



Contribution ID: 114

Type: **20-minute talk**

## ADTimePix3

*Tuesday, 25 April 2023 14:00 (20 minutes)*

Detectors based on TimePix3 chips are complementary to existing image-based detectors. In addition to the 2D image, the TimePix3 chip allows the collection of time information of each hit down to the nanosecond level. The timing capabilities allow new possibilities in particle and photon data collection, by providing not only characterization of accelerator source but also science related to timed dynamics. The timing capabilities of the TimePix3 detector allow neutron measurements such as energy using Time of Flight mode. EPICS driver for the TimePix3 detector is a major step in the development of the science within modern neutron and synchrotron facilities.

### **Please select if talk will be in person or on zoom**

In person

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**Session Classification:** Plenary Session

**Track Classification:** areaDetector