

Coordination Meeting Report -- VLAST

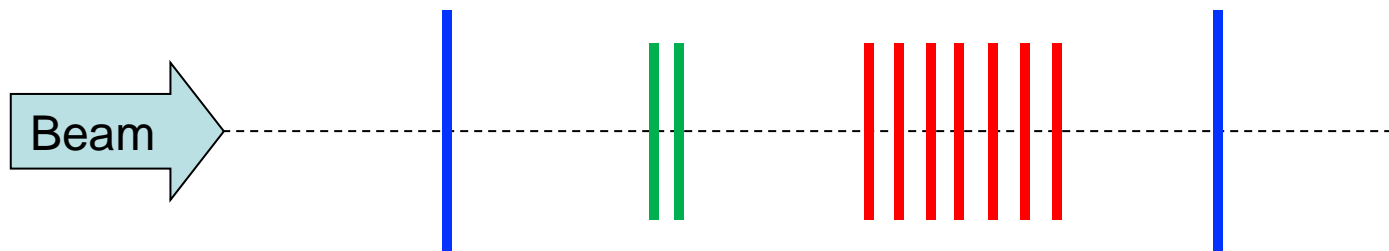
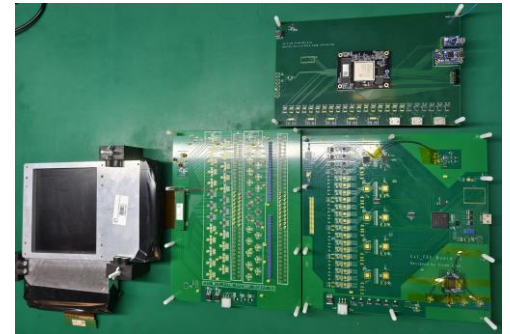
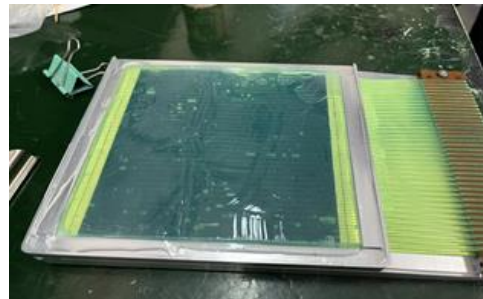
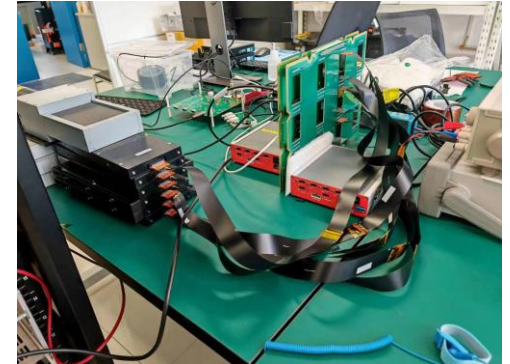
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on behalf of the VLAST collaboration

2024-07-23

Modules of Prototype of VLAST

- ❖ Goals
 - ❖ Test the ability of charge measurement
- ❖ DUTs (red)
 - ❖ Charge detector: plastic scintillator
 - ❖ Charge detector & tracker: silicon strip
 - ❖ CsI with WLS fibers
- ❖ Triggers (blue)
 - ❖ Plastic scintillators
- ❖ Telescopes (green)
 - ❖ Silicon PINs
- ❖ Weight: 20 kg



Beam Requirements

- ❖ **Low Intensity:** < 1 kHz
- ❖ **Common H4 beam:**
 - Particles Type: Ions ($Z=1-86?$) fragmented from Pb?
 - Energy Range: ?

Infrastructure Requirements

- ❖ **One DESY table and screw hole plates:** for detectors
- ❖ **A rotation platform:** onside the DESY table, and can be controlled and read from the control room
- ❖ **Standard tables (≥ 2):** for PCs, voltage sources, etc.
- ❖ Before beam test, a room or a small space is needed for detectors integration and electronics testing.