

AEM Meeting Notes
Monday June 4, 2018

<https://indico.fnal.gov/event/17248/>

Accelerator (May 21 - 27 / May 28 - June 4):

- NuMI: 1.81E19 POT / 1.98E19 POT
- BNB: 0.96E19 POT / 1.04E19 POT
- Muon: 1.54E18 POT / 1.71E18 POT
- MTest: 51.8 hours / 30.5 hours
- MCenter: 0 hours
- Booster, MI, RR running well.
- Monitoring NuMI target helium leak.
- Summer shutdown: beam off July 7.
- PIP-II Injector test: shutdown for cryogenic transfer line installation.
- FAST: Cryo plant cooldown begins June 15th.
- LCLSII: Cryoplant restart tomorrow. Cryomodule F1.3-08 arrived Friday.
- Summary of planned summer power outages was shown.
- Schedule: <http://www-ad.fnal.gov/ops/schedule.html>
- BNB canopy & berm tritium reduction debriefing: Canopy expected to intercept at least 70% of water contributing to tritiated water. Berm stabilization/ grading already done. Canopy work will start during summer shutdown. Needs posts to support canopy. Can't run BNB until post work completed (earliest date = week of Sept. 10).

MicroBooNE (May 28 - June 4):

- POT weighted uptime 94.4%
- MicroBooNEs first physics paper submitted to PRD: Charged Particle Multiplicity on Ar: <https://arxiv.org/abs/1805.06887>

MINERvA (May 17-30):

- Uptimes: 97.9% (92.7% with MINOS ND).
- May 27: 37% MINOS live. Loose power connector on the low voltage card. The low voltage card was replaced, and this fixed the problem.

NOvA:

- Uptimes: ND/FD = 99.1%/99.5%
- FD site main breaker tripped Saturday: 2 hour power outage at Ash River resulted in 11.5 hours downtime.

Muon g-2:

- Rough week. Kicker 2 repaired for 3rd time, then ran for 2 days. The Kicker 2 repaired for 4th time. Another 2 days of running. Then Kicker 1 Thyatron power supply failed for 2nd time. Ran another 2 days.
- Kicker strength reduced by 10% for stable running.

- DAQ Uptime: 89%

CMS:

- Over a month into the 2018 proton run! First machine development/technical stop next week
- Goal: 60 fb-1 by end of run.
- "Gruffalo" beam losses not completely fixed. If it gets worse, will try single fill with 900 bunches. CMS is prepared for this with a custom trigger menu.
- 94% recording efficiency. 10 fb-1 for physics so far.
- All detectors have >95% uptime.
- DC/DC convertor tests ongoing.
- Phase 2 upgrade: US/CMS preparing for CD1 June 5-7.

AOB:

- None