

30th International Symposium on Lepton Photon Interactions at High Energies



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Hadronic B decays at Belle II

Wednesday, January 12, 2022 10:00 AM (20 minutes)

The analysis of B-meson decays to charmed and charmless hadronic final states is a keystone of the Belle II physics program. It allows for theoretically reliable and experimentally precise constraints on the CKM Unitarity Triangle fit, and is sensitive to effects from non-SM physics. Results on branching ratios, direct CP-violating asymmetries, and polarization of various channels, with particular emphasis on those for which Belle II will have unique sensitivity, are shown. Perspectives on the precision achievable on the CKM angles α/ϕ_2 and γ/ϕ_3 , and on the so called “ $K\pi$ puzzle” are also discussed.

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Session Classification: Quark and charged lepton flavour

Track Classification: Flavour