

LHCb DAQ for strip detectors

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We present details of a readout system for strip detectors, using LHCb Beetle chips and TELL1 DAQ. The front-end chip takes analogue samples from each strip at 40MHz. External triggering and time measurement are required to select hits on the sensors.

The system has very recently been used at the ATLAS 3D testbeam, with 3D-STC strips (produced by Trento, tested by Freiburg) and with n-on-p strips using FZ and MCz substrates.

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