

# Machine Studies

## Draft Schedule for Run02-4, 2026

June 15 0800 – June 17 0800

Time	Descriptions	Studios	SR Status
<b>Monday, June 15, 2025</b>			
<b>0800-0900</b>	<b>Orbit Response</b>	<b>Dick</b>	<b>Stored Beam and Injection</b>
<b>0900-1000</b>	<b>Upgrade Booster ramping IOC</b>	<b>Shifu</b>	<b>No Injection</b>
<b>0900-1200</b>	<b>PAR console testing</b>	<b>Lawson/Fystro</b>	<b>Limited Injection</b>
<b>1000-1100</b>	<b>End to End test at 1ID</b>	<b>McNamara</b>	<b>No Beam</b>
<b>1000-1200</b>	<b>Measure gate jitter</b>	<b>Keane</b>	<b>No Beam</b>
<b>1000-1200</b>	<b>Investigate S08 vacuum</b>	<b>Clute</b>	<b>Access Zone A</b>
<b>1100-1200</b>	<b>Replace S40 Cav 1 blower</b>	<b>MOM</b>	<b>Access Zone F</b>
<b>1100-1200</b>	<b>Conduct magnet measurement study</b>	<b>Wei</b>	<b>No Beam</b>
<b>1120-1230</b>	<b>Tour (3 groups in series)</b>	<b>Ramanathan</b>	<b>Zone F Authorized Access</b>
<b>1230-1330</b>	<b>ACIS validate K3</b>	<b>Meyer</b>	<b>No beam No Injection</b>
<b>1230-1330</b>	<b>Verify Booster ramping IOC changes</b>	<b>Fystro</b>	<b>No Beam Limited Injection</b>
<b>1230-1430</b>	<b>Booster injection prep for survey</b>	<b>OPS</b>	<b>Injection</b>

1300-1400	Booster tunnel survey	HP	No beam Access Booster
1330-1430	Recover SR magnets, skipping fast corrector magnets	Ops	No beam
1330-1530	Troubleshoot FOFB corrector setpoints	Carwardine	No Beam
1400-1600	Inspect/repair B4C8FL1	MOM	No beam Access Booster
1600-1730	Recover Booster	OPS	No beam Limited Injection
1730-1830	Recover SR injection	Ops	Stored Beam and Injection
1530-1730	Booster QD autocorrection (new time)	Calvey	Stored Beam and Limited Injection
1730-2100	Lattice measurement using turn-by-turn motion (new time)	Sajaev, Weixing, Emery	Stored Beam and Injection
2100-0100	HOM stability. 100 mA and 200 mA (new time)	Kallakuri Emery	Stored Beam and Injection

Tuesday, June 16, 2025

0100-0200	Synchrotron frequency measurement single bunch (new time)	Kallakuri Emery	Stored Beam and Injection
0200-0600	Gas scattering lifetime 200 mA various bunch patterns (could finish early)	Emery	Stored Beam and Injection
0600	polarization study I: Inject high-charge bunch in SR for 3-hour decay for polarization study. Change DCCT sensitivity.	Emery	Stored Beam and Injection

<b>0600-0855</b>	<b>BTS quad offset measurement</b>	<b>Chenran</b>	<b>Stored Beam and Injection</b>
<b>0900-1000</b>	<b>polarization study II: Fill small charge bunches for lifetime reference measurements then one final high charge bunch (again) for decay</b>	<b>Ops Borland</b>	<b>Stored Beam and Injection</b>
<b>0900-1255</b>	<b><del>LEA loss studies</del></b>	<b><del>Wootton, HP</del></b>	<b><del>Stored Beam and No Injection</del></b>
<b>1000</b>	<b>Polarization study II: Inject high-charge bunch in SR for 3-hour decay (again)</b>	<b>Borland</b>	<b>Stored Beam and Injection</b>
<b>1000-1400</b>	<b>test the 136MHz clock on linac and PAR</b>	<b>Hong</b>	<b>Stored Beam and No Injection</b>
<b>1400-1600</b>	<b>low-pass filters on S36-C4 and ac line-to-rf efficiency. 200 mA</b>	<b>RF group</b>	<b>Stored Beam and Injection</b>
<b>1600-1800</b>	<b>Operator training</b>	<b>Ops</b>	<b>Stored Beam and Injection</b>
<b>1800-2400</b>	<b>Lifetime optimization with 24 sextupole families</b>	<b>Kuklev Emery Borland</b>	<b>Stored Beam and Injection</b>
<b>Wednesday, June 17, 2025</b>			
<b>0000-0400</b>	<b>Open</b>		<b>Stored beam &amp; injection</b>
<b>0400-0600</b>	<b>Set up SR for operations + orbit response and chromaticity measurements</b>	<b>Dick</b>	<b>Stored beam &amp; injection</b>
<b>0600-0800</b>	<b>Injector training/prepare for user beam</b>	<b>Ops</b>	<b>Stored beam &amp; injection</b>