

EPICAL-2 Meeting - 03.03.25

Poster at DPG Spring Meeting

Jan Schöngarth

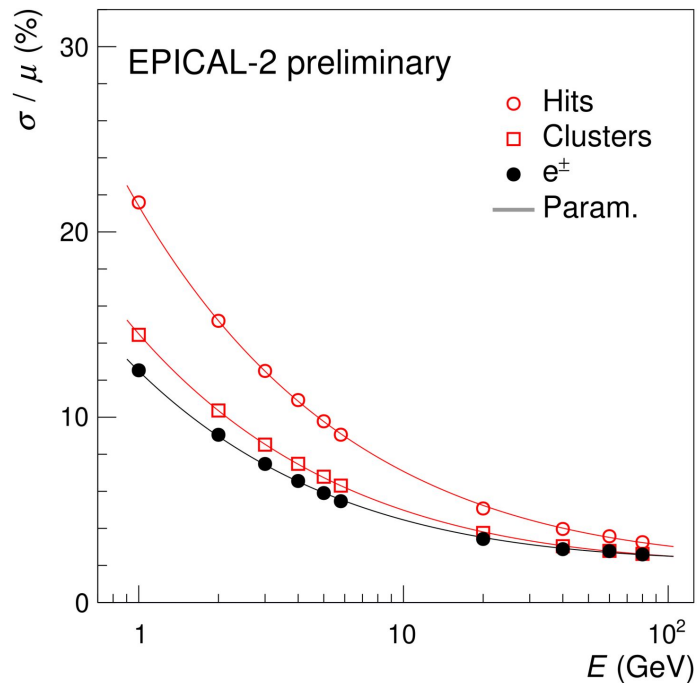
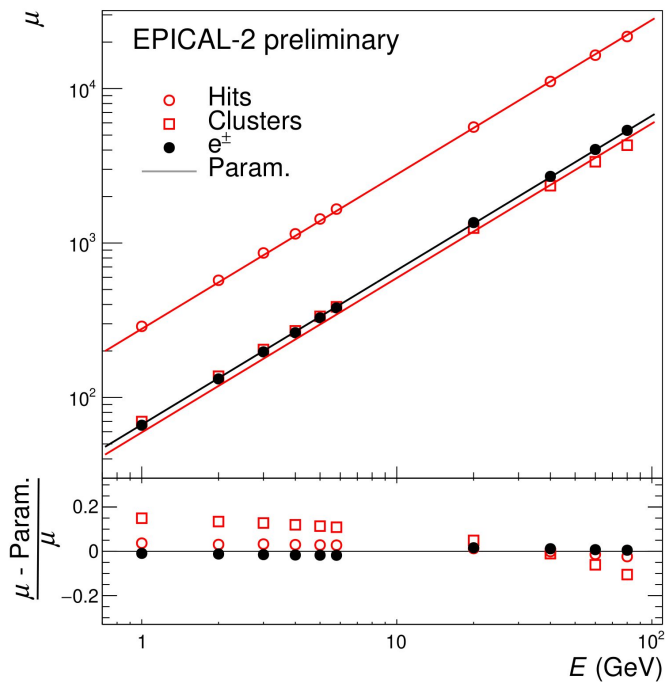
DPG Spring Meeting 2025

- poster by me on tuesday 11th march:
 - “Simulation Studies with the Digital Calorimeter EPICAL-2”
 - simulation studies with particle counting: performance, shower shape
 - SPS beam composition
 - outlook on GEANT4 simulation

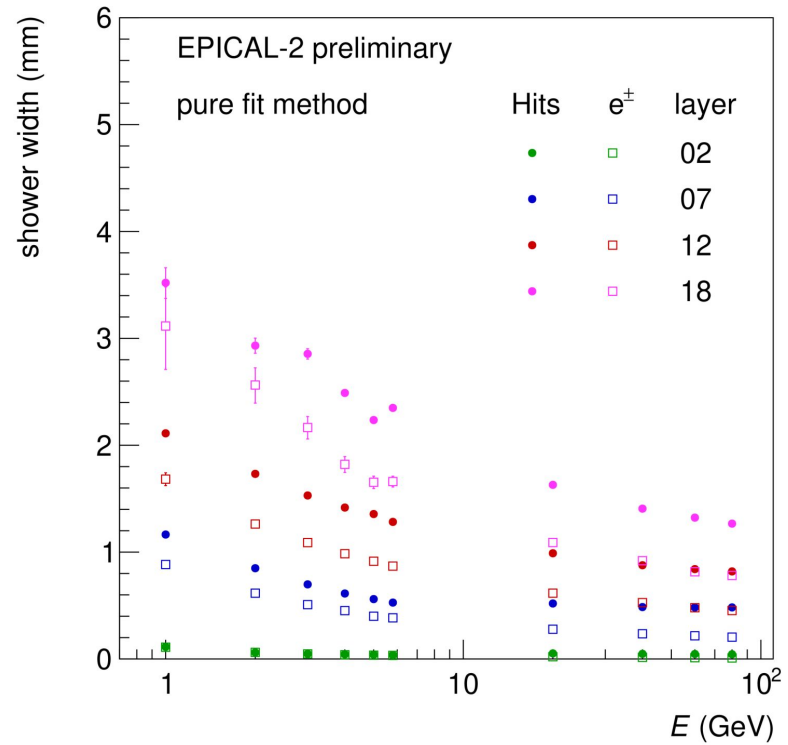
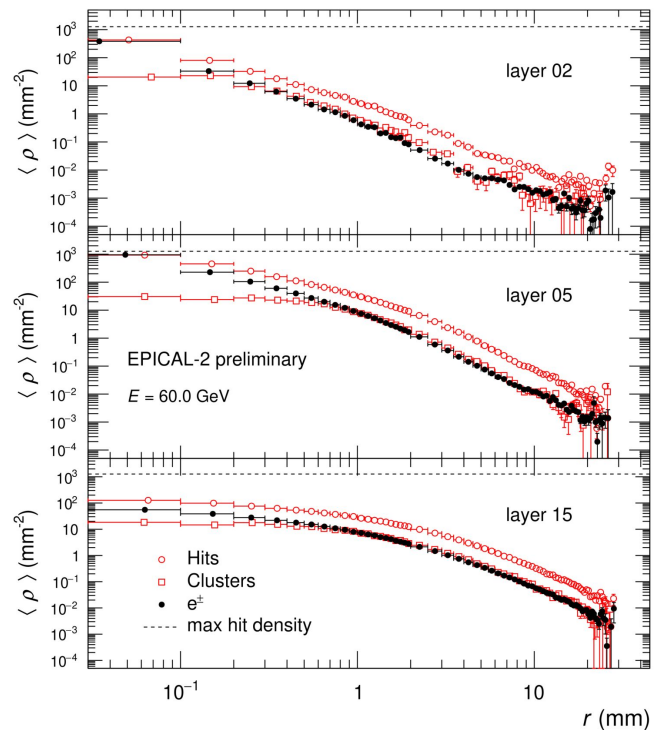
- talk by Johannes on thursday 13th march
 - “Results from the Digital Calorimeter EPICAL-2”
 - data & simulation results: performance, shower shape, Molière radius
 - based on talk at VCI 2025

Results for my poster

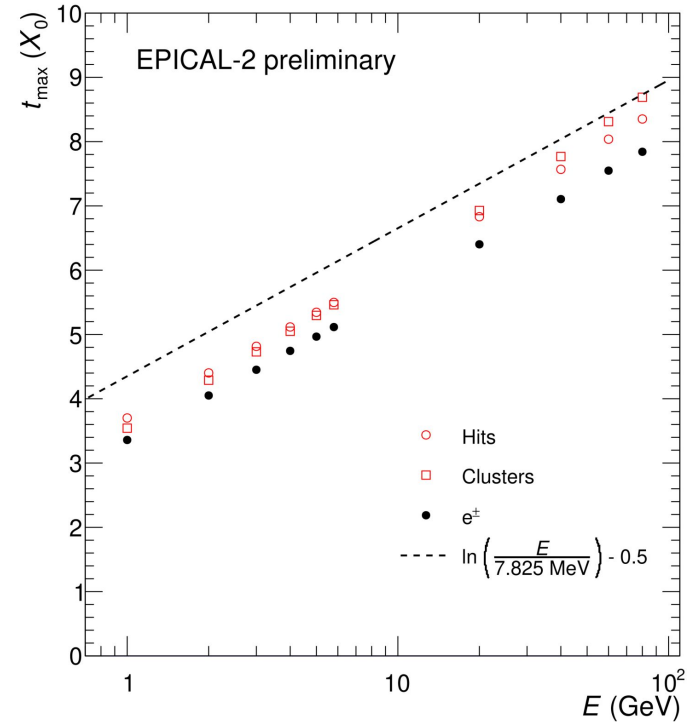
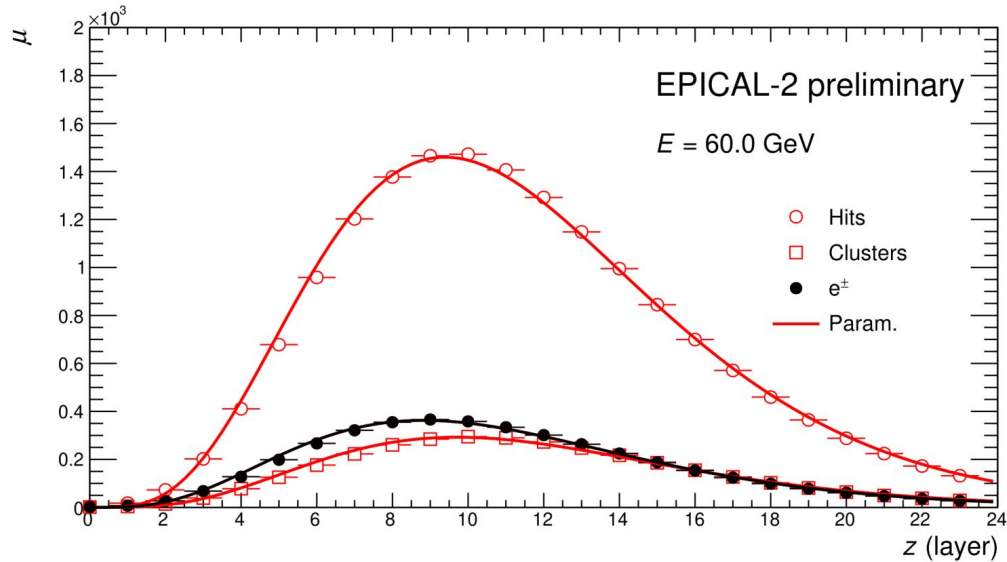
Performance in Simulation



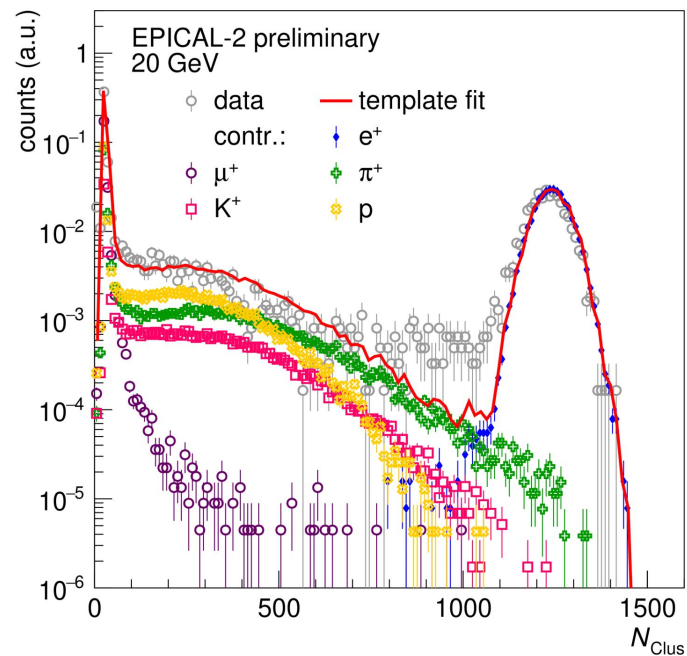
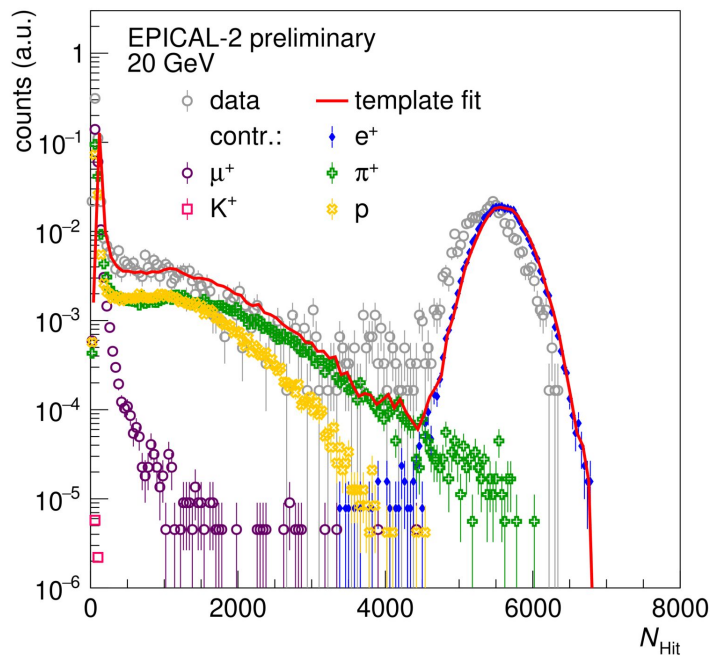
Shower Shape - Lateral



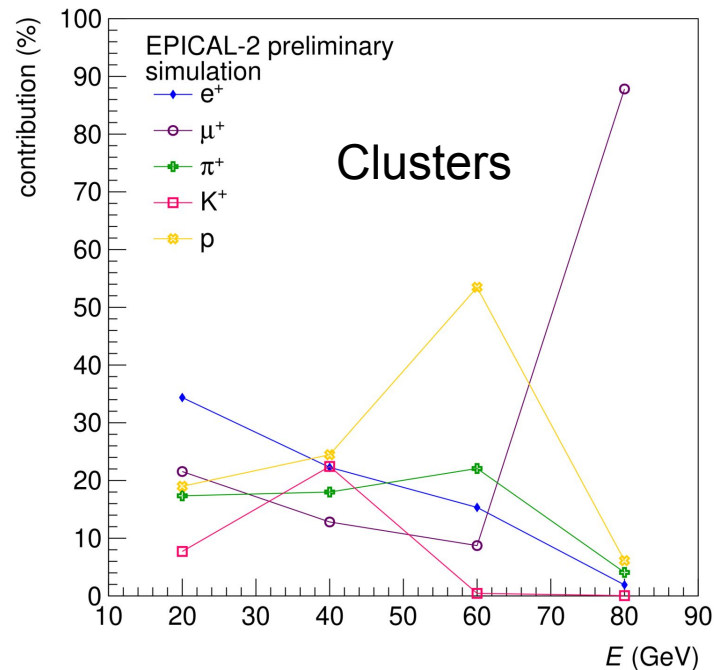
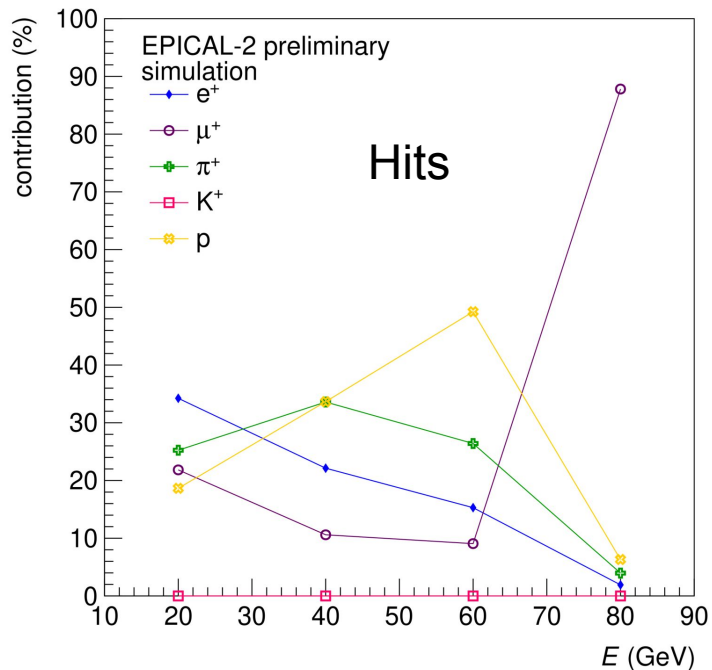
Shower Shape - Longitudinal



SPS Beam Composition



SPS Beam Composition



Outlook: Geant4 Simulation

- 1000 electron events
- 20 GeV

