

# ALPIDE tracker news

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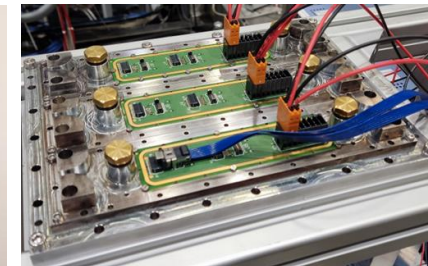
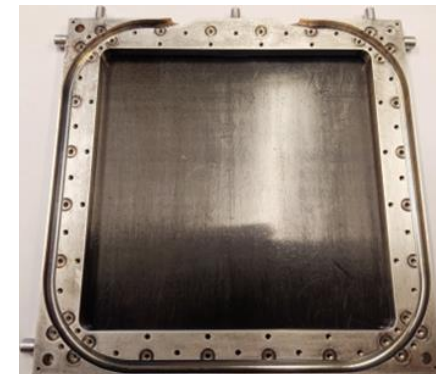
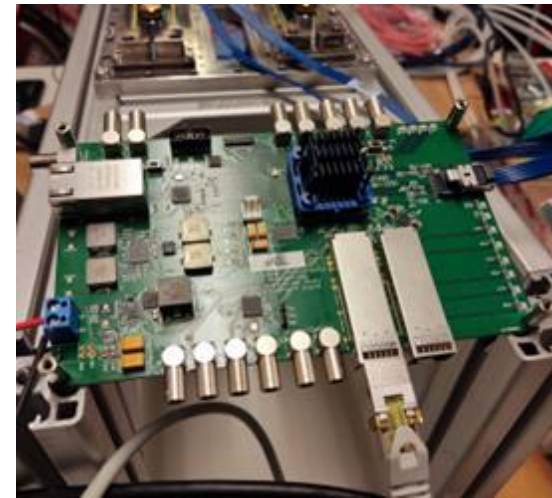
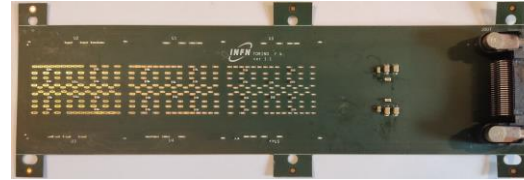
# News

- We have defined the license document



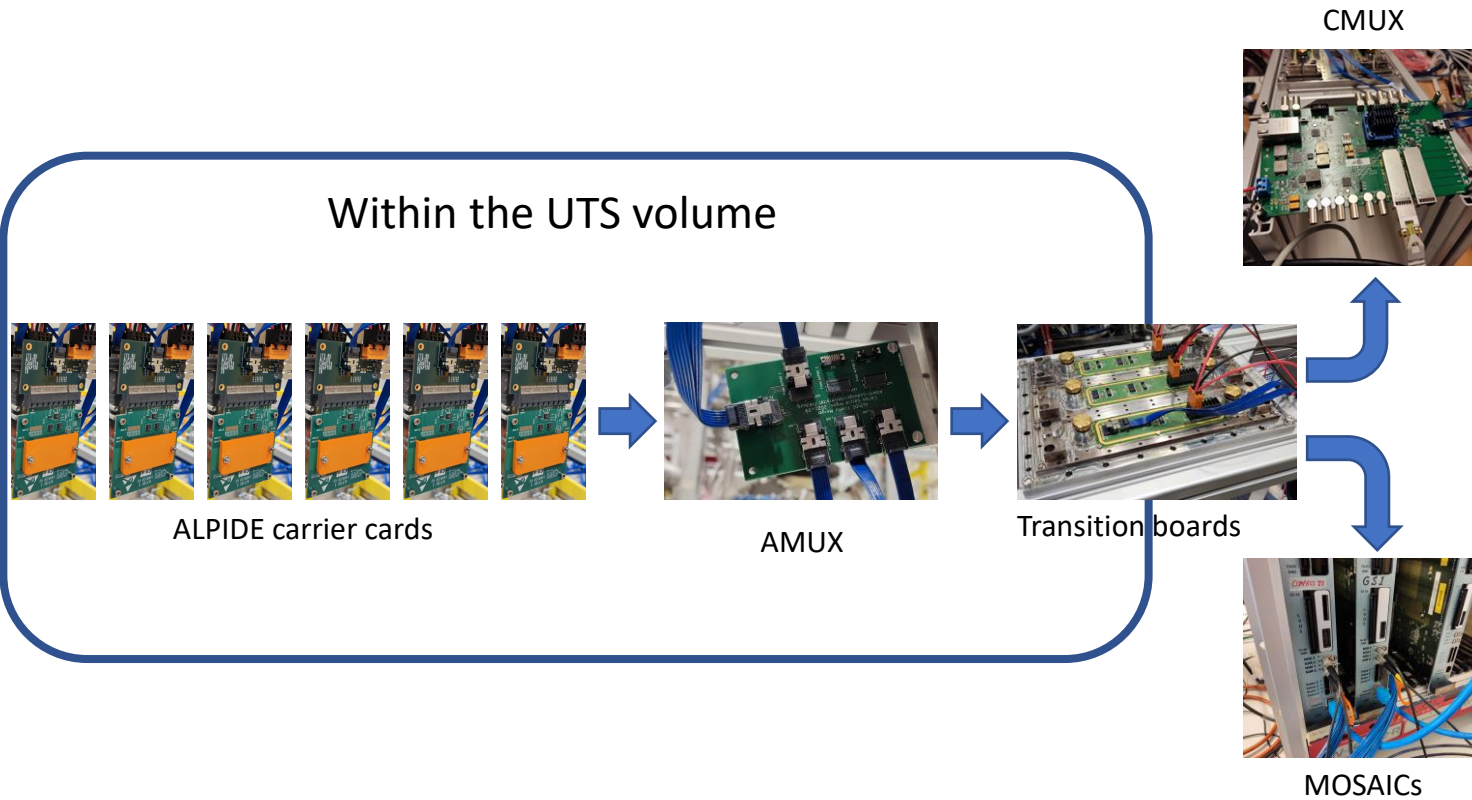
Need to provide the signatures

- We have the agreement for 10 carrier cards for the 2022 test campaign
- Both CMUX and MOSAIC based DAQ systems are under development targeting the 2022 tests
- Test mounting of the mechanics of the carbon support and cooling is being performed in GSI
- Bonding of the ALPIDE sensors on the FLEX PCB is being tested in GSI
- Preparing the design of the final transition board in Torino



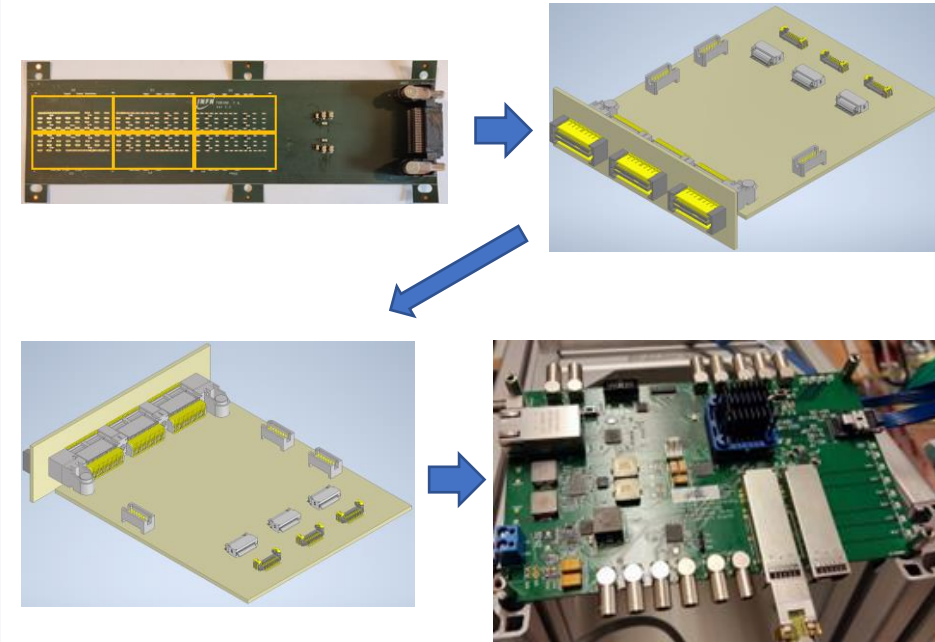
# General planning of the testing

## Test run 2022



- ❑ We target to test the ALPIDE in final conditions to validate it
- ❑ We will have 2 DAQ options, main option Freiburg AMUX + CMUX, reference MOSAIC based

## FLEX RO check 2022-02.2023



- ❑ The PCBs are expected to be produced before the 12.2022
- ❑ We will need to confirm the data integrity at 1.2Gbps

# Some timeline indications

License signatures by 08.2022

Test the ALPIDEs sensor under 2 MHz beam conditions by 12.2022

Acquire the sensors 01.2023

Start production 04.2023

4 stations by 08.2023

Finalise the mechanics and alignment procedure

