

# Machine Studies

## Draft Schedule for Run03-2, 2024

October 14 0800 – October 16 0800

Time	Descriptions	Studiers	SR Status
Monday, October 14, 2024			
0800-0900	Reboot sioc2mofbagg	Arnold	No Beam
0800-0900	Power cycle Liberas in sector 3-4. Follow up on problem of 0200h Sunday	Brill	No Beam
0800-0900	TBTDAQ IOC update	Chandler	No Beam
0800-0900	Test H-coll	Grass	No Beam
0800-0900	Test bi-polar PS comm loss	Fors	No Beam
0800-0930	Injector training	Ops	Limited Injection
0800-1000	Linac K2 shutdown	Meyer	No Beam
0800-1000	Test gap switch PEM	Berkland, Shang	No Beam
0800-1000	Reboot ioc2s40ctrl1	Hong	No Beam
0800-1000	Test AGC control	DiMonte	No Beam
0900-1000	Unlock 1BM shutters	MOM	Zone A AA
0900-1000	Vibration measurements	Emery Mohsen	Zone A AA
0930-1130	PAR RF reference reconfiguration	Berenc	No Injection
1130-1230	Install impedance matching networks	Brill	Access Zone F
1130-1230	Vibration measurement, if possible	Emery Mohsen	Access Zone F

1230-1315	Close tunnels and power up	Ops	No beam
1230-1530	Recover PAR after LLRF reconfiguration	Harkay, Mohsen, Sun, Berenc, Fors	No beam
1315 h	Start SR conditioning.	Ops	No beam
1530-1630	Store beam and check the parameters	Emery	Stored Beam & Injection
1530-1630	Turn off UPS in sector 40 as a test	Doktorczyk	Stored Beam & Injection
1630-1900	BLS at 550 kV with ramping up to 130 mA. Training in operations (Emery, Fystro, Berkland).	Uli	Stored Beam & Injection
1900-2100	IETS-BAM! setup	Wienands	Stored Beam & Injection
1900-2000	Septum FF study	Mohsen	Stored Beam & Injection
2100-2300	BCM ADC linearity and reflection measurements	Borland Cheng	Stored Beam & Injection
2300-0300	Lifetime vs total current at constant bunch charge	Borland Wienands	Stored Beam & Injection
	Tuesday October 15, 2024		
2300-0300	Lifetime vs total current at constant bunch charge (continued)	Borland Wienands	Stored Beam & Injection
0300-0500	MOFB at higher rate for 30-Hz source localization	Borland Emery	Stored Beam & Injection
0400-0600	Injector training (18-06)	Ops	Stored Beam & Limited Injection

<b>0600-0900</b>	<b>Injector training (06-18)</b>	<b>Ops</b>	<b>Stored Beam &amp; Limited Injection</b>
<b>0800-0900</b>	<b>Upgrade firmware on Accel T3 switch swsr04 to resolve a switch over-temperature issue in sector 4</b>	<b>Westbrook</b>	<b>No Stored Beam &amp; No Injection</b>
<b>0800-0900</b>	<b>Libera bpm recovery after firmware upgrade of a network switch in S4. This would result in a beam dump</b>	<b>Weixing</b>	<b>No Stored Beam &amp; No Injection</b>
<b>0900-1200</b>	<b>Test F3 rad monitor</b>	<b>Harkay et al</b>	<b>No Stored Beam &amp; No Injection</b>
<b>0900-1300</b>	<b>RG1 study</b>	<b>Yin-e</b>	<b>No Stored Beam &amp; No Injection</b>
<b>1300-1400</b>	<b>Check SR 130 mA again</b>	<b>Emery</b>	<b>Stored Beam &amp; Injection</b>
<b>1400-1500</b>	<b>Check masking of ID gap inputs</b>	<b>Smith, Bui Shang</b>	<b>Stored Beam &amp; Injection</b>
<b>1500-1600</b>	<b>ID optimization checkout</b>	<b>Shang</b>	<b>Stored Beam &amp; Injection</b>
<b>1600-1700</b>	<b>Open</b>		
<b>1700-2100</b>	<b>Tune notch spectrum study</b>	<b>Kallakuri</b>	<b>Stored Beam &amp; Injection</b>
<b>2100-2400</b>	<b>48-bunch mode trials with 75-100 mA</b>	<b>Emery</b>	<b>Stored Beam &amp; Injection</b>
<b>Wednesday October 15, 2024</b>			
<b>0000-0300</b>	<b>Open</b>		
<b>0300-0600</b>	<b>Injector training (18-06)</b>	<b>Ops</b>	<b>Stored Beam &amp; Limited</b>

			<b>Injection</b>
<b>0600-0800</b>	<b>Injector training/prepare for user beam</b>	<b>Ops</b>	<b>Stored beam and injection</b>