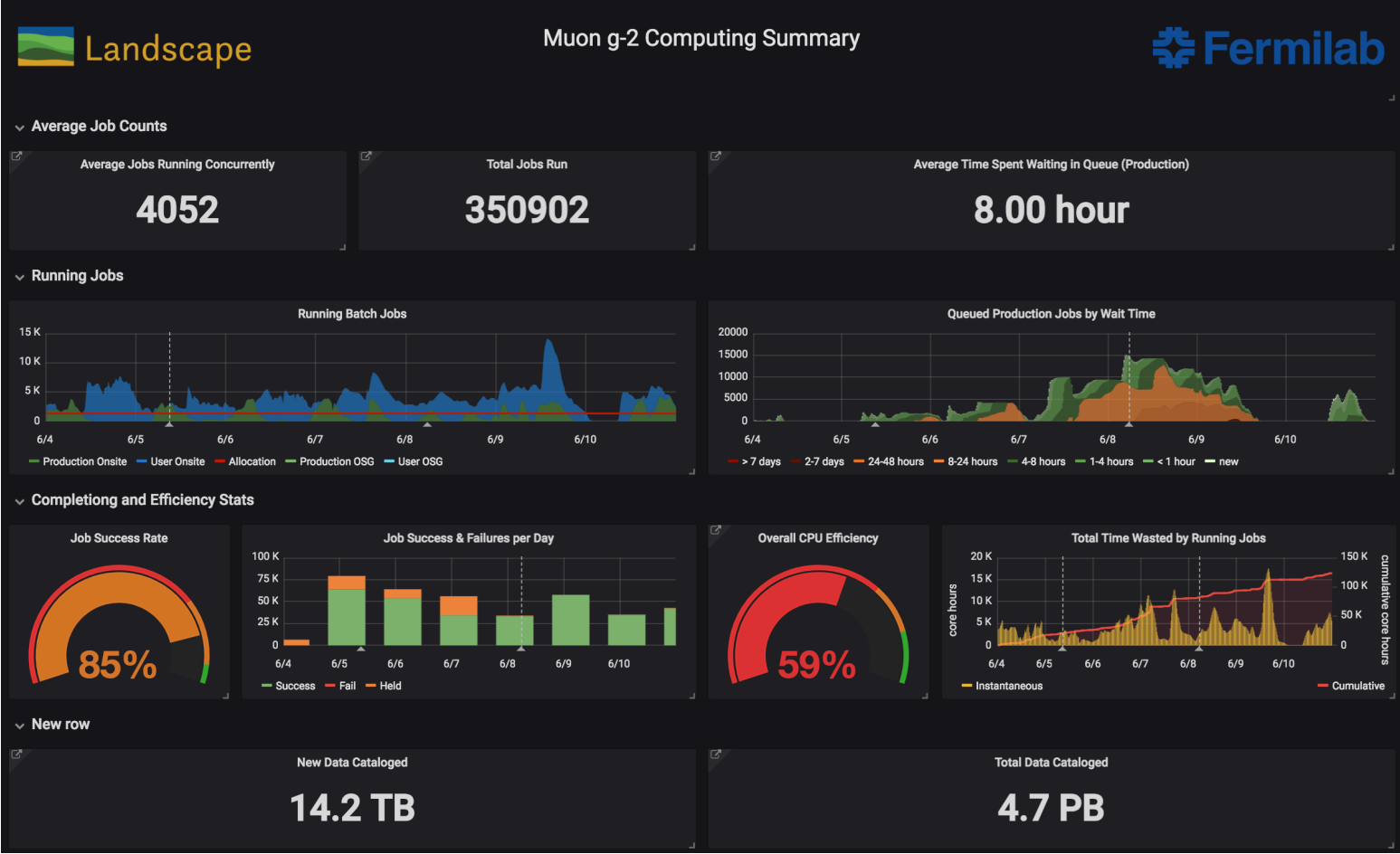


Muon $g-2$ AEM Update

Brendan Kiburg, Jarek Kaspar

June 11, 2018

Computing

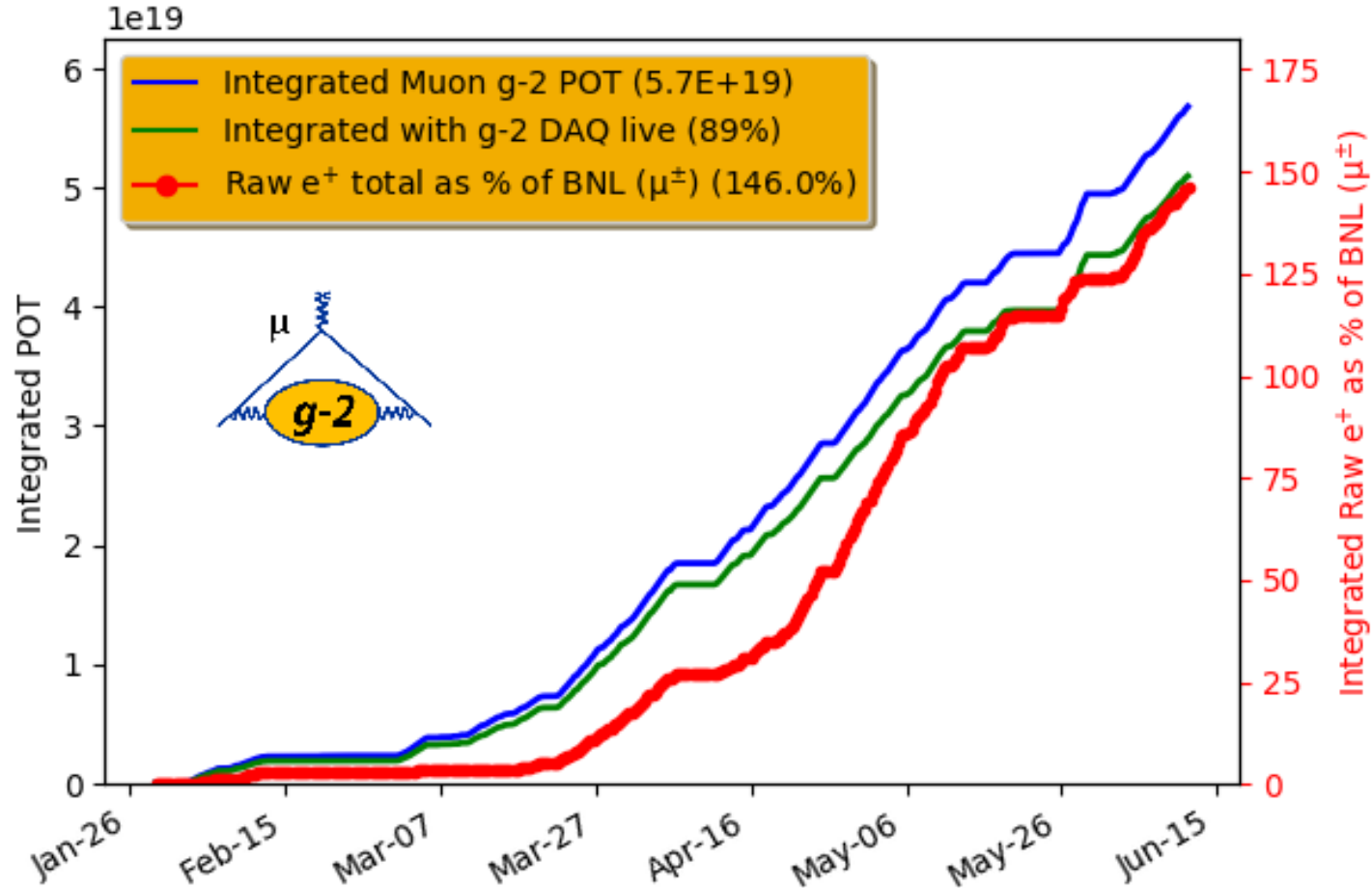


- Some misconfigured jobs with some geometry updates mid-week last week
- Efficiency improved with a new software release
- Reconstruction catching up with raw data

This week: Much more stable than the previous weeks

- Mostly Stable
- Smorgasbord of Pains
 - Increased DAQ inefficiencies ; uncertain if it is a software/hardware problem
 - Beam instabilities
 - Quad instabilities
 - Kicker 3 charging supply fuse failed
 - Timing issues with the digitized traces in kicker crate
 - Kicker castor oil sensor problems
 - Some tracker gas flow issues
 - Failed power supply for surface coil crate
 - Lost another turbo pump controller

Despite struggles, 0.18xBNL added since last AEM



- Have been running mostly continuously for last 10 days

Summary

- Working on sustainable running
- Preparing for suite of systematics needed by end of run
- Need to complete absolute calibration
 - Need to insulate part of magnet in order to finish that

