

Using TimePix3 detector for neutron and X-ray studies

Thursday 29 August 2024 16:00 (2 hours)

The 65k pixel TimePix3 chip with ToA of 1.5625 [ns] nominal time resolution, allows timing and imaging studies using X-ray, neutron, and electron spectroscopies. The EPICSADTimePix3areaDetectordriver enables control and integration into the beamline acquisition system. This presentation will discuss the recent development of the beamline integration of the detector into neutron beamlines and selected results**.

Footnotes

<https://epics-controls.org><https://github.com/areaDetector/ADTimePix3><https://github.com/areaDetector>**F. Funama et al., “Scintillator-based Timepix3 detector for neutron spin-echo techniques using intensity modulation”, Rev. Sci. Instr. 95, 033304 (2024), <https://doi.org/10.1063/5.0189920>

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