

The tau mass measurement at Belle II

Using the Belle II data from the early Phase III data taking, we reconstructed the tau leptons using the 3-prong τ decays. This decay mode is used for the tau-lepton mass measurement using the pseudomass technique developed by the ARGUS experiment. Though this measurement is expected to be limited by statistics and imperfect knowledge of the detector performance, we foresee that Belle II will provide the best tau mass measurement using the pseudomass technique once a larger data set with fully understood and operational detector components is available.

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