

Estimates of ECAL background

Lakhno Hlib

Deposited energy in ECAL

Input data:

background(total ~ 138 BX):

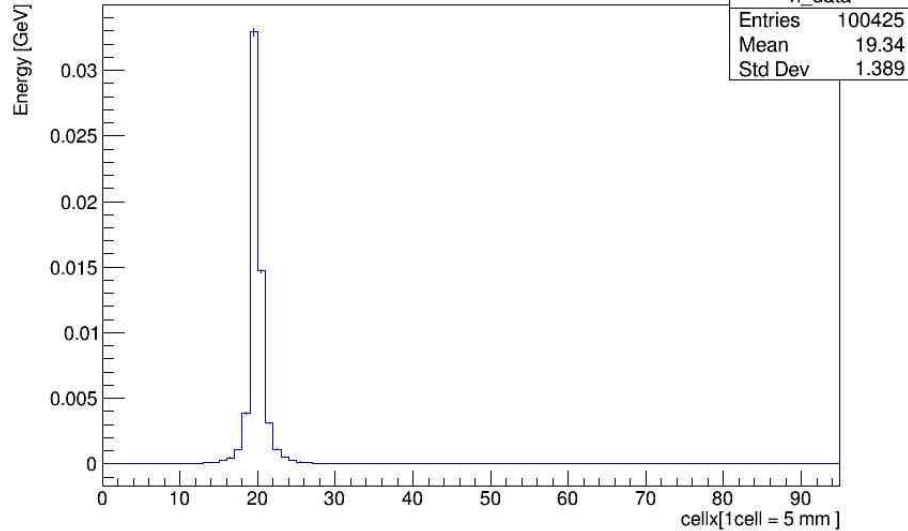
- /nfs/dust/luxe/group/MCProduction/Background/elaser/07012021_9f6b6590_fast_sim/sim_0/

Single positron (~1000 event each file):

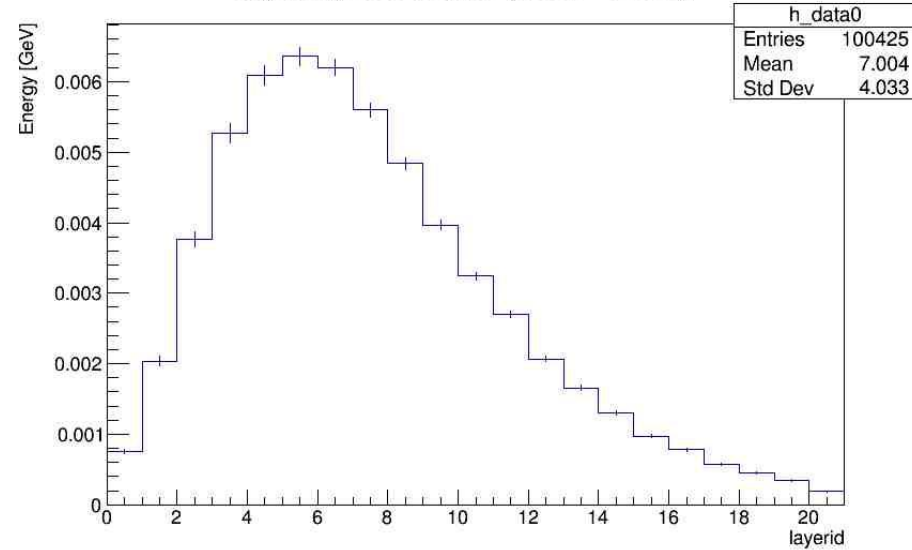
- /nfs/dust/luxe/group/MCProduction/SinglePositron/electron_laser/

Single positron signal

cellx {edep*weight*(detid==2000)}

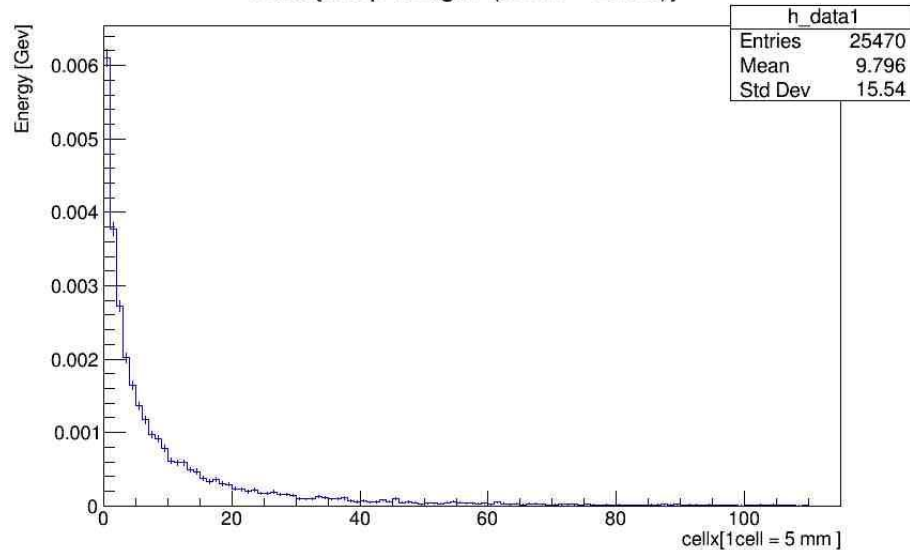


layerid {edep*weight*(detid==2000)}

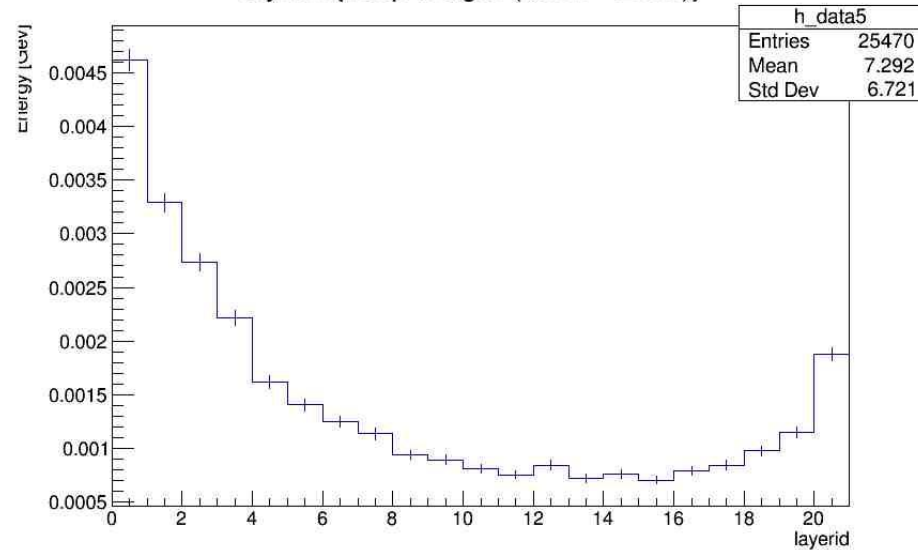


Background signal

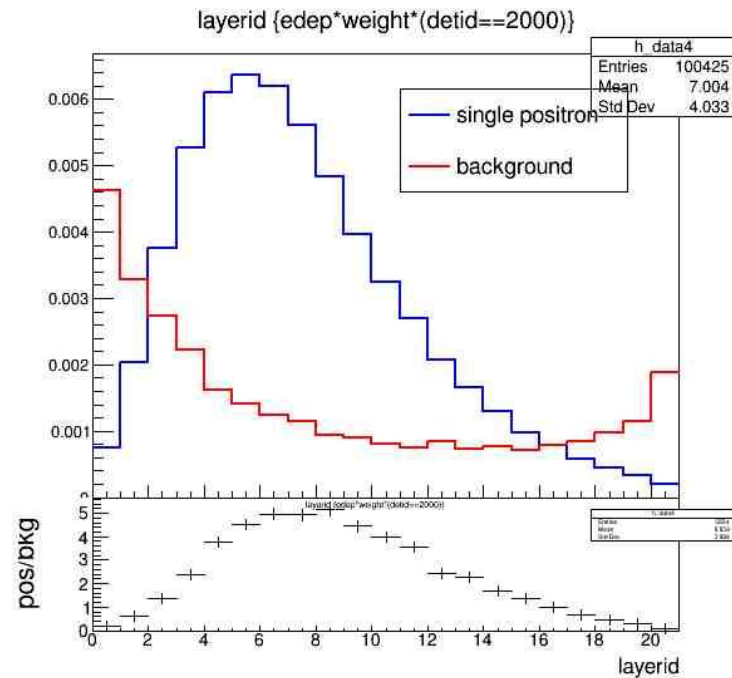
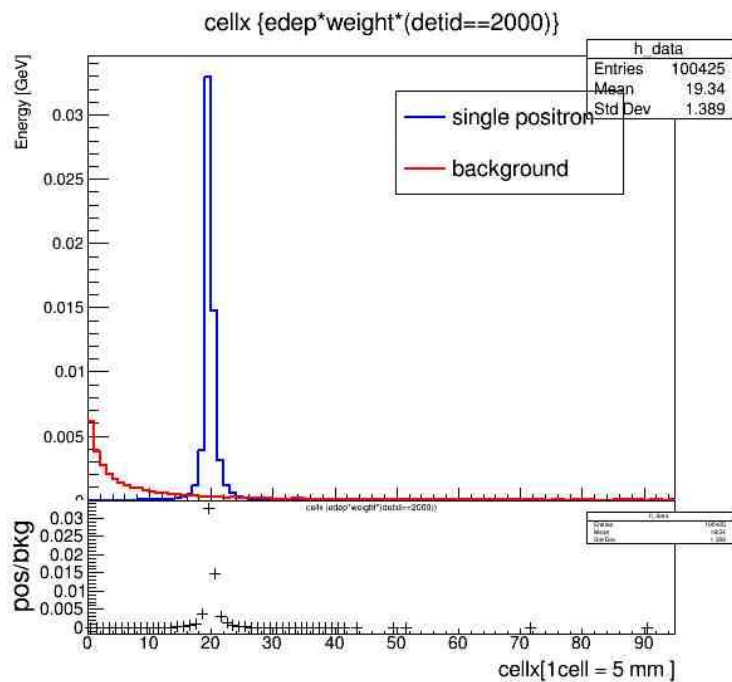
cellx {edep*weight*(detid==2000)}



layerid {edep*weight*(detid==2000)}



Ratio



Energy distribution in ECAL

