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CP Violation in Baryon Decays at LHCb

While CP violation (CPV) is well established in meson decays, its observation in baryon decays remains an open challenge. The LHCb experiment, designed to study CP violation in particles containing $b\bar{b}$ quarks, has collected an unprecedented dataset, offering a unique opportunity to probe CP asymmetries in baryon decays. This talk will present the latest LHCb results on CPV in baryon decays, with a focus on charmless beauty decays, discussing their implications and prospects for future measurements.

Secondary track

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