

# Port 041 – U2 Wadsworth

This beamline is SRC owned.

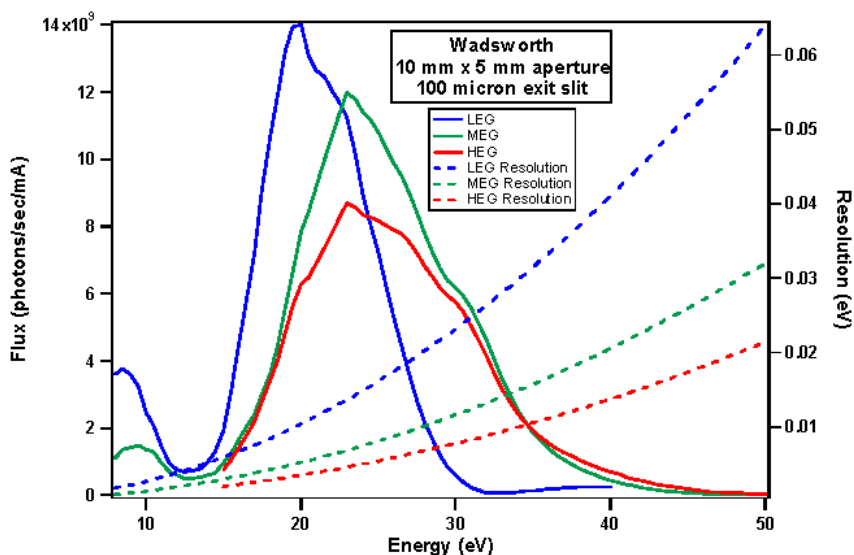
Current as of June 2012

## Beamline

U2 Wadsworth Normal  
Incidence Monochromator  
608-877-2044

## Manager

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## Technical

<b>Energy Range</b>	7.8 – 40 eV
<b>Flux</b>	See graph above for slits = 0.100 mm (solid lines). Scales linearly with exit slit
<b>Bandpass</b> For slits > 0.050 mm See graph resolution in eV	LEG: $\Delta\lambda$ (Å) $\approx$ 3 * slit(mm) MEG: $\Delta\lambda$ (Å) $\approx$ 1.5 * slit(mm) HEG: $\Delta\lambda$ (Å) $\approx$ 1 * slit(mm)
<b>Focused Spot Position</b>	Spot position is 787.4 mm (31 inches) from exit valve flange and 1330.3 mm (52 3/8 inches) above the floor. Beam slopes up 1°. Spot size (horizontal x vertical) is 0.5 mm x 0.5 times exit slit
<b>Exit Beam Divergence</b>	Horizontal (Full) is 12.8 mrad @ 10 eV; 11.6 mrad @ 20 eV; 11.06 mrad @ 30 eV Vertical (Full) is 7.7 mrad @ 10 eV; 5.5 mrad @ 20 eV; 4.6 mrad @ 30 eV
<b>Automation</b>	SRC control and data acquisition program.
<b>Computer Interface</b>	RS 232 port slave mode.
<b>Special Feature(s)</b>	U2 permanent magnet undulator source.