

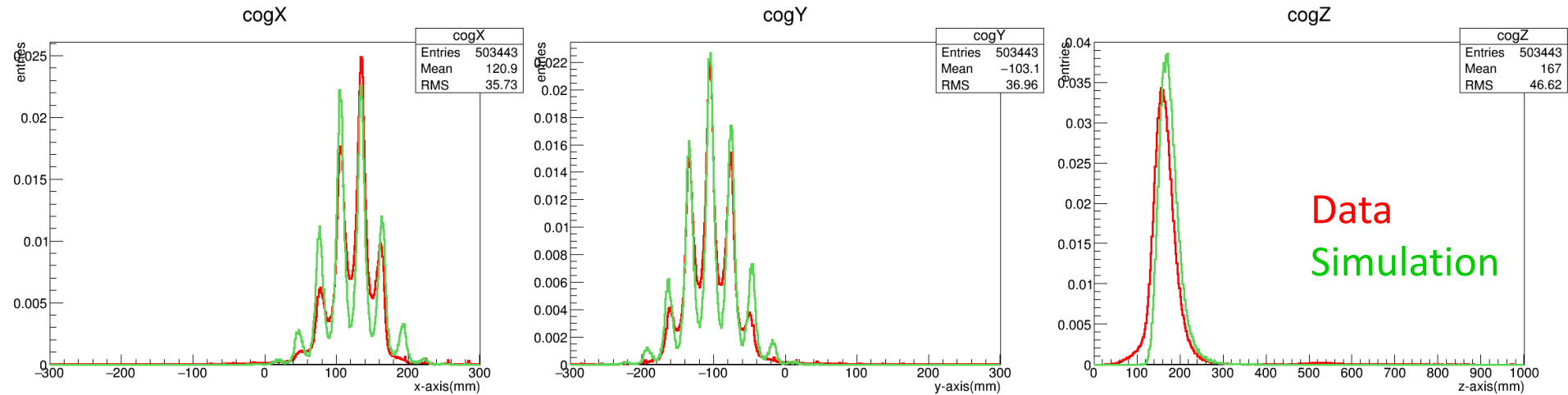
First look into June electron data

Anna Rosmanitz

AHCAL main meeting

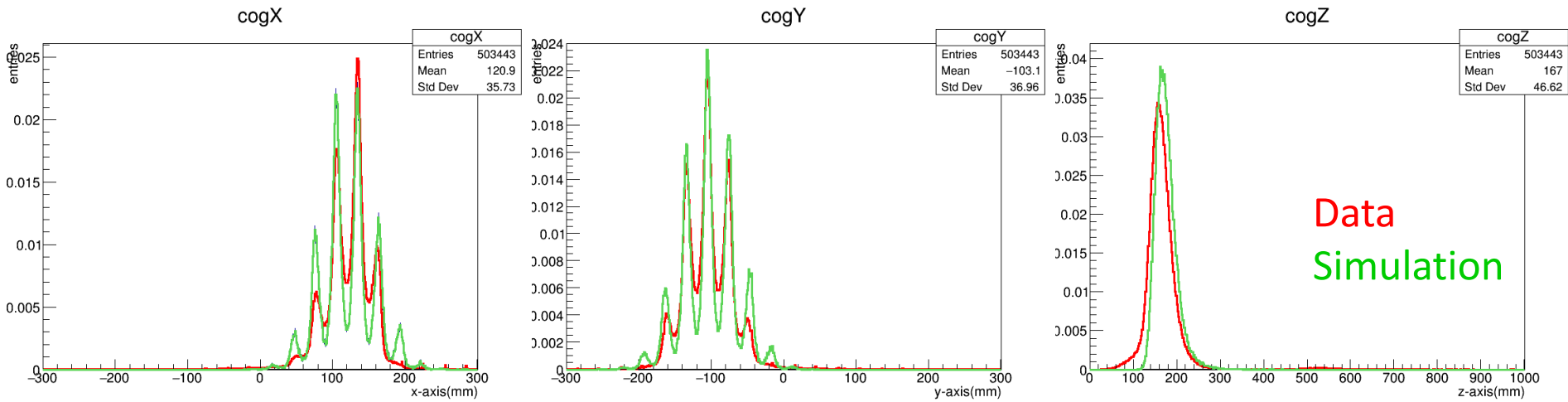
18.12.2018

Centre of Gravity; 10 GeV



- Beam position: Mean of COG distribution
- Beam sigma: RMS of COG distribution
- Beam distance: 5 m \Rightarrow needs to increase

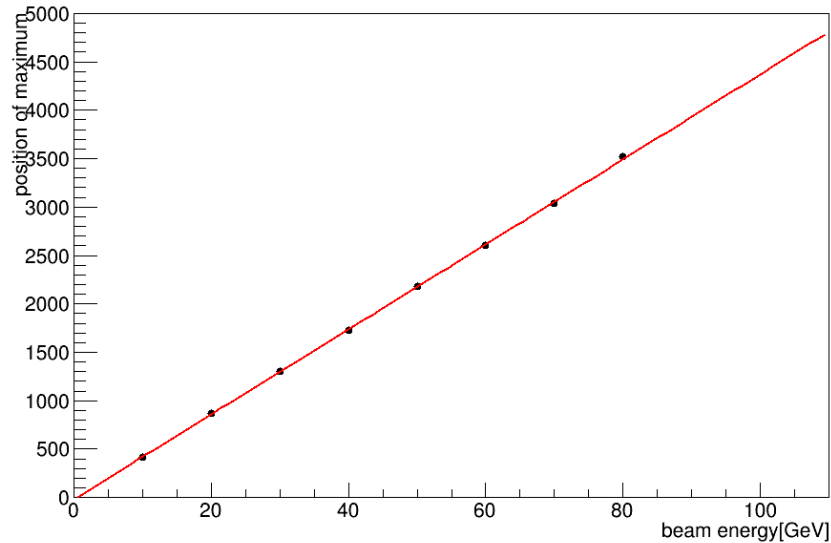
Centre of Gravity; 10 GeV



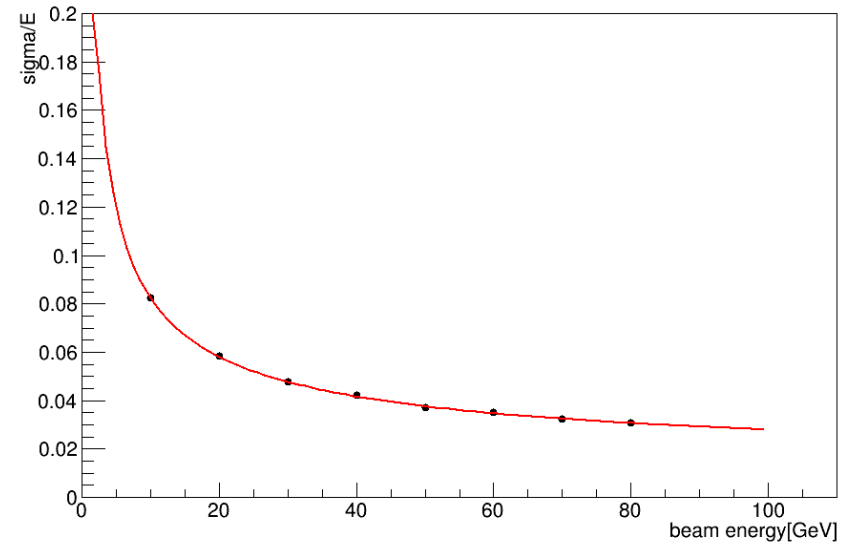
- Beam distance: 10 m

Linearity of Total Energy

linearity



energy resolution



Linearity

offset	-18.7 ± 0.1
slope	43.9 ± 0.0

Energy resolution

a	0.25 ± 0.00
b	0.19 ± 0.03
c	0.01 ± 0.00

Summary and To Do

- Get reconstruction running ✓
- Get simulation running ✓
- Tune simulation and put values on Confluence [Work in progress](#)
- Add ParticleID processor ✓
- Apply cuts and put values on Confluence [Work in progress](#)
- Comparison of simulation and data, analyse shower shapes

Thank you for your
attention!