

The test of the SciFi Tracker electronics for LHCb upgrade

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The LHCb Upgrade will replace the electronics of all subdetectors to cope with a hardware triggerless readout at 40 MHz. For the tracker system, the current T1-T3 stations will be fully replaced by the SciFi tracker system based on the scintillating fibre technology. The front-end read-out boards, which are connected to the SiPMs, are co-designed by the Tsinghua and Heidelberg groups. A quality assurance (QA) system is also designed to test the read-out board and the PACIFIC ASICs on the board. This talk will introduce the test flow and the test results of the ASICs and the boards.

Type

Parallel talk

Sessions (parallel only)

Detector performance and upgrade

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