

# Machine Studies

## Schedule for Run2-13,2002

August 19th, 0800 - August 21th 0800

Time	Descriptions	Studios	SRStatus
<b>Monday, 08/19/02</b>			
0800-0830	Orbit data collection.	Singh	Stored beam and no injection
0830-1230	Change out circuit breaker TDP-R4-9 in building 420. (No power to SR PS during some time). Install FORS-2 chip in a double sector Inspect S18/29 T4 raw ps and likely replace the external interlock relay. Replace S8BQ2 S13BV3 converters.	Markovich Fors McNamara Puttkammer	No beam
0830-1030	Zones E access for replacing S31A:P1 filter comparator with a SMA-TNC patch panel	Erwin	No beam
0830-1030	Zones F access to exchange and source check the IP-100 (Gamma Probe) at RM-10	Vacca	No beam
0830-1030	Zones A access for checking 1ID P1 translation stage problem.	Erwin	No beam
0830-1030	Zones A access for checking 2ID bpm problem.	Kruiy Shu	No beam
0830-1030	Zones A access for replacing alinine films on ID3	Petra	No beam
0800-1030	Check network connection between PAR RF iocs. Change trigger source to PAR RF function generator. Need linac beam.	Dimonte Sidorowicz Johnson	No beam

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<b>1030-1230</b>	<b>Calibrate a power divider for the injector test stand. May need to reboot ioclirfgun</b>	<b>Maclean.</b>	<b>No beam</b>
<b>1230-1300</b>	<b>FORS-2 chip testing with beam</b>	<b>Fors Maclean</b>	<b>Stored beam and injection</b>
<b>1300-1400</b>	<b>SR training</b>	<b>Hill</b>	<b>Stored beam and injection</b>
<b>1400-1500</b>	<b>Test NbBpm/DBPLD with the P1 buttons at ID21</b>	<b>Pietryla</b>	<b>Stored beam and injection</b>
<b>1500-1800</b>	<b>Setup new hybrid bunch pattern for low emittance lattice.</b>	<b>Singh</b>	<b>Stored beam and injection</b>
<b>1800-2000</b>	<b>Investigate beam loss during topup that seemed to be related to an instability</b>	<b>Harkay</b>	<b>Stored beam and injection</b>
<b>2000-2400</b>	<b>Investigate multibunch instabilities for future operational fill patterns</b>	<b>Harkay</b>	<b>Stored beam and injection</b>
<b>Tuesday, 08/20/02</b>			
<b>0000-0500</b>	<b>Measure the response matrix and bpm history at 1mA and 3mA. Need IK5 in CW mode.</b>	<b>Sajaev</b>	<b>Stored beam and injection</b>
<b>0500-0900</b>	<b>Switch SR bpm to datapool polynomials and new gains. Check steering.</b>	<b>Emery Shang Singh</b>	<b>Stored beam and injection</b>
<b>0900-1200</b>	<b>Xray bpm tests.</b>	<b>Singh Deming Erwin Hahne</b>	<b>Stored beam and injection</b>
<b>0900-1200</b>	<b>ID xbpm gain vs gap measurements</b>	<b>Hahne Roberts</b>	<b>Stored beam and injection</b>

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<b>0900-1200</b>	<b>Take bunch length data on linac mm-wave horn. Parallel to above SR study.</b>	<b>Decker Borland</b>	<b>Stored beam and injection</b>
<b>1200-1300</b>	<b>SR training</b>	<b>Hill</b>	<b>Stored beam and injection</b>
<b>1300-1600</b>	<b>CPU tuning</b>	<b>Vasserman Makarov Emery</b>	<b>Stored beam and injection</b>
<b>1600-1900</b>	<b>Data pool correction. Adjust RTFB regulator for optimum interaction with datapool correction.</b>	<b>Shang Emery</b>	<b>Stored beam and injection</b>
<b>1900-2400</b>	<b>Lower emittance lattice optics steering and injection optimization</b>	<b>Emery Sajaev</b>	<b>Stored beam and injection</b>
<b>Wednesday, 08/21/02</b>			
<b>0000-0600</b>	<b>ID gap feedforward.</b>	<b>Decker Singh</b>	<b>Stored beam and injection</b>
<b>0600-0700</b>	<b>Re-install the original corrector DAC chips in 2 sectors</b>	<b>Fors</b>	<b>No beam</b>
<b>0700-0800</b>	<b>Setup for User low-emittance topup.</b>	<b>OPS</b>	<b>Stored beam and injection</b>