

New schedulers for PROOF in PHOBOS an on the Grid

The Parallel ROOT Facility, PROOF, allows one to analyze and understand very large data sets on an interactive time scale. It makes use of the inherent parallelism in event data and implements an architecture that optimizes I/O and CPU utilization in heterogeneous clusters with distributed storage. We will present our experiences in using a very large PROOF cluster in production for the PHOBOS experiment over the past year.

Several major improvements to the PROOF schedulers (packetizers) driven by our experiences as well as the requirements of Grid based “multi-master” sessions will be demonstrated.

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