

Port 033 – HERMON

This beamline is SRC owned.

Current as of June 2012

Beamline

High Energy and High Resolution

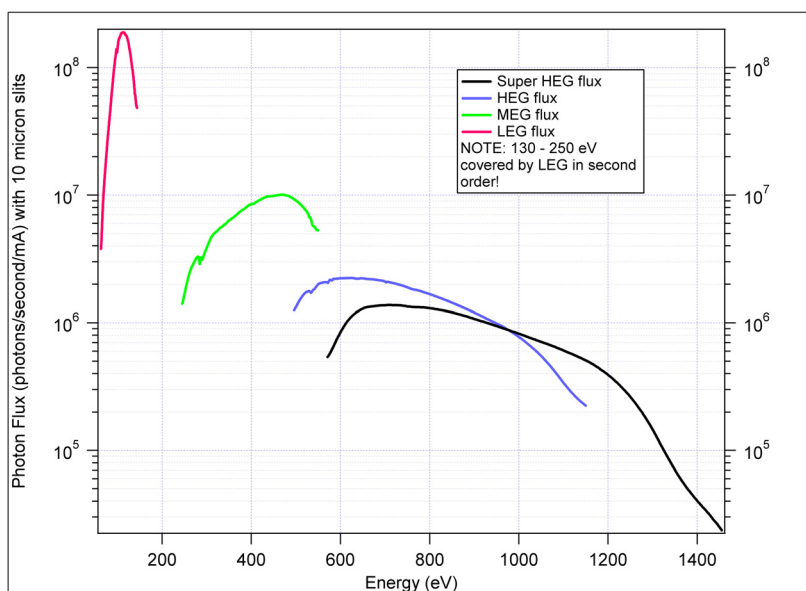
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Manager

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Technical

Energy Range	62 - 1400 eV
Flux	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
Bandpass 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) $\approx 0.17 * \text{slit(mm)}$
Focused Spot	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.
Automation	SRC control and data acquisition program and slits.
Computer Interface	RS 232 port slave mode.
Special Feature(s)	Circularly polarized light available. Fast shutter to minimize dose to sensitive samples.