

Oct. 13 M	14 Tu	15 W	16 Th	17 F	18 Sa	19 Su
Owl						
Day	<b>Injector Open</b> Turn ON G0 laser System checkout without beam - chopper/capture/pre buncher/buncher/FC (water cooling test)	<b>Injector Locked</b> System checkout with a diode laser – PZT, magnets, harps, phasing BPM channels	Restore August setup - injector baseline done with a diode lasers Turn ON G0 laser 100 keV emittance measurement with 1106 harp – check pulsed vs CW beams, if same cont with G0 laser	Turn on additional ambient field compensation cols (chopper to q-cryo) injector setup with ambient field coils		
Swing						

Oct. 20	M	21	Tu	22	W	23	Th	24	F	25	Sa	26	Su
<b>Owl</b>													
<b>Day</b>													
<p>Lens switch over Pre-buncher amplitude lowered</p>													
<p>Injector setup in the new lens configuration (with G0 laser)</p>													
<p>100 keV fOpt measurements to validate new injector model</p>													
<p>Injector setup optimization</p>													
<p>100-500 keV fOpt measurements to refine new injector model</p>													
<b>Swing</b>													
<p>PSS Certification (Halls A B and C)</p>													
<p>PSS Certification (SL/BSY)</p>													
<p>PSS Certification (inj/NL/SL)</p>													
<p>PSS Certification (functional test - ALL segments)</p>													
<p>Injector model validation – off line</p>													

Oct. 27 M	28 Tu	29 W	30 Th	31 F	Nov. 1 Sa	2 Su
<b>Owl</b> Setup G0 beam with the new laser  Setup injector beyond 5MeV  Validate chopper phasing - measure bunchlength in the chicane with SLM (tails)	Helicity dependent proerties  Pre-buncher ON for G0	<b>Main Machine – Hot checkout starts</b>          <b>Main Machine – Restoration starts</b>	BPM quad centering Check pass-2 autosteer functionality and model quality Take data for linac multipass steering; analyze for use at 990/pass RF gradient calibration	<b>990MeV/pass setup:</b> Scale 1087 setup to 990MeV Rough-steer five pass to B dumplet Balance NL/SL energy gain Start 'Golden orbit' development, including: finish BPM quad centering	Continue 'Golden orbit' devel. to max aperture Inj match with diode beam ORFP (exp version) Re-evaluate new tools Evaluate linac skew quad settings Optimize extractions 6T to C and AT to B nE and nT00 region	
<b>Day</b> OL03-OL04 modules phasing  Harp scans in the chicane - $\Delta p/p$ , emittance measur  Maximize inj. current: 50 $\mu$ A G0-beam 100 $\mu$ A A-beam	<b>Main Machine – Checkout starts</b>  Optimizing injector setup  Beam quality measurement - $\Delta p/p$ , emittance, PZT (fOpt) of all beams)	<b>Res 1087MeV/pass setup:</b> Set injector for diode beam Rough-steer five pass to B dumplet Check for hardware problems Coarse-adjust pathlength Use transport automatch optics check to get	<b>Evaluation of new tools:</b> transport automatch arc autosteer with new model server multi-knobs new C-S tool 1104 harp emittance measurement (100 keV)	injector chicane to NL steering optimization S/R steering and pathlength tradeoff between S/R and doglegs linac multipass steering maximize 30Hz aperture	(first half of each extraction) nT to B, A, C  Helicity dependent properties	Helicity dependent properties
<b>Swing</b>  Ops training on inj setup  Taking 'mug shots' of beam profiles during the setup	Helicity dependent properties  Pre-buncher OFF for G0	information on hardware/software  Achieve 70% transmission, emittance	Helicity dependent properties	G0 beam to BSY	Automatch training	

Nov. 3 M	4 Tu	5 W	6 Th	7 F	8 Sa	9 Su
<b>Owl</b> G0 beam to BSY	Hall C line – final tuneup  <b>20 <math>\mu</math>A of G0 beam to Hall C</b>	G0 beam to Hall C	G0 beam to Hall C YO cavity test	G0 beam to Hall C	40 $\mu$ A G0 beam to Hall C  Hall B line tune up  Hall B beam properties	G0 beam to Hall C
<b>Day</b> Restore injector to G0 optimum: Adjust injector match to NL, using 20 uA CW G0 beam Make ORFP optics checks with pulsed G0 or diode beam Change Hall C to 3-rd pass	Helicity dependent properties	Injector clean up	100-500 keV fOpt measurements to finalize new injector model	Injector optimization for high current	Effects on Hall B beam	Helicity correlation studies
<b>Swing</b> Transport 30 uA of CW beam to BSY dump Send beam to HallC Use Hall line matching tool: first to match at 3C07 harp and then at G0 target	Helicity dependent properties	Helicity dependent properties	Helicity correlation studies	100-500 keV fOpt measurements in high current setup	Helicity correlation studies	

Nov. 10 <b>M</b>	11 <b>Tu</b>	12 <b>W</b>	13 <b>Th</b>	14 <b>F</b>	15 <b>Sa</b>	16 <b>Su</b>
<b>Owl</b>  Helicity correlated studies	Helicity correlated studies	50 $\mu$ A, parity quality G0 beam to Hall C				
<b>Day</b>  Helicity correlated studies	Helicity correlated studies	<b>PHYSICS STARTS</b>				
<b>Swing</b>	Helicity dependent properties					