

# Charm Physics Confronts High-pT Lepton Tails

*Thursday 16 April 2020 15:00 (30 minutes)*

I present a phenomenological investigation of possible short-distance new physics in (semi)leptonic charmed-meson decays. Using the Standard Model effective field theory, we demonstrate the complementarity with the production of high-pT leptons at the LHC. Our combined analysis of the latest low- and high-energy experimental data shows that much of the room for new physics in charm decays is challenged by the LHC high-pT data.

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