



MINOS+ Status Report



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All Experimenters' Meetings

July 1, 2013



ND Hardware



- Detector and Magnet **ON**
- Swapped back VME Timing Module (VTM) S/N 09 in Crate 4
 - Board had software **rev 3.7**
 - Reprogrammed to the correct **version 3.a** (the same as all other VTMs)
 - Works OK in the test run.
- Spares situation
 - 3 Masters
 - 5 Minders
- Good opportunity to replace some hot channel ones
- General plan is to address and fix any hardware issue to keep detector ready for beam



ND DAQ



- **new** DAQ Running continuously since last December
- Investigation on the new DAQ readout issues (Bill Badgett) in the past two weeks.
 - "**low singles rate**" problem, **solved** by adding short (ms) delays before and after the DAC VME writes
 - "**zero pedestal**" problem, this week's focus.
- New web based Online Monitor Tools under development
 - Make it easy to compare with the reference plots



ND Networking



- Near Detector new networking rack switch over
 - Happened last Thursday and Friday
 - Plug individual connections to the new switch
 - Affect both MINOS/MINERvA networking
 - Successfully. seems have no problems since then
 - Big thanks to the Network cabling group!
- ND gateway and DAQ computers underground were tripped in two separate incidences last week
 - Accidentally knocked the upper Pulizzi's circuit break to OFF
 - Will watch closely to see whether happens again

Old Rack



New Rack





Far Detector



- Smooth DAQ running for the past few weeks
- Replaced RPS in rack 15
- Replaced BRP2, ROP6 with a good spare
- Reset dynode and sparsifier threshold tables
- No other issues known



MINOS+ Readiness



- Regular shifts are underway
- Identify any outstanding issues
- Working hard to confirm the ability to take good data when beam arrives