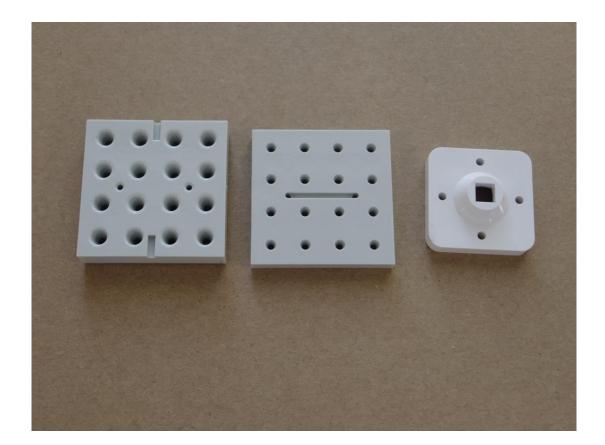
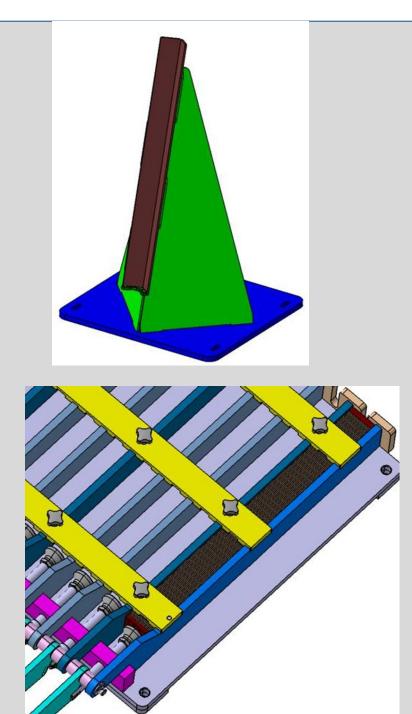
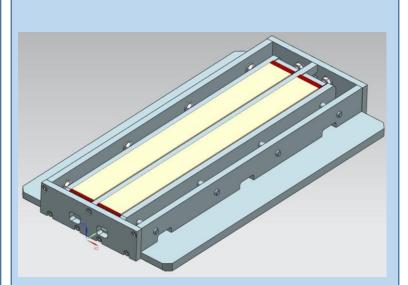
ECal Modules production

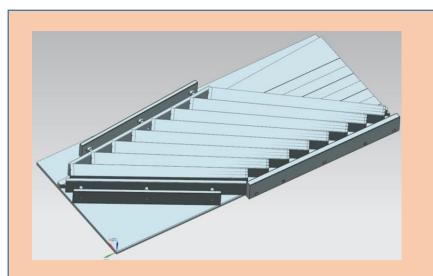
Scintillator plates, 40x40x1.5 mm³ (Total ≈ 10⁷ plates) Today: Polypac (Dubna) – 2.2x10⁶, Uniplast (Wladimir) - 10⁶

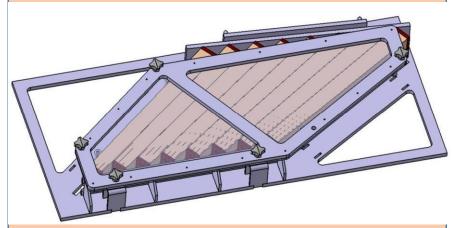
Pressure plates and fiber bonding plate Polypac (Dubna) – half of the full set









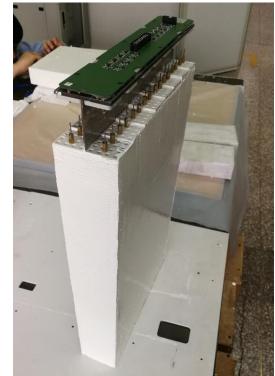


- IHEP (Protvino) Beginning 2018 -12
- Tenzor (Dubna) Beginning 2018 -12
- Tsinghua University (Beijing, China)

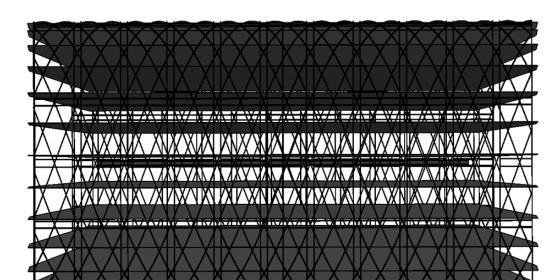
Prototype from Protvino – 2

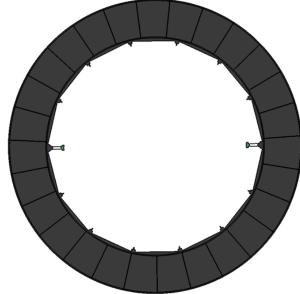


Prototype from china - 2

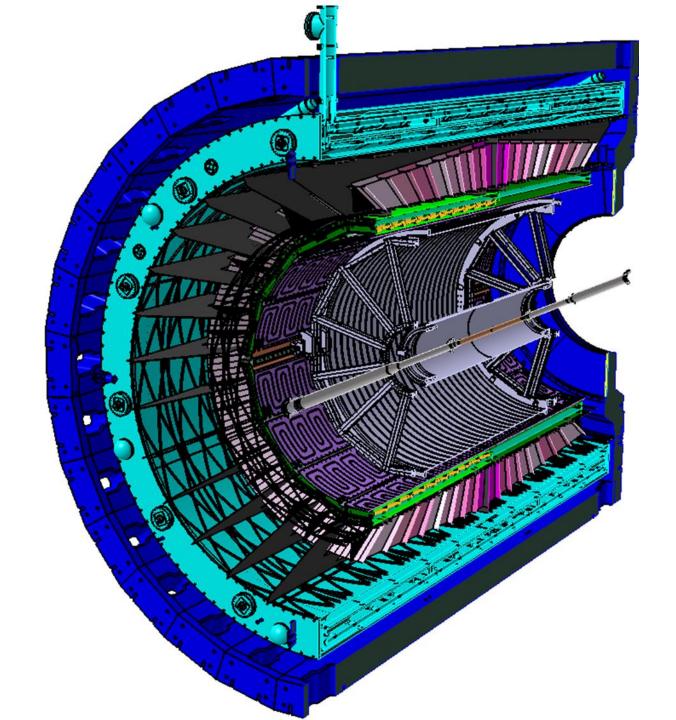


Supporting frame





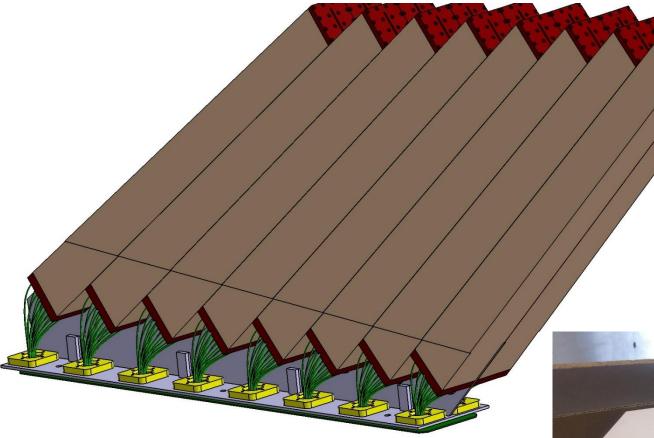




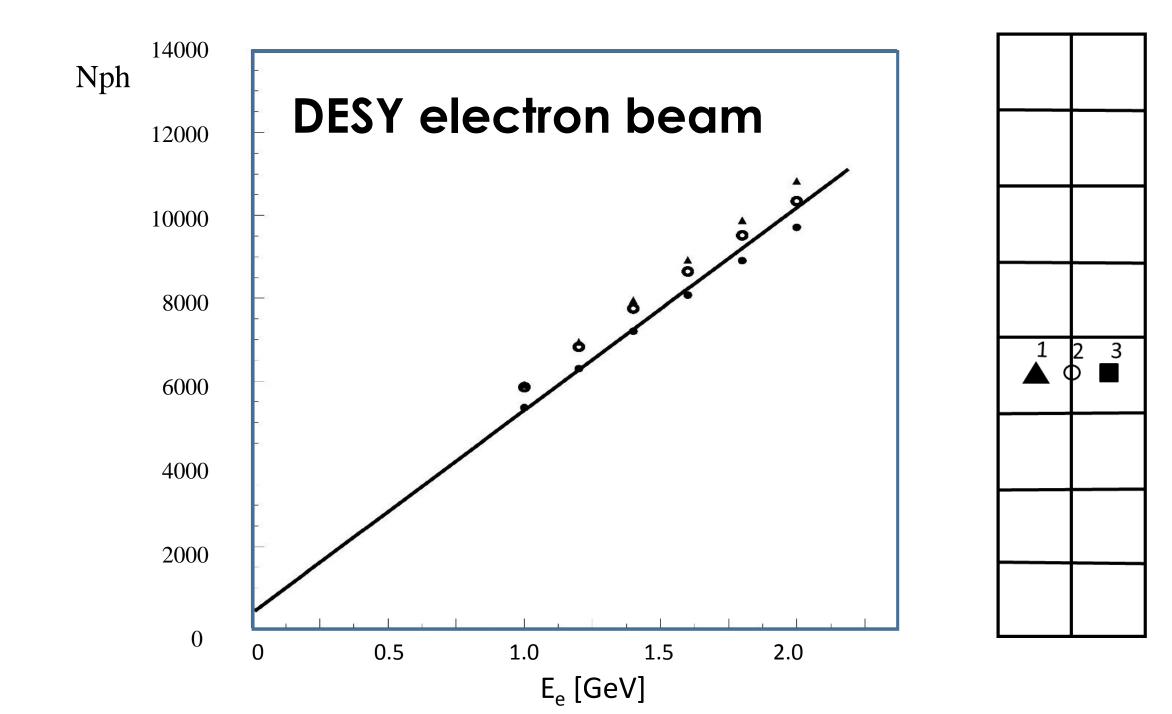
MPD ECal

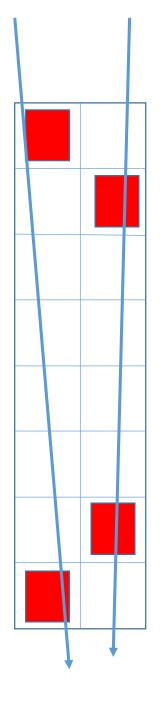
First module with projective geometry Beam tests

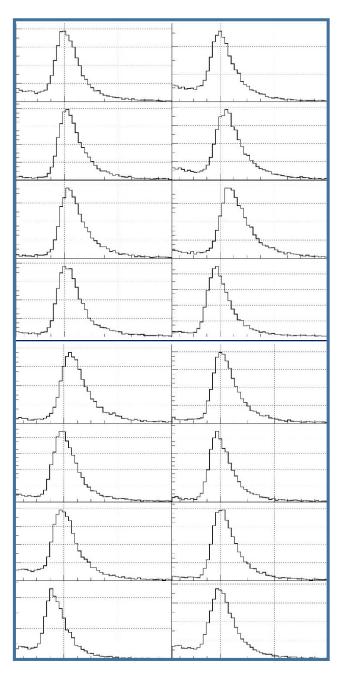
Dubna October 2018



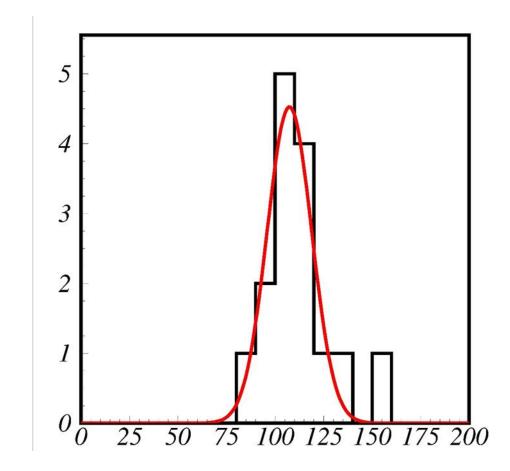


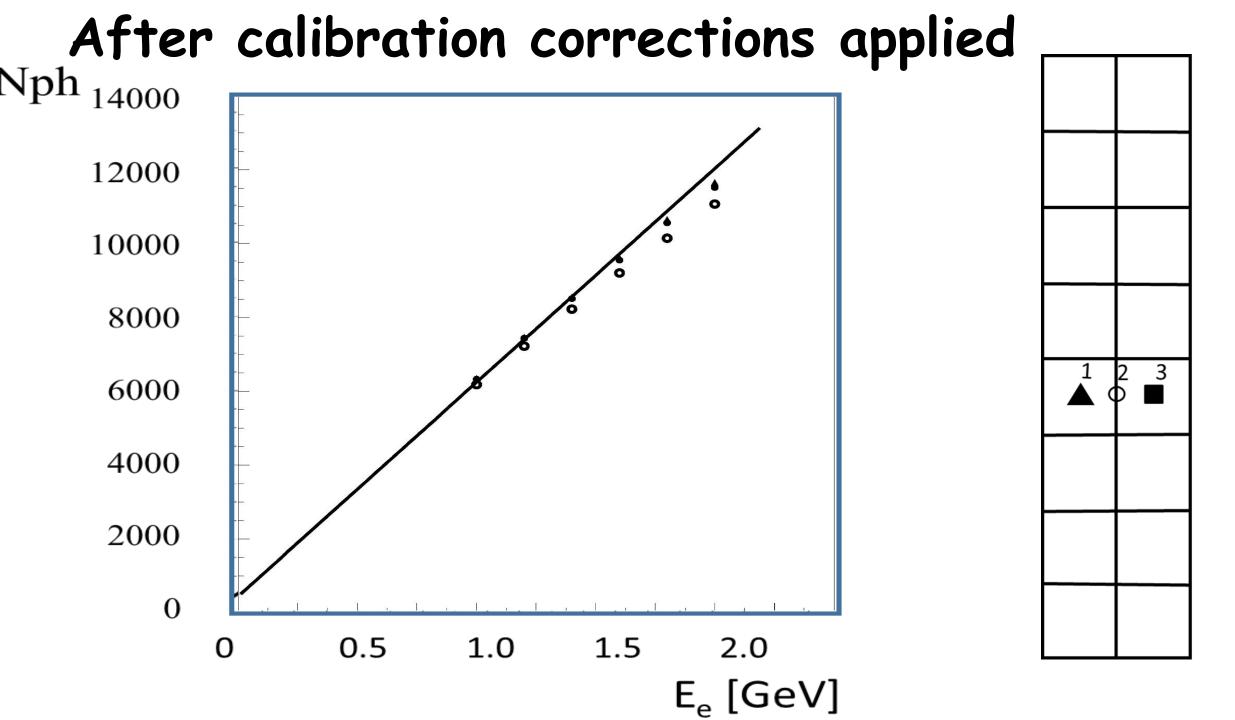


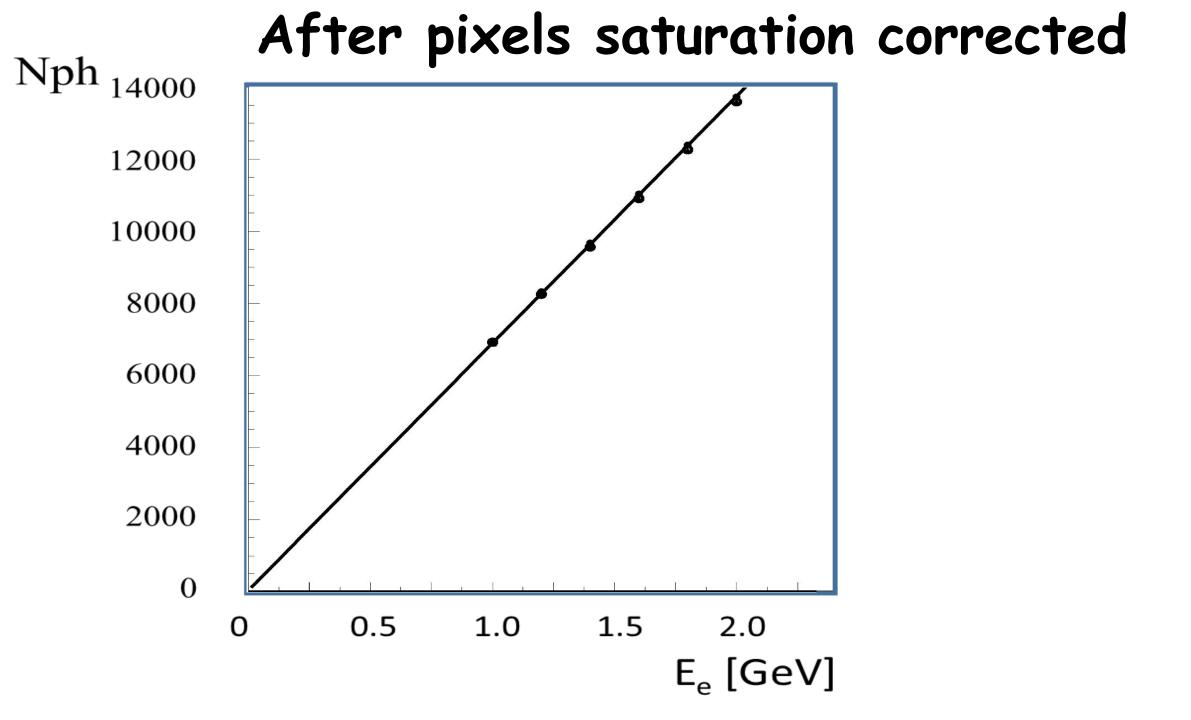


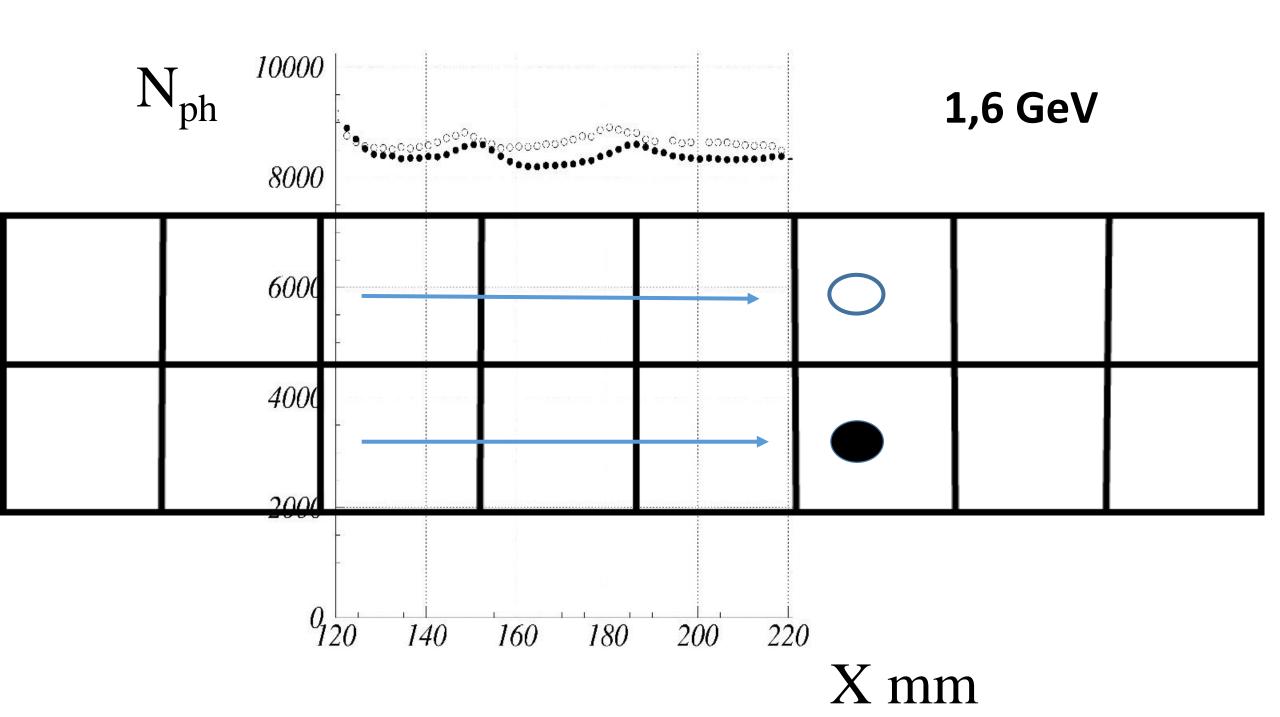


Cosmic calibration

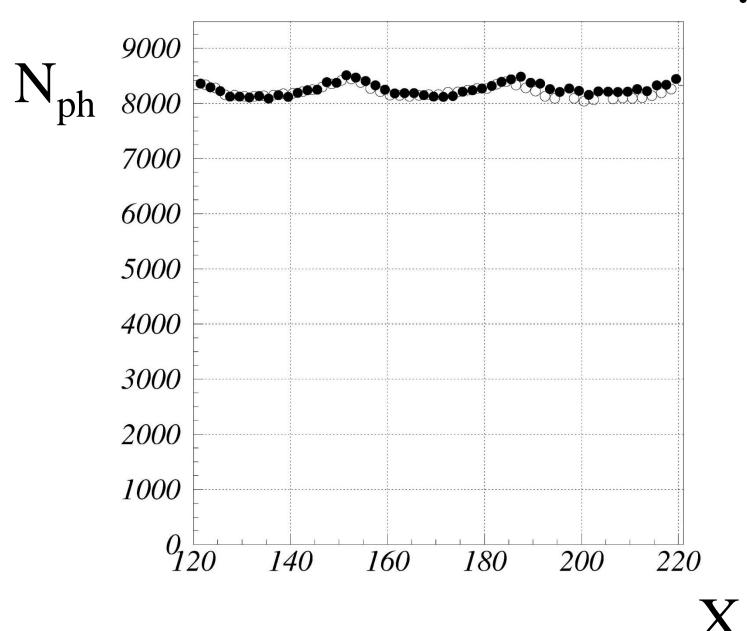




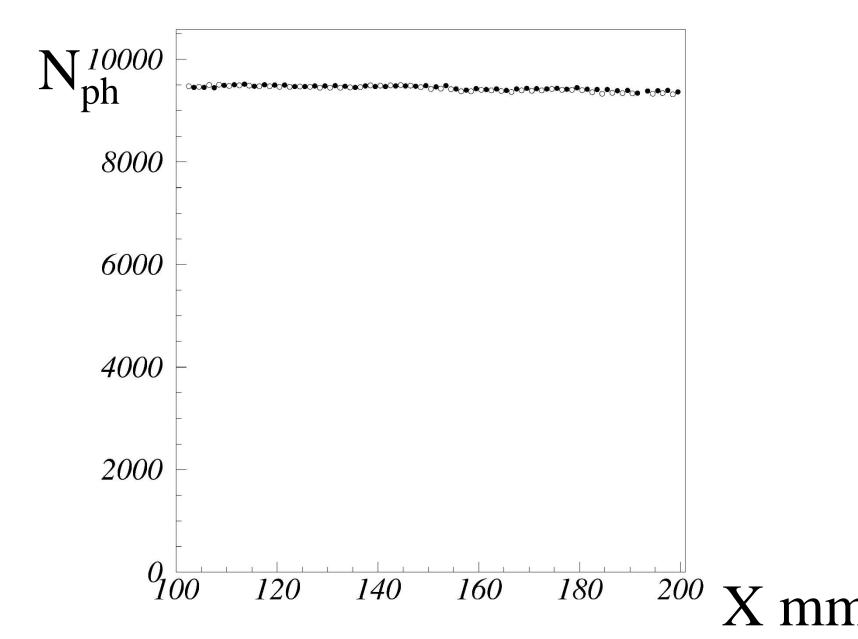


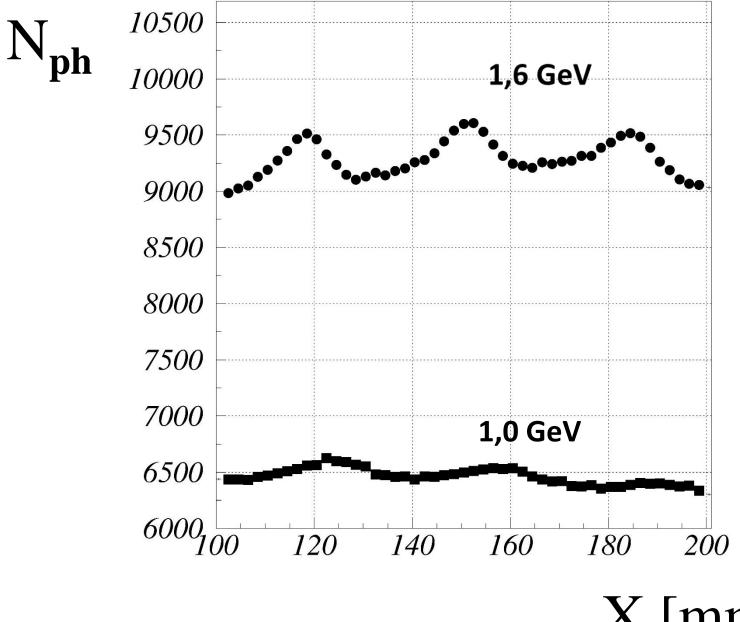


After calibration corrections applied



After pixels saturation corrected





X [mm]

Conclusions

- 1. Three groups already built test modules.
- We are ready to start mass production of ECal modules
- 2. Supporting frame from the composite materials may be ready in time
- 3. First, most complicated, module have been constructed and tested.
- 4. Sensitivity to the electromagnetic shower is shown on the level of previously constructed devices
- 5. Easy method of the channels calibration by means of cosmic muons have been tested
- 6. Effect of numerical saturation of the SiPM was studied and found to be well in the agreement with expectations