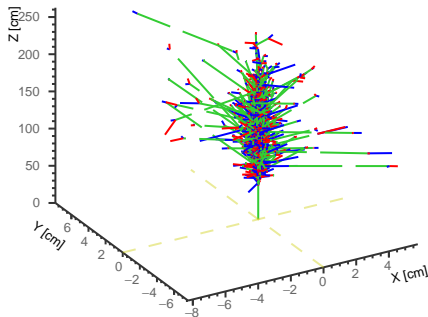


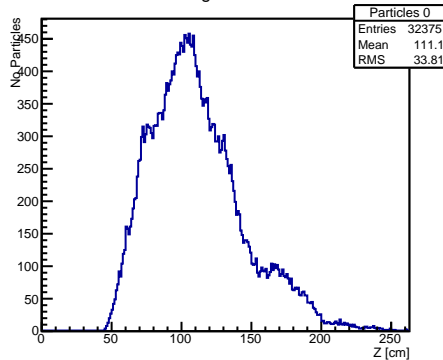
$E_i = 50000$ MeV

Electromagnetic Shower in Aluminium

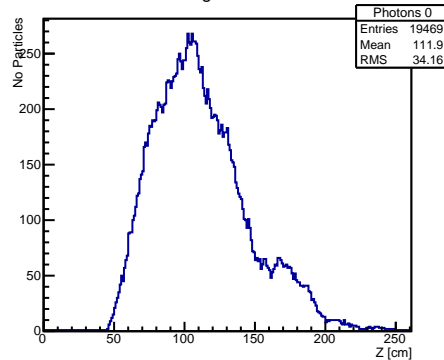
— Photons
— Electrons
— Positrons



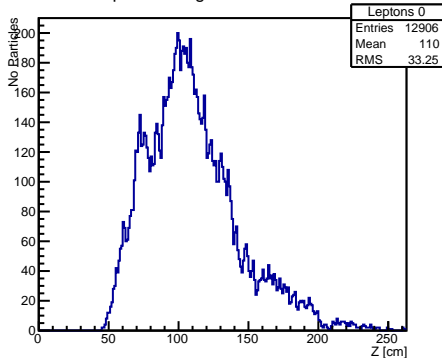
Particles' Longitudinal Distribution



Photons' Longitudinal Distribution



Leptons' Longitudinal Distribution



Electromagnetic Shower in Aluminium

Generated by a photon with $E_i = 50000$ MeV

Total No of Particles: 5047

No of Photons: 1997

No of Leptons: 3050

No of Photon Pair Production Events: 1525

No of Bremsstrahlung Radiation Events: 16962

No of Electron-Positron Annihilation Events: 272

Max Longitudinal Profile at 106 cm with 458 particles

Shower's Length: 263 cm

Shower's Width: 9.651898 cm