## 27th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY2019)

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## Measurements of B -> D(\*) tau nu and B -> mu nu at Belle

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Indications for lepton flavour universality violation in the mode  $B \rightarrow D(\)$  tau nu have been of interest and can be a hint for the New Physics effect.

We report a new measurement on R(D) and R(D), branching ratio of B -> D(\) tau nu over B -> D(\) l nu where l = e, mu, using semi-leptonic tag method.

We also report our new measurement on B -> mu nu, which is also sensitive to New Physics.

The analyses are based on the full data set recorded by the Belle detector at the Y(4S) resonance containing 772 million BBbar pairs from e+ e- collisions produced by the KEKB collider.

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