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An overview of $b \rightarrow s\mu\mu$ decays at LHCb

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Rare B decays at LHCb, such as those mediated via $b \rightarrow s\mu\mu$ transitions, offer sensitivity to heavy New Physics particles. Over the last decade, a pattern of tensions between measured $b \rightarrow s\mu\mu$ decays and their Standard Model predictions have emerged. These tensions appear in both branching fraction ratios and angular analyses. This talk will give an overview of recent $b \rightarrow s\mu\mu$ measurements, performed with data collected by the LHCb experiment, and outline future prospects.

Collaboration / Activity

LHCb

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