

2024 4 15



RHIC Status

Kiel Hock

Time Meeting
April 23, 2024



RHIC Status

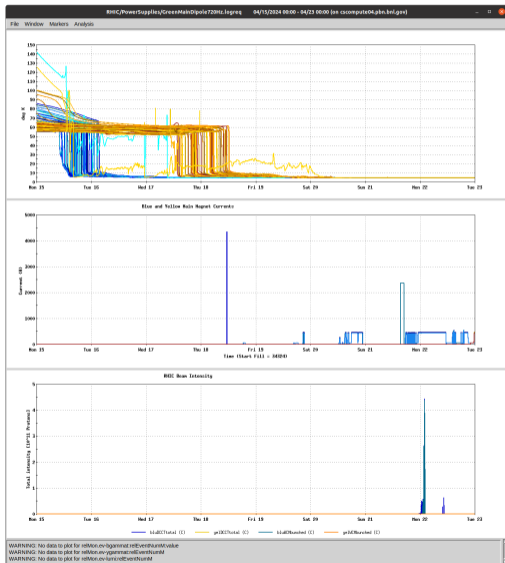
RHIC cooldown began on Monday 4/15

Power dip on 4/16 @2300, caused OPPIS to be down for approximately 6 days

Blue main quad PS current jump at shutoff, causing prolonged investigations.

Ongoing issue with blue injection kicker, investigations continue

Blue injection setup (off-hysteresis) complete
56 MHz conditioned up to 1.1 MV (now need ~16 hours of time before testing with Au)



Path to Physics

- Blue 4k wave started
- Blue PS testing started
- Blue helium lead flow tests started
- Blue 4k wave completed
- Blue helium lead flow tests completed (Okay to ramp blue)
- Blue PS testing completed (Hysteresis complete)
- Injection checks
- Injection into Blue
 - Capture
 - Instrumentation setup
 - Feedback setup
 - Polarimeter targets conditioned
- Blue setup complete
- Yellow 4k wave started
- Yellow PS testing started
- Yellow helium lead flow tests started
- Yellow 4k wave completed
- Yellow helium lead flow tests complete (Okay to ramp Yellow)
- Yellow PS testing complete (Full hysteresis complete)
- Injection into Yellow
 - Capture
 - Instrumentation setup
 - Feedback setup
 - Polarimeter targets conditioned
- Yellow setup
- Ramp setup complete
- Rebucketing setup complete
- Rotator ramps & store setup
 - instrumentation setup
 - collisions setup
 - collimation setup
 - polarimetry setup
 - abort kicker optimized
- Experimenter Setup & ramp up
- Physics, setup complete