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Type: **Talk**

Semileptonic and missing energy B decays at Belle II

Wednesday 28 August 2024 17:40 (20 minutes)

The Belle II experiment has collected a 364 fb^{-1} sample of e^+e^- collisions at the $\Upsilon(4S)$ resonance. This dataset, with its low particle multiplicity and well-constrained initial state, provides an ideal environment for studying semileptonic and missing energy B decays. In this talk, I will present recent results on these decays, emphasizing their impact on the determination of CKM matrix elements and potential new physics. I will also discuss the techniques used for missing energy reconstruction and the challenges of signal-background discrimination. Future analysis prospects with larger data sets will also be highlighted.

Internet talk

No

Is this an abstract from experimental collaboration?

Yes

Name of experiment and experimental site

Belle II

Is the speaker for that presentation defined?

Yes

Details

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