

CACTUS Milano-Bicocca Status

CACTUS@MILANO-BICOCCA

DUNE Photosensor WG Meeting (DUNE-SP-PDS)

July 16th, 2024



- We are testing the **second Hamamatsu INFN box** (italy)

Box Ciemat			
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
9	38	1-24	Completed
10	42	1-24	Completed

Shipped to Ciemat (rows 1, 2, 4, 5)
 Preparing shipment (rows 3, 6)
 Shipped to Ciemat (rows 4, 5)
 Preparing shipment to Ciemat. (rows 6, 7, 8)

Box INFN			
Delivery	Box	Tray	Status
1	3	49-72	Completed
2	4	1-24	In progress

- In the first box found 2 noisy SiPMs with High DCR and anomalous extended IV.

Hamamatsu INFN box (italy)

- We designed a table similar to that of Ciemat for the tests and shipments of the SiPMs Hamamatsu Italy.

Boards from HPK to INFN-Bicocca						Boards from Bicocca to testing sites				Boxes from sites to INFN-Bicocca	Status of Testing			Comments
Rx at Bicocca	#Boards	Delivery	Box#	Trays	Boards/Box	TX Date	To	Rx Site	Tracking #		#Boards tested	#Qualified boards	#Failed boards	
06/21/23		1	1	1-24	400	18/06/24	Prague	20/06/24	776914202301					
		1	2	25-48	400	18/06/24	Prague	20/06/24	776914202301					
		1	3	49-72	400	06/12/24	Milano	--	--		400	398	2	
07/19/23		2	4	1-24			Milano	16/07/24	--					
		2	5	25-48		27/06/24	Ferrara	28/06/24						
		2	6	49-72		27/06/24	Ferrara	28/06/24						

- In the following link you will find the new excel sheet with the status of the testing of the Italian boards, and the Hamamatsu datasheets: [INFN boxes](#)
- We started shipments with Prague and Ferrara: 2 boxes for each site.

- Two day tutorials : the 15th and the 22nd of July, 2024.
 - DAY 1 : Intro to PID, how to read/write from/to the HWDB.
 - DAY 2 : How to scan QR-codes.
 - How to upload large data with spreadsheets.
- I started writing to the database team to reestablish the roles of each user and create our subsystem and component in the Production HWDB.
- It is recommended to test the script in the development version of the database while we can use this app with the Production version. (There are no differences)

If you have any questions or issue you can contact
Alessandro Minotti or me.