

# Port 033 – HERMON

This beamline is SRC owned.

Updated June 2009

## Beamline

High Energy and High Resolution

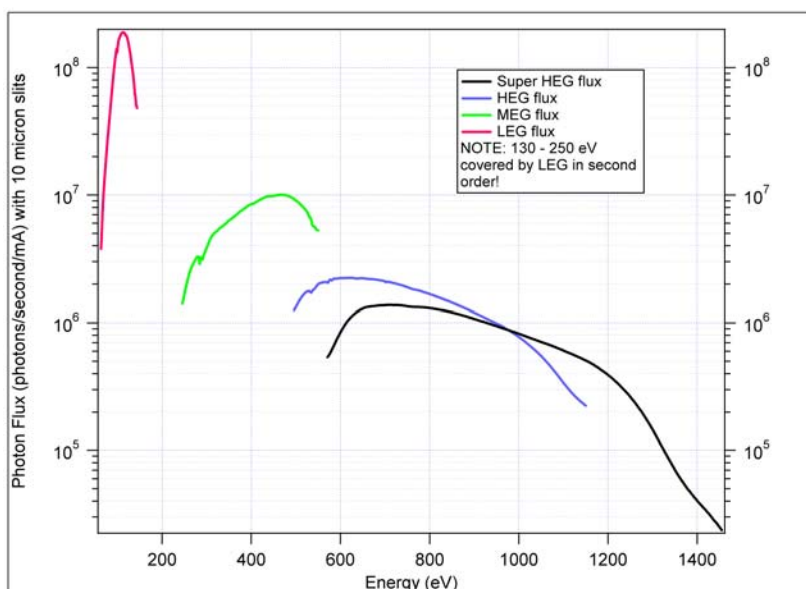
608-877-2033

## Manager

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## Technical

<b>Energy Range</b>	62 - 1400 eV
<b>Flux</b>	See graph above for slits = 0.02 mm. For slits < 0.15 mm flux scales linearly with exit and entrance slits. For slits > 0.15 mm flux scales linearly with exit slit
<b>Bandpass</b> For slits > 0.01 mm	LEG: $\Delta\lambda$ (Å) $\approx 1.6 * \text{slit(mm)}$ MEG: $\Delta\lambda$ (Å) $\approx 0.4 * \text{slit(mm)}$ HEG: $\Delta\lambda$ (Å) $\approx 0.2 * \text{slit(mm)}$ SHEG: $\Delta\lambda$ (Å) $\approx 0.17 * \text{slit(mm)}$
<b>Focused Spot</b>	Position is 440 mm from exit flange, 1240 mm above the floor. Spot size (horizontal x vertical) is 1 mm x 2 times exit slit.
<b>Automation</b>	SRC control and data acquisition program and slits.
<b>Computer Interface</b>	RS 232 port slave mode.
<b>Special Feature(s)</b>	Circularly polarized light available. Fast shutter to minimize dose to sensitive samples.