



Contribution ID: 616

Type: **Parallel Talk**

LHC results on FCNC beauty decays

Thursday, 6 July 2017 09:30 (30 minutes)

Rare b-hadron decays, which proceed via flavour changing neutral current (FCNC) transitions, provide a powerful test of the Standard Model of particle physics. I will present a short review of recent results on rare FCNC transitions from the LHC experiments, and will discuss some interesting tensions that have started to appear between experimental measurements and the Standard Model predictions. I will also highlight areas where theoretical progress is needed to keep pace with increasing experimental precision.

Experimental Collaboration

LHCb

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Session Classification: Flavour and symmetries

Track Classification: Flavour Physics and Fundamental Symmetries