

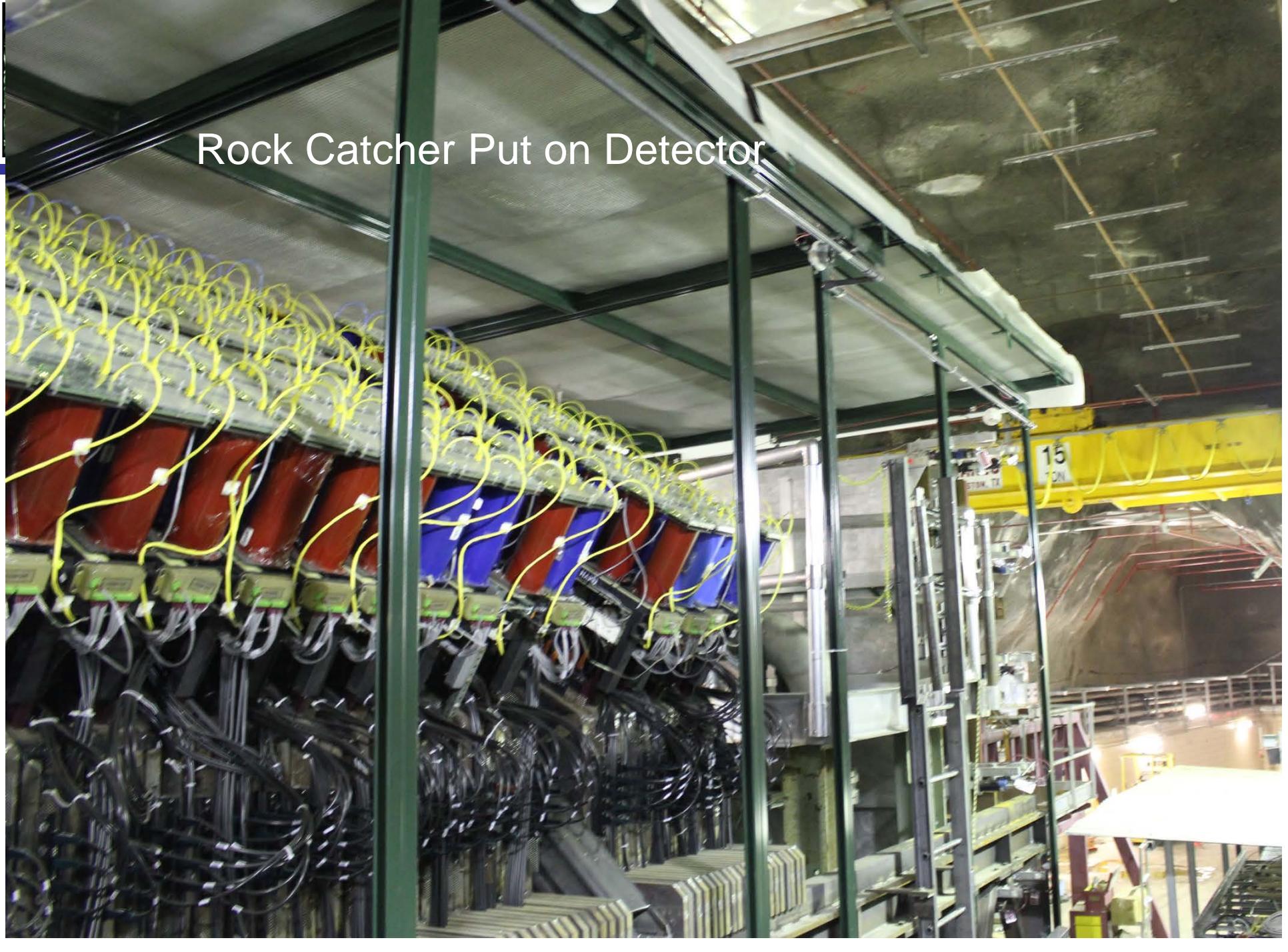
The MINERvA Operations Report

All Experimenters Meeting

Howard Budd, University of Rochester
Jun 4, 2012

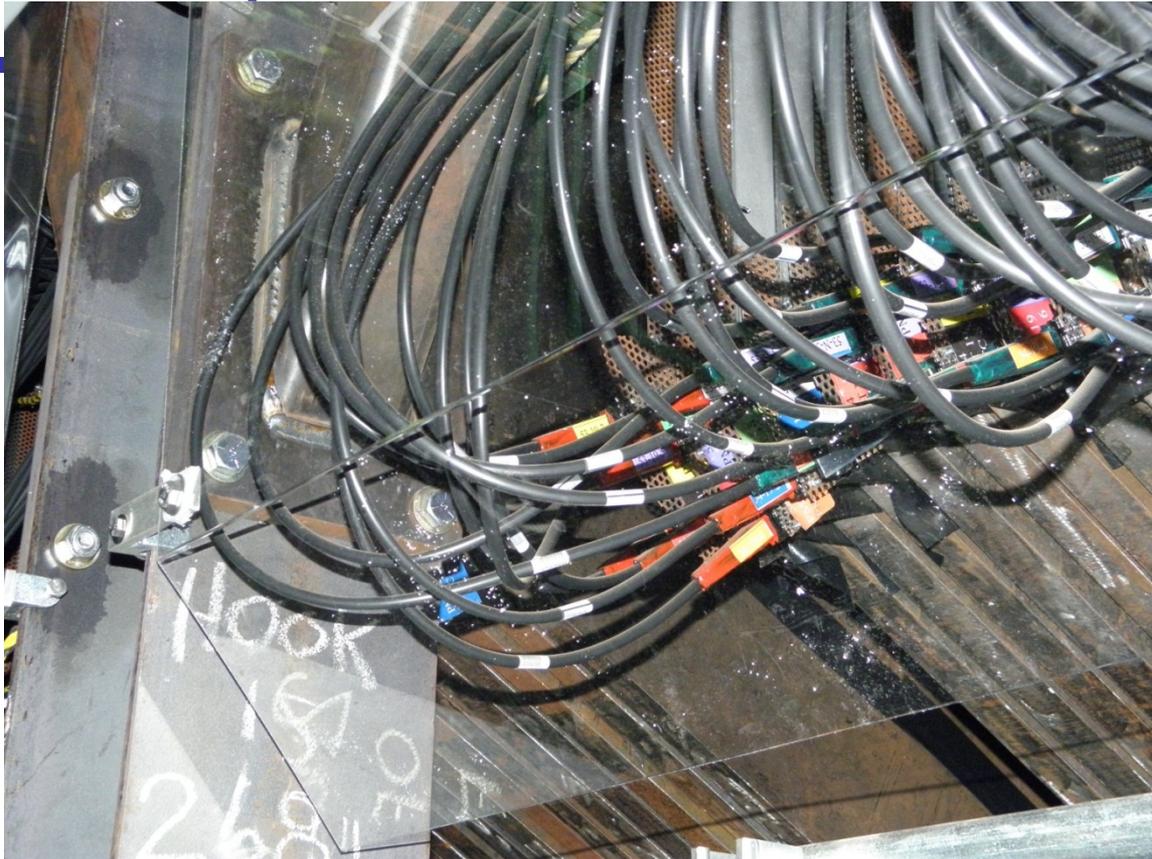
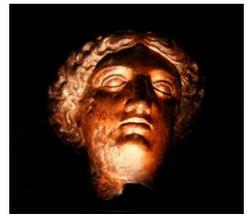


Rock Catcher Put on Detector





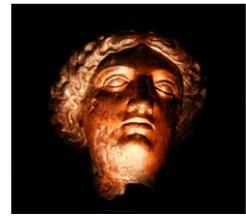
Optical Cable Covers



- 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



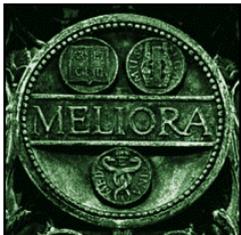
- The Vesda System (smoke detection) is installed and the readout is finished.
- Temperature rate of rise sensors are installed and the readout is finished.
- The 4 cameras used to look at the detectors are ready to be installed
 - 3 cameras look at detector & 1 looks at electronics rack
 - Should be 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



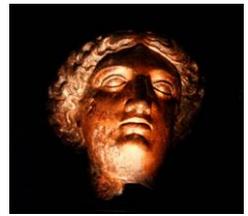
- ES&H brought 4 dust monitors to MINOS Hall.
 - Check to sure dust levels during excavation does not cause a problem
 - These monitor have a pump which deposits the dust on a filter and the filter is sent for analysis .The monitors were left in the hall for 8 hours
 - 3 total dust monitors
 - Top of 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 expected no problem.
- 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 want 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 extent 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