

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

Wednesday, May 25, 2022 4:13 PM (23 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.

Author: TOUPS, Matthew

Presenter: TOUPS, Matthew

Session Classification: Electroweak, Neutrino