

# Precision measurements of $\tau$ lepton decays at Belle II

*Monday 27 May 2024 14:15 (15 minutes)*

The Belle II experiment has collected a  $424\text{fb}^{-1}$  sample of  $e^+e^-$  collision data at center-of-mass energies near the resonances  $\Upsilon(nS)$ . This sample contains 389 million  $e^+e^- \rightarrow \tau^+\tau^-$  events, which we use for precision tests of the standard model. In this talk, we focused on the measurements of the tau-lepton mass and tests of Lepton Flavor Universality (LFU) between electrons and muons.

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