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Measurement of CPV gamma angle

The angle γ is the least experimentally known parameter in the CKM unitarity triangle. Its determination in decays induced by tree-level b⟶c and b⟶u transitions is largely unaffected by new physics contributions. The ultimate goal of reaching a degree-level precision requires the exploitation of all possible channels and techniques. We present here the latest measurements on the CKM angle γ in a diverse range of decay modes, notably including the measurement of γ from the $B \to DK$ and related modes and from Dalitz plot analyses of $B^0 \to DK\pi$ and $B^0 \to DK^*$ decays. We also present the combination of all LHCb γ related measurements, which is the most precise single experiment combination to date.

Summary

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