

Machine Studies

Schedule for Run02-10, 2020

September 9th 0800 – September 14th 0800

Time	Descriptions	Studiers	SR Status
Wednesday, September 9, 2020			
0800-1400	BPLD validations and BPM checkout	Sereno	Stored Beam & Injection
1400-1800	X-ray BPM sanity check	Sereno	Stored Beam & Injection
1800-2200	Set up ID25 canted orbit and Injection improvement	Emery	Stored Beam & Injection
2200-2400	Lattice setup	Xiao	Stored Beam & Injection
Thursday, September 10, 2020			
0000-0200	Lattice setup	Xiao	Stored Beam & Injection
0200-0600	Orbit recovery	Y.P. Sun	Stored Beam & Injection
0600-1130	S25 GRID xBPM studies	Sereno et. al.	Stored Beam & Injection
1100-1200	Prepare for Tunnel Accesses	OPS	No Beam
1100-1400	Troubleshoot S25C:H1 and C:V1	Wang	No Beam
1130-1330	Switch pump 517 for motor repairs (P.S. S17 through 20 set to 0)	Wright	No Beam
1200-1430	Replace thermocouple on S36 Cav3 upstream cavity cover thermocouple	RF Group	Controlled Access Zone F
1200-1430	Troubleshoot/replace IK3 blower	Wright	Controlled Access Zone F
1300-1400	Switch back to the primary Klystron pump	Dench	No injection
1300-1400	Guided APS tunnel tour	S. Streiffer	Authorized Access Zone A
1430-1530	Prepare for SR Injection	OPS	Stored Beam & Injection

1530-1700	SR Operator training (15-23)	Grodecki/ Berkland	Stored Beam & Injection
1700-2100	ID4 aperture measurement	Emery	Stored Beam & Injection
2100-2400	Vertical scraper for lifetime reference	Emery	Stored Beam & Injection
Friday, September 11, 2020			
0000-0100	Vertical scraper for lifetime reference	Emery	Stored Beam & Injection
0100-0700	CPU/IEX checkout	Xiao	Limited Injection
0100-0700	RG1 commissioning	Y.E. Sun	Limited Injection
0700-1100	Beam arrival time detector calibration in BTS	Sereno et. al.	Limited Injection
1100-1700	6 GeV measurement of instabilities	Emery/ Lindberg	Stored Beam & Injection
1700-2100	6 GeV ID corrector feed-forward re- measurement	Emery	Stored Beam & Injection
2100-2300	SR Operator training (15-23)	Grodecki/ Berkland	Stored Beam & Injection
2300-2400	Booster momentum offset variation setup and emittance measurement in BTS	Harkay	Booster Beam
Saturday, September 12, 2020			
0000-0500	Booster momentum offset variation setup and emittance measurement in BTS	Harkay	Booster Beam
0500-0700	Booster chrom correction test	Yao/Shang	Booster Beam
0700-1100	Beam feedback setup	Yao	Stored Beam & Injection
1100-1500	Sextupole offset measurement	Sajaev	Stored Beam & Injection
1500-1600	Turn-by-turn BPM data with low chromaticity	Huang/Sajaev/ Y.P. Sun	Stored Beam & Injection
1600-2000	Response matrix measurement	Y.P. Sun	Stored Beam & Injection
2000-2200	SR Operator training (11-23)	Grodecki/ Berkland	Stored Beam & Injection
2200-2400	Topup validation	OPS	Stored Beam & Injection

Sunday, September 13, 2020

0000-0800	Topup validation	OPS	Stored Beam & Injection
0800-1200	Pinhole camera and bunch purity setup	Yang/Harkay	Stored Beam & Injection
1200-1600	Final lattice setup	Xiao	Stored Beam & Injection
1600-2000	Final orbit setup	Y.P. Sun	Stored Beam & Injection
2000-2200	SR Operator training (11-23)	Grodecki/ Berkland	Stored Beam & Injection
2200-2400	Abort kicker checkout	Harkay	Stored Beam & Injection

Monday, September 14, 2020

0000-0600	HOM search, Try H-plane feedback	Emery/ Kallakuri	Stored Beam & Injection
0600-0800	Prepare for user Operations (24 singlets – Top-Up)	Ops	Stored Beam & Injection