

# Machine Studies

## Draft Schedule for Run01-6, 2026

March 9 0800 – March 11 0800

Time	Descriptions	Studios	SR Status
<b>Monday, March 9, 2025</b>			
<b>0800-0830</b>	<b>Response matrix measurement at 10 mA. Injection stops at 0830h. Stored beam present till 0900h. Measure S40A:P1 offset.</b>	<b>Emery</b>	<b>Stored beam &amp; injection</b>
<b>0900-1200</b>	<b>Move the BPSC IOCs to a new machine</b>	<b>B. Chandler</b>	<b>No Beam</b>
<b>0900-1300</b>	<b>Spotknock RF-5 replace Bergoz card</b>	<b>Weyer</b>	<b>No Injection</b>
<b>0930-1130</b>	<b>Let the L3 RF triggers follow the laser / PC Gun</b>	<b>Hong</b>	<b>Limited Injection</b>
<b>0930-1130</b>	<b>Laser alignment</b>	<b>Dooling</b>	<b>Access Linac</b>
<b>0930-1130</b>	<b>Investigation on power supply / rack for BTS:BSQ1</b>	<b>Jordan/FAC</b>	<b>No Injection</b>
<b>1000-1200</b>	<b>BST camera controls scripts. No beam</b>	<b>Shang</b>	<b>Access Zone F</b>
<b>1000-1100</b>	<b>Adjust BLS cryostat valves</b>	<b>Fuerst</b>	<b>Access Zone F</b>
<b>1000-1100</b>	<b>Troubleshoot thermocouple</b>	<b>Weghorn</b>	<b>Access Zone F</b>
<b>1000-1130</b>	<b>FODO measurements</b>	<b>Preissner</b>	<b>Access Zone A</b>
<b>1200-1300</b>	<b>Investigate FOK counts</b>	<b>Abid</b>	<b>No Beam</b>
	<b>End of interventions</b>		
<b>1300-1600</b>	<b>SR console testing. SR presumed</b>	<b>Weber/Berkland</b>	<b>Beam not</b>

	recovered at the end.		available
1600-1800	Operator training	Ops	Stored beam & injection
1800-2000	M1/M2 and DAQ system 10 mA. Inject once	Paskvan	Stored beam & injection
1800-2100	Linac setup: Recover K2 rf power level to 145 MW; Test K3 timing switch	Yine Meyer Hong Mohsen	Stored beam & No injection
2000-2200	SR IK no beam; M1/M2 conditioning	Paskvan	No Beam
2100-0100	PAR high charge	Mohsen, Calvey	Stored beam & Limited injection
Tuesday, March 10, 2025			
0100-0300	Operator training	Ops	Stored beam & injection
0300-0700	PTB optimization	Calvey Fystro Mohsen Fors?	Stored beam & Limited injection
0700-1100	Booster high charge	Calvey Mohsen Fystro	Stored beam & Limited injection
1100-1200	BLS setup for 130 mA and 48 bunches	Fuesrt Kelly Emery Kallakuri	Stored beam & injection
1200-1400	LFB checkout for 130 mA	Kallakuri Emery	Stored beam & injection
1400-1600	BTS emittance measurement	Shang Chenran	Stored beam & injection
1600-1800	Operator training	Ops	Stored beam & injection
1800-2000	<del>Operator training</del>	<del>Ops</del>	<del>Stored beam &amp;</del>

			<b>injection</b>
<b>1800-2000</b>	<b>SR horizontal collimators</b>	<b>Borland Dick</b>	<b>Stored beam &amp; injection</b>
<b>2000-2400</b>	<b>Measure bunch length and lifetime as a function of number of bunches and total current</b>	<b>Borland, Sun</b>	<b>Stored beam &amp; injection</b>
<b>Wednesday, March 11, 2025</b>			
<b>0000-0400</b>	<b>S09/S37 FOFB</b>	<b>Cheng, Carwardine</b>	<b>Stored beam &amp; injection</b>
<b>0400-0600</b>	<b>Set up SR for operations + orbit response and chromaticity measurements</b>	<b>Emery, 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>