

# Machine Studies

## Schedule for Run03-1, 2004

September 28th, 0800 - October 5th, 0800

<b>Time</b>	<b>Descriptions</b>	<b>Studiers</b>	<b>SRStatus</b>
<b>Tuesday, 9/28/04</b>			
<b>0800-1300</b>	<b>BPLD Validation</b>	<b>Pietryla, Bui</b>	<b>Stored Beam &amp; Inj</b>
<b>1300-1700</b>	<b>ID Xbpm test</b>	<b>Hahne</b>	<b>Stored Beam</b>
<b>1300-1500</b>	<b>Operator Training - Booster (0800-1500)</b>	<b>Glenn</b>	<b>Limited Inj</b>
<b>1700-2300</b>	<b>Orbit Recovery</b>	<b>Singh</b>	<b>Stored Beam</b>
<b>1700-2000</b>	<b>Commission new Linac Controllaw</b>	<b>Sereno</b>	<b>Inj Available</b>
<b>2300-0000</b>	<b>Response matric measurements</b>	<b>Sajaev</b>	<b>Stored Beam</b>
<b>2300-0000</b>	<b>Operator Training - Linac (2300-0700)</b>	<b>Gagliano</b>	<b>Limited Inj</b>
<b>Wednesday, 9/29/04</b>			
<b>0000-0100</b>	<b>Response matrix measurements</b>	<b>Sajaev</b>	<b>Stored Beam &amp; Inj</b>
<b>0000-0100</b>	<b>Operator Training - Linac (2300-0700)</b>	<b>Gagliano</b>	<b>Limited Inj</b>
<b>0100-0500</b>	<b>Dynamic aperture measurement with sextupole turned off (I)</b>	<b>Emery, Sajaev</b>	<b>Stored beam &amp; inj.</b>
<b>0500-0700</b>	<b>Operator Training - SR (2300-0700)</b>	<b>Forth</b>	<b>Stored Beam &amp; Inj</b>
<b>0800-1600</b>	<b>Full operational test of the FE and beam-line shutters, under normal PSS operation</b>	<b>Hawkins, Gagliano, Salazar</b>	<b>No Beam</b>
<b>0800-1100</b>	<b>Investigate SR Raws' K1 relay wiring</b>	<b>Puttkammer</b>	<b>No Beam</b>
<b>0800-1000</b>	<b>Operator Training - Booster</b>	<b>Grodecki</b>	<b>No Beam</b>
<b>0830-0930</b>	<b>Check leaking gearbox oil seal on the ID in Sector 23 upstream</b>	<b>Grimmer</b>	<b>Access Zone D</b>

<b>Time</b>	<b>Descriptions</b>	<b>Studiers</b>	<b>SRStatus</b>
<b>0830-0900</b>	<b>Replace gearbox in Sector 24 Upstream Insertion Device</b>	<b>Grimmer</b>	<b>Access Zone D</b>
<b>0830-0930</b>	<b>Install a radiation dosimetry plate on the upstream end of the 3ID upstream device</b>	<b>Grimmer</b>	<b>Access Zone A</b>
<b>0900-1100</b>	<b>Test iocs1fb power cycle reboot.</b>	<b>Lenkszus</b>	<b>No Beam</b>
<b>1000-1200</b>	<b>PAR ACO Re-qualification</b>	<b>Ronzhin</b>	<b>No Beam</b>
<b>1200-1400</b>	<b>Operator Training - Booster</b>	<b>Glenn</b>	<b>No Beam</b>
<b>1300-1400</b>	<b>SR Power Supply Calibration</b>	<b>Puttkammer</b>	<b>No Beam</b>
<b>1600-1800</b>	<b>RTFB test with with nbbpm</b>	<b>Singh, Bui</b>	<b>Stored Beam</b>
<b>1600-1900</b>	<b>Set-up 35-BM Pinhole Camera for Machine Studies</b>	<b>Yang</b>	<b>Stored Beam &amp; No Inj.</b>
<b>2000-2400</b>	<b>Commission new Booster Sextupole Config</b>	<b>Sereno</b>	<b>Stored Beam</b>
<b>Thursday, 9/30/04</b>			
<b>2400-0200</b>	<b>Beta function correction</b>	<b>Sajaev</b>	<b>Stored Beam &amp; Inj.</b>
<b>0200-0400</b>	<b>Operator Training - SR (2300-0700)</b>	<b>Forth</b>	<b>Stored Beam &amp; Inj</b>
<b>0400-0600</b>	<b>Operator Training - Linac (2300-0700)</b>	<b>Gagliano</b>	<b>Limited Inj</b>
<b>0600-1000</b>	<b>Xbpm gap scans</b>	<b>Hahne</b>	<b>Stored Beam</b>
<b>0800-1000</b>	<b>Operator Training - Booster (0700-1500)</b>	<b>Grodecki</b>	<b>Limited Inj</b>
<b>1000-1400</b>	<b>Nonlinear beam dynamics measurements</b>	<b>Sajaev, Emery</b>	<b>Stored Beam &amp; Inj.</b>
<b>1400-1600</b>	<b>Injection betatron oscillation characterization</b>	<b>Emery</b>	<b>Stored Beam &amp; Inj.</b>
<b>1600-2400</b>	<b>OTR/ODR Diagnostic Commissioning</b>	<b>Sereno, Vacca, Lumpkin</b>	<b>Stored Beam &amp; No Inj.</b>
<b>Friday, 10/1/04</b>			
<b>0200-0400</b>	<b>Operator Training - SR (2300-0700)</b>	<b>Forth</b>	<b>Stored Beam &amp; Inj</b>
<b>0400-0600</b>	<b>Operator Training - Linac (2300-0700)</b>	<b>Gagliano</b>	<b>Limited Inj</b>

<b>Time</b>	<b>Descriptions</b>	<b>Studiers</b>	<b>SRStatus</b>
<b>0600-1000</b>	<b>DBPLD beam status tests</b>	<b>Singh, Bui</b>	<b>Stored Beam &amp; Inj.</b>
<b>1000-1200</b>	<b>Operator Training - Booster (0700-1500)</b>	<b>Glenn</b>	<b>Limited Inj</b>
<b>1200-1800</b>	<b>Imaging of vertical kicker induced beam motion</b>	<b>Yang, Harkay, Guo</b>	<b>Stored Beam &amp; Inj.</b>
<b>1800-2400</b>	<b>HOM Studies</b>	<b>Harkay, et al</b>	<b>Stored Beam &amp; Inj.</b>
<b>Saturday, 10/2/04</b>			
<b>0500-0900</b>	<b>HOM mode damper studies</b>	<b>Emery</b>	
<b>0900-1300</b>	<b>Fast corr. step response</b>	<b>Singh Lenkszus Emery</b>	<b>Stored beam</b>
<b>1300-1900</b>	<b>Commission PTB Sband bpm for direct injection</b>	<b>Sereno</b>	<b>No inj.</b>
<b>1900-2400</b>	<b>CPU coupling correction</b>	<b>Emery</b>	
<b>Sunday, 10/3/04</b>			
<b>0000-0200</b>	<b>Linac Re-qualification (0000-1100)</b>	<b>Sutton</b>	<b>No Inj</b>
<b>0800-1200</b>	<b>Dynamic aperture measurement with sextupole turned off (II)</b>	<b>Emery Sajaev</b>	<b>Stored beam &amp; inj.</b>
<b>1200-1800</b>	<b>Beam Parameter Measurement</b>	<b>Chae,Sajaev, Yao, Yang</b>	<b>Stored beam &amp;Inj.</b>
<b>1800-2200</b>	<b>Commissioning PAR bunch cleaning upgrade</b>	<b>Yao</b>	<b>Stored beam</b>
<b>1800-2000</b>	<b>Setup 35-BM pinhole camera for User run</b>	<b>Yang</b>	<b>Stored beam</b>
<b>2200-2400</b>	<b>Xbpm studies</b>	<b>Decker</b>	<b>Stored Beam &amp; Inj.</b>
<b>Monday, 10/4/04</b>			
<b>0000-0600</b>	<b>Xbpm studies</b>	<b>Decker</b>	<b>Stored Beam &amp; Inj.</b>
<b>0600-0700</b>	<b>Corrector punch down</b>	<b>Singh</b>	<b>Stored Beam &amp; Inj.</b>

<b>Time</b>	<b>Descriptions</b>	<b>Studiers</b>	<b>SRStatus</b>
<b>0700-1300</b>	<b>Fast Corr. frequency Response</b>	<b>Diag group PS group Lenkszus Emery</b>	<b>Stored Beam &amp; limited injection</b>
<b>0800-1000</b>	<b>Operator Training - Booster (0700-1500)</b>	<b>Grodecki</b>	<b>Limited Inj</b>
<b>1100-1300</b>	<b>PAR ACO Re-qualification (0700-1500)</b>	<b>LaBuda</b>	<b>No Inj</b>
<b>1240-1330</b>	<b>Zone A Access to install dosimeter on 4ID insertion device</b>	<b>Petra</b>	<b>No beam</b>
<b>1330-1700</b>	<b>Impedance Center Measurement</b>	<b>Chae, Yao</b>	<b>Stored Beam &amp; Inj.</b>
<b>1700-2200</b>	<b>Par bunch cleaning system study</b>	<b>Yao</b>	<b>Stored Beam &amp;Inj</b>
<b>1700-1900</b>	<b>Test the users triggering of the CPU ID</b>	<b>Smith</b>	<b>Stored Beam</b>
<b>2200-0000</b>	<b>Xbpm studies</b>	<b>Decker</b>	<b>Stored Beam &amp;Inj</b>
<b>Tuesday, 10/5/04</b>			
<b>0000-0600</b>	<b>Xbpm studies</b>	<b>Decker</b>	<b>Stored Beam &amp;Inj</b>
<b>0600-0800</b>	<b>Ready for 0+324X1 fill pattern, low emit- tance, Non-TopUp</b>	<b>OPS</b>	<b>Stored Beam &amp; Inj</b>