

Angular and Energy conditioning

25.11.2021

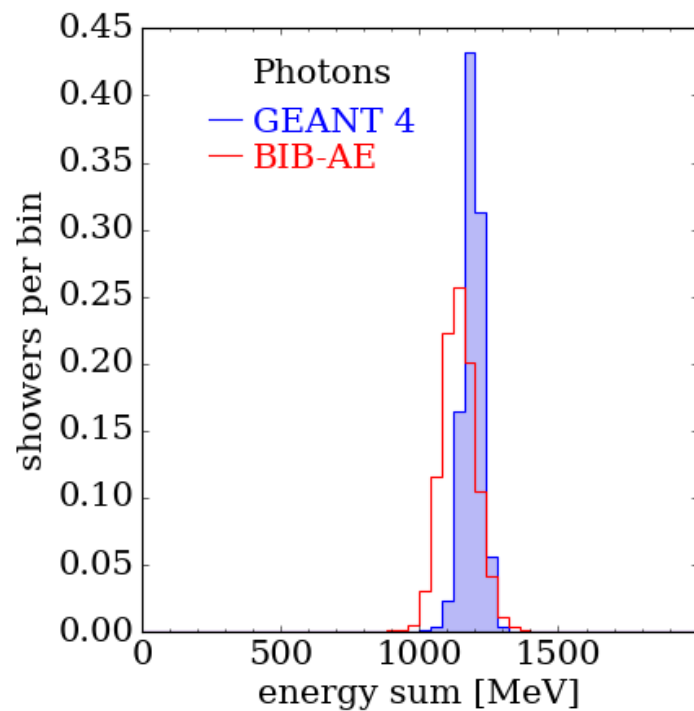
BIB-AE Angular photon progress

Very preliminary!!

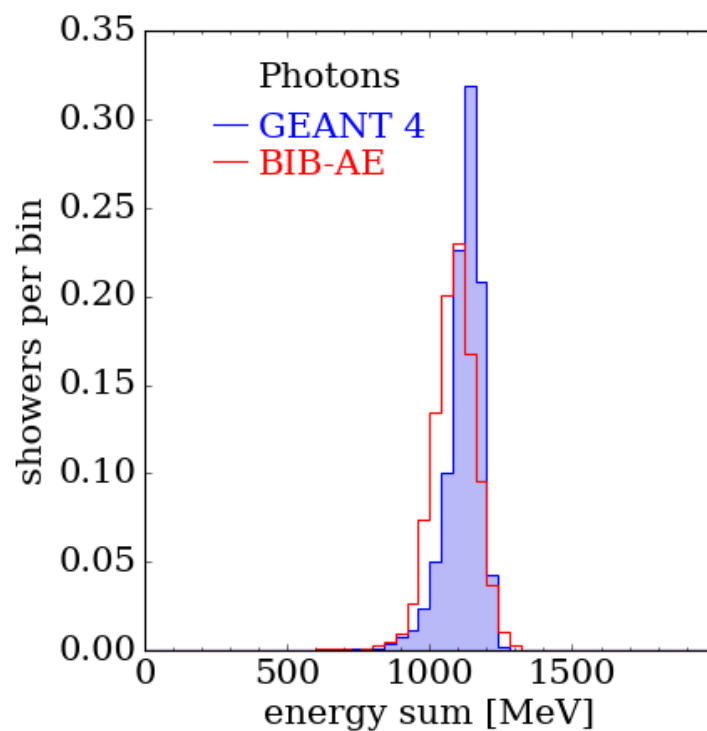
- Angular BIB-AE training over full range: 10-100GeV and 30-90 degrees has been ongoing
- Currently up to epoch 40
- Have 50 GeV 40, 60, 90 degree validation showers from Engin
- Postprocessing has been adapted and (should be) ready to be applied- before or after epoch scan?
- Rejection sampling from kde is significantly slower now that it is run over a larger range
- Plots I show here are just the first epoch I have looked at (ep. 31), without any kind of epoch selection

Energy sum- 50 GeV

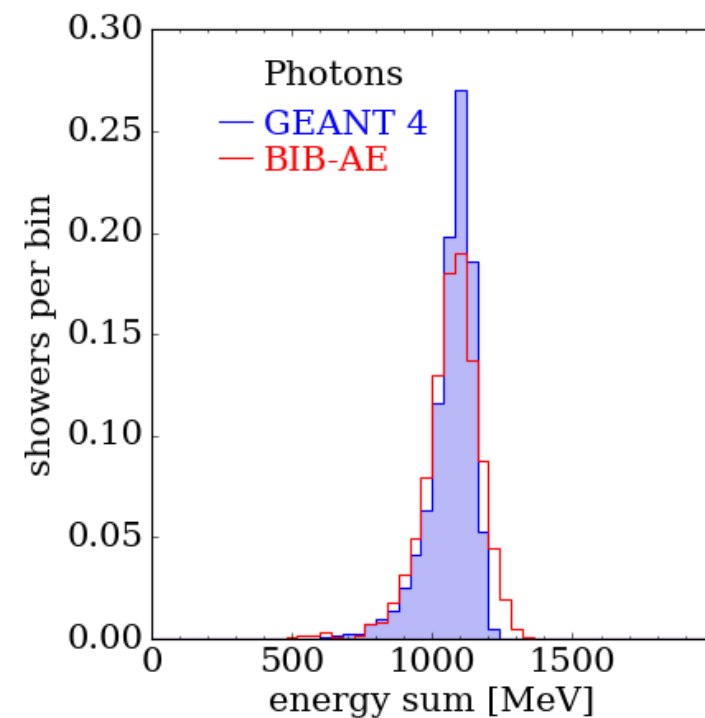
A 40 deg



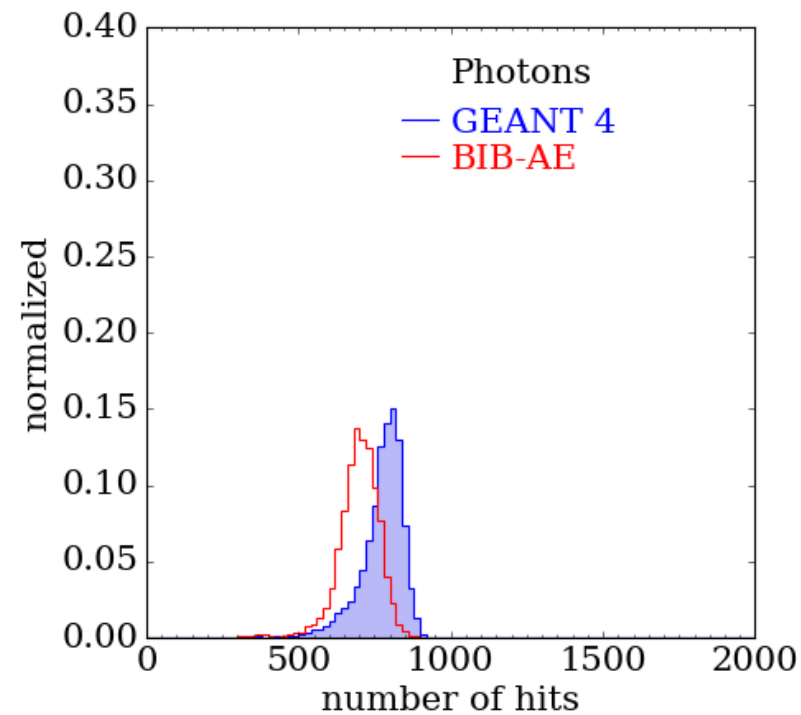
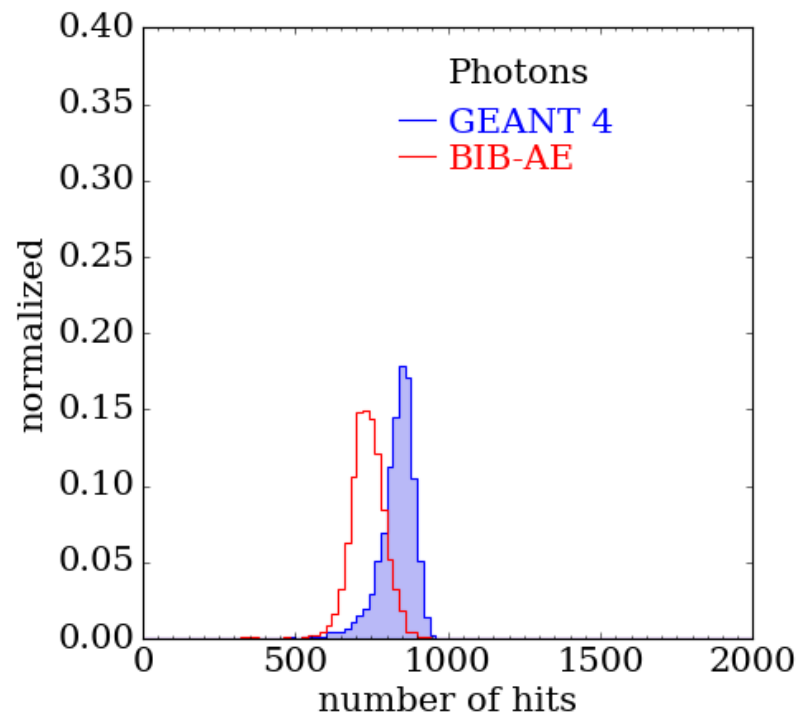
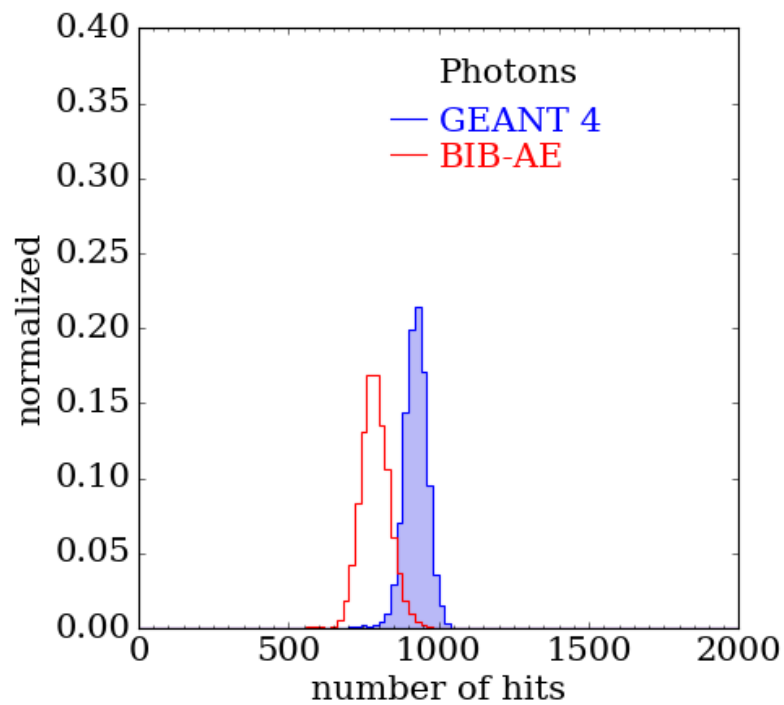
A 60 deg



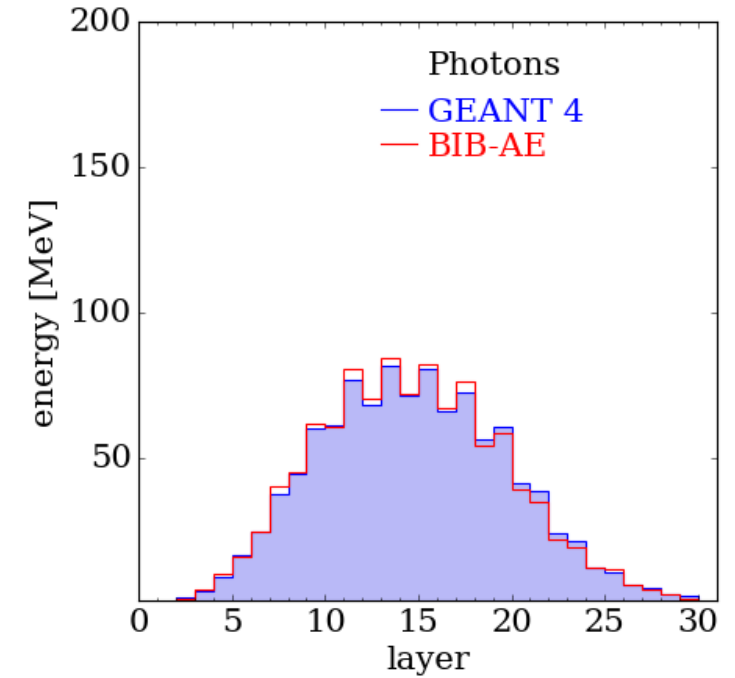
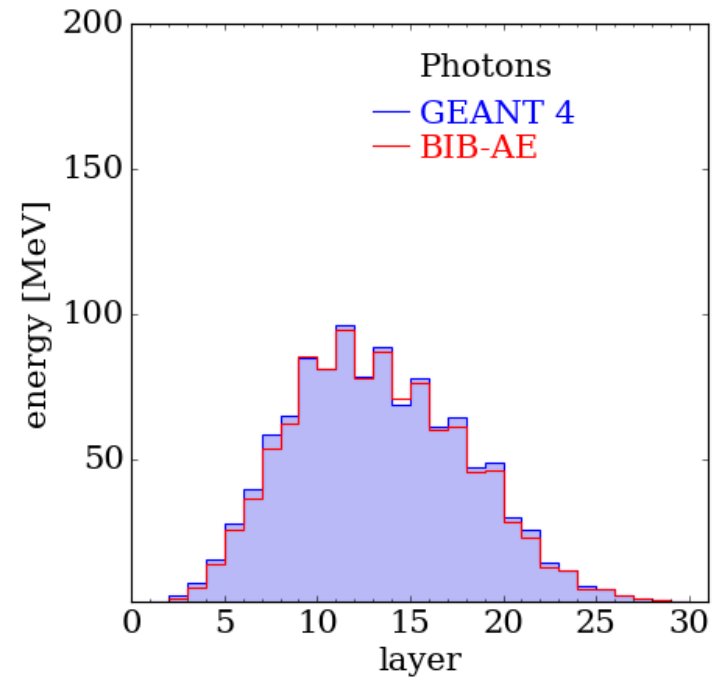
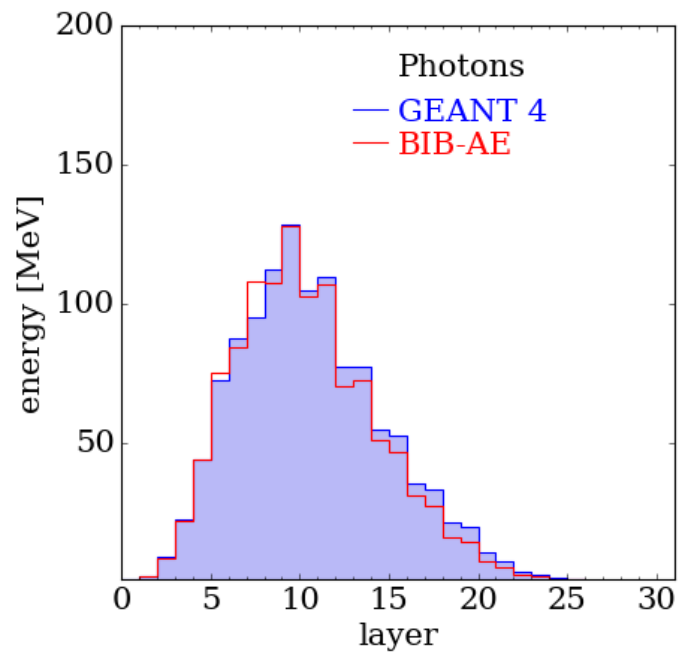
A 90 deg



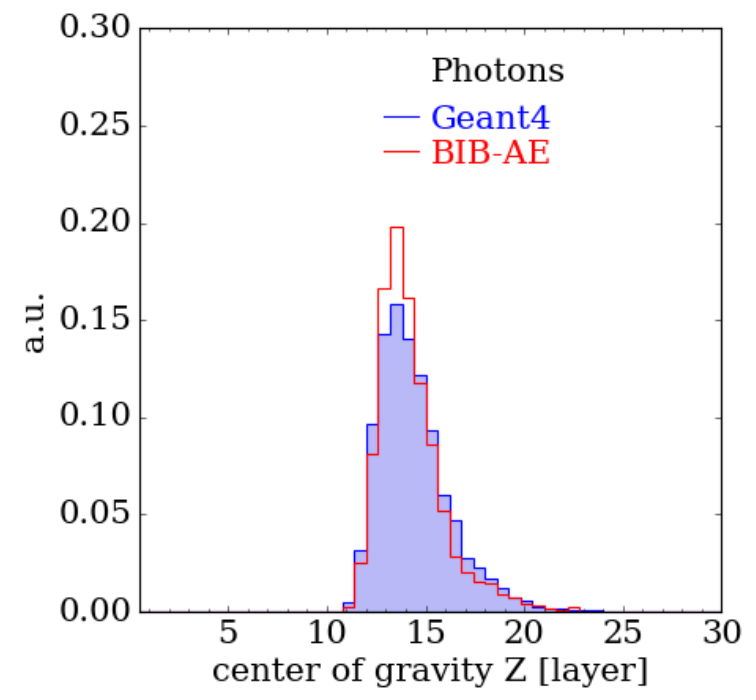
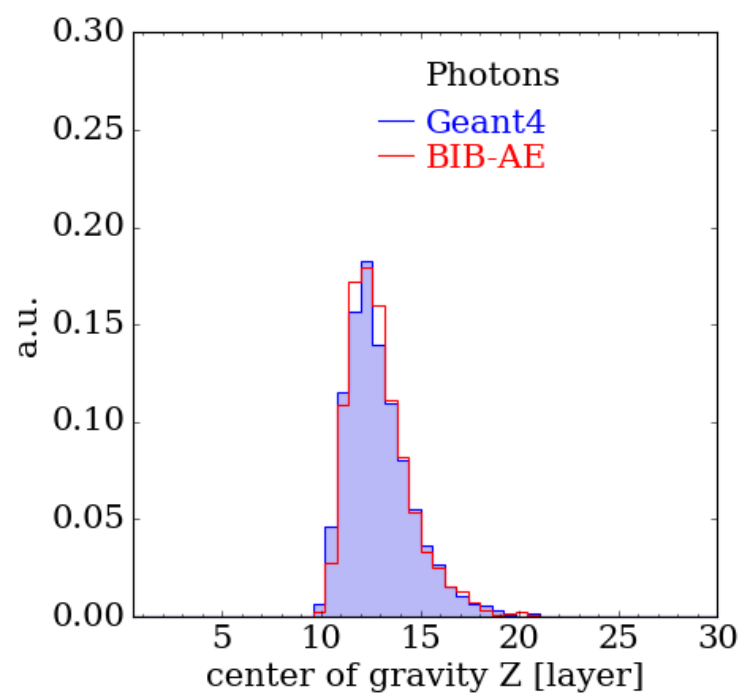
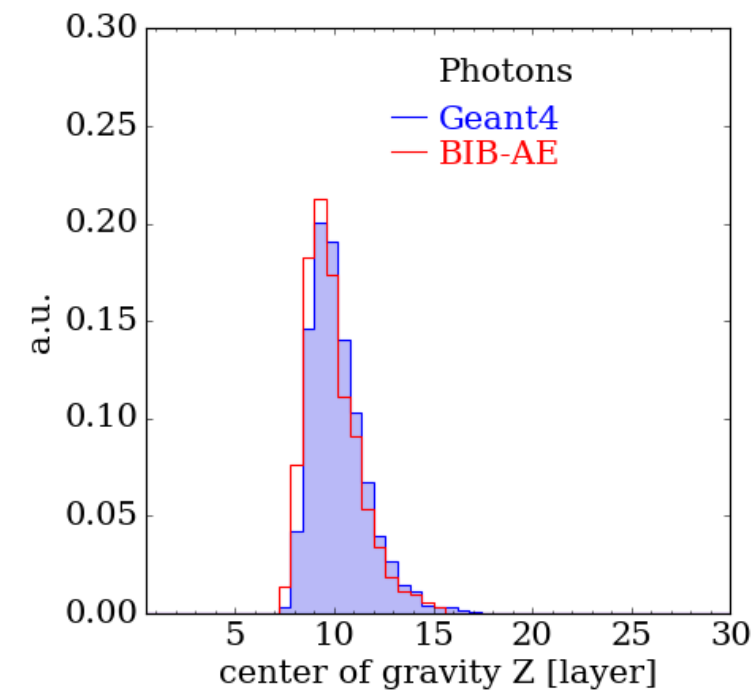
Number of hits



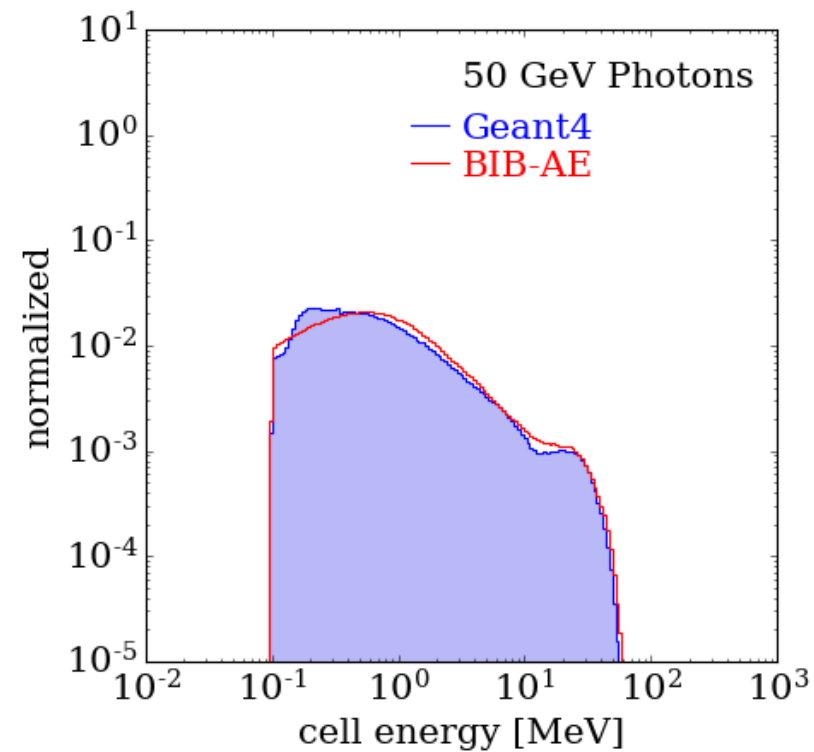
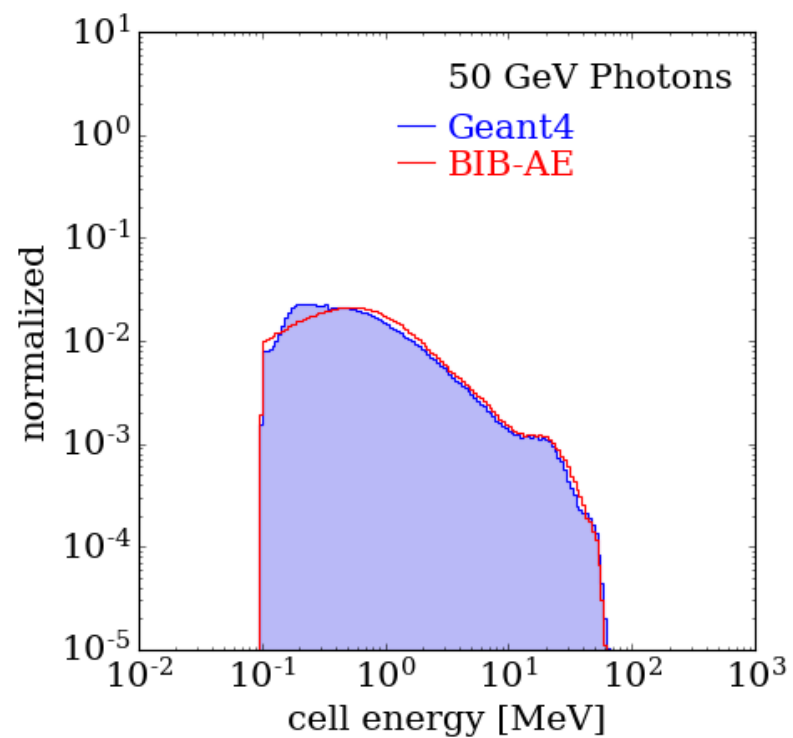
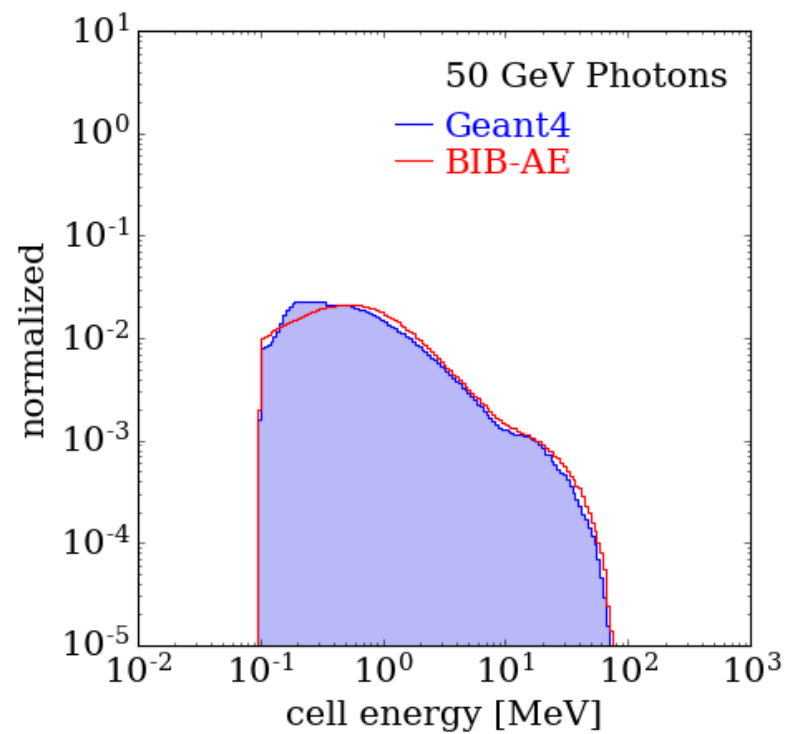
Longitudinal profile



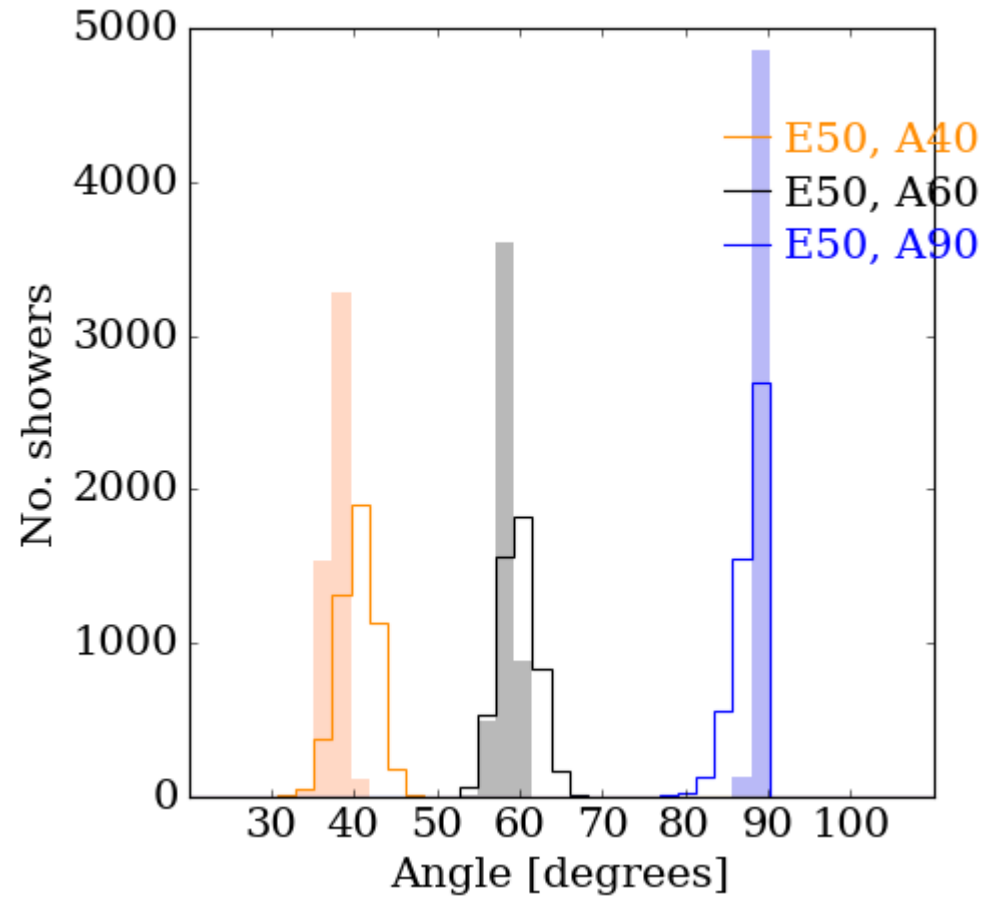
Center of gravity



Cell energy



Angular distribution



Radial profile- NOT YET VERIFIED!!!

