

Port 043 – Mark V Grasshopper

This beamline is SRC owned.

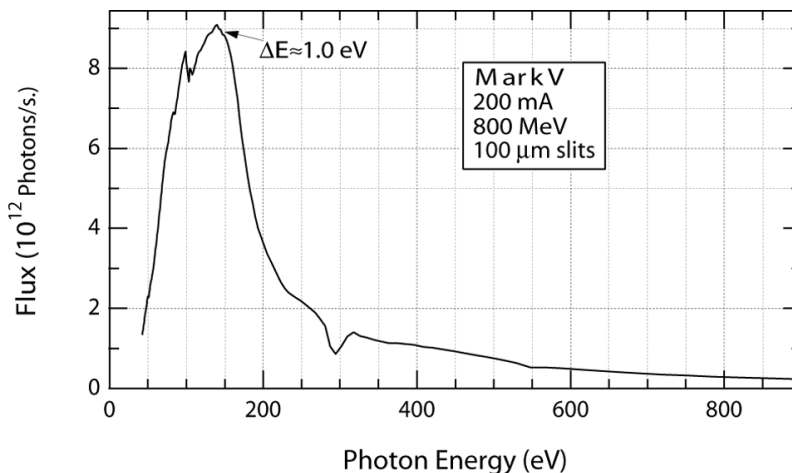
Current as of June 2012

Beamline

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Manager

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Technical

Energy Range	32 – 900 eV (see graph above)
Flux (see curve above)	For slits < 0.1 mm flux scales linearly with exit and entrance slits. For slits > 0.1 mm flux scales linearly with exit slit only
Bandpass	For slits > 0.02 mm bandpass is $\Delta\lambda$ (\AA) $\approx 6 * \text{slits (mm)}$
Focused Spot	Beam slopes 2° down. Spot position is 658 mm beyond exit valve flange; 1245 mm above floor. Spot size (horizontal x vertical) is 3 mm x 0.6 mm (with 100 μ m exit slit)
Automation	SRC control and data acquisition program.
Computer Interface	RS 232 port slave mode or inputs for pulse/direction.
Special Feature(s)	Beamline is 50% dedicated to SPECTRA web based remote experimental program – openings available.