

Condition	Scheduled Work (Activities)	Total Time	Beam Conditions
Pre-experiment	Install foil target	3 shifts	no beam
	Disassemble beam pipe. Retract target. Remove Start Counter (ST). Remove vacuum snout. Remove GlueX cell. Mount carbon foils (survey). Attach vacuum snout. Attach ST. Target in place. Assemble beam pipe. Pump vacuum. * Ramp magnet*	1 shift assembly 1 shift for survey & align 1 shift for pumping vacuum*	
Detector checkout		2.5 shifts	140 nA
	Establish typical tagged photon beam, check/calibrate sub-detectors, Trigger, and DAQ (some tests can be done during pumping vacuum)		
Run with foil target		14 days	140 nA
Target change	Install liquid D target	5 shifts	no beam
	Ramp magnet down	1 shift	
	Disassemble beam pipe. Retract target. Remove ST. Remove vacuum snout. Remove carbon foils. Mount GlueX cell. Survey. Mount heat shield (needed for helium). Attach vacuum snout. Attach ST. Target in place. Assemble beam pipe.	1 shift assembly 1 shift for survey & alignment	
	Ramp magnet.* Pump vacuum.*	1.5 shifts	
Run with empty target		1 days	140 nA
Target preparation	Cool target*.	1 shift	
Run with D target		8.0 days	140 nA
Target change	Switch to liquid He target	1.5 shifts	
	Boil LD ₂ *. Pump D ₂ from tanks. Replace with helium. Cool target*.		
Run with He target		1 day	140 nA