

# Performances of the DUNE Vertical Drift Technology anodes

*martedì 18 giugno 2024 17:30 (2 ore)*

The DUNE Far Detector will consist of four Liquid Argon TPC modules. One module will use the newly proposed Vertical Drift Technology, where the anode is made of 2 stacked drilled PCBs. A large scale prototype has been assembled at the CERN Neutrino Platform (ProtoDUNE-VD) and will start collecting cosmic data in fall 2024.

The ProtoDUNE-VD is made of 4 anode modules, which have all been individually tested in a dedicated fully instrumented small-scale cryostat. This poster will show the performances of the 4 anodes in terms of noise and calorimetric response. Two anode assembly procedures have been tested and their performances will be compared. Finally, charge and light signals were matched and first results will be presented in the poster.

## Poster prize

No

## Given name

Laura

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## Gender

Female

## Collaboration (if any)

DUNE

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**Classifica Sessioni:** Poster session and reception 1

**Classificazione della track:** New technologies for neutrino physics