

# Machine Studies

## Draft Schedule for Run01-5, 2023

February 27th 0800 – February 28th 0800

Time	Descriptions	Studiers	SR Status
<b>Monday, February 27, 2023</b>			
<b>0800-0810</b>	<b>Collect XBPM orbit data</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>
<b>0830-1000</b>	<b>IR sensor replacement</b>	<b>Wright</b>	<b>Possible Zone F Access</b>
<b>0830-1030</b>	<b>K2 with digital LLRF. Run with this for whole intervention period. Recover in morning.</b>	<b>Yawei, others for training</b>	<b>No injection</b>
<b>1030-1100</b>	<b>SR recovery. Fill 324 bunches 100mA</b>	<b>Ops</b>	<b>Stored Beam &amp; Injection</b>
<b>1100-1200</b>	<b>Setup various x-y couplings, and finally fill one bunch 0.4 mA</b>	<b>Emery</b>	<b>Stored Beam &amp; Injection</b>
<b>1200-1400</b>	<b>Injector training (07-15)</b>	<b>Weyer/Schiltz</b>	<b>Limited Injection</b>
<b>1200-1400</b>	<b>Dimtel tune measurement with coupling. Single bunch.</b>	<b>Kallakuri, Emery</b>	<b>Limited Injection</b>
<b>1400-1500</b>	<b>SR script tests (provisional)</b>	<b>Kuklev, Emery</b>	<b>Stored Beam &amp; Injection</b>
<b>1500-1800</b>	<b>Check out a 6 GeV lattice, RHB-S7 (ions) or RHB-S7S37 (scraper). Plus drive-damp check-out</b>	<b>Emery, Kallakuri</b>	<b>Stored Beam &amp; Injection</b>
<b>1800-2300</b>	<b>SCU compensation. 324 bunches. Can be</b>	<b>Emery, Shastri,</b>	<b>Stored Beam &amp;</b>

	<b>extended though the RG1 study</b>	<b>Kesgin</b>	<b>Interleaving Injection</b>
<b>1800-2000</b>	<b>Transport RG2 electron beam to Booster Bypass beam dump</b>	<b>Wootton</b>	<b>Stored Beam &amp; Interleaving Injection</b>
<b>2000</b>	<b>Refill if needed (for SCU1)</b>	<b>Ops</b>	<b>Stored Beam &amp; Injection</b>
<b>2230-0430</b>	<b>RG1 optimization (could start earlier)</b>	<b>Ihar, Kuklev</b>	<b>No injection</b>
<b>Tuesday, February 28, 2023</b>			
<b>2230-0430</b>	<b>RG1 optimization</b>	<b>Ihar, Kuklev</b>	<b>No injection</b>
<b>0430-0630</b>	<b>PAR training (23-07)</b>	<b>Weber/Ronzhin</b>	<b>Limited Injection</b>
<b>0630-0700</b>	<b>Recover K2 Digital LLRF</b>	<b>RF group</b>	<b>No injection</b>
<b>0700-0800</b>	<b>Prepare for User beam</b>	<b>OPS</b>	<b>Stored Beam &amp; Injection</b>