

NEAR DETECTOR:

Since last AEM:

Detector was powered off for outages near beginning of month

Detector powered back on after last outage

One wiener power supply failed to come back up with proper output voltages

One dead PMT

One faulty readout board

These have been swapped out

Things to do before beam is back:

Special set of single channel noise runs

Set of calibration runs at different coil currents

Persistent issues:

Cooling water runs at consistently elevated temperatures

Need permanent solution to cool water as more experiments come online

Coil power supply requires augmentation to run in more reliable mode

Hope to have this done in fall



NuMI-MINOS Status Report — Gregory Pawloski

FAR DETECTOR:

Since last AEM:

Running in reversed field

In anticipation of antineutrino running

Performed DAQ and coil maintenance

Things to do before beam is back:

Swap out a faulty DAQ unit that needs to be reset every few hours

Replace UPS batteries

NuMI and Monitors:

New target (3rd target)

New Hadron Monitor

Added aluminum absorbers in front of Muon Monitors

For 1st ~week of beam we will have low intensity runs

We will scan over 4 different target positions and for each position:

- Scan over different horn current values

- Move the Al absorbers in and out to determine the delta ray background

After the scans we will have $1e19$ POT of forward horn current running

ND coil will be forward current

Purpose is to validate target

Switch to reverse horn current running

ND coil will be reverse current

FD coil will be reverse current