

New Trends in High-Energy Physics



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Search for New Physics with LHCb

Lepton flavour violation and rare decays are excellent probes in search for physics beyond the SM. Recently hints of lepton universality violation have been observed in $b \rightarrow c l \nu$ and $b \rightarrow s l l$ decays. Combining with the tensions observed in angular and branching fraction measurements of rare semileptonic decays, it could be the first evidence of Physics beyond the SM.

Recent results on rare decays and searches for lepton-flavour violating decays from the LHCb experiment will be presented.

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