

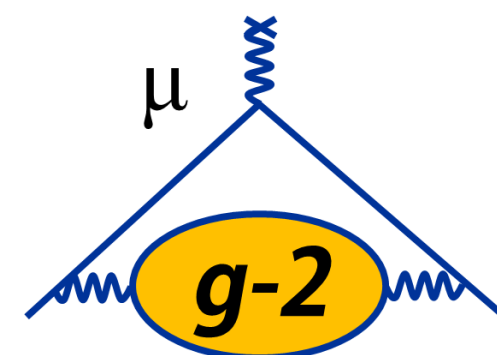


Muon g-2 Update

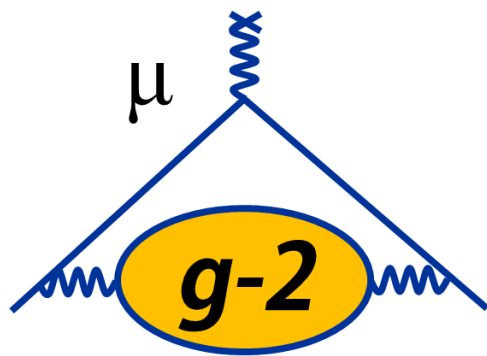
David Flay, Operations Manager

Proton PMG Meeting

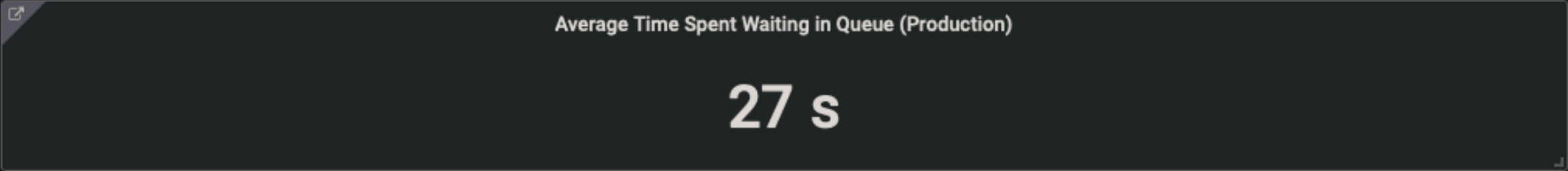
2 April 2020



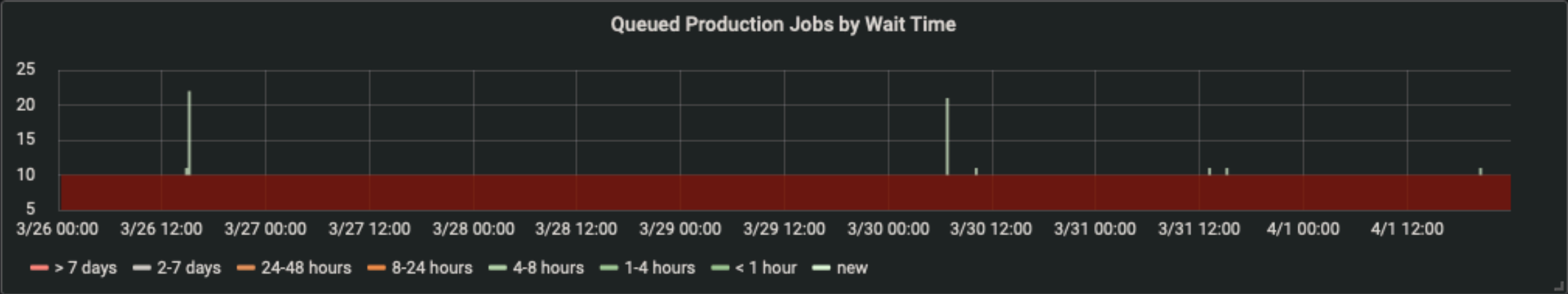
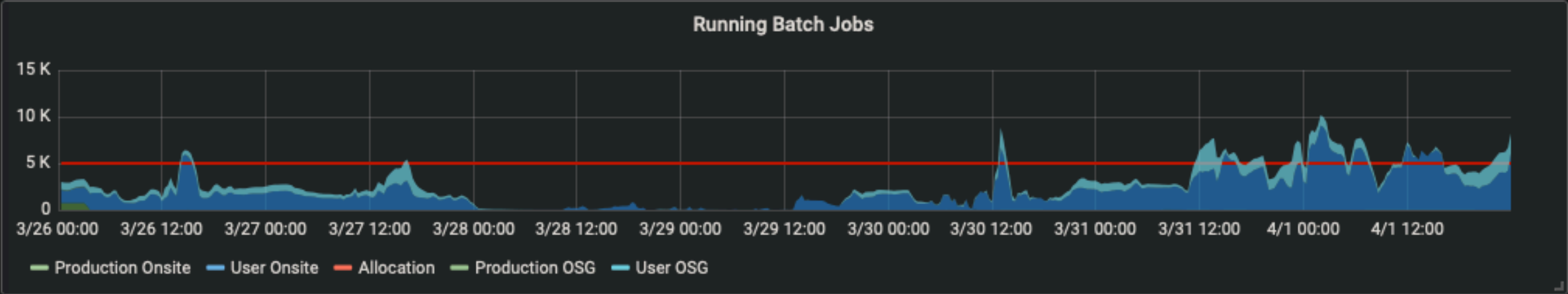
Computing Status



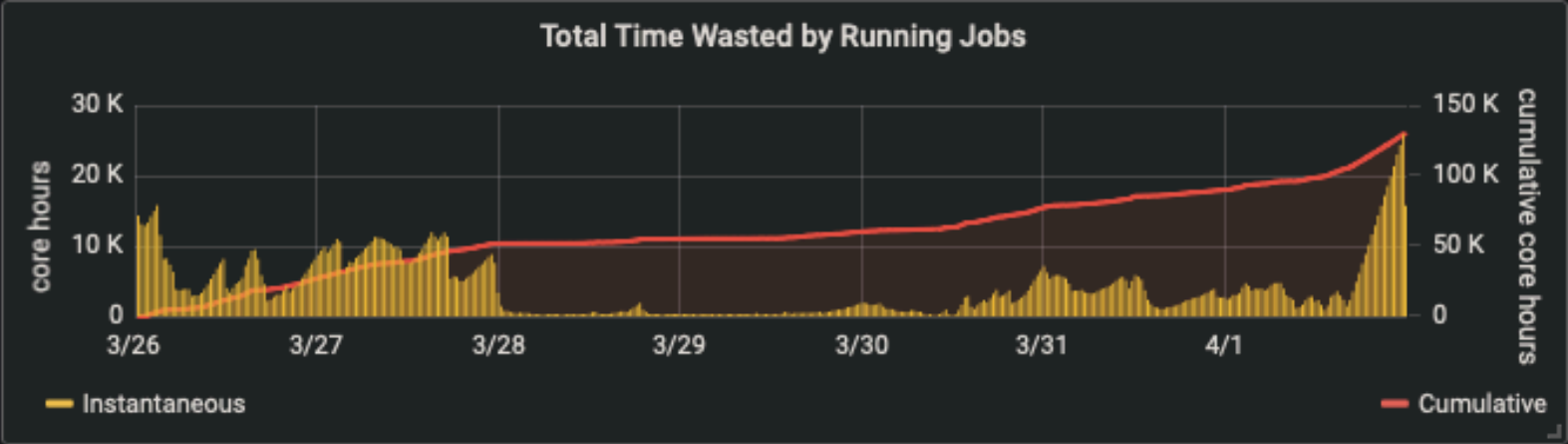
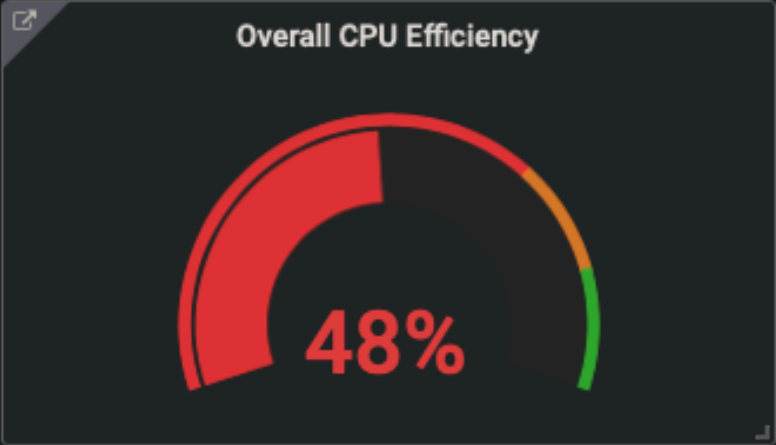
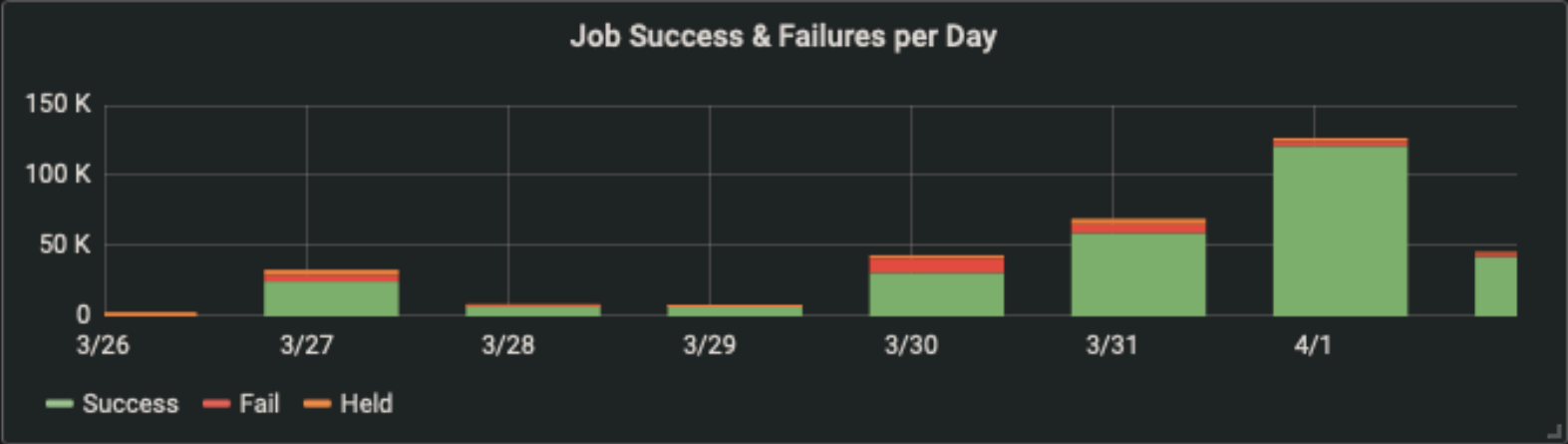
▼ Average Job Counts



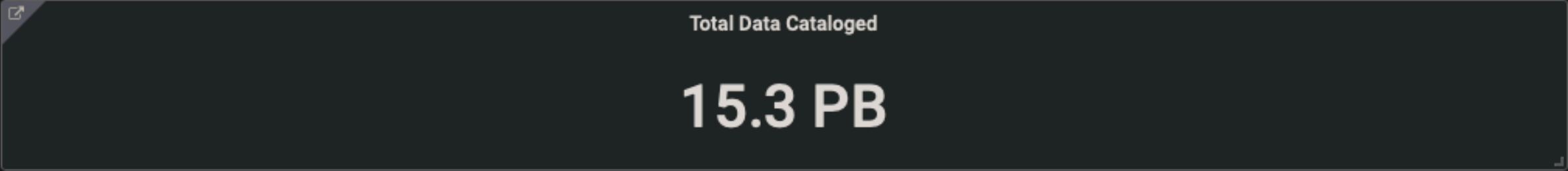
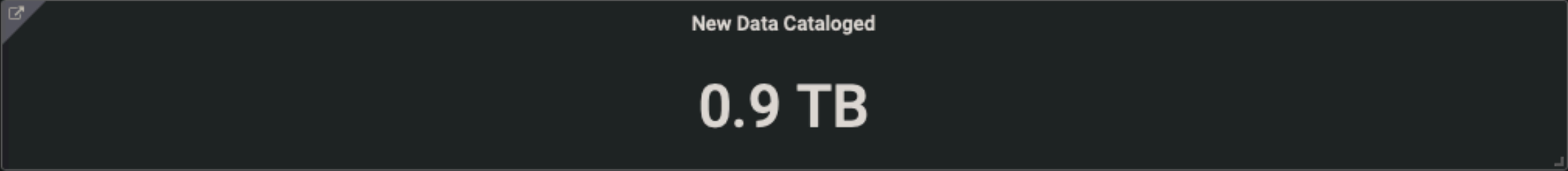
▼ Running Jobs



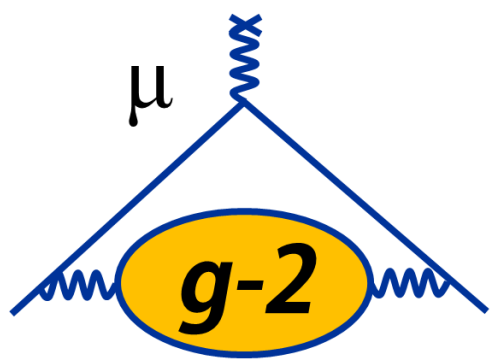
▼ Completiong and Efficiency Stats



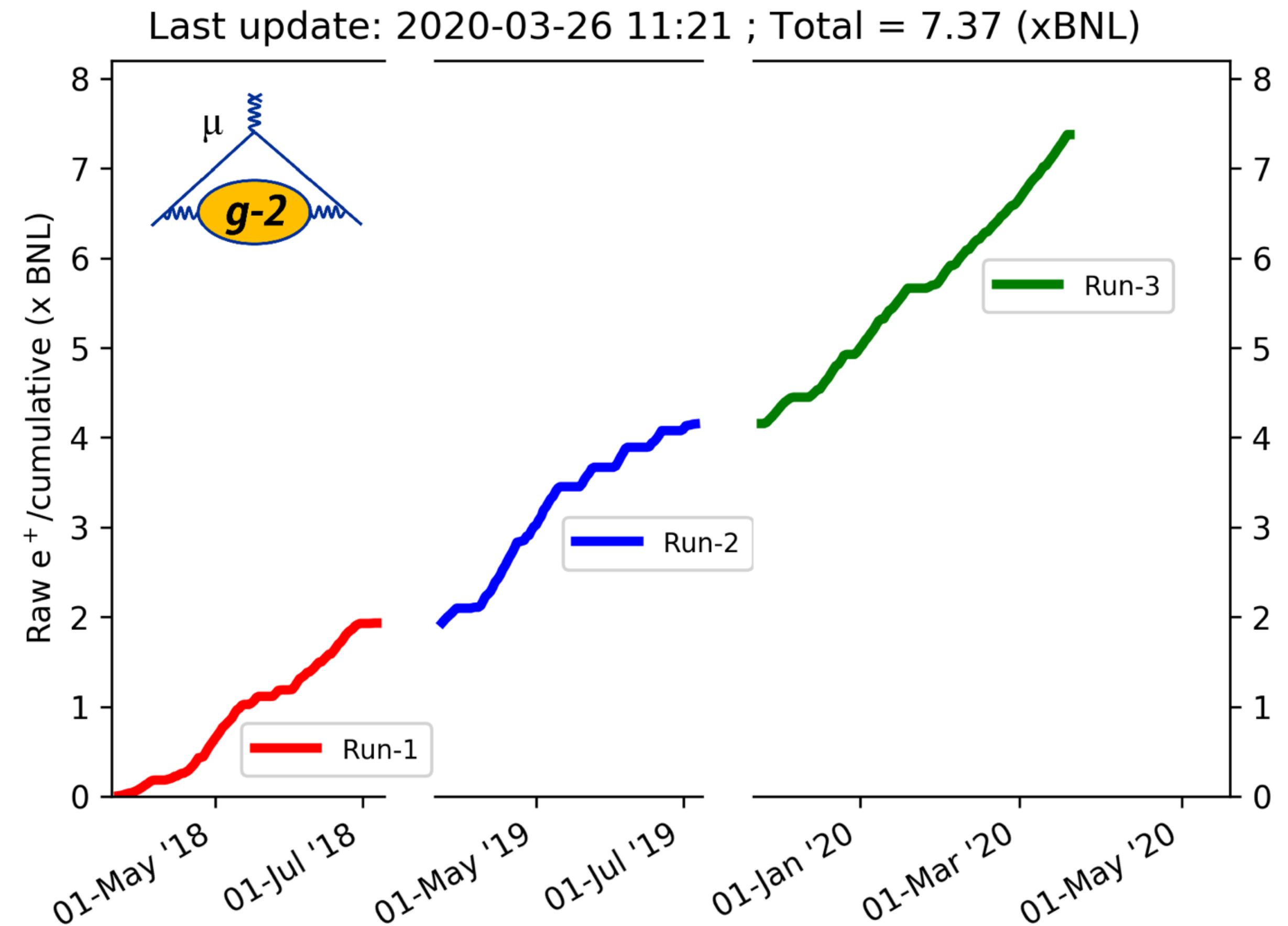
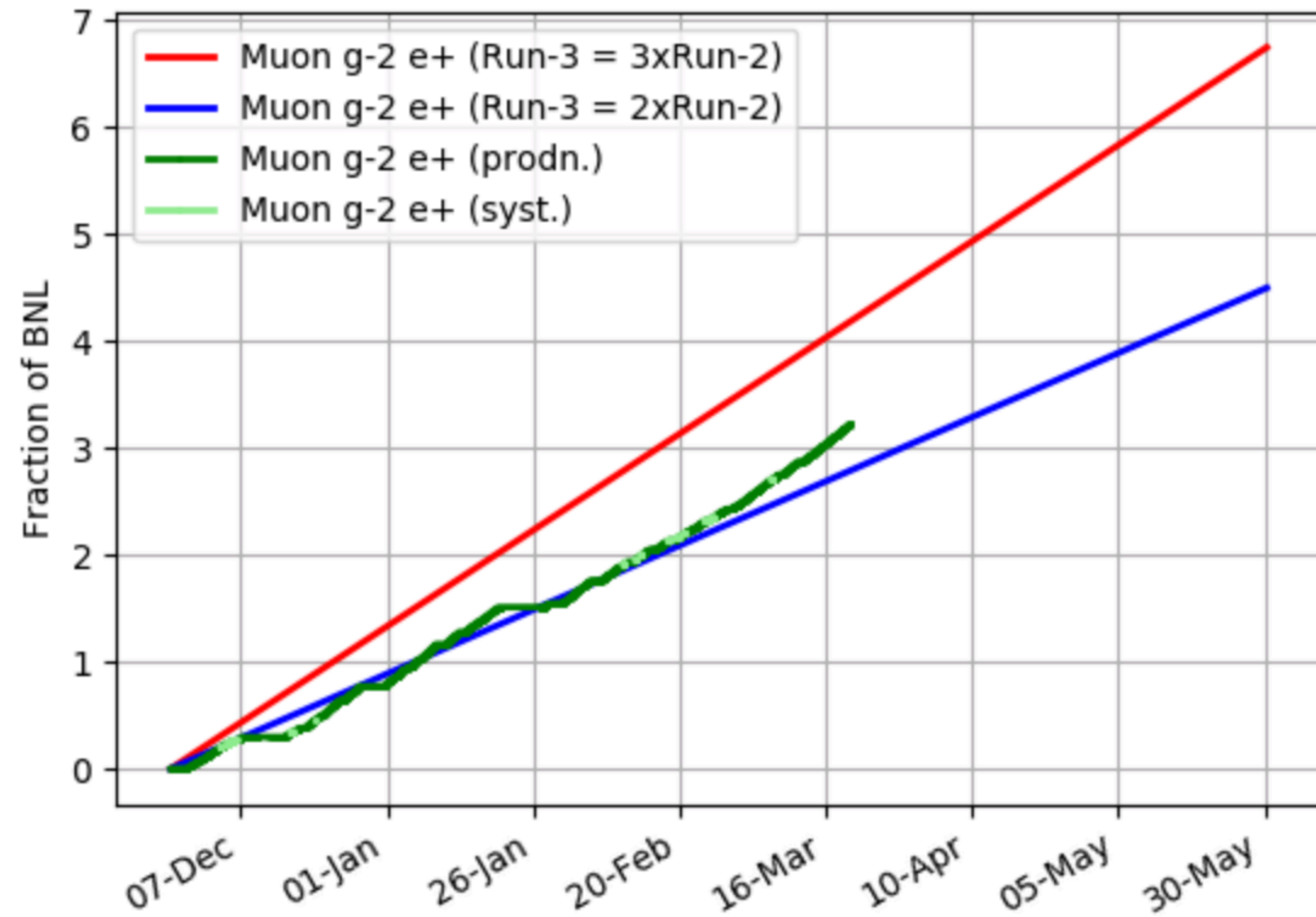
▼ New row



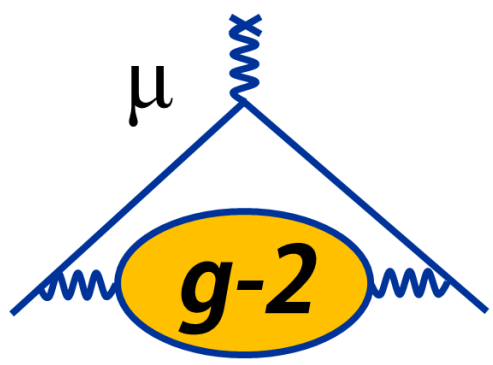
Statistics to Date



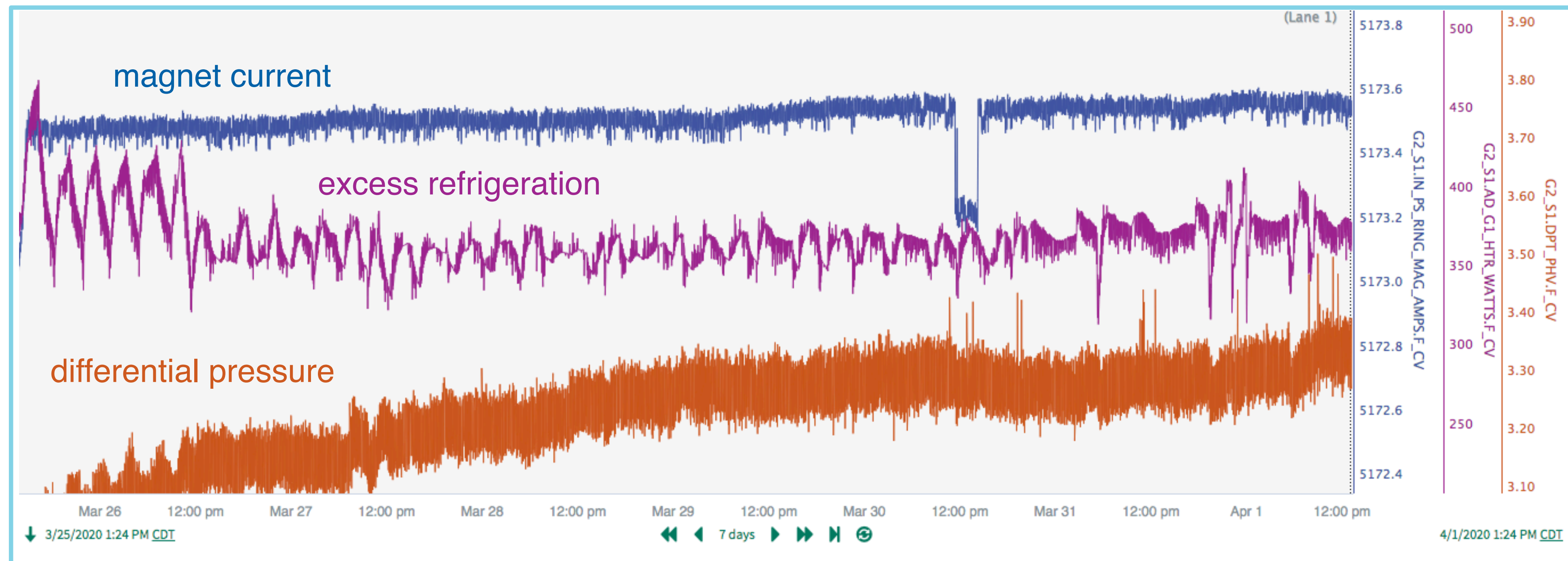
- March 20: Crossed 3x BNL in Run 3 before beam turn off



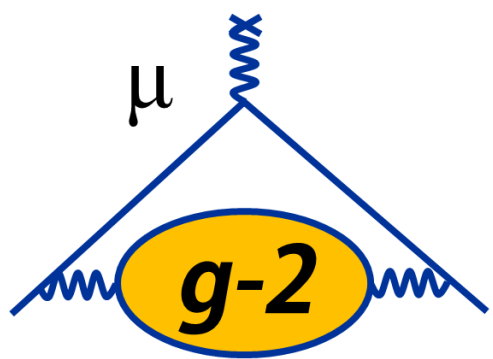
Recent Activities: Cryogenic Maintenance



- **3/20—3/24**: Took advantage of the power outage to warm our magnet cryogenic systems up to 60K — melt frozen nitrogen in vacuum systems
- **Tue 3/24**: System was back to nominal set point of 5K
- **Wed 3/25**: Magnet back on, taking systematic data with NMR systems



Recent Activities: Prep for COVID-19, B Field Studies



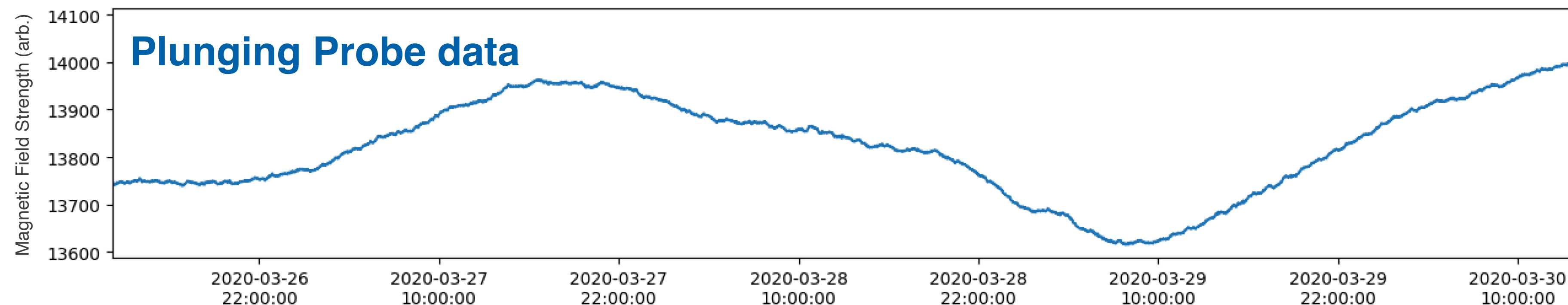
- Since 3/16: COVID-19 JHA enforced at MC-1
- Fri 3/20: Detectors (calos, tracker), pulsed systems (kickers, quads), laser systems are **off**
- Tue 3/24: Installed Plunging Probe (calibrates the magnetic field). Important for systematic studies
- Since 3/25: **Magnet is on**; remote magnetic field studies in progress

COVID-19 Safety Protocols

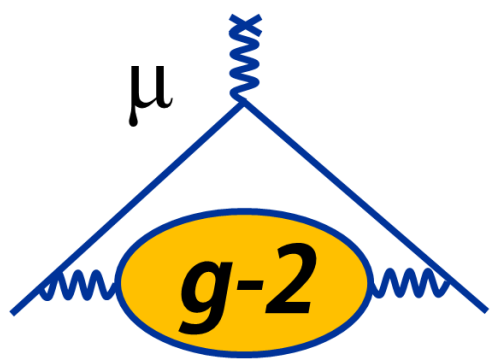
- **6-ft Rule:** Workers must maintain 6 ft distance from one another
- If work must be performed in close quarters (person to person distance < 6 ft):
 - **Face shields and Nitrile gloves** must be worn
 - A Job Hazard Analysis (JHA) must be developed for the work, detailing the required personal protective equipment (PPE)
- The 6-ft rule also applies to vehicles — smaller cars can only carry the driver
- Face shields must be cleaned prior to use by another worker
- **Personal computer work:** Do not need gloves

Signage in MC-1

The Muon g-2 Experiment



Outlook



- Remain in remote-working mode until deemed safe to resume in-person ops
 - Magnet is on: Enables magnetic field studies. *Cryo operators taking shifts to maintain magnet*

