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Progress in Developing Novel Germanium Detectors at NSLS-II

Thursday 29 August 2024 11:40 (20 minutes)

At NSLS-II we have a program to develop new detectors based on germanium, to satisfy a demand for detectors with better efficiency at higher x-ray energies. These detectors range from few-element devices with individual readout electronics, to 384-element monolithic strip detectors with multichannel ASIC readout. These have found application on NSLS-II beamlines for a range of applications. We will describe the detectors and their readout systems, and discuss some of the applications.

I plan to submit also conference proceedings

Yes

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