

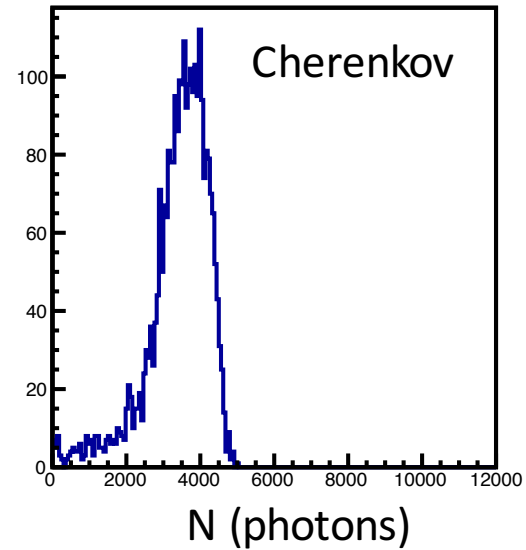
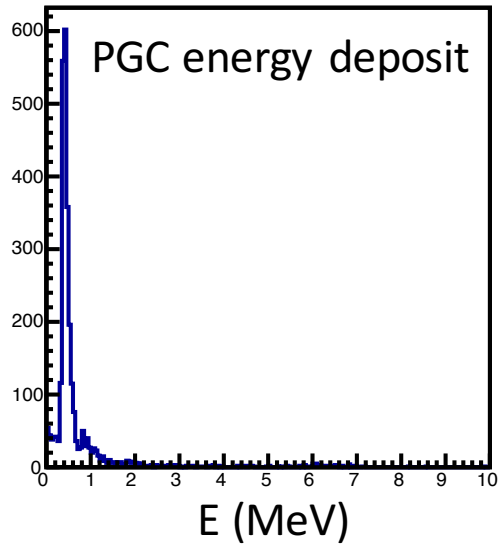
GEANT4 Works

Development of PGC data

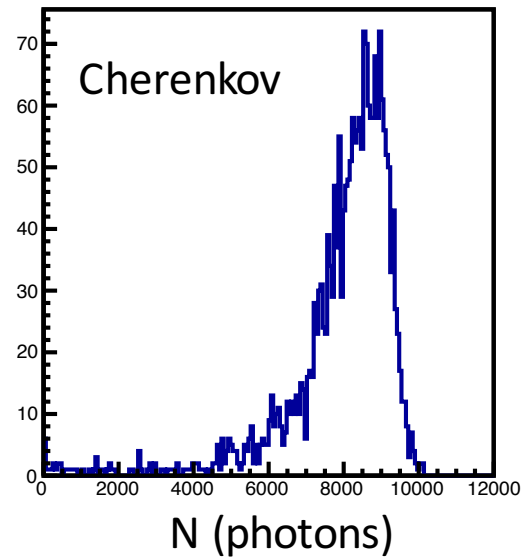
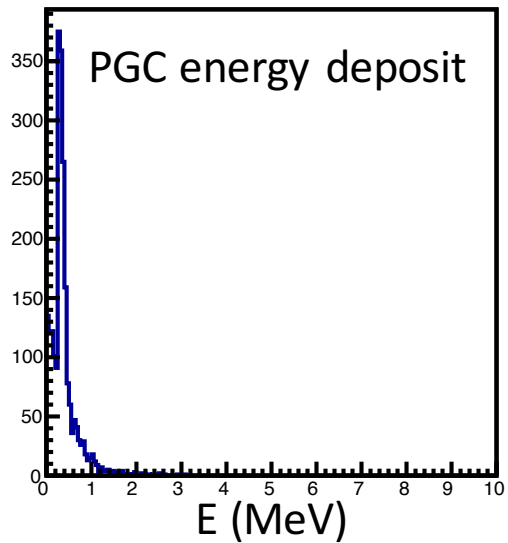
Hiroshi Ito
Chiba Univ.

PGC data profile

Kmu2



Ke2



PGC data profile

- Conventional G4 PGC data was deposit energy.
- The number of emitting Cherenkov photons in the lead glass was developed and imported.
- Current optical condition for lead glass is following:
 - n = 1.5
 - optical photon track is killed soon.
 - surface is polished.
- N=3,000-4,000 in Km²
- N=8,000-10,000 in Ke²
- The data component is 84.