

Port 011 – U1 NIM

This beamline is SRC/PRT owned.

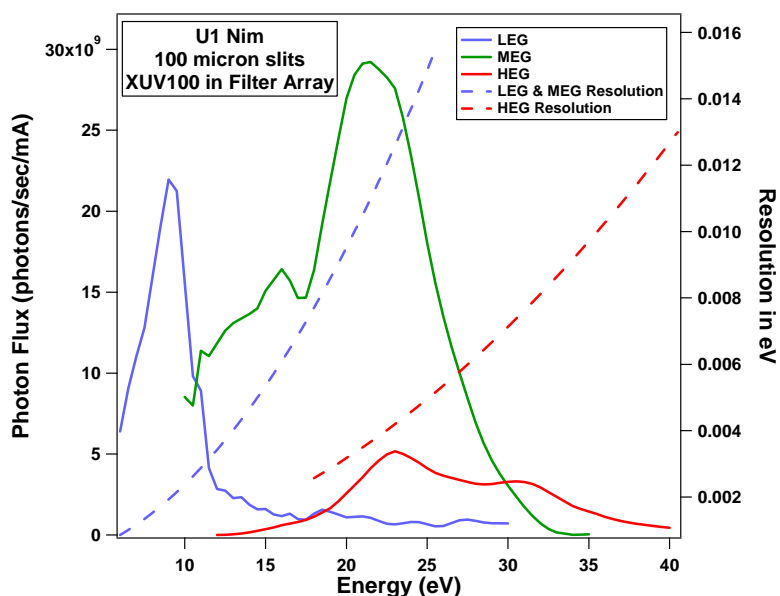
Updated June 2009

Beamline

Undulator Four Meter
Normal Incidence
Monochromator
608-877-2011

Manager

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Technical

Energy Range	5.9 – 40 eV (E_{\min} @ 1 GeV is 9.25 eV)
Flux	See graph above (solid lines).
Resolution	See graph above (dashed lines).
Focused Spot	Spot position is 815 mm beyond the exit valve and 1243 mm above platform. Beam slopes down 1.2°. Spot size (horizontal x vertical) is 0.5 mm x 0.5 times exit slit
Exit Beam Divergence	Horizontal divergence (full) is 5.55 mrad @ 6eV; 4.41 mrad @ 17eV; 3.97 mrad @ 26 eV; 4.05 mrad @ 40 eV Vertical divergence (full) is 8.92 mrad @ 6 eV; 4.35 mrad @ 17 eV, 4.35 mrad @ 26 eV; 3.54 mrad @ 40 eV
Automation	SRC control and data acquisition program
Computer Interface	RS 232 port slave mode.
Special Feature(s)	U1 Electromagnetic undulator source with $\lambda_u = 10.9$ cm