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Sensitivity study of the measurement of the branching fraction of $B^+ \rightarrow \tau^+ \nu$ decays at the Belle II experiment

Friday, 21 April 2017 19:00 (8 minutes)

The Belle II experiment is located at the KEK High Energy Accelerator Research Organization in Tsukuba, Japan.

It is designed to perform measurements in all fields of heavy flavour physics, including measurements of rare B decays.

This talk presents the recent progress in the hadronic and semileptonic tagging algorithm, current sensitivity studies

for the future measurement of $B^+ \rightarrow \tau^+ \nu$ at Belle II, and the validation of the newly developed reconstruction tools

on the full dataset recorded by the preceding Belle experiment.

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