

# Muon $g-2$ AEM Update

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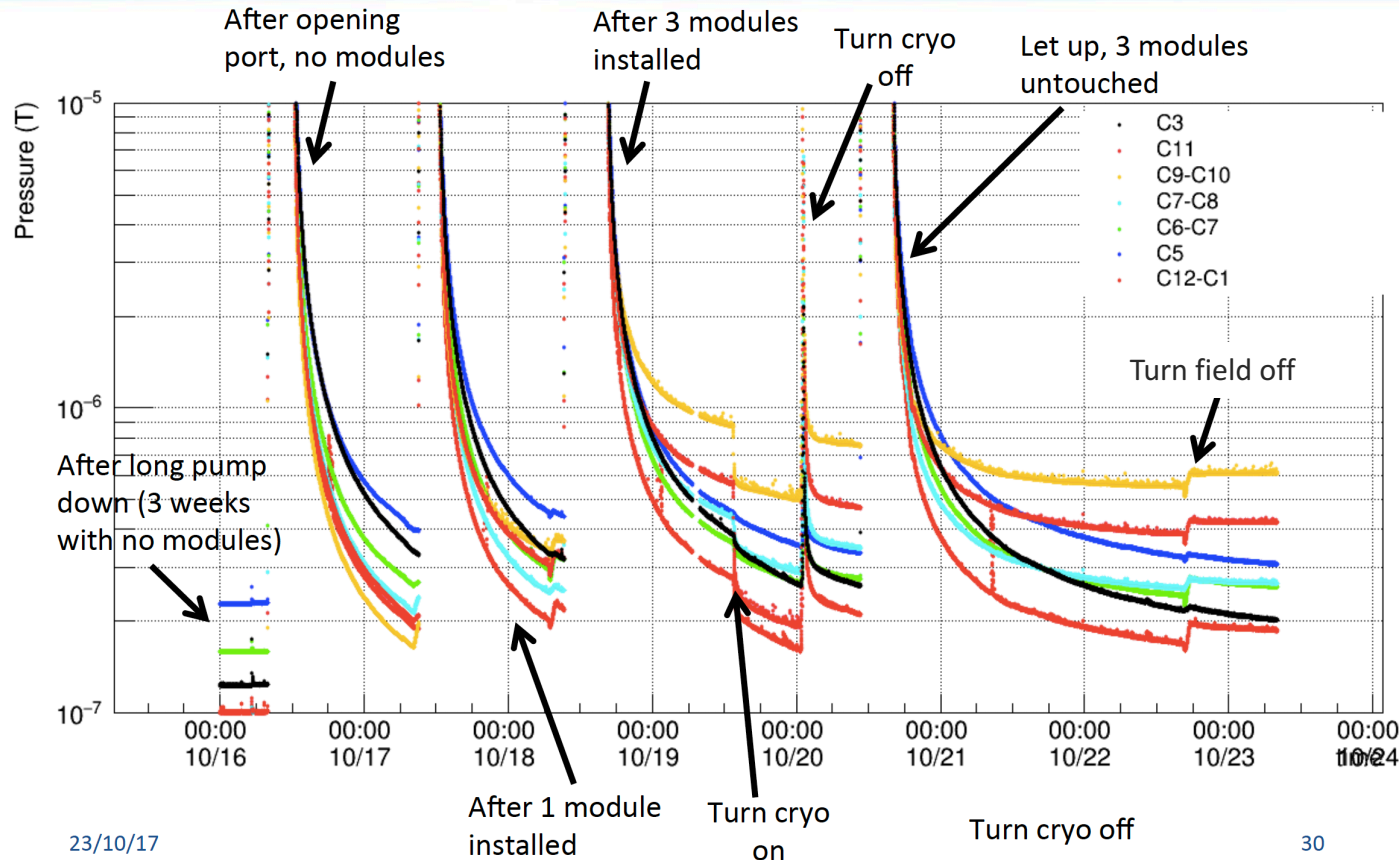
Oct 23, 2017

# Shutdown update week of 10/16 – Shifts Underway

- **Completed Quad/Kicker Integration**
  - SRV @ 1e-6 torr
  - Kicker @ 55 kV x3
  - Quads at High-n setpoint of 24.4 kV
  - combined uptime = 98%
- **24/7 Shifts started 10/16/2017**
- **Magnet down weeks of Oct 16, 23 for cryo fridge refurbishment**
  - We operated the magnet over the weekend for fixed probe re-commissioning
- **Inflector**
  - Progress identifying ground loop issue. Additional test this week.

# Week of Oct 16 – SRV Tests

## Last week summary plot



Characterize vacuum loads

Increase pumping

Next text: adjust conductance

# Important Dates

- Week of Oct 23 Focus:
  - Cryo Engine Work (Mon + Thurs) [Magnet off all week]
  - ODH Fan outage (Wed am) → **No Hall access ~2-3 hours**
  - SRV Tests (Tracker + Magnetometer + Fiber Harps)
  - Cryopump Ventline Infrastructure
  - Shielding Blocks In
  - Calo AC supply upgrade (Under false floor)
- Week of Oct 30 Focus:
  - Additional in-vacuum systems
- Week of Nov 6
  - AD anticipates earliest time beam could get to MC-1