

The DUNE experiment

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The Deep Underground Neutrino Experiment (DUNE) will be a world-class neutrino observatory and nucleon decay detector. The DUNE experiment will consist of a far detector to be located about 1.5 km underground at the Sanford Underground Research Facility in South Dakota, USA, at a distance of 1300 km from Fermilab, and a near detector to be located at Fermilab. The far detector will be a modular liquid argon time-projection chamber with a 40 kt fiducial mass. Its primary physics goals are to carry out a comprehensive program of neutrino oscillation measurements, search for proton decay, and detect core-collapse supernova within galaxy.

Collaboration (if any)

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