

# Machine Studies

## Schedule for Run03-2, 2012

October 8th 0800 – October 10th 0800

Time	Descriptions	Studiers	SR Status
<b>Monday, October 8, 2012</b>			
<b>0800-0810</b>	<b>Collect XBPM orbit data</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>
<b>0810-0930</b>	<b>Gap Scans and update IDGapFF look-up tables</b>	<b>Schroeder</b>	<b>Stored Beam &amp; Injection</b>
<b>0930-0945</b>	<b>Correct meter values at RF4</b>	<b>RF group</b>	<b>No Beam</b>
<b>0930-1030</b>	<b>Troubleshoot IEX ID control</b>	<b>Smith, M.</b>	<b>No Beam</b>
<b>0930-1030</b>	<b>Reboot iocs s5fb, s7fb &amp; s33fb</b>	<b>Lenkszus</b>	<b>No Beam</b>
<b>0930-1130</b>	<b>Re-install 400W amplifier at L1</b>	<b>RF group</b>	<b>No Injection</b>
<b>0930-1000</b>	<b>Replace L4 WS1 AB Analog module (system needs to be shut down)</b>	<b>Wright</b>	<b>No injection</b>
<b>0930-1200</b>	<b>Troubleshoot 12ID FEEPS</b>	<b>McNamara</b>	<b>No Beam</b>
<b>0930-1030</b>	<b>Replace P0 feedback amplifiers in S2</b>	<b>Gold/Yao</b>	<b>No Beam</b>
<b>0930-1230</b>	<b>Hook up external current monitors in Zone E</b>	<b>Wang</b>	<b>No Beam</b>
<b>0930-1230</b>	<b>BEK meter troubleshooting</b>	<b>Donley</b>	<b>Limited injection</b>
<b>0930-1230</b>	<b>SR PS script testing</b>	<b>Fors</b>	<b>No Beam</b>
<b>0930-1330</b>	<b>Investigate a DAC issue with the Par Septum power supply.</b>	<b>Hillman</b>	<b>No injection</b>
<b>0930-1330</b>	<b>Booster ADC card test</b>	<b>Yao/Shang/Wang</b>	<b>No injection</b>
<b>1000-1200</b>	<b>Replace blowers in S38 cavity #3</b>	<b>Morrison</b>	<b>Access Zone F</b>
<b>1000-1200</b>	<b>Investigate/replace 8-ID encoder</b>	<b>Merritt/Grimmer</b>	<b>Access Zone A</b>
<b>1000-1200</b>	<b>Replace BTSFS3 camera</b>	<b>Berg</b>	<b>Access Zone F</b>
<b>1230-1600</b>	<b>Troubleshoot reflected power problem at PAR RF12</b>	<b>RF group</b>	<b>Limited Injection</b>
<b>1200-1400</b>	<b>Test loss monitor scopes</b>	<b>Brill</b>	<b>No Beam</b>

<b>1600-1700</b>	<b>check PAR harmonic RF with beam</b>	<b>Yao</b>	<b>Limited injection</b>
<b>1700-1900</b>	<b>minimize booster vertical corrector current</b>	<b>Yao</b>	<b>Limited injection</b>
<b>1900-2400</b>	<b>IEX correction</b>	<b>Xiao</b>	<b>Stored beam &amp; injection</b>
<b>Tuesday, October 9, 2012</b>			
<b>0000-0100</b>	<b>IEX correction (continued)</b>	<b>Xiao</b>	<b>Stored beam &amp; injection</b>
<b>0100-0700</b>	<b>Impedance test lattice setup</b>	<b>Sajaev</b>	<b>Stored beam &amp; injection</b>
<b>0730-0800</b>	<b>Fill SR 102mA, 24 singlets (UBOP) before shutting down linac for access</b>	<b>OPS</b>	<b>Stored beam</b>
<b>0800-1100</b>	<b>Take deflecting cavity measurements</b>	<b>RF group</b>	<b>Access Linac</b>
<b>0900-1100</b>	<b>Growth rate measurements</b>	<b>Chae/Yao</b>	<b>Stored beam</b>
<b>1100-1130</b>	<b>Recover linac/PAR</b>	<b>OPS</b>	<b>No injection</b>
<b>1130-1200</b>	<b>Check changes to PAR RF harmonic</b>	<b>Smith, T.</b>	<b>Limited injection</b>
<b>1200-1500</b>	<b>high single-bunch charge accumulation limit study</b>	<b>Yao</b>	<b>Stored beam &amp; injection</b>
<b>1500-1900</b>	<b>Collect Xbpm data</b>	<b>Decker/Hahne</b>	<b>Stored beam &amp; injection</b>
<b>1900-2400</b>	<b>IEX correction</b>	<b>Xiao</b>	<b>Stored beam &amp; injection</b>
<b>Wednesday, October 10, 2012</b>			
<b>0000-0100</b>	<b>IEX correction (continued)</b>	<b>Xiao</b>	<b>Stored beam &amp; injection</b>
<b>0100-0700</b>	<b>injection studies</b>	<b>Sajaev</b>	<b>Stored beam &amp; injection</b>
<b>0700-0800</b>	<b>Prepare for User beam</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>