



Contribution ID: 28 Contribution code: TUP17

Type: **Poster Presentation**

CXI end station at Softimax beamline MAX IV

Tuesday 16 September 2025 17:00 (1 hour)

A documentation of the design and production process of the CXI (coherent x-ray imaging) end station at SoftiMAX, a soft X-ray beamline at MAX IV. The station needs to allow practical removal from the beam allowing for visiting end stations. The diffracted light from the sample should be captured by a detector at a widely adjustable angle. The detector position longitudinally from the sample should be very adjustable both inside the chamber but also by extending the vacuum from ports on the side of the chamber. Going into key specifics of the mechanical solutions chosen to accommodate the scientific requests as well as describing the failures and solutions along the way.

Footnotes

Funding Agency

Author: JOHANSSON, Niklas (MAX IV Laboratory)

Co-authors: Mr MALM, Erik (MAX IV Laboratory); GONZÁLEZ FERNÁNDEZ, Joaquín (MAX IV Laboratory); SCHWENKE, Jörg (MAX IV Laboratory)

Presenter: JOHANSSON, Niklas (MAX IV Laboratory)

Session Classification: Tuesday Poster Session

Track Classification: BEAMLINES: End Stations