

Port 081 – 4m NIM

This beamline is SRC owned.

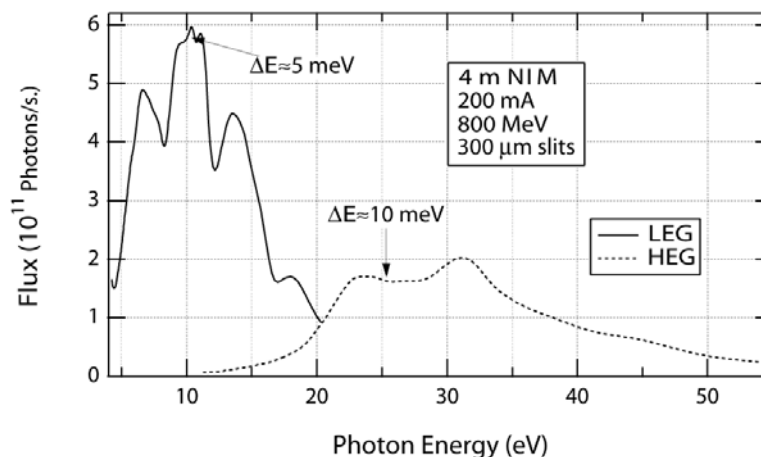
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Beamline

Four Meter Normal
Incidence Monochromator
608-877-2081

Manager

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Technical

Energy Range	4 – 62 eV
Flux	See graph above for slits = 0.3 mm. The flux for slits < 0.3 mm scales linearly with exit and entrance slits. The flux for slits > 0.3 mm scales linearly with exit slit.
Bandpass For slits > 0.02 mm	LEG: $\Delta\lambda$ (\AA) $\approx 2 * \text{slit}(\text{mm})$ HEG: $\Delta\lambda$ (\AA) $\approx 0.7 * \text{slit}(\text{mm})$
Focused Spot	The spot position is 354 mm beyond the exit and 1239 mm above platform. The spot size (horizontal x vertical) is 1 mm x 1 mm.
Automation	SRC control and data acquisition program, slits.
Computer Interface	RS 232 port slave mode or inputs for pulse/direction.
Special Feature(s)	Very high resolving power. Bending magnet source.