



Contribution ID: 589

Type: Parallel Talk

Radiative and electroweak-penguin B decays at Belle

Saturday, 9 July 2022 09:00 (17 minutes)

The radiative and electroweak-penguin B decays mediated via $b \rightarrow s\gamma$ and $b \rightarrow s\ell^+\ell^-$ transitions, respectively, are sensitive to new physics since new heavy particles can enter in the loop altering decay branching fractions and other kinetic observables. Search for the lepton-flavor violation and the test of lepton-flavor universality through these processes are also of topical interest. In this presentation, we report measurements of $B \rightarrow K^*\tau\tau$, $B \rightarrow K\tau\ell$, $B \rightarrow K_S^0 K_S^0 \gamma$ and $B \rightarrow p\Lambda\gamma$ using 772×10^6 B -meson pairs recorded by the Belle experiment at the KEKB asymmetric-energy e^+e^- collider. The talk may also cover a few topics on other rare B and B_s decays from Belle.

In-person participation

Yes

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