ETL system test
SPS test beam report

Giacomo Zecchinelli on behalf of the ETL system test group

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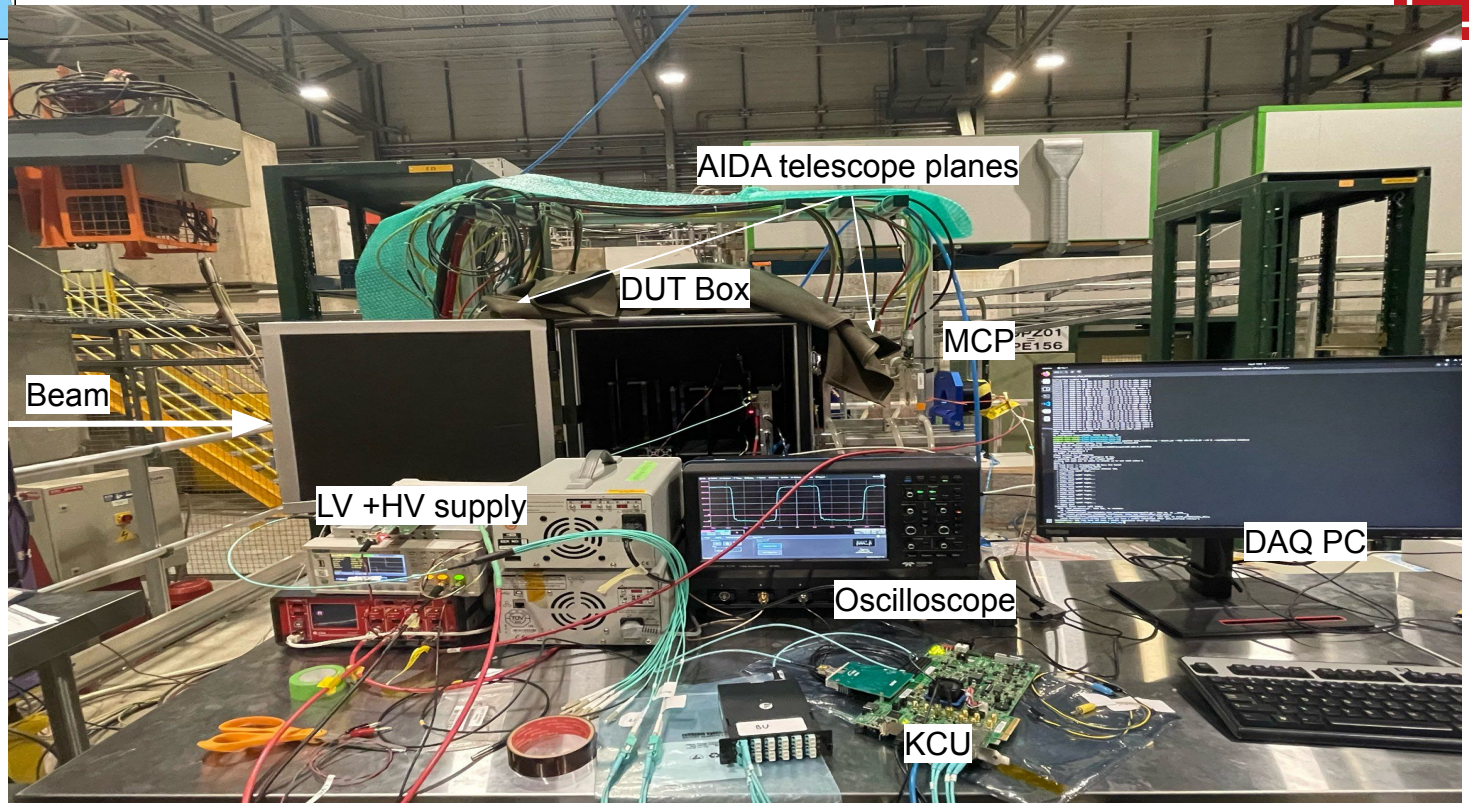
PS-SPS user meeting

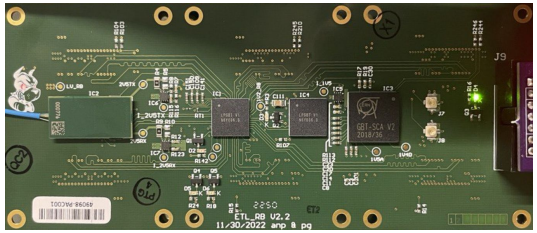
16/05/2024

Test beam setup

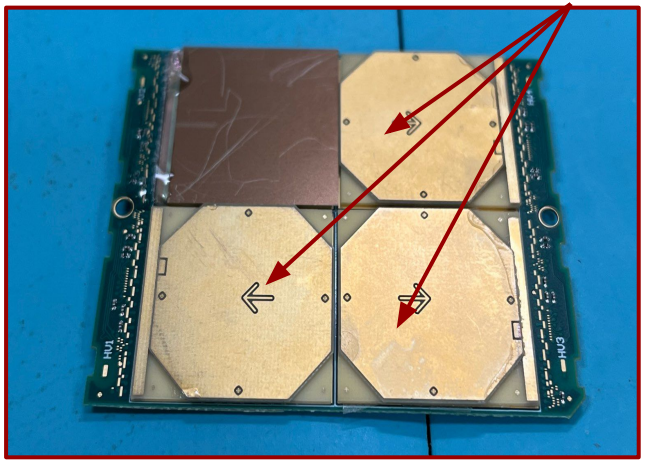


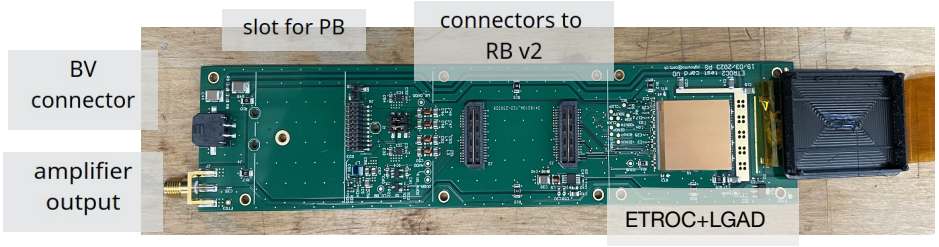
DUTs

ETL Readout board



Dummy mockups from assembly (structural support)

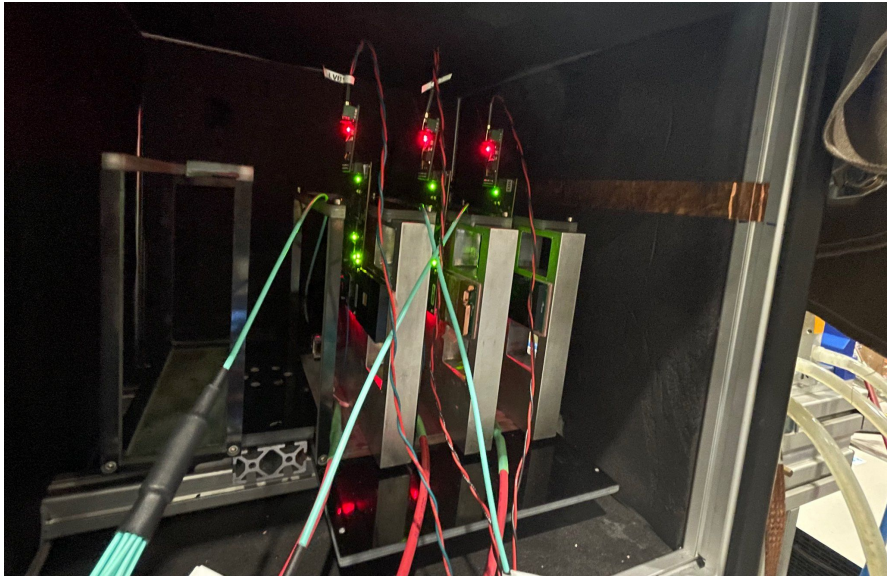




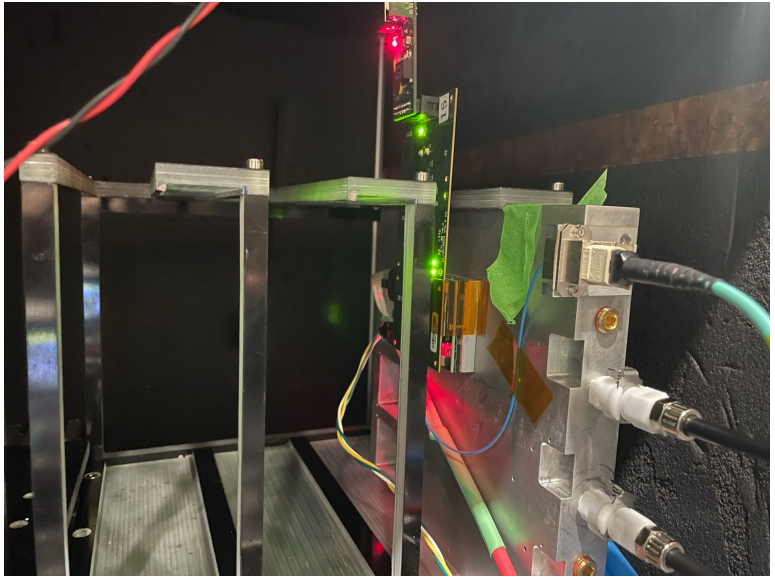
ETL v0b board

ETL v1 board

DUTs



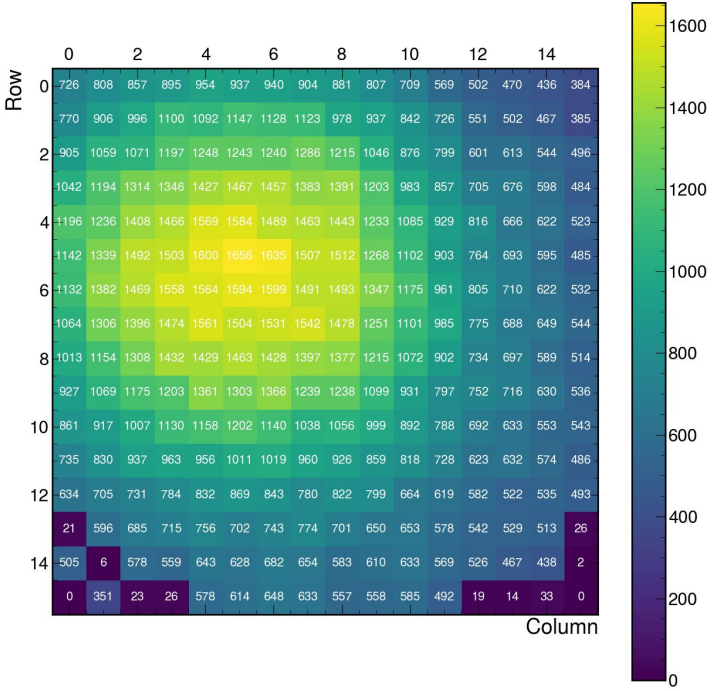
v0b board ETL telescope



v1 single ETL module

Test beam report

- We installed starting from Wednesday morning and got safety clearance Wednesday at 18:00
  - Thanks to everybody who helped us! In particular Andre Rummler, Laza (Dragoslav Lazic), Bane (Branislav Ristic), Michele Bianco and Machi (Andromachi Tsirou)
- Beam availability in general good:
  - We were affected by the cavity issue between Sunday night ad Monday morning
  - Otherwise good and stable beam, thanks to the beam team (specially to Bastien, Laurence and Michael) !
- Thanks also to our colleagues in main (ATLAS HGTD) for coordinating accesses!



Test beam report

- Overall good test beam for the CMS MTD ETL system test,
  - We collected > 10M events with the different ETL modules
  - We learned a lot on our system and we have plenty of data to be analysed in the coming weeks

- Looking forward to our next test beam in SPS in september!