

# Machine Studies

## Schedule for Run3-1,2002

October 3 0800 - October 9 0800

<b>Time</b>	<b>Descriptions</b>	<b>Studiers</b>	<b>SRStatus</b>
<b>Thursday, 10/03/02</b>			
<b>0800-1600</b>	<b>Setup and characterize 2.5 nm-rad lattice and high emittance lattices; Restore high emittance lattice for other studies</b>	<b>Emery</b>	<b>Stored beam and injection</b>
<b>1600-1700</b>	<b>Test the new reboot procedure for sr vp iocs</b>	<b>Macleam</b>	<b>Stored beam and injection</b>
<b>1600-2400</b>	<b>Booster low emittance studies</b>	<b>Sereno</b>	<b>Stored beam and injection</b>
<b>1600-1800</b>	<b>Test the Crown amplifier for larger vertical excitation and BPM history</b>	<b>C.X. Wang</b>	<b>Stored beam and injection</b>
<b>Friday, 10/04/02</b>			
<b>0000-0400</b>	<b>MpBpm tests; low stored beam ok; injector required</b>	<b>Lill Singh</b>	<b>Stored beam and injection</b>
<b>0400-1000</b>	<b>BPM studies with high emittance studies</b>	<b>Emery Singh</b>	<b>Stored beam and injection</b>
<b>0800-1000</b>	<b>Xbpm studies</b>	<b>Erwin Hahne</b>	<b>Stored beam and injection</b>
<b>1000-1400</b>	<b>BPLD/DBPLD validation</b>	<b>Pietryla</b>	<b>Stored beam and injection</b>

<b>Time</b>	<b>Descriptions</b>	<b>Studiers</b>	<b>SRStatus</b>
<b>1400-1800</b>	<b>trouble shoot ID6 BPLD trip during injection</b>	<b>Pietryla</b>	<b>Stored beam and injection</b>
<b>1400-2200</b>	<b>Booster low emittance studies</b>	<b>Sereno</b>	<b>Stored beam and injection</b>
<b>2200-2400</b>	<b>Acquire beam history data for MIA study</b>	<b>C.X.Wang</b>	<b>Stored beam and injection</b>
<b>Saturday, 10/05/02</b>			
<b>0000-0400</b>	<b>Acquire beam history data for MIA study</b>	<b>C.X.Wang</b>	<b>Stored beam and injection</b>
<b>0400-1000</b>	<b>Data Pool tests, low beam current ok; injector required</b>	<b>Emery Shang Soliday Lenkszus</b>	<b>Stored beam and injection</b>
<b>1000-1400</b>	<b>Offset measurement and Xbpm calibration software test; low current OK, injector not required.</b>	<b>Shang Singh</b>	<b>Stored beam and injection</b>
<b>1400-1800</b>	<b>Offset measurement</b>	<b>Singh Erwin</b>	<b>Stored beam and injection</b>
<b>1800-2200</b>	<b>Xbpm test; low stored beam ok; injector not required</b>	<b>Singh Erwin</b>	<b>Stored beam and injection</b>
<b>2200-2400</b>	<b>Study time available</b>		<b>Stored beam and injection</b>

<b>Time</b>	<b>Descriptions</b>	<b>Studiers</b>	<b>SRStatus</b>
<b>Sunday, 10/06/02</b>			
<b>0000-0400</b>	<b>Study time available</b>		<b>Stored beam and injection</b>
<b>0400-1000</b>	<b>Cogging Tests</b>	<b>Decker Singh</b>	<b>Stored beam and injection</b>
<b>1000-1400</b>	<b>Xbpm feedforward</b>	<b>Decker Singh</b>	<b>Stored beam and injection</b>
<b>1400-1800</b>	<b>Studies time available</b>		
<b>1800-2200</b>	<b>Take image data in BTS line for booster emittance</b>	<b>Emery Sereno</b>	<b>Stored beam and injection</b>
<b>1800--2400</b>	<b>Booster low emittance studies</b>	<b>Sereno</b>	<b>Stored beam and injection</b>
<b>Monday, 10/07/02</b>			
<b>0000-0600</b>	<b>Map out single bunch instability and intensity limit in lower emittance lattice</b>		<b>Stored beam and injection</b>
<b>0600-1000</b>	<b>CPU AC mode tuning</b>	<b>Vasserman Emery</b>	<b>Stored beam and injection</b>
<b>1000-1200</b>	<b>Larger vertical excitation and BPM history</b>	<b>C.X. Wang</b>	<b>Stored beam and injection</b>
<b>1200-1600</b>	<b>Beta function and dispersion measurement for S35 BM, ID and S36AM</b>	<b>Lumpkin</b>	<b>Stored beam and injection</b>
<b>1600-1800</b>	<b>Xbpm feedforward</b>	<b>Decker Singh</b>	<b>Stored beam and injection</b>

<b>Time</b>	<b>Descriptions</b>	<b>Studiers</b>	<b>SRStatus</b>
<b>1800-2200</b>	<b>Xbpm test</b>	<b>Hahne</b>	<b>Stored beam and injection</b>
<b>2200-2400</b>	<b>Local impedance measurement using response matrices</b>	<b>Sajaev</b>	<b>Stored beam and injection</b>
<b>Tuesday, 10/08/02</b>			
<b>0000-0400</b>	<b>Local impedance measurement using response matrices</b>	<b>Sajaev</b>	<b>Stored beam and injection</b>
<b>0400-0800</b>	<b>Repeat local impedance measurement using local bump</b>	<b>Emery</b>	<b>Stored beam and injection</b>
<b>0800-1200</b>	<b>characterize a lattice with higher damping partition number Jx. or lower emittance</b>	<b>Emery</b>	<b>Stored beam and injection</b>
<b>1200-1800</b>	<b>Restore Orbit/ intensity scans; high emittance lattice; 100mA required; injector required</b>	<b>Singh Erwin</b>	<b>Stored beam and injection</b>
<b>1800-2400</b>	<b>Data Pool tests, low beam current ok; injector required</b>	<b>Emery Shang Soliday Lenkszus</b>	<b>Stored beam and injection</b>
<b>Wednesday, 10/09/02</b>			
<b>0000-0400</b>	<b>Optimize injection in general</b>	<b>Emery</b>	<b>Stored beam and injection</b>
<b>0400-0700</b>	<b>Single bunch instability studies</b>	<b>Harkay C.X.Wang</b>	<b>Study time available</b>

<b>Time</b>	<b>Descriptions</b>	<b>Studiars</b>	<b>SRStatus</b>
<b>0700-0800</b>	<b>Ready for user beam with high emittance and non-top-up</b>	<b>Yao OPS</b>	<b>Study time available</b>
	<b>End of Studies</b>		