

# Port 011 – U1 NIM

This beamline is SRC/PRT owned.

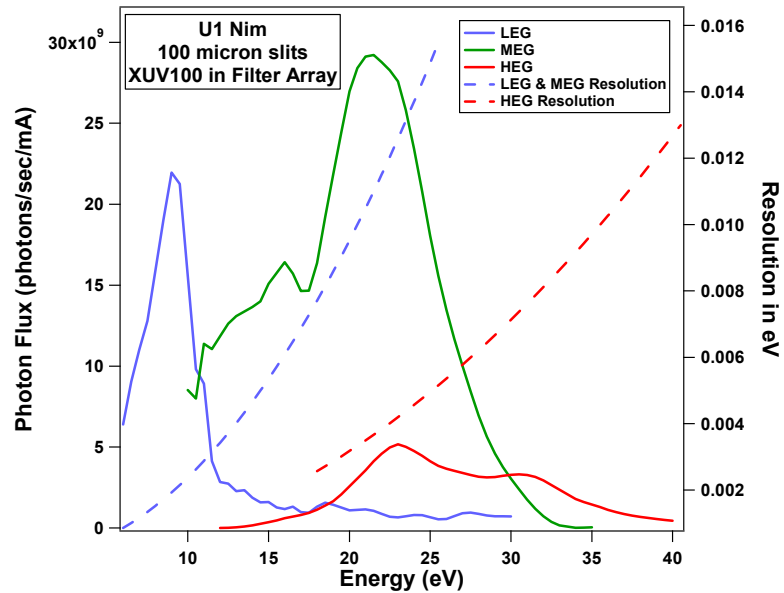
Current as of June 2012

## Beamline

Undulator Four Meter  
Normal Incidence  
Monochromator  
608-877-2011

## Manager

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## Technical

<b>Energy Range</b>	5.9 – 40 eV ( $E_{\min}$ @ 1 GeV is 9.25 eV)
<b>Flux</b>	See graph above (solid lines).
<b>Resolution</b>	See graph above (dashed lines).
<b>Focused Spot</b>	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
<b>Exit Beam Divergence</b>	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
<b>Automation</b>	SRC control and data acquisition program
<b>Computer Interface</b>	RS 232 port slave mode.
<b>Special Feature(s)</b>	U1 Electromagnetic undulator source with $\lambda_u = 10.9$ cm