

Phenomenology 2019 Symposium



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Asymmetry Observables and the Origin of $R_{D^{(*)}}$ Anomalies

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The $R_{D^{(*)}}$ anomalies are among the longest-standing and most statistically significant hints of physics beyond the Standard Model. In this talk, we investigate future measurements at Belle II that can be used to tell apart the various new physics scenarios for these anomalies. We show that Belle II can use a number of τ asymmetry observables (forward-backward asymmetry and polarization asymmetries) which can be reconstructed at Belle II to distinguish between various possible new-physics scenarios.

Summary

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