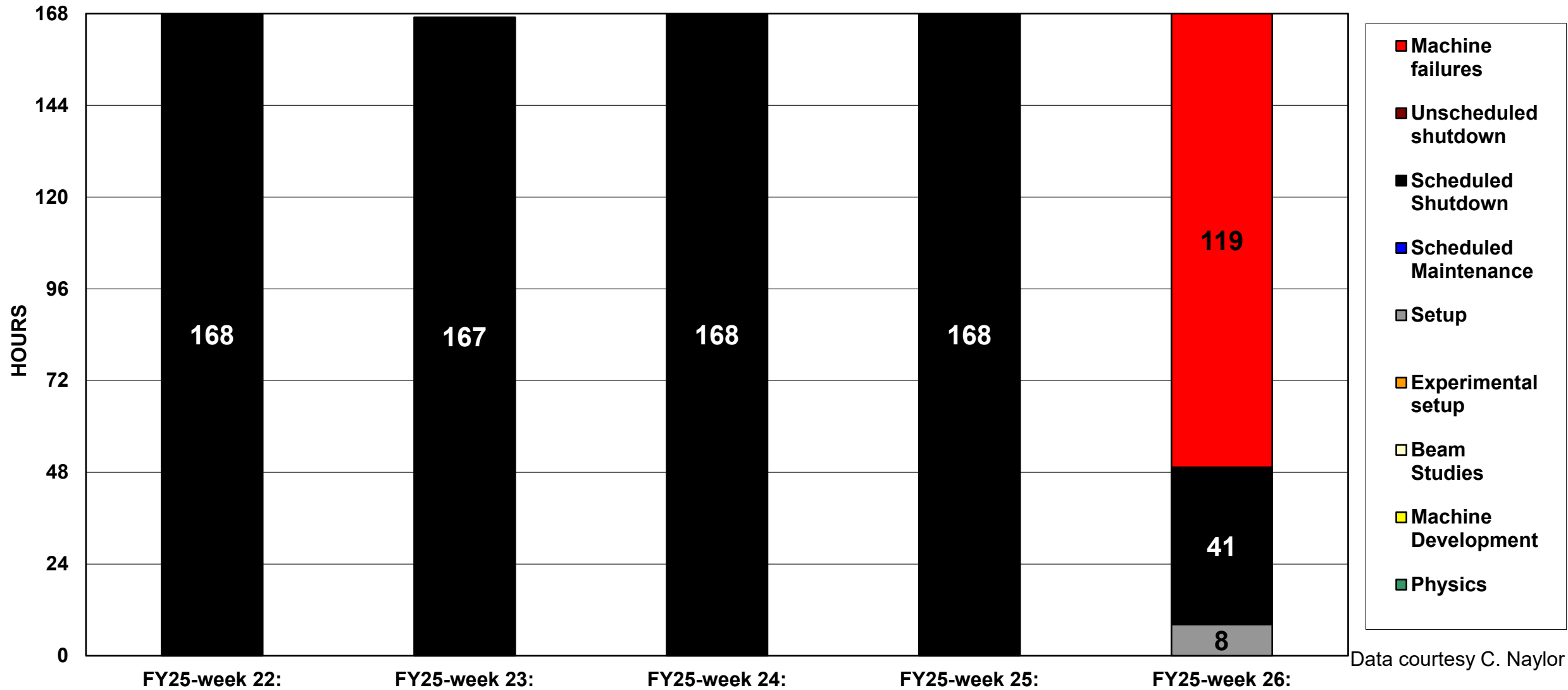


## C-AD ACTIVITY MARCH 2025



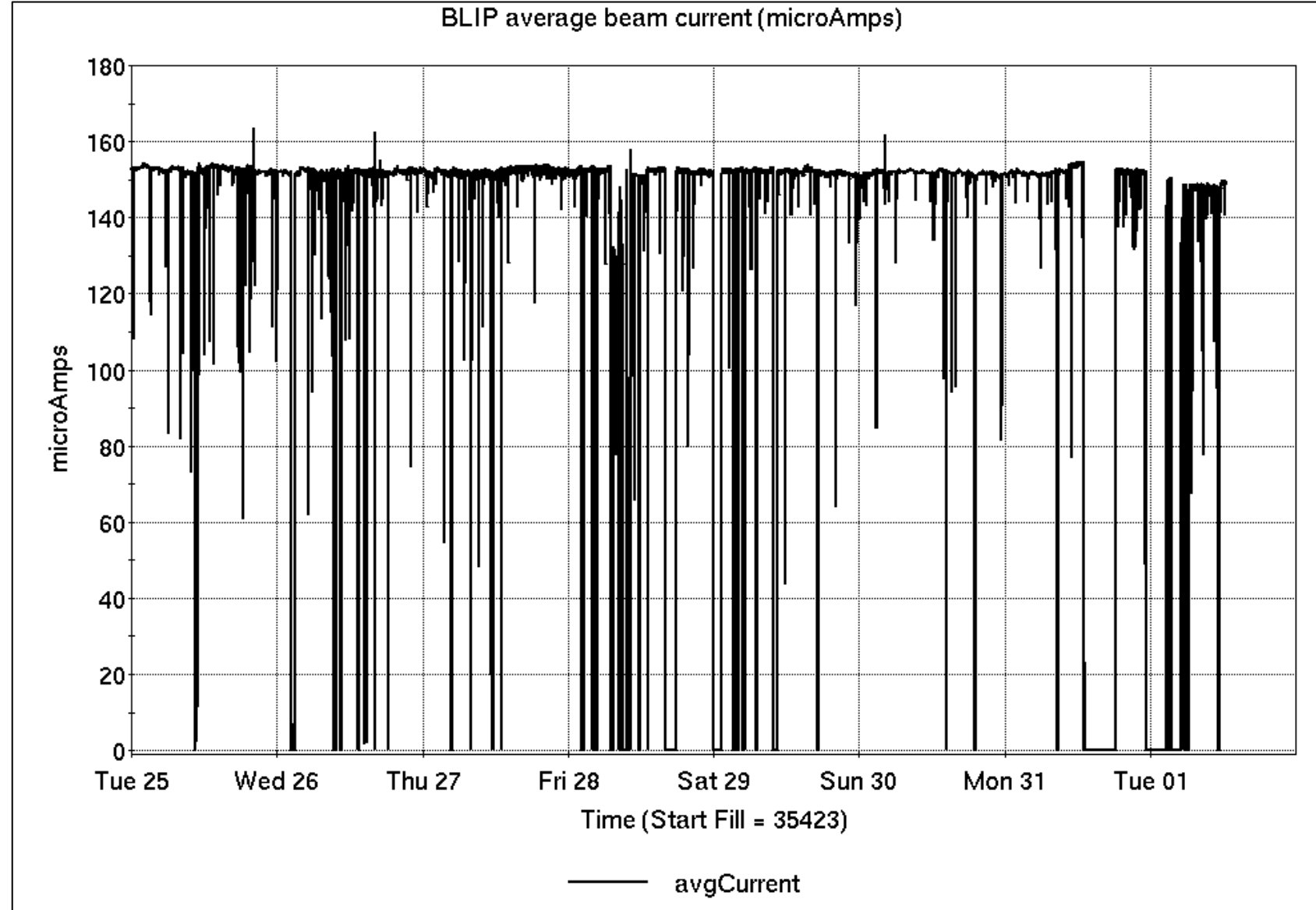
# Operations for BLIP

3/25-4/1/2025:

200 MeV production continued all week and is ongoing.

- 147 hr production
- 21 hr failures

Availability: 87.5%



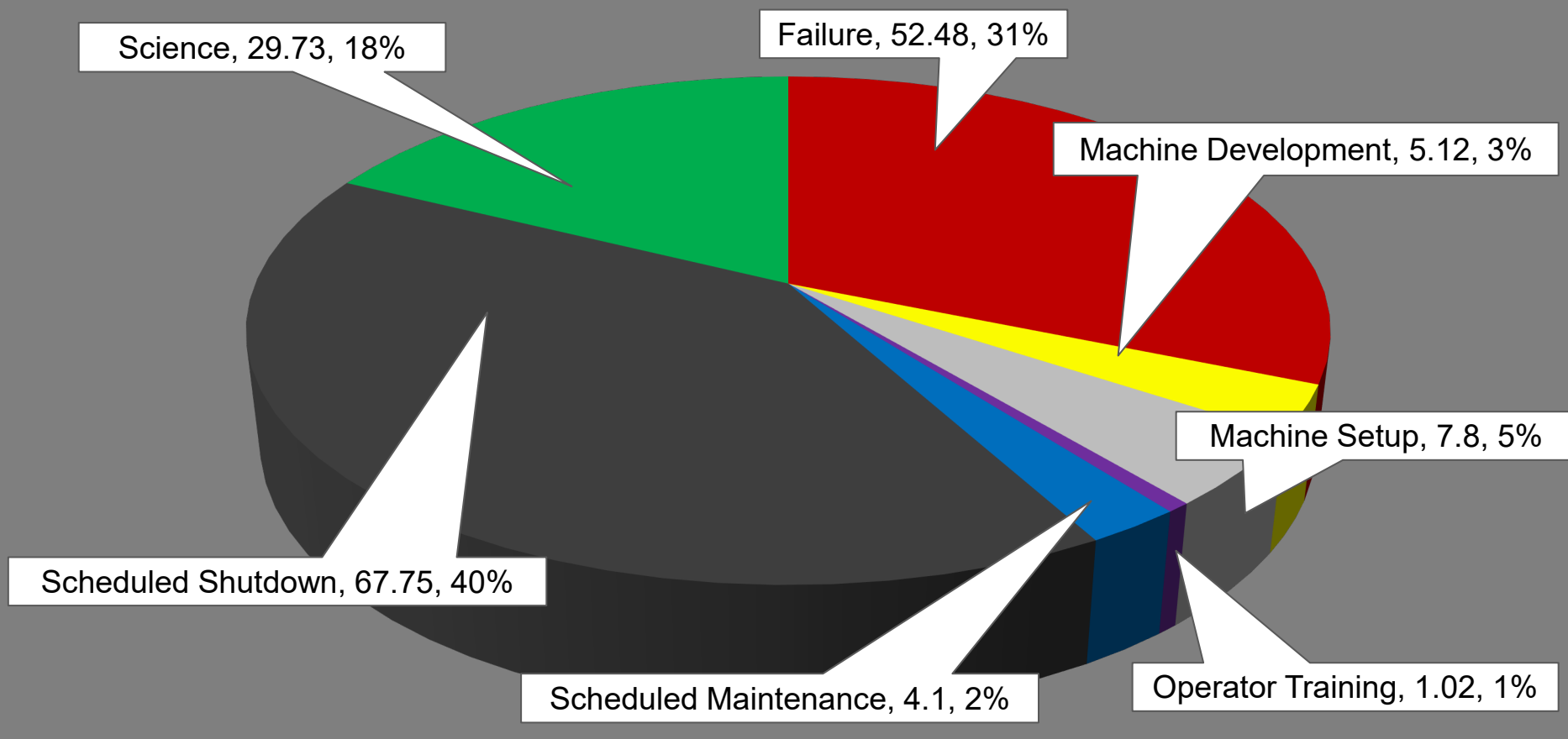
# NSRL activity past week: 3/25-4/1/2025 (as of 0800)

NSRL running continues, with various users running

Tandem produced Fe, Au for single ion modes; Protons in use from Linac.

Running 25-A schedule since 3 February. Schedule posted, **updates to 28 June** for beams & users.

## NSRL Hours



**Availability: 45.4%**

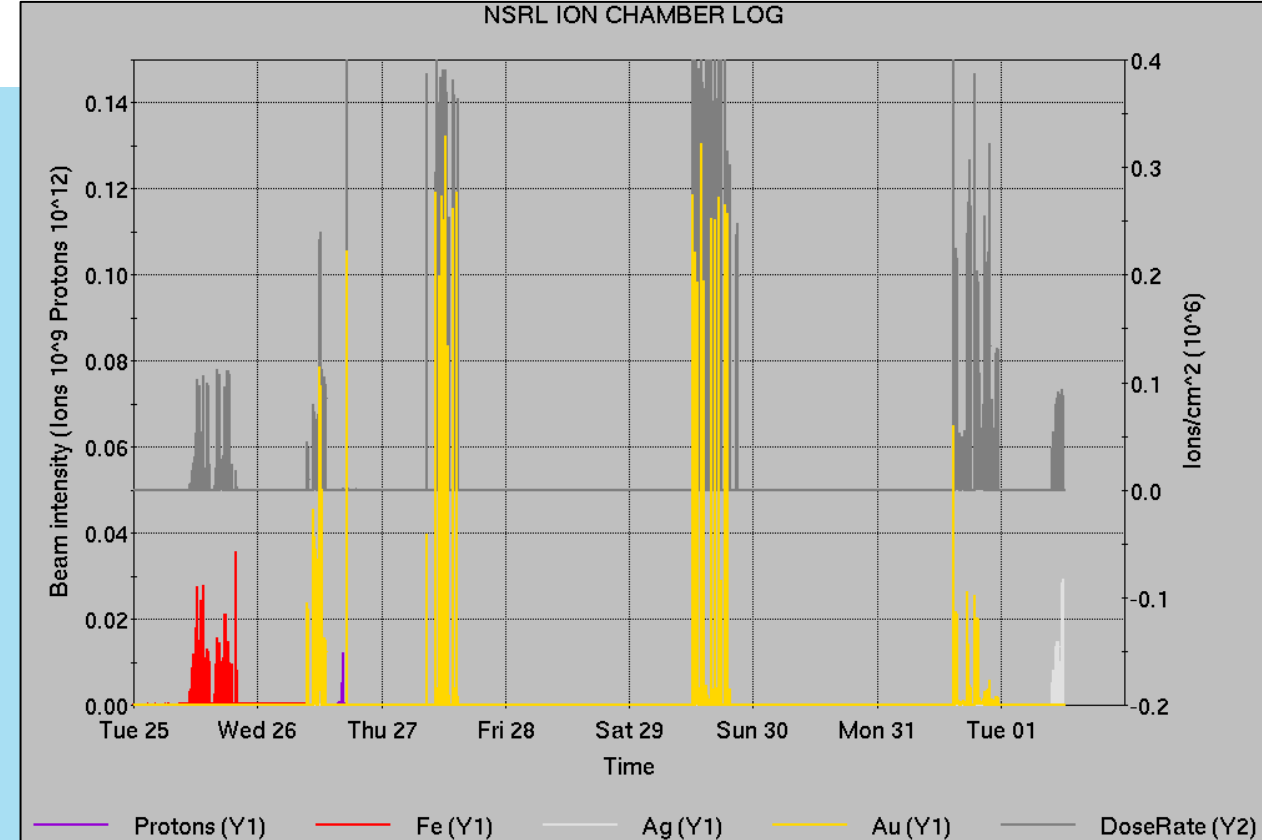
# Notes from Operations

## Notable failures (>1 hr)

- RHIC Blue main dipole system failure, ongoing
- Booster RF failure, Fire/Rescue emergency response, 914 building power and programmatic interruption
- AGS ag09-blw.c-ps failure, ongoing
- Booster bf6-sptm-ps interlock, filter replaced
- Tandem source failure, ionizer PS replaced
- Linac Mod 7, 5, 2 failures
- Linac Tank 1 quad PS failures, stop charge card issues
- Weather stand-down, lightning proximate to BNL
- BLIP BM1&2 trip, Rad interlock NM068

## Other notes

- Linac air handler failure interlock tanks quad PS
- cfe-wh-ps1 HW failure, replaced
- AGS E17 gamma-tr PS failure, ongoing
- Various Tandem foil changes, spark, trips/resets, tuning
- Various Linac trips, resets, retuning



	Linac	Tandem	EBIS	Booster	AGS	ATR	RHIC	ERL	Other	Total
Total	5 (0)	13 (17)	44 (0)	9 (4)	218 (20)	22 (3)	667 (841)	0 (0)	48 (10)	1026 (895)
RF	0 (0)	0 (0)	0 (0)	2 (0)	1 (0)	0 (0)	18 (0)	0 (0)	17 (6)	38 (6)
PS	1 (0)	4 (4)	35 (0)	4 (0)	212 (11)	14 (3)	605 (771)	0 (0)	0 (1)	875 (790)
Vacuum	0 (0)	9 (13)	8 (0)	0 (3)	0 (0)	5 (0)	20 (61)	0 (0)	12 (2)	54 (79)
Inst	1 (0)	0 (0)	0 (0)	1 (0)	1 (4)	0 (0)	11 (0)	0 (0)	5 (1)	19 (5)
Other	3 (0)	0 (0)	1 (0)	2 (1)	4 (5)	3 (0)	13 (9)	0 (0)	14 (0)	40 (15)

# Reminder from Operations

- MCR beam operations continue
  - Operator/OC shifts continue for NSRL users, 2 shifts/5 days this week and next.
  - NSRL limited to Au, protons during Booster/AGS setup, or pending EBIS restart.
  - BLIP production continues through 4 April; resumes 7 April
  - RHIC beam setup suspended; AGS, AtR beam anticipated this week.
- *Note: MCR will not be occupied continuously.*
  - No OC on duty overnight. No MCR this weekend.
  - Contact CAS in off hours (x2024) for urgent issues when MCR is not staffed.
- Work continues with Teams phone setup. **No more Cisco** (remove Cisco phones) Identify anomalies outstanding. Contact ITD, Maintenance Coordinator
- Changes? Time to update is *now*. Expect calls at all hours.
  - <http://directory.pbn.bnl.gov/>
    - CHECK AND EDIT YOUR OWN CONTACT INFO
  - [https://www.cadops.bnl.gov/Operations/personnel/call\\_in\\_lists/](https://www.cadops.bnl.gov/Operations/personnel/call_in_lists/)
    - CHECK YOUR CALLIN LIST: expect contact off-hours
  - Alarm response instructions: Groups prompted for updates

# Keytree notes

Remote keytree systems require a database lookup to validate and authorize distribution of keytokens. The Keytrak system's database is available for lookup functionality, but can no longer be modified in any way to add or edit qualified personnel.

## Personnel affected:

- New employees, experimenters arriving after 12/1/2024 could not be enrolled in database
- Existing employees & experimenters, not already enrolled, cannot be added or modified in database

## Remote keytrees affected:

- Iris scan @NSRL
- BNLID scan @AGS South gate, North Conjunction Gate
- Iris scan @RHIC STAR, sPHENIX, IP12, IP4

## Keytrees NOT affected:

- BNLID scan @Linac, Booster
- BNLID scan @RHIC IP2
- MCR keytrees

# Keytree notes, continued

## Mitigation:

- Choose entrants that are currently enrolled to perform the work in the enclosure under Controlled Access (CA).
- Obtain CA keys from MCR for remote gate watch
- Arrange for local gate watch using other tokens for entrants.
- Arrange for Restricted Access, and allow for delays incurred to sweep areas.

## CAUTION

- *Follow procedures.* Gate Watch staff will remain vigilant.
  - No “piggy-backing” – one key/token per entrant.
  - Access keys are not candy! ***Authenticated entrant retains possession.***
- Radiological Controls and the Access Controls System are not to be circumvented. This is (has been) enforced with disciplinary action (dismissal).

# Availability: RHIC Run-25

