

The MINERvA Operations Report

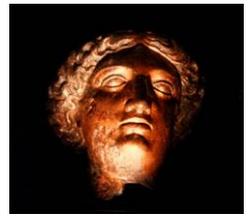
All Experimenters Meeting

Howard Budd, University of Rochester
Aug 19, 2013





DAQ



- Running weekday day shifts
 - Goal is to keep running the DAQ and check the data
 - PEDs & LI runs
 - All FEBs & PMTs are operating properly.
- The TXRX error which prevented us from running was fixed through a firmware upgrade
 - The firmware chooses either the leading or trailing edge of the clock
 - All CROC-E boards were modified, tested, & reinstalled
 - The error has not reappeared



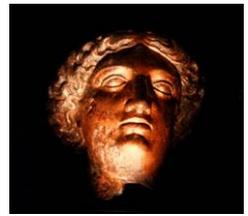
DAQ



- Another problem, but not as big a problem
 - DeserialiatizationLock error
 - Problem with clock completing the chain
 - This problem causes the run to stop and skip to the next sub run. No operator intervention is required to keep the DAQ running. The DAQ is able to recover from this error.
- The DAQ runs well enough to take data
 - Files with varying # of gates can be analyzed
- We are continuing our investigation on this error.
 - The error does not occur in LI runs, but it occurs in about 70% of the PED runs.



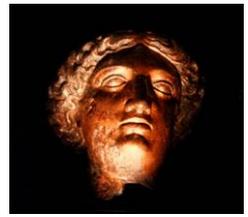
CROC-E Firmware Upgrade



- We are considering a firmware upgrade for the CROC-Es starting Aug 23 to be finished on Aug 27
 - This will pass the CRC word (cyclic redundancy check) for all the frames to check that there is no problem with the data. We have not seen any problem with the data, but this will enable us to check it.
 - This will require the CROC-E be brought to the 14th floor to do the upgrade.



AC Distribution Chassis



- We had a AC Distribution Chassis fail in one of our 2 racks.
 - We would like to thank Mike Cherry, PPD EED, for replacing the box
 - In addition Mike Cherry put in new power supplies for the FEBs at the same time