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Measurements of charm lifetimes at Belle II

Monday, July 17, 2023 5:00 PM (30 minutes)

Charm physics, involving a heavy up-type quark, offers a pathway to search for new particles and couplings beyond the Standard Model complementary to that of B physics. A program based on precision measurements of charm lifetimes is now underway at Belle II, and benefits from the detector's outstanding vertexing performance and low-background environment. Recent results from measurements of D_s meson and Ω_c baryon lifetimes are presented.

Consent

I consent to recording/broadcasting my presentation.

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