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Charmless multibody B decays at LHCb

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The study of CP violation in charmless B decays is of great interest as penguin and tree-level topologies contribute to the decay amplitudes with comparable strengths. The former topologies may be sensible to new particles appearing in the loops as virtual contributions. However the interpretation of physics quantities in terms of CKM parameters is not trivial due to strong-interaction effects between quarks. Amplitude analyses over the phase space of multibody charmless B decays allows the extraction of relevant information to refine the model describing the dynamics of strong interaction. In this presentation the most recent measurement analyses of multibody charmless B decays at LHCb are presented.

Collaboration / Activity

LHCb

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