

MASSIF-3

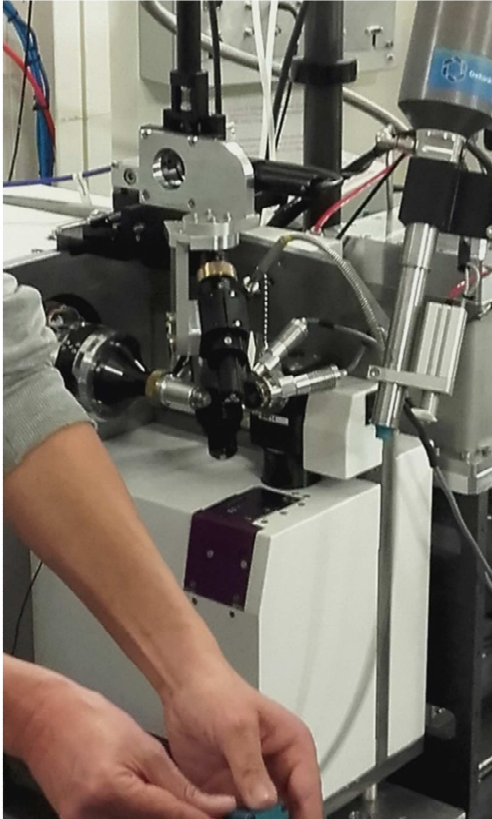
# Beam line characteristics

- BL:
  - Fixed energy (12.81 keV), side diffraction Si111 monochromator (LN2 cooled)
  - Moderate  $\mu$ -focus ( $\sim 15\mu\text{m}$  diam)
  - High flux ( $\sim 1.5 \cdot 10^{13}$  ph/s)
- Exp setup:
  - MD2 (from BM14)
  - Flex HCD (unipuck + SC3 pucks)
  - Eiger 4M detector (up to 750 Hz frame rate,  $75 \times 75 \mu\text{m}^2$ ,  $155.2 \times 162.5 \text{ mm}^2$ )
  - Best resolution :  $1.52 \text{ \AA}$

# Developments

- Fast meshes
- Automatic data collection workflows
- Test bench for jet flow experiments
- Moveable beam stop along beam direction, allowing larger accessible volume at sample position (microfluidics, etc...)
  
- Future:
  - Fast omega rotation (up to 720 deg/s) in March
  - mxCuBE3 probably in March (requires new control PC installation)
  - MicrospecNG (compatible with microdiff MD2)

# MicrospecNG (D. Von Stetten, O. Hignette, P. Theveneau)



- screenshot (with a green LED light source)
- motorized alignment along the light path for focussing onto the sample
- focus size seems  $\sim 25 \mu\text{m}$ ,



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