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# Status of ProtoDUNE-II

*Friday 19 July 2024 20:40 (20 minutes)*

The Deep Underground Neutrino Experiment (DUNE) is a long-baseline neutrino-oscillation experiment aiming to measure CP-violation and the neutrino mass ordering. The far detector consists of four 17-kt modules based on Liquid Argon Time Projection Chamber (LArTPC) technology. The technologies chosen for the first and second DUNE modules are tested with large scale prototypes at the CERN Neutrino Platform. The first operation of the ProtoDUNE detectors (2018-2020) led to improvements in the design, construction and assembly procedures of the LArTPCs foreseen for DUNE modules.

The ProtoDUNE detectors have been updated and will take cosmic and beam data in 2024. ProtoDUNE-HD is equipped with the Horizontal Drift (HD) design, formally known as 'Single Phase'and ProtoDUNE-VD uses the recently proposed Vertical Drift (VD) design, an evolution of the previously 'Dual-Phase'design. This talk will present the status of the two detectors as well as the first results from the data taking.

## Alternate track

1. Detectors for Future Facilities, R&D, Novel Techniques

## I read the instructions above

Yes

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