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## CDF Monte Carlo data transfer and storage with Grid tools

*Wednesday, September 5, 2007 8:00 AM (20 minutes)*

The CDF experiment at Fermilab produces Monte Carlo data files using computing resources on both the Open Science Grid (OSG) and LHC Computing Grid (LCG) grids. This data produced must be brought back to Fermilab for archival storage. In the past CDF produced Monte Carlo data on dedicated computer farms throughout the world. The data files were copied directly from the worker nodes to a few file servers located at FNAL using rcp and Kerberos authentication. As the experiment has moved from dedicated resources to shared resources on the grid, this technique has proven to be problematic. We plan to show how changing our data delivery model to one of concentrating the data in a few sites located in different regions throughout the world and shipping it back in a coordinated method back to FNAL improved our use of opportunistic CPU cycles. The details of the evaluation process and implemented solution including metrics demonstrating our performance will also be presented.

### **Submitted on behalf of Collaboration (ex, BaBar, ATLAS)**

CDF collaboration

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