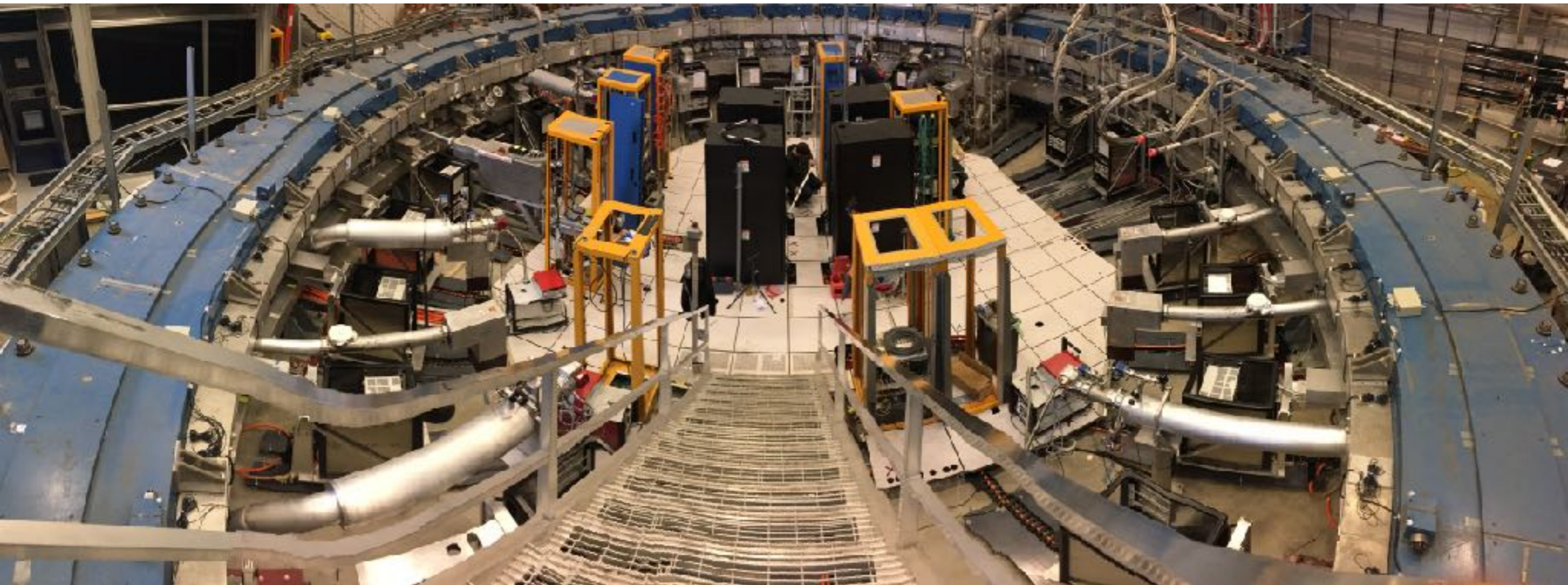


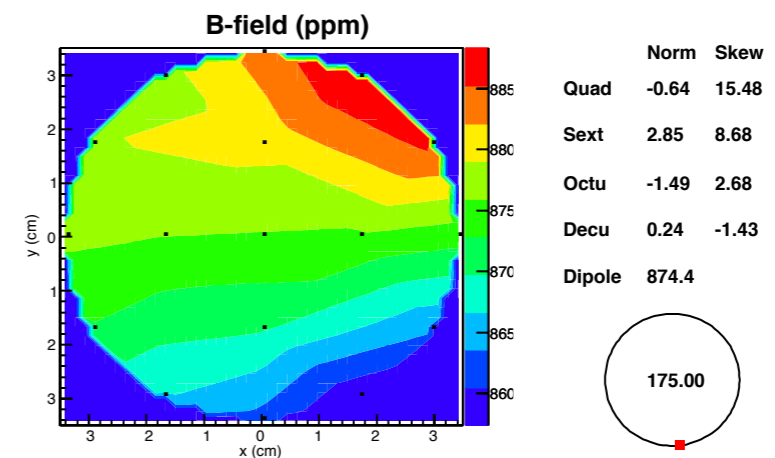
g-2 status



Joe Grange
Deputy run coordinator

Major recent milestones

- ▶ Muon campus approved to run beam!
- ▶ All six vacuum pumps and manifold stands installed and running
- ▶ NMR trolley installed and all hardware, DAQ systems performing well
- ▶ All 8 electrostatic quadrupole (beam focusing) feedthrough systems installed and cabled
- ▶ First surface correction coil (fine field shimming) crate installed and low-level verification passed with NMR trolley
- ▶ All kickers installed, ready for in-vacuum integration tests



Near future

- ▶ Hard dump 3/29 due to cryo engine failure. Implementing high-redundancy solution to deliver field again asap.
- ▶ This week
 - walkthroughs on all subsystems to prepare for May (mock) and June (real) runs.
 - currently under vacuum, learn critical spark rate of all 8 independent quadrupole systems.
- ▶ Detector installation:
 - all 24 calorimeters, 7 tracking modules expected finished by 4/24
 - all 4 fiber beam harps installed, final cabling, integration in coming weeks
 - laser calibration system fully ready for commissioning

