NuFact 2021: The 22nd International Workshop on Neutrinos from Accelerators

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Exploring generalized neutrino interactions at the COHERENT

Thursday 9 September 2021 14:20 (18 minutes)

In this talk, we will discuss the potential to prove "generalized neutrino interactions", exotic new physics interactions beyond the Standard Model, in the coherent-elastic neutrino-nucleus scattering (CE ν NS) experiments in light of the latest COHERENT- CsI, and LAr data. We will discuss that how CE ν ES processes could constrain these exotic new physics effective couplings, and the related phenomenology. Finally, a model realization will be presented that can lead to such exotic couplings.

Working group

WG2

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