

The MINERvA Operations Report

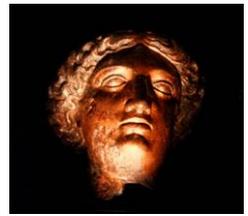
All Experimenters Meeting

Howard Budd, University of Rochester
July 22, 2013





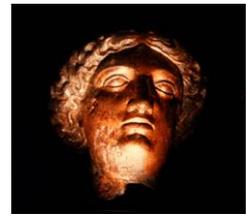
MINERvA Shifts



- Running weekday day shifts
 - We have our final configuration of FEBs & PMTs
 - All FEBs & PMTs operating
 - We are continually running PED and LI (light injection) runs
 - These runs are used for our ped and gain calibrations and to set the HV of our tubes
 - We have not seen the HV varying problem on the detector during the shutdown.
 - HV (set by a Cockcroft-Walton generator) varies
 - Most often problem in LE Run.
- 12th Floor computers are ready for the shifters.
- We will be running shifts during target scans



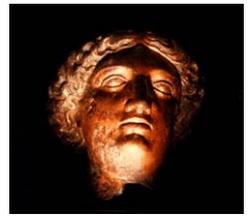
DAQ



- LI system requires 2 serial ports (2 LI boxes) but the DAQ computer only has one.
 - We are now taking LI data using both the serial port on the DAQ computer and the serial port on the DAQ computer we previously used
 - We will eventually use 1 computer
 - Possibly solution is to have 2 serial cards in the DAQ computer
- July 19, PCI Card failed in the DAQ computer, switched to the computer in rack which we previously used for data taking.



DAQ



- We have been having problems with the clock being transmitted or being received around the FEB daisy chain loop
 - CROC channel → FEB → ... → FEB → CROC channel,
 - A CROC has 4 channels
 - As many as 10 FEB on a channel.
 - Last week a CROC-E had 2 channels with this problem. The CROC-E was replaced and the problem was fixed.



Target Scan Running



- During the period of the target scans we would like a number of low intensity pulses with target in and horns pulsing.
 - We have a new readout hardware, CROC-E, & we want to check with rock muons that they look OK on the event display. If there is a problem we can immediately try to solve the problem
 - We do not have a cosmic ray trigger to check this before beam
 - We want to check the timing of our trigger relative to the beam



Muon Monitor 4



- We are waiting for the gas system from U of Texas, Austin to finish the installation of the Muon Monitor 4
- This week we will calibrate the Droege HV supplies and install the HV control cables
 - This can be done outside the alcove
 - For testing the chambers we can set the HV manually