

# Machine Studies

## Draft Schedule for Run01-1, 2019

January 22nd 0800 – January 29th 0800

<b>Time</b>	<b>Descriptions</b>	<b>Studiers</b>	<b>SR Status</b>
<b>Tuesday, January 22, 2019</b>			
<b>0000-1200</b>	<b>RF Conditioning with beam (cont)</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>
<b>0800-1200</b>	<b>Initial pinhole camera set-up</b>	<b>Yang</b>	<b>Stored Beam &amp; Injection</b>
<b>1200-1600</b>	<b>BPM RTFB and datapool check-out</b>	<b>Sereno</b>	<b>Stored Beam &amp; Injection</b>
<b>1600-2000</b>	<b>BPLD validations</b>	<b>Hahne/Sereno</b>	<b>Stored Beam &amp; Injection</b>
<b>2000-2400</b>	<b>X-ray BPM check-out</b>	<b>Hahne</b>	<b>Stored Beam &amp; Injection</b>
<b>Wednesday, January 23, 2019</b>			
<b>0000-0500</b>	<b>Initial lattice set-up</b>	<b>Sajaev/Xiao</b>	<b>Stored Beam &amp; Injection</b>
<b>0500-1000</b>	<b>Orbit recovery</b>	<b>Yipeng Sun</b>	<b>Stored Beam &amp; Injection</b>
<b>1000-1100</b>	<b>Restore and test PAR harmonic rf timing</b>	<b>DiMonte/Yao</b>	<b>Stored Beam &amp; Injection</b>
<b>1100-1300</b>	<b>Test BTS dipole conditioning script</b>	<b>Harkay/Soliday</b>	<b>Limited injection</b>
<b>1300-1700</b>	<b>Test TFB feedback system</b>	<b>DiMonte/Yao</b>	<b>Stored Beam &amp; Injection</b>
<b>1700-2400</b>	<b>LFB 324 fill, 115 mA</b>	<b>Emery/Wienands /Kallakuri</b>	<b>Stored Beam &amp; Injection</b>
<b>Thursday, January 24, 2019</b>			
<b>0000-0100</b>	<b>LFB 324 fill, 115 mA</b>	<b>Emery/Wienands /Kallakuri</b>	<b>Stored Beam &amp; Injection</b>
<b>0100-0600</b>	<b>IEX/CPU perturbation collection, 324 fill (Xiao will give instruction)</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>
<b>0600-</b>	<b>Test xBPM sanity check script, 324 fill</b>	<b>Hahne</b>	<b>Injection at the</b>

<b>1000</b>			<b>beginning</b>
<b>0800-0800</b>	<b>Test modifications to iocbbpm3</b>	<b>Pietryla</b>	<b>No Injection</b>
<b>0800-1000</b>	<b>Test switching for BSD-U and BSD</b>	<b>PS Group</b>	<b>No Injection</b>
<b>0800-1400</b>	<b>Checking for problem at SR Dipole magnets (if occurs will cancel waveguide switch below)</b>	<b>PS Group</b>	<b>Access SR (possibly all zones)</b>
<b>0800-1400</b>	<b>RF3 supplying Booster waveguide switch to RF3/RF4 (will occur if SR access cancelled)</b>	<b>RF Group</b>	<b>Limited injection/No Beam</b>
<b>0830-1130</b>	<b>Laser alignment</b>	<b>Dooling</b>	<b>Access Linac</b>
<b>1400-1800</b>	<b>Testing zBPM (moved to later because of RF5 problem)</b>	<b>Sereno/Brill</b>	<b>Stored Beam &amp; Injection</b>
<b>1800-2000</b>	<b>Verify P0 feedback system after replacement of the clock source</b>	<b>Yao</b>	<b>Stored Beam &amp; Injection</b>
<b>2000-2400</b>	<b>Tune PAR for high charge</b>	<b>Harkay/Calvey</b>	<b>No injection</b>
	<b>Friday, January 25, 2019</b>		
<b>0000-0200</b>	<b>Tune PAR for high charge</b>	<b>Harkay/Calvey</b>	<b>No injection</b>
<b>0200-0800</b>	<b>Testing zBPM</b>	<b>Sereno/Brill</b>	<b>Stored Beam &amp; Injection</b>
<b>0800-1000</b>	<b>Setup SF-U operations</b>	<b>Yao</b>	<b>No injection</b>
<b>1000-1400</b>	<b>ID corrector feed-forward table check-out</b>	<b>Emery</b>	<b>Stored Beam &amp; Injection</b>
<b>1400-1800</b>	<b>BTS FS3 YAG screen testing</b>	<b>Wootton/Lumpkin</b>	<b>Limited injection</b>
<b>1800-2200</b>	<b>Booster tuning</b>	<b>Calvey</b>	<b>No injection</b>
<b>2200-2400</b>	<b>Open</b>		
	<b>Saturday, January 26, 2019</b>		
<b>0000-</b>	<b>Open</b>		

<b>1000</b>			
<b>1000-1800</b>	<b>CPU/IEX check-out</b>	<b>Xiao</b>	<b>Stored Beam &amp; Injection</b>
<b>1800-1900</b>	<b>Abort Kicker studies</b>	<b>Harkay</b>	<b>Stored beam &amp; injection</b>
<b>1900-2200</b>	<b>BTS Dipole Conditioning studies</b>	<b>Harkay</b>	<b>Stored beam &amp; injection</b>
<b>2200-2400</b>	<b>Top-up verification</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>
	<b>Sunday, January 27, 2019</b>		
<b>0000-1000</b>	<b>Top-up verification</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>
<b>1000-1800</b>	<b>6 GeV setup</b>	<b>Emery</b>	<b>Stored Beam &amp; Injection</b>
<b>1800-2400</b>	<b>Commissioning script work</b>	<b>Sajaev</b>	<b>Stored Beam &amp; Injection</b>
	<b>Monday, January 28, 2019</b>		
<b>0000-0600</b>	<b>Top-up verification</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>
<b>0600-0800</b>	<b>Final pinhole camera set-up</b>	<b>Yang</b>	<b>Stored Beam &amp; Injection</b>
<b>0800-1000</b>	<b>Bunch purity setup</b>	<b>Harkay</b>	<b>Stored Beam &amp; Injection</b>
<b>1000-1400</b>	<b>Setup Booster extraction and BTS for 6 GeV, measure emittance</b>	<b>Yao/Calvey/Wootton/Lumpkin/Xiao</b>	<b>No Injection</b>
<b>1400-2000</b>	<b>Vary Booster momentum offset and measure beam (SLM,BDM) and emittance (BTS, BTX)</b>	<b>Yao/Calvey/Wootton/Dooling/Lumpkin/Xiao</b>	<b>No Injection</b>
<b>2000-2400</b>	<b>Final orbit set-up</b>	<b>Yipeng Sun</b>	<b>Stored Beam &amp; Injection</b>
	<b>Tuesday, January 29, 2019</b>		
<b>0000-0630</b>	<b>Final lattice setup</b>	<b>Sajaev/Xiao</b>	<b>Stored Beam &amp; Injection</b>
<b>0630-0800</b>	<b>Prepare for user Operations (24 singlets – Top-Up)</b>	<b>Ops</b>	<b>Stored Beam &amp; Injection</b>