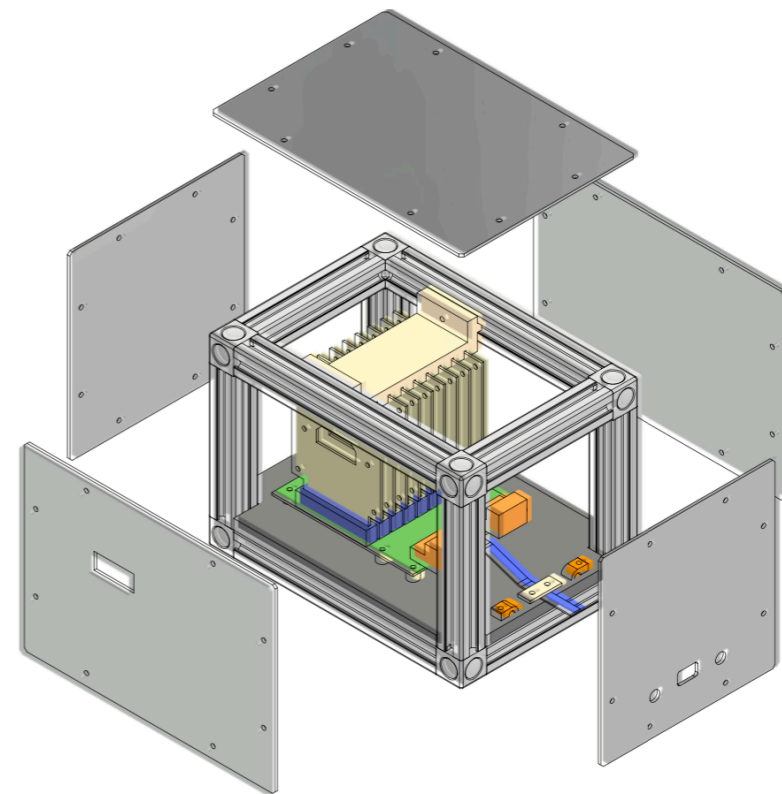


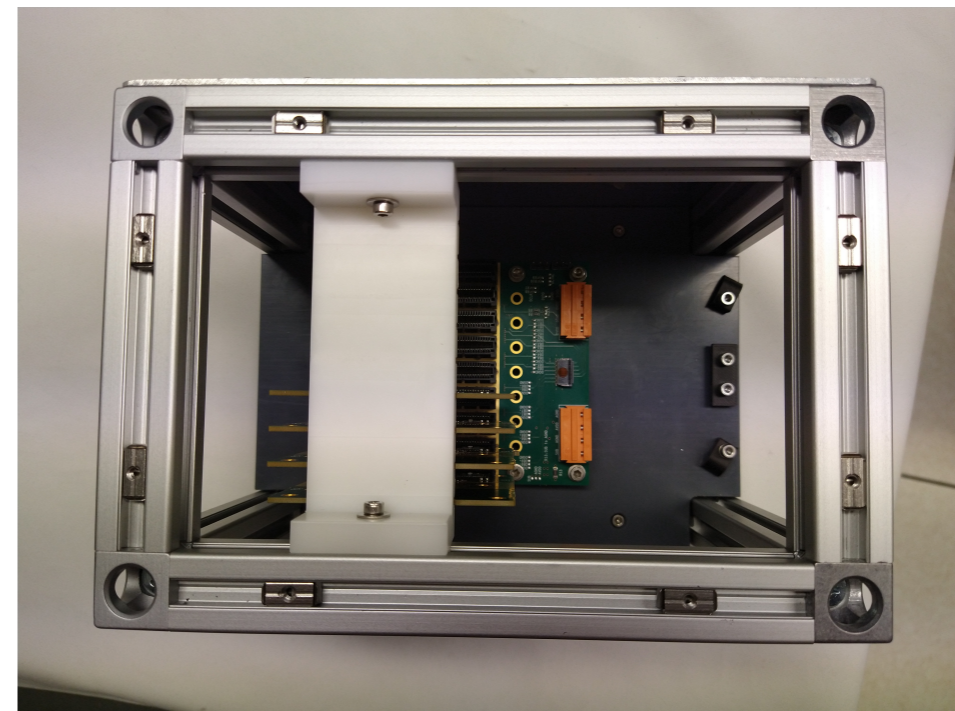
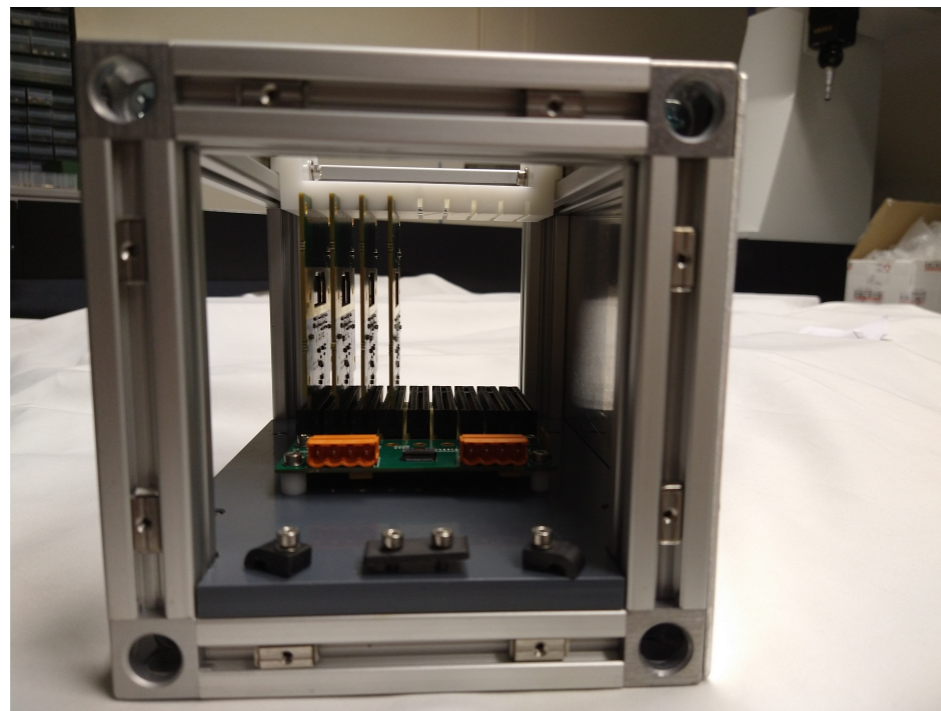
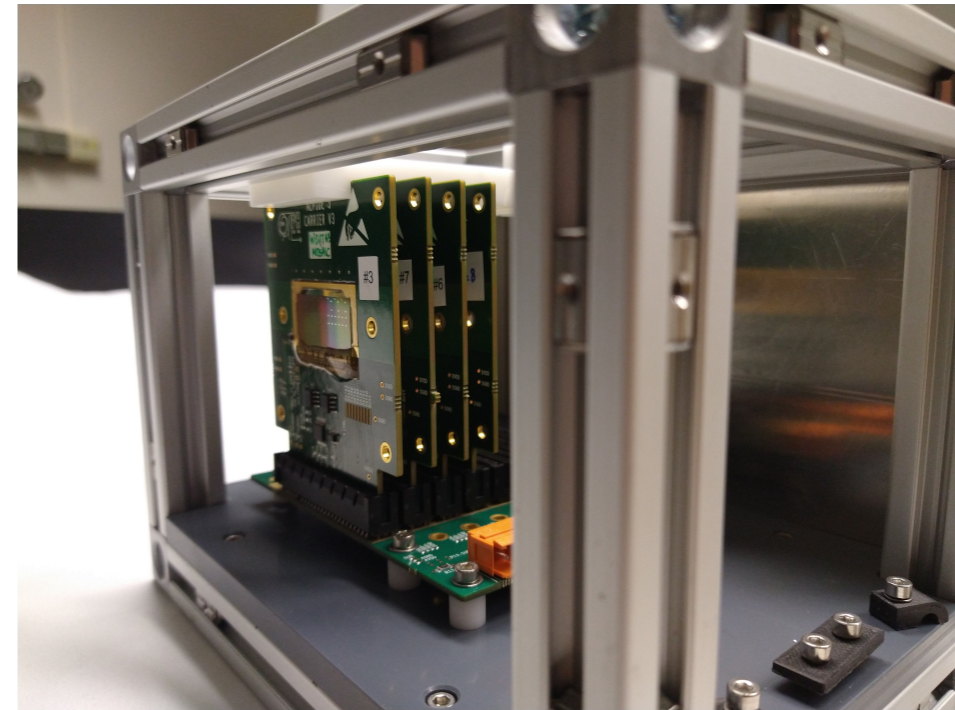
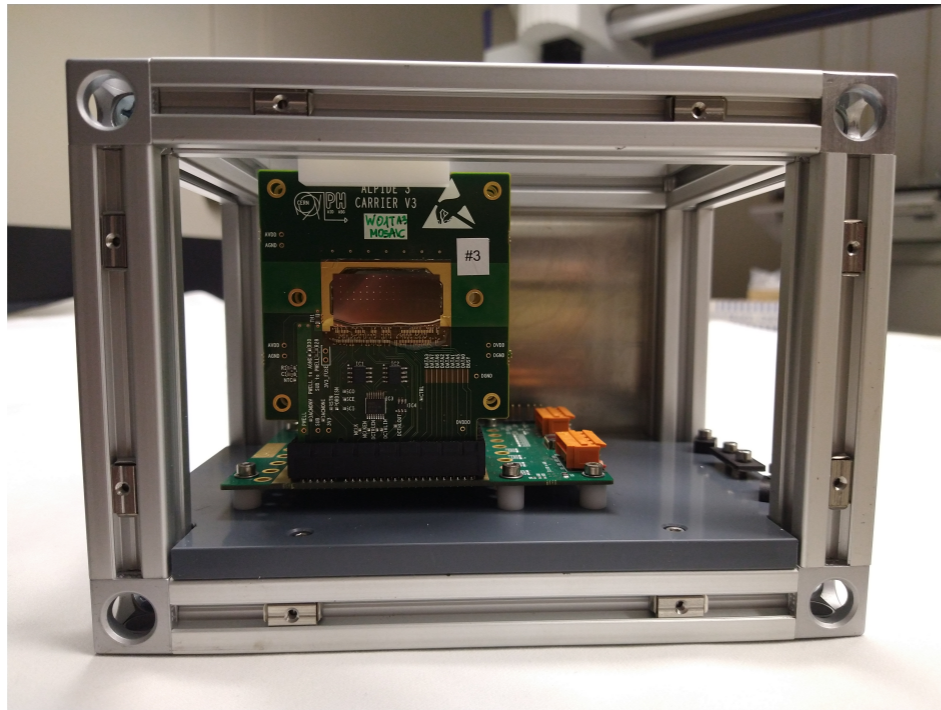


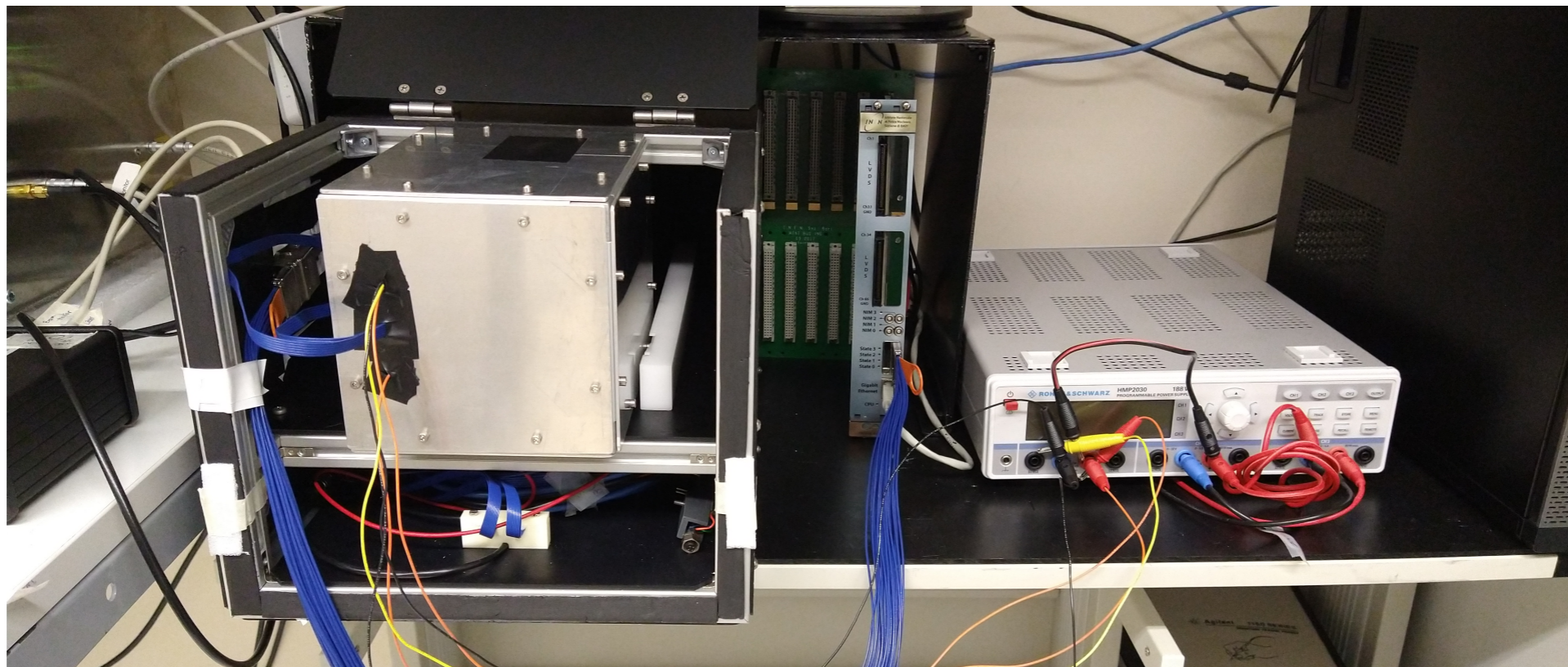
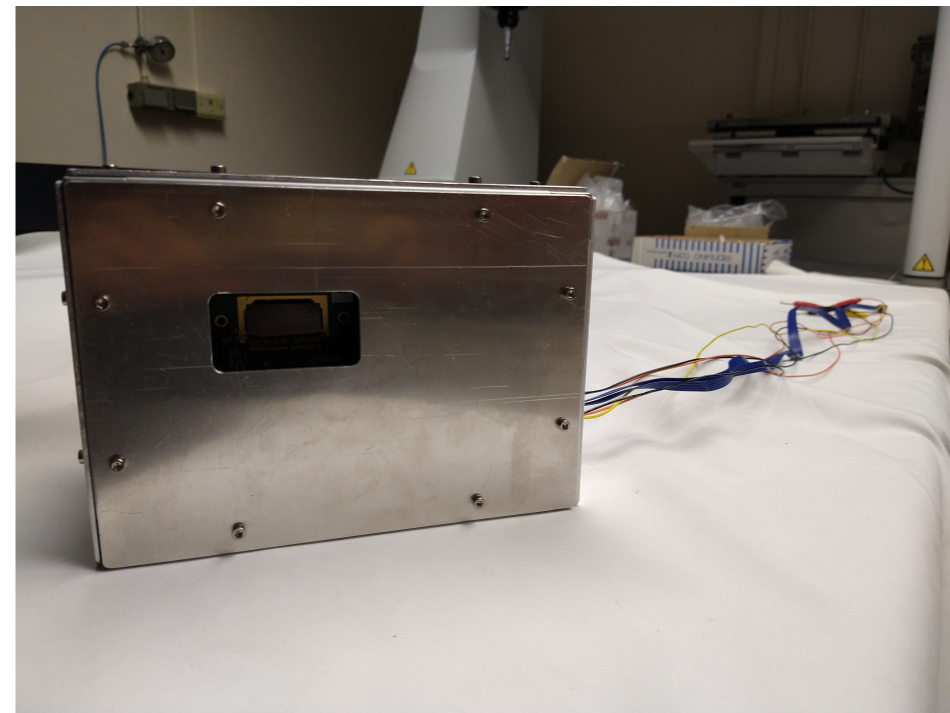
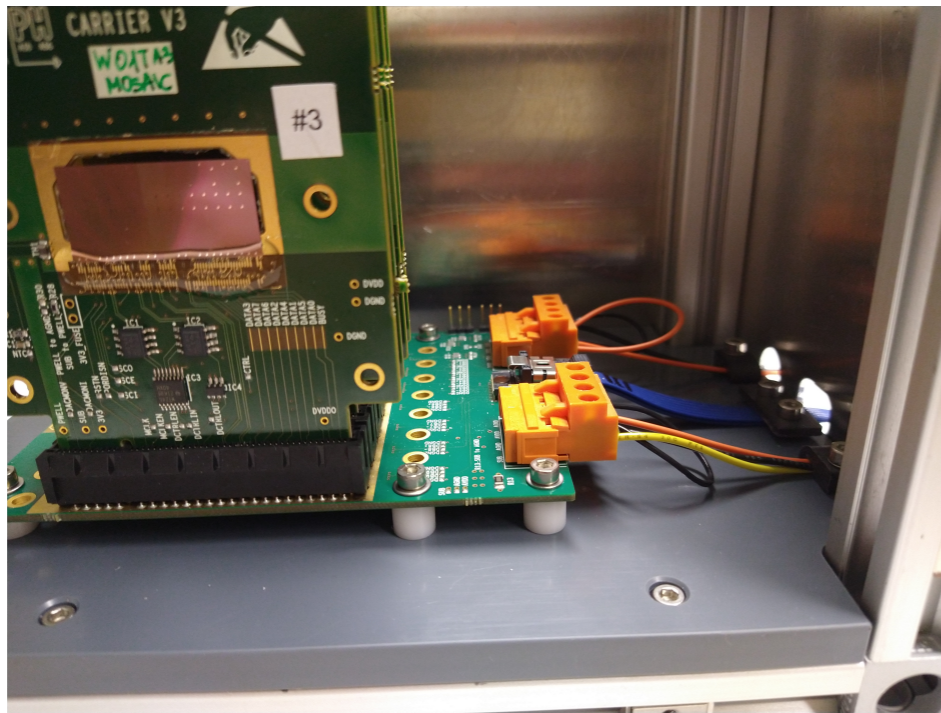
ALPIDE telescope Bari

**F. Barile, D. Colella, F. Colamaria,
S. Kumar, A. Mastroserio**

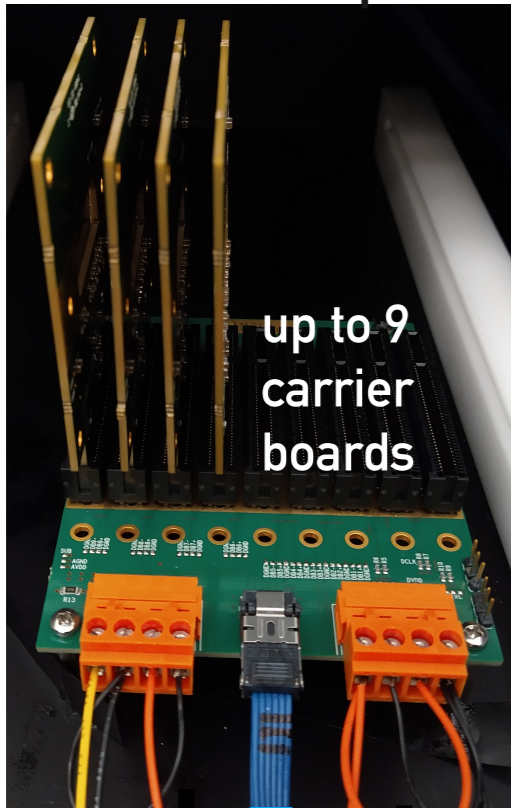
**Supported by
Mechanical CAD (M. Mongelli)
Mechanical Workshop (C. Pastore)
Electronic Service (G. De Robertis)
High Technology Service (P. Cariola)**



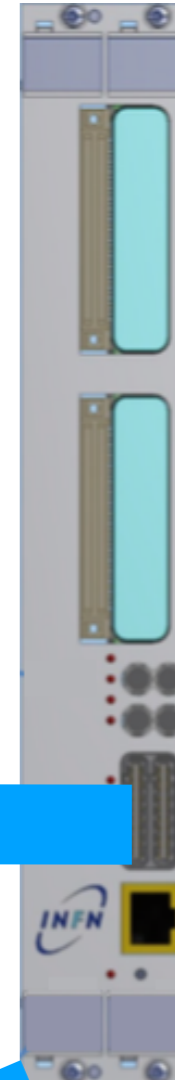




ALPIDE telescope board



ALPIDE MOSAIC-IB ADAPTOR



Multiple usages

- **Research**
 - Useful exercise to develop the readout of ALPIDE stack
 - Can be used as alignment tool for test beam sensor characterisation
- **Didactics**
 - Good proposal for a Master thesis
 - A. Mastroserio and D.C. proposing a course for Master on Tracking
- **Outreach**
 - Can be easily moved and installed during whatever happenings (ERN, PCTO, etc.)

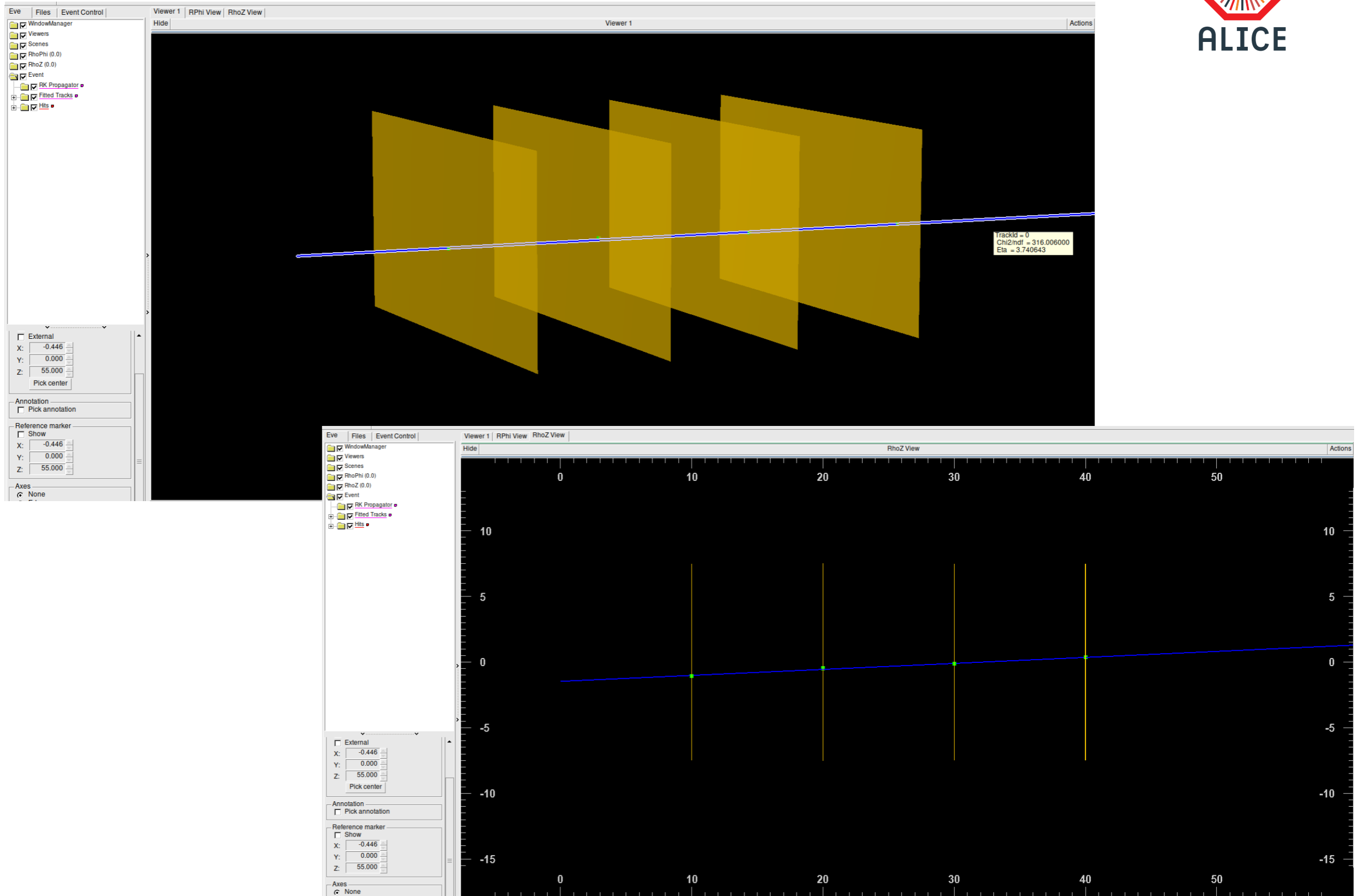
Status and open points

- **Hardware**

- 6 carriers with ALPIDE sensor (having different IDs) available
- More carriers to be purchased, if needed
- 3 ALPIDE telescope boards available

- **Software**

- new-alpide-software for single ALPIDE calibration → COMPLETE
- GdR and Fabio's code for data taking → ALMOST COMPLETE
 - up to clustering
- Shyam's code for tracking → PARTIALLY UNDER DEVELOPMENT
 - track finding → COMPLETE
 - track fitting → UNDER REVISION
 - alignment → TO BE DEVELOPED
 - online → TO BE DEVELOPED





ALICE

BACKUP