

## New Perspectives



Contribution ID: 27

Type: **not specified**

# Baryon Number Violation Searches in DUNE

*Thursday, 16 June 2022 16:00 (15 minutes)*

The Deep Underground Neutrino Experiment (DUNE) is an international project that will study neutrinos and search for phenomena predicted by theories Beyond the Standard Model (BSM). DUNE will use a 70-kton liquid argon time projection chamber (LArTPC) located more than a kilometer underground. The excellent imaging capabilities of the LArTPC technology, in addition to the large size and underground location, allow the experiment to probe many types of rare processes. This talk will summarize DUNE's sensitivity to baryon number violating processes and discuss ongoing efforts to improve DUNE's sensitivity to them.

**Primary author:** STOKES, Tyler (Louisiana State University)

**Presenter:** STOKES, Tyler (Louisiana State University)

**Session Classification:** Neutrinos