

# Machine Studies

## Draft Schedule for Run03-9, 2024

December 9 0800 – December 11 0800

Time	Descriptions	Studios	SR Status
<b>Monday, December 9, 2024</b>			
<b>0800-1600</b>	<b>ID7 bunch length versus BLS voltage</b>	<b>Borland, Wienands et al</b>	<b>Stored Beam &amp; Injection</b>
<b>1600-1800</b>	<b>Event 104 for triggering FOK on a scope</b>	<b>Hong, Iftikhar, Dooling, Grass</b>	<b>Stored Beam &amp; Injection</b>
<b>1800-2000</b>	<b>FOK study and low-current beam scan at collimators</b>	<b>Dooling</b>	<b>Stored Beam &amp; Injection</b>
<b>2000-0100</b>	<b>Software testing for PAR (2 h)+ PAR RF high charge study (3 h)</b>	<b>Mohsen</b>	<b>Limited Injection</b>
<b>Tuesday December 10, 2024</b>			
<b>0100-0200</b>	<b>PAR THz detector testing II</b>	<b>Wootton, Suzuki</b>	<b>Limited Injection</b>
<b>0200-0400</b>	<b>Injector training I (18-06)</b>	<b>Ops</b>	<b>Limited Injection</b>
<b>0400-0600</b>	<b>Open</b>		<b>Stored Beam &amp; Injection</b>
<b>Start of long intervention</b>			
<b>0600-0730</b>	<b>Shutdown injectors and SR start rack outs</b>	<b>Ops/FAC</b>	<b>No Beam</b>
<b>0730-1030</b>	<b>Troubleshoot tunnel thermocouples</b>	<b>Irwin</b>	<b>Access Linac</b>
<b>0730-1030</b>	<b>RG2 thyatron troubleshooting</b>	<b>Puttkammer</b>	<b>Access Linac</b>
<b>0730-1130</b>	<b>Cable runs, swap FOM card, reboot iocs</b>	<b>Hong, et al</b>	<b>No Beam No Injection</b>

0800-1000	Vibration measurements	Preissner	Access Zone A
0800-1000	8ID hutch work	Boron	No Beam
0800-1000	Test M1/M2 DAQ software	Paskvan	No Beam
0800-1000	Upgrade the SR power supplies PLC Controller firmware	Kreps	No Beam
0800-1000	IETS timing work	Fors	No Beam/No RF
0800-1200	IOC reboots	Chandler(s)	No Beam
0800	Reboot sioc2injorch1	Arnold	No Beam
0900-1100	DEEI inspections	Kishbaugh	No Impact
0900-1100	Unlock front end shutters	Wayman, MOM	Access Zone B & C
1000-1300	Gap minimum measurements	Wei	No Beam Zone B secured
0930-1130	LFC measurement	Vargas	Access Zone F
1200	Start of SR recovery, e.g. magnet conditioning.	Ops	No Beam
1300-1400	Pulse fanout kicker and collect waveforms	Abid	No Beam
1300-1600	K2 measurements	Meyer, ScandiNova	No Injection
1300-1500	HV Pulser Data	Paskvan	No Beam
	End of long intervention		
1600-2000	Booster with large momentum offset	Calvey, Harkay, Fors, Wienands, Mohsen	Stored Beam & Injection
1700	First beam in SR from intervention? Tune adjustment, etc.	Emery	Stored Beam & Injection
No time	(06-18) Injector training II. Canceled.	Ops	Limited Injection
2000-2200	BTS and booster extraction energy	Sajaev, Emery	Stored Beam & Injection

<b>2200-2400</b>	<b>Septum LFC correction IV</b>	<b>Borland</b>	<b>Stored Beam &amp; Injection</b>
	<b>Wednesday December 11, 2024</b>		
<b>0000-0400</b>	<b>(18-06) Injector training III</b>	<b>Ops</b>	<b>Limited Injection</b>
<b>0200-0400</b>	<b>Open</b>		<b>Stored Beam &amp; Injection</b>
<b>0400-0600</b>	<b>LOCO SR response matrix for reference. Document set-up for beamline operations.</b>	<b>Emery</b>	<b>Stored Beam &amp; Injection</b>
<b>0600-0800</b>	<b>Injector training/prepare for user beam</b>	<b>Ops</b>	<b>Stored beam and injection</b>