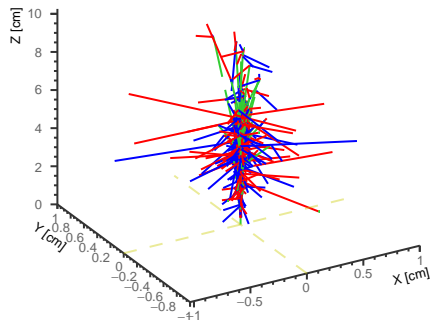


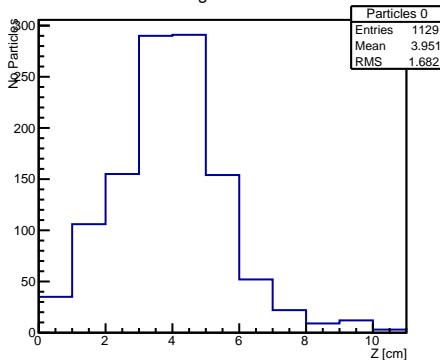
$E_i = 5000 \text{ MeV}$

Electromagnetic Shower in Plumbum

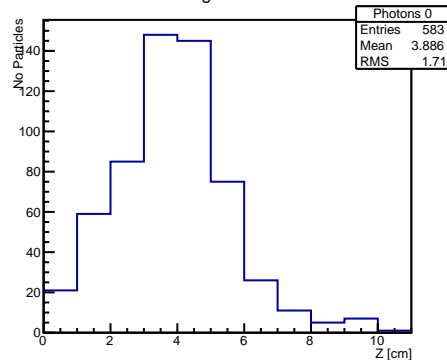
— Photons
— Electrons
— Positrons



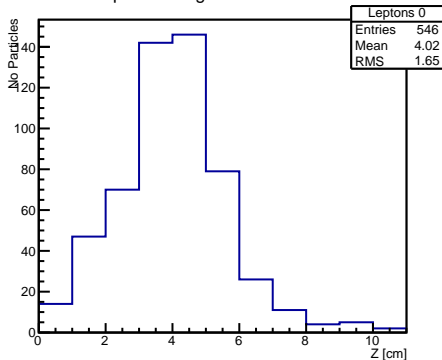
Particles' Longitudinal Distribution



Photons' Longitudinal Distribution



Leptons' Longitudinal Distribution



Electromagnetic Shower in Plumbum Generated by a photon with $E_i = 5000 \text{ MeV}$

Total No of Particles: 957

No of Photons: 369

No of Leptons: 588

No of Photon Pair Production Events: 294

No of Bremsstrahlung Radiation Events: 6875

No of Electron-Positron Annihilation Events: 42

Max Longitudinal Profile at 5 cm with 291 particles

Shower's Length: 11 cm

Shower's Width: 1.043915 cm