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Radiative neutrino mass models and the flavour anomalies

Thursday, 29 August 2019 14:00 (30 minutes)

After reviewing the motivation for radiative neutrino mass generation and a systematic approach to the construction of such models, I will present a specific model that features two scalar leptoquarks and a vector-like coloured fermion doublet. As well as generating neutrino mass at loop level, this theory can also fit the data hinting at lepton flavour universality violation in semi-leptonic B-meson decays. Muon to electron conversion on nuclei turns out to be a key experimental probe.

Working Group

WG5 : Neutrinos Beyond PMNS

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