

**Lab Status / AEM Meeting Notes**  
Monday November 14, 2016

<https://indico.fnal.gov/conferenceDisplay.py?confId=13324>

**Incidents:**

- PPD: DART case ... injured knee last week.
- AD: ORPS Category 4: Power supply LOTO procedural violation.
- Contractor wrenched knee.
- Gas line hit in village – service now restored.

**Accelerator Operations:**

- Delivered 1.26E19 POT to BNB for MicroBooNE, and low intensity beam to NuMI for horn scans, and beam to SeaQuest on Sunday. LINAC & Booster running well. MI/RR starting up.
- NuMI horn current reversed today.
- Planning ongoing for repairs of damaged MI-12 communication duct.
- MI52 access today for septum repair. Short ~3hour access tomorrow to top off oil.
- Future schedule can be found: <http://www-ad.fnal.gov/ops/schedule.html>
- PIP-II Injector test: CW RFQ operation startup.
- FAST: Shutdown for 300 MeV upgrade continues. Cave Block installation complete. Beginning magnet and stand installation.
- LCLSII prototype cryo module: Cooldown expected in late Nov/early Dec.
- ICW Reduction: Needed to establish new Casey's Pond water strainer vault. Two week reduction early in January ... will know more about impacts after measurements during November.

**MicroBooNE:**

- Good week. 1.23e19 POT delivered. 97.6% uptime. Since post-shutdown BNB startup, 0.4e20 POT delivered.

**MINERvA:**

- MINERvA & MINOS DAQ and new front end board firmware running well. Various startup issues being worked through.

**NOvA:**

- 100% uptime since beam returned.
- Beginning "Miniproduction." Expect lower computing success rate as issues worked out.

**SeaQuest:**

- Finishing update of DAQ. Test data taken.
- Will be ready to take data soon.

**PPD Operations:**

- g-2: Cryo recovery complete  
Solenoid running over weekend  
Inflector commissioning started this morning
- mu2e: Transfer line should be completed tomorrow
- SPT3G: Brad and telescope at McMurdo  
Adam Anderson arrived NZ just after quake. All are safe.
- CMS: All 4 FPIX half-barrels at CERN. One is at point 5. Two complete at TIF. Last one nearly assembled. pp run finished at end of October. Record lumi.  $41.1 \text{ fb}^{-1}$  delivered by LHC.  $37.8 \text{ fb}^{-1}$  recorded by CMS.  
Running protons vs. heavy ions until year-end shutdown.

**ND Operations:**

- protoDUNE SP: all the recent design reviews complete.
- Starting LAr filling at LAPD.
- SBN: Expect beneficial occupancy of FD building by end of CY, and ND building soon after. ICARUS installation meeting at CERN this week.

**TD Operations:**

- Supporting SRF cavity testing in VTS1, VTS2, and VTS3.
- Cavity testing continues on the 3 SRF test stands.
- Continue quench protection studies with the CLIQ system for LARP.
- Completed magnetic measurements on 6 out of 19 ASQA magnets for IOTA ring.
- Continued controls system checkout for cryo plant upgrade.

**Computing Operations:**

- CCD: Good week. EBS issues for 2.5 hours on 11/7. TeamCenter outage for 0.5 hours on 11/11.
- SCD: Good week. No outages. Demonstrated 150K jobs running on Google Cloud.

**Office of Communication:**

- No news.

**Directorate:**

- No news.