



Muons report in 3 minutes

Greg Rakness (FNAL)

Proton PMG / AEM

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<https://indico.fnal.gov/event/66905/>

Preparations ongoing to receive detectors at Mu2e

- Detectors

- External support rails installed, aligned to penultimate position
 - Rails support tracker + calorimeter when extracted from the Detector Solenoid
 - Final position of rails specified when Detector Solenoid is in place
- Working to understand environment for detectors once they are in the building
 - They want stricter humidity control than previously specified
- 21-25 Oct: Global Run #3
 - Successful data readout from one full Tracker station at Lab 3 (total of 18 stations in Tracker)

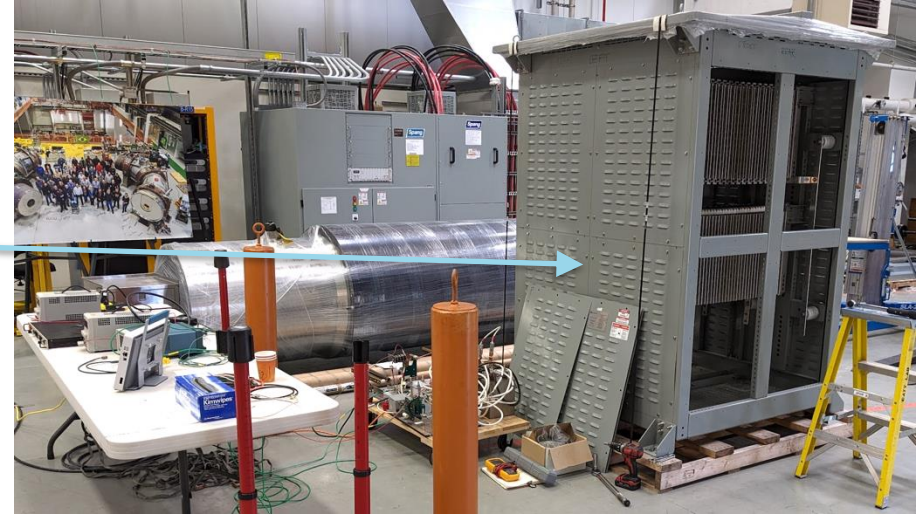


- Facilities

- Equipment Cooling Water system installation continues
- Parts expected in Dec to replace MC-1 Automatic Transfer Switch
- Other power outages are being planned to repair line from Feeder 46A (timing of outages under discussion)

Preparations ongoing to receive solenoids at Mu2e

- Solenoids
 - Electricians ~finished cables from cabinets to power supplies
 - Dump resistor mods + tests ongoing



Cryo

- Full Flow Purifier expected Dec
- Liquid nitrogen tank refurb done
- ODH analyses ongoing for many different configurations
- Note: we expect to need cryo plant mostly functional for commissioning, running, and Long Shutdown
 - Mu2e wants to be at table for any planning of PIP-II work that could affect Mu2e cryo



Other Muon Experiment activities

- Muon g-2 results
 - Analysis of Run 4-6 ongoing... expecting to release results in early 2025
 - Coordinating with theory initiative on release times so that theory can make their best predictions prior to the release of the data
 - Analysis of Muon Electric Dipole Moment and CPT + Lorentz Violation also ongoing
- Working on changes resulting from voluntary separation, e.g.,
 - New Project Manager : Chris Polly
 - New Tenant Liaison : Luis Martinez

Backup