

Lab Status / AEM Meeting Notes

Monday November 21, 2016

<https://indico.fnal.gov/conferenceDisplay.py?confId=13339>

Incidents:

A natural gas line was hit near the intersection of Eola and Sauk Circle in the Village on Monday, November 14. FFD responded and the leak was isolated by FESS personnel. The subcontractor was excavating near a domestic water valve and hit an unmarked gas line. An investigation of the incident is underway.

Accelerator Operations:

- LINAC, Booster & BNB running well, Recycler in startup. NuMI at ~320kW. Beam to SY when requested. Septum repaired. MTest studies.
- Delivered $8.4E18$ POT to NuMI.
- Delivered $1.38E19$ POT to BNB for MicroBooNE.
- 4.2 hours of beam to SeaQuest, at their request.
- Future schedule can be found: <http://www-ad.fnal.gov/ops/schedule.html>
- Planning to repair MI-12 Communication Duct progressing.
- Work completed on repairing MS1 Bus.
- 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 & testing expected to extend into January.
- 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. $1.36e19$ POT delivered. 97% uptime.

MINERvA:

- 92.8% uptime (92.5% with MINOS ND live). Nearline system corrupted during update ... now recovered OK. MINOS Chiller failure resulted in magnet off overnight to cool down.

NOvA:

- Major snowstorm in Minnesota on Friday resulted in partial power outage, compressor failure, overheating in the server room, and sprinkler discharge. Still recovering. Up until the storm, efficiency was >95%.
- Overall efficiency (with storm) 61%.

SeaQuest:

- Having problems with upgraded DAQ.

PPD Operations:

- Muon g-2 inflector tested at full current. Warm-up now begun.
- Farah Fahim (PPD/EED) received award for outstanding student presentation at the IEEE Nuclear Science Symposium 2016.

ND Operations:

- SBN: SBN-FD I&I meeting at CERN last week. Discussions on cryostat assembly, cold vessel acceptance, piping design, grounding/isolation of cryogenic systems, etc.
- LAPD cryostat being filled with LAr.
- ANNIE calibrating with neutron source.
- protoDUNE-SP: Proceeding with design work & preparations for shielded room installation.

TD Operations:

- Fourth LCLS-II quad ready for magnet measurements.
- Two MDCE dipoles for Muon g-2 shipped and installed.
- Some trouble with the vacuum oven used for vacuum impregnation in IB2. Working but vulnerable.
- On Mu2e, couple of people going to Milwaukee to observe dry assembly of platform that goes around cryostat at HAB for testing Transport Solenoid modules.

Computing Operations:

- CCD: Nov. 16 Controller failure brought down entire storage array affecting various services for 4 hours. Nov. 17 ServiceNow stopped processing email for 13 hours. Nov 18 Power outage at NOvA FD.
- SCD: Good week. No outages. Note large CMS computing increases when running Google Cloud tests ... effectively doubling overall CMS computing capacity with 65% of all CMS jobs running on Google.

Office of Communication:

- All-Office of CRO meeting Nov. 29 at 11am
- Dec 1 Community Advisory Board meeting
- December 2 Artist Reception 5-8 p.m. for 2016 Artist in Residence Ellen Sandor
- Lunchtime sessions for information and discussion about 50th anniversary: Nov. 30 and Dec. 5 in One West
- December 10 Science of Star Wars event in evening. Employee screenings Dec. 13 and 15 in Auditorium

Directorate:

- Nigel: Successful PIP2 review last week. Also LBNF/DUNE funding agency meeting ... pleased with progress in documenting all of the funding.