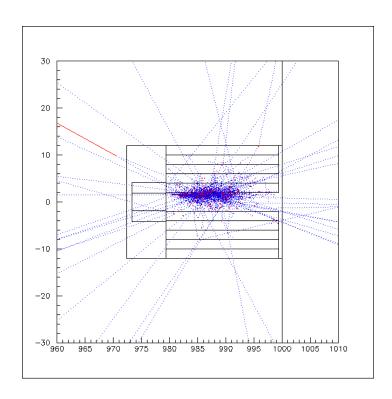
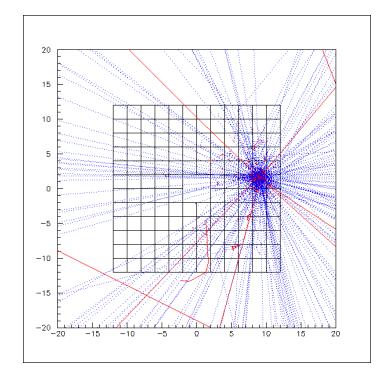
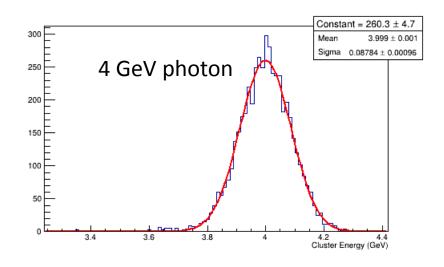
CCAL in Geant

- CCAL geometry in Geant
- geometry for each target types (no target)
 - several branches in the git repository, have to recompile Geant to switch to the new configuration
 - realistic positions of targets (based on the survey group) in Geant Geant geometry is used in reconstruction (stored in CCDB)



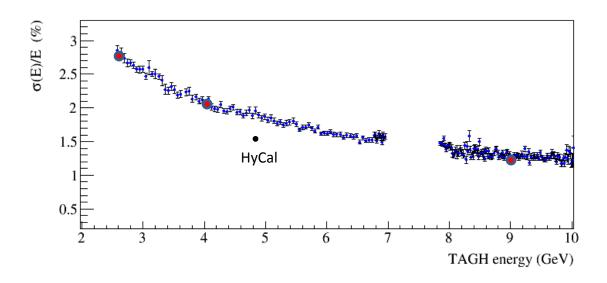


CCAL MC Reconstruction

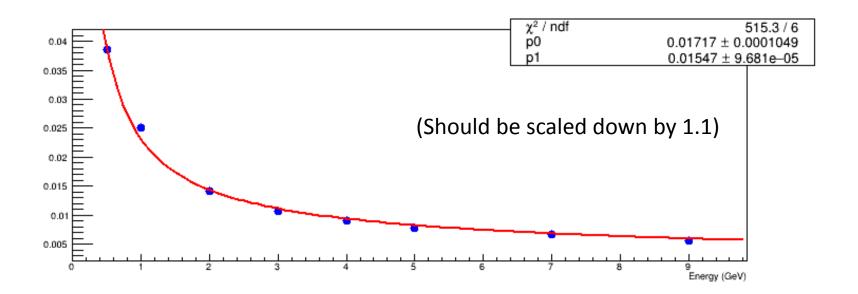


MC simulation

- Geant (energy deposition)
 - MC truth point
- MC smearing
 - hits
 - smear energy, position, and time according to data

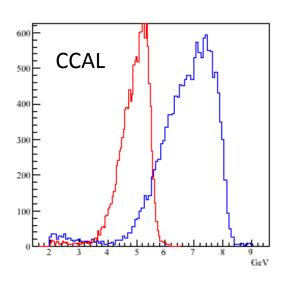


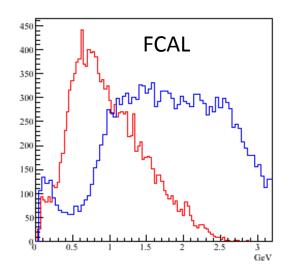
Energy Released in Geant



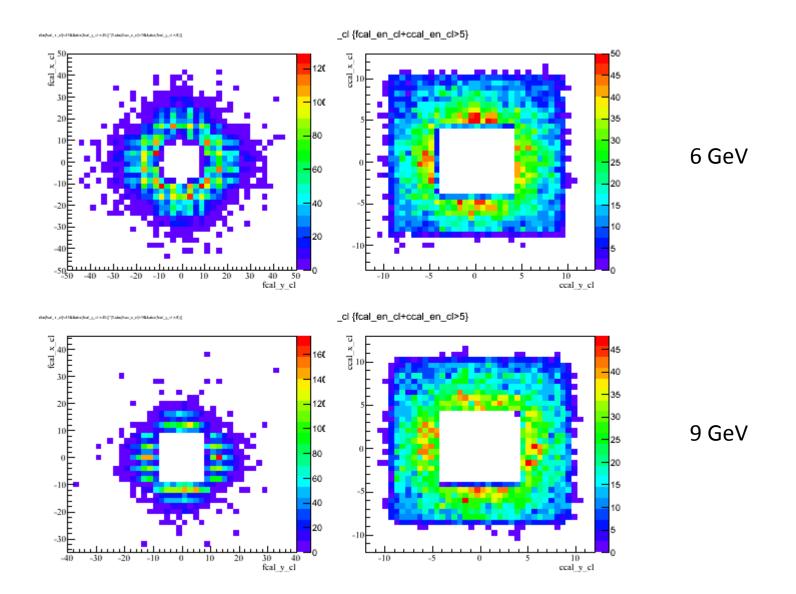
Compton Reconstruction

Cluster energy (Ebeam = 6 GeV and 9 GeV)





Compton Reconstruction



Compton Reconstruction

6 GeV 9 GeV

