

Operation and performance of LHCb Upstream Tracker

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The Upstream Tracker (UT) is a four-layer silicon microstrip detector installed during the LHCb upgrade I. The UT is crucial for reconstructing charged particle trajectories, especially for long-lived particles beyond the acceptance of the vertex detector. The operation of the UT, including calibration, monitoring and strategies of tackling single-event upset issue will be addressed in this talk. Performance results since the first year of run3 data-taking with the UT in global at LHCb, regarding of the hit and tracking efficiency will also be mentioned, as well as the preliminary maintenance plan for the long shutdown 3 of the LHC.

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