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Performance of the Tracking System at the LHCb Experiment

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The LHCb detector is a forward spectrometer. Its tracking system consists of silicon strip detectors and straw tube drift chambers. The LHCb experiment is dedicated to the reconstruction of B decays into many particle final states. For a high B reconstruction efficiency a high efficient track reconstruction is crucial. We will report on the performance of the individual tracking subdetectors in terms of hit resolution and detector efficiencies as well as on the overall track reconstruction performance.

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