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B anomalies and Lepton Flavour Universality

Wednesday, 19 October 2022 16:40 (30 minutes)

Over the last decade, measurements of both $b \rightarrow sl+l^-$ and $b \rightarrow cl\nu$ decays have consistently shown tensions with Standard Model predictions. These tensions are referred to collectively as the flavour or B anomalies. Key drivers of the flavour anomalies include measurements of Lepton Flavour Universality and of the angular distributions of $b \rightarrow sl+l^-$ decays. This talk will give an overview of the current status of the flavour anomalies and prospects for future measurements using data collected during the LHC Run 3.

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