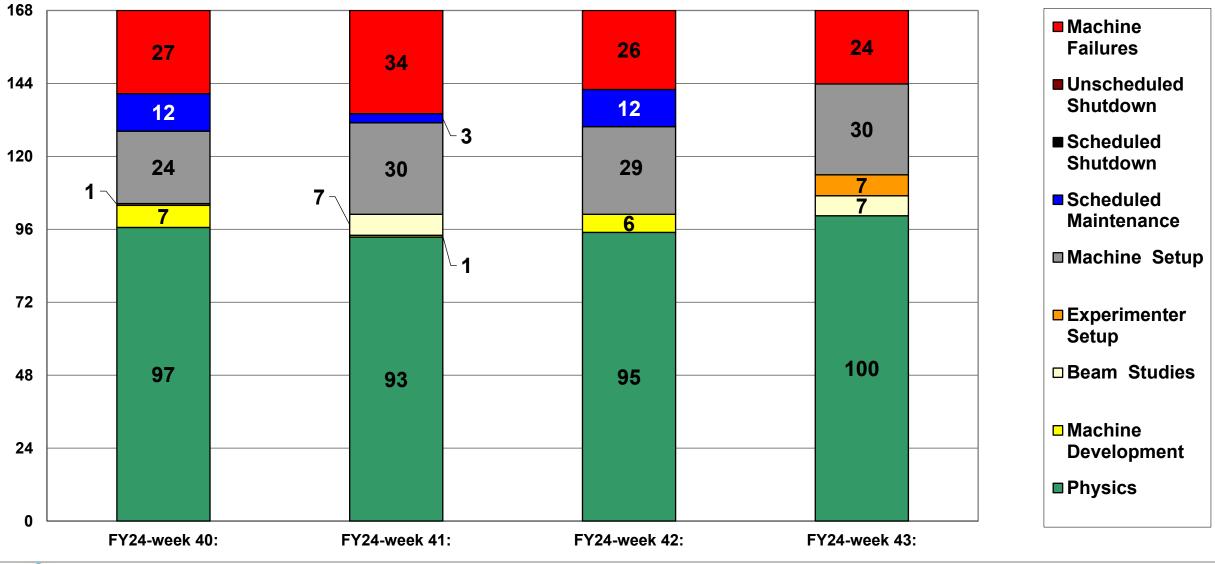
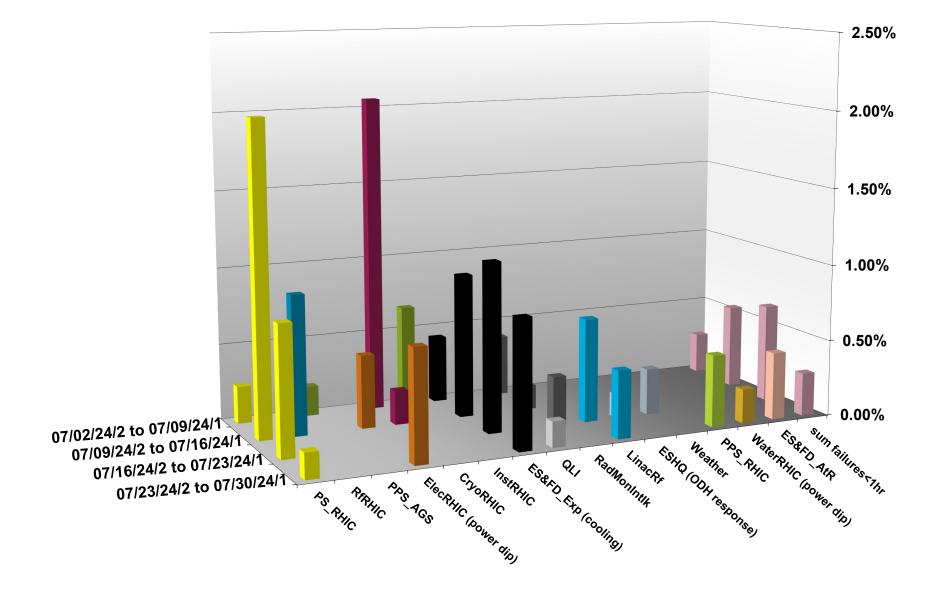
C-AD ACTIVITY July 2024





Data courtesy C. Naylor

INTEGRATED FAILURES (GREATER THAN ONE HOUR) BY SYSTEM -- July 2024



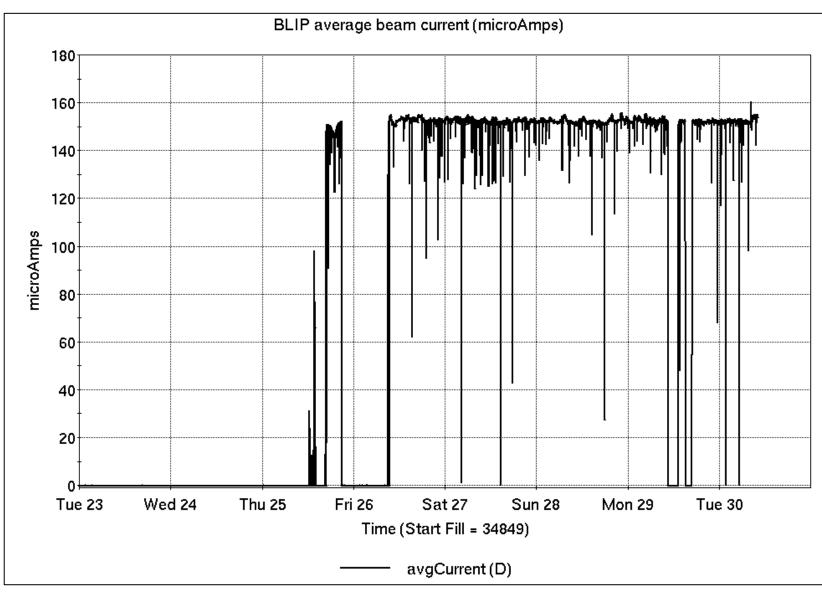


Operations for BLIP 7/23-30/2024:

200 MeV Th target production began Friday and continues through the week.

- 90.0 hr Production
- 4.33 hr Setup
- 4.6 hr Failure

Availability: 95.4%





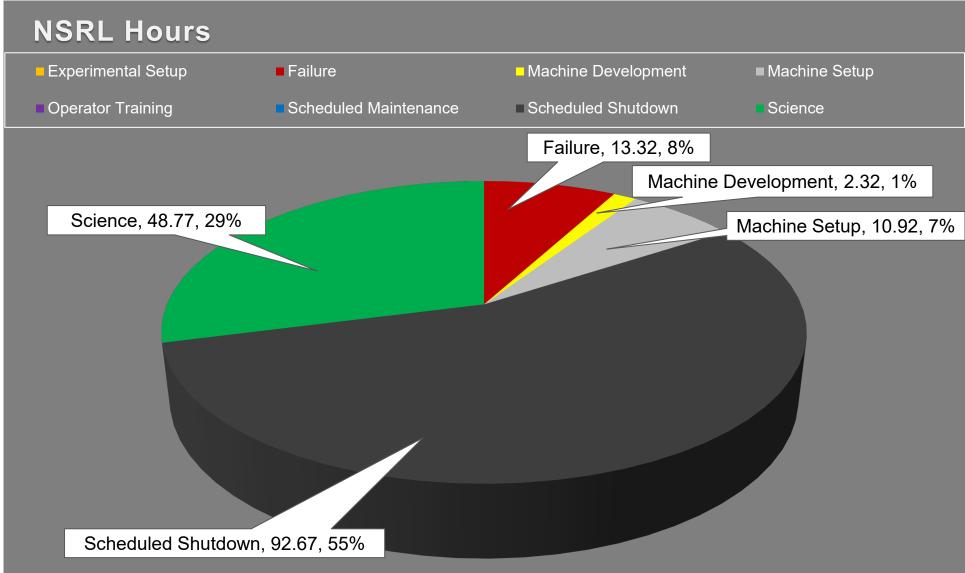
NSRL activity past week: 7/23-30/2024 (as of 0800)

Availability: 82.3%

NSRL continues running for multiple users.

Protons, 8 EBIS ions in use. (Si, Ti, Fe, Nb, Ag, Ta, Bi, Au)

Running 24-C schedule since 22 May. Schedule posted, updates into September for beams & users up to November.





Notes from Operations

Notable failures (>1 hr)

- Linac Mod 5 failure (10x), repairs to many components
- Multiple storm-related power dips, affecting all programs and many systems
 - STAR cooling and chilled water extended failure time, in part

Marr Gregor

PMSer

8 CF:cfe-930ebis-time2

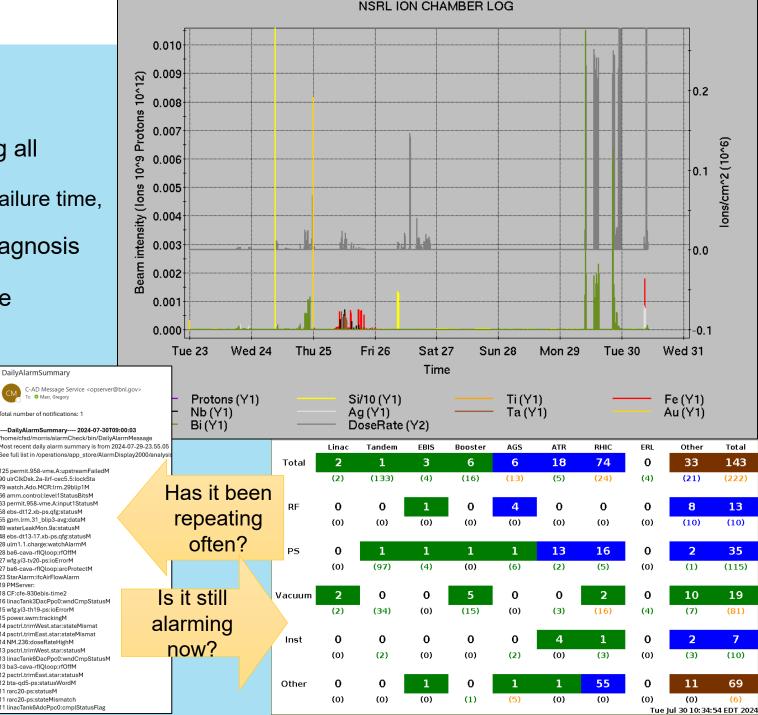
5 power.swm:trackingN

1 rarc20-ps:statusM

- Yellow abort and injection kicker issues, diagnosis ongoing for intermittent failure
- Booster D6 septum failure required multiple • interventions
- QLI, ramping down helion test ramps
- Cooling system PLC failure trips RHIC RF DailyAlarmSummary
- Experiment accesses for failures Other notes
- Booster circulating beam current transformer continues to exhibit intermittent noise issues
- Loss monitor interlocks, RHIC beam aborts (5x); other beam orbit issues
- Other misc EBIS, injector, RF trips, injector access

Some long repairs occur behind RHIC stores.

Brookhaven

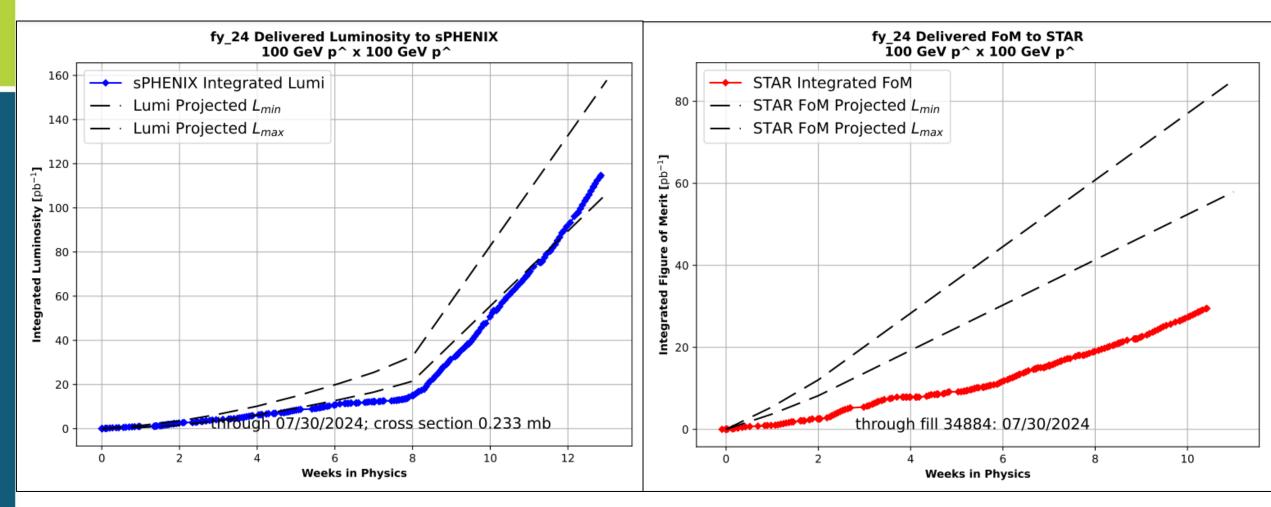


Reminder from Operations

- MCR continues Operations for:
 - BLIP continues until 1 August; no further irradiations scheduled.
 - NSRL users scheduled to run Mon-Fri this week and next.
 - AGS/Booster setups continue, additional to RHIC physics.
 - Injector Au setup as yet untested. Tandem Au setup pending.
 - Injector h setup, mode switching.
 - Skew quad testing, other polarized beam setups continue as beam time allows.
 - RHIC beam for Physics stores.
 - Other MD, Maintenance, APEX as noted in schedule
- CHECK YOUR CALLIN LIST: WCC and ECP updates needed
 - Initial failure response often involves ECP consult. Ensure your Group callin list contains this information.
 - Callin lists should be accurate in terms of personnel and time off.
 - <u>https://www.cadops.bnl.gov/Operations/personnel/call_in_lists/</u>
 - Note: Core Electrical contacts listed/managed on ESSHQ callin list
 https://www.cadops.bnl.gov/Operations/personnel/call in lists/call in list.php?group=esshq
- CHECK AND EDIT YOUR OWN CONTACT INFO
 - <u>http://directory.pbn.bnl.gov/</u>



Preliminary delivered Luminosity, Figure of Merit (LP²) data for RHIC



Courtesy R. Terheide



Availability: RHIC Run-24



