

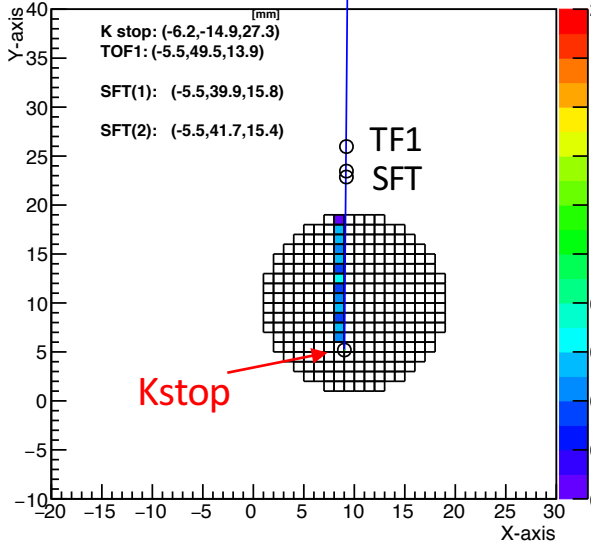
GEANT4

Event Display & Profile

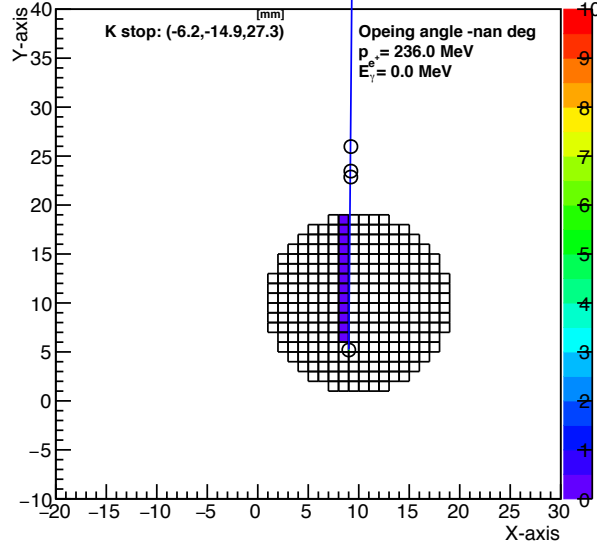
Hiroshi Ito
Chiba Univ.

G4 Kmu2 event display

Target dE (Event: 3100)

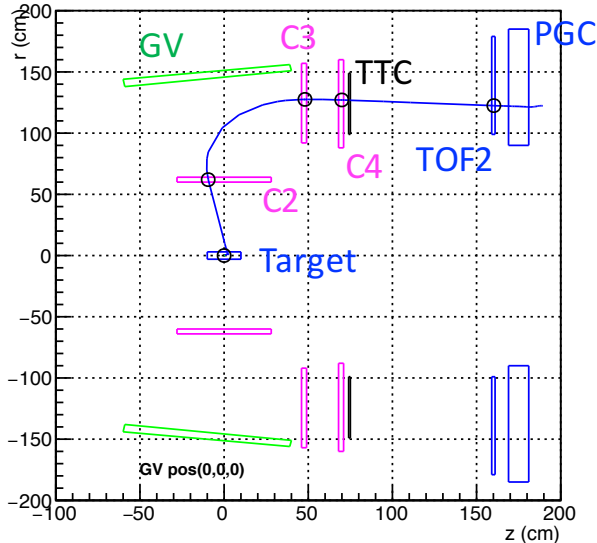
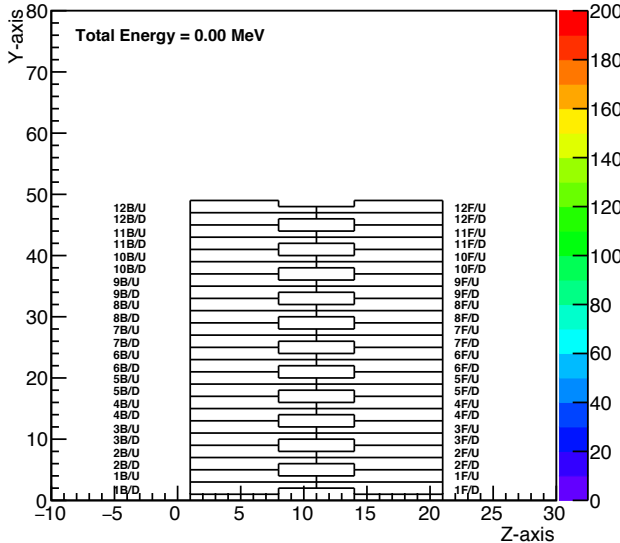


Target dt (Event: 3100)

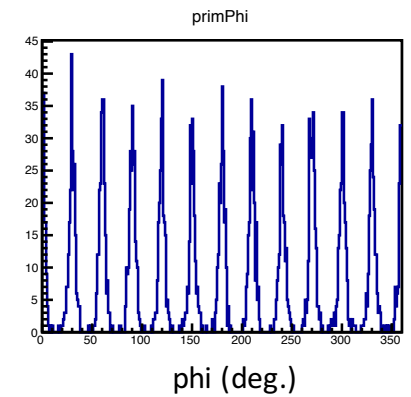
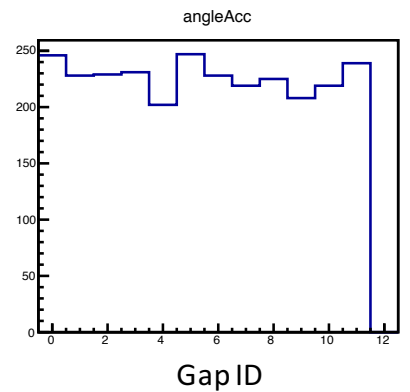
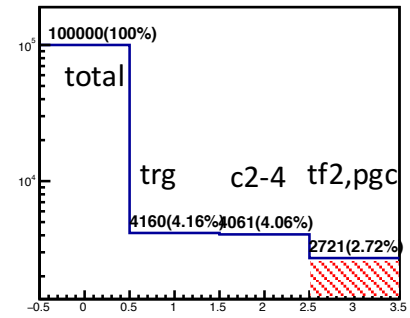
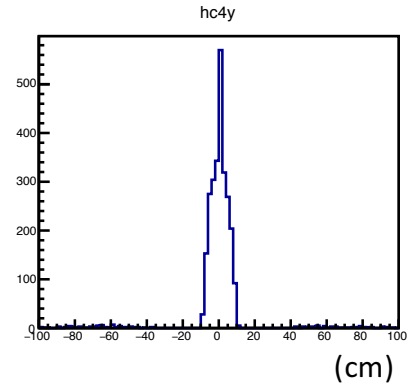
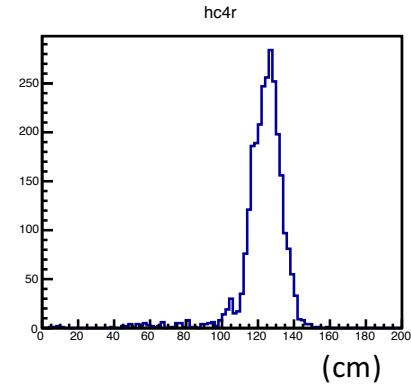
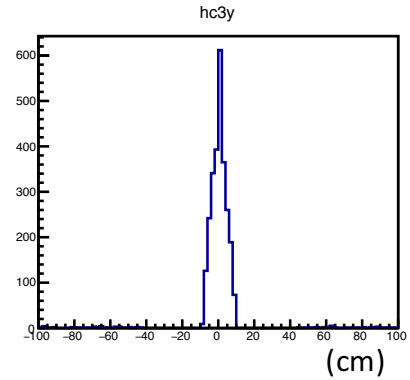
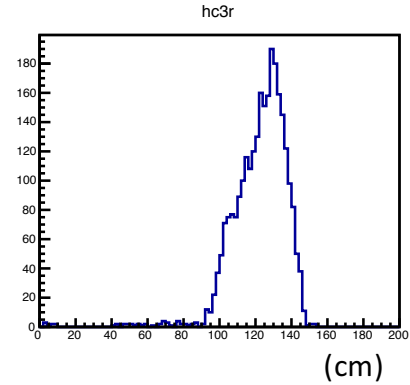
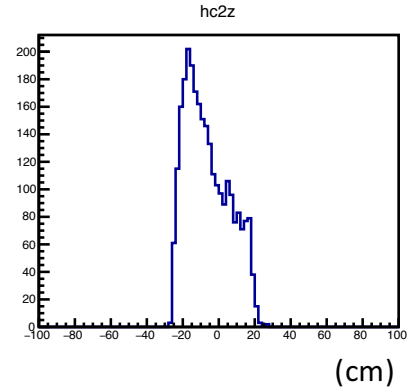
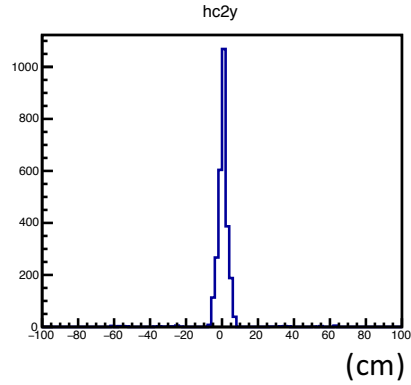
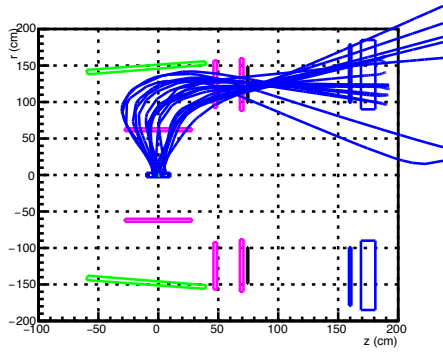


- Kmu2 muon $p=236 \text{ MeV}/c$
- Primary generation μ^+
- K stop position: Gaussian random
 $(\sigma_x, \sigma_y, \sigma_z) = (1, 1, 3) \text{ cm}$
- Total 100,000 μ^+ yield
- Data coll. trigger:
 Targ, TF1, TTC, C2-4

Target Evnt: 3100



G4 Kmu2 event profile



Summary

- G4 event display and profile monitor were developed after the detector fine alignment.
- Kmu2 mu+ tracking, TOF2, PGC good event efficiency was estimated to be 2.7%.
- Angle uniformity is good.
- Next, Ke2, Ke2 γ event and debug of the code will be performed.