



Machine Studies

Draft Schedule for Run03-5, 2016

October 31st 0800 – November 2nd 0800

Time	Descriptions	Studiers	SR Status
Monday, October 31, 2016			
0800-0810	Collect XBPM orbit data	OPS	Stored Beam & Injection
0810-0930	Gap scans	Schroeder	Stored
0930-1030	Condition (force condition dipole, quads, sextupoles) and refill SR with kicker settings from before 10/24 beam loss	Schroeder	Stored Beam & Injection
1030-1130	Waveguide switch to RF-2	RF Group	No Beam
1030-1230	test fix for RTFB set point while datapool is running	Emery, Fors, Shifu	No beam
1030-1130	Update Linac modulator pump controller	Wright	No Injection
1030-1200	Investigate IS1 & IS2 on/off function	Goetzen	No Beam
1030-1130	Switch to primary pumps 513 & 524 (affects S15&16, S25&26) P.S. set to zero	Wright	No Beam
1030-1230	Swap sextupole converters Zone E	Ackley	No Beam
1030-1230	Investigate S40B:V4 PS	Vargas	No Beam
1030-1230	Troubleshoot S6C:H1 readback	Jordan	No Beam
1230-1300	Recover SR	OPS	Stored Beam &

			injection
1300-1600	Investigate injection efficiency problems	Sajaev, Emery	Stored beam & injection
1600-2000	Set-up hybrid lattice	Sajaev	Stored beam & injection
1600-1800	Set up P0 feedback for hybrid (parallel to lattice set-up)	Yao	Stored beam & injection
2000-2400	Orbit switch	Xiao	Stored beam & injection
Tuesday, November 1, 2016			
0000-0400	Studies TBD	Xiao	Stored beam & injection
0400-0700	Measuring beam loss similar to ACIS/PSS trips	Harkay, Dooling	Stored beam & injection
0700-0800	Measure fields when SCU6 is quenched with heater	Emery	Stored beam & injection
0800-0900	Finish some details of ID6 aperture scan	Emery	Stored beam & injection
0900-1300	set up a 6 GeV lattice for measuring HOMs	Emery, Sajaev, Yao	Stored beam & Injection
1300-1500	test steering setup for BTX kicker deflection measurement	Yao	No injection
1500-1900	sector 27 integrated beam stability studies	Sereno, et al	Stored beam & Occ. injection
1500-1900	configure Booster new BPMs and orbit response measurement	CY Yao, T. Pietryla, H. Shang	Occasional injection possible
1900-2300	6 ID GRID Xray bpm studies	Sereno, Yang	Stored beam &

			injection
2300-2400	Booster injection studies	Calvey	Booster beam
	Wednesday, November 2, 2016		
0000-0100	Booster injection studies (continued)	Calvey	Booster beam
0100-0300	SCU1 perturbation correction	Emery	Stored beam & injection
0300-0700	Smith predictor in Datapool test	Emery	Stored beam & injection
0700-0800	Prepare for User beam	OPS	Stored Beam & Injection