

## New X-ray LAUE camera

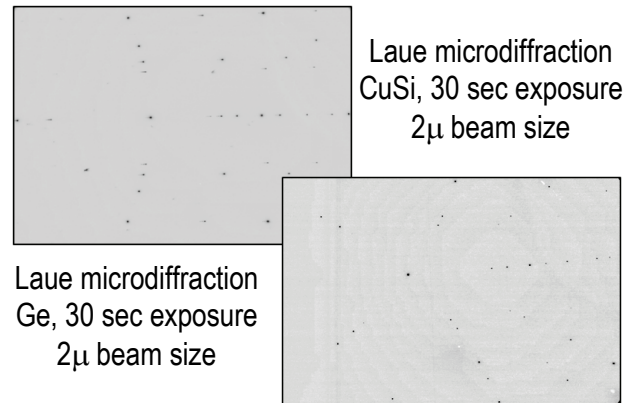
### Laue Microdiffraction imaging

Photonic Science delivers a new generation of detectors for both laboratories and synchrotrons wishing to carry out systematic bulk and micro crystal orientation.

The cameras allows unique back scattered geometry with collection time varying from near real time to a few minutes, depending on source, detector and crystal combination. Automated sample rotation, combined with shutterless acquisition brings simpler and more flexible data collection routines.

The acquisition software delivers ready to be indexed digital images. Useful on line tools such as angle, intensity and profile measurements are available from either a Laptop or desktop computer. Indexation of Laue patterns can be performed off line using dedicated software packages.

Laue systems can be upgraded with turnkey solution integrating a complete beam delivery to detector setup. Very high resolution options allowing strain analysis studies are available on demand.



Images courtesy X.Biquard, CEA/CNRS, BM32 @ ESRF

## New Neutron Laue camera

### CYCLOPS, a neutron CCD detector

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<http://www.ill.fr/dif/2000>

**A  $4\pi$  neutron detector with  $>10^9$  n.cm<sup>-2</sup>.sec<sup>-1</sup> on the sample.**

- An Octagonal Array of Neutron Scintillators
- X16 image-intensified cooled CCD cameras
- 20 Mega-pixels, 160x160 micro resolution
- 70% of  $4\pi$  with sub-second read-out.
- Focussing super-mirror thermal guide.
- Real-time Reciprocal Space Surveys.

