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## Lepton Flavour Universality in B Decays and Other Recent Results at Belle

Wednesday, 5 June 2019 15:00 (30 minutes)

Indications for lepton flavour universality violation in the mode  $B \rightarrow D(\ell) \tau \nu$  and  $B \rightarrow K(\ell) l^+ l^-$  have been of interest

and can be a hint for the New Physics effect.

We report new measurements on  $R(D)$  and  $R(D^*)$  (branching ratio of  $B \rightarrow D(\ell) \tau \nu$  over  $B \rightarrow D(\ell) l \nu$  where  $l = e, \mu$ ) the semi-leptonic tag method,

and on  $R(K^*)$  (branching ratio of  $B \rightarrow K^* \mu^+ \mu^-$  over  $K^* e^+ e^-$ ).

A few more results from Belle experiment are also covered.

The analyses are based on the full data set recorded by the Belle detector at the  $\Upsilon(4S)$  resonance containing 772 million  $B\bar{B}$  pairs from  $e^+ e^-$  collisions produced by the KEKB collider.

### Collaboration name

Belle

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