

Lattice QCD Clusters at Fermilab

Monday 13 February 2006 11:00 (20 minutes)

As part of the DOE SciDAC “National Infrastructure for Lattice Gauge Computing” and DOE LQCD Projects, Fermilab builds and operates production clusters for lattice QCD simulations for the US community. We currently operate two clusters: a 128-node Pentium 4E Myrinet cluster, and a 520-node Pentium 640 Infiniband cluster. We discuss the operation of these systems and examine their performance in detail. We will also discuss the 1000-processor Infiniband cluster planned for Summer 2006.

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