

Trigger efficiency measurement using $e^+e^- \rightarrow \tau^+\tau^-$ events at Belle II

Wednesday, July 29, 2020 7:40 PM (15 minutes)

The Belle II detector was completed with the installation of a silicon vertex detector that covers most of the solid angle around the interaction region. In 2019 Physics Run before summer shutdown, 5.15 /fb of data were collected at a center of mass energy corresponding to the mass of the $Y(4S)$.

We present the measurement of the L1 and high-level trigger efficiencies at Belle II using the τ -pair events. The 1×3 , 3×3 , 1×5 and 1×1 τ -pair decay modes are considered. These measurements were performed using the e^+e^- collision data recorded by Belle II during the early Phase III of data taking.

I read the instructions

Secondary track (number)

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Session Classification: Operation, Performance and Upgrade of Present Detectors

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