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New physics implications of COHERENT data

Tuesday, September 12, 2023 6:00 PM (15 minutes)

The observation of coherent elastic neutrino nucleus scattering (CEvNS) has opened the window to many physics opportunities. In this talk I will discuss the implication of the observation of CEvNS by the COHERENT Collaboration using two different targets, CsI and argon, on new physics scenarios. These include, for instance, new light mediators and the possible production of a dark fermion.

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