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Cabibbo-Kobayashi-Maskawa matrix related measurements at Belle and Belle II

Tuesday 20 May 2025 18:00 (15 minutes)

The Belle and Belle-II experiments have collected a 1.1 ab^{-1} sample of $e^+e^- \rightarrow B\bar{B}$ collisions at a centre-of-mass energy corresponding to the $\Upsilon(4S)$ resonance. These data allow measurements of CP violation and the Cabibbo-Kobayashi-Maskawa matrix elements in B -meson decay. In particular, we measure the CP -violating phase ϕ_1/α and $|V_{cb}|$. In addition, we present constraints on the branching fractions of $B^+ \rightarrow \ell^+ \nu$ ($\ell = \mu, \tau$), which are related to $|V_{ub}|$.

Mini Symposia (Invited Talks Only)

Plenary (Invited talks only)

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