



# CEBAF Update

CLAS Collaboration Meeting

March 10, 2026

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 Jefferson Lab

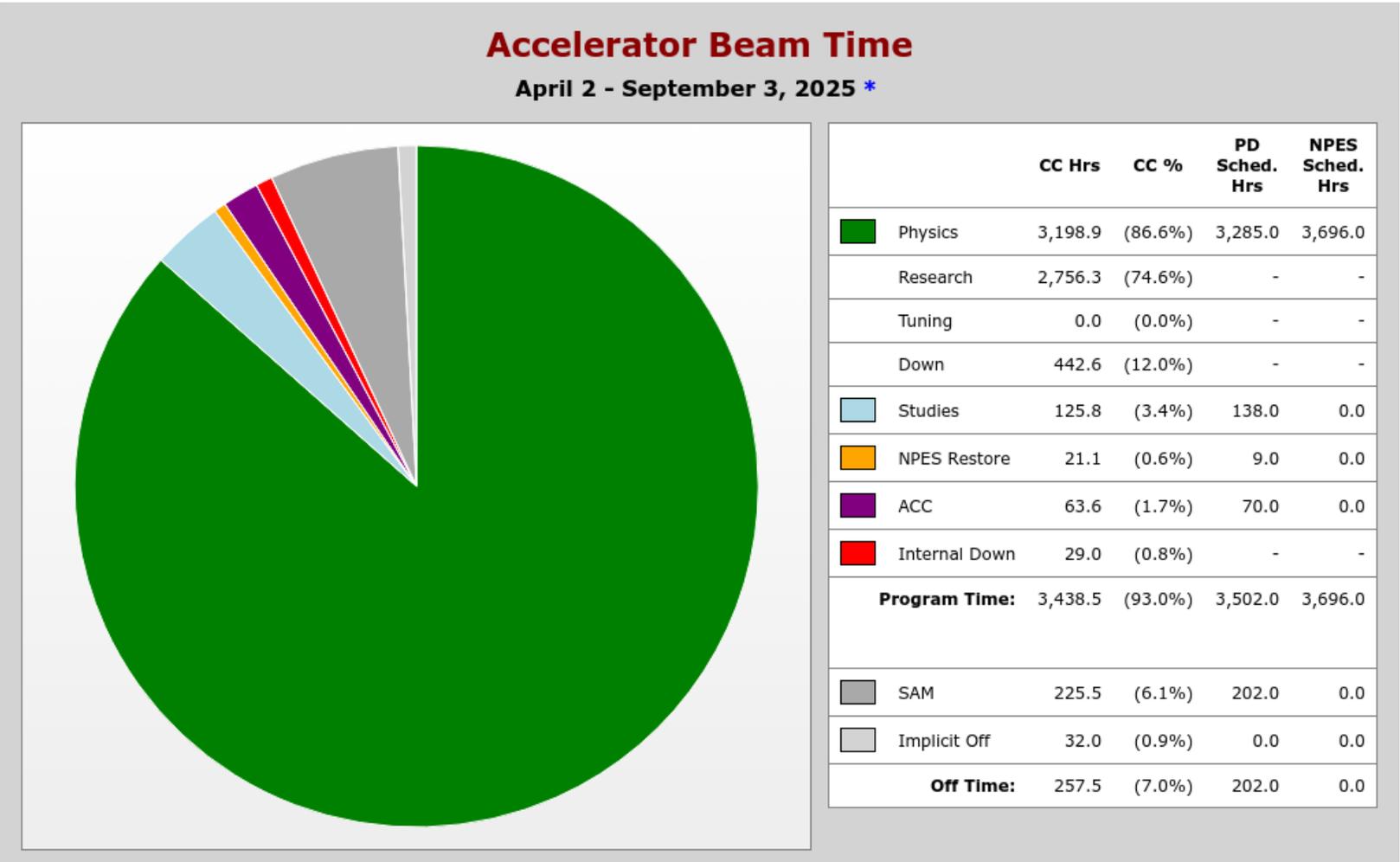
U.S. Department of  
**ENERGY**

# Outline

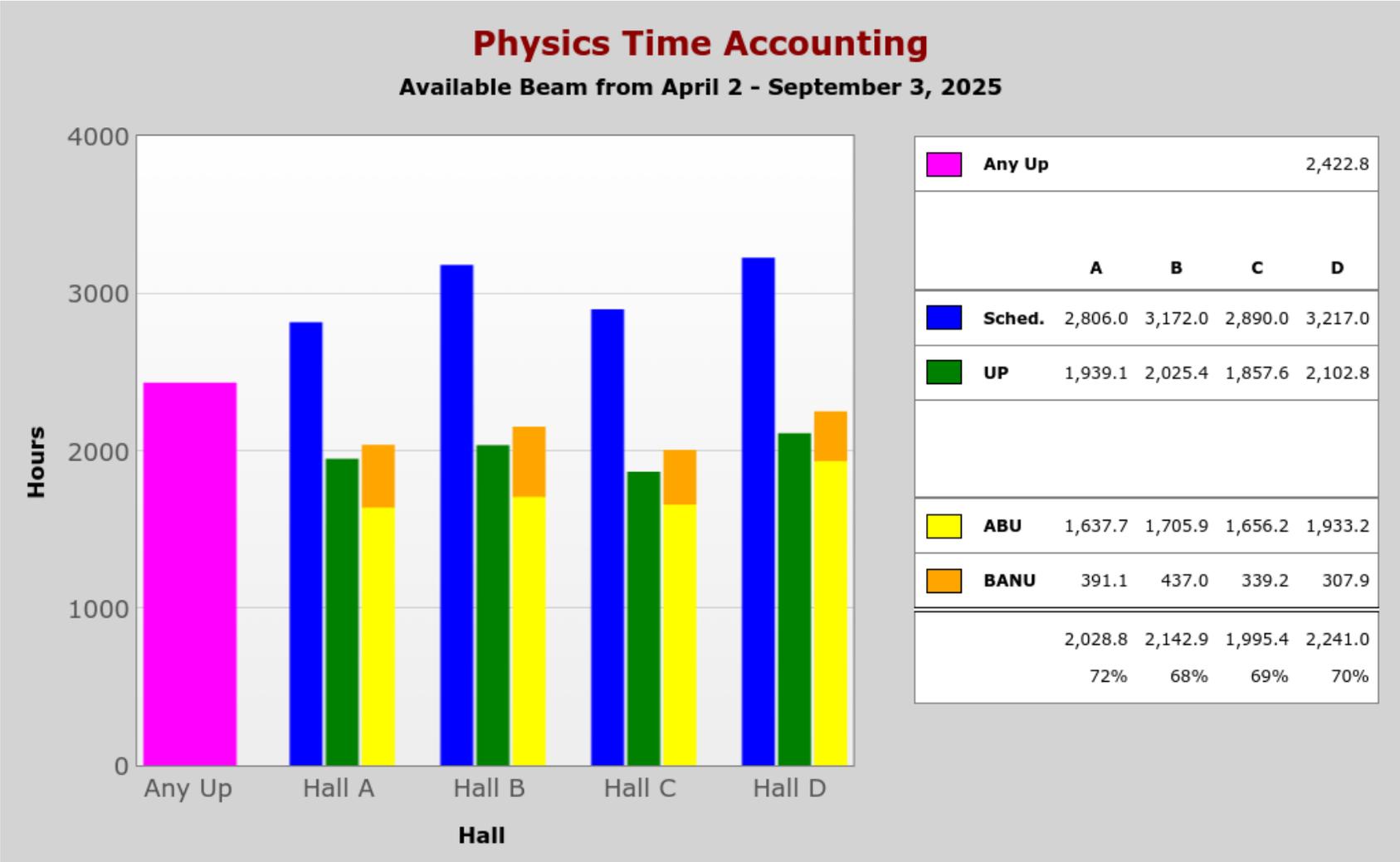
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- Previous run statistics
- Previous run highlights
- SAM status
- Upcoming run
- Summary

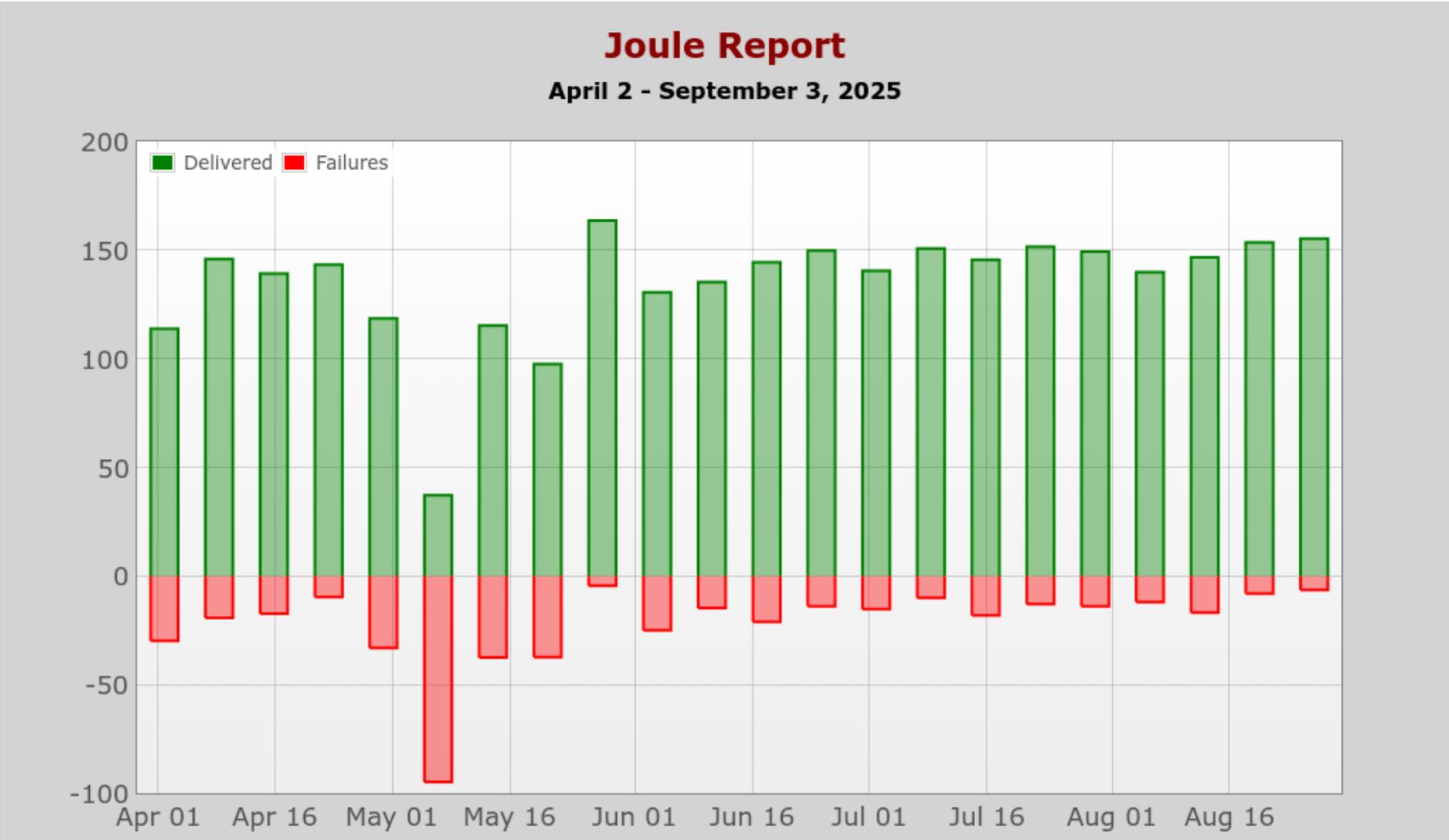
# Previous Run Statistics



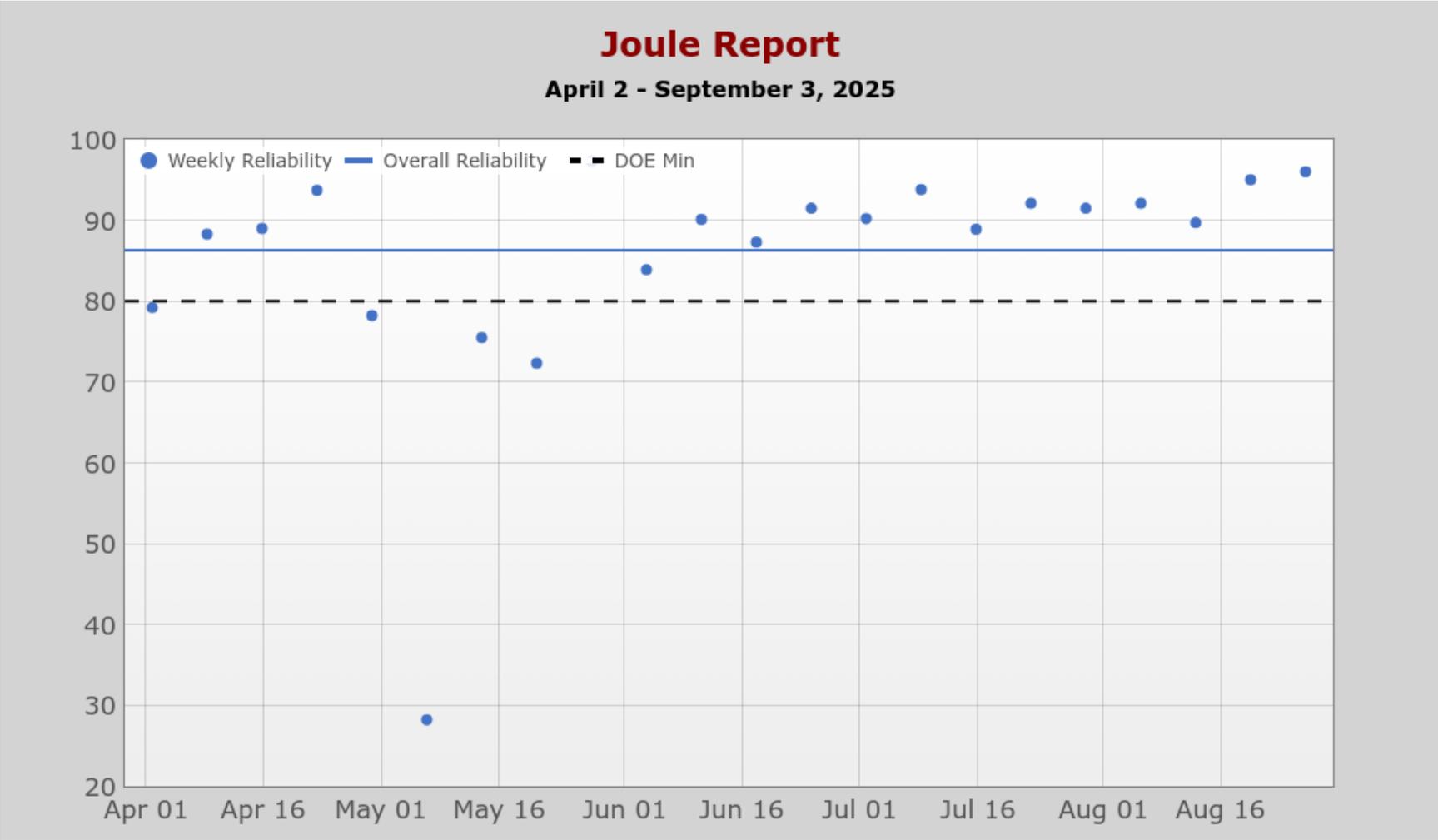
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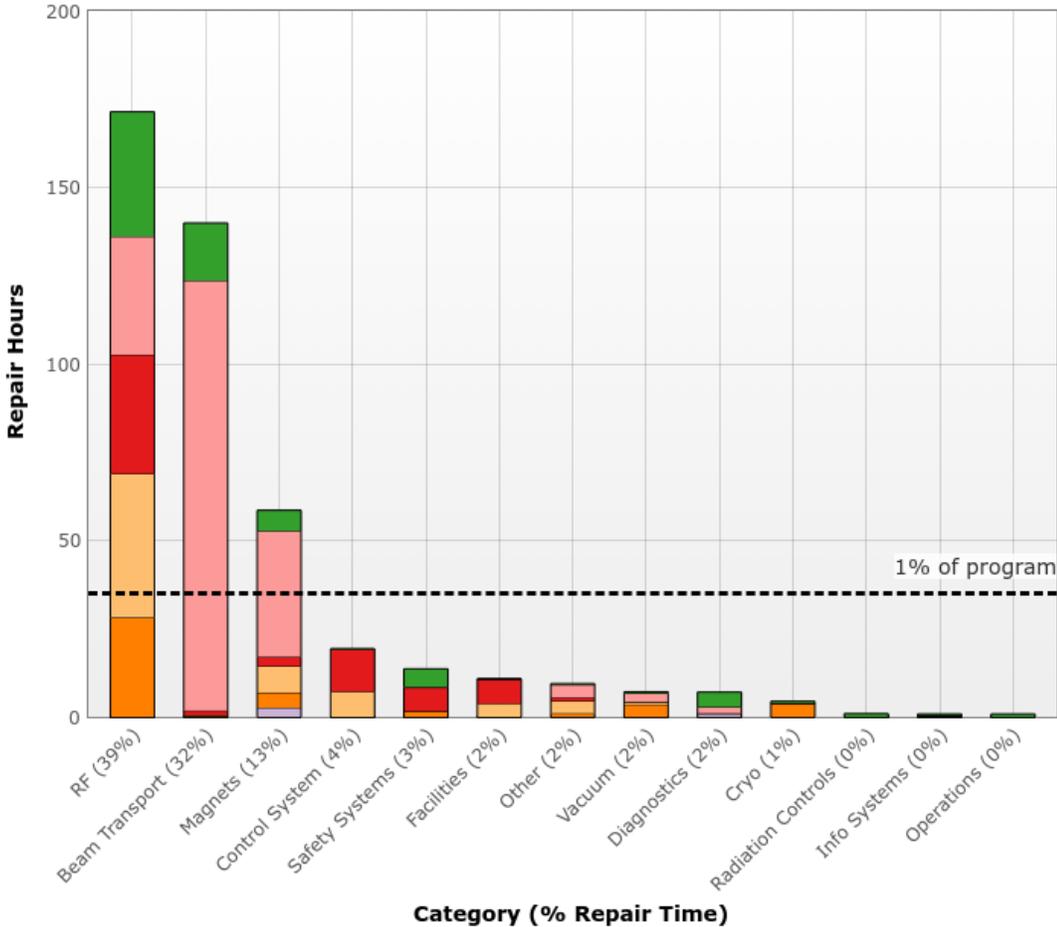
# Previous Run Statistics



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## Accelerator System Repair Report

April 2, 2025 - April 2, 2026



	Prg Hrs	Prg %
Apr '25	641	19%
May '25	645	19%
Jun '25	683	20%
Jul '25	712	21%
Aug '25	710	21%
Sep '25	63	2%
Oct '25	0	0%
Nov '25	0	0%
Dec '25	0	0%
Jan '26	0	0%
Feb '26	0	0%
Mar '26	0	0%
Apr '26	0	0%
<b>Total:</b>	<b>3,454</b>	

• Incident Downtime

# Previous Run Highlights

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- Early on, there was an oscillation in the beam orbit, which was eventually tracked down and remedied
- While there was difficulty with halo and steering at the end of May, this was successfully resolved and did not return for the rest of the run
- Last run had a rough start, but eventually achieved stable running, with an overall reliability of 86%, and the Hall B ABU+BANU coming in at 68% for the entire run, delivering 1760 mC

# SAM Status

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- Despite everything, SAM stayed relatively on-schedule
- Select activities:
  - Installation work for Moller
  - Plasma processing in the North Linac
  - DC Power making adjustments for low energy run
  - Magnet flushing
- Currently in HCO / Injector Setup

# Upcoming Run

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- Cold start up scheduled to begin March 13<sup>th</sup> / Restoration on March 15<sup>th</sup>
- Physics scheduled to begin March 27<sup>th</sup>
- Physics end scheduled August 31<sup>st</sup>
- Two CEBAF configurations:
  - 0.7 GeV/pass (~2.5 months, special setup)
  - 2.12 GeV/pass (rest of run)
- Three halls running – xA off
- Hall B experiments are PRad-II (E12-20-004) and X17
- Runs at 5<sup>th</sup> pass and 1<sup>st</sup> pass during low energy; 1<sup>st</sup> pass during the rest

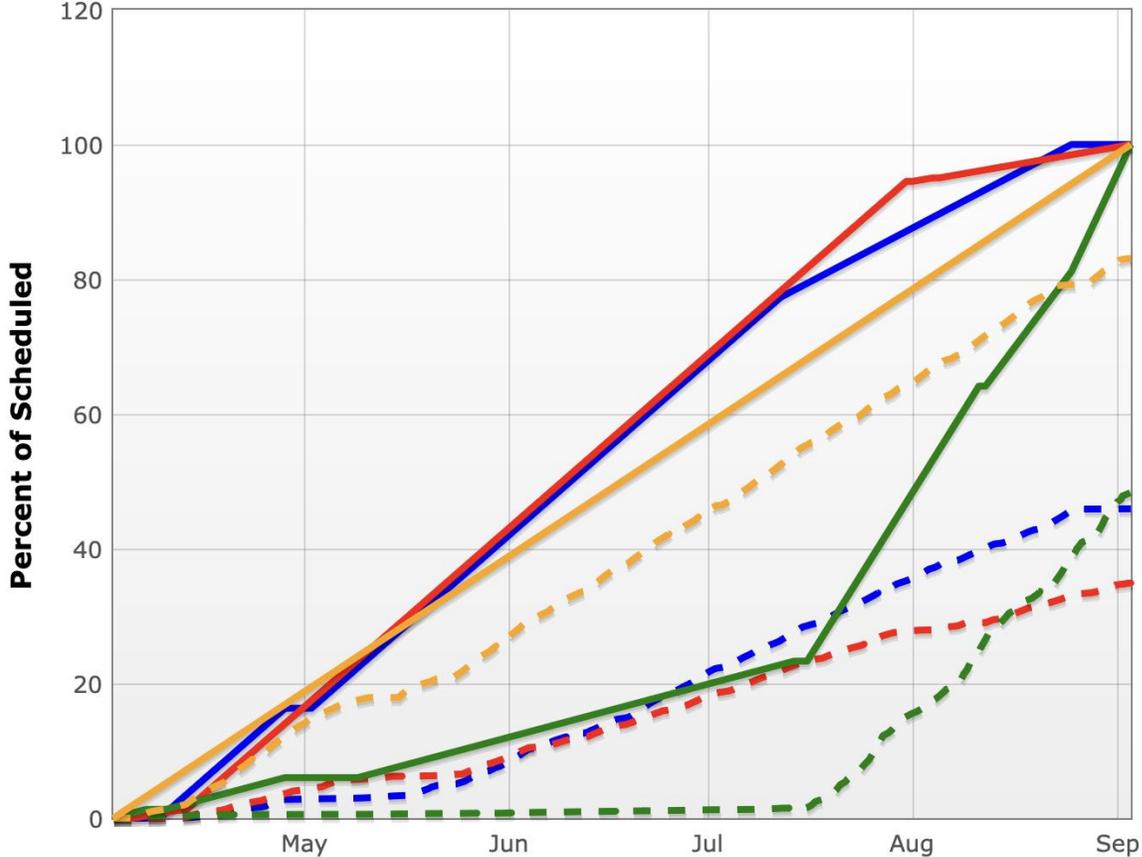
# Summary

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- Despite the rough start, last run eventually settled into stable running with a good reliability rate overall
- While delayed from a number of sources, physics is scheduled to begin by the end of the month
- Preparation has been made to start with the low energy run, as well as how to switch to nominal energy for the second part of the run
- A number of efforts to improve beam operations and reliability are ongoing

# Previous Run Statistics

April 2 - September 3, 2025



Hall	Scheduled	Delivered
<span style="color: blue;">■</span> A	251.42C	115.5C
<span style="color: red;">■</span> B	5045.8mC	1760.8mC
<span style="color: green;">■</span> C	165.02C	79.748C
<span style="color: orange;">■</span> D	1995.8mC	1657.8mC