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Run II computing

Monday 27 September 2004 10:00 (30 minutes)

In support of the Tevatron physics program, the Run II experiments have
developed computing models and hardware facilities to support data sets at
the petabyte scale, currently corresponding to 500 pb-1 of data and over 2
years of production operations. The systems are complete from online
data collection to user analysis, and make extensive use of central services
and common solutions developed with the FNAL CD and experiment collaborating
institutions, and make use of global facilities to meet the computing needs.
We describe the similiarities and differences between computing on CDF and
D0 while describing solutions for database and database servers, data
handling, movement and storage and job submission mechanisms. The
facilities for production computing and analysis and the use of commody
fileservers will also be described. Much of the knowledge gained from
providing computing at this scale can be abstracted and applied to design
and planning for future experiments with large scale computing.

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