

Machine Studies

Schedule for Run02-1, 2005

May 24th, 0800 - June 1st, 0800

Time	Descriptions	Studios	SRStatus
Tuesday, 5/24/05			
0800-1200	BPLD validations	Pietryla, Bui	Stored Beam & Inj
1200-1400	PAR training (0700-1500)	S. Flood	Limited Injection
1200-1230	Test new CPU trigger (parasitic to XBPM tests)	M. Smith	No impact
1200-1600	XBPM tests	Hahne	Stored Beam & Occ. Inj.
1600-2000	Orbit Recovery #1	Singh	Stored Beam & Inj.
2000-2400	Timing scan, BPM database	Singh	Stored Beam & Inj.
Wednesday, 5/25/05			
2400-0800	ID feedforward Xbpm shift	Decker	Stored beam & Occ.Inj.
0800-1000	SR training (0700-1500)	Grodecki	Stored Beam & Inj.
1000-1200	PAR training (0700-1500)	S. Flood	Limited Injection
1000-1200	Normal start-up testing of S35 pinhole camera, 35ID & bunch purity system (day-shift when EPS & PSS staff available)	Lumpkin, Yang	Stored Beam & Occ. Injection
1200-1230	Swap out DAC cards for S9A:H3:PS	PS Group	No beam

Time	Descriptions	Studiers	SRStatus
1230-1530	Beta function measurement and correction for 24 singlets	Sajaev	Stored Beam & Occ. Inj.
1530-2130	Single Bunch instability threshold	Harkay, Guo, Yang	Stored Beam & Inj.
2130-2300	SR training (2100-2300)	D. Gagliano	Stored Beam & Inj.
2300-2400	Condition with Hybrid fill	OPS	Stored beam & Inj.
Thursday, 5/26/05			
2400-0500	Condition with Hybrid fill	OPS	Stored beam & Inj.
0500-0900	Beta function measurements and correction for 12 mA hybrid	Sajaev	Stored Beam & Inj.
0900-1300	Lower energy test - establish lattice	Sajaev, Emery	Stored Beam & Inj.
1300-1500	Check RTFB forward for topup closed orbit transient	Emery	Stored beam
1500-1700	Check tune variation when operating CPU in DC Mode	Emery	Stored beam
1600-2200	ODR Studies at 7 GEV (may not need last two hours)	Lumpkin	Limited Inj.
1700-2100	RTFB tests	Singh	Stored Beam
2200-2400	Custom Beta function studies	Borland	Stored Beam & Inj.
Friday, 5/27/05			
2400-0200	Custom Beta function studies	Borland	Stored Beam & Inj.
0200-0300	SR set up for subsequent study	OPS	Stored Beam & Inj.
0300-0630	BM xbpm alignment	Hahne, Roberts	Stored beam
0700-0730	Prepare for Zone F Access	OPS	No beam

Time	Descriptions	Studiers	SRStatus
0730-0830	Repair/replace S40:IK4 thermocouple	Morrison	Zone F Access
0800-1600	PSS/EPS Validations		No beam
0800-1000	PAR training (0700-1500)	S. Flood	Limited Inj.
0800-1000	Install new FBM100 modules in S40 Cavity system (Zone F Secure by 0900)	DiMonte/Cherbak	No beam
0830-0900	Zone F secure	OPS	No beam
0900-1200	Calibration of ID rotary encoders	Grimmer	No beam
1000-1200	Troubleshoot S38 Cavity Ion Gauge	Hoyt	No beam
1000-1400	Waveguide Switch to 3&4 MPS validate	RF Group/Koldenhoven	
1000-1200	Linac Training (0700-1500)	Poncin	Limited Inj.
1000-1400	Set up new phase and amplitude circuits for RF12 control loops	T. Smith	Limited Inj.
1000-1200	PTB MPEOB test	PS Group	No beam
1200-1600	Test and commissioning of L2:CTR and L3:CTR monitors	Lumpkin	Limited Inj.
1600-1800	Check kicker timing and waveform	Emery	Stored Beam & Inj.
1800-2200	Investigate Injection efficiency/first turn trajectory/BTS optics	Emery	Stored beam & inj.
2200-2400	Check coupling correction during AC mode operation	Emery	Stored beam
Saturday, 5/28/05			
2400-0200	Check coupling correction during AC mode operation	Emery	Stored beam
0200-0600	Single bunch instability	Harkay	Stored Beam & Inj.
0600-0800	SR training (2300-1100)	D. Gagliano	Stored Beam & Injection
0800-1600	ID Feedforward Xbpm shift (#2)	Decker	Stored beam & Occ.Inj.

Time	Descriptions	Studiers	SRStatus
1600-2000	Beta function measurement and correction and BPM gain correction	Sajaev	Stored Beam & Injection
2000-2400	Dynamic aperature study	Sajaev	Stored Beam & Injection
Sunday, 5/29/05			
0300-0500	SR training	D. Gagliano	Stored Beam & Injection
0730-0800	Prepare for Zone A Access	OPS	No beam
0800-0900	Repair 3-ID Encoder (Controlled Access)	Grimmer	Zone A Access
0900-0930	Recover from access	OPS	No beam
1200-1500	Bunch cleaning test	Yao, Grelick	Stored Beam & Injection
1500-1800	RF12Cavity beam loading study	Yao, Yang	Limited Inj.
1800-2400	Custom Beta function studies	Borland	Stored Beam & Inj.
Monday, 5/30/05			
0000-0200	Open		
0200-0400	SR training (2300-0700)	D. Gagliano	Stored Beam & Inj.
0700-0900	SR training (0700-1500)	Grodecki	Stored Beam & Inj.
0900-1300	Top-up monitor tests	Bui	Stored Beam & Inj.
0900-1300	Collect AC data	Sun	Stored Beam & Inj.
1300-1700	Investigate high AC level noise in hybrid mode	Singh/Sun	Stored Beam & Inj.
1700-2300	mpbpm timing database	Singh	Stored beam & Inj.
2300-2400	Vertical kick and short pulse study	Harkay, Guo, Yang	Stored Beam & Inj.

Time	Descriptions	Studiers	SRStatus
Tuesday, 5/31/05			
0000-0500	Vertical kick and short pulse study	Harkay, Guo, Yang	Stored Beam & Inj.
0500-0900	Check regular steering software that uses the 3rd datapool run control	Emery	Stored Beam & Inj.
0900-1100	SR training (0700-1500)	Grodecki	Stored Beam & Inj.
1100-1500	26-ID Shielding verification	Ramanatha n	Stored Beam & Occ. Inj.
1200-1445	Restore old PAR bunch cleaning system (if needed) (verify start with MCR)	Yoder	No PAR beam
1200-1445	Restore PAR RF12 hardware (if needed) (verify start with MCR)	T. Smith	No PAR beam
1100-1300	Linac training	Poncin	Limited Injection
1500-2100	Low Energy test #2	Emery, Sajaev	Stored Beam & Inj.
2100-2300	Check RTFB feedforward orbit compensa- tion	Emery	Stored Beam
2300-2400	RTFB tests	Singh/ Decker	Stored Beam & Inj.
Wednesday, 6/1/05			
0000-0300	RTFB tests	Singh/ Decker	Stored Beam & Inj.
0300-0700	Collect FF data and orbit checks for 24 bunch (last hour does not need injection)	Singh/ Decker	Stored Beam & Inj.
0700-0800	Ready for 0+24 singlet fill pattern, Top-Up	OPS	Stored Beam & Inj.