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In-line Sample viewer for sample alignment and visualization in SAXS/WAXS experiments at the CoSAXS Beamline at MAXIV Laboratory.

Tuesday 16 September 2025 17:00 (1 hour)

The CoSAXS beamline at MAX IV Laboratory has incorporated an in-line sample viewer. This new feature allows users to visually monitor and optimize the sample position within the beam path directly, which is crucial for experiments requiring precise micrometric alignment. The in-line viewer is designed to support intricate experimental setups such as microfluidics, where precise control of fluid flow and sample positioning is essential. The viewer is particularly helpful for TR-XSS, where experiments involve triggering structural changes with a laser and then rapidly collecting X-ray scattering data. Precise alignment is needed to ensure accurate measurements. The primary goal of the in-line viewer is to enable users to achieve and maintain micrometric precision in sample positioning, which is often necessary for advanced experiments.

Footnotes

Funding Agency

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