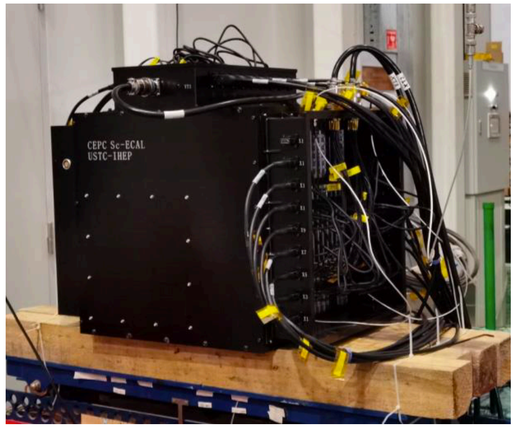
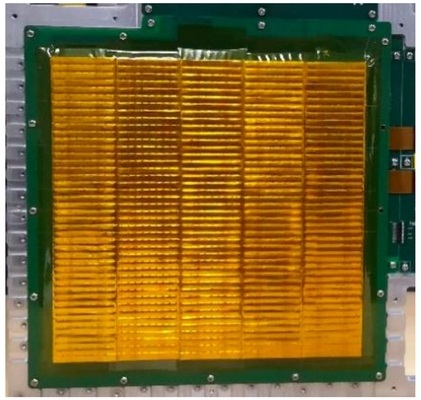
Highly Granular Scintillator-strip Electromagnetic Calorimeter

- **DRDT 6.1**
- **Institutes**
  - China: USTC, IHEP, JSTU, Japan: UTokyo, Shinshu
- **R&D items**
  - Engineering work for large scale production
  - Improved timing performance
  - Scintillator material performance (light yield, time constant, quantum dot,…)
  - Strip performance (reflector, double SiPM readout,…)
  - Active cooling system
  - Electronics
    - Low-power and high-performance readout ASIC
    - Full length slab
  - Trigger-DAQ system
- **Deliverable**
  - Build an improved technological prototype where the items developed in this program are integrated and demonstrate the performance in test beam experiments.

Technological prototype





Strip wrapping and assembly on EBU was done by hand (Shanghai Institute of Ceramic)