

Towards TB June 2025 mechanical issues

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- Veta is preparing an order of 3-4 tungsten plates (Beijing/ATAS)
ISS requires “custodial agreement” for shipping them
from Bucharest to Warsaw (what about Kraków and DESY ?)
How to proceed in most convenient way (less bureaucracy...) ?
- Should we store the tungsten plates at DESY after TB for next TB campaign ?
(it was the case for the old FCAL plates). If yes, then where ?
- Having altogether 9 or 10 new tungsten plates for ECAL-P geometry
do we still need the old FCAL (LumiCAL) tungsten for TB in June'25 ?
(support, different chemical composition - only 92% of pure W)
What really important for the project can we learn ? (5 GeV e-beam)
ANSWER: Yes, we need them... → next pages

- more info, including progress report, during ECAL-P meeting in Hamburg
(main body, combs 1.2mm, T-frames, ..., dummy glass sensors)

Average cascade profile - fit results

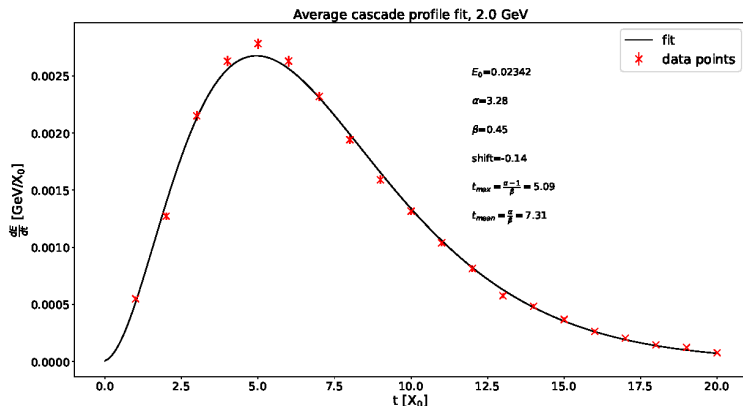


Figure: Gamma distribution fit to average cascade profile, 2GeV

Average cascade profile - fit results

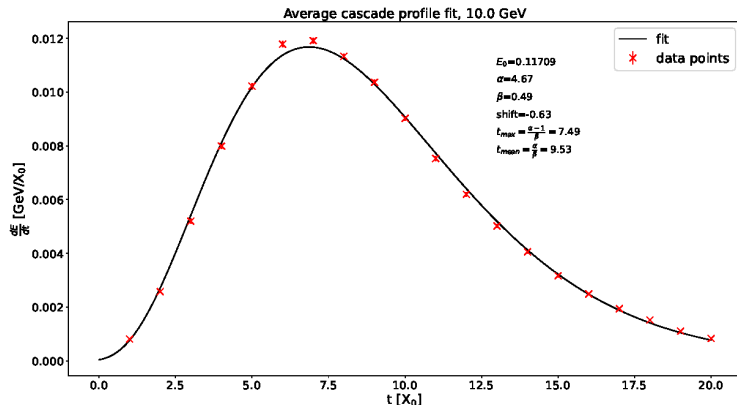


Figure: Gamma distribution fit to average cascade profile, 10GeV



- EuropacPRO 19inch Subrack Kit:
Depth: 235 mm
Rack Height: 3 U = $3 \times 44.45 \text{ mm} = 133.2 \text{ mm}$
Rack Width: 84 HP = $84 \times 5.08 \text{ mm} = 426.72 \text{ mm}$ (less than ECAL-P width)
- to be attached to the “scaffolding” standing on ECAL-P base plate (transportation plate)
- **what about load ? how many kg ? → feedback needed**