

Session Program

27 June 2025



Mini-Workshop on Data-Flows for Intelligent Sensing

SLAC June 27th, 2025

AUREIS mini-workshop on data-flows for Intelligent Sensing

Coherent Diffractive Imaging

SLAC, 40/1-195 - Sycamore

Friday 27 June

08:20

Coherent Diffractive Imaging

Session | **Location:** SLAC, 40/1-195 - Sycamore | **Convener:** Arianna Gleason

08:20–08:40

GPU-based real-time data-reduction approaches for LCLS-II

Speaker

Paul O'Grady

08:40–09:00

Thoughts on on-chip data processing for X-ray detectors

Speaker

Antonino Miceli

09:00–09:20

Pre-processing pipeline for ptychographic imaging

Speaker

Kevin Mertens

09:20–09:40

AI-enabled workflows at the hard X-ray nanoprobe beamline

Speaker

Tao Zhou

09:40–10:00

Structured light for surpassing optics and detector limitations

Speaker

Doga Gürsoy

10:00