

# Machine Studies

## Draft Schedule for Run01-3, 2026

February 16 0800 – February 17 0800

Time	Descriptions	Studios	SR Status
Monday, February 16, 2025			
0800-0830	Response matrix measurement at 10 mA. Injection stops at 0830h. Stored beam present till 0900h if needed.	Emery	Stored beam & injection
0800-0900	Update UPSC iocs	B. Chandler	No Impact
0800-1000	Test non production ioc sioc2lbatten	Grass	No Impact
0830-1230	Swap out PTB:Q7 and re-optimize injection	Puttkammer/ Fystro	No Injection
0900-1200	Alarms on SR IK waveforms	Paskvan Grass	No Beam
0900-0930	Switch RF-3 water pump	Wright	No Beam
0900-1000	Install new virtual cathode camera/laser alignment	Dooling	Access Linac
0900-1000	Troubleshoot shutter #2 micro switches	Smith	Access ITS K1-3 down
0900-1000	Check magnet polarity in ITS	Sun Xu	Access ITS K1-3 down
0900-1000	Troubleshoot FOK counter	Abid	No Beam
0930-1130	Make FODO adjustments	Preissner/SVY	Access Zone C

1200-1330	SR recovery	Ops	Stored beam & injection
1330-1420	Recover orbit at 10 mA due to FODO cell perturbation, condition magnets to check effect on correctors	Emery Dick Xu	Stored beam & injection
1420-1440	Check injection timing errors	Fors Emery	Stored beam & injection
1440-1700	Measure response at 10 mA, correct optics, characterize lifetime at 200 mA	Emery Dick Xu	Stored beam & injection
1700-2000	Booster chromaticity correction. No SR rf	Calvey, Shang, Fors	No beam
<del>1830-2000</del>	<del>Measure (some) bunch length vs number of bunches and total current to determine gas and Touschek scattering components</del>	<del>Borland, Xiang-Sun</del>	<del>Stored beam &amp; injection</del>
2000-2400	MOBO for lifetime, efficiency using 24 families	Kuklev, Borland, Emery	Stored beam & injection
Tuesday February 17S, 2025			
0000-0400	FOFB in S09	Carwardine	Stored beam & injection
0400-0600	SR set up	Emery Berkland	Stored beam & injection
0600-0800	Injector training/prepare for user beam	Ops	Stored beam & injection