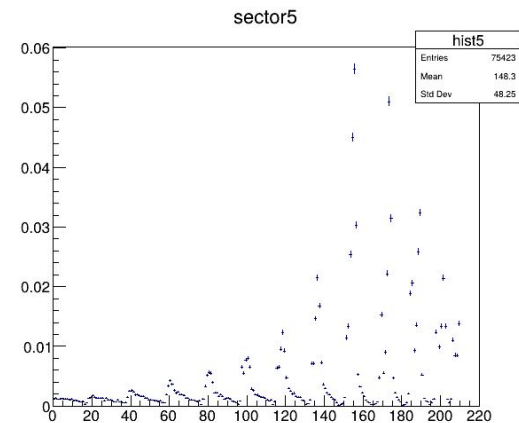
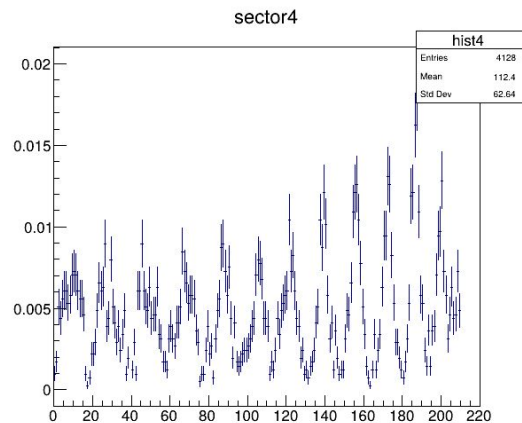
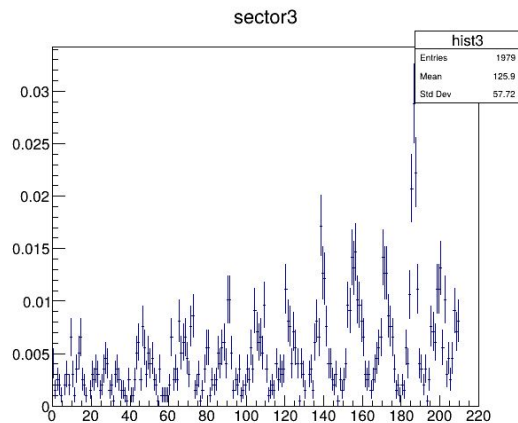
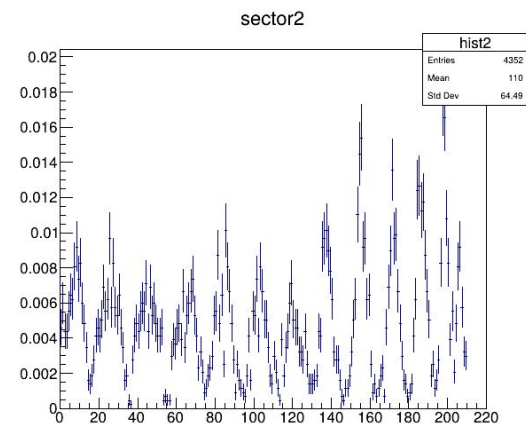
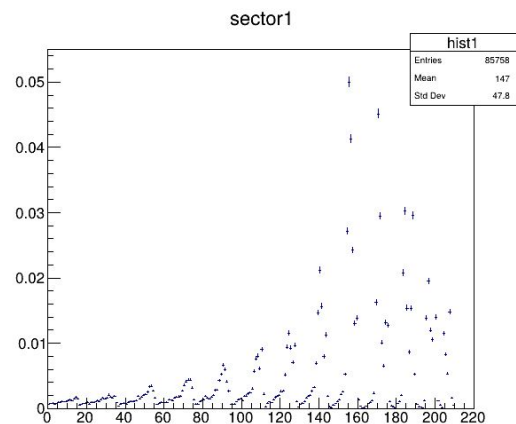
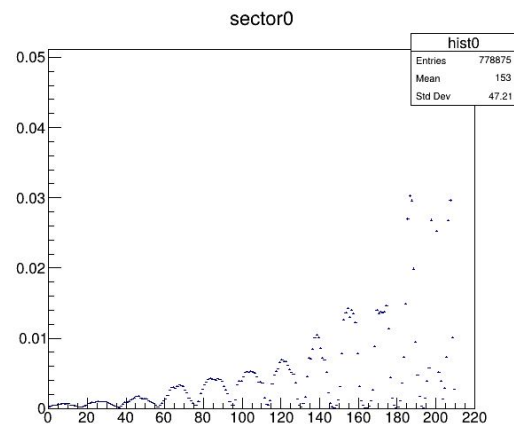


Occupancy plot to study the sector1 hit probability

Dataset parameter :

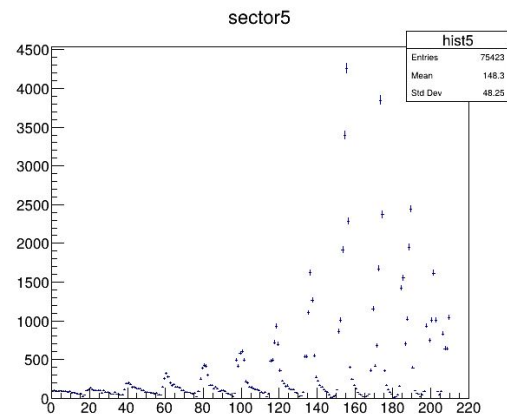
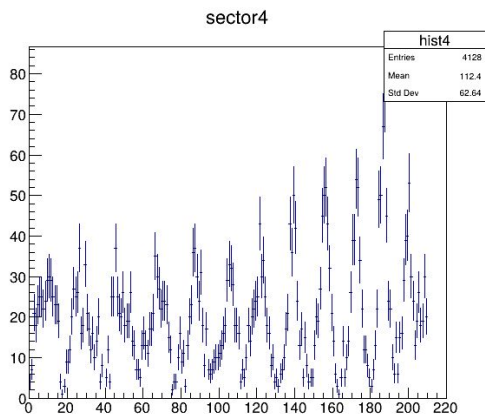
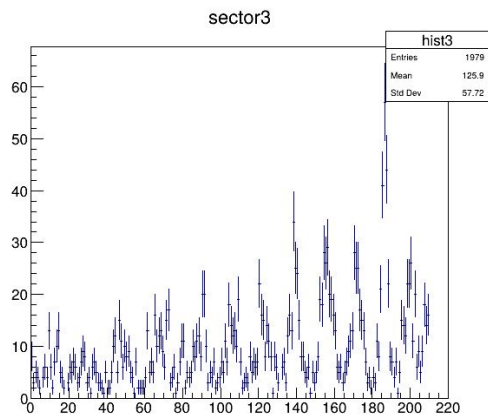
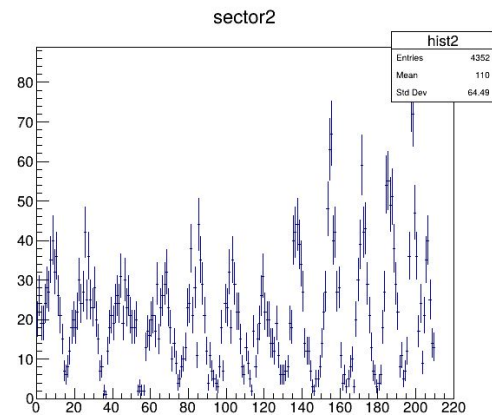
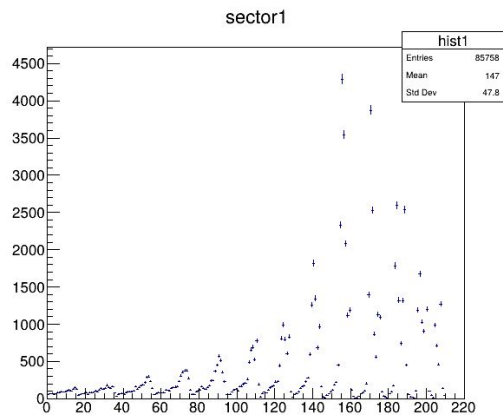
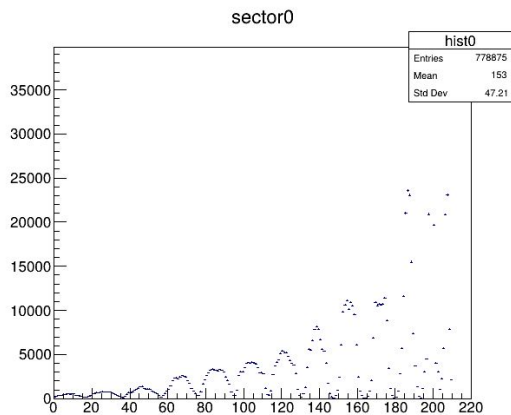
- 50 GeV/c pion
- Eta : 1.5-3.5 (step size : 0.1, 20 files)
- Phi : (with step size : 4 degree, 15 files)
 - To focus on sector0 : 0 to 60
 - To focus on sector1 : 60 to 120
 - To focus on sector2 : 120 to 180
- Total number of files : $15 \times 20 = 300$ files
- Number of events in each file : 100

Hit Probability : Targeting sector0



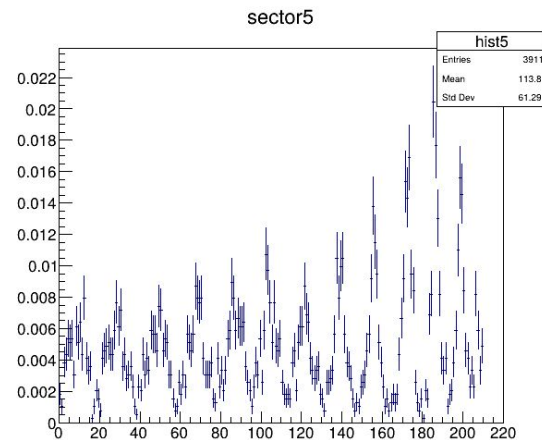
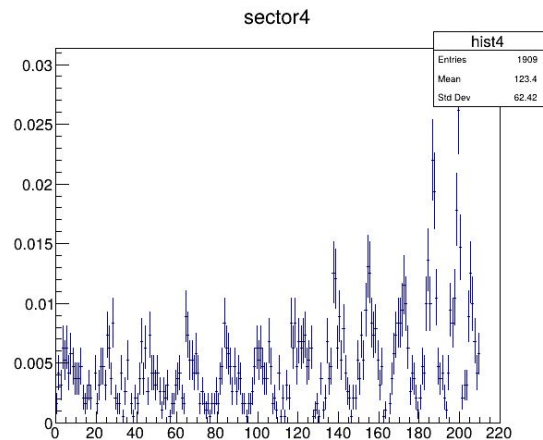
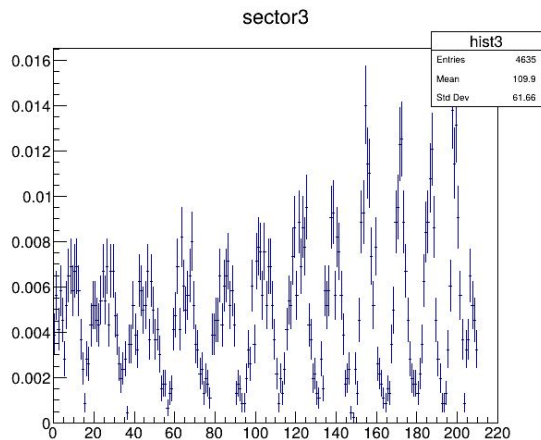
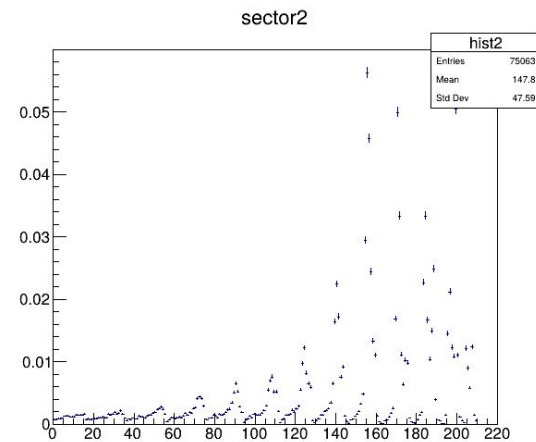
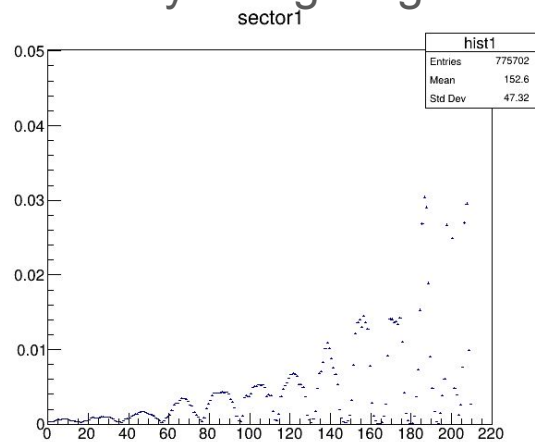
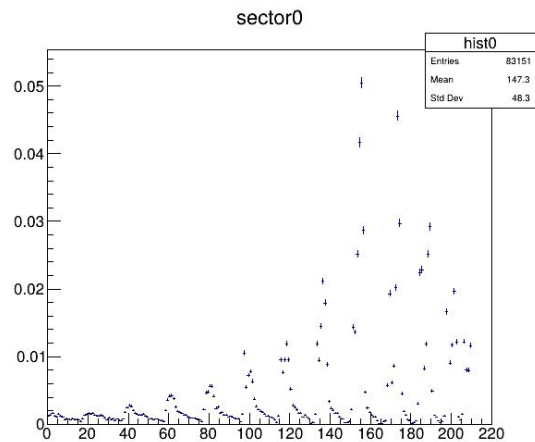
50 GeV pion, eta : 1.5-3.5, phi : 0 to 60

In terms of number of hits (sector0)



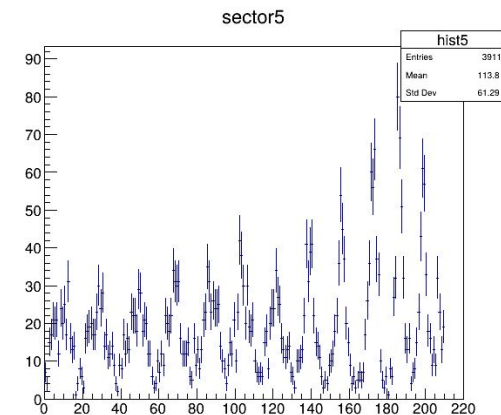
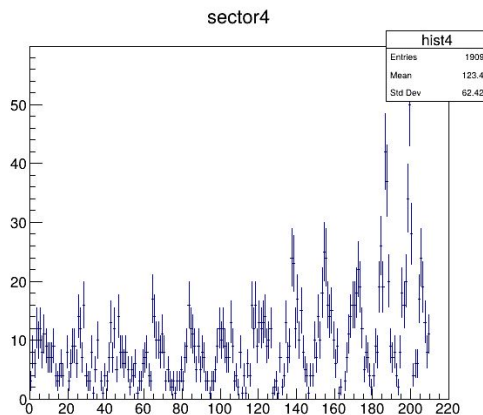
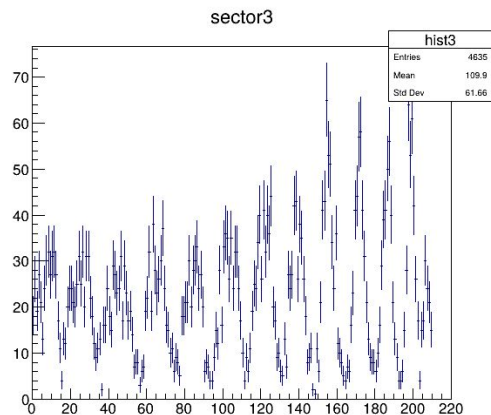
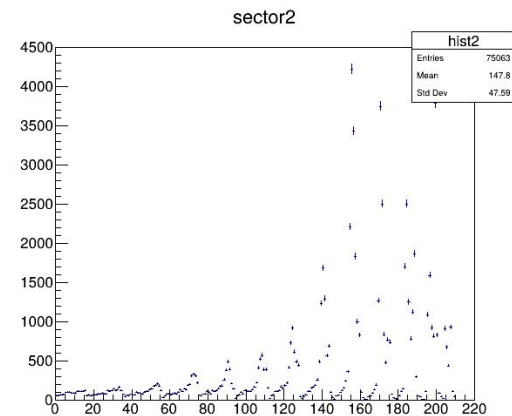
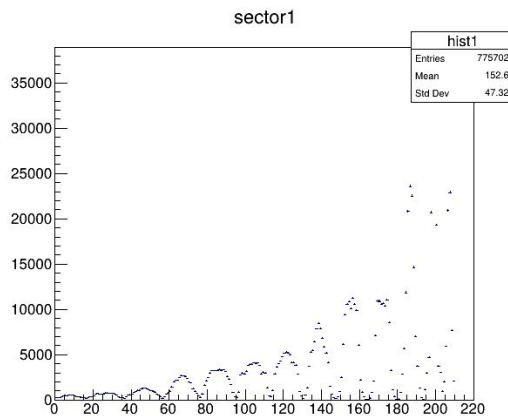
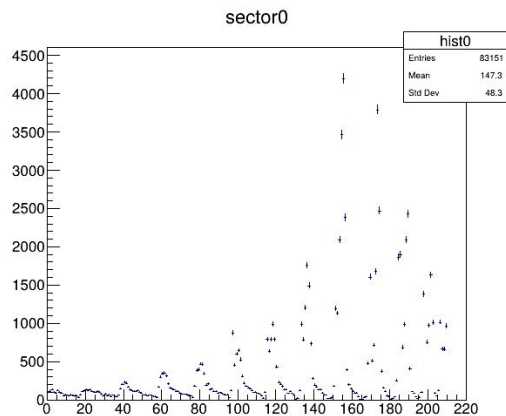
50 GeV pion, eta : 1.5-3.5, phi : 0 to 60

Hit Probability : Targeting sector1



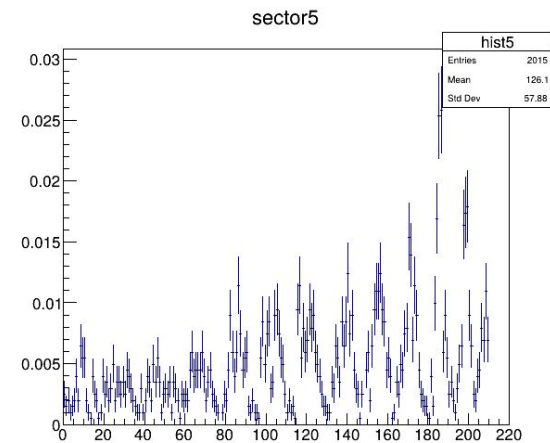
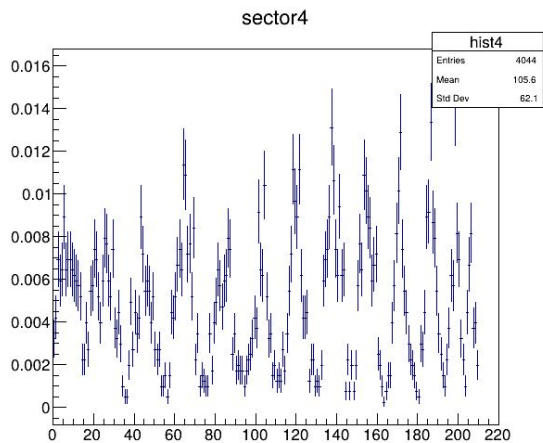
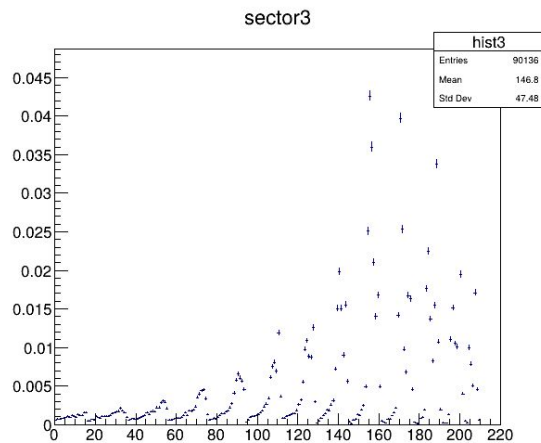
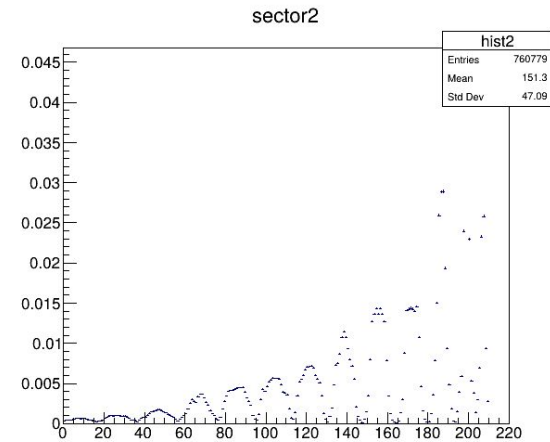
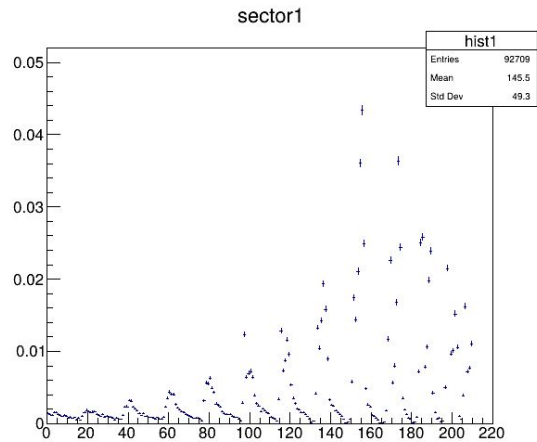
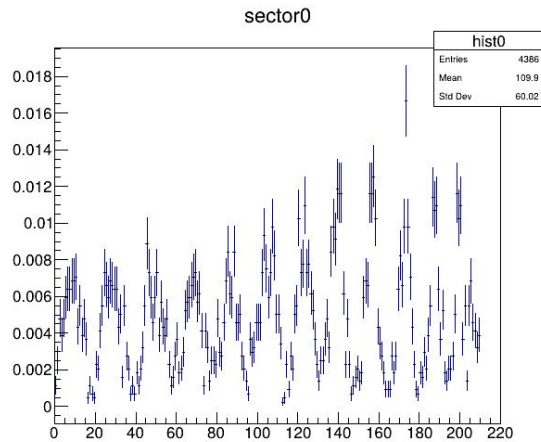
50 GeV pion, eta : 1.5-3.5, phi : 60 to 120

In terms of number of hits (sector1)



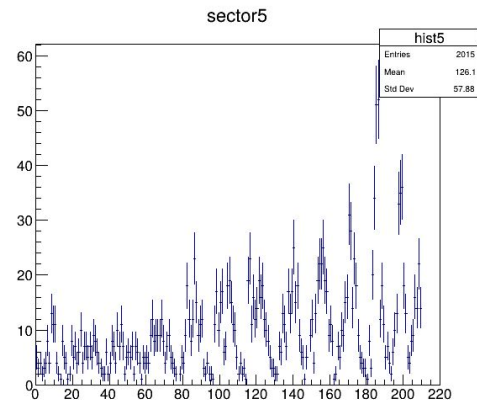
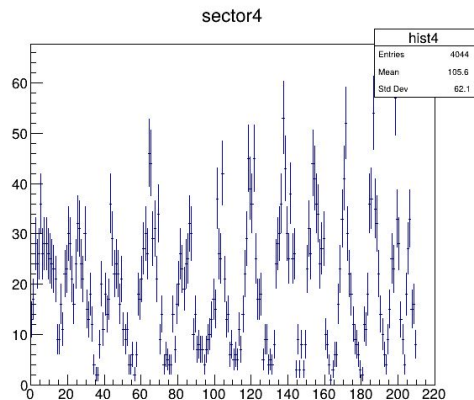
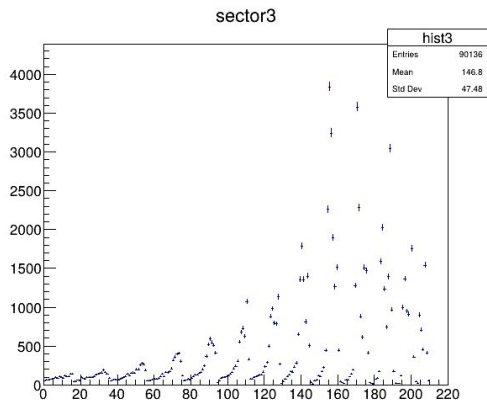
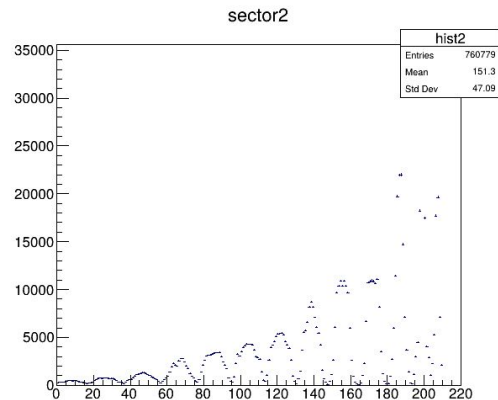
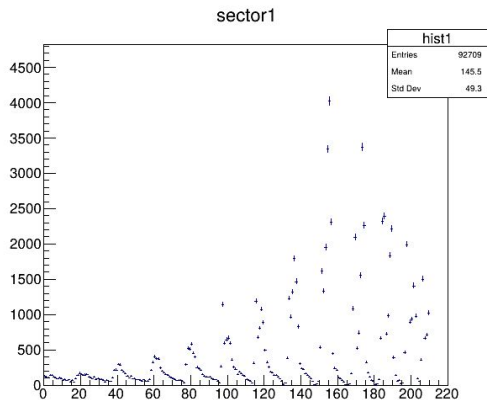
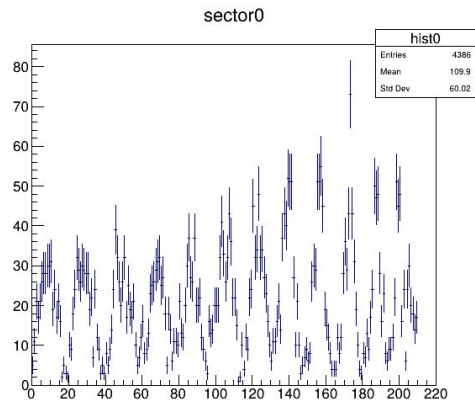
50 GeV pion, eta : 1.5-3.5, phi : 60 to 120

Hit Probability : Targeting sector2



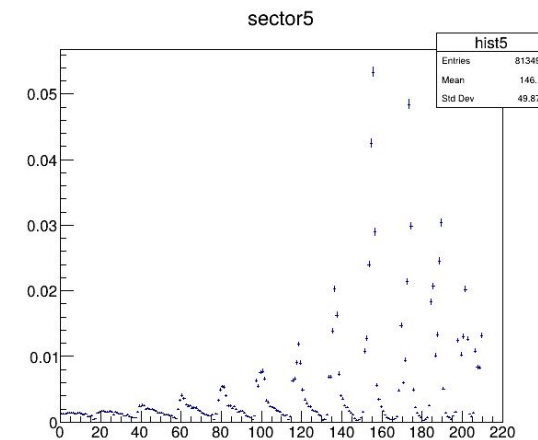
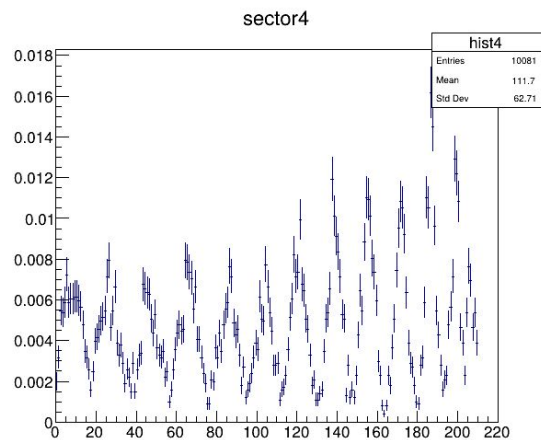
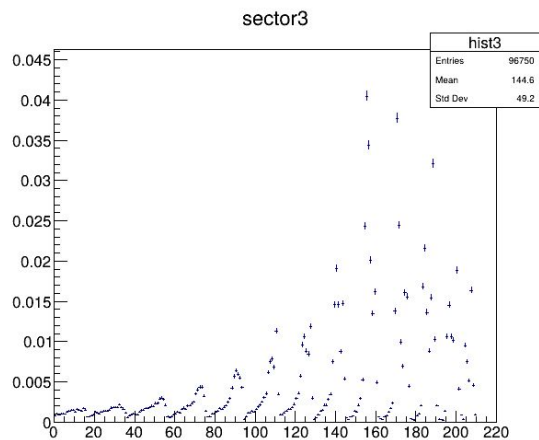
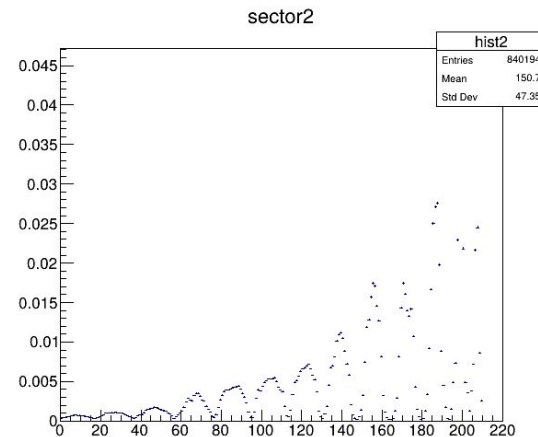
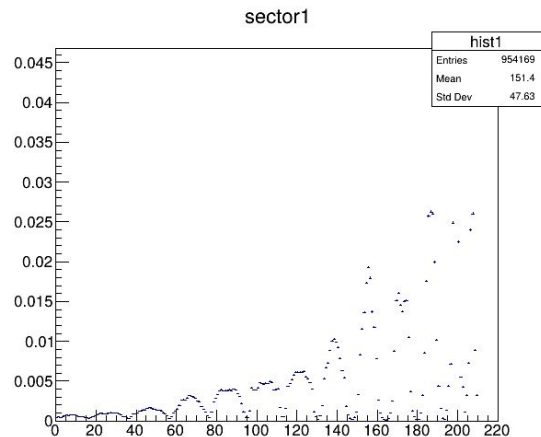
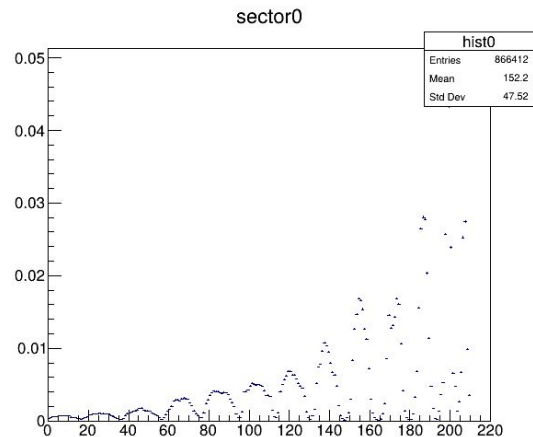
50 GeV pion, eta : 1.5-3.5, phi : 120 to 180

In terms of number of hits (sector2)



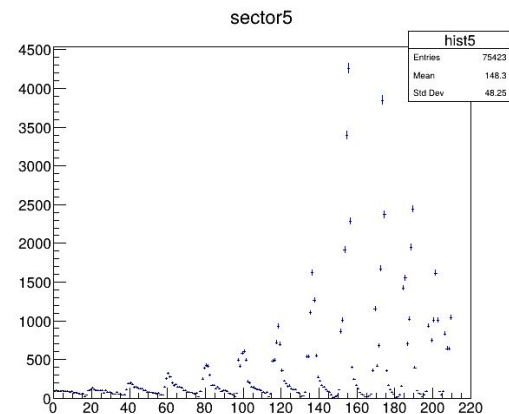
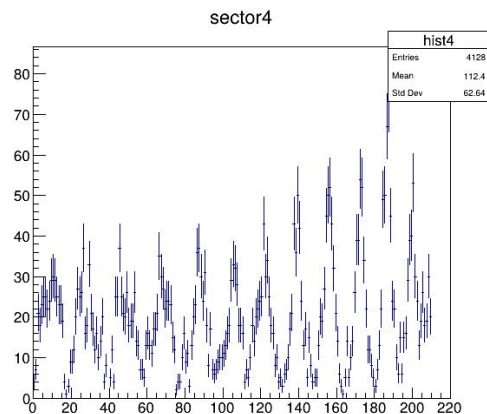
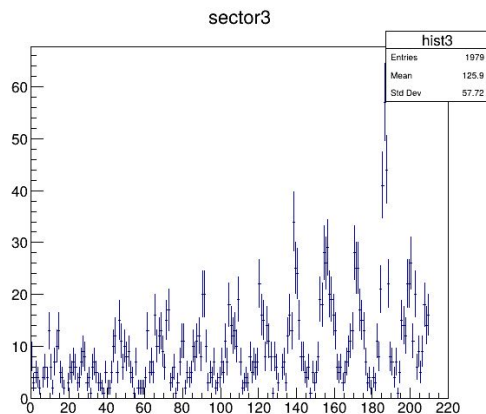
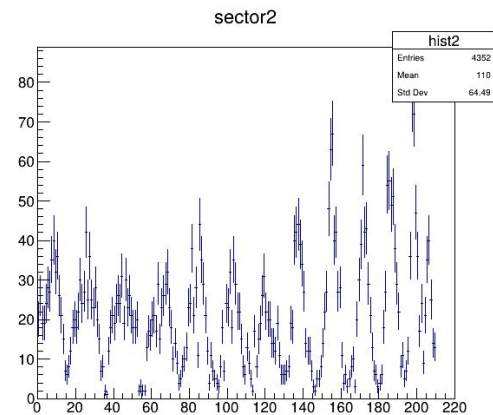
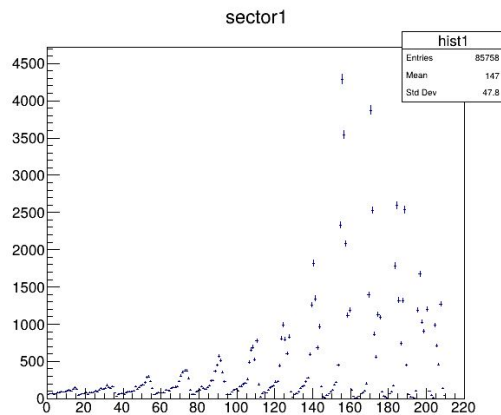
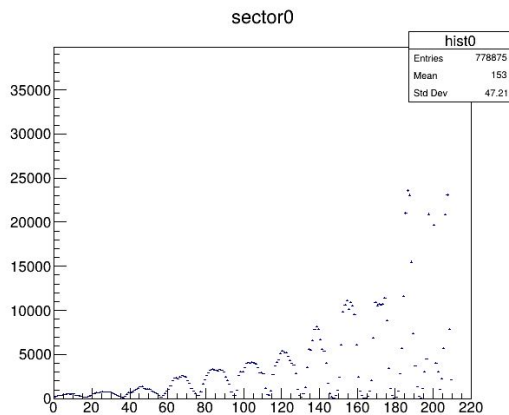
50 GeV pion, eta : 1.5-3.5, phi : 120 to 180

Merged data while targeting sector0, sector1 and sector2



50 GeV pion, eta : 1.5-3.5, phi : 0 to 180

In terms of number of hits (merged data)



50 GeV pion, eta : 1.5-3.5, phi : 0 to 180

Animation of merged data of sector0, sector1 and sector2

