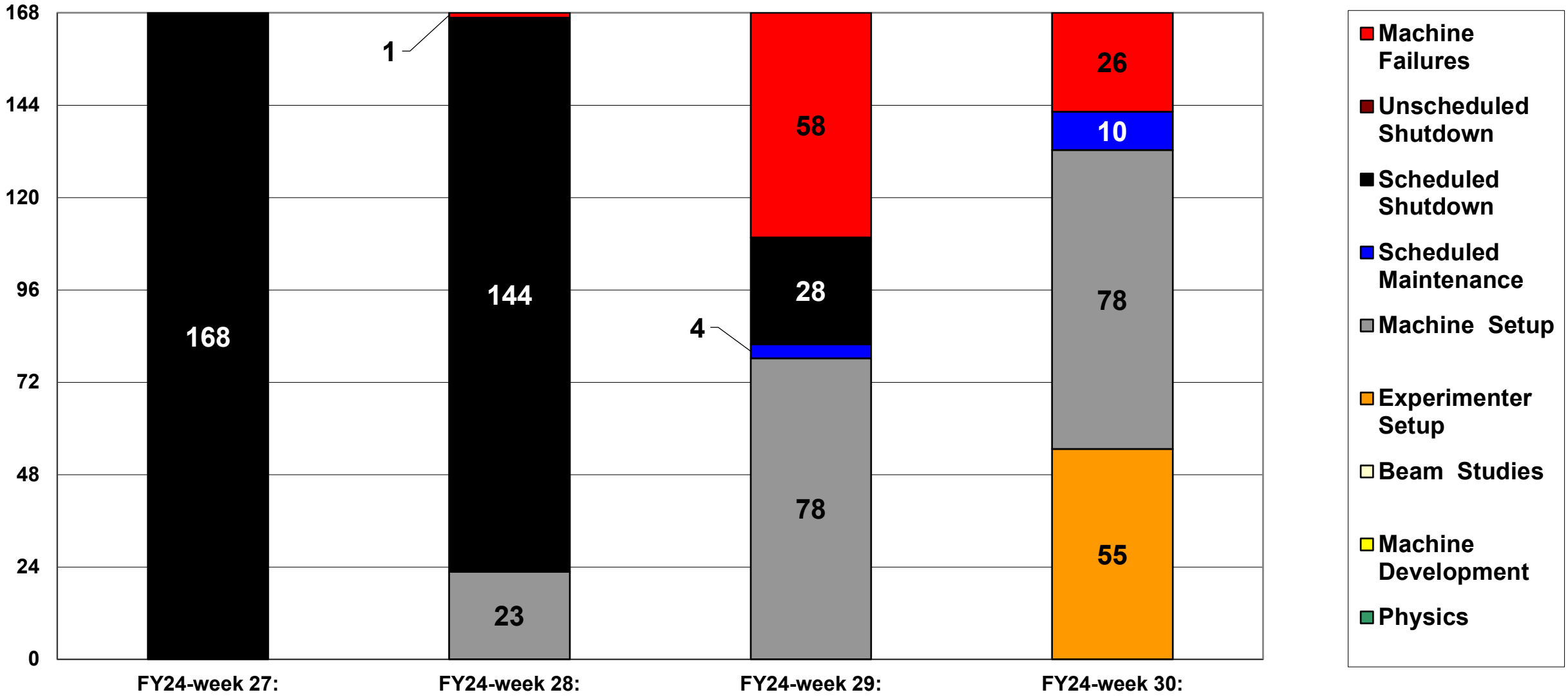
C-AD ACTIVITY April 2024



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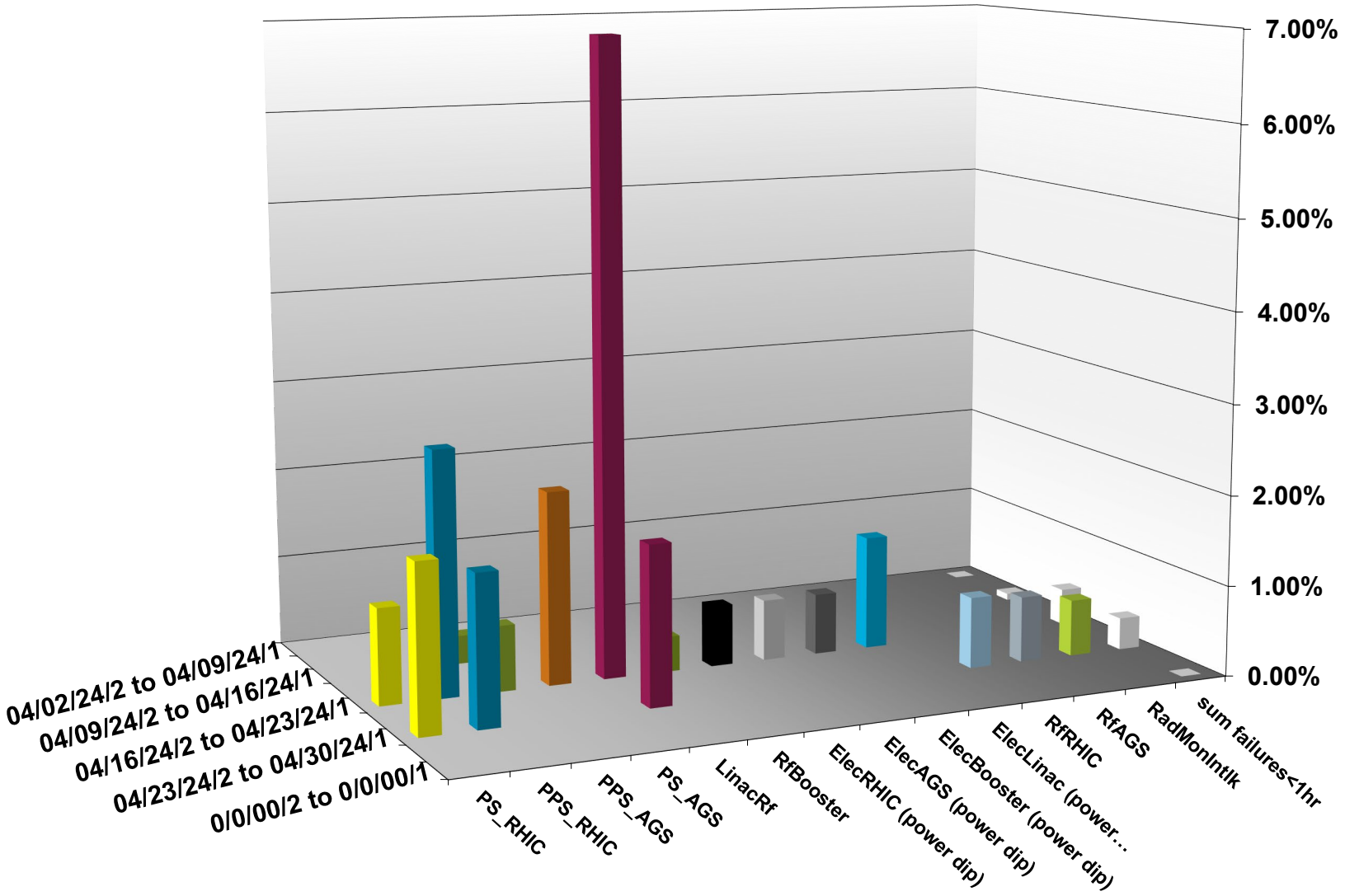
Data courtesy C. Naylor

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



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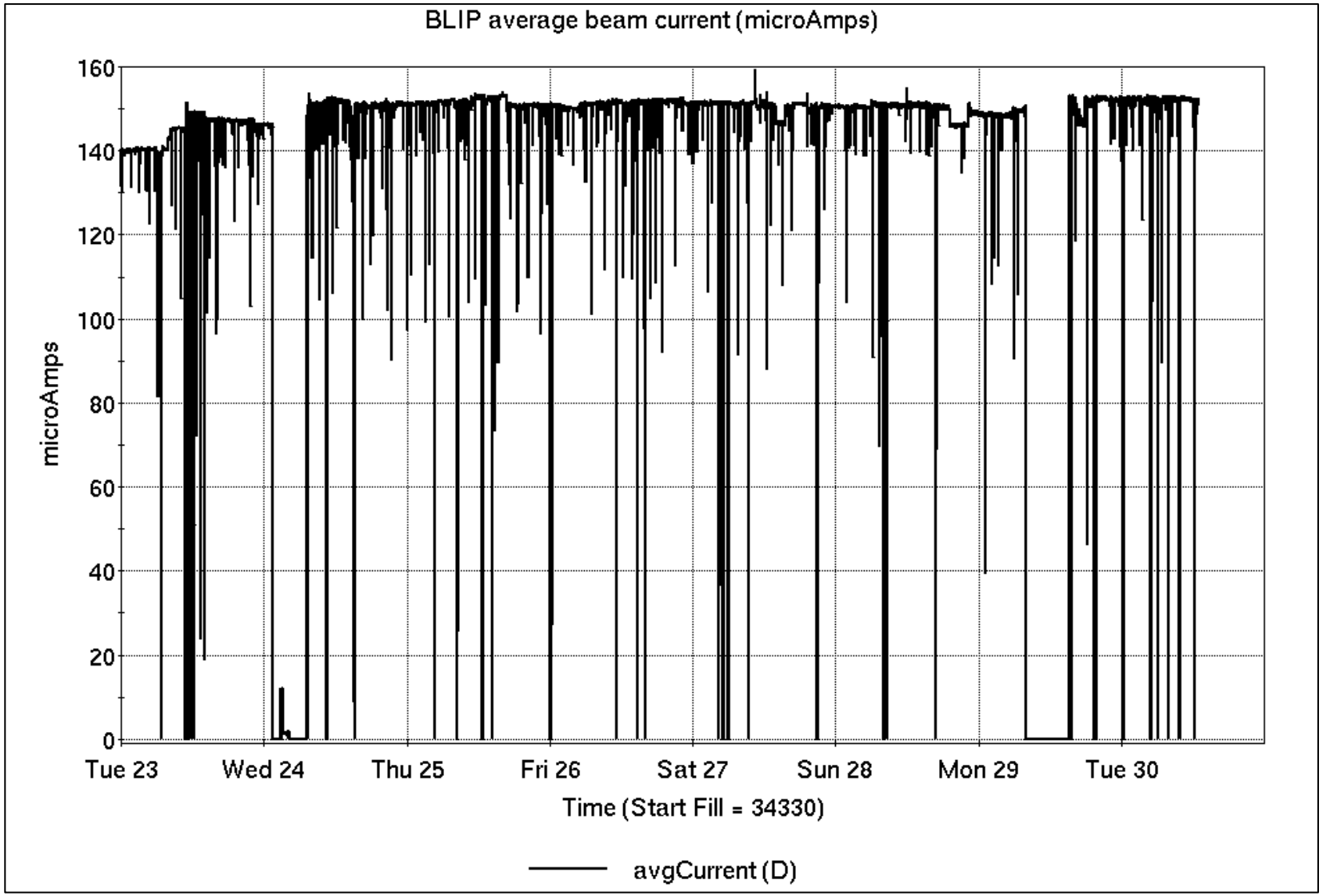
Data courtesy C. Naylor

Operations for BLIP 4/23-30/2024:

BLIP 200 MeV target production continued throughout the week (requisite beam current was reestablished).

- 152.07 hr Production
- 0.13 hr Setup
- 8.47 hr Failure
- 7.33 hr Maintenance

Availability: 94.7%



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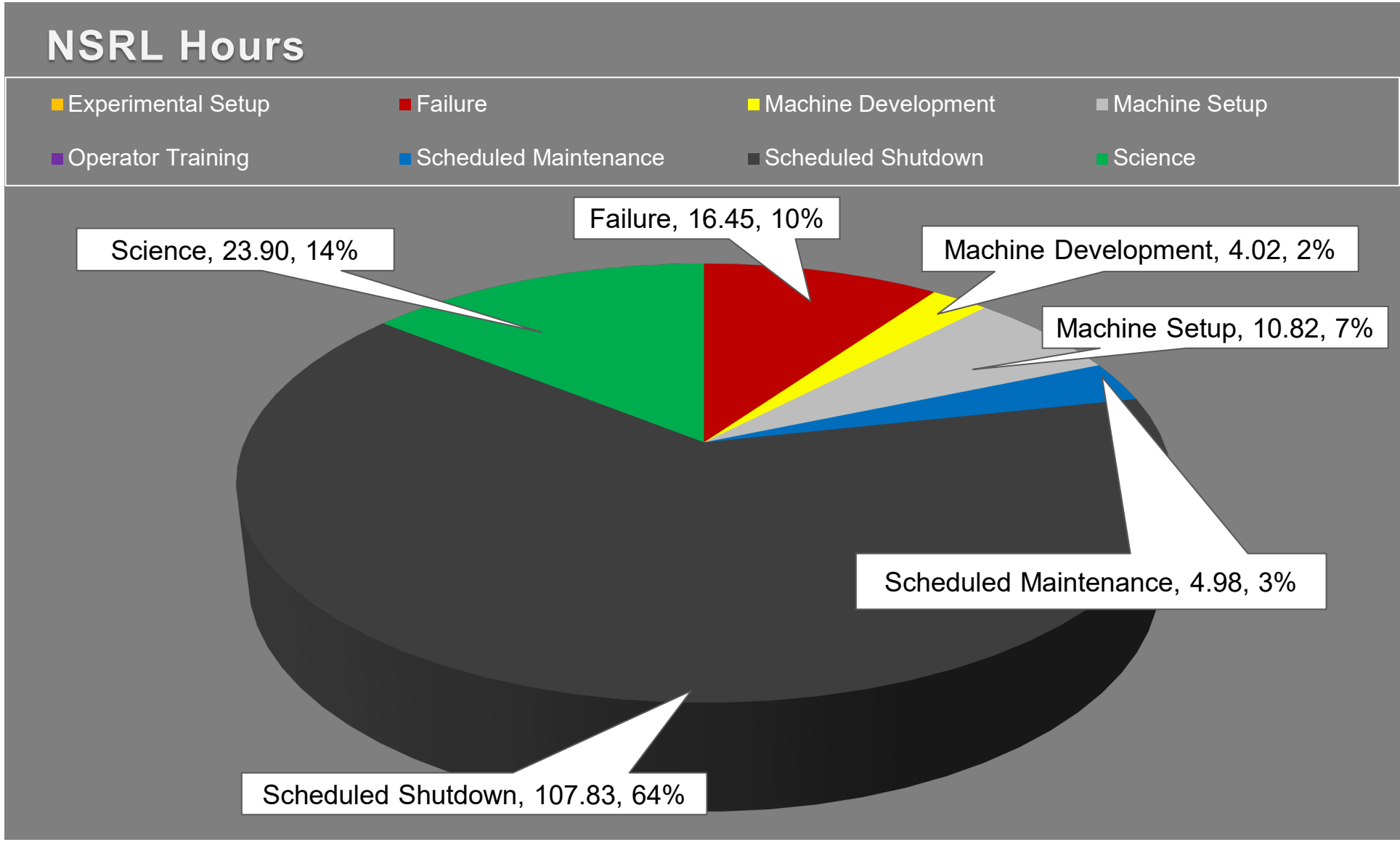
NSRL activity past week: 4/23-30/2024 (as of 0800)

NSRL: NASA biology continues, as primary user in GCR mode; additional users this week.

Protons, 11 EBIS ions in use. (He, C, Ne, O, Si, Fe, Ag, Tb, Ta, Bi, Au)

Run 24-A/B schedule continues until 21 May. Run 24-C follows 22 May. Schedule posted, details forthcoming; beam into November.



Availability: 70.2%

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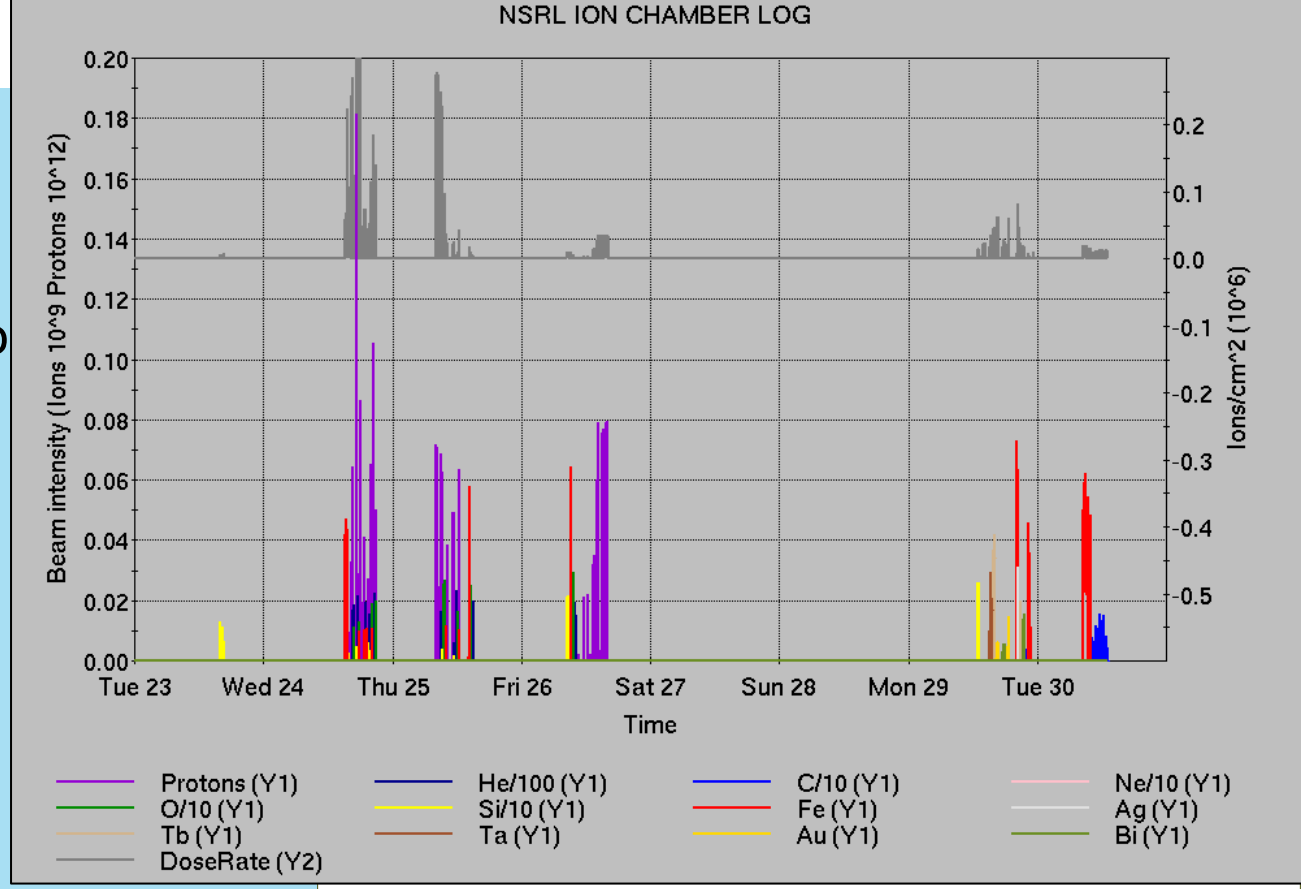
Notes from Operations

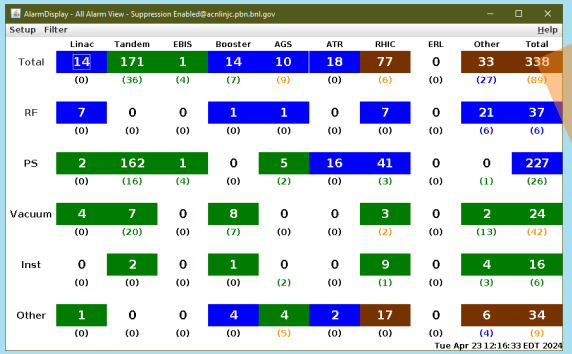
Notable failures (>1 hr)

- Linac Mod 6 RF failures (4x). 8618 replacement was major repair.
- Blue injection kicker mispulse failures, repairs to module #3.
- Access for PS, other repairs
- Access for bo11-th6-ps
- Blue QLI
- AGS LLRF bucket hop issues
- Blue bi4-tq5 trip, replaced PS
- R-line PS failure
- Proton intensity issues

Other notes

- Various trips, resets and concurrent work





427 alarms last week; 352 today

	Linac	Tandem	EBIS	Booster	AGS	ATR	RHIC	ERL	Other	Total
Total	4	0	1	15	5	5	35	0	27	92
	(0)	(206)	(4)	(7)	(9)	(0)	(7)	(0)	(27)	(260)
RF	0	0	0	0	1	0	9	0	21	31
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(6)
PS	2	0	1	0	3	5	11	0	0	22
	(0)	(177)	(4)	(0)	(2)	(0)	(3)	(0)	(1)	(187)
Vacuum	2	0	0	9	1	0	5	0	2	19
	(0)	(27)	(0)	(7)	(0)	(0)	(2)	(0)	(13)	(49)
Inst	0	0	0	0	0	0	6	0	4	10
	(0)	(2)	(0)	(0)	(2)	(0)	(1)	(0)	(3)	(8)
Other	0	0	0	6	0	0	4	0	0	10
	(0)	(0)	(0)	(0)	(5)	(0)	(1)	(0)	(4)	(10)

Tue Apr 30 13:15:28 EDT 2024

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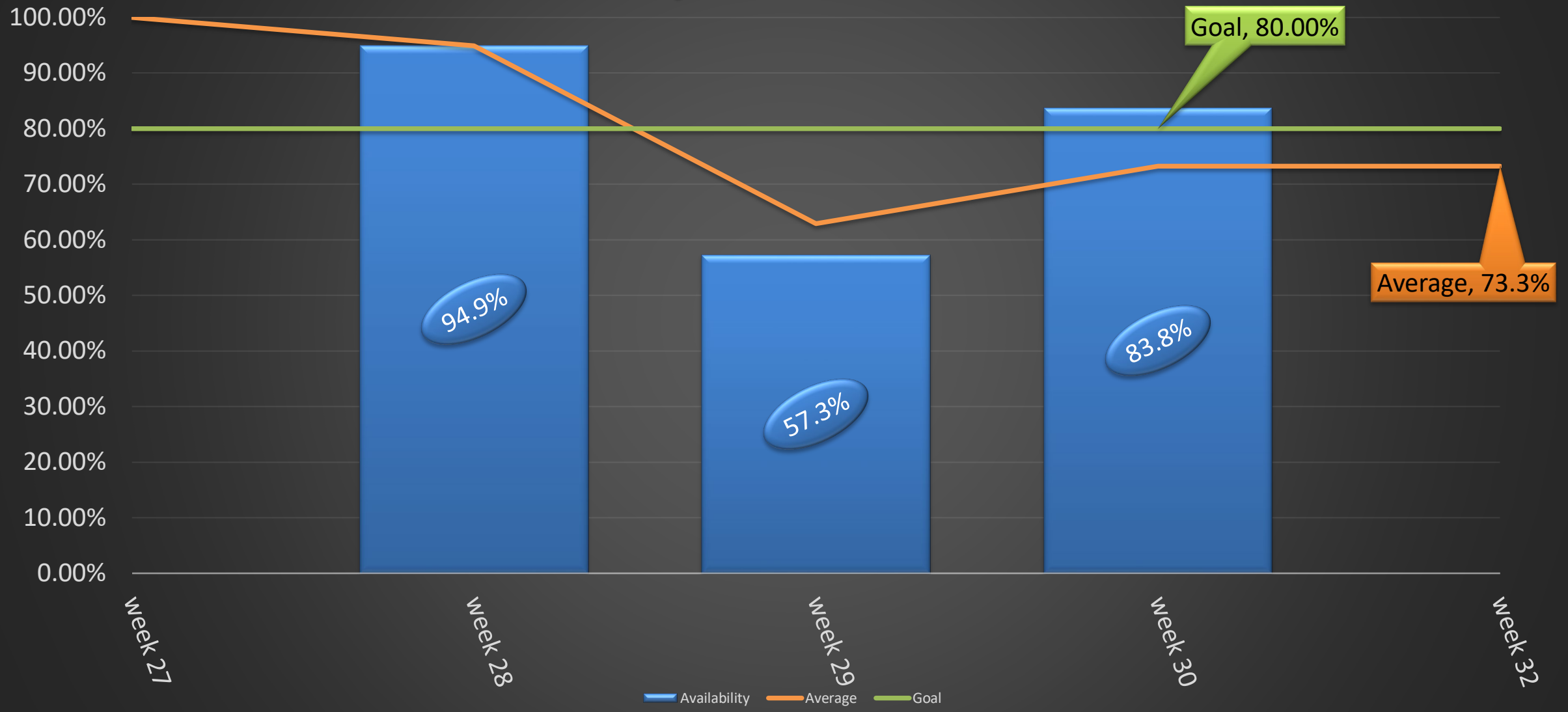
Reminder from Operations

- MCR continues Operations for:
  - BLIP – continues through 3 May.
  - NSRL user running scheduled Mon-Fri, NASA Biology this week and next.
  - AGS/Booster polarized proton setup continues, additional to RHIC setup.
    - Setting up multiple (proton) AGS PPM Users, polarization scans.
    - Injector Au setup as yet untested.
    - Skew quad testing continues.
  - RHIC beam setup.
    - Working towards Physics stores.

- ***Remember to coordinate with MCR.***
  We need proper contacts when systems require experts
- CHECK AND EDIT YOUR OWN CONTACT INFO
  - http://directory.pbn.bnl.gov/
- CHECK YOUR CALLIN LIST: WCC and ECP updates needed
  - https://www.cadops.bnl.gov/Operations/personnel/call_in_lists/

Availability: RHIC Run-24



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