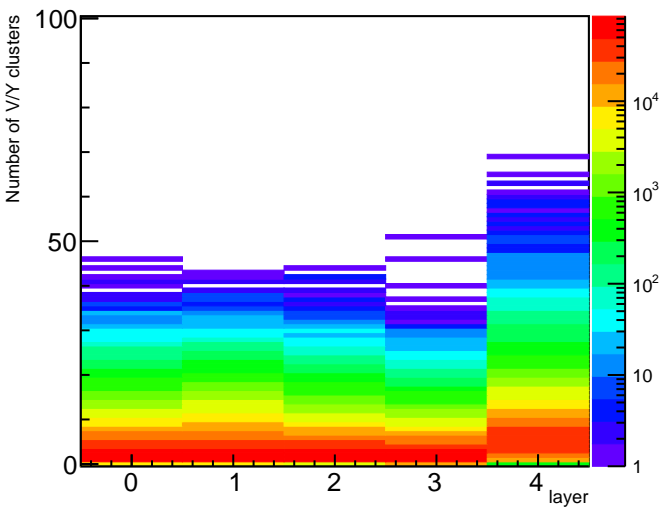
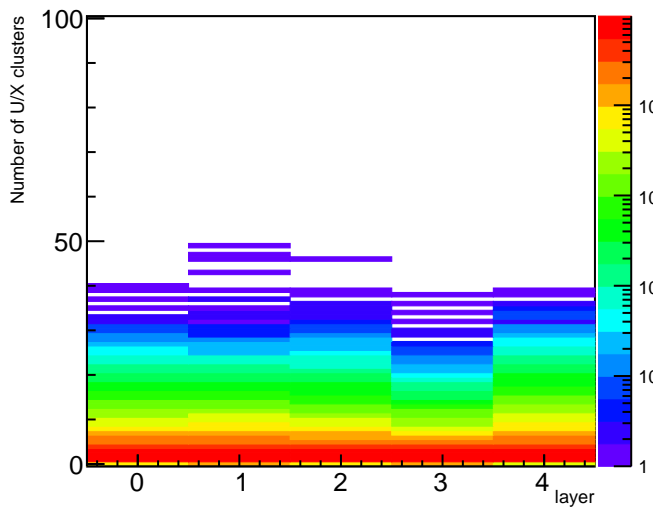
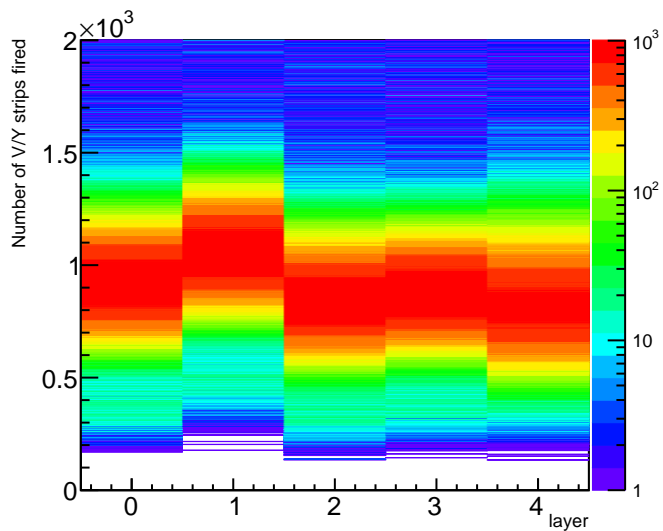
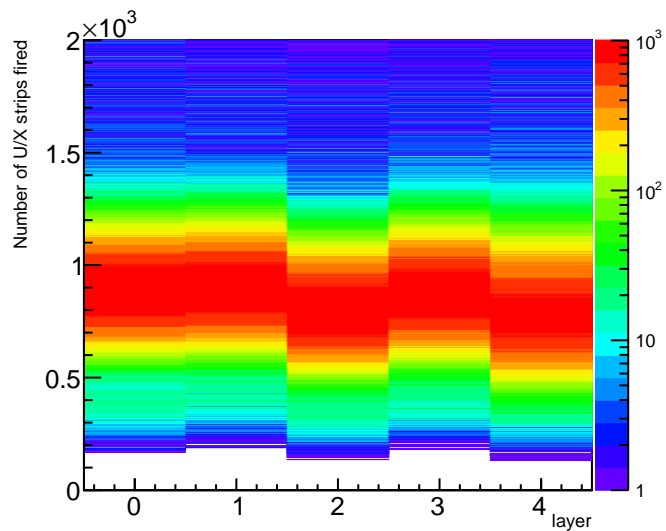
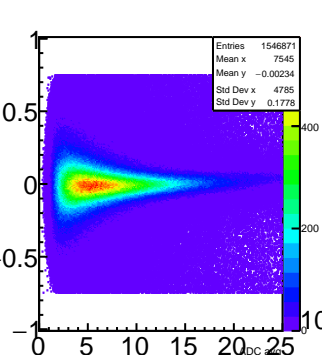
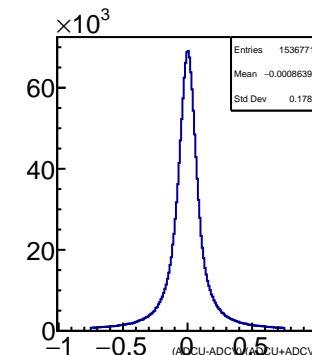
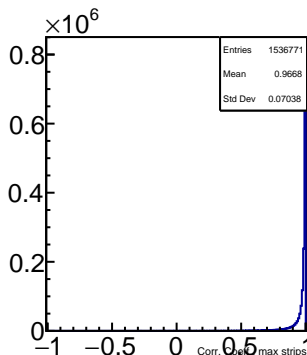
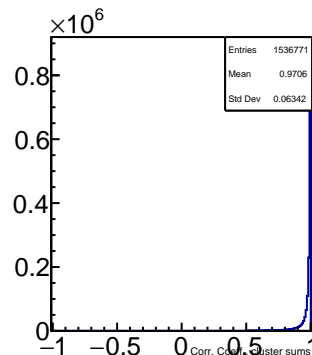
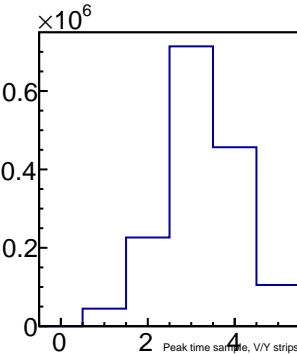
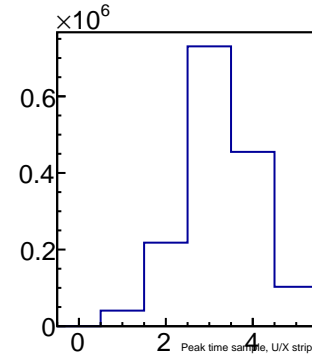
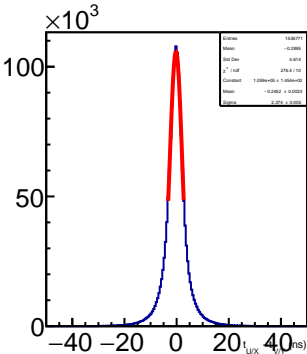
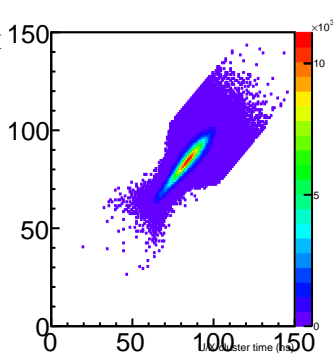
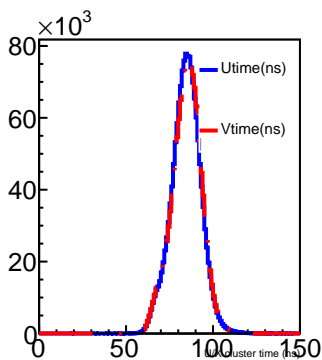
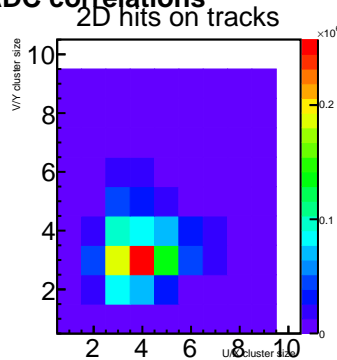
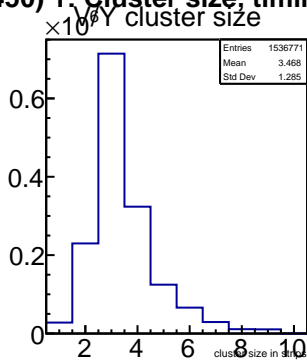
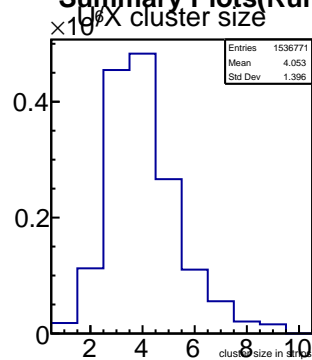


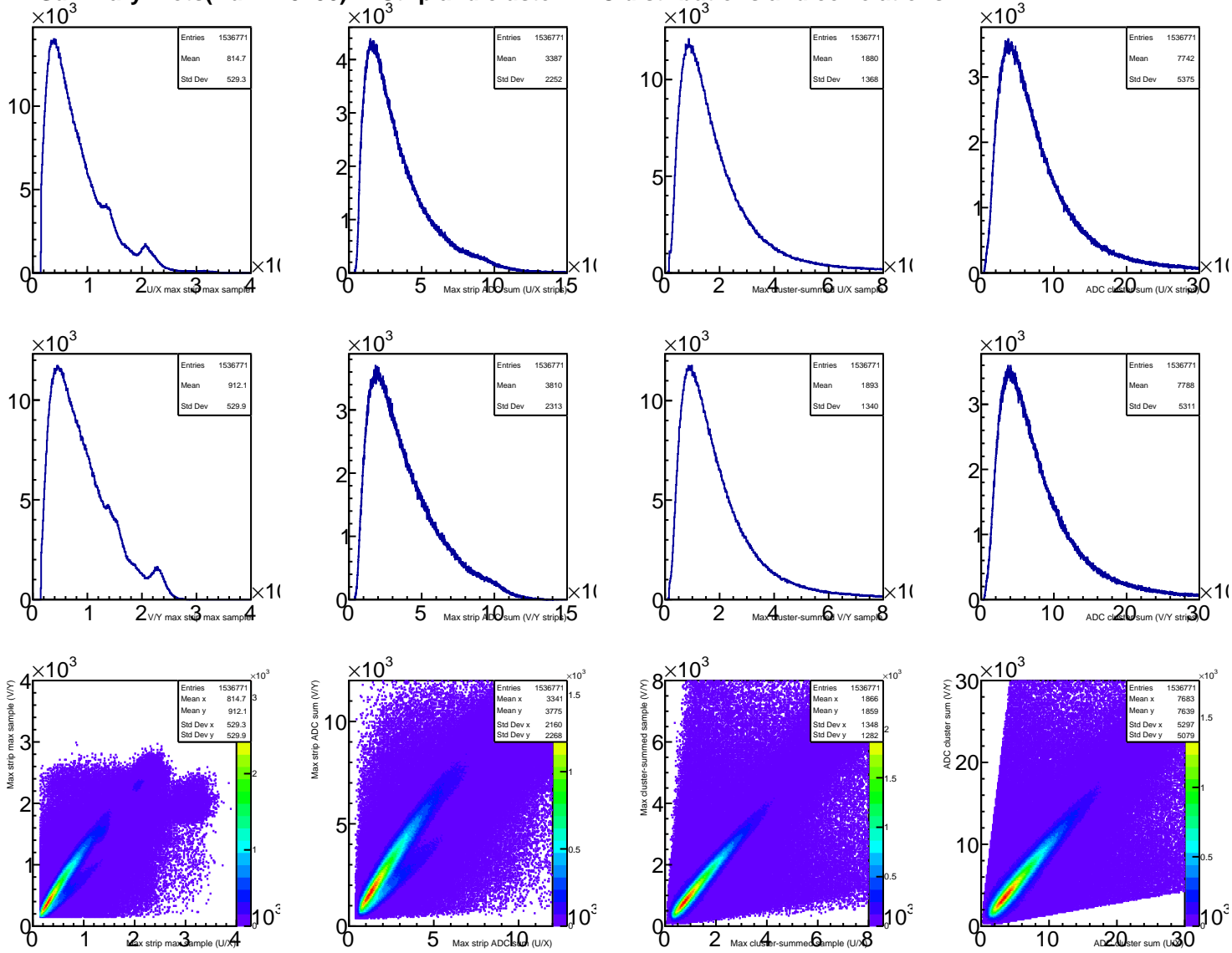
Summary Plots(Run #13450) 0: Strip and cluster multiplicities



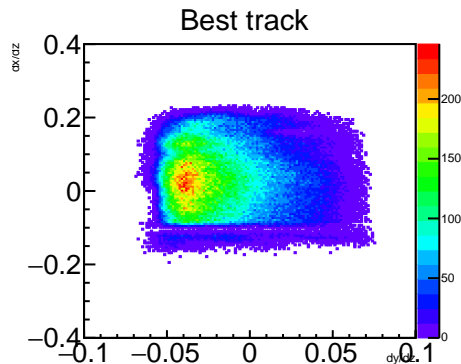
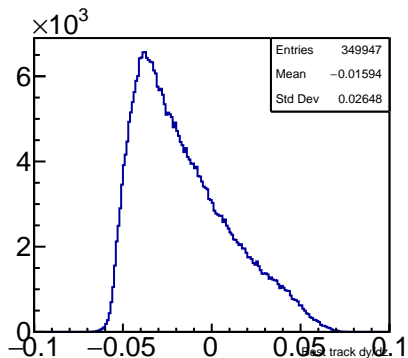
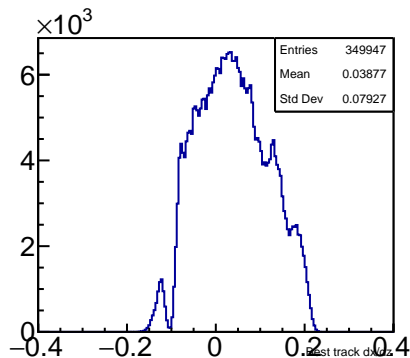
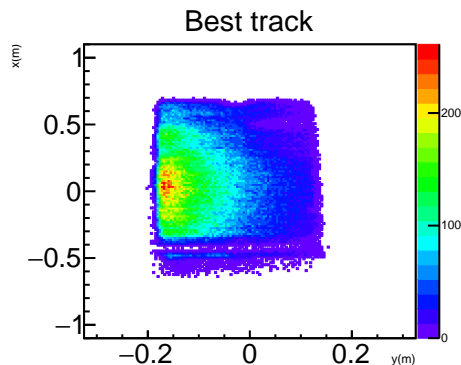
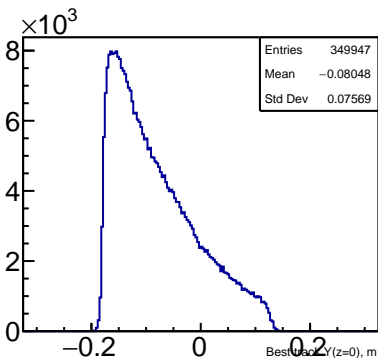
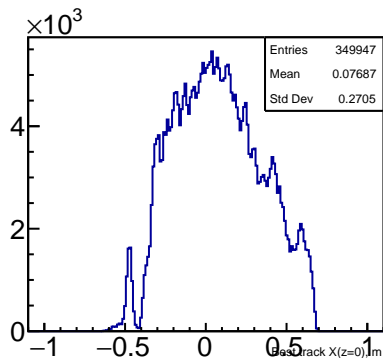
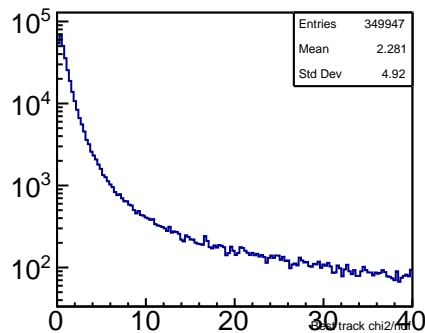
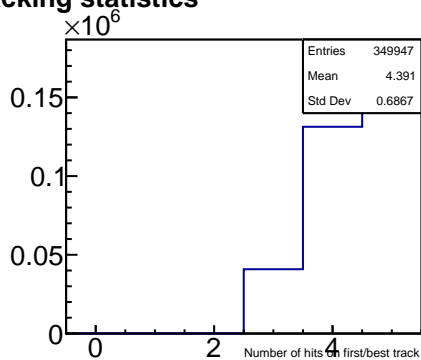
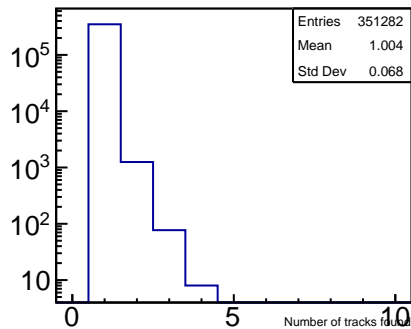
# Summary Plots (Run #13450) 1: Cluster size, timing, ADC correlations



Summary Plots (Run #13450) 2: Strip and cluster ADC distributions and correlations

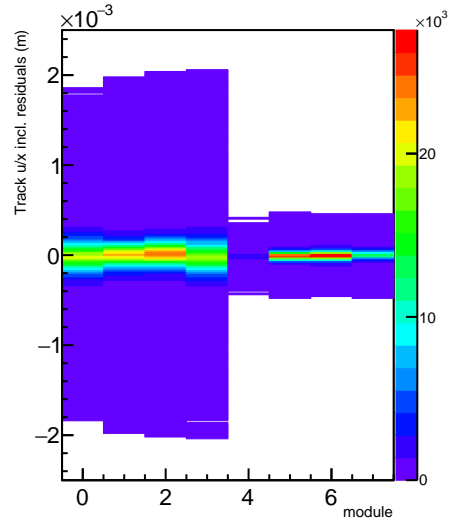
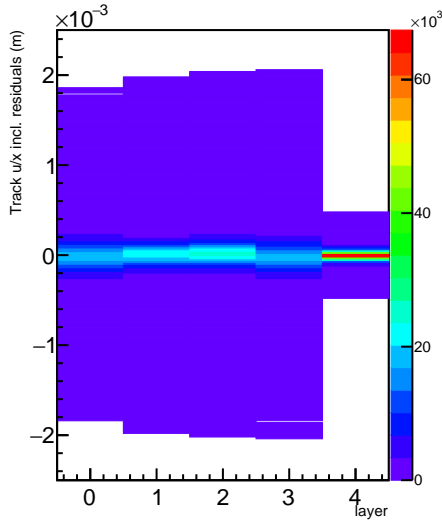
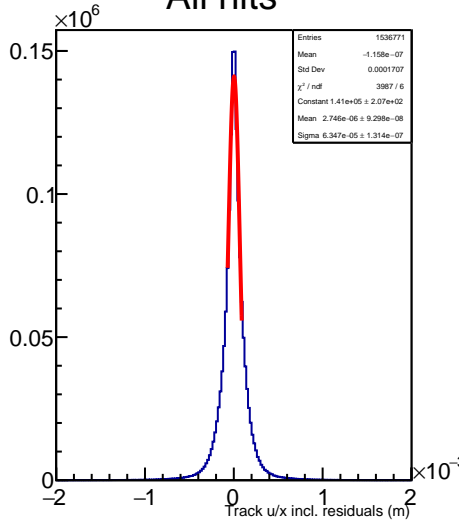


# Summary Plots(Run #13450) 3: Tracking statistics

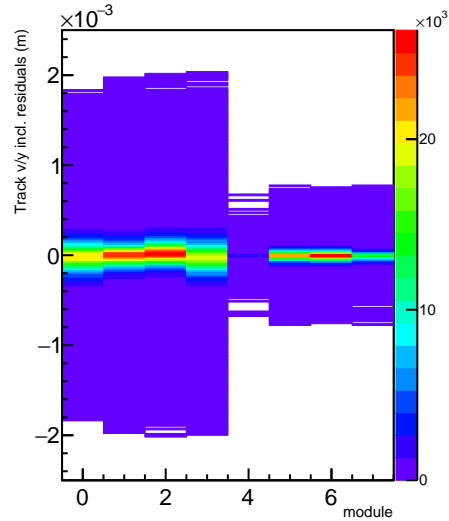
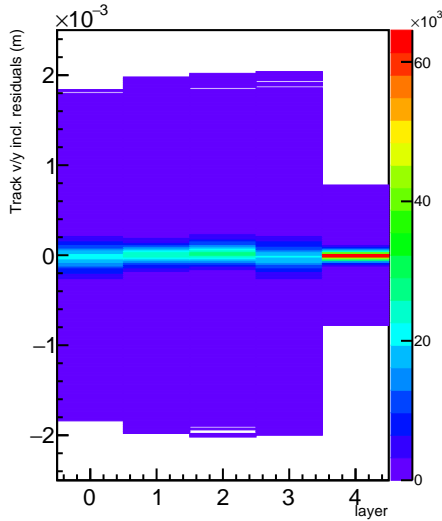
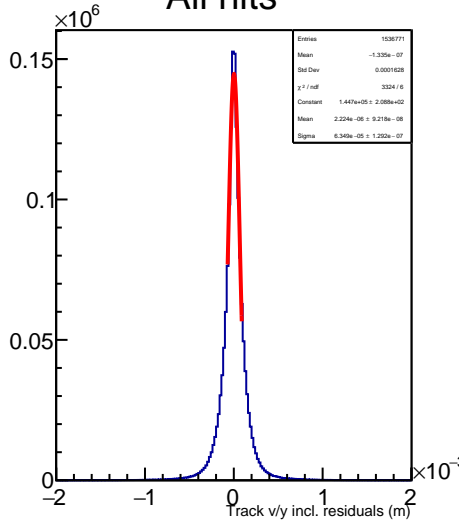


# Summary Plots(Run #13450) 4: Tracking residuals (inclusive)

## All hits

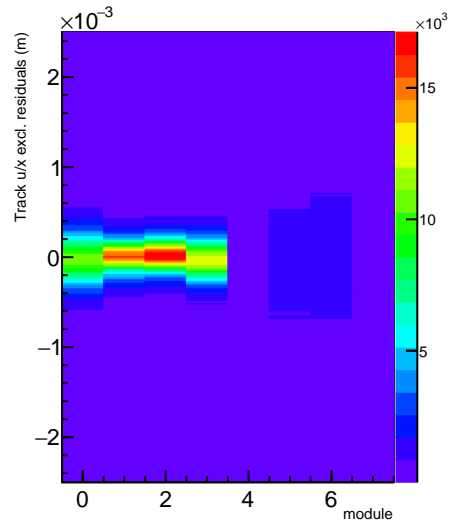
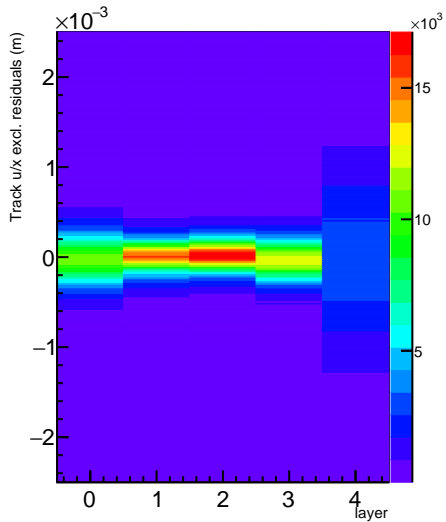
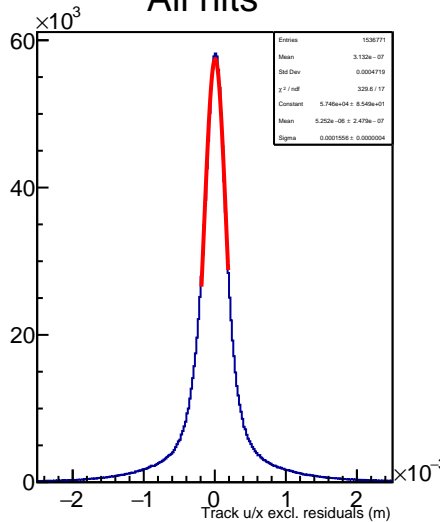


## All hits

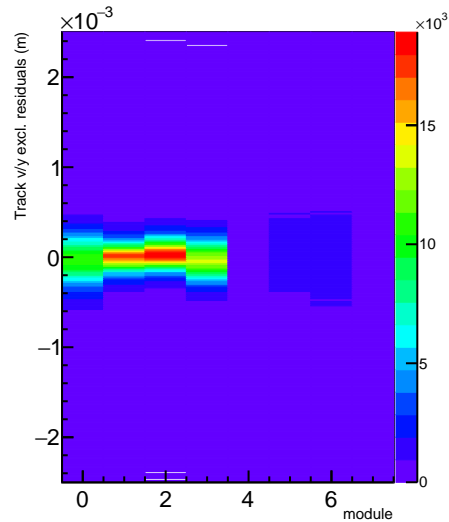
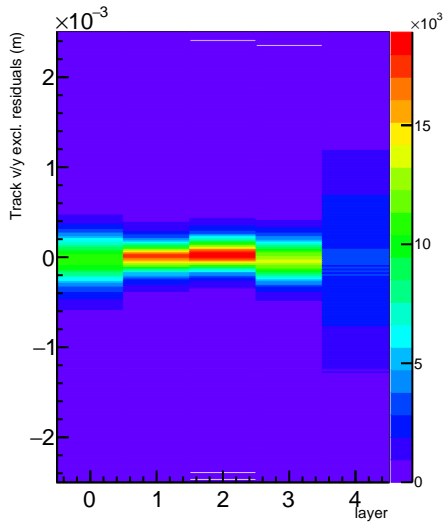
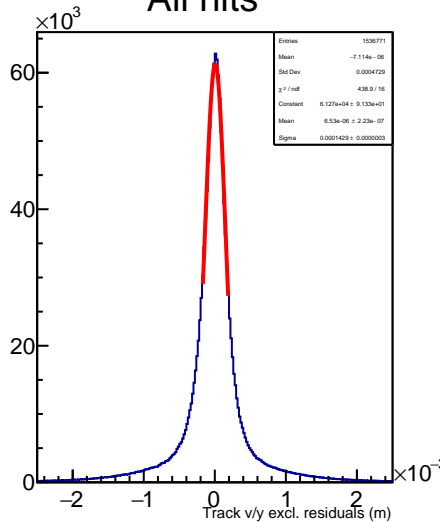


# Summary Plots(Run #13450) 5: Tracking residuals (exclusive)

## All hits

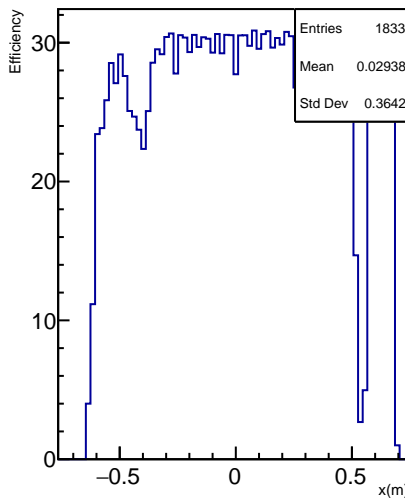


## All hits

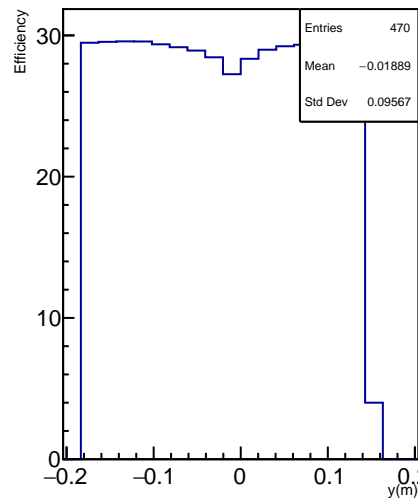


# Summary Plots(Run #13450) 6: Module 0 (UVA U/V layer 0) efficiencies

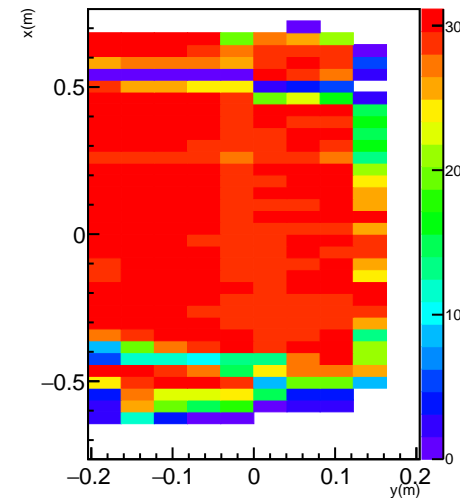
Track-based efficiency vs x, module m0



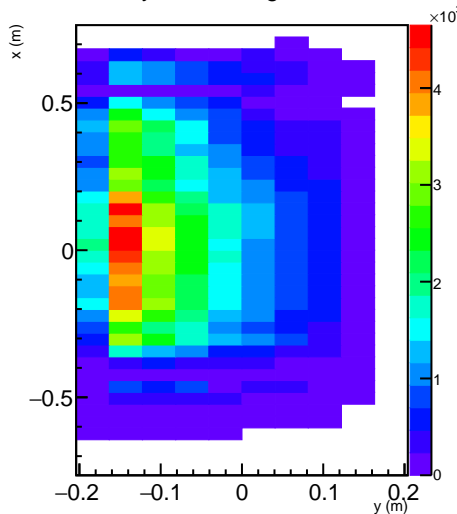
Track-based efficiency vs y, module m0



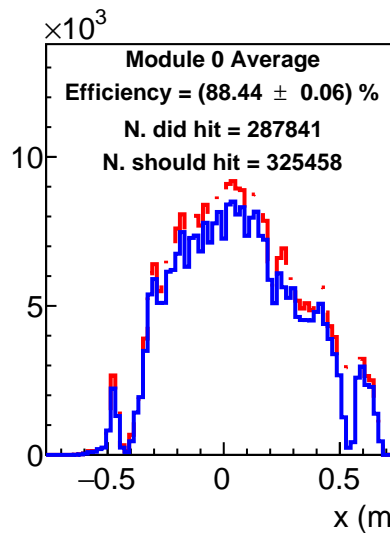
Track-based efficiency vs x and y, module m0



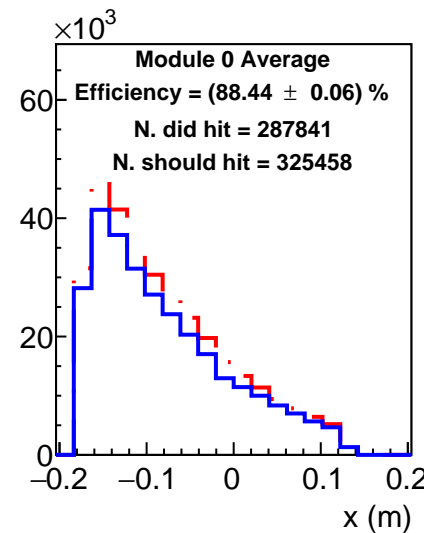
x vs y of hits on good tracks



**Module 0 Average**  
**Efficiency =  $(88.44 \pm 0.06) \%$**   
**N. did hit = 287841**  
**N. should hit = 325458**

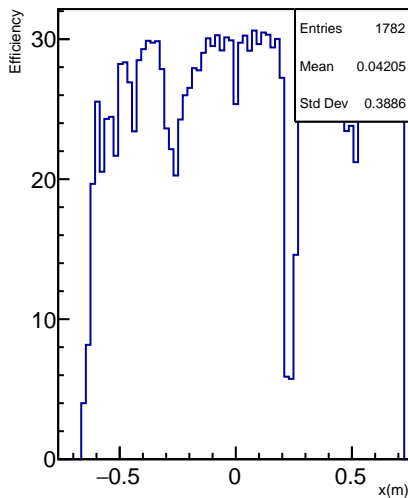


**Module 0 Average**  
**Efficiency =  $(88.44 \pm 0.06) \%$**   
**N. did hit = 287841**  
**N. should hit = 325458**

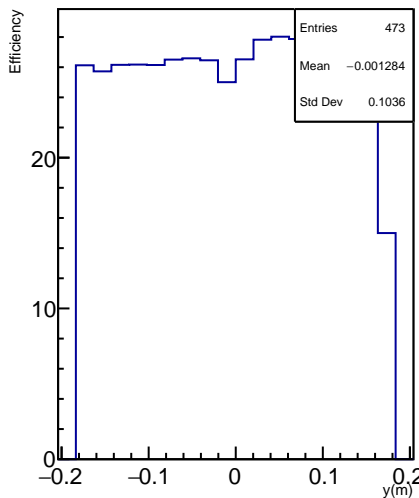


# Summary Plots(Run #13450) 7: Module 1 (UVA U/V layer 1) efficiencies

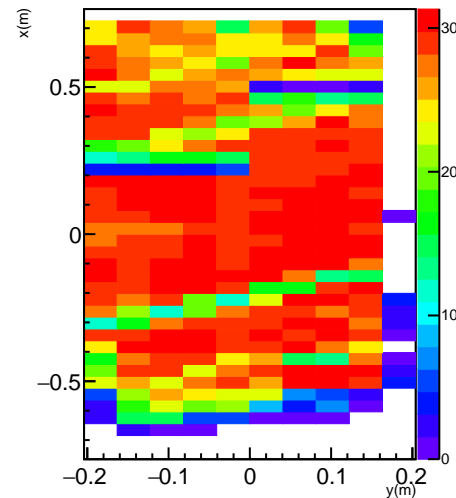
Track-based efficiency vs x, module m1



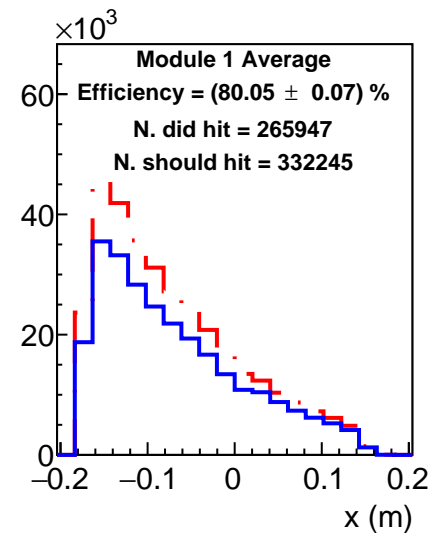
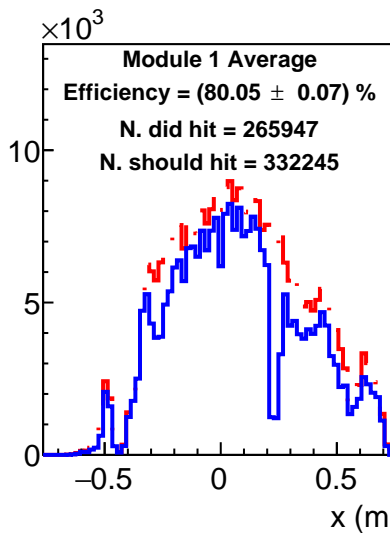
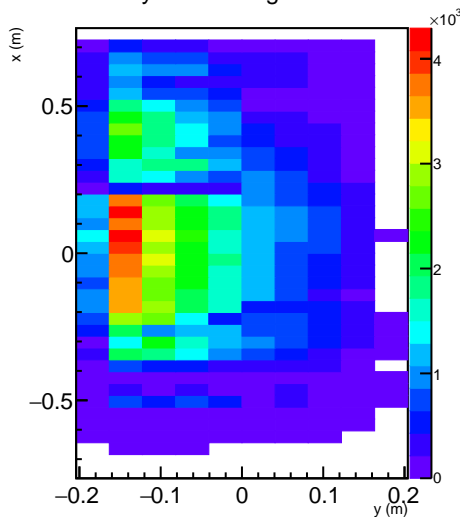
Track-based efficiency vs y, module m1



Track-based efficiency vs x and y, module m1



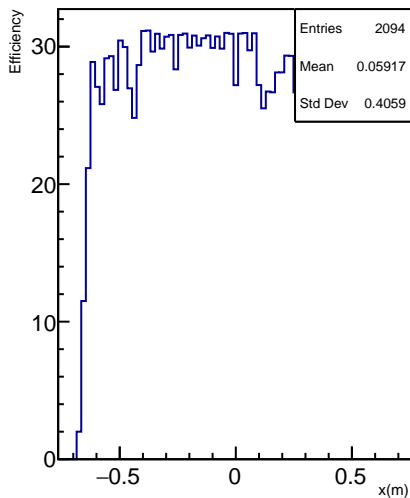
x vs y of hits on good tracks



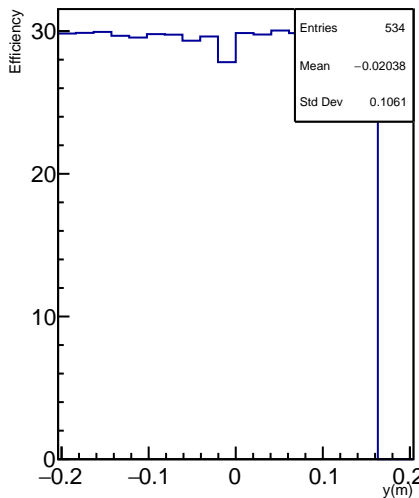


# Summary Plots(Run #13450) 8: Module 2 (UVA U/V layer 2) efficiencies

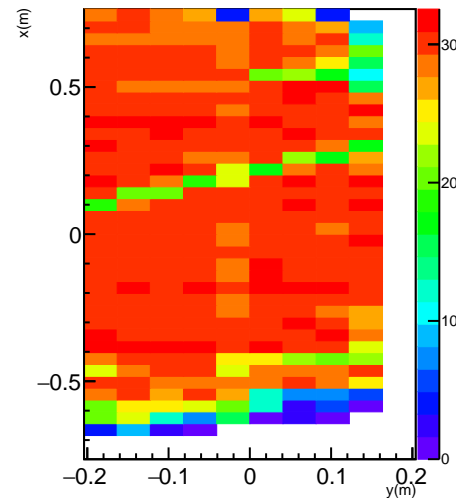
Track-based efficiency vs x, module m2



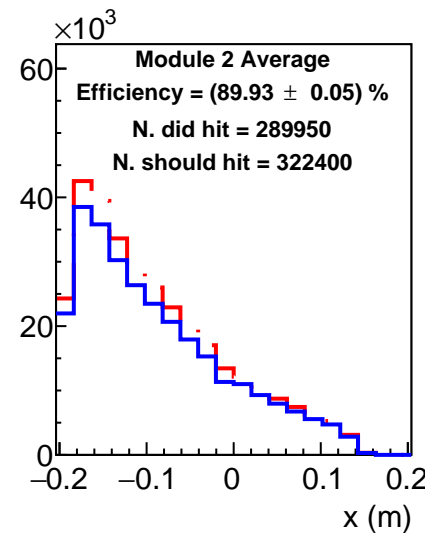
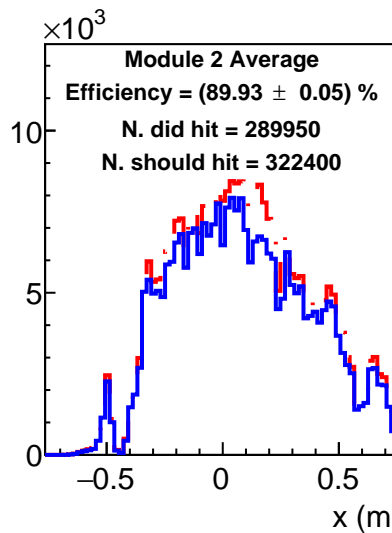
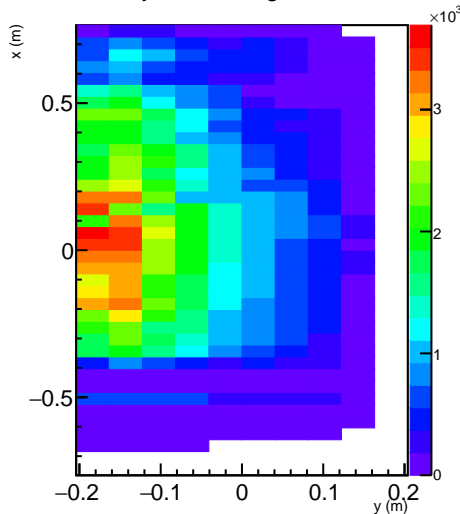
Track-based efficiency vs y, module m2



Track-based efficiency vs x and y, module m2

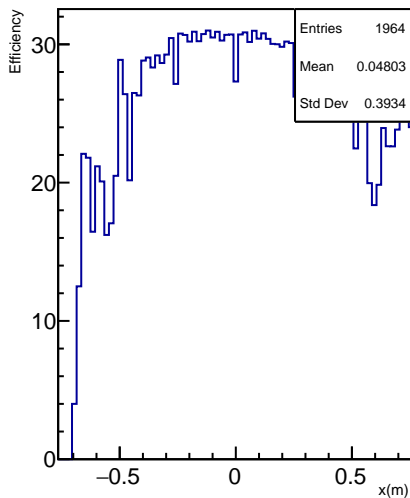


x vs y of hits on good tracks

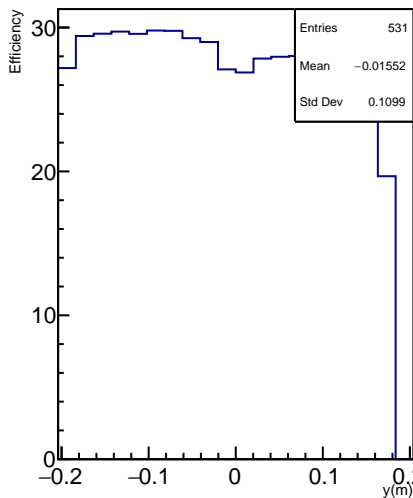


# Summary Plots(Run #13450) 9: Module 3 (UVA U/V layer 3) efficiencies

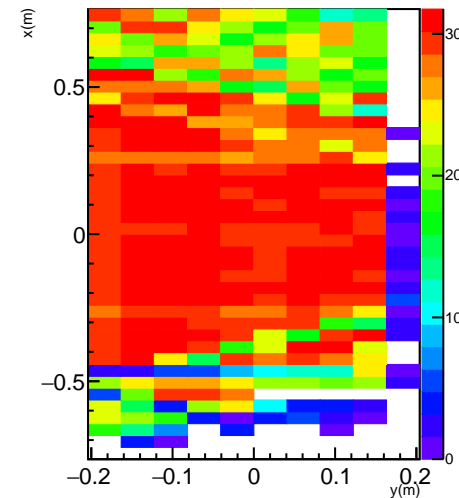
Track-based efficiency vs x, module m3



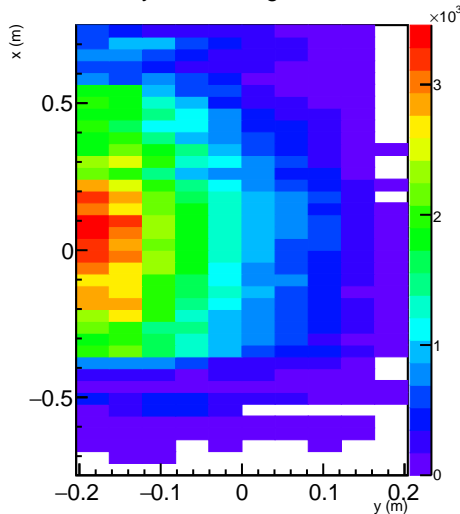
Track-based efficiency vs y, module m3



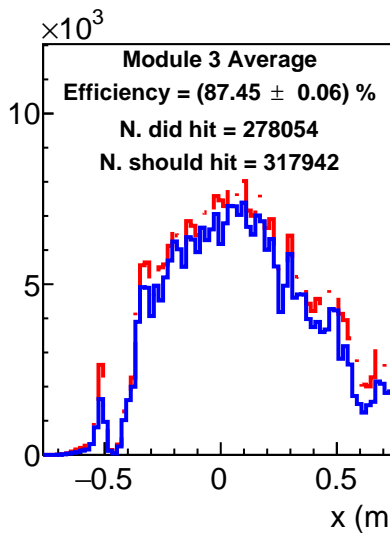
Track-based efficiency vs x and y, module m3



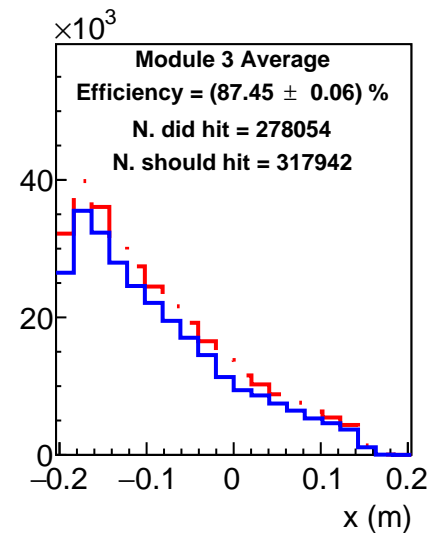
x vs y of hits on good tracks



**Module 3 Average**  
**Efficiency =  $(87.45 \pm 0.06) \%$**   
**N. did hit = 278054**  
**N. should hit = 317942**

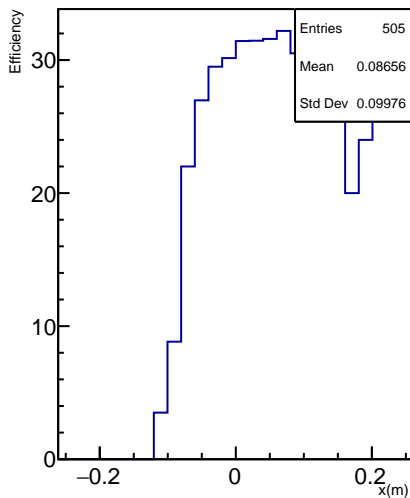


**Module 3 Average**  
**Efficiency =  $(87.45 \pm 0.06) \%$**   
**N. did hit = 278054**  
**N. should hit = 317942**

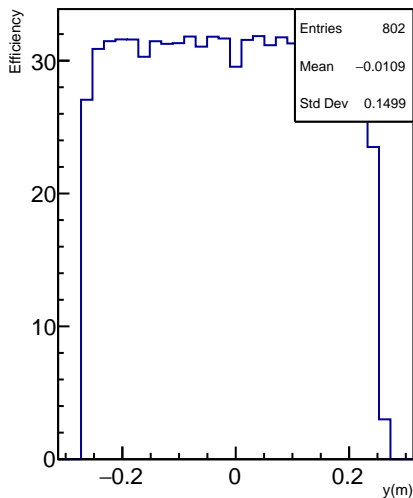


# Summary Plots(Run #13450) 10: Module 4 (UVA X/Y top) efficiencies

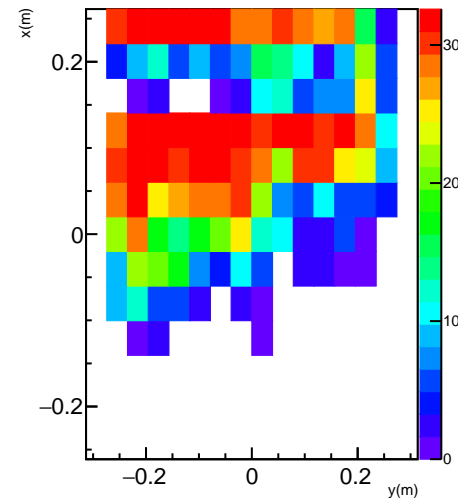
Track-based efficiency vs x, module m4



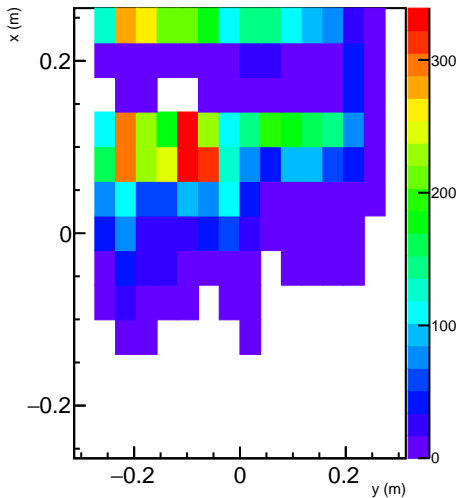
Track-based efficiency vs y, module m4



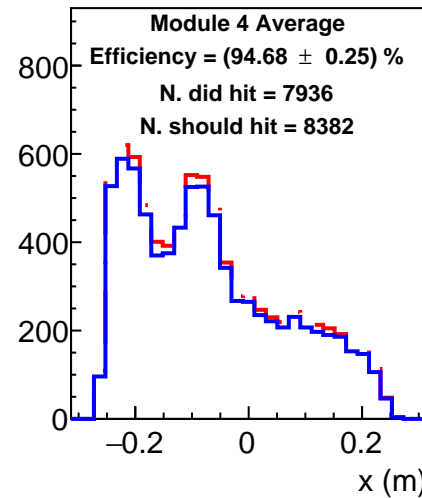
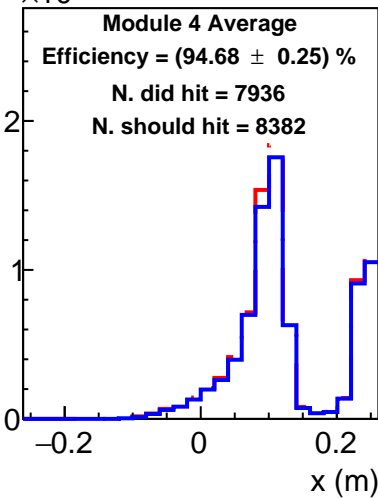
Track-based efficiency vs x and y, module m4



x vs y of hits on good tracks

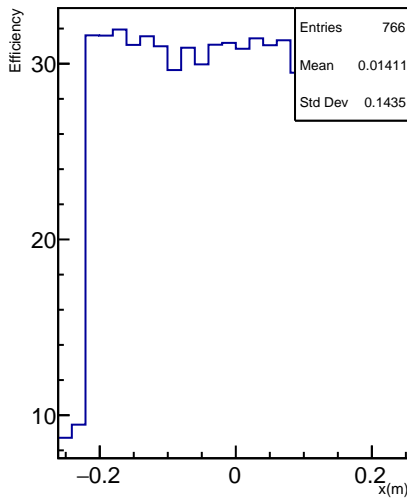


$\times 10^3$

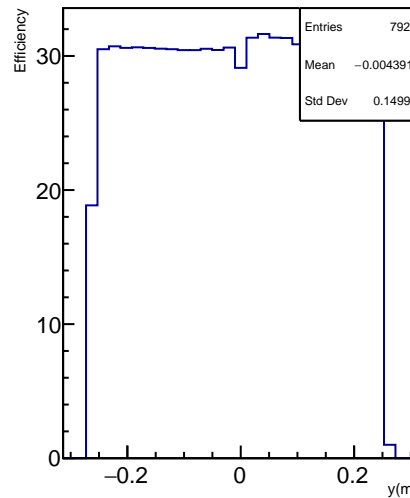


# Summary Plots(Run #13450) 11: Module 5 (UVA X/Y mid-upper) efficiencies

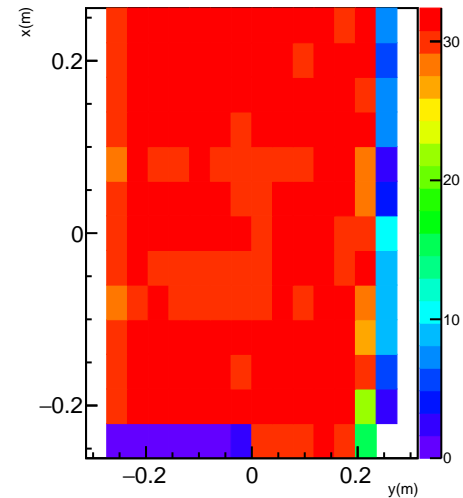
Track-based efficiency vs x, module m5



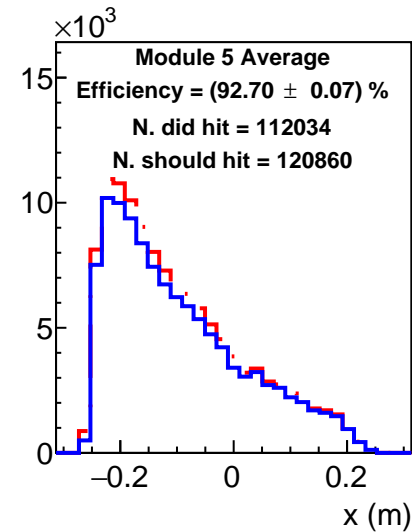
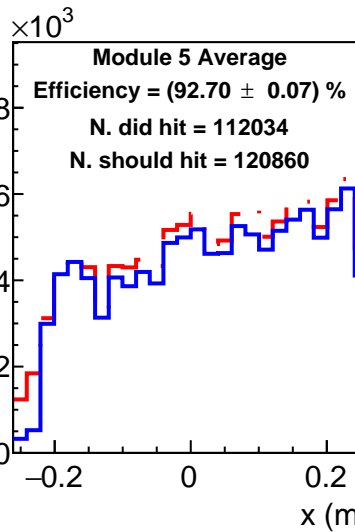
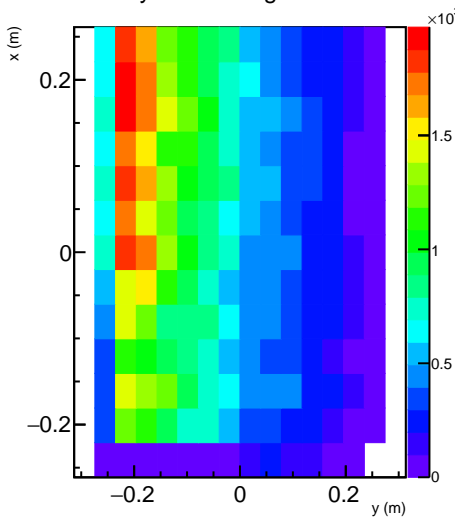
Track-based efficiency vs y, module m5



Track-based efficiency vs x and y, module m5



x vs y of hits on good tracks

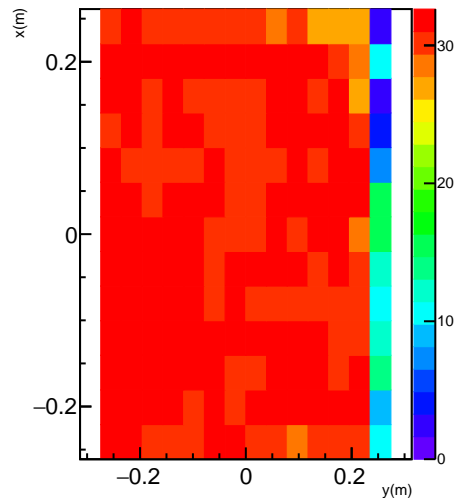
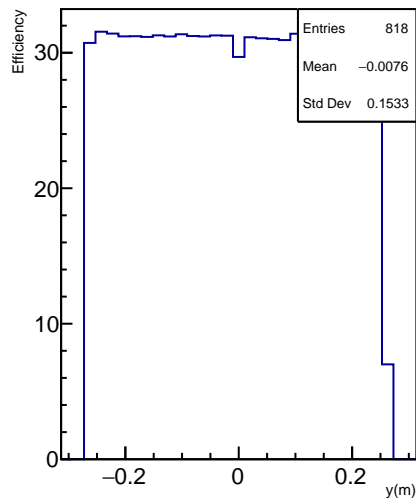
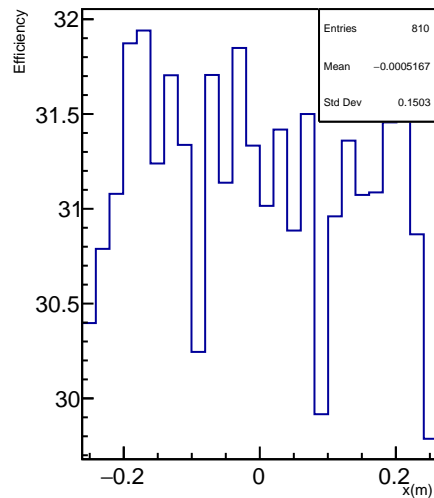


# Summary Plots(Run #13450) 12: Module 6 (UVA X/Y mid-lower) efficiencies

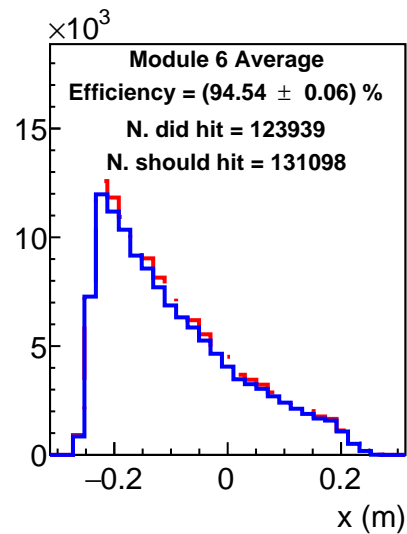
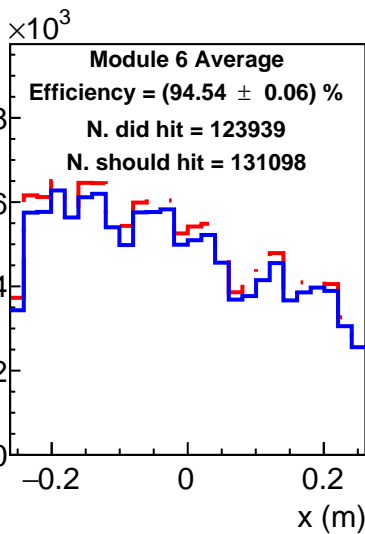
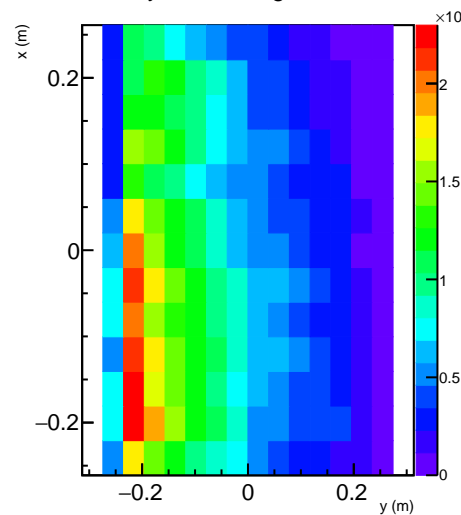
Track-based efficiency vs x, module m6

Track-based efficiency vs y, module m6

Track-based efficiency vs x and y, module m6

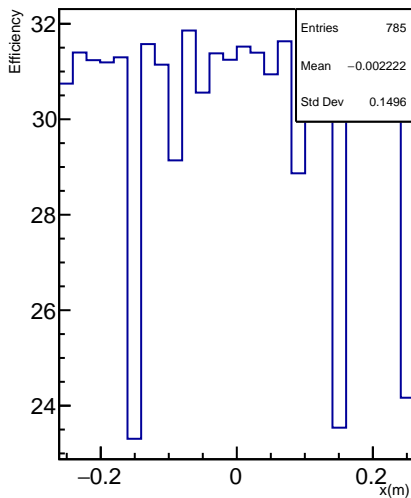


x vs y of hits on good tracks

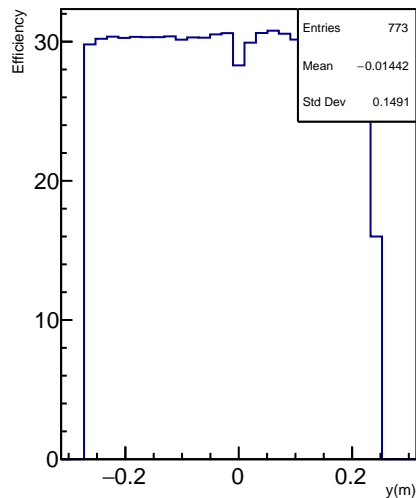


# Summary Plots(Run #13450) 13: Module 7 (UVA X/Y bottom) efficiencies

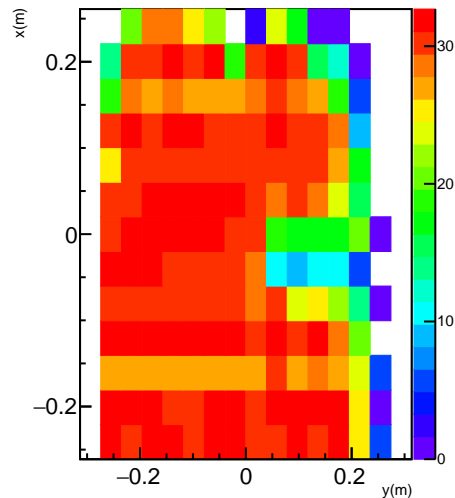
Track-based efficiency vs x, module m7



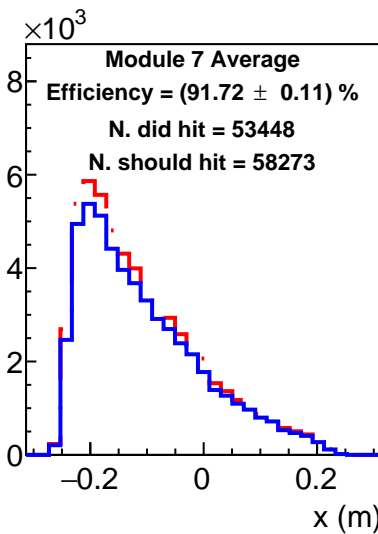
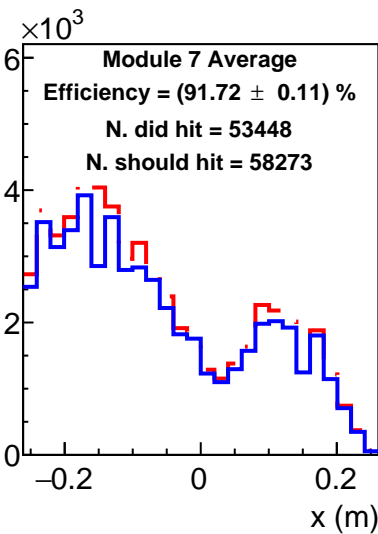
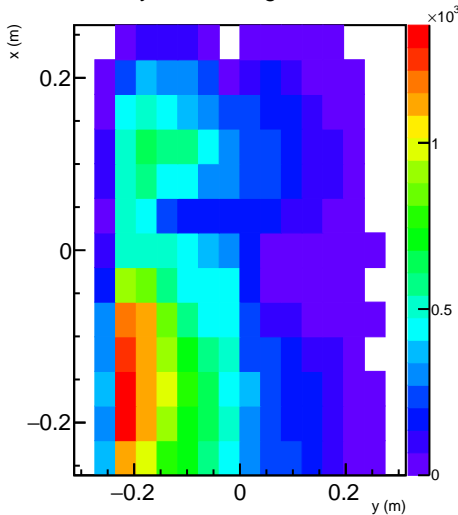
Track-based efficiency vs y, module m7



Track-based efficiency vs x and y, module m7

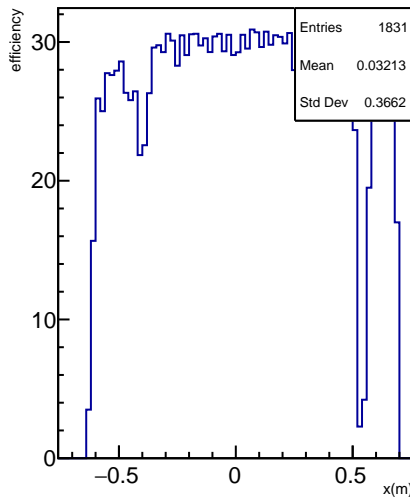


x vs y of hits on good tracks

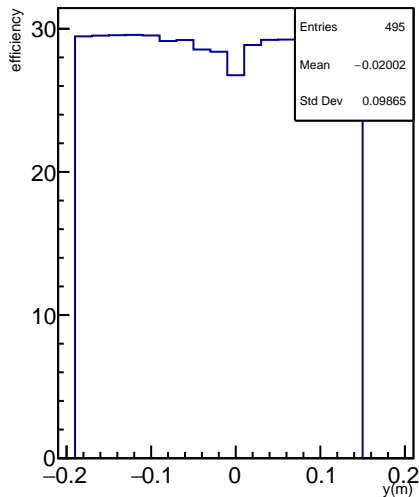


# Summary Plots(Run #13450) 14: Layer 0 efficiencies

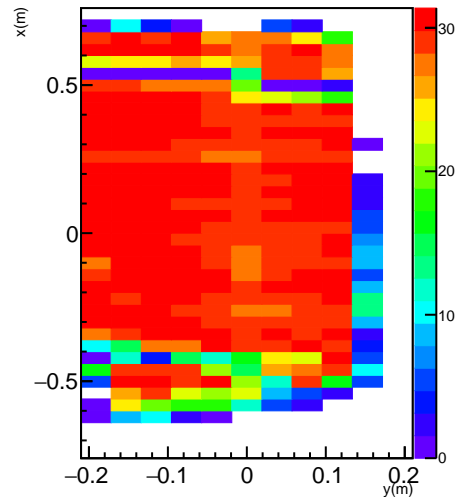
track-based efficiency vs x (m), averaged over y



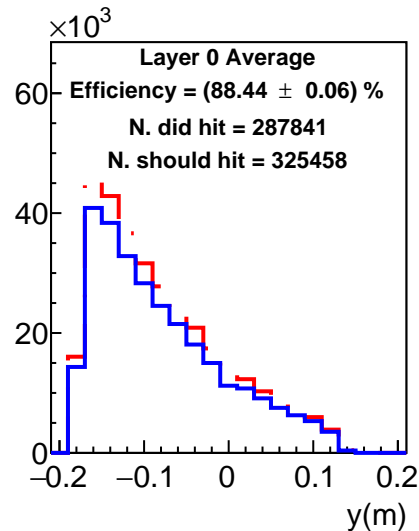
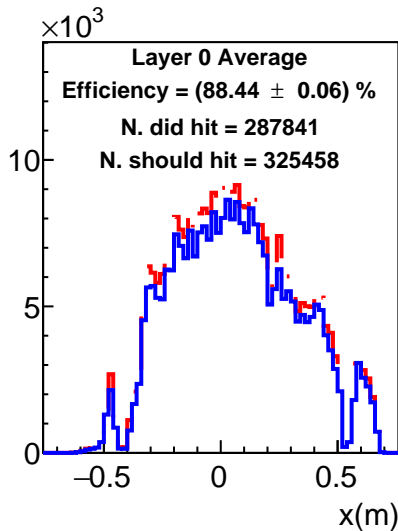
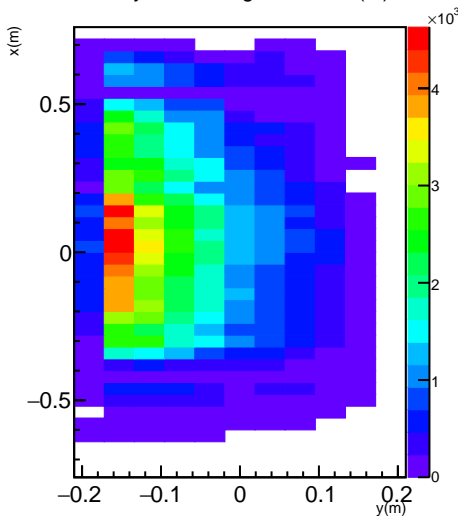
track-based efficiency vs y (m), averaged over x



track-based efficiency vs x, y

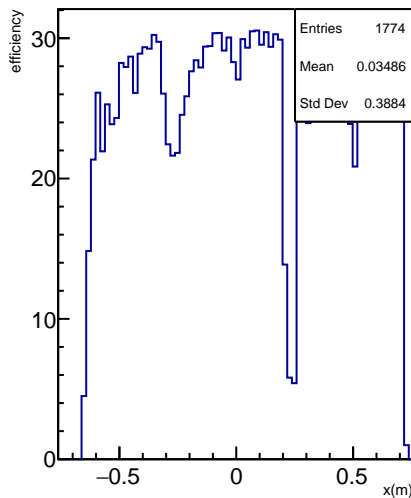


x vs y of hits on good tracks (m)

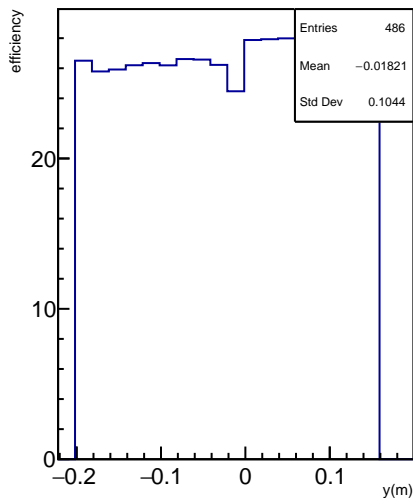


# Summary Plots(Run #13450) 15: Layer 1 efficiencies

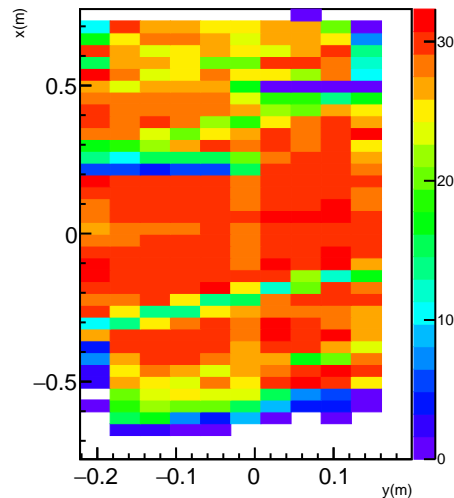
track-based efficiency vs x (m), averaged over y



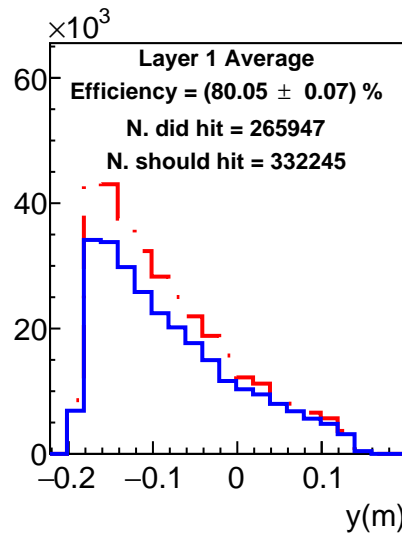
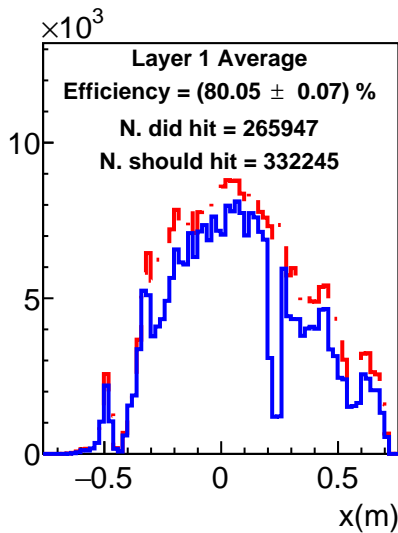
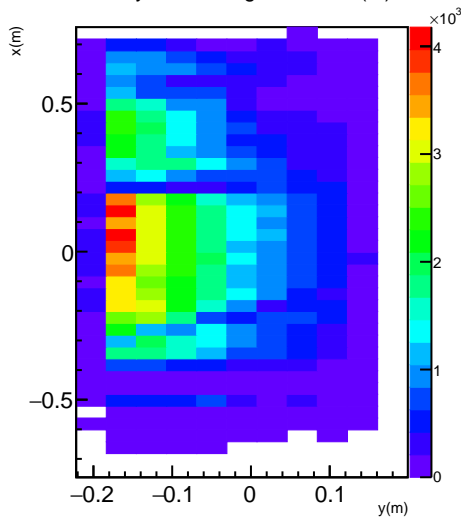
track-based efficiency vs y (m), averaged over x



track-based efficiency vs x, y



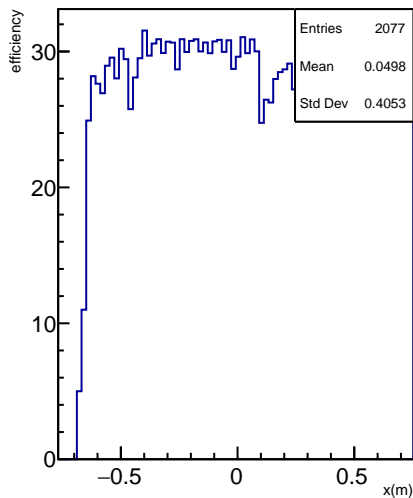
x vs y of hits on good tracks (m)



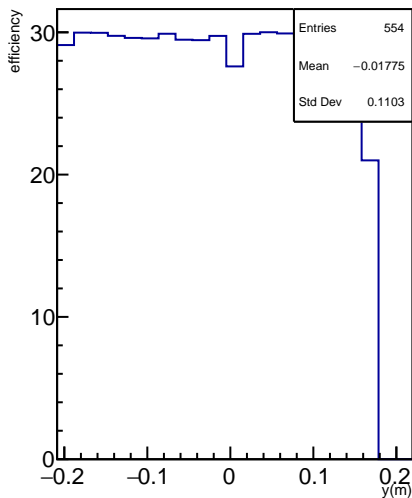


# Summary Plots(Run #13450) 16: Layer 2 efficiencies

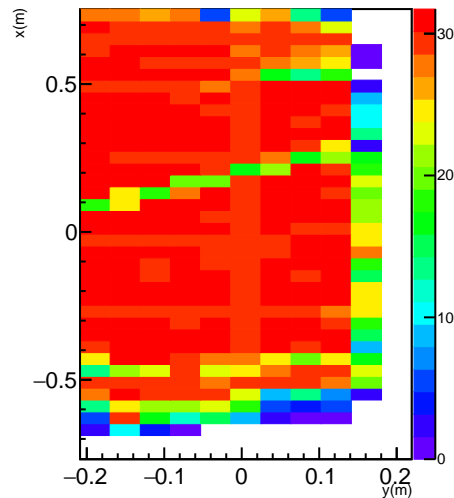
track-based efficiency vs x (m), averaged over y



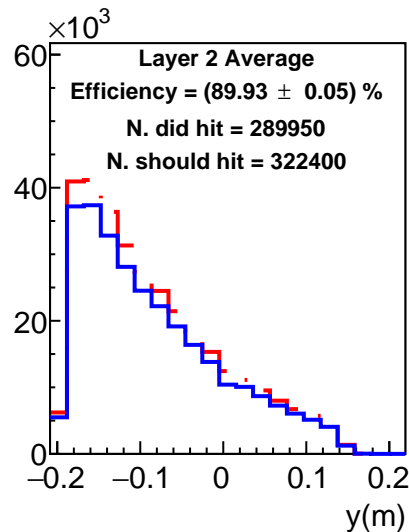
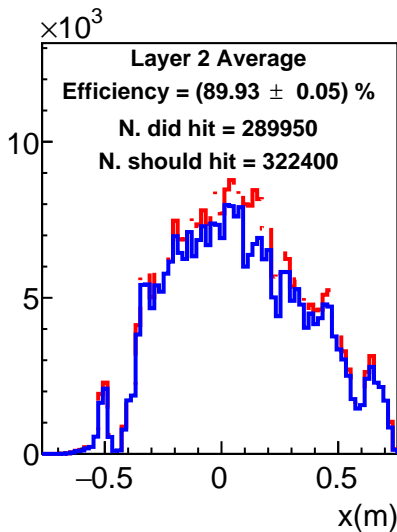
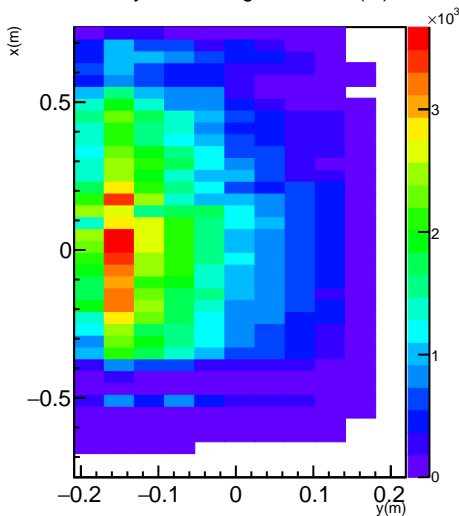
track-based efficiency vs y (m), averaged over x



track-based efficiency vs x, y

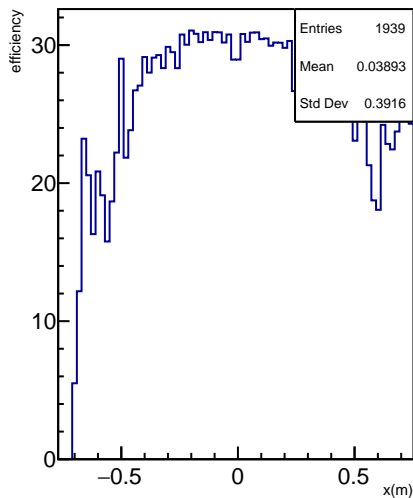


x vs y of hits on good tracks (m)

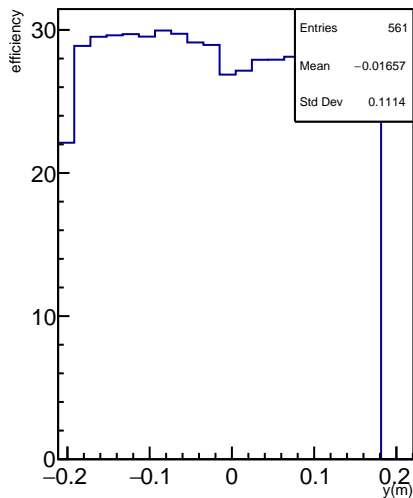


# Summary Plots(Run #13450) 17: Layer 3 efficiencies

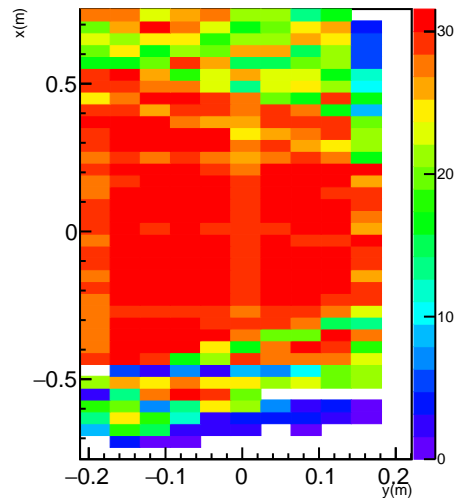
track-based efficiency vs x (m), averaged over y



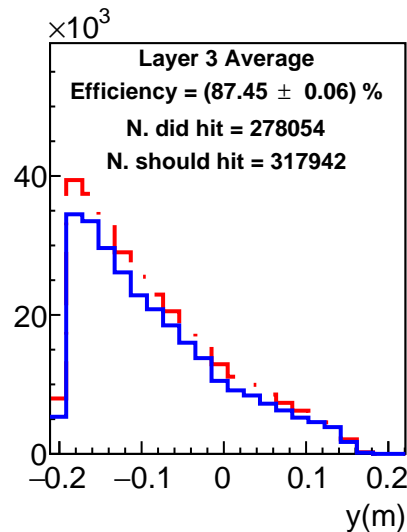
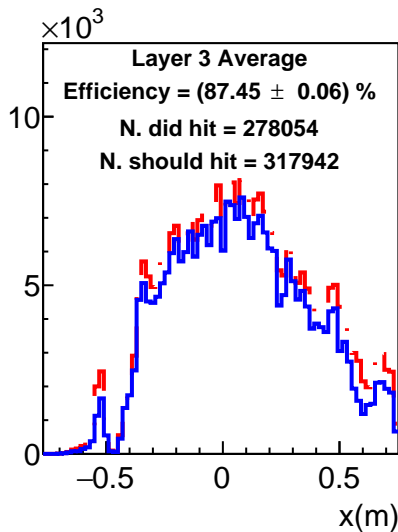
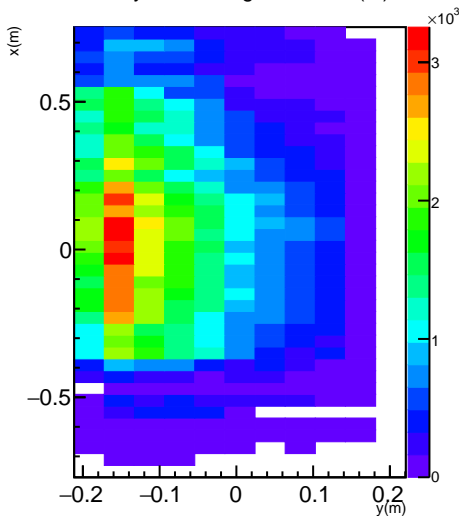
track-based efficiency vs y (m), averaged over x



track-based efficiency vs x, y

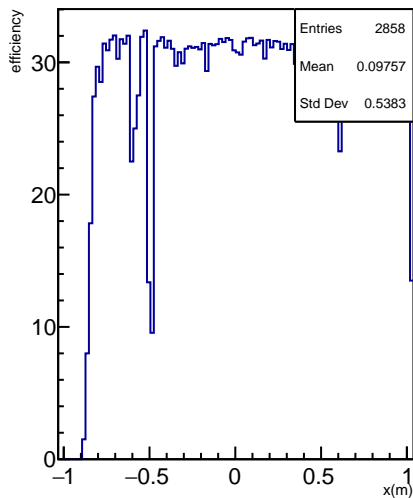


x vs y of hits on good tracks (m)

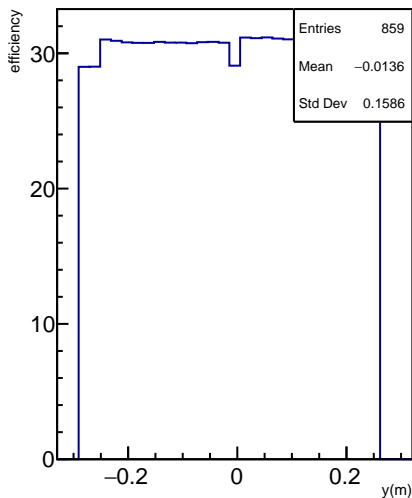


# Summary Plots(Run #13450) 18: Layer 4 efficiencies

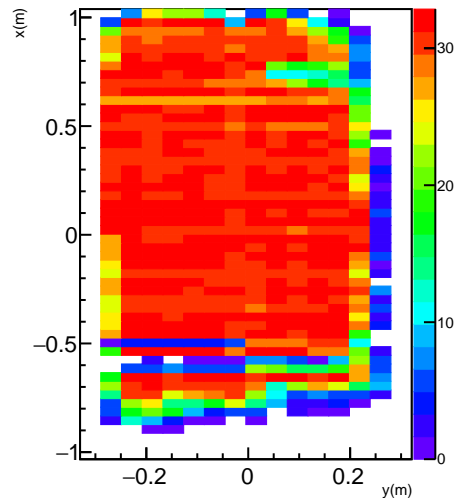
track-based efficiency vs x (m), averaged over y



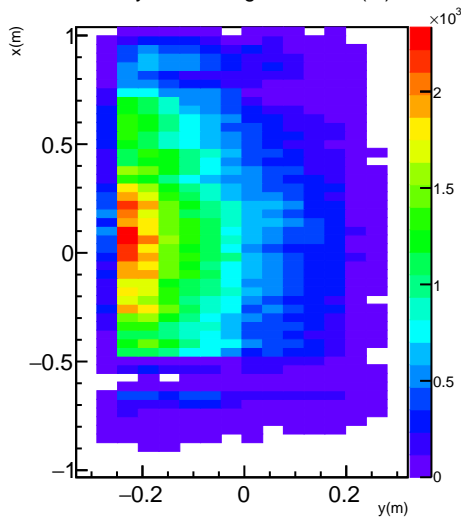
track-based efficiency vs y (m), averaged over x



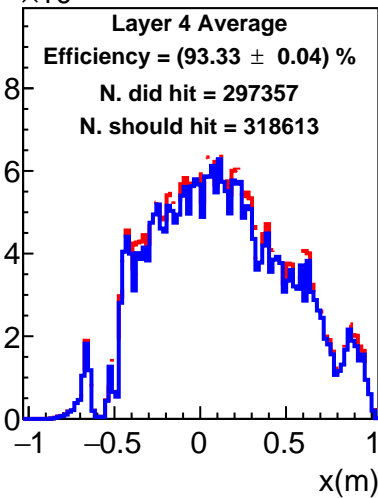
track-based efficiency vs x, y



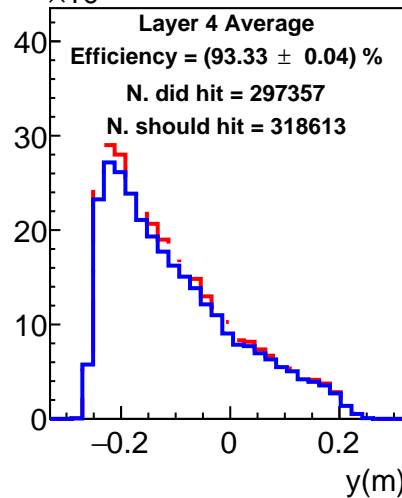
x vs y of hits on good tracks (m)



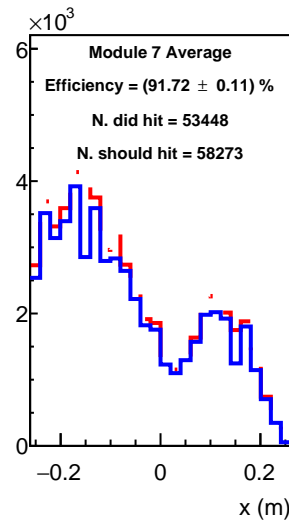
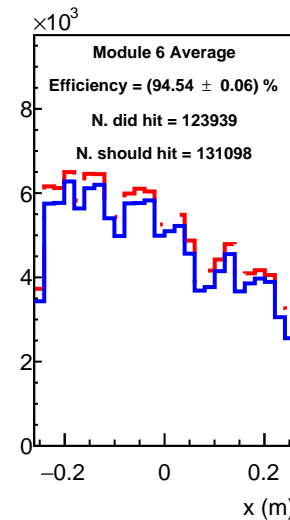
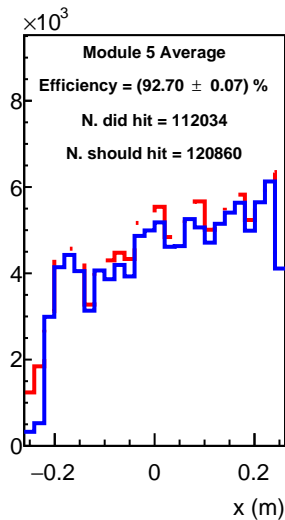
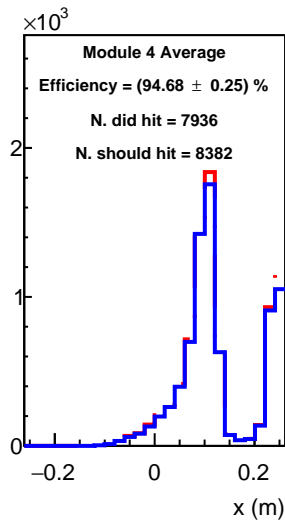
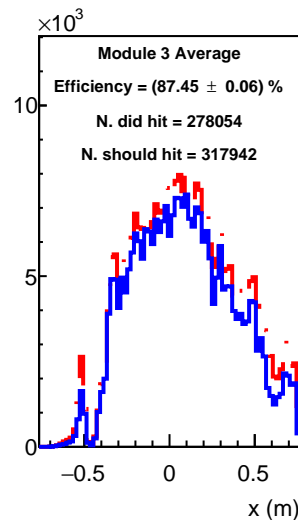
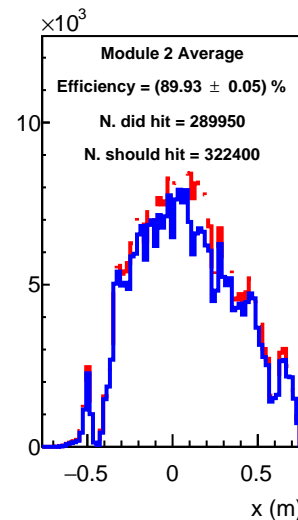
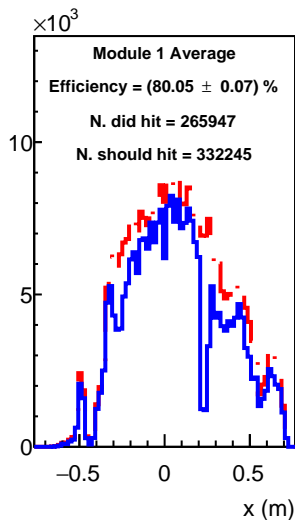
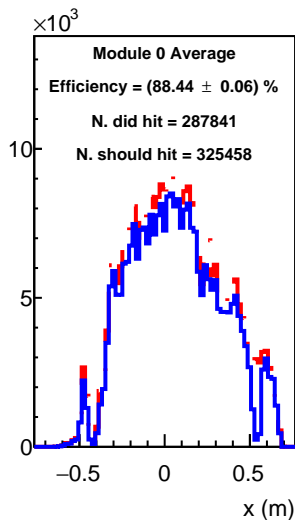
$\times 10^3$



$\times 10^3$

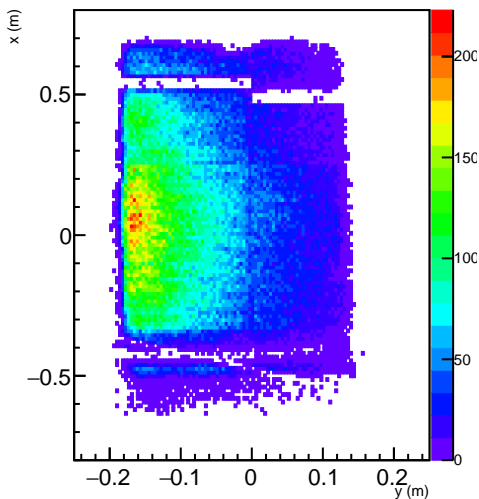


# Summary Plots(Run #13450) 19: Module average efficiencies

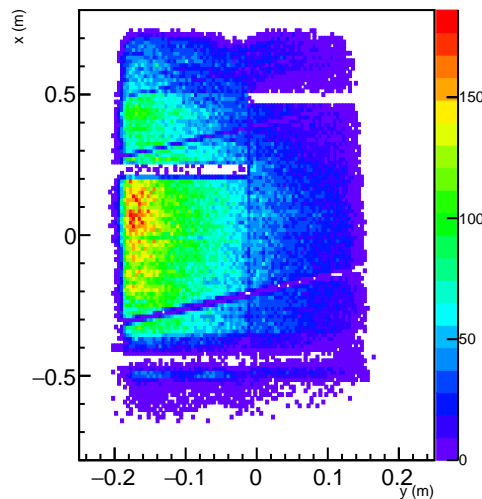


# Summary Plots(Run #13450) 20: Layer hit maps on good tracks

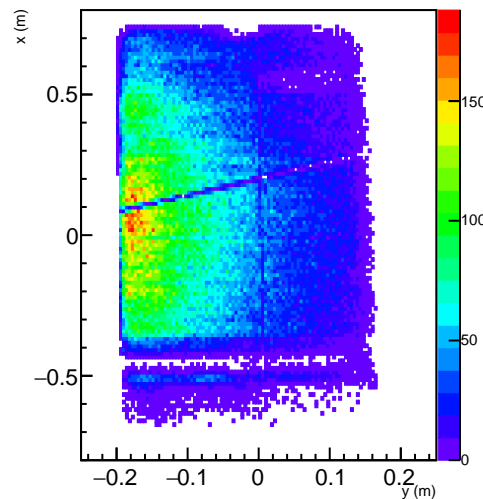
## Layer 0



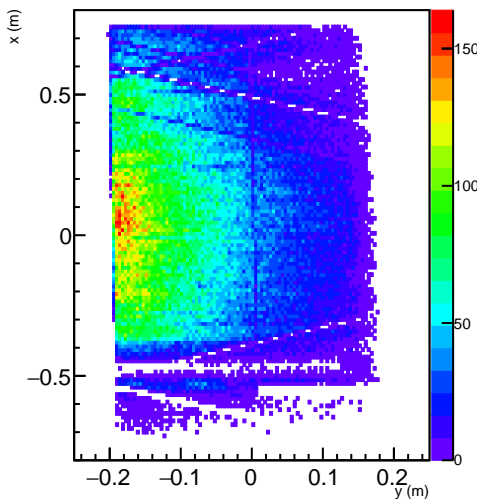
## Layer 1



## Layer 2



## Layer 3



## Layer 4

