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The LHCb Upgrade tracking

The LHCb experiment, the unique installed on the LHC specifically designed for the study of heavy flavor Physics, is planned to be upgraded on 2020 with the aim to collect even larger and pure data samples than what is now possible.

To achieve this goal, the LHCb tracking detectors and strategies will be upgraded, to make it feasible the full-event reconstruction in real time at the LHC bunch crossing rate of 40 MHz, by a purely software trigger.

In the poster, the LHCb Upgrade tracking detectors and strategies will be presented, with emphasis on the reconstruction of track momentum using the SciFi detector.

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