

AEM Meeting Notes
Monday July 9, 2018

<https://indico.fnal.gov/event/17519/>

Accelerator (July 2 - 9):

- NuMI: 1.20E19 POT
- BNB: 0.48E19 POT
- Muon: 0.82E18 POT
- MTest: 67.1 hours
- MCenter: 26.7 hours
- LINAC, Booster, MI , RR running well.
- Monitoring NuMI target helium leak.
- Summer shutdown: beam switched off July 7.
- ALL POT goals met for FY18 and the complex delivered 1E21 protons, a new FY record!
- PIP-II Injector test: shutdown for cryogenic transfer line installation.
- FAST: Beam operations scheduled to begin in July.
- LCLSII: Cryomodule F1.3-10 installation in progress.
- Summary of planned summer power outages was shown.
- Schedule: <http://www-ad.fnal.gov/ops/schedule.html>

MicroBooNE

- POT weighted uptime 95.5%
- Horn was turned off several times due to high temps.
- Two signal-processing papers published in JINST.

MINERvA (June 28-July 6):

- Uptimes: 95.1% (94.4% with MINOS ND).
- Drip pan above downstream part of detector was overflowing.

NOvA:

- Uptimes: ND/FD = 99.1%/99.3%
- In FY18 recorded 5.56E20 POT – annual record.
- Severe weather at Ash River caused power bump that took down several DAQ nodes. Luckily detector downtime was when beam was off.

Muon g-2:

- Cryo recovery completed with ramp up on Thursday.
- Completed all the systematic studies needing beam before beam off.
- Total run statistics this year = 2 x BNL ($1.8 \times 10^{10} e^+$)
- Magnet will be on/off throughout the summer for various testing and measurements.

CMS:

- LHC performing complex program before returning to high luminosity running.
- CMS: 94% data-taking efficiency 22.43/fb recorded.
- June 30 fake fire alarm brought down CMS detector. Two sectors of HCAL Endcap can no longer be operated. "Technical Incident Panel" is investigating.
- Various Phase 2 upgrade reviews scheduled.
- CMS presenting 25 new results at ICHEP.

AOB:

- AEMS will go into recess during the summer shutdown.