

# Port 062 – 6m TGM

This beamline is SRC owned.

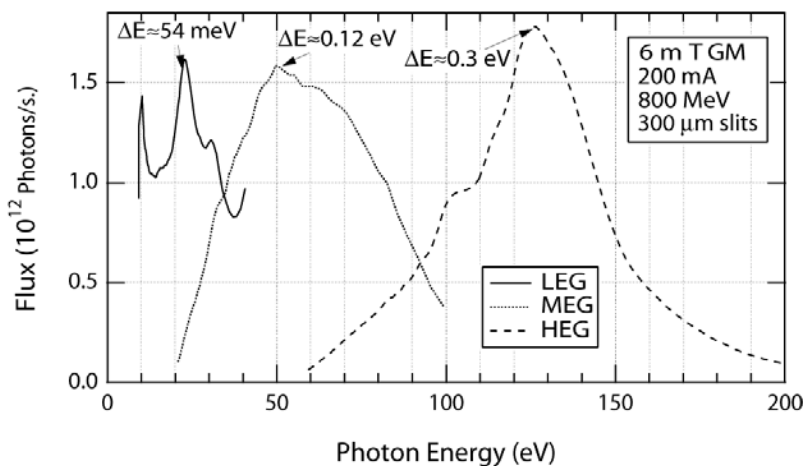
Updated April 2008

## Beamline

Six Meter Toroidal Grating  
Monochromator  
608-877-2062

## Manager

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## Technical

<b>Energy Range</b>	8 – 200 eV
<b>Flux</b>	See graph above for slits = 0.03 mm. For slits < 0.2 mm the flux scales linearly with exit and entrance slits. For slits > 0.2 mm the flux scales linearly with exit slit
<b>Bandpass</b> For slits > 1 mm	LEG: $\Delta\lambda$ (Å) $\approx$ 2.2 * slit(mm) (exit slit) MEG: $\Delta\lambda$ (Å) $\approx$ 0.8 * slit(mm) (exit slit) HEG: $\Delta\lambda$ (Å) $\approx$ 0.28 * slit(mm) (exit slit)
<b>Focused Spot</b>	Spot position is 470 mm from exit flange, 1587.5 mm from floor. Spot size (horizontal x vertical) is 0.6 mm x 1/3 times exit slit
<b>Divergence</b>	50 mrad horizontal 32 mrad vertical
<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