



MINOS+ Status Report



Xinjie Qiu
All Experimenters' Meetings
July 29, 2013



ND Hardware



- Detector and Magnet **ON**
- Rack FE-V3 208V switch would not stay on
 - the power front-end caused components and the AC fuse on the back of the PS chassis to blow
 - replaced with a 10A slow-blow (instead of 16A)
 - bad Wiener will be repaired
- Issues
 - 2 warm channels
 - 2 low rate Minders (PMTs ?)
- “Good spares” status:
 - 2 VTM (3 more repaired, need to be tested in situ)
 - 3 Masters
 - 2 Minders (6 new coming soon)
- Good opportunity to replace bad 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
- Light Injection Gain curve log files issue
 - Fixed. Related to the new and old DAQ log copy script conflicts. Files were overwritten in the same area causing confusion
- DAQ on-call experts
 - Yell-DAQ phone number in service soon
 - To train a few more experts
 - Trainee: Navaneeth Poonthottathil and Xinjie Qiu
 - Trainer: Donatella Torretta, Bill Badgett, Steve Hahn



Far Detector



- Regular detector maintenance
- Rebuilt crate 12 (replaced PS, fans, sensors ...) last week.
- RPS on crates 10, 12, 15 "low voltage warning"
 - Wiener POSITIVE voltages go into LOW voltage warning.
- Replaced capacitors in the +/- 5 volt VFB supplies and the +/- 6 volt supplies.
- Replaced the Harvard box and tested the fan pack.
- Changed out far detector HV card 4 in mainframe 5
- No serious issues known



MINOS+ Readiness



- Regular shifts are underway
 - Newly certified remote shift Institution, Warsaw, Poland, was taking the official shift for the past week.
- Identify any outstanding issues
 - ✓ Clean up the control room MINOS area
 - ✓ Update contact lists both on the web and chalkboard
 - ✓ Update shift taking procedures, shift forms
 - ✓ Fix broken links
 - AD Elog links, IFBEAM status page, new DCS and Timing pages, etc
- Working hard to confirm the ability to take good data when beam arrives