

Machine Studies

Draft Schedule for Run01-1, 2006

January 24th 0800 - January 31st 0800

Time	Descriptions	Studiers	SRStatus
Tuesday, 1/24/06			
0800-1200	sr dc/ac orbit control/configuration tests - stored beam > 80 mA	decker/ singh/lenks- zus/shang	Stored Beam
0800-1000	Operator training - PAR/Booster 0800-1500	Poncin	Limited Inj
1000-1200	Investigate B:BM ramp	P.S. Group/ Sereno	Inj. after 1st hour
1200-1400	Install arc detector at L4	Grelick	No Inj.
1200-1400	collect rtfb data	Xiang Sun	Stored Beam
1400-1600	Gather data on booster injection control-laws	Sereno	Injection possible
1400-2000	measure/install P1 bpm offsets; stored beam > 80 mA; injector reqd singh/bui	Singh/Bui	Stored Beam & Inj.
1600-2000	setup up par beam and bunch cleaning for operation	Yao	Stored Beam & Inj.
2000-2400	Validate bplds (id gaps are not be closed until this validation)	Bui	Stored Beam & Inj.
Wednesday, 1/25/06			
0000-0400	Open		
0400-1000	id xbpms tests (id gaps closed)	hahne	Stored Beam & Occ. Inj.
0400-0800	Test linac phase controllaws using a single response matrix	Sereno	Occ. Inj. possible
0600-1000	Test new bunch current monitor	Lenkszus, Varrotto	Stored Beam

Time	Descriptions	Studiers	SRStatus
0800-0900	Investigate problem with PAR Fundamental #1	Smith	No injection
0900-1000	Operator training - PAR/Booster 0700-1500	Poncin	Limited Inj.
1000-1600	orbit recovery w/o new timing scan (1st to fill 324 bunch and then 24 bunch)	singh/decker	Stored Beam & Injection
1600-1800	scan and install mpbpm timing	singh/decker	Stored Beam & Injection
1800-2400	Establish lower energy limit for 100 mA store.	Borland/ Emery/ Harkay	Stored beam & Injection
Thursday, 1/26/06			
0000-0100	Check Septum leakage FF waveform	Emery	Stored beam & injection
0100-0300	set up orbit for P3/P4 bpm offsets measurement	Emery	Stored beam & injection
0300-0600	OPEN		
0600-1000	Id/bm xbpm alignment with stages	hahne/ diag for alignment	Stored beam & Occ. Inj.
1000-1200	Operator training - PAR/Booster 0700-1500	Poncin	Limited Inj
1000-1200	collect rtfb data data with new timing scan	xiang sun	stored beam
1000-1300	Commissioning of S35 diagnostics with stored beam (35-ID shutter permit needed) - Gap open	Yang, Lumpkin	Stored Beam
1300-1500	collect FF data; stored beam with 24 bunch pattern	Decker	Stored Beam
1300-1700	OTR and ODR tests at the BTX station.	Lumpkin, Yao, Sereno	Occ. Inj. Possible
1700-1900	Operator training - Storage Ring 1500-2300	S. Flood	Injection, No Stored Beam

Time	Descriptions	Studiers	SRStatus
1900-2300	Training - bpm offset measurement/ installation	singh/bui/erwin	Stored beam & Inj.
2300-2400	P3/P4 bpm offset measurement	ops/diag	Stored Beam & Occ. Inj.
Friday, 1/27/06			
0000-0700	P3/P4 bpm offset measurement	ops/diag	Stored Beam & Occ. Inj.
0700-0800	Dump beam & Prepare for Accesses	OPS	No beam
0730-1200	Install cover plates on SR Bake-out Skids (Utility aisle)	Dortwegt/Hoyt	No beam
0800-1130	Repair S35BP1 connection	Bui	Zone E Access
0800-1130	Investigate wiring/motor on xbpm stage 34IDP1X	Hahne	Zone E Access
0800-1200	PSS validations	SI group	No beam
0800-0900	Conditioning validity test.	Soliday/Emery	No beam
0800-0930	test the secondary ethernet fail over on iocfe19, iocfe20, iocid19, & iocid20.	M. Smith	No impact
0830-0900	Switch back to Main RF Source	Trento	No beam
0830-1000	Add additional windings to PAR RF Multipacting Coil	Putnam/Yao/Pasky	PAR Access
0830-0900	Troubleshoot meter and replace infrared thermometer read-out meter for coupler ceramic, S37 C1 upstream	Morrison	No beam
0830-0930	Investigate low flow indication on 16-ID FM2	Swetin	Zone B Access
0900-1000	Test PEM to add device to default configs	Shang/Emery/Schroeder	No beam
1000-1100	Test remote attenuation set by Bunch Train	Shang/Schroeder	No beam
0800-1000	Install arc detector at L4	Grelick	No inj

Time	Descriptions	Studiers	SRStatus
0800-1000	Record serial #'s for the EMI power supplies in L1 thru L6	Bromberek	No inj.
0900-1200	Make and test IOC changes for S21 canted undulator connection to CMPSI card	Fors, Lenks- zus	Fors, Lenks- zus
1000-1200	Various Linac testing	Pasky	No inj.
0900-1130	Install radiation detectors	Vacca, Ramanatha n	Zone A Access
0900-1130	Reset xbpn limits 5IDP2"Y" (-)	Hahne	Zone A Access
1200-1800	Tests of scraper 37 protection of ID4.	Borland, Emery, Harkay, Ramanatha n	Stored Beam & Inj.
1800-1900	Remove radiation detectors	Vacca, Ramanatha n	Zone A Access
1900-2100	Operator training - Storage Ring 1500-2300	S. Flood	Injection, No Stored Beam
2100-2400	id xbpn alignment- top up operation with 24 bunch	Decker	Stored Beam & Inj.
Saturday, 1/28/06			
0000-0300	id xbpn alignment- top up operation with 24 bunch	Decker	Stored beam & Inj.
0300-0700	Single bunch instability study	Harkay	Stored beam & inj.
0700-1100	Bunch length measurements	Sajaev	Stored beam & inj.
1100-1700	Test symetric Combo Lattice	Sajaev/Bor- land	Stored beam & Inj.

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1700-1900	Operator training - Storage Ring 1100-2300	S. Flood	Injection, No Stored Beam
1900-2300	S35B:P1 est, do offset measurement and validate.	Bui/Singh	Stored beam & Inj.
2300-2400	Operational Orbit control configuration tests-top up 24 bunch fill	Singh	Stored beam & Inj.
Sunday, 1/29/06			
0000-0200	operational orbit control configuration tests-top up 24 bunch fill	Singh	Stored beam & Inj.
0200-0600	BPM Offset measurements	OPS	Stored beam & Inj.
0600-1200	Synchrotron coupling, single bunch, S35 streak camera	Harkay, Yang, Guo	Stored beam & inj.
1200-1800	Characterize both PAR rf systems	Yao, T. smith	No injection
1800-2000	Operator training - Storage Ring 1100-2300	S. Flood	Injection, No Stored Beam
2000-2400	Establish method for ramping from 100mA lower limit to 7GEV with stored beam	Borland/Emery	Stored beam & Injection
Monday, 1/30/06			
0000-0300	Check booster and SR septum jitter and thermal effect.	Emery	Stored Beam & Inj.
0300-0600	Check Septum leakage FF waveform	Emery	Stored Beam & Inj.
0600-0900	Par current monitor studies	Pietryla, Yao, Lenkz-sus	No injection
0900-1100	Operator training - PAR/Booster 0700-1500	Poncin	Limited Inj.
1100-1700	hard x-ray bpm studies, with 19-ID, shutter permit needed (Must be Monday)	Decker	Stored beam & occ. inj.

Time	Descriptions	Studiers	SRStatus
1700-2100	OTR and ODR tests at the BTX station.#2	Lumpkin, Yao, Sereno	Occasional inj. possible
2100-2300	Operator training - Storage Ring 1500- 2300	S. Flood	Injection, No Stored Beam
2300-2400	beta function correction (must be after good orbit established	Sajaev	Stored beam & Inj.
Tuesday, 1/31/06			
0000-0200	beta function correction (must be after good orbit established	Sajaev	Stored beam & Inj.
0200-0600	Investigate methods for increasing verti- cal emittance without getting a tilt	Emery, Sajaev	Stored beam & Inj.
0600-0700	OPEN		
0700-0800	Ready for 0+24X1 fill pattern, low emit- tance, TopUp	OPS	Store Beam & Injection