

# Machine Studies

## Draft Schedule for Run01-7, 2011

March 14<sup>th</sup> 0800 – March 16<sup>th</sup> 0800

Time	Descriptions	Studiers	SR Status
<b>Monday, March 14, 2011</b>			
<b>0800-0810</b>	<b>Collect XBPM orbit data</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>
<b>0810-0900</b>	<b>Gap Scans and update IDGapFF look-up tables</b>	<b>Schroeder</b>	<b>Stored Beam &amp; Injection</b>
<b>0900-0930</b>	<b>Prepare for 150mA study</b>	<b>Controls/OPS/ RF Group</b>	<b>No beam</b>
<b>0930-1500</b>	<b>Evaulate P0 feedback at 150mA with standard 24 singlet lattice</b>	<b>Harkay/Yao/ Schroeder</b>	<b>Stored beam &amp; injection</b>
<b>1500-1600</b>	<b>Return systems back to normal and verify 100mA hybrid fill</b>	<b>Controls/OPS/ RF group</b>	<b>Stored beam &amp; injection</b>
<b>1600-1700</b>	<b>test of datapool with injection PV tests removed.</b>	<b>Sajaev/Shang</b>	<b>Stored beam &amp; injection</b>
<b>1700-1900</b>	<b>optimize amplitude of FF waveforms during RTFB freeze</b>	<b>Sajaev/Emery</b>	<b>Stored beam &amp; injection</b>
<b>1900-2000</b>	<b>Orbit response to corrector step using FPGA and RTFB timing</b>	<b>Emery</b>	<b>Stored beam &amp; injection</b>
<b>2000-2400</b>	<b>Orbit switch to 24 singlets standard lattice</b>	<b>Xiao</b>	<b>Stored beam &amp; inj.</b>
<b>Tuesday, March 15, 2011</b>			
<b>0000-0200</b>	<b>beam loss position monitor (BLPM) calibration studies in S33.</b>	<b>Dooling/Xiao</b>	<b>Stored beam &amp; inj.</b>
<b>0200-0700</b>	<b>setup PCGun-&gt;PARinjection and if successful, run top-up for two-three hours</b>	<b>Sereno</b>	<b>Stored beam &amp; inj.</b>
<b>0700-1100</b>	<b>Repair magnet temperature readbacks</b>	<b>Fors</b>	<b>No Beam (Zone B)</b>
<b>0730-1100</b>	<b>Swap out RG2 thyratron</b>	<b>Puttkammer</b>	<b>Access Linac</b>
<b>0730-0930</b>	<b>Troubleshoot Booster vacuum valves</b>	<b>Benes/Vac</b>	<b>Access Booster</b>

		<b>Group</b>	
<b>0800-0900</b>	<b>swap booster BPM B2C8P2 and B2C8P1</b>	<b>Erwin</b>	<b>No Injection</b>
<b>0800-0900</b>	<b>check noise spectrum of P0 feedback front-end, SR RF off or in Diode mode Changing RF frequency -- MCR verify return of RF frequency to correct value</b>	<b>Yao</b>	<b>No Beam</b>
<b>0900-1000</b>	<b>RF waveguide switch from RF3 to RF2</b>	<b>Horan</b>	<b>No Beam</b>
<b>0930-1130</b>	<b>Test ramping supplies voltage regulator</b>	<b>Wang</b>	<b>No Injection</b>
<b>1130-1330</b>	<b>L1 klystron radiation minimization</b>	<b>Horan</b>	<b>Limited injection</b>
<b>1130-1230</b>	<b>Verify K1 down mode files</b>	<b>Pasky</b>	<b>Limited injection</b>
<b>1330-1500</b>	<b>Linac operator training (07-15)</b>	<b>Bogdan</b>	<b>Limited injection</b>
<b>1500-1700</b>	<b>test booter BPM history and update response matrix</b>	<b>Yao/Erwin</b>	<b>Occ. SR inj. possible</b>
<b>1500-1800</b>	<b>collect data for NbBPM with synchronous timing -- hybrid</b>	<b>Lill/Bui</b>	<b>Stored beam &amp; Occ. Inj</b>
<b>1800-2200</b>	<b>APSU aperture limitation study</b>	<b>Xiao</b>	<b>Stored beam &amp; inj.</b>
<b>2200-2400</b>	<b>multibunch vs. single bunch chromaticity</b>	<b>Harkay</b>	<b>Stored beam &amp; inj.</b>
<b>Wednesday, March 16, 2011</b>			
<b>0000-0400</b>	<b>multibunch vs. single bunch chromaticity (continued)</b>	<b>Harkay</b>	<b>Stored beam &amp; inj.</b>
<b>0400-0600</b>	<b>Linac operator training (23-07)</b>	<b>Mazzio</b>	<b>Limited injection</b>
<b>0630-0800</b>	<b>Prepare for User beam -- 24 singlets, standard lattice</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>