

# 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 EPICS *ADTimePix3areaDetector* driver 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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