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Anomalous magnetic moments from asymptotic safety

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In this talk, we present an extension of the SM featuring vector-like leptons and uncharged scalars in the BSM sector. We show that this theory allows to accommodate for the discrepancies in both the muon and electron anomalous magnetic moments simultaneously, without explicit violation of lepton flavor universality. Moreover, the theory remains physical and predictive until the Planck scale and stabilizes the Higgs potential. We also highlight the most prominent phenomenological implications.

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