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Exploring neutrino electromagnetic properties with CEvNS

Tuesday 29 August 2023 17:45 (15 minutes)

The observation of neutral-current coherent elastic neutrino-nucleus scattering (CEvNS) at the COHERENT experiment has opened a new window to search for new physics beyond the Standard model. In this talk we will focus on the sensitivity of current CEvNS data to neutrino electromagnetic properties, such as the neutrino charge radius or the neutrino magnetic moment. The discovery potential of upcoming CEvNS experiments will also be discussed.

Submitted on behalf of a Collaboration?

No

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