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CP violation in charmless 2-body B meson decays at LHCb

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Measurements of CP asymmetries in charmless two-body B-meson decays can be a powerful way to provide stringent tests of the Standard Model. In particular a longstanding anomaly in the CP asymmetries of B decays to a kaon and a pion, known as the $K\pi$ puzzle, can be a hint of physics beyond the Standard Model. We present new results from the analyses of charmless 2-body B decays with kaons and pions in the final state at LHCb.

Collaboration / Activity

LHCb

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