

Machine Studies
Draft Schedule for Run02-1, 2007
May 22nd 0800 – May30th 0800

Time	Descriptions	Studiers	SR Status
	Tuesday, 5/22/07		
0800-1000	SR dc/ac orbit control/configuration tests (at least 30mA)	emery/ lenkszus/ shang	Stored Beam
1000-1400	Preliminary orbit recovery (102mA)	Emery	Stored Beam
1400-1800	mpbpm tests (at least 30mA)	Erwin/Keane	Stored beam
1800-2100	Preliminary setup of 35BM pinhole camera	Yang	Stored beam
2100-2400	Measure and correct beta functions	Sajaev	Stored beam & inj.
	Wednesday, 5/23/07		
0000-0100	Measure and correct beta functions	Sajaev	Stored beam & inj.
0100-0500	Measure sextupole offsets.	Sajaev	Stored beam & inj.
0500-0700	Test rms calculation software	Lenkszus	Stored beam
0700-0900	nbbpm tests (all gaps open)	Sun	Stored beam
0900-1100	bm xbpm tests (all gaps open)	Hahne	Stored beam
1100-1500	measure P1 bpm offsets; Validate BPLDs	Bui	Stored beam & Inj.
1500-1800	Setup corrector FF for datapool	Emery	Stored beam & inj.
1800-1900	Check CPU operation in DC and AC modes	Emery	Stored beam
1900-2400	LCLS	Pasky, Lill, Erwin	No injection
	Thursday, 5/24/07		
0000-0600	Run top-up – tune injectors	OPS	Stored beam & inj.
0600-1000	ID Xbpm tests	Hahne	Stored beam & Inj.
1000-1600	Tune slope measurement with reduced beta function	Sajaev	Stored beam & inj.
1600-2200	Test lattice for RF deflection	Emery/ Sajaev	Stored beam & Inj.
2200-2400	measure coherent damping in x- and y-plane as a function of chromaticity. (in connection with HOM damper design of deflecting cavity.	Emery	Stored beam & inj.
	Friday, 5/25/07		
0000-0100	measure coherent damping in x- and y-plane as a function of chromaticity.	Emery	Stored beam & inj.

0100-0600	OPEN		
0600-1200	LCLS testing	Pasky, Lill, Erwin	No injection
0800-1600	PSS validations / end to end tests	SI group	No Beam
0800-0900	Replace back-up RF source generator	Moser	No Beam
0800-0900	Replace RF2 TCU	Horan	No Beam
0900-1100	Waveguide switch	RF Group	No Beam
0800-1100	Access to repair RF Cav38 Cav#2 US thermocouple	Morrison	Zone F Access
1100-1200	MPS Validate RF3 & RF4	Arnold/Flood	No beam
1600-2000	Reference lattice work	Sajaev/Emery	Stored beam & inj.
2000-2400	Setup 16mA single bunch	Emery/Sajaev	Stored beam & inj.
	Saturday, 5/26/07		
0000-0200	Setup 16mA single bunch	Emery/Sajaev	Stored beam & inj.
0200-1400	OPEN		
1400-2000	Re-establish 35BM imaging of transient chirped single bunch using vertical pinger.	Harkay / Yang	Stored beam & injection
2000-2400	Measure growth rates of multibunch instabilities (standard bunch pattern)	Harkay	Stored beam & inj.
	Sunday 5/27/07		
0000-0200	Measure growth rates of multibunch instabilities (standard bunch pattern)	Harkay	Stored beam & inj.
0200-0800	OPEN		
0800-1600	orbit recovery 24 bunch top-up	Decker	Stored beam & Inj.
1600-2400	OPEN		
	Monday 5/28/07		
0000-1000	Top-up – injector tune-up	OPS	Stored beam &inj.
1000-1600	bpm tests	singh	Stored beam
1600-2400	Xbpm system checkout 24 bunch top-up	Decker	Stored beam & inj.
	Tuesday 5/29/07		
0000-0600	OPEN		
0600-1000	test new rms configuration	Lenkszus/	Stored beam

		singh	
1000-1400	xbpm orbit configuration tests	Singh	Stored beam
1400-1800	Set-up bunch purity monitor and 35BM pinhole camera for user run (24 singlets)	Yang	Stored beam & inj.
1800-2100	Characterize lattice	Emery/ Sajaev	Stored beam & inj.
2100-2400	Reference lattice work	Emery/ Sajaev	Stored beam & inj.
Wednesday 5/30/07			
000-0100	Reference lattice work	Emery/ Sajaev	Stored beam & inj.
0100-0400	Final CPU adjustments	Emery	Stored beam & inj.
0400-0600	OPEN		
0600-0800	Prepare for user Operations (24 singlets – Top-Up)	Ops	Stored Beam & Inj.