The MINERνA Operations Report
All Experimenters Meeting

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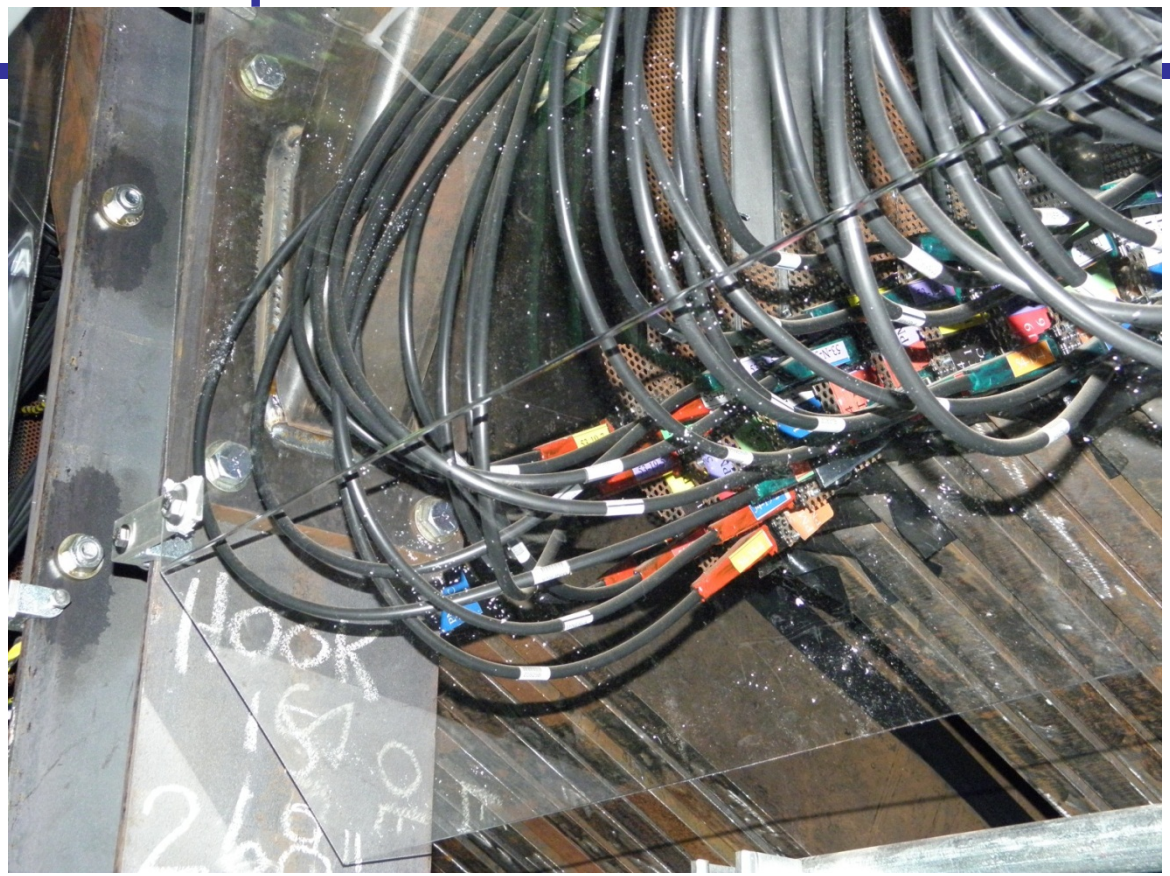
Rock Catcher Put on Detector

Optical Cable Covers



- Covers prevent people from touching optical cables
  - Sometimes cables aren't properly latched in & come out when touched
- We thank the PPD Mechanical Group for the constructing the rock catcher and cable covers.

Tasks needed for Rock Catcher

- The Vesda System (smoke detection) is installed and the readout is finished.
- Temperature rate of rise sensors are installed and the readout is finished.
- The 4 cameras used to look at the detectors are ready to be installed
  - 3 cameras look at detector & 1 looks at electronics rack
  - Should be installed this week
  - The output of the cameras will go to a WEB page
- The connection of the rack protection system in the LI rack is ready to be connected to the FIRUS system
- We thank Linda Bagby for coordinating this effort

Tasks

- The tilt monitors should be installed next week,
  - 4 will be installed on the phototubes on the corners of the detector.
  - This task should be finished this week

Measuring Dust Levels in MINOS Hall

- ES&H brought 4 dust monitors to MINOS Hall.
  - Check to sure dust levels during excavation does not cause a problem
  - These monitor have a pump which deposits the dust on a filter and the filter is sent for analysis .The monitors were left in the hall for 8 hours
  - 3 total dust monitors
    - Top of detector (PMTs), MINERvA DAQ rack, North end of MINOS Hall
  - 1 for respirable dust - dust particles < 2.5 microns
    - MINOS DAQ computers
- Results are under the reporting of limit of 50 μg
  - Dust level < 0.05 mg/m^3
  - ES&H says no personal problem, but we were sure there was none.
- Measure dust levels during excavation.
- Thank ES&H for this measurement

Water Target

- Water target drained
  - If it has a certain life time, we do not was to use it when there is no beam
- But before drained, we had Alignment & Metrology measure what they could
  - Measure the width of the target at the widest extent
  - Measure width from the widest extend to the bottom of the target at 5 points
  - These results will be an input to the calculation of the target shape

Where did the 40 gallons go ?

- Put 180.1 gal of water in the target on 11/18
  - The 180 gal is close to the calculated volume of the target
  - An additional 12 gallons added as the target expanded
- Removed 148.7 gal of water
  - We think the flow meter for removing the water was not calibrated correctly
- John Voirin suggested we refill the target and weight the 55 gallon drums before and after they have been emptied.
  - Scale has calibrated with 500 lb weight
  - Scheduled to fill target tomorrow

Detector

- The detector HV was turned off on May 31, after the beam run was finished
- HV is still off and will leave it off until the tasks on the detector are finished, probably this week.
  - The detector is powered up
  - A careful light leak checking will be done