

Snowmass Joint Workshop on New Physics Opportunities with Neutrino
Experiments: Theoretical & Experimental Perspectives

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New Proton Beam Dump Experiments at Fermilab: PIP2-BD and SBN-BD

Friday 11 February 2022 12:15 (15 minutes)

The PIP-II complex at Fermilab is slated for operation later this decade and can support MW-class proton fixed-target programs at both O(1 GeV) and O(10 GeV) in addition to the beam required for DUNE. In this talk we outline new opportunities for BSM searches at O(1 GeV) and O(10 GeV) proton beam dump facilities at Fermilab using existing and proposed neutrino detectors.

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Session Classification: Parallel Session 1: Accelerators/Short Baselines