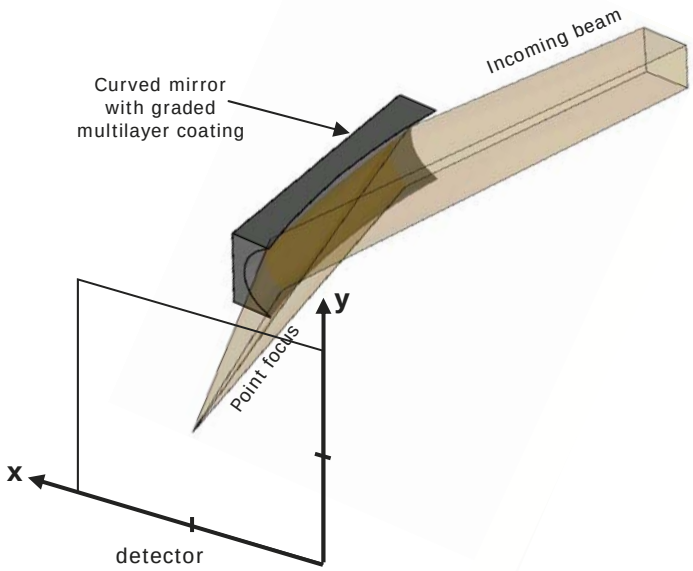
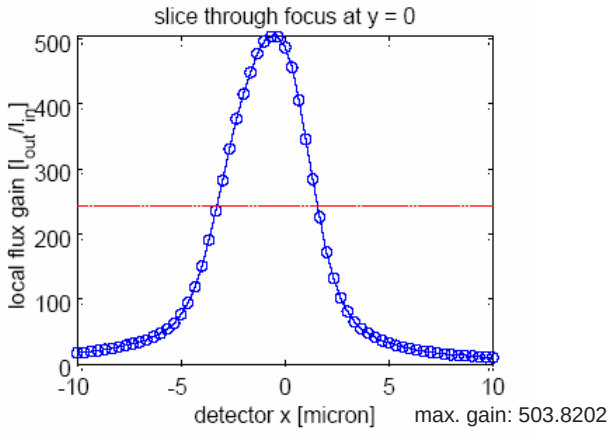
Application Note *FOX2D CU INF_12P* focusing optic

Application of the *FOX* optic on a synchrotron beamline
Preliminary results at 8 keV



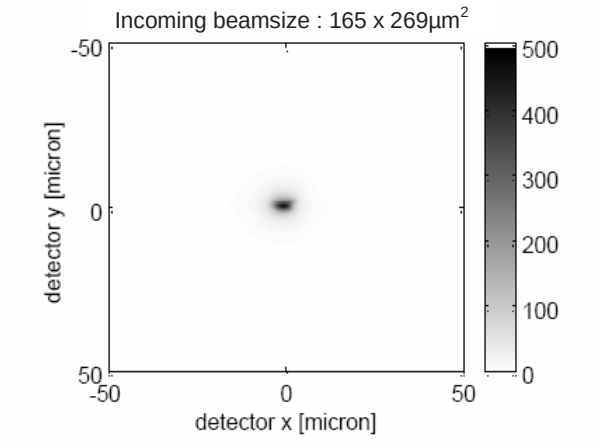
Data courtesy of Dr. Franz Pfeiffer

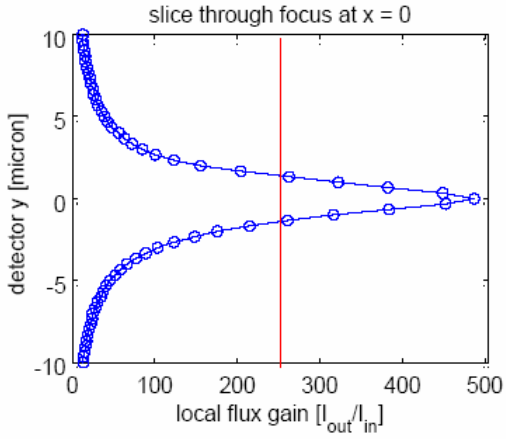
Material Science beamline
at the Swiss Light Source (SLS), Switzerland.



Results :

- The optics can efficiently compress a beam of the size ~ 0.2 x 0.2 mm² into a ~ 4.5 x 2.5 µm² spot size. [If the point spread function of the detector is taken into account, this value is even smaller, i.e. somewhere around ~ 3 x 1.5 µm²].
- A maximum local gain value of ~ 500 was measured.





DMC-040903-FOX2D CU INF_12P preliminary tests-01

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