

Machine Studies

Draft Schedule for Run02-4, 2020

July 3rd 0800 – July 7th 0800

Time	Descriptions	Studios	SR Status
Friday, July 3, 2020			
0800-0810	Collect XBPM orbit data	OPS	Stored Beam & Injection
0810-1000	Gap Scans and update IDGapFF look-up tables	Sereno	Stored Beam & Injection
1000-1200	SR training (07-15)	Weyer/Orne	Limited Injection
1200-1300	Preliminary check-out of hybrid	Xiao	Stored beam & inj.
1300-1900	IEX Check-out/Correction I	Xiao	Stored beam
1300-1500	Test booster injection controllaw based on Booster single turn PVs.(After ring has been filled for IEX Check-out)	Yao	Limited injection
1900-2100	SR training (15-23)	Grodecki/Berg	Limited Injection
2100-2400	grow damp measurement of dipole coupled bunch modes. 6 or 7 GeV	Emery, Kallakuri	Stored beam & injection
Saturday, July 4, 2020			
0000-0300	grow damp measurement of dipole coupled bunch modes. 6 or 7 GeV	Emery, Kallakuri	Stored beam & injection
0300-0500	Linac training (23-07)	LaBuda/Kimbro	Stored Beam & Injection

0500-0600	Reset all 3 Interleaving DSP'	OPS	
0600-1000	Investigate TFB system 24-singlet yGain	Yao	No injection
1000-1600	IEX Check-out/Correction II	Xiao	Stored beam & Occ. Inj.
1000-1600	PAR injection studies (after beam is stored for IEX)	Harkay	Limited injection
1600-1800	SR training (11-23)	Grodecki/Berg	Limited Injection
1800-2400	DA (or other beam dynamics) of lattice at 6 GeV.	Emery	Stored beam & Inj.
Sunday, July 5, 2020			
0000-0200	Linac training (23-07)	LaBuda/Kimbro	Stored Beam & Injection
0300-0700	measure Booster chrom with sextupole bumps. Booster injection, change rf frequency	Yao, Shang	No beam
0700-0900	Booster photon diagnostic alignment (on-site)	Wootton	Booster beam
0900-1500	Booster High Charge studies	Calvey, Harkay, Wootton	No SR injection
1600-2400	B+ studies, 24, 324 bunch resolution, 24 bunch isolation, BPM signal level measurements using scope and SA.	Sereno	Stored beam & inj.
Monday, July 6, 2020			
0000-0500	Investigate a problematic LB+ bpm unit over a longer term in 324 bunch mode, Top-up	Sereno/OPS	Stored beam & inj.
0500-0700	Linac training (23-07)	LaBuda/Kimbro	Stored Beam & Injection

0700-0900	SR training (07-15)	Ronzhin/Berkland	Limited Injection
0900-0930	Prepare Booster 301 & SR pump 503 switches (Booster – Inj. Pulsed magnets, all Booster magnets in Quadrants 1&4, PTB Dipole magnets, Booster RF cavities) (SR – S4 through 7 P.S. set to 0)	OPS	No beam
0900-1100	water flow testing in Sector 2:3 Interlock rack	Ruan	No beam
0900-1100	Investigate communications problems with IOCS27FB	Shifu Xu	No beam
0900-1100	Filament operating point checks on L4 and L5	RF Group	No injection
0900-1100	Investigate and repair cause of phase jumps at RF4	RF Group	No beam
0930-1030	Switch from to Pump 301 in Booster & Pump 503 in SR	MOM	No beam
1000-1200	Set up bumpless rebooting on LNDS IOC	Smith, Diviero	No impact
1300-1700	Set-up hybrid lattice	Xiao	Stored beam & Inj.
1700-1900	Set-up TFB for hybrid	Yao, Emery	Stored beam & inj.
1900-2400	Orbit switch to hybrid	Yipeng Sun	Stored beam & inj.
Tuesday, July 7, 2020			
0000-0200	Linac training (23-07)	LaBuda/Kimbro	Stored Beam & Injection
0200-0600	OPEN		
0630-0800	Prepare for User beam	OPS	Stored Beam & Injection

