NASA TECHNICAL REPORT

NASA TR R-464

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RELATIVISTIC ELECTROSTATIC SLATER INTEGRALS, $2 \leq Z \leq 106$

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION • WASHINGTON, D. C. • MARCH 1977

1. Report No. NASA TR R-464	2. Government Accession No.	3. Recipient's C
4. Title and Subtitle RELATIVISTIC ELECTROSTATIC SLATER INTEGRALS, $2 \leq Z \leq 106$.*		5. Report Date March 1977
		6. Performing Organization Code
7. Author(s) Michio Aoyagi, Mau Hsiung Chen,** Bernd Crasemann,† Keh-Ning Huang,** and Hans Mark		8. Performing Organization Report No. A-6651
		10. Work Unit No.
9. Performing Organization Name and Address NASA Ames Research Center Moffett Field, Calif. 94035		11. Contract or Grant No. NGR-003-036
		13. Type of Report and Period Covered Technical Report
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Washington, D. C. 20546		14. Sponsoring Agency Code

15. Supplementary Notes

*Also NASA TM X-73,148, June 1976.

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16. Abstract

Two-electron electrostatic interaction integrals have been computed with Dirac-Hartree-Fock-Slater wave functions. Results are listed for all orbitals in atoms with atomic numbers from $Z = 2$ through $Z = 106$.

17. Key Words (Suggested by Author(s)) Atomic physics, Atomic electron energies, Slater integrals		18. Distribution Statement Unlimited STAR Category - 72	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 352	22. Price* $10.50

*For sale by the National Technical Information Service, Springfield, Virginia 22161

RELATIVISTIC ELECTROSTATIC SLATER INTEGRALS

$2 \leq Z \leq 106$*

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INTRODUCTION

Two-electron electrostatic interaction integrals, or *Slater integrals*, are useful in the calculation of the total-atom energy (refs. 1-3). Another important use for these integrals is the calculation of the splitting into individual total-angular-momentum states (J levels). For example, in terms of Slater integrals F^k and G^k the electrostatic energies for the configuration $np_{3/2}n'p_{3/2}$ are found to be (ref. 4)

$$\left.\begin{aligned}
J = 3: &\quad F^0 + \frac{1}{25}F^2 - G^0 - \frac{1}{25}G^2 \\
J = 2: &\quad F^0 - \frac{3}{25}F^2 + G^0 - \frac{3}{25}G^2 \\
J = 1: &\quad F^0 + \frac{1}{25}F^2 - G^0 - \frac{1}{25}G^2 \\
J = 0: &\quad F^0 + \frac{1}{5}F^2 + G^0 + \frac{1}{5}G^2
\end{aligned}\right\} \qquad (1)$$

For simple configurations, the *m scheme* (ref. 5) can be used to calculate the coefficients of the Slater integrals. In this scheme, the electrostatic interaction between a pair of electrons is expressed as

$$E(A,B) = \sum_k a^k(j_A m_A; j_B m_B) F^k(A,B) - \sum_q b^q(j_A m_A; j_B m_B) G^q(A,B) \qquad (2)$$

The coefficients $a^k(j_A m_A; j_B m_B)$ and $b^q(j_A m_A; j_B m_B)$ have been tabulated by Cooper (ref. 6) for arguments through $j = 7/2$. A general computer program applicable to complex configurations has been developed by Grant (ref. 7).

Numerical values of nonrelativistic Slater integrals have been tabulated by Mann (ref. 8). Butler *et al.* (ref. 9) computed Slater radial integrals as products of powers of primes for hydrogenic radial eigenfunctions.

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*Research supported in part by the U.S. Army Research Office under Grant DAHC04-75-G-0021.

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Approximate relativistic Slater integrals were deduced from nonrelativistic results by Shirley (ref. 10), by applying the relativistic correction factor $(1 + \alpha Z^2)$. The constant α was determined by fitting calculated Auger energies to experimental values. Larkins (ref. 11) has spelled out the relationship between nonrelativistic and relativistic Slater integrals and indicated in detail how the electron-pair interaction energies may be expressed in terms of relativistic Slater integrals.

The only tabulation of relativistic Slater integrals that is presently available, as far as we know, is that by Mann and Waber (ref. 3); this is limited to selected shells of the lanthanide atoms. We therefore considered it useful to prepare a complete set of relativistic Slater integrals for all atoms. These Slater integrals were computed in the framework of extensive calculations of relativistic atomic electron binding energies (ref. 1) and neutral-atom total energies (ref. 2).

THEORY

The Slater exchange potential has an incorrect asymptotic form at large radii, going to zero exponentially rather than as r^{-1}. If the variational process is performed after making the statistical approximation for the exchange term in the total energy, an effective exchange potential equal to 2/3 of the Slater potential is found (refs. 12-14). Results are thus improved, but the wrong asymptotic form remains. The problem can be remedied by applying Latter's tail correction (ref. 15). The reasons why the local approximation fails at large radii have been noted by several authors (refs. 15-17). The local approximation involves the assumption that the electron wavelength is small compared with the distance over which the potential undergoes a substantial fractional change; this requirement is not fulfilled in atoms at large radii. Furthermore, it is assumed in the Hartree-Fock expression for the exchange energy that the antisymmetry of the wave function is more important than electrostatic repulsion in keeping the electrons apart; this is true for high electron densities but not for low densities. In view of these factors, Liberman *et al.* (refs. 17, 18) constructed a modified Kohn-Sham potential, which is essentially a Kohn-Sham potential with a tail correction, but formulated in a more consistent manner. The Liberman *et al.* version (ref. 18) of the Hartree-Fock-Slater method is used in the present computations. We take the nucleus to be a homogeneously charged sphere, with a radius $R = 1.20\times10^{-13}a^{1/3}$ cm, where a is the mass number. The nuclear radius of the most abundant isotope of each element is used in the calculations.

Total Hamiltonian and Zeroth-Order Wave Function

Using Dirac single-electron theory, the total zeroth-order Hamiltonian for a many-electron atom can be written

$$H = \sum_{i=1}^{N} \left[c\vec{\alpha}_i \cdot \vec{p}_i + \beta_i c^2 + V_n(r_i)\right] + \sum_{i<j}^{N} \frac{1}{r_{ij}} \tag{3}$$

in atomic units. In the Hartree-Fock-Slater formalism, the total wave function is taken to be a single Slater determinant of orbital functions. These orbital functions satisfy a set of Dirac equations with a local spherically symmetric potential $U(r)$:

$$\left[c\vec{\alpha} \cdot \vec{p} + \beta c^2 + U(r)\right]\psi_{n\kappa m}(r) = E_{n\kappa}\psi_{n\kappa m}(r) \tag{4}$$

We take $U(r)$ to be the potential of a finite nucleus, consisting of a uniformly charged sphere, and the electron Coulomb potential with modified Kohn-Sham exchange (refs. 12, 17, 18). The orbital wave functions have the form

$$\psi_{n\kappa m}(r) = \frac{1}{r}\begin{cases} P_{n\kappa}(r)\chi_{\kappa m} \\ iQ_{n\kappa}(r)\chi_{-\kappa m} \end{cases} \tag{5}$$

where the $\chi_{\kappa m}$ are normalized two-component spinors.

Two-Electron Electrostatic Interaction Integrals

The electric Slater integrals, describing the electrostatic interaction between pairs of electrons, are defined as follows (ref. 19):

$$F^k(A,B) = \int_0^\infty\int_0^\infty [P_A{}^2(1) + Q_A{}^2(1)][P_B{}^2(2) + Q_B{}^2(2)]\,\frac{r_<^k}{r_>^{k+1}}\,dr_1\,dr_2 \tag{6}$$

$$G^k(A,B) = \int_0^\infty\int_0^\infty [P_A(1)P_B(1) + Q_A(1)Q_B(1)][P_A(2)P_B(2) + Q_A(2)Q_B(2)]\,\frac{r_<^k}{r_>^{k+1}}\,dr_1\,dr_2 \tag{7}$$

The F^k and G^k defined in equations (6) and (7) are equivalent to F_k^E and G_k^E in reference 19. These integrals have been evaluated with the zeroth-order wave functions described in the preceding section.

EXPLANATION OF TABLE

The electrostatic Slater integrals are listed in table I by elements. Each group of values is headed by the name of the element, for example, "HELIUM," followed by the principal and orbital-angular-momentum quantum numbers and occupation number of the outermost or open shell, for example, "1S2" indicates that the outermost shell is $1s$ ($n = 1$, $\ell = 0$) and contains 2 electrons. The atomic number is also given, for example, $Z = 2$.

The first column in each group of entries identifies the states of the two electrons to which the Slater integrals in a line pertain. Here, "+" indicates $j = \ell + 1/2$ and "-" indicates $j = \ell - 1/2$. The values of the Slater integrals are identified by "Fk" or "Gk" (cf. eqs. (6) and (7)). Thus,

"(2P-,2P+) FO 7.3417586E-01 G2 3.2053702E-01"

means

$$F^0(2p_{1/2},2p_{3/2}) = 7.3417586\times10^{-1}$$

$$G^2(2p_{1/2},2p_{3/2}) = 3.2053702\times10^{-1}$$

The values of the Slater integrals are given in atomic units of energy, or hartrees, 1 a.u. = 27.2116 eV.

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TABLE 1.– ELECTROSTATIC SLATER INTEGRALS.

```
HELIUM          1S2      Z= 2

(1S+,1S+)  F0 1.0054774E+00


LITHIUM         2S1      Z= 3

(1S+,1S+)  F0 1.6074065E+00
(1S+,2S+)  F0 3.3193843E-01  G0 1.9132683E-02


BERYLLIUM        2S2     Z= 4

(1S+,1S+)  F0 2.2228963E+00
(1S+,2S+)  F0 4.8761326E-01  G0 3.1019695E-02
(2S+,2S+)  F0 3.4262567E-01

BORON           2P1      Z= 5

(1S+,1S+)  F0 2.8413258E+00
(1S+,2S+)  F0 6.5590590E-01  G0 4.4501797E-02
(1S+,2P-)  F0 5.8081951E-01  G1 4.6018576E-02
(2S+,2S+)  F0 4.6006617E-01
(2S+,2P-)  F0 4.2375102E-01  G1 2.5724699E-01

CARBON          2P2      Z= 6

(1S+,1S+)  F0 3.4593774E+00
(1S+,2S+)  F0 8.1903378E-01  G0 5.7299676E-02
(1S+,2P-)  F0 7.5265805E-01  G1 6.7735538E-02
(2S+,2S+)  F0 5.7364297E-01
(2S+,2P-)  F0 5.3871297E-01  G1 3.2581823E-01
(2P-,2P-)  F0 5.0957355E-01

NITROGEN        2P3      Z= 7

(1S+,1S+)  F0 4.0776859E+00
(1S+,2S+)  F0 9.7881159E-01  G0 6.9566160E-02
(1S+,2P-)  F0 9.2123386E-01  G1 8.9425279E-02
(1S+,2P+)  F0 9.1998704E-01  G1 8.9191293E-02
(2S+,2S+)  F0 6.8471700E-01
(2S+,2P-)  F0 6.5098934E-01  G1 3.9215069E-01
(2S+,2P+)  F0 6.5055708E-01  G1 3.9192554E-01
(2P-,2P-)  F0 6.2317883E-01
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TABLE 1.– CONTINUED

NITROGEN 2P3 Z= 7

(2P-,2P+)	F0	6.2276885E-01	G2	2.7235843E-01

OXYGEN 2P4 Z= 8

(1S+,1S+)	F0	4.6965455E+00		
(1S+,2S+)	F0	1.1363391E+00	G0	8.1463681E-02
(1S+,2P-)	F0	1.0870913E+00	G1	1.1082219E-01
(1S+,2P+)	F0	1.0850515E+00	G1	1.1042730E-01
(2S+,2S+)	F0	7.9404540E-01		
(2S+,2P-)	F0	7.6122498E-01	G1	4.5691858E-01
(2S+,2P+)	F0	7.6052536E-01	G1	4.5657076E-01
(2P-,2P-)	F0	7.3485516E-01		
(2P-,2P+)	F0	7.3417586E-01	G2	3.2053702E-01
(2P+,2P+)	F0	7.3349840E-01	F2	3.2032352E-01

FLUORINE 2P5 Z= 9

(1S+,1S+)	F0	5.3159959E+00		
(1S+,2S+)	F0	1.2934310E+00	G0	9.3277019E-02
(1S+,2P-)	F0	1.2519300E+00	G1	1.3218322E-01
(1S+,2P+)	F0	1.2488110E+00	G1	1.3156672E-01
(2S+,2S+)	F0	9.0304571E-01		
(2S+,2P-)	F0	8.7070472E-01	G1	5.2097717E-01
(2S+,2P+)	F0	8.6964009E-01	G1	5.2046292E-01
(2P-,2P-)	F0	8.4561417E-01		
(2P-,2P+)	F0	8.4456333E-01	G2	3.6816418E-01
(2P+,2P+)	F0	8.4351554E-01	F2	3.6782860E-01

NEON 2P6 Z=10

(1S+,1S+)	F0	5.9362247E+00		
(1S+,2S+)	F0	1.4495336E+00	G0	1.0492293E-01
(1S+,2P-)	F0	1.4155642E+00	G1	1.5334917E-01
(1S+,2P+)	F0	1.4110411E+00	G1	1.5244118E-01
(2S+,2S+)	F0	1.0112277E+00		
(2S+,2P-)	F0	9.7922719E-01	G1	5.8431987E-01
(2S+,2P+)	F0	9.7768889E-01	G1	5.8359292E-01
(2P-,2P-)	F0	9.5540990E-01		
(2P-,2P+)	F0	9.5387270E-01	G2	4.1522377E-01
(2P+,2P+)	F0	9.5234143E-01	F2	4.1472759E-01

TABLE 1.– CONTINUED

SODIUM 3S1 Z=11

(1S+,1S+)	F0	6.5577229E+00		
(1S+,2S+)	F0	1.6443540E+00	G0	1.2261626E-01
(1S+,2P-)	F0	1.6746772E+00	G1	1.9556496E-01
(1S+,2P+)	F0	1.6690437E+00	G1	1.9437832E-01
(1S+,3S+)	F0	3.1412459E-01	G0	3.9691567E-03
(2S+,2S+)	F0	1.1518615E+00		
(2S+,2P-)	F0	1.1473645E+00	G1	6.8755745E-01
(2S+,2P+)	F0	1.1456536E+00	G1	6.8701235E-01
(2S+,3S+)	F0	2.9933886E-01	G0	1.0120821E-02
(2P-,2P-)	F0	1.1530396E+00		
(2P-,2P+)	F0	1.1511960E+00	G2	5.1145671E-01
(2P-,3S+)	F0	2.9922018E-01	G1	1.3642176E-02
(2P+,2P+)	F0	1.1493605E+00	F2	5.1098047E-01
(2P+,3S+)	F0	2.9917162E-01	G1	1.3689264E-02

MAGNESIUM 3S2 Z=12

(1S+,1S+)	F0	7.1805467E+00		
(1S+,2S+)	F0	1.8448617E+00	G0	1.4156084E-01
(1S+,2P-)	F0	1.9257227E+00	G1	2.3876603E-01
(1S+,2P+)	F0	1.9185040E+00	G1	2.3721099E-01
(1S+,3S+)	F0	4.0877407E-01	G0	6.9052330E-03
(2S+,2S+)	F0	1.2962637E+00		
(2S+,2P-)	F0	1.3115921E+00	G1	7.8502780E-01
(2S+,2P+)	F0	1.3095343E+00	G1	7.8459870E-01
(2S+,3S+)	F0	3.8395806E-01	G0	1.6239577E-02
(2P-,2P-)	F0	1.3415822E+00		
(2P-,2P+)	F0	1.3392529E+00	G2	6.0238887E-01
(2P-,3S+)	F0	3.8463713E-01	G1	2.0927154E-02
(2P+,2P+)	F0	1.3369355E+00	F2	6.0188892E-01
(2P+,3S+)	F0	3.8455128E-01	G1	2.0977022E-02
(3S+,3S+)	F0	2.8377550E-01		

ALUMINUM 3P1 Z=13

(1S+,1S+)	F0	7.8048665E+00		
(1S+,2S+)	F0	2.0483109E+00	G0	1.6122631E-01
(1S+,2P-)	F0	2.1750300E+00	G1	2.8314914E-01
(1S+,2P+)	F0	2.1658723E+00	G1	2.8115284E-01
(1S+,3S+)	F0	5.1263140E-01	G0	1.0617619E-02
(1S+,3P-)	F0	3.7502975E-01	G1	9.9656862E-03
(2S+,2S+)	F0	1.4426465E+00		
(2S+,2P-)	F0	1.4753905E+00	G1	8.8058024E-01
(2S+,2P+)	F0	1.4728987E+00	G1	8.8028769E-01
(2S+,3S+)	F0	4.7561251E-01	G0	2.3345071E-02
(2S+,3P-)	F0	3.5306077E-01	G1	1.2592744E-02
(2P-,2P-)	F0	1.5284219E+00		
(2P-,2P+)	F0	1.5254947E+00	G2	6.9239990E-01
(2P-,3S+)	F0	4.7751025E-01	G1	2.9518272E-02

TABLE 1.– CONTINUED

ALUMINUM 3P1 Z=13

(2P-,3P-)	F0	3.5470117E-01	G0	1.6136092E-02
(2P+,2P+)	F0	1.5225847E+00	F2	6.9188135E-01
(2P+,3S+)	F0	4.7737149E-01	G1	2.9568242E-02
(2P+,3P-)	F0	3.5461728E-01	G2	1.5076295E-02
(3S+,3S+)	F0	3.5446461E-01		
(3S+,3P-)	F0	2.9173838E-01	G1	1.7578277E-01

SILICON 3P2 Z=14

(1S+,1S+)	F0	8.4306926E+00		
(1S+,2S+)	F0	2.2528975E+00	G0	1.8129066E-01
(1S+,2P-)	F0	2.4216920E+00	G1	3.2803987E-01
(1S+,2P+)	F0	2.4101967E+00	G1	3.2551987E-01
(1S+,3S+)	F0	6.0603643E-01	G0	1.4208313E-02
(1S+,3P-)	F0	4.7346548E-01	G1	1.5619720E-02
(2S+,2S+)	F0	1.5695170E+00		
(2S+,2P-)	F0	1.6378218E+00	G1	9.7405116E-01
(2S+,2P+)	F0	1.6347963E+00	G1	9.7391389E-01
(2S+,3S+)	F0	5.5770536E-01	G0	2.9672861E-02
(2S+,3P-)	F0	4.4040482E-01	G1	1.7950858E-02
(2P-,2P-)	F0	1.7125796E+00		
(2P-,2P+)	F0	1.7089245E+00	G2	7.8076937E-01
(2P-,3S+)	F0	5.6098867E-01	G1	3.7210375E-02
(2P-,3P-)	F0	4.4342460E-01	G0	2.3283118E-02
(2P+,2P+)	F0	1.7052940E+00	F2	7.8023243E-01
(2P+,3S+)	F0	5.6078899E-01	G1	3.7256660E-02
(2P+,3P-)	F0	4.4328422E-01	G2	2.2253524E-02
(3S+,3S+)	F0	4.1736215E-01		
(3S+,3P-)	F0	3.5751494E-01	G1	2.2285076E-01
(3P-,3P-)	F0	3.1632246E-01		

PHOSPHORUS 3P3 Z=15

(1S+,1S+)	F0	9.0579187E+00		
(1S+,2S+)	F0	2.4582282E+00	G0	2.0164278E-01
(1S+,2P-)	F0	2.6667691E+00	G1	3.7333060E-01
(1S+,2P+)	F0	2.6525169E+00	G1	3.7020008E-01
(1S+,3S+)	F0	6.9375833E-01	G0	1.7697403E-02
(1S+,3P-)	F0	5.6581203E-01	G1	2.1481780E-02
(1S+,3P+)	F0	5.6302347E-01	G1	2.1292148E-02
(2S+,2S+)	F0	1.7366609E+00		
(2S+,2P-)	F0	1.7994243E+00	G1	1.0661407E+00
(2S+,2P+)	F0	1.7957655E+00	G1	1.0661879E+00
(2S+,3S+)	F0	6.3477393E-01	G0	3.5488945E-02
(2S+,3P-)	F0	5.2181467E-01	G1	2.3001042E-02
(2S+,3P+)	F0	5.1960165E-01	G1	2.2966577E-02
(2P-,2P-)	F0	1.8951185E+00		
(2P-,2P+)	F0	1.8906006E+00	G2	8.6808155E-01
(2P-,3S+)	F0	6.3951066E-01	G1	4.4324746E-02

TABLE 1.– CONTINUED

PHOSPHORUS 3P3 Z=15

(2P-,3P-)	F0	5.2638773E-01	G0	3.0058432E-02		
(2P-,3P+)	F0	5.2413681E-01	G2	2.9062076E-02		
(2P+,2P+)	F0	1.8861173E+00	F2	8.6753132E-01		
(2P+,3S+)	F0	6.3924048E-01	G1	4.4365017E-02		
(2P+,3P-)	F0	5.2617927E-01	G2	2.9201670E-02		
(2P+,3P+)	F0	5.2393016E-01	F2	7.5440785E-02	G0	2.9840173E-02 G2 2.9094095E-02
(3S+,3S+)	F0	4.7617252E-01				
(3S+,3P-)	F0	4.1852851E-01	G1	2.6567259E-01		
(3S+,3P+)	F0	4.1734112E-01	G1	2.6437622E-01		
(3P-,3P-)	F0	3.7634579E-01				
(3P-,3P+)	F0	3.7546269E-01	G2	1.8296327E-01		

SULFUR 3P4 Z=16

(1S+,1S+)	F0	9.6865689E+00				
(1S+,2S+)	F0	2.6641516E+00	G0	2.2222545E-01		
(1S+,2P-)	F0	2.9109228E+00	G1	4.1894985E-01		
(1S+,2P+)	F0	2.8934669E+00	G1	4.1511661E-01		
(1S+,3S+)	F0	7.7795004E-01	G0	2.1107857E-02		
(1S+,3P-)	F0	6.5413391E-01	G1	2.7448399E-02		
(1S+,3P+)	F0	6.5039975E-01	G1	2.7173216E-02		
(2S+,2S+)	F0	1.8840156E+00				
(2S+,2P-)	F0	1.9605346E+00	G1	1.1572696E+00		
(2S+,2P+)	F0	1.9561390E+00	G1	1.1575374E+00		
(2S+,3S+)	F0	7.0879363E-01	G0	4.0956274E-02		
(2S+,3P-)	F0	5.9941764E-01	G1	2.7824343E-02		
(2S+,3P+)	F0	5.9651481E-01	G1	2.7743177E-02		
(2P-,2P-)	F0	2.0766655E+00				
(2P-,2P+)	F0	2.0711414E+00	G2	9.5467074E-01		
(2P-,3S+)	F0	7.1501003E-01	G1	5.1042244E-02		
(2P-,3P-)	F0	6.0564706E-01	G0	3.6529117E-02		
(2P-,3P+)	F0	6.0268470E-01	G2	3.5722585E-02		
(2P+,2P+)	F0	2.0656655E+00	F2	9.5411556E-01		
(2P+,3S+)	F0	7.1465849E-01	G1	5.1074488E-02		
(2P+,3P-)	F0	6.0535792E-01	G2	3.5925818E-02		
(2P+,3P+)	F0	6.0239854E-01	F2	9.1862537E-02	G0	3.6210526E-02 G2 3.5767657E-02
(3S+,3S+)	F0	5.3251591E-01				
(3S+,3P-)	F0	4.7652579E-01	G1	3.0571820E-01		
(3S+,3P+)	F0	4.7500756E-01	G1	3.0413693E-01		
(3P-,3P-)	F0	4.3373374E-01				
(3P-,3P+)	F0	4.3256076E-01	G2	2.1106100E-01		
(3P+,3P+)	F0	4.3139699E-01	F2	2.1048996E-01		

CHLORINE 3P5 Z=17

(1S+,1S+)	F0	1.0316668E+01		
(1S+,2S+)	F0	2.8706036E+00	G0	2.4300331E-01
(1S+,2P-)	F0	3.1545784E+00	G1	4.6484032E-01
(1S+,2P+)	F0	3.1334412E+00	G1	4.6020643E-01

TABLE 1.– CONTINUED

CHLORINE 3P5 Z=17

(1S+,3S+)	F0	8.5994028E-01	G0	2.4468520E-02		
(1S+,3P-)	F0	7.3979601E-01	G1	3.3481672E-02		
(1S+,3P+)	F0	7.3495505E-01	G1	3.3103559E-02		
(2S+,2S+)	F0	2.0315693E+00				
(2S+,2P-)	F0	2.1213717E+00	G1	1.2477109E+00		
(2S+,2P+)	F0	2.1161303E+00	G1	1.2482408E+00		
(2S+,3S+)	F0	7.8093476E-01	G0	4.6195666E-02		
(2S+,3P-)	F0	6.7454482E-01	G1	3.2494759E-02		
(2S+,3P+)	F0	6.7084208E-01	G1	3.2350602E-02		
(2P-,2P-)	F0	2.2576112E+00				
(2P-,2P+)	F0	2.2509281E+00	G2	1.0407404E+00		
(2P-,3S+)	F0	7.8864186E-01	G1	5.7497282E-02		
(2P-,3P-)	F0	6.8249737E-01	G0	4.2776502E-02		
(2P-,3P+)	F0	6.7870767E-01	G2	4.2192241E-02		
(2P+,2P+)	F0	2.2443109E+00	F2	1.0401913E+00		
(2P+,3S+)	F0	7.8819680E-01	G1	5.7519502E-02		
(2P+,3P-)	F0	6.8211373E-01	G2	4.2472458E-02		
(2P+,3P+)	F0	6.7832864E-01	F2	1.0784889E-01	G0	4.2337384E-02 G2 4.2253104E-02
(3S+,3S+)	F0	5.8734844E-01				
(3S+,3P-)	F0	5.3259665E-01	G1	3.4391955E-01		
(3S+,3P+)	F0	5.3069970E-01	G1	3.4202928E-01		
(3P-,3P-)	F0	4.8937004E-01				
(3P-,3P+)	F0	4.8786089E-01	G2	2.3814982E-01		
(3P+,3P+)	F0	4.8636501E-01	F2	2.3741824E-01		

ARGON 3P6 Z=18

(1S+,1S+)	F0	1.0948255E+01		
(1S+,2S+)	F0	3.0775757E+00	G0	2.6395791E-01
(1S+,2P-)	F0	3.3980433E+00	G1	5.1096285E-01
(1S+,2P+)	F0	3.3727148E+00	G1	5.0542432E-01
(1S+,3S+)	F0	9.4040997E-01	G0	2.7792889E-02
(1S+,3P-)	F0	8.2377604E-01	G1	3.9577836E-02
(1S+,3P+)	F0	8.1764487E-01	G1	3.9077657E-02
(2S+,2S+)	F0	2.1793375E+00		
(2S+,2P-)	F0	2.2820952E+00	G1	1.3376526E+00
(2S+,2P+)	F0	2.2758922E+00	G1	1.3384908E+00
(2S+,3S+)	F0	8.5179370E-01	G0	5.1272171E-02
(2S+,3P-)	F0	7.4810333E-01	G1	3.7076510E-02
(2S+,3P+)	F0	7.4347349E-01	G1	3.6851541E-02
(2P-,2P-)	F0	2.4382257E+00		
(2P-,2P+)	F0	2.4302203E+00	G2	1.1264246E+00
(2P-,3S+)	F0	8.6099448E-01	G1	6.3759770E-02
(2P-,3P-)	F0	7.5782911E-01	G0	4.8880281E-02
(2P-,3P+)	F0	7.5307846E-01	G2	4.8528801E-02
(2P+,2P+)	F0	2.4223034E+00	F2	1.1258949E+00
(2P+,3S+)	F0	8.6044264E-01	G1	6.3769881E-02
(2P+,3P-)	F0	7.5733568E-01	G2	4.8900896E-02
(2P+,3P+)	F0	7.5259186E-01	F2	1.2353923E-01 G0 4.8298286E-02 G2 4.8608490E-02
(3S+,3S+)	F0	6.4115019E-01		
(3S+,3P-)	F0	5.8741160E-01	G1	3.8090171E-01
(3S+,3P+)	F0	5.8507859E-01	G1	3.7867073E-01

TABLE 1.-- CONTINUED

ARGON 3P6 Z=18

(3P-,3P-)	F0	5.4388934E-01		
(3P-,3P+)	F0	5.4198840E-01	G2	2.6457071E-01
(3P+,3P+)	F0	5.4010660E-01	F2	2.6365365E-01

POTASSIUM 4S1 Z=19

(1S+,1S+)	F0	1.1581429E+01		
(1S+,2S+)	F0	3.2859090E+00	G0	2.8523577E-01
(1S+,2P-)	F0	3.6427854E+00	G1	5.5772357E-01
(1S+,2P+)	F0	3.6127258E+00	G1	5.5117204E-01
(1S+,3S+)	F0	1.0398772E+00	G0	3.2442758E-02
(1S+,3P-)	F0	9.5160392E-01	G1	5.0486001E-02
(1S+,3P+)	F0	9.4476099E-01	G1	4.9906363E-02
(1S+,4S+)	F0	2.5086836E-01	G0	1.6588646E-03
(2S+,2S+)	F0	2.3279954E+00		
(2S+,2P-)	F0	2.4436497E+00	G1	1.4276253E+00
(2S+,2P+)	F0	2.4363663E+00	G1	1.4288294E+00
(2S+,3S+)	F0	9.3760935E-01	G0	5.8493890E-02
(2S+,3P-)	F0	8.5673063E-01	G1	4.5749837E-02
(2S+,3P+)	F0	8.5177150E-01	G1	4.5504031E-02
(2S+,4S+)	F0	2.4565422E-01	G0	2.7805797E-03
(2P-,2P-)	F0	2.6198022E+00		
(2P-,2P+)	F0	2.6103028E+00	G2	1.2124279E+00
(2P-,3S+)	F0	9.4877455E-01	G1	7.2732906E-02
(2P-,3P-)	F0	8.6946450E-01	G0	6.0297151E-02
(2P-,3P+)	F0	8.6435934E-01	G2	6.0429730E-02
(2P-,4S+)	F0	2.4621934E-01	G1	3.5216577E-03
(2P+,2P+)	F0	2.6009204E+00	F2	1.2119386E+00
(2P+,3S+)	F0	9.4807339E-01	G1	7.2726198E-02
(2P+,3P-)	F0	8.6878155E-01	G2	6.0803418E-02
(2P+,3P+)	F0	8.6368544E-01	F2	1.5141188E-01 G0 5.9621518E-02 G2 6.0541097E-02
(2P+,4S+)	F0	2.4618383E-01	G1	3.5191584E-03
(3S+,3S+)	F0	7.0884802E-01		
(3S+,3P-)	F0	6.6692118E-01	G1	4.3854229E-01
(3S+,3P+)	F0	6.6454949E-01	G1	4.3648417E-01
(3S+,4S+)	F0	2.3524799E-01	G0	7.7857472E-03
(3P-,3P-)	F0	6.3113388E-01		
(3P-,3P+)	F0	6.2909936E-01	G2	3.1161858E-01
(3P-,4S+)	F0	2.3351199E-01	G1	1.2328915E-02
(3P+,3P+)	F0	6.2708592E-01	F2	3.1069135E-01
(3P+,4S+)	F0	2.3341061E-01	G1	1.2495873E-02

CALCIUM 4S2 Z=20

(1S+,1S+)	F0	1.2216241E+01		
(1S+,2S+)	F0	3.4952852E+00	G0	3.0677104E-01
(1S+,2P-)	F0	3.8884157E+00	G1	6.0492170E-01
(1S+,2P+)	F0	3.8530479E+00	G1	5.9724218E-01
(1S+,3S+)	F0	1.1407110E+00	G0	3.7355408E-02

TABLE 1.– CONTINUED

CALCIUM 4S2 Z=20

(1S+,3P-)	F0	1.0723841E+00	G1	6.1489531E-02		
(1S+,3P+)	F0	1.0643986E+00	G1	6.0800985E-02		
(1S+,4S+)	F0	3.1512164E-01	G0	2.7875331E-03		
(2S+,2S+)	F0	2.4772951E+00				
(2S+,2P-)	F0	2.6057582E+00	G1	1.5175332E+00		
(2S+,2P+)	F0	2.5972661E+00	G1	1.5191627E+00		
(2S+,3S+)	F0	1.0241565E+00	G0	6.5965517E-02		
(2S+,3P-)	F0	9.5856981E-01	G1	5.4152789E-02		
(2S+,3P+)	F0	9.5295397E-01	G1	5.3848437E-02		
(2S+,4S+)	F0	3.0645046E-01	G0	4.5294687E-03		
(2P-,2P-)	F0	2.8019801E+00				
(2P-,2P+)	F0	2.7908020E+00	G2	1.2985307E+00		
(2P-,3S+)	F0	1.0374154E+00	G1	8.2030180E-02		
(2P-,3P-)	F0	9.7440639E-01	G0	7.1312879E-02		
(2P-,3P+)	F0	9.6860971E-01	G2	7.1995448E-02		
(2P-,4S+)	F0	3.0742852E-01	G1	5.7554749E-03		
(2P+,2P+)	F0	2.7797768E+00	F2	1.2981037E+00		
(2P+,3S+)	F0	1.0365386E+00	G1	8.2001747E-02		
(2P+,3P-)	F0	9.7350528E-01	G2	7.2397750E-02		
(2P+,3P+)	F0	9.6772084E-01	F2	1.7819599E-01	G0 7.0498506E-02	G2 7.2143628E-02
(2P+,4S+)	F0	3.0736379E-01	G1	5.7493078E-03		
(3S+,3S+)	F0	7.7694605E-01				
(3S+,3P-)	F0	7.4211501E-01	G1	4.9086904E-01		
(3S+,3P+)	F0	7.3949726E-01	G1	4.8880605E-01		
(3S+,4S+)	F0	2.9008714E-01	G0	1.1767687E-02		
(3P-,3P-)	F0	7.1141635E-01				
(3P-,3P+)	F0	7.0908699E-01	G2	3.5356182E-01		
(3P-,4S+)	F0	2.8804111E-01	G1	1.7420783E-02		
(3P+,3P+)	F0	7.0678309E-01	F2	3.5253083E-01		
(3P+,4S+)	F0	2.8788309E-01	G1	1.7605512E-02		
(4S+,4S+)	F0	2.2138554E-01				

SCANDIUM 3D1 Z=21

(1S+,1S+)	F0	1.2853290E+01		
(1S+,2S+)	F0	3.7062942E+00	G0	3.2866916E-01
(1S+,2P-)	F0	4.1362148E+00	G1	6.5302390E-01
(1S+,2P+)	F0	4.0948937E+00	G1	6.4408738E-01
(1S+,3S+)	F0	1.2286145E+00	G0	4.1411092E-02
(1S+,3P-)	F0	1.1692471E+00	G1	6.9920696E-02
(1S+,3P+)	F0	1.1596883E+00	G1	6.9084416E-02
(1S+,3D-)	F0	7.5244035E-01	G2	5.6636884E-04
(1S+,4S+)	F0	3.4076828E-01	G0	3.1214029E-03
(2S+,2S+)	F0	2.6275728E+00		
(2S+,2P-)	F0	2.7689878E+00	G1	1.6075145E+00
(2S+,2P+)	F0	2.7591425E+00	G1	1.6096358E+00
(2S+,3S+)	F0	1.1005941E+00	G0	7.1907111E-02
(2S+,3P-)	F0	1.0415214E+00	G1	6.0190753E-02
(2S+,3P+)	F0	1.0348863E+00	G1	5.9774045E-02
(2S+,3D-)	F0	7.4398826E-01	G2	6.2009786E-02
(2S+,4S+)	F0	3.3114657E-01	G0	4.9742393E-03
(2P-,2P-)	F0	2.9856739E+00		

TABLE 1.– CONTINUED

SCANDIUM 3D1 Z=21

(2P-,2P+)	F0 2.9726067E+00	G2 1.3851074E+00				
(2P-,3S+)	F0 1.1156859E+00	G1 8.9381732E-02				
(2P-,3P-)	F0 1.0598670E+00	G0 7.9225101E-02				
(2P-,3P+)	F0 1.0530039E+00	G2 8.0318165E-02				
(2P-,3D-)	F0 7.4578834E-01	G1 6.9410216E-02				
(2P-,4S+)	F0 3.3227078E-01	G1 6.3254525E-03				
(2P+,2P+)	F0 2.9597369E+00	F2 1.3847644E+00				
(2P+,3S+)	F0 1.1146317E+00	G1 8.9329360E-02				
(2P+,3P-)	F0 1.0587577E+00	G2 8.0803276E-02				
(2P+,3P+)	F0 1.0519113E+00	F2 1.9810724E-01	G0 7.8223464E-02	G2 8.0503374E-02		
(2P+,3D-)	F0 7.4562885E-01	F2 1.0784913E-01	G1 7.0484696E-02	G3 3.9804562E-02		
(2P+,4S+)	F0 3.3219217E-01	G1 6.3168063E-03				
(3S+,3S+)	F0 8.3588353E-01					
(3S+,3P-)	F0 8.0371162E-01	G1 5.3205766E-01				
(3S+,3P+)	F0 8.0065784E-01	G1 5.2979969E-01				
(3S+,3D-)	F0 6.2493695E-01	G2 2.4512078E-01				
(3S+,4S+)	F0 3.1343201E-01	G0 1.2714479E-02				
(3P-,3P-)	F0 7.7494929E-01					
(3P-,3P+)	F0 7.7218040E-01	G2 3.8524759E-01				
(3P-,3D-)	F0 6.0781629E-01	G1 3.3293190E-01				
(3P-,4S+)	F0 3.1153102E-01	G1 1.8441240E-02				
(3P+,3P+)	F0 7.6944471E-01	F2 3.8403778E-01				
(3P+,3D-)	F0 6.0622199E-01	F2 2.6875803E-01	G1 3.3265220E-01	G3 1.9694033E-01		
(3P+,4S+)	F0 3.1134543E-01	G1 1.8635992E-02				
(3D-,4S+)	F0 2.9297193E-01	G2 5.8941811E-02				
(4S+,4S+)	F0 2.3895027E-01					

TITANIUM 3D2 Z=22

(1S+,1S+)	F0 1.3492260E+01					
(1S+,2S+)	F0 3.9179795E+00	G0 3.5074256E-01				
(1S+,2P-)	F0 4.3847075E+00	G1 7.0141215E-01				
(1S+,2P+)	F0 4.3367627E+00	G1 6.9108538E-01				
(1S+,3S+)	F0 1.3128903E+00	G0 4.5226163E-02				
(1S+,3P-)	F0 1.2604083E+00	G1 7.7733016E-02				
(1S+,3P+)	F0 1.2490453E+00	G1 7.6727857E-02				
(1S+,3D-)	F0 8.5947822E-01	G2 7.7928568E-04				
(1S+,4S+)	F0 3.6089242E-01	G0 3.3218535E-03				
(2S+,2S+)	F0 2.7781615E+00					
(2S+,2P-)	F0 2.9324839E+00	G1 1.6972863E+00				
(2S+,2P+)	F0 2.9211341E+00	G1 1.6999649E+00				
(2S+,3S+)	F0 1.1742206E+00	G0 7.7416852E-02				
(2S+,3P-)	F0 1.1200134E+00	G1 6.5664830E-02				
(2S+,3P+)	F0 1.1121933E+00	G1 6.5109045E-02				
(2S+,3D-)	F0 8.4835203E-01	G2 7.9980579E-02				
(2S+,4S+)	F0 3.5073493E-01	G0 5.2129734E-03				
(2P-,2P-)	F0 3.1696983E+00					
(2P-,2P+)	F0 3.1545238E+00	G2 1.4715506E+00				
(2P-,3S+)	F0 1.1910702E+00	G1 9.6174167E-02				
(2P-,3P-)	F0 1.1407357E+00	G0 8.6381197E-02				
(2P-,3P+)	F0 1.1326323E+00	G2 8.7822280E-02				
(2P-,3D-)	F0 8.5085708E-01	G1 8.8571831E-02				

TABLE 1.– CONTINUED

TITANIUM 3D2 Z=22

(2P-,4S+)	F0 3.5195796E-01	G1 6.6297275E-03				
(2P+,2P+)	F0 3.1396014E+00	F2 1.4713133E+00				
(2P+,3S+)	F0 1.1898236E+00	G1 9.6095271E-02				
(2P+,3P-)	F0 1.1394023E+00	G2 8.8410380E-02				
(2P+,3P+)	F0 1.1313210E+00	F2 2.1631649E-01	G0 8.5164609E-02	G2 8.8048436E-02		
(2P+,3D-)	F0 8.5063242E-01	F2 1.3303494E-01	G1 9.0331507E-02	G3 5.0916943E-02		
(2P+,4S+)	F0 3.5186736E-01	G1 6.6187790E-03				
(3S+,3S+)	F0 8.9238399E-01					
(3S+,3P-)	F0 8.6206232E-01	G1 5.7056780E-01				
(3S+,3P+)	F0 8.5849785E-01	G1 5.6816935E-01				
(3S+,3D-)	F0 7.0126662E-01	G2 2.8448028E-01				
(3S+,4S+)	F0 3.3233513E-01	G0 1.3246501E-02				
(3P-,3P-)	F0 8.3469975E-01					
(3P-,3P+)	F0 8.3142200E-01	G2 4.1471366E-01				
(3P-,3D-)	F0 6.8316761E-01	G1 3.8267179E-01				
(3P-,4S+)	F0 3.3059111E-01	G1 1.8969944E-02				
(3P+,3P+)	F0 8.2818747E-01	F2 4.1329536E-01				
(3P+,3D-)	F0 6.8107387E-01	F2 3.0772435E-01	G1 3.8199750E-01	G3 2.2733700E-01		
(3P+,4S+)	F0 3.3037997E-01	G1 1.9177408E-02				
(3D-,3D-)	F0 5.8064764E-01	F2 2.5581128E-01				
(3D-,4S+)	F0 3.1526970E-01	G2 5.5057063E-02				
(4S+,4S+)	F0 2.5310135E-01					

VANADIUM 3D3 Z=23

(1S+,1S+)	F0 1.4133163E+01					
(1S+,2S+)	F0 4.1302829E+00	G0 3.7297567E-01				
(1S+,2P-)	F0 4.6338184E+00	G1 7.4999413E-01				
(1S+,2P+)	F0 4.5785444E+00	G1 7.3813770E-01				
(1S+,3S+)	F0 1.3951206E+00	G0 4.8905509E-02				
(1S+,3P-)	F0 1.3485779E+00	G1 8.5210623E-02				
(1S+,3P+)	F0 1.3351872E+00	G1 8.4015970E-02				
(1S+,3D-)	F0 9.5406359E-01	G2 9.9576708E-04				
(1S+,4S+)	F0 3.7851514E-01	G0 3.4717850E-03				
(2S+,2S+)	F0 2.9290320E+00					
(2S+,2P-)	F0 3.0962186E+00	G1 1.7868870E+00				
(2S+,2P+)	F0 3.0832050E+00	G1 1.7901919E+00				
(2S+,3S+)	F0 1.2462705E+00	G0 8.2683587E-02				
(2S+,3P-)	F0 1.1961779E+00	G1 7.0846819E-02				
(2S+,3P+)	F0 1.1870189E+00	G1 7.0127139E-02				
(2S+,3D-)	F0 9.4037868E-01	G2 9.6718760E-02				
(2S+,4S+)	F0 3.6797528E-01	G0 5.3788387E-03				
(2P-,2P-)	F0 3.3540034E+00					
(2P-,2P+)	F0 3.3364915E+00	G2 1.5578312E+00				
(2P-,3S+)	F0 1.2648328E+00	G1 1.0264476E-01				
(2P-,3P-)	F0 1.2192084E+00	G0 9.3138176E-02				
(2P-,3P+)	F0 1.2097027E+00	G2 9.4873247E-02				
(2P-,3D-)	F0 9.4360265E-01	G1 1.0615149E-01				
(2P-,4S+)	F0 3.6927756E-01	G1 6.8389638E-03				
(2P+,2P+)	F0 3.3192984E+00	F2 1.5577238E+00				
(2P+,3S+)	F0 1.2633760E+00	G1 1.0253656E-01				
(2P+,3P-)	F0 1.2176302E+00	G2 9.5581790E-02				

TABLE 1.– CONTINUED

VANADIUM 3D3 Z=23

(2P+,3P+)	F0	1.2081536E+00	F2	2.3359170E-01	G0	9.1679432E-02	G2	9.5144897E-02
(2P+,3D-)	F0	9.4330679E-01	F2	1.5562929E-01	G1	1.0801692E-01	G3	6.1159114E-02
(2P+,4S+)	F0	3.6917520E-01	G1	6.8257291E-03				
(3S+,3S+)	F0	9.4752942E-01						
(3S+,3P-)	F0	9.1869353E-01	G1	6.0792431E-01				
(3S+,3P+)	F0	9.1455224E-01	G1	6.0515362E-01				
(3S+,3D-)	F0	7.6814609E-01	G2	3.1717703E-01				
(3S+,4S+)	F0	3.4910548E-01	G0	1.3637781E-02				
(3P-,3P-)	F0	8.9250445E-01						
(3P-,3P+)	F0	8.8865269E-01	G2	4.4304938E-01				
(3P-,3D-)	F0	7.4963205E-01	G1	4.2442003E-01				
(3P-,4S+)	F0	3.4750328E-01	G1	1.9347000E-02				
(3P+,3P+)	F0	8.8485666E-01	F2	4.4139811E-01				
(3P+,3D-)	F0	7.4700569E-01	F2	3.4086951E-01	G1	4.2332255E-01	G3	2.5283526E-01
(3P+,4S+)	F0	3.4726595E-01	G1	1.9568792E-02				
(3D-,3D-)	F0	6.4877228E-01	F2	2.8793111E-01				
(3D-,4S+)	F0	3.3406830E-01	G2	5.2444325E-02				
(4S+,4S+)	F0	2.6533748E-01						

CHROMIUM 3D5 4S1 Z=24

(1S+,1S+)	F0	1.4776316E+01						
(1S+,2S+)	F0	4.3436685E+00	G0	3.9545060E-01				
(1S+,2P-)	F0	4.8844232E+00	G1	7.9907175E-01				
(1S+,2P+)	F0	4.8210579E+00	G1	7.8553569E-01				
(1S+,3S+)	F0	1.4694698E+00	G0	5.1986200E-02				
(1S+,3P-)	F0	1.4238640E+00	G1	9.0993849E-02				
(1S+,3P+)	F0	1.4079732E+00	G1	8.9558664E-02				
(1S+,3D-)	F0	9.6060624E-01	G2	1.0455083E-03				
(1S+,3D+)	F0	9.5457274E-01	G2	1.0411121E-03				
(1S+,4S+)	F0	3.6846022E-01	G0	2.9891076E-03				
(2S+,2S+)	F0	3.0804990E+00						
(2S+,2P-)	F0	3.2606505E+00	G1	1.8764799E+00				
(2S+,2P+)	F0	3.2458013E+00	G1	1.8804881E+00				
(2S+,3S+)	F0	1.3123003E+00	G0	8.6993851E-02				
(2S+,3P-)	F0	1.2625011E+00	G1	7.4680314E-02				
(2S+,3P+)	F0	1.2516156E+00	G1	7.3744211E-02				
(2S+,3D-)	F0	9.4669090E-01	G2	9.7218979E-02				
(2S+,3D+)	F0	9.4098268E-01	G2	9.5923310E-02				
(2S+,4S+)	F0	3.5944398E-01	G0	4.5993824E-03				
(2P-,2P-)	F0	3.5392717E+00						
(2P-,2P+)	F0	3.5191718E+00	G2	1.6442643E+00				
(2P-,3S+)	F0	1.3323591E+00	G1	1.0788818E-01				
(2P-,3P-)	F0	1.2874080E+00	G0	9.8132665E-02				
(2P-,3P+)	F0	1.2760963E+00	G2	9.9986836E-02				
(2P-,3D-)	F0	9.5009796E-01	G1	1.0587397E-01				
(2P-,3D+)	F0	9.4431469E-01	G3	5.9003844E-02				
(2P-,4S+)	F0	3.6058445E-01	G1	5.8383254E-03				
(2P+,2P+)	F0	3.4994715E+00	F2	1.6443135E+00				
(2P+,3S+)	F0	1.3306886E+00	G1	1.0774980E-01				
(2P+,3P-)	F0	1.2855909E+00	G2	1.0087729E-01				
(2P+,3P+)	F0	1.2743173E+00	F2	2.4632165E-01	G0	9.6377543E-02	G2	1.0030453E-01

TABLE 1.– CONTINUED

CHROMIUM 3D5 4S1 Z=24

(2P+,3D-)	F0 9.4977564E-01	F2 1.5445385E-01	G1 1.0786845E-01	G3 6.1111674E-02
(2P+,3D+)	F0 9.4399883E-01	F2 1.5253532E-01	G1 1.0658435E-01	G3 6.0386336E-02
(2P+,4S+)	F0 3.6048932E-01	G1 5.8255943E-03		
(3S+,3S+)	F0 9.9715770E-01			
(3S+,3P-)	F0 9.6791885E-01	G1 6.3953694E-01		
(3S+,3P+)	F0 9.6301147E-01	G1 6.3631384E-01		
(3S+,3D-)	F0 7.7544369E-01	G2 3.1035013E-01		
(3S+,3D+)	F0 7.7199495E-01	G2 3.0828098E-01		
(3S+,4S+)	F0 3.4327581E-01	G0 1.1942073E-02		
(3P-,3P-)	F0 9.4129506E-01			
(3P-,3P+)	F0 9.3670788E-01	G2 4.6583365E-01		
(3P-,3D-)	F0 7.5789528E-01	G1 4.1750504E-01		
(3P-,3D+)	F0 7.5460653E-01	G3 2.4658817E-01		
(3P-,4S+)	F0 3.4194476E-01	G1 1.6955232E-02		
(3P+,3P+)	F0 9.3219443E-01	F2 4.6386446E-01		
(3P+,3D-)	F0 7.5498398E-01	F2 3.3666193E-01	G1 4.1542902E-01	G3 2.4769414E-01
(3P+,3D+)	F0 7.5172436E-01	F2 3.3471839E-01	G1 4.1397895E-01	G3 2.4619106E-01
(3P+,4S+)	F0 3.4171454E-01	G1 1.7186533E-02		
(3D-,3D-)	F0 6.3444637E-01	F2 2.7327875E-01		
(3D-,3D+)	F0 6.3209680E-01	F2 2.7210603E-01	G2 2.7197025E-01	G4 1.6579682E-01
(3D-,4S+)	F0 3.2529583E-01	G2 5.5130159E-02		
(3D+,4S+)	F0 3.2487787E-01	G2 5.5728728E-02		

MANGANESE 3D5 Z=25

(1S+,1S+)	F0 1.5420901E+01			
(1S+,2S+)	F0 4.5568640E+00	G0 4.1792793E-01		
(1S+,2P-)	F0 5.1342271E+00	G1 8.4766370E-01		
(1S+,2P+)	F0 5.0620256E+00	G1 8.3230345E-01		
(1S+,3S+)	F0 1.5563190E+00	G0 5.6053739E-02		
(1S+,3P-)	F0 1.5203870E+00	G1 9.9641106E-02		
(1S+,3P+)	F0 1.5022351E+00	G1 9.8002083E-02		
(1S+,3D-)	F0 1.1250176E+00	G2 1.4433173E-03		
(1S+,3D+)	F0 1.1193846E+00	G2 1.4414675E-03		
(1S+,4S+)	F0 4.1037916E-01	G0 3.6829765E-03		
(2S+,2S+)	F0 3.2317391E+00			
(2S+,2P-)	F0 3.4246131E+00	G1 1.9657856E+00		
(2S+,2P+)	F0 3.4077597E+00	G1 1.9705676E+00		
(2S+,3S+)	F0 1.3878690E+00	G0 9.2826133E-02		
(2S+,3P-)	F0 1.3449848E+00	G1 8.0778317E-02		
(2S+,3P+)	F0 1.3326719E+00	G1 7.9654290E-02		
(2S+,3D-)	F0 1.1063858E+00	G2 1.2814767E-01		
(2S+,3D+)	F0 1.1011696E+00	G2 1.2670406E-01		
(2S+,4S+)	F0 3.9933574E-01	G0 5.5899248E-03		
(2P-,2P-)	F0 3.7237423E+00			
(2P-,2P+)	F0 3.7008138E+00	G2 1.7300208E+00		
(2P-,3S+)	F0 1.4097834E+00	G1 1.1504778E-01		
(2P-,3P-)	F0 1.3725391E+00	G0 1.0604804E-01		
(2P-,3P+)	F0 1.3597267E+00	G2 1.0822225E-01		
(2P-,3D-)	F0 1.1110932E+00	G1 1.3864862E-01		
(2P-,3D+)	F0 1.1057792E+00	G3 7.7491661E-02		
(2P-,4S+)	F0 4.[illegible]75907E-01	G1 7.0992088E-03		

TABLE 1.– CONTINUED

MANGANESE 3D5 Z=25

(2P+,2P+)	F0	3.6783811E+00	F2	1.7302558E+00				
(2P+,3S+)	F0	1.4078452E+00	G1	1.1487185E-01				
(2P+,3P-)	F0	1.3703986E+00	G2	1.0922387E-01				
(2P+,3P+)	F0	1.3576342E+00	F2	2.6660396E-01	G0	1.0401834E-01	G2	1.3850011E-01
(2P+,3D-)	F0	1.1106321E+00	F2	1.9671829E-01	G1	1.4142033E-01	G3	8.0213016E-02
(2P+,3D+)	F0	1.1053267E+00	F2	1.9463958E-01	G1	1.4005096E-01	G3	7.9439553E-02
(2P+,4S+)	F0	4.0063296E-01	G1	7.0813617E-03				
(3S+,3S+)	F0	1.0556654E+00						
(3S+,3P-)	F0	1.0292927E+00	G1	6.8031149E-01				
(3S+,3P+)	F0	1.0237959E+00	G1	6.7691150E-01				
(3S+,3D-)	F0	8.8839907E-01	G2	3.7265132E-01				
(3S+,3D+)	F0	8.8563588E-01	G2	3.7109992E-01				
(3S+,4S+)	F0	3.7987779E-01	G0	1.4192186E-02				
(3P-,3P-)	F0	1.0051720E+00						
(3P-,3P+)	F0	9.9996696E-01	G2	4.9797064E-01				
(3P-,3D-)	F0	8.6991601E-01	G1	4.9643780E-01				
(3P-,3D+)	F0	8.6727758E-01	G3	2.9644180E-01				
(3P-,4S+)	F0	3.7852183E-01	G1	1.9865703E-02				
(3P+,3P+)	F0	9.9485182E-01	F2	4.9577473E-01				
(3P+,3D-)	F0	8.6607646E-01	F2	3.9874152E-01	G1	4.9437834E-01	G3	2.9665751E-01
(3P+,3D+)	F0	8.6346832E-01	F2	3.9728208E-01	G1	4.9267005E-01	G3	2.9558366E-01
(3P+,4S+)	F0	3.7822934E-01	G1	2.0121221E-02				
(3D-,3D-)	F0	7.6970072E-01	F2	3.4400299E-01				
(3D-,3D+)	F0	7.6763742E-01	F2	3.4300002E-01	G2	3.4278347E-01	G4	2.1108317E-01
(3D-,4S+)	F0	3.6715544E-01	G2	4.9552536E-02				
(3D+,4S+)	F0	3.6689451E-01	G2	5.0070461E-02				
(4S+,4S+)	F0	2.8788872E-01						

IRON 3D6 Z=26

(1S+,1S+)	F0	1.6067860E+01		
(1S+,2S+)	F0	4.7712069E+00	G0	4.4065612E-01
(1S+,2P-)	F0	5.3856180E+00	G1	8.9669623E-01
(1S+,2P+)	F0	5.3037423E+00	G1	8.7934911E-01
(1S+,3S+)	F0	1.6359445E+00	G0	5.9568495E-02
(1S+,3P-)	F0	1.6049792E+00	G1	1.0669180E-01
(1S+,3P+)	F0	1.5840702E+00	G1	1.0479558E-01
(1S+,3D-)	F0	1.2059456E+00	G2	1.6752494E-03
(1S+,3D+)	F0	1.1992382E+00	G2	1.6726794E-03
(1S+,4S+)	F0	4.2524078E-01	G0	3.7663672E-03
(2S+,2S+)	F0	3.3836297E+00		
(2S+,2P-)	F0	3.5893451E+00	G1	2.0551678E+00
(2S+,2P+)	F0	3.5702984E+00	G1	2.0608084E+00
(2S+,3S+)	F0	1.4579239E+00	G0	9.7779221E-02
(2S+,3P-)	F0	1.4183653E+00	G1	8.5620065E-02
(2S+,3P+)	F0	1.4042235E+00	G1	8.4253498E-02
(2S+,3D-)	F0	1.1848746E+00	G2	1.4331011E-01
(2S+,3D+)	F0	1.1786841E+00	G2	1.4154090E-01
(2S+,4S+)	F0	4.1400814E-01	G0	5.6679723E-03
(2P-,2P-)	F0	3.9092524E+00		
(2P-,2P+)	F0	3.8832190E+00	G2	1.8159499E+00
(2P-,3S+)	F0	1.4814912E+00	G1	1.2107658E-01

TABLE 1.– CONTINUED

IRON 3D6 Z=26

(2P-,3P-)	F0 1.4481569E+00	G0 1.1232660E-01				
(2P-,3P+)	F0 1.4334250E+00	G2 1.1464743E-01				
(2P-,3D-)	F0 1.1903476E+00	G1 1.5415600E-01				
(2P-,3D+)	F0 1.1840330E+00	G3 8.6091493E-02				
(2P-,4S+)	F0 4.1548133E-01	G1 7.1926877E-03				
(2P+,2P+)	F0 3.8577958E+00	F2 1.8164028E+00				
(2P+,3S+)	F0 1.4792790E+00	G1 1.2086191E-01				
(2P+,3P-)	F0 1.4456951E+00	G2 1.1582308E-01				
(2P+,3P+)	F0 1.4310237E+00	F2 2.8260767E-01	G0 1.0996431E-01	G2 1.1508652E-01		
(2P+,3D-)	F0 1.1897903E+00	F2 2.1619064E-01	G1 1.5743992E-01	G3 8.9361121E-02		
(2P+,3D+)	F0 1.1834872E+00	F2 2.1367439E-01	G1 1.5577071E-01	G3 8.8417502E-02		
(2P+,4S+)	F0 4.1534278E-01	G1 7.1724573E-03				
(3S+,3S+)	F0 1.1090785E+00					
(3S+,3P-)	F0 1.0837941E+00	G1 7.1585165E-01				
(3S+,3P+)	F0 1.0775136E+00	G1 7.1209466E-01				
(3S+,3D-)	F0 9.4518403E-01	G2 3.9786453E-01				
(3S+,3D+)	F0 9.4195529E-01	G2 3.9610094E-01				
(3S+,4S+)	F0 3.9432967E-01	G0 1.4416254E-02				
(3P-,3P-)	F0 1.0606396E+00					
(3P-,3P+)	F0 1.0546487E+00	G2 5.2488545E-01				
(3P-,3D-)	F0 9.2695153E-01	G1 5.2965077E-01				
(3P-,3D+)	F0 9.2385473E-01	G3 3.1666631E-01				
(3P-,4S+)	F0 3.9307894E-01	G1 2.0076323E-02				
(3P+,3P+)	F0 1.0487704E+00	F2 5.2237719E-01				
(3P+,3D-)	F0 9.2241432E-01	F2 4.2558950E-01	G1 5.2703783E-01	G3 3.1677263E-01		
(3P+,3D+)	F0 9.1935681E-01	F2 4.2390320E-01	G1 5.2510020E-01	G3 3.1554730E-01		
(3P+,4S+)	F0 3.9275684E-01	G1 2.0350827E-02				
(3D-,3D-)	F0 8.2640763E-01	F2 3.7005475E-01				
(3D-,3D+)	F0 8.2393894E-01	F2 3.6884913E-01	G2 3.6858223E-01	G4 2.2710111E-01		
(3D-,4S+)	F0 3.8235971E-01	G2 4.8681650E-02				
(3D+,3D+)	F0 8.2148708E-01	F2 3.6765843E-01	F4 2.2650516E-01			
(3D+,4S+)	F0 3.8207108E-01	G2 4.9269232E-02				
(4S+,4S+)	F0 2.9838797E-01					

COBALT 3D7 Z=27

(1S+,1S+)	F0 1.6716972E+01		
(1S+,2S+)	F0 4.9863136E+00	G0 4.6356334E-01	
(1S+,2P-)	F0 5.6379160E+00	G1 9.4585745E-01	
(1S+,2P+)	F0 5.5455033E+00	G1 9.2635705E-01	
(1S+,3S+)	F0 1.7151729E+00	G0 6.3061396E-02	
(1S+,3P-)	F0 1.6890477E+00	G1 1.1366706E-01	
(1S+,3P+)	F0 1.6651144E+00	G1 1.1148887E-01	
(1S+,3D-)	F0 1.2849229E+00	G2 1.9114508E-03	
(1S+,3D+)	F0 1.2770091E+00	G2 1.9079498E-03	
(1S+,4S+)	F0 4.3957649E-01	G0 3.8401753E-03	
(2S+,2S+)	F0 3.5359201E+00		
(2S+,2P-)	F0 3.7544959E+00	G1 2.1445474E+00	
(2S+,2P+)	F0 3.7330604E+00	G1 2.1511321E+00	
(2S+,3S+)	F0 1.5276770E+00	G0 1.0268403E-01	
(2S+,3P-)	F0 1.4913361E+00	G1 9.0412059E-02	
(2S+,3P+)	F0 1.4751870E+00	G1 8.8774579E-02	

TABLE 1.– CONTINUED

COBALT 3D7 Z=27

(2S+,3D-)	F0	1.2614309E+00	G2	1.5818704E-01			
(2S+,3D+)	F0	1.2541473E+00	G2	1.5605069E-01			
(2S+,4S+)	F0	4.2818057E-01	G0	5.7349861E-03			
(2P-,2P-)	F0	4.0952741E+00					
(2P-,2P+)	F0	4.0658515E+00	G2	1.9017913E+00			
(2P-,3S+)	F0	1.5528878E+00	G1	1.2702774E-01			
(2P-,3P-)	F0	1.5233575E+00	G0	1.1853543E-01			
(2P-,3P+)	F0	1.5065175E+00	G2	1.2095283E-01			
(2P-,3D-)	F0	1.2676817E+00	G1	1.6928739E-01			
(2P-,3D+)	F0	1.2602435E+00	G3	9.4449684E-02			
(2P-,4S+)	F0	4.2969861E-01	G1	7.2712678E-03			
(2P+,2P+)	F0	4.0371744E+00	F2	1.9024961E+00			
(2P+,3S+)	F0	1.5503776E+00	G1	1.2677387E-01			
(2P+,3P-)	F0	1.5205452E+00	G2	1.2232188E-01			
(2P+,3P+)	F0	1.5037807E+00	F2	2.9837113E-01	G0	1.1580754E-01	G2 1.2145889E-01
(2P+,3D-)	F0	1.2670186E+00	F2	2.3517185E-01	G1	1.7312710E-01	G3 9.8323876E-02
(2P+,3D+)	F0	1.2595955E+00	F2	2.3216461E-01	G1	1.7111984E-01	G3 9.7188332E-02
(2P+,4S+)	F0	4.2954716E-01	G1	7.2485906E-03			
(3S+,3S+)	F0	1.1622174E+00					
(3S+,3P-)	F0	1.1379633E+00	G1	7.5111098E-01			
(3S+,3P+)	F0	1.1308243E+00	G1	7.4696761E-01			
(3S+,3D-)	F0	1.0005740E+00	G2	4.2202344E-01			
(3S+,3D+)	F0	9.9682197E-01	G2	4.2002421E-01			
(3S+,4S+)	F0	4.0831043E-01	G0	1.4617415E-02			
(3P-,3P-)	F0	1.1157522E+00					
(3P-,3P+)	F0	1.1088979E+00	G2	5.5155644E-01			
(3P-,3D-)	F0	9.8269582E-01	G1	5.6172750E-01			
(3P-,3D+)	F0	9.7908210E-01	G3	3.3614461E-01			
(3P-,4S+)	F0	4.0715535E-01	G1	2.0266719E-02			
(3P+,3P+)	F0	1.1021833E+00	F2	5.4870809E-01			
(3P+,3D-)	F0	9.7739409E-01	F2	4.5156167E-01	G1	5.5850798E-01	G3 3.3613469E-01
(3P+,3D+)	F0	9.7383068E-01	F2	4.4962031E-01	G1	5.5631331E-01	G3 3.3473947E-01
(3P+,4S+)	F0	4.0680217E-01	G1	2.0561565E-02			
(3D-,3D-)	F0	8.8149964E-01	F2	3.9525084E-01			
(3D-,3D+)	F0	8.7857309E-01	F2	3.9381530E-01	G2	3.9349228E-01	G4 2.4254843E-01
(3D-,4S+)	F0	3.9693342E-01	G2	4.8053527E-02			
(3D+,3D+)	F0	8.7566855E-01	F2	3.9239933E-01	F4	2.4184221E-01	
(3D+,4S+)	F0	3.9661377E-01	G2	4.8717120E-02			
(4S+,4S+)	F0	3.0849442E-01					

NICKEL 3D8 Z=28

(1S+,1S+)	F0	1.7368316E+01		
(1S+,2S+)	F0	5.2022273E+00	G0	4.8665728E-01
(1S+,2P-)	F0	5.8911849E+00	G1	9.9513698E-01
(1S+,2P+)	F0	5.7873328E+00	G1	9.7331056E-01
(1S+,3S+)	F0	1.7941534E+00	G0	6.6543688E-02
(1S+,3P-)	F0	1.7727918E+00	G1	1.2058789E-01
(1S+,3P+)	F0	1.7455527E+00	G1	1.1810157E-01
(1S+,3D-)	F0	1.3624636E+00	G2	2.1513785E-03
(1S+,3D+)	F0	1.3532014E+00	G2	2.1467069E-03
(1S+,4S+)	F0	4.5355330E-01	G0	3.9073953E-03

TABLE 1.– CONTINUED

NICKEL 3D8 Z=28

(2S+,2S+)	F0	3.6886408E+00					
(2S+,2P-)	F0	3.9201049E+00	G1	2.2339548E+00			
(2S+,2P+)	F0	3.8960760E+00	G1	2.2415730E+00			
(2S+,3S+)	F0	1.5972423E+00	G0	1.0755736E-01			
(2S+,3P-)	F0	1.5640495E+00	G1	9.5172216E-02			
(2S+,3P+)	F0	1.5457056E+00	G1	9.3234092E-02			
(2S+,3D-)	F0	1.3365644E+00	G2	1.7283243E-01			
(2S+,3D+)	F0	1.3280597E+00	G2	1.7028446E-01			
(2S+,4S+)	F0	4.4201129E-01	G0	5.7949376E-03			
(2P-,2P-)	F0	4.2818540E+00					
(2P-,2P+)	F0	4.2487445E+00	G2	1.9875559E+00			
(2P-,3S+)	F0	1.6240910E+00	G1	1.3292217E-01			
(2P-,3P-)	F0	1.5982985E+00	G0	1.2470032E-01			
(2P-,3P+)	F0	1.5791520E+00	G2	1.2716380E-01			
(2P-,3D-)	F0	1.3436038E+00	G1	1.8411577E-01			
(2P-,3D+)	F0	1.3349099E+00	G3	1.0260474E-01			
(2P-,4S+)	F0	4.4357041E-01	G1	7.3401441E-03			
(2P+,2P+)	F0	4.2165393E+00	F2	1.9885498E+00			
(2P+,3S+)	F0	1.6212574E+00	G1	1.3261954E-01			
(2P+,3P-)	F0	1.5951048E+00	G2	1.2874668E-01			
(2P+,3P+)	F0	1.5760517E+00	F2	3.1394803E-01	G0	1.2157169E-01	G2 1.2774278E-01
(2P+,3D-)	F0	1.3428245E+00	F2	2.5378251E-01	G1	1.8855757E-01	G3 1.0714344E-01
(2P+,3D+)	F0	1.3341499E+00	F2	2.5022692E-01	G1	1.8617117E-01	G3 1.0579252E-01
(2P+,4S+)	F0	4.4340552E-01	G1	7.3149466E-03			
(3S+,3S+)	F0	1.2151753E+00					
(3S+,3P-)	F0	1.1919115E+00	G1	7.8617156E-01			
(3S+,3P+)	F0	1.1838354E+00	G1	7.8161100E-01			
(3S+,3D-)	F0	1.0549525E+00	G2	4.4540857E-01			
(3S+,3D+)	F0	1.0506150E+00	G2	4.4314814E-01			
(3S+,4S+)	F0	4.2196708E-01	G0	1.4803377E-02			
(3P-,3P-)	F0	1.1706324E+00					
(3P-,3P+)	F0	1.1628329E+00	G2	5.7804523E-01			
(3P-,3D-)	F0	1.0375103E+00	G1	5.9298701E-01			
(3P-,3D+)	F0	1.0333165E+00	G3	3.5507250E-01			
(3P-,4S+)	F0	4.2089937E-01	G1	2.0444974E-02			
(3P+,3P+)	F0	1.1552052E+00	F2	5.7482809E-01			
(3P+,3D-)	F0	1.0313726E+00	F2	4.7688689E-01	G1	5.8910369E-01	G3 3.5493933E-01
(3P+,3D+)	F0	1.0272425E+00	F2	4.7466015E-01	G1	5.8662221E-01	G3 3.5335437E-01
(3P+,4S+)	F0	4.2051354E-01	G1	2.0761565E-02			
(3D-,3D-)	F0	9.3539589E-01	F2	4.1980876E-01			
(3D-,3D+)	F0	9.3195449E-01	F2	4.1811361E-01	G2	4.1772839E-01	G4 2.5756242E-01
(3D-,4S+)	F0	4.1106596E-01	G2	4.7611765E-02			
(3D+,3D+)	F0	9.2854168E-01	F2	4.1644387E-01	F4	2.5673124E-01	
(3D+,4S+)	F0	4.1071193E-01	G2	4.8358329E-02			
(4S+,4S+)	F0	3.1832376E-01					

COPPER 4S1 Z=29

(1S+,1S+)	F0	1.8022212E+01		
(1S+,2S+)	F0	5.4193649E+00	G0	5.1001689E-01
(1S+,2P-)	F0	6.1461371E+00	G1	1.0447955E+00
(1S+,2P+)	F0	6.0298794E+00	G1	1.0204590E+00

TABLE 1.– CONTINUED

COPPER 4S1 Z=29

(1S+,3S+)	F0	1.8670484E+00	G0	6.9544659E-02		
(1S+,3P-)	F0	1.8466605E+00	G1	1.2611181E-01		
(1S+,3P+)	F0	1.8154457E+00	G1	1.2324005E-01		
(1S+,3D-)	F0	1.3727390E+00	G2	2.1980364E-03		
(1S+,3D+)	F0	1.3596937E+00	G2	2.1849192E-03		
(1S+,4S+)	F0	4.3278011E-01	G0	3.2419118E-03		
(2S+,2S+)	F0	3.8420689E+00				
(2S+,2P-)	F0	4.0865518E+00	G1	2.3235067E+00		
(2S+,2P+)	F0	4.0597103E+00	G1	2.3322563E+00		
(2S+,3S+)	F0	1.6621746E+00	G0	1.1169085E-01		
(2S+,3P-)	F0	1.6292650E+00	G1	9.8886217E-02		
(2S+,3P+)	F0	1.6081813E+00	G1	9.6578920E-02		
(2S+,3D-)	F0	1.3467476E+00	G2	1.7234678E-01		
(2S+,3D+)	F0	1.3346141E+00	G2	1.6900704E-01		
(2S+,4S+)	F0	4.2324484E-01	G0	4.7933272E-03		
(2P-,2P-)	F0	4.4695443E+00				
(2P-,2P+)	F0	4.4324263E+00	G2	2.0734901E+00		
(2P-,3S+)	F0	1.6904729E+00	G1	1.3786523E-01		
(2P-,3P-)	F0	1.6653666E+00	G0	1.2951138E-01		
(2P-,3P+)	F0	1.6433442E+00	G2	1.3183072E-01		
(2P-,3D-)	F0	1.3539503E+00	G1	1.8281483E-01		
(2P-,3D+)	F0	1.3415830E+00	G3	1.0138167E-01		
(2P-,4S+)	F0	4.2455011E-01	G1	6.0592834E-03		
(2P+,2P+)	F0	4.3963982E+00	F2	2.0748134E+00		
(2P+,3S+)	F0	1.6873106E+00	G1	1.3751626E-01		
(2P+,3P-)	F0	1.6617968E+00	G2	1.3371429E-01		
(2P+,3P+)	F0	1.6398899E+00	F2	3.2627905E-01	G0	1.2590454E-01 G2 1.3248253E-01
(2P+,3D-)	F0	1.3531173E+00	F2	2.5217097E-01	G1	1.8751513E-01 G3 1.0657748E-01
(2P+,3D+)	F0	1.3407752E+00	F2	2.4752616E-01	G1	1.8430501E-01 G3 1.0475796E-01
(2P+,4S+)	F0	4.2440395E-01	G1	6.0368020E-03		
(3S+,3S+)	F0	1.2637534E+00				
(3S+,3P-)	F0	1.2400428E+00	G1	8.1685856E-01		
(3S+,3P+)	F0	1.2307640E+00	G1	8.1163110E-01		
(3S+,3D-)	F0	1.0662847E+00	G2	4.4119782E-01		
(3S+,3D+)	F0	1.0595777E+00	G2	4.3750776E-01		
(3S+,4S+)	F0	4.0661150E-01	G0	1.2527360E-02		
(3P-,3P-)	F0	1.2183660E+00				
(3P-,3P+)	F0	1.2093856E+00	G2	5.9995933E-01		
(3P-,3D-)	F0	1.0493734E+00	G1	5.8998551E-01		
(3P-,3D+)	F0	1.0428665E+00	G3	3.5078630E-01		
(3P-,4S+)	F0	4.0573731E-01	G1	1.7324180E-02		
(3P+,3P+)	F0	1.2006209E+00	F2	5.9625029E-01		
(3P+,3D-)	F0	1.0426567E+00	F2	4.7503153E-01	G1	5.8604521E-01 G3 3.5173974E-01
(3P+,3D+)	F0	1.0362465E+00	F2	4.7140372E-01	G1	5.8176302E-01 G3 3.4904543E-01
(3P+,4S+)	F0	4.0538220E-01	G1	1.7642438E-02		
(3D-,3D-)	F0	9.2338779E-01	F2	4.0581440E-01		
(3D-,3D+)	F0	9.1822183E-01	F2	4.0318531E-01	G2	4.0278891E-01 G4 2.4693827E-01
(3D-,4S+)	F0	3.9423211E-01	G2	4.8214416E-02		
(3D+,3D+)	F0	9.1311275E-01	F2	4.0060351E-01	F4	2.4552947E-01
(3D+,4S+)	F0	3.9365545E-01	G2	4.9296051E-02		

TABLE 1.– CONTINUED

ZINC 4S2 Z=30

(1S+,1S+)	F0	1.8677993E+01				
(1S+,2S+)	F0	5.6366510E+00	G0	5.3344020E-01		
(1S+,2P-)	F0	6.4009172E+00	G1	1.0940395E+00		
(1S+,2P+)	F0	6.2713060E+00	G1	1.0670138E+00		
(1S+,3S+)	F0	1.9518025E+00	G0	7.3510165E-02		
(1S+,3P-)	F0	1.9398736E+00	G1	1.3432573E-01		
(1S+,3P+)	F0	1.9051248E+00	G1	1.3114000E-01		
(1S+,3D-)	F0	1.5145297E+00	G2	2.6403091E-03		
(1S+,3D+)	F0	1.5021160E+00	G2	2.6324837E-03		
(1S+,4S+)	F0	4.8060948E-01	G0	4.0282268E-03		
(2S+,2S+)	F0	3.9954874E+00				
(2S+,2P-)	F0	4.2528511E+00	G1	2.4129464E+00		
(2S+,2P+)	F0	4.2229805E+00	G1	2.4229160E+00		
(2S+,3S+)	F0	1.7361378E+00	G0	1.1725935E-01		
(2S+,3P-)	F0	1.7091351E+00	G1	1.0464728E-01		
(2S+,3P+)	F0	1.6858048E+00	G1	1.0201369E-01		
(2S+,3D-)	F0	1.4838477E+00	G2	2.0157121E-01		
(2S+,3D+)	F0	1.4724905E+00	G2	1.9805655E-01		
(2S+,4S+)	F0	4.6880934E-01	G0	5.9311547E-03		
(2P-,2P-)	F0	4.6568874E+00				
(2P-,2P+)	F0	4.6154494E+00	G2	2.1588933E+00		
(2P-,3S+)	F0	1.7662586E+00	G1	1.4460182E-01		
(2P-,3P-)	F0	1.7478503E+00	G0	1.3697371E-01		
(2P-,3P+)	F0	1.7234592E+00	G2	1.3937366E-01		
(2P-,3D-)	F0	1.4924916E+00	G1	2.1305565E-01		
(2P-,3D+)	F0	1.4808619E+00	G3	1.1840497E-01		
(2P-,4S+)	F0	4.7044215E-01	G1	7.4587067E-03		
(2P+,2P+)	F0	4.5753163E+00	F2	2.1605869E+00		
(2P+,3S+)	F0	1.7626965E+00	G1	1.4419636E-01		
(2P+,3P-)	F0	1.7437939E+00	G2	1.4144937E-01		
(2P+,3P+)	F0	1.7195420E+00	F2	3.4469104E-01	G0	1.3293078E-01	G2	1.4011721E-01
(2P+,3D-)	F0	1.4914467E+00	F2	2.9021114E-01	G1	2.1885151E-01	G3	1.2446588E-01
(2P+,3D+)	F0	1.4798476E+00	F2	2.8537362E-01	G1	2.1557378E-01	G3	1.2260832E-01
(2P+,4S+)	F0	4.7024863E-01	G1	7.4282272E-03		
(3S+,3S+)	F0	1.3208172E+00				
(3S+,3P-)	F0	1.2994624E+00	G1	8.5592941E-01		
(3S+,3P+)	F0	1.2892621E+00	G1	8.5043720E-01		
(3S+,3D-)	F0	1.1616345E+00	G2	4.9957695E-01		
(3S+,3D+)	F0	1.1559273E+00	G2	4.8771240E-01		
(3S+,4S+)	F0	4.4845103E-01	G0	1.5142252E-02		
(3P-,3P-)	F0	1.2800433E+00				
(3P-,3P+)	F0	1.2700918E+00	G2	6.3064876E-01		
(3P-,3D-)	F0	1.1452555E+00	G1	6.5385872E-01		
(3P-,3D+)	F0	1.1396990E+00	G3	3.9177592E-01		
(3P-,4S+)	F0	4.4753808E-01	G1	2.0775682E-02		
(3P+,3P+)	F0	1.2603947E+00	F2	6.2660514E-01		
(3P+,3D-)	F0	1.1372155E+00	F2	5.2617483E-01	G1	6.4846275E-01	G3	3.9137308E-01
(3P+,3D+)	F0	1.1317582E+00	F2	5.2328099E-01	G1	6.4531370E-01	G3	3.8934577E-01
(3P+,4S+)	F0	4.4708205E-01	G1	2.1139974E-02		
(3D-,3D-)	F0	1.0406570E+00	F2	4.6756843E-01		
(3D-,3D+)	F0	1.0360023E+00	F2	4.6525804E-01	G2	4.6472878E-01	G4	2.8664391E-01
(3D-,4S+)	F0	4.3825834E-01	G2	4.7120719E-02		
(3D+,3D+)	F0	1.0313941E+00	F2	4.6298894E-01	F4	2.8551556E-01		
(3D+,4S+)	F0	4.3782576E-01	G2	4.8055220E-02		
(4S+,4S+)	F0	3.3727388E-01				

TABLE 1.– CONTINUED

GALLIUM 4P1 Z=31

(1S+,1S+)	F0	1.9336212E+01					
(1S+,2S+)	F0	5.8548892E+00	G0	5.5707954E-01			
(1S+,2P-)	F0	6.6568334E+00	G1	1.1433685E+00			
(1S+,2P+)	F0	6.5128468E+00	G1	1.1134621E+00			
(1S+,3S+)	F0	2.0390190E+00	G0	7.7696722E-02			
(1S+,3P-)	F0	2.0366777E+00	G1	1.4306662E-01			
(1S+,3P+)	F0	1.9982617E+00	G1	1.3956540E-01			
(1S+,3D-)	F0	1.6535786E+00	G2	3.1174205E-03			
(1S+,3D+)	F0	1.6411230E+00	G2	3.1150847E-03			
(1S+,4S+)	F0	5.4902176E-01	G0	5.3617757E-03			
(1S+,4P-)	F0	3.7625630E-01	G1	4.3485879E-03			
(2S+,2S+)	F0	4.1494439E+00					
(2S+,2P-)	F0	4.4197289E+00	G1	2.5025054E+00			
(2S+,2P+)	F0	4.3865967E+00	G1	2.5137953E+00			
(2S+,3S+)	F0	1.8119584E+00	G0	1.2312271E-01			
(2S+,3P-)	F0	1.7916674E+00	G1	1.1079396E-01			
(2S+,3P+)	F0	1.7660563E+00	G1	1.0781798E-01			
(2S+,3D-)	F0	1.6179270E+00	G2	2.3212232E-01			
(2S+,3D+)	F0	1.6067070E+00	G2	2.2833312E-01			
(2S+,4S+)	F0	5.3337527E-01	G0	7.7760494E-03			
(2S+,4P-)	F0	3.6886537E-01	G1	3.2100402E-03			
(2P-,2P-)	F0	4.8449150E+00					
(2P-,2P+)	F0	4.7988181E+00	G2	2.2442504E+00			
(2P-,3S+)	F0	1.8439910E+00	G1	1.5169050E-01			
(2P-,3P-)	F0	1.8331643E+00	G0	1.4493616E-01			
(2P-,3P+)	F0	1.8063647E+00	G2	1.4742837E-01			
(2P-,3D-)	F0	1.6281209E+00	G1	2.4457132E-01			
(2P-,3D+)	F0	1.6165803E+00	G3	1.3609133E-01			
(2P-,4S+)	F0	5.3556128E-01	G1	9.8300949E-03			
(2P-,4P-)	F0	3.7010737E-01	G0	4.1158384E-03			
(2P+,2P+)	F0	4.7542742E+00	F2	2.2463613E+00			
(2P+,3S+)	F0	1.8399861E+00	G1	1.5122227E-01			
(2P+,3P-)	F0	1.8285627E+00	G2	1.4968456E-01			
(2P+,3P+)	F0	1.8019294E+00	F2	3.6419282E-01	G0	1.4043645E-01	G2 1.4827403E-01
(2P+,3D-)	F0	1.6268325E+00	F2	3.2918160E-01	G1	2.5159834E-01	G3 1.4317820E-01
(2P+,3D+)	F0	1.6153294E+00	F2	3.2399422E-01	G1	2.4816253E-01	G3 1.4123139E-01
(2P+,4S+)	F0	5.3528733E-01	G1	9.7859042E-03			
(2P+,4P-)	F0	3.6996930E-01	G2	4.3706647E-03			
(3S+,3S+)	F0	1.3795728E+00					
(3S+,3P-)	F0	1.3609594E+00	G1	8.9641691E-01			
(3S+,3P+)	F0	1.3498398E+00	G1	8.9073615E-01			
(3S+,3D-)	F0	1.2536646E+00	G2	5.3742991E-01			
(3S+,3D+)	F0	1.2484827E+00	G2	5.3519315E-01			
(3S+,4S+)	F0	5.0673263E-01	G0	1.9452685E-02			
(3S+,4P-)	F0	3.5705123E-01	G1	1.0593011E-02			
(3P-,3P-)	F0	1.3442174E+00					
(3P-,3P+)	F0	1.3332788E+00	G2	6.6282751E-01			
(3P-,3D-)	F0	1.2385873E+00	G1	7.1444993E-01			
(3P-,3D+)	F0	1.2335140E+00	G3	4.3116904E-01			
(3P-,4S+)	F0	5.0575136E-01	G1	2.6489202E-02			
(3P-,4P-)	F0	3.5669253E-01	G0	9.7299971E-03			
(3P+,3P+)	F0	1.3226362E+00	F2	6.5846778E-01			
(3P+,3D-)	F0	1.2291732E+00	F2	5.7554475E-01	G1	7.0735943E-01	G3 4.2946086E-01
(3P+,3D+)	F0	1.2242048E+00	F2	5.7314336E-01	G1	7.0505929E-01	G3 4.2793816E-01
(3P+,4S+)	F0	5.0513051E-01	G1	2.6913916E-02			

TABLE 1.– CONTINUED

GALLIUM 4P1 Z=31

(3P+,4P-)	F0	3.5642526E-01	G2	1.0883234E-02			
(3D-,3D-)	F0	1.1550068E+00	F2	5.2858889E-01			
(3D-,3D+)	F0	1.1505341E+00	F2	5.2643816E-01	G2	5.2575089E-01	G4 3.2603289E-01
(3D-,4S+)	F0	4.9760646E-01	G2	4.9619667E-02			
(3D-,4P-)	F0	3.5346079E-01	G1	2.2194799E-02			
(3D+,3D+)	F0	1.1461044E+00	F2	5.2432749E-01	F4	3.2510742E-01	
(3D+,4S+)	F0	4.9720217E-01	G2	5.0472074E-02			
(3D+,4P-)	F0	3.5329634E-01	G3	1.8130614E-02			
(4S+,4S+)	F0	3.8548806E-01					
(4S+,4P-)	F0	3.0560333E-01	G1	1.7913434E-01			

GERMANIUM 4P2 Z=32

(1S+,1S+)	F0	1.9996910E+01					
(1S+,2S+)	F0	6.0741241E+00	G0	5.8094648E-01			
(1S+,2P-)	F0	6.9139114E+00	G1	1.1927627E+00			
(1S+,2P+)	F0	6.7544892E+00	G1	1.1597789E+00			
(1S+,3S+)	F0	2.1290415E+00	G0	8.2147984E-02			
(1S+,3P-)	F0	2.1371184E+00	G1	1.5238272E-01			
(1S+,3P+)	F0	2.0948306E+00	G1	1.4855865E-01			
(1S+,3D-)	F0	1.7859849E+00	G2	3.6134482E-03			
(1S+,3D+)	F0	1.7729197E+00	G2	3.6165517E-03			
(1S+,4S+)	F0	6.0973579E-01	G0	6.6596969E-03			
(1S+,4P-)	F0	4.4880438E-01	G1	6.5147748E-03			
(2S+,2S+)	F0	4.3039743E+00					
(2S+,2P-)	F0	4.5872177E+00	G1	2.5922125E+00			
(2S+,2P+)	F0	4.5505823E+00	G1	2.6049296E+00			
(2S+,3S+)	F0	1.8898613E+00	G0	1.2933208E-01			
(2S+,3P-)	F0	1.8768258E+00	G1	1.1735078E-01			
(2S+,3P+)	F0	1.8488505E+00	G1	1.1400969E-01			
(2S+,3D-)	F0	1.7452660E+00	G2	2.6280718E-01			
(2S+,3D+)	F0	1.7336490E+00	G2	2.5863996E-01			
(2S+,4S+)	F0	5.9037236E-01	G0	9.5609954E-03			
(2S+,4P-)	F0	4.3776510E-01	G1	4.7667706E-03			
(2P-,2P-)	F0	5.0336506E+00					
(2P-,2P+)	F0	4.9825426E+00	G2	2.3295652E+00			
(2P-,3S+)	F0	1.9239119E+00	G1	1.5919598E-01			
(2P-,3P-)	F0	1.9212873E+00	G0	1.5343078E-01			
(2P-,3P+)	F0	1.8919879E+00	G2	1.5602524E-01			
(2P-,3D-)	F0	1.7570654E+00	G1	2.7612274E-01			
(2P-,3D+)	F0	1.7450701E+00	G3	1.5373676E-01			
(2P-,4S+)	F0	5.9310123E-01	G1	1.2089324E-02			
(2P-,4P-)	F0	4.3963490E-01	G0	6.0994256E-03			
(2P+,2P+)	F0	4.9332726E+00	F2	2.3321444E+00			
(2P+,3S+)	F0	1.9194160E+00	G1	1.5865772E-01			
(2P+,3P-)	F0	1.9160754E+00	G2	1.5845554E-01			
(2P+,3P+)	F0	1.8869734E+00	F2	3.8482314E-01	G0	1.4844428E-01	G2 1.5698419E-01
(2P+,3D-)	F0	1.7555062E+00	F2	3.6754330E-01	G1	2.8448738E-01	G3 1.6199364E-01
(2P+,3D+)	F0	1.7435571E+00	F2	3.6185097E-01	G1	2.8079737E-01	G3 1.5990301E-01
(2P+,4S+)	F0	5.9274003E-01	G1	1.2029759E-02			
(2P+,4P-)	F0	4.3941512E-01	G2	6.4890881E-03			
(3S+,3S+)	F0	1.4401440E+00					

TABLE 1.– CONTINUED

GERMANIUM 4P2 Z=32

(3S+,3P-)	F0	1.4245022E+00	G1	9.3818336E-01		
(3S+,3P+)	F0	1.4124342E+00	G1	9.3236544E-01		
(3S+,3D-)	F0	1.3406053E+00	G2	5.7989660E-01		
(3S+,3D+)	F0	1.3355767E+00	G2	5.7809907E-01		
(3S+,4S+)	F0	5.5786938E-01	G0	2.3329953E-02		
(3S+,4P-)	F0	4.2038157E-01	G1	1.5069191E-02		
(3P-,3P-)	F0	1.4107192E+00				
(3P-,3P+)	F0	1.3987482E+00	G2	6.9626723E-01		
(3P-,3D-)	F0	1.3275103E+00	G1	7.6972869E-01		
(3P-,3D+)	F0	1.3225530E+00	G3	4.6750091E-01		
(3P-,4S+)	F0	5.5692589E-01	G1	3.1571219E-02		
(3P-,4P-)	F0	4.1998563E-01	G0	1.3886839E-02		
(3P+,3P+)	F0	1.3871191E+00	F2	6.9159218E-01		
(3P+,3D-)	F0	1.3166992E+00	F2	6.2158988E-01	G1	7.6078951E-01	G3	4.6456535E-01
(3P+,3D+)	F0	1.3118567E+00	F2	6.1947159E-01	G1	7.5908159E-01	G3	4.6339550E-01
(3P+,4S+)	F0	5.5614004E-01	G1	3.2031788E-02		
(3P+,4P-)	F0	4.1957728E-01	G2	1.5674297E-02		
(3D-,3D-)	F0	1.2620993E+00	F2	5.8568207E-01		
(3D-,3D+)	F0	1.2575356E+00	F2	5.8354609E-01	G2	5.8268025E-01	G4	3.6289035E-01
(3D-,4S+)	F0	5.4992273E-01	G2	5.1489238E-02		
(3D-,4P-)	F0	4.1662228E-01	G1	2.6486026E-02		
(3D+,3D+)	F0	1.2530158E+00	F2	5.8145240E-01	F4	3.6209165E-01		
(3D+,4S+)	F0	5.4951002E-01	G2	5.2287970E-02		
(3D+,4P-)	F0	4.1641834E-01	G3	2.2650305E-02		
(4S+,4S+)	F0	4.2707145E-01				
(4S+,4P-)	F0	3.5484659E-01	G1	2.1778452E-01		
(4P-,4P-)	F0	3.0900968E-01				

ARSENIC 4P3 Z=33

(1S+,1S+)	F0	2.0660210E+01		
(1S+,2S+)	F0	6.2944419E+00	G0	6.0505844E-01
(1S+,2P-)	F0	7.1722791E+00	G1	1.2422466E+00
(1S+,2P+)	F0	6.9963148E+00	G1	1.2059816E+00
(1S+,3S+)	F0	2.2212818E+00	G0	8.6822224E-02
(1S+,3P-)	F0	2.2402194E+00	G1	1.6214383E-01
(1S+,3P+)	F0	2.1938030E+00	G1	1.5798449E-01
(1S+,3D-)	F0	1.9137956E+00	G2	4.1262983E-03
(1S+,3D+)	F0	1.8998185E+00	G2	4.1353491E-03
(1S+,4S+)	F0	6.6800794E-01	G0	7.9920926E-03
(1S+,4P-)	F0	5.1502849E-01	G1	8.7794672E-03
(1S+,4P+)	F0	5.0225339E-01	G1	8.4142087E-03
(2S+,2S+)	F0	4.4591341E+00		
(2S+,2P-)	F0	4.7553875E+00	G1	2.6820949E+00
(2S+,2P+)	F0	4.7149961E+00	G1	2.6963476E+00
(2S+,3S+)	F0	1.9693869E+00	G0	1.3581796E-01
(2S+,3P-)	F0	1.9638537E+00	G1	1.2421594E-01
(2S+,3P+)	F0	1.9333895E+00	G1	1.2048163E-01
(2S+,3D-)	F0	1.8679263E+00	G2	2.9356583E-01
(2S+,3D+)	F0	1.8556386E+00	G2	2.8895530E-01
(2S+,4S+)	F0	6.4485098E-01	G0	1.1359187E-02
(2S+,4P-)	F0	5.0019007E-01	G1	6.3701361E-03

TABLE 1.– CONTINUED

ARSENIC 4P3 Z=33

(2S+,4P+)	F0	4.8850832E-01	G1	6.0690854E-03				
(2P-,2P-)	F0	5.2231867E+00						
(2P-,2P+)	F0	5.1666987E+00	G2	2.4148658E+00				
(2P-,3S+)	F0	2.0055461E+00	G1	1.6702949E-01				
(2P-,3P-)	F0	2.0114280E+00	G0	1.6232766E-01				
(2P-,3P+)	F0	1.9794948E+00	G2	1.6501922E-01				
(2P-,3D-)	F0	1.8813805E+00	G1	3.0766314E-01				
(2P-,3D+)	F0	1.8686486E+00	G3	1.7133444E-01				
(2P-,4S+)	F0	6.4814022E-01	G1	1.4366436E-02				
(2P-,4P-)	F0	5.0272144E-01	G0	8.1351763E-03				
(2P-,4P+)	F0	4.9092096E-01	G2	8.4040890E-03				
(2P+,2P+)	F0	5.1123750E+00	F2	2.4179680E+00				
(2P+,3S+)	F0	2.0005093E+00	G1	1.6641365E-01				
(2P+,3P-)	F0	2.0055396E+00	G2	1.6762336E-01				
(2P+,3P+)	F0	1.9738395E+00	F2	4.0627165E-01	G0	1.5681773E-01	G2	1.6610257E-01
(2P+,3D-)	F0	1.8795219E+00	F2	4.0541819E-01	G1	3.1747500E-01	G3	1.8088517E-01
(2P+,3D+)	F0	1.8668469E+00	F2	3.9912198E-01	G1	3.1347717E-01	G3	1.7862029E-01
(2P+,4S+)	F0	6.4768081E-01	G1	1.4289153E-02				
(2P+,4P-)	F0	5.0240719E-01	G2	8.6694874E-03				
(2P+,4P+)	F0	4.9062425E-01	F2	2.3047138E-02	G0	7.7260133E-03	G2	8.4541516E-03
(3S+,3S+)	F0	1.5020885E+00						
(3S+,3P-)	F0	1.4895047E+00	G1	9.8077593E-01				
(3S+,3P+)	F0	1.4764374E+00	G1	9.7485208E-01				
(3S+,3D-)	F0	1.4242944E+00	G2	6.1912310E-01				
(3S+,3D+)	F0	1.4192460E+00	G2	6.1768517E-01				
(3S+,4S+)	F0	6.0655113E-01	G0	2.7069698E-02				
(3S+,4P-)	F0	4.7717893E-01	G1	1.9351832E-02				
(3S+,4P+)	F0	4.6663105E-01	G1	1.9301877E-02				
(3P-,3P-)	F0	1.4788255E+00						
(3P-,3P+)	F0	1.4657584E+00	G2	7.3049455E-01				
(3P-,3D-)	F0	1.4136444E+00	G1	8.2129949E-01				
(3P-,3D+)	F0	1.4086308E+00	G3	5.0168077E-01				
(3P-,4S+)	F0	6.0571960E-01	G1	3.6448829E-02				
(3P-,4P-)	F0	4.7681869E-01	G0	1.7901431E-02				
(3P-,4P+)	F0	4.6628015E-01	G2	1.9672679E-02				
(3P+,3P+)	F0	1.4530840E+00	F2	7.2549574E-01				
(3P+,3D-)	F0	1.4013906E+00	F2	6.6535307E-01	G1	8.1037238E-01	G3	4.9751400E-01
(3P+,3D+)	F0	1.3965044E+00	F2	6.6342523E-01	G1	8.0914922E-01	G3	4.9663439E-01
(3P+,4S+)	F0	6.0475922E-01	G1	3.6932219E-02				
(3P+,4P-)	F0	4.7625771E-01	G2	2.0356986E-02				
(3P+,4P+)	F0	4.6574439E-01	F2	7.3910019E-02	G0	1.7300511E-02	G2	1.9689241E-02
(3D-,3D-)	F0	1.3643561E+00	F2	6.4007284E-01				
(3D-,3D+)	F0	1.3595699E+00	F2	6.3788430E-01	G2	6.3681830E-01	G4	3.9799356E-01
(3D-,4S+)	F0	5.9979546E-01	G2	5.3607215E-02				
(3D-,4P-)	F0	4.7361091E-01	G1	3.0308690E-02				
(3D-,4P+)	F0	4.6323278E-01	F2	8.2175405E-02	G1	2.8315942E-02	G3	2.4851995E-02
(3D+,3D+)	F0	1.3548309E+00	F2	6.3574223E-01	F4	3.9729419E-01		
(3D+,4S+)	F0	5.9935561E-01	G2	5.4373407E-02				
(3D+,4P-)	F0	4.7336441E-01	G3	2.6760941E-02				
(3D+,4P+)	F0	4.6299865E-01	F2	8.2795229E-02	G1	2.8748246E-02	G3	2.5170953E-02
(4S+,4S+)	F0	4.6633594E-01						
(4S+,4P-)	F0	3.9902449E-01	G1	2.5143313E-01				
(4S+,4P+)	F0	3.9282129E-01	G1	2.4354852E-01				
(4P-,4P-)	F0	3.5358356E-01						
(4P-,4P+)	F0	3.4922106E-01	G2	1.7499936E-01				

TABLE 1.– CONTINUED

SELENIUM 4P4 Z=34

(1S+,1S+)	F0	2.1326192E+01				
(1S+,2S+)	F0	6.5159037E+00	G0	6.2942902E-01		
(1S+,2P-)	F0	7.4320293E+00	G1	1.2918336E+00		
(1S+,2P+)	F0	7.2383708E+00	G1	1.2520767E+00		
(1S+,3S+)	F0	2.3153101E+00	G0	9.1687659E-02		
(1S+,3P-)	F0	2.3453297E+00	G1	1.7225572E-01		
(1S+,3P+)	F0	2.2944940E+00	G1	1.6774577E-01		
(1S+,3D-)	F0	2.0382476E+00	G2	4.6543345E-03		
(1S+,3D+)	F0	2.0231429E+00	G2	4.6700736E-03		
(1S+,4S+)	F0	7.2378963E-01	G0	9.3286723E-03		
(1S+,4P-)	F0	5.7646193E-01	G1	1.1075165E-02		
(1S+,4P+)	F0	5.6176956E-01	G1	1.0616159E-02		
(2S+,2S+)	F0	4.6149620E+00				
(2S+,2P-)	F0	4.9242875E+00	G1	2.7721713E+00		
(2S+,2P+)	F0	4.8798766E+00	G1	2.7880736E+00		
(2S+,3S+)	F0	2.0502032E+00	G0	1.4252777E-01		
(2S+,3P-)	F0	2.0522549E+00	G1	1.3131760E-01		
(2S+,3P+)	F0	2.0191523E+00	G1	1.2715839E-01		
(2S+,3D-)	F0	1.9871546E+00	G2	3.2436618E-01		
(2S+,3D+)	F0	1.9740086E+00	G2	3.1925897E-01		
(2S+,4S+)	F0	6.9684951E-01	G0	1.3129191E-02		
(2S+,4P-)	F0	5.5778411E-01	G1	7.9726191E-03		
(2S+,4P+)	F0	5.4450855E-01	G1	7.5867859E-03		
(2P-,2P-)	F0	5.4135891E+00				
(2P-,2P+)	F0	5.3513359E+00	G2	2.5001678E+00		
(2P-,3S+)	F0	2.0885490E+00	G1	1.7512359E-01		
(2P-,3P-)	F0	2.1030654E+00	G0	1.7153550E-01		
(2P-,3P+)	F0	2.0683378E+00	G2	1.7430803E-01		
(2P-,3D-)	F0	2.0023084E+00	G1	3.3917216E-01		
(2P-,3D+)	F0	1.9886440E+00	G3	1.8887711E-01		
(2P-,4S+)	F0	7.0070367E-01	G1	1.6608307E-02		
(2P-,4P-)	F0	5.6099138E-01	G0	1.0163117E-02		
(2P-,4P+)	F0	5.4756389E-01	G2	1.0520552E-02		
(2P+,2P+)	F0	5.2916189E+00	F2	2.5038517E+00		
(2P+,3S+)	F0	2.0829199E+00	G1	1.7442244E-01		
(2P+,3P-)	F0	2.0964328E+00	G2	1.7708948E-01		
(2P+,3P+)	F0	2.0619794E+00	F2	4.2832489E-01	G0	1.6546103E-01	G2	1.7552698E-01
(2P+,3D-)	F0	2.0001206E+00	F2	4.4290940E-01	G1	3.5054477E-01	G3	1.9984156E-01
(2P+,3D+)	F0	1.9865256E+00	F2	4.3592781E-01	G1	3.4619938E-01	G3	1.9737988E-01
(2P+,4S+)	F0	7.0013627E-01	G1	1.6511138E-02		
(2P+,4P-)	F0	5.6057138E-01	G2	1.0846539E-02		
(2P+,4P+)	F0	5.4716780E-01	F2	2.8548522E-02	G0	9.6419773E-03	G2	1.0586992E-02
(3S+,3S+)	F0	1.5650953E+00				
(3S+,3P-)	F0	1.5555817E+00	G1	1.0239115E+00		
(3S+,3P+)	F0	1.5414519E+00	G1	1.0179024E+00		
(3S+,3D-)	F0	1.5057593E+00	G2	6.5591267E-01		
(3S+,3D+)	F0	1.5005848E+00	G2	6.5479402E-01		
(3S+,4S+)	F0	6.5294681E-01	G0	3.0610870E-02		
(3S+,4P-)	F0	5.2925482E-01	G1	2.3356178E-02		
(3S+,4P+)	F0	5.1740470E-01	G1	2.3311397E-02		
(3P-,3P-)	F0	1.5480760E+00				
(3P-,3P+)	F0	1.5338378E+00	G2	7.6521837E-01		
(3P-,3D-)	F0	1.4978696E+00	G1	8.7019465E-01		
(3P-,3D+)	F0	1.4926925E+00	G3	5.3428451E-01		
(3P-,4S+)	F0	6.5228965E-01	G1	4.1051549E-02		

TABLE 1.– CONTINUED

SELENIUM 4P4 Z=34

(3P-,4P-)	F0	5.2899577E-01	G0	2.1695365E-02				
(3P-,4P+)	F0	5.1714900E-01	G2	2.3998888E-02				
(3P+,3P+)	F0	1.5200496E+00	F2	7.5988304E-01				
(3P+,3D-)	F0	1.4841105E+00	F2	7.0746514E-01	G1	8.5714073E-01	G3	5.2885068E-01
(3P+,3D+)	F0	1.4790759E+00	F2	7.0567653E-01	G1	8.5634960E-01	G3	5.2823129E-01
(3P+,4S+)	F0	6.5114740E-01	G1	4.1547548E-02				
(3P+,4P-)	F0	5.2827372E-01	G2	2.4819974E-02				
(3P+,4P+)	F0	5.1645988E-01	F2	8.8059270E-02	G0	2.0952905E-02	G2	2.4009765E-02
(3D-,3D-)	F0	1.4631326E+00	F2	6.9247440E-01				
(3D-,3D+)	F0	1.4580371E+00	F2	6.9019067E-01	G2	6.8890182E-01	G4	4.3179140E-01
(3D-,4S+)	F0	6.4741826E-01	G2	5.5837291E-02				
(3D-,4P-)	F0	5.2613711E-01	G1	3.3825150E-02				
(3D-,4P+)	F0	5.1443212E-01	F2	9.4617858E-02	G1	3.1652340E-02	G3	2.8434022E-02
(3D+,3D+)	F0	1.4529934E+00	F2	6.8795905E-01	F4	4.3117991E-01		
(3D+,4S+)	F0	6.4694087E-01	G2	5.6584004E-02				
(3D+,4P-)	F0	5.2584531E-01	G3	3.0552522E-02				
(3D+,4P+)	F0	5.1415486E-01	F2	9.5300865E-02	G1	3.2073457E-02	G3	2.8763528E-02
(4S+,4S+)	F0	5.0354760E-01						
(4S+,4P-)	F0	4.3957710E-01	G1	2.8162064E-01				
(4S+,4P+)	F0	4.3273327E-01	G1	2.7299086E-01				
(4P-,4P-)	F0	3.9446710E-01						
(4P-,4P+)	F0	3.8948116E-01	G2	1.9656240E-01				
(4P+,4P+)	F0	3.8468055E-01	F2	1.9412557E-01				

BROMINE 4P5 Z=35

(1S+,1S+)	F0	2.1994998E+01		
(1S+,2S+)	F0	6.7385749E+00	G0	6.5407315E-01
(1S+,2P-)	F0	7.6932582E+00	G1	1.3415362E+00
(1S+,2P+)	F0	7.4807036E+00	G1	1.2980695E+00
(1S+,3S+)	F0	2.4108178E+00	G0	9.6720873E-02
(1S+,3P-)	F0	2.4520211E+00	G1	1.8265063E-01
(1S+,3P+)	F0	2.3964508E+00	G1	1.7777290E-01
(1S+,3D-)	F0	2.1602181E+00	G2	5.1960598E-03
(1S+,3D+)	F0	2.1438117E+00	G2	5.2193935E-03
(1S+,4S+)	F0	7.7798701E-01	G0	1.0675753E-02
(1S+,4P-)	F0	6.3487377E-01	G1	1.3402200E-02
(1S+,4P+)	F0	6.1785883E-01	G1	1.2825730E-02
(2S+,2S+)	F0	4.7714939E+00		
(2S+,2P-)	F0	5.0939636E+00	G1	2.8624547E+00
(2S+,2P+)	F0	5.0452572E+00	G1	2.8801245E+00
(2S+,3S+)	F0	2.1320732E+00	G0	1.4942526E-01
(2S+,3P-)	F0	2.1417075E+00	G1	1.3860699E-01
(2S+,3P+)	F0	2.1057998E+00	G1	1.3398885E-01
(2S+,3D-)	F0	2.1038353E+00	G2	3.5519426E-01
(2S+,3D+)	F0	2.0896848E+00	G2	3.4954288E-01
(2S+,4S+)	F0	7.4725472E-01	G0	1.4882142E-02
(2S+,4P-)	F0	6.1231178E-01	G1	9.5766170E-03
(2S+,4P+)	F0	5.9709663E-01	G1	9.0854588E-03
(2P-,2P-)	F0	5.6049191E+00		
(2P-,2P+)	F0	5.5364974E+00	G2	2.5854796E+00
(2P-,3S+)	F0	2.1726745E+00	G1	1.8343044E-01

TABLE 1.-- CONTINUED

BROMINE 4P5 Z=35

(2P-,3P-)	F0	2.1958603E+00	G0	1.8099531E-01				
(2P-,3P+)	F0	2.1581595E+00	G2	1.8382267E-01				
(2P-,3D-)	F0	2.1207297E+00	G1	3.7064596E-01				
(2P-,3D+)	F0	2.1059786E+00	G3	2.0636303E-01				
(2P-,4S+)	F0	7.5168049E-01	G1	1.8828263E-02				
(2P-,4P-)	F0	6.1620936E-01	G0	1.2187367E-02				
(2P-,4P+)	F0	6.0080095E-01	G2	1.2616170E-02				
(2P+,2P+)	F0	5.4710342E+00	F2	2.5898073E+00				
(2P+,3S+)	F0	2.1663999E+00	G1	1.8263600E-01				
(2P+,3P-)	F0	2.1884133E+00	G2	1.8678711E-01				
(2P+,3P+)	F0	2.1510339E+00	F2	4.5083677E-01	G0	1.7431142E-01	G2	1.8518850E-01
(2P+,3D-)	F0	2.1181814E+00	F2	4.8011240E-01	G1	3.8369744E-01	G3	2.1886125E-01
(2P+,3D+)	F0	2.1035143E+00	F2	4.7237201E-01	G1	3.7897201E-01	G3	2.1618438E-01
(2P+,4S+)	F0	7.5099444E-01	G1	1.8706905E-02				
(2P+,4P-)	F0	6.1567156E-01	G2	1.3022991E-02				
(2P+,4P+)	F0	6.0029531E-01	F2	3.3966780E-02	G0	1.1528981E-02	G2	1.2700451E-02
(3S+,3S+)	F0	1.6289473E+00						
(3S+,3P-)	F0	1.6224810E+00	G1	1.0674147E+00				
(3S+,3P+)	F0	1.6072175E+00	G1	1.0613350E+00				
(3S+,3D-)	F0	1.5856791E+00	G2	6.9086740E-01				
(3S+,3D+)	F0	1.5803051E+00	G2	6.9004873E-01				
(3S+,4S+)	F0	6.9789467E-01	G0	3.4007362E-02				
(3S+,4P-)	F0	5.7835579E-01	G1	2.7142616E-02				
(3S+,4P+)	F0	5.6491970E-01	G1	2.7061916E-02				
(3P-,3P-)	F0	1.6181792E+00						
(3P-,3P+)	F0	1.6026876E+00	G2	8.0026021E-01				
(3P-,3D-)	F0	1.5807672E+00	G1	9.1714338E-01				
(3P-,3D+)	F0	1.5753515E+00	G3	5.6572727E-01				
(3P-,4S+)	F0	6.9746047E-01	G1	4.5458194E-02				
(3P-,4P-)	F0	5.7825225E-01	G0	2.5321035E-02				
(3P-,4P+)	F0	5.6481107E-01	G2	2.8109844E-02				
(3P+,3P+)	F0	1.5877102E+00	F2	7.9457345E-01				
(3P+,3D-)	F0	1.5654268E+00	F2	7.4836468E-01	G1	9.0181742E-01	G3	5.5897036E-01
(3P+,3D+)	F0	1.5601713E+00	F2	7.4668549E-01	G1	9.0143481E-01	G3	5.5859867E-01
(3P+,4S+)	F0	6.9612705E-01	G1	4.5959811E-02				
(3P+,4P-)	F0	5.7735949E-01	G2	2.9108251E-02				
(3P+,4P+)	F0	5.6396119E-01	F2	1.0149904E-01	G0	2.4396426E-02	G2	2.8112530E-02
(3D-,3D-)	F0	1.5593695E+00	F2	7.4340632E-01				
(3D-,3D+)	F0	1.5538992E+00	F2	7.4099694E-01	G2	7.3946131E-01	G4	4.6461505E-01
(3D-,4S+)	F0	6.9361308E-01	G2	5.8208234E-02				
(3D-,4P-)	F0	5.7586294E-01	G1	3.7201777E-02				
(3D-,4P+)	F0	5.6254347E-01	F2	1.0628016E-01	G1	3.4805599E-02	G3	3.1795495E-02
(3D+,3D+)	F0	1.5484868E+00	F2	7.3864669E-01	F4	4.6408850E-01		
(3D+,4S+)	F0	6.9309030E-01	G2	5.8945050E-02				
(3D+,4P-)	F0	5.7552236E-01	G3	3.4167452E-02				
(3D+,4P+)	F0	5.6222045E-01	F2	1.0703060E-01	G1	3.5217534E-02	G3	3.2136755E-02
(4S+,4S+)	F0	5.3949425E-01						
(4S+,4P-)	F0	4.7788503E-01	G1	3.0963365E-01				
(4S+,4P+)	F0	4.7024755E-01	G1	3.0310522E-01				
(4P-,4P-)	F0	4.3298091E-01						
(4P-,4P+)	F0	4.2726792E-01	G2	2.1661581E-01				
(4P+,4P+)	F0	4.2178101E-01	F2	2.1384047E-01				

TABLE 1.– CONTINUED

KRYPTON 4P6 Z=36

(1S+,1S+)	F0	2.2666704E+01					
(1S+,2S+)	F0	6.9624995E+00	G0	6.7900103E-01			
(1S+,2P-)	F0	7.9560403E+00	G1	1.3913626E+00			
(1S+,2P+)	F0	7.7233412E+00	G1	1.3439612E+00			
(1S+,3S+)	F0	2.5075760E+00	G0	1.0190367E-01			
(1S+,3P-)	F0	2.5600056E+00	G1	1.9327893E-01			
(1S+,3P+)	F0	2.4993656E+00	G1	1.8801488E-01			
(1S+,3D-)	F0	2.2802874E+00	G2	5.7500434E-03			
(1S+,3D+)	F0	2.2624255E+00	G2	5.7820028E-03			
(1S+,4S+)	F0	8.3101348E-01	G0	1.2034594E-02			
(1S+,4P-)	F0	6.9120109E-01	G1	1.5759909E-02			
(1S+,4P+)	F0	6.7178853E-01	G1	1.5060105E-02			
(2S+,2S+)	F0	4.9287546E+00					
(2S+,2P-)	F0	5.2644498E+00	G1	2.9529544E+00			
(2S+,2P+)	F0	5.2111609E+00	G1	2.9725141E+00			
(2S+,3S+)	F0	2.2148237E+00	G0	1.5648138E-01			
(2S+,3P-)	F0	2.2319992E+00	G1	1.4604867E-01			
(2S+,3P+)	F0	2.1931069E+00	G1	1.4093549E-01			
(2S+,3D-)	F0	2.2185559E+00	G2	3.8603079E-01			
(2S+,3D+)	F0	2.2032759E+00	G2	3.7979048E-01			
(2S+,4S+)	F0	7.9647553E-01	G0	1.6621645E-02			
(2S+,4P-)	F0	6.6470762E-01	G1	1.1183627E-02			
(2S+,4P+)	F0	6.4750965E-01	G1	1.0579173E-02			
(2P-,2P-)	F0	5.7972253E+00					
(2P-,2P+)	F0	5.7222149E+00	G2	2.6708059E+00			
(2P-,3S+)	F0	2.2577420E+00	G1	1.9191195E-01			
(2P-,3P-)	F0	2.2895870E+00	G0	1.9066269E-01			
(2P-,3P+)	F0	2.2487211E+00	G2	1.9351231E-01			
(2P-,3D-)	F0	2.2372286E+00	G1	4.0207252E-01			
(2P-,3D+)	F0	2.2212570E+00	G3	2.2378437E-01			
(2P-,4S+)	F0	8.0147972E-01	G1	2.1030155E-02			
(2P-,4P-)	F0	6.6930978E-01	G0	1.4210804E-02			
(2P-,4P+)	F0	6.5187409E-01	G2	1.4710247E-02			
(2P+,2P+)	F0	5.6506411E+00	F2	2.6758439E+00			
(2P+,3S+)	F0	2.2507665E+00	G1	1.9101609E-01			
(2P+,3P-)	F0	2.2812538E+00	G2	1.9666711E-01			
(2P+,3P+)	F0	2.2407626E+00	F2	4.7370431E-01	G0	1.8332251E-01	G2 1.9533642E-01
(2P+,3D-)	F0	2.2342872E+00	F2	5.1709057E-01	G1	4.1692509E-01	G3 2.3793813E-01
(2P+,3D+)	F0	2.2184168E+00	F2	5.0852134E-01	G1	4.1179094E-01	G3 2.3502985E-01
(2P+,4S+)	F0	8.0066379E-01	G1	2.0886213E-02			
(2P+,4P-)	F0	6.6864141E-01	G2	1.5200363E-02			
(2P+,4P+)	F0	6.5124753E-01	F2	3.9360239E-02	G0	1.3405782E-02	G2 1.4813992E-02
(3S+,3S+)	F0	1.6934882E+00					
(3S+,3P-)	F0	1.6900326E+00	G1	1.1111731E+00			
(3S+,3P+)	F0	1.6735584E+00	G1	1.1050346E+00			
(3S+,3D-)	F0	1.6644843E+00	G2	7.2441152E-01			
(3S+,3D+)	F0	1.6588544E+00	G2	7.2388541E-01			
(3S+,4S+)	F0	7.4178092E-01	G0	3.7289118E-02			
(3S+,4P-)	F0	6.2540101E-01	G1	3.0756886E-02			
(3S+,4P+)	F0	6.1035234E-01	G1	3.0638954E-02			
(3P-,3P-)	F0	1.6889460E+00					
(3P-,3P+)	F0	1.6721128E+00	G2	8.3550668E-01			
(3P-,3D-)	F0	1.6627044E+00	G1	9.6263889E-01			
(3P-,3D+)	F0	1.6569912E+00	G3	5.9629057E-01			
(3P-,4S+)	F0	7.4160833E-01	G1	4.9711315E-02			

TABLE 1.– CONTINUED

KRYPTON 4P6 Z=36

(3P-,4P-)	F0 6.2549823E-01	G0 2.8817244E-02				
(3P-,4P+)	F0 6.1043305E-01	G2 3.2079356E-02				
(3P+,3P+)	F0 1.6558660E+00	F2 8.2945279E-01				
(3P+,3D-)	F0 1.6456966E+00	F2 7.8833904E-01	G1 9.4488840E-01	G3 5.8814153E-01		
(3P+,3D+)	F0 1.6401640E+00	F2 7.8675119E-01	G1 9.4490731E-01	G3 5.8801499E-01		
(3P+,4S+)	F0 7.4007319E-01	G1 5.0213419E-02				
(3P+,4P-)	F0 6.2442404E-01	G2 3.3256358E-02				
(3P+,4P+)	F0 6.0941288E-01	F2 1.1448692E-01	G0 2.7704175E-02	G2 3.2071673E-02		
(3D-,3D-)	F0 1.6536745E+00	F2 7.9320768E-01				
(3D-,3D+)	F0 1.6477747E+00	F2 7.9064855E-01	G2 7.8884102E-01	G4 4.9668071E-01		
(3D-,4S+)	F0 7.3875626E-01	G2 6.0700226E-02				
(3D-,4P-)	F0 6.2365509E-01	G1 4.0508277E-02				
(3D-,4P+)	F0 6.0868569E-01	F2 1.1748393E-01	G1 3.7889344E-02	G3 3.5046620E-02		
(3D+,3D+)	F0 1.6419402E+00	F2 7.8815689E-01	F4 4.9624094E-01			
(3D+,4S+)	F0 7.3818155E-01	G2 6.1434374E-02				
(3D+,4P-)	F0 6.2326183E-01	G3 3.7674527E-02				
(3D+,4P+)	F0 6.0831339E-01	F2 1.1830727E-01	G1 3.8294673E-02	G3 3.5491711E-02		
(4S+,4S+)	F0 5.7452748E-01					
(4S+,4P-)	F0 5.1464321E-01	G1 3.3615162E-01				
(4S+,4P+)	F0 5.0619332E-01	G1 3.2574080E-01				
(4P-,4P-)	F0 4.6983801E-01					
(4P-,4P+)	F0 4.6337944E-01	G2 2.3560774E-01				
(4P+,4P+)	F0 4.5718808E-01	F2 2.3248949E-01				

RUBIDIUM 5S1 Z=37

(1S+,1S+)	F0 2.3341460E+01	
(1S+,2S+)	F0 7.1878002E+00	G0 7.0423950E-01
(1S+,2P-)	F0 8.2205583E+00	G1 1.4413611E+00
(1S+,2P+)	F0 7.9664107E+00	G1 1.3897923E+00
(1S+,3S+)	F0 2.6056771E+00	G0 1.0724493E-01
(1S+,3P-)	F0 2.6694669E+00	G1 2.0416103E-01
(1S+,3P+)	F0 2.6034260E+00	G1 1.9849470E-01
(1S+,3D-)	F0 2.3997874E+00	G2 6.3203315E-03
(1S+,3D+)	F0 2.3803465E+00	G2 6.3622520E-03
(1S+,4S+)	F0 8.9690642E-01	G0 1.3880976E-02
(1S+,4P-)	F0 7.7791181E-01	G1 1.9865684E-02
(1S+,4P+)	F0 7.5820772E-01	G1 1.9133665E-02
(1S+,5S+)	F0 2.3596258E-01	G0 8.0522334E-04
(2S+,2S+)	F0 5.0868228E+00	
(2S+,2P-)	F0 5.4358454E+00	G1 3.0437009E+00
(2S+,2P+)	F0 5.3776735E+00	G1 3.0652784E+00
(2S+,3S+)	F0 2.2985268E+00	G0 1.6370524E-01
(2S+,3P-)	F0 2.3232742E+00	G1 1.5365728E-01
(2S+,3P+)	F0 2.2812272E+00	G1 1.4801300E-01
(2S+,3D-)	F0 2.3326009E+00	G2 4.1717263E-01
(2S+,3D+)	F0 2.3160981E+00	G2 4.1030460E-01
(2S+,4S+)	F0 8.5718768E-01	G0 1.8993712E-02
(2S+,4P-)	F0 7.4455455E-01	G1 1.4000435E-02
(2S+,4P+)	F0 7.2748368E-01	G1 1.3327513E-02
(2S+,5S+)	F0 2.3365866E-01	G0 1.0894083E-03
(2P-,2P-)	F0 5.9906431E+00	

TABLE 1.– CONTINUED

RUBIDIUM 5S1 Z=37

(2P-,2P+)	F0	5.9086031E+00	G2	2.7561919E+00				
(2P-,3S+)	F0	2.3438284E+00	G1	2.0057719E-01				
(2P-,3P-)	F0	2.3843992E+00	G0	2.0055944E-01				
(2P-,3P+)	F0	2.3401852E+00	G2	2.0339854E-01				
(2P-,3D-)	F0	2.3531036E+00	G1	4.3376495E-01				
(2P-,3D+)	F0	2.3358095E+00	G3	2.4132020E-01				
(2P-,4S+)	F0	8.6297501E-01	G1	2.4033018E-02				
(2P-,4P-)	F0	7.5037855E-01	G0	1.7762553E-02				
(2P-,4P+)	F0	7.3304620E-01	G2	1.8558032E-02				
(2P-,5S+)	F0	2.3399393E-01	G1	1.3829563E-03				
(2P+,2P+)	F0	5.8305393E+00	F2	2.7620114E+00				
(2P+,3S+)	F0	2.3360929E+00	G1	1.9957121E-01				
(2P+,3P-)	F0	2.3751017E+00	G2	2.0674822E-01				
(2P+,3P+)	F0	2.3313233E+00	F2	4.9697683E-01	G0	1.9251479E-01	G2	2.0509305E-01
(2P+,3D-)	F0	2.3497324E+00	F2	5.5425237E-01	G1	4.5055675E-01	G3	2.5725977E-01
(2P+,3D+)	F0	2.3325593E+00	F2	5.4479060E-01	G1	4.4499406E-01	G3	2.5410894E-01
(2P+,4S+)	F0	8.6198348E-01	G1	2.3855804E-02				
(2P+,4P-)	F0	7.4948927E-01	G2	1.9018494E-02				
(2P+,4P+)	F0	7.3220727E-01	F2	4.9141011E-02	G0	1.6864161E-02	G2	1.8695839E-02
(2P+,5S+)	F0	2.3393647E-01	G1	1.3724359E-03				
(3S+,3S+)	F0	1.7587895E+00						
(3S+,3P-)	F0	1.7583479E+00	G1	1.1552729E+00				
(3S+,3P+)	F0	1.7405926E+00	G1	1.1490990E+00				
(3S+,3D-)	F0	1.7430058E+00	G2	7.5712737E-01				
(3S+,3D+)	F0	1.7370876E+00	G2	7.5690611E-01				
(3S+,4S+)	F0	7.9516593E-01	G0	4.1801949E-02				
(3S+,4P-)	F0	6.9577092E-01	G1	3.7320385E-02				
(3S+,4P+)	F0	6.8105146E-01	G1	3.7477923E-02				
(3S+,5S+)	F0	2.3009193E-01	G0	2.2203192E-03				
(3P-,3P-)	F0	1.7605244E+00						
(3P-,3P+)	F0	1.7422665E+00	G2	8.7105583E-01				
(3P-,3D-)	F0	1.7445168E+00	G1	1.0073855E+00				
(3P-,3D+)	F0	1.7384704E+00	G3	6.2645582E-01				
(3P-,4S+)	F0	7.9529568E-01	G1	5.5610792E-02				
(3P-,4P-)	F0	6.9614265E-01	G0	3.5092779E-02				
(3P-,4P+)	F0	6.8139245E-01	G2	3.9557624E-02				
(3P-,5S+)	F0	2.3010004E-01	G1	2.9839563E-03				
(3P+,3P+)	F0	1.7246754E+00	F2	8.6462553E-01				
(3P+,3D-)	F0	1.7257493E+00	F2	8.2794321E-01	G1	9.8703417E-01	G3	6.1681975E-01
(3P+,3D+)	F0	1.7199062E+00	F2	8.2644332E-01	G1	9.8747236E-01	G3	6.1695185E-01
(3P+,4S+)	F0	7.9348787E-01	G1	5.6116665E-02				
(3P+,4P-)	F0	6.9475781E-01	G2	4.0681389E-02				
(3P+,4P+)	F0	6.8006830E-01	F2	1.3756669E-01	G0	3.3962594E-02	G2	3.9532084E-02
(3P+,5S+)	F0	2.2999698E-01	G1	2.9981522E-03				
(3D-,3D-)	F0	1.7473884E+00	F2	8.4270617E-01				
(3D-,3D+)	F0	1.7410215E+00	F2	8.3998470E-01	G2	8.3787656E-01	G4	5.2854533E-01
(3D-,4S+)	F0	7.9338974E-01	G2	6.5200899E-02				
(3D-,4P-)	F0	6.9481067E-01	G1	4.7540365E-02				
(3D-,4P+)	F0	6.8011819E-01	F2	1.3873677E-01	G1	4.4857713E-02	G3	4.1974822E-02
(3D-,5S+)	F0	2.2999604E-01	G2	3.3266474E-03				
(3D+,3D+)	F0	1.7347283E+00	F2	8.3734032E-01	F4	5.2820427E-01		
(3D+,4S+)	F0	7.9273766E-01	G2	6.5950747E-02				
(3D+,4P-)	F0	6.9432017E-01	G3	4.4730935E-02				
(3D+,4P+)	F0	6.7965045E-01	F2	1.3968939E-01	G1	4.5286023E-02	G3	4.2375133E-02
(3D+,5S+)	F0	2.2995909E-01	G2	3.3540943E-03				

TABLE 1.– CONTINUED

RUBIDIUM 5S1 Z=37

(4S+,4S+)	F0	6.1880806E-01		
(4S+,4P-)	F0	5.6868054E-01	G1	3.7845380E-01
(4S+,4P+)	F0	5.6074914E-01	G1	3.6875504E-01
(4S+,5S+)	F0	2.2111215E-01	G0	7.0770704E-03
(4P-,4P-)	F0	5.2922155E-01		
(4P-,4P+)	F0	5.2291062E-01	G2	2.7021003E-01
(4P-,5S+)	F0	2.1876846E-01	G1	1.2769032E-02
(4P+,4P+)	F0	5.1684953E-01	F2	2.6730345E-01
(4P+,5S+)	F0	2.1838005E-01	G1	1.3686485E-02

STRONTIUM 5S2 Z=38

(1S+,1S+)	F0	2.4019357E+01				
(1S+,2S+)	F0	7.4144973E+00	G0	7.2979486E-01		
(1S+,2P-)	F0	8.4868423E+00	G1	1.4915192E+00		
(1S+,2P+)	F0	8.2098924E+00	G1	1.4355432E+00		
(1S+,3S+)	F0	2.7049543E+00	G0	1.1273175E-01		
(1S+,3P-)	F0	2.7801788E+00	G1	2.1525708E-01		
(1S+,3P+)	F0	2.7083812E+00	G1	2.0917076E-01		
(1S+,3D-)	F0	2.5184914E+00	G2	6.9034760E-03		
(1S+,3D+)	F0	2.4973387E+00	G2	6.9567360E-03		
(1S+,4S+)	F0	9.6315987E-01	G0	1.5835677E-02		
(1S+,4P-)	F0	8.5786688E-01	G1	2.3986342E-02		
(1S+,4P+)	F0	8.3674243E-01	G1	2.3188078E-02		
(1S+,5S+)	F0	2.8863130E-01	G0	1.3245583E-03		
(2S+,2S+)	F0	5.2457055E+00				
(2S+,2P-)	F0	5.6081591E+00	G1	3.1346950E+00		
(2S+,2P+)	F0	5.5447913E+00	G1	3.1584222E+00		
(2S+,3S+)	F0	2.3830549E+00	G0	1.7107680E-01		
(2S+,3P-)	F0	2.4153622E+00	G1	1.6140587E-01		
(2S+,3P+)	F0	2.3699744E+00	G1	1.5519231E-01		
(2S+,3D-)	F0	2.4457734E+00	G2	4.4845708E-01		
(2S+,3D+)	F0	2.4279456E+00	G2	4.4092083E-01		
(2S+,4S+)	F0	9.1797823E-01	G0	2.1471239E-02		
(2S+,4P-)	F0	8.1762399E-01	G1	1.6794869E-02		
(2S+,4P+)	F0	7.9964726E-01	G1	1.6020778E-02		
(2S+,5S+)	F0	2.8485229E-01	G0	1.7720387E-03		
(2P-,2P-)	F0	6.1851832E+00				
(2P-,2P+)	F0	6.0956545E+00	G2	2.8416219E+00		
(2P-,3S+)	F0	2.4308001E+00	G1	2.0939930E-01		
(2P-,3P-)	F0	2.4801161E+00	G0	2.1065382E-01		
(2P-,3P+)	F0	2.4323539E+00	G2	2.1344232E-01		
(2P-,3D-)	F0	2.4681478E+00	G1	4.6555975E-01		
(2P-,3D+)	F0	2.4494197E+00	G3	2.5887438E-01		
(2P-,4S+)	F0	9.2459616E-01	G1	2.7168027E-02		
(2P-,4P-)	F0	8.2468347E-01	G0	2.1277820E-02		
(2P-,4P+)	F0	8.0640924E-01	G2	2.2339636E-02		
(2P-,5S+)	F0	2.8540498E-01	G1	2.2508898E-03		
(2P+,2P+)	F0	6.0107090E+00	F2	2.8482980E+00		
(2P+,3S+)	F0	2.4222433E+00	G1	2.0827430E-01		
(2P+,3P-)	F0	2.4697736E+00	G2	2.1699340E-01		
(2P+,3P+)	F0	2.4225161E+00	F2	5.2057297E-01	G0 2.0185324E-01	G2 2.1531941E-01

TABLE 1.– CONTINUED

STRONTIUM 5S2 Z=38

(2P+,3D-)	F0	2.4643095E+00	F2	5.9145227E-01	G1	4.8442884E-01	G3	2.7673152E-01
(2P+,3D+)	F0	2.4457253E+00	F2	5.8103100E-01	G1	4.7841628E-01	G3	2.7332616E-01
(2P+,4S+)	F0	9.2340594E-01	G1	2.6952814E-02				
(2P+,4P-)	F0	8.2355133E-01	G2	2.2800540E-02				
(2P+,4P+)	F0	8.0533900E-01	F2	5.8660663E-02	G0	2.0245400E-02	G2	2.2513990E-02
(2P+,5S+)	F0	2.8530554E-01	G1	2.2324071E-03				
(3S+,3S+)	F0	1.8247345E+00						
(3S+,3P-)	F0	1.8272908E+00	G1	1.1996224E+00				
(3S+,3P+)	F0	1.8081758E+00	G1	1.1934312E+00				
(3S+,3D-)	F0	1.8211441E+00	G2	7.8905137E-01				
(3S+,3D+)	F0	1.8148996E+00	G2	7.8914262E-01				
(3S+,4S+)	F0	8.4838444E-01	G0	4.6403360E-02				
(3S+,4P-)	F0	7.5958412E-01	G1	4.3489812E-02				
(3S+,4P+)	F0	7.4426028E-01	G1	4.3844090E-02				
(3S+,5S+)	F0	2.7908894E-01	G0	3.5062253E-03				
(3P-,3P-)	F0	1.8327548E+00						
(3P-,3P+)	F0	1.8129811E+00	G2	9.0680632E-01				
(3P-,3D-)	F0	1.8260591E+00	G1	1.0513950E+00				
(3P-,3D+)	F0	1.8196384E+00	G3	6.5619202E-01				
(3P-,4S+)	F0	8.4886755E-01	G1	6.1626453E-02				
(3P-,4P-)	F0	7.6030282E-01	G0	4.1041642E-02				
(3P-,4P+)	F0	7.4493213E-01	G2	4.6616574E-02				
(3P-,5S+)	F0	2.7912987E-01	G1	4.7157601E-03				
(3P+,3P+)	F0	1.7939637E+00	F2	8.9998795E-01				
(3P+,3D-)	F0	1.8054337E+00	F2	8.6710232E-01	G1	1.0282664E+00	G3	6.4497682E-01
(3P+,3D+)	F0	1.7992417E+00	F2	8.6569229E-01	G1	1.0291370E+00	G3	6.4537788E-01
(3P+,4S+)	F0	8.4676079E-01	G1	6.2128320E-02				
(3P+,4P-)	F0	7.5859124E-01	G2	4.7757270E-02				
(3P+,4P+)	F0	7.4329132E-01	F2	1.5893358E-01	G0	3.9819139E-02	G2	4.6567618E-02
(3P+,5S+)	F0	2.7895713E-01	G1	4.7311654E-03				
(3D-,3D-)	F0	1.8402559E+00	F2	8.9171141E-01				
(3D-,3D+)	F0	1.8333785E+00	F2	8.8881094E-01	G2	8.8637304E-01	G4	5.6007005E-01
(3D-,4S+)	F0	8.4795584E-01	G2	6.9904710E-02				
(3D-,4P-)	F0	7.5965725E-01	G1	5.4037401E-02				
(3D-,4P+)	F0	7.4430881E-01	F2	1.5810179E-01	G1	5.1213640E-02	G3	4.8356824E-02
(3D-,5S+)	F0	2.7906165E-01	G2	5.1164026E-03				
(3D+,3D+)	F0	1.8265847E+00	F2	8.8599857E-01	F4	5.5983713E-01		
(3D+,4S+)	F0	8.4721729E-01	G2	7.0673482E-02				
(3D+,4P-)	F0	7.5906605E-01	G3	5.1312543E-02				
(3D+,4P+)	F0	7.4374337E-01	F2	1.5917691E-01	G1	5.1655120E-02	G3	4.8796916E-02
(3D+,5S+)	F0	2.7900138E-01	G2	5.1554797E-03				
(4S+,4S+)	F0	6.6281445E-01						
(4S+,4P-)	F0	6.1821408E-01	G1	4.1552889E-01				
(4S+,4P+)	F0	6.1010693E-01	G1	4.0580432E-01				
(4S+,5S+)	F0	2.6550835E-01	G0	1.0285888E-02				
(4P-,4P-)	F0	5.8186746E-01						
(4P-,4P+)	F0	5.7521905E-01	G2	2.9946756E-01				
(4P-,5S+)	F0	2.6257674E-01	G1	1.7084640E-02				
(4P+,4P+)	F0	5.6883344E-01	F2	2.9647070E-01				
(4P+,5S+)	F0	2.6202791E-01	G1	1.8090350E-02				
(5S+,5S+)	F0	2.0490991E-01						

TABLE 1.– CONTINUED

YTTRIUM 4D1 Z=39

(1S+,1S+)	F0	2.4700609E+01						
(1S+,2S+)	F0	7.6427026E+00	G0	7.5568769E-01				
(1S+,2P-)	F0	8.7550963E+00	G1	1.5418932E+00				
(1S+,2P+)	F0	8.4539234E+00	G1	1.4812595E+00				
(1S+,3S+)	F0	2.8052287E+00	G0	1.1834602E-01				
(1S+,3P-)	F0	2.8919179E+00	G1	2.2651783E-01				
(1S+,3P+)	F0	2.8140014E+00	G1	2.1999515E-01				
(1S+,3D-)	F0	2.6363108E+00	G2	7.4957644E-03				
(1S+,3D+)	F0	2.6133027E+00	G2	7.5616910E-03				
(1S+,4S+)	F0	1.0247191E+00	G0	1.7694201E-02				
(1S+,4P-)	F0	9.2716865E-01	G1	2.7669930E-02				
(1S+,4P+)	F0	9.0386957E-01	G1	2.6769313E-02				
(1S+,4D-)	F0	5.0699681E-01	G2	3.2403314E-04				
(1S+,5S+)	F0	3.1632665E-01	G0	1.5917644E-03				
(2S+,2S+)	F0	5.4054670E+00						
(2S+,2P-)	F0	5.7814831E+00	G1	3.2259548E+00				
(2S+,2P+)	F0	5.7125898E+00	G1	3.2519694E+00				
(2S+,3S+)	F0	2.4682833E+00	G0	1.7857171E-01				
(2S+,3P-)	F0	2.5081151E+00	G1	1.6926345E-01				
(2S+,3P+)	F0	2.4591962E+00	G1	1.6244190E-01				
(2S+,3D-)	F0	2.5580153E+00	G2	4.7972645E-01				
(2S+,3D+)	F0	2.5387511E+00	G2	4.7147624E-01				
(2S+,4S+)	F0	9.7437579E-01	G0	2.3780536E-02				
(2S+,4P-)	F0	8.8076987E-01	G1	1.9257998E-02				
(2S+,4P+)	F0	8.6119637E-01	G1	1.8353574E-02				
(2S+,4D-)	F0	5.0375670E-01	G2	1.8026570E-02				
(2S+,5S+)	F0	3.1179790E-01	G0	2.1079927E-03				
(2P-,2P-)	F0	6.3809860E+00						
(2P-,2P+)	F0	6.2834837E+00	G2	2.9271325E+00				
(2P-,3S+)	F0	2.5185274E+00	G1	2.1834459E-01				
(2P-,3P-)	F0	2.5765792E+00	G0	2.2090728E-01				
(2P-,3P+)	F0	2.5250644E+00	G2	2.2359861E-01				
(2P-,3D-)	F0	2.5822944E+00	G1	4.9728778E-01				
(2P-,3D+)	F0	2.5620112E+00	G3	2.7634452E-01				
(2P-,4S+)	F0	9.8178646E-01	G1	3.0087041E-02				
(2P-,4P-)	F0	8.8894568E-01	G0	2.4368371E-02				
(2P-,4P+)	F0	8.6902689E-01	G2	2.5627381E-02				
(2P-,4D-)	F0	5.0475377E-01	G1	1.8865506E-02				
(2P-,5S+)	F0	3.1246343E-01	G1	2.6783974E-03				
(2P+,2P+)	F0	6.1912462E+00	F2	2.9347442E+00				
(2P+,3S+)	F0	2.5090855E+00	G1	2.1709156E-01				
(2P+,3P-)	F0	2.5651083E+00	G2	2.2735713E-01				
(2P+,3P+)	F0	2.5141761E+00	F2	5.4440537E-01	G0	2.1129882E-01	G2	2.2567079E-01
(2P+,3D-)	F0	2.5779514E+00	F2	6.2856519E-01	G1	5.1837358E-01	G3	2.9625495E-01
(2P+,3D+)	F0	2.5578381E+00	F2	6.1711155E-01	G1	5.1188443E-01	G3	2.9257997E-01
(2P+,4S+)	F0	9.8038874E-01	G1	2.9831734E-02				
(2P+,4P-)	F0	8.8756997E-01	G2	2.6126051E-02				
(2P+,4P+)	F0	8.6772761E-01	F2	6.6915088E-02	G0	2.3166727E-02	G2	2.5837327E-02
(2P+,4D-)	F0	5.0457785E-01	F2	2.4833755E-02	G1	1.9540265E-02	G3	1.1294178E-02
(2P+,5S+)	F0	3.1233785E-01	G1	2.6547750E-03				
(3S+,3S+)	F0	1.8912243E+00						
(3S+,3P-)	F0	1.8967553E+00	G1	1.2441715E+00				
(3S+,3P+)	F0	1.8762004E+00	G1	1.2379813E+00				
(3S+,3D-)	F0	1.8989019E+00	G2	8.2032169E-01				
(3S+,3D+)	F0	1.8922910E+00	G2	8.2073416E-01				

YTTRIUM 401 Z=39

TABLE 1.– CONTINUED

(3S+,4S+)	F0	8.9784418E-01	G0	5.0550165E-02				
(3S+,4P-)	F0	8.1473355E-01	G1	4.8588283E-02				
(3S+,4P+)	F0	7.9820087E-01	G1	4.9038179E-02				
(3S+,4D-)	F0	4.8130448E-01	G2	1.2031066E-02				
(3S+,5S+)	F0	3.0498624E-01	G0	4.0764509E-03				
(3P-,3P-)	F0	1.9055194E+00						
(3P-,3P+)	F0	1.8841368E+00	G2	9.4270829E-01				
(3P-,3D-)	F0	1.9073028E+00	G1	1.0948067E+00				
(3P-,3D+)	F0	1.9004639E+00	G3	6.8556452E-01				
(3P-,4S+)	F0	8.9871811E-01	G1	6.7033400E-02				
(3P-,4P-)	F0	8.1584206E-01	G0	4.6026910E-02				
(3P-,4P+)	F0	7.9924375E-01	G2	5.2472485E-02				
(3P-,4D-)	F0	4.8163491E-01	G1	1.3935615E-02				
(3P-,5S+)	F0	3.0506485E-01	G1	5.4841680E-03				
(3P+,3P+)	F0	1.8636101E+00	F2	9.3549172E-01				
(3P+,3D-)	F0	1.8847206E+00	F2	9.0586454E-01	G1	1.0687245E+00	G3	6.7267918E-01
(3P+,3D+)	F0	1.8781390E+00	F2	9.0453741E-01	G1	1.0700429E+00	G3	6.7336049E-01
(3P+,4S+)	F0	8.9631186E-01	G1	6.7521270E-02				
(3P+,4P-)	F0	8.1381882E-01	G2	5.3706177E-02				
(3P+,4P+)	F0	7.9730488E-01	F2	1.7684851E-01	G0	4.4642588E-02	G2	5.2397212E-02
(3P+,4D-)	F0	4.8097034E-01	F2	6.0590245E-02	G1	1.3285493E-02	G3	1.2356586E-02
(3P+,5S+)	F0	3.0485295E-01	G1	5.4957014E-03				
(3D-,3D-)	F0	1.9322316E+00	F2	9.4019864E-01				
(3D-,3D+)	F0	1.9247969E+00	F2	9.3710091E-01	G2	9.3430367E-01	G4	5.9123497E-01
(3D-,4S+)	F0	8.9883016E-01	G2	7.4041923E-02				
(3D-,4P-)	F0	8.1599274E-01	G1	5.9289825E-02				
(3D-,4P+)	F0	7.9938030E-01	F2	1.7400789E-01	G1	5.6265429E-02	G3	5.3485546E-02
(3D-,4D-)	F0	4.8256650E-01	F2	6.2064802E-02	G0	1.9238154E-02	G2	2.0700498E-02
(3D-,5S+)	F0	3.0508130E-01	G2	5.8343821E-03				
(3D+,3D+)	F0	1.9174570E+00	F2	9.3410394E-01	F4	5.9111908E-01		
(3D+,4S+)	F0	8.9800430E-01	G2	7.4827219E-02				
(3D+,4P-)	F0	8.1530664E-01	G3	5.6693192E-02				
(3D+,4P+)	F0	7.9872413E-01	F2	1.7519634E-01	G1	5.6710400E-02	G3	5.3957120E-02
(3D+,4D-)	F0	4.8233619E-01	F2	6.2490286E-02	G2	2.0624909E-02	G4	1.5314037E-02
(3D+,5S+)	F0	3.0500881E-01	G2	5.8767793E-03				
(4S+,4S+)	F0	7.0317360E-01						
(4S+,4P-)	F0	6.6134777E-01	G1	4.4656243E-01				
(4S+,4P+)	F0	6.5268126E-01	G1	4.3639392E-01				
(4S+,4D-)	F0	4.3826059E-01	G2	1.3681362E-01				
(4S+,5S+)	F0	2.8965622E-01	G0	1.1497036E-02				
(4P-,4P-)	F0	6.2651529E-01						
(4P-,4P+)	F0	6.1926636E-01	G2	3.2318356E-01				
(4P-,4D-)	F0	4.2693060E-01	G1	2.0692035E-01				
(4P-,5S+)	F0	2.8671739E-01	G1	1.8446671E-02				
(4P+,4P+)	F0	6.1231187E-01	F2	3.1996299E-01				
(4P+,4D-)	F0	4.2453857E-01	F2	1.8102769E-01	G1	2.1124730E-01	G3	1.2699686E-01
(4P+,5S+)	F0	2.8609335E-01	G1	1.9473723E-02				
(4D-,5S+)	F0	2.5696289E-01	G2	7.9855852E-02				
(5S+,5S+)	F0	2.2416196E-01						

TABLE 1.– CONTINUED

ZIRCONIUM 4D2 Z=40

(1S+,1S+)	F0	2.5385288E+01				
(1S+,2S+)	F0	7.8724009E+00	G0	7.8191847E-01		
(1S+,2P-)	F0	9.0252899E+00	G1	1.5924448E+00		
(1S+,2P+)	F0	8.6984224E+00	G1	1.5268958E+00		
(1S+,3S+)	F0	2.9063167E+00	G0	1.2407350E-01		
(1S+,3P-)	F0	3.0044433E+00	G1	2.3790041E-01		
(1S+,3P+)	F0	2.9200119E+00	G1	2.3092144E-01		
(1S+,3D-)	F0	2.7531200E+00	G2	8.0939141E-03		
(1S+,3D+)	F0	2.7281174E+00	G2	8.1739423E-03		
(1S+,4S+)	F0	1.0833753E+00	G0	1.9490887E-02		
(1S+,4P-)	F0	9.9137457E-01	G1	3.1137987E-02		
(1S+,4P+)	F0	9.6555592E-01	G1	3.0117518E-02		
(1S+,4D-)	F0	5.9229693E-01	G2	4.5694682E-04		
(1S+,5S+)	F0	3.3602053E-01	G0	1.7715735E-03		
(2S+,2S+)	F0	5.5660885E+00				
(2S+,2P-)	F0	5.9557919E+00	G1	3.3174705E+00		
(2S+,2P+)	F0	5.8810304E+00	G1	3.3459131E+00		
(2S+,3S+)	F0	2.5540691E+00	G0	1.8616940E-01		
(2S+,3P-)	F0	2.6013498E+00	G1	1.7720242E-01		
(2S+,3P+)	F0	2.5486860E+00	G1	1.6973152E-01		
(2S+,3D-)	F0	2.6692256E+00	G2	5.1035731E-01		
(2S+,3D+)	F0	2.6484178E+00	G2	5.0185061E-01		
(2S+,4S+)	F0	1.0280706E+00	G0	2.5974587E-02		
(2S+,4P-)	F0	9.3917150E-01	G1	2.1552346E-02		
(2S+,4P+)	F0	9.1770461E-01	G1	2.0500278E-02		
(2S+,4D-)	F0	5.8777812E-01	G2	2.4787256E-02		
(2S+,5S+)	F0	3.3099379E-01	G0	2.3239629E-03		
(2P-,2P-)	F0	6.5780132E+00				
(2P-,2P+)	F0	6.4720334E+00	G2	3.0126831E+00		
(2P-,3S+)	F0	2.6068603E+00	G1	2.2738585E-01		
(2P-,3P-)	F0	2.6735933E+00	G0	2.3128849E-01		
(2P-,3P+)	F0	2.6180966E+00	G2	2.3382661E-01		
(2P-,3D-)	F0	2.6954333E+00	G1	5.2882834E-01		
(2P-,3D+)	F0	2.6734779E+00	G3	2.9366188E-01		
(2P-,4S+)	F0	1.0362499E+00	G1	3.2855805E-02		
(2P-,4P-)	F0	9.4840892E-01	G0	2.7243094E-02		
(2P-,4P+)	F0	9.2654203E-01	G2	2.8662787E-02		
(2P-,4D-)	F0	5.8917782E-01	G1	2.5937153E-02		
(2P-,5S+)	F0	3.3173589E-01	G1	2.9530418E-03		
(2P+,2P+)	F0	6.3720814E+00	F2	3.0213132E+00		
(2P+,3S+)	F0	2.5964676E+00	G1	2.2599572E-01		
(2P+,3P-)	F0	2.6609083E+00	G2	2.3780245E-01		
(2P+,3P+)	F0	2.6060819E+00	F2	5.6838661E-01	G0 2.2081531E-01	G2 2.3610626E-01
(2P+,3D-)	F0	2.6905473E+00	F2	6.6549252E-01	G1 5.5227053E-01	G3 3.1575980E-01
(2P+,3D+)	F0	2.6687916E+00	F2	6.5293600E-01	G1 5.4528164E-01	G3 3.1180221E-01
(2P+,4S+)	F0	1.0346335E+00	G1	3.2558007E-02		
(2P+,4P-)	F0	9.4677965E-01	G2	2.9215681E-02		
(2P+,4P+)	F0	9.2500632E-01	F2	7.4533872E-02	G0 2.5851187E-02	G2 2.8908946E-02
(2P+,4D-)	F0	5.8892062E-01	F2	3.3700139E-02	G1 2.6891539E-02	G3 1.5564748E-02
(2P+,5S+)	F0	3.3158916E-01	G1	2.9251704E-03		
(3S+,3S+)	F0	1.9581206E+00				
(3S+,3P-)	F0	1.9665838E+00	G1	1.2888111E+00		
(3S+,3P+)	F0	1.9444975E+00	G1	1.2826309E+00		
(3S+,3D-)	F0	1.9762058E+00	G2	8.5098219E-01		
(3S+,3D+)	F0	1.9691896E+00	G2	8.5172325E-01		

TABLE 1.– CONTINUED

ZIRCONIUM 4D2 Z=40

(3S+,4S+)	F0	9.4504386E-01	G0	5.4397175E-02			
(3S+,4P-)	F0	8.6580310E-01	G1	5.3124936E-02			
(3S+,4P+)	F0	8.4781093E-01	G1	5.3628595E-02			
(3S+,4D-)	F0	5.5737461E-01	G2	1.5660133E-02			
(3S+,5S+)	F0	3.2353088E-01	G0	4.4085577E-03			
(3P-,3P-)	F0	1.9786370E+00					
(3P-,3P+)	F0	1.9555411E+00	G2	9.7863902E-01			
(3P-,3D-)	F0	1.9881331E+00	G1	1.1376405E+00			
(3P-,3D+)	F0	1.9808335E+00	G3	7.1455287E-01			
(3P-,4S+)	F0	9.4633329E-01	G1	7.2039035E-02			
(3P-,4P-)	F0	8.6733194E-01	G0	5.0517520E-02			
(3P-,4P+)	F0	8.4925253E-01	G2	5.7704312E-02			
(3P-,4D-)	F0	5.5793281E-01	G1	1.8060167E-02			
(3P-,5S+)	F0	3.2364738E-01	G1	5.9313755E-03			
(3P+,3P+)	F0	1.9334122E+00	F2	9.7100999E-01			
(3P+,3D-)	F0	1.9634844E+00	F2	9.4416926E-01	G1	1.1084247E+00	G3 6.9990387E-01
(3P+,3D+)	F0	1.9564742E+00	F2	9.4292119E-01	G1	1.1102054E+00	G3 7.0087619E-01
(3P+,4S+)	F0	9.4362094E-01	G1	7.2507854E-02			
(3P+,4P-)	F0	8.6499556E-01	G2	5.9064125E-02			
(3P+,4P+)	F0	8.4701668E-01	F2	1.9304696E-01	G0	4.8939113E-02	G2 5.7600629E-02
(3P+,4D-)	F0	5.5700189E-01	F2	7.9271970E-02	G1	1.7245637E-02	G3 1.6398320E-02
(3P+,5S+)	F0	3.2340626E-01	G1	5.9379492E-03			
(3D-,3D-)	F0	2.0231844E+00	F2	9.8806087E-01			
(3D-,3D+)	F0	2.0151471E+00	F2	9.8474784E-01	G2	9.8156146E-01	G4 6.2195995E-01
(3D-,4S+)	F0	9.4745606E-01	G2	7.7873936E-02			
(3D-,4P-)	F0	8.6831552E-01	G1	6.3963891E-02			
(3D-,4P+)	F0	8.5018312E-01	F2	1.8825057E-01	G1	6.0708526E-02	G3 5.8008660E-02
(3D-,4D-)	F0	5.5952096E-01	F2	8.0503523E-02	G0	2.5320494E-02	G2 2.7617349E-02
(3D-,5S+)	F0	3.2375341E-01	G2	6.2144526E-03			
(3D+,3D+)	F0	2.0072171E+00	F2	9.8154992E-01	F4	6.2197014E-01	
(3D+,4S+)	F0	9.4653990E-01	G2	7.8677372E-02			
(3D+,4P-)	F0	8.6753405E-01	G3	6.1496575E-02			
(3D+,4P+)	F0	8.4943659E-01	F2	1.8955336E-01	G1	6.1155212E-02	G3 5.8510412E-02
(3D+,4D-)	F0	5.5920014E-01	F2	8.1044634E-02	G2	2.7503382E-02	G4 2.0524953E-02
(3D+,5S+)	F0	3.2367214E-01	G2	6.2580635E-03			
(4S+,4S+)	F0	7.4145953E-01					
(4S+,4P-)	F0	7.0143913E-01	G1	4.7488216E-01			
(4S+,4P+)	F0	6.9206798E-01	G1	4.6412690E-01			
(4S+,4D-)	F0	5.0053517E-01	G2	1.7373184E-01			
(4S+,5S+)	F0	3.0731433E-01	G0	1.2134428E-02			
(4P-,4P-)	F0	6.6757152E-01					
(4P-,4P+)	F0	6.5961486E-01	G2	3.4452100E-01			
(4P-,4D-)	F0	4.8721630E-01	G1	2.5470771E-01			
(4P-,5S+)	F0	3.0447790E-01	G1	1.9049738E-02			
(4P+,4P+)	F0	6.5199339E-01	F2	3.4103335E-01			
(4P+,4D-)	F0	4.8406265E-01	F2	2.1664418E-01	G1	2.5928570E-01	G3 1.5560749E-01
(4P+,5S+)	F0	3.0379888E-01	G1	2.0093013E-02			
(4D-,4D-)	F0	3.9629265E-01	F2	1.8859967E-01			
(4D-,5S+)	F0	2.8032068E-01	G2	7.5836949E-02			
(5S+,5S+)	F0	2.3774245E-01					

TABLE 1.– CONTINUED

NIOBIUM 4D4 5S1 Z=41

(1S+,1S+)	F0	2.6073560E+01						
(1S+,2S+)	F0	8.1036700E+00	G0	8.0850302E-01				
(1S+,2P-)	F0	9.2975672E+00	G1	1.6432063E+00				
(1S+,2P+)	F0	8.9434671E+00	G1	1.5724741E+00				
(1S+,3S+)	F0	3.0080945E+00	G0	1.2990116E-01				
(1S+,3P-)	F0	3.1176150E+00	G1	2.4936934E-01				
(1S+,3P+)	F0	3.0262618E+00	G1	2.4191446E-01				
(1S+,3D-)	F0	2.8689408E+00	G2	8.6951882E-03				
(1S+,3D+)	F0	2.8418012E+00	G2	8.7907614E-03				
(1S+,4S+)	F0	1.1370099E+00	G0	2.1123845E-02				
(1S+,4P-)	F0	1.0468466E+00	G1	3.4077964E-02				
(1S+,4P+)	F0	1.0178096E+00	G1	3.2892462E-02				
(1S+,4D-)	F0	6.2283331E-01	G2	5.1327452E-04				
(1S+,5S+)	F0	3.3442952E-01	G0	1.6631179E-03				
(2S+,2S+)	F0	5.7276132E+00						
(2S+,2P-)	F0	6.1311479E+00	G1	3.4092524E+00				
(2S+,2P+)	F0	6.0501588E+00	G1	3.4402692E+00				
(2S+,3S+)	F0	2.6403274E+00	G0	1.9385254E-01				
(2S+,3P-)	F0	2.6949767E+00	G1	1.8520181E-01				
(2S+,3P+)	F0	2.6383473E+00	G1	1.7703935E-01				
(2S+,3D-)	F0	2.7794456E+00	G2	5.4176016E-01				
(2S+,3D+)	F0	2.7569840E+00	G2	5.3195253E-01				
(2S+,4S+)	F0	1.0772303E+00	G0	2.7924727E-02				
(2S+,4P-)	F0	9.8970985E-01	G1	2.3469412E-02				
(2S+,4P+)	F0	9.6571227E-01	G1	2.2238391E-02				
(2S+,4D-)	F0	6.1780714E-01	G2	2.7224200E-02				
(2S+,5S+)	F0	3.2972289E-01	G0	2.1634525E-03				
(2P-,2P-)	F0	6.7763608E+00						
(2P-,2P+)	F0	6.6613740E+00	G2	3.0982909E+00				
(2P-,3S+)	F0	2.6957097E+00	G1	2.3649891E-01				
(2P-,3P-)	F0	2.7710617E+00	G0	2.4177210E-01				
(2P-,3P+)	F0	2.7113462E+00	G2	2.4409501E-01				
(2P-,3D-)	F0	2.8075997E+00	G1	5.6008527E-01				
(2P-,3D+)	F0	2.7838521E+00	G3	3.1076811E-01				
(2P-,4S+)	F0	1.0861112E+00	G1	3.5310241E-02				
(2P-,4P-)	F0	9.9986103E-01	G0	2.9641298E-02				
(2P-,4P+)	F0	9.7539475E-01	G2	3.1132634E-02				
(2P-,4D-)	F0	6.1937382E-01	G1	2.8482473E-02				
(2P-,5S+)	F0	3.3042083E-01	G1	2.7483863E-03				
(2P+,2P+)	F0	6.5532675E+00	F2	3.1080263E+00				
(2P+,3S+)	F0	2.6842981E+00	G1	2.3496257E-01				
(2P+,3P-)	F0	2.7570739E+00	G2	2.4829848E-01				
(2P+,3P+)	F0	2.6981274E+00	F2	5.9245706E-01	G0	2.3037599E-01	G2	2.4659467E-01
(2P+,3D-)	F0	2.8021319E+00	F2	7.0217826E-01	G1	5.8602610E-01	G3	3.3519040E-01
(2P+,3D+)	F0	2.7786177E+00	F2	6.8844586E-01	G1	5.7851250E-01	G3	3.3093615E-01
(2P+,4S+)	F0	1.0842740E+00	G1	3.4969324E-02				
(2P+,4P-)	F0	9.9798605E-01	G2	3.1786576E-02				
(2P+,4P+)	F0	9.7363430E-01	F2	8.0766616E-02	G0	2.8020944E-02	G2	3.1412626E-02
(2P+,4D-)	F0	6.1907409E-01	F2	3.6842552E-02	G1	2.9562243E-02	G3	1.7131397E-02
(2P+,5S+)	F0	3.3027637E-01	G1	2.7207503E-03				
(3S+,3S+)	F0	2.0253543E+00						
(3S+,3P-)	F0	2.0367078E+00	G1	1.3335122E+00				
(3S+,3P+)	F0	2.0129958E+00	G1	1.3273505E+00				
(3S+,3D-)	F0	2.0530923E+00	G2	8.8115648E-01				
(3S+,3D+)	F0	2.0456323E+00	G2	8.8223509E-01				

TABLE 1.– CONTINUED

NIOBIUM 4D4 5S1 Z=41

(3S+,4S+)	F0	9.8854494E-01	G0	5.7716247E-02			
(3S+,4P-)	F0	9.1035289E-01	G1	5.6675317E-02			
(3S+,4P+)	F0	8.9035961E-01	G1	5.7128892E-02			
(3S+,4D-)	F0	5.8485434E-01	G2	1.6492327E-02			
(3S+,5S+)	F0	3.2281780E-01	G0	4.0495963E-03			
(3P-,3P-)	F0	2.0520351E+00					
(3P-,3P+)	F0	2.0271184E+00	G2	1.0145679E+00			
(3P-,3D-)	F0	2.0685687E+00	G1	1.1900234E+00			
(3P-,3D+)	F0	2.0607660E+00	G3	7.4322452E-01			
(3P-,4S+)	F0	9.9025752E-01	G1	7.6338858E-02			
(3P-,4P-)	F0	9.1230278E-01	G0	5.4104824E-02			
(3P-,4P+)	F0	8.9219646E-01	G2	6.1762346E-02			
(3P-,4D-)	F0	5.8556893E-01	G1	1.8944703E-02			
(3P-,5S+)	F0	3.2295142E-01	G1	5.4451229E-03			
(3P+,3P+)	F0	2.0032923E+00	F2	1.0065132E+00			
(3P+,3D-)	F0	2.0417408E+00	F2	9.8206532E-01	G1	1.1474906E+00	G3 7.2671670E-01
(3P+,3D+)	F0	2.0342632E+00	F2	9.8089357E-01	G1	1.1497507E+00	G3 7.2799224E-01
(3P+,4S+)	F0	9.8724640E-01	G1	7.6784364E-02			
(3P+,4P-)	F0	9.0967541E-01	G2	6.3336173E-02			
(3P+,4P+)	F0	8.8969029E-01	F2	2.0611233E-01	G0	5.2262058E-02	G2 6.1630620E-02
(3P+,4D-)	F0	5.8452357E-01	F2	8.5638292E-02	G1	1.8122481E-02	G3 1.7523413E-02
(3P+,5S+)	F0	3.2271953E-01	G1	5.4472176E-03			
(3D-,3D-)	F0	2.1131614E+00	F2	1.0353289E+00			
(3D-,3D+)	F0	2.1044752E+00	F2	1.0317825E+00	G2	1.0281767E+00	G4 6.5226371E-01
(3D-,4S+)	F0	9.9234675E-01	G2	8.1085218E-02			
(3D-,4P-)	F0	9.1410247E-01	G1	6.7571688E-02			
(3D-,4P+)	F0	8.9390334E-01	F2	1.9948252E-01	G1	6.4312934E-02	G3 6.1402729E-02
(3D-,4D-)	F0	5.8758933E-01	F2	8.6266833E-02	G0	2.6892882E-02	G2 2.9618272E-02
(3D-,5S+)	F0	3.2311723E-01	G2	5.6384020E-03			
(3D+,3D+)	F0	2.0959109E+00	F2	1.0283675E+00	F4	6.5240955E-01	
(3D+,4S+)	F0	9.9134177E-01	G2	8.1906077E-02			
(3D+,4P-)	F0	9.1323256E-01	G3	6.5236954E-02			
(3D+,4P+)	F0	8.9307185E-01	F2	2.0089470E-01	G1	6.4457635E-02	G3 6.1929787E-02
(3D+,4D-)	F0	5.8723038E-01	F2	8.6858218E-02	G2	2.9483017E-02	G4 2.2084604E-02
(3D+,5S+)	F0	3.2303993E-01	G2	5.6774826E-03			
(4S+,4S+)	F0	7.7621991E-01					
(4S+,4P-)	F0	7.3651947E-01	G1	4.9890322E-01			
(4S+,4P+)	F0	7.2613479E-01	G1	4.8722025E-01			
(4S+,4D-)	F0	5.2385830E-01	G2	1.8429664E-01			
(4S+,5S+)	F0	3.0812352E-01	G0	1.1165766E-02			
(4P-,4P-)	F0	7.0259623E-01					
(4P-,4P+)	F0	6.9369646E-01	G2	3.6180251E-01			
(4P-,4D-)	F0	5.1032227E-01	G1	2.6739264E-01			
(4P-,5S+)	F0	3.0566797E-01	G1	1.7425342E-02			
(4P+,4P+)	F0	6.8519190E-01	F2	3.5793376E-01			
(4P+,4D-)	F0	5.0675214E-01	F2	2.2634261E-01	G1	2.7213387E-01	G3 1.6324035E-01
(4P+,5S+)	F0	3.0501089E-01	G1	1.8455784E-02			
(4D-,4D-)	F0	4.1234992E-01	F2	1.9380232E-01			
(4D-,5S+)	F0	2.8202510E-01	G2	7.3303251E-02			

TABLE 1.– CONTINUED

MOLYBDENUM 4D5 5S1 Z=42

(1S+,1S+)	F0	2.6765401E+01				
(1S+,2S+)	F0	8.3364617E+00	G0	8.3543889E-01		
(1S+,2P-)	F0	9.5717843E+00	G1	1.6940902E+00		
(1S+,2P+)	F0	9.1888763E+00	G1	1.6179040E+00		
(1S+,3S+)	F0	3.1106361E+00	G0	1.3584043E-01		
(1S+,3P-)	F0	3.2315558E+00	G1	2.6094644E-01		
(1S+,3P+)	F0	3.1328412E+00	G1	2.5299208E-01		
(1S+,3D-)	F0	2.9842374E+00	G2	9.3017727E-03		
(1S+,3D+)	F0	2.9548142E+00	G2	9.4144836E-03		
(1S+,4S+)	F0	1.1925676E+00	G0	2.2863882E-02		
(1S+,4P-)	F0	1.1063418E+00	G1	3.7346900E-02		
(1S+,4P+)	F0	1.0742563E+00	G1	3.6012639E-02		
(1S+,4D-)	F0	6.8977821E-01	G2	6.3746679E-04		
(1S+,4D+)	F0	6.7879231E-01	G2	6.3440053E-04		
(1S+,5S+)	F0	3.4685129E-01	G0	1.7401761E-03		
(2S+,2S+)	F0	5.8900090E+00				
(2S+,2P-)	F0	6.3074897E+00	G1	3.5012967E+00		
(2S+,2P+)	F0	6.2199038E+00	G1	3.5350353E+00		
(2S+,3S+)	F0	2.7271008E+00	G0	2.0163191E-01		
(2S+,3P-)	F0	2.7890672E+00	G1	1.9327588E-01		
(2S+,3P+)	F0	2.7282347E+00	G1	1.8437738E-01		
(2S+,3D-)	F0	2.8891110E+00	G2	5.7259856E-01		
(2S+,3D+)	F0	2.8648836E+00	G2	5.6194345E-01		
(2S+,4S+)	F0	1.1280308E+00	G0	2.9989472E-02		
(2S+,4P-)	F0	1.0437018E+00	G1	2.5600529E-02		
(2S+,4P+)	F0	1.0173850E+00	G1	2.4190678E-02		
(2S+,4D-)	F0	6.8359309E-01	G2	3.3088232E-02		
(2S+,4D+)	F0	6.7304391E-01	G2	3.2004203E-02		
(2S+,5S+)	F0	3.4193918E-01	G0	2.2445531E-03		
(2P-,2P-)	F0	6.9759147E+00				
(2P-,2P+)	F0	6.8513780E+00	G2	3.1838919E+00		
(2P-,3S+)	F0	2.7851190E+00	G1	2.4569720E-01		
(2P-,3P-)	F0	2.8690597E+00	G0	2.5238152E-01		
(2P-,3P+)	F0	2.8048701E+00	G2	2.5442394E-01		
(2P-,3D-)	F0	2.9192355E+00	G1	5.9124701E-01		
(2P-,3D+)	F0	2.8935730E+00	G3	3.2776858E-01		
(2P-,4S+)	F0	1.1376590E+00	G1	3.7904403E-02		
(2P-,4P-)	F0	1.0548727E+00	G0	3.2310133E-02		
(2P-,4P+)	F0	1.0280195E+00	G2	3.3908395E-02		
(2P-,4D-)	F0	6.8553242E-01	G1	3.4616070E-02		
(2P-,4D+)	F0	6.7486050E-01	G3	1.9137297E-02		
(2P-,5S+)	F0	3.4267061E-01	G1	2.8507089E-03		
(2P+,2P+)	F0	6.7346708E+00	F2	3.1948250E+00		
(2P+,3S+)	F0	2.7726168E+00	G1	2.4400520E-01		
(2P+,3P-)	F0	2.8536756E+00	G2	2.5886835E-01		
(2P+,3P+)	F0	2.7903654E+00	F2	6.1665489E-01	G0	2.3999796E-01	G2	2.5715619E-01
(2P+,3D-)	F0	2.9131441E+00	F2	7.3882358E-01	G1	6.1983796E-01	G3	3.5466117E-01
(2P+,3D+)	F0	2.8877529E+00	F2	7.2383846E-01	G1	6.1177398E-01	G3	3.5009583E-01
(2P+,4S+)	F0	1.1355758E+00	G1	3.7515464E-02		
(2P+,4P-)	F0	1.0527138E+00	G2	3.4640960E-02		
(2P+,4P+)	F0	1.0259983E+00	F2	8.7747470E-02	G0	3.0460484E-02	G2	3.4227784E-02
(2P+,4D-)	F0	6.8514633E-01	F2	4.4444496E-02	G1	3.5966722E-02	G3	2.0867949E-02
(2P+,4D+)	F0	6.7449767E-01	F2	4.2855045E-02	G1	3.5000866E-02	G3	2.0304330E-02
(2P+,5S+)	F0	3.4251226E-01	G1	2.8202131E-03		
(3S+,3S+)	F0	2.0929444E+00				

TABLE 1.– CONTINUED

MOLYBDENUM 4D5 5S1 Z=42

(3S+,3P-)	F0	2.1071573E+00	G1	1.3782768E+00						
(3S+,3P+)	F0	2.0817181E+00	G1	1.3721398E+00						
(3S+,3D-)	F0	2.1297837E+00	G2	9.1094555E-01						
(3S+,3D+)	F0	2.1218426E+00	G2	9.1237470E-01						
(3S+,4S+)	F0	1.0333723E+00	G0	6.1225656E-02						
(3S+,4P-)	F0	9.5768534E-01	G1	6.0647797E-02						
(3S+,4P+)	F0	9.3588752E-01	G1	6.1109928E-02						
(3S+,4D-)	F0	6.4403076E-01	G2	1.9318572E-02						
(3S+,4D+)	F0	6.3490790E-01	G2	1.9053617E-02						
(3S+,5S+)	F0	3.3481597E-01	G0	4.1408784E-03						
(3P-,3P-)	F0	2.1257534E+00								
(3P-,3P+)	F0	2.0989001E+00	G2	1.0504853E+00						
(3P-,3D-)	F0	2.1488334E+00	G1	1.2220695E+00						
(3P-,3D+)	F0	2.1404863E+00	G3	7.7165867E-01						
(3P-,4S+)	F0	1.0355313E+00	G1	8.0889782E-02						
(3P-,4P-)	F0	9.6009655E-01	G0	5.8113613E-02						
(3P-,4P+)	F0	9.3815758E-01	G2	6.6351583E-02						
(3P-,4D-)	F0	6.4500923E-01	G1	2.2082735E-02						
(3P-,4D+)	F0	6.3585644E-01	G3	2.0732726E-02						
(3P-,5S+)	F0	3.3497845E-01	G1	5.5667535E-03						
(3P+,3P+)	F0	2.0732747E+00	F2	1.0419938E+00						
(3P+,3D-)	F0	2.1197006E+00	F2	1.0196500E+00	G1	1.1860178E+00	G3	7.5318306E-01		
(3P+,3D+)	F0	2.1117183E+00	F2	1.0185546E+00	G1	1.1887801E+00	G3	7.5477752E-01		
(3P+,4S+)	F0	1.0321903E+00	G1	8.1310918E-02						
(3P+,4P-)	F0	9.5713525E-01	G2	6.8097779E-02						
(3P+,4P+)	F0	9.3533905E-01	F2	2.2059221E-01	G0	5.6029051E-02	G2	6.6187564E-02		
(3P+,4D-)	F0	6.4370850E-01	F2	1.0399449E-01	G1	2.1173402E-02	G3	2.0781918E-02		
(3P+,4D+)	F0	6.3459091E-01	F2	9.8229594E-02	G1	2.0888903E-02	G3	2.0391961E-02		
(3P+,5S+)	F0	3.3472983E-01	G1	5.5644409E-03						
(3D-,3D-)	F0	2.2025545E+00	F2	1.0822130E+00						
(3D-,3D+)	F0	2.1931726E+00	F2	1.0784151E+00	G2	1.0743573E+00	G4	6.8227937E-01		
(3D-,4S+)	F0	1.0365702E+00	G2	8.4647866E-02						
(3D-,4P-)	F0	9.6272715E-01	G1	7.1742020E-02						
(3D-,4P+)	F0	9.4064686E-01	F2	2.1212412E-01	G1	6.7898805E-02	G3	6.5349362E-02		
(3D-,4D-)	F0	6.4774360E-01	F2	1.0111649E-01	G0	3.1647427E-02	G2	3.5193480E-02		
(3D-,4D+)	F0	6.3851715E-01	F2	9.8363840E-02	G2	3.4215686E-02	G4	2.5624423E-02		
(3D-,5S+)	F0	3.3520909E-01	G2	5.7049879E-03						
(3D+,3D+)	F0	2.1839288E+00	F2	1.0747668E+00	F4	6.8257171E-01				
(3D+,4S+)	F0	1.0374656E+00	G2	8.5492253E-02						
(3D+,4P-)	F0	9.6175431E-01	G3	6.9517099E-02						
(3D+,4P+)	F0	9.3972219E-01	F2	2.1366102E-01	G1	6.8346322E-02	G3	6.5908864E-02		
(3D+,4D-)	F0	6.4729792E-01	F2	1.0181269E-01	G2	3.5016525E-02	G4	2.6327473E-02		
(3D+,4D+)	F0	6.3808510E-01	F2	9.9039817E-02	F4	4.1074309E-02	G0	3.0801305E-02	G2	3.4341256E-02	G4	2.5765482E-02
(3D+,5S+)	F0	3.3512692E-01	G2	5.7438766E-03						
(4S+,4S+)	F0	8.1237872E-01								
(4S+,4P-)	F0	7.7378400E-01	G1	5.2478438E-01						
(4S+,4P+)	F0	7.6250906E-01	G1	5.1235448E-01						
(4S+,4D-)	F0	5.7193472E-01	G2	2.1239330E-01						
(4S+,4D+)	F0	5.6519638E-01	G2	2.0652812E-01						
(4S+,5S+)	F0	3.2001056E-01	G0	1.1291757E-02						
(4P-,4P-)	F0	7.4044034E-01								
(4P-,4P+)	F0	7.3067421E-01	G2	3.8102784E-01						
(4P-,4D-)	F0	5.5721514E-01	G1	3.0293827E-01						
(4P-,4D+)	F0	5.5094485E-01	G3	1.7784159E-01						
(4P-,5S+)	F0	3.1770000E-01	G1	1.7396381E-02						

TABLE 1.– CONTINUED

MOLYBDENUM 4D5 5S1 Z=42

(4P+,4P+)	F0	7.2136005E-01	F2	3.7683760E-01			
(4P+,4D-)	F0	5.5289618E-01	F2	2.5270966E-01	G1	3.0774387E-01	G3 1.8514446E-01
(4P+,4D+)	F0	5.4676344E-01	F2	2.4812320E-01	G1	3.0075931E-01	G3 1.8087192E-01
(4P+,5S+)	F0	3.1701005E-01	G1	1.8443610E-02			
(4D-,4D-)	F0	4.5800380E-01	F2	2.1720333E-01			
(4D-,4D+)	F0	4.5415936E-01	F2	2.1510285E-01	G2	2.1504120E-01	G4 1.3689075E-01
(4D-,5S+)	F0	2.9714134E-01	G2	6.9655395E-02			
(4D+,5S+)	F0	2.9607940E-01	G2	7.1417999E-02			

TECHNETIUM 4D6 5S1 Z=43

(1S+,1S+)	F0	2.7461026E+01		
(1S+,2S+)	F0	8.5708699E+00	G0	8.6274477E-01
(1S+,2P-)	F0	9.8481002E+00	G1	1.7451296E+00
(1S+,2P+)	F0	9.4347389E+00	G1	1.6632082E+00
(1S+,3S+)	F0	3.2138591E+00	G0	1.4188154E-01
(1S+,3P-)	F0	3.3461776E+00	G1	2.7260340E-01
(1S+,3P+)	F0	3.2396529E+00	G1	2.6412672E-01
(1S+,3D-)	F0	3.0989929E+00	G2	9.9111668E-03
(1S+,3D+)	F0	3.0671392E+00	G2	1.0042665E-02
(1S+,4S+)	F0	1.2472205E+00	G0	2.4595313E-02
(1S+,4P-)	F0	1.1645254E+00	G1	4.0567733E-02
(1S+,4P+)	F0	1.1291610E+00	G1	3.9072874E-02
(1S+,4D-)	F0	7.5199311E-01	G2	7.6304949E-04
(1S+,4D+)	F0	7.3983446E-01	G2	7.6039389E-04
(1S+,5S+)	F0	3.5798027E-01	G0	1.8012106E-03
(2S+,2S+)	F0	6.0533291E+00		
(2S+,2P-)	F0	6.4848899E+00	G1	3.5936196E+00
(2S+,2P+)	F0	6.3903198E+00	G1	3.6302326E+00
(2S+,3S+)	F0	2.8143368E+00	G0	2.0949476E-01
(2S+,3P-)	F0	2.8835712E+00	G1	2.0140908E-01
(2S+,3P+)	F0	2.8182931E+00	G1	1.9172967E-01
(2S+,3D-)	F0	2.9982227E+00	G2	6.0329066E-01
(2S+,3D+)	F0	2.9721174E+00	G2	5.9174173E-01
(2S+,4S+)	F0	1.1779718E+00	G0	3.2317981E-02
(2S+,4P-)	F0	1.0964406E+00	G1	2.7688649E-02
(2S+,4P+)	F0	1.0676282E+00	G1	2.6085421E-02
(2S+,4D-)	F0	7.4465132E-01	G2	3.8818825E-02
(2S+,4D+)	F0	7.3302755E-01	G2	3.7540058E-02
(2S+,5S+)	F0	3.5290859E-01	G0	2.3344954E-03
(2P-,2P-)	F0	7.1767813E+00		
(2P-,2P+)	F0	7.0421245E+00	G2	3.2695067E+00
(2P-,3S+)	F0	2.8750328E+00	G1	2.5496215E-01
(2P-,3P-)	F0	2.9675320E+00	G0	2.6309838E-01
(2P-,3P+)	F0	2.8986074E+00	G2	2.6478995E-01
(2P-,3D-)	F0	3.0303363E+00	G1	6.2222459E-01
(2P-,3D+)	F0	3.0026359E+00	G3	3.4461050E-01
(2P-,4S+)	F0	1.1883444E+00	G1	4.0446299E-02
(2P-,4P-)	F0	1.1086257E+00	G0	3.4926483E-02
(2P-,4P+)	F0	1.0792032E+00	G2	3.6610777E-02
(2P-,4D-)	F0	7.4696626E-01	G1	4.0611220E-02
(2P-,4D+)	F0	7.3519178E-01	G3	2.2450703E-02

TABLE 1.– CONTINUED

TECHNETIUM 4D6 5S1 Z=43

(2P-,5S+)	F0	3.5366676E-01	G1	2.9257277E-03				
(2P+,2P+)	F0	6.9163525E+00	F2	3.2817343E+00				
(2P+,3S+)	F0	2.8613657E+00	G1	2.5310499E-01				
(2P+,3P-)	F0	2.9506544E+00	G2	2.6948861E-01				
(2P+,3P+)	F0	2.8827332E+00	F2	6.4093738E-01	G0	2.4966169E-01	G2	2.6776754E-01
(2P+,3D-)	F0	3.0235784E+00	F2	7.7537314E-01	G1	6.5362038E-01	G3	3.7412120E-01
(2P+,3D+)	F0	2.9961923E+00	F2	7.5905793E-01	G1	6.4498089E-01	G3	3.6923066E-01
(2P+,4S+)	F0	1.1859990E+00	G1	4.0006195E-02				
(2P+,4P-)	F0	1.1061639E+00	G2	3.7429739E-02				
(2P+,4P+)	F0	1.0769055E+00	F2	9.4548131E-02	G0	3.2828779E-02	G2	3.6970360E-02
(2P+,4D-)	F0	7.4648687E-01	F2	5.1841749E-02	G1	4.2242209E-02	G3	2.4536772E-02
(2P+,4D+)	F0	7.3474210E-01	F2	4.9959672E-02	G1	4.1115928E-02	G3	2.3878316E-02
(2P+,5S+)	F0	3.5349522E-01	G1	2.8925104E-03				
(3S+,3S+)	F0	2.1608538E+00						
(3S+,3P-)	F0	2.1778987E+00	G1	1.4231019E+00				
(3S+,3P+)	F0	2.1506290E+00	G1	1.4169964E+00				
(3S+,3D-)	F0	2.2062953E+00	G2	9.4043965E-01				
(3S+,3D+)	F0	2.1978368E+00	G2	9.4223333E-01				
(3S+,4S+)	F0	1.0775007E+00	G0	6.4632745E-02				
(3S+,4P-)	F0	1.0039561E+00	G1	6.4453409E-02				
(3S+,4P+)	F0	9.8021421E-01	G1	6.4910936E-02				
(3S+,4D-)	F0	6.9874740E-01	G2	2.1984831E-02				
(3S+,4D+)	F0	6.8880605E-01	G2	2.1655174E-02				
(3S+,5S+)	F0	3.4563484E-01	G0	4.1966890E-03				
(3P-,3P-)	F0	2.1997588E+00						
(3P-,3P+)	F0	2.1708507E+00	G2	1.0863871E+00				
(3P-,3D-)	F0	2.2289346E+00	G1	1.2638722E+00				
(3P-,3D+)	F0	2.2200020E+00	G3	7.9990803E-01				
(3P-,4S+)	F0	1.0801181E+00	G1	8.5300963E-02				
(3P-,4P-)	F0	1.0068460E+00	G0	6.1985821E-02				
(3P-,4P+)	F0	9.8293156E-01	G2	7.0747647E-02				
(3P-,4D-)	F0	7.0001175E-01	G1	2.5001300E-02				
(3P-,4D+)	F0	6.9003198E-01	G3	2.3766083E-02				
(3P-,5S+)	F0	3.4582408E-01	G1	5.6402233E-03				
(3P+,3P+)	F0	2.1433227E+00	F2	1.0774407E+00				
(3P+,3D-)	F0	2.1973693E+00	F2	1.0569610E+00	G1	1.2240962E+00	G3	7.7935443E-01
(3P+,3D+)	F0	2.1888456E+00	F2	1.0559431E+00	G1	1.2273851E+00	G3	7.8128461E-01
(3P+,4S+)	F0	1.0764317E+00	G1	8.5695750E-02				
(3P+,4P-)	F0	1.0035351E+00	G2	7.2683481E-02				
(3P+,4P+)	F0	9.7978784E-01	F2	2.3455643E-01	G0	5.9639492E-02	G2	7.0549031E-02
(3P+,4D-)	F0	6.9844675E-01	F2	1.1561524E-01	G1	2.4033624E-02	G3	2.3882042E-02
(3P+,4D+)	F0	6.8850974E-01	F2	1.1244081E-01	G1	2.3677090E-02	G3	2.3414495E-02
(3P+,5S+)	F0	3.4556019E-01	G1	5.6336931E-03				
(3D-,3D-)	F0	2.2913761E+00	F2	1.1287302E+00				
(3D-,3D+)	F0	2.2812520E+00	F2	1.1246631E+00	G2	1.1201200E+00	G4	7.1231906E-01
(3D-,4S+)	F0	1.0840757E+00	G2	8.8142931E-02				
(3D-,4P-)	F0	1.0102977E+00	G1	7.5776604E-02				
(3D-,4P+)	F0	9.8619325E-01	F2	2.2429569E-01	G1	7.1625434E-02	G3	6.9128261E-02
(3D-,4D-)	F0	7.0349330E-01	F2	1.1515000E-01	G0	3.6094477E-02	G2	4.0476517E-02
(3D-,4D+)	F0	6.9341965E-01	F2	1.1201251E-01	G2	3.9337012E-02	G4	2.9551578E-02
(3D-,5S+)	F0	3.4611148E-01	G2	5.7299413E-03				
(3D+,3D+)	F0	2.2712840E+00	F2	1.1207661E+00	F4	7.1246990E-01		
(3D+,4S+)	F0	1.0828656E+00	G2	8.9013570E-02				
(3D+,4P-)	F0	1.0092165E+00	G3	7.3653693E-02				
(3D+,4P+)	F0	9.8516789E-01	F2	2.2596389E-01	G1	7.2376574E-02	G3	6.9722015E-02

TABLE 1.– CONTINUED

TECHNETIUM 4D6 5S1 Z=43

(3D+,4D-)	F0 7.0295767E-01	F2 1.1595158E-01	G2 4.0254272E-02	G4 3.0364853E-02
(3D+,4D+)	F0 6.9290066E-01	F2 1.1279093E-01	F4 4.7389222E-02	G0 3.5114842E-02 G2 3.9489839E-02 G4 2.9723106E-02
(3D+,5S+)	F0 3.4602484E-01	G2 5.7685823E-03		
(4S+,4S+)	F0 8.4791446E-01			
(4S+,4P-)	F0 8.1024336E-01	G1 5.4996360E-01		
(4S+,4P+)	F0 7.9800602E-01	G1 5.3673139E-01		
(4S+,4D-)	F0 6.1615673E-01	G2 2.3814421E-01		
(4S+,4D+)	F0 6.0897177E-01	G2 2.3174157E-01		
(4S+,5S+)	F0 3.3081558E-01	G0 1.1352374E-02		
(4P-,4P-)	F0 7.7738964E-01			
(4P-,4P+)	F0 7.6669121E-01	G2 3.9965455E-01		
(4P-,4D-)	F0 6.0050117E-01	G1 3.3522680E-01		
(4P-,4D+)	F0 5.9381147E-01	G3 1.9735324E-01		
(4P-,5S+)	F0 3.2864209E-01	G1 1.7305699E-02		
(4P+,4P+)	F0 7.5650929E-01	F2 3.9512533E-01		
(4P+,4D-)	F0 5.9540802E-01	F2 2.7660251E-01	G1 3.4000309E-01	G3 2.0503149E-01
(4P+,4D+)	F0 5.8888029E-01	F2 2.7172165E-01	G1 3.3255387E-01	G3 2.0044879E-01
(4P+,5S+)	F0 3.2792074E-01	G1 1.8372972E-02		
(4D-,4D-)	F0 5.0010327E-01	F2 2.3860776E-01		
(4D-,4D+)	F0 4.9588311E-01	F2 2.3629693E-01	G2 2.3621863E-01	G4 1.5092430E-01
(4D-,5S+)	F0 3.1033608E-01	G2 6.6311695E-02		
(4D+,4D+)	F0 4.9174977E-01	F2 2.3408142E-01	F4 1.4947437E-01	
(4D+,5S+)	F0 3.0931873E-01	G2 6.8244836E-02		

RUTHENIUM 4D7 5S1 Z=44

(1S+,1S+)	F0 2.8160537E+01	
(1S+,2S+)	F0 8.8069332E+00	G0 8.9043178E-01
(1S+,2P-)	F0 1.0126582E+01	G1 1.7963264E+00
(1S+,2P+)	F0 9.6810590E+00	G1 1.7083797E+00
(1S+,3S+)	F0 3.3177570E+00	G0 1.4802448E-01
(1S+,3P-)	F0 3.4614867E+00	G1 2.8433414E-01
(1S+,3P+)	F0 3.3466869E+00	G1 2.7531182E-01
(1S+,3D-)	F0 3.2133066E+00	G2 1.0522327E-02
(1S+,3D+)	F0 3.1788738E+00	G2 1.0674348E-02
(1S+,4S+)	F0 1.3011040E+00	G0 2.6319754E-02
(1S+,4P-)	F0 1.2216312E+00	G1 4.3743895E-02
(1S+,4P+)	F0 1.1827479E+00	G1 4.2075700E-02
(1S+,4D-)	F0 8.1134338E-01	G2 8.9083408E-04
(1S+,4D+)	F0 7.9792442E-01	G2 8.8873415E-04
(1S+,5S+)	F0 3.6761377E-01	G0 1.8471088E-03
(2S+,2S+)	F0 6.2175909E+00	
(2S+,2P-)	F0 6.6633729E+00	G1 3.6862214E+00
(2S+,2P+)	F0 6.5614152E+00	G1 3.7258660E+00
(2S+,3S+)	F0 2.9020303E+00	G0 2.1744134E-01
(2S+,3P-)	F0 2.9784938E+00	G1 2.0959995E-01
(2S+,3P+)	F0 2.9085196E+00	G1 1.9909410E-01
(2S+,3D-)	F0 3.1068831E+00	G2 6.3383145E-01
(2S+,3D+)	F0 3.0787871E+00	G2 6.2134210E-01
(2S+,4S+)	F0 1.2271836E+00	G0 3.4014165E-02
(2S+,4P-)	F0 1.1481508E+00	G1 2.9738314E-02
(2S+,4P+)	F0 1.1166597E+00	G1 2.7926580E-02

TABLE 1.– CONTINUED

RUTHENIUM 4D7 5S1 Z=44

(2S+,4D-)	F0 8.0283710E-01	G2 4.4480958E-02				
(2S+,4D+)	F0 7.9005948E-01	G2 4.2996492E-02				
(2S+,5S+)	F0 3.6242560E-01	G0 2.3449034E-03				
(2P-,2P-)	F0 7.3789976E+00					
(2P-,2P+)	F0 7.2336262E+00	G2 3.3551267E+00				
(2P-,3S+)	F0 2.9654461E+00	G1 2.6429187E-01				
(2P-,3P-)	F0 3.0664842E+00	G0 2.7392458E-01				
(2P-,3P+)	F0 2.9925547E+00	G2 2.7519047E-01				
(2P-,3D-)	F0 3.1410029E+00	G1 6.5301392E-01				
(2P-,3D+)	F0 3.1111406E+00	G3 3.6128957E-01				
(2P-,4S+)	F0 1.2382982E+00	G1 4.2940218E-02				
(2P-,4P-)	F0 1.1613459E+00	G0 3.7497302E-02				
(2P-,4P+)	F0 1.1291645E+00	G2 3.9243544E-02				
(2P-,4D-)	F0 8.0553361E-01	G1 4.6536146E-02				
(2P-,4D+)	F0 7.9257477E-01	G3 2.5715816E-02				
(2P-,5S+)	F0 3.6320410E-01	G1 2.9755278E-03				
(2P+,2P+)	F0 7.0983101E+00	F2 3.3687503E+00				
(2P+,3S+)	F0 2.9505365E+00	G1 2.6225991E-01				
(2P+,3P-)	F0 3.0480117E+00	G2 2.8015719E-01				
(2P+,3P+)	F0 2.9752238E+00	F2 6.6529807E-01	G0 2.5936638E-01	G2 2.7842628E-01		
(2P+,3D-)	F0 3.1335343E+00	F2 8.1184581E-01	G1 6.8737457E-01	G3 3.9357027E-01		
(2P+,3D+)	F0 3.1040344E+00	F2 7.9412178E-01	G1 6.7813480E-01	G3 3.8834064E-01		
(2P+,4S+)	F0 1.2356738E+00	G1 4.2445779E-02				
(2P+,4P-)	F0 1.1585613E+00	G2 4.0158946E-02				
(2P+,4P+)	F0 1.1265741E+00	F2 1.0118379E-01	G0 3.5131735E-02	G2 3.9645623E-02		
(2P+,4D-)	F0 8.0495301E-01	F2 5.9136321E-02	G1 4.8459943E-02	G3 2.8178418E-02		
(2P+,4D+)	F0 7.9203133E-01	F2 5.6942518E-02	G1 4.7165552E-02	G3 2.7420343E-02		
(2P+,5S+)	F0 3.6302016E-01	G1 2.9397540E-03				
(3S+,3S+)	F0 2.2290767E+00					
(3S+,3P-)	F0 2.2489313E+00	G1 1.4679911E+00				
(3S+,3P+)	F0 2.2197241E+00	G1 1.4619234E+00				
(3S+,3D-)	F0 2.2826894E+00	G2 9.6970850E-01				
(3S+,3D+)	F0 2.2736774E+00	G2 9.7188206E-01				
(3S+,4S+)	F0 1.1210438E+00	G0 6.7951643E-02				
(3S+,4P-)	F0 1.0493664E+00	G1 6.8117687E-02				
(3S+,4P+)	F0 1.0235366E+00	G1 6.8557625E-02				
(3S+,4D-)	F0 7.5076042E-01	G2 2.4565614E-02				
(3S+,4D+)	F0 7.3993619E-01	G2 2.4158900E-02				
(3S+,5S+)	F0 3.5506274E-01	G0 4.2206338E-03				
(3P-,3P-)	F0 2.2740540E+00					
(3P-,3P+)	F0 2.2429686E+00	G2 1.1222722E+00				
(3P-,3D-)	F0 2.3089316E+00	G1 1.3055060E+00				
(3P-,3D+)	F0 2.2993727E+00	G3 8.2801889E-01				
(3P-,4S+)	F0 1.1241291E+00	G1 8.9590156E-02				
(3P-,4P-)	F0 1.0527493E+00	G0 6.5743379E-02				
(3P-,4P+)	F0 1.0267120E+00	G2 7.4974177E-02				
(3P-,4D-)	F0 7.5233056E-01	G1 2.7787613E-02				
(3P-,4D+)	F0 7.4145832E-01	G3 2.6685542E-02				
(3P-,5S+)	F0 3.5527625E-01	G1 5.6704256E-03				
(3P+,3P+)	F0 2.2134316E+00	F2 1.1128627E+00				
(3P+,3D-)	F0 2.2748011E+00	F2 1.0940407E+00	G1 1.2617926E+00	G3 8.0527231E-01		
(3P+,3D+)	F0 2.2657000E+00	F2 1.0931025E+00	G1 1.2656346E+00	G3 8.0755646E-01		
(3P+,4S+)	F0 1.1200808E+00	G1 8.9957043E-02				
(3P+,4P-)	F0 1.0490720E+00	G2 7.7118233E-02				
(3P+,4P+)	F0 1.0232295E+00	F2 2.4807001E-01	G0 6.3114356E-02	G2 7.4738672E-02		

TABLE 1.– CONTINUED

RUTHENIUM 4D7 5S1 Z=44

(3P+,4D-)	F0 7.5048887E-01	F2 1.2979070E-01	G1 2.6786400E-02	G3 2.6889604E-02	
(3P+,4D+)	F0 7.3966790E-01	F2 1.2618477E-01	G1 2.6344110E-02	G3 2.6334972E-02	
(3P+,5S+)	F0 3.5499861E-01	G1 5.6599004E-03			
(3D-,3D-)	F0 2.3797221E+00	F2 1.1749375E+00			
(3D-,3D+)	F0 2.3688091E+00	F2 1.1705838E+00	G2 1.1655211E+00	G4 7.4151961E-01	
(3D-,4S+)	F0 1.1289722E+00	G2 9.1578384E-02			
(3D-,4P-)	F0 1.0570060E+00	G1 7.9697024E-02			
(3D-,4P+)	F0 1.0307268E+00	F2 2.3605914E-01	G1 7.5212883E-02	G3 7.2760325E-02	
(3D-,4D-)	F0 7.5658389E-01	F2 1.2868105E-01	G0 4.0342362E-02	G2 4.5573107E-02	
(3D-,4D+)	F0 7.4559566E-01	F2 1.2513967E-01	G2 4.4261846E-02	G4 3.3342464E-02	
(3D-,5S+)	F0 3.5561217E-01	G2 5.7175916E-03			
(3D+,3D+)	F0 2.3580724E+00	F2 1.1664231E+00	F4 7.4214192E-01		
(3D+,4S+)	F0 1.1276509E+00	G2 9.2477903E-02			
(3D+,4P-)	F0 1.0558107E+00	G3 7.7669314E-02			
(3D+,4P+)	F0 1.0295961E+00	F2 2.3786544E-01	G1 7.5668471E-02	G3 7.3390227E-02	
(3D+,4D-)	F0 7.5595383E-01	F2 1.2959099E-01	G2 4.5301638E-02	G4 3.4271842E-02	
(3D+,4D+)	F0 7.4498566E-01	F2 1.2602324E-01	F4 5.3508686E-02	G0 3.9221615E-02	G2 4.4444005E-02 G4 3.3546561E-02
(3D+,5S+)	F0 3.5552150E-01	G2 5.7559206E-03			
(4S+,4S+)	F0 8.8292455E-01				
(4S+,4P-)	F0 8.4604213E-01	G1 5.7457318E-01			
(4S+,4P+)	F0 8.3276968E-01	G1 5.6048255E-01			
(4S+,4D-)	F0 6.5804364E-01	G2 2.6238509E-01			
(4S+,4D+)	F0 6.5036631E-01	G2 2.5544876E-01			
(4S+,5S+)	F0 3.4031612E-01	G0 1.1347561E-02			
(4P-,4P-)	F0 8.1361264E-01				
(4P-,4P+)	F0 8.0191423E-01	G2 4.1779044E-01			
(4P-,4D-)	F0 6.4161307E-01	G1 3.6550809E-01			
(4P-,4D+)	F0 6.3445724E-01	G3 2.1564823E-01			
(4P-,5S+)	F0 3.3827363E-01	G1 1.7142485E-02			
(4P+,4P+)	F0 7.9080537E-01	F2 4.1290616E-01			
(4P+,4D-)	F0 6.3570488E-01	F2 2.9899363E-01	G1 3.7018204E-01	G3 2.2366779E-01	
(4P+,4D+)	F0 6.2873828E-01	F2 2.9380301E-01	G1 3.6226871E-01	G3 2.1877419E-01	
(4P+,5S+)	F0 3.3752293E-01	G1 1.8229007E-02			
(4D-,4D-)	F0 5.4015353E-01	F2 2.5890804E-01			
(4D-,4D+)	F0 5.3552703E-01	F2 2.5637117E-01	G2 2.5627422E-01	G4 1.6422949E-01	
(4D-,5S+)	F0 3.2178219E-01	G2 6.3028932E-02			
(4D+,4D+)	F0 5.3099812E-01	F2 2.5394289E-01	F4 1.6264117E-01		
(4D+,5S+)	F0 3.2079510E-01	G2 6.5098705E-02			

RHODIUM 4D8 5S1 Z=45

(1S+,1S+)	F0 2.8864086E+01	
(1S+,2S+)	F0 9.0447055E+00	G0 9.1851322E-01
(1S+,2P-)	F0 1.0407297E+01	G1 1.8476754E+00
(1S+,2P+)	F0 9.9278409E+00	G1 1.7534053E+00
(1S+,3S+)	F0 3.4223290E+00	G0 1.5426945E-01
(1S+,3P-)	F0 3.5774953E+00	G1 2.9613266E-01
(1S+,3P+)	F0 3.4539384E+00	G1 2.8654071E-01
(1S+,3D-)	F0 3.3272765E+00	G2 1.1134431E-02
(1S+,3D+)	F0 3.2901115E+00	G2 1.1308787E-02
(1S+,4S+)	F0 1.3544964E+00	G0 2.8046718E-02
(1S+,4P-)	F0 1.2780600E+00	G1 4.6896732E-02

TABLE 1.– CONTINUED

RHODIUM 4D8 5S1 Z=45

(1S+,4P+)	F0 1.2354225E+00	G1 4.5043252E-02				
(1S+,4D-)	F0 8.6794226E-01	G2 1.0195041E-03				
(1S+,4D+)	F0 8.5314528E-01	G2 1.0180033E-03				
(1S+,5S+)	F0 3.7710995E-01	G0 1.8873186E-03				
(2S+,2S+)	F0 6.3828234E+00					
(2S+,2P-)	F0 6.8429719E+00	G1 3.7791129E+00				
(2S+,2P+)	F0 6.7332064E+00	G1 3.8219500E+00				
(2S+,3S+)	F0 2.9901819E+00	G0 2.2547079E-01				
(2S+,3P-)	F0 3.0738459E+00	G1 2.1794684E-01				
(2S+,3P+)	F0 2.9989164E+00	G1 2.0646823E-01				
(2S+,3D-)	F0 3.2151919E+00	G2 6.6422220E-01				
(2S+,3D+)	F0 3.1849890E+00	G2 6.5074449E-01				
(2S+,4S+)	F0 1.2759171E+00	G0 3.5991437E-02				
(2S+,4P-)	F0 1.1991940E+00	G1 3.1765748E-02				
(2S+,4P+)	F0 1.1648480E+00	G1 2.9730584E-02				
(2S+,4D-)	F0 8.5827429E-01	G2 5.0028287E-02				
(2S+,4D+)	F0 8.4423389E-01	G2 4.8323069E-02				
(2S+,5S+)	F0 3.7182157E-01	G0 2.3781092E-03				
(2P-,2P-)	F0 7.5826035E+00					
(2P-,2P+)	F0 7.4258981E+00	G2 3.4407457E+00				
(2P-,3S+)	F0 3.0563590E+00	G1 2.7368336E-01				
(2P-,3P-)	F0 3.1659266E+00	G0 2.8486085E-01				
(2P-,3P+)	F0 3.0867130E+00	G2 2.8562213E-01				
(2P-,3D-)	F0 3.2513341E+00	G1 6.8361862E-01				
(2P-,3D+)	F0 3.2191820E+00	G3 3.7780555E-01				
(2P-,4S+)	F0 1.2877754E+00	G1 4.5402603E-02				
(2P-,4P-)	F0 1.2134017E+00	G0 4.0044008E-02				
(2P-,4P+)	F0 1.1782785E+00	G2 4.1830092E-02				
(2P-,4D-)	F0 8.6135481E-01	G1 5.2342644E-02				
(2P-,4D+)	F0 8.4709993E-01	G3 2.8901856E-02				
(2P-,5S+)	F0 3.7261796E-01	G1 3.0157860E-03				
(2P+,2P+)	F0 7.2805437E+00	F2 3.4558720E+00				
(2P+,3S+)	F0 3.0401260E+00	G1 2.7146686E-01				
(2P+,3P-)	F0 3.1457535E+00	G2 2.9087165E-01				
(2P+,3P+)	F0 3.0678353E+00	F2 6.8973173E-01	G0 2.6910975E-01	G2 2.8912917E-01		
(2P+,3D-)	F0 3.2431088E+00	F2 8.4826551E-01	G1 7.2110985E-01	G3 4.1301306E-01		
(2P+,3D+)	F0 3.2113727E+00	F2 8.2905125E-01	G1 7.1124430E-01	G3 4.0743004E-01		
(2P+,4S+)	F0 1.2848537E+00	G1 4.4850434E-02				
(2P+,4P-)	F0 1.2102722E+00	G2 4.2850425E-02				
(2P+,4P+)	F0 1.1753776E+00	F2 1.0771109E-01	G0 3.7390629E-02	G2 4.2276647E-02		
(2P+,4D-)	F0 8.6066545E-01	F2 6.6277895E-02	G1 5.4570003E-02	G3 3.1763240E-02		
(2P+,4D+)	F0 8.4645631E-01	F2 6.3748068E-02	G1 5.3095055E-02	G3 3.0897990E-02		
(2P+,5S+)	F0 3.7242162E-01	G1 2.9774691E-03				
(3S+,3S+)	F0 2.2976124E+00					
(3S+,3P-)	F0 2.3202596E+00	G1 1.5129519E+00				
(3S+,3P+)	F0 2.2890045E+00	G1 1.5069279E+00				
(3S+,3D-)	F0 2.3590241E+00	G2 9.9881230E-01				
(3S+,3D+)	F0 2.3494216E+00	G2 1.0013820E+00				
(3S+,4S+)	F0 1.1642062E+00	G0 7.1211513E-02				
(3S+,4P-)	F0 1.0942172E+00	G1 7.1686528E-02				
(3S+,4P+)	F0 1.0661617E+00	G1 7.2099391E-02				
(3S+,4D-)	F0 8.0023092E-01	G2 2.7058731E-02				
(3S+,4D+)	F0 7.8843444E-01	G2 2.6560337E-02				
(3S+,5S+)	F0 3.6439162E-01	G0 4.2352760E-03				
(3P-,3P-)	F0 2.3486470E+00					

TABLE 1.– CONTINUED

RHODIUM 4D8 5S1 Z=45

(3P-,3P+)	F0 2.3152574E+00	G2 1.1581423E+00						
(3P-,3D-)	F0 2.3888811E+00	G1 1.3470361E+00						
(3P-,3D+)	F0 2.3786542E+00	G3 8.5603148E-01						
(3P-,4S+)	F0 1.1677681E+00	G1 9.3795630E-02						
(3P-,4P-)	F0 1.0981066E+00	G0 6.9427977E-02						
(3P-,4P+)	F0 1.0698049E+00	G2 7.9082574E-02						
(3P-,4D-)	F0 8.0212194E-01	G1 3.0441391E-02						
(3P-,4D+)	F0 7.9026661E-01	G3 2.9477741E-02						
(3P-,5S+)	F0 3.6462777E-01	G1 5.6877019E-03						
(3P+,3P+)	F0 2.2836020E+00	F2 1.1482599E+00						
(3P+,3D-)	F0 2.3520477E+00	F2 1.1309267E+00	G1 1.2991636E+00	G3 8.3097260E-01				
(3P+,3D+)	F0 2.3423325E+00	F2 1.1300709E+00	G1 1.3035871E+00	G3 8.3363003E-01				
(3P+,4S+)	F0 1.1633394E+00	G1 9.4133243E-02						
(3P+,4P-)	F0 1.0940436E+00	G2 8.1451528E-02						
(3P+,4P+)	F0 1.0659679E+00	F2 2.6126667E-01	G0 6.6496318E-02	G2 7.8807622E-02				
(3P+,4D-)	F0 7.9999224E-01	F2 1.4345583E-01	G1 2.9431022E-02	G3 2.9793446E-02				
(3P+,4D+)	F0 7.8819789E-01	F2 1.3938566E-01	G1 2.8886728E-02	G3 2.9139608E-02				
(3P+,5S+)	F0 3.6433658E-01	G1 5.6733877E-03						
(3D-,3D-)	F0 2.4676843E+00	F2 1.2208887E+00						
(3D-,3D+)	F0 2.4559343E+00	F2 1.2162304E+00	G2 1.2106123E+00	G4 7.7081501E-01				
(3D-,4S+)	F0 1.1734648E+00	G2 9.4983563E-02						
(3D-,4P-)	F0 1.1031504E+00	G1 8.3548578E-02						
(3D-,4P+)	F0 1.0745519E+00	F2 2.4754112E-01	G1 7.8707387E-02	G3 7.6292524E-02				
(3D-,4D-)	F0 8.0715709E-01	F2 1.4166041E-01	G0 4.4380691E-02	G2 5.0461598E-02				
(3D-,4D+)	F0 7.9516143E-01	F2 1.3768511E-01	G2 4.8964122E-02	G4 3.6974631E-02				
(3D-,5S+)	F0 3.6500581E-01	G2 5.6978288E-03						
(3D+,3D+)	F0 2.4443832E+00	F2 1.2117904E+00	F4 7.7162228E-01					
(3D+,4S+)	F0 1.1720259E+00	G2 9.5914717E-02						
(3D+,4P-)	F0 1.1018345E+00	G3 8.1610399E-02						
(3D+,4P+)	F0 1.0733103E+00	F2 2.4949302E-01	G1 7.9168324E-02	G3 7.6960758E-02				
(3D+,4D-)	F0 8.0642842E-01	F2 1.4268159E-01	G2 5.0137203E-02	G4 3.8029422E-02				
(3D+,4D+)	F0 7.9445672E-01	F2 1.3867640E-01	F4 5.9394395E-02	G0 4.3107353E-02	G2 4.9177574E-02	G4 3.7213267E-02		
(3D+,5S+)	F0 3.6491109E-01	G2 5.7359590E-03						
(4S+,4S+)	F0 9.1759289E-01							
(4S+,4P-)	F0 8.8141074E-01	G1 5.9880117E-01						
(4S+,4P+)	F0 8.6703280E-01	G1 5.8379934E-01						
(4S+,4D-)	F0 6.9781062E-01	G2 2.8508300E-01						
(4S+,4D+)	F0 6.8957834E-01	G2 2.7759258E-01						
(4S+,5S+)	F0 3.4973045E-01	G0 1.1337797E-02						
(4P-,4P-)	F0 8.4936667E-01							
(4P-,4P+)	F0 8.3660058E-01	G2 4.3558961E-01						
(4P-,4D-)	F0 6.8075721E-01	G1 3.9380272E-01						
(4P-,4D+)	F0 6.7307289E-01	G3 2.3270542E-01						
(4P-,5S+)	F0 3.4780572E-01	G1 1.6995650E-02						
(4P+,4P+)	F0 8.2450594E-01	F2 4.3033419E-01						
(4P+,4D-)	F0 6.7399737E-01	F2 3.1994436E-01	G1 3.9831310E-01	G3 2.4105520E-01				
(4P+,4D+)	F0 6.6653304E-01	F2 3.1441165E-01	G1 3.8990704E-01	G3 2.3583167E-01				
(4P+,5S+)	F0 3.4702460E-01	G1 1.8107778E-02						
(4D-,4D-)	F0 5.7812498E-01	F2 2.7798166E-01						
(4D-,4D+)	F0 5.7305413E-01	F2 2.7519922E-01	G2 2.7508169E-01	G4 1.7668645E-01				
(4D-,5S+)	F0 3.3269696E-01	G2 6.0343329E-02						
(4D+,4D+)	F0 5.6809398E-01	F2 2.7254102E-01	F4 1.7494916E-01					
(4D+,5S+)	F0 3.3172424E-01	G2 6.2543577E-02						

TABLE 1.– CONTINUED

PALLADIUM 4D10 Z=46

(1S+,1S+)	F0	2.9571834E+01						
(1S+,2S+)	F0	9.2842795E+00	G0	9.4700905E-01				
(1S+,2P-)	F0	1.0690411E+01	G1	1.8992154E+00				
(1S+,2P+)	F0	1.0175173E+01	G1	1.7983125E+00				
(1S+,3S+)	F0	3.5275448E+00	G0	1.6061213E-01				
(1S+,3P-)	F0	3.6941757E+00	G1	3.0798318E-01				
(1S+,3P+)	F0	3.5613674E+00	G1	2.9779826E-01				
(1S+,3D-)	F0	3.4408990E+00	G2	1.1745724E-02				
(1S+,3D+)	F0	3.4008467E+00	G2	1.1944282E-02				
(1S+,4S+)	F0	1.4051494E+00	G0	2.9673330E-02				
(1S+,4P-)	F0	1.3297388E+00	G1	4.9704112E-02				
(1S+,4P+)	F0	1.2825760E+00	G1	4.7610419E-02				
(1S+,4D-)	F0	8.8684900E-01	G2	1.0665082E-03				
(1S+,4D+)	F0	8.6776259E-01	G2	1.0582096E-03				
(2S+,2S+)	F0	6.5490801E+00						
(2S+,2P-)	F0	7.0237617E+00	G1	3.8723073E+00				
(2S+,2P+)	F0	6.9057485E+00	G1	3.9185037E+00				
(2S+,3S+)	F0	3.0787757E+00	G0	2.3357757E-01				
(2S+,3P-)	F0	3.1696182E+00	G1	2.2614219E-01				
(2S+,3P+)	F0	3.0894674E+00	G1	2.1384394E-01				
(2S+,3D-)	F0	3.3231570E+00	G2	6.9441143E-01				
(2S+,3D+)	F0	3.2907293E+00	G2	6.7989724E-01				
(2S+,4S+)	F0	1.3222115E+00	G0	3.7821076E-02				
(2S+,4P-)	F0	1.2460365E+00	G1	3.3556457E-02				
(2S+,4P+)	F0	1.2081531E+00	G1	3.1260764E-02				
(2S+,4D-)	F0	8.7679662E-01	G2	5.1519736E-02				
(2S+,4D+)	F0	8.5859304E-01	G2	4.9367507E-02				
(2P-,2P-)	F0	7.7877117E+00						
(2P-,2P+)	F0	7.6190226E+00	G2	3.5263859E+00				
(2P-,3S+)	F0	3.1477557E+00	G1	2.8312710E-01				
(2P-,3P-)	F0	3.2658489E+00	G0	2.9589888E-01				
(2P-,3P+)	F0	3.1810643E+00	G2	2.9607236E-01				
(2P-,3D-)	F0	3.3613346E+00	G1	7.1397932E-01				
(2P-,3D+)	F0	3.3267629E+00	G3	3.9412264E-01				
(2P-,4S+)	F0	1.3347716E+00	G1	4.7670141E-02				
(2P-,4P-)	F0	1.2611617E+00	G0	4.2297602E-02				
(2P-,4P+)	F0	1.2223965E+00	G2	4.4036250E-02				
(2P-,4D-)	F0	8.8001560E-01	G1	5.3904205E-02				
(2P-,4D+)	F0	8.6155836E-01	G3	2.9522071E-02				
(2P+,2P+)	F0	7.4631167E+00	F2	3.5431271E+00				
(2P+,3S+)	F0	3.1301149E+00	G1	2.8071624E-01				
(2P+,3P-)	F0	3.2438650E+00	G2	3.0161951E-01				
(2P+,3P+)	F0	3.1605469E+00	F2	7.1421668E-01	G0	2.7888191E-01	G2	2.9986384E-01
(2P+,3D-)	F0	3.3523056E+00	F2	8.8459895E-01	G1	7.5477097E-01	G3	4.3241651E-01
(2P+,3D+)	F0	3.3182099E+00	F2	8.6381196E-01	G1	7.4425428E-01	G3	4.2646590E-01
(2P+,4S+)	F0	1.3315450E+00	G1	4.7058975E-02				
(2P+,4P-)	F0	1.2576872E+00	G2	4.5214520E-02				
(2P+,4P+)	F0	1.2191912E+00	F2	1.1332188E-01	G0	3.9309096E-02	G2	4.4525598E-02
(2P+,4D-)	F0	8.7926725E-01	F2	6.8228585E-02	G1	5.6267110E-02	G3	3.2780853E-02
(2P+,4D+)	F0	8.6086649E-01	F2	6.5089043E-02	G1	5.4333340E-02	G3	3.1646631E-02
(3S+,3S+)	F0	2.3664518E+00						
(3S+,3P-)	F0	2.3918781E+00	G1	1.5579930E+00				
(3S+,3P+)	F0	2.3584619E+00	G1	1.5520185E+00				
(3S+,3D-)	F0	2.4353143E+00	G2	1.0278092E+00				
(3S+,3D+)	F0	2.4250843E+00	G2	1.0307920E+00				

TABLE 1.– CONTINUED

PALLADIUM 4D10 Z=46

(3S+,4S+)	F0	1.2054216E+00	G0	7.4176310E-02							
(3S+,4P-)	F0	1.1356731E+00	G1	7.4710695E-02							
(3S+,4P+)	F0	1.1048252E+00	G1	7.5002439E-02							
(3S+,4D-)	F0	8.1750232E-01	G2	2.7412218E-02							
(3S+,4D+)	F0	8.0207062E-01	G2	2.6665722E-02							
(3P-,3P-)	F0	2.4235346E+00									
(3P-,3P+)	F0	2.3877105E+00	G2	1.1940032E+00							
(3P-,3D-)	F0	2.4687956E+00	G1	1.3885261E+00							
(3P-,3D+)	F0	2.4578584E+00	G3	8.8398229E-01							
(3P-,4S+)	F0	1.2094534E+00	G1	9.7603536E-02							
(3P-,4P-)	F0	1.1400523E+00	G0	7.2605325E-02							
(3P-,4P+)	F0	1.1089130E+00	G2	8.2476710E-02							
(3P-,4D-)	F0	8.1956932E-01	G1	3.0684744E-02							
(3P-,4D+)	F0	8.0405761E-01	G3	2.9689940E-02							
(3P+,3P+)	F0	2.3538254E+00	F2	1.1836400E+00							
(3P+,3D-)	F0	2.4291190E+00	F2	1.1676457E+00	G1	1.3362686E+00	G3	8.5649020E-01			
(3P+,3D+)	F0	2.4187529E+00	F2	1.1668755E+00	G1	1.3413030E+00	G3	8.5954105E-01			
(3P+,4S+)	F0	1.2046419E+00	G1	9.7911069E-02							
(3P+,4P-)	F0	1.1356121E+00	G2	8.5165263E-02							
(3P+,4P+)	F0	1.1047368E+00	F2	2.7256800E-01	G0	6.9294728E-02	G2	8.2162644E-02			
(3P+,4D-)	F0	8.1731149E-01	F2	1.4698868E-01	G1	2.9751582E-02	G3	3.0312135E-02			
(3P+,4D+)	F0	8.0188199E-01	F2	1.4179378E-01	G1	2.8935688E-02	G3	2.9395872E-02			
(3D-,3D-)	F0	2.5552719E+00	F2	1.2665937E+00							
(3D-,3D+)	F0	2.5426366E+00	F2	1.2616131E+00	G2	1.2554033E+00	G4	7.9991229E-01			
(3D-,4S+)	F0	1.2159460E+00	G2	9.8041831E-02							
(3D-,4P-)	F0	1.1458229E+00	G1	8.6811795E-02							
(3D-,4P+)	F0	1.1143249E+00	F2	2.5722952E-01	G1	8.1528340E-02	G3	7.9152886E-02			
(3D-,4D-)	F0	8.2497512E-01	F2	1.4450429E-01	G0	4.4888989E-02	G2	5.1295980E-02			
(3D-,4D+)	F0	8.0927160E-01	F2	1.3943934E-01	G2	4.9370985E-02	G4	3.7352617E-02			
(3D+,3D+)	F0	2.5302252E+00	F2	1.2568791E+00	F4	8.0091890E-01					
(3D+,4S+)	F0	1.2143883E+00	G2	9.9004952E-02							
(3D+,4P-)	F0	1.1443888E+00	G3	8.4961191E-02							
(3D+,4P+)	F0	1.1129771E+00	F2	2.5932630E-01	G1	8.1993137E-02	G3	7.9857155E-02			
(3D+,4D-)	F0	8.2420230E-01	F2	1.4558326E-01	G2	5.0942394E-02	G4	3.8721101E-02			
(3D+,4D+)	F0	8.0853037E-01	F2	1.4048037E-01	F4	6.0197046E-02	G0	4.3250922E-02	G2	4.9599346E-02	G4 3.7606940E-02
(4S+,4S+)	F0	9.5031769E-01									
(4S+,4P-)	F0	9.1406257E-01	G1	6.2073577E-01							
(4S+,4P+)	F0	8.9826133E-01	G1	6.0447866E-01							
(4S+,4D-)	F0	7.1311554E-01	G2	2.8911382E-01							
(4S+,4D+)	F0	7.0212743E-01	G2	2.7969667E-01							
(4P-,4P-)	F0	8.8179981E-01									
(4P-,4P+)	F0	8.6769950E-01	G2	4.5101190E-01							
(4P-,4D-)	F0	6.9627001E-01	G1	3.9869898E-01							
(4P-,4D+)	F0	6.8594061E-01	G3	2.3377427E-01							
(4P+,4P+)	F0	8.5437962E-01	F2	4.4525952E-01							
(4P+,4D-)	F0	6.8895187E-01	F2	3.2412102E-01	G1	4.0333925E-01	G3	2.4372217E-01			
(4P+,4D+)	F0	6.7891222E-01	F2	3.1680394E-01	G1	3.9248010E-01	G3	2.3698524E-01			
(4D-,4D-)	F0	5.8445738E-01	F2	2.7701912E-01							
(4D-,4D+)	F0	5.7761269E-01	F2	2.7316905E-01	G2	2.7303666E-01	G4	1.7448080E-01			
(4D+,4D+)	F0	5.7094759E-01	F2	2.6950778E-01	F4	1.7206389E-01					

TABLE 1.– CONTINUED

SILVER 5S1 Z=47

(1S+,1S+)	F0	3.0283778E+01					
(1S+,2S+)	F0	9.5255784E+00	G0	9.7591209E-01			
(1S+,2P-)	F0	1.0975724E+01	G1	1.9508312E+00			
(1S+,2P+)	F0	1.0422820E+01	G1	1.8429846E+00			
(1S+,3S+)	F0	3.6334561E+00	G0	1.6706257E-01			
(1S+,3P-)	F0	3.8116161E+00	G1	3.1990297E-01			
(1S+,3P+)	F0	3.6690241E+00	G1	3.0909642E-01			
(1S+,3D-)	F0	3.5544213E+00	G2	1.2357758E-02			
(1S+,3D+)	F0	3.5113198E+00	G2	1.2582539E-02			
(1S+,4S+)	F0	1.4601464E+00	G0	3.1515694E-02			
(1S+,4P-)	F0	1.3893917E+00	G1	5.3143207E-02			
(1S+,4P+)	F0	1.3384855E+00	G1	5.0879089E-02			
(1S+,4D-)	F0	9.7621292E-01	G2	1.2812643E-03			
(1S+,4D+)	F0	9.5835696E-01	G2	1.2812848E-03			
(1S+,5S+)	F0	3.9453022E-01	G0	1.9489842E-03			
(2S+,2S+)	F0	6.7163080E+00					
(2S+,2P-)	F0	7.2056509E+00	G1	3.9657947E+00			
(2S+,2P+)	F0	7.0789392E+00	G1	4.0155162E+00			
(2S+,3S+)	F0	3.1678359E+00	G0	2.4176991E-01			
(2S+,3P-)	F0	3.2658513E+00	G1	2.3449684E-01			
(2S+,3P+)	F0	3.1801939E+00	G1	2.2123041E-01			
(2S+,3D-)	F0	3.4310036E+00	G2	7.2451736E-01			
(2S+,3D+)	F0	3.3962286E+00	G2	7.0891605E-01			
(2S+,4S+)	F0	1.3722664E+00	G0	3.9902506E-02			
(2S+,4P-)	F0	1.2997537E+00	G1	3.5767260E-02			
(2S+,4P+)	F0	1.2591284E+00	G1	3.3237396E-02			
(2S+,4D-)	F0	9.6420549E-01	G2	6.0938623E-02			
(2S+,4D+)	F0	9.4736459E-01	G2	5.8748717E-02			
(2S+,5S+)	F0	3.8909464E-01	G0	2.4212958E-03			
(2P-,2P-)	F0	7.9941618E+00					
(2P-,2P+)	F0	7.8128255E+00	G2	3.6119610E+00			
(2P-,3S+)	F0	3.2396590E+00	G1	2.9263355E-01			
(2P-,3P-)	F0	3.3662936E+00	G0	3.0705883E-01			
(2P-,3P+)	F0	3.2756297E+00	G2	3.0655695E-01			
(2P-,3D-)	F0	3.4712333E+00	G1	7.4423975E-01			
(2P-,3D+)	F0	3.4341071E+00	G3	4.1032121E-01			
(2P-,4S+)	F0	1.3856191E+00	G1	5.0247346E-02			
(2P-,4P-)	F0	1.3159981E+00	G0	4.5085343E-02			
(2P-,4P+)	F0	1.2744004E+00	G2	4.6878124E-02			
(2P-,4D-)	F0	9.6806854E-01	G1	6.3767887E-02			
(2P-,4D+)	F0	9.5093793E-01	G3	3.5130857E-02			
(2P-,5S+)	F0	3.8991873E-01	G1	3.0657253E-03			
(2P+,2P+)	F0	7.6458509E+00	F2	3.6304347E+00			
(2P+,3S+)	F0	3.2205224E+00	G1	2.9001839E-01			
(2P+,3P-)	F0	3.3423833E+00	G2	3.1242063E-01			
(2P+,3P+)	F0	3.2533759E+00	F2	7.3878118E-01	G0	2.8369535E-01	G2 3.1064576E-01
(2P+,3D-)	F0	3.4613504E+00	F2	9.2098467E-01	G1	7.8851001E-01	G3 4.5186954E-01
(2P+,3D+)	F0	3.4247669E+00	F2	8.9853812E-01	G1	7.7731581E-01	G3 4.4553656E-01
(2P+,4S+)	F0	1.3820449E+00	G1	4.9569277E-02			
(2P+,4P-)	F0	1.3121091E+00	G2	4.8137548E-02			
(2P+,4P+)	F0	1.2708223E+00	F2	1.2047745E-01	G0	4.1791177E-02	G2 4.7419631E-02
(2P+,4D-)	F0	9.6713600E-01	F2	8.0343871E-02	G1	6.6643065E-02	G3 3.8862487E-02
(2P+,4D+)	F0	9.5007211E-01	F2	7.7069797E-02	G1	6.4773316E-02	G3 3.7762271E-02
(2P+,5S+)	F0	3.8969799E-01	G1	3.0224655E-03			
(3S+,3S+)	F0	2.4355999E+00					

TABLE 1.– CONTINUED

SILVER 5S1 Z=47

(3S+,3P-)	F0	2.4637972E+00	G1	1.6031031E+00						
(3S+,3P+)	F0	2.4280981E+00	G1	1.5971802E+00						
(3S+,3D-)	F0	2.5116546E+00	G2	1.0567063E+00						
(3S+,3D+)	F0	2.5007591E+00	G2	1.0601239E+00						
(3S+,4S+)	F0	1.2496509E+00	G0	7.7589962E-02						
(3S+,4P-)	F0	1.1826475E+00	G1	7.8596644E-02						
(3S+,4P+)	F0	1.1496980E+00	G1	7.8925012E-02						
(3S+,4D-)	F0	8.9460432E-01	G2	3.1930352E-02						
(3S+,4D+)	F0	8.8064609E-01	G2	3.1209136E-02						
(3S+,5S+)	F0	3.8160043E-01	G0	4.2326804E-03						
(3P-,3P-)	F0	2.4987318E+00								
(3P-,3P+)	F0	2.4603333E+00	G2	1.2298308E+00						
(3P-,3D-)	F0	2.5487731E+00	G1	1.4299795E+00						
(3P-,3D+)	F0	2.5370821E+00	G3	9.1187779E-01						
(3P-,4S+)	F0	1.2541875E+00	G1	1.0200130E-01						
(3P-,4P-)	F0	1.1875839E+00	G0	7.6628330E-02						
(3P-,4P+)	F0	1.1542994E+00	G2	8.6998408E-02						
(3P-,4D-)	F0	8.9717851E-01	G1	3.5529647E-02						
(3P-,4D+)	F0	8.8313584E-01	G3	3.4832113E-02						
(3P-,5S+)	F0	3.8187650E-01	G1	5.6784465E-03						
(3P+,3P+)	F0	2.4240993E+00	F2	1.2189784E+00						
(3P+,3D-)	F0	2.5061001E+00	F2	1.2042135E+00	G1	1.3730943E+00	G3	8.8132010E-01		
(3P+,3D+)	F0	2.4950456E+00	F2	1.2035335E+00	G1	1.3787721E+00	G3	8.8528649E-01		
(3P+,4S+)	F0	1.2489390E+00	G1	1.0227727E-01						
(3P+,4P-)	F0	1.1826876E+00	G2	8.9873580E-02						
(3P+,4P+)	F0	1.1497029E+00	F2	2.8684831E-01	G0	7.3025628E-02	G2	8.6636345E-02		
(3P+,4D-)	F0	8.9442908E-01	F2	1.6988315E-01	G1	3.4565862E-02	G3	3.5434323E-02		
(3P+,4D+)	F0	8.8047064E-01	F2	1.6479327E-01	G1	3.3773079E-02	G3	3.4548982E-02		
(3P+,5S+)	F0	3.8155938E-01	G1	5.6571253E-03						
(3D-,3D-)	F0	2.6426780E+00	F2	1.3121485E+00						
(3D-,3D+)	F0	2.6291067E+00	F2	1.3068265E+00	G2	1.2999865E+00	G4	8.2886896E-01		
(3D-,4S+)	F0	1.2614949E+00	G2	1.0172239E-01						
(3D-,4P-)	F0	1.1941385E+00	G1	9.1090723E-02						
(3D-,4P+)	F0	1.1604377E+00	F2	2.6978692E-01	G1	8.5456440E-02	G3	8.3099674E-02		
(3D-,4D-)	F0	9.0379307E-01	F2	1.6663148E-01	G0	5.2069015E-02	G2	5.9857386E-02		
(3D-,4D+)	F0	8.8955516E-01	F2	1.6170552E-01	G2	5.7947051E-02	G4	4.3939798E-02		
(3D-,5S+)	F0	3.8232097E-01	G2	5.6278289E-03						
(3D+,3D+)	F0	2.6157868E+00	F2	1.3017824E+00	F4	8.3008991E-01				
(3D+,4S+)	F0	1.2598008E+00	G2	1.0272489E-01						
(3D+,4P-)	F0	1.1925606E+00	G3	8.9318585E-02						
(3D+,4P+)	F0	1.1589573E+00	F2	2.7205321E-01	G1	8.5930588E-02	G3	8.3851250E-02		
(3D+,4D-)	F0	9.0285124E-01	F2	1.6788868E-01	G2	5.9414804E-02	G4	4.5270967E-02		
(3D+,4D+)	F0	8.8864666E-01	F2	1.6292468E-01	F4	7.0739245E-02	G0	5.0459208E-02	G2	5.8230033E-02 G4 4.4254546E-02
(3D+,5S+)	F0	3.8221842E-01	G2	5.6657326E-03						
(4S+,4S+)	F0	9.8611958E-01								
(4S+,4P-)	F0	9.5114658E-01	G1	6.4635864E-01						
(4S+,4P+)	F0	9.3433499E-01	G1	6.2936463E-01						
(4S+,4D-)	F0	7.7352704E-01	G2	3.2755000E-01						
(4S+,4D+)	F0	7.6404511E-01	G2	3.1890296E-01						
(4S+,5S+)	F0	3.6717233E-01	G0	1.1267918E-02						
(4P-,4P-)	F0	9.1979400E-01								
(4P-,4P+)	F0	9.0467639E-01	G2	4.7036048E-01						
(4P-,4D-)	F0	7.5552733E-01	G1	4.4678858E-01						
(4P-,4D+)	F0	7.4664575E-01	G3	2.6456084E-01						
(4P-,5S+)	F0	3.6545652E-01	G1	1.6674607E-02						

TABLE 1.– CONTINUED

SILVER 5S1 Z=47

(4P+,4P+)	F0	8.9042449E-01	F2	4.6431750E-01			
(4P+,4D-)	F0	7.4691750E-01	F2	3.5925251E-01	G1	4.5081015E-01	G3 2.7353811E-01
(4P+,4D+)	F0	7.3832895E-01	F2	3.5296953E-01	G1	4.4136786E-01	G3 2.6761861E-01
(4P+,5S+)	F0	3.6461408E-01	G1	1.7845320E-02			
(4D-,4D-)	F0	6.5049305E-01	F2	3.1410269E-01			
(4D-,4D+)	F0	6.4443232E-01	F2	3.1077459E-01	G2	3.1060922E-01	G4 2.0020029E-01
(4D-,5S+)	F0	3.5243624E-01	G2	5.5767686E-02			
(4D+,4D+)	F0	6.3851365E-01	F2	3.0760824E-01	F4	1.9813574E-01	
(4D+,5S+)	F0	3.5146927E-01	G2	5.8205286E-02			

CADMIUM 5S2 Z=48

(1S+,1S+)	F0	3.1000077E+01		
(1S+,2S+)	F0	9.7687323E+00	G0	1.0052505E+00
(1S+,2P-)	F0	1.1263472E+01	G1	2.0325932E+00
(1S+,2P+)	F0	1.0670932E+01	G1	1.8874800E+00
(1S+,3S+)	F0	3.7401343E+00	G0	1.7362651E-01
(1S+,3P-)	F0	3.9299169E+00	G1	3.3189892E-01
(1S+,3P+)	F0	3.7770003E+00	G1	3.2044408E-01
(1S+,3D-)	F0	3.6679423E+00	G2	1.2970092E-02
(1S+,3D+)	F0	3.6216279E+00	G2	1.3223229E-02
(1S+,4S+)	F0	1.5162465E+00	G0	3.3436337E-02
(1S+,4P-)	F0	1.4506696E+00	G1	5.6743433E-02
(1S+,4P+)	F0	1.3959709E+00	G1	5.4316335E-02
(1S+,4D-)	F0	1.0606703E+00	G2	1.5044611E-03
(1S+,4D+)	F0	1.0431766E+00	G2	1.5124978E-03
(1S+,5S+)	F0	4.3388759E-01	G0	2.4090093E-03
(2S+,2S+)	F0	6.8845860E+00		
(2S+,2P-)	F0	7.3887504E+00	G1	4.0595937E+00
(2S+,2P+)	F0	7.2528680E+00	G1	4.1130136E+00
(2S+,3S+)	F0	3.2574222E+00	G0	2.5005571E-01
(2S+,3P-)	F0	3.3626284E+00	G1	2.4291820E-01
(2S+,3P+)	F0	3.2711772E+00	G1	2.2863470E-01
(2S+,3D-)	F0	3.5388317E+00	G2	7.5453987E-01
(2S+,3D+)	F0	3.5015862E+00	G2	7.3780176E-01
(2S+,4S+)	F0	1.4232276E+00	G0	4.2059188E-02
(2S+,4P-)	F0	1.3547836E+00	G1	3.8080883E-02
(2S+,4P+)	F0	1.3114299E+00	G1	3.5309386E-02
(2S+,4D-)	F0	1.0468443E+00	G2	7.0511824E-02
(2S+,4D+)	F0	1.0303240E+00	G2	6.8216296E-02
(2S+,5S+)	F0	4.2718441E-01	G0	2.9706596E-03
(2P-,2P-)	F0	8.2021218E+00		
(2P-,2P+)	F0	8.0074414E+00	G2	3.6975169E+00
(2P-,3S+)	F0	3.3321338E+00	G1	3.0220923E-01
(2P-,3P-)	F0	3.4673508E+00	G0	3.1835174E-01
(2P-,3P+)	F0	3.3704970E+00	G2	3.1708458E-01
(2P-,3D-)	F0	3.5811314E+00	G1	7.7439039E-01
(2P-,3D+)	F0	3.5413144E+00	G3	4.2639386E-01
(2P-,4S+)	F0	1.4374060E+00	G1	5.2910240E-02
(2P-,4P-)	F0	1.3722077E+00	G0	4.8008609E-02
(2P-,4P+)	F0	1.3277884E+00	G2	4.9861699E-02
(2P-,4D-)	F0	1.0513771E+00	G1	7.3797810E-02

CADMIUM 5S2 Z=48

TABLE 1.– CONTINUED

(2P-,4D+)	F0	1.0345231E+00	G3	4.0789264E-02				
(2P-,5S+)	F0	4.2820381E-01	G1	3.7585125E-03				
(2P+,2P+)	F0	7.8288603E+00	F2	3.7178473E+00				
(2P+,3S+)	F0	3.3114086E+00	G1	2.9937956E-01				
(2P+,3P-)	F0	3.4413925E+00	G2	3.2328236E-01				
(2P+,3P+)	F0	3.3464054E+00	F2	7.6344586E-01	G0	2.9855972E-01	G2	3.2148407E-01
(2P+,3D-)	F0	3.5703426E+00	F2	9.5743887E-01	G1	8.2232459E-01	G3	4.7136969E-01
(2P+,3D+)	F0	3.5311422E+00	F2	9.3324461E-01	G1	8.1042755E-01	G3	4.6464017E-01
(2P+,4S+)	F0	1.4334543E+00	G1	5.2159843E-02				
(2P+,4P-)	F0	1.3678634E+00	G2	5.1190281E-02				
(2P+,4P+)	F0	1.3238011E+00	F2	1.2797592E-01	G0	4.4396452E-02	G2	5.0459736E-02
(2P+,4D-)	F0	1.0502414E+00	F2	9.2604988E-02	G1	7.7219352E-02	G3	4.5071038E-02
(2P+,4D+)	F0	1.0334670E+00	F2	8.9093147E-02	G1	7.5350389E-02	G3	4.3967702E-02
(2P+,5S+)	F0	4.2791949E-01	G1	3.7026747E-03				
(3S+,3S+)	F0	2.5051147E+00						
(3S+,3P-)	F0	2.5360865E+00	G1	1.6483365E+00				
(3S+,3P+)	F0	2.4979823E+00	G1	1.6424710E+00				
(3S+,3D-)	F0	2.5881325E+00	G2	1.0855769E+00				
(3S+,3D+)	F0	2.5765338E+00	G2	1.0894438E+00				
(3S+,4S+)	F0	1.2945933E+00	G0	8.1114368E-02				
(3S+,4P-)	F0	1.2306291E+00	G1	8.2646790E-02				
(3S+,4P+)	F0	1.1956033E+00	G1	8.3042054E-02				
(3S+,4D-)	F0	9.6687236E-01	G2	3.6470073E-02				
(3S+,4D+)	F0	9.5343495E-01	G2	3.5723544E-02				
(3S+,5S+)	F0	4.1802819E-01	G0	5.1319946E-03				
(3P-,3P-)	F0	2.5743207E+00						
(3P-,3P+)	F0	2.5332059E+00	G2	1.2656792E+00				
(3P-,3D-)	F0	2.6289110E+00	G1	1.4714910E+00				
(3P-,3D+)	F0	2.6164227E+00	G3	9.3978482E-01				
(3P-,4S+)	F0	1.2996537E+00	G1	1.0653847E-01				
(3P-,4P-)	F0	1.2361536E+00	G0	8.0829496E-02				
(3P-,4P+)	F0	1.2007465E+00	G2	9.1735366E-02				
(3P-,4D-)	F0	9.6999065E-01	G1	4.0335831E-02				
(3P-,4D+)	F0	9.5646154E-01	G3	3.9928076E-02				
(3P-,5S+)	F0	4.1838662E-01	G1	6.8855303E-03				
(3P+,3P+)	F0	2.4945036E+00	F2	1.2543328E+00				
(3P+,3D-)	F0	2.5830873E+00	F2	1.2407024E+00	G1	1.4097276E+00	G3	9.0702573E-01
(3P+,3D+)	F0	2.5713072E+00	F2	1.2401180E+00	G1	1.4160837E+00	G3	9.1093138E-01
(3P+,4S+)	F0	1.2939346E+00	G1	1.0678056E-01				
(3P+,4P-)	F0	1.2307605E+00	G2	9.4780067E-02				
(3P+,4P+)	F0	1.1956920E+00	F2	3.0166943E-01	G0	7.6935353E-02	G2	9.1319772E-02
(3P+,4D-)	F0	9.6671386E-01	F2	1.9238282E-01	G1	3.9381193E-02	G3	4.0578430E-02
(3P+,4D+)	F0	9.5327434E-01	F2	1.8719608E-01	G1	3.8554444E-02	G3	3.9675752E-02
(3P+,5S+)	F0	4.1798434E-01	G1	6.8542439E-03				
(3D-,3D-)	F0	2.7300075E+00	F2	1.3576267E+00				
(3D-,3D+)	F0	2.7154496E+00	F2	1.3519449E+00	G2	1.3444344E+00	G4	8.5773627E-01
(3D-,4S+)	F0	1.3077674E+00	G2	1.0556607E-01				
(3D-,4P-)	F0	1.2434987E+00	G1	9.5578743E-02				
(3D-,4P+)	F0	1.2076173E+00	F2	2.8286888E-01	G1	8.9592930E-02	G3	8.7250719E-02
(3D-,4D-)	F0	9.7786281E-01	F2	1.8834720E-01	G0	5.9168268E-02	G2	6.8399772E-02
(3D-,4D+)	F0	9.6412884E-01	F2	1.8336414E-01	G2	6.6430985E-02	G4	5.0479541E-02
(3D-,5S+)	F0	4.1896077E-01	G2	6.7933234E-03				
(3D+,3D+)	F0	2.7011734E+00	F2	1.3465755E+00	F4	8.5918827E-01		
(3D+,4S+)	F0	1.3059259E+00	G2	1.0661156E-01				
(3D+,4P-)	F0	1.2417639E+00	G3	9.3884939E-02				

TABLE 1.– CONTINUED

CADMIUM 5S2 Z=48

(3D+,4P+)	F0	1.2059921E+00	F2	2.8531687E-01	G1	9.0077708E-02	G3	8.8054036E-02			
(3D+,4D-)	F0	9.7673928E-01	F2	1.8978434E-01	G2	6.7858831E-02	G4	5.1824030E-02			
(3D+,4D+)	F0	9.6304167E-01	F2	1.8476156E-01	F4	8.1182965E-02	G0	5.7521935E-02	G2	6.6773109E-02	G4 5.0859603E-02
(3D+,5S+)	F0	4.1883095E-01	G2	6.8388018E-03							
(4S+,4S+)	F0	1.0226171E+00									
(4S+,4P-)	F0	9.8907384E-01	G1	6.7257755E-01							
(4S+,4P+)	F0	9.7127110E-01	G1	6.5490389E-01							
(4S+,4D-)	F0	8.2950744E-01	G2	3.6337137E-01							
(4S+,4D+)	F0	8.2071885E-01	G2	3.5512336E-01							
(4S+,5S+)	F0	4.0069690E-01	G0	1.3385217E-02							
(4P-,4P-)	F0	9.5878720E-01									
(4P-,4P+)	F0	9.4265555E-01	G2	4.9031311E-01							
(4P-,4D-)	F0	8.1077756E-01	G1	4.9097634E-01							
(4P-,4D+)	F0	8.0255244E-01	G3	2.9282818E-01							
(4P-,5S+)	F0	3.9879103E-01	G1	1.9577252E-02							
(4P+,4P+)	F0	9.2747714E-01	F2	4.8400613E-01							
(4P+,4D-)	F0	8.0089793E-01	F2	3.9147587E-01	G1	4.9411596E-01	G3	3.0103753E-01			
(4P+,4D+)	F0	7.9297876E-01	F2	3.8574396E-01	G1	4.8551730E-01	G3	2.9559071E-01			
(4P+,5S+)	F0	3.9775863E-01	G1	2.0890114E-02							
(4D-,4D-)	F0	7.1142465E-01	F2	3.4795244E-01							
(4D-,4D+)	F0	7.0564280E-01	F2	3.4484224E-01	G2	3.4463733E-01	G4	2.2364050E-01			
(4D-,5S+)	F0	3.8638777E-01	G2	5.6392885E-02							
(4D+,4D+)	F0	6.9998918E-01	F2	3.4188685E-01	F4	2.2174410E-01					
(4D+,5S+)	F0	3.8552230E-01	G2	5.8757324E-02							
(5S+,5S+)	F0	3.0744353E-01									

INDIUM 5P1 Z=49

(1S+,1S+)	F0	3.1721009E+01		
(1S+,2S+)	F0	1.0013820E+01	G0	1.0350411E+00
(1S+,2P-)	F0	1.1553749E+01	G1	2.0544933E+00
(1S+,2P+)	F0	1.0919526E+01	G1	1.9317809E+00
(1S+,3S+)	F0	3.8475775E+00	G0	1.8030340E-01
(1S+,3P-)	F0	4.0490680E+00	G1	3.4395824E-01
(1S+,3P+)	F0	3.8852776E+00	G1	3.3182981E-01
(1S+,3D-)	F0	3.7814816E+00	G2	1.3581334E-02
(1S+,3D+)	F0	3.7317891E+00	G2	1.3865058E-02
(1S+,4S+)	F0	1.5732416E+00	G0	3.5426625E-02
(1S+,4P-)	F0	1.5132326E+00	G1	6.0475726E-02
(1S+,4P+)	F0	1.4546955E+00	G1	5.7893917E-02
(1S+,4D-)	F0	1.1452574E+00	G2	1.7428562E-03
(1S+,4D+)	F0	1.1274728E+00	G2	1.7603232E-03
(1S+,5S+)	F0	4.8648808E-01	G0	3.1219135E-03
(1S+,5P-)	F0	3.4330277E-01	G1	2.5970796E-03
(2S+,2S+)	F0	7.0539560E+00		
(2S+,2P-)	F0	7.5731063E+00	G1	4.1537224E+00
(2S+,2P+)	F0	7.4275602E+00	G1	4.2110172E+00
(2S+,3S+)	F0	3.3475359E+00	G0	2.5843368E-01
(2S+,3P-)	F0	3.4599468E+00	G1	2.5140155E-01
(2S+,3P+)	F0	3.3624121E+00	G1	2.3605323E-01
(2S+,3D-)	F0	3.6466676E+00	G2	7.8445511E-01
(2S+,3D+)	F0	3.6068270E+00	G2	7.6652996E-01

TABLE 1.– CONTINUED

INDIUM 5P1 Z=49

(2S+,4S+)	F0	1.4749120E+00	G0	4.4279118E-02		
(2S+,4P-)	F0	1.4108301E+00	G1	4.0478420E-02		
(2S+,4P+)	F0	1.3647645E+00	G1	3.7458116E-02		
(2S+,4D-)	F0	1.1290844E+00	G2	8.0564378E-02		
(2S+,4D+)	F0	1.1126504E+00	G2	7.8157962E-02		
(2S+,5S+)	F0	4.7782083E-01	G0	3.8211851E-03		
(2S+,5P-)	F0	3.3891124E-01	G1	1.7193173E-03		
(2P-,2P-)	F0	8.4116451E+00				
(2P-,2P+)	F0	8.2028928E+00	G2	3.7830474E+00		
(2P-,3S+)	F0	3.4251807E+00	G1	3.1185008E-01		
(2P-,3P-)	F0	3.5690159E+00	G0	3.2977445E-01		
(2P-,3P+)	F0	3.4656586E+00	G2	3.2764910E-01		
(2P-,3D-)	F0	3.6910526E+00	G1	8.0440678E-01		
(2P-,3D+)	F0	3.6484072E+00	G3	4.4232533E-01		
(2P-,4S+)	F0	1.4899456E+00	G1	5.5642907E-02		
(2P-,4P-)	F0	1.4294865E+00	G0	5.1044499E-02		
(2P-,4P+)	F0	1.3822598E+00	G2	5.2961101E-02		
(2P-,4D-)	F0	1.1343337E+00	G1	8.4334726E-02		
(2P-,4D+)	F0	1.1175168E+00	G3	4.6728237E-02		
(2P-,5S+)	F0	4.7914276E-01	G1	4.8308635E-03		
(2P-,5P-)	F0	3.3970968E-01	G0	2.1573597E-03		
(2P+,2P+)	F0	8.0121498E+00	F2	3.8053643E+00		
(2P+,3S+)	F0	3.4027703E+00	G1	3.0879575E-01		
(2P+,3P-)	F0	3.5408827E+00	G2	3.3419779E-01		
(2P+,3P+)	F0	3.4396245E+00	F2	7.8820022E-01	G0	3.0847050E-01	G2	3.3237267E-01
(2P+,3D-)	F0	3.6793040E+00	F2	9.9395633E-01	G1	8.5619650E-01	G3	4.9090573E-01
(2P+,3D+)	F0	3.6373570E+00	F2	9.6792521E-01	G1	8.4357212E-01	G3	4.8376603E-01
(2P+,4S+)	F0	1.4855857E+00	G1	5.4814704E-02		
(2P+,4P-)	F0	1.4246454E+00	G2	5.4346617E-02		
(2P+,4P+)	F0	1.3778265E+00	F2	1.3575556E-01	G0	4.7101868E-02	G2	5.3619918E-02
(2P+,4D-)	F0	1.1329692E+00	F2	1.0544931E-01	G1	8.8354440E-02	G3	5.1615706E-02
(2P+,4D+)	F0	1.1162468E+00	F2	1.0167461E-01	G1	8.6496016E-02	G3	5.0514570E-02
(2P+,5S+)	F0	4.7875909E-01	G1	4.7553808E-03		
(2P+,5P-)	F0	3.3950234E-01	G2	2.3109867E-03		
(3S+,3S+)	F0	2.5750017E+00				
(3S+,3P-)	F0	2.6087507E+00	G1	1.6937070E+00		
(3S+,3P+)	F0	2.5681179E+00	G1	1.6879050E+00		
(3S+,3D-)	F0	2.6647719E+00	G2	1.1144628E+00		
(3S+,3D+)	F0	2.6524323E+00	G2	1.1188028E+00		
(3S+,4S+)	F0	1.3401036E+00	G0	8.4722455E-02		
(3S+,4P-)	F0	1.2793832E+00	G1	8.6817069E-02		
(3S+,4P+)	F0	1.2423093E+00	G1	8.7308490E-02		
(3S+,4D-)	F0	1.0382986E+00	G2	4.1214952E-02		
(3S+,4D+)	F0	1.0251685E+00	G2	4.0428526E-02		
(3S+,5S+)	F0	4.6608940E-01	G0	6.5205494E-03		
(3S+,5P-)	F0	3.3333134E-01	G1	3.4099160E-03		
(3P-,3P-)	F0	2.6503033E+00				
(3P-,3P+)	F0	2.6063291E+00	G2	1.3015555E+00		
(3P-,3D-)	F0	2.7092283E+00	G1	1.5131023E+00		
(3P-,3D+)	F0	2.6958991E+00	G3	9.6773025E-01		
(3P-,4S+)	F0	1.3457053E+00	G1	1.1117987E-01		
(3P-,4P-)	F0	1.2855240E+00	G0	8.5165786E-02		
(3P-,4P+)	F0	1.2480202E+00	G2	9.6637434E-02		
(3P-,4D-)	F0	1.0420109E+00	G1	4.5306568E-02		
(3P-,4D+)	F0	1.0287815E+00	G3	4.5216094E-02		

TABLE 1.– CONTINUED

INDIUM 5P1 Z=49

(3P-,5S+)	F0	4.6657420E-01	G1	8.7507699E-03				
(3P-,5P-)	F0	3.3359071E-01	G0	3.2898267E-03				
(3P+,3P+)	F0	2.5650388E+00	F2	1.2897138E+00				
(3P+,3D-)	F0	2.6600983E+00	F2	1.2771350E+00	G1	1.4462040E+00	G3	9.3213129E-01
(3P+,3D+)	F0	2.6475556E+00	F2	1.2766527E+00	G1	1.4532746E+00	G3	9.3650104E-01
(3P+,4S+)	F0	1.3394825E+00	G1	1.1138580E-01				
(3P+,4P-)	F0	1.2795944E+00	G2	9.9834838E-02				
(3P+,4P+)	F0	1.2424708E+00	F2	3.1691243E-01	G0	8.0980973E-02	G2	9.6162586E-02
(3P+,4D-)	F0	1.0381534E+00	F2	2.1542630E-01	G1	4.4397849E-02	G3	4.5942393E-02
(3P+,4D+)	F0	1.0250195E+00	F2	2.1011543E-01	G1	4.3518612E-02	G3	4.5013293E-02
(3P+,5S+)	F0	4.6603930E-01	G1	8.7036500E-03				
(3P+,5P-)	F0	3.3334144E-01	G2	3.9759358E-03				
(3D-,3D-)	F0	2.8172904E+00	F2	1.4030527E+00				
(3D-,3D+)	F0	2.8016950E+00	F2	1.3969930E+00	G2	1.3887705E+00	G4	8.8653134E-01
(3D-,4S+)	F0	1.3546154E+00	G2	1.0953497E-01				
(3D-,4P-)	F0	1.2936629E+00	G1	1.0022367E-01				
(3D-,4P+)	F0	1.2556262E+00	F2	2.9635825E-01	G1	9.3886088E-02	G3	9.1556369E-02
(3D-,4D-)	F0	1.0512191E+00	F2	2.1058597E-01	G0	6.6477579E-02	G2	7.7253074E-02
(3D-,4D+)	F0	1.0377758E+00	F2	2.0552364E-01	G2	7.5216232E-02	G4	5.7269093E-02
(3D-,5S+)	F0	4.6734431E-01	G2	8.5994462E-03				
(3D-,5P-)	F0	3.3393300E-01	G1	3.8898631E-03				
(3D+,3D+)	F0	2.7864147E+00	F2	1.3912837E+00	F4	8.8823229E-01		
(3D+,4S+)	F0	1.3526159E+00	G2	1.1062675E-01				
(3D+,4P-)	F0	1.2917584E+00	G3	9.8609801E-02				
(3D+,4P+)	F0	1.2538444E+00	F2	2.9899982E-01	G1	9.4382478E-02	G3	9.2415580E-02
(3D+,4D-)	F0	1.0498951E+00	F2	2.1221179E-01	G2	7.6601322E-02	G4	5.8628464E-02
(3D+,4D+)	F0	1.0364916E+00	F2	2.0710767E-01	F4	9.2009494E-02	G0	6.4785833E-02
(3D+,5S+)	F0	4.6717198E-01	G2	8.6565732E-03				
(3D+,5P-)	F0	3.3385273E-01	G3	3.9312383E-03				
(4S+,4S+)	F0	1.0596704E+00						
(4S+,4P-)	F0	1.0276649E+00	G1	6.9924962E-01				
(4S+,4P+)	F0	1.0088951E+00	G1	6.8095786E-01				
(4S+,4D-)	F0	8.8436592E-01	G2	3.9857983E-01				
(4S+,4D+)	F0	8.7607365E-01	G2	3.9070699E-01				
(4S+,5S+)	F0	4.4426535E-01	G0	1.6592012E-02				
(4S+,5P-)	F0	3.2358041E-01	G1	1.1040300E-02				
(4P-,4P-)	F0	9.9857054E-01						
(4P-,4P+)	F0	9.8143535E-01	G2	5.1075170E-01				
(4P-,4D-)	F0	8.6518854E-01	G1	5.3410164E-01				
(4P-,4D+)	F0	8.5742472E-01	G3	3.2060680E-01				
(4P-,5S+)	F0	4.4205873E-01	G1	2.3995287E-02				
(4P-,5P-)	F0	3.2261485E-01	G0	8.6060065E-03				
(4P+,4P+)	F0	9.6534308E-01	F2	5.0421663E-01				
(4P+,4D-)	F0	8.5401956E-01	F2	4.2297699E-01	G1	5.3611820E-01	G3	3.2797751E-01
(4P+,4D+)	F0	8.4657578E-01	F2	4.1769598E-01	G1	5.2828398E-01	G3	3.2295985E-01
(4P+,5S+)	F0	4.4073853E-01	G1	2.5497945E-02				
(4P+,5P-)	F0	3.2203183E-01	G2	1.0829107E-02				
(4D-,4D-)	F0	7.7173428E-01	F2	3.8153713E-01				
(4D-,4D+)	F0	7.6611323E-01	F2	3.7857998E-01	G2	3.7832848E-01	G4	2.4702110E-01
(4D-,5S+)	F0	4.2947728E-01	G2	5.9634727E-02				
(4D-,5P-)	F0	3.1732685E-01	G1	2.6566544E-02				
(4D+,4D+)	F0	7.6061211E-01	F2	3.7577542E-01	F4	2.4526130E-01		
(4D+,5S+)	F0	4.2862048E-01	G2	6.1986688E-02				
(4D+,5P-)	F0	3.1696767E-01	G3	2.2329737E-02				
(5S+,5S+)	F0	3.4470633E-01						

TABLE 1.– CONTINUED

INDIUM 5P1 Z=49

(5S+,5P-)	F0	2.7933919E-01	G1	1.6700423E-01

TIN 5P2 Z=50

(1S+,1S+)	F0	3.2446628E+01		
(1S+,2S+)	F0	1.0260891E+01	G0	1.0653005E+00
(1S+,2P-)	F0	1.1846625E+01	G1	2.1065348E+00
(1S+,2P+)	F0	1.1168606E+01	G1	1.9758830E+00
(1S+,3S+)	F0	3.9558472E+00	G0	1.8710162E-01
(1S+,3P-)	F0	4.1691639E+00	G1	3.5609425E-01
(1S+,3P+)	F0	3.9939210E+00	G1	3.4326470E-01
(1S+,3D-)	F0	3.8951410E+00	G2	1.4191839E-02
(1S+,3D+)	F0	3.8418985E+00	G2	1.4508496E-02
(1S+,4S+)	F0	1.6312723E+00	G0	3.7497316E-02
(1S+,4P-)	F0	1.5770377E+00	G1	6.4344537E-02
(1S+,4P+)	F0	1.5145155E+00	G1	6.1611161E-02
(1S+,4D-)	F0	1.2257213E+00	G2	1.9848016E-03
(1S+,4D+)	F0	1.2073785E+00	G2	2.0120443E-03
(1S+,5S+)	F0	5.3144447E-01	G0	3.7903453E-03
(1S+,5P-)	F0	3.9851522E-01	G1	3.6937581E-03
(2S+,2S+)	F0	7.2244463E+00		
(2S+,2P-)	F0	7.7587530E+00	G1	4.2481856E+00
(2S+,2P+)	F0	7.6030318E+00	G1	4.3095363E+00
(2S+,3S+)	F0	3.4382193E+00	G0	2.6691231E-01
(2S+,3P-)	F0	3.5578685E+00	G1	2.5995623E-01
(2S+,3P+)	F0	3.4539459E+00	G1	2.4349360E-01
(2S+,3D-)	F0	3.7546061E+00	G2	8.1429722E-01
(2S+,3D+)	F0	3.7120413E+00	G2	7.9513336E-01
(2S+,4S+)	F0	1.5274322E+00	G0	4.6574365E-02
(2S+,4P-)	F0	1.4678375E+00	G1	4.2962887E-02
(2S+,4P+)	F0	1.4189899E+00	G1	3.9682423E-02
(2S+,4D-)	F0	1.2073798E+00	G2	9.0563605E-02
(2S+,4D+)	F0	1.1905844E+00	G2	8.8010475E-02
(2S+,5S+)	F0	5.2094498E-01	G0	4.6054731E-03
(2S+,5P-)	F0	3.9225565E-01	G1	2.4372979E-03
(2P-,2P-)	F0	8.6227778E+00		
(2P-,2P+)	F0	8.3991980E+00	G2	3.8685489E+00
(2P-,3S+)	F0	3.5188450E+00	G1	3.2156454E-01
(2P-,3P-)	F0	3.6713570E+00	G0	3.4134273E-01
(2P-,3P+)	F0	3.5611660E+00	G2	3.3826175E-01
(2P-,3D-)	F0	3.8010938E+00	G1	8.3432583E-01
(2P-,3D+)	F0	3.7554770E+00	G3	4.5813443E-01
(2P-,4S+)	F0	1.5433547E+00	G1	5.8459718E-02
(2P-,4P-)	F0	1.4877814E+00	G0	5.4197892E-02
(2P-,4P+)	F0	1.4376725E+00	G2	5.6175277E-02
(2P-,4D-)	F0	1.2133578E+00	G1	9.4821350E-02
(2P-,4D+)	F0	1.1961243E+00	G3	5.2609932E-02
(2P-,5S+)	F0	5.2255085E-01	G1	5.8174099E-03
(2P-,5P-)	F0	3.9339634E-01	G0	3.0581970E-03
(2P+,2P+)	F0	8.1957234E+00	F2	3.8929891E+00
(2P+,3S+)	F0	3.4946479E+00	G1	3.1827516E-01
(2P+,3P-)	F0	3.6409156E+00	G2	3.4518027E-01

TABLE 1.– CONTINUED

TIN 5P2 Z=50

(2P+,3P+)	F0	3.5330803E+00	F2	8.1306599E-01	G0	3.1843794E-01	G2	3.4332290E-01
(2P+,3D-)	F0	3.7883293E+00	F2	1.0305824E+00	G1	8.9016966E-01	G3	5.1050305E-01
(2P+,3D+)	F0	3.7435012E+00	F2	1.0926217E+00	G1	8.7679273E-01	G3	5.0293911E-01
(2P+,4S+)	F0	1.5385527E+00	G1	5.7547770E-02				
(2P+,4P-)	F0	1.4823988E+00	G2	5.7610174E-02				
(2P+,4P+)	F0	1.4327541E+00	F2	1.4381007E-01	G0	4.9906373E-02	G2	5.6899257E-02
(2P+,4D-)	F0	1.2117464E+00	F2	1.1820697E-01	G1	9.9466618E-02	G3	5.8156673E-02
(2P+,4D+)	F0	1.1946249E+00	F2	1.1410946E-01	G1	9.7590304E-02	G3	5.7040816E-02
(2P+,5S+)	F0	5.2206616E-01	G1	5.7219392E-03				
(2P+,5P-)	F0	3.9308823E-01	G2	3.2721200E-03				
(3S+,3S+)	F0	2.6452897E+00						
(3S+,3P-)	F0	2.6818265E+00	G1	1.7392297E+00				
(3S+,3P+)	F0	2.6385353E+00	G1	1.7334965E+00				
(3S+,3D-)	F0	2.7416279E+00	G2	1.1433840E+00				
(3S+,3D+)	F0	2.7285081E+00	G2	1.1482190E+00				
(3S+,4S+)	F0	1.3862599E+00	G0	8.8435436E-02				
(3S+,4P-)	F0	1.3288456E+00	G1	9.1110758E-02				
(3S+,4P+)	F0	1.2896783E+00	G1	9.1719931E-02				
(3S+,4D-)	F0	1.1059300E+00	G2	4.5904673E-02				
(3S+,4D+)	F0	1.0927112E+00	G2	4.5045290E-02				
(3S+,5S+)	F0	5.0685921E-01	G0	7.7657922E-03				
(3S+,5P-)	F0	3.8437422E-01	G1	4.7561397E-03				
(3P-,3P-)	F0	2.7267252E+00						
(3P-,3P+)	F0	2.6797404E+00	G2	1.3374687E+00				
(3P-,3D-)	F0	2.7897873E+00	G1	1.5548421E+00				
(3P-,3D+)	F0	2.7755714E+00	G3	9.9573335E-01				
(3P-,4S+)	F0	1.3924232E+00	G1	1.1595148E-01				
(3P-,4P-)	F0	1.3356325E+00	G0	8.9642692E-02				
(3P-,4P+)	F0	1.2959838E+00	G2	1.0169978E-01				
(3P-,4D-)	F0	1.1102616E+00	G1	5.0156890E-02				
(3P-,4D+)	F0	1.0969340E+00	G3	5.0379498E-02				
(3P-,5S+)	F0	5.0747046E-01	G1	1.0424344E-02				
(3P-,5P-)	F0	3.8475695E-01	G0	4.5981011E-03				
(3P+,3P+)	F0	2.6357369E+00	F2	1.3251313E+00				
(3P+,3D-)	F0	2.7371872E+00	F2	1.3135333E+00	G1	1.4825410E+00	G3	9.5714985E-01
(3P+,3D+)	F0	2.7238436E+00	F2	1.3131600E+00	G1	1.4903640E+00	G3	9.6200965E-01
(3P+,4S+)	F0	1.3856599E+00	G1	1.1611841E-01				
(3P+,4P-)	F0	1.3291238E+00	G2	1.0504219E-01				
(3P+,4P+)	F0	1.2899005E+00	F2	3.3253392E-01	G0	8.5158693E-02	G2	1.0115925E-01
(3P+,4D-)	F0	1.1057926E+00	F2	2.3779250E-01	G1	4.9338442E-02	G3	5.1231965E-02
(3P+,4D+)	F0	1.0925686E+00	F2	2.3225535E-01	G1	4.8368182E-02	G3	5.0246862E-02
(3P+,5S+)	F0	5.0680418E-01	G1	1.0359396E-02				
(3P+,5P-)	F0	3.8439166E-01	G2	5.5637114E-03				
(3D-,3D-)	F0	2.9046054E+00	F2	1.4484660E+00				
(3D-,3D+)	F0	2.8879196E+00	F2	1.4420094E+00	G2	1.4330319E+00	G4	9.1527743E-01
(3D-,4S+)	F0	1.4021230E+00	G2	1.1364799E-01				
(3D-,4P-)	F0	1.3445687E+00	G1	1.0502526E-01				
(3D-,4P+)	F0	1.3043277E+00	F2	3.1021308E-01	G1	9.8325850E-02	G3	9.6008002E-02
(3D-,4D-)	F0	1.1208186E+00	F2	2.3214522E-01	G0	7.3576221E-02	G2	8.5920392E-02
(3D-,4D+)	F0	1.1072645E+00	F2	2.2690664E-01	G2	8.3775012E-02	G4	6.3904520E-02
(3D-,5S+)	F0	5.0843086E-01	G2	1.0208461E-02				
(3D-,5P-)	F0	3.8525854E-01	G1	5.4200503E-03				
(3D+,3D+)	F0	2.8715856E+00	F2	1.4359448E+00	F4	9.1724595E-01		
(3D+,4S+)	F0	1.3999537E+00	G2	1.1478946E-01				
(3D+,4P-)	F0	1.3424809E+00	G3	1.0349431E-01				

TABLE 1.– CONTINUED

TIN 5P2 Z=50

(3D+,4P+)	F0 1.3023766E+00	F2 3.1306002E-01	G1 9.8834573E-02	G3 9.6927260E-02	
(3D+,4D-)	F0 1.1192831E+00	F2 2.3396131E-01	G2 8.5148993E-02	G4 6.5304926E-02	
(3D+,4D+)	F0 1.1057731E+00	F2 2.2867801E-01	F4 1.0258473E-01	G0 7.1803727E-02	G2 8.4253335E-02 G4 6.4434591E-02
(3D+,5S+)	F0 5.0821651E-01	G2 1.0275837E-02			
(3D+,5P-)	F0 3.8514102E-01	G3 5.4934713E-03			
(4S+,4S+)	F0 1.0973226E+00				
(4S+,4P-)	F0 1.0668721E+00	G1 7.2628618E-01			
(4S+,4P+)	F0 1.0471091E+00	G1 7.0738230E-01			
(4S+,4D-)	F0 9.3615528E-01	G2 4.3115415E-01			
(4S+,4D+)	F0 9.2803467E-01	G2 4.2348486E-01			
(4S+,5S+)	F0 4.8109915E-01	G0 1.9318664E-02			
(4S+,5P-)	F0 3.7085039E-01	G1 1.4837070E-02			
(4P-,4P-)	F0 1.0390170E+00				
(4P-,4P+)	F0 1.0208448E+00	G2 5.3150328E-01			
(4P-,4D-)	F0 9.1684787E-01	G1 5.7387129E-01			
(4P-,4D+)	F0 9.0922951E-01	G3 3.4623412E-01			
(4P-,5S+)	F0 4.7870850E-01	G1 2.7675596E-02			
(4P-,5P-)	F0 3.6962466E-01	G0 1.1605942E-02			
(4P+,4P+)	F0 1.0038106E+00	F2 5.2474746E-01			
(4P+,4D-)	F0 9.0440712E-01	F2 4.5219899E-01	G1 5.7463031E-01	G3 3.5285281E-01	
(4P+,4D+)	F0 8.9712887E-01	F2 4.4715846E-01	G1 5.6730287E-01	G3 3.4810702E-01	
(4P+,5S+)	F0 4.7712530E-01	G1 2.9302993E-02			
(4P+,5P-)	F0 3.6880322E-01	G2 1.4695102E-02			
(4D-,4D-)	F0 8.2821914E-01	F2 4.1253221E-01			
(4D-,4D+)	F0 8.2255250E-01	F2 4.0959829E-01	G2 4.0929462E-01	G4 2.6854271E-01	
(4D-,5S+)	F0 4.6622370E-01	G2 6.1452525E-02			
(4D-,5P-)	F0 3.6342865E-01	G1 3.0710804E-02			
(4D+,4D+)	F0 8.1700498E-01	F2 4.0682177E-01	F4 2.6683900E-01		
(4D+,5S+)	F0 4.6534981E-01	G2 6.3789874E-02			
(4D+,5P-)	F0 3.6299741E-01	G3 2.6785781E-02			
(5S+,5S+)	F0 3.7571041E-01				
(5S+,5P-)	F0 3.1685813E-01	G1 1.9720791E-01			
(5P-,5P-)	F0 2.7899979E-01				

ANTIMONY 5P3 Z=51

(1S+,1S+)	F0 3.3177118E+01	
(1S+,2S+)	F0 1.0510014E+01	G0 1.0960451E+00
(1S+,2P-)	F0 1.2142204E+01	G1 2.1587211E+00
(1S+,2P+)	F0 1.1418192E+01	G1 2.0197795E+00
(1S+,3S+)	F0 4.0649540E+00	G0 1.9402282E-01
(1S+,3P-)	F0 4.2902196E+00	G1 3.6830168E-01
(1S+,3P+)	F0 4.1029272E+00	G1 3.5474331E-01
(1S+,3D-)	F0 4.0089444E+00	G2 1.4800766E-02
(1S+,3D+)	F0 3.9519766E+00	G2 1.5152803E-02
(1S+,4S+)	F0 1.6901357E+00	G0 3.9640161E-02
(1S+,4P-)	F0 1.6417539E+00	G1 6.8320985E-02
(1S+,4P+)	F0 1.5750647E+00	G1 6.5437103E-02
(1S+,4D-)	F0 1.3035848E+00	G2 2.2305270E-03
(1S+,4D+)	F0 1.2844488E+00	G2 2.2683654E-03
(1S+,5S+)	F0 5.7465520E-01	G0 4.4845134E-03
(1S+,5P-)	F0 4.4937304E-01	G1 4.8453817E-03

TABLE 1.– CONTINUED

ANTIMONY 5P3 Z=51

(1S+,5P+)	F0	4.2367938E-01	G1	4.3855327E-03			
(2S+,2S+)	F0	7.3960947E+00					
(2S+,2P-)	F0	7.9457373E+00	G1	4.3429951E+00			
(2S+,2P+)	F0	7.7793075E+00	G1	4.4085868E+00			
(2S+,3S+)	F0	3.5294807E+00	G0	2.7549211E-01			
(2S+,3P-)	F0	3.6564054E+00	G1	2.6858112E-01			
(2S+,3P+)	F0	3.5457817E+00	G1	2.5095449E-01			
(2S+,3D-)	F0	3.8626744E+00	G2	8.4405443E-01			
(2S+,3D+)	F0	3.8172534E+00	G2	8.2359980E-01			
(2S+,4S+)	F0	1.5806093E+00	G0	4.8933547E-02			
(2S+,4P-)	F0	1.5255186E+00	G1	4.5515700E-02			
(2S+,4P+)	F0	1.4737877E+00	G1	4.1962328E-02			
(2S+,4D-)	F0	1.2830481E+00	G2	1.0054110E-01			
(2S+,4D+)	F0	1.2656738E+00	G2	9.7823602E-02			
(2S+,5S+)	F0	5.6226031E-01	G0	5.4097578E-03			
(2S+,5P-)	F0	4.4114225E-01	G1	3.1873512E-03			
(2S+,5P+)	F0	4.1690527E-01	G1	2.7749345E-03			
(2P-,2P-)	F0	8.8355818E+00					
(2P-,2P+)	F0	6.5963864E+00	G2	3.9540190E+00			
(2P-,3S+)	F0	3.6131359E+00	G1	3.3135103E-01			
(2P-,3P-)	F0	3.7743867E+00	G0	3.5305774E-01			
(2P-,3P+)	F0	3.6570222E+00	G2	3.4891967E-01			
(2P-,3D-)	F0	3.9112812E+00	G1	8.6413449E-01			
(2P-,3D+)	F0	3.8625469E+00	G3	4.7381217E-01			
(2P-,4S+)	F0	1.5974509E+00	G1	6.1345500E-02			
(2P-,4P-)	F0	1.5467972E+00	G0	5.7446329E-02			
(2P-,4P+)	F0	1.4936998E+00	G2	5.9476194E-02			
(2P-,4D-)	F0	1.2897088E+00	G1	1.0529061E-01			
(2P-,4D+)	F0	1.2718959E+00	G3	5.3462915E-02			
(2P-,5S+)	F0	5.6416116E-01	G1	6.5269752E-03			
(2P-,5P-)	F0	4.4264542E-01	G0	3.9997045E-03			
(2P-,5P+)	F0	4.1823426E-01	G2	3.9425716E-03			
(2P+,2P+)	F0	8.3795927E+00	F2	3.9807256E-00			
(2P+,3S+)	F0	3.5870462E+00	G1	3.2781616E-01			
(2P+,3P-)	F0	3.7414978E+00	G2	3.5622765E-01		[illegible]	G2 3.5433194E-01
(2P+,3P+)	F0	3.6267717E+00	F2	8.3803093E-01	[illegible]	[illegible]	G3 5.3015760E-01
(2P+,3D-)	F0	3.8974426E+00	F2	1.0673193E+00	[illegible]	[illegible]	G2 5.2215561E-01
(2P+,3D+)	F0	[illegible]	F2	1.0373343E+00	[illegible]		
(2P+,4S+)	F0	1.5921724E+00	G1	6.0343812E-02			
(2P+,4P-)	F0	1.5408252E+00	G2	6.0955377E-02			
(2P+,4P+)	F0	1.4882573E+00	F2	1.5207201E-01	[illegible]	[illegible]	G2 6.0269503E-02
(2P+,4D-)	F0	1.2878709E+00	F2	1.3093665E-01	[illegible]	[illegible]	G3 6.4714095E-02
(2P+,4D+)	F0	1.2701509E+00	F2	1.2647937E-01	[illegible]	[illegible]	[illegible] 6.3578702E-02
(2P+,5S+)	F0	5.6356490E-01	G1	6.7094477E-03			
(2P+,5P-)	F0	4.4222337E-01	G2	4.2738032E-03			
(2P+,5P+)	F0	4.1787075E-01	F2	1.0506683E-02	G0	3.4712138E-03	G2 3.9939806E-03
(3S+,3S+)	F0	2.7159857E+00					
(3S+,3P-)	F0	2.7553225E+00	G1	1.7849134E+00			
(3S+,3P+)	F0	2.7092393E+00	G1	1.7792534E+00			
(3S+,3D-)	F0	2.8187200E+00	G2	1.1723654E+00			
(3S+,3D+)	F0	2.8047799E+00	G2	1.1777189E+00			
(3S+,4S+)	F0	1.4329194E+00	G0	9.2229970E-02			
(3S+,4P-)	F0	1.3787883E+00	G1	9.5487965E-02			
(3S+,4P+)	F0	1.3374967E+00	G1	9.6231789E-02			
(3S+,4D-)	F0	1.1710347E+00	G2	5.0569037E-02			

TABLE 1.– CONTINUED

ANTIMONY 5P3 Z=51

(3S+,4D+)	F0	1.1575411E+00	G2	4.9614221E-02						
(3S+,5S+)	F0	5.4577495E-01	G0	9.0168940E-03						
(3S+,5P-)	F0	4.3087030E-01	G1	6.1239771E-03						
(3S+,5P+)	F0	4.0788170E-01	G1	5.8348237E-03						
(3P-,3P-)	F0	2.8035959E+00								
(3P-,3P+)	F0	2.7534447E+00	G2	1.3734209E+00						
(3P-,3D-)	F0	2.8706067E+00	G1	1.5967394E+00						
(3P-,3D+)	F0	2.8554575E+00	G3	1.0238111E+00						
(3P-,4S+)	F0	1.4396630E+00	G1	1.2082233E-01						
(3P-,4P-)	F0	1.3862487E+00	G0	9.4221563E-02						
(3P-,4P+)	F0	1.3443806E+00	G2	1.0687193E-01						
(3P-,4D-)	F0	1.1760103E+00	G1	5.4924241E-02						
(3P-,4D+)	F0	1.1623971E+00	G3	5.5460470E-02						
(3P-,5S+)	F0	5.4652278E-01	G1	1.2106378E-02						
(3P-,5P-)	F0	4.3138945E-01	G0	5.9326158E-03						
(3P-,5P+)	F0	4.0833763E-01	G2	6.6241196E-03						
(3P+,3P+)	F0	2.7065997E+00	F2	1.3605899E+00						
(3P+,3D-)	F0	2.6143683E+00	F2	1.3499103E+00	G1	1.5187593E+00	G3	9.8209466E-01		
(3P+,3D+)	F0	2.8001849E+00	F2	1.3496530E+00	G1	1.5273738E+00	G3	9.8747141E-01		
(3P+,4S+)	F0	1.4323225E+00	G1	1.2094753E-01						
(3P+,4P-)	F0	1.3791189E+00	G2	1.1035642E-01						
(3P+,4P+)	F0	1.3377256E+00	F2	3.4840408E-01	G0	8.9426203E-02	G2	1.0625920E-01		
(3P+,4D-)	F0	1.1708959E+00	F2	2.5968977E-01	G1	5.4239497E-02	G3	5.6477465E-02		
(3P+,4D+)	F0	1.1573959E+00	F2	2.5387488E-01	G1	5.3150727E-02	G3	5.5417903E-02		
(3P+,5S+)	F0	5.4571413E-01	G1	1.2020623E-02						
(3P+,5P-)	F0	4.3089571E-01	G2	7.1857405E-03						
(3P+,5P+)	F0	4.0790183E-01	F2	2.6933602E-02	G0	5.3293580E-03	G2	6.5715169E-03		
(3D-,3D-)	F0	2.9919764E+00	F2	1.4938818E+00						
(3D-,3D+)	F0	2.9741463E+00	F2	1.4870090E+00	G2	1.4772319E+00	G4	9.4398386E-01		
(3D-,4S+)	F0	1.4501434E+00	G2	1.1787254E-01						
(3D-,4P-)	F0	1.3959807E+00	G1	1.0993701E-01						
(3D-,4P+)	F0	1.3534601E+00	F2	3.2430852E-01	G1	1.0286201E-01	G3	1.0055654E-01		
(3D-,4D-)	F0	1.1879256E+00	F2	2.5323227E-01	G0	8.0517689E-02	G2	9.4453870E-02		
(3D-,4D+)	F0	1.1740718E+00	F2	2.4777069E-01	G2	9.2177614E-02	G4	7.0436490E-02		
(3D-,5S+)	F0	5.4768271E-01	G2	1.1819359E-02						
(3D-,5P-)	F0	4.3206328E-01	G1	6.9735328E-03						
(3D-,5P+)	F0	4.0893285E-01	F2	2.4745526E-02	G1	6.2263687E-03	G3	6.2638017E-03		
(3D+,3D+)	F0	2.9567080E+00	F2	1.4805740E+00	F4	9.4623952E-01				
(3D+,4S+)	F0	1.4477924E+00	G2	1.1906689E-01						
(3D+,4P-)	F0	1.3936960E+00	G3	1.0849273E-01						
(3D+,4P+)	F0	1.3513274E+00	F2	3.2737220E-01	G1	1.0338357E-01	G3	1.0153973E-01		
(3D+,4D-)	F0	1.1861664E+00	F2	2.5524241E-01	G2	9.3553499E-02	G4	7.1890186E-02		
(3D+,4D+)	F0	1.1723618E+00	F2	2.4973267E-01	F4	1.1299804E-01	G0	7.8645213E-02	G2	9.2730981E-02 G4 7.1048936E-02
(3D+,5S+)	F0	5.4742287E-01	G2	1.1896938E-02						
(3D+,5P-)	F0	4.3190455E-01	G3	7.0873109E-03						
(3D+,5P+)	F0	4.0879270E-01	F2	2.5026587E-02	G1	6.2436173E-03	G3	6.3149196E-03		
(4S+,4S+)	F0	1.1354282E+00								
(4S+,4P-)	F0	1.1065088E+00	G1	7.5353614E-01						
(4S+,4P+)	F0	1.0857126E+00	G1	7.3400955E-01						
(4S+,4D-)	F0	9.8598306E-01	G2	4.6180420E-01						
(4S+,4D+)	F0	9.7788425E-01	G2	4.5426738E-01						
(4S+,5S+)	F0	5.1612419E-01	G0	2.1960425E-02						
(4S+,5P-)	F0	4.1355234E-01	G1	1.8466103E-02						
(4S+,5P+)	F0	3.9260195E-01	G1	1.8198731E-02						
(4P-,4P-)	F0	1.0799031E+00								

TABLE 1.– CONTINUED

ANTIMONY 5P3 Z=51

(4P-,4P+)	F0	1.0606494E+00	G2	5.5241262E-01			
(4P-,4D-)	F0	9.6677062E-01	G1	6.1133007E-01			
(4P-,4D+)	F0	9.5915138E-01	G3	3.7039979E-01			
(4P-,5S+)	F0	5.1360052E-01	G1	3.1210036E-02			
(4P-,5P-)	F0	4.1211697E-01	G0	1.4501070E-02			
(4P-,5P+)	F0	3.9131844E-01	G2	1.6821730E-02			
(4P+,4P+)	F0	1.0426355E+00	F2	5.4543961E-01			
(4P+,4D-)	F0	9.5305225E-01	F2	4.7989497E-01	G1	6.1072409E-01	G3 3.7628165E-01
(4P+,4D+)	F0	9.4579694E-01	F2	4.7499890E-01	G1	6.0379424E-01	G3 3.7174076E-01
(4P+,5S+)	F0	5.1174734E-01	G1	3.2938915E-02			
(4P+,5P-)	F0	4.1104739E-01	G2	1.8453685E-02			
(4P+,5P+)	F0	3.9036788E-01	F2	7.3849126E-02	G0	1.3322018E-02	G2 1.6782859E-02
(4D-,4D-)	F0	8.8230382E-01	F2	4.4189057E-01			
(4D-,4D+)	F0	8.7649930E-01	F2	4.3892401E-01	G2	4.3856249E-01	G4 2.8889622E-01
(4D-,5S+)	F0	5.0121109E-01	G2	6.3224791E-02			
(4D-,5P-)	F0	4.0524351E-01	G1	3.4200743E-02			
(4D-,5P+)	F0	3.8526722E-01	F2	9.0274811E-02	G1	2.8211081E-02	G3 2.5075568E-02
(4D+,4D+)	F0	8.7081644E-01	F2	4.3612326E-01	F4	2.8721655E-01	
(4D+,5S+)	F0	5.0030021E-01	G2	6.5560228E-02			
(4D+,5P-)	F0	4.0474099E-01	G3	3.0707369E-02			
(4D+,5P+)	F0	3.8482756E-01	F2	9.1592980E-02	G1	2.9439595E-02	G3 2.5919957E-02
(5S+,5S+)	F0	4.0496012E-01					
(5S+,5P-)	F0	3.5082094E-01	G1	2.2388605E-01			
(5S+,5P+)	F0	3.3807206E-01	G1	2.0608222E-01			
(5P-,5P-)	F0	3.1400014E-01					
(5P-,5P+)	F0	3.0487489E-01	G2	1.5659944E-01			

TELLURIUM 5P4 Z=52

(1S+,1S+)	F0	3.3912563E+01		
(1S+,2S+)	F0	1.0761248E+01	G0	1.1272925E+00
(1S+,2P-)	F0	1.2440580E+01	G1	2.2110639E+00
(1S+,2P+)	F0	1.1668302E+01	G1	2.0634730E+00
(1S+,3S+)	F0	4.1748947E+00	G0	2.0106767E-01
(1S+,3P-)	F0	4.4122385E+00	G1	3.8057459E-01
(1S+,3P+)	F0	4.2122779E+00	G1	3.6625892E-01
(1S+,3D-)	F0	4.1228813E+00	G2	1.5407101E-02
(1S+,3D+)	F0	4.0620088E+00	G2	1.5797044E-02
(1S+,4S+)	F0	1.7497219E+00	G0	4.1851179E-02
(1S+,4P-)	F0	1.7071963E+00	G1	7.2387740E-02
(1S+,4P+)	F0	1.6361121E+00	G1	6.9351078E-02
(1S+,4D-)	F0	1.3792656E+00	G2	2.4789711E-03
(1S+,4D+)	F0	1.3591502E+00	G2	2.5282867E-03
(1S+,5S+)	F0	6.1569994E-01	G0	5.1826664E-03
(1S+,5P-)	F0	4.9549833E-01	G1	5.9898489E-03
(1S+,5P+)	F0	4.6726528E-01	G1	5.4427115E-03
(2S+,2S+)	F0	7.5689312E+00		
(2S+,2P-)	F0	8.1340994E+00	G1	4.4381526E+00
(2S+,2P+)	F0	7.9564070E+00	G1	4.5081751E+00
(2S+,3S+)	F0	3.6213185E+00	G0	2.8417363E-01
(2S+,3P-)	F0	3.7555598E+00	G1	2.7727430E-01
(2S+,3P+)	F0	3.6379107E+00	G1	2.5843366E-01

TABLE 1.– CONTINUED

TELLURIUM 5P4 Z=52

(2S+,3D-)	F0	3.9708675E+00	G2	8.7370121E-01				
(2S+,3D+)	F0	3.9224548E+00	G2	8.5190308E-01				
(2S+,4S+)	F0	1.6343456E+00	G0	5.1351156E-02				
(2S+,4P-)	F0	1.5837128E+00	G1	4.8126105E-02				
(2S+,4P+)	F0	1.5289587E+00	G1	4.4284808E-02				
(2S+,4D-)	F0	1.3565146E+00	G2	1.1046903E-01				
(2S+,4D+)	F0	1.3383920E+00	G2	1.0757145E-01				
(2S+,5S+)	F0	6.0140684E-01	G0	6.2078540E-03				
(2S+,5P-)	F0	4.8529696E-01	G1	3.9289506E-03				
(2S+,5P+)	F0	4.5887348E-01	G1	3.4261479E-03				
(2P-,2P-)	F0	9.0501174E+00						
(2P-,2P+)	F0	8.7944863E+00	G2	4.0394547E+00				
(2P-,3S+)	F0	3.7080525E+00	G1	3.4120720E-01				
(2P-,3P-)	F0	3.8781086E+00	G0	3.6492096E-01				
(2P-,3P+)	F0	3.7532182E+00	G2	3.5961916E-01				
(2P-,3D-)	F0	4.0216083E+00	G1	8.9380438E-01				
(2P-,3D+)	F0	3.9696064E+00	G3	4.8934063E-01				
(2P-,4S+)	F0	1.6521351E+00	G1	6.4292304E-02				
(2P-,4P-)	F0	1.6063692E+00	G0	6.0777602E-02				
(2P-,4P+)	F0	1.5501367E+00	G2	6.2845692E-02				
(2P-,4D-)	F0	1.3639893E+00	G1	1.1571289E-01				
(2P-,4D+)	F0	1.3453026E+00	G3	6.4270329E-02				
(2P-,5S+)	F0	6.0360452E-01	G1	7.8261783E-03				
(2P-,5P-)	F0	4.8716390E-01	G0	4.9314100E-03				
(2P-,5P+)	F0	4.6052823E-01	G2	4.8746646E-03				
(2P+,2P+)	F0	8.5637695E+00	F2	4.0685781E+00				
(2P+,3S+)	F0	3.6799600E+00	G1	3.3741659E-01				
(2P+,3P-)	F0	3.8426272E+00	G2	3.6733748E-01				
(2P+,3P+)	F0	3.7206861E+00	F2	8.6311053E-01	G0	3.3853420E-01	G2	3.6539606E-01
(2P+,3D-)	F0	4.0066357E+00	F2	1.1041524E+00	G1	9.5837757E-01	G3	5.4985533E-01
(2P+,3D+)	F0	3.9556314E+00	F2	1.0720464E+00	G1	9.4342033E-01	G3	5.4140106E-01
(2P+,4S+)	F0	1.6463442E+00	G1	6.3194775E-02				
(2P+,4P-)	F0	1.5997674E+00	G2	6.4367227E-02				
(2P+,4P+)	F0	1.5441307E+00	F2	1.6049729E-01	G0	5.5722490E-02	G2	6.3712348E-02
(2P+,4D-)	F0	1.3618252E+00	F2	1.4361581E-01	G1	1.2169843E-01	G3	7.1269775E-02
(2P+,4D+)	F0	1.3432932E+00	F2	1.3876443E-01	G1	1.1976577E-01	G3	7.0111347E-02
(2P+,5S+)	F0	6.0288848E-01	G1	7.6850271E-03				
(2P+,5P-)	F0	4.8661936E-01	G2	5.2615083E-03				
(2P+,5P+)	F0	4.6005858E-01	F2	1.2920988E-02	G0	4.2853993E-03	G2	4.9402817E-03
(3S+,3S+)	F0	2.7870871E+00						
(3S+,3P-)	F0	2.8292378E+00	G1	1.8307590E+00				
(3S+,3P+)	F0	2.7802238E+00	G1	1.8251752E+00				
(3S+,3D-)	F0	2.8960485E+00	G2	1.2014283E+00				
(3S+,3D+)	F0	2.8812468E+00	G2	1.2073206E+00				
(3S+,4S+)	F0	1.4800020E+00	G0	9.6094983E-02				
(3S+,4P-)	F0	1.4290835E+00	G1	9.9927314E-02				
(3S+,4P+)	F0	1.3854856E+00	G1	1.0081762E-01				
(3S+,4D-)	F0	1.2340559E+00	G2	5.5203996E-02				
(3S+,4D+)	F0	1.2201474E+00	G2	5.4133019E-02				
(3S+,5S+)	F0	5.8255615E-01	G0	1.0232249E-02				
(3S+,5P-)	F0	4.7267516E-01	G1	7.4382038E-03				
(3S+,5P+)	F0	4.4776039E-01	G1	7.1188092E-03				
(3P-,3P-)	F0	2.8809158E+00						
(3P-,3P+)	F0	2.8274364E+00	G2	1.4094075E+00				
(3P-,3D-)	F0	2.9516857E+00	G1	1.6388139E+00				

TABLE 1.– CONTINUED

TELLURIUM 5P4 Z=52

(3P-,3D+)	F0	2.9355551E+00	G3	1.0519729E+00				
(3P-,4S+)	F0	1.4873442E+00	G1	1.2577713E-01				
(3P-,4P-)	F0	1.4372430E+00	G0	9.8882222E-02				
(3P-,4P+)	F0	1.3930500E+00	G2	1.1212322E-01				
(3P-,4D-)	F0	1.2396970E+00	G1	5.9609417E-02				
(3P-,4D+)	F0	1.2256569E+00	G3	6.0455567E-02				
(3P-,5S+)	F0	5.8344663E-01	G1	1.3740543E-02				
(3P-,5P-)	F0	4.7333690E-01	G0	7.2206513E-03				
(3P-,5P+)	F0	4.4834305E-01	G2	8.1033098E-03				
(3P+,3P+)	F0	2.7776181E+00	F2	1.3960872E+00				
(3P+,3D-)	F0	2.8916362E+00	F2	1.3862683E+00	G1	1.5548716E+00	G3	1.0069721E+00
(3P+,3D+)	F0	2.8765731E+00	F2	1.3861345E+00	G1	1.5643178E+00	G3	1.0128934E+00
(3P+,4S+)	F0	1.4793890E+00	G1	1.2585780E-01				
(3P+,4P-)	F0	1.4294495E+00	G2	1.1575274E-01				
(3P+,4P+)	F0	1.3857856E+00	F2	3.6444028E-01	G0	9.3758121E-02	G2	1.1143140E-01
(3P+,4D-)	F0	1.2339033E+00	F2	2.8114060E-01	G1	5.9101115E-02	G3	6.1673345E-02
(3P+,4D+)	F0	1.2199875E+00	F2	2.7500411E-01	G1	5.7867849E-02	G3	6.0522195E-02
(3P+,5S+)	F0	5.8248809E-01	G1	1.3631478E-02				
(3P+,5P-)	F0	4.7270794E-01	G2	8.7527859E-03				
(3P+,5P+)	F0	4.4778664E-01	F2	3.2480905E-02	G0	6.5022144E-03	G2	8.0339627E-03
(3D-,3D-)	F0	3.0793955E+00	F2	1.5392953E+00				
(3D-,3D+)	F0	3.0603659E+00	F2	1.5319866E+00	G2	1.5213643E+00	G4	9.7264628E-01
(3D-,4S+)	F0	1.4985928E+00	G2	1.2219218E-01				
(3D-,4P-)	F0	1.4477642E+00	G1	1.1493397E-01				
(3D-,4P+)	F0	1.4028572E+00	F2	3.3856705E-01	G1	1.0746402E-01	G3	1.0517202E-01
(3D-,4D-)	F0	1.2529701E+00	F2	2.7387285E-01	G0	8.7303164E-02	G2	1.0284634E-01
(3D-,4D+)	F0	1.2386739E+00	F2	2.6814895E-01	G2	1.0041896E-01	G4	7.6858687E-02
(3D-,5S+)	F0	5.8480783E-01	G2	1.3378503E-02				
(3D-,5P-)	F0	4.7418563E-01	G1	8.4655553E-03				
(3D-,5P+)	F0	4.4909493E-01	F2	2.9794493E-02	G1	7.5826421E-03	G3	7.6463789E-03
(3D+,3D+)	F0	3.0417720E+00	F2	1.5251658E+00	F4	9.7520931E-01		
(3D+,4S+)	F0	1.4960484E+00	G2	1.2344260E-01				
(3D+,4P-)	F0	1.4452692E+00	G3	1.1358053E-01				
(3D+,4P+)	F0	1.4005310E+00	F2	3.4185866E-01	G1	1.0799879E-01	G3	1.0622290E-01
(3D+,4D-)	F0	1.2509751E+00	F2	2.7608147E-01	G2	1.0180762E-01	G4	7.8376366E-02
(3D+,4D+)	F0	1.2367340E+00	F2	2.7030552E-01	F4	1.2324448E-01	G0	8.5313537E-02
(3D+,5S+)	F0	5.8450013E-01	G2	1.3465952E-02				
(3D+,5P-)	F0	4.7398356E-01	G3	8.6257418E-03				
(3D+,5P+)	F0	4.4891608E-01	F2	3.0138587E-02	G1	7.6021312E-03	G3	7.7097859E-03
(4S+,4S+)	F0	1.1739031E+00						
(4S+,4P-)	F0	1.1464679E+00	G1	7.8091214E-01				
(4S+,4P+)	F0	1.1245816E+00	G1	7.6073425E-01				
(4S+,4D-)	F0	1.0342667E+00	G2	4.9081027E-01				
(4S+,4D+)	F0	1.0260817E+00	G2	4.8335238E-01				
(4S+,5S+)	F0	5.4919089E-01	G0	2.4443204E-02				
(4S+,5P-)	F0	4.5175075E-01	G1	2.1755799E-02				
(4S+,5P+)	F0	4.2925325E-01	G1	2.1538123E-02				
(4P-,4P-)	F0	1.1210990E+00						
(4P-,4P+)	F0	1.1007046E+00	G2	5.7338084E-01				
(4P-,4D-)	F0	1.0153175E+00	G1	6.4690043E-01				
(4P-,4D+)	F0	1.0075919E+00	G3	3.9334976E-01				
(4P-,5S+)	F0	5.4658667E-01	G1	3.4506168E-02				
(4P-,5P-)	F0	4.5016515E-01	G0	1.7157443E-02				
(4P-,5P+)	F0	4.2783140E-01	G2	2.0061975E-02				
(4P+,4P+)	F0	1.0816608E+00	F2	5.6618966E-01				

TABLE 1.– CONTINUED

TELLURIUM 5P4 Z=52

(4P+,4D-)	F0	1.0003006E+00	F2	5.0634844E-01	G1	6.4484006E-01	G3	3.9850198E-01
(4P+,4D+)	F0	9.9296648E-01	F2	5.0152812E-01	G1	6.3823227E-01	G3	3.9411861E-01
(4P+,5S+)	F0	5.4446256E-01	G1	3.6316865E-02				
(4P+,5P-)	F0	4.4884900E-01	G2	2.1920175E-02				
(4P+,5P+)	F0	4.2665906E-01	F2	8.6018452E-02	G0	1.5792687E-02	G2	1.9995167E-02
(4D-,4D-)	F0	9.3443192E-01	F2	4.6989595E-01				
(4D-,4D+)	F0	9.2842107E-01	F2	4.6685563E-01	G2	4.6643057E-01	G4	3.0826921E-01
(4D-,5S+)	F0	5.3432513E-01	G2	6.4879316E-02				
(4D-,5P-)	F0	4.4283114E-01	G1	3.7087183E-02				
(4D-,5P+)	F0	4.2134974E-01	F2	1.0201887E-01	G1	3.0735809E-02	G3	2.7990893E-02
(4D+,4D+)	F0	9.2253693E-01	F2	4.6399242E-01	F4	3.0659068E-01		
(4D+,5S+)	F0	5.3336590E-01	G2	6.7222828E-02				
(4D+,5P-)	F0	4.4225999E-01	G3	3.4063478E-02				
(4D+,5P+)	F0	4.2084774E-01	F2	1.0343582E-01	G1	3.1966904E-02	G3	2.8862987E-02
(5S+,5S+)	F0	4.3238370E-01						
(5S+,5P-)	F0	3.8132182E-01	G1	2.4719397E-01				
(5S+,5P+)	F0	3.6785153E-01	G1	2.2826529E-01				
(5P-,5P-)	F0	3.4523356E-01						
(5P-,5P+)	F0	3.3529783E-01	G2	1.7357382E-01				
(5P+,5P+)	F0	3.2622775E-01	F2	1.6933287E-01				

IODINE 5P5 Z=53

(1S+,1S+)	F0	3.4653346E+01		
(1S+,2S+)	F0	1.1014686E+01	G0	1.1590628E+00
(1S+,2P-)	F0	1.2741829E+01	G1	2.2635293E+00
(1S+,2P+)	F0	1.1918928E+01	G1	2.1069212E+00
(1S+,3S+)	F0	4.2857221E+00	G0	2.0824298E-01
(1S+,3P-)	F0	4.5352786E+00	G1	3.9291395E-01
(1S+,3P+)	F0	4.3220061E+00	G1	3.7781153E-01
(1S+,3D-)	F0	4.2370392E+00	G2	1.6010715E-02
(1S+,3D+)	F0	4.1720763E+00	G2	1.6441221E-02
(1S+,4S+)	F0	1.8099062E+00	G0	4.4124731E-02
(1S+,4P-)	F0	1.7731902E+00	G1	7.6525273E-02
(1S+,4P+)	F0	1.6974711E+00	G1	7.3333314E-02
(1S+,4D-)	F0	1.4531789E+00	G2	2.7294372E-03
(1S+,4D+)	F0	1.4319395E+00	G2	2.7912219E-03
(1S+,5S+)	F0	6.5569838E-01	G0	5.8962573E-03
(1S+,5P-)	F0	5.3912173E-01	G1	7.1520544E-03
(1S+,5P+)	F0	5.0799184E-01	G1	6.5061521E-03
(2S+,2S+)	F0	7.7430100E+00		
(2S+,2P-)	F0	8.3238888E+00	G1	4.5336918E+00
(2S+,2P+)	F0	8.1343560E+00	G1	4.6083369E+00
(2S+,3S+)	F0	3.7137698E+00	G0	2.9296049E-01
(2S+,3P-)	F0	3.8553710E+00	G1	2.8603891E-01
(2S+,3P+)	F0	3.7303604E+00	G1	2.6593407E-01
(2S+,3D-)	F0	4.0792680E+00	G2	9.0326345E-01
(2S+,3D+)	F0	4.0277236E+00	G2	8.8006783E-01
(2S+,4S+)	F0	1.6885334E+00	G0	5.3818858E-02
(2S+,4P-)	F0	1.6422726E+00	G1	5.0782191E-02
(2S+,4P+)	F0	1.5843456E+00	G1	4.6637852E-02
(2S+,4D-)	F0	1.4281979E+00	G2	1.2033696E-01

TABLE 1.– CONTINUED

IODINE 5P5 Z=53

(2S+,4D+)	F0	1.4091991E+00	G2	1.1724679E-01		
(2S+,5S+)	F0	6.3947276E-01	G0	7.0136388E-03		
(2S+,5P-)	F0	5.2690670E-01	G1	4.6789260E-03		
(2S+,5P+)	F0	4.9797763E-01	G1	4.0752729E-03		
(2P-,2P-)	F0	9.2664235E+00				
(2P-,2P+)	F0	8.9935031E+00	G2	4.1248441E+00		
(2P-,3S+)	F0	3.8036323E+00	G1	3.5113617E-01		
(2P-,3P-)	F0	3.9825628E+00	G0	3.7693809E-01		
(2P-,3P+)	F0	3.8497810E+00	G2	3.7036305E-01		
(2P-,3D-)	F0	4.1321579E+00	G1	9.2336931E-01		
(2P-,3D+)	F0	4.0767334E+00	G3	5.0473741E-01		
(2P-,4S+)	F0	1.7072965E+00	G1	6.7288920E-02		
(2P-,4P-)	F0	1.6663443E+00	G0	6.4177412E-02		
(2P-,4P+)	F0	1.6068201E+00	G2	6.6266686E-02		
(2P-,4D-)	F0	1.4364366E+00	G1	1.2607772E-01		
(2P-,4D+)	F0	1.4168031E+00	G3	7.0027178E-02		
(2P-,5S+)	F0	6.4197381E-01	G1	8.8322713E-03		
(2P-,5P-)	F0	5.2914658E-01	G0	5.8747437E-03		
(2P-,5P+)	F0	4.9996228E-01	G2	5.8063681E-03		
(2P+,2P+)	F0	8.7482428E+00	F2	4.1565420E+00		
(2P+,3S+)	F0	3.7734215E+00	G1	3.4707941E-01		
(2P+,3P-)	F0	3.9443369E+00	G2	3.7851409E-01		
(2P+,3P+)	F0	3.8148461E+00	F2	8.8829077E-01	G0	3.4866207E-01	G2	3.7651803E-01
(2P+,3D-)	F0	4.1159889E+00	F2	1.1411251E+00	G1	9.9263130E-01	G3	5.6962104E-01
(2P+,3D+)	F0	4.0616820E+00	F2	1.1067979E+00	G1	9.7684569E-01	G3	5.6070038E-01
(2P+,4S+)	F0	1.7009563E+00	G1	6.6089432E-02		
(2P+,4P-)	F0	1.6590624E+00	G2	6.7829441E-02		
(2P+,4P+)	F0	1.6002110E+00	F2	1.6904614E-01	G0	5.8703143E-02	G2	6.7210564E-02
(2P+,4D-)	F0	1.4339661E+00	F2	1.5624342E-01	G1	1.3277782E-01	G3	7.7817342E-02
(2P+,4D+)	F0	1.4145127E+00	F2	1.5096743E-01	G1	1.3081284E-01	G3	7.6634615E-02
(2P+,5S+)	F0	6.4112789E-01	G1	8.6655856E-03		
(2P+,5P-)	F0	5.2846828E-01	G2	6.2576911E-03		
(2P+,5P+)	F0	4.9937816E-01	F2	1.5325620E-02	G0	5.0971575E-03	G2	5.8869781E-03
(3S+,3S+)	F0	2.8586205E+00				
(3S+,3P-)	F0	2.9035996E+00	G1	1.8767831E+00		
(3S+,3P+)	F0	2.8515108E+00	G1	1.8712759E+00		
(3S+,3D-)	F0	2.9736599E+00	G2	1.2305879E+00		
(3S+,3D+)	F0	2.9579538E+00	G2	1.2370435E+00		
(3S+,4S+)	F0	1.5274256E+00	G0	1.0001574E-01		
(3S+,4P-)	F0	1.4796208E+00	G1	1.0440661E-01		
(3S+,4P+)	F0	1.4336465E+00	G1	1.0545442E-01		
(3S+,4D-)	F0	1.2954133E+00	G2	5.9811951E-02		
(3S+,4D+)	F0	1.2809880E+00	G2	5.8606259E-02		
(3S+,5S+)	F0	6.1824810E-01	G0	1.1437008E-02		
(3S+,5P-)	F0	5.1192017E-01	G1	8.7345207E-03		
(3S+,5P+)	F0	4.8478988E-01	G1	8.3739322E-03		
(3P-,3P-)	F0	2.9587125E+00				
(3P-,3P+)	F0	2.9017370E+00	G2	1.4454329E+00		
(3P-,3D-)	F0	3.0330706E+00	G1	1.6810860E+00		
(3P-,3D+)	F0	3.0159086E+00	G3	1.0802320E+00		
(3P-,4S+)	F0	1.5353832E+00	G1	1.3079559E-01		
(3P-,4P-)	F0	1.4885029E+00	G0	1.0360309E-01		
(3P-,4P+)	F0	1.4418707E+00	G2	1.1742580E-01		
(3P-,4D-)	F0	1.3017393E+00	G1	6.4219549E-02		
(3P-,4D+)	F0	1.2871692E+00	G3	6.5369924E-02		

TABLE 1.– CONTINUED

IODINE 5P5 Z=53

(3P-,5S+)	F0	6.1928868E-01	G1	1.5360228E-02				
(3P-,5P-)	F0	5.1273292E-01	G0	8.4966868E-03				
(3P-,5P+)	F0	4.8550529E-01	G2	9.5552022E-03				
(3P+,3P+)	F0	2.8488092E+00	F2	1.4316300E+00				
(3P+,3D-)	F0	2.9690301E+00	F2	1.4226218E+00	G1	1.5908865E+00	G3	1.0317891E+00
(3P+,3D+)	F0	2.9530464E+00	F2	1.4226195E+00	G1	1.6012063E+00	G3	1.0382838E+00
(3P+,4S+)	F0	1.5267752E+00	G1	1.3082937E-01				
(3P+,4P-)	F0	1.4800031E+00	G2	1.2120480E-01				
(3P+,4P+)	F0	1.4339595E+00	F2	3.8057163E-01	G0	9.8132007E-02	G2	1.1664794E-01
(3P+,4D-)	F0	1.2952315E+00	F2	3.0219861E-01	G1	6.3930461E-02	G3	6.6822585E-02
(3P+,4D+)	F0	1.2807982E+00	F2	2.9570532E-01	G1	6.2528524E-02	G3	6.5564559E-02
(3P+,5S+)	F0	6.1817033E-01	G1	1.5225214E-02				
(3P+,5P-)	F0	5.1195899E-01	G2	1.0305642E-02				
(3P+,5P+)	F0	4.8482103E-01	F2	3.7887908E-02	G0	7.6483392E-03	G2	9.4673788E-03
(3D-,3D-)	F0	3.1669308E+00	F2	1.5847416E+00				
(3D-,3D+)	F0	3.1466445E+00	F2	1.5769766E+00	G2	1.5654615E+00	G4	1.0012856E+00
(3D-,4S+)	F0	1.5473870E+00	G2	1.2658556E-01				
(3D-,4P-)	F0	1.4998041E+00	G1	1.1998974E-01				
(3D-,4P+)	F0	1.4523953E+00	F2	3.5291800E-01	G1	1.1210480E-01	G3	1.0982716E-01
(3D-,4D-)	F0	1.3163648E+00	F2	2.9411874E-01	G0	9.3946343E-02	G2	1.1110570E-01
(3D-,4D+)	F0	1.3015220E+00	F2	2.8810193E-01	G2	1.0850999E-01	G4	8.3177160E-02
(3D-,5S+)	F0	6.2085445E-01	G2	1.4919629E-02				
(3D-,5P-)	F0	5.1376120E-01	G1	9.9373975E-03				
(3D-,5P+)	F0	4.8641632E-01	F2	3.4700230E-02	G1	8.9040481E-03	G3	8.9988337E-03
(3D+,3D+)	F0	3.1268417E+00	F2	1.5697541E+00	F4	1.0041771E+00		
(3D+,4S+)	F0	1.5446369E+00	G2	1.2789519E-01				
(3D+,4P-)	F0	1.4970852E+00	G3	1.1873099E-01				
(3D+,4P+)	F0	1.4498635E+00	F2	3.5644867E-01	G1	1.1265306E-01	G3	1.1094940E-01
(3D+,4D-)	F0	1.3141216E+00	F2	2.9653117E-01	G2	1.0991913E-01	G4	8.4767155E-02
(3D+,4D+)	F0	1.2993404E+00	F2	2.9045801E-01	F4	1.3333693E-01	G0	9.1825260E-02
(3D+,5S+)	F0	6.2049575E-01	G2	1.5016879E-02				
(3D+,5P-)	F0	5.1351268E-01	G3	1.0149805E-02				
(3D+,5P+)	F0	4.8619643E-01	F2	3.5108833E-02	G1	8.9252516E-03	G3	9.0747592E-03
(4S+,4S+)	F0	1.2126650E+00						
(4S+,4P-)	F0	1.1866559E+00	G1	8.0834736E-01				
(4S+,4P+)	F0	1.1636182E+00	G1	7.8748294E-01				
(4S+,4D-)	F0	1.0813633E+00	G2	5.1847228E-01				
(4S+,4D+)	F0	1.0730166E+00	G2	5.1105803E-01				
(4S+,5S+)	F0	5.8125333E-01	G0	2.6843793E-02				
(4S+,5P-)	F0	4.8746984E-01	G1	2.4854961E-02				
(4S+,5P+)	F0	4.6317203E-01	G1	2.4653644E-02				
(4P-,4P-)	F0	1.1624982E+00						
(4P-,4P+)	F0	1.1409004E+00	G2	5.9434054E-01				
(4P-,4D-)	F0	1.0628001E+00	G1	6.8098345E-01				
(4P-,4D+)	F0	1.0548941E+00	G3	4.1533222E-01				
(4P-,5S+)	F0	5.7860487E-01	G1	3.7680392E-02				
(4P-,5P-)	F0	4.8577590E-01	G0	1.9688450E-02				
(4P-,5P+)	F0	4.6165285E-01	G2	2.3120452E-02				
(4P+,4P+)	F0	1.1207734E+00	F2	5.8692990E-01				
(4P+,4D-)	F0	1.0464537E+00	F2	5.3182154E-01	G1	6.7738431E-01	G3	4.1974821E-01
(4P+,4D+)	F0	1.0389702E+00	F2	5.2703095E-01	G1	6.7105310E-01	G3	4.1549319E-01
(4P+,5S+)	F0	5.7620227E-01	G1	3.9563880E-02				
(4P+,5P-)	F0	4.8420729E-01	G2	2.5232580E-02				
(4P+,5P+)	F0	4.6025630E-01	F2	9.7458482E-02	G0	1.8110813E-02	G2	2.3021406E-02
(4D-,4D-)	F0	9.8502967E-01	F2	4.9684183E-01				

TABLE 1.– CONTINUED

IODINE 5P5 Z=53

(4D-,4D+)	F0 9.7876336E-01	F2 4.9369919E-01	G2 4.9320477E-01	G4 3.2686785E-01
(4D-,5S+)	F0 5.6646512E-01	G2 6.6614034E-02		
(4D-,5P-)	F0 4.7809818E-01	G1 3.9751497E-02		
(4D-,5P+)	F0 4.5486247E-01	F2 1.1286671E-01	G1 3.3023387E-02	G3 3.0647239E-02
(4D+,4D+)	F0 9.7263072E-01	F2 4.9074735E-01	F4 3.2517596E-01	
(4D+,5S+)	F0 5.6544759E-01	G2 6.8977444E-02		
(4D+,5P-)	F0 4.7745673E-01	G3 3.7180533E-02		
(4D+,5P+)	F0 4.5429800E-01	F2 1.1438123E-01	G1 3.4252256E-02	G3 3.1543028E-02
(5S+,5S+)	F0 4.5893436E-01			
(5S+,5P-)	F0 4.0996310E-01	G1 2.6865250E-01		
(5S+,5P+)	F0 3.9558921E-01	G1 2.4841417E-01		
(5P-,5P-)	F0 3.7432441E-01			
(5P-,5P+)	F0 3.6347533E-01	G2 1.8905642E-01		
(5P+,5P+)	F0 3.5358668E-01	F2 1.8449330E-01		

XENON 5P6 Z=54

(1S+,1S+)	F0 3.5399394E+01	
(1S+,2S+)	F0 1.1270361E+01	G0 1.1913710E+00
(1S+,2P-)	F0 1.3046064E+01	G1 2.3161545E+00
(1S+,2P+)	F0 1.2170097E+01	G1 2.1501498E+00
(1S+,3S+)	F0 4.3974152E+00	G0 2.1554805E-01
(1S+,3P-)	F0 4.6593311E+00	G1 4.0531419E-01
(1S+,3P+)	F0 4.4320809E+00	G1 3.8939430E-01
(1S+,3D-)	F0 4.3513595E+00	G2 1.6610237E-02
(1S+,3D+)	F0 4.2821168E+00	G2 1.7084012E-02
(1S+,4S+)	F0 1.8706290E+00	G0 4.6458286E-02
(1S+,4P-)	F0 1.8396768E+00	G1 8.0725129E-02
(1S+,4P+)	F0 1.7590694E+00	G1 7.7374707E-02
(1S+,4D-)	F0 1.5257238E+00	G2 2.9817619E-03
(1S+,4D+)	F0 1.5032362E+00	G2 3.0570940E-03
(1S+,5S+)	F0 6.9466445E-01	G0 6.6200533E-03
(1S+,5P-)	F0 5.8091546E-01	G1 8.3257204E-03
(1S+,5P+)	F0 5.4674649E-01	G1 7.5760639E-03
(2S+,2S+)	F0 7.9183428E+00	
(2S+,2P-)	F0 8.5151388E+00	G1 4.6295930E+00
(2S+,2P+)	F0 8.3131647E+00	G1 4.7090585E+00
(2S+,3S+)	F0 3.8068188E+00	G0 3.0185380E-01
(2S+,3P-)	F0 3.9558312E+00	G1 2.9487314E-01
(2S+,3P+)	F0 3.8231112E+00	G1 2.7345355E-01
(2S+,3D-)	F0 4.1878271E+00	G2 9.3269466E-01
(2S+,3D+)	F0 4.1330075E+00	G2 9.0804709E-01
(2S+,4S+)	F0 1.7431212E+00	G0 5.6333725E-02
(2S+,4P-)	F0 1.7011492E+00	G1 5.3479251E-02
(2S+,4P+)	F0 1.6398902E+00	G1 4.9016162E-02
(2S+,4D-)	F0 1.4984962E+00	G2 1.3015701E-01
(2S+,4D+)	F0 1.4785141E+00	G2 1.2686292E-01
(2S+,5S+)	F0 6.7648659E-01	G0 7.8210605E-03
(2S+,5P-)	F0 5.6665299E-01	G1 5.4335640E-03
(2S+,5P+)	F0 5.3510452E-01	G1 4.7227654E-03
(2P-,2P-)	F0 9.4845744E+00	
(2P-,2P+)	F0 9.1934743E+00	G2 4.2101855E+00

TABLE 1.– CONTINUED

XENON 5P6 Z=54

(2P-,3S+)	F0	3.8998617E+00	G1	3.6113567E-01				
(2P-,3P-)	F0	4.0877448E+00	G0	3.8911237E-01				
(2P-,3P+)	F0	3.9466928E+00	G2	3.8114774E-01				
(2P-,3D-)	F0	4.2428796E+00	G1	9.5277269E-01				
(2P-,3D+)	F0	4.1838736E+00	G3	5.1996851E-01				
(2P-,4S+)	F0	1.7628828E+00	G1	7.0330562E-02				
(2P-,4P-)	F0	1.7266726E+00	G0	6.7641558E-02				
(2P-,4P+)	F0	1.6636902E+00	G2	6.9731863E-02				
(2P-,4D-)	F0	1.5075095E+00	G1	1.3639637E-01				
(2P-,4D+)	F0	1.4868167E+00	G3	7.5739535E-02				
(2P-,5S+)	F0	6.7929537E-01	G1	9.8373199E-03				
(2P-,5P-)	F0	5.6927327E-01	G0	6.8254485E-03				
(2P-,5P+)	F0	5.3742340E-01	G2	6.7383203E-03				
(2P+,2P+)	F0	8.9330308E+00	F2	4.2446225E+00				
(2P+,3S+)	F0	3.8674124E+00	G1	3.5680255E-01				
(2P+,3P-)	F0	4.0466161E+00	G2	3.8975513E-01				
(2P+,3P+)	F0	3.9092298E+00	F2	9.1356706E-01	G0	3.5884261E-01	G2	3.8769418E-01
(2P+,3D-)	F0	4.2254502E+00	F2	1.1781969E+00	G1	1.0269474E+00	G3	5.8942383E-01
(2P+,3D+)	F0	4.1676933E+00	F2	1.1415466E+00	G1	1.0103075E+00	G3	5.8002241E-01
(2P+,4S+)	F0	1.7559551E+00	G1	6.9022877E-02				
(2P+,4P-)	F0	1.7186615E+00	G2	7.1335363E-02				
(2P+,4P+)	F0	1.6564370E+00	F2	1.7770044E-01	G0	6.1721326E-02	G2	7.0756757E-02
(2P+,4D-)	F0	1.5047112E+00	F2	1.6884285E-01	G1	1.4384253E-01	G3	8.4363831E-02
(2P+,4D+)	F0	1.4842272E+00	F2	1.6311281E-01	G1	1.4184565E-01	G3	8.3156634E-02
(2P+,5S+)	F0	6.7830975E-01	G1	9.6432828E-03				
(2P+,5P-)	F0	5.6844991E-01	G2	7.2572692E-03				
(2P+,5P+)	F0	5.3671609E-01	F2	1.7724647E-02	G0	5.9072607E-03	G2	6.8347135E-03
(3S+,3S+)	F0	2.9305715E+00						
(3S+,3P-)	F0	2.9783970E+00	G1	1.9229783E+00				
(3S+,3P+)	F0	2.9230842E+00	G1	1.9175469E+00				
(3S+,3D-)	F0	3.0515318E+00	G2	1.2598589E+00				
(3S+,3D+)	F0	3.0348770E+00	G2	1.2669008E+00				
(3S+,4S+)	F0	1.5751487E+00	G0	1.0398654E-01				
(3S+,4P-)	F0	1.5303639E+00	G1	1.0891834E-01				
(3S+,4P+)	F0	1.4818959E+00	G1	1.1013419E-01				
(3S+,4D-)	F0	1.3554806E+00	G2	6.4404205E-02				
(3S+,4D+)	F0	1.3404564E+00	G2	6.3046642E-02				
(3S+,5S+)	F0	6.5289737E-01	G0	1.2622827E-02				
(3S+,5P-)	F0	5.4929755E-01	G1	1.0008674E-02				
(3S+,5P+)	F0	5.1985433E-01	G1	9.6043384E-03				
(3P-,3P-)	F0	3.0369784E+00						
(3P-,3P+)	F0	2.9763322E+00	G2	1.4814877E+00				
(3P-,3D-)	F0	3.1147397E+00	G1	1.7235724E+00				
(3P-,3D+)	F0	3.0964948E+00	G3	1.1085940E+00				
(3P-,4S+)	F0	1.5837383E+00	G1	1.3586954E-01				
(3P-,4P-)	F0	1.5399912E+00	G0	1.0837754E-01				
(3P-,4P+)	F0	1.4907985E+00	G2	1.2276958E-01				
(3P-,4D-)	F0	1.3625103E+00	G1	6.8772139E-02				
(3P-,4D+)	F0	1.3473270E+00	G3	7.0219389E-02				
(3P-,5S+)	F0	6.5409422E-01	G1	1.6953873E-02				
(3P-,5P-)	F0	5.5026876E-01	G0	9.7566125E-03				
(3P-,5P+)	F0	5.2070818E-01	G2	1.0983490E-02				
(3P+,3P+)	F0	2.9201550E+00	F2	1.4672112E+00				
(3P+,3D-)	F0	3.0465238E+00	F2	1.4589663E+00	G1	1.6268151E+00	G3	1.0565500E+00
(3P+,3D+)	F0	3.0295775E+00	F2	1.4591032E+00	G1	1.6380508E+00	G3	1.0636470E+00

TABLE 1.– CONTINUED

XENON 5P6 Z=54

(3P+,4S+)	F0 1.5744385E+00	G1 1.3585404E-01						
(3P+,4P-)	F0 1.5307414E+00	G2 1.2670390E-01						
(3P+,4P+)	F0 1.4822023E+00	F2 3.9677103E-01	G0 1.0253951E-01	G2 1.2189827E-01				
(3P+,4D-)	F0 1.3552514E+00	F2 3.2294270E-01	G1 6.8743839E-02	G3 7.1939176E-02				
(3P+,4D+)	F0 1.3402188E+00	F2 3.1606150E-01	G1 6.7150059E-02	G3 7.0559936E-02				
(3P+,5S+)	F0 6.5280669E-01	G1 1.6790434E-02						
(3P+,5P-)	F0 5.4934026E-01	G2 1.1838449E-02						
(3P+,5P+)	F0 5.1988847E-01	F2 4.3184379E-02	G0 8.7713444E-03	G2 1.0875392E-02				
(3D-,3D-)	F0 3.2545372E+00	F2 1.6301968E+00						
(3D-,3D+)	F0 3.2329359E+00	F2 1.6219543E+00	G2 1.6094982E+00	G4 1.0298853E+00				
(3D-,4S+)	F0 1.5964796E+00	G2 1.3104416E-01						
(3D-,4P-)	F0 1.5520577E+00	G1 1.2509574E-01						
(3D-,4P+)	F0 1.5020248E+00	F2 3.6733865E-01	G1 1.1677395E-01	G3 1.1451183E-01				
(3D-,4D-)	F0 1.3784778E+00	F2 3.1405232E-01	G0 1.0047373E-01	G2 1.1925776E-01				
(3D-,4D+)	F0 1.3630044E+00	F2 3.0771607E-01	G2 1.1647775E-01	G4 8.9410963E-02				
(3D-,5S+)	F0 6.5586470E-01	G2 1.6432408E-02						
(3D-,5P-)	F0 5.5147877E-01	G1 1.1384683E-02						
(3D-,5P+)	F0 5.2177939E-01	F2 3.9492250E-02	G1 1.0195174E-02	G3 1.0325129E-02				
(3D+,3D+)	F0 3.2118701E+00	F2 1.6143140E+00	F4 1.0331268E+00					
(3D+,4S+)	F0 1.5935115E+00	G2 1.3241621E-01						
(3D+,4P-)	F0 1.5491009E+00	G3 1.2393582E-01						
(3D+,4P+)	F0 1.4992751E+00	F2 3.7111969E-01	G1 1.1733601E-01	G3 1.1570918E-01				
(3D+,4D-)	F0 1.3759732E+00	F2 3.1667473E-01	G2 1.1791351E-01	G4 9.1080576E-02				
(3D+,4D+)	F0 1.3605686E+00	F2 3.1327745E-01	F4 1.4330778E-01	G0 9.8208043E-02	G2 1.1728619E-01	G4 9.0302047E-02		
(3D+,5S+)	F0 6.5545205E-01	G2 1.6539363E-02						
(3D+,5P-)	F0 5.5118074E-01	G3 1.1654352E-02						
(3D+,5P+)	F0 5.2151603E-01	F2 3.9967307E-02	G1 1.0217627E-02	G3 1.0413870E-02				
(4S+,4S+)	F0 1.2516745E+00							
(4S+,4P-)	F0 1.2270380E+00	G1 8.3582093E-01						
(4S+,4P+)	F0 1.2027847E+00	G1 8.1423201E-01						
(4S+,4D-)	F0 1.1275707E+00	G2 5.4505873E-01						
(4S+,4D+)	F0 1.1190041E+00	G2 5.3766252E-01						
(4S+,5S+)	F0 6.1237957E-01	G0 2.9154805E-02						
(4S+,5P-)	F0 5.2140938E-01	G1 2.7782222E-02						
(4S+,5P+)	F0 4.9522754E-01	G1 2.7590225E-02						
(4P-,4P-)	F0 1.2040674E+00							
(4P-,4P+)	F0 1.1812002E+00	G2 6.1527047E-01						
(4P-,4D-)	F0 1.1094880E+00	G1 7.1391451E-01						
(4P-,4D+)	F0 1.1013443E+00	G3 4.3655800E-01						
(4P-,5S+)	F0 6.0971926E-01	G1 4.0725469E-02						
(4P-,5P-)	F0 5.1964346E-01	G0 2.2106649E-02						
(4P-,5P+)	F0 4.9364485E-01	G2 2.6030274E-02						
(4P+,4P+)	F0 1.1599345E+00	F2 6.0764047E-01						
(4P+,4D-)	F0 1.0917727E+00	F2 5.5653468E-01	G1 7.0869187E-01	G3 4.4022297E-01				
(4P+,4D+)	F0 1.0840861E+00	F2 5.5174036E-01	G1 7.0260903E-01	G3 4.3607733E-01				
(4P+,5S+)	F0 6.0703128E-01	G1 4.2674574E-02						
(4P+,5P-)	F0 5.1781618E-01	G2 2.8401595E-02						
(4P+,5P+)	F0 4.9202039E-01	F2 1.0834901E-01	G0 2.0307641E-02	G2 2.5895165E-02				
(4D-,4D-)	F0 1.0344597E+00	F2 5.2297425E-01						
(4D-,4D+)	F0 1.0278983E+00	F2 5.1970690E-01	G2 5.1913703E-01	G4 3.4486707E-01				
(4D-,5S+)	F0 5.9770591E-01	G2 6.8378305E-02						
(4D-,5P-)	F0 5.1170960E-01	G1 4.2265327E-02						
(4D-,5P+)	F0 4.8663058E-01	F2 1.2308298E-01	G1 3.5169560E-02	G3 3.3127924E-02				
(4D+,4D+)	F0 1.0214792E+00	F2 5.1604620E-01	F4 3.4315155E-01					
(4D+,5S+)	F0 5.9662296E-01	G2 7.0770216E-02						

TABLE 1.– CONTINUED

XENON 5P6 Z=54

(4D+,5P-)	F0	5.1099583E-01	G3	4.0118399E-02			
(4D+,5P+)	F0	4.8600247E-01	F2	1.2469705E-01	G1	3.6395252E-02	G3 3.4046299E-02
(5S+,5S+)	F0	4.8465942E-01					
(5S+,5P-)	F0	4.3725402E-01	G1	2.8882512E-01			
(5S+,5P+)	F0	4.2190783E-01	G1	2.6723794E-01			
(5P-,5P-)	F0	4.0193069E-01					
(5P-,5P+)	F0	3.9012759E-01	G2	2.0354483E-01			
(5P+,5P+)	F0	3.7939221E-01	F2	1.9866121E-01			

CESIUM 6S1 Z=55

(1S+,1S+)	F0	3.6151029E+01		
(1S+,2S+)	F0	1.1528391E+01	G0	1.2242445E+00
(1S+,2P-)	F0	1.3353421E+01	G1	2.3689377E+00
(1S+,2P+)	F0	1.2421850E+01	G1	2.1931472E+00
(1S+,3S+)	F0	4.5100501E+00	G0	2.2299214E-01
(1S+,3P-)	F0	4.7844848E+00	G1	4.1778195E-01
(1S+,3P+)	F0	4.5425667E+00	G1	4.0101517E-01
(1S+,3D-)	F0	4.4659359E+00	G2	1.7205763E-02
(1S+,3D+)	F0	4.3922192E+00	G2	1.7725663E-02
(1S+,4S+)	F0	1.9320251E+00	G0	4.8859777E-02
(1S+,4P-)	F0	1.9068698E+00	G1	8.5002650E-02
(1S+,4P+)	F0	1.8211433E+00	G1	8.1493534E-02
(1S+,4D-)	F0	1.5980227E+00	G2	3.2391063E-03
(1S+,4D+)	F0	1.5742292E+00	G2	3.3295238E-03
(1S+,5S+)	F0	7.4292217E-01	G0	7.5906653E-03
(1S+,5P-)	F0	6.4342063E-01	G1	1.0287712E-02
(1S+,5P+)	F0	6.0981457E-01	G1	9.5422586E-03
(1S+,6S+)	F0	2.1317953E-01	G0	5.0149198E-04
(2S+,2S+)	F0	8.0949991E+00		
(2S+,2P-)	F0	8.7079250E+00	G1	4.7258869E+00
(2S+,2P+)	F0	8.4928827E+00	G1	4.8103746E+00
(2S+,3S+)	F0	3.9005208E+00	G0	3.1086157E-01
(2S+,3P-)	F0	4.0570033E+00	G1	3.0378387E-01
(2S+,3P+)	F0	3.9162154E+00	G1	2.8099883E-01
(2S+,3D-)	F0	4.2966337E+00	G2	9.6202086E-01
(2S+,3D+)	F0	4.2383919E+00	G2	9.3586629E-01
(2S+,4S+)	F0	1.7982232E+00	G0	5.8903856E-02
(2S+,4P-)	F0	1.7605243E+00	G1	5.6228156E-02
(2S+,4P+)	F0	1.6957999E+00	G1	5.1431534E-02
(2S+,4D-)	F0	1.5685009E+00	G2	1.4007877E-01
(2S+,4D+)	F0	1.5474958E+00	G2	1.3657820E-01
(2S+,5S+)	F0	7.2212415E-01	G0	8.9070642E-03
(2S+,5P-)	F0	6.2574055E-01	G1	6.6984646E-03
(2S+,5P+)	F0	5.9517415E-01	G1	5.9202702E-03
(2S+,6S+)	F0	2.1180537E-01	G0	5.8650184E-04
(2P-,2P-)	F0	9.7046564E+00		
(2P-,2P+)	F0	9.3944476E+00	G2	4.2954847E+00
(2P-,3S+)	F0	3.9967989E+00	G1	3.7121301E-01
(2P-,3P-)	F0	4.1937215E+00	G0	4.0145524E-01
(2P-,3P+)	F0	4.0440084E+00	G2	3.9198142E-01
(2P-,3D-)	F0	4.3538634E+00	G1	9.8204330E-01

TABLE 1.– CONTINUED

CESIUM 6S1 Z=55

(2P-,3D+)	F0	4.2911130E+00	G3	5.3504881E-01			
(2P-,4S+)	F0	1.8190117E+00	G1	7.3426534E-02			
(2P-,4P-)	F0	1.7875415E+00	G0	7.1184590E-02			
(2P-,4P+)	F0	1.7209603E+00	G2	7.3258062E-02			
(2P-,4D-)	F0	1.5783095E+00	G1	1.4682593E-01			
(2P-,4D+)	F0	1.5565124E+00	G3	8.1501341E-02			
(2P-,5S+)	F0	7.2534537E-01	G1	1.1189237E-02			
(2P-,5P-)	F0	6.2899459E-01	G0	8.4189461E-03			
(2P-,5P+)	F0	5.9810490E-01	G2	8.4588630E-03			
(2P-,6S+)	F0	2.1201812E-01	G1	7.3747493E-04			
(2P+,2P+)	F0	9.1181623E+00	F2	4.3328339E+00			
(2P+,3S+)	F0	3.9619847E+00	G1	3.6659321E-01			
(2P+,3P-)	F0	4.1495236E+00	G2	4.0106974E-01			
(2P+,3P+)	F0	4.0038869E+00	F2	9.3895827E-01	G0	3.6908281E-01	G2 3.9893278E-01
(2P+,3D-)	F0	4.3351069E+00	F2	1.2154085E+00	G1	1.0613636E+00	G3 6.0928565E-01
(2P+,3D+)	F0	4.2737494E+00	F2	1.1763305E+00	G1	1.0438441E+00	G3 5.9938938E-01
(2P+,4S+)	F0	1.8114551E+00	G1	7.2004026E-02			
(2P+,4P-)	F0	1.7787478E+00	G2	7.4899099E-02			
(2P+,4P+)	F0	1.7130185E+00	F2	1.8650124E-01	G0	6.4791770E-02	G2 7.4368072E-02
(2P+,4D-)	F0	1.5751579E+00	F2	1.8160747E-01	G1	1.5505911E-01	G3 9.1006831E-02
(2P+,4D+)	F0	1.5536016E+00	F2	1.7540258E-01	G1	1.5304313E-01	G3 8.9782190E-02
(2P+,5S+)	F0	7.2417327E-01	G1	1.0958783E-02			
(2P+,5P-)	F0	6.2793419E-01	G2	8.9345830E-03			
(2P+,5P+)	F0	5.9717896E-01	F2	2.2126089E-02	G0	7.4054835E-03	G2 8.5834111E-03
(2P+,6S+)	F0	2.1194069E-01	G1	7.2217538E-04			
(3S+,3S+)	F0	3.0029832E+00					
(3S+,3P-)	F0	3.0536762E+00	G1	1.9693721E+00			
(3S+,3P+)	F0	2.9949853E+00	G1	1.9640146E+00			
(3S+,3D-)	F0	3.1297235E+00	G2	1.2892667E+00			
(3S+,3D+)	F0	3.1120748E+00	G2	1.2969189E+00			
(3S+,4S+)	F0	1.6232631E+00	G0	1.0801967E-01			
(3S+,4P-)	F0	1.5814595E+00	G1	1.1348254E-01			
(3S+,4P+)	F0	1.5304036E+00	G1	1.1488252E-01			
(3S+,4D-)	F0	1.4151789E+00	G2	6.9055979E-02			
(3S+,4D+)	F0	1.3995339E+00	G2	6.7534016E-02			
(3S+,5S+)	F0	6.9534583E-01	G0	1.4227834E-02			
(3S+,5P-)	F0	6.0440025E-01	G1	1.2174850E-02			
(3S+,5P+)	F0	5.7609481E-01	G1	1.1914483E-02			
(3S+,6S+)	F0	2.1003932E-01	G0	9.2211377E-04			
(3P-,3P-)	F0	3.1157637E+00					
(3P-,3P+)	F0	3.0512663E+00	G2	1.5175895E+00			
(3P-,3D-)	F0	3.1967556E+00	G1	1.7663068E+00			
(3P-,3D+)	F0	3.1773747E+00	G3	1.1370824E+00			
(3P-,4S+)	F0	1.6325028E+00	G1	1.4131431E-01			
(3P-,4P-)	F0	1.5918569E+00	G0	1.1322603E-01			
(3P-,4P+)	F0	1.5400051E+00	G2	1.2818255E-01			
(3P-,4D-)	F0	1.4229386E+00	G1	7.3349225E-02			
(3P-,4D+)	F0	1.4071192E+00	G3	7.5094146E-02			
(3P-,5S+)	F0	6.9674835E-01	G1	1.9111179E-02			
(3P-,5P-)	F0	6.0562981E-01	G0	1.1892031E-02			
(3P-,5P+)	F0	5.7719493E-01	G2	1.3655531E-02			
(3P-,6S+)	F0	2.1013173E-01	G1	1.2426025E-03			
(3P+,3P+)	F0	2.9916960E+00	F2	1.5028516E+00			
(3P+,3D-)	F0	3.1241741E+00	F2	1.4953289E+00	G1	1.6626794E+00	G3 1.0812722E+00
(3P+,3D+)	F0	3.1062224E+00	F2	1.4956136E+00	G1	1.6748751E+00	G3 1.0890021E+00

TABLE 1.– CONTINUED

CESIUM 6S1 Z=55

(3P+,4S+)	F0	1.6224692E+00	G1	1.4094704E-01							
(3P+,4P-)	F0	1.5818095E+00	G2	1.3227377E-01							
(3P+,4P+)	F0	1.5306823E+00	F2	4.1311399E-01	G0	1.0700343E-01	G2	1.2720965E-01			
(3P+,4D-)	F0	1.4148818E+00	F2	3.4371365E-01	G1	7.3624564E-02	G3	7.7108873E-02			
(3P+,4D+)	F0	1.3992283E+00	F2	3.3643406E-01	G1	7.1819928E-02	G3	7.5599134E-02			
(3P+,5S+)	F0	6.9523498E-01	G1	1.8910178E-02							
(3P+,5P-)	F0	6.6444758E-01	G2	1.4435734E-02							
(3P+,5P+)	F0	5.7613303E-01	F2	5.2830058E-02	G0	1.0878055E-02	G2	1.3511698E-02			
(3P+,6S+)	F0	2.1003209E-01	G1	1.2282558E-03							
(3D-,3D-)	F0	3.3422925E+00	F2	1.6757045E+00							
(3D-,3D+)	F0	3.3193164E+00	F2	1.6669634E+00	G2	1.6535160E+00	G4	1.0584730E+00			
(3D-,4S+)	F0	1.6459656E+00	G2	1.3558088E-01							
(3D-,4P-)	F0	1.6046755E+00	G1	1.3027390E-01							
(3D-,4P+)	F0	1.5519193E+00	F2	3.8189879E-01	G1	1.2149630E-01	G3	1.1925102E-01			
(3D-,4D-)	F0	1.4402529E+00	F2	3.3401392E-01	G0	1.0700641E-01	G2	1.2744512E-01			
(3D-,4D+)	F0	1.4241266E+00	F2	3.2735276E-01	G2	1.2447283E-01	G4	9.5675397E-02			
(3D-,5S+)	F0	6.9878587E-01	G2	1.8488520E-02							
(3D-,5P-)	F0	6.0713608E-01	G1	1.3846908E-02							
(3D-,5P+)	F0	5.7855268E-01	F2	4.8287700E-02	G1	1.2626825E-02	G3	1.2815838E-02			
(3D-,6S+)	F0	2.1026592E-01	G2	1.2035620E-03							
(3D+,3D+)	F0	3.2969324E+00	F2	1.6588893E+00	F4	1.0620874E+00					
(3D+,4S+)	F0	1.6427664E+00	G2	1.3701866E-01							
(3D+,4P-)	F0	1.6014658E+00	G3	1.2921738E-01							
(3D+,4P+)	F0	1.5489386E+00	F2	3.8594217E-01	G1	1.2207245E-01	G3	1.2052750E-01			
(3D+,4D-)	F0	1.4374705E+00	F2	3.3685457E-01	G2	1.2593139E-01	G4	9.7425019E-02			
(3D+,4D+)	F0	1.4214208E+00	F2	3.3012742E-01	F4	1.5333672E-01	G0	1.0458978E-01	G2	1.2537797E-01	G4 9.6671685E-02
(3D+,5S+)	F0	6.9830115E-01	G2	1.8608636E-02							
(3D+,5P-)	F0	6.0675675E-01	G3	1.4207959E-02							
(3D+,5P+)	F0	5.7821156E-01	F2	4.8875957E-02	G1	1.2652251E-02	G3	1.2927981E-02			
(3D+,6S+)	F0	2.1023399E-01	G2	1.2109126E-03							
(4S+,4S+)	F0	1.2910182E+00									
(4S+,4P-)	F0	1.2677324E+00	G1	8.6342575E-01							
(4S+,4P+)	F0	1.2422137E+00	G1	8.4109206E-01							
(4S+,4D-)	F0	1.1735516E+00	G2	5.7113041E-01							
(4S+,4D+)	F0	1.1647524E+00	G2	5.6376592E-01							
(4S+,5S+)	F0	6.5000634E-01	G0	3.2312705E-02							
(4S+,5P-)	F0	5.7061949E-01	G1	3.2922733E-02							
(4S+,5P+)	F0	5.4573864E-01	G1	3.3329299E-02							
(4S+,6S+)	F0	2.0707674E-01	G0	1.9199363E-03							
(4P-,4P-)	F0	1.2459508E+00									
(4P-,4P+)	F0	1.2217606E+00	G2	6.3626960E-01							
(4P-,4D-)	F0	1.1560325E+00	G1	7.4636201E-01							
(4P-,4D+)	F0	1.1476373E+00	G3	4.5749935E-01							
(4P-,5S+)	F0	6.4728196E-01	G1	4.4943715E-02							
(4P-,5P-)	F0	5.6866973E-01	G0	2.6294892E-02							
(4P-,5P+)	F0	5.4395936E-01	G2	3.1641364E-02							
(4P-,6S+)	F0	2.0690088E-01	G1	2.6833919E-03							
(4P+,4P+)	F0	1.1993123E+00	F2	6.2843154E-01							
(4P+,4D-)	F0	1.1369021E+00	F2	5.8096299E-01	G1	7.3940353E-01	G3	4.6035689E-01			
(4P+,4D+)	F0	1.1290006E+00	F2	5.7616504E-01	G1	7.3359112E-01	G3	4.5633366E-01			
(4P+,5S+)	F0	6.4420948E-01	G1	4.6990209E-02							
(4P+,5P-)	F0	5.6640964E-01	G2	3.3885558E-02							
(4P+,5P+)	F0	5.4191524E-01	F2	1.2788278E-01	G0	2.4553828E-02	G2	3.1442601E-02			
(4P+,6S+)	F0	2.0670230E-01	G1	2.7639401E-03							
(4D-,4D-)	F0	1.0836524E+00	F2	5.4891378E-01							

TABLE 1.– CONTINUED

CESIUM 6S1 Z=55

(4D-,4D+)	F0	1.0767869E+00	F2	5.4552058E-01	G2	5.4486809E-01	G4	3.6273712E-01
(4D-,5S+)	F0	6.3508547E-01	G2	7.1908526E-02				
(4D-,5P-)	F0	5.5993241E-01	G1	4.7774004E-02				
(4D-,5P+)	F0	5.3609293E-01	F2	1.4249270E-01	G1	4.0560201E-02	G3	3.8776182E-02
(4D-,6S+)	F0	2.0612246E-01	G2	3.8161345E-03				
(4D+,4D+)	F0	1.0700729E+00	F2	5.4235118E-01	F4	3.6100354E-01		
(4D+,5S+)	F0	6.3390265E-01	G2	7.4367652E-02				
(4D+,5P-)	F0	5.5908586E-01	G3	4.6010709E-02				
(4D+,5P+)	F0	5.3533409E-01	F2	1.4428327E-01	G1	4.1859460E-02	G3	3.9782127E-02
(4D+,6S+)	F0	2.0604743E-01	G2	3.9061414E-03				
(5S+,5S+)	F0	5.1691842E-01						
(5S+,5P-)	F0	4.7627205E-01	G1	3.1988885E-01				
(5S+,5P+)	F0	4.6217132E-01	G1	2.9953742E-01				
(5S+,6S+)	F0	1.9939206E-01	G0	6.2366827E-03				
(5P-,5P-)	F0	4.4466947E-01						
(5P-,5P+)	F0	4.3347968E-01	G2	2.2955413E-01				
(5P-,6S+)	F0	1.9724308E-01	G1	1.1546231E-02				
(5P+,5P+)	F0	4.2324503E-01	F2	2.2525012E-01				
(5P+,6S+)	F0	1.9645575E-01	G1	1.3709098E-02				

BARIUM 6S2 Z=56

(1S+,1S+)	F0	3.6908360E+01		
(1S+,2S+)	F0	1.1788830E+01	G0	1.2577009E+00
(1S+,2P-)	F0	1.3663990E+01	G1	2.4218819E+00
(1S+,2P+)	F0	1.2674188E+01	G1	2.2359066E+00
(1S+,3S+)	F0	4.6236268E+00	G0	2.3057694E-01
(1S+,3P-)	F0	4.9107460E+00	G1	4.3031216E-01
(1S+,3P+)	F0	4.6534453E+00	G1	4.1266663E-01
(1S+,3D-)	F0	4.5807594E+00	G2	1.7796411E-02
(1S+,3D+)	F0	4.5023694E+00	G2	1.8365370E-02
(1S+,4S+)	F0	1.9940246E+00	G0	5.1326336E-02
(1S+,4P-)	F0	1.9746691E+00	G1	8.9346101E-02
(1S+,4P+)	F0	1.8835661E+00	G1	8.5676643E-02
(1S+,4D-)	F0	1.6697178E+00	G2	3.4992797E-03
(1S+,4D+)	F0	1.6445208E+00	G2	3.6061586E-03
(1S+,5S+)	F0	7.9100856E-01	G0	8.6145859E-03
(1S+,5P-)	F0	7.0055064E-01	G1	1.2238202E-02
(1S+,5P+)	F0	6.6552043E-01	G1	1.1457754E-02
(1S+,6S+)	F0	2.5742400E-01	G0	8.1286453E-04
(2S+,2S+)	F0	8.2730057E+00		
(2S+,2P-)	F0	8.9022830E+00	G1	4.8225739E+00
(2S+,2P+)	F0	8.6735210E+00	G1	4.9122897E+00
(2S+,3S+)	F0	3.9948748E+00	G0	3.1998494E-01
(2S+,3P-)	F0	4.1588893E+00	G1	3.1276972E-01
(2S+,3P+)	F0	4.0096623E+00	G1	2.8856864E-01
(2S+,3D-)	F0	4.4056828E+00	G2	9.9122314E-01
(2S+,3D+)	F0	4.3438675E+00	G2	9.6350567E-01
(2S+,4S+)	F0	1.8537791E+00	G0	6.1525288E-02
(2S+,4P-)	F0	1.8203124E+00	G1	5.9022160E-02
(2S+,4P+)	F0	1.7519676E+00	G1	5.3876294E-02
(2S+,4D-)	F0	1.6378720E+00	G2	1.5002271E-01

TABLE 1.– CONTINUED

BARIUM 6S2 Z=56

(2S+,4D+)	F0 1.6157648E+00	G2 1.4630730E-01				
(2S+,5S+)	F0 7.6745592E-01	G0 1.0041081E-02				
(2S+,5P-)	F0 8.7944681E-01	G1 7.9515079E-03				
(2S+,5P+)	F0 6.4796727E-01	G1 7.0761201E-03				
(2S+,6S+)	F0 2.5520140E-01	G0 9.4372181E-04				
(2P-,2P-)	F0 9.9267219E+00					
(2P-,2P+)	F0 9.5964383E+00	G2 4.3807305E+00				
(2P-,3S+)	F0 4.0944436E+00	G1 3.8136653E-01				
(2P-,3P-)	F0 4.3004964E+00	G0 4.1298924E-01				
(2P-,3P+)	F0 4.1417174E+00	G2 4.0286116E-01				
(2P-,3D-)	F0 4.4651032E+00	G1 1.0111603E+00				
(2P-,3D+)	F0 4.3984407E+00	G3 5.4996481E-01				
(2P-,4S+)	F0 1.0756213E+00	G1 7.6570807E-02				
(2P-,4P-)	F0 1.8488630E+00	G0 7.4799407E-02				
(2P-,4P+)	F0 1.7785201E+00	G2 7.6834395E-02				
(2P-,4D-)	F0 1.6484907E+00	G1 1.5728238E-01				
(2P-,4D+)	F0 1.6255045E+00	G3 8.7260144E-02				
(2P-,5S+)	F0 7.7111215E-01	G1 1.2596949E-02				
(2P-,5P-)	F0 6.8333774E-01	G0 1.0000430E-02				
(2P-,5P+)	F0 6.5149872E-01	G2 1.0124630E-02				
(2P-,6S+)	F0 2.5554627E-01	G1 1.1052694E-03				
(2P+,2P+)	F0 9.3036350E+00	F2 4.4211734E+00				
(2P+,3S+)	F0 4.0571333E+00	G1 3.7645002E-01				
(2P+,3P-)	F0 4.2530561E+00	G2 4.1245657E-01				
(2P+,3P+)	F0 4.0988028E+00	F2 9.6445700E-01	G0 3.7938079E-01	G2 4.1023069E-01		
(2P+,3D-)	F0 4.4449510E+00	F2 1.2527513E+00	G1 1.0958654E+00	G3 6.2919757E-01		
(2P+,3D+)	F0 4.3798385E+00	F2 1.2111383E+00	G1 1.0774402E+00	G3 6.1879210E-01		
(2P+,4S+)	F0 1.8673931E+00	G1 7.5026763E-02				
(2P+,4P-)	F0 1.8392315E+00	G2 7.8511279E-02				
(2P+,4P+)	F0 1.7698443E+00	F2 1.9542225E-01	G0 6.7905204E-02	G2 7.8033473E-02		
(2P+,4D-)	F0 1.6449610E+00	F2 1.9444372E-01	G1 1.6534053E-01	G3 9.7694955E-02		
(2P+,4D+)	F0 1.6222511E+00	F2 1.8773622E-01	G1 1.6431140E-01	G3 9.6455894E-02		
(2P+,5S+)	F0 7.6973335E-01	G1 1.2326317E-02				
(2P+,5P-)	F0 6.8202349E-01	G2 1.0591233E-02				
(2P+,5P+)	F0 6.5034372E-01	F2 2.6364117E-02	G0 8.8522527E-03	G2 1.0277930E-02		
(2P+,6S+)	F0 2.5541619E-01	G1 1.1595860E-03				
(3S+,3S+)	F0 3.0758523E+00					
(3S+,3P-)	F0 3.1294351E+00	G1 2.0159625E+00				
(3S+,3P+)	F0 3.0672063E+00	G1 2.0106748E+00				
(3S+,3D-)	F0 3.2082325E+00	G2 1.3188211E+00				
(3S+,3D+)	F0 3.1895430E+00	G2 1.3271076E+00				
(3S+,4S+)	F0 1.6717213E+00	G0 1.1210780E-01				
(3S+,4P-)	F0 1.6328416E+00	G1 1.1808744E-01				
(3S+,4P+)	F0 1.5790859E+00	G1 1.1968600E-01				
(3S+,4D-)	F0 1.4742479E+00	G2 7.3730243E-02				
(3S+,4D+)	F0 1.4579268E+00	G2 7.2028760E-02				
(3S+,5S+)	F0 7.3736296E-01	G0 1.5878771E-02				
(3S+,5P-)	F0 6.5417568E-01	G1 1.4268058E-02				
(3S+,5P+)	F0 6.2520435E-01	G1 1.4101044E-02				
(3S+,6S+)	F0 2.5236770E-01	G0 1.4649016E-03				
(3P-,3P-)	F0 3.1950667E+00					
(3P-,3P+)	F0 3.1265309E+00	G2 1.5537296E+00				
(3P-,3D-)	F0 3.2791147E+00	G1 1.8092998E+00				
(3P-,3D+)	F0 3.2585430E+00	G3 1.1657005E+00				
(3P-,4S+)	F0 1.6816282E+00	G1 1.4621965E-01				

TABLE 1.– CONTINUED

BARIUM 6S2 Z=56

(3P-,4P-)	F0	1.6440325E+00	G0	1.1813743E-01				
(3P-,4P+)	F0	1.5894053E+00	G2	1.3364809E-01				
(3P-,4D-)	F0	1.4827587E+00	G1	7.7915494E-02				
(3P-,4D+)	F0	1.4662470E+00	G3	7.9952347E-02				
(3P-,5S+)	F0	7.3898639E-01	G1	2.1329641E-02				
(3P-,5P-)	F0	6.5567193E-01	G0	1.3964805E-02				
(3P-,5P+)	F0	6.2655340E-01	G2	1.6194566E-02				
(3P-,6S+)	F0	2.5252039E-01	G1	1.9752476E-03				
(3P+,3P+)	F0	3.0634200E+00	F2	1.5385455E+00				
(3P+,3D-)	F0	3.2019718E+00	F2	1.5317068E+00	G1	1.6984817E+00	G3	1.1059558E+00
(3P+,3D+)	F0	3.1829707E+00	F2	1.5321478E+00	G1	1.7116827E+00	G3	1.1143497E+00
(3P+,4S+)	F0	1.6708179E+00	G1	1.4609834E-01				
(3P+,4P-)	F0	1.6331390E+00	G2	1.3790070E-01				
(3P+,4P+)	F0	1.5793140E+00	F2	4.2955540E-01	G0	1.1151004E-01	G2	1.3256507E-01
(3P+,4D-)	F0	1.4738598E+00	F2	3.6437196E-01	G1	7.8537199E-02	G3	8.2292692E-02
(3P+,4D+)	F0	1.4575305E+00	F2	3.5667019E-01	G1	7.6499344E-02	G3	8.0639610E-02
(3P+,5S+)	F0	7.3722611E-01	G1	2.1086461E-02				
(3P+,5P-)	F0	6.5422279E-01	G2	1.6956512E-02				
(3P+,5P+)	F0	6.2524205E-01	F2	6.1862621E-02	G0	1.2869987E-02	G2	1.6012445E-02
(3P+,6S+)	F0	2.5235497E-01	G1	1.9502953E-03				
(3D-,3D-)	F0	3.4301882E+00	F2	1.7212590E+00				
(3D-,3D+)	F0	3.4057760E+00	F2	1.7119971E+00	G2	1.6975069E+00	G4	1.0870433E+00
(3D-,4S+)	F0	1.6957938E+00	G2	1.4018557E-01				
(3D-,4P-)	F0	1.6575858E+00	G1	1.3551092E-01				
(3D-,4P+)	F0	1.6619898E+00	F2	3.9655601E-01	G1	1.2625563E-01	G3	1.2402853E-01
(3D-,4D-)	F0	1.5014115E+00	F2	3.5386627E-01	G0	1.1349609E-01	G2	1.3860581E-01
(3D-,4D+)	F0	1.4845755E+00	F2	3.4686146E-01	G2	1.3242761E-01	G4	1.0191723E-01
(3D-,5S+)	F0	7.4130027E-01	G2	2.0600216E-02				
(3D-,5P-)	F0	6.5747193E-01	G1	1.6227212E-02				
(3D-,5P+)	F0	6.2818928E-01	F2	5.6510601E-02	G1	1.4920070E-02	G3	1.5175076E-02
(3D-,6S+)	F0	2.5273792E-01	G2	1.9106115E-03				
(3D+,3D+)	F0	3.3820173E+00	F2	1.7034729E+00	F4	1.0910540E+00		
(3D+,4S+)	F0	1.6923499E+00	G2	1.4169249E-01				
(3D+,4P-)	F0	1.6541080E+00	G3	1.3456226E-01				
(3D+,4P+)	F0	1.5987646E+00	F2	4.0087375E-01	G1	1.2684622E-01	G3	1.2538817E-01
(3D+,4D-)	F0	1.4983355E+00	F2	3.5693288E-01	G2	1.3391125E-01	G4	1.0375169E-01
(3D+,4D+)	F0	1.4815849E+00	F2	3.4985675E-01	F4	1.6334183E-01	G0	1.1091749E-01
(3D+,5S+)	F0	7.4073680E-01	G2	2.0733896E-02				
(3D+,5P-)	F0	6.5700711E-01	G3	1.6687417E-02				
(3D+,5P+)	F0	6.2776808E-01	F2	5.7209730E-02	G1	1.4947379E-02	G3	1.5310372E-02
(3D+,6S+)	F0	2.5268493E-01	G2	1.9221310E-03				
(4S+,4S+)	F0	1.3306484E+00						
(4S+,4P-)	F0	1.3086818E+00	G1	8.9111981E-01				
(4S+,4P+)	F0	1.2818376E+00	G1	8.6800941E-01				
(4S+,4D-)	F0	1.2191393E+00	G2	5.9656676E-01				
(4S+,4D+)	F0	1.2100714E+00	G2	5.8922478E-01				
(4S+,5S+)	F0	6.8711216E-01	G0	3.5491677E-02				
(4S+,5P-)	F0	6.1474362E-01	G1	3.7660864E-02				
(4S+,5P+)	F0	5.8949823E-01	G1	3.8492367E-02				
(4S+,6S+)	F0	2.4768561E-01	G0	2.9658514E-03				
(4P-,4P-)	F0	1.2880802E+00						
(4P-,4P+)	F0	1.2625036E+00	G2	6.5726588E-01				
(4P-,4D-)	F0	1.2022524E+00	G1	7.7818226E-01				
(4P-,4D+)	F0	1.1935693E+00	G3	4.7802955E-01				
(4P-,5S+)	F0	6.8435320E-01	G1	4.9181228E-02				

(3D+,5S+)	F0	7.4073680E-01	G2	2.0733896E-02				
(3D+,5P-)	F0	6.5700711E-01	G3	1.6687417E-02				
(3D+,5P+)	F0	6.2776808E-01	F2	5.7209730E-02	G1	1.4947379E-02	G3	1.5310372E-02
(3D+,6S+)	F0	2.5268493E-01	G2	1.9221310E-03				
(4S+,4S+)	F0	1.3306484E+00						
(4S+,4P-)	F0	1.3086818E+00	G1	8.9111981E-01				
(4S+,4P+)	F0	1.2818376E+00	G1	8.6800941E-01				
(4S+,4D-)	F0	1.2191393E+00	G2	5.9656676E-01				
(4S+,4D+)	F0	1.2100714E+00	G2	5.8922478E-01				
(4S+,5S+)	F0	6.8711216E-01	G0	3.5491677E-02				
(4S+,5P-)	F0	6.1474362E-01	G1	3.7660864E-02				
(4S+,5P+)	F0	5.8949823E-01	G1	3.8492367E-02				
(4S+,6S+)	F0	2.4768561E-01	G0	2.9658514E-03				
(4P-,4P-)	F0	1.2880802E+00						
(4P-,4P+)	F0	1.2625036E+00	G2	6.5726588E-01				
(4P-,4D-)	F0	1.2022524E+00	G1	7.7818226E-01				
(4P-,4D+)	F0	1.1935693E+00	G3	4.7802955E-01				
(4P-,5S+)	F0	6.8435320E-01	G1	4.9181228E-02				

TABLE 1.– CONTINUED

BARIUM 6S2 Z=56

(4P-,5P-)	F0	6.1267310E-01	G0	3.0193696E-02			
(4P-,5P+)	F0	5.8759287E-01	G2	3.6747924E-02			
(4P-,6S+)	F0	2.4743214E-01	G1	4.1383305E-03			
(4P+,4P+)	F0	1.2388206E+00	F2	6.4924784E-01			
(4P+,4D-)	F0	1.1816588E+00	F2	6.0498605E-01	G1	7.6938731E-01	G3 4.8004523E-01
(4P+,4D+)	F0	1.1735094E+00	F2	6.0016770E-01	G1	7.6384259E-01	G3 4.7614104E-01
(4P+,5S+)	F0	6.8087254E-01	G1	5.1315575E-02			
(4P+,5P-)	F0	6.0997740E-01	G2	3.9006285E-02			
(4P+,5P+)	F0	5.8513667E-01	F2	1.4526662E-01	G0	2.8385327E-02	G2 3.6477207E-02
(4P+,6S+)	F0	2.4711179E-01	G1	4.2468996E-03			
(4D-,4D-)	F0	1.1322968E+00	F2	5.7444149E-01			
(4D-,4D+)	F0	1.1250999E+00	F2	5.7090828E-01	G2	5.7016608E-01	G4 3.8029976E-01
(4D-,5S+)	F0	6.7200091E-01	G2	7.5481103E-02			
(4D-,5P-)	F0	6.0333652E-01	G1	5.2609007E-02			
(4D-,5P+)	F0	5.7911722E-01	F2	1.5934062E-01	G1	4.5137252E-02	G3 4.3665382E-02
(4D-,6S+)	F0	2.4630906E-01	G2	5.6592164E-03			
(4D+,4D+)	F0	1.1180649E+00	F2	5.6761797E-01	F4	3.7854425E-01	
(4D+,5S+)	F0	6.7071022E-01	G2	7.8009135E-02			
(4D+,5P-)	F0	6.0236088E-01	G3	5.1277338E-02			
(4D+,5P+)	F0	5.7823527E-01	F2	1.6127976E-01	G1	4.6474448E-02	G3 4.4734422E-02
(4D+,6S+)	F0	2.4619228E-01	G2	5.7852939E-03			
(5S+,5S+)	F0	5.4859183E-01					
(5S+,5P-)	F0	5.1167228E-01	G1	3.4680566E-01			
(5S+,5P+)	F0	4.9754895E-01	G1	3.2625860E-01			
(5S+,6S+)	F0	2.3629543E-01	G0	8.9004863E-03			
(5P-,5P-)	F0	4.8210510E-01					
(5P-,5P+)	F0	4.7062129E-01	G2	2.5075612E-01			
(5P-,6S+)	F0	2.3356625E-01	G1	1.5317724E-02			
(5P+,5P+)	F0	4.6010188E-01	F2	2.4650866E-01			
(5P+,6S+)	F0	2.3248453E-01	G1	1.7746694E-02			
(6S+,6S+)	F0	1.8471982E-01					

LANTHANUM 5D1 Z=57

(1S+,1S+)	F0	3.7671695E+01		
(1S+,2S+)	F0	1.2051781E+01	G0	1.2917641E+00
(1S+,2P-)	F0	1.3977919E+01	G1	2.4749931E+00
(1S+,2P+)	F0	1.2927150E+01	G1	2.2784213E+00
(1S+,3S+)	F0	4.7381442E+00	G0	2.3830336E-01
(1S+,3P-)	F0	5.0381074E+00	G1	4.4289341E-01
(1S+,3P+)	F0	4.7646836E+00	G1	4.2433730E-01
(1S+,3D-)	F0	4.6957795E+00	G2	1.8380517E-02
(1S+,3D+)	F0	4.6125126E+00	G2	1.9001516E-02
(1S+,4S+)	F0	2.0565100E+00	G0	5.3851138E-02
(1S+,4P-)	F0	2.0429394E+00	G1	9.3737066E-02
(1S+,4P+)	F0	1.9461982E+00	G1	8.9905939E-02
(1S+,4D-)	F0	1.7407178E+00	G2	3.7607362E-03
(1S+,4D+)	F0	1.7140168E+00	G2	3.8854439E-03
(1S+,5S+)	F0	8.3527574E-01	G0	9.5904571E-03
(1S+,5P-)	F0	7.4965157E-01	G1	1.3971180E-02
(1S+,5P+)	F0	7.1205557E-01	G1	1.3119202E-02
(1S+,5D-)	F0	4.3802864E-01	G2	2.3684535E-04

TABLE 1.– CONTINUED

LANTHANUM 501 Z=57

(1S+,6S+)	F0	2.7872429E-01	G0	9.6477386E-04			
(2S+,2S+)	F0	8.4524181E+00					
(2S+,2P-)	F0	9.0982810E+00	G1	4.9196720E+00			
(2S+,2P+)	F0	8.8551173E+00	G1	5.0148260E+00			
(2S+,3S+)	F0	4.0898807E+00	G0	3.2922342E-01			
(2S+,3P-)	F0	4.2614853E+00	G1	3.2182709E-01			
(2S+,3P+)	F0	4.1034342E+00	G1	2.9615966E-01			
(2S+,3D-)	F0	4.5149339E+00	G2	1.0202541E+00			
(2S+,3D+)	F0	4.4493899E+00	G2	9.9091737E-01			
(2S+,4S+)	F0	1.9096910E+00	G0	6.4189571E-02			
(2S+,4P-)	F0	1.8804039E+00	G1	6.1850750E-02			
(2S+,4P+)	F0	1.8082805E+00	G1	5.6340322E-02			
(2S+,4D-)	F0	1.7065292E+00	G2	1.5994358E-01			
(2S+,4D+)	F0	1.6832379E+00	G2	1.5600452E-01			
(2S+,5S+)	F0	8.0911147E-01	G0	1.1105325E-02			
(2S+,5P-)	F0	7.2547229E-01	G1	9.0602067E-03			
(2S+,5P+)	F0	6.9198531E-01	G1	8.0667227E-03			
(2S+,5D-)	F0	4.3589773E-01	G2	9.7259067E-03			
(2S+,6S+)	F0	2.7609196E-01	G0	1.1122792E-03			
(2P-,2P-)	F0	1.0150862E+01					
(2P-,2P+)	F0	9.7994910E+00	G2	4.4659219E+00			
(2P-,3S+)	F0	4.1927964E+00	G1	3.9159267E-01			
(2P-,3P-)	F0	4.4080659E+00	G0	4.2665280E-01			
(2P-,3P+)	F0	4.2398003E+00	G2	4.1377979E-01			
(2P-,3D-)	F0	4.5765555E+00	G1	1.0400722E+00			
(2P-,3D+)	F0	4.5058091E+00	G3	5.6468581E-01			
(2P-,4S+)	F0	1.9326111E+00	G1	7.9751710E-02			
(2P-,4P-)	F0	1.9105229E+00	G0	7.8474034E-02			
(2P-,4P+)	F0	1.8362519E+00	G2	8.0446177E-02			
(2P-,4D-)	F0	1.7179695E+00	G1	1.6771706E-01			
(2P-,4D+)	F0	1.6937065E+00	G3	9.2986835E-02			
(2P-,5S+)	F0	8.1318227E-01	G1	1.3912169E-02			
(2P-,5P-)	F0	7.2993776E-01	G0	1.1403825E-02			
(2P-,5P+)	F0	6.9604347E-01	G2	1.1558142E-02			
(2P-,5D-)	F0	4.3660903E-01	G1	1.0238944E-02			
(2P-,6S+)	F0	2.7650130E-01	G1	1.3951368E-03			
(2P+,2P+)	F0	9.4894702E+00	F2	4.5096475E+00			
(2P+,3S+)	F0	4.1528526E+00	G1	3.8636965E-01			
(2P+,3P-)	F0	4.3572025E+00	G2	4.2391019E-01			
(2P+,3P+)	F0	4.1939537E+00	F2	9.9004859E-01	G0	3.8973076E-01	G2 4.2158063E-01
(2P+,3D-)	F0	4.5549374E+00	F2	1.2901907E+00	G1	1.1304075E+00	G3 6.4913289E-01
(2P+,3D+)	F0	4.4859119E+00	F2	1.2459336E+00	G1	1.1110504E+00	G3 6.3820364E-01
(2P+,4S+)	F0	1.9236675E+00	G1	7.8079475E-02			
(2P+,4P-)	F0	1.8999975E+00	G2	8.2157414E-02			
(2P+,4P+)	F0	1.8267963E+00	F2	2.0442933E-01	G0	7.1049155E-02	G2 8.1738094E-02
(2P+,4D-)	F0	1.7140368E+00	F2	2.0730231E-01	G1	1.7763741E-01	G3 1.0439863E-01
(2P+,4D+)	F0	1.6900896E+00	F2	2.0006397E-01	G1	1.7560055E-01	G3 1.0314786E-01
(2P+,5S+)	F0	8.1159207E-01	G1	1.3600726E-02			
(2P+,5P-)	F0	7.2637518E-01	G2	1.2050891E-02			
(2P+,5P+)	F0	6.9467021E-01	F2	3.0003895E-02	G0	1.0093295E-02	G2 1.1737964E-02
(2P+,5D-)	F0	4.3636511E-01	F2	1.2926881E-02	G1	1.0809730E-02	G3 6.3728258E-03
(2P+,6S+)	F0	2.7634137E-01	G1	1.3536079E-03			
(3S+,3S+)	F0	3.1491749E+00					
(3S+,3P-)	F0	3.2056684E+00	G1	2.0627489E+00			
(3S+,3P+)	F0	3.1297354E+00	G1	2.0575224E+00			

TABLE 1.– CONTINUED

LANTHANUM 5D1 Z=57

(3S+,3D-)	F0	3.2870421E+00	G2	1.3485384E+00				
(3S+,3D+)	F0	3.2672633E+00	G2	1.3574827E+00				
(3S+,4S+)	F0	1.7204502E+00	G0	1.1623734E-01				
(3S+,4P-)	F0	1.6844307E+00	G1	1.2271653E-01				
(3S+,4P+)	F0	1.6278606E+00	G1	1.2452883E-01				
(3S+,4D-)	F0	1.5326475E+00	G2	7.8406939E-02				
(3S+,4D+)	F0	1.5155927E+00	G2	7.6511484E-02				
(3S+,5S+)	F0	7.7593132E-01	G0	1.7393157E-02				
(3S+,5P-)	F0	6.9674226E-01	G1	1.6061571E-02				
(3S+,5P+)	F0	6.6607912E-01	G1	1.5930554E-02				
(3S+,5D-)	F0	4.2538261E-01	G2	4.6600840E-03				
(3S+,6S+)	F0	2.7276163E-01	G0	1.7070003E-03				
(3P-,3P-)	F0	3.2748799E+00						
(3P-,3P+)	F0	3.2021111E+00	G2	1.5898971E+00				
(3P-,3D-)	F0	3.3617958E+00	G1	1.8525670E+00				
(3P-,3D+)	F0	3.3399764E+00	G3	1.1944515E+00				
(3P-,4S+)	F0	1.7310397E+00	G1	1.5146709E-01				
(3P-,4P-)	F0	1.6964360E+00	G0	1.2309533E-01				
(3P-,4P+)	F0	1.6389142E+00	G2	1.3914591E-01				
(3P-,4D-)	F0	1.5419274E+00	G1	8.2455451E-02				
(3P-,4D+)	F0	1.5246645E+00	G3	8.4775863E-02				
(3P-,5S+)	F0	7.7777133E-01	G1	2.3363170E-02				
(3P-,5P-)	F0	6.9848726E-01	G0	1.5752779E-02				
(3P-,5P+)	F0	6.6765442E-01	G2	1.8328744E-02				
(3P-,5D-)	F0	4.2593616E-01	G1	4.7268110E-03				
(3P-,6S+)	F0	2.7294608E-01	G1	2.3024735E-03				
(3P+,3P+)	F0	3.1353072E+00	F2	1.5742846E+00				
(3P+,3D-)	F0	3.2798900E+00	F2	1.5680923E+00	G1	1.7342307E+00	G3	1.1306020E+00
(3P+,3D+)	F0	3.2597945E+00	F2	1.5686980E+00	G1	1.7484824E+00	G3	1.1396912E+00
(3P+,4S+)	F0	1.7194093E+00	G1	1.5129022E-01				
(3P+,4P-)	F0	1.6846476E+00	G2	1.4356505E-01				
(3P+,4P+)	F0	1.6280122E+00	F2	4.4604566E-01	G0	1.1604281E-01	G2	1.3794411E-01
(3P+,4D-)	F0	1.5321425E+00	F2	3.8486345E-01	G1	8.3464822E-02	G3	8.7471447E-02
(3P+,4D+)	F0	1.5150802E+00	F2	3.7671446E-01	G1	8.1171419E-02	G3	8.5662033E-02
(3P+,5S+)	F0	7.7576316E-01	G1	2.3076257E-02				
(3P+,5P-)	F0	6.9678248E-01	G2	1.9128699E-02				
(3P+,5P+)	F0	6.6611015E-01	F2	6.9448984E-02	G0	1.4534366E-02	G2	1.8109279E-02
(3P+,5D-)	F0	4.2535112E-01	F2	2.6337154E-02	G1	4.8619575E-03	G3	5.1559769E-03
(3P+,6S+)	F0	2.7274495E-01	G1	2.2710237E-03				
(3D-,3D-)	F0	3.5181811E+00	F2	1.7668345E+00				
(3D-,3D+)	F0	3.4922700E+00	F2	1.7570294E+00	G2	1.7414441E+00	G4	1.1155780E+00
(3D-,4S+)	F0	1.7458835E+00	G2	1.4484184E-01				
(3D-,4P-)	F0	1.7107001E+00	G1	1.4078867E-01				
(3D-,4P+)	F0	1.6521449E+00	F2	4.1126488E-01	G1	1.3103351E-01	G3	1.2882540E-01
(3D-,4D-)	F0	1.5618995E+00	F2	3.7355715E-01	G0	1.1992394E-01	G2	1.4371216E-01
(3D-,4D+)	F0	1.5442947E+00	F2	3.6618866E-01	G2	1.4031399E-01	G4	1.0811324E-01
(3D-,5S+)	F0	7.8034173E-01	G2	2.2530554E-02				
(3D-,5P-)	F0	7.0054595E-01	G1	1.8268343E-02				
(3D-,5P+)	F0	6.6952892E-01	F2	6.3388401E-02	G1	1.6828531E-02	G3	1.7149062E-02
(3D-,5D-)	F0	4.2712795E-01	F2	2.5046910E-02	G0	6.6336484E-03	G2	8.2700690E-03
(3D-,6S+)	F0	2.7320359E-01	G2	2.2243728E-03				
(3D+,3D+)	F0	3.4670790E+00	F2	1.7480383E+00	F4	1.1200090E+00		
(3D+,4S+)	F0	1.7421814E+00	G2	1.4642149E-01				
(3D+,4P-)	F0	1.7069388E+00	G3	1.3995194E-01				
(3D+,4P+)	F0	1.6486620E+00	F2	4.1586915E-01	G1	1.3163881E-01	G3	1.3027228E-01

TABLE 1.– CONTINUED

LANTHANUM 5D1 Z=57

(3D+,4D-)	F0	1.5585145E+00	F2	3.7685756E-01	G2	1.4182561E-01	G4	1.1003780E-01			
(3D+,4D+)	F0	1.5410048E+00	F2	3.6941204E-01	F4	1.7328881E-01	G0	1.1717204E-01	G2	1.4143113E-01	G4 1.0933946E-01
(3D+,5S+)	F0	7.7969926E-01	G2	2.2676790E-02							
(3D+,5P-)	F0	6.9999933E-01	G3	1.8825340E-02							
(3D+,5P+)	F0	6.6903294E-01	F2	6.4188354E-02	G1	1.6856439E-02	G3	1.7305027E-02			
(3D+,5D-)	F0	4.2692435E-01	F2	2.5319899E-02	G2	8.1522914E-03	G4	6.4276111E-03			
(3D+,6S+)	F0	2.7313920E-01	G2	2.2376783E-03							
(4S+,4S+)	F0	1.3705033E+00									
(4S+,4P-)	F0	1.3498224E+00	G1	9.1887003E-01							
(4S+,4P+)	F0	1.3215914E+00	G1	8.9494782E-01							
(4S+,4D-)	F0	1.2643168E+00	G2	6.2139964E-01							
(4S+,4D+)	F0	1.2549427E+00	G2	6.1406739E-01							
(4S+,5S+)	F0	7.2125254E-01	G0	3.8320076E-02							
(4S+,5P-)	F0	6.5251849E-01	G1	4.1496330E-02							
(4S+,5P+)	F0	6.2598302E-01	G1	4.2566328E-02							
(4S+,5D-)	F0	4.1013477E-01	G2	1.7845080E-02							
(4S+,6S+)	F0	2.6733508E-01	G0	3.3838764E-03							
(4P-,4P-)	F0	1.3303880E+00									
(4P-,4P+)	F0	1.3033606E+00	G2	6.7829060E-01							
(4P-,4D-)	F0	1.2481177E+00	G1	8.0940631E-01							
(4P-,4D+)	F0	1.2391090E+00	G3	4.9816126E-01							
(4P-,5S+)	F0	7.1851392E-01	G1	5.2925605E-02							
(4P-,5P-)	F0	6.5041010E-01	G0	3.3404147E-02							
(4P-,5P+)	F0	6.2403844E-01	G2	4.0831194E-02							
(4P-,5D-)	F0	4.0938289E-01	G1	1.9419565E-02							
(4P-,6S+)	F0	2.6706742E-01	G1	4.7140389E-03							
(4P+,4P+)	F0	1.2783903E+00	F2	6.7006275E-01							
(4P+,4D-)	F0	1.2260122E+00	F2	6.2861525E-01	G1	7.9868056E-01	G3	4.9930662E-01			
(4P+,4D+)	F0	1.2175806E+00	F2	6.2375849E-01	G1	7.9339840E-01	G3	4.9551647E-01			
(4P+,5S+)	F0	7.1464016E-01	G1	5.5125996E-02							
(4P+,5P-)	F0	6.4731852E-01	G2	4.3225446E-02							
(4P+,5P+)	F0	6.2121849E-01	F2	1.5939444E-01	G0	3.1430880E-02	G2	4.0488618E-02			
(4P+,5D-)	F0	4.0829584E-01	F2	6.4217990E-02	G1	1.7474327E-02	G3	1.4604208E-02			
(4P+,6S+)	F0	2.6668793E-01	G1	4.8251159E-03							
(4D-,4D-)	F0	1.1803462E+00	F2	5.9954358E-01							
(4D-,4D+)	F0	1.1727887E+00	F2	5.9585444E-01	G2	5.9501539E-01	G4	3.9754226E-01			
(4D-,5S+)	F0	7.0614108E-01	G2	7.8436725E-02							
(4D-,5P-)	F0	6.4075548E-01	G1	5.6292547E-02							
(4D-,5P+)	F0	6.1525800E-01	F2	1.7268649E-01	G1	4.8503304E-02	G3	4.7336897E-02			
(4D-,5D-)	F0	4.0619889E-01	F2	7.0756611E-02	G0	1.4843429E-02	G2	1.7639075E-02			
(4D-,6S+)	F0	2.6586912E-01	G2	6.2673543E-03							
(4D+,4D+)	F0	1.1654050E+00	F2	5.9242929E-01	F4	3.9575955E-01					
(4D+,5S+)	F0	7.0474712E-01	G2	8.1022669E-02							
(4D+,5P-)	F0	6.3966677E-01	G3	5.5381948E-02							
(4D+,5P+)	F0	6.1427193E-01	F2	1.7475279E-01	G1	4.9848523E-02	G3	4.8444785E-02			
(4D+,5D-)	F0	4.0583269E-01	F2	7.1714496E-02	G2	1.7637239E-02	G4	1.4545277E-02			
(4D+,6S+)	F0	2.6573463E-01	G2	6.4024919E-03							
(5S+,5S+)	F0	5.7733105E-01									
(5S+,5P-)	F0	5.4222824E-01	G1	3.6916127E-01							
(5S+,5P+)	F0	5.2746784E-01	G1	3.4772706E-01							
(5S+,5D-)	F0	3.7723855E-01	G2	1.1226589E-01							
(5S+,6S+)	F0	2.5471062E-01	G0	9.7793184E-03							
(5P-,5P-)	F0	5.1358482E-01									
(5P-,5P+)	F0	5.0138816E-01	G2	2.6759480E-01							
(5P-,5D-)	F0	3.6786781E-01	G1	1.7735395E-01							

TABLE 1.– CONTINUED

LANTHANUM 5D1 Z=57

(5P-,6S+)	F0	2.5195692E-01	G1	1.6312782E-02			
(5P+,5P+)	F0	4.9022685E-01	F2	2.6321829E-01			
(5P+,5D-)	F0	3.6370421E-01	F2	1.6525605E-01	G1	1.8841134E-01	G3 1.1527322E-01
(5P+,6S+)	F0	2.5076432E-01	G1	1.8797454E-02			
(5D-,6S+)	F0	2.2997529E-01	G2	7.1723668E-02			
(6S+,6S+)	F0	1.9951410E-01					

CERIUM 4F2 Z=58

(1S+,1S+)	F0	3.8441358E+01		
(1S+,2S+)	F0	1.2318423E+01	G0	1.3266977E+00
(1S+,2P-)	F0	1.4296610E+01	G1	2.5287651E+00
(1S+,2P+)	F0	1.3182056E+01	G1	2.3212098E+00
(1S+,3S+)	F0	4.8548828E+00	G0	2.4631400E-01
(1S+,3P-)	F0	5.1683929E+00	G1	4.5587085E-01
(1S+,3P+)	F0	4.8777968E+00	G1	4.3633589E-01
(1S+,3D-)	F0	4.8134778E+00	G2	1.8997009E-02
(1S+,3D+)	F0	4.7250135E+00	G2	1.9674626E-02
(1S+,4S+)	F0	2.1092262E+00	G0	5.5827989E-02
(1S+,4P-)	F0	2.0979239E+00	G1	9.6802583E-02
(1S+,4P+)	F0	1.9938785E+00	G1	9.2637583E-02
(1S+,4D-)	F0	1.7858865E+00	G2	3.8994382E-03
(1S+,4D+)	F0	1.7569593E+00	G2	4.0330004E-03
(1S+,4F-)	F0	1.0929834E+00	G3	4.1398674E-06
(1S+,5S+)	F0	8.3999532E-01	G0	9.4702709E-03
(1S+,5P-)	F0	7.4770739E-01	G1	1.3434230E-02
(1S+,5P+)	F0	7.0703915E-01	G1	1.2503769E-02
(1S+,6S+)	F0	2.7060768E-01	G0	8.6800907E-04
(2S+,2S+)	F0	8.6341206E+00		
(2S+,2P-)	F0	9.2969155E+00	G1	5.0175580E+00
(2S+,2P+)	F0	9.0386573E+00	G1	5.1184116E+00
(2S+,3S+)	F0	4.1864903E+00	G0	3.3869951E-01
(2S+,3P-)	F0	4.3660923E+00	G1	3.3114209E-01
(2S+,3P+)	F0	4.1986667E+00	G1	3.0390530E-01
(2S+,3D-)	F0	4.6265815E+00	G2	1.0504087E+00
(2S+,3D+)	F0	4.5570698E+00	G2	1.0193543E+00
(2S+,4S+)	F0	1.9573665E+00	G0	6.6179807E-02
(2S+,4P-)	F0	1.9294426E+00	G1	6.3809045E-02
(2S+,4P+)	F0	1.8519578E+00	G1	5.7859471E-02
(2S+,4D-)	F0	1.7504698E+00	G2	1.6463022E-01
(2S+,4D+)	F0	1.7252219E+00	G2	1.6035530E-01
(2S+,4F-)	F0	1.0927325E+00	G3	3.3333432E-03
(2S+,5S+)	F0	8.1421728E-01	G0	1.0907603E-02
(2S+,5P-)	F0	7.2436887E-01	G1	8.7045020E-03
(2S+,5P+)	F0	6.8793504E-01	G1	7.6638517E-03
(2S+,6S+)	F0	2.6824492E-01	G0	9.9569933E-04
(2P-,2P-)	F0	1.0378294E+01		
(2P-,2P+)	F0	1.0004795E+01	G2	4.5516644E+00
(2P-,3S+)	F0	4.2928686E+00	G1	4.0203723E-01
(2P-,3P-)	F0	4.5178425E+00	G0	4.3973155E-01
(2P-,3P+)	F0	4.3394852E+00	G2	4.2494395E-01
(2P-,3D-)	F0	4.6905203E+00	G1	1.0701112E+00

TABLE 1.– CONTINUED

CERIUM 4F2 Z=58

(2P-,3D+)	F0	4.6154240E+00	G3	5.7994019E-01				
(2P-,4S+)	F0	1.9811306E+00	G1	8.2074004E-02				
(2P-,4P-)	F0	1.9607229E+00	G0	8.1062174E-02				
(2P-,4P+)	F0	1.8808941E+00	G2	8.2714309E-02				
(2P-,4D-)	F0	1.7623645E+00	G1	1.7265239E-01				
(2P-,4D+)	F0	1.7360632E+00	G3	9.5503523E-02				
(2P-,4F-)	F0	1.0928337E+00	G2	2.6425565E-03				
(2P-,5S+)	F0	8.1823772E-01	G1	1.3638725E-02				
(2P-,5P-)	F0	7.2868734E-01	G0	1.0970691E-02				
(2P-,5P+)	F0	6.9181848E-01	G2	1.0993976E-02				
(2P-,6S+)	F0	2.6861328E-01	G1	1.2464410E-03				
(2P+,2P+)	F0	9.6768474E+00	F2	4.5989283E+00				
(2P+,3S+)	F0	4.2501333E+00	G1	3.9649129E-01				
(2P+,3P-)	F0	4.4633388E+00	G2	4.3567307E-01				
(2P+,3P+)	F0	4.2905413E+00	F2	1.0162111E+00	G0	4.0029711E-01	G2	4.3319418E-01
(2P+,3D-)	F0	4.6673358E+00	F2	1.3289697E+00	G1	1.1663766E+00	G3	6.6990673E-01
(2P+,3D+)	F0	4.5941492E+00	F2	1.2818956E+00	G1	1.1460396E+00	G3	6.5842658E-01
(2P+,4S+)	F0	1.9715321E+00	G1	8.0286611E-02				
(2P+,4P-)	F0	1.9494071E+00	G2	8.4635166E-02				
(2P+,4P+)	F0	1.8707812E+00	F2	2.1028819E-01	G0	7.3012371E-02	G2	8.4080954E-02
(2P+,4D-)	F0	1.7581389E+00	F2	2.1381725E-01	G1	1.8314640E-01	G3	1.0769951E-01
(2P+,4D+)	F0	1.7321916E+00	F2	2.0596607E-01	G1	1.8090920E-01	G3	1.0632497E-01
(2P+,4F-)	F0	1.0927880E+00	F2	3.7790025E-02	G2	3.2787520E-03	G4	2.1138277E-03
(2P+,5S+)	F0	8.1661205E-01	G1	1.3321700E-02				
(2P+,5P-)	F0	7.2712303E-01	G2	1.1560067E-02				
(2P+,5P+)	F0	6.9045989E-01	F2	2.8640927E-02	G0	9.5962467E-03	G2	1.1170015E-02
(2P+,6S+)	F0	2.6846431E-01	G1	1.2172126E-03				
(3S+,3S+)	F0	3.2236500E+00						
(3S+,3P-)	F0	3.2832104E+00	G1	2.1100672E+00				
(3S+,3P+)	F0	3.2133371E+00	G1	2.1049039E+00				
(3S+,3D-)	F0	3.3672739E+00	G2	1.3783562E+00				
(3S+,3D+)	F0	3.3463313E+00	G2	1.3879988E+00				
(3S+,4S+)	F0	1.7629987E+00	G0	1.1926918E-01				
(3S+,4P-)	F0	1.7277517E+00	G1	1.2574254E-01				
(3S+,4P+)	F0	1.6670446E+00	G1	1.2748081E-01				
(3S+,4D-)	F0	1.5720358E+00	G2	8.0613442E-02				
(3S+,4D+)	F0	1.5535387E+00	G2	7.8466142E-02				
(3S+,4F-)	F0	1.0794379E+00	G3	8.9807238E-02				
(3S+,5S+)	F0	7.8174921E-01	G0	1.7029366E-02				
(3S+,5P-)	F0	6.9682985E-01	G1	1.5350505E-02				
(3S+,5P+)	F0	6.6336778E-01	G1	1.5115714E-02				
(3S+,6S+)	F0	2.6527516E-01	G0	1.5256538E-03				
(3P-,3P-)	F0	3.3562061E+00						
(3P-,3P+)	F0	3.2789215E+00	G2	1.6264019E+00				
(3P-,3D-)	F0	3.4461279E+00	G1	1.8962855E+00				
(3P-,3D+)	F0	3.4229718E+00	G3	1.2235093E+00				
(3P-,4S+)	F0	1.7741853E+00	G1	1.5523320E-01				
(3P-,4P-)	F0	1.7404350E+00	G0	1.2650302E-01				
(3P-,4P+)	F0	1.6786760E+00	G2	1.4247356E-01				
(3P-,4D-)	F0	1.5818128E+00	G1	8.4442715E-02				
(3P-,4D+)	F0	1.5630820E+00	G3	8.6790703E-02				
(3P-,4F-)	F0	1.0805062E+00	G2	1.0590177E-01				
(3P-,5S+)	F0	7.8360102E-01	G1	2.2843602E-02				
(3P-,5P-)	F0	6.9854693E-01	G0	1.5106426E-02				
(3P-,5P+)	F0	6.6490164E-01	G2	1.7389124E-02				

TABLE 1.– CONTINUED

CERIUM 4F2 Z=58

(3P-,6S+)	F0	2.6544434E-01	G1	2.0544638E-03						
(3P+,3P+)	F0	3.2081961E+00	F2	1.6103580E+00						
(3P+,3D-)	F0	3.3591415E+00	F2	1.6048383E+00	G1	1.7699559E+00	G3	1.1552828E+00		
(3P+,3D+)	F0	3.3378781E+00	F2	1.6056178E+00	G1	1.7853266E+00	G3	1.1651116E+00		
(3P+,4S+)	F0	1.7618145E+00	G1	1.5502090E-01						
(3P+,4P-)	F0	1.7278683E+00	G2	1.4734878E-01						
(3P+,4P+)	F0	1.6671025E+00	F2	4.5714388E-01	G0	1.1885054E-01	G2	1.4117814E-01		
(3P+,4D-)	F0	1.5714162E+00	F2	3.9599570E-01	G1	8.5837562E-02	G3	8.9904986E-02		
(3P+,4D+)	F0	1.5529135E+00	F2	3.8711170E-01	G1	8.3227401E-02	G3	8.7861341E-02		
(3P+,4F-)	F0	1.0785074E+00	F2	2.2915114E-01	G2	1.1706076E-01	G4	7.6988655E-02		
(3P+,5S+)	F0	7.8156558E-01	G1	2.2552804E-02						
(3P+,5P-)	F0	6.9685396E-01	G2	1.8302152E-02						
(3P+,5P+)	F0	6.6338435E-01	F2	6.6560799E-02	G0	1.3804398E-02	G2	1.7172300E-02		
(3P+,6S+)	F0	2.6525853E-01	G1	2.0256039E-03						
(3D-,3D-)	F0	3.6081034E+00	F2	1.8133307E+00						
(3D-,3D+)	F0	3.5805843E+00	F2	1.8029341E+00	G2	1.7861744E+00	G4	1.1446145E+00		
(3D-,4S+)	F0	1.7895617E+00	G2	1.4804828E-01						
(3D-,4P-)	F0	1.7552231E+00	G1	1.4423850E-01						
(3D-,4P+)	F0	1.6923458E+00	F2	4.2072491E-01	G1	1.3379149E-01	G3	1.3156873E-01		
(3D-,4D-)	F0	1.6024799E+00	F2	3.8364724E-01	G0	1.2274598E-01	G2	1.4733271E-01		
(3D-,4D+)	F0	1.5833703E+00	F2	3.7562028E-01	G2	1.4360889E-01	G4	1.1072249E-01		
(3D-,4F-)	F0	1.0821518E+00	F2	1.9433962E-01	G1	1.2621113E-01	G3	7.3573136E-02		
(3D-,5S+)	F0	7.8613753E-01	G2	2.1983135E-02						
(3D-,5P-)	F0	7.0053485E-01	G1	1.7466146E-02						
(3D-,5P+)	F0	6.6669389E-01	F2	6.0559154E-02	G1	1.5935846E-02	G3	1.6231723E-02		
(3D-,6S+)	F0	2.6567594E-01	G2	1.9804370E-03						
(3D+,3D+)	F0	3.5538591E+00	F2	1.7934363E+00	F4	1.1494906E+00				
(3D+,4S+)	F0	1.7856261E+00	G2	1.4969550E-01						
(3D+,4P-)	F0	1.7512149E+00	G3	1.4347118E-01						
(3D+,4P+)	F0	1.6886489E+00	F2	4.2560147E-01	G1	1.3440873E-01	G3	1.3308945E-01		
(3D+,4D-)	F0	1.5988800E+00	F2	3.8715848E-01	G2	1.4531032E-01	G4	1.1284172E-01		
(3D+,4D+)	F0	1.5798779E+00	F2	3.7904658E-01	F4	1.7781764E-01	G0	1.1974051E-01	G2	1.4481044E-01	G4	1.1203649E-01
(3D+,4F-)	F0	1.0816371E+00	F2	1.9831019E-01	F4	8.7457859E-02	G1	1.2949096E-01	G3	7.5548781E-02	G5	5.2087869E-02
(3D+,5S+)	F0	7.8548667E-01	G2	2.2129519E-02						
(3D+,5P-)	F0	6.9999221E-01	G3	1.7998025E-02						
(3D+,5P+)	F0	6.6620666E-01	F2	6.1358755E-02	G1	1.5962264E-02	G3	1.6384617E-02		
(3D+,6S+)	F0	2.6561649E-01	G2	1.9926681E-03						
(4S+,4S+)	F0	1.4043143E+00								
(4S+,4P-)	F0	1.3838852E+00	G1	9.4155527E-01						
(4S+,4P+)	F0	1.3536052E+00	G1	9.1605419E-01						
(4S+,4D-)	F0	1.2961902E+00	G2	6.3677483E-01						
(4S+,4D+)	F0	1.2860425E+00	G2	6.2893669E-01						
(4S+,4F-)	F0	9.5805368E-01	G3	2.7857484E-01						
(4S+,5S+)	F0	7.2831072E-01	G0	3.7740262E-02						
(4S+,5P-)	F0	6.5447482E-01	G1	3.9923176E-02						
(4S+,5P+)	F0	6.2535992E-01	G1	4.0781409E-02						
(4S+,6S+)	F0	2.6043828E-01	G0	3.0642594E-03						
(4P-,4P-)	F0	1.3646700E+00								
(4P-,4P+)	F0	1.3356152E+00	G2	6.9422829E-01						
(4P-,4D-)	F0	1.2801372E+00	G1	8.2957397E-01						
(4P-,4D+)	F0	1.2703663E+00	G3	5.1007993E-01						
(4P-,4F-)	F0	9.4933610E-01	G2	3.4866517E-01						
(4P-,5S+)	F0	7.2572845E-01	G1	5.2068802E-02						
(4P-,5P-)	F0	6.5253122E-01	G0	3.2287164E-02						
(4P-,5P+)	F0	6.2358338E-01	G2	3.9044228E-02						

TABLE 1.– CONTINUED

CERIUM 4F2 Z=58

(4P-,6S+)	F0	2.6020789E-01	G1	4.2619714E-03				
(4P+,4P+)	F0	1.3088629E+00	F2	6.8557251E-01				
(4P+,4D-)	F0	1.2563495E+00	F2	6.4369197E-01	G1	8.1767785E-01	G3	5.1108093E-01
(4P+,4D+)	F0	1.2472303E+00	F2	6.3847405E-01	G1	8.1208756E-01	G3	5.0705235E-01
(4P+,4F-)	F0	9.3712847E-01	F2	4.1546974E-01	G2	3.5017801E-01	G4	2.3897812E-01
(4P+,5S+)	F0	7.2175778E-01	G1	5.4398328E-02				
(4P+,5P-)	F0	6.4942650E-01	G2	4.1725371E-02				
(4P+,5P+)	F0	6.2077943E-01	F2	1.5486768E-01	G0	3.0155162E-02	G2	3.8719333E-02
(4P+,6S+)	F0	2.5985282E-01	G1	4.3759803E-03				
(4D-,4D-)	F0	1.2104509E+00	F2	6.1410917E-01				
(4D-,4D+)	F0	1.2022460E+00	F2	6.1009387E-01	G2	6.0918515E-01	G4	4.0678467E-01
(4D-,4F-)	F0	9.1201055E-01	F2	4.0749101E-01	G1	4.7667867E-01	G3	2.9382996E-01
(4D-,5S+)	F0	7.1356889E-01	G2	7.7477123E-02				
(4D-,5P-)	F0	6.4323641E-01	G1	5.4754564E-02				
(4D-,5P+)	F0	6.1521788E-01	F2	1.6792352E-01	G1	4.6582889E-02	G3	4.5328062E-02
(4D-,6S+)	F0	2.5913268E-01	G2	5.7096593E-03				
(4D+,4D+)	F0	1.1942388E+00	F2	6.0637655E-01	F4	4.0484276E-01		
(4D+,4F-)	F0	9.0770349E-01	F2	4.0688734E-01	F4	2.5447558E-01	G1	4.7573600E-01
(4D+,5S+)	F0	7.1212137E-01	G2	8.0210761E-02				
(4D+,5P-)	F0	6.4212887E-01	G3	5.3782181E-02				
(4D+,5P+)	F0	6.1422540E-01	F2	1.7010556E-01	G1	4.7973136E-02	G3	4.6470748E-02
(4D+,6S+)	F0	2.5900519E-01	G2	5.8446306E-03				
(4F-,4F-)	F0	7.3267029E-01	F2	3.2265656E-01	F4	1.9814833E-01		
(4F-,5S+)	F0	6.1969213E-01	G3	1.4517162E-01				
(4F-,5P-)	F0	5.6905153E-01	G2	1.4640028E-01				
(4F-,5P+)	F0	5.4834067E-01	F2	2.0862730E-01	G2	1.3372467E-01	G4	9.7572352E-02
(4F-,6S+)	F0	2.5031197E-01	G3	1.5018866E-02				
(5S+,5S+)	F0	5.8175559E-01						
(5S+,5P-)	F0	5.4411176E-01	G1	3.6967390E-01				
(5S+,5P+)	F0	5.2787420E-01	G1	3.4629676E-01				
(5S+,6S+)	F0	2.4872080E-01	G0	9.2083409E-03				
(5P-,5P-)	F0	5.1368742E-01						
(5P-,5P+)	F0	5.0037647E-01	G2	2.6629359E-01				
(5P-,6S+)	F0	2.4601186E-01	G1	1.5684592E-02				
(5P+,5P+)	F0	4.8827267E-01	F2	2.6154513E-01				
(5P+,6S+)	F0	2.4480086E-01	G1	1.8392355E-02				
(6S+,6S+)	F0	1.9427381E-01						

PRAESEODYMIUM 4F3 Z=59

(1S+,1S+)	F0	3.9217273E+01						
(1S+,2S+)	F0	1.2587305E+01	G0	1.3621915E+00				
(1S+,2P-)	F0	1.4618368E+01	G1	2.5825099E+00				
(1S+,2P+)	F0	1.3437091E+01	G1	2.3635286E+00				
(1S+,3S+)	F0	4.9719262E+00	G0	2.5440098E-01				
(1S+,3P-)	F0	5.2989306E+00	G1	4.6872290E-01				
(1S+,3P+)	F0	4.9904325E+00	G1	4.4818026E-01				
(1S+,3D-)	F0	4.9302296E+00	G2	1.9588830E-02				
(1S+,3D+)	F0	4.8363848E+00	G2	2.0325572E-02				
(1S+,4S+)	F0	2.1657704E+00	G0	5.8047675E-02				
(1S+,4P-)	F0	2.1580941E+00	G1	1.0035616E-01				
(1S+,4P+)	F0	2.0469615E+00	G1	9.5909655E-02				

TABLE 1.– CONTINUED

PRAESEODYMIUM 4F3 Z=59

(1S+,4D-)	F0	1.8405309E+00	G2	4.0825528E-03			
(1S+,4D+)	F0	1.8095509E+00	G2	4.2296309E-03			
(1S+,4F-)	F0	1.1737693E+00	G3	4.9090343E-06			
(1S+,5S+)	F0	8.6096596E-01	G0	9.8078251E-03			
(1S+,5P-)	F0	7.6685697E-01	G1	1.3837515E-02			
(1S+,5P+)	F0	7.2316761E-01	G1	1.2828107E-02			
(1S+,6S+)	F0	2.7442424E-01	G0	8.7433593E-04			
(2S+,2S+)	F0	8.8169862E+00					
(2S+,2P-)	F0	9.4969217E+00	G1	5.1157298E+00			
(2S+,2P+)	F0	9.2228257E+00	G1	5.2224848E+00			
(2S+,3S+)	F0	4.2832826E+00	G0	3.4822416E-01			
(2S+,3P-)	F0	4.4708026E+00	G1	3.4043188E-01			
(2S+,3P+)	F0	4.2936155E+00	G1	3.1159030E-01			
(2S+,3D-)	F0	4.7374207E+00	G2	1.0797723E+00			
(2S+,3D+)	F0	4.6637967E+00	G2	1.0469530E+00			
(2S+,4S+)	F0	2.0082303E+00	G0	6.8439509E-02			
(2S+,4P-)	F0	1.9827306E+00	G1	6.6098151E-02			
(2S+,4P+)	F0	1.9002041E+00	G1	5.9716038E-02			
(2S+,4D-)	F0	1.8034659E+00	G2	1.7121928E-01			
(2S+,4D+)	F0	1.7764727E+00	G2	1.6663945E-01			
(2S+,4F-)	F0	1.1734737E+00	G3	3.9051091E-03			
(2S+,5S+)	F0	8.3432835E-01	G0	1.1232631E-02			
(2S+,5P-)	F0	7.4272150E-01	G1	8.9569240E-03			
(2S+,5P+)	F0	7.0359197E-01	G1	7.8359609E-03			
(2S+,6S+)	F0	2.7204933E-01	G0	9.9730947E-04			
(2P-,2P-)	F0	1.0607481E+01					
(2P-,2P+)	F0	1.0210752E+01	G2	4.6370967E+00			
(2P-,3S+)	F0	4.3931514E+00	G1	4.1246645E-01			
(2P-,3P-)	F0	4.6277571E+00	G0	4.5287046E-01			
(2P-,3P+)	F0	4.4388861E+00	G2	4.3602119E-01			
(2P-,3D-)	F0	4.8036395E+00	G1	1.0993075E+00			
(2P-,3D+)	F0	4.7240347E+00	G3	5.9464107E-01			
(2P-,4S+)	F0	2.0329409E+00	G1	8.4715337E-02			
(2P-,4P-)	F0	2.0153477E+00	G0	8.4386990E-02			
(2P-,4P+)	F0	1.9302844E+00	G2	8.5469239E-02			
(2P-,4D-)	F0	1.8159584E+00	G1	1.7958443E-01			
(2P-,4D+)	F0	1.7878197E+00	G3	9.9162013E-02			
(2P-,4F-)	F0	1.1735934E+00	G2	3.0890126E-03			
(2P-,5S+)	F0	8.3849242E-01	G1	1.4019334E-02			
(2P-,5P-)	F0	7.4719528E-01	G0	1.1303387E-02			
(2P-,5P+)	F0	7.0759213E-01	G2	1.1254923E-02			
(2P-,6S+)	F0	2.7242041E-01	G1	1.2461567E-03			
(2P+,2P+)	F0	9.8641393E+00	F2	4.6880879E+00			
(2P+,3S+)	F0	4.3474840E+00	G1	4.0659131E-01			
(2P+,3P-)	F0	4.5694306E+00	G2	4.4737675E-01			
(2P+,3P+)	F0	4.3867095E+00	F2	1.0421922E+00	G0	4.1081061E-01	G2 4.4473113E-01
(2P+,3D-)	F0	4.7788256E+00	F2	1.3672684E+00	G1	1.2017381E+00	G3 6.9032357E-01
(2P+,3D+)	F0	4.7013344E+00	F2	1.3172808E+00	G1	1.1803966E+00	G3 6.7827901E-01
(2P+,4S+)	F0	2.0226136E+00	G1	8.2801062E-02			
(2P+,4P-)	F0	2.0031380E+00	G2	8.7542649E-02			
(2P+,4P+)	F0	1.9194205E+00	F2	2.1729472E-01	G0	7.5405989E-02	G2 8.6920629E-02
(2P+,4D-)	F0	1.8113730E+00	F2	2.2271530E-01	G1	1.9080065E-01	G3 1.1226499E-01
(2P+,4D+)	F0	1.7836322E+00	F2	2.1425003E-01	G1	1.8843794E-01	G3 1.1080962E-01
(2P+,4F-)	F0	1.1735376E+00	F2	4.2905624E-02	G2	3.8606762E-03	G4 2.4859219E-03
(2P+,5S+)	F0	8.3675021E-01	G1	1.3680982E-02			

TABLE 1.– CONTINUED

PRAESEODYMIUM 4F3 Z=59

(2P+,5P-)	F0	7.4551832E-01	G2	1.1877234E-02				
(2P+,5P+)	F0	7.0614593E-01	F2	2.9344836E-02	G0	9.8175647E-03	G2	1.1440081E-02
(2P+,6S+)	F0	2.7226513E-01	G1	1.2158165E-03				
(3S+,3S+)	F0	3.2982057E+00						
(3S+,3P-)	F0	3.3607971E+00	G1	2.1573805E+00				
(3S+,3P+)	F0	3.2868158E+00	G1	2.1522500E+00				
(3S+,3D-)	F0	3.4472411E+00	G2	1.4083351E+00				
(3S+,3D+)	F0	3.4250876E+00	G2	1.4186914E+00				
(3S+,4S+)	F0	1.8079541E+00	G0	1.2272193E-01				
(3S+,4P-)	F0	1.7742563E+00	G1	1.2936499E-01				
(3S+,4P+)	F0	1.7097020E+00	G1	1.3114761E-01				
(3S+,4D-)	F0	1.6183817E+00	G2	8.3748205E-02				
(3S+,4D+)	F0	1.5986562E+00	G2	8.1358916E-02				
(3S+,4F-)	F0	1.1581259E+00	G3	1.0259403E-01				
(3S+,5S+)	F0	8.0100505E-01	G0	1.7443164E-02				
(3S+,5P-)	F0	7.1444097E-01	G1	1.5680367E-02				
(3S+,5P+)	F0	6.7851216E-01	G1	1.5399653E-02				
(3S+,6S+)	F0	2.6908472E-01	G0	1.5202385E-03				
(3P-,3P-)	F0	3.4375426E+00						
(3P-,3P+)	F0	3.3555489E+00	G2	1.6627172E+00				
(3P-,3D-)	F0	3.5301272E+00	G1	1.9401714E+00				
(3P-,3D+)	F0	3.5055803E+00	G3	1.2525792E+00				
(3P-,4S+)	F0	1.8197783E+00	G1	1.5955007E-01				
(3P-,4P-)	F0	1.7876818E+00	G0	1.3050984E-01				
(3P-,4P+)	F0	1.7219752E+00	G2	1.4659284E-01				
(3P-,4D-)	F0	1.6287691E+00	G1	8.7384909E-02				
(3P-,4D+)	F0	1.6087855E+00	G3	8.9838087E-02				
(3P-,4F-)	F0	1.1594143E+00	G2	1.2067426E-01				
(3P-,5S+)	F0	8.0295442E-01	G1	2.3377879E-02				
(3P-,5P-)	F0	7.1624652E-01	G0	1.5474640E-02				
(3P-,5P+)	F0	6.8011582E-01	G2	1.7722875E-02				
(3P-,6S+)	F0	2.6925793E-01	G1	2.0453077E-03				
(3P+,3P+)	F0	3.2807567E+00	F2	1.6462701E+00				
(3P+,3D-)	F0	3.4378738E+00	F2	1.6413582E+00	G1	1.8055550E+00	G3	1.1798347E+00
(3P+,3D+)	F0	3.4154013E+00	F2	1.6423180E+00	G1	1.8220828E+00	G3	1.1934298E+00
(3P+,4S+)	F0	1.8065854E+00	G1	1.5929763E-01				
(3P+,4P-)	F0	1.7742357E+00	G2	1.5183828E-01				
(3P+,4P+)	F0	1.7096327E+00	F2	4.7016448E-01	G0	1.2229047E-01	G2	1.4518543E-01
(3P+,4D-)	F0	1.6176091E+00	F2	4.1056768E-01	G1	8.9201848E-02	G3	9.3373610E-02
(3P+,4D+)	F0	1.5978806E+00	F2	4.0102669E-01	G1	8.6275225E-02	G3	9.1111267E-02
(3P+,4F-)	F0	1.1570391E+00	F2	2.5609773E-01	G2	1.3367513E-01	G4	8.7968552E-02
(3P+,5S+)	F0	8.0079229E-01	G1	2.3066163E-02				
(3P+,5P-)	F0	7.1444688E-01	G2	1.8721333E-02				
(3P+,5P+)	F0	6.7851242E-01	F2	6.7992010E-02	G0	1.4067396E-02	G2	1.7491050E-02
(3P+,6S+)	F0	2.6906596E-01	G1	2.0152823E-03				
(3D-,3D-)	F0	3.6972287E+00	F2	1.8593695E+00				
(3D-,3D+)	F0	3.6680470E+00	F2	1.8483634E+00	G2	1.8303849E+00	G4	1.1733098E+00
(3D-,4S+)	F0	1.8356906E+00	G2	1.5181750E-01				
(3D-,4P-)	F0	1.8030129E+00	G1	1.4838715E-01				
(3D-,4P+)	F0	1.7361110E+00	F2	4.3206773E-01	G1	1.3728265E-01	G3	1.3505239E-01
(3D-,4D-)	F0	1.6503245E+00	F2	3.9726652E-01	G0	1.2590664E-01	G2	1.5261212E-01
(3D-,4D+)	F0	1.6299322E+00	F2	3.8866783E-01	G2	1.4858744E-01	G4	1.1464567E-01
(3D-,4F-)	F0	1.1613631E+00	F2	2.1686570E-01	G1	1.4337926E-01	G3	8.3643756E-02
(3D-,5S+)	F0	8.0556830E-01	G2	2.2460056E-02				
(3D-,5P-)	F0	7.1829352E-01	G1	1.7846902E-02				

TABLE 1.– CONTINUED

PRAESEODYMIUM 4F3 Z=59

(3D-,5P+)	F0	6.8195208E-01	F2	6.1734897E-02	G1	1.6203544E-02	G3	1.6510818E-02	
(3D-,6S+)	F0	2.6949007E-01	G2	1.9684342E-03					
(3D+,3D+)	F0	3.6397386E+00	F2	1.8383470E+00	F4	1.1786532E+00			
(3D+,4S+)	F0	1.8314961E+00	G2	1.5353993E-01					
(3D+,4P-)	F0	1.7987262E+00	G3	1.4770446E-01					
(3D+,4P+)	F0	1.7321693E+00	F2	4.3723826E-01	G1	1.3791418E-01	G3	1.3665705E-01	
(3D+,4D-)	F0	1.6464575E+00	F2	4.0101067E-01	G2	1.5042193E-01	G4	1.1692690E-01	
(3D+,4D+)	F0	1.6261854E+00	F2	3.9231926E-01	F4	1.8434121E-01	G0	1.2366687E-01	G2 1.4988969E-01 G4 1.1606603E-01
(3D+,4F-)	F0	1.1607547E+00	F2	2.2140917E-01	F4	9.8807608E-02	G1	1.4716743E-01	G3 8.5930307E-02 G5 5.9264594E-02
(3D+,5S+)	F0	8.0487729E-01	G2	2.2612219E-02					
(3D+,5P-)	F0	7.1771690E-01	G3	1.8403622E-02					
(3D+,5P+)	F0	6.8143727E-01	F2	6.2578528E-02	G1	1.6229423E-02	G3	1.6671006E-02	
(3D+,6S+)	F0	2.6942867E-01	G2	1.9808063E-03					
(4S+,4S+)	F0	1.4404496E+00							
(4S+,4P-)	F0	1.4206588E+00	G1	9.6615113E-01					
(4S+,4P+)	F0	1.3884754E+00	G1	9.3927800E-01					
(4S+,4D-)	F0	1.3329639E+00	G2	6.5554795E-01					
(4S+,4D+)	F0	1.3221927E+00	G2	6.4738977E-01					
(4S+,4F-)	F0	1.0214018E+00	G3	3.0527800E-01					
(4S+,5S+)	F0	7.4644925E-01	G0	3.8576838E-02					
(4S+,5P-)	F0	6.7117193E-01	G1	4.0615574E-02					
(4S+,5P+)	F0	6.3990021E-01	G1	4.1454377E-02					
(4S+,6S+)	F0	2.6428105E-01	G0	3.0508079E-03					
(4P-,4P-)	F0	1.4020278E+00							
(4P-,4P+)	F0	1.3710542E+00	G2	7.1200083E-01					
(4P-,4D-)	F0	1.3172909E+00	G1	8.5378479E-01					
(4P-,4D+)	F0	1.3068948E+00	G3	5.2500381E-01					
(4P-,4F-)	F0	1.0122133E+00	G2	3.8092440E-01					
(4P-,5S+)	F0	7.4396155E-01	G1	5.3129783E-02					
(4P-,5P-)	F0	6.6930493E-01	G0	3.2978976E-02					
(4P-,5P+)	F0	6.3820089E-01	G2	3.9704358E-02					
(4P-,6S+)	F0	2.6406514E-01	G1	4.2372656E-03					
(4P+,4P+)	F0	1.3426220E+00	F2	7.0302076E-01					
(4P+,4D-)	F0	1.2917907E+00	F2	6.6188522E-01	G1	8.4032920E-01	G3	5.2555224E-01	
(4P+,4D+)	F0	1.2821158E+00	F2	6.5642376E-01	G1	8.3466107E-01	G3	5.2142515E-01	
(4P+,4F-)	F0	9.9811829E-01	F2	4.5031536E-01	G2	3.8156990E-01	G4	2.6090760E-01	
(4P+,5S+)	F0	7.3975463E-01	G1	5.5574817E-02					
(4P+,5P-)	F0	6.6601401E-01	G2	4.2620898E-02					
(4P+,5P+)	F0	6.3524483E-01	F2	1.5803175E-01	G0	3.0678306E-02	G2	3.9356945E-02	
(4P+,6S+)	F0	2.6369911E-01	G1	4.3543243E-03					
(4D-,4D-)	F0	1.2471799E+00	F2	6.3260736E-01					
(4D-,4D+)	F0	1.2384109E+00	F2	6.2831921E-01	G2	6.2732347E-01	G4	4.1901444E-01	
(4D-,4F-)	F0	9.7189573E-01	F2	4.4054046E-01	G1	5.1649431E-01	G3	3.1929963E-01	
(4D-,5S+)	F0	7.3186053E-01	G2	7.8282605E-02					
(4D-,5P-)	F0	6.6004533E-01	G1	5.5486331E-02					
(4D-,5P+)	F0	6.2991213E-01	F2	1.7067198E-01	G1	4.6928168E-02	G3	4.5727968E-02	
(4D-,6S+)	F0	2.6302366E-01	G2	5.6432628E-03					
(4D+,4D+)	F0	1.2298612E+00	F2	6.2436133E-01	F4	4.1696263E-01			
(4D+,4F-)	F0	9.6695853E-01	F2	4.3963458E-01	F4	2.7603201E-01	G1	5.1500740E-01	G3 3.1858182E-01 G5 2.2392790E-01
(4D+,5S+)	F0	7.3033253E-01	G2	8.1138391E-02					
(4D+,5P-)	F0	6.5887468E-01	G3	5.4633512E-02					
(4D+,5P+)	F0	6.2886889E-01	F2	1.7298205E-01	G1	4.8352817E-02	G3	4.6910978E-02	
(4D+,6S+)	F0	2.6289263E-01	G2	5.7820047E-03					
(4F-,4F-)	F0	7.9938419E-01	F2	3.5696947E-01	F4	2.1997537E-01			
(4F-,5S+)	F0	6.4995760E-01	G3	1.4736587E-01					

TABLE 1.– CONTINUED

PRAESEODYMIUM 4F3 Z=59

(4F-,5P-)	F0	5.9584663E-01	G2	1.4656294E-01		
(4F-,5P+)	F0	5.7258840E-01	F2	2.1353228E-01	G2 1.3250448E-01	G4 9.7441916E-02
(4F-,6S+)	F0	2.5601639E-01	G3	1.3148347E-02		
(5S+,5S+)	F0	5.9614327E-01				
(5S+,5P-)	F0	5.5778208E-01	G1	3.7915884E-01		
(5S+,5P+)	F0	5.4035092E-01	G1	3.5418118E-01		
(5S+,6S+)	F0	2.5258792E-01	G0	9.2265792E-03		
(5P-,5P-)	F0	5.2671807E-01				
(5P-,5P+)	F0	5.1240231E-01	G2	2.7241678E-01		
(5P-,6S+)	F0	2.4989827E-01	G1	1.5704703E-02		
(5P+,5P+)	F0	4.9943980E-01	F2	2.6739646E-01		
(5P+,6S+)	F0	2.4863023E-01	G1	1.8566465E-02		
(6S+,6S+)	F0	1.9702934E-01				

NEODYMIUM 4F4 Z=60

(1S+,1S+)	F0	3.9999685E+01		
(1S+,2S+)	F0	1.2858959E+01	G0	1.3983671E+00
(1S+,2P-)	F0	1.4943849E+01	G1	2.6364361E+00
(1S+,2P+)	F0	1.3692810E+01	G1	2.4055885E+00
(1S+,3S+)	F0	5.0898996E+00	G0	2.6263444E-01
(1S+,3P-)	F0	5.4305922E+00	G1	4.8160920E-01
(1S+,3P+)	F0	5.1033244E+00	G1	4.6001612E-01
(1S+,3D-)	F0	5.0471707E+00	G2	2.0172664E-02
(1S+,3D+)	F0	4.9477130E+00	G2	2.0971797E-02
(1S+,4S+)	F0	2.2220831E+00	G0	6.0273010E-02
(1S+,4P-)	F0	2.2179370E+00	G1	1.0385178E-01
(1S+,4P+)	F0	2.0993418E+00	G1	9.9106464E-02
(1S+,4D-)	F0	1.8940944E+00	G2	4.2592563E-03
(1S+,4D+)	F0	1.8609590E+00	G2	4.4203388E-03
(1S+,4F-)	F0	1.2405742E+00	G3	5.6372717E-06
(1S+,5S+)	F0	8.8126932E-01	G0	1.0129724E-02
(1S+,5P-)	F0	7.8523412E-01	G1	1.4203799E-02
(1S+,5P+)	F0	7.3839942E-01	G1	1.3113046E-02
(1S+,6S+)	F0	2.7828934E-01	G0	8.7970992E-04
(2S+,2S+)	F0	9.0014035E+00		
(2S+,2P-)	F0	9.6987432E+00	G1	5.2143468E+00
(2S+,2P+)	F0	9.4080423E+00	G1	5.3272286E+00
(2S+,3S+)	F0	4.3807183E+00	G0	3.5786098E-01
(2S+,3P-)	F0	4.5762332E+00	G1	3.4978656E-01
(2S+,3P+)	F0	4.3888277E+00	G1	3.1928415E-01
(2S+,3D-)	F0	4.8484604E+00	G2	1.1089248E+00
(2S+,3D+)	F0	4.7705443E+00	G2	1.0742769E+00
(2S+,4S+)	F0	2.0588749E+00	G0	7.0686115E-02
(2S+,4P-)	F0	2.0357062E+00	G1	6.8357614E-02
(2S+,4P+)	F0	1.9478639E+00	G1	6.1524368E-02
(2S+,4D-)	F0	1.8554255E+00	G2	1.7756149E-01
(2S+,4D+)	F0	1.8265955E+00	G2	1.7266329E-01
(2S+,4F-)	F0	1.2402367E+00	G3	4.4339673E-03
(2S+,5S+)	F0	8.5381870E-01	G0	1.1537418E-02
(2S+,5P-)	F0	7.6035565E-01	G1	9.1868592E-03
(2S+,5P+)	F0	7.1841200E-01	G1	7.9844773E-03

TABLE 1.– CONTINUED

NEODYMIUM 4F4 Z=60

(2S+,6S+)	F0	2.7590514E-01	G0	9.9793887E-04		
(2P-,2P-)	F0	1.0838974E+01				
(2P-,2P+)	F0	1.0417874E+01	G2	4.7224655E+00		
(2P-,3S+)	F0	4.4941353E+00	G1	4.2295523E-01		
(2P-,3P-)	F0	4.7384810E+00	G0	4.6618232E-01		
(2P-,3P+)	F0	4.5385953E+00	G2	4.4711569E-01		
(2P-,3D-)	F0	4.9169687E+00	G1	1.1282562E+00		
(2P-,3D+)	F0	4.8326569E+00	G3	6.0911484E-01		
(2P-,4S+)	F0	2.0845335E+00	G1	8.7322489E-02		
(2P-,4P-)	F0	2.0696605E+00	G0	8.7092412E-02		
(2P-,4P+)	F0	1.9790765E+00	G2	8.8159767E-02		
(2P-,4D-)	F0	1.8685044E+00	G1	1.8625470E-01		
(2P-,4D+)	F0	1.8364330E+00	G3	1.0265035E-01		
(2P-,4F-)	F0	1.2403740E+00	G2	3.4997802E-03		
(2P-,5S+)	F0	8.5811965E-01	G1	1.4371827E-02		
(2P-,5P-)	F0	7.6497507E-01	G0	1.1610037E-02		
(2P-,5P+)	F0	7.2251784E-01	G2	1.1482318E-02		
(2P-,6S+)	F0	2.7627852E-01	G1	1.2445160E-03		
(2P+,2P+)	F0	1.0051839E+01	F2	4.7774058E+00		
(2P+,3S+)	F0	4.4453816E+00	G1	4.1674191E-01		
(2P+,3P-)	F0	4.6761271E+00	G2	4.5913943E-01		
(2P+,3P+)	F0	4.4830352E+00	F2	1.0682254E+00	G0 4.2135631E-01	G2 4.5629765E-01
(2P+,3D-)	F0	4.8904477E+00	F2	1.4056526E+00	G1 1.2371173E+00	G3 7.1075045E-01
(2P+,3D+)	F0	4.8084710E+00	F2	1.3526278E+00	G1 1.2147389E+00	G3 6.9812348E-01
(2P+,4S+)	F0	2.0734430E+00	G1	8.5277106E-02		
(2P+,4P-)	F0	2.0565145E+00	G2	9.0400593E-02		
(2P+,4P+)	F0	1.9674327E+00	F2	2.2415504E-01	G0 7.7745209E-02	G2 8.9697212E-02
(2P+,4D-)	F0	1.8635459E+00	F2	2.3136928E-01	G1 1.9320973E-01	G3 1.1668804E-01
(2P+,4D+)	F0	1.8339199E+00	F2	2.2226298E-01	G1 1.9571396E-01	G3 1.1514703E-01
(2P+,4F-)	F0	1.2403080E+00	F2	4.7433874E-02	G2 4.4068241E-03	G4 2.8380739E-03
(2P+,5S+)	F0	8.5625856E-01	G1	1.4012055E-02		
(2P+,5P-)	F0	7.6318411E-01	G2	1.2163357E-02		
(2P+,5P+)	F0	7.2098459E-01	F2	2.9965238E-02	G0 1.0010180E-02	G2 1.1676252E-02
(2P+,6S+)	F0	2.7611693E-01	G1	1.2130888E-03		
(3S+,3S+)	F0	3.3731878E+00				
(3S+,3P-)	F0	3.4388361E+00	G1	2.2048639E+00		
(3S+,3P+)	F0	3.3605492E+00	G1	2.1997412E+00		
(3S+,3D-)	F0	3.5274824E+00	G2	1.4384753E+00		
(3S+,3D+)	F0	3.5040600E+00	G2	1.4495687E+00		
(3S+,4S+)	F0	1.8527584E+00	G0	1.2614186E-01		
(3S+,4P-)	F0	1.8205355E+00	G1	1.3292663E-01		
(3S+,4P+)	F0	1.7519219E+00	G1	1.3474862E-01		
(3S+,4D-)	F0	1.6639372E+00	G2	8.6785219E-02		
(3S+,4D+)	F0	1.6429139E+00	G2	8.4143818E-02		
(3S+,4F-)	F0	1.2230433E+00	G3	1.1384928E-01		
(3S+,5S+)	F0	8.1970453E-01	G0	1.7827579E-02		
(3S+,5P-)	F0	7.3140288E-01	G1	1.5974276E-02		
(3S+,5P+)	F0	6.9289360E-01	G1	1.5645333E-02		
(3S+,6S+)	F0	2.7294846E-01	G0	1.5139823E-03		
(3P-,3P-)	F0	3.5193732E+00				
(3P-,3P+)	F0	3.4324390E+00	G2	1.6990030E+00		
(3P-,3D-)	F0	3.6144249E+00	G1	1.9843348E+00		
(3P-,3D+)	F0	3.5884194E+00	G3	1.2817639E+00		
(3P-,4S+)	F0	1.8652225E+00	G1	1.6380984E-01		
(3P-,4P-)	F0	1.8347067E+00	G0	1.3447337E-01		

TABLE 1.– CONTINUED

NEODYMIUM 4F4 Z=60

(3P-,4P+)	F0	1.7648339E+00	G2	1.5061495E-01						
(3P-,4D-)	F0	1.6749308E+00	G1	9.0228047E-02						
(3P-,4D+)	F0	1.6536233E+00	G3	9.2763888E-02						
(3P-,4F-)	F0	1.2245452E+00	G2	1.3359884E-01						
(3P-,5S+)	F0	8.2174831E-01	G1	2.3870076E-02						
(3P-,5P-)	F0	7.3329311E-01	G0	1.5809340E-02						
(3P-,5P+)	F0	6.9456244E-01	G2	1.8009176E-02						
(3P-,6S+)	F0	2.7312538E-01	G1	2.0348673E-03						
(3P+,3P+)	F0	3.3534030E+00	F2	1.6821763E+00						
(3P+,3D-)	F0	3.5166684E+00	F2	1.6778403E+00	G1	1.8410696E+00	G3	1.2043151E+00		
(3P+,3D+)	F0	3.4929343E+00	F2	1.6789879E+00	G1	1.8588033E+00	G3	1.2157096E+00		
(3P+,4S+)	F0	1.6511734E+00	G1	1.6352072E-01						
(3P+,4P-)	F0	1.8203445E+00	G2	1.5626126E-01						
(3P+,4P+)	F0	1.7516959E+00	F2	4.8291199E-01	G0	1.2565521E-01	G2	1.4909008E-01		
(3P+,4D-)	F0	1.6629846E+00	F2	4.2474269E-01	G1	9.2489810E-02	G3	9.6740604E-02		
(3P+,4D+)	F0	1.6419616E+00	F2	4.1450971E-01	G1	8.9228154E-02	G3	9.4246388E-02		
(3P+,4F-)	F0	1.2218051E+00	F2	2.7908856E-01	G2	1.4833116E-01	G4	9.7665906E-02		
(3P+,5S+)	F0	8.1945798E-01	G1	2.3537951E-02						
(3P+,5P-)	F0	7.3138642E-01	G2	1.9096806E-02						
(3P+,5P+)	F0	6.9287405E-01	F2	6.9248575E-02	G0	1.4294259E-02	G2	1.7762383E-02		
(3P+,6S+)	F0	2.7292726E-01	G1	2.0037582E-03						
(3D-,3D-)	F0	3.7864147E+00	F2	1.9053864E+00						
(3D-,3D+)	F0	3.7554968E+00	F2	1.8937422E+00	G2	1.8744881E+00	G4	1.2019292E+00		
(3D-,4S+)	F0	1.8816288E+00	G2	1.5554625E-01						
(3D-,4P-)	F0	1.8505368E+00	G1	1.5247866E-01						
(3D-,4P+)	F0	1.7793912E+00	F2	4.4315121E-01	G1	1.4068026E-01	G3	1.3843720E-01		
(3D-,4D-)	F0	1.6973199E+00	F2	4.1047779E-01	G0	1.3092471E-01	G2	1.5770697E-01		
(3D-,4D+)	F0	1.6755727E+00	F2	4.0127645E-01	G2	1.5336595E-01	G4	1.1841080E-01		
(3D-,4F-)	F0	1.2267729E+00	F2	2.3599751E-01	G1	1.5834877E-01	G3	9.2436965E-02		
(3D-,5S+)	F0	8.2442846E-01	G2	2.2897457E-02						
(3D-,5P-)	F0	7.3538910E-01	G1	1.8187523E-02						
(3D-,5P+)	F0	6.9643290E-01	F2	6.2751247E-02	G1	1.6428434E-02	G3	1.6744655E-02		
(3D-,6S+)	F0	2.7335726E-01	G2	1.9554158E-03						
(3D+,3D+)	F0	3.7255380E+00	F2	1.8831864E+00	F4	1.2077636E+00				
(3D+,4S+)	F0	1.8771648E+00	G2	1.5734784E-01						
(3D+,4P-)	F0	1.8459603E+00	G3	1.5187849E-01						
(3D+,4P+)	F0	1.7751965E+00	F2	4.4862676E-01	G1	1.4132691E-01	G3	1.4012885E-01		
(3D+,4D-)	F0	1.6931779E+00	F2	4.1446370E-01	G2	1.5534388E-01	G4	1.2086366E-01		
(3D+,4D+)	F0	1.6715647E+00	F2	4.0516119E-01	F4	1.9063210E-01	G0	1.2743917E-01	G2	1.5477277E-01	G4	1.1994124E-01
(3D+,4F-)	F0	1.2260745E+00	F2	2.4107247E-01	F4	1.0863436E-01	G1	1.6260752E-01	G3	9.5012301E-02	G5	6.5546856E-02
(3D+,5S+)	F0	8.2369686E-01	G2	2.3055542E-02						
(3D+,5P-)	F0	7.3477843E-01	G3	1.8766607E-02						
(3D+,5P+)	F0	6.9589089E-01	F2	6.3638808E-02	G1	1.6453817E-02	G3	1.6912081E-02		
(3D+,6S+)	F0	2.7329393E-01	G2	1.9679463E-03						
(4S+,4S+)	F0	1.4764102E+00								
(4S+,4P-)	F0	1.4572215E+00	G1	9.9057838E-01						
(4S+,4P+)	F0	1.4230288E+00	G1	9.6223631E-01						
(4S+,4D-)	F0	1.3692077E+00	G2	6.7390449E-01						
(4S+,4D+)	F0	1.3577741E+00	G2	6.6539639E-01						
(4S+,4F-)	F0	1.0731432E+00	G3	3.2679491E-01						
(4S+,5S+)	F0	7.6411223E-01	G0	3.9364297E-02						
(4S+,5P-)	F0	6.8730599E-01	G1	4.1244484E-02						
(4S+,5P+)	F0	6.5377061E-01	G1	4.2060385E-02						
(4S+,6S+)	F0	2.6817905E-01	G0	3.0374217E-03						
(4P-,4P-)	F0	1.4391472E+00								

TABLE 1.– CONTINUED

NEODYMIUM 4F4 Z=60

(4P-,4P+)	F0	1.4061486E+00	G2	7.2953751E-01				
(4P-,4D-)	F0	1.3539113E+00	G1	8.7754778E-01				
(4P-,4D+)	F0	1.3428509E+00	G3	5.3958466E-01				
(4P-,4F-)	F0	1.0636862E+00	G2	4.0680667E-01				
(4P-,5S+)	F0	7.6171691E-01	G1	5.4127757E-02				
(4P-,5P-)	F0	6.8551470E-01	G0	3.3616406E-02				
(4P-,5P+)	F0	6.5214723E-01	G2	4.0286390E-02				
(4P-,6S+)	F0	2.6797650E-01	G1	4.2130920E-03				
(4P+,4P+)	F0	1.3759532E+00	F2	7.2023428E-01				
(4P+,4D-)	F0	1.3266204E+00	F2	6.7971314E-01	G1	8.6249303E-01	G3	5.3968856E-01
(4P+,4D+)	F0	1.3163575E+00	F2	6.7399158E-01	G1	8.5673337E-01	G3	5.3545274E-01
(4P+,4F-)	F0	1.0478166E+00	F2	4.7818980E-01	G2	4.0653504E-01	G4	2.7843189E-01
(4P+,5S+)	F0	7.5726731E-01	G1	5.6699129E-02				
(4P+,5P-)	F0	6.8203418E-01	G2	4.3449161E-02				
(4P+,5P+)	F0	6.4903838E-01	F2	1.6089552E-01	G0	3.1142255E-02	G2	3.9916014E-02
(4P+,6S+)	F0	2.6759920E-01	G1	4.3339256E-03				
(4D-,4D-)	F0	1.2831814E+00	F2	6.5070595E-01				
(4D-,4D+)	F0	1.2738179E+00	F2	6.4612946E-01	G2	6.4504286E-01	G4	4.3093824E-01
(4D-,4F-)	F0	1.0210088E+00	F2	4.6701421E-01	G1	5.4807721E-01	G3	3.3961735E-01
(4D-,5S+)	F0	7.4964186E-01	G2	7.9111160E-02				
(4D-,5P-)	F0	6.7627085E-01	G1	5.6205025E-02				
(4D-,5P+)	F0	6.4391922E-01	F2	1.7315722E-01	G1	4.7237548E-02	G3	4.6076105E-02
(4D-,6S+)	F0	2.6696340E-01	G2	5.5347495E-03				
(4D+,4D+)	F0	1.2646971E+00	F2	6.4191850E-01	F4	4.2877031E-01		
(4D+,4F-)	F0	1.0154808E+00	F2	4.6581801E-01	F4	2.9324473E-01	G1	5.4605862E-01
(4D+,5S+)	F0	7.4802998E-01	G2	8.2098985E-02				
(4D+,5P-)	F0	6.7503515E-01	G3	5.5455663E-02				
(4D+,5P+)	F0	6.4282433E-01	F2	1.7560050E-01	G1	4.8700404E-02	G3	4.7302026E-02
(4D+,6S+)	F0	2.6682861E-01	G2	5.7277262E-03				
(4F-,4F-)	F0	8.5185245E-01	F2	3.8351619E-01	F4	2.3685375E-01		
(4F-,5S+)	F0	6.7429674E-01	G3	1.4835997E-01				
(4F-,5P-)	F0	6.1744161E-01	G2	1.4609468E-01				
(4F-,5P+)	F0	5.9180155E-01	F2	2.1664194E-01	G2	1.3087470E-01	G4	9.6812962E-02
(4F-,6S+)	F0	2.6083464E-01	G3	1.2057765E-02				
(5S+,5S+)	F0	6.1011537E-01						
(5S+,5P-)	F0	5.7099230E-01	G1	3.8830010E-01				
(5S+,5P+)	F0	5.5230291E-01	G1	3.6163007E-01				
(5S+,6S+)	F0	2.5650359E-01	G0	9.2514164E-03				
(5P-,5P-)	F0	5.3926336E-01						
(5P-,5P+)	F0	5.2389093E-01	G2	2.7822609E-01				
(5P-,6S+)	F0	2.5382638E-01	G1	1.5749085E-02				
(5P+,5P+)	F0	5.1003247E-01	F2	2.7292646E-01				
(5P+,6S+)	F0	2.5249758E-01	G1	1.8784884E-02				
(6S+,6S+)	F0	1.9997995E-01						

PROMETHIUM 4F5 Z=61

(1S+,1S+)	F0	4.0788905E+01		
(1S+,2S+)	F0	1.3133475E+01	G0	1.4352508E+00
(1S+,2P-)	F0	1.5273163E+01	G1	2.6905265E+00
(1S+,2P+)	F0	1.3949207E+01	G2	2.4473609E+00
(1S+,3S+)	F0	5.2088251E+00	G0	2.7101881E-01

TABLE 1.– CONTINUED

PROMETHIUM 4F5 Z=61

(1S+,3P-)	F0	5.5634017E+00	G1	4.9452393E-01				
(1S+,3P+)	F0	5.2164663E+00	G1	4.7183641E-01				
(1S+,3D-)	F0	5.1642948E+00	G2	2.0747284E-02				
(1S+,3D+)	F0	5.0589880E+00	G2	2.1612150E-02				
(1S+,4S+)	F0	2.2782961E+00	G0	6.2511739E-02				
(1S+,4P-)	F0	2.2776198E+00	G1	1.0730316E-01				
(1S+,4P+)	F0	2.1511791E+00	G1	1.0224184E-01				
(1S+,4D-)	F0	1.9468281E+00	G2	4.4303137E-03				
(1S+,4D+)	F0	1.9114329E+00	G2	4.6059417E-03				
(1S+,4F-)	F0	1.3006174E+00	G3	6.3492841E-06				
(1S+,5S+)	F0	9.0107581E-01	G0	1.0440361E-02				
(1S+,5P-)	F0	8.0305687E-01	G1	1.4541736E-02				
(1S+,5P+)	F0	7.5297275E-01	G1	1.3367818E-02				
(1S+,6S+)	F0	2.8196994E-01	G0	8.8639411E-04				
(2S+,2S+)	F0	9.1874184E+00						
(2S+,2P-)	F0	9.9024307E+00	G1	5.3134240E+00				
(2S+,2P+)	F0	9.5943241E+00	G1	5.4326605E+00				
(2S+,3S+)	F0	4.4788124E+00	G0	3.6761368E-01				
(2S+,3P-)	F0	4.6823990E+00	G1	3.5920581E-01				
(2S+,3P+)	F0	4.4843029E+00	G1	3.2698813E-01				
(2S+,3D-)	F0	4.9596997E+00	G2	1.1378438E+00				
(2S+,3D+)	F0	4.8773085E+00	G2	1.1013034E+00				
(2S+,4S+)	F0	2.1094117E+00	G0	7.2928646E-02				
(2S+,4P-)	F0	2.0885084E+00	G1	7.0597396E-02				
(2S+,4P+)	F0	1.9950742E+00	G1	6.3294438E-02				
(2S+,4D-)	F0	1.9065910E+00	G2	1.8370261E-01				
(2S+,4D+)	F0	1.8758315E+00	G2	1.7847218E-01				
(2S+,4F-)	F0	1.3002394E+00	G3	4.9415162E-03				
(2S+,5S+)	F0	8.7284665E-01	G0	1.1827170E-02				
(2S+,5P-)	F0	7.7747438E-01	G1	9.3999945E-03				
(2S+,5P+)	F0	7.3261893E-01	G1	8.1152731E-03				
(2S+,6S+)	F0	2.7957298E-01	G0	1.0001313E-03				
(2P-,2P-)	F0	1.1072832E+01						
(2P-,2P+)	F0	1.0626169E+01	G2	4.8077530E+00				
(2P-,3S+)	F0	4.5958361E+00	G1	4.3350459E-01				
(2P-,3P-)	F0	4.8500299E+00	G0	4.7967295E-01				
(2P-,3P+)	F0	4.6386114E+00	G2	4.5822683E-01				
(2P-,3D-)	F0	5.0305046E+00	G1	1.1569361E+00				
(2P-,3D+)	F0	4.9412837E+00	G3	6.2334852E-01				
(2P-,4S+)	F0	2.1360229E+00	G1	8.9906084E-02				
(2P-,4P-)	F0	2.1238055E+00	G0	9.0092182E-02				
(2P-,4P+)	F0	2.0274115E+00	G2	9.0799739E-02				
(2P-,4D-)	F0	1.9202478E+00	G1	1.9271096E-01				
(2P-,4D+)	F0	1.8881467E+00	G3	1.0599538E-01				
(2P-,4F-)	F0	1.3003939E+00	G2	3.8921705E-03				
(2P-,5S+)	F0	8.7727951E-01	G1	1.4702767E-02				
(2P-,5P-)	F0	7.8223250E-01	G0	1.1897818E-02				
(2P-,5P+)	F0	7.3682221E-01	G2	1.1684481E-02				
(2P-,6S+)	F0	2.7994920E-01	G1	1.2446998E-03				
(2P+,2P+)	F0	1.0239933E+01	F2	4.8668737E+00				
(2P+,3S+)	F0	4.5438349E+00	G1	4.2694458E-01				
(2P+,3P-)	F0	4.7834353E+00	G2	4.7096272E-01				
(2P+,3P+)	F0	4.5795121E+00	F2	1.0943073E+00	G0	4.3193426E-01	G2	4.6789266E-01
(2P+,3D-)	F0	5.0021967E+00	F2	1.4441152E+00	G1	1.2725005E+00	G3	7.3117902E-01
(2P+,3D+)	F0	4.9155509E+00	F2	1.3879277E+00	G1	1.2490529E+00	G3	7.1795172E-01

TABLE 1.– CONTINUED

PROMETHIUM 4F5 Z=61

(2P+,4S+)	F0	2.1241322E+00	G1	8.7725209E-02				
(2P+,4P-)	F0	2.1096774E+00	G2	9.3222642E-02				
(2P+,4P+)	F0	2.0149571E+00	F2	2.3090115E-01	G0	8.0042363E-02	G2	9.2424626E-02
(2P+,4D-)	F0	1.9149016E+00	F2	2.3983605E-01	G1	2.0542471E-01	G3	1.2099837E-01
(2P+,4D+)	F0	1.8832977E+00	F2	2.3006061E-01	G1	2.0278849E-01	G3	1.1936698E-01
(2P+,4F-)	F0	1.3003172E+00	F2	5.1661443E-02	G2	4.9385506E-03	G4	3.1810211E-03
(2P+,5S+)	F0	8.7529653E-01	G1	1.4321382E-02				
(2P+,5P-)	F0	7.8032533E-01	G2	1.2426137E-02				
(2P+,5P+)	F0	7.3520168E-01	F2	3.0522670E-02	G0	1.0181347E-02	G2	1.1886936E-02
(2P+,6S+)	F0	2.7978088E-01	G1	1.2121307E-03				
(3S+,3S+)	F0	3.4486067E+00						
(3S+,3P-)	F0	3.5173374E+00	G1	2.2525262E+00				
(3S+,3P+)	F0	3.4345402E+00	G1	2.2473812E+00				
(3S+,3D-)	F0	3.6080054E+00	G2	1.4687953E+00				
(3S+,3D+)	F0	3.5832550E+00	G2	1.4806498E+00				
(3S+,4S+)	F0	1.8974964E+00	G0	1.2954218E-01				
(3S+,4P-)	F0	1.8666946E+00	G1	1.3644611E-01				
(3S+,4P+)	F0	1.7938093E+00	G1	1.3830465E-01				
(3S+,4D-)	F0	1.7088912E+00	G2	8.9743808E-02				
(3S+,4D+)	F0	1.6865008E+00	G2	8.6840639E-02				
(3S+,4F-)	F0	1.2813127E+00	G3	1.2425195E-01				
(3S+,5S+)	F0	8.3798995E-01	G0	1.8190031E-02				
(3S+,5P-)	F0	7.4790023E-01	G1	1.6241986E-02				
(3S+,5P+)	F0	7.0671694E-01	G1	1.5863659E-02				
(3S+,6S+)	F0	2.7661946E-01	G0	1.5105565E-03				
(3P-,3P-)	F0	3.6017076E+00						
(3P-,3P+)	F0	3.5095931E+00	G2	1.7352563E+00				
(3P-,3D-)	F0	3.6990263E+00	G1	2.0287932E+00				
(3P-,3D+)	F0	3.6714929E+00	G3	1.3110727E+00				
(3P-,4S+)	F0	1.9106036E+00	G1	1.6803016E-01				
(3P-,4P-)	F0	1.8816162E+00	G0	1.3841158E-01				
(3P-,4P+)	F0	1.8073577E+00	G2	1.5456242E-01				
(3P-,4D-)	F0	1.7204887E+00	G1	9.2994462E-02				
(3P-,4D+)	F0	1.6977862E+00	G3	9.5593007E-02				
(3P-,4F-)	F0	1.2830273E+00	G2	1.4548682E-01				
(3P-,5S+)	F0	8.4012566E-01	G1	2.4330460E-02				
(3P-,5P-)	F0	7.4987222E-01	G0	1.6119753E-02				
(3P-,5P+)	F0	7.0844729E-01	G2	1.8260710E-02				
(3P-,6S+)	F0	2.7680021E-01	G1	2.0281215E-03				
(3P+,3P+)	F0	3.4261317E+00	F2	1.7180778E+00				
(3P+,3D-)	F0	3.5955244E+00	F2	1.7142884E+00	G1	1.8765082E+00	G3	1.2287297E+00
(3P+,3D+)	F0	3.5704752E+00	F2	1.7156315E+00	G1	1.8954977E+00	G3	1.2409575E+00
(3P+,4S+)	F0	1.8956615E+00	G1	1.6770833E-01				
(3P+,4P-)	F0	1.8662983E+00	G2	1.6064040E-01				
(3P+,4P+)	F0	1.7933958E+00	F2	4.9544329E-01	G0	1.2896201E-01	G2	1.5291412E-01
(3P+,4D-)	F0	1.7077301E+00	F2	4.3860885E-01	G1	9.5723274E-02	G3	1.0003047E-01
(3P+,4D+)	F0	1.6853443E+00	F2	4.2764853E-01	G1	9.2107691E-02	G3	9.7291064E-02
(3P+,4F-)	F0	1.2799202E+00	F2	2.9996709E-01	G2	1.6192203E-01	G4	1.0666647E-01
(3P+,5S+)	F0	8.3770481E-01	G1	2.3978326E-02				
(3P+,5P-)	F0	7.4785721E-01	G2	1.9440305E-02				
(3P+,5P+)	F0	7.0667416E-01	F2	7.0374978E-02	G0	1.4494651E-02	G2	1.7998826E-02
(3P+,6S+)	F0	2.7659548E-01	G1	1.9959227E-03				
(3D-,3D-)	F0	3.8756603E+00	F2	1.9513828E+00				
(3D-,3D+)	F0	3.8429314E+00	F2	1.9390720E+00	G2	1.9184842E+00	G4	1.2304733E+00
(3D-,4S+)	F0	1.9274626E+00	G2	1.5925164E-01				

TABLE 1.– CONTINUED

PROMETHIUM 4F5 Z=61

(3D-,4P-)	F0	1.8979022E+00	G1	1.5653384E-01						
(3D-,4P+)	F0	1.8222933E+00	F2	4.5403001E-01	G1	1.4400452E-01	G3	1.4174396E-01		
(3D-,4D-)	F0	1.7436609E+00	F2	4.2337131E-01	G0	1.3483371E-01	G2	1.6265887E-01		
(3D-,4D+)	F0	1.7204868E+00	F2	4.1353617E-01	G2	1.5798575E-01	G4	1.2205004E-01		
(3D-,4F-)	F0	1.2855185E+00	F2	2.5331122E-01	G1	1.7210954E-01	G3	1.0052794E-01		
(3D-,5S+)	F0	8.4286209E-01	G2	2.3305412E-02						
(3D-,5P-)	F0	7.5200835E-01	G1	1.8498963E-02						
(3D-,5P+)	F0	7.1034350E-01	F2	6.3649657E-02	G1	1.6622024E-02	G3	1.6945253E-02		
(3D-,6S+)	F0	2.7703167E-01	G2	1.9461631E-03						
(3D+,3D+)	F0	3.8112544E+00	F2	1.9279561E+00	F4	1.2368235E+00				
(3D+,4S+)	F0	1.9227179E+00	G2	1.6113654E-01						
(3D+,4P-)	F0	1.8930236E+00	G3	1.5601490E-01						
(3D+,4P+)	F0	1.8178367E+00	F2	4.5982200E-01	G1	1.4466711E-01	G3	1.4352577E-01		
(3D+,4D-)	F0	1.7392349E+00	F2	4.2760821E-01	G2	1.6011727E-01	G4	1.2468418E-01		
(3D+,4D+)	F0	1.7162099E+00	F2	4.1766281E-01	F4	1.9673908E-01	G0	1.3109068E-01	G2	1.5950122E-01
(3D+,4F-)	F0	1.2847301E+00	F2	2.5890590E-01	F4	1.1763576E-01	G1	1.7682561E-01	G3	1.0338464E-01
(3D+,5S+)	F0	8.4208923E-01	G2	2.3469605E-02						
(3D+,5P-)	F0	7.5136328E-01	G3	1.9098536E-02						
(3D+,5P+)	F0	7.0977441E-01	F2	6.4581393E-02	G1	1.6646966E-02	G3	1.7119931E-02		
(3D+,6S+)	F0	2.7696626E-01	G2	1.9588957E-03						
(4S+,4S+)	F0	1.5122727E+00								
(4S+,4P-)	F0	1.4936593E+00	G1	1.0148961E+00						
(4S+,4P+)	F0	1.4573506E+00	G1	9.8498703E-01						
(4S+,4D-)	F0	1.4050573E+00	G2	6.9194140E-01						
(4S+,4D+)	F0	1.3929227E+00	G2	6.8305396E-01						
(4S+,4F-)	F0	1.1194250E+00	G3	3.4555852E-01						
(4S+,5S+)	F0	7.8142126E-01	G0	4.0115051E-02						
(4S+,5P-)	F0	7.0303778E-01	G1	4.1828364E-02						
(4S+,5P+)	F0	6.6715096E-01	G1	4.2620966E-02						
(4S+,6S+)	F0	2.7187407E-01	G0	3.0305340E-03						
(4P-,4P-)	F0	1.4761222E+00								
(4P-,4P+)	F0	1.4409910E+00	G2	7.4688534E-01						
(4P-,4D-)	F0	1.3901365E+00	G1	9.0097241E-01						
(4P-,4D+)	F0	1.3783728E+00	G3	5.5389650E-01						
(4P-,4F-)	F0	1.1098143E+00	G2	4.2935537E-01						
(4P-,5S+)	F0	7.7911614E-01	G1	5.5078575E-02						
(4P-,5P-)	F0	7.0132091E-01	G0	3.4214677E-02						
(4P-,5P+)	F0	6.6560174E-01	G2	4.0812581E-02						
(4P-,6S+)	F0	2.7168349E-01	G1	4.1983141E-03						
(4P+,4P+)	F0	1.4089490E+00	F2	7.3726315E-01						
(4P+,4D-)	F0	1.3609742E+00	F2	6.9725532E-01	G1	8.8427320E-01	G3	5.5356125E-01		
(4P+,4D+)	F0	1.3500915E+00	F2	6.9125793E-01	G1	8.7841060E-01	G3	5.4920774E-01		
(4P+,4F-)	F0	1.0921917E+00	F2	5.0254842E-01	G2	4.2813836E-01	G4	2.9363822E-01		
(4P+,5S+)	F0	7.7441660E-01	G1	5.7787041E-02						
(4P+,5P-)	F0	6.9764633E-01	G2	4.4230488E-02						
(4P+,5P+)	F0	6.6233837E-01	F2	1.6353826E-01	G0	3.1563613E-02	G2	4.0418450E-02		
(4P+,6S+)	F0	2.7129378E-01	G1	4.3237102E-03						
(4D-,4D-)	F0	1.3186194E+00	F2	6.6849416E-01						
(4D-,4D+)	F0	1.3086304E+00	F2	6.6361364E-01	G2	6.6243206E-01	G4	4.4262105E-01		
(4D-,4F-)	F0	1.0650694E+00	F2	4.9024024E-01	G1	5.7551970E-01	G3	3.5731011E-01		
(4D-,5S+)	F0	7.6703820E-01	G2	7.9964094E-02						
(4D-,5P-)	F0	6.9207418E-01	G1	5.6921016E-02						
(4D-,5P+)	F0	6.5741884E-01	F2	1.7545188E-01	G1	4.7524340E-02	G3	4.6389463E-02		
(4D-,6S+)	F0	2.7069221E-01	G2	5.5436578E-03						
(4D+,4D+)	F0	1.2989101E+00	F2	6.5913716E-01	F4	4.4033095E-01				

TABLE 1.– CONTINUED

PROMETHIUM 4F5 Z=61

(4D+,4F-)	F0 1.0589573E+00	F2 4.8875802E-01	F4 3.0826454E-01	G1 5.7297403E-01	G3 3.5598943E-01	G5 2.5063734E-01
(4D+,5S+)	F0 7.6533894E-01	G2 8.3093555E-02				
(4D+,5P-)	F0 6.9077121E-01	G3 5.6263358E-02				
(4D+,5P+)	F0 6.5627119E-01	F2 1.7803372E-01	G1 4.9028835E-02	G3 4.7660758E-02		
(4D+,6S+)	F0 2.7055319E-01	G2 5.6914858E-03				
(4F-,4F-)	F0 8.9782352E-01	F2 4.0645699E-01	F4 2.5141000E-01			
(4F-,5S+)	F0 6.9603788E-01	G3 1.4910967E-01				
(4F-,5P-)	F0 6.3677607E-01	G2 1.4574342E-01				
(4F-,5P+)	F0 6.0878901E-01	F2 2.1916485E-01	G2 1.2944967E-01	G4 9.6204440E-02		
(4F-,6S+)	F0 2.6511813E-01	G3 1.1329291E-02				
(5S+,5S+)	F0 6.2377626E-01					
(5S+,5P-)	F0 5.8387105E-01	G1 3.9719656E-01				
(5S+,5P+)	F0 5.6387360E-01	G1 3.6875817E-01				
(5S+,6S+)	F0 2.6018671E-01	G0 9.2904032E-03				
(5P-,5P-)	F0 5.5146873E-01					
(5P-,5P+)	F0 5.3499992E-01	G2 2.8381720E-01				
(5P-,6S+)	F0 2.5751354E-01	G1 1.5813746E-02				
(5P+,5P+)	F0 5.2021994E-01	F2 2.7824163E-01				
(5P+,6S+)	F0 2.5612002E-01	G1 1.9027881E-02				
(6S+,6S+)	F0 2.0259412E-01					

SAMARIUM 4F6 Z=62

(1S+,1S+)	F0 4.1584903E+01	
(1S+,2S+)	F0 1.3410908E+01	G0 1.4728589E+00
(1S+,2P-)	F0 1.5606450E+01	G1 2.7448134E+00
(1S+,2P+)	F0 1.4206309E+01	G1 2.4888662E+00
(1S+,3S+)	F0 5.3287122E+00	G0 2.7955586E-01
(1S+,3P-)	F0 5.6973889E+00	G1 5.0746698E-01
(1S+,3P+)	F0 5.3298566E+00	G1 4.8363996E-01
(1S+,3D-)	F0 5.2816107E+00	G2 2.1312406E-02
(1S+,3D+)	F0 5.1702123E+00	G2 2.2246414E-02
(1S+,4S+)	F0 2.3345022E+00	G0 6.4769044E-02
(1S+,4P-)	F0 2.3372713E+00	G1 1.1072121E-01
(1S+,4P+)	F0 2.2025969E+00	G1 1.0532712E-01
(1S+,4D-)	F0 1.9989356E+00	G2 4.5964519E-03
(1S+,4D+)	F0 1.9611750E+00	G2 4.7872194E-03
(1S+,4F-)	F0 1.3562100E+00	G3 7.0515250E-06
(1S+,5S+)	F0 9.2058407E-01	G0 1.0745118E-02
(1S+,5P-)	F0 8.2052515E-01	G1 1.4860555E-02
(1S+,5P+)	F0 7.6704520E-01	G1 1.3600302E-02
(1S+,6S+)	F0 2.8574859E-01	G0 8.9209123E-04
(2S+,2S+)	F0 9.3750603E+00	
(2S+,2P-)	F0 1.0108036E+01	G1 5.4129532E+00
(2S+,2P+)	F0 9.7816911E+00	G1 5.5387785E+00
(2S+,3S+)	F0 4.5775722E+00	G0 3.7748315E-01
(2S+,3P-)	F0 4.7893205E+00	G1 3.6869131E-01
(2S+,3P+)	F0 4.5800445E+00	G1 3.3470238E-01
(2S+,3D-)	F0 5.0711487E+00	G2 1.1665218E+00
(2S+,3D+)	F0 4.9840936E+00	G2 1.1280238E+00
(2S+,4S+)	F0 2.1599197E+00	G0 7.5173319E-02
(2S+,4P-)	F0 2.1412454E+00	G1 7.2825367E-02

SAMARIUM 4F6 Z=62

TABLE 1.– CONTINUED

(2S+,4P+)	F0 2.0419415E+00	G1 6.5033868E-02				
(2S+,4D-)	F0 1.9571584E+00	G2 1.8968056E-01				
(2S+,4D+)	F0 1.9243763E+00	G2 1.8410377E-01				
(2S+,4F-)	F0 1.3557921E+00	G3 5.4340680E-03				
(2S+,5S+)	F0 8.9159608E-01	G0 1.2108134E-02				
(2S+,5P-)	F0 7.9426175E-01	G1 9.6023214E-03				
(2S+,5P+)	F0 7.4635835E-01	G1 8.2332183E-03				
(2S+,6S+)	F0 2.8334163E-01	G0 1.0012771E-03				
(2P-,2P-)	F0 1.1309147E+01					
(2P-,2P+)	F0 1.0835680E+01	G2 4.8929571E+00				
(2P-,3S+)	F0 4.6982643E+00	G1 4.4411260E-01				
(2P-,3P-)	F0 4.9624292E+00	G0 4.9334467E-01				
(2P-,3P+)	F0 4.7389405E+00	G2 4.6935158E-01				
(2P-,3D-)	F0 5.1442582E+00	G1 1.1853316E+00				
(2P-,3D+)	F0 5.0499201E+00	G3 6.3733187E-01				
(2P-,4S+)	F0 2.1874909E+00	G1 9.2473301E-02				
(2P-,4P-)	F0 2.1778951E+00	G0 9.3096259E-02				
(2P-,4P+)	F0 2.0754002E+00	G2 9.3399289E-02				
(2P-,4D-)	F0 1.9713872E+00	G1 1.9899171E-01				
(2P-,4D+)	F0 1.9371588E+00	G3 1.0921865E-01				
(2P-,4F-)	F0 1.3559637E+00	G2 4.2712270E-03				
(2P-,5S+)	F0 8.9615831E-01	G1 1.5019989E-02				
(2P-,5P-)	F0 7.9915460E-01	G0 1.2174172E-02				
(2P-,5P+)	F0 7.5065327E-01	G2 1.1868285E-02				
(2P-,6S+)	F0 2.8372027E-01	G1 1.2434589E-03				
(2P+,2P+)	F0 1.0428445E+01	F2 4.9565036E+00				
(2P+,3S+)	F0 4.6428483E+00	G1 4.3719791E-01				
(2P+,3P-)	F0 4.8913717E+00	G2 4.8284687E-01				
(2P+,3P+)	F0 4.6761418E+00	F2 1.1204347E+00	G0 4.4254152E-01	G2 4.7951313E-01		
(2P+,3D-)	F0 5.1140816E+00	F2 1.4826544E+00	G1 1.3078793E+00	G3 7.5160418E-01		
(2P+,3D+)	F0 5.0225783E+00	F2 1.4231755E+00	G1 1.2833293E+00	G3 7.3775802E-01		
(2P+,4S+)	F0 2.1747608E+00	G1 9.0152421E-02				
(2P+,4P-)	F0 2.1627363E+00	G2 9.6018719E-02				
(2P+,4P+)	F0 2.0621024E+00	F2 2.3755707E-01	G0 8.2306410E-02	G2 9.5113117E-02		
(2P+,4D-)	F0 1.9656376E+00	F2 2.4816158E-01	G1 2.1248693E-01	G3 1.2522004E-01		
(2P+,4D+)	F0 1.9319624E+00	F2 2.3768792E-01	G1 2.0970316E-01	G3 1.2349367E-01		
(2P+,4F-)	F0 1.3558759E+00	F2 5.5685920E-02	G2 5.4621832E-03	G4 3.5188265E-03		
(2P+,5S+)	F0 8.9404946E-01	G1 1.4616640E-02				
(2P+,5P-)	F0 7.9712797E-01	G2 1.2673525E-02				
(2P+,5P+)	F0 7.4894452E-01	F2 3.1034197E-02	G0 1.0337026E-02	G2 1.2079097E-02		
(2P+,6S+)	F0 2.8354522E-01	G1 1.2097766E-03				
(3S+,3S+)	F0 3.5244668E+00					
(3S+,3P-)	F0 3.5963110E+00	G1 2.3003706E+00				
(3S+,3P+)	F0 3.5087917E+00	G1 2.2951705E+00				
(3S+,3D-)	F0 3.6888163E+00	G2 1.4993044E+00				
(3S+,3D+)	F0 3.6626766E+00	G2 1.5119412E+00				
(3S+,4S+)	F0 1.9422280E+00	G0 1.3293311E-01				
(3S+,4P-)	F0 1.9128158E+00	G1 1.3993760E-01				
(3S+,4P+)	F0 1.8354457E+00	G1 1.4183188E-01				
(3S+,4D-)	F0 1.7533959E+00	G2 9.2639481E-02				
(3S+,4D+)	F0 1.7295693E+00	G2 8.9465292E-02				
(3S+,4F-)	F0 1.3352133E+00	G3 1.3404001E-01				
(3S+,5S+)	F0 8.5602623E-01	G0 1.8539645E-02				
(3S+,5P-)	F0 7.6409797E-01	G1 1.6493458E-02				
(3S+,5P+)	F0 7.2011212E-01	G1 1.6063474E-02				

TABLE 1.– CONTINUED

SAMARIUM 4F6 Z=62

(3S+,6S+)	F0	2.8039425E-01	G0	1.5059400E-03							
(3P-,3P-)	F0	3.6845621E+00									
(3P-,3P+)	F0	3.5870182E+00	G2	1.7714760E+00							
(3P-,3D-)	F0	3.7839431E+00	G1	2.0735670E+00							
(3P-,3D+)	F0	3.7548099E+00	G3	1.3405144E+00							
(3P-,4S+)	F0	1.9559831E+00	G1	1.7222442E-01							
(3P-,4P-)	F0	1.9284946E+00	G0	1.4233883E-01							
(3P-,4P+)	F0	1.8496302E+00	G2	1.5845343E-01							
(3P-,4D-)	F0	1.7655973E+00	G1	9.5702633E-02							
(3P-,4D+)	F0	1.7414288E+00	G3	9.8346007E-02							
(3P-,4F-)	F0	1.3371413E+00	G2	1.5662438E-01							
(3P-,5S+)	F0	8.5825249E-01	G1	2.4771502E-02							
(3P-,5P-)	F0	7.6614998E-01	G0	1.6415505E-02							
(3P-,5P+)	F0	7.2190121E-01	G2	1.8487900E-02							
(3P-,6S+)	F0	2.8057850E-01	G1	2.0196812E-03							
(3P+,3P+)	F0	3.4989450E+00	F2	1.7539775E+00							
(3P+,3D-)	F0	3.6744461E+00	F2	1.7507068E+00	G1	1.9118816E+00	G3	1.2530842E+00			
(3P+,3D+)	F0	3.6480271E+00	F2	1.7522536E+00	G1	1.9321781E+00	G3	1.2661800E+00			
(3P+,4S+)	F0	1.9401092E+00	G1	1.7187414E-01							
(3P+,4P-)	F0	1.9121784E+00	G2	1.6499378E-01							
(3P+,4P+)	F0	1.8348138E+00	F2	5.0780216E-01	G0	1.3222491E-01	G2	1.5667520E-01			
(3P+,4D-)	F0	1.7519974E+00	F2	4.5223645E-01	G1	9.8919700E-02	G3	1.0326295E-01			
(3P+,4D+)	F0	1.7281808E+00	F2	4.4051321E-01	G1	9.4931136E-02	G3	1.0026500E-01			
(3P+,4F-)	F0	1.3336603E+00	F2	3.1938657E-01	G2	1.7476261E-01	G4	1.1517635E-01			
(3P+,5S+)	F0	8.5569764E-01	G1	2.4399571E-02							
(3P+,5P-)	F0	7.6402425E-01	G2	1.9763923E-02							
(3P+,5P+)	F0	7.2004279E-01	F2	7.1406408E-02	G0	1.4676489E-02	G2	1.8210651E-02			
(3P+,6S+)	F0	2.8036720E-01	G1	1.9864644E-03							
(3D-,3D-)	F0	3.9649707E+00	F2	1.9973605E+00							
(3D-,3D+)	F0	3.9303541E+00	F2	1.9843533E+00	G2	1.9623727E+00	G4	1.2589415E+00			
(3D-,4S+)	F0	1.9732538E+00	G2	1.6294635E-01							
(3D-,4P-)	F0	1.9451934E+00	G1	1.6056974E-01							
(3D-,4P+)	F0	1.8649016E+00	F2	4.6474629E-01	G1	1.4727206E-01	G3	1.4498945E-01			
(3D-,4D-)	F0	1.7895053E+00	F2	4.3601938E-01	G0	1.3866238E-01	G2	1.6750242E-01			
(3D-,4D+)	F0	1.7648324E+00	F2	4.2551924E-01	G2	1.6248124E-01	G4	1.2558996E-01			
(3D-,4F-)	F0	1.3398821E+00	F2	2.6936859E-01	G1	1.8501792E-01	G3	1.0812332E-01			
(3D-,5S+)	F0	8.6103659E-01	G2	2.3696004E-02							
(3D-,5P-)	F0	7.6831870E-01	G1	1.8792576E-02							
(3D-,5P+)	F0	7.2381590E-01	F2	6.4462977E-02	G1	1.6793751E-02	G3	1.7122487E-02			
(3D-,6S+)	F0	2.8080878E-01	G2	1.9354830E-03							
(3D+,3D+)	F0	3.8968894E+00	F2	1.9726561E+00	F4	1.2658327E+00					
(3D+,4S+)	F0	1.9682165E+00	G2	1.6491901E-01							
(3D+,4P-)	F0	1.9399997E+00	G3	1.6013119E-01							
(3D+,4P+)	F0	1.8601737E+00	F2	4.7086661E-01	G1	1.4795149E-01	G3	1.4686483E-01			
(3D+,4D-)	F0	1.7847854E+00	F2	4.4051701E-01	G2	1.6477623E-01	G4	1.2841500E-01			
(3D+,4D+)	F0	1.7602782E+00	F2	4.2989678E-01	F4	2.0270154E-01	G0	1.3464988E-01	G2	1.6410968E-01	G4 1.2735279E-01
(3D+,4F-)	F0	1.3390024E+00	F2	2.7548137E-01	F4	1.2606339E-01	G1	1.9018685E-01	G3	1.1125922E-01	G5 7.6792204E-02
(3D+,5S+)	F0	8.6022143E-01	G2	2.3866556E-02							
(3D+,5P-)	F0	7.6763853E-01	G3	1.9411355E-02							
(3D+,5P+)	F0	7.2321958E-01	F2	6.5439397E-02	G1	1.6818307E-02	G3	1.7304498E-02			
(3D+,6S+)	F0	2.8074132E-01	G2	1.9484270E-03							
(4S+,4S+)	F0	1.5480927E+00									
(4S+,4P-)	F0	1.5300385E+00	G1	1.0391514E+00							
(4S+,4P+)	F0	1.4915071E+00	G1	1.0075770E+00							
(4S+,4D-)	F0	1.4406214E+00	G2	7.0973946E-01							

TABLE 1.– CONTINUED

SAMARIUM 4F6 Z=62

(4S+,4D+)	F0	1.4277473E+00	G2	7.0044343E-01				
(4S+,4F-)	F0	1.1621746E+00	G3	3.6245944E-01				
(4S+,5S+)	F0	7.9851485E-01	G0	4.0844468E-02				
(4S+,5P-)	F0	7.1850681E-01	G1	4.2385744E-02				
(4S+,5P+)	F0	6.8015056E-01	G1	4.3151733E-02				
(4S+,6S+)	F0	2.7567563E-01	G0	3.0220158E-03				
(4P-,4P-)	F0	1.5130286E+00						
(4P-,4P+)	F0	1.4756559E+00	G2	7.6408352E-01				
(4P-,4D-)	F0	1.4260797E+00	G1	9.2415009E-01				
(4P-,4D+)	F0	1.4135738E+00	G3	5.6800187E-01				
(4P-,4F-)	F0	1.1524928E+00	G2	4.4967118E-01				
(4P-,5S+)	F0	7.9629791E-01	G1	5.6002500E-02				
(4P-,5P-)	F0	7.1686297E-01	G0	3.4789091E-02				
(4P-,5P+)	F0	6.7867373E-01	G2	4.1299848E-02				
(4P-,6S+)	F0	2.7549636E-01	G1	4.1815370E-03				
(4P+,4P+)	F0	1.4416839E+00	F2	7.5414976E-01				
(4P+,4D-)	F0	1.3949630E+00	F2	7.1457931E-01	G1	9.0575663E-01	G3	5.6723119E-01
(4P+,4D+)	F0	1.3834292E+00	F2	7.0829103E-01	G1	8.9978153E-01	G3	5.6275194E-01
(4P+,4F-)	F0	1.1331076E+00	F2	5.2457340E-01	G2	4.4748270E-01	G4	3.0728151E-01
(4P+,5S+)	F0	7.9133964E-01	G1	5.8858908E-02				
(4P+,5P-)	F0	7.1298846E-01	G2	4.4985793E-02				
(4P+,5P+)	F0	6.7525318E-01	F2	1.6601713E-01	G0	3.1954372E-02	G2	4.0880829E-02
(4P+,6S+)	F0	2.7509415E-01	G1	4.3119923E-03				
(4D-,4D-)	F0	1.3536302E+00	F2	6.8604945E-01				
(4D-,4D+)	F0	1.3429847E+00	F2	6.8084902E-01	G2	6.7956799E-01	G4	4.5411991E-01
(4D-,4F-)	F0	1.1058521E+00	F2	5.1133279E-01	G1	6.0023588E-01	G3	3.7326351E-01
(4D-,5S+)	F0	7.6418987E-01	G2	8.0851254E-02				
(4D-,5P-)	F0	7.0759480E-01	G1	5.7646815E-02				
(4D-,5P+)	F0	6.7052111E-01	F2	1.7760570E-01	G1	4.7797095E-02	G3	4.6679982E-02
(4D-,6S+)	F0	2.7452402E-01	G2	5.5042488E-03				
(4D+,4D+)	F0	1.3326362E+00	F2	6.7099453E-01	F4	4.5170177E-01		
(4D+,4F-)	F0	1.0991517E+00	F2	5.0956422E-01	F4	3.2183236E-01	G1	5.9716154E-01 G3 3.7163796E-01 G5 2.6182041E-01
(4D+,5S+)	F0	7.8239938E-01	G2	8.4132100E-02				
(4D+,5P-)	F0	7.0622197E-01	G3	5.7073220E-02				
(4D+,5P+)	F0	6.6931936E-01	F2	1.8033141E-01	G1	4.9346255E-02	G3	4.7998966E-02
(4D+,6S+)	F0	2.7438067E-01	G2	5.6572337E-03				
(4F-,4F-)	F0	9.3953664E-01	F2	4.2700615E-01	F4	2.6441986E-01		
(4F-,5S+)	F0	7.1617195E-01	G3	1.4980743E-01				
(4F-,5P-)	F0	6.5470605E-01	G2	1.4558721E-01				
(4F-,5P+)	F0	6.2434144E-01	F2	2.2136432E-01	G2	1.2825735E-01	G4	9.5672184E-02
(4F-,6S+)	F0	2.6933572E-01	G3	1.0827686E-02				
(5S+,5S+)	F0	6.3724667E-01						
(5S+,5P-)	F0	5.9653321E-01	G1	4.0592607E-01				
(5S+,5P+)	F0	5.7515632E-01	G1	3.7561849E-01				
(5S+,6S+)	F0	2.6398084E-01	G0	9.3291441E-03				
(5P-,5P-)	F0	5.6344114E-01						
(5P-,5P+)	F0	5.4561685E-01	G2	2.8922194E-01				
(5P-,6S+)	F0	2.6130966E-01	G1	1.5887781E-02				
(5P+,5P+)	F0	5.3007308E-01	F2	2.8336269E-01				
(5P+,6S+)	F0	2.5984846E-01	G1	1.9300044E-02				
(6S+,6S+)	F0	2.6544828E-01						

TABLE 1.– CONTINUED

EUROPIUM 4F7 Z=63

(1S+,1S+)	F0	4.2388332E+01		
(1S+,2S+)	F0	1.3691407E+01	G0	1.5112318E+00
(1S+,2P-)	F0	1.5943821E+01	G1	2.7992414E+00
(1S+,2P+)	F0	1.4464095E+01	G1	2.5300374E+00
(1S+,3S+)	F0	5.4496482E+00	G0	2.8825857E-01
(1S+,3P-)	F0	5.8326289E+00	G1	5.2043690E-01
(1S+,3P+)	F0	5.4435414E+00	G1	4.9542518E-01
(1S+,3D-)	F0	5.3991436E+00	G2	2.1866551E-02
(1S+,3D+)	F0	5.2814093E+00	G2	2.2873227E-02
(1S+,4S+)	F0	2.3909331E+00	G0	6.7059947E-02
(1S+,4P-)	F0	2.3971700E+00	G1	1.1413113E-01
(1S+,4P+)	F0	2.2538628E+00	G1	1.0838784E-01
(1S+,4D-)	F0	2.0508070E+00	G2	4.7592825E-03
(1S+,4D+)	F0	2.0105792E+00	G2	4.9659520E-03
(1S+,4F-)	F0	1.4104748E+00	G3	7.7665409E-06
(1S+,4F+)	F0	1.3875480E+00	G3	8.4216714E-06
(1S+,5S+)	F0	9.4006406E-01	G0	1.1051672E-02
(1S+,5P-)	F0	8.3797627E-01	G1	1.5174220E-02
(1S+,5P+)	F0	7.8097143E-01	G1	1.3824719E-02
(1S+,6S+)	F0	2.8941460E-01	G0	8.9926708E-04
(2S+,2S+)	F0	9.5644044E+00		
(2S+,2P-)	F0	1.0315624E+01	G1	5.5129754E+00
(2S+,2P+)	F0	9.9701695E+00	G1	5.6456220E+00
(2S+,3S+)	F0	4.6770571E+00	G0	3.8748263E-01
(2S+,3P-)	F0	4.8970454E+00	G1	3.7824803E-01
(2S+,3P+)	F0	4.6760887E+00	G1	3.4243684E-01
(2S+,3D-)	F0	5.1828370E+00	G2	1.1949458E+00
(2S+,3D+)	F0	5.0909277E+00	G2	1.1544264E+00
(2S+,4S+)	F0	2.2105913E+00	G0	7.7436410E-02
(2S+,4P-)	F0	2.1941445E+00	G1	7.5058929E-02
(2S+,4P+)	F0	2.0886918E+00	G1	6.6759997E-02
(2S+,4D-)	F0	2.0075011E+00	G2	1.9557322E-01
(2S+,4D+)	F0	1.9726085E+00	G2	1.8963650E-01
(2S+,4F-)	F0	1.4100165E+00	G3	5.9300508E-03
(2S+,4F+)	F0	1.3871385E+00	G3	5.7030100E-03
(2S+,5S+)	F0	9.1031635E-01	G0	1.2388761E-02
(2S+,5P-)	F0	8.1103001E-01	G1	9.8028621E-03
(2S+,5P+)	F0	7.5996298E-01	G1	8.3470525E-03
(2S+,6S+)	F0	2.8699374E-01	G0	1.0041078E-03
(2P-,2P-)	F0	1.1547968E+01		
(2P-,2P+)	F0	1.1046400E+01	G2	4.9780502E+00
(2P-,3S+)	F0	4.8014802E+00	G1	4.5479097E-01
(2P-,3P-)	F0	5.0757279E+00	G0	5.0721462E-01
(2P-,3P+)	F0	4.8396182E+00	G2	4.8050104E-01
(2P-,3D-)	F0	5.2582556E+00	G1	1.2134398E+00
(2P-,3D+)	F0	5.1585904E+00	G3	6.5106296E-01
(2P-,4S+)	F0	2.2391352E+00	G1	9.5043556E-02
(2P-,4P-)	F0	2.2321654E+00	G0	9.6128743E-02
(2P-,4P+)	F0	2.1232764E+00	G2	9.5983167E-02
(2P-,4D-)	F0	2.0223014E+00	G1	2.0517994E-01
(2P-,4D+)	F0	1.9858529E+00	G3	1.1236749E-01
(2P-,4F-)	F0	1.4102055E+00	G2	4.6516233E-03
(2P-,4F+)	F0	1.3873083E+00	G4	2.8257857E-03
(2P-,5S+)	F0	9.1500845E-01	G1	1.5333995E-02
(2P-,5P-)	F0	8.1605815E-01	G0	1.2450653E-02

TABLE 1.– CONTINUED

EUROPIUM 4F7 Z=63

(2P-,5P+)	F0	7.6434809E-01	G2	1.2046309E-02				
(2P-,6S+)	F0	2.8737541E-01	G1	1.2441946E-03				
(2P+,2P+)	F0	1.0617342E+01	F2	5.0462685E+00				
(2P+,3S+)	F0	4.7424731E+00	G1	4.4751428E-01				
(2P+,3P-)	F0	4.9999739E+00	G2	4.9480354E-01				
(2P+,3P+)	F0	4.7729534E+00	F2	1.1466233E+00	G0	4.5318919E-01	G2	4.9116955E-01
(2P+,3D-)	F0	5.2261256E+00	F2	1.5212817E+00	G1	1.3432615E+00	G3	7.7202989E-01
(2P+,3D+)	F0	5.1295757E+00	F2	1.4583816E+00	G1	1.3175772E+00	G3	7.5754720E-01
(2P+,4S+)	F0	2.2255223E+00	G1	9.2577639E-02				
(2P+,4P-)	F0	2.2159214E+00	G2	9.8812807E-02				
(2P+,4P+)	F0	2.1090981E+00	F2	2.4417995E-01	G0	8.4556963E-02	G2	9.7787625E-02
(2P+,4D-)	F0	2.0161299E+00	F2	2.5644417E-01	G1	2.1948527E-01	G3	1.2940550E-01
(2P+,4D+)	F0	1.9802956E+00	F2	2.4524236E-01	G1	2.1654900E-01	G3	1.2758079E-01
(2P+,4F-)	F0	1.4101057E+00	F2	5.9696317E-02	G2	5.9966368E-03	G4	3.8636716E-03
(2P+,4F+)	F0	1.3872178E+00	F2	5.7366407E-02	G2	5.8251677E-03	G4	3.7528128E-03
(2P+,5S+)	F0	9.1276819E-01	G1	1.4908059E-02				
(2P+,5P-)	F0	8.1390684E-01	G2	1.2917614E-02				
(2P+,5P+)	F0	7.6254850E-01	F2	3.1531329E-02	G0	1.0488084E-02	G2	1.2265486E-02
(2P+,6S+)	F0	2.8719315E-01	G1	1.2093348E-03				
(3S+,3S+)	F0	3.6008149E+00						
(3S+,3P-)	F0	3.6757993E+00	G1	2.3484278E+00				
(3S+,3P+)	F0	3.5833394E+00	G1	2.3431334E+00				
(3S+,3D-)	F0	3.7699573E+00	G2	1.5300352E+00				
(3S+,3D+)	F0	3.7423661E+00	G2	1.5434783E+00				
(3S+,4S+)	F0	1.9871012E+00	G0	1.3633767E-01				
(3S+,4P-)	F0	1.9590713E+00	G1	1.4343051E-01				
(3S+,4P+)	F0	1.8770051E+00	G1	1.4536337E-01				
(3S+,4D-)	F0	1.7977402E+00	G2	9.5506484E-02				
(3S+,4D+)	F0	1.7724146E+00	G2	9.2052662E-02				
(3S+,4F-)	F0	1.3877934E+00	G3	1.4369495E-01				
(3S+,4F+)	F0	1.3662002E+00	G3	1.3853852E-01				
(3S+,5S+)	F0	8.7403798E-01	G0	1.8887867E-02				
(3S+,5P-)	F0	7.8027992E-01	G1	1.6743036E-02				
(3S+,5P+)	F0	7.3338427E-01	G1	1.6260401E-02				
(3S+,6S+)	F0	2.8404744E-01	G0	1.5040311E-03				
(3P-,3P-)	F0	3.7679735E+00						
(3P-,3P+)	F0	3.6647440E+00	G2	1.8076723E+00				
(3P-,3D-)	F0	3.8692090E+00	G1	2.1186814E+00				
(3P-,3D+)	F0	3.8384031E+00	G3	1.3701079E+00				
(3P-,4S+)	F0	2.0015105E+00	G1	1.7642211E-01				
(3P-,4P-)	F0	1.9755164E+00	G0	1.4628498E-01				
(3P-,4P+)	F0	1.8918273E+00	G2	1.6232411E-01				
(3P-,4D-)	F0	1.8105490E+00	G1	9.8388262E-02				
(3P-,4D+)	F0	1.7848500E+00	G3	1.0106314E-01				
(3P-,4F-)	F0	1.3899411E+00	G2	1.6758046E-01				
(3P-,4F+)	F0	1.3682289E+00	G4	1.0585096E-01				
(3P-,5S+)	F0	8.7635469E-01	G1	2.5208688E-02				
(3P-,5P-)	F0	7.8241192E-01	G0	1.6710703E-02				
(3P-,5P+)	F0	7.3523101E-01	G2	1.8708964E-02				
(3P-,6S+)	F0	2.8423536E-01	G1	2.0148089E-03				
(3P+,3P+)	F0	3.5718694E+00	F2	1.7898918E+00				
(3P+,3D-)	F0	3.7534625E+00	F2	1.7871153E+00	G1	1.9472043E+00	G3	1.2773932E+00
(3P+,3D+)	F0	3.7256187E+00	F2	1.7888742E+00	G1	1.9688603E+00	G3	1.2913927E+00
(3P+,4S+)	F0	1.9846620E+00	G1	1.7604774E-01				
(3P+,4P-)	F0	1.9581549E+00	G2	1.6935677E-01				

TABLE 1.– CONTINUED

EUROPIUM 4F7 Z=63

(3P+,4P+)	F0	1.8761220E+00	F2	5.2008098E-01	G0	1.3547251E-01	G2	1.6040836E-01			
(3P+,4D-)	F0	1.7960732E+00	F2	4.6576642E-01	G1	1.0211601E-01	G3	1.0647840E-01			
(3P+,4D+)	F0	1.7707643E+00	F2	4.5324682E-01	G1	9.7734907E-02	G3	1.0320870E-01			
(3P+,4F-)	F0	1.3860674E+00	F2	3.3843074E-01	G2	1.8748305E-01	G4	1.2361098E-01			
(3P+,4F+)	F0	1.3645459E+00	F2	3.2823464E-01	G2	1.8122010E-01	G4	1.1951568E-01			
(3P+,5S+)	F0	8.7366066E-01	G1	2.4816905E-02							
(3P+,5P-)	F0	7.8017118E-01	G2	2.0085067E-02							
(3P+,5P+)	F0	7.3328498E-01	F2	7.2408207E-02	G0	1.4853776E-02	G2	1.8415755E-02			
(3P+,6S+)	F0	2.8401698E-01	G1	1.9805467E-03							
(3D-,3D-)	F0	4.0543776E+00	F2	2.0433444E+00							
(3D-,3D+)	F0	4.0177961E+00	F2	2.0296114E+00	G2	2.0061774E+00	G4	1.2873513E+00			
(3D-,4S+)	F0	2.0191543E+00	G2	1.6665829E-01							
(3D-,4P-)	F0	1.9925876E+00	G1	1.6461871E-01							
(3D-,4P+)	F0	1.9073951E+00	F2	4.7538824E-01	G1	1.5051431E-01	G3	1.4820635E-01			
(3D-,4D-)	F0	1.8351540E+00	F2	4.4856565E-01	G0	1.4246167E-01	G2	1.7230295E-01			
(3D-,4D+)	F0	1.8089174E+00	F2	4.3737167E-01	G2	1.6691807E-01	G4	1.2908244E-01			
(3D-,4F-)	F0	1.3929262E+00	F2	2.8509579E-01	G1	1.9775443E-01	G3	1.1562130E-01			
(3D-,4F+)	F0	1.3710323E+00	F2	2.7615351E-01	G3	1.1064655E-01	G5	7.6384255E-02			
(3D-,5S+)	F0	8.7917974E-01	G2	2.4084239E-02							
(3D-,5P-)	F0	7.8460766E-01	G1	1.9084564E-02							
(3D-,5P+)	F0	7.3715894E-01	F2	6.5251161E-02	G1	1.6959853E-02	G3	1.7293367E-02			
(3D-,6S+)	F0	2.8446439E-01	G2	1.9284277E-03							
(3D+,3D+)	F0	3.9824744E+00	F2	2.0173124E+00	F4	1.2948103E+00					
(3D+,4S+)	F0	2.0138115E+00	G2	1.6872331E-01							
(3D+,4P-)	F0	1.9870647E+00	G3	1.6426118E-01							
(3D+,4P+)	F0	1.9023853E+00	F2	4.8184925E-01	G1	1.5121139E-01	G3	1.5017894E-01			
(3D+,4D-)	F0	1.8301288E+00	F2	4.5333424E-01	G2	1.6938486E-01	G4	1.3210718E-01			
(3D+,4D+)	F0	1.8040756E+00	F2	4.4200964E-01	F4	2.0859971E-01	G0	1.3816790E-01	G2	1.6866432E-01	G4 1.3096847E-01
(3D+,4F-)	F0	1.3919508E+00	F2	2.9174359E-01	F4	1.3437211E-01	G1	2.0338890E-01	G3	1.1904468E-01	G5 8.2183254E-02
(3D+,4F+)	F0	1.3701063E+00	F2	2.8264327E-01	F4	1.2940312E-01	G1	1.9712906E-01	G3	1.1538821E-01	G5 7.9660982E-02
(3D+,5S+)	F0	8.7832073E-01	G2	2.4261454E-02							
(3D+,5P-)	F0	7.8389112E-01	G3	1.9722232E-02							
(3D+,5P+)	F0	7.3653472E-01	F2	6.6273478E-02	G1	1.6984066E-02	G3	1.7482925E-02			
(3D+,6S+)	F0	2.8439471E-01	G2	1.9416190E-03							
(4S+,4S+)	F0	1.5840021E+00									
(4S+,4P-)	F0	1.5665023E+00	G1	1.0634378E+00							
(4S+,4P+)	F0	1.5256411E+00	G1	1.0301003E+00							
(4S+,4D-)	F0	1.4761087E+00	G2	7.2742896E-01							
(4S+,4D+)	F0	1.4624612E+00	G2	7.1770082E-01							
(4S+,4F-)	F0	1.2038324E+00	G3	3.7869717E-01							
(4S+,4F+)	F0	1.1889711E+00	G3	3.7126052E-01							
(4S+,5S+)	F0	8.1558687E-01	G0	4.1571699E-02							
(4S+,5P-)	F0	7.3396157E-01	G1	4.2944080E-02							
(4S+,5P+)	F0	6.9303939E-01	G1	4.3683891E-02							
(4S+,6S+)	F0	2.7934648E-01	G0	3.0186939E-03							
(4P-,4P-)	F0	1.5500197E+00									
(4P-,4P+)	F0	1.5102953E+00	G2	7.8120701E-01							
(4P-,4D-)	F0	1.4619545E+00	G1	9.4723480E-01							
(4P-,4D+)	F0	1.4486716E+00	G3	5.8200947E-01							
(4P-,4F-)	F0	1.1941260E+00	G2	4.6921025E-01							
(4P-,4F+)	F0	1.1795263E+00	G4	3.1504925E-01							
(4P-,5S+)	F0	8.1345644E-01	G1	5.6924114E-02							
(4P-,5P-)	F0	7.3238930E-01	G0	3.5362953E-02							
(4P-,5P+)	F0	6.9163295E-01	G2	4.1780105E-02							
(4P-,6S+)	F0	2.7917762E-01	G1	4.1721648E-03							

TABLE 1.– CONTINUED

EUROPIUM 4F7 Z=63

(4P+,4P+)	F0	1.4743102E+00	F2	7.7097324E-01						
(4P+,4D-)	F0	1.4287965E+00	F2	7.3179982E-01	G1	9.2708255E-01	G3	5.8079582E-01		
(4P+,4D+)	F0	1.4165843E+00	F2	7.2520969E-01	G1	9.2099359E-01	G3	5.7618788E-01		
(4P+,4F-)	F0	1.1729086E+00	F2	5.4579327E-01	G2	4.6598892E-01	G4	3.2035234E-01		
(4P+,4F+)	F0	1.1589252E+00	F2	5.3678895E-01	G2	4.5805192E-01	G4	3.1475041E-01		
(4P+,5S+)	F0	8.0822869E-01	G1	5.9939158E-02						
(4P+,5P-)	F0	7.2830655E-01	G2	4.5745527E-02						
(4P+,5P+)	F0	6.8805029E-01	F2	1.6844842E-01	G0	3.2338593E-02	G2	4.1334523E-02		
(4P+,6S+)	F0	2.7876186E-01	G1	4.3082229E-03						
(4D-,4D-)	F0	1.3884685E+00	F2	7.0350677E-01						
(4D-,4D+)	F0	1.3771380E+00	F2	6.9797231E-01	G2	6.9658667E-01	G4	4.6553387E-01		
(4D-,4F-)	F0	1.1456195E+00	F2	5.3173308E-01	G1	6.2401023E-01	G3	3.8862526E-01		
(4D-,4F+)	F0	1.1323180E+00	F2	5.2346248E-01	G3	3.8150912E-01	G5	2.6878304E-01		
(4D-,5S+)	F0	8.0129573E-01	G2	8.1780962E-02						
(4D-,5P-)	F0	7.2308223E-01	G1	5.8401770E-02						
(4D-,5P+)	F0	6.8349620E-01	F2	1.7972521E-01	G1	4.8078568E-02	G3	4.6973723E-02		
(4D-,6S+)	F0	2.7821998E-01	G2	5.4767516E-03						
(4D+,4D+)	F0	1.3661350E+00	F2	6.9292909E-01	F4	4.6298359E-01				
(4D+,4F-)	F0	1.1383084E+00	F2	5.2966555E-01	F4	3.3491150E-01	G1	6.2038250E-01	G3	3.8667926E-01	G5	2.7257429E-01
(4D+,4F+)	F0	1.1252062E+00	F2	5.2157880E-01	F4	3.2947311E-01	G1	6.1130206E-01	G3	3.8077274E-01	G5	2.6834701E-01
(4D+,5S+)	F0	7.9941018E-01	G2	8.5221252E-02						
(4D+,5P-)	F0	7.2163664E-01	G3	5.7908632E-02						
(4D+,5P+)	F0	6.8223869E-01	F2	1.8259989E-01	G1	4.9674366E-02	G3	4.8342150E-02		
(4D+,6S+)	F0	2.7807194E-01	G2	5.6352671E-03						
(4E-,4F-)	F0	9.8011919E-01	F2	4.4696006E-01	F4	2.7704978E-01				
(4F-,4F+)	F0	9.7027315E-01	F2	4.4162838E-01	F4	2.7360776E-01	G2	4.4076864E-01	G4	2.7310196E-01	G6	1.9554651E-01
(4F-,5S+)	F0	7.3581411E-01	G3	1.5352034E-01						
(4F-,5P-)	F0	6.7223627E-01	G2	1.4555190E-01						
(4F-,5P+)	F0	6.3942019E-01	F2	2.2346645E-01	G2	1.2718111E-01	G4	9.5192233E-02		
(4F-,6S+)	F0	2.7335083E-01	G3	1.0409389E-02						
(4F+,5S+)	F0	7.3116117E-01	G3	1.5212334E-01						
(4F+,5P-)	F0	6.6846386E-01	G4	1.0961764E-01						
(4F+,5P+)	F0	6.3607197E-01	F2	2.2448947E-01	G2	1.2980750E-01	G4	9.6771131E-02		
(4F+,6S+)	F0	2.7293795E-01	G3	1.0963172E-02						
(5S+,5S+)	F0	6.5069332E-01								
(5S+,5P-)	F0	6.0917807E-01	G1	4.1464087E-01						
(5S+,5P+)	F0	5.8636777E-01	G1	3.8238265E-01						
(5S+,6S+)	F0	2.6762491E-01	G0	9.3757135E-03						
(5P-,5P-)	F0	5.7540220E-01								
(5P-,5P+)	F0	5.5657663E-01	G2	2.9458138E-01						
(5P-,6S+)	F0	2.6495238E-01	G1	1.5967245E-02						
(5P+,5P+)	F0	5.3983928E-01	F2	2.8844328E-01						
(5P+,6S+)	F0	2.6342057E-01	G1	1.9578997E-02						
(6S+,6S+)	F0	2.0802404E-01								

GADOLINIUM 4F7 5D1 Z=64

(1S+,1S+)	F0	4.3198979E+01		
(1S+,2S+)	F0	1.3974630E+01	G0	1.5503005E+00
(1S+,2P-)	F0	1.6284971E+01	G1	2.8536864E+00
(1S+,2P+)	F0	1.4722141E+01	G1	2.5707239E+00
(1S+,3S+)	F0	5.5711493E+00	G0	2.9707394E-01

TABLE 1.– CONTINUED

GADOLINIUM 4F7 5D1 Z=64

(1S+,3P-)	F0	5.9684854E+00	G1	5.3331012E-01
(1S+,3P+)	F0	5.5569392E+00	G1	5.0707540E-01
(1S+,3D-)	F0	5.5160559E+00	G2	2.2396463E-02
(1S+,3D+)	F0	5.3917722E+00	G2	2.3478645E-02
(1S+,4S+)	F0	2.4503450E+00	G0	6.9555761E-02
(1S+,4P-)	F0	2.4610152E+00	G1	1.1790447E-01
(1S+,4P+)	F0	2.3092582E+00	G1	1.1186732E-01
(1S+,4D-)	F0	2.1095445E+00	G2	4.9545555E-03
(1S+,4D+)	F0	2.0670354E+00	G2	5.1821922E-03
(1S+,4F-)	F0	1.5267534E+00	G3	9.2115448E-06
(1S+,4F+)	F0	1.5074950E+00	G3	1.0091368E-05
(1S+,5S+)	F0	9.7550988E-01	G0	1.1831276E-02
(1S+,5P-)	F0	8.7717344E-01	G1	1.6459947E-02
(1S+,5P+)	F0	8.1724986E-01	G1	1.5042285E-02
(1S+,5D-)	F0	4.7122936E-01	G2	2.3162138E-04
(1S+,6S+)	F0	3.0948799E-01	G0	1.0432018E-03
(2S+,2S+)	F0	9.7551853E+00		
(2S+,2P-)	F0	1.0524922E+01	G1	5.6133536E+00
(2S+,2P+)	F0	1.0159447E+01	G1	5.7530421E+00
(2S+,3S+)	F0	4.7769103E+00	G0	3.9756251E-01
(2S+,3P-)	F0	5.0051198E+00	G1	3.8780755E-01
(2S+,3P+)	F0	4.7720049E+00	G1	3.5013979E-01
(2S+,3D-)	F0	5.2940253E+00	G2	1.2226764E+00
(2S+,3D+)	F0	5.1970902E+00	G2	1.1800834E+00
(2S+,4S+)	F0	2.2637197E+00	G0	7.9915630E-02
(2S+,4P-)	F0	2.2502325E+00	G1	7.7544413E-02
(2S+,4P+)	F0	2.1389263E+00	G1	6.8747249E-02
(2S+,4D-)	F0	2.0643907E+00	G2	2.0286117E-01
(2S+,4D+)	F0	2.0276093E+00	G2	1.9660299E-01
(2S+,4F-)	F0	1.5262118E+00	G3	6.9713612E-03
(2S+,4F+)	F0	1.5070096E+00	G3	6.7432557E-03
(2S+,5S+)	F0	9.4373493E-01	G0	1.3190563E-02
(2S+,5P-)	F0	8.4779822E-01	G1	1.0630333E-02
(2S+,5P+)	F0	7.9441150E-01	G1	9.0569412E-03
(2S+,5D-)	F0	4.6914164E-01	G2	9.1309238E-03
(2S+,6S+)	F0	3.0668590E-01	G0	1.1581904E-03
(2P-,2P-)	F0	1.1789001E+01		
(2P-,2P+)	F0	1.1257977E+01	G2	5.0628297E+00
(2P-,3S+)	F0	4.9051083E+00	G1	4.6547840E-01
(2P-,3P-)	F0	5.1894371E+00	G0	5.2120106E-01
(2P-,3P+)	F0	4.9401819E+00	G2	4.9159172E-01
(2P-,3D-)	F0	5.3717225E+00	G1	1.2407996E+00
(2P-,3D+)	F0	5.2665423E+00	G3	6.6428950E-01
(2P-,4S+)	F0	2.2933227E+00	G1	9.7859535E-02
(2P-,4P-)	F0	2.2897688E+00	G0	9.9506303E-02
(2P-,4P+)	F0	2.1747841E+00	G2	9.8945509E-02
(2P-,4D-)	F0	2.0798747E+00	G1	2.1282948E-01
(2P-,4D+)	F0	2.0414178E+00	G3	1.1635000E-01
(2P-,4F-)	F0	1.5264360E+00	G2	5.4578083E-03
(2P-,4F+)	F0	1.5072118E+00	G4	3.3325027E-03
(2P-,5S+)	F0	9.4875748E-01	G1	1.6290414E-02
(2P-,5P-)	F0	8.5328783E-01	G0	1.3525678E-02
(2P-,5P+)	F0	7.9920399E-01	G2	1.3086410E-02
(2P-,5D-)	F0	4.6985558E-01	G1	9.6241522E-03
(2P-,6S+)	F0	3.0712860E-01	G1	1.4320557E-03

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TABLE 1.– CONTINUED

(2P+,2P+)	F0	1.0806251E+01	F2	5.1359640E+00				
(2P+,3S+)	F0	4.8423348E+00	G1	4.5783580E-01				
(2P+,3P-)	F0	5.1087573E+00	G2	5.0674436E-01				
(2P+,3P+)	F0	4.8694903E+00	F2	1.1726858E+00	G0	4.6380803E-01	G2	5.0277563E-01
(2P+,3D-)	F0	5.3375640E+00	F2	1.5595737E+00	G1	1.3781730E+00	G3	7.9217733E-01
(2P+,3D+)	F0	5.2358008E+00	F2	1.4931404E+00	G1	1.3513251E+00	G3	7.7704205E-01
(2P+,4S+)	F0	2.2787455E+00	G1	9.5237083E-02				
(2P+,4P-)	F0	2.2723272E+00	G2	1.0192888E-01				
(2P+,4P+)	F0	2.1596266E+00	F2	2.5169446E-01	G0	8.7146226E-02	G2	1.0094950E-01
(2P+,4D-)	F0	2.0732132E+00	F2	2.6651652E-01	G1	2.2808564E-01	G3	1.3453809E-01
(2P+,4D+)	F0	2.0354384E+00	F2	2.5459365E-01	G1	2.2508191E-01	G3	1.3266409E-01
(2P+,4F-)	F0	1.5263139E+00	F2	6.8538473E-02	G2	7.0938137E-03	G4	4.5712725E-03
(2P+,4F+)	F0	1.5071007E+00	F2	6.6168709E-02	G2	6.9333906E-03	G4	4.4674264E-03
(2P+,5S+)	F0	9.4628139E-01	G1	1.5822416E-02				
(2P+,5P-)	F0	8.5086248E-01	G2	1.3985773E-02				
(2P+,5P+)	F0	7.9717600E-01	F2	3.4200981E-02	G0	1.1387440E-02	G2	1.3329932E-02
(2P+,5D-)	F0	4.6954923E-01	F2	1.2442557E-02	G1	1.0268329E-02	G3	6.0780492E-03
(2P+,6S+)	F0	3.0691031E-01	G1	1.3905335E-03				
(3S+,3S+)	F0	3.6773724E+00						
(3S+,3P-)	F0	3.7554836E+00	G1	2.3965524E+00				
(3S+,3P+)	F0	3.6578746E+00	G1	2.3911088E+00				
(3S+,3D-)	F0	3.8510139E+00	G2	1.5609873E+00				
(3S+,3D+)	F0	3.8219136E+00	G2	1.5752517E+00				
(3S+,4S+)	F0	2.0338260E+00	G0	1.4006636E-01				
(3S+,4P-)	F0	2.0077040E+00	G1	1.4736006E-01				
(3S+,4P+)	F0	1.9212100E+00	G1	1.4945245E-01				
(3S+,4D-)	F0	1.8470947E+00	G2	9.9046524E-02				
(3S+,4D+)	F0	1.8204894E+00	G2	9.5325354E-02				
(3S+,4F-)	F0	1.5003537E+00	G3	1.6575714E-01				
(3S+,4F+)	F0	1.4825284E+00	G3	1.6073407E-01				
(3S+,5S+)	F0	9.0522148E-01	G0	1.9992728E-02				
(3S+,5P-)	F0	8.1449260E-01	G1	1.8026941E-02				
(3S+,5P+)	F0	7.6559947E-01	G1	1.7585760E-02				
(3S+,5D-)	F0	4.5940446E-01	G2	4.3810025E-03				
(3S+,6S+)	F0	3.0329689E-01	G0	1.7228939E-03				
(3P-,3P-)	F0	3.8515727E+00						
(3P-,3P+)	F0	3.7424154E+00	G2	1.8436989E+00				
(3P-,3D-)	F0	3.9543452E+00	G1	2.1640604E+00				
(3P-,3D+)	F0	3.9218001E+00	G3	1.3997689E+00				
(3P-,4S+)	F0	2.0489273E+00	G1	1.8103606E-01				
(3P-,4P-)	F0	2.0249726E+00	G0	1.5068408E-01				
(3P-,4P+)	F0	1.9367270E+00	G2	1.6680155E-01				
(3P-,4D-)	F0	1.8606072E+00	G1	1.0176364E-01				
(3P-,4D+)	F0	1.8335987E+00	G3	1.0453946E-01				
(3P-,4F-)	F0	1.5029244E+00	G2	1.9295657E-01				
(3P-,4F+)	F0	1.4849692E+00	G4	1.2261216E-01				
(3P-,5S+)	F0	9.0772681E-01	G1	2.6662311E-02				
(3P-,5P-)	F0	8.1684246E-01	G0	1.8035975E-02				
(3P-,5P+)	F0	7.6763692E-01	G2	2.0235715E-02				
(3P-,5D-)	F0	4.6000196E-01	G1	4.3297472E-03				
(3P-,6S+)	F0	3.0351707E-01	G1	2.3067043E-03				
(3P+,3P+)	F0	3.6445655E+00	F2	1.8256832E+00				
(3P+,3D-)	F0	3.6321212E+00	F2	1.8233588E+00	G1	1.9824436E+00	G3	1.3016068E+00
(3P+,3D+)	F0	3.8028043E+00	F2	1.8253366E+00	G1	2.0055028E+00	G3	1.3165404E+00
(3P+,4S+)	F0	2.0310174E+00	G1	1.8063642E-01				

TABLE 1.– CONTINUED

GADOLINIUM 4F7 5D1 Z=64

(3P+,4P-)	F0	2.0064605E+00	G2	1.7424651E-01						
(3P+,4P+)	F0	1.9200331E+00	F2	5.3381676E-01	G0	1.3920399E-01	G2	1.6472826E-01		
(3P+,4D-)	F0	1.8451086E+00	F2	4.8181013E-01	G1	1.0604912E-01	G3	1.1045776E-01		
(3P+,4D+)	F0	1.8185273E+00	F2	4.6857878E-01	G1	1.0127252E-01	G3	1.0693115E-01		
(3P+,4F-)	F0	1.4982829E+00	F2	3.8282760E-01	G2	2.1638584E-01	G4	1.4274682E-01		
(3P+,4F+)	F0	1.4805333E+00	F2	3.7332287E-01	G2	2.1039208E-01	G4	1.3883459E-01		
(3P+,5S+)	F0	9.0477170E-01	G1	2.6230456E-02						
(3P+,5P-)	F0	8.1433462E-01	G2	2.1653081E-02						
(3P+,5P+)	F0	7.6545706E-01	F2	7.7884694E-02	G0	1.6053025E-02	G2	1.9902757E-02		
(3P+,5D-)	F0	4.5931530E-01	F2	2.5466242E-02	G1	4.5976750E-03	G3	4.8270488E-03		
(3P+,6S+)	F0	3.0325755E-01	G1	2.2656563E-03						
(3D-,3D-)	F0	4.1432319E+00	F2	2.0889925E+00						
(3D-,3D+)	F0	4.1046204E+00	F2	2.0745135E+00	G2	2.0495727E+00	G4	1.3154904E+00		
(3D-,4S+)	F0	2.0669338E+00	G2	1.7079323E-01						
(3D-,4P-)	F0	2.0424140E+00	G1	1.6918463E-01						
(3D-,4P+)	F0	1.9525995E+00	F2	4.8745056E-01	G1	1.5430573E-01	G3	1.5197756E-01		
(3D-,4D-)	F0	1.8860389E+00	F2	4.6368729E-01	G0	1.4723206E-01	G2	1.7831406E-01		
(3D-,4D+)	F0	1.8584678E+00	F2	4.5189329E-01	G2	1.7259246E-01	G4	1.3354313E-01		
(3D-,4F-)	F0	1.5064150E+00	F2	3.2235966E-01	G1	2.2751186E-01	G3	1.3311185E-01		
(3D-,4F+)	F0	1.4882635E+00	F2	3.1392810E-01	G3	1.2807082E-01	G5	8.8439678E-02		
(3D-,5S+)	F0	9.1070122E-01	G2	2.5449779E-02						
(3D-,5P-)	F0	8.1919635E-01	G1	2.0555593E-02						
(3D-,5P+)	F0	7.6970808E-01	F2	7.0140147E-02	G1	1.8300185E-02	G3	1.8673395E-02		
(3D-,5D-)	F0	4.6112566E-01	F2	2.3804877E-02	G0	5.9955653E-03	G2	7.5926893E-03		
(3D-,6S+)	F0	3.0377830E-01	G2	2.2061007E-03						
(3D+,3D+)	F0	4.0673842E+00	F2	2.0615955E+00	F4	1.3235413E+00				
(3D+,4S+)	F0	2.0612590E+00	G2	1.7295877E-01						
(3D+,4P-)	F0	2.0365294E+00	G3	1.6892153E-01						
(3D+,4P+)	F0	1.9472769E+00	F2	4.9427461E-01	G1	1.5502250E-01	G3	1.5405737E-01		
(3D+,4D-)	F0	1.8806579E+00	F2	4.6874834E-01	G2	1.7517281E-01	G4	1.3673291E-01		
(3D+,4D+)	F0	1.8532884E+00	F2	4.5681337E-01	F4	2.1598074E-01	G0	1.4267827E-01	G2	1.7447325E-01	G4	1.3557108E-01
(3D+,4F-)	F0	1.5052502E+00	F2	3.3004681E-01	F4	1.5382816E-01	G1	2.3409680E-01	G3	1.3712140E-01	G5	9.4691481E-02
(3D+,4F+)	F0	1.4871520E+00	F2	3.2147531E-01	F4	1.4896013E-01	G1	2.2825687E-01	G3	1.3371025E-01	G5	9.2338422E-02
(3D+,5S+)	F0	9.0975962E-01	G2	2.5640064E-02						
(3D+,5P-)	F0	8.1839490E-01	G3	2.1263628E-02						
(3D+,5P+)	F0	7.6900909E-01	F2	7.1265825E-02	G1	1.8324776E-02	G3	1.8883635E-02		
(3D+,5D-)	F0	4.6088579E-01	F2	2.4144143E-02	G2	7.4477715E-03	G4	5.9100898E-03		
(3D+,6S+)	F0	3.0369555E-01	G2	2.2213571E-03						
(4S+,4S+)	F0	1.6217001E+00								
(4S+,4P-)	F0	1.6050196E+00	G1	1.0891523E+00						
(4S+,4P+)	F0	1.5619644E+00	G1	1.0542366E+00						
(4S+,4D-)	F0	1.5151734E+00	G2	7.4753684E-01						
(4S+,4D+)	F0	1.5009024E+00	G2	7.3755682E-01						
(4S+,4F-)	F0	1.2907466E+00	G3	4.1977837E-01						
(4S+,4F+)	F0	1.2794600E+00	G3	4.1405459E-01						
(4S+,5S+)	F0	8.4355350E-01	G0	4.3703187E-02						
(4S+,5P-)	F0	7.6464259E-01	G1	4.5793691E-02						
(4S+,5P+)	F0	7.2212834E-01	G1	4.6826667E-02						
(4S+,5D-)	F0	4.4546563E-01	G2	1.5476500E-02						
(4S+,6S+)	F0	2.9792562E-01	G0	3.4191803E-03						
(4P-,4P-)	F0	1.5893230E+00								
(4P-,4P+)	F0	1.5473510E+00	G2	7.9970435E-01						
(4P-,4D-)	F0	1.5015937E+00	G1	9.7324107E-01						
(4P-,4D+)	F0	1.4876723E+00	G3	5.9823384E-01						
(4P-,4F-)	F0	1.2805275E+00	G2	5.1850500E-01						

TABLE 1.– CONTINUED

GADOLINIUM 4F7 5D1 Z=64

(4P-,4F+)	F0	1.2694566E+00	G4	3.5113526E-01						
(4P-,5S+)	F0	8.4146919E-01	G1	5.9748431E-02						
(4P-,5P-)	F0	7.6308279E-01	G0	3.7809715E-02						
(4P-,5P+)	F0	7.2072834E-01	G2	4.4835203E-02						
(4P-,5D-)	F0	4.4501423E-01	G1	1.7081110E-02						
(4P-,6S+)	F0	2.9774690E-01	G1	4.7228555E-03						
(4P+,4P+)	F0	1.5094507E+00	F2	7.8928835E-01						
(4P+,4D-)	F0	1.4663787E+00	F2	7.5129368E-01	G1	9.5097345E-01	G3	5.9629447E-01		
(4P+,4D+)	F0	1.4536202E+00	F2	7.4451758E-01	G1	9.4499447E-01	G3	5.9169593E-01		
(4P+,4F-)	F0	1.2558784E+00	F2	5.9697745E-01	G2	5.1267373E-01	G4	3.5349876E-01		
(4P+,4F+)	F0	1.2453849E+00	F2	5.9032227E-01	G2	5.0703264E-01	G4	3.4945053E-01		
(4P+,5S+)	F0	8.3578965E-01	G1	6.2925379E-02						
(4P+,5P-)	F0	7.5855882E-01	G2	4.8969616E-02						
(4P+,5P+)	F0	7.1675375E-01	F2	1.7898509E-01	G0	3.4631146E-02	G2	4.4311889E-02		
(4P+,5D-)	F0	4.4373114E-01	F2	6.3575053E-02	G1	1.4861116E-02	G3	1.2813407E-02		
(4P+,6S+)	F0	2.9725796E-01	G1	4.8720042E-03						
(4D-,4D-)	F0	1.4281684E+00	F2	7.2388157E-01						
(4D-,4D+)	F0	1.4162440E+00	F2	7.1807318E-01	G2	7.1656468E-01	G4	4.7918506E-01		
(4D-,4F-)	F0	1.2276828E+00	F2	5.8061630E-01	G1	6.8238315E-01	G3	4.2713603E-01		
(4D-,4F+)	F0	1.2177301E+00	F2	5.7460524E-01	G3	4.2174602E-01	G5	2.9772344E-01		
(4D-,5S+)	F0	8.2905218E-01	G2	8.4644773E-02						
(4D-,5P-)	F0	7.5338209E-01	G1	6.1645497E-02						
(4D-,5P+)	F0	7.1223445E-01	F2	1.8987171E-01	G1	5.0851252E-02	G3	4.9851338E-02		
(4D-,5D-)	F0	4.4244739E-01	F2	6.8662181E-02	G0	1.3582538E-02	G2	1.6010963E-02		
(4D-,6S+)	F0	2.9668827E-01	G2	6.1206667E-03						
(4D+,4D+)	F0	1.4046742E+00	F2	7.1279897E-01	F4	4.7655754E-01				
(4D+,4F-)	F0	1.2193001E+00	F2	5.7783771E-01	F4	3.6740034E-01	G1	6.7735751E-01	G3	4.2441639E-01	G5	2.9978993E-01
(4D+,4F+)	F0	1.2095293E+00	F2	5.7201758E-01	F4	3.6348691E-01	G1	6.7140005E-01	G3	4.2043347E-01	G5	2.9691218E-01
(4D+,5S+)	F0	8.2702895E-01	G2	8.8238091E-02						
(4D+,5P-)	F0	7.5179841E-01	G3	6.1376496E-02						
(4D+,5P+)	F0	7.1085477E-01	F2	1.9293333E-01	G1	5.2502443E-02	G3	5.1293211E-02		
(4D+,5D-)	F0	4.4201528E-01	F2	6.9951807E-02	G2	1.6024364E-02	G4	1.3214893E-02		
(4D+,6S+)	F0	2.9651623E-01	G2	6.2970078E-03						
(4F-,4F-)	F0	1.0842302E+00	F2	5.0619279E-01	F4	3.1584785E-01				
(4F-,4F+)	F0	1.0765912E+00	F2	5.0217172E-01	F4	3.1325139E-01	G2	5.0138632E-01	G4	3.1260651E-01	G6	2.2440156E-01
(4F-,5S+)	F0	7.7853293E-01	G3	1.4934012E-01						
(4F-,5P-)	F0	7.1392632E-01	G2	1.4149719E-01						
(4F-,5P+)	F0	6.7823865E-01	F2	2.3114003E-01	G2	1.2163165E-01	G4	9.3280186E-02		
(4F-,5D-)	F0	4.3230570E-01	F2	9.6405319E-02	G1	4.8547871E-02	G3	3.6957176E-02		
(4F-,6S+)	F0	2.9274015E-01	G3	9.4507121E-03						
(4F+,5S+)	F0	7.7563986E-01	G3	1.5148206E-01						
(4F+,5P-)	F0	7.1161710E-01	G4	1.0913966E-01						
(4F+,5P+)	F0	6.7622461E-01	F2	2.3269444E-01	G2	1.2433643E-01	G4	9.5009342E-02		
(4F+,5D-)	F0	4.3166635E-01	F2	9.7706288E-02	G3	3.8094228E-02	G5	2.8353644E-02		
(4F+,6S+)	F0	2.9250854E-01	G3	9.7096076E-03						
(5S+,5S+)	F0	6.7405665E-01								
(5S+,5P-)	F0	6.3395557E-01	G1	4.3283462E-01						
(5S+,5P+)	F0	6.1035398E-01	G1	3.9939366E-01						
(5S+,5D-)	F0	4.1354518E-01	G2	1.1644627E-01						
(5S+,6S+)	F0	2.8487559E-01	G0	1.0325218E-02						
(5P-,5P-)	F0	6.0094172E-01								
(5P-,5P+)	F0	5.8126338E-01	G2	3.0813469E-01						
(5P-,5D-)	F0	4.0423373E-01	G1	1.8368959E-01						
(5P-,6S+)	F0	2.8209501E-01	G1	1.7190753E-02						
(5P+,5P+)	F0	5.6379577E-01	F2	3.0194037E-01						

TABLE 1.– CONTINUED

GADOLINIUM 4F7 5D1 Z=64

(5P+,5D-)	F0	3.9839555E-01	F2	1.7498867E-01	G1	1.9915378E-01	G3 1.2081398E-01
(5P+,6S+)	F0	2.8039691E-01	G1	2.0960424E-02			
(5D-,6S+)	F0	2.5240198E-01	G2	8.3794013E-02			
(6S+,6S+)	F0	2.2203118E-01					

TERBIUM 4F9 Z=65

(1S+,1S+)	F0	4.4017631E+01		
(1S+,2S+)	F0	1.4261847E+01	G0	1.5903535E+00
(1S+,2P-)	F0	1.6631371E+01	G1	2.9086041E+00
(1S+,2P+)	F0	1.4981778E+01	G1	2.6114105E+00
(1S+,3S+)	F0	5.6946795E+00	G0	3.0616946E-01
(1S+,3P-)	F0	6.1069614E+00	G1	5.4645958E-01
(1S+,3P+)	F0	5.6717348E+00	G1	5.1892491E-01
(1S+,3D-)	F0	5.6348658E+00	G2	2.2940542E-02
(1S+,3D+)	F0	5.5036992E+00	G2	2.4103386E-02
(1S+,4S+)	F0	2.5042913E+00	G0	7.1731975E-02
(1S+,4P-)	F0	2.5175072E+00	G1	1.2089826E-01
(1S+,4P+)	F0	2.3556832E+00	G1	1.1440442E-01
(1S+,4D-)	F0	2.1534803E+00	G2	5.0720572E-03
(1S+,4D+)	F0	2.1079957E+00	G2	5.3126441E-03
(1S+,4F-)	F0	1.5124880E+00	G3	9.1834648E-06
(1S+,4F+)	F0	1.4862368E+00	G3	1.0023445E-05
(1S+,5S+)	F0	9.7869486E-01	G0	1.1663109E-02
(1S+,5P-)	F0	8.7245986E-01	G1	1.5770811E-02
(1S+,5P+)	F0	8.0793259E-01	G1	1.4232059E-02
(1S+,6S+)	F0	2.9679355E-01	G0	9.1318045E-04
(2S+,2S+)	F0	9.9483276E+00		
(2S+,2P-)	F0	1.0736960E+01	G1	5.7144774E+00
(2S+,2P+)	F0	1.0350527E+01	G1	5.8614865E+00
(2S+,3S+)	F0	4.8782083E+00	G0	4.0787344E-01
(2S+,3P-)	F0	5.1149599E+00	G1	3.9757694E-01
(2S+,3P+)	F0	4.8690557E+00	G1	3.5796446E-01
(2S+,3D-)	F0	5.4069427E+00	G2	1.2509964E+00
(2S+,3D+)	F0	5.3047290E+00	G2	1.2062379E+00
(2S+,4S+)	F0	2.3122792E+00	G0	8.2005758E-02
(2S+,4P-)	F0	2.3002652E+00	G1	7.9527390E-02
(2S+,4P+)	F0	2.1616330E+00	G1	7.0156512E-02
(2S+,4D-)	F0	2.1071743E+00	G2	2.0701347E-01
(2S+,4D+)	F0	2.0677783E+00	G2	2.0031416E-01
(2S+,4F-)	F0	1.5119498E+00	G3	6.8961892E-03
(2S+,4F+)	F0	1.4857598E+00	G3	6.6157744E-03
(2S+,5S+)	F0	9.4744413E-01	G0	1.2941461E-02
(2S+,5P-)	F0	8.4416869E-01	G1	1.0189042E-02
(2S+,5P+)	F0	7.8634155E-01	G1	8.5523574E-03
(2S+,6S+)	F0	2.9434640E-01	G0	1.0093586E-03
(2P-,2P-)	F0	1.2033488E+01		
(2P-,2P+)	F0	1.1471600E+01	G2	5.1478750E+00
(2P-,3S+)	F0	5.0102927E+00	G1	4.7634849E-01
(2P-,3P-)	F0	5.3050959E+00	G0	5.3556295E-01
(2P-,3P+)	F0	5.0419964E+00	G2	5.0285883E-01
(2P-,3D-)	F0	5.4869954E+00	G1	1.2687337E+00

TABLE 1.– CONTINUED

TERBIUM 4F9 Z=65

(2P-,3D+)	F0	5.3760189E+00	G3	6.7772911E-01				
(2P-,4S+)	F0	2.3428038E+00	G1	1.0017536E-01				
(2P-,4P-)	F0	2.3410789E+00	G0	1.6226189E-01				
(2P-,4P+)	F0	2.2184752E+00	G2	1.0107839E-01				
(2P-,4D-)	F0	2.1231082E+00	G1	2.1717974E-01				
(2P-,4D+)	F0	2.0819228E+00	G3	1.1838366E-01				
(2P-,4F-)	F0	1.5121736E+00	G2	5.3880802E-03				
(2P-,4F+)	F0	1.4859593E+00	G4	3.2605595E-03				
(2P-,5S+)	F0	9.5239484E-01	G1	1.5942753E-02				
(2P-,5P-)	F0	8.4946435E-01	G0	1.2991999E-02				
(2P-,5P+)	F0	7.9089740E-01	G2	1.2370147E-02				
(2P-,6S+)	F0	2.9473390E-01	G1	1.2447922E-03				
(2P+,2P+)	F0	1.0996341E+01	F2	5.2262461E+00				
(2P+,3S+)	F0	4.9435458E+00	G1	4.6832821E-01				
(2P+,3P-)	F0	5.2192088E+00	G2	5.1893589E-01				
(2P+,3P+)	F0	4.9670799E+00	F2	1.1991570E+00	G0	4.7459094E-01	G2	5.1457338E-01
(2P+,3D-)	F0	5.4506952E+00	F2	1.5987897E+00	G1	1.4140058E+00	G3	8.1236483E-01
(2P+,3D+)	F0	5.3434636E+00	F2	1.5286444E+00	G1	1.3859524E+00	G3	7.9705343E-01
(2P+,4S+)	F0	2.3272913E+00	G1	9.7404937E-02				
(2P+,4P-)	F0	2.3224966E+00	G2	1.0437372E-01				
(2P+,4P+)	F0	2.2024254E+00	F2	2.5726561E-01	G0	8.9007884E-02	G2	1.0306839E-01
(2P+,4D-)	F0	2.1160390E+00	F2	2.7277168E-01	G1	2.3318920E-01	G3	1.3760689E-01
(2P+,4D+)	F0	2.0756050E+00	F2	2.6002196E-01	G1	2.2992941E-01	G3	1.3557325E-01
(2P+,4F-)	F0	1.5120479E+00	F2	6.7423216E-02	G2	7.0627750E-03	G4	4.5517564E-03
(2P+,4F+)	F0	1.4858462E+00	F2	6.4603205E-02	G2	6.8489176E-03	G4	4.4134471E-03
(2P+,5S+)	F0	9.4987600E-01	G1	1.5470135E-02				
(2P+,5P-)	F0	8.4704969E-01	G2	1.3383275E-02				
(2P+,5P+)	F0	7.8891064E-01	F2	3.2444343E-02	G0	1.0763494E-02	G2	1.2605755E-02
(2P+,6S+)	F0	2.9453671E-01	G1	1.2075727E-03				
(3S+,3S+)	F0	3.7549640E+00						
(3S+,3P-)	F0	3.8363262E+00	G1	2.4491666E+00				
(3S+,3P+)	F0	3.7332939E+00	G1	2.4395462E+00				
(3S+,3D-)	F0	3.9332192E+00	G2	1.5921733E+00				
(3S+,3D+)	F0	3.9025286E+00	G2	1.6072967E+00				
(3S+,4S+)	F0	2.0771598E+00	G0	1.4316979E-01				
(3S+,4P-)	F0	2.0518626E+00	G1	1.5039707E-01				
(3S+,4P+)	F0	1.9597329E+00	G1	1.5241492E-01				
(3S+,4D-)	F0	1.8856935E+00	G2	1.0110623E-01				
(3S+,4D+)	F0	1.8571644E+00	G2	9.7069438E-02				
(3S+,4F-)	F0	1.4865794E+00	G3	1.6193348E-01				
(3S+,4F+)	F0	1.4619588E+00	G3	1.5576375E-01				
(3S+,5S+)	F0	9.0978441E-01	G0	1.9569774E-02				
(3S+,5P-)	F0	8.1228534E-01	G1	1.7221374E-02				
(3S+,5P+)	F0	7.5916525E-01	G1	1.6627105E-02				
(3S+,6S+)	F0	2.9140323E-01	G0	1.5002219E-03				
(3P-,3P-)	F0	3.9364947E+00						
(3P-,3P+)	F0	3.8210809E+00	G2	1.8799523E+00				
(3P-,3D-)	F0	4.0407959E+00	G1	2.2099724E+00				
(3P-,3D+)	F0	4.0064141E+00	G3	1.4297538E+00				
(3P-,4S+)	F0	2.0928963E+00	G1	1.8480376E-01				
(3P-,4P-)	F0	2.0698665E+00	G0	1.5421128E-01				
(3P-,4P+)	F0	1.9758330E+00	G2	1.6997295E-01				
(3P-,4D-)	F0	1.8997230E+00	G1	1.0365379E-01				
(3P-,4D+)	F0	1.8707514E+00	G3	1.0634938E-01				
(3P-,4F-)	F0	1.4891721E+00	G2	1.8817494E-01				

TABLE 1.– CONTINUED

TERBIUM 4F9 Z=65

(3P-,4F+)	F0	1.4643990E+00	G4	1.1859822E-01						
(3P-,5S+)	F0	9.1228063E-01	G1	2.6057603E-02						
(3P-,5P-)	F0	8.1457534E-01	G0	1.7284358E-02						
(3P-,5P+)	F0	7.6112187E-01	G2	1.9111117E-02						
(3P-,6S+)	F0	2.9159808E-01	G1	2.0048546E-03						
(3P+,3P+)	F0	3.7180097E+00	F2	1.8617385E+00						
(3P+,3D-)	F0	3.9117508E+00	F2	1.8598829E+00	G1	2.0176976E+00	G3	1.3258648E+00		
(3P+,3D+)	F0	3.8808864E+00	F2	1.8620917E+00	G1	2.0422339E+00	G3	1.3417816E+00		
(3P+,4S+)	F0	2.0739664E+00	G1	1.8439806E-01						
(3P+,4P-)	F0	2.0502693E+00	G2	1.7808928E-01						
(3P+,4P+)	F0	1.9582466E+00	F2	5.4431039E-01	G0	1.4189508E-01	G2	1.6775910E-01		
(3P+,4D-)	F0	1.8833937E+00	F2	4.9239354E-01	G1	1.0846342E-01	G3	1.1281377E-01		
(3P+,4D+)	F0	1.8548989E+00	F2	4.7817402E-01	G1	1.0323793E-01	G3	1.0895982E-01		
(3P+,4F-)	F0	1.4844743E+00	F2	3.7421403E-01	G2	2.1171119E-01	G4	1.3968808E-01		
(3P+,4F+)	F0	1.4599482E+00	F2	3.6223522E-01	G2	2.0422020E-01	G4	1.3478702E-01		
(3P+,5S+)	F0	9.0929380E-01	G1	2.5626516E-02						
(3P+,5P-)	F0	8.1209348E-01	G2	2.0702110E-02						
(3P+,5P+)	F0	7.5899614E-01	F2	7.4244327E-02	G0	1.5177659E-02	G2	1.8784580E-02		
(3P+,6S+)	F0	2.9136508E-01	G1	1.9686212E-03						
(3D-,3D-)	F0	4.2334643E+00	F2	2.1353067E+00						
(3D-,3D+)	F0	4.1927121E+00	F2	2.1200291E+00	G2	2.0935017E+00	G4	1.3439707E+00		
(3D-,4S+)	F0	2.1111630E+00	G2	1.7411077E-01						
(3D-,4P-)	F0	2.0875521E+00	G1	1.7273174E-01						
(3D-,4P+)	F0	1.9918679E+00	F2	4.9636342E-01	G1	1.5689359E-01	G3	1.5452344E-01		
(3D-,4D-)	F0	1.9255906E+00	F2	4.7321007E-01	G0	1.4992507E-01	G2	1.8171139E-01		
(3D-,4D+)	F0	1.8960136E+00	F2	4.6053533E-01	G2	1.7555039E-01	G4	1.3587225E-01		
(3D-,4F-)	F0	1.4926072E+00	F2	3.1456322E-01	G1	2.2184257E-01	G3	1.2981130E-01		
(3D-,4F+)	F0	1.4676111E+00	F2	3.0404365E-01	G3	1.2384411E-01	G5	8.5526719E-02		
(3D-,5S+)	F0	9.1516541E-01	G2	2.4840067E-02						
(3D-,5P-)	F0	8.1680617E-01	G1	1.9646507E-02						
(3D-,5P+)	F0	7.6305853E-01	F2	6.6680346E-02	G1	1.7255736E-02	G3	1.7595891E-02		
(3D-,6S+)	F0	2.9182313E-01	G2	1.9146355E-03						
(3D+,3D+)	F0	4.1534606E+00	F2	2.1064626E+00	F4	1.3526463E+00				
(3D+,4S+)	F0	2.1051696E+00	G2	1.7637537E-01						
(3D+,4P-)	F0	2.0813270E+00	G3	1.7253726E-01						
(3D+,4P+)	F0	1.9862632E+00	F2	5.0354353E-01	G1	1.5762873E-01	G3	1.5670146E-01		
(3D+,4D-)	F0	1.9199207E+00	F2	4.7855188E-01	G2	1.7838890E-01	G4	1.3932487E-01		
(3D+,4D+)	F0	1.8905673E+00	F2	4.6572306E-01	F4	2.2011969E-01	G0	1.4503206E-01	G2	1.7754638E-01	G4	1.3801881E-01
(3D+,4F-)	F0	1.4914318E+00	F2	3.2231026E-01	F4	1.5008668E-01	G1	2.2842437E-01	G3	1.3382102E-01	G5	9.2418715E-02
(3D+,4F+)	F0	1.4664995E+00	F2	3.1159699E-01	F4	1.4417217E-01	G1	2.2099015E-01	G3	1.2947419E-01	G5	8.9418995E-02
(3D+,5S+)	F0	9.1421445E-01	G2	2.5031535E-02						
(3D+,5P-)	F0	8.1601364E-01	G3	2.0320125E-02						
(3D+,5P+)	F0	7.6237724E-01	F2	6.7797045E-02	G1	1.7279412E-02	G3	1.7800984E-02		
(3D+,6S+)	F0	2.9174889E-01	G2	1.9283701E-03						
(4S+,4S+)	F0	1.6559861E+00								
(4S+,4P-)	F0	1.6395755E+00	G1	1.1120399E+00						
(4S+,4P+)	F0	1.5937150E+00	G1	1.0748529E+00						
(4S+,4D-)	F0	1.5466799E+00	G2	7.6240436E-01						
(4S+,4D+)	F0	1.5313716E+00	G2	7.5172399E-01						
(4S+,4F-)	F0	1.2821697E+00	G3	4.0831904E-01						
(4S+,4F+)	F0	1.2655108E+00	G3	4.0003352E-01						
(4S+,5S+)	F0	8.4949088E-01	G0	4.3000947E-02						
(4S+,5P-)	F0	7.6455557E-01	G1	4.4030754E-02						
(4S+,5P+)	F0	7.1813418E-01	G1	4.4709663E-02						
(4S+,6S+)	F0	2.8673574E-01	G0	3.0126377E-03						

TABLE 1.– CONTINUED

TERBIUM 4F9 Z=65

(4P-,4P-)	F0	1.6241421E+00								
(4P-,4P+)	F0	1.5793651E+00	G2	8.1515213E-01						
(4P-,4D-)	F0	1.5333191E+00	G1	9.9301456E-01						
(4P-,4D+)	F0	1.5183653E+00	G3	6.0963948E-01						
(4P-,4F-)	F0	1.2725596E+00	G2	5.0493845E-01						
(4P-,4F+)	F0	1.2561711E+00	G4	3.3930854E-01						
(4P-,5S+)	F0	8.4752883E-01	G1	5.8735765E-02						
(4P-,5P-)	F0	7.6312284E-01	G0	3.6481834E-02						
(4P-,5P+)	F0	7.1686354E-01	G2	4.2677838E-02						
(4P-,6S+)	F0	2.8658608E-01	G1	4.1547299E-03						
(4P+,4P+)	F0	1.5390935E+00	F2	8.0436028E-01						
(4P+,4D-)	F0	1.4958105E+00	F2	7.6584057E-01	G1	9.6917358E-01	G3	6.0754323E-01		
(4P+,4D+)	F0	1.4821506E+00	F2	7.5860639E-01	G1	9.6283982E-01	G3	6.0266072E-01		
(4P+,4F-)	F0	1.2475382E+00	F2	5.8475836E-01	G2	4.9955647E-01	G4	3.4409502E-01		
(4P+,4F+)	F0	1.2319189E+00	F2	5.7477984E-01	G2	4.9387876E-01	G4	3.3793794E-01		
(4P+,5S+)	F0	8.4173059E-01	G1	6.2103855E-02						
(4P+,5P-)	F0	7.5860086E-01	G2	4.7245654E-02						
(4P+,5P+)	F0	7.1294535E-01	F2	1.7302121E-01	G0	3.3055102E-02	G2	4.2174504E-02		
(4P+,6S+)	F0	2.8614210E-01	G1	4.3034925E-03						
(4D-,4D-)	F0	1.4573922E+00	F2	7.3800747E-01						
(4D-,4D+)	F0	1.4445985E+00	F2	7.3175777E-01	G2	7.3014776E-01	G4	4.8801709E-01		
(4D-,4F-)	F0	1.2204689E+00	F2	5.6942561E-01	G1	6.6757054E-01	G3	4.1677272E-01		
(4D-,4F+)	F0	1.2055543E+00	F2	5.6022757E-01	G3	4.0885959E-01	G5	2.8830649E-01		
(4D-,5S+)	F0	8.3519292E-01	G2	8.3750002E-02						
(4D-,5P-)	F0	7.5368731E-01	G1	5.9968583E-02						
(4D-,5P+)	F0	7.0872001E-01	F2	1.8371950E-01	G1	4.8624394E-02	G3	4.7528162E-02		
(4D-,6S+)	F0	2.8565041E-01	G2	5.4317633E-03						
(4D+,4D+)	F0	1.4322015E+00	F2	7.2610139E-01	F4	4.8518738E-01				
(4D+,4F-)	F0	1.2118896E+00	F2	5.6674158E-01	F4	3.5891620E-01	G1	6.6280246E-01	G3	4.1416165E-01	G5	2.9222366E-01
(4D+,4F+)	F0	1.1972226E+00	F2	5.5777741E-01	F4	3.5289902E-01	G1	6.5294959E-01	G3	4.0770430E-01	G5	2.8758958E-01
(4D+,5S+)	F0	8.3310514E-01	G2	8.7537809E-02						
(4D+,5P-)	F0	7.5208758E-01	G3	5.9625566E-02						
(4D+,5P+)	F0	7.0734665E-01	F2	1.8690771E-01	G1	5.0320537E-02	G3	4.9001301E-02		
(4D+,6S+)	F0	2.8549251E-01	G2	5.6022110E-03						
(4F-,4F-)	F0	1.0552051E+00	F2	4.8343032E-01	F4	3.0007545E-01				
(4F-,4F+)	F0	1.0439312E+00	F2	4.7729957E-01	F4	2.9611051E-01	G2	4.7623983E-01	G4	2.9548617E-01	G6	2.1168659E-01
(4F-,5S+)	F0	7.7300786E-01	G3	1.5218184E-01						
(4F-,5P-)	F0	7.0548647E-01	G2	1.4609753E-01						
(4F-,5P+)	F0	6.6754052E-01	F2	2.2736886E-01	G2	1.2562540E-01	G4	9.4517807E-02		
(4F-,6S+)	F0	2.8122294E-01	G3	9.8551462E-03						
(4F+,4F+)	F0	1.0328888E+00	F2	4.7137278E-01	F4	2.9228750E-01	F6	2.0934827E-01		
(4F+,5S+)	F0	7.6800727E-01	G3	1.5421128E-01						
(4F+,5P-)	F0	7.0144935E-01	G4	1.1081913E-01						
(4F+,5P+)	F0	6.6400637E-01	F2	2.2874161E-01	G2	1.2872584E-01	G4	9.6406136E-02		
(4F+,6S+)	F0	2.8080738E-01	G3	1.0415067E-02						
(5S+,5S+)	F0	6.7736191E-01								
(5S+,5P-)	F0	6.3420148E-01	G1	4.3185355E-01						
(5S+,5P+)	F0	6.0830540E-01	G1	3.9537977E-01						
(5S+,6S+)	F0	2.7495771E-01	G0	9.4719553E-03						
(5P-,5P-)	F0	5.9903178E-01								
(5P-,5P+)	F0	5.7761986E-01	G2	3.0495982E-01						
(5P-,6S+)	F0	2.7227791E-01	G1	1.6142369E-02						
(5P+,5P+)	F0	5.5877043E-01	F2	2.9825554E-01						
(5P+,6S+)	F0	2.7059565E-01	G1	2.0198017E-02						
(6S+,6S+)	F0	2.2336462E-01								

TABLE 1.– CONTINUED

DYSPROSIUM 4F10 Z=66

(1S+,1S+)	F0	4.4843950E+01		
(1S+,2S+)	F0	1.4551974E+01	G0	1.6311586E+00
(1S+,2P-)	F0	1.6981839E+01	G1	2.9635422E+00
(1S+,2P+)	F0	1.5241694E+01	G1	2.6515901E+00
(1S+,3S+)	F0	5.8188432E+00	G0	3.1538981E-01
(1S+,3P-)	F0	6.2461459E+00	G1	5.5949297E-01
(1S+,3P+)	F0	5.7862602E+00	G1	5.3063502E-01
(1S+,3D-)	F0	5.7530737E+00	G2	2.3459080E-02
(1S+,3D+)	F0	5.6147995E+00	G2	2.4705565E-02
(1S+,4S+)	F0	2.5613252E+00	G0	7.4120690E-02
(1S+,4P-)	F0	2.5780795E+00	G1	1.2426502E-01
(1S+,4P+)	F0	2.4063431E+00	G1	1.1736900E-01
(1S+,4D-)	F0	2.2044330E+00	G2	5.2222851E-03
(1S+,4D+)	F0	2.1561516E+00	G2	5.4809340E-03
(1S+,4F-)	F0	1.5612300E+00	G3	9.8855734E-06
(1S+,4F+)	F0	1.5330254E+00	G3	1.0824242E-05
(1S+,5S+)	F0	9.9796888E-01	G0	1.1971606E-02
(1S+,5P-)	F0	8.8963369E-01	G1	1.6059732E-02
(1S+,5P+)	F0	8.2109121E-01	G1	1.4420439E-02
(1S+,6S+)	F0	3.0055657E-01	G0	9.1994516E-04
(2S+,2S+)	F0	1.0143003E+01		
(2S+,2P-)	F0	1.0950830E+01	G1	5.8159731E+00
(2S+,2P+)	F0	1.0542450E+01	G1	5.9705307E+00
(2S+,3S+)	F0	4.9799209E+00	G0	4.1827515E-01
(2S+,3P-)	F0	5.2252072E+00	G1	4.0735450E-01
(2S+,3P+)	F0	4.9659977E+00	G1	3.6576484E-01
(2S+,3D-)	F0	5.5193832E+00	G2	1.2786031E+00
(2S+,3D+)	F0	5.4117092E+00	G2	1.2316259E+00
(2S+,4S+)	F0	2.3633839E+00	G0	8.4319874E-02
(2S+,4P-)	F0	2.3535951E+00	G1	8.1770072E-02
(2S+,4P+)	F0	2.2279147E+00	G1	7.1834242E-02
(2S+,4D-)	F0	2.1566507E+00	G2	2.1258784E-01
(2S+,4D+)	F0	2.1148553E+00	G2	2.0548470E-01
(2S+,4F-)	F0	1.5606522E+00	G3	7.3683142E-03
(2S+,4F+)	F0	1.5325156E+00	G3	7.0581776E-03
(2S+,5S+)	F0	9.6596532E-01	G0	1.3217499E-02
(2S+,5P-)	F0	8.6066938E-01	G1	1.0378627E-02
(2S+,5P+)	F0	7.9923077E-01	G1	8.6472837E-03
(2S+,6S+)	F0	2.9809695E-01	G0	1.0117974E-03
(2P-,2P-)	F0	1.2280360E+01		
(2P-,2P+)	F0	1.1686132E+01	G2	5.2325816E+00
(2P-,3S+)	F0	5.1159412E+00	G1	4.8723256E-01
(2P-,3P-)	F0	5.4212313E+00	G0	5.5005851E-01
(2P-,3P+)	F0	5.1437191E+00	G2	5.1407004E-01
(2P-,3D-)	F0	5.6017601E+00	G1	1.2958952E+00
(2P-,3D+)	F0	5.4847883E+00	G3	6.9064868E-01
(2P-,4S+)	F0	2.3949198E+00	G1	1.0274509E-01
(2P-,4P-)	F0	2.3958355E+00	G0	1.0537456E-01
(2P-,4P+)	F0	2.2658923E+00	G2	1.0359913E-01
(2P-,4D-)	F0	2.1731487E+00	G1	2.2301830E-01
(2P-,4D+)	F0	2.1294396E+00	G3	1.2126526E-01
(2P-,4F-)	F0	1.5608934E+00	G2	5.7457734E-03
(2P-,4F+)	F0	1.5327298E+00	G4	3.4692915E-03
(2P-,5S+)	F0	9.7104632E-01	G1	1.6242309E-02
(2P-,5P-)	F0	8.6609937E-01	G0	1.3261988E-02

TABLE 1.– CONTINUED

DYSPROSIUM 4F10 Z=66

(2P-,5P+)	F0	8.0386890E-01	G2	1.2520811E-02			
(2P-,6S+)	F0	2.9848727E-01	G1	1.2446823E-03			
(2P+,2P+)	F0	1.1186449E+01	F2	5.3164553E+00			
(2P+,3S+)	F0	5.0450290E+00	G1	4.7883226E-01			
(2P+,3P-)	F0	5.3298852E+00	G2	5.3112114E-01			
(2P+,3P+)	F0	5.0644059E+00	F2	1.2255049E+00	G0	4.8534798E-01	G2 5.2632275E-01
(2P+,3D-)	F0	5.5632381E+00	F2	1.6376733E+00	G1	1.4493615E+00	G3 8.3326977E-01
(2P+,3D+)	F0	5.4503629E+00	F2	1.5636935E+00	G1	1.4200722E+00	G3 8.1676560E-01
(2P+,4S+)	F0	2.3783856E+00	G1	9.9815001E-02			
(2P+,4P-)	F0	2.3759938E+00	G2	1.0715099E-01			
(2P+,4P+)	F0	2.2488481E+00	F2	2.6374948E-01	G0	9.1212543E-02	G2 1.0568394E-01
(2P+,4D-)	F0	2.1656018E+00	F2	2.8085130E-01	G1	2.3992560E-01	G3 1.4164069E-01
(2P+,4D+)	F0	2.1227212E+00	F2	2.6727941E-01	G1	2.3649410E-01	G3 1.3949604E-01
(2P+,4F-)	F0	1.5607537E+00	F2	7.1186106E-02	G2	7.5970052E-03	G4 4.8966251E-03
(2P+,4F+)	F0	1.5326045E+00	F2	6.8092445E-02	G2	7.3587657E-03	G4 4.7425273E-03
(2P+,5S+)	F0	9.6837928E-01	G1	1.5745483E-02			
(2P+,5P-)	F0	8.6354490E-01	G2	1.3610125E-02			
(2P+,5P+)	F0	8.0178517E-01	F2	3.2872177E-02	G0	1.0892023E-02	G2 1.2764525E-02
(2P+,6S+)	F0	2.9828236E-01	G1	1.2362824E-03			
(3S+,3S+)	F0	3.8327970E+00					
(3S+,3P-)	F0	3.9174014E+00	G1	2.4938668E+00			
(3S+,3P+)	F0	3.8687194E+00	G1	2.4880031E+00			
(3S+,3D-)	F0	4.0153671E+00	G2	1.6236067E+00			
(3S+,3D+)	F0	3.9830245E+00	G2	1.6396033E+00			
(3S+,4S+)	F0	2.1224127E+00	G0	1.4660793E-01			
(3S+,4P-)	F0	2.0984803E+00	G1	1.5388349E-01			
(3S+,4P+)	F0	2.0009711E+00	G1	1.5595009E-01			
(3S+,4D-)	F0	1.9294162E+00	G2	1.0384795E-01			
(3S+,4D+)	F0	1.8991782E+00	G2	9.9508704E-02			
(3S+,4F-)	F0	1.5337644E+00	G3	1.7063368E-01			
(3S+,4F+)	F0	1.5073526E+00	G3	1.6390172E-01			
(3S+,5S+)	F0	9.2762124E-01	G0	1.9908769E-02			
(3S+,5P-)	F0	8.2822655E-01	G1	1.7456247E-02			
(3S+,5P+)	F0	7.7177866E-01	G1	1.6802868E-02			
(3S+,6S+)	F0	2.9515580E-01	G0	1.4982633E-03			
(3P-,3P-)	F0	4.0216463E+00					
(3P-,3P+)	F0	3.8997124E+00	G2	1.9160316E+00			
(3P-,3D-)	F0	4.1271461E+00	G1	2.2561830E+00			
(3P-,3D+)	F0	4.0908558E+00	G3	1.4598224E+00			
(3P-,4S+)	F0	2.1388238E+00	G1	1.8900065E-01			
(3P-,4P-)	F0	2.1172786E+00	G0	1.5820550E-01			
(3P-,4P+)	F0	2.0177125E+00	G2	1.7376613E-01			
(3P-,4D-)	F0	1.9440605E+00	G1	1.0624647E-01			
(3P-,4D+)	F0	1.9133426E+00	G3	1.0893315E-01			
(3P-,4F-)	F0	1.5365828E+00	G2	1.9795473E-01			
(3P-,4F+)	F0	1.5099994E+00	G4	1.2458675E-01			
(3P-,5S+)	F0	9.3020727E-01	G1	2.6476472E-02			
(3P-,5P-)	F0	8.3059545E-01	G0	1.7568944E-02			
(3P-,5P+)	F0	7.7378820E-01	G2	1.9299190E-02			
(3P-,6S+)	F0	2.9535393E-01	G1	1.9997084E-03			
(3P+,3P+)	F0	3.7912348E+00	F2	1.8976774E+00			
(3P+,3D-)	F0	3.9910359E+00	F2	1.8962512E+00	G1	2.0528807E+00	G3 1.3500361E+00
(3P+,3D+)	F0	3.9585729E+00	F2	1.8986979E+00	G1	2.0789402E+00	G3 1.3669679E+00
(3P+,4S+)	F0	2.1187827E+00	G1	1.8858905E-01			
(3P+,4P-)	F0	2.0964859E+00	G2	1.8247669E-01			

DYSPROSIUM 4F10 Z=66

TABLE 1.– CONTINUED

(3P+,4P+)	F0	1.9991310E+00	F2	5.5629730E-01	G0	1.4508134E-01	G2	1.7139072E-01			
(3P+,4D-)	F0	1.9267499E+00	F2	5.0554260E-01	G1	1.1162581E-01	G3	1.1594746E-01			
(3P+,4D+)	F0	1.8965576E+00	F2	4.9041728E-01	G1	1.0594747E-01	G3	1.1178026E-01			
(3P+,4F-)	F0	1.5314506E+00	F2	3.9127036E-01	G2	2.2337754E-01	G4	1.4743427E-01			
(3P+,4F+)	F0	1.5051470E+00	F2	3.7828897E-01	G2	2.1519954E-01	G4	1.4208211E-01			
(3P+,5S+)	F0	9.2706577E-01	G1	2.6025885E-02							
(3P+,5P-)	F0	8.2798642E-01	G2	2.1005672E-02							
(3P+,5P+)	F0	7.7156971E-01	F2	7.5103184E-02	G0	1.5329536E-02	G2	1.8955140E-02			
(3P+,6S+)	F0	2.9511339E-01	G1	1.9625495E-03							
(3D-,3D-)	F0	4.3231603E+00	F2	2.1812946E+00							
(3D-,3D+)	F0	4.2801985E+00	F2	2.1651966E+00	G2	2.1370268E+00	G4	1.3721842E+00			
(3D-,4S+)	F0	2.1573391E+00	G2	1.7786372E-01							
(3D-,4P-)	F0	2.1352045E+00	G1	1.7681120E-01							
(3D-,4P+)	F0	2.0339179E+00	F2	5.0673120E-01	G1	1.6004319E-01	G3	1.5763662E-01			
(3D-,4D-)	F0	1.9704946E+00	F2	4.8536164E-01	G0	1.5360932E-01	G2	1.8634419E-01			
(3D-,4D+)	F0	1.9391368E+00	F2	4.7189796E-01	G2	1.7976963E-01	G4	1.3918810E-01			
(3D-,4F-)	F0	1.5402230E+00	F2	3.2857680E-01	G1	2.3337594E-01	G3	1.3660875E-01			
(3D-,4F+)	F0	1.5133950E+00	F2	3.1717225E-01	G3	1.3009403E-01	G5	8.9857628E-02			
(3D-,5S+)	F0	9.3311152E-01	G2	2.5214533E-02							
(3D-,5P-)	F0	8.3283508E-01	G1	1.9923485E-02							
(3D-,5P+)	F0	7.7572120E-01	F2	6.7343903E-02	G1	1.7391700E-02	G3	1.7734041E-02			
(3D-,6S+)	F0	2.9557629E-01	G2	1.9078232E-03							
(3D+,3D+)	F0	4.2388714E+00	F2	2.1509639E+00	F4	1.3815100E+00					
(3D+,4S+)	F0	2.1509994E+00	G2	1.8023605E-01							
(3D+,4P-)	F0	2.1286051E+00	G3	1.7669959E-01							
(3D+,4P+)	F0	2.0279992E+00	F2	5.1429037E-01	G1	1.6079876E-01	G3	1.5992307E-01			
(3D+,4D-)	F0	1.9644844E+00	F2	4.9100630E-01	G2	1.8280871E-01	G4	1.4286959E-01			
(3D+,4D+)	F0	1.9333728E+00	F2	4.7737553E-01	F4	2.2576971E-01	G0	1.4839725E-01	G2	1.8189780E-01	G4 1.4147226E-01
(3D+,4F-)	F0	1.5389426E+00	F2	3.3689347E-01	F4	1.5761936E-01	G1	2.4344434E-01	G3	1.4092020E-01	G5 9.7337646E-02
(3D+,4F+)	F0	1.5121866E+00	F2	3.2527404E-01	F4	1.5117879E-01	G1	2.3234948E-01	G3	1.3618488E-01	G5 9.4069213E-02
(3D+,5S+)	F0	9.3211216E-01	G2	2.5413642E-02							
(3D+,5P-)	F0	8.3200262E-01	G3	2.0614599E-02							
(3D+,5P+)	F0	7.7501056E-01	F2	6.8509327E-02	G1	1.7415174E-02	G3	1.7947168E-02			
(3D+,6S+)	F0	2.9549972E-01	G2	1.9218514E-03							
(4S+,4S+)	F0	1.6921193E+00									
(4S+,4P-)	F0	1.6762502E+00	G1	1.1363983E+00							
(4S+,4P+)	F0	1.6277133E+00	G1	1.0971157E+00							
(4S+,4D-)	F0	1.5818489E+00	G2	7.7974798E-01							
(4S+,4D+)	F0	1.5656506E+00	G2	7.6854415E-01							
(4S+,4F-)	F0	1.3196577E+00	G3	4.2212546E-01							
(4S+,4F+)	F0	1.3018898E+00	G3	4.1332889E-01							
(4S+,5S+)	F0	8.6641073E-01	G0	4.3711915E-02							
(4S+,5P-)	F0	7.7979723E-01	G1	4.4570453E-02							
(4S+,5P+)	F0	7.3043152E-01	G1	4.5214431E-02							
(4S+,6S+)	F0	2.9050452E-01	G0	3.0095499E-03							
(4P-,4P-)	F0	1.6613445E+00									
(4P-,4P+)	F0	1.6138588E+00	G2	8.3199888E-01							
(4P-,4D-)	F0	1.5688960E+00	G1	1.0157737E+00							
(4P-,4D+)	F0	1.5530456E+00	G3	6.2330127E-01							
(4P-,4F-)	F0	1.3101529E+00	G2	5.2163909E-01							
(4P-,4F+)	F0	1.2926599E+00	G4	3.5054550E-01							
(4P-,5S+)	F0	8.6455100E-01	G1	5.9637141E-02							
(4P-,5P-)	F0	7.7843269E-01	G0	3.7036860E-02							
(4P-,5P+)	F0	7.2922647E-01	G2	4.3107396E-02							
(4P-,6S+)	F0	2.9036380E-01	G1	4.1461208E-03							

TABLE 1.– CONTINUED

DYSPROSIUM 4F10 Z=66

(4P+,4P+)	F0	1.5713102E+00	F2	8.2095505E-01					
(4P+,4D-)	F0	1.5290729E+00	F2	7.8270726E-01	G1	9.8999975E-01	G3	6.2076754E-01	
(4P+,4D+)	F0	1.5146422E+00	F2	7.7513026E-01	G1	9.8353519E-01	G3	6.1573896E-01	
(4P+,4F-)	F0	1.2831419E+00	F2	6.0302755E-01	G2	5.1512545E-01	G4	3.5511689E-01	
(4P+,4F+)	F0	1.2665084E+00	F2	5.9244772E-01	G2	5.0598384E-01	G4	3.4861636E-01	
(4P+,5S+)	F0	8.5843021E-01	G1	6.3200796E-02					
(4P+,5P-)	F0	7.7367824E-01	G2	4.7999874E-02					
(4P+,5P+)	F0	7.2513401E-01	F2	1.7520404E-01	G0	3.3396172E-02	G2	4.2572219E-02	
(4P+,6S+)	F0	2.8990519E-01	G1	4.3019438E-03					
(4D-,4D-)	F0	1.4915742E+00	F2	7.5510190E-01					
(4D-,4D+)	F0	1.4780002E+00	F2	7.4846973E-01	G2	7.4673945E-01	G4	4.9912221E-01	
(4D-,4F-)	F0	1.2562865E+00	F2	5.8719966E-01	G1	6.8797679E-01	G3	4.2995260E-01	
(4D-,4F+)	F0	1.2403714E+00	F2	5.7742363E-01	G3	4.2155350E-01	G5	2.9736547E-01	
(4D-,5S+)	F0	8.5207398E-01	G2	8.4793899E-02					
(4D-,5P-)	F0	7.6890783E-01	G1	6.0789242E-02					
(4D-,5P+)	F0	7.2106105E-01	F2	1.8563138E-01	G1	4.8895207E-02	G3	4.7797233E-02	
(4D-,6S+)	F0	2.8943605E-01	G2	5.4127976E-03					
(4D+,4D+)	F0	1.4648620E+00	F2	7.4248814E-01	F4	4.9614491E-01			
(4D+,4F-)	F0	1.2470430E+00	F2	5.8419456E-01	F4	3.7016753E-01	G1	6.8261668E-01	G3 4.2699414E-01 G5 3.0139717E-01
(4D+,4F+)	F0	1.2314042E+00	F2	5.7458120E-01	F4	3.6378943E-01	G1	6.7225448E-01	G3 4.2018222E-01 G5 2.9650324E-01
(4D+,5S+)	F0	8.4987846E-01	G2	8.8770873E-02					
(4D+,5P-)	F0	7.6722617E-01	G3	6.0518707E-02					
(4D+,5P+)	F0	7.1962730E-01	F2	1.8898461E-01	G1	5.0645085E-02	G3	4.9325795E-02	
(4D+,6S+)	F0	2.8927300E-01	G2	5.5896294E-03					
(4F-,4F-)	F0	1.0906560E+00	F2	5.0048097E-01	F4	3.1081717E-01			
(4F-,4F+)	F0	1.0785159E+00	F2	4.9386398E-01	F4	3.0653479E-01	G2	4.9269855E-01	G4 3.0584797E-01 G6 2.1915211E-01
(4F-,5S+)	F0	7.9094851E-01	G3	1.5315799E-01					
(4F-,5P-)	F0	7.2155364E-01	G2	1.4664940E-01					
(4F-,5P+)	F0	6.8090337E-01	F2	2.2924622E-01	G2	1.2509580E-01	G4	9.4308912E-02	
(4F-,6S+)	F0	2.8516832E-01	G3	9.6664754E-03					
(4F+,4F+)	F0	1.0666355E+00	F2	4.8747619E-01	F4	3.0241203E-01	F6	2.1663930E-01	
(4F+,5S+)	F0	7.8568807E-01	G3	1.5539145E-01					
(4F+,5P-)	F0	7.1731111E-01	G4	1.1156718E-01					
(4F+,5P+)	F0	6.7721375E-01	F2	2.3078144E-01	G2	1.2843612E-01	G4	9.6350762E-02	
(4F+,6S+)	F0	2.8474118E-01	G3	1.0242474E-02					
(5S+,5S+)	F0	6.9065941E-01							
(5S+,5P-)	F0	6.4666284E-01	G1	4.4041244E-01					
(5S+,5P+)	F0	6.1910741E-01	G1	4.0166341E-01					
(5S+,6S+)	F0	2.7869944E-01	G0	9.5200313E-03					
(5P-,5P-)	F0	6.1078696E-01							
(5P-,5P+)	F0	5.8798322E-01	G2	3.1001904E-01					
(5P-,6S+)	F0	2.7601504E-01	G1	1.6234062E-02					
(5P+,5P+)	F0	5.6801148E-01	F2	3.1302842E-01					
(5P+,6S+)	F0	2.7425303E-01	G1	2.0535614E-02					
(6S+,6S+)	F0	2.1617400E-01							

HOLMIUM 4F11 Z=67

(1S+,1S+)	F0	4.5678674E+01		
(1S+,2S+)	F0	1.4845574E+01	G0	1.6728432E+00
(1S+,2P-)	F0	1.7336985E+01	G1	3.0186238E+00
(1S+,2P+)	F0	1.5502341E+01	G1	2.6913876E+00

TABLE 1.– CONTINUED

HOLMIUM 4F11 Z=67

(1S+,3S+)	F0	5.9441740E+00	G0	3.2479834E-01
(1S+,3P-)	F0	6.3867435E+00	G1	5.7255374E-01
(1S+,3P+)	F0	5.9010845E+00	G1	5.4231105E-01
(1S+,3D-)	F0	5.8715289E+00	G2	2.3964105E-02
(1S+,3D+)	F0	5.7258793E+00	G2	2.5298048E-02
(1S+,4S+)	F0	2.6186599E+00	G0	7.6549512E-02
(1S+,4P-)	F0	2.6389911E+00	G1	1.2762388E-01
(1S+,4P+)	F0	2.4568860E+00	G1	1.2030715E-01
(1S+,4D-)	F0	2.2552013E+00	G2	5.3683672E-03
(1S+,4D+)	F0	2.2040119E+00	G2	5.6458731E-03
(1S+,4F-)	F0	1.6088875E+00	G3	1.0582377E-05
(1S+,4F+)	F0	1.5785622E+00	G3	1.1624204E-05
(1S+,5S+)	F0	1.0172663E+00	G0	1.2283522E-02
(1S+,5P-)	F0	9.0682035E-01	G1	1.6344481E-02
(1S+,5P+)	F0	8.3409690E-01	G1	1.4600935E-02
(1S+,6S+)	F0	3.0432039E-01	G0	9.2704470E-04
(2S+,2S+)	F0	1.0339597E+01		
(2S+,2P-)	F0	1.1166949E+01	G1	5.9180091E+00
(2S+,2P+)	F0	1.0735590E+01	G1	6.0803603E+00
(2S+,3S+)	F0	5.0824388E+00	G0	4.2892351E-01
(2S+,3P-)	F0	5.3363584E+00	G1	4.1720952E-01
(2S+,3P+)	F0	5.0632621E+00	G1	3.7359531E-01
(2S+,3D-)	F0	5.6321029E+00	G2	1.3059119E+00
(2S+,3D+)	F0	5.5187565E+00	G2	1.2566499E+00
(2S+,4S+)	F0	2.4147153E+00	G0	8.6658264E-02
(2S+,4P-)	F0	2.4071614E+00	G1	8.4021933E-02
(2S+,4P+)	F0	2.2741143E+00	G1	7.3501985E-02
(2S+,4D-)	F0	2.2059569E+00	G2	2.1807600E-01
(2S+,4D+)	F0	2.1616650E+00	G2	2.1055448E-01
(2S+,4F-)	F0	1.6082704E+00	G3	7.8334172E-03
(2S+,4F+)	F0	1.5780203E+00	G3	7.4916232E-03
(2S+,5S+)	F0	9.8450504E-01	G0	1.3494931E-02
(2S+,5P-)	F0	8.7717809E-01	G1	1.0567322E-02
(2S+,5P+)	F0	8.1197798E-01	G1	8.7386316E-03
(2S+,6S+)	F0	3.0184752E-01	G0	1.0146070E-03
(2P-,2P-)	F0	1.2530097E+01		
(2P-,2P+)	F0	1.1901990E+01	G2	5.3171334E+00
(2P-,3S+)	F0	5.2224669E+00	G1	4.9819169E-01
(2P-,3P-)	F0	5.5383809E+00	G0	5.6478075E-01
(2P-,3P+)	F0	5.2458131E+00	G2	5.2530509E-01
(2P-,3D-)	F0	5.7168059E+00	G1	1.3227195E+00
(2P-,3D+)	F0	5.5936056E+00	G3	7.0328410E-01
(2P-,4S+)	F0	2.4472779E+00	G1	1.0532171E-01
(2P-,4P-)	F0	2.4508510E+00	G0	1.0852443E-01
(2P-,4P+)	F0	2.3132327E+00	G2	1.0610641E-01
(2P-,4D-)	F0	2.2230174E+00	G1	2.2876088E-01
(2P-,4D+)	F0	2.1766822E+00	G3	1.2406923E-01
(2P-,4F-)	F0	1.6085291E+00	G2	6.0968039E-03
(2P-,4F+)	F0	1.5782489E+00	G4	3.6725199E-03
(2P-,5S+)	F0	9.8971754E-01	G1	1.6540489E-02
(2P-,5P-)	F0	8.8274353E-01	G0	1.3533510E-02
(2P-,5P+)	F0	8.1669700E-01	G2	1.2666146E-02
(2P-,6S+)	F0	3.0224079E-01	G1	1.2449079E-03
(2P+,2P+)	F0	1.1376964E+01	F2	5.4068177E+00
(2P+,3S+)	F0	5.1471801E+00	G1	4.8940724E-01

TABLE 1.– CONTINUED

HOLMIUM 4F11 Z=67

(2P+,3P-)	F0	5.4412978E+00	G2	5.4339290E-01				
(2P+,3P+)	F0	5.1619146E+00	F2	1.2519091E+00	G0	4.9614449E-01	G2	5.3810535E-01
(2P+,3D-)	F0	5.6759674E+00	F2	1.6766482E+00	G1	1.4847060E+00	G3	8.5366582E-01
(2P+,3D+)	F0	5.5572418E+00	F2	1.5987024E+00	G1	1.4541464E+00	G3	8.3644987E-01
(2P+,4S+)	F0	2.4296707E+00	G1	1.0222697E-01				
(2P+,4P-)	F0	2.4296853E+00	G2	1.0993139E-01				
(2P+,4P+)	F0	2.2951530E+00	F2	2.7020330E-01	G0	9.3407896E-02	G2	1.0828723E-01
(2P+,4D-)	F0	2.2149728E+00	F2	2.8889091E-01	G1	2.4659900E-01	G3	1.4563803E-01
(2P+,4D+)	F0	2.1695493E+00	F2	2.7446471E-01	G1	2.4299011E-01	G3	1.4337854E-01
(2P+,4F-)	F0	1.6083746E+00	F2	7.4901349E-02	G2	8.1328131E-03	G4	5.2425545E-03
(2P+,4F+)	F0	1.5781110E+00	F2	7.1515436E-02	G2	7.8580753E-03	G4	5.0712983E-03
(2P+,5S+)	F0	9.8689577E-01	G1	1.6018837E-02				
(2P+,5P-)	F0	8.8004325E-01	G2	1.3834976E-02				
(2P+,5P+)	F0	8.1451371E-01	F2	3.3286275E-02	G0	1.1016296E-02	G2	1.2917903E-02
(2P+,6S+)	F0	3.0202787E-01	G1	1.2053095E-03				
(3S+,3S+)	F0	3.9111676E+00						
(3S+,3P-)	F0	3.9990477E+00	G1	2.5428063E+00				
(3S+,3P+)	F0	3.8844609E+00	G1	2.5366344E+00				
(3S+,3D-)	F0	4.0978846E+00	G2	1.6553054E+00				
(3S+,3D+)	F0	4.0638186E+00	G2	1.6721966E+00				
(3S+,4S+)	F0	2.1678559E+00	G0	1.5006683E-01				
(3S+,4P-)	F0	2.1452894E+00	G1	1.5737832E-01				
(3S+,4P+)	F0	2.0421596E+00	G1	1.5950026E-01				
(3S+,4D-)	F0	1.9730250E+00	G2	1.0655425E-01				
(3S+,4D+)	F0	1.9410083E+00	G2	1.0190645E-01				
(3S+,4F-)	F0	1.5798974E+00	G3	1.7910211E-01				
(3S+,4F+)	F0	1.5515360E+00	G3	1.7177284E-01				
(3S+,5S+)	F0	9.4547632E-01	G0	2.0248446E-02				
(3S+,5P-)	F0	8.4417588E-01	G1	1.7690511E-02				
(3S+,5P+)	F0	7.8426064E-01	G1	1.6976351E-02				
(3S+,6S+)	F0	2.9890728E-01	G0	1.4969483E-03				
(3P-,3P-)	F0	4.1074197E+00						
(3P-,3P+)	F0	3.9786656E+00	G2	1.9520650E+00				
(3P-,3D-)	F0	4.2138874E+00	G1	2.3027939E+00				
(3P-,3D+)	F0	4.1756050E+00	G3	1.4900635E+00				
(3P-,4S+)	F0	2.1849488E+00	G1	1.9320874E-01				
(3P-,4P-)	F0	2.1648923E+00	G0	1.6222770E-01				
(3P-,4P+)	F0	2.0595437E+00	G2	1.7754585E-01				
(3P-,4D-)	F0	1.9682873E+00	G1	1.0881872E-01				
(3P-,4D+)	F0	1.9557508E+00	G3	1.1148511E-01				
(3P-,4F-)	F0	1.5829431E+00	G2	2.0744890E-01				
(3P-,4F+)	F0	1.5543899E+00	G4	1.3035861E-01				
(3P-,5S+)	F0	9.4815237E-01	G1	2.6894246E-02				
(3P-,5P-)	F0	8.4662383E-01	G0	1.7854266E-02				
(3P-,5P+)	F0	7.8632199E-01	G2	1.9481689E-02				
(3P-,6S+)	F0	2.9910864E-01	G1	1.9953615E-03				
(3P+,3P+)	F0	3.8645687E+00	F2	1.9336292E+00				
(3P+,3D-)	F0	4.0704237E+00	F2	1.9326137E+00	G1	2.0880270E+00	G3	1.3741681E+00
(3P+,3D+)	F0	4.0363017E+00	F2	1.9353073E+00	G1	2.1156665E+00	G3	1.3921535E+00
(3P+,4S+)	F0	2.1637466E+00	G1	1.9279903E-01				
(3P+,4P-)	F0	2.1428490E+00	G2	1.8688778E-01				
(3P+,4P+)	F0	2.0399287E+00	F2	5.6821576E-01	G0	1.4825641E-01	G2	1.7499989E-01
(3P+,4D-)	F0	1.9699568E+00	F2	5.1860640E-01	G1	1.1478570E-01	G3	1.1906484E-01
(3P+,4D+)	F0	1.9379989E+00	F2	5.0253873E-01	G1	1.0863402E-01	G3	1.1457044E-01
(3P+,4F-)	F0	1.5773602E+00	F2	4.0790716E-01	G2	2.3481310E-01	G4	1.5502969E-01

TABLE 1.– CONTINUED

HOLMIUM 4F11 Z=67

(3P+,4F+)	F0	1.5491227E+00	F2	3.9385438E-01	G2	2.2590157E-01	G4	1.4919569E-01		
(3P+,5S+)	F0	9.4485013E-01	G1	2.6424300E-02						
(3P+,5P-)	F0	8.4388274E-01	G2	2.1308766E-02						
(3P+,5P+)	F0	7.8400846E-01	F2	7.5933783E-02	G0	1.5477028E-02	G2	1.9119478E-02		
(3P+,6S+)	F0	2.9886031E-01	G1	1.9573024E-03						
(3D-,3D-)	F0	4.4129702E+00	F2	2.2272932E+00						
(3D-,3D+)	F0	4.3677137E+00	F2	2.2103418E+00	G2	2.1804640E+00	G4	1.4033359E+00		
(3D-,4S+)	F0	2.2036698E+00	G2	1.8164181E-01						
(3D-,4P-)	F0	2.1830126E+00	G1	1.8091388E-01						
(3D-,4P+)	F0	2.0758769E+00	F2	5.1703480E-01	G1	1.6317200E-01	G3	1.6072557E-01		
(3D-,4D-)	F0	2.0152447E+00	F2	4.9742433E-01	G0	1.5727155E-01	G2	1.9094114E-01		
(3D-,4D+)	F0	1.9820341E+00	F2	4.8314019E-01	G2	1.8393630E-01	G4	1.4246059E-01		
(3D-,4F-)	F0	1.5867747E+00	F2	3.4222826E-01	G1	2.4464684E-01	G3	1.4325296E-01		
(3D-,4F+)	F0	1.5579544E+00	F2	3.2987900E-01	G3	1.3615757E-01	G5	9.4060064E-02		
(3D-,5S+)	F0	9.5106939E-01	G2	2.5589268E-02						
(3D-,5P-)	F0	8.4886666E-01	G1	2.0200312E-02						
(3D-,5P+)	F0	7.8824638E-01	F2	6.7983638E-02	G1	1.7522365E-02	G3	1.7866284E-02		
(3D-,6S+)	F0	2.9932800E-01	G2	1.9019315E-03						
(3D+,3D+)	F0	4.3242358E+00	F2	2.1954211E+00	F4	1.4103411E+00				
(3D+,4S+)	F0	2.1969691E+00	G2	1.8412757E-01						
(3D+,4P-)	F0	2.1760228E+00	G3	1.8088642E-01						
(3D+,4P+)	F0	2.0696328E+00	F2	5.2498635E-01	G1	1.6394896E-01	G3	1.6312442E-01		
(3D+,4D-)	F0	2.0086816E+00	F2	5.0338299E-01	G2	1.8718518E-01	G4	1.4638053E-01		
(3D+,4D+)	F0	1.9759415E+00	F2	4.8891784E-01	F4	2.3136052E-01	G0	1.5172772E-01	G2	1.8620168E-01	G4	1.4488742E-01
(3D+,4F-)	F0	1.5853855E+00	F2	3.5113033E-01	F4	1.6499033E-01	G1	2.5221247E-01	G3	1.4787310E-01	G5	1.0215592E-01
(3D+,4F+)	F0	1.5566463E+00	F2	3.3854277E-01	F4	1.5798969E-01	G1	2.4341061E-01	G3	1.4272192E-01	G5	9.8599812E-02
(3D+,5S+)	F0	9.5001966E-01	G2	2.5796395E-02						
(3D+,5P-)	F0	8.4799285E-01	G3	2.0908793E-02						
(3D+,5P+)	F0	7.8750575E-01	F2	6.9198836E-02	G1	1.7545692E-02	G3	1.8087648E-02		
(3D+,6S+)	F0	2.9924902E-01	G2	1.9162740E-03						
(4S+,4S+)	F0	1.7283817E+00								
(4S+,4P-)	F0	1.7130531E+00	G1	1.1608195E+00						
(4S+,4P+)	F0	1.6617165E+00	G1	1.1193179E+00						
(4S+,4D-)	F0	1.6169842E+00	G2	7.9702495E-01						
(4S+,4D+)	F0	1.5998566E+00	G2	7.8526574E-01						
(4S+,4F-)	F0	1.3563735E+00	G3	4.3544819E-01						
(4S+,4F+)	F0	1.3373806E+00	G3	4.2609139E-01						
(4S+,5S+)	F0	6.8334669E-01	G0	4.4423362E-02						
(4S+,5P-)	F0	7.9504590E-01	G1	4.5111466E-02						
(4S+,5P+)	F0	7.4260989E-01	G1	4.5718800E-02						
(4S+,6S+)	F0	2.9426986E-01	G0	3.0076045E-03						
(4P-,4P-)	F0	1.6986778E+00								
(4P-,4P+)	F0	1.6483560E+00	G2	8.4877269E-01						
(4P-,4D-)	F0	1.6044459E+00	G1	1.0384774E+00						
(4P-,4D+)	F0	1.5876586E+00	G3	6.3688164E-01						
(4P-,4F-)	F0	1.3470041E+00	G2	5.3778775E-01						
(4P-,4F+)	F0	1.3282902E+00	G4	3.6134842E-01						
(4P-,5S+)	F0	8.8154806E-01	G1	6.0539249E-02						
(4P-,5P-)	F0	7.9374851E-01	G0	3.7592192E-02						
(4P-,5P+)	F0	7.4146884E-01	G2	4.3528368E-02						
(4P-,6S+)	F0	2.9413762E-01	G1	4.1392003E-03						
(4P+,4P+)	F0	1.6034385E+00	F2	8.3749898E-01						
(4P+,4D-)	F0	1.5622117E+00	F2	7.9949434E-01	G1	1.0107099E+00	G3	6.3391291E-01		
(4P+,4D+)	F0	1.5469798E+00	F2	7.9156174E-01	G1	1.0041110E+00	G3	6.2873380E-01		
(4P+,4F-)	F0	1.3179362E+00	F2	6.2071416E-01	G2	5.3010611E-01	G4	3.6572551E-01		

TABLE 1.– CONTINUED

HOLMIUM 4F11 Z=67

(4P+,4F+)	F0	1.3001819E+00	F2	6.0947076E-01	G2	5.2045042E-01	G4	3.5884579E-01	
(4P+,5S+)	F0	8.7513237E-01	G1	6.4312447E-02					
(4P+,5P-)	F0	7.8875229E-01	G2	4.8761929E-02					
(4P+,5P+)	F0	7.3719731E-01	F2	1.7733805E-01	G0	3.3729455E-02	G2	4.2960039E-02	
(4P+,6S+)	F0	2.9366383E-01	G1	4.3026211E-03					
(4D-,4D-)	F0	1.5256164E+00	F2	7.7211764E-01					
(4D-,4D+)	F0	1.5112303E+00	F2	7.6508694E-01	G2	7.6323080E-01	G4	5.1015511E-01	
(4D-,4F-)	F0	1.2913475E+00	F2	6.0446589E-01	G1	7.0773388E-01	G3	4.4270681E-01	
(4D-,4F+)	F0	1.2743257E+00	F2	5.9404921E-01	G3	4.3377328E-01	G5	3.0608392E-01	
(4D-,5S+)	F0	8.6894856E-01	G2	8.5878149E-02					
(4D-,5P-)	F0	7.8411807E-01	G1	6.1637107E-02					
(4D-,5P+)	F0	7.3326976E-01	F2	1.8750462E-01	G1	4.9167174E-02	G3	4.8064328E-02	
(4D-,6S+)	F0	2.9321562E-01	G2	5.3978862E-03					
(4D+,4D+)	F0	1.4973222E+00	F2	7.5876853E-01	F4	5.0702578E-01			
(4D+,4F-)	F0	1.2814182E+00	F2	6.0113014E-01	F4	3.8105893E-01	G1	7.0176453E-01	G3 4.3938988E-01 G5 3.1025696E-01
(4D+,4F+)	F0	1.2647044E+00	F2	5.9100765E-01	F4	3.7428101E-01	G1	6.9082817E-01	G3 4.3218110E-01 G5 3.0507285E-01
(4D+,5S+)	F0	8.6664091E-01	G2	9.0054386E-02					
(4D+,5P-)	F0	7.8235125E-01	G3	6.1438108E-02					
(4D+,5P+)	F0	7.3177402E-01	F2	1.9102811E-01	G1	5.0972843E-02	G3	4.9650102E-02	
(4D+,6S+)	F0	2.9304723E-01	G2	5.5813906E-03					
(4F-,4F-)	F0	1.1251225E+00	F2	5.1697482E-01	F4	3.2119576E-01			
(4F-,4F+)	F0	1.1120304E+00	F2	5.0982243E-01	F4	3.1656408E-01	G2	5.0854714E-01	G4 3.1581241E-01 G6 2.2632809E-01
(4F-,5S+)	F0	8.0861566E-01	G3	1.5423827E-01					
(4F-,5P-)	F0	7.3739588E-01	G2	1.4736998E-01					
(4F-,5P+)	F0	6.9394455E-01	F2	2.3110806E-01	G2	1.2470744E-01	G4	9.4177814E-02	
(4F-,6S+)	F0	2.8907997E-01	G3	9.5165476E-03					
(4F+,4F+)	F0	1.0992304E+00	F2	5.0292807E-01	F4	3.1211219E-01	F6	2.2362110E-01	
(4F+,5S+)	F0	8.0305232E-01	G3	1.5667558E-01					
(4F+,5P-)	F0	7.3291174E-01	G4	1.1241420E-01					
(4F+,5P+)	F0	6.9006998E-01	F2	2.3280397E-01	G2	1.2829393E-01	G4	9.6375856E-02	
(4F+,6S+)	F0	2.8863683E-01	G3	1.0114380E-02					
(5S+,5S+)	F0	7.0396416E-01							
(5S+,5P-)	F0	6.5912673E-01	G1	4.4896693E-01					
(5S+,5P+)	F0	6.2983693E-01	G1	4.0783245E-01					
(5S+,6S+)	F0	2.8243410E-01	G0	9.5695176E-03					
(5P-,5P-)	F0	6.2254161E-01							
(5P-,5P+)	F0	5.9828225E-01	G2	3.1501556E-01					
(5P-,6S+)	F0	2.7974414E-01	G1	1.6327786E-02					
(5P+,5P+)	F0	5.7714716E-01	F2	3.0774056E-01					
(5P+,6S+)	F0	2.7789936E-01	G1	2.0887887E-02					
(6S+,6S+)	F0	2.1897222E-01							

ERBIUM 4F12 Z=68

(1S+,1S+)	F0	4.6521910E+01		
(1S+,2S+)	F0	1.5142721E+01	G0	1.7154478E+00
(1S+,2P-)	F0	1.7696964E+01	G1	3.0738637E+00
(1S+,2P+)	F0	1.5763729E+01	G1	2.7308041E+00
(1S+,3S+)	F0	6.0707008E+00	G0	3.3440086E-01
(1S+,3P-)	F0	6.5288054E+00	G1	5.8563490E-01
(1S+,3P+)	F0	6.0162178E+00	G1	5.5395343E-01
(1S+,3D-)	F0	5.9902430E+00	G2	2.4455245E-02

TABLE 1.– CONTINUED

ERBIUM 4F12 Z=68

(1S+,3D+)	F0	5.8369438E+00	G2	2.5880529E-02				
(1S+,4S+)	F0	2.6763312E+00	G0	7.9021398E-02				
(1S+,4P-)	F0	2.7002908E+00	G1	1.3097830E-01				
(1S+,4P+)	F0	2.5073459E+00	G1	1.2322192E-01				
(1S+,4D-)	F0	2.3058263E+00	G2	5.5103605E-03				
(1S+,4D+)	F0	2.2516138E+00	G2	5.8075333E-03				
(1S+,4F-)	F0	1.6556873E+00	G3	1.1272860E-05				
(1S+,4F+)	F0	1.6231113E+00	G3	1.2422749E-05				
(1S+,5S+)	F0	1.0366016E+00	G0	1.2599354E-02				
(1S+,5P-)	F0	9.2404545E-01	G1	1.6625909E-02				
(1S+,5P+)	F0	8.4698156E-01	G1	1.4774487E-02				
(1S+,6S+)	F0	3.0800880E-01	G0	9.3591045E-04				
(2S+,2S+)	F0	1.0538145E+01						
(2S+,2P-)	F0	1.1385374E+01	G1	6.0205800E+00				
(2S+,2P+)	F0	1.0929960E+01	G1	6.1909751E+00				
(2S+,3S+)	F0	5.1857807E+00	G0	4.3952337E-01				
(2S+,3P-)	F0	5.4484443E+00	G1	4.2714587E-01				
(2S+,3P+)	F0	5.1608588E+00	G1	3.8146018E-01				
(2S+,3D-)	F0	5.7451141E+00	G2	1.3329181E+00				
(2S+,3D+)	F0	5.6258777E+00	G2	1.2813046E+00				
(2S+,4S+)	F0	2.4663026E+00	G0	8.9023796E-02				
(2S+,4P-)	F0	2.4610024E+00	G1	8.6285915E-02				
(2S+,4P+)	F0	2.3202610E+00	G1	7.5162422E-02				
(2S+,4D-)	F0	2.2551327E+00	G2	2.2348511E-01				
(2S+,4D+)	F0	2.2082436E+00	G2	2.1553003E-01				
(2S+,4F-)	F0	1.6550312E+00	G3	8.2915760E-03				
(2S+,4F+)	F0	1.6225378E+00	G3	7.9163997E-03				
(2S+,5S+)	F0	1.0030766E+00	G0	1.3774252E-02				
(2S+,5P-)	F0	8.9371865E-01	G1	1.0755704E-02				
(2S+,5P+)	F0	8.2461367E-01	G1	8.8270086E-03				
(2S+,6S+)	F0	3.0551812E-01	G0	1.0193346E-03				
(2P-,2P-)	F0	1.2782795E+01						
(2P-,2P+)	F0	1.2119201E+01	G2	5.4015171E+00				
(2P-,3S+)	F0	5.3298927E+00	G1	5.0922789E-01				
(2P-,3P-)	F0	5.6565820E+00	G0	5.7973927E-01				
(2P-,3P+)	F0	5.3482916E+00	G2	5.3656583E-01				
(2P-,3D-)	F0	5.8321459E+00	G1	1.3491963E+00				
(2P-,3D+)	F0	5.7024776E+00	G3	7.1562884E-01				
(2P-,4S+)	F0	2.4999090E+00	G1	1.0790798E-01				
(2P-,4P-)	F0	2.5061659E+00	G0	1.1171618E-01				
(2P-,4P+)	F0	2.3605273E+00	G2	1.0860330E-01				
(2P-,4D-)	F0	2.2727548E+00	G1	2.3441406E-01				
(2P-,4D+)	F0	2.2236875E+00	G3	1.2679873E-01				
(2P-,4F-)	F0	1.6553073E+00	G2	6.4412281E-03				
(2P-,4F+)	F0	1.6227808E+00	G4	3.8703869E-03				
(2P-,5S+)	F0	1.0084221E+00	G1	1.6837834E-02				
(2P-,5P-)	F0	8.9942107E-01	G0	1.3807358E-02				
(2P-,5P+)	F0	8.2941255E-01	G2	1.2806955E-02				
(2P-,6S+)	F0	3.0591508E-01	G1	1.2473614E-03				
(2P+,2P+)	F0	1.1567890E+01	F2	5.4973128E+00				
(2P+,3S+)	F0	5.2500128E+00	G1	5.0005609E-01				
(2P+,3P-)	F0	5.5534715E+00	G2	5.5575693E-01				
(2P+,3P+)	F0	5.2596129E+00	F2	1.2783721E+00	G0	5.0698212E-01	G2	5.4992243E-01
(2P+,3D-)	F0	5.7888934E+00	F2	1.7157177E+00	G1	1.5200381E+00	G3	8.7405218E-01
(2P+,3D+)	F0	5.6641063E+00	F2	1.6336564E+00	G1	1.4881732E+00	G3	8.5610505E-01

TABLE 1.– CONTINUED

ERBIUM 4F12 Z=68

(2P+,4S+)	F0	2.4811750E+00	G1	1.0464354E-01				
(2P+,4P-)	F0	2.4836086E+00	G2	1.1271864E-01				
(2P+,4P+)	F0	2.3413693E+00	F2	2.7663536E-01	G0	9.5596625E-02	G2	1.1088130E-01
(2P+,4D-)	F0	2.2641916E+00	F2	2.9689993E-01	G1	2.5321768E-01	G3	1.4960367E-01
(2P+,4D+)	F0	2.2161255E+00	F2	2.8158604E-01	G1	2.4942524E-01	G3	1.4722521E-01
(2P+,4F-)	F0	1.6551373E+00	F2	7.8579010E-02	G2	8.6705219E-03	G4	5.5897523E-03
(2P+,4F+)	F0	1.6226296E+00	F2	7.4883842E-02	G2	8.3773311E-03	G4	5.4030713E-03
(2P+,5S+)	F0	1.0054387E+00	G1	1.6290734E-02				
(2P+,5P-)	F0	8.9656860E-01	G2	1.4058586E-02				
(2P+,5P+)	F0	8.2712698E-01	F2	3.3688636E-02	G0	1.1136992E-02	G2	1.3066692E-02
(2P+,6S+)	F0	3.0569350E-01	G1	1.2064844E-03				
(3S+,3S+)	F0	3.9900883E+00						
(3S+,3P-)	F0	4.0812826E+00	G1	2.5919910E+00				
(3S+,3P+)	F0	3.9605262E+00	G1	2.5854406E+00				
(3S+,3D-)	F0	4.1807829E+00	G2	1.6872780E+00				
(3S+,3D+)	F0	4.1449200E+00	G2	1.7050847E+00				
(3S+,4S+)	F0	2.2135116E+00	G0	1.5354996E-01				
(3S+,4P-)	F0	2.1923188E+00	G1	1.6088691E-01				
(3S+,4P+)	F0	2.0833208E+00	G1	1.6307033E-01				
(3S+,4D-)	F0	2.0165510E+00	G2	1.0922709E-01				
(3S+,4D+)	F0	1.9826832E+00	G2	1.0426509E-01				
(3S+,4F-)	F0	1.6252025E+00	G3	1.8736435E-01				
(3S+,4F+)	F0	1.5947698E+00	G3	1.7940723E-01				
(3S+,5S+)	F0	9.6336164E-01	G0	2.0589289E-02				
(3S+,5P-)	F0	8.6015536E-01	G1	1.7924826E-02				
(3S+,5P+)	F0	7.9663999E-01	G1	1.7148425E-02				
(3S+,6S+)	F0	3.0257320E-01	G0	1.4985060E-03				
(3P-,3P-)	F0	4.1938382E+00						
(3P-,3P+)	F0	4.0579517E+00	G2	1.9880496E+00				
(3P-,3D-)	F0	4.3010355E+00	G1	2.3498126E+00				
(3P-,3D+)	F0	4.2606744E+00	G3	1.5234843E+00				
(3P-,4S+)	F0	2.2312947E+00	G1	1.9743213E-01				
(3P-,4P-)	F0	2.2127379E+00	G0	1.6628277E-01				
(3P-,4P+)	F0	2.1013498E+00	G2	1.8131692E-01				
(3P-,4D-)	F0	2.0324351E+00	G1	1.1137412E-01				
(3P-,4D+)	F0	1.9980055E+00	G3	1.1400927E-01				
(3P-,4F-)	F0	1.6284773E+00	G2	2.1668838E-01				
(3P-,4F+)	F0	1.5978309E+00	G4	1.3593716E-01				
(3P-,5S+)	F0	9.6612811E-01	G1	2.7311555E-02				
(3P-,5P-)	F0	8.6268276E-01	G0	1.8141090E-02				
(3P-,5P+)	F0	7.9875220E-01	G2	1.9659668E-02				
(3P-,6S+)	F0	3.0277810E-01	G1	1.9947859E-03				
(3P+,3P+)	F0	3.9380168E+00	F2	1.9695971E+00				
(3P+,3D-)	F0	4.1499214E+00	F2	1.9689748E+00	G1	2.1231416E+00	G3	1.3982644E+00
(3P+,3D+)	F0	4.1140788E+00	F2	1.9719243E+00	G1	2.1524191E+00	G3	1.4173429E+00
(3P+,4S+)	F0	2.2088792E+00	G1	1.9703288E-01				
(3P+,4P-)	F0	2.1893861E+00	G2	1.9132908E-01				
(3P+,4P+)	F0	2.0806617E+00	F2	5.8007712E-01	G0	1.5142381E-01	G2	1.7859094E-01
(3P+,4D-)	F0	2.0130444E+00	F2	5.3159874E-01	G1	1.1794578E-01	G3	1.2216936E-01
(3P+,4D+)	F0	1.9792507E+00	F2	5.1455089E-01	G1	1.1129972E-01	G3	1.1733341E-01
(3P+,4F-)	F0	1.6224263E+00	F2	4.2419662E-01	G2	2.4605350E-01	G4	1.6249755E-01
(3P+,4F+)	F0	1.5921352E+00	F2	4.0901400E-01	G2	2.3636759E-01	G4	1.5615473E-01
(3P+,5S+)	F0	9.6265881E-01	G1	2.6822399E-02				
(3P+,5P-)	F0	8.5980441E-01	G2	2.1612376E-02				
(3P+,5P+)	F0	7.9634124E-01	F2	7.6740445E-02	G0	1.5520909E-02	G2	1.9278601E-02

TABLE 1.– CONTINUED

ERBIUM 4F12 Z=68

(3P+,6S+)	F0	3.0252130E-01	G1	1.9557895E-03							
(3D-,3D-)	F0	4.5029033E+00	F2	2.2733075E+00							
(3D-,3D+)	F0	4.4552651E+00	F2	2.2554688E+00	G2	2.2238162E+00	G4	1.4284279E+00			
(3D-,4S+)	F0	2.2501776E+00	G2	1.8544884E-01							
(3D-,4P-)	F0	2.2310053E+00	G1	1.8504500E-01							
(3D-,4P+)	F0	2.1177677E+00	F2	5.2728490E-01	G1	1.6528376E-01	G3	1.6379418E-01			
(3D-,4D-)	F0	2.0598725E+00	F2	5.0941235E-01	G0	1.6091700E-01	G2	1.9550880E-01			
(3D-,4D+)	F0	2.0247346E+00	F2	4.9427505E-01	G2	1.8805632E-01	G4	1.4569434E-01			
(3D-,4F-)	F0	1.6324858E+00	F2	3.5557964E-01	G1	2.5569646E-01	G3	1.4976780E-01			
(3D-,4F+)	F0	1.6015495E+00	F2	3.4223461E-01	G3	1.4206186E-01	G5	9.8152702E-02			
(3D-,5S+)	F0	9.6905117E-01	G2	2.5964866E-02							
(3D-,5P-)	F0	8.6492320E-01	G1	2.0477835E-02							
(3D-,5P+)	F0	8.0066320E-01	F2	6.8603310E-02	G1	1.7648631E-02	G3	1.7993585E-02			
(3D-,6S+)	F0	3.0299446E-01	G2	1.8997825E-03							
(3D+,3D+)	F0	4.4095594E+00	F2	2.2398381E+00	F4	1.4391420E+00					
(3D+,4S+)	F0	2.2431006E+00	G2	1.8805400E-01							
(3D+,4P-)	F0	2.2236080E+00	G3	1.8510335E-01							
(3D+,4P+)	F0	2.1111865E+00	F2	5.3564249E-01	G1	1.6708313E-01	G3	1.6630950E-01			
(3D+,4D-)	F0	2.0531435E+00	F2	5.1569643E-01	G2	1.9152470E-01	G4	1.4986277E-01			
(3D+,4D+)	F0	2.0183024E+00	F2	5.0036325E-01	F4	2.3689931E-01	G0	1.5502811E-01	G2	1.9046404E-01	G4 1.4826902E-01
(3D+,4F-)	F0	1.6309837E+00	F2	3.6508438E-01	F4	1.7222857E-01	G1	2.6377139E-01	G3	1.5470437E-01	G5 1.0689049E-01
(3D+,4F+)	F0	1.6001386E+00	F2	3.5147545E-01	F4	1.6463772E-01	G1	2.5422239E-01	G3	1.4911361E-01	G5 1.0303027E-01
(3D+,5S+)	F0	9.6794963E-01	G2	2.6180388E-02							
(3D+,5P-)	F0	8.6400655E-01	G3	2.1203632E-02							
(3D+,5P+)	F0	7.9989190E-01	F2	6.9869633E-02	G1	1.7671843E-02	G3	1.8223389E-02			
(3D+,6S+)	F0	3.0291286E-01	G2	1.9144807E-03							
(4S+,4S+)	F0	1.7647923E+00									
(4S+,4P-)	F0	1.7500061E+00	G1	1.1853169E+00							
(4S+,4P+)	F0	1.6957430E+00	G1	1.1414683E+00							
(4S+,4D-)	F0	1.6521095E+00	G2	8.1425051E-01							
(4S+,4D+)	F0	1.6340121E+00	G2	8.0190180E-01							
(4S+,4F-)	F0	1.3925035E+00	G3	4.4838377E-01							
(4S+,4F+)	F0	1.3722004E+00	G3	4.3842987E-01							
(4S+,5S+)	F0	9.0309994E-01	G0	4.5135882E-02							
(4S+,5P-)	F0	8.1032205E-01	G1	4.5654616E-02							
(4S+,5P+)	F0	7.5469633E-01	G1	4.6224206E-02							
(4S+,6S+)	F0	2.9794044E-01	G0	3.0111025E-03							
(4P-,4P-)	F0	1.7361666E+00									
(4P-,4P+)	F0	1.6828775E+00	G2	8.6547957E-01							
(4P-,4D-)	F0	1.6399941E+00	G1	1.0611421E+00							
(4P-,4D+)	F0	1.6222277E+00	G3	6.5038920E-01							
(4P-,4F-)	F0	1.3832964E+00	G2	5.5350022E-01							
(4P-,4F+)	F0	1.3632757E+00	G4	3.7180716E-01							
(4P-,5S+)	F0	8.9859163E-01	G1	6.1442513E-02							
(4P-,5P-)	F0	8.0909109E-01	G0	3.8148922E-02							
(4P-,5P+)	F0	7.5361794E-01	G2	4.3943338E-02							
(4P-,6S+)	F0	2.9781610E-01	G1	4.1398799E-03							
(4P+,4P+)	F0	1.6354973E+00	F2	8.5400171E-01							
(4P+,4D-)	F0	1.5952499E+00	F2	8.1621422E-01	G1	1.0313205E+00	G3	6.4699036E-01			
(4P+,4D+)	F0	1.5791854E+00	F2	8.0791278E-01	G1	1.0245834E+00	G3	6.4165584E-01			
(4P+,4F-)	F0	1.3520996E+00	F2	6.3793672E-01	G2	5.4461328E-01	G4	3.7600012E-01			
(4P+,4F+)	F0	1.3331480E+00	F2	6.2598535E-01	G2	5.3440905E-01	G4	3.6871634E-01			
(4P+,5S+)	F0	8.9184838E-01	G1	6.5439690E-02							
(4P+,5P-)	F0	8.0384348E-01	G2	4.9533537E-02							
(4P+,5P+)	F0	7.4916245E-01	F2	1.7943160E-01	G0	3.4056379E-02	G2	4.3339508E-02			

TABLE 1.– CONTINUED

ERBIUM 4F12 Z=68

(4P+,6S+)	F0	2.9732584E-01	G1	4.3116412E-03					
(4D-,4D-)	F0	1.5595440E+00	F2	7.8906717E-01					
(4D-,4D+)	F0	1.5443131E+00	F2	7.8162125E-01	G2	7.7963333E-01	G4	5.2112399E-01	
(4D-,4F-)	F0	1.3258208E+00	F2	6.2133200E-01	G1	7.2697995E-01	G3	4.5512292E-01	
(4D-,4F+)	F0	1.3076152E+00	F2	6.1022926E-01	G3	4.4561931E-01	G5	3.1453299E-01	
(4D-,5S+)	F0	8.8582893E-01	G2	8.7001042E-02					
(4D-,5P-)	F0	7.9933915E-01	G1	6.2512764E-02					
(4D-,5P+)	F0	7.4537389E-01	F2	1.8934693E-01	G1	4.9440726E-02	G3	4.8330238E-02	
(4D-,6S+)	F0	2.9689650E-01	G2	5.3943406E-03					
(4D+,4D+)	F0	1.5296054E+00	F2	7.7495390E-01	F4	5.1783798E-01			
(4D+,4F-)	F0	1.3151819E+00	F2	6.1765504E-01	F4	3.9166265E-01	G1	7.2038308E-01	G3 4.5143577E-01 G5 3.1886464E-01
(4D+,4F+)	F0	1.2973193E+00	F2	6.0688082E-01	F4	3.8445724E-01	G1	7.0882879E-01	G3 4.4380101E-01 G5 3.1336935E-01
(4D+,5S+)	F0	8.8340456E-01	G2	9.1387301E-02					
(4D+,5P-)	F0	7.9748371E-01	G3	6.2385086E-02					
(4D+,5P+)	F0	7.4381449E-01	F2	1.9304630E-01	G1	5.1304386E-02	G3	4.9975169E-02	
(4D+,6S+)	F0	2.9672232E-01	G2	5.5850603E-03					
(4F-,4F-)	F0	1.1588325E+00	F2	5.3303970E-01	F4	3.3129335E-01			
(4F-,4F+)	F0	1.1447252E+00	F2	5.2531574E-01	F4	3.2628883E-01	G2	5.2392614E-01	G4 3.2546974E-01 G6 2.3327988E-01
(4F-,5S+)	F0	8.2609289E-01	G3	1.5542722E-01					
(4F-,5P-)	F0	7.5309292E-01	G2	1.4825359E-01					
(4F-,5P+)	F0	7.0674602E-01	F2	2.3297536E-01	G2	1.2445090E-01	G4	9.4122691E-02	
(4F-,6S+)	F0	2.9286808E-01	G3	9.4007192E-03					
(4F+,4F+)	F0	1.1309461E+00	F2	5.1788195E-01	F4	3.2148650E-01	F6	2.3036502E-01	
(4F+,5S+)	F0	8.2019942E-01	G3	1.5807274E-01					
(4F+,5P-)	F0	7.4834462E-01	G4	1.1336359E-01					
(4F+,5P+)	F0	7.0266988E-01	F2	2.3483566E-01	G2	1.2829260E-01	G4	9.6482062E-02	
(4F+,6S+)	F0	2.9240622E-01	G3	1.0022678E-02					
(5S+,5S+)	F0	7.1728471E-01							
(5S+,5P-)	F0	6.7160856E-01	G1	4.5753023E-01					
(5S+,5P+)	F0	6.4051580E-01	G1	4.1390567E-01					
(5S+,6S+)	F0	2.8605331E-01	G0	9.6295931E-03					
(5P-,5P-)	F0	6.3431635E-01							
(5P-,5P+)	F0	6.0854325E-01	G2	3.1996718E-01					
(5P-,6S+)	F0	2.8335394E-01	G1	1.6432667E-02					
(5P+,5P+)	F0	5.8621002E-01	F2	3.1241732E-01					
(5P+,6S+)	F0	2.8142192E-01	G1	2.1256304E-02					
(6S+,6S+)	F0	2.2151743E-01							

THULIUM 4F13 Z=69

(1S+,1S+)	F0	4.7373851E+01		
(1S+,2S+)	F0	1.5443505E+01	G0	1.7589872E+00
(1S+,2P-)	F0	1.8061936E+01	G1	3.1292677E+00
(1S+,2P+)	F0	1.6025861E+01	G1	2.7698310E+00
(1S+,3S+)	F0	6.1984609E+00	G0	3.4420447E-01
(1S+,3P-)	F0	6.6723860E+00	G1	5.9873731E-01
(1S+,3P+)	F0	6.1316701E+00	G1	5.6556101E-01
(1S+,3D-)	F0	6.1092268E+00	G2	2.4932066E-02
(1S+,3D+)	F0	5.9479984E+00	G2	2.6452646E-02
(1S+,4S+)	F0	2.7343774E+00	G0	8.1539563E-02
(1S+,4P-)	F0	2.7620286E+00	G1	1.3433149E-01
(1S+,4P+)	F0	2.5577558E+00	G1	1.2611602E-01

TABLE 1.– CONTINUED

THULIUM 4F13 Z=69

(1S+,4D-)	F0	2.3563576E+00	G2	5.6483439E-03			
(1S+,4D+)	F0	2.2990035E+00	G2	5.9660209E-03			
(1S+,4F-)	F0	1.7017396E+00	G3	1.1956267E-05			
(1S+,4F+)	F0	1.6667056E+00	G3	1.3218433E-05			
(1S+,5S+)	F0	1.0560489E+00	G0	1.2921404E-02			
(1S+,5P-)	F0	9.4137689E-01	G1	1.6907334E-02			
(1S+,5P+)	F0	8.5976747E-01	G1	1.4943143E-02			
(1S+,6S+)	F0	3.1183581E-01	G0	9.4397133E-04			
(2S+,2S+)	F0	1.0738694E+01					
(2S+,2P-)	F0	1.1606169E+01	G1	6.1236882E+00			
(2S+,2P+)	F0	1.1125579E+01	G1	6.3023812E+00			
(2S+,3S+)	F0	5.2899709E+00	G0	4.5038084E-01			
(2S+,3P-)	F0	5.5614975E+00	G1	4.3716714E-01			
(2S+,3P+)	F0	5.2587976E+00	G1	3.8936414E-01			
(2S+,3D-)	F0	5.8584292E+00	G2	1.3596150E+00			
(2S+,3D+)	F0	5.7330798E+00	G2	1.3055830E+00			
(2S+,4S+)	F0	2.5181768E+00	G0	9.1419505E-02			
(2S+,4P-)	F0	2.5151574E+00	G1	8.8564761E-02			
(2S+,4P+)	F0	2.3663834E+00	G1	7.6818111E-02			
(2S+,4D-)	F0	2.3042262E+00	G2	2.2882349E-01			
(2S+,4D+)	F0	2.2546358E+00	G2	2.2041927E-01			
(2S+,4F-)	F0	1.7010447E+00	G3	8.7428021E-03			
(2S+,4F+)	F0	1.6661012E+00	G3	8.3320212E-03			
(2S+,5S+)	F0	1.0217481E+00	G0	1.4057889E-02			
(2S+,5P-)	F0	9.1035252E-01	G1	1.0945947E-02			
(2S+,5P+)	F0	8.3715701E-01	G1	8.9136862E-03			
(2S+,6S+)	F0	3.0932960E-01	G0	1.0231657E-03			
(2P-,2P-)	F0	1.3038550E+01					
(2P-,2P+)	F0	1.2337790E+01	G2	5.4857167E+00			
(2P-,3S+)	F0	5.4382467E+00	G1	5.2034421E-01			
(2P-,3P-)	F0	5.7758729E+00	G0	5.9494491E-01			
(2P-,3P+)	F0	5.4511667E+00	G2	5.4785450E-01			
(2P-,3D-)	F0	5.9477926E+00	G1	1.3753151E+00			
(2P-,3D+)	F0	5.8114110E+00	G3	7.2767655E-01			
(2P-,4S+)	F0	2.5528455E+00	G1	1.1050671E-01			
(2P-,4P-)	F0	2.5618221E+00	G0	1.1495467E-01			
(2P-,4P+)	F0	2.4078061E+00	G2	1.1109291E-01			
(2P-,4D-)	F0	2.3224097E+00	G1	2.3998590E-01			
(2P-,4D+)	F0	2.2705007E+00	G3	1.2945795E-01			
(2P-,4F-)	F0	1.7013383E+00	G2	6.7790661E-03			
(2P-,4F+)	F0	1.6663584E+00	G4	4.0626646E-03			
(2P-,5S+)	F0	1.0272291E+00	G1	1.7137226E-02			
(2P-,5P-)	F0	9.1619470E-01	G0	1.4086418E-02			
(2P-,5P+)	F0	8.4203541E-01	G2	1.2945026E-02			
(2P-,5S+)	F0	3.0972989E-01	G1	1.2485878E-03			
(2P+,2P+)	F0	1.1759229E+01	F2	5.5879600E+00			
(2P+,3S+)	F0	5.3535453E+00	G1	5.1078295E-01			
(2P+,3P-)	F0	5.6664311E+00	G2	5.6821989E-01			
(2P+,3P+)	F0	5.3575068E+00	F2	1.3048959E+00	G0	5.1786291E-01	G2 5.6177564E-01
(2P+,3D-)	F0	5.9020259E+00	F2	1.7548850E+00	G1	1.5553576E+00	G3 8.9442846E-01
(2P+,3D+)	F0	5.7709616E+00	F2	1.6685612E+00	G1	1.5221521E+00	G3 8.7573057E-01
(2P+,4S+)	F0	2.5329281E+00	G1	1.0706747E-01			
(2P+,4P-)	F0	2.5378016E+00	G2	1.1551653E-01			
(2P+,4P+)	F0	2.3875254E+00	F2	2.8305086E-01	G0	9.7781407E-02	G2 1.1346912E-01
(2P+,4D-)	F0	2.3133059E+00	F2	3.0488989E-01	G1	2.5979161E-01	G3 1.5354342E-01

TABLE 1.– CONTINUED

THULIUM 4F13 Z=69

(2P+,4D+)	F0	2.2624947E+00	F2	2.8865392E-01	G1	2.5580934E-01	G3	1.5104180E-01
(2P+,4F-)	F0	1.7011519E+00	F2	8.2226514E-02	G2	9.2104416E-03	G4	5.9384132E-03
(2P+,4F+)	F0	1.6661933E+00	F2	7.8200965E-02	G2	8.8962489E-03	G4	5.7286579E-03
(2P+,5S+)	F0	1.0240765E+00	G1	1.6563960E-02				
(2P+,5P-)	F0	9.1318282E-01	G2	1.4283817E-02				
(2P+,5P+)	F0	8.3964447E-01	F2	3.4083575E-02	G0	1.1255637E-02	G2	1.3212693E-02
(2P+,6S+)	F0	3.0949962E-01	G1	1.2064628E-03				
(3S+,3S+)	F0	4.0695755E+00						
(3S+,3P-)	F0	4.1641257E+00	G1	2.6414290E+00				
(3S+,3P+)	F0	4.0369244E+00	G1	2.6344220E+00				
(3S+,3D-)	F0	4.2640755E+00	G2	1.7195349E+00				
(3S+,3D+)	F0	4.2263397E+00	G2	1.7382772E+00				
(3S+,4S+)	F0	2.2594035E+00	G0	1.5706095E-01				
(3S+,4P-)	F0	2.2395981E+00	G1	1.6441184E-01				
(3S+,4P+)	F0	2.1244770E+00	G1	1.6666544E-01				
(3S+,4D-)	F0	2.0600321E+00	G2	1.1186942E-01				
(3S+,4D+)	F0	2.0242385E+00	G2	1.0658805E-01				
(3S+,4F-)	F0	1.6697876E+00	G3	1.9544072E-01				
(3S+,4F+)	F0	1.6370864E+00	G3	1.8681369E-01				
(3S+,5S+)	F0	9.8133849E-01	G0	2.0934586E-02				
(3S+,5P-)	F0	8.7621965E-01	G1	1.8162515E-02				
(3S+,5P+)	F0	8.0893202E-01	G1	1.7321253E-02				
(3S+,6S+)	F0	3.0638261E-01	G0	1.4987872E-03				
(3P-,3P-)	F0	4.2809255E+00						
(3P-,3P+)	F0	4.1375817E+00	G2	2.0239808E+00				
(3P-,3D-)	F0	4.3886066E+00	G1	2.3972634E+00				
(3P-,3D+)	F0	4.3460773E+00	G3	1.5510913E+00				
(3P-,4S+)	F0	2.2778860E+00	G1	2.0167493E-01				
(3P-,4P-)	F0	2.2608461E+00	G0	1.7037579E-01				
(3P-,4P+)	F0	2.1431538E+00	G2	1.8508395E-01				
(3P-,4D-)	F0	2.0765426E+00	G1	1.1391703E-01				
(3P-,4D+)	F0	2.0401431E+00	G3	1.1651057E-01				
(3P-,4F-)	F0	1.6732931E+00	G2	2.2569668E-01				
(3P-,4F+)	F0	1.6403549E+00	G4	1.4132957E-01				
(3P-,5S+)	F0	9.8419635E-01	G1	2.7732760E-02				
(3P-,5P-)	F0	8.7882746E-01	G0	1.8432841E-02				
(3P-,5P+)	F0	8.1109450E-01	G2	1.9835616E-02				
(3P-,6S+)	F0	3.0659078E-01	G1	1.9924458E-03				
(3P+,3P+)	F0	4.0115836E+00	F2	2.0055832E+00				
(3P+,3D-)	F0	4.2295357E+00	F2	2.0053378E+00	G1	2.1582281E+00	G3	1.4223277E+00
(3P+,3D+)	F0	4.1919092E+00	F2	2.0085524E+00	G1	2.1892027E+00	G3	1.4425394E+00
(3P+,4S+)	F0	2.2542027E+00	G1	2.0129569E-01				
(3P+,4P-)	F0	2.2361252E+00	G2	1.9580738E-01				
(3P+,4P+)	F0	2.1213512E+00	F2	5.9189254E-01	G0	1.5458689E-01	G2	1.8216806E-01
(3P+,4D-)	F0	2.0560498E+00	F2	5.4453695E-01	G1	1.2110976E-01	G3	1.2526554E-01
(3P+,4D+)	F0	2.0203480E+00	F2	5.2647007E-01	G1	1.1394772E-01	G3	1.2007331E-01
(3P+,4F-)	F0	1.6667561E+00	F2	4.4019033E-01	G2	2.5712769E-01	G4	1.6985680E-01
(3P+,4F+)	F0	1.6342166E+00	F2	4.2379385E-01	G2	2.4661099E-01	G4	1.6296787E-01
(3P+,5S+)	F0	9.8055283E-01	G1	2.7224541E-02				
(3P+,5P-)	F0	8.7580590E-01	G2	2.1920710E-02				
(3P+,5P+)	F0	8.0858334E-01	F2	7.7531208E-02	G0	1.5763054E-02	G2	1.9434943E-02
(3P+,6S+)	F0	3.0632553E-01	G1	1.9525877E-03				
(3D-,3D-)	F0	4.5929685E+00	F2	2.3193427E+00				
(3D-,3D+)	F0	4.5428594E+00	F2	2.3005819E+00	G2	2.2570863E+00	G4	1.4564621E+00
(3D-,4S+)	F0	2.2968858E+00	G2	1.8928872E-01				

TABLE 1.– CONTINUED

THULIUM 4F13 Z=69

(3D-,4P-)	F0	2.2792121E+00	G1	1.8920981E-01							
(3D-,4P+)	F0	2.1596126E+00	F2	5.3749130E-01	G1	1.6938204E-01	G3	1.6684616E-01			
(3D-,4D-)	F0	2.1044166E+00	F2	5.2134309E-01	G0	1.6455186E-01	G2	2.0005498E-01			
(3D-,4D+)	F0	2.0672748E+00	F2	5.0531906E-01	G2	1.9213701E-01	G4	1.4889511E-01			
(3D-,4F-)	F0	1.6774637E+00	F2	3.6867563E-01	G1	2.6655823E-01	G3	1.5617269E-01			
(3D-,4F+)	F0	1.6442122E+00	F2	3.5426232E-01	G3	1.4781681E-01	G5	1.0214234E-01			
(3D-,5S+)	F0	9.8711906E-01	G2	2.6345450E-02							
(3D-,5P-)	F0	8.8106024E-01	G1	2.0759872E-02							
(3D-,5P+)	F0	8.1298760E-01	F2	6.9210362E-02	G1	1.7772647E-02	G3	1.8118207E-02			
(3D-,6S+)	F0	3.0680354E-01	G2	1.8960873E-03							
(3D+,3D+)	F0	4.4948479E+00	F2	2.2842188E+00	F4	1.4679156E+00					
(3D+,4S+)	F0	2.2894167E+00	G2	1.9231957E-01							
(3D+,4P-)	F0	2.2713897E+00	G3	1.8935599E-01							
(3D+,4P+)	F0	2.1526822E+00	F2	5.4626939E-01	G1	1.7320483E-01	G3	1.6948210E-01			
(3D+,4D-)	F0	2.0973083E+00	F2	5.2796431E-01	G2	1.9583484E-01	G4	1.5332232E-01			
(3D+,4D+)	F0	2.0604914E+00	F2	5.1172851E-01	F4	2.4239512E-01	G0	1.5830417E-01	G2	1.9469232E-01	G4 1.5162296E-01
(3D+,4F-)	F0	1.6758446E+00	F2	3.7880134E-01	F4	1.7935676E-01	G1	2.7515539E-01	G3	1.6143404E-01	G5 1.1155516E-01
(3D+,4F+)	F0	1.6426952E+00	F2	3.6409567E-01	F4	1.7113470E-01	G1	2.6480249E-01	G3	1.5537021E-01	G5 1.0736762E-01
(3D+,5S+)	F0	9.8596345E-01	G2	2.6569799E-02							
(3D+,5P-)	F0	8.8009905E-01	G3	2.1503155E-02							
(3D+,5P+)	F0	8.1218485E-01	F2	7.0529010E-02	G1	1.7795789E-02	G3	1.8356684E-02			
(3D+,6S+)	F0	3.0671935E-01	G2	1.9111443E-03							
(4S+,4S+)	F0	1.8013715E+00									
(4S+,4P-)	F0	1.7871324E+00	G1	1.2099058E+00							
(4S+,4P+)	F0	1.7298119E+00	G1	1.1635761E+00							
(4S+,4D-)	F0	1.6872538E+00	G2	8.3144400E-01							
(4S+,4D+)	F0	1.6681442E+00	G2	8.1846981E-01							
(4S+,4F-)	F0	1.4281274E+00	G3	4.6099605E-01							
(4S+,4F+)	F0	1.4063677E+00	G3	4.5038235E-01							
(4S+,5S+)	F0	9.1735240E-01	G0	4.5855448E-02							
(4S+,5P-)	F0	8.2567141E-01	G1	4.6206599E-02							
(4S+,5P+)	F0	7.6670141E-01	G1	4.6734438E-02							
(4S+,6S+)	F0	3.0175827E-01	G0	3.0119515E-03							
(4P-,4P-)	F0	1.7738370E+00									
(4P-,4P+)	F0	1.7174442E+00	G2	8.8212606E-01							
(4P-,4D-)	F0	1.6755707E+00	G1	1.0837893E+00							
(4P-,4D+)	F0	1.6567817E+00	G3	6.6383663E-01							
(4P-,4F-)	F0	1.4191077E+00	G2	5.6885029E-01							
(4P-,4F+)	F0	1.3976335E+00	G4	3.8195173E-01							
(4P-,5S+)	F0	9.1571377E-01	G1	6.2354832E-02							
(4P-,5P-)	F0	8.2450628E-01	G0	3.8712906E-02							
(4P-,5P+)	F0	7.6568448E-01	G2	4.4356121E-02							
(4P-,6S+)	F0	3.0164168E-01	G1	4.1369590E-03							
(4P+,4P+)	F0	1.6675055E+00	F2	8.7047335E-01							
(4P+,4D-)	F0	1.6282146E+00	F2	8.3288275E-01	G1	1.0516517E+00	G3	6.6001391E-01			
(4P+,4D+)	F0	1.6112854E+00	F2	8.2419879E-01	G1	1.0449725E+00	G3	6.5451907E-01			
(4P+,4F-)	F0	1.3857055E+00	F2	6.5475941E-01	G2	5.5871705E-01	G4	3.8599061E-01			
(4P+,4F+)	F0	1.3654222E+00	F2	6.4202131E-01	G2	5.4789985E-01	G4	3.7825696E-01			
(4P+,5S+)	F0	9.0862896E-01	G1	6.6591435E-02							
(4P+,5P-)	F0	8.1699647E-01	G2	5.0323046E-02							
(4P+,5P+)	F0	7.6103964E-01	F2	1.8149537E-01	G0	3.4379774E-02	G2	4.3714585E-02			
(4P+,6S+)	F0	3.0113497E-01	G1	4.3174620E-03							
(4D-,4D-)	F0	1.5933903E+00	F2	8.0596901E-01							
(4D-,4D+)	F0	1.5772806E+00	F2	7.9809045E-01	G2	7.9596468E-01	G4	5.3204184E-01			
(4D-,4F-)	F0	1.3597762E+00	F2	6.3785385E-01	G1	7.4578962E-01	G3	4.6725227E-01			

TABLE 1.– CONTINUED

THULIUM 4F13 Z=69

(4D-,4F+)	F0	1.3402530E+00	F2	6.2598628E-01	G3	4.5711777E-01	G5	3.2273232E-01		
(4D-,5S+)	F0	9.0276665E-01	G2	8.8169566E-02						
(4D-,5P-)	F0	8.1461621E-01	G1	6.3423115E-02						
(4D-,5P+)	F0	7.5738436E-01	F2	1.9116672E-01	G1	4.9717881E-02	G3	4.8597694E-02		
(4D-,6S+)	F0	3.0072385E-01	G2	5.3877673E-03						
(4D+,4D+)	F0	1.5617427E+00	F2	7.9106176E-01	F4	5.2859438E-01				
(4D+,4F-)	F0	1.3484029E+00	F2	6.3382389E-01	F4	4.0201952E-01	G1	7.3854465E-01	G3	4.6318182E-01	G5	3.2725686E-01
(4D+,4F+)	F0	1.3292613E+00	F2	6.2232248E-01	F4	3.9433762E-01	G1	7.2629012E-01	G3	4.5506741E-01	G5	3.2141190E-01
(4D+,5S+)	F0	9.0022054E-01	G2	9.2777316E-02						
(4D+,5P-)	F0	8.1266835E-01	G3	6.3367633E-02						
(4D+,5P+)	F0	7.5575948E-01	F2	1.9504757E-01	G1	5.1641647E-02	G3	5.0303722E-02		
(4D+,6S+)	F0	3.0054388E-01	G2	5.5858384E-03						
(4F-,4F-)	F0	1.1918444E+00	F2	5.4871113E-01	F4	3.4113550E-01				
(4F-,4F+)	F0	1.1766103E+00	F2	5.4035134E-01	F4	3.3571654E-01	G2	5.3884279E-01	G4	3.3482744E-01	G6	2.4001379E-01
(4F-,5S+)	F0	8.4342863E-01	G3	1.5670617E-01						
(4F-,5P-)	F0	7.6868336E-01	G2	1.4927101E-01						
(4F-,5P+)	F0	7.1931571E-01	F2	2.3483046E-01	G2	1.2428938E-01	G4	9.4120080E-02		
(4F-,6S+)	F0	2.9678723E-01	G3	9.3087413E-03						
(4F+,4F+)	F0	1.1617464E+00	F2	5.3231847E-01	F4	3.3352537E-01	F6	2.3886501E-01		
(4F+,5S+)	F0	8.3714894E-01	G3	1.5955905E-01						
(4F+,5P-)	F0	7.6362333E-01	G4	1.1439542E-01						
(4F+,5P+)	F0	7.1499953E-01	F2	2.3635164E-01	G2	1.2839351E-01	G4	9.6643556E-02		
(4F+,6S+)	F0	2.9630134E-01	G3	9.9631820E-03						
(5S+,5S+)	F0	7.3066706E-01								
(5S+,5P-)	F0	6.8414634E-01	G1	4.6612716E-01						
(5S+,5P+)	F0	6.5115574E-01	G1	4.1987772E-01						
(5S+,6S+)	F0	2.8983188E-01	G0	9.6839850E-03						
(5P-,5P-)	F0	6.4614159E-01								
(5P-,5P+)	F0	6.1877283E-01	G2	3.2486392E-01						
(5P-,6S+)	F0	2.8712514E-01	G1	1.6533834E-02						
(5P+,5P+)	F0	5.9518761E-01	F2	3.1703588E-01						
(5P+,6S+)	F0	2.8510325E-01	G1	2.1644905E-02						
(6S+,6S+)	F0	2.2434978E-01								

YTTERBIUM 4F14 Z=70

(1S+,1S+)	F0	4.8234778E+01		
(1S+,2S+)	F0	1.5748056E+01	G0	1.8035035E+00
(1S+,2P-)	F0	1.8432096E+01	G1	3.1848436E+00
(1S+,2P+)	F0	1.6288767E+01	G1	2.8084616E+00
(1S+,3S+)	F0	6.3274920E+00	G0	3.5421597E-01
(1S+,3P-)	F0	6.8175365E+00	G1	6.1185951E-01
(1S+,3P+)	F0	6.2474492E+00	G1	5.7713099E-01
(1S+,3D-)	F0	6.2284941E+00	G2	2.5394099E-02
(1S+,3D+)	F0	6.0590506E+00	G2	2.7013999E-02
(1S+,4S+)	F0	2.7928302E+00	G0	8.4106836E-02
(1S+,4P-)	F0	2.8242428E+00	G1	1.3768520E-01
(1S+,4P+)	F0	2.6081350E+00	G1	1.2899052E-01
(1S+,4D-)	F0	2.4068188E+00	G2	5.7822718E-03
(1S+,4D+)	F0	2.3461995E+00	G2	6.1212975E-03
(1S+,4F-)	F0	1.7472140E+00	G3	1.2630937E-05
(1S+,4F+)	F0	1.7095887E+00	G3	1.4010400E-05

TABLE 1.– CONTINUED

YTTERBIUM 4F14 Z=70

(1S+,5S+)	F0	1.0755892E+00	G0	1.3249205E-02			
(1S+,5P-)	F0	9.5881018E-01	G1	1.7187900E-02			
(1S+,5P+)	F0	8.7248493E-01	G1	1.5107069E-02			
(1S+,6S+)	F0	3.1554362E-01	G0	9.5372158E-04			
(2S+,2S+)	F0	1.0941313E+01					
(2S+,2P-)	F0	1.1829422E+01	G1	6.2273496E+00			
(2S+,2P+)	F0	1.1322486E+01	G1	6.4145974E+00			
(2S+,3S+)	F0	5.3950359E+00	G0	4.6140047E-01			
(2S+,3P-)	F0	5.6755515E+00	G1	4.4727583E-01			
(2S+,3P+)	F0	5.3570902E+00	G1	3.9731102E-01			
(2S+,3D-)	F0	5.9720635E+00	G2	1.3859940E+00			
(2S+,3D+)	F0	5.8403723E+00	G2	1.3294762E+00			
(2S+,4S+)	F0	2.5703636E+00	G0	9.3847822E-02			
(2S+,4P-)	F0	2.5696564E+00	G1	9.0860619E-02			
(2S+,4P+)	F0	2.4124988E+00	G1	7.8470859E-02			
(2S+,4D-)	F0	2.3532603E+00	G2	2.3409467E-01			
(2S+,4D+)	F0	2.3008600E+00	G2	2.2522491E-01			
(2S+,4F-)	F0	1.7464806E+00	G3	9.1867368E-03			
(2S+,4F+)	F0	1.7089540E+00	G3	8.7386008E-03			
(2S+,5S+)	F0	1.0405021E+00	G0	1.4345227E-02			
(2S+,5P-)	F0	9.2707635E-01	G1	1.1137573E-02			
(2S+,5P+)	F0	8.4963806E-01	G1	8.9988447E-03			
(2S+,6S+)	F0	3.1301754E-01	G0	1.0287943E-03			
(2P-,2P-)	F0	1.3297486E+01					
(2P-,2P+)	F0	1.2557804E+01	G2	5.5697252E+00			
(2P-,3S+)	F0	5.5475589E+00	G1	5.3154171E-01			
(2P-,3P-)	F0	5.8962922E+00	G0	6.1040553E-01			
(2P-,3P+)	F0	5.5544516E+00	G2	5.5917100E-01			
(2P-,3D-)	F0	6.0637614E+00	G1	1.4010647E+00			
(2P-,3D+)	F0	5.9204150E+00	G3	7.3942021E-01			
(2P-,4S+)	F0	2.6061146E+00	G1	1.1311984E-01			
(2P-,4P-)	F0	2.6178513E+00	G0	1.1824358E-01			
(2P-,4P+)	F0	2.4550872E+00	G2	1.1357682E-01			
(2P-,4D-)	F0	2.3720052E+00	G1	2.4547933E-01			
(2P-,4D+)	F0	2.3171402E+00	G3	1.3204795E-01			
(2P-,4F-)	F0	1.7467917E+00	G2	7.1100491E-03			
(2P-,4F+)	F0	1.7092252E+00	G4	4.2494141E-03			
(2P-,5S+)	F0	1.0461209E+00	G1	1.7437792E-02			
(2P-,5P-)	F0	9.3306088E-01	G0	1.4370147E-02			
(2P-,5P+)	F0	8.5459572E-01	G2	1.3080525E-02			
(2P-,6S+)	F0	3.1342188E-01	G1	1.2518755E-03			
(2P+,2P+)	F0	1.1950998E+01	F2	5.6787602E+00			
(2P+,3S+)	F0	5.4577973E+00	G1	5.2159011E-01			
(2P+,3P-)	F0	5.7802013E+00	G2	5.8078627E-01			
(2P+,3P+)	F0	5.4556029E+00	F2	1.3314812E+00	G0	5.2878637E-01	G2 5.7366442E-01
(2P+,3D-)	F0	6.0153773E+00	F2	1.7941536E+00	G1	1.5906635E+00	G3 9.1479385E-01
(2P+,3D+)	F0	5.8778158E+00	F2	1.7034168E+00	G1	1.5560812E+00	G3 8.9532531E-01
(2P+,4S+)	F0	2.5849543E+00	G1	1.0950069E-01			
(2P+,4P-)	F0	2.5922927E+00	G2	1.1832773E-01			
(2P+,4P+)	F0	2.4336378E+00	F2	2.8945380E-01	G0	9.9963558E-02	G2 1.1605218E-01
(2P+,4D-)	F0	2.3623384E+00	F2	3.1286624E-01	G1	2.6632552E-01	G3 1.5746000E-01
(2P+,4D+)	F0	2.3086751E+00	F2	2.9567235E-01	G1	2.6214641E-01	G3 1.5483056E-01
(2P+,4F-)	F0	1.7465881E+00	F2	8.5849750E-02	G2	9.7524977E-03	G4 6.2884827E-03
(2P+,4F+)	F0	1.7090457E+00	F2	8.1473845E-02	G2	9.3951762E-03	G4 6.0572755E-03
(2P+,5S+)	F0	1.0427913E+00	G1	1.6837678E-02			

TABLE 1.– CONTINUED

YTTERBIUM 4F14 Z=70

(2P+,5P-)	F0	9.2988222E-01	G2	1.4510032E-02				
(2P+,5P+)	F0	8.5209627E-01	F2	3.4471608E-02	G0	1.1372354E-02	G2	1.3356063E-02
(2P+,6S+)	F0	3.1318225E-01	G1	1.2084233E-03				
(3S+,3S+)	F0	4.1496464E+00						
(3S+,3P-)	F0	4.2475965E+00	G1	2.6911292E+00				
(3S+,3P+)	F0	4.1136653E+00	G1	2.6835807E+00				
(3S+,3D-)	F0	4.3477760E+00	G2	1.7520872E+00				
(3S+,3D+)	F0	4.3080889E+00	G2	1.7717848E+00				
(3S+,4S+)	F0	2.3055511E+00	G0	1.6060271E-01				
(3S+,4P-)	F0	2.2871498E+00	G1	1.6795669E-01				
(3S+,4P+)	F0	2.1656412E+00	G1	1.7028949E-01				
(3S+,4D-)	F0	2.1034858E+00	G2	1.1448184E-01				
(3S+,4D+)	F0	2.0656886E+00	G2	1.0887647E-01				
(3S+,4F-)	F0	1.7138213E+00	G3	2.0334534E-01				
(3S+,4F+)	F0	1.6787269E+00	G3	1.9401637E-01				
(3S+,5S+)	F0	9.9939126E-01	G0	2.1283217E-02				
(3S+,5P-)	F0	8.9236684E-01	G1	1.8402618E-02				
(3S+,5P+)	F0	8.2116643E-01	G1	1.7495064E-02				
(3S+,6S+)	F0	3.1006331E-01	G0	1.5016935E-03				
(3P-,3P-)	F0	4.3687043E+00						
(3P-,3P+)	F0	4.2175663E+00	G2	2.0598543E+00				
(3P-,3D-)	F0	4.4766157E+00	G1	2.4451601E+00				
(3P-,3D+)	F0	4.4318259E+00	G3	1.5818935E+00				
(3P-,4S+)	F0	2.3247432E+00	G1	2.0594061E-01				
(3P-,4P-)	F0	2.3092401E+00	G0	1.7451049E-01				
(3P-,4P+)	F0	2.1849690E+00	G2	1.8885004E-01				
(3P-,4D-)	F0	2.1206281E+00	G1	1.1645014E-01				
(3P-,4D+)	F0	2.0821781E+00	G3	1.1899172E-01				
(3P-,4F-)	F0	1.7175591E+00	G2	2.3449199E-01				
(3P-,4F+)	F0	1.6822027E+00	G4	1.4655461E-01				
(3P-,5S+)	F0	1.0023414E+00	G1	2.8156360E-02				
(3P-,5P-)	F0	8.9505595E-01	G0	1.8728601E-02				
(3P-,5P+)	F0	8.2337862E-01	G2	2.0009748E-02				
(3P-,6S+)	F0	3.1027507E-01	G1	1.9935393E-03				
(3P+,3P+)	F0	4.0852742E+00	F2	2.0415908E+00				
(3P+,3D-)	F0	4.3092733E+00	F2	2.0417062E+00	G1	2.1932919E+00	G3	1.4463608E+00
(3P+,3D+)	F0	4.2697985E+00	F2	2.0451952E+00	G1	2.2260241E+00	G3	1.4677470E+00
(3P+,4S+)	F0	2.2997349E+00	G1	2.0559189E-01				
(3P+,4P-)	F0	2.2830868E+00	G2	2.0032810E-01				
(3P+,4P+)	F0	2.1620993E+00	F2	6.0366810E-01	G0	1.5774776E-01	G2	1.8573377E-01
(3P+,4D-)	F0	2.0989895E+00	F2	5.5742806E-01	G1	1.2427858E-01	G3	1.2835503E-01
(3P+,4D+)	F0	2.0613040E+00	F2	5.3830164E-01	G1	1.1657844E-01	G3	1.2279133E-01
(3P+,4F-)	F0	1.7105173E+00	F2	4.5593538E-01	G2	2.6805676E-01	G4	1.7712110E-01
(3P+,4F+)	F0	1.6756070E+00	F2	4.3826322E-01	G2	2.5666565E-01	G4	1.6965723E-01
(3P+,5S+)	F0	9.9851646E-01	G1	2.7629291E-02				
(3P+,5P-)	F0	8.9188520E-01	G2	2.2232734E-02				
(3P+,5P+)	F0	8.2076446E-01	F2	7.8307835E-02	G0	1.5903585E-02	G2	1.9588672E-02
(3P+,6S+)	F0	3.1000068E-01	G1	1.9527886E-03				
(3D-,3D-)	F0	4.6831742E+00	F2	2.3654014E+00				
(3D-,3D+)	F0	4.6305033E+00	F2	2.3456829E+00	G2	2.3102749E+00	G4	1.4844389E+00
(3D-,4S+)	F0	2.3438137E+00	G2	1.9316520E-01				
(3D-,4P-)	F0	2.3276548E+00	G1	1.9341286E-01				
(3D-,4P+)	F0	2.2014244E+00	F2	5.4766136E-01	G1	1.7246926E-01	G3	1.6988391E-01
(3D-,4D-)	F0	2.1488944E+00	F2	5.3322417E-01	G0	1.6817979E-01	G2	2.0458383E-01
(3D-,4D+)	F0	2.1096687E+00	F2	5.1627825E-01	G2	1.9618176E-01	G4	1.5206544E-01

TABLE 1.– CONTINUED

YTTERBIUM 4F14 Z=70

(3D-,4F-)	F0 1.7218760E+00	F2 3.8155623E-01	G1 2.7725701E-01	G3 1.6248191E-01					
(3D-,4F+)	F0 1.6861829E+00	F2 3.6602071E-01	G3 1.5344429E-01	G5 1.0604400E-01					
(3D-,5S+)	F0 1.0052571E+00	G2 2.6729610E-02							
(3D-,5P-)	F0 8.9727561E-01	G1 2.1045373E-02							
(3D-,5P+)	F0 8.2524935E-01	F2 6.9806204E-02	G1 1.7894562E-02	G3 1.8240320E-02					
(3D-,6S+)	F0 3.1048420E-01	G2 1.8957931E-03							
(3D+,3D+)	F0 4.5801061E+00	F2 2.3285650E+00	F4 1.4966629E+00						
(3D+,4S+)	F0 2.3359358E+00	G2 1.9602837E-01							
(3D+,4P-)	F0 2.3193888E+00	G3 1.9364908E-01							
(3D+,4P+)	F0 2.1941323E+00	F2 5.5687315E-01	G1 1.7331652E-01	G3 1.7264476E-01					
(3D+,4D-)	F0 2.1413928E+00	F2 5.4019446E-01	G2 2.0011956E-01	G4 1.5676224E-01					
(3D+,4D+)	F0 2.1025224E+00	F2 5.2301982E-01	F4 2.4789149E-01	G0 1.6155894E-01	G2 1.9888996E-01	G4 1.5495185E-01			
(3D+,4F-)	F0 1.7201355E+00	F2 3.9232236E-01	F4 1.8639284E-01	G1 2.8639019E-01	G3 1.6807692E-01	G5 1.1616008E-01			
(3D+,4F+)	F0 1.6845563E+00	F2 3.7646356E-01	F4 1.7750739E-01	G1 2.7519042E-01	G3 1.6151461E-01	G5 1.1162761E-01			
(3D+,5S+)	F0 1.0040453E+00	G2 2.6963223E-02							
(3D+,5P-)	F0 8.9626815E-01	G3 2.1806307E-02							
(3D+,5P+)	F0 8.2441439E-01	F2 7.1178500E-02	G1 1.7917686E-02	G3 1.8487704E-02					
(3D+,6S+)	F0 3.1039722E-01	G2 1.9112504E-03							
(4S+,4S+)	F0 1.8381353E+00								
(4S+,4P-)	F0 1.8244494E+00	G1 1.2345966E+00							
(4S+,4P+)	F0 1.7639351E+00	G1 1.1856440E+00							
(4S+,4D-)	F0 1.7224321E+00	G2 8.4861357E-01							
(4S+,4D+)	F0 1.7022657E+00	G2 8.3497480E-01							
(4S+,4F-)	F0 1.4633913E+00	G3 4.7335140E-01							
(4S+,4F+)	F0 1.4400888E+00	G3 4.6203955E-01							
(4S+,5S+)	F0 9.3446242E-01	G0 4.6579521E-02							
(4S+,5P-)	F0 8.4109507E-01	G1 4.6764677E-02							
(4S+,5P+)	F0 7.7865482E-01	G1 4.7249840E-02							
(4S+,6S+)	F0 3.0543913E-01	G0 3.0176767E-03							
(4P-,4P-)	F0 1.8117072E+00								
(4P-,4P+)	F0 1.7520691E+00	G2 8.9871298E-01							
(4P-,4D-)	F0 1.7111911E+00	G1 1.1064272E+00							
(4P-,4D+)	F0 1.6913333E+00	G3 6.7722611E-01							
(4P-,4F-)	F0 1.4545817E+00	G2 5.8391816E-01							
(4P-,4F+)	F0 1.4315669E+00	G4 3.9185721E-01							
(4P-,5S+)	F0 9.3290320E-01	G1 6.3272541E-02							
(4P-,5P-)	F0 8.3999542E-01	G0 3.9282150E-02							
(4P-,5P+)	F0 7.7769831E-01	G2 4.4767048E-02							
(4P-,6S+)	F0 3.0532982E-01	G1 4.1408126E-03							
(4P+,4P+)	F0 1.6994730E+00	F2 8.8691826E-01							
(4P+,4D-)	F0 1.6611179E+00	F2 8.4950572E-01	G1 1.0723123E+00	G3 6.7298891E-01					
(4P+,4D+)	F0 1.6432900E+00	F2 8.4042468E-01	G1 1.0652860E+00	G3 6.6732803E-01					
(4P+,4F-)	F0 1.4188933E+00	F2 6.7126812E-01	G2 5.7249799E-01	G4 3.9575196E-01					
(4P+,4F+)	F0 1.3972020E+00	F2 6.5769906E-01	G2 5.6103367E-01	G4 3.8754356E-01					
(4P+,5S+)	F0 9.2546274E-01	G1 6.7765117E-02							
(4P+,5P-)	F0 8.3421252E-01	G2 5.1128502E-02							
(4P+,5P+)	F0 7.7285862E-01	F2 1.8353583E-01	G0 3.4699987E-02	G2 4.4085578E-02					
(4P+,6S+)	F0 3.0480538E-01	G1 4.3308433E-03							
(4D-,4D-)	F0 1.6271683E+00	F2 8.2282855E-01							
(4D-,4D+)	F0 1.6101440E+00	F2 8.1449895E-01	G2 8.1222897E-01	G4 5.4291146E-01					
(4D-,4F-)	F0 1.3933464E+00	F2 6.5411044E-01	G1 7.6426234E-01	G3 4.7915645E-01					
(4D-,4F+)	F0 1.3724284E+00	F2 6.4143267E-01	G3 4.6835519E-01	G5 3.3074287E-01					
(4D-,5S+)	F0 9.1975130E-01	G2 8.9378646E-02							
(4D-,5P-)	F0 8.2995128E-01	G1 6.4365469E-02							
(4D-,5P+)	F0 7.6933137E-01	F2 1.9297056E-01	G1 4.9998649E-02	G3 4.8866738E-02					

TABLE 1.– CONTINUED

YTTERBIUM 4F14 Z=70

(4D-,6S+)	F0	3.0441083E-01	G2	5.3911918E-03								
(4D+,4D+)	F0	1.5937441E+00	F2	8.0709581E-01	F4	5.3929741E-01						
(4D+,4F-)	F0	1.3812116E+00	F2	6.4971501E-01	F4	4.1218088E-01	G1	7.5634820E-01	G3	4.7468925E-01	G5	3.3547663E-01
(4D+,4F+)	F0	1.3607175E+00	F2	6.3744432E-01	F4	4.0399509E-01	G1	7.4335118E-01	G3	4.6606670E-01	G5	3.2926134E-01
(4D+,5S+)	F0	9.1707826E-01	G2	9.4220131E-02								
(4D+,5P-)	F0	8.2790704E-01	G3	6.4383430E-02								
(4D+,5P+)	F0	7.6763905E-01	F2	1.9703907E-01	G1	5.1984919E-02	G3	5.0636038E-02				
(4D+,6S+)	F0	3.0422461E-01	G2	5.5971797E-03								
(4F-,4F-)	F0	1.2243561E+00	F2	5.6409947E-01	F4	3.5079193E-01						
(4F-,4F+)	F0	1.2079298E+00	F2	5.5506644E-01	F4	3.4493414E-01	G2	5.5343408E-01	G4	3.4397226E-01	G6	2.4659223E-01
(4F-,5S+)	F0	8.6068215E-01	G3	1.5808687E-01								
(4F-,5P-)	F0	7.8422849E-01	G2	1.5342963E-01								
(4F-,5P+)	F0	7.3173637E-01	F2	2.3670460E-01	G2	1.2423134E-01	G4	9.4179677E-02				
(4F-,6S+)	F0	3.0054937E-01	G3	9.2391172E-03								
(4F+,4F+)	F0	1.1919204E+00	F2	5.4640104E-01	F4	3.3933244E-01	F6	2.4319567E-01				
(4F+,5S+)	F0	8.5399024E-01	G3	1.6115389E-01								
(4F+,5P-)	F0	7.7883520E-01	G4	1.1552218E-01								
(4F+,5P+)	F0	7.2716545E-01	F2	2.3889257E-01	G2	1.2360898E-01	G4	9.6873902E-02				
(4F+,6S+)	F0	3.0003718E-01	G3	9.9275615E-03								
(5S+,5S+)	F0	7.4409923E-01										
(5S+,5P-)	F0	6.9673939E-01	G1	4.7476100E-01								
(5S+,5P+)	F0	6.6177833E-01	G1	4.2577519E-01								
(5S+,6S+)	F0	2.9345516E-01	G0	9.7471575E-03								
(5P-,5P-)	F0	6.5802624E-01										
(5P-,5P+)	F0	6.2899959E-01	G2	3.2973235E-01								
(5P-,6S+)	F0	2.9073804E-01	G1	1.6642613E-02								
(5P+,5P+)	F0	6.0412676E-01	F2	3.2163902E-01								
(5P+,6S+)	F0	2.8862195E-01	G1	2.2045051E-02								
(6S+,6S+)	F0	2.2689087E-01										

LUTETIUM 5D1 Z=71

(1S+,1S+)	F0	4.9105253E+01		
(1S+,2S+)	F0	1.6056270E+01	G0	1.8489852E+00
(1S+,2P-)	F0	1.8807276E+01	G1	3.2404294E+00
(1S+,2P+)	F0	1.6552100E+01	G1	2.8465096E+00
(1S+,3S+)	F0	6.4574685E+00	G0	3.6440186E-01
(1S+,3P-)	F0	6.9637822E+00	G1	6.2489734E-01
(1S+,3P+)	F0	6.3631046E+00	G1	5.8856221E-01
(1S+,3D-)	F0	6.3473994E+00	G2	2.5830177E-02
(1S+,3D+)	F0	6.1694815E+00	G2	2.7552671E-02
(1S+,4S+)	F0	2.8536342E+00	G0	8.6851854E-02
(1S+,4P-)	F0	2.8894955E+00	G1	1.4129465E-01
(1S+,4P+)	F0	2.6616394E+00	G1	1.3217386E-01
(1S+,4D-)	F0	2.4623189E+00	G2	5.9378085E-03
(1S+,4D+)	F0	2.3986273E+00	G2	6.3034456E-03
(1S+,4F-)	F0	1.8426861E+00	G3	1.3990474E-05
(1S+,4F+)	F0	1.8098318E+00	G3	1.5687618E-05
(1S+,5S+)	F0	1.1104378E+00	G0	1.4048826E-02
(1S+,5P-)	F0	9.9805268E-01	G1	1.8421059E-02
(1S+,5P+)	F0	9.0844027E-01	G1	1.6274496E-02
(1S+,5D-)	F0	4.7241859E-01	G2	1.9257620E-04

TABLE 1.– CONTINUED

LUTETIUM 5D1 Z=71

(1S+,6S+)	F0	3.4028152E-01	G0	1.1373068E-03			
(2S+,2S+)	F0	1.1145885E+01					
(2S+,2P-)	F0	1.2054984E+01	G1	6.3315194E+00			
(2S+,2P+)	F0	1.1520472E+01	G1	6.5275575E+00			
(2S+,3S+)	F0	5.5007346E+00	G0	4.7255029E-01			
(2S+,3P-)	F0	5.7902689E+00	G1	4.5741660E-01			
(2S+,3P+)	F0	5.4554054E+00	G1	4.0526698E-01			
(2S+,3D-)	F0	6.0854529E+00	G2	1.4117039E+00			
(2S+,3D+)	F0	5.9472057E+00	G2	1.3526435E+00			
(2S+,4S+)	F0	2.6244674E+00	G0	9.6451738E-02			
(2S+,4P-)	F0	2.6265740E+00	G1	9.3344824E-02			
(2S+,4P+)	F0	2.4612581E+00	G1	8.0324290E-02			
(2S+,4D-)	F0	2.4071000E+00	G2	2.4036217E-01			
(2S+,4D+)	F0	2.3521158E+00	G2	2.3106974E-01			
(2S+,4F-)	F0	1.8418741E+00	G3	1.0124899E-02			
(2S+,4F+)	F0	1.8091277E+00	G3	9.6843163E-03			
(2S+,5S+)	F0	1.0733218E+00	G0	1.5135042E-02			
(2S+,5P-)	F0	9.6382497E-01	G1	1.1947097E-02			
(2S+,5P+)	F0	8.8383915E-01	G1	9.6801067E-03			
(2S+,5D-)	F0	4.7064741E-01	G2	7.5011042E-03			
(2S+,6S+)	F0	3.3727632E-01	G0	1.2204231E-03			
(2P-,2P-)	F0	1.3559396E+01					
(2P-,2P+)	F0	1.2778956E+01	G2	5.6533712E+00			
(2P-,3S+)	F0	5.6575695E+00	G1	5.4277817E-01			
(2P-,3P-)	F0	6.0174695E+00	G0	6.2606350E-01			
(2P-,3P+)	F0	5.6577837E+00	G2	5.7045425E-01			
(2P-,3D-)	F0	6.1794554E+00	G1	1.4260939E+00			
(2P-,3D+)	F0	6.0289109E+00	G3	7.5067112E-01			
(2P-,4S+)	F0	2.6613742E+00	G1	1.1591871E-01			
(2P-,4P-)	F0	2.6764191E+00	G0	1.2180932E-01			
(2P-,4P+)	F0	2.5051310E+00	G2	1.1634872E-01			
(2P-,4D-)	F0	2.4264914E+00	G1	2.5201107E-01			
(2P-,4D+)	F0	2.3688863E+00	G3	1.3522736E-01			
(2P-,4F-)	F0	1.8422199E+00	G2	7.8220449E-03			
(2P-,4F+)	F0	1.8094298E+00	G4	4.6967899E-03			
(2P-,5S+)	F0	1.0792781E+00	G1	1.8345190E-02			
(2P-,5P-)	F0	9.7028876E-01	G0	1.5455063E-02			
(2P-,5P+)	F0	8.8920800E-01	G2	1.4083535E-02			
(2P-,5D-)	F0	4.7126762E-01	G1	7.9043195E-03			
(2P-,6S+)	F0	3.3775836E-01	G1	1.4808959E-03			
(2P+,2P+)	F0	1.2142883E+01	F2	5.7695368E+00			
(2P+,3S+)	F0	5.5625060E+00	G1	5.3244005E-01			
(2P+,3P-)	F0	5.8944112E+00	G2	5.9339355E-01			
(2P+,3P+)	F0	5.5535432E+00	F2	1.3579833E+00	G0	5.3970181E-01	G2 5.8552419E-01
(2P+,3D-)	F0	6.1283596E+00	F2	1.8331991E+00	G1	1.6255960E+00	G3 9.3493656E-01
(2P+,3D+)	F0	5.9840994E+00	F2	1.7379146E+00	G1	1.5896017E+00	G3 9.1467786E-01
(2P+,4S+)	F0	2.6388755E+00	G1	1.1210911E-01			
(2P+,4P-)	F0	2.6491933E+00	G2	1.2137660E-01			
(2P+,4P+)	F0	2.4824076E+00	F2	2.9653333E-01	G0	1.0240095E-01	G2 1.1893013E-01
(2P+,4D-)	F0	2.4161921E+00	F2	3.2217498E-01	G1	2.7403579E-01	G3 1.6207314E-01
(2P+,4D+)	F0	2.3599022E+00	F2	3.0403599E-01	G1	2.6975093E-01	G3 1.5936858E-01
(2P+,4F-)	F0	1.8419866E+00	F2	9.3687922E-02	G2	1.0833930E-02	G4 6.9864791E-03
(2P+,4F+)	F0	1.8092236E+00	F2	8.9346125E-02	G2	1.0498901E-02	G4 6.7695015E-03
(2P+,5S+)	F0	1.0756428E+00	G1	1.7695797E-02			
(2P+,5P-)	F0	9.6675256E-01	G2	1.5539346E-02			

TABLE 1.– CONTINUED

LUTETIUM 5D1 Z=71

(2P+,5P+)	F0	8.8642441E-01	F2	3.7060278E-02	G0	1.2241532E-02	G2	1.4385342E-02
(2P+,5D-)	F0	4.7093909E-01	F2	1.0545941E-02	G1	8.5464247E-03	G3	5.0732331E-03
(2P+,6S+)	F0	3.3746412E-01	G1	1.4279925E-03				
(3S+,3S+)	F0	4.2301066E+00						
(3S+,3P-)	F0	4.3314605E+00	G1	2.7409937E+00				
(3S+,3P+)	F0	4.1905147E+00	G1	2.7327896E+00				
(3S+,3D-)	F0	4.4315753E+00	G2	1.7849447E+00				
(3S+,3D+)	F0	4.3898609E+00	G2	1.8056081E+00				
(3S+,4S+)	F0	2.3531474E+00	G0	1.6439469E-01				
(3S+,4P-)	F0	2.3365028E+00	G1	1.7181851E-01				
(3S+,4P+)	F0	2.2088200E+00	G1	1.7435672E-01				
(3S+,4D-)	F0	2.1506285E+00	G2	1.1757045E-01				
(3S+,4D+)	F0	2.1110488E+00	G2	1.1166070E-01				
(3S+,4F-)	F0	1.8060740E+00	G3	2.2178896E-01				
(3S+,4F+)	F0	1.7758474E+00	G3	2.1278067E-01				
(3S+,5S+)	F0	1.0300713E+00	G0	2.2346671E-02				
(3S+,5P-)	F0	9.2660863E-01	G1	1.9635889E-02				
(3S+,5P+)	F0	8.5323312E-01	G1	1.8804359E-02				
(3S+,5D-)	F0	4.6267319E-01	G2	3.6128632E-03				
(3S+,6S+)	F0	3.3378134E-01	G0	1.7711333E-03				
(3P-,3P-)	F0	4.4568884E+00						
(3P-,3P+)	F0	4.2976244E+00	G2	2.0955470E+00				
(3P-,3D-)	F0	4.5646895E+00	G1	2.4934350E+00				
(3P-,3D+)	F0	4.5175509E+00	G3	1.6128089E+00				
(3P-,4S+)	F0	2.3730819E+00	G1	2.1051725E-01				
(3P-,4P-)	F0	2.3594841E+00	G0	1.7898913E-01				
(3P-,4P+)	F0	2.2288459E+00	G2	1.9307726E-01				
(3P-,4D-)	F0	2.1684809E+00	G1	1.1948510E-01				
(3P-,4D+)	F0	2.1282038E+00	G3	1.2203525E-01				
(3P-,4F-)	F0	1.8102492E+00	G2	2.5541942E-01				
(3P-,4F+)	F0	1.7797482E+00	G4	1.6050740E-01				
(3P-,5S+)	F0	1.0332174E+00	G1	2.9529579E-02				
(3P-,5P-)	F0	9.2952971E-01	G0	2.0034821E-02				
(3P-,5P+)	F0	8.5564241E-01	G2	2.1486258E-02				
(3P-,5D-)	F0	4.6322123E-01	G1	3.5282613E-03				
(3P-,6S+)	F0	3.3403526E-01	G1	2.3490271E-03				
(3P+,3P+)	F0	4.1588171E+00	F2	2.0775056E+00				
(3P+,3D-)	F0	4.3887791E+00	F2	2.0779542E+00	G1	2.2283010E+00	G3	1.4703208E+00
(3P+,3D+)	F0	4.3473965E+00	F2	2.0817246E+00	G1	2.2628426E+00	G3	1.4929167E+00
(3P+,4S+)	F0	2.3466517E+00	G1	2.1020674E-01				
(3P+,4P-)	F0	2.3317830E+00	G2	2.0524698E-01				
(3P+,4P+)	F0	2.2046255E+00	F2	6.1653160E-01	G0	1.6127507E-01	G2	1.8973816E-01
(3P+,4D-)	F0	2.1455508E+00	F2	5.7216115E-01	G1	1.2799289E-01	G3	1.3200528E-01
(3P+,4D+)	F0	2.1061041E+00	F2	5.5206276E-01	G1	1.1975007E-01	G3	1.2608450E-01
(3P+,4F-)	F0	1.8022944E+00	F2	4.9275898E-01	G2	2.9292539E-01	G4	1.9361928E-01
(3P+,4F+)	F0	1.7722612E+00	F2	4.7617832E-01	G2	2.8206568E-01	G4	1.8651370E-01
(3P+,5S+)	F0	1.0290670E+00	G1	2.8962206E-02				
(3P+,5P-)	F0	9.2602305E-01	G2	2.3749669E-02				
(3P+,5P+)	F0	8.5274384E-01	F2	8.3584678E-02	G0	1.7067415E-02	G2	2.1013833E-02
(3P+,5D-)	F0	4.6251621E-01	F2	2.1848562E-02	G1	3.8614805E-03	G3	4.0046582E-03
(3P+,6S+)	F0	3.3370049E-01	G1	2.2994684E-03				
(3D-,3D-)	F0	4.7730168E+00	F2	2.4112161E+00				
(3D-,3D+)	F0	4.7177030E+00	F2	2.3905092E+00	G2	2.3531295E+00	G4	1.5121926E+00
(3D-,4S+)	F0	2.3921918E+00	G2	1.9736176E-01				
(3D-,4P-)	F0	2.3779173E+00	G1	1.9800001E-01				

TABLE 1.– CONTINUED

LUTETIUM 501 Z=71

(3D-,4P+)	F0	2.2452829E+00	F2	5.5888646E-01	G1	1.7596277E-01	G3	1.7333029E-01			
(3D-,4D-)	F0	2.1972094E+00	F2	5.4698733E-01	G0	1.7251774E-01	G2	2.0999624E-01			
(3D-,4D+)	F0	2.1561326E+00	F2	5.2921665E-01	G2	2.0113825E-01	G4	1.5594880E-01			
(3D-,4F-)	F0	1.8149249E+00	F2	4.1225154E-01	G1	3.0239089E-01	G3	1.7727918E-01			
(3D-,4F+)	F0	1.7840772E+00	F2	3.9752972E-01	G3	1.6826824E-01	G5	1.1630953E-01			
(3D-,5S+)	F0	1.0362163E+00	G2	2.8020680E-02							
(3D-,5P-)	F0	9.3184845E-01	G1	2.2467172E-02							
(3D-,5P+)	F0	8.5760612E-01	F2	7.4486362E-02	G1	1.9173382E-02	G3	1.9550532E-02			
(3D-,5D-)	F0	4.6410152E-01	F2	2.0117589E-02	G0	4.8802407E-03	G2	6.2062686E-03			
(3D-,6S+)	F0	3.3427711E-01	G2	2.2330690E-03							
(3D+,3D+)	F0	4.6648504E+00	F2	2.3726187E+00	F4	1.5252150E+00					
(3D+,4S+)	F0	2.3838766E+00	G2	2.0036732E-01							
(3D+,4P-)	F0	2.3691735E+00	G3	1.9833788E-01							
(3D+,4P+)	F0	2.2375977E+00	F2	5.6855607E-01	G1	1.7683657E-01	G3	1.7622617E-01			
(3D+,4D-)	F0	2.1892658E+00	F2	5.5432885E-01	G2	2.0525801E-01	G4	1.6087995E-01			
(3D+,4D+)	F0	2.1485752E+00	F2	5.3631264E-01	F4	2.5441082E-01	G0	1.6554607E-01	G2	2.0401629E-01	G4 1.5901239E-01
(3D+,4F-)	F0	1.8129624E+00	F2	4.2416532E-01	F4	2.0285188E-01	G1	3.1253892E-01	G3	1.8350485E-01	G5 1.2684549E-01
(3D+,4F+)	F0	1.7622346E+00	F2	4.0915043E-01	F4	1.9420467E-01	G1	3.0205641E-01	G3	1.7736297E-01	G5 1.2260342E-01
(3D+,5S+)	F0	1.0349030E+00	G2	2.8270930E-02							
(3D+,5P-)	F0	9.3073567E-01	G3	2.3296050E-02							
(3D+,5P+)	F0	8.5668114E-01	F2	7.5984163E-02	G1	1.9197140E-02	G3	1.9822965E-02			
(3D+,5D-)	F0	4.6385579E-01	F2	2.0488090E-02	G2	6.0548158E-03	G4	4.8239332E-03			
(3D+,6S+)	F0	3.3417111E-01	G2	2.2515876E-03							
(4S+,4S+)	F0	1.8762836E+00									
(4S+,4P-)	F0	1.8633310E+00	G1	1.2603642E+00							
(4S+,4P+)	F0	1.7997321E+00	G1	1.2089221E+00							
(4S+,4D-)	F0	1.7602810E+00	G2	8.6758357E-01							
(4S+,4D+)	F0	1.7392075E+00	G2	8.5344865E-01							
(4S+,4F-)	F0	1.5346633E+00	G3	5.0513699E-01							
(4S+,4F+)	F0	1.5158371E+00	G3	4.9600671E-01							
(4S+,5S+)	F0	9.6206117E-01	G0	4.8652024E-02							
(4S+,5P-)	F0	8.7188101E-01	G1	4.9563114E-02							
(4S+,5P+)	F0	8.0772236E-01	G1	5.0485546E-02							
(4S+,5D-)	F0	4.5130062E-01	G2	1.2494259E-02							
(4S+,6S+)	F0	3.2833712E-01	G0	3.5252362E-03							
(4P-,4P-)	F0	1.6513221E+00									
(4P-,4P+)	F0	1.7885202E+00	G2	9.1630589E-01							
(4P-,4D-)	F0	1.7496183E+00	G1	1.1312544E+00							
(4P-,4D+)	F0	1.7288318E+00	G3	5.9229641E-01							
(4P-,4F-)	F0	1.5258174E+00	G2	6.2230989E-01							
(4P-,4F+)	F0	1.5072262E+00	G4	4.2068987E-01							
(4P-,5S+)	F0	9.6055793E-01	G1	6.6014391E-02							
(4P-,5P-)	F0	8.7081206E-01	G0	4.1717560E-02							
(4P-,5P+)	F0	8.0678505E-01	G2	4.7817429E-02							
(4P-,5D-)	F0	4.5106705E-01	G1	1.4011866E-02							
(4P-,6S+)	F0	3.2821885E-01	G1	4.8359620E-03							
(4P+,4P+)	F0	1.7333497E+00	F2	9.0450867E-01							
(4P+,4D-)	F0	1.6968099E+00	F2	3.6782716E-01	G1	1.0946428E+00	G3	6.8739441E-01			
(4P+,4D+)	F0	1.6782166E+00	F2	8.5846478E-01	G1	1.0876883E+00	G3	6.8170422E-01			
(4P+,4F-)	F0	1.4861925E+00	F2	7.1116583E-01	G2	6.0787059E-01	G4	4.2100094E-01			
(4P+,4F+)	F0	1.4688597E+00	F2	7.0054456E-01	G2	5.9928579E-01	G4	4.1475547E-01			
(4P+,5S+)	F0	9.5253426E-01	G1	7.0794035E-02							
(4P+,5P-)	F0	8.6445827E-01	G2	5.4390950E-02							
(4P+,5P+)	F0	8.0145123E-01	F2	1.9392803E-01	G0	3.6986374E-02	G2	4.7030807E-02			
(4P+,5D-)	F0	4.4972858E-01	F2	5.6418154E-02	G1	1.1746869E-02	G3	1.0296987E-02			

TABLE 1.– CONTINUED

LUTETIUM 5D1 Z=71

(4P+,6S+)	F0 3.2758348E-01	G1 5.0559551E-03						
(4D-,4D-)	F0 1.6645627E+00	F2 8.4188881E-01						
(4D-,4D+)	F0 1.6467214E+00	F2 8.3317414E-01	G2 8.3074110E-01	G4 5.5548531E-01				
(4D-,4F-)	F0 1.4606741E+00	F2 6.9289932E-01	G1 8.0961163E-01	G3 5.0917925E-01				
(4D-,4F+)	F0 1.4439654E+00	F2 6.8304361E-01	G3 5.0053798E-01	G5 3.5390467E-01				
(4D-,5S+)	F0 9.4695777E-01	G2 9.2553304E-02						
(4D-,5P-)	F0 8.6022314E-01	G1 6.7885447E-02						
(4D-,5P+)	F0 7.9793526E-01	F2 2.0310440E-01	G1 5.2881694E-02	G3 5.1795321E-02				
(4D-,5D-)	F0 4.4898905E-01	F2 6.0176044E-02	G0 1.1250135E-02	G2 1.3148380E-02				
(4D-,6S+)	F0 3.2715123E-01	G2 6.2429236E-03						
(4D+,4D+)	F0 1.6295525E+00	F2 8.2545976E-01	F4 5.5176447E-01					
(4D+,4F-)	F0 1.4473124E+00	F2 6.8771791E-01	F4 4.3757964E-01	G1 8.0014794E-01	G3 5.0384005E-01	G5 3.5653443E-01		
(4D+,4F+)	F0 1.4309990E+00	F2 6.7827627E-01	F4 4.3130160E-01	G1 7.9999756E-01	G3 4.9760970E-01	G5 3.5200343E-01		
(4D+,5S+)	F0 9.4409967E-01	G2 9.7643512E-02						
(4D+,5P-)	F0 8.5799490E-01	G3 6.8102557E-02						
(4D+,5P+)	F0 7.9608471E-01	F2 2.0743217E-01	G1 5.4960019E-02	G3 5.3672688E-02				
(4D+,5D-)	F0 4.4853726E-01	F2 6.1712999E-02	G2 1.3180950E-02	G4 1.0850688E-02				
(4D+,6S+)	F0 3.2692752E-01	G2 6.4815137E-03						
(4F-,4F-)	F0 1.3096660E+00	F2 6.1246646E-01	F4 3.8243498E-01					
(4F-,4F+)	F0 1.2962502E+00	F2 6.0524079E-01	F4 3.7774502E-01	G2 6.0333371E-01	G4 3.7661304E-01	G6 2.7042118E-01		
(4F-,5S+)	F0 8.9767886E-01	G3 1.5819094E-01						
(4F-,5P-)	F0 8.2177143E-01	G2 1.4912164E-01						
(4F-,5P+)	F0 7.6646587E-01	F2 2.4470811E-01	G2 1.2147977E-01	G4 9.3825240E-02				
(4F-,5D-)	F0 4.4157576E-01	F2 8.3677866E-02	G1 3.9281968E-02	G3 2.9809827E-02				
(4F-,6S+)	F0 3.2360804E-01	G3 9.2983659E-03						
(4F+,4F+)	F0 1.2831370E+00	F2 5.9830474E-01	F4 3.7326145E-01	F6 2.6795627E-01				
(4F+,5S+)	F0 8.9305982E-01	G3 1.6176502E-01						
(4F+,5P-)	F0 8.1808559E-01	G4 1.1652332E-01						
(4F+,5P+)	F0 7.6339619E-01	F2 2.4738771E-01	G2 1.2578487E-01	G4 9.6589561E-02				
(4F+,5D-)	F0 4.4079518E-01	F2 8.5521165E-02	G3 3.1305283E-02	G5 2.3210290E-02				
(4F+,6S+)	F0 3.2326613E-01	G3 9.6841949E-03						
(5S+,5S+)	F0 7.6717817E-01							
(5S+,5P-)	F0 7.2153032E-01	G1 4.9315917E-01						
(5S+,5P+)	F0 6.8577963E-01	G1 4.4280664E-01						
(5S+,5D-)	F0 4.2383592E-01	G2 1.0569885E-01						
(5S+,6S+)	F0 3.1455612E-01	G0 1.1045398E-02						
(5P-,5P-)	F0 6.8381138E-01							
(5P-,5P+)	F0 6.5384838E-01	G2 3.4345631E-01						
(5P-,5D-)	F0 4.1553198E-01	G1 1.6894806E-01						
(5P-,6S+)	F0 3.1163517E-01	G1 1.8418055E-02						
(5P+,5P+)	F0 6.2820711E-01	F2 3.3549328E-01						
(5P+,5D-)	F0 4.0849463E-01	F2 1.6897801E-01	G1 1.8899470E-01	G3 1.1366402E-01				
(5P+,6S+)	F0 3.0923825E-01	G1 2.4139303E-02						
(5D-,6S+)	F0 2.6734426E-01	G2 9.7324969E-02						
(6S+,6S+)	F0 2.4429696E-01							

HAFNIUM 5D2 Z=72

(1S+,1S+)	F0 4.9985224E+01	
(1S+,2S+)	F0 1.6368393E+01	G0 1.8954965E+00
(1S+,2P-)	F0 1.9187916E+01	G1 3.2961605E+00
(1S+,2P+)	F0 1.6816123E+01	G1 2.8840994E+00

TABLE 1.– CONTINUED

HAFNIUM 5D2 Z=72

(1S+,3S+)	F0	6.5887240E+00	G0	3.7480271E-01
(1S+,3P-)	F0	7.1116044E+00	G1	6.3793505E-01
(1S+,3P+)	F0	6.4790316E+00	G1	5.9993620E-01
(1S+,3D-)	F0	6.4664617E+00	G2	2.6248004E-02
(1S+,3D+)	F0	6.2797855E+00	G2	2.8077002E-02
(1S+,4S+)	F0	2.9156997E+00	G0	8.9707341E-02
(1S+,4P-)	F0	2.9563119E+00	G1	1.4501231E-01
(1S+,4P+)	F0	2.7163856E+00	G1	1.3547339E-01
(1S+,4D-)	F0	2.5195567E+00	G2	6.0986137E-03
(1S+,4D+)	F0	2.4527639E+00	G2	6.4935599E-03
(1S+,4F-)	F0	1.9321055E+00	G3	1.5361911E-05
(1S+,4F+)	F0	1.9006441E+00	G3	1.7365606E-05
(1S+,5S+)	F0	1.1475245E+00	G0	1.4941700E-02
(1S+,5P-)	F0	1.0391309E+00	G1	1.9766553E-02
(1S+,5P+)	F0	9.4540103E-01	G1	1.7525947E-02
(1S+,5D-)	F0	5.4273939E-01	G2	2.6043621E-04
(1S+,6S+)	F0	3.5880614E-01	G0	1.2780119E-03
(2S+,2S+)	F0	1.1352581E+01		
(2S+,2P-)	F0	1.2263087E+01	G1	6.4362317E+00
(2S+,2P+)	F0	1.1719719E+01	G1	6.6413164E+00
(2S+,3S+)	F0	5.6073071E+00	G0	4.8386891E-01
(2S+,3P-)	F0	5.9059801E+00	G1	4.6764102E-01
(2S+,3P+)	F0	5.5540371E+00	G1	4.1327275E-01
(2S+,3D-)	F0	6.1990574E+00	G2	1.4370031E+00
(2S+,3D+)	F0	6.0540236E+00	G2	1.3753373E+00
(2S+,4S+)	F0	2.6795810E+00	G0	9.9152771E-02
(2S+,4P-)	F0	2.6847022E+00	G1	9.5919108E-02
(2S+,4P+)	F0	2.5110753E+00	G1	8.2258963E-02
(2S+,4D-)	F0	2.4625967E+00	G2	2.4694840E-01
(2S+,4D+)	F0	2.4050239E+00	G2	2.3723611E-01
(2S+,4F-)	F0	1.9312141E+00	G3	1.1067126E-02
(2S+,4F+)	F0	1.8998716E+00	G3	1.0613538E-02
(2S+,5S+)	F0	1.1081445E+00	G0	1.6016086E-02
(2S+,5P-)	F0	1.0021614E+00	G1	1.2832247E-02
(2S+,5P+)	F0	9.1891899E-01	G1	1.0410497E-02
(2S+,5D-)	F0	5.4033456E-01	G2	1.0134044E-02
(2S+,6S+)	F0	3.5543721E-01	G0	1.3642220E-03
(2P-,2P-)	F0	1.3824623E+01		
(2P-,2P+)	F0	1.3001504E+01	G2	5.7367505E+00
(2P-,3S+)	F0	5.7685414E+00	G1	5.5409492E-01
(2P-,3P-)	F0	6.1397731E+00	G0	6.4198657E-01
(2P-,3P+)	F0	5.7614880E+00	G2	5.8176182E-01
(2P-,3D-)	F0	6.2953596E+00	G1	1.4506529E+00
(2P-,3D+)	F0	6.1373642E+00	G3	7.6156497E-01
(2P-,4S+)	F0	2.7176898E+00	G1	1.1880680E-01
(2P-,4P-)	F0	2.7362692E+00	G0	1.2552513E-01
(2P-,4P+)	F0	2.5562897E+00	G2	1.1923579E-01
(2P-,4D-)	F0	2.4626675E+00	G1	2.5886838E-01
(2P-,4D+)	F0	2.4223094E+00	G3	1.3857191E-01
(2P-,4F-)	F0	1.9315951E+00	G2	8.5346697E-03
(2P-,4F+)	F0	1.9002044E+00	G4	5.1336971E-03
(2P-,5S+)	F0	1.1144776E+00	G1	1.9356157E-02
(2P-,5P-)	F0	1.0091525E+00	G0	1.6645171E-02
(2P-,5P+)	F0	9.2473174E-01	G2	1.5139284E-02
(2P-,5D-)	F0	5.4117942E-01	G1	1.0679136E-02

TABLE 1.– CONTINUED

HAFNIUM 502 Z=72

(2P-,6S+)	F0	3.5597873E-01	G1	1.6506270E-03				
(2P+,2P+)	F0	1.2335115E+01	F2	5.8604153E+00				
(2P+,3S+)	F0	5.6679168E+00	G1	5.4337317E-01				
(2P+,3P-)	F0	6.0094027E+00	G2	6.0610625E-01				
(2P+,3P+)	F0	5.6516362E+00	F2	1.3845287E+00	G0	5.5065790E-01	G2	5.9741385E-01
(2P+,3D-)	F0	6.2414464E+00	F2	1.8722779E+00	G1	1.6534319E+00	G3	9.5501887E-01
(2P+,3D+)	F0	6.0902694E+00	F2	1.7722971E+00	G1	1.6229905E+00	G3	9.3395065E-01
(2P+,4S+)	F0	2.6937703E+00	G1	1.1479889E-01				
(2P+,4P-)	F0	2.7072683E+00	G2	1.2453368E-01				
(2P+,4P+)	F0	2.5322150E+00	F2	3.0388320E-01	G0	1.0494113E-01	G2	1.2192659E-01
(2P+,4D-)	F0	2.4716910E+00	F2	3.3196824E-01	G1	2.8215429E-01	G3	1.6692920E-01
(2P+,4D+)	F0	2.4127712E+00	F2	3.1286048E-01	G1	2.7779311E-01	G3	1.6416610E-01
(2P+,4F-)	F0	1.9313302E+00	F2	1.0145927E-01	G2	1.1939211E-02	G4	7.6999729E-03
(2P+,4F+)	F0	1.8999701E+00	F2	9.6950405E-02	G2	1.1605212E-02	G4	7.4835072E-03
(2P+,5S+)	F0	1.1104978E+00	G1	1.8651755E-02				
(2P+,5P-)	F0	1.0052144E+00	G2	1.6653490E-02				
(2P+,5P+)	F0	9.2163349E-01	F2	3.9828351E-02	G0	1.3173298E-02	G2	1.5489456E-02
(2P+,5D-)	F0	5.4071867E-01	F2	1.4204843E-02	G1	1.1569338E-02	G3	6.8709160E-03
(2P+,6S+)	F0	3.5563838E-01	G1	1.5899696E-03				
(3S+,3S+)	F0	4.3111468E+00						
(3S+,3P-)	F0	4.4159464E+00	G1	2.7911220E+00				
(3S+,3P+)	F0	4.2676857E+00	G1	2.7821581E+00				
(3S+,3D-)	F0	4.5157465E+00	G2	1.8181270E+00				
(3S+,3D+)	F0	4.4719242E+00	G2	1.8397722E+00				
(3S+,4S+)	F0	2.4015192E+00	G0	1.6830964E-01				
(3S+,4P-)	F0	2.3867650E+00	G1	1.7581783E-01				
(3S+,4P+)	F0	2.2528124E+00	G1	1.7861832E-01				
(3S+,4D-)	F0	2.1990444E+00	G2	1.2081123E-01				
(3S+,4D+)	F0	2.1577013E+00	G2	1.1460017E-01				
(3S+,4F-)	F0	1.8922772E+00	G3	2.4003920E-01				
(3S+,4F+)	F0	1.8636212E+00	G3	2.3089208E-01				
(3S+,5S+)	F0	1.0625050E+00	G0	2.3526840E-02				
(3S+,5P-)	F0	9.6220064E-01	G1	2.0975648E-02				
(3S+,5P+)	F0	8.8602542E-01	G1	2.0203792E-02				
(3S+,5D-)	F0	5.2955945E-01	G2	4.8800416E-03				
(3S+,6S+)	F0	3.5154089E-01	G0	1.9679644E-03				
(3P-,3P-)	F0	4.5457549E+00						
(3P-,3P+)	F0	4.3780099E+00	G2	2.1311575E+00				
(3P-,3D-)	F0	4.6531558E+00	G1	2.5421787E+00				
(3P-,3D+)	F0	4.6035735E+00	G3	1.6439238E+00				
(3P-,4S+)	F0	2.4222194E+00	G1	2.1523597E-01				
(3P-,4P-)	F0	2.4106696E+00	G0	1.8363363E-01				
(3P-,4P+)	F0	2.2735606E+00	G2	1.9748657E-01				
(3P-,4D-)	F0	2.2176424E+00	G1	1.2269290E-01				
(3P-,4D+)	F0	2.1755562E+00	G3	1.2526694E-01				
(3P-,4F-)	F0	1.8969004E+00	G2	2.7608178E-01				
(3P-,4F+)	F0	1.8679485E+00	G4	1.7393714E-01				
(3P-,5S+)	F0	1.0658684E+00	G1	3.1054675E-02				
(3P-,5P-)	F0	9.6537656E-01	G0	2.1455794E-02				
(3P-,5P+)	F0	8.8864745E-01	G2	2.3062111E-02				
(3P-,5D-)	F0	5.3030992E-01	G1	4.7557311E-03				
(3P-,6S+)	F0	3.5182767E-01	G1	2.6076875E-03				
(3P+,3P+)	F0	4.2324520E+00	F2	2.1134349E+00				
(3P+,3D-)	F0	4.4683563E+00	F2	2.1142003E+00	G1	2.2633008E+00	G3	1.4942585E+00
(3P+,3D+)	F0	4.4250018E+00	F2	2.1132614E+00	G1	2.2997118E+00	G3	1.5181053E+00

TABLE 1.– CONTINUED

HAFNIUM 5D2 Z=72

(3P+,4S+)	F0	2.3942874E+00	G1	2.1497399E-01						
(3P+,4P-)	F0	2.3813284E+00	G2	2.1035381E-01						
(3P+,4P+)	F0	2.2480068E+00	F2	6.2980254E-01	G0	1.6494524E-01	G2	1.9390764E-01		
(3P+,4D-)	F0	2.1933314E+00	F2	5.8752057E-01	G1	1.3190932E-01	G3	1.3585453E-01		
(3P+,4D+)	F0	2.1521448E+00	F2	5.6645153E-01	G1	1.2310396E-01	G3	1.2956970E-01		
(3P+,4F-)	F0	1.8879854E+00	F2	5.2851676E-01	G2	3.1765834E-01	G4	2.1004048E-01		
(3P+,4F+)	F0	1.8595414E+00	F2	5.1199021E-01	G2	3.0672886E-01	G4	2.0289634E-01		
(3P+,5S+)	F0	1.0613526E+00	G1	3.0442149E-02						
(3P+,5P-)	F0	9.6149424E-01	G2	2.5399928E-02						
(3P+,5P+)	F0	8.8543529E-01	F2	8.9168453E-02	G0	1.8305721E-02	G2	2.2532165E-02		
(3P+,5D-)	F0	5.2932737E-01	F2	2.8838482E-02	G1	5.2296060E-03	G3	5.4152279E-03		
(3P+,6S+)	F0	3.5144288E-01	G1	2.5509129E-03						
(3D-,3D-)	F0	4.8629112E+00	F2	2.4570145E+00						
(3D-,3D+)	F0	4.8048648E+00	F2	2.4352847E+00	G2	2.3958647E+00	G4	1.5398658E+00		
(3D-,4S+)	F0	2.4413265E+00	G2	2.0170996E-01						
(3D-,4P-)	F0	2.4290757E+00	G1	2.0276340E-01						
(3D-,4P+)	F0	2.2899441E+00	F2	5.7050487E-01	G1	1.7960628E-01	G3	1.7692660E-01		
(3D-,4D-)	F0	2.2468260E+00	F2	5.6139006E-01	G0	1.7710153E-01	G2	2.1571314E-01		
(3D-,4D+)	F0	2.2039199E+00	F2	5.4280341E-01	G2	2.0639439E-01	G4	1.6006637E-01		
(3D-,4F-)	F0	1.9019139E+00	F2	4.4208697E-01	G1	3.2734601E-01	G3	1.9198493E-01		
(3D-,4F+)	F0	1.8725959E+00	F2	4.2730436E-01	G3	1.8262217E-01	G5	1.2625440E-01		
(3D-,5S+)	F0	1.0689544E+00	G2	2.9457637E-02						
(3D-,5P-)	F0	9.6779523E-01	G1	2.4012603E-02						
(3D-,5P+)	F0	8.9070286E-01	F2	7.9445315E-02	G1	2.0533791E-02	G3	2.0946754E-02		
(3D-,5D-)	F0	5.3148509E-01	F2	2.6622197E-02	G0	6.5686954E-03	G2	8.3695314E-03		
(3D-,6S+)	F0	3.5209056E-01	G2	2.4783225E-03						
(3D+,3D+)	F0	4.7494795E+00	F2	2.4166015E+00	F4	1.5537188E+00				
(3D+,4S+)	F0	2.4325508E+00	G2	2.0486625E-01						
(3D+,4P-)	F0	2.4198273E+00	G3	2.0321008E-01						
(3D+,4P+)	F0	2.2818443E+00	F2	5.8065094E-01	G1	1.8050788E-01	G3	1.7996441E-01		
(3D+,4D-)	F0	2.2384112E+00	F2	5.6911875E-01	G2	2.1068300E-01	G4	1.6522739E-01		
(3D+,4D+)	F0	2.1959240E+00	F2	5.5026911E-01	F4	2.6134084E-01	G0	1.6977519E-01	G2	2.0945277E-01	G4	1.6331841E-01
(3D+,4F-)	F0	1.8997183E+00	F2	4.5516497E-01	F4	2.1911093E-01	G1	3.3853125E-01	G3	1.9885723E-01	G5	1.3748328E-01
(3D+,4F+)	F0	1.8705307E+00	F2	4.4009597E-01	F4	2.1027382E-01	G1	3.2812707E-01	G3	1.9276089E-01	G5	1.3327255E-01
(3D+,5S+)	F0	1.0675274E+00	G2	2.9726207E-02						
(3D+,5P-)	F0	9.6656491E-01	G3	2.4918101E-02						
(3D+,5P+)	F0	8.8967881E-01	F2	8.1078158E-02	G1	2.0557945E-02	G3	2.1246413E-02		
(3D+,5D-)	F0	5.3114286E-01	F2	2.7112479E-02	G2	8.1580022E-03	G4	6.5066384E-03		
(3D+,6S+)	F0	3.5196868E-01	G2	2.4992084E-03						
(4S+,4S+)	F0	1.9151202E+00								
(4S+,4P-)	F0	1.9029661E+00	G1	1.2866124E+00						
(4S+,4P+)	F0	1.8362304E+00	G1	1.2326358E+00						
(4S+,4D-)	F0	1.7990976E+00	G2	8.8712836E-01						
(4S+,4D+)	F0	1.7771343E+00	G2	8.7252328E-01						
(4S+,4F-)	F0	1.6004946E+00	G3	5.3465643E-01						
(4S+,4F+)	F0	1.5834170E+00	G3	5.2661828E-01						
(4S+,5S+)	F0	9.9108875E-01	G0	5.0909229E-02						
(4S+,5P-)	F0	9.0373349E-01	G1	5.2535461E-02						
(4S+,5P+)	F0	8.3734071E-01	G1	5.3856020E-02						
(4S+,5D-)	F0	5.1425523E-01	G2	1.6535712E-02						
(4S+,6S+)	F0	3.4550367E-01	G0	3.8780098E-03						
(4P-,4P-)	F0	1.8917594E+00								
(4P-,4P+)	F0	1.8257270E+00	G2	9.3422773E-01						
(4P-,4D-)	F0	1.7890702E+00	G1	1.1568064E+00						
(4P-,4D+)	F0	1.7673579E+00	G3	7.0788329E-01						

TABLE 1.– CONTINUED

HAFNIUM 502 Z=72

(4P-,4F-)	F0	1.5917491E+00	G2	6.5781800E-01						
(4P-,4F+)	F0	1.5746779E+00	G4	4.4673240E-01						
(4P-,5S+)	F0	9.8965076E-01	G1	6.8999347E-02						
(4P-,5P-)	F0	9.0270667E-01	G0	4.4308698E-02						
(4P-,5P+)	F0	8.3643347E-01	G2	5.1002469E-02						
(4P-,5D-)	F0	5.1397209E-01	G1	1.8543562E-02						
(4P-,6S+)	F0	3.4538437E-01	G1	5.3182733E-03						
(4P+,4P+)	F0	1.7679438E+00	F2	9.2250528E-01						
(4P+,4D-)	F0	1.7334483E+00	F2	8.8668209E-01	G1	1.1175270E+00	G3	7.0222857E-01		
(4P+,4D+)	F0	1.7141078E+00	F2	8.7706546E-01	G1	1.1107167E+00	G3	6.9655197E-01		
(4P+,4F-)	F0	1.5481660E+00	F2	7.4754140E-01	G2	6.3996013E-01	G4	4.4413545E-01		
(4P+,4F+)	F0	1.5325632E+00	F2	7.3841978E-01	G2	6.3292380E-01	G4	4.3893540E-01		
(4P+,5S+)	F0	9.8099003E-01	G1	7.4069964E-02						
(4P+,5P-)	F0	8.9573030E-01	G2	5.7866528E-02						
(4P+,5P+)	F0	8.3056869E-01	G0	3.9357796E-02	F2	2.0469412E-01	G2	5.0095370E-02		
(4P+,5D-)	F0	5.1212374E-01	F2	7.2280090E-02	G1	1.5452901E-02	G3	1.3671366E-02		
(4P+,6S+)	F0	3.4466045E-01	G1	5.5571797E-03						
(4D-,4D-)	F0	1.7031416E+00	F2	8.6163241E-01						
(4D-,4D+)	F0	1.6844885E+00	F2	8.5253992E-01	G2	8.4993150E-01	G4	5.6857181E-01		
(4D-,4F-)	F0	1.5231384E+00	F2	7.2856225E-01	G1	8.5057503E-01	G3	5.3673297E-01		
(4D-,4F+)	F0	1.5080701E+00	F2	7.2001641E-01	G3	5.2912576E-01	G5	3.7451149E-01		
(4D-,5S+)	F0	9.7558610E-01	G2	9.5924524E-02						
(4D-,5P-)	F0	8.9155998E-01	G1	7.1543051E-02						
(4D-,5P+)	F0	8.2710152E-01	F2	2.1352313E-01	G1	5.5822476E-02	G3	5.4800212E-02		
(4D-,5D-)	F0	5.1122013E-01	F2	7.6639110E-02	G0	1.4904573E-02	G2	1.7489925E-02		
(4D-,6S+)	F0	3.4421881E-01	G2	6.8068525E-03						
(4D+,4D+)	F0	1.6665568E+00	F2	8.4452412E-01	F4	5.6475992E-01				
(4D+,4F-)	F0	1.5085793E+00	F2	7.2256427E-01	F4	4.6394753E-01	G1	8.3943851E-01	G3	5.3045140E-01	G5	3.7588504E-01
(4D+,4F+)	F0	1.4939046E+00	F2	7.1444926E-01	F4	4.5560924E-01	G1	8.3235062E-01	G3	5.2549797E-01	G5	3.7225145E-01
(4D+,5S+)	F0	9.7253165E-01	G2	1.0125962E-01						
(4D+,5P-)	F0	8.8913615E-01	G3	7.1989579E-02						
(4D+,5P+)	F0	8.2508519E-01	F2	2.1810734E-01	G1	5.7979484E-02	G3	5.6779118E-02		
(4D+,5D-)	F0	5.1060074E-01	F2	7.8565041E-02	G2	1.7526360E-02	G4	1.4468453E-02		
(4D+,6S+)	F0	3.4396638E-01	G2	7.0665755E-03						
(4F-,4F-)	F0	1.3874240E+00	F2	6.5666921E-01	F4	4.1150953E-01				
(4F-,4F+)	F0	1.3750034E+00	F2	6.5010452E-01	F4	4.0725685E-01	G2	6.4790858E-01	G4	4.0594711E-01	G6	2.9189875E-01
(4F-,5S+)	F0	9.3309199E-01	G3	1.5750215E-01						
(4F-,5P-)	F0	8.5802514E-01	G2	1.4746599E-01						
(4F-,5P+)	F0	7.9973073E-01	F2	2.5219744E-01	G2	1.1864160E-01	G4	9.3248673E-02		
(4F-,5D-)	F0	5.0325329E-01	F2	1.0078687E-01	G1	4.3580898E-02	G3	3.4728407E-02		
(4F-,6S+)	F0	3.4099737E-01	G3	9.3485365E-03						
(4F+,4F+)	F0	1.3628490E+00	F2	6.4380587E-01	F4	4.0319629E-01	F6	2.8986979E-01		
(4F+,5S+)	F0	9.2923934E-01	G3	1.6124138E-01						
(4F+,5P-)	F0	8.5493562E-01	G4	1.1697260E-01						
(4F+,5P+)	F0	7.9717661E-01	F2	2.5503681E-01	G2	1.2276430E-01	G4	9.5960407E-02		
(4F+,5D-)	F0	5.0247602E-01	F2	1.0271521E-01	G3	3.6201813E-02	G5	2.7287533E-02		
(4F+,6S+)	F0	3.4070306E-01	G3	9.6248208E-03						
(5S+,5S+)	F0	7.9141620E-01								
(5S+,5P-)	F0	7.4722152E-01	G1	5.1195207E-01						
(5S+,5P+)	F0	7.1032574E-01	G1	4.5981607E-01						
(5S+,5D-)	F0	4.7829383E-01	G2	1.3388993E-01						
(5S+,6S+)	F0	3.3058904E-01	G0	1.1845871E-02						
(5P-,5P-)	F0	7.1033477E-01								
(5P-,5P+)	F0	6.7914893E-01	G2	3.5710219E-01						
(5P-,5D-)	F0	4.6831561E-01	G1	2.0873849E-01						

TABLE 1.– CONTINUED

HAFNIUM 5D2 Z=72

(5P-,6S+)	F0	3.2761569E-01	G1	1.9399203E-02		
(5P+,5P+)	F0	6.5251428E-01	F2	3.4920487E-01		
(5P+,5D-)	F0	4.5939310E-01	F2	2.0168086E-01	G1 2.3166773E-01	G3 1.4014858E-01
(5P+,6S+)	F0	3.2502768E-01	G1	2.5300529E-02		
(5D-,5D-)	F0	3.6847742E-01	F2	1.7697508E-01		
(5D-,6S+)	F0	2.9130626E-01	G2	9.7445508E-02		
(6S+,6S+)	F0	2.5708767E-01				

TANTALUM 5D3 Z=73

(1S+,1S+)	F0	5.0875504E+01		
(1S+,2S+)	F0	1.6684087E+01	G0	1.9431086E+00
(1S+,2P-)	F0	1.9574261E+01	G1	3.3520002E+00
(1S+,2P+)	F0	1.7080878E+01	G1	2.9211828E+00
(1S+,3S+)	F0	6.7213740E+00	G0	3.8543643E-01
(1S+,3P-)	F0	7.2611115E+00	G1	6.5097247E-01
(1S+,3P+)	F0	6.5952829E+00	G1	6.1125099E-01
(1S+,3D-)	F0	6.5857451E+00	G2	2.6647210E-02
(1S+,3D+)	F0	6.3900198E+00	G2	2.8586750E-02
(1S+,4S+)	F0	2.9789269E+00	G0	9.2669825E-02
(1S+,4P-)	F0	3.0245276E+00	G1	1.4881806E-01
(1S+,4P+)	F0	2.7721440E+00	G1	1.3886380E-01
(1S+,4D-)	F0	2.5780855E+00	G2	5.2621232E-03
(1S+,4D+)	F0	2.5081271E+00	G2	6.6888090E-03
(1S+,4F-)	F0	2.0173167E+00	G3	1.6736823E-05
(1S+,4F+)	F0	1.9862055E+00	G3	1.9057414E-05
(1S+,5S+)	F0	1.1658255E+00	G0	1.5897450E-02
(1S+,5P-)	F0	1.0810513E+00	G1	2.1174815E-02
(1S+,5P+)	F0	9.8257969E-01	G1	1.8819462E-02
(1S+,5D-)	F0	5.9950911E-01	G2	3.2306768E-04
(1S+,6S+)	F0	3.7463533E-01	G0	1.3976149E-03
(2S+,2S+)	F0	1.1561547E+01		
(2S+,2P-)	F0	1.2513876E+01	G1	6.5415544E+00
(2S+,2P+)	F0	1.1920310E+01	G1	6.7559376E+00
(2S+,3S+)	F0	5.7148343E+00	G0	4.9537014E-01
(2S+,3P-)	F0	6.0227584E+00	G1	4.7795461E-01
(2S+,3P+)	F0	5.6530324E+00	G1	4.2133958E-01
(2S+,3D-)	F0	6.3129401E+00	G2	1.4618976E+00
(2S+,3D+)	F0	6.1608829E+00	G2	1.3975639E+00
(2S+,4S+)	F0	2.7356178E+00	G0	1.0194451E-01
(2S+,4P-)	F0	2.7439013E+00	G1	9.8571921E-02
(2S+,4P+)	F0	2.5617572E+00	G1	8.4261861E-02
(2S+,4D-)	F0	2.5193246E+00	G2	2.5376045E-01
(2S+,4D+)	F0	2.4591230E+00	G2	2.4362515E-01
(2S+,4F-)	F0	2.0163452E+00	G3	1.2008529E-02
(2S+,4F+)	F0	1.9853651E+00	G3	1.1535260E-02
(2S+,5S+)	F0	1.1440284E+00	G0	1.6954608E-02
(2S+,5P-)	F0	1.0411785E+00	G1	1.3761603E-02
(2S+,5P+)	F0	9.5415305E-01	G1	1.1165617E-02
(2S+,5D-)	F0	5.9651308E-01	G2	1.2563567E-02
(2S+,6S+)	F0	3.7096002E-01	G0	1.4840594E-03
(2P-,2P-)	F0	1.4093312E+01		

TABLE 1.– CONTINUED

HAFNIUM 5D2 Z=72

(4P-,4F-)	F0	1.5917491E+00	G2	6.5781800E-01						
(4P-,4F+)	F0	1.5748779E+00	G4	4.4673240E-01						
(4P-,5S+)	F0	9.8965076E-01	G1	6.8999347E-02						
(4P-,5P-)	F0	9.0270667E-01	G0	4.4308698E-02						
(4P-,5P+)	F0	8.3643347E-01	G2	5.1002469E-02						
(4P-,5D-)	F0	5.1397209E-01	G1	1.8543562E-02						
(4P-,6S+)	F0	3.4538437E-01	G1	5.3182733E-03						
(4P+,4P+)	F0	1.7679438E+00	F2	9.2250528E-01						
(4P+,4D-)	F0	1.7334483E+00	F2	8.8668209E-01	G1	1.1175270E+00	G3	7.0222857E-01		
(4P+,4D+)	F0	1.7141078E+00	F2	8.7706546E-01	G1	1.1107167E+00	G3	6.9655197E-01		
(4P+,4F-)	F0	1.5481660E+00	F2	7.4764140E-01	G2	6.3996013E-01	G4	4.4413545E-01		
(4P+,4F+)	F0	1.5325632E+00	F2	7.3841978E-01	G2	6.3292380E-01	G4	4.3893540E-01		
(4P+,5S+)	F0	9.8099003E-01	G1	7.4069964E-02						
(4P+,5P-)	F0	8.9573030E-01	G2	5.7866528E-02						
(4P+,5P+)	F0	8.3056869E-01	F2	2.0469412E-01	G0	3.9357796E-02	G2	5.0095370E-02		
(4P+,5D-)	F0	5.1212374E-01	F2	7.2280090E-02	G1	1.5452901E-02	G3	1.3671366E-02		
(4P+,6S+)	F0	3.4466045E-01	G1	5.5571797E-03						
(4D-,4D-)	F0	1.7031416E+00	F2	8.6163241E-01						
(4D-,4D+)	F0	1.6844885E+00	F2	8.5253992E-01	G2	8.4993153E-01	G4	5.6857181E-01		
(4D-,4F-)	F0	1.5231384E+00	F2	7.2856225E-01	G1	8.5357503E-01	G3	5.3673297E-01		
(4D-,4F+)	F0	1.5080701E+00	F2	7.2001641E-01	G3	5.2912576E-01	G5	3.7461149E-01		
(4D-,5S+)	F0	9.7558610E-01	G2	9.5924524E-02						
(4D-,5P-)	F0	8.9155998E-01	G1	7.1543051E-02						
(4D-,5P+)	F0	8.2710152E-01	F2	2.1352313E-01	G1	5.5822476E-02	G3	5.4800212E-02		
(4D-,5D-)	F0	5.1122013E-01	F2	7.6639110E-02	G0	1.4904573E-02	G2	1.7489925E-02		
(4D-,6S+)	F0	3.4421881E-01	G2	6.8068525E-03						
(4D+,4D+)	F0	1.6665568E+00	F2	8.4452412E-01	F4	5.6475992E-01				
(4D+,4F-)	F0	1.5085793E+00	F2	7.2256427E-01	F4	4.6094753E-01	G1	8.3943851E-01	G3	5.3045140E-01	G5	3.7588504E-01
(4D+,4F+)	F0	1.4939046E+00	F2	7.1444926E-01	F4	4.5560924E-01	G1	8.3235062E-01	G3	5.2549797E-01	G5	3.7225145E-01
(4D+,5S+)	F0	9.7253165E-01	G2	1.0125962E-01						
(4D+,5P-)	F0	8.8913615E-01	G3	7.1989579E-02						
(4D+,5P+)	F0	8.2508519E-01	F2	2.1810734E-01	G1	5.7979484E-02	G3	5.6779118E-02		
(4D+,5D-)	F0	5.1060074E-01	F2	7.8565041E-02	G2	1.7526360E-02	G4	1.4468453E-02		
(4D+,6S+)	F0	3.4396638E-01	G2	7.0665755E-03						
(4F-,4F-)	F0	1.3874240E+00	F2	6.5666921E-01	F4	4.1150953E-01				
(4F-,4F+)	F0	1.3750034E+00	F2	6.5010452E-01	F4	4.0725685E-01	G2	6.4790858E-01	G4	4.0594711E-01	G6	2.9189875E-01
(4F-,5S+)	F0	9.3309199E-01	G3	1.5750215E-01						
(4F-,5P-)	F0	8.5802514E-01	G2	1.4746599E-01						
(4F-,5P+)	F0	7.9973073E-01	F2	2.5219744E-01	G2	1.1864160E-01	G4	9.3248673E-02		
(4F-,5D-)	F0	5.0325329E-01	F2	1.0078687E-01	G1	4.3580898E-02	G3	3.4728407E-02		
(4F-,6S+)	F0	3.4099737E-01	G3	9.3485365E-03						
(4F+,4F+)	F0	1.3628490E+00	F2	6.4380587E-01	F4	4.0319629E-01	F6	2.8986979E-01		
(4F+,5S+)	F0	9.2923534E-01	G3	1.6124138E-01						
(4F+,5P-)	F0	8.5493562E-01	G4	1.1697260E-01						
(4F+,5P+)	F0	7.9717661E-01	F2	2.5503681E-01	G2	1.2276433E-01	G4	9.5960407E-02		
(4F+,5D-)	F0	5.0247602E-01	F2	1.0271521E-01	G3	3.6201813E-02	G5	2.7287533E-02		
(4F+,6S+)	F0	3.4070306E-01	G3	9.6248208E-03						
(5S+,5S+)	F0	7.9141620E-01								
(5S+,5P-)	F0	7.4722152E-01	G1	5.1195207E-01						
(5S+,5P+)	F0	7.1032574E-01	G1	4.5981607E-01						
(5S+,5D-)	F0	4.7829383E-01	G2	1.3388993E-01						
(5S+,6S+)	F0	3.3058904E-01	G0	1.1845871E-02						
(5P-,5P-)	F0	7.1033477E-01								
(5P-,5P+)	F0	6.7914893E-01	G2	3.5710219E-01						
(5P-,5D-)	F0	4.6831561E-01	G1	2.0873849E-01						

TABLE 1.– CONTINUED

HAFNIUM 5D2 Z=72

(5P-,6S+)	F0	3.2761569E-01	G1	1.9399203E-02			
(5P+,5P+)	F0	6.5251428E-01	F2	3.4920487E-01			
(5P+,5D-)	F0	4.5939310E-01	F2	2.0168086E-01	G1	2.3166773E-01	G3 1.4014858E-01
(5P+,6S+)	F0	3.2502768E-01	G1	2.5300529E-02			
(5D-,5D-)	F0	3.6847742E-01	F2	1.7697508E-01			
(5D-,6S+)	F0	2.9130626E-01	G2	9.7445508E-02			
(6S+,6S+)	F0	2.5708767E-01					

TANTALUM 5D3 Z=73

(1S+,1S+)	F0	5.0875504E+01		
(1S+,2S+)	F0	1.6684687E+01	G0	1.9431086E+00
(1S+,2P-)	F0	1.9574261E+01	G1	3.3520002E+00
(1S+,2P+)	F0	1.7080878E+01	G1	2.9211828E+00
(1S+,3S+)	F0	6.7213740E+00	G0	3.8543643E-01
(1S+,3P-)	F0	7.2611115E+00	G1	6.5097247E-01
(1S+,3P+)	F0	6.5952829E+00	G1	6.1125099E-01
(1S+,3D-)	F0	6.5857451E+00	G2	2.6647210E-02
(1S+,3D+)	F0	6.3900198E+00	G2	2.8586750E-02
(1S+,4S+)	F0	2.9789269E+00	G0	9.2669825E-02
(1S+,4P-)	F0	3.0245276E+00	G1	1.4881806E-01
(1S+,4P+)	F0	2.7721440E+00	G1	1.3886380E-01
(1S+,4D-)	F0	2.5780855E+00	G2	6.2621232E-03
(1S+,4D+)	F0	2.5081271E+00	G2	6.6888090E-03
(1S+,4F-)	F0	2.0173167E+00	G3	1.6736823E-05
(1S+,4F+)	F0	1.9862055E+00	G3	1.9057414E-05
(1S+,5S+)	F0	1.1658255E+00	G0	1.5897450E-02
(1S+,5P-)	F0	1.0810513E+00	G1	2.1174815E-02
(1S+,5P+)	F0	9.8257969E-01	G1	1.8819462E-02
(1S+,5D-)	F0	5.9950911E-01	G2	3.2306768E-04
(1S+,6S+)	F0	3.7463533E-01	G0	1.3976149E-03
(2S+,2S+)	F0	1.1561547E+01		
(2S+,2P-)	F0	1.2513876E+01	G1	6.5415544E+00
(2S+,2P+)	F0	1.1920310E+01	G1	6.7559376E+00
(2S+,3S+)	F0	5.7148343E+00	G0	4.9537014E-01
(2S+,3P-)	F0	6.0227584E+00	G1	4.7795461E-01
(2S+,3P+)	F0	5.6530324E+00	G1	4.2133958E-01
(2S+,3D-)	F0	6.3129401E+00	G2	1.4618976E+00
(2S+,3D+)	F0	6.1608829E+00	G2	1.3975639E+00
(2S+,4S+)	F0	2.7356178E+00	G0	1.0194451E-01
(2S+,4P-)	F0	2.7439013E+00	G1	9.8571921E-02
(2S+,4P+)	F0	2.5617572E+00	G1	8.4261861E-02
(2S+,4D-)	F0	2.5193246E+00	G2	2.5376045E-01
(2S+,4D+)	F0	2.4591230E+00	G2	2.4362515E-01
(2S+,4F-)	F0	2.0163452E+00	G3	1.2008529E-02
(2S+,4F+)	F0	1.9853651E+00	G3	1.1535260E-02
(2S+,5S+)	F0	1.1440284E+00	G0	1.6954608E-02
(2S+,5P-)	F0	1.0411786E+00	G1	1.3761603E-02
(2S+,5P+)	F0	9.5415305E-01	G1	1.1165617E-02
(2S+,5D-)	F0	5.9651308E-01	G2	1.2563567E-02
(2S+,6S+)	F0	3.7096002E-01	G0	1.4840594E-03
(2P-,2P-)	F0	1.4093312E+01		

TABLE 1.– CONTINUED

TANTALUM 5D3 Z=73

(2P-,2P+)	F0	1.3225502E+01	G2	5.8198563E+00				
(2P-,3S+)	F0	5.8805576E+00	G1	5.6550170E-01				
(2P-,3P-)	F0	6.2632793E+00	G0	6.5819202E-01				
(2P-,3P+)	F0	5.8656106E+00	G2	5.9310179E-01				
(2P-,3D-)	F0	6.4115357E+00	G1	1.4747586E+00				
(2P-,3D+)	F0	6.2458300E+00	G3	7.7211111E-01				
(2P-,4S+)	F0	2.7749721E+00	G1	1.2177423E-01				
(2P-,4P-)	F0	2.7972565E+00	G0	1.2937875E-01				
(2P-,4P+)	F0	2.6083625E+00	G2	1.2221802E-01				
(2P-,4D-)	F0	2.5401002E+00	G1	2.6595453E-01				
(2P-,4D+)	F0	2.4769406E+00	G3	1.4202278E-01				
(2P-,4F-)	F0	2.0167620E+00	G2	9.2442938E-03				
(2P-,4F+)	F0	1.9857286E+00	G4	5.5645989E-03				
(2P-,5S+)	F0	1.1507645E+00	G1	2.0428649E-02				
(2P-,5P-)	F0	1.0487290E+00	G0	1.7900987E-02				
(2P-,5P+)	F0	9.6042903E-01	G2	1.6272098E-02				
(2P-,5D-)	F0	5.9756909E-01	G1	1.3239583E-02				
(2P-,6S+)	F0	3.7155203E-01	G1	1.7903106E-03				
(2P+,2P+)	F0	1.2527716E+01	F2	5.9514074E+00				
(2P+,3S+)	F0	5.7740986E+00	G1	5.5440117E-01				
(2P+,3P-)	F0	6.1252344E+00	G2	6.1893769E-01				
(2P+,3P+)	F0	5.7499196E+00	F2	1.4111327E+00	G0	5.6166104E-01	G2	6.0934079E-01
(2P+,3D-)	F0	6.3546957E+00	F2	1.9114210E+00	G1	1.6952016E+00	G3	9.7505859E-01
(2P+,3D+)	F0	6.1963766E+00	F2	1.8065917E+00	G1	1.6362785E+00	G3	9.5316219E-01
(2P+,4S+)	F0	2.7495466E+00	G1	1.1756042E-01				
(2P+,4P-)	F0	2.7663698E+00	G2	1.2778436E-01				
(2P+,4P+)	F0	2.5828594E+00	F2	3.1145554E-01	G0	1.0756628E-01	G2	1.2502100E-01
(2P+,4D-)	F0	2.5284032E+00	F2	3.4213581E-01	G1	2.9058041E-01	G3	1.7196879E-01
(2P+,4D+)	F0	2.4666149E+00	F2	3.2202909E-01	G1	2.8616434E-01	G3	1.6915906E-01
(2P+,4F-)	F0	2.0164633E+00	F2	1.0916970E-01	G2	1.3364431E-02	G4	8.4264364E-03
(2P+,4F+)	F0	1.9854647E+00	F2	1.0442204E-01	G2	1.2724888E-02	G4	8.2062352E-03
(2P+,5S+)	F0	1.1464073E+00	G1	1.9664800E-02				
(2P+,5P-)	F0	1.0443509E+00	G2	1.7841368E-02				
(2P+,5P+)	F0	9.5699112E-01	F2	4.2686115E-02	G0	1.4136714E-02	G2	1.6631969E-02
(2P+,5D-)	F0	5.9697627E-01	F2	1.7586487E-02	G1	1.4372119E-02	G3	8.5394614E-03
(2P+,6S+)	F0	3.7116903E-01	G1	1.7226737E-03				
(3S+,3S+)	F0	4.3928256E+00						
(3S+,3P-)	F0	4.5011087E+00	G1	2.8415470E+00				
(3S+,3P+)	F0	4.3452198E+00	G1	2.8317050E+00				
(3S+,3D-)	F0	4.6003433E+00	G2	1.8516588E+00				
(3S+,3D+)	F0	4.5543295E+00	G2	1.8743007E+00				
(3S+,4S+)	F0	2.4506023E+00	G0	1.7233497E-01				
(3S+,4P-)	F0	2.4378320E+00	G1	1.7993332E-01				
(3S+,4P+)	F0	2.2974714E+00	G1	1.8304841E-01				
(3S+,4D-)	F0	2.2484049E+00	G2	1.2415917E-01				
(3S+,4D+)	F0	2.2052873E+00	G2	1.1764849E-01				
(3S+,4F-)	F0	1.9742882E+00	G3	2.5804649E-01				
(3S+,4F+)	F0	1.9461919E+00	G3	2.4861142E-01				
(3S+,5S+)	F0	1.0958491E+00	G0	2.4773998E-02				
(3S+,5P-)	F0	9.9833335E-01	G1	2.2370648E-02				
(3S+,5P+)	F0	9.1889671E-01	G1	2.1647821E-02				
(3S+,5D-)	F0	5.8315035E-01	G2	6.0482574E-03				
(3S+,6S+)	F0	3.6673271E-01	G0	2.1277613E-03				
(3P-,3P-)	F0	4.6353539E+00						
(3P-,3P+)	F0	4.4567587E+00	G2	2.1666893E+00				

TABLE 1.– CONTINUED

TANTALUM 5D3 Z=73

(3P-,3D-)	F0	4.7420619E+00	G1	2.5914131E+00								
(3P-,3D+)	F0	4.6899376E+00	G3	1.6752469E+00								
(3P-,4S+)	F0	2.4720890E+00	G1	2.2007854E-01								
(3P-,4P-)	F0	2.4626885E+00	G0	1.8842362E-01								
(3P-,4P+)	F0	2.3189618E+00	G2	2.0204497E-01								
(3P-,4D-)	F0	2.2677773E+00	G1	1.2603100E-01								
(3P-,4D+)	F0	2.2238693E+00	G3	1.2363798E-01								
(3P-,4F-)	F0	1.9793679E+00	G2	2.9642726E-01								
(3P-,4F+)	F0	1.9509501E+00	G4	1.8704331E-01								
(3P-,5S+)	F0	1.0994443E+00	G1	3.2664825E-02								
(3P-,5P-)	F0	1.0017796E+00	G0	2.2940189E-02								
(3P-,5P+)	F0	9.2174104E-01	G2	2.4683907E-02								
(3P-,5D-)	F0	5.8409311E-01	G1	5.8827423E-03								
(3P-,6S+)	F0	3.6704773E-01	G1	2.8168182E-03								
(3P+,3P+)	F0	4.3062077E+00	F2	2.1493912E+00								
(3P+,3D-)	F0	4.5480415E+00	F2	2.1504587E+00	G1	2.2982976E+00	G3	1.5181803E+00				
(3P+,3D+)	F0	4.5026497E+00	F2	2.1548203E+00	G1	2.3366398E+00	G3	1.5433203E+00				
(3P+,4S+)	F0	2.4425741E+00	G1	2.1987751E-01								
(3P+,4P-)	F0	2.4316142E+00	G2	2.1562576E-01								
(3P+,4P+)	F0	2.2920027E+00	F2	6.4339691E-01	G0	1.6873134E-01	G2	1.9820900E-01				
(3P+,4D-)	F0	2.2420000E+00	F2	6.0334213E-01	G1	1.3598261E-01	G3	1.3985505E-01				
(3P+,4D+)	F0	2.1990648E+00	F2	5.8129087E-01	G1	1.2659182E-01	G3	1.3319568E-01				
(3P+,4F-)	F0	1.9694463E+00	F2	5.6334635E-01	G2	3.4220330E-01	G4	2.2634852E-01				
(3P+,4F+)	F0	1.9415852E+00	F2	5.4653870E-01	G2	3.3101204E-01	G4	2.1903934E-01				
(3P+,5S+)	F0	1.0945306E+00	G1	3.2003746E-02								
(3P+,5P-)	F0	9.9748894E-01	G2	2.7121726E-02								
(3P+,5P+)	F0	9.1819214E-01	F2	9.4879768E-02	G0	1.9576497E-02	G2	2.4091135E-02				
(3P+,5D-)	F0	5.8283668E-01	F2	3.5137857E-02	G1	6.4995236E-03	G3	6.7199971E-03				
(3P+,6S+)	F0	3.6661746E-01	G1	2.7535750E-03								
(3D-,3D-)	F0	4.9529071E+00	F2	2.5028229E+00								
(3D-,3D+)	F0	4.8920363E+00	F2	2.4800352E+00	G2	2.4385040E+00	G4	1.5674741E+00				
(3D-,4S+)	F0	2.4911478E+00	G2	2.0619294E-01								
(3D-,4P-)	F0	2.4810175E+00	G1	2.0767892E-01								
(3D-,4P+)	F0	2.3352523E+00	F2	5.8243521E-01	G1	1.8336825E-01	G3	1.8064115E-01				
(3D-,4D-)	F0	2.2973960E+00	F2	5.7626592E-01	G0	1.8186950E-01	G2	2.2165807E-01				
(3D-,4D+)	F0	2.2526511E+00	F2	5.5685909E-01	G2	2.1186833E-01	G4	1.6435431E-01				
(3D-,4F-)	F0	1.9846948E+00	F2	4.7116918E-01	G1	3.5207446E-01	G3	2.0656889E-01				
(3D-,4F+)	F0	1.9558886E+00	F2	4.5603867E-01	G3	1.9672155E-01	G5	1.3602690E-01				
(3D-,5S+)	F0	1.1026129E+00	G2	3.0976924E-02								
(3D-,5P-)	F0	1.0042913E+00	G1	2.5623224E-02								
(3D-,5P+)	F0	9.2388077E-01	F2	8.4519413E-02	G1	2.1927945E-02	G3	2.2379740E-02				
(3D-,5D-)	F0	5.8553109E-01	F2	3.2496401E-02	G0	8.1138338E-03	G2	1.0358269E-02				
(3D-,6S+)	F0	3.6732511E-01	G2	2.6755948E-03								
(3D+,3D+)	F0	4.8340393E+00	F2	2.4605387E+00	F4	1.5821913E+00						
(3D+,4S+)	F0	2.4818882E+00	G2	2.0950861E-01								
(3D+,4P-)	F0	2.4712375E+00	G3	2.0824136E-01								
(3D+,4P+)	F0	2.3267167E+00	F2	5.9307635E-01	G1	1.8429885E-01	G3	1.8382757E-01				
(3D+,4D-)	F0	2.2884823E+00	F2	5.8439697E-01	G2	2.1631911E-01	G4	1.6974525E-01				
(3D+,4D+)	F0	2.2441910E+00	F2	5.6470896E-01	F4	2.6854406E-01	G0	1.7418040E-01	G2	2.1511707E-01	G4	1.6780539E-01
(3D+,4F-)	F0	1.9822553E+00	F2	4.8543213E-01	F4	2.3516388E-01	G1	3.6431869E-01	G3	2.1410338E-01	G5	1.4805165E-01
(3D+,4F+)	F0	1.9535922E+00	F2	4.7001451E-01	F4	2.2599296E-01	G1	3.5379344E-01	G3	2.0793556E-01	G5	1.4379139E-01
(3D+,5S+)	F0	1.1010624E+00	G2	3.1265086E-02								
(3D+,5P-)	F0	1.0029335E+00	G3	2.6611552E-02								
(3D+,5P+)	F0	9.2275056E-01	F2	8.6294450E-02	G1	2.1952239E-02	G3	2.2708236E-02				
(3D+,5D-)	F0	5.8509381E-01	F2	3.3098245E-02	G2	1.0087274E-02	G4	8.0542379E-03				

TABLE 1.– CONTINUED

TANTALUM 503 Z=73

(3D+,6S+)	F0 3.6718924E-01	G2 2.6995085E-03						
(4S+,4S+)	F0 1.9545721E+00							
(4S+,4P-)	F0 1.9432610E+00	G1 1.3132682E+00						
(4S+,4P+)	F0 1.8733127E+00	G1 1.2566839E+00						
(4S+,4D-)	F0 1.8386560E+00	G2 9.0707713E-01						
(4S+,4D+)	F0 1.8158001E+00	G2 8.9202114E-01						
(4S+,4F-)	F0 1.6627409E+00	G3 5.6231017E-01						
(4S+,4F+)	F0 1.6465866E+00	G3 5.5502281E-01						
(4S+,5S+)	F0 1.0208540E+00	G0 5.3257398E-02						
(4S+,5P-)	F0 9.3598447E-01	G1 5.5569975E-02						
(4S+,5P+)	F0 8.6697638E-01	G1 5.7259530E-02						
(4S+,5D-)	F0 5.6425495E-01	G2 2.0085053E-02						
(4S+,6S+)	F0 3.6021940E-01	G0 4.1509998E-03						
(4P-,4P-)	F0 1.9329052E+00							
(4P-,4P+)	F0 1.8635540E+00	G2 9.5238376E-01						
(4P-,4D-)	F0 1.8293064E+00	G1 1.1828786E+00						
(4P-,4D+)	F0 1.8066819E+00	G3 7.2382133E-01						
(4P-,4F-)	F0 1.6542105E+00	G2 6.9100825E-01						
(4P-,4F+)	F0 1.6382381E+00	G4 4.7096595E-01						
(4P-,5S+)	F0 1.0194923E+00	G1 7.2100469E-02						
(4P-,5P-)	F0 9.3501293E-01	G0 4.6963834E-02						
(4P-,5P+)	F0 8.6611116E-01	G2 5.4219706E-02						
(4P-,5D-)	F0 5.6394381E-01	G1 2.2525259E-02						
(4P-,6S+)	F0 3.6010354E-01	G1 5.6907017E-03						
(4P+,4P+)	F0 1.8031030E+00	F2 9.4080974E-01						
(4P+,4D-)	F0 1.7707837E+00	F2 9.0590772E-01	G1 1.1407778E+00	G3 7.1734949E-01				
(4P+,4D+)	F0 1.7506970E+00	F2 8.9605064E-01	G1 1.1341632E+00	G3 7.1171588E-01				
(4P+,4F-)	F0 1.6066334E+00	F2 7.8158083E-01	G2 6.6942461E-01	G4 4.6555917E-01				
(4P+,4F+)	F0 1.5919682E+00	F2 7.7327126E-01	G2 6.6351835E-01	G4 4.6111713E-01				
(4P+,5S+)	F0 1.0101532E+00	G1 7.7467273E-02						
(4P+,5P-)	F0 9.2737459E-01	G2 6.1434369E-02						
(4P+,5P+)	F0 8.5968895E-01	F2 2.1553228E-01	G0 4.1740619E-02	G2 5.3179444E-02				
(4P+,5D-)	F0 5.6160407E-01	F2 8.6011868E-02	G1 1.8659617E-02	G3 1.6659648E-02				
(4P+,6S+)	F0 3.5930186E-01	G1 5.9428949E-03						
(4D-,4D-)	F0 1.7425690E+00	F2 8.8184571E-01						
(4D-,4D+)	F0 1.7230955E+00	F2 8.7237356E-01	G2 8.6957772E-01	G4 5.8200214E-01				
(4D-,4F-)	F0 1.5824587E+00	F2 7.6198025E-01	G1 8.8824032E-01	G3 5.6238488E-01				
(4D-,4F+)	F0 1.5682558E+00	F2 7.5426606E-01	G3 5.5544993E-01	G5 3.9377201E-01				
(4D-,5S+)	F0 1.0049583E+00	G2 9.9373523E-02						
(4D-,5P-)	F0 9.2330917E-01	G1 7.5231621E-02						
(4D-,5P+)	F0 8.5630813E-01	F2 2.2394697E-01	G1 5.8737857E-02	G3 5.7790215E-02				
(4D-,5D-)	F0 5.6060228E-01	F2 9.0718924E-02	G0 1.8128917E-02	G2 2.1351244E-02				
(4D-,6S+)	F0 3.5886639E-01	G2 7.2236708E-03						
(4D+,4D+)	F0 1.7043940E+00	F2 8.6405797E-01	F4 5.7810852E-01					
(4D+,4F-)	F0 1.5667176E+00	F2 7.5514857E-01	F4 4.8279347E-01	G1 8.7534797E-01	G3 5.5511132E-01	G5 3.9391084E-01		
(4D+,4F+)	F0 1.5529156E+00	F2 7.4788563E-01	F4 4.7308706E-01	G1 8.6975404E-01	G3 5.5108151E-01	G5 3.9092605E-01		
(4D+,5S+)	F0 1.0016986E+00	G2 1.0495287E-01						
(4D+,5P-)	F0 9.2068109E-01	G3 7.5927927E-02						
(4D+,5P+)	F0 8.5412096E-01	F2 2.2878653E-01	G1 6.0963041E-02	G3 5.9865319E-02				
(4D+,5D-)	F0 5.5982418E-01	F2 9.2974437E-02	G2 2.1387087E-02	G4 1.7703382E-02				
(4D+,6S+)	F0 3.5858965E-01	G2 7.4988393E-03						
(4F-,4F-)	F0 1.4603671E+00	F2 6.9811455E-01	F4 4.3884882E-01					
(4F-,4F+)	F0 1.4483610E+00	F2 6.9187325E-01	F4 4.3481662E-01	G2 6.8937371E-01	G4 4.3332011E-01	G6 3.1197414E-01		
(4F-,5S+)	F0 9.6763438E-01	G3 1.5670319E-01						
(4F-,5P-)	F0 8.9350040E-01	G2 1.4603965E-01						

TABLE 1.– CONTINUED

TANTALUM 5D3 Z=73

(4F-,5P+)	F0	8.3203590E-01	F2	2.5955177E-01	G2	1.1617118E-01	G4 9.2786898E-02
(4F-,5D-)	F0	5.5248186E-01	F2	1.1431491E-01	G1	4.6174802E-02	G3 3.8249996E-02
(4F-,6S+)	F0	3.5595188E-01	G3	9.3979462E-03			
(4F+,4F+)	F0	1.4366058E+00	F2	6.8589023E-01	F4	4.3097280E-01	F6 3.1023864E-01
(4F+,5S+)	F0	9.6417404E-01	G3	1.6051915E-01			
(4F+,5P-)	F0	8.9070608E-01	G4	1.1742873E-01			
(4F+,5P+)	F0	8.2973590E-01	F2	2.6248731E-01	G2	1.2012402E-01	G4 9.5435834E-02
(4F+,5D-)	F0	5.5168762E-01	F2	1.1630520E-01	G3	3.9685018E-02	G5 3.0307373E-02
(4F+,6S+)	F0	3.5568086E-01	G3	9.6214342E-03			
(5S+,5S+)	F0	8.1622937E-01					
(5S+,5P-)	F0	7.7327397E-01	G1	5.3080561E-01			
(5S+,5P+)	F0	7.3499894E-01	G1	4.7658114E-01			
(5S+,5D-)	F0	5.2097019E-01	G2	1.5710283E-01			
(5S+,6S+)	F0	3.4450545E-01	G0	1.2410373E-02			
(5P-,5P-)	F0	7.3709169E-01					
(5P-,5P+)	F0	7.0447719E-01	G2	3.7051660E-01			
(5P-,5D-)	F0	5.0983592E-01	G1	2.4015611E-01			
(5P-,6S+)	F0	3.4154350E-01	G1	2.0031223E-02			
(5P+,5P+)	F0	6.7669141E-01	F2	3.6265908E-01			
(5P+,5D-)	F0	4.9928767E-01	F2	2.2693733E-01	G1	2.6512332E-01	G3 1.6107228E-01
(5P+,6S+)	F0	3.3880070E-01	G1	2.6085829E-02			
(5D-,5D-)	F0	4.0950296E-01	F2	2.0021330E-01			
(5D-,6S+)	F0	3.0964422E-01	G2	9.6103548E-02			
(6S+,6S+)	F0	2.6804519E-01					

TUNGSTEN 5D4 Z=74

(1S+,1S+)	F0	5.1776085E+01		
(1S+,2S+)	F0	1.7005225E+01	G0	1.9918503E+00
(1S+,2P-)	F0	1.9966520E+01	G1	3.4079859E+00
(1S+,2P+)	F0	1.7346384E+01	G1	2.9577793E+00
(1S+,3S+)	F0	6.8554621E+00	G0	3.9631146E-01
(1S+,3P-)	F0	7.4123924E+00	G1	6.6401977E-01
(1S+,3P+)	F0	6.7118900E+00	G1	6.2251413E-01
(1S+,3D-)	F0	6.7052919E+00	G2	2.7028307E-02
(1S+,3D+)	F0	6.5002187E+00	G2	2.9082503E-02
(1S+,4S+)	F0	3.0432447E+00	G0	9.5736865E-02
(1S+,4P-)	F0	3.0940514E+00	G1	1.5270161E-01
(1S+,4P+)	F0	2.8287806E+00	G1	1.4233204E-01
(1S+,4D-)	F0	2.6376520E+00	G2	6.4269557E-03
(1S+,4D+)	F0	2.5644524E+00	G2	6.8877393E-03
(1S+,4F-)	F0	2.0993491E+00	G3	1.8110613E-05
(1S+,4F+)	F0	2.0680598E+00	G3	2.0763577E-05
(1S+,5S+)	F0	1.2248724E+00	G0	1.6901867E-02
(1S+,5P-)	F0	1.1234073E+00	G1	2.2623331E-02
(1S+,5P+)	F0	1.0196683E+00	G1	2.0135939E-02
(1S+,5D-)	F0	6.4962796E-01	G2	3.8321060E-04
(1S+,6S+)	F0	3.8873753E-01	G0	1.5036948E-03
(2S+,2S+)	F0	1.1772821E+01		
(2S+,2P-)	F0	1.2747423E+01	G1	6.6474703E+00
(2S+,2P+)	F0	1.2122259E+01	G1	6.8714108E+00
(2S+,3S+)	F0	5.8233445E+00	G0	5.0706168E-01

TABLE 1.– CONTINUED

TUNGSTEN 5D4 Z=74

(2S+,3P-)	F0	6.1406573E+00	G1	4.8836567E-01				
(2S+,3P+)	F0	5.7524154E+00	G1	4.2947523E-01				
(2S+,3D-)	F0	6.4271390E+00	G2	1.4864035E+00				
(2S+,3D+)	F0	6.2678145E+00	G2	1.4193388E+00				
(2S+,4S+)	F0	2.7925158E+00	G0	1.0482308E-01				
(2S+,4P-)	F0	2.8040916E+00	G1	1.0129721E-01				
(2S+,4P+)	F0	2.6131903E+00	G1	8.6325639E-02				
(2S+,4D-)	F0	2.5770419E+00	G2	2.6074588E-01				
(2S+,4D+)	F0	2.5141599E+00	G2	2.5018295E-01				
(2S+,4F-)	F0	2.0982971E+00	G3	1.2947997E-02				
(2S+,4F+)	F0	2.0671519E+00	G3	1.2450622E-02				
(2S+,5S+)	F0	1.1805436E+00	G0	1.7934776E-02				
(2S+,5P-)	F0	1.0805086E+00	G1	1.4721045E-02				
(2S+,5P+)	F0	9.8926213E-01	G1	1.1934486E-02				
(2S+,5D-)	F0	6.4605767E-01	G2	1.4899586E-02				
(2S+,6S+)	F0	3.8479291E-01	G0	1.5883233E-03				
(2P-,2P-)	F0	1.4365599E+01						
(2P-,2P+)	F0	1.3450996E+01	G2	5.9026781E+00				
(2P-,3S+)	F0	5.9936540E+00	G1	5.7700303E-01				
(2P-,3P-)	F0	6.3880539E+00	G0	6.7469678E-01				
(2P-,3P+)	F0	5.9761830E+00	G2	6.0448008E-01				
(2P-,3D-)	F0	6.5280253E+00	G1	1.4984173E+00				
(2P-,3D+)	F0	6.3543419E+00	G3	7.8231266E-01				
(2P-,4S+)	F0	2.8331587E+00	G1	1.2481471E-01				
(2P-,4P-)	F0	2.8593004E+00	G0	1.3336438E-01				
(2P-,4P+)	F0	2.6612332E+00	G2	1.2528401E-01				
(2P-,4D-)	F0	2.5985445E+00	G1	2.7321255E-01				
(2P-,4D+)	F0	2.5325230E+00	G3	1.4554632E-01				
(2P-,4F-)	F0	2.0987502E+00	G2	9.9492556E-03				
(2P-,4F+)	F0	2.0675462E+00	G4	5.9899676E-03				
(2P-,5S+)	F0	1.1877030E+00	G1	2.1542730E-02				
(2P-,5P-)	F0	1.0886429E+00	G0	1.9205041E-02				
(2P-,5P+)	F0	9.9601478E-01	G2	1.7405791E-02				
(2P-,5D-)	F0	6.4732026E-01	G1	1.5701247E-02				
(2P-,6S+)	F0	3.8542965E-01	G1	1.9102557E-03				
(2P+,2P+)	F0	1.2720704E+01	F2	6.0425211E+00				
(2P+,3S+)	F0	5.8810748E+00	G1	5.6553006E-01				
(2P+,3P-)	F0	6.2419540E+00	G2	6.3190019E-01				
(2P+,3P+)	F0	5.6484168E+00	F2	1.4378051E+00	G0	5.7271624E-01	G2	6.2131020E-01
(2P+,3D-)	F0	6.4681450E+00	F2	1.9506479E+00	G1	1.7299236E+00	G3	9.9506636E-01
(2P+,3D+)	F0	6.3024593E+00	F2	1.8408142E+00	G1	1.6894834E+00	G3	9.7232218E-01
(2P+,4S+)	F0	2.8061390E+00	G1	1.2038755E-01				
(2P+,4P-)	F0	2.8264133E+00	G2	1.3112040E-01				
(2P+,4P+)	F0	2.6342233E+00	F2	3.1922254E-01	G0	1.1026635E-01	G2	1.2820156E-01
(2P+,4D-)	F0	2.5860838E+00	F2	3.5261505E-01	G1	2.9925632E-01	G3	1.7715779E-01
(2P+,4D+)	F0	2.5217773E+00	F2	3.3147760E-01	G1	2.9480492E-01	G3	1.7431221E-01
(2P+,4F-)	F0	2.0984155E+00	F2	1.1683326E-01	G2	1.4208321E-02	G4	9.1650429E-03
(2P+,4F+)	F0	2.0672511E+00	F2	1.1180397E-01	G2	1.3859963E-02	G4	8.9339904E-03
(2P+,5S+)	F0	1.1829377E+00	G1	2.0715581E-02				
(2P+,5P-)	F0	1.0837892E+00	G2	1.9054412E-02				
(2P+,5P+)	F0	9.9221440E-01	F2	4.5592994E-02	G0	1.5117766E-02	G2	1.7796308E-02
(2P+,5D-)	F0	6.4659080E-01	F2	2.0849119E-02	G1	1.7079635E-02	G3	1.0152872E-02
(2P+,6S+)	F0	3.8500576E-01	G1	1.8361056E-03				
(3S+,3S+)	F0	4.4751618E+00						
(3S+,3P-)	F0	4.5869767E+00	G1	2.8922749E+00				

TABLE 1.– CONTINUED

TUNGSTEN 5D4 Z=74

(3S+,3P+)	F0	4.4231331E+00	G1	2.8814297E+00			
(3S+,3D-)	F0	4.6853886E+00	G2	1.8855419E+00			
(3S+,3D+)	F0	4.6370967E+00	G2	1.9091950E+00			
(3S+,4S+)	F0	2.5003488E+00	G0	1.7646317E-01			
(3S+,4P-)	F0	2.4896425E+00	G1	1.8415226E-01			
(3S+,4P+)	F0	2.3427094E+00	G1	1.8763198E-01			
(3S+,4D-)	F0	2.2985228E+00	G2	1.2758897E-01			
(3S+,4D+)	F0	2.2536098E+00	G2	1.2078079E-01			
(3S+,4F-)	F0	2.0531399E+00	G3	2.7581215E-01			
(3S+,4F+)	F0	2.0250955E+00	G3	2.6600989E-01			
(3S+,5S+)	F0	1.1297206E+00	G0	2.6064763E-02			
(3S+,5P-)	F0	1.0346821E+00	G1	2.3797820E-02			
(3S+,5P+)	F0	9.5160299E-01	G1	2.3116193E-02			
(3S+,5D-)	F0	6.3020280E-01	G2	7.1702637E-03			
(3S+,6S+)	F0	3.8028062E-01	G0	2.2631910E-03			
(3P-,3P-)	F0	4.7257276E+00					
(3P-,3P+)	F0	4.5398956E+00	G2	2.2021400E+00			
(3P-,3D-)	F0	4.8314422E+00	G1	2.6411555E+00			
(3P-,3D+)	F0	4.7766741E+00	G3	1.7367860E+00			
(3P-,4S+)	F0	2.5226440E+00	G1	2.2503334E-01			
(3P-,4P-)	F0	2.5154806E+00	G0	1.9334895E-01			
(3P-,4P+)	F0	2.3649619E+00	G2	2.0673402E-01			
(3P-,4D-)	F0	2.3186965E+00	G1	1.2947567E-01			
(3P-,4D+)	F0	2.2729442E+00	G3	1.3212216E-01			
(3P-,4F-)	F0	2.0586840E+00	G2	3.1645777E-01			
(3P-,4F+)	F0	2.0302899E+00	G4	1.9987898E-01			
(3P-,5S+)	F0	1.1335590E+00	G1	3.4328484E-02			
(3P-,5P-)	F0	1.0384110E+00	G0	2.4465131E-02			
(3P-,5P+)	F0	9.5467658E-01	G2	2.6327713E-02			
(3P-,5D-)	F0	6.3133545E-01	G1	6.9617646E-03			
(3P-,6S+)	F0	3.8062092E-01	G1	2.9932651E-03			
(3P+,3P+)	F0	4.3801010E+00	F2	2.1853807E+00			
(3P+,3D-)	F0	4.6278573E+00	F2	2.1867369E+00	G1	2.3332934E+00	G3 1.5420889E+00
(3P+,3D+)	F0	4.5803608E+00	F2	2.1914089E+00	G1	2.3736302E+00	G3 1.5685655E+00
(3P+,4S+)	F0	2.4914626E+00	G1	2.2490742E-01			
(3P+,4P-)	F0	2.4825775E+00	G2	2.2105071E-01			
(3P+,4P+)	F0	2.3365251E+00	F2	6.5726517E-01	G0	1.7261845E-01	G2 2.0262338E-01
(3P+,4D-)	F0	2.2913683E+00	F2	5.1953175E-01	G1	1.4018699E-01	G3 1.4397959E-01
(3P+,4D+)	F0	2.2466662E+00	F2	5.9648297E-01	G1	1.3018697E-01	G3 1.3693424E-01
(3P+,4F-)	F0	2.0477086E+00	F2	5.9738912E-01	G2	3.6656867E-01	G4 2.4254781E-01
(3P+,4F+)	F0	2.0199266E+00	F2	5.8012381E-01	G2	3.5501570E-01	G4 2.3500798E-01
(3P+,5S+)	F0	1.1282177E+00	G1	3.3616107E-02			
(3P+,5P-)	F0	1.0336821E+00	G2	2.8887405E-02			
(3P+,5P+)	F0	9.5077025E-01	F2	1.0063958E-01	G0	2.0860935E-02	G2 2.5667102E-02
(3P+,5D-)	F0	6.2979869E-01	F2	4.1101613E-02	G1	7.7278115E-03	G3 7.9778621E-03
(3P+,6S+)	F0	3.8014769E-01	G1	2.9240193E-03			
(3D-,3D-)	F0	5.0430365E+00	F2	2.5486580E+00			
(3D-,3D+)	F0	4.9792467E+00	F2	2.5247756E+00	G2	2.4810609E+00	G4 1.5950262E+00
(3D-,4S+)	F0	2.5416053E+00	G2	2.1079949E-01			
(3D-,4P-)	F0	2.5336776E+00	G1	2.1273351E-01			
(3D-,4P+)	F0	2.3811159E+00	F2	5.9462941E-01	G1	1.8723075E-01	G3 1.8445573E-01
(3D-,4D-)	F0	2.3487217E+00	F2	5.9151974E-01	G0	1.8678778E-01	G2 2.2778810E-01
(3D-,4D+)	F0	2.3021184E+00	F2	5.7128488E-01	G2	2.1751586E-01	G4 1.6877782E-01
(3D-,4F-)	F0	2.0642974E+00	F2	4.9961262E-01	G1	3.7659044E-01	G3 2.2103794E-01
(3D-,4F+)	F0	2.0354914E+00	F2	4.8397978E-01	G3	2.1062827E-01	G5 1.4566943E-01

TABLE 1.– CONTINUED

TUNGSTEN 5D4 Z=74

(3D-,5S+)	F0	1.1368012E+00	G2	3.2548501E-02						
(3D-,5P-)	F0	1.0410047E+00	G1	2.7272885E-02						
(3D-,5P+)	F0	9.5689008E-01	F2	8.9636520E-02	G1	2.3334433E-02	G3	2.3827371E-02		
(3D-,5D-)	F0	6.3301673E-01	F2	3.8064141E-02	G0	9.5888657E-03	G2	1.2264794E-02		
(3D-,6S+)	F0	3.8090807E-01	G2	2.8439223E-03						
(3D+,3D+)	F0	4.9185571E+00	F2	2.5044450E+00	F4	1.6106419E+00				
(3D+,4S+)	F0	2.5318380E+00	G2	2.1428346E-01						
(3D+,4P-)	F0	2.5233388E+00	G3	2.1341846E-01						
(3D+,4P+)	F0	2.3721234E+00	F2	6.0578332E-01	G1	1.8819153E-01	G3	1.8779740E-01		
(3D+,4D-)	F0	2.3392820E+00	F2	5.0006038E-01	G2	2.2212378E-01	G4	1.7439993E-01		
(3D+,4D+)	F0	2.2931692E+00	F2	5.7953303E-01	F4	2.7596697E-01	G0	1.7872656E-01	G2	2.2096460E-01	G4	1.7243829E-01
(3D+,4F-)	F0	2.0616030E+00	F2	5.1508506E-01	F4	2.5103597E-01	G1	3.8991684E-01	G3	2.2925088E-01	G5	1.5855544E-01
(3D+,4F+)	F0	2.0329544E+00	F2	4.9916059E-01	F4	2.4145119E-01	G1	3.7917030E-01	G3	2.2295280E-01	G5	1.5420501E-01
(3D+,5S+)	F0	1.1351183E+00	G2	3.2857321E-02						
(3D+,5P-)	F0	1.0395106E+00	G3	2.8349074E-02						
(3D+,5P+)	F0	9.5564746E-01	F2	9.1559904E-02	G1	2.3358566E-02	G3	2.4186055E-02		
(3D+,5D-)	F0	6.3248237E-01	F2	3.8775441E-02	G2	1.1932809E-02	G4	9.5383142E-03		
(3D+,6S+)	F0	3.8075885E-01	G2	2.8686478E-03						
(4S+,4S+)	F0	1.9945889E+00								
(4S+,4P-)	F0	1.9841580E+00	G1	1.3402865E+00						
(4S+,4P+)	F0	1.9109071E+00	G1	1.2809948E+00						
(4S+,4D-)	F0	1.8788256E+00	G2	9.2733460E-01						
(4S+,4D+)	F0	1.8550673E+00	G2	9.1182354E-01						
(4S+,4F-)	F0	1.7223902E+00	G3	5.8842045E-01						
(4S+,4F+)	F0	1.7067517E+00	G3	5.8171347E-01						
(4S+,5S+)	F0	1.0510450E+00	G0	5.5653226E-02						
(4S+,5P-)	F0	9.6837261E-01	G1	5.8618316E-02						
(4S+,5P+)	F0	8.9643584E-01	G1	6.0653146E-02						
(4S+,5D-)	F0	6.0788771E-01	G2	2.3349442E-02						
(4S+,6S+)	F0	3.7336875E-01	G0	4.3716535E-03						
(4P-,4P-)	F0	1.9746954E+00								
(4P-,4P+)	F0	1.9019228E+00	G2	9.7071680E-01						
(4P-,4D-)	F0	1.8701916E+00	G1	1.2093574E+00						
(4P-,4D+)	F0	1.8466318E+00	G3	7.4002082E-01						
(4P-,4F-)	F0	1.7141762E+00	G2	7.2231525E-01						
(4P-,4F+)	F0	1.6986971E+00	G4	4.9381080E-01						
(4P-,5S+)	F0	1.0497717E+00	G1	7.5259148E-02						
(4P-,5P-)	F0	9.6747027E-01	G0	4.9643691E-02						
(4P-,5P+)	F0	8.9562489E-01	G2	5.7425309E-02						
(4P-,5D-)	F0	6.0756528E-01	G1	2.6191067E-02						
(4P-,6S+)	F0	3.7325936E-01	G1	5.9909487E-03						
(4P+,4P+)	F0	1.8387386E+00	F2	9.5936501E-01						
(4P+,4D-)	F0	1.8086749E+00	F2	9.2541284E-01	G1	1.1642906E+00	G3	7.3267795E-01		
(4P+,4D+)	F0	1.7878368E+00	F2	9.1532443E-01	G1	1.1579157E+00	G3	7.2711198E-01		
(4P+,4F-)	F0	1.6625553E+00	F2	8.1354993E-01	G2	6.9674536E-01	G4	4.8537667E-01		
(4P+,4F+)	F0	1.6484376E+00	F2	8.0590827E-01	G2	6.9176107E-01	G4	4.8175025E-01		
(4P+,5S+)	F0	1.0397185E+00	G1	8.0928943E-02						
(4P+,5P-)	F0	9.5913557E-01	G2	5.5042966E-02						
(4P+,5P+)	F0	8.8862327E-01	F2	2.2632016E-01	G0	4.4104106E-02	G2	5.6240596E-02		
(4P+,5D-)	F0	6.0473396E-01	F2	9.8636179E-02	G1	2.1568762E-02	G3	1.9428811E-02		
(4P+,6S+)	F0	3.7238672E-01	G1	6.2529781E-03						
(4D-,4D-)	F0	1.7826567E+00	F2	9.0241018E-01						
(4D-,4D+)	F0	1.7623497E+00	F2	8.9255383E-01	G2	8.8955856E-01	G4	5.9568459E-01		
(4D-,4F-)	F0	1.6395257E+00	F2	7.9369556E-01	G1	9.2333165E-01	G3	5.8653089E-01		
(4D-,4F+)	F0	1.6258062E+00	F2	7.8657263E-01	G3	5.8008328E-01	G5	4.1177434E-01		

TABLE 1.– CONTINUED

TUNGSTEN 5D4 Z=74

(4D-,5S+)	F0 1.0347664E+00	G2 1.0285060E-01				
(4D-,5P-)	F0 9.5521351E-01	G1 7.8911918E-02				
(4D-,5P+)	F0 8.8536398E-01	F2 2.3426894E-01	G1 6.1597556E-02	G3 6.0730238E-02		
(4D-,5D-)	F0 6.0368369E-01	F2 1.0353726E-01	G0 2.1109626E-02	G2 2.4943192E-02		
(4D-,6S+)	F0 3.7196754E-01	G2 7.5459459E-03				
(4D+,4D+)	F0 1.7428672E+00	F2 8.8393766E-01	F4 5.9171681E-01			
(4D+,4F-)	F0 1.6226107E+00	F2 7.8601842E-01	F4 5.0345535E-01	G1 9.0861796E-01	G3 5.7822531E-01	G5 4.1088152E-01
(4D+,4F+)	F0 1.6093040E+00	F2 7.7936951E-01	F4 4.9922601E-01	G1 9.0423279E-01	G3 5.7494300E-01	G5 4.0842196E-01
(4D+,5S+)	F0 1.0312941E+00	G2 1.0867456E-01				
(4D+,5P-)	F0 9.5237398E-01	G3 7.9871968E-02				
(4D+,5P+)	F0 8.8300216E-01	F2 2.3936350E-01	G1 6.3882132E-02	G3 6.2896875E-02		
(4D+,5D-)	F0 6.0274942E-01	F2 1.0609329E-01	G2 2.4974982E-02	G4 2.0726642E-02		
(4D+,6S+)	F0 3.7166934E-01	G2 7.8330265E-03				
(4F-,4F-)	F0 1.5298248E+00	F2 7.3752647E-01	F4 4.6489404E-01			
(4F-,4F+)	F0 1.5179531E+00	F2 7.3144528E-01	F4 4.6097719E-01	G2 7.2862683E-01	G4 4.5928436E-01	G6 3.3103831E-01
(4F-,5S+)	F0 1.0015940E+00	G3 1.5602919E-01				
(4F-,5P-)	F0 9.2840761E-01	G2 1.4497955E-01				
(4F-,5P+)	F0 8.6359131E-01	F2 2.6686710E-01	G2 1.1413880E-01	G4 9.2514240E-02		
(4F-,5D-)	F0 5.9560767E-01	F2 1.2608750E-01	G1 4.8109752E-02	G3 4.1147540E-02		
(4F-,6S+)	F0 3.6433818E-01	G3 9.4351786E-03				
(4F+,4F+)	F0 1.5063268E+00	F2 7.2562553E-01	F4 4.5725031E-01	F6 3.2953104E-01		
(4F+,5S+)	F0 9.9836006E-01	G3 1.5988899E-01				
(4F+,5P-)	F0 9.2577116E-01	G4 1.1803282E-01				
(4F+,5P+)	F0 8.6142807E-01	F2 2.6988163E-01	G2 1.1794614E-01	G4 9.5106711E-02		
(4F+,5D-)	F0 5.9478372E-01	F2 1.2813761E-01	G3 4.2544805E-02	G5 3.2845738E-02		
(4F+,6S+)	F0 3.6908059E-01	G3 9.6297769E-03				
(5S+,5S+)	F0 6.4135943E-01					
(5S+,5P-)	F0 7.9947190E-01	G1 5.4960391E-01				
(5S+,5P+)	F0 7.5962256E-01	G1 4.9304301E-01				
(5S+,5D-)	F0 5.5795212E-01	G2 1.7751614E-01				
(5S+,6S+)	F0 3.5706496E-01	G0 1.2831899E-02				
(5P-,5P-)	F0 7.6389412E-01					
(5P-,5P+)	F0 7.2968405E-01	G2 3.8366199E-01				
(5P-,5D-)	F0 5.4594984E-01	G1 2.6712079E-01				
(5P-,6S+)	F0 3.5414672E-01	G1 2.0463637E-02				
(5P+,5P+)	F0 7.0062265E-01	F2 3.7583919E-01				
(5P+,5D-)	F0 5.3387910E-01	F2 2.4840601E-01	G1 2.9375794E-01	G3 1.7905531E-01		
(5P+,6S+)	F0 3.5126803E-01	G1 2.6669188E-02				
(5D-,5D-)	F0 4.4484606E-01	F2 2.2000993E-01				
(5D-,6S+)	F0 3.2515048E-01	G2 9.4412229E-02				
(6S+,6S+)	F0 2.7781286E-01					

RHENIUM 5D5 Z=75

(1S+,1S+)	F0 5.2687461E+01		
(1S+,2S+)	F0 1.7330201E+01	G0 2.0417788E+00	
(1S+,2P-)	F0 2.0364941E+01	G1 3.4641121E+00	
(1S+,2P+)	F0 1.7612676E+01	G1 2.9938696E+00	
(1S+,3S+)	F0 6.9910617E+00	G0 4.0744060E-01	
(1S+,3P-)	F0 7.5655343E+00	G1 6.7707723E-01	
(1S+,3P+)	F0 6.8288845E+00	G1 6.3372427E-01	
(1S+,3D-)	F0 6.8251415E+00	G2 2.7391164E-02	

TABLE 1.– CONTINUED

RHENIUM 5D5 Z=75

(1S+,3D+)	F0	6.6104157E+00	G2	2.9564231E-02
(1S+,4S+)	F0	3.1086107E+00	G0	9.8908144E-02
(1S+,4P-)	F0	3.1648182E+00	G1	1.5665317E-01
(1S+,4P+)	F0	2.8861862E+00	G1	1.4586547E-01
(1S+,4D-)	F0	2.6980744E+00	G2	6.5919145E-03
(1S+,4D+)	F0	2.6215433E+00	G2	7.0890796E-03
(1S+,4F-)	F0	2.1790268E+00	G3	1.9481910E-05
(1S+,4F+)	F0	2.1472504E+00	G3	2.2485649E-05
(1S+,5S+)	F0	1.2647933E+00	G0	1.7959694E-02
(1S+,5P-)	F0	1.1665984E+00	G1	2.4127446E-02
(1S+,5P+)	F0	1.0572439E+00	G1	2.1498892E-02
(1S+,5D-)	F0	6.9838813E-01	G2	4.4561898E-04
(1S+,5D+)	F0	6.6529469E-01	G2	4.5225244E-04
(1S+,6S+)	F0	4.0286360E-01	G0	1.6125735E-03
(2S+,2S+)	F0	1.1986510E+01		
(2S+,2P-)	F0	1.2983849E+01	G1	6.7540119E+00
(2S+,2P+)	F0	1.2325624E+01	G1	6.9877689E+00
(2S+,3S+)	F0	5.9328886E+00	G0	5.1895300E-01
(2S+,3P-)	F0	6.2597335E+00	G1	4.9887904E-01
(2S+,3P+)	F0	5.8522162E+00	G1	4.3768845E-01
(2S+,3D-)	F0	6.5416933E+00	G2	1.5105217E+00
(2S+,3D+)	F0	6.3748518E+00	G2	1.4406636E+00
(2S+,4S+)	F0	2.8502366E+00	G0	1.0778619E-01
(2S+,4P-)	F0	2.8652152E+00	G1	1.0409036E-01
(2S+,4P+)	F0	2.6652836E+00	G1	8.8444608E-02
(2S+,4D-)	F0	2.6355761E+00	G2	2.6786377E-01
(2S+,4D+)	F0	2.5699473E+00	G2	2.5686624E-01
(2S+,4F-)	F0	2.1778938E+00	G3	1.3882732E-02
(2S+,4F+)	F0	2.1462753E+00	G3	1.3360957E-02
(2S+,5S+)	F0	1.2178072E+00	G0	1.8960869E-02
(2S+,5P-)	F0	1.1205172E+00	G1	1.5721113E-02
(2S+,5P+)	F0	1.0247874E+00	G1	1.2731522E-02
(2S+,5D-)	F0	6.9421574E-01	G2	1.7329730E-02
(2S+,5D+)	F0	6.6204494E-01	G2	1.5711921E-02
(2S+,6S+)	F0	3.9864380E-01	G0	1.6943817E-03
(2P-,2P-)	F0	1.4641637E+01		
(2P-,2P+)	F0	1.3678038E+01	G2	5.9852066E+00
(2P-,3S+)	F0	6.1078856E+00	G1	5.8860380E-01
(2P-,3P-)	F0	6.5141597E+00	G0	6.9151563E-01
(2P-,3P+)	F0	6.0752366E+00	G2	6.1590128E-01
(2P-,3D-)	F0	6.6448673E+00	G1	1.5216315E+00
(2P-,3D+)	F0	6.4629329E+00	G3	7.9217130E-01
(2P-,4S+)	F0	2.8922112E+00	G1	1.2792352E-01
(2P-,4P-)	F0	2.9223420E+00	G0	1.3747799E-01
(2P-,4P+)	F0	2.7148076E+00	G2	1.2842411E-01
(2P-,4D-)	F0	2.6578249E+00	G1	2.8059908E-01
(2P-,4D+)	F0	2.5888664E+00	G3	1.4911605E-01
(2P-,4F-)	F0	2.1783836E+00	G2	1.0649519E-02
(2P-,4F+)	F0	2.1467005E+00	G4	6.4104518E-03
(2P-,5S+)	F0	1.2254122E+00	G1	2.2702718E-02
(2P-,5P-)	F0	1.1292668E+00	G0	2.0571992E-02
(2P-,5P+)	F0	1.0320385E+00	G2	1.8581136E-02
(2P-,5D-)	F0	6.9569616E-01	G1	1.8261719E-02
(2P-,5D+)	F0	6.6323314E-01	G3	9.1947546E-03
(2P-,6S+)	F0	3.9932642E-01	G1	2.0314266E-03

TABLE 1.– CONTINUED

RHENIUM 5D5 Z=75

(2P+,2P+)	F0	1.2914101E+01	F2	6.1337674E+00				
(2P+,3S+)	F0	5.9888862E+00	G1	5.7676691E-01				
(2P+,3P-)	F0	6.3596058E+00	G2	6.4500432E-01				
(2P+,3P+)	F0	5.9471508E+00	F2	1.4645544E+00	G0	5.8382703E-01	G2	6.3332595E-01
(2P+,3D-)	F0	6.5818300E+00	F2	1.9899764E+00	G1	1.7646133E+00	G3	1.0150511E+00
(2P+,3D+)	F0	6.4085429E+00	F2	1.8749794E+00	G1	1.7226203E+00	G3	9.9143991E-01
(2P+,4S+)	F0	2.8635051E+00	G1	1.2327574E-01				
(2P+,4P-)	F0	2.8873351E+00	G2	1.3453549E-01				
(2P+,4P+)	F0	2.6862110E+00	F2	3.2716092E-01	G0	1.1303271E-01	G2	1.3145826E-01
(2P+,4D-)	F0	2.6445569E+00	F2	3.6335948E-01	G1	3.0313882E-01	G3	1.8247065E-01
(2P+,4D+)	F0	2.5774685E+00	F2	3.4115659E-01	G1	3.0366387E-01	G3	1.7959838E-01
(2P+,4F-)	F0	2.1780107E+00	F2	1.2447553E-01	G2	1.5371897E-02	G4	9.9164479E-03
(2P+,4F+)	F0	2.1463724E+00	F2	1.1913421E-01	G2	1.5012979E-02	G4	9.6834018E-03
(2P+,5S+)	F0	1.2202049E+00	G1	2.1808142E-02				
(2P+,5P-)	F0	1.1238958E+00	G2	2.0316137E-02				
(2P+,5P+)	F0	1.0278470E+00	F2	4.8601671E-02	G0	1.6134476E-02	G2	1.9003675E-02
(2P+,5D-)	F0	6.9481609E-01	F2	2.4253460E-02	G1	1.9907117E-02	G3	1.1839047E-02
(2P+,5D+)	F0	6.6251959E-01	F2	2.1525486E-02	G1	1.8558924E-02	G3	1.1019687E-02
(2P+,6S+)	F0	3.9885893E-01	G1	1.9504546E-03				
(3S+,3S+)	F0	4.5581905E+00						
(3S+,3P-)	F0	4.6735874E+00	G1	2.9433240E+00				
(3S+,3P+)	F0	4.5014497E+00	G1	2.9313392E+00				
(3S+,3D-)	F0	4.7709138E+00	G2	1.9197913E+00				
(3S+,3D+)	F0	4.7202547E+00	G2	1.9444689E+00				
(3S+,4S+)	F0	2.5507304E+00	G0	1.8068809E-01				
(3S+,4P-)	F0	2.5421531E+00	G1	1.8846477E-01				
(3S+,4P+)	F0	2.3884576E+00	G1	1.9235757E-01				
(3S+,4D-)	F0	2.3492669E+00	G2	1.3108119E-01				
(3S+,4D+)	F0	2.3025256E+00	G2	1.2397776E-01				
(3S+,4F-)	F0	2.1296529E+00	G3	2.9337439E-01				
(3S+,4F+)	F0	2.1013675E+00	G3	2.8315654E-01				
(3S+,5S+)	F0	1.1642255E+00	G0	2.7404685E-02				
(3S+,5P-)	F0	1.0715795E+00	G1	2.5273876E-02				
(3S+,5P+)	F0	9.8464056E-01	G1	2.4637278E-02				
(3S+,5D-)	F0	6.7576352E-01	G2	8.3361203E-03				
(3S+,5D+)	F0	6.4576874E-01	G2	7.3814220E-03				
(3S+,6S+)	F0	3.9384296E-01	G0	2.3991945E-03				
(3P-,3P-)	F0	4.8169153E+00						
(3P-,3P+)	F0	4.6214450E+00	G2	2.2375076E+00				
(3P-,3D-)	F0	4.9213293E+00	G1	2.6914249E+00				
(3P-,3D+)	F0	4.8638120E+00	G3	1.7385494E+00				
(3P-,4S+)	F0	2.5738556E+00	G1	2.3009283E-01				
(3P-,4P-)	F0	2.5690015E+00	G0	1.9840071E-01				
(3P-,4P+)	F0	2.4114903E+00	G2	2.1153777E-01				
(3P-,4D-)	F0	2.3702665E+00	G1	1.3300963E-01				
(3P-,4D+)	F0	2.3226348E+00	G3	1.3569951E-01				
(3P-,4F-)	F0	2.1356695E+00	G2	3.3621955E-01				
(3P-,4F+)	F0	2.1070036E+00	G4	2.1249691E-01				
(3P-,5S+)	F0	1.1683195E+00	G1	3.6052472E-02				
(3P-,5P-)	F0	1.0756064E+00	G0	2.6048499E-02				
(3P-,5P+)	F0	9.8795406E-01	G2	2.8025053E-02				
(3P-,5D-)	F0	6.7709787E-01	G1	8.0809031E-03				
(3P-,5D+)	F0	6.4697525E-01	G3	7.9247838E-03				
(3P-,6S+)	F0	3.9420923E-01	G1	3.1700745E-03				
(3P+,3P+)	F0	4.4541497E+00	F2	2.2214120E+00				

TABLE 1.– CONTINUED

RHENIUM 505 Z=75

(3P+,3D-)	F0	4.7078261E+00	F2	2.2230440E+00	G1	2.3682935E+00	G3	1.5659886E+00			
(3P+,3D+)	F0	4.6581564E+00	F2	2.2280368E+00	G1	2.4106896E+00	G3	1.5938464E+00			
(3P+,4S+)	F0	2.5409216E+00	G1	2.3005650E-01							
(3P+,4P-)	F0	2.5341714E+00	G2	2.2661932E-01							
(3P+,4P+)	F0	2.3815027E+00	F2	6.7136646E-01	G0	1.7659332E-01	G2	2.0713428E-01			
(3P+,4D-)	F0	2.3413030E+00	F2	6.3602039E-01	G1	1.4450280E-01	G3	1.4820749E-01			
(3P+,4D+)	F0	2.2948038E+00	F2	6.1195372E-01	G1	1.3386824E-01	G3	1.4076320E-01			
(3P+,4F-)	F0	2.1235903E+00	F2	6.3082393E-01	G2	3.9081262E-01	G4	2.5867610E-01			
(3P+,4F+)	F0	2.0955979E+00	F2	6.1299416E-01	G2	3.7883890E-01	G4	2.5086705E-01			
(3P+,5S+)	F0	1.1625184E+00	G1	3.5286026E-02							
(3P+,5P-)	F0	1.0704040E+00	G2	3.0717698E-02							
(3P+,5P+)	F0	9.8366397E-01	F2	1.0655482E-01	G0	2.2183896E-02	G2	2.7290510E-02			
(3P+,5D-)	F0	6.7525458E-01	F2	4.7231476E-02	G1	9.0119371E-03	G3	9.2895095E-03			
(3P+,5D+)	F0	6.4530348E-01	F2	4.2921171E-02	G1	7.8539411E-03	G3	8.3185036E-03			
(3P+,6S+)	F0	3.9369059E-01	G1	3.0945701E-03							
(3D-,3D-)	F0	5.1333290E+00	F2	2.5945345E+00							
(3D-,3D+)	F0	5.0665239E+00	F2	2.5695204E+00	G2	2.5235479E+00	G4	1.6225304E+00			
(3D-,4S+)	F0	2.5926668E+00	G2	2.1552156E-01							
(3D-,4P-)	F0	2.5870078E+00	G1	2.1791660E-01							
(3D-,4P+)	F0	2.4274613E+00	F2	6.0704782E-01	G1	1.9117816E-01	G3	1.8835460E-01			
(3D-,4D-)	F0	2.4006625E+00	F2	6.0708139E-01	G0	1.9183019E-01	G2	2.3407060E-01			
(3D-,4D+)	F0	2.3521689E+00	F2	5.8600559E-01	G2	2.2330198E-01	G4	1.7330962E-01			
(3D-,4F-)	F0	2.1415412E+00	F2	5.2756511E-01	G1	4.0095931E-01	G3	2.3542940E-01			
(3D-,4F+)	F0	2.1124397E+00	F2	5.1133362E-01	G3	2.2440331E-01	G5	1.5522383E-01			
(3D-,5S+)	F0	1.1716255E+00	G2	3.4178898E-02							
(3D-,5P-)	F0	1.0782713E+00	G1	2.8980887E-02							
(3D-,5P+)	F0	9.9023243E-01	F2	9.4893450E-02	G1	2.4780912E-02	G3	2.5317841E-02			
(3D-,5D-)	F0	6.7902352E-01	F2	4.3793946E-02	G0	1.1115313E-02	G2	1.4244324E-02			
(3D-,5D+)	F0	6.4874569E-01	F2	3.9917321E-02	G2	1.2844413E-02	G4	1.0142712E-02			
(3D-,6S+)	F0	3.9450468E-01	G2	3.0117353E-03							
(3D+,3D+)	F0	5.0030597E+00	F2	2.5483350E+00	F4	1.6390803E+00					
(3D+,4S+)	F0	2.5823676E+00	G2	2.1918311E-01							
(3D+,4P-)	F0	2.5760822E+00	G3	2.1873077E-01							
(3D+,4P+)	F0	2.4179906E+00	F2	6.1873307E-01	G1	1.9217028E-01	G3	1.9185814E-01			
(3D+,4D-)	F0	2.3906700E+00	F2	6.1606170E-01	G2	2.2806457E-01	G4	1.7916593E-01			
(3D+,4D+)	F0	2.3427062E+00	F2	5.9466584E-01	F4	2.8356833E-01	G0	1.8338575E-01	G2	2.2696035E-01	G4 1.7718966E-01
(3D+,4F-)	F0	2.1385801E+00	F2	5.4427615E-01	F4	2.6078159E-01	G1	4.1539336E-01	G3	2.4433857E-01	G5 1.6902122E-01
(3D+,4F+)	F0	2.1096519E+00	F2	5.2774630E-01	F4	2.5673073E-01	G1	4.0436967E-01	G3	2.3787746E-01	G5 1.6455799E-01
(3D+,5S+)	F0	1.1698007E+00	G2	3.4509582E-02							
(3D+,5P-)	F0	1.0766304E+00	G3	3.0150747E-02							
(3D+,5P+)	F0	9.8886940E-01	F2	9.6973322E-02	G1	2.4804626E-02	G3	2.5708545E-02			
(3D+,5D-)	F0	6.7838323E-01	F2	4.4620654E-02	G2	1.3845601E-02	G4	1.1079502E-02			
(3D+,5D+)	F0	6.4817316E-01	F2	4.0669985E-02	F4	1.6335901E-02	G0	1.0036482E-02	G2	1.3040093E-02	G4 1.0361390E-02
(3D+,6S+)	F0	3.9434139E-01	G2	3.0383195E-03							
(4S+,4S+)	F0	2.0351373E+00									
(4S+,4P-)	F0	2.0256162E+00	G1	1.3676346E+00							
(4S+,4P+)	F0	1.9489588E+00	G1	1.3055264E+00							
(4S+,4D-)	F0	1.9195165E+00	G2	9.4783499E-01							
(4S+,4D+)	F0	1.8948380E+00	G2	9.3186079E-01							
(4S+,4F-)	F0	1.7801802E+00	G3	6.1330340E-01							
(4S+,4F+)	F0	1.7648272E+00	G3	6.0708290E-01							
(4S+,5S+)	F0	1.0817508E+00	G0	5.8110750E-02							
(4S+,5P-)	F0	1.0011826E+00	G1	6.1724458E-02							
(4S+,5P+)	F0	9.2614905E-01	G1	6.4113159E-02							
(4S+,5D-)	F0	6.4991800E-01	G2	2.6633427E-02							

TABLE 1.– CONTINUED

RHENIUM 5D5 Z=75

(4S+,5D+)	F0	6.2249940E-01	G2	2.5896152E-02						
(4S+,6S+)	F0	3.8653326E-01	G0	4.5885289E-03						
(4P-,4P-)	F0	2.0170815E+00								
(4P-,4P+)	F0	1.9407721E+00	G2	9.8917999E-01						
(4P-,4D-)	F0	1.9116300E+00	G1	1.2361631E+00						
(4P-,4D+)	F0	1.8871139E+00	G3	7.5641574E-01						
(4P-,4F-)	F0	1.7723698E+00	G2	7.5214911E-01						
(4P-,4F+)	F0	1.7571544E+00	G4	5.1559847E-01						
(4P-,5S+)	F0	1.0805770E+00	G1	7.8494734E-02						
(4P-,5P-)	F0	1.0003622E+00	G0	5.2385638E-02						
(4P-,5P+)	F0	9.2540292E-01	G2	6.0689865E-02						
(4P-,5D-)	F0	6.4959592E-01	G1	2.9882811E-02						
(4P-,5D+)	F0	6.2219684E-01	G3	2.3229904E-02						
(4P-,6S+)	F0	3.8643178E-01	G1	6.2857969E-03						
(4P+,4P+)	F0	1.8747798E+00	F2	9.7812628E-01						
(4P+,4D-)	F0	1.8470194E+00	F2	9.4513279E-01	G1	1.1879924E+00	G3	7.4815792E-01		
(4P+,4D+)	F0	1.8254186E+00	F2	9.3461768E-01	G1	1.1818945E+00	G3	7.4267995E-01		
(4P+,4F-)	F0	1.7166356E+00	F2	8.4401599E-01	G2	7.2235589E-01	G4	5.0446989E-01		
(4P+,4F+)	F0	1.7028461E+00	F2	8.3690611E-01	G2	7.1818020E-01	G4	5.0118208E-01		
(4P+,5S+)	F0	1.0697688E+00	G1	8.4479042E-02						
(4P+,5P-)	F0	9.9128841E-01	G2	6.8742297E-02						
(4P+,5P+)	F0	9.1778999E-01	F2	2.3726629E-01	G0	4.6502213E-02	G2	5.9347655E-02		
(4P+,5D-)	F0	6.4623728E-01	F2	1.1131264E-01	G1	2.4465050E-02	G3	2.2230234E-02		
(4P+,5D+)	F0	6.1914161E-01	F2	1.0172189E-01	G1	2.4083179E-02	G3	2.1152624E-02		
(4P+,6S+)	F0	3.8548564E-01	G1	6.5570322E-03						
(4D-,4D-)	F0	1.8232727E+00	F2	9.2324420E-01						
(4D-,4D+)	F0	1.8021139E+00	F2	9.1299608E-01	G2	9.0978936E-01	G4	6.0955480E-01		
(4D-,4F-)	F0	1.6949885E+00	F2	8.2414557E-01	G1	9.5645144E-01	G3	6.0951669E-01		
(4D-,4F+)	F0	1.6615369E+00	F2	8.1747897E-01	G3	6.0345105E-01	G5	4.2890947E-01		
(4D-,5S+)	F0	1.0650877E+00	G2	1.0639733E-01						
(4D-,5P-)	F0	9.8754142E-01	G1	8.2653293E-02						
(4D-,5P+)	F0	9.1467954E-01	F2	2.4471213E-01	G1	6.4483147E-02	G3	6.3699830E-02		
(4D-,5D-)	F0	6.4517122E-01	F2	1.1632602E-01	G0	2.4119093E-02	G2	2.8585885E-02		
(4D-,5D+)	F0	6.1816351E-01	F2	1.0625191E-01	G2	2.6391285E-02	G4	2.1641964E-02		
(4D-,6S+)	F0	3.8508668E-01	G2	7.8590710E-03						
(4D+,4D+)	F0	1.7818346E+00	F2	9.0407621E-01	F4	6.0551870E-01				
(4D+,4F-)	F0	1.6768982E+00	F2	8.1561083E-01	F4	5.2321812E-01	G1	9.3985620E-01	G3	6.0014204E-01	G5	4.2703378E-01
(4D+,4F+)	F0	1.6636747E+00	F2	8.0944283E-01	F4	5.1937991E-01	G1	9.3652256E-01	G3	5.9751144E-01	G5	4.2503264E-01
(4D+,5S+)	F0	1.0613931E+00	G2	1.1247074E-01						
(4D+,5P-)	F0	9.8448019E-01	G3	8.3890806E-02						
(4D+,5P+)	F0	9.1213570E-01	F2	2.5006588E-01	G1	6.6822217E-02	G3	6.5956813E-02		
(4D+,5D-)	F0	6.4407157E-01	F2	1.1918092E-01	G2	2.8610547E-02	G4	2.3803272E-02		
(4D+,5D+)	F0	6.1716601E-01	F2	1.0886138E-01	F4	4.3833637E-02	G0	2.2274270E-02	G2	2.6489389E-02	G4	2.1869823E-02
(4D+,6S+)	F0	3.8476657E-01	G2	8.1576464E-03						
(4F-,4F-)	F0	1.5967811E+00	F2	7.7547753E-01	F4	4.9000733E-01				
(4F-,4F+)	F0	1.5848880E+00	F2	7.6946725E-01	F4	4.8614863E-01	G2	7.6631329E-01	G4	4.8424905E-01	G6	3.4938470E-01
(4F-,5S+)	F0	1.0353849E+00	G3	1.5562118E-01						
(4F-,5P-)	F0	9.6325860E-01	G2	1.4438651E-01						
(4F-,5P+)	F0	8.9500403E-01	F2	2.7443062E-01	G2	1.1261845E-01	G4	9.2530800E-02		
(4F-,5D-)	F0	6.3720169E-01	F2	1.3768353E-01	G1	5.0096246E-02	G3	4.4035617E-02		
(4F-,5D+)	F0	6.1099314E-01	F2	1.2616920E-01	F4	5.7048457E-02	G1	4.4013182E-02	G3	3.9113619E-02	G5	3.0653051E-02
(4F-,6S+)	F0	3.8270364E-01	G3	9.5228653E-03						
(4F+,4F+)	F0	1.5732401E+00	F2	7.6372011E-01	F4	4.8248464E-01	F6	3.4807423E-01		
(4F+,5S+)	F0	1.0322839E+00	G3	1.5951140E-01						
(4F+,5P-)	F0	9.6070433E-01	G4	1.1890477E-01						

TABLE 1.– CONTINUED

RHENIUM 5D5 Z=75

(4F+,5P+)	F0	8.9291304E-01	F2	2.7752101E-01	G2	1.1630246E-01	G4	9.5076113E-02	
(4F+,5D-)	F0	6.3633346E-01	F2	1.3980432E-01	G3	4.5405135E-02	G5	3.5384235E-02	
(4F+,5D+)	F0	6.1021161E-01	F2	1.2815573E-01	F4	5.8335548E-02	G1	4.5945128E-02	G3 4.0440635E-02 G5 3.1608326E-02
(4F+,6S+)	F0	3.8245269E-01	G3	9.7011718E-03					
(5S+,5S+)	F0	8.6692049E-01							
(5S+,5P-)	F0	8.2604130E-01	G1	5.6857209E-01					
(5S+,5P+)	F0	7.8451480E-01	G1	5.0953151E-01					
(5S+,5D-)	F0	5.9336277E-01	G2	1.9735108E-01					
(5S+,5D+)	F0	5.7178157E-01	G2	1.7677380E-01					
(5S+,6S+)	F0	3.6966506E-01	G0	1.3240121E-02					
(5P-,5P-)	F0	7.9104697E-01							
(5P-,5P+)	F0	7.5514415E-01	G2	3.9681205E-01					
(5P-,5D-)	F0	5.8061980E-01	G1	2.9292217E-01					
(5P-,5D+)	F0	5.6040058E-01	G3	1.6369768E-01					
(5P-,6S+)	F0	3.6679403E-01	G1	2.0885942E-02					
(5P+,5P+)	F0	7.2473685E-01	F2	3.8905230E-01					
(5P+,5D-)	F0	5.6700267E-01	F2	2.6877674E-01	G1	3.2105335E-01	G3	1.9625990E-01	
(5P+,5D+)	F0	5.4819947E-01	F2	2.5359268E-01	G1	2.9643764E-01	G3	1.8113667E-01	
(5P+,6S+)	F0	3.6377560E-01	G1	2.7257450E-02					
(5D-,5D-)	F0	4.7882456E-01	F2	2.3899699E-01					
(5D-,5D+)	F0	4.6693557E-01	F2	2.3204559E-01	G2	2.3176230E-01	G4	1.5002699E-01	
(5D-,6S+)	F0	3.4005498E-01	G2	9.2625147E-02					
(5D+,6S+)	F0	3.3597855E-01	G2	9.9370245E-02					
(6S+,6S+)	F0	2.8761653E-01							

OSMIUM 5D6 Z=76

(1S+,1S+)	F0	5.3610021E+01		
(1S+,2S+)	F0	1.7659772E+01	G0	2.0929433E+00
(1S+,2P-)	F0	2.0769754E+01	G1	3.5203765E+00
(1S+,2P+)	F0	1.7879763E+01	G1	3.0294341E+00
(1S+,3S+)	F0	7.1282301E+00	G0	4.1883503E-01
(1S+,3P-)	F0	7.7206095E+00	G1	6.9014473E-01
(1S+,3P+)	F0	6.9462781E+00	G1	6.4487889E-01
(1S+,3D-)	F0	6.9453061E+00	G2	2.7735267E-02
(1S+,3D+)	F0	6.7206160E+00	G2	3.0031451E-02
(1S+,4S+)	F0	3.1750080E+00	G0	1.0218498E-01
(1S+,4P-)	F0	3.2367998E+00	G1	1.6066699E-01
(1S+,4P+)	F0	2.9443024E+00	G1	1.4945722E-01
(1S+,4D-)	F0	2.7592368E+00	G2	6.7561247E-03
(1S+,4D+)	F0	2.6792693E+00	G2	7.2919046E-03
(1S+,4F-)	F0	2.2566389E+00	G3	2.0843979E-05
(1S+,4F+)	F0	2.2241419E+00	G3	2.4217313E-05
(1S+,5S+)	F0	1.3051079E+00	G0	1.9055991E-02
(1S+,5P-)	F0	1.2099684E+00	G1	2.5653961E-02
(1S+,5P+)	F0	1.0945524E+00	G1	2.2870248E-02
(1S+,5D-)	F0	7.4396075E-01	G2	5.0662329E-04
(1S+,5D+)	F0	7.0922231E-01	G2	5.1763020E-04
(1S+,6S+)	F0	4.1598915E-01	G0	1.7134787E-03
(2S+,2S+)	F0	1.2202694E+01		
(2S+,2P-)	F0	1.3223255E+01	G1	6.8611957E+00
(2S+,2P+)	F0	1.2530437E+01	G1	7.1050286E+00

TABLE 1.– CONTINUED

OSMIUM 5D6 Z=76

(2S+,3S+)	F0	6.0435044E+00	G0	5.3105281E-01		
(2S+,3P-)	F0	6.3600306E+00	G1	5.0949869E-01		
(2S+,3P+)	F0	5.9524475E+00	G1	4.4598669E-01		
(2S+,3D-)	F0	6.6566171E+00	G2	1.5342428E+00		
(2S+,3D+)	F0	6.4820017E+00	G2	1.4615285E+00		
(2S+,4S+)	F0	2.9087633E+00	G0	1.1083364E-01		
(2S+,4P-)	F0	2.9272441E+00	G1	1.0694796E-01		
(2S+,4P+)	F0	2.7179885E+00	G1	9.0616418E-02		
(2S+,4D-)	F0	2.6948174E+00	G2	2.7508758E-01		
(2S+,4D+)	F0	2.6263611E+00	G2	2.6364613E-01		
(2S+,4F-)	F0	2.2554248E+00	G3	1.4812147E-02		
(2S+,4F+)	F0	2.2231004E+00	G3	1.4263445E-02		
(2S+,5S+)	F0	1.2553792E+00	G0	2.0016487E-02		
(2S+,5P-)	F0	1.1606074E+00	G1	1.6740784E-02		
(2S+,5P+)	F0	1.0600321E+00	G1	1.3534740E-02		
(2S+,5D-)	F0	7.3919194E-01	G2	1.9714846E-02		
(2S+,5D+)	F0	7.0551576E-01	G2	1.7921030E-02		
(2S+,6S+)	F0	4.1151651E-01	G0	1.7939626E-03		
(2P-,2P-)	F0	1.4921564E+01				
(2P-,2P+)	F0	1.3906663E+01	G2	6.0674222E+00		
(2P-,3S+)	F0	6.2232946E+00	G1	6.0330814E-01		
(2P-,3P-)	F0	6.6416474E+00	G0	7.0866285E-01		
(2P-,3P+)	F0	6.1807864E+00	G2	6.2736803E-01		
(2P-,3D-)	F0	6.7620757E+00	G1	1.5443900E+00		
(2P-,3D+)	F0	6.5716091E+00	G3	8.0168089E-01		
(2P-,4S+)	F0	2.9521127E+00	G1	1.3109849E-01		
(2P-,4P-)	F0	2.9863534E+00	G0	1.4171906E-01		
(2P-,4P+)	F0	2.7690359E+00	G2	1.3163374E-01		
(2P-,4D-)	F0	2.7178295E+00	G1	2.8808554E-01		
(2P-,4D+)	F0	2.6458443E+00	G3	1.5271381E-01		
(2P-,4F-)	F0	2.2559516E+00	G2	1.1342554E-02		
(2P-,4F+)	F0	2.2235564E+00	G4	6.8246787E-03		
(2P-,5S+)	F0	1.2634457E+00	G1	2.3888157E-02		
(2P-,5P-)	F0	1.1699924E+00	G0	2.1975325E-02		
(2P-,5P+)	F0	1.0677910E+00	G2	1.9765764E-02		
(2P-,5D-)	F0	7.4088965E-01	G1	2.0774097E-02		
(2P-,5D+)	F0	7.0687666E-01	G3	1.0467118E-02		
(2P-,6S+)	F0	4.1224160E-01	G1	2.1402902E-03		
(2P+,2P+)	F0	1.3107910E+01	F2	6.2251460E+00		
(2P+,3S+)	F0	6.0975607E+00	G1	5.8811817E-01		
(2P+,3P-)	F0	6.4782206E+00	G2	6.5825973E-01		
(2P+,3P+)	F0	6.0461285E+00	F2	1.4913831E+00	G0	5.9499533E-01	G2	6.4538975E-01
(2P+,3D-)	F0	6.6957610E+00	F2	2.0294112E+00	G1	1.7992725E+00	G3	1.0350138E+00
(2P+,3D+)	F0	6.5146342E+00	F2	1.9090884E+00	G1	1.7556917E+00	G3	1.0135158E+00
(2P+,4S+)	F0	2.9216240E+00	G1	1.2622291E-01		
(2P+,4P-)	F0	2.9491020E+00	G2	1.3802672E-01		
(2P+,4P+)	F0	2.7387704E+00	F2	3.3525886E-01	G0	1.1586117E-01	G2	1.3478617E-01
(2P+,4D-)	F0	2.7037098E+00	F2	3.7434047E-01	G1	3.1720078E-01	G3	1.8789133E-01
(2P+,4D+)	F0	2.6337620E+00	F2	3.5103419E-01	G1	3.1272660E-01	G3	1.8500005E-01
(2P+,4F-)	F0	2.2555383E+00	F2	1.3209107E-01	G2	1.6552656E-02	G4	1.0679030E-02
(2P+,4F+)	F0	2.2231935E+00	F2	1.2641107E-01	G2	1.6181831E-02	G4	1.0438115E-02
(2P+,5S+)	F0	1.2577654E+00	G1	2.2922731E-02		
(2P+,5P-)	F0	1.1640673E+00	G2	2.1599257E-02		
(2P+,5P+)	F0	1.0631859E+00	F2	5.1630356E-02	G0	1.7158766E-02	G2	2.0220918E-02
(2P+,5D-)	F0	7.3985138E-01	F2	2.7611927E-02	G1	2.2695453E-02	G3	1.3503356E-02

TABLE 1.– CONTINUED

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(2P+,5D+)	F0	7.0603551E-01	F2	2.4550748E-02	G1	2.1235081E-02	G3	1.2613520E-02
(2P+,6S+)	F0	4.1173090E-01	G1	2.0527400E-03				
(3S+,3S+)	F0	4.6419367E+00						
(3S+,3P-)	F0	4.7609674E+00	G1	2.9947060E+00				
(3S+,3P+)	F0	4.5801821E+00	G1	2.9814317E+00				
(3S+,3D-)	F0	4.8569366E+00	G2	1.9544188E+00				
(3S+,3D+)	F0	4.8038174E+00	G2	1.9801330E+00				
(3S+,4S+)	F0	2.6017335E+00	G0	1.8500743E-01				
(3S+,4P-)	F0	2.5953414E+00	G1	1.9286529E-01				
(3S+,4P+)	F0	2.4346782E+00	G1	1.9722086E-01				
(3S+,4D-)	F0	2.4005527E+00	G2	1.3462306E-01				
(3S+,4D+)	F0	2.3519389E+00	G2	1.2722695E-01				
(3S+,4F-)	F0	2.2041246E+00	G3	3.1070175E-01				
(3S+,4F+)	F0	2.1753789E+00	G3	3.0002916E-01				
(3S+,5S+)	F0	1.1989715E+00	G0	2.8769681E-02				
(3S+,5P-)	F0	1.1084932E+00	G1	2.6765050E-02				
(3S+,5P+)	F0	1.0173827E+00	G1	2.6169568E-02				
(3S+,5D-)	F0	7.1818420E-01	G2	9.4787096E-03				
(3S+,5D+)	F0	6.8695708E-01	G2	8.4083398E-03				
(3S+,6S+)	F0	4.0645550E-01	G0	2.5290293E-03				
(3P-,3P-)	F0	4.9089468E+00						
(3P-,3P+)	F0	4.7034192E+00	G2	2.2727831E+00				
(3P-,3D-)	F0	5.0117410E+00	G1	2.7422368E+00				
(3P-,3D+)	F0	4.9513651E+00	G3	1.7705414E+00				
(3P-,4S+)	F0	2.6257103E+00	G1	2.3525111E-01				
(3P-,4P-)	F0	2.6232292E+00	G0	2.0357520E-01				
(3P-,4P+)	F0	2.4585090E+00	G2	2.1644846E-01				
(3P-,4D-)	F0	2.4224014E+00	G1	1.3662303E-01				
(3P-,4D+)	F0	2.3728440E+00	G3	1.3935798E-01				
(3P-,4F-)	F0	2.2106202E+00	G2	3.5567849E-01				
(3P-,4F+)	F0	2.1814613E+00	G4	2.2488098E-01				
(3P-,5S+)	F0	1.2033301E+00	G1	3.7804517E-02				
(3P-,5P-)	F0	1.1128282E+00	G0	2.7655993E-02				
(3P-,5P+)	F0	1.0209411E+00	G2	2.9727661E-02				
(3P-,5D-)	F0	7.1972147E-01	G1	9.1759257E-03				
(3P-,5D+)	F0	6.8835020E-01	G3	9.0288992E-03				
(3P-,6S+)	F0	4.0684596E-01	G1	3.3263938E-03				
(3P+,3P+)	F0	4.5283584E+00	F2	2.2574861E+00				
(3P+,3D-)	F0	4.7879540E+00	F2	2.2593821E+00	G1	2.4032991E+00	G3	1.5898805E+00
(3P+,3D+)	F0	4.7360407E+00	F2	2.2647059E+00	G1	2.4478207E+00	G3	1.6191646E+00
(3P+,4S+)	F0	2.5909343E+00	G1	2.3532246E-01				
(3P+,4P-)	F0	2.5863699E+00	G2	2.3232848E-01				
(3P+,4P+)	F0	2.4268954E+00	F2	6.8567896E-01	G0	1.8364919E-01	G2	2.1173336E-01
(3P+,4D-)	F0	2.3917168E+00	F2	6.5276441E-01	G1	1.4891809E-01	G3	1.5252614E-01
(3P+,4D+)	F0	2.3433795E+00	F2	6.2765444E-01	G1	1.3762217E-01	G3	1.4466849E-01
(3P+,4F-)	F0	2.1973873E+00	F2	6.6366485E-01	G2	4.1490151E-01	G4	2.7471039E-01
(3P+,4F+)	F0	2.1689692E+00	F2	6.4518561E-01	G2	4.0245993E-01	G4	2.6660144E-01
(3P+,5S+)	F0	1.1970404E+00	G1	3.6982040E-02				
(3P+,5P-)	F0	1.1071225E+00	G2	3.2571651E-02				
(3P+,5P+)	F0	1.0162472E+00	F2	1.1246320E-01	G0	2.3507259E-02	G2	2.8914063E-02
(3P+,5D-)	F0	7.1755910E-01	F2	5.3194230E-02	G1	1.0280272E-02	G3	1.0580972E-02
(3P+,5D+)	F0	6.8638440E-01	F2	4.8454095E-02	G1	8.9645829E-03	G3	9.4910884E-03
(3P+,6S+)	F0	4.0628291E-01	G1	3.2449157E-03				
(3D-,3D-)	F0	5.2237935E+00	F2	2.6404571E+00				
(3D-,3D+)	F0	5.1538742E+00	F2	2.6142727E+00	G2	2.5659669E+00	G4	1.6499880E+00

TABLE 1.– CONTINUED

OSMIUM 5D6 Z=76

(3D-,4S+)	F0	2.6443156E+00	G2	2.2035567E-01							
(3D-,4P-)	F0	2.6409815E+00	G1	2.2322339E-01							
(3D-,4P+)	F0	2.4742467E+00	F2	6.1966948E-01	G1	1.9520240E-01	G3	1.9232963E-01			
(3D-,4D-)	F0	2.4531267E+00	F2	6.2290706E-01	G0	1.9698101E-01	G2	2.4048572E-01			
(3D-,4D+)	F0	2.4026993E+00	F2	6.0097251E-01	G2	2.2920465E-01	G4	1.7793241E-01			
(3D-,4F-)	F0	2.2167192E+00	F2	5.5503718E-01	G1	4.2515154E-01	G3	2.4972502E-01			
(3D-,4F+)	F0	2.1871008E+00	F2	5.3812892E-01	G3	2.3803565E-01	G5	1.6468227E-01			
(3D-,5S+)	F0	1.2066858E+00	G2	3.5837587E-02							
(3D-,5P-)	F0	1.1155484E+00	G1	3.0708705E-02							
(3D-,5P+)	F0	1.0232703E+00	F2	1.0014298E-01	G1	2.6224495E-02	G3	2.6807118E-02			
(3D-,5D-)	F0	7.2187613E-01	F2	4.9370790E-02	G0	1.2605256E-02	G2	1.6183726E-02			
(3D-,5D+)	F0	6.9033769E-01	F2	4.5114365E-02	G2	1.4624143E-02	G4	1.1556451E-02			
(3D-,6S+)	F0	4.0714621E-01	G2	3.1602178E-03							
(3D+,3D+)	F0	5.0875512E+00	F2	2.5922112E+00	F4	1.6675082E+00					
(3D+,4S+)	F0	2.6334591E+00	G2	2.2420458E-01							
(3D+,4P-)	F0	2.6294405E+00	G3	2.2417369E-01							
(3D+,4P+)	F0	2.4642764E+00	F2	6.3190462E-01	G1	1.9622700E-01	G3	1.9600171E-01			
(3D+,4D-)	F0	2.4425545E+00	F2	6.3233409E-01	G2	2.3412167E-01	G4	1.8402767E-01			
(3D+,4D+)	F0	2.3926987E+00	F2	6.1005865E-01	F4	2.9132191E-01	G0	1.8814023E-01	G2	2.3308223E-01	G4 1.8204219E-01
(3D+,4F-)	F0	2.2134799E+00	F2	5.7301660E-01	F4	2.8239011E-01	G1	4.4071826E-01	G3	2.5934792E-01	G5 1.7943595E-01
(3D+,4F+)	F0	2.1840521E+00	F2	5.5580151E-01	F4	2.7182939E-01	G1	4.2937445E-01	G3	2.5269858E-01	G5 1.7484251E-01
(3D+,5S+)	F0	1.2047106E+00	G2	3.6191137E-02							
(3D+,5P-)	F0	1.1137520E+00	G3	3.1976405E-02							
(3D+,5P+)	F0	1.0217809E+00	F2	1.0238498E-01	G1	2.6247500E-02	G3	2.7231068E-02			
(3D+,5D-)	F0	7.2112586E-01	F2	5.0313949E-02	G2	1.5715520E-02	G4	1.2589600E-02			
(3D+,5D+)	F0	6.8966550E-01	F2	4.5975117E-02	F4	1.8622742E-02	G0	1.1405416E-02	G2	1.4853909E-02	G4 1.1813324E-02
(3D+,6S+)	F0	4.0696924E-01	G2	3.1885403E-03							
(4S+,4S+)	F0	2.0762003E+00									
(4S+,4P-)	F0	2.0676143E+00	G1	1.3952945E+00							
(4S+,4P+)	F0	1.9874374E+00	G1	1.3302438E+00							
(4S+,4D-)	F0	1.9606716E+00	G2	9.6853594E-01							
(4S+,4D+)	F0	1.9350476E+00	G2	9.5208155E-01							
(4S+,4F-)	F0	1.8364168E+00	G3	6.3708623E-01							
(4S+,4F+)	F0	1.8211810E+00	G3	6.3128244E-01							
(4S+,5S+)	F0	1.1126525E+00	G0	6.0584173E-02							
(4S+,5P-)	F0	1.0339759E+00	G1	6.4813637E-02							
(4S+,5P+)	F0	9.5559089E-01	G1	6.7541106E-02							
(4S+,5D-)	F0	6.8890377E-01	G2	2.9740773E-02							
(4S+,5D+)	F0	6.6053614E-01	G2	2.9030233E-02							
(4S+,6S+)	F0	3.9879681E-01	G0	4.7733683E-03							
(4P-,4P-)	F0	2.0600379E+00									
(4P-,4P+)	F0	1.9800670E+00	G2	1.0077432E+00							
(4P-,4D-)	F0	1.9535609E+00	G1	1.2632438E+00							
(4P-,4D+)	F0	1.9280603E+00	G3	7.7296013E-01							
(4P-,4F-)	F0	1.8290877E+00	G2	7.8068159E-01							
(4P-,4F+)	F0	1.8139681E+00	G4	5.3645456E-01							
(4P-,5S+)	F0	1.1115901E+00	G1	8.1745015E-02							
(4P-,5P-)	F0	1.0332510E+00	G0	5.5127485E-02							
(4P-,5P+)	F0	9.5492095E-01	G2	6.3916779E-02							
(4P-,5D-)	F0	6.8859596E-01	G1	3.3382801E-02							
(4P-,5D+)	F0	6.6024440E-01	G3	2.6147555E-02							
(4P-,6S+)	F0	3.9870513E-01	G1	6.5363294E-03							
(4P+,4P+)	F0	1.9111862E+00	F2	9.9706702E-01							
(4P+,4D-)	F0	1.8857526E+00	F2	9.6502551E-01	G1	1.2118356E+00	G3	7.6375292E-01			
(4P+,4D+)	F0	1.8633713E+00	F2	9.5448363E-01	G1	1.2060453E+00	G3	7.5837871E-01			

TABLE 1.– CONTINUED

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(4P+,4F-)	F0	1.7691676E+00	F2	8.7317934E-01	G2	7.4645252E-01	G4	5.2235927E-01	
(4P+,4F+)	F0	1.7555476E+00	F2	8.6650239E-01	G2	7.4300351E-01	G4	5.1955448E-01	
(4P+,5S+)	F0	1.0999933E+00	G1	8.8055442E-02					
(4P+,5P-)	F0	1.0234053E+00	G2	7.2450683E-02					
(4P+,5P+)	F0	9.4667654E-01	F2	2.4808760E-01	G0	4.8864294E-02	G2	6.2406591E-02	
(4P+,5D-)	F0	6.8469989E-01	F2	1.2339162E-01	G1	2.7171547E-02	G3	2.4896282E-02	
(4P+,5D+)	F0	6.5669193E-01	F2	1.1303743E-01	G1	2.6837169E-02	G3	2.3751938E-02	
(4P+,6S+)	F0	3.9768915E-01	G1	6.8151370E-03					
(4D-,4D-)	F0	1.8643294E+00	F2	9.4429188E-01					
(4D-,4D+)	F0	1.8422951E+00	F2	9.3364074E-01	G2	9.3021019E-01	G4	6.2356733E-01	
(4D-,4F-)	F0	1.7490997E+00	F2	8.5350634E-01	G1	9.8787506E-01	G3	6.3148608E-01	
(4D-,4F+)	F0	1.7357596E+00	F2	8.4719788E-01	G3	6.2572413E-01	G5	4.4528952E-01	
(4D-,5S+)	F0	1.0956109E+00	G2	1.0994859E-01					
(4D-,5P-)	F0	1.0198665E+00	G1	8.6373674E-02					
(4D-,5P+)	F0	9.4374410E-01	F2	2.5499873E-01	G1	6.7303672E-02	G3	6.6604779E-02	
(4D-,5D-)	F0	6.8365728E-01	F2	1.2842629E-01	G0	2.6980632E-02	G2	3.2063534E-02	
(4D-,5D+)	F0	6.5573200E-01	F2	1.1759284E-01	G2	2.9680689E-02	G4	2.4389247E-02	
(4D-,6S+)	F0	3.9731609E-01	G2	8.1168579E-03					
(4D+,4D+)	F0	1.8211981E+00	F2	9.2441078E-01	F4	6.1946645E-01			
(4D+,4F-)	F0	1.7298271E+00	F2	8.4410226E-01	F4	5.4219478E-01	G1	9.6934552E-01	G3 6.2100876E-01 G5 4.4246286E-01
(4D+,4F+)	F0	1.7169332E+00	F2	8.3831887E-01	F4	5.3868546E-01	G1	9.6695126E-01	G3 6.1896160E-01 G5 4.4087259E-01
(4D+,5S+)	F0	1.0916863E+00	G2	1.1627702E-01					
(4D+,5P-)	F0	1.0165760E+00	G3	8.7897623E-02					
(4D+,5P+)	F0	9.4101426E-01	F2	2.6061444E-01	G1	6.9691974E-02	G3	6.8949807E-02	
(4D+,5D-)	F0	6.8239130E-01	F2	1.3156794E-01	G2	3.2078387E-02	G4	2.6751452E-02	
(4D+,5D+)	F0	6.5458102E-01	F2	1.2047163E-01	F4	4.9280765E-02	G0	2.4971503E-02	G2 2.9786156E-02 G4 2.4646315E-02
(4D+,6S+)	F0	3.9697566E-01	G2	8.4251926E-03					
(4F-,4F-)	F0	1.6615614E+00	F2	8.1212644E-01	F4	5.1427913E-01			
(4F-,4F+)	F0	1.6495326E+00	F2	8.0612140E-01	F4	5.1043629E-01	G2	8.0261555E-01	G4 5.0831965E-01 G6 3.6708540E-01
(4F-,5S+)	F0	1.0688672E+00	G3	1.5546955E-01					
(4F-,5P-)	F0	9.9776183E-01	G2	1.4417105E-01					
(4F-,5P+)	F0	9.2588460E-01	F2	2.8199676E-01	G2	1.1147842E-01	G4	9.2734187E-02	
(4F-,5D-)	F0	6.7589321E-01	F2	1.4845114E-01	G1	5.1886047E-02	G3	4.6675591E-02	
(4F-,5D+)	F0	6.4872709E-01	F2	1.3629136E-01	F4	6.1749379E-02	G1	4.5681028E-02	G3 4.1549360E-02 G5 3.2817846E-02
(4F-,6S+)	F0	3.9516198E-01	G3	9.5871606E-03					
(4F+,4F+)	F0	1.6377528E+00	F2	8.0038779E-01	F4	5.0679542E-01	F6	3.6595047E-01	
(4F+,5S+)	F0	1.0658363E+00	G3	1.5938723E-01					
(4F+,5P-)	F0	9.9523979E-01	G4	1.1997636E-01					
(4F+,5P+)	F0	9.2382456E-01	F2	2.8516564E-01	G2	1.1506054E-01	G4	9.5242573E-02	
(4F+,5D-)	F0	6.7497504E-01	F2	1.5064558E-01	G3	4.8019941E-02	G5	3.7723006E-02	
(4F+,5D+)	F0	6.4789808E-01	F2	1.3834710E-01	F4	6.3074067E-02	G1	4.7545507E-02	G3 4.2869755E-02 G5 3.3779213E-02
(4F+,6S+)	F0	3.9491469E-01	G3	9.7555144E-03					
(5S+,5S+)	F0	8.9261504E-01							
(5S+,5P-)	F0	8.5262562E-01	G1	5.8743602E-01					
(5S+,5P+)	F0	8.0926696E-01	G1	5.2570984E-01					
(5S+,5D-)	F0	6.2613756E-01	G2	2.1563099E-01					
(5S+,5D+)	F0	6.0410040E-01	G2	1.9373189E-01					
(5S+,6S+)	F0	3.8148261E-01	G0	1.3570834E-02					
(5P-,5P-)	F0	8.1814733E-01							
(5P-,5P+)	F0	7.8041516E-01	G2	4.0969687E-01					
(5P-,5D-)	F0	6.1280747E-01	G1	3.1641375E-01					
(5P-,5D+)	F0	5.9216355E-01	G3	1.7768373E-01					
(5P-,6S+)	F0	3.7867136E-01	G1	2.1207248E-02					
(5P+,5P+)	F0	7.4856433E-01	F2	4.0201588E-01					
(5P+,5D-)	F0	5.9766409E-01	F2	2.8728852E-01	G1	3.4590296E-01	G3	2.1194753E-01	

TABLE 1.– CONTINUED

OSMIUM 5D6 Z=76

(5P+,5D+)	F0	5.7856114E-01	F2	2.7178791E-01	G1	3.2048130E-01	G3 1.9627575E-01
(5P+,6S+)	F0	3.7552094E-01	G1	2.7754608E-02			
(5D-,5D-)	F0	5.1009705E-01	F2	2.5628105E-01			
(5D-,5D+)	F0	4.9774962E-01	F2	2.4904445E-01	G2	2.4872137E-01	G4 1.6166614E-01
(5D-,6S+)	F0	3.5361479E-01	G2	9.0940867E-02			
(5D+,5D+)	F0	4.8619097E-01	F2	2.4278457E-01	F4	1.5753947E-01	
(5D+,6S+)	F0	3.4971772E-01	G2	9.8236306E-02			
(6S+,6S+)	F0	2.9673884E-01					

IRIDIUM 5D9 Z=77

(1S+,1S+)	F0	5.4544233E+01		
(1S+,2S+)	F0	1.7994142E+01	G0	2.1454023E+00
(1S+,2P-)	F0	2.1181296E+01	G1	3.5768070E+00
(1S+,2P+)	F0	1.8147720E+01	G1	3.0644782E+00
(1S+,3S+)	F0	7.2670122E+00	G0	4.3050359E-01
(1S+,3P-)	F0	7.8776770E+00	G1	7.0321625E-01
(1S+,3P+)	F0	7.0640736E+00	G1	6.5597189E-01
(1S+,3D-)	F0	7.0657608E+00	G2	2.8059658E-02
(1S+,3D+)	F0	6.8307906E+00	G2	3.0483185E-02
(1S+,4S+)	F0	3.2424267E+00	G0	1.0556836E-01
(1S+,4P-)	F0	3.3099881E+00	G1	1.6473760E-01
(1S+,4P+)	F0	3.0031154E+00	G1	1.5310325E-01
(1S+,4D-)	F0	2.8211119E+00	G2	6.9190828E-03
(1S+,4D+)	F0	2.7376095E+00	G2	7.4958105E-03
(1S+,4F-)	F0	2.3321342E+00	G3	2.2187529E-05
(1S+,4F+)	F0	2.2986707E+00	G3	2.5947752E-05
(1S+,5S+)	F0	1.3429439E+00	G0	2.0099826E-02
(1S+,5P-)	F0	1.2482225E+00	G1	2.6957060E-02
(1S+,5P+)	F0	1.1240298E+00	G1	2.3890907E-02
(1S+,5D-)	F0	7.4266986E-01	G2	5.0100176E-04
(1S+,5D+)	F0	6.9813851E-01	G2	5.0026544E-04
(2S+,2S+)	F0	1.2421484E+01		
(2S+,2P-)	F0	1.3465789E+01	G1	6.9690432E+00
(2S+,2P+)	F0	1.2736766E+01	G1	7.2232150E+00
(2S+,3S+)	F0	6.1552243E+00	G0	5.4336779E-01
(2S+,3P-)	F0	6.5015891E+00	G1	5.2022710E-01
(2S+,3P+)	F0	6.0531201E+00	G1	4.5437578E-01
(2S+,3D-)	F0	6.7718933E+00	G2	1.5575305E+00
(2S+,3D+)	F0	6.5892423E+00	G2	1.4818987E+00
(2S+,4S+)	F0	2.9680865E+00	G0	1.1396516E-01
(2S+,4P-)	F0	2.9901696E+00	G1	1.0986947E-01
(2S+,4P+)	F0	2.7712964E+00	G1	9.2840917E-02
(2S+,4D-)	F0	2.7547414E+00	G2	2.8240699E-01
(2S+,4D+)	F0	2.6833831E+00	G2	2.7051394E-01
(2S+,4F-)	F0	2.3308393E+00	G3	1.5729834E-02
(2S+,4F+)	F0	2.2975636E+00	G3	1.5152370E-02
(2S+,5S+)	F0	1.2906250E+00	G0	2.1006275E-02
(2S+,5P-)	F0	1.1959571E+00	G1	1.7620197E-02
(2S+,5P+)	F0	1.0879736E+00	G1	1.4132668E-02
(2S+,5D-)	F0	7.3792694E-01	G2	1.9521690E-02
(2S+,5D+)	F0	6.9456806E-01	G2	1.7269734E-02

TABLE 1.– CONTINUED

IRIDIUM 5D9 Z=77

(2P-,2P-)	F0	1.5205594E+01						
(2P-,2P+)	F0	1.4136959E+01	G2	6.1493216E+00				
(2P-,3S+)	F0	6.3399191E+00	G1	6.1211706E-01				
(2P-,3P-)	F0	6.7705651E+00	G0	7.2614908E-01				
(2P-,3P+)	F0	6.2868457E+00	G2	6.3887978E-01				
(2P-,3D-)	F0	6.8796319E+00	G1	1.5666473E+00				
(2P-,3D+)	F0	6.6803470E+00	G3	8.1081689E-01				
(2P-,4S+)	F0	3.0128552E+00	G1	1.3433718E-01				
(2P-,4P-)	F0	3.0513274E+00	G0	1.4608798E-01				
(2P-,4P+)	F0	2.8239102E+00	G2	1.3491086E-01				
(2P-,4D-)	F0	2.7785335E+00	G1	2.9565884E-01				
(2P-,4D+)	F0	2.7034380E+00	G3	1.5633235E-01				
(2P-,4F-)	F0	2.3314032E+00	G2	1.2024059E-02				
(2P-,4F+)	F0	2.2980502E+00	G4	7.2298425E-03				
(2P-,5S+)	F0	1.2991305E+00	G1	2.4984865E-02				
(2P-,5P-)	F0	1.2059079E+00	G0	2.3205403E-02				
(2P-,5P+)	F0	1.0961275E+00	G2	2.0650179E-02				
(2P-,5D-)	F0	7.3962119E-01	G1	2.0568290E-02				
(2P-,5D+)	F0	6.9588456E-01	G3	1.0065667E-02				
(2P+,2P+)	F0	1.3302177E+01	F2	6.3166751E+00				
(2P+,3S+)	F0	6.2071206E+00	G1	5.9958741E-01				
(2P+,3P-)	F0	6.5978263E+00	G2	6.7167224E-01				
(2P+,3P+)	F0	6.1453541E+00	F2	1.5182878E+00	G0	6.0622099E-01	G2	6.5750023E-01
(2P+,3D-)	F0	6.8099169E+00	F2	2.0689293E+00	G1	1.8338688E+00	G3	1.0549348E+00
(2P+,3D+)	F0	6.6207094E+00	F2	1.9431168E+00	G1	1.7886634E+00	G3	1.0295303E+00
(2P+,4S+)	F0	2.9804828E+00	G1	1.2922679E-01				
(2P+,4P-)	F0	3.0117005E+00	G2	1.4159188E-01				
(2P+,4P+)	F0	2.7918900E+00	F2	3.4351120E-01	G0	1.1875009E-01	G2	1.3818309E-01
(2P+,4D-)	F0	2.7635161E+00	F2	3.8555001E-01	G1	3.2643331E-01	G3	1.9341434E-01
(2P+,4D+)	F0	2.6906381E+00	F2	3.6110394E-01	G1	3.2197190E-01	G3	1.9051334E-01
(2P+,4F-)	F0	2.3309473E+00	F2	1.3965384E-01	G2	1.7745443E-02	G4	1.1449458E-02
(2P+,4F+)	F0	2.2976509E+00	F2	1.3360644E-01	G2	1.7360981E-02	G4	1.1199547E-02
(2P+,5S+)	F0	1.2929725E+00	G1	2.3949868E-02				
(2P+,5P-)	F0	1.1994486E+00	G2	2.2697752E-02				
(2P+,5P+)	F0	1.0911598E+00	F2	5.3896063E-02	G0	1.7922299E-02	G2	2.1131290E-02
(2P+,5D-)	F0	7.3855541E-01	F2	2.7438313E-02	G1	2.2522323E-02	G3	1.3405911E-02
(2P+,5D+)	F0	6.9504719E-01	F2	2.3735317E-02	G1	2.0529341E-02	G3	1.2198544E-02
(3S+,3S+)	F0	4.7264203E+00						
(3S+,3P-)	F0	4.8491403E+00	G1	3.0464322E+00				
(3S+,3P+)	F0	4.6593393E+00	G1	3.0317058E+00				
(3S+,3D-)	F0	4.9434595E+00	G2	1.9894428E+00				
(3S+,3D+)	F0	4.8877848E+00	G2	2.0162033E+00				
(3S+,4S+)	F0	2.6533522E+00	G0	1.8941850E-01				
(3S+,4P-)	F0	2.6492018E+00	G1	1.9735037E-01				
(3S+,4P+)	F0	2.4813670E+00	G1	2.0222262E-01				
(3S+,4D-)	F0	2.4523623E+00	G2	1.3820968E-01				
(3S+,4D+)	F0	2.4018373E+00	G2	1.3052626E-01				
(3S+,4F-)	F0	2.2765188E+00	G3	3.2772131E-01				
(3S+,4F+)	F0	2.2470815E+00	G3	3.1654934E-01				
(3S+,5S+)	F0	1.2315929E+00	G0	3.0023839E-02				
(3S+,5P-)	F0	1.1410982E+00	G1	2.8018762E-02				
(3S+,5P+)	F0	1.0434736E+00	G1	2.7308056E-02				
(3S+,5D-)	F0	7.1710596E-01	G2	9.3812024E-03				
(3S+,5D+)	F0	6.7668704E-01	G2	8.0933130E-03				
(3P-,3P-)	F0	5.0018497E+00						

TABLE 1.– CONTINUED

IRIDIUM 5D9 Z=77

(3P-,3P+)	F0	4.7858285E+00	G2	2.3079597E+00						
(3P-,3D-)	F0	5.1026810E+00	G1	2.7936166E+00						
(3P-,3D+)	F0	5.0393340E+00	G3	1.8027700E+00						
(3P-,4S+)	F0	2.6782026E+00	G1	2.4050455E-01						
(3P-,4P-)	F0	2.6781582E+00	G0	2.0887008E-01						
(3P-,4P+)	F0	2.5060135E+00	G2	2.2146371E-01						
(3P-,4D-)	F0	2.4750835E+00	G1	1.4031488E-01						
(3P-,4D+)	F0	2.4235597E+00	G3	1.4309718E-01						
(3P-,4F-)	F0	2.2834979E+00	G2	3.7475219E-01						
(3P-,4F+)	F0	2.2536126E+00	G4	2.3697244E-01						
(3P-,5S+)	F0	1.2362042E+00	G1	3.9405632E-02						
(3P-,5P-)	F0	1.1457097E+00	G0	2.9026614E-02						
(3P-,5P+)	F0	1.0472255E+00	G2	3.0974363E-02						
(3P-,5D-)	F0	7.1864744E-01	G1	9.0731211E-03						
(3P-,5D+)	F0	6.7804605E-01	G3	8.6948387E-03						
(3P+,3P+)	F0	4.6027300E+00	F2	2.2936068E+00						
(3P+,3D-)	F0	4.8682355E+00	F2	2.2957541E+00	G1	2.4383252E+00	G3	1.6137720E+00		
(3P+,3D+)	F0	4.8140072E+00	F2	2.3014189E+00	G1	2.4850386E+00	G3	1.6445282E+00		
(3P+,4S+)	F0	2.6414918E+00	G1	2.4070323E-01						
(3P+,4P-)	F0	2.6391636E+00	G2	2.3817703E-01						
(3P+,4P+)	F0	2.4726964E+00	F2	7.0019718E-01	G0	1.8478354E-01	G2	2.1641742E-01		
(3P+,4D-)	F0	2.4425890E+00	F2	6.6975147E-01	G1	1.5342745E-01	G3	1.5693075E-01		
(3P+,4D+)	F0	2.3923782E+00	F2	6.4357633E-01	G1	1.4144451E-01	G3	1.4864656E-01		
(3P+,4F-)	F0	2.2690637E+00	F2	6.9582331E-01	G2	4.3874443E-01	G4	2.9058981E-01		
(3P+,4F+)	F0	2.2399927E+00	F2	6.7659940E-01	G2	4.2577989E-01	G4	2.8214487E-01		
(3P+,5S+)	F0	1.2294269E+00	G1	3.8529459E-02						
(3P+,5P-)	F0	1.1395256E+00	G2	3.4141871E-02						
(3P+,5P+)	F0	1.0421828E+00	F2	1.1680938E-01	G0	2.4467829E-02	G2	3.0089700E-02		
(3P+,5D-)	F0	7.1643947E-01	F2	5.2723995E-02	G1	1.0209914E-02	G3	1.0492716E-02		
(3P+,5D+)	F0	6.7609303E-01	F2	4.6805984E-02	G1	8.6475154E-03	G3	9.1516845E-03		
(3D-,3D-)	F0	5.3144083E+00	F2	2.6864129E+00						
(3D-,3D+)	F0	5.2412749E+00	F2	2.6590197E+00	G2	2.6083045E+00	G4	1.6773903E+00		
(3D-,4S+)	F0	2.6965401E+00	G2	2.2529983E-01						
(3D-,4P-)	F0	2.6955869E+00	G1	2.2865220E-01						
(3D-,4P+)	F0	2.5214633E+00	F2	6.3249085E-01	G1	1.9930066E-01	G3	1.9637813E-01		
(3D-,4D-)	F0	2.5060906E+00	F2	6.3898685E-01	G0	2.0223664E-01	G2	2.4702851E-01		
(3D-,4D+)	F0	2.4536922E+00	F2	6.1617927E-01	G2	2.3522029E-01	G4	1.8264326E-01		
(3D-,4F-)	F0	2.2897890E+00	F2	5.8195729E-01	G1	4.4908386E-01	G3	2.6387521E-01		
(3D-,4F+)	F0	2.2594204E+00	F2	5.6428583E-01	G3	2.5147160E-01	G5	1.7400739E-01		
(3D-,5S+)	F0	1.2395784E+00	G2	3.7355078E-02						
(3D-,5P-)	F0	1.1484428E+00	G1	3.2166686E-02						
(3D-,5P+)	F0	1.0495555E+00	F2	1.0397817E-01	G1	2.7259788E-02	G3	2.7879584E-02		
(3D-,5D-)	F0	7.2074335E-01	F2	4.8895673E-02	G0	1.2451786E-02	G2	1.6011830E-02		
(3D-,5D+)	F0	6.7992895E-01	F2	4.3538960E-02	G2	1.4074729E-02	G4	1.1129035E-02		
(3D+,3D+)	F0	5.1720090E+00	F2	2.6360617E+00	F4	1.6959178E+00				
(3D+,4S+)	F0	2.6851007E+00	G2	2.2934654E-01						
(3D+,4P-)	F0	2.6834008E+00	G3	2.2974582E-01						
(3D+,4P+)	F0	2.5109713E+00	F2	6.4529477E-01	G1	2.0035908E-01	G3	2.0022569E-01		
(3D+,4D-)	F0	2.4949112E+00	F2	6.4887539E-01	G2	2.4028974E-01	G4	1.8898091E-01		
(3D+,4D+)	F0	2.4431287E+00	F2	6.2570517E-01	F4	2.9922414E-01	G0	1.9298752E-01	G2	2.3932687E-01	G4	1.8699315E-01
(3D+,4F-)	F0	2.2862603E+00	F2	6.0123229E-01	F4	2.9781283E-01	G1	4.6580527E-01	G3	2.7422742E-01	G5	1.8976379E-01
(3D+,4F+)	F0	2.2561013E+00	F2	5.8324337E-01	F4	2.8669364E-01	G1	4.5408945E-01	G3	2.6735933E-01	G5	1.8501904E-01
(3D+,5S+)	F0	1.2374539E+00	G2	3.7730880E-02						
(3D+,5P-)	F0	1.1464994E+00	G3	3.3523588E-02						
(3D+,5P+)	F0	1.0479577E+00	F2	1.0636007E-01	G1	2.7281560E-02	G3	2.8331375E-02		

IRIDIUM 509 Z=77

TABLE 1.– CONTINUED

(3D+,5D-)	F0	7.1997827E-01	F2	4.9854527E-02	G2	1.5533497E-02	G4	1.2456112E-02			
(3D+,5D+)	F0	6.7926227E-01	F2	4.4393507E-02	F4	1.7954033E-02	G0	1.0959628E-02	G2	1.4302739E-02	G4 1.1383989E-02
(4S+,4S+)	F0	2.1177747E+00									
(4S+,4P-)	F0	2.1101492E+00	G1	1.4232676E+00							
(4S+,4P+)	F0	2.0263410E+00	G1	1.3551454E+00							
(4S+,4D-)	F0	2.0022814E+00	G2	9.8943912E-01							
(4S+,4D+)	F0	1.9756891E+00	G2	9.7248846E-01							
(4S+,4F-)	F0	1.8911272E+00	G3	6.5978007E-01							
(4S+,4F+)	F0	1.8758343E+00	G3	6.5431369E-01							
(4S+,5S+)	F0	1.1417935E+00	G0	6.2801783E-02							
(4S+,5P-)	F0	1.0631324E+00	G1	6.7302262E-02							
(4S+,5P+)	F0	9.7936208E-01	G1	6.9942723E-02							
(4S+,5D-)	F0	6.8822305E-01	G2	2.9020362E-02							
(4S+,5D+)	F0	6.5133191E-01	G2	2.7615067E-02							
(4P-,4P-)	F0	2.1035620E+00									
(4P-,4P+)	F0	2.0198058E+00	G2	1.0264048E+00							
(4P-,4D-)	F0	1.9959748E+00	G1	1.2905975E+00							
(4P-,4D+)	F0	1.9694639E+00	G3	7.8965485E-01							
(4P-,4F-)	F0	1.8843527E+00	G2	8.0793442E-01							
(4P-,4F+)	F0	1.8691547E+00	G4	5.5637744E-01							
(4P-,5S+)	F0	1.1408585E+00	G1	8.4640734E-02							
(4P-,5P-)	F0	1.0625220E+00	G0	5.7377289E-02							
(4P-,5P+)	F0	9.7878771E-01	G2	6.6154893E-02							
(4P-,5D-)	F0	6.8797431E-01	G1	3.2605301E-02							
(4P-,5D+)	F0	6.5110032E-01	G3	2.4952475E-02							
(4P+,4P+)	F0	1.9479577E+00	F2	1.0161943E+00							
(4P+,4D-)	F0	1.9248670E+00	F2	9.8509326E-01	G1	1.2358218E+00	G3	7.7946679E-01			
(4P+,4D+)	F0	1.9016897E+00	F2	9.7432602E-01	G1	1.2303718E+00	G3	7.7421378E-01			
(4P+,4F-)	F0	1.8201874E+00	F2	9.0107239E-01	G2	7.6908061E-01	G4	5.3926647E-01			
(4P+,4F+)	F0	1.8065735E+00	F2	8.9472246E-01	G2	7.6626772E-01	G4	5.3688232E-01			
(4P+,5S+)	F0	1.1284951E+00	G1	9.1267593E-02							
(4P+,5P-)	F0	1.0519662E+00	G2	7.5513185E-02							
(4P+,5P+)	F0	9.7002191E-01	F2	2.5597811E-01	G0	5.0481831E-02	G2	6.4492984E-02			
(4P+,5D-)	F0	6.8403863E-01	F2	1.2209060E-01	G1	2.6386745E-02	G3	2.4341366E-02			
(4P+,5D+)	F0	6.4760843E-01	F2	1.0923864E-01	G1	2.5397088E-02	G3	2.2610966E-02			
(4D-,4D-)	F0	1.9058118E+00	F2	9.6555051E-01							
(4D-,4D+)	F0	1.8828807E+00	F2	9.5448653E-01	G2	9.5081933E-01	G4	6.3772323E-01			
(4D-,4F-)	F0	1.8018729E+00	F2	8.8179407E-01	G1	1.0176633E+00	G3	6.5245821E-01			
(4D-,4F+)	F0	1.7884826E+00	F2	8.7573888E-01	G3	6.4691492E-01	G5	4.6091796E-01			
(4D-,5S+)	F0	1.1244549E+00	G2	1.1303940E-01							
(4D-,5P-)	F0	1.0486951E+00	G1	8.9340743E-02							
(4D-,5P+)	F0	9.6733326E-01	F2	2.6229912E-01	G1	6.9103262E-02	G3	6.8477260E-02			
(4D-,5D-)	F0	6.8316698E-01	F2	1.2667741E-01	G0	2.6397188E-02	G2	3.1403900E-02			
(4D-,5D+)	F0	6.4682626E-01	F2	1.1330139E-01	G2	2.8302694E-02	G4	2.3285203E-02			
(4D+,4D+)	F0	1.8609469E+00	F2	9.4494125E-01	F4	6.3356238E-01					
(4D+,4F-)	F0	1.7814161E+00	F2	8.7151416E-01	F4	5.6039815E-01	G1	9.9715736E-01	G3	6.4085045E-01	G5 4.5718148E-01
(4D+,4F+)	F0	1.7684932E+00	F2	8.6601285E-01	F4	5.5715007E-01	G1	9.9558316E-01	G3	6.3931191E-01	G5 4.5594933E-01
(4D+,5S+)	F0	1.1203107E+00	G2	1.1960701E-01							
(4D+,5P-)	F0	1.0451991E+00	G3	9.1127224E-02							
(4D+,5P+)	F0	9.6445606E-01	F2	2.6814169E-01	G1	7.1511132E-02	G3	7.0879878E-02			
(4D+,5D-)	F0	6.8189752E-01	F2	1.2983586E-01	G2	3.1409834E-02	G4	2.6235456E-02			
(4D+,5D+)	F0	6.4570333E-01	F2	1.1613814E-01	F4	4.7312620E-02	G0	2.3783335E-02	G2	2.8401501E-02	G4 2.3532780E-02
(4F-,4F-)	F0	1.7240358E+00	F2	8.4733199E-01	F4	5.3760231E-01					
(4F-,4F+)	F0	1.7117455E+00	F2	8.4125486E-01	F4	5.3372429E-01	G2	8.3738203E-01	G4	5.3138112E-01	G6 3.8405180E-01
(4F-,5S+)	F0	1.1002688E+00	G3	1.5510311E-01							

TABLE 1.– CONTINUED

IRIDIUM 5D9 Z=77

(4F-,5P-)	F0 1.0285810E+00	G2 1.4342432E-01			
(4F-,5P+)	F0 9.5122485E-01	F2 2.8670493E-01	G2 1.0949920E-01	G4 9.2019707E-02	
(4F-,5D-)	F0 6.7649175E-01	F2 1.4410935E-01	G1 4.8085836E-02	G3 4.3914986E-02	
(4F-,5D+)	F0 6.4096417E-01	F2 1.2925828E-01	F4 5.7767078E-02	G1 4.1238777E-02	G3 3.8064764E-02 G5 3.0215646E-02
(4F+,4F+)	F0 1.6997117E+00	F2 8.3546089E-01	F4 5.3005789E-01	F6 3.8306373E-01	
(4F+,5S+)	F0 1.0972578E+00	G3 1.5904908E-01			
(4F+,5P-)	F0 1.0260612E+00	G4 1.2042153E-01			
(4F+,5P+)	F0 9.4918267E-01	F2 2.8994696E-01	G2 1.1298754E-01	G4 9.4488629E-02	
(4F+,5D-)	F0 6.7562306E-01	F2 1.4623105E-01	G3 4.5126970E-02	G5 3.5635250E-02	
(4F+,5D+)	F0 6.4020047E-01	F2 1.3120438E-01	F4 5.8990288E-02	G1 4.2861687E-02	G3 3.9237322E-02 G5 3.1075381E-02
(5S+,5S+)	F0 9.1638687E-01				
(5S+,5P-)	F0 8.7625090E-01	G1 6.0358203E-01			
(5S+,5P+)	F0 8.2979245E-01	G1 5.3765939E-01			
(5S+,5D-)	F0 6.2698997E-01	G2 2.1093818E-01			
(5S+,5D+)	F0 5.9774444E-01	G2 1.8489761E-01			
(5P-,5P-)	F0 8.4150178E-01				
(5P-,5P+)	F0 8.0090366E-01	G2 4.1908864E-01			
(5P-,5D-)	F0 6.1421916E-01	G1 3.0951315E-01			
(5P-,5D+)	F0 5.8659831E-01	G3 1.6937360E-01			
(5P+,5P+)	F0 7.6683911E-01	F2 4.1113154E-01			
(5P+,5D-)	F0 5.9870536E-01	F2 2.8336986E-01	G1 3.4008281E-01	G3 2.0784264E-01	
(5P+,5D+)	F0 5.7300980E-01	F2 2.6311314E-01	G1 3.0828436E-01	G3 1.8824051E-01	
(5D-,5D-)	F0 5.0325068E-01	F2 2.4835062E-01			
(5D-,5D+)	F0 4.8660840E-01	F2 2.3833084E-01	G2 2.3794169E-01	G4 1.5344965E-01	
(5D+,5D+)	F0 4.7124561E-01	F2 2.2977407E-01	F4 1.4775550E-01		

PLATINUM 5D9 6S1 Z=78

(1S+,1S+)	F0 5.5490467E+01		
(1S+,2S+)	F0 1.8333421E+01	G0 2.1992043E+00	
(1S+,2P-)	F0 2.1599634E+01	G1 3.6333307E+00	
(1S+,2P+)	F0 1.8416436E+01	G1 3.0989261E+00	
(1S+,3S+)	F0 7.4075110E+00	G0 4.4246636E-01	
(1S+,3P-)	F0 8.0368733E+00	G1 7.1630551E-01	
(1S+,3P+)	F0 7.1823224E+00	G1 6.6700888E-01	
(1S+,3D-)	F0 7.1866305E+00	G2 2.8365519E-02	
(1S+,3D+)	F0 6.9410535E+00	G2 3.0920873E-02	
(1S+,4S+)	F0 3.3108194E+00	G0 1.0905952E-01	
(1S+,4P-)	F0 3.3842955E+00	G1 1.6885579E-01	
(1S+,4P+)	F0 3.0624268E+00	G1 1.5678451E-01	
(1S+,4D-)	F0 2.8833979E+00	G2 7.0790956E-03	
(1S+,4D+)	F0 2.7962291E+00	G2 7.6988186E-03	
(1S+,4F-)	F0 2.4067477E+00	G3 2.3520785E-05	
(1S+,4F+)	F0 2.3722859E+00	G3 2.7691025E-05	
(1S+,5S+)	F0 1.3849665E+00	G0 2.1300324E-02	
(1S+,5P-)	F0 1.2941246E+00	G1 2.8614530E-02	
(1S+,5P+)	F0 1.1640369E+00	G1 2.5415460E-02	
(1S+,5D-)	F0 8.0741880E-01	G2 5.9100098E-04	
(1S+,5D+)	F0 7.6539272E-01	G2 6.0306901E-04	
(1S+,6S+)	F0 4.2312419E-01	G0 1.7083722E-03	
(2S+,2S+)	F0 1.2642934E+01		
(2S+,2P-)	F0 1.3711489E+01	G1 7.0775747E+00	

TABLE 1.– CONTINUED

PLATINUM 5D9 6S1 Z=78

(2S+,2P+)	F0	1.2944589E+01	G1	7.3423387E+00				
(2S+,3S+)	F0	6.2681111E+00	G0	5.5591250E-01				
(2S+,3P-)	F0	6.6244830E+00	G1	5.3107393E-01				
(2S+,3P+)	F0	6.1542696E+00	G1	4.6287051E-01				
(2S+,3D-)	F0	6.8876326E+00	G2	1.5804476E+00				
(2S+,3D+)	F0	6.6966752E+00	G2	1.5018364E+00				
(2S+,4S+)	F0	3.0281596E+00	G0	1.1717942E-01				
(2S+,4P-)	F0	3.0539096E+00	G1	1.1284878E-01				
(2S+,4P+)	F0	2.8250362E+00	G1	9.5108759E-02				
(2S+,4D-)	F0	2.8150605E+00	G2	2.8975757E-01				
(2S+,4D+)	F0	2.7406926E+00	G2	2.7739914E-01				
(2S+,4F-)	F0	2.4053718E+00	G3	1.6642673E-02				
(2S+,4F+)	F0	2.3711136E+00	G3	1.6036503E-02				
(2S+,5S+)	F0	1.3296663E+00	G0	2.2148176E-02				
(2S+,5P-)	F0	1.2382085E+00	G1	1.8736861E-02				
(2S+,5P+)	F0	1.1256826E+00	G1	1.5030783E-02				
(2S+,5D-)	F0	8.0179038E-01	G2	2.3061485E-02				
(2S+,5D+)	F0	7.6110258E-01	G2	2.0757321E-02				
(2S+,6S+)	F0	4.1868764E-01	G0	1.7671707E-03				
(2P-,2P-)	F0	1.5493745E+01						
(2P-,2P+)	F0	1.4368860E+01	G2	6.2308523E+00				
(2P-,3S+)	F0	6.4578248E+00	G1	6.2404171E-01				
(2P-,3P-)	F0	6.9009942E+00	G0	7.4400145E-01				
(2P-,3P+)	F0	6.3934507E+00	G2	6.5044863E-01				
(2P-,3D-)	F0	6.9976492E+00	G1	1.5884844E+00				
(2P-,3D+)	F0	6.7892501E+00	G3	8.1962446E-01				
(2P-,4S+)	F0	3.0743908E+00	G1	1.3763608E-01				
(2P-,4P-)	F0	3.1171796E+00	G0	1.5058067E-01				
(2P-,4P+)	F0	2.8792528E+00	G2	1.3824046E-01				
(2P-,4D-)	F0	2.8396437E+00	G1	3.0325369E-01				
(2P-,4D+)	F0	2.7613212E+00	G3	1.5993165E-01				
(2P-,4F-)	F0	2.4059733E+00	G2	1.2699585E-02				
(2P-,4F+)	F0	2.3716309E+00	G4	7.6302993E-03				
(2P-,5S+)	F0	1.3386765E+00	G1	2.6251724E-02				
(2P-,5P-)	F0	1.2488689E+00	G0	2.4759699E-02				
(2P-,5P+)	F0	1.1344101E+00	G2	2.1972729E-02				
(2P-,5D-)	F0	8.0380779E-01	G1	2.4295684E-02				
(2P-,5D+)	F0	7.6269117E-01	G3	1.2073016E-02				
(2P-,6S+)	F0	4.1941006E-01	G1	2.0975705E-03				
(2P+,2P+)	F0	1.3496825E+01	F2	6.4083238E+00				
(2P+,3S+)	F0	6.3176157E+00	G1	6.1118863E-01				
(2P+,3P-)	F0	6.7184813E+00	G2	6.8526455E-01				
(2P+,3P+)	F0	6.2448549E+00	F2	1.5452913E+00	G0	6.1751205E-01	G2	6.6966816E-01
(2P+,3D-)	F0	6.9244047E+00	F2	2.1086132E+00	G1	1.8684982E+00	G3	1.0748712E+00
(2P+,3D+)	F0	6.7268683E+00	F2	1.9771413E+00	G1	1.8216325E+00	G3	1.0485405E+00
(2P+,4S+)	F0	3.0400296E+00	G1	1.3228412E-01				
(2P+,4P-)	F0	3.0750416E+00	G2	1.4522494E-01				
(2P+,4P+)	F0	2.8453927E+00	F2	3.5188063E-01	G0	1.2168556E-01	G2	1.4163320E-01
(2P+,4D-)	F0	2.8236842E+00	F2	3.9691087E-01	G1	3.3576636E-01	G3	1.9899868E-01
(2P+,4D+)	F0	2.7477726E+00	F2	3.7128156E-01	G1	3.3132635E-01	G3	1.9639226E-01
(2P+,4F-)	F0	2.4054722E+00	F2	1.4724474E-01	G2	1.8959258E-02	G4	1.2233534E-02
(2P+,4F+)	F0	2.3711933E+00	F2	1.4081615E-01	G2	1.8561665E-02	G4	1.1974943E-02
(2P+,5S+)	F0	1.3319714E+00	G1	2.5137720E-02				
(2P+,5P-)	F0	1.2417558E+00	G2	2.4098269E-02				
(2P+,5P+)	F0	1.1289536E+00	F2	5.7268007E-02	G0	1.9365320E-02	G2	2.2490149E-02

TABLE 1.– CONTINUED

PLATINUM 5D9 6S1 Z=78

(2P+,5D-)	F0	8.0250269E-01	F2	3.2425538E-02	G1	2.6665399E-02	G3 1.5878960E-02
(2P+,5D+)	F0	7.6165153E-01	F2	2.8510092E-02	G1	2.4756325E-02	G3 1.4715687E-02
(2P+,6S+)	F0	4.1887235E-01	G1	2.0073941E-03			
(3S+,3S+)	F0	4.8116850E+00					
(3S+,3P-)	F0	4.9381527E+00	G1	3.0985190E+00			
(3S+,3P+)	F0	4.7389499E+00	G1	3.0821614E+00			
(3S+,3D-)	F0	5.0305445E+00	G2	2.0248594E+00			
(3S+,3D+)	F0	4.9722151E+00	G2	2.0526760E+00			
(3S+,4S+)	F0	2.7055483E+00	G0	1.9391744E-01			
(3S+,4P-)	F0	2.7036689E+00	G1	2.0190914E-01			
(3S+,4P+)	F0	2.5283886E+00	G1	2.0734253E-01			
(3S+,4D-)	F0	2.5044777E+00	G2	1.4181200E-01			
(3S+,4D+)	F0	2.4519755E+00	G2	1.3384412E-01			
(3S+,4F-)	F0	2.3480443E+00	G3	3.4460229E-01			
(3S+,4F+)	F0	2.3178932E+00	G3	3.3292544E-01			
(3S+,5S+)	F0	1.2675995E+00	G0	3.1477368E-02			
(3S+,5P-)	F0	1.1798605E+00	G1	2.9633060E-02			
(3S+,5P+)	F0	1.0783925E+00	G1	2.9023702E-02			
(3S+,5D-)	F0	7.7716880E-01	G2	1.1075230E-02			
(3S+,5D+)	F0	7.3961287E-01	G2	9.7146945E-03			
(3S+,6S+)	F0	4.1372087E-01	G0	2.4564777E-03			
(3P-,3P-)	F0	5.0956749E+00					
(3P-,3P+)	F0	4.8687024E+00	G2	2.3430263E+00			
(3P-,3D-)	F0	5.1942151E+00	G1	2.8455590E+00			
(3P-,3D+)	F0	5.1277798E+00	G3	1.8352334E+00			
(3P-,4S+)	F0	2.7312941E+00	G1	2.4584572E-01			
(3P-,4P-)	F0	2.7337226E+00	G0	2.1427679E-01			
(3P-,4P+)	F0	2.5538660E+00	G2	2.2655726E-01			
(3P-,4D-)	F0	2.5260902E+00	G1	1.4405621E-01			
(3P-,4D+)	F0	2.4745311E+00	G3	1.4688179E-01			
(3P-,4F-)	F0	2.3555144E+00	G2	3.9363626E-01			
(3P-,4F+)	F0	2.3248785E+00	G4	2.4892786E-01			
(3P-,5S+)	F0	1.2724993E+00	G1	4.1262938E-02			
(3P-,5P-)	F0	1.1848156E+00	G0	3.0779555E-02			
(3P-,5P+)	F0	1.0824204E+00	G2	3.2868131E-02			
(3P-,5D-)	F0	7.7901241E-01	G1	1.0700622E-02			
(3P-,5D+)	F0	7.4126597E-01	G3	1.0441745E-02			
(3P-,6S+)	F0	4.1411234E-01	G1	3.2353004E-03			
(3P+,3P+)	F0	4.6772843E+00	F2	2.3297754E+00			
(3P+,3D-)	F0	4.9487184E+00	F2	2.3321650E+00	G1	2.4733428E+00	G3 1.6376504E+00
(3P+,3D+)	F0	4.8921016E+00	F2	2.3381820E+00	G1	2.5223177E+00	G3 1.6699263E+00
(3P+,4S+)	F0	2.6925523E+00	G1	2.4619381E-01			
(3P+,4P-)	F0	2.6924836E+00	G2	2.4415541E-01			
(3P+,4P+)	F0	2.5187686E+00	F2	7.1484684E-01	G0	1.8897553E-01	G2 2.2116009E-01
(3P+,4D-)	F0	2.4937003E+00	F2	6.8686916E-01	G1	1.5800265E-01	G3 1.6138991E-01
(3P+,4D+)	F0	2.4415536E+00	F2	6.5959309E-01	G1	1.4530243E-01	G3 1.5266142E-01
(3P+,4F-)	F0	2.3398224E+00	F2	7.2772608E-01	G2	4.6257648E-01	G4 3.0646929E-01
(3P+,4F+)	F0	2.3100798E+00	F2	7.0774516E-01	G2	4.4908701E-01	G4 2.9768776E-01
(3P+,5S+)	F0	1.2651641E+00	G1	4.0326396E-02			
(3P+,5P-)	F0	1.1780450E+00	G2	3.6157537E-02			
(3P+,5P+)	F0	1.0769039E+00	F2	1.2332222E-01	G0	2.5934710E-02	G2 3.1888719E-02
(3P+,5D-)	F0	7.7632314E-01	F2	6.1533073E-02	G1	1.2095794E-02	G3 1.2412301E-02
(3P+,5D+)	F0	7.3884636E-01	F2	5.5524104E-02	G1	1.0402242E-02	G3 1.1004697E-02
(3P+,6S+)	F0	4.1352673E-01	G1	3.1519889E-03			
(3D-,3D-)	F0	5.4052709E+00	F2	2.7324535E+00			

TABLE 1.– CONTINUED

PLATINUM 5D9 6S1 Z=78

(3D-,3D+)	F0 5.3288192E+00	F2 2.7038106E+00	G2 2.6506062E+00	G4 1.7047668E+00					
(3D-,4S+)	F0 2.7493028E+00	G2 2.3034494E-01							
(3D-,4P-)	F0 2.7507578E+00	G1 2.3418930E-01							
(3D-,4P+)	F0 2.5689729E+00	F2 6.4543647E-01	G1 2.0344744E-01	G3 2.0047390E-01					
(3D-,4D-)	F0 2.5593264E+00	F2 6.5520129E-01	G0 2.0755407E-01	G2 2.5364514E-01					
(3D-,4D+)	F0 2.5048906E+00	F2 6.3149274E-01	G2 2.4128926E-01	G4 1.8739549E-01					
(3D-,4F-)	F0 2.3619655E+00	F2 6.0867165E-01	G1 4.7298791E-01	G3 2.7801476E-01					
(3D-,4F+)	F0 2.3308235E+00	F2 5.9021907E-01	G3 2.6487504E-01	G5 1.8331224E-01					
(3D-,5S+)	F0 1.2758956E+00	G2 3.9117248E-02							
(3D-,5P-)	F0 1.1875778E+00	G1 3.4041011E-02							
(3D-,5P+)	F0 1.0847852E+00	F2 1.0977150E-01	G1 2.8856732E-02	G3 2.9528877E-02					
(3D-,5D-)	F0 7.8144134E-01	F2 5.7149403E-02	G0 1.4666674E-02	G2 1.8894810E-02					
(3D-,5D+)	F0 7.4348793E-01	F2 5.1740728E-02	G2 1.6889989E-02	G4 1.3364796E-02					
(3D-,6S+)	F0 4.1438327E-01	G2 3.0738880E-03							
(3D+,3D+)	F0 5.2565227E+00	F2 2.6799338E+00	F4 1.7243399E+00						
(3D+,4S+)	F0 2.7372539E+00	G2 2.3460004E-01							
(3D+,4P-)	F0 2.7378967E+00	G3 2.3543287E-01							
(3D+,4P+)	F0 2.5579376E+00	F2 6.5882743E-01	G1 2.0454067E-01	G3 2.0450345E-01					
(3D+,4D-)	F0 2.5475135E+00	F2 6.6556566E-01	G2 2.4651598E-01	G4 1.9398395E-01					
(3D+,4D+)	F0 2.4937412E+00	F2 6.4147163E-01	F4 3.0720200E-01	G0 1.9787998E-01	G2 2.4563406E-01	G4 1.9199524E-01			
(3D+,4F-)	F0 2.3581342E+00	F2 6.2928167E-01	F4 3.1321358E-01	G1 4.9089551E-01	G3 2.8911775E-01	G5 2.0010174E-01			
(3D+,4F+)	F0 2.3272221E+00	F2 6.1050113E-01	F4 3.0152175E-01	G1 4.7881433E-01	G3 2.8203494E-01	G5 1.9520848E-01			
(3D+,5S+)	F0 1.2736006E+00	G2 3.9518523E-02							
(3D+,5P-)	F0 1.1854544E+00	G3 3.5508257E-02							
(3D+,5P+)	F0 1.0830399E+00	F2 1.1233801E-01	G1 2.8877321E-02	G3 3.0018963E-02					
(3D+,5D-)	F0 7.8051078E-01	F2 5.8278748E-02	G2 1.8311941E-02	G4 1.4700309E-02					
(3D+,5D+)	F0 7.4266345E-01	F2 5.2762939E-02	F4 2.1569779E-02	G0 1.3126584E-02	G2 1.7171810E-02	G4 1.3680115E-02			
(3D+,6S+)	F0 4.1419988E-01	G2 3.1023568E-03							
(4S+,4S+)	F0 2.1598039E+00								
(4S+,4P-)	F0 2.1531501E+00	G1 1.4514871E+00							
(4S+,4P+)	F0 2.0655589E+00	G1 1.3801152E+00							
(4S+,4D-)	F0 2.0441910E+00	G2 1.0104153E+00							
(4S+,4D+)	F0 2.0165910E+00	G2 9.9293365E-01							
(4S+,4F-)	F0 1.9452720E+00	G3 6.8190579E-01							
(4S+,4F+)	F0 1.9299118E+00	G3 6.7678564E-01							
(4S+,5S+)	F0 1.1737486E+00	G0 6.5395247E-02							
(4S+,5P-)	F0 1.0974463E+00	G1 7.0592615E-02							
(4S+,5P+)	F0 1.0106500E+00	G1 7.3727000E-02							
(4S+,5D-)	F0 7.4318711E-01	G2 3.3672983E-02							
(4S+,5D+)	F0 7.0927285E-01	G2 3.2637824E-02							
(4S+,6S+)	F0 4.0629627E-01	G0 4.5776720E-03							
(4P-,4P-)	F0 2.1475687E+00								
(4P-,4P+)	F0 2.0598650E+00	G2 1.0450592E+00							
(4P-,4D-)	F0 2.0387045E+00	G1 1.3180723E+00							
(4P-,4D+)	F0 2.0111414E+00	G3 8.0636727E-01							
(4P-,4F-)	F0 1.9391047E+00	G2 8.3455625E-01							
(4P-,4F+)	F0 1.9238173E+00	G4 5.7587520E-01							
(4P-,5S+)	F0 1.1729445E+00	G1 8.8040490E-02							
(4P-,5P-)	F0 1.0969534E+00	G0 6.0317609E-02							
(4P-,5P+)	F0 1.0101674E+00	G2 6.9701264E-02							
(4P-,5D-)	F0 7.4295768E-01	G1 3.7850265E-02							
(4P-,5D+)	F0 7.0905251E-01	G3 2.9606852E-02							
(4P-,6S+)	F0 4.0623492E-01	G1 6.2606840E-03							
(4P+,4P+)	F0 1.9849424E+00	F2 1.0353948E+00							
(4P+,4D-)	F0 1.9641717E+00	F2 1.0052011E+00	G1 1.2598063E+00	G3 7.9518032E-01					

TABLE 1.– CONTINUED

PLATINUM 5D9 6S1 Z=78

(4P+,4D+)	F0 1.9401700E+00	F2 9.9420116E-01	G1 1.2547162E+00	G3 7.9005693E-01					
(4P+,4F-)	F0 1.8705659E+00	F2 9.2833379E-01	G2 7.9087818E-01	G4 5.5561852E-01					
(4P+,4F+)	F0 1.8569511E+00	F2 9.2231701E-01	G2 7.8871573E-01	G4 5.5366666E-01					
(4P+,5S+)	F0 1.1597030E+00	G1 9.5036163E-02							
(4P+,5P-)	F0 1.0855199E+00	G2 7.9506928E-02							
(4P+,5P+)	F0 1.0006765E+00	F2 2.6773473E-01	G0 5.3071343E-02	G2 6.7841396E-02					
(4P+,5D-)	F0 7.3821816E-01	F2 1.3980309E-01	G1 3.0452653E-02	G3 2.8321895E-02					
(4P+,5D+)	F0 7.0477531E-01	F2 1.2703679E-01	G1 2.9835204E-02	G3 2.6763000E-02					
(4P+,6S+)	F0 4.0520088E-01	G1 6.5272934E-03							
(4D-,4D-)	F0 1.9474901E+00	F2 9.8686327E-01							
(4D-,4D+)	F0 1.9236295E+00	F2 9.7537023E-01	G2 9.7145405E-01	G4 6.5189323E-01					
(4D-,4F-)	F0 1.8541145E+00	F2 9.0959735E-01	G1 1.0466306E+00	G3 6.7292906E-01					
(4D-,4F+)	F0 1.8406663E+00	F2 9.0379948E-01	G3 6.6760660E-01	G5 4.7620068E-01					
(4D-,5S+)	F0 1.1559982E+00	G2 1.1679221E-01							
(4D-,5P-)	F0 1.0824982E+00	G1 9.3349881E-02							
(4D-,5P+)	F0 9.9819356E-01	F2 2.7349728E-01	G1 7.2216744E-02	G3 7.1674164E-02					
(4D-,5D-)	F0 7.3737013E-01	F2 1.4450769E-01	G0 3.0669571E-02	G2 3.6585606E-02					
(4D-,5D+)	F0 7.0399976E-01	F2 1.3125687E-01	G2 3.3544899E-02	G4 2.7655717E-02					
(4D-,6S+)	F0 4.0492113E-01	G2 7.6906474E-03							
(4D+,4D+)	F0 1.9008301E+00	F2 9.6549960E-01	F4 6.4767311E-01						
(4D+,4F-)	F0 1.8324464E+00	F2 8.9842107E-01	F4 5.7822073E-01	G1 1.0240878E+00	G3 6.6015383E-01	G5 4.7152663E-01			
(4D+,4F+)	F0 1.8194878E+00	F2 8.9320720E-01	F4 5.7524081E-01	G1 1.0233481E+00	G3 6.5913739E-01	G5 4.7066343E-01			
(4D+,5S+)	F0 1.1516005E+00	G2 1.2363973E-01							
(4D+,5P-)	F0 1.0787445E+00	G3 9.5446034E-02							
(4D+,5P+)	F0 9.9510460E-01	F2 2.7962685E-01	G1 7.4678388E-02	G3 7.4175047E-02					
(4D+,5D-)	F0 7.3585226E-01	F2 1.4807794E-01	G2 3.6576935E-02	G4 3.0624210E-02					
(4D+,5D+)	F0 7.0263420E-01	F2 1.3450885E-01	F4 5.5943143E-02	G0 2.8096535E-02	G2 3.3656291E-02	G4 2.7950082E-02			
(4D+,6S+)	F0 4.0458085E-01	G2 7.9860107E-03							
(4F-,4F-)	F0 1.7857709E+00	F2 8.8215688E-01	F4 5.6068901E-01						
(4F-,4F+)	F0 1.7732221E+00	F2 8.7601929E-01	F4 5.5678540E-01	G2 8.7175969E-01	G4 5.5420323E-01	G6 4.0084891E-01			
(4F-,5S+)	F0 1.1341054E+00	G3 1.5567980E-01							
(4F-,5P-)	F0 1.0640780E+00	G2 1.4427813E-01							
(4F-,5P+)	F0 9.8346129E-01	F2 2.9552980E-01	G2 1.0951398E-01	G4 9.3026383E-02					
(4F-,5D-)	F0 7.3056646E-01	F2 1.6126079E-01	G1 5.2585813E-02	G3 4.8961665E-02					
(4F-,5D+)	F0 6.9792101E-01	F2 1.4678410E-01	F4 6.6242814E-02	G1 4.5870951E-02	G3 4.3163517E-02	G5 3.4494448E-02			
(4F-,6S+)	F0 4.0334122E-01	G3 8.7442428E-03							
(4F+,4F+)	F0 1.7609381E+00	F2 8.7017772E-01	F4 5.5310402E-01	F6 4.0002505E-01					
(4F+,5S+)	F0 1.1310955E+00	G3 1.5965941E-01							
(4F+,5P-)	F0 1.0615308E+00	G4 1.2223834E-01							
(4F+,5P+)	F0 9.8139708E-01	F2 2.9886539E-01	G2 1.1293852E-01	G4 9.5481545E-02					
(4F+,5D-)	F0 7.2958679E-01	F2 1.6354644E-01	G3 5.0215834E-02	G5 3.9929617E-02					
(4F+,5D+)	F0 6.9704449E-01	F2 1.4890559E-01	F4 6.7583313E-02	G1 4.7548690E-02	G3 4.4415599E-02	G5 3.5423585E-02			
(4F+,6S+)	F0 4.0311937E-01	G3 8.8887005E-03							
(5S+,5S+)	F0 9.4309791E-01								
(5S+,5P-)	F0 9.0411848E-01	G1 6.2342748E-01							
(5S+,5P+)	F0 8.5604829E-01	G1 5.5501978E-01							
(5S+,5D-)	F0 6.7265237E-01	G2 2.3829065E-01							
(5S+,5D+)	F0 6.4647419E-01	G2 2.1239639E-01							
(5S+,6S+)	F0 3.9006259E-01	G0 1.2846826E-02							
(5P-,5P-)	F0 8.7012775E-01								
(5P-,5P+)	F0 8.2764786E-01	G2 4.3294366E-01							
(5P-,5D-)	F0 6.5891166E-01	G1 3.4500343E-01							
(5P-,5D+)	F0 6.3427998E-01	G3 1.9247623E-01							
(5P-,6S+)	F0 3.8760689E-01	G1 1.9853210E-02							
(5P+,5P+)	F0 7.9246733E-01	F2 4.2528844E-01							

TABLE 1.– CONTINUED

PLATINUM 5D9 6S1 Z=78

(5P+,5D-)	F0	6.4122079E-01	F2	3.1076108E-01	G1	3.7710761E-01	G3	2.3137231E-01
(5P+,5D+)	F0	6.1853046E-01	F2	2.9251100E-01	G1	3.4743309E-01	G3	2.1299641E-01
(5P+,6S+)	F0	3.8447372E-01	G1	2.6506565E-02				
(5D-,5D-)	F0	5.5038567E-01	F2	2.7619308E-01				
(5D-,5D+)	F0	5.3531486E-01	F2	2.6721493E-01	G2	2.6679515E-01	G4	1.7359433E-01
(5D-,6S+)	F0	3.6456547E-01	G2	8.6797106E-02				
(5D+,5D+)	F0	5.2129365E-01	F2	2.5951993E-01	F4	1.6849315E-01		
(5D+,6S+)	F0	3.6028837E-01	G2	9.5220994E-02				

TABLE 1.– CONTINUED

GOLD 6S1 Z=79

(1S+,1S+)	F0	5.6449202E+01		
(1S+,2S+)	F0	1.8677845E+01	G0	2.2544145E+00
(1S+,2P-)	F0	2.2025195E+01	G1	3.6900053E+00
(1S+,2P+)	F0	1.8686029E+01	G1	3.1328068E+00
(1S+,3S+)	F0	7.5497587E+00	G0	4.5473033E-01
(1S+,3P-)	F0	8.1982433E+00	G1	7.2940211E-01
(1S+,3P+)	F0	7.3010132E+00	G1	6.7798100E-01
(1S+,3D-)	F0	7.3078523E+00	G2	2.8651446E-02
(1S+,3D+)	F0	7.0513381E+00	G2	3.1342999E-02
(1S+,4S+)	F0	3.3802047E+00	G0	1.1266060E-01
(1S+,4P-)	F0	3.4597648E+00	G1	1.7301968E-01
(1S+,4P+)	F0	3.1223102E+00	G1	1.6050466E-01
(1S+,4D-)	F0	2.9462177E+00	G2	7.2363579E-03
(1S+,4D+)	F0	2.8552677E+00	G2	7.9013540E-03
(1S+,4F-)	F0	2.4800032E+00	G3	2.4832002E-05
(1S+,4F+)	F0	2.4443934E+00	G3	2.9431783E-05
(1S+,5S+)	F0	1.4260584E+00	G0	2.2497894E-02
(1S+,5P-)	F0	1.3378970E+00	G1	3.0180662E-02
(1S+,5P+)	F0	1.2004620E+00	G1	2.6784902E-02
(1S+,5D-)	F0	8.4854707E-01	G2	6.4861733E-04
(1S+,5D+)	F0	8.0433237E-01	G2	6.6531736E-04
(1S+,6S+)	F0	4.3337084E-01	G0	1.7792735E-03
(2S+,2S+)	F0	1.2867170E+01		
(2S+,2P-)	F0	1.3960536E+01	G1	7.1868073E+00
(2S+,2P+)	F0	1.3153996E+01	G1	7.4624240E+00
(2S+,3S+)	F0	6.3821903E+00	G0	5.6869262E-01
(2S+,3P-)	F0	6.7487467E+00	G1	5.4204026E-01
(2S+,3P+)	F0	6.2558989E+00	G1	4.7147520E-01
(2S+,3D-)	F0	7.0037852E+00	G2	1.6029335E+00
(2S+,3D+)	F0	6.8042453E+00	G2	1.5212822E+00
(2S+,4S+)	F0	3.0889989E+00	G0	1.2047778E-01
(2S+,4P-)	F0	3.1184994E+00	G1	1.1588728E-01
(2S+,4P+)	F0	2.8792757E+00	G1	9.7424717E-02
(2S+,4D-)	F0	2.8758939E+00	G2	2.9715782E-01
(2S+,4D+)	F0	2.7984259E+00	G2	2.8432401E-01
(2S+,4F-)	F0	2.4785467E+00	G3	1.7543336E-02
(2S+,4F+)	F0	2.4431570E+00	G3	1.6907468E-02
(2S+,5S+)	F0	1.3678025E+00	G0	2.3275012E-02
(2S+,5P-)	F0	1.2784423E+00	G1	1.9800561E-02
(2S+,5P+)	F0	1.1600419E+00	G1	1.5840436E-02
(2S+,5D-)	F0	8.4233062E-01	G2	2.5359820E-02
(2S+,5D+)	F0	7.9961408E-01	G2	2.2842156E-02
(2S+,6S+)	F0	4.2876222E-01	G0	1.8309117E-03
(2P-,2P-)	F0	1.5786296E+01		
(2P-,2P+)	F0	1.4602496E+01	G2	6.3120213E+00
(2P-,3S+)	F0	6.5770444E+00	G1	6.3608085E-01
(2P-,3P-)	F0	7.0329783E+00	G0	7.6222857E-01
(2P-,3P+)	F0	6.5006082E+00	G2	6.6207091E-01
(2P-,3D-)	F0	7.1160758E+00	G1	1.6098231E+00
(2P-,3D+)	F0	6.8982610E+00	G3	8.2806095E-01
(2P-,4S+)	F0	3.1367380E+00	G1	1.4099450E-01
(2P-,4P-)	F0	3.1839485E+00	G0	1.5520130E-01
(2P-,4P+)	F0	2.9351349E+00	G2	1.4162736E-01
(2P-,4D-)	F0	2.9012816E+00	G1	3.1088601E-01
(2P-,4D+)	F0	2.8196319E+00	G3	1.6352175E-01

TABLE 1.– CONTINUED

GOLD 6S1 Z=79

(2P-,4F-)	F0	2.4791858E+00	G2	1.3363313E-02				
(2P-,4F+)	F0	2.4437048E+00	G4	8.0219030E-03				
(2P-,5S+)	F0	1.3773159E+00	G1	2.7488927E-02				
(2P-,5P-)	F0	1.2897930E+00	G0	2.6257332E-02				
(2P-,5P+)	F0	1.1692975E+00	G2	2.3164973E-02				
(2P-,5D-)	F0	8.4456648E-01	G1	2.6713392E-02				
(2P-,5D+)	F0	8.0136874E-01	G3	1.3256203E-02				
(2P-,6S+)	F0	4.2951435E-01	G1	2.1655618E-03				
(2P+,2P+)	F0	1.3691932E+01	F2	6.5001231E+00				
(2P+,3S+)	F0	6.4290616E+00	G1	6.2292360E-01				
(2P+,3P-)	F0	6.8402065E+00	G2	6.9903958E-01				
(2P+,3P+)	F0	6.3446284E+00	F2	1.5723829E+00	G0	6.2886652E-01	G2	6.8188910E-01
(2P+,3D-)	F0	7.0391708E+00	F2	2.1484131E+00	G1	1.9030958E+00	G3	1.0947842E+00
(2P+,3D+)	F0	6.8330540E+00	F2	2.0111108E+00	G1	1.8545329E+00	G3	1.0675073E+00
(2P+,4S+)	F0	3.1002775E+00	G1	1.3539440E-01				
(2P+,4P-)	F0	3.1391563E+00	G2	1.4892715E-01				
(2P+,4P+)	F0	2.8993448E+00	F2	3.6037832E-01	G0	1.2467213E-01	G2	1.4514130E-01
(2P+,4D-)	F0	2.8843323E+00	F2	4.0845180E-01	G1	3.4522369E-01	G3	2.0465797E-01
(2P+,4D+)	F0	2.8053014E+00	F2	3.8159938E-01	G1	3.4081974E-01	G3	2.0175401E-01
(2P+,4F-)	F0	2.4786371E+00	F2	1.5481661E-01	G2	2.0186780E-02	G4	1.3026533E-02
(2P+,4F+)	F0	2.4432270E+00	F2	1.4798363E-01	G2	1.9775198E-02	G4	1.2758696E-02
(2P+,5S+)	F0	1.3700409E+00	G1	2.6294713E-02				
(2P+,5P-)	F0	1.2820100E+00	G2	2.5426702E-02				
(2P+,5P+)	F0	1.1633608E+00	F2	6.0306799E-02	G0	2.0394901E-02	G2	2.3715816E-02
(2P+,5D-)	F0	8.4307923E-01	F2	3.5721896E-02	G1	2.9389606E-02	G3	1.7508540E-02
(2P+,5D+)	F0	8.0018738E-01	F2	3.1406587E-02	G1	2.7334418E-02	G3	1.6253841E-02
(2P+,6S+)	F0	4.2893908E-01	G1	2.0701968E-03				
(3S+,3S+)	F0	4.8977448E+00						
(3S+,3P-)	F0	5.0280225E+00	G1	3.1509752E+00				
(3S+,3P+)	F0	4.8190172E+00	G1	3.1327937E+00				
(3S+,3D-)	F0	5.1181787E+00	G2	2.0606910E+00				
(3S+,3D+)	F0	5.0570922E+00	G2	2.0895704E+00				
(3S+,4S+)	F0	2.7583363E+00	G0	1.9850423E-01				
(3S+,4P-)	F0	2.7587715E+00	G1	2.0654297E-01				
(3S+,4P+)	F0	2.5757993E+00	G1	2.1259188E-01				
(3S+,4D-)	F0	2.5569925E+00	G2	1.4543882E-01				
(3S+,4D+)	F0	2.5024619E+00	G2	1.3719365E-01				
(3S+,4F-)	F0	2.4182464E+00	G3	3.6123171E-01				
(3S+,4F+)	F0	2.3872443E+00	G3	3.4902070E-01				
(3S+,5S+)	F0	1.3027618E+00	G0	3.2891622E-02				
(3S+,5P-)	F0	1.2167638E+00	G1	3.1148232E-02				
(3S+,5P+)	F0	1.1102474E+00	G1	3.0570848E-02				
(3S+,5D-)	F0	8.1522358E-01	G2	1.2171035E-02				
(3S+,5D+)	F0	7.7596566E-01	G2	1.0676934E-02				
(3S+,6S+)	F0	4.2363027E-01	G0	2.5291749E-03				
(3P-,3P-)	F0	5.1904453E+00						
(3P-,3P+)	F0	4.9520456E+00	G2	2.3779743E+00				
(3P-,3D-)	F0	5.2863314E+00	G1	2.8980966E+00				
(3P-,3D+)	F0	5.2166868E+00	G3	1.8679406E+00				
(3P-,4S+)	F0	2.7850003E+00	G1	2.5127406E-01				
(3P-,4P-)	F0	2.7899523E+00	G0	2.1979819E-01				
(3P-,4P+)	F0	2.6021240E+00	G2	2.3173857E-01				
(3P-,4D-)	F0	2.5815175E+00	G1	1.4786120E-01				
(3P-,4D+)	F0	2.5258694E+00	G3	1.5072869E-01				
(3P-,4F-)	F0	2.4262121E+00	G2	4.1220148E-01				

TABLE 1.– CONTINUED

GOLD 6S1 Z=79

(3P-,4F+)	F0	2.3946865E+00	G4	2.6060443E-01						
(3P-,5S+)	F0	1.3079493E+00	G1	4.3062520E-02						
(3P-,5P-)	F0	1.2220541E+00	G0	3.2439707E-02						
(3P-,5P+)	F0	1.1145307E+00	G2	3.4560461E-02						
(3P-,5D-)	F0	8.1727603E-01	G1	1.1751358E-02						
(3P-,5D+)	F0	7.7780662E-01	G3	1.1484252E-02						
(3P-,6S+)	F0	4.2403891E-01	G1	3.3272469E-03						
(3P+,3P+)	F0	4.7520187E+00	F2	2.3659953E+00						
(3P+,3D-)	F0	5.0293825E+00	F2	2.3686161E+00	G1	2.5083760E+00	G3	1.6615270E+00		
(3P+,3D+)	F0	4.9703024E+00	F2	2.3749957E+00	G1	2.5596819E+00	G3	1.6953703E+00		
(3P+,4S+)	F0	2.7441274E+00	G1	2.5179607E-01						
(3P+,4P-)	F0	2.7463547E+00	G2	2.5026914E-01						
(3P+,4P+)	F0	2.5651654E+00	F2	7.2965424E-01	G0	1.9323207E-01	G2	2.2596976E-01		
(3P+,4D-)	F0	2.5451407E+00	F2	7.0415967E-01	G1	1.6265218E-01	G3	1.6591392E-01		
(3P+,4D+)	F0	2.4910107E+00	F2	6.7575516E-01	G1	1.4920692E-01	G3	1.5672612E-01		
(3P+,4F-)	F0	2.4092094E+00	F2	7.5916762E-01	G2	4.8625241E-01	G4	3.2225219E-01		
(3P+,4F+)	F0	2.3786628E+00	F2	7.3336809E-01	G2	4.7220362E-01	G4	3.1311175E-01		
(3P+,5S+)	F0	1.3000385E+00	G1	4.2066220E-02						
(3P+,5P-)	F0	1.2146885E+00	G2	3.8058801E-02						
(3P+,5P+)	F0	1.1085528E+00	F2	1.2913146E-01	G0	2.7239264E-02	G2	3.3486589E-02		
(3P+,5D-)	F0	8.1422703E-01	F2	6.7222411E-02	G1	1.3341677E-02	G3	1.3670401E-02		
(3P+,5D+)	F0	7.7506208E-01	F2	6.0693322E-02	G1	1.1458456E-02	G3	1.2117676E-02		
(3P+,6S+)	F0	4.2341622E-01	G1	3.2394784E-03						
(3D-,3D-)	F0	5.4963292E+00	F2	2.7785496E+00						
(3D-,3D+)	F0	5.4164543E+00	F2	2.7486160E+00	G2	2.6928429E+00	G4	1.7320985E+00		
(3D-,4S+)	F0	2.8026119E+00	G2	2.3549347E-01						
(3D-,4P-)	F0	2.8065162E+00	G1	2.3984008E-01						
(3D-,4P+)	F0	2.6168276E+00	F2	6.5853449E-01	G1	2.0765104E-01	G3	2.0462549E-01		
(3D-,4D-)	F0	2.6129257E+00	F2	6.7159721E-01	G0	2.1295057E-01	G2	2.6035625E-01		
(3D-,4D+)	F0	2.5564027E+00	F2	6.4696804E-01	G2	2.4743552E-01	G4	1.9220761E-01		
(3D-,4F-)	F0	2.4327853E+00	F2	6.3501494E-01	G1	4.9672796E-01	G3	2.9206363E-01		
(3D-,4F+)	F0	2.4007318E+00	F2	6.1572238E-01	G3	2.7814767E-01	G5	1.9252872E-01		
(3D-,5S+)	F0	1.3113421E+00	G2	4.0826735E-02						
(3D-,5P-)	F0	1.2248138E+00	G1	3.5804506E-02						
(3D-,5P+)	F0	1.1168980E+00	F2	1.1492727E-01	G1	3.0268914E-02	G3	3.0990158E-02		
(3D-,5D-)	F0	8.1989272E-01	F2	6.2471663E-02	G0	1.6089062E-02	G2	2.0762057E-02		
(3D-,5D+)	F0	7.8020417E-01	F2	5.6600655E-02	G2	1.8562869E-02	G4	1.4698216E-02		
(3D-,6S+)	F0	4.2430573E-01	G2	3.1615995E-03						
(3D+,3D+)	F0	5.3410394E+00	F2	2.7237993E+00	F4	1.7527561E+00				
(3D+,4S+)	F0	2.7899262E+00	G2	2.3996845E-01						
(3D+,4P-)	F0	2.7929488E+00	G3	2.4124079E-01						
(3D+,4P+)	F0	2.6052266E+00	F2	6.7253158E-01	G1	2.0878034E-01	G3	2.0884400E-01		
(3D+,4D-)	F0	2.6004516E+00	F2	6.8245226E-01	G2	2.5282006E-01	G4	1.9905224E-01		
(3D+,4D+)	F0	2.5446424E+00	F2	6.5741373E-01	F4	3.1528544E-01	G0	2.0283738E-01	G2	2.5202828E-01	G4	1.9706755E-01
(3D+,4F-)	F0	2.4286392E+00	F2	6.5699376E-01	F4	3.2850429E-01	G1	5.1584797E-01	G3	3.0393572E-01	G5	2.1039217E-01
(3D+,4F+)	F0	2.3968375E+00	F2	6.3736146E-01	F4	3.1620440E-01	G1	5.0337252E-01	G3	2.9662122E-01	G5	2.0533868E-01
(3D+,5S+)	F0	1.3088720E+00	G2	4.1253870E-02						
(3D+,5P-)	F0	1.2225087E+00	G3	3.7380287E-02						
(3D+,5P+)	F0	1.1150099E+00	F2	1.1767176E-01	G1	3.0287954E-02	G3	3.1516847E-02		
(3D+,5D-)	F0	8.1883929E-01	F2	6.3724316E-02	G2	2.0101166E-02	G4	1.6153519E-02		
(3D+,5D+)	F0	7.7927078E-01	F2	5.7735373E-02	F4	2.3738615E-02	G0	1.4401721E-02	G2	1.8881795E-02	G4	1.5055224E-02
(3D+,6S+)	F0	4.2411112E-01	G2	3.1913475E-03						
(4S+,4S+)	F0	2.2023115E+00								
(4S+,4P-)	F0	2.1966482E+00	G1	1.4799853E+00						
(4S+,4P+)	F0	2.1051383E+00	G1	1.4052012E+00						

TABLE 1.-- CONTINUED

GOLD 6S1 Z=79

(4S+,4D-)	F0 2.0864694E+00	G2 1.0315316E+00						
(4S+,4D+)	F0 2.0578306E+00	G2 1.0134913E+00						
(4S+,4F-)	F0 1.9985224E+00	G3 7.0331184E-01						
(4S+,4F+)	F0 1.9829975E+00	G3 6.9849672E-01						
(4S+,5S+)	F0 1.2050071E+00	G0 6.7880909E-02						
(4S+,5P-)	F0 1.1301845E+00	G1 7.3611772E-02						
(4S+,5P+)	F0 1.0393250E+00	G1 7.7048321E-02						
(4S+,5D-)	F0 7.7799724E-01	G2 3.6456075E-02						
(4S+,5D+)	F0 7.4271767E-01	G2 3.5407143E-02						
(4S+,6S+)	F0 4.1600663E-01	G0 4.6726567E-03						
(4P-,4P-)	F0 2.1920970E+00							
(4P-,4P+)	F0 2.1002979E+00	G2 1.0637475E+00						
(4P-,4D-)	F0 2.0818247E+00	G1 1.3457423E+00						
(4P-,4D+)	F0 2.0531754E+00	G3 8.2316059E-01						
(4P-,4F-)	F0 1.9930183E+00	G2 8.6035848E-01						
(4P-,4F+)	F0 1.9775434E+00	G4 5.9477520E-01						
(4P-,5S+)	F0 1.2043462E+00	G1 9.1286868E-02						
(4P-,5P-)	F0 1.1298236E+00	G0 6.3043702E-02						
(4P-,5P+)	F0 1.0389471E+00	G2 7.2793333E-02						
(4P-,5D-)	F0 7.7781336E-01	G1 4.1010216E-02						
(4P-,5D+)	F0 7.4253676E-01	G3 3.2227899E-02						
(4P-,6S+)	F0 4.1595731E-01	G1 6.3872469E-03						
(4P+,4P+)	F0 2.0222071E+00	F2 1.0547257E+00						
(4P+,4D-)	F0 2.0037517E+00	F2 1.0254173E+00	G1 1.2838629E+00	G3 8.1095563E-01				
(4P+,4D+)	F0 1.9789042E+00	F2 1.0141822E+00	G1 1.2791600E+00	G3 8.0597569E-01				
(4P+,4F-)	F0 1.9200123E+00	F2 9.5476786E-01	G2 8.1167154E-01	G4 5.7129540E-01				
(4P+,4F+)	F0 1.9063072E+00	F2 9.4903030E-01	G2 8.1011704E-01	G4 5.6974684E-01				
(4P+,5S+)	F0 1.1902147E+00	G1 9.8660979E-02						
(4P+,5P-)	F0 1.1175181E+00	G2 8.3227719E-02						
(4P+,5P+)	F0 1.0287672E+00	F2 2.7813446E-01	G0 5.5316389E-02	G2 7.0737198E-02				
(4P+,5D-)	F0 7.7249856E-01	F2 1.5091095E-01	G1 3.2803174E-02	G3 3.0729527E-02				
(4P+,5D+)	F0 7.3773820E-01	F2 1.3724210E-01	G1 3.2183267E-02	G3 2.9059890E-02				
(4P+,6S+)	F0 4.1486969E-01	G1 6.6585234E-03						
(4D-,4D-)	F0 1.9894658E+00	F2 1.0083073E+00						
(4D-,4D+)	F0 1.9646492E+00	F2 9.9637248E-01	G2 9.9219415E-01	G4 6.6614249E-01				
(4D-,4F-)	F0 1.9055416E+00	F2 9.3672084E-01	G1 1.0745378E+00	G3 6.9274593E-01				
(4D-,4F+)	F0 1.8919462E+00	F2 9.3112666E-01	G3 6.8759908E-01	G5 4.9099628E-01				
(4D-,5S+)	F0 1.1868733E+00	G2 1.2035775E-01						
(4D-,5P-)	F0 1.1147833E+00	G1 9.7036010E-02						
(4D-,5P+)	F0 1.0265276E+00	F2 2.8330978E-01	G1 7.4857038E-02	G3 7.4390503E-02				
(4D-,5D-)	F0 7.7175615E-01	F2 1.5548651E-01	G0 3.3258896E-02	G2 3.9748225E-02				
(4D-,5D+)	F0 7.3705694E-01	F2 1.4134475E-01	G2 3.6473432E-02	G4 3.0119606E-02				
(4D-,6S+)	F0 4.1462194E-01	G2 7.8053695E-03						
(4D+,4D+)	F0 1.9409609E+00	F2 9.8616939E-01	F4 6.6186668E-01					
(4D+,4F-)	F0 1.8826480E+00	F2 9.2463654E-01	F4 5.9553814E-01	G1 1.0499097E+00	G3 6.7877236E-01	G5 4.8539545E-01		
(4D+,4F+)	F0 1.8695667E+00	F2 9.1965793E-01	F4 5.9279305E-01	G1 1.0499495E+00	G3 6.7824430E-01	G5 4.8487770E-01		
(4D+,5S+)	F0 1.1822215E+00	G2 1.2748497E-01						
(4D+,5P-)	F0 1.1107771E+00	G3 9.9434386E-02						
(4D+,5P+)	F0 1.0232412E+00	F2 2.8971406E-01	G1 7.7358651E-02	G3 7.6976443E-02				
(4D+,5D-)	F0 7.7006580E-01	F2 1.5933530E-01	G2 3.9724313E-02	G4 3.3324973E-02				
(4D+,5D+)	F0 7.3553568E-01	F2 1.4485463E-01	F4 6.0890961E-02	G0 3.0480729E-02	G2 3.6590227E-02	G4 3.0441826E-02		
(4D+,6S+)	F0 4.1426709E-01	G2 8.1062733E-03						
(4F-,4F-)	F0 1.8460664E+00	F2 9.1638324E-01	F4 5.8318418E-01					
(4F-,4F+)	F0 1.8331880E+00	F2 9.0984343E-01	F4 5.7922773E-01	G2 9.0517980E-01	G4 5.7639570E-01	G6 4.1718772E-01		
(4F-,5S+)	F0 1.1670352E+00	G3 1.5628926E-01						

TABLE 1.– CONTINUED

GOLD 6S1 Z=79

(4F-,5P-)	F0	1.0979363E+00	G2	1.4503123E-01					
(4F-,5P+)	F0	1.0131111E+00	F2	3.0309302E-01	G2	1.0925660E-01	G4	9.3681248E-02	
(4F-,5D-)	F0	7.6526282E-01	F2	1.7093397E-01	G1	5.4367954E-02	G3	5.1378392E-02	
(4F-,5D+)	F0	7.3125200E-01	F2	1.5566545E-01	F4	7.0391978E-02	G1	4.7478320E-02	G3 4.5329734E-02 G5 3.6413687E-02
(4F-,6S+)	F0	4.1320911E-01	G3	8.7313558E-03					
(4F+,4F+)	F0	1.8205853E+00	F2	9.0391492E-01	F4	5.7550584E-01	F6	4.1651737E-01	
(4F+,5S+)	F0	1.1639989E+00	G3	1.6030726E-01					
(4F+,5P-)	F0	1.0953438E+00	G4	1.2386504E-01					
(4F+,5P+)	F0	1.0110162E+00	F2	3.0652351E-01	G2	1.1262581E-01	G4	9.6124673E-02	
(4F+,5D-)	F0	7.6421934E-01	F2	1.7331101E-01	G3	5.2621190E-02	G5	4.2068788E-02	
(4F+,5D+)	F0	7.3031751E-01	F2	1.5787116E-01	F4	7.1779877E-02	G1	4.9122222E-02	G3 4.6590457E-02 G5 3.7358487E-02
(4F+,6S+)	F0	4.1298733E-01	G3	8.8727938E-03					
(5S+,5S+)	F0	9.6901968E-01							
(5S+,5P-)	F0	9.3071158E-01	G1	6.4206187E-01					
(5S+,5P+)	F0	8.8038415E-01	G1	5.7037854E-01					
(5S+,5D-)	F0	7.0198395E-01	G2	2.5412031E-01					
(5S+,5D+)	F0	6.7499752E-01	G2	2.2676555E-01					
(5S+,6S+)	F0	3.9961584E-01	G0	1.2981718E-02					
(5P-,5P-)	F0	8.9711667E-01							
(5P-,5P+)	F0	8.5261685E-01	G2	4.4514507E-01					
(5P-,5D-)	F0	6.8787935E-01	G1	3.6511567E-01					
(5P-,5D+)	F0	6.6247065E-01	G3	2.0416290E-01					
(5P-,6S+)	F0	3.9723497E-01	G1	1.9923238E-02					
(5P+,5P+)	F0	8.1552710E-01	F2	4.3765420E-01					
(5P+,5D-)	F0	6.6858161E-01	F2	3.2670693E-01	G1	3.9852174E-01	G3	2.4487684E-01	
(5P+,5D+)	F0	6.4527866E-01	F2	3.0795354E-01	G1	3.6785419E-01	G3	2.2583430E-01	
(5P+,6S+)	F0	3.9400028E-01	G1	2.6758810E-02					
(5D-,5D-)	F0	5.7803642E-01	F2	2.9115075E-01					
(5D-,5D+)	F0	5.6230991E-01	F2	2.8176975E-01	G2	2.8130017E-01	G4	1.8352137E-01	
(5D-,6S+)	F0	3.7530297E-01	G2	8.5197978E-02					
(5D+,5D+)	F0	5.4768544E-01	F2	2.7375383E-01	F4	1.7820935E-01			
(5D+,6S+)	F0	3.7112613E-01	G2	9.4077350E-02					

MERCURY 6S2 Z=80

(1S+,1S+)	F0	5.7420721E+01		
(1S+,2S+)	F0	1.9027540E+01	G0	2.3110825E+00
(1S+,2P-)	F0	2.2458174E+01	G1	3.7468136E+00
(1S+,2P+)	F0	1.8956465E+01	G1	3.1660938E+00
(1S+,3S+)	F0	7.6938301E+00	G0	4.6731069E-01
(1S+,3P-)	F0	8.3618972E+00	G1	7.4251392E-01
(1S+,3P+)	F0	7.4201791E+00	G1	6.8889157E-01
(1S+,3D-)	F0	7.4294927E+00	G2	2.8918009E-02
(1S+,3D+)	F0	7.1617018E+00	G2	3.1750273E-02
(1S+,4S+)	F0	3.4505884E+00	G0	1.1637528E-01
(1S+,4P-)	F0	3.5363984E+00	G1	1.7722755E-01
(1S+,4P+)	F0	3.1827101E+00	G1	1.6425806E-01
(1S+,4D-)	F0	3.0094908E+00	G2	7.3902978E-03
(1S+,4D+)	F0	2.9146339E+00	G2	8.1028006E-03
(1S+,4F-)	F0	2.5524584E+00	G3	2.6124449E-05
(1S+,4F+)	F0	2.5156263E+00	G3	3.1176089E-05
(1S+,5S+)	F0	1.4691324E+00	G0	2.3789506E-02

TABLE 1.– CONTINUED

MERCURY 6S2 Z=80

(1S+,5P-)	F0	1.3848933E+00	G1	3.1905978E-02				
(1S+,5P+)	F0	1.2411011E+00	G1	2.8376011E-02				
(1S+,5D-)	F0	9.0883540E-01	G2	7.4008851E-04				
(1S+,5D+)	F0	8.6561714E-01	G2	7.7094685E-04				
(1S+,6S+)	F0	4.6271970E-01	G0	2.0677312E-03				
(2S+,2S+)	F0	1.3094258E+01						
(2S+,2P-)	F0	1.4213011E+01	G1	7.2967465E+00				
(2S+,2P+)	F0	1.3364993E+01	G1	7.5834742E+00				
(2S+,3S+)	F0	6.4975091E+00	G0	5.8171957E-01				
(2S+,3P-)	F0	6.8744420E+00	G1	5.5313396E-01				
(2S+,3P+)	F0	6.3580339E+00	G1	4.8020158E-01				
(2S+,3D-)	F0	7.1204112E+00	G2	1.6250146E+00				
(2S+,3D+)	F0	6.9120045E+00	G2	1.5402628E+00				
(2S+,4S+)	F0	3.1506043E+00	G0	1.2386211E-01				
(2S+,4P-)	F0	3.1839330E+00	G1	1.1898469E-01				
(2S+,4P+)	F0	2.9339671E+00	G1	9.9787381E-02				
(2S+,4D-)	F0	2.9371654E+00	G2	3.0458782E-01				
(2S+,4D+)	F0	2.8564959E+00	G2	2.9126668E-01				
(2S+,4F-)	F0	2.5509213E+00	G3	1.8435055E-02				
(2S+,4F+)	F0	2.5143265E+00	G3	1.7769227E-02				
(2S+,5S+)	F0	1.4076963E+00	G0	2.4486492E-02				
(2S+,5P-)	F0	1.3215160E+00	G1	2.0975852E-02				
(2S+,5P+)	F0	1.1982784E+00	G1	1.6784734E-02				
(2S+,5D-)	F0	9.0169490E-01	G2	2.9002589E-02				
(2S+,5D+)	F0	8.6016630E-01	G2	2.6406260E-02				
(2S+,6S+)	F0	4.5737809E-01	G0	2.1164283E-03				
(2P-,2P-)	F0	1.6083358E+01						
(2P-,2P+)	F0	1.4837865E+01	G2	6.3927940E+00				
(2P-,3S+)	F0	6.6976311E+00	G1	6.4824106E-01				
(2P-,3P-)	F0	7.1665896E+00	G0	7.8085221E-01				
(2P-,3P+)	F0	6.6083474E+00	G2	6.7375367E-01				
(2P-,3D-)	F0	7.2349740E+00	G1	1.6306932E+00				
(2P-,3D+)	F0	7.0074332E+00	G3	8.3614330E-01				
(2P-,4S+)	F0	3.1998981E+00	G1	1.4441262E-01				
(2P-,4P-)	F0	3.2516302E+00	G0	1.5995262E-01				
(2P-,4P+)	F0	2.9915079E+00	G2	1.4506776E-01				
(2P-,4D-)	F0	2.9633696E+00	G1	3.1853510E-01				
(2P-,4D+)	F0	2.8782815E+00	G3	1.6708962E-01				
(2P-,4F-)	F0	2.5515982E+00	G2	1.4017758E-02				
(2P-,4F+)	F0	2.5149047E+00	G4	8.4065606E-03				
(2P-,5S+)	F0	1.4177522E+00	G1	2.8813695E-02				
(2P-,5P-)	F0	1.3336324E+00	G0	2.7917132E-02				
(2P-,5P+)	F0	1.2081470E+00	G2	2.4552798E-02				
(2P-,5D-)	F0	9.0427266E-01	G1	3.0546031E-02				
(2P-,5D+)	F0	8.6220218E-01	G3	1.5289676E-02				
(2P-,6S+)	F0	4.5825183E-01	G1	2.4942462E-03				
(2P+,2P+)	F0	1.3887471E+01	F2	6.5920629E+00				
(2P+,3S+)	F0	6.5414938E+00	G1	6.3480218E-01				
(2P+,3P-)	F0	6.9630496E+00	G2	7.1301440E-01				
(2P+,3P+)	F0	6.4446941E+00	F2	1.5995750E+00	G0	6.4028917E-01	G2	6.9416900E-01
(2P+,3D-)	F0	7.1542723E+00	F2	2.1883699E+00	G1	1.9377062E+00	G3	1.1147001E+00
(2P+,3D+)	F0	6.9393176E+00	F2	2.0450614E+00	G1	1.8874092E+00	G3	1.0864568E+00
(2P+,4S+)	F0	3.1612221E+00	G1	1.3855796E-01				
(2P+,4P-)	F0	3.2040335E+00	G2	1.5269888E-01				
(2P+,4P+)	F0	2.9536951E+00	F2	3.6899419E-01	G0	1.2770596E-01	G2	1.4870312E-01

TABLE 1.– CONTINUED

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(2P+,4D-)	F0	2.9453820E+00	F2	4.2015200E-01	G1	3.5478544E-01	G3	2.1038069E-01
(2P+,4D+)	F0	2.8631357E+00	F2	3.9203369E-01	G1	3.5043014E-01	G3	2.0748581E-01
(2P+,4F-)	F0	2.5509993E+00	F2	1.6240997E-01	G2	2.1432770E-02	G4	1.3831527E-02
(2P+,4F+)	F0	2.5143847E+00	F2	1.5515440E-01	G2	2.1007213E-02	G4	1.3554441E-02
(2P+,5S+)	F0	1.4098523E+00	G1	2.7532966E-02				
(2P+,5P-)	F0	1.3250971E+00	G2	2.6894527E-02				
(2P+,5P+)	F0	1.2016547E+00	F2	6.3835181E-02	G0	2.1293414E-02	G2	2.5141778E-02
(2P+,5D-)	F0	9.0250970E-01	F2	4.0899171E-02	G1	3.3689110E-02	G3	2.0078417E-02
(2P+,5D+)	F0	8.6079226E-01	F2	3.6313081E-02	G1	3.1707906E-02	G3	1.8861091E-02
(2P+,6S+)	F0	4.5756528E-01	G1	2.3817725E-03				
(3S+,3S+)	F0	4.9846319E+00						
(3S+,3P-)	F0	5.1187867E+00	G1	3.2038127E+00				
(3S+,3P+)	F0	4.8995613E+00	G1	3.1836002E+00				
(3S+,3D-)	F0	5.2063997E+00	G2	2.0969407E+00				
(3S+,3D+)	F0	5.1424498E+00	G2	2.1268886E+00				
(3S+,4S+)	F0	2.8117151E+00	G0	2.0317922E-01				
(3S+,4P-)	F0	2.8145033E+00	G1	2.1124961E-01				
(3S+,4P+)	F0	2.6235614E+00	G1	2.1796633E-01				
(3S+,4D-)	F0	2.6098506E+00	G2	1.4908211E-01				
(3S+,4D+)	F0	2.5532322E+00	G2	1.4056670E-01				
(3S+,4F-)	F0	2.4876696E+00	G3	3.7769548E-01				
(3S+,4F+)	F0	2.4557531E+00	G3	3.6493528E-01				
(3S+,5S+)	F0	1.3394644E+00	G0	3.4406219E-02				
(3S+,5P-)	F0	1.2561520E+00	G1	3.2821789E-02				
(3S+,5P+)	F0	1.1455645E+00	G1	3.2377155E-02				
(3S+,5D-)	F0	8.7065412E-01	G2	1.3909188E-02				
(3S+,5D+)	F0	8.3282514E-01	G2	1.2326770E-02				
(3S+,6S+)	F0	4.5146174E-01	G0	2.9040375E-03				
(3P-,3P-)	F0	5.2862051E+00						
(3P-,3P+)	F0	5.0358815E+00	G2	2.4127937E+00				
(3P-,3D-)	F0	5.3790729E+00	G1	2.9512380E+00				
(3P-,3D+)	F0	5.3060933E+00	G3	1.9008943E+00				
(3P-,4S+)	F0	2.8393207E+00	G1	2.5678849E-01				
(3P-,4P-)	F0	2.8468423E+00	G0	2.2543409E-01				
(3P-,4P+)	F0	2.6507498E+00	G2	2.3699985E-01				
(3P-,4D-)	F0	2.6353089E+00	G1	1.5172319E-01				
(3P-,4D+)	F0	2.5775095E+00	G3	1.5462874E-01				
(3P-,4F-)	F0	2.4961369E+00	G2	4.3054626E-01				
(3P-,4F+)	F0	2.4636563E+00	G4	2.7219633E-01				
(3P-,5S+)	F0	1.3449613E+00	G1	4.4987049E-02				
(3P-,5P-)	F0	1.2618132E+00	G0	3.4275248E-02				
(3P-,5P+)	F0	1.1501428E+00	G2	3.6535266E-02				
(3P-,5D-)	F0	8.7303024E-01	G1	1.3421977E-02				
(3P-,5D+)	F0	8.3497864E-01	G3	1.3269789E-02				
(3P-,6S+)	F0	4.5193755E-01	G1	3.8162082E-03				
(3P+,3P+)	F0	4.8269482E+00	F2	2.4022703E+00				
(3P+,3D-)	F0	5.1102562E+00	F2	2.4051132E+00	G1	2.5434151E+00	G3	1.6853984E+00
(3P+,3D+)	F0	5.0486361E+00	F2	2.4118663E+00	G1	2.5971236E+00	G3	1.7208584E+00
(3P+,4S+)	F0	2.7962123E+00	G1	2.5751146E-01				
(3P+,4P-)	F0	2.8007669E+00	G2	2.5651982E-01				
(3P+,4P+)	F0	2.6118472E+00	F2	7.4459675E-01	G0	1.9754668E-01	G2	2.3083815E-01
(3P+,4D-)	F0	2.5968522E+00	F2	7.2159175E-01	G1	1.6736881E-01	G3	1.7049416E-01
(3P+,4D+)	F0	2.5406835E+00	F2	6.9202669E-01	G1	1.5314848E-01	G3	1.6083013E-01
(3P+,4F-)	F0	2.4777655E+00	F2	7.9035605E-01	G2	5.0989312E-01	G4	3.3801835E-01
(3P+,4F+)	F0	2.4463558E+00	F2	7.6870607E-01	G2	4.9527924E-01	G4	3.2850980E-01

TABLE 1.– CONTINUED

MERCURY 6S2 Z=80

(3P+,5S+)	F0	1.3364222E+00	G1	4.3927487E-02							
(3P+,5P-)	F0	1.2537819E+00	G2	4.0160840E-02							
(3P+,5P+)	F0	1.1436314E+00	F2	1.3585728E-01	G0	2.8761691E-02	G2	3.5351977E-02			
(3P+,5D-)	F0	8.6943541E-01	F2	7.6135562E-02	G1	1.5304827E-02	G3	1.5658698E-02			
(3P+,5D+)	F0	8.3170860E-01	F2	6.9431406E-02	G1	1.3259408E-02	G3	1.4017419E-02			
(3P+,6S+)	F0	4.5119900E-01	G1	3.7129788E-03							
(3D-,3D-)	F0	5.5876355E+00	F2	2.8247291E+00							
(3D-,3D+)	F0	5.5042289E+00	F2	2.7934620E+00	G2	2.7350381E+00	G4	1.7594009E+00			
(3D-,4S+)	F0	2.8564655E+00	G2	2.4074375E-01							
(3D-,4P-)	F0	2.8628549E+00	G1	2.4560244E-01							
(3D-,4P+)	F0	2.6649885E+00	F2	6.7176092E-01	G1	2.1190309E-01	G3	2.0882429E-01			
(3D-,4D-)	F0	2.6668290E+00	F2	6.8814009E-01	G0	2.1841338E-01	G2	2.6714598E-01			
(3D-,4D+)	F0	2.6081603E+00	F2	6.6256631E-01	G2	2.5364101E-01	G4	1.9706553E-01			
(3D-,4F-)	F0	2.5027953E+00	F2	6.6115756E-01	G1	5.2042492E-01	G3	3.0609244E-01			
(3D-,4F+)	F0	2.4697661E+00	F2	6.4099055E-01	G3	2.9137004E-01	G5	2.0171246E-01			
(3D-,5S+)	F0	1.3483387E+00	G2	4.2656802E-02							
(3D-,5P-)	F0	1.2645611E+00	G1	3.7753033E-02							
(3D-,5P+)	F0	1.1525136E+00	F2	1.2091144E-01	G1	3.1919686E-02	G3	3.2697692E-02			
(3D-,5D-)	F0	8.7595756E-01	F2	7.0841717E-02	G0	1.8354627E-02	G2	2.3726845E-02			
(3D-,5D+)	F0	8.3769251E-01	F2	6.4846901E-02	G2	2.1431849E-02	G4	1.6981600E-02			
(3D-,6S+)	F0	4.5222935E-01	G2	3.6268980E-03							
(3D+,3D+)	F0	5.4256052E+00	F2	2.7676834E+00	F4	1.7811829E+00					
(3D+,4S+)	F0	2.8431146E+00	G2	2.4545055E-01							
(3D+,4P-)	F0	2.8485488E+00	G3	2.4716753E-01							
(3D+,4P+)	F0	2.6527987E+00	F2	6.8638330E-01	G1	2.1306962E-01	G3	2.1323871E-01			
(3D+,4D-)	F0	2.6536657E+00	F2	6.9950072E-01	G2	2.5918616E-01	G4	2.0417339E-01			
(3D+,4D+)	F0	2.5957643E+00	F2	6.7349258E-01	F4	3.2345301E-01	G0	2.0784515E-01	G2	2.5849152E-01	G4 2.0219602E-01
(3D+,4F-)	F0	2.4983208E+00	F2	6.8454514E-01	F4	3.4376900E-01	G1	5.4078873E-01	G3	3.1875508E-01	G5 2.2068600E-01
(3D+,4F+)	F0	2.4655670E+00	F2	6.6402619E-01	F4	3.3983781E-01	G1	5.2791209E-01	G3	3.1120490E-01	G5 2.1546955E-01
(3D+,5S+)	F0	1.3456781E+00	G2	4.3111955E-02							
(3D+,5P-)	F0	1.2620533E+00	G3	3.9449002E-02							
(3D+,5P+)	F0	1.1504604E+00	F2	1.2385749E-01	G1	3.1936924E-02	G3	3.3266545E-02			
(3D+,5D-)	F0	8.7471759E-01	F2	7.2275572E-02	G2	2.2947734E-02	G4	1.8460894E-02			
(3D+,5D+)	F0	8.3658267E-01	F2	6.6158040E-02	F4	2.7440601E-02	G0	1.6597311E-02	G2	2.1810734E-02	G4 1.7406012E-02
(3D+,6S+)	F0	4.5199901E-01	G2	3.6614997E-03							
(4S+,4S+)	F0	2.2452865E+00									
(4S+,4P-)	F0	2.2406297E+00	G1	1.5087437E+00							
(4S+,4P+)	F0	2.1450478E+00	G1	1.4303590E+00							
(4S+,4D-)	F0	2.1290768E+00	G2	1.0527508E+00							
(4S+,4D+)	F0	2.0993636E+00	G2	1.0341179E+00							
(4S+,4F-)	F0	2.0513005E+00	G3	7.2424128E-01							
(4S+,4F+)	F0	2.0355710E+00	G3	7.1972214E-01							
(4S+,5S+)	F0	1.2375359E+00	G0	7.0537179E-02							
(4S+,5P-)	F0	1.1649718E+00	G1	7.6951543E-02							
(4S+,5P+)	F0	1.0709162E+00	G1	8.0946885E-02							
(4S+,5D-)	F0	8.2824126E-01	G2	4.1027521E-02							
(4S+,5D+)	F0	7.9454973E-01	G2	4.0323513E-02							
(4S+,6S+)	F0	4.4272973E-01	G0	5.3098853E-03							
(4P-,4P-)	F0	2.2371303E+00									
(4P-,4P+)	F0	2.1410702E+00	G2	1.0824296E+00							
(4P-,4D-)	F0	2.1252927E+00	G1	1.3735639E+00							
(4P-,4D+)	F0	2.0955187E+00	G3	8.3999337E-01							
(4P-,4F-)	F0	2.0465078E+00	G2	3.8563999E-01							
(4P-,4F+)	F0	2.0308047E+00	G4	6.1330627E-01							
(4P-,5S+)	F0	1.2370270E+00	G1	9.4757213E-02							

TABLE 1.– CONTINUED

MERCURY 6S2 Z=80

(4P-,5P-)	F0	1.1647534E+00	G0	6.6057047E-02						
(4P-,5P+)	F0	1.0706495E+00	G2	7.6422322E-02						
(4P-,5D-)	F0	8.2810688E-01	G1	4.6183996E-02						
(4P-,5D+)	F0	7.9440964E-01	G3	3.6831231E-02						
(4P-,6S+)	F0	4.4268858E-01	G1	7.2565417E-03						
(4P+,4P+)	F0	2.0597055E+00	F2	1.0741498E+00						
(4P+,4D-)	F0	2.0435531E+00	F2	1.0457011E+00	G1	1.3079487E+00	G3	8.2675597E-01		
(4P+,4D+)	F0	2.0178352E+00	F2	1.0342267E+00	G1	1.3036581E+00	G3	8.2193167E-01		
(4P+,4F-)	F0	1.9689090E+00	F2	9.8065748E-01	G2	8.3174625E-01	G4	5.8649095E-01		
(4P+,4F+)	F0	1.9550790E+00	F2	9.7518532E-01	G2	8.3079525E-01	G4	5.8534368E-01		
(4P+,5S+)	F0	1.2219309E+00	G1	1.0254643E-01						
(4P+,5P-)	F0	1.1514777E+00	G2	8.7346354E-02						
(4P+,5P+)	F0	1.0596737E+00	F2	2.9007136E-01	G0	5.7953825E-02	G2	7.4140923E-02		
(4P+,5D-)	F0	8.2190966E-01	F2	1.6813641E-01	G1	3.6725246E-02	G3	3.4661862E-02		
(4P+,5D+)	F0	7.8875549E-01	F2	1.5435193E-01	G1	3.6434270E-02	G3	3.3127355E-02		
(4P+,6S+)	F0	4.4141286E-01	G1	7.5603237E-03						
(4D-,4D-)	F0	2.0316764E+00	F2	1.0298372E+00						
(4D-,4D+)	F0	2.0058743E+00	F2	1.0174464E+00	G2	1.0129925E+00	G4	6.8043249E-01		
(4D-,4F-)	F0	1.9565128E+00	F2	9.6342506E-01	G1	1.1017385E+00	G3	7.1212965E-01		
(4D-,4F+)	F0	1.9427349E+00	F2	9.5801903E-01	G3	7.0714450E-01	G5	5.0548182E-01		
(4D-,5S+)	F0	1.2189642E+00	G2	1.2421883E-01						
(4D-,5P-)	F0	1.1490418E+00	G1	1.0114950E-01						
(4D-,5P+)	F0	1.0576801E+00	F2	2.9465526E-01	G1	7.8015803E-02	G3	7.7630454E-02		
(4D-,5D-)	F0	8.2126831E-01	F2	1.7268144E-01	G0	3.7471693E-02	G2	4.4883872E-02		
(4D-,5D+)	F0	7.8815809E-01	F2	1.5845399E-01	G2	4.1628087E-02	G4	3.4440447E-02		
(4D-,6S+)	F0	4.4117267E-01	G2	8.8163804E-03						
(4D+,4D+)	F0	1.9812711E+00	F2	1.0069029E+00	F4	6.7610407E-01				
(4D+,4F-)	F0	1.9323696E+00	F2	9.5041413E-01	F4	6.1252555E-01	G1	1.0749665E+00	G3	6.9692177E-01	G5	4.9893908E-01
(4D+,4F+)	F0	1.9191319E+00	F2	9.4565705E-01	F4	6.1000881E-01	G1	1.0757787E+00	G3	6.9688037E-01	G5	4.9876640E-01
(4D+,5S+)	F0	1.2140375E+00	G2	1.3164929E-01						
(4D+,5P-)	F0	1.1447550E+00	G3	1.0387514E-01						
(4D+,5P+)	F0	1.0541647E+00	F2	3.0136126E-01	G1	8.0568648E-02	G3	8.0317638E-02		
(4D+,5D-)	F0	8.1931066E-01	F2	1.7692914E-01	G2	4.4838201E-02	G4	3.7696665E-02		
(4D+,5D+)	F0	7.8637791E-01	F2	1.6236001E-01	F4	6.9393598E-02	G0	3.4692076E-02	G2	4.1755096E-02	G4	3.4809935E-02
(4D+,6S+)	F0	4.4075993E-01	G2	9.1553337E-03						
(4F-,4F-)	F0	1.9055802E+00	F2	9.4954983E-01	F4	6.0538225E-01				
(4F-,4F+)	F0	1.8923457E+00	F2	9.4319711E-01	F4	6.0136696E-01	G2	9.3810966E-01	G4	5.9827262E-01	G6	4.3329907E-01
(4F-,5S+)	F0	1.2010004E+00	G3	1.5739861E-01						
(4F-,5P-)	F0	1.1336201E+00	G2	1.4652557E-01						
(4F-,5P+)	F0	1.0454194E+00	F2	3.1231999E-01	G2	1.0986665E-01	G4	9.5059333E-02		
(4F-,5D-)	F0	8.1483757E-01	F2	1.8715016E-01	G1	5.8583893E-02	G3	5.6174503E-02		
(4F-,5D+)	F0	7.8234827E-01	F2	1.7195817E-01	F4	7.8411361E-02	G1	5.1726354E-02	G3	5.0093459E-02	G5	4.0451129E-02
(4F-,6S+)	F0	4.3976787E-01	G3	9.7071950E-03						
(4F+,4F+)	F0	1.8793990E+00	F2	9.3717244E-01	F4	5.9759976E-01	F6	4.3278807E-01		
(4F+,5S+)	F0	1.1979181E+00	G3	1.6146123E-01						
(4F+,5P-)	F0	1.1309610E+00	G4	1.2610150E-01						
(4F+,5P+)	F0	1.0432706E+00	F2	3.1585776E-01	G2	1.1319891E-01	G4	9.7505090E-02		
(4F+,5D-)	F0	8.1367588E-01	F2	1.8968647E-01	G3	5.7449222E-02	G5	4.6179316E-02		
(4F+,5D+)	F0	7.8129650E-01	F2	1.7432781E-01	F4	7.9909255E-02	G1	5.3408649E-02	G3	5.1423690E-02	G5	4.1459151E-02
(4F+,6S+)	F0	4.3951952E-01	G3	9.8610262E-03						
(5S+,5S+)	F0	9.9623187E-01								
(5S+,5P-)	F0	9.5902462E-01	G1	6.6211012E-01						
(5S+,5P+)	F0	9.0698204E-01	G1	5.8774073E-01						
(5S+,5D-)	F0	7.4329397E-01	G2	2.7936094E-01						
(5S+,5D+)	F0	7.1806154E-01	G2	2.5183976E-01						

TABLE 1.– CONTINUED

MERCURY 6S2 Z=80

(5S+,6S+)	F0	4.2431781E-01	G0	1.4456953E-02			
(5P-,5P-)	F0	9.2618533E-01					
(5P-,5P+)	F0	8.7989765E-01	G2	4.5898455E-01			
(5P-,5D-)	F0	7.2851961E-01	G1	3.9712543E-01			
(5P-,5D+)	F0	7.0480603E-01	G3	2.2482756E-01			
(5P-,6S+)	F0	4.2178577E-01	G1	2.1960054E-02			
(5P+,5P+)	F0	8.4142618E-01	F2	4.5192490E-01			
(5P+,5D-)	F0	7.0708926E-01	F2	3.5108221E-01	G1	4.3155650E-01	G3 2.6607227E-01
(5P+,5D+)	F0	6.8552641E-01	F2	3.3361833E-01	G1	4.0232066E-01	G3 2.4784516E-01
(5P+,6S+)	F0	4.1813302E-01	G1	2.9350084E-02			
(5D-,5D-)	F0	6.2066434E-01	F2	3.1611529E-01			
(5D-,5D+)	F0	6.0577501E-01	F2	3.0733637E-01	G2	3.0682027E-01	G4 2.0151749E-01
(5D-,6S+)	F0	4.0068874E-01	G2	8.5754772E-02			
(5D+,5D+)	F0	5.9187112E-01	F2	2.9984341E-01	F4	1.9659102E-01	
(5D+,6S+)	F0	3.9700119E-01	G2	9.4836573E-02			
(6S+,6S+)	F0	3.2949008E-01					

THALLIUM 6P1 Z=81

(1S+,1S+)	F0	5.8405396E+01		
(1S+,2S+)	F0	1.9382684E+01	G0	2.3692648E+00
(1S+,2P-)	F0	2.2898906E+01	G1	3.8037797E+00
(1S+,2P+)	F0	1.9227783E+01	G1	3.1987790E+00
(1S+,3S+)	F0	7.8397792E+00	G0	4.8021874E-01
(1S+,3P-)	F0	8.5279181E+00	G1	7.5564047E-01
(1S+,3P+)	F0	7.5398291E+00	G1	6.9973826E-01
(1S+,3D-)	F0	7.5515455E+00	G2	2.9164725E-02
(1S+,3D+)	F0	7.2721338E+00	G2	3.2142222E-02
(1S+,4S+)	F0	3.5219723E+00	G0	1.2020555E-01
(1S+,4P-)	F0	3.6142087E+00	G1	1.8147614E-01
(1S+,4P+)	F0	3.2436309E+00	G1	1.6804302E-01
(1S+,4D-)	F0	3.0732283E+00	G2	7.5406512E-03
(1S+,4D+)	F0	2.9743350E+00	G2	8.3029441E-03
(1S+,4F-)	F0	2.6241171E+00	G3	2.7392593E-05
(1S+,4F+)	F0	2.5859685E+00	G3	3.2917694E-05
(1S+,5S+)	F0	1.5128152E+00	G0	2.5131508E-02
(1S+,5P-)	F0	1.4326341E+00	G1	3.3672691E-02
(1S+,5P+)	F0	1.2824732E+00	G1	3.0020050E-02
(1S+,5D-)	F0	9.7078513E-01	G2	8.3834840E-04
(1S+,5D+)	F0	9.2870666E-01	G2	8.8652062E-04
(1S+,6S+)	F0	5.0544044E-01	G0	2.5454455E-03
(1S+,6P-)	F0	3.5700644E-01	G1	1.6921349E-03
(2S+,2S+)	F0	1.3324290E+01		
(2S+,2P-)	F0	1.4469046E+01	G1	7.4073992E+00
(2S+,2P+)	F0	1.3577622E+01	G1	7.7054992E+00
(2S+,3S+)	F0	6.6141031E+00	G0	5.9500152E-01
(2S+,3P-)	F0	7.0016198E+00	G1	5.6436066E-01
(2S+,3P+)	F0	6.4606871E+00	G1	4.8905775E-01
(2S+,3D-)	F0	7.2375079E+00	G2	1.6466714E+00
(2S+,3D+)	F0	7.0199449E+00	G2	1.5587600E+00
(2S+,4S+)	F0	3.2129759E+00	G0	1.2733305E-01
(2S+,4P-)	F0	3.2502173E+00	G1	1.2214080E-01

TABLE 1.– CONTINUED

THALLIUM 6P1 Z=81

(2S+,4P+)	F0	2.9891170E+00	G1	1.0219814E-01				
(2S+,4D-)	F0	2.9988870E+00	G2	3.1204425E-01				
(2S+,4D+)	F0	2.9149111E+00	G2	2.9822371E-01				
(2S+,4F-)	F0	2.6224997E+00	G3	1.9315180E-02				
(2S+,4F+)	F0	2.5846063E+00	G3	1.8618973E-02				
(2S+,5S+)	F0	1.4480890E+00	G0	2.5736617E-02				
(2S+,5P-)	F0	1.3651747E+00	G1	2.2186486E-02				
(2S+,5P+)	F0	1.2371654E+00	G1	1.7764832E-02				
(2S+,5D-)	F0	9.6263981E-01	G2	3.2942175E-02				
(2S+,5D+)	F0	9.2245698E-01	G2	3.0301278E-02				
(2S+,6S+)	F0	4.9888237E-01	G0	2.5914400E-03				
(2S+,6P-)	F0	3.5361697E-01	G1	1.1115515E-03				
(2P-,2P-)	F0	1.6385143E+01						
(2P-,2P+)	F0	1.5075033E+01	G2	6.4731541E+00				
(2P-,3S+)	F0	6.8196286E+00	G1	6.6052490E-01				
(2P-,3P-)	F0	7.3018908E+00	G0	7.9988843E-01				
(2P-,3P+)	F0	6.7166852E+00	G2	6.8549806E-01				
(2P-,3D-)	F0	7.3543416E+00	G1	1.6510649E+00				
(2P-,3D+)	F0	7.1167587E+00	G3	8.4385645E-01				
(2P-,4S+)	F0	3.2638728E+00	G1	1.4788901E-01				
(2P-,4P-)	F0	3.3202340E+00	G0	1.6483702E-01				
(2P-,4P+)	F0	3.0483795E+00	G2	1.4856149E-01				
(2P-,4D-)	F0	3.0259198E+00	G1	3.2619517E-01				
(2P-,4D+)	F0	2.9372785E+00	G3	1.7063136E-01				
(2P-,4F-)	F0	2.6232147E+00	G2	1.4660762E-02				
(2P-,4F+)	F0	2.5852147E+00	G4	8.7828356E-03				
(2P-,5S+)	F0	1.4587086E+00	G1	3.0170602E-02				
(2P-,5P-)	F0	1.3780899E+00	G0	2.9639550E-02				
(2P-,5P+)	F0	1.2476747E+00	G2	2.5991102E-02				
(2P-,5D-)	F0	9.6559003E-01	G1	3.4688987E-02				
(2P-,5D+)	F0	9.2480150E-01	G3	1.7503377E-02				
(2P-,6S+)	F0	4.9995760E-01	G1	3.0427704E-03				
(2P-,6P-)	F0	3.5426545E-01	G0	1.4827965E-03				
(2P+,2P+)	F0	1.4083468E+01	F2	6.6841525E+00				
(2P+,3S+)	F0	6.6549371E+00	G1	6.4683024E-01				
(2P+,3P-)	F0	7.0870472E+00	G2	7.2719997E-01				
(2P+,3P+)	F0	6.5450588E+00	F2	1.6268681E+00	G0	6.5178054E-01	G2	7.0650799E-01
(2P+,3D-)	F0	7.2697037E+00	F2	2.2284750E+00	G1	1.9723148E+00	G3	1.1346101E+00
(2P+,3D+)	F0	7.0456503E+00	F2	2.0789828E+00	G1	1.9202472E+00	G3	1.1053806E+00
(2P+,4S+)	F0	3.2228596E+00	G1	1.4177363E-01				
(2P+,4P-)	F0	3.2696748E+00	G2	1.5653984E-01				
(2P+,4P+)	F0	3.0084476E+00	F2	3.7772737E-01	G0	1.3078683E-01	G2	1.5231823E-01
(2P+,4D-)	F0	3.0068435E+00	F2	4.3201217E-01	G1	3.6445046E-01	G3	2.1616606E-01
(2P+,4D+)	F0	2.9212832E+00	F2	4.0258425E-01	G1	3.6015704E-01	G3	2.1328724E-01
(2P+,4F-)	F0	2.6225629E+00	F2	1.7001743E-01	G2	2.2695186E-02	G4	1.4647189E-02
(2P+,4F+)	F0	2.5846506E+00	F2	1.6231891E-01	G2	2.2255400E-02	G4	1.4360678E-02
(2P+,5S+)	F0	1.4501404E+00	G1	2.8799376E-02				
(2P+,5P-)	F0	1.3687453E+00	G2	2.8403524E-02				
(2P+,5P+)	F0	1.2405856E+00	F2	6.7486321E-02	G0	2.2535019E-02	G2	2.6619450E-02
(2P+,5D-)	F0	9.6351632E-01	F2	4.6518056E-02	G1	3.8355772E-02	G3	2.2869236E-02
(2P+,5D+)	F0	9.2313162E-01	F2	4.1685767E-02	G1	3.6512492E-02	G3	2.1726536E-02
(2P+,6S+)	F0	4.9908987E-01	G1	2.9023400E-03				
(2P+,6P-)	F0	3.5379612E-01	G2	1.4228004E-03				
(3S+,3S+)	F0	5.0723688E+00						
(3S+,3P-)	F0	5.2104741E+00	G1	3.2570408E+00				

TABLE 1.– CONTINUED

THALLIUM 6P1 Z=81

(3S+,3P+)	F0	4.9805929E+00	G1	3.2345745E+00				
(3S+,3D-)	F0	5.2952162E+00	G2	2.1336206E+00				
(3S+,3D+)	F0	5.2282938E+00	G2	2.1646405E+00				
(3S+,4S+)	F0	2.8656857E+00	G0	2.0794194E-01				
(3S+,4P-)	F0	2.8708705E+00	G1	2.1602742E-01				
(3S+,4P+)	F0	2.6716829E+00	G1	2.2346934E-01				
(3S+,4D-)	F0	2.6630641E+00	G2	1.5274125E-01				
(3S+,4D+)	F0	2.6042965E+00	G2	1.4396450E-01				
(3S+,4F-)	F0	2.5563238E+00	G3	3.9396951E-01				
(3S+,4F+)	F0	2.5234103E+00	G3	3.8064021E-01				
(3S+,5S+)	F0	1.3765790E+00	G0	3.5955442E-02				
(3S+,5P-)	F0	1.2960071E+00	G1	3.4533262E-02				
(3S+,5P+)	F0	1.1814296E+00	G1	3.4253423E-02				
(3S+,5D-)	F0	9.2733259E-01	G2	1.5786361E-02				
(3S+,5D+)	F0	8.9107653E-01	G2	1.4126860E-02				
(3S+,6S+)	F0	4.9165757E-01	G0	3.5314335E-03				
(3S+,6P-)	F0	3.5014936E-01	G1	1.7009148E-03				
(3P-,3P-)	F0	5.3829906E+00						
(3P-,3P+)	F0	5.1202239E+00	G2	2.4474733E+00				
(3P-,3D-)	F0	5.4724527E+00	G1	3.0050046E+00				
(3P-,3D+)	F0	5.3960087E+00	G3	1.9340999E+00				
(3P-,4S+)	F0	2.8942578E+00	G1	2.6238703E-01				
(3P-,4P-)	F0	2.9044000E+00	G0	2.3118511E-01				
(3P-,4P+)	F0	2.6997512E+00	G2	2.4234168E-01				
(3P-,4D-)	F0	2.6894774E+00	G1	1.5564552E-01				
(3P-,4D+)	F0	2.6294623E+00	G3	1.5858453E-01				
(3P-,4F-)	F0	2.5652983E+00	G2	4.4864233E-01				
(3P-,4F+)	F0	2.5317781E+00	G4	2.8356119E-01				
(3P-,5S+)	F0	1.3823967E+00	G1	4.6949801E-02				
(3P-,5P-)	F0	1.3020550E+00	G0	3.6161975E-02				
(3P-,5P+)	F0	1.1863163E+00	G2	3.8576608E-02				
(3P-,5D-)	F0	9.3006461E-01	G1	1.5228097E-02				
(3P-,5D+)	F0	8.9357696E-01	G3	1.5222602E-02				
(3P-,6S+)	F0	4.9224429E-01	G1	4.6355295E-03				
(3P-,6P-)	F0	3.5045212E-01	G0	1.7763303E-03				
(3P+,3P+)	F0	4.9020774E+00	F2	2.4386026E+00				
(3P+,3D-)	F0	5.1913397E+00	F2	2.4416581E+00	G1	2.5784674E+00	G3	1.7092682E+00
(3P+,3D+)	F0	5.1271019E+00	F2	2.4487959E+00	G1	2.6346511E+00	G3	1.7463947E+00
(3P+,4S+)	F0	2.8488050E+00	G1	2.6334089E-01				
(3P+,4P-)	F0	2.8557225E+00	G2	2.6291029E-01				
(3P+,4P+)	F0	2.6588187E+00	F2	7.5967480E-01	G0	2.0191962E-01	G2	2.3576512E-01
(3P+,4D-)	F0	2.6488438E+00	F2	7.3916724E-01	G1	1.7215190E-01	G3	1.7513023E-01
(3P+,4D+)	F0	2.5905794E+00	F2	7.0840900E-01	G1	1.5712626E-01	G3	1.6497303E-01
(3P+,4F-)	F0	2.5454995E+00	F2	8.2127560E-01	G2	5.3347325E-01	G4	3.5375042E-01
(3P+,4F+)	F0	2.5131491E+00	F2	7.9873362E-01	G2	5.1825474E-01	G4	3.4386009E-01
(3P+,5S+)	F0	1.3731905E+00	G1	4.5825670E-02				
(3P+,5P-)	F0	1.2933127E+00	G2	4.2317337E-02				
(3P+,5P+)	F0	1.1792339E+00	F2	1.4277412E-01	G0	3.0331891E-02	G2	3.7274945E-02
(3P+,5D-)	F0	9.2585534E-01	F2	8.5695443E-02	G1	1.7438525E-02	G3	1.7815421E-02
(3P+,5D+)	F0	8.8970973E-01	F2	7.8888900E-02	G1	1.5231409E-02	G3	1.6096815E-02
(3P+,6S+)	F0	4.9131662E-01	G1	4.5069771E-03				
(3P+,6P-)	F0	3.5001471E-01	G2	2.0864914E-03				
(3D-,3D-)	F0	5.6791820E+00	F2	2.8709863E+00				
(3D-,3D+)	F0	5.5921342E+00	F2	2.8383427E+00	G2	2.7771848E+00	G4	1.7866693E+00
(3D-,4S+)	F0	2.9108605E+00	G2	2.4609524E-01				

TABLE 1.– CONTINUED

THALLIUM 6P1 Z=81

(3D-,4P-)	F0	2.9197751E+00	G1	2.5147721E-01						
(3D-,4P+)	F0	2.7134595E+00	F2	6.8511693E-01	G1	2.1620335E-01	G3	2.1307000E-01		
(3D-,4D-)	F0	2.7210447E+00	F2	7.0483272E-01	G0	2.2394359E-01	G2	2.7491519E-01		
(3D-,4D+)	F0	2.6601699E+00	F2	6.7828997E-01	G2	2.5990628E-01	G4	2.0196949E-01		
(3D-,4F-)	F0	2.5720019E+00	F2	6.8708752E-01	G1	5.4405803E-01	G3	3.2008846E-01		
(3D-,4F+)	F0	2.5379138E+00	F2	6.6600337E-01	G3	3.0452530E-01	G5	2.1085166E-01		
(3D-,5S+)	F0	1.3857377E+00	G2	4.4525341E-02						
(3D-,5P-)	F0	1.3047682E+00	G1	3.9748604E-02						
(3D-,5P+)	F0	1.1886740E+00	F2	1.2706744E-01	G1	3.3619148E-02	G3	3.4456748E-02		
(3D-,5D-)	F0	9.3331189E-01	F2	7.9832262E-02	G0	2.0800280E-02	G2	2.6933986E-02		
(3D-,5D+)	F0	8.9662170E-01	F2	7.3789305E-02	G2	2.4565143E-02	G4	1.9477455E-02		
(3D-,6S+)	F0	4.9258051E-01	G2	4.4066084E-03						
(3D-,6P-)	F0	3.5058753E-01	G1	1.9556435E-03						
(3D+,3D+)	F0	5.5102110E+00	F2	2.8115808E+00	F4	1.8096168E+00				
(3D+,4S+)	F0	2.8968152E+00	G2	2.5104652E-01						
(3D+,4P-)	F0	2.9046972E+00	G3	2.5321409E-01						
(3D+,4P+)	F0	2.7006575E+00	F2	7.0038407E-01	G1	2.1740839E-01	G3	2.1768748E-01		
(3D+,4D-)	F0	2.7071635E+00	F2	7.1671404E-01	G2	2.6561471E-01	G4	2.0934766E-01		
(3D+,4D+)	F0	2.6471130E+00	F2	6.8971079E-01	F4	3.3170575E-01	G0	2.1290419E-01	G2	2.6502452E-01	G4	2.0738110E-01
(3D+,4F-)	F0	2.5671853E+00	F2	7.1192362E-01	F4	3.5899734E-01	G1	5.6569611E-01	G3	3.3356267E-01	G5	2.3097400E-01
(3D+,4F+)	F0	2.5333981E+00	F2	6.9047460E-01	F4	3.4540704E-01	G1	5.5240416E-01	G3	3.2576858E-01	G5	2.2558891E-01
(3D+,5S+)	F0	1.3828757E+00	G2	4.5009949E-02						
(3D+,5P-)	F0	1.3020448E+00	G3	4.1570301E-02						
(3D+,5P+)	F0	1.1864448E+00	F2	1.3022570E-01	G1	3.3634272E-02	G3	3.5070240E-02		
(3D+,5D-)	F0	9.3186256E-01	F2	8.1463370E-02	G2	2.6022078E-02	G4	2.0956457E-02		
(3D+,5D+)	F0	8.9531202E-01	F2	7.5293945E-02	F4	3.1490636E-02	G0	1.8989792E-02	G2	2.5011797E-02	G4	1.9978124E-02
(3D+,6S+)	F0	4.9229183E-01	G2	4.4492046E-03						
(3D+,6P-)	F0	3.5045116E-01	G3	2.0554950E-03						
(4S+,4S+)	F0	2.2887317E+00								
(4S+,4P-)	F0	2.2851001E+00	G1	1.5377688E+00						
(4S+,4P+)	F0	2.1852932E+00	G1	1.4555916E+00						
(4S+,4D-)	F0	2.1720233E+00	G2	1.0740877E+00						
(4S+,4D+)	F0	2.1411980E+00	G2	1.0548250E+00						
(4S+,4F-)	F0	2.1036281E+00	G3	7.4472809E-01						
(4S+,4F+)	F0	2.0876407E+00	G3	7.4048733E-01						
(4S+,5S+)	F0	1.2704041E+00	G0	7.3232098E-02						
(4S+,5P-)	F0	1.2001252E+00	G1	8.0334498E-02						
(4S+,5P+)	F0	1.1029569E+00	G1	8.4958449E-02						
(4S+,5D-)	F0	8.7933348E-01	G2	4.5892061E-02						
(4S+,5D+)	F0	8.4733243E-01	G2	4.5617123E-02						
(4S+,6S+)	F0	4.8106434E-01	G0	6.3871775E-03						
(4S+,6P-)	F0	3.4539033E-01	G1	3.6493383E-03						
(4P-,4P-)	F0	2.2826768E+00								
(4P-,4P+)	F0	2.1821897E+00	G2	1.1011071E+00						
(4P-,4D-)	F0	2.1691201E+00	G1	1.4015507E+00						
(4P-,4D+)	F0	2.1381806E+00	G3	8.5687367E-01						
(4P-,4F-)	F0	2.0995937E+00	G2	9.1044136E-01						
(4P-,4F+)	F0	2.0836082E+00	G4	6.3148703E-01						
(4P-,5S+)	F0	1.2700581E+00	G1	9.8272183E-02						
(4P-,5P-)	F0	1.2000624E+00	G0	6.9123688E-02						
(4P-,5P+)	F0	1.1028116E+00	G2	8.0143698E-02						
(4P-,5D-)	F0	8.7926451E-01	G1	5.1699190E-02						
(4P-,5D+)	F0	8.4724848E-01	G3	4.1804805E-02						
(4P-,6S+)	F0	4.8103269E-01	G1	8.7274963E-03						
(4P-,6P-)	F0	3.4538814E-01	G0	3.0824995E-03						

TABLE 1.– CONTINUED

THALLIUM 6P1 Z=81

(4P+,4P+)	F0	2.0974471E+00	F2	1.0936788E+00						
(4P+,4D-)	F0	2.0835881E+00	F2	1.0660666E+00	G1	1.3320792E+00	G3	8.4259495E-01		
(4P+,4D+)	F0	2.0569738E+00	F2	1.0543477E+00	G1	1.3282255E+00	G3	8.3793800E-01		
(4P+,4F-)	F0	2.0172795E+00	F2	1.0060320E+00	G2	8.5114496E-01	G4	6.0123326E-01		
(4P+,4F+)	F0	2.0032782E+00	F2	1.0008024E+00	G2	8.5078467E-01	G4	6.0047906E-01		
(4P+,5S+)	F0	1.2539497E+00	G1	1.0650338E-01						
(4P+,5P-)	F0	1.1857633E+00	G2	9.1552202E-02						
(4P+,5P+)	F0	1.0909939E+00	F2	3.0224906E-01	G0	6.0652812E-02	G2	7.7620596E-02		
(4P+,5D-)	F0	8.7208715E-01	F2	1.8626626E-01	G1	4.0869185E-02	G3	3.8852100E-02		
(4P+,5D+)	F0	8.4063488E-01	F2	1.7250014E-01	G1	4.0972859E-02	G3	3.7504947E-02		
(4P+,6S+)	F0	4.7944812E-01	G1	9.0863168E-03						
(4P+,6P-)	F0	3.4468617E-01	G2	4.1566775E-03						
(4D-,4D-)	F0	2.0741358E+00	F2	1.0514677E+00						
(4D-,4D+)	F0	2.0473171E+00	F2	1.0386057E+00	G2	1.0338622E+00	G4	6.9477476E-01		
(4D-,4F-)	F0	2.0070443E+00	F2	9.8972941E-01	G1	1.1282726E+00	G3	7.3110379E-01		
(4D-,4F+)	F0	1.9930363E+00	F2	9.8448750E-01	G3	7.2625915E-01	G5	5.1966840E-01		
(4D-,5S+)	F0	1.2513767E+00	G2	1.2814800E-01						
(4D-,5P-)	F0	1.1836503E+00	G1	1.0534233E-01						
(4D-,5P+)	F0	1.0892655E+00	F2	3.0622695E-01	G1	8.1246952E-02	G3	8.0942144E-02		
(4D-,5D-)	F0	8.7158383E-01	F2	1.9073676E-01	G0	4.1955627E-02	G2	5.0360534E-02		
(4D-,5D+)	F0	8.4015752E-01	F2	1.7655738E-01	G2	4.7181406E-02	G4	3.9105090E-02		
(4D-,6S+)	F0	4.7920751E-01	G2	1.0543083E-02						
(4D-,6P-)	F0	3.4458535E-01	G1	4.4525583E-03						
(4D+,4D+)	F0	2.0217719E+00	F2	1.0277130E+00	F4	6.9339646E-01				
(4D+,4F-)	F0	1.9816269E+00	F2	9.7577311E-01	F4	6.2919878E-01	G1	1.0992987E+00	G3	7.1462532E-01	G5	5.1217369E-01
(4D+,4F+)	F0	1.9681872E+00	F2	9.7121542E-01	F4	6.2689792E-01	G1	1.1008673E+00	G3	7.1506216E-01	G5	5.1234069E-01
(4D+,5S+)	F0	1.2461628E+00	G2	1.3589619E-01						
(4D+,5P-)	F0	1.1790692E+00	G3	1.0840586E-01						
(4D+,5P+)	F0	1.0855091E+00	F2	3.1324527E-01	G1	8.3851470E-02	G3	8.3734175E-02		
(4D+,5D-)	F0	8.6933140E-01	F2	1.9540012E-01	G2	5.0288392E-02	G4	4.2367584E-02		
(4D+,5D+)	F0	8.3808914E-01	F2	1.8087790E-01	F4	7.8539218E-02	G0	3.9216411E-02	G2	4.7318515E-02	G4	3.9526117E-02
(4D+,6S+)	F0	4.7869900E-01	G2	1.0946616E-02						
(4D+,6P-)	F0	3.4436159E-01	G3	4.7445794E-03						
(4F-,4F-)	F0	1.9642762E+00	F2	9.8251599E-01	F4	6.2725327E-01				
(4F-,4F+)	F0	1.9506466E+00	F2	9.7603006E-01	F4	6.2316639E-01	G2	9.7049916E-01	G4	6.1979738E-01	G6	4.4915524E-01
(4F-,5S+)	F0	1.2351404E+00	G3	1.5875330E-01						
(4F-,5P-)	F0	1.1695628E+00	G2	1.4831529E-01						
(4F-,5P+)	F0	1.0780835E+00	F2	3.2188010E-01	G2	1.1077039E-01	G4	9.6641258E-02		
(4F-,5D-)	F0	8.6526269E-01	F2	2.0415964E-01	G1	6.3101289E-02	G3	6.1287479E-02		
(4F-,5D+)	F0	8.3439013E-01	F2	1.8915677E-01	F4	8.6987617E-02	G1	5.6305998E-02	G3	5.5211250E-02	G5	4.4793536E-02
(4F-,6S+)	F0	4.7773087E-01	G3	1.1441207E-02						
(4F-,6P-)	F0	3.4393225E-01	G2	5.3756469E-03						
(4F+,4F+)	F0	1.9373186E+00	F2	9.6989083E-01	F4	6.1934255E-01	F6	4.4880448E-01		
(4F+,5S+)	F0	1.2319945E+00	G3	1.6286704E-01						
(4F+,5P-)	F0	1.1668215E+00	G4	1.2854498E-01						
(4F+,5P+)	F0	1.0758676E+00	F2	3.2553326E-01	G2	1.1407760E-01	G4	9.9097183E-02		
(4F+,5D-)	F0	8.6396947E-01	F2	2.0686553E-01	G3	6.2596558E-02	G5	5.0564598E-02		
(4F+,5D+)	F0	8.3320718E-01	F2	1.9170065E-01	F4	8.8604569E-02	G1	5.8031885E-02	G3	5.6618051E-02	G5	4.5871256E-02
(4F+,6S+)	F0	4.7743465E-01	G3	1.1619039E-02						
(4F+,6P-)	F0	3.4380222E-01	G4	5.0763337E-03						
(5S+,5S+)	F0	1.0237573E+00								
(5S+,5P-)	F0	9.8767054E-01	G1	6.8236315E-01						
(5S+,5P+)	F0	9.3397269E-01	G1	6.0533116E-01						
(5S+,5D-)	F0	7.8497851E-01	G2	3.0541487E-01						
(5S+,5D+)	F0	7.6151584E-01	G2	2.7793366E-01						

TABLE 1.– CONTINUED

THALLIUM 6P1 Z=81

(5S+,6S+)	F0 4.5915499E-01	G0 1.6985792E-02				
(5S+,6P-)	F0 3.3579454E-01	G1 1.2158919E-02				
(5P-,5P-)	F0 9.5562489E-01					
(5P-,5P+)	F0 9.0759554E-01	G2 4.7300724E-01				
(5P-,5D-)	F0 7.6960410E-01	G1 4.2986422E-01				
(5P-,5D+)	F0 7.4759060E-01	G3 2.4621228E-01				
(5P-,6S+)	F0 4.5630787E-01	G1 2.5537335E-02				
(5P-,6P-)	F0 3.3454511E-01	G0 8.7657567E-03				
(5P+,5P+)	F0 8.6778660E-01	F2 4.6650097E-01				
(5P+,5D-)	F0 7.4597731E-01	F2 3.7578283E-01	G1 4.6503903E-01	G3 2.8772380E-01		
(5P+,5D+)	F0 7.2614100E-01	F2 3.5970095E-01	G1 4.3748963E-01	G3 2.7048401E-01		
(5P+,6S+)	F0 4.5195213E-01	G1 3.3835282E-02				
(5P+,6P-)	F0 3.3265001E-01	G2 1.2790509E-02				
(5D-,5D-)	F0 6.6435094E-01	F2 3.4197441E-01				
(5D-,5D+)	F0 6.5033134E-01	F2 3.3384749E-01	G2 3.3327928E-01	G4 2.2037080E-01		
(5D-,6S+)	F0 4.3487376E-01	G2 8.9502206E-02				
(5D-,6P-)	F0 3.2555596E-01	G1 4.3332633E-02				
(5D+,5D+)	F0 6.3719058E-01	F2 3.2693144E-01	F4 2.1588818E-01			
(5D+,6S+)	F0 4.3145353E-01	G2 9.8802380E-02				
(5D+,6P-)	F0 3.2410902E-01	G3 3.6712745E-02				
(6S+,6S+)	F0 3.5994296E-01					
(6S+,6P-)	F0 2.9176913E-01	G1 1.7433365E-01				

LEAD 6P2 Z=82

(1S+,1S+)	F0 5.9404208E+01					
(1S+,2S+)	F0 1.9743608E+01	G0 2.4290628E+00				
(1S+,2P-)	F0 2.3347736E+01	G1 3.8608622E+00				
(1S+,2P+)	F0 1.9500009E+01	G1 3.2308148E+00				
(1S+,3S+)	F0 7.9877043E+00	G0 4.9347453E-01				
(1S+,3P-)	F0 8.6964008E+00	G1 7.6877269E-01				
(1S+,3P+)	F0 7.6599730E+00	G1 7.1050859E-01				
(1S+,3D-)	F0 7.6740238E+00	G2 2.9390580E-02				
(1S+,3D+)	F0 7.3826389E+00	G2 3.2517840E-02				
(1S+,4S+)	F0 3.5943900E+00	G0 1.2415741E-01				
(1S+,4P-)	F0 3.6932215E+00	G1 1.8576236E-01				
(1S+,4P+)	F0 3.3050564E+00	G1 1.7185462E-01				
(1S+,4D-)	F0 3.1374131E+00	G2 7.6868687E-03				
(1S+,4D+)	F0 3.0343562E+00	G2 8.5012967E-03				
(1S+,4F-)	F0 2.6951346E+00	G3 2.8633803E-05				
(1S+,4F+)	F0 2.6555899E+00	G3 3.4654443E-05				
(1S+,5S+)	F0 1.5572943E+00	G0 2.6533070E-02				
(1S+,5P-)	F0 1.4812718E+00	G1 3.5489484E-02				
(1S+,5P+)	F0 1.3245495E+00	G1 3.1720675E-02				
(1S+,5D-)	F0 1.0293707E+00	G2 9.3495227E-04				
(1S+,5D+)	F0 9.8720814E-01	G2 1.0001684E-03				
(1S+,6S+)	F0 5.4265559E-01	G0 3.0027399E-03				
(1S+,6P-)	F0 4.0514184E-01	G1 2.2867344E-03				
(2S+,2S+)	F0 1.3557441E+01					
(2S+,2P-)	F0 1.4728825E+01	G1 7.5188315E+00				
(2S+,2P+)	F0 1.3791963E+01	G1 7.8285542E+00				
(2S+,3S+)	F0 6.7320389E+00	G0 6.0855347E-01				

TABLE 1.– CONTINUED

LEAD 6P2 Z=82

(2S+,3P-)	F0	7.1303401E+00	G1	5.7572162E-01				
(2S+,3P+)	F0	6.5638765E+00	G1	4.9805620E-01				
(2S+,3D-)	F0	7.3550947E+00	G2	1.6678791E+00				
(2S+,3D+)	F0	7.1280765E+00	G2	1.5767499E+00				
(2S+,4S+)	F0	3.2761376E+00	G0	1.3089454E-01				
(2S+,4P-)	F0	3.3173678E+00	G1	1.2535590E-01				
(2S+,4P+)	F0	3.0447139E+00	G1	1.0465860E-01				
(2S+,4D-)	F0	3.0610443E+00	G2	3.1951786E-01				
(2S+,4D+)	F0	2.9736595E+00	G2	3.0518665E-01				
(2S+,4F-)	F0	2.6934374E+00	G3	2.0182718E-02				
(2S+,4F+)	F0	2.6541663E+00	G3	1.9455954E-02				
(2S+,5S+)	F0	1.4891466E+00	G0	2.7033878E-02				
(2S+,5P-)	F0	1.4095465E+00	G1	2.3439045E-02				
(2S+,5P+)	F0	1.2766680E+00	G1	1.8784065E-02				
(2S+,5D-)	F0	1.0202197E+00	G2	3.6853942E-02				
(2S+,5D+)	F0	9.8017707E-01	G2	3.4124137E-02				
(2S+,6S+)	F0	5.3494044E-01	G0	3.0406018E-03				
(2S+,6P-)	F0	4.0052102E-01	G1	1.5053798E-03				
(2P-,2P-)	F0	1.6691851E+01						
(2P-,2P+)	F0	1.5314050E+01	G2	6.5530771E+00				
(2P-,3S+)	F0	6.9431055E+00	G1	6.7293866E-01				
(2P-,3P-)	F0	7.4389453E+00	G0	6.1935760E-01				
(2P-,3P+)	F0	6.8256366E+00	G2	6.9730729E-01				
(2P-,3D-)	F0	7.4741939E+00	G1	1.6709238E+00				
(2P-,3D+)	F0	7.2262435E+00	G3	8.5119297E-01				
(2P-,4S+)	F0	3.3286870E+00	G1	1.5142517E-01				
(2P-,4P-)	F0	3.3897767E+00	G0	1.6985962E-01				
(2P-,4P+)	F0	3.1057375E+00	G2	1.5210797E-01				
(2P-,4D-)	F0	3.0889165E+00	G1	3.3385710E-01				
(2P-,4D+)	F0	2.9966094E+00	G3	1.7414179E-01				
(2P-,4F-)	F0	2.6941904E+00	G2	1.5291821E-02				
(2P-,4F+)	F0	2.6548047E+00	G4	9.1505193E-03				
(2P-,5S+)	F0	1.5003544E+00	G1	3.1568465E-02				
(2P-,5P-)	F0	1.4232982E+00	G0	3.1435022E-02				
(2P-,5P+)	F0	1.2878476E+00	G2	2.7484087E-02				
(2P-,5D-)	F0	1.0235460E+00	G1	3.8799994E-02				
(2P-,5D+)	F0	9.8282645E-01	G3	1.9663112E-02				
(2P-,6S+)	F0	5.3620838E-01	G1	3.5565751E-03				
(2P-,6P-)	F0	4.0140630E-01	G0	2.0157797E-03				
(2P+,2P+)	F0	1.4279933E+01	F2	6.7763953E+00				
(2P+,3S+)	F0	6.7694385E+00	G1	6.5901906E-01				
(2P+,3P-)	F0	7.2122348E+00	G2	7.4160975E-01				
(2P+,3P+)	F0	6.6457269E+00	F2	1.6542633E+00	G0	6.6334354E-01	G2	7.1890800E-01
(2P+,3D-)	F0	7.3854759E+00	F2	2.2687329E+00	G1	2.0069233E+00	G3	1.1545150E+00
(2P+,3D+)	F0	7.1520568E+00	F2	2.1128753E+00	G1	1.9530474E+00	G3	1.1242787E+00
(2P+,4S+)	F0	3.2852079E+00	G1	1.4504321E-01				
(2P+,4P-)	F0	3.3360882E+00	G2	1.6045188E-01				
(2P+,4P+)	F0	3.0635863E+00	F2	3.8657467E-01	G0	1.3391411E-01	G2	1.5598559E-01
(2P+,4D-)	F0	3.0686994E+00	F2	4.4402794E-01	G1	3.7421356E-01	G3	2.2201093E-01
(2P+,4D+)	F0	2.9797295E+00	F2	4.1324708E-01	G1	3.6999687E-01	G3	2.1915608E-01
(2P+,4F-)	F0	2.6934831E+00	F2	1.7764732E-01	G2	2.3974475E-02	G4	1.5473806E-02
(2P+,4F+)	F0	2.6541944E+00	F2	1.6948625E-01	G2	2.3520424E-02	G4	1.5177834E-02
(2P+,5S+)	F0	1.4910693E+00	G1	3.0102331E-02				
(2P+,5P-)	F0	1.4130812E+00	G2	2.9962267E-02				
(2P+,5P+)	F0	1.2801170E+00	F2	7.1269311E-02	G0	2.3823290E-02	G2	2.8153024E-02

TABLE 1.– CONTINUED

LEAD 6P2 Z=82

(2P+,5D-)	F0	1.0211431E+00	F2	5.2130570E-02	G1	4.3014231E-02	G3	2.5657299E-02
(2P+,5D+)	F0	9.8088593E-01	F2	4.6981236E-02	G1	4.1266517E-02	G3	2.4563641E-02
(2P+,6S+)	F0	5.3515770E-01	G1	3.3886766E-03				
(2P+,6P-)	F0	4.0074837E-01	G2	1.9239551E-03				
(3S+,3S+)	F0	5.1609978E+00						
(3S+,3P-)	F0	5.3031231E+00	G1	3.3106826E+00				
(3S+,3P+)	F0	5.0621301E+00	G1	3.2857143E+00				
(3S+,3D-)	F0	5.3846552E+00	G2	2.1707520E+00				
(3S+,3D+)	F0	5.3146461E+00	G2	2.2028444E+00				
(3S+,4S+)	F0	2.9202658E+00	G0	2.1279508E-01				
(3S+,4P-)	F0	2.9278831E+00	G1	2.2087751E-01				
(3S+,4P+)	F0	2.7201522E+00	G1	2.2910472E-01				
(3S+,4D-)	F0	2.7166234E+00	G2	1.5641355E-01				
(3S+,4D+)	F0	2.6556478E+00	G2	1.4738697E-01				
(3S+,4F-)	F0	2.6243644E+00	G3	4.1006453E-01				
(3S+,4F+)	F0	2.5903853E+00	G3	3.9614930E-01				
(3S+,5S+)	F0	1.4142492E+00	G0	3.7549915E-02				
(3S+,5P-)	F0	1.3364354E+00	G1	3.6292536E-02				
(3S+,5P+)	F0	1.2177991E+00	G1	3.6206294E-02				
(3S+,5D-)	F0	9.8065867E-01	G2	1.7646680E-02				
(3S+,5D+)	F0	9.4482675E-01	G2	1.5889361E-02				
(3S+,6S+)	F0	5.2648637E-01	G0	4.1149891E-03				
(3S+,6P-)	F0	3.9582203E-01	G1	2.2888642E-03				
(3P-,3P-)	F0	5.4808361E+00						
(3P-,3P+)	F0	5.2050839E+00	G2	2.4819980E+00				
(3P-,3D-)	F0	5.5664897E+00	G1	3.0594111E+00				
(3P-,3D+)	F0	5.4864463E+00	G3	1.9675592E+00				
(3P-,4S+)	F0	2.9498284E+00	G1	2.6807145E-01				
(3P-,4P-)	F0	2.9626349E+00	G0	2.3705394E-01				
(3P-,4P+)	F0	2.7491178E+00	G2	2.4776251E-01				
(3P-,4D-)	F0	2.7440122E+00	G1	1.5962970E-01				
(3P-,4D+)	F0	2.6817198E+00	G3	1.6259706E-01				
(3P-,4F-)	F0	2.6338509E+00	G2	4.6650503E-01				
(3P-,4F+)	F0	2.5992204E+00	G4	2.9475068E-01				
(3P-,5S+)	F0	1.4204010E+00	G1	4.8964078E-02				
(3P-,5P-)	F0	1.3428877E+00	G0	3.8110930E-02				
(3P-,5P+)	F0	1.2230080E+00	G2	4.0690303E-02				
(3P-,5D-)	F0	9.8375248E-01	G1	1.7020750E-02				
(3P-,5D+)	F0	9.4767588E-01	G3	1.7141616E-02				
(3P-,6S+)	F0	5.2717944E-01	G1	5.3952912E-03				
(3P-,6P-)	F0	3.9623609E-01	G0	2.3966882E-03				
(3P+,3P+)	F0	4.9774083E+00	F2	2.4749927E+00				
(3P+,3D-)	F0	5.2726377E+00	F2	2.4782513E+00	G1	2.6135312E+00	G3	1.7331354E+00
(3P+,3D+)	F0	5.2057023E+00	F2	2.4857847E+00	G1	2.6722639E+00	G3	1.7719791E+00
(3P+,4S+)	F0	2.9019173E+00	G1	2.6928970E-01				
(3P+,4P-)	F0	2.9112252E+00	G2	2.6944561E-01				
(3P+,4P+)	F0	2.7060667E+00	F2	7.7488106E-01	G0	2.0634923E-01	G2	2.4074814E-01
(3P+,4D-)	F0	2.7011014E+00	F2	7.5687775E-01	G1	1.7699878E-01	G3	1.7981957E-01
(3P+,4D+)	F0	2.6406873E+00	F2	7.2489528E-01	G1	1.6113764E-01	G3	1.6915256E-01
(3P+,4F-)	F0	2.6125637E+00	F2	8.5197947E-01	G2	5.5701770E-01	G4	3.6946472E-01
(3P+,4F+)	F0	2.5792093E+00	F2	8.2850970E-01	G2	5.4118613E-01	G4	3.5918170E-01
(3P+,5S+)	F0	1.4104839E+00	G1	4.7774108E-02				
(3P+,5P-)	F0	1.3333840E+00	G2	4.4541052E-02				
(3P+,5P+)	F0	1.2153145E+00	F2	1.4989241E-01	G0	3.1954059E-02	G2	3.9260570E-02
(3P+,5D-)	F0	9.7889802E-01	F2	9.5104424E-02	G1	1.9572706E-02	G3	1.9966360E-02

TABLE 1.– CONTINUED

LEAD 6P2 Z=82

(3P+,5D+)	F0	9.4318755E-01	F2	8.8074470E-02	G1	1.7172871E-02	G3	1.8142803E-02			
(3P+,6S+)	F0	5.2606313E-01	G1	5.2420764E-03							
(3P+,6P-)	F0	3.9562657E-01	G2	2.8118988E-03							
(3D-,3D-)	F0	5.7709776E+00	F2	2.9173250E+00							
(3D-,3D+)	F0	5.6801759E+00	F2	2.8832603E+00	G2	2.8192840E+00	G4	1.8139043E+00			
(3D-,4S+)	F0	2.9658099E+00	G2	2.5155171E-01							
(3D-,4P-)	F0	2.9772815E+00	G1	2.5746714E-01							
(3D-,4P+)	F0	2.7622270E+00	F2	6.9859542E-01	G1	2.2054960E-01	G3	2.1736030E-01			
(3D-,4D-)	F0	2.7755584E+00	F2	7.2166698E-01	G0	2.2953968E-01	G2	2.8096110E-01			
(3D-,4D+)	F0	2.7124203E+00	F2	6.9413262E-01	G2	2.6622898E-01	G4	2.0691754E-01			
(3D-,4F-)	F0	2.6405581E+00	F2	7.1284882E-01	G1	5.6765489E-01	G3	3.3406753E-01			
(3D-,4F+)	F0	2.6053422E+00	F2	6.9080944E-01	G3	3.1763101E-01	G5	2.1995836E-01			
(3D-,5S+)	F0	1.4236839E+00	G2	4.6445280E-02							
(3D-,5P-)	F0	1.3455418E+00	G1	4.1802738E-02							
(3D-,5P+)	F0	1.2253348E+00	F2	1.3340576E-01	G1	3.5371737E-02	G3	3.6271945E-02			
(3D-,5D-)	F0	9.8729450E-01	F2	8.8693508E-02	G0	2.3222337E-02	G2	3.0119765E-02			
(3D-,5D+)	F0	9.5102298E-01	F2	8.2492077E-02	G2	2.7637407E-02	G4	2.1927867E-02			
(3D-,6S+)	F0	5.2754840E-01	G2	5.1302173E-03							
(3D-,6P-)	F0	3.9640579E-01	G1	2.6331336E-03							
(3D+,3D+)	F0	5.5948603E+00	F2	2.8554933E+00	F4	1.8380590E+00					
(3D+,4S+)	F0	2.9510399E+00	G2	2.5676100E-01							
(3D+,4P-)	F0	2.9613971E+00	G3	2.5938340E-01							
(3D+,4P+)	F0	2.7487887E+00	F2	7.1452710E-01	G1	2.2179444E-01	G3	2.2218814E-01			
(3D+,4D-)	F0	2.7609297E+00	F2	7.3408424E-01	G2	2.7210255E-01	G4	2.1457252E-01			
(3D+,4D+)	F0	2.6986763E+00	F2	7.0606208E-01	F4	3.4004043E-01	G0	2.1801306E-01	G2	2.7162506E-01	G4 2.1262102E-01
(3D+,4F-)	F0	2.6353853E+00	F2	7.3917530E-01	F4	3.7421001E-01	G1	5.9059940E-01	G3	3.4837538E-01	G5 2.4126777E-01
(3D+,4F+)	F0	2.6004975E+00	F2	7.1675760E-01	F4	3.5993502E-01	G1	5.7688280E-01	G3	3.4033197E-01	G5 2.3571033E-01
(3D+,5S+)	F0	1.4206081E+00	G2	4.6960977E-02							
(3D+,5P-)	F0	1.3425886E+00	G3	4.3756338E-02							
(3D+,5P+)	F0	1.2229178E+00	F2	1.3678726E-01	G1	3.5384381E-02	G3	3.6932712E-02			
(3D+,5D-)	F0	9.8562619E-01	F2	9.0524156E-02	G2	2.9068790E-02	G4	2.3434751E-02			
(3D+,5D+)	F0	9.4950647E-01	F2	8.4190090E-02	F4	3.5473200E-02	G0	2.1327584E-02	G2	2.8154006E-02	G4 2.2507355E-02
(3D+,6S+)	F0	5.2720182E-01	G2	5.1804649E-03							
(3D+,6P-)	F0	3.9621624E-01	G3	2.7708781E-03							
(4S+,4S+)	F0	2.3326574E+00									
(4S+,4P-)	F0	2.3300660E+00	G1	1.5670620E+00							
(4S+,4P+)	F0	2.2258698E+00	G1	1.4808797E+00							
(4S+,4D-)	F0	2.2153050E+00	G2	1.0955350E+00							
(4S+,4D+)	F0	2.1833312E+00	G2	1.0756041E+00							
(4S+,4F-)	F0	2.1556334E+00	G3	7.6485601E-01							
(4S+,4F+)	F0	2.1393458E+00	G3	7.6088198E-01							
(4S+,5S+)	F0	1.3037251E+00	G0	7.5985850E-02							
(4S+,5P-)	F0	1.2357236E+00	G1	8.3782439E-02							
(4S+,5P+)	F0	1.1353936E+00	G1	8.9094475E-02							
(4S+,5D-)	F0	9.2714600E-01	G2	5.0605113E-02							
(4S+,5D+)	F0	8.9575439E-01	G2	5.0690903E-02							
(4S+,6S+)	F0	5.1417216E-01	G0	7.3634601E-03							
(4S+,6P-)	F0	3.8941722E-01	G1	4.8510091E-03							
(4P-,4P-)	F0	2.3287392E+00									
(4P-,4P+)	F0	2.2236480E+00	G2	1.1197610E+00							
(4P-,4D-)	F0	2.2132992E+00	G1	1.4296914E+00							
(4P-,4D+)	F0	2.1811549E+00	G3	8.7379065E-01							
(4P-,4F-)	F0	2.1523975E+00	G2	9.3486264E-01							
(4P-,4F+)	F0	2.1360863E+00	G4	6.4938880E-01							
(4P-,5S+)	F0	1.3035520E+00	G1	1.0185870E-01							

TABLE 1.– CONTINUED

LEAD 6P2 Z=82

(4P-,5P-)	F0	1.2358290E+00	G0	7.2262357E-02						
(4P-,5P+)	F0	1.1353795E+00	G2	8.3966492E-02						
(4P-,5D-)	F0	9.2715941E-01	G1	5.7056978E-02						
(4P-,5D+)	F0	8.9574343E-01	G3	4.6598871E-02						
(4P-,6S+)	F0	5.1415609E-01	G1	1.0059895E-02						
(4P-,6P-)	F0	3.8942514E-01	G0	4.1037940E-03						
(4P+,4P+)	F0	2.1354174E+00	F2	1.1133012E+00						
(4P+,4D-)	F0	2.1238425E+00	F2	1.0865030E+00	G1	1.3562437E+00	G3	8.5846303E-01		
(4P+,4D+)	F0	2.0963074E+00	F2	1.0745362E+00	G1	1.3528542E+00	G3	8.5398711E-01		
(4P+,4F-)	F0	2.0652339E+00	F2	1.0309776E+00	G2	8.6996234E-01	G4	6.1558549E-01		
(4P+,4F+)	F0	2.0510252E+00	F2	1.0259758E+00	G2	8.7018739E-01	G4	6.1522144E-01		
(4P+,5S+)	F0	1.2863763E+00	G1	1.1056409E-01						
(4P+,5P-)	F0	1.2204463E+00	G2	9.5872760E-02						
(4P+,5P+)	F0	1.1226699E+00	F2	3.1466271E-01	G0	6.3418876E-02	G2	8.1183999E-02		
(4P+,5D-)	F0	9.1897067E-01	F2	2.0369950E-01	G1	4.4837692E-02	G3	4.2920248E-02		
(4P+,5D+)	F0	8.8815026E-01	F2	1.8968688E-01	G1	4.5260708E-02	G3	4.1697279E-02		
(4P+,6S+)	F0	5.1227027E-01	G1	1.0466792E-02						
(4P+,6P-)	F0	3.8845817E-01	G2	5.5446181E-03						
(4D-,4D-)	F0	2.1168287E+00	F2	1.0731871E+00						
(4D-,4D+)	F0	2.0889641E+00	F2	1.0598401E+00	G2	1.0547927E+00	G4	7.0916079E-01		
(4D-,4F-)	F0	2.0572360E+00	F2	1.0157082E+00	G1	1.1542491E+00	G3	7.4973497E-01		
(4D-,4F+)	F0	2.0429606E+00	F2	1.0106139E+00	G3	7.4501561E-01	G5	5.3360656E-01		
(4D-,5S+)	F0	1.2842151E+00	G2	1.3218153E-01						
(4D-,5P-)	F0	1.2186794E+00	G1	1.0964308E-01						
(4D-,5P+)	F0	1.1212257E+00	F2	3.1801966E-01	G1	8.4557110E-02	G3	8.4333134E-02		
(4D-,5D-)	F0	9.1864814E-01	F2	2.0802325E-01	G0	4.6303033E-02	G2	5.5685394E-02		
(4D-,5D+)	F0	8.8783645E-01	F2	1.9362003E-01	G2	5.2510017E-02	G4	4.3595669E-02		
(4D-,6S+)	F0	5.1204720E-01	G2	1.2088652E-02						
(4D-,6P-)	F0	3.8835103E-01	G1	5.8931162E-03						
(4D+,4D+)	F0	2.0624515E+00	F2	1.0485909E+00	F4	7.0473684E-01				
(4D+,4F-)	F0	2.0305197E+00	F2	1.0007879E+00	F4	6.4561013E-01	G1	1.1230133E+00	G3	7.3194911E-01	G5	5.2514536E-01
(4D+,4F+)	F0	2.0168426E+00	F2	9.9641482E-01	F4	6.4351785E-01	G1	1.1253316E+00	G3	7.3286207E-01	G5	5.2565123E-01
(4D+,5S+)	F0	1.2787005E+00	G2	1.4026306E-01						
(4D+,5P-)	F0	1.2137889E+00	G3	1.1305601E-01						
(4D+,5P+)	F0	1.1172157E+00	F2	3.2535919E-01	G1	8.7212968E-02	G3	8.7233058E-02		
(4D+,5D-)	F0	9.1609496E-01	F2	2.1308517E-01	G2	5.5582451E-02	G4	4.6921986E-02		
(4D+,5D+)	F0	8.8547734E-01	F2	1.9833127E-01	F4	8.7321211E-02	G0	4.3539313E-02	G2	5.2655243E-02	G4	4.4066910E-02
(4D+,6S+)	F0	5.1144682E-01	G2	1.2549597E-02						
(4D+,6P-)	F0	3.8804516E-01	G3	6.3006098E-03						
(4F-,4F-)	F0	2.0223148E+00	F2	1.0150802E+00	F4	6.4886187E-01				
(4F-,4F+)	F0	2.0082588E+00	F2	1.0084458E+00	F4	6.4469414E-01	G2	1.0024510E+00	G4	6.4103754E-01	G6	4.6480547E-01
(4F-,5S+)	F0	1.2695885E+00	G3	1.6036599E-01						
(4F-,5P-)	F0	1.2058551E+00	G2	1.5039555E-01						
(4F-,5P+)	F0	1.1110648E+00	F2	3.3174923E-01	G2	1.1193166E-01	G4	9.8408047E-02		
(4F-,5D-)	F0	9.1254302E-01	F2	2.2026483E-01	G1	6.7328456E-02	G3	6.6133062E-02		
(4F-,5D+)	F0	8.8223184E-01	F2	2.0514046E-01	F4	9.5037113E-02	G1	6.0505473E-02	G3	5.9972686E-02	G5	4.8860978E-02
(4F-,6S+)	F0	5.1056474E-01	G3	1.2949991E-02						
(4F-,6P-)	F0	3.8759076E-01	G2	6.9899798E-03						
(4F+,4F+)	F0	1.9945194E+00	F2	1.0021785E+00	F4	6.4080564E-01	F6	4.6461868E-01		
(4F+,5S+)	F0	1.2663636E+00	G3	1.6453657E-01						
(4F+,5P-)	F0	1.2030179E+00	G4	1.3120211E-01						
(4F+,5P+)	F0	1.1087703E+00	F2	3.3552425E-01	G2	1.1522260E-01	G4	1.0088012E-01		
(4F+,5D-)	F0	9.1111762E-01	F2	2.2313160E-01	G3	6.7466864E-02	G5	5.4739974E-02		
(4F+,5D+)	F0	8.8091929E-01	F2	2.0784507E-01	F4	9.6763983E-02	G1	6.2259992E-02	G3	6.1446022E-02	G5	5.0001600E-02
(4F+,6S+)	F0	5.1022460E-01	G3	1.3148166E-02						

TABLE 1.– CONTINUED

LEAD 6P2 Z=82

(4F+,6P-)	F0	3.8741796E-01	G4	6.6375015E-03		
(5S+,5S+)	F0	1.0516962E+00				
(5S+,5P-)	F0	1.0167192E+00	G1	7.0285146E-01		
(5S+,5P+)	F0	9.6132517E-01	G1	6.2305199E-01		
(5S+,5D-)	F0	8.2385518E-01	G2	3.2956213E-01		
(5S+,5D+)	F0	8.0120445E-01	G2	3.0168274E-01		
(5S+,6S+)	F0	4.8917783E-01	G0	1.9160333E-02		
(5S+,6P-)	F0	3.7676228E-01	G1	1.5614148E-02		
(5P-,5P-)	F0	9.8547710E-01				
(5P-,5P+)	F0	9.3566003E-01	G2	4.8711699E-01		
(5P-,5D-)	F0	8.0807505E-01	G1	4.5984444E-01		
(5P-,5D+)	F0	7.8682671E-01	G3	2.6546732E-01		
(5P-,6S+)	F0	4.8610868E-01	G1	2.8547187E-02		
(5P-,6P-)	F0	3.7520786E-01	G0	1.1283332E-02		
(5P+,5P+)	F0	8.9448290E-01	F2	4.8123595E-01		
(5P+,5D-)	F0	7.8235745E-01	F2	3.9837467E-01	G1	4.9554121E-01	G3	3.0754972E-01
(5P+,5D+)	F0	7.6334943E-01	F2	3.8303582E-01	G1	4.6890314E-01	G3	2.9081947E-01
(5P+,6S+)	F0	4.8112438E-01	G1	3.7552890E-02		
(5P+,6P-)	F0	3.7270112E-01	G2	1.6536003E-02		
(5D-,5D-)	F0	7.0461128E-01	F2	3.6536970E-01		
(5D-,5D+)	F0	6.9086634E-01	F2	3.5748465E-01	G2	3.5685280E-01	G4	2.3720881E-01
(5D-,6S+)	F0	4.6448213E-01	G2	9.1822868E-02		
(5D-,6P-)	F0	3.6470985E-01	G1	4.8659618E-02		
(5D+,5D+)	F0	6.7795618E-01	F2	3.5079515E-01	F4	2.3292999E-01		
(5D+,6S+)	F0	4.6115719E-01	G2	1.0133628E-01		
(5D+,6P-)	F0	3.6310085E-01	G3	4.2278667E-02		
(6S+,6S+)	F0	3.8577197E-01				
(6S+,6P-)	F0	3.2459628E-01	G1	2.0149268E-01		
(6P-,6P-)	F0	2.8558175E-01				

BISMUTH 6P3 Z=83

(1S+,1S+)	F0	6.0417745E+01		
(1S+,2S+)	F0	2.0110537E+01	G0	2.4905484E+00
(1S+,2P-)	F0	2.3804995E+01	G1	3.9180503E+00
(1S+,2P+)	F0	1.9773152E+01	G1	3.2621681E+00
(1S+,3S+)	F0	8.1377043E+00	G0	5.0709652E-01
(1S+,3P-)	F0	8.8674686E+00	G1	7.8191319E-01
(1S+,3P+)	F0	7.7806464E+00	G1	7.2120241E-01
(1S+,3D-)	F0	7.7969684E+00	G2	2.9595458E-02
(1S+,3D+)	F0	7.4932501E+00	G2	3.2877102E-02
(1S+,4S+)	F0	3.6678521E+00	G0	1.2823424E-01
(1S+,4P-)	F0	3.7734504E+00	G1	1.9008256E-01
(1S+,4P+)	F0	3.3669691E+00	G1	1.7568849E-01
(1S+,4D-)	F0	3.2020194E+00	G2	7.8285099E-03
(1S+,4D+)	F0	3.0946623E+00	G2	8.6974038E-03
(1S+,4F-)	F0	2.7655743E+00	G3	2.9843908E-05
(1S+,4F+)	F0	2.7245512E+00	G3	3.6381951E-05
(1S+,5S+)	F0	1.6024232E+00	G0	2.7990479E-02
(1S+,5P-)	F0	1.5305961E+00	G1	3.7343789E-02
(1S+,5P+)	F0	1.3670884E+00	G1	3.3463647E-02
(1S+,5D-)	F0	1.0864939E+00	G2	1.0315058E-03

TABLE 1.– CONTINUED

BISMUTH 6P3 Z=83

(1S+,5D+)	F0	1.0438912E+00	G2	1.1149043E-03			
(1S+,6S+)	F0	5.8097827E-01	G0	3.5170451E-03			
(1S+,6P-)	F0	4.5484827E-01	G1	2.9899896E-03			
(1S+,6P+)	F0	3.7899811E-01	G1	2.1719296E-03			
(2S+,2S+)	F0	1.3793831E+01					
(2S+,2P-)	F0	1.4992495E+01	G1	7.6310734E+00			
(2S+,2P+)	F0	1.4008062E+01	G1	7.9526643E+00			
(2S+,3S+)	F0	6.8513822E+00	G0	6.2238705E-01			
(2S+,3P-)	F0	7.2606781E+00	G1	5.8722426E-01			
(2S+,3P+)	F0	6.6676348E+00	G1	5.0720889E-01			
(2S+,3D-)	F0	7.4732115E+00	G2	1.6886386E+00			
(2S+,3D+)	F0	7.2364317E+00	G2	1.5942348E+00			
(2S+,4S+)	F0	3.3400955E+00	G0	1.3454735E-01			
(2S+,4P-)	F0	3.3853908E+00	G1	1.2862933E-01			
(2S+,4P+)	F0	3.1007458E+00	G1	1.0716891E-01			
(2S+,4D-)	F0	3.1236143E+00	G2	3.2699622E-01			
(2S+,4D+)	F0	3.0327087E+00	G2	3.1214169E-01			
(2S+,4F-)	F0	2.7637978E+00	G3	2.1036032E-02			
(2S+,4F+)	F0	2.7230673E+00	G3	2.0278515E-02			
(2S+,5S+)	F0	1.5307338E+00	G0	2.8373475E-02			
(2S+,5P-)	F0	1.4544398E+00	G1	2.4726122E-02			
(2S+,5P+)	F0	1.3165655E+00	G1	1.9835032E-02			
(2S+,5D-)	F0	1.0763197E+00	G2	4.0806095E-02			
(2S+,5D+)	F0	1.0360746E+00	G2	3.7981003E-02			
(2S+,6S+)	F0	5.7196674E-01	G0	3.5422141E-03			
(2S+,6P-)	F0	4.4875169E-01	G1	1.9728813E-03			
(2S+,6P+)	F0	3.7572074E-01	G1	1.2819241E-03			
(2P-,2P-)	F0	1.7003680E+01					
(2P-,2P+)	F0	1.5554957E+01	G2	6.6325365E+00			
(2P-,3S+)	F0	7.0681346E+00	G1	6.8548795E-01			
(2P-,3P-)	F0	7.5778395E+00	G0	8.3927933E-01			
(2P-,3P+)	F0	6.9352374E+00	G2	7.0918512E-01			
(2P-,3D-)	F0	7.5945714E+00	G1	1.6902706E+00			
(2P-,3D+)	F0	7.3359202E+00	G3	8.5815458E-01			
(2P-,4S+)	F0	3.3943482E+00	G1	1.5501964E-01			
(2P-,4P-)	F0	3.4602665E+00	G0	1.7502227E-01			
(2P-,4P+)	F0	3.1635696E+00	G2	1.5570471E-01			
(2P-,4D-)	F0	3.1523361E+00	G1	3.4150747E-01			
(2P-,4D+)	F0	3.0562409E+00	G3	1.7761228E-01			
(2P-,4F-)	F0	2.7645890E+00	G2	1.5909709E-02			
(2P-,4F+)	F0	2.7237354E+00	G4	9.5088269E-03			
(2P-,5S+)	F0	1.5425528E+00	G1	3.3000625E-02			
(2P-,5P-)	F0	1.4690623E+00	G0	3.3294939E-02			
(2P-,5P+)	F0	1.3284409E+00	G2	2.9020154E-02			
(2P-,5D-)	F0	1.0800313E+00	G1	4.2950495E-02			
(2P-,5D+)	F0	1.0390332E+00	G3	2.1829649E-02			
(2P-,6S+)	F0	5.7345130E-01	G1	4.1270918E-03			
(2P-,6P-)	F0	4.4992135E-01	G0	2.6521561E-03			
(2P-,6P+)	F0	3.7649063E-01	G2	1.8774474E-03			
(2P+,2P+)	F0	1.4476868E+01	F2	6.8687933E+00			
(2P+,3S+)	F0	6.8850484E+00	G1	6.7137840E-01			
(2P+,3P-)	F0	7.3386682E+00	G2	7.5626002E-01			
(2P+,3P+)	F0	6.7467224E+00	F2	1.6817709E+00	G0	6.7497902E-01	G2 7.3137175E-01
(2P+,3D-)	F0	7.5016242E+00	F2	2.3091650E+00	G1	2.3415510E+00	G3 1.1744263E+00
(2P+,3D+)	F0	7.2585674E+00	F2	2.1467569E+00	G1	1.9858296E+00	G3 1.1431630E+00

TABLE 1.– CONTINUED

BISMUTH 6P3 Z=83

(2P+,4S+)	F0	3.3482679E+00	G1	1.4836561E-01				
(2P+,4P-)	F0	3.4032735E+00	G2	1.6443473E-01				
(2P+,4P+)	F0	3.1190956E+00	F2	3.9553077E-01	G0	1.3708492E-01	G2	1.5970236E-01
(2P+,4D-)	F0	3.1309244E+00	F2	4.5618971E-01	G1	3.8406432E-01	G3	2.2790930E-01
(2P+,4D+)	F0	3.0384409E+00	F2	4.2401010E-01	G1	3.7993800E-01	G3	2.2508563E-01
(2P+,4F-)	F0	2.7638232E+00	F2	1.8529915E-01	G2	2.5269913E-02	G4	1.6310908E-02
(2P+,4F+)	F0	2.7230769E+00	F2	1.7665495E-01	G2	2.4801466E-02	G4	1.6005376E-02
(2P+,5S+)	F0	1.5325013E+00	G1	3.1435443E-02				
(2P+,5P-)	F0	1.4579092E+00	G2	3.1561227E-02				
(2P+,5P+)	F0	1.3200249E+00	F2	7.5154911E-02	G0	2.5148020E-02	G2	2.9730519E-02
(2P+,5D-)	F0	1.0772760E+00	F2	5.7836675E-02	G1	4.7745091E-02	G3	2.8490662E-02
(2P+,5D+)	F0	1.0368050E+00	F2	5.2348358E-02	G1	4.6099452E-02	G3	2.7449420E-02
(2P+,6S+)	F0	5.7218844E-01	G1	3.9279174E-03				
(2P+,6P-)	F0	4.4902891E-01	G2	2.5176420E-03				
(2P+,6P+)	F0	3.7594492E-01	F2	4.9712483E-03	G0	1.6231250E-03	G2	1.9230688E-03
(3S+,3S+)	F0	5.2505654E+00						
(3S+,3P-)	F0	5.3967838E+00	G1	3.3647612E+00				
(3S+,3P+)	F0	5.1442021E+00	G1	3.3370217E+00				
(3S+,3D-)	F0	5.4747545E+00	G2	2.2083540E+00				
(3S+,3D+)	F0	5.4015408E+00	G2	2.2415170E+00				
(3S+,4S+)	F0	2.9754624E+00	G0	2.1773722E-01				
(3S+,4P-)	F0	2.9855484E+00	G1	2.2579673E-01				
(3S+,4P+)	F0	2.7689662E+00	G1	2.3487171E-01				
(3S+,4D-)	F0	2.7705168E+00	G2	1.6009471E-01				
(3S+,4D+)	F0	2.7072677E+00	G2	1.5083064E-01				
(3S+,4F-)	F0	2.6918586E+00	G3	4.2596734E-01				
(3S+,4F+)	F0	2.6567429E+00	G3	4.1144769E-01				
(3S+,5S+)	F0	1.4523548E+00	G0	3.9182093E-02				
(3S+,5P-)	F0	1.3772674E+00	G1	3.8087615E-02				
(3S+,5P+)	F0	1.2544776E+00	G1	3.8221858E-02				
(3S+,5D-)	F0	1.0324427E+00	G2	1.9522804E-02				
(3S+,5D+)	F0	9.9671291E-01	G2	1.7664207E-02				
(3S+,6S+)	F0	5.6214492E-01	G0	4.7605787E-03				
(3S+,6P-)	F0	4.4258927E-01	G1	2.9806027E-03				
(3S+,6P+)	F0	3.7170116E-01	G1	2.4265378E-03				
(3P-,3P-)	F0	5.5797965E+00						
(3P-,3P+)	F0	5.2904916E+00	G2	2.5163606E+00				
(3P-,3D-)	F0	5.6612235E+00	G1	3.1144829E+00				
(3P-,3D+)	F0	5.5774413E+00	G3	2.0012817E+00				
(3P-,4S+)	F0	3.0060402E+00	G1	2.7383837E-01				
(3P-,4P-)	F0	3.0215547E+00	G0	2.4303894E-01				
(3P-,4P+)	F0	2.7988437E+00	G2	2.5325760E-01				
(3P-,4D-)	F0	2.7989013E+00	G1	1.6367424E-01				
(3P-,4D+)	F0	2.7342626E+00	G3	1.6666257E-01				
(3P-,4F-)	F0	2.7018612E+00	G2	4.8411981E-01				
(3P-,4F+)	F0	2.6660473E+00	G4	3.0575352E-01				
(3P-,5S+)	F0	1.4588529E+00	G1	5.1019388E-02				
(3P-,5P-)	F0	1.3841402E+00	G0	4.0110281E-02				
(3P-,5P+)	F0	1.2600207E+00	G2	4.2859122E-02				
(3P-,5D-)	F0	1.0359101E+00	G1	1.8832776E-02				
(3P-,5D+)	F0	9.9992137E-01	G3	1.9081518E-02				
(3P-,6S+)	F0	5.6295760E-01	G1	6.2342581E-03				
(3P-,6P-)	F0	4.4313718E-01	G0	3.1294458E-03				
(3P-,6P+)	F0	3.7205960E-01	G2	2.7355824E-03				
(3P+,3P+)	F0	5.0529612E+00	F2	2.5114495E+00				

TABLE 1.– CONTINUED

BISMUTH 6P3 Z=83

(3P+,3D-)	F0	5.3541747E+00	F2	2.5149034E+00	G1	2.6486133E+00	G3	1.7570057E+00			
(3P+,3D+)	F0	5.2844602E+00	F2	2.5228436E+00	G1	2.7099706E+00	G3	1.7976185E+00			
(3P+,4S+)	F0	2.9555520E+00	G1	2.7535891E-01							
(3P+,4P-)	F0	2.9672773E+00	G2	2.7612825E-01							
(3P+,4P+)	F0	2.7535828E+00	F2	7.9020697E-01	G0	2.1083126E-01	G2	2.4578241E-01			
(3P+,4D-)	F0	2.7536103E+00	F2	7.7471192E-01	G1	1.8190638E-01	G3	1.8455800E-01			
(3P+,4D+)	F0	2.6909860E+00	F2	7.4147060E-01	G1	1.6517773E-01	G3	1.7336315E-01			
(3P+,4F-)	F0	2.6790235E+00	F2	8.8247479E-01	G2	5.8051704E-01	G4	3.8515461E-01			
(3P+,4F+)	F0	2.6445996E+00	F2	8.5803870E-01	G2	5.6405268E-01	G4	3.7446641E-01			
(3P+,5S+)	F0	1.4481810E+00	G1	4.9763018E-02							
(3P+,5P-)	F0	1.3738251E+00	G2	4.6818229E-02							
(3P+,5P+)	F0	1.2516770E+00	F2	1.5715476E-01	G0	3.3614472E-02	G2	4.1291800E-02			
(3P+,5D-)	F0	1.0303692E+00	F2	1.0455388E-01	G1	2.1744554E-02	G3	2.2149351E-02			
(3P+,5D+)	F0	9.9477305E-01	F2	9.7276380E-02	G1	1.9137930E-02	G3	2.0212563E-02			
(3P+,6S+)	F0	5.6162415E-01	G1	6.0531642E-03							
(3P+,6P-)	F0	4.4231537E-01	G2	3.6673075E-03							
(3P+,6P+)	F0	3.7152054E-01	F2	1.0987065E-02	G0	2.1284844E-03	G2	2.6329061E-03			
(3D-,3D-)	F0	5.8630542E+00	F2	2.9637626E+00							
(3D-,3D+)	F0	5.7683834E+00	F2	2.9282310E+00	G2	2.8613495E+00	G4	1.8411151E+00			
(3D-,4S+)	F0	3.0213173E+00	G2	2.5711074E-01							
(3D-,4P-)	F0	3.0353769E+00	G1	2.6357004E-01							
(3D-,4P+)	F0	2.8112824E+00	F2	7.1218674E-01	G1	2.2493649E-01	G3	2.2168979E-01			
(3D-,4D-)	F0	2.8303536E+00	F2	7.3862897E-01	G0	2.3519369E-01	G2	2.8797462E-01			
(3D-,4D+)	F0	2.7648883E+00	F2	7.1007704E-01	G2	2.7259841E-01	G4	2.1190139E-01			
(3D-,4F-)	F0	2.7085287E+00	F2	7.3844591E-01	G1	5.9120604E-01	G3	3.4802377E-01			
(3D-,4F+)	F0	2.6721139E+00	F2	7.1541068E-01	G3	3.3067951E-01	G5	2.2902720E-01			
(3D-,5S+)	F0	1.4620533E+00	G2	4.8406798E-02							
(3D-,5P-)	F0	1.3867077E+00	G1	4.3901812E-02							
(3D-,5P+)	F0	1.2622957E+00	F2	1.3987411E-01	G1	3.7161907E-02	G3	3.8127265E-02			
(3D-,5D-)	F0	1.0397269E+00	F2	9.7602640E-02	G0	2.5665433E-02	G2	3.3341588E-02			
(3D-,5D+)	F0	1.0035518E+00	F2	9.1224215E-02	G2	3.0736214E-02	G4	2.4402126E-02			
(3D-,6S+)	F0	5.6335673E-01	G2	5.9297335E-03							
(3D-,6P-)	F0	4.4334099E-01	G1	3.4308734E-03							
(3D-,6P+)	F0	3.7220639E-01	F2	9.6699103E-03	G1	2.3642748E-03	G3	2.4391464E-03			
(3D+,3D+)	F0	5.6795807E+00	F2	2.8994367E+00	F4	1.8665200E+00					
(3D+,4S+)	F0	3.0057913E+00	G2	2.6259237E-01							
(3D+,4P-)	F0	3.0186503E+00	G3	2.6567373E-01							
(3D+,4P+)	F0	2.7971833E+00	F2	7.2880312E-01	G1	2.2622243E-01	G3	2.2673538E-01			
(3D+,4D-)	F0	2.8149475E+00	F2	7.5159780E-01	G2	2.7864071E-01	G4	2.1984105E-01			
(3D+,4D+)	F0	2.7504309E+00	F2	7.2252954E-01	F4	3.4844663E-01	G0	2.2316264E-01	G2	2.7828275E-01	G4 2.1790771E-01
(3D+,4F-)	F0	2.7029854E+00	F2	7.6630537E-01	F4	3.8940495E-01	G1	6.1548926E-01	G3	3.6318740E-01	G5 2.5156322E-01
(3D+,4F+)	F0	2.6669277E+00	F2	7.4287776E-01	F4	3.7441801E-01	G1	6.0133637E-01	G3	3.5488791E-01	G5 2.4582876E-01
(3D+,5S+)	F0	1.4587515E+00	G2	4.8955221E-02							
(3D+,5P-)	F0	1.3835107E+00	G3	4.5992905E-02							
(3D+,5P+)	F0	1.2596798E+00	F2	1.4348911E-01	G1	3.7171681E-02	G3	3.8837762E-02			
(3D+,5D-)	F0	1.0378265E+00	F2	9.9638905E-02	G2	3.2143165E-02	G4	2.5940219E-02			
(3D+,5D+)	F0	1.0018165E+00	F2	9.3120995E-02	F4	3.9500897E-02	G0	2.3678730E-02	G2	3.1326611E-02	G4 2.5064875E-02
(3D+,6S+)	F0	5.6294374E-01	G2	5.9885771E-03							
(3D+,6P-)	F0	4.4308606E-01	G3	3.6146613E-03							
(3D+,6P+)	F0	3.7203724E-01	F2	9.9422946E-03	G1	2.3632921E-03	G3	2.4833133E-03			
(4S+,4S+)	F0	2.3770665E+00									
(4S+,4P-)	F0	2.3755302E+00	G1	1.5966246E+00							
(4S+,4P+)	F0	2.2667737E+00	G1	1.5062109E+00							
(4S+,4D-)	F0	2.2589159E+00	G2	1.1170896E+00							
(4S+,4D+)	F0	2.2257530E+00	G2	1.0964462E+00							

TABLE 1.– CONTINUED

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(4S+,4F-)	F0	2.2073791E+00	G3	7.8467574E-01						
(4S+,4F+)	F0	2.1907487E+00	G3	7.8095580E-01						
(4S+,5S+)	F0	1.3374007E+00	G0	7.8784138E-02						
(4S+,5P-)	F0	1.2716296E+00	G1	8.7269817E-02						
(4S+,5P+)	F0	1.1680665E+00	G1	9.3321849E-02						
(4S+,5D-)	F0	9.7338601E-01	G2	5.5278030E-02						
(4S+,5D+)	F0	9.4229557E-01	G2	5.5722712E-02						
(4S+,6S+)	F0	5.4793255E-01	G0	8.4285426E-03						
(4S+,6P-)	F0	4.3424745E-01	G1	6.2408984E-03						
(4S+,6P+)	F0	3.6615537E-01	G1	5.4631661E-03						
(4P-,4P-)	F0	2.3753206E+00								
(4P-,4P+)	F0	2.2654406E+00	G2	1.1383795E+00						
(4P-,4D-)	F0	2.2578231E+00	G1	1.4579795E+00						
(4P-,4D+)	F0	2.2244303E+00	G3	8.9073358E-01						
(4P-,4F-)	F0	2.2049790E+00	G2	9.5896581E-01						
(4P-,4F+)	F0	2.1882983E+00	G4	6.6704939E-01						
(4P-,5S+)	F0	1.3374110E+00	G1	1.0549698E-01						
(4P-,5P-)	F0	1.2719160E+00	G0	7.5451893E-02						
(4P-,5P+)	F0	1.1681934E+00	G2	8.7857109E-02						
(4P-,5D-)	F0	9.7349797E-01	G1	6.2384073E-02						
(4P-,5D+)	F0	9.4237335E-01	G3	5.1372327E-02						
(4P-,6S+)	F0	5.4793737E-01	G1	1.1513236E-02						
(4P-,6P-)	F0	4.3427159E-01	G0	5.2878919E-03						
(4P-,6P+)	F0	3.6616485E-01	G2	5.2464421E-03						
(4P+,4P+)	F0	2.1736086E+00	F2	1.1330145E+00						
(4P+,4D-)	F0	2.1643057E+00	F2	1.1070065E+00	G1	1.3804387E+00	G3	8.7435724E-01		
(4P+,4D+)	F0	2.1358227E+00	F2	1.0947864E+00	G1	1.3775386E+00	G3	8.7007440E-01		
(4P+,4F-)	F0	2.1128273E+00	F2	1.0555440E+00	G2	8.8826181E-01	G4	6.2958818E-01		
(4P+,4F+)	F0	2.0983754E+00	F2	1.0507554E+00	G2	8.8906754E-01	G4	6.2961155E-01		
(4P+,5S+)	F0	1.3191139E+00	G1	1.1471012E-01						
(4P+,5P-)	F0	1.2553915E+00	G2	1.0028134E-01						
(4P+,5P+)	F0	1.1545453E+00	F2	3.2721724E-01	G0	6.6227387E-02	G2	8.4797986E-02		
(4P+,5D-)	F0	9.6424973E-01	F2	2.2088638E-01	G1	4.8731438E-02	G3	4.6956446E-02		
(4P+,5D+)	F0	9.3375561E-01	F2	2.0657197E-01	G1	4.9459453E-02	G3	4.5846587E-02		
(4P+,6S+)	F0	5.4570926E-01	G1	1.1971645E-02						
(4P+,6P-)	F0	4.3298260E-01	G2	7.1580502E-03						
(4P+,6P+)	F0	3.6529891E-01	F2	2.5859822E-02	G0	3.7905535E-03	G2	5.0342260E-03		
(4D-,4D-)	F0	2.1597409E+00	F2	1.0949891E+00						
(4D-,4D+)	F0	2.1307981E+00	F2	1.0811412E+00	G2	1.0757751E+00	G4	7.2358362E-01		
(4D-,4F-)	F0	2.1071320E+00	F2	1.0413999E+00	G1	1.1797388E+00	G3	7.6806257E-01		
(4D-,4F+)	F0	2.0925521E+00	F2	1.0364371E+00	G3	7.6345353E-01	G5	5.4732250E-01		
(4D-,5S+)	F0	1.3173826E+00	G2	1.3629765E-01						
(4D-,5P-)	F0	1.2539941E+00	G1	1.1402351E-01						
(4D-,5P+)	F0	1.1534045E+00	F2	3.2994021E-01	G1	8.7913660E-02	G3	8.7769856E-02		
(4D-,5D-)	F0	9.6414697E-01	F2	2.2501244E-01	G0	5.0613196E-02	G2	6.0974559E-02		
(4D-,5D+)	F0	9.3364406E-01	F2	2.1032854E-01	G2	5.7791862E-02	G4	4.8057956E-02		
(4D-,6S+)	F0	5.4551452E-01	G2	1.3766898E-02						
(4D-,6P-)	F0	4.3287871E-01	G1	7.5515076E-03						
(4D-,6P+)	F0	3.6522859E-01	F2	2.6215199E-02	G1	5.0204691E-03	G3	5.1762437E-03		
(4D+,4D+)	F0	2.1032897E+00	F2	1.0695268E+00	F4	7.1911740E-01				
(4D+,4F-)	F0	2.0790889E+00	F2	1.0254952E+00	F4	6.6178604E-01	G1	1.1461798E+00	G3	7.4893156E-01	G5	5.3787946E-01
(4D+,4F+)	F0	2.0651391E+00	F2	1.0212926E+00	F4	6.5989551E-01	G1	1.1492433E+00	G3	7.5031937E-01	G5	5.3872384E-01
(4D+,5S+)	F0	1.3115536E+00	G2	1.4472934E-01						
(4D+,5P-)	F0	1.2487797E+00	G3	1.1779646E-01						
(4D+,5P+)	F0	1.1491294E+00	F2	3.3760985E-01	G1	9.0620441E-02	G3	9.0780498E-02		

TABLE 1.– CONTINUED

BISMUTH 6P3 Z=83

(4D+,5D-)	F0	9.6128165E-01	F2	2.3046849E-01	G2	6.0836659E-02	G4	5.1456190E-02			
(4D+,5D+)	F0	9.3098383E-01	F2	2.1542417E-01	F4	9.6036962E-02	G0	4.7811263E-02	G2	5.7943979E-02	G4 4.8579870E-02
(4D+,6S+)	F0	5.4481059E-01	G2	1.4290046E-02							
(4D+,6P-)	F0	4.3247404E-01	G3	8.0999876E-03							
(4D+,6P+)	F0	3.6495791E-01	F2	2.6989354E-02	G1	5.1142694E-03	G3	5.3111545E-03			
(4F-,4F-)	F0	2.0797563E+00	F2	1.0472734E+00	F4	6.7022669E-01					
(4F-,4F+)	F0	2.0652415E+00	F2	1.0404747E+00	F4	6.6596822E-01	G2	1.0339950E+00	G4	6.6201094E-01	G6 4.8026206E-01
(4F-,5S+)	F0	1.3042666E+00	G3	1.6220240E-01							
(4F-,5P-)	F0	1.2423756E+00	G2	1.5271673E-01							
(4F-,5P+)	F0	1.1442192E+00	F2	3.4183009E-01	G2	1.1329513E-01	G4	1.0031468E-01			
(4F-,5D-)	F0	9.5833218E-01	F2	2.3600910E-01	G1	7.1456018E-02	G3	7.0885216E-02			
(4F-,5D+)	F0	9.2828129E-01	F2	2.2068905E-01	F4	1.0292644E-01	G1	6.4585810E-02	G3	6.4621477E-02	G5 5.2846892E-02
(4F-,6S+)	F0	5.4404367E-01	G3	1.4577287E-02							
(4F-,6P-)	F0	4.3202566E-01	G2	8.8157457E-03							
(4F-,6P+)	F0	3.6466657E-01	F2	2.7868258E-02	G2	5.7764884E-03	G4	5.4691389E-03			
(4F+,4F+)	F0	2.0510599E+00	F2	1.0340650E+00	F4	6.6200655E-01	F6	4.8024273E-01			
(4F+,5S+)	F0	1.3009488E+00	G3	1.6643688E-01							
(4F+,5P-)	F0	1.2394300E+00	G4	1.3403342E-01							
(4F+,5P+)	F0	1.1418361E+00	F2	3.4573406E-01	G2	1.1657830E-01	G4	1.0280879E-01			
(4F+,5D-)	F0	9.5677007E-01	F2	2.3903639E-01	G3	7.2239425E-02	G5	5.8846120E-02			
(4F+,5D+)	F0	9.2683535E-01	F2	2.2355242E-01	F4	1.0476217E-01	G1	6.6364217E-02	G3	6.6159132E-02	G5 5.4049456E-02
(4F+,6S+)	F0	5.4365430E-01	G3	1.4797469E-02							
(4F+,6P-)	F0	4.3180250E-01	G4	8.4154971E-03							
(4F+,6P+)	F0	3.6451805E-01	F2	2.8302836E-02	G2	5.8800314E-03	G4	5.5638741E-03			
(5S+,5S+)	F0	1.0799498E+00									
(5S+,5P-)	F0	1.0460546E+00	G1	7.2348332E-01							
(5S+,5P+)	F0	9.8891445E-01	G1	6.4079565E-01							
(5S+,5D-)	F0	8.6138378E-01	G2	3.5270225E-01							
(5S+,5D+)	F0	8.3925435E-01	G2	3.2432390E-01							
(5S+,6S+)	F0	5.1960773E-01	G0	2.1470232E-02							
(5S+,6P-)	F0	4.1808557E-01	G1	1.9432635E-02							
(5S+,6P+)	F0	3.5543535E-01	G1	1.7546387E-02							
(5P-,5P-)	F0	1.0156111E+00									
(5P-,5P+)	F0	9.6395555E-01	G2	5.0122891E-01							
(5P-,5D-)	F0	8.4532183E-01	G1	4.8838675E-01							
(5P-,5D+)	F0	8.2455297E-01	G3	2.8372560E-01							
(5P-,6S+)	F0	5.1632047E-01	G1	3.1729482E-02							
(5P-,6P-)	F0	4.1621237E-01	G0	1.4076228E-02							
(5P-,6P+)	F0	3.5415306E-01	G2	1.4688929E-02							
(5P+,5P+)	F0	9.2137858E-01	F2	4.9605429E-01							
(5P+,5D-)	F0	8.1754592E-01	F2	4.1990276E-01	G1	5.2448158E-01	G3	3.2643523E-01			
(5P+,5D+)	F0	7.9908830E-01	F2	4.0511861E-01	G1	4.9855530E-01	G3	3.1039458E-01			
(5P+,6S+)	F0	5.1065110E-01	G1	4.1452936E-02							
(5P+,6P-)	F0	4.1299962E-01	G2	2.0710682E-02							
(5P+,6P+)	F0	3.5197207E-01	F2	6.8453541E-02	G0	1.0654738E-02	G2	1.4230554E-02			
(5D-,5D-)	F0	7.4337144E-01	F2	3.8769862E-01							
(5D-,5D+)	F0	7.2973839E-01	F2	3.7994920E-01	G2	3.7924658E-01	G4	2.5324878E-01			
(5D-,6S+)	F0	4.9428697E-01	G2	9.4480866E-02							
(5D-,6P-)	F0	4.0413095E-01	G1	5.4113504E-02							
(5D-,6P+)	F0	3.4619981E-01	F2	8.8639207E-02	G1	2.8530834E-02	G3	2.4748167E-02			
(5D+,5D+)	F0	7.1691456E-01	F2	3.7339837E-01	F4	2.4911956E-01					
(5D+,6S+)	F0	4.9096988E-01	G2	1.0422567E-01							
(5D+,6P-)	F0	4.0232944E-01	G3	4.8096625E-02							
(5D+,6P+)	F0	3.4504863E-01	F2	9.2304085E-02	G1	3.2924223E-02	G3	2.7603418E-02			
(6S+,6S+)	F0	4.1194638E-01									

TABLE 1.– CONTINUED

BISMUTH 6P3 Z=83

(6S+,6P-)	F0	3.5762749E-01	G1	2.2871438E-01
(6S+,6P+)	F0	3.1682475E-01	G1	1.6833260E-01
(6P-,6P-)	F0	3.2079942E-01		
(6P-,6P+)	F0	2.9080462E-01	G2	1.4462437E-01

POLONIUM 6P4 Z=84

(1S+,1S+)	F0	6.1446496E+01		
(1S+,2S+)	F0	2.0483692E+01	G0	2.5537988E+00
(1S+,2P-)	F0	2.4271050E+01	G1	3.9753574E+00
(1S+,2P+)	F0	2.0047242E+01	G1	3.2928304E+00
(1S+,3S+)	F0	8.2898272E+00	G0	5.2109808E-01
(1S+,3P-)	F0	9.0412030E+00	G1	7.9505781E-01
(1S+,3P+)	F0	7.9018383E+00	G1	7.3181134E-01
(1S+,3D-)	F0	7.9203643E+00	G2	2.9778832E-02
(1S+,3D+)	F0	7.6039458E+00	G2	3.3219424E-02
(1S+,4S+)	F0	3.7423718E+00	G0	1.3244024E-01
(1S+,4P-)	F0	3.8549155E+00	G1	1.9443444E-01
(1S+,4P+)	F0	3.4293570E+00	G1	1.7954168E-01
(1S+,4D-)	F0	3.2670365E+00	G2	7.9652101E-03
(1S+,4D+)	F0	3.1552456E+00	G2	8.8909581E-03
(1S+,4F-)	F0	2.8355224E+00	G3	3.1019903E-05
(1S+,4F+)	F0	2.7929476E+00	G3	3.8097276E-05
(1S+,5S+)	F0	1.6481872E+00	G0	2.9504955E-02
(1S+,5P-)	F0	1.5805578E+00	G1	3.9231873E-02
(1S+,5P+)	F0	1.4099445E+00	G1	3.5241336E-02
(1S+,5D-)	F0	1.1417222E+00	G2	1.1263143E-03
(1S+,5D+)	F0	1.0982793E+00	G2	1.2285858E-03
(1S+,6S+)	F0	6.1718940E-01	G0	4.0397529E-03
(1S+,6P-)	F0	4.9767969E-01	G1	3.6587335E-03
(1S+,6P+)	F0	4.1811485E-01	G1	2.7328629E-03
(2S+,2S+)	F0	1.4033573E+01		
(2S+,2P-)	F0	1.5260206E+01	G1	7.7441341E+00
(2S+,2P+)	F0	1.4225961E+01	G1	8.0778374E+00
(2S+,3S+)	F0	6.9721632E+00	G0	6.3651346E-01
(2S+,3P-)	F0	7.3926806E+00	G1	5.9887255E-01
(2S+,3P+)	F0	6.7719606E+00	G1	5.1652624E-01
(2S+,3D-)	F0	7.5918486E+00	G2	1.7089248E+00
(2S+,3D+)	F0	7.3449929E+00	G2	1.6111907E+00
(2S+,4S+)	F0	3.4048570E+00	G0	1.3829466E-01
(2S+,4P-)	F0	3.4542965E+00	G1	1.3196183E-01
(2S+,4P+)	F0	3.1572038E+00	G1	1.0973125E-01
(2S+,4D-)	F0	3.1865881E+00	G2	3.3447343E-01
(2S+,4D+)	F0	3.0920530E+00	G2	3.1908392E-01
(2S+,4F-)	F0	2.8336674E+00	G3	2.1873531E-02
(2S+,4F+)	F0	2.7914049E+00	G3	2.1085299E-02
(2S+,5S+)	F0	1.5728345E+00	G0	2.9755973E-02
(2S+,5P-)	F0	1.4998066E+00	G1	2.6046140E-02
(2S+,5P+)	F0	1.3567235E+00	G1	2.0914442E-02
(2S+,5D-)	F0	1.1305225E+00	G2	4.4737205E-02
(2S+,5D+)	F0	1.0896880E+00	G2	4.1802431E-02
(2S+,6S+)	F0	6.0686780E-01	G0	4.0467285E-03

TABLE 1.– CONTINUED

POLONIUM 6P4 Z=84

(2S+,6P-)	F0 4.9015011E-01	G1 2.4201092E-03				
(2S+,6P+)	F0 4.1399011E-01	G1 1.6144197E-03				
(2P-,2P-)	F0 1.7320857E+01					
(2P-,2P+)	F0 1.5797812E+01	G2 6.7115067E+00				
(2P-,3S+)	F0 7.1947534E+00	G1 6.9817560E-01				
(2P-,3P-)	F0 7.7186318E+00	G0 8.5967583E-01				
(2P-,3P+)	F0 7.0454888E+00	G2 7.2113291E-01				
(2P-,3D-)	F0 7.7154634E+00	G1 1.7090735E+00				
(2P-,3D+)	F0 7.4457700E+00	G3 8.6472499E-01				
(2P-,4S+)	F0 3.4608657E+00	G1 1.5867318E-01				
(2P-,4P-)	F0 3.5317167E+00	G0 1.8033059E-01				
(2P-,4P+)	F0 3.2218678E+00	G2 1.5935189E-01				
(2P-,4D-)	F0 3.2161696E+00	G1 3.4913802E-01				
(2P-,4D+)	F0 3.1161668E+00	G3 1.8103826E-01				
(2P-,4F-)	F0 2.8344967E+00	G2 1.6513160E-02				
(2P-,4F+)	F0 2.7921023E+00	G4 9.8570834E-03				
(2P-,5S+)	F0 1.5852884E+00	G1 3.4466597E-02				
(2P-,5P-)	F0 1.5153343E+00	G0 3.5218872E-02				
(2P-,5P+)	F0 1.3693182E+00	G2 3.0593667E-02				
(2P-,5D-)	F0 1.1346232E+00	G1 4.7075227E-02				
(2P-,5D+)	F0 1.0929546E+00	G3 2.3962317E-02				
(2P-,6S+)	F0 6.0857234E-01	G1 4.6959091E-03				
(2P-,6P-)	F0 4.9159677E-01	G0 3.2666077E-03				
(2P-,6P+)	F0 4.1496561E-01	G2 2.3642001E-03				
(2P+,2P+)	F0 1.4674290E+01	F2 6.9613511E+00				
(2P+,3S+)	F0 7.0017821E+00	G1 6.8391622E-01				
(2P+,3P-)	F0 7.4663751E+00	G2 7.7116435E-01				
(2P+,3P+)	F0 6.8480358E+00	F2 1.7093855E+00	G0 6.8668927E-01	G2 7.4389918E-01		
(2P+,3D-)	F0 7.6181344E+00	F2 2.3497593E+00	G1 2.0761814E+00	G3 1.1943339E+00		
(2P+,3D+)	F0 7.3651628E+00	F2 2.1806124E+00	G1 2.0185761E+00	G3 1.1620228E+00		
(2P+,4S+)	F0 3.4120421E+00	G1 1.5174196E-01				
(2P+,4P-)	F0 3.4712348E+00	G2 1.6849011E-01				
(2P+,4P+)	F0 3.1749634E+00	F2 4.0459340E-01	G0 1.4029964E-01	G2 1.6346823E-01		
(2P+,4D-)	F0 3.1935078E+00	F2 4.6849511E-01	G1 3.9399949E-01	G3 2.3385896E-01		
(2P+,4D+)	F0 3.0974101E+00	F2 4.3487158E-01	G1 3.8997904E-01	G3 2.3107473E-01		
(2P+,4F-)	F0 2.8336696E+00	F2 1.9297488E-01	G2 2.6580770E-02	G4 1.7158023E-02		
(2P+,4F+)	F0 2.7913934E+00	F2 1.8382764E-01	G2 2.6097996E-02	G4 1.6842964E-02		
(2P+,5S+)	F0 1.5744182E+00	G1 3.2798259E-02				
(2P+,5P-)	F0 1.5031783E+00	G2 3.3198474E-02				
(2P+,5P+)	F0 1.3601725E+00	F2 7.9128070E-02	G0 2.6504330E-02	G2 3.1346019E-02		
(2P+,5D-)	F0 1.1314955E+00	F2 6.3554362E-02	G1 5.2477721E-02	G3 3.1327116E-02		
(2P+,5D+)	F0 1.0904251E+00	F2 5.7696398E-02	G1 5.0928747E-02	G3 3.0334635E-02		
(2P+,6S+)	F0 6.0708418E-01	G1 4.4643733E-03				
(2P+,6P-)	F0 4.9046384E-01	G2 3.0837837E-03				
(2P+,6P+)	F0 4.1425712E-01	F2 6.2357393E-03	G0 2.0430137E-03	G2 2.4218771E-03		
(3S+,3S+)	F0 5.3410858E+00					
(3S+,3P-)	F0 5.4914762E+00	G1 3.4192802E+00				
(3S+,3P+)	F0 5.2268066E+00	G1 3.3884785E+00				
(3S+,3D-)	F0 5.5655139E+00	G2 2.2464317E+00				
(3S+,3D+)	F0 5.4889732E+00	G2 2.2806607E+00				
(3S+,4S+)	F0 3.0312788E+00	G0 2.2277095E-01				
(3S+,4P-)	F0 3.0438707E+00	G1 2.3078629E-01				
(3S+,4P+)	F0 2.8181154E+00	G1 2.4077510E-01				
(3S+,4D-)	F0 2.8247367E+00	G2 1.6378412E-01				
(3S+,4D+)	F0 2.7591515E+00	G2 1.5429783E-01				

TABLE 1.– CONTINUED

POLONIUM 6P4 Z=84

(3S+,4F-)	F0	2.7588947E+00	G3	4.4167844E-01				
(3S+,4F+)	F0	2.7225800E+00	G3	4.2653844E-01				
(3S+,5S+)	F0	1.4908795E+00	G0	4.0851744E-02				
(3S+,5P-)	F0	1.4184585E+00	G1	3.9915795E-02				
(3S+,5P+)	F0	1.2913429E+00	G1	4.0294150E-02				
(3S+,5D-)	F0	1.0823316E+00	G2	2.1385313E-02				
(3S+,5D+)	F0	1.0463439E+00	G2	1.9419677E-02				
(3S+,6S+)	F0	5.9567814E-01	G0	5.4008224E-03				
(3S+,6P-)	F0	4.8258506E-01	G1	3.6333434E-03				
(3S+,6P+)	F0	4.0893372E-01	G1	3.0516777E-03				
(3P-,3P-)	F0	5.6798998E+00						
(3P-,3P+)	F0	5.3764474E+00	G2	2.5505386E+00				
(3P-,3D-)	F0	5.7566578E+00	G1	3.1732300E+00				
(3P-,3D+)	F0	5.6689920E+00	G3	2.0352646E+00				
(3P-,4S+)	F0	3.0628976E+00	G1	2.7968958E-01				
(3P-,4P-)	F0	3.0811656E+00	G0	2.4914451E-01				
(3P-,4P+)	F0	2.6489208E+00	G2	2.5882781E-01				
(3P-,4D-)	F0	2.8541378E+00	G1	1.6778324E-01				
(3P-,4D+)	F0	2.7870673E+00	G3	1.7078458E-01				
(3P-,4F-)	F0	2.7694172E+00	G2	5.0148610E-01				
(3P-,4F+)	F0	2.7323555E+00	G4	3.1657068E-01				
(3P-,5S+)	F0	1.4977365E+00	G1	5.3114868E-02				
(3P-,5P-)	F0	1.4257680E+00	G0	4.2158126E-02				
(3P-,5P+)	F0	1.2972313E+00	G2	4.5074788E-02				
(3P-,5D-)	F0	1.0861794E+00	G1	2.0637374E-02				
(3P-,5D+)	F0	1.0499167E+00	G3	2.1009049E-02				
(3P-,6S+)	F0	5.9661242E-01	G1	7.0638249E-03				
(3P-,6P-)	F0	4.8326363E-01	G0	3.8253490E-03				
(3P-,6P+)	F0	4.0938854E-01	G2	3.4334817E-03				
(3P+,3P+)	F0	5.1287256E+00	F2	2.5479670E+00				
(3P+,3D-)	F0	5.4359384E+00	F2	2.5516071E+00	G1	2.6837087E+00	G3	1.7808743E+00
(3P+,3D+)	F0	5.3633616E+00	F2	2.5599653E+00	G1	2.7477670E+00	G3	1.8233086E+00
(3P+,4S+)	F0	3.0097077E+00	G1	2.8155345E-01				
(3P+,4P-)	F0	3.0238780E+00	G2	2.8296439E-01				
(3P+,4P+)	F0	2.8013552E+00	F2	8.0564752E-01	G0	2.1536630E-01	G2	2.5086753E-01
(3P+,4D-)	F0	2.8063593E+00	F2	7.9266385E-01	G1	1.8687223E-01	G3	1.8934384E-01
(3P+,4D+)	F0	2.7414677E+00	F2	7.5813112E-01	G1	1.6924482E-01	G3	1.7760388E-01
(3P+,4F-)	F0	2.7449650E+00	F2	9.1278962E-01	G2	6.0398000E-01	G4	4.0082547E-01
(3P+,4F+)	F0	2.7094153E+00	F2	8.8735291E-01	G2	5.8666645E-01	G4	3.8972191E-01
(3P+,5S+)	F0	1.4862639E+00	G1	5.1791800E-02				
(3P+,5P-)	F0	1.4145897E+00	G2	4.9146282E-02				
(3P+,5P+)	F0	1.2881982E+00	F2	1.6453038E-01	G0	3.5306418E-02	G2	4.3360105E-02
(3P+,5D-)	F0	1.0799173E+00	F2	1.1391067E-01	G1	2.3922106E-02	G3	2.4331879E-02
(3P+,5D+)	F0	1.0440771E+00	F2	1.0634382E-01	G1	2.1092178E-02	G3	2.2269922E-02
(3P+,6S+)	F0	5.4505074E-01	G1	6.8542028E-03				
(3P+,6P-)	F0	4.8222659E-01	G2	4.4774483E-03				
(3P+,6P+)	F0	4.0869147E-01	F2	1.3617078E-02	G0	2.6665640E-03	G2	3.2992594E-03
(3D-,3D-)	F0	5.9553959E+00	F2	3.0102879E+00				
(3D-,3D+)	F0	5.8567386E+00	F2	2.9732427E+00	G2	2.9033684E+00	G4	1.8682930E+00
(3D-,4S+)	F0	3.0773816E+00	G2	2.6277582E-01				
(3D-,4P-)	F0	3.0940611E+00	G1	2.6979049E-01				
(3D-,4P+)	F0	2.8606135E+00	F2	7.2588729E-01	G1	2.2936424E-01	G3	2.2605845E-01
(3D-,4D-)	F0	2.8854191E+00	F2	7.5571485E-01	G0	2.4090789E-01	G2	2.9505666E-01
(3D-,4D+)	F0	2.8175060E+00	F2	7.2612151E-01	G2	2.7901616E-01	G4	2.1692192E-01
(3D-,4F-)	F0	2.7759993E+00	F2	7.6390217E-01	G1	6.1472366E-01	G3	3.6196376E-01

TABLE 1.– CONTINUED

POLONIUM 6P4 Z=84

(3D-,4F+)	F0 2.7383235E+00	F2 7.3983394E-01	G3 3.4367890E-01	G5 2.3806362E-01	
(3D-,5S+)	F0 1.5008277E+00	G2 5.0409295E-02			
(3D-,5P-)	F0 1.4282186E+00	G1 4.6043051E-02			
(3D-,5P+)	F0 1.2994316E+00	F2 1.4644510E-01	G1 3.8982007E-02	G3 4.0014822E-02	
(3D-,5D-)	F0 1.0902436E+00	F2 1.0643272E-01	G0 2.8093054E-02	G2 3.6551306E-02	
(3D-,5D+)	F0 1.0538033E+00	F2 9.9841182E-02	G2 3.3807333E-02	G4 2.6856994E-02	
(3D-,6S+)	F0 5.9703224E-01	G2 6.7209611E-03			
(3D-,6P-)	F0 4.8348997E-01	G1 4.1846586E-03			
(3D-,6P+)	F0 4.0955807E-01	F2 1.1998275E-02	G1 2.9590984E-03	G3 3.0555010E-03	
(3D+,3D+)	F0 5.7643529E+00	F2 2.9433990E+00	F4 1.8949917E+00		
(3D+,4S+)	F0 3.0610671E+00	G2 2.6854503E-01			
(3D+,4P-)	F0 3.0764553E+00	G3 2.7208957E-01			
(3D+,4P+)	F0 2.8458284E+00	F2 7.4320872E-01	G1 2.3069262E-01	G3 2.3132937E-01	
(3D+,4D-)	F0 2.8692048E+00	F2 7.6925088E-01	G2 2.8522949E-01	G4 2.2515322E-01	
(3D+,4D+)	F0 2.8023684E+00	F2 7.3911144E-01	F4 3.5692409E-01	G0 2.2835544E-01	G2 2.8499913E-01	G4 2.2324214E-01
(3D+,4F-)	F0 2.7700705E+00	F2 7.9333866E-01	F4 4.0459237E-01	G1 6.4037866E-01	G3 3.7800596E-01	G5 2.6186521E-01
(3D+,4F+)	F0 2.7327830E+00	F2 7.6886347E-01	F4 3.8886800E-01	G1 6.2578169E-01	G3 3.6944586E-01	G5 2.5595064E-01
(3D+,5S+)	F0 1.4972873E+00	G2 5.0992167E-02			
(3D+,5P-)	F0 1.4247636E+00	G3 4.8277119E-02			
(3D+,5P+)	F0 1.2966055E+00	F2 1.5030346E-01	G1 3.8988537E-02	G3 4.0777437E-02	
(3D+,5D-)	F0 1.0881066E+00	F2 1.0867854E-01	G2 3.5198584E-02	G4 2.8435109E-02	
(3D+,5D+)	F0 1.0518401E+00	F2 1.0193958E-01	F4 4.3504248E-02	G0 2.6001980E-02	G2 3.4474032E-02	G4 2.7606353E-02
(3D+,6S+)	F0 5.9654979E-01	G2 6.7885465E-03			
(3D+,6P-)	F0 4.8316915E-01	G3 4.4140035E-03			
(3D+,6P+)	F0 4.0933978E-01	F2 1.2339974E-02	G1 2.9574097E-03	G3 3.1119783E-03	
(4S+,4S+)	F0 2.4219596E+00				
(4S+,4P-)	F0 2.4214938E+00	G1 1.6264552E+00			
(4S+,4P+)	F0 2.3079980E+00	G1 1.5315675E+00			
(4S+,4D-)	F0 2.3028508E+00	G2 1.1387475E+00			
(4S+,4D+)	F0 2.2684593E+00	G2 1.1173457E+00			
(4S+,4F-)	F0 2.2589395E+00	G3 8.0424476E-01			
(4S+,4F+)	F0 2.2419298E+00	G3 8.0076976E-01			
(4S+,5S+)	F0 1.3714169E+00	G0 8.1625597E-02			
(4S+,5P-)	F0 1.3078058E+00	G1 9.0790583E-02			
(4S+,5P+)	F0 1.2008717E+00	G1 9.7623844E-02			
(4S+,5D-)	F0 1.0177860E+00	G2 5.9842797E-02			
(4S+,5D+)	F0 9.8666092E-01	G2 6.0627879E-02			
(4S+,6S+)	F0 5.7959282E-01	G0 9.4631413E-03			
(4S+,6P-)	F0 4.7241459E-01	G1 7.5190236E-03			
(4S+,6P+)	F0 4.0200059E-01	G1 6.7881217E-03			
(4P-,4P-)	F0 2.4224225E+00				
(4P-,4P+)	F0 2.3075606E+00	G2 1.1569457E+00			
(4P-,4D-)	F0 2.3026865E+00	G1 1.4864068E+00			
(4P-,4D+)	F0 2.2680026E+00	G3 9.0769475E-01			
(4P-,4F-)	F0 2.2574099E+00	G2 9.8281918E-01			
(4P-,4F+)	F0 2.2403221E+00	G4 6.8451717E-01			
(4P-,5S+)	F0 1.3716210E+00	G1 1.0918493E-01			
(4P-,5P-)	F0 1.3082861E+00	G0 7.8687591E-02			
(4P-,5P+)	F0 1.2011495E+00	G2 9.1797973E-02			
(4P-,5D-)	F0 1.0180119E+00	G1 6.7605233E-02			
(4P-,5D+)	F0 9.8684241E-01	G3 5.6043147E-02			
(4P-,6S+)	F0 5.7962412E-01	G1 1.2924162E-02			
(4P-,6P-)	F0 4.7246051E-01	G0 6.3815214E-03			
(4P-,6P+)	F0 4.0202355E-01	G2 6.5181849E-03			
(4P+,4P+)	F0 2.2120096E+00	F2 1.1528108E+00			

TABLE 1.– CONTINUED

POLONIUM 6P4 Z=84

(4P+,4D-)	F0	2.2049675E+00	F2	1.1275736E+00	G1	1.4046584E+00	G3	8.9027276E-01			
(4P+,4D+)	F0	2.1755109E+00	F2	1.1150932E+00	G1	1.4022749E+00	G3	8.8619643E-01			
(4P+,4F-)	F0	2.1601233E+00	F2	1.0797852E+00	G2	9.0610619E-01	G4	6.4328364E-01			
(4P+,4F+)	F0	2.1453987E+00	F2	1.0751998E+00	G2	9.0749211E-01	G4	6.4369481E-01			
(4P+,5S+)	F0	1.3521465E+00	G1	1.1894306E-01							
(4P+,5P-)	F0	1.2905605E+00	G2	1.0477470E-01							
(4P+,5P+)	F0	1.1865173E+00	F2	3.3985719E-01	G0	6.9065124E-02	G2	8.8445289E-02			
(4P+,5D-)	F0	1.0076678E+00	F2	2.3761173E-01	G1	5.2491646E-02	G3	5.0898957E-02			
(4P+,5D+)	F0	9.7716889E-01	F2	2.2291028E-01	G1	5.3495269E-02	G3	4.9879094E-02			
(4P+,6S+)	F0	5.7704267E-01	G1	1.3431984E-02							
(4P+,6P-)	F0	4.7085209E-01	G2	8.6541690E-03							
(4P+,6P+)	F0	4.0091570E-01	F2	3.1480503E-02	G0	4.6895246E-03	G2	6.2406861E-03			
(4D-,4D-)	F0	2.2028622E+00	F2	1.1168671E+00							
(4D-,4D+)	F0	2.1728103E+00	F2	1.1025036E+00	G2	1.0968036E+00	G4	7.3803925E-01			
(4D-,4F-)	F0	2.1567893E+00	F2	1.0668498E+00	G1	1.2048084E+00	G3	7.8612871E-01			
(4D-,4F+)	F0	2.1418738E+00	F2	1.0620068E+00	G3	7.8161836E-01	G5	5.6084833E-01			
(4D-,5S+)	F0	1.3508631E+00	G2	1.4049592E-01							
(4D-,5P-)	F0	1.2895556E+00	G1	1.1847910E-01							
(4D-,5P+)	F0	1.1856990E+00	F2	3.4193393E-01	G1	9.1299300E-02	G3	9.1234715E-02			
(4D-,5D-)	F0	1.0078218E+00	F2	2.4149378E-01	G0	5.4821920E-02	G2	6.6147126E-02			
(4D-,5D+)	F0	9.7729617E-01	F2	2.2644274E-01	G2	6.2933120E-02	G4	5.2412198E-02			
(4D-,6S+)	F0	5.7689039E-01	G2	1.5384064E-02							
(4D-,6P-)	F0	4.7076711E-01	G1	9.0668927E-03							
(4D-,6P+)	F0	4.0085636E-01	F2	3.1815938E-02	G1	6.1928912E-03	G3	6.3993870E-03			
(4D+,4D+)	F0	2.1442794E+00	F2	1.0905164E+00	F4	7.3353525E-01					
(4D+,4F-)	F0	2.1273917E+00	F2	1.0499402E+00	F4	6.7775938E-01	G1	1.1688637E+00	G3	7.6561428E-01	G5 5.5040546E-01
(4D+,4F+)	F0	2.1131400E+00	F2	1.0458984E+00	F4	6.7606668E-01	G1	1.1726729E+00	G3	7.6747925E-01	G5 5.5159063E-01
(4D+,5S+)	F0	1.3447061E+00	G2	1.4929458E-01							
(4D+,5P-)	F0	1.2840030E+00	G3	1.2262172E-01							
(4D+,5P+)	F0	1.1811479E+00	F2	3.4994124E-01	G1	9.4355970E-02	G3	9.4358142E-02			
(4D+,5D-)	F0	1.0046370E+00	F2	2.4733638E-01	G2	6.5970363E-02	G4	5.5900310E-02			
(4D+,5D+)	F0	9.7432902E-01	F2	2.3191295E-01	F4	1.0454047E-01	G0	5.1958341E-02	G2	6.3090776E-02	G4 5.2984400E-02
(4D+,6S+)	F0	5.7608095E-01	G2	1.5967208E-02							
(4D+,6P-)	F0	4.7026585E-01	G3	9.7551944E-03							
(4D+,6P+)	F0	4.0051248E-01	F2	3.2751730E-02	G1	6.3021358E-03	G3	6.5635851E-03			
(4F-,4F-)	F0	2.1366907E+00	F2	1.0791521E+00	F4	6.9138509E-01					
(4F-,4F+)	F0	2.1216894E+00	F2	1.0721760E+00	F4	6.8702799E-01	G2	1.0651901E+00	G4	6.8275655E-01	G6 4.9555355E-01
(4F-,5S+)	F0	1.3391763E+00	G3	1.6424501E-01							
(4F-,5P-)	F0	1.2790975E+00	G2	1.5525126E-01							
(4F-,5P+)	F0	1.1774544E+00	F2	3.5205927E-01	G2	1.1481907E-01	G4	1.0232988E-01			
(4F-,5D-)	F0	1.0023677E+00	F2	2.5120031E-01	G1	7.5417182E-02	G3	7.5470018E-02			
(4F-,5D+)	F0	9.7225024E-01	F2	2.3558449E-01	F4	1.1052578E-01	G1	6.8472631E-02	G3	6.9074581E-02	G5 5.6680127E-02
(4F-,6S+)	F0	5.7546854E-01	G3	1.6120754E-02							
(4F-,6P-)	F0	4.6987611E-01	G2	1.0436972E-02							
(4F-,6P+)	F0	4.0025487E-01	F2	3.3468901E-02	G2	7.0039015E-03	G4	6.6682382E-03			
(4F+,4F+)	F0	2.1070393E+00	F2	1.0656127E+00	F4	6.8298661E-01	F6	4.9570688E-01			
(4F+,5S+)	F0	1.3357532E+00	G3	1.6834943E-01							
(4F+,5P-)	F0	1.2760323E+00	G4	1.3701953E-01							
(4F+,5P+)	F0	1.1749741E+00	F2	3.5609810E-01	G2	1.1810095E-01	G4	1.0485060E-01			
(4F+,5D-)	F0	1.0006663E+00	F2	2.5438608E-01	G3	7.6839478E-02	G5	6.2819093E-02			
(4F+,5D+)	F0	9.7066936E-01	F2	2.3850292E-01	F4	1.1246770E-01	G1	7.0269290E-02	G3	7.0673092E-02	G5 5.7942556E-02
(4F+,6S+)	F0	5.7503000E-01	G3	1.6361631E-02							
(4F+,6P-)	F0	4.6960539E-01	G4	1.0011260E-02							
(4F+,6P+)	F0	4.0007068E-01	F2	3.3981631E-02	G2	7.1265016E-03	G4	6.7820105E-03			
(5S+,5S+)	F0	1.1084991E+00									

TABLE 1.– CONTINUED

POLONIUM 6P4 Z=84

(5S+,5P-)	F0	1.0756437E+00	G1	7.4422654E-01		
(5S+,5P+)	F0	1.0166638E+00	G1	6.5847200E-01		
(5S+,5D-)	F0	8.9743060E-01	G2	3.7457547E-01		
(5S+,5D+)	F0	8.7552318E-01	G2	3.4555042E-01		
(5S+,6S+)	F0	5.4809465E-01	G0	2.3636119E-02		
(5S+,6P-)	F0	4.5307569E-01	G1	2.2722016E-02		
(5S+,6P+)	F0	3.8884754E-01	G1	2.1086122E-02		
(5P-,5P-)	F0	1.0459803E+00				
(5P-,5P+)	F0	9.9239600E-01	G2	5.1526546E-01		
(5P-,5D-)	F0	8.8120235E-01	G1	5.1524212E-01		
(5P-,5D+)	F0	8.6062065E-01	G3	3.0076418E-01		
(5P-,6S+)	F0	5.4463663E-01	G1	3.4681226E-02		
(5P-,6P-)	F0	4.5095851E-01	G0	1.6506755E-02		
(5P-,6P+)	F0	3.8736265E-01	G2	1.7743003E-02		
(5P+,5P+)	F0	9.4835808E-01	F2	5.1086691E-01		
(5P+,5D-)	F0	8.5139933E-01	F2	4.4023803E-01	G1	5.5168382E-01	G3	3.4422435E-01
(5P+,5D+)	F0	8.3321599E-01	F2	4.2580256E-01	G1	5.2622400E-01	G3	3.2812116E-01
(5P+,6S+)	F0	5.3829778E-01	G1	4.5058852E-02		
(5P+,6P-)	F0	4.4709390E-01	G2	2.4374290E-02		
(5P+,6P+)	F0	3.8467523E-01	F2	8.0396449E-02	G0	1.2770150E-02	G2	1.7146252E-02
(5D-,5D-)	F0	7.8033459E-01	F2	4.0871262E-01		
(5D-,5D+)	F0	7.6664137E-01	F2	4.0098185E-01	G2	4.0020138E-01	G4	2.6826135E-01
(5D-,6S+)	F0	5.2221637E-01	G2	9.6796495E-02		
(5D-,6P-)	F0	4.3769376E-01	G1	5.8037865E-02		
(5D-,6P+)	F0	3.7837874E-01	F2	1.0089646E-01	G1	3.1158410E-02	G3	2.7765389E-02
(5D+,5D+)	F0	7.5374943E-01	F2	3.9447133E-01	F4	2.6421639E-01		
(5D+,6S+)	F0	5.1685878E-01	G2	1.0678001E-01		
(5D+,6P-)	F0	4.3573164E-01	G3	5.2570711E-02		
(5D+,6P+)	F0	3.7708631E-01	F2	1.0478486E-01	G1	3.5653807E-02	G3	3.0746611E-02
(6S+,6S+)	F0	4.3619525E-01				
(6S+,6P-)	F0	3.8587265E-01	G1	2.5098361E-01		
(6S+,6P+)	F0	3.4480622E-01	G1	1.8831854E-01		
(6P-,6P-)	F0	3.5043756E-01				
(6P-,6P+)	F0	3.1944298E-01	G2	1.6064462E-01		
(6P+,6P+)	F0	2.9589595E-01	F2	1.5444339E-01		

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(1S+,1S+)	F0	6.2490740E+01		
(1S+,2S+)	F0	2.0863236E+01	G0	2.6188740E+00
(1S+,2P-)	F0	2.4746243E+01	G1	4.0328041E+00
(1S+,2P+)	F0	2.0322289E+01	G1	3.3228011E+00
(1S+,3S+)	F0	8.4441380E+00	G0	5.3549346E-01
(1S+,3P-)	F0	9.2177100E+00	G1	8.0821057E-01
(1S+,3P+)	F0	8.0235680E+00	G1	7.4233716E-01
(1S+,3D-)	F0	8.0442328E+00	G2	2.9940835E-02
(1S+,3D+)	F0	7.7147413E+00	G2	3.3544991E-02
(1S+,4S+)	F0	3.8179516E+00	G0	1.3677824E-01
(1S+,4P-)	F0	3.9376311E+00	G1	1.9881556E-01
(1S+,4P+)	F0	3.4922001E+00	G1	1.8341086E-01
(1S+,4D-)	F0	3.3324359E+00	G2	8.0966293E-03
(1S+,4D+)	F0	3.2160699E+00	G2	9.0816025E-03

TABLE 1.– CONTINUED

ASTATINE 6P5 Z=85

(1S+,4F-)	F0	2.9050193E+00	G3	3.2157776E-05
(1S+,4F+)	F0	2.6608182E+00	G3	3.9796070E-05
(1S+,5S+)	F0	1.6944933E+00	G0	3.1074222E-02
(1S+,5P-)	F0	1.6310331E+00	G1	4.1145213E-02
(1S+,5P+)	F0	1.4529513E+00	G1	3.7043296E-02
(1S+,5D-)	F0	1.1953110E+00	G2	1.2189320E-03
(1S+,5D+)	F0	1.1507445E+00	G2	1.3408299E-03
(1S+,6S+)	F0	6.5265811E-01	G0	4.5829157E-03
(1S+,6P-)	F0	5.3801941E-01	G1	4.3396831E-03
(1S+,6P+)	F0	4.5359353E-01	G1	3.2960048E-03
(2S+,2S+)	F0	1.4276749E+01		
(2S+,2P-)	F0	1.5532088E+01	G1	7.8580076E+00
(2S+,2P+)	F0	1.4445686E+01	G1	8.2040696E+00
(2S+,3S+)	F0	7.0944235E+00	G0	6.5094308E-01
(2S+,3P-)	F0	7.5264083E+00	G1	6.1067397E-01
(2S+,3P+)	F0	6.8768724E+00	G1	5.2601906E-01
(2S+,3D-)	F0	7.7110264E+00	G2	1.7287370E+00
(2S+,3D+)	F0	7.4537744E+00	G2	1.6276185E+00
(2S+,4S+)	F0	3.4704214E+00	G0	1.4213758E-01
(2S+,4P-)	F0	3.5240909E+00	G1	1.3535340E-01
(2S+,4P+)	F0	3.2140732E+00	G1	1.1234614E-01
(2S+,4D-)	F0	3.2499397E+00	G2	3.4193832E-01
(2S+,4D+)	F0	3.1516586E+00	G2	3.2600118E-01
(2S+,4F-)	F0	2.9030865E+00	G3	2.2693634E-02
(2S+,4F+)	F0	2.8592180E+00	G3	2.1874745E-02
(2S+,5S+)	F0	1.6153635E+00	G0	3.1178327E-02
(2S+,5P-)	F0	1.5455343E+00	G1	2.7394300E-02
(2S+,5P+)	F0	1.3969909E+00	G1	2.2017163E-02
(2S+,5D-)	F0	1.1830875E+00	G2	4.8633897E-02
(2S+,5D+)	F0	1.1413916E+00	G2	4.5578432E-02
(2S+,6S+)	F0	6.4096239E-01	G0	4.5660695E-03
(2S+,6P-)	F0	5.2900309E-01	G1	2.8781092E-03
(2S+,6P+)	F0	4.4861742E-01	G1	1.9493561E-03
(2P-,2P-)	F0	1.7643595E+01		
(2P-,2P+)	F0	1.6042660E+01	G2	6.7899579E+00
(2P-,3S+)	F0	7.3230135E+00	G1	7.1100519E-01
(2P-,3P-)	F0	7.8613978E+00	G0	8.8056771E-01
(2P-,3P+)	F0	7.1564147E+00	G2	7.3315361E-01
(2P-,3D-)	F0	7.8368927E+00	G1	1.7273236E+00
(2P-,3D+)	F0	7.5558085E+00	G3	8.7090119E-01
(2P-,4S+)	F0	3.5282413E+00	G1	1.6238459E-01
(2P-,4P-)	F0	3.6041366E+00	G0	1.8578778E-01
(2P-,4P+)	F0	3.2806179E+00	G2	1.6304751E-01
(2P-,4D-)	F0	3.2803904E+00	G1	3.5673519E-01
(2P-,4D+)	F0	3.1763526E+00	G3	1.8441137E-01
(2P-,4F-)	F0	2.9039538E+00	G2	1.7100847E-02
(2P-,4F+)	F0	2.8599443E+00	G4	1.0194471E-02
(2P-,5S+)	F0	1.6284750E+00	G1	3.5961805E-02
(2P-,5P-)	F0	1.5620000E+00	G0	3.7201684E-02
(2P-,5P+)	F0	1.4103256E+00	G2	3.2196242E-02
(2P-,5D-)	F0	1.1875798E+00	G1	5.1159518E-02
(2P-,5D+)	F0	1.1449642E+00	G3	2.6054864E-02
(2P-,6S+)	F0	6.4291542E-01	G1	5.2765896E-03
(2P-,6P-)	F0	5.3073794E-01	G0	3.9011673E-03
(2P-,6P+)	F0	4.4980237E-01	G2	2.8540589E-03

TABLE 1.– CONTINUED

ASTATINE 6P5 Z=85

(2P+,2P+)	F0	1.4872206E+01	F2	7.0540715E+00			
(2P+,3S+)	F0	7.1196682E+00	G1	6.9664097E-01			
(2P+,3P-)	F0	7.5953990E+00	G2	7.8633869E-01			
(2P+,3P+)	F0	6.9496801E+00	F2	1.7371122E+00	G0	6.9847578E-01	G2 7.5649220E-01
(2P+,3D-)	F0	7.7350248E+00	F2	2.3905259E+00	G1	2.1108217E+00	G3 1.2142420E+00
(2P+,3D+)	F0	7.4718573E+00	F2	2.2144492E+00	G1	2.0512950E+00	G3 1.1808627E+00
(2P+,4S+)	F0	3.4765252E+00	G1	1.5517158E-01			
(2P+,4P-)	F0	3.5399718E+00	G2	1.7261845E-01			
(2P+,4P+)	F0	3.2311720E+00	F2	4.1375736E-01	G0	1.4355615E-01	G2 1.6728080E-01
(2P+,4D-)	F0	3.2564214E+00	F2	4.8093458E-01	G1	4.0400891E-01	G3 2.3985394E-01
(2P+,4D+)	F0	3.1566024E+00	F2	4.4582009E-01	G1	4.0010903E-01	G3 2.3711693E-01
(2P+,4F-)	F0	2.9030625E+00	F2	2.0067262E-01	G2	2.7906051E-02	G4 1.8014503E-02
(2P+,4F+)	F0	2.8591830E+00	F2	1.9100177E-01	G2	2.7408971E-02	G4 1.7689916E-02
(2P+,5S+)	F0	1.6167324E+00	G1	3.4186430E-02			
(2P+,5P-)	F0	1.5487728E+00	G2	3.4867851E-02			
(2P+,5P+)	F0	1.4004065E+00	F2	8.3167474E-02	G0	2.7884866E-02	G2 3.2990798E-02
(2P+,5D-)	F0	1.1840598E+00	F2	6.9268298E-02	G1	5.7197220E-02	G3 3.4157704E-02
(2P+,5D+)	F0	1.1421201E+00	F2	6.3015001E-02	G1	5.5743259E-02	G3 3.3212574E-02
(2P+,6S+)	F0	6.4118376E-01	G1	5.0109494E-03			
(2P+,6P-)	F0	5.2934378E-01	G2	3.6620416E-03			
(2P+,6P+)	F0	4.4892077E-01	F2	7.5030404E-03	G0	2.4651895E-03	G2 2.9238841E-03
(3S+,3S+)	F0	5.4325861E+00					
(3S+,3P-)	F0	5.5872345E+00	G1	3.4742476E+00			
(3S+,3P+)	F0	5.3099582E+00	G1	3.4400752E+00			
(3S+,3D-)	F0	5.6569528E+00	G2	2.2849927E+00			
(3S+,3D+)	F0	5.5769592E+00	G2	2.3202802E+00			
(3S+,4S+)	F0	3.0877147E+00	G0	2.2789567E-01			
(3S+,4P-)	F0	3.1028544E+00	G1	2.3584399E-01			
(3S+,4P+)	F0	2.8675899E+00	G1	2.4681461E-01			
(3S+,4D-)	F0	2.8792663E+00	G2	1.6747859E-01			
(3S+,4D+)	F0	2.8112771E+00	G2	1.5778666E-01			
(3S+,4F-)	F0	2.8255166E+00	G3	4.5718574E-01			
(3S+,4F+)	F0	2.7879390E+00	G3	4.4140844E-01			
(3S+,5S+)	F0	1.5297480E+00	G0	4.2553966E-02			
(3S+,5P-)	F0	1.4599107E+00	G1	4.1769240E-02			
(3S+,5P+)	F0	1.3282621E+00	G1	4.2413537E-02			
(3S+,5D-)	F0	1.1305975E+00	G2	2.3227948E-02			
(3S+,5D+)	F0	1.0941035E+00	G2	2.1151840E-02			
(3S+,6S+)	F0	6.2839216E-01	G0	6.0516019E-03			
(3S+,6P-)	F0	5.1999894E-01	G1	4.2941907E-03			
(3S+,6P+)	F0	4.4251966E-01	G1	3.6800734E-03			
(3P-,3P-)	F0	5.7811895E+00					
(3P-,3P+)	F0	5.4629698E+00	G2	2.5845177E+00			
(3P-,3D-)	F0	5.8528182E+00	G1	3.2266706E+00			
(3P-,3D+)	F0	5.7611193E+00	G3	2.0695113E+00			
(3P-,4S+)	F0	3.1204018E+00	G1	2.8562276E-01			
(3P-,4P-)	F0	3.1414736E+00	G0	2.5537055E-01			
(3P-,4P+)	F0	2.8993397E+00	G2	2.6446952E-01			
(3P-,4D-)	F0	2.9097056E+00	G1	1.7195703E-01			
(3P-,4D+)	F0	2.8401716E+00	G3	1.7496114E-01			
(3P-,4F-)	F0	2.8365625E+00	G2	5.1858883E-01			
(3P-,4F+)	F0	2.7981870E+00	G4	3.2719107E-01			
(3P-,5S+)	F0	1.5369759E+00	G1	5.5243551E-02			
(3P-,5P-)	F0	1.4676720E+00	G0	4.4247082E-02			
(3P-,5P+)	F0	1.3345054E+00	G2	4.7325138E-02			

TABLE 1.– CONTINUED

ASTATINE 6P5 Z=85

(3P-,5D-)	F0	1.1348318E+00	G1	2.2430015E-02							
(3P-,5D+)	F0	1.0980450E+00	G3	2.2920783E-02							
(3P-,6S+)	F0	6.2945276E-01	G1	7.9046073E-03							
(3P-,6P-)	F0	5.2081361E-01	G0	4.5339642E-03							
(3P-,6P+)	F0	4.4307283E-01	G2	4.1316090E-03							
(3P+,3P+)	F0	5.2047114E+00	F2	2.5845491E+00							
(3P+,3D-)	F0	5.5179407E+00	F2	2.5883669E+00	G1	2.7188201E+00	G3	1.8047432E+00			
(3P+,3D+)	F0	5.4424170E+00	F2	2.5971545E+00	G1	2.7856573E+00	G3	1.8490527E+00			
(3P+,4S+)	F0	3.0643810E+00	G1	2.8787537E-01							
(3P+,4P-)	F0	3.0810278E+00	G2	2.8995819E-01							
(3P+,4P+)	F0	2.8493720E+00	F2	8.2119403E-01	G0	2.1995125E-01	G2	2.5599962E-01			
(3P+,4D-)	F0	2.8593296E+00	F2	8.1072103E-01	G1	1.9189262E-01	G3	1.9417278E-01			
(3P+,4D+)	F0	2.7921083E+00	F2	7.7486185E-01	G1	1.7333407E-01	G3	1.8186960E-01			
(3P+,4F-)	F0	2.8104309E+00	F2	9.4292662E-01	G2	6.2739644E-01	G4	4.1647017E-01			
(3P+,4F+)	F0	2.7736978E+00	F2	9.1645314E-01	G2	6.0961579E-01	G4	4.0494002E-01			
(3P+,5S+)	F0	1.5246561E+00	G1	5.3854060E-02							
(3P+,5P-)	F0	1.4555782E+00	G2	5.1516684E-02							
(3P+,5P+)	F0	1.3247447E+00	F2	1.7197839E-01	G0	3.7320261E-02	G2	4.5453386E-02			
(3P+,5D-)	F0	1.1278141E+00	F2	1.2315968E-01	G1	2.6098968E-02	G3	2.6507456E-02			
(3P+,5D+)	F0	1.0914833E+00	F2	1.1527119E-01	G1	2.3031202E-02	G3	2.4310290E-02			
(3P+,6S+)	F0	6.2764675E-01	G1	7.6652844E-03							
(3P+,6P-)	F0	5.1954506E-01	G2	5.3003868E-03							
(3P+,6P+)	F0	4.4220886E-01	F2	1.6213113E-02	G0	3.2327902E-03	G2	3.9634903E-03			
(3D-,3D-)	F0	6.0480181E+00	F2	3.0569083E+00							
(3D-,3D+)	F0	5.9452549E+00	F2	3.0183020E+00	G2	2.9453458E+00	G4	1.8954412E+00			
(3D-,4S+)	F0	3.1339993E+00	G2	2.6854548E-01							
(3D-,4P-)	F0	3.1533345E+00	G1	2.7612858E-01							
(3D-,4P+)	F0	2.9102078E+00	F2	7.3968821E-01	G1	2.3382881E-01	G3	2.3046218E-01			
(3D-,4D-)	F0	2.9407341E+00	F2	7.7291105E-01	G0	2.4667639E-01	G2	3.0219995E-01			
(3D-,4D+)	F0	2.8704274E+00	F2	7.4225017E-01	G2	2.8547379E-01	G4	2.2197248E-01			
(3D-,4F-)	F0	2.8430115E+00	F2	7.8921861E-01	G1	6.3819831E-01	G3	3.7588153E-01			
(3D-,4F+)	F0	2.8040113E+00	F2	7.6407850E-01	G3	3.5662201E-01	G5	2.4706255E-01			
(3D-,5S+)	F0	1.5399289E+00	G2	5.2446205E-02							
(3D-,5P-)	F0	1.4699727E+00	G1	4.8217821E-02							
(3D-,5P+)	F0	1.3366057E+00	F2	1.5308164E-01	G1	4.0821097E-02	G3	4.1923280E-02			
(3D-,5D-)	F0	1.1391137E+00	F2	1.1516757E-01	G0	3.0498765E-02	G2	3.9739824E-02			
(3D-,5D+)	F0	1.1021587E+00	F2	1.0833554E-01	G2	3.6844464E-02	G4	2.9287240E-02			
(3D-,6S+)	F0	6.2988446E-01	G2	7.5235345E-03							
(3D-,6P-)	F0	5.2105362E-01	G1	4.9487361E-03							
(3D-,6P+)	F0	4.4325839E-01	F2	1.4298621E-02	G1	3.5506512E-03	G3	3.6694850E-03			
(3D+,3D+)	F0	5.8491893E+00	F2	2.9873872E+00	F4	1.9234786E+00					
(3D+,4S+)	F0	3.1168629E+00	G2	2.7461830E-01							
(3D+,4P-)	F0	3.1348115E+00	G3	2.7863125E-01							
(3D+,4P+)	F0	2.8947111E+00	F2	7.5773523E-01	G1	2.3520109E-01	G3	2.3596612E-01			
(3D+,4D-)	F0	2.9236805E+00	F2	7.8703001E-01	G2	2.9186158E-01	G4	2.3050324E-01			
(3D+,4D+)	F0	2.8544625E+00	F2	7.5579197E-01	F4	3.6546355E-01	G0	2.3358479E-01	G2	2.9176593E-01	G4 2.2861776E-01
(3D+,4F-)	F0	2.8366823E+00	F2	8.2027667E-01	F4	4.1976927E-01	G1	6.6525812E-01	G3	3.9282500E-01	G5 2.7216942E-01
(3D+,4F+)	F0	2.7981037E+00	F2	7.9471451E-01	F4	4.0328081E-01	G1	6.5020782E-01	G3	3.8399900E-01	G5 2.6607109E-01
(3D+,5S+)	F0	1.5361374E+00	G2	5.3065257E-02							
(3D+,5P-)	F0	1.4662454E+00	G3	5.0599902E-02							
(3D+,5P+)	F0	1.3335588E+00	F2	1.5719260E-01	G1	4.0823983E-02	G3	4.2740260E-02			
(3D+,5D-)	F0	1.1367176E+00	F2	1.1762685E-01	G2	3.8226206E-02	G4	3.0912080E-02			
(3D+,5D+)	F0	1.0999588E+00	F2	1.1063881E-01	F4	4.7475263E-02	G0	2.8293090E-02	G2	3.7590972E-02	G4 3.0126442E-02
(3D+,6S+)	F0	6.2932802E-01	G2	7.6002171E-03							
(3D+,6P-)	F0	5.2066229E-01	G3	5.2259848E-03							

TABLE 1.– CONTINUED

ASTATINE 6P5 Z=85

(3D+,6P+)	F0 4.4298843E-01	F2 1.4710981E-02	G1 3.5480668E-03	G3 3.7387102E-03
(4S+,4S+)	F0 2.4673335E+00			
(4S+,4P-)	F0 2.4679559E+00	G1 1.6565509E+00		
(4S+,4P+)	F0 2.3495338E+00	G1 1.5569332E+00		
(4S+,4D-)	F0 2.3470982E+00	G2 1.1605008E+00		
(4S+,4D+)	F0 2.3114350E+00	G2 1.1382897E+00		
(4S+,4F-)	F0 2.3103549E+00	G3 8.2360071E-01		
(4S+,4F+)	F0 2.2929296E+00	G3 8.2036084E-01		
(4S+,5S+)	F0 1.4057131E+00	G0 8.4501452E-02		
(4S+,5P-)	F0 1.3441742E+00	G1 9.4329355E-02		
(4S+,5P+)	F0 1.2337010E+00	G1 1.0197850E-01		
(4S+,5D-)	F0 1.0606328E+00	G2 6.4299056E-02		
(4S+,5D+)	F0 1.0292440E+00	G2 6.5411260E-02		
(4S+,6S+)	F0 6.1041186E-01	G0 1.0496612E-02		
(4S+,6P-)	F0 5.0797608E-01	G1 8.7865439E-03		
(4S+,6P+)	F0 4.3420987E-01	G1 8.0905067E-03		
(4P-,4P-)	F0 2.4700463E+00			
(4P-,4P+)	F0 2.3500004E+00	G2 1.1754439E+00		
(4P-,4D-)	F0 2.3478788E+00	G1 1.5149616E+00		
(4P-,4D+)	F0 2.3118574E+00	G3 9.2466016E-01		
(4P-,4F-)	F0 2.3097298E+00	G2 1.0064694E+00		
(4P-,4F+)	F0 2.2921971E+00	G4 7.0182013E-01		
(4P-,5S+)	F0 1.4061218E+00	G1 1.1291028E-01		
(4P-,5P-)	F0 1.3448614E+00	G0 8.1957036E-02		
(4P-,5P+)	F0 1.2341398E+00	G2 9.5766569E-02		
(4P-,5D-)	F0 1.0609876E+00	G1 7.2721507E-02		
(4P-,5D+)	F0 1.0295434E+00	G3 6.0611718E-02		
(4P-,6S+)	F0 6.1047513E-01	G1 1.4332574E-02		
(4P-,6P-)	F0 5.0804947E-01	G0 7.4705079E-03		
(4P-,6P+)	F0 4.3425039E-01	G2 7.7665663E-03		
(4P+,4P+)	F0 2.2506091E+00	F2 1.1726841E+00		
(4P+,4D-)	F0 2.2458132E+00	F2 1.1481878E+00	G1 1.4288957E+00	G3 9.0620363E-01
(4P+,4D+)	F0 2.2153546E+00	F2 1.1354475E+00	G1 1.4270542E+00	G3 9.0234613E-01
(4P+,4F-)	F0 2.2071562E+00	F2 1.1037348E+00	G2 9.2354184E-01	G4 6.5670116E-01
(4P+,4F+)	F0 2.1921299E+00	F2 1.0993432E+00	G2 9.2550817E-01	G4 6.5750076E-01
(4P+,5S+)	F0 1.3654138E+00	G1 1.2325292E-01		
(4P+,5P-)	F0 1.3258760E+00	G2 1.0933856E-01		
(4P+,5P+)	F0 1.2184798E+00	F2 3.5251732E-01	G0 7.1915879E-02	G2 9.2103862E-02
(4P+,5D-)	F0 1.0495125E+00	F2 2.5389397E-01	G1 5.0119700E-02	G3 5.4743297E-02
(4P+,5D+)	F0 1.0187837E+00	F2 2.3874327E-01	G1 5.7374747E-02	G3 5.3794889E-02
(4P+,6S+)	F0 6.0752132E-01	G1 1.4889920E-02		
(4P+,6P-)	F0 5.0610351E-01	G2 1.0148698E-02		
(4P+,6P+)	F0 4.3289158E-01	F2 3.6906190E-02	G0 5.5649775E-03	G2 7.4192751E-03
(4D-,4D-)	F0 2.2461735E+00	F2 1.1388105E+00		
(4D-,4D+)	F0 2.2149790E+00	F2 1.1239152E+00	G2 1.1178657E+00	G4 7.5251814E-01
(4D-,4F-)	F0 2.2062324E+00	F2 1.0920812E+00	G1 1.2295061E+00	G3 8.0395944E-01
(4D-,4F+)	F0 2.1909505E+00	F2 1.0873466E+00	G3 7.9953644E-01	G5 5.7420111E-01
(4D-,5S+)	F0 1.3845953E+00	G2 1.4476468E-01		
(4D-,5P-)	F0 1.3252857E+00	G1 1.2299570E-01		
(4D-,5P+)	F0 1.2180022E+00	F2 3.5393808E-01	G1 9.4093131E-02	G3 9.4706087E-02
(4D-,5D-)	F0 1.0499570E+00	F2 2.5749450E-01	G0 5.8926477E-02	G2 7.1196800E-02
(4D-,5D+)	F0 1.0191829E+00	F2 2.4201373E-01	G2 6.7933125E-02	G4 5.6655967E-02
(4D-,6S+)	F0 6.0742411E-01	G2 1.6990006E-02		
(4D-,6P-)	F0 5.0605030E-01	G1 1.0504215E-02		
(4D-,6P+)	F0 4.3285328E-01	F2 3.7196032E-02	G1 7.3291453E-03	G3 7.5892217E-03

TABLE 1.—CONTINUED

ASTATINE 6P5 Z=85

(4D+,4D+)	F0	2.1853970E+00	F2	1.1115468E+00	F4	7.4798045E-01							
(4D+,4F-)	F0	2.1754502E+00	F2	1.0741454E+00	F4	6.9354643E-01	G1	1.1911118E+00	G3	7.8202242E-01	G5	5.6273962E-01	
(4D+,4F+)	F0	2.1608678E+00	F2	1.0702549E+00	F4	6.9204813E-01	G1	1.1956691E+00	G3	7.8436764E-01	G5	5.6426832E-01	
(4D+,5S+)	F0	1.3780968E+00	G2	1.5394825E-01									
(4D+,5P-)	F0	1.3193807E+00	G3	1.2751678E-01									
(4D+,5P+)	F0	1.2131649E+00	F2	3.6229057E-01	G1	9.7498651E-02	G3	9.7944192E-02					
(4D+,5D-)	F0	1.0464457E+00	F2	2.6371855E-01	G2	7.0977613E-02	G4	6.0247474E-02					
(4D+,5D+)	F0	1.0159032E+00	F2	2.4785175E-01	F4	1.1283448E-01	G0	5.5982835E-02	G2	6.8095149E-02	G4	5.7278173E-02	
(4D+,6S+)	F0	6.0650467E-01	G2	1.7633151E-02									
(4D+,6P-)	F0	5.0544817E-01	G3	1.1399023E-02									
(4D+,6P+)	F0	4.3243440E-01	F2	3.8288910E-02	G1	7.4512315E-03	G3	7.7811905E-03					
(4F-,4F-)	F0	2.1931574E+00	F2	1.1107366E+00	F4	7.1234911E-01							
(4F-,4F+)	F0	2.1776412E+00	F2	1.1035697E+00	F4	7.0788514E-01	G2	1.0960557E+00	G4	7.0328583E-01	G6	5.1068776E-01	
(4F-,5S+)	F0	1.3742677E+00	G3	1.6647129E-01									
(4F-,5P-)	F0	1.3159494E+00	G2	1.5796987E-01									
(4F-,5P+)	F0	1.2106691E+00	F2	3.6237058E-01	G2	1.1646772E-01	G4	1.0442466E-01					
(4F-,5D-)	F0	1.0449211E+00	F2	2.6589103E-01	G1	7.9231414E-02	G3	7.9899937E-02					
(4F-,5D+)	F0	1.0145146E+00	F2	2.4990752E-01	F4	1.1786181E-01	G1	7.2192926E-02	G3	7.3351904E-02	G5	6.0373932E-02	
(4F-,6S+)	F0	6.0607815E-01	G3	1.7637814E-02									
(4F-,6P-)	F0	5.0515473E-01	G2	1.2009385E-02									
(4F-,6P+)	F0	4.3224091E-01	F2	3.8775829E-02	G2	8.1633184E-03	G4	7.8114664E-03					
(4F+,4F+)	F0	2.1624957E+00	F2	1.0968409E+00	F4	7.0375718E-01	F6	5.1101886E-01					
(4F+,5S+)	F0	1.3707279E+00	G3	1.7085258E-01									
(4F+,5P-)	F0	1.3127543E+00	G4	1.4013762E-01									
(4F+,5P+)	F0	1.2080837E+00	F2	3.6655046E-01	G2	1.1975454E-01	G4	1.0697647E-01					
(4F+,5D-)	F0	1.0430777E+00	F2	2.6923512E-01	G3	8.1280853E-02	G5	6.6667140E-02					
(4F+,5D+)	F0	1.0127968E+00	F2	2.5307960E-01	F4	1.1990872E-01	G1	7.4004422E-02	G3	7.5009323E-02	G5	6.1695209E-02	
(4F+,6S+)	F0	6.0558886E-01	G3	1.7899077E-02									
(4F+,6P-)	F0	5.0483533E-01	G4	1.1570696E-02									
(4F+,6P+)	F0	4.3201979E-01	F2	3.9362531E-02	G2	8.3331388E-03	G4	7.9430483E-03					
(5S+,5S+)	F0	1.1372836E+00											
(5S+,5P-)	F0	1.1054178E+00	G1	7.6502941E-01									
(5S+,5P+)	F0	1.0444868E+00	G1	6.7600345E-01									
(5S+,5D-)	F0	9.3226927E-01	G2	3.9532441E-01									
(5S+,5D+)	F0	9.1038135E-01	G2	3.6554113E-01									
(5S+,6S+)	F0	5.7579172E-01	G0	2.5746429E-02									
(5S+,6P-)	F0	4.8551964E-01	G1	2.5837057E-02									
(5S+,6P+)	F0	4.1872376E-01	G1	2.4376469E-02									
(5P-,5P-)	F0	1.0765077E+00											
(5P-,5P+)	F0	1.0208888E+00	G2	5.2916248E-01									
(5P-,5D-)	F0	9.1596507E-01	G1	5.4065609E-01									
(5P-,5D+)	F0	8.9537305E-01	G3	3.1676233E-01									
(5P-,6S+)	F0	5.7219210E-01	G1	3.7540823E-02									
(5P-,6P-)	F0	4.8319454E-01	G0	1.8829230E-02									
(5P-,6P+)	F0	4.1707141E-01	G2	2.0604373E-02									
(5P+,5P+)	F0	9.7531851E-01	F2	5.2560943E-01									
(5P+,5D-)	F0	8.8414453E-01	F2	4.5958153E-01	G1	5.7743834E-01	G3	3.6108310E-01					
(5P+,5D+)	F0	8.6605112E-01	F2	4.4535494E-01	G1	5.5227877E-01	G3	3.4511343E-01					
(5P+,6S+)	F0	5.6517389E-01	G1	4.8566805E-02									
(5P+,6P-)	F0	4.7867504E-01	G2	2.7900746E-02									
(5P+,6P+)	F0	4.1388781E-01	F2	9.1403053E-02	G0	1.4730832E-02	G2	1.9864236E-02					
(5D-,5D-)	F0	8.1581573E-01	F2	4.2864296E-01									
(5D-,5D+)	F0	8.0194995E-01	F2	4.2085557E-01	G2	4.1999077E-01	G4	2.8242984E-01					
(5D-,6S+)	F0	5.4932929E-01	G2	9.9178093E-02									
(5D-,6P-)	F0	4.6886798E-01	G1	6.1580541E-02									

TABLE 1.– CONTINUED

ASTATINE 6P5 Z=85

(5D-,6P+)	F0	4.0720902E-01	F2	1.1188890E-01	G1	3.3369260E-02	G3 3.0398391E-02
(5D+,5D+)	F0	7.8888905E-01	F2	4.1432323E-01	F4	2.7842876E-01	
(5D+,6S+)	F0	5.4589196E-01	G2	1.0943359E-01			
(5D+,6P-)	F0	4.6674309E-01	G3	5.6695230E-02			
(5D+,6P+)	F0	4.0578372E-01	F2	1.1597195E-01	G1	3.7920273E-02	G3 3.3472169E-02
(6S+,6S+)	F0	4.5976436E-01					
(6S+,6P-)	F0	4.1219994E-01	G1	2.7127666E-01			
(6S+,6P+)	F0	3.6997213E-01	G1	2.0553519E-01			
(6P-,6P-)	F0	3.7770038E-01					
(6P-,6P+)	F0	3.4513599E-01	G2	1.7450953E-01			
(6P+,6P+)	F0	3.2033059E-01	F2	1.6845192E-01			

RADON 6P6 Z=86

(1S+,1S+)	F0	6.3549191E+01		
(1S+,2S+)	F0	2.1248938E+01	G0	2.6857290E+00
(1S+,2P-)	F0	2.5230839E+01	G1	4.0905506E+00
(1S+,2P+)	F0	2.0598295E+01	G1	3.3522060E+00
(1S+,3S+)	F0	8.6005706E+00	G0	5.5027432E-01
(1S+,3P-)	F0	9.3970688E+00	G1	8.2139576E-01
(1S+,3P+)	F0	8.1458447E+00	G1	7.5280299E-01
(1S+,3D-)	F0	8.1685896E+00	G2	3.0083856E-02
(1S+,3D+)	F0	7.8256428E+00	G2	3.3856215E-02
(1S+,4S+)	F0	3.8945561E+00	G0	1.4124618E-01
(1S+,4P-)	F0	4.0216151E+00	G1	2.0322966E-01
(1S+,4P+)	F0	3.5554859E+00	G1	1.8729928E-01
(1S+,4D-)	F0	3.3982109E+00	G2	8.2231454E-03
(1S+,4D+)	F0	3.2771206E+00	G2	9.2697179E-03
(1S+,4F-)	F0	2.9741210E+00	G3	3.3259144E-05
(1S+,4F+)	F0	2.9282236E+00	G3	4.1480436E-05
(1S+,5S+)	F0	1.7413056E+00	G0	3.2697530E-02
(1S+,5P-)	F0	1.6820120E+00	G1	4.3082380E-02
(1S+,5P+)	F0	1.4960883E+00	G1	3.8867822E-02
(1S+,5D-)	F0	1.2476887E+00	G2	1.3096501E-03
(1S+,5D+)	F0	1.2017860E+00	G2	1.4520714E-03
(1S+,6S+)	F0	6.8704305E-01	G0	5.1391865E-03
(1S+,6P-)	F0	5.7585707E-01	G1	5.0146842E-03
(1S+,6P+)	F0	4.8608085E-01	G1	3.8432751E-03
(2S+,2S+)	F0	1.4523235E+01		
(2S+,2P-)	F0	1.5808127E+01	G1	7.9725338E+00
(2S+,2P+)	F0	1.4667154E+01	G1	8.3312378E+00
(2S+,3S+)	F0	7.2181138E+00	G0	6.6567238E-01
(2S+,3P-)	F0	7.6618949E+00	G1	6.2264634E-01
(2S+,3P+)	F0	6.9823673E+00	G1	5.3568972E-01
(2S+,3D-)	F0	7.8307487E+00	G2	1.7481132E+00
(2S+,3D+)	F0	7.5627720E+00	G2	1.6435548E+00
(2S+,4S+)	F0	3.5367581E+00	G0	1.4607504E-01
(2S+,4P-)	F0	3.5947810E+00	G1	1.3880740E-01
(2S+,4P+)	F0	3.2713417E+00	G1	1.1501381E-01
(2S+,4D-)	F0	3.3136608E+00	G2	3.4939073E-01
(2S+,4D+)	F0	3.2115101E+00	G2	3.3289213E-01
(2S+,4F-)	F0	2.9721112E+00	G3	2.3496402E-02

TABLE 1.– CONTINUED

RADON 6P6 Z=86

(2S+,4F+)	F0	2.9265672E+00	G3	2.2647019E-02				
(2S+,5S+)	F0	1.6582871E+00	G0	3.2639704E-02				
(2S+,5P-)	F0	1.5916122E+00	G1	2.8770244E-02				
(2S+,5P+)	F0	1.4373506E+00	G1	2.3142371E-02				
(2S+,5D-)	F0	1.2344395E+00	G2	5.2508745E-02				
(2S+,5D+)	F0	1.1916815E+00	G2	4.9324102E-02				
(2S+,6S+)	F0	6.7398825E-01	G0	5.0927771E-03				
(2S+,6P-)	F0	5.6533640E-01	G1	3.3350846E-03				
(2S+,6P+)	F0	4.8027667E-01	G1	2.2762397E-03				
(2P-,2P-)	F0	1.7972105E+01						
(2P-,2P+)	F0	1.6289546E+01	G2	6.8678640E+00				
(2P-,3S+)	F0	7.4528887E+00	G1	7.2397148E-01				
(2P-,3P-)	F0	8.0062067E+00	G0	9.0197526E-01				
(2P-,3P+)	F0	7.2680353E+00	G2	7.4524932E-01				
(2P-,3D-)	F0	7.9588764E+00	G1	1.7450103E+00				
(2P-,3D+)	F0	7.6660424E+00	G3	8.7667844E-01				
(2P-,4S+)	F0	3.5964502E+00	G1	1.6615211E-01				
(2P-,4P-)	F0	3.6775418E+00	G0	1.9139815E-01				
(2P-,4P+)	F0	3.3398129E+00	G2	1.6679060E-01				
(2P-,4D-)	F0	3.3449931E+00	G1	3.6429129E-01				
(2P-,4D+)	F0	3.2367851E+00	G3	1.8772628E-01				
(2P-,4F-)	F0	2.9730166E+00	G2	1.7671733E-02				
(2P-,4F+)	F0	2.9273222E+00	G4	1.0520434E-02				
(2P-,5S+)	F0	1.6720804E+00	G1	3.7484700E-02				
(2P-,5P-)	F0	1.6090502E+00	G0	3.9243569E-02				
(2P-,5P+)	F0	1.4514465E+00	G2	3.3826065E-02				
(2P-,5D-)	F0	1.2393276E+00	G1	5.5215211E-02				
(2P-,5D+)	F0	1.1955595E+00	G3	2.8114977E-02				
(2P-,6S+)	F0	6.7615542E-01	G1	5.8602269E-03				
(2P-,6P-)	F0	5.6736391E-01	G0	4.5401789E-03				
(2P-,6P+)	F0	4.8166857E-01	G2	3.3314732E-03				
(2P+,2P+)	F0	1.5070629E+01	F2	7.1469602E+00				
(2P+,3S+)	F0	7.2386632E+00	G1	7.0954985E-01				
(2P+,3P-)	F0	7.7257782E+00	G2	8.0179883E-01				
(2P+,3P+)	F0	7.0516653E+00	F2	1.7649540E+00	G0	7.1034026E-01	G2	7.6915237E-01
(2P+,3D-)	F0	7.8523089E+00	F2	2.4314702E+00	G1	2.1454737E+00	G3	1.2341515E+00
(2P+,3D+)	F0	7.5786573E+00	F2	2.2482683E+00	G1	2.0839866E+00	G3	1.1996829E+00
(2P+,4S+)	F0	3.5416867E+00	G1	1.5865282E-01				
(2P+,4P-)	F0	3.6094908E+00	G2	1.7682126E-01				
(2P+,4P+)	F0	3.2877110E+00	F2	4.2301959E-01	G0	1.4685344E-01	G2	1.7113880E-01
(2P+,4D-)	F0	3.3196584E+00	F2	4.9350511E-01	G1	4.1408835E-01	G3	2.4589168E-01
(2P+,4D+)	F0	3.2160042E+00	F2	4.5685033E-01	G1	4.1032289E-01	G3	2.4320917E-01
(2P+,4F-)	F0	2.9720580E+00	F2	2.0839305E-01	G2	2.9245126E-02	G4	1.8879938E-02
(2P+,4F+)	F0	2.9265063E+00	F2	1.9817821E-01	G2	2.8733889E-02	G4	1.8545903E-02
(2P+,5S+)	F0	1.6594096E+00	G1	3.5598464E-02				
(2P+,5P-)	F0	1.5946804E+00	G2	3.6568312E-02				
(2P+,5P+)	F0	1.4407088E+00	F2	8.7268309E-02	G0	2.9288001E-02	G2	3.4662882E-02
(2P+,5D-)	F0	1.2353938E+00	F2	7.4997660E-02	G1	6.1918190E-02	G3	3.6991080E-02
(2P+,5D+)	F0	1.1923864E+00	F2	6.8326075E-02	G1	6.0561490E-02	G3	3.6094178E-02
(2P+,6S+)	F0	6.7416407E-01	G1	5.5591766E-03				
(2P+,6P-)	F0	5.6569247E-01	G2	4.2373463E-03				
(2P+,6P+)	F0	4.8060808E-01	F2	8.7342488E-03	G0	2.8762198E-03	G2	3.4131197E-03
(3S+,3S+)	F0	5.5250290E+00						
(3S+,3P-)	F0	5.6840546E+00	G1	3.5296255E+00				
(3S+,3P+)	F0	5.3936398E+00	G1	3.4917843E+00				

TABLE 1.– CONTINUED

RADON 6P6 Z=86

(3S+,3D-)	F0	5.7490501E+00	G2	2.3240043E+00				
(3S+,3D+)	F0	5.6654742E+00	G2	2.3603429E+00				
(3S+,4S+)	F0	3.1447436E+00	G0	2.3310862E-01				
(3S+,4P-)	F0	3.1625019E+00	G1	2.4096795E-01				
(3S+,4P+)	F0	2.9173789E+00	G1	2.5298531E-01				
(3S+,4D-)	F0	2.9340981E+00	G2	1.7118003E-01				
(3S+,4D+)	F0	2.8636322E+00	G2	1.6129878E-01				
(3S+,4F-)	F0	2.8917794E+00	G3	4.7249573E-01				
(3S+,4F+)	F0	2.8528796E+00	G3	4.5606544E-01				
(3S+,5S+)	F0	1.5689300E+00	G0	4.4287112E-02				
(3S+,5P-)	F0	1.5016146E+00	G1	4.3646070E-02				
(3S+,5P+)	F0	1.3652218E+00	G1	4.4577882E-02				
(3S+,5D-)	F0	1.1776509E+00	G2	2.5057021E-02				
(3S+,5D+)	F0	1.1404716E+00	G2	2.2868383E-02				
(3S+,6S+)	F0	6.5998565E-01	G0	6.7028588E-03				
(3S+,6P-)	F0	5.5489338E-01	G1	4.9454841E-03				
(3S+,6P+)	F0	4.7316611E-01	G1	4.2920765E-03				
(3P-,3P-)	F0	5.8837051E+00						
(3P-,3P+)	F0	5.5500740E+00	G2	2.6182831E+00				
(3P-,3D-)	F0	5.9497260E+00	G1	3.2838192E+00				
(3P-,3D+)	F0	5.8538383E+00	G3	2.1040229E+00				
(3P-,4S+)	F0	3.1785331E+00	G1	2.9163493E-01				
(3P-,4P-)	F0	3.2024891E+00	G0	2.6171905E-01				
(3P-,4P+)	F0	2.9500956E+00	G2	2.7018081E-01				
(3P-,4D-)	F0	2.9656035E+00	G1	1.7619869E-01				
(3P-,4D+)	F0	2.8935091E+00	G3	1.7919304E-01				
(3P-,4F-)	F0	2.9033552E+00	G2	5.3542180E-01				
(3P-,4F+)	F0	2.8636042E+00	G4	3.3761130E-01				
(3P-,5S+)	F0	1.5765421E+00	G1	5.7403262E-02				
(3P-,5P-)	F0	1.5098445E+00	G0	4.6376179E-02				
(3P-,5P+)	F0	1.3718305E+00	G2	4.9607638E-02				
(3P-,5D-)	F0	1.1822797E+00	G1	2.4217759E-02				
(3P-,5D+)	F0	1.1447883E+00	G3	2.4825429E-02				
(3P-,6S+)	F0	6.6117583E-01	G1	8.7433550E-03				
(3P-,6P-)	F0	5.5584650E-01	G0	5.2368683E-03				
(3P-,6P+)	F0	4.7381669E-01	G2	4.8077179E-03				
(3P+,3P+)	F0	5.2809262E+00	F2	2.6211989E+00				
(3P+,3D-)	F0	5.6001903E+00	F2	2.6251862E+00	G1	2.7539501E+00	G3	1.8286142E+00
(3P+,3D+)	F0	5.5216326E+00	F2	2.6344144E+00	G1	2.8236454E+00	G3	1.8748532E+00
(3P+,4S+)	F0	3.1195482E+00	G1	2.9432167E-01				
(3P+,4P-)	F0	3.1387310E+00	G2	2.9711539E-01				
(3P+,4P+)	F0	2.8976259E+00	F2	8.3684093E-01	G0	2.2458449E-01	G2	2.6117631E-01
(3P+,4D-)	F0	2.9125165E+00	F2	8.2887895E-01	G1	1.9696560E-01	G3	1.9934294E-01
(3P+,4D+)	F0	2.8428988E+00	F2	7.9165575E-01	G1	1.7744250E-01	G3	1.8615756E-01
(3P+,4F-)	F0	2.8754779E+00	F2	9.7290007E-01	G2	6.5076631E-01	G4	4.3208841E-01
(3P+,4F+)	F0	2.8375088E+00	F2	9.4535600E-01	G2	6.3230260E-01	G4	4.2012179E-01
(3P+,5S+)	F0	1.5633271E+00	G1	5.5947801E-02				
(3P+,5P-)	F0	1.4967811E+00	G2	5.3928408E-02				
(3P+,5P+)	F0	1.3613032E+00	F2	1.7948981E-01	G0	3.8753895E-02	G2	4.7568884E-02
(3P+,5D-)	F0	1.1744692E+00	F2	1.3234054E-01	G1	2.8282077E-02	G3	2.8683171E-02
(3P+,5D+)	F0	1.1374705E+00	F2	1.2410478E-01	G1	2.4962740E-02	G3	2.6341931E-02
(3P+,6S+)	F0	6.5911174E-01	G1	8.4736057E-03				
(3P+,6P-)	F0	5.5433471E-01	G2	6.1145243E-03				
(3P+,6P+)	F0	4.7278144E-01	F2	1.8703000E-02	G0	3.7199637E-03	G2	4.6042217E-03
(3D-,3D-)	F0	6.1409317E+00	F2	3.1036287E+00				

TABLE 1.– CONTINUED

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(3D-,3D+)	F0	6.0339396E+00	F2	3.0634120E+00	G2	2.9372830E+00	G4	1.9225607E+00			
(3D-,4S+)	F0	3.1911460E+00	G2	2.7441467E-01							
(3D-,4P-)	F0	3.2132022E+00	G1	2.8258642E-01							
(3D-,4P+)	F0	2.9600575E+00	F2	7.5358404E-01	G1	2.3832801E-01	G3	2.3489866E-01			
(3D-,4D-)	F0	2.9962938E+00	F2	7.9021283E-01	G0	2.5249782E-01	G2	3.0940220E-01			
(3D-,4D+)	F0	2.9234626E+00	F2	7.5845587E-01	G2	2.9196770E-01	G4	2.2705013E-01			
(3D-,4F-)	F0	2.9096216E+00	F2	8.1440638E-01	G1	6.6163145E-01	G3	3.8977753E-01			
(3D-,4F+)	F0	2.8692385E+00	F2	7.8815733E-01	G3	3.6951001E-01	G5	2.5602470E-01			
(3D-,5S+)	F0	1.5793259E+00	G2	5.4514985E-02							
(3D-,5P-)	F0	1.5119598E+00	G1	5.0424480E-02							
(3D-,5P+)	F0	1.3738041E+00	F2	1.5977559E-01	G1	4.2676653E-02	G3	4.3849967E-02			
(3D-,5D-)	F0	1.1867493E+00	F2	1.2384371E-01	G0	3.2891713E-02	G2	4.2918412E-02			
(3D-,5D+)	F0	1.1491004E+00	F2	1.1675020E-01	G2	3.9860756E-02	G4	3.1703124E-02			
(3D-,6S+)	F0	6.6160916E-01	G2	6.3247926E-03							
(3D-,6P-)	F0	5.6608963E-01	G1	5.7028190E-03							
(3D-,6P+)	F0	4.7401031E-01	F2	1.6505588E-02	G1	4.1198417E-03	G3	4.2612879E-03			
(3D+,3D+)	F0	5.9340947E+00	F2	3.0314037E+00	F4	1.9519822E+00					
(3D+,4S+)	F0	3.1731536E+00	G2	2.8080767E-01							
(3D+,4P-)	F0	3.1937223E+00	G3	2.8530112E-01							
(3D+,4P+)	F0	2.9438229E+00	F2	7.7237764E-01	G1	2.3974500E-01	G3	2.4064344E-01			
(3D+,4D-)	F0	2.9783689E+00	F2	8.0493079E-01	G2	2.9853441E-01	G4	2.3538909E-01			
(3D+,4D+)	F0	2.9067027E+00	F2	7.7256428E-01	F4	3.7406097E-01	G0	2.3884797E-01	G2	2.9857968E-01	G4 2.3403182E-01
(3D+,4F-)	F0	2.9028768E+00	F2	8.4713188E-01	F4	4.3493942E-01	G1	6.9012988E-01	G3	4.0764556E-01	G5 2.8247651E-01
(3D+,4F+)	F0	2.8629506E+00	F2	8.2044520E-01	F4	4.1766115E-01	G1	6.7461932E-01	G3	3.9854967E-01	G5 2.7619170E-01
(3D+,5S+)	F0	1.5752704E+00	G2	5.5172019E-02							
(3D+,5P-)	F0	1.5079458E+00	G3	5.2959552E-02							
(3D+,5P+)	F0	1.3705254E+00	F2	1.6414846E-01	G1	4.2675506E-02	G3	4.4723582E-02			
(3D+,5D-)	F0	1.1840890E+00	F2	1.2652119E-01	G2	4.1236817E-02	G4	3.3379683E-02			
(3D+,5D+)	F0	1.1466539E+00	F2	1.1926227E-01	F4	5.1430817E-02	G0	3.0562639E-02	G2	4.0689767E-02	G4 3.2635736E-02
(3D+,6S+)	F0	6.6097498E-01	G2	8.4108156E-03							
(3D+,6P-)	F0	5.5562465E-01	G3	6.0291440E-03							
(3D+,6P+)	F0	4.7368756E-01	F2	1.6988394E-02	G1	4.1161906E-03	G3	4.3433264E-03			
(4S+,4S+)	F0	2.5131661E+00									
(4S+,4P-)	F0	2.5149077E+00	G1	1.6868996E+00							
(4S+,4P+)	F0	2.3913667E+00	G1	1.5822965E+00							
(4S+,4D-)	F0	2.3916464E+00	G2	1.1823445E+00							
(4S+,4D+)	F0	2.3546657E+00	G2	1.1592701E+00							
(4S+,4F-)	F0	2.3616640E+00	G3	8.4277878E-01							
(4S+,4F+)	F0	2.3437901E+00	G3	8.3976650E-01							
(4S+,5S+)	F0	1.4402638E+00	G0	8.7409016E-02							
(4S+,5P-)	F0	1.3807285E+00	G1	9.7882082E-02							
(4S+,5P+)	F0	1.2665459E+00	G1	1.0638087E-01							
(4S+,5D-)	F0	1.1023157E+00	G2	6.8674507E-02							
(4S+,5D+)	F0	1.0704997E+00	G2	7.0106893E-02							
(4S+,6S+)	F0	6.4011836E-01	G0	1.1512382E-02							
(4S+,6P-)	F0	5.4104355E-01	G1	1.0009071E-02							
(4S+,6P+)	F0	4.6353482E-01	G1	9.3296558E-03							
(4P-,4P-)	F0	2.5181970E+00									
(4P-,4P+)	F0	2.3927562E+00	G2	1.1938596E+00							
(4P-,4D-)	F0	2.3933993E+00	G1	1.5436390E+00							
(4P-,4D+)	F0	2.3559905E+00	G3	9.4162078E-01							
(4P-,4F-)	F0	2.3619871E+00	G2	1.0299657E+00							
(4P-,4F+)	F0	2.3439749E+00	G4	7.1899175E-01							
(4P-,5S+)	F0	1.4408902E+00	G1	1.1666910E-01							
(4P-,5P-)	F0	1.3816379E+00	G0	8.5258669E-02							

TABLE 1.– CONTINUED

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(4P-,5P+)	F0	1.2671571E+00	G2	9.9758837E-02						
(4P-,5D-)	F0	1.1028148E+00	G1	7.7767048E-02						
(4P-,5D+)	F0	1.0709317E+00	G3	6.5107738E-02						
(4P-,6S+)	F0	6.4021925E-01	G1	1.5715704E-02						
(4P-,6P-)	F0	5.4114990E-01	G0	8.5259912E-03						
(4P-,6P+)	F0	4.6359672E-01	G2	9.9520260E-03						
(4P+,4P+)	F0	2.2893994E+00	F2	1.1926296E+00						
(4P+,4D-)	F0	2.2868373E+00	F2	1.1688553E+00	G1	1.4531486E+00	G3	9.2214765E-01		
(4P+,4D+)	F0	2.2553463E+00	F2	1.1558452E+00	G1	1.4518736E+00	G3	9.1852029E-01		
(4P+,4F-)	F0	2.2539677E+00	F2	1.1274298E+00	G2	9.4061558E-01	G4	6.6987146E-01		
(4P+,4F+)	F0	2.2386139E+00	F2	1.1232251E+00	G2	9.4316506E-01	G4	6.7106201E-01		
(4P+,5S+)	F0	1.4188912E+00	G1	1.2763655E-01						
(4P+,5P-)	F0	1.3613320E+00	G2	1.1397372E-01						
(4P+,5P+)	F0	1.2504252E+00	F2	3.6518739E-01	G0	7.4776759E-02	G2	9.5769668E-02		
(4P+,5D-)	F0	1.0901694E+00	F2	2.6983758E-01	G1	5.9642348E-02	G3	5.8511165E-02		
(4P+,5D+)	F0	1.0590507E+00	F2	2.5419099E-01	G1	6.1130511E-02	G3	5.7620094E-02		
(4P+,6S+)	F0	6.3687830E-01	G1	1.6322225E-02						
(4P+,6P-)	F0	5.3885570E-01	G2	1.1602188E-02						
(4P+,6P+)	F0	4.6198507E-01	F2	4.2021469E-02	G0	6.3894256E-03	G2	8.5324265E-03		
(4D-,4D-)	F0	2.2896702E+00	F2	1.1608168E+00						
(4D-,4D+)	F0	2.2572974E+00	F2	1.1453718E+00	G2	1.1389568E+00	G4	7.6701656E-01		
(4D-,4F-)	F0	2.2554986E+00	F2	1.1171247E+00	G1	1.2538821E+00	G3	8.2158484E-01		
(4D-,4F+)	F0	2.2398226E+00	F2	1.1124897E+00	G3	8.1723977E-01	G5	5.8740296E-01		
(4D-,5S+)	F0	1.4185547E+00	G2	1.4909751E-01						
(4D-,5P-)	F0	1.3611779E+00	G1	1.2757326E-01						
(4D-,5P+)	F0	1.2503058E+00	F2	3.6594339E-01	G1	9.8391721E-02	G3	9.8180179E-02		
(4D-,5D-)	F0	1.0909356E+00	F2	2.7312618E-01	G0	6.2951415E-02	G2	7.6151046E-02		
(4D-,5D+)	F0	1.0597525E+00	F2	2.5716911E-01	G2	7.2824052E-02	G4	6.0814786E-02		
(4D-,6S+)	F0	6.3684835E-01	G2	1.8558992E-02						
(4D-,6P-)	F0	5.3884662E-01	G1	1.2004380E-02						
(4D-,6P+)	F0	4.6197723E-01	F2	4.2243992E-02	G1	8.3939159E-03	G3	8.7082465E-03		
(4D+,4D+)	F0	2.2266331E+00	F2	1.1326127E+00	F4	7.6244867E-01				
(4D+,4F-)	F0	2.2232986E+00	F2	1.0981390E+00	F4	7.0916797E-01	G1	1.2129719E+00	G3	7.9818450E-01	G5	5.7490145E-01
(4D+,4F+)	F0	2.2083600E+00	F2	1.0943932E+00	F4	7.0786238E-01	G1	1.2182828E+00	G3	8.0101529E-01	G5	5.7677839E-01
(4D+,5S+)	F0	1.4117005E+00	G2	1.5868529E-01						
(4D+,5P-)	F0	1.3549057E+00	G3	1.3248218E-01						
(4D+,5P+)	F0	1.2451718E+00	F2	3.7464930E-01	G1	1.0094556E-01	G3	1.0153535E-01		
(4D+,5D-)	F0	1.0870894E+00	F2	2.7973002E-01	G2	7.5886161E-02	G4	6.4519962E-02		
(4D+,5D+)	F0	1.0561531E+00	F2	2.6337199E-01	F4	1.2097137E-01	G0	5.9913052E-02	G2	7.2989591E-02	G4	6.1487186E-02
(4D+,6S+)	F0	6.3581575E-01	G2	1.9261447E-02						
(4D+,6P-)	F0	5.3814165E-01	G3	1.2988369E-02						
(4D+,6P+)	F0	4.6148370E-01	F2	4.3488032E-02	G1	8.5260141E-03	G3	8.9257563E-03		
(4F-,4F-)	F0	2.2492122E+00	F2	1.1420601E+00	F4	7.3314016E-01				
(4F-,4F+)	F0	2.2331555E+00	F2	1.1346905E+00	F4	7.2856232E-01	G2	1.1266264E+00	G4	7.2362118E-01	G6	5.2568090E-01
(4F-,5S+)	F0	1.4095265E+00	G3	1.6886335E-01						
(4F-,5P-)	F0	1.3529306E+00	G2	1.6085874E-01						
(4F-,5P+)	F0	1.2438586E+00	F2	3.7275065E-01	G2	1.1822487E-01	G4	1.0658829E-01		
(4F-,5D-)	F0	1.0863630E+00	F2	2.8021009E-01	G1	8.2943110E-02	G3	8.4217133E-02		
(4F-,5D+)	F0	1.0555092E+00	F2	2.6380557E-01	F4	1.2500385E-01	G1	7.5795597E-02	G3	7.7500258E-02	G5	6.3965185E-02
(4F-,6S+)	F0	6.3560328E-01	G3	1.9105119E-02						
(4F-,6P-)	F0	5.3797826E-01	G2	1.3495239E-02						
(4F-,6P+)	F0	4.6138058E-01	F2	4.3693903E-02	G2	9.2231586E-03	G4	8.8661542E-03		
(4F+,4F+)	F0	2.2174963E+00	F2	1.1277865E+00	F4	7.2434221E-01	F6	5.2619605E-01		
(4F+,5S+)	F0	1.4058594E+00	G3	1.7332763E-01						
(4F+,5P-)	F0	1.3495957E+00	G4	1.4337847E-01						

TABLE 1.– CONTINUED

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(4F+,5P+)	F0	1.2411610E+00	F2	3.7707728E-01	G2	1.2152187E-01	G4	1.0917506E-01			
(4F+,5D-)	F0	1.0843741E+00	F2	2.8371358E-01	G3	8.5606602E-02	G5	7.0424008E-02			
(4F+,5D+)	F0	1.0536516E+00	F2	2.6713146E-01	F4	1.2715574E-01	G1	7.7620079E-02	G3	7.9215890E-02	G5 6.5345236E-02
(4F+,6S+)	F0	6.3506233E-01	G3	1.9386108E-02							
(4F+,6P-)	F0	5.3761012E-01	G4	1.3055237E-02							
(4F+,6P+)	F0	4.6112408E-01	F2	4.4350171E-02	G2	9.3780282E-03	G4	9.0139118E-03			
(5S+,5S+)	F0	1.1662793E+00									
(5S+,5P-)	F0	1.1353644E+00	G1	7.8588725E-01							
(5S+,5P+)	F0	1.0723721E+00	G1	6.9338745E-01							
(5S+,5D-)	F0	9.6622273E-01	G2	4.1518953E-01							
(5S+,5D+)	F0	9.4421080E-01	G2	3.8456058E-01							
(5S+,6S+)	F0	6.0247763E-01	G0	2.7769654E-02							
(5S+,6P-)	F0	5.1561103E-01	G1	2.8708020E-02							
(5S+,6P+)	F0	4.4588778E-01	G1	2.7341543E-02							
(5P-,5P-)	F0	1.1071885E+00									
(5P-,5P+)	F0	1.0494286E+00	G2	5.4291314E-01							
(5P-,5D-)	F0	9.4991579E-01	G1	5.6495431E-01							
(5P-,5D+)	F0	9.2917307E-01	G3	3.3194896E-01							
(5P-,6S+)	F0	5.9876801E-01	G1	4.0264716E-02							
(5P-,6P-)	F0	5.1311847E-01	G0	2.0992955E-02							
(5P-,6P+)	F0	4.4410626E-01	G2	2.3201207E-02							
(5P+,5P+)	F0	1.0022555E+00	F2	5.4028363E-01							
(5P+,5D-)	F0	9.1606831E-01	F2	4.7817477E-01	G1	6.0208827E-01	G3	3.7722755E-01			
(5P+,5D+)	F0	8.9793579E-01	F2	4.6405960E-01	G1	5.7711714E-01	G3	3.6132071E-01			
(5P+,6S+)	F0	5.9166922E-01	G1	5.1925438E-02							
(5P+,6P-)	F0	5.0795551E-01	G2	3.1211962E-02							
(5P+,6P+)	F0	4.4044996E-01	F2	1.0144213E-01	G0	1.6494931E-02	G2	2.2317540E-02			
(5D-,5D-)	F0	8.5019854E-01	F2	4.4776085E-01							
(5D-,5D+)	F0	8.3607970E-01	F2	4.3986304E-01	G2	4.3590756E-01	G4	2.9596339E-01			
(5D-,6S+)	F0	5.7546039E-01	G2	1.0147583E-01							
(5D-,6P-)	F0	4.9787098E-01	G1	6.4699256E-02							
(5D-,6P+)	F0	4.3352491E-01	F2	1.2172167E-01	G1	3.5188177E-02	G3	3.2635702E-02			
(5D+,5D+)	F0	8.2277757E-01	F2	4.3326476E-01	F4	2.9197849E-01					
(5D+,6S+)	F0	5.7192082E-01	G2	1.1201892E-01							
(5D+,6P-)	F0	4.9558744E-01	G3	6.0403925E-02							
(5D+,6P+)	F0	4.3197809E-01	F2	1.2598324E-01	G1	3.9762328E-02	G3	3.5776590E-02			
(6S+,6S+)	F0	4.8237368E-01									
(6S+,6P-)	F0	4.3673550E-01	G1	2.8979931E-01							
(6S+,6P+)	F0	3.9306718E-01	G1	2.2070594E-01							
(6P-,6P-)	F0	4.0287715E-01									
(6P-,6P+)	F0	3.6865446E-01	G2	1.8690476E-01							
(6P+,6P+)	F0	3.4260193E-01	F2	1.8117834E-01							

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(1S+,1S+)	F0	6.4626434E+01		
(1S+,2S+)	F0	2.1642062E+01	G0	2.7547216E+00
(1S+,2P-)	F0	2.5725532E+01	G1	4.1482649E+00
(1S+,2P+)	F0	2.0875323E+01	G1	3.3807158E+00
(1S+,3S+)	F0	6.7595146E+00	G0	5.6551353E-01
(1S+,3P-)	F0	9.5794704E+00	G1	8.3455803E-01
(1S+,3P+)	F0	8.2686903E+00	G1	7.6314501E-01

TABLE 1.– CONTINUED

FRANCIUM 7S1 Z=87

(1S+,3D-)	F0	8.2934447E+00	G2	3.0202004E-02
(1S+,3D+)	F0	7.9366540E+00	G2	3.4147142E-02
(1S+,4S+)	F0	3.9723315E+00	G0	1.4586367E-01
(1S+,4P-)	F0	4.1069282E+00	G1	2.0766253E-01
(1S+,4P+)	F0	3.6192222E+00	G1	1.9119108E-01
(1S+,4D-)	F0	3.4643664E+00	G2	8.3430173E-03
(1S+,4D+)	F0	3.3384091E+00	G2	9.4536249E-03
(1S+,4F-)	F0	3.0429168E+00	G3	3.4312967E-05
(1S+,4F+)	F0	2.9952528E+00	G3	4.3138148E-05
(1S+,5S+)	F0	1.7887336E+00	G0	3.4382429E-02
(1S+,5P-)	F0	1.7335947E+00	G1	4.5043748E-02
(1S+,5P+)	F0	1.5394726E+00	G1	4.0716735E-02
(1S+,5D-)	F0	1.2997725E+00	G2	1.3996018E-03
(1S+,5D+)	F0	1.2525175E+00	G2	1.5641228E-03
(1S+,6S+)	F0	7.2745357E-01	G0	5.8350306E-03
(1S+,6P-)	F0	6.2710075E-01	G1	5.0140643E-03
(1S+,6P+)	F0	5.4005343E-01	G1	4.8668914E-03
(1S+,7S+)	F0	2.1664612E-01	G0	4.0477339E-04
(2S+,2S+)	F0	1.4773700E+01		
(2S+,2P-)	F0	1.6088878E+01	G1	8.0881134E+00
(2S+,2P+)	F0	1.4890688E+01	G1	8.4596524E+00
(2S+,3S+)	F0	7.3435017E+00	G0	6.8074818E-01
(2S+,3P-)	F0	7.7992817E+00	G1	6.3477270E-01
(2S+,3P+)	F0	7.0865047E+00	G1	5.4557251E-01
(2S+,3D-)	F0	7.9510581E+00	G2	1.7669329E+00
(2S+,3D+)	F0	7.6720167E+00	G2	1.6588861E+00
(2S+,4S+)	F0	3.6039802E+00	G0	1.5011841E-01
(2S+,4P-)	F0	3.6664126E+00	G1	1.4231995E-01
(2S+,4P+)	F0	3.3290262E+00	G1	1.1774062E-01
(2S+,4D-)	F0	3.3777646E+00	G2	3.5681162E-01
(2S+,4D+)	F0	3.2716259E+00	G2	3.3973960E-01
(2S+,4F-)	F0	3.0408312E+00	G3	2.4278175E-02
(2S+,4F+)	F0	2.9935420E+00	G3	2.3398655E-02
(2S+,5S+)	F0	1.7017003E+00	G0	3.4145308E-02
(2S+,5P-)	F0	1.6381270E+00	G1	3.0175907E-02
(2S+,5P+)	F0	1.4779137E+00	G1	2.4294874E-02
(2S+,5D-)	F0	1.2854823E+00	G2	5.6418936E-02
(2S+,5D+)	F0	1.2416580E+00	G2	5.3109554E-02
(2S+,6S+)	F0	7.1267536E-01	G0	5.7510152E-03
(2S+,6P-)	F0	6.1435620E-01	G1	4.0116143E-03
(2S+,6P+)	F0	5.3270043E-01	G1	2.8874842E-03
(2S+,7S+)	F0	2.1562089E-01	G0	3.9854377E-04
(2P-,2P-)	F0	1.8306713E+01		
(2P-,2P+)	F0	1.6538543E+01	G2	6.9451858E+00
(2P-,3S+)	F0	7.5846247E+00	G1	7.3709906E-01
(2P-,3P-)	F0	8.1531671E+00	G0	9.2393044E-01
(2P-,3P+)	F0	7.3803720E+00	G2	7.5742373E-01
(2P-,3D-)	F0	8.0814284E+00	G1	1.7621027E+00
(2P-,3D+)	F0	7.7764781E+00	G3	8.8204234E-01
(2P-,4S+)	F0	3.6656005E+00	G1	1.6998090E-01
(2P-,4P-)	F0	3.7519710E+00	G0	1.9716964E-01
(2P-,4P+)	F0	3.3994612E+00	G2	1.7058224E-01
(2P-,4D-)	F0	3.4099843E+00	G1	3.7179783E-01
(2P-,4D+)	F0	3.2974767E+00	G3	1.9097899E-01
(2P-,4F-)	F0	3.0417744E+00	G2	1.8225168E-02

TABLE 1.– CONTINUED

FRANCIUM 7S1 Z=87

(2P-,4F+)	F0 2.9943251E+00	G4 1.0834598E-02				
(2P-,5S+)	F0 1.7161996E+00	G1 3.9038997E-02				
(2P-,5P-)	F0 1.6565723E+00	G0 4.1350534E-02				
(2P-,5P+)	F0 1.4927927E+00	G2 3.5488213E-02				
(2P-,5D-)	F0 1.2907748E+00	G1 5.9303626E-02				
(2P-,5D+)	F0 1.2458456E+00	G3 3.0182923E-02				
(2P-,6S+)	F0 7.1513517E-01	G1 6.5886196E-03				
(2P-,6P-)	F0 6.1681612E-01	G0 5.4857334E-03				
(2P-,6P+)	F0 5.3447632E-01	G2 4.2239340E-03				
(2P-,7S+)	F0 2.1579151E-01	G1 4.5671243E-04				
(2P+,2P+)	F0 1.5269561E+01	F2 7.2400165E+00				
(2P+,3S+)	F0 7.3589684E+00	G1 7.2268058E-01				
(2P+,3P-)	F0 7.8575742E+00	G2 8.1756653E-01				
(2P+,3P+)	F0 7.1539950E+00	F2 1.7929126E+00	G0 7.2228396E-01	G2 7.8188077E-01		
(2P+,3D-)	F0 7.9699935E+00	F2 2.4725962E+00	G1 2.1801383E+00	G3 1.2540628E+00		
(2P+,3D+)	F0 7.6855659E+00	F2 2.2820710E+00	G1 2.1166523E+00	G3 1.2184842E+00		
(2P+,4S+)	F0 3.6076217E+00	G1 1.6219204E-01				
(2P+,4P-)	F0 3.6798168E+00	G2 1.8110188E-01				
(2P+,4P+)	F0 3.3445827E+00	F2 4.3238068E-01	G0 1.5019184E-01	G2 1.7504253E-01		
(2P+,4D-)	F0 3.3832224E+00	F2 5.0620724E-01	G1 4.2423682E-01	G3 2.5197159E-01		
(2P+,4D+)	F0 3.2756263E+00	F2 4.6796433E-01	G1 4.2062256E-01	G3 2.4935253E-01		
(2P+,4F-)	F0 3.0407453E+00	F2 2.1614305E-01	G2 3.0598538E-02	G4 1.9754673E-02		
(2P+,4F+)	F0 2.9934523E+00	F2 2.0536315E-01	G2 3.0073295E-02	G4 1.9411275E-02		
(2P+,5S+)	F0 1.7025394E+00	G1 3.7038079E-02				
(2P+,5P-)	F0 1.6409823E+00	G2 3.8303890E-02				
(2P+,5P+)	F0 1.4811874E+00	F2 9.1442615E-02	G0 3.0717943E-02	G2 3.6367222E-02		
(2P+,5D-)	F0 1.2864002E+00	F2 8.0828502E-02	G1 6.6711596E-02	G3 3.9869630E-02		
(2P+,5D+)	F0 1.2423237E+00	F2 7.3730436E-02	G1 6.5473624E-02	G3 3.9033173E-02		
(2P+,6S+)	F0 7.1281708E-01	G1 6.2434512E-03				
(2P+,6P-)	F0 6.1473611E-01	G2 5.0897791E-03				
(2P+,6P+)	F0 5.3309089E-01	F2 1.1029987E-02	G0 3.6449074E-03	G2 4.3274946E-03		
(2P+,7S+)	F0 2.1563071E-01	G1 4.3271735E-04				
(3S+,3S+)	F0 5.6185958E+00					
(3S+,3P-)	F0 5.7820649E+00	G1 3.5855374E+00				
(3S+,3P+)	F0 5.4779323E+00	G1 3.5436321E+00				
(3S+,3D-)	F0 5.8419132E+00	G2 2.3635749E+00				
(3S+,3D+)	F0 5.7546175E+00	G2 2.4009475E+00				
(3S+,4S+)	F0 3.2024579E+00	G0 2.3842038E-01				
(3S+,4P-)	F0 3.2228517E+00	G1 2.4616314E-01				
(3S+,4P+)	F0 2.9675007E+00	G1 2.5930750E-01				
(3S+,4D-)	F0 2.9892526E+00	G2 1.7488368E-01				
(3S+,4D+)	F0 2.9162423E+00	G2 1.6483623E-01				
(3S+,4F-)	F0 2.9577790E+00	G3 4.8759286E-01				
(3S+,4F+)	F0 2.9174973E+00	G3 4.7049385E-01				
(3S+,5S+)	F0 1.6085088E+00	G0 4.6056289E-02				
(3S+,5P-)	F0 1.5436464E+00	G1 4.5551038E-02				
(3S+,5P+)	F0 1.4023231E+00	G1 4.6797827E-02				
(3S+,5D-)	F0 1.2243306E+00	G2 2.6899835E-02				
(3S+,5D+)	F0 1.1864735E+00	G2 2.4602893E-02				
(3S+,6S+)	F0 6.9690858E-01	G0 7.5161960E-03				
(3S+,6P-)	F0 6.0178246E-01	G1 5.9122270E-03				
(3S+,6P+)	F0 5.2369401E-01	G1 5.4378248E-03				
(3S+,7S+)	F0 2.1452759E-01	G0 5.1873069E-04				
(3P-,3P-)	F0 5.9875074E+00					
(3P-,3P+)	F0 5.6377797E+00	G2 2.6518118E+00				

TABLE 1.– CONTINUED

FRANCIUM 7S1 Z=87

(3P-,3D-)	F0	6.0474104E+00	G1	3.3417043E+00				
(3P-,3D+)	F0	5.9471726E+00	G3	2.1388057E+00				
(3P-,4S+)	F0	3.2373732E+00	G1	2.9773371E-01				
(3P-,4P-)	F0	3.2642366E+00	G0	2.6819466E-01				
(3P-,4P+)	F0	3.0011955E+00	G2	2.7596287E-01				
(3P-,4D-)	F0	3.0218405E+00	G1	1.8051394E-01				
(3P-,4D+)	F0	2.9471147E+00	G3	1.8348504E-01				
(3P-,4F-)	F0	2.9698846E+00	G2	5.5199281E-01				
(3P-,4F+)	F0	2.9286964E+00	G4	3.4783563E-01				
(3P-,5S+)	F0	1.6165171E+00	G1	5.9598969E-02				
(3P-,5P-)	F0	1.5523601E+00	G0	4.8550716E-02				
(3P-,5P+)	F0	1.4093066E+00	G2	5.1929595E-02				
(3P-,5D-)	F0	1.2293657E+00	G1	2.6029527E-02				
(3P-,5D+)	F0	1.1911769E+00	G3	2.6760863E-02				
(3P-,6S+)	F0	6.9826033E-01	G1	9.7903564E-03				
(3P-,6P-)	F0	6.0293974E-01	G0	6.2791931E-03				
(3P-,6P+)	F0	5.2452485E-01	G2	6.0763745E-03				
(3P-,7S+)	F0	2.1462130E-01	G1	6.7625560E-04				
(3P+,3P+)	F0	5.3573717E+00	F2	2.6579162E+00				
(3P+,3D-)	F0	5.6826906E+00	F2	2.6620651E+00	G1	2.7890980E+00	G3	1.8524865E+00
(3P+,3D+)	F0	5.6010106E+00	F2	2.6717453E+00	G1	2.8617318E+00	G3	1.9007103E+00
(3P+,4S+)	F0	3.1752805E+00	G1	3.0091332E-01				
(3P+,4P-)	F0	3.1970046E+00	G2	3.0444611E-01				
(3P+,4P+)	F0	2.9461186E+00	F2	8.5258850E-01	G0	2.2926638E-01	G2	2.6639787E-01
(3P+,4D-)	F0	2.9659235E+00	F2	8.4713798E-01	G1	2.0209148E-01	G3	2.0395438E-01
(3P+,4D+)	F0	2.8938483E+00	F2	8.0851621E-01	G1	1.8157075E-01	G3	1.9046852E-01
(3P+,4F-)	F0	2.9401924E+00	F2	1.0027481E+00	G2	6.7411177E-01	G4	4.4769463E-01
(3P+,4F+)	F0	2.9009349E+00	F2	9.7409854E-01	G2	6.5494825E-01	G4	4.3528115E-01
(3P+,5S+)	F0	1.6023546E+00	G1	5.8079222E-02				
(3P+,5P-)	F0	1.5382685E+00	G2	5.6387759E-02				
(3P+,5P+)	F0	1.3979700E+00	F2	1.8708697E-01	G0	4.0512699E-02	G2	4.9713114E-02
(3P+,5D-)	F0	1.2207142E+00	F2	1.4160053E-01	G1	3.0504071E-02	G3	3.0892121E-02
(3P+,5D+)	F0	1.1830562E+00	F2	1.3302249E-01	G1	2.6923821E-02	G3	2.8404013E-02
(3P+,6S+)	F0	6.9587234E-01	G1	9.4829740E-03				
(3P+,6P-)	F0	6.0106965E-01	G2	7.3224544E-03				
(3P+,6P+)	F0	5.2317763E-01	F2	2.3330677E-02	G0	4.6924118E-03	G2	5.8089347E-03
(3P+,7S+)	F0	2.1445579E-01	G1	6.5451759E-04				
(3D-,3D-)	F0	6.2341420E+00	F2	3.1504539E+00				
(3D-,3D+)	F0	6.1227963E+00	F2	3.1085737E+00	G2	3.0291795E+00	G4	1.9496512E+00
(3D-,4S+)	F0	3.2486970E+00	G2	2.8040008E-01				
(3D-,4P-)	F0	3.2736825E+00	G1	2.8916933E-01				
(3D-,4P+)	F0	3.0101647E+00	F2	7.6757478E-01	G1	2.4286172E-01	G3	2.3936768E-01
(3D-,4D-)	F0	3.0521016E+00	F2	8.0762029E-01	G0	2.5837250E-01	G2	3.1666348E-01
(3D-,4D+)	F0	2.9766814E+00	F2	7.7474199E-01	G2	2.9849914E-01	G4	2.3215575E-01
(3D-,4F-)	F0	2.9759169E+00	F2	8.3949732E-01	G1	6.8504672E-01	G3	4.0366550E-01
(3D-,4F+)	F0	2.9340923E+00	F2	8.1210106E-01	G3	3.8235538E-01	G5	2.6495866E-01
(3D-,5S+)	F0	1.6190982E+00	G2	5.6621907E-02				
(3D-,5P-)	F0	1.5542519E+00	G1	5.2668173E-02				
(3D-,5P+)	F0	1.4111248E+00	F2	1.6654725E-01	G1	4.4554467E-02	G3	4.5800831E-02
(3D-,5D-)	F0	1.2339964E+00	F2	1.3260039E-01	G0	3.5310286E-02	G2	4.6136918E-02
(3D-,5D+)	F0	1.1956632E+00	F2	1.2525435E-01	G2	4.2915782E-02	G4	3.4151962E-02
(3D-,6S+)	F0	6.9869372E-01	G2	9.3253094E-03				
(3D-,6P-)	F0	6.0318861E-01	G1	6.8218139E-03				
(3D-,6P+)	F0	5.2474027E-01	F2	2.0617447E-02	G1	5.1917230E-03	G3	5.3746390E-03
(3D-,7S+)	F0	2.1465132E-01	G2	6.4435993E-04				

TABLE 1.– CONTINUED

FRANCIUM 7S1 Z=87

(3D+,3D+)	F0	6.0190718E+00	F2	3.0754499E+00	F4	1.9805035E+00				
(3D+,4S+)	F0	3.2300122E+00	G2	2.8713199E-01						
(3D+,4P-)	F0	3.2532047E+00	G3	2.9210488E-01						
(3D+,4P+)	F0	2.9931654E+00	F2	7.8713618E-01	G1	2.4432618E-01	G3	2.4536135E-01		
(3D+,4D-)	F0	3.0332726E+00	F2	8.2295347E-01	G2	3.0524777E-01	G4	2.4131055E-01		
(3D+,4D+)	F0	2.9590981E+00	F2	7.8943185E-01	F4	3.8271815E-01	G0	2.4414628E-01	G2	3.0544190E-01
(3D+,4F-)	F0	2.9687404E+00	F2	8.7393766E-01	F4	4.5311954E-01	G1	7.1501878E-01	G3	4.2248210E-01
(3D+,4F+)	F0	2.9274105E+00	F2	8.4608773E-01	F4	4.3202475E-01	G1	6.9904057E-01	G3	4.1311206E-01
(3D+,5S+)	F0	1.6147648E+00	G2	5.7318920E-02						
(3D+,5P-)	F0	1.5499355E+00	G3	5.5361530E-02						
(3D+,5P+)	F0	1.4076028E+00	F2	1.7119198E-01	G1	4.4548840E-02	G3	4.6733515E-02		
(3D+,5D-)	F0	1.2310572E+00	F2	1.3550358E-01	G2	4.4278121E-02	G4	3.5876509E-02		
(3D+,5D+)	F0	1.1929564E+00	F2	1.2798257E-01	F4	5.5447664E-02	G0	3.2856460E-02	G2	4.3831630E-02
(3D+,6S+)	F0	6.9796217E-01	G2	9.4230051E-03						
(3D+,6P-)	F0	6.0261521E-01	G3	7.2204090E-03						
(3D+,6P+)	F0	5.2432127E-01	F2	2.1225909E-02	G1	5.1862509E-03	G3	5.4801898E-03		
(3D+,7S+)	F0	2.1460061E-01	G2	6.5096100E-04						
(4S+,4S+)	F0	2.5595273E+00								
(4S+,4P-)	F0	2.5623938E+00	G1	1.7175381E+00						
(4S+,4P+)	F0	2.4335259E+00	G1	1.6076394E+00						
(4S+,4D-)	F0	2.4365275E+00	G2	1.2042896E+00						
(4S+,4D+)	F0	2.3981851E+00	G2	1.1802923E+00						
(4S+,4F-)	F0	2.4129605E+00	G3	8.6184227E-01						
(4S+,4F+)	F0	2.3946054E+00	G3	8.5904983E-01						
(4S+,5S+)	F0	1.4751391E+00	G0	9.0356159E-02						
(4S+,5P-)	F0	1.4175339E+00	G1	1.0146083E-01						
(4S+,5P+)	F0	1.2994950E+00	G1	1.1085201E-01						
(4S+,5D-)	F0	1.1435864E+00	G2	7.3058219E-02						
(4S+,5D+)	F0	1.1113491E+00	G2	7.4829057E-02						
(4S+,6S+)	F0	6.7468380E-01	G0	1.2783063E-02						
(4S+,6P-)	F0	5.8521993E-01	G1	1.1834944E-02						
(4S+,6P+)	F0	5.1156894E-01	G1	1.1682288E-02						
(4S+,7S+)	F0	2.1298942E-01	G0	8.6712830E-04						
(4P-,4P-)	F0	2.5668933E+00								
(4P-,4P+)	F0	2.4358353E+00	G2	1.2121812E+00						
(4P-,4D-)	F0	2.4392573E+00	G1	1.5724400E+00						
(4P-,4D+)	F0	2.4004139E+00	G3	9.5857585E-01						
(4P-,4F-)	F0	2.4142506E+00	G2	1.0533681E+00						
(4P-,4F+)	F0	2.3957250E+00	G4	7.3607268E-01						
(4P-,5S+)	F0	1.4759919E+00	G1	1.2047141E-01						
(4P-,5P-)	F0	1.4166767E+00	G0	8.8600474E-02						
(4P-,5P+)	F0	1.3002866E+00	G2	1.0378829E-01						
(4P-,5D-)	F0	1.1442427E+00	G1	8.2839439E-02						
(4P-,5D+)	F0	1.1119261E+00	G3	6.9632126E-02						
(4P-,6S+)	F0	6.7483025E-01	G1	1.7445938E-02						
(4P-,6P-)	F0	5.8537241E-01	G0	1.0100234E-02						
(4P-,6P+)	F0	5.1166506E-01	G2	1.1203971E-02						
(4P-,7S+)	F0	2.1299959E-01	G1	1.1867411E-03						
(4P+,4P+)	F0	2.3283827E+00	F2	1.2126492E+00						
(4P+,4D-)	F0	2.3280431E+00	F2	1.1895758E+00	G1	1.4774206E+00	G3	9.3810737E-01		
(4P+,4D+)	F0	2.2954924E+00	F2	1.1762915E+00	G1	1.4767402E+00	G3	9.3472411E-01		
(4P+,4F-)	F0	2.3006169E+00	F2	1.1509159E+00	G2	9.5737591E-01	G4	6.8282885E-01		
(4P+,4F+)	F0	2.2849110E+00	F2	1.1468927E+00	G2	9.6051321E-01	G4	6.8441410E-01		
(4P+,5S+)	F0	1.4526394E+00	G1	1.3211369E-01						
(4P+,5P-)	F0	1.3969849E+00	G2	1.1869394E-01						

TABLE 1.– CONTINUED

FRANCIUM 7S1 Z=87

(4P+,5P+)	F0	1.2824344E+00	F2	3.7790669E-01	G0	7.7657584E-02	G2	9.9454968E-02			
(4P+,5D-)	F0	1.1303712E+00	F2	2.8572821E-01	G1	6.3133523E-02	G3	6.2272743E-02			
(4P+,5D+)	F0	1.0988695E+00	F2	2.6959896E-01	G1	6.4858549E-02	G3	6.1443137E-02			
(4P+,6S+)	F0	6.7100462E-01	G1	1.8115244E-02							
(4P+,6P-)	F0	5.8256468E-01	G2	1.3768069E-02							
(4P+,6P+)	F0	5.0958898E-01	F2	5.1435597E-02	G0	7.9537846E-03	G2	1.0653831E-02			
(4P+,7S+)	F0	2.1273537E-01	G1	1.2253438E-03							
(4D-,4D-)	F0	2.3333559E+00	F2	1.1828886E+00							
(4D-,4D+)	F0	2.2997721E+00	F2	1.1668785E+00	G2	1.1600814E+00	G4	7.8153809E-01			
(4D-,4F-)	F0	2.3046430E+00	F2	1.1420200E+00	G1	1.2779886E+00	G3	8.3904016E-01			
(4D-,4F+)	F0	2.2885464E+00	F2	1.1374770E+00	G3	8.3476466E-01	G5	6.0048003E-01			
(4D-,5S+)	F0	1.4528018E+00	G2	1.5351538E-01							
(4D-,5P-)	F0	1.3972884E+00	G1	1.3222559E-01							
(4D-,5P+)	F0	1.2826902E+00	F2	3.7798995E-01	G1	1.0150753E-01	G3	1.0166973E-01			
(4D-,5D-)	F0	1.1314897E+00	F2	2.8868180E-01	G0	6.6971788E-02	G2	8.1100407E-02			
(4D-,5D+)	F0	1.0999036E+00	F2	2.7226238E-01	G2	7.7716929E-02	G4	6.4981049E-02			
(4D-,6S+)	F0	6.7105443E-01	G2	2.0529398E-02							
(4D-,6P-)	F0	5.8261384E-01	G1	1.4160862E-02							
(4D-,6P+)	F0	5.0962337E-01	F2	5.1578344E-02	G1	1.0438175E-02	G3	1.0850826E-02			
(4D-,7S+)	F0	2.1273697E-01	G2	1.3867115E-03							
(4D+,4D+)	F0	2.2679975E+00	F2	1.1537211E+00	F4	7.7694548E-01					
(4D+,4F-)	F0	2.2709938E+00	F2	1.1219617E+00	F4	7.2465315E-01	G1	1.2344949E+00	G3	8.1413537E-01	G5 5.8691642E-01
(4D+,4F+)	F0	2.2556746E+00	F2	1.1183553E+00	F4	7.2353968E-01	G1	1.2405676E+00	G3	8.1745870E-01	G5 5.8914651E-01
(4D+,5S+)	F0	1.4455773E+00	G2	1.6352773E-01							
(4D+,5P-)	F0	1.3906339E+00	G3	1.3753113E-01							
(4D+,5P+)	F0	1.2772485E+00	F2	3.8705714E-01	G1	1.0440879E-01	G3	1.0514407E-01			
(4D+,5D-)	F0	1.1272957E+00	F2	2.9566875E-01	G2	8.0785866E-02	G4	6.8793759E-02			
(4D+,5D+)	F0	1.0959722E+00	F2	2.7883333E-01	F4	1.2912851E-01	G0	6.3840834E-02	G2	7.7885178E-02	G4 6.5704626E-02
(4D+,6S+)	F0	6.6986030E-01	G2	2.1306425E-02							
(4D+,6P-)	F0	5.8175699E-01	G3	1.5363524E-02							
(4D+,6P+)	F0	5.0899179E-01	F2	5.3085388E-02	G1	1.0592448E-02	G3	1.1118102E-02			
(4D+,7S+)	F0	2.1265794E-01	G2	1.4358204E-03							
(4F-,4F-)	F0	2.3049433E+00	F2	1.1731781E+00	F4	7.5379578E-01					
(4F-,4F+)	F0	2.2883204E+00	F2	1.1655944E+00	F4	7.4909709E-01	G2	1.1569570E+00	G4	7.4379960E-01	G6 5.4056026E-01
(4F-,5S+)	F0	1.4450237E+00	G3	1.7142707E-01							
(4F-,5P-)	F0	1.3901041E+00	G2	1.6391535E-01							
(4F-,5P+)	F0	1.2771082E+00	F2	3.8323146E-01	G2	1.2008950E-01	G4	1.0882478E-01			
(4F-,5D-)	F0	1.1274146E+00	F2	2.9445979E-01	G1	8.6651983E-02	G3	8.8524621E-02			
(4F-,5D+)	F0	1.0961202E+00	F2	2.7764370E-01	F4	1.3214056E-01	G1	7.9398273E-02	G3	8.1641448E-02	G5 6.7554373E-02
(4F-,6S+)	F0	6.6990715E-01	G3	2.0971753E-02							
(4F-,6P-)	F0	5.8175228E-01	G2	1.5757756E-02							
(4F-,6P+)	F0	5.0900131E-01	F2	5.2948720E-02	G2	1.1326257E-02	G4	1.0937637E-02			
(4F-,7S+)	F0	2.1266042E-01	G3	1.4103747E-03							
(4F+,4F+)	F0	2.2721114E+00	F2	1.1585054E+00	F4	7.4477931E-01	F6	5.4126619E-01			
(4F+,5S+)	F0	1.4412188E+00	G3	1.7598125E-01							
(4F+,5P-)	F0	1.3866196E+00	G4	1.4674504E-01							
(4F+,5P+)	F0	1.2742911E+00	F2	3.8771098E-01	G2	1.2340177E-01	G4	1.1145046E-01			
(4F+,5D-)	F0	1.1252740E+00	F2	2.9812690E-01	G3	8.9921343E-02	G5	7.4175819E-02			
(4F+,5D+)	F0	1.0941170E+00	F2	2.8112736E-01	F4	1.3440044E-01	G1	8.1236514E-02	G3	8.3417238E-02	G5 6.8995288E-02
(4F+,6S+)	F0	6.6930043E-01	G3	2.1278175E-02							
(4F+,6P-)	F0	5.8131089E-01	G4	1.5304987E-02							
(4F+,6P+)	F0	5.0867747E-01	F2	5.3731191E-02	G2	1.1512397E-02	G4	1.1117885E-02			
(4F+,7S+)	F0	2.1261860E-01	G3	1.4297046E-03							
(5S+,5S+)	F0	1.1955458E+00									
(5S+,5P-)	F0	1.1655424E+00	G1	8.0683982E-01							

TABLE 1.– CONTINUED

FRANCIUM 7S1 Z=87

(5S+,5P+)	F0 1.1003943E+00	G1 7.1066061E-01				
(5S+,5D-)	F0 9.9988044E-01	G2 4.3462472E-01				
(5S+,5D+)	F0 9.7773808E-01	G2 4.0315007E-01				
(5S+,6S+)	F0 6.3323148E-01	G0 3.0321173E-02				
(5S+,6P-)	F0 5.5530634E-01	G1 3.3098503E-02				
(5S+,6P+)	F0 4.8971959E-01	G1 3.3236864E-02				
(5S+,7S+)	F0 2.1014869E-01	G0 1.8722638E-03				
(5P-,5P-)	F0 1.1380802E+00					
(5P-,5P+)	F0 1.0780682E+00	G2 5.5655709E-01				
(5P-,5D-)	F0 9.8361655E-01	G1 5.8873420E-01				
(5P-,5D+)	F0 9.6271605E-01	G3 3.4679294E-01				
(5P-,6S+)	F0 6.2935706E-01	G1 4.3741250E-02				
(5P-,6P-)	F0 5.5253004E-01	G0 2.4273756E-02				
(5P-,6P+)	F0 4.8763215E-01	G2 2.8318700E-02				
(5P-,7S+)	F0 2.0988620E-01	G1 2.7037351E-03				
(5P+,5P+)	F0 1.0292554E+00	F2 5.5495010E-01				
(5P+,5D-)	F0 9.4770557E-01	F2 4.9644706E-01	G1 6.2622432E-01	G3 3.9305287E-01		
(5P+,5D+)	F0 9.2953009E-01	F2 4.8244835E-01	G1 6.0147345E-01	G3 3.7723033E-01		
(5P+,6S+)	F0 6.2079672E-01	G1 5.6221255E-02				
(5P+,6P-)	F0 5.4640125E-01	G2 3.6212151E-02				
(5P+,6P+)	F0 4.8306824E-01	F2 1.1969648E-01	G0 1.9989164E-02	G2 2.7168203E-02		
(5P+,7S+)	F0 2.0930776E-01	G1 3.2533046E-03				
(5D-,5D-)	F0 8.8426073E-01	F2 4.6663144E-01				
(5D-,5D+)	F0 8.6989871E-01	F2 4.5863683E-01	G2 4.5758447E-01	G4 3.0933871E-01		
(5D-,6S+)	F0 6.0518093E-01	G2 1.0530187E-01				
(5D-,6P-)	F0 5.3560978E-01	G1 7.0541663E-02				
(5D-,6P+)	F0 4.7525464E-01	F2 1.4057330E-01	G1 4.0209607E-02	G3 3.8005472E-02		
(5D-,7S+)	F0 2.0828336E-01	G2 5.1363225E-03				
(5D+,5D+)	F0 8.5636580E-01	F2 4.5198824E-01	F4 3.0538813E-01			
(5D+,6S+)	F0 6.0147793E-01	G2 1.1622648E-01				
(5D+,6P-)	F0 5.3305491E-01	G3 6.6785918E-02				
(5D+,6P+)	F0 4.7342746E-01	F2 1.4518576E-01	G1 4.5096039E-02	G3 4.1428690E-02		
(5D+,7S+)	F0 2.0804475E-01	G2 5.4758841E-03				
(6S+,6S+)	F0 5.0921492E-01					
(6S+,6P-)	F0 4.6879040E-01	G1 3.1540453E-01				
(6S+,6P+)	F0 4.2883566E-01	G1 2.4838249E-01				
(6S+,7S+)	F0 2.0264255E-01	G0 6.2098169E-03				
(6P-,6P-)	F0 4.3774505E-01					
(6P-,6P+)	F0 4.0577172E-01	G2 2.0902149E-01				
(6P-,7S+)	F0 2.0039860E-01	G1 1.1865168E-02				
(6P+,6P+)	F0 3.8100367E-01	F2 2.0515987E-01				
(6P+,7S+)	F0 1.9793075E-01	G1 2.0962719E-02				

RADIUM 7S2 Z=88

(1S+,1S+)	F0 6.5720842E+01	
(1S+,2S+)	F0 2.2042297E+01	G0 2.8257940E+00
(1S+,2P-)	F0 2.6230597E+01	G1 4.2061390E+00
(1S+,2P+)	F0 2.1153363E+01	G1 3.4084851E+00
(1S+,3S+)	F0 8.9208724E+00	G0 5.8119955E-01
(1S+,3P-)	F0 9.7649889E+00	G1 8.4772564E-01
(1S+,3P+)	F0 8.3921028E+00	G1 7.7338976E-01

TABLE 1.– CONTINUED

RADIUM 7S2 Z=88

(1S+,3D-)	F0	8.4187987E+00	G2	3.0298094E-02
(1S+,3D+)	F0	8.0477677E+00	G2	3.4420560E-02
(1S+,4S+)	F0	4.0512316E+00	G0	1.5062807E-01
(1S+,4P-)	F0	4.1935888E+00	G1	2.1211936E-01
(1S+,4P+)	F0	3.6833982E+00	G1	1.9509095E-01
(1S+,4D-)	F0	3.5308934E+00	G2	8.4567394E-03
(1S+,4D+)	F0	3.3999154E+00	G2	9.6337934E-03
(1S+,4F-)	F0	3.1114371E+00	G3	3.5321470E-05
(1S+,4F+)	F0	3.0619410E+00	G3	4.4771734E-05
(1S+,5S+)	F0	1.8367230E+00	G0	3.6127388E-02
(1S+,5P-)	F0	1.7857510E+00	G1	4.7026880E-02
(1S+,5P+)	F0	1.5830514E+00	G1	4.2587068E-02
(1S+,5D-)	F0	1.3512506E+00	G2	1.4879164E-03
(1S+,5D+)	F0	1.3025086E+00	G2	1.6757305E-03
(1S+,6S+)	F0	7.6771304E-01	G0	6.5721065E-03
(1S+,6P-)	F0	6.7481994E-01	G1	7.0147253E-03
(1S+,6P+)	F0	5.8585147E-01	G1	5.8369217E-03
(1S+,7S+)	F0	2.5731185E-01	G0	6.3635556E-04
(2S+,2S+)	F0	1.5027972E+01		
(2S+,2P-)	F0	1.6374301E+01	G1	8.2045428E+00
(2S+,2P+)	F0	1.5116175E+01	G1	8.5891543E+00
(2S+,3S+)	F0	7.4705141E+00	G0	6.9616661E-01
(2S+,3P-)	F0	7.9385932E+00	G1	6.4707250E-01
(2S+,3P+)	F0	7.1952696E+00	G1	5.5567014E-01
(2S+,3D-)	F0	8.0719423E+00	G2	1.7852372E+00
(2S+,3D+)	F0	7.7814894E+00	G2	1.6736524E+00
(2S+,4S+)	F0	3.6720479E+00	G0	1.5426685E-01
(2S+,4P-)	F0	3.7389916E+00	G1	1.4589496E-01
(2S+,4P+)	F0	3.3871150E+00	G1	1.2052757E-01
(2S+,4D-)	F0	3.4422400E+00	G2	3.6420196E-01
(2S+,4D+)	F0	3.3319849E+00	G2	3.4654293E-01
(2S+,4F-)	F0	3.1092770E+00	G3	2.5039016E-02
(2S+,4F+)	F0	3.0601775E+00	G3	2.4129837E-02
(2S+,5S+)	F0	1.7455535E+00	G0	3.5693665E-02
(2S+,5P-)	F0	1.6850493E+00	G1	3.1610251E-02
(2S+,5P+)	F0	1.5186327E+00	G1	2.5473211E-02
(2S+,5D-)	F0	1.3359123E+00	G2	6.0330807E-02
(2S+,5D+)	F0	1.2908996E+00	G2	5.6892214E-02
(2S+,6S+)	F0	7.5111861E-01	G0	6.4423683E-03
(2S+,6P-)	F0	6.5980105E-01	G1	4.6938068E-03
(2S+,6P+)	F0	5.7702897E-01	G1	3.4700942E-03
(2S+,7S+)	F0	2.5570493E-01	G0	6.2305690E-04
(2P-,2P-)	F0	1.8647642E+01		
(2P-,2P+)	F0	1.6789693E+01	G2	7.0218908E+00
(2P-,3S+)	F0	7.7181755E+00	G1	7.5038189E-01
(2P-,3P-)	F0	8.3023453E+00	G0	9.4645839E-01
(2P-,3P+)	F0	7.4934364E+00	G2	7.6967985E-01
(2P-,3D-)	F0	8.2045520E+00	G1	1.7785840E+00
(2P-,3D+)	F0	7.8871092E+00	G3	8.8698544E-01
(2P-,4S+)	F0	3.7356595E+00	G1	1.7386934E-01
(2P-,4P-)	F0	3.8274403E+00	G0	2.0310819E-01
(2P-,4P+)	F0	3.4595573E+00	G2	1.7442246E-01
(2P-,4D-)	F0	3.4753565E+00	G1	3.7924668E-01
(2P-,4D+)	F0	3.3584088E+00	G3	1.9416378E-01
(2P-,4F-)	F0	3.1102577E+00	G2	1.8759944E-02

TABLE 1.– CONTINUED

RADIUM 7S2 Z=88

(2P-,4F+)	F0	3.0609881E+00	G4	1.1136324E-02				
(2P-,5S+)	F0	1.7607844E+00	G1	4.0622330E-02				
(2P-,5P-)	F0	1.7045386E+00	G0	4.3522159E-02				
(2P-,5P+)	F0	1.5343168E+00	G2	3.7179813E-02				
(2P-,5D-)	F0	1.3416155E+00	G1	6.3387677E-02				
(2P-,5D+)	F0	1.2953979E+00	G3	3.2233102E-02				
(2P-,6S+)	F0	7.5388836E-01	G1	7.3473539E-03				
(2P-,6P-)	F0	6.6270466E-01	G0	6.4484717E-03				
(2P-,6P+)	F0	5.7917527E-01	G2	5.0728076E-03				
(2P-,7S+)	F0	2.5597310E-01	G1	7.1080445E-04				
(2P+,2P+)	F0	1.5469014E+01	F2	7.3332442E+00				
(2P+,3S+)	F0	7.4805190E+00	G1	7.3603011E-01				
(2P+,3P-)	F0	7.9908190E+00	G2	8.3365932E-01				
(2P+,3P+)	F0	7.2566711E+00	F2	1.8209882E+00	G0	7.3431083E-01	G2	7.9467953E-01
(2P+,3D-)	F0	8.0880788E+00	F2	2.5139014E+00	G1	2.2148092E+00	G3	1.2739719E+00
(2P+,3D+)	F0	7.7925770E+00	F2	2.3158511E+00	G1	2.1492848E+00	G3	1.2372618E+00
(2P+,4S+)	F0	3.6742911E+00	G1	1.6578781E-01				
(2P+,4P-)	F0	3.7509553E+00	G2	1.8546238E-01				
(2P+,4P+)	F0	3.4017781E+00	F2	4.4183859E-01	G0	1.5357155E-01	G2	1.7899158E-01
(2P+,4D-)	F0	3.4471043E+00	F2	5.1903804E-01	G1	4.3445024E-01	G3	2.5809108E-01
(2P+,4D+)	F0	3.3354498E+00	F2	4.7915628E-01	G1	4.3100246E-01	G3	2.5554357E-01
(2P+,4F-)	F0	3.1091550E+00	F2	2.2392115E-01	G2	3.1965297E-02	G4	2.0638066E-02
(2P+,4F+)	F0	3.0600564E+00	F2	2.1255550E-01	G2	3.1426354E-02	G4	2.0285487E-02
(2P+,5S+)	F0	1.7460716E+00	G1	3.8503034E-02				
(2P+,5P-)	F0	1.6876475E+00	G2	4.0072685E-02				
(2P+,5P+)	F0	1.5217939E+00	F2	9.5682607E-02	G0	3.2172204E-02	G2	3.8100704E-02
(2P+,5D-)	F0	1.3367745E+00	F2	8.6715278E-02	G1	7.1537991E-02	G3	4.2769736E-02
(2P+,5D+)	F0	1.2915096E+00	F2	7.9171481E-02	G1	7.0428237E-02	G3	4.1998843E-02
(2P+,6S+)	F0	7.5121205E-01	G1	6.9550683E-03				
(2P+,6P-)	F0	6.6018700E-01	G2	5.9471899E-03				
(2P+,6P+)	F0	5.7746122E-01	F2	1.3202742E-02	G0	4.3751945E-03	G2	5.1970724E-03
(2P+,7S+)	F0	2.5571396E-01	G1	6.7272313E-04				
(3S+,3S+)	F0	5.7132303E+00						
(3S+,3P-)	F0	5.8812485E+00	G1	3.6419303E+00				
(3S+,3P+)	F0	5.5628051E+00	G1	3.5955787E+00				
(3S+,3D-)	F0	5.9355042E+00	G2	2.4036587E+00				
(3S+,3D+)	F0	5.8443481E+00	G2	2.4420480E+00				
(3S+,4S+)	F0	3.2608222E+00	G0	2.4382890E-01				
(3S+,4P-)	F0	3.2839033E+00	G1	2.5142817E-01				
(3S+,4P+)	F0	3.0179432E+00	G1	2.6577717E-01				
(3S+,4D-)	F0	3.0447181E+00	G2	1.7859273E-01				
(3S+,4D+)	F0	2.9690886E+00	G2	1.6840193E-01				
(3S+,4F-)	F0	3.0235454E+00	G3	5.0248187E-01				
(3S+,4F+)	F0	2.9818263E+00	G3	4.8469992E-01				
(3S+,5S+)	F0	1.6484403E+00	G0	4.7858989E-02				
(3S+,5P-)	F0	1.5859806E+00	G1	4.7481008E-02				
(3S+,5P+)	F0	1.4395246E+00	G1	4.9069774E-02				
(3S+,5D-)	F0	1.2703682E+00	G2	2.8740711E-02				
(3S+,5D+)	F0	1.2317311E+00	G2	2.6336483E-02				
(3S+,6S+)	F0	7.3350826E-01	G0	8.3606780E-03				
(3S+,6P-)	F0	6.4507354E-01	G1	6.8756543E-03				
(3S+,6P+)	F0	5.6622319E-01	G1	6.5273352E-03				
(3S+,7S+)	F0	2.5400058E-01	G0	8.0469728E-04				
(3P-,3P-)	F0	6.0926303E+00						
(3P-,3P+)	F0	5.7260941E+00	G2	2.6850822E+00				

TABLE 1.– CONTINUED

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(3P-,3D-)	F0	6.1458830E+00	G1	3.4003331E+00				
(3P-,3D+)	F0	6.0411274E+00	G3	2.1738556E+00				
(3P-,4S+)	F0	3.2968950E+00	G1	3.0391678E-01				
(3P-,4P-)	F0	3.3267310E+00	G0	2.7480135E-01				
(3P-,4P+)	F0	3.0526344E+00	G2	2.8181541E-01				
(3P-,4D-)	F0	3.0784127E+00	G1	1.8490752E-01				
(3P-,4D+)	F0	3.0009764E+00	G3	1.8783901E-01				
(3P-,4F-)	F0	3.0361841E+00	G2	5.6829109E-01				
(3P-,4F+)	F0	2.9935009E+00	G4	3.5785793E-01				
(3P-,5S+)	F0	1.6568579E+00	G1	6.1827312E-02				
(3P-,5P-)	F0	1.5951948E+00	G0	5.0768854E-02				
(3P-,5P+)	F0	1.4468932E+00	G2	5.4286909E-02				
(3P-,5D-)	F0	1.2758198E+00	G1	2.7851330E-02				
(3P-,5D+)	F0	1.2368302E+00	G3	2.8707110E-02				
(3P-,6S+)	F0	7.3503103E-01	G1	1.0874229E-02				
(3P-,6P-)	F0	6.4644040E-01	G0	7.3247404E-03				
(3P-,6P+)	F0	5.6722814E-01	G2	7.2750037E-03				
(3P-,7S+)	F0	2.5414790E-01	G1	1.0476569E-03				
(3P+,3P+)	F0	5.4340475E+00	F2	2.6946996E+00				
(3P+,3D-)	F0	5.7654404E+00	F2	2.6990016E+00	G1	2.8242607E+00	G3	1.8763579E+00
(3P+,3D+)	F0	5.6805476E+00	F2	2.7091451E+00	G1	2.8999148E+00	G3	1.9266227E+00
(3P+,4S+)	F0	3.2315462E+00	G1	3.0764828E-01				
(3P+,4P-)	F0	3.2558507E+00	G2	3.1195746E-01				
(3P+,4P+)	F0	2.9948424E+00	F2	8.6843207E-01	G0	2.3399716E-01	G2	2.7166328E-01
(3P+,4D-)	F0	3.0195427E+00	F2	8.6549281E-01	G1	2.0726787E-01	G3	2.0890508E-01
(3P+,4D+)	F0	2.9449422E+00	F2	8.2543461E-01	G1	1.8571549E-01	G3	1.9479963E-01
(3P+,4F-)	F0	3.0046065E+00	F2	1.0324764E+00	G2	6.9742830E-01	G4	4.6328553E-01
(3P+,4F+)	F0	2.9640127E+00	F2	1.0026890E+00	G2	6.7755050E-01	G4	4.5041631E-01
(3P+,5S+)	F0	1.6416945E+00	G1	6.0245058E-02				
(3P+,5P-)	F0	1.5800147E+00	G2	5.8892441E-02				
(3P+,5P+)	F0	1.4347039E+00	F2	1.9475521E-01	G0	4.2293421E-02	G2	5.1881708E-02
(3P+,5D-)	F0	1.2662822E+00	F2	1.5086609E-01	G1	3.2747141E-02	G3	3.3116267E-02
(3P+,5D+)	F0	1.2278645E+00	F2	1.4192972E-01	G1	2.8893054E-02	G3	3.0474112E-02
(3P+,6S+)	F0	7.3229098E-01	G1	1.0527249E-02				
(3P+,6P-)	F0	6.4419037E-01	G2	8.5309832E-03				
(3P+,6P+)	F0	5.6556773E-01	F2	2.7632795E-02	G0	5.6070157E-03	G2	6.9422466E-03
(3P+,7S+)	F0	2.5388285E-01	G1	1.0132798E-03				
(3D-,3D-)	F0	6.3276476E+00	F2	3.1973730E+00				
(3D-,3D+)	F0	6.2118205E+00	F2	3.1537836E+00	G2	3.0710311E+00	G4	1.9767095E+00
(3D-,4S+)	F0	3.3072195E+00	G2	2.8649682E-01				
(3D-,4P-)	F0	3.3347780E+00	G1	2.9588113E-01				
(3D-,4P+)	F0	3.0605212E+00	F2	7.8165647E-01	G1	2.4742929E-01	G3	2.4386838E-01
(3D-,4D-)	F0	3.1081493E+00	F2	8.2512903E-01	G0	2.6430091E-01	G2	3.2398301E-01
(3D-,4D+)	F0	3.0300682E+00	F2	7.9110087E-01	G2	3.0506565E-01	G4	2.3728719E-01
(3D-,4F-)	F0	3.0419284E+00	F2	8.6449544E-01	G1	7.0844114E-01	G3	4.1754319E-01
(3D-,4F+)	F0	2.9986084E+00	F2	8.3591577E-01	G3	3.9515686E-01	G5	2.7386344E-01
(3D-,5S+)	F0	1.6592007E+00	G2	5.8763198E-02				
(3D-,5P-)	F0	1.5968222E+00	G1	5.4946135E-02				
(3D-,5P+)	F0	1.4485256E+00	F2	1.7338343E-01	G1	4.6450654E-02	G3	4.7771781E-02
(3D-,5D-)	F0	1.2805803E+00	F2	1.4136757E-01	G0	3.7734823E-02	G2	4.9369041E-02
(3D-,5D+)	F0	1.2414613E+00	F2	1.3375766E-01	G2	4.5976255E-02	G4	3.6607123E-02
(3D-,6S+)	F0	7.3545213E-01	G2	1.0361910E-02				
(3D-,6P-)	F0	6.4667883E-01	G1	7.9384834E-03				
(3D-,6P+)	F0	5.6744967E-01	F2	2.4445262E-02	G1	6.1974302E-03	G3	6.4212305E-03
(3D-,7S+)	F0	2.5418860E-01	G2	9.9869683E-04				

TABLE 1.– CONTINUED

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(3D+,3D+)	F0	6.1041143E+00	F2	3.1195220E+00	F4	2.0390399E+00						
(3D+,4S+)	F0	3.2674053E+00	G2	2.9358688E-01								
(3D+,4P-)	F0	3.3132598E+00	G3	2.9904633E-01								
(3D+,4P+)	F0	3.0427296E+00	F2	8.0200721E-01	G1	2.4894215E-01	G3	2.5011909E-01				
(3D+,4D-)	F0	3.0883827E+00	F2	8.4109379E-01	G2	3.1200040E-01	G4	2.4676650E-01				
(3D+,4D+)	F0	3.0116327E+00	F2	8.0638715E-01	F4	3.9143112E-01	G0	2.4947854E-01	G2	3.1235010E-01	G4	2.4497658E-01
(3D+,4F-)	F0	3.0343042E+00	F2	9.0069910E-01	F4	4.6531005E-01	G1	7.3992229E-01	G3	4.3733279E-01	G5	3.0312780E-01
(3D+,4F+)	F0	2.9915190E+00	F2	8.7164932E-01	F4	4.4637316E-01	G1	7.2347164E-01	G3	4.2768594E-01	G5	2.9646239E-01
(3D+,5S+)	F0	1.6545753E+00	G2	5.9502247E-02								
(3D+,5P-)	F0	1.5921876E+00	G3	5.7802907E-02								
(3D+,5P+)	F0	1.4447483E+00	F2	1.7830987E-01	G1	4.6440137E-02	G3	4.8765959E-02				
(3D+,5D-)	F0	1.2773488E+00	F2	1.4450279E-01	G2	4.7324664E-02	G4	3.8381832E-02				
(3D+,5D+)	F0	1.2384822E+00	F2	1.3670776E-01	F4	5.9482975E-02	G0	3.5149469E-02	G2	4.6982682E-02	G4	3.7740958E-02
(3D+,6S+)	F0	7.3461529E-01	G2	1.0471993E-02								
(3D+,6P-)	F0	6.4599118E-01	G3	8.4117844E-03								
(3D+,6P+)	F0	5.6693454E-01	F2	2.5174597E-02	G1	6.1898452E-03	G3	6.5498485E-03				
(3D+,7S+)	F0	2.5410764E-01	G2	1.0090282E-03								
(4S+,4S+)	F0	2.6063881E+00										
(4S+,4P-)	F0	2.6104015E+00	G1	1.7484506E+00								
(4S+,4P+)	F0	2.4759938E+00	G1	1.6329482E+00								
(4S+,4D-)	F0	2.4817249E+00	G2	1.2263277E+00								
(4S+,4D+)	F0	2.4419723E+00	G2	1.2013437E+00								
(4S+,4F-)	F0	2.4642617E+00	G3	8.8081341E-01								
(4S+,4F+)	F0	2.4453956E+00	G3	8.7823471E-01								
(4S+,5S+)	F0	1.5103030E+00	G0	9.3338267E-02								
(4S+,5P-)	F0	1.4545708E+00	G1	1.0505884E-01								
(4S+,5P+)	F0	1.3325152E+00	G1	1.1538293E-01								
(4S+,5D-)	F0	1.1842220E+00	G2	7.7414793E-02								
(4S+,5D+)	F0	1.1514717E+00	G2	7.9527091E-02								
(4S+,6S+)	F0	7.0884569E-01	G0	1.4083031E-02								
(4S+,6P-)	F0	6.2580503E-01	G1	1.3617457E-02								
(4S+,6P+)	F0	5.5176328E-01	G1	1.3863410E-02								
(4S+,7S+)	F0	2.5161895E-01	G0	1.3286761E-03								
(4P-,4P-)	F0	2.6161392E+00										
(4P-,4P+)	F0	2.4792332E+00	G2	1.2303924E+00								
(4P-,4D-)	F0	2.4854496E+00	G1	1.6013560E+00								
(4P-,4D+)	F0	2.4451192E+00	G3	9.7551295E-01								
(4P-,4F-)	F0	2.4665500E+00	G2	1.0767112E+00								
(4P-,4F+)	F0	2.4474797E+00	G4	7.5308633E-01								
(4P-,5S+)	F0	1.5113936E+00	G1	1.2431061E-01								
(4P-,5P-)	F0	1.4559606E+00	G0	9.1978919E-02								
(4P-,5P+)	F0	1.3334972E+00	G2	1.0784731E-01								
(4P-,5D-)	F0	1.1850496E+00	G1	8.7902099E-02								
(4P-,5D+)	F0	1.1522070E+00	G3	7.4136796E-02								
(4P-,6S+)	F0	7.0904485E-01	G1	1.9214824E-02								
(4P-,6P-)	F0	6.2601137E-01	G0	1.1644284E-02								
(4P-,6P+)	F0	5.5189920E-01	G2	1.3287007E-02								
(4P-,7S+)	F0	2.5163824E-01	G1	1.8187378E-03								
(4P+,4P+)	F0	2.3675510E+00	F2	1.2327374E+00								
(4P+,4D-)	F0	2.3694231E+00	F2	1.2103447E+00	G1	1.5017077E+00	G3	9.5407937E-01				
(4P+,4D+)	F0	2.3357816E+00	F2	1.1967795E+00	G1	1.5016477E+00	G3	9.5095235E-01				
(4P+,4F-)	F0	2.3471274E+00	F2	1.1742162E+00	G2	9.7385421E-01	G4	6.9559389E-01				
(4P+,4F+)	F0	2.3310480E+00	F2	1.1703712E+00	G2	9.7758578E-01	G4	6.9757896E-01				
(4P+,5S+)	F0	1.4866242E+00	G1	1.3667885E-01								
(4P+,5P-)	F0	1.4328163E+00	G2	1.2349815E-01								

TABLE 1.– CONTINUED

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(4P+,5P+)	F0	1.3144761E+00	F2	3.9065479E-01	G0	8.0553065E-02	G2	1.0315262E-01			
(4P+,5D-)	F0	1.1699021E+00	F2	3.0144586E-01	G1	6.6564187E-02	G3	6.5996383E-02			
(4P+,5D+)	F0	1.1379286E+00	F2	2.6480731E-01	G1	6.8516228E-02	G3	6.5220630E-02			
(4P+,6S+)	F0	7.0469942E-01	G1	1.9949575E-02							
(4P+,6P-)	F0	6.2266851E-01	G2	1.5899666E-02							
(4P+,6P+)	F0	5.4936582E-01	F2	5.9952268E-02	G0	9.4066708E-03	G2	1.2604697E-02			
(4P+,7S+)	F0	2.5121962E-01	G1	1.8758084E-03							
(4D-,4D-)	F0	2.3772229E+00	F2	1.2050213E+00							
(4D-,4D+)	F0	2.3423915E+00	F2	1.1884279E+00	G2	1.1812317E+00	G4	7.9607692E-01			
(4D-,4F-)	F0	2.3536852E+00	F2	1.1667847E+00	G1	1.3318569E+00	G3	8.5634392E-01			
(4D-,4F+)	F0	2.3371444E+00	F2	1.1623282E+00	G3	8.5213104E-01	G5	6.1344608E-01			
(4D-,5S+)	F0	1.4873020E+00	G2	1.5800906E-01							
(4D-,5P-)	F0	1.4335981E+00	G1	1.3695065E-01							
(4D-,5P+)	F0	1.3151234E+00	F2	3.9005834E-01	G1	1.0493396E-01	G3	1.0516779E-01			
(4D-,5D-)	F0	1.1714011E+00	F2	3.0404345E-01	G0	7.0954822E-02	G2	8.6003409E-02			
(4D-,5D+)	F0	1.1393225E+00	F2	2.8713543E-01	G2	8.2556575E-02	G4	6.9107625E-02			
(4D-,6S+)	F0	7.0484361E-01	G2	2.2537354E-02							
(4D-,6P-)	F0	6.2279282E-01	G1	1.6261325E-02							
(4D-,6P+)	F0	5.4945760E-01	F2	5.9982183E-02	G1	1.2303078E-02	G3	1.2813440E-02			
(4D-,7S+)	F0	2.5123379E-01	G2	2.1164005E-03							
(4D+,4D+)	F0	2.3094754E+00	F2	1.1748630E+00	F4	7.9146398E-01					
(4D+,4F-)	F0	2.3185519E+00	F2	1.1456288E+00	F4	7.4001334E-01	G1	1.2557089E+00	G3	8.2989145E-01	G5 5.9879556E-01
(4D+,4F+)	F0	2.3028304E+00	F2	1.1421583E+00	F4	7.3909279E-01	G1	1.2625539E+00	G3	8.3371595E-01	G5 6.0138590E-01
(4D+,5S+)	F0	1.4796921E+00	G2	1.6846807E-01							
(4D+,5P-)	F0	1.4265454E+00	G3	1.4266228E-01							
(4D+,5P+)	F0	1.3093627E+00	F2	3.9949553E-01	G1	1.0788232E-01	G3	1.0876394E-01			
(4D+,5D-)	F0	1.1668484E+00	F2	3.1141577E-01	G2	8.5635813E-02	G4	7.3033104E-02			
(4D+,5D+)	F0	1.1350491E+00	F2	2.9407534E-01	F4	1.3721747E-01	G0	6.7722135E-02	G2	8.2726882E-02	G4 6.9883112E-02
(4D+,6S+)	F0	7.0351907E-01	G2	2.3391180E-02							
(4D+,6P-)	F0	6.2177952E-01	G3	1.7688472E-02							
(4D+,6P+)	F0	5.4869186E-01	F2	6.1727922E-02	G1	1.2473713E-02	G3	1.3125078E-02			
(4D+,7S+)	F0	2.5110630E-01	G2	2.1906179E-03							
(4F-,4F-)	F0	2.3603822E+00	F2	1.2041097E+00	F4	7.7432813E-01					
(4F-,4F+)	F0	2.3431699E+00	F2	1.1963018E+00	F4	7.6950278E-01	G2	1.1870676E+00	G4	7.6383413E-01	G6 5.5533528E-01
(4F-,5S+)	F0	1.4807313E+00	G3	1.7414452E-01							
(4F-,5P-)	F0	1.4274540E+00	G2	1.6712723E-01							
(4F-,5P+)	F0	1.3103880E+00	F2	3.9379059E-01	G2	1.2204580E-01	G4	1.1112236E-01			
(4F-,5D-)	F0	1.1678545E+00	F2	3.0852641E-01	G1	9.0318993E-02	G3	9.2781684E-02			
(4F-,5D+)	F0	1.1360316E+00	F2	2.9126805E-01	F4	1.3918765E-01	G1	8.2949641E-02	G3	8.5721854E-02	G5 7.1096303E-02
(4F-,6S+)	F0	7.0381801E-01	G3	2.2863131E-02							
(4F-,6P-)	F0	6.2197714E-01	G2	1.7929829E-02							
(4F-,6P+)	F0	5.4885541E-01	F2	6.1178842E-02	G2	1.3200655E-02	G4	1.2801269E-02			
(4F-,7S+)	F0	2.5113605E-01	G3	2.1377067E-03							
(4F+,4F+)	F0	2.3263952E+00	F2	1.1890196E+00	F4	7.6508297E-01	F6	5.5623975E-01			
(4F+,5S+)	F0	1.4767769E+00	G3	1.7879470E-01							
(4F+,5P-)	F0	1.4238106E+00	G4	1.5022786E-01							
(4F+,5P+)	F0	1.3074445E+00	F2	3.9842856E-01	G2	1.2537763E-01	G4	1.1379037E-01			
(4F+,5D-)	F0	1.1655573E+00	F2	3.1235999E-01	G3	9.4183741E-02	G5	7.7887651E-02			
(4F+,5D+)	F0	1.1338782E+00	F2	2.9491172E-01	F4	1.4155718E-01	G1	8.4801409E-02	G3	8.7558795E-02	G5 7.2599303E-02
(4F+,6S+)	F0	7.0314181E-01	G3	2.3195292E-02							
(4F+,6P-)	F0	6.2146140E-01	G4	1.7479287E-02							
(4F+,6P+)	F0	5.4846743E-01	F2	6.2073110E-02	G2	1.3413307E-02	G4	1.3010223E-02			
(4F+,7S+)	F0	2.5107105E-01	G3	2.1665580E-03							
(5S+,5S+)	F0	1.2250516E+00									
(5S+,5P-)	F0	1.1959290E+00	G1	8.2787657E-01							

TABLE 1.– CONTINUED

RADIUM 7S2 Z=88

(5S+,5P+)	F0	1.1285227E+00	G1	7.2780485E-01				
(5S+,5D-)	F0	1.0330818E+00	G2	4.5349533E-01				
(5S+,5D+)	F0	1.0107273E+00	G2	4.2111307E-01				
(5S+,6S+)	F0	6.6353555E-01	G0	3.2878684E-02				
(5S+,6P-)	F0	5.9155291E-01	G1	3.7200737E-02				
(5S+,6P+)	F0	5.2611835E-01	G1	3.8374230E-02				
(5S+,7S+)	F0	2.4729172E-01	G0	2.7909389E-03				
(5P-,5P-)	F0	1.1691661E+00						
(5P-,5P+)	F0	1.1068415E+00	G2	5.7007367E-01				
(5P-,5D-)	F0	1.0169097E+00	G1	6.1182429E-01				
(5P-,5D+)	F0	9.9577122E-01	G3	3.6112545E-01				
(5P-,6S+)	F0	6.5951717E-01	G1	4.7213059E-02				
(5P-,6P-)	F0	5.8854089E-01	G0	2.7365442E-02				
(5P-,6P+)	F0	5.2379802E-01	G2	3.2812652E-02				
(5P-,7S+)	F0	2.4691286E-01	G1	4.0184016E-03				
(5P+,5P+)	F0	1.0562856E+00	F2	5.6958994E-01				
(5P+,5D-)	F0	9.7890476E-01	F2	5.1428321E-01	G1	6.4969497E-01	G3	4.0844925E-01
(5P+,5D+)	F0	9.6061497E-01	F2	5.0034905E-01	G1	6.2511356E-01	G3	3.9267816E-01
(5P+,6S+)	F0	6.5006012E-01	G1	6.0522799E-02				
(5P+,6P-)	F0	5.8145095E-01	G2	4.0956853E-02				
(5P+,6P+)	F0	5.1839139E-01	F2	1.3529690E-01	G0	2.3015470E-02	G2	3.1397814E-02
(5P+,7S+)	F0	2.4602364E-01	G1	4.7902976E-03				
(5D-,5D-)	F0	9.1772960E-01	F2	4.8504139E-01				
(5D-,5D+)	F0	9.0307863E-01	F2	4.7691999E-01	G2	4.7576400E-01	G4	3.2235277E-01
(5D-,6S+)	F0	6.3445806E-01	G2	1.0913211E-01				
(5D-,6P-)	F0	5.7014055E-01	G1	7.5661785E-02				
(5D-,6P+)	F0	5.0998540E-01	F2	1.5615926E-01	G1	4.4106962E-02	G3	4.2344230E-02
(5D-,7S+)	F0	2.4459885E-01	G2	7.2957485E-03				
(5D+,5D+)	F0	8.8927394E-01	F2	4.7019739E-01	F4	3.1842403E-01		
(5D+,6S+)	F0	6.3057495E-01	G2	1.2044986E-01				
(5D+,6P-)	F0	5.6732939E-01	G3	7.2511604E-02				
(5D+,6P+)	F0	5.0791912E-01	F2	1.6102105E-01	G1	4.9150558E-02	G3	4.5943126E-02
(5D+,7S+)	F0	2.4424991E-01	G2	7.7644951E-03				
(6S+,6S+)	F0	5.3558563E-01						
(6S+,6P-)	F0	4.9836673E-01	G1	3.3816378E-01				
(6S+,6P+)	F0	4.5894534E-01	G1	2.6979116E-01				
(6S+,7S+)	F0	2.3651173E-01	G0	8.6160901E-03				
(6P-,6P-)	F0	4.6903277E-01						
(6P-,6P+)	F0	4.3688447E-01	G2	2.2623601E-01				
(6P-,7S+)	F0	2.3368188E-01	G1	1.5398531E-02				
(6P+,6P+)	F0	4.1181078E-01	F2	2.2336320E-01				
(6P+,7S+)	F0	2.3044892E-01	G1	2.5767419E-02				
(7S+,7S+)	F0	1.8569808E-01						

ACTINIUM 6D1 Z=89

(1S+,1S+)	F0	6.6833976E+01		
(1S+,2S+)	F0	2.2450165E+01	G0	2.8991029E+00
(1S+,2P-)	F0	2.6746587E+01	G1	4.2641090E+00
(1S+,2P+)	F0	2.1432457E+01	G1	3.4354297E+00
(1S+,3S+)	F0	9.0848122E+00	G0	5.9736508E-01
(1S+,3P-)	F0	9.9537768E+00	G1	8.6088576E-01

TABLE 1.– CONTINUED

ACTINIUM 6D1 Z=89

(1S+,3P+)	F0	8.5161034E+00	G1	7.8352070E-01
(1S+,3D-)	F0	8.5446713E+00	G2	3.0370742E-02
(1S+,3D+)	F0	8.1589959E+00	G2	3.4675081E-02
(1S+,4S+)	F0	4.1312994E+00	G0	1.5554704E-01
(1S+,4P-)	F0	4.2816276E+00	G1	2.1659276E-01
(1S+,4P+)	F0	3.7480003E+00	G1	1.9899145E-01
(1S+,4D-)	F0	3.5977724E+00	G2	8.5636135E-03
(1S+,4D+)	F0	3.4616226E+00	G2	9.8095474E-03
(1S+,4F-)	F0	3.1796849E+00	G3	3.6278141E-05
(1S+,4F+)	F0	3.1282886E+00	G3	4.6373518E-05
(1S+,5S+)	F0	1.8852469E+00	G0	3.7932787E-02
(1S+,5P-)	F0	1.8384512E+00	G1	4.9026513E-02
(1S+,5P+)	F0	1.6267907E+00	G1	4.4473871E-02
(1S+,5D-)	F0	1.4021522E+00	G2	1.5742008E-03
(1S+,5D+)	F0	1.3517766E+00	G2	1.7864473E-03
(1S+,6S+)	F0	8.0610302E-01	G0	7.3132283E-03
(1S+,6P-)	F0	7.1803673E-01	G1	7.9573794E-03
(1S+,6P+)	F0	6.2503101E-01	G1	6.7127874E-03
(1S+,6D-)	F0	3.6574103E-01	G2	9.4335866E-05
(1S+,7S+)	F0	2.8145817E-01	G0	7.8781469E-04
(2S+,2S+)	F0	1.5286328E+01		
(2S+,2P-)	F0	1.6664689E+01	G1	8.3219336E+00
(2S+,2P+)	F0	1.5343736E+01	G1	8.7198277E+00
(2S+,3S+)	F0	7.5992653E+00	G0	7.1194780E-01
(2S+,3P-)	F0	8.0799286E+00	G1	6.5954811E-01
(2S+,3P+)	F0	7.3026955E+00	G1	5.6600029E-01
(2S+,3D-)	F0	8.1934293E+00	G2	1.8029836E+00
(2S+,3D+)	F0	7.8912089E+00	G2	1.6878205E+00
(2S+,4S+)	F0	3.7409930E+00	G0	1.5852388E-01
(2S+,4P-)	F0	3.8125379E+00	G1	1.4953147E-01
(2S+,4P+)	F0	3.4456020E+00	G1	1.2337691E-01
(2S+,4D-)	F0	3.5070719E+00	G2	3.7154724E-01
(2S+,4D+)	F0	3.3925738E+00	G2	3.5328875E-01
(2S+,4F-)	F0	3.1774515E+00	G3	2.5775986E-02
(2S+,4F+)	F0	3.1264742E+00	G3	2.4837720E-02
(2S+,5S+)	F0	1.7898215E+00	G0	3.7283857E-02
(2S+,5P-)	F0	1.7323520E+00	G1	3.3071054E-02
(2S+,5P+)	F0	1.5594799E+00	G1	2.6676558E-02
(2S+,5D-)	F0	1.3857614E+00	G2	6.4234960E-02
(2S+,5D+)	F0	1.3394263E+00	G2	6.0661249E-02
(2S+,6S+)	F0	7.8769454E-01	G0	7.1299144E-03
(2S+,6P-)	F0	7.0081840E-01	G1	5.3423316E-03
(2S+,6P+)	F0	6.1487935E-01	G1	4.0004244E-03
(2S+,6D-)	F0	3.6476113E-01	G2	3.8163736E-03
(2S+,7S+)	F0	2.7947493E-01	G0	7.6705332E-04
(2P-,2P-)	F0	1.8995213E+01		
(2P-,2P+)	F0	1.7043069E+01	G2	7.0979441E+00
(2P-,3S+)	F0	7.8536591E+00	G1	7.6382737E-01
(2P-,3P-)	F0	8.4538458E+00	G0	9.6958306E-01
(2P-,3P+)	F0	7.6072565E+00	G2	7.8201767E-01
(2P-,3D-)	F0	8.3282695E+00	G1	1.7944331E+00
(2P-,3D+)	F0	7.9979492E+00	G3	8.9149877E-01
(2P-,4S+)	F0	3.8066597E+00	G1	1.7781704E-01
(2P-,4P-)	F0	3.9039705E+00	G0	2.0921792E-01
(2P-,4P+)	F0	3.5200935E+00	G2	1.7830902E-01

TABLE 1.– CONTINUED

ACTINIUM 6D1 Z=89

(2P-,4D-)	F0	3.5410923E+00	G1	3.8662402E-01				
(2P-,4D+)	F0	3.4195663E+00	G3	1.9727349E-01				
(2P-,4F-)	F0	3.1784695E+00	G2	1.9274272E-02				
(2P-,4F+)	F0	3.1273118E+00	G4	1.1424539E-02				
(2P-,5S+)	F0	1.8058090E+00	G1	4.2232127E-02				
(2P-,5P-)	F0	1.7529212E+00	G0	4.5757260E-02				
(2P-,5P+)	F0	1.5759902E+00	G2	3.8898029E-02				
(2P-,5D-)	F0	1.3918804E+00	G1	6.7457255E-02				
(2P-,5D+)	F0	1.3442354E+00	G3	3.4258902E-02				
(2P-,6S+)	F0	7.9077577E-01	G1	8.0936991E-03				
(2P-,6P-)	F0	7.0415278E-01	G0	7.3747588E-03				
(2P-,6P+)	F0	6.1736728E-01	G2	5.8431144E-03				
(2P-,6D-)	F0	3.6512671E-01	G1	4.0130238E-03				
(2P-,7S+)	F0	2.7980684E-01	G1	8.7104523E-04				
(2P+,2P+)	F0	1.5669004E+01	F2	7.4266492E+00				
(2P+,3S+)	F0	7.6033976E+00	G1	7.4961523E-01				
(2P+,3P-)	F0	8.1255718E+00	G2	8.5009803E-01				
(2P+,3P+)	F0	7.3597062E+00	F2	1.8491839E+00	G0	7.4641811E-01	G2	8.0754765E-01
(2P+,3D-)	F0	8.2065810E+00	F2	2.5553934E+00	G1	2.2494898E+00	G3	1.2938810E+00
(2P+,3D+)	F0	7.8997021E+00	F2	2.3496130E+00	G1	2.1818877E+00	G3	1.2560182E+00
(2P+,4S+)	F0	3.7417173E+00	G1	1.6944084E-01				
(2P+,4P-)	F0	3.8229146E+00	G2	1.8990404E-01				
(2P+,4P+)	F0	3.4592845E+00	F2	4.5138839E-01	G0	1.5698984E-01	G2	1.8298333E-01
(2P+,4D-)	F0	3.5112848E+00	F2	5.3198973E-01	G1	4.4472021E-01	G3	2.6424519E-01
(2P+,4D+)	F0	3.3954587E+00	F2	4.9041916E-01	G1	4.4145596E-01	G3	2.6177832E-01
(2P+,4F-)	F0	3.1772900E+00	F2	2.3172203E-01	G2	3.3343722E-02	G4	2.1529031E-02
(2P+,4F+)	F0	3.1263188E+00	F2	2.1974940E-01	G2	3.2791350E-02	G4	2.1167431E-02
(2P+,5S+)	F0	1.7899773E+00	G1	3.9991059E-02				
(2P+,5P-)	F0	1.7346446E+00	G2	4.1872309E-02				
(2P+,5P+)	F0	1.5624983E+00	F2	9.9981166E-02	G0	3.3648135E-02	G2	3.9860263E-02
(2P+,5D-)	F0	1.3865470E+00	F2	9.2648707E-02	G1	7.6388355E-02	G3	4.5685969E-02
(2P+,5D+)	F0	1.3399632E+00	F2	8.4637972E-02	G1	7.5414602E-02	G3	4.4984741E-02
(2P+,6S+)	F0	7.8772367E-01	G1	7.6535797E-03				
(2P+,6P-)	F0	7.0118864E-01	G2	6.7599282E-03				
(2P+,6P+)	F0	6.1533375E-01	F2	1.5167082E-02	G0	5.0369695E-03	G2	5.9859428E-03
(2P+,6D-)	F0	3.6480830E-01	F2	5.5811715E-03	G1	4.5344900E-03	G3	2.7144621E-03
(2P+,7S+)	F0	2.7947806E-01	G1	8.2349447E-04				
(3S+,3S+)	F0	5.8090093E+00						
(3S+,3P-)	F0	5.9816749E+00	G1	3.6988484E+00				
(3S+,3P+)	F0	5.6482944E+00	G1	3.6476220E+00				
(3S+,3D-)	F0	6.0298699E+00	G2	2.4442950E+00				
(3S+,3D+)	F0	5.9347068E+00	G2	2.4836780E+00				
(3S+,4S+)	F0	3.3198634E+00	G0	2.4933558E-01				
(3S+,4P-)	F0	3.3456736E+00	G1	2.5676218E-01				
(3S+,4P+)	F0	3.0687053E+00	G1	2.7239892E-01				
(3S+,4D-)	F0	3.1004892E+00	G2	1.8230420E-01				
(3S+,4D+)	F0	3.0221677E+00	G2	1.7199669E-01				
(3S+,4F-)	F0	3.0890884E+00	G3	5.1713472E-01				
(3S+,4F+)	F0	3.0458738E+00	G3	4.9865507E-01				
(3S+,5S+)	F0	1.6887033E+00	G0	4.9692927E-02				
(3S+,5P-)	F0	1.6285950E+00	G1	4.9432878E-02				
(3S+,5P+)	F0	1.4768049E+00	G1	5.1392594E-02				
(3S+,5D-)	F0	1.3158035E+00	G2	3.0575607E-02				
(3S+,5D+)	F0	1.2762743E+00	G2	2.8065424E-02				
(3S+,6S+)	F0	7.6626293E-01	G0	9.1880330E-03				

TABLE 1.– CONTINUED

ACTINIUM 601 Z=89

(3S+,6P-)	F0	6.8403704E-01	G1	7.7788669E-03				
(3S+,6P+)	F0	6.0244485E-01	G1	7.5168964E-03				
(3S+,6D-)	F0	3.6060655E-01	G2	1.8109475E-03				
(3S+,7S+)	F0	2.7738276E-01	G0	9.8317775E-04				
(3P-,3P-)	F0	6.1991347E+00						
(3P-,3P+)	F0	5.8150409E+00	G2	2.7180756E+00				
(3P-,3D-)	F0	6.2451755E+00	G1	3.4597348E+00				
(3P-,3D+)	F0	6.1357284E+00	G3	2.2091787E+00				
(3P-,4S+)	F0	3.3571237E+00	G1	3.1018343E-01				
(3P-,4P-)	F0	3.3899816E+00	G0	2.8153910E-01				
(3P-,4P+)	F0	3.1044087E+00	G2	2.8773482E-01				
(3P-,4D-)	F0	3.1353123E+00	G1	1.8938260E-01				
(3P-,4D+)	F0	3.0550883E+00	G3	1.9225596E-01				
(3P-,4F-)	F0	3.1022614E+00	G2	5.8428995E-01				
(3P-,4F+)	F0	3.0580228E+00	G4	3.6765977E-01				
(3P-,5S+)	F0	1.6975429E+00	G1	6.4084518E-02				
(3P-,5P-)	F0	1.6383259E+00	G0	5.3027779E-02				
(3P-,5P+)	F0	1.4845678E+00	G2	5.6675740E-02				
(3P-,5D-)	F0	1.3216810E+00	G1	2.9681383E-02				
(3P-,5D+)	F0	1.2817769E+00	G3	3.0661030E-02				
(3P-,6S+)	F0	7.6995739E-01	G1	1.1931824E-02				
(3P-,6P-)	F0	6.8560736E-01	G0	8.3129481E-03				
(3P-,6P+)	F0	6.0361052E-01	G2	8.3547146E-03				
(3P-,6D-)	F0	3.6095473E-01	G1	1.7427785E-03				
(3P-,7S+)	F0	2.7756513E-01	G1	1.2781843E-03				
(3P+,3P+)	F0	5.5109640E+00	F2	2.7315538E+00				
(3P+,3D-)	F0	5.8484513E+00	F2	2.7360014E+00	G1	2.8594469E+00	G3	1.9002332E+00
(3P+,3D+)	F0	5.7602535E+00	F2	2.7466195E+00	G1	2.9382040E+00	G3	1.9525959E+00
(3P+,4S+)	F0	3.2883634E+00	G1	3.1453447E-01				
(3P+,4P-)	F0	3.3152766E+00	G2	3.1965735E-01				
(3P+,4P+)	F0	3.0437899E+00	F2	8.8436527E-01	G0	2.3877329E-01	G2	2.7696911E-01
(3P+,4D-)	F0	3.0733622E+00	F2	8.8393433E-01	G1	2.1249193E-01	G3	2.1389171E-01
(3P+,4D+)	F0	2.9961711E+00	F2	8.4240322E-01	G1	1.8987391E-01	G3	1.9914782E-01
(3P+,4F-)	F0	3.0687270E+00	F2	1.0620729E+00	G2	7.2069557E-01	G4	4.7884710E-01
(3P+,4F+)	F0	3.0267469E+00	F2	1.0311135E+00	G2	7.0008774E-01	G4	4.6551245E-01
(3P+,5S+)	F0	1.6813231E+00	G1	6.2442628E-02				
(3P+,5P-)	F0	1.6219949E+00	G2	6.1439852E-02				
(3P+,5P+)	F0	1.4714817E+00	F2	2.0248230E-01	G0	4.4092862E-02	G2	5.4070680E-02
(3P+,5D-)	F0	1.3112113E+00	F2	1.6012555E-01	G1	3.5007582E-02	G3	3.5351815E-02
(3P+,5D+)	F0	1.2719238E+00	F2	1.5081148E-01	G1	3.0866055E-02	G3	3.2547673E-02
(3P+,6S+)	F0	7.6685181E-01	G1	1.1545516E-02				
(3P+,6P-)	F0	6.8297414E-01	G2	9.6696615E-03				
(3P+,6P+)	F0	6.0164803E-01	F2	3.1464665E-02	G0	6.4265617E-03	G2	7.9578396E-03
(3P+,6D-)	F0	3.6033440E-01	F2	1.0101816E-02	G1	2.0672073E-03	G3	2.0878288E-03
(3P+,7S+)	F0	2.7723095E-01	G1	1.2354677E-03				
(3D-,3D-)	F0	6.4214608E+00	F2	3.2443994E+00				
(3D-,3D+)	F0	6.3010222E+00	F2	3.1990455E+00	G2	3.1128394E+00	G4	2.0037368E+00
(3D-,4S+)	F0	3.3661323E+00	G2	2.9270818E-01				
(3D-,4P-)	F0	3.3964962E+00	G1	3.0272368E-01				
(3D-,4P+)	F0	3.1111190E+00	F2	7.9582252E-01	G1	2.5202704E-01	G3	2.4839704E-01
(3D-,4D-)	F0	3.1644234E+00	F2	8.4272868E-01	G0	2.7027765E-01	G2	3.3135448E-01
(3D-,4D+)	F0	3.0836121E+00	F2	8.0752378E-01	G2	3.1166156E-01	G4	2.4243994E-01
(3D-,4F-)	F0	3.1076616E+00	F2	8.8938925E-01	G1	7.3179486E-01	G3	4.3139848E-01
(3D-,4F+)	F0	3.0627899E+00	F2	8.5958840E-01	G3	4.0790147E-01	G5	2.8272992E-01
(3D-,5S+)	F0	1.6996088E+00	G2	6.0935775E-02				

TABLE 1.– CONTINUED

ACTINIUM 6D1 Z=89

(3D-,5P-)	F0	1.6396449E+00	G1	5.7254906E-02								
(3D-,5P+)	F0	1.4859821E+00	F2	1.8027286E-01	G1	4.8361547E-02	G3	4.9758952E-02				
(3D-,5D-)	F0	1.3265374E+00	F2	1.5013357E-01	G0	4.0161544E-02	G2	5.2609418E-02				
(3D-,5D+)	F0	1.2865209E+00	F2	1.4224522E-01	G2	4.9035613E-02	G4	3.9063231E-02				
(3D-,6S+)	F0	7.7035026E-01	G2	1.1374526E-02								
(3D-,6P-)	F0	6.8581663E-01	G1	8.9871452E-03								
(3D-,6P+)	F0	6.6382156E-01	F2	2.7856209E-02	G1	7.0959416E-03	G3	7.3582069E-03				
(3D-,6D-)	F0	3.6124189E-01	F2	9.3552308E-03	G0	2.3392149E-03	G2	3.0907488E-03				
(3D-,7S+)	F0	2.7760736E-01	G2	1.2190078E-03								
(3D+,3D+)	F0	6.1892307E+00	F2	3.1636239E+00	F4	2.0375938E+00						
(3D+,4S+)	F0	3.3453501E+00	G2	3.0017726E-01								
(3D+,4P-)	F0	3.3738938E+00	G3	3.0612783E-01								
(3D+,4P+)	F0	3.0925071E+00	F2	8.1698447E-01	G1	2.5358999E-01	G3	2.5491317E-01				
(3D+,4D-)	F0	3.1436850E+00	F2	8.5934167E-01	G2	3.1878613E-01	G4	2.5225203E-01				
(3D+,4D+)	F0	3.0642951E+00	F2	8.2342168E-01	F4	4.0019444E-01	G0	2.5484006E-01	G2	3.1929892E-01	G4	2.5050092E-01
(3D+,4F-)	F0	3.0995734E+00	F2	9.2740498E-01	F4	4.8050139E-01	G1	7.6482039E-01	G3	4.5218535E-01	G5	3.1346200E-01
(3D+,4F+)	F0	3.0552792E+00	F2	8.9711715E-01	F4	4.6069586E-01	G1	7.4789125E-01	G3	4.4225824E-01	G5	3.0660304E-01
(3D+,5S+)	F0	1.6946771E+00	G2	6.1719034E-02								
(3D+,5P-)	F0	1.6346761E+00	G3	6.0280073E-02								
(3D+,5P+)	F0	1.4819377E+00	F2	1.8549086E-01	G1	4.8345721E-02	G3	5.0817054E-02				
(3D+,5D-)	F0	1.3230002E+00	F2	1.5350708E-01	G2	5.0371156E-02	G4	4.0891260E-02				
(3D+,5D+)	F0	1.2832576E+00	F2	1.4542284E-01	F4	6.3528464E-02	G0	3.7436991E-02	G2	5.0136299E-02	G4	4.0304140E-02
(3D+,6S+)	F0	7.6940481E-01	G2	1.1497116E-02								
(3D+,6P-)	F0	6.8501460E-01	G3	9.5334643E-03								
(3D+,6P+)	F0	6.6321430E-01	F2	2.8698264E-02	G1	7.0860476E-03	G3	7.5085205E-03				
(3D+,6D-)	F0	3.6103206E-01	F2	9.5878520E-03	G2	2.9574228E-03	G4	2.4090195E-03				
(3D+,7S+)	F0	2.7750560E-01	G2	1.2317558E-03								
(4S+,4S+)	F0	2.6537672E+00										
(4S+,4P-)	F0	2.6589446E+00	G1	1.7796473E+00								
(4S+,4P+)	F0	2.5187732E+00	G1	1.6582054E+00								
(4S+,4D-)	F0	2.5272404E+00	G2	1.2484574E+00								
(4S+,4D+)	F0	2.4860292E+00	G2	1.2224191E+00								
(4S+,4F-)	F0	2.5155896E+00	G3	8.9972021E-01								
(4S+,4F+)	F0	2.4961814E+00	G3	8.9734759E-01								
(4S+,5S+)	F0	1.5457410E+00	G0	9.6351475E-02								
(4S+,5P-)	F0	1.4918250E+00	G1	1.0867141E-01								
(4S+,5P+)	F0	1.3655928E+00	G1	1.1997103E-01								
(4S+,5D-)	F0	1.2242709E+00	G2	8.1746501E-02								
(4S+,5D+)	F0	1.1909081E+00	G2	8.4201488E-02								
(4S+,6S+)	F0	7.4122519E-01	G0	1.5332311E-02								
(4S+,6P-)	F0	6.6222867E-01	G1	1.5248986E-02								
(4S+,6P+)	F0	5.8590423E-01	G1	1.5790237E-02								
(4S+,6D-)	F0	3.5521120E-01	G2	4.4395832E-03								
(4S+,7S+)	F0	2.7447873E-01	G0	1.6349280E-03								
(4P-,4P-)	F0	2.6659437E+00										
(4P-,4P+)	F0	2.5229481E+00	G2	1.2484782E+00								
(4P-,4D-)	F0	2.5319727E+00	G1	1.6303788E+00								
(4P-,4D+)	F0	2.4901033E+00	G3	9.9242362E-01								
(4P-,4F-)	F0	2.5189009E+00	G2	1.1000253E+00								
(4P-,4F+)	F0	2.4992532E+00	G4	7.7004893E-01								
(4P-,5S+)	F0	1.5470799E+00	G1	1.2818111E-01								
(4P-,5P-)	F0	1.4934747E+00	G0	9.5389782E-02								
(4P-,5P+)	F0	1.3667742E+00	G2	1.1193038E-01								
(4P-,5D-)	F0	1.2252824E+00	G1	9.2958019E-02								
(4P-,5D+)	F0	1.1918137E+00	G3	7.8618524E-02								

TABLE 1.– CONTINUED

ACTINIUM 6D1 Z=89

(4P-,6S+)	F0	7.4148287E-01	G1	2.0912611E-02				
(4P-,6P-)	F0	6.6249432E-01	G0	1.3066236E-02				
(4P-,6P+)	F0	5.8608352E-01	G2	1.5120432E-02				
(4P-,6D-)	F0	3.5527138E-01	G1	4.9886742E-03				
(4P-,7S+)	F0	2.7450648E-01	G1	2.1969585E-03				
(4P+,4P+)	F0	2.4068984E+00	F2	1.2528927E+00				
(4P+,4D-)	F0	2.4109690E+00	F2	1.2311599E+00	G1	1.5260090E+00	G3	9.7036261E-01
(4P+,4D+)	F0	2.3762070E+00	F2	1.2173082E+00	G1	1.5265965E+00	G3	9.6720509E-01
(4P+,4F-)	F0	2.3935105E+00	F2	1.1973482E+00	G2	9.9008137E-01	G4	7.0818573E-01
(4P+,4F+)	F0	2.3770349E+00	F2	1.1936775E+00	G2	9.9441341E-01	G4	7.1057544E-01
(4P+,5S+)	F0	1.5208286E+00	G1	1.4133175E-01				
(4P+,5P-)	F0	1.4688095E+00	G2	1.2838435E-01				
(4P+,5P+)	F0	1.3465350E+00	F2	4.0341827E-01	G0	8.3459527E-02	G2	1.0685706E-01
(4P+,5D-)	F0	1.2088088E+00	F2	3.1698599E-01	G1	6.9935093E-02	G3	6.9679602E-02
(4P+,5D+)	F0	1.1762674E+00	F2	2.9980574E-01	G1	7.2102943E-02	G3	6.8948688E-02
(4P+,6S+)	F0	7.3660648E-01	G1	2.1712756E-02				
(4P+,6P-)	F0	6.5862226E-01	G2	1.7870856E-02				
(4P+,6P+)	F0	5.8311821E-01	F2	6.7388095E-02	G0	1.0663910E-02	G2	1.4309836E-02
(4P+,6D-)	F0	3.5431194E-01	F2	2.2173929E-02	G1	3.7676926E-03	G3	3.8787518E-03
(4P+,7S+)	F0	2.7398411E-01	G1	2.2640825E-03				
(4D-,4D-)	F0	2.4212596E+00	F2	1.2272100E+00				
(4D-,4D+)	F0	2.3851455E+00	F2	1.2100152E+00	G2	1.2024036E+00	G4	8.1063020E-01
(4D-,4F-)	F0	2.4026295E+00	F2	1.1914290E+00	G1	1.3255158E+00	G3	8.7351122E-01
(4D-,4F+)	F0	2.3856198E+00	F2	1.1870529E+00	G3	8.6935351E-01	G5	6.2631028E-01
(4D-,5S+)	F0	1.5220376E+00	G2	1.6257709E-01				
(4D-,5P-)	F0	1.4700893E+00	G1	1.4174690E-01				
(4D-,5P+)	F0	1.3475890E+00	F2	4.0213687E-01	G1	1.0836653E-01	G3	1.0866949E-01
(4D-,5D-)	F0	1.2107147E+00	F2	3.1921029E-01	G0	7.4898934E-02	G2	9.0856687E-02
(4D-,5D+)	F0	1.1780467E+00	F2	3.0178167E-01	G2	8.7337714E-02	G4	7.3189112E-02
(4D-,6S+)	F0	7.3685825E-01	G2	2.4456468E-02				
(4D-,6P-)	F0	6.5883591E-01	G1	1.8180600E-02				
(4D-,6P+)	F0	5.8327900E-01	F2	6.7282470E-02	G1	1.3919497E-02	G3	1.4521592E-02
(4D-,6D-)	F0	3.5442402E-01	F2	2.2330621E-02	G0	3.9813253E-03	G2	5.0052304E-03
(4D-,7S+)	F0	2.7401144E-01	G2	2.5473884E-03				
(4D+,4D+)	F0	2.3510581E+00	F2	1.1960360E+00	F4	8.0600253E-01		
(4D+,4F-)	F0	2.3659785E+00	F2	1.1691517E+00	F4	7.5525811E-01	G1	1.2766440E+00
(4D+,4F+)	F0	2.3498324E+00	F2	1.1658134E+00	F4	7.5453101E-01	G1	1.2842721E+00
(4D+,5S+)	F0	1.5140273E+00	G2	1.7350531E-01				
(4D+,5P-)	F0	1.4626228E+00	G3	1.4787250E-01				
(4D+,5P+)	F0	1.3414985E+00	F2	4.1195242E-01	G1	1.1136156E-01	G3	1.1238983E-01
(4D+,5D-)	F0	1.2057925E+00	F2	3.2697025E-01	G2	9.0432558E-02	G4	7.7234074E-02
(4D+,5D+)	F0	1.1734217E+00	F2	3.0909281E-01	F4	1.4522827E-01	G0	7.1554281E-02
(4D+,6S+)	F0	7.3538191E-01	G2	2.5384851E-02				
(4D+,6P-)	F0	6.5766999E-01	G3	1.9824866E-02				
(4D+,6P+)	F0	5.8238839E-01	F2	6.9241898E-02	G1	1.4100699E-02	G3	1.4870854E-02
(4D+,6D-)	F0	3.5413716E-01	F2	2.3037124E-02	G2	4.9646117E-03	G4	4.3174190E-03
(4D+,7S+)	F0	2.7385343E-01	G2	2.6361521E-03				
(4F-,4F-)	F0	2.4155337E+00	F2	1.2348566E+00	F4	7.9473758E-01		
(4F-,4F+)	F0	2.3977077E+00	F2	1.2268138E+00	F4	7.8977921E-01	G2	1.2169590E+00
(4F-,5S+)	F0	1.5166340E+00	G3	1.7700943E-01				
(4F-,5P-)	F0	1.4649631E+00	G2	1.7048677E-01				
(4F-,5P+)	F0	1.3436815E+00	F2	4.0441598E-01	G2	1.2408381E-01	G4	1.1347362E-01
(4F-,5D-)	F0	1.2077211E+00	F2	3.2241621E-01	G1	9.3946284E-02	G3	9.6989678E-02
(4F-,5D+)	F0	1.1752740E+00	F2	3.0467973E-01	F4	1.4614274E-01	G1	8.6449831E-02
(4F-,6S+)	F0	7.3598061E-01	G3	2.4653990E-02				

(4P-,6S+)								
(4P-,6P-)								
(4P-,6P+)								
(4P-,6D-)								
(4P-,7S+)								
(4P+,4P+)								
(4P+,4D-)	G3	9.7036261E-01						
(4P+,4D+)	G3	9.6720509E-01						
(4P+,4F-)	G4	7.0818573E-01						
(4P+,4F+)	G4	7.1057544E-01						
(4P+,5S+)								
(4P+,5P-)								
(4P+,5P+)	G2	1.0685706E-01						
(4P+,5D-)	G3	6.9679602E-02						
(4P+,5D+)	G3	6.8948688E-02						
(4P+,6S+)								
(4P+,6P-)								
(4P+,6P+)	G2	1.4309836E-02						
(4P+,6D-)	G3	3.8787518E-03						
(4P+,7S+)								
(4D-,4D-)								
(4D-,4D+)	G4	8.1063020E-01						
(4D-,4F-)	G3	8.7351122E-01						
(4D-,4F+)	G5	6.2631028E-01						
(4D-,5S+)								
(4D-,5P-)								
(4D-,5P+)	G3	1.0866949E-01						
(4D-,5D-)	G2	9.0856687E-02						
(4D-,5D+)	G4	7.3189112E-02						
(4D-,6S+)								
(4D-,6P-)								
(4D-,6P+)	G3	1.4521592E-02						
(4D-,6D-)	G2	5.0052304E-03						
(4D-,7S+)								
(4D+,4D+)								
(4D+,4F-)	G3	8.4546901E-01	G5	6.1054949E-01				
(4D+,4F+)	G3	8.4980320E-01	G5	6.1350673E-01				
(4D+,5S+)								
(4D+,5P-)								
(4D+,5P+)	G3	1.1238983E-01						
(4D+,5D-)	G4	7.7234074E-02						
(4D+,5D+)	G2	8.7509366E-02	G4	7.4017114E-02				
(4D+,6S+)								
(4D+,6P-)								
(4D+,6P+)	G3	1.4870854E-02						
(4D+,6D-)	G4	4.3174190E-03						
(4D+,7S+)								
(4F-,4F-)								
(4F-,4F+)	G4	7.8372451E-01	G6	5.7000542E-01				
(4F-,5S+)								
(4F-,5P-)								
(4F-,5P+)	G4	1.1347362E-01						
(4F-,5D-)	G3	9.6989678E-02						
(4F-,5D+)	G3	8.9740841E-02	G5	7.4589618E-02				
(4F-,6S+)								

TABLE 1.– CONTINUED

ACTINIUM 6D1 Z=89

(4F-,6P-)	F0	6.5810447E-01	G2	1.9882021E-02							
(4F-,6P+)	F0	5.8273522E-01	F2	6.8242794E-02	G2	1.4786115E-02	G4	1.4393295E-02			
(4F-,6D-)	F0	3.5425130E-01	F2	2.2725430E-02	G1	4.7868075E-03	G3	5.1838786E-03			
(4F-,7S+)	F0	2.7391867E-01	G3	2.5575873E-03							
(4F+,4F+)	F0	2.3803447E+00	F2	1.2193297E+00	F4	7.8525258E-01	F6	5.7111597E-01			
(4F+,5S+)	F0	1.5125245E+00	G3	1.8176261E-01							
(4F+,5P-)	F0	1.4611515E+00	G4	1.5382150E-01							
(4F+,5P+)	F0	1.3406050E+00	F2	4.0921845E-01	G2	1.2743974E-01	G4	1.1618762E-01			
(4F+,5D-)	F0	1.2052621E+00	F2	3.2641973E-01	G3	9.8395607E-02	G5	8.1560141E-02			
(4F+,5D+)	F0	1.1729660E+00	F2	3.0848616E-01	F4	1.4862395E-01	G1	8.8315370E-02	G3	9.1640033E-02	G5 7.6156206E-02
(4F+,6S+)	F0	7.3523487E-01	G3	2.5010545E-02							
(4F+,6P-)	F0	6.5751726E-01	G4	1.9448399E-02							
(4F+,6P+)	F0	5.8228864E-01	F2	6.9235201E-02	G2	1.5020113E-02	G4	1.4626493E-02			
(4F+,6D-)	F0	3.5410832E-01	F2	2.3077044E-02	G3	5.2300978E-03	G5	4.4315019E-03			
(4F+,7S+)	F0	2.7383895E-01	G3	2.5916976E-03							
(5S+,5S+)	F0	1.2547837E+00									
(5S+,5P-)	F0	1.2265125E+00	G1	8.4899431E-01							
(5S+,5P+)	F0	1.1567462E+00	G1	7.4480841E-01							
(5S+,5D-)	F0	1.0658714E+00	G2	4.7183471E-01							
(5S+,5D+)	F0	1.0432188E+00	G2	4.3847154E-01							
(5S+,6S+)	F0	6.9226539E-01	G0	3.5272001E-02							
(5S+,6P-)	F0	6.2404506E-01	G1	4.0777848E-02							
(5S+,6P+)	F0	5.5701028E-01	G1	4.2638002E-02							
(5S+,6D-)	F0	3.4624417E-01	G2	1.6646727E-02							
(5S+,7S+)	F0	2.6928248E-01	G0	3.2955818E-03							
(5P-,5P-)	F0	1.2004346E+00									
(5P-,5P+)	F0	1.1356772E+00	G2	5.8345770E-01							
(5P-,5D-)	F0	1.0498330E+00	G1	6.3427249E-01							
(5P-,5D+)	F0	1.0283721E+00	G3	3.7496985E-01							
(5P-,6S+)	F0	6.8814346E-01	G1	5.0438392E-02							
(5P-,6P-)	F0	6.2086184E-01	G0	3.0095512E-02							
(5P-,6P+)	F0	5.5453244E-01	G2	3.6567315E-02							
(5P-,6D-)	F0	3.4544489E-01	G1	1.8938331E-02							
(5P-,7S+)	F0	2.6885103E-01	G1	4.7325851E-03							
(5P+,5P+)	F0	1.0833363E+00	F2	5.8420652E-01							
(5P+,5D-)	F0	1.0097017E+00	F2	5.3172410E-01	G1	6.7255938E-01	G3	4.2345400E-01			
(5P+,5D+)	F0	9.9122285E-01	F2	5.1779817E-01	G1	6.4808896E-01	G3	4.0769552E-01			
(5P+,6S+)	F0	6.7780573E-01	G1	6.4543281E-02							
(5P+,6P-)	F0	6.1286876E-01	G2	4.5183076E-02							
(5P+,6P+)	F0	5.4837703E-01	F2	1.4841415E-01	G0	2.5517525E-02	G2	3.4904535E-02			
(5P+,6D-)	F0	3.4346290E-01	F2	5.3370556E-02	G1	1.5885418E-02	G3	1.2599119E-02			
(5P+,7S+)	F0	2.6777183E-01	G1	5.6062212E-03							
(5D-,5D-)	F0	9.5063655E-01	F2	5.0301210E-01							
(5D-,5D+)	F0	9.3564462E-01	F2	4.9472737E-01	G2	4.9346067E-01	G4	3.3501246E-01			
(5D-,6S+)	F0	6.6230185E-01	G2	1.1255519E-01							
(5D-,6P-)	F0	6.0125797E-01	G1	7.9868638E-02							
(5D-,6P+)	F0	5.3964561E-01	F2	1.6894919E-01	G1	4.7018406E-02	G3	4.5700048E-02			
(5D-,6D-)	F0	3.4073927E-01	F2	6.2071275E-02	G0	1.0565451E-02	G2	1.3602707E-02			
(5D-,7S+)	F0	2.6619846E-01	G2	8.3077340E-03							
(5D+,5D+)	F0	9.2152081E-01	F2	4.8790063E-01	F4	3.3108763E-01					
(5D+,6S+)	F0	6.5823744E-01	G2	1.2425689E-01							
(5D+,6P-)	F0	5.9821669E-01	G3	7.7335671E-02							
(5D+,6P+)	F0	5.3738113E-01	F2	1.7401292E-01	G1	5.2127031E-02	G3	4.9406061E-02			
(5D+,6D-)	F0	3.4004240E-01	F2	6.4314944E-02	G2	1.3721289E-02	G4	1.1743988E-02			
(5D+,7S+)	F0	2.6579183E-01	G2	8.8344769E-03							

TABLE 1.– CONTINUED

ACTINIUM 6D1 Z=89

(6S+,6S+)	F0	5.6036436E-01				
(6S+,6P-)	F0	5.2508399E-01	G1	3.5810451E-01		
(6S+,6P+)	F0	4.8490668E-01	G1	2.8700981E-01		
(6S+,6D-)	F0	3.2561542E-01	G2	6.4517622E-02		
(6S+,7S+)	F0	2.5692035E-01	G0	9.7476757E-03		
(6P-,6P-)	F0	4.9676047E-01				
(6P-,6P+)	F0	4.6352069E-01	G2	2.4021215E-01		
(6P-,6D-)	F0	3.1960730E-01	G1	1.1500713E-01		
(6P-,7S+)	F0	2.5395676E-01	G1	1.6822725E-02		
(6P+,6P+)	F0	4.3755749E-01	F2	2.3810082E-01		
(6P+,6D-)	F0	3.1169577E-01	F2	1.3796493E-01	G1 1.4821885E-01	G3 9.1601504E-02
(6P+,7S+)	F0	2.5036079E-01	G1	2.7718957E-02		
(6D-,7S+)	F0	2.2133290E-01	G2	8.8127523E-02		
(7S+,7S+)	F0	2.0262193E-01				

THORIUM 6D2 Z=90

(1S+,1S+)	F0	6.7965165E+01				
(1S+,2S+)	F0	2.2865594E+01	G0	2.9746532E+00		
(1S+,2P-)	F0	2.7273879E+01	G1	4.3222852E+00		
(1S+,2P+)	F0	2.1712605E+01	G1	3.4616273E+00		
(1S+,3S+)	F0	9.2513113E+00	G0	6.1401141E-01		
(1S+,3P-)	F0	1.0145938E+01	G1	8.7405481E-01		
(1S+,3P+)	F0	8.6406952E+00	G1	7.9355144E-01		
(1S+,3D-)	F0	8.6710691E+00	G2	3.0421399E-02		
(1S+,3D+)	F0	8.2703367E+00	G2	3.4912123E-02		
(1S+,4S+)	F0	4.2125137E+00	G0	1.6062094E-01		
(1S+,4P-)	F0	4.3710666E+00	G1	2.2108518E-01		
(1S+,4P+)	F0	3.8130068E+00	G1	2.0289282E-01		
(1S+,4D-)	F0	3.6649824E+00	G2	8.6637500E-03		
(1S+,4D+)	F0	3.5234990E+00	G2	9.9809426E-03		
(1S+,4F-)	F0	3.2476802E+00	G3	3.7182303E-05		
(1S+,4F+)	F0	3.1943140E+00	G3	4.7942550E-05		
(1S+,5S+)	F0	1.9342412E+00	G0	3.9796840E-02		
(1S+,5P-)	F0	1.8916256E+00	G1	5.1037457E-02		
(1S+,5P+)	F0	1.6705604E+00	G1	4.6369077E-02		
(1S+,5D-)	F0	1.4523187E+00	G2	1.6577389E-03		
(1S+,5D+)	F0	1.4001605E+00	G2	1.8953974E-03		
(1S+,6S+)	F0	8.4317022E-01	G0	8.0613371E-03		
(1S+,6P-)	F0	7.5875510E-01	G1	8.8692708E-03		
(1S+,6P+)	F0	6.6082301E-01	G1	7.5424315E-03		
(1S+,6D-)	F0	4.1394373E-01	G2	1.2470453E-04		
(1S+,7S+)	F0	3.0019366E-01	G0	9.1294019E-04		
(2S+,2S+)	F0	1.5548724E+01				
(2S+,2P-)	F0	1.6960103E+01	G1	8.4401710E+00		
(2S+,2P+)	F0	1.5573322E+01	G1	8.6515842E+00		
(2S+,3S+)	F0	7.7297349E+00	G0	7.2809482E-01		
(2S+,3P-)	F0	8.2233365E+00	G1	6.7221538E-01		
(2S+,3P+)	F0	7.4107793E+00	G1	5.7657041E-01		
(2S+,3D-)	F0	8.3155189E+00	G2	1.8202100E+00		
(2S+,3D+)	F0	8.0011668E+00	G2	1.7014106E+00		
(2S+,4S+)	F0	3.8107955E+00	G0	1.6288996E-01		

TABLE 1.– CONTINUED

THORIUM 6D2 Z=90

(2S+,4P-)	F0 3.8870609E+00	G1 1.5323233E-01				
(2S+,4P+)	F0 3.5044684E+00	G1 1.2628969E-01				
(2S+,4D-)	F0 3.5722395E+00	G2 3.7884242E-01				
(2S+,4D+)	F0 3.4533614E+00	G2 3.5997028E-01				
(2S+,4F-)	F0 3.2453751E+00	G3 2.6488776E-02				
(2S+,4F+)	F0 3.1924506E+00	G3 2.5522013E-02				
(2S+,5S+)	F0 1.8344460E+00	G0 3.8913881E-02				
(2S+,5P-)	F0 1.7799712E+00	G1 3.4555664E-02				
(2S+,5P+)	F0 1.6003380E+00	G1 2.7900975E-02				
(2S+,5D-)	F0 1.4348780E+00	G2 6.8104163E-02				
(2S+,5D+)	F0 1.3870831E+00	G2 6.4387950E-02				
(2S+,6S+)	F0 8.2294269E-01	G0 7.8166256E-03				
(2S+,6P-)	F0 7.3935435E-01	G1 5.9755329E-03				
(2S+,6P+)	F0 6.4941014E-01	G1 4.5072248E-03				
(2S+,6D-)	F0 4.1263516E-01	G2 5.0752431E-03				
(2S+,7S+)	F0 2.9790265E-01	G0 8.8394904E-04				
(2P-,2P-)	F0 1.9349690E+01					
(2P-,2P+)	F0 1.7296716E+01	G2 7.1733084E+00				
(2P-,3S+)	F0 7.9910767E+00	G1 7.7743352E-01				
(2P-,3P-)	F0 8.6077504E+00	G0 9.9333288E-01				
(2P-,3P+)	F0 7.7218471E+00	G2 7.9443970E-01				
(2P-,3D-)	F0 8.4525903E+00	G1 1.8096325E+00				
(2P-,3D+)	F0 8.1089972E+00	G3 8.9557519E-01				
(2P-,4S+)	F0 3.8785867E+00	G1 1.8182287E-01				
(2P-,4P-)	F0 3.9815794E+00	G0 2.1550498E-01				
(2P-,4P+)	F0 3.5810547E+00	G2 1.8224061E-01				
(2P-,4D-)	F0 3.6071727E+00	G1 3.9391819E-01				
(2P-,4D+)	F0 3.4809190E+00	G3 2.0030056E-01				
(2P-,4F-)	F0 3.2464300E+00	G2 1.9767086E-02				
(2P-,4F+)	F0 3.1933145E+00	G4 1.1698640E-02				
(2P-,5S+)	F0 1.8512159E+00	G1 4.3865242E-02				
(2P-,5P-)	F0 1.8016566E+00	G0 4.8053452E-02				
(2P-,5P+)	F0 1.6176936E+00	G2 4.0636016E-02				
(2P-,5D-)	F0 1.4414159E+00	G1 7.1482292E-02				
(2P-,5D+)	F0 1.3922009E+00	G3 3.6243052E-02				
(2P-,6S+)	F0 8.2633847E-01	G1 8.8308628E-03				
(2P-,6P-)	F0 7.4311798E-01	G0 8.2898142E-03				
(2P-,6P+)	F0 6.5222834E-01	G2 6.5765736E-03				
(2P-,6D-)	F0 4.1312534E-01	G1 5.3345989E-03				
(2P-,7S+)	F0 2.9828720E-01	G1 9.9902694E-04				
(2P+,2P+)	F0 1.5869538E+01	F2 7.5202345E+00				
(2P+,3S+)	F0 7.7275801E+00	G1 7.6343930E-01				
(2P+,3P-)	F0 8.2618733E+00	G2 8.6690341E-01				
(2P+,3P+)	F0 7.4631033E+00	F2 1.8775005E+00	G0 7.5860852E-01	G2 8.2048660E-01		
(2P+,3D-)	F0 8.3255055E+00	F2 2.5970737E+00	G1 2.2841776E+00	G3 1.3137884E+00		
(2P+,3D+)	F0 8.0069398E+00	F2 2.3833540E+00	G1 2.2144576E+00	G3 1.2747512E+00		
(2P+,4S+)	F0 3.8098779E+00	G1 1.7315047E-01				
(2P+,4P-)	F0 3.8957000E+00	G2 1.9442894E-01				
(2P+,4P+)	F0 3.5170832E+00	F2 4.6102523E-01	G0 1.6044549E-01	G2 1.8701590E-01		
(2P+,4D-)	F0 3.5757434E+00	F2 5.4505561E-01	G1 4.5503933E-01	G3 2.7042942E-01		
(2P+,4D+)	F0 3.4556227E+00	F2 5.0174329E-01	G1 4.5197378E-01	G3 2.6805117E-01		
(2P+,4F-)	F0 3.2451704E+00	F2 2.3954444E-01	G2 3.4733010E-02	G4 2.2427044E-02		
(2P+,4F+)	F0 3.1922582E+00	F2 2.2694304E-01	G2 3.4167465E-02	G4 2.2056573E-02		
(2P+,5S+)	F0 1.8341970E+00	G1 4.1499242E-02				
(2P+,5P-)	F0 1.7819074E+00	G2 4.3699101E-02				

TABLE 1.– CONTINUED

THORIUM 6D2 Z=90

(2P+,5P+)	F0	1.6031815E+00	F2	1.0432066E-01	G0	3.5139778E-02	G2	4.1638686E-02
(2P+,5D-)	F0	1.4355653E+00	F2	9.8592383E-02	G1	8.1230802E-02	G3	4.8599193E-02
(2P+,5D+)	F0	1.3875290E+00	F2	9.0092479E-02	G1	8.0397924E-02	G3	4.7970031E-02
(2P+,6S+)	F0	8.2289123E-01	G1	8.3421144E-03				
(2P+,6P-)	F0	7.3968868E-01	G2	7.5513751E-03				
(2P+,6P+)	F0	6.4987136E-01	F2	1.7031765E-02	G0	5.6562727E-03	G2	6.7367761E-03
(2P+,6D-)	F0	4.1268704E-01	F2	7.4321247E-03	G1	6.0473465E-03	G3	3.6217033E-03
(2P+,7S+)	F0	2.4789680E-01	G1	9.4349422E-04				
(3S+,3S+)	F0	5.9059136E+00						
(3S+,3P-)	F0	6.0833519E+00	G1	3.7562653E+00				
(3S+,3P+)	F0	5.7343873E+00	G1	3.6997315E+00				
(3S+,3D-)	F0	6.1249962E+00	G2	2.4854615E+00				
(3S+,3D+)	F0	6.0256754E+00	G2	2.5258130E+00				
(3S+,4S+)	F0	3.3795632E+00	G0	2.5493917E-01				
(3S+,4P-)	F0	3.4081661E+00	G1	2.6216411E-01				
(3S+,4P+)	F0	3.1197713E+00	G1	2.7916967E-01				
(3S+,4D-)	F0	3.1565495E+00	G2	1.8601918E-01				
(3S+,4D+)	F0	3.0754558E+00	G2	1.7562195E-01				
(3S+,4F-)	F0	3.1544286E+00	G3	5.3155160E-01				
(3S+,4F+)	F0	3.1096586E+00	G3	5.1235875E-01				
(3S+,5S+)	F0	1.7292464E+00	G0	5.1554879E-02				
(3S+,5P-)	F0	1.6714342E+00	G1	5.1401704E-02				
(3S+,5P+)	F0	1.5140610E+00	G1	5.3758177E-02				
(3S+,5D-)	F0	1.3605133E+00	G2	3.2392205E-02				
(3S+,5D+)	F0	1.3199770E+00	G2	2.9777689E-02				
(3S+,6S+)	F0	8.0170423E-01	G0	1.0002474E-02				
(3S+,6P-)	F0	7.2056146E-01	G1	8.6495603E-03				
(3S+,6P+)	F0	6.3542832E-01	G1	8.4609926E-03				
(3S+,6D-)	F0	4.0709599E-01	G2	2.4055224E-03				
(3S+,7S+)	F0	2.9549877E-01	G0	1.1245327E-03				
(3P-,3P-)	F0	6.3070642E+00						
(3P-,3P+)	F0	5.9046315E+00	G2	2.7507685E+00				
(3P-,3D-)	F0	6.3453062E+00	G1	3.5199212E+00				
(3P-,3D+)	F0	6.2309869E+00	G3	2.2447722E+00				
(3P-,4S+)	F0	3.4180466E+00	G1	3.1653177E-01				
(3P-,4P-)	F0	3.4540007E+00	G0	2.8841114E-01				
(3P-,4P+)	F0	3.1565069E+00	G2	2.9371837E-01				
(3P-,4D-)	F0	3.1925274E+00	G1	1.9394330E-01				
(3P-,4D+)	F0	3.1094310E+00	G3	1.9673630E-01				
(3P-,4F-)	F0	3.1681389E+00	G2	5.9997854E-01				
(3P-,4F+)	F0	3.1222828E+00	G4	3.7723335E-01				
(3P-,5S+)	F0	1.7365213E+00	G1	6.6366088E-02				
(3P-,5P-)	F0	1.6816983E+00	G0	5.5323444E-02				
(3P-,5P+)	F0	1.5222272E+00	G2	5.9086353E-02				
(3P-,5D-)	F0	1.3668246E+00	G1	3.1509131E-02				
(3P-,5D+)	F0	1.3258896E+00	G3	3.2609921E-02				
(3P-,6S+)	F0	8.0357190E-01	G1	1.2968531E-02				
(3P-,6P-)	F0	7.2233451E-01	G0	9.2732465E-03				
(3P-,6P+)	F0	6.3674950E-01	G2	9.3763578E-03				
(3P-,6D-)	F0	4.0756482E-01	G1	2.3177112E-03				
(3P-,7S+)	F0	2.9571008E-01	G1	1.4597345E-03				
(3P+,3P+)	F0	5.5881223E+00	F2	2.7684786E+00				
(3P+,3D-)	F0	5.9317252E+00	F2	2.7730639E+00	G1	2.8946546E+00	G3	1.9241111E+00
(3P+,3D+)	F0	5.8401280E+00	F2	2.7841678E+00	G1	2.9765990E+00	G3	1.9736294E+00
(3P+,4S+)	F0	3.3457138E+00	G1	3.2157315E-01				

TABLE 1.– CONTINUED

THORIUM 6D2 Z=90

(3P+,4P-)	F0	3.3752848E+00	G2	3.2755399E-01						
(3P+,4P+)	F0	3.0929467E+00	F2	9.0037955E-01	G0	2.4359285E-01	G2	2.8231223E-01		
(3P+,4D-)	F0	3.1273667E+00	F2	9.0245302E-01	G1	2.1776013E-01	G3	2.1891092E-01		
(3P+,4D+)	F0	3.0475126E+00	F2	8.5940890E-01	G1	1.9404132E-01	G3	2.0350866E-01		
(3P+,4F-)	F0	3.1325753E+00	F2	1.0915409E+00	G2	7.4390975E-01	G4	4.9437658E-01		
(3P+,4F+)	F0	3.0891577E+00	F2	1.0593741E+00	G2	7.2255514E-01	G4	4.8056616E-01		
(3P+,5S+)	F0	1.7211888E+00	G1	6.4668076E-02						
(3P+,5P-)	F0	1.6641528E+00	G2	6.4025486E-02						
(3P+,5P+)	F0	1.5082010E+00	F2	2.1023571E-01	G0	4.5903484E-02	G2	5.6270462E-02		
(3P+,5D-)	F0	1.3553796E+00	F2	1.6932457E-01	G1	3.7271133E-02	G3	3.7584373E-02		
(3P+,5D+)	F0	1.3151095E+00	F2	1.5961053E-01	G1	3.2828648E-02	G3	3.4609847E-02		
(3P+,6S+)	F0	8.0008581E-01	G1	1.2543206E-02						
(3P+,6P-)	F0	7.1930627E-01	G2	1.0772916E-02						
(3P+,6P+)	F0	6.3448329E-01	F2	3.5058114E-02	G0	7.1983507E-03	G2	8.9140933E-03		
(3P+,6D-)	F0	4.0671447E-01	F2	1.3273222E-02	G1	2.7589942E-03	G3	2.7825373E-03		
(3P+,7S+)	F0	2.9531575E-01	G1	1.4101411E-03						
(3D-,3D-)	F0	6.5155851E+00	F2	3.2915314E+00						
(3D-,3D+)	F0	6.3904017E+00	F2	3.2443586E+00	G2	3.1546025E+00	G4	2.0307317E+00		
(3D-,4S+)	F0	3.4256166E+00	G2	2.9903155E-01						
(3D-,4P-)	F0	3.4588402E+00	G1	3.0970042E-01						
(3D-,4P+)	F0	3.1619430E+00	F2	8.1006430E-01	G1	2.5665222E-01	G3	2.5295071E-01		
(3D-,4D-)	F0	3.2209074E+00	F2	8.6040975E-01	G0	2.7630030E-01	G2	3.3877391E-01		
(3D-,4D+)	F0	3.1372892E+00	F2	8.2399763E-01	G2	3.1828108E-01	G4	2.4760929E-01		
(3D-,4F-)	F0	3.1731371E+00	F2	9.1418078E-01	G1	7.5510483E-01	G3	4.4522927E-01		
(3D-,4F+)	F0	3.1266561E+00	F2	8.8311974E-01	G3	4.2058614E-01	G5	2.9155592E-01		
(3D-,5S+)	F0	1.7402696E+00	G2	6.3135123E-02						
(3D-,5P-)	F0	1.6826623E+00	G1	5.9989442E-02						
(3D-,5P+)	F0	1.5233891E+00	F2	1.8718606E-01	G1	5.0278608E-02	G3	5.1753388E-02		
(3D-,5D-)	F0	1.3717394E+00	F2	1.5864582E-01	G0	4.2575220E-02	G2	5.5837335E-02		
(3D-,5D+)	F0	1.3307108E+00	F2	1.5066138E-01	G2	5.2072158E-02	G4	4.1502779E-02		
(3D-,6S+)	F0	8.0392033E-01	G2	1.2368207E-02						
(3D-,6P-)	F0	7.2249678E-01	G1	9.9997861E-03						
(3D-,6P+)	F0	6.3693591E-01	F2	3.1055674E-02	G1	7.9396599E-03	G3	8.2395771E-03		
(3D-,6D-)	F0	4.0792911E-01	F2	1.2318543E-02	G0	3.1047598E-03	G2	4.1102904E-03		
(3D-,7S+)	F0	2.9574942E-01	G2	1.3927897E-03						
(3D+,3D+)	F0	6.2744196E+00	F2	3.2077547E+00	F4	2.0661646E+00				
(3D+,4S+)	F0	3.4028270E+00	G2	3.0690143E-01						
(3D+,4P-)	F0	3.4351082E+00	G3	3.1335298E-01						
(3D+,4P+)	F0	3.1424823E+00	F2	8.3206011E-01	G1	2.5826697E-01	G3	2.5974074E-01		
(3D+,4D-)	F0	3.1991625E+00	F2	8.7768781E-01	G2	3.2560077E-01	G4	2.5776375E-01		
(3D+,4D+)	F0	3.1170613E+00	F2	8.4052246E-01	F4	4.0900080E-01	G0	2.6022667E-01	G2	3.2628254E-01	G4	2.5605380E-01
(3D+,4F-)	F0	3.1645682E+00	F2	9.5405826E-01	F4	4.9569355E-01	G1	7.8971057E-01	G3	4.6703806E-01	G5	3.2379776E-01
(3D+,4F+)	F0	3.1187100E+00	F2	9.2249289E-01	F4	4.7499195E-01	G1	7.7229602E-01	G3	4.5682675E-01	G5	3.1674256E-01
(3D+,5S+)	F0	1.7350172E+00	G2	6.3964828E-02						
(3D+,5P-)	F0	1.6773429E+00	G3	6.2787623E-02						
(3D+,5P+)	F0	1.5190661E+00	F2	1.9270492E-01	G1	5.0257067E-02	G3	5.2877718E-02		
(3D+,5D-)	F0	1.3678843E+00	F2	1.6246308E-01	G2	5.3397654E-02	G4	4.3388410E-02		
(3D+,5D+)	F0	1.3271527E+00	F2	1.5407125E-01	F4	6.7556019E-02	G0	3.9703024E-02	G2	5.3270354E-02	G4	4.2854566E-02
(3D+,6S+)	F0	8.0286257E-01	G2	1.2503499E-02						
(3D+,6P-)	F0	7.2157770E-01	G3	1.0619077E-02						
(3D+,6P+)	F0	6.3623659E-01	F2	3.2007957E-02	G1	7.9272341E-03	G3	8.4112286E-03		
(3D+,6D-)	F0	4.0764232E-01	F2	1.2625048E-02	G2	3.9279827E-03	G4	3.2035835E-03		
(3D+,7S+)	F0	2.9562975E-01	G2	1.4075250E-03						
(4S+,4S+)	F0	2.7016477E+00								
(4S+,4P-)	F0	2.7080165E+00	G1	1.8111178E+00						

TABLE 1.– CONTINUED

THORIUM 6D2 Z=90

(4S+,4P+)	F0	2.5618475E+00	G1	1.6833936E+00				
(4S+,4D-)	F0	2.5730575E+00	G2	1.2706673E+00				
(4S+,4D+)	F0	2.5303352E+00	G2	1.2435011E+00				
(4S+,4F-)	F0	2.5669552E+00	G3	9.1857784E-01				
(4S+,4F+)	F0	2.5469732E+00	G3	9.1640339E-01				
(4S+,5S+)	F0	1.5814114E+00	G0	9.9390541E-02				
(4S+,5P-)	F0	1.5292523E+00	G1	1.1228910E-01				
(4S+,5P+)	F0	1.3986437E+00	G1	1.2459839E-01				
(4S+,5D-)	F0	1.2636447E+00	G2	8.6030154E-02				
(4S+,5D+)	F0	1.2295697E+00	G2	8.8825320E-02				
(4S+,6S+)	F0	7.7234143E-01	G0	1.6540713E-02				
(4S+,6P-)	F0	6.9630148E-01	G1	1.6789572E-02				
(4S+,6P+)	F0	6.1693825E-01	G1	1.7586035E-02				
(4S+,6D-)	F0	3.9993814E-01	G2	5.8207445E-03				
(4S+,7S+)	F0	2.9218408E-01	G0	1.8159202E-03				
(4P-,4P-)	F0	2.7163107E+00						
(4P-,4P+)	F0	2.5669711E+00	G2	1.2664173E+00				
(4P-,4D-)	F0	2.5788182E+00	G1	1.6594939E+00				
(4P-,4D+)	F0	2.5353531E+00	G3	1.0092903E+00				
(4P-,4F-)	F0	2.5713219E+00	G2	1.1233343E+00				
(4P-,4F+)	F0	2.5510631E+00	G4	7.8697397E-01				
(4P-,5S+)	F0	1.5830108E+00	G1	1.3207554E-01				
(4P-,5P-)	F0	1.5311762E+00	G0	9.8826532E-02				
(4P-,5P+)	F0	1.4000344E+00	G2	1.1602038E-01				
(4P-,5D-)	F0	1.2648535E+00	G1	9.7983853E-02				
(4P-,5D+)	F0	1.2306568E+00	G3	8.3050309E-02				
(4P-,6S+)	F0	7.7266347E-01	G1	2.2552480E-02				
(4P-,6P-)	F0	6.9663231E-01	G0	1.4417436E-02				
(4P-,6P+)	F0	6.1716490E-01	G2	1.6821900E-02				
(4P-,6D-)	F0	4.0002812E-01	G1	6.5454732E-03				
(4P-,7S+)	F0	2.9222051E-01	G1	2.4856299E-03				
(4P+,4P+)	F0	2.4464101E+00	F2	1.2731059E+00				
(4P+,4D-)	F0	2.4526659E+00	F2	1.2520125E+00	G1	1.5503163E+00	G3	9.8605009E-01
(4P+,4D+)	F0	2.4167504E+00	F2	1.2378665E+00	G1	1.5515763E+00	G3	9.8347353E-01
(4P+,4F-)	F0	2.4397762E+00	F2	1.2203232E+00	G2	1.0060767E+00	G4	7.2061583E-01
(4P+,4F+)	F0	2.4228820E+00	F2	1.2168233E+00	G2	1.0110160E+00	G4	7.2341533E-01
(4P+,5S+)	F0	1.5552114E+00	G1	1.4606824E-01				
(4P+,5P-)	F0	1.5049209E+00	G2	1.3334848E-01				
(4P+,5P+)	F0	1.3785295E+00	F2	4.1614793E-01	G0	8.6364749E-02	G2	1.1055223E-01
(4P+,5D-)	F0	1.2470080E+00	F2	3.3227490E-01	G1	7.3227478E-02	G3	7.3300266E-02
(4P+,5D+)	F0	1.2138019E+00	F2	3.1451645E-01	G1	7.5596917E-02	G3	7.2602847E-02
(4P+,6S+)	F0	7.6724258E-01	G1	2.3419450E-02				
(4P+,6P-)	F0	6.9222397E-01	G2	1.9751299E-02				
(4P+,6P+)	F0	6.1377287E-01	F2	7.4254885E-02	G0	1.1820857E-02	G2	1.5882030E-02
(4P+,6D-)	F0	3.9872634E-01	F2	2.8571681E-02	G1	4.9141700E-03	G3	5.0934387E-03
(4P+,7S+)	F0	2.9161031E-01	G1	2.5600853E-03				
(4D-,4D-)	F0	2.4654500E+00	F2	1.2494448E+00				
(4D-,4D+)	F0	2.4280145E+00	F2	1.2316315E+00	G2	1.2235845E+00	G4	8.2518821E-01
(4D-,4F-)	F0	2.4514818E+00	F2	1.2159589E+00	G1	1.3489832E+00	G3	8.9055057E-01
(4D-,4F+)	F0	2.4339784E+00	F2	1.2116573E+00	G3	8.8644074E-01	G5	6.3907776E-01
(4D-,5S+)	F0	1.5569667E+00	G2	1.6721211E-01				
(4D-,5P-)	F0	1.5067174E+00	G1	1.4660926E-01				
(4D-,5P+)	F0	1.3800043E+00	F2	4.1417770E-01	G1	1.1178985E-01	G3	1.1215890E-01
(4D-,5D-)	F0	1.2493445E+00	F2	3.3411107E-01	G0	7.8781788E-02	G2	9.5631255E-02
(4D-,5D+)	F0	1.2159892E+00	F2	3.1612585E-01	G2	9.2029033E-02	G4	7.7198041E-02

TABLE 1.– CONTINUED

THORIUM 6D2 Z=90

(4D-,6S+)	F0	7.6761380E-01	G2	2.6304326E-02								
(4D-,6P-)	F0	6.9253961E-01	G1	1.9993336E-02								
(4D-,6P+)	F0	6.1401259E-01	F2	7.3996844E-02	G1	1.5400455E-02	G3	1.6091368E-02				
(4D-,6D-)	F0	3.9889828E-01	F2	2.6720580E-02	G0	5.2097361E-03	G2	6.5700645E-03				
(4D-,7S+)	F0	2.9165253E-01	G2	2.8729923E-03								
(4D+,4D+)	F0	2.3927228E+00	F2	1.2172262E+00	F4	8.2355041E-01						
(4D+,4F-)	F0	2.4132756E+00	F2	1.1925340E+00	F4	7.7038993E-01	G1	1.2973154E+00	G3	8.6087441E-01	G5	6.2218156E-01
(4D+,4F+)	F0	2.3966824E+00	F2	1.1893245E+00	F4	7.6985714E-01	G1	1.3057383E+00	G3	8.6572741E-01	G5	6.2551274E-01
(4D+,5S+)	F0	1.5485405E+00	G2	1.7863438E-01								
(4D+,5P-)	F0	1.4988210E+00	G3	1.5315716E-01								
(4D+,5P+)	F0	1.3735734E+00	F2	4.2438045E-01	G1	1.1483159E-01	G3	1.1600617E-01				
(4D+,5D-)	F0	1.2440433E+00	F2	3.4226134E-01	G2	9.5147821E-02	G4	8.1371349E-02				
(4D+,5D+)	F0	1.2110046E+00	F2	3.2380934E-01	F4	1.5311149E-01	G0	7.5313058E-02	G2	9.2201586E-02	G4	7.8079161E-02
(4D+,6S+)	F0	7.6598348E-01	G2	2.7306193E-02								
(4D+,6P-)	F0	6.9122085E-01	G3	2.1852096E-02								
(4D+,6P+)	F0	6.1300017E-01	F2	7.6159138E-02	G1	1.5588682E-02	G3	1.6474729E-02				
(4D+,6D-)	F0	3.9851130E-01	F2	2.9582080E-02	G2	6.5120994E-03	G4	5.6783731E-03				
(4D+,7S+)	F0	2.9146918E-01	G2	2.9727107E-03								
(4F-,4F-)	F0	2.4704144E+00	F2	1.2654252E+00	F4	8.1502737E-01						
(4F-,4F+)	F0	2.4519498E+00	F2	1.2571364E+00	F4	8.0992929E-01	G2	1.2466370E+00	G4	8.0347342E-01	G6	5.8457225E-01
(4F-,5S+)	F0	1.5526941E+00	G3	1.8000745E-01								
(4F-,5P-)	F0	1.5025888E+00	G2	1.7398036E-01								
(4F-,5P+)	F0	1.3769076E+00	F2	4.1505734E-01	G2	1.2618128E-01	G4	1.1585946E-01				
(4F-,5D-)	F0	1.2469243E+00	F2	3.3606210E-01	G1	9.7510020E-02	G3	1.0112231E-01				
(4F-,5D+)	F0	1.2137563E+00	F2	3.1780845E-01	F4	1.5296172E-01	G1	8.9873808E-02	G3	9.3670787E-02	G5	7.8010198E-02
(4F-,6S+)	F0	7.6690483E-01	G3	2.6365615E-02								
(4F-,6P-)	F0	6.9192000E-01	G2	2.1703596E-02								
(4F-,6P+)	F0	6.1355234E-01	F2	7.4684628E-02	G2	1.6213178E-02	G4	1.5836944E-02				
(4F-,6D-)	F0	3.9872338E-01	F2	2.9058090E-02	G1	6.1962045E-03	G3	6.7495930E-03				
(4F-,7S+)	F0	2.9157405E-01	G3	2.8691594E-03								
(4F+,4F+)	F0	2.4339750E+00	F2	1.2494413E+00	F4	8.0529079E-01	F6	5.8589635E-01				
(4F+,5S+)	F0	1.5484180E+00	G3	1.8487094E-01								
(4F+,5P-)	F0	1.4985998E+00	G4	1.5751486E-01								
(4F+,5P+)	F0	1.3736916E+00	F2	4.2003032E-01	G2	1.2956561E-01	G4	1.1862296E-01				
(4F+,5D-)	F0	1.2442989E+00	F2	3.4023896E-01	G3	1.0253069E-01	G5	8.5170341E-02				
(4F+,5D+)	F0	1.2112898E+00	F2	3.2178034E-01	F4	1.5555643E-01	G1	9.1753335E-02	G3	9.5633408E-02	G5	7.9641663E-02
(4F+,6S+)	F0	7.6608895E-01	G3	2.6745682E-02								
(4F+,6P-)	F0	6.9126191E-01	G4	2.1296450E-02								
(4F+,6P+)	F0	6.1304926E-01	F2	7.5769161E-02	G2	1.6465787E-02	G4	1.6092138E-02				
(4F+,6D-)	F0	3.9853208E-01	F2	2.9501131E-02	G3	6.8048239E-03	G5	5.7835847E-03				
(4F+,7S+)	F0	2.9148240E-01	G3	2.9070622E-03								
(5S+,5S+)	F0	1.2846996E+00										
(5S+,5P-)	F0	1.2572488E+00	G1	8.7016054E-01								
(5S+,5P+)	F0	1.1849966E+00	G1	7.6160757E-01								
(5S+,5D-)	F0	1.0981964E+00	G2	4.8958558E-01								
(5S+,5D+)	F0	1.0751615E+00	G2	4.5516197E-01								
(5S+,6S+)	F0	7.1990137E-01	G0	3.7541239E-02								
(5S+,6P-)	F0	6.5443350E-01	G1	4.4035714E-02								
(5S+,6P+)	F0	5.8510003E-01	G1	4.6433162E-02								
(5S+,6D-)	F0	3.8821595E-01	G2	2.1072752E-02								
(5S+,7S+)	F0	2.8633823E-01	G0	3.6559439E-03								
(5P-,5P-)	F0	1.2318388E+00										
(5P-,5P+)	F0	1.1645256E+00	G2	5.9665293E-01								
(5P-,5D-)	F0	1.0823282E+00	G1	6.5601722E-01								
(5P-,5D+)	F0	1.0604625E+00	G3	3.8827395E-01								

TABLE 1.– CONTINUED

THORIUM 6D2 Z=90

(5P-,6S+)	F0	7.1570765E-01	G1	5.3479946E-02			
(5P-,6P-)	F0	6.5112237E-01	G0	3.2612530E-02			
(5P-,6P+)	F0	5.8251005E-01	G2	3.9920662E-02			
(5P-,6D-)	F0	3.8723037E-01	G1	2.3824805E-02			
(5P-,7S+)	F0	2.8587752E-01	G1	5.2379361E-03			
(5P+,5P+)	F0	1.1103224E+00	F2	5.9874282E-01			
(5P+,5D-)	F0	1.0400288E+00	F2	5.4873374E-01	G1	6.9478260E-01	G3 4.3803143E-01
(5P+,5D+)	F0	1.0212898E+00	F2	5.3476210E-01	G1	6.7036372E-01	G3 4.2224595E-01
(5P+,6S+)	F0	7.0449235E-01	G1	6.8381368E-02			
(5P+,6P-)	F0	6.4224779E-01	G2	4.9116918E-02			
(5P+,6P+)	F0	5.7564709E-01	F2	1.6021722E-01	G0	2.7736594E-02	G2 3.8016497E-02
(5P+,6D-)	F0	3.8462348E-01	F2	6.6521403E-02	G1	1.9717625E-02	G3 1.5885785E-02
(5P+,7S+)	F0	2.8464865E-01	G1	6.1768389E-03			
(5D-,5D-)	F0	9.8290245E-01	F2	5.2350134E-01			
(5D-,5D+)	F0	9.6752009E-01	F2	5.1202019E-01	G2	5.1063579E-01	G4 3.4728185E-01
(5D-,6S+)	F0	6.8912829E-01	G2	1.1578882E-01			
(5D-,6P-)	F0	6.3045530E-01	G1	8.3665352E-02			
(5D-,6P+)	F0	5.6672751E-01	F2	1.8032030E-01	G1	4.9477247E-02	G3 4.8573657E-02
(5D-,6D-)	F0	3.8133839E-01	F2	7.6196137E-02	G0	1.3281390E-02	G2 1.7212244E-02
(5D-,7S+)	F0	2.8301067E-01	G2	8.9492525E-03			
(5D+,5D+)	F0	9.5303261E-01	F2	5.0506304E-01	F4	3.4334569E-01	
(5D+,6S+)	F0	6.8487610E-01	G2	1.2788677E-01			
(5D+,6P-)	F0	6.2719227E-01	G3	8.1727790E-02			
(5D+,6P+)	F0	5.6428144E-01	F2	1.8557374E-01	G1	5.4621713E-02	G3 5.2363446E-02
(5D+,6D-)	F0	3.8044598E-01	F2	7.8817944E-02	G2	1.7343442E-02	G4 1.4937747E-02
(5D+,7S+)	F0	2.8256302E-01	G2	9.5131396E-03			
(6S+,6S+)	F0	5.8409456E-01					
(6S+,6P-)	F0	5.5018903E-01	G1	3.7654004E-01			
(6S+,6P+)	F0	5.0875584E-01	G1	3.0216931E-01			
(6S+,6D-)	F0	3.6222233E-01	G2	8.0345885E-02			
(6S+,7S+)	F0	2.7294994E-01	G0	1.0486778E-02			
(6P-,6P-)	F0	5.2257001E-01					
(6P-,6P+)	F0	4.8788771E-01	G2	2.5257020E-01			
(6P-,6D-)	F0	3.5528972E-01	G1	1.3805752E-01			
(6P-,7S+)	F0	2.6996516E-01	G1	1.7670101E-02			
(6P+,6P+)	F0	4.6081922E-01	F2	2.5119050E-01			
(6P+,6D-)	F0	3.4564990E-01	F2	1.5956005E-01	G1	1.7589490E-01	G3 1.0922246E-01
(6P+,7S+)	F0	2.6610607E-01	G1	2.8980981E-02			
(6D-,6D-)	F0	2.8910303E-01	F2	1.4797815E-01			
(6D-,7S+)	F0	2.4080504E-01	G2	8.9730050E-02			
(7S+,7S+)	F0	2.1569600E-01					

PROTOACTINIUM 5F2 6D1 Z=91

(1S+,1S+)	F0	6.9117812E+01		
(1S+,2S+)	F0	2.3289874E+01	G0	3.0528204E+00
(1S+,2P-)	F0	2.7813548E+01	G1	4.3805672E+00
(1S+,2P+)	F0	2.1994197E+01	G1	3.4869898E+00
(1S+,3S+)	F0	9.4208662E+00	G0	6.3122391E-01
(1S+,3P-)	F0	1.0341983E+01	G1	8.8724699E-01
(1S+,3P+)	F0	8.7660507E+00	G1	8.0346852E-01
(1S+,3D-)	F0	8.7983857E+00	G2	3.0452372E-02

TABLE 1.– CONTINUED

PROTOACTINIUM 5F2 6D1 Z=91

(1S+,3D+)	F0	8.3821195E+00	G2	3.5134687E-02
(1S+,4S+)	F0	4.2946845E+00	G0	1.6583872E-01
(1S+,4P-)	F0	4.4616049E+00	G1	2.2554395E-01
(1S+,4P+)	F0	3.8781296E+00	G1	2.0674667E-01
(1S+,4D-)	F0	3.7321609E+00	G2	8.7542671E-03
(1S+,4D+)	F0	3.5852065E+00	G2	1.0144909E-02
(1S+,4F-)	F0	3.3147174E+00	G3	3.8001786E-05
(1S+,4F+)	F0	3.2593096E+00	G3	4.9436136E-05
(1S+,5S+)	F0	1.9817005E+00	G0	4.1635808E-02
(1S+,5P-)	F0	1.9421782E+00	G1	5.2884457E-02
(1S+,5P+)	F0	1.7092560E+00	G1	4.7962064E-02
(1S+,5D-)	F0	1.4911721E+00	G2	1.7112481E-03
(1S+,5D+)	F0	1.4360009E+00	G2	1.9662492E-03
(1S+,5F-)	F0	8.5159004E-01	G3	3.0947231E-06
(1S+,6S+)	F0	8.5674267E-01	G0	8.2699839E-03
(1S+,6P-)	F0	7.6828215E-01	G1	8.8926750E-03
(1S+,6P+)	F0	6.6269663E-01	G1	7.4117405E-03
(1S+,6D-)	F0	3.9333600E-01	G2	1.0556655E-04
(1S+,7S+)	F0	2.9528827E-01	G0	8.5823521E-04
(2S+,2S+)	F0	1.5815895E+01		
(2S+,2P-)	F0	1.7261258E+01	G1	8.5595945E+00
(2S+,2P+)	F0	1.5805410E+01	G1	8.9847258E+00
(2S+,3S+)	F0	7.8622752E+00	G0	7.4466395E-01
(2S+,3P-)	F0	8.3691730E+00	G1	6.8509478E-01
(2S+,3P+)	F0	7.5196988E+00	G1	5.8741150E-01
(2S+,3D-)	F0	8.4385799E+00	G2	1.8369938E+00
(2S+,3D+)	F0	8.1116776E+00	G2	1.7145047E+00
(2S+,4S+)	F0	3.8813115E+00	G0	1.6734634E-01
(2S+,4P-)	F0	3.9623395E+00	G1	1.5696476E-01
(2S+,4P+)	F0	3.5634947E+00	G1	1.2924662E-01
(2S+,4D-)	F0	3.6374097E+00	G2	3.8597178E-01
(2S+,4D+)	F0	3.5140323E+00	G2	3.6648089E-01
(2S+,4F-)	F0	3.3123441E+00	G3	2.7153204E-02
(2S+,4F+)	F0	3.2574010E+00	G3	2.6158828E-02
(2S+,5S+)	F0	1.8776364E+00	G0	4.0500653E-02
(2S+,5P-)	F0	1.8251874E+00	G1	3.5946623E-02
(2S+,5P+)	F0	1.6365713E+00	G1	2.8962680E-02
(2S+,5D-)	F0	1.4729727E+00	G2	7.0821743E-02
(2S+,5D+)	F0	1.4224602E+00	G2	6.6847986E-02
(2S+,5F-)	F0	8.5140031E-01	G3	2.1204269E-03
(2S+,6S+)	F0	8.3605914E-01	G0	7.9764003E-03
(2S+,6P-)	F0	7.4861208E-01	G1	6.0143539E-03
(2S+,6P+)	F0	6.5147399E-01	G1	4.4442466E-03
(2S+,6D-)	F0	3.9221622E-01	G2	4.3279342E-03
(2S+,7S+)	F0	2.9314156E-01	G0	8.2661323E-04
(2P-,2P-)	F0	1.9711753E+01		
(2P-,2P+)	F0	1.7557010E+01	G2	7.2480689E+00
(2P-,3S+)	F0	8.1307819E+00	G1	7.9123266E-01
(2P-,3P-)	F0	8.7644251E+00	G0	1.0177825E+00
(2P-,3P+)	F0	7.8373725E+00	G2	8.0695734E-01
(2P-,3D-)	F0	8.5778843E+00	G1	1.8243352E+00
(2P-,3D+)	F0	6.2205665E+00	G3	8.9928644E-01
(2P-,4S+)	F0	3.9512830E+00	G1	1.8585743E-01
(2P-,4P-)	F0	4.0600252E+00	G0	2.2193501E-01
(2P-,4P+)	F0	3.6422019E+00	G2	1.8618203E-01

TABLE 1.– CONTINUED

PROTOACTINIUM 5F2 6D1 Z=91

(2P-,4D-)	F0	3.6732519E+00	G1	4.0101622E-01				
(2P-,4D+)	F0	3.5421409E+00	G3	2.0318880E-01				
(2P-,4F-)	F0	3.3134347E+00	G2	2.0221516E-02				
(2P-,4F+)	F0	3.2582897E+00	G4	1.1948359E-02				
(2P-,5S+)	F0	1.8951768E+00	G1	4.5425810E-02				
(2P-,5P-)	F0	1.8479512E+00	G0	5.0250074E-02				
(2P-,5P+)	F0	1.6546744E+00	G2	4.2124081E-02				
(2P-,5D-)	F0	1.4798237E+00	G1	7.4291082E-02				
(2P-,5D+)	F0	1.4277863E+00	G3	3.7498068E-02				
(2P-,5F-)	F0	8.5148734E-01	G2	1.5838826E-03				
(2P-,6S+)	F0	8.3954199E-01	G1	8.9665536E-03				
(2P-,6P-)	F0	7.5243491E-01	G0	8.3871395E-03				
(2P-,6P+)	F0	6.5426663E-01	G2	6.4762134E-03				
(2P-,6D-)	F0	3.9263744E-01	G1	4.5465042E-03				
(2P-,7S+)	F0	2.9350298E-01	G1	9.2956773E-04				
(2P+,2P+)	F0	1.6070919E+01	F2	7.6141659E+00				
(2P+,3S+)	F0	7.8533671E+00	G1	7.7754550E-01				
(2P+,3P-)	F0	8.4000196E+00	G2	8.8413218E-01				
(2P+,3P+)	F0	7.5670064E+00	F2	1.9059791E+00	G0	7.7088847E-01	G2	8.3350826E-01
(2P+,3D-)	F0	8.4452034E+00	F2	2.6391285E+00	G1	2.3190656E+00	G3	1.3338078E+00
(2P+,3D+)	F0	8.1145929E+00	F2	2.4172271E+00	G1	2.2471759E+00	G3	1.2935678E+00
(2P+,4S+)	F0	3.8786146E+00	G1	1.7689024E-01				
(2P+,4P-)	F0	3.9690723E+00	G2	1.9900121E-01				
(2P+,4P+)	F0	3.5749427E+00	F2	4.7066951E-01	G0	1.6390786E-01	G2	1.9105308E-01
(2P+,4D-)	F0	3.6401405E+00	F2	5.5810064E-01	G1	4.6528227E-01	G3	2.7656921E-01
(2P+,4D+)	F0	3.5156220E+00	F2	5.1300717E-01	G1	4.6243766E-01	G3	2.7429178E-01
(2P+,4F-)	F0	3.3120926E+00	F2	2.4725065E-01	G2	3.6104063E-02	G4	2.3313279E-02
(2P+,4F+)	F0	3.2571687E+00	F2	2.3400276E-01	G2	3.5525234E-02	G4	2.2933854E-02
(2P+,5S+)	F0	1.8769368E+00	G1	4.2937359E-02				
(2P+,5P-)	F0	1.8267062E+00	G2	4.5405943E-02				
(2P+,5P+)	F0	1.6391885E+00	F2	1.0803198E-01	G0	3.6414510E-02	G2	4.3159583E-02
(2P+,5D-)	F0	1.4735297E+00	F2	1.0296940E-01	G1	8.4733159E-02	G3	5.0711486E-02
(2P+,5D+)	F0	1.4227901E+00	F2	9.3865496E-02	G1	8.3846876E-02	G3	5.0040111E-02
(2P+,5F-)	F0	8.5138101E-01	F2	1.7430751E-02	G2	2.7948051E-03	G4	1.8075879E-03
(2P+,6S+)	F0	8.3591914E-01	G1	8.4620638E-03				
(2P+,6P-)	F0	7.4886532E-01	G2	7.5911638E-03				
(2P+,6P+)	F0	6.5187721E-01	F2	1.6776244E-02	G0	5.5776128E-03	G2	6.6333024E-03
(2P+,6D-)	F0	3.9225078E-01	F2	6.3829974E-03	G1	5.1724865E-03	G3	3.0988240E-03
(2P+,7S+)	F0	2.9312701E-01	G1	8.7704165E-04				
(3S+,3S+)	F0	6.0041823E+00						
(3S+,3P-)	F0	6.1865165E+00	G1	3.8143102E+00				
(3S+,3P+)	F0	5.8212380E+00	G1	3.7519546E+00				
(3S+,3D-)	F0	6.2211266E+00	G2	2.5272178E+00				
(3S+,3D+)	F0	6.1174755E+00	G2	2.5685106E+00				
(3S+,4S+)	F0	3.4398389E+00	G0	2.6061596E-01				
(3S+,4P-)	F0	3.4712474E+00	G1	2.6759692E-01				
(3S+,4P+)	F0	3.1709966E+00	G1	2.8606588E-01				
(3S+,4D-)	F0	3.2126858E+00	G2	1.8969366E-01				
(3S+,4D+)	F0	3.1287451E+00	G2	1.7924077E-01				
(3S+,4F-)	F0	3.2189374E+00	G3	5.4535915E-01				
(3S+,4F+)	F0	3.1725453E+00	G3	5.2544053E-01				
(3S+,5S+)	F0	1.7685071E+00	G0	5.3338388E-02				
(3S+,5P-)	F0	1.7121445E+00	G1	5.3220021E-02				
(3S+,5P+)	F0	1.5472303E+00	G1	5.5821420E-02				
(3S+,5D-)	F0	1.3954283E+00	G2	3.3663311E-02				

TABLE 1.– CONTINUED

PROTACTINIUM 5F2 6D1 Z=91

(3S+,5D+)	F0	1.3527052E+00	G2	3.0912552E-02			
(3S+,5F-)	F0	8.4446384E-01	G3	3.5560026E-02			
(3S+,6S+)	F0	8.1445582E-01	G0	1.0141979E-02			
(3S+,6P-)	F0	7.2967338E-01	G1	8.6615156E-03			
(3S+,6P+)	F0	6.3771945E-01	G1	8.3438270E-03			
(3S+,6D-)	F0	3.8747973E-01	G2	2.0497415E-03			
(3S+,7S+)	F0	2.9090085E-01	G0	1.0451137E-03			
(3P-,3P-)	F0	6.4166542E+00					
(3P-,3P+)	F0	5.4950088E+00	G2	2.7831621E+00			
(3P-,3D-)	F0	6.4465133E+00	G1	3.5809551E+00			
(3P-,3D+)	F0	6.3271167E+00	G3	2.2806636E+00			
(3P-,4S+)	F0	3.4795732E+00	G1	3.2292464E-01			
(3P-,4P-)	F0	3.5186445E+00	G0	2.9538039E-01			
(3P-,4P+)	F0	3.2087753E+00	G2	2.9972347E-01			
(3P-,4D-)	F0	3.2498327E+00	G1	1.9855131E-01			
(3P-,4D+)	F0	3.1637851E+00	G3	2.0123674E-01			
(3P-,4F-)	F0	3.2331754E+00	G2	6.1493933E-01			
(3P-,4F+)	F0	3.1856331E+00	G4	3.8630452E-01			
(3P-,5S+)	F0	1.7782099E+00	G1	6.8532733E-02			
(3P-,5P-)	F0	1.7229232E+00	G0	5.7476462E-02			
(3P-,5P+)	F0	1.5557537E+00	G2	6.1134646E-02			
(3P-,5D-)	F0	1.4020767E+00	G1	3.2826363E-02			
(3P-,5D+)	F0	1.3589203E+00	G3	3.3940348E-02			
(3P-,5F-)	F0	8.4550672E-01	G2	4.0353453E-02			
(3P-,6S+)	F0	8.1637160E-01	G1	1.3125490E-02			
(3P-,6P-)	F0	7.2147492E-01	G0	9.3177744E-03			
(3P-,6P+)	F0	6.3902950E-01	G2	9.2145391E-03			
(3P-,6D-)	F0	3.8788471E-01	G1	1.9795679E-03			
(3P-,7S+)	F0	2.9109947E-01	G1	1.3541130E-03			
(3P+,3P+)	F0	5.6656154E+00	F2	2.8055009E+00			
(3P+,3D-)	F0	6.0154207E+00	F2	2.8102193E+00	G1	2.9298692E+00	G3 1.9479813E+00
(3P+,3D+)	F0	5.9263157E+00	F2	2.8218213E+00	G1	3.0150973E+00	G3 2.0047202E+00
(3P+,4S+)	F0	3.4035027E+00	G1	3.2874347E-01			
(3P+,4P-)	F0	3.4357299E+00	G2	3.3561494E-01			
(3P+,4P+)	F0	3.1421605E+00	F2	9.1636627E-01	G0	2.4842542E-01	G2 2.8765299E-01
(3P+,4D-)	F0	3.1813376E+00	F2	9.2090756E-01	G1	2.2303384E-01	G3 2.2391720E-01
(3P+,4D+)	F0	3.0987539E+00	F2	8.7631384E-01	G1	1.9818037E-01	G3 2.0783841E-01
(3P+,4F-)	F0	3.1955313E+00	F2	1.1204001E+00	G2	7.6660981E-01	G4 5.0956149E-01
(3P+,4F+)	F0	3.1506181E+00	F2	1.0869909E+00	G2	7.4449676E-01	G4 4.9526423E-01
(3P+,5S+)	F0	1.7597423E+00	G1	6.6788194E-02			
(3P+,5P-)	F0	1.7041557E+00	G2	6.6442054E-02			
(3P+,5P+)	F0	1.5408360E+00	F2	2.1679879E-01	G0	4.7429930E-02	G2 5.8116177E-02
(3P+,5D-)	F0	1.3698029E+00	F2	1.7601114E-01	G1	3.8932044E-02	G3 3.9202899E-02
(3P+,5D+)	F0	1.3473816E+00	F2	1.6564052E-01	G1	3.4162292E-02	G3 3.6007888E-02
(3P+,5F-)	F0	8.4284341E-01	F2	7.6561769E-02	G2	4.7701412E-02	G4 3.2148716E-02
(3P+,6S+)	F0	8.1272965E-01	G1	1.2691989E-02			
(3P+,6P-)	F0	7.2834090E-01	G2	1.0809838E-02			
(3P+,6P+)	F0	6.3673982E-01	F2	3.4501968E-02	G0	7.0634753E-03	G2 8.7439545E-03
(3P+,6D-)	F0	3.8713692E-01	F2	1.1450428E-02	G1	2.3631790E-03	G3 2.3798761E-03
(3P+,7S+)	F0	2.9072196E-01	G1	1.3077947E-03			
(3D-,3D-)	F0	6.6102923E+00	F2	3.3388873E+00			
(3D-,3D+)	F0	6.4802064E+00	F2	3.2898284E+00	G2	3.1964132E+00	G4 2.0577493E+00
(3D-,4S+)	F0	3.4855802E+00	G2	3.0543255E-01			
(3D-,4P-)	F0	3.5216639E+00	G1	3.1676739E-01			
(3D-,4P+)	F0	3.2128402E+00	F2	8.2426361E-01	G1	2.6126823E-01	G3 2.5748739E-01

TABLE 1.– CONTINUED

PROTOACTINIUM 5F2 6D1 Z=91

(3D-,4D-)	F0	3.2773702E+00	F2	8.7800448E-01	G0	2.8231297E-01	G2	3.4616227E-01				
(3D-,4D+)	F0	3.1908754E+00	F2	8.4036122E-01	G2	3.2485216E-01	G4	2.5273565E-01				
(3D-,4F-)	F0	3.2377098E+00	F2	9.3841481E-01	G1	7.7785201E-01	G3	4.5872189E-01				
(3D-,4F+)	F0	3.1895561E+00	F2	9.0605812E-01	G3	4.3290587E-01	G5	3.0012785E-01				
(3D-,5S+)	F0	1.7795957E+00	G2	6.5228301E-02								
(3D-,5P-)	F0	1.7234822E+00	G1	6.1755336E-02								
(3D-,5P+)	F0	1.5566229E+00	F2	1.9301322E-01	G1	5.1876760E-02	G3	5.3417549E-02				
(3D-,5D-)	F0	1.4069356E+00	F2	1.6514437E-01	G0	4.4293761E-02	G2	5.3149133E-02				
(3D-,5D+)	F0	1.3636959E+00	F2	1.5640422E-01	G2	5.4108700E-02	G4	4.3143908E-02				
(3D-,5F-)	F0	8.4589229E-01	F2	6.4498654E-02	G1	4.9823641E-02	G3	2.9904809E-02				
(3D-,6S+)	F0	8.1664141E-01	G2	1.2522876E-02								
(3D-,6P-)	F0	7.3156393E-01	G1	1.0021118E-02								
(3D-,6P+)	F0	6.3916155E-01	F2	3.0537801E-02	G1	7.7803383E-03	G3	8.0777738E-03				
(3D-,6D-)	F0	5.8817998E-01	F2	1.0603557E-02	G0	2.6484985E-03	G2	3.5098539E-03				
(3D-,7S+)	F0	2.9112738E-01	G2	1.2924803E-03								
(3D+,3D+)	F0	6.3599071E+00	F2	3.2520104E+00	F4	2.0948089E+00						
(3D+,4S+)	F0	3.4627431E+00	G2	3.1372782E-01								
(3D+,4P-)	F0	3.4967571E+00	G3	3.2067450E-01								
(3D+,4P+)	F0	3.1925028E+00	F2	8.4711627E-01	G1	2.6293683E-01	G3	2.6456000E-01				
(3D+,4D-)	F0	3.2545871E+00	F2	8.9596755E-01	G2	3.3236908E-01	G4	2.6323891E-01				
(3D+,4D+)	F0	3.1697096E+00	F2	8.5753085E-01	F4	4.1775537E-01	G0	2.6558911E-01	G2	3.3322882E-01	G4	2.6157514E-01
(3D+,4F-)	F0	3.2286488E+00	F2	9.8019591E-01	F4	5.1758940E-01	G1	8.1406658E-01	G3	4.8157143E-01	G5	3.3391113E-01
(3D+,4F+)	F0	3.1811657E+00	F2	9.4731652E-01	F4	4.8896826E-01	G1	7.9615557E-01	G3	4.7106966E-01	G5	3.2665543E-01
(3D+,5S+)	F0	1.7740187E+00	G2	6.6105481E-02								
(3D+,5P-)	F0	1.7178133E+00	G3	6.5118865E-02								
(3D+,5P+)	F0	1.5520384E+00	F2	1.9881535E-01	G1	5.1849500E-02	G3	5.4603340E-02				
(3D+,5D-)	F0	1.4028143E+00	F2	1.6896847E-01	G2	5.5541459E-02	G4	4.5169194E-02				
(3D+,5D+)	F0	1.3599010E+00	F2	1.6300436E-01	F4	7.0300374E-02	G0	4.1210323E-02	G2	5.5385066E-02	G4	4.4584656E-02
(3D+,5F-)	F0	8.4524823E-01	F2	6.7337947E-02	F4	3.1269022E-02	G1	5.1379525E-02	G3	3.0985819E-02	G5	2.1652923E-02
(3D+,6S+)	F0	8.1554019E-01	G2	1.2662489E-02								
(3D+,6P-)	F0	7.3061625E-01	G3	1.0650755E-02								
(3D+,6P+)	F0	6.3845702E-01	F2	3.1497912E-02	G1	7.7671533E-03	G3	8.2496659E-03				
(3D+,6D-)	F0	3.8792857E-01	F2	1.0877072E-02	G2	3.3506705E-03	G4	2.7346509E-03				
(3D+,7S+)	F0	2.9101320E-01	G2	1.3064283E-03								
(4S+,4S+)	F0	2.7499445E+00										
(4S+,4P-)	F0	2.7575083E+00	G1	1.8428231E+00								
(4S+,4P+)	F0	2.6051023E+00	G1	1.7084172E+00								
(4S+,4D-)	F0	2.6190311E+00	G2	1.2929092E+00								
(4S+,4D+)	F0	2.5747456E+00	G2	1.2545301E+00								
(4S+,4F-)	F0	2.6179989E+00	G3	9.3731605E-01								
(4S+,4F+)	F0	2.5974022E+00	G3	9.3531888E-01								
(4S+,5S+)	F0	1.6160490E+00	G0	1.0226169E-01								
(4S+,5P-)	F0	1.5649534E+00	G1	1.1557271E-01								
(4S+,5P+)	F0	1.4283467E+00	G1	1.2851857E-01								
(4S+,5D-)	F0	1.2948309E+00	G2	8.8984357E-02								
(4S+,5D+)	F0	1.2590068E+00	G2	9.1859086E-02								
(4S+,5F-)	F0	8.0832766E-01	G3	2.4338146E-02								
(4S+,6S+)	F0	7.8476673E-01	G0	1.6663182E-02								
(4S+,6P-)	F0	7.0537519E-01	G1	1.6698790E-02								
(4S+,6P+)	F0	6.1962540E-01	G1	1.7228725E-02								
(4S+,6D-)	F0	3.8138359E-01	G2	4.9400942E-03								
(4S+,7S+)	F0	2.8782924E-01	G0	1.6784084E-03								
(4P-,4P-)	F0	2.7671063E+00										
(4P-,4P+)	F0	2.6111668E+00	G2	1.2841545E+00								
(4P-,4D-)	F0	2.6258186E+00	G1	1.6886184E+00								

TABLE 1.– CONTINUED

PROTOACTINIUM 5F2 6D1 Z=91

(4P-,4D+)	F0	2.5807025E+00	G3	1.0260583E+00						
(4P-,4F-)	F0	2.6234279E+00	G2	1.1465511E+00						
(4P-,4F+)	F0	2.6025159E+00	G4	8.0376229E-01						
(4P-,5S+)	F0	1.6179128E+00	G1	1.3573636E-01						
(4P-,5P-)	F0	1.5671544E+00	G0	1.0198845E-01						
(4P-,5P+)	F0	1.4299427E+00	G2	1.1940866E-01						
(4P-,5D-)	F0	1.2962247E+00	G1	1.0152776E-01						
(4P-,5D+)	F0	1.2602633E+00	G3	8.5963955E-02						
(4P-,5F-)	F0	8.0871194E-01	G2	2.7557974E-02						
(4P-,6S+)	F0	7.8513355E-01	G1	2.2701455E-02						
(4P-,6P-)	F0	7.6574071E-01	G0	1.4378541E-02						
(4P-,6P+)	F0	6.1987184E-01	G2	1.6444017E-02						
(4P-,6D-)	F0	3.8146854E-01	G1	5.5659730E-03						
(4P-,7S+)	F0	2.8786725E-01	G1	2.2952685E-03						
(4P+,4P+)	F0	2.4859553E+00	F2	1.2933358E+00						
(4P+,4D-)	F0	2.4943551E+00	F2	1.2728549E+00	G1	1.5745822E+00	G3	1.0020135E+00		
(4P+,4D+)	F0	2.4572556E+00	F2	1.2584059E+00	G1	1.5765338E+00	G3	9.9972636E-01		
(4P+,4F-)	F0	2.4855824E+00	F2	1.2430091E+00	G2	1.0218531E+00	G4	7.3286546E-01		
(4P+,4F+)	F0	2.4682395E+00	F2	1.2396668E+00	G2	1.0273935E+00	G4	7.3607070E-01		
(4P+,5S+)	F0	1.5885549E+00	G1	1.5061856E-01						
(4P+,5P-)	F0	1.5393238E+00	G2	1.3798689E-01						
(4P+,5P+)	F0	1.4072639E+00	F2	4.2694424E-01	G0	8.8755551E-02	G2	1.1356677E-01		
(4P+,5D-)	F0	1.2772517E+00	F2	3.4341894E-01	G1	7.5358328E-02	G3	7.5738161E-02		
(4P+,5D+)	F0	1.2423773E+00	F2	3.2463595E-01	G1	7.7707642E-02	G3	7.4900464E-02		
(4P+,5F-)	F0	8.0181621E-01	F2	1.3083598E-01	G2	2.0368729E-02	G4	1.9168419E-02		
(4P+,6S+)	F0	7.7952147E-01	G1	2.3601695E-02						
(4P+,6P-)	F0	7.0122039E-01	G2	1.9723828E-02						
(4P+,6P+)	F0	6.1647340E-01	F2	7.3172491E-02	G0	1.1536173E-02	G2	1.5492552E-02		
(4P+,6D-)	F0	3.8033337E-01	F2	2.4903660E-02	G1	4.1512025E-03	G3	4.3179788E-03		
(4P+,7S+)	F0	2.8728822E-01	G1	2.3670577E-03						
(4D-,4D-)	F0	2.5096025E+00	F2	1.2716622E+00						
(4D-,4D+)	F0	2.4708110E+00	F2	1.2532109E+00	G2	1.2447132E+00	G4	8.3971067E-01		
(4D-,4F-)	F0	2.4998605E+00	F2	1.2402182E+00	G1	1.3722515E+00	G3	9.0740855E-01		
(4D-,4F+)	F0	2.4818319E+00	F2	1.2359764E+00	G3	9.0333040E-01	G5	6.5169025E-01		
(4D-,5S+)	F0	1.5908592E+00	G2	1.7161911E-01						
(4D-,5P-)	F0	1.5416413E+00	G1	1.5112364E-01						
(4D-,5P+)	F0	1.4091555E+00	F2	4.2430539E-01	G1	1.1454704E-01	G3	1.1496250E-01		
(4D-,5D-)	F0	1.2799936E+00	F2	3.4483791E-01	G0	8.1435856E-02	G2	9.8875522E-02		
(4D-,5D+)	F0	1.2449430E+00	F2	3.2584944E-01	G2	9.5009372E-02	G4	7.9755255E-02		
(4D-,5F-)	F0	8.0269600E-01	F2	1.3113212E-01	G1	2.4039934E-02	G3	2.4955339E-02		
(4D-,6S+)	F0	7.7999037E-01	G2	2.6440177E-02						
(4D-,6P-)	F0	7.0161041E-01	G1	1.9900863E-02						
(4D-,6P+)	F0	6.1676360E-01	F2	7.2795296E-02	G1	1.4998395E-02	G3	1.5673284E-02		
(4D-,6D-)	F0	3.8049867E-01	F2	2.4987007E-02	G0	4.4199088E-03	G2	5.5731069E-03		
(4D-,7S+)	F0	2.8733697E-01	G2	2.6502154E-03						
(4D+,4D+)	F0	2.4342860E+00	F2	1.2383719E+00	F4	8.3506740E-01				
(4D+,4F-)	F0	2.4600746E+00	F2	1.2156339E+00	F4	7.8533000E-01	G1	1.3177450E+00	G3	8.7607474E-01	G5	6.3365471E-01
(4D+,4F+)	F0	2.4430054E+00	F2	1.2125414E+00	F4	7.8498526E-01	G1	1.3269589E+00	G3	8.8144505E-01	G5	6.3735917E-01
(4D+,5S+)	F0	1.5820186E+00	G2	1.8354635E-01						
(4D+,5P-)	F0	1.5333242E+00	G3	1.5807092E-01						
(4D+,5P+)	F0	1.4024151E+00	F2	4.3488268E-01	G1	1.1762550E-01	G3	1.1892118E-01		
(4D+,5D-)	F0	1.2743899E+00	F2	3.5333262E-01	G2	9.8342308E-02	G4	8.4195111E-02		
(4D+,5D+)	F0	1.2396844E+00	F2	3.3385260E-01	F4	1.5836115E-01	G0	7.7708013E-02	G2	9.5182027E-02	G4	8.0675850E-02
(4D+,5F-)	F0	8.0072945E-01	F2	1.3472145E-01	F4	5.1967154E-02	G1	2.2541660E-02	G3	2.4166146E-02	G5	2.0354758E-02
(4D+,6S+)	F0	7.7831336E-01	G2	2.7450780E-02						

TABLE 1.– CONTINUED

PROTOACTINIUM 5F2 6D1 Z=91

(4D+,6P-)	F0	7.0026669E-01	G3	2.1778451E-02						
(4D+,6P+)	F0	6.1575541E-01	F2	7.4975185E-02	G1	1.5176621E-02	G3	1.6048263E-02		
(4D+,6D-)	F0	3.8016316E-01	F2	2.5766185E-02	G2	5.5217402E-03	G4	4.8193774E-03		
(4D+,7S+)	F0	2.8716410E-01	G2	2.7437810E-03						
(4F-,4F-)	F0	2.5244031E+00	F2	1.2954368E+00	F4	8.3493985E-01				
(4F-,4F+)	F0	2.5052728E+00	F2	1.2868891E+00	F4	8.2969423E-01	G2	1.2757283E+00	G4	8.2282673E-01	G6	5.9884670E-01
(4F-,5S+)	F0	1.5876332E+00	G3	1.8290848E-01						
(4F-,5P-)	F0	1.5384474E+00	G2	1.7722959E-01						
(4F-,5P+)	F0	1.4068238E+00	F2	4.2390769E-01	G2	1.2769784E-01	G4	1.1765535E-01		
(4F-,5D-)	F0	1.2781562E+00	F2	3.4563037E-01	G1	9.9676245E-02	G3	1.0373057E-01		
(4F-,5D+)	F0	1.2432639E+00	F2	3.2641349E-01	F4	1.5722139E-01	G1	9.1769166E-02	G3	9.5937284E-02	G5	8.0022085E-02
(4F-,5F-)	F0	8.0417551E-01	F2	1.3743259E-01	F4	5.7594341E-02	G0	3.6889375E-02	G2	4.4723408E-02	G4	3.4562787E-02
(4F-,6S+)	F0	7.7948751E-01	G3	2.6378170E-02						
(4F-,6P-)	F0	7.0115795E-01	G2	2.1430902E-02						
(4F-,6P+)	F0	6.1643820E-01	F2	7.3189459E-02	G2	1.5684437E-02	G4	1.5344036E-02		
(4F-,6D-)	F0	3.8038973E-01	F2	2.5179612E-02	G1	5.2189526E-03	G3	5.6952043E-03		
(4F-,7S+)	F0	2.8728615E-01	G3	2.6359695E-03						
(4F+,4F+)	F0	2.4866611E+00	F2	1.2789723E+00	F4	8.2493765E-01	F6	6.0038761E-01		
(4F+,5S+)	F0	1.5831861E+00	G3	1.8788824E-01						
(4F+,5P-)	F0	1.5342812E+00	G4	1.6093002E-01						
(4F+,5P+)	F0	1.4034803E+00	F2	4.2904818E-01	G2	1.3110710E-01	G4	1.2046304E-01		
(4F+,5D-)	F0	1.2753999E+00	F2	3.4995994E-01	G3	1.0513063E-01	G5	8.7479634E-02		
(4F+,5D+)	F0	1.2406790E+00	F2	3.3052610E-01	F4	1.5990375E-01	G1	9.3646281E-02	G3	9.7940281E-02	G5	8.1697680E-02
(4F+,5F-)	F0	8.0316900E-01	F2	1.3919766E-01	F4	5.8367143E-02	G2	4.4243100E-02	G4	3.4376720E-02	G6	2.6794680E-02
(4F+,6S+)	F0	7.7865449E-01	G3	2.6760804E-02						
(4F+,6P-)	F0	7.0049227E-01	G4	2.1110682E-02						
(4F+,6P+)	F0	6.1594081E-01	F2	7.4274401E-02	G2	1.5929375E-02	G4	1.5593119E-02		
(4F+,6D-)	F0	3.8022494E-01	F2	2.5576361E-02	G3	5.7401536E-03	G5	4.8840911E-03		
(4F+,7S+)	F0	2.8720035E-01	G3	2.6711408E-03						
(5S+,5S+)	F0	1.3134456E+00								
(5S+,5P-)	F0	1.2864447E+00	G1	8.8999445E-01						
(5S+,5P+)	F0	1.2107444E+00	G1	7.7587313E-01						
(5S+,5D-)	F0	1.1246823E+00	G2	5.0200120E-01						
(5S+,5D+)	F0	1.1004951E+00	G2	4.6589450E-01						
(5S+,5F-)	F0	7.5341110E-01	G3	1.3715619E-01						
(5S+,6S+)	F0	7.3227987E-01	G0	3.7714897E-02						
(5S+,6P-)	F0	6.6387168E-01	G1	4.3571547E-02						
(5S+,6P+)	F0	5.8877764E-01	G1	4.5322749E-02						
(5S+,6D-)	F0	3.7148969E-01	G2	1.7830045E-02						
(5S+,7S+)	F0	2.8246339E-01	G0	3.3888177E-03						
(5P-,5P-)	F0	1.2613845E+00								
(5P-,5P+)	F0	1.1906514E+00	G2	6.0778886E-01						
(5P-,5D-)	F0	1.1089710E+00	G1	6.7154901E-01						
(5P-,5D+)	F0	1.0859657E+00	G3	3.9678584E-01						
(5P-,5F-)	F0	7.4852019E-01	G2	1.8630765E-01						
(5P-,6S+)	F0	7.2822994E-01	G1	5.3598500E-02						
(5P-,6P-)	F0	6.6070799E-01	G0	3.2432744E-02						
(5P-,6P+)	F0	5.8635672E-01	G2	3.8924361E-02						
(5P-,6D-)	F0	3.7068758E-01	G1	2.0212150E-02						
(5P-,7S+)	F0	2.8205512E-01	G1	4.8440348E-03						
(5P+,5P+)	F0	1.1339925E+00	F2	6.1108466E-01						
(5P+,5D-)	F0	1.0643696E+00	F2	5.6152902E-01	G1	7.1151935E-01	G3	4.4866634E-01		
(5P+,5D+)	F0	1.0447337E+00	F2	5.4699289E-01	G1	6.8632475E-01	G3	4.3233286E-01		
(5P+,5F-)	F0	7.3451578E-01	F2	2.9764939E-01	G2	2.2934828E-01	G4	1.5548905E-01		
(5P+,6S+)	F0	7.1668140E-01	G1	6.9191172E-02						

TABLE 1.– CONTINUED

PROTOACTINIUM 5F2 6D1 Z=91

(5P+,6P-)	F0	6.5166145E-01	G2	4.9151546E-02						
(5P+,6P+)	F0	5.7951941E-01	F2	1.5861807E-01	G0	2.7101567E-02	G2	3.7045969E-02		
(5P+,6D-)	F0	3.6842654E-01	F2	5.9049107E-02	G1	1.6644299E-02	G3	1.3422691E-02		
(5P+,7S+)	F0	2.6089387E-01	G1	5.7689065E-03						
(5D-,5D-)	F0	1.0074068E+00	F2	5.3296171E-01						
(5D-,5D+)	F0	9.9118564E-01	F2	5.2400233E-01	G2	5.2250400E-01	G4	3.5543107E-01		
(5D-,5F-)	F0	7.1442204E-01	F2	3.1201553E-01	G1	3.5189615E-01	G3	2.1560915E-01		
(5D-,6S+)	F0	7.0167150E-01	G2	1.1613116E-01						
(5D-,6P-)	F0	6.4025174E-01	G1	8.3580723E-02						
(5D-,6P+)	F0	5.7109521E-01	F2	1.7834411E-01	G1	4.8039273E-02	G3	4.7167838E-02		
(5D-,6D-)	F0	3.6572877E-01	F2	6.7783355E-02	G0	1.1354037E-02	G2	1.4636115E-02		
(5D-,7S+)	F0	2.7942502E-01	G2	8.3435075E-03						
(5D+,5D+)	F0	9.7593035E-01	F2	5.1668468E-01	F4	3.5130426E-01				
(5D+,5F-)	F0	7.0859679E-01	F2	3.1553234E-01	F4	1.9805161E-01	G1	3.6255609E-01	G3	2.2216134E-01	G5	1.5774055E-01
(5D+,6S+)	F0	6.9727736E-01	G2	1.2873997E-01						
(5D+,6P-)	F0	6.3691019E-01	G3	8.1808727E-02						
(5D+,6P+)	F0	5.6864988E-01	F2	1.8380494E-01	G1	5.3214395E-02	G3	5.0995592E-02		
(5D+,6D-)	F0	3.6495248E-01	F2	7.0288474E-02	G2	1.4772612E-02	G4	1.2703079E-02		
(5D+,7S+)	F0	2.7900020E-01	G2	8.8996404E-03						
(5F-,5F-)	F0	5.7352749E-01	F2	2.7377699E-01	F4	1.7502196E-01				
(5F-,6S+)	F0	5.7954895E-01	G3	1.9412398E-01						
(5F-,6P-)	F0	5.4311163E-01	G2	2.0824210E-01						
(5F-,6P+)	F0	4.9868014E-01	F2	2.2833245E-01	G2	1.6771029E-01	G4	1.2021533E-01		
(5F-,6D-)	F0	3.4236152E-01	F2	1.1678440E-01	G1	8.9009857E-02	G3	6.0153697E-02		
(5F-,7S+)	F0	2.6758816E-01	G3	2.2385191E-02						
(6S+,6S+)	F0	5.9356461E-01								
(6S+,6P-)	F0	5.5816904E-01	G1	3.8178053E-01						
(6S+,6P+)	F0	5.1320128E-01	G1	3.0233199E-01						
(6S+,6D-)	F0	3.4909415E-01	G2	7.1937181E-02						
(6S+,7S+)	F0	2.6991873E-01	G0	9.9688204E-03						
(6P-,6P-)	F0	5.2942617E-01								
(6P-,6P+)	F0	4.9184878E-01	G2	2.5330598E-01						
(6P-,6D-)	F0	3.4281386E-01	G1	1.2541815E-01						
(6P-,7S+)	F0	2.6704530E-01	G1	1.6979955E-02						
(6P+,6P+)	F0	4.6290866E-01	F2	2.5193546E-01						
(6P+,6D-)	F0	3.3359402E-01	F2	1.4938207E-01	G1	1.6277810E-01	G3	1.0056557E-01		
(6P+,7S+)	F0	2.6314804E-01	G1	2.8942681E-02						
(6D-,7S+)	F0	2.3400038E-01	G2	9.1081941E-02						
(7S+,7S+)	F0	2.1260337E-01								

URANIUM 5F3 6D1 Z=92

(1S+,1S+)	F0	7.0288832E+01		
(1S+,2S+)	F0	2.3721935E+01	G0	3.1333417E+00
(1S+,2P-)	F0	2.8365360E+01	G1	4.4391113E+00
(1S+,2P+)	F0	2.2276744E+01	G1	3.5115956E+00
(1S+,3S+)	F0	9.5929989E+00	G0	6.4893546E-01
(1S+,3P-)	F0	1.0541535E+01	G1	9.0043764E-01
(1S+,3P+)	F0	8.8919285E+00	G1	8.1327251E-01
(1S+,3D-)	F0	8.9260879E+00	G2	3.0459933E-02
(1S+,3D+)	F0	8.4938764E+00	G2	3.5337950E-02
(1S+,4S+)	F0	4.3780688E+00	G0	1.7122391E-01

TABLE 1.– CONTINUED

URANIUM 5F3 6D1 Z=92

(1S+,4P-)	F0	4.5536710E+00	G1	2.3002798E-01
(1S+,4P+)	F0	3.9436605E+00	G1	2.1060225E-01
(1S+,4D-)	F0	3.7996766E+00	G2	8.8379204E-03
(1S+,4D+)	F0	3.6470691E+00	G2	1.0304266E-02
(1S+,4F-)	F0	3.3816458E+00	G3	3.8768499E-05
(1S+,4F+)	F0	3.3241264E+00	G3	5.0896103E-05
(1S+,5S+)	F0	2.0300263E+00	G0	4.3547790E-02
(1S+,5P-)	F0	1.9940106E+00	G1	5.4777839E-02
(1S+,5P+)	F0	1.7494502E+00	G1	4.9639609E-02
(1S+,5D-)	F0	1.5335522E+00	G2	1.7715538E-03
(1S+,5D+)	F0	1.4757326E+00	G2	2.0479696E-03
(1S+,5F-)	F0	9.0992178E-01	G3	3.5243237E-06
(1S+,6S+)	F0	8.7965788E-01	G0	8.7094113E-03
(1S+,6P-)	F0	7.9041934E-01	G1	9.2753855E-03
(1S+,6P+)	F0	6.7804416E-01	G1	7.6660018E-03
(1S+,6D-)	F0	4.0066361E-01	G2	1.0667499E-04
(1S+,7S+)	F0	3.0040914E-01	G0	8.7963384E-04
(2S+,2S+)	F0	1.6087192E+01		
(2S+,2P-)	F0	1.7567669E+01	G1	8.6797663E+00
(2S+,2P+)	F0	1.6039457E+01	G1	9.1188544E+00
(2S+,3S+)	F0	7.9965332E+00	G0	7.6161417E-01
(2S+,3P-)	F0	8.5171346E+00	G1	6.9817656E-01
(2S+,3P+)	F0	7.6292269E+00	G1	5.9851435E-01
(2S+,3D-)	F0	8.5621208E+00	G2	1.8531663E+00
(2S+,3D+)	F0	8.2222990E+00	G2	1.7269505E+00
(2S+,4S+)	F0	3.9527288E+00	G0	1.7192249E-01
(2S+,4P-)	F0	4.0386748E+00	G1	1.6077143E-01
(2S+,4P+)	F0	3.6229020E+00	G1	1.3227575E-01
(2S+,4D-)	F0	3.7029219E+00	G2	3.9305232E-01
(2S+,4D+)	F0	3.5748886E+00	G2	3.7292430E-01
(2S+,4F-)	F0	3.3792058E+00	G3	2.7794711E-02
(2S+,4F+)	F0	3.3221744E+00	G3	2.6773473E-02
(2S+,5S+)	F0	1.9215456E+00	G0	4.2141072E-02
(2S+,5P-)	F0	1.8714416E+00	G1	3.7386567E-02
(2S+,5P+)	F0	1.6741681E+00	G1	3.0093401E-02
(2S+,5D-)	F0	1.5144992E+00	G2	7.3891070E-02
(2S+,5D+)	F0	1.4616547E+00	G2	6.9697276E-02
(2S+,5F-)	F0	9.0970416E-01	G3	2.4194996E-03
(2S+,6S+)	F0	8.5794719E-01	G0	8.3554101E-03
(2S+,6P-)	F0	7.6966719E-01	G1	6.2982561E-03
(2S+,6P+)	F0	6.6642829E-01	G1	4.6136085E-03
(2S+,6D-)	F0	3.9951942E-01	G2	4.4061907E-03
(2S+,7S+)	F0	2.9821615E-01	G0	8.4268665E-04
(2P-,2P-)	F0	2.0081240E+01		
(2P-,2P+)	F0	1.7817577E+01	G2	7.3220062E+00
(2P-,3S+)	F0	8.2724493E+00	G1	8.0518944E-01
(2P-,3P-)	F0	8.9235990E+00	G0	1.0429039E+00
(2P-,3P+)	F0	7.9536327E+00	G2	8.1955536E-01
(2P-,3D-)	F0	8.7036587E+00	G1	1.8382723E+00
(2P-,3D+)	F0	8.3322152E+00	G3	9.0250768E-01
(2P-,4S+)	F0	4.0249612E+00	G1	1.8995668E-01
(2P-,4P-)	F0	4.1396458E+00	G0	2.2856509E-01
(2P-,4P+)	F0	3.7037817E+00	G2	1.9017249E-01
(2P-,4D-)	F0	3.7396839E+00	G1	4.0802453E-01
(2P-,4D+)	F0	3.6035455E+00	G3	2.0598858E-01

TABLE 1.– CONTINUED

URANIUM 5F3 6D1 Z=92

(2P-,4F-)	F0	3.3803317E+00	G2	2.0654761E-02			
(2P-,4F+)	F0	3.3230874E+00	G4	1.2184340E-02			
(2P-,5S+)	F0	1.9398898E+00	G1	4.7023825E-02			
(2P-,5P-)	F0	1.8953382E+00	G0	5.2544892E-02			
(2P-,5P+)	F0	1.6930671E+00	G2	4.3699433E-02			
(2P-,5D-)	F0	1.5217028E+00	G1	7.7460169E-02			
(2P-,5D+)	F0	1.4672212E+00	G3	3.8956236E-02			
(2P-,5F-)	F0	9.0980439E-01	G2	1.8036462E-03			
(2P-,6S+)	F0	8.6161481E-01	G1	9.3448656E-03			
(2P-,6P-)	F0	7.7370820E-01	G0	8.8299235E-03			
(2P-,6P+)	F0	6.6934168E-01	G2	6.7130601E-03			
(2P-,6D-)	F0	3.9995169E-01	G1	4.6259639E-03			
(2P-,7S+)	F0	2.9858655E-01	G1	9.4282966E-04			
(2P+,2P+)	F0	1.6272755E+01	F2	7.7082232E+00			
(2P+,3S+)	F0	7.9804234E+00	G1	7.9190511E-01			
(2P+,3P-)	F0	8.5397185E+00	G2	9.0176201E-01			
(2P+,3P+)	F0	7.6712104E+00	F2	1.9345572E+00	G0	7.8324837E-01	G2 8.4659396E-01
(2P+,3D-)	F0	8.5651953E+00	F2	2.6813005E+00	G1	2.3538780E+00	G3 1.3537764E+00
(2P+,3D+)	F0	8.2222318E+00	F2	2.4510103E+00	G1	2.2797797E+00	G3 1.3123126E+00
(2P+,4S+)	F0	3.9481190E+00	G1	1.8069460E-01			
(2P+,4P-)	F0	4.0433360E+00	G2	2.0367058E-01			
(2P+,4P+)	F0	3.6330914E+00	F2	4.8040559E-01	G0	1.6741060E-01	G2 1.9513402E-01
(2P+,4D-)	F0	3.7048192E+00	F2	5.7126917E-01	G1	4.7558178E-01	G3 2.8274321E-01
(2P+,4D+)	F0	3.5757624E+00	F2	5.2433478E-01	G1	4.7296890E-01	G3 2.8057195E-01
(2P+,4F-)	F0	3.3789037E+00	F2	2.5499542E-01	G2	3.7488158E-02	G4 2.4207959E-02
(2P+,4F+)	F0	3.3218994E+00	F2	2.4107827E-01	G2	3.6896383E-02	G4 2.3819782E-02
(2P+,5S+)	F0	1.9203497E+00	G1	4.4409477E-02			
(2P+,5P-)	F0	1.8724901E+00	G2	4.7172293E-02			
(2P+,5P+)	F0	1.6765323E+00	F2	1.1195260E-01	G0	3.7763253E-02	G2 4.4768123E-02
(2P+,5D-)	F0	1.5149100E+00	F2	1.0789972E-01	G1	8.8685375E-02	G3 5.3094218E-02
(2P+,5D+)	F0	1.4618562E+00	F2	9.8213168E-02	G1	8.7825137E-02	G3 5.2426831E-02
(2P+,5F-)	F0	9.0967823E-01	F2	1.9893105E-02	G2	3.2328146E-03	G4 2.0910963E-03
(2P+,6S+)	F0	8.5770690E-01	G1	8.8106534E-03			
(2P+,6P-)	F0	7.6984246E-01	G2	7.9399974E-03			
(2P+,6P+)	F0	6.6679220E-01	F2	1.7376503E-02	G0	5.7789778E-03	G2 6.8749400E-03
(2P+,6D-)	F0	3.9954442E-01	F2	6.5309117E-03	G1	5.2821501E-03	G3 3.1656931E-03
(2P+,7S+)	F0	2.9819186E-01	G1	8.8869056E-04			
(3S+,3S+)	F0	6.1035632E+00					
(3S+,3P-)	F0	6.2909380E+00	G1	3.8728293E+00			
(3S+,3P+)	F0	5.4086512E+00	G1	3.8041711E+00			
(3S+,3D-)	F0	6.3179593E+00	G2	2.5695034E+00			
(3S+,3D+)	F0	6.2098204E+00	G2	2.6117017E+00			
(3S+,4S+)	F0	3.5007959E+00	G0	2.6639774E-01			
(3S+,4P-)	F0	3.5350967E+00	G1	2.7310584E-01			
(3S+,4P+)	F0	3.2225193E+00	G1	2.9311898E-01			
(3S+,4D-)	F0	3.2691075E+00	G2	1.9337920E-01			
(3S+,4D+)	F0	3.1822277E+00	G2	1.8290126E-01			
(3S+,4F-)	F0	3.2833800E+00	G3	5.5897532E-01			
(3S+,4F+)	F0	3.2353057E+00	G3	5.3831513E-01			
(3S+,5S+)	F0	1.8083746E+00	G0	5.5167316E-02			
(3S+,5P-)	F0	1.7537209E+00	G1	5.5092415E-02			
(3S+,5P+)	F0	1.5815840E+00	G1	5.8018020E-02			
(3S+,5D-)	F0	1.4333611E+00	G2	3.5101402E-02			
(3S+,5D+)	F0	1.3888304E+00	G2	3.2232812E-02			
(3S+,5F-)	F0	9.0178366E-01	G3	4.0404140E-02			

TABLE 1.– CONTINUED

URANIUM 5F3 6D1 Z=92

(3S+,6S+)	F0	8.3539008E-01	G0	1.0554053E-02				
(3S+,6P-)	F0	7.4980825E-01	G1	9.0223655E-03				
(3S+,6P+)	F0	6.5218479E-01	G1	8.6601454E-03				
(3S+,6D-)	F0	3.9468349E-01	G2	2.0850475E-03				
(3S+,7S+)	F0	2.9593917E-01	G0	1.0583569E-03				
(3P-,3P-)	F0	6.5277027E+00						
(3P-,3P+)	F0	6.0859993E+00	G2	2.8151843E+00				
(3P-,3D-)	F0	6.5485139E+00	G1	3.6427869E+00				
(3P-,3D+)	F0	6.4238497E+00	G3	2.3168072E+00				
(3P-,4S+)	F0	3.5418228E+00	G1	3.2940746E-01				
(3P-,4P-)	F0	3.5841103E+00	G0	3.0249900E-01				
(3P-,4P+)	F0	3.2613647E+00	G2	3.0579492E-01				
(3P-,4D-)	F0	3.3074545E+00	G1	2.0326402E-01				
(3P-,4D+)	F0	3.2183577E+00	G3	2.0581239E-01				
(3P-,4F-)	F0	3.2981506E+00	G2	6.2963398E-01				
(3P-,4F+)	F0	3.2488595E+00	G4	3.9517645E-01				
(3P-,5S+)	F0	1.8185228E+00	G1	7.0745695E-02				
(3P-,5P-)	F0	1.7650395E+00	G0	5.9707161E-02				
(3P-,5P+)	F0	1.5904875E+00	G2	6.3303555E-02				
(3P-,5D-)	F0	1.4403897E+00	G1	3.4322956E-02				
(3P-,5D+)	F0	1.3953930E+00	G3	3.5485693E-02				
(3P-,5F-)	F0	9.0298707E-01	G2	4.5822677E-02				
(3P-,6S+)	F0	8.3740745E-01	G1	1.3633743E-02				
(3P-,6P-)	F0	7.5171300E-01	G0	9.7396495E-03				
(3P-,6P+)	F0	6.5355222E-01	G2	9.5302871E-03				
(3P-,6D-)	F0	3.9510122E-01	G1	2.0184017E-03				
(3P-,7S+)	F0	2.9614272E-01	G1	1.3687713E-03				
(3P+,3P+)	F0	5.7433055E+00	F2	2.8425758E+00				
(3P+,3D-)	F0	6.0993124E+00	F2	2.8474179E+00	G1	2.9651048E+00	G3	1.9718510E+00
(3P+,3D+)	F0	6.0006046E+00	F2	2.8595285E+00	G1	3.0536995E+00	G3	2.0308676E+00
(3P+,4S+)	F0	3.4618388E+00	G1	3.3608560E-01				
(3P+,4P-)	F0	3.4967921E+00	G2	3.4390245E-01				
(3P+,4P+)	F0	3.1915734E+00	F2	9.3243696E-01	G0	2.5330225E-01	G2	2.9303231E-01
(3P+,4D-)	F0	3.2354847E+00	F2	9.3944079E-01	G1	2.2334942E-01	G3	2.2895628E-01
(3P+,4D+)	F0	3.1500882E+00	F2	8.9325214E-01	G1	2.0232527E-01	G3	2.1217975E-01
(3P+,4F-)	F0	3.2583486E+00	F2	1.1492134E+00	G2	7.8932191E-01	G4	5.2475800E-01
(3P+,4F+)	F0	3.2118893E+00	F2	1.1145253E+00	G2	7.6642112E-01	G4	5.0996319E-01
(3P+,5S+)	F0	1.7988550E+00	G1	6.8958873E-02				
(3P+,5P-)	F0	1.7449707E+00	G2	6.8945521E-02				
(3P+,5P+)	F0	1.5746122E+00	F2	2.2371097E-01	G0	4.9044532E-02	G2	6.0067131E-02
(3P+,5D-)	F0	1.4271832E+00	F2	1.8352238E-01	G1	4.0804049E-02	G3	4.1029875E-02
(3P+,5D+)	F0	1.3829896E+00	F2	1.7257287E-01	G1	3.5703605E-02	G3	3.7625228E-02
(3P+,5F-)	F0	8.9985822E-01	F2	8.6557629E-02	G2	5.4294970E-02	G4	3.6619837E-02
(3P+,6S+)	F0	8.3350250E-01	G1	1.3180468E-02				
(3P+,6P-)	F0	7.4833874E-01	G2	1.1284329E-02				
(3P+,6P+)	F0	6.5111749E-01	F2	3.5611910E-02	G0	7.2933299E-03	G2	9.0261824E-03
(3P+,6D-)	F0	3.9431617E-01	F2	1.1685197E-02	G1	2.4162560E-03	G3	2.4298464E-03
(3P+,7S+)	F0	2.9574879E-01	G1	1.3215721E-03				
(3D-,3D-)	F0	6.7052052E+00	F2	3.3862959E+00				
(3D-,3D+)	F0	6.5700843E+00	F2	3.3352972E+00	G2	3.2381280E+00	G4	2.0847025E+00
(3D-,4S+)	F0	3.5461283E+00	G2	3.1195836E-01				
(3D-,4P-)	F0	3.5851485E+00	G1	3.2398897E-01				
(3D-,4P+)	F0	3.2639505E+00	F2	8.3854724E-01	G1	2.6591325E-01	G3	2.6205184E-01
(3D-,4D-)	F0	3.3340322E+00	F2	8.9569044E-01	G0	2.8837591E-01	G2	3.5360466E-01
(3D-,4D+)	F0	3.2445721E+00	F2	8.5677954E-01	G2	3.3144916E-01	G4	2.5788079E-01

TABLE 1.– CONTINUED

URANIUM 5F3 6D1 Z=92

(3D-,4F-)	F0	3.3021597E+00	F2	9.6262665E-01	G1	8.0063761E-01	G3	4.7223921E-01			
(3D-,4F+)	F0	3.2522760E+00	F2	9.2893377E-01	G3	4.4521286E-01	G5	3.0869221E-01			
(3D-,5S+)	F0	1.8195015E+00	G2	6.7369494E-02							
(3D-,5P-)	F0	1.7651431E+00	G1	6.3991049E-02							
(3D-,5P+)	F0	1.5910308E+00	F2	1.9915749E-01	G1	5.3565981E-02	G3	5.5176326E-02			
(3D-,5D-)	F0	1.4451849E+00	F2	1.7223545E-01	G0	4.6241979E-02	G2	6.0765677E-02			
(3D-,5D+)	F0	1.4001222E+00	F2	1.6302283E-01	G2	5.6471952E-02	G4	4.5046703E-02			
(3D-,5F-)	F0	9.0337788E-01	F2	7.2996094E-02	G1	5.6783978E-02	G3	3.4109632E-02			
(3D-,6S+)	F0	8.3759789E-01	G2	1.3013353E-02							
(3D-,6P-)	F0	7.5172563E-01	G1	1.0446549E-02							
(3D-,6P+)	F0	6.5363405E-01	F2	3.1511862E-02	G1	8.0231963E-03	G3	8.3343110E-03			
(3D-,6D-)	F0	3.9538544E-01	F2	1.0816117E-02	G0	2.6960391E-03	G2	3.5774119E-03			
(3D-,7S+)	F0	2.9616187E-01	G2	1.3070099E-03							
(3D+,3D+)	F0	6.4453649E+00	F2	3.2962454E+00	F4	2.1234389E+00					
(3D+,4S+)	F0	3.5222016E+00	G2	3.2070337E-01							
(3D+,4P-)	F0	3.5590180E+00	G3	3.2816168E-01							
(3D+,4P+)	F0	3.2427068E+00	F2	8.6227926E-01	G1	2.6763744E-01	G3	2.6941568E-01			
(3D+,4D-)	F0	3.3101746E+00	F2	9.1435468E-01	G2	3.3917158E-01	G4	2.6874486E-01			
(3D+,4D+)	F0	3.2224381E+00	F2	8.7460860E-01	F4	4.2655651E-01	G0	2.7097738E-01	G2	3.4021200E-01	G4 2.6712715E-01
(3D+,4F-)	F0	3.2925888E+00	F2	1.0063630E+00	F4	5.2553531E-01	G1	8.3849813E-01	G3	4.9615522E-01	G5 3.4406121E-01
(3D+,4F+)	F0	3.2434264E+00	F2	9.7212866E-01	F4	5.0296581E-01	G1	8.2008367E-01	G3	4.8535898E-01	G5 3.3660226E-01
(3D+,5S+)	F0	1.8135835E+00	G2	6.8296856E-02							
(3D+,5P-)	F0	1.7591044E+00	G3	6.7526826E-02							
(3D+,5P+)	F0	1.5861666E+00	F2	2.0525912E-01	G1	5.3532618E-02	G3	5.6427610E-02			
(3D+,5D-)	F0	1.4407649E+00	F2	1.7628703E-01	G2	5.7969807E-02	G4	4.7184417E-02			
(3D+,5D+)	F0	1.3960580E+00	F2	1.6683487E-01	F4	7.3475576E-02	G0	4.2963453E-02	G2	5.7837007E-02	G4 4.6588437E-02
(3D+,5F-)	F0	9.0262195E-01	F2	7.6259938E-02	F4	3.5630648E-02	G1	5.8548978E-02	G3	3.5344649E-02	G5 2.4709013E-02
(3D+,6S+)	F0	8.3642139E-01	G2	1.3161108E-02							
(3D+,6P-)	F0	7.5070922E-01	G3	1.1112935E-02							
(3D+,6P+)	F0	6.5288712E-01	F2	3.2523190E-02	G1	8.0384401E-03	G3	8.5153393E-03			
(3D+,6D-)	F0	3.9512236E-01	F2	1.1101206E-02	G2	3.4102417E-03	G4	2.7865110E-03			
(3D+,7S+)	F0	2.9604316E-01	G2	1.3213633E-03							
(4S+,4S+)	F0	2.7987572E+00									
(4S+,4P-)	F0	2.8075533E+00	G1	1.8748017E+00							
(4S+,4P+)	F0	2.6486467E+00	G1	1.7333276E+00							
(4S+,4D-)	F0	2.6653018E+00	G2	1.3152068E+00							
(4S+,4D+)	F0	2.6193922E+00	G2	1.2855281E+00							
(4S+,4F-)	F0	2.6691692E+00	G3	9.5604932E-01							
(4S+,4F+)	F0	2.6479270E+00	G3	9.5422226E-01							
(4S+,5S+)	F0	1.6511973E+00	G0	1.0519639E-01							
(4S+,5P-)	F0	1.6013653E+00	G1	1.1894780E-01							
(4S+,5P+)	F0	1.4590350E+00	G1	1.3268985E-01							
(4S+,5D-)	F0	1.3285288E+00	G2	9.2388347E-02							
(4S+,5D+)	F0	1.2912929E+00	G2	9.5443045E-02							
(4S+,5F-)	F0	8.6087758E-01	G3	2.7037670E-02							
(4S+,6S+)	F0	8.0457763E-01	G0	1.7217649E-02							
(4S+,6P-)	F0	7.2448877E-01	G1	1.7264119E-02							
(4S+,6P+)	F0	6.3354787E-01	G1	1.7744037E-02							
(4S+,6D-)	F0	3.8848547E-01	G2	4.9943367E-03							
(4S+,7S+)	F0	2.9283677E-01	G0	1.6874610E-03							
(4P-,4P-)	F0	2.8184998E+00									
(4P-,4P+)	F0	2.6556721E+00	G2	1.3016990E+00							
(4P-,4D-)	F0	2.6731438E+00	G1	1.7178011E+00							
(4P-,4D+)	F0	2.6263107E+00	G3	1.0427429E+00							
(4P-,4F-)	F0	2.6756982E+00	G2	1.1698175E+00							

TABLE 1.– CONTINUED

URANIUM 5F3 6D1 Z=92

(4P-,4F+)	F0	2.6540998E+00	G4	8.2054995E-01						
(4P-,5S+)	F0	1.6533394E+00	G1	1.3947079E-01						
(4P-,5P-)	F0	1.6038598E+00	G0	1.0525279E-01						
(4P-,5P+)	F0	1.4608482E+00	G2	1.2300204E-01						
(4P-,5D-)	F0	1.3301253E+00	G1	1.0560566E-01						
(4P-,5D+)	F0	1.2927346E+00	G3	8.9388318E-02						
(4P-,5F-)	F0	8.6136772E-01	G2	3.0604873E-02						
(4P-,6S+)	F0	8.0500100E-01	G1	2.3440601E-02						
(4P-,6P-)	F0	7.2490519E-01	G0	1.4904142E-02						
(4P-,6P+)	F0	6.3382703E-01	G2	1.6902031E-02						
(4P-,6D-)	F0	3.8858026E-01	G1	5.6364336E-03						
(4P-,7S+)	F0	2.9287945E-01	G1	2.3061409E-03						
(4P+,4P+)	F0	2.5256497E+00	F2	1.3136035E+00						
(4P+,4D-)	F0	2.5361794E+00	F2	1.2937131E+00	G1	1.5988351E+00	G3	1.0179623E+00		
(4P+,4D+)	F0	2.4978571E+00	F2	1.2789503E+00	G1	1.6014999E+00	G3	1.0159735E+00		
(4P+,4F-)	F0	2.5313391E+00	F2	1.2655762E+00	G2	1.0374319E+00	G4	7.4497661E-01		
(4P+,4F+)	F0	2.5135266E+00	F2	1.2623903E+00	G2	1.0435833E+00	G4	7.4859474E-01		
(4P+,5S+)	F0	1.6223423E+00	G1	1.5531937E-01						
(4P+,5P-)	F0	1.5743609E+00	G2	1.4281825E-01						
(4P+,5P+)	F0	1.4369114E+00	F2	4.3826028E-01	G0	9.1292644E-02	G2	1.1676355E-01		
(4P+,5D-)	F0	1.3098819E+00	F2	3.5583579E-01	G1	7.7839533E-02	G3	7.8539067E-02		
(4P+,5D+)	F0	1.2736693E+00	F2	3.3617129E-01	G1	8.0243822E-02	G3	7.7619205E-02		
(4P+,5F-)	F0	8.5339475E-01	F2	1.4617942E-01	G2	2.2624955E-02	G4	2.1443410E-02		
(4P+,6S+)	F0	7.9903742E-01	G1	2.4395570E-02						
(4P+,6P-)	F0	7.2008299E-01	G2	2.0476098E-02						
(4P+,6P+)	F0	6.3024363E-01	F2	7.5268102E-02	G0	1.1830605E-02	G2	1.5888621E-02		
(4P+,6D-)	F0	3.8739889E-01	F2	2.5372816E-02	G1	4.1761419E-03	G3	4.3630009E-03		
(4P+,7S+)	F0	2.9228066E-01	G1	2.3801441E-03						
(4D-,4D-)	F0	2.5538902E+00	F2	1.2939002E+00						
(4D-,4D+)	F0	2.5136984E+00	F2	1.2747885E+00	G2	1.2658214E+00	G4	8.5421391E-01		
(4D-,4F-)	F0	2.5482067E+00	F2	1.2543889E+00	G1	1.3953535E+00	G3	9.2415490E-01		
(4D-,4F+)	F0	2.5296295E+00	F2	1.2602030E+00	G3	9.2010306E-01	G5	6.6421833E-01		
(4D-,5S+)	F0	1.6252083E+00	G2	1.7616504E-01						
(4D-,5P-)	F0	1.5772155E+00	G1	1.5582814E-01						
(4D-,5P+)	F0	1.4392312E+00	F2	4.3494847E-01	G1	1.1748814E-01	G3	1.1794991E-01		
(4D-,5D-)	F0	1.3130565E+00	F2	3.5684015E-01	G0	8.4476770E-02	G2	1.0259222E-01		
(4D-,5D+)	F0	1.2766402E+00	F2	3.3699264E-01	G2	9.8523419E-02	G4	8.2764489E-02		
(4D-,5F-)	F0	8.5450533E-01	F2	1.4626383E-01	G1	2.6646571E-02	G3	2.7956657E-02		
(4D-,6S+)	F0	7.9961758E-01	G2	2.7258981E-02						
(4D-,6P-)	F0	7.2056349E-01	G1	2.0583861E-02						
(4D-,6P+)	F0	6.3059770E-01	F2	7.4755407E-02	G1	1.5351851E-02	G3	1.6051417E-02		
(4D-,6D-)	F0	3.8758542E-01	F2	2.5413301E-02	G0	4.4629215E-03	G2	5.6323736E-03		
(4D-,7S+)	F0	2.9233927E-01	G2	2.6586678E-03						
(4D+,4D+)	F0	2.4759021E+00	F2	1.2595041E+00	F4	8.4956868E-01				
(4D+,4F-)	F0	2.5067962E+00	F2	1.2386134E+00	F4	8.0016763E-01	G1	1.3379288E+00	G3	8.9111378E-01	G5	6.4501293E-01
(4D+,4F+)	F0	2.4892303E+00	F2	1.2356367E+00	F4	8.0001353E-01	G1	1.3479498E+00	G3	8.9701319E-01	G5	6.4909953E-01
(4D+,5S+)	F0	1.6159334E+00	G2	1.8863085E-01						
(4D+,5P-)	F0	1.5684545E+00	G3	1.6318967E-01						
(4D+,5P+)	F0	1.4321594E+00	F2	4.4591816E-01	G1	1.2060873E-01	G3	1.2202966E-01		
(4D+,5D-)	F0	1.3071113E+00	F2	3.6570599E-01	G2	1.0200414E-01	G4	8.7425435E-02		
(4D+,5D+)	F0	1.2710673E+00	F2	3.4534359E-01	F4	1.6444122E-01	G0	8.0532921E-02	G2	9.8696717E-02	G4	8.3730890E-02
(4D+,5F-)	F0	8.5224408E-01	F2	1.5028513E-01	F4	5.8831315E-02	G1	2.5084593E-02	G3	2.7130479E-02	G5	2.2925135E-02
(4D+,6S+)	F0	7.9784674E-01	G2	2.8323138E-02						
(4D+,6P-)	F0	7.1913893E-01	G3	2.2560726E-02						
(4D+,6P+)	F0	6.2954096E-01	F2	7.7030866E-02	G1	1.5527182E-02	G3	1.6435732E-02		

TABLE 1.– CONTINUED

URANIUM 5F3 6D1 Z=92

(4D+,6D-)	F0 3.8723823E-01	F2 2.6221107E-02	G2 5.5776347E-03	G4 4.8754104E-03				
(4D+,7S+)	F0 2.9216162E-01	G2 2.7535292E-03						
(4F-,4F-)	F0 2.5782422E+00	F2 1.3253334E+00	F4 8.5477203E-01					
(4F-,4F+)	F0 2.5584216E+00	F2 1.3165158E+00	F4 8.4937210E-01	G2 1.3046683E+00	G4 8.4207710E-01	G6 6.1304514E-01		
(4F-,5S+)	F0 1.6230045E+00	G3 1.8599207E-01						
(4F-,5P-)	F0 1.5749403E+00	G2 1.8072434E-01						
(4F-,5P+)	F0 1.4376440E+00	F2 4.3330946E-01	G2 1.2946559E-01	G4 1.1967219E-01				
(4F-,5D-)	F0 1.3117928E+00	F2 3.5649413E-01	G1 1.0232223E-01	G3 1.0684118E-01				
(4F-,5D+)	F0 1.2755040E+00	F2 3.3645615E-01	F4 1.6230444E-01	G1 9.4182721E-02	G3 9.8747812E-02	G5 8.2491706E-02		
(4F-,5F-)	F0 8.5643847E-01	F2 1.5278555E-01	F4 6.4823158E-02	G0 4.1209136E-02	G2 5.0271482E-02	G4 3.8944466E-02		
(4F-,6S+)	F0 7.9930117E-01	G3 2.7073433E-02						
(4F-,6P-)	F0 7.2025400E-01	G2 2.2094166E-02						
(4F-,6P+)	F0 6.3038170E-01	F2 7.4876852E-02	G2 1.5947331E-02	G4 1.5632708E-02				
(4F-,6D-)	F0 3.8751233E-01	F2 2.5501458E-02	G1 5.2303575E-03	G3 5.7244072E-03				
(4F-,7S+)	F0 2.9230845E-01	G3 2.6337957E-03						
(4F+,4F+)	F0 2.5391499E+00	F2 1.3083684E+00	F4 8.4449252E-01	F6 6.1481094E-01				
(4F+,5S+)	F0 1.6183761E+00	G3 1.9109713E-01						
(4F+,5P-)	F0 1.5705852E+00	G4 1.6455465E-01						
(4F+,5P+)	F0 1.4341617E+00	F2 4.3862693E-01	G2 1.3290741E-01	G4 1.2253092E-01				
(4F+,5D-)	F0 1.3088868E+00	F2 3.6099133E-01	G3 1.0823790E-01	G5 9.0215630E-02				
(4F+,5D+)	F0 1.2727811E+00	F2 3.4072523E-01	F4 1.6508837E-01	G1 9.6067138E-02	G3 1.0080335E-01	G5 8.4222245E-02		
(4F+,5F-)	F0 8.5528389E-01	F2 1.5472955E-01	F4 6.5689084E-02	G2 4.9703131E-02	G4 3.8718666E-02	G6 3.0215369E-02		
(4F+,6S+)	F0 7.9842746E-01	G3 2.7467746E-02						
(4F+,6P-)	F0 7.1955293E-01	G4 2.1755110E-02						
(4F+,6P+)	F0 6.2986375E-01	F2 7.6001195E-02	G2 1.6195697E-02	G4 1.5887538E-02				
(4F+,6D-)	F0 3.8734279E-01	F2 2.5909195E-02	G3 5.7671964E-03	G5 4.9153505E-03				
(4F+,7S+)	F0 2.9222087E-01	G3 2.6690678E-03						
(5S+,5S+)	F0 1.3426989E+00							
(5S+,5P-)	F0 1.3162604E+00	G1 9.1030653E-01						
(5S+,5P+)	F0 1.2372750E+00	G1 7.9068181E-01						
(5S+,5D-)	F0 1.1529967E+00	G2 5.1592741E-01						
(5S+,5D+)	F0 1.1279047E+00	G2 4.7830271E-01						
(5S+,5F-)	F0 7.9908416E-01	G3 1.5434664E-01						
(5S+,6S+)	F0 7.5067946E-01	G0 3.8728086E-02						
(5S+,6P-)	F0 6.8170964E-01	G1 4.4620025E-02						
(5S+,6P+)	F0 6.0211169E-01	G1 4.6220898E-02						
(5S+,6D-)	F0 3.7852852E-01	G2 1.7773011E-02						
(5S+,7S+)	F0 2.8747372E-01	G0 3.3884290E-03						
(5P-,5P-)	F0 1.2916556E+00							
(5P-,5P+)	F0 1.2176311E+00	G2 6.1935657E-01						
(5P-,5D-)	F0 1.1374692E+00	G1 6.8883248E-01						
(5P-,5D+)	F0 1.1135579E+00	G3 4.0665494E-01						
(5P-,5F-)	F0 7.9378709E-01	G2 2.6810259E-01						
(5P-,6S+)	F0 7.4668776E-01	G1 5.4891078E-02						
(5P-,6P-)	F0 6.7858331E-01	G0 3.3353814E-02						
(5P-,6P+)	F0 5.9974480E-01	G2 3.9694954E-02						
(5P-,6D-)	F0 3.7775578E-01	G1 2.0139890E-02						
(5P-,7S+)	F0 2.8708205E-01	G1 4.8332983E-03						
(5P+,5P+)	F0 1.1586277E+00	F2 6.2408098E-01						
(5P+,5D-)	F0 1.0905212E+00	F2 5.7560105E-01	G1 7.2986139E-01	G3 4.6048262E-01				
(5P+,5D+)	F0 1.0702016E+00	F2 5.6068231E-01	G1 7.0419729E-01	G3 4.4379284E-01				
(5P+,5F-)	F0 7.7764974E-01	F2 3.2403355E-01	G2 2.5510671E-01	G4 1.7315360E-01				
(5P+,6S+)	F0 7.3455073E-01	G1 7.1304508E-02						
(5P+,6P-)	F0 6.6904379E-01	G2 5.0824644E-02						
(5P+,6P+)	F0 5.9261840E-01	F2 1.6237024E-01	G0 2.7624999E-02	G2 3.7729476E-02				

TABLE 1.– CONTINUED

URANIUM 5F3 6D1 Z=92

(5P+,6D-)	F0 3.7543361E-01	F2 6.0020022E-02	G1 1.6450337E-02	G3 1.3349655E-02
(5P+,7S+)	F0 2.8589409E-01	G1 5.7830127E-03		
(5D-,5D-)	F0 1.0343463E+00	F2 5.4702898E-01		
(5D-,5D+)	F0 1.0174326E+00	F2 5.3768703E-01	G2 5.3606535E-01	G4 3.6490946E-01
(5D-,5F-)	F0 7.5609452E-01	F2 3.3709676E-01	G1 3.8503693E-01	G3 2.3637109E-01
(5D-,6S+)	F0 7.1976672E-01	G2 1.1785079E-01		
(5D-,6P-)	F0 6.5776061E-01	G1 8.5275231E-02		
(5D-,6P+)	F0 5.8438612E-01	F2 1.8174249E-01	G1 4.8265990E-02	G3 4.7550062E-02
(5D-,6D-)	F0 3.7283717E-01	F2 6.8599567E-02	G0 1.1352944E-02	G2 1.4625097E-02
(5D-,7S+)	F0 2.8448541E-01	G2 8.2857122E-03		
(5D+,5D+)	F0 1.0015432E+00	F2 5.3009180E-01	F4 3.6066256E-01	
(5D+,5F-)	F0 7.4950977E-01	F2 3.4046823E-01	F4 2.1545938E-01	G1 3.9588981E-01 G3 2.4309723E-01 G5 1.7281494E-01
(5D+,6S+)	F0 7.1519796E-01	G2 1.3096455E-01		
(5D+,6P-)	F0 6.5427031E-01	G3 8.3802830E-02		
(5D+,6P+)	F0 5.8186116E-01	F2 1.8741456E-01	G1 5.3489302E-02	G3 5.1444785E-02
(5D+,6D-)	F0 3.7204626E-01	F2 7.1193163E-02	G2 1.4770030E-02	G4 1.2717912E-02
(5D+,7S+)	F0 2.8405497E-01	G2 8.8544321E-03		
(5F-,5F-)	F0 6.1601001E-01	F2 2.9683935E-01	F4 1.9063974E-01	
(5F-,6S+)	F0 6.0722301E-01	G3 2.0113349E-01		
(5F-,6P-)	F0 5.6844222E-01	G2 2.1293205E-01		
(5F-,6P+)	F0 5.1698779E-01	F2 2.3451067E-01	G2 1.6702581E-01	G4 1.2058730E-01
(5F-,6D-)	F0 3.5235468E-01	F2 1.1589369E-01	G1 8.2695217E-02	G3 5.6832065E-02
(5F-,7S+)	F0 2.7414005E-01	G3 2.0124160E-02		
(6S+,6S+)	F0 6.0868104E-01			
(6S+,6P-)	F0 5.7299601E-01	G1 3.9231496E-01		
(6S+,6P+)	F0 5.2531639E-01	G1 3.0830518E-01		
(6S+,6D-)	F0 3.5603752E-01	G2 7.3294090E-02		
(6S+,7S+)	F0 2.7496683E-01	G0 9.9898635E-03		
(6P-,6P-)	F0 5.4390700E-01			
(6P-,6P+)	F0 5.0392026E-01	G2 2.5857022E-01		
(6P-,6D-)	F0 3.4978103E-01	G1 1.2710494E-01		
(6P-,7S+)	F0 2.7214153E-01	G1 1.6960851E-02		
(6P+,6P+)	F0 4.7337882E-01	F2 2.5758247E-01		
(6P+,6D-)	F0 3.4009411E-01	F2 1.5203787E-01	G1 1.6611489E-01	G3 1.0251970E-01
(6P+,7S+)	F0 2.6810081E-01	G1 2.9536299E-02		
(6D-,7S+)	F0 2.3812758E-01	G2 9.2724947E-02		
(7S+,7S+)	F0 2.1650448E-01			

NEPTUNIUM 5F4 6D1 Z=93

(1S+,1S+)	F0 7.1483813E+01	
(1S+,2S+)	F0 2.4163493E+01	G0 3.2167297E+00
(1S+,2P-)	F0 2.8930440E+01	G1 4.4975882E+00
(1S+,2P+)	F0 2.2560452E+01	G1 3.5351273E+00
(1S+,3S+)	F0 9.7682785E+00	G0 6.6725518E-01
(1S+,3P-)	F0 1.0744997E+01	G1 9.1358439E-01
(1S+,3P+)	F0 9.0184189E+00	G1 8.2290064E-01
(1S+,3D-)	F0 9.0543472E+00	G2 3.0440482E-02
(1S+,3D+)	F0 8.6057481E+00	G2 3.5518439E-02
(1S+,4S+)	F0 4.4627355E+00	G0 1.7679272E-01
(1S+,4P-)	F0 4.6472161E+00	G1 2.3450462E-01
(1S+,4P+)	F0 4.0095019E+00	G1 2.1442640E-01

TABLE 1.– CONTINUED

NEPTUNIUM 5F4 6D1 Z=93

(1S+,4D-)	F0	3.8674067E+00	G2	8.9122269E-03
(1S+,4D+)	F0	3.7089782E+00	G2	1.0456461E-02
(1S+,4F-)	F0	3.4482373E+00	G3	3.9463104E-05
(1S+,4F+)	F0	3.3885368E+00	G3	5.2297271E-05
(1S+,5S+)	F0	2.0785622E+00	G0	4.5509118E-02
(1S+,5P-)	F0	2.0459890E+00	G1	5.6649955E-02
(1S+,5P+)	F0	1.7891430E+00	G1	5.1277773E-02
(1S+,5D-)	F0	1.5749819E+00	G2	1.8270200E-03
(1S+,5D+)	F0	1.5143792E+00	G2	2.1250990E-03
(1S+,5F-)	F0	9.6145237E-01	G3	3.9126487E-06
(1S+,6S+)	F0	9.0174865E-01	G0	9.1391423E-03
(1S+,6P-)	F0	8.1156463E-01	G1	9.6262078E-03
(1S+,6P+)	F0	6.9216797E-01	G1	7.8839779E-03
(1S+,6D-)	F0	4.0683836E-01	G2	1.0692348E-04
(1S+,7S+)	F0	3.0530141E-01	G0	9.0191949E-04
(2S+,2S+)	F0	1.6363537E+01		
(2S+,2P-)	F0	1.7880151E+01	G1	8.8011792E+00
(2S+,2P+)	F0	1.6275940E+01	G1	9.2543475E+00
(2S+,3S+)	F0	8.1328995E+00	G0	7.7901420E-01
(2S+,3P-)	F0	8.6675036E+00	G1	7.1145322E-01
(2S+,3P+)	F0	7.7394903E+00	G1	6.0992871E-01
(2S+,3D-)	F0	8.6863317E+00	G2	1.8686622E+00
(2S+,3D+)	F0	8.3331881E+00	G2	1.7386846E+00
(2S+,4S+)	F0	4.0251011E+00	G0	1.7662263E-01
(2S+,4P-)	F0	4.1160321E+00	G1	1.6463618E-01
(2S+,4P+)	F0	3.6826273E+00	G1	1.3537749E-01
(2S+,4D-)	F0	3.7686716E+00	G2	4.0002360E-01
(2S+,4D+)	F0	3.6358361E+00	G2	3.7924531E-01
(2S+,4F-)	F0	3.4457331E+00	G3	2.8400706E-02
(2S+,4F+)	F0	3.3865441E+00	G3	2.7353699E-02
(2S+,5S+)	F0	1.9655832E+00	G0	4.3809190E-02
(2S+,5P-)	F0	1.9177338E+00	G1	3.8831560E-02
(2S+,5P+)	F0	1.7113120E+00	G1	3.1223840E-02
(2S+,5D-)	F0	1.5551014E+00	G2	7.6846443E-02
(2S+,5D+)	F0	1.4997956E+00	G2	7.2421950E-02
(2S+,5F-)	F0	9.6120891E-01	G3	2.6927680E-03
(2S+,6S+)	F0	8.7904397E-01	G0	8.7206846E-03
(2S+,6P-)	F0	7.8977287E-01	G1	6.5640823E-03
(2S+,6P+)	F0	6.8021219E-01	G1	4.7646202E-03
(2S+,6D-)	F0	4.0567810E-01	G2	4.4524261E-03
(2S+,7S+)	F0	3.0306048E-01	G0	8.5939272E-04
(2P-,2P-)	F0	2.0458752E+01		
(2P-,2P+)	F0	1.8080635E+01	G2	7.3951169E+00
(2P-,3S+)	F0	8.4164505E+00	G1	8.1933954E-01
(2P-,3P-)	F0	9.0855300E+00	G0	1.0687613E+00
(2P-,3P+)	F0	8.0707147E+00	G2	8.3224180E-01
(2P-,3D-)	F0	8.8300785E+00	G1	1.8514798E+00
(2P-,3D+)	F0	8.4440791E+00	G3	9.0525687E-01
(2P-,4S+)	F0	4.0996646E+00	G1	1.9411416E-01
(2P-,4P-)	F0	4.2203919E+00	G0	2.3539049E-01
(2P-,4P+)	F0	3.7657155E+00	G2	1.9419976E-01
(2P-,4D-)	F0	3.8063532E+00	G1	4.1489403E-01
(2P-,4D+)	F0	3.6650292E+00	G3	2.0867621E-01
(2P-,4F-)	F0	3.4468935E+00	G2	2.1059973E-02
(2P-,4F+)	F0	3.3874803E+00	G4	1.2402470E-02

TABLE 1.– CONTINUED

NEPTUNIUM 5F4 6D1 Z=93

(2P-,5S+)	F0 1.9847503E+00	G1 4.8627016E-02				
(2P-,5P-)	F0 1.9427889E+00	G0 5.4881199E-02				
(2P-,5P+)	F0 1.7310081E+00	G2 4.5257912E-02				
(2P-,5D-)	F0 1.5626509E+00	G1 8.0502510E-02				
(2P-,5D+)	F0 1.5055925E+00	G3 4.0329453E-02				
(2P-,5F-)	F0 9.6132152E-01	G2 2.0033357E-03				
(2P-,6S+)	F0 8.8289194E-01	G1 9.7021709E-03				
(2P-,6P-)	F0 7.9402465E-01	G0 9.2536294E-03				
(2P-,6P+)	F0 6.8323491E-01	G2 6.9207890E-03				
(2P-,6D-)	F0 4.0611836E-01	G1 4.6715157E-03				
(2P-,7S+)	F0 3.0344021E-01	G1 9.5647367E-04				
(2P+,2P+)	F0 1.6475166E+01	F2 7.8024729E+00				
(2P+,3S+)	F0 8.1090530E+00	G1 8.0657377E-01				
(2P+,3P-)	F0 8.6811509E+00	G2 9.1983924E-01				
(2P+,3P+)	F0 7.7757776E+00	F2 1.9632536E+00	G0 7.9569203E-01	G2 8.5974957E-01		
(2P+,3D-)	F0 8.6856326E+00	F2 2.7236711E+00	G1 2.3886970E+00	G3 1.3737426E+00		
(2P+,3D+)	F0 8.3299855E+00	F2 2.4847696E+00	G1 2.3123468E+00	G3 1.3310317E+00		
(2P+,4S+)	F0 4.0184204E+00	G1 1.8455986E-01				
(2P+,4P-)	F0 4.1184289E+00	G2 2.0842717E-01				
(2P+,4P+)	F0 3.6914484E+00	F2 4.9020405E-01	G0 1.7094246E-01	G2 1.9924537E-01		
(2P+,4D-)	F0 3.7696640E+00	F2 5.8451228E-01	G1 4.8589139E-01	G3 2.8892374E-01		
(2P+,4D+)	F0 3.6359416E+00	F2 5.3568373E-01	G1 4.8352605E-01	G3 2.8686701E-01		
(2P+,4F-)	F0 3.4453765E+00	F2 2.6272990E-01	G2 3.8874421E-02	G4 2.5104051E-02		
(2P+,4F+)	F0 3.3862233E+00	F2 2.4812209E-01	G2 3.8269938E-02	G4 2.4737260E-02		
(2P+,5S+)	F0 1.9638391E+00	G1 4.5885645E-02				
(2P+,5P-)	F0 1.9182496E+00	G2 4.8945002E-02				
(2P+,5P+)	F0 1.7133856E+00	F2 1.1582326E-01	G0 3.9395974E-02	G2 4.6357329E-02		
(2P+,5D-)	F0 1.5553434E+00	F2 1.1273102E-01	G1 9.2536357E-02	G3 5.5417362E-02		
(2P+,5D+)	F0 1.4998515E+00	F2 1.0243952E-01	G1 9.1695282E-02	G3 5.4749532E-02		
(2P+,5F-)	F0 9.6117548E-01	F2 2.2183981E-02	G2 3.6490663E-03	G4 2.3605774E-03		
(2P+,6S+)	F0 8.7869254E-01	G1 9.1391033E-03				
(2P+,6P-)	F0 7.8985816E-01	G2 8.2658607E-03				
(2P+,6P+)	F0 6.8052984E-01	F2 1.7901848E-02	G0 5.9550750E-03	G2 7.0864436E-03		
(2P+,6D-)	F0 4.0569260E-01	F2 6.6343013E-03	G1 5.3546054E-03	G3 3.2102612E-03		
(2P+,7S+)	F0 3.0302578E-01	G1 9.0370768E-04				
(3S+,3S+)	F0 6.2043190E+00					
(3S+,3P-)	F0 6.3968330E+00	G1 3.9319885E+00				
(3S+,3P+)	F0 5.9967614E+00	G1 3.8564101E+00				
(3S+,3D-)	F0 6.4156905E+00	G2 2.6124364E+00				
(3S+,3D+)	F0 6.3028891E+00	G2 2.6554936E+00				
(3S+,4S+)	F0 3.5624908E+00	G0 2.7228557E-01				
(3S+,4P-)	F0 3.5997051E+00	G1 2.7868136E-01				
(3S+,4P+)	F0 3.2743059E+00	G1 3.0033958E-01				
(3S+,4D-)	F0 3.3257615E+00	G2 1.9705810E-01				
(3S+,4D+)	F0 3.2358558E+00	G2 1.8659479E-01				
(3S+,4F-)	F0 3.3475645E+00	G3 5.7223627E-01				
(3S+,4F+)	F0 3.2977459E+00	G3 5.5082081E-01				
(3S+,5S+)	F0 1.8483328E+00	G0 5.7006851E-02				
(3S+,5P-)	F0 1.7952954E+00	G1 5.6958313E-02				
(3S+,5P+)	F0 1.6155279E+00	G1 6.0218489E-02				
(3S+,5D-)	F0 1.4704613E+00	G2 3.6487025E-02				
(3S+,5D+)	F0 1.4240150E+00	G2 3.3504546E-02				
(3S+,5F-)	F0 9.5238328E-01	G3 4.4821986E-02				
(3S+,6S+)	F0 8.5557823E-01	G0 1.0943317E-02				
(3S+,6P-)	F0 7.6904633E-01	G1 9.3546752E-03				

TABLE 1.– CONTINUED

NEPTUNIUM 5F4 6D1 Z=93

(3S+,6P+)	F0	6.6554249E-01	G1	8.9430025E-03				
(3S+,6D-)	F0	4.0077666E-01	G2	2.1053331E-03				
(3S+,7S+)	F0	3.0074597E-01	G0	1.0722144E-03				
(3P-,3P-)	F0	6.6403661E+00						
(3P-,3P+)	F0	6.1776805E+00	G2	2.8468132E+00				
(3P-,3D-)	F0	6.6514341E+00	G1	3.7054667E+00				
(3P-,3D+)	F0	6.5212967E+00	G3	2.3532190E+00				
(3P-,4S+)	F0	3.6048395E+00	G1	3.3597312E-01				
(3P-,4P-)	F0	3.6503742E+00	G0	3.0975800E-01				
(3P-,4P+)	F0	3.3142276E+00	G2	3.1191764E-01				
(3P-,4D-)	F0	3.3653245E+00	G1	2.0807414E-01				
(3P-,4D+)	F0	3.2730870E+00	G3	2.1045213E-01				
(3P-,4F-)	F0	3.3628619E+00	G2	6.4390281E-01				
(3P-,4F+)	F0	3.3117577E+00	G4	4.0374450E-01				
(3P-,5S+)	F0	1.8589341E+00	G1	7.2957790E-02				
(3P-,5P-)	F0	1.8071634E+00	G0	6.1950840E-02				
(3P-,5P+)	F0	1.6248104E+00	G2	6.5444476E-02				
(3P-,5D-)	F0	1.4778681E+00	G1	3.5789547E-02				
(3P-,5D+)	F0	1.4309211E+00	G3	3.6990915E-02				
(3P-,5F-)	F0	9.5373806E-01	G2	5.0801966E-02				
(3P-,6S+)	F0	8.5769422E-01	G1	1.4109389E-02				
(3P-,6P-)	F0	7.7105038E-01	G0	1.0134376E-02				
(3P-,6P+)	F0	6.6696172E-01	G2	9.8045394E-03				
(3P-,6D-)	F0	4.0120433E-01	G1	2.0436678E-03				
(3P-,7S+)	F0	3.0095459E-01	G1	1.3840326E-03				
(3P+,3P+)	F0	5.8212330E+00	F2	2.8797148E+00				
(3P+,3D-)	F0	6.1834693E+00	F2	2.8846731E+00	G1	3.0303543E+00	G3	1.9957156E+00
(3P+,3D+)	F0	6.0810571E+00	F2	2.8973030E+00	G1	3.0924044E+00	G3	2.0570706E+00
(3P+,4S+)	F0	3.5207533E+00	G1	3.4361369E-01				
(3P+,4P-)	F0	3.5584368E+00	G2	3.5241608E-01				
(3P+,4P+)	F0	3.2411335E+00	F2	9.4855231E-01	G0	2.5821251E-01	G2	2.9843593E-01
(3P+,4D-)	F0	3.2897366E+00	F2	9.5800368E-01	G1	2.3369393E-01	G3	2.3401220E-01
(3P+,4D+)	F0	3.2014506E+00	F2	9.1017832E-01	G1	2.0646377E-01	G3	2.1651791E-01
(3P+,4F-)	F0	3.3208303E+00	F2	1.1778171E+00	G2	8.1188244E-01	G4	5.3995483E-01
(3P+,4F+)	F0	3.2727730E+00	F2	1.1418142E+00	G2	7.8818265E-01	G4	5.2455177E-01
(3P+,5S+)	F0	1.8380099E+00	G1	7.1136826E-02				
(3P+,5P-)	F0	1.7857321E+00	G2	7.1461580E-02				
(3P+,5P+)	F0	1.6079459E+00	F2	2.3049909E-01	G0	5.0632786E-02	G2	6.1981909E-02
(3P+,5D-)	F0	1.4637014E+00	F2	1.9883785E-01	G1	4.2636653E-02	G3	4.2812464E-02
(3P+,5D+)	F0	1.4176312E+00	F2	1.7928139E-01	G1	3.7194644E-02	G3	3.9189681E-02
(3P+,5F-)	F0	9.5015016E-01	F2	9.5638671E-02	G2	6.0348330E-02	G4	4.0731677E-02
(3P+,6S+)	F0	8.5352312E-01	G1	1.3638433E-02				
(3P+,6P-)	F0	7.6743476E-01	G2	1.1726274E-02				
(3P+,6P+)	F0	6.6438702E-01	F2	3.6572659E-02	G0	7.4908700E-03	G2	9.2677347E-03
(3P+,6D-)	F0	4.0038619E-01	F2	1.1843859E-02	G1	2.4525987E-03	G3	2.4628891E-03
(3P+,7S+)	F0	3.0054344E-01	G1	1.3360443E-03				
(3D-,3D-)	F0	6.8004420E+00	F2	3.4338092E+00				
(3D-,3D+)	F0	6.6601420E+00	F2	3.3808112E+00	G2	3.2797868E+00	G4	2.1116151E+00
(3D-,4S+)	F0	3.6072977E+00	G2	3.1861186E-01				
(3D-,4P-)	F0	3.6492611E+00	G1	3.3135442E-01				
(3D-,4P+)	F0	3.3152224E+00	F2	8.5287110E-01	G1	2.7057378E-01	G3	2.6662831E-01
(3D-,4D-)	F0	3.3908183E+00	F2	9.1340728E-01	G0	2.9446921E-01	G2	3.6107239E-01
(3D-,4D+)	F0	3.2983117E+00	F2	8.7319722E-01	G2	3.3804708E-01	G4	2.6302381E-01
(3D-,4F-)	F0	3.3662806E+00	F2	9.8665765E-01	G1	8.2327462E-01	G3	4.8566781E-01
(3D-,4F+)	F0	3.3146089E+00	F2	9.5158965E-01	G3	4.5739688E-01	G5	3.1717174E-01

TABLE 1.– CONTINUED

NEPTUNIUM 5F4 6D1 Z=93

(3D-,5S+)	F0	1.8594580E+00	G2	6.9515132E-02								
(3D-,5P-)	F0	1.8067578E+00	G1	6.6225951E-02								
(3D-,5P+)	F0	1.6249911E+00	F2	2.0518741E-01	G1	5.5220206E-02	G3	5.6898851E-02				
(3D-,5D-)	F0	1.4825580E+00	F2	1.7913799E-01	G0	4.8137046E-02	G2	6.3312663E-02				
(3D-,5D+)	F0	1.4355647E+00	F2	1.6942775E-01	G2	5.8754049E-02	G4	4.6884974E-02				
(3D-,5F-)	F0	9.5411589E-01	F2	8.0759860E-02	G1	6.3195887E-02	G3	3.7989711E-02				
(3D-,6S+)	F0	8.5779433E-01	G2	1.3473490E-02								
(3D-,6P-)	F0	7.7097670E-01	G1	1.0839847E-02								
(3D-,6P+)	F0	6.6698769E-01	F2	3.2351813E-02	G1	8.2295726E-03	G3	8.5528185E-03				
(3D-,6D-)	F0	4.0147431E-01	F2	1.0957217E-02	G0	2.7250966E-03	G2	3.6201771E-03				
(3D-,7S+)	F0	3.0096439E-01	G2	1.3221607E-03								
(3D+,3D+)	F0	6.5508904E+00	F2	3.3405021E+00	F4	2.1520799E+00						
(3D+,4S+)	F0	3.5822371E+00	G2	3.2783449E-01								
(3D+,4P-)	F0	3.6218568E+00	G3	3.3580252E-01								
(3D+,4P+)	F0	3.2930428E+00	F2	8.7750547E-01	G1	2.7235560E-01	G3	2.7429224E-01				
(3D+,4D-)	F0	3.3658505E+00	F2	9.3279032E-01	G2	3.4598087E-01	G4	2.7425863E-01				
(3D+,4D+)	F0	3.2751796E+00	F2	8.9170157E-01	F4	4.3537122E-01	G0	2.7637492E-01	G2	3.4720727E-01	G4	2.7268896E-01
(3D+,4F-)	F0	3.3561838E+00	F2	1.0323991E+00	F4	5.4042598E-01	G1	8.6281634E-01	G3	5.1067435E-01	G5	3.5416719E-01
(3D+,4F+)	F0	3.3052871E+00	F2	9.9677015E-01	F4	5.1688085E-01	G1	8.4389052E-01	G3	4.9957912E-01	G5	3.4650191E-01
(3D+,5S+)	F0	1.8531856E+00	G2	7.0495173E-02								
(3D+,5P-)	F0	1.8003351E+00	G3	6.9936464E-02								
(3D+,5P+)	F0	1.6198400E+00	F2	2.1159435E-01	G1	5.5180485E-02	G3	5.8216939E-02				
(3D+,5D-)	F0	1.4778330E+00	F2	1.8342005E-01	G2	6.0325087E-02	G4	4.9142418E-02				
(3D+,5D+)	F0	1.4312270E+00	F2	1.7345373E-01	F4	7.6553879E-02	G0	4.4654310E-02	G2	6.0208992E-02	G4	4.8529132E-02
(3D+,5F-)	F0	9.5324991E-01	F2	8.4440385E-02	F4	3.9653263E-02	G1	6.5151766E-02	G3	3.9367977E-02	G5	2.7532481E-02
(3D+,6S+)	F0	8.5654237E-01	G2	1.3629424E-02								
(3D+,6P-)	F0	7.6989195E-01	G3	1.1541372E-02								
(3D+,6P+)	F0	6.6620028E-01	F2	3.3411950E-02	G1	8.2132677E-03	G3	8.7424462E-03				
(3D+,6D-)	F0	4.0120107E-01	F2	1.1252434E-02	G2	3.4466117E-03	G4	2.8188985E-03				
(3D+,7S+)	F0	3.0084095E-01	G2	1.3369506E-03								
(4S+,4S+)	F0	2.8481207E+00										
(4S+,4P-)	F0	2.8581558E+00	G1	1.9070779E+00								
(4S+,4P+)	F0	2.6924671E+00	G1	1.7580693E+00								
(4S+,4D-)	F0	2.7118504E+00	G2	1.3375546E+00								
(4S+,4D+)	F0	2.6642562E+00	G2	1.3064786E+00								
(4S+,4F-)	F0	2.7203858E+00	G3	9.7478955E-01								
(4S+,4F+)	F0	2.6984637E+00	G3	9.7312002E-01								
(4S+,5S+)	F0	1.6864382E+00	G0	1.0812918E-01								
(4S+,5P-)	F0	1.6377860E+00	G1	1.2229239E-01								
(4S+,5P+)	F0	1.4894031E+00	G1	1.3682677E-01								
(4S+,5D-)	F0	1.3615350E+00	G2	9.5710965E-02								
(4S+,5D+)	F0	1.3227956E+00	G2	9.8933410E-02								
(4S+,5F-)	F0	9.0715541E-01	G3	2.9410947E-02								
(4S+,6S+)	F0	8.2371636E-01	G0	1.7732368E-02								
(4S+,6P-)	F0	7.4278431E-01	G1	1.7773415E-02								
(4S+,6P+)	F0	6.4644881E-01	G1	1.8189635E-02								
(4S+,6D-)	F0	3.9452003E-01	G2	5.0184018E-03								
(4S+,7S+)	F0	2.9761133E-01	G0	1.6979395E-03								
(4P-,4P-)	F0	2.8704630E+00										
(4P-,4P+)	F0	2.7004470E+00	G2	1.3190214E+00								
(4P-,4D-)	F0	2.7207461E+00	G1	1.7470148E+00								
(4P-,4D+)	F0	2.6721322E+00	G3	1.0593254E+00								
(4P-,4F-)	F0	2.7280213E+00	G2	1.1931297E+00								
(4P-,4F+)	F0	2.7057005E+00	G4	8.3731970E-01								
(4P-,5S+)	F0	1.6888648E+00	G1	1.4319092E-01								

TABLE 1.– CONTINUED

NEPTUNIUM 5F4 6D1 Z=93

(4P-,5P-)	F0	1.6405821E+00	G0	1.0850896E-01						
(4P-,5P+)	F0	1.4914362E+00	G2	1.2652406E-01						
(4P-,5D-)	F0	1.3633387E+00	G1	1.0961202E-01						
(4P-,5D+)	F0	1.3244260E+00	G3	9.2706658E-02						
(4P-,5F-)	F0	9.0775613E-01	G2	3.3285962E-02						
(4P-,6S+)	F0	8.2419693E-01	G1	2.4122985E-02						
(4P-,6P-)	F0	7.4325203E-01	G0	1.5384860E-02						
(4P-,6P+)	F0	6.4675989E-01	G2	1.7287495E-02						
(4P-,6D-)	F0	3.9462397E-01	G1	5.6737253E-03						
(4P-,7S+)	F0	2.9765865E-01	G1	2.3187579E-03						
(4P+,4P+)	F0	2.5654503E+00	F2	1.3338991E+00						
(4P+,4D-)	F0	2.5780884E+00	F2	1.3145769E+00	G1	1.6230656E+00	G3	1.0338927E+00		
(4P+,4D+)	F0	2.5385080E+00	F2	1.2994911E+00	G1	1.6264656E+00	G3	1.0322120E+00		
(4P+,4F-)	F0	2.5769429E+00	F2	1.2879952E+00	G2	1.0528389E+00	G4	7.5695806E-01		
(4P+,4F+)	F0	2.5586383E+00	F2	1.2849616E+00	G2	1.0596974E+00	G4	7.6099367E-01		
(4P+,5S+)	F0	1.6561641E+00	G1	1.6038890E-01						
(4P+,5P-)	F0	1.6093503E+00	G2	1.4769760E-01						
(4P+,5P+)	F0	1.4662101E+00	F2	4.4935066E-01	G0	9.3775268E-02	G2	1.1988015E-01		
(4P+,5D-)	F0	1.3418000E+00	F2	3.6788567E-01	G1	8.0215964E-02	G3	8.1234651E-02		
(4P+,5D+)	F0	1.3041637E+00	F2	3.4729705E-01	G1	8.2658810E-02	G3	8.0218654E-02		
(4P+,5F-)	F0	8.9874723E-01	F2	1.6004926E-01	G2	2.4626456E-02	G4	2.3482250E-02		
(4P+,6S+)	F0	8.1788222E-01	G1	2.5138442E-02						
(4P+,6P-)	F0	7.3813095E-01	G2	2.1170504E-02						
(4P+,6P+)	F0	6.4300118E-01	F2	7.7076738E-02	G0	1.2075062E-02	G2	1.6214885E-02		
(4P+,6D-)	F0	3.9340306E-01	F2	2.5689952E-02	G1	4.1752583E-03	G3	4.3795710E-03		
(4P+,7S+)	F0	2.9703912E-01	G1	2.3956864E-03						
(4D-,4D-)	F0	2.5982536E+00	F2	1.3161447E+00						
(4D-,4D+)	F0	2.5566205E+00	F2	1.2963519E+00	G2	1.2868968E+00	G4	8.6869135E-01		
(4D-,4F-)	F0	2.5964040E+00	F2	1.2884326E+00	G1	1.4183108E+00	G3	9.4078772E-01		
(4D-,4F+)	F0	2.5772535E+00	F2	1.2842963E+00	G3	9.3675417E-01	G5	6.7665431E-01		
(4D-,5S+)	F0	1.6596004E+00	G2	1.8075691E-01						
(4D-,5P-)	F0	1.6127531E+00	G1	1.6057135E-01						
(4D-,5P+)	F0	1.4689629E+00	F2	4.4536982E-01	G1	1.2035506E-01	G3	1.2085711E-01		
(4D-,5D-)	F0	1.3454155E+00	F2	3.6847043E-01	G0	8.7415272E-02	G2	1.0017427E-01		
(4D-,5D+)	F0	1.3075466E+00	F2	3.4772196E-01	G2	1.0186821E-01	G4	8.5645717E-02		
(4D-,5F-)	F0	9.0009665E-01	F2	1.5988538E-01	G1	2.8929574E-02	G3	3.0637859E-02		
(4D-,6S+)	F0	8.1857485E-01	G2	2.8017846E-02						
(4D-,6P-)	F0	7.3670296E-01	G1	2.1207664E-02						
(4D-,6P+)	F0	6.4341816E-01	F2	7.6429718E-02	G1	1.5639829E-02	G3	1.6359286E-02		
(4D-,6D-)	F0	3.9360928E-01	F2	2.5687553E-02	G0	4.4780835E-03	G2	5.6551347E-03		
(4D-,7S+)	F0	2.9710742E-01	G2	2.6699061E-03						
(4D+,4D+)	F0	2.5175190E+00	F2	1.2806123E+00	F4	8.6404906E-01				
(4D+,4F-)	F0	2.5533307E+00	F2	1.2614408E+00	F4	8.1488924E-01	G1	1.3578987E+00	G3	9.0599757E-01	G5	6.5625635E-01
(4D+,4F+)	F0	2.5352461E+00	F2	1.2585765E+00	F4	8.1492644E-01	G1	1.3687387E+00	G3	9.1243487E-01	G5	6.6073181E-01
(4D+,5S+)	F0	1.6498772E+00	G2	1.9379100E-01						
(4D+,5P-)	F0	1.6035344E+00	G3	1.6834975E-01						
(4D+,5P+)	F0	1.4615543E+00	F2	4.5674024E-01	G1	1.2351852E-01	G3	1.2505970E-01		
(4D+,5D-)	F0	1.3391257E+00	F2	3.7771220E-01	G2	1.0553083E-01	G4	9.0540080E-02		
(4D+,5D+)	F0	1.3016578E+00	F2	3.5642431E-01	F4	1.7029516E-01	G0	8.3242958E-02	G2	1.0206227E-01	G4	8.6658023E-02
(4D+,5F-)	F0	8.9755585E-01	F2	1.6431507E-01	F4	6.5108935E-02	G1	2.7345570E-02	G3	2.9795959E-02	G5	2.5248869E-02
(4D+,6S+)	F0	8.1671144E-01	G2	2.9125695E-02						
(4D+,6P-)	F0	7.3719944E-01	G3	2.3277606E-02						
(4D+,6P+)	F0	6.4231627E-01	F2	7.8796420E-02	G1	1.5811945E-02	G3	1.6751883E-02		
(4D+,6D-)	F0	3.9325250E-01	F2	2.6520533E-02	G2	5.5974409E-03	G4	4.8992982E-03		
(4D+,7S+)	F0	2.9692476E-01	G2	2.7663496E-03						

TABLE 1.– CONTINUED

NEPTUNIUM 5F4 6D1 Z=93

(4F-,4F-)	F0	2.6317377E+00	F2	1.3550036E+00	F4	8.7444662E-01					
(4F-,4F+)	F0	2.6112019E+00	F2	1.3459018E+00	F4	8.6888568E-01	G2	1.3333447E+00	G4	8.6114878E-01	G6 6.2711138E-01
(4F-,5S+)	F0	1.6583794E+00	G3	1.8918221E-01							
(4F-,5P-)	F0	1.6113674E+00	G2	1.8431784E-01							
(4F-,5P+)	F0	1.4680920E+00	F2	4.4254733E-01	G2	1.3122417E-01	G4	1.2165912E-01			
(4F-,5D-)	F0	1.3447173E+00	F2	3.6702871E-01	G1	1.0487793E-01	G3	1.0983986E-01			
(4F-,5D+)	F0	1.3069451E+00	F2	3.4612684E-01	F4	1.6718157E-01	G1	9.6490855E-02	G3	1.0143093E-01	G5 8.4851024E-02
(4F-,5F-)	F0	9.0249611E-01	F2	1.6652307E-01	F4	7.1354448E-02	G0	4.5034473E-02	G2	5.5245529E-02	G4 4.2891541E-02
(4F-,6S+)	F0	8.1844064E-01	G3	2.7713103E-02							
(4F-,6P-)	F0	7.3853437E-01	G2	2.2647450E-02							
(4F-,6P+)	F0	6.4330770E-01	F2	7.6289575E-02	G2	1.6148079E-02	G4	1.5857894E-02			
(4F-,6D-)	F0	3.9357004E-01	F2	2.5676743E-02	G1	5.2126352E-03	G3	5.7196049E-03			
(4F-,7S+)	F0	2.9709511E-01	G3	2.6352506E-03							
(4F+,4F+)	F0	2.5912474E+00	F2	1.3375150E+00	F4	8.6387820E-01	F6	6.2910912E-01			
(4F+,5S+)	F0	1.6535611E+00	G3	1.9442117E-01							
(4F+,5P-)	F0	1.6068153E+00	G4	1.6824438E-01							
(4F+,5P+)	F0	1.4644670E+00	F2	4.4804732E-01	G2	1.3470243E-01	G4	1.2457180E-01			
(4F+,5D-)	F0	1.3416593E+00	F2	3.7169767E-01	G3	1.1123346E-01	G5	9.2854405E-02			
(4F+,5D+)	F0	1.3040827E+00	F2	3.5055576E-01	F4	1.7006877E-01	G1	9.8384197E-02	G3	1.0354030E-01	G5 8.6637587E-02
(4F+,5F-)	F0	9.0120122E-01	F2	1.6863161E-01	F4	7.2306842E-02	G2	5.4590242E-02	G4	4.2625516E-02	G6 3.3300841E-02
(4F+,6S+)	F0	8.1752666E-01	G3	2.8118879E-02							
(4F+,6P-)	F0	7.3779868E-01	G4	2.2338309E-02							
(4F+,6P+)	F0	6.4277067E-01	F2	7.7451502E-02	G2	1.6399359E-02	G4	1.6117876E-02			
(4F+,6D-)	F0	3.9339669E-01	F2	2.6093875E-02	G3	5.7601981E-03	G5	4.9167542E-03			
(4F+,7S+)	F0	2.9700559E-01	G3	2.6707234E-03							
(5S+,5S+)	F0	1.3719904E+00									
(5S+,5P-)	F0	1.3460732E+00	G1	9.3057062E-01							
(5S+,5P+)	F0	1.2636052E+00	G1	8.0507391E-01							
(5S+,5D-)	F0	1.1808521E+00	G2	5.2929406E-01							
(5S+,5D+)	F0	1.1547855E+00	G2	4.9006426E-01							
(5S+,5F-)	F0	8.3920026E-01	G3	1.6976021E-01							
(5S+,6S+)	F0	7.6853076E-01	G0	3.9669969E-02							
(5S+,6P-)	F0	6.9886080E-01	G1	4.5556029E-02							
(5S+,6P+)	F0	6.1455954E-01	G1	4.6978772E-02							
(5S+,6D-)	F0	3.8456319E-01	G2	1.7640233E-02							
(5S+,7S+)	F0	2.9224518E-01	G0	3.3940252E-03							
(5P-,5P-)	F0	1.3218937E+00									
(5P-,5P+)	F0	1.2443877E+00	G2	6.3059106E-01							
(5P-,5D-)	F0	1.1655140E+00	G1	7.0546792E-01							
(5P-,5D+)	F0	1.1406286E+00	G3	4.1601822E-01							
(5P-,5F-)	F0	8.3358569E-01	G2	2.2742537E-01							
(5P-,6S+)	F0	7.6460238E-01	G1	5.6086727E-02							
(5P-,6P-)	F0	6.9577893E-01	G0	3.4193870E-02							
(5P-,6P+)	F0	6.1225247E-01	G2	4.0330924E-02							
(5P-,6D-)	F0	3.8382208E-01	G1	1.9991865E-02							
(5P-,7S+)	F0	2.9186849E-01	G1	4.8316448E-03							
(5P+,5P+)	F0	1.1829286E+00	F2	6.3686910E-01							
(5P+,5D-)	F0	1.1161391E+00	F2	5.8930593E-01	G1	7.4769428E-01	G3	4.7194785E-01			
(5P+,5D+)	F0	1.0950855E+00	F2	5.7396966E-01	G1	7.2151451E-01	G3	4.5487165E-01			
(5P+,5F-)	F0	8.1539095E-01	F2	3.4696781E-01	G2	2.7790871E-01	G4	1.8881756E-01			
(5P+,6S+)	F0	7.5187045E-01	G1	7.3385578E-02							
(5P+,6P-)	F0	6.8574756E-01	G2	5.2416591E-02							
(5P+,6P+)	F0	6.0485031E-01	F2	1.6565360E-01	G0	2.8059704E-02	G2	3.8284858E-02			
(5P+,6D-)	F0	3.8144873E-01	F2	6.0685188E-02	G1	1.6202828E-02	G3	1.3221356E-02			
(5P+,7S+)	F0	2.9065055E-01	G1	5.8128907E-03							

TABLE 1.– CONTINUED

NEPTUNIUM 5F4 6D1 Z=93

(5D-,5D-)	F0	1.0606488E+00	F2	5.6070529E-01						
(5D-,5D+)	F0	1.0430030E+00	F2	5.5095818E-01	G2	5.4920753E-01	G4	3.7407031E-01		
(5D-,5F-)	F0	7.9268077E-01	F2	3.5873705E-01	G1	4.1379136E-01	G3	2.5442100E-01		
(5D-,6S+)	F0	7.3729388E-01	G2	1.1961413E-01						
(5D-,6P-)	F0	6.7458980E-01	G1	8.6976856E-02						
(5D-,6P+)	F0	5.9681258E-01	F2	1.8470154E-01	G1	4.8418159E-02	G3	4.7829131E-02		
(5D-,6D-)	F0	3.7895583E-01	F2	6.9099286E-02	G0	1.1305090E-02	G2	1.4549471E-02		
(5D-,7S+)	F0	2.8929293E-01	G2	8.2573520E-03						
(5D+,5D+)	F0	1.0264450E+00	F2	5.4307059E-01	F4	3.6969599E-01				
(5D+,5F-)	F0	7.8537413E-01	F2	3.6194482E-01	F4	2.3049151E-01	G1	4.2471604E-01	G3	2.6124528E-01	G5	1.8590114E-01
(5D+,6S+)	F0	7.3254266E-01	G2	1.3326694E-01						
(5D+,6P-)	F0	6.7094746E-01	G3	8.5768578E-02						
(5D+,6P+)	F0	5.9421007E-01	F2	1.9059332E-01	G1	5.3699243E-02	G3	5.1796085E-02		
(5D+,6D-)	F0	3.7815285E-01	F2	7.1778078E-02	G2	1.4703534E-02	G4	1.2673630E-02		
(5D+,7S+)	F0	2.8885507E-01	G2	8.8413033E-03						
(5F-,5F-)	F0	6.5280343E-01	F2	3.1648607E-01	F4	2.0393375E-01				
(5F-,6S+)	F0	6.3137283E-01	G3	2.0640201E-01						
(5F-,6P-)	F0	5.9061724E-01	G2	2.1631003E-01						
(5F-,6P+)	F0	5.3634686E-01	F2	2.3917416E-01	G2	1.6565306E-01	G4	1.2031312E-01		
(5F-,6D-)	F0	3.6047701E-01	F2	1.1482716E-01	G1	7.7552483E-02	G3	5.4013395E-02		
(5F-,7S+)	F0	2.7991380E-01	G3	1.8580977E-02						
(6S+,6S+)	F0	6.2328807E-01								
(6S+,6P-)	F0	5.8724789E-01	G1	4.0241605E-01						
(6S+,6P+)	F0	5.3672713E-01	G1	3.1364503E-01						
(6S+,6D-)	F0	3.6207705E-01	G2	7.4257625E-02						
(6S+,7S+)	F0	2.7973812E-01	G0	1.0033472E-02						
(6P-,6P-)	F0	5.5777596E-01								
(6P-,6P+)	F0	5.1527684E-01	G2	2.6337412E-01						
(6P-,6D-)	F0	3.5585677E-01	G1	1.2825901E-01						
(6P-,7S+)	F0	2.7694511E-01	G1	1.6987690E-02						
(6P+,6P+)	F0	4.8309961E-01	F2	2.6282046E-01						
(6P+,6D-)	F0	3.4571984E-01	F2	1.5422867E-01	G1	1.6888862E-01	G3	1.0413010E-01		
(6P+,7S+)	F0	2.7274350E-01	G1	3.0224605E-02						
(6D-,7S+)	F0	2.4175611E-01	G2	9.4243318E-02						
(7S+,7S+)	F0	2.2004861E-01								

PLUTONIUM 5F6 Z=94

(1S+,1S+)	F0	7.2698632E+01		
(1S+,2S+)	F0	2.4613687E+01	G0	3.3027563E+00
(1S+,2P-)	F0	2.9509123E+01	G1	4.5564343E+00
(1S+,2P+)	F0	2.2845424E+01	G1	3.5579688E+00
(1S+,3S+)	F0	9.9464902E+00	G0	6.8614077E-01
(1S+,3P-)	F0	1.0952541E+01	G1	9.2676954E-01
(1S+,3P+)	F0	9.1455861E+00	G1	8.3243227E-01
(1S+,3D-)	F0	9.1833189E+00	G2	3.0401967E-02
(1S+,3D+)	F0	8.7178599E+00	G2	3.5684502E-02
(1S+,4S+)	F0	4.5484950E+00	G0	1.8252428E-01
(1S+,4P-)	F0	4.7421700E+00	G1	2.3897719E-01
(1S+,4P+)	F0	4.0755912E+00	G1	2.1822668E-01
(1S+,4D-)	F0	3.9352818E+00	G2	8.9784917E-03
(1S+,4D+)	F0	3.7708623E+00	G2	1.0602784E-02

TABLE 1.– CONTINUED

PLUTONIUM 5F6 Z=94

(1S+,4F-)	F0	3.5143670E+00	G3	4.0087680E-05
(1S+,4F+)	F0	3.4524132E+00	G3	5.3640460E-05
(1S+,5S+)	F0	2.1267170E+00	G0	4.7491607E-02
(1S+,5P-)	F0	2.0972943E+00	G1	5.8457330E-02
(1S+,5P+)	F0	1.8268139E+00	G1	5.2786078E-02
(1S+,5D-)	F0	1.6122543E+00	G2	1.8698511E-03
(1S+,5D+)	F0	1.5483168E+00	G2	2.1866020E-03
(1S+,5F-)	F0	9.6310610E-01	G3	3.9072024E-06
(1S+,6S+)	F0	9.1401845E-01	G0	9.3308246E-03
(1S+,6P-)	F0	8.1911837E-01	G1	9.5814643E-03
(1S+,6P+)	F0	6.9030349E-01	G1	7.6468932E-03
(1S+,7S+)	F0	2.9580167E-01	G0	8.1400588E-04
(2S+,2S+)	F0	1.6644498E+01		
(2S+,2P-)	F0	1.8198543E+01	G1	8.9234143E+00
(2S+,2P+)	F0	1.6514670E+01	G1	9.3909178E+00
(2S+,3S+)	F0	8.2712303E+00	G0	7.9684291E-01
(2S+,3P-)	F0	8.8203611E+00	G1	7.2497651E-01
(2S+,3P+)	F0	7.8505064E+00	G1	6.2163805E-01
(2S+,3D-)	F0	8.8113167E+00	G2	1.8836607E+00
(2S+,3D+)	F0	8.4444303E+00	G2	1.7498752E+00
(2S+,4S+)	F0	4.0982819E+00	G0	1.8143247E-01
(2S+,4P-)	F0	4.1943533E+00	G1	1.6855995E-01
(2S+,4P+)	F0	3.7426147E+00	G1	1.3854355E-01
(2S+,4D-)	F0	3.8345867E+00	G2	4.0687661E-01
(2S+,4D+)	F0	3.6968005E+00	G2	3.8543626E-01
(2S+,4F-)	F0	3.5118011E+00	G3	2.8969789E-02
(2S+,4F+)	F0	3.4503826E+00	G3	2.7897963E-02
(2S+,5S+)	F0	2.0092262E+00	G0	4.5479698E-02
(2S+,5P-)	F0	1.9633482E+00	G1	4.0251624E-02
(2S+,5P+)	F0	1.7466243E+00	G1	3.2296246E-02
(2S+,5D-)	F0	1.5916606E+00	G2	7.9345934E-02
(2S+,5D+)	F0	1.5333356E+00	G2	7.4638152E-02
(2S+,5F-)	F0	9.6286099E-01	G3	2.6972048E-03
(2S+,6S+)	F0	8.9091757E-01	G0	8.8565270E-03
(2S+,6P-)	F0	7.9716548E-01	G1	6.5627638E-03
(2S+,6P+)	F0	6.7869733E-01	G1	4.6428352E-03
(2S+,7S+)	F0	2.9376616E-01	G0	7.7157318E-04
(2P-,2P-)	F0	2.0844664E+01		
(2P-,2P+)	F0	1.8346329E+01	G2	7.4674120E+00
(2P-,3S+)	F0	8.5626995E+00	G1	8.3366903E-01
(2P-,3P-)	F0	9.2503891E+00	G0	1.0953937E+00
(2P-,3P+)	F0	8.1886951E+00	G2	8.4502048E-01
(2P-,3D-)	F0	8.9572904E+00	G1	1.8640196E+00
(2P-,3D+)	F0	8.5562766E+00	G3	9.0756502E-01
(2P-,4S+)	F0	4.1752582E+00	G1	1.9831659E-01
(2P-,4P-)	F0	4.3022212E+00	G0	2.4240549E-01
(2P-,4P+)	F0	3.8279581E+00	G2	1.9825498E-01
(2P-,4D-)	F0	3.8731944E+00	G1	4.2159732E-01
(2P-,4D+)	F0	3.7265234E+00	G3	2.1123779E-01
(2P-,4F-)	F0	3.5129953E+00	G2	2.1433126E-02
(2P-,4F+)	F0	3.4513411E+00	G4	1.2600355E-02
(2P-,5S+)	F0	2.0292286E+00	G1	5.0207898E-02
(2P-,5P-)	F0	1.9895717E+00	G0	5.7215156E-02
(2P-,5P+)	F0	1.7670854E+00	G2	4.6716227E-02
(2P-,5D-)	F0	1.5995168E+00	G1	8.3056581E-02

TABLE 1.– CONTINUED

PLUTONIUM 5F6 Z=94

(2P-,5D+)	F0	1.5393231E+00	G3	4.1403147E-02				
(2P-,5F-)	F0	9.6297484E-01	G2	2.0023175E-03				
(2P-,6S+)	F0	8.9484637E-01	G1	9.8000915E-03				
(2P-,6P-)	F0	8.0145789E-01	G0	9.3046855E-03				
(2P-,6P+)	F0	6.8165595E-01	G2	6.7305540E-03				
(2P-,7S+)	F0	2.9412889E-01	G1	8.5408115E-04				
(2P+,2P+)	F0	1.6678286E+01	F2	7.8969843E+00				
(2P+,3S+)	F0	8.2391539E+00	G1	8.2153571E-01				
(2P+,3P-)	F0	8.8244395E+00	G2	9.3839841E-01				
(2P+,3P+)	F0	7.8807756E+00	F2	1.9920875E+00	G0	8.0822355E-01	G2	8.7298122E-01
(2P+,3D-)	F0	8.8066547E+00	F2	2.7663106E+00	G1	2.4235910E+00	G3	1.3937466E+00
(2P+,3D+)	F0	6.4379705E+00	F2	2.5185600E+00	G1	2.3449412E+00	G3	1.3497627E+00
(2P+,4S+)	F0	4.0893829E+00	G1	1.8847311E-01				
(2P+,4P-)	F0	4.1943013E+00	G2	2.1326345E-01				
(2P+,4P+)	F0	3.7499687E+00	F2	5.0004620E-01	G0	1.7449598E-01	G2	2.0337833E-01
(2P+,4D-)	F0	3.8346107E+00	F2	5.9779849E-01	G1	4.9618048E-01	G3	2.9509261E-01
(2P+,4D+)	F0	3.6960926E+00	F2	5.4702383E-01	G1	4.9407962E-01	G3	2.9315938E-01
(2P+,4F-)	F0	3.5113863E+00	F2	2.7042194E-01	G2	4.0255119E-02	G4	2.5996547E-02
(2P+,4F+)	F0	3.4500134E+00	F2	2.5510260E-01	G2	3.9638019E-02	G4	2.5591182E-02
(2P+,5S+)	F0	2.0068854E+00	G1	4.7339964E-02				
(2P+,5P-)	F0	1.9632708E+00	G2	5.0684428E-02				
(2P+,5P+)	F0	1.7483693E+00	F2	1.1943823E-01	G0	4.0340969E-02	G2	4.7841932E-02
(2P+,5D-)	F0	1.5917130E+00	F2	1.1696781E-01	G1	9.5869523E-02	G3	5.7431101E-02
(2P+,5D+)	F0	1.5332312E+00	F2	1.0600924E-01	G1	9.4964959E-02	G3	5.6713898E-02
(2P+,5F-)	F0	9.6282270E-01	F2	2.2359291E-02	G2	3.7382801E-03	G4	2.3990959E-03
(2P+,6S+)	F0	8.9045643E-01	G1	9.2232189E-03				
(2P+,6P-)	F0	7.9715044E-01	G2	8.2552802E-03				
(2P+,6P+)	F0	6.7894909E-01	F2	1.7416957E-02	G0	5.7890014E-03	G2	6.8902661E-03
(2P+,7S+)	F0	2.9374591E-01	G1	8.0357847E-04				
(3S+,3S+)	F0	6.3063496E+00						
(3S+,3P-)	F0	6.5041904E+00	G1	3.9916835E+00				
(3S+,3P+)	F0	6.0855433E+00	G1	3.9086384E+00				
(3S+,3D-)	F0	6.5142989E+00	G2	2.6559119E+00				
(3S+,3D+)	F0	6.3966550E+00	G2	2.6997874E+00				
(3S+,4S+)	F0	3.6248131E+00	G0	2.7826341E-01				
(3S+,4P-)	F0	3.6650318E+00	G1	2.8431007E-01				
(3S+,4P+)	F0	3.3263155E+00	G1	3.0770263E-01				
(3S+,4D-)	F0	3.3825962E+00	G2	2.0072921E-01				
(3S+,4D+)	F0	3.2895742E+00	G2	1.9031711E-01				
(3S+,4F-)	F0	3.4113748E+00	G3	5.8508983E-01				
(3S+,4F+)	F0	3.3597466E+00	G3	5.6290465E-01				
(3S+,5S+)	F0	1.8879258E+00	G0	5.8826107E-02				
(3S+,5P-)	F0	1.8362515E+00	G1	5.8772121E-02				
(3S+,5P+)	F0	1.6478584E+00	G1	6.2311512E-02				
(3S+,5D-)	F0	1.5039900E+00	G2	3.7659938E-02				
(3S+,5D+)	F0	1.4551154E+00	G2	3.4552054E-02				
(3S+,5F-)	F0	9.5400510E-01	G3	4.4816614E-02				
(3S+,6S+)	F0	8.6716694E-01	G0	1.1043702E-02				
(3S+,6P-)	F0	7.7641285E-01	G1	9.3073900E-03				
(3S+,6P+)	F0	6.6444525E-01	G1	8.7174821E-03				
(3S+,7S+)	F0	2.9171527E-01	G0	9.5682400E-04				
(3P-,3P-)	F0	6.7547517E+00						
(3P-,3P+)	F0	6.2701142E+00	G2	2.8780398E+00				
(3P-,3D-)	F0	6.7553706E+00	G1	3.7690165E+00				
(3P-,3D+)	F0	6.6195409E+00	G3	2.3899035E+00				

TABLE 1.– CONTINUED

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(3P-,4S+)	F0	3.6685297E+00	G1	3.4260431E-01				
(3P-,4P-)	F0	3.7174154E+00	G0	3.1714976E-01				
(3P-,4P+)	F0	3.3673388E+00	G2	3.1808091E-01				
(3P-,4D-)	F0	3.4234071E+00	G1	2.1297873E-01				
(3P-,4D+)	F0	3.3279323E+00	G3	2.1514826E-01				
(3P-,4F-)	F0	3.4271996E+00	G2	6.5764704E-01				
(3P-,4F+)	F0	3.3742145E+00	G4	4.1194324E-01				
(3P-,5S+)	F0	1.8989871E+00	G1	7.5130309E-02				
(3P-,5P-)	F0	1.8486739E+00	G0	6.4159212E-02				
(3P-,5P+)	F0	1.6575057E+00	G2	6.7439530E-02				
(3P-,5D-)	F0	1.5117427E+00	G1	3.7068916E-02				
(3P-,5D+)	F0	1.4623269E+00	G3	3.8260670E-02				
(3P-,5F-)	F0	9.5537904E-01	G2	5.0760856E-02				
(3P-,6S+)	F0	8.6932687E-01	G1	1.4209881E-02				
(3P-,6P-)	F0	7.7843612E-01	G0	1.0120453E-02				
(3P-,6P+)	F0	6.6583501E-01	G2	9.5185722E-03				
(3P-,7S+)	F0	2.9190352E-01	G1	1.2325052E-03				
(3P+,3P+)	F0	5.8994441E+00	F2	2.9169343E+00				
(3P+,3D-)	F0	6.2679603E+00	F2	2.9220020E+00	G1	3.0356199E+00	G3	2.0195765E+00
(3P+,3D+)	F0	6.1617355E+00	F2	2.9351628E+00	G1	3.1312198E+00	G3	2.0833340E+00
(3P+,4S+)	F0	3.5801524E+00	G1	3.5130806E-01				
(3P+,4P-)	F0	3.6206386E+00	G2	3.6115638E-01				
(3P+,4P+)	F0	3.2908149E+00	F2	9.6468772E-01	G0	2.6314970E-01	G2	3.0385479E-01
(3P+,4D-)	F0	3.3440578E+00	F2	9.7656674E-01	G1	2.3905950E-01	G3	2.3907496E-01
(3P+,4D+)	F0	3.2528014E+00	F2	9.2706051E-01	G1	2.1058671E-01	G3	2.2084218E-01
(3P+,4F-)	F0	3.3828722E+00	F2	1.2061119E+00	G2	8.3418520E-01	G4	5.5477952E-01
(3P+,4F+)	F0	3.3331619E+00	F2	1.1687567E+00	G2	8.0966760E-01	G4	5.3895645E-01
(3P+,5S+)	F0	1.8767605E+00	G1	7.3284311E-02				
(3P+,5P-)	F0	1.8258344E+00	G2	7.3935538E-02				
(3P+,5P+)	F0	1.6396514E+00	F2	2.3679523E-01	G0	5.2104684E-02	G2	6.3749580E-02
(3P+,5D-)	F0	1.4966533E+00	F2	1.9719922E-01	G1	4.4239669E-02	G3	4.4359736E-02
(3P+,5D+)	F0	1.4482017E+00	F2	1.8491558E-01	G1	3.8438098E-02	G3	4.0493180E-02
(3P+,5F-)	F0	9.5167283E-01	F2	9.5850320E-02	G2	6.0476002E-02	G4	4.0843600E-02
(3P+,6S+)	F0	8.6499229E-01	G1	1.3735416E-02				
(3P+,6P-)	F0	7.7471963E-01	G2	1.1694837E-02				
(3P+,6P+)	F0	6.6326677E-01	F2	3.5578599E-02	G0	7.2617376E-03	G2	8.9797503E-03
(3P+,7S+)	F0	2.9152581E-01	G1	1.1897711E-03				
(3D-,3D-)	F0	6.8961112E+00	F2	3.4814754E+00				
(3D-,3D+)	F0	6.7504770E+00	F2	3.4264126E+00	G2	3.3214260E+00	G4	2.1335091E+00
(3D-,4S+)	F0	3.6689919E+00	G2	3.2536629E-01				
(3D-,4P-)	F0	3.7139773E+00	G1	3.3885532E-01				
(3D-,4P+)	F0	3.3666309E+00	F2	8.6720628E-01	G1	2.7524137E-01	G3	2.7120659E-01
(3D-,4D-)	F0	3.4476910E+00	F2	9.3111675E-01	G0	3.0058056E-01	G2	3.6854710E-01
(3D-,4D+)	F0	3.3520523E+00	F2	8.8957490E-01	G2	3.4462807E-01	G4	2.6814972E-01
(3D-,4F-)	F0	3.4299630E+00	F2	1.0104080E+00	G1	8.4563900E-01	G3	4.9893219E-01
(3D-,4F+)	F0	3.3764417E+00	F2	9.7392540E-01	G3	4.6938371E-01	G5	3.2551428E-01
(3D-,5S+)	F0	1.8990072E+00	G2	7.1626214E-02				
(3D-,5P-)	F0	1.8477048E+00	G1	6.8408056E-02				
(3D-,5P+)	F0	1.6572878E+00	F2	2.1076716E-01	G1	5.6740927E-02	G3	5.8482662E-02
(3D-,5D-)	F0	1.5162663E+00	F2	1.8512137E-01	G0	4.9767691E-02	G2	6.5509218E-02
(3D-,5D+)	F0	1.4668231E+00	F2	1.7479399E-01	G2	6.0644788E-02	G4	4.8410153E-02
(3D-,5F-)	F0	9.5569763E-01	F2	8.0928610E-02	G1	6.3402054E-02	G3	3.8138183E-02
(3D-,6S+)	F0	8.6932616E-01	G2	1.3575431E-02				
(3D-,6P-)	F0	7.7827294E-01	G1	1.0794239E-02				
(3D-,6P+)	F0	6.6580202E-01	F2	3.1442756E-02	G1	7.9662213E-03	G3	8.2818530E-03

TABLE 1.—CONTINUED

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(3D-,7S+)	F0	2.9190340E-01	G2	1.1778794E-03						
(3D+,3D+)	F0	6.6165720E+00	F2	3.3848194E+00	F4	2.1807553E+00				
(3D+,4S+)	F0	3.6427530E+00	G2	3.3509470E-01						
(3D+,4P-)	F0	3.6852478E+00	G3	3.4358787E-01						
(3D+,4P+)	F0	3.3434850E+00	F2	8.9276706E-01	G1	2.7708295E-01	G3	2.7917976E-01		
(3D+,4D-)	F0	3.4215772E+00	F2	9.5123763E-01	G2	3.5277940E-01	G4	2.7976539E-01		
(3D+,4D+)	F0	3.3278924E+00	F2	9.0877155E-01	F4	4.4417593E-01	G0	2.8177010E-01	G2	3.5419698E-01	G4	2.7824568E-01
(3D+,4F-)	F0	3.4193251E+00	F2	1.0582039E+00	F4	5.5519348E-01	G1	8.8689690E-01	G3	5.2505274E-01	G5	3.6417558E-01
(3D+,4F+)	F0	3.3666356E+00	F2	1.0211402E+00	F4	5.3364543E-01	G1	8.6744943E-01	G3	5.1365266E-01	G5	3.5629996E-01
(3D+,5S+)	F0	1.6923702E+00	G2	7.2661042E-02						
(3D+,5P-)	F0	1.8408884E+00	G3	7.2292246E-02						
(3D+,5P+)	F0	1.6518519E+00	F2	2.1747657E-01	G1	5.6694781E-02	G3	5.9866560E-02		
(3D+,5D-)	F0	1.5112515E+00	F2	1.8962317E-01	G2	6.2340341E-02	G4	5.0824620E-02		
(3D+,5D+)	F0	1.4622313E+00	F2	1.7902034E-01	F4	7.9131504E-02	G0	4.6049733E-02	G2	6.2183024E-02	G4	5.0149270E-02
(3D+,5F-)	F0	9.5480399E-01	F2	8.4678959E-02	F4	3.9797276E-02	G1	6.5360187E-02	G3	3.9527039E-02	G5	2.7653316E-02
(3D+,6S+)	F0	8.6803019E-01	G2	1.3735890E-02						
(3D+,6P-)	F0	7.7716257E-01	G3	1.1501731E-02						
(3D+,6P+)	F0	6.6501913E-01	F2	3.2499698E-02	G1	7.9494505E-03	G3	8.4693920E-03		
(3D+,7S+)	F0	2.9179045E-01	G2	1.1913524E-03						
(4S+,4S+)	F0	2.8979449E+00								
(4S+,4P-)	F0	2.9092583E+00	G1	1.9396068E+00						
(4S+,4P+)	F0	2.7365119E+00	G1	1.7826343E+00						
(4S+,4D-)	F0	2.7586202E+00	G2	1.3599376E+00						
(4S+,4D+)	F0	2.7092798E+00	G2	1.3273665E+00						
(4S+,4F-)	F0	2.7715588E+00	G3	9.9352529E-01						
(4S+,4F+)	F0	2.7489206E+00	G3	9.9199833E-01						
(4S+,5S+)	F0	1.7213999E+00	G0	1.1100488E-01						
(4S+,5P-)	F0	1.6737175E+00	G1	1.2551184E-01						
(4S+,5P+)	F0	1.5184682E+00	G1	1.4069317E-01						
(4S+,5D-)	F0	1.3915874E+00	G2	9.8554447E-02						
(4S+,5D+)	F0	1.3509005E+00	G2	1.0183950E-01						
(4S+,5F-)	F0	9.0890787E-01	G3	2.8972986E-02						
(4S+,6S+)	F0	8.3510507E-01	G0	1.7792935E-02						
(4S+,6P-)	F0	7.5027496E-01	G1	1.7579967E-02						
(4S+,6P+)	F0	6.4598758E-01	G1	1.7629705E-02						
(4S+,7S+)	F0	2.8892647E-01	G0	1.5082781E-03						
(4P-,4P-)	F0	2.9229731E+00								
(4P-,4P+)	F0	2.7454660E+00	G2	1.3361045E+00						
(4P-,4D-)	F0	2.7685970E+00	G1	1.7762434E+00						
(4P-,4D+)	F0	2.7181350E+00	G3	1.0757914E+00						
(4P-,4F-)	F0	2.7803362E+00	G2	1.2164981E+00						
(4P-,4F+)	F0	2.7572543E+00	G4	8.5406826E-01						
(4P-,5S+)	F0	1.7241223E+00	G1	1.4682474E-01						
(4P-,5P-)	F0	1.6768267E+00	G0	1.1167676E-01						
(4P-,5P+)	F0	1.5207249E+00	G2	1.2976041E-01						
(4P-,5D-)	F0	1.3935980E+00	G1	1.1310003E-01						
(4P-,5D+)	F0	1.3527169E+00	G3	9.5456499E-02						
(4P-,5F-)	F0	9.0956540E-01	G2	3.2800045E-02						
(4P-,6S+)	F0	8.3563165E-01	G1	2.4182815E-02						
(4P-,6P-)	F0	7.5077606E-01	G0	1.5261907E-02						
(4P-,6P+)	F0	6.4631243E-01	G2	1.6709543E-02						
(4P-,7S+)	F0	2.8897230E-01	G1	2.0574759E-03						
(4P+,4P+)	F0	2.6053347E+00	F2	1.3542191E+00						
(4P+,4D-)	F0	2.6200566E+00	F2	1.3354444E+00	G1	1.6472731E+00	G3	1.0498060E+00		
(4P+,4D+)	F0	2.5791806E+00	F2	1.3200242E+00	G1	1.6514277E+00	G3	1.0484411E+00		

TABLE 1.– CONTINUED

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(4P+,4F-)	F0	2.6223432E+00	F2	1.3102602E+00	G2	1.0681078E+00	G4	7.6882749E-01		
(4P+,4F+)	F0	2.6035218E+00	F2	1.3073729E+00	G2	1.0754972E+00	G4	7.7328320E-01		
(4P+,5S+)	F0	1.6896709E+00	G1	1.6484388E-01						
(4P+,5P-)	F0	1.6438216E+00	G2	1.5252056E-01						
(4P+,5P+)	F0	1.4942245E+00	F2	4.5965235E-01	G0	9.6049265E-02	G2	1.2271601E-01		
(4P+,5D-)	F0	1.3708365E+00	F2	3.7838676E-01	G1	8.2162607E-02	G3	8.3485016E-02		
(4P+,5D+)	F0	1.3313496E+00	F2	3.5667295E-01	G1	8.4555322E-02	G3	8.2300171E-02		
(4P+,5F-)	F0	9.0037771E-01	F2	1.6026272E-01	G2	2.4276015E-02	G4	2.3256429E-02		
(4P+,6S+)	F0	8.2912402E-01	G1	2.5246229E-02						
(4P+,6P-)	F0	7.4555679E-01	G2	2.1035440E-02						
(4P+,6P+)	F0	6.4259154E-01	F2	7.5172851E-02	G0	1.1656248E-02	G2	1.5639910E-02		
(4P+,7S+)	F0	2.8840775E-01	G1	2.1299424E-03						
(4D-,4D-)	F0	2.6426619E+00	F2	1.3383918E+00						
(4D-,4D+)	F0	2.5995450E+00	F2	1.3178952E+00	G2	1.3079335E+00	G4	8.8313981E-01		
(4D-,4F-)	F0	2.6443936E+00	F2	1.3123374E+00	G1	1.4411578E+00	G3	9.5731910E-01		
(4D-,4F+)	F0	2.6246429E+00	F2	1.3082422E+00	G3	9.5329345E-01	G5	6.8900221E-01		
(4D-,5S+)	F0	1.6936825E+00	G2	1.8530032E-01						
(4D-,5P-)	F0	1.6477787E+00	G1	1.6524429E-01						
(4D-,5P+)	F0	1.4974076E+00	F2	4.5501340E-01	G1	1.2295186E-01	G3	1.2348343E-01		
(4D-,5D-)	F0	1.3748813E+00	F2	3.7854381E-01	G0	8.9895790E-02	G2	1.0918022E-01		
(4D-,5D+)	F0	1.3351289E+00	F2	3.5669390E-01	G2	1.0459868E-01	G4	8.7968623E-02		
(4D-,5F-)	F0	9.0184002E-01	F2	1.5984168E-01	G1	2.8449103E-02	G3	3.0353492E-02		
(4D-,6S+)	F0	8.2991024E-01	G2	2.8067609E-02						
(4D-,6P-)	F0	7.4619617E-01	G1	2.1011827E-02						
(4D-,6P+)	F0	6.4304485E-01	F2	7.4427367E-02	G1	1.5067893E-02	G3	1.5758786E-02		
(4D-,7S+)	F0	2.8847625E-01	G2	2.3683159E-03						
(4D+,4D+)	F0	2.5591020E+00	F2	1.3016893E+00	F4	8.7850447E-01				
(4D+,4F-)	F0	2.5996190E+00	F2	1.2841049E+00	F4	8.2949330E-01	G1	1.3776927E+00	G3	9.2074068E-01	G5	6.6739251E-01
(4D+,4F+)	F0	2.5809917E+00	F2	1.2813476E+00	F4	8.2972083E-01	G1	1.3893607E+00	G3	9.2772252E-01	G5	6.7226193E-01
(4D+,5S+)	F0	1.6835015E+00	G2	1.9892851E-01						
(4D+,5P-)	F0	1.6380952E+00	G3	1.7343499E-01						
(4D+,5P+)	F0	1.4896698E+00	F2	4.6678734E-01	G1	1.2615656E-01	G3	1.2780569E-01		
(4D+,5D-)	F0	1.3682714E+00	F2	3.8815222E-01	G2	1.0848567E-01	G4	9.3158746E-02		
(4D+,5D+)	F0	1.3289543E+00	F2	3.6573475E-01	F4	1.7513893E-01	G0	8.5435458E-02	G2	1.0477382E-01	G4	8.9022548E-02
(4D+,5F-)	F0	8.9926330E-01	F2	1.6437793E-01	F4	6.5256109E-02	G1	2.6993024E-02	G3	2.9575762E-02	G5	2.5118170E-02
(4D+,6S+)	F0	8.2800158E-01	G2	2.9196507E-02						
(4D+,6P-)	F0	7.4467305E-01	G3	2.3086368E-02						
(4D+,6P+)	F0	6.4196032E-01	F2	7.6793658E-02	G1	1.5230323E-02	G3	1.6140107E-02		
(4D+,7S+)	F0	2.8831080E-01	G2	2.4557174E-03						
(4F-,4F-)	F0	2.6847852E+00	F2	1.3843777E+00	F4	8.9392306E-01				
(4F-,4F+)	F0	2.6635083E+00	F2	1.3749858E+00	F4	8.8819373E-01	G2	1.3616975E+00	G4	8.8000145E-01	G6	6.4101558E-01
(4F-,5S+)	F0	1.6933948E+00	G3	1.9239465E-01						
(4F-,5P-)	F0	1.6472429E+00	G2	1.8790232E-01						
(4F-,5P+)	F0	1.4972158E+00	F2	4.5107979E-01	G2	1.3277753E-01	G4	1.2342677E-01		
(4F-,5D-)	F0	1.3747307E+00	F2	3.7606957E-01	G1	1.0693954E-01	G3	1.1228789E-01		
(4F-,5D+)	F0	1.3350444E+00	F2	3.5410488E-01	F4	1.7109776E-01	G1	9.8244211E-02	G3	1.0349946E-01	G5	8.6685911E-02
(4F-,5F-)	F0	9.0447101E-01	F2	1.6598007E-01	F4	7.1150009E-02	G0	4.4541438E-02	G2	5.4862463E-02	G4	4.2663583E-02
(4F-,6S+)	F0	8.2994939E-01	G3	2.7660633E-02						
(4F-,6P-)	F0	7.4616425E-01	G2	2.2337702E-02						
(4F-,6P+)	F0	6.4303413E-01	F2	7.4061490E-02	G2	1.5476633E-02	G4	1.5214757E-02		
(4F-,7S+)	F0	2.8848029E-01	G3	2.3300676E-03						
(4F+,4F+)	F0	2.6428465E+00	F2	1.3663498E+00	F4	8.8305282E-01	F6	6.4325117E-01		
(4F+,5S+)	F0	1.6883796E+00	G3	1.9777563E-01						
(4F+,5P-)	F0	1.6424883E+00	G4	1.7189451E-01						
(4F+,5P+)	F0	1.4934503E+00	F2	4.5676516E-01	G2	1.3629351E-01	G4	1.2639350E-01		

TABLE 1.– CONTINUED

PLUTONIUM 5F6 Z=94

(4F+,5D-)	F0 1.3715314E+00	F2 3.8090635E-01	G3 1.1367601E-01	G5 9.5020460E-02		
(4F+,5D+)	F0 1.3320558E+00	F2 3.5866808E-01	F4 1.7408091E-01	G1 1.0014278E-01	G3 1.0565612E-01	G5 8.8522360E-02
(4F+,5F-)	F0 9.0315975E-01	F2 1.6811188E-01	F4 7.2111915E-02	G2 5.4183645E-02	G4 4.2383249E-02	G6 3.3139431E-02
(4F+,6S+)	F0 6.2901785E-01	G3 2.8069398E-02				
(4F+,6P-)	F0 7.4542256E-01	G4 2.2057863E-02				
(4F+,6P+)	F0 6.4250807E-01	F2 7.5216482E-02	G2 1.5719016E-02	G4 1.5466922E-02		
(4F+,7S+)	F0 2.8839959E-01	G3 2.3618562E-03				
(5S+,5S+)	F0 1.4009244E+00					
(5S+,5P-)	F0 1.3754175E+00	G1 9.5041125E-01				
(5S+,5P+)	F0 1.2889840E+00	G1 8.1837472E-01				
(5S+,5D-)	F0 1.2066254E+00	G2 5.4068855E-01				
(5S+,5D+)	F0 1.1792562E+00	G2 4.9956184E-01				
(5S+,5F-)	F0 8.4141222E-01	G3 1.6946192E-01				
(5S+,6S+)	F0 7.8003560E-01	G0 3.9741477E-02				
(5S+,6P-)	F0 7.0692811E-01	G1 4.4915844E-02				
(5S+,6P+)	F0 6.1540901E-01	G1 4.5462660E-02				
(5S+,7S+)	F0 2.8418897E-01	G0 3.0240603E-03				
(5P-,5P-)	F0 1.3515689E+00					
(5P-,5P+)	F0 1.2701295E+00	G2 6.4093573E-01				
(5P-,5D-)	F0 1.1914783E+00	G1 7.1978004E-01				
(5P-,5D+)	F0 1.1653020E+00	G3 4.2354951E-01				
(5P-,5F-)	F0 8.3600159E-01	G2 2.2618372E-01				
(5P-,6S+)	F0 7.7624879E-01	G1 5.6071333E-02				
(5P-,6P-)	F0 7.0399313E-01	G0 3.3869968E-02				
(5P-,6P+)	F0 6.1327147E-01	G2 3.8963605E-02				
(5P-,7S+)	F0 2.8386751E-01	G1 4.3012977E-03				
(5P+,5P+)	F0 1.2059271E+00	F2 6.4881531E-01				
(5P+,5D-)	F0 1.1395563E+00	F2 6.0149702E-01	G1 7.6356625E-01	G3 4.8199993E-01		
(5P+,5D+)	F0 1.1175048E+00	F2 5.8553397E-01	G1 7.3653937E-01	G3 4.6432671E-01		
(5P+,5F-)	F0 8.1733519E-01	F2 3.4505234E-01	G2 2.7686725E-01	G4 1.8808958E-01		
(5P+,6S+)	F0 7.6316237E-01	G1 7.4209407E-02				
(5P+,6P-)	F0 6.9380039E-01	G2 5.2323809E-02				
(5P+,6P+)	F0 6.0596303E-01	F2 1.6265526E-01	G0 2.7166152E-02	G2 3.6965796E-02		
(5P+,7S+)	F0 2.8275918E-01	G1 5.2374145E-03				
(5D-,5D-)	F0 1.0841300E+00	F2 5.7257763E-01				
(5D-,5D+)	F0 1.0655549E+00	F2 5.6230125E-01	G2 5.6041921E-01	G4 3.8173139E-01		
(5D-,5F-)	F0 7.9521294E-01	F2 3.5615866E-01	G1 4.1036436E-01	G3 2.5211874E-01		
(5D-,6S+)	F0 7.4688210E-01	G2 1.2009432E-01				
(5D-,6P-)	F0 6.8299153E-01	G1 8.6897603E-02				
(5D-,6P+)	F0 5.9840830E-01	F2 1.8131602E-01	G1 4.6699272E-02	G3 4.6096272E-02		
(5D-,7S+)	F0 2.8158146E-01	G2 7.4324305E-03				
(5D+,5D+)	F0 1.0481524E+00	F2 5.5402344E-01	F4 3.7715567E-01			
(5D+,5F-)	F0 7.8772048E-01	F2 3.5939018E-01	F4 2.2839834E-01	G1 4.2126318E-01	G3 2.5890224E-01	G5 1.8417005E-01
(5D+,6S+)	F0 7.4397558E-01	G2 1.3432547E-01				
(5D+,6P-)	F0 6.7927016E-01	G3 8.5788855E-02				
(5D+,6P+)	F0 5.9582820E-01	F2 1.8740635E-01	G1 5.1995274E-02	G3 5.0383911E-02		
(5D+,7S+)	F0 2.8118091E-01	G2 7.9882846E-03				
(5F-,5F-)	F0 6.4583039E-01	F2 3.0822631E-01	F4 1.9759343E-01			
(5F-,6S+)	F0 6.3231907E-01	G3 2.0409767E-01				
(5F-,6P-)	F0 5.9052126E-01	G2 2.1497664E-01				
(5F-,6P+)	F0 5.3275635E-01	F2 2.3486673E-01	G2 1.6385899E-01	G4 1.1810971E-01		
(5F-,7S+)	F0 2.7196923E-01	G3 1.8988320E-02				
(6S+,6S+)	F0 6.3187480E-01					
(6S+,6P-)	F0 5.9406008E-01	G1 4.0664781E-01				
(6S+,6P+)	F0 5.3899780E-01	G1 3.1153310E-01				

TABLE 1.– CONTINUED

PLUTONIUM 5F6 Z=94

(6S+,7S+)	F0	2.7289415E-01	G0	9.2184027E-03
(6P-,6P-)	F0	5.6326595E-01		
(6P-,6P+)	F0	5.1705057E-01	G2	2.6244698E-01
(6P-,7S+)	F0	2.7028290E-01	G1	1.5835278E-02
(6P+,6P+)	F0	4.8261443E-01	F2	2.6190190E-01
(6P+,7S+)	F0	2.6614835E-01	G1	2.9659470E-02
(7S+,7S+)	F0	2.1369152E-01		

AMERICIUM 5F7 Z=95

(1S+,1S+)	F0	7.3939743E+01		
(1S+,2S+)	F0	2.5074172E+01	G0	3.3919457E+00
(1S+,2P-)	F0	3.0102287E+01	G1	4.6151360E+00
(1S+,2P+)	F0	2.3131466E+01	G1	3.5795982E+00
(1S+,3S+)	F0	1.0128066E+01	G0	7.0569409E-01
(1S+,3P-)	F0	1.1164253E+01	G1	9.3988292E-01
(1S+,3P+)	F0	9.2733439E+00	G1	8.4175664E-01
(1S+,3D-)	F0	9.3127341E+00	G2	3.0333486E-02
(1S+,3D+)	F0	8.8299776E+00	G2	3.5824320E-02
(1S+,4S+)	F0	4.6357141E+00	G0	1.8846620E-01
(1S+,4P-)	F0	4.8388207E+00	G1	2.4344898E-01
(1S+,4P+)	F0	4.1420545E+00	G1	2.2199546E-01
(1S+,4D-)	F0	4.0034620E+00	G2	9.0351596E-03
(1S+,4D+)	F0	3.8328687E+00	G2	1.0741634E-02
(1S+,4F-)	F0	3.5804313E+00	G3	4.0643341E-05
(1S+,4F+)	F0	3.5161560E+00	G3	5.4928538E-05
(1S+,5S+)	F0	2.1759052E+00	G0	4.9563428E-02
(1S+,5P-)	F0	2.1499767E+00	G1	6.0306465E-02
(1S+,5P+)	F0	1.8659502E+00	G1	5.4370589E-02
(1S+,5D-)	F0	1.6526897E+00	G2	1.9178556E-03
(1S+,5D+)	F0	1.5857422E+00	G2	2.2572071E-03
(1S+,5F-)	F0	1.0130243E+00	G3	4.2713976E-06
(1S+,5F+)	F0	9.7187528E-01	G3	5.4778124E-06
(1S+,6S+)	F0	9.3542052E-01	G0	9.7580570E-03
(1S+,6P-)	F0	8.3938373E-01	G1	9.8958247E-03
(1S+,6P+)	F0	7.0270093E-01	G1	7.8118668E-03
(1S+,7S+)	F0	2.9971213E-01	G0	8.2690058E-04
(2S+,2S+)	F0	1.6930885E+01		
(2S+,2P-)	F0	1.8523491E+01	G1	9.0469514E+00
(2S+,2P+)	F0	1.6755887E+01	G1	9.5288578E+00
(2S+,3S+)	F0	8.4117999E+00	G0	8.1516274E-01
(2S+,3P-)	F0	8.9757618E+00	G1	7.3870159E-01
(2S+,3P+)	F0	7.9622593E+00	G1	6.3370626E-01
(2S+,3D-)	F0	8.9368854E+00	G2	1.8978698E+00
(2S+,3D+)	F0	8.5558485E+00	G2	1.7602563E+00
(2S+,4S+)	F0	4.1725460E+00	G0	1.8638601E-01
(2S+,4P-)	F0	4.2738438E+00	G1	1.7255436E-01
(2S+,4P+)	F0	3.8029766E+00	G1	1.4179923E-01
(2S+,4D-)	F0	3.9008289E+00	G2	4.1363056E-01
(2S+,4D+)	F0	3.7579314E+00	G2	3.9151198E-01
(2S+,4F-)	F0	3.5778061E+00	G3	2.9507413E-02
(2S+,4F+)	F0	3.5140901E+00	G3	2.8412116E-02

TABLE 1.– CONTINUED

AMERICIUM 5F7 Z=95

(2S+,5S+)	F0	2.0537270E+00	G0	4.7214443E-02			
(2S+,5P-)	F0	2.0100727E+00	G1	4.1722181E-02			
(2S+,5P+)	F0	1.7832731E+00	G1	3.3443119E-02			
(2S+,5D-)	F0	1.6312995E+00	G2	8.2155474E-02			
(2S+,5D+)	F0	1.5703002E+00	G2	7.7199407E-02			
(2S+,5F-)	F0	1.0127540E+00	G3	2.9587612E-03			
(2S+,5F+)	F0	9.7167360E-01	G3	2.7063239E-03			
(2S+,6S+)	F0	9.1134756E-01	G0	9.2122825E-03			
(2S+,6P-)	F0	8.1642552E-01	G1	6.8103732E-03			
(2S+,6P+)	F0	6.9083309E-01	G1	4.7672240E-03			
(2S+,7S+)	F0	2.9767194E-01	G0	7.7957917E-04			
(2P-,2P-)	F0	2.1239297E+01					
(2P-,2P+)	F0	1.8614532E+01	G2	7.5387219E+00			
(2P-,3S+)	F0	8.7114354E+00	G1	8.4820285E-01			
(2P-,3P-)	F0	9.4181743E+00	G0	1.1228322E+00			
(2P-,3P+)	F0	8.3074996E+00	G2	8.5789210E-01			
(2P-,3D-)	F0	9.0850508E+00	G1	1.8757159E+00			
(2P-,3D+)	F0	8.6685890E+00	G3	9.0935282E-01			
(2P-,4S+)	F0	4.2520161E+00	G1	2.0258971E-01			
(2P-,4P-)	F0	4.3853397E+00	G0	2.4964892E-01			
(2P-,4P+)	F0	3.8906156E+00	G2	2.0235652E-01			
(2P-,4D-)	F0	3.9403632E+00	G1	4.2816986E-01			
(2P-,4D+)	F0	3.7881718E+00	G3	2.1369019E-01			
(2P-,4F-)	F0	3.5790332E+00	G2	2.1781627E-02			
(2P-,4F+)	F0	3.5150698E+00	G4	1.2782659E-02			
(2P-,5S+)	F0	2.0746004E+00	G1	5.1831779E-02			
(2P-,5P-)	F0	2.0375221E+00	G0	5.9659160E-02			
(2P-,5P+)	F0	1.8045459E+00	G2	4.8262114E-02			
(2P-,5D-)	F0	1.6394971E+00	G1	8.5927729E-02			
(2P-,5D+)	F0	1.5765058E+00	G3	4.2653868E-02			
(2P-,5F-)	F0	1.0128801E+00	G2	2.1918140E-03			
(2P-,5F+)	F0	9.7176907E-01	G4	1.2223157E-03			
(2P-,6S+)	F0	9.1545601E-01	G1	1.0137040E-02			
(2P-,6P-)	F0	8.2092413E-01	G0	9.7129076E-03			
(2P-,6P+)	F0	6.9388375E-01	G2	6.8954306E-03			
(2P-,7S+)	F0	2.9802007E-01	G1	8.5814319E-04			
(2P+,2P+)	F0	1.6881881E+01	F2	7.9916283E+00			
(2P+,3S+)	F0	8.3708904E+00	G1	8.3684601E-01			
(2P+,3P-)	F0	8.9695083E+00	G2	9.5745859E-01			
(2P+,3P+)	F0	7.9861037E+00	F2	2.0210331E+00	G0	8.2084251E-01	G2 8.8628384E-01
(2P+,3D-)	F0	8.9280172E+00	F2	2.8390929E+00	G1	2.4584266E+00	G3 1.4137095E+00
(2P+,3D+)	F0	8.5459702E+00	F2	2.5522748E+00	G1	2.3774375E+00	G3 1.3684314E+00
(2P+,4S+)	F0	4.1612501E+00	G1	1.9246212E-01			
(2P+,4P-)	F0	4.2711242E+00	G2	2.1820802E-01			
(2P+,4P+)	F0	3.8087430E+00	F2	5.0996801E-01	G0	1.7808584E-01	G2 2.0754988E-01
(2P+,4D-)	F0	3.8998065E+00	F2	6.1119275E-01	G1	5.0650794E-01	G3 3.0128470E-01
(2P+,4D+)	F0	3.7563542E+00	F2	5.5841211E-01	G1	5.0468503E-01	G3 2.9948189E-01
(2P+,4F-)	F0	3.5773286E+00	F2	2.7814757E-01	G2	4.1646145E-02	G4 2.6895730E-02
(2P+,4F+)	F0	3.5136692E+00	F2	2.6209356E-01	G2	4.1316876E-02	G4 2.6482075E-02
(2P+,5S+)	F0	2.0507298E+00	G1	4.8834678E-02			
(2P+,5P-)	F0	2.0093328E+00	G2	5.2438796E-02			
(2P+,5P+)	F0	1.7846541E+00	F2	1.2326074E-01	G0	4.1659704E-02	G2 4.9413660E-02
(2P+,5D-)	F0	1.6311399E+00	F2	1.2171535E-01	G1	9.9614153E-02	G3 5.9692348E-02
(2P+,5D+)	F0	1.5700184E+00	F2	1.1010784E-01	G1	9.8722873E-02	G3 5.8970389E-02
(2P+,5F-)	F0	1.0127064E+00	F2	2.4632586E-02	G2	4.1290307E-03	G4 2.6715479E-03

TABLE 1.– CONTINUED

AMERICIUM 5F7 Z=95

(2P+,5F+)	F0 9.7163373E-01	F2 2.2062406E-02	G2 3.8667655E-03	G4 2.5009652E-03
(2P+,6S+)	F0 9.1075619E-01	G1 9.5322415E-03		
(2P+,6P-)	F0 8.1630167E-01	G2 8.5582045E-03		
(2P+,6P+)	F0 6.9103055E-01	F2 1.7832257E-02	G0 5.9279829E-03	G2 7.0573196E-03
(2P+,7S+)	F0 2.9762181E-01	G1 8.0670478E-04		
(3S+,3S+)	F0 6.4098323E+00			
(3S+,3P-)	F0 6.6130984E+00	G1 4.0520538E+00		
(3S+,3P+)	F0 6.1750313E+00	G1 3.9608244E+00		
(3S+,3D-)	F0 6.6138068E+00	G2 2.7000784E+00		
(3S+,3D+)	F0 6.4911367E+00	G2 2.7447096E+00		
(3S+,4S+)	F0 3.6879629E+00	G0 2.8436373E-01		
(3S+,4P-)	F0 3.7312154E+00	G1 2.9001995E-01		
(3S+,4P+)	F0 3.3786286E+00	G1 3.1525419E-01		
(3S+,4D-)	F0 3.4397291E+00	G2 2.0441026E-01		
(3S+,4D+)	F0 3.3434978E+00	G2 1.9409514E-01		
(3S+,4F-)	F0 3.4751823E+00	G3 5.9767974E-01		
(3S+,4F+)	F0 3.4216841E+00	G3 5.7471168E-01		
(3S+,5S+)	F0 1.9282445E+00	G0 6.0700106E-02		
(3S+,5P-)	F0 1.8781313E+00	G1 6.0644425E-02		
(3S+,5P+)	F0 1.6813477E+00	G1 6.4548099E-02		
(3S+,5D-)	F0 1.5402207E+00	G2 3.8982831E-02		
(3S+,5D+)	F0 1.4892605E+00	G2 3.5770763E-02		
(3S+,5F-)	F0 1.0030196E+00	G3 4.9084295E-02		
(3S+,5F+)	F0 9.6334312E-01	G3 4.5107604E-02		
(3S+,6S+)	F0 8.8672770E-01	G0 1.1412279E-02		
(3S+,6P-)	F0 7.9485597E-01	G1 9.6102569E-03		
(3S+,6P+)	F0 6.7624644E-01	G1 8.9514493E-03		
(3S+,7S+)	F0 2.9558672E-01	G0 9.6041366E-04		
(3P-,3P-)	F0 6.8708310E+00			
(3P-,3P+)	F0 6.3632366E+00	G2 2.9087999E+00		
(3P-,3D-)	F0 6.8602121E+00	G1 3.8334415E+00		
(3P-,3D+)	F0 6.7184741E+00	G3 2.4268447E+00		
(3P-,4S+)	F0 3.7330790E+00	G1 3.4933415E-01		
(3P-,4P-)	F0 3.7853565E+00	G0 3.2470510E-01		
(3P-,4P+)	F0 3.4207628E+00	G2 3.2430314E-01		
(3P-,4D-)	F0 3.4818053E+00	G1 2.1801151E-01		
(3P-,4D+)	F0 3.3829947E+00	G3 2.1993077E-01		
(3P-,4F-)	F0 3.4915296E+00	G2 6.7107352E-01		
(3P-,4F+)	F0 3.4366012E+00	G4 4.1990971E-01		
(3P-,5S+)	F0 1.9397819E+00	G1 7.7357224E-02		
(3P-,5P-)	F0 1.8911317E+00	G0 6.6452980E-02		
(3P-,5P+)	F0 1.6913795E+00	G2 6.9555448E-02		
(3P-,5D-)	F0 1.5483580E+00	G1 3.8518999E-02		
(3P-,5D+)	F0 1.4968176E+00	G3 3.9732361E-02		
(3P-,5F-)	F0 1.0045454E+00	G2 5.5557935E-02		
(3P-,5F+)	F0 9.6466812E-01	G4 3.3534845E-02		
(3P-,6S+)	F0 8.8898511E-01	G1 1.4653532E-02		
(3P-,6P-)	F0 7.9697582E-01	G0 1.0489108E-02		
(3P-,6P+)	F0 6.7767967E-01	G2 9.7330501E-03		
(3P-,7S+)	F0 2.9577784E-01	G1 1.2345558E-03		
(3P+,3P+)	F0 5.9778723E+00	F2 2.9542123E+00		
(3P+,3D-)	F0 6.3526739E+00	F2 2.9593806E+00	G1 3.0709047E+00	G3 2.0434365E+00
(3P+,3D+)	F0 6.2425353E+00	F2 2.9730827E+00	G1 3.1701415E+00	G3 2.1096564E+00
(3P+,4S+)	F0 3.6402010E+00	G1 3.5922347E-01		
(3P+,4P-)	F0 3.6834997E+00	G2 3.7016472E-01		

TABLE 1.– CONTINUED

AMERICIUM 5F7 Z=95

(3P+,4P+)	F0	3.3406726E+00	F2	9.8038879E-01	G0	2.6812642E-01	G2	3.0930483E-01		
(3P+,4D-)	F0	3.3985369E+00	F2	9.9519139E-01	G1	2.4446023E-01	G3	2.4416328E-01		
(3P+,4D+)	F0	3.3042293E+00	F2	9.4396030E-01	G1	2.1470859E-01	G3	2.2517113E-01		
(3P+,4F-)	F0	3.4448244E+00	F2	1.2343628E+00	G2	8.5648112E-01	G4	5.6970213E-01		
(3P+,4F+)	F0	3.3934125E+00	F2	1.1956195E+00	G2	8.3112939E-01	G4	5.5334905E-01		
(3P+,5S+)	F0	1.9161757E+00	G1	7.5495110E-02						
(3P+,5P-)	F0	1.8667925E+00	G2	7.6507001E-02						
(3P+,5P+)	F0	1.6724635E+00	F2	2.4343451E-01	G0	5.3664745E-02	G2	6.5621813E-02		
(3P+,5D-)	F0	1.5322387E+00	F2	2.0431125E-01	G1	4.6037294E-02	G3	4.6098332E-02		
(3P+,5D+)	F0	1.4817485E+00	F2	1.9137185E-01	G1	3.9871558E-02	G3	4.1997493E-02		
(3P+,5F-)	F0	1.0000314E+00	F2	1.0475519E-01	G2	6.6381351E-02	G4	4.4861704E-02		
(3P+,5F+)	F0	9.6097445E-01	F2	9.6745970E-02	G2	6.1703923E-02	G4	4.1715170E-02		
(3P+,6S+)	F0	8.8437236E-01	G1	1.4164837E-02						
(3P+,6P-)	F0	7.9301080E-01	G2	1.2105573E-02						
(3P+,6P+)	F0	6.7498129E-01	F2	3.6326367E-02	G0	7.4133596E-03	G2	9.1634787E-03		
(3P+,7S+)	F0	2.9538739E-01	G1	1.1917282E-03						
(3D-,3D-)	F0	6.9920243E+00	F2	3.5292113E+00						
(3D-,3D+)	F0	6.8409142E+00	F2	3.4720256E+00	G2	3.3629769E+00	G4	2.1653435E+00		
(3D-,4S+)	F0	3.7313802E+00	G2	3.3227280E-01						
(3D-,4P-)	F0	3.7794003E+00	G1	3.4652926E-01						
(3D-,4P+)	F0	3.4182287E+00	F2	8.8160714E-01	G1	2.7993072E-01	G3	2.7580471E-01		
(3D-,4D-)	F0	3.5047425E+00	F2	9.4889770E-01	G0	3.0673600E-01	G2	3.7606600E-01		
(3D-,4D+)	F0	3.4058852E+00	F2	9.0598909E-01	G2	3.5122551E-01	G4	2.7328648E-01		
(3D-,4F-)	F0	3.4935692E+00	F2	1.0341328E+00	G1	8.6802124E-01	G3	5.1220788E-01		
(3D-,4F+)	F0	3.4381430E+00	F2	9.9619545E-01	G3	4.8134447E-01	G5	3.3383967E-01		
(3D-,5S+)	F0	1.9392449E+00	G2	7.3795643E-02						
(3D-,5P-)	F0	1.8895383E+00	G1	7.0666106E-02						
(3D-,5P+)	F0	1.6907239E+00	F2	2.1665875E-01	G1	5.8351999E-02	G3	6.0160076E-02		
(3D-,5D-)	F0	1.5526971E+00	F2	1.9182700E-01	G0	5.1609290E-02	G2	6.7985318E-02		
(3D-,5D+)	F0	1.5011558E+00	F2	1.8095971E-01	G2	6.2834686E-02	G4	5.0174905E-02		
(3D-,5F-)	F0	1.0048263E+00	F2	8.8517655E-02	G1	6.9682524E-02	G3	4.1944639E-02		
(3D-,5F+)	F0	9.6488292E-01	F2	8.1259164E-02	G3	3.7574471E-02	G5	2.6266209E-02		
(3D-,6S+)	F0	8.8887511E-01	G2	1.4006218E-02						
(3D-,6P-)	F0	7.9671023E-01	G1	1.1155042E-02						
(3D-,6P+)	F0	6.7758438E-01	F2	3.2091733E-02	G1	8.1211958E-03	G3	8.4464534E-03		
(3D-,7S+)	F0	2.9576846E-01	G2	1.1803945E-03						
(3D+,3D+)	F0	6.7022476E+00	F2	3.4291284E+00	F4	2.2094244E+00				
(3D+,4S+)	F0	3.7039151E+00	G2	3.4253866E-01						
(3D+,4P-)	F0	3.7492912E+00	G3	3.5155776E-01						
(3D+,4P+)	F0	3.3940854E+00	F2	9.0811719E-01	G1	2.8183414E-01	G3	2.8409622E-01		
(3D+,4D-)	F0	3.4774448E+00	F2	9.6977334E-01	G2	3.5960212E-01	G4	2.8529458E-01		
(3D+,4D+)	F0	3.3806661E+00	F2	9.2589330E-01	F4	4.5301598E-01	G0	2.8718494E-01	G2	3.6121448E-01	G4	2.8382548E-01
(3D+,4F-)	F0	3.4823719E+00	F2	1.0840372E+00	F4	5.7000421E-01	G1	9.1103364E-01	G3	5.3946884E-01	G5	3.7421148E-01
(3D+,4F+)	F0	3.4278375E+00	F2	1.0454979E+00	F4	5.4442445E-01	G1	8.9105904E-01	G3	5.2776080E-01	G5	3.6612341E-01
(3D+,5S+)	F0	1.9322247E+00	G2	7.4888698E-02						
(3D+,5P-)	F0	1.8823058E+00	G3	7.4731183E-02						
(3D+,5P+)	F0	1.6849842E+00	F2	2.2368727E-01	G1	5.8299003E-02	G3	6.1613975E-02		
(3D+,5D-)	F0	1.5473603E+00	F2	1.9656844E-01	G2	6.4615131E-02	G4	5.2721044E-02		
(3D+,5D+)	F0	1.4962777E+00	F2	1.8540723E-01	F4	8.2105063E-02	G0	4.7670285E-02	G2	6.4466547E-02	G4	5.2020841E-02
(3D+,5F-)	F0	1.0038161E+00	F2	9.2688163E-02	F4	4.3746519E-02	G1	7.1826023E-02	G3	4.3475800E-02	G5	3.0427045E-02
(3D+,5F+)	F0	9.6399823E-01	F2	8.5192664E-02	F4	3.9847006E-02	G1	6.7308067E-02	G3	4.0710151E-02	G5	2.8482984E-02
(3D+,6S+)	F0	8.8750159E-01	G2	1.4175204E-02						
(3D+,6P-)	F0	7.9553079E-01	G3	1.1895984E-02						
(3D+,6P+)	F0	6.7676459E-01	F2	3.3193358E-02	G1	8.1029694E-03	G3	8.6416712E-03		
(3D+,7S+)	F0	2.9565218E-01	G2	1.1941697E-03						

TABLE 1.– CONTINUED

AMERICIUM 5F7 Z=95

(4S+,4S+)	F0	2.9483893E+00						
(4S+,4P-)	F0	2.9609910E+00	G1	1.9724674E+00				
(4S+,4P+)	F0	2.7808708E+00	G1	1.8069960E+00				
(4S+,4D-)	F0	2.8C572C8E+00	G2	1.3823738E+00				
(4S+,4D+)	F0	2.7545691E+00	G2	1.3481977E+00				
(4S+,4F-)	F0	2.8229480E+00	G3	1.0123383E+00				
(4S+,4F+)	F0	2.7995619E+00	G3	1.0109445E+00				
(4S+,5S+)	F0	1.7569670E+00	G0	1.1395809E-01				
(4S+,5P-)	F0	1.7104034E+00	G1	1.2883545E-01				
(4S+,5P+)	F0	1.5484946E+00	G1	1.4482254E-01				
(4S+,5D-)	F0	1.4238815E+00	G2	1.0182366E-01				
(4S+,5D+)	F0	1.3815506E+00	G2	1.0526479E-01				
(4S+,5F-)	F0	9.5376029E-01	G3	3.1252079E-02				
(4S+,5F+)	F0	9.1846452E-01	G3	3.0489244E-02				
(4S+,6S+)	F0	8.5368766E-01	G0	1.8271061E-02				
(4S+,6P-)	F0	7.6785467E-01	G1	1.8034195E-02				
(4S+,6P+)	F0	6.5745149E-01	G1	1.7979477E-02				
(4S+,7S+)	F0	2.9279512E-01	G0	1.5044615E-03				
(4P-,4P-)	F0	2.9761294E+00						
(4P-,4P+)	F0	2.7907937E+00	G2	1.3529313E+00				
(4P-,4D-)	F0	2.8167787E+00	G1	1.8054991E+00				
(4P-,4D+)	F0	2.7643998E+00	G3	1.0921399E+00				
(4P-,4F-)	F0	2.8328737E+00	G2	1.2399908E+00				
(4P-,4F+)	F0	2.8089971E+00	G4	8.7066000E-01				
(4P-,5S+)	F0	1.7599934E+00	G1	1.5054861E-01				
(4P-,5P-)	F0	1.7138370E+00	G0	1.1495600E-01				
(4P-,5P+)	F0	1.5509818E+00	G2	1.3320104E-01				
(4P-,5D-)	F0	1.4261125E+00	G1	1.1709285E-01				
(4P-,5D+)	F0	1.3835662E+00	G3	9.8679007E-02				
(4P-,5F-)	F0	9.5454039E-01	G2	3.5384988E-02				
(4P-,5F+)	F0	9.1917878E-01	G4	2.9687723E-02				
(4P-,6S+)	F0	8.5427339E-01	G1	2.4811346E-02				
(4P-,6P-)	F0	7.6840811E-01	G0	1.5700038E-02				
(4P-,6P+)	F0	6.5780614E-01	G2	1.6996392E-02				
(4P-,7S+)	F0	2.9284463E-01	G1	2.0505266E-03				
(4P+,4P+)	F0	2.6453481E+00	F2	1.3745702E+00				
(4P+,4D-)	F0	2.6621427E+00	F2	1.3563244E+00	G1	1.6714674E+00	G3	1.0657042E+00
(4P+,4D+)	F0	2.6199342E+00	F2	1.3405610E+00	G1	1.6764011E+00	G3	1.0646662E+00
(4P+,4F-)	F0	2.6677245E+00	F2	1.3324442E+00	G2	1.0832390E+00	G4	7.8059768E-01
(4P+,4F+)	F0	2.6483674E+00	F2	1.3297039E+00	G2	1.0912615E+00	G4	7.8548241E-01
(4P+,5S+)	F0	1.7236957E+00	G1	1.6979656E-01				
(4P+,5P-)	F0	1.6789519E+00	G2	1.5756718E-01				
(4P+,5P+)	F0	1.5231161E+00	F2	4.7046010E-01	G0	9.8468491E-02	G2	1.2573264E-01
(4P+,5D-)	F0	1.4019836E+00	F2	3.9002827E-01	G1	8.4425295E-02	G3	8.6064139E-02
(4P+,5D+)	F0	1.3609448E+00	F2	3.6732050E-01	G1	8.6836160E-02	G3	8.4763542E-02
(4P+,5F-)	F0	9.4427587E-01	F2	1.7373393E-01	G2	2.6232889E-02	G4	2.5242867E-02
(4P+,5F+)	F0	9.0962243E-01	F2	1.6210513E-01	G2	2.5136363E-02	G4	2.4041326E-02
(4P+,6S+)	F0	8.4740516E-01	G1	2.5947734E-02				
(4P+,6P-)	F0	7.6288691E-01	G2	2.1679170E-02				
(4P+,6P+)	F0	6.5392634E-01	F2	7.6582392E-02	G0	1.1934112E-02	G2	1.5873112E-02
(4P+,7S+)	F0	2.9226587E-01	G1	2.1259721E-03				
(4D-,4D-)	F0	2.6871893E+00	F2	1.3606560E+00				
(4D-,4D+)	F0	2.6425454E+00	F2	1.3394345E+00	G2	1.3289462E+00	G4	8.9756708E-01
(4D-,4F-)	F0	2.6923761E+00	F2	1.3361826E+00	G1	1.4638979E+00	G3	9.7377411E-01
(4D-,4F+)	F0	2.6720036E+00	F2	1.3321264E+00	G3	9.6975223E-01	G5	7.0129060E-01

TABLE 1.– CONTINUED

AMERICIUM 5F7 Z=95

(4D-,5S+)	F0	1.7282952E+00	G2	1.9002141E-01								
(4D-,5P-)	F0	1.6834792E+00	G1	1.7013236E-01								
(4D-,5P+)	F0	1.5267404E+00	F2	4.6515854E-01	G1	1.2572943E-01	G3	1.2629109E-01				
(4D-,5D-)	F0	1.4064843E+00	F2	3.8975975E-01	G0	9.2727097E-02	G2	1.1261405E-01				
(4D-,5D+)	F0	1.3651474E+00	F2	3.6694053E-01	G2	1.0779321E-01	G4	9.0701771E-02				
(4D-,5F-)	F0	9.4599561E-01	F2	1.7302278E-01	G1	3.0637804E-02	G3	3.2935742E-02				
(4D-,5F+)	F0	9.1121883E-01	F2	1.6149064E-01	G3	3.1046092E-02	G5	2.6112663E-02				
(4D-,6S+)	F0	8.4830415E-01	G2	2.8775012E-02								
(4D-,6P-)	F0	7.6361721E-01	G1	2.1583524E-02								
(4D-,6P+)	F0	6.5443730E-01	F2	7.5710166E-02	G1	1.5270318E-02	G3	1.5974449E-02				
(4D-,7S+)	F0	2.9234190E-01	G2	2.3584857E-03								
(4D+,4D+)	F0	2.6007250E+00	F2	1.3227528E+00	F4	8.9294468E-01						
(4D+,4F-)	F0	2.6458560E+00	F2	1.3066785E+00	F4	8.4401877E-01	G1	1.3972986E+00	G3	9.3535793E-01	G5	6.7843814E-01
(4D+,4F+)	F0	2.6266672E+00	F2	1.3040291E+00	F4	8.4444077E-01	G1	1.4098137E+00	G3	9.4289823E-01	G5	6.8371198E-01
(4D+,5S+)	F0	1.7176343E+00	G2	2.0428386E-01								
(4D+,5P-)	F0	1.6733059E+00	G3	1.7974955E-01								
(4D+,5P+)	F0	1.5186513E+00	F2	4.7735280E-01	G1	1.2897996E-01	G3	1.3074191E-01				
(4D+,5D-)	F0	1.3995167E+00	F2	3.9975894E-01	G2	1.1186288E-01	G4	9.6145572E-02				
(4D+,5D+)	F0	1.3586479E+00	F2	3.7634534E-01	F4	1.8073427E-01	G0	8.8017805E-02	G2	1.0796943E-01	G4	9.1802934E-02
(4D+,5F-)	F0	9.4313323E-01	F2	1.7798048E-01	F4	7.1387125E-02	G1	2.9196947E-02	G3	3.2160963E-02	G5	2.7375898E-02
(4D+,5F+)	F0	9.0855535E-01	F2	1.6605162E-01	F4	6.6169535E-02	G1	2.7813204E-02	G3	3.0440373E-02	G5	2.5854843E-02
(4D+,6S+)	F0	8.4630207E-01	G2	2.9949881E-02								
(4D+,6P-)	F0	7.6201577E-01	G3	2.3744766E-02								
(4D+,6P+)	F0	6.5331302E-01	F2	7.8161249E-02	G1	1.5429622E-02	G3	1.6362805E-02				
(4D+,7S+)	F0	2.9217332E-01	G2	2.4468356E-03								
(4F-,4F-)	F0	2.7377307E+00	F2	1.4136703E+00	F4	9.1333916E-01						
(4F-,4F+)	F0	2.7156891E+00	F2	1.4039753E+00	F4	9.0743562E-01	G2	1.3899297E+00	G4	8.9877160E-01	G6	6.5485859E-01
(4F-,5S+)	F0	1.7289238E+00	G3	1.9580769E-01								
(4F-,5P-)	F0	1.6837823E+00	G2	1.9173310E-01								
(4F-,5P+)	F0	1.5272128E+00	F2	4.6014048E-01	G2	1.3455836E-01	G4	1.2539942E-01				
(4F-,5D-)	F0	1.4068768E+00	F2	3.8626535E-01	G1	1.0942094E-01	G3	1.1518116E-01				
(4F-,5D+)	F0	1.3655745E+00	F2	3.6336732E-01	F4	1.7575152E-01	G1	1.0045219E-01	G3	1.0605056E-01	G5	8.8928540E-02
(4F-,5F-)	F0	9.4911255E-01	F2	1.7924024E-01	F4	7.7467247E-02	G0	4.8188340E-02	G2	5.9639107E-02	G4	4.6465928E-02
(4F-,5F+)	F0	9.1415650E-01	F2	1.6731967E-01	F4	7.1942999E-02	G2	5.5329329E-02	G4	4.3001701E-02	G6	3.3563521E-02
(4F-,6S+)	F0	8.4851148E-01	G3	2.8257957E-02								
(4F-,6P-)	F0	7.6371468E-01	G2	2.2843834E-02								
(4F-,6P+)	F0	6.5451738E-01	F2	7.5113714E-02	G2	1.5603298E-02	G4	1.5362303E-02				
(4F-,7S+)	F0	2.9235995E-01	G3	2.3130768E-03								
(4F+,4F+)	F0	2.6942988E+00	F2	1.3950828E+00	F4	9.0215747E-01	F6	6.5734133E-01				
(4F+,5S+)	F0	1.7237008E+00	G3	2.0134038E-01								
(4F+,5P-)	F0	1.6788130E+00	G4	1.7575862E-01								
(4F+,5P+)	F0	1.5232956E+00	F2	4.6602011E-01	G2	1.3811851E-01	G4	1.2842627E-01				
(4F+,5D-)	F0	1.4035181E+00	F2	3.9128445E-01	G3	1.1656733E-01	G5	9.7565814E-02				
(4F+,5D+)	F0	1.3624410E+00	F2	3.6811900E-01	F4	1.7884320E-01	G1	1.0236376E-01	G3	1.0826518E-01	G5	9.0824572E-02
(4F+,5F-)	F0	9.4765755E-01	F2	1.8153996E-01	F4	7.8517256E-02	G2	5.8868392E-02	G4	4.6142209E-02	G6	3.6113417E-02
(4F+,5F+)	F0	9.1281244E-01	F2	1.6946970E-01	F4	7.2892946E-02	F6	4.5100041E-02	G0	4.4940282E-02	G2	5.5852704E-02
(4F+,6S+)	F0	8.4753878E-01	G3	2.8678508E-02								
(4F+,6P-)	F0	7.6293830E-01	G4	2.2590528E-02								
(4F+,6P+)	F0	6.5397441E-01	F2	7.6303770E-02	G2	1.5848079E-02	G4	1.5618906E-02				
(4F+,7S+)	F0	2.9227608E-01	G3	2.3448597E-03								
(5S+,5S+)	F0	1.4304338E+00										
(5S+,5P-)	F0	1.4054205E+00	G1	9.7073664E-01								
(5S+,5P+)	F0	1.3151381E+00	G1	8.3211424E-01								
(5S+,5D-)	F0	1.2340460E+00	G2	5.5335020E-01								
(5S+,5D+)	F0	1.2055957E+00	G2	5.1046238E-01								

TABLE 1.– CONTINUED

AMERICIUM 5F7 Z=95

(5S+,5F-)	F0	8.8037311E-01	G3	1.8412247E-01							
(5S+,5F+)	F0	6.5066007E-01	G3	1.6755640E-01							
(5S+,6S+)	F0	7.9743900E-01	G0	4.0621415E-02							
(5S+,6P-)	F0	7.2348178E-01	G1	4.5755104E-02							
(5S+,6P+)	F0	6.2658834E-01	G1	4.6033576E-02							
(5S+,7S+)	F0	2.8809409E-01	G0	3.0097186E-03							
(5P-,5P-)	F0	1.3819827E+00									
(5P-,5P+)	F0	1.2966980E+00	G2	6.5163518E-01							
(5P-,5D-)	F0	1.2191091E+00	G1	7.3557049E-01							
(5P-,5D+)	F0	1.1918519E+00	G3	4.3222642E-01							
(5P-,5F-)	F0	8.7470089E-01	G2	2.4446153E-01							
(5P-,5F+)	F0	8.4547614E-01	G4	1.5222648E-01							
(5P-,6S+)	F0	7.9371845E-01	G1	5.7183596E-02							
(5P-,6P-)	F0	7.2059510E-01	G0	3.4637790E-02							
(5P-,6P+)	F0	6.2451329E-01	G2	3.9422194E-02							
(5P-,7S+)	F0	2.8778723E-01	G1	4.2671989E-03							
(5P+,5P+)	F0	1.2298382E+00	F2	6.6136168E-01							
(5P+,5D-)	F0	1.1645886E+00	F2	6.1479839E-01	G1	7.8082296E-01	G3	4.9307196E-01			
(5P+,5D+)	F0	1.1417313E+00	F2	5.9837267E-01	G1	7.5322747E-01	G3	4.7497616E-01			
(5P+,5F-)	F0	8.5386054E-01	F2	3.6694794E-01	G2	2.9858650E-01	G4	2.0302117E-01			
(5P+,5F+)	F0	8.2645341E-01	F2	3.4672927E-01	G2	2.7673367E-01	G4	1.8808868E-01			
(5P+,6S+)	F0	7.8001043E-01	G1	7.6334134E-02							
(5P+,6P-)	F0	7.0989835E-01	G2	5.3884240E-02							
(5P+,6P+)	F0	6.1695226E-01	F2	1.6528698E-01	G0	2.7481755E-02	G2	3.7354396E-02			
(5P+,7S+)	F0	2.8665922E-01	G1	5.2314710E-03							
(5D-,5D-)	F0	1.1097582E+00	F2	5.8584464E-01							
(5D-,5D+)	F0	1.0903879E+00	F2	5.7512748E-01	G2	5.7310396E-01	G4	3.9054829E-01			
(5D-,5F-)	F0	8.3072936E-01	F2	3.7689291E-01	G1	4.3775829E-01	G3	2.6930854E-01			
(5D-,5F+)	F0	8.0514525E-01	F2	3.5797500E-01	G3	2.5169456E-01	G5	1.7924953E-01			
(5D-,6S+)	F0	7.6590446E-01	G2	1.2199219E-01							
(5D-,6P-)	F0	6.9919715E-01	G1	8.8691743E-02							
(5D-,6P+)	F0	6.0958375E-01	F2	1.8364713E-01	G1	4.6747731E-02	G3	4.6238754E-02			
(5D-,7S+)	F0	2.8552888E-01	G2	7.3651852E-03							
(5D+,5D+)	F0	1.0722632E+00	F2	5.6653653E-01	F4	3.8583784E-01					
(5D+,5F-)	F0	8.2248289E-01	F2	3.7995488E-01	F4	2.4273092E-01	G1	4.4869037E-01	G3	2.7616586E-01	G5 1.9661687E-01
(5D+,5F+)	F0	7.9755243E-01	F2	3.6152679E-01	F4	2.2931920E-01	G1	4.2197229E-01	G3	2.5941188E-01	G5 1.8462390E-01
(5D+,6S+)	F0	7.6080171E-01	G2	1.3682114E-01							
(5D+,6P-)	F0	6.9531629E-01	G3	8.7803203E-02							
(5D+,6P+)	F0	6.0693207E-01	F2	1.8996377E-01	G1	5.2106238E-02	G3	5.0299490E-02			
(5D+,7S+)	F0	2.8512388E-01	G2	7.9326703E-03							
(5F-,5F-)	F0	6.8187322E-01	F2	3.2747117E-01	F4	2.1058319E-01					
(5F-,5F+)	F0	6.6555444E-01	F2	3.1791731E-01	F4	2.0401937E-01	G2	3.1748536E-01	G4	2.0381065E-01	G6 1.4845692E-01
(5F-,6S+)	F0	6.5575809E-01	G3	2.0923329E-01							
(5F-,6P-)	F0	6.1197211E-01	G2	2.1850786E-01							
(5F-,6P+)	F0	5.4883787E-01	F2	2.3891492E-01	G2	1.6254219E-01	G4	1.1776369E-01			
(5F-,7S+)	F0	2.7688278E-01	G3	1.7526575E-02							
(5F+,5F+)	F0	6.5003031E-01	F2	3.0917453E-01	F4	1.9807072E-01	F6	1.4415230E-01			
(5F+,6S+)	F0	6.4187896E-01	G3	2.0794753E-01							
(5F+,6P-)	F0	6.0026908E-01	G4	1.5621280E-01							
(5F+,6P+)	F0	5.3993896E-01	F2	2.3833986E-01	G2	1.6730500E-01	G4	1.2029583E-01			
(5F+,7S+)	F0	2.7535848E-01	G3	1.9819637E-02							
(6S+,6S+)	F0	6.4604055E-01									
(6S+,6P-)	F0	6.0779165E-01	G1	4.1633938E-01							
(6S+,6P+)	F0	5.4943096E-01	G1	3.1583023E-01							
(6S+,7S+)	F0	2.7687619E-01	G0	9.2002850E-03							

TABLE 1.– CONTINUED

AMERICIUM 5F7 Z=95

(6P-,6P-)	F0	5.7656023E-01		
(6P-,6P+)	F0	5.2744133E-01	G2	2.6649700E-01
(6P-,7S+)	F0	2.7430539E-01	G1	1.5777220E-02
(6P+,7S+)	F0	2.7062270E-01	G1	3.0335513E-02
(7S+,7S+)	F0	2.1670187E-01		

CURIUM 5F7 6D1 Z=96

(1S+,1S+)	F0	7.5203450E+01		
(1S+,2S+)	F0	2.5544094E+01	G0	3.4840769E+00
(1S+,2P-)	F0	3.0710222E+01	G1	4.6740565E+00
(1S+,2P+)	F0	2.3418555E+01	G1	3.6003193E+00
(1S+,3S+)	F0	1.0312720E+01	G0	7.2586557E-01
(1S+,3P-)	F0	1.1380173E+01	G1	9.5297620E-01
(1S+,3P+)	F0	9.4016547E+00	G1	8.5092614E-01
(1S+,3D-)	F0	9.4425792E+00	G2	3.0240341E-02
(1S+,3D+)	F0	8.9420798E+00	G2	3.5943147E-02
(1S+,4S+)	F0	4.7242754E+00	G0	1.9460580E-01
(1S+,4P-)	F0	4.9371745E+00	G1	2.4793054E-01
(1S+,4P+)	F0	4.2088753E+00	G1	2.2574504E-01
(1S+,4D-)	F0	4.0719324E+00	G2	9.0835569E-03
(1S+,4D+)	F0	3.8949715E+00	G2	1.0874295E-02
(1S+,4F-)	F0	3.6464002E+00	G3	4.1134906E-05
(1S+,4F+)	F0	3.5797348E+00	G3	5.6166317E-05
(1S+,5S+)	F0	2.2259104E+00	G0	5.1714378E-02
(1S+,5P-)	F0	2.2037954E+00	G1	6.2185181E-02
(1S+,5P+)	F0	1.9062529E+00	G1	5.6016153E-02
(1S+,5D-)	F0	1.6956603E+00	G2	1.9695387E-03
(1S+,5D+)	F0	1.6260154E+00	G2	2.3351922E-03
(1S+,5F-)	F0	1.0963660E+00	G3	4.9258253E-06
(1S+,5F+)	F0	1.0623642E+00	G3	6.4924131E-06
(1S+,6S+)	F0	9.6578090E-01	G0	1.0428653E-02
(1S+,6P-)	F0	8.7247566E-01	G1	1.0580099E-02
(1S+,6P+)	F0	7.3032340E-01	G1	8.4085575E-03
(1S+,6D-)	F0	4.1834581E-01	G2	1.0274996E-04
(1S+,7S+)	F0	3.1936732E-01	G0	9.6397297E-04
(2S+,2S+)	F0	1.7222253E+01		
(2S+,2P-)	F0	1.8854804E+01	G1	9.1713825E+00
(2S+,2P+)	F0	1.6999340E+01	G1	9.6676690E+00
(2S+,3S+)	F0	8.5544119E+00	G0	8.3394566E-01
(2S+,3P-)	F0	9.1336951E+00	G1	7.5266375E-01
(2S+,3P+)	F0	8.0746902E+00	G1	6.4611529E-01
(2S+,3D-)	F0	9.0629960E+00	G2	1.9113809E+00
(2S+,3D+)	F0	8.6673977E+00	G2	1.7699159E+00
(2S+,4S+)	F0	4.2477996E+00	G0	1.9147698E-01
(2S+,4P-)	F0	4.3544971E+00	G1	1.7662678E-01
(2S+,4P+)	F0	3.8636919E+00	G1	1.4514254E-01
(2S+,4D-)	F0	3.9673776E+00	G2	4.2029383E-01
(2S+,4D+)	F0	3.8191984E+00	G2	3.9747937E-01
(2S+,4F-)	F0	3.6437178E+00	G3	3.0015001E-02
(2S+,4F+)	F0	3.5776358E+00	G3	2.8897536E-02
(2S+,5S+)	F0	2.0988935E+00	G0	4.9004837E-02

TABLE 1.– CONTINUED

CURIUM 5F7 6D1 Z=96

(2S+,5P-)	F0	2.0576919E+00	G1	4.3235621E-02				
(2S+,5P+)	F0	1.8209855E+00	G1	3.4654335E-02				
(2S+,5D-)	F0	1.6734053E+00	G2	8.5211992E-02				
(2S+,5D+)	F0	1.6100622E+00	G2	8.0042697E-02				
(2S+,5F-)	F0	1.0960515E+00	G3	3.4250394E-03				
(2S+,5F+)	F0	1.0621268E+00	G3	3.1865873E-03				
(2S+,6S+)	F0	9.4014632E-01	G0	9.7921897E-03				
(2S+,6P-)	F0	8.4761878E-01	G1	7.3158642E-03				
(2S+,6P+)	F0	7.1753624E-01	G1	5.1594115E-03				
(2S+,6D-)	F0	4.1718818E-01	G2	4.3981874E-03				
(2S+,7S+)	F0	3.1699748E-01	G0	9.0382538E-04				
(2P-,2P-)	F0	2.1642963E+01						
(2P-,2P+)	F0	1.8885281E+01	G2	7.6090036E+00				
(2P-,3S+)	F0	8.8625134E+00	G1	8.6291862E-01				
(2P-,3P-)	F0	9.5889529E+00	G0	1.1511006E+00				
(2P-,3P+)	F0	8.4271178E+00	G2	8.7084967E-01				
(2P-,3D-)	F0	9.2133485E+00	G1	1.8865512E+00				
(2P-,3D+)	F0	8.7809953E+00	G3	9.1061493E-01				
(2P-,4S+)	F0	4.3298588E+00	G1	2.0692858E-01				
(2P-,4P-)	F0	4.4697609E+00	G0	2.5712712E-01				
(2P-,4P+)	F0	3.9536796E+00	G2	2.0650321E-01				
(2P-,4D-)	F0	4.0078464E+00	G1	4.3460267E-01				
(2P-,4D+)	F0	3.8499499E+00	G3	2.1602794E-01				
(2P-,4F-)	F0	3.6449772E+00	G2	2.2103782E-02				
(2P-,4F+)	F0	3.5786359E+00	G4	1.2948459E-02				
(2P-,5S+)	F0	2.1206745E+00	G1	5.3489078E-02				
(2P-,5P-)	F0	2.0864244E+00	G0	6.2202560E-02				
(2P-,5P+)	F0	1.8431136E+00	G2	4.9880284E-02				
(2P-,5D-)	F0	1.6819749E+00	G1	8.9045597E-02				
(2P-,5D+)	F0	1.6165095E+00	G3	4.4042490E-02				
(2P-,5F-)	F0	1.0961989E+00	G2	2.5315575E-03				
(2P-,5F+)	F0	1.0622397E+00	G4	1.4335740E-03				
(2P-,6S+)	F0	9.4453754E-01	G1	1.0713778E-02				
(2P-,6P-)	F0	8.5250059E-01	G0	1.0497224E-02				
(2P-,6P+)	F0	7.2085143E-01	G2	7.4442997E-03				
(2P-,6D-)	F0	4.1763357E-01	G1	4.6038454E-03				
(2P-,7S+)	F0	3.1740336E-01	G1	9.8926251E-04				
(2P+,2P+)	F0	1.7085970E+01	F2	8.0864131E+00				
(2P+,3S+)	F0	8.5040998E+00	G1	8.5248456E-01				
(2P+,3P-)	F0	9.1163764E+00	G2	9.7704212E-01				
(2P+,3P+)	F0	8.0917447E+00	F2	2.0500793E+00	G0	8.3354397E-01	G2	8.9965136E-01
(2P+,3D-)	F0	9.0497078E+00	F2	2.8520069E+00	G1	2.4931873E+00	G3	1.4336216E+00
(2P+,3D+)	F0	8.6539663E+00	F2	2.5858996E+00	G1	2.4098179E+00	G3	1.3870273E+00
(2P+,4S+)	F0	4.2339355E+00	G1	1.9652228E-01				
(2P+,4P-)	F0	4.3488961E+00	G2	2.2326339E-01				
(2P+,4P+)	F0	3.8677595E+00	F2	5.1996615E-01	G0	1.8171126E-01	G2	2.1175877E-01
(2P+,4D-)	F0	3.9652373E+00	F2	6.2469034E-01	G1	5.1686867E-01	G3	3.0749684E-01
(2P+,4D+)	F0	3.6167020E+00	F2	5.6984098E-01	G1	5.1533537E-01	G3	3.0583026E-01
(2P+,4F-)	F0	3.6431735E+00	F2	2.8589733E-01	G2	4.3044791E-02	G4	2.7799835E-02
(2P+,4F+)	F0	3.5771602E+00	F2	2.6903564E-01	G2	4.2403866E-02	G4	2.7378196E-02
(2P+,5S+)	F0	2.0951315E+00	G1	5.0360801E-02				
(2P+,5P-)	F0	2.0562193E+00	G2	5.4346733E-02				
(2P+,5P+)	F0	1.8219664E+00	F2	1.2725232E-01	G0	4.3038964E-02	G2	5.1056729E-02
(2P+,5D-)	F0	1.6730099E+00	F2	1.2688759E-01	G1	1.0369572E-01	G3	6.2156544E-02
(2P+,5D+)	F0	1.6095848E+00	F2	1.1465193E-01	G1	1.0289328E-01	G3	6.1473820E-02

TABLE 1.– CONTINUED

CURIUM 5F7 6D1 Z=96

(2P+,5F-)	F0	1.0959897E+00	F2	2.8605550E-02	G2	4.8532726E-03	G4	3.1404355E-03
(2P+,5F+)	F0	1.0620746E+00	F2	2.6020523E-02	G2	4.6248286E-03	G4	2.9915151E-03
(2P+,6S+)	F0	9.3939636E-01	G1	1.0066333E-02				
(2P+,6P-)	F0	8.4736562E-01	G2	9.1846306E-03				
(2P+,6P+)	F0	7.1768256E-01	F2	1.9219130E-02	G0	6.3964069E-03	G2	7.6168814E-03
(2P+,6D-)	F0	4.1716809E-01	F2	6.6677068E-03	G1	5.3436058E-03	G3	3.2068842E-03
(2P+,7S+)	F0	3.1692813E-01	G1	9.2917591E-04				
(3S+,3S+)	F0	6.5146255E+00						
(3S+,3P-)	F0	6.7234884E+00	G1	4.1129802E+00				
(3S+,3P+)	F0	6.2651468E+00	G1	4.0129027E+00				
(3S+,3D-)	F0	6.7141187E+00	G2	2.7448374E+00				
(3S+,3D+)	F0	6.5862376E+00	G2	2.7901630E+00				
(3S+,4S+)	F0	3.7518600E+00	G0	2.9357882E-01				
(3S+,4P-)	F0	3.7982416E+00	G1	2.9580809E-01				
(3S+,4P+)	F0	3.4312226E+00	G1	3.2297973E-01				
(3S+,4D-)	F0	3.4971356E+00	G2	2.0810881E-01				
(3S+,4D+)	F0	3.3975949E+00	G2	1.9793395E-01				
(3S+,4F-)	F0	3.5389544E+00	G3	6.1001098E-01				
(3S+,4F+)	F0	3.4835254E+00	G3	5.8624674E-01				
(3S+,5S+)	F0	1.9691199E+00	G0	6.2617705E-02				
(3S+,5P-)	F0	1.9207463E+00	G1	6.2560824E-02				
(3S+,5P+)	F0	1.7157547E+00	G1	6.6907038E-02				
(3S+,5D-)	F0	1.5786073E+00	G2	4.0427011E-02				
(3S+,5D+)	F0	1.5258878E+00	G2	3.7133323E-02				
(3S+,5F-)	F0	1.0847572E+00	G3	5.6743811E-02				
(3S+,5F+)	F0	1.0523178E+00	G3	5.3025080E-02				
(3S+,6S+)	F0	9.1406742E-01	G0	1.2049283E-02				
(3S+,6P-)	F0	8.2441003E-01	G1	1.0270213E-02				
(3S+,6P+)	F0	7.0180392E-01	G1	9.6853229E-03				
(3S+,6D-)	F0	4.1229807E-01	G2	2.0763370E-03				
(3S+,7S+)	F0	3.1458819E-01	G0	1.1056563E-03				
(3P-,3P-)	F0	6.9886325E+00						
(3P-,3P+)	F0	6.4570385E+00	G2	2.9390568E+00				
(3P-,3D-)	F0	6.9659557E+00	G1	3.8987373E+00				
(3P-,3D+)	F0	6.8180860E+00	G3	2.4640258E+00				
(3P-,4S+)	F0	3.7984234E+00	G1	3.5615649E-01				
(3P-,4P-)	F0	3.8542022E+00	G0	3.3242658E-01				
(3P-,4P+)	F0	3.4744914E+00	G2	3.3058234E-01				
(3P-,4D-)	F0	3.5405098E+00	G1	2.2318210E-01				
(3P-,4D+)	F0	3.4382563E+00	G3	2.2480333E-01				
(3P-,4F-)	F0	3.5558267E+00	G2	6.8415397E-01				
(3P-,4F+)	F0	3.4988913E+00	G4	4.2762563E-01				
(3P-,5S+)	F0	1.9811518E+00	G1	7.9625120E-02				
(3P-,5P-)	F0	1.9343502E+00	G0	6.8818081E-02				
(3P-,5P+)	F0	1.7261914E+00	G2	7.1770129E-02				
(3P-,5D-)	F0	1.5871659E+00	G1	4.0113880E-02				
(3P-,5D+)	F0	1.5338289E+00	G3	4.1376769E-02				
(3P-,5F-)	F0	1.0865460E+00	G2	6.4134312E-02				
(3P-,5F+)	F0	1.0538949E+00	G4	3.9379411E-02				
(3P-,6S+)	F0	9.1647852E-01	G1	1.5438826E-02				
(3P-,6P-)	F0	8.2670951E-01	G0	1.1252459E-02				
(3P-,6P+)	F0	7.0336155E-01	G2	1.0485876E-02				
(3P-,6D-)	F0	4.1273813E-01	G1	2.0368875E-03				
(3P-,7S+)	F0	3.1481084E-01	G1	1.4183372E-03				
(3P+,3P+)	F0	6.0565014E+00	F2	2.9915402E+00				

TABLE 1.– CONTINUED

CURIUM 5F7 6D1 Z=96

(3P+,3D-)	F0	6.4375947E+00	F2	2.9968005E+00	G1	3.1062071E+00	G3	2.0672914E+00					
(3P+,3D+)	F0	6.3234393E+00	F2	3.0110539E+00	G1	3.2091689E+00	G3	2.1360343E+00					
(3P+,4S+)	F0	3.7008309E+00	G1	3.6735310E-01									
(3P+,4P-)	F0	3.7470158E+00	G2	3.7945498E-01									
(3P+,4P+)	F0	3.3906955E+00	F2	9.9715124E-01	G0	2.7314134E-01	G2	3.1478513E-01					
(3P+,4D-)	F0	3.4531606E+00	F2	1.0138714E+00	G1	2.4989424E-01	G3	2.4927563E-01					
(3P+,4D+)	F0	3.3557125E+00	F2	9.6086699E-01	G1	2.1882670E-01	G3	2.2950230E-01					
(3P+,4F-)	F0	3.5066619E+00	F2	1.2625491E+00	G2	8.7874631E-01	G4	5.8460635E-01					
(3P+,4F+)	F0	3.4534993E+00	F2	1.2223815E+00	G2	8.5254410E-01	G4	5.6771323E-01					
(3P+,5S+)	F0	1.9560902E+00	G1	7.7756067E-02									
(3P+,5P-)	F0	1.9084211E+00	G2	7.9160861E-02									
(3P+,5P+)	F0	1.7061444E+00	F2	2.5034594E-01	G0	5.5295660E-02	G2	6.7577292E-02					
(3P+,5D-)	F0	1.5699147E+00	F2	2.1203461E-01	G1	4.7996184E-02	G3	4.7994241E-02					
(3P+,5D+)	F0	1.5177120E+00	F2	1.9851101E-01	G1	4.1463367E-02	G3	4.3669353E-02					
(3P+,5F-)	F0	1.0815365E+00	F2	1.2054236E-01	G2	7.6907842E-02	G4	5.2011369E-02					
(3P+,5F+)	F0	1.0494136E+00	F2	1.1314731E-01	G2	7.2725689E-02	G4	4.9200497E-02					
(3P+,6S+)	F0	9.1146310E-01	G1	1.4925084E-02									
(3P+,6P-)	F0	8.2233091E-01	G2	1.2970865E-02									
(3P+,6P+)	F0	7.0037434E-01	F2	3.8938459E-02	G0	7.9727291E-03	G2	9.8516833E-03					
(3P+,6D-)	F0	4.1185092E-01	F2	1.1848682E-02	G1	2.4580470E-03	G3	2.4579968E-03					
(3P+,7S+)	F0	3.1434779E-01	G1	1.3690590E-03									
(3D-,3D-)	F0	7.0881650E+00	F2	3.5770041E+00									
(3D-,3D+)	F0	6.9314348E+00	F2	3.5176361E+00	G2	3.4044251E+00	G4	2.1921081E+00					
(3D-,4S+)	F0	3.7943913E+00	G2	3.3931940E-01									
(3D-,4P-)	F0	3.8455263E+00	G1	3.5438208E-01									
(3D-,4P+)	F0	3.4700042E+00	F2	8.9606977E-01	G1	2.8464109E-01	G3	2.8042171E-01					
(3D-,4D-)	F0	3.5619588E+00	F2	9.6674393E-01	G0	3.1293457E-01	G2	3.8362721E-01					
(3D-,4D+)	F0	3.4597889E+00	F2	9.2243017E-01	G2	3.5783592E-01	G4	2.7843108E-01					
(3D-,4F-)	F0	3.5570721E+00	F2	1.0578125E+00	G1	8.9039679E-01	G3	5.2547993E-01					
(3D-,4F+)	F0	3.4996852E+00	F2	1.0183801E+00	G3	4.9326440E-01	G5	3.4213758E-01					
(3D-,5S+)	F0	1.9800015E+00	G2	7.6009220E-02									
(3D-,5P-)	F0	1.9320682E+00	G1	7.2984553E-02									
(3D-,5P+)	F0	1.7250561E+00	F2	2.2279759E-01	G1	6.0034245E-02	G3	6.1911224E-02					
(3D-,5D-)	F0	1.5912934E+00	F2	1.9912118E-01	G0	5.3623350E-02	G2	7.0690240E-02					
(3D-,5D+)	F0	1.5379891E+00	F2	1.8779098E-01	G2	6.5273546E-02	G4	5.2139173E-02					
(3D-,5F-)	F0	1.0867881E+00	F2	1.0197563E-01	G1	8.0845069E-02	G3	4.8698066E-02					
(3D-,5F+)	F0	1.0540726E+00	F2	9.5128458E-02	G3	4.4328881E-02	G5	3.0997871E-02					
(3D-,6S+)	F0	9.1624262E-01	G2	1.4764419E-02									
(3D-,6P-)	F0	8.2631738E-01	G1	1.1931502E-02									
(3D-,6P+)	F0	7.0319036E-01	F2	3.4406917E-02	G1	8.7222735E-03	G3	9.0760252E-03					
(3D-,6D-)	F0	4.1294949E-01	F2	1.0939881E-02	G0	2.6997883E-03	G2	3.5971209E-03					
(3D-,7S+)	F0	3.1478897E-01	G2	1.3568063E-03									
(3D+,3D+)	F0	6.7878971E+00	F2	3.4734151E+00	F4	2.2380772E+00							
(3D+,4S+)	F0	3.7656517E+00	G2	3.5015489E-01									
(3D+,4P-)	F0	3.8139815E+00	G3	3.5971793E-01									
(3D+,4P+)	F0	3.4448318E+00	F2	9.2355222E-01	G1	2.8660854E-01	G3	2.8904081E-01					
(3D+,4D-)	F0	3.5334387E+00	F2	9.8839131E-01	G2	3.6644697E-01	G4	2.9084439E-01					
(3D+,4D+)	F0	3.4334787E+00	F2	9.4305721E-01	F4	4.6188620E-01	G0	2.9261712E-01	G2	3.6825620E-01	G4	2.8942531E-01	
(3D+,4F-)	F0	3.5452972E+00	F2	1.1098795E+00	F4	5.8484520E-01	G1	9.3520187E-01	G3	5.5390771E-01	G5	3.8426445E-01	
(3D+,4F+)	F0	3.4888654E+00	F2	1.0698240E+00	F4	5.5820489E-01	G1	9.1469455E-01	G3	5.4188855E-01	G5	3.7596178E-01	
(3D+,5S+)	F0	1.9725800E+00	G2	7.7163893E-02									
(3D+,5P-)	F0	1.9243980E+00	G3	7.7236826E-02									
(3D+,5P+)	F0	1.7189947E+00	F2	2.3016065E-01	G1	5.9974051E-02	G3	6.3439029E-02					
(3D+,5D-)	F0	1.5856042E+00	F2	2.0412027E-01	G2	6.7100290E-02	G4	5.4791841E-02					
(3D+,5D+)	F0	1.5327945E+00	F2	1.9247864E-01	F4	8.5410663E-02	G0	4.9477759E-02	G2	6.7008632E-02	G4	5.4102941E-02	

TABLE 1.– CONTINUED

CURIUM 5F7 6D1 Z=96

(3D+,5F-)	F0	1.0855827E+00	F2	1.0685018E-01	F4	5.0762423E-02	G1	8.3318343E-02	G3	5.0478223E-02	G5	3.5341176E-02			
(3D+,5F+)	F0	1.0530004E+00	F2	9.9803830E-02	F4	4.7001437E-02	G1	7.9448126E-02	G3	4.8095308E-02	G5	3.3662372E-02			
(3D+,6S+)	F0	9.1475550E-01	G2	1.4946167E-02											
(3D+,6P-)	F0	8.2502073E-01	G3	1.2735006E-02											
(3D+,6P+)	F0	7.0228600E-01	F2	3.5607539E-02	G1	8.7013662E-03	G3	9.2899958E-03							
(3D+,6D-)	F0	4.1265647E-01	F2	1.1255738E-02	G2	3.4113352E-03	G4	2.7974887E-03							
(3D+,7S+)	F0	3.1465165E-01	G2	1.3729240E-03											
(4S+,4S+)	F0	2.9993918E+00													
(4S+,4P-)	F0	3.0133224E+00	G1	2.0056238E+00											
(4S+,4P+)	F0	2.8255112E+00	G1	1.8311452E+00											
(4S+,4D-)	F0	2.8531180E+00	G2	1.4048458E+00											
(4S+,4D+)	F0	2.8000857E+00	G2	1.3689527E+00											
(4S+,4F-)	F0	2.8745155E+00	G3	1.0312186E+00											
(4S+,4F+)	F0	2.8503494E+00	G3	1.0299483E+00											
(4S+,5S+)	F0	1.7930023E+00	G0	1.1696896E-01											
(4S+,5P-)	F0	1.7476919E+00	G1	1.3223009E-01											
(4S+,5P+)	F0	1.5792843E+00	G1	1.4916556E-01											
(4S+,5D-)	F0	1.4579599E+00	G2	1.0544077E-01											
(4S+,5D+)	F0	1.4142718E+00	G2	1.0912580E-01											
(4S+,5F-)	F0	1.0279566E+00	G3	3.5588638E-02											
(4S+,5F+)	F0	9.9972164E-01	G3	3.5315559E-02											
(4S+,6S+)	F0	8.7927089E-01	G0	1.9160571E-02											
(4S+,6P-)	F0	7.9553633E-01	G1	1.9137283E-02											
(4S+,6P+)	F0	6.8163732E-01	G1	1.9301983E-02											
(4S+,6D-)	F0	4.0612613E-01	G2	4.9061994E-03											
(4S+,7S+)	F0	3.1138225E-01	G0	1.7183944E-03											
(4P-,4P-)	F0	3.0299331E+00													
(4P-,4P+)	F0	2.8364219E+00	G2	1.3694805E+00											
(4P-,4D-)	F0	2.8652832E+00	G1	1.8347634E+00											
(4P-,4D+)	F0	2.8109126E+00	G3	1.1083519E+00											
(4P-,4F-)	F0	2.8856235E+00	G2	1.2636166E+00											
(4P-,4F+)	F0	2.8609176E+00	G4	8.8769734E-01											
(4P-,5S+)	F0	1.7963470E+00	G1	1.5433657E-01											
(4P-,5P-)	F0	1.7514668E+00	G0	1.1832200E-01											
(4P-,5P+)	F0	1.5820136E+00	G2	1.3680313E-01											
(4P-,5D-)	F0	1.4604291E+00	G1	1.2151108E-01											
(4P-,5D+)	F0	1.4165035E+00	G3	1.0229833E-01											
(4P-,5F-)	F0	1.0289273E+00	G2	4.0298884E-02											
(4P-,5F+)	F0	1.0006261E+00	G4	3.4529712E-02											
(4P-,6S+)	F0	8.7993902E-01	G1	2.5998791E-02											
(4P-,6P-)	F0	7.9616644E-01	G0	1.6705862E-02											
(4P-,6P+)	F0	6.8204341E-01	G2	1.8201172E-02											
(4P-,6D-)	F0	4.0625255E-01	G1	5.5812507E-03											
(4P-,7S+)	F0	3.1144328E-01	G1	2.3407284E-03											
(4P+,4P+)	F0	2.6854808E+00	F2	1.3949464E+00											
(4P+,4D-)	F0	2.7043364E+00	F2	1.3772116E+00	G1	1.6956445E+00	G3	1.0815840E+00							
(4P+,4D+)	F0	2.6607543E+00	F2	1.3610936E+00	G1	1.7013787E+00	G3	1.0808817E+00							
(4P+,4F-)	F0	2.7130750E+00	F2	1.3545474E+00	G2	1.0982435E+00	G4	7.9227483E-01							
(4P+,4F+)	F0	2.6931629E+00	F2	1.3519542E+00	G2	1.1006908E+00	G4	7.9759695E-01							
(4P+,5S+)	F0	1.7581109E+00	G1	1.7491921E-01											
(4P+,5P-)	F0	1.7145987E+00	G2	1.6281297E-01											
(4P+,5P+)	F0	1.5526970E+00	F2	4.8166239E-01	G0	1.0100247E-01	G2	1.2889022E-01							
(4P+,5D-)	F0	1.4347987E+00	F2	4.0258095E-01	G1	8.6938610E-02	G3	8.8905873E-02							
(4P+,5D+)	F0	1.3924895E+00	F2	3.7900685E-01	G1	8.9429695E-02	G3	8.7539241E-02							
(4P+,5F-)	F0	1.0168206E+00	F2	1.9728550E-01	G2	2.9960919E-02	G4	2.8946487E-02							

TABLE 1.– CONTINUED

CURIUM 5F7 6D1 Z=96

(4P+,5F+)	F0 9.8916553E-01	F2 1.8696534E-01	G2 2.9111853E-02	G4 2.7984927E-02				
(4P+,6S+)	F0 8.7253202E-01	G1 2.7235716E-02						
(4P+,6P-)	F0 7.9012061E-01	G2 2.3115085E-02						
(4P+,6P+)	F0 6.7778093E-01	F2 8.1515554E-02	G0 1.2642668E-02	G2 1.6958767E-02				
(4P+,6D-)	F0 4.0495917E-01	F2 2.5695439E-02	G1 4.0189432E-03	G3 4.2590160E-03				
(4P+,7S+)	F0 3.1076263E-01	G1 2.4293058E-03						
(4D-,4D-)	F0 2.7318241E+00	F2 1.3829314E+00						
(4D-,4D+)	F0 2.6856059E+00	F2 1.3609608E+00	G2 1.3499256E+00	G4 9.1196657E-01				
(4D-,4F-)	F0 2.7403366E+00	F2 1.3599648E+00	G1 1.4865377E+00	G3 9.9015523E-01				
(4D-,4F+)	F0 2.7193204E+00	F2 1.3559448E+00	G3 9.8613225E-01	G5 7.1352011E-01				
(4D-,5S+)	F0 1.7633101E+00	G2 1.9468460E-01						
(4D-,5P-)	F0 1.7197112E+00	G1 1.7520721E-01						
(4D-,5P+)	F0 1.5567731E+00	F2 4.7569449E-01	G1 1.2864813E-01	G3 1.2923944E-01				
(4D-,5D-)	F0 1.4397813E+00	F2 4.0188723E-01	G0 9.5840675E-02	G2 1.1639039E-01				
(4D-,5D+)	F0 1.3971420E+00	F2 3.7822707E-01	G2 1.1138441E-01	G4 9.3771025E-02				
(4D-,5F-)	F0 1.0189393E+00	F2 1.9621782E-01	G1 3.4841761E-02	G3 3.7731477E-02				
(4D-,5F+)	F0 9.9116626E-01	F2 1.8602136E-01	G3 3.6126209E-02	G5 3.0471580E-02				
(4D-,6S+)	F0 8.7356882E-01	G2 3.0127287E-02						
(4D-,6P-)	F0 7.9097346E-01	G1 2.2929279E-02						
(4D-,6P+)	F0 6.7838024E-01	F2 8.0474158E-02	G1 1.6286891E-02	G3 1.7047995E-02				
(4D-,6D-)	F0 4.0521185E-01	F2 2.5570502E-02	G0 4.3546368E-03	G2 5.5040836E-03				
(4D-,7S+)	F0 3.1085823E-01	G2 2.6889131E-03						
(4D+,4D+)	F0 2.6423685E+00	F2 1.3437919E+00	F4 9.0736180E-01					
(4D+,4F-)	F0 2.6920233E+00	F2 1.3291559E+00	F4 8.5846302E-01	G1 1.4167213E+00	G3 9.4985005E-01	G5 6.8939304E-01		
(4D+,4F+)	F0 2.6722541E+00	F2 1.3266149E+00	F4 8.5908325E-01	G1 1.4301024E+00	G3 9.5796229E-01	G5 6.9508139E-01		
(4D+,5S+)	F0 1.7521480E+00	G2 2.0982249E-01						
(4D+,5P-)	F0 1.7090238E+00	G3 1.8426431E-01						
(4D+,5P+)	F0 1.5483119E+00	F2 4.8832613E-01	G1 1.3194933E-01	G3 1.3382773E-01				
(4D+,5D-)	F0 1.4324217E+00	F2 4.1229982E-01	G2 1.1557824E-01	G4 9.9427929E-02				
(4D+,5D+)	F0 1.3902817E+00	F2 3.8801967E-01	F4 1.8594859E-01	G0 9.0919880E-02	G2 1.1156209E-01	G4 9.4924870E-02		
(4D+,5F-)	F0 1.0155823E+00	F2 2.0183878E-01	F4 8.2231319E-02	G1 3.3365273E-02	G3 3.6930402E-02	G5 3.1506048E-02		
(4D+,5F+)	F0 9.8799025E-01	F2 1.9126209E-01	F4 7.7474519E-02	G1 3.2225095E-02	G3 3.5497399E-02	G5 3.0227615E-02		
(4D+,6S+)	F0 8.7142282E-01	G2 3.1374108E-02						
(4D+,6P-)	F0 7.8923046E-01	G3 2.5262640E-02						
(4D+,6P+)	F0 6.7715217E-01	F2 8.3105317E-02	G1 1.6449409E-02	G3 1.7463186E-02				
(4D+,6D-)	F0 4.0484021E-01	F2 2.6434680E-02	G2 5.4404389E-03	G4 4.7781228E-03				
(4D+,7S+)	F0 3.1066119E-01	G2 2.7905385E-03						
(4F-,4F-)	F0 2.7905513E+00	F2 1.4428664E+00	F4 9.3268709E-01					
(4F-,4F+)	F0 2.7677213E+00	F2 1.4328580E+00	F4 9.2660315E-01	G2 1.4180289E+00	G4 9.1745103E-01	G6 6.6863437E-01		
(4F-,5S+)	F0 1.7648372E+00	G3 1.9938425E-01						
(4F-,5P-)	F0 1.7208414E+00	G2 1.9577507E-01						
(4F-,5P+)	F0 1.5578954E+00	F2 4.6962003E-01	G2 1.3652219E-01	G4 1.2753536E-01				
(4F-,5D-)	F0 1.4407158E+00	F2 3.9738552E-01	G1 1.1223672E-01	G3 1.1842936E-01				
(4F-,5D+)	F0 1.3980797E+00	F2 3.7367935E-01	F4 1.8100842E-01	G1 1.0302898E-01	G3 1.0899351E-01	G5 9.1502839E-02		
(4F-,5F-)	F0 1.0227947E+00	F2 2.0290317E-01	F4 8.8852554E-02	G0 5.4939358E-02	G2 6.8413304E-02	G4 5.3411481E-02		
(4F-,5F+)	F0 9.9486048E-01	F2 1.9240807E-01	F4 8.3901563E-02	G2 6.4516608E-02	G4 5.0246540E-02	G6 3.9257262E-02		
(4F-,6S+)	F0 8.7395025E-01	G3 2.9486980E-02						
(4F-,6P-)	F0 7.9120692E-01	G2 2.4163605E-02						
(4F-,6P+)	F0 6.7855668E-01	F2 7.9618383E-02	G2 1.6557747E-02	G4 1.6332302E-02				
(4F-,6D-)	F0 4.0525854E-01	F2 2.5303847E-02	G1 4.9822622E-03	G3 5.5003881E-03				
(4F-,7S+)	F0 3.1089389E-01	G3 2.6291813E-03						
(4F+,4F+)	F0 2.7455805E+00	F2 1.4237012E+00	F4 9.2118361E-01	F6 6.7137328E-01				
(4F+,5S+)	F0 1.7593961E+00	G3 2.0507828E-01						
(4F+,5P-)	F0 1.7156459E+00	G4 1.7980341E-01						
(4F+,5P+)	F0 1.5538165E+00	F2 4.7570257E-01	G2 1.4013260E-01	G4 1.3062807E-01				

TABLE 1.– CONTINUED

CURIUM 5F7 6D1 Z=96

(4F+,5D-)	F0 1.4371813E+00	F2 4.0259894E-01	G3 1.1981642E-01	G5 1.0041408E-01		
(4F+,5D+)	F0 1.3947839E+00	F2 3.7861257E-01	F4 1.8422005E-01	G1 1.0496024E-01	G3 1.1127559E-01	G5 9.3467169E-02
(4F+,5F-)	F0 1.0210898E+00	F2 2.0547634E-01	F4 9.0051584E-02	G2 6.7489705E-02	G4 5.3017209E-02	G6 4.1537451E-02
(4F+,5F+)	F0 9.9325946E-01	F2 1.9484905E-01	F4 8.5003268E-02	F6 5.2775570E-02	G0 5.2125858E-02	G2 6.5143311E-02
(4F+,6S+)	F0 8.7291199E-01	G3 2.9928178E-02				
(4F+,6P-)	F0 7.9036534E-01	G4 2.3936363E-02				
(4F+,6P+)	F0 6.7796596E-01	F2 8.0889952E-02	G2 1.6816901E-02	G4 1.6606545E-02		
(4F+,6D-)	F0 4.0508003E-01	F2 2.5737874E-02	G3 5.5340984E-03	G5 4.7414750E-03		
(4F+,7S+)	F0 3.1079860E-01	G3 2.6653517E-03				
(5S+,5S+)	F0 1.4603865E+00					
(5S+,5P-)	F0 1.4359418E+00	G1 9.9144209E-01				
(5S+,5P+)	F0 1.3419052E+00	G1 3.4617435E-01				
(5S+,5D-)	F0 1.2627782E+00	G2 5.6701301E-01				
(5S+,5D+)	F0 1.2334547E+00	G2 5.2249060E-01				
(5S+,5F-)	F0 9.4375757E-01	G3 2.1019920E-01				
(5S+,5F+)	F0 9.2063282E-01	G3 1.9458168E-01				
(5S+,6S+)	F0 8.2058734E-01	G0 4.2296357E-02				
(5S+,6P-)	F0 7.4853432E-01	G1 4.8064135E-02				
(5S+,6P+)	F0 6.4882994E-01	G1 4.8825859E-02				
(5S+,6D-)	F0 3.9654394E-01	G2 1.6732089E-02				
(5S+,7S+)	F0 3.0603473E-01	G0 3.4000543E-03				
(5P-,5P-)	F0 1.4129878E+00					
(5P-,5P+)	F0 1.3239260E+00	G2 6.6257891E-01				
(5P-,5D-)	F0 1.2480770E+00	G1 7.5251001E-01				
(5P-,5D+)	F0 1.2199363E+00	G3 4.4181514E-01				
(5P-,5F-)	F0 9.3751630E-01	G2 2.7734900E-01				
(5P-,5F+)	F0 9.1483227E-01	G4 1.7583452E-01				
(5P-,6S+)	F0 8.1686818E-01	G1 5.9402002E-02				
(5P-,6P-)	F0 7.4560865E-01	G0 3.6505299E-02				
(5P-,6P+)	F0 6.4671757E-01	G2 4.1814657E-02				
(5P-,6D-)	F0 3.9591193E-01	G1 1.9004711E-02				
(5P-,7S+)	F0 3.0570050E-01	G1 4.8135363E-03				
(5P+,5P+)	F0 1.2544805E+00	F2 6.7439843E-01				
(5P+,5D-)	F0 1.1909120E+00	F2 6.2899236E-01	G1 7.9917209E-01	G3 5.0496039E-01		
(5P+,5D+)	F0 1.1674289E+00	F2 6.1225653E-01	G1 7.7126670E-01	G3 4.8660516E-01		
(5P+,5F-)	F0 9.1314140E-01	F2 4.0537650E-01	G2 3.3699012E-01	G4 2.2950822E-01		
(5P+,5F+)	F0 8.9218638E-01	F2 3.8880290E-01	G2 3.1776108E-01	G4 2.1632523E-01		
(5P+,6S+)	F0 8.0225270E-01	G1 7.9767838E-02				
(5P+,6P-)	F0 7.3403423E-01	G2 5.7137596E-02				
(5P+,6P+)	F0 6.3851011E-01	F2 1.7391529E-01	G0 2.9081839E-02	G2 3.9545608E-02		
(5P+,6D-)	F0 3.9346056E-01	F2 6.0742831E-02	G1 1.5067046E-02	G3 1.2462704E-02		
(5P+,7S+)	F0 3.0439001E-01	G1 5.9094863E-03				
(5D-,5D-)	F0 1.1371220E+00	F2 6.0025395E-01				
(5D-,5D+)	F0 1.1170866E+00	F2 5.8918312E-01	G2 5.8700833E-01	G4 4.0032755E-01		
(5D-,5F-)	F0 8.8795101E-01	F2 4.1354666E-01	G1 4.8676030E-01	G3 3.0033786E-01		
(5D-,5F+)	F0 8.6861104E-01	F2 3.9851481E-01	G3 2.8536234E-01	G5 2.0356825E-01		
(5D-,6S+)	F0 7.8819864E-01	G2 1.2535791E-01				
(5D-,6P-)	F0 7.2320875E-01	G1 9.2461852E-02				
(5D-,6P+)	F0 6.3103155E-01	F2 1.9210673E-01	G1 4.8692801E-02	G3 4.8376971E-02		
(5D-,6D-)	F0 3.9130460E-01	F2 6.8549609E-02	G0 1.0827866E-02	G2 1.3832563E-02		
(5D-,7S+)	F0 3.0316323E-01	G2 8.2034160E-03				
(5D+,5D+)	F0 1.0983579E+00	F2 5.8035444E-01	F4 3.9554795E-01			
(5D+,5F-)	F0 8.7851857E-01	F2 4.1619720E-01	F4 2.6847713E-01	G1 4.9749717E-01	G3 3.0720877E-01	G5 2.1910487E-01
(5D+,5F+)	F0 8.5978202E-01	F2 4.0176132E-01	F4 2.5766217E-01	G1 4.7568616E-01	G3 2.9340545E-01	G5 2.0919345E-01
(5D+,6S+)	F0 7.8285112E-01	G2 1.4082166E-01				

TABLE 1.– CONTINUED

CURIUM 5F7 6D1 Z=96

(5D+,6P-)	F0	7.1907758E-01	G3	9.1903452E-02							
(5D+,6P+)	F0	6.2819799E-01	F2	1.9869859E-01	G1	5.4187277E-02	G3	5.2584296E-02			
(5D+,6D-)	F0	3.9048841E-01	F2	7.1438996E-02	G2	1.4062950E-02	G4	1.2145015E-02			
(5D+,7S+)	F0	3.0270054E-01	G2	8.8379329E-03							
(5F-,5F-)	F0	7.4724901E-01	F2	3.6585688E-01	F4	2.3726604E-01					
(5F-,5F+)	F0	7.3490318E-01	F2	3.5884546E-01	F4	2.3241423E-01	G2	3.5835143E-01	G4	2.3216005E-01	G6 1.6981031E-01
(5F-,6S+)	F0	6.9422762E-01	G3	2.1789299E-01							
(5F-,6P-)	F0	6.4869995E-01	G2	2.2382180E-01							
(5F-,6P+)	F0	5.7990819E-01	F2	2.4908036E-01	G2	1.6045326E-01	G4	1.1817480E-01			
(5F-,6D-)	F0	3.7688473E-01	F2	1.0995292E-01	G1	5.5224835E-02	G3	4.6733480E-02			
(5F-,7S+)	F0	2.9550172E-01	G3	1.5901506E-02							
(5F+,5F+)	F0	7.2306047E-01	F2	3.5241601E-01	F4	2.2802429E-01	F6	1.6668964E-01			
(5F+,6S+)	F0	6.8492705E-01	G3	2.1970831E-01							
(5F+,6P-)	F0	6.4101545E-01	G4	1.6387956E-01							
(5F+,6P+)	F0	5.7433845E-01	F2	2.5062123E-01	G2	1.6682656E-01	G4	1.2197833E-01			
(5F+,6D-)	F0	3.7513527E-01	F2	1.1286561E-01	G3	5.0193881E-02	G5	3.6921286E-02			
(5F+,7S+)	F0	2.9465594E-01	G3	1.7278298E-02							
(6S+,6S+)	F0	6.6569527E-01									
(6S+,6P-)	F0	6.2845902E-01	G1	4.3157494E-01							
(6S+,6P+)	F0	5.6855631E-01	G1	3.2715268E-01							
(6S+,6D-)	F0	3.7480464E-01	G2	7.4341217E-02							
(6S+,7S+)	F0	2.9352425E-01	G0	1.0158900E-02							
(6P-,6P-)	F0	5.9777032E-01									
(6P-,6P+)	F0	5.4698020E-01	G2	2.7596857E-01							
(6P-,6D-)	F0	3.6885925E-01	G1	1.2757144E-01							
(6P-,7S+)	F0	2.9080841E-01	G1	1.7093759E-02							
(6P+,6D-)	F0	3.5759490E-01	F2	1.5742358E-01	G1	1.7272527E-01	G3	1.0612206E-01			
(6P+,7S+)	F0	2.8607551E-01	G1	3.2627628E-02							
(6D-,7S+)	F0	2.5092133E-01	G2	9.9348762E-02							
(7S+,7S+)	F0	2.3051509E-01									

BERKELIUM 5F9 Z=97

(1S+,1S+)	F0	7.6494583E+01		
(1S+,2S+)	F0	2.6025217E+01	G0	3.5796911E+00
(1S+,2P-)	F0	3.1334441E+01	G1	4.7330315E+00
(1S+,2P+)	F0	2.3707127E+01	G1	3.6199822E+00
(1S+,3S+)	F0	1.0501162E+01	G0	7.4678531E-01
(1S+,3P-)	F0	1.1601017E+01	G1	9.6606568E-01
(1S+,3P+)	F0	9.5307802E+00	G1	8.5992782E-01
(1S+,3D-)	F0	9.5733230E+00	G2	3.0124079E-02
(1S+,3D+)	F0	9.0545619E+00	G2	3.6043366E-02
(1S+,4S+)	F0	4.8141413E+00	G0	2.0394800E-01
(1S+,4P-)	F0	5.0370922E+00	G1	2.5237961E-01
(1S+,4P+)	F0	4.2759029E+00	G1	2.2943788E-01
(1S+,4D-)	F0	4.1405008E+00	G2	9.1215599E-03
(1S+,4D+)	F0	3.9570063E+00	G2	1.0998601E-02
(1S+,4F-)	F0	3.7118818E+00	G3	4.1540202E-05
(1S+,4F+)	F0	3.6427544E+00	G3	5.7323018E-05
(1S+,5S+)	F0	2.2753772E+00	G0	5.3886335E-02
(1S+,5P-)	F0	2.2565867E+00	G1	6.3968851E-02
(1S+,5P+)	F0	1.9434467E+00	G1	5.7455728E-02

TABLE 1.– CONTINUED

BERKELIUM 5F9 Z=97

(1S+,5D-)	F0	1.7321383E+00	G2	2.0022804E-03
(1S+,5D+)	F0	1.6588201E+00	G2	2.3881899E-03
(1S+,5F-)	F0	1.1030892E+00	G3	4.9183979E-06
(1S+,5F+)	F0	1.0609537E+00	G3	6.4702574E-06
(1S+,6S+)	F0	9.7750632E-01	G0	1.0622029E-02
(1S+,6P-)	F0	8.7910108E-01	G1	1.0489264E-02
(1S+,6P+)	F0	7.2577988E-01	G1	8.0875308E-03
(1S+,7S+)	F0	3.0722931E-01	G0	8.5390979E-04
(2S+,2S+)	F0	1.7519579E+01		
(2S+,2P-)	F0	1.9193439E+01	G1	9.2971441E+00
(2S+,2P+)	F0	1.7245607E+01	G1	9.8083134E+00
(2S+,3S+)	F0	8.6995576E+00	G0	8.5327815E-01
(2S+,3P-)	F0	9.2946446E+00	G1	7.6689239E-01
(2S+,3P+)	F0	8.1880545E+00	G1	6.5892130E-01
(2S+,3D-)	F0	9.1900936E+00	G2	1.9242870E+00
(2S+,3D+)	F0	8.7794584E+00	G2	1.7789360E+00
(2S+,4S+)	F0	4.3240197E+00	G0	1.9669807E-01
(2S+,4P-)	F0	4.4362190E+00	G1	1.8075267E-01
(2S+,4P+)	F0	3.9246596E+00	G1	1.4856640E-01
(2S+,4D-)	F0	4.0340621E+00	G2	4.2678174E-01
(2S+,4D+)	F0	3.8804525E+00	G2	4.0326448E-01
(2S+,4F-)	F0	3.7091457E+00	G3	3.0476261E-02
(2S+,4F+)	F0	3.6406259E+00	G3	2.9338083E-02
(2S+,5S+)	F0	2.1435204E+00	G0	5.0792965E-02
(2S+,5P-)	F0	2.1043197E+00	G1	4.4707097E-02
(2S+,5P+)	F0	1.8558904E+00	G1	3.5769603E-02
(2S+,5D-)	F0	1.7692048E+00	G2	8.7546019E-02
(2S+,5D+)	F0	1.6425261E+00	G2	8.2067107E-02
(2S+,5F-)	F0	1.1027721E+00	G3	3.4353736E-03
(2S+,5F+)	F0	1.0607188E+00	G3	3.1562695E-03
(2S+,6S+)	F0	9.5149336E-01	G0	9.9204351E-03
(2S+,6P-)	F0	8.5413370E-01	G1	7.2905000E-03
(2S+,6P+)	F0	7.1346728E-01	G1	4.9931757E-03
(2S+,7S+)	F0	3.0513786E-01	G0	7.9640604E-04
(2P-,2P-)	F0	2.2056584E+01		
(2P-,2P+)	F0	1.9159010E+01	G2	7.6783262E+00
(2P-,3S+)	F0	9.0164297E+00	G1	8.7786654E-01
(2P-,3P-)	F0	9.7632254E+00	G0	1.1803117E+00
(2P-,3P+)	F0	8.5477899E+00	G2	8.8391744E-01
(2P-,3D-)	F0	9.3426274E+00	G1	1.8966914E+00
(2P-,3D+)	F0	8.8938727E+00	G3	9.1142952E-01
(2P-,4S+)	F0	4.4087521E+00	G1	2.1131354E-01
(2P-,4P-)	F0	4.5553742E+00	G0	2.6482091E-01
(2P-,4P+)	F0	4.0170326E+00	G2	2.1067189E-01
(2P-,4D-)	F0	4.0754623E+00	G1	4.4081883E-01
(2P-,4D+)	F0	3.9117000E+00	G3	2.1821586E-01
(2P-,4F-)	F0	3.7104361E+00	G2	2.2389331E-02
(2P-,4F+)	F0	3.6416449E+00	G4	1.3091527E-02
(2P-,5S+)	F0	2.1662178E+00	G1	5.5113179E-02
(2P-,5P-)	F0	2.1343361E+00	G0	6.4727923E-02
(2P-,5P+)	F0	1.8788118E+00	G2	5.1336431E-02
(2P-,5D-)	F0	1.7180787E+00	G1	9.1397973E-02
(2P-,5D+)	F0	1.6491490E+00	G3	4.4963587E-02
(2P-,5F-)	F0	1.1029214E+00	G2	2.5333591E-03
(2P-,5F+)	F0	1.0608311E+00	G4	1.4141904E-03

TABLE 1.– CONTINUED

BERKELIUM 5F9 Z=97

(2P-,6S+)	F0 9.5596641E-01	G1 1.0790027E-02				
(2P-,6P-)	F0 8.5904889E-01	G0 1.0527033E-02				
(2P-,6P+)	F0 7.1668743E-01	G2 7.1841369E-03				
(2P-,7S+)	F0 3.0549744E-01	G1 8.6652664E-04				
(2P+,2P+)	F0 1.7290883E+01	F2 8.1815174E+00				
(2P+,3S+)	F0 8.6391917E+00	G1 8.6852183E-01				
(2P+,3P-)	F0 9.2654329E+00	G2 9.9723400E-01				
(2P+,3P+)	F0 8.1979056E+00	F2 2.0792950E+00	G0 8.4634591E-01	G2 9.1310916E-01		
(2P+,3D-)	F0 9.1721444E+00	F2 2.8952760E+00	G1 2.5281010E+00	G3 1.4536172E+00		
(2P+,3D+)	F0 8.7623213E+00	F2 2.6196190E+00	G1 2.4422998E+00	G3 1.4056786E+00		
(2P+,4S+)	F0 4.3073951E+00	G1 2.0063755E-01				
(2P+,4P-)	F0 4.4274977E+00	G2 2.2840618E-01				
(2P+,4P+)	F0 3.9269029E+00	F2 5.2999058E-01	G0 1.8535156E-01	G2 2.1598106E-01		
(2P+,4D-)	F0 4.0307247E+00	F2 6.3820292E-01	G1 5.2717813E-01	G3 3.1367906E-01		
(2P+,4D+)	F0 3.8769823E+00	F2 5.8123595E-01	G1 5.2595679E-01	G3 3.1216084E-01		
(2P+,4F-)	F0 3.7085304E+00	F2 2.9358411E-01	G2 4.4431599E-02	G4 2.8696273E-02		
(2P+,4F+)	F0 3.6400926E+00	F2 2.7599391E-01	G2 4.3779072E-02	G4 2.8266672E-02		
(2P+,5S+)	F0 2.1390334E+00	G1 5.1856242E-02				
(2P+,5P-)	F0 2.1020401E+00	G2 5.6153671E-02				
(2P+,5P+)	F0 1.8564274E+00	F2 1.3083451E-01	G0 4.4276863E-02	G2 5.2531226E-02		
(2P+,5D-)	F0 1.7085527E+00	F2 1.3108208E-01	G1 1.0693908E-01	G3 6.4118648E-02		
(2P+,5D+)	F0 1.6418405E+00	F2 1.1810919E-01	G1 1.0606581E-01	G3 6.3381034E-02		
(2P+,5F-)	F0 1.1027030E+00	F2 2.8948214E-02	G2 4.9454211E-03	G4 3.2003134E-03		
(2P+,5F+)	F0 1.0606616E+00	F2 2.5982027E-02	G2 4.6555938E-03	G4 3.0115890E-03		
(2P+,6S+)	F0 9.5060743E-01	G1 1.0130367E-02				
(2P+,6P-)	F0 8.5375731E-01	G2 9.1449181E-03				
(2P+,6P+)	F0 7.1354210E-01	F2 1.8555877E-02	G0 6.1700676E-03	G2 7.3483683E-03		
(2P+,7S+)	F0 3.0506662E-01	G1 8.1328662E-04				
(3S+,3S+)	F0 6.6210672E+00					
(3S+,3P-)	F0 6.8356924E+00	G1 4.1746485E+00				
(3S+,3P+)	F0 6.3561125E+00	G1 4.0649372E+00				
(3S+,3D-)	F0 6.8155586E+00	G2 2.7902881E+00				
(3S+,3D+)	F0 6.6822538E+00	G2 2.8362414E+00				
(3S+,4S+)	F0 3.8165186E+00	G0 2.9689727E-01				
(3S+,4P-)	F0 3.8660768E+00	G1 3.0164950E-01				
(3S+,4P+)	F0 3.4840488E+00	G1 3.3087391E-01				
(3S+,4D-)	F0 3.5547328E+00	G2 2.1179856E-01				
(3S+,4D+)	F0 3.4517923E+00	G2 2.0181536E-01				
(3S+,4F-)	F0 3.6023528E+00	G3 6.2182770E-01				
(3S+,4F+)	F0 3.5449254E+00	G3 5.9725528E-01				
(3S+,5S+)	F0 2.0095058E+00	G0 6.4506122E-02				
(3S+,5P-)	F0 1.9624751E+00	G1 6.4403847E-02				
(3S+,5P+)	F0 1.7477039E+00	G1 6.9085213E-02				
(3S+,5D-)	F0 1.6114535E+00	G2 4.1536769E-02				
(3S+,5D+)	F0 1.5560582E+00	G2 3.8135114E-02				
(3S+,5F-)	F0 1.0914096E+00	G3 5.6947001E-02				
(3S+,5F+)	F0 1.0509963E+00	G3 5.2536482E-02				
(3S+,6S+)	F0 9.2516835E-01	G0 1.2129558E-02				
(3S+,6P-)	F0 8.3096572E-01	G1 1.0186951E-02				
(3S+,6P+)	F0 6.9830037E-01	G1 9.3772379E-03				
(3S+,7S+)	F0 3.0302267E-01	G0 9.6834243E-04				
(3P-,3P-)	F0 7.1084819E+00					
(3P-,3P+)	F0 6.5517246E+00	G2 2.9688198E+00				
(3P-,3D-)	F0 7.0729113E+00	G1 3.9650032E+00				
(3P-,3D+)	F0 6.9166558E+00	G3 2.5014951E+00				

TABLE 1.– CONTINUED

BERKELIUM 5F9 Z=97

(3P-,4S+)	F0	3.8645691E+00	G1	3.6304713E-01				
(3P-,4P-)	F0	3.9239092E+00	G0	3.4029205E-01				
(3P-,4P+)	F0	3.5284666E+00	G2	3.3689096E-01				
(3P-,4D-)	F0	3.5994262E+00	G1	2.2846929E-01				
(3P-,4D+)	F0	3.4936334E+00	G3	2.2974014E-01				
(3P-,4F-)	F0	3.6197414E+00	G2	6.9661025E-01				
(3P-,4F+)	F0	3.5607294E+00	G4	4.3490780E-01				
(3P-,5S+)	F0	2.0220348E+00	G1	8.1838414E-02				
(3P-,5P-)	F0	1.9766809E+00	G0	7.1127131E-02				
(3P-,5P+)	F0	1.7585156E+00	G2	7.3751989E-02				
(3P-,5D-)	F0	1.6203722E+00	G1	4.1406324E-02				
(3P-,5D+)	F0	1.5643118E+00	G3	4.2632436E-02				
(3P-,5F-)	F0	1.0932282E+00	G2	6.4365664E-02				
(3P-,5F+)	F0	1.0525768E+00	G4	3.8966089E-02				
(3P-,6S+)	F0	9.2762251E-01	G1	1.5506319E-02				
(3P-,6P-)	F0	8.3327989E-01	G0	1.1205936E-02				
(3P-,6P+)	F0	6.9981351E-01	G2	1.0104200E-02				
(3P-,7S+)	F0	3.0321978E-01	G1	1.2392867E-03				
(3P+,3P+)	F0	6.1354776E+00	F2	3.0289713E+00				
(3P+,3D-)	F0	6.5229377E+00	F2	3.0343184E+00	G1	3.1415264E+00	G3	2.0911452E+00
(3P+,3D+)	F0	6.4046461E+00	F2	3.0491352E+00	G1	3.2483162E+00	G3	2.1624808E+00
(3P+,4S+)	F0	3.7620376E+00	G1	3.7569747E-01				
(3P+,4P-)	F0	3.8111345E+00	G2	3.8901680E-01				
(3P+,4P+)	F0	3.4408226E+00	F2	1.0134103E+00	G0	2.7817750E-01	G2	3.2027138E-01
(3P+,4D-)	F0	3.5078359E+00	F2	1.0325275E+00	G1	2.5534251E-01	G3	2.5438528E-01
(3P+,4D+)	F0	3.4071696E+00	F2	9.7770748E-01	G1	2.2292153E-01	G3	2.3381028E-01
(3P+,4F-)	F0	3.5680501E+00	F2	1.2903764E+00	G2	9.0068211E-01	G4	5.9928855E-01
(3P+,4F+)	F0	3.5130816E+00	F2	1.2487470E+00	G2	8.7361052E-01	G4	5.8184361E-01
(3P+,5S+)	F0	1.9954677E+00	G1	7.9977394E-02				
(3P+,5P-)	F0	1.9491162E+00	G2	8.1751412E-02				
(3P+,5P+)	F0	1.7373598E+00	F2	2.5649635E-01	G0	5.6744516E-02	G2	6.9314405E-02
(3P+,5D-)	F0	1.6020800E+00	F2	2.1823129E-01	G1	4.9578497E-02	G3	4.9508387E-02
(3P+,5D+)	F0	1.5472621E+00	F2	2.0390553E-01	G1	4.2650131E-02	G3	4.4914485E-02
(3P+,5F-)	F0	1.0880369E+00	F2	1.2130191E-01	G2	7.7388738E-02	G4	5.2366425E-02
(3P+,5F+)	F0	1.0479973E+00	F2	1.1246075E-01	G2	7.2282455E-02	G4	4.8928502E-02
(3P+,6S+)	F0	9.2242568E-01	G1	1.4994599E-02				
(3P+,6P-)	F0	8.2879369E-01	G2	1.2901763E-02				
(3P+,6P+)	F0	6.9685740E-01	F2	3.7610264E-02	G0	7.6715010E-03	G2	9.4735238E-03
(3P+,7S+)	F0	3.0280247E-01	G1	1.1965922E-03				
(3D-,3D-)	F0	7.1848697E+00	F2	3.6250112E+00				
(3D-,3D+)	F0	7.0223467E+00	F2	3.5633866E+00	G2	3.4458964E+00	G4	2.2188810E+00
(3D-,4S+)	F0	3.8580282E+00	G2	3.4648630E-01				
(3D-,4P-)	F0	3.9123075E+00	G1	3.6238522E-01				
(3D-,4P+)	F0	3.5219005E+00	F2	9.1051515E-01	G1	2.8934915E-01	G3	2.8502933E-01
(3D-,4D-)	F0	3.6192428E+00	F2	9.8454909E-01	G0	3.1914008E-01	G2	3.9117805E-01
(3D-,4D+)	F0	3.5136776E+00	F2	9.3880070E-01	G2	3.6441408E-01	G4	2.8354549E-01
(3D-,4F-)	F0	3.6201227E+00	F2	1.0811533E+00	G1	9.1241171E-01	G3	5.3853314E-01
(3D-,4F+)	F0	3.5607134E+00	F2	1.0401865E+00	G3	5.0493362E-01	G5	3.5026065E-01
(3D-,5S+)	F0	2.0202151E+00	G2	7.8175888E-02				
(3D-,5P-)	F0	1.9736483E+00	G1	7.5226399E-02				
(3D-,5P+)	F0	1.7568642E+00	F2	2.2824036E-01	G1	6.1511243E-02	G3	6.3448683E-02
(3D-,5D-)	F0	1.6242146E+00	F2	2.0494357E-01	G0	5.5213679E-02	G2	7.2831309E-02
(3D-,5D+)	F0	1.5682176E+00	F2	1.9293173E-01	G2	6.7075655E-02	G4	5.3593197E-02
(3D-,5F-)	F0	1.0933834E+00	F2	1.0264129E-01	G1	8.1444675E-02	G3	4.9086660E-02
(3D-,5F+)	F0	1.0526745E+00	F2	9.4549239E-02	G3	4.4083425E-02	G5	3.0834269E-02

TABLE 1.– CONTINUED

BERKELIUM 5F9 Z=97

(3D-,6S+)	F0	9.2726049E-01	G2	1.4836604E-02							
(3D-,6P-)	F0	8.3277933E-01	G1	1.1846157E-02							
(3D-,6P+)	F0	6.9958074E-01	F2	3.3199423E-02	G1	8.3796957E-03	G3	8.7216441E-03			
(3D-,7S+)	F0	3.0319063E-01	G2	1.1860843E-03							
(3D+,3D+)	F0	6.8738046E+00	F2	3.5178119E+00	F4	2.2667956E+00					
(3D+,4S+)	F0	3.8279635E+00	G2	3.5792786E-01							
(3D+,4P-)	F0	3.8792695E+00	G3	3.6803770E-01							
(3D+,4P+)	F0	3.4956668E+00	F2	9.3899583E-01	G1	2.9138302E-01	G3	2.9398581E-01			
(3D+,4D-)	F0	3.5894627E+00	F2	1.0069894E+00	G2	3.7326423E-01	G4	2.9637297E-01			
(3D+,4D+)	F0	3.4862455E+00	F2	9.6016934E-01	F4	4.7072731E-01	G0	2.9803742E-01	G2	3.7527768E-01	G4 2.9500756E-01
(3D+,4F-)	F0	3.6077552E+00	F2	1.1354347E+00	F4	5.9951910E-01	G1	9.5904610E-01	G3	5.6815192E-01	G5 3.9418157E-01
(3D+,4F+)	F0	3.5493677E+00	F2	1.0938228E+00	F4	5.7179109E-01	G1	9.3799555E-01	G3	5.5581568E-01	G5 3.8566026E-01
(3D+,5S+)	F0	2.0123821E+00	G2	7.9394819E-02							
(3D+,5P-)	F0	1.9655322E+00	G3	7.9662944E-02							
(3D+,5P+)	F0	1.7504908E+00	F2	2.3592834E-01	G1	6.1443964E-02	G3	6.5047581E-02			
(3D+,5D-)	F0	1.6182067E+00	F2	2.1017849E-01	G2	6.9043907E-02	G4	5.6420958E-02			
(3D+,5D+)	F0	1.5627472E+00	F2	1.9783276E-01	F4	8.7893524E-02	G0	5.0806676E-02	G2	6.8900495E-02	G4 5.5659470E-02
(3D+,5F-)	F0	1.0921357E+00	F2	1.0764357E-01	F4	5.1170013E-02	G1	8.3931407E-02	G3	5.0888394E-02	G5 3.5639605E-02
(3D+,5F+)	F0	1.0515802E+00	F2	9.9292038E-02	F4	4.6765565E-02	G1	7.9069504E-02	G3	4.7900658E-02	G5 3.3536200E-02
(3D+,6S+)	F0	9.2572635E-01	G2	1.5023508E-02							
(3D+,6P-)	F0	8.3145709E-01	G3	1.2653011E-02							
(3D+,6P+)	F0	6.9868907E-01	F2	3.4387970E-02	G1	8.3586064E-03	G3	8.9316104E-03			
(3D+,7S+)	F0	3.0306742E-01	G2	1.2005248E-03							
(4S+,4S+)	F0	3.0509485E+00									
(4S+,4P-)	F0	3.0662263E+00	G1	2.0390917E+00							
(4S+,4P+)	F0	2.8703981E+00	G1	1.8550323E+00							
(4S+,4D-)	F0	2.9007651E+00	G2	1.4273533E+00							
(4S+,4D+)	F0	2.8457866E+00	G2	1.3896218E+00							
(4S+,4F-)	F0	2.9260881E+00	G3	1.0501669E+00							
(4S+,4F+)	F0	2.9011034E+00	G3	1.0490010E+00							
(4S+,5S+)	F0	1.8286586E+00	G0	1.1990411E-01							
(4S+,5P-)	F0	1.7842776E+00	G1	1.3546161E-01							
(4S+,5P+)	F0	1.6080869E+00	G1	1.5307972E-01							
(4S+,5D-)	F0	1.4874737E+00	G2	1.0830036E-01							
(4S+,5D+)	F0	1.4416361E+00	G2	1.1203448E-01							
(4S+,5F-)	F0	1.0345143E+00	G3	3.5380825E-02							
(4S+,5F+)	F0	9.9900674E-01	G3	3.4690408E-02							
(4S+,6S+)	F0	8.9024873E-01	G0	1.9187172E-02							
(4S+,6P-)	F0	8.0231215E-01	G1	1.8883664E-02							
(4S+,6P+)	F0	6.7895112E-01	G1	1.8590401E-02							
(4S+,7S+)	F0	3.0022366E-01	G0	1.4989295E-03							
(4P-,4P-)	F0	3.0843343E+00									
(4P-,4P+)	F0	2.8822960E+00	G2	1.3857292E+00							
(4P-,4D-)	F0	2.9140427E+00	G1	1.8640131E+00							
(4P-,4D+)	F0	2.8576100E+00	G3	1.1244159E+00							
(4P-,4F-)	F0	2.9383880E+00	G2	1.2873662E+00							
(4P-,4F+)	F0	2.9128119E+00	G4	9.0454766E-01							
(4P-,5S+)	F0	1.8323271E+00	G1	1.5801237E-01							
(4P-,5P-)	F0	1.7883989E+00	G0	1.2156299E-01							
(4P-,5P+)	F0	1.6110531E+00	G2	1.3996521E-01							
(4P-,5D-)	F0	1.4901674E+00	G1	1.2508613E-01							
(4P-,5D+)	F0	1.4440670E+00	G3	1.0499109E-01							
(4P-,5F-)	F0	1.0355567E+00	G2	4.0089672E-02							
(4P-,5F+)	F0	9.9996632E-01	G4	3.4022214E-02							
(4P-,6S+)	F0	8.9095788E-01	G1	2.6007313E-02							

TABLE 1.– CONTINUED

BERKELIUM 5F9 Z=97

(4P-,6P-)	F0	8.0297468E-01	G0	1.6534920E-02						
(4P-,6P+)	F0	6.7936462E-01	G2	1.7472845E-02						
(4P-,7S+)	F0	3.0028051E-01	G1	2.0392259E-03						
(4P+,4P+)	F0	2.7256826E+00	F2	1.4153495E+00						
(4P+,4D-)	F0	2.7465756E+00	F2	1.3981086E+00	G1	1.7198079E+00	G3	1.0974551E+00		
(4P+,4D+)	F0	2.7015842E+00	F2	1.3816262E+00	G1	1.7263646E+00	G3	1.0970982E+00		
(4P+,4F-)	F0	2.7582259E+00	F2	1.3765274E+00	G2	1.1131790E+00	G4	8.0388385E-01		
(4P+,4F+)	F0	2.7377346E+00	F2	1.3740757E+00	G2	1.1224955E+00	G4	8.0964650E-01		
(4P+,5S+)	F0	1.7921033E+00	G1	1.8002741E-01						
(4P+,5P-)	F0	1.7495115E+00	G2	1.6797118E-01						
(4P+,5P+)	F0	1.5803344E+00	F2	4.9167526E-01	G0	1.0321788E-01	G2	1.3162447E-01		
(4P+,5D-)	F0	1.4631860E+00	F2	4.1271912E-01	G1	8.8789264E-02	G3	9.1054070E-02		
(4P+,5D+)	F0	1.4188449E+00	F2	3.8791527E-01	G1	9.1206110E-02	G3	8.9492382E-02		
(4P+,5F-)	F0	1.0231398E+00	F2	1.9851062E-01	G2	2.9840916E-02	G4	2.8909384E-02		
(4P+,5F+)	F0	9.8836107E-01	F2	1.8597294E-01	G2	2.8568693E-02	G4	2.7560894E-02		
(4P+,6S+)	F0	8.8334220E-01	G1	2.7312775E-02						
(4P+,6P-)	F0	7.9682945E-01	G2	2.2926183E-02						
(4P+,6P+)	F0	6.7517552E-01	F2	7.9000143E-02	G0	1.2123952E-02	G2	1.6246091E-02		
(4P+,7S+)	F0	2.9967169E-01	G1	2.1221274E-03						
(4D-,4D-)	F0	2.7764888E+00	F2	1.4052150E+00						
(4D-,4D+)	F0	2.7286552E+00	F2	1.3824736E+00	G2	1.3706719E+00	G4	9.2634278E-01		
(4D-,4F-)	F0	2.7880863E+00	F2	1.3836305E+00	G1	1.5091414E+00	G3	1.0064754E+00		
(4D-,4F+)	F0	2.7663997E+00	F2	1.3796384E+00	G3	1.0024405E+00	G5	7.2568791E-01		
(4D-,5S+)	F0	1.7979044E+00	G2	1.9968604E-01						
(4D-,5P-)	F0	1.7552111E+00	G1	1.8017461E-01						
(4D-,5P+)	F0	1.5848510E+00	F2	4.8505779E-01	G1	1.3115778E-01	G3	1.3176516E-01		
(4D-,5D-)	F0	1.4686177E+00	F2	4.1159254E-01	G0	9.8235213E-02	G2	1.1926718E-01		
(4D-,5D+)	F0	1.4239077E+00	F2	3.8672872E-01	G2	1.1393393E-01	G4	9.5951132E-02		
(4D-,5F-)	F0	1.0253945E+00	F2	1.9715203E-01	G1	3.4580726E-02	G3	3.7647190E-02		
(4D-,5F+)	F0	9.9046399E-01	F2	1.8477227E-01	G3	3.5564542E-02	G5	3.0058807E-02		
(4D-,6S+)	F0	8.8446955E-01	G2	3.0135113E-02						
(4D-,6P-)	F0	7.9774413E-01	G1	2.2679272E-02						
(4D-,6P+)	F0	6.7579764E-01	F2	7.7880310E-02	G1	1.5589387E-02	G3	1.6312765E-02		
(4D-,7S+)	F0	2.9976207E-01	G2	2.3432759E-03						
(4D+,4D+)	F0	2.6839674E+00	F2	1.3648086E+00	F4	9.2176207E-01				
(4D+,4F-)	F0	2.7379442E+00	F2	1.3514955E+00	F4	8.7281373E-01	G1	1.4360440E+00	G3	9.6424476E-01	G5	7.0026972E-01
(4D+,4F+)	F0	2.7175712E+00	F2	1.3490581E+00	F4	8.7363167E-01	G1	1.4503008E+00	G3	9.7293620E-01	G5	7.0637817E-01
(4D+,5S+)	F0	1.7862330E+00	G2	2.1532825E-01						
(4D+,5P-)	F0	1.7440057E+00	G3	1.8966032E-01						
(4D+,5P+)	F0	1.5760362E+00	F2	4.9812391E-01	G1	1.3450540E-01	G3	1.3648277E-01		
(4D+,5D-)	F0	1.4609139E+00	F2	4.2239749E-01	G2	1.1840168E-01	G4	1.0193407E-01		
(4D+,5D+)	F0	1.4167436E+00	F2	3.9688192E-01	F4	1.9154504E-01	G0	9.2996109E-02	G2	1.1411302E-01	G4	9.7149074E-02
(4D+,5F-)	F0	1.0219717E+00	F2	2.0293456E-01	F4	8.2796244E-02	G1	3.3251760E-02	G3	3.6919579E-02	G5	3.1546751E-02
(4D+,5F+)	F0	9.8726676E-01	F2	1.9011015E-01	F4	7.7031958E-02	G1	3.1639037E-02	G3	3.5006162E-02	G5	2.9863950E-02
(4D+,6S+)	F0	8.8227644E-01	G2	3.1407018E-02						
(4D+,6P-)	F0	7.9598313E-01	G3	2.5008773E-02						
(4D+,6P+)	F0	6.7459765E-01	F2	8.0497560E-02	G1	1.5742614E-02	G3	1.6714405E-02		
(4D+,7S+)	F0	2.9958688E-01	G2	2.4340295E-03						
(4F-,4F-)	F0	2.8429095E+00	F2	1.4717657E+00	F4	9.5183181E-01				
(4F-,4F+)	F0	2.8192659E+00	F2	1.4614327E+00	F4	9.4556088E-01	G2	1.4457990E+00	G4	9.3590745E-01	G6	6.8224495E-01
(4F-,5S+)	F0	1.8002777E+00	G3	2.0296247E-01						
(4F-,5P-)	F0	1.7571231E+00	G2	1.9975802E-01						
(4F-,5P+)	F0	1.5865786E+00	F2	4.7800378E-01	G2	1.3813394E-01	G4	1.2931336E-01		
(4F-,5D-)	F0	1.4700603E+00	F2	4.0616128E-01	G1	1.1426415E-01	G3	1.2080777E-01		
(4F-,5D+)	F0	1.4253214E+00	F2	3.8128917E-01	F4	1.8472612E-01	G1	1.0470932E-01	G3	1.1095197E-01	G5	9.3237394E-02

TABLE 1.– CONTINUED

BERKELIUM 5F9 Z=97

(4F-,5F-)	F0	1.0294955E+00	F2	2.0340146E-01	F4	8.9078238E-02	G0	5.4758556E-02	G2	6.8347506E-02	G4	5.3430701E-02	
(4F-,5F+)	F0	9.9434338E-01	F2	1.9067707E-01	F4	8.3082996E-02	G2	6.3629259E-02	G4	4.9619599E-02	G6	3.8792111E-02	
(4F-,6S+)	F0	8.8499792E-01	G3	2.9406809E-02									
(4F-,6P-)	F0	7.9808958E-01	G2	2.3811002E-02									
(4F-,6P+)	F0	6.7604411E-01	F2	7.6856357E-02	G2	1.5782384E-02	G4	1.5579276E-02					
(4F-,7S+)	F0	2.9980476E-01	G3	2.2851590E-03									
(4F+,4F+)	F0	2.7963513E+00	F2	1.4520031E+00	F4	9.3999539E-01	F6	6.8524650E-01					
(4F+,5S+)	F0	1.7946121E+00	G3	2.0882633E-01									
(4F+,5P-)	F0	1.7516971E+00	G4	1.8376070E-01									
(4F+,5P+)	F0	1.5823450E+00	F2	4.8428933E-01	G2	1.4179300E-01	G4	1.3246919E-01					
(4F+,5D-)	F0	1.4663717E+00	F2	4.1155897E-01	G3	1.2219128E-01	G5	1.0251553E-01					
(4F+,5D+)	F0	1.4218894E+00	F2	3.8639049E-01	F4	1.8804235E-01	G1	1.0665208E-01	G3	1.1328818E-01	G5	9.5257631E-02	
(4F+,5F-)	F0	1.0277581E+00	F2	2.0602260E-01	F4	9.0298252E-02	G2	6.7389609E-02	G4	5.3016705E-02	G6	4.1566189E-02	
(4F+,5F+)	F0	9.9273300E-01	F2	1.9313903E-01	F4	8.4191258E-02	F6	5.2259392E-02	G0	5.1251489E-02	G2	6.4266678E-02	
(4F+,6S+)	F0	8.8394048E-01	G3	2.9851697E-02									
(4F+,6P-)	F0	7.9724212E-01	G4	2.3607130E-02									
(4F+,6P+)	F0	6.7546877E-01	F2	7.8115397E-02	G2	1.6031671E-02	G4	1.5844308E-02					
(4F+,7S+)	F0	2.9972032E-01	G3	2.3170869E-03									
(5S+,5S+)	F0	1.4898358E+00											
(5S+,5P-)	F0	1.4657847E+00	G1	1.0115335E+00									
(5S+,5P+)	F0	1.3672222E+00	G1	8.5858140E-01									
(5S+,5D-)	F0	1.2882920E+00	G2	5.7763021E-01									
(5S+,5D+)	F0	1.2575122E+00	G2	5.3096804E-01									
(5S+,5F-)	F0	9.5043410E-01	G3	2.1057049E-01									
(5S+,5F+)	F0	9.2104227E-01	G3	1.9258614E-01									
(5S+,6S+)	F0	8.3176624E-01	G0	4.2312204E-02									
(5S+,6P-)	F0	7.5600965E-01	G1	4.7328300E-02									
(5S+,6P+)	F0	6.4769108E-01	G1	4.7005071E-02									
(5S+,7S+)	F0	2.9558549E-01	G0	2.9807796E-03									
(5P-,5P-)	F0	1.4431604E+00											
(5P-,5P+)	F0	1.3496020E+00	G2	6.7219638E-01									
(5P-,5D-)	F0	1.2738099E+00	G1	7.6586813E-01									
(5P-,5D+)	F0	1.2442225E+00	G3	4.4853104E-01									
(5P-,5F-)	F0	9.4439118E-01	G2	2.7707921E-01									
(5P-,5F+)	F0	9.1549616E-01	G4	1.7353058E-01									
(5P-,6S+)	F0	8.2818593E-01	G1	5.9313149E-02									
(5P-,6P-)	F0	7.5322832E-01	G0	3.6101324E-02									
(5P-,6P+)	F0	6.4574558E-01	G2	4.0170077E-02									
(5P-,7S+)	F0	2.9530524E-01	G1	4.2110697E-03									
(5P+,5P+)	F0	1.2771137E+00	F2	6.8611754E-01									
(5P+,5D-)	F0	1.2138219E+00	F2	6.4083128E-01	G1	8.1452281E-01	G3	5.1465997E-01					
(5P+,5D+)	F0	1.1892418E+00	F2	6.2340951E-01	G1	7.8570437E-01	G3	4.9566074E-01					
(5P+,5F-)	F0	9.1925769E-01	F2	4.0569899E-01	G2	3.3750763E-01	G4	2.2982962E-01					
(5P+,5F+)	F0	8.9243631E-01	F2	3.8530532E-01	G2	3.1475013E-01	G4	2.1422507E-01					
(5P+,6S+)	F0	8.1317543E-01	G1	8.0713954E-02									
(5P+,6P-)	F0	7.4148073E-01	G2	5.7038544E-02									
(5P+,6P+)	F0	6.3768741E-01	F2	1.6990616E-01	G0	2.8000018E-02	G2	3.7971276E-02					
(5P+,7S+)	F0	2.9413289E-01	G1	5.2425207E-03									
(5D-,5D-)	F0	1.1600462E+00	F2	6.1179059E-01									
(5D-,5D+)	F0	1.1389880E+00	F2	6.0013635E-01	G2	5.9780966E-01	G4	4.0768242E-01					
(5D-,5F-)	F0	8.9450788E-01	F2	4.1343207E-01	G1	4.8613500E-01	G3	2.9972281E-01					
(5D-,5F+)	F0	8.6954864E-01	F2	3.9461414E-01	G3	2.8168644E-01	G5	2.0086737E-01					
(5D-,6S+)	F0	7.9937430E-01	G2	1.2603911E-01									
(5D-,6P-)	F0	7.3097288E-01	G1	9.2505430E-02									
(5D-,6P+)	F0	6.3067784E-01	F2	1.8771199E-01	G1	4.6772642E-02	G3	4.6410394E-02					

TABLE 1.– CONTINUED

BERKELIUM 5F9 Z=97

(5D-,7S+)	F0 2.9308347E-01	G2 7.2702174E-03						
(5D+,5D+)	F0 1.1193363E+00	F2 5.9088718E-01	F4 4.0269186E-01					
(5D+,5F-)	F0 8.8477305E-01	F2 4.1611776E-01	F4 2.6795739E-01	G1 4.9693586E-01	G3 3.0660637E-01	G5 2.1859411E-01		
(5D+,5F+)	F0 8.6054508E-01	F2 3.9793904E-01	F4 2.5455314E-01	G1 4.7024586E-01	G3 2.8975321E-01	G5 2.0649393E-01		
(5D+,6S+)	F0 7.9385267E-01	G2 1.4216772E-01						
(5D+,6P-)	F0 7.2675450E-01	G3 9.2000270E-02						
(5D+,6P+)	F0 6.2788350E-01	F2 1.9450062E-01	G1 5.2273788E-02	G3 5.0627887E-02				
(5D+,7S+)	F0 2.9266716E-01	G2 7.8643353E-03						
(5F-,5F-)	F0 7.4566232E-01	F2 3.6098512E-01	F4 2.3318149E-01					
(5F-,5F+)	F0 7.2948323E-01	F2 3.5155839E-01	F4 2.2666196E-01	G2 3.5102782E-01	G4 2.2639807E-01	G6 1.6529436E-01		
(5F-,6S+)	F0 6.9785800E-01	G3 2.1741859E-01						
(5F-,6P-)	F0 6.5068922E-01	G2 2.2420842E-01						
(5F-,6P+)	F0 5.7679513E-01	F2 2.4497581E-01	G2 1.5925943E-01	G4 1.1637609E-01				
(5F-,7S+)	F0 2.8568524E-01	G3 1.5543354E-02						
(5F+,5F+)	F0 7.1406782E-01	F2 3.4294954E-01	F4 2.2377443E-01	F6 1.6135788E-01				
(5F+,6S+)	F0 6.8514057E-01	G3 2.1794971E-01						
(5F+,6P-)	F0 6.4007746E-01	G4 1.6256742E-01						
(5F+,6P+)	F0 5.6907986E-01	F2 2.4582026E-01	G2 1.6566811E-01	G4 1.2005211E-01				
(5F+,7S+)	F0 2.8451157E-01	G3 1.7485061E-02						
(6S+,6S+)	F0 6.7390176E-01							
(6S+,6P-)	F0 6.3474029E-01	G1 4.3533517E-01						
(6S+,6P+)	F0 5.6933180E-01	G1 3.2331279E-01						
(6S+,7S+)	F0 2.8447809E-01	G0 9.1865379E-03						
(6P-,6P-)	F0 6.0261271E-01							
(6P-,6P+)	F0 5.4728731E-01	G2 2.7380371E-01						
(6P-,7S+)	F0 2.8197251E-01	G1 1.5702195E-02						
(6P+,6P+)	F0 5.0729699E-01	F2 2.7494985E-01						
(6P+,7S+)	F0 2.7736561E-01	G1 3.1848619E-02						
(7S+,7S+)	F0 2.2227203E-01							

CALIFORNIUM 5F10 Z=98

(1S+,1S+)	F0 7.7810663E+01	
(1S+,2S+)	F0 2.6516709E+01	G0 3.6785890E+00
(1S+,2P-)	F0 3.1975012E+01	G1 4.7922103E+00
(1S+,2P+)	F0 2.3996788E+01	G1 3.6386603E+00
(1S+,3S+)	F0 1.0692969E+01	G0 7.6839349E-01
(1S+,3P-)	F0 1.1826489E+01	G1 9.7912605E-01
(1S+,3P+)	F0 9.6604814E+00	G1 8.6875388E-01
(1S+,3D-)	F0 9.7045150E+00	G2 2.9982633E-02
(1S+,3D+)	F0 9.1670262E+00	G2 3.6121770E-02
(1S+,4S+)	F0 4.9054502E+00	G0 2.0750792E-01
(1S+,4P-)	F0 5.1388538E+00	G1 2.5683420E-01
(1S+,4P+)	F0 4.3432907E+00	G1 2.3310401E-01
(1S+,4D-)	F0 4.2093676E+00	G2 9.1508755E-03
(1S+,4D+)	F0 4.0191392E+00	G2 1.1116203E-02
(1S+,4F-)	F0 3.7773143E+00	G3 4.1880012E-05
(1S+,4F+)	F0 3.7056556E+00	G3 5.8425434E-05
(1S+,5S+)	F0 2.3257503E+00	G0 5.6145340E-02
(1S+,5P-)	F0 2.3106370E+00	G1 6.5783716E-02
(1S+,5P+)	F0 1.9818865E+00	G1 5.8957861E-02
(1S+,5D-)	F0 1.7713006E+00	G2 2.0388563E-03

TABLE 1.– CONTINUED

CALIFORNIUM 5F10 Z=98

(1S+,5D+)	F0	1.6946256E+00	G2	2.4487657E-03
(1S+,5F-)	F0	1.1449144E+00	G3	5.2068666E-06
(1S+,5F+)	F0	1.1016199E+00	G3	6.9316475E-06
(1S+,6S+)	F0	9.9837675E-01	G0	1.1063494E-02
(1S+,6P-)	F0	8.9878033E-01	G1	1.0771869E-02
(1S+,6P+)	F0	7.3666619E-01	G1	8.2035606E-03
(1S+,7S+)	F0	3.1093494E-01	G0	8.6857050E-04
(2S+,2S+)	F0	1.7822360E+01		
(2S+,2P-)	F0	1.9539082E+01	G1	9.4238616E+00
(2S+,2P+)	F0	1.7494247E+01	G1	9.9498543E+00
(2S+,3S+)	F0	8.8469295E+00	G0	8.7312281E-01
(2S+,3P-)	F0	9.4583667E+00	G1	7.8138106E-01
(2S+,3P+)	F0	8.3021379E+00	G1	6.7211499E-01
(2S+,3D-)	F0	9.3177613E+00	G2	1.9364472E+00
(2S+,3D+)	F0	8.8916544E+00	G2	1.7871948E+00
(2S+,4S+)	F0	4.4013010E+00	G0	2.0206933E-01
(2S+,4P-)	F0	4.5191945E+00	G1	1.8496213E-01
(2S+,4P+)	F0	3.9859905E+00	G1	1.5208969E-01
(2S+,4D-)	F0	4.1010653E+00	G2	4.3316521E-01
(2S+,4D+)	F0	3.9418470E+00	G2	4.0892788E-01
(2S+,4F-)	F0	3.7745267E+00	G3	3.0905827E-02
(2S+,4F+)	F0	3.7034999E+00	G3	2.9748475E-02
(2S+,5S+)	F0	2.1888892E+00	G0	5.2642382E-02
(2S+,5P-)	F0	2.1519429E+00	G1	4.6225262E-02
(2S+,5P+)	F0	1.8919348E+00	G1	3.6954788E-02
(2S+,5D-)	F0	1.7476186E+00	G2	9.0135705E-02
(2S+,5D+)	F0	1.6779387E+00	G2	8.4382947E-02
(2S+,5F-)	F0	1.1445753E+00	G3	3.6545931E-03
(2S+,5F+)	F0	1.1013699E+00	G3	3.3607237E-03
(2S+,6S+)	F0	9.7138507E-01	G0	1.0277134E-02
(2S+,6P-)	F0	8.7279477E-01	G1	7.5270749E-03
(2S+,6P+)	F0	7.2416238E-01	G1	5.0982423E-03
(2S+,7S+)	F0	3.0881561E-01	G0	8.0571837E-04
(2P-,2P-)	F0	2.2480212E+01		
(2P-,2P+)	F0	1.9435430E+01	G2	7.7464928E+00
(2P-,3S+)	F0	9.1729084E+00	G1	8.9301098E-01
(2P-,3P-)	F0	9.9407886E+00	G0	1.2104515E+00
(2P-,3P+)	F0	8.6693248E+00	G2	8.9707511E-01
(2P-,3D-)	F0	9.4724699E+00	G1	1.9059135E+00
(2P-,3D+)	F0	9.0068459E+00	G3	9.1169732E-01
(2P-,4S+)	F0	4.4888124E+00	G1	2.1576765E-01
(2P-,4P-)	F0	4.6423970E+00	G0	2.7277467E-01
(2P-,4P+)	F0	4.0808045E+00	G2	2.1488677E-01
(2P-,4D-)	F0	4.1434043E+00	G1	4.4687671E-01
(2P-,4D+)	F0	3.9735830E+00	G3	2.2028005E-01
(2P-,4F-)	F0	3.7758475E+00	G2	2.2647348E-02
(2P-,4F+)	F0	3.7045371E+00	G4	1.3217584E-02
(2P-,5S+)	F0	2.2125436E+00	G1	5.6773667E-02
(2P-,5P-)	F0	2.1833064E+00	G0	6.7363203E-02
(2P-,5P+)	F0	1.9156952E+00	G2	5.2868499E-02
(2P-,5D-)	F0	1.7568283E+00	G1	9.4004881E-02
(2P-,5D+)	F0	1.6847614E+00	G3	4.6027553E-02
(2P-,5F-)	F0	1.1447356E+00	G2	2.6885153E-03
(2P-,5F+)	F0	1.1014900E+00	G4	1.4994674E-03
(2P-,6S+)	F0	9.7604521E-01	G1	1.1110417E-02

TABLE 1.– CONTINUED

CALIFORNIUM 5F10 Z=98

(2P-,6P-)	F0	8.7792338E-01	G0	1.0939255E-02				
(2P-,6P+)	F0	7.2746194E-01	G2	7.3127130E-03				
(2P-,7S+)	F0	3.0918146E-01	G1	8.7135822E-04				
(2P+,2P+)	F0	1.7496305E+01	F2	8.2767659E+00				
(2P+,3S+)	F0	8.7758686E+00	G1	8.8493429E-01				
(2P+,3P-)	F0	9.4164300E+00	G2	1.0180263E+00				
(2P+,3P+)	F0	8.3043896E+00	F2	2.1086145E+00	G0	8.5923362E-01	G2	9.2663421E-01
(2P+,3D-)	F0	9.2949224E+00	F2	2.9386821E+00	G1	2.5629373E+00	G3	1.4735602E+00
(2P+,3D+)	F0	8.8706726E+00	F2	2.6532454E+00	G1	2.4746616E+00	G3	1.4242545E+00
(2P+,4S+)	F0	4.3817230E+00	G1	2.0483087E-01				
(2P+,4P-)	F0	4.5071107E+00	G2	2.3367186E-01				
(2P+,4P+)	F0	3.9862881E+00	F2	5.4009058E-01	G0	1.8902762E-01	G2	2.2024057E-01
(2P+,4D-)	F0	4.0964533E+00	F2	6.5181918E-01	G1	5.3751874E-01	G3	3.1987989E-01
(2P+,4D+)	F0	3.9373508E+00	F2	5.9266982E-01	G1	5.3662151E-01	G3	3.1851612E-01
(2P+,4F-)	F0	3.7738362E+00	F2	3.0129652E-01	G2	4.5825154E-02	G4	2.9597068E-02
(2P+,4F+)	F0	3.7029059E+00	F2	2.8290429E-01	G2	4.5161595E-02	G4	2.9159855E-02
(2P+,5S+)	F0	2.1835615E+00	G1	5.3386745E-02				
(2P+,5P-)	F0	2.1487773E+00	G2	5.8020111E-02				
(2P+,5P+)	F0	1.8919892E+00	F2	1.3459379E-01	G0	4.5578204E-02	G2	5.4080363E-02
(2P+,5D-)	F0	1.7466847E+00	F2	1.3571774E-01	G1	1.1053269E-01	G3	6.6291946E-02
(2P+,5D+)	F0	1.6770265E+00	F2	1.2202814E-01	G1	1.0966536E-01	G3	6.5543727E-02
(2P+,5F-)	F0	1.1444938E+00	F2	3.1031970E-02	G2	5.3468001E-03	G4	3.4603342E-03
(2P+,5F+)	F0	1.1013029E+00	F2	2.7844207E-02	G2	5.0398444E-03	G4	3.2604063E-03
(2P+,6S+)	F0	9.7033372E-01	G1	1.0423747E-02				
(2P+,6P-)	F0	8.7227376E-01	G2	9.4340263E-03				
(2P+,6P+)	F0	7.2416932E-01	F2	1.8876207E-02	G0	6.2772498E-03	G2	7.4771964E-03
(2P+,7S+)	F0	3.0873306E-01	G1	8.1722771E-04				
(3S+,3S+)	F0	6.7289313E+00						
(3S+,3P-)	F0	6.9495090E+00	G1	4.2369160E+00				
(3S+,3P+)	F0	6.4477427E+00	G1	4.1168011E+00				
(3S+,3D-)	F0	6.9178569E+00	G2	2.8363636E+00				
(3S+,3D+)	F0	6.7789274E+00	G2	2.8828677E+00				
(3S+,4S+)	F0	3.8819775E+00	G0	3.0333931E-01				
(3S+,4P-)	F0	3.9348181E+00	G1	3.0757412E-01				
(3S+,4P+)	F0	3.5371652E+00	G1	3.3895412E-01				
(3S+,4D-)	F0	3.6126198E+00	G2	2.1551522E-01				
(3S+,4D+)	F0	3.5061753E+00	G2	2.0577357E-01				
(3S+,4F-)	F0	3.6657659E+00	G3	6.3337392E-01				
(3S+,4F+)	F0	3.6062778E+00	G3	6.0798096E-01				
(3S+,5S+)	F0	2.0505138E+00	G0	6.6443041E-02				
(3S+,5P-)	F0	2.0050246E+00	G1	6.6295880E-02				
(3S+,5P+)	F0	1.7806393E+00	G1	7.1394038E-02				
(3S+,5D-)	F0	1.6465906E+00	G2	4.2774851E-02				
(3S+,5D+)	F0	1.5888508E+00	G2	3.9289614E-02				
(3S+,5F-)	F0	1.1324482E+00	G3	6.0628482E-02				
(3S+,5F+)	F0	1.0910087E+00	G3	5.5965041E-02				
(3S+,6S+)	F0	9.4421313E-01	G0	1.2483435E-02				
(3S+,6P-)	F0	8.4883209E-01	G1	1.0466623E-02				
(3S+,6P+)	F0	7.0873961E-01	G1	9.5752827E-03				
(3S+,7S+)	F0	3.0668350E-01	G0	9.7324376E-04				
(3P-,3P-)	F0	7.2302112E+00						
(3P-,3P+)	F0	6.6471303E+00	G2	2.9980021E+00				
(3P-,3D-)	F0	7.1808305E+00	G1	4.0321791E+00				
(3P-,3D+)	F0	7.0199456E+00	G3	2.5391949E+00				
(3P-,4S+)	F0	3.9315674E+00	G1	3.7003573E-01				

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TABLE 1.– CONTINUED

(3P-,4P-)	F0	3.9945907E+00	G0	3.4833820E-01				
(3P-,4P+)	F0	3.5827568E+00	G2	3.4325485E-01				
(3P-,4D-)	F0	3.6586673E+00	G1	2.3391912E-01				
(3P-,4D+)	F0	3.5492235E+00	G3	2.3478019E-01				
(3P-,4F-)	F0	3.6836728E+00	G2	7.0870413E-01				
(3P-,4F+)	F0	3.6225191E+00	G4	4.4192940E-01				
(3P-,5S+)	F0	2.0635602E+00	G1	8.4097393E-02				
(3P-,5P-)	F0	2.0198605E+00	G0	7.3515177E-02				
(3P-,5P+)	F0	1.7918472E+00	G2	7.5837766E-02				
(3P-,5D-)	F0	1.6559078E+00	G1	4.2854238E-02				
(3P-,5D+)	F0	1.5974567E+00	G3	4.4070203E-02				
(3P-,5F-)	F0	1.1344099E+00	G2	6.8473764E-02				
(3P-,5F+)	F0	1.0927117E+00	G4	4.1458300E-02				
(3P-,6S+)	F0	9.4676765E-01	G1	1.5921848E-02				
(3P-,6P-)	F0	8.5124536E-01	G0	1.1560643E-02				
(3P-,6P+)	F0	7.1029012E-01	G2	1.0267661E-02				
(3P-,7S+)	F0	3.0688386E-01	G1	1.2426776E-03				
(3P+,3P+)	F0	6.2146611E+00	F2	3.0664537E+00				
(3P+,3D-)	F0	6.6084952E+00	F2	3.0718788E+00	G1	3.1768634E+00	G3	2.1149935E+00
(3P+,3D+)	F0	6.4859595E+00	F2	3.0872686E+00	G1	3.2875720E+00	G3	2.1889840E+00
(3P+,4S+)	F0	3.8238604E+00	G1	3.8428622E-01				
(3P+,4P-)	F0	3.8759503E+00	G2	3.9890016E-01				
(3P+,4P+)	F0	3.4911147E+00	F2	1.0297289E+00	G0	2.8325226E-01	G2	3.2578749E-01
(3P+,4D-)	F0	3.5626610E+00	F2	1.0512391E+00	G1	2.6082322E-01	G3	2.5951828E-01
(3P+,4D+)	F0	3.4586857E+00	F2	9.9455425E-01	G1	2.2701100E-01	G3	2.3811943E-01
(3P+,4F-)	F0	3.6293698E+00	F2	1.3181584E+00	G2	9.2259463E-01	G4	6.1395686E-01
(3P+,4F+)	F0	3.5725462E+00	F2	1.2750304E+00	G2	8.9463726E-01	G4	5.9595007E-01
(3P+,5S+)	F0	2.0354041E+00	G1	8.2256436E-02				
(3P+,5P-)	F0	1.9905604E+00	G2	8.4435182E-02				
(3P+,5P+)	F0	1.7695096E+00	F2	2.6293526E-01	G0	5.8268505E-02	G2	7.1119776E-02
(3P+,5D-)	F0	1.6364678E+00	F2	2.2506764E-01	G1	5.1328232E-02	G3	5.1186266E-02
(3P+,5D+)	F0	1.5793663E+00	F2	2.1001207E-01	G1	4.4301218E-02	G3	4.6333677E-02
(3P+,5F-)	F0	1.1287027E+00	F2	1.2913948E-01	G2	8.2609631E-02	G4	5.5932440E-02
(3P+,5F+)	F0	1.0876799E+00	F2	1.1980038E-01	G2	7.7241136E-02	G4	5.2316260E-02
(3P+,6S+)	F0	9.4126224E-01	G1	1.5401658E-02				
(3P+,6P-)	F0	8.4648397E-01	G2	1.3295048E-02				
(3P+,6P+)	F0	7.0720499E-01	F2	3.8170427E-02	G0	7.7833152E-03	G2	9.6064293E-03
(3P+,7S+)	F0	3.0645213E-01	G1	1.2002021E-03				
(3D-,3D-)	F0	7.2818117E+00	F2	3.6730778E+00				
(3D-,3D+)	F0	7.1133447E+00	F2	3.6091337E+00	G2	3.4872613E+00	G4	2.2455816E+00
(3D-,4S+)	F0	3.9223256E+00	G2	3.5380613E-01				
(3D-,4P-)	F0	3.9798373E+00	G1	3.7058738E-01				
(3D-,4P+)	F0	3.5739744E+00	F2	9.2502047E-01	G1	2.9407772E-01	G3	2.8965505E-01
(3D-,4D-)	F0	3.6766972E+00	F2	1.0024196E+00	G0	3.2539016E-01	G2	3.9877169E-01
(3D-,4D+)	F0	3.5676398E+00	F2	9.5519712E-01	G2	3.7100484E-01	G4	2.8866720E-01
(3D-,4F-)	F0	3.6831160E+00	F2	1.1044637E+00	G1	9.3442801E-01	G3	5.5158702E-01
(3D-,4F+)	F0	3.6216280E+00	F2	1.0619216E+00	G3	5.1656571E-01	G5	3.5835868E-01

TABLE 1.– CONTINUED

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(3D-,6P-)	F0	8.5061134E-01	G1	1.2183354E-02								
(3D-,5P+)	F0	7.0998244E-01	F2	3.3679726E-02	G1	8.4891337E-03	G3	8.8383560E-03				
(3D-,7S+)	F0	3.0684414E-01	G2	1.1899441E-03								
(3D+,3D+)	F0	6.9596848E+00	F2	3.5621852E+00	F4	2.2954968E+00						
(3D+,4S+)	F0	3.8908835E+00	G2	3.6589092E-01								
(3D+,4P-)	F0	3.9452453E+00	G3	3.7656837E-01								
(3D+,4P+)	F0	3.5466462E+00	F2	9.5452325E-01	G1	2.9618040E-01	G3	2.9895857E-01				
(3D+,4D-)	F0	3.6456166E+00	F2	1.0256703E+00	G2	3.8010381E-01	G4	3.0192215E-01				
(3D+,4D+)	F0	3.5390529E+00	F2	9.7732307E-01	F4	4.7959805E-01	G0	3.0347538E-01	G2	3.8232328E-01	G4	3.0060962E-01
(3D+,4F-)	F0	3.6701369E+00	F2	1.1610159E+00	F4	6.1423112E-01	G1	9.8293187E-01	G3	5.8242440E-01	G5	4.0411945E-01
(3D+,4F+)	F0	3.6097410E+00	F2	1.1178061E+00	F4	5.8538597E-01	G1	9.6133281E-01	G3	5.6976812E-01	G5	3.9537747E-01
(3D+,5S+)	F0	2.0527448E+00	G2	8.1678952E-02								
(3D+,5P-)	F0	2.0074202E+00	G3	8.2163150E-02								
(3D+,5P+)	F0	1.7829310E+00	F2	2.4197411E-01	G1	6.2989253E-02	G3	6.6738421E-02				
(3D+,5D-)	F0	1.6530781E+00	F2	2.1687098E-01	G2	7.1207816E-02	G4	5.8232314E-02				
(3D+,5D+)	F0	1.5953097E+00	F2	2.0389999E-01	F4	9.0721454E-02	G0	5.2330966E-02	G2	7.1061629E-02	G4	5.7434956E-02
(3D+,5F-)	F0	1.1331072E+00	F2	1.1476045E-01	F4	5.4718147E-02	G1	8.9697830E-02	G3	5.4427942E-02	G5	3.8131114E-02
(3D+,5F+)	F0	1.0915279E+00	F2	1.0590584E-01	F4	5.0026073E-02	G1	8.4613091E-02	G3	5.1297885E-02	G5	3.5926003E-02
(3D+,6S+)	F0	9.4464429E-01	G2	1.5438881E-02								
(3D+,6P-)	F0	8.4921474E-01	G3	1.3023081E-02								
(3D+,6P+)	F0	7.0905536E-01	F2	3.4911021E-02	G1	8.4666309E-03	G3	9.0554968E-03				
(3D+,7S+)	F0	3.0671725E-01	G2	1.2047579E-03								
(4S+,4S+)	F0	3.1031002E+00										
(4S+,4P-)	F0	3.1197705E+00	G1	2.0728756E+00								
(4S+,4P+)	F0	2.9155762E+00	G1	1.8786583E+00								
(4S+,4D-)	F0	2.9487243E+00	G2	1.4498883E+00								
(4S+,4D+)	F0	2.8917265E+00	G2	1.4101925E+00								
(4S+,4F-)	F0	2.9778845E+00	G3	1.0692167E+00								
(4S+,4F+)	F0	2.9520481E+00	G3	1.0681440E+00								
(4S+,5S+)	F0	1.8648365E+00	G0	1.2290463E-01								
(4S+,5P-)	F0	1.8215353E+00	G1	1.3877471E-01								
(4S+,5P+)	F0	1.6377101E+00	G1	1.5722098E-01								
(4S+,5D-)	F0	1.5188879E+00	G2	1.1153086E-01								
(4S+,5D+)	F0	1.4711919E+00	G2	1.1540297E-01								
(4S+,5F-)	F0	1.0719846E+00	G3	3.7309193E-02								
(4S+,5F+)	F0	1.0357522E+00	G3	3.6625177E-02								
(4S+,6S+)	F0	9.0837701E-01	G0	1.9633332E-02								
(4S+,6P-)	F0	8.1937290E-01	G1	1.9290046E-02								
(4S+,6P+)	F0	6.8915936E-01	G1	1.8864008E-02								
(4S+,7S+)	F0	3.0387827E-01	G0	1.4979643E-03								
(4P-,4P-)	F0	3.1394298E+00										
(4P-,4P+)	F0	2.9284818E+00	G2	1.4016559E+00								
(4P-,4D-)	F0	2.9631420E+00	G1	1.8932472E+00								
(4P-,4D+)	F0	2.9045679E+00	G3	1.1403164E+00								
(4P-,4F-)	F0	2.9914114E+00	G2	1.3112888E+00								
(4P-,4F+)	F0	2.9649291E+00	G4	9.2146686E-01								
(4P-,5S+)	F0	1.8688439E+00	G1	1.6176160E-01								
(4P-,5P-)	F0	1.8260211E+00	G0	1.2490137E-01								
(4P-,5P+)	F0	1.6409247E+00	G2	1.4329886E-01								
(4P-,5D-)	F0	1.5218239E+00	G1	1.2911387E-01								
(4P-,5D+)	F0	1.4738390E+00	G3	1.0810080E-01								
(4P-,5F-)	F0	1.0731670E+00	G2	4.2300164E-02								
(4P-,5F+)	F0	1.0368419E+00	G4	3.6032792E-02								
(4P-,6S+)	F0	9.0913064E-01	G1	2.6585835E-02								
(4P-,6P-)	F0	8.2009246E-01	G0	1.6941278E-02								

TABLE 1.– CONTINUED

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(4P-,6P+)	F0	6.8960199E-01	G2	1.7674548E-02						
(4P-,7S+)	F0	3.0393883E-01	G1	2.0359005E-03						
(4P+,4P+)	F0	2.7660026E+00	F2	1.4357771E+00						
(4P+,4D-)	F0	2.7889241E+00	F2	1.4190142E+00	G1	1.7439573E+00	G3	1.1133095E+00		
(4P+,4D+)	F0	2.7424815E+00	F2	1.4021558E+00	G1	1.7513586E+00	G3	1.1133070E+00		
(4P+,4F-)	F0	2.8033738E+00	F2	1.3984492E+00	G2	1.1280157E+00	G4	8.1541927E-01		
(4P+,4F+)	F0	2.7822844E+00	F2	1.3961398E+00	G2	1.1379942E+00	G4	8.2163170E-01		
(4P+,5S+)	F0	1.8265313E+00	G1	1.8533286E-01						
(4P+,5P-)	F0	1.7850012E+00	G2	1.7335897E-01						
(4P+,5P+)	F0	1.6087137E+00	F2	5.0211267E-01	G0	1.0555659E-01	G2	1.3451074E-01		
(4P+,5D-)	F0	1.4933514E+00	F2	4.2382113E-01	G1	9.0906826E-02	G3	9.3480390E-02		
(4P+,5D+)	F0	1.4472649E+00	F2	3.9791693E-01	G1	9.3313627E-02	G3	9.1774701E-02		
(4P+,5F-)	F0	1.0596555E+00	F2	2.1015555E-01	G2	3.1554586E-02	G4	3.0645328E-02		
(4P+,5F+)	F0	1.0242060E+00	F2	1.9702906E-01	G2	3.0155377E-02	G4	2.9191953E-02		
(4P+,6S+)	F0	9.0114446E-01	G1	2.7988990E-02						
(4P+,6P-)	F0	8.1362132E-01	G2	2.3543817E-02						
(4P+,6P+)	F0	6.8526024E-01	F2	8.0055174E-02	G0	1.2244410E-02	G2	1.6397574E-02		
(4P+,7S+)	F0	3.0331377E-01	G1	2.1233431E-03						
(4D-,4D-)	F0	2.8212644E+00	F2	1.4275118E+00						
(4D-,4D+)	F0	2.7717669E+00	F2	1.4039748E+00	G2	1.3917850E+00	G4	9.4069135E-01		
(4D-,4F-)	F0	2.8358408E+00	F2	1.4072523E+00	G1	1.5316728E+00	G3	1.0227403E+00		
(4D-,4F+)	F0	2.8134622E+00	F2	1.4032861E+00	G3	1.0186891E+00	G5	7.3781041E-01		
(4D-,5S+)	F0	1.8329463E+00	G2	2.0464856E-01						
(4D-,5P-)	F0	1.7913029E+00	G1	1.8535505E-01						
(4D-,5P+)	F0	1.6136807E+00	F2	4.9484151E-01	G1	1.3381910E-01	G3	1.3444253E-01		
(4D-,5D-)	F0	1.4992570E+00	F2	4.2226298E-01	G0	1.0092834E-01	G2	1.2250645E-01		
(4D-,5D+)	F0	1.4527634E+00	F2	3.9632565E-01	G2	1.1690111E-01	G4	9.8484844E-02		
(4D-,5F-)	F0	1.0621873E+00	F2	2.0844539E-01	G1	3.6409332E-02	G3	3.9848297E-02		
(4D-,5F+)	F0	1.0265696E+00	F2	1.9551010E-01	G3	3.7635931E-02	G5	3.1877490E-02		
(4D-,6S+)	F0	9.0238742E-01	G2	3.0800918E-02						
(4D-,6P-)	F0	8.1462953E-01	G1	2.3216904E-02						
(4D-,6P+)	F0	6.8593583E-01	F2	7.8814596E-02	G1	1.5717123E-02	G3	1.6447234E-02		
(4D-,7S+)	F0	3.0341106E-01	G2	2.3390067E-03						
(4D+,4D+)	F0	2.7255882E+00	F2	1.3858023E+00	F4	9.3614015E-01				
(4D+,4F-)	F0	2.7838204E+00	F2	1.3737566E+00	F4	8.8709631E-01	G1	1.4552081E+00	G3	9.7853115E-01	G5	7.1106775E-01
(4D+,4F+)	F0	2.7628250E+00	F2	1.3714241E+00	F4	8.8811640E-01	G1	1.4703610E+00	G3	9.8781640E-01	G5	7.1760722E-01
(4D+,5S+)	F0	1.8207425E+00	G2	2.2104135E-01						
(4D+,5P-)	F0	1.7795532E+00	G3	1.9528302E-01						
(4D+,5P+)	F0	1.6044905E+00	F2	5.0835980E-01	G1	1.3721827E-01	G3	1.3929880E-01		
(4D+,5D-)	F0	1.4911734E+00	F2	4.3348392E-01	G2	1.2158329E-01	G4	1.0475272E-01		
(4D+,5D+)	F0	1.4452586E+00	F2	4.0686425E-01	F4	1.9679101E-01	G0	9.5408954E-02	G2	1.1708194E-01	G4	9.9732487E-02
(4D+,5F-)	F0	1.0584846E+00	F2	2.1463990E-01	F4	8.8212043E-02	G1	3.5170759E-02	G3	3.9161667E-02	G5	3.3516182E-02
(4D+,5F+)	F0	1.0231089E+00	F2	2.0123121E-01	F4	8.2112311E-02	G1	3.3401622E-02	G3	3.7116476E-02	G5	3.1724248E-02
(4D+,6S+)	F0	9.0009578E-01	G2	3.2124482E-02						
(4D+,6P-)	F0	8.1278631E-01	G3	2.5629301E-02						
(4D+,6P+)	F0	6.8469923E-01	F2	8.1514204E-02	G1	1.5867509E-02	G3	1.6855345E-02		
(4D+,7S+)	F0	3.0323229E-01	G2	2.4312476E-03						
(4F-,4F-)	F0	2.8951865E+00	F2	1.5005953E+00	F4	9.7092630E-01				
(4F-,4F+)	F0	2.8707053E+00	F2	1.4899275E+00	F4	9.6446229E-01	G2	1.4734624E+00	G4	9.5429072E-01	G6	6.9580120E-01
(4F-,5S+)	F0	1.8361518E+00	G3	2.0671122E-01						
(4F-,5P-)	F0	1.7939873E+00	G2	2.0396433E-01						
(4F-,5P+)	F0	1.6160009E+00	F2	4.8683047E-01	G2	1.3993140E-01	G4	1.3125987E-01		
(4F-,5D-)	F0	1.5012054E+00	F2	4.1591150E-01	G1	1.1664070E-01	G3	1.2355881E-01		
(4F-,5D+)	F0	1.4546507E+00	F2	3.9000058E-01	F4	1.8907549E-01	G1	1.0677387E-01	G3	1.1332051E-01	G5	9.5319203E-02
(4F-,5F-)	F0	1.0667834E+00	F2	2.1467310E-01	F4	9.4528226E-02	G0	5.7791103E-02	G2	7.2405914E-02	G4	5.6689104E-02

TABLE 1.– CONTINUED

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(4F-,5F+)	F0 1.0309200E+00	F2 2.0141042E-01	F4 8.8238007E-02	G2 6.7434638E-02	G4 5.2666665E-02	G6 4.1204537E-02
(4F-,6S+)	F0 9.0306869E-01	G3 2.9970606E-02				
(4F-,6P-)	F0 8.1509343E-01	G2 2.4285522E-02				
(4F-,6P+)	F0 6.8625792E-01	F2 7.7593082E-02	G2 1.5845673E-02	G4 1.5659673E-02		
(4F-,7S+)	F0 3.0346465E-01	G3 2.2751500E-03				
(4F+,4F+)	F0 2.8469953E+00	F2 1.4802176E+00	F4 9.5874696E-01	F6 6.9907497E-01		
(4F+,5S+)	F0 1.8302508E+00	G3 2.1275518E-01				
(4F+,5P-)	F0 1.7883186E+00	G4 1.8791155E-01				
(4F+,5P+)	F0 1.6116024E+00	F2 4.9332777E-01	G2 1.4364503E-01	G4 1.3448451E-01		
(4F+,5D-)	F0 1.4973457E+00	F2 4.2150624E-01	G3 1.2494161E-01	G5 1.0493507E-01		
(4F+,5D+)	F0 1.4510649E+00	F2 3.9528332E-01	F4 1.9250817E-01	G1 1.0873476E-01	G3 1.1572050E-01	G5 9.7404210E-02
(4F+,5F-)	F0 1.0649048E+00	F2 2.1745226E-01	F4 9.5832232E-02	G2 7.1351705E-02	G4 5.6227881E-02	G6 4.4118771E-02
(4F+,5F+)	F0 1.0291781E+00	F2 2.0402378E-01	F4 8.9423428E-02	F6 5.5591075E-02	G0 5.4115841E-02	G2 6.8129913E-02
(4F+,6S+)	F0 9.0196728E-01	G3 3.0428196E-02				
(4F+,6P-)	F0 8.1420914E-01	G4 2.4104623E-02				
(4F+,6P+)	F0 6.8566683E-01	F2 7.8886473E-02	G2 1.6097179E-02	G4 1.5928822E-02		
(4F+,7S+)	F0 3.0337875E-01	G3 2.3072356E-03				
(5S+,5S+)	F0 1.5197751E+00					
(5S+,5P-)	F0 1.4962009E+00	G1 1.0320447E+00				
(5S+,5P+)	F0 1.3931979E+00	G1 8.7131485E-01				
(5S+,5D-)	F0 1.3152036E+00	G2 5.8930300E-01				
(5S+,5D+)	F0 1.2831782E+00	G2 5.4062537E-01				
(5S+,5F-)	F0 9.8295102E-01	G3 2.2272432E-01				
(5S+,5F+)	F0 9.5315559E-01	G3 2.0391939E-01				
(5S+,6S+)	F0 8.4881519E-01	G0 4.3137707E-02				
(5S+,6P-)	F0 7.7213990E-01	G1 4.8085373E-02				
(5S+,6P+)	F0 6.5776416E-01	G1 4.7430492E-02				
(5S+,7S+)	F0 2.9926448E-01	G0 2.9710676E-03				
(5P-,5P-)	F0 1.4739858E+00					
(5P-,5P+)	F0 1.3759875E+00	G2 6.8206197E-01				
(5P-,5D-)	F0 1.3009664E+00	G1 7.8042923E-01				
(5P-,5D+)	F0 1.2701321E+00	G3 4.5619672E-01				
(5P-,5F-)	F0 9.7678209E-01	G2 2.9193695E-01				
(5P-,5F+)	F0 9.4748957E-01	G4 1.8308840E-01				
(5P-,6S+)	F0 8.4530793E-01	G1 6.0350131E-02				
(5P-,6P-)	F0 7.6941435E-01	G0 3.6814227E-02				
(5P-,6P+)	F0 6.5588441E-01	G2 4.0482441E-02				
(5P-,7S+)	F0 2.9899633E-01	G1 4.1901693E-03				
(5P+,5P+)	F0 1.3005271E+00	F2 6.9835761E-01				
(5P+,5D-)	F0 1.2381035E+00	F2 6.5361838E-01	G1 8.3104135E-01	G3 5.2522818E-01		
(5P+,5D+)	F0 1.2126100E+00	F2 6.3566651E-01	G1 8.0157344E-01	G3 5.0575111E-01		
(5P+,5F-)	F0 9.4945265E-01	F2 4.2337122E-01	G2 3.5537057E-01	G4 2.4215281E-01		
(5P+,5F+)	F0 9.2239682E-01	F2 4.0262364E-01	G2 3.3198375E-01	G4 2.2609087E-01		
(5P+,6S+)	F0 8.2961102E-01	G1 8.2999093E-02				
(5P+,6P-)	F0 7.5711385E-01	G2 5.8664848E-02				
(5P+,6P+)	F0 6.4757820E-01	F2 1.7197200E-01	G0 2.8218176E-02	G2 3.8221844E-02		
(5P+,7S+)	F0 2.9779881E-01	G1 5.2608148E-03				
(5D-,5D-)	F0 1.1848033E+00	F2 6.2452950E-01				
(5D-,5D+)	F0 1.1628540E+00	F2 6.1237997E-01	G2 6.0989111E-01	G4 4.1604582E-01		
(5D-,5F-)	F0 9.2406471E-01	F2 4.3007060E-01	G1 5.0814235E-01	G3 3.1357655E-01		
(5D-,5F+)	F0 8.9889505E-01	F2 4.1101289E-01	G3 2.9513785E-01	G5 2.1057220E-01		
(5D-,6S+)	F0 8.1594188E-01	G2 1.2820547E-01				
(5D-,6P-)	F0 7.4669024E-01	G1 9.4551357E-02				
(5D-,6P+)	F0 6.4073984E-01	F2 1.8952028E-01	G1 4.6763519E-02	G3 4.6458569E-02		
(5D-,7S+)	F0 2.9678376E-01	G2 7.2424347E-03				

TABLE 1.– CONTINUED

CALIFORNIUM 5F10 Z=98

(5D+,5D+)	F0	1.1423996E+00	F2	6.0278716E-01	F4	4.1091130E-01					
(5D+,5F-)	F0	9.1358066E-01	F2	4.3255475E-01	F4	2.7941318E-01	G1	5.1880810E-01	G3	3.2043090E-01	G5 2.2858462E-01
(5D+,5F+)	F0	8.8918984E-01	F2	4.1421133E-01	F4	2.6583241E-01	G1	4.9182128E-01	G3	3.0333719E-01	G5 2.1629492E-01
(5D+,6S+)	F0	8.1019692E-01	G2	1.4503771E-01							
(5D+,6P-)	F0	7.4229260E-01	G3	9.4213118E-02							
(5D+,6P+)	F0	6.3787385E-01	F2	1.9655417E-01	G1	5.2343681E-02	G3	5.0759179E-02			
(5D+,7S+)	F0	2.9636055E-01	G2	7.8515544E-03							
(5F-,5F-)	F0	7.7493105E-01	F2	3.7616850E-01	F4	2.4340355E-01					
(5F-,5F+)	F0	7.5847313E-01	F2	3.6659758E-01	F4	2.3676849E-01	G2	3.6601325E-01	G4	2.3647541E-01	G6 1.7280883E-01
(5F-,6S+)	F0	7.1746469E-01	G3	2.2097709E-01							
(5F-,6P-)	F0	6.6881052E-01	G2	2.2682158E-01							
(5F-,6P+)	F0	5.8941950E-01	F2	2.4740669E-01	G2	1.5755530E-01	G4	1.1555028E-01			
(5F-,7S+)	F0	2.8981909E-01	G3	1.4851013E-02							
(5F+,5F+)	F0	7.4279118E-01	F2	3.5787019E-01	F4	2.3078972E-01	F6	1.6851819E-01			
(5F+,6S+)	F0	7.0493295E-01	G3	2.2219920E-01							
(5F+,6P-)	F0	6.5838644E-01	G4	1.6534135E-01							
(5F+,6P+)	F0	5.8199379E-01	F2	2.4876636E-01	G2	1.6460135E-01	G4	1.1966580E-01			
(5F+,7S+)	F0	2.8873069E-01	G3	1.6678330E-02							
(6S+,6S+)	F0	6.8770965E-01									
(6S+,6P-)	F0	6.4808488E-01	G1	4.4473479E-01							
(6S+,6P+)	F0	5.7892261E-01	G1	3.2657731E-01							
(6S+,7S+)	F0	2.8819018E-01	G0	9.1918792E-03							
(6P-,6P-)	F0	6.1550712E-01									
(6P-,6P+)	F0	5.5687078E-01	G2	2.7711938E-01							
(6P-,7S+)	F0	2.8571080E-01	G1	1.5684734E-02							
(6P+,6P+)	F0	5.1494061E-01	F2	2.7897845E-01							
(6P+,7S+)	F0	2.8092709E-01	G1	3.2686439E-02							
(7S+,7S+)	F0	2.2490182E-01									

TABLE 1.– CONTINUED

EINSTEINIUM 5F11 Z=99

(1S+,1S+)	F0	7.9155199E+01		
(1S+,2S+)	F0	2.7019794E+01	G0	3.7811707E+00
(1S+,2P-)	F0	3.2633160E+01	G1	4.8514587E+00
(1S+,2P+)	F0	2.4287702E+01	G1	3.6562082E+00
(1S+,3S+)	F0	1.0888567E+01	G0	7.9077827E-01
(1S+,3P-)	F0	1.2057015E+01	G1	9.9214757E-01
(1S+,3P+)	F0	9.7908522E+00	G1	8.7737868E-01
(1S+,3D-)	F0	9.8363127E+00	G2	2.9815109E-02
(1S+,3D+)	F0	9.2796045E+00	G2	3.6177561E-02
(1S+,4S+)	F0	4.9982567E+00	G0	2.1429920E-01
(1S+,4P-)	F0	5.2424731E+00	G1	2.6127540E-01
(1S+,4P+)	F0	4.4109867E+00	G1	2.3672427E-01
(1S+,4D-)	F0	4.2784667E+00	G2	9.1702989E-03
(1S+,4D+)	F0	4.0813162E+00	G2	1.1225838E-02
(1S+,4F-)	F0	3.8425755E+00	G3	4.2142215E-05
(1S+,4F+)	F0	3.7683139E+00	G3	5.9456835E-05
(1S+,5S+)	F0	2.3766207E+00	G0	5.8476369E-02
(1S+,5P-)	F0	2.3652674E+00	G1	6.7587838E-02
(1S+,5P+)	F0	2.0201667E+00	G1	6.0432813E-02
(1S+,5D-)	F0	1.8101731E+00	G2	2.0716794E-03
(1S+,5D+)	F0	1.7300255E+00	G2	2.5060772E-03
(1S+,5F-)	F0	1.1851707E+00	G3	5.4730951E-06
(1S+,5F+)	F0	1.1403963E+00	G3	7.3716435E-06
(1S+,6S+)	F0	1.0192696E+00	G0	1.1515246E-02
(1S+,6P-)	F0	9.1848992E-01	G1	1.1049129E-02
(1S+,6P+)	F0	7.4716072E-01	G1	8.3068982E-03
(1S+,7S+)	F0	3.1475210E-01	G0	8.8254688E-04
(2S+,2S+)	F0	1.8131247E+01		
(2S+,2P-)	F0	1.9892406E+01	G1	9.5517906E+00
(2S+,2P+)	F0	1.7745564E+01	G1	1.0092677E+01
(2S+,3S+)	F0	8.9968150E+00	G0	8.9353721E-01
(2S+,3P-)	F0	9.6251355E+00	G1	7.9614196E-01
(2S+,3P+)	F0	8.4170490E+00	G1	6.8574097E-01
(2S+,3D-)	F0	9.4461595E+00	G2	1.9478481E+00
(2S+,3D+)	F0	9.0041176E+00	G2	1.7946812E+00
(2S+,4S+)	F0	4.4796848E+00	G0	2.0759550E-01
(2S+,4P-)	F0	4.6034320E+00	G1	1.8924778E-01
(2S+,4P+)	F0	4.0476545E+00	G1	1.5571624E-01
(2S+,4D-)	F0	4.1683317E+00	G2	4.3940586E-01
(2S+,4D+)	F0	4.0033357E+00	G2	4.1443616E-01
(2S+,4F-)	F0	3.8397395E+00	G3	3.1296764E-02
(2S+,4F+)	F0	3.7661340E+00	G3	3.0121941E-02
(2S+,5S+)	F0	2.2346334E+00	G0	5.4536558E-02
(2S+,5P-)	F0	2.1999663E+00	G1	4.7762801E-02
(2S+,5P+)	F0	1.9278476E+00	G1	3.8158796E-02
(2S+,5D-)	F0	1.7857575E+00	G2	9.2658980E-02
(2S+,5D+)	F0	1.7129672E+00	G2	8.6624159E-02
(2S+,5F-)	F0	1.1848104E+00	G3	3.8622604E-03
(2S+,5F+)	F0	1.1401322E+00	G3	3.5529477E-03
(2S+,6S+)	F0	9.9128458E-01	G0	1.0639011E-02
(2S+,6P-)	F0	8.9146640E-01	G1	7.7641759E-03
(2S+,6P+)	F0	7.3448355E-01	G1	5.1994830E-03
(2S+,7S+)	F0	3.1260700E-01	G0	8.1426169E-04
(2P-,2P-)	F0	2.2914571E+01		
(2P-,2P+)	F0	1.9714744E+01	G2	7.8134725E+00

TABLE 1.– CONTINUED

EINSTEINIUM 5F11 Z=99

(2P-,3S+)	F0	9.3322455E+00	G1	9.0837863E-01				
(2P-,3P-)	F0	1.0121934E+01	G0	1.2415995E+00				
(2P-,3P+)	F0	8.7918189E+00	G2	9.1033162E-01				
(2P-,3D-)	F0	9.6030290E+00	G1	1.9142452E+00				
(2P-,3D+)	F0	9.1200397E+00	G3	9.1143423E-01				
(2P-,4S+)	F0	4.5700795E+00	G1	2.2028640E-01				
(2P-,4P-)	F0	4.7308355E+00	G0	2.8099250E-01				
(2P-,4P+)	F0	4.1449581E+00	G2	2.1914019E-01				
(2P-,4D-)	F0	4.2116112E+00	G1	4.5274159E-01				
(2P-,4D+)	F0	4.0355482E+00	G3	2.2220505E-01				
(2P-,4F-)	F0	3.8410897E+00	G2	2.2873890E-02				
(2P-,4F+)	F0	3.7671881E+00	G4	1.3324305E-02				
(2P-,5S+)	F0	2.2592774E+00	G1	5.8449627E-02				
(2P-,5P-)	F0	2.2327232E+00	G0	7.0073418E-02				
(2P-,5P+)	F0	1.9524576E+00	G2	5.4399416E-02				
(2P-,5D-)	F0	1.7953015E+00	G1	9.6530176E-02				
(2P-,5D+)	F0	1.7199838E+00	G3	4.7033279E-02				
(2P-,5F-)	F0	1.1849816E+00	G2	2.8341998E-03				
(2P-,5F+)	F0	1.1402597E+00	G4	1.5783619E-03				
(2P-,6S+)	F0	9.9613656E-01	G1	1.1430055E-02				
(2P-,6P-)	F0	8.9681404E-01	G0	1.1359597E-02				
(2P-,6P+)	F0	7.3785960E-01	G2	7.4325479E-03				
(2P-,7S+)	F0	3.1297885E-01	G1	8.7511640E-04				
(2P+,2P+)	F0	1.7702346E+01	F2	8.3722176E+00				
(2P+,3S+)	F0	8.9143476E+00	G1	9.0177214E-01				
(2P+,3P-)	F0	9.5695579E+00	G2	1.0394795E+00				
(2P+,3P+)	F0	8.4112659E+00	F2	2.1380607E+00	G0	8.7221345E-01	G2	9.4023501E-01
(2P+,3D-)	F0	9.4181808E+00	F2	2.9822992E+00	G1	2.5977694E+00	G3	1.4934937E+00
(2P+,3D+)	F0	8.9791388E+00	F2	2.6868387E+00	G1	2.5069738E+00	G3	1.4427966E+00
(2P+,4S+)	F0	4.4569408E+00	G1	2.0910077E-01				
(2P+,4P-)	F0	4.5877197E+00	G2	2.3905745E-01				
(2P+,4P+)	F0	4.0458734E+00	F2	5.5024832E-01	G0	1.9273225E-01	G2	2.2452886E-01
(2P+,4D-)	F0	4.1623614E+00	F2	6.6550836E-01	G1	5.4786029E-01	G3	3.2608144E-01
(2P+,4D+)	F0	3.9977572E+00	F2	6.0411729E-01	G1	5.4730441E-01	G3	3.2488118E-01
(2P+,4F-)	F0	3.8389692E+00	F2	3.0900522E-01	G2	4.7218548E-02	G4	3.0497746E-02
(2P+,4F+)	F0	3.7654762E+00	F2	2.8978789E-01	G2	4.6544372E-02	G4	3.0053172E-02
(2P+,5S+)	F0	2.2283953E+00	G1	5.4933263E-02				
(2P+,5P-)	F0	2.1958300E+00	G2	5.9913363E-02				
(2P+,5P+)	F0	1.9273767E+00	F2	1.3833946E-01	G0	4.6876469E-02	G2	5.5625039E-02
(2P+,5D-)	F0	1.7845166E+00	F2	1.4033149E-01	G1	1.1408832E-01	G3	6.8442957E-02
(2P+,5D+)	F0	1.7118111E+00	F2	1.2590167E-01	G1	1.1322511E-01	G3	6.7682794E-02
(2P+,5F-)	F0	1.1847155E+00	F2	3.3081210E-02	G2	5.7455424E-03	G4	3.7186773E-03
(2P+,5F+)	F0	1.1400547E+00	F2	2.9657323E-02	G2	5.4195558E-03	G4	3.5062803E-03
(2P+,6S+)	F0	9.9005452E-01	G1	1.0716595E-02				
(2P+,6P-)	F0	8.9078746E-01	G2	9.7240955E-03				
(2P+,6P+)	F0	7.3441833E-01	F2	1.9173289E-02	G0	6.3767102E-03	G2	7.5966910E-03
(2P+,7S+)	F0	3.1251271E-01	G1	8.2020198E-04				
(3S+,3S+)	F0	6.8384086E+00						
(3S+,3P-)	F0	7.0651209E+00	G1	4.2998877E+00				
(3S+,3P+)	F0	6.5401388E+00	G1	4.1684913E+00				
(3S+,3D-)	F0	7.0211601E+00	G2	2.8831296E+00				
(3S+,3D+)	F0	6.8763893E+00	G2	2.9300979E+00				
(3S+,4S+)	F0	3.9482791E+00	G0	3.0990631E-01				
(3S+,4P-)	F0	4.0044834E+00	G1	3.1357594E-01				
(3S+,4P+)	F0	3.5905599E+00	G1	3.4722660E-01				

TABLE 1.– CONTINUED

EINSTEINIUM 5F11 Z=99

(3S+,4D-)	F0 3.6707748E+00	G2 2.1925307E-01				
(3S+,4D+)	F0 3.5607277E+00	G2 2.0980967E-01				
(3S+,4F-)	F0 3.7290933E+00	G3 6.4455082E-01				
(3S+,4F+)	F0 3.6674780E+00	G3 6.1832564E-01				
(3S+,5S+)	F0 2.0918258E+00	G0 6.8406406E-02				
(3S+,5P-)	F0 2.0478827E+00	G1 6.8199311E-02				
(3S+,5P+)	F0 1.8134530E+00	G1 7.3735919E-02				
(3S+,5D-)	F0 1.6814858E+00	G2 4.3991121E-02				
(3S+,5D+)	F0 1.6213160E+00	G2 4.0431088E-02				
(3S+,5F-)	F0 1.1719471E+00	G3 6.4174078E-02				
(3S+,5F+)	F0 1.1291650E+00	G3 5.9237228E-02				
(3S+,6S+)	F0 9.6326089E-01	G0 1.2838068E-02				
(3S+,6P-)	F0 8.6670250E-01	G1 1.0744586E-02				
(3S+,6P+)	F0 7.1882399E-01	G1 9.7658921E-03				
(3S+,7S+)	F0 3.1046031E-01	G0 9.7709758E-04				
(3P-,3P-)	F0 7.3539939E+00					
(3P-,3P+)	F0 6.7433385E+00	G2 3.0265738E+00				
(3P-,3D-)	F0 7.2898391E+00	G1 4.1003139E+00				
(3P-,3D+)	F0 7.1220645E+00	G3 2.5771380E+00				
(3P-,4S+)	F0 3.9994569E+00	G1 3.7711730E-01				
(3P-,4P-)	F0 4.0662603E+00	G0 3.5656325E-01				
(3P-,4P+)	F0 3.6373445E+00	G2 3.4966335E-01				
(3P-,4D-)	F0 3.7182054E+00	G1 2.3953423E-01				
(3P-,4D+)	F0 3.6050044E+00	G3 2.3992020E-01				
(3P-,4F-)	F0 3.7475146E+00	G2 7.2033312E-01				
(3P-,4F+)	F0 3.6841502E+00	G4 4.4862315E-01				
(3P-,5S+)	F0 2.1054045E+00	G1 8.6372048E-02				
(3P-,5P-)	F0 2.0633675E+00	G0 7.5942492E-02				
(3P-,5P+)	F0 1.8250613E+00	G2 7.7918255E-02				
(3P-,5D-)	F0 1.6912068E+00	G1 4.4312122E-02				
(3P-,5D+)	F0 1.6302771E+00	G3 4.5505597E-02				
(3P-,5F-)	F0 1.1740502E+00	G2 7.2419524E-02				
(3P-,5F+)	F0 1.1309878E+00	G4 4.3822975E-02				
(3P-,6S+)	F0 9.6591780E-01	G1 1.6334983E-02				
(3P-,6P-)	F0 8.6921705E-01	G0 1.1917519E-02				
(3P-,6P+)	F0 7.2041037E-01	G2 1.0418901E-02				
(3P-,7S+)	F0 3.1066375E-01	G1 1.2446068E-03				
(3P+,3P+)	F0 6.2941003E+00	F2 3.1040044E+00				
(3P+,3D-)	F0 6.6943384E+00	F2 3.1094999E+00	G1 3.2122175E+00	G3 2.1388371E+00		
(3P+,3D+)	F0 6.5674447E+00	F2 3.1254732E+00	G1 3.3269412E+00	G3 2.2155482E+00		
(3P+,4S+)	F0 3.8863237E+00	G1 3.9313621E-01				
(3P+,4P-)	F0 3.9414622E+00	G2 4.0911815E-01				
(3P+,4P+)	F0 3.5415499E+00	F2 1.0460838E+00	G0 2.8835959E-01	G2 3.3132472E-01		
(3P+,4D-)	F0 3.6176034E+00	F2 1.0699781E+00	G1 2.6632928E-01	G3 2.6466496E-01		
(3P+,4D+)	F0 3.5102344E+00	F2 1.0113826E+00	G1 2.3108832E-01	G3 2.4242105E-01		
(3P+,4F-)	F0 3.6905186E+00	F2 1.3457999E+00	G2 9.4438442E-01	G4 6.2854327E-01		
(3P+,4F+)	F0 3.6317873E+00	F2 1.3011354E+00	G2 9.1552352E-01	G4 6.0996368E-01		
(3P+,5S+)	F0 2.0755808E+00	G1 8.4566646E-02				
(3P+,5P-)	F0 2.0322436E+00	G2 8.7167600E-02				
(3P+,5P+)	F0 1.8014978E+00	F2 2.6932242E-01	G0 5.9784434E-02	G2 7.2920819E-02		
(3P+,5D-)	F0 1.6705747E+00	F2 2.3183823E-01	G1 5.3067735E-02	G3 5.2849876E-02		
(3P+,5D+)	F0 1.6111096E+00	F2 2.1602788E-01	G1 4.5330165E-02	G3 4.7730305E-02		
(3P+,5F-)	F0 1.1678129E+00	F2 1.3675864E-01	G2 8.7686112E-02	G4 5.9403581E-02		
(3P+,5F+)	F0 1.1254952E+00	F2 1.2687478E-01	G2 8.2028292E-02	G4 5.5590616E-02		
(3P+,6S+)	F0 9.6009053E-01	G1 1.5808531E-02				

TABLE 1.– CONTINUED

EINSTEINIUM 5F11 Z=99

(3P+,6P-)	F0	8.6416797E-01	G2	1.3690660E-02							
(3P+,6P+)	F0	7.1719558E-01	F2	3.8684637E-02	G0	7.8856072E-03	G2	9.7270672E-03			
(3P+,7S+)	F0	3.1021764E-01	G1	1.2025414E-03							
(3D-,3D-)	F0	7.3791021E+00	F2	3.7212550E+00							
(3D-,3D+)	F0	7.2045295E+00	F2	3.6549232E+00	G2	3.5285593E+00	G4	2.2722342E+00			
(3D-,4S+)	F0	3.9873124E+00	G2	3.6128080E-01							
(3D-,4P-)	F0	4.0481174E+00	G1	3.7898744E-01							
(3D-,4P+)	F0	3.6262043E+00	F2	9.3955781E-01	G1	2.9881836E-01	G3	2.9428872E-01			
(3D-,4D-)	F0	3.7342875E+00	F2	1.0203183E+00	G0	3.3167231E-01	G2	4.0638982E-01			
(3D-,4D+)	F0	3.6216481E+00	F2	9.7158705E-01	G2	3.7759310E-01	G4	2.9378341E-01			
(3D-,4F-)	F0	3.7459443E+00	F2	1.1276481E+00	G1	9.5632822E-01	G3	5.6456996E-01			
(3D-,4F+)	F0	3.6823181E+00	F2	1.0834893E+00	G3	5.2809040E-01	G5	3.6638228E-01			
(3D-,5S+)	F0	2.1020560E+00	G2	8.2629362E-02							
(3D-,5P-)	F0	2.0586160E+00	G1	7.9869244E-02							
(3D-,5P+)	F0	1.8222443E+00	F2	2.3960159E-01	G1	6.4601467E-02	G3	6.6663707E-02			
(3D-,5D-)	F0	1.6943745E+00	F2	2.1775551E-01	G0	5.8740404E-02	G2	7.7569504E-02			
(3D-,5D+)	F0	1.6335906E+00	F2	2.0451488E-01	G2	7.1165451E-02	G4	5.6889609E-02			
(3D-,5F-)	F0	1.1740129E+00	F2	1.1585587E-01	G1	9.2514949E-02	G3	5.5822375E-02			
(3D-,5F+)	F0	1.1309097E+00	F2	1.0674630E-01	G3	5.0092988E-02	G5	3.5056477E-02			
(3D-,6S+)	F0	9.6525635E-01	G2	1.5646858E-02							
(3D-,6P-)	F0	8.6843810E-01	G1	1.2519794E-02							
(3D-,6P+)	F0	7.2002376E-01	F2	3.4118794E-02	G1	8.5875951E-03	G3	8.9434605E-03			
(3D-,7S+)	F0	3.1061303E-01	G2	1.1924339E-03							
(3D+,3D+)	F0	7.0456304E+00	F2	3.6065783E+00	F4	2.3242076E+00					
(3D+,4S+)	F0	3.9544384E+00	G2	3.7404960E-01							
(3D+,4P-)	F0	4.0119086E+00	G3	3.8530802E-01							
(3D+,4P+)	F0	3.5977480E+00	F2	9.7010748E-01	G1	3.0099241E-01	G3	3.0394921E-01			
(3D+,4D-)	F0	3.7018661E+00	F2	1.0443984E+00	G2	3.8694823E-01	G4	3.0747718E-01			
(3D+,4D+)	F0	3.5918735E+00	F2	9.9448714E-01	F4	4.8847853E-01	G0	3.0892149E-01	G2	3.8937816E-01	G4 3.0621805E-01
(3D+,4F-)	F0	3.7323356E+00	F2	1.1865271E+00	F4	6.2891632E-01	G1	1.0067410E+00	G3	5.9665268E-01	G5 4.1402706E-01
(3D+,4F+)	F0	3.6698756E+00	F2	1.1416774E+00	F4	5.9892469E-01	G1	9.8458608E-01	G3	5.8367219E-01	G5 4.0506158E-01
(3D+,5S+)	F0	2.0933440E+00	G2	9.3988342E-02							
(3D+,5P-)	F0	2.0495422E+00	G3	8.4691272E-02							
(3D+,5P+)	F0	1.8152001E+00	F2	2.4797907E-01	G1	6.4519082E-02	G3	6.8414700E-02			
(3D+,5D-)	F0	1.6876569E+00	F2	2.2350477E-01	G2	7.3343924E-02	G4	6.3022595E-02			
(3D+,5D+)	F0	1.6274993E+00	F2	2.0988608E-01	F4	9.3512482E-02	G0	5.3830732E-02	G2	7.3191519E-02	G4 5.9185939E-02
(3D+,5F-)	F0	1.1725173E+00	F2	1.2169954E-01	F4	5.8186709E-02	G1	9.5320234E-02	G3	5.7884161E-02	G5 4.0565441E-02
(3D+,5F+)	F0	1.1296004E+00	F2	1.1229828E-01	F4	5.3185447E-02	G1	8.9984115E-02	G3	5.4594110E-02	G5 3.8246141E-02
(3D+,6S+)	F0	9.6355202E-01	G2	1.5853230E-02							
(3D+,6P-)	F0	8.6696459E-01	G3	1.3392649E-02							
(3D+,6P+)	F0	7.1906152E-01	F2	3.5392488E-02	G1	8.5636888E-03	G3	9.1676751E-03			
(3D+,7S+)	F0	3.1048253E-01	G2	1.2076238E-03							
(4S+,4S+)	F0	3.1558734E+00									
(4S+,4P-)	F0	3.1739695E+00	G1	2.1069963E+00							
(4S+,4P+)	F0	2.9610415E+00	G1	1.9019813E+00							
(4S+,4D-)	F0	2.9969897E+00	G2	1.4724471E+00							
(4S+,4D+)	F0	2.9379006E+00	G2	1.4306527E+00							
(4S+,4F-)	F0	3.0298655E+00	G3	1.0883824E+00							
(4S+,4F+)	F0	3.0031406E+00	G3	1.0873872E+00							
(4S+,5S+)	F0	1.9012787E+00	G0	1.2592914E-01							
(4S+,5P-)	F0	1.8590530E+00	G1	1.4209511E-01							
(4S+,5P+)	F0	1.6672517E+00	G1	1.6137993E-01							
(4S+,5D-)	F0	1.5501139E+00	G2	1.1477121E-01							
(4S+,5D+)	F0	1.5004892E+00	G2	1.1877548E-01							
(4S+,5F-)	F0	1.1080463E+00	G3	3.9178697E-02							

TABLE 1.– CONTINUED

EINSTEINIUM 5F11 Z=99

(4S+,5F+)	F0	1.0707956E+00	G3	3.8485894E-02						
(4S+,6S+)	F0	9.2651254E-01	G0	2.0077503E-02						
(4S+,6P-)	F0	8.3643973E-01	G1	1.9691756E-02						
(4S+,6P+)	F0	6.9903820E-01	G1	1.9121010E-02						
(4S+,7S+)	F0	3.0765201E-01	G0	1.4955804E-03						
(4P-,4P-)	F0	3.1952218E+00								
(4P-,4P+)	F0	2.9749645E+00	G2	1.4172343E+00						
(4P-,4D-)	F0	3.0125635E+00	G1	1.9224460E+00						
(4P-,4D+)	F0	2.9517704E+00	G3	1.1560394E+00						
(4P-,4F-)	F0	3.0446408E+00	G2	1.3353934E+00						
(4P-,4F+)	F0	3.0172126E+00	G4	9.3845002E-01						
(4P-,5S+)	F0	1.9056363E+00	G1	1.6552895E-01						
(4P-,5P-)	F0	1.8639166E+00	G0	1.2826988E-01						
(4P-,5P+)	F0	1.6707200E+00	G2	1.4660575E-01						
(4P-,5D-)	F0	1.5532988E+00	G1	1.3317915E-01						
(4P-,5D+)	F0	1.5033574E+00	G3	1.1119090E-01						
(4P-,5F-)	F0	1.1093743E+00	G2	4.4452753E-02						
(4P-,5F+)	F0	1.0720200E+00	G4	3.7971868E-02						
(4P-,6S+)	F0	9.2735249E-01	G1	2.7159391E-02						
(4P-,6P-)	F0	8.3721805E-01	G0	1.7346777E-02						
(4P-,6P+)	F0	6.9950964E-01	G2	1.7856293E-02						
(4P-,7S+)	F0	3.0771620E-01	G1	2.0305657E-03						
(4P+,4P+)	F0	2.8064219E+00	F2	1.4562289E+00						
(4P+,4D-)	F0	2.8313596E+00	F2	1.4399290E+00	G1	1.7680942E+00	G3	1.1291507E+00		
(4P+,4D+)	F0	2.7834272E+00	F2	1.4226848E+00	G1	1.7763636E+00	G3	1.1295129E+00		
(4P+,4F-)	F0	2.8484674E+00	F2	1.4203036E+00	G2	1.1427801E+00	G4	8.2689447E-01		
(4P+,4F+)	F0	2.8267587E+00	F2	1.4181355E+00	G2	1.1534311E+00	G4	8.3356418E-01		
(4P+,5S+)	F0	1.8611440E+00	G1	1.9078775E-01						
(4P+,5P-)	F0	1.8206691E+00	G2	1.7889242E-01						
(4P+,5P+)	F0	1.6369693E+00	F2	5.1245398E-01	G0	1.0787612E-01	G2	1.3736366E-01		
(4P+,5D-)	F0	1.5232874E+00	F2	4.3479115E-01	G1	9.2990753E-02	G3	9.5869918E-02		
(4P+,5D+)	F0	1.4753930E+00	F2	4.0775121E-01	G1	9.5379577E-02	G3	9.4011583E-02		
(4P+,5F-)	F0	1.0947480E+00	F2	2.2142704E-01	G2	3.3231546E-02	G4	3.2337466E-02		
(4P+,5F+)	F0	1.0583412E+00	F2	2.0763858E-01	G2	3.1683247E-02	G4	3.0761505E-02		
(4P+,6S+)	F0	9.1894157E-01	G1	2.8670418E-02						
(4P+,6P-)	F0	8.3040875E-01	G2	2.4167480E-02						
(4P+,6P+)	F0	6.9501573E-01	F2	8.1023160E-02	G0	1.2351613E-02	G2	1.6530028E-02		
(4P+,7S+)	F0	3.0707513E-01	G1	2.1229786E-03						
(4D-,4D-)	F0	2.8661237E+00	F2	1.4498204E+00						
(4D-,4D+)	F0	2.8149173E+00	F2	1.4254649E+00	G2	1.4126655E+00	G4	9.5501440E-01		
(4D-,4F-)	F0	2.8835419E+00	F2	1.4308156E+00	G1	1.5541602E+00	G3	1.0389589E+00		
(4D-,4F+)	F0	2.8604472E+00	F2	1.4268719E+00	G3	1.0348846E+00	G5	7.4988980E-01		
(4D-,5S+)	F0	1.8681817E+00	G2	2.0971411E-01						
(4D-,5P-)	F0	1.8275835E+00	G1	1.9066035E-01						
(4D-,5P+)	F0	1.6423891E+00	F2	5.0453176E-01	G1	1.3645118E-01	G3	1.3708642E-01		
(4D-,5D-)	F0	1.5296722E+00	F2	4.3280023E-01	G0	1.0359011E-01	G2	1.2569900E-01		
(4D-,5D+)	F0	1.4813305E+00	F2	4.0575477E-01	G2	1.1981101E-01	G4	1.0096753E-01		
(4D-,5F-)	F0	1.0975629E+00	F2	2.1934980E-01	G1	3.8171083E-02	G3	4.1973716E-02		
(4D-,5F+)	F0	1.0609698E+00	F2	2.0578769E-01	G3	3.9613212E-02	G5	3.3618272E-02		
(4D-,6S+)	F0	9.2030129E-01	G2	3.1466889E-02						
(4D-,6P-)	F0	8.3151160E-01	G1	2.3756933E-02						
(4D-,6P+)	F0	6.9574334E-01	F2	7.9664024E-02	G1	1.5827667E-02	G3	1.6562930E-02		
(4D-,7S+)	F0	3.0717901E-01	G2	2.3328580E-03						
(4D+,4D+)	F0	2.7672106E+00	F2	1.4067755E+00	F4	9.5049979E-01				
(4D+,4F-)	F0	2.8295989E+00	F2	1.3959307E+00	F4	9.0131067E-01	G1	1.4742484E+00	G3	9.9272357E-01	G5	7.2179512E-01

TABLE 1.– CONTINUED

EINSTEINIUM 5F11 Z=99

(4D+,4F+)	F0	2.8079606E+00	F2	1.3937023E+00	F4	9.0253584E-01	G1	1.4903152E+00	G3	1.0026152E+00	G5	7.2877504E-01			
(4D+,5S+)	F0	1.8554266E+00	G2	2.2690099E-01											
(4D+,5P-)	F0	1.8152700E+00	G3	2.0103487E-01											
(4D+,5P+)	F0	1.6328152E+00	F2	5.1851280E-01	G1	1.3990381E-01	G3	1.4208468E-01							
(4D+,5D-)	F0	1.5212006E+00	F2	4.4444595E-01	G2	1.2471760E-01	G4	1.0753050E-01							
(4D+,5D+)	F0	1.4734790E+00	F2	4.1668626E-01	F4	2.0194720E-01	G0	9.7780380E-02	G2	1.1999363E-01	G4	1.0226565E-01			
(4D+,5F-)	F0	1.0935786E+00	F2	2.2595853E-01	F4	9.3480330E-02	G1	3.7043249E-02	G3	4.1338239E-02	G5	3.5429471E-02			
(4D+,5F+)	F0	1.0572460E+00	F2	2.1189146E-01	F4	8.7013399E-02	G1	3.5093951E-02	G3	3.9141398E-02	G5	3.3512489E-02			
(4D+,6S+)	F0	9.1790847E-01	G2	3.2844556E-02											
(4D+,6P-)	F0	8.2958385E-01	G3	2.6252285E-02											
(4D+,6P+)	F0	6.9447080E-01	F2	8.2445578E-02	G1	1.5975290E-02	G3	1.6977403E-02							
(4D+,7S+)	F0	3.0699678E-01	G2	2.4266113E-03											
(4F-,4F-)	F0	2.9472789E+00	F2	1.5292947E+00	F4	9.8992988E-01									
(4F-,4F+)	F0	2.9219352E+00	F2	1.5182813E+00	F4	9.8326624E-01	G2	1.5009591E+00	G4	9.7256061E-01	G6	7.0927338E-01			
(4F-,5S+)	F0	1.8721952E+00	G3	2.1058228E-01											
(4F-,5P-)	F0	1.8310207E+00	G2	2.0830897E-01											
(4F-,5P+)	F0	1.6452798E+00	F2	4.9560093E-01	G2	1.4173666E-01	G4	1.3320222E-01							
(4F-,5D-)	F0	1.5321129E+00	F2	4.2555839E-01	G1	1.1899542E-01	G3	1.2627827E-01							
(4F-,5D+)	F0	1.4836780E+00	F2	3.9857374E-01	F4	1.9334863E-01	G1	1.0880385E-01	G3	1.1564401E-01	G5	9.7360950E-02			
(4F-,5F-)	F0	1.1026543E+00	F2	2.2554083E-01	F4	9.9799753E-02	G0	6.0697505E-02	G2	7.6315666E-02	G4	5.9834824E-02			
(4F-,5F+)	F0	1.0657896E+00	F2	2.1166649E-01	F4	9.3181313E-02	G2	7.1063994E-02	G4	5.5579590E-02	G6	4.3513460E-02			
(4F-,6S+)	F0	9.2113070E-01	G3	3.0536258E-02											
(4F-,6P-)	F0	8.3209041E-01	G2	2.4763029E-02											
(4F-,6P+)	F0	6.9613614E-01	F2	7.8255251E-02	G2	1.5895224E-02	G4	1.5725237E-02							
(4F-,7S+)	F0	3.0724258E-01	G3	2.2636955E-03											
(4F+,4F+)	F0	2.8974069E+00	F2	1.5082829E+00	F4	9.7739679E-01	F6	7.1282797E-01							
(4F+,5S+)	F0	1.8660488E+00	G3	2.1681685E-01											
(4F+,5P-)	F0	1.8250991E+00	G4	1.9217162E-01											
(4F+,5P+)	F0	1.6407115E+00	F2	5.0231605E-01	G2	1.4550827E-01	G4	1.3649860E-01							
(4F+,5D-)	F0	1.5280778E+00	F2	4.3135562E-01	G3	1.2766084E-01	G5	1.0732636E-01							
(4F+,5D+)	F0	1.4799349E+00	F2	4.0404252E-01	F4	1.9690054E-01	G1	1.1078455E-01	G3	1.1810985E-01	G5	9.9512617E-02			
(4F+,5F-)	F0	1.1006333E+00	F2	2.2847783E-01	F4	1.0118786E-01	G2	7.5162942E-02	G4	5.9324869E-02	G6	4.6583611E-02			
(4F+,5F+)	F0	1.0639160E+00	F2	2.1443001E-01	F4	9.4443397E-02	F6	5.8771167E-02	G0	5.6832874E-02	G2	7.1818048E-02			
(4F+,6S+)	F0	9.1998388E-01	G3	3.1007050E-02											
(4F+,6P-)	F0	8.3116808E-01	G4	2.4604046E-02											
(4F+,6P+)	F0	6.9552949E-01	F2	7.9583007E-02	G2	1.6148960E-02	G4	1.5998478E-02							
(4F+,7S+)	F0	3.0715525E-01	G3	2.2959387E-03											
(5S+,5S+)	F0	1.5499105E+00													
(5S+,5P-)	F0	1.5268116E+00	G1	1.0526581E+00											
(5S+,5P+)	F0	1.4191585E+00	G1	8.8370828E-01											
(5S+,5D-)	F0	1.3420254E+00	G2	6.0068803E-01											
(5S+,5D+)	F0	1.3086999E+00	G2	5.4990494E-01											
(5S+,5F-)	F0	1.0142644E+00	G3	2.3429616E-01											
(5S+,5F+)	F0	9.8380192E-01	G3	2.1460847E-01											
(5S+,6S+)	F0	8.6587882E-01	G0	4.3960607E-02											
(5S+,6P-)	F0	7.8828130E-01	G1	4.8838409E-02											
(5S+,6P+)	F0	6.6754186E-01	G1	4.7822738E-02											
(5S+,7S+)	F0	3.0306617E-01	G0	2.9592274E-03											
(5P-,5P-)	F0	1.5050085E+00													
(5P-,5P+)	F0	1.4023585E+00	G2	6.9164833E-01											
(5P-,5D-)	F0	1.3280432E+00	G1	7.9462297E-01											
(5P-,5D+)	F0	1.2959067E+00	G3	4.6355359E-01											
(5P-,5F-)	F0	1.0080017E+00	G2	3.0601690E-01											
(5P-,5F+)	F0	9.7804883E-01	G4	1.9205759E-01											
(5P-,6S+)	F0	8.6244560E-01	G1	6.1383104E-02											

TABLE 1.– CONTINUED

EINSTEINIUM 5F11 Z=99

(5P-,6P-)	F0	7.8561256E-01	G0	3.7526105E-02						
(5P-,6P+)	F0	6.6572794E-01	G2	4.0760622E-02						
(5P-,7S+)	F0	3.0280988E-01	G1	4.1664867E-03						
(5P+,5P+)	F0	1.3238183E+00	F2	7.1052260E-01						
(5P+,5D-)	F0	1.2622068E+00	F2	6.6628308E-01	G1	8.4738053E-01	G3	5.3567460E-01		
(5P+,5D+)	F0	1.2357657E+00	F2	6.4778028E-01	G1	8.1723858E-01	G3	5.1570257E-01		
(5P+,5F-)	F0	9.7843585E-01	F2	4.4019645E-01	G2	9.7241350E-01	G4	2.5392108E-01		
(5P+,5F+)	F0	9.5089907E-01	F2	4.1896387E-01	G2	3.4830512E-01	G4	2.3733808E-01		
(5P+,6S+)	F0	8.4603390E-01	G1	8.5373058E-02						
(5P+,6P-)	F0	7.7273598E-01	G2	6.0347092E-02						
(5P+,6P+)	F0	6.5717302E-01	F2	1.7389525E-01	G0	2.8413389E-02	G2	3.8440646E-02		
(5P+,7S+)	F0	3.0158732E-01	G1	5.2785209E-03						
(5D-,5D-)	F0	1.2093571E+00	F2	6.3714570E-01						
(5D-,5D+)	F0	1.1864851E+00	F2	6.2448267E-01	G2	6.2182406E-01	G4	4.2429820E-01		
(5D-,5F-)	F0	9.5249203E-01	F2	4.4591018E-01	G1	5.2906353E-01	G3	3.2675559E-01		
(5D-,5F+)	F0	9.2687206E-01	F2	4.2647210E-01	G3	3.0781740E-01	G5	2.1972457E-01		
(5D-,6S+)	F0	8.3248338E-01	G2	1.3048641E-01						
(5D-,6P-)	F0	7.6238734E-01	G1	9.6710911E-02						
(5D-,6P+)	F0	6.5050077E-01	F2	1.9119435E-01	G1	4.6741174E-02	G3	4.6485365E-02		
(5D-,7S+)	F0	3.0060503E-01	G2	7.2146516E-03						
(5D+,5D+)	F0	1.1652016E+00	F2	6.1453651E-01	F4	4.1901737E-01				
(5D+,5F-)	F0	9.4124966E-01	F2	4.4818450E-01	F4	2.9029626E-01	G1	5.3955700E-01	G3	3.3355829E-01	G5	2.3807615E-01
(5D+,5F+)	F0	9.1646153E-01	F2	4.2953765E-01	F4	2.7645057E-01	G1	5.1212119E-01	G3	3.1612961E-01	G5	2.2552938E-01
(5D+,6S+)	F0	8.2650456E-01	G2	1.4806197E-01						
(5D+,6P-)	F0	7.5780204E-01	G3	9.6526158E-02						
(5D+,6P+)	F0	6.4756278E-01	F2	1.9847899E-01	G1	5.2404625E-02	G3	5.0871847E-02		
(5D+,7S+)	F0	3.0017489E-01	G2	7.8390058E-03						
(5F-,5F-)	F0	8.0291058E-01	F2	3.9057373E-01	F4	2.5309117E-01				
(5F-,5F+)	F0	7.8600962E-01	F2	3.8075716E-01	F4	2.4627210E-01	G2	3.8011629E-01	G4	2.4594870E-01	G6	1.7987326E-01
(5F-,6S+)	F0	7.3643094E-01	G3	2.2434361E-01						
(5F-,6P-)	F0	6.8639720E-01	G2	2.2940514E-01						
(5F-,6P+)	F0	6.0134182E-01	F2	2.4953330E-01	G2	1.5584944E-01	G4	1.1467484E-01		
(5F-,7S+)	F0	2.9400020E-01	G3	1.4294292E-02						
(5F+,5F+)	F0	7.6990968E-01	F2	3.7182059E-01	F4	2.4014133E-01	F6	1.7548428E-01		
(5F+,6S+)	F0	7.2391014E-01	G3	2.2616223E-01						
(5F+,6P-)	F0	6.7600353E-01	G4	1.6798721E-01						
(5F+,6P+)	F0	5.9408079E-01	F2	2.5133142E-01	G2	1.6346310E-01	G4	1.1917799E-01		
(5F+,7S+)	F0	2.9296566E-01	G3	1.6044183E-02						
(6S+,6S+)	F0	7.0151797E-01								
(6S+,6P-)	F0	6.6142730E-01	G1	4.5412887E-01						
(6S+,6P+)	F0	5.8829769E-01	G1	3.2950982E-01						
(6S+,7S+)	F0	2.9203202E-01	G0	9.1936940E-03						
(6P-,6P-)	F0	6.2839788E-01								
(6P-,6P+)	F0	5.6625475E-01	G2	2.8019636E-01						
(6P-,7S+)	F0	2.8957931E-01	G1	1.5666446E-02						
(6P+,6P+)	F0	5.2230716E-01	F2	2.8283118E-01						
(6P+,7S+)	F0	2.8460967E-01	G1	3.3611686E-02						
(7S+,7S+)	F0	2.2779482E-01								

TABLE 1.– CONTINUED

FERMIUM 5F12 Z=100

(1S+,1S+)	F0	8.0529036E+01		
(1S+,2S+)	F0	2.7534867E+01	G0	3.8875971E+00
(1S+,2P-)	F0	3.3309773E+01	G1	4.9108079E+00
(1S+,2P+)	F0	2.4579885E+01	G1	3.6726211E+00
(1S+,3S+)	F0	1.1088076E+01	G0	8.1397238E-01
(1S+,3P-)	F0	1.2292828E+01	G1	1.0051313E+00
(1S+,3P+)	F0	9.9219038E+00	G1	8.8579741E-01
(1S+,3D-)	F0	9.9687260E+00	G2	2.9622073E-02
(1S+,3D+)	F0	9.3922943E+00	G2	3.6211113E-02
(1S+,4S+)	F0	5.0926057E+00	G0	2.2133197E-01
(1S+,4P-)	F0	5.3480323E+00	G1	2.6570284E-01
(1S+,4P+)	F0	4.4790002E+00	G1	2.4029717E-01
(1S+,4D-)	F0	4.3478087E+00	G2	9.1798804E-03
(1S+,4D+)	F0	4.1435356E+00	G2	1.1327461E-02
(1S+,4F-)	F0	3.9076847E+00	G3	4.2329734E-05
(1S+,4F+)	F0	3.8307494E+00	G3	6.0419029E-05
(1S+,5S+)	F0	2.4280191E+00	G0	6.0883000E-02
(1S+,5P-)	F0	2.4205267E+00	G1	6.9381525E-02
(1S+,5P+)	F0	2.0583066E+00	G1	6.1880519E-02
(1S+,5D-)	F0	1.8487846E+00	G2	2.1007719E-03
(1S+,5D+)	F0	1.7650516E+00	G2	2.5601483E-03
(1S+,5F-)	F0	1.2242161E+00	G3	5.7180861E-06
(1S+,5F+)	F0	1.1778266E+00	G3	7.7927525E-06
(1S+,6S+)	F0	1.0401892E+00	G0	1.1977650E-02
(1S+,6P-)	F0	9.3824126E-01	G1	1.1320856E-02
(1S+,6P+)	F0	7.5737790E-01	G1	8.3994632E-03
(1S+,7S+)	F0	3.1845950E-01	G0	8.9833307E-04
(2S+,2S+)	F0	1.8446439E+01		
(2S+,2P-)	F0	2.0253733E+01	G1	9.6809146E+00
(2S+,2P+)	F0	1.7999597E+01	G1	1.0236756E+01
(2S+,3S+)	F0	9.1492887E+00	G0	9.1454463E-01
(2S+,3P-)	F0	9.7950800E+00	G1	8.1119217E-01
(2S+,3P+)	F0	8.5328047E+00	G1	6.9982249E-01
(2S+,3D-)	F0	9.5752996E+00	G2	1.9584779E+00
(2S+,3D+)	F0	9.1168457E+00	G2	1.8013868E+00
(2S+,4S+)	F0	4.5592023E+00	G0	2.1328314E-01
(2S+,4P-)	F0	4.6889836E+00	G1	1.9361360E-01
(2S+,4P+)	F0	4.1096622E+00	G1	1.5945271E-01
(2S+,4D-)	F0	4.2358725E+00	G2	4.4549953E-01
(2S+,4D+)	F0	4.0649173E+00	G2	4.1978382E-01
(2S+,4F-)	F0	3.9048032E+00	G3	3.1648925E-02
(2S+,4F+)	F0	3.8285482E+00	G3	3.0458452E-02
(2S+,5S+)	F0	2.2807785E+00	G0	5.6477956E-02
(2S+,5P-)	F0	2.2484283E+00	G1	4.9321399E-02
(2S+,5P+)	F0	1.9636479E+00	G1	3.9383865E-02
(2S+,5D-)	F0	1.8236502E+00	G2	9.5115995E-02
(2S+,5D+)	F0	1.7476431E+00	G2	8.8791477E-02
(2S+,5F-)	F0	1.2238356E+00	G3	4.0589518E-03
(2S+,5F+)	F0	1.1775493E+00	G3	3.7342531E-03
(2S+,6S+)	F0	1.0111958E+00	G0	1.1006297E-02
(2S+,6P-)	F0	9.1015929E-01	G1	8.0018581E-03
(2S+,6P+)	F0	7.4454231E-01	G1	5.2981851E-03
(2S+,7S+)	F0	3.1628468E-01	G0	8.2433756E-04
(2P-,2P-)	F0	2.3360223E+01		
(2P-,2P+)	F0	1.9997026E+01	G2	7.8791915E+00

TABLE 1.– CONTINUED

FERMIUM 5F12 Z=100

(2P-,3S+)	F0	9.4945421E+00	G1	9.2397466E-01				
(2P-,3P-)	F0	1.0306831E+01	G0	1.2738138E+00				
(2P-,3P+)	F0	8.9152989E+00	G2	9.2368839E-01				
(2P-,3D-)	F0	9.7343184E+00	G1	1.9216579E+00				
(2P-,3D+)	F0	9.2334534E+00	G3	9.1063038E-01				
(2P-,4S+)	F0	4.6525923E+00	G1	2.2487153E-01				
(2P-,4P-)	F0	4.8207533E+00	G0	2.8948964E-01				
(2P-,4P+)	F0	4.2095072E+00	G2	2.2343347E-01				
(2P-,4D-)	F0	4.2800951E+00	G1	4.5840541E-01				
(2P-,4D+)	F0	4.0975943E+00	G3	2.2398625E-01				
(2P-,4F-)	F0	3.9061817E+00	G2	2.3068519E-02				
(2P-,4F+)	F0	3.8296182E+00	G4	1.3411565E-02				
(2P-,5S+)	F0	2.3064470E+00	G1	6.0142024E-02				
(2P-,5P-)	F0	2.2826283E+00	G0	7.2863820E-02				
(2P-,5P+)	F0	1.9891191E+00	G2	5.5930004E-02				
(2P-,5D-)	F0	1.8335274E+00	G1	9.8973030E-02				
(2P-,5D+)	F0	1.7548481E+00	G3	4.7980880E-02				
(2P-,5F-)	F0	1.2240172E+00	G2	2.9708065E-03				
(2P-,5F+)	F0	1.1776838E+00	G4	1.6514645E-03				
(2P-,6S+)	F0	1.0162448E+00	G1	1.1748934E-02				
(2P-,6P-)	F0	9.1573193E-01	G0	1.1788494E-02				
(2P-,6P+)	F0	7.4799269E-01	G2	7.5453304E-03				
(2P-,7S+)	F0	3.1666335E-01	G1	8.8027141E-04				
(2P+,2P+)	F0	1.7909014E+01	F2	8.4678748E+00				
(2P+,3S+)	F0	9.0546681E+00	G1	9.1905954E-01				
(2P+,3P-)	F0	9.7248951E+00	G2	1.0616395E+00				
(2P+,3P+)	F0	8.5185407E+00	F2	2.1676353E+00	G0	8.8528726E-01	G2	9.5391286E-01
(2P+,3D-)	F0	9.5419270E+00	F2	3.0261302E+00	G1	2.6325959E+00	G3	1.5134167E+00
(2P+,3D+)	F0	9.0877189E+00	F2	2.7203965E+00	G1	2.5392334E+00	G3	1.4613029E+00
(2P+,4S+)	F0	4.5330690E+00	G1	2.1345098E-01				
(2P+,4P-)	F0	4.6693618E+00	G2	2.4457034E-01				
(2P+,4P+)	F0	4.1056653E+00	F2	5.6046539E-01	G0	1.9646630E-01	G2	2.2884671E-01
(2P+,4D-)	F0	4.2284580E+00	F2	6.7927276E-01	G1	5.5820358E-01	G3	3.3228410E-01
(2P+,4D+)	F0	4.0582001E+00	F2	6.1557724E-01	G1	5.5800449E-01	G3	3.3125533E-01
(2P+,4F-)	F0	3.9039486E+00	F2	3.1671108E-01	G2	4.8611466E-02	G4	3.1398104E-02
(2P+,4F+)	F0	3.8278235E+00	F2	2.9664552E-01	G2	4.7927158E-02	G4	3.0946464E-02
(2P+,5S+)	F0	2.2735563E+00	G1	5.6497192E-02				
(2P+,5P-)	F0	2.2432314E+00	G2	6.1835983E-02				
(2P+,5P+)	F0	1.9626077E+00	F2	1.4207306E-01	G0	4.8172259E-02	G2	5.7165888E-02
(2P+,5D-)	F0	1.8220768E+00	F2	1.4492548E-01	G1	1.1760748E-01	G3	7.0572738E-02
(2P+,5D+)	F0	1.7462261E+00	F2	1.2973225E-01	G1	1.1674719E-01	G3	6.9799454E-02
(2P+,5F-)	F0	1.2237260E+00	F2	3.5103626E-02	G2	6.1425389E-03	G4	3.9759164E-03
(2P+,5F+)	F0	1.1774605E+00	F2	3.1434440E-02	G2	5.7965939E-03	G4	3.7504432E-03
(2P+,6S+)	F0	1.0097732E+00	G1	1.1008997E-02				
(2P+,6P-)	F0	9.0930851E-01	G2	1.0015257E-02				
(2P+,6P+)	F0	7.4440078E-01	F2	1.9451464E-02	G0	6.4698987E-03	G2	7.7085701E-03
(2P+,7S+)	F0	3.1617797E-01	G1	8.2452860E-04				
(3S+,3S+)	F0	6.9495418E+00						
(3S+,3P-)	F0	7.1825905E+00	G1	4.3635724E+00				
(3S+,3P+)	F0	6.6333121E+00	G1	4.2199664E+00				
(3S+,3D-)	F0	7.1254862E+00	G2	2.9305904E+00				
(3S+,3D+)	F0	6.9746482E+00	G2	2.9779275E+00				
(3S+,4S+)	F0	4.0154450E+00	G0	3.1660236E-01				
(3S+,4P-)	F0	4.0751080E+00	G1	3.1965801E-01				
(3S+,4P+)	F0	3.6442411E+00	G1	3.5569632E-01				

TABLE 1.– CONTINUED

FERMIUM 5F12 Z=100

(3S+,4D-)	F0	3.7292088E+00	G2	2.2301965E-01				
(3S+,4D+)	F0	3.6154516E+00	G2	2.1393317E-01				
(3S+,4F-)	F0	3.7923546E+00	G3	6.5535588E-01				
(3S+,4F+)	F0	3.7285462E+00	G3	6.2828777E-01				
(3S+,5S+)	F0	2.1334628E+00	G0	7.0397961E-02				
(3S+,5P-)	F0	2.0910807E+00	G1	7.0115915E-02				
(3S+,5P+)	F0	1.8461626E+00	G1	7.6113341E-02				
(3S+,5D-)	F0	1.7161063E+00	G2	4.5187604E-02				
(3S+,5D+)	F0	1.6534843E+00	G2	4.1562556E-02				
(3S+,5F-)	F0	1.2102617E+00	G3	6.7599447E-02				
(3S+,5F+)	F0	1.1660045E+00	G3	6.2380187E-02				
(3S+,6S+)	F0	9.8231530E-01	G0	1.3193570E-02				
(3S+,6P-)	F0	8.8458732E-01	G1	1.1020838E-02				
(3S+,6P+)	F0	7.2866142E-01	G1	9.9512604E-03				
(3S+,7S+)	F0	3.1411971E-01	G0	9.8265392E-04				
(3P-,3P-)	F0	7.4799200E+00						
(3P-,3P+)	F0	6.8403719E+00	G2	3.0544906E+00				
(3P-,3D-)	F0	7.3999706E+00	G1	4.1694254E+00				
(3P-,3D+)	F0	7.2250337E+00	G3	2.6153159E+00				
(3P-,4S+)	F0	4.0682642E+00	G1	3.8429455E-01				
(3P-,4P-)	F0	4.1389592E+00	G0	3.6497595E-01				
(3P-,4P+)	F0	3.6922405E+00	G2	3.5611609E-01				
(3P-,4D-)	F0	3.7780549E+00	G1	2.4532999E-01				
(3P-,4D+)	F0	3.6609810E+00	G3	2.4516735E-01				
(3P-,4F-)	F0	3.8112875E+00	G2	7.3148847E-01				
(3P-,4F+)	F0	3.7456440E+00	G4	4.5498422E-01				
(3P-,5S+)	F0	2.1475902E+00	G1	8.8663984E-02				
(3P-,5P-)	F0	2.1072354E+00	G0	7.8412279E-02				
(3P-,5P+)	F0	1.8581761E+00	G2	7.9994398E-02				
(3P-,5D-)	F0	1.7262975E+00	G1	4.5783938E-02				
(3P-,5D+)	F0	1.6628042E+00	G3	4.6941403E-02				
(3P-,5F-)	F0	1.2125051E+00	G2	7.6220013E-02				
(3P-,5F+)	F0	1.1679451E+00	G4	4.6081755E-02				
(3P-,6S+)	F0	9.8507685E-01	G1	1.6745779E-02				
(3P-,6P-)	F0	8.8720554E-01	G0	1.2276728E-02				
(3P-,6P+)	F0	7.3028259E-01	G2	1.0560295E-02				
(3P-,7S+)	F0	3.1432664E-01	G1	1.2485806E-03				
(3P+,3P+)	F0	6.3737992E+00	F2	3.1416250E+00				
(3P+,3D-)	F0	6.7804719E+00	F2	3.1471830E+00	G1	3.2475894E+00	G3	2.1626762E+00
(3P+,3D+)	F0	6.6491030E+00	F2	3.1637498E+00	G1	3.3664260E+00	G3	2.2421746E+00
(3P+,4S+)	F0	3.9494413E+00	G1	4.0226392E-01				
(3P+,4P-)	F0	4.0076954E+00	G2	4.1969490E-01				
(3P+,4P+)	F0	3.5921304E+00	F2	1.0624767E+00	G0	2.9350065E-01	G2	3.3688378E-01
(3P+,4D-)	F0	3.6726699E+00	F2	1.0887469E+00	G1	2.7186089E-01	G3	2.6982565E-01
(3P+,4D+)	F0	3.5618149E+00	F2	1.0281911E+00	G1	2.3515235E-01	G3	2.4671431E-01
(3P+,4F-)	F0	3.7515153E+00	F2	1.3733095E+00	G2	9.6605515E-01	G4	6.4305013E-01
(3P+,4F+)	F0	3.6908251E+00	F2	1.3270709E+00	G2	9.3627362E-01	G4	6.2388724E-01
(3P+,5S+)	F0	2.1160163E+00	G1	8.6911194E-02				
(3P+,5P-)	F0	2.0741941E+00	G2	8.9953608E-02				
(3P+,5P+)	F0	1.8333409E+00	F2	2.7566126E-01	G0	6.1293239E-02	G2	7.4708562E-02
(3P+,5D-)	F0	1.7044272E+00	F2	2.3854735E-01	G1	5.4797692E-02	G3	5.4500017E-02
(3P+,5D+)	F0	1.6425218E+00	F2	2.2195807E-01	G1	4.6637796E-02	G3	4.9105365E-02
(3P+,5F-)	F0	1.2057223E+00	F2	1.4419798E-01	G2	9.2640728E-02	G4	6.2794802E-02
(3P+,5F+)	F0	1.1619809E+00	F2	1.3374682E-01	G2	8.6682279E-02	G4	5.8777229E-02
(3P+,6S+)	F0	9.7891388E-01	G1	1.6215534E-02				

TABLE 1.– CONTINUED

FERMIUM 5F12 Z=100

(3P+,6P-)	F0	8.8185593E-01	G2	1.4088939E-02						
(3P+,6P+)	F0	7.2693690E-01	F2	3.9161886E-02	G0	7.9802372E-03	G2	9.8377483E-03		
(3P+,7S+)	F0	3.1386493E-01	G1	1.2070056E-03						
(3D-,3D-)	F0	7.4767463E+00	F2	3.7695444E+00						
(3D-,3D+)	F0	7.2959022E+00	F2	3.7007542E+00	G2	3.5697881E+00	G4	2.2988373E+00		
(3D-,4S+)	F0	4.0530034E+00	G2	3.6891637E-01						
(3D-,4P-)	F0	4.1171749E+00	G1	3.8759786E-01						
(3D-,4P+)	F0	3.6765952E+00	F2	9.5412889E-01	G1	3.0357173E-01	G3	2.9893090E-01		
(3D-,4D-)	F0	3.7920211E+00	F2	1.0382477E+00	G0	3.3798797E-01	G2	4.1403376E-01		
(3D-,4D+)	F0	3.6757014E+00	F2	9.8796919E-01	G2	3.8417822E-01	G4	2.9889354E-01		
(3D-,4F-)	F0	3.8086266E+00	F2	1.1507132E+00	G1	9.7811657E-01	G3	5.7748430E-01		
(3D-,4F+)	F0	3.7428037E+00	F2	1.1048967E+00	G3	5.3951010E-01	G5	3.7433310E-01		
(3D-,5S+)	F0	2.1433760E+00	G2	8.4889971E-02						
(3D-,5P-)	F0	2.1015091E+00	G1	8.2229781E-02						
(3D-,5P+)	F0	1.8547087E+00	F2	2.4521257E-01	G1	6.6124653E-02	G3	6.8247535E-02		
(3D-,5D-)	F0	1.7290575E+00	F2	2.2406933E-01	G0	6.0481600E-02	G2	7.9936652E-02		
(3D-,5D+)	F0	1.6657591E+00	F2	2.1018309E-01	G2	7.3162077E-02	G4	5.8498626E-02		
(3D-,5F-)	F0	1.2123459E+00	F2	1.2222206E-01	G1	9.7864826E-02	G3	5.9081693E-02		
(3D-,5F+)	F0	1.1677569E+00	F2	1.1256199E-01	G3	5.2965869E-02	G5	3.7076339E-02		
(3D-,6S+)	F0	9.8424648E-01	G2	1.6049831E-02						
(3D-,6P-)	F0	8.8626965E-01	G1	1.2855564E-02						
(3D-,6P+)	F0	7.2981306E-01	F2	3.4524611E-02	G1	8.6771445E-03	G3	9.0390974E-03		
(3D-,7S+)	F0	3.1426435E-01	G2	1.1969119E-03						
(3D+,3D+)	F0	7.1316397E+00	F2	3.6509896E+00	F4	2.3529268E+00				
(3D+,4S+)	F0	4.0186409E+00	G2	3.8241292E-01						
(3D+,4P-)	F0	4.0792837E+00	G3	3.9426944E-01						
(3D+,4P+)	F0	3.6489762E+00	F2	9.8575082E-01	G1	3.0581973E-01	G3	3.0895853E-01		
(3D+,4D-)	F0	3.7582172E+00	F2	1.0631766E+00	G2	3.9379869E-01	G4	3.1303904E-01		
(3D+,4D+)	F0	3.6447055E+00	F2	1.0116606E+00	F4	4.9736822E-01	G0	3.1437520E-01	G2	3.9644182E-01	G4	3.1183488E-01
(3D+,4F-)	F0	3.7943697E+00	F2	1.2119762E+00	F4	6.4357881E-01	G1	1.0304791E+00	G3	6.1084004E-01	G5	4.2390666E-01
(3D+,4F+)	F0	3.7297911E+00	F2	1.1654449E+00	F4	6.1241147E-01	G1	1.0077618E+00	G3	5.9753170E-01	G5	4.1471522E-01
(3D+,5S+)	F0	2.1341977E+00	G2	8.6325010E-02						
(3D+,5P-)	F0	2.0919264E+00	G3	8.7250247E-02						
(3D+,5P+)	F0	1.8473144E+00	F2	2.5394657E-01	G1	6.6034465E-02	G3	7.0077391E-02		
(3D+,5D-)	F0	1.7219695E+00	F2	2.3008414E-01	G2	7.5453772E-02	G4	6.1792947E-02		
(3D+,5D+)	F0	1.6593459E+00	F2	2.1579608E-01	F4	9.6268757E-02	G0	5.5307466E-02	G2	7.5292045E-02	G4	6.0913836E-02
(3D+,5F-)	F0	1.2107215E+00	F2	1.2849435E-01	F4	6.1590475E-02	G1	1.0082264E-01	G3	6.1271223E-02	G5	4.2952408E-02
(3D+,5F+)	F0	1.1663369E+00	F2	1.1852417E-01	F4	5.6268418E-02	G1	9.5224038E-02	G3	5.7814056E-02	G5	4.0513817E-02
(3D+,6S+)	F0	9.8245280E-01	G2	1.6266656E-02						
(3D+,6P-)	F0	8.8471659E-01	G3	1.3761801E-02						
(3D+,6P+)	F0	7.2881571E-01	F2	3.5840596E-02	G1	8.6518496E-03	G3	9.2703286E-03		
(3D+,7S+)	F0	3.1412995E-01	G2	1.2125242E-03						
(4S+,4S+)	F0	3.2092832E+00								
(4S+,4P-)	F0	3.2288446E+00	G1	2.1414618E+00						
(4S+,4P+)	F0	3.0067996E+00	G1	1.9249774E+00						
(4S+,4D-)	F0	3.0455693E+00	G2	1.4950235E+00						
(4S+,4D+)	F0	2.9843108E+00	G2	1.4509862E+00						
(4S+,4F-)	F0	3.0820479E+00	G3	1.1076751E+00						
(4S+,4F+)	F0	3.0543979E+00	G3	1.1067415E+00						
(4S+,5S+)	F0	1.9380026E+00	G0	1.2897991E-01						
(4S+,5P-)	F0	1.8968564E+00	G1	1.4542559E-01						
(4S+,5P+)	F0	1.6967265E+00	G1	1.6555859E-01						
(4S+,5D-)	F0	1.5811759E+00	G2	1.1802635E-01						
(4S+,5D+)	F0	1.5295548E+00	G2	1.2215695E-01						
(4S+,5F-)	F0	1.1430371E+00	G3	4.1005772E-02						

TABLE 1.– CONTINUED

FERMIUM 5F12 Z=100

(4S+,5F+)	F0	1.1046469E+00	G3	4.0297619E-02					
(4S+,6S+)	F0	9.4465876E-01	G0	2.0519778E-02					
(4S+,6P-)	F0	8.5352280E-01	G1	2.0088785E-02					
(4S+,6P+)	F0	7.0869070E-01	G1	1.9365658E-02					
(4S+,7S+)	F0	3.1130359E-01	G0	1.4959300E-03					
(4P-,4P-)	F0	3.2517383E+00							
(4P-,4P+)	F0	3.0217534E+00	G2	1.4324408E+00					
(4P-,4D-)	F0	3.0623191E+00	G1	1.9515952E+00					
(4P-,4D+)	F0	2.9992225E+00	G3	1.1715668E+00					
(4P-,4F-)	F0	3.0980972E+00	G2	1.3596956E+00					
(4P-,4F+)	F0	3.0696837E+00	G4	9.5550581E-01					
(4P-,5S+)	F0	1.9427231E+00	G1	1.6931720E-01					
(4P-,5P-)	F0	1.9021124E+00	G0	1.3167209E-01					
(4P-,5P+)	F0	1.7004543E+00	G2	1.4988726E-01					
(4P-,5D-)	F0	1.5846167E+00	G1	1.3728872E-01					
(4P-,5D+)	F0	1.5326493E+00	G3	1.1426535E-01					
(4P-,5F-)	F0	1.1445165E+00	G2	4.6567185E-02					
(4P-,5F+)	F0	1.1060111E+00	G4	3.9863041E-02					
(4P-,6S+)	F0	9.4556706E-01	G1	2.7728064E-02					
(4P-,6P-)	F0	8.5436178E-01	G0	1.7751483E-02					
(4P-,6P+)	F0	7.0919075E-01	G2	1.8022233E-02					
(4P-,7S+)	F0	3.1137150E-01	G1	2.0288586E-03					
(4P+,4P+)	F0	2.8469444E+00	F2	1.4767066E+00					
(4P+,4D-)	F0	2.8738869E+00	F2	1.4608554E+00	G1	1.7922215E+00	G3	1.1449806E+00	
(4P+,4D+)	F0	2.8244219E+00	F2	1.4432130E+00	G1	1.8013805E+00	G3	1.1457162E+00	
(4P+,4F-)	F0	2.8935194E+00	F2	1.4421001E+00	G2	1.1574828E+00	G4	8.3831712E-01	
(4P+,4F+)	F0	2.8711711E+00	F2	1.4400727E+00	G2	1.1688177E+00	G4	8.4545217E-01	
(4P+,5S+)	F0	1.8959554E+00	G1	1.9640425E-01					
(4P+,5P-)	F0	1.8565371E+00	G2	1.8458625E-01					
(4P+,5P+)	F0	1.6651148E+00	F2	5.2270607E-01	G0	1.1017857E-01	G2	1.4018560E-01	
(4P+,5D-)	F0	1.5530169E+00	F2	4.4563873E-01	G1	9.5043900E-02	G3	9.8225257E-02	
(4P+,5D+)	F0	1.5032549E+00	F2	4.1742903E-01	G1	9.7407657E-02	G3	9.6206266E-02	
(4P+,5F-)	F0	1.1287506E+00	F2	2.3239564E-01	G2	3.4883337E-02	G4	3.3996309E-02	
(4P+,5F+)	F0	1.0912703E+00	F2	2.1791234E-01	G2	3.3170992E-02	G4	3.2286702E-02	
(4P+,6S+)	F0	9.3673669E-01	G1	2.9357842E-02					
(4P+,6P-)	F0	8.4720164E-01	G2	2.4797974E-02					
(4P+,6P+)	F0	7.0454433E-01	F2	8.1923013E-02	G0	1.2448548E-02	G2	1.6647508E-02	
(4P+,7S+)	F0	3.1071287E-01	G1	2.1269324E-03					
(4D-,4D-)	F0	2.9110721E+00	F2	1.4721433E+00					
(4D-,4D+)	F0	2.8581074E+00	F2	1.4469434E+00	G2	1.4335125E+00	G4	9.6931104E-01	
(4D-,4F-)	F0	2.9312017E+00	F2	1.4543314E+00	G1	1.5766147E+00	G3	1.0551386E+00	
(4D-,4F+)	F0	2.9073678E+00	F2	1.4504045E+00	G3	1.0510348E+00	G5	7.6193166E-01	
(4D-,5S+)	F0	1.9036249E+00	G2	2.1488973E-01					
(4D-,5P-)	F0	1.8640751E+00	G1	1.9610293E-01					
(4D-,5P+)	F0	1.6709896E+00	F2	5.1413538E-01	G1	1.3905632E-01	G3	1.3969925E-01	
(4D-,5D-)	F0	1.5598856E+00	F2	4.4321417E-01	G0	1.0622342E-01	G2	1.2884841E-01	
(4D-,5D+)	F0	1.5096342E+00	F2	4.1502730E-01	G2	1.2266779E-01	G4	1.0340265E-01	
(4D-,5F-)	F0	1.1318541E+00	F2	2.2993736E-01	G1	3.9380424E-02	G3	4.4037556E-02	
(4D-,5F+)	F0	1.0941684E+00	F2	2.1571729E-01	G3	4.1518812E-02	G5	3.5299470E-02	
(4D-,6S+)	F0	9.3821422E-01	G2	3.2133289E-02					
(4D-,6P-)	F0	8.4840015E-01	G1	2.4299776E-02					
(4D-,6P+)	F0	7.0532258E-01	F2	8.0447394E-02	G1	1.5924868E-02	G3	1.6663926E-02	
(4D-,7S+)	F0	3.1082331E-01	G2	2.3312810E-03					
(4D+,4D+)	F0	2.8088325E+00	F2	1.4277262E+00	F4	9.6483914E-01			
(4D+,4F-)	F0	2.8752881E+00	F2	1.4180228E+00	F4	9.1546043E-01	G1	1.4931726E+00	G3 1.0068269E+00 G5 7.3245517E-01

TABLE 1.– CONTINUED

FERMIUM 5F12 Z=100

(4D+,4F+)	F0	2.8529872E+00	F2	1.4158986E+00	F4	9.1689415E-01	G1	1.5101717E+00	G3	1.0173383E+00	G5	7.3988554E-01			
(4D+,5S+)	F0	1.8902983E+00	G2	2.3291860E-01											
(4D+,5P-)	F0	1.8511763E+00	G3	2.0692950E-01											
(4D+,5P+)	F0	1.6610227E+00	F2	5.2859095E-01	G1	1.4256483E-01	G3	1.4484358E-01							
(4D+,5D-)	F0	1.5510169E+00	F2	4.5529461E-01	G2	1.2780871E-01	G4	1.1027090E-01							
(4D+,5D+)	F0	1.5014294E+00	F2	4.2636025E-01	F4	2.0702016E-01	G0	1.0011317E-01	G2	1.2285245E-01	G4	1.0475231E-01			
(4D+,5F-)	F0	1.1275855E+00	F2	2.3696510E-01	F4	9.8530024E-02	G1	3.8882341E-02	G3	4.3462824E-02	G5	3.7297686E-02			
(4D+,5F+)	F0	1.0901799E+00	F2	2.2220665E-01	F4	9.1778907E-02	G1	3.6736827E-02	G3	4.1102597E-02	G5	3.5246608E-02			
(4D+,6S+)	F0	9.3571736E-01	G2	3.3567787E-02											
(4D+,6P-)	F0	8.4638542E-01	G3	2.6878263E-02											
(4D+,6P+)	F0	7.0401445E-01	F2	8.3311208E-02	G1	1.6069947E-02	G3	1.7084821E-02							
(4D+,7S+)	F0	3.1063722E-01	G2	2.4268315E-03											
(4F-,4F-)	F0	2.9992040E+00	F2	1.5578741E+00	F4	1.0088492E+00									
(4F-,4F+)	F0	2.9729735E+00	F2	1.5465046E+00	F4	1.0019798E+00	G2	1.5282997E+00	G4	9.9072400E-01	G6	7.2266649E-01			
(4F-,5S+)	F0	1.9084233E+00	G3	2.1457787E-01											
(4F-,5P-)	F0	1.8682458E+00	G2	2.1279778E-01											
(4F-,5P+)	F0	1.6744290E+00	F2	5.0432028E-01	G2	1.4354909E-01	G4	1.3514079E-01							
(4F-,5D-)	F0	1.5628048E+00	F2	4.3511072E-01	G1	1.2133009E-01	G3	1.2896880E-01							
(4F-,5D+)	F0	1.5124277E+00	F2	4.0701882E-01	F4	1.9755084E-01	G1	1.1080153E-01	G3	1.1792555E-01	G5	9.9365350E-02			
(4F-,5F-)	F0	1.1374399E+00	F2	2.3608197E-01	F4	1.0492443E-01	G0	6.3499818E-02	G2	8.0102267E-02	G4	6.2887068E-02			
(4F-,5F+)	F0	1.0994553E+00	F2	2.2156405E-01	F4	9.7962680E-02	G2	7.4556892E-02	G4	5.8388474E-02	G6	4.5742124E-02			
(4F-,6S+)	F0	9.3918706E-01	G3	3.1103766E-02											
(4F-,6P-)	F0	8.4909038E-01	G2	2.5243511E-02											
(4F-,6P+)	F0	7.0578134E-01	F2	7.8861188E-02	G2	1.5934716E-02	G4	1.5779676E-02							
(4F-,7S+)	F0	3.1089618E-01	G3	2.2570124E-03											
(4F+,4F+)	F0	2.9476048E+00	F2	1.5362105E+00	F4	9.9595248E-01	F6	7.2651108E-01							
(4F+,5S+)	F0	1.9020215E+00	G3	2.2101364E-01											
(4F+,5P-)	F0	1.8620611E+00	G4	1.9654637E-01											
(4F+,5P+)	F0	1.6696864E+00	F2	5.1125915E-01	G2	1.4738188E-01	G4	1.3851173E-01							
(4F+,5D-)	F0	1.5585898E+00	F2	4.4111530E-01	G3	1.3035151E-01	G5	1.0969165E-01							
(4F+,5D+)	F0	1.5085241E+00	F2	4.1267819E-01	F4	2.0122477E-01	G1	1.1280364E-01	G3	1.2045930E-01	G5	1.0158553E-01			
(4F+,5F-)	F0	1.1352749E+00	F2	2.3917757E-01	F4	1.0639717E-01	G2	7.8848629E-02	G4	6.2326805E-02	G6	4.8975416E-02			
(4F+,5F+)	F0	1.0974492E+00	F2	2.2447797E-01	F4	9.9301566E-02	F6	6.1860433E-02	G0	5.9436219E-02	G2	7.5370987E-02			
(4F+,6S+)	F0	9.3799343E-01	G3	3.1588231E-02											
(4F+,6P-)	F0	8.4812879E-01	G4	2.5105398E-02											
(4F+,6P+)	F0	7.0515923E-01	F2	8.0223493E-02	G2	1.6190730E-02	G4	1.6057021E-02							
(4F+,7S+)	F0	3.1080723E-01	G3	2.2894955E-03											
(5S+,5S+)	F0	1.5802566E+00													
(5S+,5P-)	F0	1.5576355E+00	G1	1.0733866E+00											
(5S+,5P+)	F0	1.4451156E+00	G1	8.9575606E-01											
(5S+,5D-)	F0	1.3687755E+00	G2	6.1179271E-01											
(5S+,5D+)	F0	1.3340970E+00	G2	5.5381402E-01											
(5S+,5F-)	F0	1.0446814E+00	G3	2.4536457E-01											
(5S+,5F+)	F0	1.0134435E+00	G3	2.2477042E-01											
(5S+,6S+)	F0	8.8296057E-01	G0	4.4730555E-02											
(5S+,6P-)	F0	8.0444398E-01	G1	4.9586414E-02											
(5S+,6P+)	F0	6.7711946E-01	G1	4.8191424E-02											
(5S+,7S+)	F0	3.0673653E-01	G0	2.9530594E-03											
(5P-,5P-)	F0	1.5362508E+00													
(5P-,5P+)	F0	1.4287287E+00	G2	7.0094858E-01											
(5P-,5D-)	F0	1.3550599E+00	G1	8.0845047E-01											
(5P-,5D+)	F0	1.3215671E+00	G3	4.7060419E-01											
(5P-,5F-)	F0	1.0383539E+00	G2	3.1942754E-01											
(5P-,5F+)	F0	1.0076315E+00	G4	2.0054748E-01											
(5P-,6S+)	F0	8.7960289E-01	G1	6.2411240E-02											

TABLE 1.– CONTINUED

FERMIUM 5F12 Z=100

(5P-,5P-)	F0	8.0183350E-01	G0	3.8236494E-02						
(5P-,6P+)	F0	6.7537119E-01	G2	4.1013421E-02						
(5P-,7S+)	F0	3.0649120E-01	G1	4.1510189E-03						
(5P+,5P+)	F0	1.3469996E+00	F2	7.2262029E-01						
(5P+,5D-)	F0	1.2861486E+00	F2	6.7883715E-01	G1	8.6355657E-01	G3	5.4601031E-01		
(5P+,5D+)	F0	1.2587276E+00	F2	6.5976420E-01	G1	8.3271814E-01	G3	5.2552773E-01		
(5P+,5F-)	F0	1.0065026E+00	F2	4.5635532E-01	G2	3.8878338E-01	G4	2.6523305E-01		
(5P+,5F+)	F0	9.7838785E-01	F2	4.3459047E-01	G2	3.6392794E-01	G4	2.4811083E-01		
(5P+,6S+)	F0	8.6244741E-01	G1	8.7839204E-02						
(5P+,6P-)	F0	7.8835712E-01	G2	6.2088725E-02						
(5P+,6P+)	F0	6.6656542E-01	F2	1.7571507E-01	G0	2.8592140E-02	G2	3.8636425E-02		
(5P+,7S+)	F0	3.0524035E-01	G1	5.3091047E-03						
(5D-,5D-)	F0	1.2337261E+00	F2	6.4965042E-01						
(5D-,5D+)	F0	1.2099012E+00	F2	6.3645665E-01	G2	6.3362058E-01	G4	4.3244868E-01		
(5D-,5F-)	F0	9.8006924E-01	F2	4.6113338E-01	G1	5.4912461E-01	G3	3.3939760E-01		
(5D-,5F+)	F0	9.5390350E-01	F2	4.4126115E-01	G3	3.1992476E-01	G5	2.2846613E-01		
(5D-,6S+)	F0	8.4900334E-01	G2	1.3287937E-01						
(5D-,6P-)	F0	7.7807494E-01	G1	9.8985763E-02						
(5D-,6P+)	F0	6.6005322E-01	F2	1.9277606E-01	G1	4.6714273E-02	G3	4.6500188E-02		
(5D-,7S+)	F0	3.0428679E-01	G2	7.2043343E-03						
(5D+,5D+)	F0	1.1877635E+00	F2	6.2614848E-01	F4	4.2702015E-01				
(5D+,5F-)	F0	9.6805673E-01	F2	4.6319115E-01	F4	3.0372967E-01	G1	5.5941565E-01	G3	3.4613061E-01	G5	2.4716922E-01
(5D+,5F+)	F0	9.4277939E-01	F2	4.4418933E-01	F4	2.8658778E-01	G1	5.3148302E-01	G3	3.2833691E-01	G5	2.3434374E-01
(5D+,6S+)	F0	8.4278047E-01	G2	1.5123726E-01						
(5D+,6P-)	F0	7.7329380E-01	G3	9.8939669E-02						
(5D+,6P+)	F0	6.5704262E-01	F2	2.0031764E-01	G1	5.2465582E-02	G3	5.0975447E-02		
(5D+,7S+)	F0	3.0384855E-01	G2	7.8453567E-03						
(5F-,5F-)	F0	8.2996014E-01	F2	4.0442960E-01	F4	2.6239890E-01				
(5F-,5F+)	F0	8.1255619E-01	F2	3.9433336E-01	F4	2.5537308E-01	G2	3.9363350E-01	G4	2.5501818E-01	G6	1.8663541E-01
(5F-,6S+)	F0	7.5494972E-01	G3	2.2763001E-01						
(5F-,6P-)	F0	7.0362375E-01	G2	2.3205531E-01						
(5F-,6P+)	F0	6.1278056E-01	F2	2.5148668E-01	G2	1.5421673E-01	G4	1.1381530E-01		
(5F-,7S+)	F0	2.9797942E-01	G3	1.3837968E-02						
(5F+,5F+)	F0	7.9598381E-01	F2	3.8515887E-01	F4	2.4907156E-01	F6	1.8213509E-01		
(5F+,6S+)	F0	7.4236908E-01	G3	2.3000417E-01						
(5F+,6P-)	F0	6.9319663E-01	G4	1.7061677E-01						
(5F+,6P+)	F0	6.0563589E-01	F2	2.5369235E-01	G2	1.6236160E-01	G4	1.1868084E-01		
(5F+,7S+)	F0	2.9698404E-01	G3	1.5522387E-02						
(6S+,6S+)	F0	7.1532720E-01								
(6S+,6P-)	F0	6.7477421E-01	G1	4.6352346E-01						
(6S+,6P+)	F0	5.9753129E-01	G1	3.3218661E-01						
(6S+,7S+)	F0	2.9571997E-01	G0	9.2077530E-03						
(6P-,6P-)	F0	6.4129692E-01								
(6P-,6P+)	F0	5.7551252E-01	G2	2.8309643E-01						
(6P-,7S+)	F0	2.9328910E-01	G1	1.5664171E-02						
(6P+,6P+)	F0	5.2951685E-01	F2	2.8661072E-01						
(6P+,7S+)	F0	2.8812285E-01	G1	3.4574774E-02						
(7S+,7S+)	F0	2.3040056E-01								

TABLE 1.– CONTINUED

MENDELEVIUM 5F13 Z=101

(1S+,1S+)	F0	8.1936178E+01		
(1S+,2S+)	F0	2.8063231E+01	G0	3.9983166E+00
(1S+,2P-)	F0	3.4006149E+01	G1	4.9700699E+00
(1S+,2P+)	F0	2.4873377E+01	G1	3.6876919E+00
(1S+,3S+)	F0	1.1291889E+01	G0	8.3806803E-01
(1S+,3P-)	F0	1.2534273E+01	G1	1.0180428E+00
(1S+,3P+)	F0	1.0053649E+01	G1	8.9396336E-01
(1S+,3D-)	F0	1.0101761E+01	G2	2.9400608E-02
(1S+,3D+)	F0	9.5050952E+00	G2	3.6219156E-02
(1S+,4S+)	F0	5.1886313E+00	G0	2.2863083E-01
(1S+,4P-)	F0	5.4556334E+00	G1	2.7010555E-01
(1S+,4P+)	F0	4.5473180E+00	G1	2.4380739E-01
(1S+,4D-)	F0	4.4173830E+00	G2	9.1785500E-03
(1S+,4D+)	F0	4.2057911E+00	G2	1.1419886E-02
(1S+,4F-)	F0	3.9726486E+00	G3	4.2435261E-05
(1S+,4F+)	F0	3.8929674E+00	G3	6.1301391E-05
(1S+,5S+)	F0	2.4800321E+00	G0	6.3374220E-02
(1S+,5P-)	F0	2.4764937E+00	G1	7.1163948E-02
(1S+,5P+)	F0	2.0963442E+00	G1	6.3299518E-02
(1S+,5D-)	F0	1.6871980E+00	G2	2.1260255E-03
(1S+,5D+)	F0	1.7997630E+00	G2	2.6108691E-03
(1S+,5F-)	F0	1.2622087E+00	G3	5.9412948E-06
(1S+,5F+)	F0	1.2139922E+00	G3	8.1933960E-06
(1S+,6S+)	F0	1.0612503E+00	G0	1.2454577E-02
(1S+,6P-)	F0	9.5814908E-01	G1	1.1589697E-02
(1S+,6P+)	F0	7.6728287E-01	G1	8.4811843E-03
(1S+,7S+)	F0	3.2236472E-01	G0	9.1380574E-04
(2S+,2S+)	F0	1.8768597E+01		
(2S+,2P-)	F0	2.0623744E+01	G1	9.8114892E+00
(2S+,2P+)	F0	1.8256583E+01	G1	1.0382239E+01
(2S+,3S+)	F0	9.3046059E+00	G0	9.3620305E-01
(2S+,3P-)	F0	9.9684102E+00	G1	8.2653060E-01
(2S+,3P+)	F0	8.6494528E+00	G1	7.1441062E-01
(2S+,3D-)	F0	9.7052108E+00	G2	1.9682447E+00
(2S+,3D+)	F0	9.2298542E+00	G2	1.8072308E+00
(2S+,4S+)	F0	4.6399511E+00	G0	2.1914612E-01
(2S+,4P-)	F0	4.7759171E+00	G1	1.9805916E-01
(2S+,4P+)	F0	4.1720134E+00	G1	1.6331031E-01
(2S+,4D-)	F0	4.3036851E+00	G2	4.5142426E-01
(2S+,4D+)	F0	4.1265911E+00	G2	4.2495109E-01
(2S+,4F-)	F0	3.9697249E+00	G3	3.1959100E-02
(2S+,4F+)	F0	3.8907480E+00	G3	3.0755012E-02
(2S+,5S+)	F0	2.3273965E+00	G0	5.8472212E-02
(2S+,5P-)	F0	2.2973913E+00	G1	5.0902663E-02
(2S+,5P+)	F0	1.9993730E+00	G1	4.0634663E-02
(2S+,5D-)	F0	1.8613599E+00	G2	9.7508856E-02
(2S+,5D+)	F0	1.7820257E+00	G2	9.0886909E-02
(2S+,5F-)	F0	1.2618086E+00	G3	4.2446957E-03
(2S+,5F+)	F0	1.2137026E+00	G3	3.9043480E-03
(2S+,6S+)	F0	1.0312254E+00	G0	1.1382074E-02
(2S+,6P-)	F0	9.2897900E-01	G1	8.2422971E-03
(2S+,6P+)	F0	7.5430363E-01	G1	5.3948166E-03
(2S+,7S+)	F0	3.2016146E-01	G0	8.3395945E-04
(2P-,2P-)	F0	2.3817893E+01		
(2P-,2P+)	F0	2.0282379E+01	G2	7.9435580E+00

TABLE 1.– CONTINUED

MENDELEVIUM 5F13 Z=101

(2P-,3S+)	F0 9.6600587E+00	G1 9.3982034E-01				
(2P-,3P-)	F0 1.0495700E+01	G0 1.3071685E+00				
(2P-,3P+)	F0 9.0397929E+00	G2 9.3714711E-01				
(2P-,3D-)	F0 9.8663502E+00	G1 1.9281046E+00				
(2P-,3D+)	F0 9.3470889E+00	G3 9.0926820E-01				
(2P-,4S+)	F0 4.7364499E+00	G1 2.2952684E-01				
(2P-,4P-)	F0 4.9122209E+00	G0 2.9828370E-01				
(2P-,4P+)	F0 4.2744461E+00	G2 2.2776560E-01				
(2P-,4D-)	F0 4.3488482E+00	G1 4.6385070E-01				
(2P-,4D+)	F0 4.1597166E+00	G3 2.2561622E-01				
(2P-,4F-)	F0 3.9711305E+00	G2 2.3230311E-02				
(2P-,4F+)	F0 3.8918324E+00	G4 1.3478908E-02				
(2P-,5S+)	F0 2.3541258E+00	G1 6.1853602E-02				
(2P-,5P-)	F0 2.3330866E+00	G0 7.5742075E-02				
(2P-,5P+)	F0 2.0257168E+00	G2 5.7462479E-02				
(2P-,5D-)	F0 1.8715687E+00	G1 1.0133645E-01				
(2P-,5D+)	F0 1.7894128E+00	G3 4.8872087E-02				
(2P-,5F-)	F0 1.2620005E+00	G2 3.0985355E-03				
(2P-,5F+)	F0 1.2138438E+00	G4 1.7187643E-03				
(2P-,6S+)	F0 1.0364776E+00	G1 1.2359778E-02				
(2P-,6P-)	F0 9.3478428E-01	G0 1.2229925E-02				
(2P-,6P+)	F0 7.5782607E-01	G2 7.6513187E-03				
(2P-,7S+)	F0 3.2054681E-01	G1 8.8466005E-04				
(2P+,2P+)	F0 1.8116309E+01	F2 8.5637353E+00				
(2P+,3S+)	F0 9.1970000E+00	G1 9.3684981E-01				
(2P+,3P-)	F0 9.8825461E+00	G2 1.0845623E+00				
(2P+,3P+)	F0 8.6262136E+00	F2 2.1973384E+00	G0 8.9345561E-01	G2 9.6766803E-01		
(2P+,3D-)	F0 9.6661638E+00	F2 3.0701766E+00	G1 2.6674149E+00	G3 1.5333282E+00		
(2P+,3D+)	F0 9.1964121E+00	F2 2.7539183E+00	G1 2.5714393E+00	G3 1.4797729E+00		
(2P+,4S+)	F0 4.6101808E+00	G1 2.1788890E-01				
(2P+,4P-)	F0 4.7520757E+00	G2 2.5021830E-01				
(2P+,4P+)	F0 4.1656500E+00	F2 5.7073733E-01	G0 2.0022823E-01	G2 2.3319220E-01		
(2P+,4D-)	F0 4.2947323E+00	F2 6.9310775E-01	G1 5.6854317E-01	G3 3.3848463E-01		
(2P+,4D+)	F0 4.1186736E+00	F2 6.2704642E-01	G1 5.6871833E-01	G3 3.3763653E-01		
(2P+,4F-)	F0 3.9687813E+00	F2 3.2441272E-01	G2 5.0003134E-02	G4 3.2297627E-02		
(2P+,4F+)	F0 3.8899531E+00	F2 3.0347543E-01	G2 4.9309166E-02	G4 3.1839210E-02		
(2P+,5S+)	F0 2.3191089E+00	G1 5.8082000E-02				
(2P+,5P-)	F0 2.2910353E+00	G2 6.3792070E-02				
(2P+,5P+)	F0 1.9977160E+00	F2 1.4579931E-01	G0 4.9467278E-02	G2 5.8704877E-02		
(2P+,5D-)	F0 1.8594263E+00	F2 1.4950855E-01	G1 1.2109732E-01	G3 7.2685530E-02		
(2P+,5D+)	F0 1.7803293E+00	F2 1.3352769E-01	G1 1.2023876E-01	G3 7.1897931E-02		
(2P+,5F-)	F0 1.2616832E+00	F2 3.7104632E-02	G2 6.5384230E-03	G4 4.2324603E-03		
(2P+,5F+)	F0 1.2136016E+00	F2 3.3177369E-02	G2 6.1709564E-03	G4 3.9928918E-03		
(2P+,6S+)	F0 1.0295949E+00	G1 1.1303669E-02				
(2P+,6P-)	F0 9.2794100E-01	G2 1.0310562E-02				
(2P+,6P+)	F0 7.5408144E-01	F2 1.9711247E-02	G0 6.5570214E-03	G2 7.8130779E-03		
(2P+,7S+)	F0 3.2004181E-01	G1 8.2818921E-04				
(3S+,3S+)	F0 7.6624939E+00					
(3S+,3P-)	F0 7.3020599E+00	G1 4.4280658E+00				
(3S+,3P+)	F0 6.7273208E+00	G1 4.2711837E+00				
(3S+,3D-)	F0 7.2309185E+00	G2 2.9788175E+00				
(3S+,3D+)	F0 7.0737756E+00	G2 3.0264129E+00				
(3S+,4S+)	F0 4.0835515E+00	G0 3.2343752E-01				
(3S+,4P-)	F0 4.1467427E+00	G1 3.2582337E-01				
(3S+,4P+)	F0 3.6982130E+00	G1 3.6437812E-01				

TABLE 1.– CONTINUED

MENDELEVIUM 5F13 Z=101

(3S+,4D-)	F0	3.7879302E+00	G2	2.2681920E-01		
(3S+,4D+)	F0	3.6703581E+00	G2	2.1815587E-01		
(3S+,4F-)	F0	3.8555648E+00	G3	6.6575804E-01		
(3S+,4F+)	F0	3.7894947E+00	G3	6.3783696E-01		
(3S+,5S+)	F0	2.1754864E+00	G0	7.2422295E-02		
(3S+,5P-)	F0	2.1346708E+00	G1	7.2048922E-02		
(3S+,5P+)	F0	1.8788011E+00	G1	7.8533537E-02		
(3S+,5D-)	F0	1.7506897E+00	G2	4.6367634E-02		
(3S+,5D+)	F0	1.6854104E+00	G2	4.2688762E-02		
(3S+,5F-)	F0	1.2475491E+00	G3	7.0914413E-02		
(3S+,5F+)	F0	1.2016088E+00	G3	6.5397131E-02		
(3S+,6S+)	F0	1.0014757E+00	G0	1.3553225E-02		
(3S+,6P-)	F0	9.0258435E-01	G1	1.1298572E-02		
(3S+,6P+)	F0	7.3821635E-01	G1	1.0132060E-02		
(3S+,7S+)	F0	3.1797978E-01	G0	9.8751014E-04		
(3P-,3P-)	F0	7.6081049E+00				
(3P-,3P+)	F0	6.9382541E+00	G2	3.0816964E+00		
(3P-,3D-)	F0	7.5112674E+00	G1	4.2395431E+00		
(3P-,3D+)	F0	7.3288846E+00	G3	2.6537248E+00		
(3P-,4S+)	F0	4.1380609E+00	G1	3.9157322E-01		
(3P-,4P-)	F0	4.2127334E+00	G0	3.7358543E-01		
(3P-,4P+)	F0	3.7474422E+00	G2	3.6260893E-01		
(3P-,4D-)	F0	3.8382174E+00	G1	2.5132202E-01		
(3P-,4D+)	F0	3.7171579E+00	G3	2.5052943E-01		
(3P-,4F-)	F0	3.8750017E+00	G2	7.4215024E-01		
(3P-,4F+)	F0	3.8070081E+00	G4	4.6099991E-01		
(3P-,5S+)	F0	2.1901783E+00	G1	9.0976970E-02		
(3P-,5P-)	F0	2.1515156E+00	G0	8.0929753E-02		
(3P-,5P+)	F0	1.8912234E+00	G2	8.2069031E-02		
(3P-,5D-)	F0	1.7612370E+00	G1	4.7276116E-02		
(3P-,5D+)	F0	1.6950921E+00	G3	4.8382664E-02		
(3P-,5F-)	F0	1.2499312E+00	G2	7.9887229E-02		
(3P-,5F+)	F0	1.2036646E+00	G4	4.8237554E-02		
(3P-,6S+)	F0	1.0043445E+00	G1	1.7158077E-02		
(3P-,6P-)	F0	9.0530912E-01	G0	1.2641998E-02		
(3P-,6P+)	F0	7.3987101E-01	G2	1.0692181E-02		
(3P-,7S+)	F0	3.1819007E-01	G1	1.2515196E-03		
(3P+,3P+)	F0	6.4537568E+00	F2	3.1793133E+00		
(3P+,3D-)	F0	6.8668957E+00	F2	3.1849265E+00	G1	3.2829773E+00	G3	2.1965092E+00
(3P+,3D+)	F0	6.7309333E+00	F2	3.2020972E+00	G1	3.4060257E+00	G3	2.2688624E+00
(3P+,4S+)	F0	4.0132659E+00	G1	4.1170192E-01		
(3P+,4P-)	F0	4.0746759E+00	G2	4.3065870E-01		
(3P+,4P+)	F0	3.6428490E+00	F2	1.0789015E+00	G0	2.9867326E-01	G2	3.4246233E-01
(3P+,4D-)	F0	3.7278533E+00	F2	1.1075407E+00	G1	2.7741645E-01	G3	2.7499859E-01
(3P+,4D+)	F0	3.6134240E+00	F2	1.0449771E+00	G1	2.3920217E-01	G3	2.5099822E-01
(3P+,4F-)	F0	3.8123680E+00	F2	1.4006882E+00	G2	9.8760393E-01	G4	6.5747512E-01
(3P+,4F+)	F0	3.7496658E+00	F2	1.3528369E+00	G2	9.5688395E-01	G4	6.3771796E-01
(3P+,5S+)	F0	2.1567650E+00	G1	8.9297023E-02		
(3P+,5P-)	F0	2.1164562E+00	G2	9.2800669E-02		
(3P+,5P+)	F0	1.8650678E+00	F2	2.8196060E-01	G0	6.2797257E-02	G2	7.6485828E-02
(3P+,5D-)	F0	1.7380786E+00	F2	2.4520901E-01	G1	5.6521512E-02	G3	5.6140171E-02
(3P+,5D+)	F0	1.6736539E+00	F2	2.2781573E-01	G1	4.7927051E-02	G3	5.0462032E-02
(3P+,5F-)	F0	1.2425862E+00	F2	1.5148414E-01	G2	9.7490729E-02	G4	6.6117524E-02
(3P+,5F+)	F0	1.1972177E+00	F2	1.4042895E-01	G2	9.1210975E-02	G4	6.1881159E-02
(3P+,6S+)	F0	9.9782973E-01	G1	1.6626839E-02		

TABLE 1.– CONTINUED

MENDELEVIUM 5F13 Z=101

(3P+,6P-)	F0	8.9964389E-01	G2	1.4494322E-02						
(3P+,6P+)	F0	7.3639312E-01	F2	3.9602876E-02	G0	8.0674954E-03	G2	9.9388601E-03		
(3P+,7S+)	F0	3.1771262E-01	G1	1.2106441E-03						
(3D-,3D-)	F0	7.5747461E+00	F2	3.8179458E+00						
(3D-,3D+)	F0	7.3874627E+00	F2	3.7466260E+00	G2	3.6109457E+00	G4	2.3253896E+00		
(3D-,4S+)	F0	4.1194553E+00	G2	3.7672958E-01						
(3D-,4P-)	F0	4.1870380E+00	G1	3.9643247E-01						
(3D-,4P+)	F0	3.7311367E+00	F2	9.6872745E-01	G1	3.0833535E-01	G3	3.0357898E-01		
(3D-,4D-)	F0	3.8498899E+00	F2	1.0562022E+00	G0	3.4433543E-01	G2	4.2170081E-01		
(3D-,4D+)	F0	3.7297962E+00	F2	1.0043404E+00	G2	3.9075855E-01	G4	3.0399615E-01		
(3D-,4F-)	F0	3.8711701E+00	F2	1.1736585E+00	G1	9.9978955E-01	G3	5.9032764E-01		
(3D-,4F+)	F0	3.8030907E+00	F2	1.1261424E+00	G3	5.5082190E-01	G5	3.8220902E-01		
(3D-,5S+)	F0	2.1850248E+00	G2	8.7178933E-02						
(3D-,5P-)	F0	2.1447305E+00	G1	8.4622037E-02						
(3D-,5P+)	F0	1.8870578E+00	F2	2.5078616E-01	G1	6.7636033E-02	G3	6.9818391E-02		
(3D-,5D-)	F0	1.7635397E+00	F2	2.3033653E-01	G0	6.2212727E-02	G2	8.2228369E-02		
(3D-,5D+)	F0	1.6976448E+00	F2	2.1578339E-01	G2	7.5132043E-02	G4	6.0085831E-02		
(3D-,5F-)	F0	1.2496325E+00	F2	1.2846048E-01	G1	1.0311653E-01	G3	6.2283550E-02		
(3D-,5F+)	F0	1.2033514E+00	F2	1.1821675E-01	G3	5.5762715E-02	G5	3.9043585E-02		
(3D-,6S+)	F0	1.0033313E+00	G2	1.6455308E-02						
(3D-,6P-)	F0	9.0420331E-01	G1	1.3194441E-02						
(3D-,6P+)	F0	7.3931456E-01	F2	3.4897932E-02	G1	8.7581401E-03	G3	9.1256416E-03		
(3D-,7S+)	F0	3.1811573E-01	G2	1.2004432E-03						
(3D+,3D+)	F0	7.2177124E+00	F2	3.6954193E+00	F4	2.3816546E+00				
(3D+,4S+)	F0	4.0835449E+00	G2	3.9100180E-01						
(3D+,4P-)	F0	4.1473965E+00	G3	4.0346620E-01						
(3D+,4P+)	F0	3.7003201E+00	F2	1.0014470E+00	G1	3.1066007E-01	G3	3.1398404E-01		
(3D+,4D-)	F0	3.8146617E+00	F2	1.0819993E+00	G2	4.0065239E-01	G4	3.1860532E-01		
(3D+,4D+)	F0	3.6975452E+00	F2	1.0288404E+00	F4	5.0626498E-01	G0	3.1983577E-01	G2	4.0351264E-01	G4	3.1745626E-01
(3D+,4F-)	F0	3.8562467E+00	F2	1.2373633E+00	F4	6.5821740E-01	G1	1.0541424E+00	G3	6.2498390E-01	G5	4.3375636E-01
(3D+,4F+)	F0	3.7894935E+00	F2	1.1891077E+00	F4	6.2584445E-01	G1	1.0338555E+00	G3	6.1134365E-01	G5	4.2433621E-01
(3D+,5S+)	F0	2.1753612E+00	G2	8.8694524E-02						
(3D+,5P-)	F0	2.1346177E+00	G3	8.9845013E-02						
(3D+,5P+)	F0	1.8793033E+00	F2	2.5988479E-01	G1	6.7537872E-02	G3	7.1729077E-02		
(3D+,5D-)	F0	1.7560704E+00	F2	2.3662278E-01	G2	7.7542369E-02	G4	6.3547407E-02		
(3D+,5D+)	F0	1.6909016E+00	F2	2.2164291E-01	F4	9.8996446E-02	G0	5.6765089E-02	G2	7.7368205E-02	G4	6.2622628E-02
(3D+,5F-)	F0	1.2478756E+00	F2	1.3516811E-01	F4	6.4940604E-02	G1	1.0622313E-01	G3	6.4599844E-02	G5	4.5299443E-02
(3D+,5F+)	F0	1.2018185E+00	F2	1.2459393E-01	F4	5.9279830E-02	G1	1.0034075E-01	G3	6.0962228E-02	G5	4.2732100E-02
(3D+,6S+)	F0	1.0014449E+00	G2	1.6683163E-02						
(3D+,6P-)	F0	9.0256759E-01	G3	1.4134575E-02						
(3D+,6P+)	F0	7.3828220E-01	F2	3.6256028E-02	G1	8.7314702E-03	G3	9.3638269E-03		
(3D+,7S+)	F0	3.1797745E-01	G2	1.2164886E-03						
(4S+,4S+)	F0	3.2633849E+00								
(4S+,4P-)	F0	3.2844388E+00	G1	2.1763041E+00						
(4S+,4P+)	F0	3.0528638E+00	G1	1.9475953E+00						
(4S+,4D-)	F0	3.0944808E+00	G2	1.5176101E+00						
(4S+,4D+)	F0	3.0309743E+00	G2	1.4711751E+00						
(4S+,4F-)	F0	3.1344626E+00	G3	1.1271190E+00						
(4S+,4F+)	F0	3.1058486E+00	G3	1.1262283E+00						
(4S+,5S+)	F0	1.9750585E+00	G0	1.3206331E-01						
(4S+,5P-)	F0	1.9349876E+00	G1	1.4877416E-01						
(4S+,5P+)	F0	1.7261623E+00	G1	1.6976717E-01						
(4S+,5D-)	F0	1.6121225E+00	G2	1.2131083E-01						
(4S+,5D+)	F0	1.5584349E+00	G2	1.2556121E-01						
(4S+,5F-)	F0	1.1771008E+00	G3	4.2804628E-02						

TABLE 1.– CONTINUED

MENDELEVIUM 5F13 Z=101

(4S+,5F+)	F0	1.1373814E+00	G3	4.2071103E-02						
(4S+,6S+)	F0	9.6290580E-01	G0	2.0964804E-02						
(4S+,6P-)	F0	8.7071086E-01	G1	2.0486897E-02						
(4S+,6P+)	F0	7.1808043E-01	G1	1.9598757E-02						
(4S+,7S+)	F0	3.1515798E-01	G0	1.4953199E-03						
(4P-,4P-)	F0	3.3090094E+00								
(4P-,4P+)	F0	3.0688504E+00	G2	1.4472419E+00						
(4P-,4D-)	F0	3.1124140E+00	G1	1.9806724E+00						
(4P-,4D+)	F0	3.0469302E+00	G3	1.1868802E+00						
(4P-,4F-)	F0	3.1517974E+00	G2	1.3842122E+00						
(4P-,4F+)	F0	3.1223570E+00	G4	9.7264178E-01						
(4P-,5S+)	F0	1.9801519E+00	G1	1.7313363E-01						
(4P-,5P-)	F0	1.9406482E+00	G0	1.3511429E-01						
(4P-,5P+)	F0	1.7301529E+00	G2	1.5314814E-01						
(4P-,5D-)	F0	1.6158244E+00	G1	1.4145667E-01						
(4P-,5D+)	F0	1.5617591E+00	G3	1.1733306E-01						
(4P-,5F-)	F0	1.1787363E+00	G2	4.8659259E-02						
(4P-,5F+)	F0	1.1388891E+00	G4	4.1714799E-02						
(4P-,6S+)	F0	9.6388415E-01	G1	2.8297989E-02						
(4P-,6P-)	F0	8.7161220E-01	G0	1.8160325E-02						
(4P-,6P+)	F0	7.1860856E-01	G2	1.8172835E-02						
(4P-,7S+)	F0	3.1522954E-01	G1	2.0257620E-03						
(4P+,4P+)	F0	2.8875614E+00	F2	1.4972067E+00						
(4P+,4D-)	F0	2.9164986E+00	F2	1.4817910E+00	G1	1.8163380E+00	G3	1.1607980E+00		
(4P+,4D+)	F0	2.8654607E+00	F2	1.4637400E+00	G1	1.8264103E+00	G3	1.1619174E+00		
(4P+,4F-)	F0	2.9385315E+00	F2	1.4638433E+00	G2	1.1721335E+00	G4	8.4969338E-01		
(4P+,4F+)	F0	2.9155228E+00	F2	1.4619561E+00	G2	1.1841636E+00	G4	8.5730192E-01		
(4P+,5S+)	F0	1.9310054E+00	G1	2.0221017E-01						
(4P+,5P-)	F0	1.8926370E+00	G2	1.9046202E-01						
(4P+,5P+)	F0	1.6931717E+00	F2	5.3288364E-01	G0	1.1246749E-01	G2	1.4298221E-01		
(4P+,5D-)	F0	1.5825819E+00	F2	4.5638723E-01	G1	9.7073447E-02	G3	1.0055364E-01		
(4P+,5D+)	F0	1.5308912E+00	F2	4.2697270E-01	G1	9.9405244E-02	G3	9.8365923E-02		
(4P+,5F-)	F0	1.1618019E+00	F2	2.4310205E-01	G2	3.6518341E-02	G4	3.5629608E-02		
(4P+,5F+)	F0	1.1230650E+00	F2	2.2786963E-01	G2	3.4624107E-02	G4	3.3772284E-02		
(4P+,6S+)	F0	9.5461661E-01	G1	3.0059165E-02						
(4P+,6P-)	F0	8.6408571E-01	G2	2.5443118E-02						
(4P+,6P+)	F0	7.1380911E-01	F2	8.2754531E-02	G0	1.2535464E-02	G2	1.6750583E-02		
(4P+,7S+)	F0	3.1455331E-01	G1	2.1300293E-03						
(4D-,4D-)	F0	2.9561032E+00	F2	1.4944785E+00						
(4D-,4D+)	F0	2.9013332E+00	F2	1.4684103E+00	G2	1.4543254E+00	G4	9.8358132E-01		
(4D-,4F-)	F0	2.9788222E+00	F2	1.4778004E+00	G1	1.5990453E+00	G3	1.0712850E+00		
(4D-,4F+)	F0	2.9542253E+00	F2	1.4738876E+00	G3	1.0671450E+00	G5	7.7393958E-01		
(4D-,5S+)	F0	1.9393163E+00	G2	2.2019584E-01						
(4D-,5P-)	F0	1.9008097E+00	G1	2.0170083E-01						
(4D-,5P+)	F0	1.6995036E+00	F2	5.2366666E-01	G1	1.4163949E-01	G3	1.4228634E-01		
(4D-,5D-)	F0	1.5899392E+00	F2	4.5352823E-01	G0	1.0883526E-01	G2	1.3196364E-01		
(4D-,5D+)	F0	1.5377149E+00	F2	4.2416563E-01	G2	1.2548012E-01	G4	1.0579756E-01		
(4D-,5F-)	F0	1.1651993E+00	F2	2.4025029E-01	G1	4.1547749E-02	G3	4.6050184E-02		
(4D-,5F+)	F0	1.1262362E+00	F2	2.2531994E-01	G3	4.3359082E-02	G5	3.6925989E-02		
(4D-,6S+)	F0	9.5621335E-01	G2	3.2807960E-02						
(4D-,6P-)	F0	8.6538123E-01	G1	2.4832467E-02						
(4D-,6P+)	F0	7.1463656E-01	F2	8.1164636E-02	G1	1.6009144E-02	G3	1.6750792E-02		
(4D-,7S+)	F0	3.1467005E-01	G2	2.3285406E-03						
(4D+,4D+)	F0	2.8504520E+00	F2	1.4486559E+00	F4	9.7915990E-01				
(4D+,4F-)	F0	2.9208922E+00	F2	1.4400385E+00	F4	9.2955023E-01	G1	1.5119901E+00	G3	1.0208476E+00	G5	7.4305264E-01

TABLE 1.– CONTINUED

MENDELEVIUM 5F13 Z=101

(4D+,4F+)	F0	2.8979084E+00	F2	1.4380185E+00	F4	9.3119596E-01	G1	1.5299406E+00	G3	1.0319922E+00	G5	7.5094353E-01			
(4D+,5S+)	F0	1.9253970E+00	G2	2.3911753E-01											
(4D+,5P-)	F0	1.8873040E+00	G3	2.1298311E-01											
(4D+,5P+)	F0	1.6891346E+00	F2	5.3860787E-01	G1	1.4520599E-01	G3	1.4758037E-01							
(4D+,5D-)	F0	1.5806641E+00	F2	4.6605288E-01	G2	1.3086505E-01	G4	1.1298118E-01							
(4D+,5D+)	F0	1.5291500E+00	F2	4.3590817E-01	F4	2.1202235E-01	G0	1.0241441E-01	G2	1.2566675E-01	G4	1.0719957E-01			
(4D+,5F-)	F0	1.1606429E+00	F2	2.4770203E-01	F4	1.0367868E-01	G1	4.0697276E-02	G3	4.5545069E-02	G5	3.9128737E-02			
(4D+,5F+)	F0	1.1219813E+00	F2	2.3219740E-01	F4	9.6416801E-02	G1	3.8336219E-02	G3	4.3005756E-02	G5	3.6931038E-02			
(4D+,6S+)	F0	9.5360907E-01	G2	3.4302287E-02											
(4D+,6P-)	F0	8.6327652E-01	G3	2.7514908E-02											
(4D+,6P+)	F0	7.1329326E-01	F2	8.4110633E-02	G1	1.6151790E-02	G3	1.7178070E-02							
(4D+,7S+)	F0	3.1448017E-01	G2	2.4259400E-03											
(4F-,4F-)	F0	3.0509698E+00	F2	1.5863392E+00	F4	1.0276883E+00									
(4F-,4F+)	F0	3.0238274E+00	F2	1.5746029E+00	F4	1.0206066E+00	G2	1.5554890E+00	G4	1.0087843E+00	G6	7.3598306E-01			
(4F-,5S+)	F0	1.9448780E+00	G3	2.1871177E-01											
(4F-,5P-)	F0	1.9056962E+00	G2	2.1744151E-01											
(4F-,5P+)	F0	1.7034710E+00	F2	5.1300073E-01	G2	1.4537109E-01	G4	1.3707877E-01							
(4F-,5D-)	F0	1.5933231E+00	F2	4.4459040E-01	G1	1.2365142E-01	G3	1.3163833E-01							
(4F-,5D+)	F0	1.5409405E+00	F2	4.1535673E-01	F4	2.0169409E-01	G1	1.1277330E-01	G3	1.2017265E-01	G5	1.0133887E-01			
(4F-,5F-)	F0	1.1712776E+00	F2	2.4634275E-01	F4	1.0992402E-01	G0	6.6214369E-02	G2	8.3784501E-02	G4	6.5860041E-02			
(4F-,5F+)	F0	1.1319869E+00	F2	2.3112761E-01	F4	1.0259365E-01	G2	7.7924317E-02	G4	6.1101351E-02	G6	4.7896600E-02			
(4F-,6S+)	F0	9.5732534E-01	G3	3.1680290E-02											
(4F-,6P-)	F0	8.6617970E-01	G2	2.5733739E-02											
(4F-,6P+)	F0	7.1515672E-01	F2	7.9410506E-02	G2	1.5964382E-02	G4	1.5823347E-02							
(4F-,7S+)	F0	3.1475145E-01	G3	2.2494834E-03											
(4F+,4F+)	F0	2.9975956E+00	F2	1.5640050E+00	F4	1.0144173E+00	F6	7.4012672E-01							
(4F+,5S+)	F0	1.9382102E+00	G3	2.2536044E-01											
(4F+,5P-)	F0	1.8992373E+00	G4	2.0104603E-01											
(4F+,5P+)	F0	1.6985491E+00	F2	5.2016950E-01	G2	1.4926838E-01	G4	1.4052722E-01							
(4F+,5D-)	F0	1.5889234E+00	F2	4.5080897E-01	G3	1.3302163E-01	G5	1.1203787E-01							
(4F+,5D+)	F0	1.5368726E+00	F2	4.2121146E-01	F4	2.0549307E-01	G1	1.1479840E-01	G3	1.2277644E-01	G5	1.0362955E-01			
(4F+,5F-)	F0	1.1689665E+00	F2	2.4959818E-01	F4	1.1148220E-01	G2	8.2427366E-02	G4	6.5247837E-02	G6	5.1305090E-02			
(4F+,5F+)	F0	1.1298472E+00	F2	2.3419234E-01	F4	1.0400960E-01	F6	6.4856263E-02	G0	6.1936031E-02	G2	7.8799733E-02			
(4F+,6S+)	F0	9.5608314E-01	G3	3.2179032E-02											
(4F+,6P-)	F0	8.6517733E-01	G4	2.5615567E-02											
(4F+,6P+)	F0	7.1451923E-01	F2	8.0807499E-02	G2	1.6222712E-02	G4	1.6134803E-02							
(4F+,7S+)	F0	3.1466089E-01	G3	2.2822118E-03											
(5S+,5S+)	F0	1.6108560E+00													
(5S+,5P-)	F0	1.5887110E+00	G1	1.0942553E+00											
(5S+,5P+)	F0	1.4710958E+00	G1	9.0743973E-01											
(5S+,5D-)	F0	1.3954938E+00	G2	6.2262241E-01											
(5S+,5D+)	F0	1.3594068E+00	G2	5.6735269E-01											
(5S+,5F-)	F0	1.0743256E+00	G3	2.5596731E-01											
(5S+,5F+)	F0	1.0421445E+00	G3	2.3441903E-01											
(5S+,6S+)	F0	9.0013743E-01	G0	4.5605684E-02											
(5S+,6P-)	F0	8.2070403E-01	G1	5.0341200E-02											
(5S+,6P+)	F0	6.8646002E-01	G1	4.8534703E-02											
(5S+,7S+)	F0	3.1061205E-01	G0	2.9453867E-03											
(5P-,5P-)	F0	1.5677468E+00													
(5P-,5P+)	F0	1.4551214E+00	G2	7.0995597E-01											
(5P-,5D-)	F0	1.3820524E+00	G1	8.2192166E-01											
(5P-,5D+)	F0	1.3471470E+00	G3	4.7735366E-01											
(5P-,5F-)	F0	1.0679578E+00	G2	3.3222845E-01											
(5P-,5F+)	F0	1.0362983E+00	G4	2.0857772E-01											
(5P-,6S+)	F0	8.9685539E-01	G1	6.3445933E-02											

TABLE 1.– CONTINUED

MENDELEVIUM 5F13 Z=101

(5P-,6P-)	F0	8.1815205E-01	G0	3.8953910E-02				
(5P-,6P+)	F0	6.8477677E-01	G2	4.1239383E-02				
(5P-,7S+)	F0	3.1037742E-01	G1	4.1336072E-03				
(5P+,5P+)	F0	1.3700909E+00	F2	7.3466126E-01				
(5P+,5D-)	F0	1.3099601E+00	F2	6.9129949E-01	G1	8.7959549E-01	G3	5.5625292E-01
(5P+,5D+)	F0	1.2815259E+00	F2	6.7163678E-01	G1	8.4803794E-01	G3	5.3524387E-01
(5P+,5F-)	F0	1.0337661E+00	F2	4.7193110E-01	G2	4.0456053E-01	G4	2.7614339E-01
(5P+,5F+)	F0	1.0049216E+00	F2	4.4954912E-01	G2	3.7889591E-01	G4	2.5843868E-01
(5P+,6S+)	F0	8.7892241E-01	G1	9.0422746E-02				
(5P+,6P-)	F0	8.0404778E-01	G2	6.3909026E-02				
(5P+,6P+)	F0	6.7571828E-01	F2	1.7742178E-01	G0	2.8753296E-02	G2	3.8808186E-02
(5P+,7S+)	F0	3.0909805E-01	G1	5.3404422E-03				
(5D-,5D-)	F0	1.2579479E+00	F2	6.6206468E-01				
(5D-,5D+)	F0	1.2331384E+00	F2	6.4832191E-01	G2	6.4530035E-01	G4	4.4051218E-01
(5D-,5F-)	F0	1.0069023E+00	F2	4.7581865E-01	G1	5.6843528E-01	G3	3.5157172E-01
(5D-,5F+)	F0	9.8004255E-01	F2	4.5542202E-01	G3	3.3149897E-01	G5	2.3682512E-01
(5D-,6S+)	F0	8.6557244E-01	G2	1.3540646E-01				
(5D-,6P-)	F0	7.9382268E-01	G1	1.0139543E-01				
(5D-,6P+)	F0	6.6936139E-01	F2	1.9425058E-01	G1	4.6677497E-02	G3	4.6499147E-02
(5D-,7S+)	F0	3.0817192E-01	G2	7.1948276E-03				
(5D+,5D+)	F0	1.2101209E+00	F2	6.3764273E-01	F4	4.3493440E-01		
(5D+,5F-)	F0	9.9410584E-01	F2	4.7765232E-01	F4	3.1077056E-01	G1	5.7849470E-01
(5D+,5F+)	F0	9.6819590E-01	F2	4.5820940E-01	F4	2.9627599E-01	G1	5.4996965E-01
(5D+,6S+)	F0	8.5909391E-01	G2	1.5459009E-01				
(5D+,6P-)	F0	7.8883639E-01	G3	1.0147475E-01				
(5D+,6P+)	F0	6.6627779E-01	F2	2.0205417E-01	G1	5.2520132E-02	G3	5.1065429E-02
(5D+,7S+)	F0	3.0772549E-01	G2	7.8527938E-03				
(5F-,5F-)	F0	8.5615956E-01	F2	4.1777330E-01	F4	2.7135310E-01		
(5F-,5F+)	F0	8.3814845E-01	F2	4.0733237E-01	F4	2.6407606E-01	G2	4.0657074E-01
(5F-,6S+)	F0	7.7311837E-01	G3	2.3087543E-01				
(5F-,6P-)	F0	7.2057738E-01	G2	2.3479190E-01				
(5F-,6P+)	F0	6.2372901E-01	F2	2.5324271E-01	G2	1.5262331E-01	G4	1.1294825E-01
(5F-,7S+)	F0	3.0211969E-01	G3	1.3464761E-02				
(5F+,5F+)	F0	8.2100776E-01	F2	3.9786247E-01	F4	2.5756487E-01	F6	1.8845936E-01
(5F+,6S+)	F0	7.6037311E-01	G3	2.3375218E-01				
(5F+,6P-)	F0	7.1002289E-01	G4	1.7324184E-01				
(5F+,6P+)	F0	6.1663294E-01	F2	2.5581783E-01	G2	1.6126639E-01	G4	1.1815050E-01
(5F+,7S+)	F0	3.0114805E-01	G3	1.5108217E-02				
(6S+,6S+)	F0	7.2920732E-01						
(6S+,6P-)	F0	6.8819208E-01	G1	4.7296400E-01				
(6S+,6P+)	F0	6.0660054E-01	G1	3.3454519E-01				
(6S+,7S+)	F0	2.9961886E-01	G0	9.2195929E-03				
(6P-,6P-)	F0	6.5426666E-01						
(6P-,6P+)	F0	5.8462344E-01	G2	2.8577001E-01				
(6P-,7S+)	F0	2.9721040E-01	G1	1.5662390E-02				
(6P+,6P+)	F0	5.3649746E-01	F2	2.9023938E-01				
(6P+,7S+)	F0	2.9183631E-01	G1	3.5640831E-02				
(7S+,7S+)	F0	2.3333733E-01						

TABLE 1.– CONTINUED

NOBELIUM 5F14 Z=102

(1S+,1S+)	F0	8.3376699E+01		
(1S+,2S+)	F0	2.8605091E+01	G0	4.1134420E+00
(1S+,2P-)	F0	3.4723234E+01	G1	5.0293465E+00
(1S+,2P+)	F0	2.5168185E+01	G1	3.7014775E+00
(1S+,3S+)	F0	1.1500065E+01	G0	8.6308755E-01
(1S+,3P-)	F0	1.2781587E+01	G1	1.0308952E+00
(1S+,3P+)	F0	1.0186097E+01	G1	9.0188531E-01
(1S+,3D-)	F0	1.0235425E+01	G2	2.9152184E-02
(1S+,3D+)	F0	9.6180030E+00	G2	3.6202942E-02
(1S+,4S+)	F0	5.2863594E+00	G0	2.3620333E-01
(1S+,4P-)	F0	5.5653690E+00	G1	2.7448670E-01
(1S+,4P+)	F0	4.6159560E+00	G1	2.4725764E-01
(1S+,4D-)	F0	4.4872047E+00	G2	9.1667101E-03
(1S+,4D+)	F0	4.2680866E+00	G2	1.1503419E-02
(1S+,4F-)	F0	4.0374855E+00	G3	4.2460445E-05
(1S+,4F+)	F0	3.9549865E+00	G3	6.2104539E-05
(1S+,5S+)	F0	2.5326732E+00	G0	6.5952647E-02
(1S+,5P-)	F0	2.5332100E+00	G1	7.2935584E-02
(1S+,5P+)	F0	2.1342882E+00	G1	6.4689930E-02
(1S+,5D-)	F0	1.9254255E+00	G2	2.1474986E-03
(1S+,5D+)	F0	1.8341683E+00	G2	2.6582673E-03
(1S+,5F-)	F0	1.2993500E+00	G3	6.1429002E-06
(1S+,5F+)	F0	1.2492221E+00	G3	8.5746953E-06
(1S+,6S+)	F0	1.0824468E+00	G0	1.2946243E-02
(1S+,6P-)	F0	9.7821791E-01	G1	1.1855455E-02
(1S+,6P+)	F0	7.7699527E-01	G1	8.5541717E-03
(1S+,7S+)	F0	3.2617438E-01	G0	9.3114721E-04
(2S+,2S+)	F0	1.9097821E+01		
(2S+,2P-)	F0	2.1002715E+01	G1	9.9434120E+00
(2S+,2P+)	F0	1.8516503E+01	G1	1.0529038E+01
(2S+,3S+)	F0	9.4627995E+00	G0	9.5852999E-01
(2S+,3P-)	F0	1.0145251E+01	G1	8.4218181E-01
(2S+,3P+)	F0	8.7670010E+00	G1	7.2952394E-01
(2S+,3D-)	F0	9.8358958E+00	G2	1.9771586E+00
(2S+,3D+)	F0	9.3431330E+00	G2	1.8122261E+00
(2S+,4S+)	F0	4.7219473E+00	G0	2.2519012E-01
(2S+,4P-)	F0	4.8642902E+00	G1	2.0259089E-01
(2S+,4P+)	F0	4.2347221E+00	G1	1.6729586E-01
(2S+,4D-)	F0	4.3717833E+00	G2	4.5718038E-01
(2S+,4D+)	F0	4.1883599E+00	G2	4.2993721E-01
(2S+,4F-)	F0	4.0345228E+00	G3	3.2228097E-02
(2S+,4F+)	F0	3.9527519E+00	G3	3.1012504E-02
(2S+,5S+)	F0	2.3744971E+00	G0	6.0521183E-02
(2S+,5P-)	F0	2.3468862E+00	G1	5.2508447E-02
(2S+,5P+)	F0	2.0350320E+00	G1	4.1913038E-02
(2S+,5D-)	F0	1.8988991E+00	G2	9.9836640E-02
(2S+,5D+)	F0	1.8161233E+00	G2	9.2909442E-02
(2S+,5F-)	F0	1.2989312E+00	G3	4.4196934E-03
(2S+,5F+)	F0	1.2489210E+00	G3	4.0640072E-03
(2S+,6S+)	F0	1.0513674E+00	G0	1.1766465E-02
(2S+,6P-)	F0	9.4792924E-01	G1	8.4855724E-03
(2S+,6P+)	F0	7.6388406E-01	G1	5.4907062E-03
(2S+,7S+)	F0	3.2393871E-01	G0	8.4512270E-04
(2P-,2P-)	F0	2.4288210E+01		
(2P-,2P+)	F0	2.0570875E+01	G2	8.0064905E+00

TABLE 1.-- CONTINUED

NOBELIUM 5F14 Z=102

(2P-,3S+)	F0	9.8288658E+00	G1	9.5591657E-01		
(2P-,3P-)	F0	1.0688725E+01	G0	1.3417281E+00		
(2P-,3P+)	F0	9.1653282E+00	G2	9.5070813E-01		
(2P-,3D-)	F0	9.9991363E+00	G1	1.9335574E+00		
(2P-,3D+)	F0	9.4609428E+00	G3	9.0733907E-01		
(2P-,4S+)	F0	4.8216795E+00	G1	2.3425369E-01		
(2P-,4P-)	F0	5.0053124E+00	G0	3.0739259E-01		
(2P-,4P+)	F0	4.3397949E+00	G2	2.3213853E-01		
(2P-,4D-)	F0	4.4178871E+00	G1	4.6907057E-01		
(2P-,4D+)	F0	4.2219197E+00	G3	2.2709129E-01		
(2P-,4F-)	F0	4.0359543E+00	G2	2.3359004E-02		
(2P-,4F+)	F0	3.9538496E+00	G4	1.3526326E-02		
(2P-,5S+)	F0	2.4023271E+00	G1	6.3584736E-02		
(2P-,5P-)	F0	2.3841338E+00	G0	7.8713617E-02		
(2P-,5P+)	F0	2.0622609E+00	G2	5.8997088E-02		
(2P-,5D-)	F0	1.9094381E+00	G1	1.0361779E-01		
(2P-,5D+)	F0	1.8236868E+00	G3	4.9705734E-02		
(2P-,5F-)	F0	1.2991331E+00	G2	3.2174395E-03		
(2P-,5F+)	F0	1.2490686E+00	G4	1.7805733E-03		
(2P-,6S+)	F0	1.0568296E+00	G1	1.2392455E-02		
(2P-,6P-)	F0	9.5397536E-01	G0	1.2684388E-02		
(2P-,6P+)	F0	7.6747718E-01	G2	7.7522771E-03		
(2P-,7S+)	F0	3.2433157E-01	G1	8.9039763E-04		
(2P+,2P+)	F0	1.8324241E+01	F2	8.6598024E+00		
(2P+,3S+)	F0	9.3413481E+00	G1	9.5516425E-01		
(2P+,3P-)	F0	1.0042591E+01	G2	1.1083000E+00		
(2P+,3P+)	F0	8.7342911E+00	F2	2.2271716E+00	G0	9.1172035E-01	G2	9.8150173E-01
(2P+,3D-)	F0	9.7908967E+00	F2	3.1144400E+00	G1	2.7022236E+00	G3	1.5532262E+00
(2P+,3D+)	F0	9.3052151E+00	F2	2.7874003E+00	G1	2.6035871E+00	G3	1.4982037E+00
(2P+,4S+)	F0	4.6882830E+00	G1	2.2241803E-01		
(2P+,4P-)	F0	4.8359051E+00	G2	2.5601020E-01		
(2P+,4P+)	F0	4.2258397E+00	F2	5.8106753E-01	G0	2.0401963E-01	G2	2.3756695E-01
(2P+,4D-)	F0	4.3611980E+00	F2	7.0701747E-01	G1	5.7888156E-01	G3	3.4468442E-01
(2P+,4D+)	F0	4.1791818E+00	F2	6.3852556E-01	G1	5.7944683E-01	G3	3.4402518E-01
(2P+,4F-)	F0	4.0334853E+00	F2	3.3211120E-01	G2	5.1393286E-02	G4	3.3196147E-02
(2P+,4F+)	F0	3.9518838E+00	F2	3.1027859E-01	G2	5.0690204E-02	G4	3.2731288E-02
(2P+,5S+)	F0	2.3650598E+00	G1	5.9688574E-02		
(2P+,5P-)	F0	2.3392680E+00	G2	6.5783984E-02		
(2P+,5P+)	F0	2.0327099E+00	F2	1.4951840E-01	G0	5.0761668E-02	G2	6.0242091E-02
(2P+,5D-)	F0	1.8965773E+00	F2	1.5408062E-01	G1	1.2455747E-01	G3	7.4781064E-02
(2P+,5D+)	F0	1.8141297E+00	F2	1.3728724E-01	G1	1.2369903E-01	G3	7.3977701E-02
(2P+,5F-)	F0	1.2987887E+00	F2	3.9087774E-02	G2	6.9334502E-03	G4	4.4884715E-03
(2P+,5F+)	F0	1.2488071E+00	F2	3.4893867E-02	G2	6.5437060E-03	G4	4.2343110E-03
(2P+,6S+)	F0	1.0495129E+00	G1	1.1600583E-02		
(2P+,6P-)	F0	9.4668797E-01	G2	1.0610098E-02		
(2P+,6P+)	F0	7.6357702E-01	F2	1.9957181E-02	G0	6.6395957E-03	G2	7.9120150E-03
(2P+,7S+)	F0	3.2380531E-01	G1	8.3316731E-04		
(3S+,3S+)	F0	7.1772778E+00				
(3S+,3P-)	F0	7.4235763E+00	G1	4.4933515E+00		
(3S+,3P+)	F0	6.8221617E+00	G1	4.3220908E+00		
(3S+,3D-)	F0	7.3374554E+00	G2	3.0277930E+00		
(3S+,3D+)	F0	7.1737608E+00	G2	3.0755279E+00		
(3S+,4S+)	F0	4.1526068E+00	G0	3.3041495E-01		
(3S+,4P-)	F0	4.2194247E+00	G1	3.3207699E-01		
(3S+,4P+)	F0	3.7524850E+00	G1	3.7327404E-01		

TABLE 1.– CONTINUED

NOBELIUM 5F14 Z=102

(3S+,4D-)	F0	3.8469498E+00	G2	2.3066205E-01				
(3S+,4D+)	F0	3.7254506E+00	G2	2.2248914E-01				
(3S+,4F-)	F0	3.9187407E+00	G3	6.7576165E-01				
(3S+,4F+)	F0	3.8503405E+00	G3	6.4697846E-01				
(3S+,5S+)	F0	2.2179039E+00	G0	7.4480389E-02				
(3S+,5P-)	F0	2.1786777E+00	G1	7.3999533E-02				
(3S+,5P+)	F0	1.9113770E+00	G1	8.0997456E-02				
(3S+,5D-)	F0	1.7850687E+00	G2	4.7533081E-02				
(3S+,5D+)	F0	1.7171038E+00	G2	4.3812114E-02				
(3S+,5F-)	F0	1.2840099E+00	G3	7.4126322E-02				
(3S+,5F+)	F0	1.2363042E+00	G3	6.8304237E-02				
(3S+,6S+)	F0	1.0207361E+00	G0	1.3916986E-02				
(3S+,6P-)	F0	9.2069704E-01	G1	1.1577658E-02				
(3S+,6P+)	F0	7.4760153E-01	G1	1.0310490E-02				
(3S+,7S+)	F0	3.2173667E-01	G0	9.9401850E-04				
(3P-,3P-)	F0	7.7386428E+00						
(3P-,3P+)	F0	7.0370088E+00	G2	3.1081418E+00				
(3P-,3D-)	F0	7.6237611E+00	G1	4.3106794E+00				
(3P-,3D+)	F0	7.4336356E+00	G3	2.6923516E+00				
(3P-,4S+)	F0	4.2088634E+00	G1	3.9895564E-01				
(3P-,4P-)	F0	4.2876304E+00	G0	3.8240208E-01				
(3P-,4P+)	F0	3.8029646E+00	G2	3.6914190E-01				
(3P-,4D-)	F0	3.8987104E+00	G1	2.5752859E-01				
(3P-,4D+)	F0	3.7735442E+00	G3	2.5601514E-01				
(3P-,4F-)	F0	3.9386764E+00	G2	7.5231074E-01				
(3P-,4F+)	F0	3.8682620E+00	G4	4.6666627E-01				
(3P-,5S+)	F0	2.2331782E+00	G1	9.3311869E-02				
(3P-,5P-)	F0	2.1962358E+00	G0	8.3497805E-02				
(3P-,5P+)	F0	1.9242129E+00	G2	8.4142144E-02				
(3P-,5D-)	F0	1.7960389E+00	G1	4.8792479E-02				
(3P-,5D+)	F0	1.7271512E+00	G3	4.9831209E-02				
(3P-,5F-)	F0	1.2865298E+00	G2	8.3428270E-02				
(3P-,5F+)	F0	1.2384733E+00	G4	5.0301514E-02				
(3P-,6S+)	F0	1.0237150E+00	G1	1.7571756E-02				
(3P-,6P-)	F0	9.2353160E-01	G0	1.3013432E-02				
(3P-,6P+)	F0	7.4928893E-01	G2	1.0817006E-02				
(3P-,7S+)	F0	3.2195073E-01	G1	1.2564112E-03				
(3P+,3P+)	F0	6.5339774E+00	F2	3.2170714E+00				
(3P+,3D-)	F0	6.9536138E+00	F2	3.2227319E+00	G1	3.3183824E+00	G3	2.2103367E+00
(3P+,3D+)	F0	6.8129362E+00	F2	3.2405161E+00	G1	3.4457428E+00	G3	2.2956129E+00
(3P+,4S+)	F0	4.0778005E+00	G1	4.2146631E-01				
(3P+,4P-)	F0	4.1424330E+00	G2	4.4203814E-01				
(3P+,4P+)	F0	3.6937136E+00	F2	1.0953623E+00	G0	3.0387968E-01	G2	3.4806206E-01
(3P+,4D-)	F0	3.7831630E+00	F2	1.1263634E+00	G1	2.8299643E-01	G3	2.8018459E-01
(3P+,4D+)	F0	3.6650648E+00	F2	1.0617410E+00	G1	2.4323701E-01	G3	2.5527250E-01
(3P+,4F-)	F0	3.8730943E+00	F2	1.4279445E+00	G2	1.0090351E+00	G4	6.7182117E-01
(3P+,4F+)	F0	3.8083282E+00	F2	1.3784424E+00	G2	9.7735951E-01	G4	6.5145920E-01
(3P+,5S+)	F0	2.1978322E+00	G1	9.1726618E-02				
(3P+,5P-)	F0	2.1590521E+00	G2	9.5713629E-02				
(3P+,5P+)	F0	1.8966868E+00	F2	2.8822133E-01	G0	6.4296833E-02	G2	7.8252899E-02
(3P+,5D-)	F0	1.7715410E+00	F2	2.5182388E-01	G1	5.8239016E-02	G3	5.7770227E-02
(3P+,5D+)	F0	1.7045154E+00	F2	2.3360068E-01	G1	4.9197571E-02	G3	5.1800023E-02
(3P+,5F-)	F0	1.2786048E+00	F2	1.5863691E-01	G2	1.0224716E-01	G4	6.9378972E-02
(3P+,5F+)	F0	1.2315314E+00	F2	1.4695936E-01	G2	9.5637554E-02	G4	6.4917857E-02
(3P+,6S+)	F0	1.0168318E+00	G1	1.7042595E-02				

TABLE 1.– CONTINUED

NOBELIUM 5F14 Z=102

(3P+,6P-)	F0	9.1753501E-01	G2	1.4907096E-02						
(3P+,6P+)	F0	7.4567683E-01	F2	4.0016935E-02	G0	8.1492987E-03	G2	1.0032776E-02		
(3P+,7S+)	F0	3.2145622E-01	G1	1.2163523E-03						
(3D-,3D-)	F0	7.6731051E+00	F2	3.8664596E+00						
(3D-,3D+)	F0	7.4792099E+00	F2	3.7925362E+00	G2	3.6520286E+00	G4	2.3518886E+00		
(3D-,4S+)	F0	4.1866718E+00	G2	3.8472492E-01						
(3D-,4P-)	F0	4.2577384E+00	G1	4.0550665E-01						
(3D-,4P+)	F0	3.7838381E+00	F2	9.8335773E-01	G1	3.1311094E-01	G3	3.0823459E-01		
(3D-,4D-)	F0	3.9079042E+00	F2	1.0741865E+00	G0	3.5071707E-01	G2	4.2939352E-01		
(3D-,4D+)	F0	3.7839355E+00	F2	1.0207018E+00	G2	3.9733476E-01	G4	3.0909169E-01		
(3D-,4F-)	F0	3.9335927E+00	F2	1.1964913E+00	G1	1.0213527E+00	G3	6.0310319E-01		
(3D-,4F+)	F0	3.8631974E+00	F2	1.1472338E+00	G3	5.6202903E-01	G5	3.9001227E-01		
(3D-,5S+)	F0	2.2270078E+00	G2	8.9496933E-02						
(3D-,5P-)	F0	2.1883029E+00	G1	8.7048433E-02						
(3D-,5P+)	F0	1.9192998E+00	F2	2.5632324E-01	G1	6.9135886E-02	G3	7.1376493E-02		
(3D-,5D-)	F0	1.7978331E+00	F2	2.3655778E-01	G0	6.3934132E-02	G2	8.4534884E-02		
(3D-,5D+)	F0	1.7292569E+00	F2	2.2131562E-01	G2	7.7075260E-02	G4	6.1651077E-02		
(3D-,5F-)	F0	1.2860735E+00	F2	1.3458734E-01	G1	1.0828118E-01	G3	6.5434392E-02		
(3D-,5F+)	F0	1.2380199E+00	F2	1.2374226E-01	G3	5.8497190E-02	G5	4.0967700E-02		
(3D-,6S+)	F0	1.0225043E+00	G2	1.6863129E-02						
(3D-,6P-)	F0	9.2224220E-01	G1	1.3536422E-02						
(3D-,6P+)	F0	7.4864151E-01	F2	3.5246997E-02	G1	8.8326920E-03	G3	9.2052837E-03		
(3D-,7S+)	F0	3.2186366E-01	G2	1.2058873E-03						
(3D+,3D+)	F0	7.3038444E+00	F2	3.7398646E+00	F4	2.4103890E+00				
(3D+,4S+)	F0	4.1491518E+00	G2	3.9982384E-01						
(3D+,4P-)	F0	4.2162753E+00	G3	4.1291385E-01						
(3D+,4P+)	F0	3.7517879E+00	F2	1.0172009E+00	G1	3.1551518E-01	G3	3.1902764E-01		
(3D+,4D-)	F0	3.8712083E+00	F2	1.1008715E+00	G2	4.0751171E-01	G4	3.2417793E-01		
(3D+,4D+)	F0	3.7503948E+00	F2	1.0460278E+00	F4	5.1516972E-01	G0	3.2530363E-01	G2	4.1059143E-01 G4 3.2308366E-01
(3D+,4F-)	F0	3.9179836E+00	F2	1.2626969E+00	F4	6.7283684E-01	G1	1.0777380E+00	G3	6.3908842E-01 G5 4.4357905E-01
(3D+,4F+)	F0	3.8490008E+00	F2	1.2126747E+00	F4	6.3922847E-01	G1	1.0538751E+00	G3	6.2511274E-01 G5 4.3392780E-01
(3D+,5S+)	F0	2.2168392E+00	G2	9.1097871E-02						
(3D+,5P-)	F0	2.1776378E+00	G3	9.2478105E-02						
(3D+,5P+)	F0	1.9111747E+00	F2	2.6579482E-01	G1	6.9029607E-02	G3	7.3370019E-02		
(3D+,5D-)	F0	1.7899713E+00	F2	2.4312149E-01	G2	7.9609977E-02	G4	6.5286101E-02		
(3D+,5D+)	F0	1.7221757E+00	F2	2.2742647E-01	F4	1.0169326E-01	G0	5.8203644E-02	G2	7.9419924E-02 G4 6.4312174E-02
(3D+,5F-)	F0	1.2841804E+00	F2	1.4173786E-01	F4	6.8244286E-02	G1	1.1153330E-01	G3	6.7876776E-02 G5 4.7611196E-02
(3D+,5F+)	F0	1.2363714E+00	F2	1.3054088E-01	F4	6.2234590E-02	G1	1.0535924E-01	G3	6.4053494E-02 G5 4.4911325E-02
(3D+,6S+)	F0	1.0205218E+00	G2	1.7102623E-02						
(3D+,6P-)	F0	9.2052059E-01	G3	1.4510956E-02						
(3D+,6P+)	F0	7.4757403E-01	F2	3.6647305E-02	G1	8.8046588E-03	G3	9.4504092E-03		
(3D+,7S+)	F0	3.2172120E-01	G2	1.2224149E-03						
(4S+,4S+)	F0	3.3181836E+00								
(4S+,4P-)	F0	3.3407706E+00	G1	2.2115254E+00						
(4S+,4P+)	F0	3.0992372E+00	G1	1.9698133E+00						
(4S+,4D-)	F0	3.1437285E+00	G2	1.5401976E+00						
(4S+,4D+)	F0	3.0778904E+00	G2	1.4912011E+00						
(4S+,4F-)	F0	3.1871199E+00	G3	1.4671189E+00						
(4S+,4F+)	F0	3.1575032E+00	G3	1.1458522E+00						
(4S+,5S+)	F0	2.0124523E+00	G0	1.3518044E-01						
(4S+,5P-)	F0	1.9734666E+00	G1	1.5214175E-01						
(4S+,5P+)	F0	1.7555662E+00	G1	1.7400437E-01						
(4S+,5D-)	F0	1.6429653E+00	G2	1.2462649E-01						
(4S+,5D+)	F0	1.5871386E+00	G2	1.2898873E-01						
(4S+,5F-)	F0	1.2104292E+00	G3	4.4584366E-02						

TABLE 1.– CONTINUED

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(4S+,5F+)	F0	1.1693078E+00	G3	4.3821725E-02						
(4S+,6S+)	F0	9.8124794E-01	G0	2.1412437E-02						
(4S+,6P-)	F0	8.8800741E-01	G1	2.0885702E-02						
(4S+,6P+)	F0	7.2731523E-01	G1	1.9824496E-02						
(4S+,7S+)	F0	3.1890462E-01	G0	1.4972650E-03						
(4P-,4P-)	F0	3.3670680E+00								
(4P-,4P+)	F0	3.1162680E+00	G2	1.4616124E+00						
(4P-,4D-)	F0	3.1628628E+00	G1	2.0096598E+00						
(4P-,4D+)	F0	3.0949016E+00	G3	1.2019594E+00						
(4P-,4F-)	F0	3.2057627E+00	G2	1.4089560E+00						
(4P-,4F+)	F0	3.1752534E+00	G4	9.8986448E-01						
(4P-,5S+)	F0	2.0179315E+00	G1	1.7697928E-01						
(4P-,5P-)	F0	1.9795470E+00	G0	1.3859963E-01						
(4P-,5P+)	F0	1.7598249E+00	G2	1.5638791E-01						
(4P-,5D-)	F0	1.6469348E+00	G1	1.4568757E-01						
(4P-,5D+)	F0	1.5906971E+00	G3	1.2039477E-01						
(4P-,5F-)	F0	1.2122263E+00	G2	5.0741006E-02						
(4P-,5F+)	F0	1.1709636E+00	G4	4.3542170E-02						
(4P-,6S+)	F0	9.8229852E-01	G1	2.8868994E-02						
(4P-,6P-)	F0	8.8897321E-01	G0	1.8573250E-02						
(4P-,6P+)	F0	7.2787123E-01	G2	1.8312314E-02						
(4P-,7S+)	F0	3.1897995E-01	G1	2.0260496E-03						
(4P+,4P+)	F0	2.9282800E+00	F2	1.5177321E+00						
(4P+,4D-)	F0	2.9592022E+00	F2	1.5027387E+00	G1	1.8404472E+00	G3	1.1766053E+00		
(4P+,4D+)	F0	2.9065477E+00	F2	1.4842667E+00	G1	1.8514546E+00	G3	1.1781172E+00		
(4P+,4F-)	F0	2.9835171E+00	F2	1.4855419E+00	G2	1.1867406E+00	G4	8.6102956E-01		
(4P+,4F+)	F0	2.9598275E+00	F2	1.4837946E+00	G2	1.1994780E+00	G4	8.6912018E-01		
(4P+,5S+)	F0	1.9662983E+00	G1	2.0821526E-01						
(4P+,5P-)	F0	1.9289864E+00	G2	1.9653481E-01						
(4P+,5P+)	F0	1.7211476E+00	F2	5.4298923E-01	G0	1.1474430E-01	G2	1.4575433E-01		
(4P+,5D-)	F0	1.6119938E+00	F2	4.6703993E-01	G1	9.9080368E-02	G3	1.0285582E-01		
(4P+,5D+)	F0	1.5583111E+00	F2	4.3638409E-01	G1	1.0137337E-01	G3	1.0049115E-01		
(4P+,5F-)	F0	1.1940915E+00	F2	2.5358445E-01	G2	3.8141822E-02	G4	3.7242377E-02		
(4P+,5F+)	F0	1.1540302E+00	F2	2.3757843E-01	G2	3.6053109E-02	G4	3.5228190E-02		
(4P+,6S+)	F0	9.7257559E-01	G1	3.0774838E-02						
(4P+,6P-)	F0	8.8106437E-01	G2	2.6103608E-02						
(4P+,6P+)	F0	7.2291726E-01	F2	8.3537095E-02	G0	1.2615435E-02	G2	1.6843355E-02		
(4P+,7S+)	F0	3.1828447E-01	G1	2.1372742E-03						
(4D-,4D-)	F0	3.0012246E+00	F2	1.5168288E+00						
(4D-,4D+)	F0	2.9445986E+00	F2	1.4898657E+00	G2	1.4751036E+00	G4	9.9782458E-01		
(4D-,4F-)	F0	3.0264158E+00	F2	1.5012306E+00	G1	1.6214604E+00	G3	1.0874040E+00		
(4D-,4F+)	F0	3.0010325E+00	F2	1.4973284E+00	G3	1.0832214E+00	G5	7.8591807E-01		
(4D-,5S+)	F0	1.9752602E+00	G2	2.2563625E-01						
(4D-,5P-)	F0	1.9378050E+00	G1	2.0746672E-01						
(4D-,5P+)	F0	1.7279383E+00	F2	5.3312824E-01	G1	1.4420174E-01	G3	1.4484871E-01		
(4D-,5D-)	F0	1.6198439E+00	F2	4.6374605E-01	G0	1.1142702E-01	G2	1.3504608E-01		
(4D-,5D+)	F0	1.5655814E+00	F2	4.3317202E-01	G2	1.2824900E-01	G4	1.0815298E-01		
(4D-,5F-)	F0	1.1977875E+00	F2	2.5032803E-01	G1	4.3180475E-02	G3	4.8018943E-02		
(4D-,5F+)	F0	1.1574784E+00	F2	2.3466462E-01	G3	4.5147525E-02	G5	3.8508880E-02		
(4D-,6S+)	F0	9.7429288E-01	G2	3.3490629E-02						
(4D-,6P-)	F0	8.8245821E-01	G1	2.5415265E-02						
(4D-,6P+)	F0	7.2379258E-01	F2	8.1834925E-02	G1	1.6084392E-02	G3	1.6827616E-02		
(4D-,7S+)	F0	3.1840753E-01	G2	2.3300737E-03						
(4D+,4D+)	F0	2.8920699E+00	F2	1.4695633E+00	F4	9.9346056E-01				
(4D+,4F-)	F0	2.9664195E+00	F2	1.4619819E+00	F4	9.4358280E-01	G1	1.5307063E+00	G3	1.0347892E+00	G5	7.5358992E-01

TABLE 1.– CONTINUED

NOBELIUM 5F14 Z=102

(4D+,4F+)	F0	2.9427332E+00	F2	1.4600667E+00	F4	9.4544444E-01	G1	1.5496279E+00	G3	1.0465811E+00	G5	7.6195190E-01					
(4D+,5S+)	F0	1.9607260E+00	G2	2.4550597E-01													
(4D+,5P-)	F0	1.9236688E+00	G3	2.1920924E-01													
(4D+,5P+)	F0	1.7171574E+00	F2	5.4856732E-01	G1	1.4782894E-01	G3	1.5029688E-01									
(4D+,5D-)	F0	1.6101527E+00	F2	4.7672546E-01	G2	1.3388870E-01	G4	1.1566304E-01									
(4D+,5D+)	F0	1.5566491E+00	F2	4.4533320E-01	F4	2.1695516E-01	G0	1.0468459E-01	G2	1.2843786E-01	G4	1.0960852E-01					
(4D+,5F-)	F0	1.1929391E+00	F2	2.5821053E-01	F4	1.0864044E-01	G1	4.2494849E-02	G3	4.7592103E-02	G5	4.0928405E-02					
(4D+,5F+)	F0	1.1529541E+00	F2	2.4193516E-01	F4	1.0395391E-01	G1	3.9904478E-02	G3	4.4864010E-02	G5	3.8576668E-02					
(4D+,6S+)	F0	9.7157759E-01	G2	3.5048016E-02													
(4D+,6P-)	F0	8.8026035E-01	G3	2.8162521E-02													
(4D+,6P+)	F0	7.2241420E-01	F2	8.4863819E-02	G1	1.6224795E-02	G3	1.7261403E-02									
(4D+,7S+)	F0	3.1821345E-01	G2	2.4296017E-03													
(4F-,4F-)	F0	3.1025921E+00	F2	1.6146990E+00	F4	1.0464529E+00											
(4F-,4F+)	F0	3.0745133E+00	F2	1.6025854E+00	F4	1.0391529E+00	G2	1.5825361E+00	G4	1.0267474E+00	G6	7.4922745E-01					
(4F-,5S+)	F0	1.9815646E+00	G3	2.2298361E-01													
(4F-,5P-)	F0	1.9433897E+00	G2	2.2224616E-01													
(4F-,5P+)	F0	1.7324131E+00	F2	5.2164369E-01	G2	1.4720139E-01	G4	1.3901566E-01									
(4F-,5D-)	F0	1.6236783E+00	F2	4.5400034E-01	G1	1.2595957E-01	G3	1.3428754E-01									
(4F-,5D+)	F0	1.5692248E+00	F2	4.2358902E-01	F4	2.0577889E-01	G1	1.1471889E-01	G3	1.2238549E-01	G5	1.0328171E-01					
(4F-,5F-)	F0	1.2043554E+00	F2	2.5636563E-01	F4	1.1481542E-01	G0	6.8853288E-02	G2	8.7376201E-02	G4	6.8764047E-02					
(4F-,5F+)	F0	1.1636889E+00	F2	2.4043001E-01	F4	1.0710473E-01	G2	8.1190604E-02	G4	6.3736710E-02	G6	4.9991151E-02					
(4F-,6S+)	F0	9.7553980E-01	G3	3.2265324E-02													
(4F-,6P-)	F0	8.8336177E-01	G2	2.6233478E-02													
(4F-,6P+)	F0	7.2436979E-01	F2	7.9921785E-02	G2	1.5987921E-02	G4	1.5859969E-02									
(4F-,7S+)	F0	3.1849694E-01	G3	2.2463304E-03													
(4F+,4F+)	F0	3.0473962E+00	F2	1.5916766E+00	F4	1.0327979E+00	F6	7.5367974E-01									
(4F+,5S+)	F0	1.9746200E+00	G3	2.2985689E-01													
(4F+,5P-)	F0	1.9366453E+00	G4	2.0567530E-01													
(4F+,5P+)	F0	1.7273070E+00	F2	5.2904839E-01	G2	1.5116631E-01	G4	1.4254442E-01									
(4F+,5D-)	F0	1.6190892E+00	F2	4.6043794E-01	G3	1.3567180E-01	G5	1.1436557E-01									
(4F+,5D+)	F0	1.5649890E+00	F2	4.2964376E-01	F4	2.0970580E-01	G1	1.1676852E-01	G3	1.2506140E-01	G5	1.0564479E-01					
(4F+,5F-)	F0	1.2018959E+00	F2	2.5978264E-01	F4	1.1646005E-01	G2	8.5912895E-02	G4	6.8098231E-02	G6	5.3580471E-02					
(4F+,5F+)	F0	1.1614139E+00	F2	2.4364685E-01	F4	1.0359839E-01	F6	6.7777496E-02	G0	6.4353003E-02	G2	8.2128850E-02					
(4F+,6S+)	F0	9.7424731E-01	G3	3.2778919E-02													
(4F+,6P-)	F0	8.8231709E-01	G4	2.6134314E-02													
(4F+,6P+)	F0	7.2371692E-01	F2	8.1353831E-02	G2	1.6248645E-02	G4	1.6145587E-02									
(4F+,7S+)	F0	3.1840457E-01	G3	2.2793800E-03													
(5S+,5S+)	F0	1.6417133E+00															
(5S+,5P-)	F0	1.6200496E+00	G1	1.1152728E+00													
(5S+,5P+)	F0	1.4971031E+00	G1	9.1875211E-01													
(5S+,5D-)	F0	1.4221881E+00	G2	6.3318020E-01													
(5S+,5D+)	F0	1.3846351E+00	G2	5.7552058E-01													
(5S+,5F-)	F0	1.1033719E+00	G3	2.6614982E-01													
(5S+,5F+)	F0	1.0701840E+00	G3	2.4362912E-01													
(5S+,6S+)	F0	9.1740432E-01	G0	4.6435378E-02													
(5S+,6P-)	F0	8.3706517E-01	G1	5.1101130E-02													
(5S+,6P+)	F0	6.9566343E-01	G1	4.8862475E-02													
(5S+,7S+)	F0	3.1437145E-01	G0	2.9427782E-03													
(5P-,5P-)	F0	1.5995145E+00															
(5P-,5P+)	F0	1.4815451E+00	G2	7.1865918E-01													
(5P-,5D-)	F0	1.4090315E+00	G1	8.3502801E-01													
(5P-,5D+)	F0	1.3726549E+00	G3	4.8379504E-01													
(5P-,5F-)	F0	1.0969877E+00	G2	3.4447916E-01													
(5P-,5F+)	F0	1.0643264E+00	G4	2.1621509E-01													
(5P-,6S+)	F0	9.1419912E-01	G1	6.4485647E-02													

TABLE 1.– CONTINUED

NOBELIUM 5F14 Z=102

(5P-,6P-)	F0	8.3457280E-01	G0	3.9677829E-02						
(5P-,6P+)	F0	6.9404466E-01	G2	4.1447732E-02						
(5P-,7S+)	F0	3.1414680E-01	G1	4.1234655E-03						
(5P+,5P+)	F0	1.3930988E+00	F2	7.4665053E-01						
(5P+,5D-)	F0	1.3336498E+00	F2	7.0367709E-01	G1	8.9550686E-01	G3	5.6640920E-01		
(5P+,5D+)	F0	1.3041682E+00	F2	6.8340401E-01	G1	8.6320547E-01	G3	5.4485631E-01		
(5P+,5F-)	F0	1.0603954E+00	F2	4.8702923E-01	G2	4.1983217E-01	G4	2.8671049E-01		
(5P+,5F+)	F0	1.0307688E+00	F2	4.6400382E-01	G2	3.9334493E-01	G4	2.6841330E-01		
(5P+,6S+)	F0	8.9545413E-01	G1	9.3125800E-02						
(5P+,6P-)	F0	8.1981173E-01	G2	6.5811696E-02						
(5P+,6P+)	F0	6.8472976E-01	F2	1.7905625E-01	G0	2.8903664E-02	G2	3.8964993E-02		
(5P+,7S+)	F0	3.1283566E-01	G1	5.3839292E-03						
(5D-,5D-)	F0	1.2820314E+00	F2	6.7439471E-01						
(5D-,5D+)	F0	1.2562048E+00	F2	6.6008387E-01	G2	6.5686831E-01	G4	4.4849250E-01		
(5D-,5F-)	F0	1.0331503E+00	F2	4.9007159E-01	G1	5.8712772E-01	G3	3.6335831E-01		
(5D-,5F+)	F0	1.0055446E+00	F2	4.6912015E-01	G3	3.4266443E-01	G5	2.4488986E-01		
(5D-,6S+)	F0	8.8218687E-01	G2	1.3806402E-01						
(5D-,6P-)	F0	8.0963548E-01	G1	1.0394269E-01						
(5D-,6P+)	F0	6.7852231E-01	F2	1.9566213E-01	G1	4.6640548E-02	G3	4.6492406E-02		
(5D-,7S+)	F0	3.1193368E-01	G2	7.2007032E-03						
(5D+,5D+)	F0	1.2322805E+00	F2	6.4902408E-01	F4	4.4276375E-01				
(5D+,5F-)	F0	1.0195533E+00	F2	4.9167443E-01	F4	3.2049042E-01	G1	5.9693185E-01	G3	3.6990315E-01	G5	2.6437016E-01
(5D+,5F+)	F0	9.9296232E-01	F2	4.7176319E-01	F4	3.0562670E-01	G1	5.6779233E-01	G3	3.5124470E-01	G5	2.5089003E-01
(5D+,6S+)	F0	8.7544057E-01	G2	1.5811879E-01						
(5D+,6P-)	F0	8.0443365E-01	G3	1.0413420E-01						
(5D+,6P+)	F0	6.7536460E-01	F2	2.0373475E-01	G1	5.2579630E-02	G3	5.1153251E-02		
(5D+,7S+)	F0	3.1147792E-01	G2	7.8769965E-03						
(5F-,5F-)	F0	8.8172001E-01	F2	4.3074144E-01	F4	2.8004608E-01				
(5F-,5F+)	F0	8.6306934E-01	F2	4.1993806E-01	F4	2.7250568E-01	G2	4.1911213E-01	G4	2.7208409E-01	G6	1.9935652E-01
(5F-,6S+)	F0	7.9104345E-01	G3	2.3414175E-01						
(5F-,6P-)	F0	7.3735766E-01	G2	2.3766945E-01						
(5F-,6P+)	F0	6.3435171E-01	F2	2.5490157E-01	G2	1.5112270E-01	G4	1.1212119E-01		
(5F-,7S+)	F0	3.0609657E-01	G3	1.3155847E-02						
(5F+,5F+)	F0	8.4533149E-01	F2	4.1015889E-01	F4	2.6577578E-01	F6	1.9457136E-01		
(5F+,6S+)	F0	7.7809598E-01	G3	2.3750144E-01						
(5F+,6P-)	F0	7.2664184E-01	G4	1.7592738E-01						
(5F+,6P+)	F0	6.2728355E-01	F2	2.5783472E-01	G2	1.6024758E-01	G4	1.1764897E-01		
(5F+,7S+)	F0	3.0514200E-01	G3	1.4763965E-02						
(6S+,6S+)	F0	7.4315117E-01								
(6S+,6P-)	F0	7.0168095E-01	G1	4.8245219E-01						
(6S+,6P+)	F0	6.1558258E-01	G1	3.3666827E-01						
(6S+,7S+)	F0	3.0338236E-01	G0	9.2415873E-03						
(6P-,6P-)	F0	6.6731313E-01								
(6P-,6P+)	F0	5.9366342E-01	G2	2.8828200E-01						
(6P-,7S+)	F0	3.0099263E-01	G1	1.5672527E-02						
(6P+,6P+)	F0	5.4337692E-01	F2	2.9382758E-01						
(6P+,7S+)	F0	2.9540030E-01	G1	3.6740202E-02						
(7S+,7S+)	F0	2.3599126E-01								

TABLE 1.– CONTINUED

LAWRENCIUM 6D1 Z=103

(1S+,1S+)	F0	8.4847642E+01		
(1S+,2S+)	F0	2.9159680E+01	G0	4.2327761E+00
(1S+,2P-)	F0	3.5461529E+01	G1	5.0889113E+00
(1S+,2P+)	F0	2.5464166E+01	G1	3.7141790E+00
(1S+,3S+)	F0	1.1712315E+01	G0	8.8898273E-01
(1S+,3P-)	F0	1.3034783E+01	G1	1.0437133E+00
(1S+,3P+)	F0	1.0319173E+01	G1	9.0959637E-01
(1S+,3D-)	F0	1.0369584E+01	G2	2.8879779E-02
(1S+,3D+)	F0	9.7308999E+00	G2	3.6165041E-02
(1S+,4S+)	F0	5.3857671E+00	G0	2.4404665E-01
(1S+,4P-)	F0	5.6773563E+00	G1	2.7886461E-01
(1S+,4P+)	F0	4.6849480E+00	G1	2.5066407E-01
(1S+,4D-)	F0	4.5573290E+00	G2	9.1457696E-03
(1S+,4D+)	F0	4.3304740E+00	G2	1.1579491E-02
(1S+,4F-)	F0	4.1023264E+00	G3	4.2419620E-05
(1S+,4F+)	F0	4.0169367E+00	G3	6.2845302E-05
(1S+,5S+)	F0	2.5863848E+00	G0	6.8640894E-02
(1S+,5P-)	F0	2.5913944E+00	G1	7.4737304E-02
(1S+,5P+)	F0	2.1736419E+00	G1	6.6149020E-02
(1S+,5D-)	F0	1.9663852E+00	G2	2.1722051E-03
(1S+,5D+)	F0	1.8716897E+00	G2	2.7131725E-03
(1S+,5F-)	F0	1.3637411E+00	G3	6.5857220E-06
(1S+,5F+)	F0	1.3173486E+00	G3	9.3942092E-06
(1S+,6S+)	F0	1.1140447E+00	G0	1.3754140E-02
(1S+,6P-)	F0	1.0135064E+00	G1	1.2556644E-02
(1S+,6P+)	F0	8.0639518E-01	G1	9.1759786E-03
(1S+,6D-)	F0	4.2151371E-01	G2	8.0580713E-05
(1S+,7S+)	F0	3.5321688E-01	G0	1.1376160E-03
(2S+,2S+)	F0	1.9433698E+01		
(2S+,2P-)	F0	2.1390516E+01	G1	1.0076295E+01
(2S+,2P+)	F0	1.8779056E+01	G1	1.0676859E+01
(2S+,3S+)	F0	9.6236691E+00	G0	9.8150096E-01
(2S+,3P-)	F0	1.0325561E+01	G1	8.5817693E-01
(2S+,3P+)	F0	8.8853618E+00	G1	7.4515147E-01
(2S+,3D-)	F0	9.9672127E+00	G2	1.9852435E+00
(2S+,3D+)	F0	9.4565528E+00	G2	1.8164023E+00
(2S+,4S+)	F0	4.8051684E+00	G0	2.3141849E-01
(2S+,4P-)	F0	4.9541722E+00	G1	2.0722589E-01
(2S+,4P+)	F0	4.2978070E+00	G1	1.7141460E-01
(2S+,4D-)	F0	4.4402129E+00	G2	4.6279464E-01
(2S+,4D+)	F0	4.2502680E+00	G2	4.3476783E-01
(2S+,4F-)	F0	4.0993275E+00	G3	3.2462542E-02
(2S+,4F+)	F0	4.0146897E+00	G3	3.1237504E-02
(2S+,5S+)	F0	2.4224679E+00	G0	6.2646883E-02
(2S+,5P-)	F0	2.3975234E+00	G1	5.4169479E-02
(2S+,5P+)	F0	2.0719811E+00	G1	4.3281352E-02
(2S+,5D-)	F0	1.9390995E+00	G2	1.0241829E-01
(2S+,5D+)	F0	1.8532855E+00	G2	9.5230985E-02
(2S+,5F-)	F0	1.3632863E+00	G3	4.7735297E-03
(2S+,5F+)	F0	1.3170209E+00	G3	4.4283935E-03
(2S+,6S+)	F0	1.0811664E+00	G0	1.2431812E-02
(2S+,6P-)	F0	9.8093090E-01	G1	9.0474975E-03
(2S+,6P+)	F0	7.9230830E-01	G1	5.9461822E-03
(2S+,6D-)	F0	4.2050470E-01	G2	3.7554486E-03
(2S+,7S+)	F0	3.5049707E-01	G0	1.0267417E-03

TABLE 1.– CONTINUED

LAWRENCIUM 6D1 Z=103

(2P-,2P-)	F0	2.4771607E+01						
(2P-,2P+)	F0	2.0862450E+01	G2	8.0678720E+00				
(2P-,3S+)	F0	1.0000821E+01	G1	9.7224162E-01				
(2P-,3P-)	F0	1.0885950E+01	G0	1.3775288E+00				
(2P-,3P+)	F0	9.2918602E+00	G2	9.6436413E-01				
(2P-,3D-)	F0	1.0132554E+01	G1	1.9379436E+00				
(2P-,3D+)	F0	9.5749013E+00	G3	9.0481681E-01				
(2P-,4S+)	F0	4.9082793E+00	G1	2.3905660E-01				
(2P-,4P-)	F0	5.1001270E+00	G0	3.1684101E-01				
(2P-,4P+)	F0	4.4055876E+00	G2	2.3655825E-01				
(2P-,4D-)	F0	4.4872660E+00	G1	4.7407419E-01				
(2P-,4D+)	F0	4.2842538E+00	G3	2.2841687E-01				
(2P-,4F-)	F0	4.1007841E+00	G2	2.3457213E-02				
(2P-,4F+)	F0	4.0157996E+00	G4	1.3555522E-02				
(2P-,5S+)	F0	2.4514539E+00	G1	6.5358491E-02				
(2P-,5P-)	F0	2.4364076E+00	G0	8.1825254E-02				
(2P-,5P+)	F0	2.1001516E+00	G2	6.0620592E-02				
(2P-,5D-)	F0	1.9500030E+00	G1	1.0614409E-01				
(2P-,5D+)	F0	1.8610507E+00	G3	5.0678393E-02				
(2P-,5F-)	F0	1.3635067E+00	G2	3.4648499E-03				
(2P-,5F+)	F0	1.3171824E+00	G4	1.9305653E-03				
(2P-,6S+)	F0	1.0869740E+00	G1	1.3001994E-02				
(2P-,6P-)	F0	9.8745478E-01	G0	1.3627357E-02				
(2P-,6P+)	F0	7.9620776E-01	G2	8.3548732E-03				
(2P-,6D-)	F0	4.2090754E-01	G1	3.8996020E-03				
(2P-,7S+)	F0	3.5097742E-01	G1	1.0742313E-03				
(2P+,2P+)	F0	1.8532718E+01	F2	8.7560230E+00				
(2P+,3S+)	F0	9.4875313E+00	G1	9.7399275E-01				
(2P+,3P-)	F0	1.0204993E+01	G2	1.1328873E+00				
(2P+,3P+)	F0	8.8427168E+00	F2	2.2571164E+00	G0	9.2507860E-01	G2	9.9540811E-01
(2P+,3D-)	F0	9.9160063E+00	F2	3.1588549E+00	G1	2.7369516E+00	G3	1.5730692E+00
(2P+,3D+)	F0	9.4140204E+00	F2	2.8207861E+00	G1	2.6356096E+00	G3	1.5165558E+00
(2P+,4S+)	F0	4.7673554E+00	G1	2.2704380E-01				
(2P+,4P-)	F0	4.9209164E+00	G2	2.6196187E-01				
(2P+,4P+)	F0	4.2862596E+00	F2	5.9146791E-01	G0	2.0784591E-01	G2	2.4197695E-01
(2P+,4D-)	F0	4.4279050E+00	F2	7.2102665E-01	G1	5.8924075E-01	G3	3.5089637E-01
(2P+,4D+)	F0	4.2397733E+00	F2	6.5003631E-01	G1	5.9021131E-01	G3	3.5043378E-01
(2P+,4F-)	F0	4.0981915E+00	F2	3.3983323E-01	G2	5.2787470E-02	G4	3.4097251E-02
(2P+,4F+)	F0	4.0137453E+00	F2	3.1708045E-01	G2	5.2076012E-02	G4	3.3626405E-02
(2P+,5S+)	F0	2.4117926E+00	G1	6.1338794E-02				
(2P+,5P-)	F0	2.3885334E+00	G2	6.7848728E-02				
(2P+,5P+)	F0	2.0689430E+00	F2	1.5344239E-01	G0	5.2129878E-02	G2	6.1865944E-02
(2P+,5D-)	F0	1.9363543E+00	F2	1.5912213E-01	G1	1.2838512E-01	G3	7.7097984E-02
(2P+,5D+)	F0	1.8509688E+00	F2	1.4154651E-01	G1	1.2762323E-01	G3	7.6335138E-02
(2P+,5F-)	F0	1.3631189E+00	F2	4.2685197E-02	G2	7.6298320E-03	G4	4.9396220E-03
(2P+,5F+)	F0	1.3168867E+00	F2	3.8381625E-02	G2	7.2670699E-03	G4	4.7026507E-03
(2P+,6S+)	F0	1.0790252E+00	G1	1.2166344E-02				
(2P+,6P-)	F0	9.7941733E-01	G2	1.1308208E-02				
(2P+,6P+)	F0	7.9188711E-01	F2	2.1466022E-02	G0	7.1509346E-03	G2	8.5221530E-03
(2P+,6D-)	F0	4.2040391E-01	F2	5.9751093E-03	G1	4.6959697E-03	G3	2.8239411E-03
(2P+,7S+)	F0	3.5031994E-01	G1	1.0047443E-03				
(3S+,3S+)	F0	7.2937486E+00						
(3S+,3P-)	F0	7.5470556E+00	G1	4.5593104E+00				
(3S+,3P+)	F0	6.9177395E+00	G1	4.3726088E+00				
(3S+,3D-)	F0	7.4449645E+00	G2	3.0774331E+00				

TABLE 1.– CONTINUED

LAWRENCIUM 6D1 Z=103

(3S+,3D+)	F0	7.2744744E+00	G2	3.1251850E+00				
(3S+,4S+)	F0	4.2225789E+00	G0	3.3753712E-01				
(3S+,4P-)	F0	4.2931859E+00	G1	3.3842553E-01				
(3S+,4P+)	F0	3.8070603E+00	G1	3.8237665E-01				
(3S+,4D-)	F0	3.9062865E+00	G2	2.3456558E-01				
(3S+,4D+)	F0	3.7807502E+00	G2	2.2694937E-01				
(3S+,4F-)	F0	3.9819939E+00	G3	6.8545430E-01				
(3S+,4F+)	F0	3.9111952E+00	G3	6.5579933E-01				
(3S+,5S+)	F0	2.2610459E+00	G0	7.6597982E-02				
(3S+,5P-)	F0	2.2236169E+00	G1	7.6005872E-02				
(3S+,5P+)	F0	1.9450639E+00	G1	8.3619692E-02				
(3S+,5D-)	F0	1.8217702E+00	G2	4.8836672E-02				
(3S+,5D+)	F0	1.7515173E+00	G2	4.5108917E-02				
(3S+,5F-)	F0	1.3470858E+00	G3	8.0396210E-02				
(3S+,5F+)	F0	1.3032392E+00	G3	7.4698314E-02				
(3S+,6S+)	F0	1.0489342E+00	G0	1.4602332E-02				
(3S+,6P-)	F0	9.5183086E-01	G1	1.2283973E-02				
(3S+,6P+)	F0	7.7477807E-01	G1	1.1158881E-02				
(3S+,6D-)	F0	4.1620588E-01	G2	1.7775161E-03				
(3S+,7S+)	F0	3.4783250E-01	G0	1.1989004E-03				
(3P-,3P-)	F0	7.8715337E+00						
(3P-,3P+)	F0	7.1365919E+00	G2	3.1337659E+00				
(3P-,3D-)	F0	7.7373883E+00	G1	4.3828094E+00				
(3P-,3D+)	F0	7.5392195E+00	G3	2.7311622E+00				
(3P-,4S+)	F0	4.2806558E+00	G1	4.0644777E-01				
(3P-,4P-)	F0	4.3637023E+00	G0	3.9144207E-01				
(3P-,4P+)	F0	3.8588241E+00	G2	3.7571809E-01				
(3P-,4D-)	F0	3.9595684E+00	G1	2.6397658E-01				
(3P-,4D+)	F0	3.8301749E+00	G3	2.6164255E-01				
(3P-,4F-)	F0	4.0024320E+00	G2	7.6204049E-01				
(3P-,4F+)	F0	3.9295250E+00	G4	4.7203020E-01				
(3P-,5S+)	F0	2.2769303E+00	G1	9.5701818E-02				
(3P-,5P-)	F0	2.2419255E+00	G0	8.6161528E-02				
(3P-,5P+)	F0	1.9583405E+00	G2	8.6334803E-02				
(3P-,5D-)	F0	1.8332087E+00	G1	5.0491267E-02				
(3P-,5D+)	F0	1.7619775E+00	G3	5.1487354E-02				
(3P-,5F-)	F0	1.3498524E+00	G2	9.0396683E-02				
(3P-,5F+)	F0	1.3056363E+00	G4	5.4918875E-02				
(3P-,6S+)	F0	1.0520964E+00	G1	1.8387371E-02				
(3P-,6P-)	F0	9.5488568E-01	G0	1.3871905E-02				
(3P-,6P+)	F0	7.7660883E-01	G2	1.1637687E-02				
(3P-,6D-)	F0	4.1662349E-01	G1	1.8136676E-03				
(3P-,7S+)	F0	3.4809380E-01	G1	1.5113747E-03				
(3P+,3P+)	F0	6.6144203E+00	F2	3.2548833E+00				
(3P+,3D-)	F0	7.0405653E+00	F2	3.2605826E+00	G1	3.3538052E+00	G3	2.2341574E+00
(3P+,3D+)	F0	6.8950537E+00	F2	3.2789892E+00	G1	3.4855742E+00	G3	2.3224227E+00
(3P+,4S+)	F0	4.1430196E+00	G1	4.3156616E-01				
(3P+,4P-)	F0	4.2110015E+00	G2	4.5386810E-01				
(3P+,4P+)	F0	3.7447356E+00	F2	1.1118736E+00	G0	3.0912360E-01	G2	3.5368840E-01
(3P+,4D-)	F0	3.8386246E+00	F2	1.1452356E+00	G1	2.8860497E-01	G3	2.8539019E-01
(3P+,4D+)	F0	3.7167652E+00	F2	1.0785051E+00	G1	2.4726220E-01	G3	2.5954445E-01
(3P+,4F-)	F0	3.9338082E+00	F2	1.4551717E+00	G2	1.0304398E+00	G4	6.8615009E-01
(3P+,4F+)	F0	3.8669262E+00	F2	1.4039800E+00	G2	9.9779165E-01	G4	6.6517302E-01
(3P+,5S+)	F0	2.2395426E+00	G1	9.4232452E-02				
(3P+,5P-)	F0	2.2024870E+00	G2	9.8745646E-02				

TABLE 1.– CONTINUED

LAWRENCIUM 6D1 Z=103

(3P+,5P+)	F0	1.9293514E+00	F2	2.9481283E-01	G0	6.5883947E-02	G2	8.0122420E-02		
(3P+,5D-)	F0	1.8072386E+00	F2	2.5910473E-01	G1	6.0134073E-02	G3	5.9572915E-02		
(3P+,5D+)	F0	1.7380089E+00	F2	2.4014399E-01	G1	5.0644206E-02	G3	5.3324905E-02		
(3P+,5F-)	F0	1.3409798E+00	F2	1.7205661E-01	G2	1.1126796E-01	G4	7.5540273E-02		
(3P+,5F+)	F0	1.2978090E+00	F2	1.6068205E-01	G2	1.0500063E-01	G4	7.1311851E-02		
(3P+,6S+)	F0	1.0446647E+00	G1	1.7850624E-02						
(3P+,6P-)	F0	9.4831236E-01	G2	1.5877732E-02						
(3P+,6P+)	F0	7.7261876E-01	F2	4.2816438E-02	G0	8.7530550E-03	G2	1.0769765E-02		
(3P+,6D-)	F0	4.1567523E-01	F2	1.0568103E-02	G1	2.1851952E-03	G3	2.1646310E-03		
(3P+,7S+)	F0	3.4747984E-01	G1	1.4643099E-03						
(3D-,3D-)	F0	7.7717267E+00	F2	3.9150400E+00						
(3D-,3D+)	F0	7.5710532E+00	F2	3.8384425E+00	G2	3.6929983E+00	G4	2.3783106E+00		
(3D-,4S+)	F0	4.2546240E+00	G2	3.9290604E-01						
(3D-,4P-)	F0	4.3293112E+00	G1	4.1484476E-01						
(3D-,4P+)	F0	3.8367090E+00	F2	9.9803858E-01	G1	3.1790349E-01	G3	3.1290409E-01		
(3D-,4D-)	F0	3.9660903E+00	F2	1.0922293E+00	G0	3.5714346E-01	G2	4.3712644E-01		
(3D-,4D+)	F0	3.8381480E+00	F2	1.0370827E+00	G2	4.0392028E-01	G4	3.1419131E-01		
(3D-,4F-)	F0	3.9960124E+00	F2	1.2193040E+00	G1	1.0429148E+00	G3	6.1587688E-01		
(3D-,4F+)	F0	3.9232418E+00	F2	1.1682618E+00	G3	5.7319487E-01	G5	3.9778732E-01		
(3D-,5S+)	F0	2.2696589E+00	G2	9.1874947E-02						
(3D-,5P-)	F0	2.2327464E+00	G1	8.9555725E-02						
(3D-,5P+)	F0	1.9526205E+00	F2	2.6216121E-01	G1	7.0723514E-02	G3	7.3025135E-02		
(3D-,5D-)	F0	1.8344448E+00	F2	2.4342127E-01	G0	6.5846245E-02	G2	8.7393308E-02		
(3D-,5D+)	F0	1.7635961E+00	F2	2.2758899E-01	G2	7.9296773E-02	G4	6.3439137E-02		
(3D-,5F-)	F0	1.3491943E+00	F2	1.4608099E-01	G1	1.1799071E-01	G3	7.1337523E-02		
(3D-,5F+)	F0	1.3049966E+00	F2	1.3537026E-01	G3	6.4261530E-02	G5	4.5015616E-02		
(3D-,6S+)	F0	1.0506410E+00	G2	1.7657795E-02						
(3D-,6P-)	F0	9.5334453E-01	G1	1.4379750E-02						
(3D-,6P+)	F0	7.7581849E-01	F2	3.7723422E-02	G1	9.4723978E-03	G3	9.8749450E-03		
(3D-,6D-)	F0	4.1666756E-01	F2	9.7014918E-03	G0	2.3483828E-03	G2	3.1425770E-03		
(3D-,7S+)	F0	3.4797344E-01	G2	1.4515363E-03						
(3D+,3D+)	F0	7.3899518E+00	F2	3.7842868E+00	F4	2.4391063E+00				
(3D+,4S+)	F0	4.2154317E+00	G2	4.0888387E-01						
(3D+,4P-)	F0	4.2859525E+00	G3	4.2263673E-01						
(3D+,4P+)	F0	3.8033886E+00	F2	1.0330308E+00	G1	3.2039017E-01	G3	3.2409571E-01		
(3D+,4D-)	F0	3.9278822E+00	F2	1.1198209E+00	G2	4.1438997E-01	G4	3.2976807E-01		
(3D+,4D+)	F0	3.8032821E+00	F2	1.0632513E+00	F4	5.2410014E-01	G0	3.3078786E-01	G2	4.1769149E-01	G4	3.2872826E-01
(3D+,4F-)	F0	3.9796971E+00	F2	1.2880712E+00	F4	6.8749903E-01	G1	1.1013754E+00	G3	6.5322052E-01	G5	4.5342173E-01
(3D+,4F+)	F0	3.9084296E+00	F2	1.2362385E+00	F4	6.5262408E-01	G1	1.0769317E+00	G3	6.3890665E-01	G5	4.4353753E-01
(3D+,5S+)	F0	2.2589616E+00	G2	9.3566576E-02						
(3D+,5P-)	F0	2.2215003E+00	G3	9.5199465E-02						
(3D+,5P+)	F0	1.9441024E+00	F2	2.7202416E-01	G1	7.0608727E-02	G3	7.5106325E-02		
(3D+,5D-)	F0	1.8261538E+00	F2	2.5028310E-01	G2	8.1907586E-02	G4	6.7215643E-02		
(3D+,5D+)	F0	1.7561399E+00	F2	2.3397329E-01	F4	1.0476637E-01	G0	5.9851471E-02	G2	8.1761487E-02	G4	6.6237858E-02
(3D+,5F-)	F0	1.3470778E+00	F2	1.5396479E-01	F4	7.4412755E-02	G1	1.2151838E-01	G3	7.4007442E-02	G5	5.1927213E-02
(3D+,5F+)	F0	1.3031405E+00	F2	1.4293163E-01	F4	6.8411345E-02	G1	1.1584463E-01	G3	7.0476848E-02	G5	4.9429347E-02
(3D+,6S+)	F0	1.0485122E+00	G2	1.7914875E-02						
(3D+,6P-)	F0	9.5146837E-01	G3	1.5426253E-02						
(3D+,6P+)	F0	7.7464464E-01	F2	3.9244978E-02	G1	9.4409519E-03	G3	1.0143046E-02		
(3D+,6D-)	F0	4.1636436E-01	F2	1.0031970E-02	G2	2.9519780E-03	G4	2.4339819E-03		
(3D+,7S+)	F0	3.4779754E-01	G2	1.4718818E-03						
(4S+,4S+)	F0	3.3736572E+00								
(4S+,4P-)	F0	3.3978473E+00	G1	2.2471036E+00						
(4S+,4P+)	F0	3.1459144E+00	G1	1.9916237E+00						
(4S+,4D-)	F0	3.1933132E+00	G2	1.5627710E+00						

TABLE 1.– CONTINUED

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(4S+,4D+)	F0	3.1250618E+00	G2	1.5110530E+00				
(4S+,4F-)	F0	3.2400689E+00	G3	1.1664745E+00				
(4S+,4F+)	F0	3.2094113E+00	G3	1.1656150E+00				
(4S+,5S+)	F0	2.0504461E+00	G0	1.3837611E-01				
(4S+,5P-)	F0	2.0127010E+00	G1	1.5559960E-01				
(4S+,5P+)	F0	1.7858871E+00	G1	1.7849989E-01				
(4S+,5D-)	F0	1.6757228E+00	G2	1.2834058E-01				
(4S+,5D+)	F0	1.6181038E+00	G2	1.3291750E-01				
(4S+,5F-)	F0	1.2673362E+00	G3	4.8181597E-02				
(4S+,5F+)	F0	1.2300597E+00	G3	4.7783876E-02				
(4S+,6S+)	F0	1.0076205E+00	G0	2.2335108E-02				
(4S+,6P-)	F0	9.1711038E-01	G1	2.2033526E-02				
(4S+,6P+)	F0	7.5303999E-01	G1	2.1302994E-02				
(4S+,6D-)	F0	4.1089930E-01	G2	4.2231590E-03				
(4S+,7S+)	F0	3.4442568E-01	G0	1.7932675E-03				
(4P-,4P-)	F0	3.4259541E+00						
(4P-,4P+)	F0	3.1640229E+00	G2	1.4755232E+00				
(4P-,4D-)	F0	3.2136907E+00	G1	2.0385363E+00				
(4P-,4D+)	F0	3.1431617E+00	G3	1.2167871E+00				
(4P-,4F-)	F0	3.2600698E+00	G2	1.4339450E+00				
(4P-,4F+)	F0	3.2284492E+00	G4	1.0071906E+00				
(4P-,5S+)	F0	2.0563324E+00	G1	1.8091311E-01				
(4P-,5P-)	F0	2.0192261E+00	G0	1.4219776E-01				
(4P-,5P+)	F0	1.7904303E+00	G2	1.5981894E-01				
(4P-,5D-)	F0	1.6799839E+00	G1	1.5041512E-01				
(4P-,5D+)	F0	1.6219198E+00	G3	1.2390570E-01				
(4P-,5F-)	F0	1.2693825E+00	G2	5.4899548E-02				
(4P-,5F+)	F0	1.2319612E+00	G4	4.7583299E-02				
(4P-,6S+)	F0	1.0087718E+00	G1	3.0080556E-02				
(4P-,6P-)	F0	9.1818098E-01	G0	1.9656219E-02				
(4P-,6P+)	F0	7.5366187E-01	G2	1.9606493E-02				
(4P-,6D-)	F0	4.1105381E-01	G1	4.8908135E-03				
(4P-,7S+)	F0	3.4452058E-01	G1	2.4244598E-03				
(4P+,4P+)	F0	2.9691095E+00	F2	1.5382797E+00				
(4P+,4D-)	F0	3.0020127E+00	F2	1.5236969E+00	G1	1.8645481E+00	G3	1.1923993E+00
(4P+,4D+)	F0	2.9476995E+00	F2	1.5047935E+00	G1	1.8765156E+00	G3	1.1943149E+00
(4P+,4F-)	F0	3.0285322E+00	F2	1.5072142E+00	G2	1.2012948E+00	G4	8.7232365E-01
(4P+,4F+)	F0	3.0041423E+00	F2	1.5056084E+00	G2	1.2147540E+00	G4	8.8090670E-01
(4P+,5S+)	F0	2.0020827E+00	G1	2.1449038E-01				
(4P+,5P-)	F0	1.9659710E+00	G2	2.0291690E-01				
(4P+,5P+)	F0	1.7499443E+00	F2	5.5357412E-01	G0	1.1716155E-01	G2	1.4870043E-01
(4P+,5D-)	F0	1.6431751E+00	F2	4.7867220E-01	G1	1.0135713E-01	G3	1.0544270E-01
(4P+,5D+)	F0	1.5878402E+00	F2	4.4693488E-01	G1	1.0368433E-01	G3	1.0296110E-01
(4P+,5F-)	F0	1.2492291E+00	F2	2.7292501E-01	G2	4.1362458E-02	G4	4.0409384E-02
(4P+,5F+)	F0	1.2129858E+00	F2	2.5766640E-01	G2	3.9324139E-02	G4	3.8486964E-02
(4P+,6S+)	F0	9.9834758E-01	G1	3.2178975E-02				
(4P+,6P-)	F0	9.0957459E-01	G2	2.7718546E-02				
(4P+,6P+)	F0	7.4822361E-01	F2	8.8790098E-02	G0	1.3482108E-02	G2	1.7993620E-02
(4P+,6D-)	F0	4.0973519E-01	F2	2.3094319E-02	G1	3.3191685E-03	G3	3.5772282E-03
(4P+,7S+)	F0	3.4366337E-01	G1	2.5642109E-03				
(4D-,4D-)	F0	3.0464578E+00	F2	1.5391951E+00				
(4D-,4D+)	F0	2.9879264E+00	F2	1.5113121E+00	G2	1.4958489E+00	G4	1.0120412E+00
(4D-,4F-)	F0	3.0740461E+00	F2	1.5246439E+00	G1	1.6438465E+00	G3	1.1034972E+00
(4D-,4F+)	F0	3.0478537E+00	F2	1.5207502E+00	G3	1.0992670E+00	G5	7.9787173E-01
(4D-,5S+)	F0	2.0117099E+00	G2	2.3127829E-01				

TABLE 1.– CONTINUED

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(4D-,5P-)	F0	1.9754528E+00	G1	2.1350780E-01						
(4D-,5P+)	F0	1.7572066E+00	F2	5.4306282E-01	G1	1.4693440E-01	G3	1.4758251E-01		
(4D-,5D-)	F0	1.6515482E+00	F2	4.7494349E-01	G0	1.1432539E-01	G2	1.3850017E-01		
(4D-,5D+)	F0	1.5955894E+00	F2	4.4331824E-01	G2	1.3145606E-01	G4	1.1088005E-01		
(4D-,5F-)	F0	1.2533903E+00	F2	2.6915662E-01	G1	4.6565874E-02	G3	5.1954800E-02		
(4D-,5F+)	F0	1.2169012E+00	F2	2.5427199E-01	G3	4.9215728E-02	G5	4.2047563E-02		
(4D-,6S+)	F0	1.0002280E+00	G2	3.4913971E-02						
(4D-,6P-)	F0	9.1112199E-01	G1	2.6889641E-02						
(4D-,6P+)	F0	7.4920488E-01	F2	8.6891491E-02	G1	1.7163559E-02	G3	1.7961460E-02		
(4D-,6D-)	F0	4.1003608E-01	F2	2.2755442E-02	G0	3.6711553E-03	G2	4.6330671E-03		
(4D-,7S+)	F0	3.4381827E-01	G2	2.7880625E-03						
(4D+,4D+)	F0	2.9337101E+00	F2	1.4904527E+00	F4	1.0077433E+00				
(4D+,4F-)	F0	3.0119330E+00	F2	1.4838735E+00	F4	9.5756765E-01	G1	1.5493038E+00	G3	1.0486496E+00	G5	7.6406809E-01
(4D+,4F+)	F0	2.9875252E+00	F2	1.4820649E+00	F4	9.5965040E-01	G1	1.5692195E+00	G3	1.0611050E+00	G5	7.7291325E-01
(4D+,5S+)	F0	1.9965334E+00	G2	2.5215534E-01						
(4D+,5P-)	F0	1.9606551E+00	G3	2.2572038E-01						
(4D+,5P+)	F0	1.7459886E+00	F2	5.5901788E-01	G1	1.5062709E-01	G3	1.5319449E-01		
(4D+,5D-)	F0	1.6414005E+00	F2	4.8840139E-01	G2	1.3727841E-01	G4	1.1866562E-01		
(4D+,5D+)	F0	1.5862472E+00	F2	4.5592362E-01	F4	2.2257122E-01	G0	1.0730759E-01	G2	1.3164678E-01	G4	1.1239489E-01
(4D+,5F-)	F0	1.2480370E+00	F2	2.7769675E-01	F4	1.1789504E-01	G1	4.6057984E-02	G3	5.1608918E-02	G5	4.4427769E-02
(4D+,5F+)	F0	1.2118640E+00	F2	2.6219764E-01	F4	1.1044209E-01	G1	4.3498098E-02	G3	4.9006517E-02	G5	4.2195022E-02
(4D+,6S+)	F0	9.9733529E-01	G2	3.6568393E-02						
(4D+,6P-)	F0	9.0874548E-01	G3	2.9827762E-02						
(4D+,6P+)	F0	7.4770081E-01	F2	9.0139210E-02	G1	1.7308082E-02	G3	1.8427678E-02		
(4D+,6D-)	F0	4.0967237E-01	F2	2.3677574E-02	G2	4.5662200E-03	G4	4.0331695E-03		
(4D+,7S+)	F0	3.4358059E-01	G2	2.9088414E-03						
(4F-,4F-)	F0	3.1541870E+00	F2	1.6430243E+00	F4	1.0651910E+00				
(4F-,4F+)	F0	3.1251465E+00	F2	1.6305225E+00	F4	1.0576662E+00	G2	1.6095090E+00	G4	1.0446597E+00	G6	7.6243400E-01
(4F-,5S+)	F0	2.0187499E+00	G3	2.2744034E-01						
(4F-,5P-)	F0	1.9817320E+00	G2	2.2729845E-01						
(4F-,5P+)	F0	1.7621832E+00	F2	5.3077347E-01	G2	1.4921904E-01	G4	1.4112807E-01		
(4F-,5D-)	F0	1.6558381E+00	F2	4.6439060E-01	G1	1.2860860E-01	G3	1.3730670E-01		
(4F-,5D+)	F0	1.5996575E+00	F2	4.3295719E-01	F4	2.1051640E-01	G1	1.1704895E-01	G3	1.2501439E-01	G5	1.0557916E-01
(4F-,5F-)	F0	1.2607328E+00	F2	2.7544217E-01	F4	1.2424348E-01	G0	7.4236986E-02	G2	9.4519002E-02	G4	7.4483566E-02
(4F-,5F+)	F0	1.2239037E+00	F2	2.6034873E-01	F4	1.1687426E-01	G2	8.8539887E-02	G4	6.9598892E-02	G6	5.4624687E-02
(4F-,6S+)	F0	1.0016385E+00	G3	3.3562666E-02						
(4F-,6P-)	F0	9.1216531E-01	G2	2.7668552E-02						
(4F-,6P+)	F0	7.4987642E-01	F2	8.4731434E-02	G2	1.7006789E-02	G4	1.6891352E-02		
(4F-,6D-)	F0	4.1018827E-01	F2	2.2135429E-02	G1	4.0782662E-03	G3	4.5440356E-03		
(4F-,7S+)	F0	3.4393450E-01	G3	2.6827574E-03						
(4F+,4F+)	F0	3.0971215E+00	F2	1.6192951E+00	F4	1.0511417E+00	F6	7.6720534E-01		
(4F+,5S+)	F0	2.0115157E+00	G3	2.3455090E-01						
(4F+,5P-)	F0	1.9746877E+00	G4	2.1052239E-01						
(4F+,5P+)	F0	1.7568811E+00	F2	5.3842357E-01	G2	1.5325752E-01	G4	1.4474314E-01		
(4F+,5D-)	F0	1.6510406E+00	F2	4.7106053E-01	G3	1.3869394E-01	G5	1.1701076E-01		
(4F+,5D+)	F0	1.5952337E+00	F2	4.3922614E-01	F4	2.1458383E-01	G1	1.1912914E-01	G3	1.2777251E-01	G5	1.0802418E-01
(4F+,5F-)	F0	1.2580166E+00	F2	2.7911375E-01	F4	1.2603170E-01	G2	9.2881646E-02	G4	7.3732110E-02	G6	5.8054305E-02
(4F+,5F+)	F0	1.2213707E+00	F2	2.6382935E-01	F4	1.1851043E-01	F6	7.4199908E-02	G0	6.9949408E-02	G2	8.9590779E-02
(4F+,6S+)	F0	1.0002641E+00	G3	3.4101846E-02						
(4F+,6P-)	F0	9.1103777E-01	G4	2.7593319E-02						
(4F+,6P+)	F0	7.4916529E-01	F2	8.6263773E-02	G2	1.7285061E-02	G4	1.7198462E-02		
(4F+,6D-)	F0	4.1001606E-01	F2	2.2573646E-02	G3	4.5640234E-03	G5	3.9342757E-03		
(4F+,7S+)	F0	3.4382157E-01	G3	2.7224152E-03						
(5S+,5S+)	F0	1.6731224E+00								
(5S+,5P-)	F0	1.6520237E+00	G1	1.1367381E+00						

TABLE 1.– CONTINUED

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(5S+,5P+)	F0	1.5238387E+00	G1	9.3035516E-01						
(5S+,5D-)	F0	1.4502959E+00	G2	6.4473402E-01						
(5S+,5D+)	F0	1.4115272E+00	G2	5.8482454E-01						
(5S+,5F-)	F0	1.1516677E+00	G3	2.8613137E-01						
(5S+,5F+)	F0	1.1220757E+00	G3	2.6411723E-01						
(5S+,6S+)	F0	9.4128841E-01	G0	4.8170362E-02						
(5S+,6P-)	F0	8.6339476E-01	G1	5.3516778E-02						
(5S+,6P+)	F0	7.1936311E-01	G1	5.1991767E-02						
(5S+,6D-)	F0	4.0302335E-01	G2	1.3636844E-02						
(5S+,7S+)	F0	3.3901260E-01	G0	3.4904739E-03						
(5P-,5P-)	F0	1.6319992E+00								
(5P-,5P+)	F0	1.5087461E+00	G2	7.2756035E-01						
(5P-,5D-)	F0	1.4374552E+00	G1	8.4924095E-01						
(5P-,5D+)	F0	1.3998462E+00	G3	4.9113612E-01						
(5P-,5F-)	F0	1.1450676E+00	G2	3.6902416E-01						
(5P-,5F+)	F0	1.1159689E+00	G4	2.3369640E-01						
(5P-,6S+)	F0	9.3810745E-01	G1	6.6773727E-02						
(5P-,6P-)	F0	8.6088877E-01	G0	4.1676069E-02						
(5P-,6P+)	F0	7.1771746E-01	G2	4.4064168E-02						
(5P-,6D-)	F0	4.0263169E-01	G1	1.5646694E-02						
(5P-,7S+)	F0	3.3875654E-01	G1	4.8859360E-03						
(5P+,5P+)	F0	1.4169627E+00	F2	7.5919455E-01						
(5P+,5D-)	F0	1.3587327E+00	F2	7.1698911E-01	G1	9.1255054E-01	G3	5.7741261E-01		
(5P+,5D+)	F0	1.3284181E+00	F2	6.9628468E-01	G1	8.7980809E-01	G3	5.5550786E-01		
(5P+,5F-)	F0	1.1046342E+00	F2	5.1526027E-01	G2	4.4867325E-01	G4	3.0639765E-01		
(5P+,5F+)	F0	1.0785808E+00	F2	4.9453912E-01	G2	4.2429022E-01	G4	2.8986205E-01		
(5P+,6S+)	F0	9.1816131E-01	G1	9.7423677E-02						
(5P+,6P-)	F0	8.4495291E-01	G2	6.9792918E-02						
(5P+,6P+)	F0	7.0757331E-01	F2	1.8835461E-01	G0	3.0663863E-02	G2	4.1353236E-02		
(5P+,6D-)	F0	4.0021986E-01	F2	5.5359834E-02	G1	1.1836426E-02	G3	1.0312289E-02		
(5P+,7S+)	F0	3.3715413E-01	G1	6.4033480E-03						
(5D-,5D-)	F0	1.3079469E+00	F2	6.8790640E-01						
(5D-,5D+)	F0	1.2812646E+00	F2	6.7313607E-01	G2	6.6971423E-01	G4	4.5747992E-01		
(5D-,5F-)	F0	1.0763742E+00	F2	5.1686394E-01	G1	6.2300422E-01	G3	3.8631011E-01		
(5D-,5F+)	F0	1.0521971E+00	F2	4.9828976E-01	G3	3.6734464E-01	G5	2.6281807E-01		
(5D-,6S+)	F0	9.0486787E-01	G2	1.4246819E-01						
(5D-,6P-)	F0	8.3460593E-01	G1	1.0893165E-01						
(5D-,6P+)	F0	7.0121026E-01	F2	2.0493158E-01	G1	4.8954372E-02	G3	4.8942946E-02		
(5D-,6D-)	F0	3.9876852E-01	F2	6.1570932E-02	G0	8.9896834E-03	G2	1.1439951E-02		
(5D-,7S+)	F0	3.3611711E-01	G2	8.4557696E-03						
(5D+,5D+)	F0	1.2565782E+00	F2	6.6178778E-01	F4	4.5166084E-01				
(5D+,5F-)	F0	1.0615882E+00	F2	5.1793887E-01	F4	3.3926722E-01	G1	6.3206109E-01	G3	3.9254716E-01	G5	2.8088701E-01
(5D+,5F+)	F0	1.0384026E+00	F2	5.0049338E-01	F4	3.2608730E-01	G1	6.0630310E-01	G3	3.7591956E-01	G5	2.6884022E-01
(5D+,6S+)	F0	8.9778436E-01	G2	1.6347061E-01						
(5D+,6P-)	F0	8.2906182E-01	G3	1.0935261E-01						
(5D+,6P+)	F0	6.9781504E-01	F2	2.1338256E-01	G1	5.5120299E-02	G3	5.3824967E-02		
(5D+,6D-)	F0	3.9798804E-01	F2	6.4762623E-02	G2	1.1641045E-02	G4	1.0068594E-02		
(5D+,7S+)	F0	3.3556767E-01	G2	9.2499109E-03						
(5F-,5F-)	F0	9.3104757E-01	F2	4.5933779E-01	F4	3.0005375E-01				
(5F-,5F+)	F0	9.1458521E-01	F2	4.5002872E-01	F4	2.9354390E-01	G2	4.4911352E-01	G4	2.9306433E-01	G6	2.1525555E-01
(5F-,6S+)	F0	8.2171053E-01	G3	2.3953013E-01						
(5F-,6P-)	F0	7.6818296E-01	G2	2.4179459E-01						
(5F-,6P+)	F0	6.6078678E-01	F2	2.6363909E-01	G2	1.4961396E-01	G4	1.1253531E-01		
(5F-,6D-)	F0	3.8969730E-01	F2	9.4423785E-02	G1	4.5509740E-02	G3	3.3744328E-02		
(5F-,7S+)	F0	3.3009477E-01	G3	1.3830118E-02						

TABLE 1.– CONTINUED

LAWRENCIUM 661 Z=103

(5F+,5F+)	F0	8.9886869E-01	F2	4.4161222E-01	F4	2.8775920E-01	F6	2.1121879E-01	
(5F+,6S+)	F0	8.1108005E-01	G3	2.4457424E-01					
(5F+,6P-)	F0	7.5942167E-01	G4	1.8137460E-01					
(5F+,6P+)	F0	6.5516232E-01	F2	2.6735854E-01	G2	1.5901752E-01	G4	1.1840085E-01	
(5F+,6D-)	F0	3.8832900E-01	F2	9.7853894E-02	G3	3.7144146E-02	G5	2.7594783E-02	
(5F+,7S+)	F0	3.2928471E-01	G3	1.5029085E-02					
(6S+,6S+)	F0	7.6347394E-01							
(6S+,6P-)	F0	7.2333459E-01	G1	4.9854440E-01					
(6S+,6P+)	F0	6.3593057E-01	G1	3.4818554E-01					
(6S+,6D-)	F0	3.8483780E-01	G2	6.5716684E-02					
(6S+,7S+)	F0	3.2613531E-01	G0	1.0670434E-02					
(6P-,6P-)	F0	6.8977585E-01							
(6P-,6P+)	F0	6.1450763E-01	G2	2.9796337E-01					
(6P-,6D-)	F0	3.7999251E-01	G1	1.1259764E-01					
(6P-,7S+)	F0	3.2349561E-01	G1	1.7730834E-02					
(6P+,6P+)	F0	5.6317180E-01	F2	3.0553393E-01					
(6P+,6D-)	F0	3.6703958E-01	F2	1.5327330E-01	G1	1.6668908E-01	G3	1.0152638E-01	
(6P+,7S+)	F0	3.1709856E-01	G1	4.0742381E-02					
(6D-,7S+)	F0	2.6550029E-01	G2	1.1041521E-01					
(7S+,7S+)	F0	2.5535185E-01							

RUTHERFORDIUM 602 Z=104

(1S+,1S+)	F0	8.6356610E+01		
(1S+,2S+)	F0	2.9729439E+01	G0	4.3571445E+00
(1S+,2P-)	F0	3.6223080E+01	G1	5.1483803E+00
(1S+,2P+)	F0	2.5761481E+01	G1	3.7254142E+00
(1S+,3S+)	F0	1.1929415E+01	G0	9.1592815E-01
(1S+,3P-)	F0	1.3294478E+01	G1	1.0564417E+00
(1S+,3P+)	F0	1.0452965E+01	G1	9.1701790E-01
(1S+,3D-)	F0	1.0504356E+01	G2	2.8578651E-02
(1S+,3D+)	F0	9.8438774E+00	G2	3.6100359E-02
(1S+,4S+)	F0	5.4870930E+00	G0	2.5220378E-01
(1S+,4P-)	F0	5.7917418E+00	G1	2.8321643E-01
(1S+,4P+)	F0	4.7543027E+00	G1	2.5400078E-01
(1S+,4D-)	F0	4.6277559E+00	G2	9.1138304E-03
(1S+,4D+)	F0	4.3929476E+00	G2	1.1045998E-02
(1S+,4F-)	F0	4.1671407E+00	G3	4.2297945E-05
(1S+,4F+)	F0	4.0787881E+00	G3	6.3503209E-05
(1S+,5S+)	F0	2.6410441E+00	G0	7.1442090E-02
(1S+,5P-)	F0	2.6507319E+00	G1	7.6543401E-02
(1S+,5P+)	F0	2.2134765E+00	G1	6.7612537E-02
(1S+,5D-)	F0	2.0080412E+00	G2	2.1948353E-03
(1S+,5D+)	F0	1.9098983E+00	G2	2.7676005E-03
(1S+,5F-)	F0	1.4245120E+00	G3	6.9945453E-06
(1S+,5F+)	F0	1.3795549E+00	G3	1.0166966E-05
(1S+,6S+)	F0	1.1471029E+00	G0	1.4635674E-02
(1S+,6P-)	F0	1.0500374E+00	G1	1.3298717E-02
(1S+,6P+)	F0	8.3554125E-01	G1	9.8081416E-03
(1S+,6D-)	F0	4.8183412E-01	G2	1.0665139E-04
(1S+,7S+)	F0	3.7353985E-01	G0	1.3056047E-03
(2S+,2S+)	F0	1.9777478E+01		

TABLE 1.– CONTINUED

RUTHERFORDIUM 6D2 Z=104

(2S+,2P-)	F0	2.1788348E+01	G1	1.0210691E+01
(2S+,2P+)	F0	1.9044760E+01	G1	1.0826048E+01
(2S+,3S+)	F0	9.7877242E+00	G0	1.0052234E+00
(2S+,3P-)	F0	1.0509739E+01	G1	8.7450963E-01
(2S+,3P+)	F0	9.0046749E+00	G1	7.6138233E-01
(2S+,3D-)	F0	1.0099310E+01	G2	1.9923729E+00
(2S+,3D+)	F0	9.5702296E+00	G2	1.8196459E+00
(2S+,4S+)	F0	4.8897919E+00	G0	2.3785345E-01
(2S+,4P-)	F0	5.0456660E+00	G1	2.1195749E-01
(2S+,4P+)	F0	4.3612969E+00	G1	1.7568500E-01
(2S+,4D-)	F0	4.5089875E+00	G2	4.6822821E-01
(2S+,4D+)	F0	4.3123198E+00	G2	4.3940612E-01
(2S+,4F-)	F0	4.1641088E+00	G3	3.2655541E-02
(2S+,4F+)	F0	4.0765315E+00	G3	3.1423482E-02
(2S+,5S+)	F0	2.4711910E+00	G0	6.4846851E-02
(2S+,5P-)	F0	2.4490211E+00	G1	5.5870764E-02
(2S+,5P+)	F0	2.1093844E+00	G1	4.4708601E-02
(2S+,5D-)	F0	1.9799865E+00	G2	1.0502832E-01
(2S+,5D+)	F0	1.8911362E+00	G2	9.7586264E-02
(2S+,5F-)	F0	1.4240225E+00	G3	5.1107474E-03
(2S+,5F+)	F0	1.3792026E+00	G3	4.7676833E-03
(2S+,6S+)	F0	1.1122707E+00	G0	1.3154928E-02
(2S+,6P-)	F0	1.0149878E+00	G1	9.6491249E-03
(2S+,6P+)	F0	8.2045791E-01	G1	6.4212961E-03
(2S+,6D-)	F0	4.8047533E-01	G2	5.0425101E-03
(2S+,7S+)	F0	3.7043206E-01	G0	1.1717077E-03
(2P-,2P-)	F0	2.5269191E+01		
(2P-,2P+)	F0	2.1157329E+01	G2	8.1276110E+00
(2P-,3S+)	F0	1.0176427E+01	G1	9.8884035E-01
(2P-,3P-)	F0	1.1087766E+01	G0	1.4146910E+00
(2P-,3P+)	F0	9.4194847E+00	G2	9.7812366E-01
(2P-,3D-)	F0	1.0266722E+01	G1	1.9412425E+00
(2P-,3D+)	F0	9.6890556E+00	G3	9.0169611E-01
(2P-,4S+)	F0	4.9964230E+00	G1	2.4394055E-01
(2P-,4P-)	F0	5.1967634E+00	G0	3.2665119E-01
(2P-,4P+)	F0	4.4718405E+00	G2	2.4102418E-01
(2P-,4D-)	F0	4.5569885E+00	G1	4.7883768E-01
(2P-,4D+)	F0	4.3467155E+00	G3	2.2958171E-01
(2P-,4F-)	F0	4.1655892E+00	G2	2.3522751E-02
(2P-,4F+)	F0	4.0776524E+00	G4	1.3565326E-02
(2P-,5S+)	F0	2.5013840E+00	G1	6.7166510E-02
(2P-,5P-)	F0	2.4896164E+00	G0	8.5063970E-02
(2P-,5P+)	F0	2.1385262E+00	G2	6.2281504E-02
(2P-,5D-)	F0	1.9912638E+00	G1	1.0868320E-01
(2P-,5D+)	F0	1.8991060E+00	G3	5.1647951E-02
(2P-,5F-)	F0	1.4242609E+00	G2	3.6984436E-03
(2P-,5F+)	F0	1.3793773E+00	G4	2.0678412E-03
(2P-,6S+)	F0	1.1184556E+00	G1	1.3659426E-02
(2P-,6P-)	F0	1.0220310E+00	G0	1.4648120E-02
(2P-,6P+)	F0	8.2467623E-01	G2	8.9750964E-03
(2P-,6D-)	F0	4.8162102E-01	G1	5.2285257E-03
(2P-,7S+)	F0	3.7098379E-01	G1	1.2171161E-03
(2P+,2P+)	F0	1.8741813E+01	F2	8.8524353E+00
(2P+,3S+)	F0	9.6359109E+00	G1	9.9343125E-01
(2P+,3P-)	F0	1.0369973E+01	G2	1.1584129E+00

TABLE 1.– CONTINUED

RUTHERFORDIUM 6D2 Z=104

(2P+,3P+)	F0	8.9515441E+00	F2	2.2871913E+00	G0	9.3853618E-01	G2	1.0093946E+00
(2P+,3D-)	F0	1.0041593E+01	F2	3.2034753E+00	G1	2.7716505E+00	G3	1.5928874E+00
(2P+,3D+)	F0	9.5229116E+00	F2	2.8541183E+00	G1	2.6675569E+00	G3	1.5348586E+00
(2P+,4S+)	F0	4.8475343E+00	G1	2.3177691E-01				
(2P+,4P-)	F0	5.0071647E+00	G2	2.6808121E-01				
(2P+,4P+)	F0	4.3469144E+00	F2	6.0193564E-01	G0	2.1170554E-01	G2	2.4642049E-01
(2P+,4D-)	F0	4.4948527E+00	F2	7.3512779E-01	G1	5.9961140E-01	G3	3.5711507E-01
(2P+,4D+)	F0	4.3004436E+00	F2	6.6157082E-01	G1	6.0100371E-01	G3	3.5685762E-01
(2P+,4F-)	F0	4.1628692E+00	F2	3.4756840E-01	G2	5.4182893E-02	G4	3.4999129E-02
(2P+,4F+)	F0	4.0755076E+00	F2	3.2367080E-01	G2	5.3463795E-02	G4	3.4522753E-02
(2P+,5S+)	F0	2.4591782E+00	G1	6.3026231E-02				
(2P+,5P-)	F0	2.4385368E+00	G2	6.9971371E-02				
(2P+,5P+)	F0	2.1055734E+00	F2	1.5744361E-01	G0	5.3527274E-02	G2	6.3523417E-02
(2P+,5D-)	F0	1.9767821E+00	F2	1.6430932E-01	G1	1.3231057E-01	G3	7.9474358E-02
(2P+,5D+)	F0	1.8884723E+00	F2	1.4593762E-01	G1	1.3167220E-01	G3	7.8767330E-02
(2P+,5F-)	F0	1.4238279E+00	F2	4.6251327E-02	G2	8.3281165E-03	G4	5.3920562E-03
(2P+,5F+)	F0	1.3790469E+00	F2	4.1751849E-02	G2	7.9785552E-03	G4	5.1633451E-03
(2P+,6S+)	F0	1.1098073E+00	G1	1.2777511E-02				
(2P+,6P-)	F0	1.0131629E+00	G2	1.2056683E-02				
(2P+,6P+)	F0	8.1990560E-01	F2	2.3013454E-02	G0	7.6764054E-03	G2	9.1491482E-03
(2P+,6D-)	F0	4.8032120E-01	F2	8.0526002E-03	G1	6.3353470E-03	G3	3.8109372E-03
(2P+,7S+)	F0	3.7021228E-01	G1	1.1379795E-03				
(3S+,3S+)	F0	7.4122388E+00						
(3S+,3P-)	F0	7.6727823E+00	G1	4.6261464E+00				
(3S+,3P+)	F0	7.0142029E+00	G1	4.4227049E+00				
(3S+,3D-)	F0	7.5536541E+00	G2	3.1278801E+00				
(3S+,3D+)	F0	7.3761020E+00	G2	3.1755035E+00				
(3S+,4S+)	F0	4.2936128E+00	G0	3.4482004E-01				
(3S+,4P-)	F0	4.3681126E+00	G1	3.4487390E-01				
(3S+,4P+)	F0	3.8619734E+00	G1	3.9171577E-01				
(3S+,4D-)	F0	3.9659757E+00	G2	2.3853533E-01				
(3S+,4D+)	F0	3.8362855E+00	G2	2.3155191E-01				
(3S+,4F-)	F0	4.0453128E+00	G3	6.9475593E-01				
(3S+,4F+)	F0	3.9720457E+00	G3	6.6422189E-01				
(3S+,5S+)	F0	2.3048088E+00	G0	7.8767849E-02				
(3S+,5P-)	F0	2.2692441E+00	G1	7.8049971E-02				
(3S+,5P+)	F0	1.9791352E+00	G1	8.6339054E-02				
(3S+,5D-)	F0	1.8590687E+00	G2	5.0175837E-02				
(3S+,5D+)	F0	1.7865526E+00	G2	4.6462159E-02				
(3S+,5F-)	F0	1.4065788E+00	G3	8.6498365E-02				
(3S+,5F+)	F0	1.3643236E+00	G3	8.0767328E-02				
(3S+,6S+)	F0	1.0783051E+00	G0	1.5343221E-02				
(3S+,6P-)	F0	9.8388044E-01	G1	1.3036565E-02				
(3S+,6P+)	F0	8.0164570E-01	G1	1.2040727E-02				
(3S+,6D-)	F0	4.7467484E-01	G2	2.3896722E-03				
(3S+,7S+)	F0	3.6740373E-01	G0	1.3581494E-03				
(3P-,3P-)	F0	8.0069988E+00						
(3P-,3P+)	F0	7.2370885E+00	G2	3.1585091E+00				
(3P-,3D-)	F0	7.8522754E+00	G1	4.4559943E+00				
(3P-,3D+)	F0	7.6457431E+00	G3	2.7701665E+00				
(3P-,4S+)	F0	4.3535717E+00	G1	4.1405746E-01				
(3P-,4P-)	F0	4.4410223E+00	G0	4.0071637E-01				
(3P-,4P+)	F0	3.9150413E+00	G2	3.8233405E-01				
(3P-,4D-)	F0	4.0208124E+00	G1	2.7068455E-01				
(3P-,4D+)	F0	3.8870649E+00	G3	2.6741838E-01				

TABLE 1.– CONTINUED

RUTHERFORDIUM 6D2 Z=104

(3P-,4F-)	F0	4.0662470E+00	G2	7.7128090E-01				
(3P-,4F+)	F0	3.9907752E+00	G4	4.7705441E-01				
(3P-,5S+)	F0	2.3213259E+00	G1	9.8134193E-02				
(3P-,5P-)	F0	2.2683332E+00	G0	8.8902684E-02				
(3P-,5P+)	F0	1.9928649E+00	G2	8.8573489E-02				
(3P-,5D-)	F0	1.8709947E+00	G1	5.2273820E-02				
(3P-,5D+)	F0	1.7974431E+00	G3	5.3218397E-02				
(3P-,5F-)	F0	1.4095912E+00	G2	9.7159326E-02				
(3P-,5F+)	F0	1.3669421E+00	G4	5.9277593E-02				
(3P-,6S+)	F0	1.0816667E+00	G1	1.9266460E-02				
(3P-,6P-)	F0	9.8717383E-01	G0	1.4792578E-02				
(3P-,6P+)	F0	8.0362542E-01	G2	1.2479696E-02				
(3P-,6D-)	F0	4.7524484E-01	G1	2.4555898E-03				
(3P-,7S+)	F0	3.6770330E-01	G1	1.7074456E-03				
(3P+,3P+)	F0	6.6951243E+00	F2	3.2927634E+00				
(3P+,3D-)	F0	7.1278043E+00	F2	3.2984939E+00	G1	3.3892466E+00	G3	2.2579732E+00
(3P+,3D+)	F0	6.9773350E+00	F2	3.3175323E+00	G1	3.5255255E+00	G3	2.3492969E+00
(3P+,4S+)	F0	4.2090285E+00	G1	4.4205364E-01				
(3P+,4P-)	F0	4.2804265E+00	G2	4.6618563E-01				
(3P+,4P+)	F0	3.7959243E+00	F2	1.1284328E+00	G0	3.1440519E-01	G2	3.5934035E-01
(3P+,4D-)	F0	3.8942464E+00	F2	1.1641548E+00	G1	2.9424272E-01	G3	2.9061408E-01
(3P+,4D+)	F0	3.7685293E+00	F2	1.0952645E+00	G1	2.5127653E-01	G3	2.6381171E-01
(3P+,4F-)	F0	3.9944865E+00	F2	1.4823380E+00	G2	1.0517799E+00	G4	7.0043559E-01
(3P+,4F+)	F0	3.9254372E+00	F2	1.4294180E+00	G2	1.0181427E+00	G4	6.7883344E-01
(3P+,5S+)	F0	2.2817836E+00	G1	9.6807592E-02				
(3P+,5P-)	F0	2.2465097E+00	G2	1.0187770E-01				
(3P+,5P+)	F0	1.9623398E+00	F2	3.0150892E-01	G0	6.7502829E-02	G2	8.2025897E-02
(3P+,5D-)	F0	1.8434655E+00	F2	2.6656356E-01	G1	6.2082520E-02	G3	6.1424363E-02
(3P+,5D+)	F0	1.7720616E+00	F2	2.4686796E-01	G1	5.2132370E-02	G3	5.4894787E-02
(3P+,5F-)	F0	1.3997373E+00	F2	1.8518782E-01	G2	1.2013659E-01	G4	8.1603907E-02
(3P+,5F+)	F0	1.3582164E+00	F2	1.7377737E-01	G2	1.1399933E-01	G4	7.7464293E-02
(3P+,6S+)	F0	1.0736315E+00	G1	1.8724709E-02				
(3P+,6P-)	F0	9.7996600E-01	G2	1.6919260E-02				
(3P+,6P+)	F0	7.9923228E-01	F2	4.5664524E-02	G0	9.3707492E-03	G2	1.1522919E-02
(3P+,6D-)	F0	4.7392898E-01	F2	1.4054699E-02	G1	2.9526534E-03	G3	2.9210741E-03
(3P+,7S+)	F0	3.6698740E-01	G1	1.6557865E-03				
(3D-,3D-)	F0	7.8706925E+00	F2	3.9637253E+00				
(3D-,3D+)	F0	7.6630658E+00	F2	3.8843789E+00	G2	3.7338837E+00	G4	2.4046736E+00
(3D-,4S+)	F0	4.3234258E+00	G2	4.0129883E-01				
(3D-,4P-)	F0	4.4018065E+00	G1	4.2446255E-01				
(3D-,4P+)	F0	3.8897608E+00	F2	1.0127636E+00	G1	3.2271152E-01	G3	3.1758498E-01
(3D-,4D-)	F0	4.0244577E+00	F2	1.1103222E+00	G0	3.6361168E-01	G2	4.4489465E-01
(3D-,4D+)	F0	3.8924389E+00	F2	1.0534734E+00	G2	4.1050991E-01	G4	3.1929045E-01
(3D-,4F-)	F0	4.0584046E+00	F2	1.2420602E+00	G1	1.0644269E+00	G3	6.2861855E-01
(3D-,4F+)	F0	3.9831998E+00	F2	1.1891908E+00	G3	5.8429022E-01	G5	4.0551356E-01
(3D-,5S+)	F0	2.3128635E+00	G2	9.4303491E-02				
(3D-,5P-)	F0	2.2778033E+00	G1	9.2123300E-02				
(3D-,5P+)	F0	1.9862789E+00	F2	2.6809367E-01	G1	7.2338251E-02	G3	7.4701282E-02
(3D-,5D-)	F0	1.8716136E+00	F2	2.5045668E-01	G0	6.7812714E-02	G2	8.9722198E-02
(3D-,5D+)	F0	1.7985231E+00	F2	2.3404247E-01	G2	8.1585665E-02	G4	6.5280901E-02
(3D-,5F-)	F0	1.4086997E+00	F2	1.5734443E-01	G1	1.2756570E-01	G3	7.7164016E-02
(3D-,5F+)	F0	1.3660882E+00	F2	1.4647867E-01	G3	6.9807941E-02	G5	4.8912527E-02
(3D-,6S+)	F0	1.0799359E+00	G2	1.8515228E-02				
(3D-,6P-)	F0	9.8534658E-01	G1	1.5280164E-02				
(3D-,6P+)	F0	8.0267413E-01	F2	4.0244207E-02	G1	1.0125038E-02	G3	1.0558474E-02

TABLE 1.– CONTINUED

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(3D-,6D-)	F0	4.7527290E-01	F2	1.2933825E-02	G0	3.1631382E-03	G2	4.2360340E-03				
(3D-,7S+)	F0	3.6754894E-01	G2	1.6409573E-03								
(3D+,3D+)	F0	7.4761016E+00	F2	3.8287185E+00	F4	2.4678269E+00						
(3D+,4S+)	F0	4.2824942E+00	G2	4.1821467E-01								
(3D+,4P-)	F0	4.3564747E+00	G3	4.3264995E-01								
(3D+,4P+)	F0	3.8551327E+00	F2	1.0489310E+00	G1	3.2528370E-01	G3	3.2918612E-01				
(3D+,4D-)	F0	3.9846918E+00	F2	1.1388400E+00	G2	4.2128246E-01	G4	3.3537155E-01				
(3D+,4D+)	F0	3.8562116E+00	F2	1.0805019E+00	F4	5.3304971E-01	G0	3.3628557E-01	G2	4.2480803E-01	G4	3.3438582E-01
(3D+,4F-)	F0	4.0413627E+00	F2	1.3134509E+00	F4	7.0217854E-01	G1	1.1250064E+00	G3	6.6735022E-01	G5	4.6326323E-01
(3D+,4F+)	F0	3.9677561E+00	F2	1.2597645E+00	F4	6.6600628E-01	G1	1.0999772E+00	G3	6.5269568E-01	G5	4.5314441E-01
(3D+,5S+)	F0	2.3016139E+00	G2	9.6091535E-02								
(3D+,5P-)	F0	2.2659494E+00	G3	9.7987054E-02								
(3D+,5P+)	F0	1.9773516E+00	F2	2.7836062E-01	G1	7.2214658E-02	G3	7.6873388E-02				
(3D+,5D-)	F0	1.8628723E+00	F2	2.5762762E-01	G2	8.4263813E-02	G4	6.9195308E-02				
(3D+,5D+)	F0	1.7906733E+00	F2	2.4071069E-01	F4	1.0793353E-01	G0	6.1550308E-02	G2	8.4175977E-02	G4	6.8223732E-02
(3D+,5F-)	F0	1.4063523E+00	F2	1.6596965E-01	F4	8.0507335E-02	G1	1.3136121E-01	G3	8.0059482E-02	G5	5.6190417E-02
(3D+,5F+)	F0	1.3640220E+00	F2	1.5479662E-01	F4	7.4368529E-02	G1	1.2595923E-01	G3	7.6682433E-02	G5	5.3796943E-02
(3D+,6S+)	F0	1.0776474E+00	G2	1.8791666E-02								
(3D+,6P-)	F0	9.8330182E-01	G3	1.6404069E-02								
(3D+,6P+)	F0	8.0138779E-01	F2	4.1891933E-02	G1	1.0089919E-02	G3	1.0850683E-02				
(3D+,6D-)	F0	4.7485441E-01	F2	1.3373336E-02	G2	3.9733514E-03	G4	3.2789269E-03				
(3D+,7S+)	F0	3.6734501E-01	G2	1.6644902E-03								
(4S+,4S+)	F0	3.4299130E+00										
(4S+,4P-)	F0	3.4557483E+00	G1	2.2831074E+00								
(4S+,4P+)	F0	3.1929383E+00	G1	2.0129640E+00								
(4S+,4D-)	F0	3.2432833E+00	G2	1.5853362E+00								
(4S+,4D+)	F0	3.1725293E+00	G2	1.5307138E+00								
(4S+,4F-)	F0	3.2933471E+00	G3	1.1864263E+00								
(4S+,4F+)	F0	3.2616085E+00	G3	1.1855536E+00								
(4S+,5S+)	F0	2.0889583E+00	G0	1.4163290E-01								
(4S+,5P-)	F0	2.0524969E+00	G1	1.5911278E-01								
(4S+,5P+)	F0	1.8165364E+00	G1	1.8311585E-01								
(4S+,5D-)	F0	1.7089765E+00	G2	1.3220871E-01								
(4S+,5D+)	F0	1.6495906E+00	G2	1.3702162E-01								
(4S+,5F-)	F0	1.3208168E+00	G3	5.1709620E-02								
(4S+,5F+)	F0	1.2852780E+00	G3	5.1574958E-02								
(4S+,6S+)	F0	1.0350204E+00	G0	2.3328931E-02								
(4S+,6P-)	F0	9.4699103E-01	G1	2.3249966E-02								
(4S+,6P+)	F0	7.7842729E-01	G1	2.2818613E-02								
(4S+,6D-)	F0	4.6753608E-01	G2	5.6779417E-03								
(4S+,7S+)	F0	3.6355458E-01	G0	2.0172847E-03								
(4P-,4P-)	F0	3.4857174E+00										
(4P-,4P+)	F0	3.2121342E+00	G2	1.4889449E+00								
(4P-,4D-)	F0	3.2649196E+00	G1	2.0672894E+00								
(4P-,4D+)	F0	3.1917270E+00	G3	1.2313474E+00								
(4P-,4F-)	F0	3.3147264E+00	G2	1.4592035E+00								
(4P-,4F+)	F0	3.2819511E+00	G4	1.0246303E+00								
(4P-,5S+)	F0	2.0952665E+00	G1	1.8491046E-01								
(4P-,5P-)	F0	2.0594843E+00	G0	1.4587448E-01								
(4P-,5P+)	F0	1.8213719E+00	G2	1.6330668E-01								
(4P-,5D-)	F0	1.7135409E+00	G1	1.5535048E-01								
(4P-,5D+)	F0	1.6536741E+00	G3	1.2754993E-01								
(4P-,5F-)	F0	1.3231230E+00	G2	5.8995497E-02								
(4P-,5F+)	F0	1.2874322E+00	G4	5.1401718E-02								
(4P-,6S+)	F0	1.0362811E+00	G1	3.1384514E-02								

TABLE 1.– CONTINUED

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(4P-,6P-)	F0	9.4817588E-01	G0	2.0808183E-02				
(4P-,6P+)	F0	7.7911911E-01	G2	2.0922389E-02				
(4P-,6D-)	F0	4.6775266E-01	G1	6.5921496E-03				
(4P-,7S+)	F0	3.6366663E-01	G1	2.7248338E-03				
(4P+,4P+)	F0	3.0100596E+00	F2	1.5588615E+00				
(4P+,4D-)	F0	3.0449405E+00	F2	1.5446792E+00	G1	1.8886542E+00	G3	1.2081922E+00
(4P+,4D+)	F0	2.9889241E+00	F2	1.5253325E+00	G1	1.9016059E+00	G3	1.2105215E+00
(4P+,4F-)	F0	3.0735751E+00	F2	1.5288708E+00	G2	1.2158203E+00	G4	8.8359184E-01
(4P+,4F+)	F0	3.0484653E+00	F2	1.5274079E+00	G2	1.2300157E+00	G4	8.9267761E-01
(4P+,5S+)	F0	2.0382693E+00	G1	2.2103626E-01				
(4P+,5P-)	F0	2.0033944E+00	G2	2.0957496E-01				
(4P+,5P+)	F0	1.7789938E+00	F2	5.6429306E-01	G0	1.1962362E-01	G2	1.5169616E-01
(4P+,5D-)	F0	1.6747627E+00	F2	4.9053246E-01	G1	1.0369857E-01	G3	1.0839814E-01
(4P+,5D+)	F0	1.6178067E+00	F2	4.5772456E-01	G1	1.0507329E-01	G3	1.0550843E-01
(4P+,5F-)	F0	1.3008946E+00	F2	2.9157522E-01	G2	4.4544013E-02	G4	4.3528896E-02
(4P+,5F+)	F0	1.2663983E+00	F2	2.7651726E-01	G2	4.2453457E-02	G4	4.1605216E-02
(4P+,6S+)	F0	1.0250883E+00	G1	3.3699715E-02				
(4P+,6P-)	F0	9.3880675E-01	G2	2.9448316E-02				
(4P+,6P+)	F0	7.7316817E-01	F2	9.4081599E-02	G0	1.4360178E-02	G2	1.9158740E-02
(4P+,6D-)	F0	4.6593497E-01	F2	3.0145078E-02	G1	4.4325827E-03	G3	4.7906033E-03
(4P+,7S+)	F0	3.6267421E-01	G1	2.8900445E-03				
(4D-,4D-)	F0	3.0918133E+00	F2	1.5615916E+00				
(4D-,4D+)	F0	3.0313244E+00	F2	1.5327618E+00	G2	1.5165729E+00	G4	1.0262406E+00
(4D-,4F-)	F0	3.1217101E+00	F2	1.5480500E+00	G1	1.6662398E+00	G3	1.1135821E+00
(4D-,4F+)	F0	3.0946857E+00	F2	1.5441627E+00	G3	1.1152989E+00	G5	8.0981242E-01
(4D-,5S+)	F0	2.0485754E+00	G2	2.3710980E-01				
(4D-,5P-)	F0	2.0135551E+00	G1	2.1978577E-01				
(4D-,5P+)	F0	1.7867350E+00	F2	5.5312943E-01	G1	1.4971630E-01	G3	1.5036399E-01
(4D-,5D-)	F0	1.6836732E+00	F2	4.8636793E-01	G0	1.1730301E-01	G2	1.4204477E-01
(4D-,5D+)	F0	1.6260481E+00	F2	4.5370297E-01	G2	1.3476203E-01	G4	1.1368979E-01
(4D-,5F-)	F0	1.3055330E+00	F2	2.8728097E-01	G1	4.9860234E-02	G3	5.5796466E-02
(4D-,5F+)	F0	1.2707851E+00	F2	2.7263531E-01	G3	5.3076524E-02	G5	4.5416383E-02
(4D-,6S+)	F0	1.0271437E+00	G2	3.6450570E-02				
(4D-,6P-)	F0	9.4051973E-01	G1	2.8460561E-02				
(4D-,6P+)	F0	7.7426120E-01	F2	9.1979793E-02	G1	1.8254552E-02	G3	1.9108900E-02
(4D-,6D-)	F0	4.6635388E-01	F2	2.9686625E-02	G0	4.9127297E-03	G2	6.2039582E-03
(4D-,7S+)	F0	3.6285676E-01	G2	3.1336583E-03				
(4D+,4D+)	F0	2.9753788E+00	F2	1.5113354E+00	F4	1.0220174E+00		
(4D+,4F-)	F0	3.0574283E+00	F2	1.5057224E+00	F4	9.7151447E-01	G1	1.5678125E+00	G3	1.0624462E+00	G5	7.7449918E-01
(4D+,4F+)	F0	3.0322803E+00	F2	1.5040225E+00	F4	9.7382357E-01	G1	1.5887448E+00	G3	1.0755814E+00	G5	7.8383967E-01
(4D+,5S+)	F0	2.0327299E+00	G2	2.5905884E-01				
(4D+,5P-)	F0	1.9980672E+00	G3	2.3247421E-01				
(4D+,5P+)	F0	1.7750634E+00	F2	5.6961494E-01	G1	1.5347769E-01	G3	1.5614619E-01
(4D+,5D-)	F0	1.6730481E+00	F2	5.0031854E-01	G2	1.4075665E-01	G4	1.2174681E-01
(4D+,5D+)	F0	1.6162766E+00	F2	4.6676614E-01	F4	2.2934210E-01	G0	1.1001189E-01	G2	1.3495453E-01	G4	1.1526653E-01
(4D+,5F-)	F0	1.2996675E+00	F2	2.9646740E-01	F4	1.2694565E-01	G1	4.9569010E-02	G3	5.5550981E-02	G5	4.7865194E-02
(4D+,5F+)	F0	1.2652384E+00	F2	2.8118770E-01	F4	1.1949088E-01	G1	4.6926083E-02	G3	5.2959762E-02	G5	4.5655546E-02
(4D+,6S+)	F0	1.0240576E+00	G2	3.8210750E-02				
(4D+,6P-)	F0	9.3794927E-01	G3	3.1603344E-02				
(4D+,6P+)	F0	7.7262532E-01	F2	9.5451746E-02	G1	1.8402482E-02	G3	1.9608301E-02				
(4D+,6D-)	F0	4.6585560E-01	F2	3.0879621E-02	G2	6.1111028E-03	G4	5.4044628E-03				
(4D+,7S+)	F0	3.6258337E-01	G2	3.2713805E-03				
(4F-,4F-)	F0	3.2657315E+00	F2	1.6713042E+00	F4	1.0838962E+00		
(4F-,4F+)	F0	3.1757049E+00	F2	1.6584041E+00	F4	1.0761405E+00	G2	1.6363978E+00	G4	1.0625151E+00	G6	7.7559854E-01
(4F-,5S+)	F0	2.0563393E+00	G3	3.3207046E-01				

TABLE 1.– CONTINUED

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(4F-,5P-)	F0 2.0205198E+00	G2 2.3255696E-01				
(4F-,5P+)	F0 1.7922013E+00	F2 5.4005732E-01	G2 1.5130435E-01	G4 1.4330027E-01		
(4F-,5D-)	F0 1.6884138E+00	F2 4.7502268E-01	G1 1.3134563E-01	G3 1.4041997E-01		
(4F-,5D+)	F0 1.6305368E+00	F2 4.4257716E-01	F4 2.1540260E-01	G1 1.1946745E-01	G3 1.2773731E-01	G5 1.0795688E-01
(4F-,5F-)	F0 1.3136563E+00	F2 2.9380405E-01	F4 1.3342413E-01	G0 7.9444753E-02	G2 1.0147305E-01	G4 8.0066074E-02
(4F-,5F+)	F0 1.2785732E+00	F2 2.7899911E-01	F4 1.2614960E-01	G2 9.5507052E-02	G4 7.5172865E-02	G6 5.9036838E-02
(4F-,6S+)	F0 1.0287240E+00	G3 3.4966107E-02				
(4F-,6P-)	F0 9.4171010E-01	G2 2.9195373E-02				
(4F-,6P+)	F0 7.7503076E-01	F2 8.9569524E-02	G2 1.8033884E-02	G4 1.7933468E-02		
(4F-,6D-)	F0 4.6657385E-01	F2 2.8840676E-02	G1 5.4375736E-03	G3 6.0712722E-03		
(4F-,7S+)	F0 3.6299711E-01	G3 3.0099053E-03				
(4F+,4F+)	F0 3.1467500E+00	F2 1.6468513E+00	F4 1.0694433E+00	F6 7.8069980E-01		
(4F+,5S+)	F0 2.0488031E+00	G3 2.3943125E-01				
(4F+,5P-)	F0 2.0131622E+00	G4 2.1554333E-01				
(4F+,5P+)	F0 1.7866955E+00	F2 5.4795997E-01	G2 1.5542006E-01	G4 1.4700537E-01		
(4F+,5D-)	F0 1.6833980E+00	F2 4.8193254E-01	G3 1.4181043E-01	G5 1.1973670E-01		
(4F+,5D+)	F0 1.6259157E+00	F2 4.4906749E-01	F4 2.1961620E-01	G1 1.2158050E-01	G3 1.3058190E-01	G5 1.1048797E-01
(4F+,5F-)	F0 1.3106794E+00	F2 2.9772191E-01	F4 1.3535384E-01	G2 9.9656078E-02	G4 7.9225371E-02	G6 6.2422615E-02
(4F+,5F+)	F0 1.2757838E+00	F2 2.8272804E-01	F4 1.2792267E-01	F6 8.0148472E-02	G0 7.5215752E-02	G2 9.6670959E-02
(4F+,6S+)	F0 1.0272604E+00	G3 3.5532924E-02				
(4F+,6P-)	F0 9.4049263E-01	G4 2.9146671E-02				
(4F+,6P+)	F0 7.7425859E-01	F2 9.1204596E-02	G2 1.8329892E-02	G4 1.8262616E-02		
(4F+,6D-)	F0 4.6633823E-01	F2 2.9407308E-02	G3 6.0956399E-03	G5 5.2614070E-03		
(4F+,7S+)	F0 3.6286745E-01	G3 3.0546124E-03				
(5S+,5S+)	F0 1.7049642E+00					
(5S+,5P-)	F0 1.6844528E+00	G1 1.1584876E+00				
(5S+,5P+)	F0 1.5508775E+00	G1 9.4176610E-01				
(5S+,5D-)	F0 1.4788165E+00	G2 6.5633881E-01				
(5S+,5D+)	F0 1.4388447E+00	G2 5.9412724E-01				
(5S+,5F-)	F0 1.1968169E+00	G3 3.0511554E-01				
(5S+,5F+)	F0 1.1689430E+00	G3 2.8305687E-01				
(5S+,6S+)	F0 9.6600562E-01	G0 5.0021259E-02				
(5S+,6P-)	F0 8.9033297E-01	G1 5.6045579E-02				
(5S+,6P+)	F0 7.4271185E-01	G1 5.5116416E-02				
(5S+,6D-)	F0 4.5701433E-01	G2 1.8019194E-02				
(5S+,7S+)	F0 3.5748343E-01	G0 3.8889399E-03				
(5P-,5P-)	F0 1.6649638E+00					
(5P-,5P+)	F0 1.5362628E+00	G2 7.3629303E-01				
(5P-,5D-)	F0 1.4663068E+00	G1 8.6346089E-01				
(5P-,5D+)	F0 1.4274748E+00	G3 4.9846488E-01				
(5P-,5F-)	F0 1.1900592E+00	G2 3.9216636E-01				
(5P-,5F+)	F0 1.1626587E+00	G4 2.4974543E-01				
(5P-,6S+)	F0 9.6285057E-01	G1 6.9215351E-02				
(5P-,6P-)	F0 8.8781785E-01	G0 4.3772089E-02				
(5P-,6P+)	F0 7.4104746E-01	G2 4.6672520E-02				
(5P-,6D-)	F0 4.5651653E-01	G1 2.0660981E-02				
(5P-,7S+)	F0 3.5720984E-01	G1 5.4382195E-03				
(5P+,5P+)	F0 1.4410777E+00	F2 7.7188597E-01				
(5P+,5D-)	F0 1.3841479E+00	F2 7.3049421E-01	G1 9.2980497E-01	G3 5.8857843E-01		
(5P+,5D+)	F0 1.3530205E+00	F2 7.0938127E-01	G1 8.9667419E-01	G3 5.6635289E-01		
(5P+,5F-)	F0 1.1457622E+00	F2 5.4139650E-01	G2 4.7609556E-01	G4 3.2589309E-01		
(5P+,5F+)	F0 1.1214948E+00	F2 5.2190612E-01	G2 4.5253487E-01	G4 3.0951659E-01		
(5P+,6S+)	F0 9.4160938E-01	G1 1.0202102E-01				
(5P+,6P-)	F0 8.7061837E-01	G2 7.4018085E-02				
(5P+,6P+)	F0 7.3004260E-01	F2 1.9755708E-01	G0 3.2409612E-02	G2 4.3724752E-02		

TABLE 1.– CONTINUED

RUTHERFORDIUM 6D2 Z=104

(5P+,6D-)	F0	4.5322694E-01	F2	7.0317742E-02	G1	1.5473351E-02	G3	1.3192458E-02		
(5P+,7S+)	F0	3.5537140E-01	G1	7.1554564E-03						
(5D-,5D-)	F0	1.3342766E+00	F2	7.0166015E-01						
(5D-,5D+)	F0	1.3067482E+00	F2	6.8643715E-01	G2	6.8279809E-01	G4	4.6665647E-01		
(5D-,5F-)	F0	1.1167334E+00	F2	5.4158552E-01	G1	6.5614738E-01	G3	4.0764184E-01		
(5D-,5F+)	F0	1.0942561E+00	F2	5.2428931E-01	G3	3.8959226E-01	G5	2.7904139E-01		
(5D-,6S+)	F0	9.2829910E-01	G2	1.4711203E-01						
(5D-,6P-)	F0	8.6011645E-01	G1	1.1411884E-01						
(5D-,6P+)	F0	7.2355411E-01	F2	2.1403181E-01	G1	5.1197897E-02	G3	5.1333414E-02		
(5D-,6D-)	F0	4.5136749E-01	F2	7.7635288E-02	G0	1.1825934E-02	G2	1.5053222E-02		
(5D-,7S+)	F0	3.5425368E-01	G2	9.3331651E-03						
(5D+,5D+)	F0	1.2813094E+00	F2	6.7481012E-01	F4	4.6080192E-01				
(5D+,5F-)	F0	1.1008004E+00	F2	5.4209675E-01	F4	3.5661586E-01	G1	6.6427568E-01	G3	4.1346654E-01	G5	2.9620862E-01
(5D+,5F+)	F0	1.0793195E+00	F2	5.2601194E-01	F4	3.4438523E-01	G1	6.4055369E-01	G3	3.9803723E-01	G5	2.8500065E-01
(5D+,6S+)	F0	9.2086333E-01	G2	1.6909324E-01						
(5D+,6P-)	F0	8.5421523E-01	G3	1.1477606E-01						
(5D+,6P+)	F0	7.1992067E-01	F2	2.2294494E-01	G1	5.7561979E-02	G3	5.6418305E-02		
(5D+,6D-)	F0	4.5031600E-01	F2	8.1563748E-02	G2	1.5350892E-02	G4	1.3316254E-02		
(5D+,7S+)	F0	3.5363238E-01	G2	1.0210310E-02						
(5F-,5F-)	F0	9.7640028E-01	F2	4.8523853E-01	F4	3.1822859E-01				
(5F-,5F+)	F0	9.6089213E-01	F2	4.7662613E-01	F4	3.1220517E-01	G2	4.7560973E-01	G4	3.1166407E-01	G6	2.2940158E-01
(5F-,6S+)	F0	8.5102176E-01	G3	2.4399343E-01						
(5F-,6P-)	F0	7.9786286E-01	G2	2.4532750E-01						
(5F-,6P+)	F0	6.8578330E-01	F2	2.7166058E-01	G2	1.4787390E-01	G4	1.1263148E-01		
(5F-,6D-)	F0	4.4082480E-01	F2	1.1356586E-01	G1	5.1673780E-02	G3	3.9725557E-02		
(5F-,7S+)	F0	3.4825196E-01	G3	1.4195836E-02						
(5F+,5F+)	F0	9.4605606E-01	F2	4.6885249E-01	F4	3.0687608E-01	F6	2.2575193E-01		
(5F+,6S+)	F0	8.4153028E-01	G3	2.5011701E-01						
(5F+,6P-)	F0	7.9002782E-01	G4	1.8593440E-01						
(5F+,6P+)	F0	6.8083478E-01	F2	2.7579366E-01	G2	1.5736171E-01	G4	1.1865387E-01		
(5F+,6D-)	F0	4.3937737E-01	F2	1.1725452E-01	G3	4.3350186E-02	G5	3.2671397E-02		
(5F+,7S+)	F0	3.4750252E-01	G3	1.5167677E-02						
(6S+,6S+)	F0	7.8449795E-01								
(6S+,6P-)	F0	7.4552647E-01	G1	5.1485593E-01						
(6S+,6P+)	F0	6.5611573E-01	G1	3.5889728E-01						
(6S+,6D-)	F0	4.3322696E-01	G2	8.3662924E-02						
(6S+,7S+)	F0	3.4331577E-01	G0	1.1622312E-02						
(6P-,6P-)	F0	7.1267393E-01								
(6P-,6P+)	F0	6.3517404E-01	G2	3.0702127E-01						
(6P-,6D-)	F0	4.2734059E-01	G1	1.3991204E-01						
(6P-,7S+)	F0	3.4056553E-01	G1	1.9005312E-02						
(6P+,6P+)	F0	5.8245511E-01	F2	3.1671036E-01						
(6P+,6D-)	F0	4.1101711E-01	F2	1.8248179E-01	G1	2.0406411E-01	G3	1.2503730E-01		
(6P+,7S+)	F0	3.3360197E-01	G1	4.3363471E-02						
(6D-,6D-)	F0	3.3130791E-01	F2	1.6216022E-01						
(6D-,7S+)	F0	2.9120777E-01	G2	1.1648323E-01						
(7S+,7S+)	F0	2.6947445E-01								

TABLE 1.– CONTINUED

HAHNIUM 6D3 Z=105

(1S+,1S+)	F0	8.7899462E+01		
(1S+,2S+)	F0	3.0313370E+01	G0	4.4862694E+00
(1S+,2P-)	F0	3.7008533E+01	G1	5.2081567E+00
(1S+,2P+)	F0	2.6060117E+01	G1	3.7355114E+00
(1S+,3S+)	F0	1.2151070E+01	G0	9.4386550E-01
(1S+,3P-)	F0	1.3560827E+01	G1	1.0691418E+00
(1S+,3P+)	F0	1.0567484E+01	G1	9.2421616E-01
(1S+,3D-)	F0	1.0639766E+01	G2	2.8254936E-02
(1S+,3D+)	F0	9.9569499E+00	G2	3.6015143E-02
(1S+,4S+)	F0	5.5902222E+00	G0	2.6065920E-01
(1S+,4P-)	F0	5.9085743E+00	G1	2.8755590E-01
(1S+,4P+)	F0	4.8240255E+00	G1	2.5728445E-01
(1S+,4D-)	F0	4.6984963E+00	G2	9.0726393E-03
(1S+,4D+)	F0	4.4555198E+00	G2	1.1704753E-02
(1S+,4F-)	F0	4.2319429E+00	G3	4.2110034E-05
(1S+,4F+)	F0	4.1405546E+00	G3	6.4094502E-05
(1S+,5S+)	F0	2.6965794E+00	G0	7.4351717E-02
(1S+,5P-)	F0	2.7112085E+00	G1	7.8355018E-02
(1S+,5P+)	F0	2.2537096E+00	G1	6.9079246E-02
(1S+,5D-)	F0	2.0502031E+00	G2	2.2152433E-03
(1S+,5D+)	F0	1.9485745E+00	G2	2.8212004E-03
(1S+,5F-)	F0	1.4826860E+00	G3	7.3714580E-06
(1S+,5F+)	F0	1.4382303E+00	G3	1.0906707E-05
(1S+,6S+)	F0	1.1811269E+00	G0	1.5577557E-02
(1S+,6P-)	F0	1.0874082E+00	G1	1.4067710E-02
(1S+,6P+)	F0	6.6444439E-01	G1	1.0446558E-02
(1S+,6D-)	F0	5.2886948E-01	G2	1.2892606E-04
(1S+,7S+)	F0	3.9136801E-01	G0	1.4602902E-03
(2S+,2S+)	F0	2.0128660E+01		
(2S+,2P-)	F0	2.2196081E+01	G1	1.0346121E+01
(2S+,2P+)	F0	1.9313333E+01	G1	1.0976285E+01
(2S+,3S+)	F0	9.9547697E+00	G0	1.0296706E+00
(2S+,3P-)	F0	1.0697834E+01	G1	8.9123771E-01
(2S+,3P+)	F0	9.1249088E+00	G1	7.7819441E-01
(2S+,3D-)	F0	1.0232179E+01	G2	1.9986724E+00
(2S+,3D+)	F0	9.6841476E+00	G2	1.8220777E+00
(2S+,4S+)	F0	4.9757296E+00	G0	2.4448872E-01
(2S+,4P-)	F0	5.1387943E+00	G1	2.1679903E-01
(2S+,4P+)	F0	4.4251877E+00	G1	1.8010534E-01
(2S+,4D-)	F0	4.5781094E+00	G2	4.7349755E-01
(2S+,4D+)	F0	4.3745203E+00	G2	4.4387004E-01
(2S+,4F-)	F0	4.2288811E+00	G3	3.2811594E-02
(2S+,4F+)	F0	4.1382912E+00	G3	3.1574783E-02
(2S+,5S+)	F0	2.5206038E+00	G0	6.7118895E-02
(2S+,5P-)	F0	2.5013601E+00	G1	5.7614500E-02
(2S+,5P+)	F0	2.1471651E+00	G1	4.6191987E-02
(2S+,5D-)	F0	2.0213733E+00	G2	1.0764779E-01
(2S+,5D+)	F0	1.9294596E+00	G2	9.9953641E-02
(2S+,5F-)	F0	1.4821628E+00	G3	5.4320957E-03
(2S+,5F+)	F0	1.4378548E+00	G3	5.0881945E-03
(2S+,6S+)	F0	1.1442184E+00	G0	1.3923582E-02
(2S+,6P-)	F0	1.0497271E+00	G1	1.0281427E-02
(2S+,6P+)	F0	8.4835038E-01	G1	6.9139070E-03
(2S+,6D-)	F0	5.2719724E-01	G2	6.1876420E-03
(2S+,7S+)	F0	3.8790749E-01	G0	1.3031411E-03

TABLE 1.– CONTINUED

HAHNIUM 6D3 Z=105

(2P-,2P-)	F0	2.5781576E+01						
(2P-,2P+)	F0	2.1455561E+01	G2	8.1856348E+00				
(2P-,3S+)	F0	1.0355568E+01	G1	1.0056938E+00				
(2P-,3P-)	F0	1.1294347E+01	G0	1.4532768E+00				
(2P-,3P+)	F0	9.5482324E+00	G2	9.9198447E-01				
(2P-,3D-)	F0	1.0401666E+01	G1	1.9434559E+00				
(2P-,3D+)	F0	9.8034171E+00	G3	8.9798442E-01				
(2P-,4S+)	F0	5.0860451E+00	G1	2.4890147E-01				
(2P-,4P-)	F0	5.2952767E+00	G0	3.3683877E-01				
(2P-,4P+)	F0	4.5385663E+00	G2	2.4553617E-01				
(2P-,4D-)	F0	4.6270666E+00	G1	4.8335515E-01				
(2P-,4D+)	F0	4.4093169E+00	G3	2.3058436E-01				
(2P-,4F-)	F0	4.2303844E+00	G2	2.3555952E-02				
(2P-,4F+)	F0	4.1394221E+00	G4	1.3556035E-02				
(2P-,5S+)	F0	2.5520611E+00	G1	6.9036730E-02				
(2P-,5P-)	F0	2.5437498E+00	G0	8.8433254E-02				
(2P-,5P+)	F0	2.1773110E+00	G2	6.3975395E-02				
(2P-,5D-)	F0	2.0330340E+00	G1	1.1121013E-01				
(2P-,5D+)	F0	1.9376362E+00	G3	5.2599881E-02				
(2P-,5F-)	F0	1.4824190E+00	G2	3.9182920E-03				
(2P-,5F+)	F0	1.4380420E+00	G4	2.1949491E-03				
(2P-,6S+)	F0	1.1508088E+00	G1	1.4351080E-02				
(2P-,6P-)	F0	1.0573270E+00	G0	1.5734499E-02				
(2P-,6P+)	F0	8.5289918E-01	G2	9.6091952E-03				
(2P-,6D-)	F0	5.2787296E-01	G1	6.4058603E-03				
(2P-,7S+)	F0	3.8852529E-01	G1	1.3436960E-03				
(2P+,2P+)	F0	1.8951554E+01	F2	8.9490524E+00				
(2P+,3S+)	F0	9.7863295E+00	G1	1.0134679E+00				
(2P+,3P-)	F0	1.0537599E+01	G2	1.1849327E+00				
(2P+,3P+)	F0	9.0607904E+00	F2	2.3174014E+00	G0	9.5209576E-01	G2	1.0234637E+00
(2P+,3D-)	F0	1.0167680E+01	F2	3.2483114E+00	G1	2.8063257E+00	G3	1.6126841E+00
(2P+,3D+)	F0	9.6319029E+00	F2	2.8874008E+00	G1	2.6994329E+00	G3	1.5531143E+00
(2P+,4S+)	F0	4.9287400E+00	G1	2.3661414E-01				
(2P+,4P-)	F0	5.0946752E+00	G2	2.7437557E-01				
(2P+,4P+)	F0	4.4078113E+00	F2	6.1247174E-01	G0	2.1559906E-01	G2	2.5089806E-01
(2P+,4D-)	F0	4.5620511E+00	F2	7.4932257E-01	G1	6.0999344E-01	G3	3.6334041E-01
(2P+,4D+)	F0	4.3612046E+00	F2	6.7313117E-01	G1	6.1182609E-01	G3	3.6329784E-01
(2P+,4F-)	F0	4.2275331E+00	F2	3.5531706E-01	G2	5.5579158E-02	G4	3.5901529E-02
(2P+,4F+)	F0	4.1371847E+00	F2	3.3064973E-01	G2	5.4853213E-02	G4	3.5420111E-02
(2P+,5S+)	F0	2.5071550E+00	G1	6.4749065E-02				
(2P+,5P-)	F0	2.4892579E+00	G2	7.2152236E-02				
(2P+,5P+)	F0	2.1425263E+00	F2	1.6151110E-01	G0	5.4950119E-02	G2	6.5210001E-02
(2P+,5D-)	F0	2.0176755E+00	F2	1.6961220E-01	G1	1.3630800E-01	G3	8.1894704E-02
(2P+,5D+)	F0	1.9264258E+00	F2	1.5042750E-01	G1	1.3581555E-01	G3	8.1256091E-02
(2P+,5F-)	F0	1.4819388E+00	F2	4.9794583E-02	G2	9.0287883E-03	G4	5.8460826E-03
(2P+,5F+)	F0	1.4376760E+00	F2	4.5059501E-02	G2	8.6873485E-03	G4	5.6223329E-03
(2P+,6S+)	F0	1.1413981E+00	G1	1.3421350E-02				
(2P+,6P-)	F0	1.0475506E+00	G2	1.2843889E-02				
(2P+,6P+)	F0	8.4764974E-01	F2	2.4590117E-02	G0	8.2127712E-03	G2	9.7891060E-03
(2P+,6D-)	F0	5.2698420E-01	F2	9.9289085E-03	G1	7.8123498E-03	G3	4.7008032E-03
(2P+,7S+)	F0	3.8764306E-01	G1	1.2559761E-03				
(3S+,3S+)	F0	7.5326122E+00						
(3S+,3P-)	F0	7.8007139E+00	G1	4.6937267E+00				
(3S+,3P+)	F0	7.1114907E+00	G1	4.4723278E+00				
(3S+,3D-)	F0	7.6634441E+00	G2	3.1790247E+00				

TABLE 1.– CONTINUED

HAHNIUM 6D3 Z=105

(3S+,3D+)	F0	7.4785605E+00	G2	3.2263757E+00				
(3S+,4S+)	F0	4.3656347E+00	G0	3.5225690E-01				
(3S+,4P-)	F0	4.4442121E+00	G1	3.5142123E-01				
(3S+,4P+)	F0	3.9172164E+00	G1	4.0127148E-01				
(3S+,4D-)	F0	4.0260117E+00	G2	2.4258192E-01				
(3S+,4D+)	F0	3.8920532E+00	G2	2.3630423E-01				
(3S+,4F-)	F0	4.1087026E+00	G3	7.0369824E-01				
(3S+,4F+)	F0	4.0328973E+00	G3	6.7227768E-01				
(3S+,5S+)	F0	2.3491358E+00	G0	8.0987356E-02				
(3S+,5P-)	F0	2.3155395E+00	G1	8.0129720E-02				
(3S+,5P+)	F0	2.0135230E+00	G1	8.9146129E-02				
(3S+,5D-)	F0	1.8967993E+00	G2	5.1543638E-02				
(3S+,5D+)	F0	1.8220176E+00	G2	4.7863751E-02				
(3S+,5F-)	F0	1.4635097E+00	G3	9.2447208E-02				
(3S+,5F+)	F0	1.4219267E+00	G3	8.6618585E-02				
(3S+,6S+)	F0	1.1084201E+00	G0	1.6124528E-02				
(3S+,6P-)	F0	1.0165022E+00	G1	1.3821949E-02				
(3S+,6P+)	F0	8.2822977E-01	G1	1.2951266E-02				
(3S+,6D-)	F0	5.2004314E-01	G2	2.9369728E-03				
(3S+,7S+)	F0	3.8455353E-01	G0	1.4993347E-03				
(3P-,3P-)	F0	8.1451248E+00						
(3P-,3P+)	F0	7.3385187E+00	G2	3.1823262E+00				
(3P-,3D-)	F0	7.9684535E+00	G1	4.5302284E+00				
(3P-,3D+)	F0	7.7532235E+00	G3	2.8093424E+00				
(3P-,4S+)	F0	4.4275588E+00	G1	4.2177993E-01				
(3P-,4P-)	F0	4.5196241E+00	G0	4.1023271E-01				
(3P-,4P+)	F0	3.9716263E+00	G2	3.8898622E-01				
(3P-,4D-)	F0	4.0824566E+00	G1	2.7767116E-01				
(3P-,4D+)	F0	3.9442290E+00	G3	2.7335147E-01				
(3P-,4F-)	F0	4.1301362E+00	G2	7.8002577E-01				
(3P-,4F+)	F0	4.0520262E+00	G4	4.8173577E-01				
(3P-,5S+)	F0	2.3663140E+00	G1	1.0060669E-01				
(3P-,5P-)	F0	2.3354456E+00	G0	9.1721518E-02				
(3P-,5P+)	F0	2.0277221E+00	G2	9.0851138E-02				
(3P-,5D-)	F0	1.9092349E+00	G1	5.4135322E-02				
(3P-,5D+)	F0	1.8333575E+00	G3	5.5014836E-02				
(3P-,5F-)	F0	1.4667687E+00	G2	1.0372781E-01				
(3P-,5F+)	F0	1.4247639E+00	G4	6.3453749E-02				
(3P-,6S+)	F0	1.1119955E+00	G1	2.0189708E-02				
(3P-,6P-)	F0	1.0200508E+00	G0	1.5761369E-02				
(3P-,6P+)	F0	8.3036397E-01	G2	1.3337729E-02				
(3P-,6D-)	F0	5.2075457E-01	G1	3.0408202E-03				
(3P-,7S+)	F0	3.8488834E-01	G1	1.8796482E-03				
(3P+,3P+)	F0	6.7761015E+00	F2	3.3307166E+00				
(3P+,3D-)	F0	7.2153452E+00	F2	3.3364704E+00	G1	3.4247097E+00	G3	2.2817860E+00
(3P+,3D+)	F0	7.0597907E+00	F2	3.3561497E+00	G1	3.5656016E+00	G3	2.3762384E+00
(3P+,4S+)	F0	4.2757678E+00	G1	4.5292462E-01				
(3P+,4P-)	F0	4.3507257E+00	G2	4.7902052E-01				
(3P+,4P+)	F0	3.8472856E+00	F2	1.1450408E+00	G0	3.1972537E-01	G2	3.6501836E-01
(3P+,4D-)	F0	3.9500367E+00	F2	1.1831231E+00	G1	2.9991008E-01	G3	2.9585655E-01
(3P+,4D+)	F0	3.8203675E+00	F2	1.1120224E+00	G1	2.5528046E-01	G3	2.6807497E-01
(3P+,4F-)	F0	4.0551441E+00	F2	1.5094484E+00	G2	1.0730565E+00	G4	7.1467828E-01
(3P+,4F+)	F0	3.9838755E+00	F2	1.4547614E+00	G2	1.0384140E+00	G4	6.9244117E-01
(3P+,5S+)	F0	2.3245018E+00	G1	9.9449697E-02				
(3P+,5P-)	F0	2.2911018E+00	G2	1.0511201E-01				

TABLE 1.– CONTINUED

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(3P+,5P+)	F0	1.9955876E+00	F2	3.0828938E-01	G0	6.9148727E-02	G2	8.3957319E-02		
(3P+,5D-)	F0	1.8800613E+00	F2	2.7415412E-01	G1	6.4072638E-02	G3	6.3312871E-02		
(3P+,5D+)	F0	1.8064862E+00	F2	2.5372034E-01	G1	5.3649640E-02	G3	5.6496734E-02		
(3P+,5F-)	F0	1.4558980E+00	F2	1.9808059E-01	G2	1.2887183E-01	G4	8.7582164E-02		
(3P+,5F+)	F0	1.4151168E+00	F2	1.8649404E-01	G2	1.2278197E-01	G4	8.3475320E-02		
(3P+,6S+)	F0	1.1033069E+00	G1	1.9646387E-02						
(3P+,6P-)	F0	1.0121545E+00	G2	1.8015785E-02						
(3P+,6P+)	F0	8.2554345E-01	F2	4.8544901E-02	G0	9.9984825E-03	G2	1.2287321E-02		
(3P+,6D-)	F0	5.1908544E-01	F2	1.7148011E-02	G1	3.6467853E-03	G3	3.6031427E-03		
(3P+,7S+)	F0	3.8407491E-01	G1	1.8246820E-03						
(3D-,3D-)	F0	7.9700208E+00	F2	4.0125232E+00						
(3D-,3D+)	F0	7.7552610E+00	F2	3.9303504E+00	G2	3.7746878E+00	G4	2.4309795E+00		
(3D-,4S+)	F0	4.3930149E+00	G2	4.0989100E-01						
(3D-,4P-)	F0	4.4752437E+00	G1	4.3437435E-01						
(3D-,4P+)	F0	3.9430000E+00	F2	1.0275333E+00	G1	3.2753534E-01	G3	3.2227738E-01		
(3D-,4D-)	F0	4.0830154E+00	F2	1.1284667E+00	G0	3.7012291E-01	G2	4.5269898E-01		
(3D-,4D+)	F0	3.9468194E+00	F2	1.0698770E+00	G2	4.1710501E-01	G4	3.2439004E-01		
(3D-,4F-)	F0	4.1207842E+00	F2	1.2647634E+00	G1	1.0858895E+00	G3	6.4132834E-01		
(3D-,4F+)	F0	4.0430856E+00	F2	1.2100236E+00	G3	5.9531492E-01	G5	4.1319085E-01		
(3D-,5S+)	F0	2.3565668E+00	G2	9.6778505E-02						
(3D-,5P-)	F0	2.3234552E+00	G1	9.4750764E-02						
(3D-,5P+)	F0	2.0202090E+00	F2	2.7410222E-01	G1	7.3974711E-02	G3	7.6399302E-02		
(3D-,5D-)	F0	1.9091737E+00	F2	2.5761954E-01	G0	6.9820877E-02	G2	9.2404555E-02		
(3D-,5D+)	F0	1.8338443E+00	F2	2.4062526E-01	G2	8.3922840E-02	G4	6.7161019E-02		
(3D-,5F-)	F0	1.4656110E+00	F2	1.6841738E-01	G1	1.3702503E-01	G3	8.2924800E-02		
(3D-,5F+)	F0	1.4236674E+00	F2	1.5727434E-01	G3	7.5226033E-02	G5	5.2721026E-02		
(3D-,6S+)	F0	1.1099577E+00	G2	1.9416585E-02						
(3D-,6P-)	F0	1.0179017E+00	G1	1.6222362E-02						
(3D-,6P+)	F0	8.2923307E-01	F2	4.2794523E-02	G1	1.0786269E-02	G3	1.1251286E-02		
(3D-,6D-)	F0	5.2074909E-01	F2	1.5808546E-02	G0	3.8947955E-03	G2	5.2195509E-03		
(3D-,7S+)	F0	3.8469737E-01	G2	1.8076917E-03						
(3D+,3D+)	F0	7.5623039E+00	F2	3.8731639E+00	F4	2.4965534E+00				
(3D+,4S+)	F0	4.3502760E+00	G2	4.2780536E-01						
(3D+,4P-)	F0	4.4278580E+00	G3	4.4296724E-01						
(3D+,4P+)	F0	3.9070253E+00	F2	1.0649029E+00	G1	3.3019614E-01	G3	3.3429927E-01		
(3D+,4D-)	F0	4.0416448E+00	F2	1.1579309E+00	G2	4.2818982E-01	G4	3.4098890E-01		
(3D+,4D+)	F0	3.9091934E+00	F2	1.0977833E+00	F4	5.4202032E-01	G0	3.4179804E-01	G2	4.3194269E-01	G4	3.4005762E-01
(3D+,4F-)	F0	4.1029947E+00	F2	1.3388407E+00	F4	7.1687749E-01	G1	1.1486329E+00	G3	6.8147858E-01	G5	4.7310423E-01
(3D+,4F+)	F0	4.0269942E+00	F2	1.2832570E+00	F4	6.7937692E-01	G1	1.1230140E+00	G3	6.6648111E-01	G5	4.6274930E-01
(3D+,5S+)	F0	2.3447411E+00	G2	9.8668832E-02						
(3D+,5P-)	F0	2.3109656E+00	G3	1.0084032E-01						
(3D+,5P+)	F0	2.0108566E+00	F2	2.8478552E-01	G1	7.3842086E-02	G3	7.8665535E-02		
(3D+,5D-)	F0	1.8999620E+00	F2	2.6510985E-01	G2	8.6662441E-02	G4	7.1211778E-02		
(3D+,5D+)	F0	1.8255835E+00	F2	2.4758699E-01	F4	1.1117197E-01	G0	6.3285854E-02	G2	8.6643923E-02	G4	7.0253992E-02
(3D+,5F-)	F0	1.4630252E+00	F2	1.7779472E-01	F4	8.6540847E-02	G1	1.4138155E-01	G3	8.6044345E-02	G5	6.0408685E-02
(3D+,5F+)	F0	1.4213861E+00	F2	1.6635412E-01	F4	8.0202778E-02	G1	1.3586536E-01	G3	8.2768264E-02	G5	5.8082651E-02
(3D+,6S+)	F0	1.1074976E+00	G2	1.9713981E-02						
(3D+,6P-)	F0	1.0156757E+00	G3	1.7427997E-02						
(3D+,6P+)	F0	8.2782843E-01	F2	4.4573004E-02	G1	1.0747233E-02	G3	1.1568653E-02		
(3D+,6D-)	F0	5.2022120E-01	F2	1.6347046E-02	G2	4.8887128E-03	G4	4.0377151E-03		
(3D+,7S+)	F0	3.8446702E-01	G2	1.8342266E-03						
(4S+,4S+)	F0	3.4868938E+00								
(4S+,4P-)	F0	3.5144541E+00	G1	2.3194997E+00						
(4S+,4P+)	F0	3.2402869E+00	G1	2.0338383E+00						
(4S+,4D-)	F0	3.2936164E+00	G2	1.6078794E+00						

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TABLE 1.– CONTINUED

(4S+,4D+)	F0	3.2202730E+00	G2	1.5501751E+00				
(4S+,4F-)	F0	3.3469338E+00	G3	1.2065594E+00				
(4S+,4F+)	F0	3.3140744E+00	G3	1.2056535E+00				
(4S+,5S+)	F0	2.1279396E+00	G0	1.4494593E-01				
(4S+,5P-)	F0	2.0928343E+00	G1	1.6267260E-01				
(4S+,5P+)	F0	1.8474562E+00	G1	1.8783059E-01				
(4S+,5D-)	F0	1.7425890E+00	G2	1.3620224E-01				
(4S+,5D+)	F0	1.6814376E+00	G2	1.4126586E-01				
(4S+,5F-)	F0	1.3718746E+00	G3	5.5184933E-02				
(4S+,5F+)	F0	1.3372238E+00	G3	5.5273124E-02				
(4S+,5S+)	F0	1.0630632E+00	G0	2.4370620E-02				
(4S+,6P-)	F0	9.7734267E-01	G1	2.4510185E-02				
(4S+,6P+)	F0	8.0351223E-01	G1	2.4362099E-02				
(4S+,6D-)	F0	5.1126408E-01	G2	6.9811624E-03				
(4S+,7S+)	F0	3.8031556E-01	G0	2.2114978E-03				
(4P-,4P-)	F0	3.5463795E+00						
(4P-,4P+)	F0	3.2606078E+00	G2	1.5018525E+00				
(4P-,4D-)	F0	3.3165582E+00	G1	2.0958960E+00				
(4P-,4D+)	F0	3.2406054E+00	G3	1.2456233E+00				
(4P-,4F-)	F0	3.3697465E+00	G2	1.4847400E+00				
(4P-,4F+)	F0	3.3357717E+00	G4	1.0421870E+00				
(4P-,5S+)	F0	2.1346926E+00	G1	1.8896588E-01				
(4P-,5P-)	F0	2.1003104E+00	G0	1.4962750E-01				
(4P-,5P+)	F0	1.8525977E+00	G2	1.6683662E-01				
(4P-,5D-)	F0	1.7474732E+00	G1	1.6046912E-01				
(4P-,5D+)	F0	1.6858032E+00	G3	1.3129866E-01				
(4P-,5F-)	F0	1.3744551E+00	G2	6.3053109E-02				
(4P-,5F+)	F0	1.3396427E+00	G4	5.5255765E-02				
(4P-,6S+)	F0	1.0644426E+00	G1	3.2749464E-02				
(4P-,6P-)	F0	9.7865190E-01	G0	2.2008450E-02				
(4P-,6P+)	F0	8.0427869E-01	G2	2.2251469E-02				
(4P-,6D-)	F0	5.1154140E-01	G1	8.1264959E-03				
(4P-,7S+)	F0	3.8044438E-01	G1	2.9843720E-03				
(4P+,4P+)	F0	3.0511350E+00	F2	1.5794798E+00				
(4P+,4D-)	F0	3.0879915E+00	F2	1.5656835E+00	G1	1.9127693E+00	G3	1.2239865E+00
(4P+,4D+)	F0	3.0302285E+00	F2	1.5458877E+00	G1	1.9267312E+00	G3	1.2267410E+00
(4P+,4F-)	F0	3.1186557E+00	F2	1.5505189E+00	G2	1.2303256E+00	G4	8.9484020E-01
(4P+,4F+)	F0	3.0928065E+00	F2	1.5492006E+00	G2	1.2452717E+00	G4	9.0443921E-01
(4P+,5S+)	F0	2.0748157E+00	G1	2.2784585E-01				
(4P+,5P-)	F0	2.0412418E+00	G2	2.1652084E-01				
(4P+,5P+)	F0	1.8082454E+00	F2	5.7511479E-01	G0	1.2212189E-01	G2	1.5473042E-01
(4P+,5D-)	F0	1.7066282E+00	F2	5.0254916E-01	G1	1.0608511E-01	G3	1.1080164E-01
(4P+,5D+)	F0	1.6480591E+00	F2	4.6867084E-01	G1	1.0851607E-01	G3	1.0810883E-01
(4P+,5F-)	F0	1.3500898E+00	F2	3.0967817E-01	G2	4.7698869E-02	G4	4.6611565E-02
(4P+,5F+)	F0	1.3165067E+00	F2	2.9459518E-01	G2	4.5504256E-02	G4	4.4642662E-02
(4P+,6S+)	F0	1.0524222E+00	G1	3.5304714E-02				
(4P+,6P-)	F0	9.6846102E-01	G2	3.1266100E-02				
(4P+,6P+)	F0	7.9778814E-01	F2	9.9388014E-02	G0	1.5244312E-02	G2	2.0331245E-02
(4P+,6D-)	F0	5.0925071E-01	F2	3.6250321E-02	G1	5.4125583E-03	G3	5.8654357E-03
(4P+,7S+)	F0	3.7932469E-01	G1	3.1748754E-03				
(4D-,4D-)	F0	3.1372981E+00	F2	1.5840223E+00				
(4D-,4D+)	F0	3.0748007E+00	F2	1.5542194E+00	G2	1.5372795E+00	G4	1.0404261E+00
(4D-,4F-)	F0	3.1694184E+00	F2	1.5714563E+00	G1	1.6886447E+00	G3	1.1356659E+00
(4D-,4F+)	F0	3.1415394E+00	F2	1.5675735E+00	G3	1.1313241E+00	G5	8.2174520E-01
(4D-,5S+)	F0	2.0858144E+00	G2	2.4311656E-01				

TABLE 1.– CONTINUED

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(4D-,5P-)	F0	2.0520971E+00	G1	2.2630727E-01						
(4D-,5P+)	F0	1.8164724E+00	F2	5.6329685E-01	G1	1.5253627E-01	G3	1.5318180E-01		
(4D-,5D-)	F0	1.7160892E+00	F2	4.9794755E-01	G0	1.2033841E-01	G2	1.4565314E-01		
(4D-,5D+)	F0	1.6568049E+00	F2	4.6424373E-01	G2	1.3813599E-01	G4	1.1655582E-01		
(4D-,5F-)	F0	1.3552169E+00	F2	3.0484423E-01	G1	5.3079673E-02	G3	5.9558284E-02		
(4D-,5F+)	F0	1.3213733E+00	F2	2.9021566E-01	G3	5.6806975E-02	G5	4.8679650E-02		
(4D-,6S+)	F0	1.0546627E+00	G2	3.8063750E-02						
(4D-,6P-)	F0	9.7035035E-01	G1	3.0100929E-02						
(4D-,6P+)	F0	7.9899824E-01	F2	9.7076897E-02	G1	1.9350504E-02	G3	2.0262439E-02		
(4D-,6D-)	F0	5.0978282E-01	F2	3.5677409E-02	G0	6.0107179E-03	G2	7.5950808E-03		
(4D-,7S+)	F0	3.7953373E-01	G2	3.4326476E-03						
(4D+,4D+)	F0	3.0170852E+00	F2	1.5322169E+00	F4	1.0362871E+00				
(4D+,4F-)	F0	3.1029171E+00	F2	1.5275366E+00	F4	9.8542922E-01	G1	1.5862415E+00	G3	1.0761859E+00	G5	7.8488842E-01
(4D+,4F+)	F0	3.0770101E+00	F2	1.5259477E+00	F4	9.8797005E-01	G1	1.6082136E+00	G3	1.0900174E+00	G5	7.9473664E-01
(4D+,5S+)	F0	2.0692735E+00	G2	2.6620119E-01						
(4D+,5P-)	F0	2.0358900E+00	G3	2.3947485E-01						
(4D+,5P+)	F0	1.8043314E+00	F2	5.8032650E-01	G1	1.5636922E-01	G3	1.5914008E-01		
(4D+,5D-)	F0	1.7049676E+00	F2	5.1240379E-01	G2	1.4429678E-01	G4	1.2488335E-01		
(4D+,5D+)	F0	1.6465866E+00	F2	4.7777681E-01	F4	2.3421925E-01	G0	1.1277318E-01	G2	1.3833005E-01	G4	1.1819668E-01
(4D+,5F-)	F0	1.3488310E+00	F2	3.1467220E-01	F4	1.3582761E-01	G1	5.3042089E-02	G3	5.9431585E-02	G5	5.1251105E-02
(4D+,5F+)	F0	1.3153134E+00	F2	2.9938227E-01	F4	1.2827241E-01	G1	5.0258671E-02	G3	5.6799167E-02	G5	4.9021828E-02
(4D+,6S+)	F0	1.0513700E+00	G2	3.9937024E-02						
(4D+,6P-)	F0	9.6757272E-01	G3	3.3458648E-02						
(4D+,6P+)	F0	7.9722499E-01	F2	1.0977818E-01	G1	1.9501169E-02	G3	2.0795643E-02		
(4D+,6D-)	F0	5.0915879E-01	F2	3.7107371E-02	G2	7.4772921E-03	G4	6.6207722E-03		
(4D+,7S+)	F0	3.7922730E-01	G2	3.5857400E-03						
(4F-,4F-)	F0	3.2572393E+00	F2	1.6995478E+00	F4	1.1025745E+00				
(4F-,4F+)	F0	3.2262020E+00	F2	1.6862391E+00	F4	1.0945822E+00	G2	1.6632109E+00	G4	1.0803196E+00	G6	7.8872556E-01
(4F-,5S+)	F0	2.0942910E+00	G3	2.3685723E-01						
(4F-,5P-)	F0	2.0597386E+00	G2	2.3801986E-01						
(4F-,5P+)	F0	1.8224165E+00	F2	5.4946349E-01	G2	1.5344446E-01	G4	1.4552034E-01		
(4F-,5D-)	F0	1.7212748E+00	F2	4.8582518E-01	G1	1.3414551E-01	G3	1.4360029E-01		
(4F-,5D+)	F0	1.6617092E+00	F2	4.5236713E-01	F4	2.2039067E-01	G1	1.2194640E-01	G3	1.3052406E-01	G5	1.1038920E-01
(4F-,5F-)	F0	1.3641258E+00	F2	3.1159800E-01	F4	1.4239767E-01	G0	8.4502218E-02	G2	1.0826458E-01	G4	8.5530401E-02
(4F-,5F+)	F0	1.3299468E+00	F2	2.9685467E-01	F4	1.3511709E-01	G2	1.0222981E-01	G4	8.0564707E-02	G6	6.3310068E-02
(4F-,6S+)	F0	1.0564180E+00	G3	3.6440020E-02						
(4F-,6P-)	F0	9.7169396E-01	G2	3.0785172E-02						
(4F-,6P+)	F0	7.9986883E-01	F2	9.4414239E-02	G2	1.9062765E-02	G4	1.8979558E-02		
(4F-,6D-)	F0	5.1007058E-01	F2	3.4618647E-02	G1	6.6296913E-03	G3	7.4172957E-03		
(4F-,7S+)	F0	2.7969744E-01	G3	3.2915180E-03						
(4F+,4F+)	F0	3.1962951E+00	F2	1.6743542E+00	F4	1.0877090E+00	F6	7.9416786E-01		
(4F+,5S+)	F0	2.0864405E+00	G3	2.4448101E-01						
(4F+,5P-)	F0	2.0520543E+00	G4	2.2073796E-01						
(4F+,5P+)	F0	1.8166995E+00	F2	5.5762565E-01	G2	1.5764087E-01	G4	1.4931901E-01		
(4F+,5D-)	F0	1.7160319E+00	F2	4.9298208E-01	G3	1.4499397E-01	G5	1.2252024E-01		
(4F+,5D+)	F0	1.6568826E+00	F2	4.5908539E-01	F4	2.2475551E-01	G1	1.2409421E-01	G3	1.3345886E-01	G5	1.1301005E-01
(4F+,5F-)	F0	1.3608837E+00	F2	3.1575717E-01	F4	1.4446790E-01	G2	1.0626224E-01	G4	8.4596796E-02	G6	6.6699505E-02
(4F+,5F+)	F0	1.3268989E+00	F2	3.0082398E-01	F4	1.3702452E-01	F6	8.6006287E-02	G0	8.0266784E-02	G2	1.0350863E-01
(4F+,6S+)	F0	1.0548590E+00	G3	3.7036062E-02						
(4F+,6P-)	F0	9.7038045E-01	G4	3.0765307E-02						
(4F+,6P+)	F0	7.9903310E-01	F2	9.6154381E-02	G2	1.9376655E-02	G4	1.9331219E-02		
(4F+,6D-)	F0	5.0977585E-01	F2	3.5297312E-02	G3	7.4447227E-03	G5	6.4335791E-03		
(4F+,7S+)	F0	3.7955233E-01	G3	3.3406470E-03						
(5S+,5S+)	F0	1.7371931E+00								
(5S+,5P-)	F0	1.7173057E+00	G1	1.1804953E+00						

TABLE 1.– CONTINUED

HAHNIUM 6D3 Z=105

(5S+,5P+)	F0	1.5781679E+00	G1	9.5295577E-01							
(5S+,5D-)	F0	1.5076456E+00	G2	6.6791960E-01							
(5S+,5D+)	F0	1.4664664E+00	G2	6.0334094E-01							
(5S+,5F-)	F0	1.2397906E+00	G3	3.2324334E-01							
(5S+,5F+)	F0	1.2128787E+00	G3	3.0091732E-01							
(5S+,6S+)	F0	9.9124210E-01	G0	5.1943930E-02							
(5S+,6P-)	F0	9.1763048E-01	G1	5.8634351E-02							
(5S+,6P+)	F0	7.6575822E-01	G1	5.8224676E-02							
(5S+,6D-)	F0	4.9841319E-01	G2	2.1780063E-02							
(5S+,7S+)	F0	3.7367954E-01	G0	4.2232173E-03							
(5P-,5P-)	F0	1.6983906E+00									
(5P-,5P+)	F0	1.5640527E+00	G2	7.4480882E-01							
(5P-,5D-)	F0	1.4954918E+00	G1	8.7756995E-01							
(5P-,5D+)	F0	1.4554286E+00	G3	5.0568859E-01							
(5P-,5F-)	F0	1.2329331E+00	G2	4.1410662E-01							
(5P-,5F+)	F0	1.2064787E+00	G4	2.6478546E-01							
(5P-,6S+)	F0	9.8812100E-01	G1	7.1748923E-02							
(5P-,6P-)	F0	9.1511593E-01	G0	4.5928161E-02							
(5P-,6P+)	F0	7.6408492E-01	G2	4.9261928E-02							
(5P-,6D-)	F0	4.9783622E-01	G1	2.4960953E-02							
(5P-,7S+)	F0	3.7339545E-01	G1	5.8998295E-03							
(5P+,5P+)	F0	1.4653884E+00	F2	7.8468586E-01							
(5P+,5D-)	F0	1.4097959E+00	F2	7.4412173E-01	G1	9.4718241E-01	G3	5.9984097E-01			
(5P+,5D+)	F0	1.3778615E+00	F2	7.2261140E-01	G1	9.1369704E-01	G3	5.7731374E-01			
(5P+,5F-)	F0	1.1847338E+00	F2	5.6595234E-01	G2	5.0183050E-01	G4	3.4390926E-01			
(5P+,5F+)	F0	1.1615351E+00	F2	5.4725120E-01	G2	4.7894505E-01	G4	3.2795451E-01			
(5P+,6S+)	F0	9.6550460E-01	G1	1.0684956E-01							
(5P+,6P-)	F0	8.9657482E-01	G2	7.8439911E-02							
(5P+,6P+)	F0	7.5218964E-01	F2	2.0665631E-01	G0	3.4136964E-02	G2	4.6071963E-02			
(5P+,6D-)	F0	4.9373504E-01	F2	8.2766183E-02	G1	1.8510543E-02	G3	1.5902452E-02			
(5P+,7S+)	F0	3.7134056E-01	G1	7.7953664E-03							
(5D-,5D-)	F0	1.3608871E+00	F2	7.1556673E-01							
(5D-,5D+)	F0	1.3325113E+00	F2	6.9989087E-01	G2	6.9602356E-01	G4	4.7594621E-01			
(5D-,5F-)	F0	1.1551341E+00	F2	5.6479198E-01	G1	6.8718888E-01	G3	4.2771330E-01			
(5D-,5F+)	F0	1.1336619E+00	F2	5.4831633E-01	G3	4.1024276E-01	G5	2.9414458E-01			
(5D-,6S+)	F0	9.5219049E-01	G2	1.5192416E-01							
(5D-,6P-)	F0	8.8593686E-01	G1	1.1947041E-01							
(5D-,6P+)	F0	7.4560235E-01	F2	2.2297703E-01	G1	5.3381632E-02	G3	5.3668549E-02			
(5D-,6D-)	F0	4.9155925E-01	F2	9.0810439E-02	G0	1.4239284E-02	G2	1.8168752E-02			
(5D-,7S+)	F0	3.7016776E-01	G2	1.0047426E-02							
(5D+,5D+)	F0	1.3063203E+00	F2	6.8798936E-01	F4	4.7004685E-01					
(5D+,5F-)	F0	1.1380824E+00	F2	5.6472056E-01	F4	3.7288879E-01	G1	6.9426192E-01	G3	4.3305189E-01	G5 3.1060037E-01
(5D+,5F+)	F0	1.1176233E+00	F2	5.4953698E-01	F4	3.6130096E-01	G1	6.7202164E-01	G3	4.1847822E-01	G5 2.9998671E-01
(5D+,6S+)	F0	9.4438942E-01	G2	1.7491644E-01							
(5D+,6P-)	F0	8.7966552E-01	G3	1.2036075E-01							
(5D+,6P+)	F0	7.4172930E-01	F2	2.3214266E-01	G1	5.9923630E-02	G3	5.8943516E-02			
(5D+,6D-)	F0	4.9026481E-01	F2	9.5325217E-02	G2	1.8520014E-02	G4	1.6108829E-02			
(5D+,7S+)	F0	3.6948350E-01	G2	1.0992887E-02							
(5F-,5F-)	F0	1.0191169E+00	F2	5.0933877E-01	F4	3.3516181E-01					
(5F-,5F+)	F0	1.0040889E+00	F2	5.0111271E-01	F4	3.2941117E-01	G2	4.9998725E-01	G4	3.2880533E-01	G6 2.4246792E-01
(5F-,6S+)	F0	8.7950140E-01	G3	2.4800069E-01							
(5F-,6P-)	F0	8.2685448E-01	G2	2.4871270E-01							
(5F-,6P+)	F0	7.0985851E-01	F2	2.7931873E-01	G2	1.4619353E-01	G4	1.1265102E-01			
(5F-,6D-)	F0	4.6009856E-01	F2	1.2807303E-01	G1	5.5282437E-02	G3	4.3768354E-02			
(5F-,7S+)	F0	3.6424523E-01	G3	1.4505870E-02							

TABLE 1.– CONTINUED

HAHNIUM 6D3 Z=105

(5F+,5F+)	F0	9.8969359E-01	F2	4.9370201E-01	F4	3.2434579E-01	F6	2.3906468E-01	
(5F+,6S+)	F0	8.7068551E-01	G3	2.5494653E-01					
(5F+,6P-)	F0	8.1954742E-01	G4	1.9016058E-01					
(5F+,6P+)	F0	7.0529804E-01	F2	2.8373515E-01	G2	1.5570961E-01	G4	1.1876938E-01	
(5F+,6D-)	F0	4.7859477E-01	F2	1.3192626E-01	G3	4.7496881E-02	G5	3.6216025E-02	
(5F+,7S+)	F0	3.6352694E-01	G3	1.5337039E-02					
(6S+,6S+)	F0	8.0595213E-01							
(6S+,6P-)	F0	7.6803912E-01	G1	5.3127568E-01					
(6S+,6P+)	F0	6.7614560E-01	G1	3.6897474E-01					
(6S+,6D-)	F0	4.6994405E-01	G2	9.7947518E-02					
(6S+,7S+)	F0	3.5848529E-01	G0	1.2373308E-02					
(6P-,6P-)	F0	7.3582955E-01							
(6P-,6P+)	F0	6.5567561E-01	G2	3.1557152E-01					
(6P-,6D-)	F0	4.6335832E-01	G1	1.6066857E-01					
(6P-,7S+)	F0	3.5568365E-01	G1	1.9963859E-02					
(6P+,6P+)	F0	6.0134970E-01	F2	3.2751009E-01					
(6P+,6D-)	F0	4.4428254E-01	F2	2.0430355E-01	G1	2.3245983E-01	G3	1.4304538E-01	
(6P+,7S+)	F0	3.4823290E-01	G1	4.5557677E-02					
(6D-,6D-)	F0	3.6605377E-01	F2	1.8268750E-01					
(6D-,7S+)	F0	3.1080338E-01	G2	1.1968739E-01					
(7S+,7S+)	F0	2.8178445E-01							

ELEMENT 106 6D4 Z=106

(1S+,1S+)	F0	8.9483308E+01		
(1S+,2S+)	F0	3.0913740E+01	G0	4.6209474E+00
(1S+,2P-)	F0	3.7819983E+01	G1	5.2678859E+00
(1S+,2P+)	F0	2.6360133E+01	G1	3.7441063E+00
(1S+,3S+)	F0	1.2377955E+01	G0	9.7295777E-01
(1S+,3P-)	F0	1.3834374E+01	G1	1.0817510E+00
(1S+,3P+)	F0	1.0722747E+01	G1	9.3110872E-01
(1S+,3D-)	F0	1.0775821E+01	G2	2.7903690E-02
(1S+,3D+)	F0	1.0070114E+01	G2	3.5903733E-02
(1S+,4S+)	F0	5.6953980E+00	G0	2.6945811E-01
(1S+,4P-)	F0	6.0280335E+00	G1	2.9186570E-01
(1S+,4P+)	F0	4.8941157E+00	G1	2.6049104E-01
(1S+,4D-)	F0	4.7695465E+00	G2	9.0205105E-03
(1S+,4D+)	F0	4.5181857E+00	G2	1.1753818E-02
(1S+,4F-)	F0	4.2967275E+00	G3	4.1844708E-05
(1S+,4F+)	F0	4.2022295E+00	G3	6.4602684E-05
(1S+,5S+)	F0	2.7530869E+00	G0	7.7383648E-02
(1S+,5P-)	F0	2.7728751E+00	G1	8.0166187E-02
(1S+,5P+)	F0	2.2943020E+00	G1	7.0540111E-02
(1S+,5D-)	F0	2.0927708E+00	G2	2.2327001E-03
(1S+,5D+)	F0	1.9875964E+00	G2	2.8730641E-03
(1S+,5F-)	F0	1.5388549E+00	G3	7.7145277E-06
(1S+,5F+)	F0	1.4943851E+00	G3	1.1614177E-05
(1S+,6S+)	F0	1.2159432E+00	G0	1.6577534E-02
(1S+,6P-)	F0	1.1254651E+00	G1	1.4855760E-02
(1S+,6P+)	F0	8.9312564E-01	G1	1.1087736E-02
(1S+,6D-)	F0	5.6915455E-01	G2	1.4875687E-04
(1S+,7S+)	F0	4.0757128E-01	G0	1.6052478E-03

TABLE 1.– CONTINUED

ELEMENT 106 6D4 Z=106

(2S+,2S+)	F0	2.0488386E+01		
(2S+,2P-)	F0	2.2614854E+01	G1	1.0483051E+01
(2S+,2P+)	F0	1.9585180E+01	G1	1.1127828E+01
(2S+,3S+)	F0	1.0125240E+01	G0	1.0549418E+00
(2S+,3P-)	F0	1.0890181E+01	G1	9.0835188E-01
(2S+,3P+)	F0	9.2461431E+00	G1	7.9567413E-01
(2S+,3D-)	F0	1.0365865E+01	G2	2.0039854E+00
(2S+,3D+)	F0	9.7983320E+00	G2	1.8235587E+00
(2S+,4S+)	F0	5.0631585E+00	G0	2.5134956E-01
(2S+,4P-)	F0	5.2336775E+00	G1	2.2174857E-01
(2S+,4P+)	F0	4.4894964E+00	G1	1.8469603E-01
(2S+,4D-)	F0	4.6475869E+00	G2	4.7856961E-01
(2S+,4D+)	F0	4.4368732E+00	G2	4.4812843E-01
(2S+,4F-)	F0	4.2936392E+00	G3	3.2925603E-02
(2S+,4F+)	F0	4.1999624E+00	G3	3.1686640E-02
(2S+,5S+)	F0	2.5707822E+00	G0	6.9470647E-02
(2S+,5P-)	F0	2.5545742E+00	G1	5.9400037E-02
(2S+,5P+)	F0	2.1852926E+00	G1	4.7736216E-02
(2S+,5D-)	F0	2.0631659E+00	G2	1.1025796E-01
(2S+,5D+)	F0	1.9681386E+00	G2	1.0231260E-01
(2S+,5F-)	F0	1.5362993E+00	G3	5.7369144E-03
(2S+,5F+)	F0	1.4939878E+00	G3	5.3910861E-03
(2S+,6S+)	F0	1.1768457E+00	G0	1.4734241E-02
(2S+,6P-)	F0	1.0850045E+00	G1	1.0940060E-02
(2S+,6P+)	F0	8.7601108E-01	G1	7.4240603E-03
(2S+,6D-)	F0	5.6718891E-01	G2	7.2524774E-03
(2S+,7S+)	F0	4.0378465E-01	G0	1.4243628E-03
(2P-,2P-)	F0	2.6309900E+01		
(2P-,2P+)	F0	2.1757290E+01	G2	8.2418058E+00
(2P-,3S+)	F0	1.0538679E+01	G1	1.0228377E+00
(2P-,3P-)	F0	1.1506031E+01	G0	1.4934061E+00
(2P-,3P+)	F0	9.6781422E+00	G2	1.0059479E+00
(2P-,3D-)	F0	1.0537402E+01	G1	1.9445162E+00
(2P-,3D+)	F0	9.9179865E+00	G3	8.9365655E-01
(2P-,4S+)	F0	5.1773233E+00	G1	2.5394734E-01
(2P-,4P-)	F0	5.3957897E+00	G0	3.4743461E-01
(2P-,4P+)	F0	4.6057720E+00	G2	2.5009475E-01
(2P-,4D-)	F0	4.6975000E+00	G1	4.8760554E-01
(2P-,4D+)	F0	4.4720547E+00	G3	2.3141690E-01
(2P-,4F-)	F0	4.2951642E+00	G2	2.3555596E-02
(2P-,4F+)	F0	4.2011019E+00	G4	1.3527082E-02
(2P-,5S+)	F0	2.6035619E+00	G1	7.0881251E-02
(2P-,5P-)	F0	2.5988429E+00	G0	9.1941987E-02
(2P-,5P+)	F0	2.2164718E+00	G2	6.5700710E-02
(2P-,5D-)	F0	2.0752163E+00	G1	1.1370726E-01
(2P-,5D+)	F0	1.9765216E+00	G3	5.3523922E-02
(2P-,5F-)	F0	1.5385730E+00	G2	4.1242756E-03
(2P-,5F+)	F0	1.4941871E+00	G4	2.3126302E-03
(2P-,6S+)	F0	1.1838679E+00	G1	1.5071332E-02
(2P-,6P-)	F0	1.0931965E+00	G0	1.6882853E-02
(2P-,6P+)	F0	8.8090094E-01	G2	1.0255381E-02
(2P-,6D-)	F0	5.6798822E-01	G1	7.4957332E-03
(2P-,7S+)	F0	4.0446463E-01	G1	1.4575629E-03
(2P+,2P+)	F0	1.9161939E+01	F2	9.0458706E+00
(2P+,3S+)	F0	9.9390732E+00	G1	1.0341958E+00

TABLE 1.– CONTINUED

ELEMENT 106 6D4 Z=106

(2P+,3P-)	F0	1.0708027E+01	G2	1.2125352E+00				
(2P+,3P+)	F0	9.1704537E+00	F2	2.3477465E+00	G0	9.6575870E-01	G2	1.0376159E+00
(2P+,3D-)	F0	1.0294270E+01	F2	3.2933650E+00	G1	2.8409759E+00	G3	1.6324581E+00
(2P+,3D+)	F0	9.7409911E+00	F2	2.9206325E+00	G1	2.7312363E+00	G3	1.5713222E+00
(2P+,4S+)	F0	5.0111071E+00	G1	2.4156965E-01				
(2P+,4P-)	F0	5.1835181E+00	G2	2.8085846E-01				
(2P+,4P+)	F0	4.4689443E+00	F2	6.2307455E-01	G0	2.1952620E-01	G2	2.5540905E-01
(2P+,4D-)	F0	4.6294952E+00	F2	7.6360918E-01	G1	6.2038388E-01	G3	3.6957061E-01
(2P+,4D+)	F0	4.4220520E+00	F2	6.8471535E-01	G1	6.2267629E-01	G3	3.6975314E-01
(2P+,4F-)	F0	4.2921777E+00	F2	3.6307702E-01	G2	5.6975508E-02	G4	3.6803944E-02
(2P+,4F+)	F0	4.1987701E+00	F2	3.3741477E-01	G2	5.6243507E-02	G4	3.6317981E-02
(2P+,5S+)	F0	2.5557856E+00	G1	6.6510945E-02				
(2P+,5P-)	F0	2.5407149E+00	G2	7.4394284E-02				
(2P+,5P+)	F0	2.1797640E+00	F2	1.6563976E-01	G0	5.6396787E-02	G2	6.6923669E-02
(2P+,5D-)	F0	2.0589363E+00	F2	1.7501538E-01	G1	1.4036385E-01	G3	8.4350856E-02
(2P+,5D+)	F0	1.9647100E+00	F2	1.5499802E-01	G1	1.4003665E-01	G3	8.3791436E-02
(2P+,5F-)	F0	1.5380436E+00	F2	5.3322128E-02	G2	9.7323983E-03	G4	6.3020570E-03
(2P+,5F+)	F0	1.4937843E+00	F2	4.8325823E-02	G2	9.3966911E-03	G4	6.0817091E-03
(2P+,6S+)	F0	1.1736302E+00	G1	1.4092964E-02				
(2P+,6P-)	F0	1.0824323E+00	G2	1.3665121E-02				
(2P+,6P+)	F0	8.7514334E-01	F2	2.6191310E-02	G0	8.7584215E-03	G2	1.0440071E-02
(2P+,6D-)	F0	5.6690996E-01	F2	1.1702596E-02	G1	9.2038999E-03	G3	5.5397366E-03
(2P+,7S+)	F0	4.0347323E-01	G1	1.3621529E-03				
(3S+,3S+)	F0	7.6551442E+00						
(3S+,3P-)	F0	7.9310823E+00	G1	4.7622194E+00				
(3S+,3P+)	F0	7.2097001E+00	G1	4.5214049E+00				
(3S+,3D-)	F0	7.7744737E+00	G2	3.2309876E+00				
(3S+,3D+)	F0	7.5819696E+00	G2	3.2778960E+00				
(3S+,4S+)	F0	4.4387811E+00	G0	3.5986622E-01				
(3S+,4P-)	F0	4.5215735E+00	G1	3.5807585E-01				
(3S+,4P+)	F0	3.9728086E+00	G1	4.1107118E-01				
(3S+,4D-)	F0	4.0864172E+00	G2	2.4671559E-01				
(3S+,4D+)	F0	3.9480744E+00	G2	2.4122679E-01				
(3S+,4F-)	F0	4.1721711E+00	G3	7.1222835E-01				
(3S+,4F+)	F0	4.0937547E+00	G3	6.7991558E-01				
(3S+,5S+)	F0	2.3940907E+00	G0	8.3261311E-02				
(3S+,5P-)	F0	2.3625283E+00	G1	8.2246605E-02				
(3S+,5P+)	F0	2.0482005E+00	G1	9.2046645E-02				
(3S+,5D-)	F0	1.9348826E+00	G2	5.2936068E-02				
(3S+,5D+)	F0	1.8578131E+00	G2	4.9311708E-02				
(3S+,5F-)	F0	1.5184711E+00	G3	9.8249285E-02				
(3S+,5F+)	F0	1.4770538E+00	G3	9.2287285E-02				
(3S+,6S+)	F0	1.1391272E+00	G0	1.6940603E-02				
(3S+,6P-)	F0	1.0495633E+00	G1	1.4634260E-02				
(3S+,6P+)	F0	8.5455960E-01	G1	1.3889835E-02				
(3S+,6D-)	F0	5.5875895E-01	G2	3.4491555E-03				
(3S+,7S+)	F0	4.0013438E-01	G0	1.6265537E-03				
(3P-,3P-)	F0	8.2860871E+00						
(3P-,3P+)	F0	7.4409200E+00	G2	3.2051335E+00				
(3P-,3D-)	F0	8.0859832E+00	G1	4.6055430E+00				
(3P-,3D+)	F0	7.8617049E+00	G3	2.8486805E+00				
(3P-,4S+)	F0	4.5027444E+00	G1	4.2962685E-01				
(3P-,4P-)	F0	4.5995864E+00	G0	4.2000786E-01				
(3P-,4P+)	F0	4.0285858E+00	G2	3.9567047E-01				
(3P-,4D-)	F0	4.1445114E+00	G1	2.8496194E-01				

TABLE 1.– CONTINUED

ELEMENT 106 6D4 Z=106

(3P-,4D+)	F0	4.0016759E+00	G3	2.7945350E-01				
(3P-,4F-)	F0	4.1940989E+00	G2	7.8824471E-01				
(3P-,4F+)	F0	4.1132752E+00	G4	4.8605547E-01				
(3P-,5S+)	F0	2.4119562E+00	G1	1.0312196E-01				
(3P-,5P-)	F0	2.3832857E+00	G0	9.4621933E-02				
(3P-,5P+)	F0	2.0628818E+00	G2	9.3164632E-02				
(3P-,5D-)	F0	1.9478461E+00	G1	5.6077386E-02				
(3P-,5D+)	F0	1.8696179E+00	G3	5.6873630E-02				
(3P-,5F-)	F0	1.5219763E+00	G2	1.1011127E-01				
(3P-,5F+)	F0	1.4801074E+00	G4	6.7474156E-02				
(3P-,6S+)	F0	1.1429291E+00	G1	2.1148912E-02				
(3P-,6P-)	F0	1.0533824E+00	G0	1.6772696E-02				
(3P-,6P+)	F0	8.5685304E-01	G2	1.4209156E-02				
(3P-,6D-)	F0	5.5960745E-01	G1	3.5999571E-03				
(3P-,7S+)	F0	4.0050213E-01	G1	2.0332099E-03				
(3P+,3P+)	F0	6.8573493E+00	F2	3.3687401E+00				
(3P+,3D-)	F0	7.3031870E+00	F2	3.3745097E+00	G1	3.4601906E+00	G3	2.3055931E+00
(3P+,3D+)	F0	7.1424181E+00	F2	3.3948391E+00	G1	3.6058000E+00	G3	2.4032453E+00
(3P+,4S+)	F0	4.3433339E+00	G1	4.6423837E-01				
(3P+,4P-)	F0	4.4219455E+00	G2	4.9242036E-01				
(3P+,4P+)	F0	3.8988149E+00	F2	1.1616951E+00	G0	3.2508368E-01	G2	3.7072180E-01
(3P+,4D-)	F0	4.0059918E+00	F2	1.2021381E+00	G1	3.0560651E-01	G3	3.0111688E-01
(3P+,4D+)	F0	3.8722767E+00	F2	1.1287771E+00	G1	2.5927355E-01	G3	2.7233371E-01
(3P+,4F-)	F0	4.1157767E+00	F2	1.5364982E+00	G2	1.0942636E+00	G4	7.2887381E-01
(3P+,4F+)	F0	4.0422360E+00	F2	1.4800048E+00	G2	1.0585991E+00	G4	7.0599162E-01
(3P+,5S+)	F0	2.3677490E+00	G1	1.0216700E-01				
(3P+,5P-)	F0	2.3362766E+00	G2	1.0845513E-01				
(3P+,5P+)	F0	2.0290613E+00	F2	3.1514454E-01	G0	7.0819595E-02	G2	8.5913984E-02
(3P+,5D-)	F0	1.9169405E+00	F2	2.8185222E-01	G1	6.6098387E-02	G3	6.5232376E-02
(3P+,5D+)	F0	1.8411781E+00	F2	2.6067128E-01	G1	5.5189215E-02	G3	5.8123668E-02
(3P+,5F-)	F0	1.5100514E+00	F2	2.1077458E-01	G2	1.3749192E-01	G4	9.3487029E-02
(3P+,5F+)	F0	1.4695111E+00	F2	1.9893277E-01	G2	1.3140664E-01	G4	8.9383945E-02
(3P+,6S+)	F0	1.1335369E+00	G1	2.0608915E-02				
(3P+,6P-)	F0	1.0447432E+00	G2	1.9161169E-02				
(3P+,6P+)	F0	8.5158047E-01	F2	5.1449512E-02	G0	1.0634333E-02	G2	1.3060508E-02
(3P+,6D-)	F0	5.5758445E-01	F2	2.0030748E-02	G1	4.3032440E-03	G3	4.2463280E-03
(3P+,7S+)	F0	3.9959389E-01	G1	1.9761359E-03				
(3D-,3D-)	F0	8.0697131E+00	F2	4.0614333E+00				
(3D-,3D+)	F0	7.8476373E+00	F2	3.9763552E+00	G2	3.8154077E+00	G4	2.4572264E+00
(3D-,4S+)	F0	4.4634949E+00	G2	4.1871388E-01				
(3D-,4P-)	F0	4.5496734E+00	G1	4.4460533E-01				
(3D-,4P+)	F0	3.9964218E+00	F2	1.0423449E+00	G1	3.3237407E-01	G3	3.2698024E-01
(3D-,4D-)	F0	4.1417594E+00	F2	1.1466601E+00	G0	3.7667702E-01	G2	4.6053855E-01
(3D-,4D+)	F0	4.0012861E+00	F2	1.0862913E+00	G2	4.2370481E-01	G4	3.2948933E-01
(3D-,4F-)	F0	4.1831465E+00	F2	1.2874080E+00	G1	1.1072957E+00	G3	6.5400184E-01
(3D-,4F+)	F0	4.1028935E+00	F2	1.2307544E+00	G3	6.0626427E-01	G5	4.2081583E-01
(3D-,5S+)	F0	2.4008225E+00	G2	9.9305301E-02				
(3D-,5P-)	F0	2.3697162E+00	G1	9.7440834E-02				
(3D-,5P+)	F0	2.0543767E+00	F2	2.8017802E-01	G1	7.5630440E-02	G3	7.8116586E-02
(3D-,5D-)	F0	1.9470370E+00	F2	2.6488666E-01	G0	7.1864461E-02	G2	9.5131729E-02
(3D-,5D+)	F0	1.8694523E+00	F2	2.4730945E-01	G2	8.6297954E-02	G4	6.9071141E-02
(3D-,5F-)	F0	1.5205188E+00	F2	1.7933184E-01	G1	1.4638722E-01	G3	8.8630635E-02
(3D-,5F+)	F0	1.4787383E+00	F2	1.6784049E-01	G3	8.0550412E-02	G5	5.6465221E-02
(3D-,6S+)	F0	1.1405500E+00	G2	2.0354557E-02				
(3D-,6P-)	F0	1.0508731E+00	G1	1.7199806E-02				

TABLE 1.– CONTINUED

ELEMENT 106 6D4 Z=106

(3D-,6P+)	F0	8.5552277E-01	F2	4.5367005E-02	G1	1.1453908E-02	G3	1.1951067E-02	
(3D-,6D-)	F0	5.5955203E-01	F2	1.8492031E-02	G0	4.5822855E-03	G2	6.1449740E-03	
(3D-,7S+)	F0	4.0027184E-01	G2	1.9567701E-03					
(3D+,3D+)	F0	7.6485563E+00	F2	3.9176221E+00	F4	2.5252852E+00			
(3D+,4S+)	F0	4.4188761E+00	G2	4.3769452E-01					
(3D+,4P-)	F0	4.5001494E+00	G3	4.5361290E-01					
(3D+,4P+)	F0	3.9590614E+00	F2	1.0809437E+00	G1	3.3512677E-01	G3	3.3943429E-01	
(3D+,4D-)	F0	4.0987366E+00	F2	1.1770910E+00	G2	4.3511102E-01	G4	3.4661912E-01	
(3D+,4D+)	F0	3.9622241E+00	F2	1.1150933E+00	F4	5.5101070E-01	G0	3.4732509E-01	G2 4.3909471E-01 G4 3.4574294E-01
(3D+,4F-)	F0	4.1645884E+00	F2	1.3642359E+00	F4	7.3159242E-01	G1	1.1722479E+00	G3 6.9560121E-01 G5 4.8294161E-01
(3D+,4F+)	F0	4.0861382E+00	F2	1.3067107E+00	F4	6.9273209E-01	G1	1.1460349E+00	G3 6.8025838E-01 G5 4.7234895E-01
(3D+,5S+)	F0	2.3883955E+00	G2	1.0130439E-01					
(3D+,5P-)	F0	2.3565619E+00	G3	1.0376204E-01					
(3D+,5P+)	F0	2.0445832E+00	F2	2.9128994E-01	G1	7.5488525E-02	G3	8.0480146E-02	
(3D+,5D-)	F0	1.9373351E+00	F2	2.7270621E-01	G2	8.9095048E-02	G4	7.3258150E-02	
(3D+,5D+)	F0	1.8607635E+00	F2	2.5457380E-01	F4	1.1446813E-01	G0	6.5050507E-02	G2 8.9154736E-02 G4 7.2320044E-02
(3D+,5F-)	F0	1.5176864E+00	F2	1.8947386E-01	F4	9.2525543E-02	G1	1.5069839E-01	G3 9.1973220E-02 G5 6.4589751E-02
(3D+,5F+)	F0	1.4762363E+00	F2	1.7769197E-01	F4	8.5951920E-02	G1	1.4562608E-01	G3 8.8772257E-02 G5 6.2312930E-02
(3D+,6S+)	F0	1.1379070E+00	G2	2.0674535E-02					
(3D+,6P-)	F0	1.0484536E+00	G3	1.8491031E-02					
(3D+,6P+)	F0	8.5399416E-01	F2	4.7280682E-02	G1	1.1410718E-02	G3	1.2294603E-02	
(3D+,6D-)	F0	5.5891590E-01	F2	1.9125174E-02	G2	5.7469666E-03	G4	4.7505289E-03	
(3D+,7S+)	F0	4.0001621E-01	G2	1.9861852E-03					
(4S+,4S+)	F0	3.5446999E+00							
(4S+,4P-)	F0	3.5740422E+00	G1	2.3563393E+00					
(4S+,4P+)	F0	3.2879913E+00	G1	2.0541660E+00					
(4S+,4D-)	F0	3.3443490E+00	G2	1.6303879E+00					
(4S+,4D+)	F0	3.2683249E+00	G2	1.5694044E+00					
(4S+,4F-)	F0	3.4008709E+00	G3	1.2269017E+00					
(4S+,4F+)	F0	3.3668478E+00	G3	1.2259390E+00					
(4S+,5S+)	F0	2.1674444E+00	G0	1.4832076E-01					
(4S+,5P-)	F0	2.1337360E+00	G1	1.6628380E-01					
(4S+,5P+)	F0	1.8786268E+00	G1	1.9264571E-01					
(4S+,5D-)	F0	1.7764969E+00	G2	1.4032061E-01					
(4S+,5D+)	F0	1.7135646E+00	G2	1.4564401E-01					
(4S+,5F-)	F0	1.4210904E+00	G3	5.8628645E-02					
(4S+,5F+)	F0	1.3868625E+00	G3	5.8919592E-02					
(4S+,6S+)	F0	1.0916141E+00	G0	2.5450783E-02					
(4S+,6P-)	F0	1.0080488E+00	G1	2.5803937E-02					
(4S+,6P+)	F0	8.2832930E-01	G1	2.5930783E-02					
(4S+,6D-)	F0	5.4844325E-01	G2	8.2051819E-03					
(4S+,7S+)	F0	3.9554923E-01	G0	2.3825178E-03					
(4P-,4P-)	F0	3.6079937E+00							
(4P-,4P+)	F0	3.3094547E+00	G2	1.5141993E+00					
(4P-,4D-)	F0	3.3666206E+00	G1	2.1243211E+00					
(4P-,4D+)	F0	3.2898084E+00	G3	1.2595853E+00					
(4P-,4F-)	F0	3.4251467E+00	G2	1.5105659E+00					
(4P-,4F+)	F0	3.3899256E+00	G4	1.0598630E+00					
(4P-,5S+)	F0	2.1746605E+00	G1	1.9308432E-01					
(4P-,5P-)	F0	2.1417223E+00	G0	1.5345988E-01					
(4P-,5P+)	F0	1.8840839E+00	G2	1.7040180E-01					
(4P-,5D-)	F0	1.7817136E+00	G1	1.6576552E-01					
(4P-,5D+)	F0	1.7182227E+00	G3	1.3513824E-01					
(4P-,5F-)	F0	1.4239573E+00	G2	6.7096243E-02					
(4P-,5F+)	F0	1.3895571E+00	G4	5.9002063E-02					

TABLE 1.– CONTINUED

ELEMENT 106 6D4 Z=106

(4P-,6S+)	F0	1.0931204E+00	G1	3.4161910E-02							
(4P-,6P-)	F0	1.0094915E+00	G0	2.3248204E-02							
(4P-,6P+)	F0	8.2917445E-01	G2	2.3589533E-02							
(4P-,6D-)	F0	5.4878203E-01	G1	9.5770564E-03							
(4P-,7S+)	F0	3.9569450E-01	G1	3.2120222E-03							
(4P+,4P+)	F0	3.0923316E+00	F2	1.6001328E+00							
(4P+,4D-)	F0	3.1311618E+00	F2	1.5867234E+00	G1	1.9308922E+00	G3	1.2397813E+00			
(4P+,4D+)	F0	3.0716095E+00	F2	1.5664582E+00	G1	1.9518911E+00	G3	1.2429732E+00			
(4P+,4F-)	F0	3.1637710E+00	F2	1.5721585E+00	G2	1.2448141E+00	G4	9.0607060E-01			
(4P+,4F+)	F0	3.1371625E+00	F2	1.5709862E+00	G2	1.2605256E+00	G4	9.1619341E-01			
(4P+,5S+)	F0	2.1117601E+00	G1	2.3495830E-01							
(4P+,5P-)	F0	2.0795206E+00	G2	2.2377765E-01							
(4P+,5P+)	F0	1.8376713E+00	F2	5.8602349E-01	G0	1.2465286E-01	G2	1.5779833E-01			
(4P+,5D-)	F0	1.7387024E+00	F2	5.1468397E-01	G1	1.0850719E-01	G3	1.1354283E-01			
(4P+,5D+)	F0	1.6785124E+00	F2	4.7972758E-01	G1	1.1100026E-01	G3	1.1074943E-01			
(4P+,5F-)	F0	1.3973863E+00	F2	3.2733023E-01	G2	5.0837635E-02	G4	4.9666711E-02			
(4P+,5F+)	F0	1.3642616E+00	F2	3.1209609E-01	G2	4.8503460E-02	G4	4.7624179E-02			
(4P+,6S+)	F0	1.0802143E+00	G1	3.6983554E-02							
(4P+,6P-)	F0	9.9842056E-01	G2	3.3161810E-02							
(4P+,6P+)	F0	8.2211719E-01	F2	1.0469851E-01	G0	1.6131997E-02	G2	2.1507469E-02			
(4P+,6D-)	F0	5.4602343E-01	F2	4.1835954E-02	G1	6.3165173E-03	G3	6.8625974E-03			
(4P+,7S+)	F0	3.9445301E-01	G1	3.4282302E-03							
(4D-,4D-)	F0	3.1829083E+00	F2	1.6064854E+00							
(4D-,4D+)	F0	3.1183519E+00	F2	1.5756837E+00	G2	1.5579671E+00	G4	1.0545965E+00			
(4D-,4F-)	F0	3.2171675E+00	F2	1.5948617E+00	G1	1.7110655E+00	G3	1.1517493E+00			
(4D-,4F+)	F0	3.1884104E+00	F2	1.5909809E+00	G3	1.1473429E+00	G5	8.3347000E-01			
(4D-,5S+)	F0	2.1234657E+00	G2	2.4932543E-01							
(4D-,5P-)	F0	2.0910869E+00	G1	2.3309126E-01							
(4D-,5P+)	F0	1.8463910E+00	F2	5.7354953E-01	G1	1.5538946E-01	G3	1.5603091E-01			
(4D-,5D-)	F0	1.7487262E+00	F2	5.0964431E-01	G0	1.2342115E-01	G2	1.4931189E-01			
(4D-,5D+)	F0	1.6877736E+00	F2	4.7489472E-01	G2	1.4156159E-01	G4	1.1946412E-01			
(4D-,5F-)	F0	1.4030134E+00	F2	3.2194367E-01	G1	5.6237981E-02	G3	6.3252962E-02			
(4D-,5F+)	F0	1.3696174E+00	F2	3.0720893E-01	G3	6.0439502E-02	G5	5.1863995E-02			
(4D-,6S+)	F0	1.0826496E+00	G2	3.9740100E-02							
(4D-,6P-)	F0	1.0004964E+00	G1	3.1799765E-02							
(4D-,6P+)	F0	8.2344935E-01	F2	1.0217249E-01	G1	2.0448135E-02	G3	2.1418475E-02			
(4D-,6D-)	F0	5.4666807E-01	F2	4.1149073E-02	G0	7.0279456E-03	G2	8.8853093E-03			
(4D-,7S+)	F0	3.9468764E-01	G2	3.6955272E-03							
(4D+,4D+)	F0	3.0588266E+00	F2	1.5530969E+00	F4	1.0505524E+00					
(4D+,4F-)	F0	3.1483966E+00	F2	1.5493161E+00	F4	9.9931210E-01	G1	1.6045936E+00	G3	1.0898700E+00	G5 7.9523647E-01
(4D+,4F+)	F0	3.1217114E+00	F2	1.5478401E+00	F4	1.0020900E+00	G1	1.6276286E+00	G3	1.1044145E+00	G5 8.0560488E-01
(4D+,5S+)	F0	2.1062017E+00	G2	2.7361540E-01							
(4D+,5P-)	F0	2.0741307E+00	G3	2.4673799E-01							
(4D+,5P+)	F0	1.8337651E+00	F2	5.9113647E-01	G1	1.5929644E-01	G3	1.6217064E-01			
(4D+,5D-)	F0	1.7370895E+00	F2	5.2461824E-01	G2	1.4788517E-01	G4	1.2806326E-01			
(4D+,5D+)	F0	1.6770921E+00	F2	4.8890888E-01	F4	2.4017577E-01	G0	1.1557881E-01	G2	1.4175669E-01	G4 1.2117086E-01
(4D+,5F-)	F0	1.3960978E+00	F2	3.3241215E-01	F4	1.4456842E-01	G1	5.6489482E-02	G3	6.3262513E-02	G5 5.4594852E-02
(4D+,5F+)	F0	1.3630378E+00	F2	3.1698381E-01	F4	1.3685638E-01	G1	5.3525991E-02	G3	6.0556034E-02	G5 5.2319857E-02
(4D+,6S+)	F0	1.0791377E+00	G2	4.1733589E-02							
(4D+,6P-)	F0	9.9749913E-01	G3	3.5381042E-02							
(4D+,6P+)	F0	8.2153340E-01	F2	1.0610810E-01	G1	2.0600794E-02	G3	2.1985998E-02			
(4D+,6D-)	F0	5.4592141E-01	F2	4.2799443E-02	G2	8.7426433E-03	G4	7.7504440E-03			
(4D+,7S+)	F0	3.9435015E-01	G2	3.8628315E-03							
(4F-,4F-)	F0	3.3087050E+00	F2	1.7277507E+00	F4	1.1212229E+00					
(4F-,4F+)	F0	3.2766319E+00	F2	1.7140232E+00	F4	1.1129878E+00	G2	1.6899437E+00	G4	1.0980697E+00	G6 8.0181237E-01

TABLE 1.– CONTINUED

ELEMENT 106 6D4 Z=106

(4F-,5S+)	F0	2.1326437E+00	G3	2.4182144E-01							
(4F-,5P-)	F0	2.0993961E+00	G2	2.4369847E-01							
(4F-,5P+)	F0	1.8528006E+00	F2	5.5897691E-01	G2	1.5563367E-01	G4	1.4778310E-01			
(4F-,5D-)	F0	1.7543501E+00	F2	4.9676114E-01	G1	1.3649584E-01	G3	1.4683435E-01			
(4F-,5D+)	F0	1.6930876E+00	F2	4.6228252E-01	F4	2.2545552E-01	G1	1.2447091E-01	G3	1.3335868E-01	G5 1.1286259E-01
(4F-,5F-)	F0	1.4127110E+00	F2	3.2892558E-01	F4	1.5119672E-01	G0	8.9431110E-02	G2	1.1491699E-01	G4 9.0893700E-02
(4F-,5F+)	F0	1.3789769E+00	F2	3.1411835E-01	F4	1.4385439E-01	G2	1.0876597E-01	G4	8.5818434E-02	G6 6.7478390E-02
(4F-,6S+)	F0	1.0845842E+00	G3	3.7971136E-02							
(4F-,6P-)	F0	1.0019986E+00	G2	3.2425999E-02							
(4F-,6P+)	F0	8.2442332E-01	F2	9.9256385E-02	G2	2.0090601E-02	G4	2.0026573E-02			
(4F-,6D-)	F0	5.4702481E-01	F2	3.9882912E-02	G1	7.7258870E-03	G3	8.6606097E-03			
(4F-,7S+)	F0	3.9487390E-01	G3	3.5379144E-03							
(4F+,4F+)	F0	3.2457506E+00	F2	1.7017992E+00	F4	1.1359354E+00	F6	8.0760689E-01			
(4F+,5S+)	F0	2.1244656E+00	G3	2.4972231E-01							
(4F+,5P-)	F0	2.0913708E+00	G4	2.2611369E-01							
(4F+,5P+)	F0	1.8468650E+00	F2	5.6740553E-01	G2	1.5991419E-01	G4	1.5167883E-01			
(4F+,5D-)	F0	1.7488712E+00	F2	5.0417201E-01	G3	1.4823115E-01	G5	1.2534994E-01			
(4F+,5D+)	F0	1.6860475E+00	F2	4.6923498E-01	F4	2.2997639E-01	G1	1.2665521E-01	G3	1.3638722E-01	G5 1.1557667E-01
(4F+,5F-)	F0	1.4091987E+00	F2	3.3332312E-01	F4	1.5340722E-01	G2	1.1272334E-01	G4	8.9863451E-02	G6 7.0897914E-02
(4F+,5F+)	F0	1.3756671E+00	F2	3.1832339E-01	F4	1.4589496E-01	F6	9.1729879E-02	G0	8.5151887E-02	G2 1.1016224E-01
(4F+,6S+)	F0	1.0829239E+00	G3	3.8597855E-02							
(4F+,6P-)	F0	1.0005833E+00	G4	3.2437046E-02							
(4F+,6P+)	F0	8.2352160E-01	F2	1.0110394E-01	G2	2.0422508E-02	G4	2.0401201E-02			
(4F+,6D-)	F0	5.4667254E-01	F2	4.0665563E-02	G3	8.6896394E-03	G5	7.5184136E-03			
(4F+,7S+)	F0	3.9471432E-01	G3	3.5909873E-03							
(5S+,5S+)	F0	1.7698494E+00									
(5S+,5P-)	F0	1.7506064E+00	G1	1.2027724E+00							
(5S+,5P+)	F0	1.6057036E+00	G1	9.6384834E-01							
(5S+,5D-)	F0	1.5367459E+00	G2	6.7939526E-01							
(5S+,5D+)	F0	1.4943412E+00	G2	6.1236761E-01							
(5S+,5F-)	F0	1.2811457E+00	G3	3.4059225E-01							
(5S+,5F+)	F0	1.2547820E+00	G3	3.1787521E-01							
(5S+,6S+)	F0	1.0168928E+00	G0	5.3920433E-02							
(5S+,6P-)	F0	9.4519747E-01	G1	6.1262895E-02							
(5S+,6P+)	F0	7.8854419E-01	G1	6.1313544E-02							
(5S+,6D-)	F0	5.3344478E-01	G2	2.5171124E-02							
(5S+,7S+)	F0	3.8842098E-01	G0	4.5079057E-03							
(5P-,5P-)	F0	1.7322886E+00									
(5P-,5P+)	F0	1.5920988E+00	G2	7.5306433E-01							
(5P-,5D-)	F0	1.5249643E+00	G1	8.9148344E-01							
(5P-,5D+)	F0	1.4836492E+00	G3	5.1274061E-01							
(5P-,5F-)	F0	1.2742371E+00	G2	4.3498102E-01							
(5P-,5F+)	F0	1.2483170E+00	G4	2.7899413E-01							
(5P-,6S+)	F0	1.0138131E+00	G1	7.4349895E-02							
(5P-,6P-)	F0	9.4269277E-01	G0	4.8128276E-02							
(5P-,6P+)	F0	7.8687066E-01	G2	5.1827445E-02							
(5P-,6D-)	F0	5.3280704E-01	G1	2.8837722E-02							
(5P-,7S+)	F0	3.8813172E-01	G1	6.2914060E-03							
(5P+,5P+)	F0	1.4898650E+00	F2	7.9757271E-01							
(5P+,5D-)	F0	1.4356236E+00	F2	7.5783330E-01	G1	9.6463538E-01	G3	6.1116457E-01			
(5P+,5D+)	F0	1.4028783E+00	F2	7.3592855E-01	G1	9.3081598E-01	G3	5.8834607E-01			
(5P+,5F-)	F0	1.2220829E+00	F2	5.8924727E-01	G2	5.2630682E-01	G4	3.6109415E-01			
(5P+,5F+)	F0	1.1995631E+00	F2	5.7109229E-01	G2	5.0391424E-01	G4	3.4543621E-01			
(5P+,6S+)	F0	9.8974333E-01	G1	1.1190453E-01							
(5P+,6P-)	F0	9.2273410E-01	G2	8.3046028E-02							

TABLE 1.– CONCLUDED

ELEMENT 106 6D4 Z=106

(5P+,6P+)	F0	7.7405512E-01	F2	2.1565339E-01	G0	3.5845079E-02	G2	4.8392078E-02			
(5P+,6D-)	F0	5.2792133E-01	F2	9.3819251E-02	G1	2.1180005E-02	G3	1.8329595E-02			
(5P+,7S+)	F0	3.8587488E-01	G1	8.3506854E-03							
(5D-,5D-)	F0	1.3877063E+00	F2	7.2957747E-01							
(5D-,5D+)	F0	1.3584744E+00	F2	7.1344339E-01	G2	7.0933629E-01	G4	4.8530634E-01			
(5D-,5F-)	F0	1.1920762E+00	F2	5.8681887E-01	G1	7.1653864E-01	G3	4.4676133E-01			
(5D-,5F+)	F0	1.1712313E+00	F2	5.7090942E-01	G3	4.2968254E-01	G5	3.0839683E-01			
(5D-,6S+)	F0	9.7643775E-01	G2	1.5690263E-01							
(5D-,6P-)	F0	9.1197903E-01	G1	1.2498763E-01							
(5D-,6P+)	F0	7.6739280E-01	F2	2.3178150E-01	G1	5.5513828E-02	G3	5.5953320E-02			
(5D-,6D-)	F0	5.2548997E-01	F2	1.0237203E-01	G0	1.6400520E-02	G2	2.0968624E-02			
(5D-,7S+)	F0	3.8466625E-01	G2	1.0639778E-02							
(5D+,5D+)	F0	1.3315242E+00	F2	7.0126749E-01	F4	4.7936979E-01					
(5D+,5F-)	F0	1.1739238E+00	F2	5.8615302E-01	F4	3.8830701E-01	G1	7.2245993E-01	G3	4.5155719E-01	G5 3.2423608E-01
(5D+,5F+)	F0	1.1541156E+00	F2	5.7161594E-01	F4	3.7719161E-01	G1	7.0139797E-01	G3	4.3765164E-01	G5 3.1408292E-01
(5D+,6S+)	F0	9.6825752E-01	G2	1.8094623E-01							
(5D+,6P-)	F0	9.0532426E-01	G3	1.2610202E-01							
(5D+,6P+)	F0	7.6327799E-01	F2	2.4129452E-01	G1	6.2219421E-02	G3	6.1439657E-02			
(5D+,6D-)	F0	5.2396740E-01	F2	1.0739324E-01	G2	2.1365695E-02	G4	1.8630827E-02			
(5D+,7S+)	F0	3.8392574E-01	G2	1.1642893E-02							
(5F-,5F-)	F0	1.0598926E+00	F2	5.3210788E-01	F4	3.5116756E-01					
(5F-,5F+)	F0	1.0450944E+00	F2	5.2410398E-01	F4	3.4557601E-01	G2	5.2286282E-01	G4	3.4490230E-01	G6 2.5475781E-01
(5F-,6S+)	F0	9.6744478E-01	G3	2.5181154E-01							
(5F-,6P-)	F0	8.5539869E-01	G2	2.5215598E-01							
(5F-,6P+)	F0	7.3326875E-01	F2	2.8676603E-01	G2	1.4467157E-01	G4	1.1268776E-01			
(5F-,6D-)	F0	5.1340183E-01	F2	1.4014577E-01	G1	5.7683889E-02	G3	4.6826457E-02			
(5F-,7S+)	F0	3.7885903E-01	G3	1.4765672E-02							
(5F+,5F+)	F0	1.0309074E+00	F2	5.1690853E-01	F4	3.4067267E-01	F6	2.5152734E-01			
(5F+,6S+)	F0	8.9905600E-01	G3	2.5943833E-01							
(5F+,6P-)	F0	8.4840858E-01	G4	1.9428243E-01							
(5F+,6P+)	F0	7.2894772E-01	F2	2.9140441E-01	G2	1.5419698E-01	G4	1.1887578E-01			
(5F+,6D-)	F0	5.1184543E-01	F2	1.4412796E-01	G3	5.0611150E-02	G5	3.8975069E-02			
(5F+,7S+)	F0	3.7815898E-01	G3	1.5502931E-02							
(6S+,6S+)	F0	8.2774602E-01									
(6S+,6P-)	F0	7.9079956E-01	G1	5.4776840E-01							
(6S+,6P+)	F0	6.9604437E-01	G1	3.7848116E-01							
(6S+,6D-)	F0	5.0085881E-01	G2	1.1002892E-01							
(6S+,7S+)	F0	3.7239924E-01	G0	1.2977688E-02							
(6P-,6P-)	F0	7.5918197E-01									
(6P-,6P+)	F0	6.7603494E-01	G2	3.2367095E-01							
(6P-,6D-)	F0	4.9377772E-01	G1	1.7761670E-01							
(6P-,7S+)	F0	3.6958610E-01	G1	2.0699499E-02							
(6P+,6P+)	F0	6.1992904E-01	F2	3.3801859E-01							
(6P+,6D-)	F0	4.7226161E-01	F2	2.2224853E-01	G1	2.5598212E-01	G3	1.5802452E-01			
(6P+,7S+)	F0	3.6170167E-01	G1	4.7496142E-02							
(6D-,6D-)	F0	3.9500145E-01	F2	1.9957069E-01							
(6D-,7S+)	F0	3.2742047E-01	G2	1.2191083E-01							
(7S+,7S+)	F0	2.9306402E-01									

*U.S. GOVERNMENT PRINTING OFFICE: 1977 - 735-004/39

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