

# Port 081 – 4m NIM

This beamline is SRC owned.

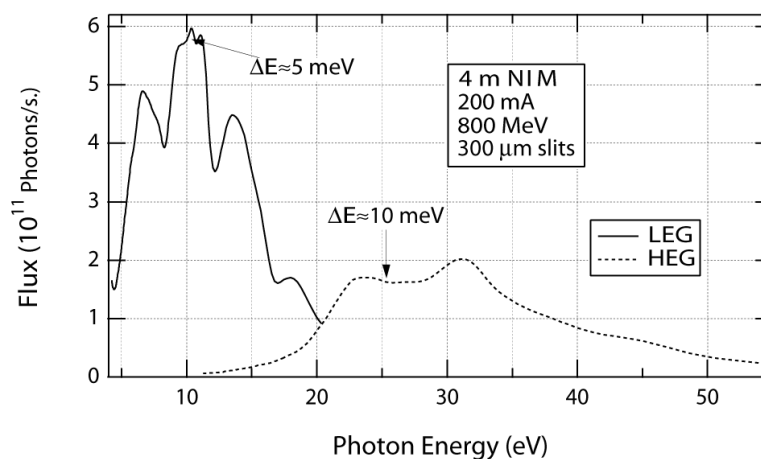
Current as of June 2012

## Beamline

Four Meter Normal  
Incidence Monochromator  
608-877-2081

## Manager

Mary Severson  
608-877-2140  
[mseverson@src.wisc.edu](mailto:mseverson@src.wisc.edu)



## Technical

<b>Energy Range</b>	4 – 62 eV
<b>Flux</b>	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.
<b>Bandpass</b> For slits > 0.02 mm	LEG: $\Delta\lambda$ (Å) $\approx 2 * \text{slit}(\text{mm})$ HEG: $\Delta\lambda$ (Å) $\approx 0.7 * \text{slit}(\text{mm})$
<b>Focused Spot</b>	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.
<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>	Very high resolving power. Bending magnet source.