



MINER_vA Update

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AEM :: October 27, 2014



CROCE Update



- Reinstalled the boards Wednesday Oct. 15 and light leak checked the detector last Monday (all looked good) after removing the roof the week before
- After running for about a day, it was obvious that something wasn't quite right
 - Every so often the DAQ would crash with a sequencer error
 - Far more often, the nearline system would crash due to a bad data frame (but the DAQ would keep running)
 - This caused us to lose all the gates taken after the bad frame
 - Concentrated in two specific chains → Donatella narrowed down which FEB was producing the error and we swapped one board last Wednesday
 - We are still seeing junk frames from that chain, but a different FEB now (although now with less frequency)
- Consulting with Cristian Gingu (who wrote the firmware)



Veto Wall Status



- Veto Wall sits in front of the detector, it consists of two planes of scintillating panels connected to PMTs, purpose is to try to distinguish rock muons from signal muons in the He target and the first nuclear target plane
- Geoff Savage has got the Veto Wall Monitoring script up and running on mnvonlinemaster (had been running on mnvonlinebck1)
 - Now we can control and monitor the high voltage to the PMTs
- Experts light leak checked the PMTs on Friday and are currently working on fixing/replacing a base on one of the veto wall PMTs



Beam Returns!!



- Were not receiving \$A9s when they returned Friday evening
 - Neither could MINOS
 - Turns out that the timing delays in the \$E8 crate (located in the MINOS DAQ racks) were set to zero
 - MCR reset the crate to the values they were at before shutdown
- Triggers returned!!!!
- Thanks to AD for early return of the beam and handling the Be window swap quickly
- We want to verify that the beamline is producing neutrinos at the same rate as before so that we can do a low intensity run: 2E28 POT requested, with 2E12 per booster batch (half the nominal intensity)
- I'll let Howard present the POT information next week



Beam Returns!!

