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【311】 Lepton Flavour universality test in $b \rightarrow sll$ decays at LHCb

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The coupling of electroweak gauge bosons to the three lepton families is universal in the Standard Model (SM). Possible extension of the SM do not necessarily have this property. Rare decays of heavy flavour particles may be affected by sizeable contributions in presence of New Physics which is not lepton universal. The precise study of such decays with B hadrons allow for a stringent test of the lepton universality in the SM. The recent experimental results from LHCb on lepton flavour universality in rare $b \rightarrow sll$ decays are discussed as well as prospects for such measurements in the coming years.

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