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【332】Review of flavour anomalies

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The concept of lepton universality is a cornerstone prediction of the Standard Model (SM). In the last few years, hints of lepton universality violation have been observed in both tree-level $b \to c l \nu$ and rare $b \to s l l$ beauty decays. These results, combined with the tensions observed in angular and branching fraction measurements of rare semileptonic decays, point to a coherent pattern of anomalies that could represent the first observation of Physics beyond the SM. This presentation will review these anomalies, will give an outlook for the near future and will discuss the way these measurements can be used to characterise possible New Physics scenarios.

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