

CACTUS Milano-Bicocca Status

CACTUS@MILANO-BICOCCA

DUNE Photosensor WG Meeting (DUNE-SP-PDS)

May 7th, 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	Finishing

Shipped to Ciemat

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◆ The measurements in the box #38:

- So far, we have found 4 noisy SiPMs in the box #38:
 - *3 SiPM with Anomalous extended IV + High DCR.
 - *1 SiPM with Anomalous extended IV



```
DUNE HWDB Utility v1.2.0.release.2024.04.03a
Processing upload request...
Loading Sheets
  • Loading SiPM-item-manifest.xlsx | SiPM-item-manifest
  • Loading Dark-noise-SiPM-counts.xlsx | Sheet1
  • Loading IV-SiPM-characterization.xlsx | Sheet1
  • Loading IV-SiPM-noise-test.xlsx | Sheet1
  • Loading SiPM-mass-test-results.xlsx | Sheet1
Encoding Sheets
  • Encoding sheet 'SiPM-item-manifest.xlsx | SiPM-item-manifest' with encoder 'Item Encoder'
    20 records found in 20 rows
  • Encoding sheet 'Dark-noise-SiPM-counts.xlsx | Sheet1' with encoder 'Dark Noise SiPM Counts Encoder'
    20 records found in 120 rows
  • Encoding sheet 'IV-SiPM-characterization.xlsx | Sheet1' with encoder 'IV SiPM Characterization Encoder'
    20 records found in 720 rows
  • Encoding sheet 'IV-SiPM-noise-test.xlsx | Sheet1' with encoder 'IV SiPM Noise Test Encoder'
    20 records found in 120 rows
  • Encoding sheet 'SiPM-mass-test-results.xlsx | Sheet1' with encoder 'SiPM Mass Test Results Encoder'
    20 records found in 960 rows
Queueing Job Requests
  • Item Jobs: 20 / 20
  • Test Jobs: 80 / 80
Executing Jobs (SIMULATED! Use '--submit' to commit to the HWDB)
  • Item Jobs: 20 / 20
  • Test Jobs: 80 / 80
Finished.
```

- ◆ Good news: The new version "1.2.0" of the database app works to upload our tables to the database.
- ◆ Different adjustments were made to the script and tests, and everything works fine in the development version.
- ◆ The FNAL computing group is currently working on fixing minor issues in the Production version.
- ◆ If everything goes well, the DB group will make the final decision and is expected to be released within 2 or 3 weeks.
- ◆ Throughout the week, I will share the instructions and files for each CACTUS site.