

Exploring CP Violation in Charged Semileptonic Decays

Friday, September 27, 2024 9:00 AM (30 minutes)

This talk will focus on the measurement of CP violation in charged semileptonic decays. We will present the current status and prospects of precision measurements of CP asymmetry in B_0 and B_s meson systems, which serve as stringent tests of the Standard Model. Additionally, we will explore the potential for CP asymmetry induced by new physics, emphasizing its role as a powerful null-test of the SM. In this context, we will delve into direct CP violation in semileptonic decays and the investigation of triple product asymmetry in these decays, highlighting their significance in the search for new physics.

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Session Classification: Other