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Type: **Parallel Talk**

Branching fractions and CP asymmetries in B decays through $b \rightarrow c$ process at Belle

Thursday, 7 July 2022 09:00 (17 minutes)

We report results of the branching fractions $\mathcal{B}(\bar{B}^0 \rightarrow D^{*+}\pi^-)$ and $\mathcal{B}(\bar{B}^0 \rightarrow D^{*+}K^-)$ measured using 772×10^6 B -meson pairs recorded by the Belle experiment at the KEKB asymmetric-energy e^+e^- collider. The measurements provide a precise test of QCD factorization. We also report the study of the branching fraction $B^+ \rightarrow D_s^{(*)}(\eta, K_S)/D^+(\eta, K_S)$ and the time-dependent CP asymmetry in $B \rightarrow \eta_c K_S$. The latter measurement provides information about $\sin 2\phi_1$.

In-person participation

Yes

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