Database Computing in HEP—Progress Report

C. T. Day, S. Loken, J. F. MacFarlane

Lawrence Berkeley Laboratory [1]

E. May, D. Lifka, E. Lusk, L. E. Price

Argonne National Laboratory

A. Baden

Department of Physics
University of Maryland

R. Grossman, X. Qin

Department of Mathematics, Statistics, & Computer Science
University of Illinois at Chicago

L. Cormell, P. Leibold, D. Liu, U. Nixdorf, B. Scipioni, T. Song

Superconducting Supercollider Laboratory

Abstract

The major SSC experiments are expected to produce up to 1 Petabyte of data per year each. Once the primary reconstruction is completed by farms of inexpensive processors, I/O becomes a major factor in further analysis of the data. We believe that the application of database techniques can significantly reduce the I/O performed in these analyses. We present examples of such I/O reductions in prototypes based on relational and object-oriented databases of CDF data samples.

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