# Outer Tracker Upgrade Group Meeting

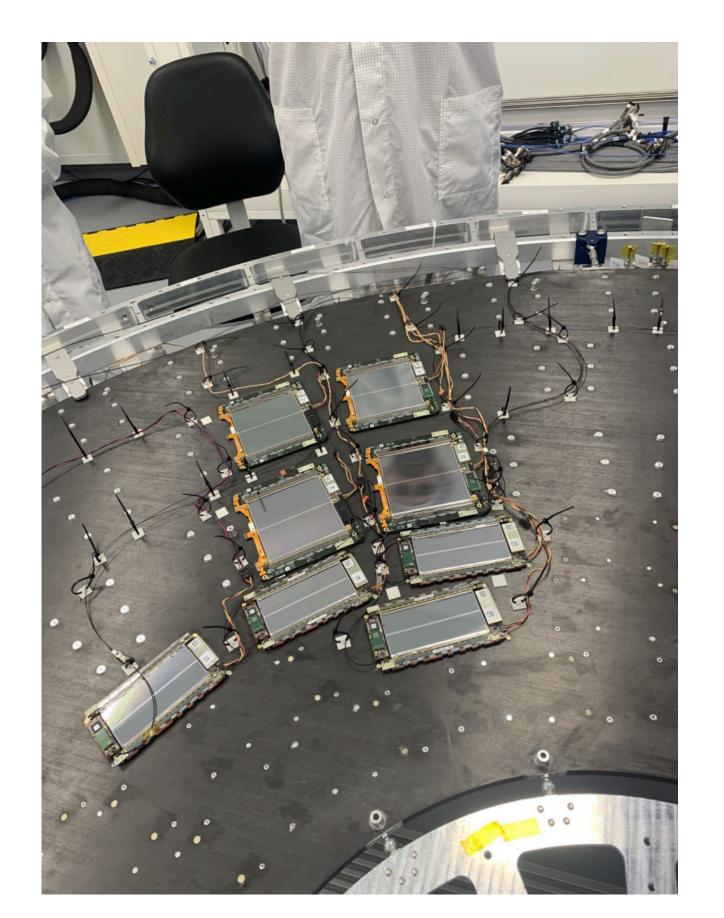
21st May 2025 IP2I

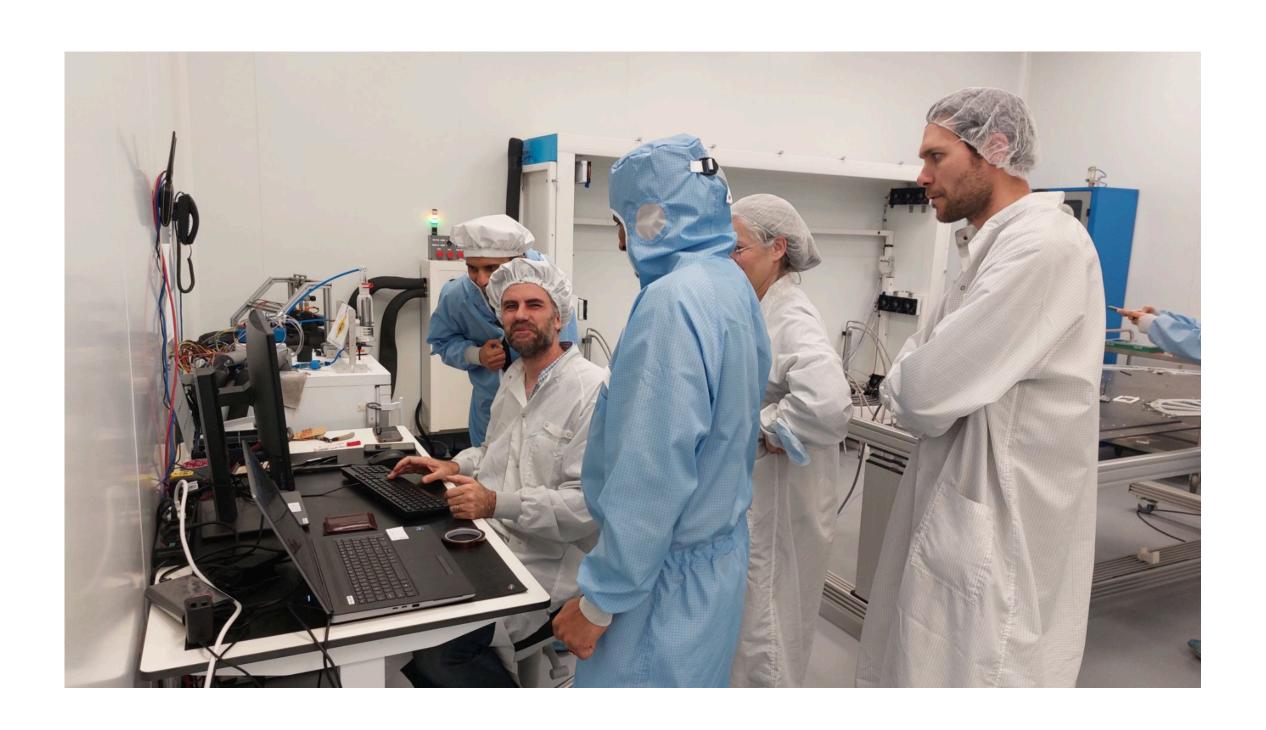
#### News

- 1. April 22nd to 25th we had TEDD integration exercise in UC Louvain.
  - 1. Installed 6 2S and 6 PS modules on a Odd TEDD.
- 2. Ph2\_ACF tutorial for PS and 2S modules on 28th and 29th April.
- 3. Welcome to Gustave.

#### News

1. April 22nd to 25th we had TEDD integration exercise in UC Louvain.





- Installed the new HV power and it is working as expected.
- One High voltage module is returned from CAEN.
- Installed latest version of Potato. Not working at the moment.
- The latest version of Ph2\_ACF and Gipht need to be installed.

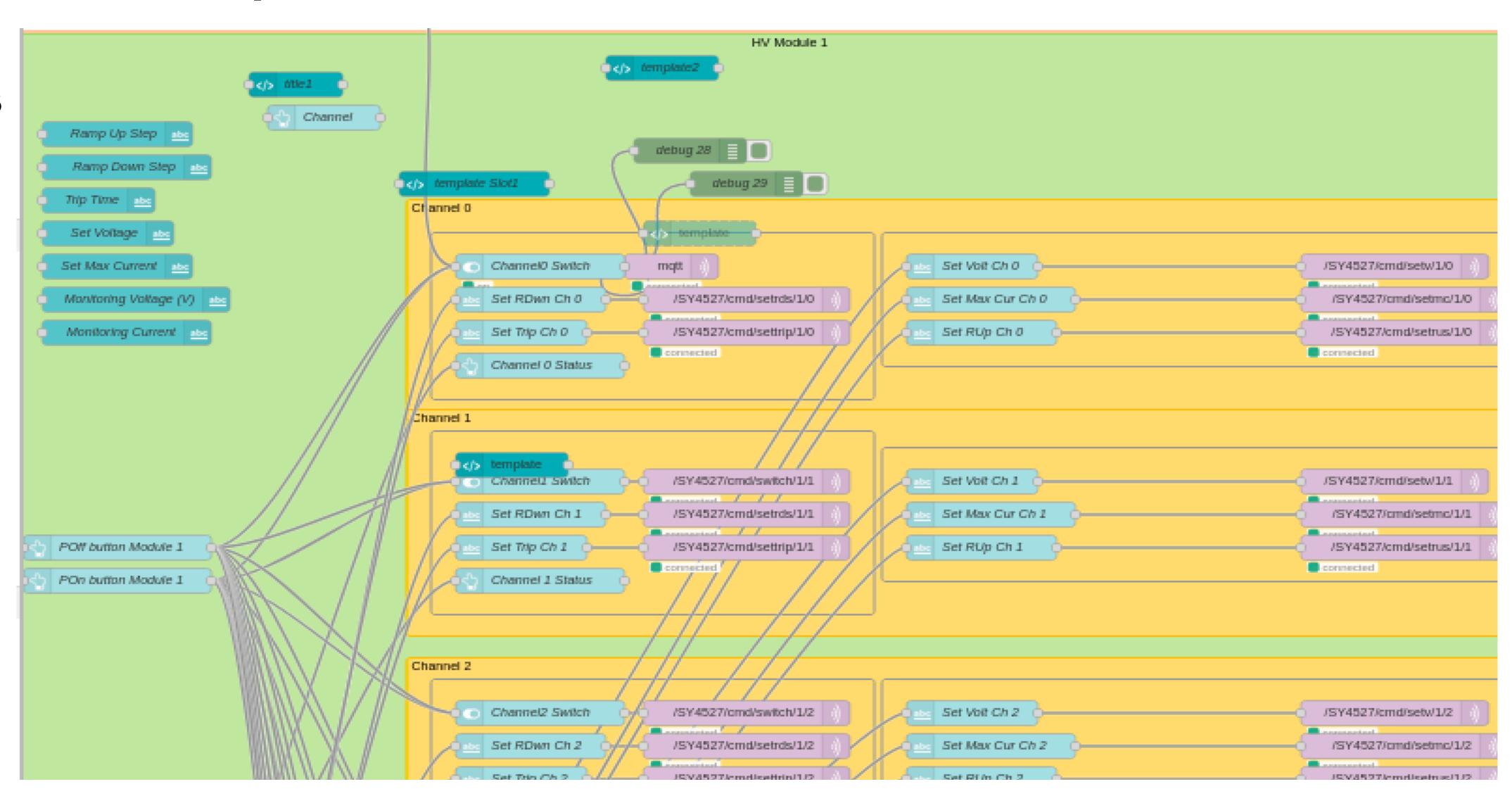
- 1. Prepare Nodered dashboard for CAEN control.
  - 1. Already running. Preparing the Dashboard according to suggestions from Massimiliano.
- 2. Prepare a list of items need to be bought for the second test bench. (Houmani)
  - 1. Next slide.
- 3. Validating the Nodered dashboard (Gustave)

- 3. Prepare a list of items need to be bought for the second test bench. (Humani)
  - 1. Not sure if we need another PC.
  - 2. We have all the cables.
    - 1. A USB-A connection to connect to a readout PC
    - 2. A SHV connector (HV) to supply the sensor high voltage to the modules.
    - 3. A LEMO connector (TRIG) which only needs to be connected for boxes with a KIRA system. (We do not need)
    - 4. Two banana connectors to provide the low voltage potential and GND to the modules.
    - 5. Two banana connectors (red and black) for the supply voltage of 5 V of the HV line relay and eventually all chips in the KIRA system.
    - 6. For boxes with KIRA systems there are additionally two banana connectors to provide an additionally 5 V supply voltage for the KIRA LEDs. (We do not need)
    - 7. A cable connector to ground the aluminum box if needed. (Do not know.) The ESD safe mat or table is needed.
    - 8. A 6 mm tube connector to connect to a dried air supply.
    - 9. A pass-through for the optical fiber with corresponding flexible 3D printed flexible plug to surround the optical fiber and allow a light-tight pass-through.
    - 10. Nanocrate with a FC7. This is the third Nanocrate. We need to use one SFP+, and we have some spares.

1. Validating the Nodered dashboard (Gustave)

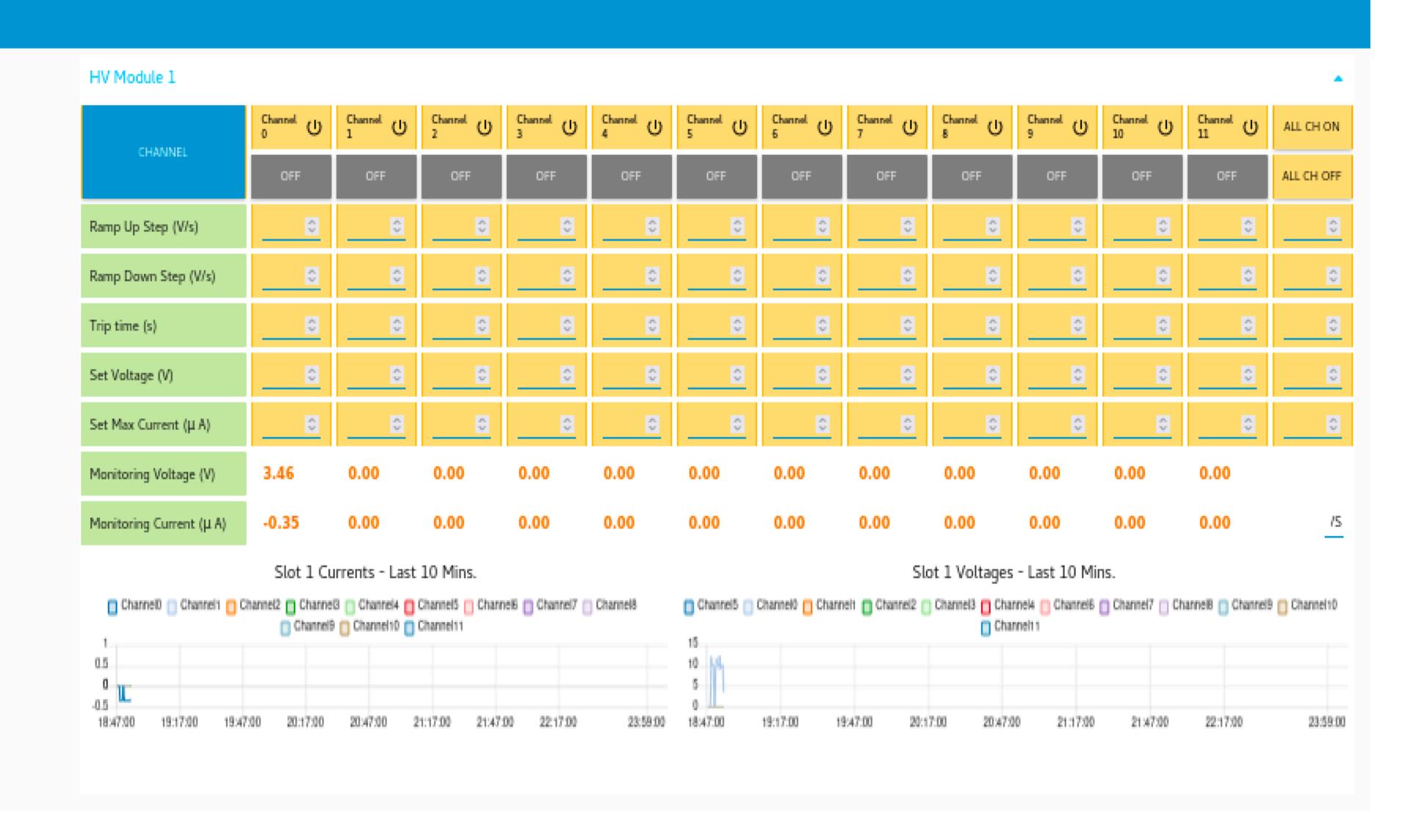
### DCS developement

#### Current status



## DCS developement

**HV Modules** 



# DCS developement

Current status

