



Contribution ID: 30

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## 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  $\Omega_c$  baryon lifetimes are presented.

### Consent

I consent to recording/broadcasting my presentation.

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