

The LHCb Upstream Tracker

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The LHCb experiment is a forward spectrometer at the Large Hadron Collider designed to study the decays of beauty and charm hadrons. During the recently concluded data-taking phase, LHCb produced a vast dataset in flavour physics and in additional physics topics that take advantage of the forward acceptance of the experiment.

In the ongoing second long shutdown, a major upgrade of the detector is being installed and commissioned. The upgraded detector will take data at higher luminosity and will implement a flexible software trigger that requires all the detector components to push out their full information at 40 MHz. The Upstream Tracker is a new silicon strip detector placed upstream of the LHCb bending magnet, composed of four planes of silicon microstrip detectors.

This contribution presents a brief overview of the different components of the readout followed by an update on their status and the challenges solved in the course of installation and commissioning.

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