

Neutrino phenomenology in the presence of light gauge bosons

Wednesday 29 June 2022 12:00 (30 minutes)

Neutrino masses and the existence of non-baryonic Dark Matter (DM) are, together with the Baryon asymmetry in the Universe, three pieces of evidence that the Standard Model is not the final theory of particle physics. In this talk, we will discuss scenarios with a gauged $U(1)'$ symmetry in the light of current and future coherent elastic neutrino-nucleus scattering experiments. We will also discuss how the generation of neutrino masses can be linked to the DM sector.

Author: PEINADO, Eduardo

Presenter: PEINADO, Eduardo

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