

X-ray Sensor Joint Workshop - From Soft to Hard X-rays

Monday 12 January 2026 - Friday 16 January 2026

ETH

Scientific Programme

Soft X-ray Detectors

Applications

Applications and detector requirements in the soft X-ray energy range

Sensor fabrication and technologies

Sensor design and manufacturing for optimized soft X-ray detection, covering CCD, CMOS, LGAD technologies, etc.

Sensor and detector characterization

Sensor characterization and detector calibration techniques

Detector Systems

Design and commissioning of soft X-ray detectors

HiZPAD

(High-Z) Detector Development

Current focus GaAs:Cr, CdTe, CZT, Perovskites, but open more exotic materials like PbS QDs.

High-Z sensors

Contacts, interconnects and material characterization

Applications of high-Z detectors in Photon Science

Detector requirements for application for high photon energies