

Machine Studies

Schedule for Run02-1, 2021 (includes Pre-studies)

May 24th 0800 – June 2nd 0800

Time	Descriptions	Studiers	SR Status
Monday, May 24, 2021 (Pre-Studies)			
0700-0900	MPS validations	Smith/OPS	Stored beam & injection
0900-0000	Conditioning with beam (24 singlets)	OPS	Stored beam & injection
~1500	Pinhole camera initial set-up (current above 50 mA) parallel to RF conditioning w/beam	Yang	Stored beam & injection
~1700	BPM checkout (parallel to RF conditioning w/beam)	Sereno	Stored beam & injection
Tuesday, May 25, 2021			
0000-0800	Conditioning with beam (24 singlets)	OPS	Stored beam & injection
<i>0800-1300</i>	<i>(Added) Conditioning with beam (24 singlets)</i>	<i>OPS</i>	<i>Stored beam & injection</i>
1300-1700	BPLD Validations	Hahne	Stored beam & injection
1700-1900	X-BPM Sanity Check	Hahne	Stored beam & injection
1900-2400	Lattice set-up	Xiao Sajaev	Stored beam & injection
2000-2400	Orbit recovery	Yipeng Sun	Stored beam & injection
Wednesday, May 26, 2021			
0000-0100	Lattice set-up	Xiao Sajaev	Stored beam & injection
0000-0100	Orbit recovery	Yipeng Sun	Stored beam & injection
0100-0700	HEX/CPU checkout	OPS/Xiao	Stored beam & injection

			injection
0700-1000	Check and scan SR BPM singleTurn timing	Yao	Stored beam & injection
1000-1700	Accumulation limit as a benchmark of performance (hybrid setup)	Xiao	Stored beam & injection
1000-1700	Orbit recovery	Yipeng Sun	Stored beam & injection
1700-2100	Setup Dimtel boxes	Emery	Stored beam & injection
2100-2400	IEX/CPU checkout	OPS/Xiao	Stored beam & injection
Thursday, May 27, 2021			
0000-0400	IEX/CPU checkout	OPS/Xiao	Stored beam & injection
0400-0800	Open		
0800-1000	HET rad survey	Henry	Access Booster/ Stored Beam SR
0800-1100	Linac interleaving trigger validation	Pietryla	No Injection
0800-1100	Check 09ID PSS connection to PS2 shutter	Belcher	Zone B Access
1100-1200	Recover Booster/SR (324 fill)	OPS	Limited Injection
1200-1700	Booster cavity phasing/voltage verification	Calvey/RF group	Limited injection
1700-2100	Tune up RG2 beam (with RG1 alpha magnet off)	Yine Sun, Fystro	Stored beam
1200-2100	IEX/CPU correction	Xiao	Stored beam
2100-2400	Open		
Friday, May 28, 2021			
0000-0800	Open		
0800-1100	BTS measurement	Xiao/Shang	No Injection
0800-1100	Investigation of RF5	RF group	No beam
1100-1700	6 GeV beam instability benchmarking	Emery	Stored beam & injection
1700-2400	Top-up verification (24 singlets,gaps closed, all controllaws running)	OPS	Stored beam & injection
1700-2300	Stored beam & injectionDoolingTest Interleaving mode with top-up running	Dooling	Stored beam & injection

1700-2400	Sector 35 gas injection HP surveys	Calvey/Hoyt/Heyek	Stored beam & injection
Saturday, May 29, 2021			
0000-0100	Sector 35 gas injection HP surveys	Calvey/Hoyt/Heyek	Stored beam & injection
0000-0600	Top-up verification (24 singlets, gaps closed, all controllaws running)	OPS	Stored beam & injection
0600-1000	Various study	Xiao	Stored beam & injection
1000-1600	6 GeV beam instability benchmarking	Emery	Stored beam & injection
1600-2000	Sector 27 orbit feedback studies - test new controllers for 3x12 irm	Sereno, et al	Stored beam & injection
2000-2400	Put back BPMs to XRDP/DP	Sereno	Stored beam & injection
Sunday, May 30, 2021			
0000-0800	Open		
0800-1400	Test Booster chrom correction	Yao/Shang	Stored beam
1400-1600	Booster tune-up	Calvey	Limited injection
1600-1800	Examine why 180 phase shift is required in the FIR for 6 GeV operation	Emery	Stored beam & injection
1800-2200	6 GeV optimize kickers	Emery	Stored beam & injection
2200-2400	Open		
Monday, May 31, 2021			
0000-0600	Open		
0600-1000	Final Lattice Setup	Xiao	Stored beam & injection
1000-1400	Low alpha lattice	Yipeng Sun, Huang	Stored beam & injection
1400-1800	Sextupole optimization	Emery/Huang/Shang	Stored beam & injection
1800-2400	Open		
1800-2400	Top-up verification (24 singlets, gaps closed, all controllaws running)	OPS	Stored beam & injection
1800-2400	Test Interleaving mode with top-up running	Dooling	Stored beam & injection

Tuesday, June 1, 2021			
0000-0800	Top-up verification (24 singlets,gaps closed, all controllaws running)	OPS	Stored beam & injection
0800-1200	Final set-up of bunch purity monitor and pinhole camera	Yang	Stored beam & injection
1200-1600	Final Lattice setup	Xiao	Stored beam & injection
1200-1600	Final orbit set-up	Yipeng Sun	Stored beam & injection
1600-1800	Bunch purity checkout	Yipeng Sun, Harkay	Stored beam & injection
1800-2000	Abort kicker checkout	Xiao/Harkay	Stored beam & injection
2000-2400	Open		
Wednesday, June 2 2021			
0000-0630	Open		
0630-0800	Prepare for User beam	OPS	Stored beam & injection