

Hadron Spectroscopy at Belle and Belle II

Monday, 16 October 2023 11:30 (30 minutes)

Belle II, which commenced data acquisition in 2019, has already yielded research results in hadron spectroscopy. The e^+e^- collision data, taken at or near the $\Upsilon(4S)$ resonance, are well-suited for studying hadrons with a high-performance detector system. In this presentation, we will show the latest research outcomes in hadron spectroscopy, including searches for the hidden bottom transitions between $\Upsilon(10753)$ and bottomonia, measurements of the energy dependence of the $e^+e^- \rightarrow B^{(*)}\bar{B}^{(*)}$ cross-section, and lifetime measurements of charmed hadrons. The talk also covers recent results from the Belle experiment, which ended operation in 2010. Notably, we will reveal a threshold cusp observed at the $\Lambda\eta$ threshold in the pK^- system and new $\Lambda\pi$ signals observed near the $\bar{K}N$ mass threshold in the Λ_c^+ decays.

Parallel Session

Invited Plenary Talk

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Session Classification: Plenary talk