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Measurements of CP violation and mixing in two body charm decays

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LHCb has collected the world's largest sample of charmed hadrons. This sample is used to search for direct and indirect CP violation in charm, and to measure D^0 mixing parameters. New updated measurements from several decay modes are presented, with complementary time-dependent and time-integrated analyses. We report on recent measurements of CP asymmetries in $D \rightarrow KK$ and $D \rightarrow \pi\pi$ decays using the full LHCb dataset.

Summary

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Clasificación de la sesión : Flavour Physics

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