Machine Studies

Schedule for Run02-1, 2006

May 23rd 0800 - May 30th 0800

Time	Descriptions	Studiers	SRStatus
	Tuesday, 5/23/06		
0800-0830	SR RF Waveguide Switch	RF Group	No beam
0800-0900	Booster switchgear repair	PFS	No beam
0800-0900	Reboot SR VP IOCs	Quock	Limited Injection
0800-1000	Final verification of Linac arc detector	Grelick	No Injection
0800-1100	Test RF1 PLC logic	Horan	No Beam
0830-0900	RF2 MPS Validation	RF Group/ M. Smith	No Beam
0900-1100	PAR RF gain balancing	Grelick	No Injection
1100-1300	RF BPM tests.	Erwin	Stored beam
1100-1300	Linac PEM upgrade. Parallel to RF BPM tests.	Pasky Soli-day	Limited SR injection
1300-1700	Optimize injection.	Emery Sajaev	Stored beam & injection
1700-2100	SR BPM system tests.	Singh	Stored beam
1700-2100	BTS emittance and OTR/ODR experi-ments.	Sereno	Limited SR injection
2100-2300	Test new booster injection controllaw.	Sereno	Stored beam & injection
2300-2400	Correct beta functions.	Sajaev	Stored beam & injection
	Wednesday, 5/24/06		
0000-0300	Correct beta functions (continued).	Sajaev	Stored beam & injection
0300-0500	SR training.	S. Flood	Stored beam & injection

Time	Descriptions	Studiers	SRStatus
0500-0700	OPEN		
0700-0900	RF1 cavity multipacting test.	Yao Chae	No injection
0830-0900	Connect new bunch current monitor Reboot of iocsrtune (no adjustments to bunch current monitor can be made until 1500)	Varotto/Lenkszus	No impact
0830-0900	420 RF Waveguide Switch	RF Group	No beam
0900-1100	BPLD alarm validation.	Bui Shang	Stored beam & injection
1100-1500	SR DC/AC orbit controllaw tests.	Singh Lenkszus Shang	Stored beam & injection
1100-1400	Check P0 feedback signal. Parallel to controllaw tets.	Yao	Stored beam
1430-1500	Connect old bunch current monitor & reboot of iocsrtune	Varotto/Lenkszus	No impact
1500-1900	BTS emittance and OTR/ODR experiments.	Sereno	Limited SR injection
1500-1900	Test BM xbpms.	Hahne	Stored beam
1900-2100	Test PAR harmonic rf tube amplifier.	Yao Grelick	Stored beam & injection
2100-2400	Measure P1 offsets.	Bui OPS	Stored beam & injection
	Thursday, 5/25/06		
0000-0300	Measure P1 offsets (continued).	Bui OPS	Stored beam & injection
0300-0500	SR training.	S Flood	Stored beam & injection
0500-0700	Collect rtfb data.	Sun	Stored beam & injection
0700-0900	Investigate P1/P0 rms.	Lenkszus Singh Sun	Stored beam & injection
0900-1100	PEM testing.	OPS	Stored Beam & Injection
1100-1500	Test S19 hard x-ray bpm. Shutter support required.	Singh Hahne Rosenbaum	Stored Beam & Injection

Time	Descriptions	Studiers	SRStatus
1500-1700	Install P1 offsets.	Bui	Stored Beam & Injection
1700-2100	Validate bplds.	Bui	Stored Beam & Injection
2100-2300	Booster training.	Poncin	Limited Injection
2300-2400	SR training.	S. Flood	Stored Beam & Injection
	Friday, 5/26/06		
0000-0100	SR training.	S. Flood	Limited Injection
0100-0400	Intra girder beam based measurements.	Emery	Stored Beam & Injection
0400-0800	ID xbpm tests.	Hahne	Stored Beam & Injection
0800-1600	PSS validations	SI group	No beam
0800-1600	Various 420 RF system studies/tests	RF Group	No beam
0800-0830	Prepare for Zone F Access	OPS/PFS	No beam
0830-0930	installing a different CPU board in iocinj-time	Lenkszus	No beam
0830-0930	Repair/replace RF cavity IR detector	Morrison	Zone F access
0900-1030	Document the configuration for the new septum regulators if Booster & SR (Septums off)	Hillman/ Puttkammer	No injection
1600-1800	Booster training.	Poncin	Limited Injection
1800-2200	PAR fundamental phase modulation.	Yao Grelick	Stored Beam & Injection
2200-2400	Characterize new sextupoles.	Sajaev	Stored Beam & Injection
	Saturday, 5/27/06		
0000-0200	Characterize new sextupoles (continued).	Sajaev	Stored Beam & Injection

Time	Descriptions	Studiers	SRStatus
0200-0800	Optimize vertical kick for high intensity.	Harkay	Stored Beam & Injection
0800-1000	Collect FF data.	Singh	Stored Beam & Injection
1000-1400	Investigate P1/P0 rms.	Singh Sun	Stored Beam & Injection
1400-1600	Collect hybrid fill intensity.	Sun	Stored Beam & Injection
1600-2200	Orbit recovery.	Singh	Stored Beam & Injection
1700-1900	Booster training.	Poncin	Limited Injection
2200-2400	OPEN		
	Sunday, 5/28/06		
0000-0400	OPEN		
0400-0600	Optimize vertical kick for high intensity.	Harkay	Stored Beam & Injection
0600-1000	set up pinhole camera and bunch purity monitor for the user run	Yang	Stored Beam & Occ. Inj.
1000-1400	Routine tests of SR PEM steering software	Emery	Stored Beam & Injection
1400-1800	Characterize each undulator effect on coupling and lifetime.	Emery	Stored Beam & Injection
1800-2000	Check encoders	Merritt	No Beam
1800-2000	Booster training.	Poncin	Limited Injection
2000-2400	Multibunch bursting instability investigation.	Harkay	Stored Beam & Injection
	Monday, 5/29/06		
0000-0200	Multibunch bursting instability investigation (continued).	Harkay	Stored Beam & Injection
0200-0700	OPEN		
0700-1100	Operational orbit controllaw test with topup	Singh	Stored beam & injection

Time	Descriptions	Studiers	SRStatus
1100-1500	Check out CPU compensation.	Emery	Stored Beam & Injection
1500-1900	BPM prototype software tests.	Emery Pietryla	Stored Beam & Injection
1900-2100	Setup PAR and bunch cleaning system.	Yao	Stored Beam & Injection
2100-2400	Checking encoders	Merritt	No beam
	Tuesday, 5/30/06		
0000-0100	Checking encoders	Merritt	No beam
0100-0500	HOM measurements.	Harkay	Stored Beam & Injection
0500-0630	OPEN		
0630-0800	Ready for TopUp 0+24*1	OPS	Store Beam & Injection