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Type: **Invited Talk**

UV/IR Mixing and Physics Beyond the Standard Model

Tuesday 23 April 2024 15:30 (30 minutes)

UV/IR Mixing is an umbrella term for phenomena in which high and low energy physics does not decouple as expected, for example as a consequence of the fact that QFT does not respect holographic scaling. Based on how UV/IR mixing has been employed in the Cohen-Kaplan-Nelson (CKN) bound and advocated as a solution to the cosmological constant problem, we explore possible consequences of UV/IR mixing for particle physics phenomenology, from the hierarchy problem to neutrino mass generation and the anomalous magnetic moments of electrons and muons.

Presenter: PAES, Heinrich

Session Classification: Afternoon Session