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Probing sub-GeV dark matter at DUNE ND-LAr

Thursday, 3 December 2026 14:00 (30 minutes)

Sub-GeV dark matter coupled to a dark photon provides a well-motivated framework for exploring dark sectors. In this talk, we will focus on inelastic dark matter, discussing the mechanisms that determine its relic abundance and the prospects for probing its parameter space with DUNE's liquid-argon cube, which is part of the near detector (ND-LAr).

Academic position of the presenting author

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