

Phenomenology 2020 Symposium



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Search for rare B decays with the LHCb experiment

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Decays that are very rare in the Standard Model are excellent probes for New Physics contributions, as the Standard Model background is low and contributions from New Physics can be sizeable. Recent measurements of decays with $b \rightarrow sll$ transitions show a pattern of anomalies, including some that hint at lepton flavour non-universal couplings.

This talk focuses on measurements that are motivated by the flavour anomalies described above, performed with the LHCb experiment. A recent search for very rare B decays with leptons in the final state will be presented.

Summary

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