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INVESTIGATION OF BREMSSTRAHLUNG PRODUCTION IN SPACECRAFT MATERIALS

by W. E. Dance and W. J. Rainwater

Prepared by LING-TEMCO-VOUGHT INC. Dallas, Texas for Langley Research Center

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION • WASHINGTON, D. C. • JULY 1969

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ASA CR-1377



NASA CR-1377

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Issued by Originator as Report No. 0-71100/8R-18

Prepared under Contract No. NAS 1-7772 by LING-TEMCO-VOUGHT INC. Dallas, Texas

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ABSTRACT

Bremsstrahlung spectra resulting from bombardment of typical spacecraft materials by monoenergetic electrons were experimentally determined in the electron energy range 0.5 to 2.5 MeV. Spectral measurements were made for five angles of electron incidence using a Nal(T1) spectrometer. Integration of the spectra over all possible angles of incidence, with subsequent conversion of the result to dose, yielded for the case of a spherical shell, the bremsstrahlung dose spectra at each electron energy due to a unit omnidirectional flux of electrons. Types of target materials investigated are: 1) solid alloy slabs, 2) laminated alloys, and 3) ablative materials backed by alloyed honeycomb structures. Slab thicknesses of the alloys Ti 6Al 4V, Al 7075-T6, and Stainless 321 were chosen so as to stop 2.5 MeV electrons. Bremsstrahlung dose values inside spherical shells of the target materials were determined. assuming the omnidirectional electron environment found in synchronous orbits. For electron energies > 0.6 MeV the measured surface dose for 1.5 g/cm^2 of the alloy Al 7075-T6 is 0.24 R/Day. Extrapolation of these results for this material below 0.6 MeV indicates a total dose of approximately twice this value. From a similar extrapolation, total dose for 0.5 g/cm^2 of ablative material (carbon loaded phenolic) backed by 1.21 g/cm² stainless honeycomb and 0.69 g/cm² aluminum honeycomb is approximately 0.16 R/Day.

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INVESTIGATION OF BREMSSTRAHLUNG PRODUCTION IN SPACECRAFT MATERIALS

By W. E. Dance and W. J. Rainwater LTV Research Center

INTRODUCTION

During flights in certain earth orbits spacecraft are exposed for considerable periods of time to the electrons in the radiation belts. An accurate knowledge of the dose of secondary radiation, or bremsstrahlung, found within a spacecraft due to the electron bombardment of the walls, is required in order to weigh the potential risk of radiation injury to astronauts against the anticipated gains of a particular mission or program. Extensive analytical programs are available for calculating bremsstrahlung production in and attenuation by homogeneous slabs of materials. Experiments at LTV have been carried out which yielded bremsstrahlung cross section values for various pure materials and intensities for thick targets of the same materials. Using these cross section values the Monte Carlo codes of Berger & Seltzer have given, for thick targets, bremsstrahlung intensities which are in close agreement with the values measured at LTV. The experimental techniques utilized in the above-mentioned bremsstrahlung measurements are being applied in the present study to investigate the production of bremsstrahlung in composite materials such as the alloys and ablative materials used in spacecraft construction. The results of these measurements will serve to substantiate calculated dose rates for these types of materials.

It is the objective of the present study to determine, from experimental spectra, the bremsstrahlung dose behind shields of specific composite materials due to an incident omnidirectional beam of electrons. Targets under study consist of alloys, layers of different homogeneous materials, and layers of ablative and honeycomb structures such as those comprising the walls of a typical spacecraft. The effect on the bremsstrahlung yield of dividing homogeneous slabs into multiple layers has been investigated. In addition, the effect of varying the order of layers of different pure materials has been observed.

In making dose determinations in the present work, the space electron spectra used are those given by the Vette Model of the trapped radiation environment.²

Superscripts denote corresponding references, p. 27.

EXPERIMENTAL MEASUREMENTS AND PROCEDURE

In making bremsstrahlung dose determinations at the center of a spherical shell of shielding material due to omnidirectional electrons, the appropriate quantity to be measured at the detector is the number of photons per unit solid angle emitted in a direction which is normal to the plane of the target slab. This geometry is illustrated in Fig. 1. At each bombarding energy the photon yield in a direction perpendicular to the target, due to an incident omnidirectional beam of electrons, may be constructed in the laboratory by varying the angle of incidence ϕ of the beam and performing an integration of the yield over the angle of incidence. From the resulting total spectra the bremsstrahlung dose may then be determined for an assumed space electron spectrum. The general experimental approach employed in the present work to measure the bremsstrahlung yields is described in detail in the literature. 3,4 A summary of this method will be presented here. The laboratory arrangement for measuring the bremsstrahlung yields is shown in the photograph of Fig. 2. A monoenergetic electron beam, provided by a 3-MeV Van de Graaff Accelerator, was directed into a cylindrical target chamber equipped with 5-mil Mylar windows for minimizing the attenuation in the bremsstrahlung radiation. The bremsstrahlung spectrometer was a dual Nal(T1) crystal anticoincidence arrangement, with a 5.9 cm X 15.2 cm long center crystal surrounded by an anti-Compton annulus 23 cm in diameter and 30 cm long. The detector solid angle was 1.31×10^{-4} sr.

For electron beam current integration the target and target chamber were electrically isolated from the accelerator beam tube. For beam currents greater than 10^{-9} A, a current integrator was used. For determining beam currents in the range 10^{-11} to 10^{-9} A, a Si(Li) detector was used to monitor the electrons scattered by a thin VYNS^{*} film inserted into the beam as it passed through a scattering chamber just upstream from the bremsstrahlung target chamber. As the thickness of the scattering film was approximately $10 \ \mu g/cm^2$, the energy loss in the film and spatial spread of the beam on the target in the bremsstrahlung chamber were negligible. Calibration of this beam monitor was carried out at currents in the 10^{-9} A range using the current integrator. Energy calibration of the beam was also carried out by use of the monitor detector to determine the energy

* Union Carbide Plastics Company



FIGURE 1. Experimental geometry.



FIGURE 2. Laboratory arrangement for bremsstrahlung measurements.

of the electrons elastically scattered from the VYNS film. Reference to the 625-keV internal conversion line from Cs¹³⁷ and the 482-keV, 972-keV and 1.68-MeV lines from Bi²⁰⁷ provided the energy calibration of the Si(Li) detector. The electron beam spot diameter on the target was less than 0.4 cm at all energies for bombardment of the homogeneous targets. For bombarding the nonhomogeneous ablative materials, in order to average the bremsstrahlung yield over the inhomogeneities in the targets, the beam spot size was increased to 1.3 cm in diameter. As a check on this method of averaging, the smaller diameter beam was run on several different areas of the ablators and the resulting pulse height spectra averaged. The two methods were in good agreement.

The characteristic spectrometer response was removed from the bremsstrahlung pulse height spectra by a variation of the iterative technique described elsewhere.^{5,6} To remove x-ray background effects caused by multiple scattering of electrons by the target and chamber walls, bremsstrahlung runs were made with a tantalum absorber placed between the target and detector. The resulting background spectrum for a given run was then subtracted from the spectrum taken without the absorber. The geometrical arrangement of target, absorber, and detector was such as to allow only the beam spot to be shielded at the detector aperture.

The targets bombarded in this study, listed in Table I, fall into the following categories: (1) alloys, (2) layers of a given alloy, (3) layers of different alloys, (4) layers of different pure materials, (5) layers of ablative materials and alloy honeycomb wall structures. The total thickness of the targets in categories (1) through (4) was chosen to equal the mean range of electrons in the material for the maximum bombarding energy, which was 2.5 MeV, with the exception of Target No. 2 and No. 4, which have thicknesses equal to 1.5 times the mean range of 2.5 MeV electrons. Thicknesses were determined from the values of the electron range as given by Berger & Seltzer,⁷ using the effective atomic number for each material. In the case of the ablative materials, which were backed by alloy honeycomb wall structures, the thickness of the ablative layer was equal to the range of 2.5 MeV electrons for Target No. 12, and equal to the range of 1.0 MeV electrons for Targets 10 and 11. Information regarding the composition of the ablative Targets 10, 11, and 12 was reported by Hendricks, et. al.⁸ from an earlier study of bremsstrahlung produced in these materials.

TABLE I

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LIST OF TARGETS

TARGET NO.	MATERIAL	THICKNESS (g/cm ²)
1	TI, 6A1, 4V	1.68
2	Ti, 6A1, 4V	2.34
3	TI, 6A1, 4V	1.68 (8 layers)
4	Ti, 6A1, 4V	2.34 (8 layers)
6	Stainless Steel 321	1.59
7	AI 7075-T6	1.54
8	A1 7075-T6	1.54 (8 layers)
5-1	Ti (1.42 g/cm ²)/V (.061 g/cm ²),	/Al (.096 g/cm ²)
5-2	Ti (1.42 g/cm ²)/Al (.096 g/cm ²))/V (.061 g/cm ²)
5-3	Ai (.096 g/cm ²)/Ti (1.42 g/cm ²))/V (.061 g/cm ²)
5-4	Al (.096 g/cm ²)/V (.061 g/cm ²),	/Ti (1.42 g/cm ²)
5-5	V (.061 g/cm ²)/Ti (1.42 g/cm ²),	/Al (.096 g/cm ²)
5-6	V (.061 g/cm ²)/A1 (.096 g/cm ²)/	/Ti (1.42 g/cm ²)
9	Ti, 6Al, 4V (0.55 g/cm ²)/Al 707 Stainless 32l (0.5l g/cm ²)	75-T6 (0.51 g/cm ²)/
10	Carbon phenolic ablator (0.49 c honeycomb (1.21 g/cm ²)/aluminum	g/cm ²)/Stainless steel n honeycomb (0.69 g/cm ²)
11	Fiberglass ablator (0.49 g/cm ²) comb (1.21 g/cm ²)/aluminum hone	/Stainless steel honey- eycomb (0.69 g/cm ²)
12	Carbon phenolic ablator (1.38 g honeycomb (1.21 g/cm ²)/aluminum	g/cm ²)/Stainless steel n honeycomb (0.69 g/cm ²)

Electron bombarding energies for Targets 1 through 4, and 6 through 9 (alloys and layers of alloys) were 0.6, 1.0, and 2.5 MeV. In addition, at 2.5 MeV, targets 5-1 through 5-6 were run to observe the effect of varying the order of layers of Ti, Al, and V. Target 12, with the thicker carbon phenolic ablator (1.38 g/cm²), was run at 2.5 MeV and 1.0 MeV, and Targets 10 and 11, with the lesser thickness of ablative material (0.49 g/cm²), were run at 1.0 MeV and 0.5 MeV.

The angle of incidence of the electron beam was varied from $\phi = 0^{\circ}$ to $\phi = 75^{\circ}$ by rotating the target about its axis by means of a calibrated vernier adjustment. Figure 3 shows four of the homogeneous alloy targets positioned in the scattering chamber. The ablative and honeycomb targets are shown in Fig. 4.

A detailed analysis of the experimental errors in spectral data obtained by the present technique is given in reference 4. The estimated overall error in the present spectral measurements is $\pm 15\%$ in the region of photon energy 0.15E < k < 0.75E, where E is the bombarding energy, for the alloy targets, and $\pm 20\%$ for the ablative targets. The higher uncertainties for the ablative targets and for the portion of the spectra beyond 0.75E for the alloy targets is due to the increased statistical fluctuation of the data. Photons from the high energy portion of the spectra where the statistics are poor, however, do not contribute significantly to the dose, as the relative photon yield is low in this region. The flux-to-dose conversion at a given electron energy introduces no additional error into the results. Due to the limited number of bombarding energies used in the investigation to date in estimating the shape of the dose-versus-electron energy curves, no error limits have been assigned to the projected total dose estimates which were obtained by integrating over these curves.



FIGURE 3. Alloy target slabs positioned in scattering chamber.



FIGURE 4. Ablative and alloy honeycomb targets. Shown are Target 10 (carbon phenolic, 0.49 g/cm² / Stainless honeycomb, 1.21 g/cm² / aluminum honeycomb, 0.69 g/cm²) at the left, the first layer of Target 11 (fiberglass honeycomb reinforced ablator at center), and the first layer of Target 12 (carbon phenolic ablator, 1.38 g/cm²) at the right.

DATA ANALYSIS

For removal of the effect of the bremsstrahlung spectrometer response on the pulse height spectra, and for performing other operations necessary in obtaining spectral and dose information, a Fortran IV program was written which converts the pulse height data to dose at each value of the bombarding energy. With this program the following operations are applied to the initial pulse height data:

(1) The pulse height spectra differential in photon energy and solid angle are integrated over angle of electron incidence and over the surface of a sphere to give the pulse height spectrum of the bremsstrahlung due to a unit omnidirectional flux of electrons incident on a spherical shell of the target material.

(2) Using the response matrix of the bremsstrahlung spectrometer, a correction factor is computed as a function of photon energy by the method of reference 5, and applied to the pulse height spectrum of (1) above to give the energy spectrum in photons/MeV-electron.

(3) Photon flux-to-dose conversion factors are applied to the bremsstrahlung energy spectrum to yield a dose spectrum.

(4) The dose spectrum is integrated over photon energy to give the specific dose for a given target at the specified bombarding energy, in R/electron/cm 2 .

The integration of step (1) above is carried out from the following considerations: The laboratory spectra measured for a given electron energy E in the present geometry (Fig. 1) may be expressed by the function $g(k,\phi,E)$, where k is the photon energy, and ϕ is the electron angle of incidence. The spectrum at the detector due to a unit unidirectional flux is $g(k,\phi,E) \cos\phi$, or that due to electrons striking the projected area of a sphere which is normal to their direction of approach. (A detailed discussion of the concept of unidirectional and omnidirectional flux is given by Evans ⁹). Since the omnidirectional flux ϕ is equal to the integral of the unidirectional flux n taken over the surface of the sphere, or

$$\int_{0}^{4\pi} n d\omega = \Phi,$$

the photon spectrum at the center of a sphere due to a unit omnidirectional electron flux is

$$g(k,E) = \int g(k,\phi,E) \cos\phi d\omega$$
.

Since $d\omega = 2\pi \sin \phi d\phi$, the solid angle available between ϕ and $\phi + d\phi$,

$$g(k,E) = 2\pi \int_{0}^{\pi/2} g(k,\phi,E) \sin\phi \cos\phi d\phi,$$

which is the result obtained in steps (1) and (2) above.

The specific dose spectrum D(k,E) obtained in step (3) is then

$$D(k,E) = g(k,E)\gamma(k),$$

where $\gamma(k)$ is the flux-to-dose conversion function. The dose contribution for a monoenergetic unit omnidirectional flux of electrons from step (4) is then

$$D(E) = \int g(k,E)\gamma(k)dk$$

The total bremsstrahlung dose at the center of a sphere due to a particular electron environment $\phi(E)$ is thus

The function D(E) is determined experimentally by measuring the dose for a number of values of E over the energy range of interest.

The flux-to-dose conversion curve used in (3) was taken from Rockwell's shielding Manual¹⁰ and is given in Fig. 5. The space omnidirectional electron spectrum applied to the specific dose values for determination of the total dose as a function of bombarding energy is that of Vette's empirical AE3 Model of the trapped radiation environment, of reference 2, for synchronous equatorial orbits, which lie on the magnetic shell L = 6.6. The altitudes of these orbits are around 19,300 nautical miles. The AE3 spectrum, shown in Fig. 6, gives the differential fluxes averaged over local time, for conditions of solar minimum, and for a value of 1.00 for Vette's magnetic variable B/B₀.



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FIGURE 5. Gamma flux-to-dose conversion (reference 11) used in dose determinations.



FIGURE 6. Differential electron spectrum from Vette AE3 Model for synchronous orbits (reference 2). The spectrum gives the flux averaged over local time for solar minimum.

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RESULTS OF MEASUREMENTS

The computer outputs for the various targets of Table I are given in the Appendix. These results are presented in order of increasing incident energy. The first page of the print-out for each target lists the 3-channel averages for the weighted bremsstrahlung pulse height spectrum obtained for each electron angle of incidence. These are the net normalized spectra (background removed) in units of photons/MeV-sr-electron. The negative values which appear in a few of the pulse height spectra at the largest angles of incidence, particularly for the low-Z ablative materials, are due to the large statistical fluctuations in the data for the low photon yields near the high energy cut-off in the spectra. In this region the yield is of the same order as the background, and hence background subtraction can result in negative values in the net spectra. The column headings on the third line are the values of ϕ , the angle of incidence, in degrees. On the remaining pages, for each target and bombarding energy, are found as a function of the channel number, the spectrometer energy calibration data, the correction factor which is applied to the pulse height data for detector response removal to give energy spectra, the total bremsstrahlung energy spectra (3-channel average) due to a unit omnidirectional electron flux at the center of a sphere, the gamma flux-to-dose conversion factors, the dose spectrum, and the total dose (dose spectrum integrated over photon energy) at the particular electron bombarding energy.

From the appendix then, the energy spectrum for any incident angle may be obtained by multiplying the column giving the pulse height spectrum for that angle by the column of correction factors given in the second part of the table. The bremsstrahlung spectra, integrated over the angle of electron incidence, are shown in Figs. 7 through 10 for the alloys Stainless 321, Ti 6A1 4V, A1 7075-T6, and the carbon phenolic and fiberglass ablative materials (backed by the stainless and aluminum honeycomb wall sections) for the various bombarding energies in the range 0.5 to 2.5 MeV. The spectra for the alloys are typical in shape for all the alloy targets investigated, including those of layered construction, such as Targets 3, 4, 8, and 9. The angular distributions of the photons emitted in a direction normal to the target, showing total counts per coulomb as a function of angle for three targets at various bombarding energies ranging from 0.5 to 2.5 MeV, are shown in Figs. 11 through 13.



FIGURE 7. Bremsstrahlung spectra from the ablative targets, Nos. 10 and 11, integrated over electron angle of incidence, for 0.5 MeV bombarding energy.



FIGURE 8. Bremsstrahlung spectra from alloy targets, Nos. 6 and 7, integrated over electron angle of incidence, for 0.6 MeV bombarding energy.



FIGURE 9. Bremsstrahlung spectra from Targets 6, 7, and 11, integrated over electron angle of incidence, for 1.0 MeV bombarding energy.

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FIGURE 10. Bremsstrahlung spectra from Targets 6, 7, and 12, integrated over electron angle of incidence for 2.5 MeV bombarding energy.



FIGURE 11. Bremsstrahlung yield as a function of electron angle of incidence, from Targets 6 and 7, at 0.6 MeV bombarding energy, and from target 10 at 0.5 MeV bombarding energy.

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FIGURE 12. Bremsstrahlung yield as a function of electron angle of incidence, from Targets 6, 7, and 10, at 1.0 MeV bombarding energy.



Figure 13. Bremsstrahlung yield as a function of electron angle of incidence, from Targets 6, 7, and 12, at 2.5 MeV bombarding energy.

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These distributions were obtained by rotating the target and spectrometer through the same angle, i.e. by varying the angle of incidence and holding the detector axis on the normal to the target plane. The targets corresponding to these curves are representative of the lowest effective-Z material, the highest Z, and one intermediate Z-value in the range of atomic numbers of the targets listed in Table I.

To obtain the total dose for a given target resulting from the Vette space electron environment requires knowledge of the bremsstrahlung produced by electrons of energies ranging from a few kilovolts up to approximately 2.5 MeV. As the present investigation is limited to three bombarding energies above 0.6 MeV for the homogeneous targets and alloys, and to two energies above 0.5 MeV for the ablative targets, the dose due to electrons with energy above the minimum bombarding energy will be given for each target, based on the dose at those bombarding energies. The dose per electron/cm²-vs-bombarding energy from the Appendix is shown for Targets 6, 7, and 10 in Fig. 14. From the present experimental data the exact shape of the dose curve vs. electron energy below 0.5 MeV is not established, as the data is limited to 2 or 3 bombarding energies above 0.5 MeV. However, from the results of previous bremsstrahlung experiments in this laboratory for normal incidence, an estimate of the shape and projection of the curve to lower bombarding energies can be made for the alloy targets. For example, if the experimental power law previously obtained, reference 4, relating the total bremsstrahlung energy emitted in the forward direction to the incident energy for low-Z pure materials is assumed for the alloys of the present study, an estimate of the dose-vs-bombarding energy curve using the Vette AE3 spectrum would be that shown in Fig. 15, for Targets 6, 7, and 10. The solid lines represent the energy range of the present experiment, and the dashed lines are computed from the extrapolated regions of Fig. 14. As can be seen electrons having energies between 0.4 and 0.6 MeV are expected to make the greatest contribution to the dose of electromagnetic radiation for the electrons in Vette's synchronous orbit. At 0.1 MeV and again at 1.6 MeV the dose is seen to be down to approximately 10 to 20% of its peak value, depending on the material of the target. The results shown in Fig. 14 include the maximum and minimum values in the range of dose values obtained for the complete set of targets, from the carbon phenolic target (effective Z \sim 8) to the stainless steel (effective Z \sim 26). The dose values for the remaining targets appear in the Appendix. These values, given







FIGURE 15. Estimated dose curves for Targets 6, 7, and 10 in the electron environment given by the Vette AE3 Model. The dashed portions of the curves are the extrapolations to energies below the range of the present measurements.

in R/electron/cm 2 , are thus the dose contributions at the center of a sphere for unit omnidirectional fluxes, of the specified bombarding energies.

By integrating the curves of Fig. 15 over electron energy, an estimate of the dose rate at the center of a spherical shell composed of these materials is obtained. This has been done for most of the targets, and the estimated dose rate values based on the present data and extrapolation to lower energies are listed in Table II for two electron energy increments. The first column of values corresponds to an integration from 0.6 to 2.5 MeV, while the second column corresponds to that from zero to 2.5 MeV. The highest estimated dose rate from the 0-2.5 MeV integration is seen to be 8.6 x 10^{-6} R/sec or approximately 0.75 R/day for the Stainless, while the lowest is 0.15 R/day for the carbon phenolic ablator backed by the stainless and aluminum honeycombs.

The comparison at 2.5 MeV of the pulse height spectra from targets consisting of layers of pure Ti, Al, and V in thicknesses proportional to their abundance in the alloy Ti 6Al 4V indicated that, within the error limits of the experiment, varying the order of the layers of this target has little effect on the dose at this electron energy. This result might be expected, as in this case the dominant bremsstrahlung-producing layer (and also attenuating layer) is the Ti, and the thickness of the other two layers is only a small fraction of that of the Ti layer. Dose values at 2.5 MeV for the six target configurations varied by about 9%, ranging from 1.44 x 10^{-11} R/electron/cm² to 1.57 x 10^{-11} R/electron/cm².

Comparison of the dose values from the solid targets and targets of equal thickness comprised of eight identical layers of the same material show that, at each of the bombarding energies 0.6, 1.0, and 2.5 MeV, layering has little effect on the bremsstrahlung observed at the detector. From the data in the Appendix it is seen that dose values from the layered targets were 26 to 10% higher than from the solid targets of the same material.

The comparison of the bremsstrahlung from the two ablative materials (Targets 10 and 11) indicates that the contribution to dose at 0.5 MeV bombarding energy is only about 5% greater from the fiberglass ablator than from the carbon phenolic ablator, for equal thicknesses in g/cm². At 1.0 MeV bombarding energy the dose from the fiberglass is 12% greater.

TABLE II

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BREMSSTRAHLUNG DOSE ESTIMATED FROM EXTRAPOLATION

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OF PRESENT EXPERIMENTAL DATA

TARGET NO.	DOSE (0.6 < E _{el} < 2.5)	DOSE (E < 2.5) el
	R/Day	R/Day
1	0.34	0.68
2	0.34	0.62
3	0.37	0.73
4	0.36	0.70
6	0.39	0.75
7	0.24	0.47
8	0.27	0.53
9	0.35	0.66
10	0.09	0.15
11	0.11	0.16
12	0.10	0.20

CONCLUSIONS

As mentioned earlier, the measurement of absolute bremsstrahlung dose rates depends upon establishing the nature of the dose-vs-bombarding energy curve for the specific materials. The lowest bombarding energy for which bremsstrahlung measurements are reported here, which is 0.6 MeV for the alloy materials and 0.5 MeV for the ablative materials, occurs at an energy slightly greater than the estimated peak in the dose curves (Fig. 15). The estimated bremsstrahlung energy curve, shown in Fig. 16, was obtained by taking as an approximation to the omnidirectional case the total energy radiated in the forward direction as measured previously for normal incidence from targets of pure iron, reference 4, and folding in the Vette AE3 electron spectrum. Based on such approximations and the present alloy data for the limited number of electron energies (denoted by arrows in Fig. 16) the projected total dose for the Stainless Steel in this electron environment is approximately 0.8 R/day. As this value is significant in terms of the dose which might be permissible during extended manned flights. the requirement for additional measurements at energies close to and below the estimated dose peak and at least one energy between 1.0 and 2.0 MeV becomes necessary if one is to substantiate these estimates by direct measurement.

The chief value of experimental data from a specialized situation such as that obtained in the present study for bremsstrahlung production in composite materials lies in its testing of theoretical or analytical methods for calculating such quantities, which are generalized and can be applied to many different materials and geometries. Thus a logical portion of further experimental studies would be a comparison of the present results with those that would be predicted for this case by codes such as those of Berger & Seltzer, reference 1, and by such analytical methods as that reported by Burrell, Wright & Watts.¹¹

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FIGURE 16. Bremsstrahlung energy emitted in the forward direction from pure iron targets, for the case of normal incidence, as a function of electron bombarding energy. The arrows indicate the bombarding energies for which the present measurements are reported for composite materials. Bremsstrahlung data for this curve was taken from reference 4.

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TAR	GET NO. 10 IN	CIDENT ELECTR	ON ENERGY O	5 MEV		
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PH	() .
	7.5	15.0	30.0	45.0	60.0	75.0
7	2.462E-03	4.193E-03	5.278E-03	7.000E-03	4.527E-03	1.666E-03
10	3.663E-03	6.140E-03	7.8155-03	8.404E-03	5.2896-03	1.916E-03
13	4.C59E-03	6.638E-03	8.595E-03	8.008E-03	4.930E-03	1.7986-03
16	3.8266-03	6.2998-03	8.146E-03	6.901E-03	4.125E-03	1.506E-03
19	3.517E-03	5.745E-03	7.409E-03	5.832E-03	3.4436-03	1.2556-03
22	3.103E-03	5.039E-03	6.484E-03	4.777E-03	2.770E-03	5.995E-04
25	2.662E-03	4.341E-03	5.542E-03	3.912E-03	2.252E-03	7.987E-04
28	2.2836-03	3.6886-03	4.744E-03	3.212E-03	1.8326-03	6.3678-04
- 31	1.9536-03	3.1926-03	4.0238-03	2.600E-03	1.4528-03	5.0958-04
- 34	1.657E-03	2.682E-03	3.411E-03	2.123E-03	1.164E-03	3.9826-04
- 37	1.394E-03	2.253E-C3	2.860E-03	1.733E-03	9.1996-04	3.0906-04
40	1.199E-C3	1.952E-03	2.4255-03	1.399E-03	7.386E-04	2.393E-04
- 43	9.9536-04	1.673E-03	2.031E-03	1.112E-03	5.7268-04	1.839E-04
46	8.301E-04	1.401E-03	1.696E-03	8.755E-04	4.476E-04	1.414E-04
49	6.939E-04	1.171E-C3	1.426E-03	7.049E-04	3.511E-04	1.062E-04
52	5.798E-04	9.806E-04	1.2216-03	5.310E-04	2.5968-04	7.9416-05
- 55	4.7776-04	8.222E-04	9.8536-04	4.3428-04	1.958E-04	5.972E-0.5
58	3.864E-04	6.862E-04	8.273E-04	3.214E-04	1.453E-04	4.038E-C5
61	3.237E-04	5.4228-04	6.896E-04	2.425E-04	1.090E-04	2.791E-05
-64	2.551E-04	4.448E-04	5.6412-04	1.766E-04	7.087E-05	1.831E-05
67	2.005E-04	3.6395-04	4.371E-04	1.249E-04	4.726E-05	1.193E-05
70	1.574E-04	2.8796-04	3.5248-04	8.241E-05	3.180E-05	7.718E-06
73	1.161E-04	2.232E-04	2.977E-04	4.804E-05	1.960E-05	4.784E-06
76	8.315E-05	1.695E-04	2.1518-04	2.228E-05	7.061E-06	2.419E-06
79	6.C59E-C5	1.2098-04	1.518E-04	8.619E-06	3.816E-06	6.067E-07
82	4.015E-05	8.688E-C5	1.068E-04	4.344E-06	1.592E-06	8.463E-07
85	2.188E-05	4.753E-05	6+193E-05	1.119E-06	1.042E-06	2.581E-07
88	1.280E-05	3.2136-05	4.5638-05	8.381E-07	-3.593E-07	1.876E-07
91	5.711E-06	1.472E-05	1.941E-05	3.770E-07	5.034E-07	3.828E-07

APPENDIX - BREMSSTRAHLUNG SPECTRA AND DOSE DATA

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TARGET NO. 10 INCIDENT ELECTRON ENERGY 0.5 MEV

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CHANNEI	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
1	2.025E 00	C.O		C.O	
2	7.554E CO	0.0		0.0	
	1.309E 01	r.c		5.741E-11	
•	1.862E 01	n . n		1.603E-10	
2	2.4156 01	a•a	•	1.399E-10	
<u></u>	2.968E 01			7.851E-11	
	3.522E 01	6.143E-01	3.8036-03	5.883E-11	2.237E-13
8	4.0756 01	1.16/E 00		4.341E-11	
	4.6286 01	1.009E 00		3.904E-11	
19	5.181E 01	1.0346 00	8.324E-03	3.576E-11	2.976E-13
11	7.737E (1)	1.0205 00		3.470E-11	
12	0.2886 01	1.028E 90		3.420E-11	
15	C.CAIE 01		8.9222-03	3.420E-11	Z-880E-13
14	7.3796 11			2++03t-11	
14	7.94/E (II		7 4705-07	3+724E-11 2 4755-11	2 7/45 13
10	0.0010 01	1 0215 00	(•4/0E=05	3.0/75-11	2.1401-13
17	0 407E 01	1.0216 00		5.040E-11	
10	1 0146 02	1.0215 00	6 5525-03	4 3026-11	2 4775-12
20	1.0716 02	1.019E 00	0.5525-05	4.6745-11	2.01/2-13
21	1.127E 02	1.01#6 00		4.9695-11	
22	1.182E 02	1.0185.00	5.5335-03	5.2705-11	2 0215-13
27	1.237E 02	1.015E CC	J • JJJJL=(1)	5.6005-11	2.9216-13
24	1.297F C2	1.01CE CC		5.9276-11	
25	1.348E 02	1.01CE 00	4.604E-03	A-748E-11	2.8775-13
26	1.403E 02	1.011E 00		6.5726-11	2.0772-13
27	1.459E C2	1.011E CC		6.943E-11	
28	1.514E 02	1.012F 00	3.865E-03	7.3156-11	2.827F+13
29	1.565E C2	1.014E 00		7-6915-11	
30	1.625E 02	1.013E CO		8.067E-11	
31	1.680E C2	1.007E 00	3.203E-03	8.444E-11	2.704F-13
32	1.735E 02	1.006E 00		8.816E-11	
33	1.791E C2	1.008E 0C		9.187E-11	
34	1.846E 02	1.008E CC	2.663E-03	9.548E-11	2.5436-13
35	1.901E 02	1.008E 00		9.907E-11	
36	1.957E C2	1.007E 00		1.0.24E-10	
37	2.012E 02	1.007E 00	2.195E-03	1.047E-10	2.2985-13
38	2.067E 02	1.011E 00		1.033E-10	
39	2.123E C2	1.016E CO		1.0628-10	
40	2.178E 02	1.023E 00	1.863E-03	1.1536-10	2.149E-13

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TARGET NO. 10 INCIDENT ELECTRON ENERGY 0.5 MEV

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CHANNEL	. ENERGY KEV		CORR.F/	ACT.	ENGY.SPEC. PHOTONS/MEY -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	2.233E	02	1.029E	00		1.2138-10	
42	2.288E	02	1.034E	00		1.252E-10	
43	2.344E	02	1.C37E	CC	1.551E-03	1.291E-10	2.002E-13
44	2.399E	02	1.038E	00		1.329E-10	
45	2.454E	02	1.040E	00		1.363E-10	
46	2.510E	C Z	1.C43E	00	1.275E-03	1.398E-10	1.783E-13
47	2.565E	02	1.053E	00		1.442E-10	
48	5.620E	02	1.063E	00		1.482E-10	
49	2.676E	02	1.07CE	00	1.078E-03	1.515E-10	1.634E-13
50	2.731E	0Z	1.076E	gg		1.549E-10	
51	2.786E	0Z	1.086E	00		1.5828-10	
52	2.842E	02	1.094E	αa	8.984E-04	1.615E-10	1.451E-13
53	2.897E	C 2	1.103E	<u>çç</u>		1.648E-10	
54	2.952E	02	1.108E	00		1.687E-10	
55	3.008E	C2	1.114E	00	7.421E-04	1.724E-10	1.279E-13
56	3.063E	C Z	1.124E	0 C		1.7526-10	
57	3.118E	02	1.1336	00		1.781E-10	
58	3.174E	<u>C2</u>	1.139E	00	6.110E-04	1.814E-10	1.108E-13
59	3.229E	02	1.146E	00		1.847E-10	
60	3.284E	0 Z	1.155E	00		1.881E-10	
61	3.340E	02	1.163E	00	4.994E-04	1.918E-10	9.578E-14
62	3.395E	02	1.170E	aa		1.956E-10	
63	3.450E	02	1.174E	00		1.990E-10	
64	3.506E	C S	1.177E	.00	3.975E-04	2.023E-10	8.042E-14
65	3.561E	02	1.182E	00		2.057E-10	
66	3.616E	02	1.186E	00		2.088E-10	
67	3.672E	C2	1.187E	00	3.0786-04	2.116E-10	6.512E-14
68	3.727E	02	1.190E	60		2.146E-10	
69	3.782E	02	1.197E	0.0		2.179E-10	
77	3.8385	02	1.208E	00	2 . 415E-04	2.209E-10	5.3358-14
71	3.893E	02	1.221F	00		2.236E-10	
72	3.948E	02	1.235E	00		2.269E-10	
73	4.004E	02	1.248E	00	1.9256-04	2.302E-10	4.432E-14
74	4.059E	C 2	1.241E	00		2.341E-10	
75	4.114E	C 2	1.232E	00		2.3776-10	
76	4.169E	02	1.215E	00	1.2996-04	2.405E-10	3.125E-14
77	4.2256	n 2	1.204E	00		2.435E-10	
78	4.280E	02	1.2C2E	CO		2.468E-10	
79	4.335E	ÚS	1.206E	00	8.845E-05	2.494E-10	2.206E-14
80	4.3916	ÚS –	1.214E	00		2.516E-10	

TARGET NO. 10 INCIDENT ELECTRON ENERGY 0.5 MEV

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CHANNEL	ENERGY KEV	,	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
81	4.446E	02	1.226E 00		2.548E-10	
82	4.501E	C2	1.237E 00	6.289E-05	2.581E-10	1.623E-14
83	4.557E	C2	1.211E 0C		2.603E-10	
84	4.617E	02	1.184E CO		2.627E-10	
P 5	4.667E	C2	1.158E 00	3.2856-05	2.66CE-10	8.7396-15
86	4.723E	02	1.176E CC		2.691E-10	
87	4.778E	02	1.2578 00		2.719E-10	
88	4.833E	C2	1.318E 00	2.586E-05	2.747E-10	7:104E-15
89	4.889E	C2	1.366E CC		2.774E-10	
96	4.944E	02	7.70CE-01		2.802E-10	
91	4.999E	C 2	8.943E-03	7.903E-08	2.830E-10	2.236E-17
92	5.055E	5.0	0.0		2.861E-10	

CCSE= 7.541E-14 R-SQ.CM./ELECTRON

TAR	GET NO. 11 IN	CIDENT ELECTR	CN ENERGY 🕰	5 MEV		
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PH)	[].
	7.5	15.0	30.0	45.0	60.0	75.0
7	2.946E-03	4.885E-C3	6.5398-03	8.75CE-03	5.2685-03	1.222E-03
10	4.0896-03	6.731E-03	8.870E-03	1.012E-02	5.739E-03	1.669E-03
13	4.358E-C3	7.157E-C3	9.3396-03	9.56CE-03	5.182E-03	1.755E-C3
16	4.020E-03	6.752E-03	8.666E-03	8.110E-03	4.292E-03	1.611E-03
19	3.629E-03	6.0276-03	7.761E-03	6.896E-03	3.471E-03	1.417E-03
22	3.134E-03	5.283E-03	6.728E-03	5.637E-03	2.825E-03	1.202E-03
25	2.691E-03	4.543E+C3	5.689E-03	4.560E-03	2.2398-03	1.004E-03
28	2.287E-03	3.861E-03	4.890E-03	3.733E-03	1.776E-03	8.311E-04
31	1.9206-03	3.316E-03	4.1516-03	3.004E-03	1.474E-03	6.824E-04
- 34	1.668E-03	2.808E-03	3.4526-03	2.450E-03	1.105E-03	5.581E-C4
- 37	1.381E-03	2.393E-03	2.969E-03	1.991E-03	8.538E-04	4.610E-C4
40	1.190E-03	2.002E-03	2.501E-03	1.592E-03	6.814E-04	3.664E-04
43	9.780E-04	1.6826-03	2.0736-03	1.242E-03	5.2338-04	3.004E-04
46	8.193E-04	1.435E-03	1.744E-03	9.911E-04	3.794E-04	2.400E-04
49	6.760E-04	1.185E-03	1.4236-03	7.755E-04	2.760E-04	1.894E-04
52	5.641E-04	9.731E-04	1.1826-03	5.869E-04	2.041E-04	1.534E-04
- 55	4.668E-04	8.168E-04	9.942E-04	4.476E-04	1.371E-04	1.175E-04
- 5 8	3.5925-04	6.742E-04	7.830E-04	3.085E-04	9.251E-05	5.163E-05
61	2.9826-04	5.5398-04	6.651E-04	2.321E-04	5.851E-05	7.061E-05
64	2.3C7E-04	4.4998-04	5.207E-04	1.533E-04	3.469E-05	5.437E-05
67	1.687E-04	3.592E-04	3.993E-04	8.5498-05	1.720E-05	4.030E-05
7 C	1.351E-04	2.718E-04	2.925E-04	4.682E-05	4.917E-06	2.847E-05
73	9.475E-05	2.084E-04	2.471E-04	1.865E-05	2.338E-06	2.060E-05
76	6.320E-05	1.3836-04	1.600E-04	6.113E-06	-1.423E-08	1.465E-05
79	3.764E-05	9.4776-05	1.0586-04	1.744E-06	9.8205-08	7.841E-06
82	2.099E-05	5.636E-05	6.2896-05	1.063E-06	3.401E-07	4.828E-06
85	1.071E-05	3.062E-05	2.7136-05	2.702E-06	5.579E-07	2.881E-06
88	2.875E-C6	1.258E-C5	1.2306-05	2.557E-06	-1.2386-07	1.139E-C6
91	2.0198-06	5.8C2E-C6	5.081E-06	1.759E-06	1.2276-06	4.877E-07

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CHANNEL	L ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R+SQ CM./ MEV-ELEC.
1	2.022E 0C	C.0		0.0	
2	7.554E CQ	0.0		0.0	
3	1.309E 01	C•C		5.741E-11	
4	1.862E C1	0.0		1.603E-10	
5	2.415E C1	C • C		1.399E-10	
6	2.969E 1	^. ^		7.851F-11	
7	3.522E 01	6.220E-01	4.561E-03	5.883E-11	2.683E-13
8	4.075E C1	1.181E CC		4.341E-11	
9	4.628E Q1	1.095E 00		3.904E-11	
10	5.181E C1	1.035E 00	9.384E-03	3.576E-11	3.3556-13
11	5.735E °1	1.025E CC		3.47CE-11	
12	6.288E 01	1.029E CC		3.42°E-11	
13	6.841E C1	1.034E 00	9.299E-C3	3.42CE-11	3.1805-13
14	7.394E 01	1.030E 00		3.463E-11	
15	7.947E CI	1.022E 00		3.5246-11	
16	8.501E 01	1.021E CC	8.160E-03	3.675E-11	2.999E-13
17	9.054E Cl	1.021E 00		3.846E-11	
18	9.607E 01	1.050E 00		4.118E-11	
19	1.016E 05	1.020E 00	7.073E-03	4.3926-11	3.106E-13
20	1.071E C2	1.019E 00		4.674E-11	
21	1.127E 02	1.019E 00		4.969E-11	
22	1.182E 02	1.015E 00	5.978E-03	5.279E-11	3.156E-13
23	1.237E C2	1.016E CC		5.600E-11	
24	1.293E C2	1.01CE CC		5.927E-11	
2 *	1.748E C2	1.009E 00	4.917E-03	6.748E-11	3.072E-13
26	1.403E 02	1.010E CC		6.572E-11	
27	1.459E C2	1.G11E CC		6.943E-11	
28	1.514E C2	1.013E 00	4.123E-03	7.315E-11	3.016E-13
ŽА	1.569E 02	1.015E 00		7.691E-11	
20	1.6258 02	1.013E 00		8.067E-11	
31	1.680E C2	1.007E 00	3.40CE-03	8.444E-11	2.871E-13
32	1.7356 02	1.005E 00		8.816E-11	
33	1.791E C2	1.006E 00		9.187E-11	
34	1.846E C2	1.007E 00	2.813E-03	9.5488-11	2.686E-13
35	1.901E 02	1.008E 00		907E-11	
36	1.957E C2	1.01CE CC		1.0246-10	
37	2.012F C2	1.012E 00	2.353E-03	1.C47E-10	2.464E-13
3 B	2. C67E C2	1.015E 00		1.033E-10	
36	2.1236 02	1. MISE CC		1.062E-10	
40	2.1786 02	1.024E 00	1.964E-03	1.1538-10	2.265E-13

TARGET NO. 11 INCIDENT ELECTRON ENERGY 0.5 MEV

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TARGET NO. 11 INCIDENT ELECTRON ENERGY 0.5 MEV

CHANNEL	ENERG KEV	Y	CORR	ACT.	ENGY.SPEC. Photons/mev -Electron	FX.TO DOSE R/PHOTON/ 50.CM.	DOSE SPEC R-SQ CM./ Mev-elec.	
41	2.233E	02	1.0285	ĊŬ		1.213E-10		
42	2.28AE	02	1.032E	0C		1.252E-10		
43	2.?44E	C2	1.035E	00	1.612E-03	1.2916-10	2.081E-13	
44	2.399E	02	1.C38E	C C		1.3296-10		
45	2.454E	C2	1.044E	00		1.363E-10		
46	2.510E	<u>^2</u>	1.050E	0C	1.341E-03	1.398E-10	1.875E-13	
47	2.565E	02	1.057E	CC		1.442E-10		
48	2.62CE	02	1.°63E	CC.		1.482E-10		
49	2.676E	CZ	1.066E	00	1.093E-03	1.515E-10	1.657E-13	
50	2.731E	02	1.073E	C Ç		1.549E-10		
51	? . 786E	C 2	1.082E	00		1.582E-10		
52	2.8425	02	1.992E	00	9.009E-04	1.615E-10	1.455E-13	
53 0	2.8975	02	1.103E	00		1.648E-10		
54	2.952E	02	1.1136	00		1.687E-10		
55	3.008E	02	1.121E	00	7.475E-04	1.724E-10	1.289E-13	
56	3.063E	02	1.124E	00		1.752E-10		
57	3.1185	C 2	1.125E	00		1.781E-10		
58 1	3.174E	C2	1.124E	00	5.757E-04	1.814E-10	1.045E-13	
59	3.2298	02	1.134E	CC		1.847E-10		
60	3.284E	02	1.154E	00		1.881E-10		
61	3.740E	C2	1.168E	0 G	4.841E-04	1.918E-10	9.283E-14	-
62	3.395E	02	1.18°E	C C		1.956E-10		
63	3.450E	02	1.18CE	C n		1.990E-10		
64	3.506E	02	1.18CE	00	3.721E-04	2.023E-10	7.529E-14	
65	3.561E	C 2	1.182E	CO		2.057E-10		
66	3.616E	02	1.183E	00		2.088E-10		
67	3.672E	02	1.177E	0.0	2.717E-04	2.116E-10	5.749E-14	
68	3.727E	C 2	1.172E	00		2.146E-10		
69 1	3.782E	02	1.168E	00		2.179E-10		
70	3.838E	02	1.176E	00	1.543E-04	2.209E-10	4.291E-14	
71	3.893E	02	1.190E	00		2.236E-10		
72 3	3.948E	02	1.216E	00		2.269E-10		
73 /	4.004E	02	1.241E	00	1.560E-04	2.302E-10	3.592E-14	
74 4	4.0598	02	1.229E	ĊŎ		2.341E-10		
75 4	4.114E	C2	1.212E	00		2.3778-10		
76 4	4.169E	02	1.1858	CC	9.5206-05	2.405E-10	2.289E-14	
77 4	4.225E	02	1.171E	00		2.435E-10		
78 4	4.280E	r 2	1.175E	0 C		2.468E-10		
79 4	4.335E	02	1.175E	00	6.128E-05	2.494E-10	1.528E-14	
80 4	4.391E	<u>^2</u>	1.173E	00		2.516E-10		

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TARGET NO. 11 INCIDENT ELECTRON ENERGY 0.5 MEV

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CHANNEI	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
AI	4.446E 02	1.153E CC		2.548E-10	
82	4.501E C2	1.13CF 00	3.494E-05	2.581E-10	9.017E-15
РĴ	4.557E 02	1.117E CC		2.603E-10	
84	4.612E 02	1.0978 00		2.627E-10	
85	4.667E 02	1.05CE 00	1.646E-05	2.66CE-10	4.379E-15
86	4.723E C2	1.0C7E 00		2.691E-10	
87	4.778F C2	9.7048-01		2.719E-10	
A A	4.833E C2	9.664E-C1	6.633E-06	2.747E-10	1.8226-15
βĢ	4.889E C2	9.839E-01		2.774E-10	
90	4.944E 02	5.5278-01		2.802E-10	
91	4.999E 07	6.419E-03	2.328E-08	2.830E-10	6.587E-18
92	5.055E 02	C.C		2.861E-10	

CCSE= 7.921E-14 R-SQ.CM./ELECTRON

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TAF	RGET NO. 1 INCID	DENT ELECTRON ENE	RGY 0.6 MEV			
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PH)	[].
	7.5	15.0	30.0	45.0	60.0	75.0
7	1.378E-02	2.526E-02	3.561E-02	3.197E-02	2.192E-02	5.034E-03
10	1.9126-02	3.425E-02	4.9535-02	4.426E-02	2.977E-02	1.246E-02
13	1.970E-02	3.536E-C2	4.9946-02	4.5368-02	3.0668-02	1.264E-02
16	1.774E-02	3.184E-C2	4.6C0E-C2	4.101E-02	2.731E-02	1.140E-02
19	1.585E-02	2.835E-02	4.023E-02	3.569E-02	2.372E-02	5 . 989E-03
22	1.389E-02	2.4758-02	3.473E+02	3.045E-02	2.0436-02	e.463E-03
25	1.1916-02	2.139E-C2	2.953E-C2	2.604E-02	1.715E-02	7.184E-03
28	1.022E-02	1.826E-C2	2.507E-02	2.243E-07	1.460E-02	5.965E-03
31	8.811E-03	1.5886-02	2.184E-02	1.911E-02	1.2436-02	5.100E-03
34	7.588E-C3	1.352E-02	1.844E-02	1.615E-02	1.039E-02	4.296E-03
37	6.560E-03	1.175E-02	1.601E-02	1.397E-02	8.957E-03	3.657E-03
40	5.716E-03	1.0252-02	1.388E-02	1.177E-02	7.672E-03	2.9926-03
43	4.870E-C3	8.8296-03	1.184E-02	1.011E-02	6.478E-03	2.650E-03
46	4.362E-03	7.721E-03	1.032E-02	8.675E-03	5.717E-03	2.240E-03
49	3.789E-03	6.666E-03	8.731E-03	7.3476-03	4.729E-03	1.845E-03
52	3.297E-C3	5.829E-03	7.776E-03	6.427E-03	4.059E-03	1.613E-03
55	2.826E-03	5.234E-C3	6.720E-03	5.530E-03	3.399E-03	1.3776-03
58	2.508E-03	4.374E-03	5.742E-03	4.790E-03	3°003E-03	1.140E-03
61	2.185E-03	3.832E-03	5.224E-03	3.994E-03	2.5358-03	9,653E-C4
64	1.844E-03	3.493E-03	4.390E-03	3.549E-03	2.145E-03	8.387E-04
67	1.621E-03	3.026E-03	3.918E-03	3.054E-03	1.763E-03	6.710E-04
70	1.451E-03	2.533E-03	3.332E-03	2.573E-03	1.538E-03	5.842E-04
73	1.231E-03	2.2718-03	2.878E-03	2.161E-03	1.264E-03	4.862E-04
76	1.102E-03	1.874E-03	2.465E-03	1.823E-03	1.089E-03	4.060E-04
79	9.409E-04	1.728E-03	2.1685-03	1.609E-03	8.978E-04	3.236E-04
82	8.186E-04	1.433E-03	1.909E-03	1.368E-03	7.5996-04	2.661E-04
85	6.753E-04	1.175E-03	1.516E-03	1.158E-03	5.980E-04	2.129E-04
88	5.884E-04	1.050E-03	1.340E-03	9.203E-04	5.076E-C4	1.725E-04
91	4.681E-04	8.699E-04	1.1186-03	7.303E-04	3.677E-04	1.263E-C4
94	3.740E-C4	6.924E-04	8.655E-04	5.442E-04	3.225E-04	5.055E-C5
97	2.943E-04	6.145E-04	6.590E-C4	4.425E-04	2.066E-04	6.639E-05
100	2.374E-C4	4.4348-04	51085E-04	3w0275004	And 23EH04	4.58CE-C5
103	1.546E-04	3.234E-04	3.338E-04	1.802E-04	9.529E-05	3.453E-05
1^6	9.305E-05	2.083E-04	2.106E-04	1.253E-04	5.3028-05	1.399E-05
109	5.558E-05	1.219E-04	1.265E-04	7.668E-05	1.873E-05	5.757E-06

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TARGET	NO.	1	INCIDENT	ELECTRON	ENERGY	0.6	MEV

CHANNE	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	2.022E 0C	•• 0		n.n	
2	7.554E CC	r.r		n.n	
3	1.309E 01	C•C		5.741E-11	
4	1.862E ^1	C • C		1.603E-10	
5	2.4158 01	C.C		1•300E-Ju	
6	2.968E 01	C.O		7.8516-11	
7	3.5228 01	6.C42E-C1	2.018E-02	5.883E-11	1.187E-12
8	4.075E 01	1.149E 00		4.341E-11	
ġ	4.628E 01	1.081E CC		3.904E-11	
10	5.181E ^1	1.033E 00	4.751E-02	3.576E-11	1.699E-12
11	5.735E 01	1.026E 00		3.47CE-11	
12	6.288E C1	1.025E 00		3.420E-11	
13	6.841E C1	1.030E CC	4.843E-C2	3.420E-11	1.656E-12
14	7.394E 01	1.027E 00		3.463E-11	
15	7.947E C1	1.019E CC		3.524E-11	
16	8.501E 01	1.018E 00	4.334E-02	3.675E-11	1.593E-12
17	9.054E 01	1.018E CC		3.8465-11	
18	9.607E C1	1.016E 00		4.118E-11	
19	1.C16E C2	1.014E 00	3.778E-02	4.392E-11	1.659E-12
20	1.071E 02	1.014E CC		4.674E-11	
21	1.127E C2	1.014E 00		4.969E-11	
22	1.182E C2	1.014E CC	3.2548-02	5.279E-11	1.7185-12
23	1.237E 02	1.011E CC		5.60°E-11	
24	1.293E ^2	1.006E 00		5.927E-11	
25	1.3486 02	1.006E CC	2.7492-02	6.248E-11	1.7185-12
26	1.403E M2	1.096E 00		6.572E-11	
51	1.459E C2	1.0°5E °°		6.943E-11	
28	1.514E 02	1.006E 00	2.3405-12	7.3156-11	1.//68-12
29	1.0098 02	1.010E 90		1.6916-11	
317	1.6256 02	1.010E 00		8.06/E-II	
51	1.680E 02	1.000E 00	2.0196-02	8.4446-11	1.7946-12
20	1.7325 02	1.0035 00		8.8105-11	
2.3	1.7916 02		1 (005 00	9.1875-11	
24	1.8465 02	1.901E SC	1.0485-02	9.7485-11	1.6/11-12
20	1.901E 02	1.0055.00		4.907E-11	
)C	1.9276 02	1.0000 00	1 4705-02	1.0475 10	1 5/05 13
20	2 047E 02	1 0105 00	1.44196-112	3.00472-10	1.7478-12
20	2 1 2 2 5 0 7			1 04 25-10	
29	2.1235 12	1.0176.00	1 2795-02	1.1525-10	1 4745-12
4411	6.1/00 UZ	ようじよげき らし	1 • 2 / 95 = 12	エッエファビデエリ	1.4142-12

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TARGET NO. 1 INCIDENT ELECTRON ENERGY 0.6 MEV

CHANNE	L ENERGY Kev		CORR.FACT	ENGY.SPEC. Photons/mev -Electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SG CN./ MEV-ELEC.
41	2.233E	C 2	1.022E 00		1.213E-10	
42	2.288E	C 2	1.027E 00		1.2526-10	_
43	2.344E	02	1.C31E 00	1.109E-02	1.291E-10	1.432E-12
44	2.399E	02	1.035E CC		1.329E-10	
45	2.454E	02	1.043E 00		1.363E-10	
46	2.510E	02	1.C51E CC	9.833E-03	1.398E-10	1.374E-12
47	2.565E	2	1.754E CO		1.442E-10	
48	2.620E	02	1.058E 0C		1.482E-10	
49	2.676E	C 2	1.061E 00	8.3976-03	1.515E-10	1.273E-12
50	2.731E	<u>.</u> 2	1.07CE 00		1.549E-10	
51	2.786E	02	1.084E CC		1.582E-10	
52	2.842E		1.095E CO	7.5956-03	1.615E-10	1.227E-12
53	2.897E	nz	1.106E 00		1.648E-10	
54	2.552E	C Z	1.111E 00		1.687E-10	
55	3.CO6E	<u>.</u> 2	1.1176 00	6.687E-03	1.724E-10	1.1536-12
56	3.063E		1.125E CC		1.752E-10	
57	3.118E	rz	1.133E 00		1.781E-10	
58	3.174E	02	1.139E 00	5.864E-03	1.814E-10	1.7646-12
59	3.229E	02	1.146E CC		1.847E-10	
60	3.284E	02	1.154E CO		1.881E-10	
61	3.340E	02	1.163E 00	5.1926-03	1.918E-10	9.956E-13
62	3.395E	0 Z	1.172E CC		1.956E-10	
63	3.450E	C 2	1.180E 00		1.990E-10	
64	3.506E	02	1.18/E 00	4.5936-03	2.023E-10	9.2928-13
65	3.561E	αz	1.196E CC		2.057E-10	
66	3.616E	~ 2	1.204E 00		2.088E-10	
67	3.672E	C 2	1.210E 00	4.040E+03	2.1165-10	8.548E-13
68	3.727E		1.2156 00		2.146E-10	
69	3.1825			2 (025 02	2.1795-10	7 (0/5 1)
717	3.838E	2	1.2238 00	3.483E=03	2.2095-10	1.0945-15
71	3.8936	0 Z	1.2298 00		2.2305-10	
72	2.94CE	~ ~	1.2342 00	2 0125 02	2.2095-10	(03(5 13
75	4.042		1.2396 00	3.012E-03	2.3026-10	0.9305-13
74	4.1395	2	1.2446 00		2.3416-10	
75	4.1400		1.2495 00	3 5005 63	2.5776410	1 22/5 22
70	4 107E (52	1.2222 00	2.7000-195	2.4076-10	0.2245-13
77	4.207E	1 Z	1.2012 UC		2.4576419	
70	- 4.20UE - 4	2	1 2005 00	2 2205-02	2.408t-10 3.404E-10	6 0105-13
79	M + 557E 1		1.2905 00	2.3295-13	2.4942-10	3.81"E=13
86	4+371E (2	1.4CCF CC		2.516E-19	

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TARGET N	1 • 0	INCIDENT	ELECT	RON	ENERGY	0.6	MEV
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CHANN	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
P1	4.446E C2	1.31 CE CC		2.548E-10	
82	4.501E C2	1.32CE 00	2.0398-03	2.581E-10	5.263E-13
83	4.557E C2	1.314E 00		2.603E-10	
P 4	4.612E 02	1.309E 00		2.627E-10	
85	4.667E C2	1.309E 00	1.646E-03	2.66CE-10	4.378E-13
86	4.723E 02	1.316E 00		2.691E-10	
87	4.778E C2	1.335E CC		2.7198-10	
88	4.833E 02	1.348E CC	1.446E-03	2.747E-10	3.970E-13
89	4.889E C2	1.357E CC		2.774E-10	
90	4.944E C2	1.357E CC		2.802E-10	
91	4.999E 02	1.355E CC	1.165E-03	2.83CE-10	3.296E-13
92	5.055E 02	1.357E CC		2.861E-10	
93	5.11CE C2	1.355E CC		2.892E-10	
94	5.165E 02	1.359E 00	9.153E-04	2.923E-10	2.675E-13
95	5.221E C2	1.364E 00		2.954E-10	
96	5.276E C2	1.377E CC		2.982E-10	
97	5.331E C2	1.386F CC	7.299E-04	3.0096-10	2.196E-13
9.8	5.387E C2	1.393E 00		3.036E-10	
9 q	5.442E 02	1.393E CC		3.062E-10	
100	5.497E C2	1.39CE CC	5.345E-04	3.089E-10	1.651E-13
101	5.553E C2	1.382E 00		3.117E-10	
102	5.608E 02	1.375E CO		3.146E-10	
103	5.663E 02	1.368E CC	3.477E-04	3-1758-10	1.104E-13
104	5.719E 02	1.369E CC		3.204E-10	
105	5.774E C2	1.386E CC		3.231E-10	
196	5.829E 02	1.416E CC	2.2698-04	3.258E-10	7.3938-14
107	5.885E 02	1.458E 00		3.285E-10	
108	5.94CE C2	8.837E-01		3.311E-10	
109	5.995E C2	7.086E-C2	6.498E-06	3.338E-10	2.169E-15
110	6.051E C2	n.n		3.368E-10	

CCSE= 5.761E-13 R-SQ.CM./ELECTRON

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TAR	GET NO. 2 INC	IDENT ELECTRO	N ENERGY O.	6 MEV		
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PH)	[].
	7.5	15.0	30.0	45.0	60.0	75.0
7	5.443E-03	1.720E-02	2.469E-02	2.228E-02	1.534E-02	6.255E-C3
10	1.493E-02	2.7246-02	3.874E-02	3.5608-02	2.4286-02	5.743E-03
13	1.662E-02	3.0576-02	4.296E-02	3.920E-02	2.647E-02	1.078E-02
16	1.5826-02	2.9356-02	4.095E-02	3.673E-02	2.477E-02	1.016E-02
19	1.448E-C2	2.6265-02	3.720E-02	3.327E-02	2.2546-02	9.041E-03
22	1.27CE-02	2.300E-02	3.221E-02	2.909E-02	1.946E-02	7.852E-C3
25	1.108E-02	2.0428-02	2.825E-02	2.478E-02	1.679E-02	6.748E-03
28	5.663E-03	1.739E-02	2.427E-02	2.128E-02	1.416E-02	5.674E-03
31	8.370E-03	1.5136-02	2.086E-02	1.833E-02	1.188E-02	4.813E-C3
- 34	7.2956-03	1.316E-C2	1.808E-02	1.551E-02	1.030E-02	4.050E-03
37	6.275E-03	1.1346-02	1.5C2E-02	1.332E-02	8.818E-03	3.455E-C3
40	5.4796-03	9.948E-03	1.316E-02	1.159E+02	7.525E-03	2.943E-03
43	4.787E-C3	8.593E-03	1.150E-C2	9.791E-03	6.345E-03	2.534E-C3
46	4.178E-03	7.333E-C3	1.01CE-02	8.516E-03	5.461E-03	2.121E-03
49	3.627E-03	6.627E-03	8.7855-03	7.423E-03	4.610E-03	1.827E-03
- 52	3.163E-03	5.640E-03	7.629E-03	6.411E-03	4.033E-03	1.529E-03
55	2.768E-03	4.98CE-C3	6.685E-03	5.228E-03	3.376E-03	1.304E-03
- 58	2.4596-03	4.356E-C3	5.760E-03	4.695E-03	2.971E-03	1.110E-03
61	2.046E-03	3.716E-03	4.854E-03	4.119E-03	2.475E-03	5.217E-C4
64	1.865E-03	3.337E-03	4.336E-03	3.502E-03	2.168E-03	7.764E-04
67	1.569E-C3	2.954E-C3	3.678E-03	2.944E-03	1.751E-03	6.681E-04
70	1.397E-03	2.4458-03	3.3266-03	2.5876-03	1.4736-03	5.569E-04
73	1.158E-03	2.131E-03	2.684E+03	2.173E-03	1.281E-03	4.707E-C4
76	1.039E-03	1.976E-03	2.36CE-03	1.870E-03	1.062E-03	3.8586-04
79	8.854E-04	1.634E-03	2.033E-03	1.538E-03	8.5606-04	3.048E-04
82	7.435E-04	1.386E-03	1.718E-03	1.2926-03	7.194E-04	2.570E-C4
85	6.776E-04	1.1776-03	1.433E-03	1.055E-03	6.013E-04	1.967E-04
88	5.554E-04	1.011E-03	1.249E-C3	8.716E-04	5.0508-04	1.554E-04
91	4.812E-04	8.3205-04	1.012E-03	7.347E-04	3.810E-04	1.165E-04
94	3.721E-04	6.461E-C4	8.3326-04	5.409E-04	2.9076-04	5.C84E-05
97	2.8876-04	5.468E-04	6.169E-04	4.093E-04	2.0966-04	6.178E-05
100	2.187E-04	4.661E-04	4.875E-04	3.385E-04	1.4786-04	3.974E-05
103	1.500E-04	3.141E-C4	3:645E-04	2.134E-04	9.2296-05	2.660E-05
106	9.149E-05	1.902E-04	2.256E-04	1.1976-04	4.563E-05	1.248E-05
109	5.750E-05	1.121E-04	1.2678-04	7.3298-05	3.2385-05	6.347E-06

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CHANNE	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	2.022E CC	n. n		r.r	
2	7.554E CC	<u>c</u> .c		0.0	
3	1.309E 01	0 . 0		5.741E-11	
4	1.962E 01	r.n		1.603E-10	
5	2.415E 01	0.0		1.399E-10	
6	2.968F 01	0.0		7.851E-11	
7	3.522E 01	5.813E-01	1.346E-07	5.883E-11	7.920E-13
8	4.0758 01	1.108E 00		4.341E-11	
ġ	4.628E C1	1.058E CC		3.904E-11	
10	5.181E C1	1.023E 00	3.7468-02	3.576E-11	1.339E-12
11	5.735E 01	1.018E OC		3.47CE-11	
12	6.288E 01	1.020E 00		3.420E-11	
13	6.841E C1	1.029E 00	4.165E-02	3.42°E-11	1.424E-12
14	7.394E C1	1.026E 00		3.463E-11	
15	7.947E 01	1.017E 00		3.524E-11	
16	8.501E ^1	1.017E CO	3.893E-02	3.675E-11	1.431E-12
17	5.054E 01	1.018E CC		3.846E-11	
18	9.607E C1	1.018E 00		4.118E-11	
19	1.016E 02	1.017E 00	3.524E-02	4.392E-11	1.548E-12
50	1.071E 02	1.015E 0C		4.674E-11	
21	1.127E 02	1.014E 00		4.969E-11	
22	1.182E C2	1.013E 00	3.054E-02	5.279E-11	1.612E-12
23	1.237E 02	1.011E CC		5.60°E-11	
24	1.293E C2	1.008E 00		5.927E-11	
25	1.348E 02	1.008E 00	2.636E-02	6.248E-11	1.647E-12
26	1.403E 02	1.009E 00		6.572E-11	
27	1.459E C2	1.007E 00		6.943E-11	
28	1.514E 02	1.007E CC	2.251E-C2	7.315E-11	1.646E-12
29	1.569E 02	1.009E CO		7.691E-11	
30	1.625E ^2	1.008E 00		8.067E-11	
31	1.680E C2	1.003E 00	1.922E-02	8.444E-11	1.623E-12
32	1.7356 02	1.003E 00		8.816E-11	
33	1.791E 02	1.005E 00		9.187E-11	
34	1.846E C2	1.006E 00	1.658E-02	9.548E-11	1.583E-12
35	1.901E C2	1.005E 00		9.907E-11	
36	1.957E C2	1.003E 00		1.0246-10	
37	2.012E 02	1.002E CC	1.4056-02	1.047E-10	1.471E-12
38	2.067E 02	1.006E 00		1.033E-10	
39	2.123E C2	1.012E 00		1.062E-10	
40	2.178E C2	1.019E 00	1.241E-C2	1.153E-10	1.432E-12

TARGET NO. 2 INCIDENT ELECTRON ENERGY 0.6 MEV

TARGET NO. 2 INCIDENT ELECTRON ENERGY 0.6 MEV

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CHANNEL	. ENERGY Kev	CORR.FACT.	ENGY.SPEC. Photons/Mev -Electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
41	2.233E 0	2 1.025E CC		1.213E-10	
42	2.288E C	2 1.029E 00		1.252E-10	
43	2.344E C	2 1.032E 00	1.0795-02	1.291E-10	1.392E-12
44	2.399E 0	2 1.034E CC		1.329E-10	
45	2.454E C	2 1.035E 0C		1.363E-10	
46	2.510E C	2 1.C44E 00	9.461E-03	1.398E-10	1.3226-12
47	2.565E C	2 1.054E CC		1.442E-10	
48	2.620E C	2 1.063E 00		1.482E-10	
49	2.676E 0	2 1.072E 00	8.454E-03	1.515E-10	1.281E-12
50	2.731E C	2 1.08CE 00		1.549E-10	
51	2.786E C	2 1.085E CC		1.582E-10	
52	2.842E 0	2 1.096E 00	7.468E-03	1.615E-10	1.206E-12
53	2.897E 0	2 1.103E 00		1.648E-10	
54	2.952E "	2 1.105E 00		1.687E-10	
55	3.008E 0	2 1.108E CO	6.4385-03	1.724E-10	1.11^E-12
56	3.063E 0	2 1.123E OC		1.752E-10	
57	3.118E 0	2 1.136E QQ		1.781E-10	
58	3.174E 0	2 1.146E 00	5.843E-03	1.814E-10	1.060E-12
59	3.229E ^	2 1.152E CC		1.847E-10	
60	3.284E 0	2 1.153E CC		1.881E-10	
61	3.340E 0	2 1.160E 00	5.031E-03	1.918E-10	9.649E-13
62	3.295E C	2 1.169E 00		1.956E-10	
63	3.450E C	2 1.182E CO		1.99CE-10	
64	3.506E 0	2 1.194E 00	4.545E-03	2.023E-10	9.197E-13
65	3.561E 0	2 1.197E CC		2.057E-10	
66	3.616E 0	2 1.20CE CC		2.088E-10	
67	3.672E C	2 1.202E OC	3.871E-03	2.116E-10	8.189E-13
68	3.727E C	2 1.209E 00		2.146E-10	
69	3.782E 0	2 1.221E CC		2.179E-10	
70	3.838E 0	2 1.228E 0C	3.443E-03	2.209E-10	7.605E-13
71	3.893E 0	2 1.233E 00		2.236E-10	
72	3.548E 0	2 1.232E CC		2.269E-10	
73	4.004E 0	2 1.231E 00	2.895E-03	2.302E-10	6.665E-13
74	4.059F C	2 1.248E QC		2.341E-10	
75	4.114E C	2 1.262E CC		2.377E-10	
76	4.169E 0	2 1.2716 00	2.6098-03	2.405E-10	6.273E-13
77	4.225E C	2 1.276E 00		2.435E-10	
78	4-280F 0	2 1.276E CC		2.468E-10	
79	4.335F 0	2 1.278E 00	2.185E-03	2.494E-10	5.450E-13
80	4.391E C	2 1.281E CO		2.516E-10	
0.4					

TARGET NO. 2 INCIDENT ELECTRON ENERGY 0.6 MEV

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CHANNI	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
81	4.446E 02	1.287E CC		2.548E-10	
82	4.501E C2	1.293E 00	1.864E-03	2.581E-10	4.810E-13
83	4.557E C2	1.299 <u>5</u> 00		2.603E-10	
<u>P</u> 4	4.612E 02	1.305E CC		2.6276-10	
85	4.667E C2	1.312E CC	1.579E-03	2.66°E-10	4.201E-13
86	4.723E C2	1.322E 00		2.691E-10	
87	4.778E C2	1.336E 00		2.719E-10	
88	4.833E 02	1.348E 00	1.372E-03	2.747E-10	3.769E-13
89	4.889E C2	1.358E 0C		2.774E-10	
90	4.944E C2	1.363E OC		2.8028-10	
91	4.999E 02	1.367E CC	1.134E-C3	2.830E-10	3.209E-13
92	5.055E 02	1.365E 00		2.861E-10	
C 2	5.11CE 02	1.362E 00		2.892E-10	
94	5.165E 02	1.355E CC	6.758E-04	2.923E-10	2.560E-13
95	5.221E 02	1.350E 00		2.954E-10	
96	5.276E ^2	1.347E 00		2.982E-10	
97	5.331E 02	1.357E CC	6.682E-C4	3.009E-10	2.011E-13
9 8	5.387E 02	1.376E 00		3.C36E-10	
99	5.442E C2	1.406E 00		3.0628-10	
100	5.497E C2	1.440E CC	5.636E-04	3.089E-10	1.741E-13
101	5.553E 02	1.439E 0C		3.117E-10	
1^2	5.608E C2	1.434E CO		3.1468-10	
103	5.663E 02	1.424E OC	3.8C3E-04	3.175E-10	1.207E-13
104	5.719E 02	1.410E 00		3.204E-10	
105	5.774E C2	1.389E CC		3.231E-10	
106	5.829E 02	1.397E CC	2.187E-04	3.258E-10	7.126E-14
107	5.885E C2	1.431E CC		3.285E-10	
108	5.94CE 02	8.66CE-C1		3.311E-10	
109	5.995E C2	6.944E-02	6.473E-06	3.338E-10	2.161E-15
110	6.051E C2	0.0		3.368E-10	

CCSE= 5.404E-13 R-SQ.CM./ELECTRON

TAR	GET NO. 3 INC.	DENT ELECTRO	N ENERGY O.	5 MEV		
CH.	NET PULSE HEI	GHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	PHI) COS(PHI).	
	7.5	15.0	30.0	45.0	60.0	
7	1.349E-02	2.491E-C2	3.5526-02	3.158E-02	2.1626-02	
10	1.910E-C2	3.4056-02	4.943E-02	4.439E-^2	2.986E-02	
13	1.961E-02	3.517E-02	5.0746-02	4.547E-02	3.0468-02	
16	1.8036-02	3.223E-C2	4.5966-02	4.140E-02	2.731E-02	
19	1.5986-02	2.867E-02	4.C69E-C2	3.615E-02	2.4078-02	
22	1.405E-02	2.475E-C2	3.550E-02	3.093E-02	2.073E-02	
25	1.2C9E-02	2.118E-C2	2.9796-02	2.644E-02	1.748E-02	
28	1.0276-02	1.866E-02	2.6095-02	2.242E-02	1.4526-02	
31	8.937E-03	1.579E-C2	2.220E-02	1.931E-02	1.252E-02	
34	7.595E-C3	1.372E-C2	1.889E-02	1.636E-02	1.058E-02	
37	6.681E-C3	1.184E-C2	1.62CE-C2	1.412E-02	9.092E-03	
40	5.759E-03	1.018E-02	1.4316-02	1.209E-02	7.695E-03	
43	5.C39E-03	8.986E-C3	1.2056-02	1.0286-02	6.433E-03	
46	4.321E-03	7.713E-03	1.C57E-C2	8.94re-r3	5.607E-03	
49	3.804E-03	6.0808-03	9.0916-03	7.635E-03	4.760E-03	
52	3.324E-03	5.909E-C3	8.0546-03	6.5976-03	4.078E-03	
- 55	2.854E-C3	5.121E-03	6.884E-C3	5.6226-03	3.459E-03	
58	2.528E-03	4.504E-03	5.8716-03	4.976E-03	2.953E-03	
61	2.200E-C3	3.915E-03	5.0916-03	4.1778-03	2.5468-03	
64	1.919E-03	3.445E-03	4.4726-03	3.593E-03	2.072E-03	
67	1.744E-03	2.9836-03	3.826E-03	2.975E-03	1.8226-03	
70	1.433E-03	2.5988-03	3.359E-03	2.7208-03	1.558E-03	
73	1.265E-03	2.213E-03	2.828E-03	2.268E-03	1.340E-03	
76	1.108E-03	1.921E-03	2.5156-03	1.906E-03	1.088E-03	
79	5.447E-C4	1.6576-03	2.188E-03	1.6168-03	9.0995-04	
82	8.334E-04	1.505E-03	1.76CE-03	1.362E-03	7.445E-04	
85	6.933E-04	1.247E-03	1.5598-03	1.146E-03	5.632E-04	
P 8	5.5668-04	1.043E-03	1.3556-03	9.331E-04	5.088E-04	
91	5.100E-04	8.55CE-C4	1.0485-03	7.619E-04	3.6796-04	
94	3.835E-04	7.211E-C4	8.336E-04	5.622E-04	2.894E-^4	
97	3.013E-04	5.633E-C4	6.745E-04	4.678E-04	2.016E-04	
100	2.5826-04	4.263E-04	5.1068-04	3.366E-04	1.381E-04	
103	1.7708-04	3.1856-04	4.060E-04	2.103E-04	9.366E-05	
106	1.045E-04	2.C36E-C4	2.0495-04	1.378E-04	5.853E-05	
109	6.394F-05	1-1125-04	1.287E-04	6-828E-05	2,2916-05	

TARGET NO. 3 INCIDENT ELECTRON ENERGY 0.6 MEV

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
ı	2.022E 0C	c.0		0.0	
?	7.554E CC	0.0		v.ŭ	
,	1.309E 01	r.0		5.741E-11	
4	1.862E 01	0.C		1.603E-10	
5	2.415E 01	C.C		1.39°E-10	
6	2.968E 01	0.0		7.8516-11	
7	3.522E C1	6.C26E-C1	2.094E-02	5.883E-11	1.237E-12
Ŕ	4.075E 01	1.146E 00		4.341E-11	
9	4.628E C1	1.080E CO	-	3.904E-11	
10	5.181E 01	1.032E 00	4.992E-02	3.576E-11	1.785E-12
11	5.735E 01	1.025E 0C		3.470E-11	
12	6.288E C1	1.025E 90		3.42°E-11	
13	6.841E 01	1.030E 00	5.107E-02	3.42CE-11	1.746E-12
14	7.394E C1	1.026E CC		3.463E-11	
15	7.°47E ^1	1.018E 00		3.524E-11	
16	8.501E 01	1.017E CC	4.576E-02	3.675E-11	1.682E-12
17	5.054E 01	1.017E CC		3.846E-11	
1.8	9.607E 01	1.016E 00		4.118E-11	
19	1.016E 02	1.015E 00	4.022E-02	4.392E-11	1.766E-12
20	1.071E 02	1.014E 00		4.674E-11	
21	1.127E ^2	1.015E CC		4.969E-11	
22	1.182E 02	1.015E CC	3.478E+02	5.279E-11	1.836E-12
23	1.237E C2	1.011E 00		5.60CE-11	
24	1.293E C2	1.005E CC		5.927E-11	
25	1.348E C2	1.004E CC	2.918E-02	6.248E-11	1.823E-12
26	1.403E 02	1.005E 0C		6.572E-11	
27	1.459E C2	1.006E 00		6.943E-11	
28	1.514E 02	1.007E CC	2.508E-02	7.3156-11	1.8356-12
29	1.569E 02	1.01CE 00		7.691E-11	
20	1.625E C2	1.00SE CC		8.067E-11	
31	1.68CE C2	1.004E 00	2.1416-02	8.444E-11	1.808E-12
32	1.735E C2	1.002E 00		8.816E-11	
33	1.791E C2	1.002E CC		9.187E-11	
34	1.846E C2	1.002E CC	1.819E-C2	9.548E-11	1.737E-12
35	1.901E C2	1.003E 00		9.907E-11	
36	1.957E C2	1.004E 00		1.0248-10	
37	2.012E 02	1.706F CC	1.573E=02	J.04/E-I0	1.64/6-12
3 Đ	Z.067E 02	1.010E 00		1.0336-10	
39	2.123E C2	1.0146 00		1.0626-10	1 6036 10
40	2.178E C2	I.CZCE CC	1.376E-02	1.1536-10	1.5876-12

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TARGET NO. 3 INCIDENT ELECTRON ENERGY 0.6 MEV

CHANNEL	ENERGY KEV	1	CORROF	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	2.233E	٢2	1.024E	00		1.213E-10	
4 Z	2.288E	CZ	1.027E	00		1.252E-10	
43	2.344E	QZ	1.030E	00	1.1826-02	1.2916-10	1.525E-12
44	2.399E	C Z	1.C32E	<u>a</u> č		1.329E-10	
45	2.4545	CZ	1.035E	āQ		1.363E-10	
46	2.510E	02	1.746E	00	1.7456-02	1.398E-10	1.461E-12
47	2.565E	CZ	1.054E	00		1.442E-10	
48	Z.EZCE	02	1.062E	00		1.4826-10	
49	2.6/65	C Z	1.068E	00	9.1921-03	1.5158-10	1.3938-12
50	2.731E	CZ	1.0776	00		1.5498-10	
51	2.786E	02	1.088E	00		1.582E-10	
52	2.842E	02	1.096E	00	8.199E-03	1.615E-10	1.324E-12
53	2.8976	C Z	1.105E	00		1.648E-10	
54	2.952E	02	1.108E	CC		1.687E-10	
55	3.008E	ü Z	1.1125	00	7.1056-03	1.724E-10	1.225E-12
56	3.C63E	r2	1.124E	00		1.752E-10	
57	3.118E	CZ	1.134E	CC		1.781E-10	
58	3.1/4E	C2	1.143E	00	6.3462-03	1.814E+10	1.151E-12
59	3.229E	CZ	1.1518	ù0		1.847E-10	
60	3.284t	02	1.156E	00		1.881E-10	
61	3.349E	02	1.163E	00	5.540E-03	1.918E-10	1.062E-12
62	3.395E	02	1.170E	00		1.956E-10	
63	3.450E	C2	1.1765	CO		1.99CE-10	
64	3.506E	41 2	1.1825	00	4.8456-03	2.023E-10	9.803E-13
65	3.561E	62	1.1885	00		2.057E-10	
66	3.616E	02	1.194E	CO		2.088E-10	
67	3.6/2E	02	1.20CE	00	4.211E-03	2.116E-10	8.910E-13
68	3.121E	92	1.2096	00		2.146E-10	
69	3.782E	02	1.223E	CC		2.179E-10	
10	3.838E	C2	1.233E	пĝ	3.8066-03	2.209E-10	8.407E-13
71	3.8936	5Z	1.239E	00		2.236E-10	
72	3.548E	n2	1.24CE	CC		2.269E-10	
73	4.CU4E	02	1.2416	00	3.2445-03	2.302E-10	7.4696-13
74	4.0598	C Z	1.245	00		2.341E-10	
15	4.119E	CZ	1.2578	00		2.377E-10	
76	4.109E	02	1.2015	00	2.8256-03	2.405E=10	6.794E-13
77	9.2255	02	1.268E	00		2.4378-10	
18	9.280E	02	1.278E	00	2 // 25 22	2.468E-10	
79	4.335E	τZ	1.285E	0.0	2.4626-03	2.494E-10	6.140E-13
80	4.391E	5 2	1.2825	CQ.		Z•516E-10	

TARGET NO. 3 INCIDENT ELECTRON ENERGY 0.6 MEV

CHANNE	L ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
81	4.446E 02	1.292E 00		2.548E-10	
82	4.501E C2	1.295E CC	2.C81E-C3	2.581E-10	5.371E-13
83	4.557E C2	1.301E 00		2.603E-10	
P 4	4.612E C2	1.309E 00		2.6?7E-10	
85	4.667E 02	1.317E 00	1.776E-03	2.66°E-10	4.726E-13
86	4.723E C2	1.329E 00		2.691E-10	
87	4.778E C2	1.346E CC		2.719E-10	
88	4.833E 02	1.355E CC	1.550E-C3	2.747E-10	4.258E-13
6 0	4.889E C2	1.359E 00		2.774E-10	
90	4.944E C2	1.354E CC		2.802E-10	
91	4.995E 02	1.347E CC	1.223E-03	2.830E-10	3.461E-13
92	5.055E 02	1.348E CC		2.861E-10	
93	5.110E 02	1.349E 00		2.8926-10	
94	5.165E C2	1.350E CC	9.600E-04	2.923E-10	2.806E-13
95	5.221E 02	1.356E CO		2.954E-10	
96	5.276E C2	1.371E CC		2.982E-10	
97	5.231E C2	1.382E CC	7.785E-04	3.009E-10	2.343E-13
9 0	5.387E C2	1.391E 0C		3.036E-10	
99	5.442E 02	1.393E CC		3.062E-10	
100	5.497E C2	1.394E CC	5.8436-04	3.089E-10	1.805E-13
101	5.553E C2	1.411E CC		3.117E-10	
102	5.608E 02	1.428E 0C		3.146E-10	
103	5.663E 02	1.436E CC	4.320E-04	3.175E-10	1.371E-13
104	5.719E 02	1.434E CC		3.204E-10	
.105	5.774E C2	1.417E 00		3.231E-10	
106	5.829E 02	1.409E CC	2.486E-04	3.2586-10	8.098E-14
107	5.P85E C2	1.422E 00		3.285E-10	
108	5.94CE C2	8.574E-C1		3.311E-10	
109	5.995E C2	6.8758-02	6.676E-C6	3.338E-10	2.212E-15
110	6.051E 02	r.r		3.368E-10	

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DOSE= 6.14CE-13 R-SQ.CM./ELECTRON

TAR	GET NO. 4 INC	IDENT ELECTRO	IN ENERGY 0.0	5 MEV	
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI).
	7.5	15.0	30.0	45.0	60.0
7	9.926E-03	1.776E-02	2.698E-02	2.366E-02	1.579E-02
10	1.559E-02	2.777E-02	4.224E-02	3.701E-02	2.4648-02
13	1.745E-02	3.096E-02	4.672E-02	4.065E-02	2.7246-02
16	1.656E-C2	2.902E-02	4.438E-02	3.818E-02	2.545E-02
19	1.5116-02	2.668E-02	4.003E-02	3.4376-02	2.2786-02
22	1.332E-02	2.331E-C2	3.534E-02	2.995E-02	1.983E-02
25	1.147E-02	2.022E-02	2.987E-C2	2.596E-02	1.665E-02
58	5.994E-03	1.756E-C2	2.630E-02	2.176E-02	1.438E-02
- 31	8.571E-03	1.519E-02	2.254E-02	1.905E-02	1.225E-02
- 34	7.497E-03	1.320E-02	1.921E-02	1.617E-02	1.039E-02
37	6.423E-03	1.133E-02	1.634E-C2	1.397E-02	8.949E-0 <u>3</u>
40	5.607E-03	9.937E-03	1.4436-02	1.197E-02	7.6716-03
43	4.953E-03	8.656E-03	1.2376-02	1.003E-02	6.521E-03
46	4.336E-03	7.475E-03	1.084E-02	8.850E-03	5.510E-03
49	3.802E-03	6.536E-03	9.340E-03	7.542E-03	4.725E-C3
52	3.301E-03	5.763E-03	8.126E-03	6.563E-03	4.004E-03
-55	2.858E-C3	4.90CE-03	7.130E-03	5.710E-03	3.4596-03
-58	2.513E-03	4.359E-03	6.000E-03	4.759E-03	2.9376-03
61	2.194E-03	3.7956-03	5.264E-03	4.194E-03	2.472E-03
64	1.925E-C3	3.345E-03	4.562E-03	3.538E-03	2.1408-03
67	1.666E-03	2.861E-03	3.979E-03	3.013E-03	1.834E-03
70	1.465E-03	2.496E-03	3.5216-03	2.5886-03	1.5936-03
73	1.2376-03	2.244E-03	2.9576-03	2.229E-03	1.290E-03
-76	1.074E-03	1.882E-C3	2.547E-03	1.842E-03	1.017E-03
79	9.6756-04	1.662E-03	2.225E-03	1.604E-03	8.905E-04
82	7.724E-04	1.425E-C3	1.8926-03	1.3686-03	7.477E-04
85	6.787E-04	1.232E-03	1.637E-03	1.155E-03	6.0496-04
88	5.7016-04	1.0356-03	1.267E-03	8.842E-04	4.788E-04
91	4.662E-04	8.619E-04	1.035E-03	7.516E-04	4.0228-04
94	3.7456-04	7.058E-C4	9.C96E-C4	5.774E-04	2.773E-04
97	3.1406-04	5.327E-04	7.044E-04	4.093E-04	2.172E-04
100	2.122E-04	4.243E-04	5.151E-04	3.010E-04	1.260E-04
1^3	1.498E-04	2.971E-04	3.7186-04	2.231E-04	1.000E-04
106	1.163E-04	2.209E-04	2.5806-04	1.427E-04	6.751E-05
100	6.1855-05	1.0315-04	1.4105-04	5.7155-05	2.6155-05

TARGET NO. 4 INCIDENT	ELECTRON	ENERGY	0.6	MEV
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CHANNI	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	2.022E CC	C.O		r.r	
?	7.554E CC	r.n		0.0	
3	1.309E 01	Ç•Ç		5.741E-11	
4	1.862E C1	0.0		1.603E-10	
5	2.415E 01	C •0		1.399E-10	
6	2.568E 01	0.0		7.851E-11	
7	3.522E 01	5.829E-01	1.504E-02	5.883E-11	8.849E-13
8	4.075E C1	1.111E CC		4.341E-11	
9	4.628E C1	1.059E CC		3.904E-11	
10	5.181E C1	1.022E 00	4.176E+02	3.576E-11	1.4756-12
!1	5.735E C1	1.018E CC		3.47°E-11	
12	6.2888 01	1.CZLE CC		3.42ME-11	
17	6.841E 01	1.030E 00	4.594E-r2	3.420E-11	1.571E-12
14	7.394E C1	1.026E CO		3.463E-11	
15	7.947E C1	1.018E 0C		3.524E-11	
16	8.501E 01	1.017E CC	4.272E-02	3.675E-11	1.57CE-12
17	5.054E C1	1.017E CC		3.846E-11	
18	9.607E m1	1.0178 00		4.118t-11	
19	1.0166 02	1.016E CC	3.852E-C2	4.397E-11	1.6926-12
Zn	1. 771E C2	1.015E 00		4.674E-11	
21	1.127E 02	1.015E 00	2 2355 82	4.969E-11	
22	1.182E C2	1.017E 90	3.3/5E-02	5.279E-11	1.782E-12
23	1.237E 02	1.012E OC		5.60°E-1)	
24	1.293E 02	1.006E 00	2 2/25 02	5.927E-11	
25	1.348E 02	1.005E 00	2.849E-02	6.2488-11	1.7808-12
20	1.4036 02	1.0055 00		0.5/2E-11	
21	1.4556 (2	1.CUCE 00	2 () 25 02	E.94 /E-11	1 0015 13
28	1.514E FZ	1.007E 00	2.4525-02	7.4176-11	1.801E-12
24	1.0098 12	1.0105 00		7.691E-11	
30	1.6256 02	1.010E 00	a 1105 AA	8.0676-11	1 7005 13
51	1.689E 02	I. 00/5 00	2.1196-02	8.4446-11	1.7978-12
3/	1.7075 12	1.0045 00		8.8165-11	
		1.004E CC	1 00/5 00	9.18/1-11	
	1.840E V2	1.0036 00	L.BUCE-UZ	9,7485-11	1. /275-12
37	1.9018 12	1.0038 00		9.90/E-11	
50	1.5772 4	1.0045 00 1.0045 00	1 6616 00	1.0675 10	1 (2/ 5) 2
51	2.0'12t ''2	1 000F 00	1. JJIE-"2	J +114 / E = 10	1.0245-12
58	2.1075 12	1.0125 00		1 04 25 - 10	
54	2+125C 12		1 3405 03	1 1525 10	1 6705 10
4	2.1/8E "2	APCAGE SC	しょうロタビーハイ	メットラクビードワ	1.0796-12

TARGET NO. 4 INCIDENT ELECTRON ENERGY 0.6 MEV

CHANNEL	ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
41	2.233E 02	1.025E CC		1.2136-10	
42	2.788E C2	1.028E 00		1.2526-10	
43	2.344E 02	1.031E 00	1.180E~02	1.291E-10	1.522E-12
44	2.399E 02	1.033E 00		1.329E-10	
45	2.454E C2	1.04CE 00		1.363E-10	
46	2.510E 02	1.047E 00	1.042E-02	1.398E-10	1.4576-12
47	2.565E 02	1.054E CC		1.442E-10	
4 <u>Ŗ</u>	2.€20E 02	1.061E CC		1.482E-10	
49	2.676E C2	1.067E 00	9.144E-03	1.5156-10	1.386E-12
50	2.731E 02	1.075E CC		1.549E-10	
51	2.786E C2	1.C85E 0C		1.582E-10	
52	2.842E 02	1.095E 0C	8.135E-03	1.615E-10	1.314E-12
53	2.897E 02	1.105E CC		1.648E-10	
54	2.952E 02	1.114E 00		1.687E-10	
55	3.008E 02	1.122E 00	7.235E-03	1.724E-10	1.247E-12
56	3.063E 02	1.127E 0C		1.752E-10	
57	3.118E 02	1.132E 00		1.781E-10	
58	3.174E C2	1.135E 0C	6.216E-03	1.814E-10	1.128E-12
59	3.229E 02	1.143E CC		1.847E-10	
60	3.284E 02	1.154E 00		1.881E-10	
61	3.340E 02	1.163E 00	5.548E-03	1.918E-10	1.064E-12
62	3.395E C2	1.173E CC		1.956E-10	
63	3.450E 02	1.178E CC		1.990E-10	
64	3.506E 02	1.184E 00	4.868E-03	2.023E-10	9.85°E-13
65	3.561E C2	1.191E CC		2.057E-10	
66	3.616E 02	1.198E 0C		2.088E-10	
67	3.672E C2	1.204E OC	4.262E-03	2.116E-10	9.017E-13
68	3.727E 02	1.213E CC		2.146E-10	
69	3.782E 02	1.224E 00		2.179E-10	
70	3.838E C2	1.232E CC	3.8°4E-03	2.209E-10	8.402E-13
71	3.893E 02	1.240E 00		2.236E-10	
72	3.948E 02	1.243E 00		2.269E-10	
73	4.004E C2	1.246E 00	3.268E-03	2.302E-10	7 . 524E-13
74	4.059E C2	1.246E CC		2.341E-10	
75	4.114E C2	1.246E 00		2.377E-10	
76	4.169E 02	1.246E 00	2.728E-03	2.405E-10	6.5602-13
77	4.225E C2	1.254E CC		2.435E-10	
78	4.280E 02	1.273E CC		2.468E-10	
79	4.335E 02	1.286E 00	2.468E-03	2.4946-10	6.156E-13
80	4.391E 02	1.295E CC		2.516E-10	

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TARGET NO. 4 INCIDENT ELECTRON ENERGY 0.6 MEV

CHANNE	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
81	4.446E C2	1.301E CO		2.548E-10	
ΡŻ	4.501E 02	1.307E CC	2.125E-C3	2.5816-10	5.484E-13
63	4.557E C2	1.315E CC		2.603E-10	
84	4.612E 02	1.33CE CC		2.627E-10	
85	4.667E 02	1.336E 00	1.849E-03	2.66CE-10	4.918E-13
86	4.723E C2	1.334E CC		2.6916-10	
87	4.778E 02	1.320E 00		2.719E-10	
88	4.833E ^2	1.318E 00	1.439E-03	2.747E-10	3•952E-13
89	4.889E ^2	1.324E 00		2.774E-10	
90	4.944E 02	1.338E CC		5.802E-10	
91	4.999E 02	1.355E CC	1.231E-C3	2.83CE-10	3.484E-13
92	5.055E 02	1.366E 00		2.861E-10	
93	5.110E 02	1.376E CC		2.892E-10	
94	5.165E 02	1.38CE CC	1.007E-03	2.923E-10	2.944E-13
95	5.21E C2	1.381E CO		2.9546-10	
96	5.276E C2	1.378E CC		2.9826-10	
Ģ 7	5.331E C2	1.373E GG	7.600E-04	3.0096-10	2.287E-13
9.8	5.387E C2	1.368E 00		3.036E-10	
99	5.442E C2	1.356E CC		3.062E-10	
100	5.497E 02	1.342E CC	5.341E-04	3.089E-10	1.650E-13
101	5.553E C2	1.363E 00		3.117E-10	
102	5.6C8E C2	1.387E 00		3.1468-10	
103	5.663E 02	1.417E CC	4.114E-04	3.1756-10	1.396E-13
104	5.719E 02	1.454E 00		3.204E-10	
105	5.774E C2	1.505E CC		3.2316-10	
106	5.829E 02	1-533E CC	3.080E-C4	3.258E-10	1.003E-13
107	5.885E ^2	1.535E 00		3.2856-10	
108	5.940E C2	5.264E-01		3.311E-10	
109	5.595E ^2	7.4298-02	7.092E-06	3.338E-10	2.367E-15
110	6.051E 02	0.0		3.3686-10	

CCSE= 5.936E-13 R-SQ.CM./ELECTRON

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$\begin{array}{c} \textbf{7} \\ \textbf{7} \\ \textbf{7} \\ \textbf{7} \\ \textbf{5} \\ \textbf{7} \\ \textbf{7} \\ \textbf{5} \\ \textbf{7} \\ $	75.0 175E-03 1.023E-02
7 8-336E-03 1-537E-02 2-160E-02 2-063E-02 1-446E-02 /	.175E-03
	-023E-02
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$\frac{10}{10} = \frac{100}{1000} = \frac{100}{1000} = \frac{100}{1000} = \frac{1000}{1000} = 1$	1.1926-07
$13 1 \cdot 1432 - 12 3 \cdot 2032 - 12 4 \cdot 3012 - 12 4 \cdot 3022 - 12 2 \cdot 3012 - 12 4 \cdot 3022 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -$	1.154E=C2
10 1 + 124E - 12 2 + 172E - 12 4 + 477E - 12 - 4221E - 02 2 + 000 E - 12 - 1000 E - 1000 E - 12 - 1000 E - 10000 E - 1000 E - 1000	-C62E-C2
$\frac{1}{2} \frac{1}{2} + \frac{1}{2} \frac{1}{2} \frac{1}{2} + \frac{1}{2} \frac{1}{2} \frac{1}{2} + \frac{1}{2} \frac{1}{2$	287F-03
	-038E-03
$20 1 \cdot 20 = -12 2 \cdot 21 = -12 3 \cdot 21 = -12 3 \cdot 21 = -12 3 \cdot 21 = -12 2 \cdot 21 = -12 2$	809F-C1
2π 1. $7\pi E^{-1}$ 2. $7\pi E^{-1}$ 2. $7\pi E^{-1}$ 2. $7\pi E^{-1}$ 2. $7\pi E^{-1}$ 1. $7\pi E^{-1}$ 1. $7\pi E^{-1}$ 2. $7\pi E^{-1}$ 1. $7\pi E^{-1}$	- 890F-03
21 3.022000 1.073000 2.020700 2.207000 1.0000000 1.2000000 2.00000000000000	042E+03
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	300E-03
57 $7 \cdot 147 = -15$ $1 \cdot 204 = -12$ $1 \cdot 707 = -12$ $1 \cdot 204 = -12$ $1 \cdot 107 = -12$	- 645E+03
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	126E-03
45 5.4440E-15 7.656E-15 2.554E-12 1.6215E-12 6.457E-13 .	-648E-03
40 $4.1312-03$ $0.1022-03$ $1.1302-02$ $0.0275-03$ $5.8705-03$	2.234E-03
43 $46,930-63$ $1,400-00$ $1,000-00$ $7,700-00$ $5,000-00$	1.903E-03
72 $3.9000 = 1.5$ $0.044 = 100$ $0.0220 = 100$ $1.0140 = 100$ $3.0000 = 100$	1.604F-03
59 $3 \cdot 197 = -5$ $3 \cdot 197 = -5$ $1 \cdot 100 = -5$ $0 \cdot 177 = -53$ $3 \cdot 666 = -03$	379F-C3
$5 = 2 \cdot 7 \cdot 7 \cdot 1 = -1 = 3 = 3 \cdot 7 \cdot 3 = 3 \cdot 7 \cdot 1 = -1 = -1 = -1 = -1 = -1 = -1 = -1 $	1.161E-03
01 - 2 + 434 = -15 - 4 + 430 = -15 - 5 + 6 + 7 = -13 - 2 + 6 + 18 = -13 - 2 + 6 + 6 + 18 = -13 - 2 + 6 + 6 + 6 + 18 = -13 - 2 + 6 + 6 + 18 = -13 - 2 + 6 + 6 + 18 = -13 - 2 + 6 + 6 + 18 = -13 - 2 + 6 + 6 + 18 = -13 - 2 + 6 + 18 = -13 - 2 + 6 + 18 = -13 - 2 + 6 + 18 = -13 - 2 + 6 + 18 = -13 - 2 + 6 + 18 = -13 - 2 + 6 + 18 = -13 - 2 + 6 + 18 = -13 - 2 + -13 - 2 + -1313131313131313	1.027E-03
64 2.00 (2-0) 3.000 (3) 5.200 (3) 7.470 (2.000 (3)	- 379F-C4
57 1.5752-03 3.4252-03 3.6392-03 3.2122-03 1.6572-03	941F-04
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5.G17E-04
$7_{2} = 1 + 4 + 2 = -0 + 2 + 3 + 2 = -0 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + $	5.007E-04
76 1.2472-03 1.602-03 2.4502-03 1.9945-03 1.1695-03	4.443F-C4
9 9 9 9 9 9 9 9 1 9 9 2 1 9 2 1 9 9 2 1 9 3 1 9 7 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	381F-C4
$\frac{1}{26}$ $\frac{1}{26}$ $\frac{1}{26}$ $\frac{1}{16}$.831E-04
$a_{1} = a_{1} + a_{1} + a_{1} + a_{1} + a_{2} + a_{2$	1.927F-C4
01 5.351E-04 C.470E-04 1.227E-03 9.537E-04 4.943E-04	1.552F-C4
4 4 345-04 9.4745-04 C. 8955-04 8.3675-04 4.0395-04	1.194F-04
97 7 5000-04 6.7250-04 6.5375-04 3.2695-04	F.726F-05
$\frac{1}{2} = \frac{1}{2} = \frac{1}$	431F-05
103 1.970E-04 3.360E-04 4.406E-04 2.076E-04 1.415E-04	134E-05
$\frac{1}{10} = \frac{1}{10} + \frac{1}{10} + \frac{1}{10} = \frac{1}{10} + \frac{1}{10} $	2.006E-05
109 5.431E-05 1.410E-04 1.736E-04 9.481E-05 4.446E-05	1.272E-06

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TARGET	NO•	6	INCIDENT	ELECTRON	ENERGY	0•6	MEV

CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	2.022E 0C	¢.0		c.o	
Z	7.554E CO	0.0		0.0	
3	1.309E 01	n_0		5./415-11	
4	1.862E 01	e.r		1.603E-10	
7	2.415E 01	6°ů		1.3995-10	
с т	2.9685 01		1 1005-02	7.871t-11	7 0010 12
<i>.</i>	3.522E CI	5.634E+('L	1.1905-02		1.001E-13
н С	4. 758 01	1.0755 00		4.541E-11	
	4.028E "1	1.03CE 00	2 7225-02	3.9045-11	1 2216.12
1.4	5.101E UL	1.0005.00	3.1230-02	3.7705-11	1.2010-12
11	J. /JDE (1)	1.0155.00		3.4705-11	
12	0.2000 01	1.0176 00	4 4095-03	2.4205.11	1 5205 12
14	7 2045 01	1 0255 00	4.4905-92	2.4425-11	1.0000-12
16	7.2945 01	1.0200 00		2.52/5-11	
15	7.947C 11		6 2615-02	2.4755-11	1 4025-12
17	0.0545 01	1.0175.00	4.0010-02	3.8445-11	1.0036-12
19	9.0346 11	1.0165.00		3.040C-11 4 119E-11	
10	1 014E 02	1.0166 00	4 0285-02	4.110E-11 4.302E-11	1 7605-12
20	1 0716 02	1 0155 00		4.6745-11	1072-12
21	1 1275 02	1 0175 00		4.969E=11	
22	1 1875 02	1 020E 00	3 6325-02	5 2705-11	1.0195-12
23	1 2375 02	1.0156 00		5.60CE+11	107106-12
24	1.2935 02	1.0076 00		5.927E-11	
25	1.748E C2	1.006E CC	3.085E+02	6.248E-11	1.9275-12
26	1.403E 02	1.006E 00		6.572E=11	
27	1.459E C2	1.008E 60		6.943E-11	
28	1.514E 02	1.009E 00	2.6825-02	7.315E-11	1.9626-12
29	1.569E 02	1.01CE 00		7.691E-11	
30	1.625E C2	1.007E CC		8-067E-11	
31	1.680E 02	1.001E 00	2.277E-02	8.444E-11	1.923E-12
32	1.735E C2	1.001E 00		8.816F-11	
33	1.791E 02	1.004E 00		9.187E-11	
34	1.846E C2	1.005E 00	1.984F-02	9.548E-11	1.894F-12
35	1.501E C2	1.006E 00		9.907E-11	
36	1.957E C2	1.006E 00		1-024E-10	
37	2.112E 02	1.006E C0	1.708E-02	1.047E-10	1.789E-12
38	2.067E 02	1.009E 00		1.033E-10	
20	2.1238 02	1.013E 00		1.062E-10	
40	2.178E 12	1.020E 00	1.4998-02	1.153E-10	1.728E-12

TARGET NO. 6 INCIDENT ELECTRON ENERGY 0.6 MEV

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CHANNE	L ENERG Kev	Y	CORR.F	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
41	2.233E	02	1.025E	CC		1.213E-10	
42	2.288E	° 2	1.029E	00		1.2526-10	
43	2.344E	^ 2	1.031E	0 Q	1.296E-02	1.2916-10	1.672E-12
44	2.399E	C S	1.034E	CC		1.329E-10	
45	2.454E	0.5	1.º38E	ĊO.		1.363E-10	
46	2.510E	C 5	1.043E	00	1.131E-02	1.398E-10	1.581E-12
47	2.565E	02	1.052E	00		1.442E-10	
48	2.62CE	02	1.061E	00		1.482E-10	
49	2.676E	C 2	1.069E	00	1.006E-02	1.515E-10	1.524E-12
50	2.731E	^2	1.076E	00		1.549E-10	
51	2.786E	02	1.082E	00		1.582E-10	
52	2•842E	c S	1.091E	ng –	8.846E-03	1.615E-10	1.429E-12
53	2.897E	02	1.100E	00		1.648E-10	
54	2.952E	r 2	1.1C9E	00		1.687E-10	
55	3.008E	02	1.118E	00	7.929E-C3	1.724E-10	1.367E-12
56	3.063E	02	1.126E	01		1.752E-10	
57	3.1186	C 2	1.134E	CC		1.781E-10	
58	3.174E	02	1.140E	00	6.985E-03	1.814E-10	1.268E-12
59	3.229E	U S	1.149E	00		1.847E-10	
60	3.284E	C 2	1.16CE	0C		1.881E-10	
61	3.340E	٩Š	1.169E	00	6.280E-03	1.918E-10	1.204E-12
62	3.395E	<u>^2</u>	1.178E	0 C		1.956E-10	
63	3.45°E	02	1.184E	0.0		1.990E-10	
64	3.506E	ΟŠ	1.189E	0.0	5.511E-03	2.0236-10	1.115E-12
65	3.5618	<u>^2</u>	1.194E	00		2.057E-10	
66	3.616E	02	1.198E	0.0		2.088E-10	
67	3.672E	C 5	1.200E	0.0	4.736E-03	2.116E-10	1.002E-12
68	3.727E	n 2	1.205E	0.0		2.146E-10	
69	3.782E	C 2	1.212E	0.0		2.1798-10	
70	3.838E	C S	1.22CE	0.0	4.156E-C3	2.209E-10	9.179E-13
71	3.893E	Ċ2	1.228E	00		2.236E-10	
72	3.548E	0.5	1.235E	CC		2.2698-10	
7 <u>7</u>	4.0C4E	° 2	1.243E	00	3.652E-03	2.302E-10	8.408E-13
74	4. °59E	C 2	1.256E	r r		2.341E-10	
75	4.114E	۰S	1.268E	° °		2.3776-10	
76	4.169E	٢Z	1.274E	0.0	3.265E-03	2.405E-10	7.852E-13
77	4.225E	02	1.277E	00		2.435E-10	
78	4.28CE	02	1.276E	C O		2.468E-10	
79	4.335E	02	1.278E	00	2.736E-03	2.494E-10	6.825E-13
9.0	4.391E	02	1.281E	ĊĊ		2.516E-10	

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TARGET	NU.	6	INCIDENT	ELECTRON	LNERGY	0•6	MEV

CHANNEL	L ENERGY REV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
P 1	4.446E C2	1.288E CC		2.548E-10	
8 Z	4.501E C2	1.296E CC	2.358E-03	2.581E-10	6.085E-13
83	4.557E C2	1.307E CC		2.603E-10	
P 4	4.612E C2	1.318E nr		2.627E-10	
85	4.667E C2	1.326E 00	2.0458-03	5.66LE-10	5.44°E-13
86	4.723E C2	1.331E CC		2.691E-10	
87	4.778E C2	1.332E 00		2.719E-10	
ē b	4.833E C2	1.333E 00	1.690E-03	2.747E-10	4.642E-13
85	4.889E C2	1.334E CC		2.774E-10	
90	4.544E C2	1.3318 00		2.802E-10	
91	4.999E 02	1.328E 00	1.358E-03	2.830E-10	2.843E-13
92	5.055E C2	1.350E 00		2.861E-10	
а <u>3</u>	5.110E C2	1.372E CC		2.892E-10	
94	5.165E 02	1.39CE 00	1.191E-03	2.923E-10	3.481E-13
~5	5.221E C2	1.406E CO		2.954E-10	
96	5.276E C2	1.42CE 00		2.982E-10	
7 P	5.331E ^2	1.422E 00	9.7C3E-C4	3.009E-10	2.920E-13
98	5.387E 02	1.416E CO		3.036E-10	
G G	5.442E 02	1.395E CC		3.062E-10	
100	5.497E C2	1.370E 00	6.5856-04	3.089E-10	2.034E-13
101	5.553E 02	1.381E 00		3.117E-10	
102	5.608E 02	1.394E CC		3.146E-10	
103	5.663E M2	1.400E 00	4.735-04	3.175E-10	1.503E-13
104	5.719E 02	1.398E 00		3.204E-10	
105	5.774E C2	1.383E CC		3.231E-10	
106	5.829E 02	1.397E 00	?.777E-04	3.258E-10	9.046E-14
107	5.885E C2	1.437E CC		3.285E-10	
9 ^ 1	5.940E 02	8.7116-01		3.311E-10	
109	5.995E 02	6.985E-02	8.4C5E-06	3.338E-10	2.805E-15
110	6.0518.02	n.n		3.368E-10	
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CCSE= 6.385E-13 R+SQ.CM./ELECTRON

TAR	GET NC. 7 INC	IDENT ELECTRCI	N ENERGY C.6	⇒ MEV		
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI	[].
	7.5	15.0	30.0	45.0	60.0	75.0
7	1.8376-02	3.2856-02	4.281E-02	4.109E-02	2.849E-02	1.1376-02
10	1.970E-02	3.463E-02	4.7216-02	4.307E-02	2.917E-02	1.143E-02
13	1.758E-02	3+0866-02	4.161E-02	3.812E-02	2.5286-02	5.992E-13
16	1.5056-02	2.586E-C2	3.528E-02	3.1756-02	2.0796-02	8.2376-03
19	1.2556-02	2.201F-02	2.521E-02	2.655E-02	1.764E-02	6.812E-03
22	1.0695-02	1.8706-02	2.478E-02	2.247E-02	1.44?E-02	5.672E-03
25	9.062E-03	1.597E-C2	2.102E-02	1.871E-02	1.202E-02	4.683E-C?
28	7.6836-03	1.33CE-02	1.776E-02	1.5768-02	1.010E-05	3.902E-03
31	6.566E-03	1.16CE-02	1.5186-02	1.342E-02	8.431E-03	3.233E-03
34	5.847E-03	9,766E-03	1.294E-02	1.1256-02	7.010E-03	2.670E-03
37	4.803E-03	E.696E-03	1.0926-02	9.408E-03	5.961E-03	2.248E-C3
40	4.189E-03	7.3306-03	9.388E-03	8.205E-03	5.0356-03	1.901E-03
4 ?	3.700E-03	6.288E-03	8.0756-03	6.905E-03	4.3026-03	1.584E-03
46	3.163E-C3	5.593E-03	7.1166-03	5.882E-03	3.619E-03	1.316E-^3
4 Ģ	2.765E-C3	4.738E-03	6.091E-03	5.110E-03	3.101E-03	1.140E-03
52	2.400E-03	4.262E-03	5.289E-03	4.2826-03	2.539E-03	9.545E-04
55	2.005E-03	3.5516-03	4.5466-03	3.614E-03	2.251E-^3	E.041E-04
5 8	1.762E-03	3.14PE-03	3.869E-03	3.1968-03	1.809E-03	6.710E-04
61	1.528E-03	2.754E-C3	3.418E-03	2.7148-03	1.569E-03	5.497E-04
64	1.361E-03	2.3555-03	2.9516-03	2.329E-03	1.3 <u>80</u> E-03	4.536E-04
67	1.1596-03	2.0426-03	2.541E-03	1.971E-03	1.0936-03	3.7236-04
70	1.005E-03	1.792 <u>E-</u> 03	?•142E-03	1.658E-03	8.641E-04	2.086E-04
73	8.666E-P4	1.526E-03	1.859E-03	1.38°E-03	7.310E-04	2.621E-04
76	7.2236-04	1.359E-03	1.582E-03	1.149E-03	6.425E-04	2.118E-C4
79	6.347E-04	1.159E-C3	1.390E-03	9.813E-04	5.243E-04	1.660E-04
82	5.3226-04	5.856E-C4	1.1575-03	8.03CE-04	4.051E-04	1.370E-04
٩ŗ	4.407E-04	7.7658-04	5.400E-04	6.561E-04	3.333E-04	1.029E-04
88	3.299E-04	7.C49E-C4	7.0976-04	5.31CE-04	2.472E-04	7.6788-05
91	3.0056-04	5.318E-04	6.476E-04	3.044E-04	1.783E-04	5.185E-05
94	2.1228-04	4.503E-04	4.9205-04	3.077E-04	1.324E-^4	3.936E-05
70	1.679E-04	3.359E-C4	3.819E-C4	2.804E-04	9.509E-05	2.5998-05
100	1.298E-C4	2.628F-04	2.748E-04	1.872E-04	6.102E-05	1.979E-05
103	8.331E-05	1.546E-04	2.023E-04	1.102E-04	3.929E-05	1.158E-05
106	4.102E-05	1.009E-04	1.180E-04	6.992E-05	1.569E-05	4.256E-06
109	2.666E-05	5.8698-05	7.535E-05	4.140E-05	1.031E-05	3.373E-Cé

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
1	2.022E 00	r.r		0.0	
2	7.554E CC	r.r		r.r	
ŗ	1.309E 11	0.0		5.741E-11	
4	1.862E C1	r.r		1.603E-10	
5	2.415E C1	•• 0		1.399E-10	
6	2.968E 1	0.0		7.851E-11	
7	3.522E C1	6.458E-01	2.7346-02	5.883E-11	1.609E-12
e	4.C75E C1	1.224E CC		4.341E-11	
ç	4.628E C1	1.117E 00		3.904E-11	
10	5.181E C1	1.043E CC	4.6716-02	3.576E-11	1.6706-12
11	5.735E 01	1.035E 0C		3.4706-11	
12	4.288E C1	1.030E 00		3.42°E-11	
13	ć.841E 01	1.C28E CC	4.0568-02	3.42°E-11	1.387E-12
14	7.394E C1	1.024E 00		3.463E-11	
15	7.947E 01	1.015E 00		3.524E-11	
16	8.501E 01	1.017E 00	3.357E-02	3.675E-11	1.234E-12
17	5.054E 01	1.015E 00		3.8468-11	
18	5.607E 01	1.012E 00		4.118E-11	
14	1.016E 02	1.01CE CC	2.7946-02	4.392E-11	1.227E-12
20	1.0718 02	1.012E ng		4.674E-11	
21	1.127E 02	1.012E CO		4.969E-11	
22	1.182E CZ	1.012E nr	2.3576-02	5.279E-11	1.2446-12
2.9	1.2376 02	1.01/16 00		5.60CE-11	
94	1.2936 72	1.0045 00		5.927E-11	
25	1.1488 72	1.00KE 00	1.9696-02	6.748E-11	1.230E-12
25	1.4036 02	1.0065 00		6.572E-11	
20	1.4598 72	1.0055 00		6.94×E-11	
26	1.5146 72	L.COSE 00	1.6226-02	7.315E-11	1.211E-12
29	1. 1095 02			1.6916-11	
21		1.0055 00	1 (005 00	8.08/2-11	
22	1.7755 02		1.4186-12	8.4446-11	1.1895-12
33	1 7015 01	1.0045.00		8.8165-11	
2.2	1.0445.00	1.0046 00	1 1075 02	9.18/2-11	
26			1.18/E-02	9.5485-11	1.14E-12
34		1.0035 00		9.9078-11	
7	1.5578 12		1 0075 00		
20	2		recoverns	1 0225 10	L+055E-12
70	2 102	1.0115.00		1.0005.10	
40	2.1705 02	1 010E 0C	9 7445 07	1.0628-10	
4	4.178E UZ	I.CLAF CU	8.1046-03	1.1576-10	1.011E-12

TARGET NO. 7 INCIDENT ELECTRON ENERGY 0.6 MEV

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TARGET NO. 7 INCIDENT ELECTRON ENERGY 0.6 MEV

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CHANNE	L ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	2.233E 02	1.023E 00		1.2136-10	
42	5.588E C5	1.CSBE 00		1.2526-10	
43	2.344E C2	1.C32E 00	7.586E-03	1.2916-10	9 . 791E-13
44	2.399E 02	1.035E 00		1.329E-10	
45	2.454E C2	1.040E 00		1.3636-10	
46	2.510E 02	1.047E 00	6.646E-03	1.398E-10	9.29^E-13
47	2.5658 02	1.056E CC		1.442E-10	
4 <u>e</u>	5.650E 05	1.064E 00		1.482E-10	
49	2.676E C2	1.071E 00	5.847E-03	1.5156-10	8.861E-13
50	2.731E C2	1.078E CC		1.5496-10	
51	2.786E C2	1.086E 00		1.5826-10	
52	2.842E C2	1.094E 00	5.109E-03	1.615E-10	8.2516-13
53	2.897 5 °2	1.102E 00		1.648E-10	
54	2.952E C2	1.1^6E 90		1.687E-10	
55	3.C08E C2	1.111E CO	4.4258-03	1.724E-10	7.628E-13
56	3.063E 02	1.121E 00		1.752E-10	
57	3.118E 02	1.131E 00		1.781E-10	
58	3.174E 02	1.138E 00	3.894E-03	1.814E-10	7.065E-13
59	3.229E 02	1.147E CC		1.847E-10	
60	3.284E ^2	1.156E CO		1.881E+10	
61	3.740E 02	1.164E 00	3.457E-03	1.918E-10	6.629E-13
62	3.2956 02	1.176E CC		1.956E-10	
63	3.450E C2	1.185E 00		1.990E-10	
64	3.506E C2	1.193E CC	3.053E-03	2.023E-10	6.177E-13
65	3.561E C2	1.199E CC		2.057E-10	
66	3.616E 02	1.204E CO		2.088E-10	
67	3.6728 02	1.206E 00	2.607E-03	2.116E-10	5.516E-13
6 <u>8</u>	3.727E 02	1.208E CC		2.146E-10	
69	3.782E C2	1.211E CC		2.179E-10	
70	3.838E 02	1.216E 00	2.214E-03	2.209E-10	4.891E-13
71	3.893E C2	1.223E 00		2.236E-10	
72	3.948E 02	1.225E 00		2.2695-10	
77	4. MAE M2	1.236E 00	1.916E-03	2.3028-10	4.412E-13
74	4.°59E °2	1.247E CC		2.341E-10	
75	4.114E ^2	1.257E CC		2.377E-10	
7 E	4.169E 02	1.263E 00	1.672E-03	2.405E-10	4.022E-13
77	4.225E 02	1.273E CC		2.4356-10	
78	4.280E 02	1.286E CO		2.468E-10	
79	4.735E 12	1.295E 00	1.466E-03	2.494E-10	3.656E-13
80	4.391E 02	1.300E 00		2.516E-10	

TARGET	NO.	7	INCIDENT	ELECTRON	ENERGY	0.6	MEV

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CHANNEL	ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
81	4.446E C2	1.303E CC		2.548E-10	
92	4.501E C2	1.305E 00	1.219E-03	2.581E-10	3.145E-13
83	4.557E C2	1.308E CC		2.603E-10	
P 4	4.612E 02	1.31CE CC		2.6278-10	
85	4.667E 02	1.310E 0C	9.900E-04	2.66CE-10	2.634E-13
86	4.723E C2	1.31CE 00		2.691E-10	
P7	4.778E 02	1.31CE CC		2.7196-10	
88	4.833E 02	1.314E CC	7.8965-04	2.747E-10	2.169E-13
8 9	4.889E ^2	1.321E 00		2.774E-10	
сÛ	4.944E C2	1.329E CC		2.802E-10	
91	4.999E 02	1.3378 00	6.467E-04	2.830E-10	1.83°E-13
92	5. 755E C2	1.341E CC		2.861E-10	
93	5.11CE 02	1.345E CC		2.892E-10	
94	5.165E 02	1.349E 00	5.064E-04	2.923E-10	1.48°E-13
95	5.221E ^2	1.360E 00		2.954E-10	
96	5.276E 02	1.382E 0C		2.982E-10	
97	5.331E °2	1.397E CC	4.166E-04	3.009E-10	1.254E-13
98	5.387E C2	1.404E CC		3.036E-10	
٩Ģ	5.442E C2	1.355E CC		3.062E-10	
100	5.497E 02	1.390E 00	2.967E-04	3.0896-10	9.165E-14
1 ~ 1	5.553E C2	1.379E CC		3.117E-10	
102	5.4C8E 02	1.367E CC		3.1468-10	
103	5.663E 02	1.350E 00	1.863E-04	3.1756-10	5.916E-14
104	5.719E C2	1.335E CC		3.204E-10	
105	5.774E C2	1.325E 00		3.231E-10	
106	5.8296 02	1.346E 00	1.0856-04	3.258E-10	3.534E-14
107	5.885E C2	1.396E 00		3.285E-10	
108	5.94CE 02	8.476E-C1		3.311E-10	
109	5.995E 12	6.797E-02	3.38CE-06	3.338E-10	1.12PE-15
110	6.051E 02	C.O		3.368E-10	

COSE= 4.193E-13 R-SQ.CM./ELECTRON

TAR	GET NC. 8 INC:	IDENT ELECTRC	N ENERGY D.6	5 MEV	
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI),
	7.5	15.0	30.0	45.0	60+0
7	1.8666-02	3.386E-C2	4.483E-02	4.159E-02	2.8726-02
10	1.988E-02	3.566E-02	4.8056-02	4.423E-02	5.906E-05
13	1.781E-^2	3.168E-02	4.2576-02	3.898E-02	2.520E-02
16	1.504E-02	2.701E-02	3.5916-02	3.210E-02	2.077E-02
19	1.275E-02	2.254E-02	2.990E-02	2.6978-02	1.7468-02
22	1.087E-02	1.9216-02	2.524E-02	2.2536-02	1.4526-02
25	5.C26E-03	1.616E-C2	2.143E-02	3.900E-05	1.189E-02
28	7.733E-03	1.384E-02	1.8095-02	1.579E-02	9.913E-03
31	6.743E-03	1.175E-02	1.550E-02	1.353E-02	8.2896-03
34	5.699E-03	1.020E-02	1.33?E-02	1.136E-02	7.163E-03
37	5.006E-03	8.685E-C3	1.109E-02	9.595E-03	5.866E-03
40	4.291E-03	7.433E-03	9.7146-03	8.181E-03	5.044E-03
43	3.618E-03	6.467E-03	8.273E-03	6.905E-03	4.2568-03
46	3.158E-03	5.781E-03	7.215E-03	5.954E-03	3.585E~03
49	2.774E-03	4.8926-03	6.295E-03	5.195E-03	3.0385-03
52	2.405E-03	4.3446-03	5.3026-03	4.333E-03	2.5655-03
55	2.C78E-03	3.729E-03	4.579E-03	3.736E-03	2.114E-03
58	1.750E-03	3.1396-03	3.974E-03	3.136E-03	1.862E-03
61	1.56CE-03	2.702E-03	3.4465-03	2.6935-03	1.547E-03
64	1.496E-03	2.407E-03	2.935E-03	2.374E-03	1.3256-03
67	1.146E-03	2.104E-03	2.480E-03	1.961E-03	1.0996-03
70	1.053E-03	1.7776-03	2.222E-03	1.713E-03	9.168E-04
73	8.719E-04	1.589E-03	1.9498-03	1.387E-03	7.7148-04
76	7.181E-C4	1.3076-03	1.63CE-03	1.2218-03	6.093E-04
79	6.121E-04	1.1658-03	1.384E-03	1.0146-03	5.054E-04
82	5.249E-04	9.504E-04	1.110E-03	8.3235-04	3.755E-04
85	4.448E-04	8.013E-04	9.837E-04	6.906E-04	3.091E-04
88	3.716E-04	6.743E-04	7.385E-C4	5.353E-04	2.493E-04
91	2.9526-04	5.510E-04	6.231E-04	4.1796-04	1.9266-04
94	2.243E-04	4.236E-C4	4.903E-04	3.250E-04	1.2796-04
97	1.699E-04	3.3996-04	3.6386-04	2.4045.006	9-9956-05
100	1.242E-C4	2.516E-C4	2.868E-04	1.500E-04	6.167E-05
1^3	8.942E-05	1.732E-04	1.952E-04	1.1136-04	4.077E-05
116	4.300E-05	9.978E-05	1.2305-04	5.873E-05	2.116E-05
109	2.310E-05	5.4428-05	7.190E-C5	2.978E-05	2.200E-06

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CHANNEL	- ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	2.022E 0C	c.0		0.0	
2	7.554E CO	n , n		0.0	
3	1.209F 01	0 •0		5.741E-11	
4	1.862E C1	r.n		1.603E-10	
5	2.415E 01	0.0		1.399E-10	
6	2.968E C1	C+C		7.8516-11	1 72/5-12
7	3.522E C1	6.464E-C1	2.948E-02	5-8835-11	1./040-12
Ŕ	4.075E 01	1.225E CC		4.34!E-11	
q	4.628E C1	1.118E CC		3.0046-11	1 7015-12
10	5.181E ^1	1.043E 00	5.008E-02	3.5/05-11	1. (416-12
11	5.735E C1	1.035E CC		3.4705-11	
12	6.288E 01	1.030E CC	(2515-02	2 4205-11	1-488E-12
13	6.841E 01	1.028E 00	4.5516-02	3.4636-11	
14	7.394E 1	1.024E 00		3.524E-11	
15	7.947E 01	1.0165.00	3.590F-02	3.675E-11	1.319E-12
16	8.501E C1		303906-02	3.846E-11	
17	5.054E PI			4.118E-11	
18	5.607E 01	1 0135 00	2.9905-02	4.392E-11	1.313E-12
19	1 0715 02	1.012E 00	200000	4.674E-11	
21	1 1275 02	1.012E CC		4.969E-11	
21	1,1825 02	1.012E 00	2.517E-02	5.279E-11	1.329E-12
22	1.2375 02	1.01CE 00		5.60CE-11	
22	1.293E 02	1.006E 00		5.927E-11	
25	1.348E C2	1.006E 90	2.098E-02	6.?48E-11	1.311E-12
26	1.403E 02	1.006E 00		6.5728-11	
27	1.459E C2	1.004E 00		6.943E-11	
28	1.514E C2	1.004E 00	1.760E-02	7.315E-11	1.288E-12
29	1.569E "2	1.007E 00		7.6916-11	
30	1.625E 02	1.007E CC		8.067E-11	
31	1.680E 02	1.003E 00	1.4996-02	8.444E-11	1.200E-12
32	1.735E 02	1.004E CC		8.8166-11	
33	1.791E 02	1.007E 00		9.18/6-11	1 1205-12
74	1.846E C2	1.007E 00	1.2876-02	9.5485-11	1.2205-12
25	1.901E C2	1.007E CC		9.9076-11	
36	1.957E C2	1.003E 00	1 0725-02	1 0475-10	1.123E-12
37	2.012E 02	I . uciE uc	1.0728-02	1.0336-10	101276-16
36	2.067E 02	1.005E 00		1.0625-10	
25	2.1235 02	1.010E 00	0.3005-03	1.157F-10	1.084E-12
40	Z.178E "?	1.CINE HC	3037763	X BICCUL AN	

TARGET NO. 8 INCIDENT ELECTRON ENERGY 0.6 MEV

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TARGET NO. 8 INCIDENT ELECTRON ENERGY 0.6 MEV

CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	2.233E C2	1.024E 00		1.213E-10	
42	2.288E C2	1.027E 0C		1.2255-10	
47	2.344E C2	1.030E 00	8.0856-03	1.2916-10	1.043E-12
44	2.399E 02	1.033E CC		1.3298-10	
45	2.4548 02	1.04CE 00		1.363E-10	
46	2.510E 02	1.047E 00	7.121E-03	1.3985-10	9.955E-13
47	2.565E 02	1.057E 00		1.442E-10	
48	5.650E US	1.066E 00		1.482E-10	
49	2.676E C2	1.074E OC	6.312E-03	1.515E-10	9.566E-13
50	2.731E C2	1.08CE 00		1.549E-10	
51	2.786E C2	1.086E 00		1.582E-10	
52	2.842E C2	1.093E 00	5.4496-03	1.615E-10	8.801E-13
53	2.697E 02	1.10CE 00		1.648E-10	
54	2.952E C2	1.106E 00		1.687E-10	
55	3.008E 02	1.113E 00	4.748E-03	1.724E-10	8.184E-13
56	3.0635 02	1.123E 00		1.752E-10	
57	3.118E C2	1.132E CC		1.781E-10	
58	3.174E C2	1.138E 00	4.155E-C3	1.814E-10	7.538E-13
59	3+552E U5	1.145E CO		1.847E-10	
60	3.284E C2	1.152E 0C		1.881E-10	
61	3.34CE 02	1.161E 00	3.6406-03	1.9185-10	0.981E-13
62	3.395E 02	1.172E CC		1.956E-10	
63	3.450E C2	1.183E CC		1.9901-10	(E00E-12
64	3.506E 02	1.194E CC	3.257E+03	2.0235-10	0.2906-12
65	3.561E 02	1.195E CC		2.0076-10	
66	3.616E C2	1.197E ac		5-0005-10	E 0045-12
67	3.672E C2	1.198E 00	2.1446-03	2.1445-10	2.0000-13
68	3.727E 02	1.205E CC		2.1405-10	
69	3.782E C2	1.218E CC	2 4525-02	2.1795-10	5.4105-13
70	3.838E C2	1.2295 00	2+4330-03	2.2245-10	5.4196-15
71	3.893E C2	1.2395 00		2.2500-10	
72	3.5485 (2	1 2615 00	2 1245-02	2.3025-10	4.896F-13
74	4.0040 02	1 2545 00	201205-03	2.341E-10	4.000-10
74	4.11/6 03	1 2605 00		2-3776-10	
75	4+114C 12	1.2625 00	1.7975-03	2.4055-10	4.321E-13
77	4 J 10 7 C 12	1.26CE 00	201912-03	2.435F-10	
70	4 + 2 4 7 E 92	1.2825 00		2-468E-10	
70	201'E 1'2	1.2875 00	1.554E-03	2.494F-10	3.876E-13
00	A 2016 02	1.2876 00	100041-000	2.516E-10	
- C (

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81 4.446E 02 1.28CE CC 2.548E-10 82 4.501E 02 1.273E 00 1.237E-03 2.581E-10 3.1 83 4.557E 02 1.254E 00 2.603E-10 3.1 84 4.612E 02 1.314E 00 2.627E-10 85 4.667E 02 1.327E 00 1.098E-03 2.660E-10 2.9 86 4.723E 02 1.332E 00 2.691E-10 2.19E-10	SE SPEC 50 CM./ /=ELEC.
P2 4,501E 02 1.273E 00 1.237E-03 2.581E-10 3.1 P3 4.557E 02 1.294E 00 2.603E-10 3.1 P4 4.612E 02 1.314E 00 2.627E-10 P5 4.667E 02 1.327E 00 1.098E-03 2.660E-10 2.5 P6 4.723E 02 1.332E 00 2.691E-10 2.6 2.6 P6 4.778E 02 1.325E 00 2.718E-10 2.6	
P3 4.557E C2 1.294E C 2.603E-10 P4 4.612E C2 1.314E CO 2.627E-10 P5 4.667E C2 1.327E CO 1.098E-03 2.660E-10 2.6 P6 4.723E C2 1.332E CO 2.691E-10 2.6 P7 4.778E C2 1.325E CO 2.691E-10	92E-13
84 4.612E 02 1.314E 00 2.627E-10 85 4.667E 02 1.327E 00 1.098E-03 2.660E-10 2.9 86 4.723E 02 1.332E 00 2.691E-10 2.9 87 4.778E 02 1.325E 00 2.719E-10	
P5 4.667E 02 1.327E 00 1.098E-03 2.660E-10 2.6 R6 4.723E 02 1.332E 00 2.691E-10 2.6 87 4.778E 02 1.325E 00 2.718E-10	
P6 4.723E C2 1.332E CC 2.691E-10 87 4.778E 02 1.325E 00 2.718E-10	20E-13
87 4-778F 02 1-325F 00 2 7195-10	
P8 4.833E 02 1.325E 00 8.623E-04 2.747E-10 2.3	168E-13
89 4.889E 02 1.331E 00 2.774E-10	
90 4.544F C2 1.34CE CC 2.8C2E-10	
91 4.999E 02 1.351E 00 7.104E-04 2.830E-10 2.0	108-13
92 5.055E 02 1.352E CC 2.861E-10	
93 5.110E 02 1.352E 00 2.892E-10	
94 5.165E 02 1.349E 00 5.412E-04 2.923E-10 1.5	82E-13
95 5.221E 02 1.350E 00 2.954E-10	
96 5.276E 02 1.357E CC 2.982E-10	
97 5.331E 02 1.362E 00 4.145E-04 3.009E-10 1.2	47E-13
98 5.387E 02 1.364E 00 3.036E-10	
95 5.442E 02 1.358E CC 3.062E-10	
100 5.497E 02 1.349E 00 2.916E-04 3.089E-10 9.0	07E-14
101 5.553E 02 1.366E 00 3.117E-10	
102 5.608E 02 1.384E CC 3.146E-10	
103 5.663E 02 1.391E 00 2.098E-04 3.175E-10 6.6	60E-14
104 5.719E 02 1.388E 00 3.204E-10	
105 5.774E C2 1.366E CC 3.231E-10	
106 5.829E 02 1.357E 00 1.170E-04 3.258E-10 3.8	13E-14
107 5.885E C2 1.359E CC 3.285E-10	
108 5.540E 02 8.175E-01 3.311E-10	
109 5.995E 02 6.559E-02 2.906E-06 3.338E-10 9.6	99E-16
110 6.051E 02 0.0 3.368E-10	

TARGET NO. 8 INCIDENT ELECTRON ENERGY 0.6 MEV

CCSE= 4.477E-13 R-SQ.CM./ELECTRON

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TAR	GET NC. 9 INC	IDENT FLECTRO	IN ENERGY O.	6 MEV		
CH.	NET PULSE HEI	IGHT SPECTRUM	MULTIPLIED	BV 2 PT STN	(DHI) COS(DH	Π.
	7.5	15.0	30.0	45.0	60-0	75.0
7	1.355E-02	2.443E-02	3.355E-C2	3.247E-02	2.3416-02	5-421F-03
10	1.847E-02	3.329E-02	4.678F-02	4.421E-02	3-066E-02	1.230F-02
13	1.891E-C2	3.390E-02	4.779F-02	4.507E-02	3.085E-02	1.234F-02
16	1.722E-02	3.068E-02	4.333F-02	4.049E-02	2.746F-02	1.097F-02
19	1.5306-02	2.730E-02	3.816E-02	3.577E-02	2.392F-02	5.593F-03
22	1.3396-02	2.381E-02	3.2728-02	3.071E-02	2.0695-02	8-126E-03
25	1.1436-02	2.036E-02	2.843E-02	2.606E-02	1.731E-02	6.873E-03
28	9.826E-03	1.788E-02	2.403E-02	2.234E-02	1.477F-02	5.678E-03
31	8.4136-03	1.516E-02	2.021E-02	1.889E-02	1.248E-02	4.8916-03
34	7.304E-03	1.297E-02	1.8156-02	1.618E-02	1.065E-02	4-1635-03
37	6.238E-03	1.1328-02	1.526E-02	1.381E-02	9.119E-03	3.515E-03
40	5.460E-03	9.742E-03	1.315E-02	1.176E-02	7.688F-03	2.970E-03
43	4.828E-03	8.495E-03	1.150E-C2	1.024E-02	6.630E-03	2.512E-03
46	4.230E-03	7.307E-03	9.687E-03	8.750E-03	5.646E-03	2.170F-03
49	3.654E-03	6.412E-03	8.6735-03	7.594E-03	4.784E-03	1.798E-03
52	3.18CE-03	5.4916-03	7.556E-03	6.405E-03	4.001E-03	1.519E-03
55	2.763F-03	4.827E-03	6.374E-03	5.515E-03	3.465E-03	1.317E-03
58	2.402E-C3	4.2835-03	5.762E-03	4.895E-03	2.998E-03	1.103E-03
61	2.042E-03	3.661E-03	4.930E-03	4.046E-03	2.4996-03	9.733E-04
64	1.839E-03	3.311E-03	4.1336-03	3.634E-03	2.100E-03	E.031E-04
67	1.581E-C3	2.820E-03	3.686E-C3	2.9336-03	1.7698-03	6.579E-04
70	1.3926-03	2.470E-C3	3.073E-03	2.598E-03	1.550E-03	5.288E-04
73	1.235E-03	2.1356-03	2.7098-03	2.14 CE-03	1.325E-03	4.605E-04
76.	1.022E-03	1.7876-03	2.486E-03	1.918E-03	1.108E-03	3.944E-04
79	8.9936-04	1.5336-03	2.0846-03	1.560E-03	9.604E-04	?.162E-04
82	7.4528-04	1.365E-03	1.7376-03	1.323E-03	7.4078-04	2.5978-04
85	6.333E-04	1.200E-03	1.486E-03	1.120E-03	5.945E-04	2.142E-04
68	5.2746-04	9.929E-04	1.2046-03	1.000E-03	4.717E-04	1.651E-04
9]	4.47CE-C4	7.831E-04	5.806E-04	7.126E-04	3.825E-04	1.117E-04
94	3.70CE-04	6.511E-04	7.902E-04	6.163E-04	2.893E-04	8.00CE-05
97	2.972E-04	4.8C7E-04	6.395E-04	4.582E-04	1.987E-04	6.142E-05
100	2.109E-C4	4.2716-04	4.626E-04	2.884E-04	1.455E-04	3.915E-05
1^3	1.511E-04	2.947E-04	3.541E-04	2.217E-04	7.234E-05	2.243E-05
106	9.154E-05	2.031E-04	2.4256-04	1.222E-04	5.397E-05	1.447E-05
109	4.4398-05	1.CC7E-C4	1.177E-04	4.702E-05	2.471E-05	6.028E-06

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CHANNEL	ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	2.022E 00	C.C		°.'	
2	7.554E CC	0.0		C.O	
2	1.309E 01	r. n		5.741E-11	
4	1.862F 11	c		1.603E-10	
5	2.415E 1	0.0		1.399E-10	
6	2.968E 01	r.n		7.851E-11	
7	3.522E 01	6.064E-01	2.0226-02	5.883E-11	1.189E-12
8	4.075E CL	1.153E 00		4.341E-11	
9	4.628E 01	1.083E CC		3.904E-11	
10	5.181E ^1	1.033E 00	4.671E-02	3.576E-11	1.670E-12
11	5.735E 01	1.026E 0C		3.47CE-11	
12	6.288F 01	1.025E 00		3.420E-11	
13	6.841E 01	1.031E 00	4.738E-02	3.420E-11	1.62°E-12
14	7.394E ^1	1.026E 00		3.463E-11	
15	7.947E C1	1.018E CC		3.524E-11	
1.6	8.501E 01	1.017E 00	4.207E-02	3.675E-11	1.546E-12
17	9.054E 01	1.016E 00		3.846E-11	
18	9.607E 01	1.015E 00		4.118E-11	
19	1.016E 02	1.015E CC	3.698E-^2	4.397E-11	1.674E-12
20	1.071F 02	1.014E 00		4.674E-11	
21	1.127E C2	1.014E 00		4.969E-11	
27	1.182E C2	1.014E 00	3.184E-02	5.279E-11	1.681E-12
23	1.237E 02	1.011E 00		5.60CE-11	
24	1.293E 02	1.006E C0		5.927E-11	
2.5	1.348E 02	1.Ch6E 00	2.695E-02	6.24PE-11	1.684E-12
26	1.403F C2	1.007E 00		6.5728-11	
27	1.459E C2	1.008E CO		6.9436-11	
28	1.514E 02	1.009E 00	2.3C8E-02	7.315E-11	1.689E-12
29	1.5698 02	1.005E 00		7.691E-11	
30	1.625E 02	1.CO5E OC		8.067E-11	
31	1.680E 02	9.982E-01	1.93?E-0?	8.444E-11	1.631E-12
32	1.735E C2	9.992E-01		8.816E-11	
2 3	1.791E C2	1.005E CC		9.187E-11	
34	1.846E 02	1.007E 00	1.6916-02	9.5485-11	1.615E-12
35	1.901E 02	1.008E 00		9.907E-11	
36	1.9578 02	1.007E 00		1.0246-10	
37	2.012E 02	1.006E CO	1.4496-02	1.0476-10	1.508E-12
38	2. r67E r2	1.007E 00		1,033E-10	
2 Q	2.123E C2	1.009E 00		1.062E-10	
40	2.178F 02	1.014E 00	1.2426-0?	1.1536-10	1.432E-12

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TARGET NO. 9 INCIDENT ELECTRON ENERGY 0.6 MEV

CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	2.233E 02	1.022E 00		1.213E-10	
42	2.288E C2	1.032E 00		1.252E-10	
47	2.344E C2	1.036E 00	1.104E-02	1.2916-10	1.424E-12
44	2.3998 02	1.039E 00		1.329E-10	
45	2.4546 02	1.039E 00		1.363E-10	
46	2.51CE 02	1.C41E CC	9.463E-03	1.398E-10	1.323E-12
47	2.565E 02	1.052E 00	•	1.442E-10	
4 8	2.620E 02	1.063E 00		1.4826-10	
49	2.676E C2	1.072E 00	8.486E-03	1.515E-10	1.286E-12
50	2.731F ^2	1.079E CC		1.549E-10	
51	2.786E C2	1.084E 00		1.582E-10	
52	2.842E 02	1.091E CO	7.370E-03	1.615E-10	1.190E-12
53	2.897E 02	1.097E 00		1.648E-10	
54	2.952E C2	1.102E OC		1.687E-10	
55	3.008E 05	1.108E 00	6.442E-03	1.724E-10	1.111E-12
56	3.063E 05	1.125E 10		1.7526-10	
57	3.116E C2	1.147E 00		1.781E-10	
БŔ	3.174F C2	1.152E 00	5.9276-03	1.814E-10	1.075E-12
59	3.229E C2	1.158E CC		1.847E-10	
60	3.284E C2	1.157E CC		1.881E-10	
61	3.340E 02	1.161E 00	5.0456-03	1.918E-10	9.674E-13
62	3.395E CZ	1.168E 0C		1.956E-10	
63	3.45 TE TZ	1.178E 0C		1.99CE-10	
64	3.506E 02	1.188E NC	4.481E-73	2.023E-10	9.066E-13
65	3.561E CZ	1.193E CC		2.057E-10	
66	3.616E 02	1.197E CC		2.088E-10	
67	3.472E F2	I-SUCE UU	3.838E-03	2.116E-10	8.120E-13
68	1.121E P2	1.2058 00		2.1468-10	
64	3.782E C2	1.2126 00	2 2445 22	2.1/95-10	
70	3.838E C2	1.22(E (C	3.3005-03	2.209E-10	(.435E-13
71	1.8936 02	1.2278 00		2.2305-1"	
72	1.948E 12		2 0225-02	2.2095-10	(3615-13
74	4. CECE C2	1 2565 00	2. 9225-1 2	2.3415-10	0./215-13
75	4.114C A3	1.2695 00		2.2776-10	
74	4.1605 02	1.2745 00	2.6525-02	2.4055-10	6.3775-13
77	4. 2255 02	1.2826 00	C. C	2 4255-10	0.0116-17
78	4.2805 02	1.2826 00		2.4685-10	
70	4.3365 12	1.284F CO	2.241E-03	2.494F-10	5.5806-12
80	4.3010 03	1.2855 00	<	2.5165-10	202045-12
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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX•TO DOSE R/PHOTON/ SQ•CM•	DOSE SPEC R-SQ CM./ MEV-ELEC.
81	4.446E C2	1.287E CC		2.548E-10	
8 S.	4.501E C2	1.289E 00	1.88CE-C3	2.581E-10	4.851E-13
8 3	4.557E C2	1.302E 00		2.603E-10	
P 4	4.612E C2	1.314E CC		2.6?7E-10	
85	4.667E C2	1.326E 00	1.64CE-03	2.66CE-10	4.363E-13
9.6	4.723E ^2	1.337E CC		2.691E-10	
87	4.778E C2	1.347E CC		2.719E-10	
ЬŔ	4.833E 02	1.35°E CO	1.391E-03	2.7478-10	3.821E-13
РĢ	4.P89E C2	1.348E OC		2.774E-10	-
96	4.944E 02	1.336E CC		2.802E-10	
91	4.999E C2	1.321E OC	1.058E-03	2.83CE-10	2.994E-13
92	5.0556 02	1.341E CO		2.861E-10	
ЧÌ	5.110E ^2	1.361E CC		2.892E-10	
94	5.165E C2	1.373E 00	8.992E-04	2.9238-10	2.6286-13
95	5.221E 02	1.380E CO		2,9546-10	
96	5.276E C2	1.38CE CC		2.9826-10	
9 7	5.331E C2	1.379E 00	6.873E-04	3.009E-10	2.068E-13
98	5.387E C2	1.377E 00		3.0366-10	
99	5.4425 02	1.369E 00		3.062E-10	
חחן	5.497E 02	1.361E 00	4.915E-C4	3.089E-10	1.518E-13
101	5.553E 02	1.375E 0C		3,1176-10	
102	5.608E C2	1.392F CC		3.146E-10	
103	5.663E C2	1.405E 00	3.618E-04	3.1756-10	1.149E-13
104	5.719E 02	1.430E 00		3.2046-10	
105	5.774E C2	1.456E CC		3.2316-10	
106	5.829E 02	1.466E ^r	2.446E-^4	3.258E-10	7.969E-14
107	5.885E 02	1.461E CC		3.2856-10	
108	5.540E 02	8.776E-C1		3.311E-10	
109	5.595E 02	7.0376-02	5.426E-06	3.338E-10	1.811E-15
110	6.051E 02	r.r		3.368E-10	

COSE= 5.634E-13 R-SQ.CM./ELECTRON

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TAR	GET NO. 1 INC	IDENT ELECTRG	N ENERGY 1.	O MEV		
СН.	NET PULSE HE	IGHT SPECTRUM	PULTIPLIED	BY 2 PI SIN	PHI) COS(PH)	[].
	7.5	15.0	30.0	45.0	60.0	75.0
7	3.2056-02	5.287E-C2	7.835E-02	7.039E-02	4.499E-02	1.839E-02
10	4.391E-02	7.313E-02	1.063E-01	9.578E-02	6.066E-02	2.404E-02
13	4.5798-02	7.574E-C2	1.1028-01	9.900E-02	6.170E-02	2.550E-02
16	4.296E-02	7.0896-02	1.0085-01	9.009E-02	5.704E-02	2.316E-02
19	3.908E-02	6.461E-02	9.168E-02	8.128E-02	5.050E-02	2.045E-02
22	3.483E-C2	5.716E-C2	8.143E-02	7-163E-02	4.447E-02	1-803E-02
25	3.0646-02	5.059E-C2	7.138E-02	6-275E-02	3-847E-02	1.558E-02
28	2.733E-02	4.430E-C2	6-190E-02	5.467E-02	3.388F-02	1.3216-02
31	2.413E-02	3.951E-02	5.421E-02	4.780F-02	2.9305-02	1.180E-02
34	2-133E-02	2.491F-02	4.754E-02	4.1555-02	2.5856-02	1.0306-02
37	1.903E-02	3.064E-02	4.234E-02	3-629E-02	2.209E-02	8-932E-03
40	1.695E-02	2.734E-02	3.740F-02	3.206E-02	1.936E-02	7.7845-03
42	1.506E-02	2.4375-02	3.3585-02	2.848E=02	1.6975-02	6.7435-03
46	1.363E-02	2.1865-02	2.9555-02	2.4695-02	1.5085-02	F. 940E-03
49	1.2125-02	1.9216-02	2.6115-02	2.1695-02	1 2226-02	F 1025-03
52	1.090E-02	1.7895-02	2.3655-02	1 9545-02	1 1415-02	4 405E-03
55	6.6365-03	1.6125-02	2.0046-02	1.7495-02		4.0005-03
5.9	9 720E-02	1.4545-02	1.0345-02	1 5575-00	1.0215-02	
41	B 1045-03	1 2105-02	1 7415-02	1.3075-02	9.52/8-05	2 2007 02
44	7 7776-07	1.1045-02		1.3976-02		5+2086-03
C 4	6 3025-03	1.1946-07		1.2/9E-02	7.297E-03	2.8446-03
70		0 7075 02	1.41 75-02	1.141E-02	6.685E-03	2.5078-03
73	C+((42=()) E EEAC OD	5.707E=01	1.2475-02	1.0308-02	5.7472-13	2.2616-03
	5.000E-00	8.7098-03	1.1786-02	9.501E-03	5.2368-03	1.992E-03
10	5.0238-03	8.0565-03	1.014E-02	8.327E-03	4.751E-03	1.854E-03
74	4.6911-03	7.302E-03	9.338E-03	7.365E-03	4.134E-03	1.620E-03
82	4.1598-03	6.7298-03	8.772E-03	6.556E-03	3.620E-03	1.4076-03
85	3.7388-03	E.067E-03	7.5858-03	6.107E-03	3.3416-03	1.2058-03
88	3.4275-03	5.5258-03	7.033E-03	5.597E-03	2.986E-03	1.0928-03
91	3.261E-03	5.157E-03	6.388E-03	4.8446-03	2.6026-03	9.912E-04
94	2.8958-03	4.586E-03	5.9636-03	4.473E-03	2.521E-03	5.499E-04
97	2.673E-C3	4.174E-C3	5.210E-03	3.969E-03	2 . 157E-03	8.052E-04
100	2.473E-03	4.015E-C3	4.605E-03	3.8256-03	2.0106-03	7.490E-04
103	2.233E-03	3.518E-C3	4.303E-03	3.246E-03	1.7296-03	6.217E-04
106	2.063E-03	3.263E-03	3.879F-03	2.946E-03	1.676E-03	5.610E-04
100	1.8216-03	3.0196-03	3.4866-03	2.649E-03	1.458E-03	4.898E-04
112	1.683E-03	5.665E-03	3.3116-03	2.345E-03	1.328E-03	4.5618-04
115	1. 517E +03	2.4498-03	3.169E-03	2.270E-03	1.1478-03	3.898E-04
118	1.394F-C3	2.278E-03	2.639E-03	1.937E-03	9.351E-04	3.507E-04
121	1.276E-03	2.142E-03	2.523E-03	1.785E-03	8.725E-04	3.061E-04
124	1.100E-03	1.898E-C3	2.262E-03	1.619E-03	7.0896-04	2.749E-04
127	1.0705-03	1.680E-03	2.017E-03	1.431E-03	7.2896-04	2.559E-04
130	9.910E-04	1.524E-03	1.757E-03	1.1776-03	5.090E-04	2.142E-04
133	8.547E-04	1.4538-03	1.659E-03	1.008E-03	4.974E-04	1.9216-04
136	7.971E-04	1.332E-03	1.457F-03	9.678E-04	4.648E-04	1.659E-04
134	7.164E-04	1.300E-03	1.3276-03	8.766E-04	3.748E-04	1.469E-04
142	6.137E-04	1,•C96E-C3	1.220E-03	7.187E-04	3.9846-04	1.237E-04
145	5.023E-04	9.425E-C4	1.C44E-03	6.371E-04	2.5998-04	5.8278-05
148	5.2518-04	9.380E-04	5.144E-04	6.094E-04	2.66PE-04	8.321E-05
151	4.210E-04	9.074E-C4	8.8876-04	4.876E-04	2.181E-04	7.4885-05
154	4.2286-04	6.256E-C4	7.3215-04	4.235E-04	2.254E-04	6.651E-05
157	3.661E-04	5.7828-04	5.9475-04	3.532F-04	1.349F-04	4.183F-05
160	3.102E-04	4.327E-04	5.279E-04	3.049F-04	8-6355-05	4.4485-05
163	2.586E-C4	4.408E-04	4.742F-04	2.173F-04	1.0425-04	2.918E-05
146	2.039E-04	3.263E-04	3.945F-04	1.726E-04	8-0805-05	1.9806-05
145	1.702E-04	2.768F-04	2.845E-04	1.3285-04	3.2776-06	1.0006-05
172	1.280F-04	2.13CF-C4	2.6425-04	0.9445-05	4.1665-0F	5.0605-04
175	7.665E-05	1.5625-04	1.6936-04	5.0055-05	4 100C-0F	1 00000-00 4 00000-04
179	7.4095-05	1.1495-04	1.1045-04	7 05/5-010 7 05/5-05	1. 7095-05	C+152E-10
		*****	707. AC	<	1.02070-10	1. IN 25-11

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CHANNEL	ENERGY Kev		CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SG.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	2.022E	n n	c.0		r	
?	7.554E	ra	C.C		r.n	
ż	1.309E (<u>^1</u>	0.0		5.741E-11	
4	1.863E (<u>^1</u>	C.C		1.603E-10	
5	2.415E (n 1	C.C		1.3995-10	
6	2.968E (<u>^1</u>	^. ¢		7.851E-11	
7	3.522E (71	6.907E-01	4.323E-02	5.883E-11	2.543E-12
8	4.075E (10	1.142E CC		4.341E-11	
9	4.628E (C 1	1.073E CC		3.904E-11	
10	5.181E (<u>r 1</u>	1.024E 00	1.CC3E-C1	3.576E-11	3.585E-12
11	5.735E (11	1.019E CC		2.47CE-11	
12	6.288E (וי	1.018E 00		3.420E-11	
13	6.841E (ור	1.023E CC	1.033E-01	3.42°E-11	3.534E-12
] 4	7.394E (וי	1.019E 00		3.467E-11	
15	7.947E (<u> </u>	1.0118 00		3.5248-11	
16	8.501E (1 ר	1.010E CC	9.376E-02	3.6758-11	3.446E-12
17	9.054E (<u>21</u>	1.010E 00		3.846E-11	
1.8	5.607E (11	1.009E 00		4.118E-11	
19	1.016E	2	1.008E 00	8.4456-02	4.392E-11	3.709E-12
20	1.071E (2	1.0C8E CC		4.674E-11	
21	1.127E (2	1.008E 00		4.969E-11	
22	1.182E (<u>2</u>	1.009E CC	7.470E-02	5.279E-11	3.944E-12
23	1.237E 0	2	1.006E 00		5.60CE-11	
24	1.293E C	2	1.001E 00		5.927E-11	
25	1.348E (. 2	1.001E 00	6.487E-02	6.248E-11	4.053E-12
26	1.403E (2	1.001E 00		6.572E-11	
27	1.459E (2	1.0C1E 00		6.04 <u>3</u> E-11	
28	1.514E 0	2	1.001E 0C	5.657E-02	7.3156-11	4.138E-12
29	1.569E (2	1.003E 00		7.691E-11	
JU	1.625E (2	1.002E 00		8.067E-11	
31	1.68CE (2	9.976E-01	4.9468-02	8.444E-11	4.176E-12
32	1.735E C	2	9.9685-01		8.816E-11	
22	1.791E	2	5.981E-01		9.1876-11	
74	1.846E C	:2	9.985E-C1	4.342E-02	9.548E-11	4.145E-12
35	1.901E ^	2	9.987E-C1		9.007E-11	
36	1.957E (2	5.986E-C1		1.024E-10	
37	2.012E 0	`2	5.588E-01	3.8076-02	1.047E-10	3.986E-12
3.6	S. 4915 U	`2	1.001E 00		1.0336-10	
29	2.123E C	2	1.004E 00		1.062E-10	
40	2.178E C	2	1.011E 00	3.4C3E+02	1.153E-10	3.925E-12

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CHANNEL	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	2.233E ^2	1.017E 00		1.213E-10	
42	2.288E C2	1.025E 00		1.252E-10	
4?	2.344F 02	1.028E 00	3.073E-02	1.2916-10	3.966E-12
44	5.399E C2	1.031E 00		1.3296-10	
45	2.454E C2	1.034E 00		1.363E-10	
46	5.21CE US	1.038E 00	2.737E-02	1.398E-10	3.825E-12
47	2.565E C2	1.044E 00		1.4426-10	
48	2.620F C2	1.050E CC		1.4826-10	
49	2.676E C2	1.056E CC	2.452E-02	1.515E-10	3.717E-12
50	2.731E C2	1.C65E CC		1.549E-10	
51	2.786E C2	1.077E 00		1.582E-10	
52	2.842E C2	1.087E CC	2.277E-02	1.615E-10	3.677E-12
57	2.897E C2	1.095E 00		1.648E-10	
54	2.952E 02	1.095E 00		1.687E-10	
55	3.008E 05	1.103E 00	2.054E-02	1.724E-10	3.542E-12
56	3.063E 02	1.114E OC		1.7526-10	
57	3.118E CS	1.125E 00		1.781E-10	
58	3.174E C2	1.135E 00	1.918E-02	1.814E-10	3.479E-12
59	3.229E C2	1.144E CC		1.8476-10	
61	3.284E C2	1.152E CC		1.881E-10	
61	3.34CE ^2	1.159E 00	1.767E-02	1.918E-10	3.389E-12
62	3.395E 02	1.165E CC		1.956E-10	
63	3.450E C2	1.167E CC		1.990E-10	
64	3.506E C2	1.17CE 00	1.589E-02	2.023E-10	3.214E-12
65	3.561E C2	1.181E CC		2.0576-10	
66	3.616E C2	1.192E 00		2.088E-10	
67	3.672E C2	1.195E CC	1.481E-02	2.116E-10	3.133E-12
68	4.727E PZ	1.203E 00		2.146E-10	
69	3.782E C2	1.202E CC		2.179E-10	
70	3.838E C2	1.209E 0n	1.328E-02	2.2098-10	2.933E-12
/1	3.843E CZ	1.218E CC		2.236E-10	
72	3.548E P2	1.2.3E 00		2.269E-10	
	4.004E CZ	1.247E 00	1.2636-02	2.302E-10	2.908E-12
74	4.1346 02	1.249E CC		2.341E-10	
75	4.114E CZ	1.25CE CC		2.377E-10	
77	4+105E CZ	1.2496 00	1.124E-02	2.405E-10	2.7778-12
70	4.2258 82	1.2528 00		2.435E-10	
78	4.2801 02	1.2556 00	1 0000 00	2.4686-10	
79	4.5578 72	1.2058 00	1.0536-05	2.4948-10	2.5578-12
рц	4. 191E PZ	1.2/16 00		2.516E-10	

CHANNE	L ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
۹١	4.446E 02	1.278E CC		2.548E-10	
P 2	4.501E 02	1.286E CC	5.419E-93	2.5816-10	2.431E-12
93	4,557E C2	1.290E 00		2.603E-10	
94	4.412E 02	1.295E CC		2.627E-10	
Ŗ S	4.6678 02	1.301E 00	8.5776-03	2.66CE-10	2.2826-12
Р С	4.723E ^2	1.308E CC		2.691E-10	
87	4,778E C2	1.318E 00		2.719E-10	
8 A	4.833E 02	1.325E CC	7.993E-03	2.747E-10	2.195E-12
βÇ	4.889E C2	1.330E CC		2.774E-10	
90	4.944 <u>F</u> 12	1.332E 00		2.802E-10	
٩İ	4.999E C2	1.333E 00	7.231E-03	2.830E-10	2.046E-12
° 2	5.055E 02	1.348E 0C		2.861E-10	
97	5.11CE 02	1.361E CC		2.8926-10	
94	5.165E 02	1.367E 00	6.862E-03	2.923E-10	2.006E-12
05	5.221E 02	1.365E CC		2.954F-10	
°6	5.276E C2	1.363E 00		2.982E-10	
G 7	5.331E 02	1.365E 0C	6.053E-03	3.009E-10	1.821E-12
9.9	5.387E 02	1.375E CC		3.036E-10	
99	5.442E 02	1.39°E CC		3.062E-10	
100	5.497E C2	1.408E CC	5.8056-03	3.089E-10	1.793E-12
101	5.553E C2	1.403E 00		3.1176-10	
103	5.608E C2	1.397E CG		3.146E-10	
103	5.463E C2	1.396E 00	5.0876-03	3.175E-10	1.615E-12
104	5.719E 02	1.40CE 00		3.204E-10	
105	5.774E C2	1.4136 00		3.231E-10	
ነሳሉ	5.829E ^2	1.420E 00	4.753E-C3	3.258E-10	1.548E-12
107	5.885E C2	1.422E 00		3.28FE-10	
108	5.940E 02	1.424E CC		3.311E-10	
109	5.995E 02	1.426E CO	4.281E-03	3.338E-10	1.429E-12
110	6.051F C2	1.477E 00		3.36 PE-10	
111	6.106E C2	1.441E CC		3.309E-10	
172	6.161E 02	1.454E 00	3.983E-03	3.430E-10	1.366E-12
112	6.716F 02	1.468F 00		3.461E-10	
114	4.272E 12	1.486E CC		3.49CE-10	
115	6.727E 02	1.493E CC	3.814E-03	3.5176-10	1.341E-12
116	6.282E 02	1.485E CC		3.5446-10	
117	6.438E 12	1.477E CC		3.57CE-10	
118	6.493F 02	1.459E CC	3.2135-03	3.597E-10	1.156E-12
119	6.548F C2	1.477E CC		3.6236-10	
120	6.604E 02	1.495E CC		3.65CE-10	

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CHANNEL	ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R+SQ CM+/ MEV-ELEC+
121	6.659E 02	1.512E 00	3.112E-03	3.676E-10	1.144E-12
122	6.714E °2	1.521E CC		3.703E-10	
123	6.770F 02	1.5158 00		3.729E-10	
124	6.825E ^2	1.515E 00	2.759E-03	3.756E-10	1.036E-12
125	6.880E C2	1.523E 00		3.783E-10	
126	6.936E C2	1.532E 00		3.809E-10	
127	6.991E ^2	1.542E 00	2.557E-03	3.8365-10	9.807E-13
128	7.046E 02	1.534E CC		3.868E-10	
139	7.102E 02	1.524E CO		3.001E-10	
130	7.157E C2	1.518E CC	2.176E-03	3.9346-10	8.559E-13
131	7.212E C2	1.515E CC		3.967E-10	
132	7.268E C2	1.524E 00		3.998E-10	
133	7.223E C2	1.534E 00	1.989E-03	4.022E-10	7.999E-13
134	7.778E C2	1.547E CC		4.046E-10	
135	7.434E 02	1.559E 00		4.071E-10	
136	7.489E ^2	1.571E CC	1.857E-03	4.0956-10	7.603E-13
137	7.544E 02	1.585E 00		4.123E-10	
138	7.600E 02	1.600E 00		4.152E-10	
120	7.655E C2	1.608E 00	1.729E-03	4.181E-10	7.226E-13
140	7.710E C2	1.615E 00		4.209E-10	
141	7.766E C2	1.616E 00		4.237E-10	
142	7.821E ^2	1.610F CC	1.532E-03	4.261E-10	6.526E-13
143	7.876E C2	1.594E 00		4.286E-10	
144	7.932F 02	1.575E 00		4.310E-10	
145	7.987E 02	1.555E CO	1.234E+03	4.334E-10	5.349E-13
146	8.042E 02	1.584E 00		4.364E-10	
147	8.C97E 02	1.629E CC		4.3958-10	
148	8.153E C2	1.656E CO	1.2478-03	4.426E-10	5.521E-13
149	8.208E 02	1.678E CC		4.457E-10	
150	8.263E 02	1.681E CC		4.486E-10	
151	8.319E 02	1.684E 00	1.105E-03	4.51CE-10	4.985E-13
152	8.374E G2	1.686E 00		4.5356-10	
153	8.429E C2	1.687E 00		4.559E-10	
154	8.485E C2	1.685E 00	9.5016-04	4.583E-10	4.354E-13
155	8.540E C2	1.672E CC		4.609E-10	
156	8.595E 02	1.655E CC		4.636E-10	
157	8.651E C2	1.641F CC	7.550E-C4	4.662E-10	3.52CE-13
158	P.706E 02	1.63CE CC		4.689E-10	
155	8.761F C2	1.626E CO		4.715E-10	
160	8.917E C2	1.634E 00	6.230E-C4	4.739E-10	2.953E-13

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CHANNEL ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
161 8.872E C2	1.6678 00		4.764E-10	
162 E. 527E C2	1.702E 00		4.788E-10	
163 8.583E 02	1.738E CC	5.873F-04	4.812E-10	2.824E-13
164 9.038E 02	1.742F CC		4.840E-10	
165 S.C97E 02	1.733E 00		4.869E-10	
166 9.149E 02	1.715E 00	4.5836-04	4.897E-10	2.245E-13
167 5.204E C2	1.6565 00		4.976E-10	
168 9.259E C2	1.665E CC		4.954E-10	
169 9.315E C2	1.653E CC	3.295-04	4.978E-10	1.642E-13
170 C. 270E C2	1.693E 00		5-003E-10	
171 9.425E 02	1.734E CC		5.027E-10	
172 9.481E C2	1.776E CC	2.9636-04	5.051E-10	1.497E-13
173 9.536E C?	1.751E CC		5.077E-10	
174 5.591E C2	1.69CE CC		5.104E-10	
175 9.647F M2	1.654F CC	1.7536-04	5.13CE-10	8.991E-14
176 S.702E 02	1.624E 00		5.157E-10	
177 9.757E C2	1.634E 00		5.183E-10	
178 5.813F 02	1.651E 00	1.187E-04	5.208E-10	6.181E-14
179 5.868E C2	1.690E 00		5-232E-10	
180 9.923F 02	1.316E 00		5.256E-10	
181 5.578E C2	3.684E-C1	1.680E-05	5.281E-10	8.871E-15
182 1.003E C3	r.r		5.305E-10	

DOSF= 2.01PE-12 R-SQ.CM./ELECTRON

TAR	GET NC. 2 INC	IDENT ELECTRO	N ENERGY 1.0	NEV		
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SING	PHI) COS(PHI	
7	2 2205-02	15.0	30.0	45.0 5.0125-02	3 2595-02	75.0
10	3.464E-07	5-902E-02	8.136E-02	7.7235-02	5.039E-02	1.948E-02
17	3.587E-^2	6.716E-02	5.15CE-02	8.612E-02	5.6516-02	2.198E-02
16	3.8685-02	6.5036-02	8.814E-02	8.289E-02	5.383E-02	2.0728-02
19	3.581E-C2	6.061E-02	8.182E-07	7.592E-02	4.858E-02	1-905E-05
27	3.262E-02	5.454E-C2	7.324E-02	6.684E-02	4.3746-02	1.6668-02
?5	5.013E-U5	4.897E-C2	6.678E-02	5.937E-02	3.8228-02	1.466E-02
28	2.599E-02	4.38CE-C?	5.7356-02	5.209E-02	3.430E-02	1.268E-02
	2.310E-02	3.881E-02	5.1068-02	4.5861-02	2.934E-02	1.116E-"Z
27	2.011-02	3.1155-02	4.0025-02	3.5235-07	2.7145-02	9.478E=03
40	1.660E-02	2.6756-02	3.5416-02	3.125E-02	1.9826-02	7.481F-03
43	1.441E-02	2.414E-C2	3.1C8E-02	2.729E-02	1.7325-02	6.383E-03
46	1.3086-02	2.1736-02	2.814E-02	2.4435-02	1.5678-02	5.565E-03
49	1.182F-02	1.926E-02	2.510E-02	2.172E-02	1.356E-02	5.097E-03
52	1.072E-02	1.722E-02	2.2356-02	1.887E-02	1.1916-02	4.448E-03
55	5.583E-03	1.564E-02	2.013E-02	1.667E-02	1.055E-02	4.049E-03.
58	8.811E-03	1.4276-02	1.824E-02	1.56CE-02	9.166E-03	3.5228-03
<u>61</u>	7.8886-73	1.2728-02	1.658E-02	1.336E-02	8.431E-03	3.071E-C3
64	6 5205-03	1.1386-02	1.2125-02	1.1225-02	(2.5005-03
70	5.C78E+C3	1.00E-02	1.1555-02	9.9785-03	5.9625-03	2.2095-03
73	5.330F-03	8.685E-C3	1.067E-02	8-968E-03	5.378F-03	2.023E-03
76	4.972E-C3	7.951E-C3	5.728E-03	8.113E-03	4.774E-03	1.6946-03
79	4.489E-03	7.435E-03	9.000E-03	7.562E-03	4.251E-03	1.5196-03
82	4.225E-03	6.709E-03	8.146E-03	6.685E-03	3.882E-03	1.398E-03
R 5	3.7486-03	5.8936-03	7.359E-03	5.979E-03	3.4558-03	1.2536-03
88	3.4255-03	5.748E-C3	6.637E-03	5.307E-03	3.096E-03	1.112E-03
°1	3.C78E-C3	5.125E-03	6.084E-03	4.814E-03	2.826E-03	5.989E-C4
94	2.8186-03	4.4686-03	5.5445-03	4.5135-03	2.5355-03	E. 760E-04
100	2.3595-02	4.200E-1.3 3 006E-03	2.219E-03	3.4535-03	2.2705-03	C+23/E-114
103	2.080E-03	3.4786-03	4.2558-03	3.3085-03	1.7935-03	6.452E-C4
106	2.010E-03	3.155E-C3	3.574E-C3	2.862E-03	1.6085-03	5.832E-04
109	1.7605-03	2.9235-03	3.371E-C3	2.6438-03	1.440E-03	5.162E-04
112	1.6986-03	2.755E-03	3.163E-03	2.411E-03	1.2558-03	4.446E-04
115	1.563E-03	2.527E-03	2.786E-03	2.024E-03	1.0996-03	4.0536-04
118	1.389E-C3	2.274E-03	2.697E-03	1.867E-03	9.806E-04	3.199E-04
121	1.2846-03	2.041E-03	2.38°E-03	1.627E-03	9.418E-04	2.957E-C4
124	1.J37E-03	1.8725-03	2.0356-03	1.581E-03	8-3325-04	2.5236-04
120	5.5400-04 C 5416-04	1.4146-03	1.7695-03	1.1945-03	5 0016-04	1 0055-04
122	P. 784F-04	1.5C8E-C3	1.536E-03	1.101E-03	5.348E-04	1.7296-04
126	7.997E-04	1.292E-03	1.268E-03	8.896E-04	4.886E-04	1.4816-04
139	7.369E-04	1.125F-C3	1.240E-03	8.397E-04	4.C74E-04	1.358E-04
142	6.479E-04	1.024F-03	1.0596-03	7.805E-04	3.876E-04	1.211E-04
145	5.360E-04	5.619E-04	1.024E-03	6.491F-04	3.281E-04	9.712E-05
148	4.733E-C4	8.403E-04	8.C79E-C4	5.143E-04	2.752E-04	8.934E-05
151	4.5558-04	6.834E-C4	7.285E-04	4.591E-04	7.083E-04	6.432E-05
1-4	2.9126-04	C.437E-04	0.905E+04	3.0325 OX	1.8236-04	4.927E-05
160	2.0016-04	5.2035-04	0.110L-04	2.7025-04	1.0265-04	4.4125-05
163	2,530F-04	4.177E-04	4.2CAF-C4	2.0765-04	9.6156-05	2.4895-05
166	1.9986-04	3.51CE-C4	3.833E-04	1.610E-04	7.544F-05	2.056E-05
169	1.906E-C4	2.672E-04	3.240E-04	1.117E-04	4.197E-05	1.447E-05
172	1.0748-04	2.241E-C4	2.189E-04	8.714E-05	1.966E-05	5.937E-06
175	8.531E-05	1.566F-04	1.590E-04	6.120E-05	2.4956-05	E.319E-06
178	6.133E-05	1.257F-C4	9.959E-05	3.4385-05	1.151E-05	5.051E-06

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY•SPEC• PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	2.022E CC	0.0		0.0	
2	7.554E 00	C.C		C.O	
2	1.309E 01	^ •0		5.741E-11	
4	1.862E 01	r.r		1.603E-10	
5	2.415F 01	0.0		1.399E-10	
6	5+285 01	C.O		7.851E-11	
7	3.522E 01	5.7628-01	2.872E-02	5.883E-11	1.689E-12
A	4.075E CI	1.098E 00		4.341E-11	
ç	4.628E 01	1.047E 00		3.904E-11	
10	5.181E 01	1.011E CC	7.890E-02	3.576E-11	2.821E-12
11	5.735E C1	1.008E 0C		3.47CE-11	
12	6.288E C1	1.012E 00		3.420E-11	
13	6.841E 01	1.021E 00	8.963E-02	3.420E-11	3.065E-12
14	7.394E 11	1.018E CC		3.463E-11	
15	7.947E 01	1.011E 00		3.524E-11	
16	8.501E 01	1.01CE 00	8.519E-C2	3.675E-11	3.1316-12
17	c.054E 01	1.011E CC		3.8465-11	
18	9.607E 01	1.010E 00		4.118E-11	
19	1.016F 02	1. OCSE OC	7.825E-02	4.392E-11	3.437E-12
20	1.071E C2	1.007E CC		4.674E-11	
21	1.127E 02	1.006E 00		4.969E-11	
??	1.182E C2	1.006E 00	6.965E-02	5.279E-11	3.677E-12
23	1.237E 12	1.005F CC		5.60CE-11	
24	1.5435 C2	1.002E 00		5.927E-11	
2.5	1.3486 02	I COSE CO	6.199E-02	6.248E-11	3.873E-12
20	1.403E M2	teru3E uu		6.572E-11	
21	1.4598 72	1.002E C0		6.943E-11	
78	1.514E 02	1.002E C0	5.4478-02	7.315E-11	3.981E-12
20	1.5656 72	1.003E 00		7.691E-11	
	1.6256 02	1.002E 00		8.067E-11	
<u>-1</u>	1.0808 02	9.568E~01	4.764E-02	8.444E-11	4.023E-12
27		S. SODE-"1		8.816E-11	
21	1.791E C2	9.991E-rl		9.187 <u>E-11</u>	
74	1.7405 72	4.999E-01	4.2256-02	9-5486-11	4.034E-12
77		1.000E 00		9.907E-11	
2°C 27	1.77 12 12	9.994E-01	3 3035 03	1.0246-10	
20		3.993t-11	さんていうヒービス	1.0225.10	3.877E-12
30	2 1225 62	1.0045.00		1.0005 10	
	2 1 2 35 2		2 2215 02	1.0028-10	
-•	C + 1 / C E + 2	101120 00	2.3716-02	1.1755-17	3.8376-12

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CHANNE	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
41	2.233E 02	1.016E 00		1.213E-10	
42	2.288E 02	1.019E CC		1.2526-10	
43	2.344E 02	1.023E CC	2.9466-02	1.291E-10	3.802E-12
44	2.399E 02	1.026E CO		1.329E-10	
45	2.454E 02	1.C34E 0C		1.363E-10	
46	2.510E 02	1.042E 00	2.701E-02	1.398E-10	3.775E-12
47	2.565E 02	1.050E CO		1.442E-10	
48	5.630E 05	1.057E CC		1.482E-10	
49	2.6768 02	1.063E 00	2.447E-02	1.515E-10	3.708E-12
50	2.731E 02	1.069E 00		1.549E-10	
51	2.786E C2	1.075E CO		1.5826-10	
52	2.842E C2	1.082E CO	2.199E-02	1.615E-10	3.551E-12
53	2.897E 02	1.085E 00		1.648E-10	
54	2.952E C2	1.096E CO		1.687E-10	
55	3.008E 02	1.1C4E CC	2.007E-02	1.7246-10	3.46°E-12
56	3.063E 02	1.116E CO		1.752E-10	
57	3.1186 02	1.128E 00		1.7816-10	
58	3.174E 02	1.138E 00	1.878E-02	1.814E-10	3.408E-12
59	3.229E 02	1.144E 00		1.847E-10	
60	3.284E CZ	1.147E 00		1.881E-10	
61	3.34CE 02	1.153E 00	1.696E-C2	1.918E-10	3.252E-12
62	3.395E C2	1.160E 00		1.956E-10	
63	3.4508 02	1.167E CC		1.990E-10	
64	3.506E 02	1.174E 00	1.557E-02	2.0236-10	3.150E-12
65	2.561E 02	1.183E CO		2.057E-10	
66	3.616E C2	1.192E 00		2.088E-10	
67	3.672E C2	1.198E 00	1.435E-02	2.116E-10	3.0368-12
68	3.727E C2	1.204E 00		2.146E-10	
69	3.782E C2	1.208E CC		2.179E-10	
75	3.838E 02	1.213E CC	1.307E-02	2.209E-10	2.888E-12
71	3.893E C2	1.219E 00		2.236E-10	
72	3.948E 02	1.224E CC		2.269E-10	
73	4.004E 02	1.229E CC	1.1916-02	2.302E-10	2.743E-12
74	4.059E 02	1.236E CG		2.341F-10	
75	4.114E C2	1.242E 00		2.3776-10	
76	4.169E 02	1.247E CC	1.093E-02	2.405E-10	2.628E-12
77	4.225E 02	1.2558 00		2.435E-10	
7 8	4.280E C2	1.268E 00		2.468E-10	
79	4.335E C2	1.277E 00	1.030E-02	2.494E-10	2.570E-12
80	4.391E 02	1.283E CC		2.516E-10	

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY SPEC. PHOTONS/MEV ~ELECTRON	FX TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
81	4.446E C2	1.285E CC		2.548E-10	
82	4.501E C2	1.295E 00	5,4376-03	2.581E-10	2.435E-12
гg	4.557E C2	1.256E CC		2.603E-10	
84	4.612E C2	1.297E CC		2.627E-10	
85	4.667E ^2	1.30CE CO	8.463E-03	2.66CE-10	2.251E-12
٩e	4.723E 02	1.305E CC		2.6915-10	
P7	4.778E C2	1.313E CC		2.7198-10	
8 8	4.833E C2	1.321E 00	7.821E-03	2.747E-10	2.148E-12
09	4.889E 12	1.328E 00		2.774E-10	
90	4.944F 02	1.335E CC		2-802E-10	_
91	4.999E 02	1.341E 00	7.204E-03	2.830E-10	2.038E-12
92	5.055E 02	1.348E 00		2.861E-10	
Ç J	5.110E C2	1.354E CC		2-892E-10	
G 4	5.165E 02	1.359E CO	6.628E-03	2.9236-10	1.937E-12
c 5	5.221F C2	1.365E CC		2.954E-10	
96	5.276E 02	1.372E CC		2.982E-10	
97	5.3318 02	1.378E CC	6.105E-03	3.000E-10	1.837E-12
98	5.387E C2	1.383E 00		3.036E-10	
çc	5.442E ^2	1.387E CC		3-0628-10	
100	5.497E C2	1.391E 00	5.5568-03	3.089E-10	1.716E-12
101	5.553E C2	1.399E CC		3.117E-10	
102	5.408E C2	1.407E CC		3.146E-10	
103	5.663E C2	1.409E 00	5.1286-03	3.175E-10	1.628E-12
104	5.719E C2	1.405E CC		3-204E-10	
105	5.774E C2	1.403E CC		3.231E-10	
106	5.829E C2	1.403E CC	4.491E-03	3.258E-10	1.463E-12
107	5.885E C2	1.407E CC		3.285E-10	
108	5.94CE C2	1.419F CC		3.311E-10	
109	5.95E 02	1.434E CC	4.2258-03	3-338E-10	1.410E-12
110	6.051E C2	1.447E CC		3.36PE-10	
117	6.106F C2	1.46CE 00		3-399E-10	
112	6.161E C2	1.467F CC	3.9856-03	3.430E-10	1.367E-12
113	6.216E C2	1.469E 00		3.461E-10	
114	6.272E C2	1.459E CC		3.49CE-10	
115	6.327E 02	1.459E CC	3.4916-03	2.517E-10	1.228E-12
116	6.382E C2	1.470E 00		3.5446-10	
לוי	6.438E C2	1.482E CC		3-5706-10	
118	6.497E C2	1.495E CC	3.289E-03	3.5976-10	1.183E-12
119	6.548E C?	1.455E 00		3.623E-10	
120	6.604E C2	1.502E 00		3.650E-10	

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CHANNEL	ENERGY	r	CORR	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
121	6.659E 6.714E	C2	1.506E 1.511E	00	2.973E-03	3.676E-10 3.703E-10	1.093E-12
124	6.825E	02	1.515E 1.518E 1.520E	00	2.702E-03	3.756E-10 3.783E-10	1.015E-12
126	6.936E 6.991E	r2 r2	1.520E 1.520E	00	2.4096-03	3.809E-10 3.834E-10	9.241E-13
128 129 130	7.046E 7.102E	02 C2	1.523E 1.527E 1.534E	00 00	2.1645-03	3.868E-10 3.901E-10 3.934E-10	8-513E-13
131 132	7.212F 7.268F	02	1.544E 1.564E	00 00		3.967E-10 3.998E-10	
133 134 125	7.323E 7.378E	C2 C2	1.572E 1.563E	00	2.042E-03	4.022E-10 4.046E-10 4.071E-10	8.214E-13
136 137	7.489E 7.544E	02	1.548E 1.543E	CC 00	1.689E-03	4.095E-10 4.123E-10	6.917E-13
138	7.6CCE 7.655E	C2	1.566E 1.583E	00	1.612E-03	4.152E-10 4.181E-10	6.740E-13
141	7.766E 7.821E	C2 C2	1.599E 1.610E 1.622E	00	1.484E-03	4.237E-10 4.261E-10	6.323E-13
147	7.876E 7.932E	r2 r2	1.637E 1.648E	00		4.286E-10 4.310E-10	
145 146 147	7.987E 8.042E 8.097E	C2 C2	1.656E 1.641E	00 00 00	1.354E-03	4.334E-10 4.364E-10 4.395E-10	5.87°E-13
14 <u>8</u> 149	8.153F 8.208E	L5 L5	1.603E 1.590E	nr nr	1.0836-03	4.426E-10 4.457E-10	4.792E-13
150 151 152	8.263E 8.319E F.374E	C2 C2 C2	1.592F 1.601F	00 00	5.331E-04	4.486E-10 4.51CE-10 4.535E-10	4.209E-13
153	8.429E 8.485E	<u>,5</u>	1.648E 1.67CE	00	8.778E-04	4.559E-10 4.583E-10	4.0236-13
155 156 157	8.54CE 8.595E 8.651E	C2 C2	1.666E 1.652E	00 00 00	7,1895-04	4.609E-10 4.636E-10 4.662E-10	3, 3525-13
158	8.776E 8.761F	r2 r2	1.665E 1.702E		••••	4.689E-10 4.715E-10	5.5766-13
160	8.817F	r 2	1.726F	C Û	6.735E-04	4.739E-10	·192E-13

TARGET NO. 2 INCIDENT ELECTRON ENERGY 1.0 M

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CHANYE	L ENERGY KEV	CORR.FACT.	ENGY•SPEC• PHOTONS/MEV -ELECTRON	FX•TO DOSE R/PHO†ON/ SQ•CM•	DOSE SPEC R-SQ CM./ MEV-ELEC.
141	8.872E C2	1.72CE CC		4.764E-10	
162	8.927E C2	1.709E 00		4.788E-10	
163	8.583E C2	1.694E 00	5.301E-04	4.812E-10	2.551E-13
164	5.038E C2	1.704E CC		4.840E-10	
165	9.0936 02	1.726E CC		4.869E-10	
166	9.149E 02	1.737E CC	4.577E-04	4.897E-10	2.2428-13
167	9.204E 02	1.746E 00		4.9265-10	
168	9.259E C2	1.738E CC		4.954E-10	
169	9.315E 02	1.726E 00	3.5408-04	4.978E-10	1.7678-13
170	9.37CE C2	1.701E 00		5.003E-10	
171	9.425E C?	1.673E CC		5.027E-10	
172	9.491E C2	1.641E 00	2.389E-04	5.051E-10	1.207E-13
173	9.536E 02	1.644E CC		5.077E-10	
174	5.591E 02	1.665E 00		5.104E-10	
175	9.647E 02	1.679E 00	1.816E-04	5.13CE-10	9.318E-14
176	5.702E ^2	1.691E nr		5.157E-10	
177	9.757E C2	1.683E CC		5.183E-10	
178	9.813E 02	1.700E 00	1.214E-04	5.208E-10	6.324E-14
179	9.868E 02	1.803F 00		5.232E-10	
180	9.923E C2	1.432E CC		5.256E-10	
181	9.978E C2	4.00°E-01	2.140E-05	5.281E-10	1.130E-14
192	1.003E 03	^ • ^		5.305E-10	

CCSE= 1.925E-12 R-SQ.CM./ELECTRON

TARCE			N ENERGY 1.0	NEV	
CH. N	IFT PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SING	PHI) COS(PHI).
	7.5	15.0	30.0	45.0	60.0
7	3.090E-02	5.427E-C2	7.4156-02	6.884E-02	4.5668-02
10	4.284E-C2	7.4648-02	1.005E-01	9.355E-02	6.168E-02
13	4.5116-02	7.861E-02	1.060E-01	9.691E-02	6.348F-02
16	4.156E-C2	7.382E-02	9.606F-02	8.961E-02	5.834F-02
19	3.865E-02	6.685E-07	8.84CE-C2	8.0256-02	5.1985-02
22	7.4335-02	5.9505-02	1.1) /E=02	1.08/E-02	4.JOCE-02 3.080E-02
20	2.4005-02	3.239F-12	5.665E=02	5-3575-02	3.4376-02
20	2.3655-02	4.1196-02	5.196E-02	4.725E+02	2.9645-02
74	2.0945-02	3.624E+02	4.618E-02	4.141F-02	2.632E-02
37	1.8736-02	3.202E-02	4.070E-02	3.583E-02	2.280E-02
40	1.666E-02	2.839E-02	3.603E-02	3.182E-02	2.002E-02
47	1.4726-02	2.571E-02	3.189E-02	2.809E-02	1.734E-02
46	1.3316-02	2.207E-02	2.801E-02	2.4646-02	1.552E-02
49	1.200E-02	2.0336-02	2.582E-02	2.167E-02	1.360E-02
52	1.0656-02	1.8C4E-02	2.231F-02	1.940E-02	1.211E-02
FS	5.569E-03	1.666E-C2	2.0526-02	1.7276-02	1.0896-02
58	8.7636-03	1.5168-02	1.876E-02	1.552E-02	9.615E-03
61	7.9476-03	1.355E-C2	1.637F-02	1.418E-02	8.6976-03
64	7.21CE-C3	1.226E-C2	1.502E-02	1.7436-02	1.5295-03
67	6.595E-03	1.1428-02	1.347E-02	1.112E-02	6.855E-03
70	6.1466-03	5.538E-03	1.2025-02	1.001E-02	0.12Pt-02
73	5.347F-Q3	9.0492-03	1.0145-02	9.2195-03	0.2/2E=0.2
10	4.9066-03	2.4105-03	1.0146-02	7 3105-03	4.8040-03
, y 0 7	4.0046-03	7.0165-03	9.114E-03	6 496E-03	3.8265-03
0Z	2 7015-02	A 2075-02	7 4155-03	6.0305-03	3-5805-03
0.0	3.4545-03	5 6125-03	6.759E=03	5.330E-03	3-1325-03
сс с1	2.1516-02	5.1475-03	5.CCGE=03	4.885E-03	2.7825-03
91	2.9716-07	4-824E-03	5.455E-C3	4.372E-03	2.509E-03
c7	2.591E-C3	4.346E-03	5.214F-03	3.873E-03	2.303E-03
100	2.399E-03	3.972E-03	4.667E-03	3.651E-03	1.958E-03
102	2.1916-03	3.779E-03	4.313E-03	3.151E-03	1.790E-03
106	1.956E-C3	3.463F-03	3.626E-03	2.783E-03	1.547E-03
109	1.8226-03	3.112E-03	3.499E-03	2.5768-03	1.4528-03
112	1.72CE-C3	2.8376-03	3.211E-03	2.327E-03	1.250E-03
115	1.5606-03	2.555E+C3	2.973E-03	2.185E-03	1.2016-03
118	1.445E-^3	2.384E-03	2.629E-03	1.8826-03	1.050E-03
121	1.243E-C3	2.100E-03	2.342E-03	1.688E-03	9.6156-04
124	1.103E-03	2.028E-03	2.153E-03	1.5826-03	8.178E-04
127	1.0486-03	1.7108-03	1.989E-03	1.3586-03	7.2578-04
130	5.731E-C4	1.633E-C3	1.799E-C3	1.2728-03	5.6/3E-04
133	8.28CE-C4	1.473E-03	1.669E-03	1.115E-03	5. 1155-04
136	8.129E-04	1.3836-03	1.3678-03	9.8708-04	4.8/86-04
139	7.3156-04	1.156E-03	1.2546-03	8.7316-04	2 7025-04
142	E.4/6E-C4	1.0656-03	1.1036-03	7.0255-04	2.1725-04
147	5.3166-04	9.001E-04	1.11111-12	5 4775-04	2 6955-04
142	3.0995-04	7 4435-04	7 4975-04	4.8975-04	1.0736-04
151	2.8036-04	A. GC3E-C4	7.007E+04	3.864E-04	1.748E-04
157	3.7026-04	5.466F-C4	5.608E-04	3.3195-04	1.630E-04
160	2.705F-C4	5.389F-C4	4.467F-04	2.149F-04	1.044E-04
163	2.429F-C4	4.412E-C4	3.9745-04	2.121E-04	1.0156-04
166	1.987E-C4	3.4236-04	3.910E-04	1.403E-04	4.693E-05
169	1.493E-04	2. 81 CE-04	2.907E-04	1.327E-04	4.150E-05
172	1.363E-C4	2.385E-C4	2.262E-04	9.242E-05	1.6196-05
175	9.799E-05	2. TOSE-04	1.332E-04	6.065E-05	3.276E-05
178	4.976F-05	1.175E-04	9.0485-05	5.0395-05	1.076F-05

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CHANNE	EL ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	2.022E CC	C.O		C.O	
2	7.54E rr	r.r		c.o	
,	1.309E 01	0.0		5.741E-11	
4	1.862E 01	r.n		1.603E-10	
5	2.415E C1	^ •^		1.399E-10	
6	2.968E 01	r.n		7.851E-11	
7	3.522E C1	6.002E-01	4.47°E-02	5.883E-11	2.630E-12
Ŕ	4.075E 01	1.141E 00		4.341E-11	
9	4.628E 01	1.0718 00		3.904E-11	
10	5.181E C1	1.022E CC	1.0356-01	3.576E-11	3.700E-12
11	5.735E C1	1.017E 00		3.47°E-11	
12	6.288E C1	1.0178 00		3.42°E-11	
13	6.841F 01	1.023E CC	1.081E-01	3.420E-11	3.697E-12
14	7.394E C1	1.019E 00		3.463E-11	
15	7.947E C1	1.011E 00		3.524E-11	
16	8.501E 01	1.01CE CC	9.813E~02	3.675E-11	3.606E-12
17	5.054E C1	1.010E 00		3.846E-11	
1.9	5.607E C1	1.01CE 00		4.118E-11	
19	1.016E 02	I.AICE DO	8.876E-02	4.392E-11	3.898E-12
20	1.071E 02	1.008E 00		4.674E-11	
21	1.127E C2	1.008E 00		4.969E-11	
22	1.182E C2	1.008E 00	7.7985-02	5.279E-11	4.117E-12
23	1.237E 02	1.005E CC		5+60CE-11	
24	1.293E 02	1.001E 00		5.927F-11	
25	1.348E C2	1.001F 00	6.795E-02	6.748E-11	4.246E-12
26	1.403E C2	1.001E 00		6.572E-11	
27	1.454E 72	1.COTE OC		6.943E-11	
78	1.514E C2	1.001E 00	5.525E-02	7.315E+11	4.334E-12
29	1.569E C2	1.002F 00		7.691E-11	
20	1.625E C2	1.001E 00		8.067E-11	
21	1.68CE C2	9.96CE-01	5.164E-02	8.444E-11	4.360E-12
72	1.7358 72	5.561E-C1		8.816E-11	
33	1.791E C2	5.951E-"1		9,187E-11	
74	1.846E C2	1. uuce uu	4.575E-02	9.548E-11	4.372E-12
25	1.9018 02	1. UULE UL		9.907E-11	
3 Ý	1.957E C2	5.95CE-01		1.024E-10	
27	2.012E C2	5.985E-C1	3.598E+C2	147E-10	4.186E-12
38	2. 67E C2	1.001E 00		1.033E-10	
30	2.123E C2	1.005E CC		1.062E-10	
40	2.178F CZ	1.012E 00	3.5866-02	1.153E-10	4.136E-12

CHANNEL	. ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	2.2338 02	1.018E CC		1-213E-10	
42	2.288E C2	1.024E CC		1.252E-10	
47	2.3448 02	1.0278 00	3.2126-02	1.2916-10	4.146E-12
44	2.399E 02	1.028E CC		1.3296-10	
45	2.454E C2	1.030E 00		1.363E-10	
46	2.510F C2	1.034E 0C	2.847E-02	1.398E-10	3.980E-12
47	2.565E 02	1.044E 0C		1.442E-10	
48	2.620E 02	1.054E CC		1.482E-10	
49	2.676E C2	1.063E 00	2.631E-02	1.515E-10	3.988E-12
50	2.731E 02	1.069E QC		1.549E-10	
51	2.786E C2	1.074E CC		1.582E-10	
5 2	2.842E ^2	1.081E 00	2.364E-02	1.615E-10	3.818E-12
53	2.897E 02	1.089E 00		1.648E-10	
F 4	2.952E C2	1.099E 00		1.687E-10	
55	3.CO8E C2	1.105E 00	2.199E-02	1.724E-10	3.790E-12
56	3.0635 02	1.12CE CC		1.7528-10	
57	3.118E C2	1.129E 00		1.781E-10	
58	3.174E C2	1.138E CC	2.035E-02	1.814E-10	3.692E-12
59	3.229E 02	1.145E CC		1.847E-10	
ξŪ	3.284E 02	1.151E CC		1.881E-10	
<u>61</u>	3.740F C2	1.157E CC	1.8556-02	1.918E-10	3.557E-12
62	3.3956 C2	1.163E 00		1.956E-10	
63	3.450E 02	1,167E CC		1.990E-10	
<u>F4</u>	3.506E ^2	1.172E 00	1.677E-02	2.023E-10	3.392E-12
65	3.561F 02	1.182E CC		2.057E-10	
66	3.616E C2	1.1928 00		2.088E-10	
67	3.672E C2	1.199E CC	1.553E-02	2.116E-10	3.287E-12
68	3.727E 02	1.204E CC		2.146E-10	
69	3.7828 02	1.206E 00		2.1798-10	
70	3.838E C2	1.21 CE CC	1.400E-02	2.209E-10	3.092E-12
71	3.893E CZ	1.215E OC		2+236E-10	
72	3.948E 02	1.22CE 00		2.269E-10	
73	4.004E C2	1.556E CO	1.276E-02	5•305E-10	2.938E-12
74	4.059E 02	1.239E CC		2+341E-10	
75	4.114E C2	1.25CE CC		2.3776-10	
76	4.169E ^2	1.524E UC	1.2006-02	2.405E-10	2.8876-12
77	4.225E C2	1.263E 00		2.435E-10	
7 8	4.280E 02	1.268F CC		2.46PE-10	
79	4.235E 02	1.271E CC	1.093E-05	2.4946-10	2.723E-12
P.O.	4.391E C2	1.274F CC		2.516E-10	

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R+SQ CM./ MEV-ELEC.
я 1	4.4468 02	1.278E CC		2.548E-10	
°?	4.501E C2	1.282E CC	5.8836-03	2.581E-10	2.551E-12
ÊĠ	4.557E C2	1.292E C^		2.603E-10	
P4	4.6128 02	1.305E 00		2.627E-10	
P 5	4.667E 02	1.3106 00	9.2176-03	2.66°E-1°	2.452E-12
P6	4.723E C2	1.315E CC		2.691E-10	
P7	4.778E C2	1.317E CC		2.719E-10	
ង់ង	4.8338 02	1.350E 00	8.321E-03	2.7478-10	2.285E-12
P C	4.889E ^2	1.324E CC		2.774E-10	
9 0	4.944E 02	1.329E 0C		2.802E-10	
ci	4.999E C2	1.333E CC	7.585E-C3	2.830E-10	2.146E-12
92	5.055E CZ	1.341E 00		2.861E-10	
d 3	5.11CE 02	1.349E CC		2.892E-10	
Ģ4	5.165E C2	1.356E CC	7.024E-03	2.923E-10	2.053E-12
° 5	5.221E ^2	1.363E 00		2.9546-10	
5E	5.276E C2	1.372E CC		2.982E-10	
97	5.331E CZ	1.375E CC	6.531E-03	3.009E-10	1.96FE-12
9.8	5.387E C2	1.386E CC		3.036E-10	
c 9	5.442E C2	1.391E CC		3.062E-10	
100	5.497E CZ	1.396E CC	5.9915-03	n89E−10	1.85CE-12
101	5.553E CZ	1.403E 00		3.117E-10	
102	5.608E 02	1.405E CC		3.1465-10	
173	5.663E CZ	1.409E 00	5.4956-03	3.1756-10	1.7456-12
104	5.7198 02	1.406E 00		3.2046-10	
105	5.774F C2	1.356E CC		3.2315-10	1 6/75 10
106	5.8298 02	1.395E CC	4.75CE-03	3.2586-10	1.54/6-12
107	5.885E C2	1.4h2E 70		3.2858-10	
108	5.94ne n2	1.4198 "C		3.311t-10	1 5305 13
lud	5.595E C2	1.4398 00	4.5818-03	3.3386-10	1.5296-12
110	6.051E 02	1.4436 66		3.3685-10	
111	6.106E C2	1.4476 00		3.3996-10	
112	6.161E ^2	1.4558 00	4.1932-03	3.4302-10	1.4386-12
117	6.216E 72	4.4658 00		3.4016-10	
114	6.272E C2	1.4878 00		3.4902-10	
115	6.427E 92	L.490E 00	1.5898-03	3.51/E-IO	1.4/176-12
116	6.382E C2	1.4958 00		3.744E-UN	
117	6.438E C2	1.4936 00	2 52/5 63		1 3765 13
118	6.493E C2	1.4P8E CC	\$•556E=°3	3.79/E-10	1.2/26-12
119	A.548E C2	1.48/F CC		2.623E-10	
120	6.6C4E C2	1.487E Cr		1.05CE=10	

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CHANNE	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
121	6.659E 02	1.493E CC	3.1656-03	3.676E-10	1.164E-12
122	6.714E 02	1.50CE 0C		3.703E-10	
127	6.77CE C2	1.514E CC		3.7296-10	
124	6.825E 02	1.522E CC	2.5688-03	3.756E-10	1.1156-12
125	6.880E ^2	1.523E CC		3.783E-10	
12e	6.936E ^2	1.521F CC		3.8096-10	
127	6.951E C2	1.518E CC	2.6246-03	3.836E-10	1.007E-12
128	7.C46E C2	1.524E CC		3.868E-10	
129	7.1C2E C2	1.533E CC		3.901E-10	
130	7.157E 02	1.541E 00	2.4666-03	3.934E-10	9.467E-13
131	7.212E C2	1.552E 00		3.967E-1C	
132	7.268E C2	1.568E 0C		3.998E-10	
133	7.323E 02	1.570E CC	2.2566-03	4.022E-10	9.075E-13
134	7.378E 02	1.578E CC		4.046E-10	
135	7.434E C2	1.574E CC		4.071E-10	
13€	7.489E C2	1.567E CC	1.963E-03	4.095E-10	8.040E-13
137	7.544E 02	1.56CE CC		4.1236-10	
138	7.6CCE C2	1.5538 00		4.152E-10	
125	7.655E C2	1.557E CC	1.688E-03	4.181E-10	7.9576-13
140	7.710E 02	1.566E 0C		4.209E-10	
141	7.766F ^2	1.591E CC		4.237E-10	
142	7.021E 02	1.613E CC	1.6116-03	4.261E-10	6.8638-13
142	7.876E 02	1.625E CC		4.286E-10	
144	7.932E C2	1.675E 00		4.31CE-10	
145	7.987E 02	1.645E CC	1.456E-03	4.334E-10	6.309E-13
146	8.042E C2	1.642E CC		4,364E-10	
147	8.C97E C2	1.636E GC		4.395E-10	
148	8.153E C2	1.628E CC	1.2276-03	4.426E-10	5.4326-13
149	8.208F 02	1.62CE 0C		4.457E-10	
150	8.263E C2	1.614E 0C		4.486E-10	
151	8.319E 02	1.616E CC	1.0336-03	4.51CE-10	4.658E-13
152	6.374E C2	1.635E CC		4.535E-10	
153	8.429E ^?	1.655E CC		4.559E-10	
154	P.4855 02	1.677E CC	5.506E-04	4-583E-10	4.357E-13
155	8.540E C2	1.684E CC		4.609F-10	
156	8.595E C2	1.687E 00		4.636E-10	
157	8.651E C2	1.672E CC	7.963E-04	4.662F-10	3.7136-13
158	8.706E C2	1.653F CC		4.689E-10	
159	8.761E C2	1.615E CC		4.715E-10	
160	8. P17F C2	1.597E CC	5. 508E-04	4.739F-10	2.800E-13
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TARGET NO. 3 INCIDENT ELECTRON ENERGY 1.0 MEV

CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
161	8.872E C2	1.63°E CC		4.764E-10	
162	P.927E 02	1.666E nC		4.788E-10	
163	P. 987E C2	1.708E 00	5.6798-04	4.812E-10	2.733E-13
164	4.038E 02	1.714E CC		4.84CE-10	
165	4°L83E US	1.7C4E CC		4.869E-10	
166	9.149E 02	1.701E CC	4.478E-04	4.897E-10	2.193E-13
167	5.204E C2	1.701E 00		4.926E-10	
168	9.259E C2	1.712E 00		4.954F-10	
169	9.215E C2	1.721E CO	3.663E-04	4.078E-10	1.823E-13
170	9.37CE C2	1.725E CC		5.0035-10	
171	9.425F C2	1.726E CC		5.027E-10	
172	5.481E ^2	1.724F CO	2.801E-04	5.051E-10	1.415E-13
173	5.536E C2	1.729E CC		5.077E-10	
174	5.591E 02	1.737E 00		5.104E-10	
175	9.647E 02	1.73CE 00	2.064E-04	5.130E-10	1.059E-13
176	9.7C2E 02	1.72CE CC		5.157E-1^	
177	5.757E C2	1.673E 00		5.183E-10	
178	5.813E 02	1.674E 00	1.248E-04	5.2086-10	6.498E-14
179	5.868F C2	1.835E CC		5.232E-10	
180	9.923E C2	1.486F CC		5.2568-10	
101	5.978E C2	4.161E-01	2.7C2E-05	5.2816-10	1.427E-14
1 = 2	1.003E 03	r., r		5.3056-10	

CCSE= 2.118E-12 R-SQ.CM./ELECTRON

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TAR	GET NC. 4 INC	IDENT ELECTRO	N ENERGY 1.	N MEN	
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SING	PHI) COS(PHI).
	7.5	15.0	39.0	45.0	60.0
7	2.258E-02	3.835E-02	5.6886-02	5.052E-02	3.278E-02
10	3.567F-C2	6.C35E-02	8.8256-02	7.836E-02	5.115E-02
13	4.°37E-°2	6.879E-02	9.911E-02	8.7226-02	5.7296-02
16	3.8236-02	6.574E-C2	5.447E-02	8.354E-02	5.449E-02
19	2.594E-02	6.166E-02	8.754E-02	7.646E-02	4.957E-02
22	3.275E-02	5.5758-02	7.757E-02	6.882E-02	4.428E-^2
25	2.913E-02	4.543E-0?	6.947E-02	5.964E-02	3.850 2-02
28	2.626E-C2	4.3546-02	6.C91E-C2	5.313E-02	3.3736-02
- 31	2.30CE-02	3.5056-02	5.405E-02	4.608E-02	2.9576-02
34	2.048E-02	3.4336-02	4.816E-02	4.011E-02	2.6046-02
37	1.843E-02	3.0746-02	4.192E-02	3.5906-02	2.2518-02
40	1.652E-02	2.742E-02	3.758E-02	3.147E-02	1.9876-02
43	1.456E-02	2.400E-02	3.299E-02	2.746E-02	1.7326-02
46	1.311E-02	2.1938-02	2.948E-02	2.4646-02	1.5076-02
49	1.1696-02	2.0C7E-C2	2.623E-02	2.191E-02	1.3346-^2
<u>۶</u> 2	1.061E-02	1.748E-02	2.310E-02	1.935E-02	1.1748-02
55	9.4626-03	1.595E-C2	2.133E-^2	1.7268-02	1.050E-02
58	8.654E-03	1.4856-02	1.896E-02	1.539E-02	9.6846-03
- 61	7.801E-C3	1.30CE-02	1.685E-02	1.3925-02	8.5536-03
44	7.°54E-°3	1.184E-02	1.555E-02	1.249E-02	7.5598-03
67	6.672E-03	1.104E-02	1.407E-02	1.114E-02	6.889E-03
70	5.996E-03	5.614E-C3	1.255E-C?	9.976E-03	6.066E-03
<u> </u>	5.43CE-C3	8.576E-C3	1.1636-02	8.853E-03	5.583E-03
76	4.876E-C3	8.289E-C3	1.C32E-C2	8.1776-03	4.888E-03
79	4.733E-C3	7.575E-C3	9.2056-03	7.418E-03	4.337E-03
82	4.0956-03	6.744E-03	8.6396-03	6.616E-03	3.837E-03
85	3.843E-03	6.055E-03	7.743E-03	5.865E+03	3.337E-03
р р	3.2996-03	5.684E-C3	7.298E-03	5.252E-03	3.1676-03
٢٦	3.162E-03	5.152E-C3	6.368E-03	4.6906-03	2.915E-03
94	2.7896-03	4.7438-03	5.8226-03	4.262E-03	2.445E-03
C7	2.5126-03	4.249E-C3	5.363E-03	3.744E-03	2.223E-03
100	2.390E-03	4.0346-03	4.658F-C3	3.448E-03	2.001E-03
173	2.1C7E-C3	3.757E+C3	4.428E-03	3.284E-03	1.790E-03
106	1.94CE-C3	3.276E-C3	3.936E-03	2.89CE-03	1.572E-03
109	1.848E-C3	3.075E-03	3.644E-03	2.672E-03	1.415E-03
112	1.686E-03	2.633E-C3	3.3395-03	2.361E-03	1.359E-03
115	1.489E-C3	2.521E-C7	3.0P2E-03	2.107E-03	1.2398-03
118	1.363E-03	2.269E-03	2.8C2E-03	1.958E-03	9.9755-04
121	1.2465-03	2.133E-C3	2.4245-03	1.7226-03	9.320E-04
174	1.105E+C3	1.897E-03	2.329E-03	1.507E-03	7.397E-04
127	5.939E-04	1.708E-C3	2.022E-03	1.448E-^3	7.208E-04
137	8.713E-C4	1.495F-C3	1.8175-03	1.155F-03	6.129E-04
133	8.576E-04	1.4136-03	1.657E-03	1.C38E-03	5.154E-04
140	1.6561-64	1.313E-C3	1.4976-03	1. m4E-n3	5.085E-04
144	7.104E=04	1.16/E-C3	1.275E-03	8.4176-04	4.1134-04
142	C.411F-P4	1.0318-04	1.0778-03	8.1496-04	3.7.152-04
145	D.CIUE-U4	5.524E-04	1. rtyE=r3	6.361E-04	3.008E-04
147	4 • ~ 0 / <u>-</u> ~('4	0.1521-19 1.4455 04	7.7245-04 0.7775 0/	2.0902-04	20771-14
171	4.504Emt 4 3.300E-04	1.0420-14	C+222E-14	4.1202-114	2.02012-14
167	3.4645-04	C. 2145414 6 / 605-04	D+3775-04	4.0/72-04 3 7775 A4	1+0122-04
140	3.5455-04	1.4391714 6.1306-04	7.572E=14 6.653E 64	3 7 E & C - C 4	1 0725-04
142	2 410E=04	5 CECE-C4	4.407E=14 6.660E-07	2 6 7 9 2 4 2 4 1 4	1.11/2E=14
144	2 • 7 1 9F 4 2 1645 - PA	2 2025-04	3 6216-04	1 01/5-04	0 1775-05
160	1.6675-04	3 0 3 7 5 5 4 7 0 3 7 5 5 4	207215514	1+214C*14	0022/0717 5 3035-05
172	1.2545-04	0 0 0 0 0 C - C 4	3 • 17 1F=N4 2 2227€=AA	101305-05	302727777 4 1945-45
176	G_PR3E_PE	2.0200-14	C+CC(C=V4 1 &A1C=04	0+1342417 5 0015-05	90104E-177 2 2016-06
170		L+7475-14 C 3475-05	1.49015-14	2.001E="2	1 2725 AF
1.1	201010-12	7.40000710	101516-0.4	204265402	レッビリッピュリコ

CHANNEL ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1 2.022E CC	r.c		0.0	
2 7,554E CC	C.C		0.0	
3 1.309E 01	r.r		5.741E-11	
4 1.862E C1	^ • ^		1.603E-10	
5 2.415E C1	0.0		1.399E-10	
6 2.968E C1	r.r		7.851E-11	
7 3.5228 01	5.7738-01	3.164E-02	5.883E-11	1.862E-12
P 4.075F C1	1.100E 00		4.341E-11	
9 4.628E C1	1.048E 00		3.004E-11	
10 5.181F C1	1.015E CC	8.641E-02	3.576E-11	3.090E-12
11 5.735E C1	1.009E 00		3.47°E-11	
12 6.288F C1	1.013E CC		3.4206-11	
13 6,841E 01	1.023E CO	5.754E-02	3.420E-11	3.350E-12
14 7.394E ^1	1.C19F C0		3.463E-11	
15 7.947E 01	1.010E CC		3.524E-11	
16 8.501E 01	1. C9E 00	9.226E-02	3.6758-11	3.391E-12
17 S.054E 01	1.010E 00		3.846E-11	
18 9.607E C1	1.010E CC		4.118E-11	
19 1.016E 02	1.CCSE CC	8.501E-02	4.392E-11	3.734E-12
20 1.C71E C2	1.008E 00		4.674E-11	
21 1.127E 02	1.008E CC		4.969E-11	
22 1.182E C2	1.01CE 00	7.618E-02	5.279E-11	4.022E-12
23 1.237E 02	1.006E 00		5.60CE-11	
24 1.293E 02	1.00CE 00		5.927E-11	
25 1.348E 02	9.9966-01	6.635E-C2	6.248E-11	4.146E-12
26 1.403E C2	1.000E 00		6.572E-11	
27 1.459E C2	1.001E CC		6.943E-11	
28 1.514E C2	1.003E CC	5.875E-02	7.3158-11	4.297E-12
20 1.569E 02	1.004E CC		7.691E-11	
30 1.625E C2	1.002E 00		8.067E-11	
31 1.68CE C2	9.973E-C1	5.14°E-02	8.4446-11	4.34°E-12
32 1.735E C2	9.963E-C1		8.816E-11	
37 1.791E C2	9.977E-C1		9.187E-11	
34 1.846E C2	9.983E-01	4.533E-02	9.548E-11	4.329E-12
35 1.901E C2	9.9888-01		9.907E-11	
36 J.957E C2	9.994E-01		1.024E-10	
37 2.012E 02	1.000E CC	4.005E-02	1.047E-10	4.194E-12
38 2.067E C2	1.003E 00		1.0335-10	
39 2.123E C2	1.007E 00		1.062E-10	
40 2.178E 02	1.013E CC	3.599E-02	1.153E-10	4.152E-12

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CHANNE	L ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R+SQ CM./ MEV-ELEC.
41	2.233E ^2	1.018E CC		1.213E-10	
42	2.288E C2	1.021E 00		1.252E-10	
43	2.344F 02	1.023E CC	3.178E-02	1.291E-10	4.102E-12
44	2.399E C2	1.025E CC		1.3296-10	
45	2.454E C2	1.032E 00		1.363E-10	_
46	2.510E C2	1.035E CC	2.884E-02	1.398E-10	4.031E-12
47	2.565E 02	1.048E 00		1.442E-10	
48	2.62CE C2	1.056E 00		1.482E-10	
49	2.676E M2	1.063E CC	2.634E-02	1.515E-10	3.991E-12
50	2.731F 02	1,068E 00		1.549E-10	
51	2.786E C2	1.072E CC		1.582E-10	
52	2.842F ^2	1.080E CC	2.358E-02	1.615E-10	3.808E-12
53	2.897E 02	1.088E CC		1.6486-1^	
54	2.952E C2	1.055E CC		1.687E-10	
55	3.008E 02	1.109E 00	2.195E-02	1.724E-10	3.783E-12
56	3.0635 02	1.12CE CC		1.7526-10	
57	3.118E ^2	1.125E CC		1.781E-10	
58	3.174E C2	1.137E CC	2.031E-02	1.8146-10	3.684E-12
59	3.229E C2	1.142E CC		1.847E-10	
60	3.284E 02	1.145E CC		1.881E-10	
61	3.240E 02	1.152E CC	1.832E-02	1.918E-10	3.514E-12
62	3.3956 02	1.159E CC		1.956E-10	
63	3.450E 02	1.167E CC		1.990E-10	
64	3.506E C2	1.176E CO	1.694E-02	2.023E-10	3.427E-12
65	3.561E 02	1.186E CC		2.057E-10	
66	3.616E C2	1.196E 00		2.088E-10	
67	3.672E ^2	1.202E 00	1.573E-02	2.116E-10	3.329E-12
8.3	3.727E C2	1.206E CC		2.146E-10	
69	3.782E C2	1.205E CC		2.179E-10	
70	3.838E 02	1.205E 0C	1.4C5E-02	2.209E-10	3.103E-12
71	3.893E 02	1.215E CC		2.236E-10	
72	3.548E 02	1.223E CC		2.2698-10	
73	4.004E 02	1.233E CC	1.300E-02	2.302E-10	2.993E-12
74	4.C59E C2	1.242E CC		2.341E-10	
75	4.114E 02	1.25CE CC		2.377E-10	
76	4.169E 02	1.254E CC	1.201E-02	2.405E-10	2.888E-12
77	4.225F 02	1.258E CC		2.435E-10	
78	4.290E C2	1.263E CC		2.468E-10	
7 Ç	4.335E C2	1.265E OC	1.092E-02	2.494E-10	2.724E-12
80	4.391E C2	1.274F CC	_	2.516E-10	

CHANNEL	ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
81	4.446E 02	1.282E CC	1 0005 03	2.54PE-10	2 6025-12
82	4.5718 2	1.290E PC	1+008E=02	2.0010-10	2.0.25-12
83	4.557E C2	1.291E 00		2 4275-10	
84	4.612E C2	1.291 00	0 0525-03	2.6605-10	2-408E-12
85	4.00/0 1/2	1 2045 00	30 0 0 2 C - C D	2.691E-10	204000 12
~ <u>C</u>	4 + 7255 72			2.719E-10	
87	4 . 100 12	1 2225 00	8.58GE-03	2.747E-10	2.359F-12
88	4.0000 00	1 3365 00	2. 1012-05	2.774E-10	
~~	4.0070 2	1 3415 00		2-802E-10	
01	4 944F 12	1.343E CC	7.760E-03	2-830E-10	2.196E-12
91	4.777C V2	1.347E CC		2.861E-10	
92	5 1105 02	1.35CE CC		2.892E-10	
96	5.165E 02	1.352E CO	7.017E-03	2.923E-10	2.0516-12
94	5.221E C2	1.355F CC		2.954E-10	
96	5.276F C2	1.355F CC		2.982E-10	
97	5.331F 02	1.364E CC	6.38?E-03	3.009E-10	1.920E-12
98	5.387E 02	1.369F CC		3.036E-10	
99	5.4425 02	1.374E GC		3.0626-10	
100	5.497F C2	1.375E CO	5.8556-03	3.089E-10	1.808E-12
101	5.553E C2	1.395E CC		3.117E-10	
102	5.608E C2	1.411E CC		3.146E-10	
103	5.663F 02	1.418E CC	5.62CE-03	3.175E-10	1.784E-12
104	5.7198 ^2	1.421E CC		3.204E-10	
105	5.774E 02	1.413E CC		3.231E-10	
106	5.829E C2	1.412E CC	4.945E-03	3.258E-10	1.611E-12
107	5.885E C2	1.416E 00		3.285E-10	
108	5.540E C2	1.428E 00		3.311E-10	
109	5.995E C2	1.443E CO	4.677E-03	3.338E-10	1.561E-12
110	6.051F 02	1.447E CC		3.368E-1C	
111	6.106E 02	1.45CE CC		3.3995-10	
112	6.161E 02	1.456E CO	4.2606-03	3.4301-10	1.4016-12
113	6.216E C2	1.463F CC		3.401E-10	
114	6.272F C2	1.472E CC	2 0/75 02	3-4908-10	1 2055-12
115	6.327E 02	1.48CE 00	3.5672-03	3.51/E-10 2.5445-10	1.3976-12
116	6.782F C2	1.487E CC		2 5705-10	
117	E.438E 02	1.4908 00	2 5825-02	3.5976-10	1,2895-12
118	C+493E P2	1.4918 111	20202000	3.6235-10	102076-12
119	C.548E C2	1.4945 00		3.6505-10	
120	C.C.4E 02	1.4978 00			

CHANNEL	ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SG CM./ MEV-ELEC.
121 122	6.659E C2 6.714E C2	1.50CE CC 1.503E CC	3.228E-03	3.676E-10 3.703E-10	1.187E-12
123 124 125	6.825E C2 6.880E C2	1.504E 00 1.505E 00 1.520E 00	2.902E-03	3.756E-10 3.758E-10	1.090E-12
126 127 128	6.936E C2 6.991E C2 7.046E 02	1.533E CC 1.545E CC 1.535E CC	2.771E-03	3.809E-10 3.836E-10 3.868E-10	1.0446-12
129 130	7.102E 02 7.157E 02 7.157E 02	1.521E CC 1.513E CC	2.285E-03	3.901E-10 3.934E-10 3.967E-10	8.988E-13
132 133	7.268E C2 7.323E C2	1.523E 00 1.540E 00	2.114E-03	3.998E-10 4.022E-10	8.503E-13
134 135 136	7.378E C2 7.434E C2 7.489E C2	1.586E CC 1.586E CO 1.605E CC	2.066E-03	4.0468-10 4.0718-10 4.0958-10	8.460E-13
137 138 139	7.544E 02 7.600E 02 7.655E 02	1.601E 00 1.585E 00 1.576E 00	1-728F-03	4.123E-10 4.152E-10 4.181E-10	7,223F-13
140 141	7.710E 02 7.766E 02	1.569E 00 1.574E 00		4.209E-10 4.237E-10	
142 143 144	7.876E 02 7.876E 02 7.932E C2	1.582E 00 1.598E 00 1.612E 00	1.5416#83	4.286E-10 4.310E-10	6.568E-13
145 146 147	7.987E C2 8.042E C2 8.097E C2	1.626E 00 1.634E 00 1.641E 00	1.4285-03	4.334E-10 4.364E-10 4.395E-10	6.187E-13
148	8.153E C2 8.208E C2	1.644E CC 1.647E CC	1.2685-03	4.426E-10 4.457E-10	5.612E-13
150 151 152	8.263F C2 8.319F C2 8.374E C2	1.650F CC 1.651E CC 1.648E CC	1.1056-03	4.486E-10 4.510E-10 4.535E-10	4.985E-13
153 154 155	8.429E C2 8.485E C2 8.540E C2	1.645E CC 1.641E CC 1.658E CC	5.287E-04	4.559E-10 4.583E-10 4.609E-10	4.256E-13
156	8.595E C2 8.651E C2	1.683E CC 1.678E 00	8.4055-04	4.636E-10 4.667E-10	3.919E-13
158 159 160	8.817E 02	1.605E 00 1.615E 00 1.597E 00	6.146E-04	4.739E-10 4.739E-10	2.913E-13

CHANNEL	ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
161	8.872E C2	1.653E CC		4.764E-10	
162	8.927E C2	1.718E OC		4.788E-10	
163	8.983E C2	1.791E CC	6.624E-04	4.812E-10	3.188E-13
164	5.138E 12	1.802E 0C		4.840E-10	
165	9.093E 02	1.786E CC		4.869E-10	
166	5.149E C2	1.762E CC	5.115E-04	4.897E-10	2.505E-13
167	5.204E 02	1.738E 00		4.926E-10	
168	9.259E C2	1.702E CC		4.954E-10	
169	5.315E 02	1.677E CC	3.5956-04	4.978E-10	1.790E-13
170	5.370E C2	1.682E CC		5.003E-10	
171	5.425E M2	1.686F CC		5.027E-10	
172	5.481E C2	1.689E CC	2.763E-04	5.051E-10	1.396E-13
173	9.536E C2	1.668F CC		5.077E-10	
174	9.591E ^2	1.635E CC		5.104E-10	
175	9.647E 02	1.612E 00	1.735E-04	5.130E-10	8.900E-14
176	5.702E C2	1.591E CC		5.157E-10	
177	5.757E C2	1.583E 00		5.183E-10	
178	5.813E 02	1.583E CC	1.103E-04	5.208E-10	5.744E-14
175	5.868F 02	1.617E 00		5.232E-10	
180	9.923E 02	1.257E CC		5.256E-10	
181	9.978F C2	3.520F-01	1.529E-05	5.281E-10	8.076E-15
192	1.03E 03	0.0		5.305E-10	

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CCSE= 2. P84E-12 R-SQ.CM./ELECTRON

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TARGET NC. 6 INCIDENT ELECTRON ENERGY 1.0 MEV CH. NET PULSE HEIGHT SPECTRUM MULTIPLIED BY 2 PI SIN(PHI) CCS(PHI). 7.5 30.0 45.0 60.0 75.0 15.0 1.937E-02 2.989E-02 7 3.456E-C2 4.721E-02 4.710E-02 1.082E-02 10 3.384E-02 6.102E-C2 8.2916-02 8-040E-02 5.122E-02 1.8866-02 13 4.091E-02 7.420E-02 1.008E-01 9.4965-02 6.153E-02 2.315E-02 1.017E-01 9.545E-02 6.140E-02 16 4.1718-02 7.541E-C2 2.321E-02 3.892E-02 8.862E-C2 5.7258-02 2.153E-C2 19 7.051E-02 9.519E-02 5.2836-02 1.961E-02 22 3.654E-C2 6.628E-C2 8.755E-C2 8.1235-02 4.680E-02 1.753E-C2 25 3.286E-C2 5.978E-02 7.855E-02 7.256E-02 28 2.9306-02 5.296E-C2 6.905E-02 6.389E-02 4.085E-02 1.554E-C2 3.6638-02 1.350E-02 31 2.597E-CZ 4.762E-C2 6.219E-02 5.618E-02 3.148E-02 34 2.335E-02 4.210E-02 5.497E-02 4.936E-02 1.1856-02 37 2.0776-02 3.694E-02 4.780E-02 4.320E-02 2.759E-02 1.017E-02 1.837E-02 40 3.324E-02 4.270E-02 3.792E-02 2.427E-02 8.962E-03 43 1.6278-02 2.943E-02 3.803E-02 3.356E-02 2.171E-02 7.9106-03 46 1.4846-02 2.633E-02 3.364E-02 2.995E-02 1.869E-02 6.865E-03 49 1.328E-02 2.318E-02 3.010E-02 2.683E-02 1.669E-02 6.171E-03 1.180E-C2 52 2.108E-C2 2.688E-02 2.350E-02 1.475E-02 5.422E-03 55 2.120E-02 1.313E-02 4.811E-03 1.078E-02 1.913E-02 2.3836-02 58 1.737E-02 9.978E-03 2.132E-02 1.8346-02 1.153E-02 4.311E-03 1.050E-02 61 8.925E-03 1.596E-C2 1.942E-02 1.662E-02 3.7998-03 64 8.0766-03 1.429E-02 1.735E-02 1.485E-02 9.2836-03 3.3576-03 67 7.565E-C3 1.287E-02 1.5898-02 1.3306-02 8.427E-03 3.025E-C3 70 6.675E-03 1.1916-02 1.439E-02 1.204E-02 7.793E-03 2.687E-03 73 1.063E-02 1.078E-02 5.994E-C3 1.325E-C2 6.758E-03 2.401E-03 76 5.618E-C3 9.679E-03 1.174E-02 9.795E-03 5.893E-03 2.069E-03 79 1.876E-03 5.051E-03 8.864E-03 1.062E-02 9.102E-03 5.321E-03 R2 4.674E-03 7.817E-03 9.796E-03 8.192E-03 4.712E-03 1.767E-03 85 4.308E-03 7.411E-03 8.722E-03 7.103E-03 4.455E-03 1.561E-03 88 3.846E-03 6.803E-03 8.095E-03 6.457E-03 3.954E-03 1.372E-03 91 3.677E-03 6.298E-03 7.212E-03 5.937E-03 3.511E-03 1.221E-03 94 3.244E-03 6.467E-03 5.273E-03 1.109E-03 5.665E-03 3.135E-03 97 2.988E-C3 5.089E-C3 6.114E-03 4.871E-03 2.950E-03 9.993E-C4 100 2.767E-C3 4.8356-03 5.501E-03 4.438E-03 2.576E-03 8.794E-04 103 4.110E-03 7.751E-04 2.584E-C3 4.298E-03 5.217E-03 2.321E-03 106 2.319E-03 3.402E-03 2.098E-03 3.940E-03 4.455E-03 7.107E-04 109 2.111E-03 3.541E-03 4.149E-03 3.325E-03 1.778E-03 6.056E-04 112 1.926E-03 3.325E-C3 3.834E-03 3.058E-03 1.693E-03 5.520E-04 115 1.804E-C3 3.025E-03 3.442E-03 2.668E-03 1.496E-03 4.868E-04 118 1.643E-03 2.619E-03 2.964E-03 2.4448-03 1.268E-03 4.498E-C4 1.421E-03 2.908E-03 2.173E-03 121 2.735E-03 4.129E-04 1.1958-03 124 1.313E-03 2.275E-C3 2.588E-03 1.998E-03 1.094E-03 3.671E-04 1.706E-03 127 1.186E-C3 2.2138-03 2.195E-03 1.058E-03 2.8668-04 130 1.1096-03 2.081E-03 1.51CE-03 8.277E-04 1.868E-03 2.537E-C4 1.9136-03 133 9.984F-C4 1.753E-03 1.270E-03 7.878E-04 2.436E-04 6.111E-04 136 9.466E-04 1.610E-03 1.767E-03 1.128E-03 2.1198-04 1.4386-03 1.4396-03 139 8.083F-04 1.038E-03 5.7298-04 1.994E-04 1.310E-03 4.936E-04 142 7.2866-04 1.256E-03 9.318E-04 1.5516-04 7.072E-C4 1.1586-03 145 1.043E-03 8.16°E-04 4.306E-04 1.4778-04 3.3156-04 148 5.890E-04 1.035E-03 9.911E-04 6.551E-04 1.2296-04 151 5.165E-04 9.9388-04 9.250E-C4 6.213E-04 3.402E-C4 5.102E-05 154 4.482E-04 8.2896-04 8.147E-04 5.641E-04 2.5746-04 6.787E-05 157 3.8966-04 6.907E-C4 7.317E-04 4.633E-04 2.707E-04 5.610E-05 3.529E-04 160 6.48CE-C4 6.417E-04 3.387E-04 2.0956-04 4.715E-05 163 2.610E-04 5.421E-04 5.375E-04 3.166E-04 1.195E-04 3.154E-05 166 2.460E-04 4.837E-04 3.865E-04 2.186E-04 9.5206-05 2.842E-05 169 2.160E-04 3.949E-04 3.142E-04 1.778E-04 9.6928-05 2.224E-C5 172 1.428E-04 2.632E-04 2.865E-04 1.347E-04 4.9136-05 1.278E-05 175 1.155E-04 2.5918-04 2:5628-04 6.562E-05 4.1528-05 4.7558-06

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7.435E-05

1.780E-C4

5.537E-05

1.8946-05

6.407E-06

1.432E-04

CHANNEL	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-sq CM./ Mev-elec.
1	2.022E 00	C.C		n_n	
?	7.554E CC	n.n		C.O	
3	1.709E 01	e.o		5.741E-11	
4	1.862E 01	0.0		1.603E-10	
5	2.415E ^1	n.n		1.3996-10	
6	2.568E 01	n.n		7.851E-11	
7	3.522E 01	5.568E-01	2.5605-02	5.883E-11	1.506E-12
8	4.075E 01	1.062E 00		4.341E-11	
9	4.628E C1	1.024E 00		3.904E-11	
10	5.181E 01	9.981E-Cl	7.956E-02	3.576E-11	2.845E-12
11	5.735E C1	9.983E-C1		3.47°E-11	
12	6.288E C1	1.005E 00		3.42°E-11	
13	6.841E 01	1.017E 00	5.749E-02	3.420E+11	3.334E-12
14	7.394E 01	1.016E 00		3.463E-11	
15	7.947E 01	1.01CE 0C		3.524E-11	
16	8.501E 01	1.011E CC	5.759E-02	3.675E-11	3.587E-12
17	9.C54E C1	1.011E 00		3.846E-11	
18	9.607E C1	1.907E CC		4.118E-11	
19	1.016E 02	1.005E 00	9.050E-02	4.392E-11	3.975E-12
20	1.071E 02	1.006E 00		4.674E-11	
21	1.127E ^2	1.008E 00		4.969E-11	
22	1.182E 02	1.012E 00	8.406E-0?	5.279E-11	4.438E-12
23	1.237E 02	1.009E 00		5.60CE-11	
24	1.293E 02	1.°C3E 0C		5.927E-11	
25	1.348E C2	1.003E CC	7.454E-02	6.248E-11	4.658E-12
26	1.403E C2	1.002E 00		6.572E-11	
27	1.459E C2	1.001E 00		6.943E-11	
28	1.514E 02	1.0GCE 00	6.549E-02	7.315E-11	4.79^E-12
?9	1.569E 02	1.003E 00		7.691E-11	
30	1.625E C2	1.904E CC		8.067E-11	
31	1.680E C2	1.001E 00	5.838E-02	8.444E-11	4.929E-12
32	1.735E 02	9.999E-01		8.816E-11	
33	1.791F ^2	1.000E 00		9.187E-11	
74	1.846E 02	9.998E-01	5.124E-02	9.5486-11	4.892E-12
35	1.901E 02	9.992E-01		9.907E-11	
36	1.9576 02	9.9798-01		1.024E-10	
27	2.012E 02	9.973E-01	4.468E-02	1.047E-10	4.678E-12
38	2.067E 02	9.998E-01		1.033E-10	
39	2.123E 02	1.004E 00		1.062E-10	
40	2.178E C2	1.010E 00	4.012E-02	1.153E-10	4.628E-12

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TARGET NO. 6 INCIDENT ELECTRON ENERGY 1.0 MEV

CHANNEL	ENERG' KEV	Y	CORR	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	2.233E	r2	1.017E	00		1.213E-10	
42	2.288E	C 2	1.C24E	00		1.252E-10	
43	2.344E	02	1.027E	00	3.623E-02	1.291E-10	4.676E-12
44	2.399E	C 2	1.C3CE	00		1.329E-10	
45	2.454E	C 2	1.C33E	00		1.363E-10	
46	2.510E	r2	1.037E	90	3.236E-02	1.398E-10	4.5248-12
47	2.565E	C2	1.046E	CC		1.447E-10	
48	2.62°E	C2	1.054E	00		1.482E-10	
49	2.676E	C2	1.062E	CC	2.960E-02	1.515E-10	4.485E-12
50	2.731E	°2	1.065E	00		1.549E-10	
51	2.786E	02	1.076E	00		1.582E-10	
52	2.842E	٥Z	1.C85E	00	2.684E-02	1.615E-10	4.334E-12
53	2.897E	C 2	1.093E	00		1.648E-10	
54	2.952E	C2	1.101E	0.0		1.687E-10	
55	3.008E	62	1.109E	CC .	2.461E-02	1.724E-10	4.242E-12
56	3.063E	02	1.116E	00		1.752E-10	
57	3.118E	02	1.122E	00		1.781E-10	
58	3.174E	C 2	1.128E	00	2.221E-02	1.814E-10	4.029E-12
59	3.229E	02	1.137E	00		1.847E-10	
60	3.284E	C 2	1.148E	00		1.881E-10	
61	3.340E	02	1.156E	00	2.068E-02	1.918E-10	3.965E-12
62	3.395E	02	1.164E	0 C		1.956E-10	
63	3.450E	C2	1.167E	C C		1.990E-10	
64	3.506E	C2	1.170E	00	1.867E-02	2.023E-10	3.778E-12
65	3.561E	02	1.179E	00		2.057E-10	
66	3.616E	02	1.188F	00		2.088E-10	
67	3.672E	°2	1.196E	00	1.732E-02	2.116E-10	3.664E-12
68	3.727E	02	1.2C4E	0 C		2.146E-10	
69	3.782E	C2	1.212E	CC		2.179E-10	
79	3.838E	C S	1.219E	00	1.605E-02	2.209E-10	3.544E-12
71	3.893E	C2	1.225E	0.0		2.236E-10	
72	3.948E	02	1.230E	00		2.269E-10	
73	4.004E	02	1.234E	00	1.4596-02	2.302E-10	3.359E-12
74	4.C59E	C 2	1.235E	00		2.341E-10	
75	4.114E	C 2	1.242E	00		2.377E-10	
76	4.169E	C2	1.244E	00	1.318E-02	2.405E-10	3.17CE-12
77	4.225E	C2	1.251E	00		2.435E-10	
78	4.280E	C2	1.262E	00		2.468E-1C	
79	4.335E	<u>C2</u>	1.269E	00	1.2276-02	2.494E-10	3.060E-12
80	4.391E	°2	1.276E	00		2.516E-10	

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814.446E r_2 $1.292E$ r_1 $2.548E-10$ $2.996E-12$ 834.557E r_2 $1.293E$ r_1 $2.603E-10$ $2.996E-12$ 844.612E r_239E r_1 $2.627E-10$ $2.667E-10$ $2.739E-12$ 85 $4.667E$ r_2 $1.303E$ r_2 $2.667E-10$ $2.739E-12$ 86 $4.723E$ r_2 $1.303E$ r_2 $2.667E-10$ $2.739E-12$ 87 $4.737E$ r_2 $1.317E$ r_2 $2.667E-10$ $2.739E-12$ 88 $4.83E$ r_2 $1.324E$ r_2 $2.67E-10$ $2.615E-12$ 87 $4.899E$ r_2 $1.331E$ r_2 $2.774E-10$ $2.615E-12$ 91 $4.999F$ r_2 $1.332E$ r_2 $2.837E-10$ $2.486E-12$ 92 $5.755E$ r_2 $1.344E$ r_2 $2.837E-10$ $2.486E-12$ 93 $5.110E$ r_2 $1.342E$ r_2 $2.954E-10$ $2.297E-12$ 94 $5.165E$ r_2 $1.342E$ r_2 $2.954E-10$ $2.243E-12$ 95 $5.221E$ r_2 $1.377E$ r_2 $3.009E-10$ $2.243E-12$ 95 $5.387E$ r_2 $1.395E$ r_2 $3.032E-10$ $2.974E-12$ 95 $5.387E$ r_2 $1.377E$ r_2 $3.062E-10$ $1.072E-12$ 96 $5.387E$ r_2 $1.377E$ r_2 $3.628E-10$ $2.119E-12$ 97 $5.331E$ r_2 $1.477E$ r_2 $3.62E$	CHANNI	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
824.501E $C2$ 1.200E CC 1.126E-C22.501E-C12.906E-12 83 4.557E $C2$ 1.290E CC 2.603E-102.739E-12 84 4.612E $C2$ 1.303E CC 2.601E-102.739E-12 86 4.723E $C2$ 1.303E CC 2.601E-102.739E-12 86 4.839E $C2$ 1.317E CC 2.719E-102.615E-12 87 4.889E $C2$ 1.334E CC 2.807E-102.615E-12 94 4.899F $C2$ 1.334E CC 2.807E-102.486E-12 92 5.755E $C2$ 1.345E CC 2.807E-102.486E-12 93 5.110E $C2$ 1.346E CC 2.807E-102.486E-12 93 5.110E $C2$ 1.346E CC 2.807E-102.486E-12 93 5.110E $C2$ 1.346E CC 2.807E-102.297E-12 94 5.165E $C2$ 1.346E CC 2.982E-102.297E-12 95 5.221E $C2$ 1.352E CC 2.982E-102.243E-12 95 5.387E $C2$ 1.365E CC 3.009E-102.243E-12 96 5.387E $C2$ 1.364E CC 3.062E-101.019E-12 100 5.492E $C2$ 1.371E CC 3.062E-101.019E-12 101 5.553E $C2$ 1.472E CC 3.117E-102.041E-12 102 5.603E $C2$ 1.472E CC 3	91	4.446E C2	1.282E 00		2.548E-10	
B3 4.557E 1.253E CO 2.603E-10 P4 4.612E C1 1.303E CC 2.627E-10 B5 4.667E 02 1.303E CC 2.60FE-10 2.739E-12 P6 4.723E C2 1.317E CC 2.60FE-10 2.739E-12 P6 4.723E C2 1.317E CC 2.60FE-10 2.615E-12 P6 4.738E C2 1.324E CC 2.774E-10 2.615E-12 P6 4.699E C2 1.338E CC 2.802E-10 2.615E-12 P6 4.699E C2 1.344E CC 2.802E-10 2.486E-12 P6 5.165E C2 1.344E CC 2.892E-10 2.297E-12 P6 5.165E C2 1.346E CC 2.954E-10 2.0297E-12 P7 5.331E C2 1.377E C7 7.454E-73 3.009E-10 2.243E-12 P7 5.331E C2 1.377E C7 7.454E-73 3.03EE-10 2.119E-12 P7 5.331E <td>92</td> <td>4.501E C2</td> <td>1.288E 0C</td> <td>1.126E-02</td> <td>2.581E-10</td> <td>2.906E-12</td>	92	4.501E C2	1.288E 0C	1.126E-02	2.581E-10	2.906E-12
P44.612E $1.269E$ CC $2.627E-10$ 854.667E $1.303E$ CC $1.030E-02$ $2.6607E-10$ $2.739E-12$ 86 $4.723E$ $C2$ $1.305E$ CC $2.601E-10$ $2.739E-12$ 87 $4.778E$ $C2$ $1.317E$ $0C$ $2.719E-10$ $2.615E-12$ 88 $4.833E$ $C2$ $1.324E$ CC $9.521F-03$ $2.774E-10$ $2.615E-12$ 91 $4.999F$ 02 $1.331E$ 00 $2.774E-10$ $2.615E-12$ 91 $4.999F$ $1.345E$ CC $8.785E-03$ $2.837E-10$ $2.486E-12$ 92 $5.655E$ $C2$ $1.344E$ CC $2.892E-10$ $2.297E-12$ 93 $5.110E$ $C2$ $1.346E$ CC $2.982E-10$ $2.922E-12$ 94 $5.165E$ $C2$ $1.346E$ CC $2.982E-10$ $2.297E-12$ 95 $5.221E$ $C2$ $1.362E$ CC $2.982E-10$ $2.297E-12$ 96 $5.276E$ $C2$ $1.362E$ CC $3.062E-10$ $2.243E-12$ 97 $5.331E$ $C2$ $1.391E$ CC $3.062E-10$ $2.119E-12$ 96 $5.442E$ $C2$ $1.391E$ CC $3.662E-10$ $2.041E-12$ 97 $5.331E$ $C2$ $1.47E$ CC $3.26E-10$ $2.041E-12$ 98 $5.492E$ $C2$ $1.47E$ CC $3.231E-10$ $2.041E-12$ 95 $5.774E$ $C2$ $1.407E$ CC $3.238E-10$ $1.727E-12$ <t< td=""><td><u>8</u>3</td><td>4.557E ^2</td><td>1.293E 00</td><td></td><td>2.603E-10</td><td></td></t<>	<u>8</u> 3	4.557E ^2	1.293E 00		2.603E-10	
85 4.667E 02 1.303E 0C 1.030E-02 2.667E-10 2.739E-12 86 4.723E 02 1.317E 0C 2.719E-10 2.719E-10 87 4.833E 02 1.324E 0C 9.521E-03 2.747E-10 2.615E-12 86 4.869E 02 1.334E 0C 2.807E-10 2.615E-12 90 4.944E 02 1.334E 0C 2.807E-10 2.486E-12 91 4.999F 02 1.345E 0C 8.785E-03 2.837E-10 2.486E-12 92 5.055E 02 1.344E 0C 2.892E-10 2.486E-12 93 5.105E 02 1.346E 0C 2.9923E-10 2.297E-12 94 5.165E 02 1.346E 0C 2.982E-10 2.954E-10 94 5.165E 02 1.377E 0C 7.454E-03 3.009E-10 2.243E-12 95 5.221E 02 1.377E 0C 7.454E-03 3.062E-10 3.036E-10 96 5.442E 02 1.396E 0C 6.862E-03 3.036E-10 2.041E-12 101 5.553E 02 1.407E 0C 3.117E-10 2.041E-12 1.75555E 02 3.204E-10 102 5.608E 02 </td <td>ρ4</td> <td>4.612E ∩2</td> <td>1.298E CC</td> <td></td> <td>2.627E-10</td> <td></td>	ρ4	4.612E ∩2	1.298E CC		2.627E-10	
P64.723EC21.3C5ECC2.691E-10R74.778EC21.317E0C2.719E-10884.833EC21.324ECC2.7747E-10964.869EC21.331E002.7747E-10974.999F021.345E0C2.807E-10914.999F021.344E0C2.807E-10925.755E021.344E0C2.807E-10935.110E021.346E0C2.892E-10945.165E021.346E0C2.9954E-10955.221E021.352E0C2.992E-10945.165E021.377E0C7.4558E-03955.221E021.352E0C2.992E-10945.165E021.377E0C7.454E-03955.221E021.377E0C7.454E-03965.422E021.391E0C3.062E-10975.331E021.391E0C3.062E-10985.442E021.396E0C6.427E-03955.442E021.407E0C3.204E-10965.523E021.407E0C3.231E-10975.533E021.417E0C3.204E-10985.442E021.402E0C3.231E-10955.774E021.417E0C3.245E-10955.774E1.407E0C </td <td>85</td> <td>4.667E 02</td> <td>1.303E CC</td> <td>1.030E-02</td> <td>2.66°E-10</td> <td>2.7396-12</td>	85	4.667E 02	1.303E CC	1.030E-02	2.66°E-10	2.7396-12
A74.778EC21.317ECC2.719E-10844.833EC21.324ECC9.521E-032.774E-10964.869EC21.331ECC2.802E-10914.999E021.345ECC8.785E-032.837E-10925.755EC21.344ECC2.861E-10935.110E021.344ECC2.892E-10945.165EC21.346ECC2.923E-10955.221E021.352ECC2.982E-10965.276EC21.366ECC2.982E-10975.331E021.377ECC7.454E-03985.237E021.396ECC3.062E-10975.331E021.391ECC3.062E-10985.387E021.477ECC3.117E-10995.442E021.396ECC3.062E-101005.497E1.439ECC3.117E-101025.608E021.417ECC3.117E-101035.663E021.420ECC3.204E-101045.744E021.420ECC3.238E-101055.774E1.400EC5.521E-033.268E-101065.829E1.427ECC5.174E-033.338E-101075.863E021.427ECC3.268E-101186.161E021.427ECC5.174E-033.338E-10 <t< td=""><td>8 6</td><td>4.723E C2</td><td>1.309E CC</td><td></td><td>2.691E-10</td><td></td></t<>	8 6	4.723E C2	1.309E CC		2.691E-10	
8A4.83E $?2$ 1.324E CC $9.521F-03$ $2.747F-10$ $2.615E-12$ 8G4.889E $r2$ 1.331E $r00$ $2.872F-10$ $2.615E-12$ 914.999F $r2$ 1.3345E $r00$ $2.872F-10$ $2.486E-12$ 925.755E $r2$ 1.344E $r00$ $2.882F-10$ $2.486E-12$ 93 $5.110F-2$ 1.344E $r00$ $2.892F-10$ $2.992E-10$ 94 $5.165E$ $r2$ 1.345E $r00$ $2.992E-10$ 95 $5.221E-02$ 1.346E $r00$ $2.992E-10$ $2.297E-12$ 95 $5.221E-02$ 1.345E $r00$ $2.992E-10$ $2.243E-12$ 95 $5.221E-02$ 1.345E $r00$ $2.992E-10$ $2.243E-12$ 96 $5.387E-02$ 1.365E $r00$ $2.992E-10$ $2.243E-12$ 97 $5.331E-02$ 1.372E $r00$ $3.062E-10$ $2.243E-12$ 98 $5.387E-02$ 1.391E $r00$ $3.062E-10$ $2.119E-12$ 101 $5.532E-12$ 1.391E $r00$ $3.17E-10$ $2.041E-12$ 102 $5.698E-02$ 1.407E $r00$ $3.211F-10$ $2.041E-12$ 103 $5.663E-02$ 1.407E $r00$ $3.231E-10$ $1.799E-12$ 104 $5.7474E-72$ $1.402E-00$ $3.285E-10$ $1.799E-12$ 105 $5.747E-72$ $1.402E-00$ $3.338E-10$ $1.772F-12$ 106 $5.829E-72$ $1.4472E-00$ $3.338E-10$ $1.727E-12$ 107 $5.845E-72$ $1.447E-70$ <td>87</td> <td>4.778E C2</td> <td>1.317E 0C</td> <td></td> <td>2.719E-10</td> <td></td>	87	4.778E C2	1.317E 0C		2.719E-10	
864.885E(?2)1.331E(?0)2.774E-10914.944E(?2)1.338E(?)2.802E-102.486E-12925.755E(?)1.344E(?)2.861E-102.486E-12935.110E(?)1.344E(?)2.861E-102.297E-12945.165E(?)1.344E(?)2.992E-102.297E-12955.221E(?)1.352E(?)2.992E-102.297E-12965.276E(?)1.352E(?)2.982E-102.243E-12975.331E(?)1.377E(?)7.454E-033.009E-102.243E-12985.387E(?)1.395E(?)3.062E-103.062E-10975.331E(?)1.395E(?)3.009E-102.243E-12985.387E(?)1.395E(?)3.009E-102.243E-12995.442E(?)1.395E(?)3.062E-101.19E-121015.553E(?)1.395E(?)3.117E-102.041E-121025.608E(?)1.417E(?)3.231E-102.041E-121035.663E(?)1.417E(?)3.231E-101.799E-121045.791E(?)3.231E-103.238E-101.727E-121055.774E(?)1.402E(?)3.238E-101.727E-121055.940F(?)1.443E(?)3.338E-101.727E-121075.855E(?)1.443E <td>អូអ</td> <td>4.833E ^2</td> <td>1.324E CC</td> <td>9.521E-03</td> <td>2.747E-10</td> <td>2.615E-12</td>	អូអ	4.833E ^2	1.324E CC	9.521E-03	2.747E-10	2.615E-12
q_0 4.944EC21.338ECC2.802E-10 q_1 4.999F021.345ECC8.785E-032.830E-10 q_2 5.055EC21.344ECC2.892E-10 q_3 5.110E021.346ECC2.992E-10 q_4 5.165EC21.352E0C2.992E-10 q_5 5.221E021.352E0C2.992E-10 q_5 5.221E021.352E0C2.992E-10 q_7 5.331E021.377E0C7.454E-03 q_9 5.442EC21.396E0C3.03EE-10 q_9 5.442EC21.396E0C3.03EE-10 q_9 5.442EC21.396E0C3.03EE-10 q_9 5.442EC21.396E0C3.03EE-10 q_1 5.553EC21.407E0C3.117E-10 q_2 5.608E021.417E0C3.204E-10 q_2 5.608E021.420E0C3.231E-10 q_2 5.608E021.420E0C3.231E-10 q_2 5.942E021.400E0C3.2358E-10 q_2 5.942E021.420E0C3.2358E-10 q_2 5.942E021.420E0C3.2358E-10 q_2 5.942E021.420E0C3.338E-10 q_2 5.942E021.420E0C3.338E-10 q_2 5.942E1.4402E0C <td< td=""><td>85</td><td>4.889E C2</td><td>1.331E 00</td><td></td><td>2.774E-10</td><td></td></td<>	85	4.889E C2	1.331E 00		2.774E-10	
914.999F0.21.345E0.C8.785E-032.830E-102.486E-12925.055E0.21.344E0.02.861E-102.861E-10935.110E0.21.344E0.02.892E-102.892E-10945.165E0.21.352E0.02.993E-102.297E-12955.221E0.21.352E0.02.993E-102.297E-12965.276E0.21.352E0.02.982E-102.243E-12975.331E0.21.377E0.03.036E-102.243E-12985.387E0.21.396E0.03.036E-102.119E-121015.497E0.21.407E0.03.062E-102.119E-121015.653E0.21.407E0.03.146E-102.041E-121025.608E0.21.417E0.03.204E-102.041E-121035.663E0.21.407E0.03.231E-102.041E-121045.719E0.21.417E0.03.231E-101.799E-121055.774E1.402E0.03.238E-101.727E-121065.892E0.21.402E0.03.338E-101.727E-121075.895E0.21.427E0.03.338E-101.727E-121166.161E0.21.443E0.03.399E-101.696E-121126.161E0.21.476E0.03.430E-101.696E-121136.216F0.2 <td>90</td> <td>4.944E C2</td> <td>1.338E CC</td> <td></td> <td>2.802E-10</td> <td></td>	90	4.944E C2	1.338E CC		2.802E-10	
92 $5.055E$ 02 $1.344E$ 00 $2.861E-10$ 94 $5.165E$ 02 $1.344E$ 00 $2.892E-10$ $2.297E-12$ 95 $5.221E$ 02 $1.352E$ 00 $2.993E-10$ $2.297E-12$ 95 $5.221E$ 02 $1.352E$ 00 $2.993E-10$ $2.293E-10$ 96 $5.276E$ 02 $1.352E$ 00 $2.9982E-10$ 97 $5.331E$ 02 $1.377E$ 00 $7.454E-03$ $3.009E-10$ 97 $5.331E$ 02 $1.395E$ 00 $3.03E-10$ 99 $5.442E$ 02 $1.396E$ 00 $3.068E-10$ 99 $5.442E$ 02 $1.396E$ 00 $3.068E-10$ 100 $5.698E$ 02 $1.407E$ 00 $3.117E-10$ 102 $5.608E$ 02 $1.417E$ 00 $3.146E-10$ 103 $5.663E$ 02 $1.417E$ 00 $3.231E-10$ 105 $5.774E$ 02 $1.417E$ 00 $3.231E-10$ 106 $5.829E$ 02 $1.402E$ 00 $3.285E-10$ 107 $5.865E$ 02 $1.472E$ 00 $3.338E-10$ $1.727E-12$ $1.472E$ 00 $3.338E-10$ $1.727E-12$ 107 $5.895E$ 02 $1.472F$ 00 $3.338E-10$ 116 $6.161E$ 02 $1.476E$ 00 $3.3399E-10$ 112 $6.161E$ 02 $1.476E$ 00 $3.640E-10$ 114	91	4.999F 02	1.345E CC	8.785E-03	2.830E-10	2.486E-12
93 $5.110E$ 12 $1.344E$ $0C$ $2.892E-10$ $2.297E-12$ 94 $5.165E$ 02 $1.352E$ $0C$ $2.923E-10$ $2.297E-12$ 95 $5.221E$ 02 $1.352E$ $0C$ $2.982E-10$ 96 $5.276E$ 02 $1.377E$ $0C$ $7.454E-03$ $3.009E-10$ $2.243E-12$ 97 $5.331E$ 02 $1.377E$ $0C$ $7.454E-03$ $3.009E-10$ $2.243E-12$ 98 $5.387E$ 02 $1.391E$ $0C$ $3.036E-10$ $2.243E-12$ 98 $5.387E$ 02 $1.391E$ $0C$ $3.036E-10$ $2.119E-12$ 100 $5.497E$ 02 $1.477E$ $0C$ $3.117E-10$ $2.041E-12$ 101 $5.553E$ 02 $1.447E$ $0C$ $3.146E-10$ $1.799E-12$ 102 $5.608E$ 02 $1.447E$ $0C$ $3.204E-10$ $1.799E-12$ 103 $5.663E$ 02 $1.420E$ $0C$ $3.231E-10$ $1.799E-12$ 104 $5.774E$ 02 $1.447E$ $0C$ $3.285E-10$ $1.799E-12$ 107 $5.895E$ 02 $1.402E$ $0C$ $3.338E-10$ $1.727E-12$ 107 $5.895E$ 02 $1.472F$ $0C$ $3.338E-10$ $1.727E-12$ 108 $5.975E$ 02 $1.472F$ $0C$ $3.3399E-10$ $1.696E-12$ 119 $6.161E$ 02 $1.476E$ $0C$ $3.430E-10$ $1.696E-12$ 112 $6.161E$ 02 $1.476E$ $0C$ $3.597E$	92	5.055E C2	1.344E CC		2.861E-10	
94 $5.165E$ $C2$ $1.346E$ $C2$ $7.858E-C3$ $2.923E-10$ $2.297E-12$ 95 $5.221E$ $C2$ $1.352E$ $C0$ $2.982E-10$ $2.982E-10$ 97 $5.331E$ $C2$ $1.377E$ CC $7.454E-C3$ $3.009E-10$ $2.243E-12$ 98 $5.287E$ $C2$ $1.377E$ CC $7.454E-C3$ $3.009E-10$ $2.243E-12$ 98 $5.287E$ $C2$ $1.391E$ CC $3.03EE-10$ $2.119E-12$ 99 $5.442E$ $C2$ $1.391E$ CC $3.062E-10$ $2.119E-12$ 101 $5.553E$ $C2$ $1.417E$ CC $3.117E-10$ $2.041E-12$ 102 $5.608E$ 02 $1.417E$ CC $3.204E-10$ $2.041E-12$ 103 $5.663E$ 02 $1.417E$ CC $3.231E-10$ $1.799E-12$ 104 $5.714E$ $C2$ $1.402E$ $0C$ $3.231E-10$ $1.799E-12$ 105 $5.774E$ $C2$ $1.402E$ $0C$ $3.231E-10$ $1.799E-12$ 106 $5.829E$ $C2$ $1.402E$ $0C$ $3.238E-10$ $1.727E-12$ 107 $5.845E$ 02 $1.4472E$ $0C$ $3.338E-10$ $1.727E-12$ 108 $5.94CE$ 02 $1.4472E$ $0C$ $3.338E-10$ $1.727E-12$ 107 $5.845E$ 02 $1.472E$ $0C$ $3.338E-10$ $1.727E-12$ 116 $6.161E$ 02 $1.473E$ $0C$ $3.430E-10$ $1.696E-12$ 112 $6.161E$ 02 <td>٩3</td> <td>5.110E 02</td> <td>1.344E CC</td> <td></td> <td>2.892E-10</td> <td></td>	٩3	5.110E 02	1.344E CC		2.892E-10	
955.221E021.352E002.954E-10965.276E621.366E002.982E-10975.331E021.377E007.454E-03 $3.009E-10$ 2.243E-12985.387E021.391E00 $3.062E-10$ $3.062E-10$ 995.442E021.396E00 $6.862E-03$ $3.069E-10$ $2.119E-12$ 1015.553E021.407E00 $3.117E-10$ $2.041E-12$ 1025.608E021.417E00 $3.204E-10$ $2.041E-12$ 1035.663E021.417E00 $3.231E-10$ $1.799E-12$ 1055.774E021.400E00 $3.231E-10$ $1.799E-12$ 1065.829E021.402E00 $3.268E-10$ $1.799E-12$ 1075.885E021.402E00 $3.311E-10$ $1.727E-12$ 1085.940E021.442E00 $3.338E-10$ $1.727E-12$ 1095.969E021.442E00 $3.368E-10$ $1.727E-12$ 1106.751E021.443E00 $3.368E-10$ $1.696E-12$ 1116.161E021.466E 00 $3.430E-10$ $1.696E-12$ 1126.161E021.476E 00 $3.517E-10$ $1.554E-12$ 1146.272E02 $1.476E$ 00 $3.577E-10$ $1.574E-12$ 115 $6.327F$ 02 $1.476E$ 00 $3.577E-10$ $1.383E-12$ <t< td=""><td>94</td><td>5.165E C2</td><td>1.346E CO</td><td>7.858E-03</td><td>2.923E-10</td><td>2.297E-12</td></t<>	94	5.165E C2	1.346E CO	7.858E-03	2.923E-10	2.297E-12
965.276E (2) 1.366E (2) $(2,377E)$ $(3,377E)$ $(3$	95	5.221E 02	1.352E 00		2.954E-10	
97 $5.331E$ $1.377E$ 0.0 $7.454E-0.3$ $3.009E-10$ $2.243E-12$ 98 $5.387E$ 0.2 $1.385E$ 0.0 $3.036E-10$ $3.036E-10$ 100 $5.497E$ 0.2 $1.391E$ 0.0 $3.062E-10$ $2.119E-12$ 101 $5.553E$ 0.2 $1.407E$ 0.0 $3.17E-10$ $2.119E-12$ 101 $5.553E$ 0.2 $1.407E$ 0.0 $3.17E-10$ $2.041E-12$ 102 $5.608E$ 0.2 $1.417E$ 0.0 $3.175E-10$ $2.041E-12$ 103 $5.663E$ 0.2 $1.442E$ 0.0 $3.204E-10$ $3.204E-10$ 105 $5.774E$ 0.2 $1.402E$ 0.0 $3.231E-10$ $1.799E-12$ 105 $5.774E$ 0.2 $1.402E$ 0.0 $3.285E-10$ $1.799E-12$ 106 $5.829E$ 0.2 $1.402E$ 0.0 $3.285E-10$ $1.799E-12$ 107 $5.885E$ 0.2 $1.402E$ 0.0 $3.338E-10$ $1.727E-12$ 108 $5.940E$ 0.2 $1.427E$ 0.0 $3.338E-10$ $1.727E-12$ 109 $5.959E$ 0.2 $1.443E$ 0.0 $3.338E-10$ $1.727E-12$ 110 $6.751E$ 0.2 $1.443E$ 0.0 $3.399E-10$ $1.696E-12$ 112 $6.161E$ 0.2 $1.476E$ 0.0 $3.40E-10$ $1.696E-12$ 113 $6.216E$ 0.2 $1.477E$ 0.0 $3.517E-10$ $1.554E-12$ 114 $6.372E$ 0.2 $1.460E$ <td< td=""><td>٩6</td><td>5.276E C2</td><td>1.366E CC</td><td></td><td>2.982E-10</td><td></td></td<>	٩6	5.276E C2	1.366E CC		2.982E-10	
98 $5.387E$ 02 $1.385E$ 00 $3.036E-10$ 99 $5.442E$ $1.391E$ 00 $6.862E-03$ $3.062E-10$ 100 $5.497E$ $1.396E$ 00 $6.862E-03$ $3.089E-10$ 101 $5.553E$ $1.407E$ 00 $3.117E-10$ 102 $5.608E$ 02 $1.417E$ 00 $3.146E-10$ 103 $5.663E$ 02 $1.417E$ 00 $3.175E-10$ $2.041E-12$ 103 $5.663E$ 02 $1.417E$ 00 $3.204E-10$ 105 $5.774E$ 02 $1.400E$ 00 $3.231E-10$ 106 $5.829E$ 02 $1.400E$ 00 $3.231E-10$ 106 $5.829E$ 02 $1.400E$ 00 $3.285E-10$ 107 $5.885E$ 02 $1.402E$ 00 $3.338E-10$ 108 $5.940E$ 02 $1.427E$ 00 $3.338E-10$ 109 $5.995E$ 02 $1.427E$ 00 $3.338E-10$ 109 $5.995E$ 02 $1.427E$ 00 $3.3399E-10$ 111 $6.106E$ 02 $1.459E$ 00 $3.430E-10$ 112 $6.216E$ 02 $1.476E$ 00 $3.4461E-10$ 113 $6.22EF$ 02 $1.477E$ 00 $3.517E-10$ 114 $6.272E$ 02 $1.477E$ 00 $3.597E-10$ 115 $6.327E$ 02 $1.467E$ 00 $3.597E-10$ 116 $6.493E$ 02 $1.467E$ 00 $3.623E-10$ <tr<< td=""><td>97</td><td>5.331E C2</td><td>1.377E CC</td><td>7.454E-03</td><td>3.009E-10</td><td>2.243E-12</td></tr<<>	97	5.331E C2	1.377E CC	7.454E-03	3.009E-10	2.243E-12
99 $5.442E$ $1.391E$ CC $3.062E-10$ 100 $5.497E$ $C2$ $1.396E$ $C0$ $6.862E-03$ $3.089E-10$ $2.119E-12$ 101 $5.553E$ $C2$ $1.407E$ $0C$ $3.117E-10$ $3.117E-10$ 102 $5.608E$ 02 $1.417E$ $0C$ $3.146E-10$ 103 $5.663E$ 02 $1.420E$ $0C$ $3.204E-10$ 104 $5.719E$ 02 $1.417E$ $0C$ $3.204E-10$ 105 $5.774E$ $C2$ $1.405E$ $0C$ $3.231E-10$ 106 $5.829E$ 02 $1.402E$ $0C$ $3.285E-10$ 107 $5.885E$ 02 $1.402E$ $0C$ $3.285E-10$ 108 $5.940E$ 02 $1.427E$ $0C$ $3.311E-10$ 109 $5.995E$ 02 $1.427E$ $0C$ $3.338E-10$ 109 $5.995E$ 02 $1.427E$ $0C$ $3.338E-10$ 110 $6.161E$ 02 $1.443E$ 00 $3.3399E-10$ 111 $6.161E$ 02 $1.469E$ $0C$ $4.944E-03$ $3.430E-10$ 112 $6.161E$ 02 $1.476E$ $0C$ $3.540E-10$ $1.554E-12$ 113 $6.216E$ 02 $1.476E$ $0C$ $3.547E-10$ $1.554E-12$ 114 $6.327E$ 02 $1.466E$ $0C$ $3.577E-10$ $1.383E-12$ 1116 $6.382E$ 02 $1.466E$ $0C$ $3.623E-10$ $3.623E-10$ 112 $6.468E$ 02 $1.477E$ $0C$	98	5.387E 02	1.385E 0C		3.036E-10	
100 $5.497E$ $1.396E$ 00 $6.862E-03$ $3.089E-10$ $2.119E-12$ 101 $5.553E$ 02 $1.407E$ 00 $3.117E-10$ $3.117E-10$ 102 $5.608E$ 02 $1.417E$ 00 $3.175E-10$ $2.041E-12$ 103 $5.663E$ 02 $1.420E$ 00 $6.427E-03$ $3.175E-10$ $2.041E-12$ 104 $5.719E$ 02 $1.417E$ 00 $3.204E-10$ $2.041E-12$ 105 $5.774E$ 02 $1.402E$ 00 $3.231E-10$ $1.799E-12$ 106 $5.829E$ 02 $1.402E$ 00 $3.285E-10$ $1.799E-12$ 107 $5.865E$ 02 $1.402E$ 00 $3.285E-10$ $1.799E-12$ 108 $5.940E$ 02 $1.427E$ 00 $3.338E-10$ $1.727E-12$ 107 $5.8595E$ 02 $1.427E$ 00 $3.338E-10$ $1.727E-12$ 108 $5.995E$ 02 $1.443E$ 00 $3.338E-10$ $1.727E-12$ 110 $6.161E$ 02 $1.443E$ 00 $3.399E-10$ $1.696E-12$ 112 $6.161E$ 02 $1.473E$ 00 $3.430E-10$ $1.696E-12$ 113 $6.216E$ 02 $1.477E$ 00 $3.517E-10$ $1.554E-12$ 116 $6.382E$ 02 $1.473E$ 00 $3.597E-10$ $1.383E-12$ 116 $6.492E$ 02 $1.467E$ 00 $3.623E-10$ $1.383E-12$ 114 $6.548E$ 0	99	5.442E C2	1.391E CC		3.062E-10	
$1 \cap 1$ $5.553E$ $1.407E$ $1.607E$ $3.117E-10$ 102 $5.608E$ 02 $1.417E$ $0C$ $3.146E-10$ 103 $5.663E$ 02 $1.420E$ $0C$ $6.427E-03$ $3.175E-10$ $2.041E-12$ 104 $5.719E$ 02 $1.417E$ $0C$ $3.204E-10$ $3.204E-10$ 105 $5.774E$ 02 $1.402E$ $0C$ $3.231E-10$ 106 $5.829E$ 02 $1.402E$ $0C$ $3.285E-10$ 107 $5.885E$ 02 $1.402E$ $0C$ $3.285E-10$ 108 $5.940E$ 02 $1.427E$ $0C$ $3.311E-10$ 109 $5.995E$ 02 $1.427E$ $0C$ $3.331E-10$ 109 $5.995E$ $1.427E$ $0C$ $3.338E-10$ $1.727E-12$ 110 $6.751E$ 02 $1.443E$ 00 $3.338E-10$ $1.727E-12$ 111 $6.161E$ 02 $1.443E$ $0C$ $3.399E-10$ $1.696E-12$ 112 $6.161E$ 02 $1.443E$ $0C$ $3.430E-10$ $1.696E-12$ 112 $6.161E$ 02 $1.476E$ $0C$ $3.430E-10$ $1.554E-12$ 114 $6.272E$ 02 $1.476E$ $0C$ $3.517E-10$ $1.554E-12$ 116 $6.382E$ 02 $1.466E$ 00 $3.597E-10$ $1.383E-12$ 116 $6.493E$ 02 $1.467E$ $0C$ $3.622E-10$ $1.383E-12$ 119 $6.548E$ 02 $1.477E$ $0C$ 3.6	100	5.497E C2	1.396E 00	6.P62E-03	3.089E-10	2.119E-12
102 $5.608E$ 02 $1.417E$ $0C$ $3.146E-10$ 103 $5.663E$ 02 $1.42CE$ $0C$ $6.427E-03$ $3.175E-10$ $2.041E-12$ 104 $5.719E$ 02 $1.417E$ $0C$ $3.204E-10$ $3.204E-10$ 105 $5.774E$ 02 $1.40CE$ $0C$ $3.231E-10$ 106 $5.829E$ 02 $1.40CE$ $0C$ $3.231E-10$ 106 $5.829E$ 02 $1.40CE$ $0C$ $3.231E-10$ 107 $5.885E$ 02 $1.402E$ $0C$ $3.285E-10$ 108 $5.94CE$ 02 $1.427E$ $0C$ $3.311E-10$ 109 $5.995E$ 02 $1.427E$ $0C$ $3.338E-10$ 109 $5.995E$ 02 $1.427E$ $0C$ $3.338E-10$ 110 $6.751E$ 02 $1.443E$ 00 $3.3399E-10$ 111 $6.161E$ 02 $1.469E$ $0C$ $4.944E-03$ 112 $6.161E$ 02 $1.479E$ $0C$ $3.430E-10$ 112 $6.161E$ 02 $1.479E$ $0C$ $3.490E-10$ 114 $6.272E$ 02 $1.477E$ $0C$ $3.517E-10$ 115 $6.327E$ 02 $1.466E$ 00 $3.597E-10$ 117 $6.438E$ 02 $1.467E$ $0C$ $3.623E-10$ 117 $6.493E$ 02 $1.477E$ $0C$ $3.623E-10$ 119 $6.548E$ 02 $1.477E$ $0C$ $3.623E-10$ 120 <	101	5.553E C2	1.407E 00		3.117E-10	
103 $5.663E$ 02 $1.42CE$ $0C$ $6.427E-03$ $3.175E-10$ $2.041E-12$ 104 $5.719E$ 02 $1.417E$ $0C$ $3.204E-10$ $3.204E-10$ 105 $5.774E$ 02 $1.405E$ $0C$ $3.231E-10$ 106 $5.829E$ 02 $1.400E$ $0C$ $5.521E-03$ $3.258E-10$ 107 $5.885E$ 02 $1.402E$ $0C$ $3.285E-10$ 107 $5.895E$ 02 $1.402E$ $0C$ $3.311E-10$ 108 $5.940E$ 02 $1.427E$ $0C$ $3.338E-10$ $1.727E-12$ 109 $5.995E$ 02 $1.427E$ $0C$ $3.338E-10$ $1.727E-12$ 110 $6.051E$ 02 $1.443E$ 00 $3.368E-10$ $1.727E-12$ 111 $6.166E$ 02 $1.469E$ $0C$ $4.944E-03$ $3.430E-10$ $1.696E-12$ 112 $6.161E$ 02 $1.476E$ 00 $3.440E-10$ $1.696E-12$ 112 $6.216E$ 02 $1.477E$ $0C$ $3.440E-10$ $1.554E-12$ 114 $6.272E$ 02 $1.477E$ $0C$ $3.517E-10$ $1.554E-12$ 116 $6.382E$ 02 $1.467E$ 00 $3.597E-10$ $1.383E-12$ 117 $6.438E$ 02 $1.477E$ $0C$ $3.623E-10$ $1.383E-12$ 119 $6.548E$ 02 $1.477E$ $0C$ $3.650E-10$ 120 $6.604E$ 02 $1.505E$ 00 $3.650E-10$ <td>102</td> <td>5.608E 02</td> <td>1.417E CC</td> <td></td> <td>3.146E-10</td> <td></td>	102	5.608E 02	1.417E CC		3.146E-10	
1^{4} $5.719E$ 02 $1.417E$ 00 $3.204E-10$ 105 $5.774E$ 02 $1.405E$ 00 $3.231E-10$ 106 $5.829E$ 02 $1.400E$ 00 $3.231E-10$ 107 $5.885E$ 02 $1.402E$ 00 $3.285E-10$ 108 $5.940E$ 02 $1.413E$ 00 $3.311E-10$ 109 $5.995E$ 02 $1.427E$ 00 $3.338E-10$ $1.727E-12$ 110 $6.051E$ 02 $1.443E$ 00 $3.368E-10$ $1.727E-12$ 111 $6.166E$ 02 $1.469E$ 00 $3.399E-10$ $1.696E-12$ 112 $6.161E$ 02 $1.469E$ 00 $3.430E-10$ $1.696E-12$ 112 $6.161E$ 02 $1.476E$ 00 $3.440E-10$ $1.594E-12$ 114 $6.272E$ 02 $1.477E$ 00 $3.517E-10$ $1.554E-12$ 116 $6.382E$ 02 $1.466E$ 00 $3.570E-10$ $1.383E-12$ 117 $6.438E$ 02 $1.477E$ 00 $3.623E-10$ $1.383E-12$ 119 $6.548E$ 02 $1.477E$ 00 $3.623E-10$ $3.650E-10$	103	5.663E 02	1.42CE 00	6.427E-03	3.175E-10	2.041E-12
105 $5.774E$ $1.4C5E$ 0° $3.231E-10$ 106 $5.829E$ 02 $1.40CE$ $0C$ $5.521E-03$ $3.258E-10$ 107 $5.885E$ 02 $1.402E$ $0C$ $3.285E-10$ 108 $5.94CF$ 02 $1.413E$ 00 $3.311E-10$ 109 $5.995E$ 02 $1.427F$ $0C$ $5.174E-03$ $3.338E-10$ 110 $6.051E$ 02 $1.443E$ 00 $3.368E-10$ 111 $6.166E$ 02 $1.469E$ $0C$ $4.944E-03$ $3.430E-10$ 112 $6.161E$ 02 $1.469E$ $0C$ $4.944E-03$ $3.430E-10$ 112 $6.161E$ 02 $1.476E$ $0C$ $3.461E-10$ 112 $6.216F$ 02 $1.477E$ $0C$ $3.517E-10$ 114 $6.272E$ 02 $1.477E$ $0C$ $3.544E-10$ 115 $6.327F$ 02 $1.477E$ $0C$ $3.597E-10$ 116 $6.382E$ 02 $1.467E$ $0C$ $3.623E-10$ 117 $6.438E$ 02 $1.477E$ $0C$ $3.623E-10$ 119 $6.548E$ 02 $1.477E$ $0C$ $3.623E-10$ 120 $6.604E$ 02 $1.575E$ $0C$ $3.650E-10$	104	5.719E C2	1.417E CC		3.204E-10	
106 $5.829E C2$ $1.40CE CC$ $5.521E-C3$ $3.258E-1C$ $1.799E-12$ 107 $5.885E C2$ $1.4C2E CC$ $3.285E-1C$ $3.285E-1C$ 108 $5.94CE C2$ $1.413E CC$ $3.311E-1C$ 109 $5.995E C2$ $1.427E CC$ $5.174E-C3$ $3.338E-1C$ 110 $6.051E C2$ $1.427E CC$ $5.174E-C3$ $3.338E-1C$ 111 $6.051E C2$ $1.443E CC$ $3.368E-1C$ 112 $6.161E C2$ $1.469E CC$ $3.399E-1C$ 112 $6.161E C2$ $1.469E CC$ $3.430E-1C$ 113 $6.216E C2$ $1.476E CC$ $3.461E-10$ 114 $6.272E C2$ $1.477E CC$ $4.419E-C3$ 115 $6.327E C2$ $1.477E CC$ $4.419E-C3$ 116 $6.382E C2$ $1.466E CC$ $3.570E-1C$ 117 $6.438E C2$ $1.467E CC$ $3.623E-10$ 118 $6.493E C2$ $1.477E CC$ $3.645E-13$ 120 $6.604E C2$ $1.477E CC$ $3.623E-10$ 121 $6.548E C2$ $1.477E CC$ $3.650E-10$	105	5.774E C2	1.405E 00		3.231E-10	
107 $5.885E$ 02 $1.402E$ 00 $3.285E-10$ 108 $5.940E$ 02 $1.413E$ 00 $3.311E-10$ 109 $5.995E$ 02 $1.427E$ 00 $3.338E-10$ $1.727E-12$ 110 $6.051E$ 02 $1.443E$ 00 $3.368E-10$ 111 $6.166E$ 02 $1.449E$ 00 $3.368E-10$ 112 $6.161E$ 02 $1.469E$ 00 $3.430E-10$ 112 $6.161E$ 02 $1.469E$ 00 $3.430E-10$ 112 $6.216E$ 02 $1.476E$ 00 $3.461E-10$ 114 $6.272E$ 02 $1.477E$ 00 $3.490E-10$ 115 $6.327E$ 02 $1.477E$ 00 $3.517E-10$ 116 $6.382E$ 02 $1.466E$ 00 $3.570E-10$ 117 $6.438E$ 02 $1.467E$ 00 $3.623E-10$ 118 $6.493E$ 02 $1.477E$ 00 $3.623E-10$ 120 $6.604E$ 02 $1.505E$ 00 $3.650E-10$	106	5.829E 02	1.40CE CC	5.521E-03	3.258E-10	1.799E-12
108 $5.94CF$ 02 $1.413E$ 01 $3.311E-10$ 109 $5.995E$ $C2$ $1.427F$ $0C$ $5.174E-03$ $3.338E-10$ $1.727E-12$ 110 $6.051E$ 02 $1.443E$ 00 $3.368E-10$ $3.368E-10$ 111 $6.166E$ 02 $1.459E$ $0C$ $3.399E-10$ 112 $6.161E$ 02 $1.469E$ $0C$ $4.944E-03$ $3.430E-10$ 112 $6.161E$ 02 $1.476E$ $0C$ $3.461E-10$ 113 $6.216F$ 02 $1.476E$ $0C$ $3.490E-10$ 114 $6.272E$ 02 $1.477E$ $0C$ $3.517E-10$ $1.554E-12$ 116 $6.382E$ 02 $1.466E$ 00 $3.570E-10$ $1.554E-12$ 116 $6.493E$ 02 $1.453E$ 00 $3.845E-03$ $3.597E-10$ $1.383E-12$ 119 $6.548E$ 02 $1.477E$ $0C$ $3.623E-10$ $3.650E-10$ 120 $6.604E$ 02 $1.505E$ 00 $3.650E-10$	107	5.885E C2	1.402E 00		3.285E-10	
109 5.995E C2 1.427F CC 5.174E-03 3.338E-10 1.727E-12 110 6.051E C2 1.443E 00 3.368E-10 3.368E-10 111 6.106E C2 1.459E CC 3.399E-10 112 6.161E 02 1.469E 0C 4.944E-03 3.430E-10 1.696E-12 112 6.161E 02 1.469E 0C 4.944E-03 3.440E-10 1.696E-12 113 6.216F 02 1.476E 0C 3.461E-10 1.696E-12 114 6.272E 02 1.476E 0C 3.490E-10 1.554E-12 115 6.327E 02 1.477E 0C 3.517E-10 1.554E-12 116 6.382E 02 1.466E 00 3.577E-10 1.383E-12 117 6.438E 02 1.467E 00 3.597E-10 1.383E-12 119 6.548E 02 1.477E 00 3.623E-10 1.383E-12 120 6.604E 02 1.505E 00 3.650E-10	108	5.94CE 02	1.413E CO		3.311E-10	
11° 6.051E021.443E003.36EF-10 111 6.106E021.459E003.399E-10 112 6.161E021.469E004.944E-033.430E-10 112 6.216F021.476E003.461E-10 114 6.272E021.476E003.490E-10 115 6.327E021.470E003.517E-101.554E-12 116 6.382E021.466E003.544E-10 117 6.438E021.467E003.570E-10 118 6.493E021.453E003.623E-10 120 6.604E021.505E003.650E-10	109	5.995E C2	1.427E CC	5.1746-03	3.338E-10	1.727E-12
111 6.106E 1.459E CC 3.399E-10 112 6.161E 02 1.469E CC 4.944E-03 3.430E-10 1.696E-12 113 6.216F 02 1.476E 00 3.461E-10 1.696E-12 114 6.272E 02 1.476E 00 3.461E-10 1.696E-12 114 6.272F 02 1.476E 00 3.490E-10 1.554E-12 115 6.327F 02 1.477F 00 3.517E-10 1.554E-12 116 6.382E 02 1.466E 00 3.577E-10 1.554E-12 117 6.438E 02 1.453E 00 3.597E-10 1.383E-12 118 6.493E 02 1.457E 00 3.623E-10 1.383E-12 119 6.548E 02 1.477E 00 3.623E-10 3.650E-10 120 6.604E 02 1.505E 00 3.650E-10 3.650E-10	110	6.051E 02	1.443E 00		3.368E-10	
112 6.161E 02 1.469E 00 4.944E-03 3.430E-10 1.696E-12 113 6.216E 02 1.476E 00 3.461E-10 3.461E-10 114 6.272E 02 1.476E 00 3.490E-10 1.554E-12 115 6.327E 02 1.477E 00 3.517E-10 1.554E-12 116 6.382E 02 1.466E 00 3.574E-10 1.554E-12 116 6.438E 02 1.466E 00 3.577E-10 1.383E-12 117 6.438E 02 1.453E 00 3.623E-10 1.383E-12 119 6.548E 02 1.477E 00 3.623E-10 3.650E-10 120 6.604E 02 1.505E 00 3.650E-10 3.650E-10	111	6.106E C2	1.459E CC		3.399E-10	
113 6.216F 02 1.476E 00 3.461E-10 114 6.272E 02 1.473E 00 3.490E-10 115 6.327E 02 1.477E 00 3.517E-10 1.554E-12 116 6.382E 02 1.466E 00 3.544E-10 1.554E-12 116 6.438E 02 1.466E 00 3.577E-10 1.383E-12 117 6.438E 02 1.453E 00 3.597E-10 1.383E-12 118 6.493E 02 1.453E 00 3.623E-10 1.383E-12 119 6.548E 02 1.575E 00 3.650E-10 120 6.604E 02 1.575E 00 3.650E-10	112	6.161E 02	1.469E 00	4.9446-03	3.430E-10	1.696E-12
114 6.272E 02 1.473E 00 3.490E-10 115 6.327E 02 1.470E 00 4.419E-03 3.517E-10 1.554E-12 116 6.382E 02 1.466E 00 3.544E-10 3.577E-10 117 6.438E 02 1.466E 00 3.577E-10 1.383E-12 118 6.493E 02 1.453E 00 3.623E-10 1.383E-12 119 6.548E 02 1.477E 00 3.623E-10 1.3850E-12 120 6.604E 02 1.505E 00 3.650E-10	112	6.216F 02	1.476E 00		3.461E-10	
115 6.327E 0.2 1.477E 0.0 4.419E-03 3.517E-10 1.554E-12 116 6.382E 0.2 1.466E 00 3.544E-10 117 6.438E 0.2 1.466E 00 3.577E-10 1.554E-12 117 6.438E 0.2 1.467E 0.0 3.577E-10 1.383E-12 118 6.493E 0.2 1.453E 0.0 3.623E-10 1.383E-12 119 6.548E 0.2 1.477E 0.0 3.623E-10 3.650E-10 120 6.604E 0.2 1.505E 0.0 3.650E-10 3.650E-10	114	6.272E C2	1.473E CC		3.490E-10	
116 6.382E 1.466E 00 3.544E+10 117 6.438E 02 1.460E 00 3.577E+10 118 6.493E 02 1.453E 10 3.845E+03 3.597E+10 1.383E+12 119 6.548E 02 1.477E 00 3.623E+10 3.623E+10 120 6.604E 02 1.505E 00 3.650E+10	115	6.727E C2	1.47CE CC	4.419E-03	3.517E-10	1.554E-12
117 6.438E 1.460E 0 3.570E+10 118 6.493E 02 1.453E 0 3.845E+03 3.597E+10 1.383E+12 119 6.548E 02 1.477E 00 3.623E+10 3.623E+10 120 6.604E 02 1.505E 00 3.650E+10	116	6.382E 12	1.466E 00		3.544E-10	
118 6.493E 02 1.453E 00 3.845E-03 3.597E-10 1.383E-12 119 6.548E 02 1.477E 00 3.623E-10 120 6.604E 02 1.505E 00 3.650E-10	117	6.438E C2	1.460E 00		3.57CE-10	
119 6.548E 02 1.477E 00 3.623E-10 120 6.604E 02 1.505E 00 3.650E-10	118	6.493E C2	1.453E CO	3.845E-03	3.597E-10	1.383E-12
120 6.604E 02 1.505E 00 3.650E-10	119	6.548E 02	1.477E 00		3.623E-10	
	120	6.604E 02	1.505E 00		3.650E-10	

CHANNEL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
121 6.659E C2 122 6.714E C2 123 6.77CE C2	1.523E 00 1.536E 00 1.532E 00	3.833E-03	3.676E-10 3.703E-10 3.729E-10	1.409E-12
124 6.825E C2 125 6.880E C2 126 6.936E 02	1.530E 00 1.529E 00	3.433E-03	3.756E-10 3.783E-10 3.809E-10	1.289E-12
127 6.991E C2 128 7.046E C2	1.527E CC 1.526E CO	3.053E-03	3.836E-10 3.868E-10	1.171E-12
130 7.157E 02 131 7.212E 02	1.528E 00 1.532E 00	2.697E-03	3.934E-10 3.967E-10	1.061E-12
132 7.323E 02 133 7.323E 02 134 7.378E 02	1.556E CQ 1.564E CQ	2.4926-03	4.022E-10 4.046E-10	1.002E-12
135 7.434E C2 136 7.489E C2 137 7.544E C2	1.570E 00 1.574E 00 1.575E 00	2.254E-03	4.071E-10 4.095E-10 4.123E-10	9.231E-13
138 7.600E 02 139 7.655E 02 140 7.710E 02	1.575E QC 1.577E QQ 1.58CE CQ	1.982E-03	4.152E-10 4.181E-10 4.209E-10	8.287E-13
141 7.766E C2 142 7.821E C2 143 7.876E C2	1.586E 00 1.592E 00 1.598E °0	1.779E-03	4.237E-10 4.261E-10 4.286E-10	7.579E-13
144 7.532E C2 145 7.987E C2 146 8.C42E C2	1.600E 00 1.595E 00 1.592E 00	1.5685-03	4.310E-10 4.334E-10 4.364E-10	6.796E-13
147 8.097E 02 148 8.153E 02 149 8.208E 02	1.583E CC 1.592E CC 1.607E CO	1.336E-03	4.395E-10 4.426E-10 4.457E-10	5.913E-13
150 8.263E C2 151 8.319E C2 152 8.374E C2	1.648E 00 1.677E 00	1.325E-03	4.486E-10 4.510E-10 4.535E-10	5.978E-13
153 8.429E 02 154 8.485E C2 155 8.540E C2	1.681E CO 1.675E OO	1.134E-03	4.559E-10 4.583E-10 4.609E-10	5.197E-13
156 8.595E C2 157 8.651E C2	1.697E CC 1.705E CC	1.012E-03	4.636E-10 4.662E-10	4.719E-13
159 8.761E 02 160 8.817E 02	1.713E CC 1.713E CC	8.591E-04	4.715E-10 4.739E-10	4.071E-13

CHANNE	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. Photons/mev -Electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
161	8.872E C2	1.707E CC		4.764E-10	
162	8.927E 02	1.699E CC		4.788E-10	
163	8.983F C2	1.687E CC	6.873E-04	4.812E-10	3.308E-13
164	5.038E 02	1.672E 00		4.84CE-10	
165	9.093E 02	1.655E CC		4.869E-10	
166	5.149E 02	1.657E CC	5.285E-04	4.897E-10	2.588E-13
167	5.204E C2	1.663E CC		4.926E-10	
168	5.259E C2	1.655E CC		4.954E-10	
169	9.315E C2	1.716E 00	4.584E-r4	4.978E-10	2.282E-13
170	9.370E C2	1.711E CC		5.003E-10	
171	9.425E C2	1.704E CC		5.027E-10	
172	5.481F ^2	1.6958 00	3.354E-04	5.051E-10	1.694E-13
173	9.536E C2	1.734E CC		5.0776-10	
174	5.591E 02	1.798E CC		5.104E-10	
175	5.647E C2	1.831E 00	2.955E-04	5.13CE-10	1.516E-13
176	5.702E 02	1.856E 00		5.157E-10	
177	5.757E C2	1.814E CC		5.183E-10	
178	9.813E 02	1.757E 0C	1.7996-04	5.208E-10	9.3708-14
179	5.868E 02	1.647E 00		5.232E-10	
180	9.923E C2	1.217E CC		5.256E-10	
181	9.578E 02	3.407E-01	1.500E-05	5.281E-10	7.9236-15
182	1.003E 03	n.n		5.305E-10	

COSF= 2.313E-12 R-SQ.CM./ELECTRON

TAR	GET NG. 7 INC.	IDENT ELECTRC	N ENERGY 1.	0 MEN		
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SING	(PHI) COS(PH)	11.
	7.5	15-0	30.0	45.0	60.0	75.0
7	4.2025-02	7-8585-02	C. 5695-02	8-7215-02	5.828E=02	2.1765-02
	4 7405 03	0 4305-03	1 0655.01		144F-03	5 3775-04
10	4.1492-112	2.4/05-02	1.1775-11	9.448E-02	D+104E-02	2.2115-112
13	4.339E-nZ	7.8516-02	5.649E-02	8.54CE-02	5.505E-02	2.021E-05
16	3.7548-02	6.760E-02	8.2146-02	7.208E-02	4.6328-02	1.719E-02
19	3.290E-02	5.778E-^2	6.992E-02	6.080E-02	3.9556-02	1.447E-02
22	2.893E-02	5.133F-02	6-186F-02	5.365F-02	3.399F-02	1.243E-02
26	2 5405-02	4 4545-03	5. 3205-02	6 5195-02	2 9475-02	1 0545-09
2 2					243412-02	11009C-02
28	2.2276-02	3.6905-02	4.0095-02	3.00/0-02	2.508E=02	5.0792-03
31	1.979E-C2	3.4406-02	4.029E-C2	3.485E+02	2.142E-02	7.849E+03
34	1.736E-02	3.026E-02	3.529E-02	2.983E-02	1.881E-02	6.669E-03
37	1.530E-C2	2.673E-02	3.C91E-02	2.574E-02	1.625E-02	5.920E-03
40	1-357F-C2	2.3336-02	2.709E-02	2-225E-02	1.404F-02	5-064E-03
43	1 1075-02	2.1055-02	2.2776-02	1.0765-02	1.2226-02	4.3305-03
		1 9435-03	20045-02	1 7495-02	1 0745 02	3 3405-03
40	1.077E-02	1.0436-02	2.0946-02	1.7485-02	1.0102-02	2. 1000-113
49	5.484E-03	1.667E-02	1.865E-02	1.498E-02	9.3996-03	3.269E-03
52	8.513E-03	1.4868-02	1.676E-02	1.361E-02	8.409E-03	2.914E-03
55	7.680E-C3	1.326E-C2	1.498E-02	1.219E-02	7.483E-03	2.577E-03
58	6-893E-03	1.2225-02	1.342F-02	1-082E-02	6-507E-03	2.287F-03
۲ <u>۲</u>	4 310E-03	1.0716-02	1.2428-02	0.6036-03	5.8145-03	2 0046-02
01			1 1000 00	383332-03	J 1014[-0]	2.0042-03
04	3.107E-03	9.0045-113	1.1000-02	8.0340-03	7.131E-03	1.03/E=US
67	5.071E-03	8.856E-C3	9.994E-03	7.601E-03	4.598E-03	1.5648-03
70	4.707E-03	8.066F-C3	9.014E-03	7.146E-03	4.239E-03	1.404E-03
73	4.224E-C3	7.406E-C3	7.786E-03	6.133E-03	3.591E-03	1.2816-03
76	3.856E-C3	6.5726-03	7.321E-03	5.500E-03	3.165F-03	1.1076-03
70	3.560E=03	6.2335-03	6.612E+03	4.891E-03	2.8835-03	C. 3375-04
60	3 33 85-03	5 5335-03	6 0375-03	4 5405-03	2 6616-03	5 5005-04
82	3.3305-03		5. 4575 65	4.5402-03	200012-00	C.500E-04
85	2.98/E-C3	4.9176+03	5.427E-03	3.9902-03	2.2451-03	1.514E-04
88	2.767E-03	4.5516-03	4.7C7E-03	3.512E-03	1.984E-03	6.678E-04
91	2.403E-03	4.234E-03	4.452E-03	3.304E-03	1.773E-03	5.862E-04
94	2.183E-03	3.860E-03	4.C28E-03	2.9775-03	1.584E-03	5.457E-04
07	2.0665-03	3-4716-03	3.627E-03	2-5945-03	1.4855-03	4.6205-04
100	1 0215-02	3 3105-03	2 41 95-03	2 2005-02	1 2225-02	4 1226-04
10.7	1.4210-03	3.310E-03	3.912E-03	2.03000-03	1.33352-03	701225-04
1.1.2	1.680E-03	2.909E=01	2.9132-03	2.039E-03	1.0826-03	2.0902-04
106	1.564E-03	2.€62E+03	2.574E-03	1.849E-03	1.074E-03	3.232E-04
109	1.4166-03	2.341E-03	2.355E-03	1.708E-03	9.211E-04	2.712E-04
112	1.298E-03	2.220E-03	2.175E-C3	1.456E-03	7.862E-04	2.484E-04
115	1.166F-C3	2.0666-03	1.950E-03	1.382E-03	6-9245-04	2.066E-04
118	1.0625-03	1.8285-03	1.7526-03	1.2255-03	6.879E-04	1.766E-04
1 1 0		1 7016-03	1 4726-02	1 0105-03	5 7205-04	1 6636-04
121	3.3300 04		1.9765.00		2.1375-04	1.000
124	8.8196-14	1.7//E=U3	1+3/72-03	9.30 /E=04	4.0275-14	1.4802-04
127	8.102E-04	1.2556-03	1.227E-03	7.61CE-04	4.0785-04	1.4296-04
130	6.858E-C4	1.106E-03	1.081E-03	6.888E-04	3.387E-04	1.056E-04
133	6.601E-04	1.185E-03	1.070E-C3	5.9098-04	2.8526-04	8.945E-05
136	5.893E-C4	1.005F-03	9.557E-04	5.527E-04	2.7675-04	7.598F-05
120	5 4305-04	C. 21 35-04	8.5135-04	5.20 8E=04	2.4145-04	7.4346-05
1 2 7						
142	4.8772-54	8.0025-04	0.7755-04	4.5000000	1.0946-04	2.2926-02
145	4.15CE-C4	6.7958-04	6.0055-04	4.1368-04	1.7776-04	5.4538-05
148	3.8366-04	6.578E-04	5.370E-04	3.038E-04	1.4086-04	3.356E-C5
151	3.3348-04	6.310E-04	4.794E-C4	2.494E-04	1.124E-04	2.332E-05
154	2.718F-04	4.749F-04	3.907E-04	2.451E-04	9.2285-05	1.438F-05
167	2.2025-04	4.1675-04	3. 7845-04	1-8235-04	8.3136-05	1.9416-06
144	1 0505-04	1 0405-04	2.0405-04	1.2495-04	1 0045-0F	1 5546-05
160		3.U07E-U4	20797CTU4		4.7702-07	1.7702-17
163	1.546E-F4	2.607E-04	<.409E=04	1.074E-04	4.517E-05	1.594E-05
166	1.303E-04	2.6325-04	1.6C6E-04	9.306E-05	2.880E-05	1.211E-05
169	1.0618-04	1.954E-C4	1.652E-C4	3.471E-05	1.951E-05	3.578E-06
172	7.91CE-05	1.5128-04	9.491E-05	5.302E-05	1.583E-05	2.696F-04
175	3.9675-05	1.0305-04	6-412F-05	3.11 AF-05	1.4376-05	1.8155-04
172	3 1412 42	1 7430L-47	2.2646-05	3 84EC-42	6 4466 64	1 1 1 1 2 C - 1 C
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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1 2		0.0		0.0	
2 7	1.554E CC	r.r		r.r	
3 1	.309E 01	r.r		5.741E-11	
4 1	.862E C1	C.C		1.603E-10	
5 2	.415E C1	C.C		1.399E-10	
6 ?	.968E C1	0.0		7.851E-11	
7 3	1.522E 01	6.386E-01	5.881E-02	5.883E-11	3.460E-12
84	.075E 01	1.211E CC		4.3416-11	
5 4	.628E 1	1.107E 00		3.904E-11	
10 5	.181E ^1	1.036E 00	1.033E-01	3.576E-11	3.693E-12
11 5	.735E ^1	1.028E 00		3.47°E-11	
12 6	.288E 01	1.025E 00		3.420E-11	
13 6	.841E C1	1.025E 00	9.284E-02	3.420E-11	3.175E-12
14 7	-394E 01	1.020E 00		3.463E-11	
15 7	.947E 01	1.013E 00		3.524E-11	
16 8	.501E 01	1.011E 00	7.779E-02	3.675E-11	2.859E-12
17 9	.n54E n1	1.008E CC		3.846E-11	
18 9	.607E 01	1.003E CC		4.118E-11	
19 1	. C16E C2	1.001E 00	6.557E-02	4.392E-11	2.880E-12
20 1	.071F C2	1.004E CC		4.674E-11	
21 1	.127E ^2	1.0088 00		4.969E+11	
22 1	.182E C2	1.011E 90	5.820E-02	5.279E-11	3.073E-12
23 1	.237E 12	1.008E 00		5.600E-11	
24 1	.293E 02	1.002E 00		5.027E-11	
25 1	.348E 02	1.100E CC	4.941E-02	6.248E-11	3.088E-12
26 1	.403E 02	9.995E-01		6.572E-11	
27 1	.459E C2	9.98CE-C1		6.943E-11	
28 1	.514E 02	S.980E-01	4.247E-02	7.315E-11	3.106E-12
29 1	.569E C2	1.002E 00		7.6918-11	
30 1	.625E C2	1.003E CC		8.067E-11	
31 1	.68CE 02	1.000E 00	3.752E-02	8.444E-11	3.168E-12
32 1	.735E ^2	9,9968-01		8.816E-11	
33 1	.791E n2	9.558E-01		9.187E-11	
74]	.P46E ^2	9999E-01	3.264F-02	9.548E-11	3-116E-12
35 1	.901E ^2	1.00CE CC		9.9076-11	
36 1	.957E 02	1.001E CO		1.024E-10	
37 2	.012E C2	1.001E 00	2.8526-02	1.047E-10	2.986E-12
3,8 2	. 67E 02	1.003E 00		1.0338-10	
39 2	.123E 02	1.004E 00		1.0626-10	
40 2	.178E C2	1.008E 00	2.499E-02	1.153E-10	2.883E-12
TARGET NO. 7 INCIDENT ELECTRON ENERGY 1.0 MEV

CHANNEL	. ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX•TO DOSE R/PHOTON/ SQ•CM•	DOSE SPEC R-SQ CM./ MEV-ELEC.
41 42 43 44	2.233E 02 2.288E 02 2.344E 02 2.399E 02	1.015E 00 1.023E 00 1.027E 00 1.031E 00	2.251E-02	1.213E-10 1.252E-10 1.291E-10 1.329E-10	2.905E-12
45 46 47 48	2.4546 02 2.5106 02 2.565E 02 2.620E 02	1.034E 00 1.038E 0C 1.944E 00 1.050E CC	2.003E-02	1.363E-10 1.398E-10 1.442E-10	2.800E-12
49 50 51	2.676E C2 2.731E C2 2.786E C2	1.056E CC 1.065E CC 1.077E CC	1.793E-02	1.515E-10 1.549E-10 1.582E-10	2.717E-12
52 53 54	2.842E 02 2.897E 02 2.952E 02	1.087E 0C 1.097E 00 1.103E 00	1.658E-02	1.615E-10 1.648E-10 1.687E-10	2.677E-12
55 56 57	3.008E 02 3.063E 02 3.118E 02	1.11CE CC 1.118E CC 1.126E CC	1.513E-02	1.724E-10 1.752E-10 1.781E-10	2.608E-12
58 59 60	3.174E C2 3.229E O2 3.284E O2	1.133E 00 1.140E 00 1.147E 00	1.3806-02	1.814E-10 1.847E-10 1.881E-10	2.503E-12
62	3.395E C2 3.450E C2	1.156E CO 1.164E CC 1.172E CC	1.2652-02	1.918E-10 1.956E-10 1.990E-10	2.426E-12
65 66 67	3.561E 02 3.616E 02 3.672E 02	1.175E CC 1.184E CC 1.185E OC	1.0495-02	2.057E-10 2.088E-10 2.116E-10	2.3535-12
68 69 70	3.727E 02 3.782E C2 3.838E C2	1.203E CO 1.218E OC	9.8805-03	2.116E-10 2.146E-10 2.179E-10	2.2192-12
71 72 73	3.893E 02 3.948E 02 4.004E 02	1.229E 00 1.226E 00 1.222E 00	8-6185-03	2.236E-10 2.269E-10 2.302E-10	1 8845-12
74 75 76	4.055E 02 4.114E 02 4.165E 02	1.232E 00 1.241E 00	7.9565-03	2.341E-10 2.377E-10 2.40EE-10	1.7045-12
77 78 79	4.225E C2 4.280E C2	1.255E 00 1.265E 00	7 2015-02	2.435E-10 2.468E-10	1.9136-12
θ Ω	4.391E ^2	1.58CE 00	(• 2016-03	2.494E-10 2.516E-10	1.841E-12

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
81	4.446E C2	1.288E 00		2.548E-10	
<u> </u>	4.501E C2	1.296E 00	6.796E-03	2.5816-10	1.754E-12
83	4.557E C2	1.255E CC		2.603E-10	
P4	4.6128 02	1.303E 00	(1035.00	2.627E-10	1 (205 1 2
85	4.6676 12	1.305E 00	6.127E=03	2.6665-10	1.030E+12
86	4.724E CZ	1.305E 00		2.691E-10	
1 4	4.778E 02	1.304E / S	5 (535 A3	2.71°E-10	1 (005 10
88	4.833E M2	1.505E 00	7.47 (E=13	2.7476-10	1.4992-12
89	4.8855 02	1.315E PC		2.0005 10	
9,1 0 1	4.9445 02	1.5445 5	5 3055 03	2.8028-10	1 6725 12
91	4.9995 02	1.3555 00	5.205E=15	2+8000-10	1.4/00-12
92	5.1105.02	1.3775 10		2.0015+10	
93	5 1455 02	1 2625 00	4 7535-03	2.0225-10	1 2005-12
94	5.1000 (2	1.3445.00	4.1005-00	2.92 - 2 - 10	1.5492-12
95	5.2215 12	1 7475 00		2.9945-10	
96	5.2700 02	1.3745.00	4 2105 02	2.9020-10	1 2005 12
97	5 107E 01	1.3005.00	4.2195-02	3.0345-10	(• 20) E=12
70 00	5 4475 02	1 4095 00		3.0625-10	
100	5 4075 02	1 4795 00	4 1715-03	3 0895-10	1 2005-12
101	5 5536 02	1 4136 00	**L/1C=/ 2	3 1175-10	1.2005-12
102	5.408E C2	1.368E 00		3.146E=10	
103	5 663E C2	1.390E 00	3.4765-03	3 175E-10	1 1036-12
104	5.7195 02	1.38CE 00		3.2046-10	101-12
105	5.774F C2	1.4038 00		3.231E-10	
106	5.829E 02	1.413E CC	3-2275-03	3.258E-10	1.051E-12
107	5.885E C2	1.419E CC		3.285E-10	
108	5. 64CF 02	1.425E CC		3.311E-10	
109	5.595E C2	1.431E CO	2.9365-03	3.338E-10	9.799F-13
110	6.051E 02	1.436E 00		3-368E-10	
111	6.106E 02	1.442E CC		3.3995-10	
112	6.161E C2	1.45CE CC	2.683E-03	3-430E-10	9.203E-13
112	6.216E C2	1.459F CC		3.4616-10	/•c)c ij
114	6.272E 02	1.469E 00		3.49CE-10	
115	6. 227E 02	1.48CE CC	2.499F-03	3.517E-10	8.787E-13
116	6.782E 02	1.492E CC		3.544E-10	0.0000
117	6.438E C2	1.501E CC		3.570E-10	
118	6.493E C2	1.508E CC	2.300E-03	3.597E-10	8.274F-13
119	6.548E 02	1.506F 00		3-623E-10	
120	6.604F C2	1.503F CC		3.650E-10	
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TARGET NO.	1	INCIDENT	ELECTRON	ENERWY	1.00	H.C.A.

CHANNEL	. ENERG Kev	Y	CORR.F	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX+TO DOSE R/PHOTON/ SQ+CM+	DOSE SPEC R-SQ CM./ MEV-ELEC.
121	6.659E	C 2	1.506E	CO	2.012E-03	3.676E-10	7.399E-13
155	6.714E	02	1.510E	00		3.703E-10	
123	6.77CE	02	1.51 SE	00		3.729E-10	
124	6.825E	C 2	1.521E	0.0	1.826E-03	3.756E-10	6.857E-13
125	6.880E	02	1.514E	00		3.783E-10	
126	6.936E	C 2	1.503E	00		3.809E-10	
127	6.991E	02	1.488E	00	1.528E-03	3.836E-10	5.860E-13
128	7.046E	°2	1.483E	CC		3.868E-10	
129	7.102E	02	1.480E	CC		3.901E-10	
130	7.157E	02	1.490E	00	1.334E-03	3.934E-10	5.250E-13
131	7.212E	02	1.505E	00		3.967E-10	
132	7.268E	02	1.543E	00		3.998E-10	
133	7.323E	02	1.571E	00	1.345E-03	4.022E-10	5.411E-13
134	7.378E	<u>2</u>	1.583E	00		4.046E-10	
135	7.434E	02	1.592E	ac		4.071E-10	
136	7.489E	<u>C2</u>	1.596E	00	1.2268-03	4.095E-10	5.019E-13
137	7.544E	02	1.613E	00		4.123E-10	
138	7.600E	02	1.633E	0.0		4.152E-10	
135	7.655E	02	1.629E	00	1.1446-03	4.181E-10	4.783E-13
140	7.710E	02	1.61 SE	00		4.2096-10	
141	7.766E	02	1.581E	0C		4.237E-10	
142	7.821E	n 2	1.562E	0C	8.9426-04	4.261E-10	3.810E-13
143	7.876E	CZ	1.573E	0C		4.286E-10	
144	7.932E	02	1.585E	CC		4.310E-10	
145	7.987E	02	1.61CE	0.0	8.335E-04	4.334E-10	3.613E-13
146	8.042E	02	1.618E	00		4.364E-10	
147	8.C97E	02	1.621E	00		4.395E-10	
148	8.153E	CZ	1.629E	CO	7.280E-04	4.426E-10	3.222E-13
149	8.208E	nz	1.637E	00		4.457E-10	
150	8.263E	02	1.655E	0 C		4.486E-10	
151	8.319E	C2	1.666E	00	6.565E-04	4.510E-10	2.961E-13
152	8.374E	C Z	1.662E	C C		4.535E-10	
153	e.429E	C2	1.655E	C C		4.559E-10	
154	8.485E	C 2	1.647E	00	5.361E-04	4.583E-10	2.457E-13
155 (8.54CE	02	1.666E	00		4.609E-10	
156	E.595E	r 2	1.695E	00		4.636E-10	
157 (8.651E	C 2	1.695E	00	4.8336-04	4.662E-10	2.253E-13
158	8.7C6E	C2	1.688E	0.0		4.689E-10	
159 (8.761E	C 2	1.642E	00		4.715E-10	
160 (8.817E	<u>^2</u>	1.613E	00	3.478E-04	4.739E-10	1.648E-13

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CHANNEL ENERGY Kev		CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
161	8.8725 C2	1.622E 00		4.764E-10	
162	8.927E C2	1.636E CC		4.788E-10	
163	8.983E C2	1.655E 20	2.982E-04	4.812E-10	1.435E-13
164	S.C38E C2	1.67CE 00		4.84CE-10	
165	5. 193E 02	1.684E CC		4.869E-10	
166	9.149E C2	1.687E CC	2.4498-04	4.897F-10	1.199E-13
167	5.204E C2	1.687E CC		4.926E-10	
168	5.259E C2	1.671E CO		4.054E-10	
149	5.315E C2	1.663E 0C	1.815E-04	4.978E-10	9.0358-14
170	9.37°E °2	1.677E CC		5.003E-10	
171	5.425E C2	1.688E CC		5.027E-10	
172	9.481E C2	1.695E 0C	1.413E-04	5-051E-10	7.130E-14
173	9.536E C2	1.676E CC		5.077E-10	
174	5.591F C2	1.641E CC		5.104E-10	
175	5.647E C2	1.615E °C	8.78CE-C5	5+13CE-10	4.505E-14
176	5.7C2E C2	1.591E CC		5.157E-10	
177	5.757E C2	1.578E CC		5.183E-10	
178	5.813F C2	1.562E 10	5.438E-05	5.208E-10	2.832E-14
179	9.868E 02	1.535E 00		5.232E-10	
180	5.923F C2	1.168E 00		5.256E-10	
181	5.578E C2	3.269E-01	5.914E-06	5.281E-10	3.123E-15
182	1.003E 03	C.O		5.305E-10	

CCSE= 1.511E-12 R-SQ.CM./ELECTRON

TAR	GET NO. 8 INC	IDENT ELECTRO	N ENERGY 1	.O MEV	
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIE	D BY 2 PI SIN	(PHI) COS(PHI).
	7.5	15.0	30.9	45.0	60.0
7	4.424E-02	7.884E-02	9.575E-02	8.805E-02	5-816E-02
10	4.845E-02	8.535E-02	1.057E-01	9.365E-02	6.144F-02
13	4.477E-02	7.762F-02	9-400E-02	8-455E-02	5-552E-02
16	3.874E-02	6.645E-02	8.064E-02	7-0615-02	4.657E=02
19	3.364E-C2	5.775E-C2	6.855E-02	6.011E-02	3.9546-02
22	2.925E-02	5-086E-C2	A. 0285-03	5.261E-02	3.3805-02
25	2.5855-02	4.426E-02	R. 76 28-07	A. 4785-02	2 8695-02
28	2.266E=02	3.8455-02	446278-02	3.8675-02	2.0076-02
21	2.COBE=02	3.4026-02	3.0586-02	3-3365-02	2 1225-02
34	1.7795-02	2.0926-02	3.4746-02	2 8036-02	
27	1.5445-02	2.5885-02	2.6066-02	2.0730-02	1.65/6-02
40	1.3695-02	2.3385-03	2.4505-02	2 1905-02	1.3025-02
43	1 2275-02	2.5566-02	2.00000002	1.0435-02	1.3935-02
44	1.0005-02	1 9305-03	2.5575-92	1.4445-02	1.1982-02
40	C 7935-02	1.6000-02	2.0040-02	1.0000=02	1.9042-02
67	9.020-03	1.5055-02	1.0442-02	1.5100-02	9.2222-03
72	0.9402-13	1.20/5.02	1.0502-02	1.3486-02	8.209E-03
77	8.040E-03	1.524E-02	1.5026-02	1.186E-02	7.364E-03
78	7.1/3E-03	1.201E-02	1.3026-02	1.087E-02	6.543E-03
01	E.475E-03	1.0596-02	1.199E-02	9.388E-03	5.728E-03
04	5.883E-C3	1.0C2E-02	1.092E-02	8.590E-03	5.007E-03
61	5.418E-03	8.882E-03	9.587E-03	7.545E-03	4.443E-03
70	4.808E-03	8.184E-03	8.656E-03	6.975E-03	3.974E-03
73	4.448E+03	7.530E-03	7.885E-C3	6.096E-03	3.4596-03
76	3.972E-C3	6.596E-03	7.051E-03	5.493E-03	3.141E-03
79	3.6976-03	6.100E-03	6.463E-03	4.753E-03	2.7855-03
82	3.3756-03	5.6856-03	5.904E-03	4.2846-03	2.596E-03
85	3.1046-03	5.120E-C3	5.3516-03	4.041E-03	2.2228-03
88	2.8056-03	4.669E-03	4.719E-03	3.606E-03	1.984E-03
91	2.4966-03	4.270E-03	4.446E-03	3.192E-03	1.813E-03
94	2.374E-C3	3.760E-03	3.966E-03	3.0606-03	1.6296-03
97	2.160E-03	3.423E-03	3.456E-03	2.557E-03	1.4346-03
100	1.968E-03	3.197E-03	3.181E-03	2.252E-03	1.334E-03
103	1.650E-C3	2.913E-C3	2.883E-03	2.006E-03	1.0936-03
106	1.538E-C3	2.584E-C3	2.655E-03	1.748E-03	9.961E-04
109	1.46°E+°3	2.324E-03	2.318E-03	1.7376-03	9.0795-04
112	1.355E-C3	2.129E-03	2.144E-03	1.5296-03	8.136E-04
115	1.162E-03	1.9695-03	1.825E-03	1.249E-03	6.795E-04
118	1.0966-03	1.826E-03	1.715E-03	1.183E-03	6.370E-04
121	1.036E-03	1.698E-03	1.474E-03	1.131E-03	5.272E-04
124	5.092E-04	1.5526-03	1.267E-03	9.388E-04	4.562E-04
127	7.9128-04	1.279E-03	1.208E-03	7.673E-04	4.349F-04
130	7.590E-04	1.2228-03	1.106E-03	7.389E-04	3-606E-04
133	6.5716-04	1. 74E-03	9.6C8E-04	6.293E-04	3-581E-04
136	6. 165E-14	9.679E-04	9.3428-04	5-648E-04	2-851E-04
139	5.184E-04	5.0278-04	7.693E-04	5-565E-04	2.1945-04
142	4.FC5F-C4	8.048F-04	6-395E-04	3.8495-04	2.0705-04
145	3.746E-C4	7.C65E-04	5.759E-04	3.278E-04	1.5655-04
148	3.471F-C4	6.627E-C4	4.779E-04	3.1836-04	1.3035-04
151	3.127F-04	4.986F-04	4.439E-04	2.731E-04	1 1165-04
154	2.0946-04	4.6555-04	3.4405-04	2.2505-04	0.0575-05
157	2.7235-04	4.3055-04	3.0635-04	1.0116-04	7 0306-05
160	1.8876-04	3.4625-04	2.5775-04	1.2215-04	F 3525-AF
162	1.4665-04	3.1355-04	2.1816-04	1.2505-04	3 4005-05
166	1.4926-04	2.4745-04	1.0815-04	107375-114 7.7345-AF	7.077C-()) 4.1266.06
160	1.0745-04	1.9495-04	1.4075-04	4 110E-0E	7+1375-07
172	1 0045-04	1.0010-04	1 0425-04	0.1102-03	201772-05
176	1.0042404	1.00912-04	1.0035-074	4.126E-05	2.394E-05
173	7+020E-03	1.00985504	0.9836-05	1.9156-05	2.019E-05
1.10	4.0096-05	0.3488-05	4.ZCZE-05	8.688E-06	Z.783E-06

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	5+USSE UC	0.0		0.0	
2	7.554E CC	C • U		n.n	
j	1.339E 01	n.n		5.7418-11	
4	1.862E 11	C.J.C		1.603E-10	
5	2.415E C1	0.0		1.399E-10	
6	2.968E 1	0.0		7.851E-11	
7	3.522E 1	6.395E-C1	6.251E-02	5.883E-11	3.677E-12
Q	4.075E 01	1.212E CC		4.341E-11	
ç	4.628E C1	1.109E CC		3.004E-11	
10	5.181E 1	1.037E CC	1.0928-01	3.576E-11	3.906E+12
11	5.735E C1	1.0?9E 00		3.47°E-11	
12	6.288E 1	1.025E 00		3.420E-11	
13	6.841E 01	1.024E CC	5.724E-02	3.42°E-11	3.325E-12
14	7.394E C1	1.019E 00		3.463E-11	
15	7.947E C1	1.013E CC		3.524E-11	
16	8.501E 01	1.010E CO	8.127E-02	3.675E-11	2.987E-12
17	9.054E C1	1. COBE CO		3.846E-11	
18	5.607E 1	1.004E CC		4.118E-11	
19	1.016E 02	1.003E CC	6.891E-^2	4.392E-11	3.027E-12
20	1.071E C2	1.005E 00		4.674E-11	
21	1.127E 02	1.CCRE CC		4.969E-11	
22	1.182E C2	1.01CE CC	6.059E-02	5.279E-11	3.198E-12
23	1.237E 02	1.007E CC		5.60°E-11	
24	1.293E 02	1.COUL UU		5.927E-11	
25	1.348E 02	9.994E-C1	5.138E-0?	6.248E-11	3.210E-12
26	1.403E 02	5.957F-C1		6.572E-11	
27	1.459E C2	1.000E 00		6.943E-11	
2.8	1.514E 02	1.001E 00	4.465E-02	7.315E-11	3.266E-12
29	1.569E 02	1.003E 0C		7.691E-11	
31	1.6258 02	1.003E CC		8.067E-11	
31	1.68°E °2	9.979E-01	3.878E-02	8.444E-11	3.274E-12
32	1.735E C2	9.979E-01		8.816E-11	
33	1.791E 02	1.001E CC		9.187E-11	
34	1.846E 02	1.001E 00	3.401E-02	9.548E-11	3.247E-12
35	1.901E CS	1.000E 00		9.907E-11	
36	1.957E C2	9.9756-01		1.024E-10	
37	2.0128 02	9.959E-Cl	2.922E-C2	1.047E-10	3.059E-12
38	2.067E 02	9.9916-01		1.033E-10	
39	2.123E 02	1.004E CC		1.062E-10	
49	2.178E C2	1.011E 00	2.619E-02	1.153E-10	3.020E-12

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CHANNEL	ENERGY KEV	ſ	CORR.F/	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
41 2	2.233E	°2	1.018E	00		1.2136-10	
42 2	2.288E	C2	1.026E	30		1.252E-10	
43 2	2.344E	02	1.0286	CC .	2.355E-02	1.291E-10	3.040E-12
44 2	2.399E	r 2	1.030E	00		1.329E-10	
45 2	2.454E	C2	1.03CE	00		1.363E-10	
46 2	2.510E	C 2	1.C32E	<u>ga</u>	2.067E-02	1.398E-10	2.889E-12
47 2	2.565E	02	1.042E	00		1.442E-10	
48 2	2.62CE	C 2	1.053E	C C		1.482E-10	
49 2	2.676E	° 2	1.062E	CC	1.908E-02	1.515E-10	2.892E-12
50 3	.731E	C S	1.071E	00		1.549E-10	
51 2	.786E	C 2	1.079E	00		1.582E-10	
52 2	.842E	02	1.088E	CC	1.7476-92	1.615E-10	2.821E-12
53 2	.897E	<u>^2</u>	1.057E	00		1.648E-10	
54 2	•952E	02	1.103E	00		1.687E-10	
55 3	-008E	C 2	1.11CE	00	1.592E-02	1.724E-10	2.744E-12
56 3	•063E	0.2	1.119E	00		1.752E-10	
57 3	•118E	C2	1.128E	C C		1.781E-10	
58 3	.174E	02	1.134E	CO	1.453E-02	1.814E-10	2.637E-12
59 3	•229E	02	1.139E	00		1.847E-10	
60 3	.284E	r2	1.143E	0 Q		1.881E-10	
61 3	.340E	0.2	1.151E	ca	1.310E-02	1.918E-10	2.511E-12
62 3	• 395E	02	1.161E	6.0		1.956E-10	
63 3	.450E	C 2	1.173E	00		1.990E-10	
64 3	.506E	02	1.185E	0)	1.229E-02	2.023E-10	2.486E-12
65 3	.561E	C2	1.187E	00		2.^57E-10	
66 3	.616E	C 2	1.19CE	00		2.088E-10	
67 3	•€72E	C2	1.192E	00	1.093E-02	2.116E-10	2.313E-12
68 3	•727E	02	1.198E	00		2.146E-10	
69 3	•782E	02	1.20SE	00		2.179E-10	
70 3	.838E	C 2	1.717E	00	1.016E-02	2.209E-10	2.243E-12
71 3	.893E	C 2	1.225E	CC		2.236E-10	
72 3	•948E	° 2	1.231E	00		2.269E-10	
73 4	.004E	<u>^2</u>	1.236E	00	9.2436-03	2.302E-10	2.128E-12
74 4	• ° 5 9 E	C 2	1.241E	CC .		2.341E-10	
75 4	.114E	<u>^2</u>	1.245E	00		2.377E-10	
76 4	•169E	0.5	1.247E	00	8.341E-03	2.405E-10	2.006E-12
77 4	.225E	C2	1.25CE	00		2.435E-10	
78 4	•280E	02	1.25¢E	CO		2.4685-10	
79 4	.335E	02	1.263E	00	7.6055-03	2.4948-10	1.897E-12
80 4	•391E	C 2	1.271E	00		2.516E-10	

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a14.4446F n^2 1.282E n^2 2.548E-101.843E-12824.501E n^2 1.301E n^2 2.603E-101.843E-12834.657E n^2 1.301E n^2 2.603E-101.749E-12844.612E n^2 1.312E n^2 2.627E-101.749E-12854.667E n^2 1.312E n^2 2.691E-101.749E-12864.723E n^2 1.312E n^2 2.719E-101.623E-12874.889E n^2 1.327E n^2 2.774E-101.623E-12994.889E n^2 1.327E n^2 2.802E-101.657E-12914.999E n^2 1.359E n^2 2.801E-101.557E-12925.556 n^2 1.359E n^2 2.801E-101.557E-12935.110E n^2 1.359E n^2 2.923E-101.497E-12945.165E n^2 1.373E n^2 2.923E-101.497E-12955.221E n^2 1.373E n^2 2.923E-101.497E-12955.221E n^2 1.366E n^2 2.965E-101.339E-12965.442E n^2 1.362E n^2 n^2 n^2 975.331E n^2 n^3 6E n^2 n^2 985.387F n^2 n^3 6E n^2 n^2 995.442E n^2 n^3 6E n^2 n^2 915.553E n^2 n^3 6E<	CHANNE	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
R_2 4.501E n_2 1.254E n_1 7.143E- n_3 2.561E-101.843E-12 R_3 4.557E n_2 1.30F n_2 2.603E-101.749E-12 R_4 4.612E n_2 1.317E n_1 2.603E-101.749E-12 R_6 4.723E n_2 1.316E n_1 2.601E-101.749E-12 R_6 4.723E n_2 1.312E n_1 2.774E-101.623E-12 R_7 4.778E n_2 1.320E n_1 2.774E-101.623E-12 R_7 4.889E n_2 1.327E n_1 2.802E-101.557E-12 R_7 4.899E n_2 1.337E n_2 2.802E-101.557E-12 R_7 2.555E n_2 1.359E n_2 2.923E-101.497E-12 R_7 2.5110 n_2 n_37E n_2 2.954E-101.497E-12 R_7 r_3 r_3 r_2 r_3 r_3 r_2 r_3 R_7 r_3 r_2 r_3 r_2 r_3 r_2 r_3 R_7 r_3 r_2 r_3 r_2 r_3 r_2 r_3 R_7 r_3 r_2 r_3 r_3 r_2 r_3 R_7 r_3 r_3 r_2 r_3 r_3 r_2 R_7 r_3 r_3 r_2 r_3 r_3 r_2 R_7 r_3 r_3 r_2 r_3 r_2 r_3 R_7 r_3 r_3 r_2	R 1	4.446E 02	1.282E 00		2.548E-10	
A3 4.657E 1.301E 2.603E-10 A4 4.612E 02 1.30FE CC 2.627E-10 A5 4.667E 02 1.312F 0 6.575E-C3 2.660E-10 1.749E-12 A6 4.728E 02 1.316E 0 2.691E-10 1.623E-12 B7 4.778E 02 1.320E 0 2.774E-10 1.623E-12 B9 4.848E 02 1.327E 0 2.832E-10 1.623E-12 B9 4.849E 1.337E 0 2.832E-10 1.558E-12 C1 4.999E 1.356E 0 2.832E-10 1.497E-12 C2 5.755E 1.356E 0 5.123E-03 2.923E-10 1.497E-12 C3 5.110E 02 1.373E 00 2.954E-10 1.497E-12 C4 5.756E 1.373E 00 2.923E-10 1.497E-12 C3 5.87E 1.373E 00 2.954E-10 1.339E-12 C4 5.776E 1.378E 00 3.667E-03 3.17E-10 <	82	4.501E 02	1.294E 00	7.143E-03	2.581E-10	1.843E-12
94 4.4.12E 02 1.316F 0C 2.627E-10 85 4.667E 02 1.316E 0C 2.691E-10 86 4.723E 02 1.316E 0C 2.719E-10 87 4.778E 02 1.327E 0C 2.719E-10 88 4.893E 02 1.327E 0C 2.774E-10 1.623E-12 89 4.892E 02 1.327E 0C 2.802E-10 1.558E-12 90 4.644E 02 1.337E 0C 2.837E-10 1.558E-12 91 4.999E 02 1.346E 0C 2.892E-10 1.497E-12 92 5.755E 02 1.373E 0C 5.123E-03 2.923E-10 1.497E-12 93 5.110E 02 1.366E 0C 2.9802E-10 1.497E-12 94 5.165E 02 1.373E 0C 5.123E-03 2.923E-10 1.497E-12 95 5.221E 02 1.366E 0C 2.9802E-10 1.399E-12 1.339E-17 95 5.221E 02 1.366E 0C 3.008E-10 1.339E-12 96 5.877E 02 1.364E 0C 3.062E-10 1.339E-12 97 5.422E 02 1.364E 0C 3.117E-10 1.284E-12	83	4.57E C2	1.301E 00		2.603E-10	
R54.667E1.313E0C6.575E-C32.668CE-101.749E-12R64.723E1.316E0C2.719E-101.623E-12R74.778E021.322E0C2.719E-101.623E-12894.889E021.327E0C2.7774E-101.623E-12904.644E1.337E0C2.802E-101.55PE-12914.999E021.348E9C2.830E-101.55PE-12925.755E1.359E0C2.892E-101.55PE-12935.110E1.365E0C2.9923E-101.497E-12945.165E1.373E0C2.923E-101.497E-12955.221E021.366E0C2.982E-10945.165E1.366E0C2.982E-101.497E-12955.221E021.366E0C2.982E-10945.165E1.373E0C3.062E-101.339E-12955.221E021.366E0C3.062E-10965.442E021.392E0C3.117E-10975.63E021.394E0C3.204E-10985.331E021.394E0C3.204E-10995.642E021.394E0C3.231E-10905.63EE021.394E0C3.231E-10915.774E021.402E0C3.238E-10945.74E021.402E0C3.285E-1095 <td< td=""><td>94</td><td>4.612E 02</td><td>1.308F CC</td><td></td><td>2.627E-10</td><td></td></td<>	94	4.612E 02	1.308F CC		2.627E-10	
R64.723E r_2 1.316E r_1 2.691E-10874.778E r_2 1.316E r_1 2.719E-10894.889E r_2 1.327E r_1 2.7747E-10994.644E r_2 1.327E r_1 2.802E-10914.999E1.348E $0r_1$ 2.837E-10925.755E r_2 1.359E r_2 2.862E-10935.110E r_2 1.365E r_1 2.892E-10945.165E r_2 1.373E r_2 $r_293E-10$ 955.221E r_2 1.373E r_2 $r_293E-10$ 945.276E r_2 1.365E r_2 $r_293E-10$ 955.221E r_2 1.373E r_2 $r_293E-10$ 945.276E r_2 1.365E r_2 $r_293E-10$ 955.221E r_2 1.373E r_2 $r_293E-10$ 965.276E r_2 1.365E r_2 $r_293E-10$ 975.331E r_2 1.365E r_2 $r_293E-10$ 985.387E r_2 1.395E r_2 $r_293E-10$ 995.442E r_2 1.395E r_2 $r_202E-10$ 1015.653E r_2 1.395E r_2 $r_202E-10$ 1125.663E r_2 1.394E r_2 $r_202E-10$ 1135.663E r_2 1.394E r_2 $r_202E-10$ 1145.774E r_2 1.394E r_2 $r_202E-10$ <	85	4.667E ^2	1.313E 00	6.575E-03	2.66CE-10	1.749E-12
87 $4.778E$ $C2$ $1.316E$ $C0$ $2.719E-10$ 89 $4.835E$ $C2$ $1.32CE$ $C0$ $2.774E-10$ 90 $4.849E$ $C2$ $1.327E$ $C0$ $2.7774E-10$ 91 $4.999E$ $C2$ $1.337E$ $C0$ $2.802E-10$ 91 $4.999E$ $C2$ $1.359E$ $C0$ $2.802E-10$ 92 $5.55E$ $21.359E$ $C0$ $2.892E-10$ 93 $5.110E$ $C2$ $1.359E$ $C0$ $2.923E-10$ 94 $5.165E$ $C2$ $1.373E$ $C0$ $2.954E-10$ 94 $5.165E$ $C2$ $1.373E$ $C0$ $2.9923E-10$ 95 $5.221E$ $O2$ $1.339E-12$ $3.066E-10$ 95 $5.221E$ $O2$ $1.366E$ $C1$ $3.098E-10$ 95 $5.271E$ $O2$ $1.398E$ $C2$ $3.098E-10$ 100 $5.497E$ $O2$ $1.398E$ $C2$ $3.098E-10$ 102 $5.698E$ $O2$ $1.397E$ $C0$ $3.204E-10$ 103 $5.653E$ $O2$ $1.394E$ $O2$ $3.204E-10$ 102 $5.668E$ $O2$ $1.394E$ $O2$ $3.204E-10$ 103 $5.774E$ $C2$ $1.394E$ $O2$ $3.204E-10$ 1	86	4.723E C2	1.316E CC		2.691E-10	
AR4.833E 02 1.320E 00 5.910E-032.747E-101.623E-12894.848E021.327E002.802E-101.558E-12914.944E021.337E002.837E-101.558E-12925.555E21.359E002.832E-101.558E-12935.110E021.365E022.923E-101.497E-12955.221E021.373E002.923E-101.497E-12955.221E021.366E002.968E-101.339E-12985.387E021.366E002.968E-101.339E-12985.387E021.368E003.062E-101.339E-12985.387E021.368E003.062E-101.284E-121015.5571.368E021.395E003.17E-101025.608E021.395E003.667E-033.17E-101035.663E021.395E003.204E-101.164E-121045.714E021.402E003.231E-101.68E-121055.747E1.402E003.240E-103.238E-101.056E-121045.895E021.410E003.340E-033.238E-101.056E-121055.955E021.420E003.340E-033.238E-101.056E-121045.956E021.434E003.368E-101.056E-121156.216E </td <td>87</td> <td>4.778E C2</td> <td>1.316E CC</td> <td></td> <td>2.719E-10</td> <td></td>	87	4.778E C2	1.316E CC		2.719E-10	
894.896E r^2 1.3276 r^2 2.774E-10974.644Er21.3376rc2.802E-10914.999Er21.348E05.577E-032.802E-10925.755Er21.359Ec02.961E-10935.110Er21.359Ec02.923E-10945.165Er21.373Ec02.962E-10955.221Er21.373Ec02.982E-10945.276Er21.366Ec02.982E-10955.387Er21.366Ec02.982E-10965.387Er21.373Ec03.062E-10975.331Er21.366Ec03.062E-10985.387Er21.373Ec03.062E-10995.422E1.385Er03.062E-101005.497Er21.362Er03.062E-101015.638Er21.397Er03.117E-101025.608Er21.397Er03.204E-101035.663Er21.397Er03.231E-101045.719Er21.420Er03.231E-101055.774Er21.422Er03.238E-101065.975Er21.443Er03.3328E-101075.897Er21.443Er03.340E-031085.940Er21.443Er03.368E-101195.940E	9.8	4.833E 02	1.32CE 00	5.910E-03	2.747E-10	1.623E-12
9°4. $e44E$ C21. $337E$ CC2. $802E-10$ 914. $999E$ 0.21. $348E$ 0.05. $507E-n3$ 2. $802E-10$ 925. $55E$ 21. $359E$ CG2. $892E-10$ 935. $110E$ 0.21. $373E$ 0.02. $923E-10$ 1. $497E-12$ 945. $165E$ 0.21. $373E$ 0.02. $992E-10$ 1. $497E-12$ 955. $221E$ 0.21. $373E$ 0.02. $992E-10$ 1. $497E-12$ 965. $2721E$ 0.21. $373E$ 0.02. $992E-10$ 1. $497E-12$ 975. $331E$ 0.21. $366E$ 0.02. $992E-10$ 1. $497E-12$ 985. $387E$ 0.21. $366E$ 0.02. $992E-10$ 1. $397E-12$ 985. $387E$ 0.21. $366E$ 0.03. $09E-10$ 1. $339E-12$ 985. $387E$ 0.21. $368E$ 0.03. $062E-10$ 1. $284E-12$ 1015. $573E$ 0.21. $397E$ 0.03. $062E-10$ 1. $284E-12$ 1015. $568E$ 0.21. $394E$ 0.03. $667E-03$ 3. $117E-10$ 1025. $608E$ 0.21. $394E$ 0.03. $231E-10$ 1. $1.64E-12$ 1035. $668E$ 0.21. $402E$ 0.03. $231E-10$ 1. $1.64E-12$ 1045. $774E$ 0.21. $402E$ 0.03. $328E-10$ 1. $0.65E-12$ 1055. $74E$ 0.21. $420E$ 0.03. $338E-10$ 1. $0.56E-12$ <t< td=""><td>89</td><td>4.889E C2</td><td>1.327E 00</td><td></td><td>2.774E-10</td><td></td></t<>	89	4.889E C2	1.327E 00		2.774E-10	
a14.999EC21.348E0C5.507E-032.830E-101.558E-12925.055E721.359EC02.892E-101.497E-12935.165E721.373E005.123E-032.923E-101.497E-12955.221E021.373E002.954E-102.992E-10965.276E021.366E002.992E-101.339E-12955.221E021.366E002.992E-101.339E-12955.276E021.366E002.992E-101.339E-12985.387E021.365E003.036E-101.339E-12985.387E021.365E003.062E-101.284E-121015.442E021.365E003.062E-101.284E-121015.553E021.367E003.117E-101.164E-121025.663E021.397E003.667E-033.175E-101.164E-121035.663E021.396E003.667E-033.275E-101.164E-121045.719E021.402E003.231E-103.285E-101.088E-121055.774E021.420F003.243E-033.275E-101.056E-121065.959E021.451E003.338E-101.056E-121106.051E021.468E003.338E-101.056E-121116.161E021.468E003.339E-10 <td>90</td> <td>4.944E C2</td> <td>1.337E CC</td> <td></td> <td>2.802E-10</td> <td></td>	90	4.944E C2	1.337E CC		2.802E-10	
q_2 5.755E r_2 1.359E r_0 2.P61E-10 q_4 5.165E r_2 1.365E r_0 2.892E-10 q_4 5.165E r_2 1.373E002.923E-10 q_4 5.276E r_2 1.366E r_0 2.994E-10 q_4 5.276E r_2 1.366E r_0 2.982E-10 q_4 5.276E r_2 1.366E r_0 2.982E-10 q_4 5.276E r_2 1.366E r_0 2.982E-10 q_4 5.276E r_2 1.366E r_0 3.036E-10 q_4 5.276E r_2 1.366E r_0 3.036E-10 q_8 5.387E r_2 1.385E r_0 3.036E-10 q_9 5.442E r_2 1.385E r_0 3.17E-10 100 5.497E r_2 1.395E r_0 3.146E-10 101 5.653E r_2 1.395E r_0 3.667E-03 102 5.608E r_2 1.394E r_0 3.667E-03 103 5.663E r_2 1.394E r_0 3.231E-10 105 5.774E r_2 1.420E r_0 3.231E-10 106 5.8642E r_2 1.420E r_0 3.285E-10 107 5.865E r_2 1.420E r_0 3.285E-10 109 5.956E r_2 1.451E r_0 3.338E-10 109 5.956E r_2 1.451E r_0 3.430E-10 111 e_106E r_2 1.468E<	91	4.999E 02	1.348E 00	5.5076-03	2.830E-10	1.558E-12
33 $5.110E$ 12 $1.369E$ 100 $2.892E-10$ $2.923E-10$ $1.497E-12$ 95 $5.221E$ 12 $1.373E$ 00 $2.923E-10$ $1.497E-12$ 96 $5.276E$ 12 $1.366E$ 00 $2.982E-10$ 97 $5.331E$ 12 $1.366E$ 00 $2.982E-10$ 97 $5.331E$ 12 $1.366E$ 00 $2.982E-10$ 97 $5.331E$ 12 $1.366E$ 00 $2.982E-10$ 98 $5.387E$ 12 $1.373E$ 00 $3.069E-10$ 99 $5.442E$ 12 $1.389E$ 100 $3.062E-10$ 100 $5.497E$ $12.389E$ 100 $3.069E-10$ $1.284E-12$ 101 $5.653E$ 02 $1.397E$ 00 $3.117E-10$ 102 $5.608E$ 02 $1.397E$ 00 $3.117E-10$ 103 $5.663E$ 02 $1.394E$ 00 $3.667E-03$ $3.175E-10$ 105 $5.774E$ $12.440E$ 00 $3.231E-10$ $1.164E-12$ 105 $5.774E$ $12.420F$ 00 $3.285E-10$ $1.068E-12$ 106 $5.864E$ 02 $1.420F$ 00 $3.328E-10$ $1.056E-12$ 106 $5.975E-12$ $1.420F$ 00 $3.338E-10$ $1.056E-13$ 116 $6.161E$ 02 $1.468E$ 00 $3.399E-10$ 111 $6.161E$ 02 $1.468E$ 00 $3.430E-10$ 112 $6.161E$ 02 1	92	5.055E 02	1.359E CG		2.861E-10	
945.165E r_2 1.373E0C5.123E-032.923E-101.497E-12955.221E021.373E0C2.982E-102.982E-101.333E-12965.373E021.366E0C4.450E-C33.009E-101.333E-12985.387E021.366E0C4.450E-C33.036E-101.339E-12985.387E021.373E0C3.036E-103.036E-101.284E-12995.442E021.385E0C3.062E-101.284E-121015.553E021.397E0C3.117E-101.284E-121025.608E021.395E0C3.146E-101.164E-121035.663E021.396E003.204E-101.164E-121045.719E021.396E003.231E-101.688E-121055.774E021.402E0C3.231E-101.088E-121065.842E021.434E0C3.238E-101.056E-121075.885E021.442E0C3.338E-101.056E-121085.995E1.420F0C3.368E-101.056E-121196.051E021.468E0C3.399E-101.056E-131126.161E021.462E0C3.430E-109.956E-131136.216E021.462E0C3.517E-108.556E-131146.272E1.442E0C3.597E-108.586E-1311	53	5.110E 02	1.369E CC		2.892E-10	
95 $5.221E \ n2$ $1.373E \ n2$ $2.954E-10$ 96 $5.276E \ n2$ $1.366E \ n2$ $2.982E-10$ 97 $5.331E \ n2$ $1.366E \ n2$ $3.009E-10$ 98 $5.387E \ n2$ $1.373E \ n2$ $3.036E-10$ 99 $5.442E \ n2$ $1.385E \ n2$ $3.036E-10$ 100 $5.497E \ n2$ $1.398E \ n2$ $3.036E-10$ 101 $5.553E \ n2$ $1.395E \ n2$ $3.117E-10$ 102 $5.608E \ n2$ $1.395E \ n2$ $3.117E-10$ 103 $5.663E \ n2$ $1.395E \ n2$ $3.146E-10$ 103 $5.663E \ n2$ $1.395E \ n2$ $3.204E-10$ 104 $5.719E \ n2$ $1.396E \ n2$ $3.204E-10$ 105 $5.774E \ n2$ $1.402E \ n2$ $3.204E-10$ 106 $5.829E \ n2$ $1.410E \ n2$ $3.231E-10$ 107 $5.895E \ n2$ $1.420E \ n2$ $3.285E-10$ 108 $5.94CE \ n2$ $1.432E \ n2$ $3.285E-10$ 109 $5.955E \ n2$ $1.420E \ n2$ $3.285E-10$ 109 $5.955E \ n2$ $1.4420E \ n2$ $3.338E-10$ 109 $5.955E \ n2$ $1.4420E \ n2$ $3.338E-10$ 111 $6.161E \ n2$ $1.468E \ n2$ $3.437E-10$ 112 $6.161E \ n2$ $1.468E \ n2$ $3.461E-10$ 113 $6.216E \ n2$ $1.462E \ n2$ $3.461E-10$ 114 $6.727E \ n2$ $1.452E \ n2$ $3.517E-10$ 115 $6.327E \ n2$ $1.478E \ n2$ $3.597E-10$ 116 $6.382E \ n2$ $1.478E \ n2$ $3.597E-10$	94	5.165E C2	1.373E 0C	5.1236-03	2.923E-10	1.497E-12
94 $5.276E$ $1.366E$ 0.0 $2.982E-10$ 97 $5.331E$ 0.2 $1.366E$ 0.0 $4.450E-0.3$ $3.009E-10$ $1.339E-12$ 98 $5.387E$ 0.2 $1.373E$ 0.0 $3.036E-10$ $1.339E-12$ 98 $5.442E$ 0.2 $1.385E$ 0.0 $3.062E-10$ $1.284E-12$ 101 $5.497E$ 0.2 $1.398E$ 0.0 $3.062E-10$ $1.284E-12$ 101 $5.553E$ 0.2 $1.398E$ 0.0 $3.117E-10$ $1.284E-12$ 102 $5.608E$ 0.2 $1.394E$ 0.0 $3.175E-10$ $1.164E-12$ 103 $5.663E$ 0.2 $1.396E$ 0.0 $3.204E-10$ $1.164E-12$ 104 $5.714E$ 0.2 $1.402E$ 0.0 $3.231E-10$ $1.164E-12$ 105 $5.774E$ 0.2 $1.402E$ 0.0 $3.238E-10$ $1.088E-12$ 106 $5.829E$ 0.2 $1.420E$ 0.0 $3.238E-10$ $1.056E-12$ 107 $5.845E$ 0.2 $1.434E$ 0.0 $3.338E-10$ $1.056E-12$ 108 $5.95E$ $2.1.434E$ 0.0 $3.338E-10$ $1.056E-12$ 110 $6.051E$ 0.2 $1.468E$ 0.0 $3.399E-10$ 112 $6.161E$ 0.2 $1.462E$ 0.0 $3.430E-10$ 113 $6.216E$ 0.2 $1.462E$ 0.0 $3.430E-10$ 114 $6.372E$ 0.2 $1.435E$ 0.0 $2.387E-0.3$ $3.517E-10$ 115 $6.382E$ <t< td=""><td>95</td><td>5.221E 02</td><td>1.373E CC</td><td></td><td>2.954E-10</td><td></td></t<>	95	5.221E 02	1.373E CC		2.954E-10	
97 $5.331E$ 02 $1.366E$ 00 $4.450E-03$ $3.009E-10$ $1.339E-12$ 98 $5.387E$ 02 $1.373E$ 00 $3.036E-10$ $3.036E-10$ 100 $5.442E$ 02 $1.39E$ 00 $3.062E-10$ 101 $5.553E$ 02 $1.39E$ 00 $3.089E-10$ $1.284E-12$ 101 $5.553E$ 02 $1.39E$ 00 $3.117E-10$ $1.284E-12$ 102 $5.608E$ 02 $1.395E$ 00 $3.146E-10$ $1.164E-12$ 103 $5.663E$ 02 $1.394E$ 00 $3.667E-03$ $3.175E-10$ $1.164E-12$ 104 $5.719E$ 02 $1.394E$ 00 $3.204E-10$ $3.231E-10$ 105 $5.774E$ 02 $1.402E$ 00 $3.231E-10$ $1.088E-12$ 105 $5.774E$ 02 $1.420E$ 00 $3.231E-10$ $1.088E-12$ 107 $5.885E$ 02 $1.420E$ 00 $3.285E-10$ $1.056E-12$ 108 $5.940E$ 02 $1.420E$ 00 $3.349E-10$ $1.056E-12$ 109 $5.940E$ 02 $1.451E$ 00 $3.398E-10$ $1.056E-12$ 110 $6.51E$ 02 $1.468E$ 00 $3.399E-10$ $3.430E-10$ 111 $6.161E$ 02 $1.468E$ 00 $3.430E-10$ $9.956E-13$ 113 $6.216E$ 02 $1.468E$ 00 $3.544E-10$ $3.556E-13$ 114 $6.372E$ 02 $1.$	96	5.276E 02	1.366E CC		2.982E-10	
98 $5.387E$ $1.373E$ $1.373E$ $3.736E-10$ 99 $5.442E$ $1.385E$ $1.385E$ $3.662E-10$ 101 $5.697E$ $1.398E$ $1.397E$ $3.689E-10$ 102 $5.608E$ $1.397E$ $3.177E-10$ 102 $5.608E$ 2 $1.395E$ $3.175E-10$ 103 $5.663E$ 2 $1.394E$ $0.3.667E-03$ 104 $5.719E$ 2 $1.394E$ $0.3.667E-03$ 105 $5.774E$ 2 $1.402E$ $0.3.231E-10$ 106 $5.829E$ 0.2 $1.410E$ $0.3.340E-03$ 107 $5.885E$ 0.2 $1.420F$ $0.3.285E-10$ 108 $5.946E$ 0.2 $1.420F$ $0.3.285E-10$ 109 $5.995E$ 0.2 $1.434E$ $0.3.340E-03$ 109 $5.995E$ 0.2 $1.420F$ $0.3.163E-03$ 109 $5.995E$ 0.2 $1.420F$ $0.3.163E-03$ 101 $6.051E$ 0.2 $1.468E$ $0.3.163E-03$ 102 $5.995E$ 0.2 $1.468E$ $0.3.163E-03$ 103 $6.216E$ 0.2 $1.468E$ $0.3.163E-03$ 101 $6.101E$ 0.2 $1.468E$ $0.3.99E-10$ 112 $6.161E$ 0.2 $1.468E$ 0.2 113 $6.216E$ 0.2 $1.462E$ 0.2 114 $6.972E$ 0.2 $1.462E$ 0.2 115 $6.327E$ 0.2 $1.439E$ 0.2 116 $6.382E$ 0.2 $1.439E$ 0.2 <t< td=""><td>97</td><td>5.331E 02</td><td>1.366E 00</td><td>4.450E-C3</td><td>3.009E-10</td><td>1.339E-12</td></t<>	97	5.331E 02	1.366E 00	4.450E-C3	3.009E-10	1.339E-12
99 $5.442E$ $1.385E$ 100 $3.062E-10$ $1.284E-12$ 101 $5.497E$ 12 $1.398E$ 100 $4.157E-03$ $3.089E-10$ $1.284E-12$ 101 $5.553E$ 02 $1.395E$ 100 $3.117E-10$ $1.284E-12$ 102 $5.608E$ 02 $1.395E$ 100 $3.117E-10$ $1.164E-12$ 103 $5.663E$ 02 $1.394E$ 00 $3.667E-03$ $3.175E-10$ $1.164E-12$ 104 $5.719E$ 02 $1.394E$ 00 $3.667E-03$ $3.204E-10$ 105 $5.774E$ 02 $1.402E$ 00 $3.231E-10$ 105 $5.774E$ 02 $1.402E$ 00 $3.231E-10$ 105 $5.774E$ 02 $1.420E$ 00 $3.231E-10$ 106 $5.829E$ 02 $1.440E$ 00 $3.340E-03$ $3.278E-10$ 107 $5.885E$ 02 $1.443E$ 00 $3.368E-10$ $3.338E-10$ 109 $5.995E$ 02 $1.446E$ 00 $3.368E-10$ $3.399E-10$ 111 $6.101E$ 02 $1.468E$ 00 $3.430E-10$ $9.956E-13$ 112 $6.161E$ 02 $1.442E$ 00 $3.517E-10$ $8.556E-13$ 113 $6.216E$ 02 $1.478E$ 00 $3.517E-10$ $8.586E-13$ 116 $6.382E$ 02 $1.478E$ 00 $3.597E-10$ $8.586E-13$ 116 $6.438E$ 02 $1.523E$ 00 $3.650E-10$ <	98	5.387E C2	1.373E CC		3.036E-10	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ç ġ	5.442E C2	1.385E CC		3.0626-10	
101 $5.53E$ 02 $1.397E$ 02 $3.117E-10$ 102 $5.608E$ 02 $1.395E$ 02 $3.146E-10$ 103 $5.663E$ 02 $1.394E$ 00 $3.667E-03$ $3.175E-10$ 104 $5.719E$ 02 $1.396E$ 00 $3.204E-10$ 105 $5.774E$ 02 $1.402E$ 00 $3.231E-10$ 106 $5.829E$ 02 $1.410E$ 00 $3.231E-10$ 106 $5.829E$ 02 $1.410E$ 00 $3.231E-10$ 107 $5.885E$ 02 $1.420E$ 00 $3.285E-10$ 107 $5.895E$ 02 $1.420E$ 00 $3.285E-10$ 107 $5.895E$ 02 $1.434E$ 00 $3.331E-10$ 109 $5.995E$ 02 $1.451E$ 00 $3.368E-10$ 110 $6.051E$ 02 $1.468E$ 00 $3.368E-10$ 111 $6.161E$ 02 $1.468E$ 00 $3.430E-10$ 112 $6.161E$ 02 $1.468E$ 00 $3.430E-10$ 112 $6.161E$ 02 $1.462E$ 00 $3.430E-10$ 113 $6.216E$ 02 $1.435E$ 00 $2.433E-03$ 114 $6.382E$ 02 $1.435E$ 00 $2.387E-03$ 116 $6.382E$ 02 $1.478E$ 00 $3.570E-10$ 118 $6.493E$ 02 $1.515E$ 00 $3.650E-13$ 112 $6.604E$ 02 $1.523E$ <	100	5.497E C2	1.398E CC	4.157E-03	3.0896-10	1.284E-12
$1 \circ 2$ $5 \cdot 6 \circ 8 E \circ 2$ $1 \cdot 3 \circ 5 E \circ C$ $3 \cdot 14 \circ E = 1 \circ$ $1 \circ 3$ $5 \cdot 6 \circ 3 E \circ 2$ $1 \cdot 3 \circ 4 E \circ 0$ $3 \cdot 6 \circ 7 E = 0 3$ $3 \cdot 17 \cdot 5 E = 1 \circ$ $1 \cdot 16 \cdot 4 E = 1 \cdot 2$ $1 \circ 4$ $5 \cdot 71 \circ 4 E \circ 2$ $1 \cdot 3 \circ 6 E \circ 0$ $3 \cdot 2 \circ 4 E = 1 \circ$ $3 \cdot 2 \circ 4 E = 1 \circ$ $1 \cdot 16 \cdot 4 E = 1 \cdot 2$ $1 \circ 5$ $5 \cdot 77 \cdot 4 E \circ 2$ $1 \cdot 4 \circ 0 E \circ 0$ $3 \cdot 3 \circ 4 \circ 1 = 0$ $3 \cdot 2 \circ 3 \cdot 1 = 1 \circ$ $1 \cdot 6 \cdot 6 \cdot 4 = 1 \cdot 2$ $1 \circ 7$ $5 \cdot 8 \circ 5 \circ 5 = 0 \cdot 2$ $1 \cdot 4 \circ 0 E \circ 0$ $3 \cdot 3 \circ 4 \circ 1 = 0 \cdot 3$ $3 \cdot 2 \circ 5 = 1 \circ 1 \cdot 4 \circ 1 = 1 \cdot 4 \circ 1 = 0 \cdot 2$ $1 \circ 7$ $5 \cdot 8 \circ 5 \circ 5 = 0 \cdot 2$ $1 \cdot 4 \circ 3 \cdot 4 \circ 1 = 0 \circ 0$ $3 \cdot 3 \circ 3 \circ 1 = 1 \circ 1 \cdot 0 = 1 \cdot 4 \circ 1 = 0 \cdot 2$ $3 \cdot 16 \circ 3 \circ $	101	5.553E 02	1.397E CC		3.117E-10	
103 $5.663E$ 02 $1.394E$ 00 $3.667E-03$ $3.175E-10$ $1.164E-12$ 104 $5.719E$ 02 $1.396E$ 00 $3.204E-10$ $3.204E-10$ 105 $5.774E$ 02 $1.402E$ 00 $3.231E-10$ $3.231E-10$ 106 $5.829E$ 02 $1.410E$ 00 $3.340E-03$ $3.258E-10$ $1.088E-12$ 107 $5.845E$ 02 $1.420F$ 00 $3.340E-03$ $3.258E-10$ $1.088E-12$ 108 $5.945E$ 02 $1.434E$ 00 $3.340E-03$ $3.338E-10$ $1.056E-12$ 109 $5.995E$ 02 $1.451E$ 00 $3.163E-03$ $3.338E-10$ $1.056E-12$ 110 $6.051E$ 02 $1.468E$ 00 $3.368E-10$ $1.056E-12$ 111 $6.161E$ 02 $1.468E$ 00 $3.399E-10$ $1.056E-13$ 112 $6.161E$ 02 $1.468E$ 00 $3.430E-10$ $9.956E-13$ 113 $6.216E$ 02 $1.462E$ 00 $3.440E-10$ $9.956E-13$ 114 $6.772E$ 02 $1.442F$ 00 $3.517E-10$ $8.556E-13$ 116 $6.382E$ 02 $1.478E$ 00 $3.570F-10$ $8.586E-13$ 112 $6.438E$ 02 $1.574E$ 00 $3.597E-10$ $8.586E-13$ 116 $6.382E$ 02 $1.574E$ 00 $3.650E-10$ 118 $6.493F$ 02 $1.523F$ 00 $3.650E-10$ 120 $6.674E$ 02	172	5.608E 02	1.395F CC		3.146E-10	
104 $5.719E$ 02 $1.396E$ 00 $3.204E-10$ 105 $5.774E$ 02 $1.402E$ 00 $3.231E-10$ 106 $5.829E$ 02 $1.410E$ 00 $3.340E-03$ $3.258E-10$ 107 $5.885E$ 02 $1.420F$ 00 $3.340E-03$ $3.285E-10$ 108 $5.940E$ 02 $1.420F$ 00 $3.340E-03$ $3.231E-10$ 109 $5.995E$ 02 $1.451E$ 00 $3.311E-10$ 109 $5.995E$ 02 $1.451E$ 00 $3.368E-10$ 110 $6.051E$ 02 $1.461E$ 00 $3.368E-10$ 111 $6.161E$ 02 $1.468E$ 00 $3.399E-10$ 112 $6.161E$ 02 $1.468E$ 00 $3.430E-10$ 112 $6.161E$ 02 $1.462E$ 00 $3.430E-10$ 112 $6.161E$ 02 $1.462E$ 00 $3.440E-10$ 113 $6.216E$ 02 $1.442F$ 00 $3.440E-10$ 114 $6.372E$ 02 $1.435E$ 00 $2.433E-03$ $3.517E-10$ 116 $6.382E$ 02 $1.478E$ 00 $3.570F-10$ 118 $6.493E$ 02 $1.575E$ 00 $3.650E-13$ 116 $6.548E$ 02 $1.523F$ 00 $3.650E-10$	103	5.663E 02	1.394E 00	3.667E-03	3.175E-10	1.164E-12
105 $5.774E$ $C2$ $1.402E$ CC $3.231E-10$ 106 $5.829E$ 02 $1.410E$ 00 $3.340E-03$ $3.258E-10$ $1.088E-12$ 107 $5.885E$ 02 $1.420F$ $0C$ $3.285E-10$ $1.088E-12$ 108 $5.94CE$ 02 $1.434E$ $0C$ $3.311E-10$ 109 $5.995E$ 02 $1.451E$ $0C$ $3.163E-03$ $3.338E-10$ 110 $6.051E$ 02 $1.461E$ $0C$ $3.368E-10$ 111 $6.161E$ 02 $1.468E$ $0C$ $3.399E-10$ 112 $6.161E$ 02 $1.468E$ $0C$ $3.430E-10$ 112 $6.161E$ 02 $1.462E$ $0C$ $3.440E-10$ 113 $6.216E$ 02 $1.442F$ $0C$ $3.440E-10$ 114 $6.272E$ 02 $1.442F$ $0C$ $3.517E-10$ 115 $6.327E$ 02 $1.435E$ $0C$ $3.544E+10$ 117 $6.438E$ 02 $1.478E$ $0C$ $3.570F-10$ 118 $6.493F$ 02 $1.576E$ $0C$ $3.657E-10$ 118 $6.493F$ 02 $1.523F$ $0C$ $3.650F-10$ 120 $6.604E$ 02 $1.523F$ $0C$ $3.650F-10$	104	5.719E C2	1.396E 00		3.204E-10	
106 5.829E 02 1.410E 00 3.340E-03 3.258E-10 1.088E-12 107 5.885E 02 1.420E 00 3.340E-03 3.285E-10 1.088E-12 108 5.540E 02 1.434E 00 3.311E-10 3.338E-10 1.056E-12 109 5.595E 02 1.451E 00 3.163E-03 3.338E-10 1.056E-12 110 6.051E 02 1.461E 00 3.368E-10 1.056E-12 111 6.161E 02 1.468E 00 3.399E-10 1.056E-13 112 6.161E 02 1.468E 00 3.430E-10 9.956E-13 112 6.161E 02 1.462E 00 3.440E-10 9.956E-13 113 6.216E 02 1.442E 00 3.440E-10 11 114 6.327E 02 1.4435E 00 2.433E-03 3.517E-10 8.556E-13 116 6.382E 02 1.478E 00 3.570F-10 8.586E-13 117 6.438E 02	105	5.774E C2	1.402E CC		3.231E-10	
107 $5.885E$ 02 $1.420E$ 00 $3.285E-10$ 108 $5.540E$ 02 $1.434E$ 00 $3.311E-10$ 109 $5.595E$ 02 $1.451E$ 00 $3.338E-10$ 110 $6.051E$ 02 $1.461E$ 00 $3.368E-10$ 111 $6.051E$ 02 $1.468E$ 00 $3.399E-10$ 112 $6.161E$ 02 $1.468E$ 00 $3.430E-10$ 112 $6.161E$ 02 $1.468E$ 00 $3.430E-10$ 113 $6.216E$ 02 $1.462E$ 00 $3.461E-10$ 114 $6.272E$ 02 $1.442E$ 00 $3.490E-10$ 115 $6.327E$ 02 $1.442E$ 00 $3.517E-10$ $8.556E-13$ 116 $6.382E$ 02 $1.455E$ 00 $3.570E-10$ $8.586E-13$ 116 $6.438E$ 02 $1.504E$ 00 $2.387E-03$ $3.597E-10$ $8.586E-13$ 116 $6.548E$ 02 $1.515E$ 00 $3.650E-10$ $3.650E-10$	176	5.829E 02	1.410E 00	3.347E-03	3.258E-10	1.0886-12
108 5.94CE 1.434E CC 3.311E-10 109 5.995E 1.451E CC 3.338E-10 1.056E-12 110 6.051E 1.461E CC 3.368E-10 1.056E-12 111 6.161E 02 1.468E CC 3.399E-10 112 6.161E 02 1.468E CC 3.399E-10 113 6.216E 02 1.468E CC 3.430E-10 9.956E-13 113 6.216E 02 1.462E CC 3.440E-10 9.956E-13 114 6.272E C2 1.442F CC 3.49CE-10 1.556E-13 116 6.382E C2 1.435E CC 3.517E-10 8.556E-13 116 6.382E C2 1.455E CC 3.570E-10 8.586E-13 117 6.438E C2 1.504E CC 3.597E-10 8.586E-13 118 6.493F C2 1.515E CC 3.650E-10 3.650E-10 120 6.604E C2 1.523F CC 3.650E-10 3.65	107	5.885E C2	1.420F 00		3.285E-10	
109 5.995E 1.451E 00 3.163E-03 3.338E-10 1.056E-12 110 6.051E 02 1.461E 00 3.368E-10 3.399E-10 111 6.106E 02 1.468E 00 3.399E-10 3.430E-10 9.956E-13 112 6.161E 02 1.468E 00 3.430E-10 9.956E-13 113 6.216E 02 1.462E 00 3.440E-10 9.956E-13 114 6.272E 02 1.442F 00 3.490E-10 9.956E-13 114 6.327E 02 1.435E 00 2.433E-03 3.517E-10 8.556E-13 116 6.382E 02 1.455E 00 3.570F-10 8.586E-13 117 6.438E 02 1.504E 00 2.387E-03 3.597E-10 8.586E-13 118 6.493F 02 1.515E 00 3.650F-10 3.650F-10 120 6.604E 02 1.523F 00 3.650F-10 3.650F-10	108	5.94CE 02	1.434E CC		3.311E+10	
110 6.051E 1.461E 00 3.368E-10 111 6.106E 02 1.468E 00 3.399E-10 112 6.161E 02 1.468E 00 3.430E-10 9.956E-13 113 6.216E 02 1.468E 00 3.440E-10 9.956E-13 113 6.216E 02 1.462E 00 3.461E-10 9.956E-13 114 6.272E 02 1.442F 00 3.490E-10 9.956E-13 115 6.327E 02 1.435E 00 2.433E-03 3.517E-10 8.556E-13 116 6.382E 02 1.455E 00 3.544E+10 3.570F-10 117 6.438E 02 1.504E 00 2.387E-03 3.597E-10 8.586E-13 118 6.493F 02 1.515E 00 3.623E-10 3.650E-10 120 6.604E 02 1.523F 00 3.650E-10 3.650E-10	109	5.995E C2	1.451E CC	3.163E-03	3.338E-10	1.056E-12
111 6.106E 02 1.468E 0C 3.399E-10 112 6.161E 02 1.468E 0C 3.430E-10 9.956E-13 113 6.216E 02 1.462E 0C 3.461E-10 9.956E-13 114 6.272E 02 1.442F 0C 3.490E-10 1.490E-10 115 6.327E 02 1.442F 0C 3.517E-10 8.556E-13 116 6.382E 02 1.455E 0C 3.544E+10 1.570E-10 117 6.438E 02 1.478E 0C 3.570E-10 8.586E-13 118 6.493F 02 1.504E 0C 2.387E-03 3.597E-10 8.586E-13 119 6.548E 02 1.515E 0C 3.650E-10 3.650E-10	110	6.051E 02	1.461E 00		3.3686-10	
112 6.161E 0.2 1.468E 0.2.903E-03 3.430E-10 9.956E-13 113 6.216E 0.2 1.462E 0.0 3.461E-10 3.460E-10 114 6.272E 0.2 1.442F 0.0 3.490E-10 3.490E-10 115 6.327E 0.2 1.435E 0.0 2.433E-03 3.517E-10 8.556E-13 116 6.382E 0.2 1.455E 0.0 3.544E+10 3.570F-10 117 6.438E 0.2 1.478E 0.0 3.570F-10 8.586E-13 118 6.493F 0.2 1.504E 0.0 2.387E-03 3.597E-10 8.586E-13 119 6.548E 0.2 1.515E 0.0 3.650E-10 120 6.604E 0.2 1.523F 0.0 3.650E-10	111	6.106E C2	1.468E CC		3.399E-10	
113 6.216E 1.462E 0 3.461E-10 114 6.272E 02 1.442F 00 3.490E-10 115 6.327E 02 1.435E 00 2.433E-03 3.517E-10 8.556E-13 116 6.382E 02 1.455E 00 3.544E+10 3.570F-10 117 6.438E 02 1.478E 00 3.570F-10 8.586E-13 118 6.493F 02 1.504E 00 2.387E-03 3.597E-10 8.586E-13 119 6.548E 02 1.515E 00 3.623E-10 3.650E-10 120 6.604E 02 1.523E 00 3.650E-10	112	6.161E 02	1.468F CC	2.9035-03	3.430E-10	9.956E-13
114 6.272E 1.442F 1 3.490E-10 115 6.327E 1.435E 00 2.433E-03 3.517E-10 8.556E-13 116 6.382E 1.455E 00 2.433E-03 3.517E-10 8.556E-13 116 6.382E 1.455E 00 3.544E+10 3.570E-10 117 6.438E 02 1.478E 00 3.570E-10 8.586E-13 118 6.493E 02 1.504E 00 2.387E-03 3.597E-10 8.586E-13 119 6.548E 02 1.515E 00 3.623E-10 3.650E-10 120 6.604E 02 1.523E 00 3.650E-10	113	6.216E C2	1.462E °C		3.461E-10	
115 6.327E 02 1.435E 00 2.433E-03 3.517E-10 8.556E-13 116 6.382E 02 1.455E 00 3.544E+10 117 6.438E 02 1.478E 00 3.570E-10 118 6.493E 02 1.504E 02 3.597E-10 8.586E-13 119 6.548E 02 1.515E 00 3.623E-10 3.650E-10 120 6.604E 02 1.523E 00 3.650E-10	114	6.272E C2	1.442F CC		3.49CE-10	
116 6.382E 1.455E 00 3.544E+10 117 6.438E 02 1.478E 00 3.570E-10 118 6.493E 02 1.504E 00 2.387E-03 3.597E-10 8.586E-13 119 6.548E 02 1.515E 00 3.623E-10 3.650E-10 120 6.604E 02 1.523E 00 3.650E-10	115	6.327E C2	1.435E CC	2.433E-03	3.517E-10	8.556E-13
117 6.438E C2 1.478E CC 3.570E-10 118 6.493E C2 1.504E CC 2.387E-03 3.597E-10 8.586E-13 119 6.548E C2 1.515E CC 3.623E-10 120 6.604E C2 1.523E CC 3.650E-10	116	6.382E C2	1.455E CC		3.544E-10	
118 6.493F 1.504E 00 2.387E-03 3.597E-10 8.586E-13 119 6.548E 02 1.515E 00 3.623E-10 120 6.604E 02 1.523F 00 3.650F-10	117	6.4388 02	1.478E CC		3.570F-10	
119 6.548E 02 1.515E 00 3.623E-10 120 6.604E 02 1.523E 00 3.650E-10	118	6.493F C2	1.504E 00	2.387E-03	2.597E-10	8.586E-13
120 6.604E 02 1.523E 00 3.650E-10	110	6.548E 02	1.515E CC		3.623E-10	
	120	6.604E 02	1.523E 00		3.650E-10	

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CHANNEL	ENERGY KEV		CORR.F/	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
121	6.659E	r 2	1.524E	0.Q	2.181E-03	3.676E-10	8.02CE-13
122	6.714E	r 2	1.522E	CO		3.703E-10	
123	6.770E	C 2	1.509E	C C		3.729E-10	
124	6.825E	C 2	1.500E	00	1.8596-03	3.756E-10	6.983E-13
125	6.880E	C2	1.496E	CC		3.7836-10	
126	6.936E	02	1.493E	0.0		3.809E-10	
127	6.991E	02	1.492E	00	1.629E-03	3.836E-10	6.249E-13
128	7.046E	<u>2</u>	1.513E	C C		3.868E-10	
129	7.172E	° 2	1.537E	00		3.901E-10	
130	7.1576	r 2	1.549E	0.0	1.568E-03	3.934E-10	6.169E-13
171	7.212E	n2	1.557E	CC		3.967E-10	
132	7.268E	<u> </u>	1.555E	0.0		3.998E-10	
133	7.323E	r 2	1.559E	C 0	1.3926-03	4.022E-10	5.599E-13
134	7.378E	n2	1.571E	0.0		4.046E-10	
135	7.434E	<u>2</u>	1.585E	00		4.071E-10	
136	7.489E	C 2	1.600E	00	1.2996-03	4.095E-10	5.3216-13
137	7.544E	C 2	1.609E	00		4.123E-10	
138	7.60CE	02	1.617E	00		4.152E-10	
139	7.655E	02	1.612E	00	1.154E-03	4.181E-10	4.826E-13
140	7.71CE	2 1	1.604E	a c		4.209E-10	
141	7.766E	02	1.581E	CO		4.237E-10	
142	7.821E	° 2	1.566E	00	9.2978-04	4.261E-10	3.962E-13
143	7.876E	°2	1.563E	00		4.286E-10	
144	7.932E	02	1.562E	00		4.310E-10	
145	7.987E	° 2	1.562E	0.0	7.921E-04	4.334E-10	3.433E-13
146	8. C42E	r 2	1.582E	C C		4.364E-10	
147	8.097E	02	1.609E	00		4-3956-10	
148	8.153E	2	1.624E	00	7.394E-04	4.426E-10	3.272E-13
149	8.208E	02	1.635E	00		4.457E-10	
150	8.263E	2 1	1.635E	C C		4.486E-10	
151	8.319E	C 2	1.637E	00	6.367E-04	4.51CE-10	2.872E-13
152	8.374E	02	1.641E	00		4.535E-10	
153	8.429E	2	1.646E	00		4.559E-10	
154	8.485E	02	1.651E	00	5.4856-04	4.583E-10	2.514E-13
155	8.54CE	° 2	1.673E	CO		4.609E-10	
156	8.595E	2	1.7C1E	C O		4.636E-10	
157	8.651E	2	1.699E	00	4.981E-04	4.662E-10	2.3225-13
158	8.7C6E	12	1.691E	¢a –		4.689E-10	
159	8.761F	าวั	1.644E	0.0		4.715E-10	
160	8.817E	2	1.617E	10	3.622E-04	4.739E-10	1.716E-13

TADGET A	0	٥	TAKTOENT	ELECTRON.	ENEDGY	1.0	MEV
IARGEII	NO .	0	INCIDENT	ELECIRON	ENERGT	1.0	MEV

CHANN	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
161	8.872F C?	1.635E CC		4.764E-10	
162	8.927E 02	1.66CE CC		4.788E-10	
163	8.983E C2	1.693E CC	3.284E-04	4.812E-10	1.580E-13
164	5.038E 02	1.721E CC		4.84CE-10	
165	9.093E 02	1.745E CC		4.869E-10	
166	5.149E 02	1.749E 00	2.820E-04	4.897E-10	1.381E-13
167	5.204E 02	1.747F CO		4.926E-10	
168	5.259E C2	1.712E 00		4.954E-10	
169	9.315E C2	1.683E CC	1.981E-04	4.978E-10	9.861E-14
170	9.37CE C2	1.672E CO		5.003E-10	
171	9.425E C2	1.66CE CC		5.027E-10	
172	5.481E C2	1.647E 0C	1.402E-04	5.051E-10	7.084E-14
173	9.536E ^2	1.647E CC		5.077E-10	
174	5.591E C2	1.653E CC		5.104E-10	
175	9.647E ^2	1.633E 00	9.726E-05	5.13CE-10	4.990E-14
176	5.702E 02	1.605E CO		5.157E-10	
דדן	5.757E C2	1.512E 00		5.183E-10	
178	5.813E C2	1.424F CC	4.643E-05	5.208E-10	2.418E-14
175	5.868E 02	1.352E CC		5.232E-10	
180	9.923E 02	1.006E CC		5.256E-10	
181	9.978E C2	2.817E-C1	4.084E-06	5.281F-10	2.157E-15
182	1.003E 03	0.0		5.305E-10	

COSE= 1.583E-12 R-SQ.CM./ELECTRON

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TAR	GET NO. 9 INC	IDENT FLECTRO	N ENERGY 1.	D MEV		
CH.	NET PULSE HF	IGHT' SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PH)	() .
	7.5	15.0	30.0	45.0	60.0	75.0
7	3.038E-02	5.570E-02	7.468E-02	7.109E-02	4.4896-02	1.790E-02
10	4.279E-02	7.684E-02	1.065E-01	9.646E-02	6.227E-02	2.467E-02
13	4.446E-02	8.1256-02	1.1056-01	9.957E-02	6.420E-02	2.5436-02
16	4.230E-02	7.539E-0?	1.008E-01	9.125E-02	5.8856-02	2.304E-02
19	3.782E-02	6.756E-C2	8.933E-02	8.088E-02	5.209E-02	2.041E-02
22	3.472E-02	6.108E-02	8.078E-02	7.242E-02	4.556E-02	1.795E-02
- 25	2.991E-02	5.432E-02	7.069E-02	6.267E-02	3.9906-02	1.574E-02
28	2.657E-02	4.746E-02	6.215E-02	5.441E-02	3.487E-02	1.3456-02
31	2.375E-02	4.224E-02	5.396E-02	4.705E-02	3-0406-02	1.165E-0Z
- 34	2.121E-02	3.7598-02	4.899E-02	4.269E-02	2.661E-02	1.0308-02
37	1.8565-02	3.307E-02	4.3076-02	3.621E-02	2.311E-02	E.931E-03
40	1.6438-02	2.8885-02	3.7396-02	3.1556-02	2.012E-02	7.837E-03
43	1.4565-02	2.5995-02	3.351E-02	2.154E-02	1.7076-02	6.648E~03
46	1.333E-02	2.3186-02	2.9358-02	2.4/45-02	1.3436-02	E+009E+03
49	1.1876-02	2.0556-02	2.5802-02	2.204E-02	1.3965-02	5.229E-03
52	1.0485-02	1.85/2-02	2.34/2-02	1.9382-02	1.2136-02	4.5891-03
22	9.722E-03	1.7096-02	2.120t-02	1.741E-02	1.0846-02	4.2002-03
58	3.C07E-113	1.3705-02	1.005-02	1.30UE-UZ	9.7042-03	5.5982-05
10	7.9916-03	1.3535-02	1 5335-03	1.3715-02	0+403E+03 7 404E-03	3.240t-03
	1 1 2 LET 0 3	1.1445-02	1.7225-02	1.1245-02	1.444C-(1)	2.9130-03
10	0.7V9E=03	1.0105-02	1 2745-02	1.0016-02	0.904E-03	2.2425-03
70	5 2225-02	1.1195-02	1 1455-02	0.0125-02	5 4745-03	2.2335-03
74	4 0005-03	9.400E-03	1 0166-02	9.1145-03	5.4/40-03	1 9415-03
70	4 4125-03	7.0795-03	9.4055-03	7.5946-03	4.4345-03	1.6010-03
82	4.0465-03	7.0035-03	8.626E=03	A.666F=03	3.0315-03	1.5375-03
95	3.7585-07	A. 596E=03	7.6306-03	5.9576-03	3.4685-03	1.3565-03
92	3.376E=03	5.883E+03	A. 8995-03	5-303E=03	3.1025-03	1.1346-03
0 1	3.0425-03	5.522E-03	6.5225-03	5.1795-03	3.0305-03	1.0826-03
94	2.865E-03	4.968E-03	5.6356-03	4.274F-03	2.474F-03	G.1536-C4
07	2.5876-03	4.5365-03	5.029F+03	3.9076-03	2.3016-03	P. 376F=04
100	2.4105-03	4.017E-03	4.552E-03	3-529E-03	2.0516-03	7.2726-04
103	2.174E-03	3.826E-C3	4.393E-03	3-0995-03	1.8135-03	6.973E-04
106	1.9805-03	3.279F-C3	3.759E-03	2.777E-03	1.6255-03	6.027E-04
109	1.821E-03	3.2238-03	3.525E-03	2.765E-03	1.576F-03	5-362E-04
112	1.691E-03	2.886E-C3	3.202E-03	2.411E-03	1.349E-03	4.455E-C4
115	1.549E-03	2.641E-03	2.943E-03	2.093E-03	1.074E-03	4.269E-04
119	1.421E-03	2.458E-C3	2.552E-03	1.905E-03	1.0826-03	3.664E-04
121	1.267E-03	2.1676-03	2.4296-03	1.695E-03	9.286E-04	3.416E-04
124	1.139E-03	1.964E-03	2.2496-03	1.459E-03	8.269E-04	2.612E-04
127	1.045E-03	1.708E-03	1.952E-03	1.410E-03	7.789E-04	2.337E-04
130	9.463E-04	1.6596-03	1.871E-03	1.183E-03	6.337E-04	2.056E-04
133	8.533E-04	1.591E-03	1.547E-03	1.1215-03	5.513E-04	1.734E-04
136	8.136F-C4	1.277E+C3	1.4296-03	9.304E-04	4.920E-04	1.8246-04
139	6.760E-04	1.191E-03	1.1966-03	7.748E-04	4.248E-04	1.5726-04
142	6.281E-04	1.103E-03	1.079E-03	7.668E-04	3.547E-04	1.124E-04
145	5.800E+04	9.789E-04	9.6902-04	6.273E-04	3.2186-04	1.115E-04
148	5.484E-C4	7.9928-04	8.1865-04	6.797E-04	2.813E-04	5.394E-05
151	4.1576-04	7.196E-04	7.2628-04	4.655E-04	2.234E-04	7.8806-05
154	4.230E-04	6.400E-04	6.736E-04	3.4458-04	1.696E-04	6.135E-05
157	3.4056-04	5.622E-C4	5.5698-04	3.562E-04	1.815E-04	4.429E-05
160	2.924E-04	4 . 566E-04	4.0498-04	2.550E-04	1.315E-C4	3.590E-05
163	2.500E-04	4.315E-04	3.6098-04	2.214E-04	7.582E-05	2.605E-05
166	2.098E-04	3.439E-04	3.3466-04	1.8116-04	7.1156-05	2.6276-05
169	1.555E-04	3.317E-04	2.8726-04	1.120E-04	4.868E-05	2.133E-05
172	1.202E-04	2.2576-04	1.630E-04	7.139E-05	2.521E-05	1.162E-05
175	7.3478-05	2-104E-04	1.0246-04	5.4802-05	3.163E-05	1.1526-05
178	6.878E-05	1.2728-04	7.0698-05	5.4668-05	1.312E-05	4.870E-06

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CHANNEL	. ENERGY KEV		CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
۱	2.027E	r c	r.n		0.0	
2	7.554F	ĊĊ	0.0		0.0	
3	1.309E	<u>^ 1</u>	r.n		5.741E-11	
4	1.962E	<u>^1</u>	0.0		1.603E-10	
5	2.415E	C 1	c.c		1.399E-10	
6	2.968E	<u>^1</u>	^. 0		7.851E-11	
7	?.522F	<u>^1</u>	5.98CE-C1	4.269E-02	5.887E-11	2.511E-12
8	4.°75E	C 1	1.138E 00		4.341E-11	
q	4.628E	<u>^1</u>	1.071E CO		3.904E-11	
10	5.181E	<u>^1</u>	1.024E 00	1.0156-01	3.576E-11	3.630E-12
11	5.735E	<u>^1</u>	1.018E 00		3.47CE-11	
12	6.288E	<u>^1</u>	1.018E 00		3.4206-11	
13	6.841E	01	1.024E 00	1.053E-01	3.420E-11	3.600E-12
14	7.394E	<u>^1</u>	1.020E 00		3.463E-11	
15	7.947E	01	1.013E 00		3.524E-11	
16	8.501E	<u>^1</u>	1.011E 00	9.548E-02	3.675E-11	3.509E-12
17	9.054E	<u>^1</u>	1.010E 00		3.846E-11	
18	9.607E	<u>^1</u>	1.006E 00		4.118E-11	
19	1.016E	° 2	1.004E 00	8.416E-02	4.392E-11	3.696E-12
20	1.071E	<u>^2</u>	1.005E 00		4.674E-11	
21	1.127E	٥Ž	1.008E CC		4.969E-11	
22	1.182E	02	1.01CE CC	7.5816-02	5.2796-11	4.002E-12
23	1.237E	<u>02</u>	1.008E CC		5.60°E-11	
24	1.293E	c 2	1.00SE 00		5.927F-11	
25	1.348E	C2	1.001E 0C	6.571E-02	6.248E-11	4.105E-12
26	1.403E	02	1.001E 00		6.572E-11	
27	1.459E	C 2	1.001E 00		6.947E-11	
7 R	1.514E	02	1.001E 00	5.74?E-02	7.315E-11	4.200E-12
29	1.569E	02	1.002E 00		7.691E-11	
30	1.625E	r 2	9.991E-01		8.067E-11	
2 <u>1</u>	1.680E	72	9.931E-C1	4.968E-02	8.444E-11	4.195E-12
32	1.735E	r 2	9.9546-01		8.816E-11	
33	1.791E	<u>^2</u>	1.002E 00		9.187E-11	
34	1.946E	c ?	1.005E CC	4.510E-02	9.548E-11	4.306E-12
35	1.901E	02	1.006E 00		9.907E-11	
36	1.957E	C2	1.003E 00		1.024E-10	
77	2.112F	<u>^2</u>	1.001E 00	3.900E-02	1.047E-10	4.083E-12
38	2. 67E	<u>د م</u>	1.001E 00		1.037E-10	
39	2.123E	n 2	1.003E 00		1.062E-10	
40	2.178F	n 2	1.007E 00	3.4206-02	1.153E-10	3.945E-12

TARGET NO. 9 INCIDENT ELECTRON ENERGY 1.0 MEV

CHANNEL	. ENERGY Kev	C	DRR.F/	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	2.233E (י 2 י	013E	00		1.2136-10	
42	2.288E 0	2 1.	021E	00		1.2526-10	
43	2.744E (22 1.	025E	00	3.077E-02	1.291E-10	3.971E-12
44	2.399E 0	2 1	C28E	00		1.329E-10	
45	2.454E 0	12 1	.033E	8 8		1.363E-10	
46	2.510E (ינ זי	038E	00	2.769E-02	1.398E-10	3.870E-12
47	2.565E C	12 1	946E	00		1.442E-10	
48	2.620E 0	ו 2י	053E	00		1.482E-10	
49	2.676E (2 1	060E	00	2.511E-02	1.515E-10	3.805E-12
50	2.731E (י 2 י	.067E	00		1.549E-10	
51	2.786E 0	12 1.	074E	00		1.5826-10	
52	2.842E (12 1	• 183E	90	2.282E-02	1.615E-10	3.686E-12
53	2.897E (12 1	093E	0.0		1.648E-10	
54	2.952E (22 1.	104E	0.0		1.687E-10	
55	3.008E (12 1.	114E	00	2.1276-02	1.724E-10	3.667E-12
56	3.063E (2 1.	121E	00		1.752E-10	
57	3.116E C	2 1.	128E	CC		1.781E-10	
58	3.174E (12 1	133E	00	1.926E-02	1.814E-10	3.494E-12
59	3•554E (12 1.	139E	00		1.847E-10	
60	3.284E (2 1	145E	00		1.881E-10	
61	3.340E C	12 14	152E	00	1.752E-02	1.918E-10	3.36°E-12
62	3.395E (2 1	160E	00		1.956E-10	
63	3.450E (2 1	167E	00		1.990E-10	
64	3.506E (2 1	175E	00	1.612E-C2	2.023E-10	3.2616-12
65	3.561E C	12 1	183E	C C		2.057E-10	
6 6	3.616E (2 1	191E	CC		2+088E-10	
67	3.672E (1 2	197E	00	1.482E-02	2.116E-10	3.137E-12
68	3.727E C	12 1	203E	60		2.146E-10	
69	3.782E (12 1	2CSE	00		2.179E-10	
70	3.838E	12 14	215E	00	1.359E-02	2.209E-10	3.002E-12
71	3.893E 0	12 14	222E	00		2.236E-10	
72	3.948E 0	2 1	228E	ça		2.269E-10	
73	4. CO4E C	2 1	235E	C C	1.245E-02	2.302E-10	2.867E-12
74	4.059E	12 1	238E	CC .		2.341E-10	
75	4.114E 0	Z 1	241E	ac		2.377E-10	.
76	4.169E	12 1	243E	ú C	1.121E-02	2.405E-10	2.696E-12
77	4.225E	12 16	252E	ūŭ		Z.435E-10	
78	4.280E 0	2 1	268E	ec		2.468E-10	
79	4.335E 0	12 1	277E	00	1.0658-02	2.494E-10	2.6568-12
80	4.391E (2 1.	283E	00		2.516E-10	

CHANNEL ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV HELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOGE SPEC R-SQ CM./ MEV-ELEC.
R1 4.446E 02 R2 4.501E 02 R3 4.557E 02	1.287E CC 1.29CF CC 1.294E OC	9.657E-03	2.548F-10 2.581E-10 2.603E-10	2.492E-12
84 4.672 02 85 4.667E 02 86 4.723E 02	1.302E 00 1.302E 00	8.749E-03	2.677E-10 2.691E-10	2.378E-12
87 4.778E C2 88 4.833E C2 89 4.889E C2	1.314E CO 1.314E CO 1.332E OC	7.9385-03	2.747E-10 2.774E-10	2.180E-12
90 4.944E 02 91 4.999E 02 92 5.055E 02	1.359E CO 1.387E CO 1.377E CC	7.9605-03	2.802E-10 2.830E-10 2.861E-10	2.252E-12
93 5.110E 02 94 5.165E 02 95 5.221E 02	1.357E CC 1.347E OC 1.345E CC	6.626E-03	2.892E-10 2.923E-10 2.954E-10	1.936E-12
96 5.776E °2 97 5.331E °2 98 5.387E °2	1.355E CC 1.363E CC 1.37CE CC	6.C96E-03	2.982E-10 3.009E-10 3.036E-10	1.834E-12
99 5.442E 02 100 5.497E 02 101 5.553E 02	1.375E GG 1.378E 00 1.391E 00	5.543E-03	3.062E-10 3.089E-10 3.117E-10	1.712E-12
102 5.638E 02 103 5.663E 02 104 5.719E 02	1.404E 00 1.408E 00 1.407E 00	5.228E-03	3.146E-10 3.175E-10 3.204E-10	1.660E-12
105 5.774E C2 106 5.829E 02 107 5.835E 02	1.396E 00 1.398E 00 1.413E 00	4.549E-03	3.231E-10 3.258E-10 3.285E-10	1.487E-12
108 5.540E 02 109 5.595E 02 110 6.051F 02	1.441E 00 1.474E 00 1.472E 00	4.611E-03	3.311E-10 3.338E-10 3.368E-10	1.539E-12
111 6.196E 02 112 6.161E 02 113 6.216E 02	1.467E CC 1.463E CO 1.459E CO	4.062E-03	3.399E-10 3.430E-10 3.461E-10	1.39 <u>3</u> F-12
114 6.272E C2 115 6.327E C2 116 6.382E C2	1.455E CC 1.458E 90 1.468E 00	3.602E-03	3.490E-10 3.517E-10 3.544E-10	1.267E-12
117 6.438E C2 118 6.493E C2 119 6.548E C2	1.477E CC 1.487E GC 1.494E CC	3.347E-03	3.57CE-10 3.597E-10 3.623E-10	1.204E-12
120 6.604E C2	1.501E 00		3.650E-10	

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CHANNEL	ENERG	Y	CORR	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
121 122 123	6.655E 6.714F 6.770E	C2 C2 C2	1.505E 1.508E 1.507E	00 00 00	3.062E-03	3.676E-10 3.703E-10	1.126E-12
124	6.825E	02	1.505E 1.514E	00	2.742E-03	3.756E-10 3.783E-10	1.030E-12
127	6.991E 7.046E	02	1.529E 1.539E	0C 0C	2.517E-03	3.809E-10 3.836E-10 3.868E-10	9.653E-13
129 130 131	7.192E 7.157E 7.212E	~2 ~2 ~2	1.549E 1.555E 1.561E	00 00 00	2.315E-03	3.901E-10 3.934E-10 3.967E-10	9.109E-13
132 133 134	7.268E 7.323E 7.378E	^2 02 02	1.566E 1.57CE	00	2.0896-03	3.998E-10 4.022E-10	8.403E-13
135	7.434E 7.489E	02	1.568E	00 00	1.824E-03	4.071E-10 4.095E-10	7.469E-13
138 139	7.600F 7.655E	02 02 02	1.546E 1.546E 1.549E	10 00	1.552E-03	4.123E-10 4.152E-10 4.181E-10	6.487E-13
140 141 142	7.710E 7.766E 7.821E	n2 02 02	1.555E 1.578E 1.597E	0C 0C 00	1.464E-03	4.209E-10 4.237E-10 4.261E-10	6.2375-13
143 144 145	7.876E 7.932E 7.987E	02 02 02	1.609E 1.618E	00 00	1 3145-03	4.286E-10 4.310E-10	E (005 10
146	8.942E	02	1.646E 1.671E	00 00	1.5142-03	4.364E-10 4.364E-10 4.395E-10	D.093E-13
148 149 150	8.153E 8.208E 9.263E	02 02 02	1.672E 1.667E 1.635E	90 90 90	1.224E-03	4.426E-10 4.457E-10 4.486E-10	5.416E-13
151 152 153	8.719E 8.374E 8.479E	02 02 02	1.614E 1.614E	00 00 00	9.573E-04	4.510E-10 4.535E-10 4.559E-10	4.318E-13
154	8.485E 8.54^E	~2 ~2	1.632E 1.662E	00	8.338E-04	4.583E-10 4.609E-10	3.822E-13
157	8.651E 8.706E	C2 C2	1.702E 1.694E	3C CQ	7.804E-04	4.636E-10 4.662E-10 4.689E-10	3.638E-13
159	8.761E 8.817E	02	1.641E 1.607E	0C 0C	5.585E-04	4.715E-10 4.739E-10	2.6476-13

CHANNEL	ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV ~ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
161	8.872E C2	1.617E CC		4.764E-10	
162	P. 927E 12	1.634E CC		4.788E-10	
163	8.583E C2	1.659E CC	4.946E-^4	4.812E-10	2.380E-13
164	5.038E 02	1.693E 00		4.84CE-10	
165	S. 193E 12	1.73CE CC		4.869E-10	
166	5.149E 12	1.76CE 00	4.520E-04	4.897E-10	2.214E-13
167	5,204E 12	1.788E CC		4.926E-10	
168	5.259E C2	1.804E 00		4.954E-10	
165	5.315E 02	1.797E CC	3.726E-04	4.978E-10	1.855E-13
170	9.37CE 02	1.728E 00		5.003E-10	
171	5.425E CZ	1.645E CO		5.027E-10	
172	5.481E C2	1.561E 00	2.032E-04	5.051E-10	1.026E-13
173	5.536E 02	1.5628 00		5.077E-10	
174	\$.591E 02	1.613E CC		5.104E-10	
175	9.647E N2	1.659E 00	1.7008-04	5.130E-10	8.721E-14
176	5.702E C2	1.704E CC		5.157E-10	
177	5.757E 02	1.732E ^C		5.183E-10	
178	5.813E 02	1.755E CC	1.255E-04	5.208E-10	6.538E-14
179	9.868E 02	1.762E CC		5.232E-10	
180	5.523E 02	1.357E CC		5.256E-10	
181	9.978E C2	3.800E-01	1.5786-05	5.281E-10	8.333E-15
182	1.003E C3	e, e		5.305E-10	

COSE= 2.035E-12 R-SQ.CM./ELECTRON

TAR	GET NO. 10 II	NCIDENT ELECTR	ON ENERGY 1	.O MEV		
CH.	NET PULSE H	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PH	I).
	7.5	15.0	30.0	45.0	60.0	75.0
7	7.811E-03	1.725E-02	1.886E-02	1.350E-02	1.239E-02	3.606E-03
10	1.2186-02	2.487E-02	2.697E-02	1.942E-02	1.4986-02	4.362E-03
13	1.451E-02	2.734E-02	3.006E-02	2.175E-02	1.455E-02	4.261E-03
16	1.489E-02	2.651E-02	2.889E-02	2.110E-02	1.288E-02	3.710E-03
19	1.432E-02	2.511E-02	2.692E-02	1.968E-02	1.127E-02	3.271E-03
22	1.316E-02	2.249E-02	2.430E-02	1.775E-02	9.699E-03	2.770E-03
25	1.207E-02	2.006E-02	2.158E-02	1.559E-02	8.149E-03	2.317E-03
28	1.102E-02	1.801E-02	1.934E-02	1.378E-02	6.938E-03	1.992E-03
31	9.846E-03	1.592E-C2	1.684E-02	1.203E-02	5.9596-03	1.664E-03
34	8.9226-03	1.456E-C2	1.494E-02	1.069E-02	5.090E-03	1.4176-03
37	7.922E-03	1.281E-02	1.322E-02	9.310E-03	4.332E-03	1.188E-C3
40	7.188E-C3	1.154E-02	1.1826-02	8.244E-03	3.734E-03	1.017E-03
43	6.0361-03	1.0441-02	1.0386-02	1.272E-03	3.2385-03	E-428E-04
40	5.793E-03	9.234t-113	9.2702-03	0.425E=03	2.7925-03	7.189E-04
49		C+329E-U3	0.373E=13	5.759E-03	2.5/35-03	C.218E-04
72	4.7020-03	(+)))0E=U) (+))02E=03	4 5645-03	2.022E-02	2.0145-03	5+1000-04
77	4.321F-U3		0.040E=03	4.4292-03	1.4055-03	4.4075-04
20	3 4975-03	C.UIJE-UJ	5 333C-03	3 4905-03	1 2105-02	3 1765-04
C L 44	3 1745-03	5.0445-03	2.33355-03	3.1305-03	1.3195-03	2 4275-04
47	2.8946-03	4.5455-03	4.4246-03	2.8085-03	1.1145-03	2.02/0-04
70	2.6685-03	4.0725-03	3.8835-03	2.4665-03	8.2625-04	1.9365-04
73	2.4555-03	3.698E=03	3.5286-03	2.2135-03	7.2026-04	1.7136-04
76	2.179F-03	3.4426-03	3.2506-03	2.041E=03	A. 450E-04	1.3706-04
79	2.023E-03	3.081E-03	2.887E-03	1.778E-03	5.431E-04	1.1806-04
82	1.814E-03	2.716E-03	2.570F+03	1.561E-03	4.790F-04	C.9585-05
85	1.625E-03	2.594E-C3	2.367E-03	1.4336-03	3.8445-04	8.091E-05
88	1.4865-03	2.329E-03	2.103E-03	1.246E-03	3.3776-04	7.1916-05
91	1.372F-03	2.099E-C3	1.950F-03	1.1255-03	2.850E-04	5.6556-05
94	1.245E-03	1.9968-03	1.679E-03	9.9136-04	2.403E-04	4.694E-05
97	1.162E-03	1.736E-03	1.574E-03	9.400E-04	2.045E-04	4.188E-05
100	9.938E-04	1.5596-03	1.422E-03	8.477E-04	1.776E-04	3.288E-05
103	9.786E-04	1.422E-03	1.2455-03	6.794E-04	1.510E-04	2.672E-05
196	8.2786-04	1.2826-03	1.150E-03	6.009E-04	1.283E-04	2.238E-05
109	7.795E-04	1.225E-03	1.0256-03	5.720E-04	1.107E-04	1.884E-C5
112	6.721E-04	1.C35E-03	9.1735-04	4.944E-04	9.161E-05	1.557E-C5
115	6.501E-04	5.313E-04	8.014E-04	4.510E-04	7.893E-05	1.043E-05
118	5.773E-04	8.755E-C4	7.349E-04	3.813E-04	6.C86E-05	5.880E-C6
121	5.2498-04	7.562E-04	6.3216-04	3.2476-04	4.953E-05	7.605E-06
124	4.864E-04	7.192E-04	5.772E-04	2.944E-04	3.893E-05	6.599E-06
127	3.9976-04	6.141E-04	4.9526-04	2.497E-04	3.2436-05	4.432E-C6
130	3.678E-04	5.282E-04	4.471E-04	2.556E-04	2.187E-05	2.806E-06
133	3.2746-04	4.865E-C4	3.972E-04	2.050E-04	2.129E-05	1.524E-06
136	2.5285-04	4.584E-04	3.793E-04	1.673E-04	1.518E-05	2.185E-06
139	2.781E-04	3.990E-C4	3.064E-04	1.586E-04	9.658E-06	6.579E-C7
142	2.4318-04	3.432E-C4	2.504E-04	1.219E-04	8.182E-06	7.981E-07
145	2.1146-04	2.874E-04	2.2476-04	1.136E-04	2.429E-06	4.083E-07
148	1.6736-04	2:0200-04	1.9336-04	9.5702-05	2.5878-06	5.552E-C8
171	1.00445-04	2.2825-04	1. /121-04	8.851E-05	2.3798-06	1.8496-08
124	1+5536-04	1 0415-04	107002-04	0.749E-05	1.7508-06	4.761E-07
121	1.1292-04	100012449	1.0636-04	フォモリモヒーリフ	1.0002-00	2.4036-07
143	7.U072=V7 7.1706=05	1.2205-04	1.44475-05	→。2042-U2 2 4716-AF	0.715E-07	1. 172E-07
103	1.1195-03	1.1075-04	743045703 7 70462AF	2.0435-05	L+U/42-08	-2.3726-08
140	7.87395-VJ 4.8205-Af	1+1925-99 7.8005-05	1.1345-0F	1 0605-03	- /++242-0/	2.7426-07
177	7.00005-05	A.0205-05	9+1305=113 9.4586=AF	1.7895-05	1.2752-00	3.2442-05
176	3.634C-05	-3.400E-01	2.4474-0F	1.1281-C_AF	-0 364E±07	1.0772700
178	1.6536-05	-7.2305+07	2.0226-05	7.3125-04	-706745-V/ 8.5205-07	-3.6745-07
					ビリンファビーいず	- 38 3792-07

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CHANNEL	ENERGY KEV		CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	2.0226 0	c	0.0		r.n	
?	7.54E ^	0	r.n		0.0	
3	1.309E 0	1	0.0		5.741E-11	
4	1.862E C	1	0.0		1.603E-10	
5	2.415E 0	1	0.0		1.399E-10	
€	2.968E 0	1	0.0		7.851E-11	
7	3.522E 0	1	5.937E-01	1.033E-02	5.8836-11	6.080E-13
P	4.C75E C	1	1.129E 00		4.341E-11	
c,	4.628E ^	1	1.060E CC		3.904E-11	
10	5.181E C	1	1.012E 00	2.442E-02	3.576E-11	8.733E-13
11	5.735E C	1	1.009E 00		3.4706-11	
12	6.288E C	1	1.911E CC	•	3.420E-11	
13	6.841E ^	1	1.C19E 00	2.673E-02	3.420E-11	9.142E-13
14	7.394E 0	1	1.016E CO		3.463E-11	
15	7.947E C	1	1.009E 00		3.524E-11	
16	8.501E 0	1	1.009E 00	2.525E-02	3.675E-11	9.2796-13
17	5.054E C	1	1.009E CC		3.846E-11	
18	9.607E 0	1	1.910E 0C		4.118E-11	
19	1.016E 0	2	1.010E CO	2.345E-^2	4.392E-11	1.030E-12
20	1.071E C	2	1.009E CO		4.674E-11	
21	1.127E 0	2	1.009E 00		4.969E-11	
22	1.182E C	2	1.005E 00	2.096E-02	5.279E-11	1.107E-12
23	1.237E 0	2	1.006E CO		5.60CE-11	
24	1.293E "	2	9.998E-01		5.927E-11	
25	1.348E C	2	9.996E-01	1.878E-02	6.248E-11	1.143E-12
26	1.403E C	2	1.001E 00		6.572E-11	
77	1.459E C	Z	1.003E 00		6.943E-11	
28	1.514E C	2	1.005E CC	1.6336+02	7.315E-11	1.195E-12
29	1.569E n	Z	1.005E CC		7.691E-11	
30	1.625E C	2	1.072E 00		8.067E-11	
31	1.680E C	Z	9.952E-C1	1.4126-02	8.4446-11	1.193E-12
32	1.7356 0	Z	9.956E-r1		8.8165-11	
33	1.791E C	2	9.999 <u>5</u> -01		9.187E-11	
34	1.846E C	Z	1.001E 00	1.264E-02	9.5485-11	1.207E-12
35	1.9016 0	2	feaust cu		4.407E-11	
10	1.457E 0	2	9.997E-C1		1.0248-10	
37	2.712E C	2	9.4866-01	1.1046-02	14047E-10	1.156E-12
58	2.767E G	2	1.901E CC		1.0336-10	
59 10	2.123E C	2	1.0965 00		1.0626-10	
41	2.178E C	2	1.0156 00	9.9692-03	1.1536-10	1.1576-12

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42 2.788E 1.726E 1.257E-10 1.257E-10 43 2.399E 1.031E 0.979E-03 1.291E-10 1.159E-12 44 2.399E 1.031E 0.979E-03 1.329E-10 1.159E-12 45 2.454E 1.037E 00 7.994E-03 1.339E-10 1.117E-12 47 2.565E 1.047E 07 1.442E-10 1.442E-10 48 2.676E 1.057E 1.47E-03 1.515E-10 1.113E-12 57 2.731E 0.73E 0 1.549E-10 1.113E-12 57 2.731E 0.73E 0 1.549E-10 1.013E-12 57 2.734E 0.73E 0 1.549E-10 1.069E-12 52 2.842E 1.07E 0 1.648E-10 1.069E-12 53 2.095E 1.107E 0 1.648E-10 1.069E-12 54 2.952E 1.107E 0 1.648E-10 1.0734E-12 55 3.008E 02 1.117E 0 1.752E-10 1.793E-13 57 3.118E 02<	41	2.233E	<u>C2</u>	1.020E	00		1.213E-10	
43 2.344E 0.299E 0.31E 0.7 1.329E-10 1.159E-12 44 2.399E 1.031E 0.7 1.329E-10 1.363E-10 45 2.454E 1.037E 00 7.994E-03 1.398E-10 1.117E-12 47 2.555E 1.047E 00 1.442E-10 1.442E-10 49 2.676E 1.057E 1.347E-03 1.515E-10 1.113E-12 50 2.731E 1.073E 00 1.549E-10 1.113E-12 51 2.786E 1.077E 00 1.549E-10 1.113E-12 51 2.7867E 1.077E 00 1.549E-10 1.069E-12 52 2.842E 1.074E 00 1.648E-10 1.069E-12 54 2.952E 1.074E 00 1.648E-10 1.0734E-12 55 3.008E 02 1.107E 00 1.752E-10 1.034E-12 56 3.0763E 1.117E 00 1.752E-10 1.034E-12 57 3.118E 02 1.47E 1.475E-10 1.936E-13 58<	42	2.788E	C 2	1.726E	ca		1.2576-10	
442.399 $n (2)$ 1.031E $n (2)$ 1.329E-10452.454E1.034E007.994E-031.3398E-10462.510E021.037E007.994E-031.398E-10472.565E021.057En1.442E-10482.620E021.057En1.515E-101.113E-12492.676E1.073E001.549E-101.515E-111.113E-12502.731E021.079E001.549E-101.069E-12512.786E1.079E001.658E-101.069E-12522.842E1.087E001.648E-101.069E-12532.897E021.074E001.648E-10542.952E1.107E001.6752E-101.034E-12563.063E021.117E001.752E-101.034E-12563.063E021.141E001.814E-109.973E-13593.229E1.141E001.808E-109.584E-13613.450E1.162E001.998E-109.251E-13623.395E1.162E001.998E-109.251E-13633.450E1.162E002.057E-102.088E-10643.616E1.167E002.0757E-102.088E-10653.561E1.167E002.166E-108.953E-13663.616E21.276E002.166E-10703.838E1.205E <td>43</td> <td>2.344E</td> <td>02</td> <td>1.025E</td> <td>CO</td> <td>8.979E-03</td> <td>1.291E-10</td> <td>1.1596-12</td>	43	2.344E	02	1.025E	CO	8 . 979E-03	1.291E-10	1.1596-12
45 2.4.94E 1.037E 1.037E 1.398E-10 1.117E-12 47 2.565E 1.047E 00 7.994E-03 1.398E-10 1.117E-12 47 2.565E 1.057E 1.442E-10 1.442E-10 48 2.620E 02 1.057E 1.482E-10 1.113E-12 59 2.731E 02 1.073E 00 1.549E-10 51 2.736E 1.073E 00 1.549E-10 1.113E-12 57 2.736E 1.073E 00 1.549E-10 1.0169E-12 52 2.842E 02 1.094E 00 1.648E-10 1.069E-12 53 2.952E 1.107E 00 5.996E-03 1.725E-10 1.034E-12 56 3.049E 1.117E 00 1.752E-10 1.034E-12 1.755E-10 57 3.118E 02 1.126E 1.725E-10 1.735E-10 1.934E-12 57 3.114E 02 1.147E 00 1.814E-10 9.973E-13 58 3.174E 02 1.147E 00 1.990E-10 <td>44</td> <td>S-399E</td> <td>CZ</td> <td>1.031E</td> <td>63</td> <td></td> <td>1.329E-10</td> <td></td>	44	S-399E	CZ	1.031E	63		1.329E-10	
46 2.510E 02 1.037E 00 7.994E-03 1.349E-10 1.117E-12 47 2.565E 02 1.057E 0 1.442E-10 1.442E-10 49 2.676E 02 1.057E 1.4482E-10 1.4482E-10 59 2.731E 02 1.073E 00 1.515E-10 1.113E-12 51 2.731E 02 1.073E 00 1.582E-10 1.018E-12 52 2.842E 02 1.087E 00 1.648E-10 1.069E-12 53 2.697E 02 1.07E 00 1.687E-10 1.0059E-12 54 2.952E 02 1.107E 00 1.687E-10 1.034E-12 56 3.049E 02 1.117E 00 1.752E-10 1.752E-10 57 3.118E 02 1.126E 1.752E-10 1.752E-10 1.934E-12 57 3.1289E 02 1.126E 00 1.8814E-10 9.973E-13 58 3.747E 02 1.147E 00 1.8814E-10 9.584E-13	45	2.454E	62	1.034E	ca		1.363E-10	
472.565E $n2$ 1.047E 00 1.442E-10482.620E $n2$ 1.077E $n347E-03$ $1.515E-10$ $1.113E-12$ 572.731E $n2$ $1.073E$ 00 $1.582E-10$ 512.786E $n2$ $1.079E$ 00 $1.582E-10$ 522.842E 2 $1.087E$ 00 $1.615E-10$ 532.897E 02 $1.097E$ 00 $1.648E-10$ 54 $2.952E$ $1.107E$ $0C$ $1.667E-10$ 55 $3.063E$ 02 $1.117E$ $0C$ $1.752E-10$ 56 $3.063E$ 02 $1.117E$ $0C$ $1.752E-10$ 57 $3.118E$ 02 $1.142E$ $0C$ $1.781E-10$ 58 $3.174E$ 02 $1.141E$ 00 $5.497E-03$ $1.814E-10$ 59 $3.229E$ 02 $1.141E$ 00 $5.497E-03$ $1.814E-10$ 60 $3.284E$ 22 $1.147E$ $0C$ $1.884E-10$ 61 $3.3450E$ 02 $1.155E$ $0C$ $4.998E-03$ $9.918E-10$ 62 $3.395E$ $21.165E$ 00 $4.572E-03$ $2.023E-10$ $9.251E-13$ 63 $3.450E$ 22 $1.167E$ 00 $4.572E-03$ $2.023E-10$ $9.251E-13$ 64 $3.616E$ 22 $1.262E$ 00 $2.798E-10$ $8.953E-13$ 65 $3.646E$ 22 $1.206E$ 00 $2.799E-10$ $8.297E-13$ 71 $3.693E$ $1.204E$ 00 $2.236E-$	46	2.5108	02	1.037E	00	7.994E-03	1.398E-10	1.1176-12
48 $2.620E 02$ $1.037E 02$ $1.482E-10$ 49 $2.676E 02$ $1.06EE 00$ $7.347E-03$ $1.515E-10$ 51 $2.731E 02$ $1.073E 00$ $1.582E-10$ 52 $2.842E 02$ $1.074E 00$ $1.615E-10$ 53 $2.897E 02$ $1.094E 00$ $1.6687E-10$ 54 $2.952E 02$ $1.107E 00$ $1.6687E-10$ 55 $3.008E 02$ $1.107E 00$ $1.6687E-10$ 56 $3.063E 02$ $1.107E 00$ $1.724E-10$ 57 $3.112E 02$ $1.126E 00$ $1.772E-10$ 58 $3.174E 02$ $1.126E 00$ $1.847E-10$ 59 $3.229E 02$ $1.147E 00$ $1.847E-10$ 60 $3.284E 02$ $1.147E 00$ $1.881E-10$ 61 $3.3470 02$ $1.155E 00$ $4.998E-03$ 62 $3.295E 02$ $1.162E 00$ $1.990E-10$ 63 $3.450E 02$ $1.162E 00$ $1.990E-10$ 64 $3.66E 02$ $1.177E 00$ $2.023E-10$ 65 $3.616E 02$ $1.177E 00$ $2.037E-10$ 66 $3.616E 02$ $1.177E 00$ $2.038E-10$ 67 $3.672E 02$ $1.202E 00$ $2.116E-10$ 68 $3.727E 02$ $1.202E 00$ $2.299E-10$ 70 $3.838E 02$ $1.223E 00$ $2.269E-10$ 71 $3.693E 02$ $1.223E 00$ $2.269E-10$ 72 $3.548E 02$ $1.223E 00$ $2.269E-10$ 73 $4.004E 02$ $1.223E 00$ $2.405E-10$ 74 $4.059E 02$ $1.223E 00$ $2.405E-10$ 75	47	2.565E	n Z	1.047E	0C		1.442E-10	
49 2.676E C2 1.666E 00 7.347E-03 1.515E-10 1.113E-12 50 2.731E C2 1.073E 00 1.5582E-10 1.669E-12 51 2.796E C2 1.094E 00 1.6582E-10 1.669E-12 52 2.897E 02 1.094E 00 1.667E-10 1.069E-12 53 2.952E C2 1.107E 0C 5.996E-03 1.724E-10 1.034E-12 56 3.063E 02 1.117E 0C 1.757E-10 1.034E-12 57 3.118E 02 1.126E CC 1.781E-10 9.973E-13 59 3.229E C2 1.141E C0 1.814E-10 9.973E-13 59 3.229E C2 1.141E C0 1.881E-10 9.584E-13 61 3.395E 02 1.162E 0C 1.990E-10 9.584E-13 62 3.935E 02 1.162E 0C 1.990E-10 9.251E-13 64 3.606E 02 1.176E 0C 2.0257E-10 9.251E-13 65 3.616E C2 1.187E 0C 2.028E-03 2.116E-10 64 3.616E C2 1.206E 0C 2.027E-03 2.116E-10 64 3.616E C2 1	48	2.620E	02	1.057E	r r		1.4876-10	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	49	2.6765	C 2	1.966E	00	7.347E-03	1+515E-10	1.113E-12
512.886E $7.96E$ $7.97E$ $7.96E$ $7.97E$ $7.96E$ $7.97E$ $7.96E$ $7.97E$ $7.96E$ $7.$	57	2.731E	C Z	1.073E	00		1.549E-10	
72 $2.842E$ (2) $1.067E$ (2) $1.063E-10$ $1.063E-10$ $1.069E-12$ 53 $2.952E$ (2) $1.07E$ 00 $1.668E-10$ 54 $2.952E$ (2) $1.107E$ 00 $1.668TE-10$ 55 $3.008E$ 02 $1.107E$ 00 $5.996E-03$ $1.724E-10$ 57 $3.118E$ 02 $1.126E$ 00 $1.752E-10$ 57 $3.118E$ 02 $1.126E$ 00 $1.781E-10$ 58 $3.174E$ 02 $1.147E$ 00 $1.884E-10$ 60 $3.284E$ 02 $1.147E$ 00 $1.881E-10$ 61 $3.349E$ 02 $1.155E$ 00 $1.996E-10$ 61 $3.430E$ 02 $1.162E$ 00 $1.990E-10$ 64 $3.606E$ 02 $1.176E$ 00 $4.572E-03$ $2.023E-10$ 65 $3.61E$ 02 $1.176E$ 00 $4.990E-10$ 64 $3.616E$ 02 $1.176E$ 00 $4.990E-10$ 64 $3.616E$ 02 $1.176E$ 00 $4.930E-10$ 67 $3.672E$ 02 $1.206E$ 00 $2.116E-10$ 70 $3.638E$ 02 $1.206E$ 00 $2.179E-10$ 71 $3.898E$ 02 $1.223E$ 00 $2.236E-10$ 72 $3.548E$ 02 $1.223E$ 00 $2.341E-10$ 73 $4.004E$ 02 $1.232E$ 00 $2.3405E-10$ 73 <td>21</td> <td>2.7965</td> <td>62</td> <td>1.0796</td> <td>00</td> <td></td> <td>1.582E-10</td> <td></td>	21	2.7965	62	1.0796	00		1.582E-10	
53 $2.897E$ 0.2 $1.004E$ 0.0 $1.668E-10$ 54 $2.952E$ $2.1.07E$ 0.0 $1.687E-10$ $1.034E-12$ 55 $3.008E$ 0.2 $1.117E$ 0.0 $1.724E-10$ $1.034E-12$ 56 $3.063E$ 0.2 $1.117E$ 0.0 $1.752E-10$ $1.73E-10$ 57 $3.118E$ 0.2 $1.126E$ 0.0 $1.781E-10$ 58 $3.174E$ 0.2 $1.141E$ 0.0 $1.881E-10$ 60 $3.284E$ 0.2 $1.141E$ 0.0 $1.881E-10$ 61 $3.347E$ 0.2 $1.155E$ 0.0 $1.998E-10$ $9.973E-13$ 62 $3.395E$ 0.2 $1.162E$ 0.0 $1.998E-10$ $9.584E-13$ 63 $3.450E$ 0.2 $1.162E$ 0.0 $1.998E-10$ $9.584E-13$ 64 $3.616E$ 0.2 $1.17E$ 0.0 $2.057E-10$ $6.3561E$ 64 $3.616E$ 0.2 $1.17E$ 0.0 $2.088E-10$ $8.953E-13$ 65 $3.661E$ 0.2 $1.206E$ $0.2179E-10$ $7.965E-13$ 66 $3.727E$ 0.2 $1.206E$ $0.2377E-10$ $7.965E-13$ 71 $3.893E$ 0.2 $1.223E$ $0.2377E-10$ $7.965E-13$ 72 $3.648E$ 0.2 $1.223E$ $0.2377E-10$ $7.965E-13$ 74 $4.059E$ 0.2 $1.272E$ $0.2377E-10$ $7.831E-13$ 74 $4.280E$ 0.2 $1.272E$ $0.2377E-10$ $7.843E-10$ 76 <t< td=""><td>72</td><td>2.842E</td><td>02</td><td>1.00/E</td><td>00</td><td>0.0225-05</td><td>1.615E-10</td><td>1.0696-12</td></t<>	72	2.842E	02	1.00/E	00	0.0225-05	1.615E-10	1.0696-12
34 2.952 ± 12 1.101 ± 00 1.687 ± 10 55 3.008 ± 02 1.107 ± 00 1.752 ± 10 1.034 ± 12 56 3.063 ± 02 1.117 ± 00 1.752 ± 10 1.781 ± 10 57 3.118 ± 02 1.126 ± 00 1.781 ± 10 9.973 ± 13 59 3.229 ± 02 1.141 ± 00 1.847 ± 10 9.973 ± 13 59 3.229 ± 02 1.141 ± 00 1.881 ± 10 9.973 ± 13 61 3.347 ± 02 1.147 ± 00 1.881 ± 10 9.973 ± 13 61 3.347 ± 02 1.155 ± 00 4.998 ± 03 1.918 ± 10 61 3.347 ± 02 1.167 ± 00 1.990 ± 10 63 3.450 ± 02 1.169 ± 00 1.990 ± 10 64 3.501 ± 02 1.167 ± 00 2.057 ± 10 64 3.561 ± 02 1.176 ± 00 4.232 ± 03 65 3.561 ± 02 1.177 ± 00 2.068 ± 10 67 3.672 ± 02 1.203 ± 00 4.232 ± 03 68 3.727 ± 02 1.204 ± 00 2.146 ± 10 69 3.782 ± 02 1.205 ± 00 3.756 ± 03 71 3.893 ± 02 1.223 ± 00 2.269 ± 10 72 3.648 ± 02 1.223 ± 00 2.302 ± 10 73 4.004 ± 02 1.223 ± 00 2.377 ± 10 74 4.059 ± 02 1.225 ± 00 3.256 ± 03 74 4.230 ± 02 1.272 ± 00 2.435 ± 10 74 4.230 ± 02 1.272 ± 00 2.904 ± -10 74 <t< td=""><td>25</td><td>2.8978</td><td>02</td><td>1.094E</td><td>00</td><td></td><td>1.6485-10</td><td></td></t<>	25	2.8978	02	1.094E	00		1.6485-10	
35 4.0086 02 1.1076 00 $5.996E-03$ $1.724E-10$ $1.034E-12$ 56 $3.063E$ 02 1.1176 00 $1.752E-10$ $1.752E-10$ 57 $3.118E$ 02 $1.126E$ $0C$ $1.781E-10$ 59 $3.229E$ 02 $1.141E$ 00 $1.814E-10$ $9.973E-13$ 59 $3.229E$ 02 $1.141E$ 00 $1.847E-10$ $1.841E-10$ 61 $3.347E$ 02 $1.155E$ $0C$ $4.998E-03$ $1.918E-10$ $9.584E-13$ 62 $3.395E$ 02 $1.162E$ $0C$ $1.990E-10$ $9.584E-13$ 63 $3.450E$ 02 $1.162E$ $0C$ $1.990E-10$ 64 $3.606E$ 02 $1.176E$ $0C$ $2.023E-10$ $9.251E-13$ 65 $3.561E$ $C2$ $1.167E$ $0C$ $2.088E-10$ $7.925E-13$ 64 $3.616E$ $C2$ $1.273E$ $0C$ $2.116E-10$ $8.953E-13$ 68 $3.727E$ 02 $1.206E$ $0C$ $2.179E-10$ 70 $3.838E$ 02 $1.206E$ $0C$ $2.236E-10$ 71 $3.893E$ 02 $1.223E$ $0C$ $2.236E-10$ 72 $3.648E$ 02 $1.223E$ $0C$ $2.377E-10$ 74 $4.004E$ 02 $1.232E$ $0C$ $2.377E-10$ 74 4.046 $12.272E$ $0C$ $2.465E-10$ $7.831E-13$ 74 $4.230E$ 02 $1.272E$ $0C$ <td>29</td> <td>2.9725</td> <td>12</td> <td>1.1000</td> <td>00</td> <td>5 00/5 03</td> <td>1.08/2-10</td> <td></td>	29	2.9725	12	1.1000	00	5 00/5 03	1.08/2-10	
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80 4.291E 02 1.272E CC 2.516E-10	79	4.735E	02	1.272E	ΩŪ	2.9046-03	2.494E-10	7.243E-13
	80	4. 791E	02	1.272E	CC		2.516E-10	

CHANNE	L ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
81 82	4.446E 02	1.273E CO	2.5725-03	2.548E-10	6 6375-13
βŋ	4.557E 02	1.288E CC		2.603E-10	0.07/2-17
94	4.612E 02	1.301E CC		2.627E-10	
85	4.667E 02	1.312E CC	2.428E-03	2.660E-10	6.459E-13
86	4.723E C2	1.318E CC		2.691E-10	
97	4.778E 02	1.318E CC		2.719E-10	
88	4.833E C2	1.322E 00	2.175E-03	2.747E-10	5.974E-13
99	4.889E ^2	1.328E 00		2.774E-10	
90	4.9448 02	1.337E CC		2.802E-10	
91	4.999E 02	1.347E 0C	2.013E-03	2.830E-10	5.696E-13
92	5.055E 02	1.349E 00		2.861E-10	
93	5.11CE ^2	1.352E CC		2.892E-10	
94	5.165E 02	1.356E 00	1.809E-03	2.923E-10	5.288E-13
95	5.221E 02	1.363E 00		2.954E-10	
96	5.276E 02	1.377E OC		2.982E-10	
G7	5.231E C2	1.387E CC	1.696E-03	3.009E-10	5.103E-13
98	5.387E C2	1.395E CC		3.036E-10	
99	5.442E 02	1.399E CC		3.062E-10	
100	5.497E 02	1.401E 00	1.530E-03	3.^89E-10	4.726E-13
101	5.553E C2	1.398E CC		3.117E-10	
102	5.608E 02	1.395E CC		3.146E-10	
113	5.663E 02	1.394E 00	1.338E-C3	3.175E-10	4.247E-13
104	5.719E P2	1.395E 00		3.204E-10	
105	5.774E r2	1.401E 00		3.231E-10	
106	5.8298 02	1.411E CC	1.213E-03	3.258E-10	3.951E-13
107	5.885E C2	1.424E GC		3.285E-10	
108	5.940E 02	1.444E 0C		3.311E-10	
109	5.995E C2	1.466E 00	1.167E-03	3.338E-10	3.895E-13
110	6.051E 02	1.459E CO		3.368E-10	
111	6.106E C2	1.451E CC		3.399E-10	
112	6.161E 02	1.448E 0C	9.9966-04	3.430E-10	3.429E-13
113	6.216E 02	1.449E 00		3.461E-10	
114	6.272E C2	1.457E CC		3.490E-10	
115	6.327E 02	1.467E 0C	9.105E+04	3.517E-10	3.202E-13
116	6.382E C2	1.48CE 00		3.544E-10	
117	6.438E 02	1.49CE 00		3.570E-10	
118	6.493E ^2	1.498E CC	8.359E-04	3.597E-10	3.007E-13
119	6.548E ^2	1.492E CC		3.623E-10	
120	6.604E 02	1.485E CC		3.650F-10	

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CHANNEL	. ENERGY Kev	COR	R.FAC	CT•	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX+TO DOSE R/PHOTON/ SQ+CM+	DOSE SP R-SQ CM MEV-ELE	PEC 4./ EC.
121	6.659E	1.4	89E (0	7.180E-04	3.676E-10	2.640E-	13
122	6.714E (·? 1.4	97E (00		3.703E-10		
123	6.77CE	02 1.5	19E (1 C		3.729E-10		
124	6.825E (02 1.5	28E C) C	6.786E-04	3.756E-10	2.5496-	·13
125	6.880E	1.5	23E C	00		3.783E-10		
126	6.936E	1.5	19E C	20		3.809E-10		
127	6.991E (1.4	93E C) C	5.6268-04	3.836E-10	2.158E-	13
128	7.046E (1.5	06E 0	00		3.868E-10		•
129	7.102E (1.5	25E C	2 C		3.901E-10		
130	7.157E (1.5	34E 0	00	5.2586-04	3.934E-10	2.069E-	13
131	7.212E (1.5	42E C	10		3.967E-10		
132	7.268E (1.5	42E C	20		3.998E-10		
133	7.323E (1.5	49E C	10	4.6705-04	4.022E-10	1.8786-	13
134	7.378E (1.5	64E (0		4.046E-10		
135	7.434E (1.5	81E (2C		4.071E-10	_	
136	7.489E	1.5	99E (C 0	4.3916-04	4.0956-10	1.7986-	13
137	7.544E (1.6	03E 0	00		4.1236-10		
138	7.60CE 0	1.6	04E 0) C		4.1528-10		
139	7.655E (1.5	98E 0	1C	3.8095-04	4.181E-10	1.592E-	13
140	7.710E (1.5	91E C	10		4.209E-10		
141	7.766E (2 1.5	77E 0	9 C		4.237E-10		
142	7.821E (1.5	69E ()	10	3.1456-04	4.261E-10	1.340E-	13
143	7.876E (C-2 1.5	71E C	C		4.286E-10		
144	7.932E (2 1.5	73E C	0		4.310E-10		
145	7.987E (1.5	74E ('С	2.717E-04	4.334E-10	1.178E-	13
146	8. "42E "	1.5	78E 0	00		4.364E-10		
147	8.097E (2 1.5	84E (°C		4.395E-10		
148	8.153E (2 1.5	96E ()	00	2.375E-04	4.426E-10	1.051E-	13
149	6.208E	2 1.6	11E 0			4.457E-10		
150	8.263E (1.6	39E 0	0		4.486E-10		
151	8.319E (1.6	58E C	00	2.2265-04	4.510E-10	1.004E-	13
152	8.374E (2 1.6	57E C	C		4.535E-10		
153	8.429E ()2 1.6	52E C	20		4.559E-10		
154	8.485E (1.6	45E 0	10	1.845E-04	4.583E-10	8.4546-	14
155	8.54CE (1.6	68E ()) C		4.609E-10		
156	8.595E (י2 1.7	02E 0	DC		4.636E-10		
157	8.651E (1.7	13E 0	00	1.7216-04	4.662E-10	8.026E-	14
158	E.706E (1.7	19E 0) C		4.689E-10		
159	8.761E (1.6	95E C	2 C		4.7156-10		
160	8.817E (1.6	76E 0	10	1.341E-04	4.739E-10	6.357E-	14

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CHANNEL ENERGY KEV		EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.	
	161	8.872E C2	1.668E 0C		4.764E-10		
	162	8.927E C2	1.663E nr		4.788E-10		
	163	8.983E C2	1.661E 0C	1.C66E-04	4.812E-10	5.129E-14	
	164	5.038E 02	1.685E OC		4.84CE-10		
	165	5.093E 02	1.722E CC		4.8698-10		
	166	5.149E C2	1.741E 00	9.41 ME-05	4.897E-10	4.608E-14	
	167	5.204E 02	1.755E CC		4.926E-10		
	168	5.259E C2	1.74CE CO		4.954E-10		
	169	9.315E 02	1.721E CC	6.920E-05	4.978E-10	3.445E-14	
	170	5.77CE C2	1.693E CC		5.003E-10	,	
	171	5.425E C2	1.654E CC		5.027E-10		
	172	5.481E C2	1.604E CO	4.329E-05	5.051E-10	2.187E-14	
	173	9.536E 02	1.548E 00		5.077E-10		
	174	5.591E 02	1.49CE 0C		5.104E-10		
	175	9.647E 02	1.443E CC	2.307E-05	5.130E-10	1.184E-14	
	176	5.702E C2	1.398E CC		5.157E-10		
	177	5.757E 02	1.372E CC		5.183E-10		
	178	2. 813E US	1.344E CC	1.287E-05	5.208E-10	6.700E-15	
	179	9.868E 02	1.305E 00		5.232E-10		
	160	9.923E 02	9.9C8E-01		5.256E-10		
	181	5.978E C2	2.774E-01	1.263E-06	5.281E-10	6.671E-16	
	182	1.003E C3	0.0		5.305E-10		

COSE= 5.530E-13 R-SQ.CM./ELECTRON

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TAR	GET NC. 11	INCIDENT ELECT	RON ENERGY L	50 MEV		
CH.	NET PULSE	HEIGHT SPECTRU	M MULTIPLIED	BY Z PI SIN	(PHI) COS(PH	D •
	7.5	15.0	<u>30.0</u>	45.0	60.0	75+0
7	1.248E-0	2 1.695E-02	2 .961E-02	2.011E-02	1.487E-02	5.114E-03
10	1.78CE-0	2 2.558E-02	3.689E-02	2.7226-02	1.725E-02	6.057E-03
13	1.926E-0	2 2.8838-02	3.767E-02	2.9436-02	1.658E-02	5.8168-03
16	1.876F-C	2 2.8378-02	3-437E-02	2.7756-02	1.463E-02	5.153E-C3
iã	1.7716-0	2 2.6956-02	3.1125-02	2-542E-02	1.264E-02	4-455F-C3
22	1.6015-0	2 2.4705-02	2.7248-02	2.270F-02	1.089E-02	2.821E-03
26	1 4265-0	2 2 2425-02	2.3006-02	1.0006-02	0.304E-03	2.2136-03
27	1 3755-0		2 0705-02	1 7476-02	7 8495-03	7 4935-03
20			1 4745-02	1.57476-02	6 6335-03	2.0030-03
- 21	1.1405-0		1.6036-02	1 3455-02	0.022E-03	203205-03
- 54	1.0196-0	2 1.3916-02	1.3732-02	1.1405.02	2 F 7 2 2 C - U 3	2.0096-03
37	9.203E-0	3 1.43CE-02			4. 1000 00	1.0920-03
41	8.245E-0	3 1.2976-02	1.2032-02	1.0452-02	4.198E=03	1.4596-03
43	7.336E-C	3 1.1735-02	1.0886-02	9.1136-03	3.691E-03	1.5695-03
46	6.612E-0	3 1.052E-02	9.7935-03	8.056E-03	3.171E-03	1.075E-C3
49	6.041E-0	3 9.387E-03	8.501E-03	7.091E-03	2.771E-03	5.250E-C4
52	5.4418-0	3 8.435E-03	7.760E-03	6.414E-03	2.4945-03	7.893E-04
-55	4.879E-0	3 7.661E-03	6.659E-03	5.636E-03	2.105E-03	6.723E-04
58	4.442E-0	3 6.931E-03	6.041E-03	5.0626-03	1.843E-03	5.729E-04
61	4.010E-0	3 6.237E-03	5.2366-03	4.560E-03	1.592E-03	5.149E-04
64	3.5298-0	3 5.6975-03	4 . 734E-03	3.927E-03	1.361E-03	4.282E-C4
67	3.3646-0	3 5.C74E-03	4.3066-03	3.659E-03	1.164E-03	3.783E-C4
70	2.993E-0	3 4.625E-C3	3.773E-03	3.121E-03	1.000E-03	3.245E-04
73	2.687E-0	3 4.304E-03	3.439E-03	2.871E-03	8.816E-04	2.710E-C4
76	2.519E-0	3 3.946F-03	3-008E-03	2.583E-03	8-154E-04	2.2915-04
70	2.235E-0	3 3.5225-03	2.674E-03	2.171E-03	6-822F-04	2.0445-04
0.2	2 0295-0	3 3,1446-03	2.380F=03	1.9945-03	5.438E-04	1.6355-04
02	1 0215-0	3 2.8965-03	2.1755-03	1.8225-03	4.9465-04	1.5945-04
07	1.0210-0		1.0105-03	1.4065-03	4.0025-04	1 2405-04
00	1.5355-0		1 4025-03	1 3726-03	3 8375-04	1+2+75-04
91	1.3346-0		1.6916-03	1 2005-02	3 1005-04	1+U+2E-04
94	1.4506-0	3 2.18/2-03	1 3676-03	1.1005-03	3 6776-04	3.5005-05
.97	1.2856-0	3 2.001E-03	1.1575-03	1.10025-03	2.3775-04	1.509E-05
Tue	1.151E=0	3 1.7958-03		1.0020-05	2.3200-04	C.U09E9UJ
103	1.0586-0		1.0042-03			2.3195-02
106	9.373E-0	4 1.494E-03	9.044E-04	1.084E-04	1.7102-04	4.2702-05
144	8.6292-0	4 1.401E-03	8.200E-014	0.7435-04	1.41/2-04	5.4328-05
112	7.6346-0	4 1.192E=03	7.084E-04	6.227E-04	1.199E-04	2.8476-05
115	6.8846-0	4 1.168E-03	5.994E-04	5.404E-04	9.436E-05	2.470E-05
110	6.C79E-C	4 1.033E-03	5.416E-04	4.536E-04	8.360E-05	2.147E-05
1?1	5.658E-C	4 8.792E-04	4.3845-04	4.178E-04	6.2228-05	1.371E-05
124	5.223E-M	4 8.104E-04	4.092E-04	3.6596-04	4.572E-05	1.1896-05
127	4.553E-C	4 7.802E-04	3.1286-04	3.056E-04	4.095E-05	1.108E-05
130	4.1616-0	4 6.665E-C4	2.813E-04	2.734E-04	3.084E-05	7.036E-06
133	3.691E-0	4 5.505E-C4	2.4086-04	2.5265-04	2.120E-05	5.662E-06
136	3.4098-0	4 5.751E-04	2.103E-04	2.002E-04	1.629E-05	3.696E-06
139	2.888E-0	4 4.795E-04	1.714E-04	1.714E-04	1.144E-05	3.516E-06
142	2.356E-C	4 4.C51E-04	1.468E-04	1.497E-04	9.555E-06	2.008E-06
145	2.317E-0	4 3.696E-04	1.061E-04	1.297E-04	6.262E-06	1.2195-06
140	1.9475-0	4 3.350E-04	6.831F+05	9-087E-05	4-625E-06	1.3236-06
181	1.4436-0	4 2.91AF=C4	4.6446-05	8.708F-05	1.0075-04	-7,530F-07
171	1 4 7 7 7 5 - 4	4 2 308E-04	3.3845-04	5.76A5-A8	4.2046-07	9.1946-07
104	1 1316-0		2.6375-AK	5.007E-05	7.0515-07	4 2505-07
171		A 107115-119 A 1 7375-04	1 9616-03	4.5475-02	4 2055-07	-7 ACAE-CA
101	しょいそうとてい		1 1016-04	7 # 7 4 7 5 5 5 7 7 7 7 7 7 5 7 7 7 7 5 7	702UJETU/	- T++74E+C8
163	8.198E-0		101022700	20712-03		5.U/6E-0/
166	6.723E=0	1.209E-U4		2.1045-03	-0.171t-07	1.1156-08
169	4.978E-C	5 / 927E-05	9.45/E-08	1.0101-05	- 1.95/E-07	-3.589E-07
172	3.276E-C	5.791E-C5	-5.860E-07	1.5128-05	-8.5396-07	-7.494E-C8
175	2.5136-0	5 6.028Em05	2.763E-06	7.888E-06	1.960E-06	-2.721E-07
170	1 0245-0	5 4.2705-05	-6.8655-07	7.888F-06	-1.2168-06	£.061E-07

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TARGET	NO.	11	INCIDENT	ELECTRON	ENERGY	1.0	MEV

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CHANNEI	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX•TO DOSE R/PHOTON/ SQ•CM•	DOSE SPEC R-SQ CM./ MEV-ELEC.
۱	2.022E 00	0.0		n.r	
2	7.554E CC	r.n		0.0	
3	1.309E 01	n. 0		5.741E-11	
4	1.862E C1	0.0		1.603E-10	
5	2.415E 01	0.0		1.399E-10	
6	2.968E 01	C.O		7.851E-11	
7	3.522E 01	6.054E-01	1.438E-02	5.883E-11	8.461E-13
р	4.075E 01	1.150E 00		4.341E-11	
9	4.628E 11	1.072E CO		3.904E-11	
10	5.181E C1	1.018E CC	3.1466-02	3.576E-11	1.125E-12
11	5.735E 01	1.014E 0C		3.470E-11	
12	6.288E 01	1.015E GC		3.420E-11	
13	6.841E 01	1.021E 0C	3.297E-02	3.420E-11	1.128E-12
14	7.394E 01	1.018E 0C		3.463E-11	
15	7.947E 01	1.010E 0C		3.524E-11	
16	8.501E C1	1.0108 00	3.0376-02	3.675E-11	1.116E-12
17	9.054E C1	1.0108 00		3.846E-11	
18	5.607E 01	I.CINE CC		4.118E-11	
19	1.016E 02	1.0108 00	2.770E-02	4.392E-11	1.216E-12
20	1.0/IE C2	1.009E 00		4.674E-11	
21	1.127E 02	1.008E 00		4.969E-11	
22	1.182E C2	1.009E 00	2.4568-02	5.279E-11	1.2976-12
~ ~ ~	1.237E 02	1.000E 00		5.600E-11	
24	1.293E C2	1.003E 00		5.927E-11	
27	1.1485 02	1.002E 00	2.146E-02	6.248E-11	1.3416-12
20	1.4035 02	1.0026 00		6.5/2E-11	
20	1.4396 12	1.0016 00	1 0705 00	6.94 (E-11	
20	1.5405 02		1.8/36-02	7.3156-11	1.370E-12
20	1.0096 02	1.004E 00		(•091E=11	
21		1.004E 00	1 (535 03	8.06/E-11	
71	1 7255 02	9.9996-01	1.00/2002	8.4445-11	1.3956-12
27	1.7015 02	9.9010-01		8.8165-11	
75	1. 9445 07	9.9756-01	1 4405 00	9.18/E-11	
25	1.0016 02	9.9/05-01	1.4406-02	9.5488-11	1.3/5E-12
24	1.0575.02	9.900C-01		9-907E-11	
37	2 0125 02	1.0025.00	1 2015-02	1.0475-10	1 2/25 12
3.0	2.0675 02	1 0055 00	1.5616-02	1.0225-10	1.3425-12
30	2.1236 02	1 0055 00		1.0425-10	
40	2.178E 02	1.0155 00	1.1505-02	1.1526-10	1 2265-12
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CHANNEL	ENERGY KEV		CORR.F	NCT •	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	2.233E	C2	1.020E	~~		1.213E-10	
42	2.288E	° 2	1.024E	30		1.2526-10	
43	2.344E	C2	1.C27E	10	1.022E-02	1.291E-10	1.319E-12
44	2.399E	r 2	1.03CE	90		1.3296-10	
45	2.454E	C2	1.036E	CO		1.363E-10	
46	2.510E	02	1.041E	<u>00</u>	9.218E-03	1.398E-10	1.289E-12
47	2.565E	02	1.047E	00		1.442E-10	
48	2.620E	02	1.053E	00		1.482E-10	
49	2.676E	02	1.960E	00	8.265E-03	1.515E-10	1.253E-12
50	2.731E	02	1.07CE	00		1.549E-10	
51	2.786E	02	1.984E	CC		1.582E-10	
52	2.842E	<u>^2</u>	1.093E	or	7.702E-03	1.615E-10	1.244E-12
53	2.897E	02	1.101E	00		1.648E-10	
54	2.952E	C 2	1.103E	0.0		1.687E-10	
55	3.008E	02	1.105E	00	6.827E-03	1.724E-10	1.177E-12
56	3.C63E	02	1.117E	CC		1.752E-10	
57	3.118E	° 2	1.129E	00		1.781E-10	
58	3.174E	C S	1.139E	00	6.333E-03	1.814E-10	1.149E-12
59	3.229E	02	1.146E	00		1.847E-10	
ĒŪ	3.284E	C 2	1.152E	00		1.881E-10	
61	3.340E	°2	1.157E	0.0	5.712E-03	1.918E-10	1.095E-12
62	3.395E	02	1.163E	20		1.956E-10	
63	3.450E	C 2	1.166E	na		1.990E-10	
64	3.506E	02	1.170E	CU	5.116E-03	2.023E-10	1.035E-12
65	3.561E	<u>^2</u>	1.184E	00		2.057E-10	
66	3.616E	<u>^2</u>	1.196E	00		2.088E-10	
67	3.672E	C 2	1.205E	C Ŋ	4.795E-03	2.116E-10	1.015E-12
68	3.727E	02	1.208E	00		2.146E-10	
65	3.782E	C 2	1.2C5E	00		2.179E-10	
70	3.838E	02	1.2C9E	CC	4.2256-03	2.209E-10	9.332E-13
71	3.893E	02	1.217E	າຕ		2.236E-10	
72	3.948E	C2	1.2308	00		2.269E-10	
73	4.004E	02	1.244E	00	3.9666-03	2.302E-10	9.131E-13
74	4.059E	C2	1.254E	00		2.341E-10	
75	4.114E	02	1.262E	00	,	2.377E-10	
76	4.169E	02	1.266E	00	3.6408-03	2.405E-10	8.7526-13
77	4.225E	02	1.266E	00		2.435E-10	
78	4.280E	°2	1.264E	00		2.468E-10	
79	4.335E	02	1.265E	00	3.174E-03	2.494E-10	7.916E-13
<u>80</u>	4.391E	02	1.266E	CC .		2.516E-10	

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TARGET NO. 11 INCIDENT ELECTRON ENERGY	Y 1.0 N	ENERGY	ELECTRON	INCIDENT	11	NO.	TARGET
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CHANNEL ENERGY Kev	CORR,FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
81 4.446E C	2 1.272E 00		2.548E-10	
82 4.501E 0	2 1.278E CC	2.863E-03	2.581E-10	7.388E-13
83 4.557E C	2 1.292E CC		2.603E-10	
84 4.612E 02	2 1.305E CO		2.627E-10	
85 4.667E 02	2 1.316E CC	2.6856-03	2.66CE-10	7.147E-13
86 4.723E C	2 1.324E 00		2.691E-10	
A7 4.778E 02	2 1.330E 00		2.719E-10	
88 4.8338 02	2 1.333E 00	2.4336-03	2.747E-10	6.682E-13
89 4.E89E C2	2 1.336E 00		2.774E-10	
90 4.944E C2	2 1.336E 00		2.802E-10	
91 4.999E 02	2 1.336E CO	2.148E-03	2.830E-10	6.079E-13
92 5.C55E C2	2 1.342E OC		2.861E-10	
93 5.11CE C2	2 1.348E CC		2.892E-10	
94 5.165E 02	1.354E 00	1.944E-03	2.923E-10	5.682E-13
95 5.221E 02	1.362E CC		2.954E-10	
96 5.276E C2	1.374E CC		2.982E-10	
97 5.331E 02	1.382E CO	1.796E-03	3.009E-10	5.405E-13
98 5.387E 02	1.388E 00		3.036E-10	
99 5.442E 02	1.390E CO		3.062E-10	
100 5.497E 02	1.391E OC	1.605E-03	3.089E-10	4.956E-13
101 5.553E 02	1.398E CC		3.117E-10	
102 5.608E 02	1.404E CC		3.146E-10	
103 5.663E 02	1.408E 00	1.455E-03	3.175E-10	4.619E-13
104 5.719E 02	1.411E 00		3.204E-10	
105 5.774E 02	1.413E 00		3.231E-10	
106 5.829E 02	1.418E CC	1.297E-03	3.258E-10	4.225E-13
107 5.885E 02	1.425E 00		3.285E-10	
108 5.940E 02	1.438E CC		3.311E-10	
109 5.995E 02	1.453E CC	1.206E-03	3.338E-10	4.024E-13
110 6.051E 02	1.452E 00		3.368E-10	
111 6.106E C2	1.45CE CC		3.399E-10	
112 6.161E 02	1.453E CC	1.0546-03	3.430E-10	3-6145-13
113 6.216E 02	1.458E CC		3.461E-10	
114 6.272E C2	1.468E CC		3.490E-10	
115 6.327E 02	1.477E CC	9.604E-04	3.517E-10	3.378E-13
116 6.382E C2	1.485E CC		3.544E-10	
117 6.438E C2	1.488E CC		3.570E-10	
118 6.493E C2	1.485E CC	8.498E-04	3.597E-10	3-0566-13
119 6.548E 02	1.485E CC		3.623E-10	
120 6.604E C2	1.48CE CC		3.650E-10	

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CHANNEI	L ENERG	Y	CORR	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
121	6.659E	C2	1.484E	cc	7.2996-04	3.676E-10	2.683E-13
122	6.714E	CS	1.491E	00		3.703E-10	
123	6.770F	C 2	1.5C8E	0.0		3.729E-10	
124	6.825E	CZ	1.52CE	aa .	6.775E-04	3.756E-10	2.545E-13
125	6.880E	CZ .	1.526E	<u> </u>		3.783E-10	
126	6.936E	02	1.527E	C		3.809E-10	
127	6.991E	C2	1.526E	CC	5.930E-04	3.836E-10	2.2748-13
128	7.046E	02	1.53CE	<u>ca</u>		3.868E-10	
129	7.102E	<u>^2</u>	1.535E	CC		3.901E-10	
130	7.157E	r 2	1.533E	CO	5.208E-04	3.934E-10	2.0496-13
131	7.212E	C 2	1.531E	O C		3,967E-10	
132	7.268E	n 2	1.527E	ac		3.998E-10	
133	7.323E	C 2	1.534E	aa 🛛	4.490E-04	4.022E-10	1.806E-13
134	7.378E	CZ	1.556E	CC		4.046E-10	
135	7.434E	°2	1.581E	00		4.071E-10	
136	7.4895	C S	1.6C7E	00	4.313E-04	4.095E-10	1.766E-13
137	7.544E	C Z	1.6°3E	0C		4.123E-10	
138	7.600E	C 2	1.592E	00		4.152E-10	
139	7.655E	02	1.583E	00	3.547E-04	4.181E-10	1.483E-13
140	7.710E	02	1.575E	O C		4.209E-10	
141	7.766E	02	1.5748	CC		4.2378-10	
142	7.821E	02	1.580E	00	3.0026-04	4.261E-10	1.279E-13
143	7.876E	C2	1.597E	00		4.286E-10	
144	7.932E	° 2	1.612E	CC		4.310E-10	
145	7.987E	02	1.627E	0 C	2.6895-04	4.334E-10	1.166E-13
146	8.042E	C2	1.614E	CC		4.364E-10	
147	8.C97E	02	1.594E	00		4.3956-10	
148	8.153E	C2	1.587E	00	2.083E-04	4.426E-10	9.218E-14
149	8.208E	C 2	1.584E	CC		4.457E-10	
150	8.263E	02	1.6C6E	0.0		4.486E-10	
151	8.319E	<u>^2</u>	1.618E	00	1.819E-04	4.51°E-10	8.204E-14
152	8.374E	C2	1.612E	CC		4.535E-10	
153	8.429E	C 2	1.599E	00		4.559E-10	
154	8.485E	02	1.579E	0.0	1.403E-04	4.583E-10	6.432E-14
155	8.54CE	C2	1.571E	<u>C</u> C		4.609E-10	
156	e.595E	C 2	1.568F	00		4.636E-10	
157	8.651E	C S	1.585E	CC	1.132E-04	4.662E-10	5.276E-14
158	8.706E	02	1.607E	00		4.689E-10	
159	8.761E	02	1.662E	00		4.715E-10	
160	8.817E	C 2	1.7C2E	00	1.0826-04	4.739E-10	5.126E-14

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CHANNEL ENERGY KEV		CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX+TO DOSE R/PHOTON/ SQ+CM+	DOSE SPEC R-SQ CM./ MEV-ELEC.
161	8.872E C2	1.709E 00		4.764E-10	
162	8.927E 02	1.708E CC		4.788E-10	
163	8.983E C2	1.657E 0C	8.442E-05	4.812E-10	4.063E-14
164	9.138E 12	1.696E 00		4.84CE-10	
165	9.093E 02	1.699E 00		4.869E-10	
166	5.149E 02	1.667E CC	6.453E-05	4.897E-10	3.1608-14
167	9.204E 02	1.626E 00		4.926E-10	
168	5.259E C2	1.525E CC		4.954E-10	
169	5.315E 02	1.457E CC	3.601E-05	4.978E-10	1.793E-14
170	9.370E C2	1.455E CC		5.003E-10	
171	9.425E 02	1.469E 0C		5.027E-10	
172	9.481E C2	1.502E CC	2.831E-05	5.051E-10	1.430E-14
173	9.536E C2	1.612E 00		5.077E-10	
174	5.591E 02	1.762E CC		5.104E-10	
175	9.647E 02	1.853E CC	3.2996-05	5.130E-10	1.693E-14
176	5.702E C2	1.929E CC		5.157E-10	
177	5.757E 02	1.885E CC		5.183E-10	
178	5.813E 02	1.85CE 0C	2.0936-05	5.208E-10	1.090E-14
179	5.868E 02	1.845E 0C		5.232E-10	
180	5.923E 02	1.415E CC		5.256E-10	
181	9.978E 02	3.961E-C1	2.6708-06	5.281E-10	1.410E-15
182	1.003E 03	C.0	· _ ·	5.305E-10	

COSE= 6.255E-13 R-SQ.CM./ELECTRON

TARGET	NC.	12	INCIDENT	ELECTRCN	ENERGY	1.0 MEV	
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		NETONE OFFEETON				•
CH+	NET PULSE	HEIGHT SPECTRUM	PULTIPLIED	BY 2 PI SI	NTPHIJ CUSTPHI	·
_	7.5	15.0	30.0	45.0	60.0	75.0
7	9.429E-1	1.452E-C2	1.8896-02	1.373E-02	9.4888-03	3.110E-03
10	1.368E-0	2 2.127E-02	2.725E-02	1.973E-02	1.312E-02	4.408E-C3
13	1.510E-0	2 2.394F-02	2.946E-02	2.1646-02	1.391E-02	4.684E-03
16	1.481E-0	2 2.353E-02	2.821F-02	2.079E-02	1.316E-02	4.454E-03
19	1.411E-C	2 2.235E-02	2.645E-02	1.9406-02	1.202E-02	4.004E-03
22	1.282E-0	2 2.042E-02	2.386E-02	1.747E-02	1.0536-02	3.508E-03
25	1.159E-0	2 1.847E-0?	2.0995-02	1.5296-02	9.127E-03	3.051E-03
28	1.041E-0	2 1.668E-02	1.880E-02	1.343E-02	7.908E-03	2.624E-03
31	9-223F-0	3 1.481E-02	1-650E-02	1.203E-02	6-962E-03	2.269E-03
24	8.356F-0	3 1.341E-02	1.472E-02	1-052E-02	6-005E-03	1.982E-03
27	7.440E-0	1 1.198E-02	1.3156+02	9.144E-03	5-216E-03	1.701E-03
40	6-800E-0	3 1.096E=02	1.160E-02	8.150E-03	4.591E-03	1.4735-03
43	6.0315-0	3 6.9955-03	3.1675-02	7.1845-03	4-0435-03	1.2665-03
46	5 3865-0	3 8.695E=03	9.2355-03	6.3555-03	2 4875-03	1.1316-03
40	6 806E-0		9 4776-07	5 4025-02	3 0305-03	C 4906-04
57	4.6000000		7 2545-02	A 0225-02	2 4505-03	5.000E-04
76	4.4000-1		4 4925-02	4.9325-03	2.0396-03	7 2575-04
22	4 • 1 · E = ·			4.4220-03	2.3778-173	1.2010-04
26	1.040E-0	5 739E-113	5.8985-03	3.9286-03	2.090E-03	C.407E-04
61	3.281E-0	3 5.298E-03	5.304E-03	3-4272-03	1.8426-03	5.4298-04
64	3.030E-0	4.775E-03	4.7916-03	3.168E-03	1.603E-03	4.782E-04
67	2.773E-0	3 4.352E-03	4.361E-03	2.772E-03	1.429E-03	4.312E-04
70	2.458E-0	3 4.C16E-C3	3.840E-03	2.437E-03	1.238E-03	3.655E-C4
73	2.234E-0	3 3.541E-03	3.461E-03	2.2156-03	1.1146-03	3.2758-04
76	2.037E-0	3 3.287E-03	3.167E-03	1.953E-03	9.786E-04	2.751E-C4
79	1.878E-0	3 2.981E-C3	2.8416-03	1.726E-03	8.556E-04	2.447E-C4
82	1.675E-C	3 2.673E-03	2.581E-03	1.569E-03	7.4826-04	2.174E-04
85	1.531E-0	3 2.347E-03	2.294E-03	1.380E-03	6.578E-04	1.936E-04
88	1.377E-0	3 2.165E-03	2.035E-03	1.233E-03	5.755E-04	1.673E-04
91	1.281E-0	3 1.936E-03	1.846E-03	1.1136-03	5.049E-04	1.4776-04
94	1.125E-0	3 1.765E-03	1.725E-03	9.6268-04	4.475E-04	1.255E-04
97	1.047E-0	3 1.602E-03	1.508E-03	9.142E-04	4.056E-C4	1.107E-04
100	9.726E-0	4 1.533E-03	1.375E-03	7.780E-04	3.598E-C4	8.901E-05
103	8.393E-0	4 1.381E-03	1.195E-03	6.687E-04	3.204E-04	8.505E-05
106	7.906E-0	4 1.2578-03	1.118E-03	6.161E-04	2-610E-04	7-0955-05
109	7.128E-0	4 1.123E-03	9.691F-04	5.240F-04	2-251E-C4	6-283E-05
112	6.742E-0	4 1.022E-03	8-826E-04	4.855E-04	2.084E-04	5.4098-05
115	5. 568E-0	4 9-129E-C4	8.260E-04	4.180F-04	1.744E-04	4-5665-05
118	5. 32 7E-0	4 8-142E-04	7.265E-04	3.666E-04	1.493E-04	2.8175-05
121	4.635E-0	4 7.6455-04	6.100E-04	3-076E-04	1.3365-04	3.1905-05
124	4.237E-0	4 6.8555-04	6-034E-04	2.7956-04	1.1356-04	2.5416-05
127	3.7205-0	4 6 C605 - C4	5.2006-04	2 4145-04	0 7665-05	2.5416-05
120	3 3936-0		4 2225-04	2 0035-04	7.0025-05	2.0900-05
133	3 0305-0			2.09355-04	1. 903E-05	2.0495-05
122	3.1270-1		3.00000-04	1.49376-04		1.700000
100	2.5215-0		3. 303E-114	1.0778-04	5. /958-95	1.0256-05
1 3 9	2.7108-0	4 3.748E-U4	3.207E-04	1.5485-04	4.8546-05	1.1456-05
142	1.9756-0	4 3.084E+04	2.609E-04	1.2146-04	3.924E-05	6+515F-66
145	1.821E-0	4 3.058E-04	2.3156-04	1.045E-04	3.746E-05	7.003E-06
148	1.603E-C	4 2.634E-P4	1.926E-04	8-241E-05	3.506E-05	6.386E-C6
151	1.752E-0	4 2.526E-C4	1.896E-04	7.682E-05	2.388E-05	5.366E-06
154	1.257E-0	4 1.867E-04	1.458E-04	6.534E-05	2.030E-05	4.628E-06
157	1.0536-0	4 1.646E-C4	l.148E-04	4.743E-05	9.197E-06	3.735E-06
160	8.4695-0	5 1.344E-C4	1.034E-04	3.2056-05	1.352E-05	2.375E-CE
163	5.5306-0	5 1.230E-04	9.707E-05	2.6958-05	8.094E-06	2.574E-06
166	5.493E-0	5 1.086E-04	7.555E-05	2.426E-05	5.793E-06	1.9956-06
169	4.2728-0	5 7.401E-C5	5.015E-05	1.103E-05	8.320E-06	2.169E-06
172	3.2056-0	5 6.0576-05	4.241E-05	1.206E-05.	3.682E-06	1.2396-06
175	2.413E-0	5 441886-05	2.8805-05	1.036E-05	3.558E-06	5.382E-07
178	1. 380F-0	5 3.161E-05	1.457E-05	6.255E-04	1.8505-04	3.3295-07

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CHANNE	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
1	2.022E 00	C. 1		0.0	
2	7.5548 PP	r.r		C.C	
3	1.3096 01	с•ц о о		5.7416-11	
4	1.867E 01	· · ·		1.603E-10	
2	2.4155 01			1.399E-10	
7	2.9000 (1)	5 9745-01	0 5495-02	(+0)IE=11	E (17E-12
, o	0.0765 01		9.9482-03	2.0035-11	2.01/6-13
c c	4 6295 01	1.0555.00		3 0045-11	
10	5.1816 01	1.0116.00	2.3576-02	3.5765-11	8. 4775-13
11	5.735E 01	1.007E 00		3.470E-11	0.4271-19
12	6.288E C1	1.009E 00		3.420E-11	
13	6.841F 01	1.016F 00	2.5825-02	3.420E-11	8-829E-13
14	7.394E C1	1.013E 00		3.463E-11	
15	7.947E 01	1.007E 00		3.524E-11	
16	8.501F 01	1.007E CC	2.462E-02	3.675E-11	9.048E-13
17	9.054E C1	1.008E 00		3.846F-11	
18	9.607E 01	1.009E 00		4.118E-11	
19	1.016E 02	1.009E 00	2.306E-02	4.392E-11	1.013E-12
20	1.071E C2	1.008E 00		4.674E-11	
21	1.127E ^2	1.008E 00		4.969E-11	
22	1.182E C2	1.009E 00	2.073E-02	5.279E-11	1.094E-12
23	1.237E C2	1.005E 00		5.600E-11	
24	1.293E 0?	9.987E-01		5.927E-11	
25	1.348E 02	9.981E-C1	1.8116-72	6.248E-11	1.131E-12
26	1.473E 02	9.9856-01		6.572E-11	
27	1.459E ^2	9.999E-01		6.943E-11	
28	1.514E C2	1.001E 20	1.612E-02	7.315E~11	1.179E-12
29	1.569E C2	1.003E 00		7.691E-11	
30	1.625E 02	1. CC1E 00		8.0672-11	
31	1.680E 07	9.961E-01	1.4198-07	8.444E-11	1.198E-12
*7	1.7356 02	9.951E-CI		8.816E-11	
33	1.791E 02	9.9636-01		9.187E-11	
34	1.746E (12	5.942E-C1	1.2565-02	9.548E-11	1.199E-12
20	1.9018 02	9.913E-01		9.90/E-11	
3C 7C	1.57 (2 12	9.8035-01 C 6715-01	1 0795-07	1.0242-10	1 1205 12
20	201125 12	9+0/1E=V1 C 462E=C1	1.0.000-05	1 0225-10	1.1295-12
20	2 1226 02	9.402E-01		1.0625-10	
40	C+1670 12	9. JOIC-(L	9.4305-03	1.1525-10	1 0005-13
	C . L . C C	707000-1	フォマファビーいう	101275710	メッリログモーエイ

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CHANNE	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
41	2.233E 02	1.045E CC		1.2138-10	
42	2.288E C2	1.198E CC		1.2526-10	
43	2.344F M2	1.223E 00	1.7626-02	1.2916-10	2.274E-12
44	2. 399E N2	1.215E 00		1.329E-10	
45	2.454E ^2	1.058E CC		1.363E-10	
46	2.5108 02	9.311E-C1	7.277E-03	1.3986-10	1.017E-12
47	2.5658 02	9.525E-01		1.442E-10	
4 9	2.62°E 02	5.790E-01		1.482E-10	
49	2.676E C2	1.015E_00	7.082E-03	1.515E-10	1.073E-12
59	2.731E 02	1.042E 00		1.549E-10	
51	2.786E 02	1.062E CO		1.582E-10	
52	2.842E C2	1.078E CC	6.663E-^3	1.615E-10	1.076E-12
53	2.897E 02	1.091E 00		1.648E-10	
54	2.9528 02	1.101E CO		1.687E-10	
55	3.008E 02	1.11CE 00	6.160E-03	1.724E-10	1.062E-12
56	3.063E 02	1.119E CO		1.7526-10	
57	3.118E 02	1.127E CO		1.781E-10	
58	3.174E C2	1.134E 00	5.6196-03	1.814E-10	1.019E-12
59	3.229E C2	1.14CE 00		1.847E-10	
60	3.284E C2	1.146E CO		1.881E-10	
61	3.340E 02	1.154E 00	5.114E-03	1.918E-10	9.808E-13
62	3.795E C2	1.162E OC		1.956E-10	
63	3.450E 02	1.172E 00		1.990E-10	
64	3.506E 02	1.181E 00	4.737E-03	2.023E-10	9.584E-13
65	3.561E 02	1.190E CO		2.057E-10	
66	3.616E 02	1.198E CO		2.088E-10	
67	3.672E 02	1.203E 00	4.3465-03	2.116E-10	9.196E-13
68	3.727E 02	1.207E CO		2.146E-10	
69	3.782E C2	1.208E 00		2.179E-10	
70	3.838E 02	1.213E 00	3.888E-03	2.209E-10	8.587E-13
71	3.893E 02	1.218E 00		2.236E-10	
72	3.948E C2	1.225E 00		2.269E-10	
73	4.004E 02	1.233E 00	3.553E-03	2.302E-10	8.18°E-13
74	4.059E 02	1.242E 00		2.341E-10	
75	4.114E C2	1.251E 00		Z.377E-10	
76	4.169E 02	1.256E 00	3.273E-03	2.405E-10	7.871E-13
77	4.725E M2	1.2618 00		Z.435E-10	
78	4.289E 02	1.268E 00		2.468E-10	
79	4.335E 02	1.273E 0C	2.974E-03	7.494E-10	7.418E-13
80	4.391E 02	1.279E CC		2.516F-10	•

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DO SE SPEC R-SQ CM./ MEV-ELEC.
e l	4.446E 02	1.287E CC		2.548E-10	
82	4.501E 2	1.296E 00	2.724E-03	2.581E-10	7.029E-13
H 3	4.557E C2	1.297E		2.6035-10	
P4 05	4.CL2E P2	1.3000 00	2 6265-02	2.6275-10	4 4825-13
77	4.7075 02	1.3045 00	2.4205-03	2+00000-10	0.4775-15
07	4.7235 112			2.0910-10	
00	4 0776 02		2 2015-02	2 7475-10	6 0455-17
90	4.98CE 02	1.3265 00	2.2016-03	2.7745-10	0.0492-15
<u>6</u>	4.9445 02	1.3336 00		2-8025-10	
a)	4.999F C2	1.340E 00	2.0175-03	2.830E+10	5.7085-13
92	5.055E 02	1.346E 00		2.861E-10	J. Met-15
63	5.11CE 02	1.3536 00		2.8926-10	
94	5.165E 02	1.358E CC	1.842E-03	2.923E-10	5.384F-13
95	5.221E 02	1.364F CO		2.954E-10	J. J
96	5.276E C2	1.372E CO		2.982E-10	
97	5.331E 02	1.381E CC	1.7C0E-03	3.009E-10	5-116E-13
9.8	5.387E 02	1.390E 00		3.036E-10	
99	5.442E C2	1.399E CC		3.0628-10	
100	5.497E C2	1.407E CC	1.570E-03	3.089E-10	4.850E-13
101	5.553E C2	1.403E 00		3.117E-10	
107	5.608E 02	1.399E CC		3.146E-10	
103	5.663E 02	1.399E 00	1.371E-03	3.175E-10	4.354E-13
104	5.719E C2	1.405E 00		3.204E-10	
105	5.774E 02	1.420E 00		3.231E-10	
106	5.829E C2	1.427E 0C	1.2786-03	3.258E-10	4.163E-13
107	5.885E 02	1.426E 00		3.285E-10	
106	5.940F 02	1.422E 00		3.311E-10	
109	5.995E 02	1.417E CC	1.109E-03	3.338E-10	3.702E-13
110	6.051E 02	1.432E 00		3.368E-10	
111	6.106E 02	1.449E CC		3.399E-10	
112	6.161E M2	1.462E CC	1.051E-03	3.430E-10	3.605E-13
113	6.216E 02	1.473E 00		3.461E-10	
114	6.272E 02	1.477E CC		3.490E-10	
115	6.327E 02	1.481E CC	9.516E-^4	3.517E-10	3.347E-13
116	6.382E 02	1.485E CC		3.544E-10	
117	6.438E C2	1.486E CO		3.570E-10	
118	6.493E C2	1.484E CC	8.4C4E-04	3.597E-10	3.022E-13
119	6.548E ^2	1.481E CC		3.623E-10	
120	6.6C4E 02	1.479E 00		3.650E-10	

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CHANN	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
121	6.659E C2	1.487E 00	7.354E-04	3.676E-10	2.704E-13
173	6.770F 02	1.5256 00		3.7205-10	
124	6.825E 02	1.541E 00	7.0536-04	3.7565-10	2.6495-13
125	6.880E 02	1.546E 00		3.7836-10	200492-13
126	6.936E C2	1.545E CC		3.809E-10	
127	6.991E C?	1.54CE 00	6-132E-04	3-836E-10	2.3526-13
128	7.046E 02	1.525E 00		3-868E-10	
129	7.102F 02	1.508E 00		3.901E-10	
130	7.157E C2	1.498E 0C	5.002E-04	3.934E-10	1.968E-13
131	7.212E C2	1.493E CC		3.967E-10	
122	7.268E ^2	1.504E CO		3.998F-10	
133	7.323E 02	1.519E 00	4.524E-04	4.022E-10	1.819E-13
134	7.378E C2	1.538E CO		4.046E-10	
135	7.434E 02	1.559E CC		4.071E-10	
136	7.489E 02	1.580E 00	4.296E-04	4.095E-10	1.759E-13
137	7.544E 02	1.601E 00		4.123E-10	
138	7.600E 02	1.622E 00		4.152E-10	
139	7.655E C2	1.618E 00	3.9992-04	4.181E-10	1.668E-13
140	7.71°E 02	1.607E 00		4.209E-10	
141	7.766E 02	1.565E 00		4.237E-10	
142	7.821E 02	1.546E 00	3.072E-04	4.261E-10	1.309E-13
143	7.876E C2	1.564E 00		4.286E-10	
144	7.°32E ^2	1.587E 00		4.310E-10	
145	7.987E C2	1.615E 00	2.952E-04	4.334E-10	1.280E-13
146	8.042E 02	1.617E CC		4.364E-10	
147	P. 097E 02	1.611E 00		4.395E-10	
148	8.153E C2	1.622E 00	2.510E-04	4.426E-10	1.111E-13
149	8.208E 02	1.638E 00		4.457E-10	
150	8.263E 02	1.682E CO		4.486E-10	
151	8.319E C2	1.707E 00	2.43?E-04	4.510E-10	1.097E-13
152	8.374E C2	1.698E 00		4.535E-10	
153	8.429E C2	1.679E 00		4.559E-10	
154	E.485E C2	1.651E 00	1.8896-04	4.583E-10	8.6586-14
155	8.54CE C2	1.628E CC		4.609E-10	
156	8.595E C2	1.608E CC		4.636E-10	
157	8.651E C2	1.597E 00	1.454E-04	4.662E-10	6.78CE-14
158	8.7C6E C2	1.590E CC		4.689E-10	
159	8.761E C2	1.599E CC		4.715E-10	
160	8.817E C2	1.614E 00	1.2326-04	4.7398-10	5.838E-14

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CHANNE	L ENERG KEV	Y	CORR.FACT.	ENGY.SPEC. Photons/mev -electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
161	8.872E	65	1.642E 00		4.764E-10	
162	8.927E	<u>^2</u>	1.672E 00		4.788E-10	
163	8.983E	u 5	1.703E 00	1.120E-04	4.812E-10	5.392E-14
164	5.038E	C 2	1.737E ^C		4.84°E-10	
165	S. 093E	02	1.771E CC		4.869E-10	
166	5.149E	n 2	1.763E CC	9.8576-05	4.897E-10	4.827E-14
147	5.204E	<u>^2</u>	1.745E CC		4.926E-10	
168	5.259E	C 2	1.663E CC		4.954E-10	
169	9.315E	02	1.609E 00	6.15?E-05	4.978E-10	3.067E-14
170	9.370E	n S u	1.629E 00		5.003E-10	
171	5.425E	C 2	1.658F 00		5.027E-10	
172	9.481E	C 2	1.695E 00	5.281E-05	5.051E-10	2.668E-14
173	9.536E	r2	1.712E 00		5.077E-10	
174	5.591E	<u>r 2</u>	1.718E 0C		5.104E-10	
175	9.647E	02	1.708E 00	3.8395-05	5.130E-10	1.969E-14
176	9.702E	n 2	1.695E CC		5.157E-10	
177	9.757E	° 2	1.643E nr		5.183E-10	
178	5.813E	<u>^2</u>	1.638E CC	2.262E-05	5.208E-10	1.178E-14
179	5.868E	C 2	1.791E 00		5.232E-10	
180	9.923E	r 2	1.445E 00		5.2568~10	
181	9.978E	C 5	4.C44E-01	4.754E-06	5.281E-10	2.510E-15
192	1.003E	ΟĴ	C.C		5.305E-10	

COSE= 5.777E-13 R-SQ.CM./ELECTRON

TAR	GET NC. 1 INC	IDENT ELECTRO	IN ENERGY 2.5	5 MEV		
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PH)	1).
	7.5	15.0	30.0	45.0	60.0	75.0
6	5.522E-02	1.721E-01	1.9086-01	1.554E-01	9.035E-02	3.120E-02
9	9.196E-C2	1.587E-01	1.7C6E-01	1.379E-01	8.518E-02	2.951E-C2
12	7.518E-02	1.244E-01	1.3428-01	1.077E-01	6.530E-02	2.272E-C2
15	6°L91E-05	9.857E-C2	1.0676-01	8.343E-02	5.022E-02	1.742E-02
18	4.995E-C2	7.963E-02	8.4696-02	6.616E-02	3.918E-C2	1.342E-02
21	4.116E-02	6.573E-02	6.924E-02	5.3478-02	3.091E-02	1.054E-02
74	3.375E-02	5.437E-02	5.6268-02	4.3558-02	2.493E-02	8.421E-03
27	2.8506-02	4.6498-02	4.654E-02	3.476E-02	2.0446-02	6.629E-03
30	2.495E-02	3.8155-02	3.889E-02	2.9085-02	1.6228-02	5.292E-03
- 33	2.096F-02	3.351E-C2	3.344E-02	2.4376-02	1.352E-02	4.501E-03
- 36	1.7876-02	2.799E-02	2.7736-02	2.0556-02	1.119E-02	3.570E-03
29	1.569E-02	2.491E-02	2.372E-02	1.7336-02	9.349E-03	2.977E-03
42	1.380E-02	2.132E-02	1.995E-02	1.453E-02	7.9336-03	2.526E-^3
45	1.192E-02	1.8476-02	1.760E-02	1.221E-02	6.600E-03	2.155E-03
4 8	1.064E-02	1.650E-02	1.533E-02	1.063E-02	5.820E-03	1.808E-03
51	S.075E-03	1.3776-02	1.3646-02	9.414E-03	5.008E-03	1.5388-03
54	8.459E-03	1.2338-02	1.188E-02	8.043E-03	4.2128-03	1.300E-03
57	7.419E-03	1.089E-02	1.043E-02	7.0286-03	3.511E-03	1.143E-03
61	6.732E-03	5.884E-C3	9.056E-03	6.507E-03	3.184E-C3	9.9928-04
63	6.079E-03	9.154E-03	8.056E-03	5.604E-03	2.774E-03	8.875E-04
66	5.597E-03	7.754E-03	7.108E-03	4.799E-03	2.356E-03	7.728E-04
69	4.932E-03	7.404E-03	6.385E-03	4.046E-03	2.0398-03	6.462E-04
72	4.496E-03	6.446E-03	5.871E-03	3.768E-03	1.7786-03	5.512E-04
75	4.152E-C3	5.578E-03	5.131E-03	3.271E-03	1.530E-03	5.176E-04
78	3.688E-C3	5.173E-03	4.673E-03	2.9006-03	1.306E-03	4.066E-04
81	3.395E-03	4.663E-03	4.097E-03	2.677E-03	1.242E-03	3.710E-04
94	3.211E-03	4.304E-03	3.531E-03	2.163E-03	1.0266-03	3.06CE-04
97	2.848E-03	4.005E-03	3.186F-C3	1.948E-03	8.573E-04	2.748E-04
٩n	2.569E-03	3.375E-03	2.828E-03	1.794E-03	e.451E-04	2.384E-04
a 3	2.3456-03	3.284E-03	2.503E-03	1.5446-03	7.123E-04	1.980E-C4
٩6	2.040E-03	2.8576-03	2.344E-03	1.428E-03	6.209E-04	1.439E-04
٩ç	1.882E-03	2.538E-03	1.980E-03	1.209E-03	5.011E-04	1.255E-04
172	1.699E-03	2.297F-03	1.774E-03	1.114E-03	4.089E-04	1.294E-04
115	1.546E-03	2.015E-C3	1.550E-03	8.601E-04	3.616E-04	1.061E-04
108	1.423E-03	1.957E-03	1.409E-03	7.774E-04	3.060E-04	7.6906-05
111	1.257E-03	1.700E-03	1.156E-03	6.141E-04	2.760E-04	6.333E-C5
114	1.055E-03	1.492E-03	1.117E-03	5.579E-04	1.855E-04	4.904E-05
117	1.027E-03	1.195E-03	9.517E-04	4.173E-04	1.657E-04	3.914E-05
120	9.161E-04	1.1976-03	7.539E-04	3.8396-04	1.284E-04	2.794E-C5
127	8.736E-C4	8.304E-04	6.060E-04	3.057E-04	1.256E-04	2.085E-05
126	5.8926-04	7.8006-04	6.288E-04	2.410E-04	9.620E-05	1.882E-05
129	6.^58E-C4	6.469E-04	4.602E-04	2.454E-04	5.226E-05	1.153E-05
132	4.909E-04	5.927E-04	2.884E-04	1.469E-04	3.549E-05	1.193E-05
135	4.756E-C4	4.969E-04	2.534E-04	1.246E-04	3.834E-05	5.990E-06
139	3.465E-04	4.392E-04	2.208E-04	8.766E-05	1.779E-05	4.351E-06
141	2.753E-04	3.174E-C4	1.587E-04	5.64°E-05	1.485E-C5	3.405E-C6
144	2.044E-04	2.6458-04	1.093E-04	6.185E-05	1.054E-05	E.703E-07
147	1.634F-04	1.340E-04	7.389E-05	2.249E-05	2.936E-06	1.293E-06
150	1.110E-04	9.521E-05	4.919E-05	3.374E-07	1.468E-05	2.5358-08
152	3.4346-05	6.347E-05	3.5205-05	5.9605-06	1 7415-07	0.0

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.		
1	4.074E C1	 0		4.34?E-11			
2	5.709E 01	r.a		3.475E-11			
3	7.343E 01	r. n		3.458E-11			
4	8.978E Cl	e. n		3.8146-11			
5	1.061E 02	2.470E-01		4.623E-11			
6	1.225E C2	9.058E-C1	1.559E-01	5.526E-11	8.616E-12		
7	1.388E 02	9.890F-01		6.482E-11			
9	1.552E 02	9.769E-01		7.572E-11			
q	1.7158 02	9.857E-01	1.546E-01	8.682E-11	1.342E-11		
10	1.879F 02	5.869E-01		9.762E-11			
11	2. 42E 12	5.894E-01		1.039E-10			
12	2.206E C2	1.001E 00	1.230E-01	1.194E-10	1.469E-11		
13	2.369E 02	1.011E 00		1.308E-10			
14	2.533E 02	1.023E 0C		1.416E-10			
15	2.696E C2	1.042E 00	1.006E-01	1.528E-10	1.536E-11		
16	2.86NE NZ	1.065E 00		1.626E-10			
17	3.023E 02	1.088E 0C		1.732E-10			
19	3.1876 C2	1.106E 00	8.4925-02	1.822E-10	1.547E-11		
19	3.3508 02	1.127E CC		1.925E-10			
24	3.513E C2	1.15°E 00		2.028E-10			
21	3.677E 02	1.166E 00	7.266E-02	2.118E-10	1.539E-11		
22	3.840E 02	1.1836 CC		2.210E-10			
2.5	4. 1048 02	1.501E CC		2.303E-10			
25	4.167E 112	1.213E CC	6.164E-02	2.404E-10	1.482E-11		
77	4.131E C2	1.228E 10		2.492E-10			
20	4.4948 02	1.246E CC		2.577E-10			
20	4.0085 62	1.259E PC	5.2/2E-02	2.655E-10	1.400E-11		
20	4.821E 112	1.273E PC		2.741E-10			
20	4.585E 12	1.29CE CC		2.822E-10			
21	5.1485 02	1.303E 00	4.5742-02	2.913E-10	1.318E-11		
21	5 4755 62	1.318E 00		3.000E-10			
22	5 4305 02		2 00/5 00	3.078E-10			
34	5 0036 03		3.9946-02	3.1626-10	1.263E-11		
35	5 6446 02	1.270E 00		3.2451~10			
36	5. 70CE 12		2 (115 02	3.3246-10			
37	6 202E 02	1.202E 00	5.411E-02	5.412E-10	1.1646-11		
29	6 4545 M2	1 41 25 00		2.500E-10			
30	6 620E 03	1 49125 00	3 0305-03	3.5798-10			
40	6 703E 03	1.4245 00	2	3.05/E-10	1.1056-11		
4	C. (D)E "2	1.454		5./36E-19			
TARGET	NO.	1	INCIDENT	ELECTRON	ENERGY	2.5	MEV
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CHANNE	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV+ELEC.
41	6.947E 02	1.444E 00		3.814E-10	
42	7.110E 02	1.452E CC	2.612E-02	3.906E-10	1.020E-11
43	7.773E 02	1.46CE CO		4.000E-10	
44	7.437E 02	1.468E CC		4.072E-10	
45	7.600E 02	1.479E CC	2.288E-02	4.152E-10	9.501E-12
46	7.764E 02	1.493E CC		4.236E-10	
47	7.927E 02	1.508E CC		4.308E-10	
48	8.091E 02	1.522E 00	2.0676-02	4.391E-10	9.078E-12
49	8.254E 02	1.534E 00		4.482E-10	
50	8.418E 02	1.543E CC		4.554E-10	
51	8.581E 02	1.554E CO	1.832E-02	4.629E-10	8.480E-12
52	8.745E 02	1.565E CC		4.707E-10	
53	8.908E 02	1.578E OC		4.780E-10	
54	9.072E 02	1.59CE 00	1.639E-02	4.857E-10	7.960E-12
55	9.235E C2	1.602E 00		4.942E-10	
56	5.399E 02	1.609E CC		5.015E-10	
57	9.562E 02	1.62CE 00	1.457E-02	5.090E-10	7.416E-12
58	9.726E 02	1.636E CO		5.168E-10	
59	5.889E 02	1.652E CC		5.241E-10	
60	1.005E 03	1.667E 0C	1.348E-02	5.313E-10	7.164E-12
61	1.022E 03	1.683E 00		5.385E-10	
62	1.038E 03	1.698E 0C		5.457E-10	
63	1.054E 03	1.711E 00	1.232E-02	5.529E-10	6.810E-12
64	1.071E 03	1.719E 0C		5.601E-10	
65	1.º87E 03	1.722E 00		5.668E-10	
66	1.103E 03	1.726E 00	1.0796-02	5.735E-10	6.188E-12
67	1.120E 03	1.741E 00		5.807E-10	
68	1.136E 03	1.754E 0C		5.874E-10	
69	1.152E 03	1.767E 00	9.848E-03	5.941E-10	5.850E-12
70	1.169E 03	1.787E 00		6.012E-10	
71	1.185E 03	1.807E CC		6.080E-10	
72	1.201E 03	1.825E CC	9.182E-03	6.145E-10	5.643E-12
73	1.218E 03	1.832E 00		6.204E-10	
74	1.234E 03	1.836E 00		6.267E-10	
75	1.250E 03	1.838E 0C	8.106E-03	6.332E-10	5.132E-12
76	1.267E C3	1.857E CC		6.391E-10	
77	1.283E 03	1.872E 00		6.449E-10	
78	1.300E 03	1.884E CC	7.459E-03	6.508E-10	4.854E-12
79	1.316E 03	1.907E CC		6.567E-10	
80	1.332E 03	1.928E CC		6.629E-10	

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TARG	ET NC. 2 INC	IDENT ELECTRO	N ENERGY 2.	5 MEV	
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI).
	7.5	15.0	30.0	45.0	60.0
6	5.391F-02	1.564E-C1	1.844E-C1	1.473E-01	8.562E-02
9	9.071E-02	1.4128-01	1.672E-01	1.308E-01	8.2658-02
12	7.383E-C2	1.147E-01	1.3246-01	1.027E-01	6.307E-02
15	6.039E-C2	9.138E-C2	1.053E-01	8.060E-02	4.915E-02
18	4.924E-02	7.383E-02	8.3856-02	6.382E-02	3.849E-02
21	4.068E-02	6.075E-C2	6.794E-02	5.1146-02	3.017E-02
24	3.451E-C2	5.099E-C2	5.600E-02	4.122E-02	2.414E-02
27	2.884E-02	4.1776-02	4.655E-02	3.3468-02	1.969E-02
30	2.513E-02	3.601E-02	3.8856-02	2.791E-02	1.584E-02
33	2.1286-02	3.C69E-C2	3.2506-02	2.2935-07	1.3356-02
36	1.810E-02	2.6085-02	2.739E-02	1.932E-02	1.084E-02
зd	1.623E-02	2.281E-02	2.337E-02	1.629E-02	9.052E-03
42	1.380E-02	1.976E-C2	2.068E-02	1.403E-02	7.583E-03
45	1.226E-02	1.738E-02	1.7416-02	1.231E-02	6.389E-03
4 8	1.064E-02	1.530E-02	1.5276-02	1.028E-02	5.468E-03
51	9.707E-03	1.31CE-C2	1.338E-02	8.8326-03	4.796E-03
54	8.520E-03	1.221E-02	1.1526-02	7.642E-03	4.013E-03
57	7.604E-03	1.021E-02	1.038E-02	6.607E-03	3.498E-03
60	6.894E-C3	9.098E-03	8.9376-03	5.870E-03	3.040E-03
63	6.08E-03	8.217E-03	8.109E-03	5.059E-03	2.637E-03
66	5.614E-03	7.362E-03	7.1366-03	4.437E-03	2.303E-03
69	5.061E-03	6.762E-03	6.304E-03	4.173E-03	1.996E-03
72	4.6876-03	6.109E-03	5.4836-03	3.452E-03	1.775E-03
75	4.191E-03	5.523E-03	4.9488-03	3.242E-03	1.5198-03
78	3.833E-^3	5.062E-03	4.503E-03	2.688E-03	1.309E-03
81	3.601E-03	4.386E-C3	3.948E-C3	2.511E-03	1.184E-03
84	3.181E-03	3.932E-03	3.8206-03	2.196E-03	1.016E-03
97	2.785E-03	3.570E-03	3.257E-03	1.888E-03	9.932E-04
ġŬ	2.582E-C3	3.265E-C3	2.774E-03	1.664E-03	7.869E-04
93	2.384E-03	3.204E-03	2.579E-03	1.413E-03	7.031E-04
96	2.180E-03	2.6826-03	2.236E-03	1.262E-03	5.771E-04
99	1.972E-03	2.548E-03	2.041E-03	1.1336-03	4.728E-04
102	1.712E-03	2.210E-03	1.9056-03	9.58°E-04	4.148E-04
105	1.497E-03	1.876E-C3	1.6356-03	7.736E-04	3.206E-04
108	1.456E-03	1.704E-03	1.3716-03	7.8276-04	2.8578-04
111	1.269E-03	1.615E-03	1.3306-03	6.247E-04	2.421E-04
114	1.114E-03	1.3526-03	1.022E-03	5.488E-04	1.833E-04
117	1.037E-03	1.2528-03	9.144E-04	4.876E-04	1.5336-04
120	8.697E-04	1.076E-03	6.622E-04	3.880E-04	1.436E-04
123	7.844E-04	8.722E-C4	6,7896-04	2.4668-04	8.705E-05
126	7.063E-04	8.214E-C4	5.3506-04	2.124E-04	8.5216-05
129	6.519E-04	4.718E-04	4.272E-C4	2.145E-04	7.507E-05
132	5.556E-C4	5.688E-C4	3.996E-04	1.527E-04	4.282E-05
135	4.585E-C4	4.609E-04	3.17CE-04	1.267E-04	3.417E-05
138	3.473E-04	3.501E-04	1.871E-04	9.908E-05	2.419E-05
141	3.361F-04	3.1488-04	1.5668-04	7.3616-05	1.696E-05
144	1.989E-C4	2.6C4E-C4	1.146E-04	4.780E-05	1.131E-05
147	1.487E-04	1.236E-C4	8.6305-05	1.985E-05	2.826E-06
150	1.716E-04	8.247E-05	5.431E-05	1.985E-05	-1.244E-06
152	6 1885-05	3.7726-05	2-2326-05	5-6236-06	8-4795-08

CHANNEI	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
1	4.074E C1	r.,		4.342E-11	
2	5.709E 01	C.0		3.475E-11	
3	7.343E 01	0.0		3.458E-11	
4	8.978E 01	0.0		3.814E-11	
5	1.061E 02	2.468E-01		4.623E-11	
6	1.225E 02	9.050E-01	1.568E-01	5.526E-11	8.663E-12
7	1.788E C2	9.882E-C1		6.482E-11	
8	1.552E 02	9.762E-01		7.572E-11	
9	1.715E 02	9.849E-01	1.5616-01	8.682E-11	1.355E-11
19	1.879E 02	9.863E-01		9.762E-11	
11	2.042E 02	5.889E-C1		1.039E-10	
12	2.206E 02	1.001E OC	1.252E-01	1.194E-10	1.495E-11
13	2.369E 02	1.011E OC		1.308E-10	
14	2.533E 02	1.023E 0C		1.416E-10	
15	2.696E 02	1.043E 00	1.032E-01	1.528E-10	1.577E-11
16	2.860E 02	1.065E 00		1.626E-10	
17	3.0236 02	1.089E CO		1.732E-10	
18	3.187E 02	1.107E OC	8.725E-02	1.822E-10	1.590E-11
19	3.350E P2	1.128E 00		1.925E-10	
20	3.513E 02	1.150E 00		2.028E-10	
21	3.677E 02	1.164E 0C	7.404E-02	2.118E-10	1.569E-11
22	3.840E C2	1.182E CC		2.210E-10	
23	4.004E 02	1.201E 00		2.303E-10	
24	4.167E 02	1.214E 00	6.329E-02	2.404E-10	1.521E-11
25	4.331E CZ	1.229E 00		2.492E-10	
26	4.494E 02	1.245E OC		2.577E-10	
27	4.658E 02	1.257E 00	5.386E-02	2.655E-10	1.430E-11
28	4.821E ^2	1.273E CO		2.741E-10	
29	4.985E 02	1.293E CC		2.822E-10	
30	5.148E 72	1.306E 00	4.686E-02	2.913E-10	1.365E-11
31	5.312E C2	1.320E 00		3.000E-10	
32	5.475E CZ	1.334E 00		3.078E-10	
33	5.639E 02	1.345E 00	4.041E-02	3.162E-10	1.278E-11
34	5.802E 02	1.357E CC		3.2456-10	
75	5.966E 02	1.369E 00		3.324E-10	
36	6.129E 02	1.381E CO	3.483E-02	3.412E-10	1.189E-11
37	6.293E C2	1.393E 00		3.50CE-10	
38	C.456E CZ	1.409E 00		3.579E-10	
39	6.620E 02	1.471E CO	3.067E-02	3.657E-10	1.1228-11
ŧů	6.783E C2	1.432E 00		3.736E-10	

CHANNEL	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
41	6.947E 02	1.446E 00		3.814E-10	
42	7.110E 02	1.456E CO	2.729E-02	3.906E-10	1.062E-11
43	7.273E C2	1.465E 00		4.000E-10	
44	7.437E 02	1.474E 00		4.072E-10	
45	7.60GE 02	1.484E CC	2.391E-02	4.152E-10	9.930E-12
46	7.764E 02	1.496E 00		4.236E-10	
47	7.927E 02	1.506E CO		4.308E-10	
46	8.C91E 02	1.518E CC	2.110E-02	4.391E-10	9.264E-12
49	8.254E C2	1.530E 00		4.482E-10	
50	8.418E C2	1.542E 00		4.554E-10	
51	8.581E C2	1.554E QQ	1.883E-02	4.629E-10	8.714E-12
52	8.745E 02	1.567E CC		4.707E-10	
53	8.908E 02	1.579E 0C		4.780E-10	
54	9.072E 02	1.592E 00	1.6866-02	4.857E-10	8.190E-12
55	9.235E 02	1.604E 00		4.942E-10	
56	5.399E 02	1.614E 00		5.015E-10	
57	9.562E 02	1.625E CC	1.503E-02	5.09PE-10	7.652E-12
58	9.726E 02	1.638E CC		5.168E-10	
55	5.889E 02	1.647E 00		5.241E-10	
60	1.05E C3	1.659E CC	1.349E-02	5.313E-10	7.170E-12
61	1.022E 03	1.673E CO		5.385E-10	
62	1.C38E 03	1.686E CC		5.457E-10	
63	1.C54E C3	1.698E 0C	1.2256-02	5.529E-10	6.772E-12
64	1.0718 03	1.711E CC		5.601E-10	
65	1.C87E C3	1.729E 00		5.668E-10	
66	1.103E 03	1.729E CO	1.1066-02	5.735E-10	6.345E-12
67	1.120E /13	1.748E 7C		5.807E-10	
68	1.136E 03	1.766E 00		5.874E-10	
69	1.152E C3	1.783E 00	1.C32E-02	5.941E-10	6.128E-12
70	1.169E 03	1.751E nc		6.012E-10	
71	1.185E C3	1.795E CC		6.080E-10	
72	1.201E C3	1.799E 00	9.1C5E-03	6.145E-10	5.595E-12
73	1.218E 03	1.819E CC		6.204E-10	
74	1.234E 03	1.839E 00		6.267E-10	
75	1.25hE 03	1.857E 00	8.5066-03	6.332E-10	5.386E-12
76	1.267E 03	1.868E GC		6.391E-10	
77	1.283E C3	1.876E 00		6.449E-10	
78	1.300E C3	1.881E 00	7.639E-03	6.508E-10	4.9728-12
79	1.316E 03	1.8998 00		6.567E-10	
80	1.332E 03	1.914E CC		6.629E-10	

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CHANNE	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
81	1.349E 03	1.925E 00	7.016E-03	6.694E-10	4.697E-12
82	1.365E 03	1.946E CO		6.754E-10	
83	1.381E C3	1.967E 00		6.813E-10	
84	1.398E ^3	1.987E CC	6.571E-C3	6.871E-10	4.515E-12
85	1.414E 03	1.996E 00		6.975E-10	
86	1.430E ^3	2.0C3E 00		7.073E-10	
87	1.447E 03	2.0C9E 0C	5.863E-03	7.145E-10	4.189E-12
88	1.463E ?3	2.014E 00		7.202E-10	
89	1.479E 03	2.019E CC		7.256E-10	
90	1.496E 03	5.055E CG	5.159E-03	7.315E-10	3.774E-12
91	1.512E 03	2.047E 00		7.373E-10	
92	1.528E 03	2.C78E CC		7.434E-10	
93	1.545E 03	2.102E OC	4.930E-03	7.499E-10	3.697E-12
94	1.561E 03	2.105E 00		7.5608-10	
95	1.577E C3	2.1CCE CC		7.620E-10	
96	1.594E C3	2.098E OC	4.260E-03	7.685E-10	3.274E-12
9 7	1.610E 03	2.116E 00		7.746E-10	
98	1.626E 03	2.145E CC		7.805E-10	
99	1.643E 03	2.168E OC	3.9986-03	7.864E-10	3.144E-12
100	1.659E C3	2.188E CC		7.927E-10	
101	1.676E 03	2.205E CO		7.992E-10	
105	1.692E 03	2.215E OC	3.615E-03	8.051E-10	2.910E-12
103	1.708E 03	2.214E 00		8.106E-10	
104	1.725E 03	2.202E CC		8.159E-10	
105	1.741E 03	2.203E 00	3.020E-03	8.198E-10	2.476E-12
106	1.757E C3	2.222E CC		8.246E-10	
107	1.774E C3	2.262E CC		8.305E-10	
108	1.790E ^3	2.297E 00	2.870E-03	8.364E-10	2.400E-12
109	1.806E 03	2.331E CC		8.425E-10	
110	1.823E 03	2.365E OC		8.491E-10	
111	1.8395 03	2.380E 00	2.689E-03	8.545E-10	2.2985-12
112	1.855E C3	2.379E CC		8.595E-10	
113	1.872E 03	2.353E OC		8.641E-10	
114	1.888E C3	2.357E 0C	2.1866-03	8.687E-10	1.899E-12
115	1.904E 03	2.380E 00		8.734E-10	
116	1.921E 03	2.435E 00		8.786E-10	
117	1.9378 03	2.467E 00	2.067E-03	8.839E-10	1.827E-12
118	1.953E 03	2.481E CC		8.892E-10	
119	1.970E 03	2.460E 0C		8.951E-10	
120	1.986E 03	2.451E CO	1.657E-03	8.997E-10	1.491E-12

TARGET NO.	2	INCIDENT	ELECTRON	ENERGY	2.5	MEV
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CHANNE	L ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
121	2.002E 03	2.451E 0C		9.038E-10	
122	2.C19E 03	2.460E OC		9.090E-10	
123	2.035E 03	2.484E CO	1.401E-03	9.138E-10	1.281E-12
124	2.052E C3	2.518E 0C		9.184E-10	
125	2.068E 03	2.563E GC		9.230E-10	
126	2.084E 03	2.583E CC	1.2716-03	9.268E-10	1.178E+12
127	2.101E 03	2.581E CC		9.302E-10	
128	2.117E 03	2.536E CO		9.361E-10	
129	2.133E C3	2.534E 00	9.812E-04	9.416E-10	9.239E-13
130	2.150E 03	2.574E 00		9.469E-10	
131	2.166E 03	2.661E 00		9.515E-10	
132	2.182E C3	2.726E 00	9.6325-04	9.534E-10	9.184E-13
133	2.199E 03	2.761E 00		9.521E-10	
134	2.215E 03	2.772E 00		9.634E-10	
135	2.231E 03	2.762E OC	7.9C7E-04	9.728E-10	7.691E-13
136	2.248E 03	2.724E 00		9.774E-10	
137	2.264E C3	2.644E 00		9.819E-10	
138	2.280E 03	2.608E 0C	5.277E-04	2.916E-09	1.539E-12
139	2.297E 03	2.675E 0C		8.772E-09	
140	2.313E 03	2.785E 00		5.266E-09	
141	2.329E 03	2.881E CC	5+C28E-04	1.012E-09	5.087E-13
142	2.346E 03	2.910E 0C		1.018E-09	
143	2.362E C3	2.913E CC		1.025E-09	
144	2.378E n3	2.896E 00	3.625E-04	1.031E-09	3.738E-13
145	2.395E 03	2.8356 00		1.038E-09	
146	2.411E C3	2.725E 00		1.n49E-09	
147	2.428E C3	2.634E CO	1.92/6-04	1.061E-09	2.044E-13
148	2.444E 03	2.774E CC		1.068E-09	
149	2.460E 03	2.973E CC		1.074E-09	
150	2.477E 13	3.196E 00	1.6536-04	1.081E-09	1.786E-13
151	Z.493E 03	3.316E 00		1.087E-09	
152	2.505E C3	2.120E 00		0.0	
153	2.526E P3	G •G	0.0	n•u	0 • 0
154	2.542E 03	C•G		0.C	

CCSE= 1.524E-11 R-SQ.CM./ELECTRON

TAR	GET NO	. 3	INC	IDE	NT I	ELE	CTR	CN	ENE	RGY	2.5	i Me	EV							
CH.	NET P	ULSE	HE	IGH	r si	PEC	TRU	M M	ULT	IPL	IED	8Y	2	ΡI	SI	N(PH)	()	COS	5 (PH)	1).
		7.5			15	0			30	• 0			45	.0			60	•0		
6	9.5	00E-	02	1	.65	7E-	91	1	.96	06-0	01	1.	.62	6E	-01	8.	, 76	4E-	-02	
9	9.3	05E-	02	1	. 52	7E-	01	1	.76	16-0	01	1.	,43	6E	-01	8.	. 51	4E-	•n 2	
12	7.4	42E-	02	1	. 21	8E-	C1	1	. 38	5E-(01	1.	11	3E-	-01	6.	. 52	8E-	-02	
15	6.0	52E-	02	9	. 74	5E-	02	1	.08	16-	01	8.	72	2E-	-02	5.	05	1E-	-02	
18	4.9	10E-	02	7	. 84	26-	02	8	• 74	26-9	02	6.	90	6E-	-02	3.	. 89	7E-	-02	
21	4.1	56E-	C 2	6	.41	3E-	02	7	. 04	8E-4	02	- 5.	55	7E	-02	3.	, ng	5E-	•02	
24	3.4	8 2E -	C 2	5	. 28	9E-	C 2	- 5	•77	6E-(C 2	4.	,40	3E	-02	2.	.48	2E-	-C 2	
27	2.8	90E-	Ω	4	.44	5E-	02	4	. 81	3E-(02	3.	67	'OE·	-02	2.	.03	8E-	-0.2	
30	2.4	91E-	02	3	. 82	5E-	C 2	4.	.00	5E-(02	2.	97	'OE·	-02	1.	65	3E-	-02	
- 33	2.0	69E-	02	3	. 25:	3E-	02	3.	.44	26-4	02	2.	52	2E-	-02	1.	, 34	4E-	·n 2	
- 36	1.7	926-	02	2	• 74	5E-	02	2.	• 91	0E-4	02	2.	.09	6E-	-02	1.	.11	4E-	·C 2	
39	1.5	68E-	02	2	. 33	5E-	02	2	• 46	0E-(02	1.	.76	6E	-02	9.	.41	4E-	••3	
42	1.3	90E-	02	2	.054	4E-	C 2	2.	.05	8E-(02	1.	50	SE	-02	8.	.06	4E-	-03	
45	1.2	30E-	02	1	. 79	7E-	02	1	. 80	96-1	02	1.	28	OE	-02	6.	, 79	5E-	-03	
48	1.0	88E-	02	1	.613	2E-	02	1	• 59	6E-4	02	1.	.08	4E-	-02	5.	,72	9E-	-03	
- 51	5.4	15E-	03	1	. 34	5E-	02	1	. 34	3E-(02	9.	51	9E-	-03	4.	. 80	7E-	-03	
54	8.1	16E-	03	1	.23	7E-	02	1	•19	3E-(02	8.	25	9E	-03	4,	.14	7E-	.03	
57	7.6	20E-	03	1	.11	1 E -	02	1	• 06	3E-(02	7.	35	7E-	-03	3.	64	9E-	-03	
60	6.8	518-	03	5	. 51'	3E-	03	9	. 60	56-0	03	6.	. 32	5E	-03	3.	.06	2E-	-03	
63	5.9	516-	03	8	.50	7E-	03	8	. 25	0E-0	03	- 54	57	'5E-	-03	2.	67	8E-	-03	
66	5.4	02E-	03	8	031	LE-	C3	7	. 05	2E-(03	4.	91	0E-	-03	2.	. 35	5E-	•03	
69	4.8	38E-	03	7.	. 07	9E-	03	6	• 42	86-9	03	4.	26	9E-	-03	2.	,06	1E-	-03	
72	4.6	67E-	<u>03</u>	6	593	LE-	03	6	.10	1E-4	13	4.	.13	5E-	-03	1.	. 81	26-	-03	
75	4.1	87E-	<u>03</u>	5.	62	5E-	Ç 3	5.	• 48	6E-I	03	3.	53	7E	-03	1.	54	2E-	-03	
78	3.6	89E-	C 3	5.	15	l E -	C 3	4.	, 78	6E-(03	3.	.07	1E-	-03	1.	, 39	7E-	-03	
81	3.3	30E-	n 3	4	62	5E-	03	4.	.10	DE-	03	2.	,77	6E	-03	1.	. 16	CE-	•• 3	
84	3.0	38E-	03	4.	.10	<u>16-</u>	C 3	3	• 78	1E-0	03	2.	41	0E-	-03	1.	.04	9E-	-03	
87	2.8	30E-	n 3	4	.019	9E-	03	3.	• 26	2E-(03	2.	.05	9E-	-03	8.	61	5E-	-04	
90	2.4	82E-	63	3	.40	LE-	Q 3	2	. 89	2E-(03	1.	,93	15E	-03	8.	.16	1E-	-0.4	
93	2.2	56E-	<u>a 3</u>	3.	21	BE-	03	2	•46	6E-(03	1.	56	8E-	-03	6.	,94	2E-	-04	
96	2.0	55E-	63	2	. 814	HE-	03	2	. 36	2E-4	03	1.	47	7E-	-03	6.	.06	OE-	-04	
99	1.8	98E-	03	2	. 393	9E-	03	2	. 24	9E-(03	1.	28	6E-	-03	5.	, 32	7E-	-04	
102	1.6	55E-	63	2	1C:	2E-	C 3	1	. 69	9E-1	03	1.	.00	7E-	-03	4.	54	7E-	0.4	
105	1.5	96E-	63	1.	. 96	9E -	03	1	. 68	16-0	03	_ 9.	16	7E	-04	3.	98	OE-	-04	
108	1.4	57E-	C 3	1	.89	5E-	03	1.	. 36	4E-(03	7.	80	4E	-04	2.	. 80	3E-	-04	
111	1.2	28E-	03	1	65]E-	C 3	1	.08	36-(.3	6.	. 22	8E-	-04	2.	.75	OE-	-04	
114	1.1	48E-	03	1.	.420	7E-	03	1.	• C1	4E-(33	6.	66	6E.	-04	1.	.95	5E-	-04	
117	1.0	30E-	C3	1	.33	7E-	03	- 9	.37	OE-O	24	4.	47	2E.	-04	1.	. 58	7E-	-04	
120	8.7	2 2 E -	04	1	19	SE-	03	7.	.67	ZE-	04	3.	80	3E-	-04	1.	57	ne-	-04	
123	8.1	39E-	<u>04</u>	5.	, 759	SE-	C 4	6	48	ZE-9	34	2.	93	ZE	-04	1.	.11	3E-	-04	
126	7.1	56E-	Г4	8	<u>, n1</u>	5	04	6.	.51	36-0	14	_ Z •	62	OE	-04	8.	. 39	3E-	-05	
129	5.7	43E-	C 4		. 362	26-	04	4.	• 71	3E-(14	2.	30	36	-04	6.	. 75	SE-	-05	
137	5.0	83E-	114 0 4	5.	. 78	5 C -	U4 07	Z	. 93	5E-(24) D.4	1.	42	'8E	-04	5.	.24	8E-	05	
155	4.3	426-	04	2			(*4) A Z	Z	. 96	12-(34 84	1.	53	55-	-04	3.	14	2E-	-U 3 0 5	
1.58	5.1	5VE-	174) 07		050		04	2	• U >	82-4	1799 1746		07 00	46.	-05	2.	598 20	12-	-U.5	
141	2.8	77E='	•••	2	370		14 0/	1	• 78	12-1	244 D.A	0.	05	ZE	-07		500	764	-05	
144	2.3	DUE-	114	Z	2904	15-1	U 41 0 4	1.	47	02-(34) 57	2.	27	96.	-05	4.	, 55	7E-	-06	
14/	1 • 7	2 SE#1	0.4	1	40 07/		114 0 E	L.	506 E =	16-(74) 56	1.	80	35-	-05	1.	.04	25-	C 11	
177	1.1	442-0	U144 0 m	. d.	4 7 9		1'D 0E	4.	57	52-(55-	J) 2	1.	22	35.	-115	8.	,93	4E-	08	
122	0	ッリヒー	17	- 4	00.		C U	L (12)	フピーイ	ゴフ	•••	- 21	15.	-110	0.	. U4	ot-	o	

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CHANNEL	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
۱	4.074E 1	0.C		4.342E-11	
2	5.709E 01	r.n		3.475E-11	
3	7.343E 01	C • C		3.458E-11	
4	8.978E C1	r.a		3.814E-11	
5	1.061E 02	2.47CE-01		4.623E-11	
6	1.2256 02	9.055E-C1	1.669E-01	5.526E-11	9.224E-12
7	1.388E 02	9.889E-C1		6.482E-11	
8	1.552E C2	9.770E-01		7.572E-11	
9	1.715E C2	9.860E-01	1.663E-01	8.682E-11	1.444E-11
10	1.879E 02	9.8726-01		9.762E-11	
11	2.042E 02	9.894E-C1		1.039E-10	
12	2.206E 02	1.001E 00	1.321E-01	1.194E-10	1.577E-11
13	2.369E C2	1.011E 00		1.308E-10	
14	2.533E 02	1.023E 00		1.416E-10	
15	2.696E 02	1.042E 00	1.081E-01	1.528E-10	1.651E-11
16	2.860E 02	1.965E 00		1.626E-10	
17	3.023E 02	1.089E 00		1.732E-10	
18	3.187E G2	1.107E 00	9.147E-02	1.822E-10	1.667E-11
19	3.350E C2	1.128E 90		1.9256-10	
20	3.513E 02	1.15CE CC		2.028E-10	
21	3.677E 02	1.166E 00	7.791E-02	2.118E-10	1.650E-11
22	3.840E 02	1.182E 00		2.210E-10	
23	4.004E 02	1.200E CC		2.303E-10	
24	4.167E 02	1.212E 00	6.569E-02	2.404E-10	1.579E-11
25	4.331E 02	1.227E 00		2.492E-10	
26	4.494E C2	1.246E CO		2.577E-10	
27	4.658E 02	1.260E 00	5.689E-02	2.655E-10	1.510E-11
28	4.821E 02	1.275E 00		2.741E-10	
29	4.985E 02	1.292E 00		2.822E-10	
30	5.148E 02	1.305E CC	4.886E-02	2.913E-10	1.423E-11
31	5.312E 02	1.318E OC		3.000E-10	
32	5.475E C2	1.335E 0C		3.078E-10	
33	5.639E C2	1.348E 00	4.267E-02	3.162E-10	1.349E-11
34	5.802E 02	1.360E CO		3.245E-10	
35	5.966E 02	1.372E CC		3.324E-10	
36	6.129E C2	1.383E QC	3.681E-02	3.412E-10	1.256E-11
37	6.293E C2	1.395E 00		3.500E-10	
38	6.456E C2	1.41CE CC		3.5796-10	
39	6.620E 02	1.421E CO	3.206E-02	3.657E-10	1.173E-11
40	6.783E 02	1.431E 00		3.736E-10	

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CHANNEL	ENERG	Y	CORR.FA	ACT.	ENGY.SPEC. Photons/mev -Electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-69 CM./ Mev-Elec.
41	6.947E	02	1.443E	00		3.814E-10	
42	7.110E	02	1.453E	CC	2.806E-02	3.906E-10	1.096E-11
43	7.273E	02	1.462E	00		4.000E-10	
44	7.437E	02	1.472E	00		4.072E-10	
45	7.600E	02	1.484E	00	2.482E-02	4.1528-10	1.031E-11
46	7.764E	02	1.497E	00		4.236E-10	
47	7.927E	02	1.511E	00		4.308E-10	
4 e	8.091E	02	1.523E	00	2.218E-02	4.391E-10	9.740E-12
49	8.254E	C2	1.533E	00		4.482E-10	
50	8.418E	02	1.536E	00		4.554E-10	
51	8.581E	02	1.544E	00	1.9156-02	4.629E-10	8.863E-12
52	8.745E	02	1.557E	00		4.707E-10	
53	8.908E	02	1.572E	00		4.780E-10	
54	9.072E	02	1.587E	00	1.738E-02	4.857E-10	8.442E-12
55	9.235E	C2	1.604E	00		4.942E-10	
56	9.399E	02	1.621E	00		5.015E-10	
57	9.562E	02	1.635E	00	1.603E-02	5.090E-10	8.157E-12
58	9.726E	02	1.646E	00		5.168E-10	
59	9.889E	02	1.654E	00		5.241E-10	
60	1.005E	03	1.662E	00	1.423E-02	5.313E-10	7.560E-12
61	1.022E	03	1.674E	00		5.385E-10	
62	1.038E	03	1.683E	00		5.457E-10	
63	1.054E	C3	1.693E	00	1.268E-02	5.529E-10	7.012E-12
64	1.071E	03	1.709E	00		5.601E-10	
65	1.087E	03	1.72CE	00		5.668E-10	
66	1.103E	03	1.730E	00	1.1516-02	5.735E-10	6.601E-12
67	1.120E	03	1.740E	00		5.807E-10	
68	1.136E	03	1.745E	00		5.874E-10	
69	1.152E	03	1.751E	00	1.035E-02	5.941E-10	6.147E-12
70	1.169E	03	1.783E	00		6.012E-10	
71	1.185E	03	1.818E	90		6.080E-10	
72	1.201E	03	1.852E	00	1.032E-02	6.145E-10	6.340E-12
73	1.218E	03	1.851E	00		6.204E-10	
74	1.234E	03	1.851E	00		6.267E-10	
75	1.250E	03	1.85CE	00	8.991E-03	6.332E-10	5.693E-12
76	1.267E	03	1.866F	00		6.3916-10	
77	1.283F	03	1.88CF	00		6.449E-10	
78	1.300F	03	1.890E	00	8.134E-03	6.508E-10	5.294E-12
79	1.316E	03	1.504E	00		6.567E-10	
80	1.332E	03	1.914E	00		6.629E-10	

CHANNEL	. ENERGY Kev		CORR.F	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
81	1.349E	3	1.919E	00	7.2586-03	6.694E-10	4.858E-12
52	1.303E (1.939E	00		6.754E-10	
94	1. 701E (1.7785	99	6 7015-07	6.813E-10	
05	1 4145 (י <u>ס</u> י.	1.9/4E		0. ///E=//3	6.8/1E-10	4.6752-12
86	1 4305 0		1. 70/C	00		7 0735-10	
87	1.4475 0	12	1 . 77CE	ÔC.	6 0445-03	7 1465-10	4 3345-13
88	1.4636 0	, , , , , , , , , , , , , , , , , , ,	2.0236	00	0.0000-05	7.1456-10	4.3745-12
89	1.479E (2.0405	00		7 2545-10	
än	1.496E (2.0515	00	5.5415-03	7 2155-10	4 0525-12
91	1.5126 0	2	2.055E	0.0	J.J.416-03	7.3736-10	4.0336-15
92	1.528E C	2 2	2.0555	00		7.4345-10	
ΓD	1.545E C	14	2.056E	00	4.830F-03	7 4095-10	2 6775-17
94	1.561E 0		2.0775	00	4.0516-05	7 5605-10	3.0225-12
95	1.577E 0		2.107F	00		7.6205-10	
96	1.594F C	· .	2.133E	00	4.606E-03	7.6855-10	3 5305-12
97	1.610F 0		2.157F	00		7.7466-10	3.5546-12
98	1.626F 0		179F	00		7.8056-10	
99	1.643E 0	á i	190F	00	4.247E-03	7.864E-10	3.3405-12
100	1.659E C	3 2	-176F	00		7.9276-10	J. J. H. L-12
101	1.676E C	i i	-145E	0.0		7.992E-10	
102	1.692E	3 2	-137E	00	3.369E-03	8-0516-10	2.712E-12
103	1.708E 0	3 2	.165E	00		B-106E-10	
104	1.725E C	3 2	2.231E	90		8.159E-10	
105	1.741E C	3 2	.274E	0.0	3.386E-03	8.198E-10	2.7765-12
106	1.757E 0	3 2	-298E	0.0		8.246E-10	
107	1.774E C	3 2	.300E	0.0		8.305E-10	
108	1.790E 0	3 2	.299E	0.0	2.9436-03	8.364E-10	2.461E-12
109	1.806E C	3 2	.293E	CC		8-425E-10	
110	1.823E C	3 2	.281E	00		8.491E-10	
111	1.839E 0	3 2	.29CE	0.0	2.454E-03	8.545E-10	2.097E-12
112	1.855E C	3 2	.315E	0 C		8.595E-10	
113	1.872E 0	3 2	.369E	00		8.641E-10	
114	1.888E C	3 2	.405E	0.0	2.373E-03	8.687E-10	2.061E-12
115	1.904E C	3 2	.428E	00		8.734E-10	
116	1.921E 0	3 2	.429E	00		8.786E-10	
117	1.937E 0	3 2	•439E	00	2.067E-03	8.839E-10	1.827E-12
118	1.953E C	3 2	•453E	00	•	8.8926-10	
119	1.970E C	32	.472E	0.0		8.951E-10	
120	1.986E C	3 2	•483E	aú	1.814E-03	8.9976-10	1.632E-12

CHANNEL	. ENERGY Kev	CORR•F	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-50 CM./ MEV-ELEC.
121	2.002E (3 2.487E	00		9.038E-10	
122	2.0198 0	13 2.473E	00		9.090E-10	
123	2.035E (2.485E	00	1.498E-03	9.138E-10	1.369E-12
124	2.C52E (03 2.517E	00		9.184E-10	
125	2.068E (2.577E	C C		9.230E-10	
126	2.084E (2.62CE	00	1.413E-03	9.268E-10	1.310E-12
127	2.101E	2.65CE	0.0		9.302E-10	
128	2.117E (73 2.661Ę	00		9.361E-10	
129	2.133E (2.652E	00	1.173E-03	9.416E-10	1.105E-12
130	2.150E (2.625E	00		9.469E-10	
131	2.166E ()3 2.549E	00		9.515E-10	
132	2.182E (13 2.528E	00	8.074E-04	9.534E-10	7.698E-13
133	2.199E (13 2.577E	00		9.521E-10	
134	2.215E C	3 2.684E	9 C		9.634E-10	
135	2.231E ()3 2.75CE	00	7.7966-04	9.728E-10	7.584E-13
136	2.248E (13 2.741E	00		9.774E-10	
137	2.264E (2.662E	00		9.819E-10	
138	2.280E ('3 2.615E	00	5.300E-04	2.916E-09	1.545E-12
139	2.297E (2.656E	00		8.772E-09	
140	2.313E (3 2.727E	00		5.266E-09	
141	2.3298	2.806E	00	4.857E-04	1.012E-09	4.914E-13
142	2.346E ()3 2.889E	00		1.018E-09	
143	2.362E (3 2.588E	00		1.025E-09	
144	2.378E (3.061E	00	4.406E-04	1.031E-09	4.545E-13
145	2.395E C	3.015E	00		1.038E-09	
146	2.411E C	3 2.930E	0.0		1.049E-09	
147	2.428E 0	3 2.842E	00	2.517E-04	1.061E-09	2.671E-13
148	2.444E C	3 2.842E	00		1.0686-09	
149	2.460E 0	3 2.824E	00		1.074E-09	
150	2.477E 0	3 2.813E	00	1.367E-04	1.081E-09	1.477E-13
151	2.493E	3 2.995E	00		1.087E-09	
152	2.509E 0	1.935E	00		0.0	
153	2.526E C	0.0 Er	-	0.0	0.0	0.0
154	2.542E (0.0			0.0	

COSE= 1.595E-11 R-SQ.CM./ELECTRON

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TAR	GET ND. 4 INC	IDENT ELECTRO	IN ENERGY 2.	5 MEV	
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI).
	7.5	15.0	30.0	45.0	60.0
6	5.875E-02	1.632E-01	1.875E-01	1.526E-01	8.551E-02
9	9.661E-02	1.493E-01	1.638E-01	1.363E-01	8.267E-02
12	7.8986-02	1.2076-01	1.296E-01	1.058E-01	6.395E-N2
15	6.397E-02	9.630E-02	1.025E-01	8.291E-02	4.963E-02
18	5.2446-02	7.696E-02	8.276E-02	6.599E-02	3.8296-02
21	4.367E-02	6.470E-02	6.6926-02	5.275E-02	3.065E-02
24	3.656E-02	5.355E-C2	5.509E-02	4.290E-02	2.4136-02
27	3.111E-02	4.494E-C2	4.558E-02	3.475E-02	1.961E-02
30	2.594E-02	3.767E-02	3.813E-02	2.856E-02	1.603E-02
33	2.2176-02	3.254E-02	3.190E-02	2.401E-02	1.3028-02
36	1.950E-02	2.782E-02	2.718E-02	2.041E-02	1.090E-02
39	1.666E-02	2.363E-02	2.314E-02	1.692E-02	9.0856-03
42	1.4526-02	2.105E-02	2.011E-02	1.471E-02	7.845E-03
45	1.265E-02	1.791E-02	1.744E-02	1.252E-02	6.498E-03
48	1.131E-02	1.588E-C2	1.476E-02	1.053E-02	5.466E-03
51	9.9208-03	1.427E-02	1.316E-02	9.244E-03	4.669E-03
54	9.158E-03	1.2258-02	1.126E-02	7.749E-03	4.1396-03
57	7.821E-03	1.102E-02	1.0C4E-02	6.960E-03	3.506E-03
60	7.0886-03	1.000E-02	8.878E-03	6.033E-03	2.946E-03
63	6.593E-03	8.804E-03	7.714E-03	5.218E-03	2.669E-03
66	5.923E-03	7.86CE-03	6.715E-03	4.617E-03	2.371E-03
69	5.3916-03	7.248E-03	6.214E-03	4.051E-03	2.005E-03
72	4.867E-03	6.285E-C3	5.486E-03	3.668E-03	1.755E-03
75	4.387E-03	5.853E-C3	4.703E-03	3.318E-03	1.536E-03
78	3.934E-03	5.240E-03	4.275E-03	2.946E-03	1.349E-03
81	3.648E-03	4.835E-03	3.8336-03	2.456E-03	1.226E-03
84	3.336E-03	4.279E-03	3.351E-03	2.191E-03	9.619E-04
87	3.104E-03	3.875E-03	3.136E-03	1.955E-03	8-841E-04
90	2.690E-03	3.508E-03	2.784E-03	1.654E-03	7.758E-04
93	2.490E-03	3.106E-03	2.4C6E-03	1.388E-03	6.836E-04
96	2.314E-03	2.818E-03	2.368E-03	1.312E-03	5.514E-04
99	2.196F-03	2.691E-03	2.053E-03	1.162E-03	4-6556-04
102	1.933E-03	2.420F-03	1.8105-03	1.004F-03	4-308E-04
105	1.836F-03	2.056E-C3	1.572E-03	9.726E-04	3-388E-04
108	1.539E-C3	1.907E-03	1.433E-03	7.795E-04	3.484E-04
111	1.333F-03	1.581E-03	1.048E-03	6.761E-04	2.380F-04
114	1.269E-03	1.3478-03	1.133E-03	5-873E-04	2-105E-04
117	1.050E-03	1.321E-C3	8.401E-04	4.492F-04	1-844E-04
120	1.058E-03	1.133F-03	8.049E-04	4-326E-04	1.417E-04
123	9.018E-04	1.001E-03	6.117E-04	3-036F-04	1.0776-04
126	7.652E-04	9.354F-C4	5.501E-04	2.906E-04	8.999F-05
129	6-280E-04	6.926E-04	4.443E-04	2.364F-04	9.311E-05
132	6-160E-04	6.807E-04	4.063E-04	1.383E-04	4.439F-05
135	5.166F-04	5.161F-04	2.479E-04	1.167F-04	4.707E-05
138	3.606F-04	4.149F-04	2.693F-04	8.441F-05	1.7836-05
141	3.050F-04	2.788F-04	1.755F+04	6.300E-05	6-060E-06
144	2.574F-04	2.213E-04	7.8915-05	3.5976-05	1.324F-05
147	1.9765-04	1.7616-04	7.519F+05	1.1936-05	7.443F=04
150	1.1716-04	1.020F-04	7.846F-05	2.1065-05	3.0306-04
153	5.366E-05	8.805E-05	1.5085-05	R.948E-04	3.0305-04

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CHANNEL	. ENERGY Kev		CORR	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	4.074E	01	0.0			4.342E-11	
2	5.709E	<u>01</u>	C.C			3.475E-11	
3	7.343E	01	0.0			3.458E-11	
4	8.578E	C 1	0.0			3.814E-11	
5	1.061E	n 2	2.470E-	-01		4.623E-11	
6	1.225E	<u>^2</u>	9.056E-	-01	1.610E-01	5.526E-11	8.894E-12
7	1.388E	02	9.887E-	-C1		6.482E-11	
8	1.552E	02	9.764E-	-01		7.572E-11	
9	1.715E	02	9.847E-	-01	1.591E-01	8.682E-11	1.382E-11
10	1.879E	02	9.862E-	-01		9.762E-11	
11	2.042E	02	9.890E-	-01		1.039E-10	
12	2.206E	02	1.0C1E	00	1.275E-01	1.1946-10	1.523E-11
13	2.369E (02	1.011E	00		1.308E-10	
14	2.533E	02	1.023E	00		1.416E-10	
15	2.696E (02	1.042E	00	1.047E-01	1.528E-10	1.600E-11
16	2.860E (0.2	1.065E	00		1.626E-10	
17	3.C23E (02	1.088E	00		1.732E-10	
19	3.187E	02	1.106E	<u>ů</u> 0	8.867E-02	1.8228-10	1.616E-11
19	3.350E	02	1.127E	00		1.9258-10	
20	3.513E (n 2	1.150E	00		2.028E-10	
21	3.677E (02	1.166E	00	7.590E-02	2.1185-10	1.608E-11
22	3.840E (02	1.183E	ac		2.210E-10	
23	4.004E (2	1.201E	<u>0</u> C	_	2.303E-10	
24	4.167E (22	1.2136	00	6.451E-02	2.404E-10	1.551E-11
25	4.331E (2	1.228E	00		2.492E-10	
26	4.494E	2.5	1.246E	00		2.577E-10	
27	4.658E (12	1.259E	00	5.518E-02	2.6556-10	1.465E-11
28	4.821E (12	1.274E	CO		2.741E-10	
29	4.985E (12	1.292E	00		2.827E-10	
30	5.148E (21	1.304E	66	4.743E-02	2.913E-10	1.3826-11
31	5.312E C	20	1.317E	00		3.000E-10	
32	5.475E (12	1.332E	00		3.0786-10	
33	5.639E (2	1.344E	00	4.110E-02	3.162E-10	1.300E-11
34	5.802E (12	1.357E	aa		3.245E-10	
35	5.966E	2	1.373E	00		3.324E-10	
36	6.129E (12	1.386E	70	3.610E-02	3.412E-10	1.232E-11
37	6.793E	12	1.397E	<u>û</u> C		3.500E-10	
38	6.456E	2	1.407E	ú C		3.579E-10	
39	6.620E	12	1.418E	7 0	3.1126-02	3.657E-10	1.138E-11
40	6.783E C	<u>2</u>	1.429E	C C		3.736E-10	

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CHANNEL ENERGY KEV	Y CORR.	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-5Q CM./ MEV-ELEC.
41 6.947E	02 1.4476	00		3.814E-10	
42 7.J10E	02 1.460E	CO 2	2.7976-02	3.906E-10	1.092E-11
43 7.273E	02 1.469E	0.0		4.000E-10	· · · ·
44 7.437E	02 1.475E	00		4.072E-10	
45 7.600E	02 1.483E	00 2	2.4296-02	4.152E-10	1.008E-11
46 7.764E	02 1.494E	0.0		4.236E-10	
47 7.927E	02 1.502E	0 C		4.308E-10	
48 8.091E	02 1.513E	00 2	2.123E-02	4.391E-10	9.323E-12
49 8.254E	02 1.528E	00		4.482E-10	
50 8.418E	02 1.545E	30		4.554E-10	
51 8.581E	C2 1.559E	90 1	L.931E-02	4.629E-10	8.939E-12
52 8.745E	02 1.569E	00		4.707E-10	
53 8.908E	C2 1.575E	00		4.780E-10	
54 9.C72E	∩2 1.585E	00 1	L.693E-02	4.857E-10	8.225E-12
55 9.235E	02 1.599E	0 0		4.9428-10	
56 9.399E	02 1.613E	00		5.015E-10	
57 9.562E	02 1.627E	00 1	.539E-02	5.090E-10	7.832E-12
58 9.726E	02 1.641E	00		5.168E-10	
59 5.889E	02 1.651E	0.0		5.241E-10	
60 1.005E	03 1.662E	00 1	.385E-02	5.313E-10	7.357E-12
61 1.022E	03 1.675E	00		5.3856-10	
62 1.938E	03 1.686E	00		5.457E-10	
63 1.054E	03 1.697E	00 1	.246E-02	5.529E-10	6.891E-12
64 1.°71E	03 1.710E	00		5.601E-10	
65 1.C87E	03 1.718E	CO		5.668E-10	
66 1.103E	03 1.727E	00 1	.122E-02	5.735E-10	6.432E-12
67 1.120E	03 1.745E	00		5.807E-10	
68 1.136E	03 1.761E	00		5.874E-10	
69 1.152E	C3 1.776E	00 1	.040E-02	5.941E-10	6.175E-12
7C 1.169E	03 1.789E	00		6.012E-10	
71 1.185E	C3 1.799E	00	(6.080E-10	
72 1.201E	03 1.808E	00 9	.373E-03	6.145E-10	5.760E-12
73 1.218E	03 1.822E	CC		6.204E-10	
74 1.234E	03 1.835E	C ()		6.267E-10	
75 1.250E	03 1.8468	00 8	-541E-03	6.332E-10	5.408E-12
76 1.267E	03 1.862E	00		6.391E-10	
77 1.283E	03 1.876E	00		6.449E-10	
78 1.300E	03 1.888E	00 7	.823E-03	6.508E-10	5.091E-12
79 1.316E	03 1.905E	00		6.567E-10	
80 1.332E	03 1.920E	00		6.629E-10	

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CHANNEL	. ENERG Kev	Y	CORR	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R+SQ CM./ MEV-ELEC.
81	1.349E	•3	1.932E	00	7.142E-03	6.694E-10	4.781E-12
82	1.365E	03	1.938E	00		6.754E-10	
83	1.381E	03	1.943E	00		6.813E-10	
84	1.398E	03	1.946E	00	6.2965-03	6.871E-10	4.326E-12
85	1.414E	03	1.970E	00		6.975E-10	
86	1.430E	03	1.9976	CC		7.073E-10	
87	1.447E	03	2.020E	CC	5.987E-03	7.145E-10	4.278E-12
88	1.463E	03	2.029E	00		7.202E-10	
89	1.479E	63	2.C34E	0.0		7.256E-10	
90	1.496E	03	2.036E	00	5.303E-03	7.315E-10	3.879E-12
91	1.512E	03	2.038E	CC		7.373E-10	
92	1.528E	03	2.041E	CC		7.434E-10	
93	1.545E	03	2.043E	0.0	4.649E-03	7.499E-10	3.486E-12
94	1.561E	03	2.066E	00		7.56°E-10	
95	1.577E	03	2.098E	CC		7.62°E-10	
96	1.594E	03	2.123E	OC .	4.495E-03	7.685E-10	3.454E-12
97	1.610E	03	2.141E	00		7.746E-10	
98	1.626E	(3	2.154E	CC		7.805E-10	
99	1.643E	63	2.165E	O C	4.132E-03	7.864E-10	3.249E-12
100	1.659E	03	2.176E	00		7.927E-10	
101	1.676E	03	2.186E	CC		7.992E-10	
102	1.692E	03	2.199E	0 Ç	3.7198-03	8.051E-10	2.994E-12
103	1.708E	03	2.214E	00		8.106E-10	
104	1.725E	03	2.232E	CC		8.159E-10	
105	1.741E	03	2.253E	CO	3.3836-03	8.198E-10	2.773E-12
106	1.757E	C 3	2.279E	00		8.246E-10	
107	1.774E	63	2.311E	00		8.305E-10	
108	1.790E	03	2.322E	00	3.101E-03	8.364E-10	2.5946-12
104	1.8C6E	03	2.312E	00		8.425E-10	
110	1.823E	C3	2.272E	CC		8.491E-10	
111	1.839E	03	2.268E	00	2•419E-03	8.545E-10	2.067E-12
112	1.855E	C3	2.293E	00		8.595E-10	
113	1.872E	03	2.366E	00		8.641E-10	
114	1.888E	03	2.406E	CC	2.4056-03	8.687E-10	2.089E-12
115	1.904E	63	2.421E	00		8.734E-10	
116	1.921E	03	2.394E	00		8.786E-10	
117	1.937E	03	Z.399E	C.	1.989E-03	8.839E-10	1.758E-12
118	1.953E	03	Z.426E	00		8.892E-10	
119	1.970E	a 3	Z.492E	00		8.951E-10	
120	1.986E	C3	2.522F	OC	1.927E-03	8.997E-10	1.734E-12

CHÂNNE	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
121	2.002E 03	2.526E 00		9.038E-10	
122	2.019E 03	2.480E CC		9.090E-10	
123	2.035E C3	2.475E CC	1.510E-03	9.138E-10	1.3806-12
124	2.052E 03	2.500E 20		9.184E-10	
125	2.068E 03	2.565E 0C		9.230E-10	
126	2.084E 03	2.608E 00	1.443E-03	9.268E-10	1.337E-12
127	2.101E 03	2.624E CC		9.302E-10	
128	2.117E 03	2.599E 00		9.361E-10	
179	2.133E 03	2.599E CO	1.154E-03	9.416E-10	1.087E-12
130	2.150E 03	2.624E 00		9.469E-10	
131	2.166E 03	2.674E 00		9.515E-10	
132	2.182E 03	2.7C3E CO	1.0246-03	9.534E-10	9.764E-13
133	2.199E 03	5.103E 6C		9.521E-10	
134	2.215E 03	2.6668 00		9.634E-10	
115	2.231E 03	2.6558 00	7.562E-04	9.728E-10	7.356E-13
156	2.2485 03	2.689E CO		9.774E-10	
137	2.764E 03	2.7498 00		9.819E-10	
138	2.280E 03	2.791E 00	6.480E-04	2.916E-09	1.890E-12
139	2.2975 03	2.792E 00		8.772E-09	
140	2.3135 03	2.7501 00		5.266E-09	
141	2.329E P3	S.109E 0C	4.388E-04	1.012E-09	4.440E-13
142	2.3462 03	2.7008 00		1.018E-09	
145	2.362E C3	2.670E 90		1.025E-09	
144	2.378E C3	2.654E CQ	2.957E-04	1.031E-09	3.050E-13
145	2.3955 (3	2.720E 00		1.038E-09	
140	2.411E 03	2.793E 00		1.049E+09	
147	2.428E C3	2.882E Cr	2.436E+04	1.061E-09	2.585E-13
148	2.444E 03	3.032E 00		1.068E-09	
149	2.4601 03	3.239E 00		1.074E-09	
150	2.477E 03	3.468E 7C	Z.206E-04	1.081E-09	2.384E-13
151	2.493E (13	3.599E 00		1.087E-09	
152	2.505E 03	2.301E 00		0.0	
153	2.526E 73	r.n	0.0	0.0	0.0
154	2.542E 03	r.o		0.0	

DOSE= 1.557E-11 R-SQ.CM./ELECTRON

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TAR	GET NO. 5-1 I	NCIDENT ELECT	RON ENERGY	2.5 MEV		
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI	
	7.5	15.0	30.0	45.0	60.0	75.0
€	5.177E-02	1.463E-01	1.801E-01	1.550E-01	9.526E-02	3.240E-02
9	5.363E-C2	1.511E-01	1.733E-01	1.448E-01	8.759E-02	3.069E-02
12	7.5906-02	1.220E-C1	1.3826-01	1.1286-01	6.734E-02	2.360E-02
15	6.067E-02	5.839E-02	1.092E-01	8.842E-02	5.164E-02	1.798E-02
18	4.987E-02	7.842E-02	8.66QE-02	6.884E-02	3.9906-02	1.407E-C2
21	4.191E-02	6.536E-C2	6.965E-02	5.636E-02	3.174E-02	1.097E-02
24	3.505E-02	5.437E-02	5.773E-02	4.501E-02	2.566E-02	8.802E-03
27	2.924E-02	4.477E-02	4.825E-02	3.653E-02	2.057E-02	6.895E-C3
30	2.502E-C2	3.740E-02	4.018E-02	3.001E-02	1.698E-02	5.589E-03
33	2.126E-02	3.272E-02	3.4226-02	2.499E-02	1.382E-02	4.630E-03
36	1.805E-02	2.756E-C2	2.8206-02	2.101E-02	1.142E-02	3.7546-03
39	1.593E-02	2.334E-C2	2.4146-02	1.774E-02	9 .8 27E-03	3 . 192E-03
42	1.3706-02	2.077E-C2	2.1036-02	1.539E-02	8.254E-03	2.666E-03
45	1.2498-02	1.813E-02	1.802E-02	1.305E-02	6.789E-03	2.2346-03
48	1.075E-02	1.573E-02	1.568E-02	1.112E-02	5.994E-03	1.8796-03
51	9.628E-03	1.353E-C2	1.310E-02	9.7856-03	4.988E~03	1.672E-03
54	8.489E-03	1.185E-02	1.216E-02	8.284E-03	4.331E-03	1.352E-03
57	7.592E-03	1.086E-02	1.069E-02	7.331E-03	3.717E-03	1.228E-03
69	6.689E+03	5.969E-03	9.522E-03	6.455E-03	3.217E-03	1.060E-03
63	5.8888-03	8.5056-03	8.409E-03	5.539E-03	2.809E-03	8.850E-04
66	5.5496-03	7。793E-03	7.024E-03	4.8556-03	2.6956-03	7.602E-04
69	5.178E-C3	7.172E-03	6.597E-03	4.370E-03	2.051E-03	6.925E-C4
72	4.473E-03	6.26CE-C3	5.7C7E-03	3.871E-03	1.895E-03	5.6826-04
75	4.196E-03	5.856E-03	5.0736-03	3.362E-03	1.557E-03	5.036E-04
78	3.728E-03	5.077E-03	4.580E-C3	2.8906-03	1.457E-03	4.562E-04
81	3.580E-03	4.6456-03	4.3238-03	2.735E-03	1.336E-03	3.591E-04
84	2.930E-03	4.205E-03	3.816E-03	2.4826-03	1.106E-03	3.3396-04
87	2.753E-C3	3.879E-03	3.4916-03	1.916E-03	1.043E-03	2.898E-04
90	2.580E-03	3.4138-03	3.026E-03	1.676E-03	7.425E-04	2.615E-04
93	2.299E-03	3.011E+03	2.634E-03	1.614E-03	6.613E-04	2.091E-04
96	2.024E-03	2.753E-C3	2.3476-03	1.367E-03	6.266E-04	1.9256-04
99	1.927E-03	2.674E-03	2.0876-03	1.2166-03	5.0248-04	1.606E-04
105	1.818E-C3	2.186E-C3	1.9746-03	1.138E-03	4.351E-04	1.3826-04
105	1.471E-03	1.8806-03	1.569E-03	9.427E-04	4.347E-04	1.0246-04
108	1.401E-03	1.773E-03	1.357E-03	6.725E-04	3.175E-04	5.144E-05
111	1.193E-03	1.524E-03	1.175E-03	7.3936-04	2.777E-04	8.626E-05
114	1.210E-03	1.417E-03	1.025E-03	5.002E-04	2.266E-04	4.9598-05
117	9.7928-04	1.2376-03	8.0996-04	5.157E-04	1.726E-04	4.198E-C5
120	9.058E-04	1.C81E-C3	8.C84E-04	3.532E-04	1.460E-04	4.279E-05
123	7.8228-04	8.5136-04	6.285E-04	2.772E-04	1.149E-04	3.334E-05
126	6.067E-04	7.6838-04	4.7306-04	2.7096-04	8.3116-05	2.236E-05
129	5.784E-04	6.660E-04	3.356E- <u>0</u> 4	2.066E-04	7.583E-05	1.695E-05
132	5.027E-04	6.4218-04	3.247E-04	1.792E-04	5.121E-05	9.708E-06
135	3.430E-04	4.027E-04	2.379E-04	1.243E-04	4.039E-05	9.198E-06
138	3.183E-C4	3.676E-04	2.015E-04	7.926E-05	2.779E-05	5.859E-C6
141	2.871E-C4	2.683E-C4	1.906E-04	6.222E-05	1.115E-05	4.3586-06
144	2.260E-04	2.0998-04	8.801E-05	2.754E-05	1.244E~05	2.886E-06
147	1.314E-04	1.547E-04	6.960E-05	2.2598-05	5.574E-06	1.953E-C6
150	9.954E-05	9.361E-05	2.912E-05	5.399E-06	2.746E-06	3,877E-06
153	6.110E-C5	3.369E-05	2.5486-05	1-486E-07	2.746F-06	5.099F-07

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CHANNEL	. ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
1	4.C74E C1	c.0		4.342E-11	
2	5.709E 11	C.C		3.475E-11	
3	7.343E 01	C°ů		3.458E-11	
4	8.978E C1	0.0		3.814E-11	
5	1.061E 02	2.456E-C1		4.623E-11	
6	1.725E C2	9.004E-01	1.492E-01	5.526E-11	8.245E-12
7	1.388E 02	9.851E-Cl		6.482E-11	
8	1.5528 02	9.756E-Cl		7.572E-11	
9	1.715E C2	9.874E-01	1.574E-01	8.682E-11	1.367E-11
10	1.8796 02	9.8816-01		9.762E-11	
11	2.042E 02	9.895E-01		1.039E-10	
12	2.206E 02	1.001E 00	1.261E-01	1.1946-10	1.506E-11
13	2.369E 02	1.012E 00		1.308E-10	
14	2.5338 02	1.024E 00		1.416E-10	
15	2.696E 02	1.043E 00	1.034E-01	1.528E-10	1.5806-11
16	2.860E ^2	1.065E 0C		1.626E-10	
17	3.023E 02	1.C88E CC		1.732E-10	
10	3.187E C2	1.105E 00	8.642E-02	1.822E-10	1.574E-11
19	3.350E 02	1.127E OC		1.925E-10	
ΖŪ	3.513E 02	1.15CE 00		2.028E-10	
21	3.677E C2	1.166E 00	7.4226-02	2.118E-10	1.5728-11
22	3.840E 02	1.183E 00		2.210E-10	
23	4.004E C2	1.202E CC		2.303E-10	
24	4.167E 02	1.215E 0C	6.326E-02	2.404E-10	1.5216-11
25	4.331E 02	1.2255 00		2.492E-10	
26	4.4946 02	1.246E 00		2.577E-10	
27	4.658E C2	1.255E 00	5.3776-02	2.655E-10	1.427E-11
28	4.821E 02	1.274E 00		2.741E-10	
29	4.985E C2	1.291E 00		2.822E-10	
30	5.148E S2	1.305E 00	4.6308-02	2.913E-10	1.349E-11
31	5.312E 02	1.3196 "0		3.000E-10	
32	5.475E 02	1.3368 90		3.078E-10	
33	5.639E 02	1.348E 00	4.045E-02	3.162E-10	1.279E-11
34	5.802E 02	1.36CE 00		3.2456-10	
35	5.966E CZ	1.37CE CO		3.324E-10	
36	C.129E 02	1.38CE 00	5.4532-02	5.412E-10	1.178E-11
37	C.293E CZ	1.392E CC		3.5006-10	
38	C.456E C2	1.408E CC		3.579E-10	
35	0.020E C2	1.420E 00	3.034E-C2	3.657E-10	1.110E-11
41	6.783E CZ	1.432E 00		3.736E-10	

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416. $947F$ C21. $447F$ CC3. $814E-10$ 427. $110E$ 021. $458E$ 002. $703E-02$ 3. $906E-10$ 437. $273E$ 1. $4467E$ 004. $007E-10$ 447. $437E$ 021. $4467E$ 004. $007E-10$ 457. $600E$ 021. $446E$ 024. $308E-10$ 467. $764E$ 021. $496E$ 004. $338E-10$ 477. $797E$ 1. $570E$ 004. $338E-10$ 488. $091E$ 021. $531E$ 004. $482E-10$ 598. $418E$ 021. $551E$ 004. $629E-10$ 508. $418E$ 021. $551E$ 004. $629E-10$ 518. $538E$ 021. $551E$ 004. $629E-10$ 528. $745E$ 021. $563E$ 004. $707E-10$ 538. $908E$ 021. $575E$ 024. $857E-10$ 538. $908E$ 021. $563E$ 004. $942E-10$ 549. $72E$ 1. $662E$ 005. $015E-10$ 559. $2398E$ 021. $637E$ 025. $608E-10$ 569. $72E$ 1. $637E$ 021. $375E-02$ 5. $313E-10$ 579. $5262E$ 021. $637E$ 025. $569E-12$ 569. $72E$ 1. $637E$ 021. $375E-02$ 5. $313E-10$ 579. $72E$ 031. $692E$ 025. $569E-12$ 589. $72E$ 031.	CHANN	EL ENERGY Kev	CORR	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
42 7.110E 02 1.45EE 00 2.703E-02 3.906E-10 1.056E-11 43 7.273E 02 1.467E 00 4.0072E-10 9.799E-12 44 7.437E 02 1.474E 00 4.072E-10 9.799E-12 45 7.600E 02 1.494E 00 4.072E-10 9.799E-12 46 7.764E 02 1.494E 00 4.308E-10 9.181E-12 46 7.64E 02 1.50E 00 4.30E-10 9.181E-12 47 7.927E 02 1.50E 00 4.30E-10 9.181E-12 47 8.254E 02 1.53E 00 4.639E-10 8.534E-12 50 8.53E 1.55E 00 4.639E-10 8.534E-12 51 8.50E 2.55E 00 4.707E-10 8.534E-12 53 8.90E 1.57E 00 4.639E-10 8.030E-12 54 5.072E 02 1.63E 00 5.015E-10 7.670E-12 56 5.399E 1.63E	41	6.947E C	2 1.447E	cc.		3.814E-10	
43 7.273E 1.467E 00 4.007E=10 44 7.437E 1.474E 00 4.072E=10 45 7.600E 02 1.484E 00 4.072E=10 46 7.764E 02 1.484E 00 4.038E=10 47 7.927E 02 1.508E 00 4.308E=10 47 7.927E 02 1.508E 00 4.308E=10 48 8.091E 1.522E 00 4.391E=10 9.181E=12 49 8.254E 02 1.531E 00 4.54E=10 51 8.534E 1.551E 00 4.554E=10 8.534E=12 52 8.745E 02 1.563E 00 4.707E=10 8.534E=12 52 8.745E 02 1.563E 00 4.707E=10 8.534E=12 53 8.508E 02 1.575E 00 4.707E=10 8.030E=12 54 5.725E 02 1.607E 01 1.767E=02 5.096E=10 7.670E=12 57 5.625E 02 1.637E <td>42</td> <td>7.110E 0</td> <td>2 1.458E</td> <td>ca.</td> <td>2.703E-02</td> <td>3.906E-10</td> <td>1.056E-11</td>	42	7.110E 0	2 1.458E	ca.	2.703E-02	3.906E-10	1.056E-11
44 7,437E 2 1,474E 0 4.072E-10 45 7,60CE 02 1,484E CC 2,360E-02 4.152E-10 9,799E-12 46 7,627E C2 1,50EE CC 4.33E-10 9,799E-12 47 7,927E C2 1,50E CC 4.391E-10 9,181E-12 47 7,927E C2 1,531E CC 4.391E-10 9,181E-12 48 8.091E $C2$ 1,531E CC 4.391E-10 9,181E-12 49 8.254E $C2$ 1,551E CC 4.391E-10 9,181E-12 57 8.41E $C2$ 1,551E CC 4.707E-10 8.534E-12 52 8.745E $C1$ 1.575E CC 4.707E-10 8.030E-12 53 8.908E $C2$ 1.616E CC 5.015E-10 7.670E-12 55 5.235E $C1$ $607E$ $C0$ 5.168E-10 7.670E-12 56 $5.399E$ $C2$ $1.663E$ CC $5.241E-10$ 7.306E-12 <td>43</td> <td>7.273E C</td> <td>2 1.467E</td> <td>00</td> <td></td> <td>4.000E-10</td> <td></td>	43	7.273E C	2 1.467E	00		4.000E-10	
457.600CE021.484E0C2.360E-024.152E-109.799E-12467.764E021.576E004.236E-104.308E-10477.797E1.5708E004.391E-109.181E-11498.254E021.531E004.6554E-10508.418E021.540E004.554E-10518.581F021.551E004.554E-10528.745E021.563E004.707E-10538.608E021.575E004.707E-10549.072E021.588E004.942E-10559.235E021.602E005.015E-10569.399E021.616E005.015E-10575.62E021.637E005.168E-10575.522E031.672E005.313E-10589.726E021.659E005.2385E-10601.025E031.672E005.385E-10611.722E031.687E005.529E-10621.038E031.717E005.668E-10631.054E031.717E005.807E-10641.36E031.727E001.023E-025.941E-10641.36E031.767E006.012E-10641.36E031.767E005.807E-10641.032E031.767E00<	44	7.437E C	2 1.474E	90		4.072E-10	
467.764E0.21.496E0.04.236E-10477.927E0.21.578E0.091E-024.391E-109.181E-12498.9254E0.21.531E0.04.554E-10578.418E0.21.551E0.04.554E-10518.581E0.21.551E0.04.707E-10528.408E0.21.575E0.04.707E-10538.508E0.21.575E0.04.942E-10549.072E0.21.588E0.04.942E-10555.235E0.21.602E0.05.015E-10569.399E0.21.616E0.05.015E-10575.562E0.21.636E0.05.241E-10601.005E0.31.672E0.05.241E-10611.022E0.31.672E0.05.335E-10621.036E0.31.672E0.05.335E-10631.054E0.31.694E0.01.209E-025.529E-10641.071E0.31.707E0.05.601E-10651.03E0.31.717E0.05.807E-10641.103E0.31.747E0.05.807E-10641.103E0.31.747E0.05.807E-10651.52E0.31.747E0.05.807E-10641.103E0.31.747E0.05.807E-10651.52E0.31.767E5.80	45	7.60CE 0	2 1.484E	CC	2.360E-02	4.152E-10	9.799E-12
477.627EC21.526ECC4.308E-10 48 8.091E1.52CE02.091E-n24.309E-109.181E-12 49 8.254E021.531E004.482E-109.181E-12 57 8.418En21.540En04.554E-108.534E-12 52 8.745E021.563E004.707E-108.534E-12 52 8.745E021.563E004.700E-108.030E-12 53 8.908En21.563E004.780E-108.030E-12 54 9.235E021.602E004.942E-108.030E-12 56 9.299E021.602E009.168E-107.670E-12 56 9.299E1.616E005.015E-107.670E-12 57 9.562E021.663E005.241E-10 57 9.562E021.663E005.241E-10 57 9.668E021.672E025.313E-10 57 9.662E021.667E025.259E-10 61 1.022E031.667E025.608E-10 62 1.038E031.672E005.608E-10 64 1.071E031.717E005.607E-10 64 1.071E031.777E005.608E-10 64 1.132E031.747E005.807E-10 64 1.132E031.747E006.012E-10 71 1.169E03 </td <td>46</td> <td>7.764E Q</td> <td>2 1.496E</td> <td>Ċ0</td> <td></td> <td>4.236E-10</td> <td></td>	46	7.764E Q	2 1.496E	Ċ0		4.236E-10	
468.091E 02 $1.520E$ $0.091E-02$ $4.391E-10$ $9.181E-12$ 49 $8.254E$ 02 $1.531E$ 00 $4.354E-10$ $8.418E$ 02 57 $8.418E$ 21 $1.551E$ 02 $4.554E-10$ $8.534E-12$ 51 $8.581F$ 22 $1.551E$ 02 $4.629E-10$ $8.534E-12$ 52 $8.745E$ 02 $1.563E$ 00 $4.778E-10$ $8.030E-12$ 53 $8.908E$ 02 $1.575E$ 02 $4.857E-10$ $8.030E-12$ 54 $5.072E$ 02 $1.602E$ 00 $4.942E-10$ $5.098E-10$ 55 $5.235E$ 02 $1.602E$ 00 $4.942E-10$ $7.670E-12$ 56 $5.799E$ 02 $1.663E$ 00 $5.098E-10$ $7.670E-12$ 57 $5.562E$ 02 $1.663E$ 00 $5.168E-10$ $7.306E-12$ 58 $5.726E$ 02 $1.663E$ 00 $5.241E-10$ $7.306E-12$ 61 $1.022E$ 03 $1.667E$ 02 $5.529E-10$ $6.687E-12$ 62 $1.038E$ 03 $1.667E$ 02 $5.529E-10$ $6.687E-12$ 63 $1.054E$ 03 $1.667E$ 00 $5.668E-10$ $6.256E-12$ 64 $1.071E$ 03 $1.727E$ 00 $1.209E-02$ $5.941E-10$ $6.076E-12$ 64 $1.132E$ 03 $1.747E$ 00 $5.807E-10$ $6.0256E-12$ 67 $1.120E$ 03 $1.747E$ 00 6	47	7.927E C	2 1.508E	CC		4.308E-10	
49 8.254E 02 1.531E 00 4.482E-10 50 8.418E 1.540E 00 4.554E-10 8.534E-12 51 8.581E 02 1.551E 00 4.707E-10 8.534E-12 52 8.745E 02 1.563E 00 4.707E-10 8.534E-12 53 8.508E 02 1.563E 00 4.780E-10 8.030E-12 54 9.072E 02 1.563E 00 4.942E-10 8.030E-12 54 9.072E 02 1.602E 00 4.942E-10 7.670E-12 55 9.235E 02 1.602E 00 5.015E-10 7.670E-12 57 9.562E 02 1.663E 00 5.241E-10 7.670E-12 58 9.89E 02 1.657E 00 5.241E-10 7.306E-12 61 1.025E 03 1.672E 00 1.209E-02 5.529E-10 6.687E-12 61 1.023E 03 1.672E 00 1.209E-02 5.6668E-10 6.687E-12 62 </td <td>48</td> <td>8.091E 0</td> <td>2 1.52CE</td> <td>0.0</td> <td>2.091E-02</td> <td>4.391E-10</td> <td>9.181E-12</td>	48	8.091E 0	2 1.52CE	0.0	2.091E-02	4.391E-10	9.181E-12
5° $8.418E \circ 2$ $1.540E \circ 0$ $4.554E-10$ 51 $8.531E \circ 2$ $1.551E \circ 0$ $4.629E-10$ $8.534E-12$ 52 $8.745E \circ 2$ $1.551E \circ 0$ $4.780E-10$ $8.534E-12$ 53 $8.908E \circ 2$ $1.575E \circ 0$ $4.780E-10$ $8.030E-12$ 54 $9.072E \circ 2$ $1.588E \circ 0$ $4.942E-10$ $8.030E-12$ 55 $9.235E \circ 2$ $1.602E \circ 0$ $4.942E-10$ $8.030E-12$ 56 $9.399E \circ 2$ $1.663E \circ 0$ $5.015E-10$ $7.670E-12$ 57 $9.562E \circ 2$ $1.665E \circ 0$ $5.015E-10$ $7.670E-12$ 58 $9.726E \circ 2$ $1.6659E \circ 0$ $5.241E-10$ $7.670E-12$ 57 $9.562E \circ 2$ $1.6659E \circ 0$ $5.241E-10$ $7.306E-12$ 60 $1.072E \circ 3$ $1.672E \circ 0$ $5.313E-10$ $7.306E-12$ 61 $1.022E \circ 3$ $1.687E \circ 0$ $5.457E-10$ $6.687E-12$ 62 $1.038E \circ 3$ $1.697E \circ 0$ $1.209E-02$ $5.529E-10$ $6.687E-12$ 64 $1.071E \circ 3$ $1.727E \circ 0$ $1.091E-02$ $5.735E-10$ $6.256E-12$ 64 $1.03E \circ 3$ $1.727E \circ 0$ $1.023E-02$ $5.941E-10$ $6.076E-12$ 64 $1.36E \circ 3$ $1.795E \circ 0$ $6.012E-10$ $6.076E-12$ 64 $1.362E \circ 3$ $1.795E \circ 0$ $6.024E-10$ $6.908E-10$ 71 $1.169E \circ 3$ $1.806E \circ 0$ $6.332E-10$ $5.251E-12$ 73 $1.218E \circ 3$ $1.802E \circ 0$ $6.332E-10$ $5.251E-12$ 74 <	49	8.254E 0	2 1.531E	00		4.482E-10	
51 $0.581E$ 0.2 $1.551E$ 0.0 $0.629E-10$ $0.534E-12$ 52 $0.745E$ 0.2 $1.563E$ 0.0 $0.77E-10$ 53 $0.908E$ 0.2 $1.575E$ $0.575E-10$ $0.30E-12$ 54 $9.072E$ 0.2 $1.602E$ 0.0 $4.942E-10$ 55 $9.235E$ 0.2 $1.602E$ 0.0 $4.942E-10$ 56 $9.399E$ 0.2 $1.602E$ 0.0 $5.015E-10$ 57 $9.562E$ 0.2 $1.663E$ 0.0 $5.090E-10$ 58 $9.726E$ 0.2 $1.663E$ 0.0 $5.090E-10$ 58 $9.726E$ 0.2 $1.663E$ 0.0 $5.090E-10$ 58 $9.726E$ 0.2 $1.663E$ 0.0 $5.090E-10$ 59 $9.898E$ 0.2 $1.6672E$ 0.0 $5.241E-10$ 60 $1.005E$ 0.3 $1.672E$ 0.0 $5.385E-10$ 61 $1.022E$ 0.3 $1.6672E$ 0.0 $5.3852-10$ 62 $1.038E$ 0.3 $1.672E$ 0.0 $5.601E-10$ 63 $1.054E$ 0.3 $1.708E$ 0.0 $5.601E-10$ 64 $1.071E$ 0.3 $1.727E$ 0.0 $1.023E-02$ $5.941E-10$ 64 $1.03E$ 0.3 $1.747E$ 0.0 $5.874E-10$ 66 $1.103E$ 0.3 $1.747E$ 0.0 $6.012E-10$ 67 $1.201E$ 0.3 $1.795E$ 0.0 $6.080E-10$ 71 $1.852E$ 0.3 1.8	50	8.418E 0	2 1.540E	00		4.554E-10	
52 $8.745E$ 02 $1.563E$ 00 $4.707E-10$ 53 $8.508E$ 02 $1.575E$ 00 $4.780E-10$ 54 $9.072E$ 02 $1.588E$ 00 $4.942E-10$ 55 $9.235E$ 02 $1.602E$ 00 $5.015E-10$ 56 $9.399E$ 02 $1.616E$ 00 $5.015E-10$ 57 $9.562E$ 02 $1.667E$ 00 $5.015E-10$ 57 $5.562E$ 02 $1.667E$ 00 $5.090E-10$ 57 $5.898E$ 02 $1.667E$ 00 $5.241E-10$ 60 $1.005E$ 03 $1.672E$ 00 $5.333E-10$ 57 $5.898E$ 02 $1.687E$ 00 $5.385E-10$ 60 $1.005E$ 03 $1.697E$ 00 $5.385E-10$ 61 $1.022E$ 03 $1.697E$ 00 $5.241E-10$ 63 $1.054E$ 03 $1.697E$ 00 $5.529E-10$ 64 $1.071E$ 03 $1.697E$ 00 $5.601E-10$ 64 $1.071E$ 03 $1.727E$ 00 $1.029E-02$ $5.941E-10$ 64 $1.103E$ 03 $1.727E$ 00 $5.807E-10$ 64 $1.136E$ 03 $1.777E$ 00 $5.807E-10$ 64 $1.136E$ 03 $1.795E$ 00 $6.145E-10$ 70 $1.169E$ $1.795E$ 00 $6.145E-10$ $5.569E-12$ 73 $1.218E$ 03 $1.802E$ 00	51	e.581F ^	2 1.551E	C C	1.844E-02	4.629E-10	8.534E-12
53 $e. 908E$ $C2$ $1.575E$ CC $4.780E-10$ 54 $9.030E-12$ $1.588E$ CC $1.653E-02$ $4.857E-10$ 55 $9.235E$ 02 $1.602E$ 00 $4.942E-10$ 56 $5.399E$ 02 $1.630E$ 00 $5.015E-10$ 57 $9.562E$ 02 $1.630E$ 00 $5.090E-10$ 58 $9.726E$ 02 $1.639E$ 00 $5.168E-10$ 57 $9.562E$ 02 $1.659E$ 00 $5.241E-10$ 60 $1.005E$ 03 $1.669E$ 00 $5.241E-10$ 61 $1.02E$ 03 $1.669E$ 00 $5.241E-10$ 62 $1.038E$ 03 $1.687E$ 00 $5.385E-10$ 63 $1.054E$ 03 $1.694E$ 00 $1.209E-02$ $5.529E-10$ 64 $1.071E$ 03 $1.727E$ 00 $1.691E-02$ $5.735E-10$ 65 $1.687E$ 03 $1.777E$ 00 $1.691E-02$ $5.735E-10$ 66 $1.132E$ 03 $1.747E$ 00 $5.807E-10$ 68 $1.136E$ 03 $1.795E$ 00 $5.807E-10$ 70 $1.169E$ 03 $1.795E$ 00 $6.012E-10$ 71 $1.185E$ 03 $1.806E$ 00 $6.301E-10$ 72 $1.201E$ 03 $1.806E$ 00 $6.391E-10$ 74 $1.234E$ 03 $1.806E$ 00 $6.391E-10$ 74 $1.234E$ 03 $1.865E$	52	8.745E Q	2 1.563E	00		4.707E-10	
54 $9.072E$ 02 $1.588E$ CC $1.653E-02$ $4.857E-10$ $8.030E-12$ 55 $9.235E$ 02 $1.612E$ 00 $5.015E-10$ $5.015E-10$ 57 $9.562E$ 02 $1.6616E$ 00 $5.015E-10$ 58 $9.726E$ 02 $1.6659E$ 00 $5.090E-10$ $7.670E-12$ 59 $9.889E$ 02 $1.659E$ 00 $5.241E-10$ $7.306E-12$ 60 $1.005E$ 03 $1.672E$ 00 $1.375E-02$ $5.313E-10$ $7.306E-12$ 61 $1.022E$ 03 $1.682E$ 00 $5.29E-10$ $6.687E-12$ 62 $1.038E$ 03 $1.694E$ 00 $1.209E-02$ $5.529E-10$ 63 $1.054E$ 03 $1.694E$ 00 $1.209E-02$ $5.529E-10$ 64 $1.071E$ 03 $1.772E$ 00 $1.091E-02$ $5.735E-10$ 65 $1.087E$ 03 $1.772E$ 00 $1.023E-02$ $5.941E-10$ 66 $1.103E$ 03 $1.747E$ 00 $5.807E-10$ 68 $1.136E$ 03 $1.795E$ 00 $6.012E-10$ 70 $1.169E$ 03 $1.804E$ 00 $6.204E-10$ 71 $1.852E$ 03 $1.875E$ 00 $6.204E-10$ 72 $1.201E$ 03 $1.875E$ 00 $6.332E-10$ 73 $1.218E$ $1.837E$ 00 $6.391E-10$ 74 $1.234E$ 03 $1.865E$ 00 $6.391E-10$ 7	53	8.908E C	2 1.575E	CC		4.780E-10	
55 $9.235E$ 12 $1.602E$ 10 $4.942E-10$ 56 $9.399E$ 12 $1.616E$ 00 $5.015E-10$ 57 $9.562E$ 02 $1.630E$ 00 $5.090E-10$ 58 $9.726E$ 02 $1.630E$ 00 $5.168E-10$ 59 $9.899E$ 12 $1.659E$ 00 $5.241E-10$ 60 $1.005E$ 03 $1.672E$ 00 $5.241E-10$ 61 $1.722E$ 03 $1.682E$ 00 $5.241E-10$ 62 $1.038E$ 03 $1.687E$ 00 $5.457E-10$ 63 $1.054E$ 03 $1.687E$ 00 $5.457E-10$ 64 $1.071E$ 73 $1.708E$ 00 $5.601E-10$ 65 $1.087E$ 03 $1.717E$ 00 $5.608E-10$ 66 $1.103E$ 03 $1.727E$ 00 $1.091E-02$ $5.735E-10$ 67 $1.120E$ 03 $1.747E$ 00 $5.874E-10$ 68 $1.136E$ 03 $1.767E$ 00 $5.874E-10$ 69 $1.152E$ 03 $1.786E$ 00 $6.012E-10$ 71 $1.169E$ 03 $1.802E$ 00 $6.204E-10$ 72 $1.201E$ 03 $1.823E$ 00 $6.204E-10$ 74 $1.234E$ 03 $1.865E$ 00 $6.391E-10$ 74 $1.267E$ 03 $1.865E$ 00 $6.391E-10$ 74 $1.267E$ 03 $1.865E$ 00 $6.508E-10$ 74 <t< td=""><td>54</td><td>9.C72E 0</td><td>2 1.588E</td><td>CC</td><td>1.653E-02</td><td>4.857E-10</td><td>8.030E-12</td></t<>	54	9.C72E 0	2 1.588E	CC	1.653E-02	4.857E-10	8.030E-12
56 $5.399E$ C2 $1.616E$ 00 $5.015E-10$ 57 $5.562E$ 02 $1.630E$ 00 $5.090E-10$ $7.670E-12$ 58 $5.726E$ 02 $1.645E$ 00 $5.241E-10$ 60 $1.005E$ 03 $1.672E$ 00 $5.313E-10$ $7.306E-12$ 61 $1.022E$ 03 $1.682E$ 00 $5.335E-10$ $7.306E-12$ 62 $1.038E$ 03 $1.687E$ 00 $5.457E-10$ 63 $1.054E$ 03 $1.694E$ 00 $1.209E-02$ $5.529E-10$ 64 $1.071E$ 73 $1.708E$ 00 $5.668E-10$ 65 $1.067E$ 03 $1.727E$ 00 $1.691E-02$ $5.735E-10$ 66 $1.103E$ 03 $1.727E$ 00 $1.691E-02$ $5.941E-10$ 67 $1.120E$ 03 $1.747E$ 00 $5.807E-10$ 68 $1.136E$ 03 $1.767E$ 00 $5.807E-10$ 68 $1.136E$ 03 $1.767E$ 00 $5.807E-10$ 69 $1.152E$ 03 $1.786E$ 00 $6.012E-10$ 71 $1.189E$ 03 $1.823E$ 00 $6.204E-10$ 72 $1.201E$ 03 $1.823E$ 00 $6.204E-10$ 74 $1.234E$ 03 $1.867E$ 00 $6.332E-10$ 75 $1.257E$ 03 $1.867E$ 00 $6.391E-10$ 74 $1.234E$ 03 $1.867E$ 00 $6.391E-10$ 75 1	55	9.235E N	2 1.602E	0.0		4.9426-10	
57 $5.562E$ 02 $1.637E$ 00 $5.097E-10$ $7.670E-12$ 58 $5.726E$ 02 $1.645E$ 00 $5.168E-10$ 59 $5.889E$ 12 $1.659E$ 00 $5.241E-10$ 60 $1.005E$ 03 $1.672E$ 00 $5.313E-10$ 61 $1.722E$ 03 $1.682E$ 00 $5.385E-10$ 62 $1.038E$ 03 $1.687E$ 00 $5.457E-10$ 63 $1.054E$ 03 $1.694E$ 00 $1.209E-02$ $5.529E-10$ 64 $1.071E$ 73 $1.708E$ 00 $5.601E-10$ 64 $1.071E$ 73 $1.77E$ 00 $1.691E-02$ $5.735E-10$ 64 $1.03E$ 03 $1.747E$ 00 $5.807E-10$ 64 $1.03E$ 03 $1.747E$ 00 $5.807E-10$ 64 $1.103E$ 03 $1.747E$ 00 $5.807E-10$ 68 $1.136E$ 03 $1.747E$ 00 $5.807E-10$ 68 $1.136E$ 03 $1.795E$ 00 $6.012E-10$ 71 $1.169E$ 03 $1.801E$ 00 $6.145E-10$ 72 $1.201E$ 03 $1.823E$ 00 $6.204E-10$ 74 $1.234E$ 03 $1.837E$ 00 $6.332E-10$ 74 $1.267E$ 03 $1.860E$ 00 $6.391E-10$ 74 $1.267E$ 03 $1.860E$ 00 $6.391E-10$ 74 $1.267E$ 03	5 C	5.399E C	2 1.616E	00		5.015E-10	
58 $9.726E$ 02 $1.645E$ 00 $5.168E-10$ 57 $9.899E$ 12 $1.659E$ 00 $5.241E-10$ 60 $1.005E$ 03 $1.672E$ 00 $5.313E-10$ 61 $1.722E$ 03 $1.662E$ 00 $5.385E-10$ 62 $1.038E$ 03 $1.662E$ 00 $5.457E-10$ 63 $1.054E$ 03 $1.694E$ 00 $1.209E-02$ $5.529E-10$ 64 $1.071E$ 73 $1.708E$ 00 $5.601E-10$ 65 $1.087E$ 03 $1.717E$ 00 $5.608E-10$ 66 $1.103E$ 03 $1.727E$ 00 $1.091E-02$ $5.735E-10$ 64 $1.03E$ 03 $1.727E$ 00 $1.023E-02$ $5.941E-10$ 66 $1.103E$ 03 $1.747E$ 00 $5.807E-10$ 68 $1.136E$ 03 $1.747E$ 00 $5.807E-10$ 68 $1.136E$ 03 $1.795E$ 00 $6.076E-12$ 70 $1.169E$ 03 $1.795E$ 00 $6.012E-10$ 71 $1.185E$ 73 $1.801E$ 00 $6.204E-10$ 74 $1.234E$ 03 $1.837E$ 00 $6.204E-10$ 74 $1.234E$ 03 $1.865E$ 00 $6.332E-10$ $5.251E-12$ 76 $1.267E$ 03 $1.865E$ 00 $6.391E-10$ 77 $1.283E$ 73 $1.865E$ 00 $6.508E-10$ 78 <td< td=""><td>57</td><td>9.562E 0</td><td>2 1.630E</td><td>CO</td><td>1.507E-02</td><td>5.090E-10</td><td>7.670E-12</td></td<>	57	9.562E 0	2 1.630E	CO	1.507E-02	5.090E-10	7.670E-12
59 $5.241E-10$ 60 $1.005E$ 03 $1.672E$ 00 $5.241E-10$ 61 $1.022E$ 03 $1.687E$ 00 $5.385E-10$ 62 $1.038E$ 03 $1.687E$ 00 $5.457E-10$ 63 $1.054E$ 03 $1.694E$ 00 $1.209E-02$ $5.529E-10$ 64 $1.071E$ 03 $1.708E$ 00 $5.601E-10$ 65 $1.087E$ 03 $1.77E$ 00 $5.668E-10$ 66 $1.103E$ 03 $1.727E$ 00 $5.668E-10$ 67 $1.120E$ 03 $1.747E$ 00 $5.807E-10$ 68 $1.136E$ 03 $1.77E$ 00 $5.807E-10$ 69 $1.152E$ 03 $1.795E$ 00 $6.012E-10$ 70 $1.169E$ 03 $1.806E$ 00 $6.080E-10$ 71 $1.185E$ 03 $1.823E$ 00 $6.204E-10$ 72 $1.201E$ 03 $1.823E$ 00 $6.204E-10$ 74 $1.234E$ 03 $1.837E$ 00 $6.332E-10$ 75 $1.250E$ 73 $1.865E$ 00 $6.391E-10$ 76 $1.202E$ 03 $1.865E$ 00 $6.449E-10$ 78 $1.300E$ 03 $1.800E$ 00 $6.508E-10$ 79 $1.316E$ 03 $1.800E$ 00 $6.507E-10$ 79 $1.316E$ 03 $1.800E$ 00 $6.507E-10$ 79 $1.316E$ 03 $1.800E$ 00	58	5.726E 0	2 1.645E	00		5.168E-10	
60 1.005E 03 1.672E 00 1.375E-02 5.313E-10 7.306E-12 61 1.022E 03 1.682E 00 5.385E-10 5.385E-10 62 1.038E 03 1.687E 00 5.457E-10 6.687E-12 63 1.054E 03 1.694E 00 1.209E-02 5.529E-10 6.687E-12 64 1.071E 03 1.708E 00 5.668E-10 6.687E-12 65 1.087E 03 1.717E 00 5.668E-10 6.256E-12 66 1.103E 03 1.727E 00 1.091E-02 5.735E-10 6.256E-12 67 1.120E 03 1.747E 00 5.807E-10 6.256E-12 68 1.36E 03 1.747E 00 5.807E-10 6.076E-12 70 1.169E 03 1.747E 00 5.874E-10 6.076E-12 70 1.169E 03 1.795E 00 6.012E-10 6.076E-12 71 1.815E 03 1.804E 00 6.204E	55	9.889E n	2 1.659E	00		5.241E-10	
61 1.°22E 03 1.682E 0° 5.385E-10 62 1.°38E 03 1.687E 0° 5.457E-10 63 1.°54E 03 1.694E 0° 1.209E-02 5.529E-10 6.687E-12 64 1.°71E 03 1.778E 0° 5.6601E-10 5.6608E-10 65 1.°87E 03 1.717E 0° 5.6608E-10 6.256E-12 67 1.120E 03 1.747E 0° 5.807E-10 6.256E-12 67 1.120E 03 1.747E 0° 5.807E-10 6.256E-12 68 1.136E 03 1.767E 0° 5.807E-10 6.076E-12 69 1.152E 03 1.767E 0° 5.874E-10 6.076E-12 70 1.169E 03 1.795E 0° 6.012E-10 6.012E-10 71 1.185E 03 1.801E 0° 6.204E-10 5.569E-12 73 1.218F 03 1.823E 0° 6.332E-10 5.251E-12 74 1.234E	60	1.005E 0	3 1.672E	0.0	1.375E-02	5.313E-10	7.306E-12
621.038E031.687E0C5.457E-10 63 1.054E031.694E0C1.209E-025.529E-10 64 1.071E031.708E0C5.601E-10 65 1.087E031.717E0C5.668E-10 66 1.103E031.727E001.091E-025.735E-10 67 1.120E031.747E0C5.807E-10 68 1.136E031.767ECC5.874E-10 69 1.152E031.786E0C1.023E-02 70 1.169E031.795E0C6.012E-10 71 1.185E031.806E0C9.062E-036.145E-10 72 1.201E031.823E006.204E-10 74 1.234E031.837E0C6.332E-10 74 1.267E031.860E006.391E-10 74 1.283E031.860E06.391E-10 74 1.283E031.860E06.391E-10 74 1.283E031.860E06.449E-10 74 1.283E031.865E06.449E-10 74 1.300E031.860E06.469E-10 74 1.332E031.867E06.508E-10 74 1.283E031.867E06.449E-10 74 1.283E031.867E06.449E-10 74 1.300E031.932E<	61	1.º22E 0	3 1.682E	00		5.385E-10	
63 1.054E 03 1.694E 00 1.209E-02 5.529E-10 6.687E-12 64 1.071E 03 1.708E 00 5.601E-10 65 1.087E 03 1.717E 00 5.668E-10 66 1.103E 03 1.727E 00 1.091E-02 5.735E-10 6.256E-12 67 1.120E 03 1.747E 00 5.807E-10 6.076E-12 68 1.136E 03 1.767E 00 5.874E-10 6.076E-12 69 1.152E 03 1.767E 00 5.874E-10 6.076E-12 70 1.169E 03 1.795E 00 6.012E-10 6.012E-10 71 1.185E 03 1.801E 00 6.3012E-10 5.569E-12 73 1.218F 03 1.823E 00 6.204E-10 5.2569E-12 73 1.218F 03 1.837E 00 6.332E-10 5.251E-12 74 1.234E 03 1.865E 0 6.391E-10 6.391E-10 74	62	1.038E 0	3 1.687E	00		5.457E-10	
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651.087E031.717E005.668E-10 66 1.103E031.727E001.091E-025.735E-106.256E-12 67 1.120E031.747E005.807E-106.807E-10 68 1.136E031.767E005.874E-106.076E-12 69 1.152E031.786E001.023E-025.941E-106.076E-12 70 1.169E031.795E006.012E-106.012E-10 71 1.185E731.801E006.080E-10 72 1.201E031.806E009.062E-036.145E-105.569E-12 73 1.218F031.837E006.204E-105.251E-12 74 1.234E031.837E006.332E-105.251E-12 76 1.250E031.865E006.391E-105.251E-12 76 1.263E031.865E006.449E-10 77 1.283E031.865E006.449E-10 79 1.316E031.900E006.508E-104.825E-12 79 1.316E031.932E006.429E-10 79 1.316E031.932E006.429E-10	64	1.071E C	3 1.708E	CC		5.601E-10	
66 1.103E 03 1.727E 00 1.091E-02 5.735E-10 6.256E-12 67 1.120E 03 1.747E 00 5.807E-10 6.256E-12 68 1.36E 03 1.767E CC 5.874E-10 6.076E-12 69 1.152E 03 1.786E CC 1.023E-02 5.941E-10 6.076E-12 70 1.169E 03 1.795E CC 6.012E-10 6.076E-12 70 1.169E 03 1.801E 0C 6.080E-10 7.771 71 1.185E C3 1.801E 0C 6.080E-10 5.569E-12 73 1.218F C3 1.823E 0C 6.204E-10 5.569E-12 73 1.218F C3 1.823E 0C 6.204E-10 5.251E-12 74 1.234E 03 1.837E 0C 6.332E-10 5.251E-12 76 1.267E 03 1.860E 00 6.391E-10 5.251E-12 76 1.267E 03 1.866E 00 7.414E-03 6.508E-10<	65	1.C87E 0	3 1.717E	CC		5.668E-10	
67 1.120E 03 1.747E 00 5.807E-10 68 1.136E 03 1.767E 00 5.874E-10 69 1.152E 03 1.786E 00 1.023E-02 5.941E-10 6.076E-12 70 1.169E 03 1.795E 00 6.012E-10 6.076E-12 71 1.185E 03 1.801E 00 6.080E-10 72 1.201E 03 1.823E 00 6.145E-10 5.569E-12 73 1.218F 03 1.823E 00 6.204E-10 5.569E-12 74 1.234E 03 1.837E 00 6.267E-10 5.251E-12 75 1.250E 03 1.850E 00 6.332E-10 5.251E-12 76 1.263E 03 1.860E 00 6.391E-10 5.251E-12 76 1.263E 03 1.860E 00 6.391E-10 5.251E-12 76 1.263E 03 1.860E 00 6.449E-10 5.251E-12 78 1.300E 03 1.860E 00 6.449E-10 5.808E-10 79 1.316E 03 1.900E 00 6.508E-10 4.825E-12 79 1.316E 03 1.932E 00 6.429E-10 6.567E-10 80	66	1.103E 0	3 1.727E	00	1.C91E-02	5.735E-10	6.256E+12
68 1.136E 03 1.767E CC 5.874E-10 69 1.152E 03 1.786E CC 1.023E-02 5.941E-10 6.076E-12 70 1.169E C3 1.795E CC 6.012E-10 6.012E-10 71 1.185E C3 1.801E CC 6.080E-10 72 1.201E 03 1.806E CC 9.062E-03 6.145E-10 5.569E-12 73 1.218E C3 1.823E 00 6.204E-10 5.569E-12 74 1.234E 03 1.837E 0C 6.267E-10 5.251E-12 74 1.250E C3 1.85CE CC 8.293E-03 6.332E-10 5.251E-12 76 1.267E 03 1.860E 00 6.391E-10 5.251E-12 76 1.267E 03 1.865E 00 6.449E-10 5.251E-12 78 1.300E 03 1.866E 00 7.414E-03 6.508E-10 4.825E-12 79 1.316E 03 1.932E 00 6.4629E-10 6.56	67	1.120E 0	3 1.747E	00		5.807E-10	
69 1.152E 03 1.786E CC 1.023E-02 5.941E-10 6.076E-12 70 1.169E C3 1.795E CC 6.012E-10 71 1.185E C3 1.801E 0C 6.080E-10 72 1.201E 03 1.806E 0C 9.062E-03 6.145E-10 5.569E-12 73 1.218F C3 1.823E 00 6.204E-10 7.5569E-12 73 1.218F C3 1.823E 0C 6.267E-10 7.5569E-12 74 1.234E 03 1.837E 0C 6.332E-10 5.251E-12 76 1.267E 03 1.860E 00 6.391E-10 7.253E-10 76 1.267E 03 1.865E 00 6.449E-10 7.414E-03 6.508E-10 4.825E-12 79 1.316E 03 1.900E CC 6.567E-10 6.567E-10 80 1.332E 1.932E 00 6.4629E-10 6.567E-10	68	1.136E C	3 1.767E	CC		5.874E-10	
70 1.169E C3 1.795E CC 6.012E-10 71 1.185E C3 1.801E C 6.080E-10 72 1.201E 03 1.806E CC 9.062E-03 6.145E-10 5.569E-12 73 1.218F C3 1.823E 00 6.204E-10 6.204E-10 74 1.234E 03 1.837E 0C 6.332E-10 5.251E-12 75 1.250E C3 1.850E C0 8.293E-03 6.332E-10 5.251E-12 76 1.267E 03 1.860E 00 6.391E-10 7.253E-10 5.251E-12 76 1.267E 03 1.865E 00 6.508E-10 4.825E-12 76 1.300E 03 1.800E 00 6.508E-10 4.825E-12 76 1.316E 03 1.900E 00 6.507E-10 79 1.316E 03 1.932E 00 6.567E-10	69	1.152E 0	3 1.786E	00	1.023E-02	5.941E-10	6.076E-12
71 1.185E C3 1.801E C 6.080E-10 72 1.201E 03 1.806E CC 9.062E-03 6.145E-10 5.569E-12 73 1.218F C3 1.823E 00 6.204E-10 5.569E-12 74 1.234E 03 1.837E 0C 6.267E-10 75 1.250E C3 1.850E C0 8.293E-03 6.332E-10 5.251E-12 76 1.267E 03 1.860E 00 6.391E-10 7.251E-10 76 1.267E 03 1.865E 00 6.449E-10 78 1.300E 03 1.800E 00 6.508E-10 4.825E-12 79 1.316E 03 1.900E C0 6.567E-10 8C 1.332E C3 1.932E 00 6.629E-10	70	1.169E C	3 1.795E	C C		6.012E-10	
72 1.201E 03 1.806E 0C 9.062E+03 6.145E+10 5.569E+12 73 1.218E 03 1.823E 00 6.204E+10 74 1.234E 03 1.837E 0C 6.267E+10 75 1.250E 03 1.850E CO 8.293E+03 6.332E+10 5.251E+12 76 1.267E 03 1.860E 00 6.391E+10 7.251E+12 76 1.267E 03 1.865E 00 6.391E+10 7.414E+03 6.508E+10 4.825E+12 78 1.300E 03 1.900E CO 6.567E+10 4.825E+12 79 1.316E 03 1.900E CO 6.567E+10 80 1.932E 00 6.469E+10 6.567E+10	71	1.185E C	3 1.801E	00		6.080E-10	
73 1.218F 03 1.823E 00 6.204E-10 74 1.234E 03 1.837E 00 6.267E-10 75 1.250E 03 1.850E 00 6.332E-10 5.251E-12 76 1.267E 03 1.860E 00 6.391E-10 5.251E-12 76 1.267E 03 1.860E 00 6.449E-10 77 1.283E 03 1.865E 00 6.508E-10 4.825E-12 78 1.300E 03 1.900E 00 6.567E-10 4.825E-12 79 1.316E 03 1.932E 00 6.567E-10 6.567E-10	72	1.201E 01	3 1.80 <i>6</i> E	00	9.062E+03	6.145E-10	5.569E-12
74 1.234E 03 1.837E 0C 6.267E-10 75 1.250E 03 1.85CE CC 8.293E-03 6.332E-10 5.251E-12 76 1.267E 03 1.860E 00 6.391E-10 5.251E-12 76 1.267E 03 1.860E 00 6.391E-10 5.251E-12 77 1.283E 03 1.865E 00 6.449E-10 5.251E-12 78 1.300E 03 1.866E 00 7.414E-03 6.508E-10 4.825E-12 79 1.316E 03 1.900E CC 6.567E-10 6.567E-10 80 1.332E 03 1.932E 00 6.629E-10	73	1.218E C	3 1.823E	00		6.204E-10	
75 1.250E 03 1.850E 00 8.293E-03 6.332E-10 5.251E-12 76 1.267E 03 1.860E 00 6.391E-10 77 1.283E 03 1.865E 00 6.449E-10 78 1.300E 03 1.866E 00 7.414E-03 6.508E-10 4.825E-12 79 1.316E 03 1.900E 00 6.567E-10 80 1.332E 03 1.932E 00 6.629E-10	74	1.234E 01	3 1.837E	00		6.267E-10	
76 1.267E 03 1.860E 00 6.391E-10 77 1.283E 73 1.865E 00 6.449E-10 78 1.300E 73 1.866E 90 7.414E-03 6.508E-10 4.825E-12 79 1.316E 03 1.900E C0 6.567E-10 80 1.332E 03 1.932E 00 6.629E-10	75	1.250E C	3 1.85CE	CO	8.293E-03	6.332E-10	5.251E-12
77 1.283E 03 1.865E 00 6.449E-10 78 1.300E 03 1.866E 00 7.414E-03 6.508E-10 4.825E-12 79 1.316E 03 1.900E 00 6.567E-10 6.567E-10 80 1.332E 03 1.932E 00 6.629E-10	76	1.267E 0	3 1.860E	00		6.391E-10	
78 1.300E 03 1.866E 00 7.414E-03 6.508E-10 4.825E-12 79 1.316E 03 1.900E CC 6.567E-10 80 1.332E 03 1.932E 00 6.629E-10	77	1.283E n	3 1.865E	00		6.449E-10	
79 1.316E 03 1.900E CC 6.567E-10 80 1.332E 03 1.932E 00 6.629E-10	78	1.300E 0	3 1.86 6E	90	7.414E-03	6.508E-10	4.825E-12
PC 1.332E C3 1.932E 00 6-629E-10	79	1.316E 0	3 1.900E	C C		6.567E-10	
	90	1.332E C	3 1.932E	00		6.629E-10	

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CHANNEL	ENERGY KEV	CORR • F	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX•TO DOSE R/PHCTON/ SQ•CM•	DOUE SPEC R-SG CM./ MEV-ELEC.
81 82	1.349E (1.962E	00	7.269E-03	6.694E-10	4.8668-12
83	1.3816 0	1.572	rr .		6.813E+10	
84	1.298F (13 1.977E	0.0	6.450E-03	6-871E-10	4-432E-12
85	1.414F (1.991F	00		6.975E-10	
86	1.430F C	3 2.007E	00		7.073E-10	
87	1.447E 0	3 2.C20E	00	5.860E-03	7.145E-10	4.187E-12
88	1.463E C	3 2.025E	00		7.202E-10	
89	1.479E (3 2.028E	00		7.256E-10	
99	1.496E C	3 2.028E	0.0	5.090E-03	7.315E-10	3.723E-12
91	1.512E C	3 2.044E	0.0		7.373E-10	
92	1.528E 0	3 2.063E	nc –		7.434E-10	
93	1.545E 0	3 2.077E	0.0	4.661E-03	7.499E-10	3.496E-12
94	1.561E C	3 2.089E	C C		7.560E-10	
95	1.577E C	2.10CE	00		7.6206-10	
96	1.594E 0	2.109E	00	4.221E-03	7.685E-10	3.244E-12
97	1.610E 0	3 2.128E	00		7.746E-10	
98	1.626E C	13 2.151E	00		7.8056-10	
99	1.643E 0	3 2.173E	00	3.953E-03	7.864E-10	3.108E-12
100	1.659E C	3 2.197E	CO		7.9278-10	
101	1.676E C	2.224E	0.0		7.992E-10	
102	1.692E C	3 2.242E	0.0	3.675E-03	8.051E-10	2.958E-12
1^3	1.708E C	3 2.246E	00		8.106E-10	
104	1.725E C	2.235E	CC		8.159E-10	
105	1.741E C	2.231E	ŪČ.	3.0498-03	8.198E-10	2.500E-12
106	1.757E 0	2.233E	0C		8.246E-10	
107	1.774E C	3 2.244E	00		8.305E-10	
108	1.790E 0	2.261E	CC .	2.64CE-03	8.364E-10	2.208E-12
109	1.806E C	2.289E	00		8.4256-10	
110	1.823E C	3 2.331E	n C		8.4916-10	
111	1.839E C	3 2.358E	C C -	2.4895-03	8.545E-10	2.126E-12
112	1.855E 0	3 2.377E	00		8.595E-10	
113	1.872E C	3 2.381E	00		8.641E-10	
114	1.888E C	3 2.389E	CC	2.1626-03	8.687E-10	1.8785-12
115	1.904E C	3 2.398E	00		8.734E-10	
116	1.921E C	3 2.406E	00		8.786E-10	
117	1.937E 0	3 2.427E	00	1.878E-C3	8.839E-10	1.6608-12
118	1.953E C	3 2.456E	00		8-892E-10	
119	1.970E C	3 2.497E	00		8.951E-10	
120	1.986E C	3 2.519E	UÇ .	1.714E-03	8.9976-10	1.5428-12

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CHANNEL	. ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
121	2.002E 03	2.526E 00		9.038E-10	
122	2.019E 03	2.501E 00		9.090E-10	
123	2.035E 03	2.494E CC	1.3526-03	9.138E-10	1.236E-12
124	2.052E 03	2.501E 00		9.184E-10	
125	2.068E 03	2.518E CC		9.230E-10	
126	2.084E 03	2.532E 00	1.1416-03	9.268E-10	1.057E-12
127	2.101E C3	2.545E 00		9.302E-10	
128	2.117E C3	2.544E CO		9.361E-10	
129	2.133E C3	2.576E 00	9.528E-04	9.416E-10	8.972E-13
130	2.150E 03	2.637E CC		9.469E-10	
131	2.166E C3	2.741E 00		9.515E-10	
132	2.182E C3	2.785E CO	9.3685-04	9.534E-10	8.931E-13
133	2.199E 03	2.754E 00		9.521E-10	
134	2.215E C3	2.636E CO		9.634E-10	
135	2.231E 03	2.567E OC	5.904E-04	9.728E-10	5.743E-13
136	2.248E 03	2.588E CC		9.774E-10	
137	2.264E 03	2.655E CC		9.819E-10	
138	2.280E C3	2.728E CC	5.272E-04	2.916E-09	1.537E-12
139	2.2975 03	2.800E QC		8.772E-09	
140	2.313E C3	2.871E OC		5.266E-09	
141	2.329E C3	2.913E CC	4.607E-04	1.012E-09	4.661E-13
142	2.346E 03	2.877E CC		1.018E-09	
143	2.362E 03	2.794E 00		1.025E-09	
144	2.378E C3	2.725E 00	2.797E-04	1.031E-09	2.885E-13
145	2.3956 03	2.764E OC		1.038E-09	
146	2.4116 03	2.818E 0C		1.0498-09	
147	2.428E 03	2.875E CO	2.070E-04	1.0616-09	2.196E-13
148	2.444E C3	2.9C8E 0C		1.068E-09	
149	2.46CE 03	2.911E CC		1.074E-09	
150	2.477E C3	2.918E OC	1.1896-04	1.081E-09	1.285E-13
151	2.493E C3	3.144E CC		1.087E-09	
152	2.509E 03	2.041E CC		0.0	
153	2.526E 03	0.0	0.0	0.0	0.0
154	2.542E C3	0.0		0.0	

COSE= 1.51CE-11 R-SQ.CM./ELECTRON

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TAR	GET NO. 5-2 I	NCIDENT ELECT	RCN ENERGY	2.5 MEV	
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI).
	7.5	15.0	30.0	45.0	60.0
6	5.298E-C2	1.4916-01	1.730E-01	1.461E-01	9.387E-02
S	9.369E-02	1.528E-01	1.6698-01	1.3746-01	8.588E-02
12	7.6236-02	1.230E-01	1.320E-01	1.068E-01	6.636E-02
15	6.237E-02	5.842E-02	1.043E-01	8.306E-02	5.116E+02
18	5.058E-C2	7.892E-02	8.3056-02	6.5698-02	3.971E-02
21	4.28CE-02	6.61CE-02	6.7108-02	5.230E-02	3.146E-02
24	3.473E-02	5.366E-C2	5.530E-02	4.264E-02	2.5398-02
27	2.969E-02	4.5208-02	4.622E-02	3.399E-02	2.0056-02
30	2.519E-02	3.743E-02	3.838E-02	2.8698-02	1.648E-02
33	2.201E-02	3.217E-C2	3.234E-02	2.385E-02	1.343E-^2
36	1.835E-02	2.814E-02	2.736E-02	1.991E-02	1.1326-02
39	1.604E-02	2.395E-C2	2.333E-02	1.713E-02	9.308E-03
42	1.422E-C2	2.101E-02	2.002E-02	1.3786-02	7.999E-03
45	1.232E-02	1.8296-02	1.789E+02	1.238E-02	6.770E-03
48	1.0826-02	1.625E-C2	1.519E-02	1.047E-02	5.5926-03
51	9.617E-03	1.367E-02	1.3476-02	8.908E-03	5.021E-03
54	8.242E-03	1.211E-02	1.1385-02	7.712E-03	4-2826-03
57	7.677E-C3	1.142E-C2	1.022E-02	7.336E-03	3.787E-03
60	6.934E-03	9.84CE-03	8.839E-03	6.148E-03	3.275E-03
63	6.332E-03	8.6C3E-03	7.909E-03	5.473E-03	2.888E-03
66	5.756E-03	7.920E-03	6.914E-03	4.669E-03	2.373E-03
69	4.989E-03	6.941E-03	6.256E-03	3.932E-03	2.124E-03
72	4.497E-03	6.376E-0?	5.504E-03	3.567E-03	1.824E+03
75	4.0236-03	5.628E-C3	4.946E-03	3.215E-03	1.649E-03
78	3.739E-C3	5.2346-03	4.5626-03	2.9016-03	1.4296-03
81	3.572E-03	4.8695-03	3.817E-03	2.519E-03	1.2236-03
84	3.0756-03	4.3995-03	3.6492-03	2.2201-03	9.705E-04
87	2.8565-03	3.300E-03	2.9036-03	2.0556-03	9.7152-04
90	2.5708-03	3.3986-03	2.8/75-03	1.8096-03	8.6702-04
93	2.3116-03	2.9995-03	2.5495-03	1.5508-03	1.209E-04
96		2.8895-03	2.2708-03	1.3025-03	2.753E=14 5.3045.04
99	1.8576-03	2.1275-02	1.9845-03	1.1245-03	5.298E-04
192	1.7416-03	2.1/32-03	1. FOOT 03	9.5216-04	4.2425-04
1	1.7295-03	1.9706-03	1.2525.02	3.9075-04	3.0415-04
1	1 2095-02	1.0765-03	1.0745-02	4 3035-04	3. 51145-114
111	1.1405-07	1.6425-02	1.0205-03		2.4935-04
114	L.14VE-03	1.9030-03		4.9125-04	
120	9.9275-04	1.2/95-03	7 2745-04	4 · [440-04	1.5315-04
120	9.9010-04	9 7005-04	5 5315-04		1.0175-04
125	4 7916-04	8 2095-04	5 0625-04	2 8005-04	8 9215-05
120	4 407E=04	6 7675-04	4 316E-04	2 2025-04	6 7895-05
132	5.9255-04	6.622E-04	3.8205-04	1.6325-04	3.9716-05
135	4.167E+C4	3_G37E=C4	2.188E=04	8-284E-05	4.9835-05
139	3.4366-04	3.4395-04	2.0715-04	7.3446-05	2.4705-05
141	2.79CF=04	2.595F-04	1.3516-04	2.6005-05	1.0306-05
144	1.8676-04	1.7795-04	1.242E-04	4.0116-05	1.6206-05
147	1.5016-04	1.465F-04	2.6CCE-05	1.8816-05	5_480E=06
150	7.096F-05	8.518E-05	4.730F-05	1.1756-05	1.3506-04
153	5.176E-05	3.7625-05	1.470E-05	C-0	4.1306-06

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CHANNE	L ENERG Kev	Y	CORR•F	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
1	4.C74E	C 1	C.C			4.342E-11	
2	5.7C9E	C1	c.r			3.475E-11	
3	7.343E	01	0.0			3.458E-11	
4	8.978E	01	0.0			3.814E-11	
5	1.061E	<u>^2</u>	2.456E-	-01		4.623E-11	
6	1.225E	02	9.006F-	-01	1.540E-01	5.526E-11	8.512E-12
7	1.388E	02	9.853E-	-01		6.482E-11	
8	1.552E	02	9.757E-	-01		7.572E-11	
9	1.7158	02	9.875E-	-01	1.622E-01	8.682E-11	1.408E-11
10	1.879E	<u>۵</u> 2	S.881E-	-01		9.762E-11	
11	2.C42E	C 2	9.894E-	-01		1.039E-10	
12	2.206E	02	1.001E	00	1.2956-01	1.194E-10	1.547E-11
13	2.369E	Ú 2	1.0126	00		1.308E-10	
14	2.533E	C2	123E	00		1.416E-10	
15	2.696E	02	1.043E	CC	1.062E-01	1.528E-10	1.622E-11
16	2.860E	02	1.065E	00		1.626E-10	
17	3.C23E	C 2	1.^89E	00		1.732E-10	
10	3.187E	C2	1.106E	CC	8.936E-C2	1.822E-10	1.628E-11
19	3.350E	02	1.127E	0.0		1.925E-10	
20	3.513E	02	1.15CE	00		2.0286-10	
21	3.677E	02	1.166E	00	7.629E-02	2.118E-10	1.616E-11
22	3.840E	02	1.183E	00		2.210E-10	
23	4.004E	02	1.201E	00		2.3036-10	
24	4.167E	02	1.214E	0.0	6.479E-02	2.4046-10	1.557E-11
25	4.331E	02	1.228E	00		2.492E-10	
26	4.494E	02	1.245E	00		2.577E-10	
27	4.658E	02	1.2586	C 0	5.507E-02	2.655E-10	1.462E-11
28	4.821E	02	1.273E	00		2.741E-10	
29	4.985E	C 2	1.292E	00		2.8226-10	
30	5.148E	C2	1.305E	00	4.763E-02	2.913E-10	1.388E-11
31	5.312E	0.2	1.319E	00		3.000E-10	
32	5.475E	02	1.333E	00		3.0786-10	
33	5.639E	02	1.345E	0.0	4.129E-02	3.162E-10	1.306E-11
34	5.802E	02	1.358E	00		3.2456-10	
35	5.966E	02	1.372E	00		3.324E-10	
36	6.129E	C 2	1.384E	00	3.597E-02	3.412E-10	1.228E-11
37	6.293E	°2	1.396E	00		3.500E-10	
38	6 .456E	C2	1.411E	00		3.5798-10	
39	6.620E	02	1.422E	00	3.1496-02	3.657E-10	1.152E-11
40	6.783E	02	1.432E	00		3.736E-10	

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CHANNE	EL ENERGY KEV	CORR₀FACĩ∙	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	6.947E 02	1.44CE 00		3.814E-10	1 0/75.11
42	7.11CE C2	1.450E 00	2.731E-02	3.906E-10	1.00/2-11
43	7.273E 02	1.461E CC		4.000E-10	
44	7.437E 02	1.476E 00		4.072E-10	1 02/5 11
45	7.60CE C2	1.49CE 00	2.4702-02	4.1525-10	1.0206-11
46	7.764E 02	1.5C1E 00		4.236t-10	
47	7.927E 02	1.508E 00		4.3085-10	0 4625-12
48	8.091E 02	1.518E 00	2.1536-02	4.3916-10	9.4000-12
49	8.254E C2	1.5305 00		4.482E-10	
50	8.418E C2	1.543E CO	1 01 75 00	++774E-19	0 0755-17
51	8.581E C2	1.554E CO	1.9176-02	4.6295-10	0.0/20-12
52	8.745E 02	1.563E 00		4.7070-10	
53	8.908E 02	1.5668 00	1 6765-02	4.7002-10	B. 1315-12
54	5.C72E C2	1.5765 00	1.0/40-02	4.0070-10	001010-12
55	9.2356 02	1.4935 00		4.942C-10 5 0165-10	
56	5.3998 02	1.02/0 90	1 4135-02	5.0905-10	8.212E-12
51	5.302E UZ	1.4555 00	1.0195-02	5-168E=10	U.CIEC 16
50	9.120E (2	1.6556 00		5.2416-10	
29	1 6055 02	1 4505 00	1.2085-02	5.3136-10	7-425E-12
60	1 0335 03	1.6745 00	1.0700-02	5.3856-10	
61	1.0220 03	1.6916 00		5-4576-10	
47	1.0545.03	1.707E 00	1.279E-02	5-529E-10	7.074E-12
66	1 0716 03	1.7165 00		5-601E-10	
4	1,0975 03	1.7278 00		5-668E-10	
66	1.1036 03	1.734F 00	1.138E-02	5.735E-10	6.524E-12
67	1,120E 03	1.7465 00		5.807E-10	
68	1.136E C3	1.754E CO		5.874E-10	
69	1.1526 03	1.762E 00	1.015E-02	5.941E-10	6.029E-12
70	1.169E 03	1.781E 00		6.012E-10	
71	1.1856 03	1.796E 00		6.080E-10	
72	1,201E C3	1.809E 00	5.317E-03	6.145E-10	5.725E-12
73	1.218E 03	1.823E 00		6.204E-10	
74	1.234E 03	1.834E 0C		6.267E-10	
75	1.250E 03	1.844E 00	8.5C8E-03	6.332E-10	5.387E-12
76	1.267E 03	1.866E 00		6.391E-10	
77	1,2876 03	1.887E CO		6.449E-10	
78	1.300E C3	1.908E 0C	8.038E-03	6.508E-10	5.231E-12
79	1.316E 03	1.915E CC		6.567E-10	
80	1.332E C3	1.921E CC		6.629E-10	

CHANNEI	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CN./ MEV-ELEC.
81	1.349E 03	1.924E CC	7.138E-03	6.694E-10	4.778E-12
82	1.365E 03	1.945E 00		6.754E-10	
83	1.381E C3	1.968E CO		6.813E-10	
84	1.398E C3	1.985E CO	6.629E-03	6.871E-10	4°222-15
85	1.414E 03	1.986E CO		6.975E-10	
86	1.430E P3	1.983E CC		7.073E-10	
87	1.447E C3	1.979E 00	5.7228-03	7.145E-10	4.089E-12
88	1.463E C3	2.008E 00		7.202E-10	
89	1.479E C3	2.042E CC		7.256E-10	
90	1.496E C3	2.069E OC	5.547E-03	7.315E-10	4.058E-12
91	1.512E C3	2.076E CO		7.373E-10	
92	1.528E (3	2.C76E CC		7.434E-10	
93	1.545E 03	2.077E CC	4.8716-03	7.499E-10	3.653E-12
94	1.5616 03	5-420E 00		1.560E-10	
95	1.5778 03	2.108E CC		7.6206-10	
96	1.5948 03	2.124E 00	4.40/2-03	7.6852-10	3.433E-12
97	1.6105 03	2.141E UC		7.748E-10	
98	1.020E 03	2.198E CC	1 0/15 00	7.8052-10	
99	1.00435 03	2.108E UC	4.0442-03	7.8045-10	3.180E-12
100	1.0595 (3	2.174E CC		7.9276-10	
101	1.676E US	2.175E CC		7.9922-10	
102	1.692E 03	2.181E CO	3.4912-03	8.051E-10	2.8116-12
10.3	1.7085 03	2.1985 55		8.1005-10	
104	1.7256 03	2.226E UU		8.1595-10	
10.2	1.7416 (3	20201E CC	3.2285-03	8.1986-10	2.04/2-12
100	1.77/2 03	2.278E UU		8.2405-10	
107	1.7005 02	2.5000 00	A 4445 AA	8.3052-10	a (nac 10
100	T. LANE 03	2.322E UU	2.9000-03	0.4255.10	2.400E-12
109	1.8000 03			8.4256-10	
110	1.8238 03	2.310E UU	2 4405 02	8.4912-10	a 1000 10
111	1.0555 03	2.317E UU	2.9092-03	8.745t-1V	2.109E-12
112	1.7375 03	2.328E UU		8.7975-10	
113	1.0005 03	20334E CC		8.0415-10	1 0000 10
114	1.8886 03	2.3/32 00	2.2132-03	8.08/E-IU	1.9225-12
115	1.904E 03	2.3935 00		8.7341-10	
116	1.0275 02	2.403E UG	1 0545-02	0.780t-10	1 7005-10
117	1.9316 03	2.4292 90	1.9705-03	C.059t~10	1.7292-12
110	1.9755 03	2.4002 UU 2.5215 AA		0.0516.10	
119	1.9102 03	2.521E UU 2.5205 00	1 0/10 00	0.7712-10	1 6666 10
127	102005 13	2000E UU	1.0415-03	ロップダイビーレワ	1.0705-12

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CHANNE	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. Photons/Mev -Electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
121	2.002E 01	2.528E 0C		9.038E-10	
122	2.119E 03	3 2.460E 0C		9.090E-10	
123	2.035E 03	3 2.444E CC	1.358E-C3	9.138E-10	1.241E-12
124	2.052E 03	3 2.466E 00		9.184E-10	
125	2.068E 03	3 2.545E OC		9.230E-10	
126	2.084E C3	3 2.604E CC	1.3236-03	9.268E-10	1.226E-12
127	2.101E 03	3 2.647E 0C		9.302E-10	
128	2.117E 03	3 2.665E OC		9.361E-10	
129	2.133E C3	3 2.686E CO	1.149E-03	9.416E-10	1082E-12
130	2.150E C3	3 2.697E CC		9.469E-10	
131	2.166E 03	2.697E OC		9.515E-10	
132	2.182E C3	2.682E 00	8.962E-04	9.534E-10	8.545E-13
133	2.199E 03	3 2.648E CC		9.521E-10	
134	2.215E C3	3 2.571E 00		9.634E-10	
135	2.231E C3	3 2.544E 00	5.875E-04	9.728E-10	5.715E-13
136	2.248E C3	2.604E OC		9.774E-10	
137	2.264E C3	8 2.714E CC		9.819E-10	
138	2.280E 03	2.792E 00	5.5258-04	2.916E-09	1.611E-12
139	2.297E 03	2.789E CC		8.7726-09	
140	2.313E 03	2.722E 0C		5.2668-09	
141	2.329E C3	2.682E OC	3.647E-04	1.012E-09	3.690E-13
142	2.346E 03	2.759E CC		1.018E-09	
143	2.362E 03	2.879E CC		1.025E-09	
144	2.378E C3	2.971E 00	3.274E-04	1.031E-09	3.377E-13
145	2.395E C3	2.9C5E CC		1.038E-09	
146	2.411E 03	2.754E CC		1.049E-09	
147	2.428E C3	2.614E 00	1.594E-04	1.061E-09	1.691E-13
148	2.444E 03	2.739E 00		1.0685-09	
149	2.460E 03	2.924E CC		1.074E-09	
150	2.477E 03	3.136E 00	1.327E-04	1.081E-09	1.433E-13
151	2.493E 03	3.272E 0C		1.087E-09	
152	2.509E 03	2.097E CC		0.0	
153	2.526E C3	a.o	0.0	0.0	0.0
154	2.542E C3	C.O		0.0	

CCSE= 1.557E-11 R-SQ.CM./ELECTRON

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TAR	GET NO. 5-3 [NCIDENT ELECT	RON ENERGY	2.5 MEV	
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIM	(PHI) COS(PHI).
	7.5	15.0	30.0	45.0	60.0
e	8.579E-02	1.464E-01	1.739E-01	1.362E-01	8.9546-02
9	8.741E-^2	1.5086-01	1.657E-01	1.2856-01	8.157E-02
12	7.13CE-02	1.202E-01	1.3096-01	1.0026-01	6.281E-02
15	5.6956-02	5.592E-02	1.031E-01	7.714E-02	4.802E-02
18	4.6288-02	7.792E-02	8.1946-02	6.126E-02	3.761E-02
21	3.900E-02	6.371E-C2	6.675E-02	4.8546-02	2.9385-02
24	3.276E-02	5.301E-02	5.423E-02	3.955E-02	2.312E-02
27	2.717E-02	4.429E-02	4.523E-02	3.2146-02	1.887E-0?
30	2.3436-02	3.674E-C2	3.753E-02	2.6198-02	1.510E-02
33	1.983E-02	3.148E-02	3.151E+02	2.199E-02	1.2536-02
36	1.737E-02	2.733E-02	2.665E-02	1.832E-02	1.056E-02
39	1.506E-C2	2.343E-02	2.2526-02	1.553E-02	8.7396-03
42	1.315E-02	2.C41E-02	1.901E-02	1.327E-02	7.2396-03
45	1.145E-02	1.760E-02	1.694E-02	1.124E-02	6.259E-03
48	1.011E-02	1.588E-02	1.456E-02	9.703E-03	5.241E-03
51	8.880E-03	1.351E-C2	1.2816-02	8.195E-03	4.553E-03
54	7.862E-03	1,1956-02	1.096E-02	7.067E-03	3.934E-03
57	7.035-03	1.089E-02	9.715E-03	6.278E-03	3.2436-03
60	6.283E-03	9.924E-03	8.2985-03	5.55SE-03	2.858E-03
63	5.681E-03	8.578E-03	7.674E-03	4.630E-03	2.503E-03
66	5.228E-03	7.527E-03	6.507E-03	4.422E-03	2.1976-03
69	4.523E-03	6.883E-C3	5.985E-C3	3.726E-03	1.898E-03
72	4.040E-03	6.130F-03	5.2068-03	3.203E-03	1.614E-03
75	3.719E-03	5.511E-03	4.963E-03	3.002E-03	1.460E-03
78	3.343E-03	5.015E-03	4.163E-03	2.628E-03	1.2956-03
81	3.1076-03	4.664E-C3	3.637E-03	2.2926-03	1.1278-03
94	2.882E-03	4.098E-03	3.446E-03	2.0146-03	9.493E-04
87	2.670E-03	3.706E-03	2.780E-03	1.696E-03	8.252E-04
90	2.286E-C3	3.22CE-03	2.7726-03	1.551E-03	7.260E-04
93	1.983E-03	2.7586-03	2.2C4E-03	1.338E-03	5.6408-04
96	1.8556-03	2.668E-C3	2.018E-03	1.0886-03	4.245E-04
99	1.807E-03	2.296E-03	1.890E-03	9.835E-04	4.525E-04
102	1.536E-03	1.981E-C3	1.6C6E-03	8.346E-04	3.3586-04
105	1.3606-03	1.862E-03	1.373E-03	7.495E-04	2.6785-04
108	1.2756-03	1.605E-C3	1.192E-03	5.626E-04	2.693E-04
111	1.203E-03	1.463E-03	1.1196-03	4.871E-04	2.1608-04
114	1.006E-03	1.332E-03	9.4096-04	4.648E-04	1.703E-04
117	9.0336-04	9.9828-04	6.889E-04	3.633E-04	1.210E-04
120	7.645E-04	1.036E-03	6.812E-04	3.073E-04	1.0278-04
123	6.115E-04	8.698E-04	5.863E-04	2.5486-04	7.7285-05
12e	5.417E-04	7.464E-04	4.036E-04	1.881E-04	4.724E-05
129	4.448E-C4	6.104E-04	3.283E-04	1.3996-04	4.7248-05
132	4.518E-04	4.692E-04	2.4178-04	1.107E-04	3.682E-05
135	3.C93E-C4	4.C39E-C4	1.6585-04	5.570E-05	2.165E-05
138	2.169E-04	3.452E-04	1.423E-04	2.915E-05	1.5326-05
141	2.437E-04	1.737E-04	1.016E-04	3.743E-05	5.209E-06
144	1.461E-04	1.362E-04	2.7556-05	1.127E-05	-1.113E-06
147	7.960E-05	1.160E-04	1.388E-05	4.535E-06	1.340E-06
150	5.004E-05	4.973E-05	2.378E-05	2.202E-05	-1.037E-06
153	1.4846-05	2.331E-05 -	2.964E-06	0.0	5.058E-06

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CHANNEL	. ENERG Kev	Y	CORR+F	ACT.	ENGY •SPEC• Photons/Mev -Electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
1	4.C74E	CÍ	0.0			4.342E-11	
2	5.709E	C1	C.O			3.475E-11	
3	7.343E	01	r.o			3.458E-11	
4	8.978E	C1	C.C			3.814E-11	
5	1.º61E	02	2.458E-	-01		4.623E-11	
6	1.225E	0 Z	5.013E-	-01	1.4876-01	5.526E-11	8.219E-12
7	1.388E	C 2	9.860E-	-01		6.482E-11	
8	1.552E	02	9.764E-	-01		7.572E-11	
ġ	1.715E	ÚS -	5.801E-	-01	1.564E-01	8.682E-11	1.358E-11
10	1.879E	02	5.888E-	-01		9.762E-11	
11	2.042E	02	9.902E-	-01		1.039E-10	
12	2.206E	02	1.002E	00	1.247E-01	1.194E-10	1.489E-11
13	2.369E	02	1.012E	00		1.308E-10	
14	2.533E	02	1.023E	CO		1.416E-10	
15	2.696E	02	1.042E	00	1.014E-01	1.528E-10	1.548E-11
16	2.860E	C 2	1.065E	00		1.626E-10	
17	3.0235	r2	1.09CE	00		1.732E-10	
18	3.187E	62	1.108E	00	8.5886-02	1.822E-10	1.565E-11
19	3.350E	02	1.125E	00		1.925E-10	
20	3.513E	C 2	1.151E	CC .		2.028E-10	
21	3.677E	65	1.166E	00	7.2806-02	2.118E-10	1.542E-11
22	3.640E	C S	1.183E	0.0		2.210E-10	
23	4.004E	02	1.202E	<u>çç</u>		2.303E-10	
24	4.167E	<u>^2</u>	1.214E	00	6.176E-02	2.404E-10	1.485E-11
25	4.331E	C2	1.230E	CC		2.492E-10	
26	4.494E	02	1.248E	00		2.577E-10	
27	4.658E	02	1.261E	00	5.2956-02	2.655E-10	1.406E-11
28	4.821E	n2	1.276E	CO		2.741E-10	
Z9	4.985E	nz	1.292E	aa		2.022E-10	
30	5.148E	02	1.305E	00	4.5126-02	2.913E-10	1.3146-11
31	5.212E	r 2	1.318E	00		3.000E-10	
32	5.475E	CZ	1.334E	CQ		3.078E-10	
33	5.639E	02	1.347E	<u>00</u>	3.921E-02	3.162E-10	1.240E-11
34	5.802E	n 2	1.359E	CO		3.245E-10	
35	5.966E	C 2	1.374E	00		3.324E-10	
36	6.129E	ΩZ	1.3878	CC.	3.429E-02	3.412E-10	1.170E-11
37	6.293E	CZ	1.399E	00		3.50°E-10	
38	6.456E	CZ	1.4136	00		3.5796-10	
39	6.620E	C Z	1.423E	C C	Z.982E-02	3.657E-10	1.0916-11
40	6.783E	02	1.433E	00		3.736E-10	

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416.947EC21.444E0C3.814E-10427.110E021.454ECC3.906E-101.015E-11437.273EC21.464ECC4.072E-104.072E-10447.437EC21.475ECC4.072E-109.577E-12457.600E021.570ECC4.236E-109.014E-12467.764E021.572E0C4.308E-109.014E-12477.927E021.512E0C4.308E-109.014E-12488.254EC21.536E0C4.629E-109.014E-12508.418E021.546E0C4.629E-108.373E-12518.581E021.566E0C4.629E-108.373E-12528.742E1.530E0C4.629E-108.373E-12538.908E021.668E0C4.697E-107.786E-12545.072E1.604E0C4.942E-107.786E-12555.62E1.614E0C5.015E-107.786E-12565.62E1.664E0C5.335E-106.968E-12575.62E1.664E0C5.335E-106.968E-12611.022E031.668E0C5.335E-106.968E-12621.036E1.672E0C1.178E-025.735E-106.516E-12631.674E031.772E0C1.178E-025.735E-106.516E-12641.102E1.	CHANNEI	L ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
427.110E $n = 1$ 1.454E $n = 1$ 2.598E- $n = 2$ 3.906E- $n = 1$ 1.015E- $n = 1$ 437.273E $n = 1$ 1.464E $n = 1$ 4.000E- $n = 1$ 4.000E- $n = 1$ 447.437E $n = 1$ 1.467E $n = 1$ $n = 1$ $n = 1$ 457.600E $n = 1$ 467.764E $n = 1$ 477.927E $n = 1$ 48 $n = 0 = 1$ $n = 1$ 49 $n = 2 = 1$ $n = 1$ 50 $n = 1$ 50 $n = 1$ 50 $n = 1$ 50 $n = 1$ 50 $n = 1$ 51 $n = 1$ 52 $n = 1$ 53 $n = 1$ 54 $n = 1$ 54	41	6.947E C	2 1.444E OC		3.814E-10	
437.273EC21.464ECC4.00E-10447.437EC21.467ECC4.072E-10457.60E021.57CECC4.152E-10467.764E021.57CECC4.236E-10477.927E021.512E004.30E-10488.254EC21.536ECC4.4391E-10498.254EC21.536ECC4.422E-10508.418E021.556E004.629E-10518.581E021.556E004.629E-10528.745E021.568E004.707E-10538.608EC21.578ECC4.707E-10545.072E021.604E004.632E-10559.235E021.604E005.015E-10575.562E021.632E001.455E-02585.726E021.656E005.108E-10565.899E021.656E005.313E-10601.005E031.668E011.311E-02585.726E021.656E005.608E-10611.622E031.668E015.807E-10621.638E011.311E-025.608E-10631.671E015.735E-106.516E-12641.071E031.743E025.608E-10651.632E031.757E005.60	42	7.110E C	2 1.454E CO	2.598E-02	3.906E-10	1.015E-11
447.437EC21.475ECC4.072E-10457.600EC21.487ECC2.306E-024.152E-10467.764E021.570ECC4.236E-10477.927E021.512E004.308E-10488.091E021.525E022.053E-024.391E-10498.254E1.536E024.482E-10508.418E021.546E024.629E-10518.581E021.568E004.707E-10528.745E021.568E004.707E-10538.908E021.604E004.942E-10545.072E021.604E005.015E-10559.235E021.604E005.168E-10565.399E021.668E005.241E-10601.005E031.668E005.241E-10611.022E031.668E005.385E-10621.035E031.668E011.311E-025.313E-10631.054E031.702E005.668E-10641.022E031.718E005.668E-10651.035E031.771E005.875E-10641.031E031.771E005.874E-10651.202E1.771E005.875E-106.158E-12641.103E1.771E005.875E-105.257E-12	43	7.273E C	2 1.464E CC		4.00CE+10	
457.600EC21.487ECC2.306E-024.152E-109.577E-12467.764E021.570ECC4.236E-104.308E-10477.927E021.512E004.308E-109.014E-12498.254EC21.525E002.053E-024.391E-109.014E-12498.254EC21.536E004.629E-108.373E-12518.581E021.556E001.809E-024.629E-108.373E-12528.745E021.568E004.780E-107.786E-12545.072E021.604E004.942E-10559.235E021.618E005.168E-10575.525E021.664E005.168E-10585.726E021.664E005.168E-10595.889E021.668E005.168E-10505.889E021.668E005.385E-10611.022E031.661E005.457E-10621.036E031.661E005.661E-12641.071E031.718E005.668E-10651.087E031.772E005.668E-10661.103E031.774E005.668E-10671.206E031.770E005.874E-10681.136E031.770E005.874E-10691.152E031.792E<	44	7.437E C	2 1.475E CC		4.072E-10	
467.764E021.57CECC4.236E-10477.927E021.512E004.308E-10488.091E021.525E02 $2.053E-02$ $4.391E-10$ 498.254E021.536E00 $4.629E-10$ $9.014E-12$ 498.254E021.566E01 $1.809E-02$ $4.629E-10$ $9.014E-12$ 508.418E021.566E01 $1.809E-02$ $4.629E-10$ $9.373E-12$ 518.501E021.568E00 $4.707E-10$ 528.745E021.578ECC $4.707E-10$ 545.072E021.604E00 $4.942E-10$ 545.725E021.618ECC $5.015E-10$ 575.562E021.632E00 $1.455E-02$ $5.009E-10$ 585.726E021.668E00 $5.168E-10$ 595.889E021.656ECC $5.241E-10$ 601.005E031.668E00 $5.457E-10$ 611.025E031.668E00 $5.601E-10$ 621.036E031.671E00 $5.668E-10$ 631.037E031.702E02 $5.668E-10$ 641.03E031.771E00 $5.668E-10$ 651.037E031.770E00 $5.678-10$ 661.102E031.792E02 $5.874E-10$ 671.120E031.792E00<	45	7.600E C	2 1.487E CO	2.306E-02	4.152E-10	9.577E-12
477.927E0.21.512E0.04.308E-10488.091E0.21.525E0.22.053E-0.24.301E-10 $9.014E-12$ 498.254E0.11.536E0.04.4622E-10 $8.373E-12$ 508.418E0.21.556E0.1 $809E-0.2$ $4.629E-10$ $8.373E-12$ 518.581E0.21.556E0.1 $809E-0.2$ $4.629E-10$ $8.373E-12$ 52 $8.745E$ 0.21.556E0.1 $4.707E-10$ $4.707E-10$ 53 $8.908E$ 0.21.578E0.4857E-10 $7.786E-12$ 54 $9.235E$ 0.21.604E0.492E-10 $5.015E-10$ 55 $9.235E$ 0.21.604E0.0 $5.015E-10$ 56 $5.399E$ 0.21.604E0.0 $5.168E-10$ 57 $5.562E$ 0.21.632E0.0 $1.455E-02$ $5.090E-10$ 58 $7.26E$ 0.31.668E0.0 $5.168E-10$ 57 $5.562E$ 0.31.668E0.0 $5.313E-10$ 601.005E0.31.668E0.0 $5.395E-10$ 611.025E0.31.661E0.0 $5.601E-10$ 621.038E0.31.718E0.0 $5.601E-10$ 631.038E0.31.743E0.1.074E-02 $5.735E-10$ 641.027E0.31.777E0.0 $5.807E-10$ 651.027E0.31.792E0.0 $6.207E-10$ 681.312E0.3<	46	7.764E 0	2 1.50CE CC		4.236E-10	
4e8.091E n_2 1.525E 00 2.053E- n_2 4.391E-109.014E-12498.254E 02 1.536E 00 4.629E-108.373E-12508.416E 02 1.556E 00 4.629E-108.373E-12528.745E 02 1.556E 00 4.629E-108.373E-12528.745E 02 1.578E 00 4.607E-107.786E-12545.072E 02 1.590E 00 1.603E- 02 4.857E-107.786E-12559.235E 02 1.604E 00 4.942E-107.405E-12565.399E 02 1.632E 00 1.455E- 02 5.090E-107.405E-12585.726E 02 1.664E 00 5.168E-105.168E-10595.889E 02 1.665E 00 1.311E- 02 5.313E-106.968E-12611.022E 03 1.668E 00 1.311E- 02 5.3385E-106.516E-12621.03E 03 1.668E 00 5.661E-106.516E-12631.054E 03 $1.702E$ 02 $5.735E-10$ $6.158E-12$ 641.021E 03 $1.743E$ 02 $5.608E-10$ $5.257E-12$ 671.120E 03 $1.792E$ 02 $6.022E-10$ $5.257E-12$ 671.120E 03 $1.792E$ 02 $6.391E-10$ $5.257E-12$ 711.169E 03 $1.885E$ 00 $6.207E-10$ $5.281E-12$ <	47	7.927E 0	2 1.512E 00		4.308E-10	
49 $8,254E$ C2 $1,534E$ C0 $4,482E-10$ 50 $8,418E$ 02 $1,544E$ 00 $4,554E-10$ 51 $8,581E$ 02 $1,556E$ 00 $4,659E-10$ 52 $8,745E$ 02 $1,568E$ 00 $4,677E-10$ 53 $8,508E$ 02 $1,578E$ 00 $4,673E-10$ 54 $5,772E$ $1,590E$ 00 $1,603E-02$ $4,872E-10$ 55 $9,235E$ 02 $1,632E$ 00 $1,455E-02$ $5,090E-10$ 56 $5,399E$ 02 $1,638E$ 00 $5,168E-10$ 57 $5,562E$ 02 $1,632E$ 00 $1,455E-02$ $5,090E-10$ 58 $5,726E$ 02 $1,632E$ 00 $1,455E-02$ $5,090E-10$ 59 $5,8989E$ 02 $1,664E$ 0 $5,168E-12$ 60 $1,005E$ 03 $1,668E$ 00 $5,385E-10$ 61 $1,022E$ 03 $1,661E$ 0 $5,385E-10$ 62 $1,034E$ 03 $1,718E$ 00 $5,601E-10$ 63 $1,03E$ 03 $1,743E$ 00 $5,601E-10$ 64 $1,03E$ 03 $1,743E$ 00 $5,601E-10$ 65 $1,20E$ 03 $1,772E$ 00 $5,031E-10$ 64 $1,132E$ 03 $1,772E$ 00 $5,031E-10$ 65 $1,20E$ 03 $1,792E$ 00 $6,030E-10$ 71 $1,185E$ 03 $1,792E$ 00 $6,274E-10$ 72 $1,201E$ <	48	8.091E 0	2 1.525E QQ	2.053E-02	4.391E-10	9.014E-12
50 $8.418E$ 02 $1.546E$ 00 $1.809E-02$ $4.629E-10$ $8.373E-12$ 52 $8.745E$ 02 $1.566E$ 00 $4.629E-10$ $8.373E-12$ 52 $8.745E$ 02 $1.568E$ 00 $4.629E-10$ $8.373E-12$ 53 $8.908E$ 02 $1.578E$ 00 $4.629E-10$ $8.373E-12$ 54 $5.72E$ 7.2 $1.604E$ 00 $4.780E-10$ $7.786E-12$ 55 $9.235E$ 72 $1.604E$ 00 $5.015E-10$ $7.786E-12$ 56 $5.399E$ 02 $1.648E$ 00 $5.015E-10$ $7.405E-12$ 58 $5.726E$ 02 $1.656E$ 00 $5.168E-10$ $5.241E-10$ 60 $1.005E$ 03 $1.668E$ 00 $1.311E-02$ $5.313E-10$ $6.968E-12$ 61 $1.022E$ 03 $1.668E$ 00 $1.311E-02$ $5.385E-10$ $6.516E-12$ 62 $1.038E$ 03 $1.668E$ 00 $5.601E-10$ $6.516E-12$ 63 $1.074E$ 03 $1.762E$ 02 $5.608E-10$ 64 $1.03E$ 03 $1.743E$ 00 $5.608E-10$ 65 $1.362E$ 03 $1.772E$ 00 $5.608E-10$ 66 $1.132E$ 03 $1.772E$ 00 $5.608E-10$ 68 $1.36E$ 03 $1.772E$ 00 $6.080E-10$ 71 $1.185E$ 03 $1.792E$ 00 $6.080E-10$ 72 $1.201E$ 03 $1.792E$ 00 $6.332E-10$ 74	49	8.254E C	2 1.536E CC		4.482E-10	
51 $8.581E$ 02 $1.556E$ 00 $1.809E-02$ $4.629E-10$ $8.373E-12$ 52 $8.745E$ 02 $1.568E$ 00 $4.780E-10$ 53 $8.908E$ 02 $1.578E$ 00 $4.657E-10$ 54 $5.072E$ $1.604E$ 00 $4.942E-10$ 56 $9.235E$ 02 $1.618E$ 00 $5.015E-10$ 57 $9.562E$ 02 $1.632E$ 00 $1.455E-02$ $5.090E-10$ 58 $9.726E$ 02 $1.632E$ 00 $1.455E-02$ $5.090E-10$ 58 $9.726E$ 02 $1.668E$ 00 $5.168E-10$ 59 $5.889E$ 02 $1.656E$ 00 $5.241E-10$ 60 $1.005E$ 03 $1.668E$ 00 $5.313E-10$ $6.968E-12$ 61 $1.722E$ 03 $1.661E$ 00 $5.457E-10$ 62 $1.636E$ 03 $1.671E$ 00 $5.601E-10$ 63 $1.674E$ 03 $1.772E$ 00 $5.668E-10$ 64 $1.03E$ 03 $1.731E$ 00 $5.668E-10$ 65 $1.087E$ 03 $1.770E$ 00 $5.874E-10$ 66 $1.132E$ 03 $1.792E$ 00 $5.874E-10$ 69 $1.152E$ 03 $1.792E$ 00 $6.012E-10$ 71 $1.120E$ 03 $1.792E$ 00 $6.0212E-10$ 72 $1.201E$ 03 $1.792E$ 00 $6.0212E-10$ 74 $1.226E$ $1.792E$ 00 $6.030E-10$ 74 $1.226E$	50	8.418E 0	2 1.546E CO		4.5546-10	
52 $8.745E$ 02 $1.568E$ 00 $4.707E-10$ 53 $8.908E$ 02 $1.578E$ 00 $4.780E-10$ 54 $5.772E$ 02 $1.690E$ 00 $1.603E-02$ $4.857E-10$ 55 $9.235E$ 02 $1.604E$ 00 $4.942E-10$ 56 $5.399E$ 02 $1.618E$ 00 $5.015E-10$ 57 $5.562E$ 02 $1.632E$ 00 $1.455E-02$ $5.090E-10$ 57 $5.562E$ 02 $1.662E$ 00 $5.015E-10$ 57 $5.562E$ 02 $1.662E$ 00 $5.090E-10$ 57 $5.562E$ 02 $1.662E$ 00 $5.090E-10$ 57 $5.562E$ 02 $1.663E$ 00 $1.455E-02$ $5.090E-10$ $7.405E-12$ 57 $5.562E$ 02 $1.663E$ 00 $5.668E-10$ $5.168E-12$ $5.3385E-10$ 60 $1.005E$ 03 $1.661E$ 00 $5.601E-10$ $5.457E-10$ $6.516E-12$ 62 $1.03E$ 03 $1.771E$ 00 64 $1.03E$ 03 $1.773E$ 00 $5.668E-10$ 64 $1.120E$ 03 $1.770E$ 00 $5.807E-10$ 68 $1.132E$ 03 $1.792E$ 00 $5.807E-10$ 69 $1.152E$ 03 $1.792E$ 00 $6.080E-10$ 71 $1.185E$ 03 $1.792E$ 00 $6.080E-10$ 72 $1.201E$ <	51	8.581E 0	2 1.556E QO	1.809E-02	4.629E-10	8.373E-12
538.908E021.578ECC4.780E-10545.072E021.590E001.603E-024.857E-10559.235E021.604E005.015E-10565.399E021.632E001.455E-025.090E-10575.562E021.646E005.168E-10585.726E021.656ECC5.241E-10601.005E031.668E001.311E-025.313E-10611.022E031.661E005.457E-10621.03EE031.661E005.457E-10631.054E031.671E005.457E-10641.071E031.702E021.074E-025.529E-10641.071E031.771E005.661E-10651.087E031.771E005.807E-10661.103E031.770E025.874E-10671.120E031.770E025.874E-10681.136E031.770E026.012E-10711.185E1.792E026.080E-10721.201E031.825E006.267E-10731.218E031.889E026.332E-10741.234E031.889E006.332E-10751.250E1.889E006.508E-10761.267E1.889E006.332E-1076 <td< td=""><td>52</td><td>8.745E 0</td><td>2 1.568E 0C</td><td></td><td>4.707E-10</td><td></td></td<>	52	8.745E 0	2 1.568E 0C		4.707E-10	
545.072E0.21.590E0.01.6C3E-0.24.857E-107.786E-12559.235E0.21.604E0.05.015E-107.405E-12565.399E0.21.632E0.01.455E-0.25.090E-107.405E-12585.726E0.21.632E0.01.455E-0.25.090E-107.405E-12585.726E0.21.656E0.05.168E-105.241E-10601.005E0.31.668E0.01.311E-0.25.313E-106.968E-12611.022E0.31.661E0.05.457E-106.516E-12621.034E0.31.718E0.05.601E-10631.054E0.31.718E0.05.668E-10641.03E0.31.743E0.01.074E-0.25.735E-10651.087E0.31.777E0.05.807E-10661.103E0.31.777E0.05.807E-10671.120E0.31.790E0.05.807E-10681.136E0.31.792E0.06.080E-10711.85E0.31.825E0.06.204E-10721.201E0.31.856E0.06.204E-10741.234E0.31.889E0.06.332E-10751.250E0.31.889E0.06.332E-10761.267E0.31.889E0.06.332E-10771.283E0.31.889E0.0<	53	8.908E C	2 1.578E CC		4.780E-10	
55 $9.235E C2$ $1.604E C0$ $4.942E-10$ 56 $5.399E 02$ $1.618E CC$ $5.015E-10$ 57 $5.562E 02$ $1.632E 00$ $1.455E-02$ $5.090E-10$ 58 $5.726E C2$ $1.646E 00$ $5.168E-10$ 59 $5.889E 02$ $1.656E CC$ $5.241E-10$ 60 $1.005E 03$ $1.668E 00$ $1.311E-02$ $5.313E-10$ 61 $1.022E 03$ $1.668E 00$ $1.311E-02$ $5.313E-10$ 62 $1.038E C3$ $1.661E 00$ $5.457E-10$ 63 $1.054E C3$ $1.702E CC$ $1.178E-02$ $5.529E-10$ 64 $1.071E 03$ $1.718E 00$ $5.601E-10$ 65 $1.03E C3$ $1.771E 00$ $5.601E-10$ 66 $1.103E 03$ $1.775E 0C$ $5.807E-10$ 68 $1.132E C3$ $1.770E 0C$ $5.874E-10$ 69 $1.52E C3$ $1.781E 0C$ $5.737E-03$ 70 $1.69E 03$ $1.792E 0C$ $6.080E-10$ 71 $1.185E C3$ $1.792E 0C$ $6.080E-10$ 72 $1.201E 03$ $1.825E 00$ $6.267E-10$ 74 $1.234E C3$ $1.825E 00$ $6.332E-10$ 75 $1.260E C3$ $1.889E 0C$ $6.391E-10$ 74 $1.234E C3$ $1.889E 0C$ $6.391E-10$ 74 $1.232E C3$ $1.889E 0C$ $6.391E-10$ 75 $1.260E C3$ $1.889E 0C$ $6.508E-10$ 76 $1.2250E C3$ $1.889E 0C$ $6.508E-10$ 77 $1.283E C3$ $1.890E 0C$ $6.508E-10$ 78 $1.300E c3$	54	5.072E 0	2 1.590E 00	1.6C3E-02	4.857E-10	7.786E-12
56 $5.399E$ 02 $1.618E$ CC $5.015E-10$ 57 $5.562E$ 02 $1.632E$ 00 $1.455E-02$ $5.090E-10$ $7.405E-12$ 58 $5.726E$ 02 $1.664E$ 00 $5.168E-10$ $7.405E-12$ 57 $5.889E$ 02 $1.656E$ CC $5.241E-10$ 60 $1.005E$ 03 $1.668E$ 00 $1.311E-02$ $5.313E-10$ 61 $1.022E$ 03 $1.668E$ 00 $5.385E-10$ 62 $1.03EE$ $C3$ $1.672E$ CC $5.385E-10$ 63 $1.054E$ $C3$ $1.702E$ CC $5.601E-10$ 63 $1.054E$ $C3$ $1.718E$ 00 $5.668E-10$ 64 $1.071E$ 03 $1.743E$ $0C$ $5.601E-10$ 65 $1.028F$ $C3$ $1.773E$ $0C$ $5.807E-10$ 66 $1.132E$ $C3$ $1.773E$ $0C$ $5.807E-10$ 68 $1.136E$ $C3$ $1.770E$ $0C$ $5.807E-10$ 69 $1.152E$ $C3$ $1.792E$ $0C$ $6.080E-10$ 71 $1.185E$ $C3$ $1.792E$ $0C$ $6.204E-10$ 74 $1.825E$ $0C$ $6.332E-10$ $5.257E-12$ 73 $1.218E$ 03 $1.825E$ $0C$ $6.332E-10$ 74 $1.826E$ $0C$ $6.391E-10$ $6.391E-12$ 74 $1.224E$ $C3$ $1.889E$ $0C$ $6.391E-10$ 74 $1.234E$	55	9.235E C	2 1.604E CO		4.942E-10	
57 $5.562E$ 02 $1.632E$ 00 $1.455E-02$ $5.090E-10$ $7.405E-12$ 58 $5.726E$ 02 $1.646E$ 00 $5.168E-10$ 57 $5.889E$ 02 $1.65EC$ $5.241E-10$ 60 $1.005E$ 03 $1.668E$ 00 $1.311E-02$ 61 $1.022E$ 03 $1.668E$ 00 $5.385E-10$ 62 $1.038E$ 03 $1.681E$ 00 $5.457E-10$ 63 $1.054E$ 03 $1.702E$ $0C$ $1.178E-02$ 64 $1.071E$ 03 $1.718E$ 00 $5.668E-10$ 64 $1.03E$ 03 $1.743E$ $0C$ $5.668E-10$ 64 $1.03E$ 03 $1.771E$ 00 $5.668E-10$ 64 $1.136E$ 03 $1.770E$ $0C$ $5.807E-10$ 67 $1.120E$ 03 $1.770E$ $0C$ $5.807E-10$ 68 $1.136E$ 03 $1.770E$ $0C$ $5.807E-10$ 69 $1.152E$ 03 $1.790E$ $0C$ $6.080E-10$ 71 $1.169E$ 03 $1.792E$ $0C$ $6.204E-10$ 71 $1.23E$ 03 $1.825E$ $0C$ $6.204E-10$ 74 $1.234E$ 03 $1.825E$ $0C$ $6.332E-10$ 74 $1.234E$ 03 $1.889E$ $0C$ $6.332E-10$ 74 $1.234E$ 03 $1.890E$ $0C$ $6.508E-10$ 74 $1.234E$ 03 $1.899E$ $0C$ <td>56</td> <td>S.399E 0</td> <td>2 1.618E CC</td> <td></td> <td>5.015E-10</td> <td></td>	56	S.399E 0	2 1.618E CC		5.015E-10	
5E $5.726E$ 02 $1.646E$ 00 $5.168E-10$ 57 $5.889E$ 02 $1.656E$ 00 $5.241E-10$ 60 $1.005E$ 03 $1.668E$ 00 $1.311E-02$ $5.313E-10$ 61 $1.C22E$ 03 $1.668E$ 00 $5.385E-10$ 62 $1.C38E$ 03 $1.661E$ 00 $5.457E-10$ 62 $1.C38E$ 03 $1.672E$ 00 $5.457E-10$ 63 $1.054E$ 03 $1.702E$ 00 $5.601E-10$ 64 $1.071E$ 03 $1.773E$ 00 $5.668E-10$ 64 $1.03E$ 03 $1.743E$ 00 $5.668E-10$ 64 $1.03E$ 03 $1.773E$ 00 $5.807E-10$ 64 $1.120E$ 03 $1.777E$ 00 $5.807E-10$ 64 $1.13EE$ 03 $1.779E$ 00 $5.807E-10$ 64 $1.13EE$ 03 $1.779E$ 00 $5.874E-10$ 67 $1.120E$ 03 $1.792E$ 00 $6.012E-10$ 71 $1.169E$ 03 $1.792E$ 00 $6.080E-10$ 72 $1.201E$ 03 $1.825E$ 00 $6.204E-10$ 74 $1.234E$ 03 $1.886E$ 00 $6.332E-10$ 74 $1.234E$ 03 $1.889E$ 00 $6.332E-10$ 74 $1.234E$ 03 $1.889E$ 00 $6.332E-10$ 74 $1.234E$ 03 $1.889E$ 00	57	5.562E 0	2 1.632E 00	1.455E-02	5.090E-10	7.405E-12
55 5.889E 02 1.656E C0 5.241E-10 60 1.005E 03 1.668E 00 1.311E-02 5.313E-10 6.968E-12 61 1.C22E 03 1.668E 00 5.385E-10 5.457E-10 62 1.C38E 03 1.651E 00 5.457E-10 6.516E-12 63 1.054E 03 1.702E 00 1.178E-02 5.529E-10 6.516E-12 64 1.071E 03 1.718E 00 5.661E-10 6.5668E-10 65 1.03E 03 1.743E 00 1.074E-02 5.735E-10 6.158E-12 64 1.03E 03 1.770E 00 5.807E-10 6.158E-12 67 1.120E 03 1.770E 00 5.874E-10 5.784E-12 68 1.136E 03 1.770E 00 5.874E-10 5.784E-12 70 1.169E 03 1.792E 00 6.080E-10 5.257E-12 73 1.218E 03 1.825E 00 6.204E-10 5.257E-12 73 1.218E 03 1.856E 00 6.332E-10 5.281E-12 74 1.234E 03 1.886E 00 6.391E-10 5.281E-12 75 1.250E 03 1.889	58	9.726E C	2 1.646E 00		5.168E-10	
60 1.005E 03 1.668E 00 1.311E-02 5.313E-10 6.968E-12 61 1.022E 03 1.681E 00 5.385E-10 5.385E-10 62 1.038E 03 1.651E 00 5.457E-10 6.516E-12 63 1.054E 03 1.702E 00 1.178E-02 5.529E-10 6.516E-12 64 1.071E 03 1.718E 00 5.601E-10 5.601E-10 65 1.087E 03 1.731E 00 5.601E-10 5.668E-10 66 1.103E 03 1.743E 00 1.074E-02 5.735E-10 6.158E-12 67 1.120E 03 1.757E 00 5.874E-10 5.874E-10 68 1.136E 03 1.770E 00 5.874E-10 5.784E-12 70 1.169E 03 1.792E 00 6.012E-10 5.257E-12 73 1.218E 03 1.825E 00 6.204E-10 5.257E-12 73 1.218E 03 1.825E 00 6.332E-10 5.281E-12 74 1.234E 03 1.886E 00 6.332E-10 5.281E-12 75 1.250E 03 1.889E 00 6.391E-10 5.281E-12 76 1.26	59	5.889E 0	2 1.656E CO		5.241E-10	
61 1.022E 03 1.681E 00 5.385E-10 62 1.038E 03 1.651E 00 5.457E-10 62 1.054E 03 1.702E 00 1.178E-02 5.529E-10 6.516E-12 64 1.071E 03 1.718E 00 5.601E-10 5.668E-10 65 1.087E 03 1.731E 00 5.668E-10 6.158E-12 66 1.103E 03 1.771E 00 5.807E-10 6.158E-12 67 1.120E 03 1.757E 00 5.874E-10 5.784E-12 68 1.136E 03 1.770E 00 5.874E-10 5.784E-12 70 1.169E 03 1.790E 00 6.012E-10 5.257E-12 71 1.185E 03 1.792E 00 6.080E-10 5.257E-12 73 1.218E 03 1.825E 00 6.204E-10 5.257E-12 73 1.218E 03 1.856E 00 6.332E-10 5.281E-12 74 1.234E 03 1.886E 00 6.332E-10 5.281E-12 75 1.250E 03 1.889E 00 6.332E-10 5.281E-12 76 1.267E 03 1.889E 00 6.331E-10 6.449E-10	60	1.005E 0	3 1.668E 00	1.311E-02	5.313E-10	6.968E-12
62 1. C38E C3 1. 651E 00 5.457E-10 63 1. 054E C3 1. 702E CC 1. 178E-02 5.529E-10 6.516E-12 64 1. 071E 03 1. 718E 00 5.601E-10 5.668E-10 65 1. 087E 03 1. 731E 00 5.668E-10 6.158E-12 66 1. 103E 03 1. 743E 0C 1. 074E-02 5.735E-10 6. 158E-12 67 1. 120E 03 1. 757E 0C 5.807E-10 6. 158E-12 68 1. 136E 03 1. 776E 0C 5.874E-10 5. 784E-12 69 1. 152E 03 1. 776E 0C 6.012E-10 5.784E-12 70 1. 169E 03 1. 792E 0C 6.080E-10 5.257E-12 73 1. 218E 03 1. 825E 0C 6.204E-10 5.281E-12 74 1. 234E 03 1. 856E 00 6.332E-10 5.281E-12 75 1. 267E 03 1. 889E 0C 6.391E-10 6	61	1.C22E 0	3 1.681E CO		5.385E-10	
63 1.054E C3 1.702E CC 1.178E-02 5.529E-10 6.516E-12 64 1.071E 03 1.718E 00 5.601E-10 5.668E-10 65 1.087E C3 1.731E 00 5.668E-10 6.158E-12 66 1.103E 03 1.743E 0C 1.074E-02 5.735E-10 6.158E-12 67 1.120E C3 1.757E CC 5.807E-10 6.158E-12 68 1.136E C3 1.776E 0C 5.874E-10 5.784E-12 69 1.152E C3 1.776E 0C 6.012E-10 5.784E-12 70 1.169E 03 1.790E 0C 6.012E-10 5.257E-12 71 1.185E C3 1.792E 0C 6.080E-10 5.257E-12 73 1.218E 03 1.825E 0C 6.204E-10 5.281E-12 74 1.234E C3 1.886E CC 8.341E-03 6.332E-10 5.281E-12 75 1.267E 03 1.889E 0C 6.508	62	1.038E C	3 1.651E 00		5.457E-10	
64 1.071E 03 1.718E 00 5.601E-10 65 1.087E 03 1.731E 00 5.668E-10 66 1.103E 03 1.743E 00 5.668E-10 66 1.103E 03 1.743E 00 5.668E-10 67 1.120E 03 1.757E 00 5.807E-10 68 1.136E 03 1.776E 00 5.874E-10 69 1.152E 03 1.776E 00 5.874E-10 69 1.152E 03 1.776E 00 5.874E-10 70 1.169E 03 1.790E 00 6.012E-10 71 1.185E 03 1.792E 00 6.080E-10 72 1.201E 03 1.825E 00 6.204E-10 74 1.234E 03 1.825E 00 6.332E-10 5.281E-12 76 1.267E 03 1.889E 00 6.332E-10 5.281E-12 76 1.267E 03 1.889E 00 6.508E-10	63	1.054E C	3 1.702E CC	1.178E-02	5.5298-10	6.516E-12
65 1.087E 03 1.731E 00 5.668E-10 66 1.103E 03 1.743E 00 1.074E-02 5.735E-10 6.158E-12 67 1.120E 03 1.757E 00 5.807E-10 6.158E-12 68 1.136E 03 1.770E 00 5.874E-10 6.158E-12 69 1.152E 03 1.781E 00 5.874E-10 5.784E-12 70 1.169E 03 1.790E 00 6.012E-10 5.784E-12 71 1.185E 03 1.792E 00 6.0145E-10 5.257E-12 73 1.218E 03 1.825E 00 6.204E-10 6.267E-10 74 1.234E 03 1.825E 00 6.332E-10 5.281E-12 76 1.267E 03 1.889E 00 6.391E-10 5.281E-12 76 1.267E 03 1.889E 00 6.391E-10 7.283E 6.391E-10 77 1.283E 03 1.890E 00 7.315E-03 6.508E-10 4.761E-	64	1.0718 0	3 1.718E 00		5.601E-10	
66 1.103E 03 1.743E 00 1.074E=02 5.735E=10 6.158E=12 67 1.120E 03 1.757E 00 5.807E=10 6.158E=12 68 1.136E 03 1.770E 00 5.874E=10 5.784E=12 69 1.152E 03 1.781E 00 5.941E=10 5.784E=12 70 1.169E 03 1.790E 00 6.012E=10 5.784E=12 71 1.185E 03 1.792E 00 6.080E=10 5.257E=12 73 1.218E 03 1.825E 00 6.204E=10 5.257E=12 73 1.218E 03 1.825E 00 6.267E=10 5.281E=12 74 1.234E 03 1.8856E 00 6.332E=10 5.281E=12 75 1.250E 03 1.889E 00 6.332E=10 5.281E=12 76 1.267E 03 1.889E 00 6.391E=10 7.315E=03 6.508E=10 77 1.283E 03 1.890E 00 7.315E=03 6.50	65	1.C87E C	3 1.731E OO		5.668E-10	
67 1.120E C3 1.757E CC 5.807E-10 68 1.136E C3 1.770E CC 5.874E-10 69 1.152E C3 1.781E CC 5.737E-03 5.941E-10 5.784E-12 70 1.169E C3 1.790E CC 6.012E-10 6.012E-10 71 1.185E C3 1.792E CC 6.080E-10 72 1.201E 03 1.794E CC 8.555E-03 6.145E-10 5.257E-12 73 1.218E 03 1.825E 0C 6.204E-10 6.267E-10 74 1.234E C3 1.856E 00 6.332E-10 5.281E-12 76 1.267E 03 1.889E 0C 6.391E-10 6.391E-10 77 1.283E C3 1.890E 0C 7.315E-03 6.508E-10 4.761E-12 79 1.316E 03 1.908E 0C 6.567E-10 6.629E-10	66	1.103E C	3 1.743E CC	1.074E-02	5.7356-10	6.158E-12
68 1.136E C3 1.770E 00 5.874E-10 69 1.152E C3 1.781E CC 5.941E-10 5.784E-12 70 1.169E 03 1.790E 00 6.012E-10 6.012E-10 71 1.185E C3 1.792E 0C 6.080E-10 72 1.201E 03 1.794E 0C 8.555E-03 6.145E-10 5.257E-12 73 1.218E 03 1.825E 0C 6.267E-10 6.267E-10 74 1.234E 03 1.856E 00 6.332E-10 5.281E-12 76 1.267E 03 1.889E 0C 6.391E-10 77 1.283E 03 1.889E 0C 6.508E-10 4.761E-12 78 1.300E 03 1.899E 0C 7.315E-03 6.508E-10 4.761E-12 79 1.316E 03 1.924E 0C 6.567E-10 6.629E-10	67	1.120E C	3 1.757E CC		5.807E-10	
69 1.152E C3 1.781E CC 9.737E-03 5.941E-10 5.784E-12 70 1.169E 03 1.790E CC 6.012E-10 71 1.185E C3 1.792E 0C 6.080E-10 72 1.201E 03 1.794E 0C 8.555E-03 6.145E-10 5.257E-12 73 1.218E 03 1.825E 0C 6.204E-10 6.267E-10 74 1.234E 03 1.856E 00 6.332E-10 5.281E-12 76 1.267E 03 1.886E CC 8.341E-03 6.332E-10 5.281E-12 76 1.267E 03 1.889E 0C 6.391E-10 6.449E-10 77 1.283E C3 1.890E 0C 7.315E-03 6.508E-10 4.761E-12 79 1.316E 03 1.924E 0C 6.567E-10 6.629E-10 80 1.924E 0C 6.567E-10 6.629E-10 6.629E-10	68	1.136E C	3 1.770E 00		5.874E-10	
70 1.169E 03 1.790E 00 6.012E-10 71 1.185E 03 1.792E 00 6.080E-10 72 1.201E 03 1.794E 00 8.555E-03 6.145E-10 5.257E-12 73 1.218E 03 1.825E 00 6.204E-10 6.267E-10 74 1.234E 03 1.856E 00 6.332E-10 5.281E-12 75 1.250E 03 1.886E 00 6.391E-10 75 1.267E 03 1.889E 00 6.391E-10 76 1.267E 03 1.889E 00 6.508E-10 4.761E-12 76 1.267E 03 1.890E 00 7.315E-03 6.508E-10 4.761E-12 78 1.300E 03 1.908E 00 6.567E-10 6.629E-10 79 1.316E 03 1.924E 00 6.629E-10 6.629E-10	69	1.152E C	3 1.781E CC	9.737E-03	5.941E-10	5.784E-12
71 1.185E C3 1.792E CC 6.080E-10 72 1.201E 03 1.794E CC 8.555E+03 6.145E-10 5.257E-12 73 1.218E 03 1.825E 0C 6.204E-10 6.267E-10 74 1.234E 03 1.856E 00 6.267E-10 75 1.250E C3 1.886E CC 8.341E-03 6.332E-10 5.281E-12 76 1.267E 03 1.889E 0C 6.391E-10 6.449E-10 77 1.283E C3 1.890E 0C 7.315E-03 6.508E-10 4.761E-12 78 1.300E 03 1.908E 0C 6.567E-10 6.567E-10 79 1.316E 03 1.924E 0C 6.629E-10 6.629E-10	70	1.169E C	3 1.790E CC		6.012E-10	
72 1.201E 03 1.794E 00 8.555E=03 6.145E=10 5.257E=12 73 1.218E 03 1.825E 00 6.204E=10 74 1.234E 03 1.856E 00 6.267E=10 75 1.250E 03 1.886E 00 6.332E=10 5.281E=12 76 1.267E 03 1.889E 00 6.391E=10 77 1.283E 03 1.889E 00 6.449E=10 78 1.300E 03 1.809E 00 7.315E=03 6.508E=10 4.761E=12 79 1.316E 03 1.924E 00 6.567E=10 6.629E=10	71	1.185E C	1.792E 0C		6.080E-10	
73 1.218E 03 1.825E 00 6.204E-10 74 1.234E 03 1.856E 00 6.267E-10 75 1.250E 03 1.886E CC 8.341E-03 6.332E-10 5.281E-12 76 1.267E 03 1.889E 00 6.391E-10 6.391E-10 77 1.283E 03 1.889E 00 6.449E-10 78 1.300E 03 1.889E 00 7.315E-03 6.508E-10 4.761E-12 79 1.316E 03 1.908E 00 6.507E-10 6.629E-10 80 1.332E 1.924E 00 6.629E-10 6.629E-10	72	1.201E 0	3 1.794E CC	8.5556-03	6.145E-10	5.257E-12
74 1.234E 03 1.856E 00 6.267E-10 75 1.250E 03 1.886E CC 8.341E-03 6.332E-10 5.281E-12 76 1.267E 03 1.889E 00 6.391E-10 77 1.283E 03 1.889E 00 6.449E-10 78 1.300E 03 1.889E 00 7.315E-03 6.508E-10 4.761E-12 79 1.316E 03 1.924E 00 6.4629E-10 80 1.332E 03 1.924E 00 6.629E-10	73	1.218E 0	3 1.825E 0C		6.204E-10	• • • • • • • • •
75 1.250E 03 1.886E 00 8.341E-03 6.332E-10 5.281E-12 76 1.267E 03 1.889E 00 6.391E-10 77 1.283E 03 1.889E 00 6.449E-10 78 1.300E 03 1.889E 00 7.315E-03 6.508E-10 4.761E-12 79 1.316E 03 1.924E 00 6.507E-10 6.629E-10	74	1.234F C	3 1.856E 00		6.267E-10	
76 1.267E 03 1.889E 00 6.391E-10 77 1.283E 03 1.890E 00 6.449E-10 78 1.300E 03 1.889E 00 7.315E-03 6.508E-10 79 1.316E 03 1.908E 00 6.567E-10 80 1.332E 03 1.924E 00 6.629E-10	75	1.250E C	3 1.886E CC	8.341E-03	6.332E-10	5.281E-12
77 1.283E C3 1.899E 00 6.449E-10 78 1.300E 03 1.889E 00 7.315E-03 6.508E-10 4.761E-12 79 1.316E 03 1.908E 00 6.567E-10 80 1.332E 03 1.924E 00 6.629E-10	76	1.267E 0	3 1.889E 00		6.391E-10	
78 1.300E 03 1.889E 00 7.315E-03 6.508E-10 4.761E-12 79 1.316E 03 1.908E 00 6.567E-10 80 1.332E 03 1.924E 00 6.629E-10	77	1.283E C	3 1.890E 00		6.449E-10	
79 1.316E 03 1.908E 0C 6.567E-10 80 1.332E 03 1.924E 00 6.629E-10	78	1.300F C	1.889E 00	7.315E-03	6-508E-10	4.761E-12
80 1.332E 03 1.924E 00 6.629E-10	79	1.316E 0	1 1.908F 0C		6.567E-10	
	80	1.332E C	3 1.924E CC		6.629E-10	

NO. 5-3 INCIDENT ELECTRON ENERGY 2.5 MEV

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CHANNEL	. 71 ROY V	r	CORR.F	AC T •	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO.DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R+SQ CM./ MEV-ELEC.
81 82	1.345E	03	1.937E 1.959E	00 00	6.690E-03	6.694E-10 6.754E-10	4.479E-12
A 3	1.381F	03	1.981E	CC		6.813E-10	
84	1.398E	(3	2.001E	00	6.224E-03	6.871E-10	4.277E-12
85	1.414E	03	2.001E	00		6.975E-10	
86	1.43CE	03	1.998E	CC		7.073E-10	
87	1.447E	03	1.994E	00	5.3246-03	7.145E-10	3.804E-12
88	1.463E	03	2.024E	00		7.202E-10	
89	1.479E	03	2.061E	00		7.256E-10	
90	1.496E	03	2.091E	00	5.116E-03	7.315E-10	3.742E-12
91	1.512E	C3	2.085E	CC		7.373E-10	
92	1.528E	03	2.068E	CC		7.434E-10	
93	1.545E	13	2.052E	00	4.1728-03	7.499E-10	3.129E-12
94	1.561E	03	2.062E	00		7.560E-10	
95	1.577E	C3	2.085E	CC		7.6208-10	
96	1.594E	03	2.1C4E	00	3.817E-03	7.685E-10	2.933E-12
97	1.610E	03	2.137E	00		7.746E-10	
98	1.626E	03	2.177E	0.0		7.8056-10	
99	1.643E	03	2.202E	00	3.692E-03	7.864E-10	2.903E-12
100	1.659E	C3	2.206E	00		7.9276-10	
101	1.676E	03	2.193E	00		7.9926-10	
102	1.692E	C 3	2.191E	00	3.095E-03	8.051E-10	2.492E-12
103	1.708E	E O	2.204E	00		8.106E-10	
104	1.725E	03	2.231E	3 C		8.159E-10	
105	1.741E	03	2.250E	00	2.8136-03	8.198E-10	2.306E-12
106	1.757E	C3	2.262E	00		8.246E-10	
107	1.774E	03	2.267E	00		8.305E-10	
108	1.790E	63	2.281E	00	2.4586-03	8.3645-10	2.056E-12
109	1.806E	03	2.305E	0.0		8.4256-10	
110	1.823E	r3	2.345E	00		8.491E-10	
111	1.839E	03	2.379E	00	2.324E-03	8.545E-10	1.986E-12
112	1.855E	03	2.410E	00		8.5956-10	
113	1.872E	C3	2.437E	00		8.6415-10	
114	1.888E	C3	2.440E	CC	2.086E-03	8.687E-10	1.812E-12
115	1.904E	03	2.421E	00		8.734E-10	
116	1.921E	C3	2.359E	CC	•	8.7865-10	
117	1.937F	6.9	2.352E	00	1.5456-03	8.839E-17	1.365E-12
118	1.953E	03	2.382E	00		8.8926-10	
119	1.97CE	03	2.477E	00		8.951E-10	
120	1.986E	03	2.541E	00	1.573E-03	8.997E-10	1.416E-12

CHANNI	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
121	2. CC2E C3	2.582E CC		9.0386-10	
122	2.C19E C3	2.586E CC		9.0908-10	
123	2.035E 03	2.584E 00	1.334E-03	9.138E-10	1.219E-12
124	2.052E 03	2.576E 00		9.184E-10	
125	2.068E 03	2.547E 0C		9.230E-10	
176	2.084E 03	2.54CE CC	1.014E-03	9.268E-10	9.402E-13
127	2.101E 03	2.549E 00		9.302E-10	
128	2.117E N3	2.577E 00		9.361E-10	
129	2.133E C3	2.6C9E CC	8.470E-04	9.416E-10	7.976E-13
130	2.150E C3	2.645E 00		9.469E-10	
131	2.166E 03	2.678E 0C		9.515E-10	
132	2.182E C3	2.694E QC	7.030E-04	9.534E-10	6.702E-13
133	2.199E 03	2.686E CO		9.521E-10	
134	2.215E C3	2.637E CC		9.634E-10	
135	2.231E 03	2.618E 00	4.871E-04	9.728E-10	4.739E-13
136	2.248E C3	2.651E CC		9.774E-10	
137	2.264E 03	2.7C8E 0C		9.819E-10	
138	2.280E C3	2.765E 0C	4.035E-04	2.916E-09	1.178E-12
139	2.297E ^3	2.013E CC		8.772E-09	
140	2.313E 03	2.846E 00		5.266E-09	
141	2.329E C3	2.845E 0C	2.588E-04	1.012E-09	3.024E-13
142	2.346E C3	2.759E CC		3.018E-09	
143	2.762E C3	2.569E 00		1.0256-09	
144	2.378E C3	2.402E 00	1.300E-04	1.031E-09	1.341E-13
145	2.395E 03	2.452E CC		1.038E-09	
146	2.411E C3	2.517E CC		1.049E-09	
147	2.428E C3	2.616E 00	9.699E-05	1.061E-09	1.029E-13
148	2.444E 03	2.862E OC		1.068E-09	
149	2.460E C3	3.18CE 00		1.0746-09	
150	2.477E 03	3.487E OC	1.017E-04	1.081E-09	1.099E-13
151	2.493E C3	3.292E OC		1.087E-09	
152	2.509E C3	2.019E 00		0.0	
153	2.526E 03	C.O	0.0	0.0	0.0
154	2.542E 03	0.0		0.0	

CCSE= 1.461E-11 R-SQ.CM./ELECTRON

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T (ACET NO E-4	INCTOENT ELECT	DOM ENCORV	2 6 NEV	
1 4	ARGET NU. 574	INCIDENT ELECT	KUN ENEKUT	COD PEV	
11	I. NET PULSE I	EIGHI SPELIKUP	PULTIPLIED	BY 2 PL SING	PHII CUS(PHII.
	7.5	15.0	30.0	45.0	67.7
	6 9.172E-C2	2 1.468E-01	1.762E-01	1.441E-01	9.401E-02
	9 9.302E-02	2 1.482E-01	1.672E-01	1.3295-01	8.514E-02
1	2 7.446E-02	2 1.192E-C1	1.310E-01	1.040E-01	6.508E-02
1	5 6.071E-02	9.605E-02	1.0385-01	7.965E-02	5.019E-02
3	8 4.901E-02	7.612E-02	8.2535-02	6.382E-02	3.907E-02
2	1 4.201F-02	6.299E-02	6.887F-02	5-101E-02	3-047E-02
2	4 3.480F-C2	5,329F-02	5.487E-02	4.089E-02	2.448E-02
- 3	2 9055-02	4.3595-02	4.5145-02	3.3045-02	1.9445-02
			3 7025-02	2 7615-02	1 5025-02
-	0 2.00 CTU2		3 1455-02	2 - 70 10-02	1 2245-02
			3.1496-02		
		2.0000-02	2.0305-02	1.9196-02	1.0865-02
3	19 1.567E-02	2.351E-C2	2.2865-02	1.6275-02	9.068E-03
4	2 1.368E-02	1.975E-02	1.9816-02	1.370E-02	7.833E-03
4	5 1.194E-02	1.773E-02	1.671E-02	1.1795-02	6.526E-03
4	8 1.036E-02	1.538E-02	1.467E-02	1.023E-02	5.543E-03
5	51 9.135E-03	1.323E-02	1.246E-02	8.820E-03	4.640E-03
5	4 8.338E-03	1.202E-02	1.1C6E-02	7.745E-03	3.920E-03
5	7.368E-03	1.056E-02	9.987E-03	6.524E-03	3.449E-03
6	C 6.344E-03	9.5298-03	8.620E-03	5.7638-03	3.0726-03
6	3 6.053E-03	8.332E-C3	7.524E-03	5.183E-03	2.572E-03
4	6 5.408E-03	7.518E-03	6.727F-03	4.416F-03	2-282E-03
Ē	9 4.826F-02	6-710E-03	5. 900F-03	3.719F-03	1.998F-03
7	2 4.3628-03	5-645E-C3	5.458E-03	3.324E-03	1.777E-03
7	5 3.CARE-01	5.5465-03	4.986E-03	· 3.129E-03	1.4675-03
,	9 3 6405-03	5.100E-03	4.069E=03	2.5645-03	1.3265-03
, 0	1 2.2475-03	4.4836-03	3.6725-03	2.1935-03	1.1426-03
			2 44 65-02	2 2605-02	0 6925-04
	7 2 6605-07		2 9915-02	1 04 35-03	9 2925-04
0	0 2.0405-03		2.0010-00	1.5715-03	
7		3.2102-03	2. 7225-03	1.0710-00	0.0420-04
9	3 2.118t-03	2.0308-03	2.3405-03	1.4505-05	D. 302E-04
9	6 2.010E-03	2.445E-03	2.218E-03	1.2758-03	5.301E-04
. 9	9 1.755E-C3	2.378E-C3	1.815E-03	9.986E-04	4.173E-04
10	2 1.566E-03	1.997E-03	1.6368-03	8.388E-04	4.160E-04
10	5 1.447E-03	1.988E-C3	1.314E-03	7.79 <u>3</u> E-04	3.4026-04
10	8 1.258E-C3	1.633E+03	1.195E-03	6.511E-04	2.4728-04
11	1 1.171E-03	1.453E-03	1.2145-03	4.762E-04	2.180E-04
11	4 9.654E-04	1.165E-03	9.927E-C4	4.333E-04	2.080E-04
11	7 5.778E-C4	1.1746-03	8.0465-04	3.8428-04	1.5158-04
12	0 7.192E-04	1.061E-03	5.954E-04	3.781E-04	1.0926-04
12	3 6.972E-04	8.4268-04	5.151E-04	2.244E-04	6.756E-05
12	6 6.449E-04	6.9296-04	4.629E-04	1-093E-04	5.708E-05
12	9 5.154E-04	5.269E-04	3.382E-04	1.282E-04	4-295E-05
13	2 3.738F-C4	5-286F-04	3-174E-04	1.354E-04	3.712E-05
17	5 3.134F-04	3.362F-04	2.226F-04	7.402F-05	1.600F-05
12	8 2.137F-04	2.974F-C4	1.080F-04	4.6805-05	1.2046-05
14	1 2.0975-04	2.6415-04	5.439F-05	2.0025-05	4.0395-04
14	4 1.3375-04	1.7026-04	6. 604E-05	2.2035-05	6.600E-04
14	7 8 4775	1 0145-04	1.4075-05	1.0095-05	1 2205-04
1 =	0 6.4005-05	5.6045-05	2.0705-05	1.4605-07	1.5946-07
10	2 2 00162402	1 0185-05	1 4075-05	1 4405-07	1 2005-04
	~ ~ . 티 카 티 바 환전 카				

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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	CHANNE	L' ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1	4.074E C1	0.0		4.342E-11	
27.343EC1C. C3.458E-1148.978E0.03.814E-1151.61E022.461E-014.623E-1161.328E029.726E-011.541E-015.526E-1171.388E029.766E-017.572E-1191.715E029.766E-011.596E-018.682E-11101.879EC29.876E-011.596E-018.682E-11112.642E029.864E-019.762E-11122.206E021.601E001.398E-10122.206E021.601E001.398E-10132.369E021.612E001.416E-10142.533E021.024E001.622E-10152.696E021.643E001.628E-10162.860E021.646E001.732E-10163.87E021.626E021.925E-10173.625E021.165E022.028E-10203.613E021.235E002.303E-10213.677E021.252E002.303E-10234.674E021.258E002.303E-10244.674E021.258E002.303E-10254.331E021.258E002.303E-10244.674E021.258E002.492E-10254.331E021.258E002.577E-10 <td< td=""><td>2</td><td>5.709E C1</td><td>¢.0</td><td></td><td>3.475E-11</td><td></td></td<>	2	5.709E C1	¢.0		3.475E-11	
48.978E0.10.03.814E-1151.61E022.461E-014.623E-1161.225E029.026E-016.482E-1171.388E029.869E-016.482E-1191.715E029.876E-011.596E-01101.879E029.876E-019.762E-11112.042E029.895E-011.039E-10122.206E021.024E001.416E-10132.369E021.024E001.416E-10142.533E021.024E001.528E-10162.860E021.043E001.528E-10162.860E021.049E001.732E-10173.023E021.192E001.925E-10183.187E021.152E002.208E-10213.677E1.168E022.210E-10233.640E021.258E03.532E-0224021.229E022.402E-101.527E-11254.331E021.229E022.402E-10264.464E021.229E022.492E-10274.658E021.229E022.492E-10264.821E021.273E022.492E-10274.658E021.229E022.492E-10264.821E021.273E022.492E-10274.658E02 <t< td=""><td>3</td><td>7.343E 01</td><td>c.r</td><td></td><td>3.458E-11</td><td></td></t<>	3	7.343E 01	c.r		3.458E-11	
51.061E2.461E-014.623E-1161.225E029.026E-011.541E-015.526E-1171.388E025.869E-016.482E-1181.552E029.766E-017.572E-1191.715E029.876E-011.596E-018.682E-11101.879E029.84E-011.596E-019.762E-11112.042E029.864E-011.039E-101.516E-11122.206E021.024E001.416E-10132.369E021.024E001.626E-10142.533E021.024E001.626E-10152.696E021.066E001.626E-10163.187E021.064E001.622E-10173.023E021.064E001.622E-10183.187E021.172E001.622E-10193.250E021.128E002.028E-10203.513E021.152E002.303E-10213.677E1.168E007.532E-022.118E-10223.640E021.225E002.303E-10234.064E021.225E002.577E-10244.167E021.235E002.5351E-022.404E-10254.331E021.225E002.5351E-022.655E-10244.67E021.225E002.655E-101.421E-11<	4	8.978E 01	0.0		3.814E-11	
6 1.225E 02 9.726E-01 1.541E-01 5.526E-11 8.517E-12 7 1.388E 02 9.76E-01 6.482E-11 7.572E-11 9 1.715E 02 9.76E-01 1.596E-01 8.682E-11 1.386E-11 10 1.879E 02 9.884E-01 9.762E-11 1.386E-11 11 2.742E 02 5.895E-01 1.039E-10 1.516E-11 12 2.206E 02 1.012E 00 1.270E-01 1.194E-10 1.516E-11 13 2.369E 02 1.024E 00 1.4308E-10 1.516E-11 14 2.533E 02 1.024E 00 1.416E-10 1.586E-11 15 2.696E 02 1.024E 00 1.638E-01 1.586E-11 16 2.860E 02 1.024E 00 1.638E-01 1.594E-11 17 3.023E 02 1.068E 00 1.732E-10 1.594E-11 18 3.187E 02 1.152E 00 2.028E-10 1.594E-11 19 3.350E 02 1.235E 00 7.532E-02 2.118E-10 1.594E-11 19 3.537E 02 1.168E 02 7.532E-02 2.108E-10 1.527E-11 <	5	1.061E 02	2.461E-01		4.623E-11	
71.388E025.869E-016.482E-1181.552E029.766E-011.596E-018.682E-11101.879E029.876E-011.596E-018.682E-11112.642E029.886E-011.039E-10122.206E021.601E011.270E-01132.369E021.024E001.416E-10142.533E021.024E001.416E-10152.696E021.743E001.038E-01162.860E021.066E001.732E-10173.023E021.066E001.732E-10183.187E021.128E001.925E-10203.513E021.128E002.028E-10213.677E1.168E007.532E-022.118E-10223.640E021.235E002.303E-10233.647E021.229E002.303E-10244.167E021.229E002.577E-10254.331E021.273E002.655E-101.421E-11264.691E021.274E002.655E-101.421E-11264.691E021.273E003.632E-101.357E-11315.312E021.335E003.678E-101.357E-11325.475E021.325E003.625E-101.421E-11345.802E021.3	6	1.225E 02	9.026E-01	1.541E-01	5.526E-11	8.517E-12
e1.552E029.766E-017.572E-1191.715E029.876E-011.596E-018.682E-111.386E-11101.879E029.884E-019.762E-111.386E-11112.042E021.012E0.1.308E-101.516E-11132.369E021.012E0.1.308E-101.516E-11142.533E021.024E001.416E-101.586E-11152.696E021.024E001.438E-011.528E-10162.860E021.066E001.622E-101.594E-11173.023E021.089E001.732E-101.594E-11183.187E021.128E001.732E-101.594E-11193.350E021.128E002.028E-101.594E-11213.677E1.168E007.532E-022.118E-101.596E-11223.640E021.215E002.303E-101.527E-11234.004E021.223E002.492E-101.421E-11244.167E021.258E002.577E-101.421E-11254.331E021.238E002.822E-101.421E-11264.694E021.254E002.877E-101.421E-11254.331E021.238E002.822E-101.421E-11264.694E021.232E002.822E-101.357E-11 <t< td=""><td>7</td><td>1.788E 02</td><td>5.8695-01</td><td></td><td>6.482E-11</td><td></td></t<>	7	1.788E 02	5.8695-01		6.482E-11	
9 1.715E 02 5.876E-01 1.596E-01 9.762E-11 10 1.879E 02 5.895E-01 1.039E-10 11 2.026E 02 1.01E 00 1.270E-01 1.194E-10 1.516E-11 13 2.369E 02 1.024E 00 1.40E-10 1.516E-11 13 2.369E 02 1.024E 00 1.416E-10 1.516E-11 14 2.533E 02 1.024E 00 1.439E-10 1.586E-11 16 2.696E 02 1.043E 00 1.732E-10 1.586E-11 16 2.606E 02 1.064E 00 1.732E-10 1.594E-11 19 3.50E 02 1.172E 0 8.749E-02 1.822E-10 1.594E-11 19 3.350E 02 1.152E 00 2.028E-10 1.596E-11 21 3.67E 02 1.162E 02 2.2028E-10 1.596E-11 22 3.640E 02 1.225E 00 6.353E-02 2.404E-10 1.527E-11	6	1.552E 02	9.766E-01		7.572E-11	
101.879EC29.884E-C19.762E-11112.764E0.25.855E-C1 $1.039E-10$ 122.206E0.2 $1.024E$ 0.0 $1.470E-01$ 132.369E0.2 $1.024E$ 0.0 $1.416E-10$ 142.533E0.2 $1.024E$ 0.0 $1.416E-10$ 152.696E0.2 $1.666E$ 0.0 $1.416E-10$ 162.800E0.2 $1.666E$ 0.0 $1.626E-10$ 17 $3.023E$ 0.2 $1.666E$ 0.0 $1.732E-10$ 18 $3.187E$ 0.2 $1.786E-02$ $1.822E-10$ $1.594E-11$ 19 $3.350E$ 0.2 $1.28E$ 0.0 $2.028E-10$ 20 $3.513E$ 7.2 $1.52E$ 0.0 $2.028E-10$ 21 $3.677E$ 7.2 $1.68E$ 0.0 $7.532E-02$ $2.118E-10$ 23 $4.064E$ 7.2 $1.23E$ 0.0 $2.210E-10$ 24 $4.167E$ 0.2 $1.229E$ 0.0 $2.492E-10$ 25 $4.331E$ 0.2 $1.229E$ 0.0 $2.577E-10$ 26 $4.94E$ 0.2 $1.229E$ 0.0 $2.655E-10$ $1.421E-11$ 28 $4.821E$ 0.2 $1.229E$ 0.0 $3.000E-10$ 37 $5.148E$ 0.2 $1.328E$ 0.0 $3.000E-10$ 36 $5.39E$ 0.2 $3.62E-10$ $1.268E-11$ 31 $5.312E$ 0.2 $3.451E-0.2$ $3.62E-10$ 35 $5.66E$ 0.2 $1.328E$ <td>9</td> <td>1.715E C2</td> <td>5.876E-01</td> <td>1.596E-01</td> <td>8.682E-11</td> <td>1.386E-11</td>	9	1.715E C2	5.876E-01	1.596E-01	8.682E-11	1.386E-11
11 $2.(42E + 02)$ $5.895E-01$ $1.073E-10$ 12 $2.206E + 02$ $1.01E + 00$ $1.270E-01$ $1.194E-10$ $1.516E-11$ 13 $2.369E + 02$ $1.022E + 00$ $1.416E-10$ $1.538E-10$ $1.538E-10$ 14 $2.533E + 02$ $1.024E + 00$ $1.038E-01$ $1.528E-10$ $1.586E-11$ 16 $2.860E + 02$ $1.064E + 00$ $1.732E-10$ $1.622E-10$ $1.594E-11$ 17 $3.023E + 02$ $1.07E + 00$ $8.749E-02$ $1.822E-10$ $1.594E-11$ 19 $3.250E + 02$ $1.128E + 00$ $2.028E-10$ $2.028E-10$ 20 $3.613E + 02$ $1.163E + 00$ $2.028E-10$ $1.596E-11$ 21 $3.677E + 02$ $1.168E + 00$ $7.532E-02$ $2.118E-10$ $1.596E-11$ 22 $3.840E + 02$ $1.258E + 00$ $2.303E-10$ $1.527E-11$ 23 $4.004E + 02$ $1.229E + 00$ $2.492E-10$ $1.527E-11$ 24 $4.167E + 02$ $1.229E + 00$ $2.492E-10$ $1.527E-11$ 25 $4.331E + 02$ $1.229E + 00$ $2.822E-10$ $1.421E-11$ 26 $4.494E + 02$ $1.294E + 00$ $2.822E-10$ $1.357E-11$ 37 $5.148E + 02$ $1.335E + 00$ $3.000E-10$ $3.245E-10$ 32 $5.475E + 02$ $1.335E + 00$ $3.078E-10$ $1.268E-11$ 34 $5.802E + 02$ $1.335E + 00$ $3.245E-10$ $1.268E-11$ 34 $5.802E + 02$ $1.335E + 00$ $3.579E-10$ $1.268E-11$ 35 $5.666E + 02$ $1.375E + 00$ 3.57	10	1.8796 C2	9.884E-C1		9.762E-11	
12 2.2060 1.0010 $1.2700-01$ $1.1940-10$ $1.5160-11$ 13 2.3690 1.0120 $1.3080-10$ $1.3080-10$ 14 2.5330 2 1.0240 00 $1.4160-10$ 15 2.6960 2 1.0240 00 $1.4160-10$ 16 2.6960 2 1.0240 00 $1.5280-10$ 16 2.6960 2 1.0240 00 $1.7320-10$ 16 3.1870 2 1.0240 00 $1.7320-10$ 18 3.1870 2 1.1280 00 $1.7320-10$ 20 3.5130 2 1.1280 00 $1.9250-10$ 20 3.5130 2 1.1680 00 $7.5320-02$ $2.1180-10$ 21 3.6770 2.1850 00 $2.3030-10$ 23 8400 2 1.2290 00 $2.4920-10$ 24 4.1670 02 1.2290 00 $2.4920-10$ 24 4.1670 02 1.2290 00 $2.4920-10$ 26 4.9460 2 1.2290 00 $2.4920-10$ 26 4.9460 2 1.2290 00 $2.4920-10$ 27 4.6580 02 1.2290 00 $2.4920-10$ 26 4.9460 2 1.2290 00 $2.8220-10$ 27 4.6580 02 1.2290 00 $2.8220-10$ 27 4.6580 02 1.2290 00 $3.0000-10$ <	11	2.0428 02	5.855E-C1	1 9765 91	1.0398-10	
132.369E fr/21.012E fr/01.308E-10142.533E fr/21.024E fr/d1.038E-011.578E-10152.696E fr/21.066E fr/21.038E-011.578E-10162.860E fr/21.066E fr/21.038E-011.578E-10173.023E fr/21.07E fr/21.626E-101.732E-10183.187E fr/21.107E fr/21.822E-101.594E-11193.350E fr/21.128E fr/21.925E-10203.513E fr/21.152E fr/22.028E-10213.677E fr/21.168E fr/22.028E-1023840E fr/21.203E fr/22.303E-10244.167E fr/21.215E fr/22.303E-02244.167E fr/21.223E fr/22.404E-10254.331E fr/21.223E fr/22.404E-10264.494E 021.245E fr/22.577E-10274.658E 021.258E fr/22.655E-10274.658E 021.273E fr/22.655E-10284.821E 021.273E fr/22.941E-10294.985E 021.294E 002.822E-10375.148E fr/21.302E fr/23.000E-10325.475E fr/21.335E 003.678E-10335.639E 021.376E fr/23.412E-10345.802E fr/21.382E fr/23.245E-10355.966E 021.376E fr/23.412E-10366.129E fr/21.382E fr/23.666E-02366.129E fr/21.382E fr/23.667E-1036 <td< td=""><td>12</td><td>2.206E 02</td><td>I.COLE QU</td><td>1.2/08-01</td><td>1.1946-10</td><td>1.5166-11</td></td<>	12	2.206E 02	I.COLE QU	1.2/08-01	1.1946-10	1.5166-11
142.53520.21.0242001.038E-011.416E-10152.696E0.21.043E0.01.038E-011.528E-101.586E-11162.860E0.21.043E0.01.732E-101.594E-11173.023E0.21.107E0.08.749E-021.822E-101.594E-11193.350E0.21.152E02.028E-101.9925E-101.594E-11203.513E0.21.152E02.028E-101.596E-11213.677E0.21.168E0.07.532E-022.118E-101.596E-11223.840E0.21.203E0.02.303E-101.527E-11234.0C4E0.21.229E0.02.303E-101.527E-11244.167E0.21.229E0.02.577E-101.527E-11254.331E0.21.229E0.02.577E-101.421E-11264.494E0.21.273E0.02.822E-101.421E-11274.658E0.21.273E0.02.822E-101.357E-11315.312E0.21.323E0.03.000E-103.000E-10325.475E0.21.335E0.03.078E-101.268E-11335.639E0.21.335E0.03.245E-101.268E-11345.802E0.21.335E0.03.245E-101.178E-11355.966E0.21.395E0.03.579E-101.178E-1	19	2.3096 02	1.0128 00.		1.3086-10	
152.6966021.6956001.6356-011.9356-10162.8606021.0666001.6266-10173.0236021.0686001.7326-10183.1876021.1286001.9255-10203.5136021.1526002.0286-10213.6776021.1526002.0286-10213.6776021.1686007.5326-02213.6476021.2036072.3036-10238406021.2156006.3536-022.4046-10234.0046021.2296002.5776-10244.1676021.2456002.5776-10254.3316021.2586005.3516-022.6556-10264.6946021.2586002.6556-101.4216-11264.6946021.2736002.8226-101.3576-11274.6586021.2946002.8226-101.3576-11305.1486021.3226003.0786-101.3576-11315.3126021.3356003.24556-101.2686-11345.8026021.3576023.4516-023.6126-101.2686-11355.9666021.3576003.5796-101.1786-11366.1296021.3556003.5796-103.5796-10366.1	14	2.7775 (12	1.0246 00	1 0305-01	1.4102-10	1 6045-11
102.80001.00001.00001.0000173.02300.21.00000.749001.73200183.18700.21.10700.749001.9250001.594000203.51300.21.15200.20280001.925000203.51300.21.168007.5320002.028000213.67700.21.168007.5320002.028000213.67700.21.168007.5320002.028000234.00000.21.203000.3530002.404000244.16700.21.215000.63530002.404000244.16700.21.229002.5777001.527000244.16700.21.229002.57770002.5777000254.33100.21.229002.57770001.421000264.494001.2730002.5777001.42100274.658001.258005.3510002.6550001.42100294.985001.294002.8220003.0000001.42100305.148001.3350003.0700003.0700001.357000315.312001.3350003.0700003.0700001.268000335.639001.3370003.070003.0700001.268000355.966001.370003.451003.5700001.178000366.1290001.3350003.5790003.5790001.1210000386.4560001.4330003.579000 <td>15</td> <td>2.0900 02</td> <td>1.0445.00</td> <td>1.0382-01</td> <td>1.5285-10</td> <td>1. 2005-11</td>	15	2.0900 02	1.0445.00	1.0382-01	1.5285-10	1. 2005-11
17 $3.623E 62$ $1.034E 60$ $1.732E-10$ 18 $3.187E 62$ $1.107E 00$ $8.749E-02$ $1.822E-10$ 19 $3.350E 62$ $1.128E 00$ $1.925E-10$ 20 $3.513E 62$ $1.152E 60$ $2.028E-10$ 21 $3.677E 62$ $1.168E 00$ $7.532E-02$ $2.118E-10$ 23 $840E 62$ $1.203E 60$ $2.210E-10$ 23 $4.064E 62$ $1.203E 60$ $2.303E-10$ 24 $4.167E 62$ $1.229E 60$ $2.492E-10$ 25 $4.331E 62$ $1.229E 60$ $2.492E-10$ 26 $4.494E 02$ $1.229E 60$ $2.577E-10$ 27 $4.658E 02$ $1.258E 00$ $5.351E-02$ $2.655E-10$ 27 $4.658E 02$ $1.258E 00$ $5.351E-02$ $2.655E-10$ 29 $4.985E 02$ $1.294E 00$ $2.822E-10$ 30 $5.148E 62$ $1.322E 00$ $3.000E-10$ 32 $5.475E 02$ $1.322E 00$ $3.000E-10$ 33 $5.639E 02$ $1.335E 00$ $3.678E-10$ 33 $5.639E 02$ $1.347E 00$ $4.010E-02$ $3.162E-10$ 35 $5.966E 02$ $1.370E 00$ $3.451E-02$ $3.412E-10$ 36 $6.129E 02$ $1.395E 00$ $3.579E-10$ 38 $6.456E 02$ $1.413E 00$ $3.579E-10$ 39 $6.620E 02$ $1.437E 00$ $3.066E-02$ 366E-02 $1.437E 00$ $3.736E-10$	10	2.0000 "2	1.0000 00		1.0200-10	
163.167E121.167E102.749E-021.622E-10193.350E1.128E001.925E-10203.513E1.152E002.028E-10213.677E1.168E007.532E-022.118E-10223.840E021.185E002.303E-10234.064E021.215E006.353E-022.404E-10244.167E021.229E002.492E-10254.331E021.229E002.577E-10264.494E021.258E005.351E-022.655E-10274.658E021.273E002.822E-10294.985E021.273E002.822E-10305.148E021.273E002.822E-10315.312E021.308E003.000E-10325.475E021.322E003.000E-10335.639E021.347E004.010E-02345.802E021.357E023.245E-10355.966E021.370E003.627E-10366.129E021.395E003.657E-10376.293E021.395E003.500E-10386.456E021.413E003.579E-10396.620E021.413E003.579E-10396.620E021.413E003.736E-1040 <td< td=""><td>1.0</td><td>3.1075 02</td><td>1.075 00</td><td>9 7405-03</td><td>1. 9225-10</td><td>1 60/6-11</td></td<>	1.0	3.1075 02	1.075 00	9 7405-03	1. 9225-10	1 60/6-11
193.5300012.12001.122001.12200203.51300.21.15200.0280002.028000213.67701.168000.7.5320022.1180001.596000223.84000.21.168000.7.5320022.1180001.596000234.004000.21.203000.3530002.30300001.527000244.1670001.2290000.3530002.4920001.5270002.492000244.1670001.2290000.3530002.4920001.5270001.527000264.4940001.2580005.3510002.5770001.4210001.421000274.6580001.2580005.3510002.6550001.4210001.421000294.9850001.2730002.91300001.421001.4210001.421000294.9850001.2730002.9130001.3570001.3570001.357000305.1480001.3220003.000003.0000001.3570001.357000315.3120001.3350003.00000003.620003.620001.268000335.639000001.337000003.6250003.6260001.2680001.268000345.80200000001.3370000003.4510000003.2450001.1780000355.96660000000000000001.3300000000000000000000000000000000000	10	3 3606 03	1.1076 00	C+ 1495-(12	1.0220-10	1.3945-11
21 $3.677E + 2$ $1.192E + 00$ $2.028E + 10$ $1.596E - 11$ 22 $3.640E + 2$ $1.168E + 00$ $2.210E - 10$ $2.210E - 10$ 23 $4.0C4E + 2$ $1.203E + 00$ $2.303E - 10$ 24 $4.167E + 02$ $1.215E + 00$ $6.353E - 02$ $2.404E - 10$ 25 $4.331E + 02$ $1.229E + 00$ $2.492E - 10$ 26 $4.494E + 02$ $1.245E + 00$ $2.577E - 10$ 27 $4.658E + 02$ $1.258E + 00$ $2.577E - 10$ 28 $4.821E + 02$ $1.273E + 00$ $2.741E - 10$ 29 $4.985E + 02$ $1.294E + 00$ $2.822E - 10$ 30 $5.148E + 02$ $1.308E + 00$ $2.822E - 10$ 31 $5.312E + 02$ $1.322E + 00$ $3.000E - 10$ 32 $5.475E + 02$ $1.335E + 00$ $3.000E - 10$ 33 $5.639E + 02$ $1.347E + 00$ $4.010E - 02$ 34 $5.802E + 02$ $1.357E - 01$ $3.245E - 10$ 35 $5.966E + 02$ $1.370E + 00$ $3.245E - 10$ 36 $6.129E + 02$ $1.382E + 00$ $3.451E - 02$ 37 $6.293E + 02$ $1.395E + 00$ $3.579E - 10$ 38 $6.4656E + 02$ $1.413E + 00$ $3.579E - 10$ 39 $6.620E + 02$ $1.426E + 00$ $3.657E - 10$ 39 $6.620E + 02$ $1.437E + 00$ $3.736E - 10$	20	3.5500 (2	1 1626 00		$1 \cdot 725 = 10$	
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22 $3.676E$ $1.203E$ $1.203E$ $2.210E-10$ 23 $4.0C4E$ 12 $1.203E$ $0C$ $2.303E-10$ 24 $4.167E$ 02 $1.215E$ 00 $6.353E-02$ $2.404E-10$ 25 $4.331E$ 02 $1.229E$ $0C$ $2.492E-10$ 26 $4.494E$ 02 $1.245E$ $0C$ $2.577E-10$ 27 $4.658E$ 02 $1.258E$ $0C$ $2.577E-10$ 27 $4.658E$ 02 $1.258E$ $0C$ $2.655E-10$ $1.421E-11$ 28 $4.821E$ 02 $1.273E$ $0C$ $2.741E-10$ 29 $4.985E$ 02 $1.294E$ $0C$ $2.822E-10$ 30 $5.148E$ 02 $1.322E$ $0C$ $2.913E-10$ 37 $5.148E$ 02 $1.322E$ $0C$ $3.000E-10$ 37 $5.148E$ 02 $1.322E$ $0C$ $3.000E-10$ 37 $5.148E$ 02 $1.335E$ $0C$ $3.000E-10$ 37 $5.148E$ 02 $1.335E$ $0C$ $3.628E-10$ 37 $5.639E$ 02 $1.335E$ $0C$ $3.245E-10$ 33 $5.639E$ 02 $1.370E$ $0C$ $3.500E-10$ 34 $5.802E$ 02 $1.395E$ $0C$ $3.500E-10$ 36 $6.129E$ 02 $1.395E$ $0C$ $3.579E-10$ 38 $6.456E$ 02 $1.426E$ $0C$ $3.657E-10$ 39 $6.620E$ 02 $1.437E$	22	3 RANE 02	1.1855 00	1.3326-02	2.2105-10	1.9902-11
24 4.167E 02 1.215E 00 6.353E-02 2.404E-10 1.527E-11 25 4.331E 02 1.229E 00 2.492E-10 2.492E-10 26 4.494E 02 1.245E 00 2.577E-10 1.421E-11 26 4.494E 02 1.258E 00 5.351E-02 2.655E-10 1.421E-11 27 4.658E 02 1.273E 00 2.741E-10 1.421E-11 28 4.821E 02 1.273E 00 2.822E-10 1.421E-11 29 4.985E 02 1.294E 00 2.822E-10 1.357E-11 31 5.312E 02 1.322E 00 3.000E-10 1.357E-11 31 5.312E 02 1.335E 00 3.078E-10 1.268E-11 33 5.639E 02 1.337CE 00 4.010E-02 3.162E-10 1.268E-11 34 5.802E 02 1.37CE 00 3.245E-10 1.178E-11 35 5.966E 02 1.395E 00 3.50	23	4.0C4F 02	1.2036 00		2.3036-10	
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26 $4.494E$ 02 $1.245E$ 00 $2.577E-10$ 27 $4.658E$ 02 $1.258E$ 00 $5.351E-02$ $2.655E-10$ $1.421E-11$ 28 $4.821E$ 02 $1.273E$ 00 $2.741E-10$ $2.741E-10$ 29 $4.985E$ 02 $1.294E$ 00 $2.822E-10$ 30 $5.148E$ 02 $1.308E$ 00 $4.659E-02$ $2.913E-10$ 31 $5.312E$ 02 $1.322E$ 00 $3.000E-10$ 32 $5.475E$ 02 $1.335E$ 00 $3.078E-10$ 33 $5.639E$ 02 $1.347E$ 00 $4.010E-02$ $3.162E-10$ 34 $5.802E$ 02 $1.357E$ 00 $3.245E-10$ 35 $5.966E$ 02 $1.370E$ 00 $3.245E-10$ 36 $6.129E$ 02 $1.395E$ 00 $3.500E-10$ 36 $6.129E$ 02 $1.395E$ 00 $3.579E-10$ 36 $6.456E$ 02 $1.413E$ 00 $3.579E-10$ 39 $6.620E$ 02 $1.426E$ 00 $3.657E-10$ 40 $6.783E$ 02 $1.437E$ 00 $3.736E-10$	25	4.331E 02	1.229E 00	0.5552-02	2.4926-10	1. 5272-11
27 4.658E 02 1.258E 0C 5.351E-02 2.655E-10 1.421E-11 28 4.821E 02 1.273E 0C 2.741E-10 29 4.985E 02 1.294E 0C 2.822E-10 30 5.148E 02 1.308E 0C 4.659E-02 2.913E-10 1.357E-11 31 5.312E 02 1.322E 0C 3.000E-10 3.000E-10 32 5.475E 02 1.335E 0C 3.078E-10 1.268E-11 33 5.639E 02 1.347E 0C 4.010E-02 3.162E-10 1.268E-11 34 5.802E 02 1.347E 0C 4.010E-02 3.162E-10 1.268E-11 35 5.966E 02 1.347E 0C 3.245E-10 3.245E-10 36 6.129E 02 1.395E 0C 3.500E-10 1.178E-11 37 6.293E 02 1.395E 0C 3.500E-10 1.121E-11 38 6.456E 02 1.413E 0C 3.657E-10 1.121	26	4.494F 02	1.245E 00		2.5776-10	
28 4.821E 02 1.273E 0 2.741E-10 29 4.985E 02 1.294E 00 2.822E-10 30 5.148E 02 1.308E 00 4.659E-02 2.913E-10 1.357E-11 31 5.312E 02 1.322E 00 3.000E-10 3.000E-10 32 5.475E 02 1.335E 00 3.078E-10 1.268E-11 33 5.639E 02 1.347E 00 4.010E-02 3.162E-10 1.268E-11 34 5.802E 02 1.357E 00 3.245E-10 3.245E-10 35 5.966E 02 1.370E 00 3.412E-10 1.178E-11 37 6.293E 02 1.395E 00 3.500E-10 3.500E-10 36 6.456E 02 1.413E 00 3.579E-10 3.579E-10 39 6.620E 02 1.437E 00 3.657E-10 1.121E-11 40 6.783E 02 1.437E 00 3.736E-10 3.736E-10	27	4.658E 02	1.258E 00	5.351E-02	2.6555-10	1.4216-11
29 4.985E 02 1.294E 00 2.822E-10 30 5.148E 02 1.308E 00 4.659E-02 2.913E-10 1.357E-11 31 5.312E 02 1.322E 00 3.000E-10 3.000E-10 32 5.475E 02 1.335E 00 3.078E-10 1.268E-11 33 5.639E 02 1.347E 00 4.010E-02 3.162E-10 1.268E-11 34 5.802E 02 1.357E 00 3.042E-10 1.268E-11 34 5.802E 02 1.357E 00 3.245E-10 1.268E-11 35 5.966E 02 1.370E 00 3.324E-10 1.178E-11 37 6.293E 02 1.395E 00 3.500E-10 1.178E-11 37 6.293E 02 1.413E 00 3.579E-10 3.579E-10 38 6.456E 02 1.426E 00 3.657E-10 1.121E-11 40 6.783E 02 1.437E 00 3.736E-10 1.121E-11 <td>28</td> <td>4.821F 02</td> <td>1.273E CC</td> <td></td> <td>2.741E-10</td> <td>1.4616-11</td>	28	4.821F 02	1.273E CC		2.741E-10	1.4616-11
30 5.148E 02 1.308E 00 4.659E-02 2.913E-10 1.357E-11 31 5.312E 02 1.322E 00 3.000E-10 32 5.475E 02 1.335E 00 3.000E-10 33 5.639E 02 1.347E 00 4.010E-02 3.162E-10 1.268E-11 34 5.802E 02 1.357E 00 4.010E-02 3.162E-10 1.268E-11 34 5.802E 02 1.357E 00 4.010E-02 3.162E-10 1.268E-11 35 5.966E 02 1.357E 00 3.245E-10 3.245E-10 35 5.966E 02 1.377E 00 3.412E-10 1.178E-11 37 6.293E 02 1.395E 00 3.500E-10 3.500E-10 38 6.456E 02 1.413E 00 3.579E-10 1.121E-11 40 6.783E 02 1.437E 00 3.736E-10 1.121E-11	29	4.985E C2	1.294E 00		2.8226-10	
31 5.312E C2 1.322E C0 3.000E-10 32 5.475E C2 1.335E C0 3.000E-10 33 5.639E 02 1.347E C0 4.010E-02 3.162E-10 1.268E-11 34 5.802E C2 1.358E C0 3.245E-10 3.245E-10 35 5.966E 02 1.370E CC 3.324E-10 36 6.129E C2 1.382E CO 3.451E-02 3.412E-10 1.178E-11 37 6.293E 02 1.395E 0C 3.500E-10 1.178E-11 37 6.293E 02 1.413E 00 3.579E-10 1.121E-11 39 6.620E 02 1.426E 02 3.657E-10 1.121E-11 40 6.783E 02 1.437E 00 3.736E-10 1.121E-11	30	5.148E C2	1.308E 00	4.659E-02	2.9136-10	1-3576-11
32 5.475E C2 1.335E 00 3.078E-10 33 5.639E 02 1.347E 00 4.010E-02 3.162E-10 1.268E-11 34 5.802E C2 1.358E C0 3.245E-10 3.324E-10 35 5.966E 02 1.370E CC 3.324E-10 1.178E-11 36 6.129E C2 1.382E CO 3.451E-02 3.412E-10 1.178E-11 37 6.293E 02 1.395E 0C 3.500E-10 3.500E-10 38 6.456E 02 1.413E 00 3.579E-10 3.121E-11 39 6.620E 02 1.426E 02 3.657E-10 1.121E-11 40 6.783E 02 1.437E 02 3.736E-10	31	5.712F C2	1.322F 00		3-000E-10	
33 5.639E 02 1.347E 00 4.010E-02 3.162E-10 1.268E-11 34 5.802E 02 1.358E 00 3.245E-10 35 5.966E 02 1.370E 00 3.324E-10 36 6.129E 02 1.382E 00 3.451E-02 3.412E-10 1.178E-11 37 6.293E 02 1.395E 00 3.500E-10 3.579E-10 38 6.456E 02 1.413E 00 3.579E-10 1.121E-11 40 6.783E 02 1.437E 00 3.736E-10 1.121E-11	32	5.475E C2	1.335F 00		3.078E-10	
34 5.802E C2 1.358E CC 3.245E-10 35 5.966E 02 1.370E CC 3.324E-10 36 6.129E C2 1.382E CO 3.451E-02 3.412E-10 1.178E-11 37 6.293E 02 1.395E 0C 3.500E-10 3.579E-10 38 6.456E 02 1.413E 00 3.579E-10 1.121E-11 39 6.620E 02 1.426E 0C 3.657E-10 1.121E-11 40 6.783E 02 1.437E 0C 3.736E-10	33	5.639E 02	1.347E CO	4.010E-02	3-162E-10	1.268E-11
35 5.966E 02 1.37CE CC 3.324E-10 36 6.129E C2 1.382E CO 3.451E-C2 3.412E-10 1.178E-11 37 6.293E C2 1.395E CC 3.500E-10 3.579E-10 38 6.456E C2 1.413E CO 3.579E-10 3.579E-10 39 6.620E C2 1.426E CC 3.066E-02 3.657E-10 1.121E-11 40 6.783E C2 1.437E C 3.736E-10	34	5.802E C2	1.358E CO		3.245F-10	
36 6.129E C2 1.382E C0 3.451E-C2 3.412E-10 1.178E-11 37 6.293E C2 1.395E CC 3.500E-10 38 6.456E C2 1.413E CO 3.579E-10 39 6.620E C2 1.426E CC 3.657E-10 1.121E-11 40 6.783E C2 1.437E CC 3.736E-10	35	5.966E 02	1.37CE CC		3.324E-10	
37 6.293E 02 1.395E 0C 3.500E-10 38 6.456E 02 1.413E 00 3.579E-10 39 6.620E 02 1.426E 0C 3.657E-10 1.121E-11 40 6.783E 02 1.437E 0C 3.736E-10	36	6.129E C2	1.382E CO	3.451E-C2	3.412E-10	1.178E-11
38 6.456E 02 1.413E 00 3.579E-10 39 6.620E 02 1.426E 00 3.066E-02 3.657E-10 1.121E-11 40 6.783E 02 1.437E 00 3.736E-10	37	6.293E 02	1.395E 0C		3.500E-10	
39 6.620E C2 1.426E CC 3.066E-02 3.657E-10 1.121E-11 40 6.783E C2 1.437E CC 3.736E-10	38	6.456E C2	1.413E CO		3.5796-10	
40 6.783E C2 1.437E CC 3.736E-10	39	6.620E 02	1.426E CC	3.066E-02	3.657E-10	1.121E-11
	40	6.783E C2	1.437E 00	-	3.736E-10	

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CHANNEL	ENERG Kev	Y	CORR	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	6.947E	02	1.448E	00		3.814E-10	
42	7.11CE	02	1.457E	00	2.680E-C2	3.906E-10	1.047E-11
43	7.273E	02	1.466E	00		4.000E-10	
44	7.437E	C2	1.474E	00		4.072E-10	
45	7.60CE	02	1.485E	CC	2.348E-02	4.152E-10	9.750E-12
46	7.764F	02	1.498E	00		4.236E-10	
47	7.927E	02	1.512E	00		4.308E-10	
48	8.C91E	C S J	1.525E	Cr	2.092E-02	4.391E-10	9.186E-12
49	8.254E	n 2	1.535E	ŨŬ		4.482E-10	
50	8.418E	02	1.540E	00		4.554E-10	
51	8.581E	02	1.550E	00	1.820E-02	4.629E-10	8.426E-12
52	8.745E	<u>^2</u>	1.564E	00		4.707E-10	
53	8.908E	02	1.581E	00		4.780E-10	
54	9.072E	r 2	1.597E	00	1.662E-02	4.857E-10	8.072E-12
55	9.235E	C2	1.611E	00		4.942E-10	
56	9.399E	02	1.621E	00		5.015E-10	
57	9.562E	02	1.632E	CC	1.490E-02	5.090E-10	7.585E-12
58	9.726E	C 2	1.645E	00	_	5.168E-10	
59	9.889E	C 2	1.655E	CC	-	5.241E-10	
60	1.005E	C3	1.667E	90	1.339E-02	5.313E-10	7.115E-12
61	1.022E	r 3	1.681E	00		5.385E-10	
62	1.038E	C3	1.693E	CC		5.457E-10	
63	1.054E	03	1.7C6E	00	1.210E-02	5.529E-10	6.688E-12
64	1.071E	03	1.721E	0.0		5.601E-10	
65	1.087E	03	1.733E	00		5.668E-10	
66	1.103E	03	1.744E	0.0	1.C94E-02	5.735E-10	6.272E-12
67	1.120E	C3	1.754E	00		5.807E-10	
68	1.136F	03	1.759E	0.0		5.874E-10	
69	1.152E	63	1.765E	00	9.670E-03	5.941E-10	5.745E-12
70	1.169E	n 3	1.782E	00		6.012E-10	
71	1.185E	r i	1.794E	00		6.080E-10	
72	1.201E	03	1.8C6E	0C	8.824E-C3	6.145E-10	5-4228-12
73	1.218F	C3	1.833E	CC .		6-204E-10	
74	1.234F	03	1.861F	00		6.267E-10	
75	1.250F	63	1.890F	00	8-5235-03	6.332E-10	5.3975-12
76	1.267F	61	1.889F	0.0		6.391F-10	J. J. J. J. L 1 L
77	1.283F	63	1.886F	00		6.449E-10	
78	1.300F	C3	1.880F	rr.	7.305E-03	6.508E-10	4.754F-12
79	1.316F	63	1.894F	00		6.567E-10	·•·/·L-12
80	1.332F	03	1.902F	20		6.629E-10	
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CHANNEL	ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
81	1.345E 03	1.905E CC	6.512E-03	6.694E-10	4.359E-12
P 2	1.365E 03	1.944E 00		6.754E-10	
83	1.381E C3	1.984E CC		6.813E-10	
84	1.398E 03	2.023E 00	6.511E-03	6.871E-10	4.474E-12
85	1.414E 03	2.023E 00		6.975E-10	
86	1.430E ^3	2.016E 0C		7-0736-10	
87	1.447E 03	2.011E 00	5.5846-03	7.145E-10	3.990E-12
98	1.463E 03	2.019E 00		7.202E-10	
89	1.479E C3	2.029E 00		7.256E-10	
ġ Ŋ	1.496E C3	2.036E 00	4.950E-03	7.315E-10	3.621E-12
91	1.512E 03	2.056E 00		7.373E-10	
92	1.528E 03	2.080E CC		7.434E-10	
93	1.545E 03	2.100E CC	4.610E-03	7.499E-10	3.457E-12
94	1.561E 03	2.117E 0C		7.56CE-10	
95	1.577E 03	2.133E OC		7.620E-10	
96	1.594E C3	2.144E CC	4.184E-03	7.685E-10	3.216E-12
97	1.610E 03	2.147E 00		7.746E-10	
96	1.626E C3	2.145E 0C		7.805E-10	
99	1.643E 03	2.144E 0C	3.552E-03	7.864E-10	2.793E-12
100	1.659E 03	2.155E CC		7.927E-10	
101	1.676E 03	2.177E CC		7.992E-10	
1^2	1.692E ^3	2.197E CC	3.2026-03	8.051E-10	2.578E-12
103	1.708E 03	2.222E CC		8.106E-10	
104	1.725E M3	2.251E CC		8.1596-10	
105	1.741E 03	2.269E CO	2.956E-03	8.198E-10	2.423E-12
1^6	1.757E C3	2.276E CC		8.246E-10	
107	1.774E 03	2.272E CC		8.305E-10	
108	1.790E 03	2.280E CC	2.518E-03	8.364E-10	2.106E-12
109	1.806E C3	2.303E 0C		8.4256-10	
110	1.823E 03	2.344E CC		8.491E-10	
111	1.839E 03	2.368E 00	2.3586-03	8.545E-10	2.015E-12
112	1.8558 03	2.379E CC		8.595E-10	
113	1.872E C3	2.369E CC		8.641E-10	
114	1.888E 03	2.379E CC	1.990E-03	8.687E-10	1.728E-12
115	1.904E 03	2.403E 0C		8.734E-10	
116	1.921E C3	2.450E CC		8.786E-10	
117	1.937E 03	2.483E 00	1.860E-03	8.839E-10	1.644E-12
118	1.953E 03	2.507E CC		8.892E-10	
119	1.97CE 03	2.510E CC		8.951E-10	
120	1.986E C3	2.507E CC	1.556E-03	8.997E-10	1.400E-12

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CHANNE	L ENERGY KEV	CORR	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
121	2.002E 0	3 2.498E	C C		9.038E-10	
122	2.019E 0	3 2.472E	C C		9.09CE-10	
123	2.035E 0	3 2.481E	00	1.209E-03	9.138E-10	1.105E-12
124	2.052E 0	3 2.514E	00		9.184E-10	
125	2.068E 0	3 2.584F	C C		9.230E-10	
126	2.084E 0	3 2.613E	ec	1.113E-03	9.268E-10	1.032E-12
127	2.101E C	3 2.608E	CC		9.302E-10	
128	2.1178 0	3 2.537E	ac		9.361E-10	
125	2.133E 0	3 2.532E	ůc.	7.574E-r4	9.416E-10	7.509E-13
130	2.15CE C	3 2.593E	~ r r		9.469E-10	
171	2.166E 0	3 2.744E	00		9.515E-10	
132	2.182E 0	3 2.826E	00	8.2742-04	9.534E-10	(•888E-13
133	2.1995	3 2.821E	CC		9.5216-10	
134	2.2155 0	3 2.719E	CC	c	9.6346-10	
135	2.2316 0	3 2.634E	00	5.1196-04	9.728E-10	4.980E-13
136	2.248E 0	3 2.591E	90		9.7742-10	
127	2.2045 0	3 2.538E	CC C		9.8195-10	
138	2.280E C	3 2.530E	00	3.337E-04	2.9165-09	9.730E-13
139	2.2978 0	3 2.018E	00		8.7725-09	
140	2.3135 0	3 2.741E		2 1105 04	5.26CE-09	2 1665.12
141	2.3295 0	7 2.671E		5.1185-94	1.0125-09	5.1555-15
142	2.3465 0	2 2 9UZE	00		1.0185-09	
145	2.502E C	2 2 9 3 GE	00	2 2215 0/	1.0225-09	3 3015 13
144	2.3785 0	3 2.923E	00	2.231E=114	1.0305.00	2.3016-13
145	2+3935 0		00		1.0405-00	
140	2+4110 0		00	0 0505 05	1.0(15.00	0 (105 14
147	2.4285 0		00	9.0000000	1.0695-09	A*010C-14
140	2.4445	3 2.0470				
149	2.4002 9	3 2.CCCC		4 5005-05	1.0015-00	7 1205-14
1-11	2.4110 0		00	0.0095-10	1.0075-00	/+IZUE=14
101	2.4935 0	3 2.000Ct	<u> </u>		1*0815-08	
172	2.0098 0		5 C	0 0	0.0	0 0
175	2.5202 0	3 0.0		€eU	0.0	0.0
194	2.0742E C	5 6.65			12.01V	

DCSE= 1.494E-11 R-SQ.CM./ELECTRON

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TAR	GET NO. 5-5	INCIDENT ELECT	RON ENERGY	2.5 MEV	
CH.	NET PULSE H	HEIGHT SPECTRUM	PULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI).
	7.5	15.0	30.0	45.0	60.0
6	8.751E-02	2 1.640E-01	1.835E-01	1.521E-01	9.749E-02
9	-9.070E-02	2 1.561E-01	1.728E-01	1.407E-01	8.817E-02
12	7.390E-02	2 1.251E-01	1.362E-01	1.0965-01	6.8395-02
15	5.966E-02	2 9.936E-0?	1.081E-01	8.411E-02	5.258E-02
18	4.839E-0	2 8.073E-02	8.4895-02	6.654E-02	4.079E-02
21	4.030E-02	2 6.605F-02	6.935E-02	5.406E-02	3.246E-02
24	3.3638-02	2 5.446E-C2	5.7208-02	4.356E-02	2.562E-02
27	2.846E-0	2 4.534E-02	4.633E-02	3.476E-02	2.071E-02
30	2.416E-02	2 3.868F-02	3.994E-02	2.901E-02	1.693E-02
33	2.049E-0	2 3.262E-02	3.319E-02	2.392E-02	1.390E-02
36	1.767E-02	2 2.742E-02	2.833E-02	1.990E-02	1.15°E-02
39	1.553E-0	2 2.376E-02	2.4235-02	1.736E-02	9.505E-03
42	1.3546-0	2 2.108E-02	2.040E-02	1.444E-02	7.973E-03
45	1.170E-02	2 1.828E-02	1.7786-02	1.260E-02	6.938E-03
48	1.031E-02	2 1.591E-02	1.544E-02	1.046E-02	5.871E-03
51	9.236E-0	3 1.403E-02	1.299E-02	9.596E-03	4.990E-03
54	8.078F-0	3 1.240E-02	1.165E-02	7.885E-03	4.428E-03
57	7.267E-0	3 1.119E-02	1.007E-02	7.258E-03	3.780E-03
60	6.574E-C	3 9.833E-03	9.204E-03	6.332E-03	3.244E-03
63	5.9476-0	3 8.484E-C3	8.226E-03	5.433E-03	2.7655-03
66	5.368E-0	3 7.788E-03	7.1656-03	4.7378-03	2.513E-03
69	4.878E-C	3 6.987E-03	6.544E-03	4.2748-03	2.151E-03
72	4.403E-0	3 6.514E-03	5.603E-03	3.840E-03	1.910E-03
75	3.943E-0	3 5.696E-03	5.019E-03	3.317E-03	1.695E-03
78	3.572E-C	3 4.993E-03	4.649E-03	2.811E-03	1.455E-03
81	3.236E-C	3 4.9225-03	4.044E-03	2.485E-03	1.302E-03
84	3.C28E-0	3 4.286E-03	3.496E-03	2.325E-03	1.100E-03
97	2.710E-0	3 3.636E-03	3.279E-03	1.912E-03	9.4816-04
90	2.485E-0	3 3.513E-03	2.7965-03	1.766E-03	7.846E-04
93	2.324E-0	3 3.104F-03	2.643E-03	1.609E-03	7°086E~04
96	1.9476-0	3 2.771E-03	2.2655-03	1.334E-03	5.917E-04
99	1.899E-^	3 2.444E-03	1.962E-03	1.179E-03	4.707E-04
102	1.655E-C	3 2.212E-03	1.694E-03	1.077E-03	4.669E-04
105	1.422E-C	3 1.936E-03	1.676E-03	8.336E-04	3.831E-04
108	1.311E-C	3 1.9538-03	1.387E-03	7.102E-04	3.268E-04
111	1.225E-0	3 1.495E-03	1.255E-03	6.579E-04	2.554E-04
114	1.067E-0	3 1.363E-03	1.017E-03	4.5798-04	1.994E-04
117	9.406E-0	4 1.145E-C3	7.800E-04	4.075E-04	2.144E-04
120	8.289E-0	4 9.769E-04	7.421E-04	3.552E-04	1.311E-04
123	6.418E-0	4 8.168E-04	6.090E-04	2.8326-04	1.089E-04
126	6.615E-C	4 8.268E-04	4.4198-04	2.624E-04	7.9258-05
129	4.387E-C	4 6.305E-04	4.766E-04	1.6246-04	4.918E-05
132	4.914E-0	4 5.029E-04	3.190E-04	1.443E-04	5.308E-05
135	3.954E-0	4 4.9558-04	2.478E-04	1.2576-04	1.843E-05
138	2.692E-0	4 3.658E-C4	1.601E-04	8.440E-05	1.802E-05
141	2.467E-0	4 2.648E-C4	1.354E-04	6.421E-05	2.218E-05
144	1.815E-0	4 1.538E-C4	1.122E-04	3.411E-05	5.627E-06
147	1.2498-0	4 1.°44E-C4	7.708E-05	1.8196-05	1.469E-06
150	7.693E-0	5 6.283E-05	1.5656-05	7.094E-06	1.403E-05
153	3.84CE-0	5 4.529E-05	1.973E-05	6.821E-06	1.6636-07

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	4.074E C1	0.0		4.342E-11	
2	5.709E 01	0°0		3.475E-11	
3	7.343E 01	C•0		3.45PE-11	
4	8.978E 01	C+U		3.814E-11	
5	1.061E 02	2.464E-01		4.623E-11	
6	1.225E 02	5.033E-01	1.6216-01	5.526E-11	8.958E-12
7	1.388E 02	9.873E-01		6.48?E-11	
8	1.552E 02	9.765E-C1		7.572E-11	
9	1.715E C2	9.868E-01	1.659E-01	8.682E-11	1.441E-11
10	1.879E C2	9.879E-01		9.762E-11	
11	2.042E 02	5.899E-C1		1.0396-10	
12	2.206E 02	1.002E 00	1.326E-01	1.194E-10	1.584E-11
13	2.369E 02	1.012E 00		1.308E-10	
14	2.533E ^2	1.023E 00		1.416E-10	
15	2.696E 02	1.042E CO	1.080E-01	1.528E-10	1.6508-11
16	2.860E 02	1.065E 00		1.626E-10	
17	3.0236 02	1.085E 00		1.732E-10	
18	3.187E C2	1.106E 0C	9.075E-02	1.822E-10	1.653E-11
Ĭd	3.350E 02	1.127E CC		1.925E-10	
20	3.513E C2	1.151E 00		2.028E-10	
21	3.677E 02	1.167E 00	7.786E-02	2.118E-10	1.6498-11
22	3.840E 02	1.184E 00		2.21PE-10	
23	4.004F 02	1.202E 00		2.303E-10	
24	4.167E 02	1.215E CC	6.601E-02	2.404E-10	1.5876-11
25	4.331E 02	1.229E 00		2.492E-10	
26	4.494E 02	1.244E CC		2.5776-10	
27	4.658E 02	1.2568 00	5.5498-02	7.655E-10	1.4736-11
28	4.821E 02	1.272E CO		2.741E-10	
29	4.985E CZ	1.294E CO		2.8225-10	
30	5.148E C2	1.309E 00	4.8861-02	2.9136-10	1.4?3E=11
31	5.312E 02	1.322E Cr		3.0008-10	
32	5.475E CZ	1.334F CO		3.078E-10	
33	5.639E MZ	1.345E 90	4.1/36-02	3.162E-10	1.320E-11
34	5.802E 02	1.356E CG		3.245E-10	
35	5.966E 12	1.379E CC		3.324E-L0	
36	6.129E 02	1.387E CC	2.9663E-05	3.412E=10	t.232E=11
37	6.293F PZ	1.3955 70		3+590E-10	
78	6.456E 02	1.412E CC		3.579E-10	
PΓ	6.6ZNE NZ	1.4258 00	2.05 IARE-05	5.657E-10	1.170E-11
40	6.783E C2	1.435E OC		3.736E-10	

CHANNE	L ENERG Kev	Y	CORR	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	6.947E	02	1.443E	00	2 7725-02	3.814E-10	1.0935-11
42	7 9735	02	1 4436	00	201125-02	4 000E-10	1.00000-11
44	7 4376	02	1.4755	00		4 0725-10	
47	7.6005	02	1 4975	00	2 4705-02	4.1525-10	1.0255-11
4.6	7.7645	02	1.4995	00		4.736E-10	
40	7.9275	02	1.50AE	00		4.308E-10	
4.8	8.0916	02	1.5165	00	2.1575-02	4.391E-10	9.4725-12
49	8.254E	02	1.529E	CC		4.482E-10	
50	8.418F	02	1.543E	čč		4.554F-10	
51	8.581F	02	1.555F	00	1.9356-02	4.629E-10	8-959E-12
52	8.745E	02	1.567E	00		4.707E-10	
53	8.908E	02	1.576E	00		4.78CE-10	
54	9.C72E	02	1.588E	0C	1.721E-02	4.857E-10	8.359E-12
55	9.235E	02	1.602E	00		4.942E-10	
5 6	9.399E	02	1.616E	00		5.015E-10	
57	9.562E	02	1.630E	00	1.570E-02	5.090E-10	7.991E-12
58	9.726E	02	1.645E	CO		5.168E-10	
59	5.889E	02	1.658E	CC		5.241E-10	
60	1.005E	03	1.67°E	00	1.4265-02	5.313E-10	7.575E-12
61	1.022E	03	1.681E	00		5.385E-10	
62	1.038E	03	1.688E	0.0		5.457E-10	
63	1.C54E	03	1.697E	0.0	1.2668-02	5.529E-10	6.998E-12
64	1.071E	C3	1.712E	00		5.601E-10	
65	1.C87E	03	1.723E	00		5.668E-10	
^6	1.103E	^3	1.734E	0.0	1.150E-02	5.735E-10	6.595E-12
67	1.120E	03	1.750E	00		5.807E-10	
68	1.136E	03	1.765E	00		5.874E-10	
69	1.152E	C3	1.78°E	00	1.061E-02	5.941E-10	6.305E-12
70	1.169E	03	1.795E	00		6.012E-10	
71	1.185E	63	1.809E	0.0		6.080E-10	
72	1.201E	^3	1.823E	0 Ç	9.6926-03	6.145E-10	5.956E-12
73	1.218E	03	1.834E	00		6.204E-10	
74	1.234E	03	1.843E	Q C		6.267E-10	
75	1.250E	03	1.851E	0.0	8.679E-03	6.332E-10	5.495E-12
76	1.267E	03	1.864E	CO		6.391E-10	
77	1.283E	63	1.874E	00		6.449E-10	
78	1.300E	n 3	1.879E	00	7.799E-03	6.508E-10	5.076E-12
79	1.316E	03	1.904E	00		6.567E-10	
80	1.332E	03	1.926E	0.0		6.629E-10	

CHANNEL	. ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
82	1.365E O	3 1.558E CC		6.754E-10	
83	1.381E O	3 1.970E 00		6.813E-10	
94	1.398E 0	3 1.980E 00	6.607E-03	6.871E-10	4.540E-12
85	1.414E 0	3 1.988E CC		6.975E-10	
86	1.430E 0	3 1.993E 00		7.073E-10	
87	1.447E 0	3 1.995E 0C	5.829E-03	7.145E-10	4.165E-12
88	1.463E 0	3 2.011E 0C		7.202E-10	
89	1.479E C	3 2.C29E CC		7.256E-10	
97	1.496E ()	3 2.044E 00	5.366E-03	7.315E-10	3.925E-12
91	1.512E C	3 2.069E NN		7.373E-10	
92	1.528E 0	3 2. 196E 00		7.434E-10	
93	1.545E C	3 2.119E 0C	5.099E-03	7.499E-10	3.824E-12
94	1.561E 01	3 2.12CE 00		7.560E-10	
95	1.577E 0	3 2.112E 0C		7.62CE-10	
96	1.594E C	3 2.107E QQ	4.3356-03	7.685E-10	3.332E-12
97	1.610E 0	3 2.116E 00		7.746E-10	
9.8	1.626E C	3 2.132E 0C		7.805E-10	
99	1.643E 0	3 2.145E 00	3.881E-03	7.864E-10	3.052E-12
100	1.659E 0	3 2.166E 00		7.927E-10	
101	1.676E 0	3 2.192E OC		7.992E-10	
102	1.692E 0	3 2.211E OG	3.5906-03	8.051E-10	2.890E-12
103	1.708E 0	3 2.226E 00		8.106E-10	
104	1.725E 01	3 2.237E 00		8.159E-10	
105	1.741E 01	3 2.251E GO	3.213E-03	8.198E-10	2.634E-12
106	1.757E 03	3 2.272E 0°		8.246E-10	
107	1.774E C	3 2.300E 0C		8.305E-10	
108	1.790E 03	B 2.324E 00	2.957E-03	8.364E-10	2.473E-12
179	1.806E 01	3 2.344E CC		8.425E-10	
110	1.823E 01	3 2.359E CC		8.491E-10	
111	1.839E 03	3 2.367E 00	2.596E-03	8.545E-10	2.218E-12
112	1.855E 03	3 2.369E 00		8.595E-10	
113	1.872E 03	3 2.359E CC		8.641E-10	
114	1.888E 03	3 2.361E QC	2.119E-03	8.687E-10	1.841E-12
115	1.904E 03	3 2.370E 00		8.734E-10	
116	1.921E 03	3 2.388E 00		8.786E-10	
117	1.937E 03	B 2.413E 00	1.839E-03	8.839E-10	1.626E-12
118	1.953E 03	3 2.440E 00		8.892E-10	
119	1.970E 01	3 2.472E CC		8.951E-10	
120	1.986E C3	3 2.489E 00	1.642E-03	8.9976-10	1.478E-12

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CHANNEL	. ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
121	2.002E 03	2.496E 00		9.038E-10	
122	2.019E 03	2.478E 00		9.09CE-10	
123	2.035E 03	2.487E CO	1.336E-03	9.138E-10	1.221E-12
124	2.052E 03	2.517E 00	•	9.184E-10	
125	2.068E 03	2.576E 00		9.23CE-10	
126	2.084E 03	2.609E CO	1.2435-03	9.268E-10	1.152E-12
127	2.101E 03	2.623E 00		9.302E-10	
128	2.117E 03	2.598E 00		9.361E-10	
129	2.133E 03	2.591E CO	9.8C4E-04	9.416E-10	9.232E-13
130	2.150E 03	2.601E 00		9.469E-10	
131	2.166E 03	2.621E 00		9.515E-10	
132	2.182E 03	2.652E 00	8.252E-04	9.534E-10	7.867E-13
133	2.199E 03	2.695E 00		9.521E-10	
134 -	2.715E 03	2.750E 00		9.634E-10	
135	2.231E 03	2.775E CO	7.201E-04	9.728E-10	7.005E-13
136	2.248E 03	2.753E QC		9.774E-10	
137	2.264E 03	2.680E 00		9.819E-10	
138	2.28CE 03	2.642E 00	4.782E-04	2.916E-09	1.394E-12
139	2.2976 03	2.694E 00		8.772E-09	
140	2.313E 03	2.783E CC		5.266E-09	
141	2.329E 03	2.853E 00	4.1955-04	1.012E-09	4.245E-13
142	2.346E C3	2.849E 0C		1.0186-09	
143	2.362E 03	2.797E 00		1.025E-09	
144	2.378E C3	2.748E 0C	2.637E-04	1.0316-09	2.720E-13
145	2.395E 03	2.773E 00		1.038E-09	
146	2.411E 03	2.794E 00		1.049E-09	
147	2.428E C3	2.812E CC	1.774E-04	1.061E-09	1.882E-13
148	2.4448 03	2.817E 00		1.068E-09	
149	2.460E 03	2.767E 00		1.074E-09	
150	2.477E 03	2.726E 00	8.917E-05	1.081E-09	9.636E-14
151	2.493E ^3	3.0895 00		1.087E-09	
152	2.509E C3	2.044E 00		0.0	
153	2.526E C3	0.0	n.n	C.O	0.0
154	2.542E 03	C.O		0.0	

DOSE= 1.573E-11 R-SQ.CM./ELECTRON

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TAR	GET NO. 5-6 I	NCIDENT ELECT	RON ENERGY	2.5 MÈV		
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY ? PI SIN	(PHI) COS(PH)).
	7.5	15.0	30.0	45.0	60.0	75.0
€	9.733E-02	1.602E-01	1.8016-01	1.516E-01	9.7602-02	3.277E-02
9	5.578E-02	1.525E-01	1.673E-01	1.3916-01	8.7176-02	3.0706-02
12	7.833E-^?	1.2258-01	1.314E-01	1.072E-01	6.695E-02	2.376E-02
15	6.249E-02	9.658E-C2	1.0286-01	8.306E-02	5.095E-02	1.801E-02
18	5.063E+02	7.908E+02	8.2495-02	6.530E-02	4.0358-02	1.3976-02
21	4.147E-02	6.400E-02	6.665E-02	5.2946-02	3.185E-02	1.109E-02
74	3.503E-02	5.324E-02	5.543E-02	4.236E-02	2.5448-02	E.722E-03
27	2.936E-02	4.438E-02	4.487E-02	3.4446-02	2.031E-02	6.853E-C3
30	2.528E-02	3.749E-C2	3.765E-02	2.77^E-02	1.665E-02	5.648E-03
73	2.126E-02	3.174E-02	3.183E-02	2.3866-02	1.351E-02	4.590E-03
36	1.843E-02	2.755E-02	2.656E-02	1.9936-02	1.130E-02	3.796E-03
39	1.598E-02	2.3836-02	2.2656-02	1.645E-02	9.537E=03	3.142E-03
42	1.347E-02	2.082E-02	1.941E-02	1.400E-02	8.000E-03	2.595E-03
45	1.241E-02	1.782E-02	1.671E-02	1.215E-02	6.692E-03	2.154E-C3
48	1.064E-02	1.552E-02	1.478E-02	1.037E-02	5.692E-03	1.838E-03
51	9.2602-03	1.373E-02	1.2985-02	8.961E-03	4.907E-03	1.583E-03
54	8.157E-03	1.174E-02	1.060E-02	7.551E-03	4.292E-03	1.347E-03
57	7.444E-03	1.073E-^2	1.023E-02	6.830E-03	3.569E-03	1.2228-03
60	6.526E-03	9.34CE-C3	8.662E-03	5.9698-03	3.044E-03	1.068E-03
63	6.170E-03	8.568E-03	7.5946-03	5.2356-03	2.7998-03	E.92CE-04
66	5.379E-C3	7.677E-03	6.456E-03	4.453E-03	2.349E-03	7.308E-04
69	4.918E-03	6.960E-03	6.196E-03	3.949E-03	2.045E-03	6.379E-04
72	4.439E-03	6.049E-03	5.278E-03	3.624E-03	1.890E-03	5.633E-C4
75	3.856E-C3	5.481E+C3	4.847E-03	3.1546-03	1.578E-03	4.834E-C4
78	3.628E-03	5.032E-03	4.184E-03	2.653E-03	1.316E-03	4.254E-C4
81	3.451E-03	4.4296-03	3.6556-03	2.304E-03	1.262E-03	3.727E-04
84	2.922E-03	3.976E-03	3.323E-03	2.009E-03	1.089E-03	3.090E-04
87	2.742E-03	3.499E-03	2.997E-03	1.726E-03	8.647E-04	2.668E-04
90	2.496E-03	3.281E-C3	2.562E-03	1.709E-03	7.854E-04	2.333E-04
97	2.193E-03	2.904E-03	2.400E-03	1.436E-03	6.630E-04	1.924E-04
96	2.127E-03	2.514E-03	2.183E-03	1.105E-03	5.803E-04	1.5536-04
99	1.841E-03	2.4092-03	1.949E-03	1.028E-03	4.805E-04	1.294E-C4
192	1.7016-03	2.169E-03	1.5496-03	9.533E-04	4.696E-04	1.117E-04
105	1.473E-03	1.774E-03	1.436E-03	7.988E-04	3.2706-04	5.208E-05
108	1.294E-03	1.626E-03	1.0556-03	6.675E-04	3.4926-04	7.434E-05
111	1.083E-03	1.525E-03	1.0726-03	5.642E-04	2.7148-04	6.242E-05
114	9.193E-04	1.221E-03	9.253E-04	4.256E-04	1.800E-04	6.043E-05
117	9.138E-04	1.170E-03	6.996E-04	3.650E-04	1.753E-04	3.886E-C5
120	8.439E-C4	1.074E-03	5.694E-04	2.971E-04	1.537E-04	3.153E-05
123	7.080E-04	8.331E-04	5,9008-04	2.574E-04	1.044E-04	2.014E-05
126	5.963E-04	6.600E-04	3.8036-04	2.098E-04	7.626E-05	1.550E-05
129	4.602E-04	7.42°E-04	3.619E-04	1.144E-04	5.948E-05	5.178E-C6
132	3.836E-04	4.794E-C4	2.215E-04	1.316E-04	4.4966-05	1.195E-05
135	3.518E-04	4.54SE-04	2.103E-04	8.967E-05	4.882E-05	5.792E-06
128	3.383E-04	3.012E-04	1.777E-04	6.035E-05	1.799E-05	2.406E-06
141	2.0005-04	2.174E-C4	9.031E-05	6.021E-05	2.056E-05	1.931E-06
144	2.047E-04	1.575E-04	8.692E-05	1.584E-05	1.285E-05	1.037E-06
147	1.116E-04	1. r79E-r4	4.749E-05	1.584E-05	7.708E-06	1.008E-06
150	6.513E-05	6.052E-05	2.184E-05	8.901E-06	2.569E-06	9.511E-07
152	4.187E-05	2-7036-05	1.1036-05	0.0	2.5695-06	C. 5116-07

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
1	4.074E C1	r.a		4.342E-11	
2	5.709E 01	0.0		3.475E-11	
3	7.343E 01	0.0		3.458E-11	
4	8.978E 01	0.0		3.814E-11	
5	1.061E 02	2.467E-01		4.623E-11	
6	1.225E 02	9.046E-01	1.526E-01	5.526E-11	8.433E-12
7	1.388E 02	9.884E-C1		6.482E-11	
8	1.552E 02	9.772E-01		7.572E-11	
9	1.715E 02	5.871E-01	1.546E-01	8.682E-11	1.342E-11
10	1.879E C2	5.882E-01		9.762E-11	
11	2.042E 02	9.904E-01		1.039E-10	
12	2.206E 02	1.002E 00	1.231E-01	1.194E-10	1.469E-11
13	2.369E 02	1.012E 00		1.308E-10	
14	2.533E 02	1.023E 0C		1.416E-10	
15	2.696E 02	1.C42E 00	9.957E-02	1.528E-10	1.521E-11
16	S.860E 02	1.065E 00		1.626E-10	
17	3.023E 02	1.090E 00		1.732E-10	
18	3.187E 02	1.108E 00	8.466E-02	1.822E-10	1.542E-11
19	3.351E 02	1.129E 00		1.925E-10	
20	3.513E 02	1.151E 00		2.028E-10	
21	3.677E 02	1.166E 00	7.184E-02	2.118E-10	1.522E-11
22	3.840E 02	1.183E 00		2.21CE-10	
23	4.004E 02	1.203E 00		2.303E-10	
24	4.167E 02	1.216E CO	6.132E-02	2.404E-10	1.474E-11
25	4.331E 02	1.231E 00		2.492E-10	
26	4.494E 02	1.246E 00		2.577E-10	
27	4.658E 02	1.259E 00	5.172E-02	2.655E-10	1.373E-11
28	4.821E C2	1.274E 00		2.741E-10	
29	4.9858 02	1.293E CC		2.822E-10	
30	5.148E 02	1.306E 00	4.454E-02	2.913E-10	1.298E-11
31	5.212E 02	1.320E 00		3.0006-10	
32	5.475E ^2	1.335E CC		3.078E-10	
33	5.639E 02	1.348E 00	3.877E-02	3.162E-10	1.226E-11
34	5.802E 02	1.360E 00		3.245E-10	
35	5.966E 02	1.374E 00		3.3245-10	
36	6.129E 02	1.386E CC	3.366E-02	3.412E-10	1.149E-11
37	6.293E 02	1.398E CC		3.500E-10	
38	6.456E N2	1.412E CO		3.579E-10	
39	6.620E C2	1.424E 00	2.932E-02	3.657E-10	1.072E-11
40	6.783E 02	1.434E 00		3.736E-10	

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TARGET	NO.	5-6	INCIDENT	ELECTRON	ENERGY	2.5	MEV

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CHANNE	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	6.947E 02	1.446E 00		3.814E-10	
47	7.110E 02	1.456E 00	2.56?E-02	3.906E-10	1.001E-11
43	7.273E 02	1.465E 00		4.000E-10	
44	7.437E 02	1.475E 00		4.072E-10	
45	1.600E 05	1.486E 00	2.2576-02	4.152E-10	9.371E-12
46	7.764E 02	1.498E CC		4.236E-10	
47	7.927E 02	1.51CE 00		4.308E-10	
4 E	8.091E 02	1.522E 00	2.002E-02	4.391E-10	8.793E-12
49	8.254E C2	1.536E 00		4.482E-10	
50	8.418E C2	1.551E CC		4.554E-10	
51	8.581E C2	1.563E 00	1.795E-02	4.629E-10	8.309E-12
52	8.7458 02	1.57CE 00		4.707E-10	
53	8.908E 02	1.568E 00		4.78°E-10	
54	S. C72E C2	1.576E 00	1.531E-02	4.857E-10	7.436E-12
55	9.2358 02	1.597E CC		4.942E-10	
56	9.399E C2	1.625E 00		5.015E-10	
57	9.562E 02	1.646E 00	1.464E-02	5.090E-10	7.451E-12
58	9.726E 02	1.655E 00		5.168E-10	
59	5.889E 02	1.654E 00		5.241E-10	
60	1.005E 03	1.659E 00	1.274E-02	5.313E-10	6.767E-12
61	1.022E C3	1.678E 00		5.385E-10	
62	1.038E 03	1.699E 00		5.457E-10	
63	1.0548 03	1.716E 00	1.181E+02	5.529E-10	6.532E-12
64	1.071E 03	1.723E CC		5.601E-10	
65	1.087E 03	1.720E 00		5.668E-10	
66	1.103E 03	1.721E 00	1.020E-02	5.735E-10	5.848E-12
67	1.120E 03	1.744E CC		5.807E-10	
68	1.136E C3	1.768E CC		5.874E-10	
69	1.152E 03	1.790E 00	9.687E-03	5.941E-10	5.755E-12
70	1.1698 03	1.802E CO		6.012E-10	
71	1.185E C3	1.811E CO		6.080E-10	
72	1.201E 03	1.820E 00	8.713E-03	6.145E-10	5.354E-12
73	1.218E 03	1.835E OC		6.204E-10	
74	1.234E C3	1.849E 00		6.267E-10	
75	1.250E 03	1.862E 00	7.914E-03	6.3328-10	5.0116-12
76	1.267E C3	1.873E CC		6.391E-10	
77	1.283E 03	1.881E CO		6.449E-10	
78	1.300E 03	1.885E OC	7.0346-03	6.508E-10	4.578E-12
79	1.316E C3	1.906E CC	-	6.567E-10	
90	1.332E 03	1.924E CC		6.629E-10	

CHANNEI	ENERGY KEV	CORR.FACT.	ENGY.SPEC. Photons/Mev -Electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
81	1.349E 03	1.938E 00	6.453E-03	6.694E-10	4.320E-12
H 2	1.365E 03	1.952E 00		6.754E-10	
85	1.381E C3	1.964E 00		6.813E-10	
84	1.398E 03	1.974E 00	5.807E-03	6.871E-10	3.990E-12
85	1.414E 03	1.983E GC		6.975E-10	
60	1.430E 03	1.99CE 00		7.073E-10	
87	1.447E 03	1.995E CC	5.166E-03	7.145E-10	.3.691E-12
88	1.463E 13	2.019E 00		7.202E-10	
89	1.479E C3	2.045E 00		7.2568-10	
an	1.496E 03	2.067E 0C	4.898E-03	7.315E-10	3.583E-12
91	1.512E C3	2.079E 00		7.373E-10	
45	1.528E 13	2.087E OC		7.434E-10	
93	1.545E 03	2.093E 0C	4.385E-03	7.499E-10	3.288E-12
94	1.561E 03	2.098E 00		7.560E-10	
95	1.577E 03	2.102E OC		7.620E-10	
96	1.594E 03	2.108E 00	3.854E-03	7.685E-10	2.962E-12
97	1.61CE 03	2.127E 0C		7.746E-10	
98	1.626E 03	2.156E 0C		7.8056-10	
99	1,643E 03	2.178E 00	3.6046-03	7.864E-10	?.835E-12
100	1.659E 03	2.197E 0C		7.9276-10	
101	1.676E 03	2.215E CC		7.9926-10	
102	1.692E 03	2.229E 00	3.252E-03	8.051E-10	?.618E-12
103	1.708E 03	2.237E 00		8.106E-10	
174	1.725E C3	2.239E CC		8.159E-10	
105	1.741E 03	2.242E 00	2.7756-03	8.198E-10	2.275E-12
106	1.757E ^3	2.246E 00		8.246E-10	
107	1.774E 03	2.253E CC		8.305E-10	
108	1.790E 03	2.271E 00	2.3896-03	8.364E-10	1.998E-12
109	1.806E 03	2.303E 00		8.425E-10	
117	1.823E ^3	2.356E CO		8.491E-10	
111	1.839E 03	2.381E 00	2.275E-03	8.545E-10	1.944F-12
112	1.855E 03	2.386E 00		8.595E-10	
113	1.872E 03	2.357E CC		8-641E-10	
114	1.888E 03	2.352E 00	1.818E-03	8-687E-10	1.579E-12
115	1.904E 03	2.361E 00		8.734E-10	
116	1.921E 03	2.395E 00		8.786E-10	
117	1.937E 03	2.426E 00	1.650E-03	8-8395-10	1.458E-12
119	1.953E C3	2.455E CC		8-892E-10	1.4705-12
119	1.970E 03	2.481E 00		8.9516-10	
120	1.986E 03	2.507E 00	1.484E-03	8.9976-10	1.3355-12
				00777C-10	100000012

1212.002E032.535E00 $9.038E-10$ $9.038E-10$ 1222.019E032.504E00 $9.090E-10$ $1.192E-12$ 1242.052E032.571E00 $9.138E-10$ $1.192E-12$ 1252.068E032.572E00 $9.230E-10$ $8.867E-13$ 1262.084E032.464E00 $9.566E-04$ $9.268E-10$ $8.867E-13$ 1272.101E032.662E00 $9.302E-10$ $8.867E-13$ 1282.117E032.662E00 $9.302E-10$ $8.867E-13$ 1372.150E032.662E00 $9.469E-10$ $8.574E-13$ 1372.150E032.662E00 $9.515E-10$ $8.574E-13$ 1372.162E032.552E00 $9.534E-10$ $6.060E-13$ 1332.199E032.600E9.534E-10 $6.121E-13$ 1332.199E032.600E9.534E-10 $6.121E-13$ 1342.215E032.798E00 $9.774E-10$ 1352.230E032.784E00 $9.774E-10$ 1382.280E032.784E00 $9.774E-10$ 1392.297E032.749E00 $9.266E-09$ 1412.329E032.641E00 $9.266E-09$ 1422.346E032.784E00 $9.266E-09$ 1442.378E032.641E00 $9.298E-04$ 1452.395E0	CHANNE	EL ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	121	2.0028 03	2.535E 00		9.038E-10	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	122	2.019E 03	2.564E 00		9.090E-10	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	123	2.035E 03	2.571E CC	1.304E-03	9.138E-10	1.192E-12
1252.688E $r3$ 2.592E0C9.230E-101262.084E032.494E0C9.566E-049.268E-101272.101E032.526E0C9.302E-101282.117E032.662E0C9.361E-101292.133E032.662E0C9.469E-101312.150E032.662E0C9.515E-101312.166E032.578E0C9.515E-101322.182E032.600E009.521E-101332.199E032.600E009.521E-101342.215E032.798E0C6.292E-049.774E-101352.731E032.798E0C9.634E-101362.264E032.810E0C9.774E-101372.264E032.810E0C9.774E-101382.280E032.784E0C9.819E-1C1392.297E032.749E0C8.72E-091412.329E032.641E0C5.266E-091412.329E032.641E0C1.018E-091422.346E032.878E0C1.018E-091432.362E032.843E0C1.018E-091442.378E032.843E0C1.049E-091452.395E032.843E0C1.068E-091462.411E032.813E0C1.068E-09 <td>124</td> <td>2.052E 03</td> <td>2.559E CC</td> <td></td> <td>9.184E-10</td> <td></td>	124	2.052E 03	2.559E CC		9.184E-10	
1262.°84E $r3$ 2.494E0C9.566E-049.268E-108.867E-131272.101E $r3$ 2.526ECC9.302E-109.302E-101282.117E $r3$ 2.662E9.105E-049.416E-108.574E-131302.150E $r3$ 2.667E9.09.469E-108.574E-131312.166E $r3$ 2.578E9.55E-109.515E-108.574E-131322.182E $r3$ 2.600E9.635E-109.534E-106.060E-131332.199E032.600E9.634E-106.121E-131342.215E $r3$ 2.798E9.6464E-049.728E-106.121E-131352.231E032.798E9.774E-109.774E-101372.264E732.810E9.774E-101.366E-121392.297E032.745E009.819E-101382.280E032.745E008.772E-091412.329E032.641E005.266E-091412.329E032.641E001.018E-091422.346E032.878E001.018E-091432.362E032.864E001.038E-091442.378E032.801E001.038E-091452.395E032.874E001.068E-091462.411E032.813E001.068E-091462.444E032.813E001.068E-091	125	2.068E C3	2.592E 0C		9.230E-10	
127 $2.101E$ 0.3 $2.526E$ CC $9.302E-10$ 128 $2.117E$ 0.3 $2.618E$ $0C$ $9.361E-10$ 129 $2.133E$ 0.3 $2.662E$ $0C$ $9.105E-04$ $9.416E-10$ 131 $2.150E$ 0.3 $2.662E$ $0C$ $9.515E-10$ 131 $2.166E$ 0.3 $2.578E$ $0C$ $9.534E-10$ 132 $2.182E$ 0.3 $2.578E$ $0C$ $9.521E-10$ 134 $2.166E$ 0.3 $2.578E$ $0C$ $9.521E-10$ 134 $2.215E$ 0.3 $2.60CE$ $0C$ $9.521E-10$ 134 $2.215E$ 0.3 $2.798E$ $0C$ $9.521E-10$ 135 $2.231E$ 0.3 $2.748E$ $0C$ $9.634E-10$ 135 $2.231E$ 0.3 $2.798E$ $0C$ $9.774E-10$ 137 $2.264E$ 0.3 $2.824E$ $0C$ $9.819E-1C$ 138 $2.280E$ 0.3 $2.748E$ $0C$ $4.684E-04$ $2.916E-09$ 147 $2.313E$ 0.3 $2.748E$ $0C$ $5.266E-09$ 141 $2.329E$ 0.3 $2.641E$ $0C$ $5.266E-09$ 144 $2.378E$ 0.3 $2.641E$ $0C$ $1.012E-09$ 142 $2.346E$ 0.3 $2.702E$ 0.70 $1.038E-09$ 144 $2.378E$ 0.3 $2.641E$ 0.2 $2.548E-13$ 145 $2.395E$ 0.3 $2.674E$ 0.3 $2.548E-19$ 144 <td>126</td> <td>2.084E 03</td> <td>2.494E 00</td> <td>9.566E-04</td> <td>9.268E-10</td> <td>8.867E-13</td>	126	2.084E 03	2.494E 00	9.566E-04	9.268E-10	8.867E-13
1282.117E0.32.618E0.09.361E-101292.133E0.32.662E0.09.105E-049.416E-108.574E-131302.150E0.32.660E0.09.515E-101312.166E0.121E-131312.166E0.32.552E0.06.356E-049.534E-106.060E-131322.182E0.32.552E0.06.356E-049.534E-106.060E-131332.199E0.32.600E0.09.521E-109.521E-101342.215E0.32.714E0.09.634E-106.121E-131352.731E0.32.798E0.09.774E-106.121E-131362.248E0.32.824E0.09.819E-101.366E-121372.264E0.32.749E0.09.819E-101.366E-121382.280E0.32.749E0.08.772E-091.366E-121392.297E0.32.641E0.05.266E-091.366E-131412.329E0.32.641E0.02.985E-041.012E-091422.346E0.32.788E0.01.012E-093.020E-131432.362E0.32.788E0.01.012E-091.591E-131442.378E0.32.801E0.01.049E-091.591E-131442.3795E0.32.801E0.01.068E-091.591E-131482.447E0.32.813E0.01.087E-09 <td>127</td> <td>2.101E 03</td> <td>2.526E CC</td> <td></td> <td>9.302E-10</td> <td></td>	127	2.101E 03	2.526E CC		9.302E-10	
1292.133E032.662E0C $9.105E-04$ $9.416E-10$ $8.574E-13$ 1312.150E032.5660E00 $9.469E-10$ $9.469E-10$ 1312.166E032.578E0C $9.515E-10$ 1322.182E032.552E0C $6.356E-04$ $9.534E-10$ $6.060E-13$ 1332.199E032.600E00 $9.521E-10$ $6.060E-13$ 1342.215E032.714E0C $9.634E-10$ $6.121E-13$ 1352.231E032.798E0C $6.292E-04$ $9.728E-10$ $6.121E-13$ 1362.248E032.810E0C $9.634E-10$ $6.121E-13$ 1372.264E032.810E0C $9.634E-10$ $6.121E-13$ 1382.280E032.749E0C $4.684E-04$ $2.916E-09$ $1.366E-12$ 1392.297E032.749E0C $8.772E-09$ $1.366E-12$ 1392.297E032.641E0C $2.985E-04$ $1.012E-09$ 1412.329E032.641E0C $2.985E-04$ $1.012E-09$ 1422.346E032.72E0C $1.025E-09$ $1.4222-09$ 1442.378E032.864E00 $2.471E-04$ $1.038E-09$ 1432.362E032.864E00 $1.049E-09$ $1.591E-13$ 1452.395E032.801E0C $1.068E-09$ $1.591E-13$ 1462.411E032.813E <td>128</td> <td>2.117E 03</td> <td>2.618E 00</td> <td></td> <td>9.361E-10</td> <td></td>	128	2.117E 03	2.618E 00		9.361E-10	
13° 2.150E 73 2.660E 10 9.469E-10 131 2.166E 73 2.578E $0C$ 9.515E-10 132 2.182E 73 2.552E $9C$ $6.356E-04$ 9.534E-10 133 2.199E 73 2.60CE 90 $9.521E-10$ 134 2.215E 73 2.714E $9.534E-10$ $6.060E-13$ 135 2.231E 03 2.778E CC $9.521E-10$ 136 2.248E 73 2.824E 90 $9.774E-10$ 137 2.264E 73 2.810E CC $9.819E-1C$ 138 2.280E 03 2.784E $9C$ $9.774E-10$ 137 2.264E 73 2.810E CC $9.819E-10$ 138 2.280E 93 2.848E $9C$ $9.774E-10$ 138 2.297E 93 2.749E $9C$ $8.772E-09$ 147 2.313E 73 2.661E $9C$ $5.266E-09$ 141 2.329E 93 $2.641E$ $9C$ $9.72E-09$ 144 2.378E 93 $2.702E$ $9C$ $1.018E-09$ 143 $2.362E$ 93 $2.874E$ $9C$ $1.038E-09$ 144 $2.378E$ 93 $2.874E$ $9C$ $1.038E-09$ 144 $2.378E$ 93 $2.813E$ $9C$ $1.068E-09$ 144 $2.378E$ 93 $2.813E$ $9C$ $1.068E-09$ 144 $2.4428E$ 93 $2.813E$ $9C$ $1.068E-09$	129	2.133E 03	2.662E 00	9.105E-04	9.416E-10	8.574E-13
1312.166E $C3$ 2.578E CC 9.515E-101322.182EC32.552E Ω C6.356E-049.534E-106.060E-131332.199E032.600E Ω C9.521E-109.524E-101342.215EC32.714E Ω C9.634E-101352.731E Ω 32.798E CC 6.292E-049.728E-101362.2248EC32.810E CC 9.819E-101372.264E Ω 32.810E CC 9.819E-101382.280E Ω 32.784E Ω C4.684E-042.916E-091392.297E Ω 32.745E Ω C8.772E-091402.313E Γ 32.661E Ω C5.266E-091412.329E Ω 32.641E Ω C2.985E-041.012E-091422.362EC32.788E Ω C1.025E-091442.378E Ω 32.864E Ω 2.471E-041.038E-091432.362E Ω 32.878E Ω 1.049E-091442.378E Ω 32.813E Ω 1.068E-091452.395E Ω 32.813E Ω 1.068E-091462.411E Ω 32.813E Ω 1.068E-091472.428E Ω 32.813E Ω 1.068E-091482.444E Ω 32.813E Ω 1.087E-091492.460E Ω 32.705E Ω 1.081E-091492.401E </td <td>130</td> <td>2.150E 03</td> <td>2.660E 00</td> <td></td> <td>9.469E-10</td> <td></td>	130	2.150E 03	2.660E 00		9.469E-10	
132 2.182E 03 2.552E 0C 6.356E-04 9.534E-10 6.060E-13 133 2.199E 03 2.600E 00 9.521E-10 9.634E-10 134 2.215E 03 2.714E 0C 9.634E-10 6.121E-13 135 2.231E 03 2.798E CC 6.292E-04 9.728E-10 6.121E-13 136 2.248E 03 2.824E 00 9.774E-10 9.1366E-12 137 2.264E 03 2.784E 0C 4.684E-04 2.916E-09 1.366E-12 138 2.280E 03 2.745E 0C 8.772E-09 1.366E-12 139 2.297E 03 2.641E 0C 5.266E-09 1.41 141 2.329E 03 2.641E 0C 1.012E-09 3.020E-13 142 2.346E 03 2.878E 0C 1.025E-09 1.018E-09 2.548E-13 143 2.362E 03 2.878E 0C 1.038E-09 1.591E-13 145 2.395E 03 2.874E	131	2.166E C3	2.578E CC		9.5156-10	
1332.199E032.600E00 $9.521E-10$ 1342.215E032.714E00 $9.634E-10$ 1352.731E032.798E00 $9.728E-10$ $6.121E-13$ 1362.248E032.810E00 $9.774E-10$ $9.774E-10$ 1372.264E032.810E00 $9.819E-10$ 1382.280E032.784E00 $9.819E-10$ 1382.280E032.784E00 $8.772E-09$ 1472.313E032.641E00 $5.266E-09$ 1412.329E032.641E00 $5.266E-09$ 1422.346E032.702E00 $1.018E-09$ 1432.362E032.788E00 $1.025E-09$ 1442.378E032.864E00 $1.038E-09$ 1452.395E032.874E00 $1.038E-09$ 1462.411E032.843E00 $1.049E-09$ 1472.428E032.813E00 $1.068E-09$ 1482.444E032.813E00 $1.068E-09$ 1492.460E032.790E00 $1.088E-09$ 1492.460E032.9790E00 $1.088E-09$ 1492.460E032.801E00 $1.088E-09$ 1492.460E032.9790E00 $1.088E-09$ 1502.477E032.967E00 $1.088E-09$ 1512.493E03	132	2.182E C3	2.552E 00	6.356E-04	9.534E-10	6.060E-13
134 2.215E C3 2.714E CC 9.634E-10 135 2.231E C3 2.758E CC 6.292E-04 9.728E-10 6.121E-13 136 2.248E C3 2.824E CC 9.819E-10 9.819E-10 137 2.264E C3 2.810E CC 9.819E-10 1.366E-12 138 2.280E C3 2.749E CC 8.772E-09 1.366E-12 139 2.297E C3 2.641E CC 2.985E-04 1.012E-09 3.020E-13 142 2.313E C3 2.641E CC 2.985E-04 1.012E-09 3.020E-13 142 2.346E C3 2.702E CO 1.018E-09 2.548E-13 143 2.362E C3 2.788E CC 1.025E-09 1.44 2.378E C3 2.874E C0 1.038E-09 144 2.378E C3 2.874E C0 1.038E-09 1.591E-13 145 2.395E C3 2.812E C0 1.068E-09 1.591E-13 146 <t< td=""><td>133</td><td>2.199E 03</td><td>2.600E 00</td><td></td><td>9.521E-10</td><td></td></t<>	133	2.199E 03	2.600E 00		9.521E-10	
135 2.731E 03 2.798E CC 6.292E-04 9.728E-10 6.121E-13 136 2.248E 03 2.824E 00 9.819E-10 137 2.264E 03 2.810E CC 9.819E-10 138 2.280E 03 2.784E 0C 4.684E-04 2.916E-09 1.366E-12 139 2.297E 03 2.749E 0C 8.772E-09 1.366E-12 141 2.313E 03 2.641E 0C 2.985E-04 1.012E-09 3.020E-13 142 2.346E 03 2.702E 00 1.018E-09 1.018E-09 143 2.362E 03 2.788E 0C 1.018E-09 2.548E-13 144 2.378E 03 2.864E 00 2.471E-04 1.038E-09 1.591E-13 145 2.395E 03 2.843E 0C 1.049E-09 1.591E-13 146 2.441E 03 2.813E 0C 1.068E-09 1.591E-13 148 2.460E 03 2.790E C 1.081E-09	134	2.215E C3	2.714E 0C		9.634E-10	
136 2.248E C3 2.824E 00 9.774E-10 137 2.264E 03 2.810E CC 9.819E-10 138 2.280E 03 2.784E 00 4.684E-04 2.916E-09 1.366E-12 138 2.297E 03 2.749E 00 8.772E-09 1.366E-12 137 2.313E C3 2.681E 00 5.266E-09 1.012E-09 3.020E-13 141 2.329E 03 2.641E CC 2.985E-04 1.012E-09 3.020E-13 142 2.346E C3 2.702E C0 1.018E-09 3.020E-13 143 2.362E C3 2.788E CC 1.018E-09 3.020E-13 144 2.378E C3 2.864E CC 1.038E-09 2.548E-13 144 2.3795E C3 2.874E CC 1.038E-09 1.591E-13 145 2.395E C3 2.801E CC 1.068E-09 1.591E-13 146 2.444E C3 2.813E C 1.068E-09 1.591E-13	135	2.231E 03	2.798E CC	6.292E-04	9.728E-10	6.121E-13
137 2.264E 03 2.810E 00 9.819E-10 138 2.280E 03 2.784E 00 4.684E-04 2.916E-09 1.366E-12 139 2.297E 03 2.749E 00 8.772E-09 1.366E-12 140 2.313E 03 2.681E 00 5.266E-09 1.012E-09 3.020E-13 141 2.329E 03 2.641E 00 2.985E-04 1.012E-09 3.020E-13 142 2.346E 03 2.702E 00 1.018E-09 1.025E-09 143 2.362E 03 2.788E 00 1.018E-09 2.548E-13 144 2.378E 03 2.864E 00 2.471E-04 1.031E-09 2.548E-13 145 2.395E 03 2.874E 00 1.038E-09 1.591E-13 146 2.411E 03 2.801E 00 1.068E-09 1.591E-13 148 2.444E 03 2.813E 00 1.074E-09 8.586E-14 150 2.477E 03 2.769E 00	136	2.248E C3	2.824E 00		9.774E-10	
138 2.280E 03 2.784E 00 4.684E-04 2.916E-09 1.366E-12 139 2.297E 03 2.749E 00 8.772E-09 140 2.313E 03 2.681E 00 5.266E-09 141 2.329E 03 2.641E 00 5.266E-09 142 2.346E 03 2.702E 00 1.012E-09 3.020E-13 142 2.346E 03 2.702E 00 1.018E-09 1.025E-09 143 2.362E 03 2.788E 00 1.025E-09 1.038E-09 144 2.378E 03 2.864E 00 2.471E-04 1.031E-09 2.548E-13 145 2.395E 03 2.874E 00 1.038E-09 1.591E-13 146 2.411E 03 2.813E 00 1.068E-09 1.591E-13 148 2.444E 03 2.813E 00 1.068E-09 1.591E-13 149 2.460E 03 2.790E 00 1.081E-09 8.586E-14 151 2.493	137	2.264E 03	2.810E CC		9.819E-10	
139 2.297E 03 2.749E 0C 8.772E-09 140 2.313E 03 2.681E 0C 5.266E-09 141 2.329E 03 2.641E 0C 2.985E-04 1.012E-09 3.020E-13 142 2.346E 03 2.702E 00 1.018E-09 1.018E-09 143 2.362E 03 2.788E 0C 1.025E-09 1.44 144 2.378E 03 2.864E 0Q 2.471E-04 1.031E-09 2.548E-13 145 2.395E 03 2.864E 0Q 2.471E-04 1.038E-09 1.591E-13 146 2.411E 03 2.843E 0C 1.049E-09 1.591E-13 147 2.428E 03 2.813E 0C 1.068E-09 1.591E-13 148 2.444E 03 2.813E 0C 1.074E-09 8.586E-14 150 2.477E 03 2.769E 0C 1.087E-09 8.586E-14 151 2.493E 03 2.967E 0C 0.0 0.0	138	2.280E 03	2.784E 00	4.684E-04	2.916E-09	1.366E-12
140 2.313E 03 2.681E 00 5.266E-09 141 2.329E 03 2.641E 00 2.985E-04 1.012E-09 3.020E-13 142 2.346E 03 2.702E 00 1.018E-09 1.018E-09 143 2.362E 03 2.788E 00 1.025E-09 1.025E-09 144 2.378E 03 2.864E 00 2.471E-04 1.031E-09 2.548E-13 145 2.395E 03 2.874E 00 1.038E-09 1.049E-09 146 2.411E 03 2.843E 00 1.049E-09 1.591E-13 146 2.411E 03 2.813E 00 1.068E-09 1.591E-13 148 2.444E 03 2.813E 00 1.068E-09 1.591E-13 149 2.460E 03 2.790E 00 1.074E-09 8.586E-14 150 2.477E 03 2.769E 00 1.087E-09 8.586E-14 151 2.493E 03 2.967E 00 0.0 0.0 <	139	2.297E 03	2.749E 0C		8.772E-09	
141 2.329E 03 2.641E 00 2.985E-04 1.012E-09 3.020E-13 142 2.346E 03 2.702E 00 1.018E-09 1.018E-09 143 2.362E 03 2.788E 00 1.025E-09 144 2.378E 03 2.864E 00 2.471E-04 1.031E-09 2.548E-13 145 2.395E 03 2.874E 00 1.038E-09 1.049E-09 146 2.411E 03 2.843E 00 1.061E-09 1.591E-13 147 2.428E 03 2.813E 00 1.068E-09 1.591E-13 148 2.444E 03 2.813E 00 1.068E-09 1.591E-13 148 2.460E 03 2.790E 00 1.074E-09 8.586E-14 150 2.477E 03 2.769E 00 1.087E-09 8.586E-14 151 2.493E 03 2.967E 00 0.0 0.0 152 2.509E 03 0.90 0.0 0.0 0.0 <td< td=""><td>140</td><td>2.313E C3</td><td>2.681E CC</td><td></td><td>5.266E-09</td><td></td></td<>	140	2.313E C3	2.681E CC		5.266E-09	
142 2.346E 03 2.702E 00 1.018E-09 143 2.362E 03 2.788E 00 1.025E-09 144 2.378E 03 2.864E 00 2.471E-04 1.031E-09 2.548E-13 145 2.395E 03 2.874E 00 1.038E-09 1.038E-09 146 2.411E 03 2.843E 00 1.049E-09 1.591E-13 147 2.428E 03 2.813E 00 1.068E-09 1.591E-13 148 2.444E 03 2.813E 00 1.068E-09 1.591E-13 148 2.460E 03 2.813E 00 1.068E-09 1.591E-13 149 2.460E 03 2.790E 00 1.074E-09 8.586E-14 150 2.477E 03 2.769E 00 1.087E-09 8.586E-14 151 2.493E 03 2.967E 00 0.0 0.0 152 2.509E 03 0.90 0.0 0.0 0.0 153 2.526E 03	141	2.329E 03	2.641E CC	2.9856-04	1.012E-09	3.020E-13
143 2.362E 03 2.788E 00 1.025E-09 144 2.378E 03 2.864E 00 2.471E-04 1.031E-09 2.548E-13 145 2.395E 03 2.874E 00 1.038E-09 1.038E-09 146 2.411E 03 2.843E 00 1.049E-09 1.591E-13 147 2.428E 03 2.813E 00 1.068E-09 1.591E-13 148 2.444E 03 2.813E 00 1.068E-09 1.591E-13 148 2.460E 03 2.790E 00 1.074E-09 1.591E-13 149 2.460E 03 2.790E 00 1.081E-09 8.586E-14 150 2.477E 03 2.967E 00 1.087E-09 8.586E-14 151 2.493E 03 2.967E 00 0.0 0.0 152 2.509E 03 0.90 0.0 0.0 0.0 153 2.526E 03 0.0 0.0 0.0 0.0 154 2.542E <	142	2.346E C3	2.702E 00		1.018E-09	
144 2.378E 03 2.864E 00 2.471E-04 1.031E-09 2.548E-13 145 2.395E 03 2.874E 00 1.038E-09 1.038E-09 146 2.411E 03 2.843E 00 1.049E-09 1.591E-13 147 2.428E 03 2.813E 00 1.068E-09 1.591E-13 148 2.444E 03 2.813E 00 1.068E-09 1.591E-13 149 2.460E 03 2.790E 00 1.074E-09 1.591E-13 150 2.477E 03 2.769E 00 1.074E-09 1.586E-14 151 2.493E 03 2.967E 00 1.087E-09 8.586E-14 152 2.509E 03 1.922E 00 0.0 0.0 153 2.526E 03 0.0 0.0 0.0 0.0 154 2.542E 03 0.0 0.0 0.0	143	2.362E 03	2.788E CC		1.025E-09	
145 2.395E 03 2.874E 00 1.038E-09 146 2.411E 03 2.843E 00 1.049E-09 147 2.428E 03 2.801E 00 1.061E-09 1.591E-13 148 2.444E 03 2.813E 00 1.068E-09 1.591E-13 149 2.460E 03 2.790E 00 1.074E-09 150 2.477E 03 2.769E 00 1.081E-09 8.586E-14 151 2.493E 03 2.967E 00 1.087E-09 1.087E-09 152 2.509E 03 1.922E 00 0.0 0.0 153 2.526E 03 0.0 0.0 0.0 154 2.542E 03 0.0 0.0 0.0	144	2.378E 03	2.864E 00	2.471E-04	1.031E-09	2.548E-13
146 2.411E 03 2.843E 00 1.049E-09 147 2.428E 03 2.801E 00 1.500E-04 1.061E-09 1.591E-13 148 2.444E 03 2.813E 00 1.068E-09 1.068E-09 149 2.460E 03 2.790E 00 1.074E-09 150 2.477E 03 2.769E 00 1.081E-09 8.586E-14 151 2.493E 03 2.967E 00 1.087E-09 1.087E-09 152 2.509E 03 1.922E 00 0.0 0.0 153 2.526E 03 0.0 0.0 0.0 0.0 154 2.542E 03 0.0 0.0 0.0 0.0	145	2.395E 03	2.874E 00		1.038E-09	
147 2.428E 03 2.801E 00 1.500E-04 1.061E-09 1.591E-13 148 2.444E 03 2.813E 00 1.068E-09 1.068E-09 149 2.460E 03 2.790E 00 1.074E-09 150 2.477E 03 2.769E 00 1.081E-09 8.586E-14 151 2.493E 03 2.967E 00 1.087E-09 1.087E-09 152 2.509E 03 1.922E 00 0.0 0.0 153 2.526E 03 0.0 0.0 0.0 0.0 154 2.542E 03 0.0 0.0 0.0 0.0	146	2.411E 03	2.843E 00		1.049E-09	
148 2.444E 03 2.813E 0C 1.068E-09 149 2.460E 03 2.790E CO 1.074E-09 150 2.477E 03 2.769E 0C 1.081E-09 8.586E-14 151 2.493E 03 2.967E 0C 1.087E-09 1.087E-09 152 2.509E 03 1.922E 0C 0.0 0.0 153 2.526E 03 0.0 0.0 0.0 0.0 154 2.542E 03 0.0 0.0 0.0 0.0	147	2.428E 03	2.801E CC	1.500E-04	1.061E-09	1.591E-13
149 2.460E 03 2.790E 00 1.074E-09 150 2.477E 03 2.769E 00 7.945E-05 1.081E-09 8.586E-14 151 2.493E 03 2.967E 00 1.087E-09 1.087E-09 152 2.509E 03 1.922E 00 0.0 0.0 153 2.526E 03 0.0 0.0 0.0 0.0 154 2.542E 03 0.0 0.0 0.0 0.0	148	2.444E 03	2.813E 00		1.068E-09	
150 2.477E 03 2.769E 00 7.945E-05 1.081E-09 8.586E-14 151 2.493E 03 2.967E 00 1.087E-09 1.087E-09 152 2.509E 03 1.922E 00 0.0 0.0 153 2.526E 03 0.0 0.0 0.0 0.0 154 2.542E 03 0.0 0.0 0.0	149	2.460E 03	2.79CE CC		1.074E-09	
151 2.493E 03 2.967E 0.0 1.087E-09 152 2.509E 03 1.922E 0.0 0.0 153 2.526E 03 0.0 0.0 0.0 154 2.542E 03 0.0 0.0	150	2.477E C3	2.769E 00	7.945E-05	1-081E-09	A. 586E-14
152 2.509E 0.0 153 2.526E 0.0 0.0 154 2.542E 0.0 0.0	151	2.493E 03	2.967E 00		1.087E-09	
153 2.526E 03 C.O 0.O 0.O 0.O 0.O 154 2.542E 03 0.0 0.O 0.O	152	2.509E C3	1.922E CC		0.0	
154 2.542E r3 r.0 0.n	153	2.526E 03	C.0	0.0	0.0	0.0
	154	2.542E C3	C.0	-	0.0	

CCSF= 1.441E-11 R-SQ.CM./ELECTRON

TAR	GET NO. 6 INC	IDENT ENERGY	2.5 MEV			
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI).
	7.5	15.0	30.0	45.0	60.0	75.0
6	1.111E-01	1.8426-01	2.014E-01	1.727E-01	1.112E-01	4.255E-C2
9	1.1326-01	1.833E-01	1.9406-01	1.619E-01	1.025E-01	3.888E-02
12	9.358E-C2	1.474E-C1	1.542E-01	1.281E-01	7.998E-02	2.971E-C2
15	7.654E-02	1.204E-01	1.223E-01	9.974E-02	6.196E-02	2.279E-02
18	6.174E-C2	9.458E-C2	9.641E-02	7.878E-02	4.904E-02	1.791E-02
21	5.159E-02	7.920E-02	7.980E-02	6.311E-02	3.850E-02	1.404E-02
24	4.346E-02	6.567E-02	6.470E-02	5.150E-02	3.082E-02	1.122E-02
27	3.645E-02	5.508E-02	5.363E-02	4.197E-02	2.531E-02	E.912E-03
30	3.063E-02	4.620E-02	4.528E-02	3.511E-02	2.041E-02	7.124E-03
33	2.653E-02	3.960E-02	3.8056-02	2.884E-02	1.664E-02	5.807E-03
36	2.255E-C2	3.3836-02	3.2496-02	2.482E-02	1.398E-02	4.841E-03
39	1.997E-02	2.9026-02	2.8096-02	2.098E-02	1.176E-02	4.044E-03
42	1.710E-02	2.5466-02	2.380E-02	1.7426-02	1.000E-02	3.452E-03
45	1.548E-02	2.148E-02	2.053E-02	1.524E-02	8.5?0E-03	2.842E-03
48	1.384E-02	1.902E-02	1.8056-02	1.314E-02	7.329E-03	2.514E-03
51	1.204E-02	1.7478-02	1.5556-02	1.148E-02	6.323E-03	2.134E-03
54	1.095E-02	1.459E-02	1.360E-02	9.981E-03	5.317E-03	1.786E-03
57	9.284E-03	1.354E-C2	1.240E-02	8.552E-03	4.511E-03	1.595E-03
60	8.410E-03	1.212E-02	1.092E-02	7.408E-03	4.092E-03	1.392E-03
63	7.841E-03	1.067E-02	9.601E-03	6.579E-03	3.472E-03	1.125E-03
66	6.900E-03	1.005E-02	8.3876-03	5.858E-03	3.209E-03	9.967E-04
69	6.478E-03	8,560E-03	8.C37E-03	5.122E-03	2.747E-03	5.100E-04
72	5.787E-03	7.923E-03	6.982E-03	4.765E-03	2.409E-03	7.846E-C4
75	5.213E-03	6.914E-03	5.971E-03	4.039E-03	2.179E-03	6.748E-04
78	4.970E-03	6.401E-03	5.338E-03	3.618E-03	1.854E-03	6.017E-04
81	4.265E-03	5.762E-03	4.948E-03	3.468E-03	1.622E-03	5.031E-C4
84	4.078E-03	5.406E-03	4.445E-03	2.990E-03	1.429E-03	4.721E-04
87	3.849E-03	4.787E-03	3.695E-03	2.5316-03	1.307E-03	2.958E-04
gn	3.19nE-03	4.417E-03	3.316E-03	2.346E-03	1.159E-03	3.283E-04
93	3.040E-03	4.053E-03	3.109E-03	1.972E-03	1.0456-03	3.071E-04
a 6	2.698E-03	3.654E-13	2.825E-03	1.703E-03	9.354E-04	2.694E-04
ġġ	2.700E-03	3.176E-C3	2.698E-03	1.579E-03	7.079E-04	2.153E-04
102	2.2C2E-03	3.014E-03	2.316E-03	1.296E-03	6.195E-04	1.670E-04
105	2.078E-03	2.447E-03	1.860E-03	1.165E-03	5.495E-04	1.698E-C4
108	1.869E-03	2.324E-C3	1.774E-03	9.087E-04	5.017E-04	1.279E-04
111	1.794E-03	1.933E-03	1.549E-03	8.999E-04	4.343E-04	9.226E-C5
114	1.613E-03	1.808E-03	1.349E-03	7.774E-04	3.5026-04	5.777E-05
117	1.380E-03	1.497E-03	1.097E-03	6.850E-04	2.441E-04	9.030E-05
127	1.2546-03	1.187E-03	1.073E-03	6.002E-04	2.289E-04	6.498E-05
123	1.1416-03	1.283E-C3	9.032E-04	4.822E-04	1.996E-04	4.5826-05
176	9.633E-04	1.185E-03	6.810E-04	4.130E-04	1.593E-04	3.169E-05
179	8.151E-04	8.247E-04	6.046E-04	3.667E-04	1.106E-04	2.747E-05
132	7.314E-C4	8.1166-04	5.578E-04	2.202E-04	8.257E-05	1.831E-05
135	6.947E-04	5.985E-C4	4.558E-04	Z-112E-04	5.146E-05	1.314E-05
138	5.423E-04	4.276E-C4	3.200E-04	1.323E-04	4.476E-05	1.437E-05
141	4.714E-C4	3.663E-04	2.928E-04	8.4406-05	2.5416-05	6.590E-06
144	3.657E-C4	2.840E-04	1.836E-04	7.681E-05	1.4756-05	6.629E-06
147	2.501E-04	2.759E-04	8.3626-05	2.4376-05	1.488E-05	3.256E-06
150	2.298E-04	1.2936-04	5.272E-05	3.503E-05	1.2648-05	2.605E-06
153	1.0248-04	8.888E-C5	Z.039E-05	3.134E-05	1.686E-05	1.302E-06

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CHANNE	ENERGY KEV	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
1	4.074E 01	0.0		4.342E-11	
2	5.709E 01	0.0		3.475E-11	
3	7.343E 01	0.0		3.458E-11	
4	8.978E 01	0.0		3.814E-11	
5	1.C61E 02	2.455E-C1		4.623E-11	
6	1.225E 02	9.001E-01	1.735E-01	5.526E-11	9.587E-12
7	1.388E 02	9.845E-01		6.482E-11	
9	1.552E 02	9.747E-01		7.572E-11	
9	1.715E 02	9.859E-01	1.818E-01	8.682E-11	1.579E-11
10	1.879E ^2	9.868E-01		9.762E-11	
11	2.C42E 02	5.885E-C1		1.039E-10	
12	2.206E 02	1.001E 00	1.4666-01	1.194E-10	1.750E-11
13	2.369E 02	1.011E 00		1.308E-10	
14	2.533E 02	1.023E 0C		1.416E-10	
15	2.696E 02	1.042E 00	1.209E-01	1.528E-10	1.847E-11
16	2.860E 02	1.065E 00		1.626E-10	
17	3.°23E 02	1.087E 00		1.732E-10	
18	3.187E 02	1.104E 00	1.012E-01	1.822E-10	1.843E-11
19	3.350E 02	1.126E 00		1.925E-10	
20	3.513E ^2	1.149E CO		2.0286-10	
21	3.677E C2	1.165E 00	8.700E-02	2.118E-10	1.843E-11
22	3.84CE C2	1.182E 00		2.2108-10	
23	4.004E 02	1.20CE CO		2.303E-10	
24	4.167E C2	1.212E 00	7.391E-02	2.404E-10	1.777E-11
25	4.331E 02	1.227E 00		2.492E-10	
26	4.494E 02	1.244E 00		2.577E-10	
27	4.658E C2	1.257E 00	6.339E-02	2.655E-10	1.680E-11
28	4.821E 02	1.273E 00		2.741E-10	
29	4.985E 02	1.291E 00		2.822E-10	
30	5.148E OŽ	1.304E CC	5.473E-02	2.913E-10	1.594E-11
31	5.312E 02	1.317E 00		3.000E-10	
32	5.475E 02	1.330E 00		3.078E-10	
33	5.639E 02	1.341E 00	4.713E-02	3.162E-10	1.490E-11
34	5.802E 02	1.354E CC		3.245E-10	
35	5.966E 02	1.369E 00		3.324E-10	
36	6.129E 02	1.382E CC	4.139E-02	3.412E-10	1.412E-11
37	6.293E 02	1.395E 0C	•	3.500E-10	
38	6.456E 02	1.410E 00		3.579E-10	
39	6.620E 02	1.421E 00	3.646E-02	3.657E-10	1.3336-11
40	6.783E C2	1.431E 00		3.736E-10	

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CHANNE	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	6.947E 02	1.441E CO		3.814E-10	
42	7.11CE 02	1.449E CC	3.164E-02	3.906E-10	1.236E-11
43	7.273E 02	1.458E 00		4.000E-10	
44	7.437E C2	1.466E 00		4.072E-10	
45	7.600E 02	1.477E CC	2.782E-02	4.152E-10	1.1556-11
46	7.764E C2	1.490E 00		4.236E-10	
47	7.927E 02	1.503E 00		4.308E-10	
48	8.091E 02	1.516E CO	2.502E-02	4.3916-10	1.099E-11
49	8.254E C2	1.530E 00		4.482E-10	
50	8.418E 02	1.543E 00		4.554E-10	
51	8.581E 02	1.554E 00	2.249E-02	4.629E-10	1.041E-11
52	8.745E 02	1.564E 00		4.707E-10	
53	8.908E 02	1.57CE 00		4.780E-10	
54	5.C72E C2	1.58CE 00	1.9726-02	4.857E-10	9.580E-12
55	9.235E 02	1.594E 00		4.942E-10	
5 C	9.399E C2	1.608E 00		5.015E-10	
57	5.562E 02	1.622E 00	1.796E-02	5.090E-10	9.142E-12
58	9.726E C2	1.636E CO		5.168E-10	
59	5.889E C2	1.647E 00		5.241E-10	
69	1.CO5E 03	1.658E 00	1.627E-02	5.313E-10	8.643E-12
61	1.022E 03	1.670E 00		5.385E-10	
62	1.038E 03	1.678E 00		5.457E-10	
63	1.C54E 03	1.688E OC	1.459E-02	5.529E-10	8.069E-12
64	1.071E 03	1.704E 00		5.601E-10	
65	1.C87E 03	1.718E 00		5.668E-10	
66	1.103E 03	1.73CE 90	1.346E-02	5.735E-10	7.721E-12
67	1.120E 03	1.745E 00		5.807E-10	
68	1.136E 03	1.757E 00		5.874E-10	
69	1.152E 03	1.770E 00	1.238E-02	5.941E-10	7.352E-12
70	1.169E 03	1.787E CC		6.012E-10	
71	1.185E C3	1,805E CC		6.080E-10	
72	1.201E 03	1.821E CO	1.144E-02	6.145E-10	7.031E-12
73	1.218E 03	1.825E OC		6.204E-10	
74	1.234E 03	1.825E 00		6.267E-10	
75	1.250E C3	1.822E 00	9.943E-03	6.332E-10	6.296E-12
76	1.267E 03	1.844E 00		6.391E-10	
77	1.283E 03	1.862E 00		6.449E-10	
78	1.300E 03	1.875E CO	9.251E-03	6.508E-10	6.021E-12
79	1.316E C3	1.896E 00		6.567E-10	
80	1.332E 03	1.914E 00		6.629E-10	

911.349E 0.3 1.929E 0.0 8.662E-0.36.694E-105.799E-12 82 1.365E0.31.947E0.06.754E-106.754E-106.754E-10 83 1.391E0.31.965E0.08.068E-0.36.871E-105.544E-12 85 1.414E0.31.985E0.08.068E-0.36.975E-105.020E-12 86 1.430E0.31.985E0.07.025E-0.37.145E-105.020E-12 86 1.463E0.31.996E0.07.225E-104.714E-12 91 1.512E0.32.015E0.07.315E-104.714E-12 91 1.512E0.32.067E0.07.373E-107.373E-10 92 1.528E0.32.067E0.07.434E-104.511E-12 94 1.561E0.32.096E0.07.665E-104.511E-12 94 1.561E0.32.107E0.07.665E-104.180E-12 97 1.610E0.32.127E0.07.927E-104.101E-12 97 1.610E0.32.138E0.07.927E-101.0 100 1.659E0.32.138E0.07.927E-101.0 101 1.676E0.32.139E0.07.927E-101.0 101 1.679E0.32.139E0.08.159E-103.139E-12 102 1.692E0.32.139E0.08.159E-103.139E-12 103 1.704E0.3	CHANNEL	L ENERG Kev	Y	CORR • F	ACT.	ENGY.SPEC. Photons/mev -Electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
A2 1.365E 0.3 1.947E 0.0 6.754E=10 B3 1.381E 0.3 1.965E 0.0 6.813E=10 5.544E=12 B5 1.414E 0.3 1.986E 0.0 7.025E=00 7.073E=10 B6 1.430E 0.3 1.986E 0.0 7.025E=03 7.145E=10 5.020E=12 B6 1.463E 0.3 1.986E 0.0 7.025E=03 7.145E=10 5.020E=12 B7 1.447E 0.3 1.986E 0.0 7.025E=03 7.145E=10 5.020E=12 B8 1.463E 0.3 2.015E 0.0 7.202E=10 7.315E=10 4.714E=12 91 1.512E 0.3 2.017E 0.0 6.444E=03 7.315E=10 4.714E=12 92 1.528E 0.3 2.069E 0.0 7.434E=10 9.511E=10 4.511E=12 93 1.545E 0.3 2.107E 0.6 5.438E=03 7.665E=10 4.511E=12 94 1.561E 0.3 2.127E 0.0 5.099E=03 7.8645E=10 4.010E=12 <th>81</th> <th>1.349E</th> <th>•3</th> <th>1.929E</th> <th>90</th> <th>8.662E-03</th> <th>6.694E-10</th> <th>5.799E-12</th>	81	1.349E	•3	1.929E	90	8.662E-03	6.694E-10	5.799E-12
83 1.381E C3 1.965E CC 6.813E-10 84 1.398E C3 1.984E 00 8.668E-03 6.871E-10 85 1.414E 03 1.986E C0 6.975E-10 86 1.439E 03 1.985E C0 7.073E-10 87 1.447E 03 1.986E 00 7.025E-03 7.145E-10 87 1.447E 03 1.986E 00 7.202E-10 88 1.463E 03 2.077E 00 6.444E-03 7.373E-10 90 1.496E 03 2.077E 00 6.444E-03 7.373E-10 91 1.512E 03 2.046E 00 7.373E-10 4.714E-12 91 1.528E 03 2.065E 00 7.434E-10 4.511E-12 94 1.561E 03 2.090E 00 7.434E-10 4.511E-12 94 1.651E 03 2.090E 00 7.620E-10 4.180E-12 97 1.610E 03 2.172E 00 5.099E-03 7.865E-10 4.180E-12 97 1.643E 03 2.172E 00 5.099E-03 7.865E-10 4.010E-12 100 1.659E 03 2.189E 0C 7.922TE-10 101 1.6626E 03 2.189E<	82	1.365E	03	1.947E	00		6.754E-10	
A4 1.986E C3 1.986E CC 6.871E-10 5.544E-12 85 1.414E C3 1.985E CC 6.975E-10 5.020E-12 86 1.430E C3 1.985E CC 7.073E-1C 5.020E-12 87 1.447E C3 1.985E CC 7.073E-1C 5.020E-12 88 1.463E C3 1.998E CC 7.073E-1C 5.020E-12 93 1.479E C3 2.015E C0 7.315E-1C 4.714E-12 91 1.512E C3 2.046E 00 7.373E-1C 4.714E-12 93 1.545E C3 2.080E 00 7.434E-1C 9 93 1.545E C3 2.080E 00 7.636E-1C 4.511E-12 94 1.561E 03 2.090E 0C 7.650E-1C 4.180E-12 97 1.610E 03 2.127E 00 7.650E-1C 4.180E-12 97 1.610E 03 2.138E 0C 7.992E-1C 4.010E-12 100 1.659E 03 2.184E 00 7.992E-1C 4.010E-12 100 1.659E 03 2.195E 0C 8.106E-10 3.592E-12 101 1.676E 03 2.195E 0C 8.106E-10 3.592E-12	83	1.381E	C3	1.965E	0.0		6.813E-10	
851.414E031.985ECC $6.975E-10$ 861.430E031.985ECC $7.073E-10$ 871.447E031.985ECC $7.073E-10$ 881.463E031.998ECC $7.202E-10$ 911.479EC32.015ECC $7.202E-10$ 911.479EC32.015ECC $7.202E-10$ 911.512E032.027ECC $7.373E-10$ 921.528EC32.065ECC $7.434E-10$ 931.545EC32.080EC0 $7.560E-10$ 941.561E032.090EC $7.560E-10$ 951.577E032.098EC0 $7.6620E-10$ 961.654E032.107EC0 $5.438E-03$ $7.685E-10$ 971.610E032.127EC0 $7.992E-10$ $4.180E-12$ 971.6443EC32.135ECC $7.992E-10$ $4.010E-12$ 1071.659E032.184EC0 $7.992E-10$ $3.592E-12$ 1071.642EC32.195ECC $8.106E-10$ $3.139E-12$ 1071.692EC32.234ECC $8.305E-10$ $3.139E-12$ 1071.774EC32.222ECC $8.305E-10$ $3.139E-12$ 1071.774EC32.234ECC $8.305E-10$ $3.139E-12$ 1071.774EC32.2302ECC $8.305E-10$ $3.139E-12$ 1	84	1.398E	C3	1.984E	00	8.06BE-03	6.871E-10	5.544E-12
86 1.430E 03 1.985E CC 7.025E-03 7.145E-10 5.020E-12 87 1.447E 03 1.998E 00 7.202E-10 7.145E-10 5.020E-12 89 1.447E 03 2.015E 00 7.256E-10 4.714E-12 91 1.512E 03 2.065E CO 7.434E-10 4.511E-12 92 1.528E 03 2.065E CO 7.434E-10 4.511E-12 93 1.545E 03 2.069E 00 7.620E-10 4.511E-12 94 1.561E 03 2.090E 00 7.6620E-10 4.511E-12 94 1.561E 03 2.107E 00 5.438E-03 7.685E-10 4.180E-12 95 1.577E 03 2.098E 00 7.927E-10 - - 96 1.643E 03 2.172E 07 5.059E-03 7.864E-10 4.010E-12 107 1.659E 03 2.193E 0C 7.992E-10 - - 107 1.642E 03 <td< td=""><td>85</td><td>1.414E</td><td>03</td><td>1.986E</td><td>ÇC</td><td></td><td>6.975E-10</td><td></td></td<>	85	1.414E	03	1.986E	ÇC		6.975E-10	
87 1.447E 03 1.998E 00 7.025E-03 7.145E-10 5.020E-12 88 1.496E 03 1.998E 00 7.202E-10 7.256E-10 90 1.496E 03 2.015E 00 7.315E-10 4.714E-12 91 1.512E 03 2.065E 00 7.434E-10 4.511E-12 93 1.545E 03 2.069E 00 7.620E-10 4.511E-12 94 1.551E 03 2.069E 00 7.620E-10 4.511E-12 94 1.564E 03 2.107E 00 5.438E-03 7.665E-10 4.180E-12 97 1.610E 03 2.127E 00 7.927E-10 4.610E-12 97 1.640E 03 2.172E 01 7.927E-10 1.01E-12 100 1.659E 03 2.189E 02 7.927E-10 1.01E-12 101 1.676E 03 2.193E 02 8.051E-10 3.592E-12 101 1.676E 03 2.195E 02 8.106E-10 3.13	86	1.430E	03	1.985E	CQ		7.073E-10	
88 1.463E 1.998E 00 7.202E-10 91 1.479E 2.015E 00 7.256E-10 91 1.512E 03 2.027E 00 6.444E-03 7.315E-10 4.714E-12 91 1.512E 03 2.046E 00 7.373E-10 7.434E-10 93 1.545E 03 2.069E 00 7.434E-10 4.511E-12 94 1.561E 03 2.090E 00 7.560E-10 4.511E-12 94 1.564E 03 2.090E 00 7.622E-10 4.511E-12 94 1.564E 03 2.090E 00 7.665E-10 4.511E-12 97 1.610E 03 2.107E 00 5.438E-03 7.665E-10 4.180E-12 97 1.610E 03 2.127E 00 5.099E-03 7.865E-10 4.010E-12 100 1.659E 03 2.184E 00 7.927E-10 1.011 1.676E 3.2195E 00 8.051E-10 3.592E-12 101 1.678E 03 2.195E <t< td=""><td>87</td><td>1.447E</td><td>03</td><td>1.984E</td><td>00</td><td>7.0256-03</td><td>7.145E-10</td><td>5.020E-12</td></t<>	87	1.447E	03	1.984E	00	7.0256-03	7.145E-10	5.020E-12
A9 $1.479E$ $C3$ $2.015E$ 0.0 $7.256E-10$ $4.714E-12$ 91 $1.512E$ 03 $2.027E$ 0.0 $6.444E-03$ $7.315E-10$ $4.714E-12$ 92 $1.528E$ 03 $2.065E$ 00 $7.434E-10$ $7.434E-10$ 93 $1.545E$ 03 $2.008E$ 00 $7.434E-10$ $4.511E-12$ 94 $1.561E$ 03 $2.098E$ 00 $7.620E-10$ $4.511E-12$ 95 $1.577E$ 03 $2.098E$ 00 $7.620E-10$ $4.180E-12$ 97 $1.61^{0}E$ 03 $2.127E$ 00 $7.746E-10$ $4.180E-12$ 97 $1.61^{0}E$ 03 $2.127E$ 00 $7.992E-10$ $4.180E-12$ 97 $1.61^{0}E$ 03 $2.172E$ 00 $7.992E-10$ $4.010E-12$ 100 $1.659E$ 03 $2.183E$ 00 $7.927E-10$ $7.992E-10$ 101 $1.676E$ 03 $2.193E$ 00 $7.992E-10$ $3.592E-12$ 103 $1.708E$ 03 $2.193E$ 00 $8.159E-10$ $3.139E-12$ 103 $1.741E$ 03 $2.203E$ 00 $8.328E-03$ $8.198E-10$ $3.139E-12$ 104 $1.725E$ 03 $2.392E$ 00 $8.328E-10$ $8.305E-10$ 107 $1.774E$ 03 $2.302E$ 00 $8.426E-10$ $2.795E-12$ 106 $1.790E$ 03 $2.340E$ 03 $3.271E-03$ $8.545E-10$ $2.795E-12$ 103 $1.89E$	88	1.463E	03	1.998E	00		7.202E-10	
90 1.496E 03 2.077E 0C 6.444E-03 7.315E-10 4.714E-12 91 1.512E 03 2.065E 00 7.373E-10 7.373E-10 92 1.528E 03 2.065E 00 7.434E-10 4.511E-12 93 1.545E 03 2.080E 00 6.015E-03 7.499E-10 4.511E-12 94 1.561E 03 2.090E 0C 7.56CE-10 4.511E-12 94 1.561E 03 2.107E 0C 5.438E-03 7.685E-10 4.180E-12 97 1.610E 03 2.127E 00 7.746E-10 7.746E-10 99 1.643E 03 2.172E 00 5.099E-03 7.864E-10 4.010E-12 100 1.659E 03 2.189E 0C 7.992E-10 1.01E-12 101 1.676E 03 2.193E 0C 8.051E-10 3.592E-12 103 1.708E 03 2.195E 0C 8.106E-10 3.139E-12 104 1.755E 03 2.195E 0C 8.106E-10 3.139E-12 105 1.741E 03 2.222E 0C 8.305E-10 3.139E-12 106 1.757E 03 2.322E 0C 8.305E-10 3.139E-12	89	1.479E	C3	2.015E	00		7.256E-10	
911.512E0.32.066E0.07.373E-10921.528E0.32.066E0.06.015E-0.37.434E-10931.565E0.32.080E0.07.560E-104.511E-12941.561E0.32.090E0.07.660E-104.511E-12951.577E0.32.098E0.07.660E-104.180E-12971.610E0.32.127E0.07.685E-104.180E-12971.610E0.32.153E0.07.805E-104.010E-12981.626E0.32.189E0.07.927E-104.010E-121001.659E0.32.189E0.07.992E-101.010E-121011.676E0.32.193E0.08.051E-103.592E-121021.692E0.32.193E0.08.198E-103.139E-121031.708E0.32.195E0.08.198E-103.139E-121041.725E0.32.222E0.08.246E-103.139E-121051.741E0.32.302E0.08.245E-102.989E-121061.790E0.32.302E0.08.255E-102.795E-121121.863E0.32.392E0.08.645E-102.795E-121121.865E0.32.362E0.08.641E-102.586E-121141.898E0.32.397E0.08.6425E-102.586E-121151.904E0.32.398E0	90	1.496E	03	2.027E	00	6.444E-03	7.315E-10	4.714E-12
921.528E032.065E007.434E-10931.545E032.090E007.4699E-104.511E-12941.561E032.090E007.660E-10951.577E032.107E00 $7.685E-10$ 4.180E-12971.610E032.127E00 $7.746E-10$ 981.626E032.153E00 $7.805E-10$ 991.643E032.172E00 $7.927E-10$ 1001.659E032.184E00 $7.927E-10$ 1011.669E032.193E00 $7.992E-10$ 1021.692E032.193E00 $7.992E-10$ 1031.708E032.195E00 $8.159E-10$ 1041.725E032.195E00 $8.159E-10$ 1051.741E032.223E00 $8.246E-10$ 1061.757E032.224E00 $8.305E-10$ 1071.774E032.302E00 $8.425E-10$ 1081.790E032.321E00 $8.425E-10$ 1101.806E032.302E00 $8.641E-10$ 1111.839E032.397E00 $8.641E-10$ 1121.855E032.397E00 $8.641E-10$ 1131.872E032.387E00 $8.687E-10$ 1141.888E032.397E00 $8.689E-10$ 1151.904E032.381E <td< td=""><td>91</td><td>1.512E</td><td>03</td><td>2.046E</td><td>20</td><td></td><td>7.373E-10</td><td></td></td<>	91	1.512E	03	2.046E	20		7.373E-10	
931.545E032.080E006.015E-037.499E-104.511E-12941.561E032.090E007.560E-109.511E-12951.577E032.098E007.622E-10961.594E032.107E005.438E-037.685E-10971.610E032.127E007.746E-10971.662E032.153E007.865E-10991.643E032.172E005.099E-037.864E-101001.659E032.184E007.992E-101011.676E032.193E007.992E-101021.692E032.195E008.159E-101031.708E032.195E008.159E-101041.725E032.195E003.828E-038.198E-101051.741E032.222E008.246E-103.139E-121061.757E032.2280E003.574E-038.305E-101071.774E032.302E003.574E-038.364E-101091.806E032.302E003.271E-038.545E-101091.805E032.392E003.271E-038.641E-101111.839E032.399E028.695E-102.795E-121121.855E032.397E008.641E-102.586E-121131.872E032.381E002.451E-0	92	1.528E	03	2.065E	00		7.434E-10	
94 1.561E 03 2.090E 0C 7.56CE-10 95 1.577E 03 2.098E 00 7.62CE-10 96 1.594E 03 2.107E 0C 5.438E-03 7.685E-10 4.180E-12 97 1.610E 03 2.127E 00 7.746E-10 4.010E-12 97 1.643E 03 2.172E 00 5.099E-03 7.864E-10 4.010E-12 100 1.659E 03 2.184E 00 7.992E-10 101 1.676E 03 2.193E 0C 8.051E-10 3.592E-12 101 1.676E 03 2.195E 0C 8.106E-10 3.592E-12 103 1.708E 03 2.195E 0C 8.106E-10 3.139E-12 104 1.725E 03 2.195E 0C 8.305E-10 3.139E-12 105 1.741E 03 2.203E 0C 8.305E-10 3.139E-12 105 1.741E 03 2.302E 0C 8.305E-10 2.9898E-12 106 1.757E 03 <td>93</td> <td>1.545E</td> <td>03</td> <td>2.080E</td> <td>00</td> <td>6.015E-03</td> <td>7.499E-10</td> <td>4.511E-12</td>	93	1.545E	03	2.080E	00	6.015E-03	7.499E-10	4.511E-12
951.577E032.098E00 $7.62CE-10$ 961.594E032.107E00 $5.438E-03$ $7.685E-10$ 971.610E032.127E00 $7.746E-10$ 981.626E032.153ECC $7.805E-10$ 991.643E032.172E00 $5.099E-03$ $7.864E-10$ 1001.659E032.184E00 $7.927E-10$ 1011.676E032.193E0C $7.992E-10$ 1021.692E032.195E0C $8.106E-10$ 1031.708E032.195E0C $8.159E-10$ 1041.725E032.195E0C $8.559E-10$ 1051.741E032.203E0C $8.246E-10$ 1061.757E032.280E0C $8.305E-10$ 1071.774E032.280E0C $8.425E-10$ 1081.790E032.280E0C $8.425E-10$ 1091.806E032.321E0C $8.425E-10$ 1101.823E032.321E0C $8.641E-10$ 1111.839E032.399E0C $8.641E-10$ 1121.855E032.399E0C $8.641E-10$ 1131.872E032.381E00 $8.641E-10$ 1141.888E032.399E0C $8.786E-10$ 1151.904E032.381E00 $2.451E-03$ $8.839E-10$ 1161.921E <td>94</td> <td>1.561E</td> <td>03</td> <td>2.090E</td> <td>00</td> <td></td> <td>7.56°E-10</td> <td></td>	94	1.561E	03	2.090E	00		7.56°E-10	
96 1.594E 03 2.107E 00 5.438E-03 7.685E-10 4.180E-12 97 1.610E 03 2.127E 00 7.746E-10 7.746E-10 98 1.626E 03 2.153E 00 7.805E-10 4.010E-12 99 1.643E 03 2.172E 00 5.099E-03 7.864E-10 4.010E-12 100 1.659E 03 2.189E 00 7.927E-10 7.992E-10 101 1.676E 03 2.195E 00 7.992E-10 3.592E-12 103 1.708E 03 2.195E 00 8.106E-10 3.592E-12 104 1.725E 03 2.195E 00 8.198E-10 3.139E-12 105 1.741E 03 2.203E 00 3.828E-03 8.198E-10 3.139E-12 107 1.774E 03 2.254E 00 8.364E-10 2.989E-12 108 1.790E 03 2.321E 00 8.425E-10 2.795E-12 110 1.823E 03 2.362E 00 <	95	1.577E	03	2.098E	00		7.620E-10	
97 1.61°E 03 2.127E 00 7.746E-10 98 1.626E 03 2.153E CC 7.805E-10 99 1.643E 03 2.172E 00 5.099E-03 7.864E-10 4.010E-12 100 1.659E 03 2.184E 00 7.927E-10 1.01 1.676E 03 2.189E 0C 7.992E-10 101 1.676E 03 2.193E 0C 4.462E-03 8.051E-10 3.592E-12 103 1.708E 03 2.195E 0C 8.106E-10 3.139E-12 104 1.725E 03 2.195E 0C 8.159E-10 3.139E-12 105 1.741E 03 2.203E 0C 3.828E-03 8.198E-10 3.139E-12 106 1.757E 03 2.254E 0C 8.305E-10 3.139E-12 106 1.757E 03 2.280E 00 3.574E-03 8.364E-10 2.989E-12 109 1.806E 03 2.302E 0C 8.491E-10 111 1.823E 03 2.321E 0C 8.491E-10 111 1.839E 03 2.340E 0C 3.271E-03 8.641E-10 2.795E-12 112 1.855E 03 2.387E 0C 8.641E-10 2.795E-12 113	96	1.594E	03	2.107E	00	5.438E-03	7.685E-10	4.180E-12
981.626E032.153ECC7.805E-10991.643E032.172E00 $5.099E-03$ 7.864E-10 $4.010E-12$ 1001.659E032.184E007.992E-10 $7.992E-10$ 1011.676E032.193E0C $4.462E-03$ $8.051E-10$ $3.592E-12$ 1031.708E032.195E0C $8.106E-10$ $3.592E-12$ 1041.725E032.195E0C $8.106E-10$ $3.139E-12$ 1051.741E032.222E0C $8.246E-10$ $3.139E-12$ 1061.757E032.280E0C $3.574E-03$ $8.364E-10$ $2.989E-12$ 1071.774E032.280E0C $8.425E-10$ $2.989E-12$ 1081.790E032.280E0C $8.425E-10$ $2.989E-12$ 1091.806E032.302E0C $8.491E-10$ 111 1111.839E032.340E0C $3.271E-03$ $8.545E-10$ $2.795E-12$ 1121.855E032.387E0C $8.641E-10$ 114 $1.888E$ 03 $2.399E$ 0C $2.977E-03$ $8.687E-10$ $2.586E-12$ 1151.904E032.381E00 $2.451E-03$ $8.839E-10$ $2.166E-12$ 1141.953E03 $2.393E$ 0C $8.992E-10$ $1.976E-03$ $2.424E$ 0.06 1171.937E03 $2.458E$ 0C $2.248E-03$ $8.997E-10$ $2.023E-12$	97	1.610E	03	2.127E	0.0		7.746E-10	
99 1.643E 03 2.172E 00 5.099E-03 7.864E-10 4.010E-12 100 1.659E 03 2.184E 00 7.927E-10 7.992E-10 101 1.676E 03 2.193E 0C 7.992E-10 3.592E-12 103 1.708E 03 2.195E 0C 8.051E-10 3.592E-12 103 1.708E 03 2.195E 0C 8.106E-10 3.592E-12 104 1.725E 03 2.195E 0C 8.198E-10 3.139E-12 105 1.741E 03 2.203E 0C 3.828E-03 8.198E-10 3.139E-12 106 1.757E 03 2.2254E 0C 8.305E-10 3.139E-12 107 1.774E 03 2.302E 0C 8.425E-10 2.989E-12 109 1.806E 03 2.302E 0C 8.425E-10 2.795E-12 110 1.823E 03 2.340E 0C 3.271E-03 8.545E-10 2.795E-12 111 1.839E 03 2.399E 0C	9.8	1.626E	03	2.153E	CC		7.805E-10	
100 1.659E 03 2.184E 00 7.927E-10 101 1.676E 03 2.189E 00 7.992E-10 102 1.692E 03 2.193E 00 4.462E-03 8.051E-10 3.592E-12 103 1.708E 03 2.195E 00 8.106E-10 3.139E-12 104 1.725E 03 2.195E 00 8.159E-10 3.139E-12 105 1.741E 03 2.203E 00 3.828E-03 8.198E-10 3.139E-12 106 1.757E 03 2.222E 00 8.305E-10 3.139E-12 107 1.774E 03 2.230E 00 8.305E-10 2.989E-12 107 1.774E 03 2.302E 00 8.364E-10 2.989E-12 108 1.790E 03 2.302E 00 8.425E-10 2.795E-12 110 1.823E 03 2.340E 00 3.271E-03 8.641E-10 111 1.839E 03 2.387E 00 8.641E-10 2.586E-12 <td< td=""><td>99</td><td>1.643E</td><td>03</td><td>2.172E</td><td>00</td><td>5.099E-03</td><td>7.864E-10</td><td>4.010E-12</td></td<>	99	1.643E	03	2.172E	00	5.099E-03	7.864E-10	4.010E-12
$1 \cap 1$ $1.676E$ 0.3 $2.189E$ 0.0 $7.992E-10$ $1 \cap 2$ $1.692E$ 0.3 $2.193E$ 0.0 $4.462E-0.3$ $8.051E-10$ $3.592E-12$ $1 \cap 3$ $1.708E$ 0.3 $2.195E$ 0.0 $8.106E-10$ $3.139E-12$ $1 \cap 4$ $1.725E$ 0.3 $2.195E$ 0.0 $8.159E-10$ $3.139E-12$ $1 \cap 4$ $1.725E$ 0.3 $2.203E$ 0.0 $3.828E-0.3$ $8.198E-10$ $3.139E-12$ $1 \cap 6$ $1.757E$ 0.3 $2.222E$ 0.0 $8.246E-10$ $3.139E-12$ $1 \cap 6$ $1.757E$ 0.3 $2.222E$ 0.0 $8.305E-10$ $3.139E-12$ $1 \cap 6$ $1.774E$ 0.3 $2.222E$ 0.0 $8.305E-10$ $2.989E-12$ $1 \cap 7$ $1.774E$ 0.3 $2.230E$ 0.0 $8.425E-10$ $2.989E-12$ $1 \cap 7$ $1.790E$ 0.3 $2.302E$ 0.0 $8.425E-10$ $2.795E-12$ $1 \cap 7$ $1.806E$ 0.3 $2.321E$ 0.0 $8.425E-10$ $2.795E-12$ $1 \cap 1$ $1.823E$ 0.3 $2.340E$ 0.0 $3.271E-03$ $8.545E-10$ $2.795E-12$ $1 \cap 1$ $1.855E$ 0.3 $2.387E$ 0.0 $8.687E-10$ $2.586E-12$ $1 \cap 1$ $1.808E$ 0.3 $2.399E$ 0.0 $8.687E-10$ $2.586E-12$ $1 \cap 1$ $1.808E$ 0.3 $2.381E$ 0.0 $2.451E-03$ $8.839E-10$ $2.166E-12$ $1 \cap 1$ $1.970E$ 0.3 $2.424E$ <t< td=""><td>100</td><td>1.659E</td><td>03</td><td>2.184E</td><td>00</td><td></td><td>7.927E-10</td><td></td></t<>	100	1.659E	03	2.184E	00		7.927E-10	
102 1.692E 03 2.193E 0C 4.462E-03 8.051E-10 3.592E-12 103 1.708E 03 2.195E 0C 8.106E-10 104 1.725E 03 2.195E 0C 8.106E-10 104 1.725E 03 2.195E 0C 8.159E-10 105 1.741E 03 2.203E 0C 3.828E-03 8.198E-10 3.139E-12 106 1.757E 03 2.222E 0C 8.246E-10 3.139E-12 106 1.757E 03 2.2280E 0C 8.305E-10 3.139E-12 107 1.774E 03 2.280E 0C 8.305E-10 2.989E-12 109 1.806E 03 2.302E 0C 8.425E-10 2.795E-12 110 1.823E 03 2.340E 0C 3.271E-03 8.545E-10 2.795E-12 112 1.855E 03 2.362E 0C 8.641E-10 114 113 1.872E 03 2.387E 0C 8.641E-10 2.586E-12 115<	101	1.676E	03	2.189E	00		7.992E-10	
103 1.708E 03 2.195E 00 8.106E-10 104 1.725E 03 2.195E 00 8.159E-10 105 1.741E 03 2.203E 00 3.828E-03 8.198E-10 3.139E-12 106 1.757E 03 2.222E 00 8.246E-10 3.139E-12 106 1.757E 03 2.2254E 00 8.305E-10 3.139E-12 107 1.774E 03 2.2280E 00 3.574E-03 8.364E-10 2.989E-12 108 1.790E 03 2.302E 00 8.425E-10 2.989E-12 109 1.806E 03 2.312E 00 8.425E-10 2.795E-12 110 1.823E 03 2.340E 00 3.271E-03 8.545E-10 2.795E-12 111 1.893E 03 2.399E 00 3.271E-03 8.687E-10 2.586E-12 113 1.872E 03 2.387E 00 8.641E-10 114 1.888E 03 2.399E 00 8.687E-10 2.166E-12	102	1.692E	03	2.193E	00	4.462E-03	8.051E-10	3.592E-12
104 1.725E 03 2.195E 00 3.828E-03 8.159E-10 105 1.741E 03 2.203E 00 3.828E-03 8.198E-10 3.139E-12 106 1.757E 03 2.222E 00 8.246E-10 107 1.774E 03 2.224E 00 8.305E-10 108 1.790E 03 2.280E 00 3.574E-03 8.364E-10 2.989E-12 109 1.806E 03 2.302E 00 8.425E-10 2.795E-12 110 1.823E 03 2.340E 00 3.271E-03 8.545E-10 2.795E-12 111 1.893E 03 2.340E 00 3.271E-03 8.545E-10 2.795E-12 112 1.855E 03 2.362E 00 8.641E-10 113 113 1.872E 03 2.399E 00 2.977E-03 8.687E-10 2.586E-12 115 1.904E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 116 1.921E 03 2.393E	103	1.708E	03	2.195E	C C		8.106E-10	
105 1.741E 03 2.203E 00 3.828E-03 8.198E-10 3.139E-12 106 1.757E 03 2.222E 00 8.246E-10 8.305E-10 107 1.774E 03 2.254E 00 8.305E-10 2.989E-12 108 1.790E 03 2.280E 00 3.574E-03 8.364E-10 2.989E-12 109 1.806E 03 2.302E 00 8.425E-10 2.989E-12 110 1.823E 03 2.321E 00 8.425E-10 2.795E-12 111 1.893E 03 2.340E 00 3.271E-03 8.545E-10 2.795E-12 112 1.855E 03 2.362E 00 8.641E-10 2.795E-12 113 1.872E 03 2.387E 00 8.641E-10 2.586E-12 114 1.888E 03 2.399E 00 2.977E-03 8.687E-10 2.586E-12 115 1.904E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 118 1.953E 0	104	1.725E	03	2.195E	0.0		8.159E-10	
106 1.757E 03 2.222E 00 8.246E-10 107 1.774E 03 2.254E 00 8.305E-10 108 1.790E 03 2.280E 00 3.574E-03 8.364E-10 2.989E-12 109 1.806E 03 2.302E 00 8.425E-10 111 110 1.823E 03 2.321E 00 8.491E-10 111 1.839E 03 2.340E 00 3.271E-03 8.545E-10 2.795E-12 112 1.855E 03 2.362E 00 8.595E-10 2.795E-12 113 1.872E 03 2.387E 00 8.641E-10 114 1.888E 03 2.399E 00 2.977E-03 8.687E-10 2.586E-12 115 1.904E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 116 1.921E 03 2.393E 00 8.451E-03 8.839E-10 2.166E-12 117 1.937E 03 2.393E 00 8.692E-10 8.992E-10	105	1.741E	63	2.203E	00	3.828E-03	8.198E-10	3.139E-12
107 1.774E 03 2.254E 0C 8.305E-10 108 1.790E 03 2.280E 00 3.574E-03 8.364E-10 2.989E-12 109 1.806E 03 2.302E 0C 8.425E-10 111 110 1.823E 03 2.321E 0C 8.491E-10 111 1.839E 03 2.340E 0C 3.271E-03 8.545E-10 2.795E-12 112 1.855E 03 2.362E 0C 8.595E-10 2.795E-12 113 1.872E 03 2.387E 0C 8.641E-10 114 1.888E 03 2.399E 0C 2.977E-03 8.687E-10 2.586E-12 115 1.904E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 116 1.921E 03 2.393E 0C 8.839E-10 2.166E-12 118 1.953E 03 2.424E 00 8.951E-10 1.9023E-12 120 1.986E 03 2.458E 0C 2.248E-03 8.997E-10 <t< td=""><td>106</td><td>1.757E</td><td>C 3</td><td>2.222E</td><td>0.0</td><td></td><td>8.246E-10</td><td></td></t<>	106	1.757E	C 3	2.222E	0.0		8.246E-10	
108 1.790E 03 2.280E 00 3.574E-03 8.364E-10 2.989E-12 109 1.806E 03 2.302E 00 8.425E-10 8.425E-10 110 1.823E 03 2.321E 00 8.491E-10 111 1.839E 03 2.340E 00 3.271E-03 8.545E-10 2.795E-12 112 1.855E 03 2.362E 00 3.271E-03 8.545E-10 2.795E-12 113 1.872E 03 2.387E 00 3.277E-03 8.687E-10 2.586E-12 113 1.872E 03 2.397E 00 8.641E-10 114 114 1.888E 03 2.399E 00 2.977E-03 8.687E-10 2.586E-12 115 1.904E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 116 1.921E 03 2.393E 00 8.451E-03 8.839E-10 2.166E-12 118 1.953E 03 2.424E 00 8.951E-10 3.023E-12 120 1.98	107	1.774E	C3	2.254E	0 C		8.305E-10	
109 1.806E 03 2.302E 0C 8.425E-10 110 1.823E 03 2.321E 0C 8.491E-10 111 1.839E 03 2.340E 0C 3.271E-03 8.545E-10 2.795E-12 112 1.855E 03 2.362E 0C 8.595E-10 2.795E-12 113 1.872E 03 2.387E 0C 8.641E-10 114 1.888E 03 2.399E 0C 2.977E-03 8.687E-10 115 1.904E 03 2.401E 0C 8.734E-10 116 1.921E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 117 1.937E 03 2.393E 0C 8.892E-10 1.66E-12 118 1.953E 03 2.424E 00 8.9951E-10 2.023E-12 120 1.986E 03 2.458E 0C 2.248E-03 8.997E-10 2.023E-12	108	1.790E	03	2.280E	00	3.574E-03	8.364E-10	2.989E-12
110 1.823E 03 2.321E 00 8.491E-10 111 1.839E 03 2.340E 00 3.271E-03 8.545E-10 2.795E-12 112 1.855E 03 2.362E 00 8.595E-10 2.795E-12 113 1.872E 03 2.387E 00 8.641E-10 2.586E-12 114 1.888E 03 2.399E 00 2.977E-03 8.687E-10 2.586E-12 115 1.904E 03 2.401E 00 8.734E-10 116 1.921E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 117 1.937E 03 2.393E 00 8.839E-10 2.166E-12 118 1.953E 03 2.393E 00 8.892E-10 119 1.970E 03 2.424E 00 8.951E-10 120 1.986E 03 2.458E 00 2.248E-03 8.997E-10 2.023E-12	109	1.806E	C3	2.302E	00		8.425E-10	
111 1.839E 0.3 2.340E 0.0 3.271E-03 8.545E-10 2.795E-12 112 1.855E 0.3 2.362E 0.0 8.595E-10 8.595E-10 113 1.872E 0.3 2.387E 0.0 8.641E-10 8.641E-10 114 1.888E 0.3 2.397E 0.0 8.687E-10 2.586E-12 115 1.904E 0.3 2.401E 0.0 8.734E-10 8.734E-10 116 1.921E 0.3 2.381E 0.0 2.451E-03 8.839E-10 2.166E-12 117 1.937E 0.3 2.393E 0.0 8.892E-10 8.892E-10 118 1.953E 0.3 2.424E 0.0 8.951E-10 3.023E-12 120 1.986E 0.3 2.458E 0.0 2.248E-0.3 8.997E-10 2.023E-12	110	1.823E	03	2.321E	00		8.491E-10	
112 1.855E (3) 2.362E (0) 8.595E-10 113 1.872E (0) 2.387E (0) 8.641E-10 114 1.888E (0) 2.399E (0) 2.977E-03 8.687E-10 2.586E-12 115 1.904E (0) 2.401E (0) 8.734E-10 8.734E-10 116 1.921E (0) 2.381E (0) 2.451E-03 8.839E-10 2.166E-12 117 1.937E (0) 2.381E (0) 2.451E-03 8.839E-10 2.166E-12 118 1.953E (0) 2.424E (0) 8.992E-10 119 1.986E (0) 2.458E (0) 8.997E-10 2.023E-12	111	1.839E	03	2.340E	0.0	3.271E-03	8.545E-10	2.795E-12
113 1.872E 03 2.387E 00 8.641E-10 114 1.888E 03 2.399E 00 2.977E-03 8.687E-10 2.586E-12 115 1.904E 03 2.401E 00 8.734E-10 8.734E-10 116 1.921E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 117 1.937E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 118 1.953E 03 2.424E 00 8.992E-10 8.951E-10 119 1.970E 03 2.458E 00 2.248E-03 8.997E-10 2.023E-12	112	1.855E	C3	2.362E	C Ç		8.595E-10	
114 1.888E 03 2.399E 0C 2.977E-03 8.687E-10 2.586E-12 115 1.904E 03 2.401E 0C 8.734E-10 116 1.921E 03 2.381E 00 8.786E-10 117 1.937E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 118 1.953E 03 2.393E 0C 8.892E-10 1166E-12 119 1.970E 03 2.424E 00 8.951E-10 120 1.986E 03 2.458E 0C 2.248E-03 8.997E-10 2.023E-12	113	1.872E	03	2.387E	0.0		8.641E-10	
115 1.904E 03 2.401E 00 8.734E-10 116 1.921E 03 2.381E 00 8.786E-10 117 1.937E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 118 1.953E 03 2.393E 00 8.892E-10 8.951E-10 119 1.970E 03 2.424E 00 8.951E-10 120 120 1.586E 03 2.458E 00 2.248E-03 8.997E-10 2.023E-12	114	1.888E	03	2.399E	00	2.977E-03	8.687E-10	2.586E-12
116 1.921E 03 2.381E 00 8.786E-10 117 1.937E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 118 1.953E 03 2.393E 00 8.892E-10 8.892E-10 119 1.970E 03 2.424E 00 8.951E-10 10 120 1.986E 03 2.458E 00 2.248E-03 8.997E-10 2.023E-12	115	1.904E	C3	2.401E	00		8.734E-10	
117 1.937E 03 2.381E 00 2.451E-03 8.839E-10 2.166E-12 118 1.953E 03 2.393E 00 8.892E-10 8.892E-10 119 1.970E 03 2.424E 00 8.951E-10 120 1.586E 03 2.458E 00 2.248E-03 8.997E-10 2.023E-12	116	1.921E	03	2.381E	0.0		8.786E-10	
118 1.953E 03 2.393E 00 8.892E-10 119 1.970E 03 2.424E 00 8.951E-10 120 1.586E 03 2.458E 00 2.248E-03 8.997E-10 2.023E-12	117	1.937E	03	2.381E	00	2.451E-03	8.839E-10	2.166E-12
119 1.970E 03 2.424E 00 8.951E-10 120 1.986E 03 2.458E 00 2.248E-03 8.997E-10 2.023E-12	118	1.953E	C3	2.393E	00		8.892E-10	
120 1.986E 03 2.458E CC 2.248E-03 8.997E-10 2.023E-12	119	1.970E	03	2.424E	00		8.951E-10	
	120	1.986E	03	2.458E	CC	2.248E-03	8.997E-10	2.023E-12

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CHANNE	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-sq CM./ Mev-elec.
121	2.002E 03	2.494E CC		9.038E-10	
122	2.019E 03	2.536E 00		9+090E-10	
123	2.035E 03	2.565E 0C	2.119E-03	9.138E-10	1.936E-12
124	2.052E 03	2.584E CO		9.184E-10	
125	2.C68E 03	2.583E CO		9.230E-10	
126	2.084E 03	2.580E 00	1.786E-03	9.2686-10	1.655E-12
127	2.101E 03	2.575E 00		9.302E-10	
128	2.117E 03	2.559E 0C		9.361E-10	
129	2.133E 03	2.564E 00	1.433E-03	9.416E-10	l.350E-12
130	2.150E 03	2.590E 00		9.469E-10	
131	2.166E 03	2.635E 00		9.515E-10	
132	2.182E 03	2.676E 00	1.286E-03	9.534E-10	1.226E-12
133	2.199E 03	2.712E 0C		9.521E-10	
134	2.215E 03	2.745E 00		9.634E-10	
135	2.231E 03	2.756E 00	1.095E-C3	9.728E-10	1.065E-12
136	2.248E 03	2.732E 00		9.774E-10	
137	2.264E 03	2.668E 00		9.819E-10	
138	2.280E 03	2.636E 00	7.544E-04	2.916E-09	2.200E-12
139	2.297E 03	2.682E 0C		8.772E-09	
140	2.313E 03	2.755E 00		5.266E-09	
141	2.329E 03	2.821E 0C	6.698E-04	1.0126-09	6.777E-13
142	2.346E 03	2.849E 00		1.018E-09	
143	2.362E 03	2.857E 00		1,025E-09	
144	2.378E 03	2.855E CC	4.999E-04	1.031E-09	5.156E-13
145	2.395E 03	2.844E 00		1.038E-09	
146	2.411E 03	2.811E OC		1.049E-09	
147	2.428E 03	2.793E 00	3.255E-04	1.061E-09	3.453E-13
148	2.444E 03	5.805E OC		1.068E-09	
149	2.460E 03	3.054E OC		1.074E-09	
150	2.477E 03	3.243E 0C	2.638E-04	1.081E-09	2.851E-13
151	2.493E C3	3.550E GC		1.087E-09	
152	2.505E 03	2.319E 00		0.0	
153	2.526E 03	C.O	0.0	0.0	0.0
154	2.542E 03	0.0		0.0	

DOSE= 1.818E-11 R-SQ.CM./ELECTRON

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TAR	GET NO. 7 INC	IDENT ELECTRO	N ENERGY 2.	5 MEV		
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PH)	[].
	7.5	15.0	30.0	45.0	60.0	75.0
6	8.483E-C2	1.282E-C1	1.382E-C1	1.0626-01	6.530E-02	2.3785-02
9	8.450E-02	1.252E-01	1.303E-01	9.795E-02	5.930E-02	2.1106-02
12	6.913E-02	1.008E+01	1.0306-01	7.549E-02	4.523E-02	1.601E-02
15	5.6266-02	8.073E-02	8.135E-02	5.899E-02	3.456E-02	1.2008-02
19	4.609E-02	6.446E-02	6.504E-02	4.637E-02	2.701E-02	5.280E-C3
21	3.828E-02	5.421E-02	5.331E-02	3.741E-02	2.156E-02	7.255E-C3
24	3.190E-02	4.422E-C2	4.353E-02	3.016E-02	1.707E-02	5.692E-03
27	2.686E-02	3.6756-02	3.514E-02	2.436E-02	1.374E-02	4.488E-03
30	2.328E-02	3.112E-02	2.972E-02	1.991E-02	1.119E-02	3.588E-C3
33	2.014E-02	2.678E-02	2.47CE-02	1.656E-02	9.086E-03	2.873E-03
36	1.671E-02	2.239E-02	2.156E-02	1.405E-02	7.528E-03	2.3748-03
39	1.471E-02	1.919E-02	1.814E-02	1.188E-02	6.319E-03	1.952E-03
42	1.2856-02	1.725E-02	1.512E-02	9.963E-03	5.283E-03	1.5926-03
45	1.136E-02	1.476E-02	1.3326-02	8.288E-03	4.302E-03	1.318E-03
48	9.985E-03	1.2386-02	1.18CE-02	7.2056-03	3.687E-03	1.1328-03
51	8.7356-03	1.122E-02	1.018E-02	6.188E-03	3.168E-03	1.021E-C3
54	7.768E-03	1.012E-C2	8.664E-03	5.367E-03	2.666E-03	8.270E-04
57	7.015E-03	8.8726-03	7.526E-03	4.682E-03	2.246E-03	6.620E-04
60	6.247E-03	7.5658-03	6.868E-03	4.119E-03	2.CORE-03	5.943E-04
63	5.566E-C3	6.853E-C3	5.8756-03	3.335E-03	1.750E-03	4.935E-04
66	5.039E+03	6.384E-03	5.226E-03	3.276E-03	1.477E-03	4.436E-04
69	4.4986-03	5.536E-03	4.624E-03	2.656E-03	1.285E-03	3.652E-04
72	4.367E-03	5.193E-03	4.136E-03	2.3736-03	1.179E-03	3.325E-04
75	3.779E-03	4.544E-C3	4.041E-03	2.2258-03	9.843E-04	2.864E-04
78	3.408E-03	4.3236-03	3.220E-03	1.7716-03	8.138E-04	2.244E-04
81	2.984E-C3	3.7156-03	2.915E-03	1.666E-03	6.976E-04	1.915E-C4
84	2.755E-03	3.4798-03	2.528E-03	1.426E-03	6.092E-04	1.646E-04
87	2.648E-03	3.1028-03	2.471E-03	1.2376-03	5.548E-04	1.398E-04
90	2.320E-03	2.6538-03	1.992E-03	1.130E-03	4.948E-04	1.284E-C4
93	1.964E-03	2.5C7E-C3	1.914E-03	9.035E-04	3.809E-04	1.041E-04
96	2.015E-03	2.114E-03	1.648E-03	8.959E-04	3.362E-04	7.9356-05
99	1.650E-C3	1.941E-03	1.455E-03	6.869E-04	2.906E-04	7.728E-05
102	1.507E-C3	1.7496-03	1.377E-03	5.324E-04	2.483E-04	4.616E-05
105	1.400E-03	1.532E-03	1.1135-03	4.841E-04	1.905E-04	4.616F-05
108	1.281E-03	1.419E-03	9.578E-04	4.228E-04	1.987E-04	4.248E-05
111	1.153E-03	1.300E-03	7.598E-04	3.593E-04	1-189E-04	3.082E-05
114	9.528E-04	1.0398-03	7.09CE-04	3.362E-04	1.182E-04	2.523E-05
117	9.852E-04	1.002E-03	6.659E-04	2.503E-04	9.897E-05	1.822E-05
120	7.764E-04	8.651E-04	5.478E-04	2.145E-04	8-142E-05	1.630E-C5
123	6.632E-04	7.620E-04	4.2536-04	2.067E-04	6-611E-05	1.434E-05
126	6.186E-04	6.431E-04	4.001E-04	1.519E-04	3.336E-05	1.019E-05
129	5.0456-04	5.647E-04	3.0495-04	1.305E-04	3.094F-05	1.0196-05
132	4.493E-C4	4.258E-C4	2.555E-C4	7.204E-05	2.364F-05	7.940F-06
135	3.196E-04	3.356E-04	2.310E-04	5.710E-05	1.2495-05	1.5896-06
138	2.634F-04	2.558E-C4	1.5576-04	5.334F-05	1.357F-05	3-022E-06
141	2.193E-04	2.115E-04	1.140E-04	3.393F-05	1.038F-05	1.170F-06
144	1.340E-04	1.873E-04	7.348E-05	1.3276-05	4.224F-06	1.522F-06
147	1.375E-04	9.550E-C5	4.893E-05	1.597E-05	4.101E-06	3.974F-C7
150	8.858E-05	7.51CE-C5	3.013E-05	3.6555-06	1.0875-06	1.125E-06
153	2.896E-05	5.908E-05	2.980E-05	5.536E-06	6-213E-06	1-500E-06

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TARGET NO. 7 INCIDENT ELECTRON ENERGY 2.5 MEV

CHANNE	L ENERG' Kev	Y	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-sq CM./ Mev-elec.
1	4.074E	01	0.0		4.342E-11	
2	5.709E	01	0 . 0		3.475E-11	
3	7.343E	01	0.Q		3.458E-11	
4	8.978E	01	0.0		3.8146-11	
5	1.061E	02	2.462E-01		4.623E-11	
6	1.225E	02	9.028E-01	1.135E-01	5.526E-11	6.271E-12
7	1.388E	°2	5.869E-01		6.482E-11	
e	1.552E	02	5.764E-01		7.572E-11	
ġ	1.715E	Q2	9.8706-01	1.168E-01	8.682E-11	1.014E-11
10	1.879E	02	9.879E-01		9.762E-11	
11	2.C42E	02	9.896E-01		1.039E-10	
12	2.206E	02	1.001E 00	9.3056-02	1.194E-10	1.1116-11
13	2.369E	02	1.012E CC		1.308E-10	
14	2.533E	Q2	1.023E 0C		1.416E-10	
15	2.696E	C Z	1.043E CC	7.6295-02	1.528E-10	1.166E-11
16	2.860E	02	1.065E 00		1.626E-10	
17	3.C23E	02	1.089E OC		1.732E-10	
18	3.187E	<u>, 5</u>	1.196E CC	6.432E-02	1.822E-10	1.1728-11
19	3.350E	02	1.128E CC		1.925E-10	
20	3.513E	02	1.152E CC		2.028E-10	
21	3.677E	92	1.168E OC	5.555E-02	2.118E-10	1.177E-11
72	3.840E	C 2	1.185E CC		2.210E-10	
23	4.004E	0Z	1.203E CO		2.303E-10	
24	4.167E	02	1.215E CC	4.688E-02	2.404E-10	1.1276-11
25	4.331E	02	1.229E CC		2.492E-10	
26	4.494E	C 2	1.245E OC		2.577E-10	
27	4.658E	C Z	1.258E 00	3.9568-02	2.655E-10	1.050E-11
28	4.821E	02	1.273E CC		2.741E-10	
29	4.985E	02	1.293E CC		2.822E-10	
30	5.148E	C 2	1.307E 00	3.439E-02	2.913E-10	1.002E-11
31	5.312E	Ū Ž	1.321E CC		3.0008-10	
32	5.475E	02	1.335E 00		3.078E-10	
33	5.639E	02	1.346E 00	2.9698-02	3.162E-10	9.387E-12
34	5.802E	02	1.359E CC		3.245E-10	
35	5.966E	02	1.374E 00		3-324E-10	
36	6.129E	02	1.386E CO	2.590E-02	3.412E-10	8.839E-12
37	6.293E	12	1.398E CC		3.500E-10	
38	6.456E	02	1.413E 00		3.579E-10	
39	6.620E	<u>2</u>	1.424E CC	2.261E-02	3.657E-10	8.269E-12
40	6.783E	r 2	1.435E CC		3.736E-10	

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CHANN	EL ENERGY Kev	CORR.FACT.	ENGY•SPEC• PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
41	6.947E 02	2 1.447E CC		3.814E-10	
42	7.110E C2	2 1.457E CC	1.974E-C2	3.906E-10	7.711E-12
43	7.273E C2	2 1.465E CC		4.000E-10	
44	7.437E 02	2 1.473E CC		4.072E-10	
45	7.600E 02	1.483E CC	1.720E-02	4.152E-10	7.142E-12
46	7.764E 02	2 1.495E CC		4.2368-10	
47	7.927E 02	1.507E CC		4.308E-10	
48	8.091E 02	1.52CE CO	1.528E-02	4.391E-10	6.710E-12
49	8.254E C2	1.533E QQ		4.482E-10	
50	8.418E C2	1.546E CO		4.554E-10	
51	8.581E 02	1.558E CC	1.369E-92	4.629E-10	6.339E-12
52	8.745E 02	1.57CE CO		4.707E-10	
53	8.908E 02	1.581E CO		4.780E-10	
54	9.C72E 02	1.592E 00	1.216E-02	4.857E-10	5.9078-12
55	9.235E C2	1.605E 00		4.942E-10	
5 6	9.399E 02	1.614E CC		5.015E-10	
57	9.562E 02	1.625E 00	1.082E-02	5.090E-10	5.507E-12
58	9.726E C2	1.641E 00		5.168E-10	
59	5.889E 02	1.656E 0C		5.241E-10	
60	1.005E 03	1.669E 00	9.843E-03	5.313E-10	5.2308-12
61	1.022E C3	1.677E CC		5.385E-10	
62	1.038E 03	1.678E 00		5.457E-10	
63	1.054E 03	1.684E CC	8.580E-03	5.5296-10	4.744E-12
64	1.071E 03	1.708E 0C		5.601E-10	
65	1.087E 03	1.734E CC		5.668E-10	
66	1.103E 03	1.754E CO	8.184E-03	5.735E-10	4.693E-12
67	1.120E 03	1.757E CC		5.807E-10	
68	1.136E 03	1.753E 00		5.874E-10	
69	1.152E C3	1.75CE CC	7.050E-03	5.941E-10	4.188E-12
7C	1.169E 03	1.775E 00		6.012E-10	
71	1.185E C3	1.800E CC		6.080E-10	
72	1.201E 03	1.823E OC	6.744E-03	6.145E-10	4.144E-12
73	1.218E 03	1.843E 00		6.204E-10	
74	1.234E C3	1.865E CO		6.267E-10	
75	1.250E 03	1.888E CC	6.366E-C3	6.332E-10	4.031E-12
76	1.267E 03	1.884F 00		6.391E-10	
77	1.283E 03	1.877E CO		6.449E-10	
78	1.300E 03	1.868E CC	5.366E-03	6.508E-10	3.493E-12
79	1.316E C3	1.891E 00		6.567E-10	
80	1.332E 03	1.910E CO		6.629E-10	

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CHANNEL	. ENERGY Kev		CORR • F	AC T •	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
81	1.349E	C 3	1.923E	00	4.914E-03	6.694E-10	3.290E-12
72	1.3075	0.7	1.9776	00		6 0125-10	
	1.2010	0.2	1.9710	00	4 4725-02	6.015C-10	2 0725-12
0.4	1.3700	03	1 0000	00	4.4/22-03	4.0755-10	3.0136-12
84	1 4205	62	2.0175	00		7.0736-10	
87	1.4476	03	2.044E	00	4.305E-03	7.1456-10	3-0765-12
88	1.463E	03	2.0436	or or		7.202E-10	569,00 IL
ÂQ	1.479F	63	2.036F	10		7.256E-10	
90	1.496E	03	2.029F	00	3.664E-03	7.315E-10	2.680E-12
91	1.512E	n3	2.041E	00		7.373E-10	
92	1.528E	03	2.059E	CO		7.434E-10	
93	1.545E	n3	2.074E	ŋġ	3.337E-03	7.499E-10	2.502E-12
94	1.561E	03	2.096E	00		7.560E-10	
95	1.577E	03	2.119E	00		7.620E-10	
96	1.594E	63	2.135E	00	3.103E-03	7.685E-10	2.385E-12
97	1.610E	03	2.141E	00		7.746E-10	
5 B	1.626E	03	2.14CE	00		7.805E-10	
99	1.643E	°3	2.14?E	ŨĊ	2.676E-03	7.864E-10	2.104E-12
100	1.659E	03	2.157E	CC		7.927E-10	
101	1.676E	03	2.183E	0 C		7.992E-10	
102	1.692E	03	2.2C0E	00	2.443E-03	8.051E-10	1.967E-12
103	1.7C8E	03	2.21CE	CC		8.106E-10	
104	1.725E	(3	2.214E	0 C		8.159E-10	
105	1.741E	03	2.225E	ac	2.131E-03	8.198E-10	1.747E-12
106	1.757E	03	2.245E	30		8.246E-10	
107	1.774E	03	2.2875	0C		8.305E-10	
108	1.79CE	<u>03</u>	2.31CE	ac	1.9986-03	8.384E-10	1.6/11-12
Ind	1.8066	n <u>4</u>	2.321E	70		8.425E-10	
119	1.0235	03	2.314E	0.0	1 (OOF 03	8.4916-10	1 4445 13
111	1.0555	03	2.313E	00	1.0905-03	8.0475-10	1.9945-12
112	1.6775	03	2.3100	00		0.0900-10	
115	1 0000	03	2 · J2 /C	00	1 4045-02	0.0410-10	1 2005-12
115	1.0045	03	2.3010	00	1.0 4702-03	8.7346-10	1.50000-12
116	1.0715	03	2 . 3710	00		8.786F=10	
117	1.0375	03 03	2.4705	C 0	1.4625-03	8.839F=10	1,2925-12
11.	1.9576	03	2.4CFF	nr	104026-03	A.892F-10	
119	1.970F	63	2.4795	CC .		8.951F+10	
120	1.586F	č3	2.475F	c c	1.2156-03	8.997E-10	1.0936-12
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CHANN	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-Elec.
121	2.002E 03	2.480E CC		9.038E-10	
122	2.019E 03	2.494E 00		9.09CE-10	
123	2.035E 03	2.515E 00	1.052E-03	9.138E-10	9.617E-13
124	2.052E C3	2.540E CC		9.184E-10	
125	2.C68E 03	2.565E 00		9.230E-10	
126	2.C84E 03	2.588E 00	9.266E-04	9.268E-10	8.588E-13
127	2.101E 03	2.610E 00		9.302E-10	
128	2.117E C3	2.627F 00		9.361E-10	
129	2.133E 03	2.639E 00	7.842E-04	9.416E-10	7.384E-13
130	2.15CE C3	2.645E 0C		9.469E-10	
131	2.166E 03	2.632E 00		9.515E-10	
132	2.182E C3	2.630E 00	6.100E-04	9.534E-10	5.816E-13
133	2.199E C3	2.643E 00		9.521E-10	
134	2.215E 03	2.658E 00		9.634E-10	
135	2.231E °3	2.675E 00	4 . 905E-04	9.7286-10	4.772E-13
136	2.248E 03	2.693E CC		9.774E-10	
137	2.264E 03	2.699E 00		9.819E-10	
138	2.280E 03	2.714E 00	3.840E-04	2.916E-09	1.120E-12
139	2.297E 03	2.749E 00		8.7726-09	
140	2.313E 03	2.782F CC		5.266E-09	
141	2.329E 03	2.805E CC	3.080E-04	1.012E-09	3 . 116E-13
142	2.346E (3	2.800E 0C		1.018E-09	
143	2.362E C3	2.764E 00		1.025E-09	
144	2.378E 03	2.735E 00	2.061E-04	1.031E-09	2.126E-13
145	2.395E C3	2.773E CC		1.038E-09	
146	2.411E 03	2.815E CC		1.049E-09	
147	2.428E 03	2.861E OC	1.540E-04	1.061E-09	1.634E-13
148	2.444E C3	2.929E 00		1.0686-09	
149	2.46ME M3	3.003E 00		1.074E-09	
150	2.477E 03	3.120E 00	1.079E-04	1.081E-09	1.166E-13
151	2.493E 03	3.606E 00		1.087E-09	
152	2.509E 03	2.403E 00		0.0	
153	2.526E 03	C•U	0.0	0.0	0.0
154	2.542E 03	0.0		C•U	

COSE= 1.108E-11 R-SQ.CM./ELECTRON

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TAR	GET NO. 8 INC	IDENT ELECTRO	IN ENERGY 2.5	5 MEV	
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI).
	7.5	15.0	30.0	45.0	60.0
€	8.211E-02	1.272E-01	1.354E-01	1.086E-01	6.346E-02
9	8.126E-02	1.246E-01	1.274E-01	9.951E-02	5.7558-02
12	6.694E-C2	1.005E-01	1.006E-01	7.770E-02	4.393E-02
15	5.422E-02	8.023E-02	7.908E-02	6.029E-02	3.367E-02
18	4.321E-02	6.457E-C2	6.229E-02	4.693E-02	2.609E-02
21	3.627E-02	5.295E-02	5.081E-02	3.818E-02	2.088E-02
24	3.059E-02	4.421E-C2	4.161E-02	3.0486-02	1.674E-02
27	2.546E-02	3.673E-C2	3.4708-02	2.503E-02	1.321E-02
30	2.1496-02	3.159E-02	2.852E-02	2.073E-02	1.090E-02
- 33	1.877E-02	2.630E-02	2.440E-02	1.688E-02	8.873E-03
36	1.596E-02	2.248E-02	2.0228-02	1.443E-02	7.242E-03
39	1.400E-02	1.942E-02	1.762E-02	1.190E-02	6.132E-03
42	1.216E-02	1.707E-02	1.473E-02	1.031E-02	5.135E-03
45	1.C71E-02	1.462E-02	1.2985-02	8.712E-03	4.192E-03
48	9.608E-03	1.286E-02	1.090E-02	7.556E-03	3.668E-03
51	8.251E-C3	1.159E-C2	9.881E-03	6.540E-03	2.989E-03
54	7.366E-03	1.010E-02	8.341E-03	5.629E-03	2.585E-03
57	6.518E-03	8.797E-03	7.288E-03	4.683E-03	2.308E-03
60	6.087E-03	7.732E-03	6.585E-03	4.105E-03	1.884E-03
63	5.132E-C3	7.042E-03	5.606E-03	3.600E-03	1.684E-03
66	4.624E-03	6.310E-03	5.164E-03	3.17CE-03	1.456E-03
69	4.725E-03	5.543E-03	4.473E-03	2.653E-03	1.23°E-03
72	3.783E-03	5.181E-C3	4.013E-03	2.498E-03	1.074E-03
75	3.638E-03	4.715E-03	3.644E-03	2.129E-03	9.805E-04
78	3.222E-C3	4.107E-03	3.202E-03	1.885E-03	8.121E-04
81	2.764E-C3	3.850E-03	2.736E-03	1.639E-03	6.681E-04
84	2.668E-03	3.108E-03	2.598E-03	1.405E-03	6.160E-04
87	2.398E-C3	3.112E-03	2.381E-03	1.323E-03	5.480E-04
90	2.194E-03	2.914E-03	2.1C8E-03	1.036E-03	4.149E-04
93	1.959E-03	2.318E-03	1.774E-03	8.573E-04	4.098E-04
96	1.762E-03	2.218E-03	1.622E-03	8.313E-04	2.935E-04
99	1.512E-03	1.908E-73	1.224E-03	6.995E-04	2.627E-04
102	1.538E-03	1.743E-03	1.195E-03	5.984E-04	2.605E-04
105	1.315E-03	1.610E-03	1.1316-03	4.825E-04	2.2698-04
108	1.072E-03	1.362E-03	8.485E-04	4.657E-04	1.5538-04
111	1.r43E-r3	1.154E-C3	6.832E-04	3.6428-04	1.5718-04
114	8.7956-04	1.104E-03	7.CZ2E-04	3.620E-04	1.378E-04
117	8.2446-04	9.514E-04	5.397E-04	2.83/E-04	8.858E-05
120	7.196E-04	5.117E-04	5.218E-04	1.92re-04	6.376E-05
123	5.585E-C4	7.5776-04	4.3765-04	1.708E-04	6.052E-05
126	5.9376-04	5.5635-04	3.3216-04	1.4092-04	5.515E-05
129	4.468E-04	5.5236-04	3.0292-04	1.0655-04	1.800E-05
132	5.457E-04	5.8112-04	2.1011-04	8.045E-05	2.4042-05
1 3 3	5.001t-04	5.152E-04	1.7901-04	7.000E-05	1.3016-03
1.50	5.130E-04	2 . 1902-14	9.911E-05	2.8942-05	1.00025-000
(4L)		1.0245-04	1.0901-04	2.815E+U5	
144	1.0475.05	1.0070.07	5.0052505	1.8242-95	5. 1055 A/
147	1.10/E=113 5.3745-65	1.01972-14	5.UC2E-U5	1.1726-05	3.1372-08
107	3.5505-05	7. JC124UJ	4.4/UE-UD 5.7555-04	5.479E=06	J. 2375-00
1-3	く。ファウヒーいう	2.5/96-03	3. (33E=UD	4.77 25-00	- 4.1505-01

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TAKOLI NOT O INCIDENI ELECINON ENERGI ETA P	TARGET NO	8 •1	INCIDENT	ELECTRON	ENERGY	2.5	ME
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CHANNEL	ENERGY Kev	I	CORR.F	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
1	4.074E (C1 (n.n			4.342E-11	
2	5.709E 0	<u>.</u> 1 (n •n			3.475E-11	
3	7.343E (1 0	. • u			3.458E-11	
4	9.978E	1				3.814E-11	
5	1.001E ()2	2.403E	-01	1 1075 41	4.623E-11	
7	1.2256	2	9.032E	-01	1.18/2-01	5.5265-11	0.500E-12
, a	1.5000 1	2	9.0/2E	-01		0.40/E-11	
с	1 7156 6		907070 0 9495,	-01	1 2195-01	1.7/2E-11 0.6075-11	1 0575-11
10	1 9705 0	12 1	9 000C	-01	1.2100-01	0.7625-11	1.05/6=11
11	2.042E (· 2	C. QAAE.	-01		1.0395-10	
12	2.206E C	·	1.002E	00	9.763E-02	1.1945-10	1.1665-11
13	2.369E (12	1.012E	00	Verose ve	1.308E=10	101001-11
14	2.533E (י <u>ז</u> ר	1.024E	00		1.416E-10	
15	2.696E	Σ.	1.943E	00	7.966E-02	1.528E-10	1.217E-11
16	2.860E 0	2	1.066E	00	• • • • • •	1.626E-10	
17	3.023E 0	12	1.089E	00		1.732E-10	
18	3.187E C	י בי	1.105E	00	6.645E-02	1.822E-10	1.211E-11
19	3.350E 0	י 2י	1.127E	nς		1.925E-10	
20	3.513E 0	12 1	1.151E	0.0		2.028E-10	
21	3.677E 0	`2 1	1.167E	00	5.723E-02	2.118E-10	1.212E-11
22	3.840E 0	י צי	1.184E	<u>00</u>		2.21CE-10	
23	4.CC4E C	2 1	1.202E	0.0		2.303E-10	
24	4.167E (נ 2י	1.215E	00	4.863E-02	2.404E-10	1.169E-11
25	4.331E C	י כי	1.23CE	0.0		2.492E-10	
26	4.494E	2 1	1.247E	0 C		2.577E-10	
27	4.658E ('2 I	•26°E	00	4.152E-02	2.655E-10	1.102E-11
28	4.821E	ו 2י		CC		2.741E-10	
29	4.985E C	Z	1.294E	ac		2.822E-10	
30	5.148E C	2 1	L-398E	ac	3.5946-02	2.913E-10	1.047E-11
31	5.312E f	2	• 321E	00		3.000E-10	
32	5.4/5E P	2 1	. 535E	d d		3.078E-10	
33	5.639E 0	2	• 34 /E	90	3.095E-02	3.162E-10	9.786E-12
44	5.802E 0	2 1	- 339E	00		3.2456-10	
17	7.500E U		- 372E	00	2 (7/5 02	3.324E-10	
7 C 7 7	C. 1295 0	2 1	1. JO4C	00	2.0140-02	2.5005 10	9.120E-12
71	00/738 " 4 /648 M	2 1	- 377E	00		3+30°E=10	
20	C.470E 1	2 1	413E	00	2 2545-02	3.4575.10	0 4145 10
~ ~	0.02VE (4 703E A	2 1	19427E	6.0	2.0000-12	2 + 02 / E + 1 U	D.010E-12
41.	0.7032 0	- Z - 1	•43CE	00		3•(36E-10	

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TARGET NO. 8 INCIDENT ELECTRON ENERGY 2.5 MEV

CHANNEL	. ENERG Kev	Y	CORR.F	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	6.947E	n z	1.448E	00		3.814E-10	
42	7.11°E	02	1.458E	00	2.063E-02	3.906E-10	8.059E-12
43	7.273E	02	1.467E	CC .		4.000E-10	
44	7.437E	02	1.475E	0.0		4.072E-10	
45	7.600E	02	1.485E	00	1.804E-02	4+152E-10	7.492E-12
46	7.764E	n 2	1.497E	00		4.236E-10	
47	7.927E	02	1.508E	0.0		4.308E-10	
48	8.091E	r2	1.521E	00	1.600E-02	4.391E-10	7.024E-12
49	8.254E	02	1.535E	00		4.482E-10	
50	8.418E	02	1.551E	CO .		4.554E-10	
51	8.581E	C2	1.564E	00	1.445E-02	4.629E-10	6.691E-12
52	8.745E	C2	1.575E	00		4.707E-10	
53	8.908E	02	1.584E	00		4.780E-10	
54	5.C72E	02	1.594E	0.0	1.270E-02	4.857E-10	6.170E-12
55	9.235E	C2	1.6C6E	00		4.942E-10	
56	9.399E	C2 ·	1.614E	00		5.015E-10	
57	9.56?E	C2	1.625E	00	1.1228-02	5.090E-10	5.711E-12
58	9.726E	<u>^2</u>	1.641E	00		5.168E-10	
59	9.889E	02	1.655E	00		5.241E-10	
60	1.005E	03	1.668E	00	1.019E-02	5.313E-10	5.411E-12
61	1.022E	C3	1.680E	00		5.385E-10	
62	1.038E	03	1.688E	CC		5.457E-10	
63	1. 754E	03	1.697E	00	9.068E-03	5.529E-10	5.013E-12
64	1.C71E	03	1.716E	00		5.601E-10	
65	1.C87E	03	1.734E	00		5.668E-10	
66	1.103E	n 3	1.749E	00	8.381E-03	5.735E-10	4.8065-12
67	1.120E	n 3	1.754E	0.0		5-807E-10	
68	1.136E	03	1.753E	0.0		5.874E-10	
69	1.152E	03	1.754E	^^	7.2776-03	5.941E-10	4.323E-12
70	1.169E	03	1.7798	00		6.012E-10	
71	1.185E	03	1.8C2E	00		6.080E-10	
72	1.201E	03	1.824E	00	6.912E-03	6.145E-10	4.248E-12
73	1.218E	03	1.840E	00		6.204E-10	
74	1.234E	03	1.857E	00		6.267E-10	
75	1.250E	03	1.874E	00	6.415E-03	6.332E-10	4.062E-12
76	1.267E	03	1.881E	CO		6.391E-10	
77	1.283E	03	1.887E	CC		6.449E-10	
78	1.300E	03	1.890E	00	5.654E-03	6.508E-10	3.680E-12
79	1.316E	03	1.904E	00		6.567E-10	
80	1.332E	C 3	1.914E	00		6.629E-10	

CHANNEL	. ENERGY Kev	CORR.FACT.	ENGY.SPEC PHOTONS/MEV -ELECTRON	FX TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
81	1.349E 03	1.919E CC	5.029E-03	6.694E-10	3.367E-12
87	1.365E 03	1.933E CC		6.754E-10	
83	1.7818 03	1.946E 0C		6.813E-10	
P 4	1.398E 03	1.955E CC	4.562E-03	6.871E-10	3.135E-12
P 5	1.414E C3	1.987E nr		6.9758-10	
86	1.430E 03	5.055E 00		7.073E-10	
87	1.447E C3	2.055E 00	4.498E-03	7.145E-10	3.214E-12
R R	1.463E 03	2.062E 00		7.202E-10	
R Q	1.479E C3	2.063E 00		7.256E-10	
90	1.496E 03	2.064E CC	3.931E-03	7.315E-10	2.875E-12
91	1.512E C3	2.060E 00		7.373E-10	
92	1.528E 03	2.054E CC		7.434E-10	
93	1.545E 03	2.051E CO	3.2985-03	7.499E-10	2.473E-12
94	1.5618 03	2.079E CC		7.56CE-10	
95	1.577E C3	2.12CE CC		7.620E-10	
96	1.594E 03	2.145E 0C	3.1596-03	7.6856-10	2.428E-12
97	1.610E 03	2.139E 00		7.746E-10	
98	1.626E C3	2.114E CC		7.805E-10	
ġġ	1.643E C3	2.101E 00	2.555E-C3	7.864E-10	2.009E-12
100	1.659E C3	2.127E 0C		7.927E-10	
101	1.676E C3	2.182E CC		7.992E-10	
102	1.692E 03	2.225E 00	2.547E-03	8.051E-10	2.051E-12
173	1.7086 03	2.257E CC		8.106E-10	
174	1.725E 03	2.28rE rr		8.159E-10	
105	1.7418 03	2.292E 10	2.346E-03	8.198E-10	1.974E-12
106	1.757E "3	2.29CE CC		8.246E-10	
177	1.7746 03	2.269E 0C		8.305E-10	
108	1.790E 03	2.258E 00	1•800E+03	8.364E-10	1.580E-12
149	1.806E P3	2.253E 00		8.425E-10	
110	1.8236 03	7.255E CC		8-491E-10	
111	1 8346 03	2.284E CC	1.631E-03	8.545E-10	1.393E-12
112	1.8556 03	2.330E 00		8.595E-10	
113	1.872E C3	2.459E 00		8.641E-10	
114	1.8885 03	2.449E 00	1.672E-03	8.687E-10	1.452E-12
115	1.904E 03	2.461E 9C		8.734E-10	
1,6	1.421E 03	2.423E 00		8.786E-10	
JU/	1.5378 03	2.415E CC	1.346E-03	8.839E-10	1.1906-12
118	1.953E P3	2.4248 00		8.897E-10	
114	1.9/05 03	2.4045 00		8.951E-10	
124	1.986E C3	7.496E CC	1.2296-03	8.997E-10	1.106E-12

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FX.TO DOSE DOSE SPEC CHANNEL ENERGY CORR.FACT. ENGY.SPEC. R-SQ CM./ KEV PHOTONS/MEV R/PHOTON/ -ELECTRON SQ.CM. MEV-ELEC. 121 2.002E 03 2.523E 00 9.038E-10 172 2.019E 03 2.536E 0C 9.090E-10 123 2.035E 03 2.546E 00 9.699E-13 1.061E-03 9.138E-10 124 2.C52E C3 2.552E 00 9.184E-10 125 2.068E 03 2.542E 00 9.230E-10 126 2.084E 03 2.551E 00 8.5905-04 9.268E-10 7.962E-13 127 2.101E 03 2.5778 00 9.302E-10 128 2.117E 03 2.624E 00 9.361E-10 129 2.133E ^3 2.645E 0C 7.5428-04 9.416E-10 7.102E-13 120 2.15°E °3 2.639E 00 9.469E-10 131 2.166E 03 2.579E CC 9.515E-10 132 2.182E C3 2.561E 0C 5.403E-04 9.534E-10 5.151E-13 123 2.199E 03 2.596E 00 9.5216-10 2.215E C3 134 2.676E 00 9.634E-10 135 2.231E 03 2.746E 00 5.002E-04 9.728E-10 4.866E-13 136 2.248E 03 2.794E 00 9.774E-10 2.264E 03 137 2.828E CO 9.8198-10 2.280E ^3 138 2.831E 00 4.070E-04 2.916E-09 1.187E-12 139 2.297E ^3 2.778E CC 8.772E-09 140 2.313E 03 5.660E 00 5.266E-09 2.329E 03 141 2.577E CC 2.350E-04 1.012E-09 2.377E-13 142 2.346E C3 2.631E CC 1.018E-09 143 2.362E 03 2.715E CC 1.025E-09 144 2.378E C3 2.796E CG 1.993E-04 1.031E-09 2.056E-13 145 2.395E 03 2.830E 00 1.038E-09 2.411E C3 146 2.837E 00 1.049E-09 147 2.428E 03 2.852E 00 1.399E-04 1.061E-09 1.484E-13 148 2.444E C3 2.985E 0C 1.068E-09 149 2.460E 03 3.172E 00 1.0746-09

1.178E-04

0.0

1.081E-09

1.087E-09

0.0

n.n

0.0

1.273E-13

0.0

TARGET NO. 8 INCIDENT ELECTRON ENERGY 2.5 MEV

DDSE= 1.149E-11 R-SO.CM./ELECTRON

3.360E 00

3.251E CC

2.017E 00

0.0

0.0

2.477E C3

2.493E C3

2.509E 03

2.526E 03

2.542E C3

150

151

152

153

154

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TAR	GET NO. 9 INC	IDENT ELECTRO	IN ENERGY 2.	5 MEV	
CH.	NET PULSE HE	IGHT SPECTRUM	MULTIPLIED	BY 2 PI SIN	(PHI) COS(PHI).
	7.5	15.0	30.0	45.0	60.0
€	9.105E-02	1.453E-Cl	1.6C1E-01	1.418E-01	8.7786-02
9	9.202E-02	1.455E-01	1.520E-01	1.334E-01	8.049E-02
12	7.551E-C2	1.167E-01	1.1986-01	1.047E-01	6.235E-02
15	6.122E-02	9.405E-02	9.480E-02	8.2395-02	4.8518-02
18	4.9685-02	7.498E-02	7.575E-02	6.551E-02	3.814E-02
21	4.273E-C2	6.316E-02	6.208E-02	5.218E-02	3.033E-02
24	3.557E-02	5.210E-02	5.1168-02	4.2318-02	2.4438-02
27	3.029E-02	4.326E-C2	4.222E-02	3.481E-02	1.9856-02
30	2.534E-02	3.654E-C2	3.504E-02	2.810E-02	1.602E-02
33	2.182E-C2	3.160E-02	2.989E-02	2.401E-02	1.317E-02
36	1.866E-02	2.666E-02	2.57CE-02	2.014E-02	1.086E-02
39	1.615E-02	2.283E-02	2.1818-02	1.730E-02	9.2216-03
42	1.408E-02	1.997E-02	1.886E-02	1.444E-02	7.8916-03
45	1.243E-02	1.771E-02	1.599E-02	1.256E-02	6.620E-03
48	1.0726-02	1.541E-02	1.378E-02	1.065E-02	5.606E-03
51	9.4736-03	1.361E-C2	1.230E-02	9.018E-03	4.9226-03
54	8.737E-03	1.201E-02	1.091E-02	8.353E-03	4 . 152E-03
57	7.9526-03	1.063E-02	9.576E-03	6.975E-03	3.606E-03
69	7.171E-03	9.149E-03	8.307E-03	6.140E-03	3.1286-03
63	6.458E-03	8.844E-03	7.1C8E-03	5.1758-03	2.671E-03
66	5.663E-03	7.796E-03	6.477E-03	4.650E-03	2.468E-03
69	5.C62E-03	6.644E-03	6.C84E-03	4.4446-03	2.179E-03
72	4.628E-03	5.941E-03	5.C95E-03	4.083E-03	1.892E-03
75	4.434E-03	5.709E-03	4.563E-03	3.296E-03	1.591E-03
78	3.967E-03	5.429E-03	4.137E-03	2.900E-03	1.448E-03
81	3.515E-03	4.566E-C3	3.732E-03	2.630E-03	1.313E-03
84	3.316E-03	4.061E-03	3.2956-03	2.477E-03	1.159E-03
87	2.7968-03	3.862E-C3	3.074E-03	2.112E-03	9.505E-04
90	2.626E-03	3.433E-C3	2.908E-03	1.865E-03	8.2276-04
93	2.371E-03	3.124E-03	2.369E-03	1.706E-03	6.748E-04
96	2.114E-03	2.721E-03	2.133E-03	1.489E-03	6.337E-04
99	2.041E-03	2.406E-C3	1.872E-03	1.264E-03	5.482E-04
102	1.839E-03	2.294E-03	1.759E-03	1.054E-03	5.095E-04
105	1.631E-03	2.044E-03	1.422E-03	1.026E-03	4.272E-04
1^8	1.502E-03	1.711E-03	1.3246-03	8.839E-04	3.493E-04
111	1.344E-03	1.456E-03	1.095E-03	6.692E-04	2.9285-04
114	1.7488-03	1.368E-03	9.277E-04	6.785E-04	2.447E-04
117	1.069E-03	1.311E-03	8.108E-04	5.355E-04	2.262E-04
120	1.014E-03	1.066E+03	6.841E-04	4.411E-04	1.5396-04
123	8.687E-04	8.497E-04	5.770E-04	3.813E-04	1.394E-04
126	6.953E-C4	7.054E-04	5.823E-04	2.862E-04	1.140E-04
129	6.217E-04	6.982E-C4	4.551E-04	2.096E-04	7.6976-05
132	5.625E-C4	5.384E-C4	3.148E-04	1.690E-04	7.530E-05
135	5.236E-C4	4.536E-04	2.6358-04	1.631E-04	4.574E-05
138	4.308E-04	4.729E-04	2.039E-04	1.102E-04	3.115E-05
141	3.316E-04	2.7138-04	1.617E-04	7.159E-05	3.291E-05
144	2.2998-04	2.237E-04	1.0768-04	7.7298-05	1.433E-05
147	1.479E-04	1.644E-04	7.228E-05	1.727E-05	8.496E-06
150	1.081E-04	1.264E-C4	5.876E-05	1.140E-05	8.496E-06
153	6.507E-05	4.913E-05	2.766E-05	2.867E-05	3.002E-06

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CHANNEL	. ENERGY Kev		CORR.F	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
1	4.074E	01	0.0			4.342E-11	
2	5.709E	C1	°•°			3.475E-11	
3	7.343E	01	0.0			3.458E-11	
4	8.978E	01	0.0			3.814E-11	
5	1.061E	202	2.456E-	-01		4.623E-11	
6	1.225E	n Z	9.006E	-01	1.4668-01	5.526E-11	8.103E-12
7	1.388E	02	9.850E-	-C1		6.482E-11	
9	1.552E	C 2	5.75 E	-01		7.572E-11	
9	1.715E	02	9.862E-	-91	1.531E-01	8.682E-11	1.329E-11
10	1.879E	<u>n 2</u>	9.869E-	-01		9.762E-11	
11	2.042E	~ Z	9.884E	-01		1.039E-10	
12	2.296E		1.000E	υü	1.2256-01	1.194E-10	1.463E-11
1.5	2.369E	02	1.010E	00		1.308E-10	
14	2.533E	02	1.022E	60		1.416E-10	
15	2.0905	02 20	1.042E	00	1.011E-01	1.5286-10	1.5446-11
10	2.8678		1.004E	00		1.6265-10	
17	3.023E 0		1.0885	00		1.732E-10	
18	3.187E	U 2	1.105E	00	8.7305-02	1.827E-10	1.5558-11
19	3.370E 4		1.1205	00		1.9256-10	
23	3.713E (2	1.1705		7 2445 02	2.0282-10	
21	3.0//E		1.107E	00	1.3446-02	2.1185-10	1.5566-11
22	3.847E		1.182E	00		2.210E-10	
27	4.0040		1.2008	00	4 3545 03	2.5056-10	
29	4 10/E (2	1+2125	00	0.2795412	2.4045-10	1.5038-11
27	4 . J J L C V	2	1.2200	00		2.4925-10	
20	4.494C (20	1 2500	00	5 2505-02	2.01/E=10	1 4995 11
20	4 9216 (12 12	1 2775	00	3. 339E-02	2.000000000	1.4235-11
20	4 00EE (1 2000	00		2.0226-10	
20	5 140E /	- <u>2</u> -2	1 2016	00	6 EE7E-02	2.0125-10	1 2205 11
21	5 2196 (12	1 2155	00	4.0076-02	2.9135-10	1.5285-11
22	5 4755 0	12	1 2326	00		2.0795-10	
33	5.430E (12	1.3446	00	4.0155-02	3 1625-10	1 3705-11
24	5 8025 6	12	1 2605	00	400106-02	3 3455-10	1.2/06-11
25	5.002E (12	1 3706	00		3 2242-10	
36	A.1295 /	12	1.3826	00	3.4835-02	2.4125-10	1 1905-11
37	6.293E	12	1.3945	00	107070-02	3.5005-10	1.1075-11
38	6.456F	2	1.40GF	<u> </u>		3.5706-10	
39	6.620E	12	1.4215	00	3-060E-02	3.6576-10	1.1195-11
49	6.783E	12	1.431F	çõ	99900L VE	3.736E-10	101175-11

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CHANNEL	. ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	6.947E C2	1.443E 00		3.814E-10	
42	7.110E C2	1.453E CC	2.6856-02	3.906E-10	1.0496-11
43	7.273E 02	1.462E 00		4.000E-10	
44	7.437E 02	1.472E CO		4.072E-10	
45	7.600E 02	1.483E CC	2.366E-02	4.152E-10	9.823E-12
46	7.764E 02	1.494E CC		4.236E-10	
47	7.927E 02	1.502E 00		4.308E-10	
48	8.091E 02	1.512E CO	2.0686-02	4.391E-10	9.082E-12
49	8.254E 02	1.524E 00		4.482E-10	
50	8.418E C2	1,535E CC		4.554E-10	
51	8.581E 02	1.548E 0C	1.8556-02	4.629E-10	8.585E-12
52	8.745E 02	1.563E 00		4.707E-10	
53	8.908E 02	1.581E 00		4.780E-10	
54	9.072E 02	1.597E 00	1.7086-02	4.857E-10	8.298E-12
55	9.235E 02	1.608E 00		4.942E-10	
5 6	S.399E 05	1.616E 00		5.015E-10	
57	9.562E 02	2 1.625E CC	1.5126-02	5.090E-10	7.696E-12
58	9.726E 02	1.636E 00		5.168E-10	
59	5.889E 02	2 1.645E 00		5.241E-10	
61	1.005E 03	1.654E CC	1.3446-02	5.313E-10	7.140E-12
61	1.022E 03	1.668E 0C		5.385E-10	
62	1.038E 03	1.677E 00		5.457E-10	
63	1.054E 03	1.687E CC	1.206E-02	5.529E-10	6.669E-12
64	1.071E 03	1.703E 00		5.601E-10	
65	1.C87E 03	1.715E 00		5.668E-10	
66	1.103E 03	1.728E CC	1.1116-02	5.735E-10	6.369E-12
67	1.120E 03	1.746E 00		5.807E-10	
68	1.136E 03	1.765E 00		5.874E-10	
69	1.152E C3	1.783E 00	1.0446-02	5.941E-10	6.205E-12
70	1.169E 03	1.793E 00		6.012E-10	
71	1.185E 03	1.801E 00		6.080E-10	
72	1.201E C3	1.808E 0C	9.3478-03	6.145E-10	5.7448-12
73	1.218E 03	1.819E CC		6.204E-10	
74	1.234E 03	1.828E 00		6.267E-10	
75	1.250E 03	1.834E 00	8.3946-03	6.337E-10	5.315E-12
76	1.267E 03	1.857E CO		6.391E-10	
77	1.283E 03	1.877E OC		6.449E-10	
78	1.300E 03	1.896E 00	7.8996-03	6.508E-10	5.135E-12
79	1.316E 03	1.996E 00		6.567E-10	
80	1.332E 03	1.913E 00		6.629E-10	

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TARGET NO. 9 INCIDENT ELECTRON ENERGY 2.5 MEV

CHANNI	EL ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
91	1.349E C3	1.918E 00	7.081E-03	6.694E-10	4.740E-12
82	1.365E 03	1.937E 90		6.754E-10	
83	1.381E C3	1.957E OC		6.813E-10	
84	1.398E 03	1.974E CC	6.602E-03	6.871E-10	4.536E-12
85	1.414E C3	1.985E CC		6.975E-10	
86	1.430E 03	1.994E 00		7.073E-10	
87	1.447E 03	2.002E 00	5.974E-03	7.145E-10	4.269E-12
88	1.463E 03	2.022E 00		7.202E-10	
89	1.479E C3	2.043E 00		7.256E-10	
90	1.496E 03	S+061E 00	5.579E-03	7.315E-10	4.081E-12
91	1.512E 03	2.067E 00		7.373E-10	
92	1.528E 03	2.068E 00		7.434E-10	
93	1.545E 03	2.07CE CC	4.884E-03	7.499E-10	3.662E-12
94	1.561E 03	2.082E CC		7.560E-10	
95	1.577E 03	2.098E 00		7.620E-10	
96	1.594E 03	2.109E 00	4.423E-03	7.685E-10	3.399E-12
97	1.610E 03	2.119E 00		7.746E-10	
98	1.626E 03	2.128E 00		7.805E-10	
9.9	1.643E 03	2.138E CC	3.954E-03	7.864E-10	3.109E-12
100	1.659E 03	2.160E 00		7.9276-10	
101	1.676E C3	2.191E 00		7.992E-10	
102	1.692E 03	2.214E 00	3.7355-03	8.051E-10	3.007E-12
103	1.708E 03	2.230E 00		8.106E-10	
104	1.725E 03	2.240E 00		8.159E-10	
105	1.741E 03	2.253E 00	3.336E-03	8.198E-10	2.735E-12
106	1.757E 03	2.270E 00		8.246E-10	
107	1.774E C3	2.292E CC		8.305E-10	
108	1.790E 03	2.302E 0C	2.992E-03	8.364E-10	2.503E-12
109	1.806E C3	2.301E 00		8.425E-10	
110	1.823E 03	2.282E 0C		8.491E-10	
111	1.839E 03	2.285E 00	2.456E-03	8.545E-10	2.099E-12
112	1.855E C3	2.3C6E CC		8.595E-10	
113	1.872E 03	2.357E CC		8.641E-10	
114	1.888E 03	2.397E 00	2.363E-03	8.687E-10	2.052E-12
115	1.904E 03	2.429E 00		8.734E-10	
116	1.921E 03	2.447E CC		8.786E-10	
117	1.937E 03	2.460E 00	2.128E-03	8.839E-10	1.881E-12
118	1.953E °3	2.467E 0C		8.892E-10	
119	1.970E 03	2.461E 00		8.951E-10	
120	1.986F C3	2.463E 90	1.771E-03	8-997E-10	1.5946-12

CHANNE	L ENERGY Kev	CORR.FACT.	ENGY .SPEC. Photons/mev -Electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
121	2.002E 03	2.470E 00		9.038E-10	
122	2.019E 03	2.480E 00		9.090E-10	
123	2+035E 03	2.498E 00	1.513E-03	9.138E-10	1.382E-12
124	2.052E 03	2.521E 00		9.184E-10	
125	2.068E 03	2.547E 0C		9.230E-10	
126	2.084E 03	2.571E 00	1.332E-03	9.268E-10	1.235E-12
127	2.101E 03	2.593E 00		9.302E-10	
128	2.117E 03	2.608E 0C		9.361E-10	
129	2.133E 03	2.615E 00	1.131E-03	9.416E-10	1.065E-12
130	2.150E 03	2.615E 00		9.469E-10	
131	2.166E 03	2.589E CC		9.515E-10	
132	2.182E 03	2.588E CC	8.834E-04	9.534E-10	8.423E-13
133	2.199E 03	2.618E 00		9.521E-10	
134	2.215E 03	2.669E 00		9.634E-10	
135	2.231E 03	2.721E 00	7.995E-04	9.728E-10	7.778E-13
136	2.248E 03	2.770E 00		9.774E-10	
137	2.264E 03	2.823E QC		9.819E-10	
138	2.280E 03	2.850E GC	7.016E-04	2.916E-09	2.046E-12
139	2.297E 03	2.825E 00		8.772E-09	
140	2.313E 03	2.761E QC		5.266E-09	
141	2.329E 03	2.718E 00	4.683E-04	1.012E-09	4.738E-13
142	2.346E 03	2.759E 00		1.018E-09	
143	2.362E 03	2.821E 00		1.025E-09	
144	2.378E 03	2.866E 00	3.760E-04	1.031E-09	3.878E-13
145	2.395E 03	2.821E CC		1.038E-09	
146	2.411E 03	2.713E 0C		1.049E-09	
147	2.428E 03	2.623E 00	2.040E-04	1.061E-09	2.165E-13
148	2.4448 03	2.794E CC		1.068E-09	
149	2.460E 03	3.044E 00		1.074E-09	
150	2.477E 03	3.342E CO	2.008E-04	1.081E-09	2.170E-13
151	2.493E 03	3.648E 00	,	1.087E-09	
152	2.509E 03	2.380E 00		0.0	
153	2.526E 03	0.0	0.0	0.0	0.0
154	2.542E 03	0.0		0.0	

COSE= 1.519E-11 R-SQ.CM./ELECTRON

TAR	GET NO. 12	INCIDENT ELECT	TRON ENERGY 3	2.5 MEV		
CH.	NET PULSE	HEIGHT SPECTRI	UM MULTIPLIE	D BY 2 PI SIN	(PHI) COS(PH	[].
	7.5	15.0	30.1	45 🗤 በ	60.0	75.0
6	4.031E-0	2 6.183E-02	5.753E-02	3.803E-02	1.996E-02	5.970E-03
a	4.334E-0	2 6.296E-02	5.6376-02	3.6506-02	1.871E-02	5.483E-C3
1?	3.581E-C	2 5.158E-C2	4.5066-02	2.856E-02	1.441E-02	4.137E-03
15	2.9836-0	2 4.130E-02	3.5896-02	2.225E-02	1.093E-02	3.109E-03
18	2.4185~0	2 3.386E-02	2.837E-02	1.778E-02	8.421E-03	2.366E-03
- 21	2.053E-0	2 2.825E-02	2.3365-02	1.403E-02	6.674E-C3	1.813E-03
24	1.720E-0	2 2.332E-02	1.913E-02	1.140E-02	5.2498-03	1.413E-03
?7	1.455E-0	2 1.939E-02	1.584E-02	9.080E-03	4.138E-03	1.102E-03
30	1.226E-0	2 1.639E-02	1.3085-02	7.296E-03	3.332E-03	8.737E-04
33	1.0596-0	2 1.413E-02	1.097E-02	6.185E-03	2.7095-03	6.909E-04
- 36	9.410E-0	3 1.201E-02	9.3658-03	5,065E-03	2.205E-03	5.552E-04
39	7.995E-0	3 1.06°E-02	7.766E-03	4.232E-03	1.765E-03	4.459E-04
42	6.957E-0	3 8.974E-03	6.701E-03	3.589E-03	1.419E-03	3.561E-04
45	6.190E-0	3 7.742E-03	5.709E-03	3.017E-03	1.188E-03	2.996E-04
48	5.4246-0	3 7.004E-03	4.933E-03	2.491E-03	9 . 807E-04	2.4446-04
51	4.728E-0	3 6.065E-03	4.2228-03	2.140E-03	8.154E-04	1.935E-04
54	4.2856-0	3 5.332E-03	3.712E-03	1.820E-03	6.750E-04	1.700E-04
57	3.812E-0	3 4.720E-03	3.224E-03	1.5246-03	5.9028-04	1.371E-04
61	3.441E-0	3 4.134E+03	2.759E-03	1.286E-03	5.020E-04	1.111E-04
63	3.058E-C	3 3.691E-03	2.3985-03	1.1358-03	4.365E-04	1.006E-04
66	2.6846-0	3 3.365E-03	2 . 129E-03	1.006E-03	3.522E-04	7.863E-05
69	2.483E-C	3 2.908E-03	1.941E-03	8.641E-04	2.9955-04	7.074E-05
72	2.186E-0	3 2.681E-03	1.687E-03	7.4486-04	2.453E-04	5.465E-05
7,5	2.0256-0	3 2.366E-03	1.517E-03	6.226E-04	2.193E-04	4.448E-05
78	1.723E-0	3 2.137E-03	1.273E-03	5.356E-04	1.856E-04	3.936E-05
81	1.593E-0	3 1.953E-03	1.106E-03	4.458E-04	1.581E-04	3.145E-05
84	1.5446-0	3 1.727E-03	1.041E-03	4.045E-04	1.2406-04	2.6298-05
87	1.310E-0	3 1.557E-03	8.825E-04	3.339E-04	1.148E-04	2.504E-05
90	1.2226-0	3 1.4136-03	7.851E-04	2.889E-04	9.558E-05	1.620E-05
93	1.095E-0	3 1.189E-03	6.504E-04	2.6975-04	7.5176-05	1.648E-05
96	9.594E-0	4 1.097E-03	5.399E-04	2.214E-04	6.640E-05	1.184E-05
99	8.724E-0	4 9.85CE-C4	4.667E-04	1.881E-04	4.923E-05	1.043E-05
105	7.92CE-0	4 8.1096-04	4.465E-04	1.457E-04	3.875E-05	7.0678-06
105	7.0406-0	4 7.571E-04	3.822E-04	1.262E-04	3.304E-05	6.343E-06
108	6.302E-0	4 6.361E-04	2.849E-04	1.082E-04	3.2238-05	4.472E-06
111	5.8976-0	4 5.481E-C4	2.403E-04	9.0696-05	2.203E-05	3.3346-06
114	4.887E-0	4 4.845E-04	2.195E-04	7.258E-05	1.9716-05	4.168E-06
117	4.308E-C	4 4.250E-C4	1.739E-04	5.146E-05	1.500E-05	2.201E-06
150	3.721E-0	4 3.763E-04	1.4336-04	5.193E-05	1.248E-05	2.024E-06
123	3.0526-0	4 2.714E-04	1.C66E-04	4.095E-05	1.093E-05	1.897E-06
126	2.889E-C	4 2.831E-04	1.067E-04	2.814E-05	6.656E-96	1.3056-06
129	2.081E-0	4 1.950E-04	7.665E-05	2.126E-05	4.0728-06	1.644E-C.6
132	1.8796-0	4 1.684F-04	6.323E-05	1.346E-05	4.594E-06	7.892E-07
135	1.2336-0	4 1.300E-04	4.414E-05	1.465E-05	3.497E-06	E.649E-07
138	1.198E-0	4 1.245E-04	3.662E-05	1.226E-05	2.297E-06	5.262E-07
141	9.068E-0	5 7.425E-05	2.218E-05	7.0536-06	2.027E-06	3.439E-C7
144	5.0736-0	5 5.155E-05	2.022E-05	7.6008-06	1.4532-06	3.491E-07
147	4.064E-0	5 5.107E-05	8.591E-06	3.492E-06	1.436E-06	0.0
150	1.955E-0	5 2.081E-05	7.694E-06	2.328E-06	3.044E-07	5.113E-0E
153	7.724F-0	A 1,8496-05	3.8766-06	1.164F-06	-2.6996-07	7.6825-07

TARGET NOT IN INCIDENT LECTINGA LALAG	ENERG	LECTRON	INCIDENT	12	NO.	TARGET
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CHANNEL	. ENERGY Kev	CORR.FACT.	ENGY.SPEC. Photons/mev -Electron	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ Mev-elec.
1	4.074E 01	c		4.347E-11	
2	5.709E 01	C.O		3.475E-11	
3	7.343E 01	0.0		3.458E+11	
4	8.978E 01	C•0		3.814E-11	
5	1.C61E 02	2.447E-C1		4.623E-11	
6	1.225E 02	8.973E-01	4.464E-02	5.526E-11	2.467E-12
7	1.388E 02	9.826E-01		6.482E-11	
8	1.528 02	9.743E-01		7.572E-11	
9	1.7156 02	9.871E-01	4.8495-02	8.682E-11	4.210E-12
10	1.879E 02	9.878E-01		9.762E-11	
11	2.042E 02	9.891E-01		1.039E-10	
12	2.206E C2	1.CO2E CC	3.931E-02	1.194E-10	4.694E-12
13	2.369E 02	1.012E 00		1.308E-10	
14	2.5336 02	1.023E 00		1.416E-10	
15	2.696E 02	1.043E 00	3.2466-02	1.528E-10	4.959E-12
16	2.860E 02	1.066E 00		1.626E-10	
17	3.C23E 12	1.085E 00		1.732E-10	
18	3.187E 02	1.107E 00	2.754E-02	1.822E-10	5.017E-12
19	3.350E 02	1.129E 00		1.925E-10	
50	3.513E C2	1.152E 00		2.028E-10	
21	3.677E C2	1.168E 0C	2.376E-02	2.118E-10	5.034E-12
72	3.840E 02	1.185E CC		2.210E-10	
23	4.004E 02	1.204E 00		2.303E-10	
24	4.167E 02	1.217E 00	2.0256-02	2.404E-10	4.867E-12
25	4.331E 02	1.232E 00		2.492E-10	
26	4.494E 02	1.248E 00		2.577E-10	
27	4.658E CZ	1.261E 00	1.722E-02	2.6555-10	4.572E-12
28	4.8218 02	1.276E CO		2.741E-10	
29	4.985E C2	1.294E 00		2.822E-10	
30	5.148E 02	1.306E 00	1.474E-02	2.913E-10	4.2946-12
31	5.312E 02	1.320E 00		3.000E-10	
32	5.475E 02	1.337E 00		3.078E+10	
33	5.639E C2	1.351E CC	1.291E-02	3.162E-10	4.081E-12
34	5.802E 02	1.364E 00		3.245E-10	
35	5.966E 02	1.378E 0G		3.324E-10	
36	6.129E P2	1.39°E °C	1.1256-02	3-4121-10	5.840E-12
37	6.293E C2	1.402E 00		3.5008-10	
38	6.456E 02	1.416E CO		3.5792-10	
39	6.62ME 02	1.427E 90	9.766E-03	5.65/E-10	5.572E-12
41	6.783E C2	1.438E 00		3.7368-10	

	TARGET	NO.	12	INCIDENT	ELECTRON	ENERGY	2.5 MEV
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CHANNE	L ENERGY KEV	C	DRR•F/	ACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
41	6.947E (2 1.	450E	00		3.814E-10	
42	7.110E)2 1.	46CE	00	8.505E-03	3.906E-10	3.322E-12
43	7.273E (12 1.	469E	00		4.000E-10	
44	7.437E (12 1.	477E	00		4.072E-10	
45	7.60CE (12 1.	489E	00	7.4376-03	4.152E-10	3.0886-12
46	7.764E ()2 1.	502E	JÜ		4.236E-10	
47	7.927E (יז זי	516E	30		4.308E-10	
48	8.091E (2 1.	529E	00	6.625E-03	4.391E-10	2.909E-12
49	8.254E ()2 1.	54CE	00		4.482E-10	
59	8.418E (2 1.	548E	00		4.554E-10	
51	8.581E ()2 1.	559E	00	5.807E-03	4.629E-10	2.688E-12
52	8.745E	² 1.	572E	00		4.707E-10	
53	8.908F (12 1.	587E	00		4.780E-10	
54	9.072E (`2 1 .	601E	00	5.223E-03	4.857E-10	2.537E-12
55	9.235E (2 1.	615E	00		4.942E-10	
56	9.399E ()2 1.	626E	00		5.015E-10	
57	9.562E ()2 1.	638E	00	4.655E-03	5.090E-10	2.369E-12
58	9.726E (2 1.	649E	00		5.168E-10	
59	9.889E ()2 1.	656E	00		5.241E-10	
69	1.005E ()3 1.	666E	00	4.106E-03	5.313E-10	2.181E-12
61	1.022E 0	9 1.	681E	00		5.385E-10	
62	1.738E (23 1.	694E	00		5.457E-10	
63	1.054E 0)3 1.	708E	00	3.714E-03	5.529E-10	2.054E-12
64	1.071E 0	3 1.	7236	00		5.601E-10	
65	1.087E 0	13 1.	735E	00		5.668E-10	
66	1.103E 0	·з 1.	747E	00	3.371E-03	5.735E-10	1.9336-12
67	1.120E 0	3 1.	761E	00		5.807E-10	
68	1.136E C)3 1.	773E	00		5.874E-10	
69	1.152E (`3 l.	785E	C 0	3.058E-03	5.941E-10	1.817E-12
70	1.169E C)3 1.	800E	00		6.012E-10	
71	1.185E (:3 1.	812E	00		6.080E-10	
72	1.201E 0	3 1.	824E	00	2.760E-03	6.145E-10	1.696E-12
73	1.218E C	3 1.	841E	00		6.204E-10	
74	1.234E (13 1.	857E	00		6.267E-10	
75	1.250E C	יז ז.	873E	00	2.519E-03	6.332E-10	1.595E-12
76	1.267E 0	3 1.	880E	00		6.391E-10	
77	1.283E C	13 1.	883E	CC		6.449E-10	
78	1.300E 0	יז ז.	883E	CC	2.1916-03	6.508E-10	1.426E-12
79	1.316E 0	13 1.	SUSE	00		6.567E-10	
80	1.332E 0	3 1.	917E	00		6.629E-10	

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CHANNEL	ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R=SQ CM./ MEV-ELEC.
81	1.349E ^3	1.927E 0C	1.9926-03	6.694E-10	1.334E-12
82	1.365E C3	1.955E CC		6.754E-10	
A 3	1.381E 03	1.983E 00		6.813E-10	
84	1.398E ^3	2.C10E 00	1.901E-03	6.871E-10	1.307E-12
85	1.414E 03	2.012E CC		6.975E-10	
86	1.43°E °3	2.011E CC		7.0736-10	
я 7	1.447E 03	2.010E 00	1.648E-03	7.145E-10	1.178E-12
88	1.463E ^3	2.031E 00		7.202E-10	
69	1.479E 03	2.056E CC		7.256E-10	
90	1.496E 03	2.076E 00	1.528E-03	7.315E-10	1.118E-12
91	1.512E 03	2.082E CO		7.3738-10	
42	1.528E C3	2.084E 00		7.4346-10	
93	1.545E 03	2.085E 00	1.318E-03	7.499E-10	9.886E-13
94	1.561E 03	2.094E 0C		7.560E-10	
95	1.577E C3	2.107E 00		7.62CE-10	
96	1.594E 03	2.117E OC	1.1686-03	7.685E-10	8.973E-13
97	1.610E 03	2.133E 00		7.746E-10	
98	1.626E C3	2.153E CC		7.805E-10	
a 9	1.643E 03	2.165E 00	1.052E-03	7.864E-10	8.271E-13
100	1.659E 03	2.177E 00		7.927E-10	
101	1.676E 03	2.188E CC		7.992E-10	
102	1.692E C3	2.202E 00	9.2946-04	8.0516-10	7.482E-13
103	1.708E 03	5.559E CC		8.106E-10	
104	1.725E C3	2.259E 00		8.159E-10	
105	1.741E ^3	2.279E 00	8.581E-04	8.1985-10	7.035E-13
106	1.757E 03	2.286E 00		8.246E-10	
107	1.774E 03	2.279E 00		8.305E-10	
108	1.790E 03	2.28CE CO	7.151E-04	8.364E-10	5.981E-13
109	1.806E 03	2.291E CC		8.4256-10	
110	1.823E 03	2.315E 00		8.491E-10	
111	1.839E 03	2.337E 00	6.366E-04	8.545E-10	5.439E-13
112	1.855E 03	2.360E 00		8.5956-10	
113	1.872E ^3	2.383E 00		8.641E-10	
114	1.888E ^3	2.400E 00	5.677E-04	8.687E-10	4.9326-13
115	1.904E C3	2.411E 00		8.734E-10	
116	1.921E 03	2.411E 00		8.786E-10	
117	1.937E 03	2.427E CC	4.8136-04	8.8396-10	4.254E-13
119	1.953E C3	2.454E 00		8-892F-10	
119	1.970E C3	2.499E 0C		8.951E-10	
120	1.986E C3	2.511F CC	4.351E-04	8,9975-10	3.9146-13

CHANNE	L ENERGY Kev	CORR.FACT.	ENGY.SPEC. PHOTONS/MEV -ELECTRON	FX.TO DOSE R/PHOTON/ SQ.CM.	DOSE SPEC R-SQ CM./ MEV-ELEC.
121	2.002E 03	2.499E 00		9.038E-10	
122	2.019E 03	2.436E 00		9.090E-10	
123	2.035E 03	2.439E 00	3.2246-04	9.1385-10	2.946E-13
124	2.052E 03	2.491E 00		9.184E-10	
125	2.068E 03	2.627E 00		9.230E-10	
12e	2.C84E C3	2.688E OC	3.415E-04	9.268E-10	3.165E-13
127	2.101E 03	2.687E CC		9.302E-10	
120	2.117E 03	2.581E 00		9.361E-10	
129	2.133E 03	2.533E 00	2.284E-04	9.416E-10	2.150E-13
130	2.150E 03	2.543E OC		9.4696-10	
131	2.166E 03	2.614E 00		9.515E-10	
132	2.182E C3	2.654E 00	2.0396-04	9.5346-10	1.944E-13
133	2.199E 03	2.655E QC		9.521E-10	
134	2.215E C3	2 . 598E 00		9.634E-10	
135	2.231E 03	2.594E 00	1.469E-04	9.728E-10	1.429E-13
136	2.248E 03	2.678E 0C		9.774E-10	
137	2.264E 03	2.828E CO		9.819E-10	
138	2.280E 03	2.925E CC	1.523E-04	2.916E-09	4.442E-13
139	2.297E 03	2.892E OC		8.772E-09	
140	2.313E 03	2.777E 00		5.266E-09	
141	2.329E C3	2.676E 00	9.026E-05	1.012E-09	9.132E-14
142	2.346E 03	2.672E CC		1.018E-09	
143	2.362E 03	2.676E 00		1.025E-09	
144	2.378E C3	2.704E CO	6.475E-05	1.031E-09	6.678E-14
145	2.395E 03	2.808E OC		1.038E-09	
146	2.411E C3	2.935E OC		1.049E-09	
147	2.428E C3	3.045E 00	5.552E-05	1.061E-09	5.891E-14
148	2.444E C3	3.001E OC		1.068E-09	
149	2.460E 03	2.882E 00		1.074E-09	
150	2.477E 03	2.764E 00	2.519E-05	1.081E-09	2.722E-14
151	2.493E 03	3.087E 0C		1.087E-09	
152	2.509E 03	2.032E 00		0.0	
153	2.526E Q3	0.0	0.0	0.0	0.0
154	2.542E 03	0.0		0.0	

DOSE= 4.641E-12 R-SQ.CM./ELECTRON

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