



RHIC Run24 Preparations

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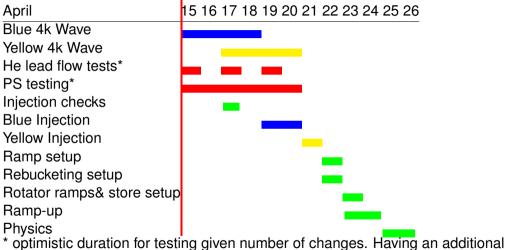








RHIC Startup Schedule



meeting this Friday to try and optimize the schedule.



RHIC Startup Status

 Yellow helium lead flow tests complete (okay to ramp B&Y) Yellow PS testing complete (Full hysteresis complete) Injection into Yellow
□ Capture
Instrumentation setupFeedback setup
 Polarimeter targets conditioned
☐ Yellow setup
Ramp setup completeRebucketing setup completeRotator ramps& store setup
instrumentation setup
collisions setup
collimation setup
polarimetry setup
 abort kicker optimized
☐ Experimenter Setup& ramp up

Physics Milestones

 β squeeze at IP8 1.0e11 protons per bunch @physics complete low-luminosity run for STAR □ sPHENIX running with nominal store conditions 1.7e11 protons per bunch @physics (Run12 maximum) □ 2.0e11 protons per bunch @physics ☐ 2.4e11 protons per bunch @physics (Run15 maximum) switch to alternate AGS setup ☐ 2.5e11 protons per bunch @physics ☐ 3.0e11 protons per bunch @physics



Injector Tracker

Injector Performance

OPPIS polarization is currently 10% below nominal

AGS Polarization is at 60% with 2e11 protons as a result, a reduction in polarization to reduction at OPPIS.

OPPIS personnel suspect a magnetic field issue with the SC solenoid, trim magnet PS expected this week.

Skew quad commissioning status

All magnets have been installed and verified.

Commissioning ongoing outside of optimizing normal setup.

