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LHCb measurements of rare electroweak decays of b-hadrons

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In the Standard Model, decays mediated by $b \to sll$ are very suppressed making them sensitive to possible non-SM contributions.

The latest LHCb measurement of the branching fraction ratio of this process between electrons and muons was shown to be consistent with the Standard Model.

However, measurements of branching fraction and angular observables of $b\to s\mu\mu$ have shown an interesting pattern of tensions with the predictions.

This could be due to underestimated hadronic effects or non-SM contributions.

The most recent LHCb measurements as well as future prospects to understand this will be discussed in this talk.

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