

# CACTUS Milano-Bicocca Status

CACTUS@MILANO-BICOCCA

DUNE Photosensor WG Meeting (DUNE-SP-PDS)

April 23th, 2024



- We are testing the seventh box:

Delivery	Box	Tray	Status
2	9	1-24	Completed
2	12	73-96	Completed
3	14	1-24	Completed
4	20	49-72	Completed
4	21	73-96	Completed
6	28	49-72	Completed
7	38	1-24	In progress

Next week ->Ship to Ciemat

- The measurements in the box #28:
  - Vbd in agreement with Hamamatsu data (~ 52 V).
  - The I-V measurements are good and in agreement with the 1st and 3rd thermal cycle.
  - DCR values are low ( < 200 mHz/mm<sup>2</sup> ).
  - One noisy SiPMs were found in the box #28: Anomalous extended IV + High DCR.

- The box #38: Board 10677 SiPM 0
  - One noisy SiPMs were found with anomalous extended IV but with low DCR ( $V_{bd}+3v = \sim 45$  V).

