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Symmetries in charm mesons and baryons from Belle/Belle II

Tuesday 30 August 2022 09:30 (30 minutes)

We present recent results of charm CP symmetry violation (CPV) based on about 1 ab^{-1} collected at the Belle experiment, including the decay asymmetry parameters (α) and α -included CP asymmetry (A_{CP}^α) for decays of Λ_c^+ and Ξ_c^0 baryons, search for CPV via time-integrated CP asymmetry in D three-body decays and T-odd asymmetry in D four-body decays, lepton flavor universality test in Ξ_c^0 and Ω_c^0 semileptonic decays, etc. We also introduce the status of Belle II and prospects of charm CPV.

Scientific topic

Symmetries

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Session Classification: Symmetries