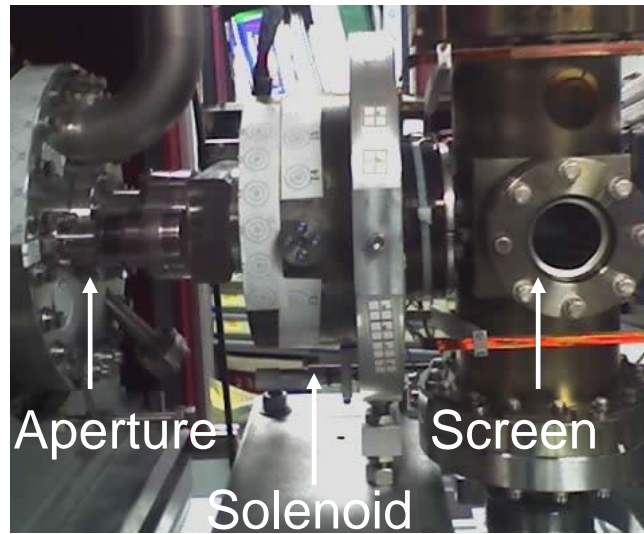
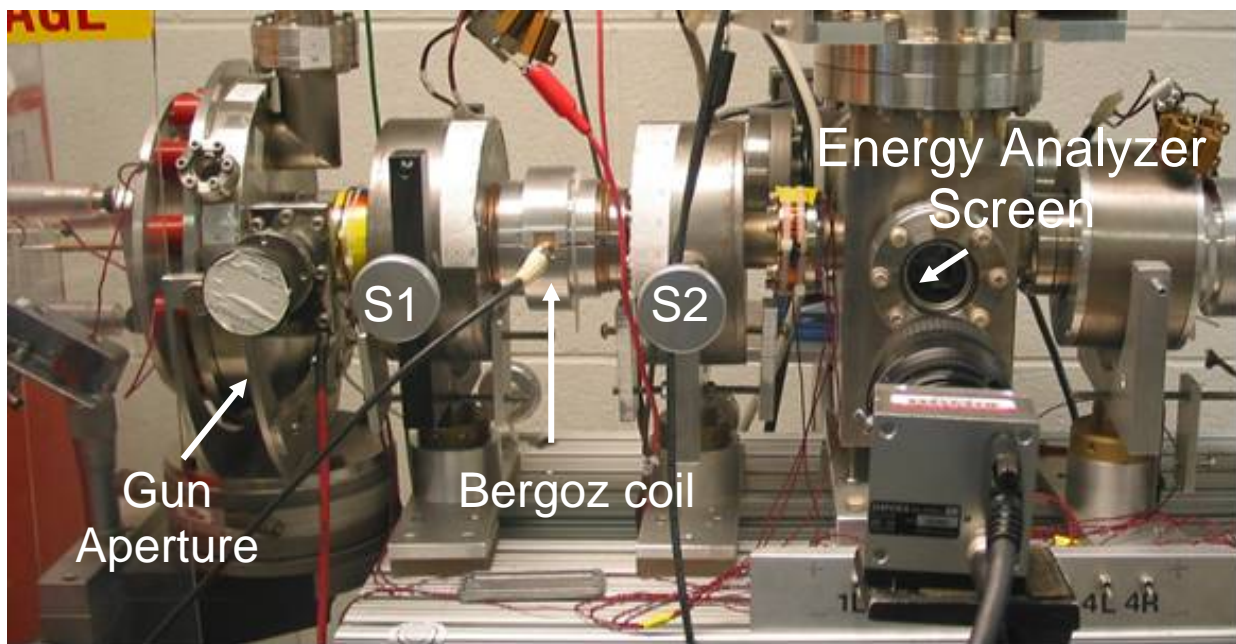


**EXPERIMENTAL STATION DATA SHEET**

	<b>Station 1 – UMER</b>	<b>Station 2 – LSE</b>		<b>Station 3 – Hughes</b>
	<b>Electron Gun</b>			
<b>Gun Type</b>	Triode	Triode		Diode
<b>Cathode Type</b>	Thermionic Dispenser	Thermionic Dispenser		Thermionic
<b>Cathode Radius</b>	4 mm	4 mm		12.7 mm
<b>A/K distance</b>	24.1 mm	22.0 mm		?? mm
<b>Beam Energy</b>	10 keV	5 keV		4 keV
<b>Def. BIAS Voltage</b>	15 V	20/30 V		-
	<b>Solenoids</b>			
<b>Location</b>	17.6 cm	11.0 cm	29.0 cm	
<b>Default Current</b>	5.5 A	4.15 A	3.2 A	
<b>Calibration</b>	1.35 +	0.854 +	1.98 +	
$B_{SOL} [G] = f(I_{SOL} [A])$	$17.597 * I_{SOL}$	$17.632 * I_{SOL}$	$18.13 * I_{SOL}$	
<b>Effective length</b>	6.5708 [cm] - $0.00029 \kappa_o [m^{-2}]$	4.34 cm	4.24 cm	
<b>Strength factor</b>	0.69448			
	<b>Solenoid Fitting Parameters</b>			
<b>b [cm]</b>		3.443	3.936	
<b>C</b>		0.032	0.084	
<b>d [cm]</b>		4.415	3.887	
	<b>Diagnostics</b>			
<b>Screen Type</b>	P43	Fast Phosphor		YAG
<b>Screen Location</b>	28.5 cm	40.5 cm		???
<b>Current Monitor</b>	Bergoz Coil	Bergoz Coil		Pearson Coil
<b>CM Location</b>		18.5 cm		
<b>Camera</b>	IMPERX (model IPX-1M48-L) CCD	Princeton Instruments PIMAX2 Intensified gated CCD		IMPERX (model IPX-VGA120-L) CCD
<b>Lens</b>	Macro lens (AF Micro-NIKKOR 60mm f/2.8D)	Macro lens (AF Micro- NIKKOR 105mm f/2.8D)		Macro lens (AF Micro-NIKKOR 60mm f/2.8D)
<b>Software</b>	EPIX XCAP-STD-L	Princeton Instruments WINVIEW		EPIX XCAP-STD-L



**Figure 1:** Experiment Setup for UMER Station



**Figure 2:** Experiment Setup for LSE Station

**Figure 3:** Experiment Setup for Hughes Gun Station