



MINOS+ Status Report



Xinjie Qiu
All Experimenters' Meetings
August 5, 2013



Near Detector



- Detector and Magnet **ON**
- Spares status:
 - 4 good VTM
 - 2 previous good ones are retired, serving as spares.
 - 2 new ones were tested working and are currently in use
 - 1 new one was tested bad, may be wrong chip?
 - 8 good minders
 - 6 are new
 - Gary@Argonne has parts to build 10 more minders
- Two warm channels
 - Plan to replace them tomorrow
- Low rate minders (0-20-1, 0-18-6)
 - Checked HV on plane 231 appeared to be zero
 - Will check it again, maybe a bad HV card or cable?
 - Possible bad PMTs (PMT 144, PMT 178)
- Water dripping
 - Pan leaks over the magnet power supply
 - Plan is to clean the drain line clog, or replace the drain line today
 - May need shut down power supply



Far Detector



- Regular detector maintenance
- All crates rebuilt is done (replaced PS, fans, sensors, cables, fuse, capacitors, etc.)
- All has been verified good
- Fixed one hot channel in crate 3, a few more hot channels in crate 6
- Replaced all batteries in the UPS
- Power outage last Thursday night
 - Due to storm lightning
 - DCS computer got knocked out
 - They were not plugged into a UPS recently replaced
 - Crates 1, 4, 5, 6 ,10, & 13 were knocked out
 - all with “208 UPS out with OP SHORT FAILURES”.
 - all the problems were fixed by resetting.
- In general in good shape



DAQ



- **new** DAQ Running continuously since last December
- Light Injection Gain Curve
 - Has been run for both ND and FD
 - Now has the ability to start manually if necessary
- DAQ on-call experts
 - Yell-DAQ phone number is in operation now
 - Training a few more experts



MINOS+ Readiness



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