

Lab Status / AEM Meeting Notes

Monday February 13, 2017

<https://indico.fnal.gov/conferenceDisplay.py?confId=13797>

Incidents:

- AD: Technician cut hand while cutting tubing, 7 stiches.
- PPD: A g-2 collaborator damaged a lab vehicle while backing up. The rear-view mirror struck a bollard. No injuries. The user was cited.

Accelerator Operations:

- LINAC, Booster, MI & Recycler running well.
- NuMI: 1.74E19 POT, 625-650 kW with SY.
- BNB: 5.93E18 POT.
- SY120: 3.5 E16 POT, 92 hours to MTest.
- Future schedule can be found: <http://www-ad.fnal.gov/ops/schedule.html>
- PIP-II Injector test: Third week of Shut down to install 30deg bend in LEBT.
- FAST: Shutdown for 300 MeV upgrade continues. All 21 Quads have been installed & are being aligned.
- LCLSII prototype cryo module. Various systems tests & microphonics measurements.

MicroBooNE:

- 93.5% uptime, but with HV issues data is not for physics. Increase noise activity in drift HV power supply continues to be diagnosed. Cause not yet identified.

MINERvA: (Feb 2-9)

- 97.4% uptime (96.2% with MINOS ND).

NOvA:

- Running smoothly. 99.4% FD uptime. Requesting horn polarity reversal as soon as practical. MINERvA is happy with this. We plan to proceed as soon as we have the required experts available.

SeaQuest:

- Taking data with solid targets. 97% good proton utilization. 1.2E16 not inhibited. H2 & D2 target filling will begin soon, once leaking lines fixed.

PPD Operations:

- A sheet pile wall at the Meson Detector Building failed over the weekend. The wall holds back gravel that is piled on the old MW beam enclosure that is now the MCenter control room. The hole is about 1 foot diameter. Gravel fell into the building over the weekend. Hardhats are now required in the area below the hole while we look for a fix that won't interfere with running.

- Muon g-2 closed up the lower solenoid cryostat on Friday. Cryo shifts began today. Currently preparing for cooldown. Experimenters continue installation of detectors.
- CMS forward calorimeter electronics installation is running ahead of schedule.

ND Operations:

- No report.

TD Operations:

- The IB1 cryo plant continues to be off, recovering from the contamination-purging warm-up. Operation will resume after Wednesday's power outage. Will build a reservoir of LHe over the weekend. Testing on Monday.
- The new compressor/purifier check-out continues. Expect it to be in full operation when the refrigerator starts up later this week.
- Increased the axial pre-load on the LARP model quadrupole last week. The work was done in IB1 and at a higher pressure than before.
- Ribbon cutting for the new Material Science Lab in ICB last week. Some equipment, such as our scanning electron microscope, is being relocated from elsewhere. The flagship is a new Time Of Flight – Secondary Ion Mass Spectrometer. The main purpose of the lab is surface analysis of SRF materials, but other users will be considered.
- Work continues on the first production cryomodule for LCLS-II, with delivery to CMTF planned for early March.

Computing Operations:

- CCD: Thurs 2/9: 2 hr outage of external DNS servers due to security scanning issues.
- SCD: Good week.

Office of Communication:

- Registration open for June 7th anniversary celebration.
- Thanks to helpers for Sunday's Family Open House. Very good attendance.
- PechaKucha night at 7pm on Thursday ... details on lab calendar.

Directorate:

- No report.