

Instrumentation for micro-tomography experiments at BL47XU

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1. Introduction and explain about BL47XU
 - (a) Optics hutch
Liquid nitrogen cooled monochromator and mirrors
 - (b) Experimental hutch
Micro-tomography, HAX-PES
2. how to find the X-ray beam
3. monochromator adjustment
 - (a) fixed-exit, energy calibrations
4. measurement the characteristics of beam
 - (a) flux
 - (b) stability
5. micro-tomography setup
 - (a) high-precision stages
 - (b) high spatial resolution image detector
6. micro-tomography measurement
 - (a) 15min. scan
 - (b) Tomographic reconstruction with cluster PC