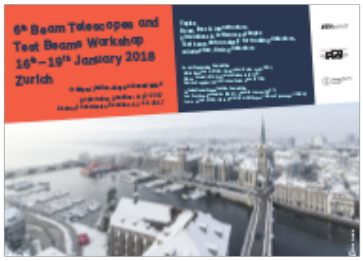

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Progress of the AIDA-2020 Trigger Logic Unit (TLU)

Wednesday 17 January 2018 13:55 (15 minutes)

The AIDA-2020 Trigger/Timing Logic Unit (TLU) is a piece of hardware that distributes signals to the detectors participating in a beam test. These signals allow the data from the different detectors corresponding to the same particle to be combined. The AIDA-2020 TLU is a development of TLUs designed for the AIDA and EUDET programmes. The original EUDET TLU was designed with only pixel beam telescopes operating at the DESY beam areas in mind. The AIDA-2020 TLU has been enhanced with respect to previous versions and is designed to interface to prototype Calorimeter detectors as well as being able to operate at the much higher particle flux available at, for example, the CERN beam test areas.

The AIDA-2020 TLU in integrated with the EUDAQ2 DAQ framework.

The current status of the AIDA-2020 TLU is presented, together with preliminary results from beam-tests where it has been used.

Primary author: Dr CUSSANS, David (University of Bristol)

Co-author: Dr PAOLO, Beasso (University of Bristol)

Presenter: Dr CUSSANS, David (University of Bristol)

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