

Run 10 Planning Status

Run Coordination/RHIC Setup

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<http://www.cadops.bnl.gov/AP/RHIC2010/>

Schedule

- ~~Oct. 1~~ ~~begin FEC/Controls Turn-on~~
systems are being tested
- ~~Oct. 6~~ ~~Begin Cryo Scrubbing~~
- ~~Nov. 2~~ ~~Begin 45 K waves~~
- **Nov. 16** **Booster/AGS Setup**
- **Nov. 16 – 20 RHIC Dry Run**
- Dec. 1 4.5 K waves
- Dec. 4 Beam in RHIC (blue)
- Dec. 14 Store devel., physics setup

(conditions: $\beta^*=60$ cm , intensity = $1e9$, # of bunches > 50)

- Dec. 22 Projected Physics Start

This Week (11/16-11/20)

- Dry Run Schedule (next slide)
- Finished AGS L12 magnet repair.
- Setup Booster with Au
- Tuesday Eve. Begin AGS Setup with Au
- Note: beam work outside of NSRL running
- Plan is aggressive = get beam ready to extract to AtR by Monday.
- Next week – work in Booster for EBIS & continue AGS setup.

Dry Run

- Progressing on schedule
- Completed checking out basic infrastructure systems
 - Alarms, logging, configurations, injection kickers
- Today, checking out ramping systems
 - Ramp and ramp editor, permit link, post mortem
 - BBQ and tune feedback
- Complete list on www.cadops.bnl.gov/AP/RHIC2010/RHICDryRun.html

End

RHIC Startup Schedule

- Assume blue is ready by Dec. 4 (Friday)
 - AtR setup complete by Dec. 4
 - Begin blue injection setup, LLRF first commissioning over the weekend of Dec. 5,6
 - Blue Instrumentation checkout with beam
- For ~10 days, starting Dec. 1, P.S. testing and checkout during days.
- DX training minimized by running 2 mrad crossing angle at IP10, 12, 2, & 4

Stochastic Cooling Commissioning

- Two stages
 - First, with beam at injection, checkout signals and do first pass look at processing data
 - Second, when there are steady stores, begin real commissioning
- Will need gap cleaning working for the first part of the run (until SC is working)
- Need to keep steady stores during day time periods for commissioning.
- With vacuum backout schedule, good use of time is to give (blue) beam at injection to SC group.