

## Charge to Fermilab Run II Computing Review Panel

The CDF and D0 experiments are asked to together propose and arrange a series of talks from experiment and computing division personnel that present

- a) the current status of the computing systems and how they operate, both at Fermilab and worldwide, to enable the experiments to collect, store and analyze the Run II data.
- b) the experiment requirements and proposed computing model for the next 3 years, together with the estimated costs at Fermilab in terms of both equipment and manpower.
- c) the agreements in place by collaborating institutions to provide either manpower or services that the experiment relies on for some part of the processing and analysis of data.

The panel is asked to consider the following:

1. Is the current mode of operations efficient? Would further consolidation of CDF and D0 support improve efficiency or reduce manpower needs?
2. Does each experiment understand their requirements for CPU, disk, tape, network, and manpower for both operations and evolution of their systems? Are the input parameters (such as event size and rate, amount of reprocessing of raw data, amount of MC data desired, and i/o rate for analysis) well understood and reliable?
3. Are the projected costs (people and hardware) reasonable and is the model sound?
4. How well has each experiment presented a path forward for their data handling system and does it strike the correct balance between stability of their operations and the need to move forward and become aligned with a Grid computing fabric in Europe and the US?
5. Are the management mechanisms in the experiments and in the Computing Division working to ensure good communications between the physics groups, the software and computing enterprise of the experiment and the computing fabric and services supported through the Computing Division?