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Experimental station at MicroMAX

Tuesday 16 September 2025 17:00 (1 hour)

MicroMAX is the second macromolecular crystallography (MX) beamline at MAX IV designed primarily for time resolved studies of microcrystals using novel sample delivery methods grouped under Serial Synchrotron Crystallography (SSX) as well as conventional rotation data collection. Samples can be studied in the range from room temperature to 90 K. Time resolved studies are supported by a tuneable nanosecond laser. The experimental station has two area detectors (Eiger2X 9M CdTe, and Jungfrau 9M); an Arinax MD3-UP goniometer; an Irelec ISARA sample changer with a liquid nitrogen dewar capable of storing 29 Unipucks (464 samples); a beam conditioning unit; and a granite gantry for supporting additional equipment. The inhouse designed instrumentation includes the detector support for the two detectors, the sample table with six degrees of freedom, the gantry, as well as the beam conditioning unit and the mirror system and their support.

Footnotes

Funding Agency

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