

Precision measurements of τ lepton decays at Belle II

Thursday 18 July 2024 15:15 (15 minutes)

The Belle II experiment has collected a 424 fb^{-1} sample of e^+e^- collision data at centre-of-mass energies near the $\Upsilon(nS)$ resonances. This sample contains 389 million $e^+e^- \rightarrow \tau^+\tau^-$ events, which we use for precision tests of the standard model. We present measurements of leptonic branching fractions, lepton-flavour universality between electrons and muons, the tau mass and the Cabibbo-Kobayashi-Maskawa matrix element V_{us} .

Alternate track

1. Top Quark and Electroweak Physics

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Yes

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Session Classification: Quark and Lepton Flavour Physics

Track Classification: 05. Quark and Lepton Flavour Physics