CIPANP 2018 - Thirteenth Conference on the Intersections of Particle and Nuclear Physics

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Lepton Universality Violation

Wednesday, 30 May 2018 08:00 (35 minutes)

There is a wealth of experimental results questioning the deep-rooted assumption of lepton universality in flavour-changing interactions. Recently, several anomalies were reported by the LHCb collaboration and there is the long standing discrepancy of the anomalous magnetic moment of the muon. At the same time the large LHC experiments do not see clear signals of New Physics, and there are ever-more impressive limits on charged lepton flavour violation. A comprehensive overview of the anomalous results will be presented and their implications will be highlighted.

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