SimpleCalo

COMPARISON OF GEANT4 AND GFLASH

DETECTOR MATERIAL: PBWO4

absThickness = 6mm

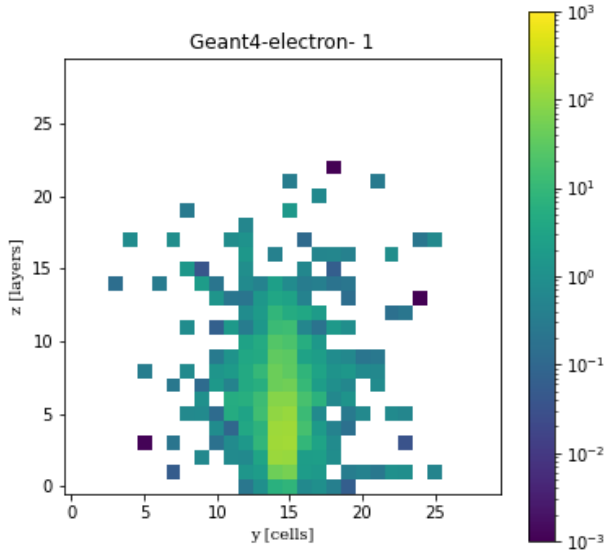
sensThickness = 0.12mm

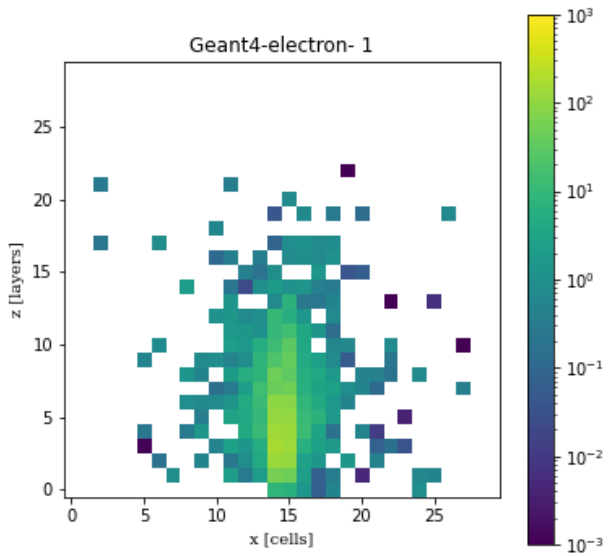
2000 showers, 100 GeV

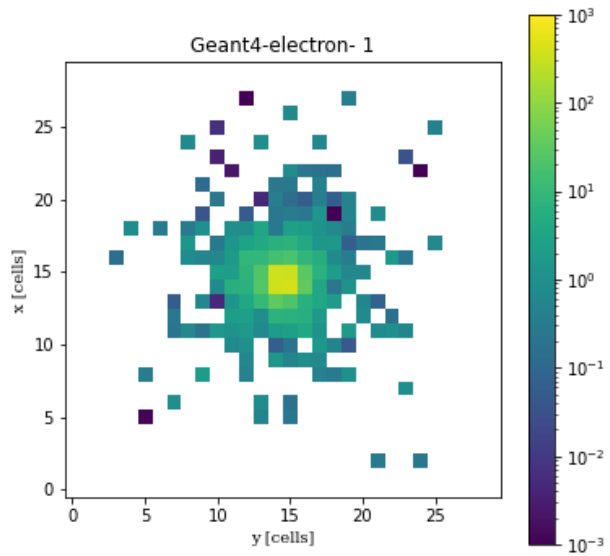
Shower Plots (30x30x30)

1 shower
100 GeV

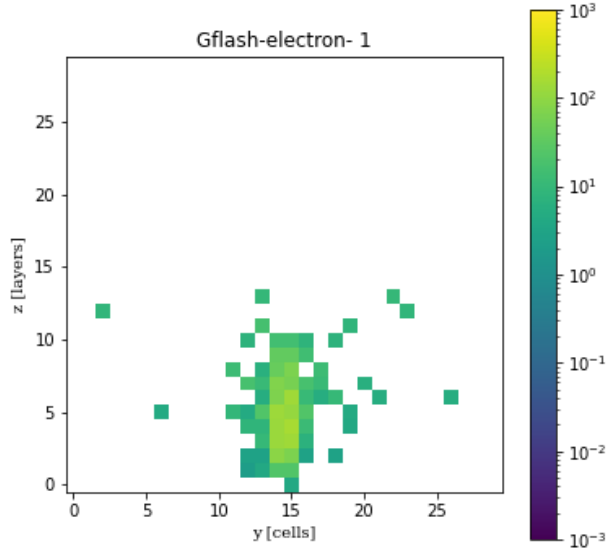
Geant4

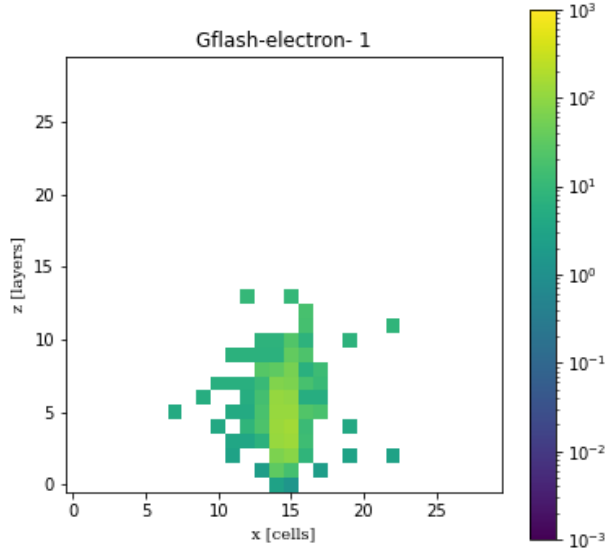


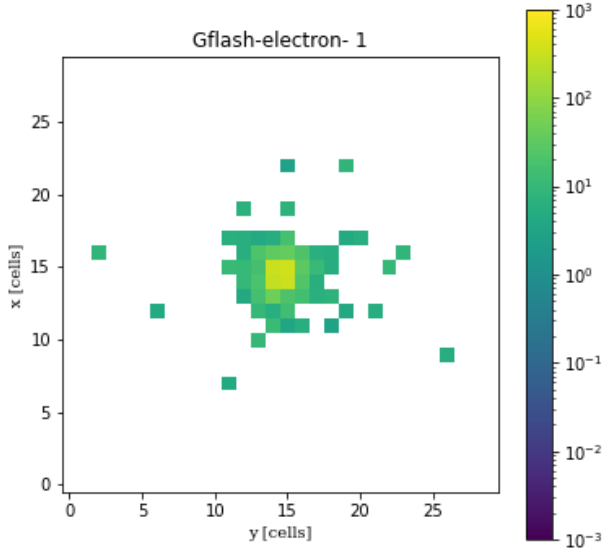




Gflash



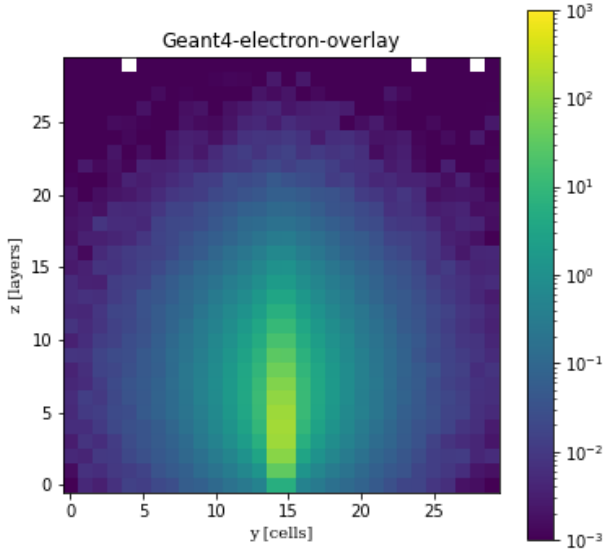


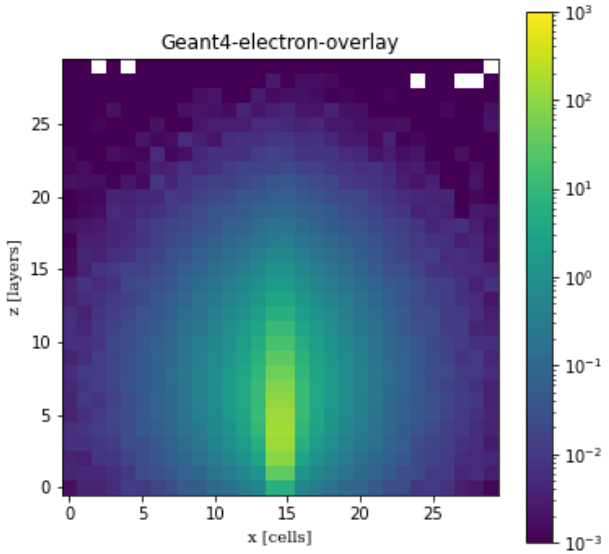


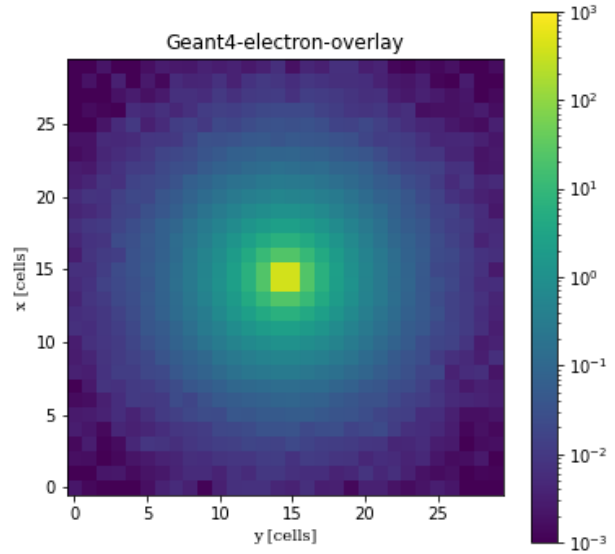
Shower Plots – Overlay (30x30x30)

2000 shower
100 GeV

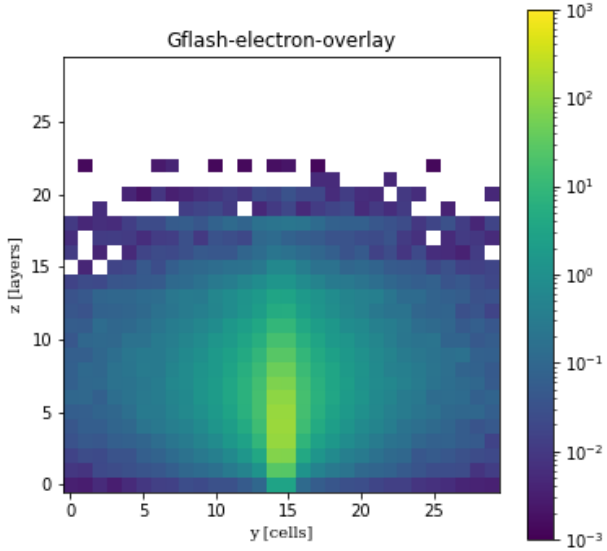
Geant4

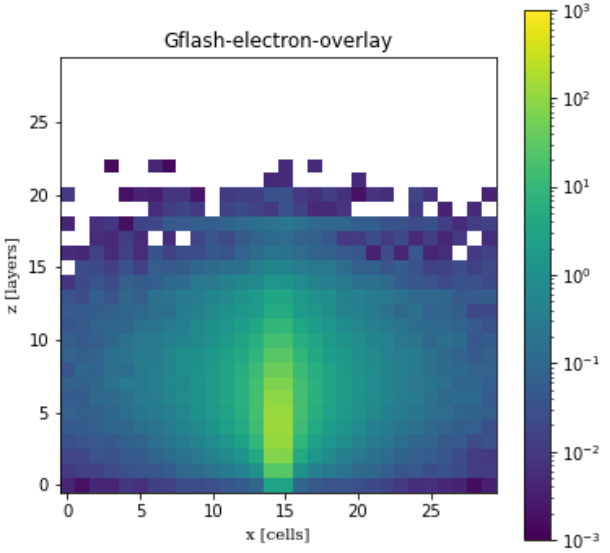


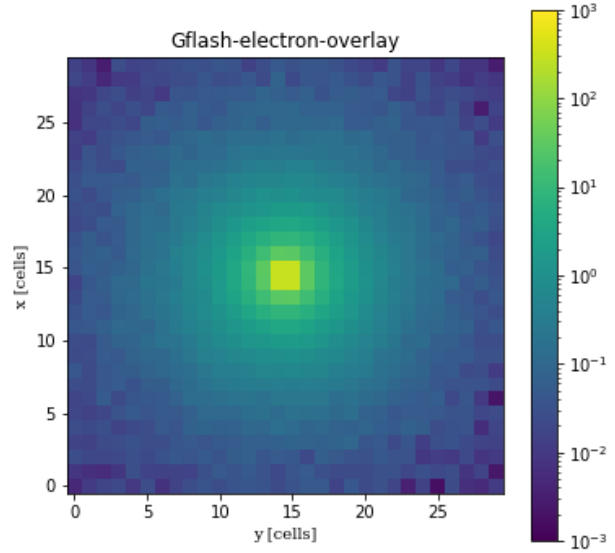




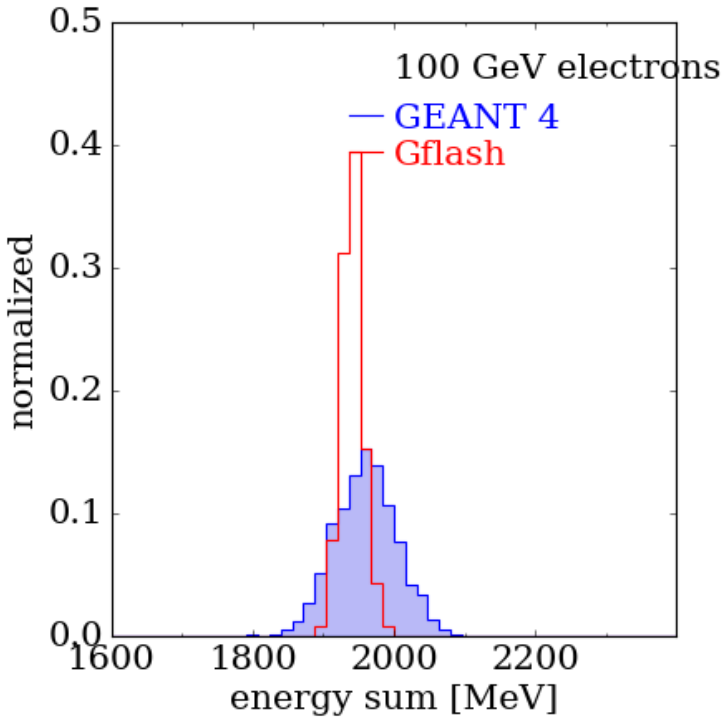
Gflash



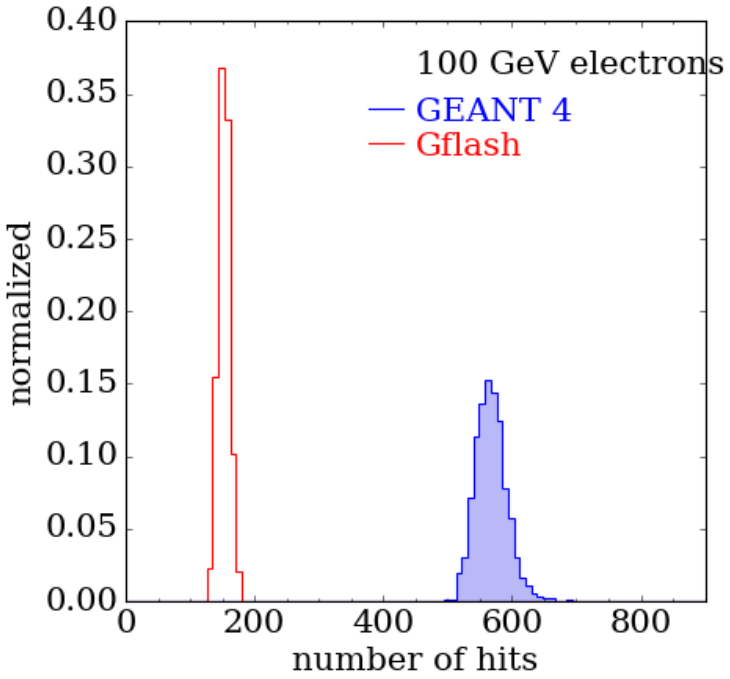




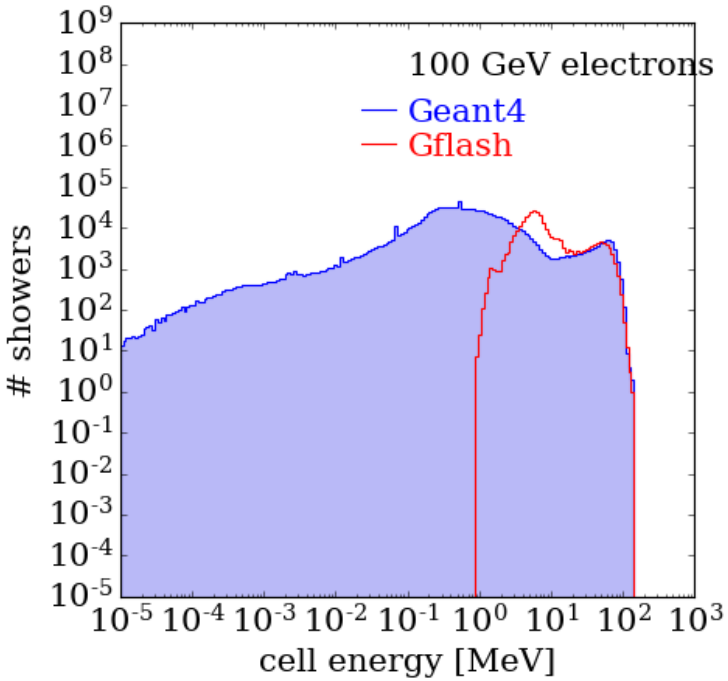
Total Energy



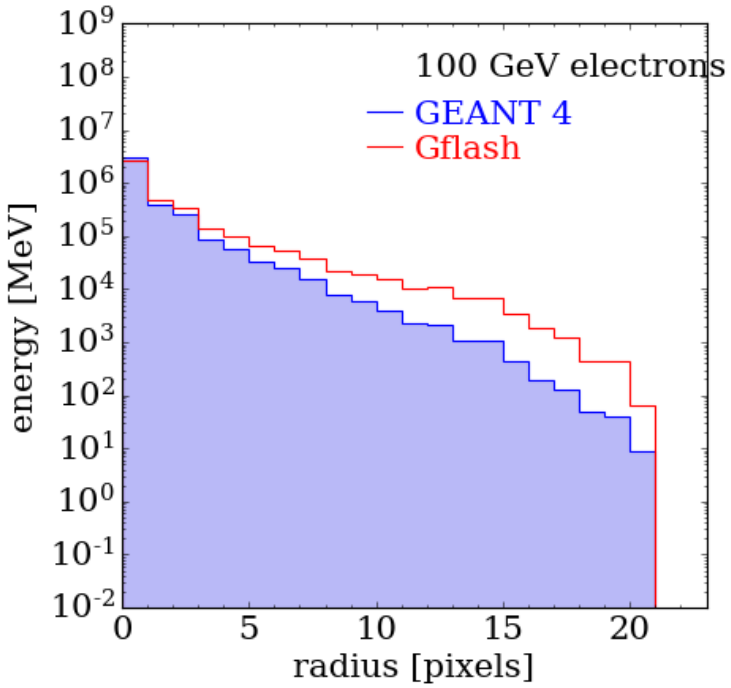
Occupancy



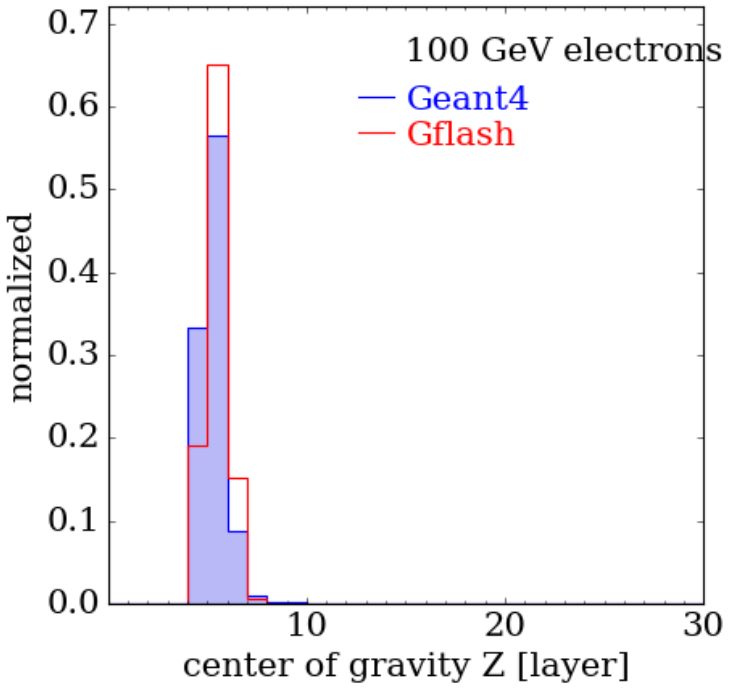
Cell Energy



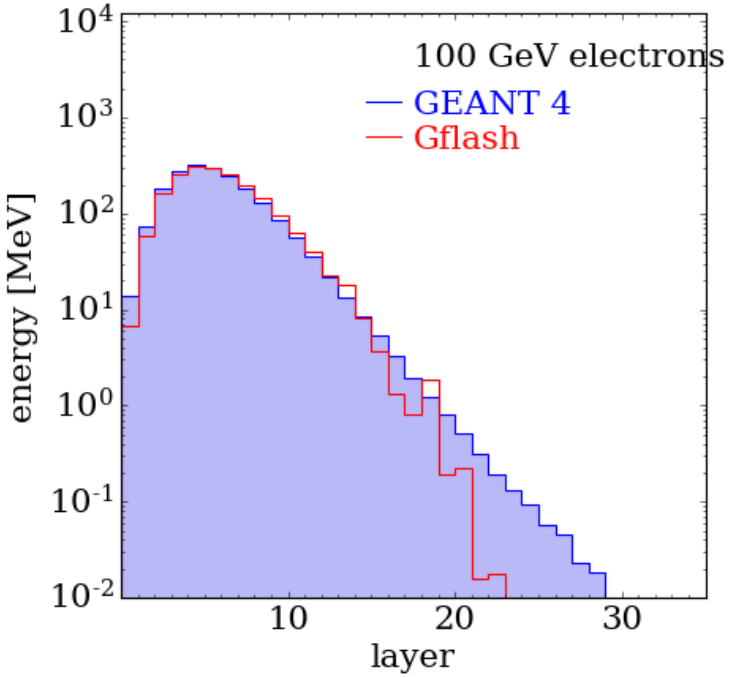
Radial Energy



Center of Gravity



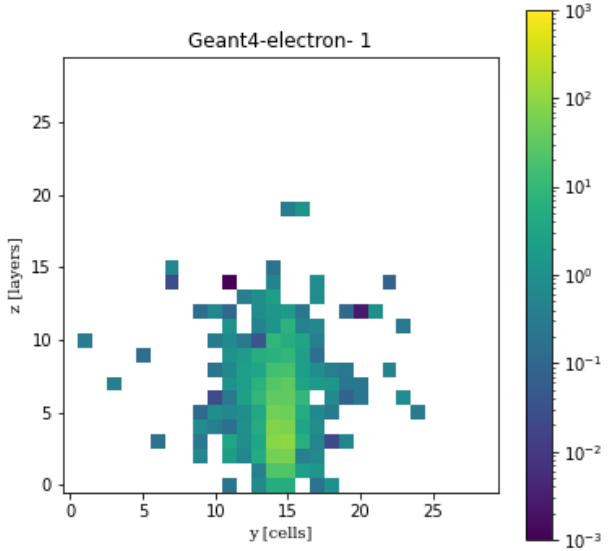
Longitudinal Energy

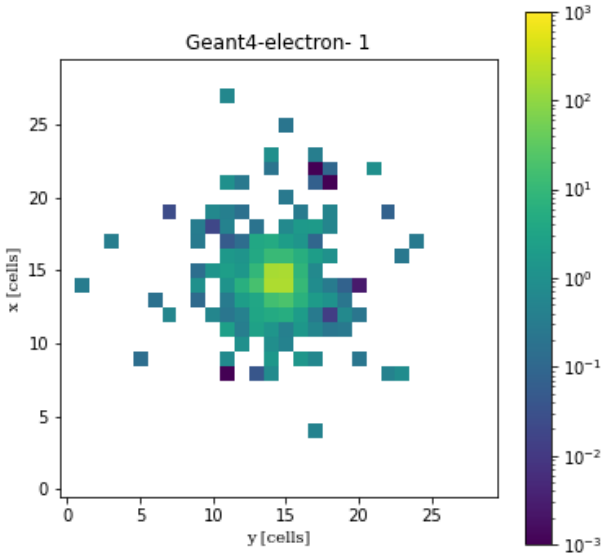


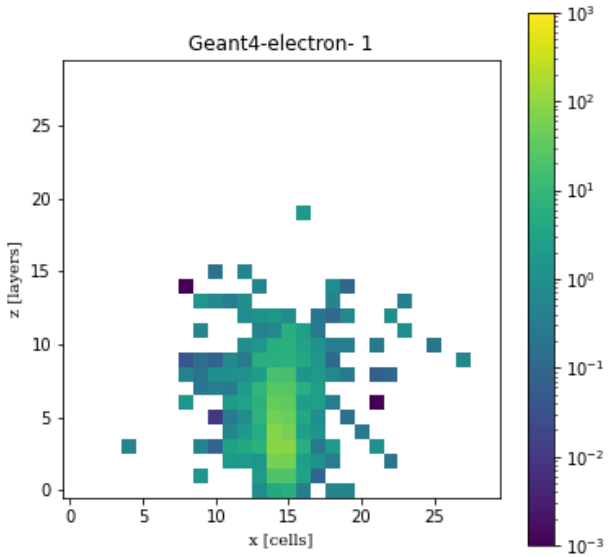
Shower Plots (30x30x30)

1 shower
50 GeV

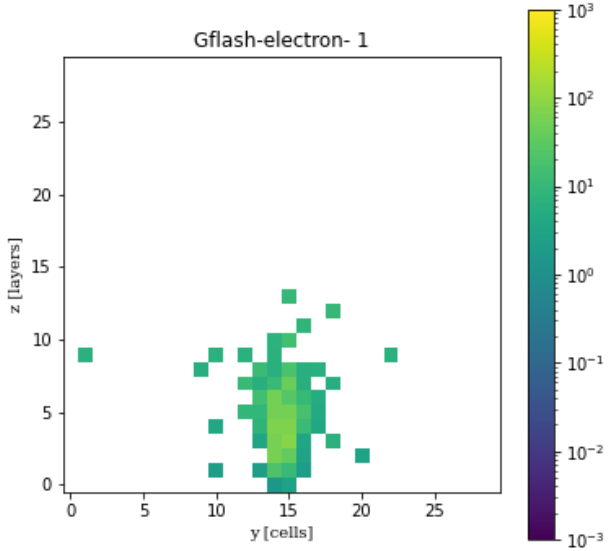
Geant4

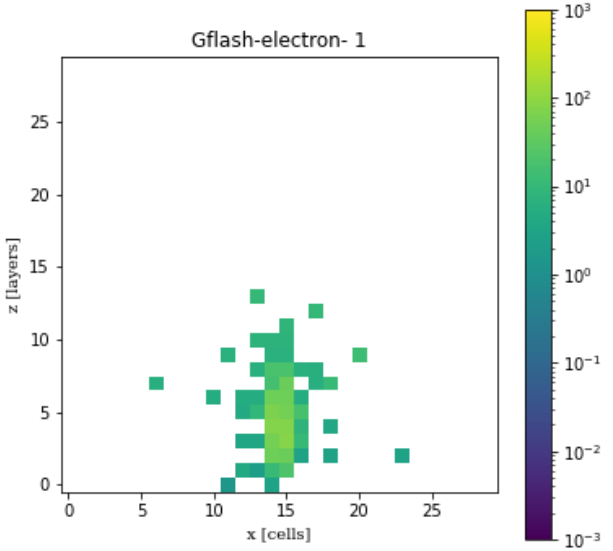


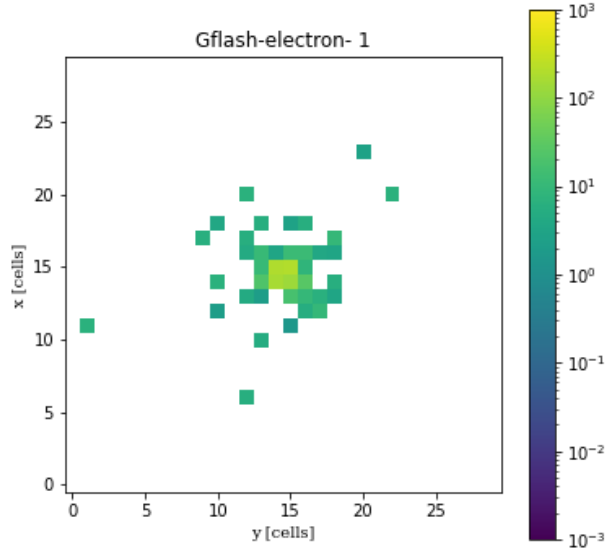




Gflash



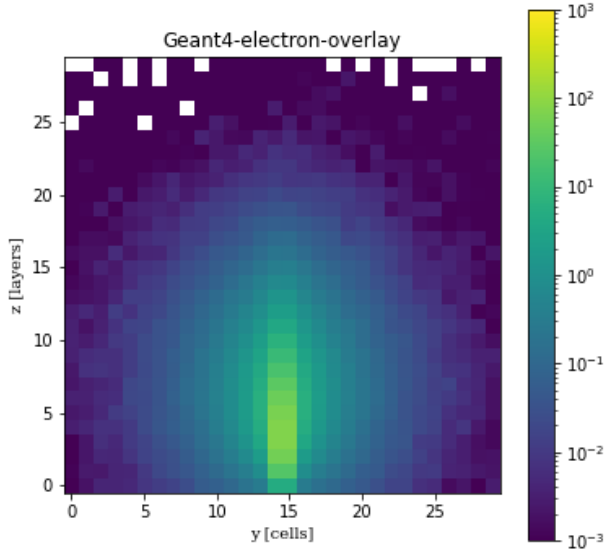


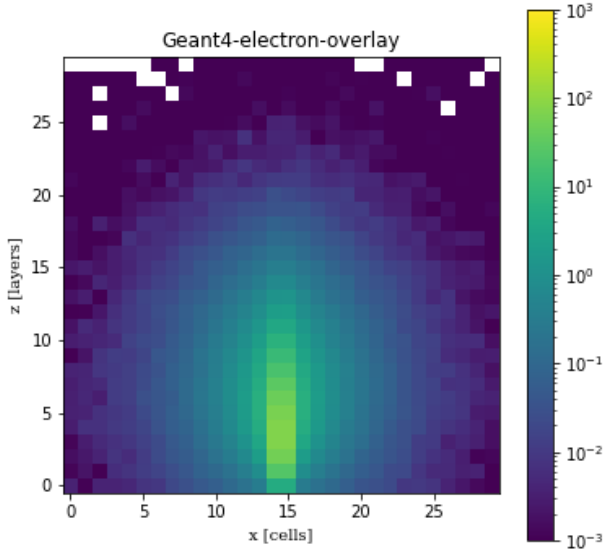


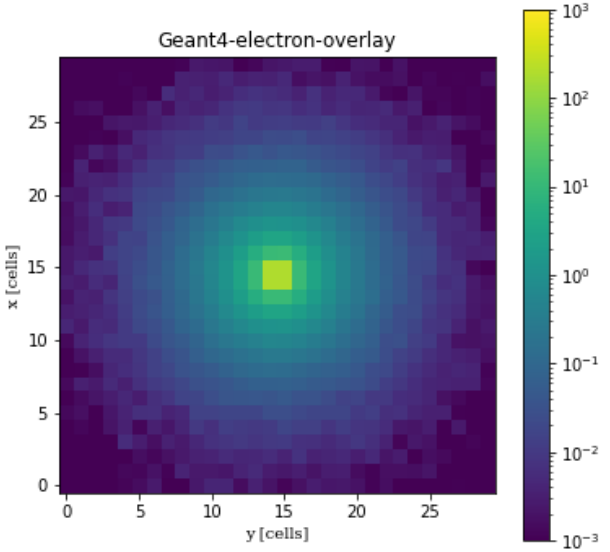
Shower Plots – Overlay (30x30x30)

2000 shower
50 GeV

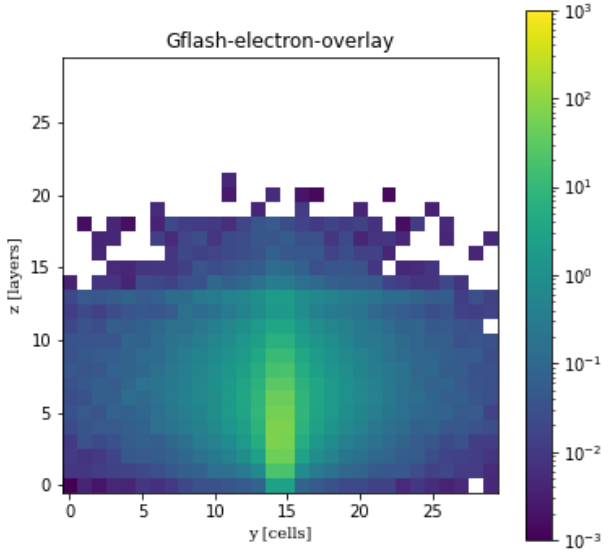
Geant4

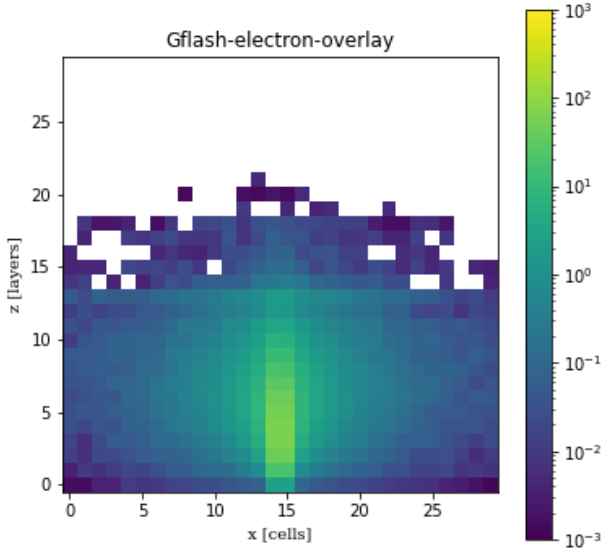


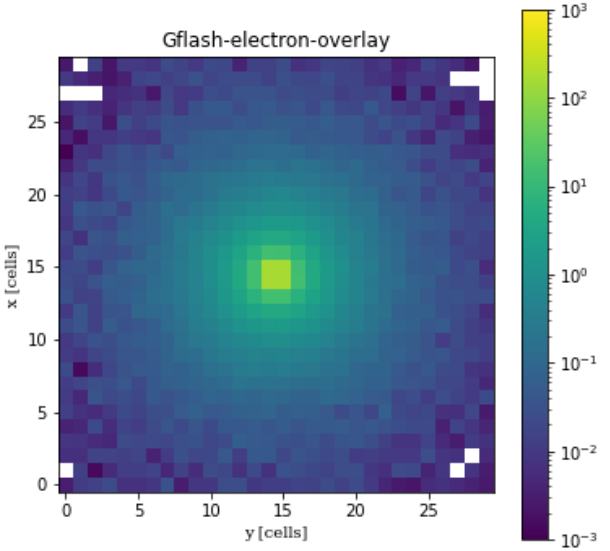




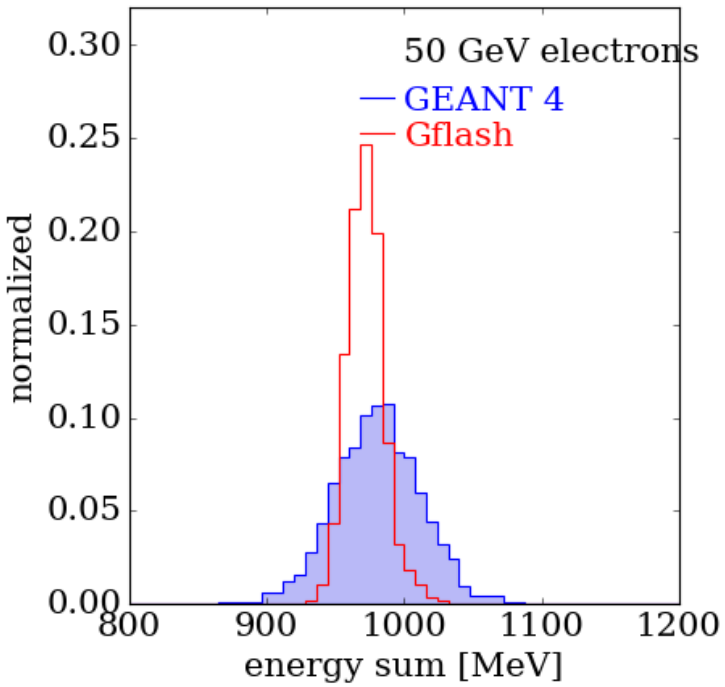
Gflash



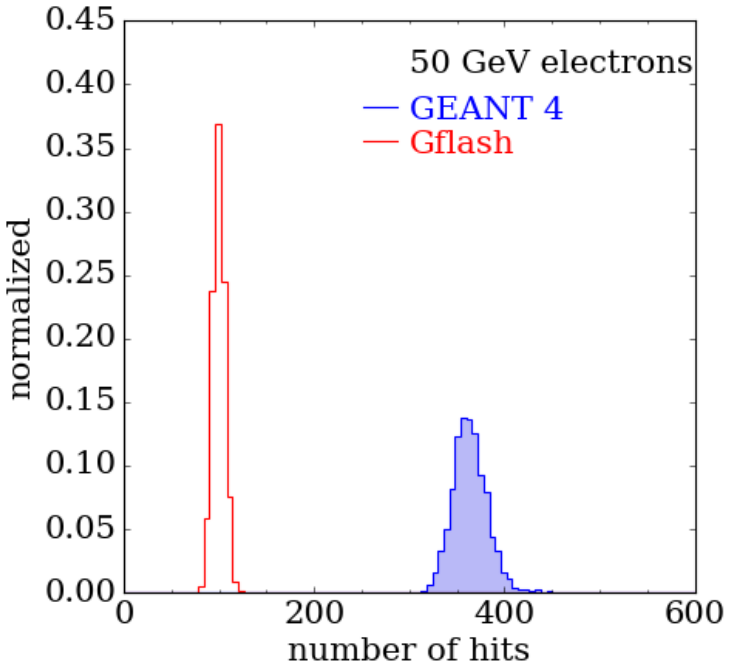




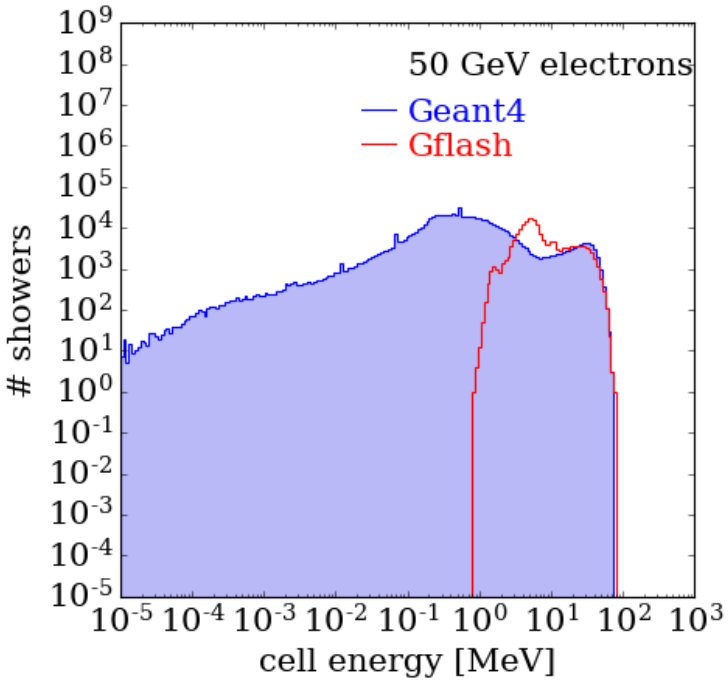
Radial Energy



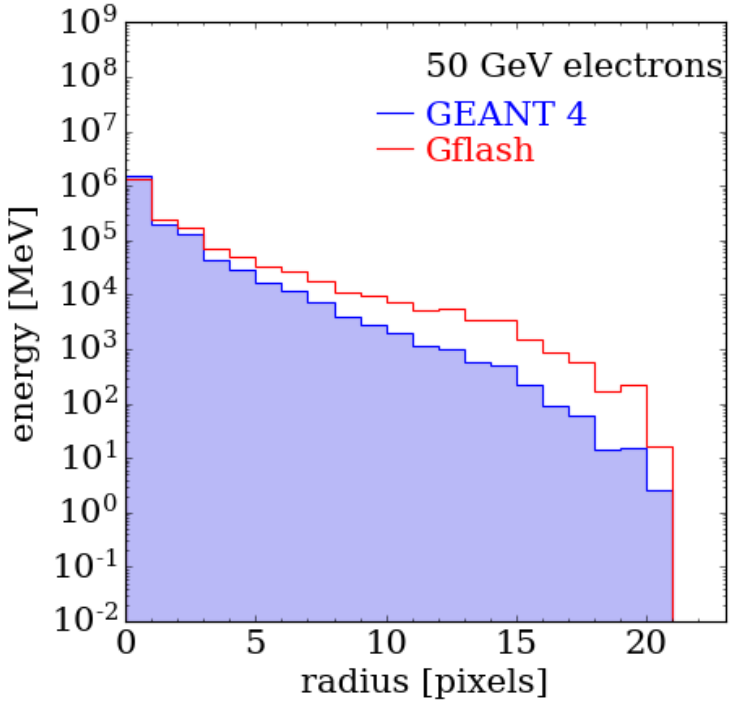
Center of Gravity



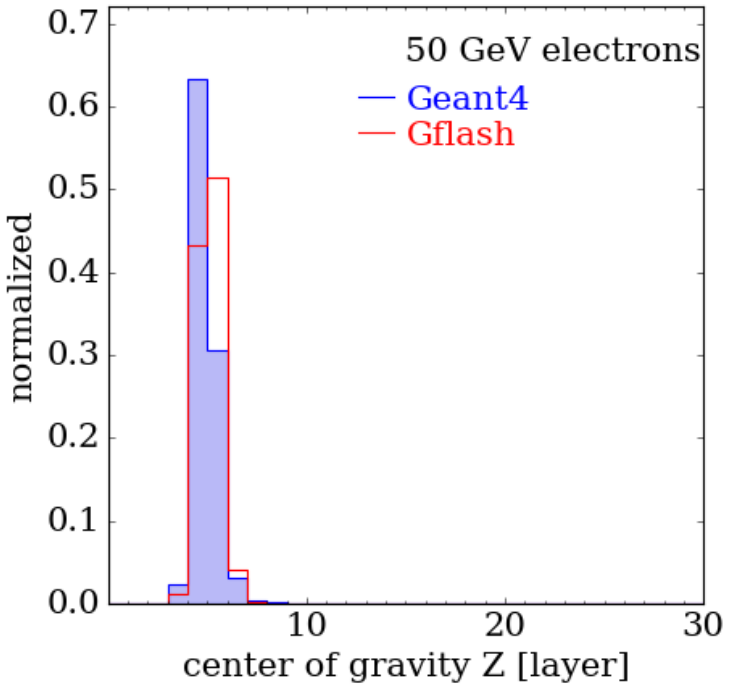
Longitudinal Energy



Radial Energy



Center of Gravity



Longitudinal Energy