

Machine Studies

Schedule for Run02-1, 2009

May 20th 0800 – May 27th 0800

Time	Descriptions	Studiers	SR Status
Wednesday 05/20/09			
0800-1400	Initial bpm system checkout	Decker	Stored Beam & Occ. Inj.
0800-1000	PAR/Booster training	Thomas	Limited Injection
1000-1200	Linac studies	Pasky	Limited Injection
1200-1400	Restore and set up Booster tune measurement system	Yao	Limited Injection
1400-2000	BPLD Validations	Bui	Stored Beam & Inj.
2000-2400	PEM/script testing	OPS	Stored Beam & Occ. Inj.
Thursday 05/21/09			
0000-0200	OPEN		
0200-0400	PAR/Booster training	Weyer	Limited Injection
0400-0600	SR training	Karl	Stored Beam & Injection
0600-0800	Set up gain for SR bunch current monitor (24 singlets)	Yao, Lenkszus Gold	Stored beam & injection
0800-1100	Test SR Tune measurement system with BPM signal	Yao, Gold	Stored beam & occ. injection
1100-1200	Bldg. 420 RF Waveguide Switch & RF1 MPS validation	Marty Smith, RF Group,	No beam
1200-1800	XBPM checkout 100 mA top-up	Decker	Stored beam & injection
1800-2400	Orbit recovery 100 mA top-up	Sajaev	Stored beam & injection
Friday 05/22/09			
0000-0400	Test new sextupole configuration	Sajaev	Stored beam & inj.
0400-0530	PAR/Booster training	Weyer	Limited Injection

0530-0700	SR training	Karl	Stored Beam & Injection
0700-0800	Bring down equipment for SR Zone F Access and switch to degassifier recirculation	OPS	No beam
0800-1130	Replace RF cavity tuner bellows thermocouples and IR detectors	Morrison, Bromberek	Zone F Access
0800-1200	PSS shutter tests	SI Group	No Beam
0800-1200	Test PAR bunch cleaning with replaced amplifiers	Yao, Gold	No injection
1200-1800	Measure bunch-by-bunch tune for transversely unstable beam, operational bunch patterns	Harkay, Yao, Chae	Stored beam & injection
1800-2200	Pinhole camera, bunch purity monitor recommissioning	Yang	Stored beam & injection
2200-2300	PAR/Booster training	Thomas	Limited Injection
2200-2400	CPU check-up	Xiao	Stored beam & Occ. inj.
Saturday 05/23/09			
0000-0400	CPU check-up (continued)	Xiao	Stored beam & occ. injection
0400-0800	OPEN		
0800-1200	Measure beam threshold with and without vertical loop	Sajaev, Yao	Stored beam & inj.
1600-2100	OPEN		
2100-2300	PAR/Booster training	Thomas	Limited Injection
2300-2400	OPEN		
Sunday 05/24/09			
0000-0800	OPEN		
0800-1400	CPU Check-up	Xiao	Stored beam & Occ. inj.
1400-2100	OPEN		
2100-2300	PAR/Booster training	Thomas	Limited Injection
2300-2400	Top-up Operational Check	OPS	Stored beam & inj.
Monday 05/25/09			

0000-1200	Top-up Operational Check	OPS	
1000-2000	OPEN		
2000-2200	PAR/Booster training	Thomas	Limited Injection
2200-2400	Switch orbit to lattice with new sextupole configuration	Sajaev	Stored beam & Injection
Tuesday 05/26/09			
0000-0200	Switch orbit to lattice with new sextupole configuration	Sajaev	Stored beam & Injection
0200-0600	Measure and correct beta functions	Sajaev, Xiao	Stored beam & injection
0600-1200	BPM studies, 24 singlets top-up	Decker, Lill	Stored beam & injection
1200-1300	PAR/Booster training	Weyer	Limited injection
1200-1300	Bldg. 420 RF Waveguide switch	RF Group	No beam
1300-1400	SR training	Karl	Stored beam & Inj.
1400-1800	compare different amplitude control modules of PAR harmonic RF system	Yao, Grelick	Limited injection
1400-2000	Measurements of HOM spectra with operational bunch patterns	Harkay, Berenc	Stored beam & Occ. Injection
2000-2400	Bunch pattern study for 200 mA, HOM damper and vertical scraper heating limits; alternate bunch patterns. (will only be using 100mA for this study)	Harkay	Stored beam & inj.
Wednesday 05/27/09			
0000-0600	OPEN		
0600-0800	Prepare for user Operations (24 singlets – Top-Up)	Ops	Stored Beam & Injection