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Neutrinos as a Window to New Physics

Tuesday, 29 June 2021 13:40 (50 minutes)

We discuss some of the manifold ways in which neutrino experiments can be leveraged to probe physics beyond the Standard Model. Topics covered will include searches for light dark sectors, constraints on Standard Model Effective Field Theory (SMEFT) using LHC neutrinos, and neutrino magnetic moments. In the latter case, we highlight interesting connections to the muon $g-2$ anomaly and to some of the quark flavor anomalies.

Presenter: KOPP, Joachim

Session Classification: Flavour phenomenology