

Core-Collapse Supernove Burst Neutrinos in DUNE

Wednesday, July 29, 2020 4:20 PM (25 minutes)

The Deep Underground Neutrino Experiment (DUNE), a 40-kton fiducial mass underground liquid argon time projection chamber experiment, will be sensitive to the electron-neutrino-flavor component of the burst of neutrinos expected from the next Galactic core-collapse supernova. Such an observation will bring unique insight into the astrophysics of core collapse as well as into the properties of neutrinos.

The talk will cover recent progress on detection and reconstruction of supernova burst neutrinos in DUNE, including the contribution of the light detection systems.

I read the instructions

Secondary track (number)

Neutrino Physics

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