

Tests of lepton universality with semitauonic b-quark decays

Thursday, July 5, 2018 3:20 PM (20 minutes)

In the Standard Model, the three charged leptons are identical copies of each other, apart from mass differences. Experimental tests of this feature in semileptonic decays of b-hadrons are highly sensitive to New Physics particles which preferentially couple to the 2nd and 3rd generations of leptons. This talk will review the latest lepton universality tests in semileptonic $b \rightarrow c$ transitions at LHCb.

Presenter: LEROY, Olivier (Aix Marseille Univ, CNRS/IN2P3, CPPM, Marseille, France)

Session Classification: Quark and Lepton Flavor Physics