

Machine Studies

Draft Schedule for Run02-7, 2026

July 13 0800 – July 15 0800

Time	Descriptions	Studiers	SR Status
Monday, July 13, 2025			
0800-0900	Orbit Response	Dick	Stored Beam and Injection
0900-1000	Reset transverse feedback amplifier #4	Weghorn	No Beam
0900-1300	LB+ autosave study/FOK scope adjustment	Grass	No Beam
0800-1300	Booster Direct RF FB testing	Berenc	No Injection
0830-1000	L5:AS1 measurement	Yawei	No Injection K5 off
0930-1030	Swap unipolar PS S33 cabinet 5	PS group	No Beam
1000-1100	Inspect I:S1	Wright/ Puttkammer	Access Zone F
1000-1100	S40C4 blower replacement	MOM group	Access Zone F
1000-1100	Switch linac timing from 119 MHz to 136 MHz (lasting ~ 28 hours)	Hong	Access Zone F
1000-1200	Reboot sioc2iramp and xbpm iocs	Shifu	No Beam
1000-1200	Reboot S36 soft iocs/adjust S36 drain voltage	DiMonte/RF group	No Beam
1000-1200	Install DC bus voltage monitor S40	Vargas	No Beam

1030-1230	Laser alignment	Dooling	Access Linac
1130-1300	Adjust S35DSID limit switch	Donnelly	Access Zone E
1100-1300	Test S10 bipolar PS firmware	Kreps	No Beam
1100-1300	Use PCB coils for magnet measurement	Wei	No Beam
1200-1600	RG1 last-chance optimization	Sun	No Beam
1300-1400	Recover BTS and SR magnets	Ops	Stored Beam and Injection
1600-1800	Operator training	Ops	Stored Beam and Injection
1800-2400	booster high charge	Calvey Mohsen	Stored Beam and Limited Injection
2330-2400	SR 48 bunch 130 mA check with BLS tuned for 130 mA	Emery	Stored Beam and Limited Injection
Tuesday, July 14, 2025			
0000-0300	Q1/Q2 hysteresis.	Chenran	Stored Beam and Injection
0300-0700	FOFB for testing 60 Hz suppression with 3 local systems. Can continue with decaying beam	Carwardine	Stored Beam and Injection
	PC gun		
0700-0730	Switch from RG2 to PC gun	Hong	No Beam
0730-1030	PC gun tests with 136 MHz	Sun Piot	No Beam
1030-1100	PC gun switch to RG2 with 136 MHz	Hong	No Beam

	LEA shielding		
1100-1200	LEA Beam Loss I	Wootton, HP	No Beam
1200-1300	Access LEA for shielding change	Wootton, HP	No Beam
1300-1400	LEA Beam Loss II	Wootton, HP	No Beam
1400-1430	Switch linac timing from 136 MHz to 119 MHz	Hong	No Beam
1430-1630	BTS quad offset	Chenran Puttkammer	Stored Beam and Injection
1630-1930	Turn-by-turn phase advance measurements for optics. Single bunch, TDP mode.	Sajaev	Stored Beam and Injection
1930-2100	Operator training	Ops	Stored Beam and Injection
2100-2400	low-beta lattice correction (flexible ending time)	Borland Sajaev Emery	Stored Beam and Injection
Wednesday, July 15, 2025			
0000-0300	More setup in general for 48 bunches: 1. Reduce IK setpoints with BTS trajectory and S:IS1 setpoints. 2. Check BLS “quenches” or instabilities during decay. 3. FF table for BLS tuning	Emery Dick	Stored beam & injection
0400-0600	Set up SR for 48 bunch operations + orbit response and chromaticity measurements	Dick	Stored beam & injection
0600-0800	Injector training/prepare for user beam	Ops	Stored beam & injection