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Flavour tagging at LHCb

Monday 4 June 2012 17:00 (20 minutes)

The identification of the flavour of reconstructed Bd and Bs mesons at production is necessary for the measurements of oscillations and time-dependent CP asymmetries. The calibration and performance of opposite-side flavour tagging algorithms have been developed using simulated events and optimized and calibrated with different flavour specific B decays with ˜1 fb−1 of data collected in pp collisions at √s=7 TeV during the 2011 physics run. Using flavour tagging LHCb has performed, among others, new measurements of Delta m_s, of the CP violating Bs mixing phase φs and of direct and mixing-induced CP violation in B->hh decays.

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Collaboration Name
Please enter the name of
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ABC Collaboration

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