

## **CEvNS with the LBNF beamline and the nuBDX-DRIFT directional detector**

*Tuesday, May 24, 2022 9:39 AM (23 minutes)*

nuBDX-DRIFT is a directional low-pressure TPC detector suitable for measurements of coherent elastic neutrino-nucleus scattering (CEvNS) using a variety of gaseous target materials which include carbon disulfide, carbon tetrafluoride and tetraethyllead. In this talk, I will briefly discuss various aspects of the physics opportunities that measurements using the LBNF beamline offer. Special attention will be given to SM parameters measurements and searches for new physics.

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