

RHIC Run24 Preparations

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March 19, 2024

RHIC schedule

Key dates	Event
January 8, 2024	Booster on for NSRL
Week of February 20, 2024	Complete AGS Checkout
February 29, 2024	AGS setup Began
March 21, 2024	approximate cold snake ready
April 1, through April 5, 2024	RHIC dry run
April 15, 2024 through October 7, 2024	RHIC run (25 weeks)

RHIC startup schedule is [here](#), by T. Shrey.

RHIC run schedule is [here](#), by C. Giorgio.

RHIC run webpage is [here](#), by K. Hock.

AGS status

AGS setup status:

- Cold snake expected on March 21st.
- Standard setup with unpolarized beams completed, 1.8×10^{11} at AGS extraction,
- Setup of split+merge has been established,
- Setup of 2 LINAC pulses+merge has been established,
- Skew quad setup occurs concurrently.

Skew quad commissioning status:

- All magnets installed,
- 9 PS installed and 4 more on site with remaining 2 expected tomorrow (13/15 of 15),
- Verification of skew quad installation being performed with beam,
- Commissioning with polarized beam expected to begin next week following nominal setup.

Vernier Scans with Crossing angle

An issue was identified with Vernier scans and crossing angles. Meeting last week to discuss.

Agreed upon schedule:

1. Begin run with D0 polarity swapped to support -2 mrad crossing angle.
2. When ready for a vernier scan, swap polarity on a maintenance day, take Vernier scan during a subsequent store and then swap polarity back (~2 hours).
 - ▶ unable to squeeze in this configuration.
3. Repeat 2 as necessary.