



Contribution ID: 132

Type: **Talk**

Tests of Lepton Flavour Universality and searches for Lepton Flavor Violation at LHCb

Tuesday 5 July 2016 15:20 (20 minutes)

The Standard Model predicts, with small uncertainties, the ratios of branching fractions of rare decays involving different lepton flavours to be unity up to lepton mass corrections. The universality of lepton couplings has been tested using the LHCb run 1 dataset, resulting in some tensions with the predicted values. Lepton non-universality would be a major departure from the Standard Model and may also be accompanied by lepton flavour violation. Recent tests of lepton flavour universality and searches for lepton flavour violation decays at LHCb will be presented.

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Session Classification: Flavour Physics

Track Classification: Flavour Physics