

# Port 093 – DCM

This beamline is PRT owned.

Current as of June 2012

## Beamline

The Double Crystal  
Monochromator  
608-877-2093

## Manager

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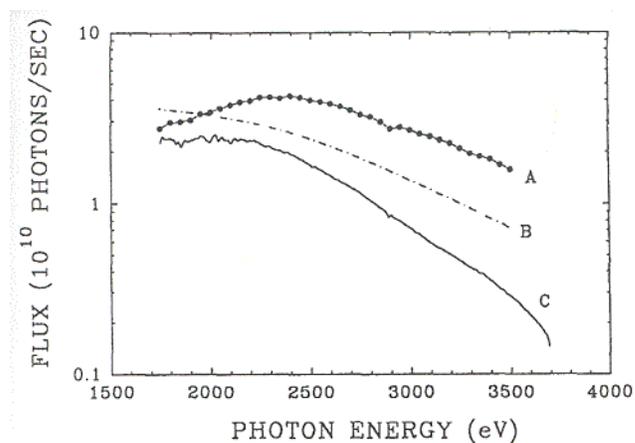


FIG. 4. Beam line photon flux as a function of energy. (a) measured value while Aladdin is at 1.0 GeV, 100 mA, (b) calculated (SHADOW) value for Aladdin at 800 MeV, 100 mA, (c) measured value while Aladdin is at 800 MeV, 100 mA.

## Technical

|                           |   |
|---------------------------|---|
| <b>Energy Range</b>       | 1500 – 4000 eV  |
| <b>Bandpass</b>           | The minimum bandpass is $\Delta E \sim 1.0$ eV  |
| <b>Focused Spot</b>       | The spot position is 241 mm beyond exit flange.<br>The spot size (horizontal x vertical) is 2 x 2 mm. |
| <b>Automation</b>         | Computer controlled scanning  |
| <b>Computer Interface</b> | RS 232 port   |
| <b>Special Feature(s)</b> | InSb(111) and Quartz (1010) crystals available  |