

# Port 051 – SS Seya

This beamline is SRC owned.

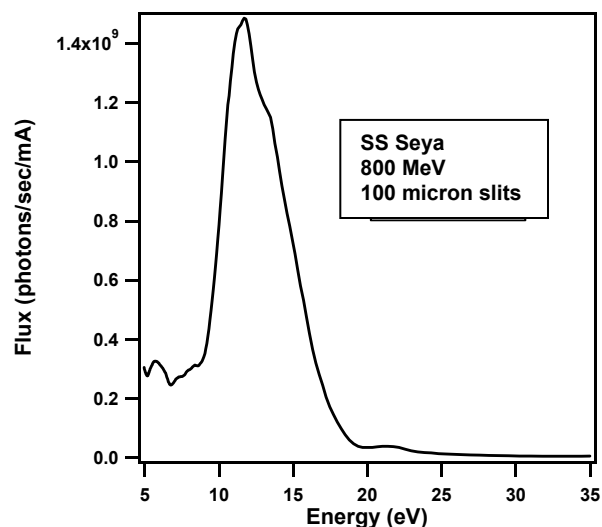
Current as of June 2012

## Beamline

Stainless Steel Seya  
608-877-2051

## Manager

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## Technical

|                           |   |
|---------------------------|---|
| <b>Energy Range</b>       | 5 – 35 eV   |
| <b>Flux</b>               | For slits < 0.15 mm the flux scales ~ linearly with exit and with entrance slits.<br>For slits > 0.15 mm the flux scales ~linearly with exit slit only. |
| <b>Gratings</b>           | 600 l/mm AlMgF <sub>2</sub><br>1200 l/mm AlMgF <sub>2</sub><br>1200 l/mm Au<br>(not interchangeable in vacuum)  |
| <b>Bandpass</b>           | Bandpass for slits >0.04 mm is $\Delta\lambda (\text{\AA}) \approx 9 * \text{slits}(\text{mm})$   |
| <b>Focused Spot</b>       | Position is 876 mm beyond the exit flange; 1317 mm above floor. Size (horizontal x vertical) is 2 mm x 1 mm (with 100 $\mu\text{m}$ exit slit)          |
| <b>Automation</b>         | SRC control and data acquisition program.   |
| <b>Computer Interface</b> | RS 232 port slave mode or inputs for pulse/direction.   |