



Contribution ID: 30

Type: **invited plenary talk**

Measurements of charm lifetimes at Belle II

Monday 17 July 2023 17:00 (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.

Primary author: SCHWARTZ, Alan (University of Cincinnati)

Co-author: VAHSEN, Sven (University of Hawaii)

Presenter: SCHWARTZ, Alan (University of Cincinnati)

Session Classification: Plenary