

IDEA Drift Chamber simulation Geant 4 & DD4HEP framework cross-check

Walaa Elmetenawee - Briec Francois

FCC Detector Full Sim working Meeting

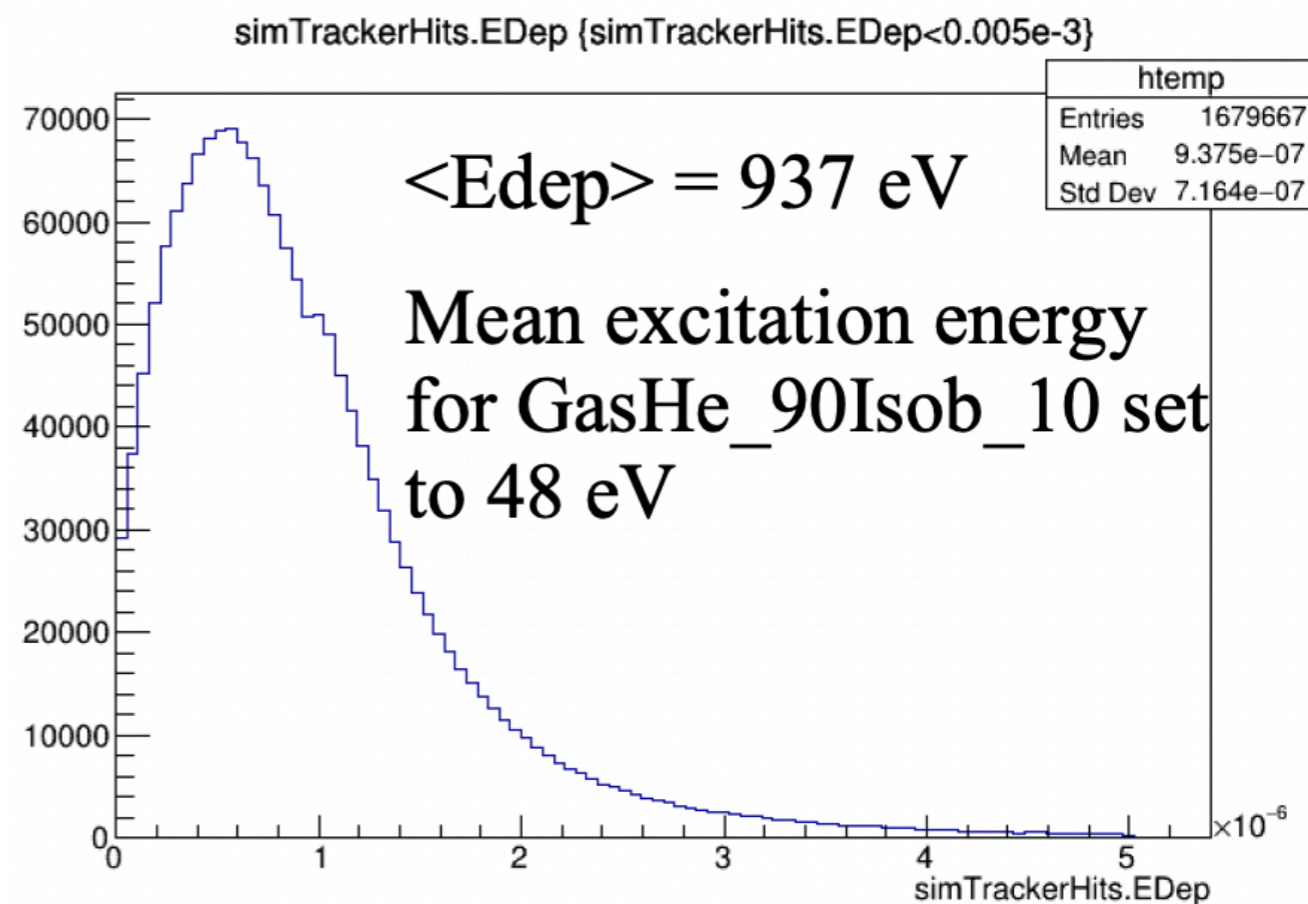
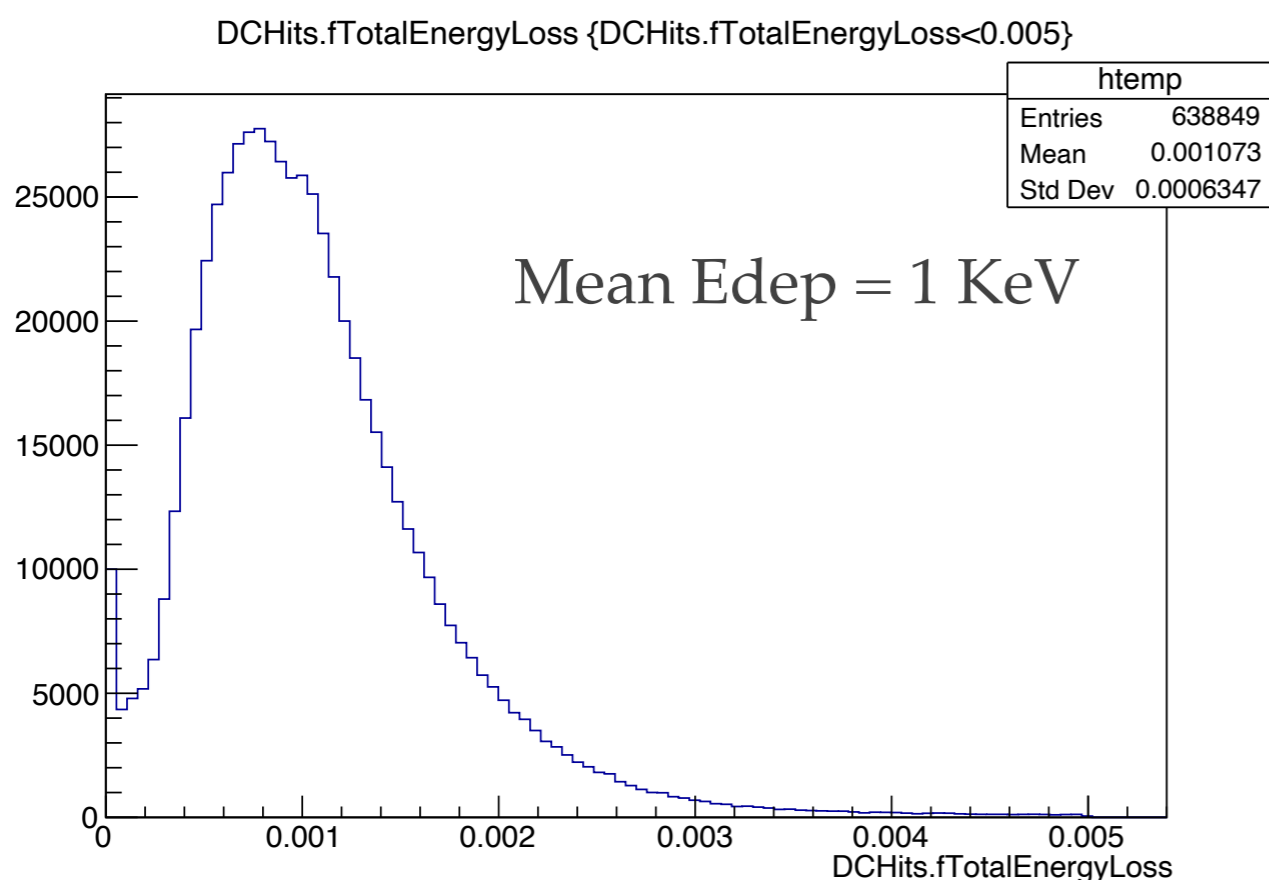
Jun. 12, 2023

Geant4 vs Key4Hep framework

📍 Muons at 10 GeV, $0-2\pi$ in Phi; 45-135 in Theta

📍 Geant 4 Framework

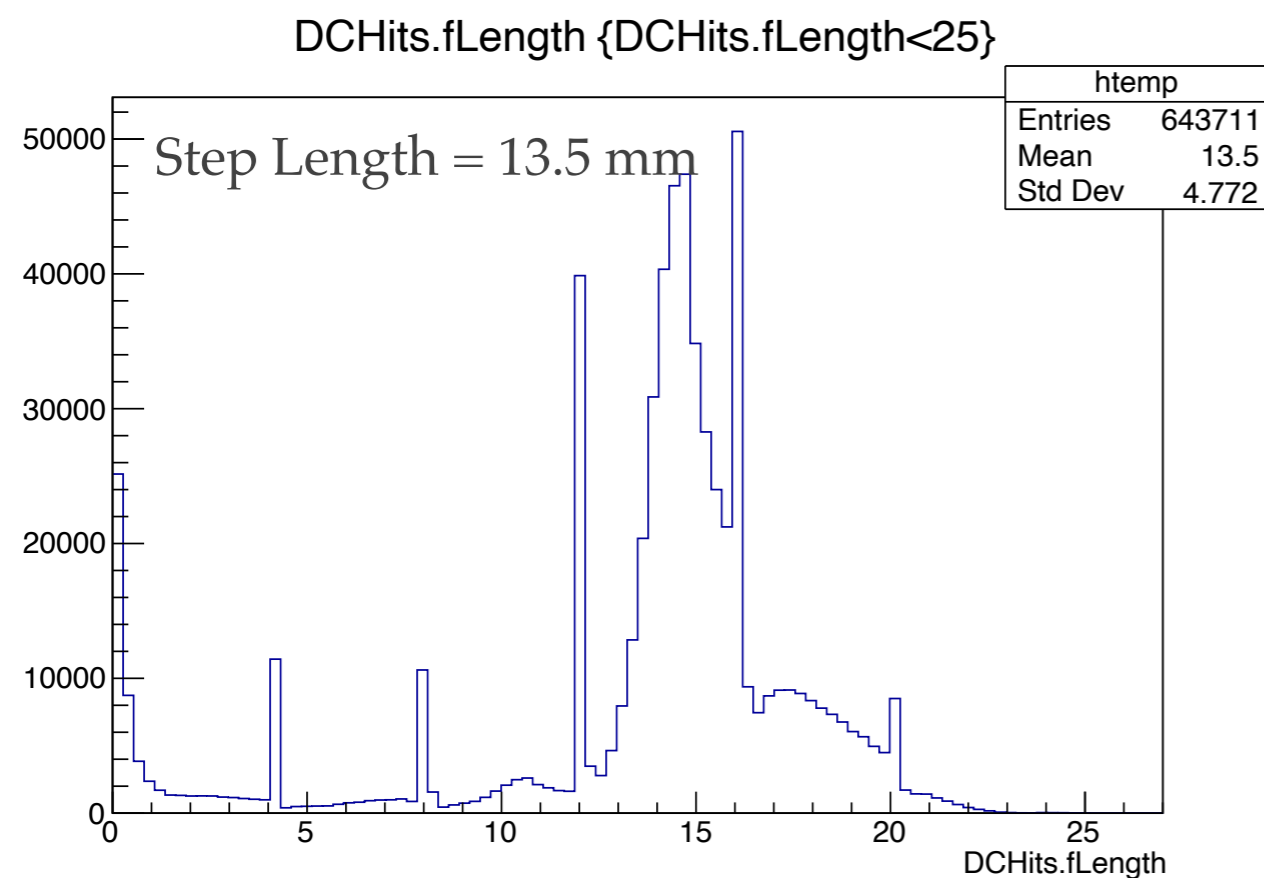
📍 Key4Hep Framework



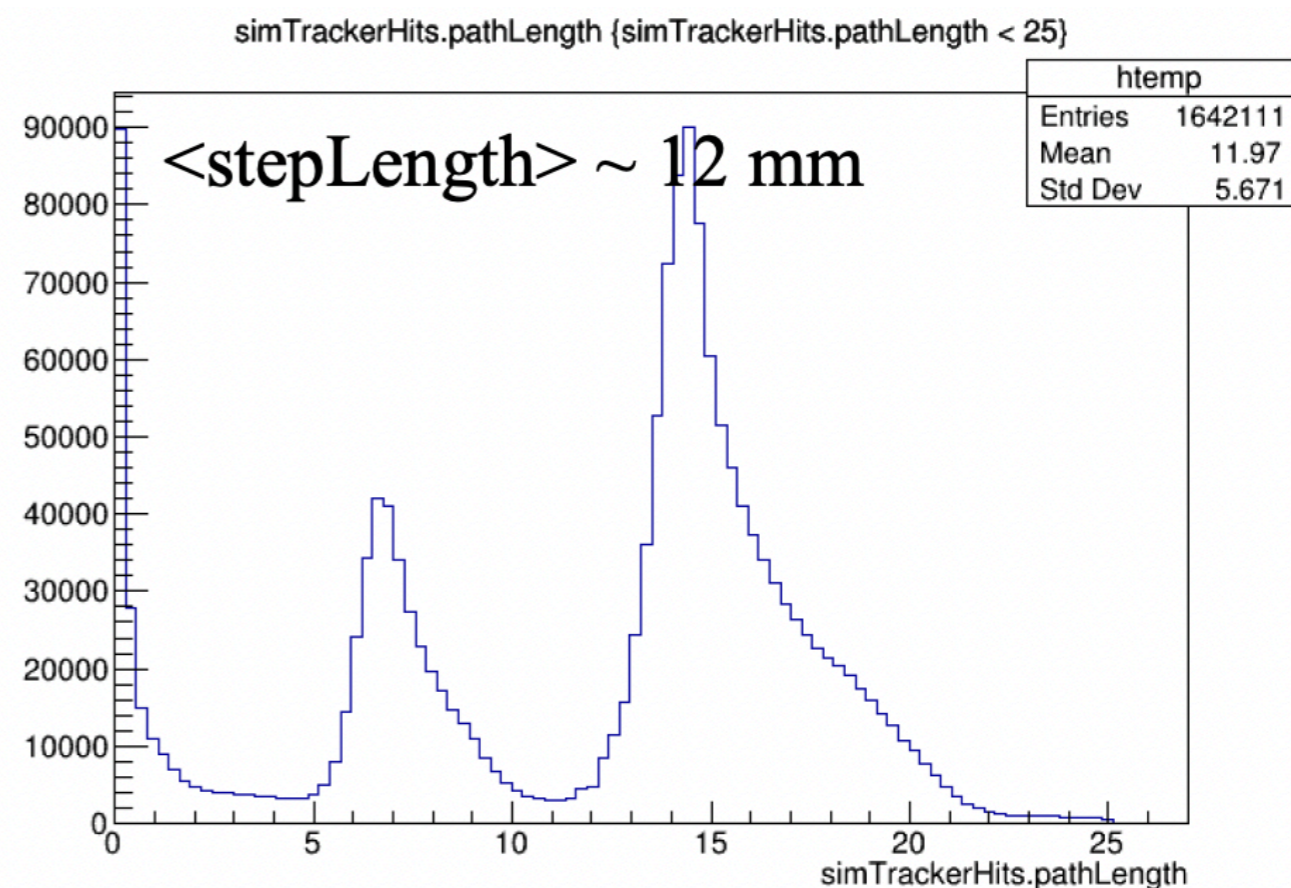
Geant4 vs Key4Hep framework

📌 Muons at 10 Gev, $0-2\pi$ in Phi; 45-135 in Theta

📌 Geant 4 Framework



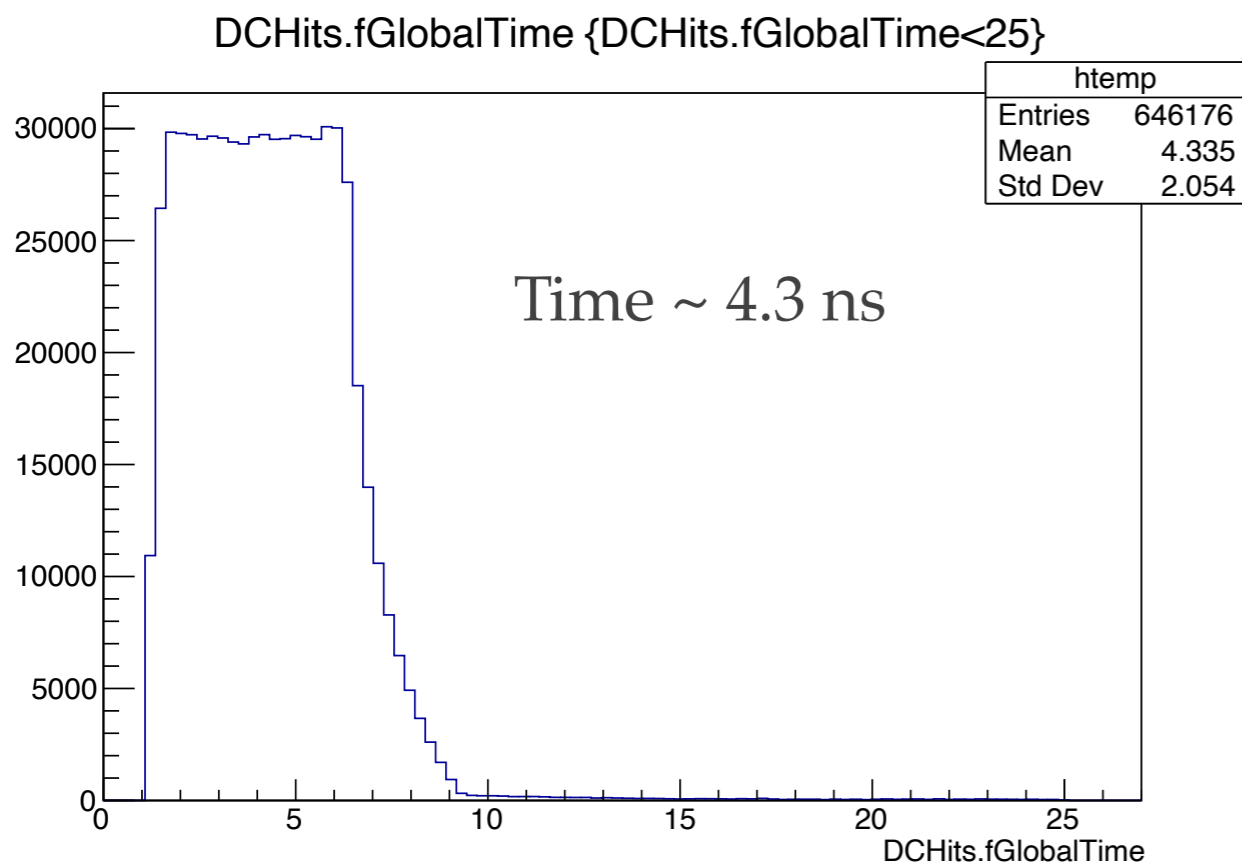
📌 Key4Hep Framework



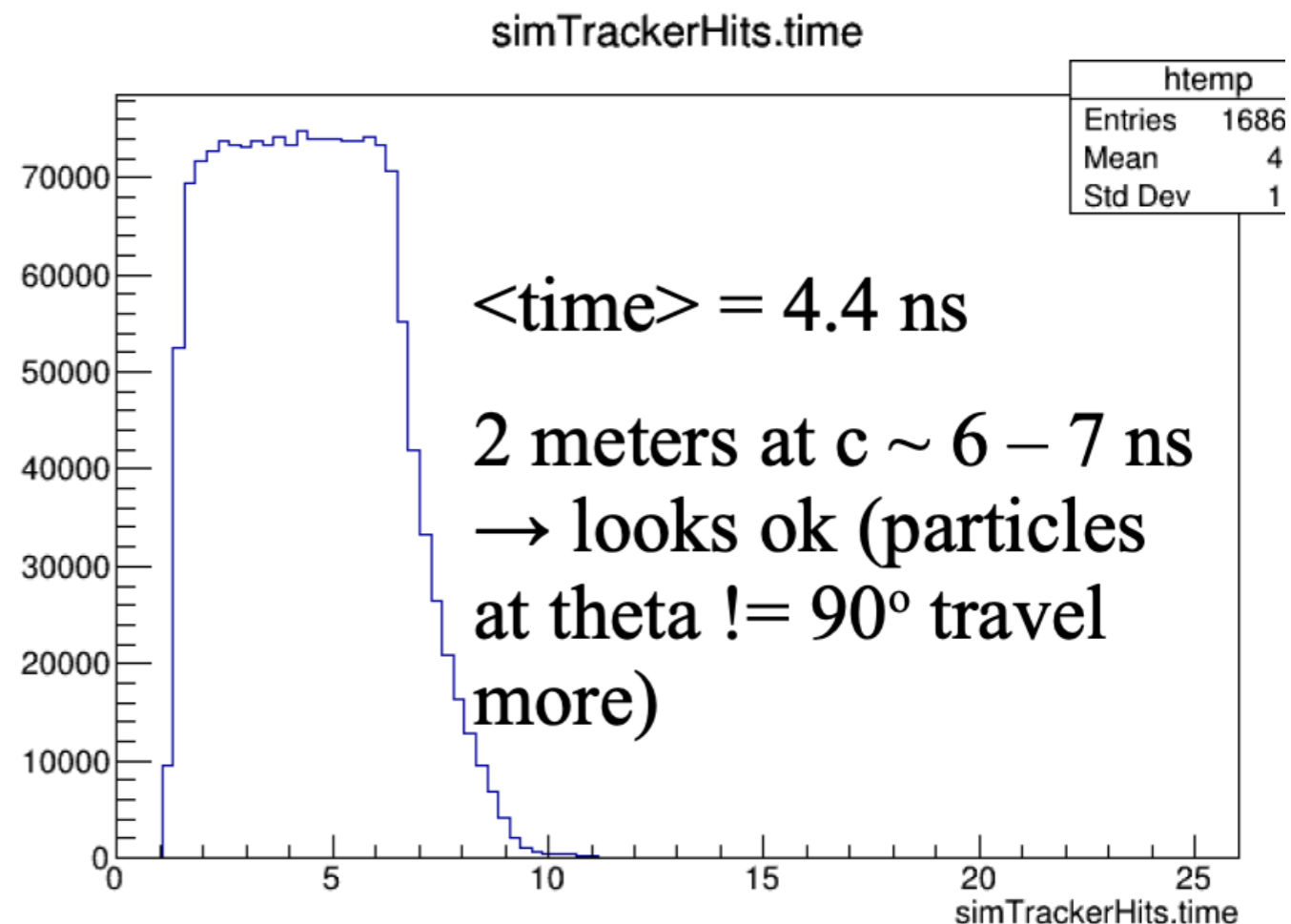
Geant4 vs Key4Hep framework

📍 Muons at 10 GeV, $0-2\pi$ in Phi; 45-135 in Theta

📍 Geant 4 Framework



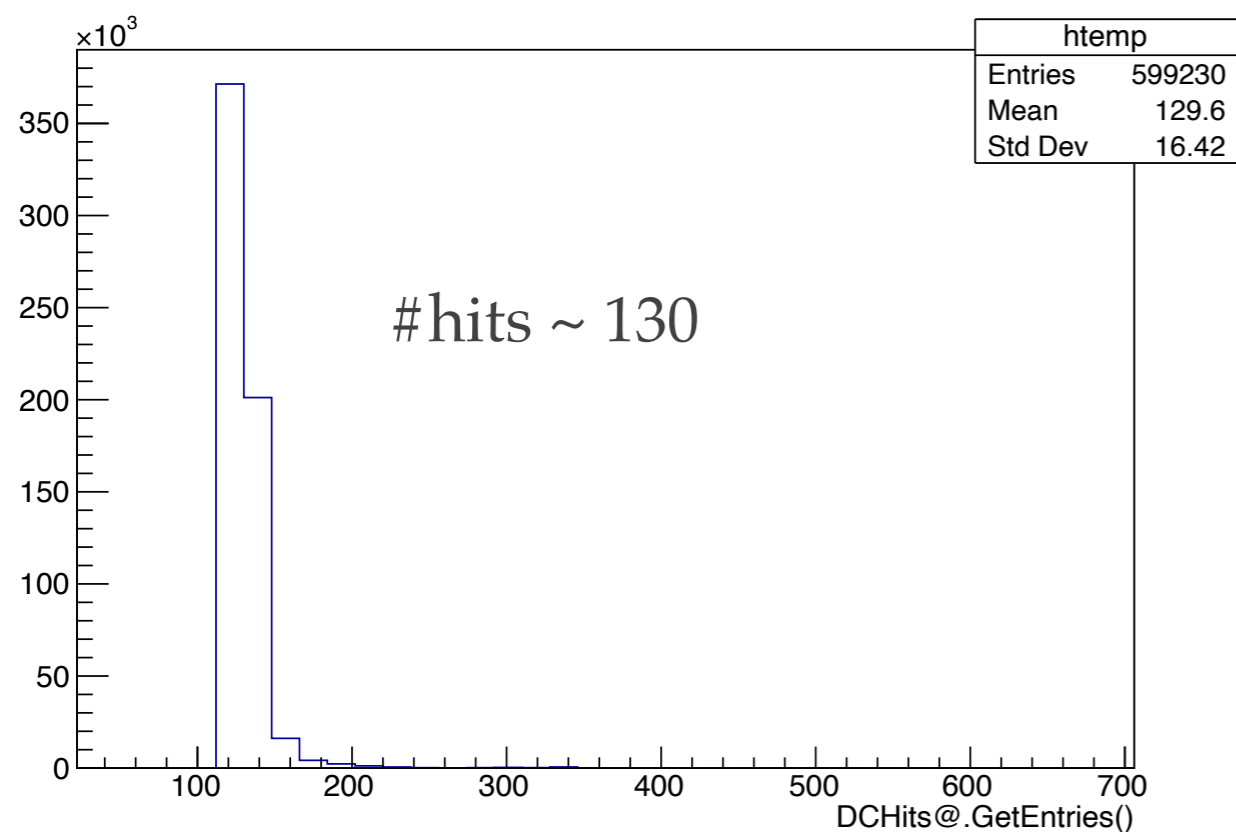
📍 Key4Hep Framework



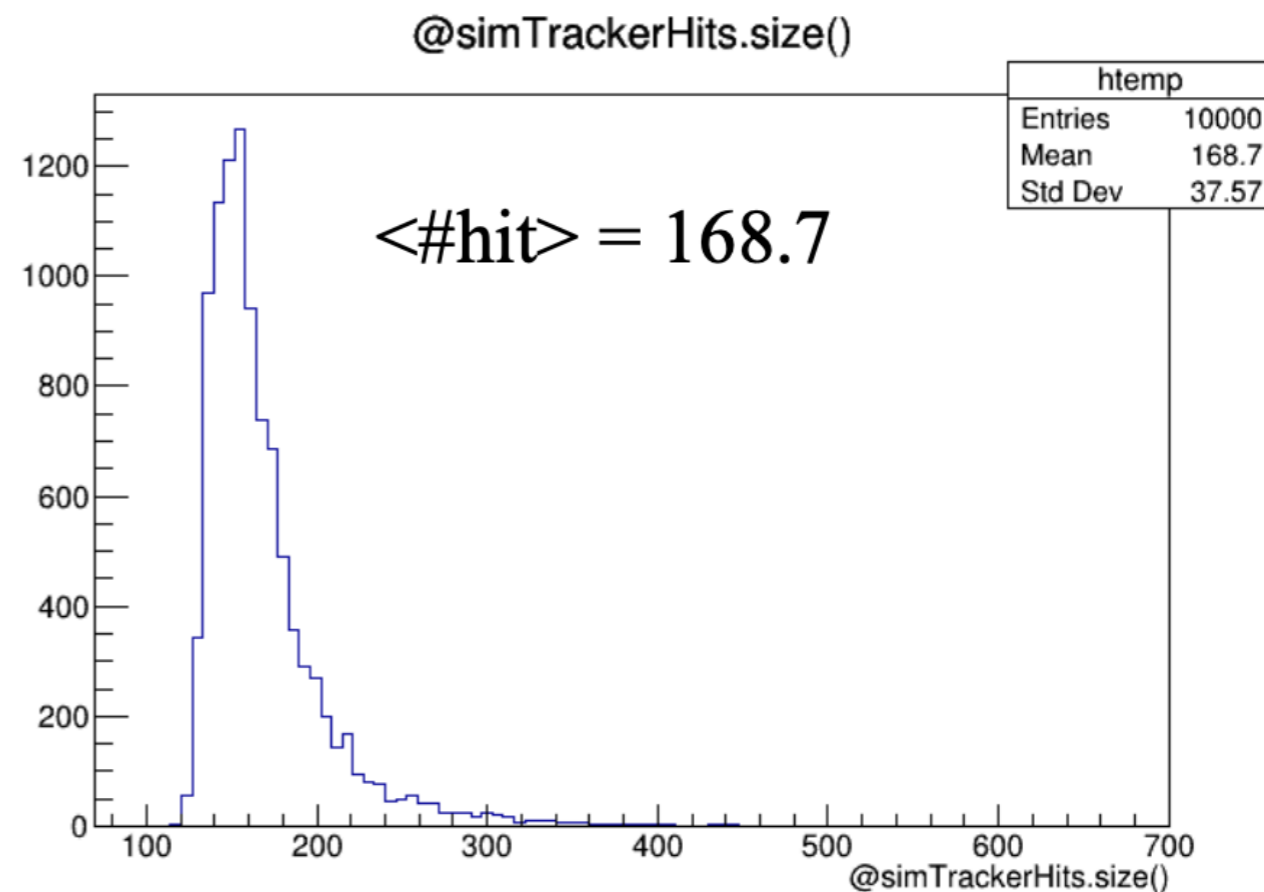
Geant4 vs Key4Hep framework

📍 Muons at 10 Gev, $0-2\pi$ in Phi; 45-135 in Theta

📍 Geant 4 Framework



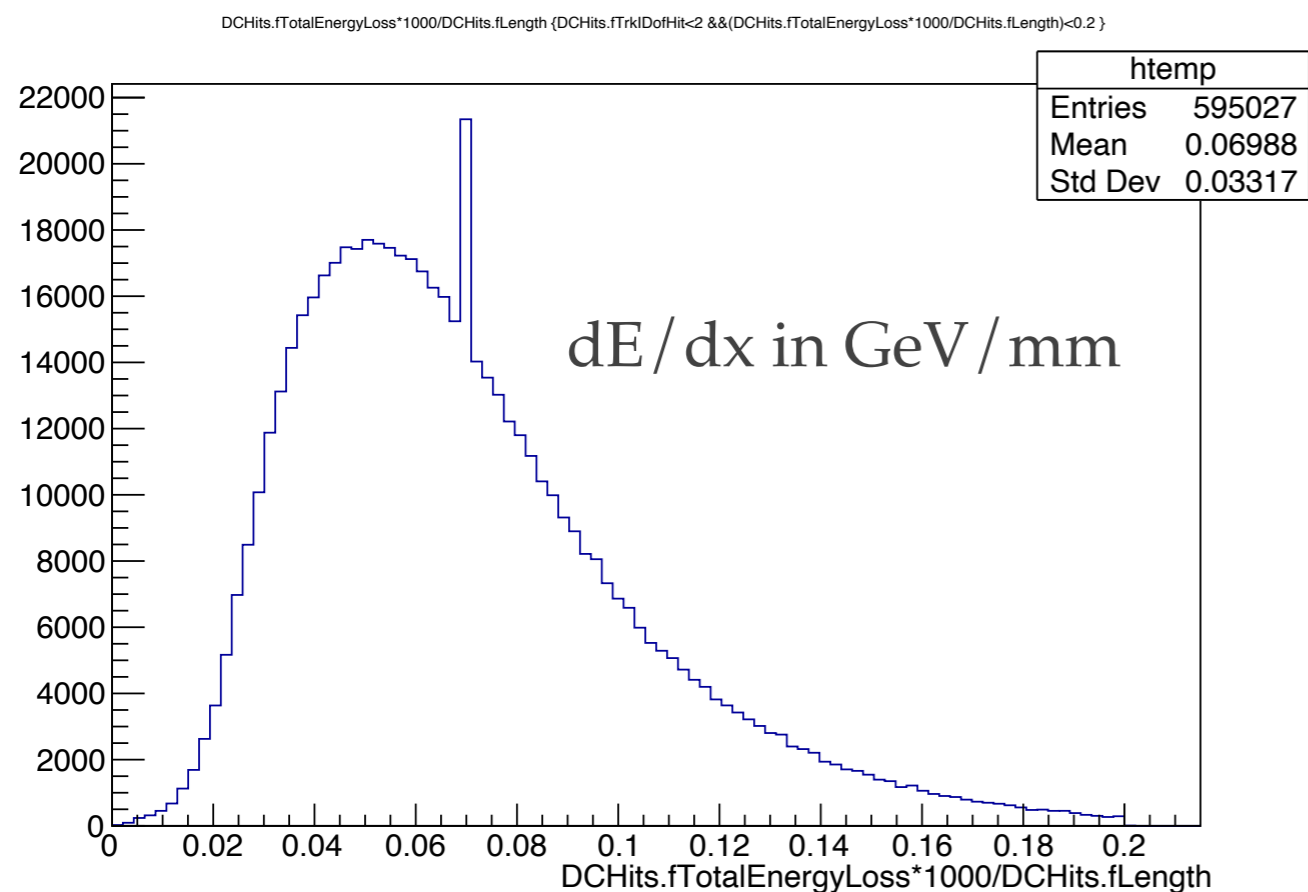
📍 Key4Hep Framework



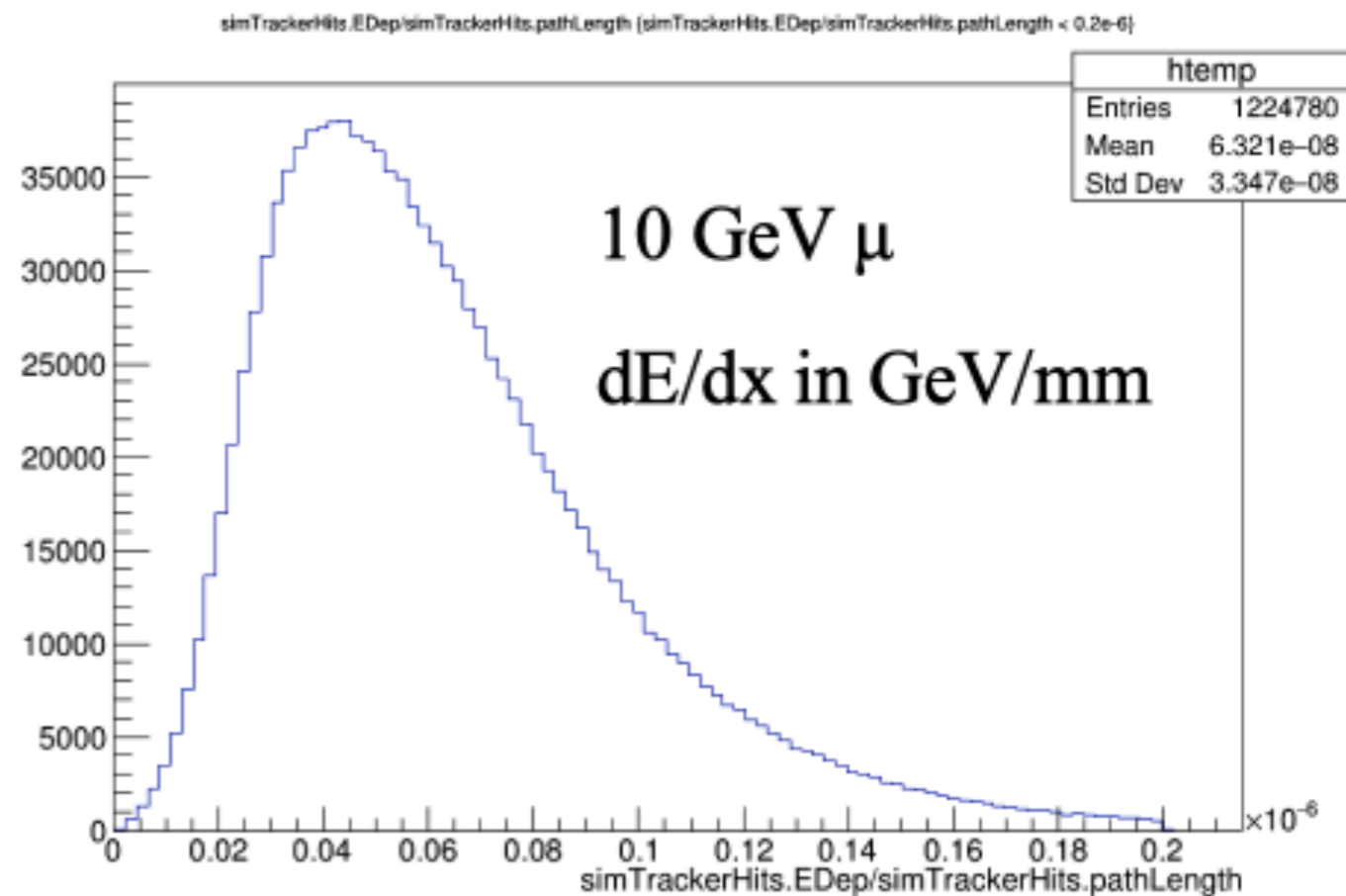
Geant4 vs Key4Hep framework

📍 Muons at 10 GeV, $0-2\pi$ in Phi; 45-135 in Theta

📍 Geant 4 Framework



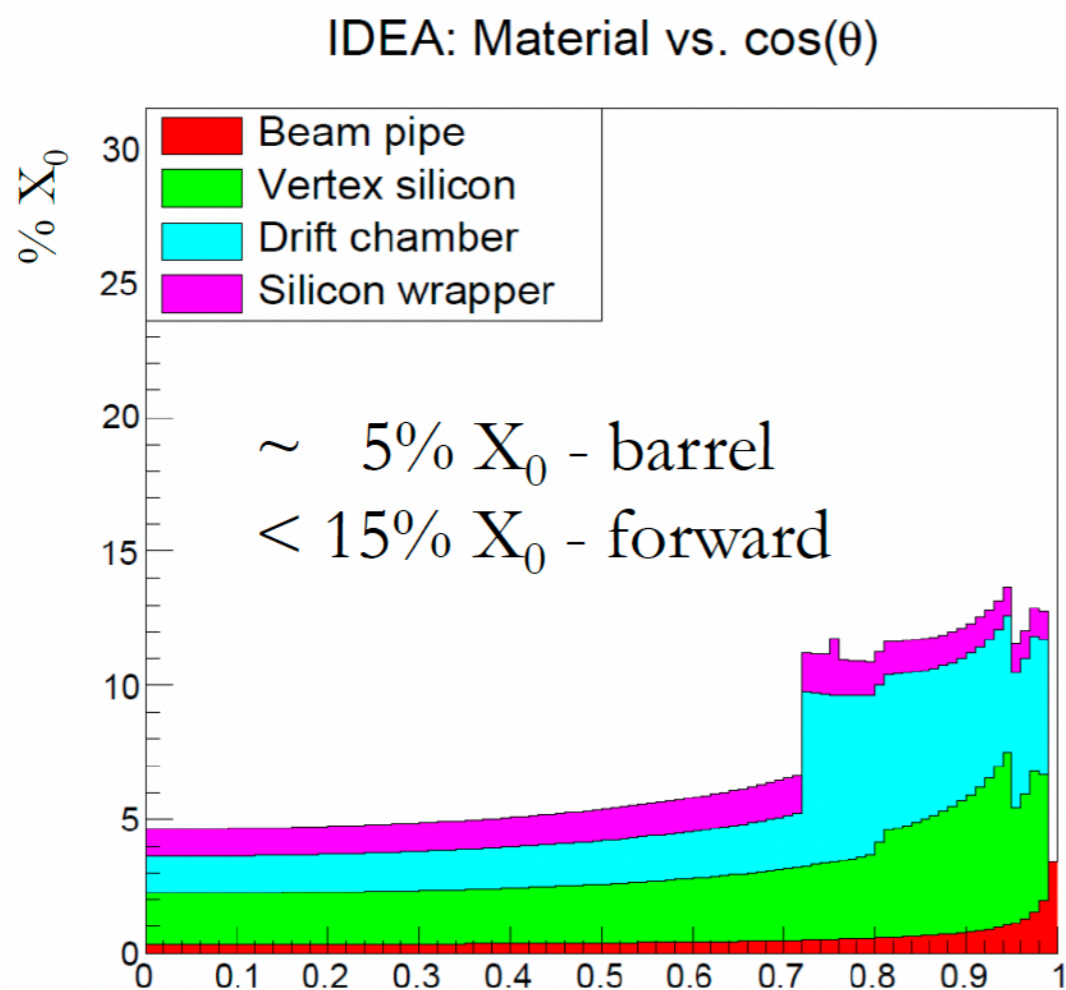
📍 Key4Hep Framework



Geant4 vs Key4Hep framework

• Muons at 10 GeV, $0-2\pi$ in Phi; 45-135 in Theta

• Geant 4 Framework



• Key4Hep Framework

