

Machine Studies

Schedule for Run01-1, 2007

January 22nd 0800 – January 29th 0800

Time	Descriptions	Studiers	SR Status
Tuesday, 1/22/08			
0800-1000	BM Photon BPM commissioning	Hahne	Stored beam & Occ. Inj.
0800-1000	Linac Operator Training	Fystro	Limited Inj.
1000-1400	Pinhole camera commissioning (>40mA)	Yang	Stored beam
1000-1200	Linac Operator Training	Karl	Occ. Inj. possible
1200-1400	PAR Operator Training	Jones, Yao, Sereno, Pasky	Limited Inj.
1400-1800	Preliminary BPM checkout	Decker/Schroeder	Stored beam & Occ. Inj.
1400-1800	BPLD Validations	Bui	Stored beam & Inj.
1800-2100	CPU checkout DC Mode	Emery, Xiao	Stored beam & Inj.
2100-2400	BPM Offset measurements	OPS	Stored beam & Inj.
Wednesday, 1/23/08			
0000-0700	BPM Offset measurements	OPS	Stored beam & Inj.
0700-0900	Operator Training	Fystro	Limited Injection
0700-0800	Investigate RMS motion readbacks (may require reboot of IOCS40fb)	Lenkszus	Limited impact
0800-0900	Verify 11-ID and 12-ID User control of device	M. Smith	No impact
0900-1500	Initial Orbit Recovery (Top-up)	Decker, Emery, Sajaev	Stored beam & Inj.
1300-1500	Calibrate new B-A phase system (phase adjustment readback may be periodically unavailable) (Top-Up)	RF Group	Stored beam & Inj.
1100-1500	Booster Tune Measurements	Yao	Booster Inj. needed No SR impact
1500-1900	PAR 12 th Harmonic Checkout	Yao, T.Smith	

1900-2100	Beam loss monitor test (pinger on, tune adjustment available)	Yao	Stored Beam & Inj.
2100-2400	Verify injection to 16mA in single bunch	Sajaev, Emery	Stored beam & Inj.
Thursday, 1/24/08			
0000-0100	Verify injection to 16mA in single bunch	Sajaev, Emery	Stored beam & Inj.
0100-0700	Measure and correct Beta functions and test LOCO program	Sajaev	Stored beam & Inj.
0700-0900	Operator training	Karl	Limited Inj.
0800-1200	Investigate B-A phase out of range problem/waveguide switch	RF Group	No Beam
0800-0830	Switch pump 508 to 507 and pump 512-511	MOM Group	No impact
0800-1200	Tune control loop for new temperature control valve in process water system P-SR-08	Swetin	No Impact on scheduled studies
0800-0900	Prepare for Access	OPS	No Beam
0800-1200	PSS shutter checkouts	SI group	No Beam
0900-1100	Investigate/repair 24-ID PS1 shutter limit switches	SI group/MOM Group	Access Zone E
1000-1200	Test Bunch cleaning software & set-up bunch cleaning	Yao	Limited injection
1100-1200	Recover from Access	OPS	No beam
1200-1600	Shielding verification 16-ID (requires shutter permit – 1 hr 10-20mA 3 hrs 30-50mA)	Ramanathan, Ops	Stored beam & Occasional Inj.
1300-1500	Booster Training	Jones, Yao, Sereno, Pasky	No injection
1500-1800	Linac PEM tool testing	Pasky	No injection
1600-1800	SR script/PEM testing	Schroeder	Stored beam & Occ. Inj.
1800-2100	Test conditioning validity PV	Emery, Xu	No Beam
2100-2400	CPU Checkout AC Mode	Emery, Xiao	Stored beam
Friday, 1/25/08			
0000-0630	BPM Offset Measurements	OPS	Stored beam & Inj.

0630-0730	Prepare for SR Access	OPS	No beam
0700-0900	Linac Operator training	Fystro	Limited injection
0730-0800	SR Access to investigate/repair possible water leak at S33B:Q4	Bechtold, Puttkammer	Zone E Access
0900-1500	Intermediate orbit recovery	Decker, Emery, Sajaev	Stored beam & Inj.
1500-1800	ID Gap Feedforward to Get Corrector Setpoints	Emery, Schroeder	Stored beam & Inj.
1800-2400	Multibunch Instability studies	Harkay	Stored beam & Injection
Saturday, 1/26/08			
0000-0100	Multibunch Instability studies	Harkay	Stored beam & Injection
0600-1700	Vibrating Wire Monitor Test	Decker	Stored beam & Inj.
1100-1500	Investigate L5 RF	RF Group	Limited injection
1700-2100	32-ID beamline optics alignment (shutter permit needed – possibly top-up)	Jin Wang, OPS	Stored beam & Inj.
2100-2400	OPEN		
Sunday 1/27/08			
0000-0900	Operational Top-Up	Ops	Stored beam & Inj.
0900-1600	Alternate hybrid study with 32-ID	Harkay, 32-ID	Stored beam & Inj.
1600-2200	ID Photon BPM feedforward comissioning (top-up shutters closed)	Decker	Stored beam & Inj.
2200-2400	Set-up Bunch Purity measurements and Final Pinhole Camera Set-up	Yang	Stored beam & Inj.
Monday 1/28/08			
0000-0200	Set-up Bunch Purity measurements and Final Pinhole Camera Set-up	Yang	Stored beam & Inj.
0200-0700	Operational Top-Up	OPS	Stored Beam & Inj.
0700-0900	Linac Operator Training	Karl	Limited Injection
0800-0900	RF waveguide switch	RF group	No beam

0830-1030	SR Operator Training	Schroeder, Sereno, Pasky	Stored Beam & Injection.
1100-1700	Alignment studies with 10ID, 11BM, 11ID (24 singlets, Top-Up, shutter permit needed)	Decker, Emery	Stored beam & Inj.
1700-2000	CPU Correction	Emery, Xiao	Stored beam & inj.
2000-2400	Test alternative hybrid with lower S1 sextupoles	Harkay, Emery, Sajaev	Stored beam & inj.
Tuesday 1/29/08			
0000-0100	Test alternative hybrid with lower S1 sextupoles	Harkay, Emery, Sajaev	Stored beam & inj.
0100-0400	Measure SR Model	Sajaev	Stored beam & Inj.
0530-0600	Switch backup bunch current monitor to primary bunch current monitor (no top-up)	Lenkszus	Stored beam (No impact)
0600-0800	Prepare for user Operations (24 singlets – Top-Up)	Ops	Stored Beam & Injection