

Recent improvements and prospects with flavour tagging at LHCb

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Precision measurements of time-dependent CP violation and of mixing parameters in the neutral B meson systems are bound to the ability to identify the production flavour of reconstructed b hadrons. The harsh environment of proton-proton collisions at LHC constitutes a challenging environment for flavour tagging and demand for novel and improved strategies. We present recent progress and new developments in flavour tagging at the LHCb experiment, which will allow for a further improvement of CP violation measurements in decays of B^0 and B_s^0 mesons.

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