10. Annual MT Meeting



Contribution ID: 15 Type: not specified

Detector data processing for photon science

Increasing data rates in photon science experiments mean that there is demand to perform data reduction close to the detector, to reduce the workload on later stages of data processing, transfer and storage. We have developed machine-learning based methods for reducing data in serial crystallography experiments by rejecting bad images. Additionally, we implemented the algorithm on CPU, GPU and FPGA, with the aim of doing fast hardware-accelerated data reduction in a detector DAQ PC.

Speed talk:

Normal speed talk selection

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Session Classification: Poster