

# Port 123 – 10 m TGM

This beamline is SRC owned.

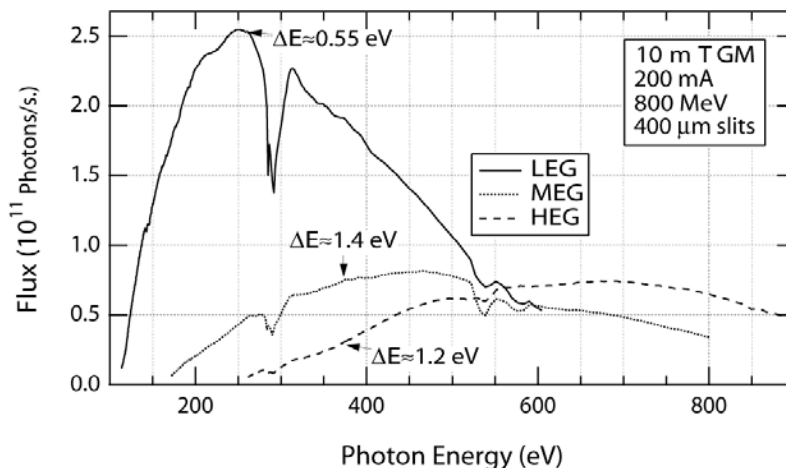
Updated April 2008

## Beamline

Ten Meter Toroidal Grating  
Monochromator  
608-877-2123

## Manager

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## Technical

<b>Energy Range</b>	210 – 800 eV
<b>Flux</b>	See graph above for flux with slits = 0.4 mm. The flux for slits < 0.1 mm scales linearly with exit and entrance slits. The flux for slits > 0.1 mm scales linearly with exit slit
<b>Bandpass</b> For slits > 0.4mm	LEG: $\Delta\lambda$ ( $\text{\AA}$ ) $\approx 0.18 * \text{slit}(\text{mm})$ MEG: $\Delta\lambda$ ( $\text{\AA}$ ) $\approx 0.12 * \text{slit}(\text{mm})$ HEG: $\Delta\lambda$ ( $\text{\AA}$ ) $\approx 0.09 * \text{slit}(\text{mm})$
<b>Focused Spot</b>	Spot position is 292 mm beyond the exit and 1207 mm above the platform. Spot size (horizontal x vertical) is 0.7 mm x 1/3 times exit slit.
<b>Automation</b>	SRC control and data acquisition program, slits.
<b>Computer Interface</b>	RS 232 port slave mode or inputs for pulse/direction.
<b>Special Feature(s)</b>	Circularly polarized light available.