

Machine Studies

Schedule for Run25-1, 2026

January 20th 0800 – January 27th, 0800

Time	Descriptions	Studiers	SR Status
Tuesday, January 27, 2026			
0000-0400	General machine start-up	Technical groups	No Stored Beam
0400-0800	General machine start-up	Technical groups	No Stored Beam
0800-0900	0.5 mA MPS validation with all SR RF systems	Ops	Stored Beam & Injection
0900-0900	Check MOFB 5 mA	Emery	Stored Beam & Injection
0900-1200	BM BPLD validations 5 mA	Bui, Shang, Smith	Stored Beam & Injection
1200-1400	Dimtel LFB/TFB timing checks 1 mA	Kallakuri	Stored Beam & Injection
1400-1600	S38 S40 collimator positioning using postmortems 5 mA	Borland	Stored Beam & Injection
1600	Setup BLS tuning for 200 mA before filling > 20 mA	Fuerst	Stored Beam & Injection
1600-2400	RF conditioning with beam with 216 bunches. All cavities running of course	Emery Ops	Stored Beam & Injection
2000-2400	LFB setup for 216 bunches	Kallakuri	Stored Beam & Injection
Wednesday, January 28, 2026			
0000-0800	RF conditioning with beam with 216 bunches. 200 mA	Ops	Stored Beam & Injection
0400-0800	Parasitic bunch length measurement with S37 fast scope	Cheng, Sun	Stored Beam & Injection

	Start of machine studies		
0800-1200	Booster chromaticity/dispersion	Calvey, Fors, Shang	No stored beam
0800-1200	M1/M2 MPS interface test. Need to condition S:M (whole ring) afterward	Paskvan, Kreps	No stored beam
1200-1400	HOM investigations for S36 temperatures around 84.5 deg F at 200 mA (previously done only at 130 mA last run)	Kallakuri, Emery	Stored Beam & Injection
1400-1600	LB+ spike removal testing	Cheng	Stored Beam & Injection
1600-1800	Operator training (day shift)	Ops	Stored Beam & Injection
1800-2000	Operator training (night shift)	Ops	Stored Beam & Injection
2000-2400	Orbit response and optics correction	Emery, Xu, Dick	Stored Beam & Injection

Thursday, January 29, 2026

0000-0400	Open		Stored Beam & Injection
0400-0800	Open		Stored Beam & Injection
0800-1200	PTB trajectory at high charge	Calvey, Cheng, Puttkammer, Mohsen	Stored Beam & No Injection
1200-2400	BLS quench investigations when beam is available	Fuerst, Kelly, Emery	Stored Beam & Injection
1600-1800	Operator training (day shift)	Ops	Stored Beam & Injection
1800-2000	Operator training (night shift)	Ops	Stored Beam & Injection
2000-2400	FOFB: checkout R5 in sector 09	Carwardine	Stored Beam & Injection

Friday, January 30, 2026

0000-0200	Evaluate several sextupole configurations	Borland, Emery	Stored Beam & Injection
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0200-0600	Open		
0600-0800	Operator training (day shift)	Ops	Stored Beam & Injection
0800-1000	Stored beam monitor tests with decay	Berkland Fystro	Stored Beam & Injection
1000-1400	PAR diagnostics checkouts. (Tune measurement, BDM, SLM)	Mohsen, Dooling	Stored Beam & No Injection
1400-1800	RG1 study	Yine	Stored Beam & Injection
1600-1800	Operator training (day shift)	Ops	Stored Beam & Injection
1800-2000	Operator training (night shift)	Ops	Stored Beam & Injection
2000-2400	FOFB: Orbit stability data with anti-aliasing filter	Carwardine	Stored Beam & Injection

Saturday, January 31, 2026

0000-0200	Evaluate several sextupole configurations	Borland, Emery	Stored Beam & Injection
0200-0600	Open		
0600-0800	Operator training (day shift)	Ops	Stored Beam & Injection
0800-1400	HOM search in sectors other than sector 36 <120 mA	Kallakuri, Emery	Stored Beam & No Injection
1400-1800	Measure the PAR bunch duration at high charge using the streak camera.	Dooling, Wootton, Lumpkin	Stored Beam & No Injection
1600-1800	Operator training (day shift)	Ops	Stored Beam & Injection
1800-2000	Operator training (night shift)	Ops	Stored Beam & Injection
2000-2400	Test minor loops for sextupoles using chromaticity measurements, for various loop sizes and speeds	Borland	Stored Beam & Injection

Sunday, February 1, 2026

0000-0200	Evaluate several sextupole configurations	Borland, Emery	Stored Beam & Injection
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