

## Test of Lepton Flavour Universality with B decays

Lepton flavour universality (LFU) is one of the distinctive features of the Standard Model. Any violation of LFU would be a clear sign of new physics. Existing hints of non universality are already present in the leptonic and semileptonic sectors. Semitauonic decays, in particular, are sensitive to contributions from non-Standard-Model particles that preferentially couple to the third generation of fermions, e.g. Higgs-like charged scalars. An overview of the latest LHCb results is presented.

### Summary

**Primary author:** HAMILTON, Brian (University of Maryland (US))

**Presenter:** HAMILTON, Brian (University of Maryland (US))