

## New results on $R(D)$ and $R(D^*)$ from Belle

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indications for lepton flavour violation in the mode  $B \rightarrow D(\tau) \tau \nu$  have triggered substantial interest and could be a hint for New Physics effects such as a charged Higgs or leptoquark current. We report new results from the Belle experiment at the KEKB  $e^+e^-$  collider on  $R(D)$ ,  $R(D^*)$  and on the longitudinal polarisations of the  $D$  and  $\tau$  in the decay  $B \rightarrow D \tau \nu$ . Belle results on the purely leptonic modes  $B \rightarrow \mu \nu$  and  $B \rightarrow l \nu \gamma$  will also be 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.

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