The MINERνA Operations Report
All Experimenters Meeting

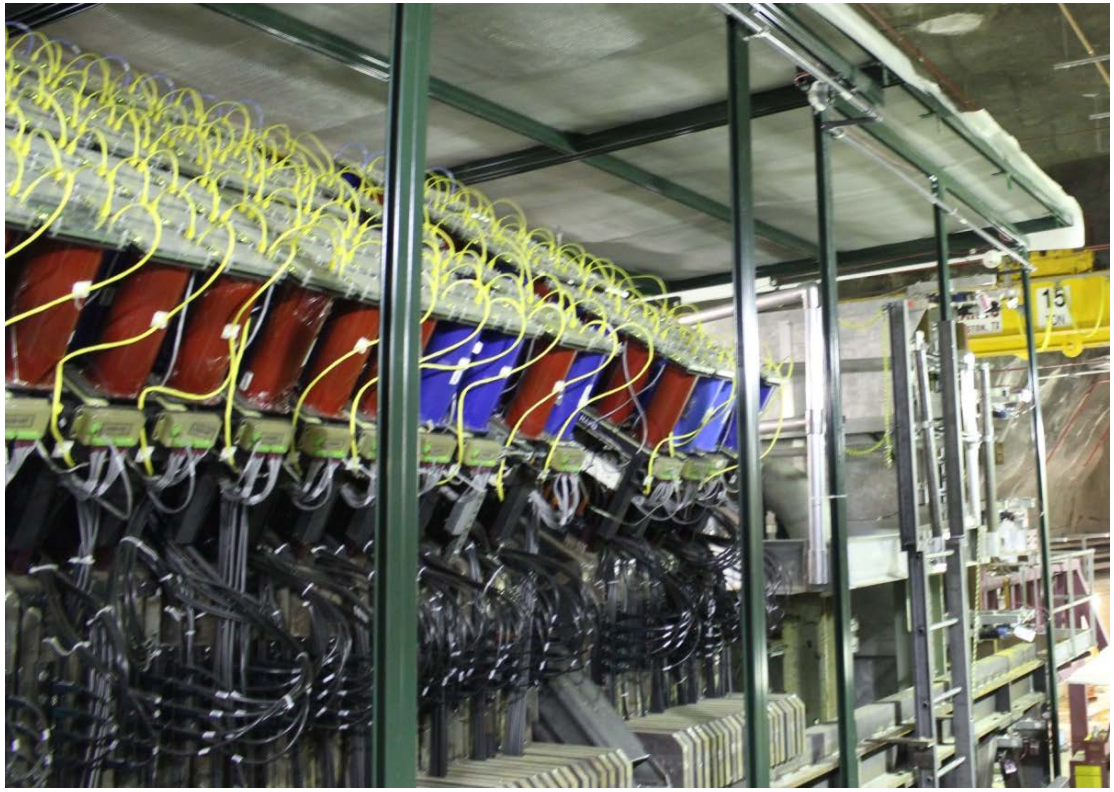
Howard Budd, University of Rochester

Jul 2, 2012

MINERvA Detector

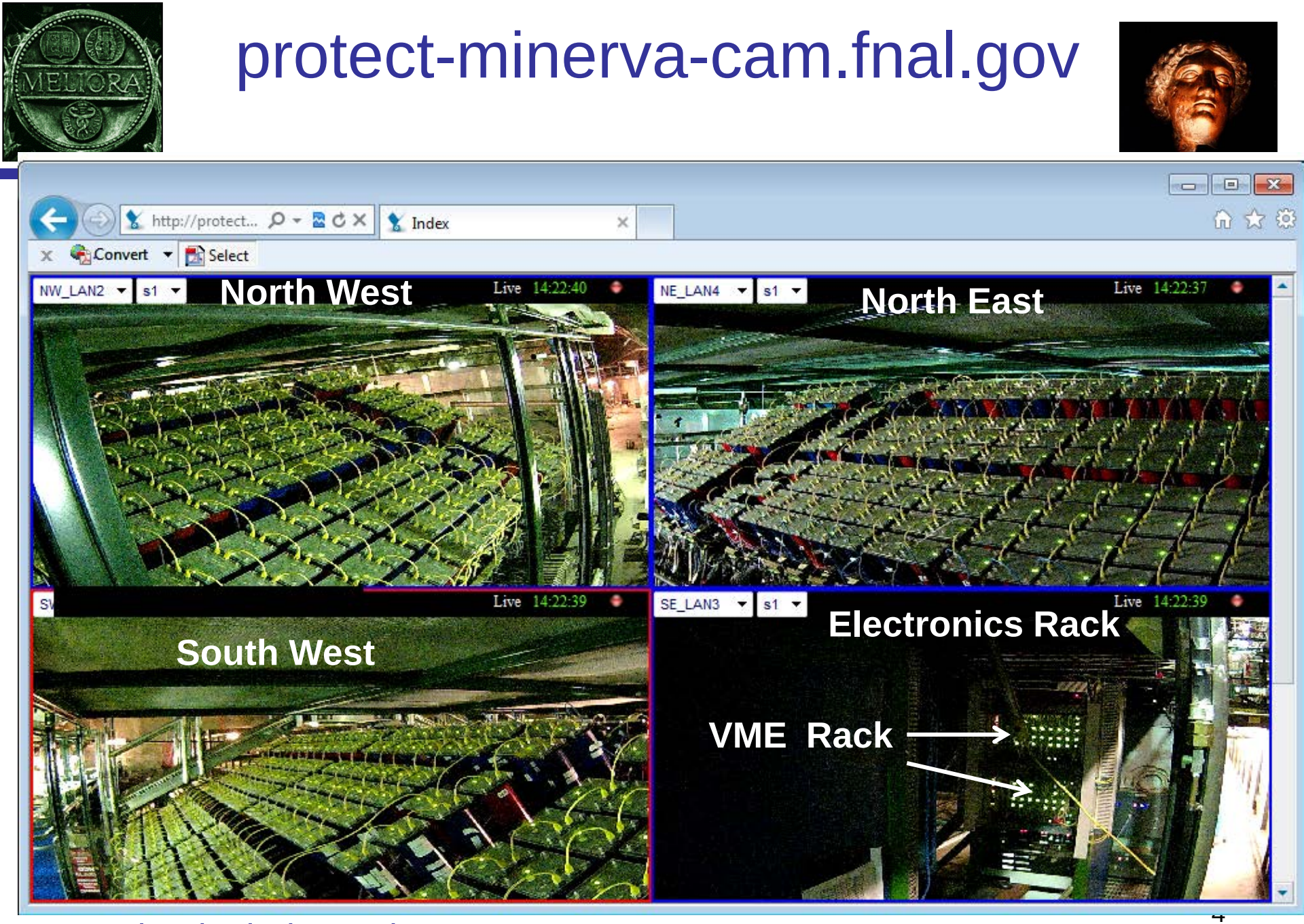
- June 15 the detector was turned off for power outage
- July 27 turned on and put on HV
  - No light leaks created by the work done during May and June
- While the detector is on HV, we are running shifts which lasts 2 hours to ensure the detector is fine
- In anticipation of the MINOS Hall power outage we will turn the detector off tomorrow.

Finishing Safety Tasks for Roof



- Last task is to connect Rack Protection System to the FIRUS system
  - Need to test by having RPS trip off MINERvA racks
  - Tried to do this but ran into a problem
  - We will retry after the MINOS Hall Power Outage
  - We thank Linda Bagby for coordinating these tasks

protect-minerva-cam.fnal.gov



- Thank Linda Bagby

Tilt Monitors
Jun 26 - 27

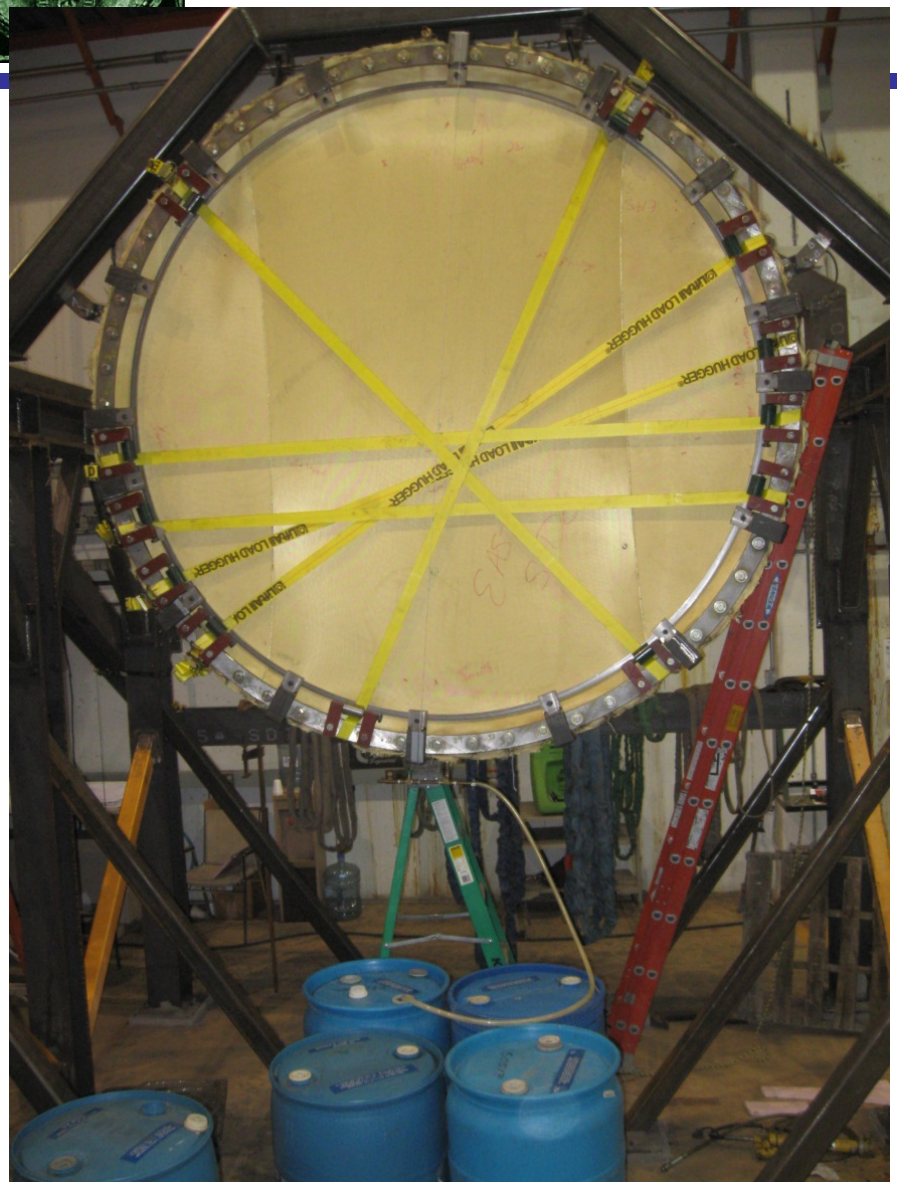
Contractors moved cherry picker
Near MINERvA

Turning on the MINERvA detector

Fan being replaced

- 4 tilt sensors (vibration monitor)
- Installed on PMTs on the 4 corners of the detector
- 2 opposite corners oriented to measure the same shift direction
  - Location Tilt measured
  - SW - East-West
  - SE - North-South
  - NW - North-South
  - NE - East-West
- Thank Linda Bagby and Todd Johnson

Water Target



- Bob Wands calculated the water target should hold 175 gallons
- Put 192.6 gallons of water in the water target on Nov 18 – May 15 according to flow meters
- Drained 148.7 gallons
- Discrepancy of 46 gallons

Water Target

- John Voirin suggested we refill the target and weight the 55 gallon drums before and after they have been emptied.
  - Scale close to .5% accurate according to a calibrated weight
  - Refilled the water target
  - Measured 172.5 gallons, close to 175 gallons that Bob Wands calculated.
- We will probably drain the target during week of July 16.
  - We will weight the water while draining the target