



MINOS Status Report

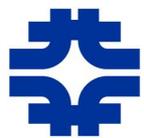


Benton Pahlka

NEAR DETECTOR



- ◆ Standard hiccups with electronics board failures; glitches are fixed on a regular basis
- ◆ Board failure rate is as expected (and low)
- ◆ Power outage over the weekend gave us no problems, followed documented procedures



MINOS Status Report



FAR DETECTOR



- ◆ A few minor problems with a couple of crates, all resolved quickly with no problems
- ◆ One misbehaving PMT identified and fixed
- ◆ Some issues with one of the two chillers: regulatory fan not operating properly
- ◆ Expected repair last week, still waiting on tech. Hopeful for repair this week.
- ◆ Not running magnet coil to reduce load on chiller



Refurbished DAQ Status



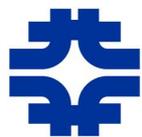
- ◆ Replacement network switch installed, configured, operational
 - Traffic and status monitoring page requested
- ◆ System configuration of all underground computers now ready
 - Possible to log in and do basic tests
- ◆ Need MINOS-specific services and packages installed, plus iterations with sysadmins over the details – easier once unattended running possible
- ◆ Performed heat / ventilation tests with fully loaded CPUs running a standard burn-in stress test; total rack current increases from 13A to 21A
- ◆ November 19: Running with front and rear doors closed, temperature did not stabilize; computers shut down automatically
- ◆ ⇒ Cannot run rack as a (mostly) closed system with front and rear doors closed – heat exhaust through top of rack inadequate



Refurbished DAQ Status



- ◆ November 26: Running with rear door open (front door closed) and temperatures stabilized after brief rise – propose to run this way
- ◆ Air flow is front to rear; keep front door closed with air intake filtered; should not be a problem for dust and dirt
- ◆ Rear door open an issue for fire safety
- ◆ November 28: Canned smoke test on rack near lower computers (Ion Munteanu) yields mixed results
- ◆ ⇒ Added new smoke sensor in lower part of rack, all now OK
- ◆ ORC review to start tomorrow morning



Summary



- ◆ Both Near and Far Detectors running smoothly (no major issues)
- ◆ DAQ refurbishment progressing nicely with few major issues
- ◆ DAQ ready for ORC review!
- ◆ Considering shift scheduling, remote shift stations, magnet energizing