

Note: 3 shifts data taking TOTAL in Fa 2023 and completed most inj beam studies				
	endpoint	status		
Install new helicity board at JLab	N/A (electronics)			
Make injector DAQ capable of taking 2kHz data	N/A (electronics)	done-ish (up to 5adcs) Fa 2023		
transmission test through FC2	injector	done (with single wound solenoids, old gun @ 180keV) Fa 2023		
Beam noise assessment in injector with new helicity board at 2kHz	injector	done (with old hel board) Fa 2023		
Beam transport assessment in injector	injector	done (with single wound solenoids, old gun @ 180keV) Fa 2023		
Beam monitor resolution assessment at 2kHz in the injector	injector			
Solenoid Wien flip symmetry test	injector			
VWien flip symmetry test	injector	done (with single wound solenoids, old gun @ 180keV) Fa 2023		
Wien flip frequency study – (address: how long between flips is feasible? is ~1week ok?)	injector			
Beam noise in Hall test with new helicity board at 2kHz	HallA			
Beam monitor resolution assessment at 2kHz in the experimental hall	HallA			
Sensitivity measurement of Helicity Magnets to Hall	HallA			
Chopper scan	injector	done (with single wound solenoids, old gun @ 180keV) Fa 2023		
transition time measurements with new PC driver for different RTP voltage settings	laser table			
installation of new PC driver	laser table			
Update injector DAQ software to assess laser table parameters such as quad-photodiode position differences and linear-array spot size asymmetries	N/A(software)			
Test FFB system in experimental Hall with 2kHz data taking	HallA			
installation of wedged RTP cell (built at UVa)?	laser table			
RTP cell position difference feedback test in injector	injector	done (with single wound solenoids, old gun @ 180keV) Fa 2023		
Beam noise test in Hall at 10GeV at 2kHz	HallA			
Sensitivity measurement of Helicity Magnets to Hall at 10GeV	HallA			
Characterize laser properties at PC and at cathode, adjust if necessary	laser table			
RTP cell alignment with spot size asymmetry measurements at 2kHz	laser table			
Tune beam test for timing of monitors	HallA & injector			
Write ‘slow’-feedback code for position differences and RTP cell and/or helicity magnets	N/A(software)			
Coordinate software tools for JLab staff to use to monitor PQB with alarms	N/A(software)			
Test FFB system in experimental Hall at 10GeV with 2kHz	HallA			
Provide instructions for frequency of IHWP flips and Wein flips for MOLLER Run1	N/A (documentation)			
“do the magnets work? & are position differences stable for 12 hours at a time “. periodic 5 minute runs to measure position differences and reset helicity magnet set points.	injector			
Scan skew quad (phase / focus) near 0L03booster to increase damping	injector			
adiabatic damping to Hall 10GeV- measure and attempt optimization method	HallA			
monitor resolution test at 2kHz in HallA (new bpms, bcms)	HallA			
test rayTrace (adiabatic damping)	injector			