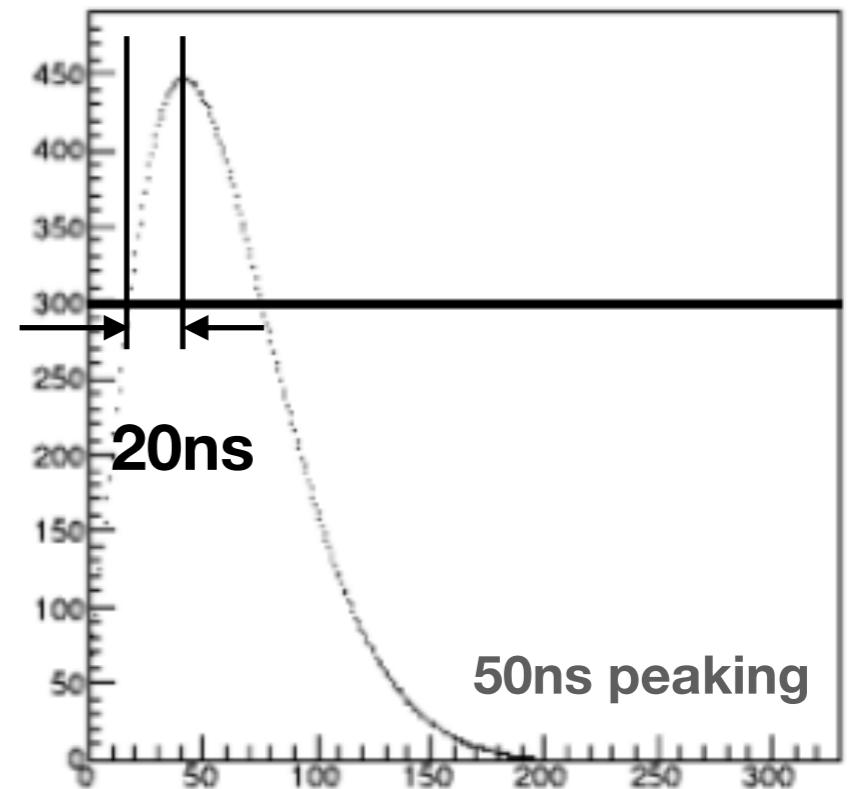


# SIDIS with VMM3

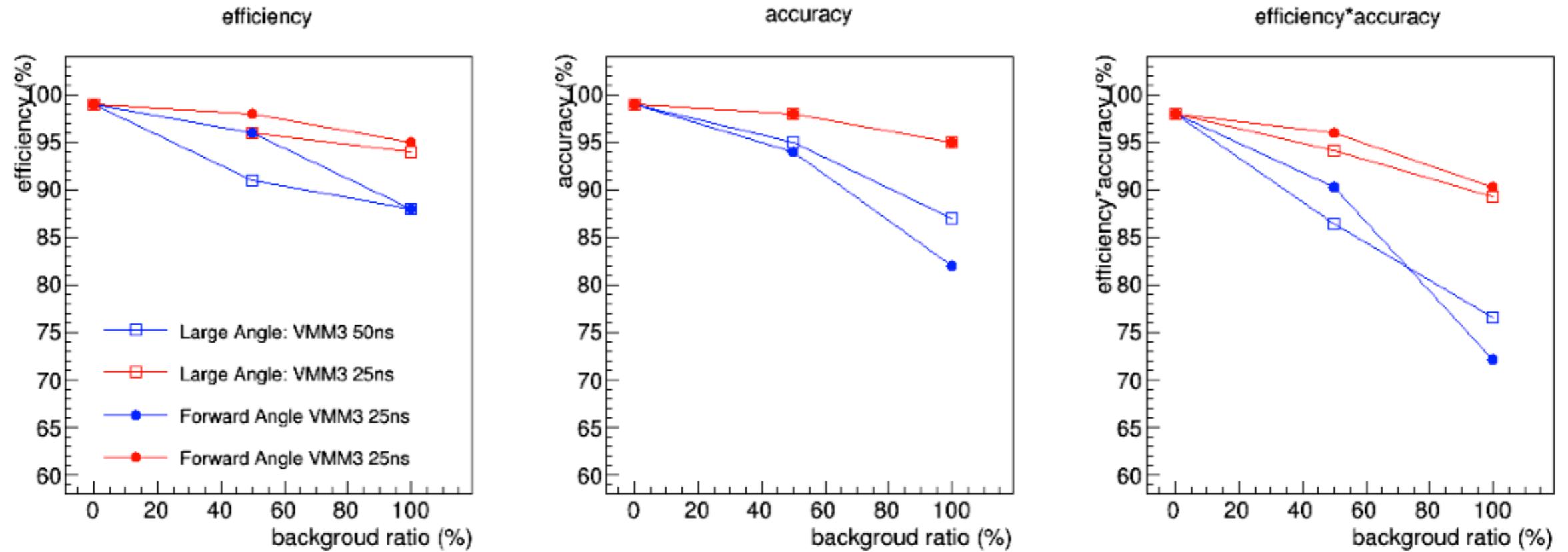
Jinlong Zhang  
July 28, 2020

# VMM3

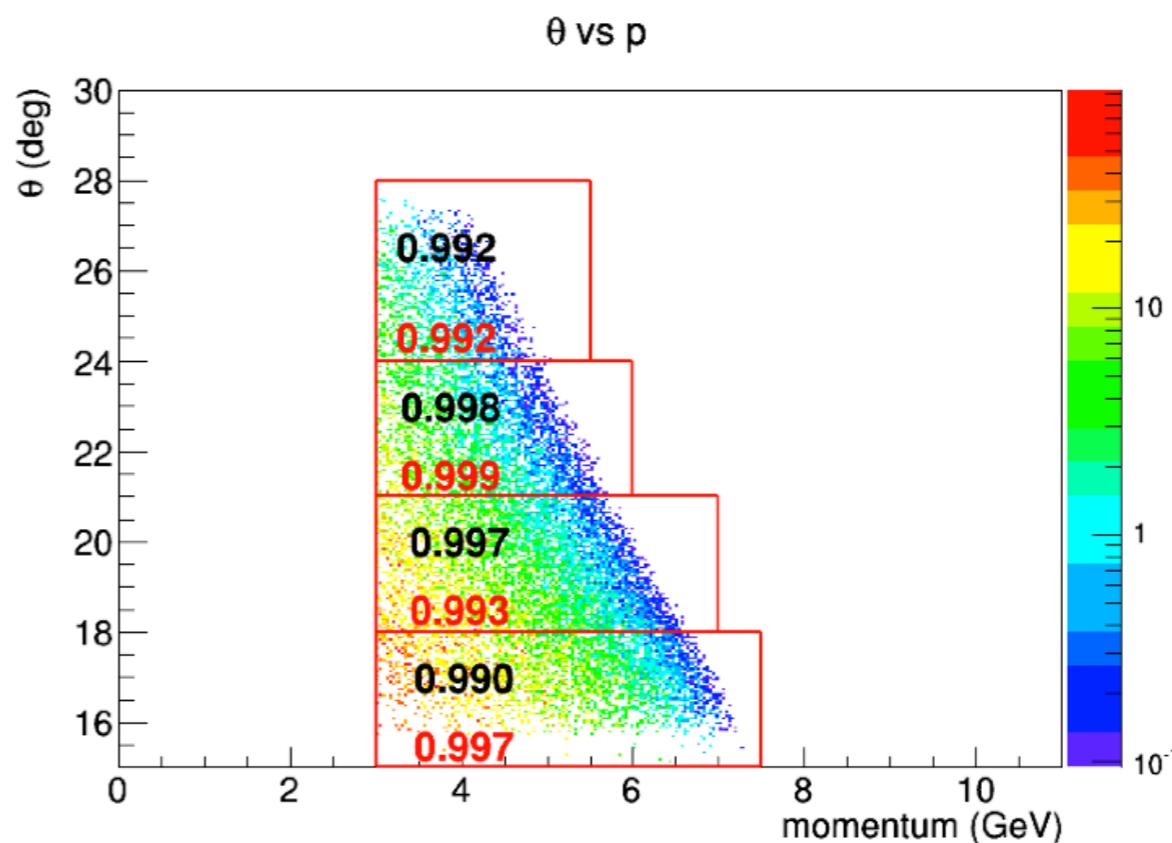
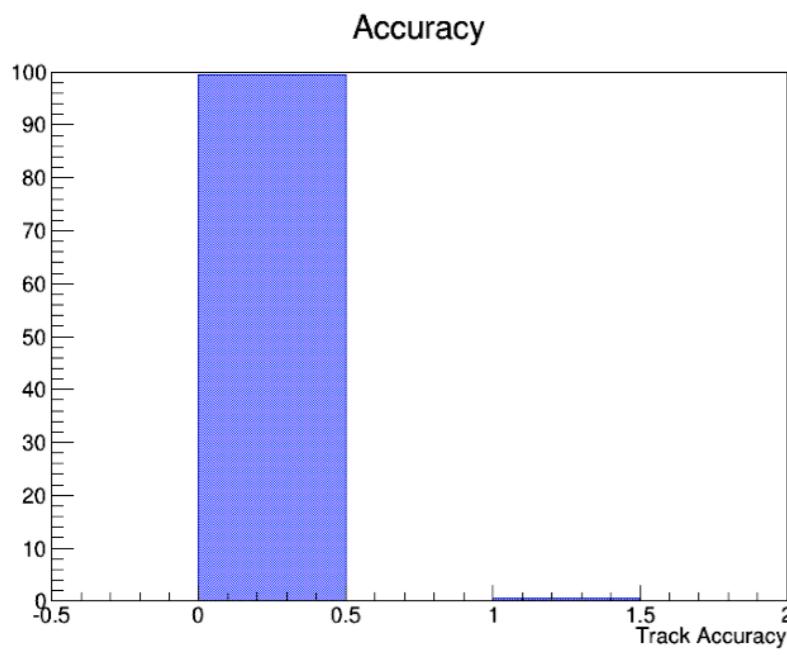
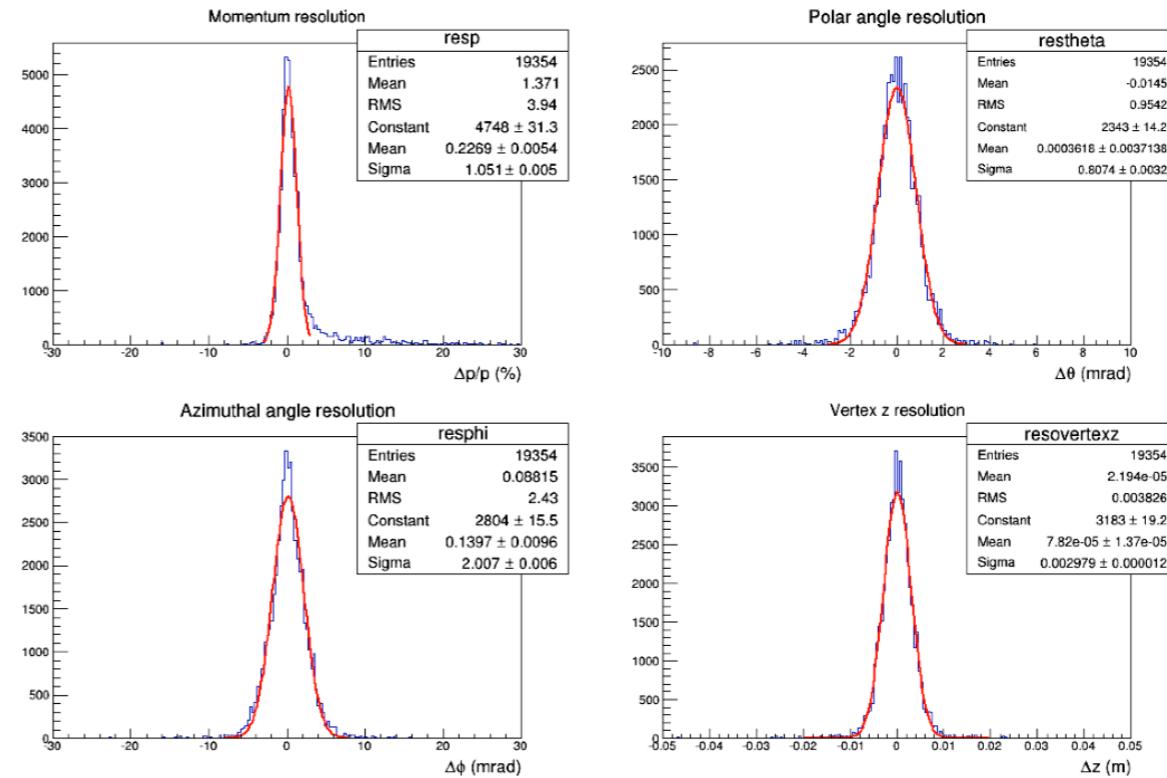
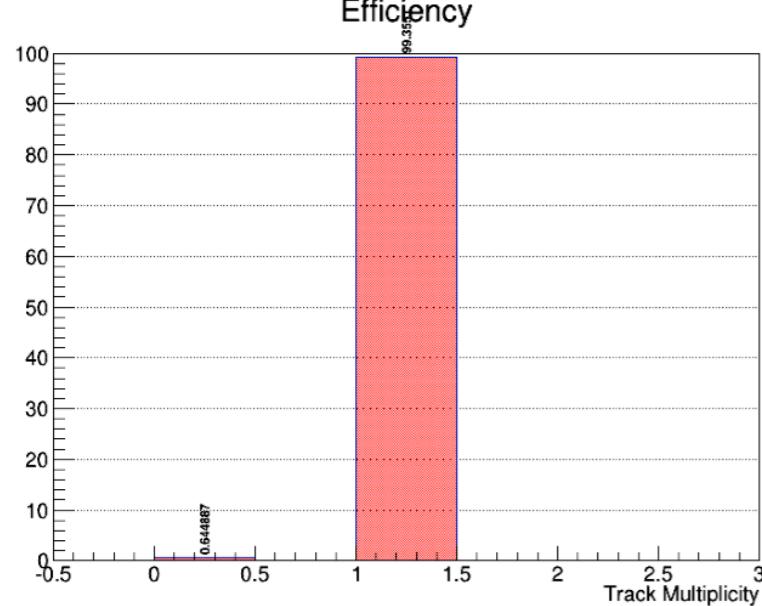
- Same VMM3 setup as PVDIS
  - 50 ns vs 25 ns peaking time
  - 20 ns integration time
  - Only one ADC values per hit



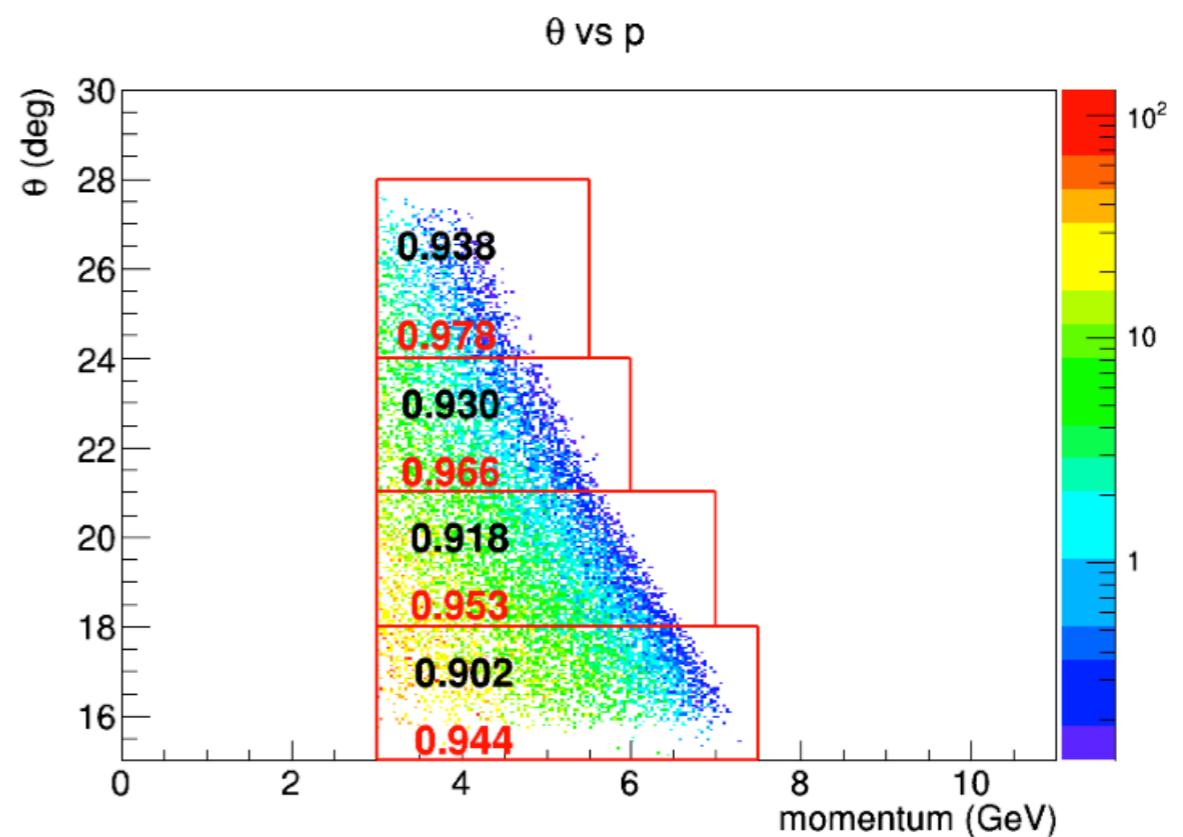
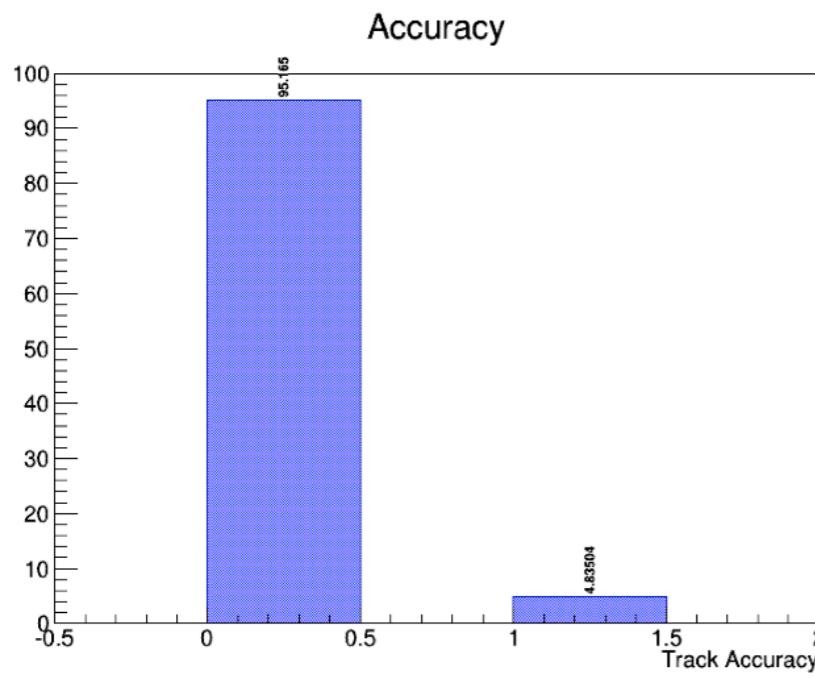
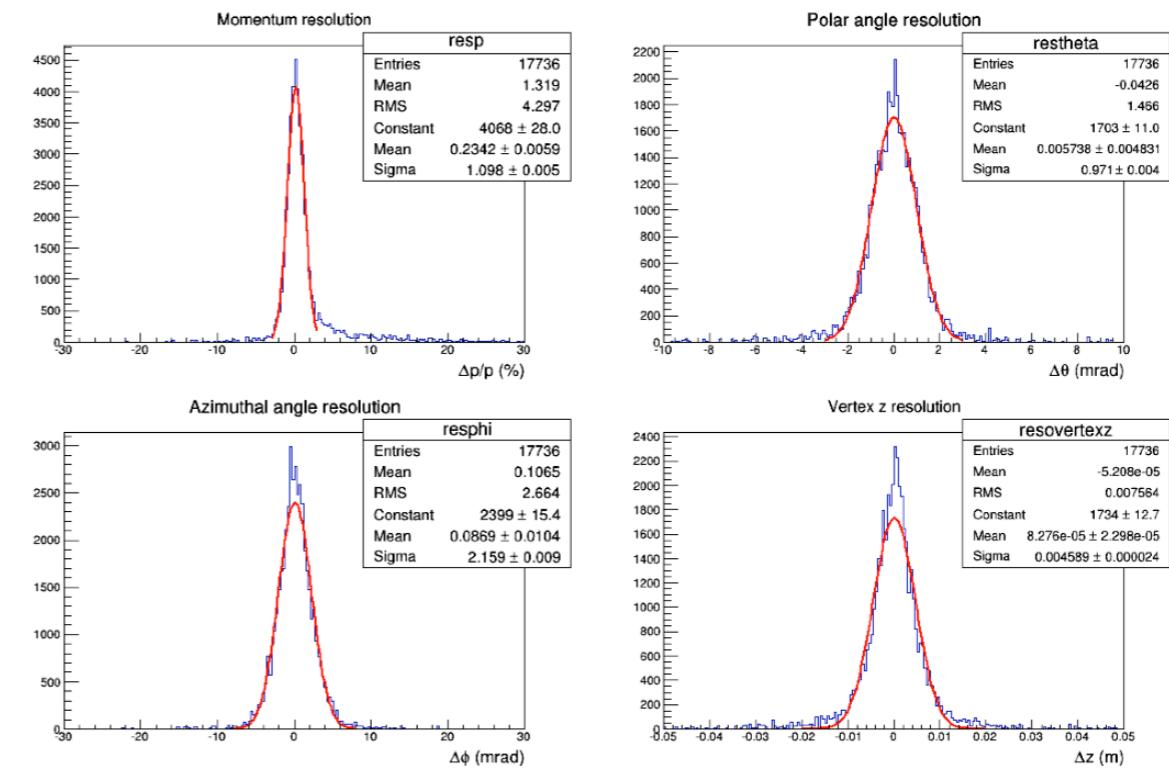
# SIDIS VMM3



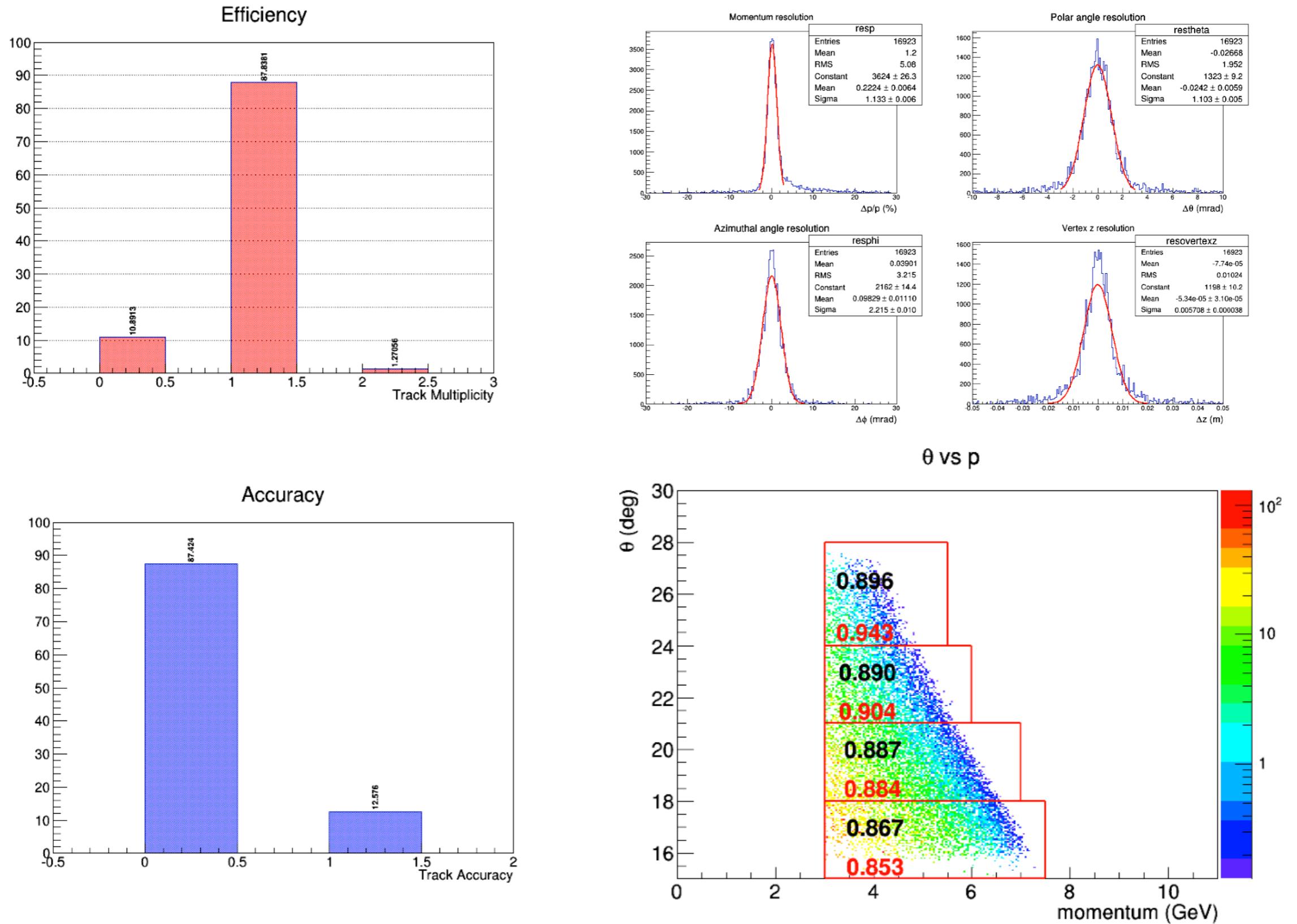
# 50ns peaking LA 0%



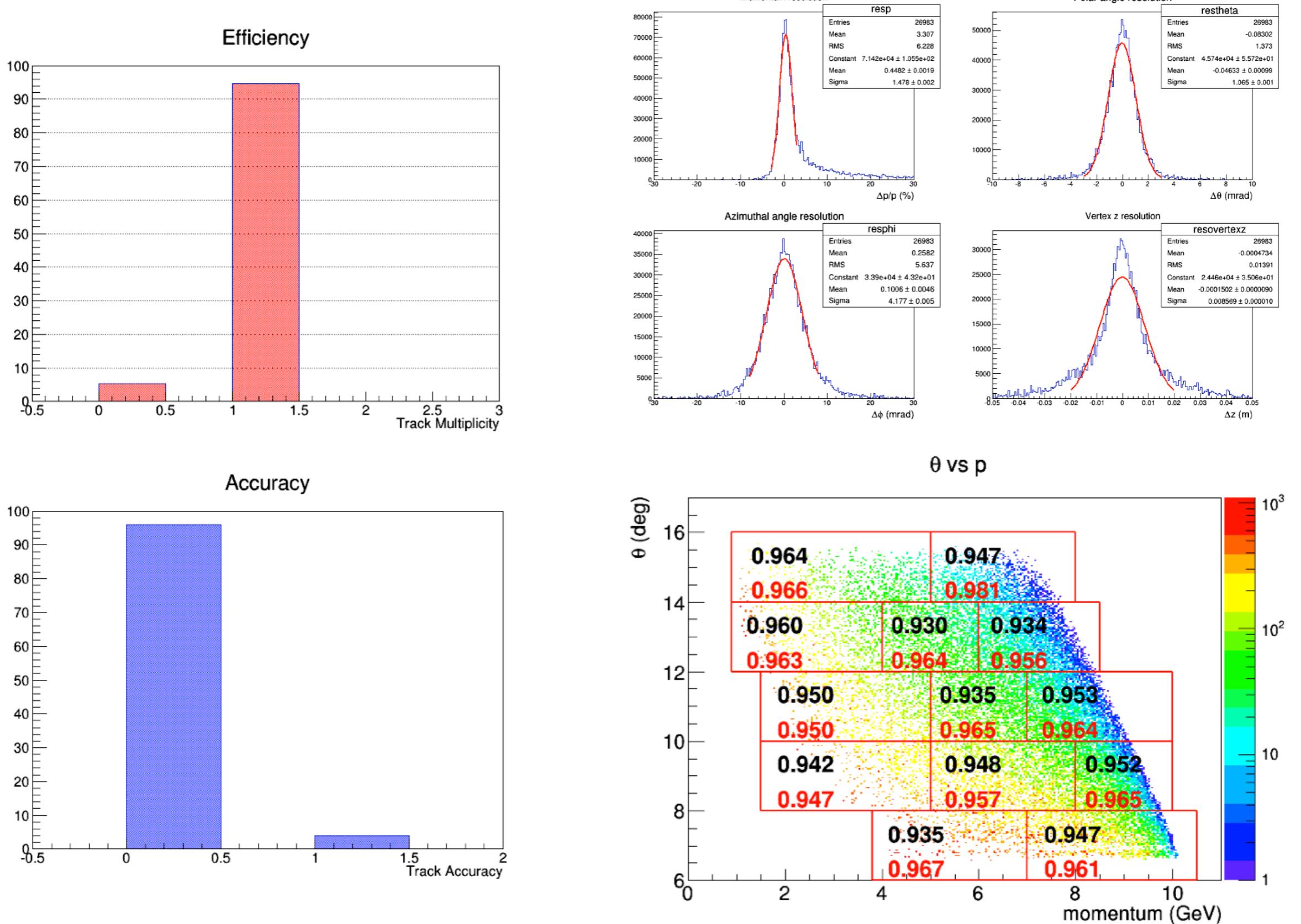
# 50ns peaking LA 50%



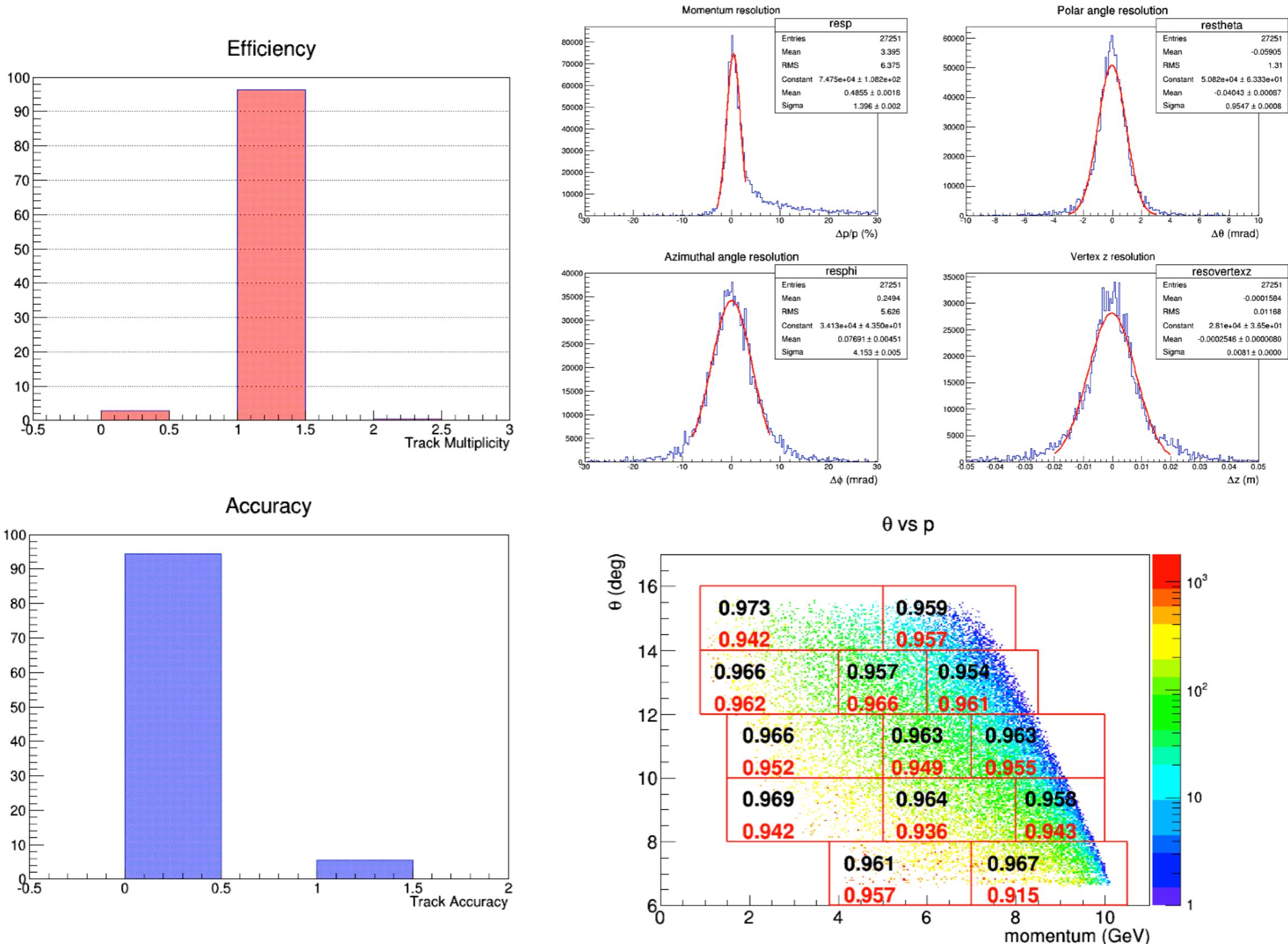
# 50ns peaking LA 100%



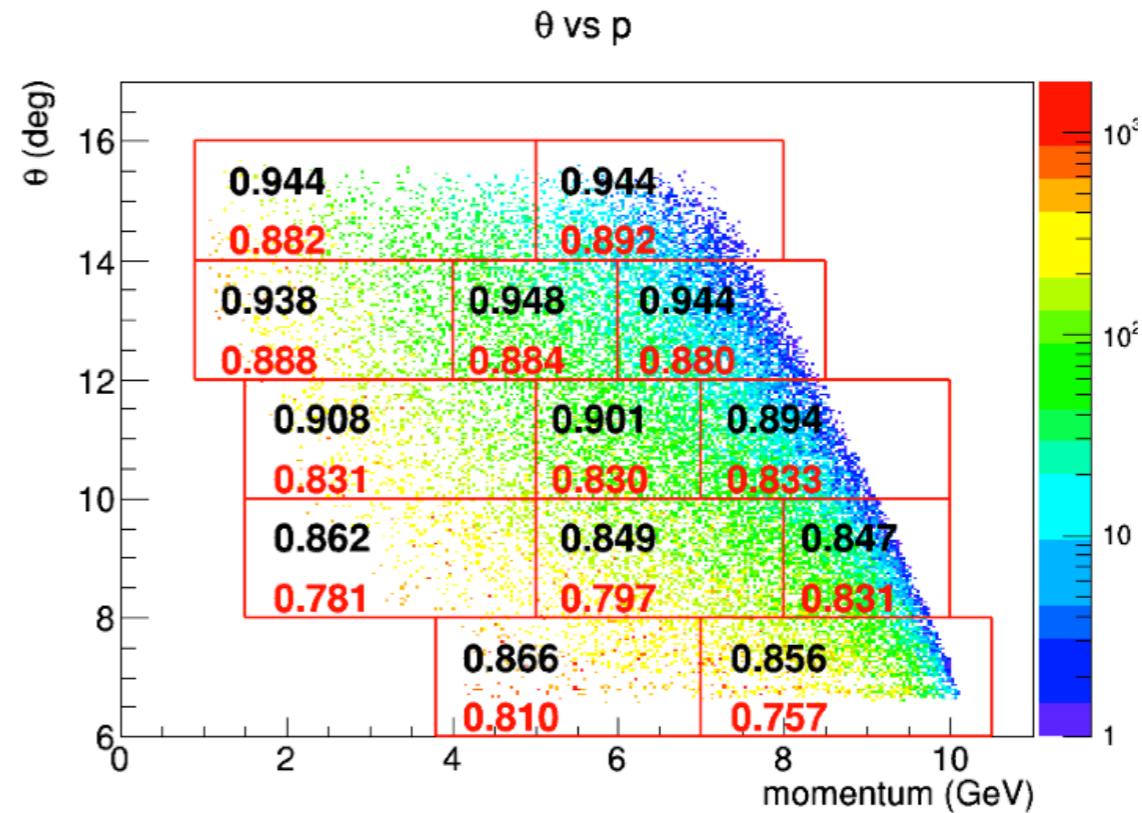
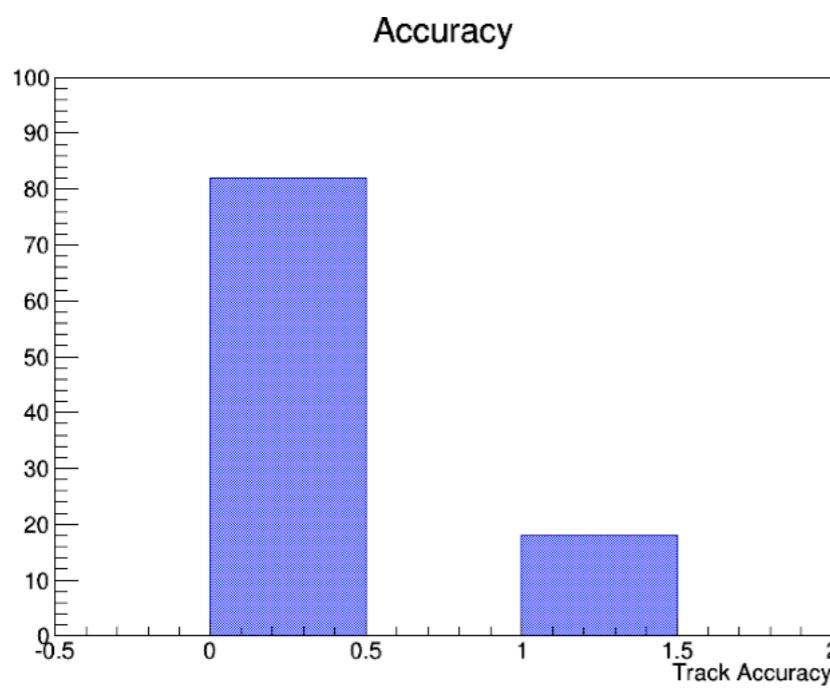
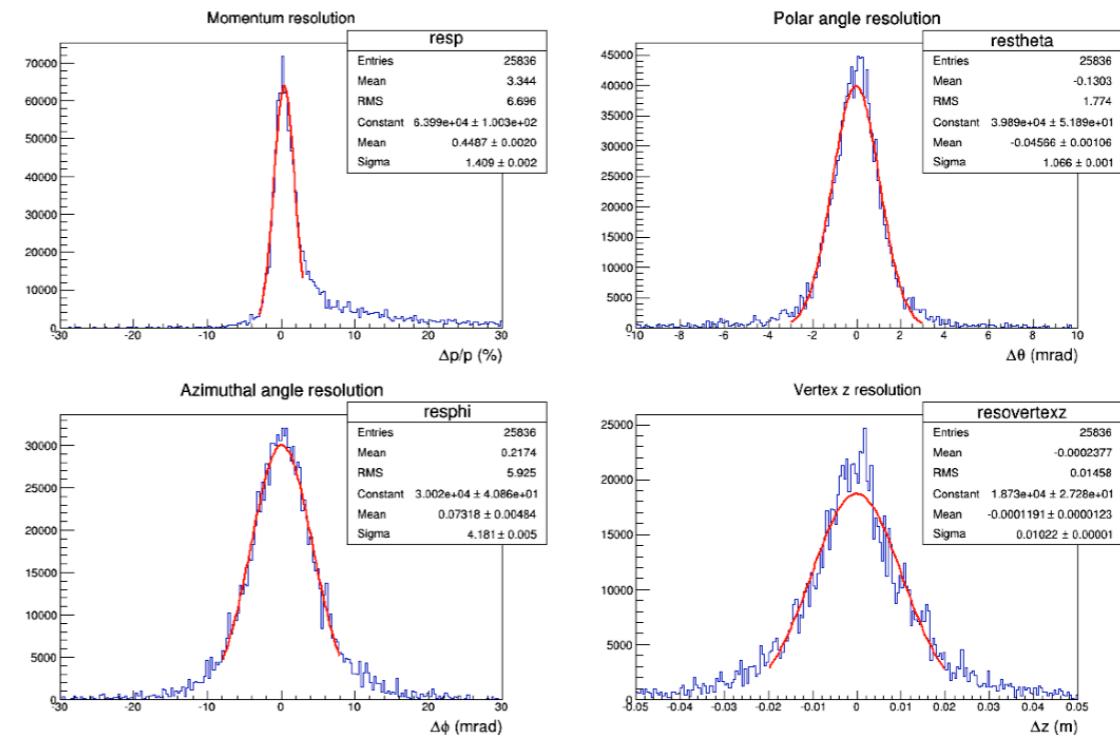
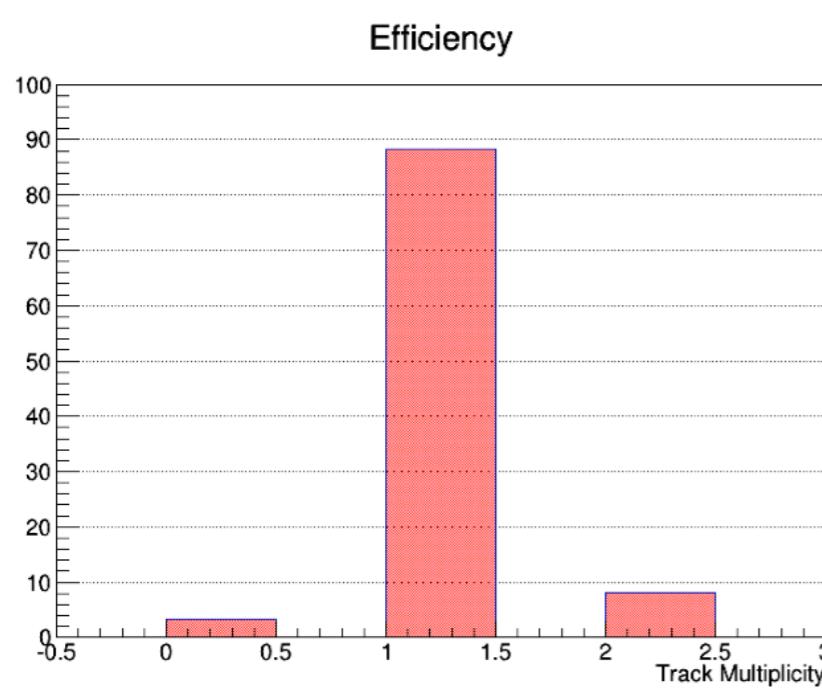
# 50ns peaking FA 0%



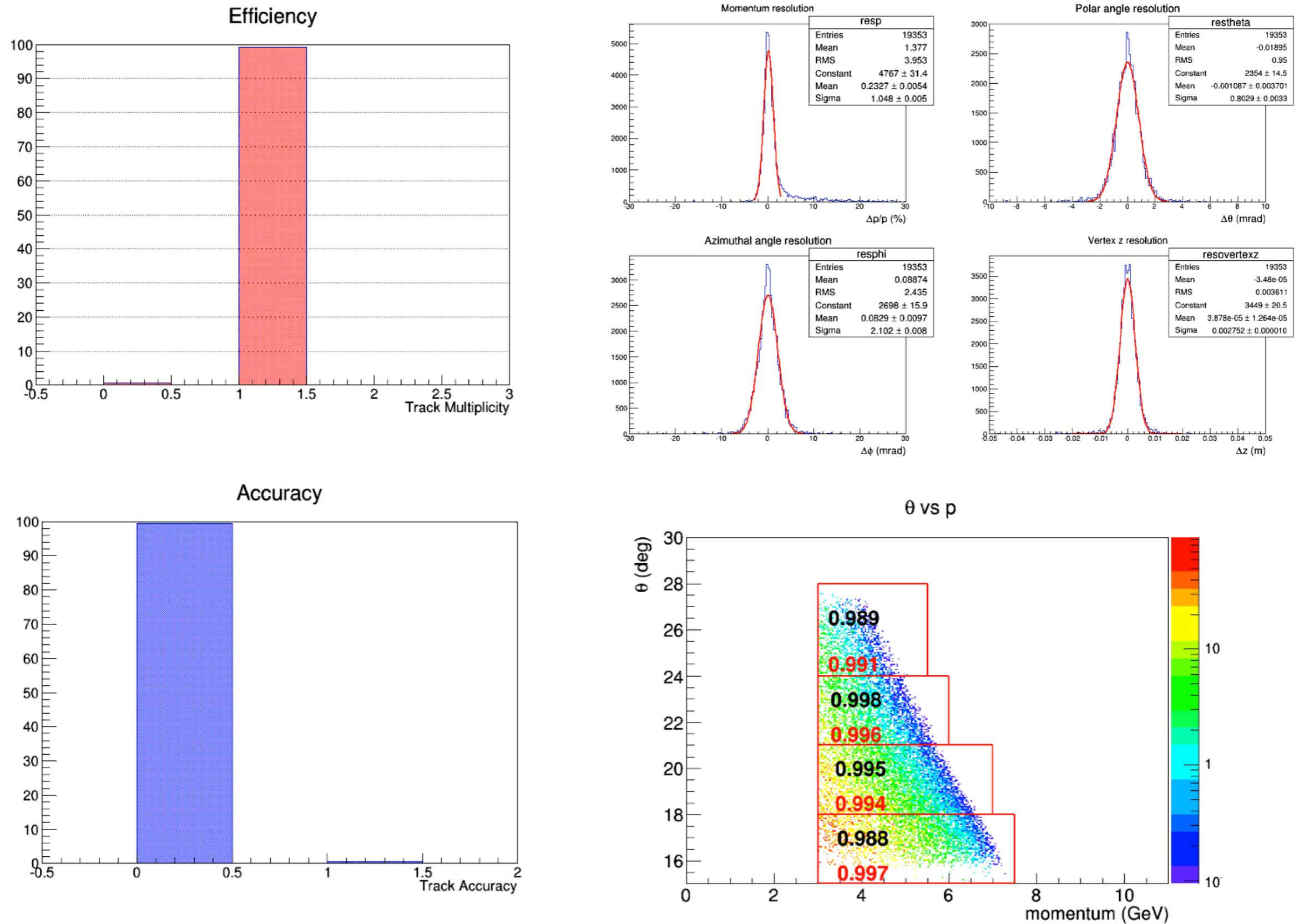
# 50ns peaking FA 50%



# 50ns peaking FA 100%

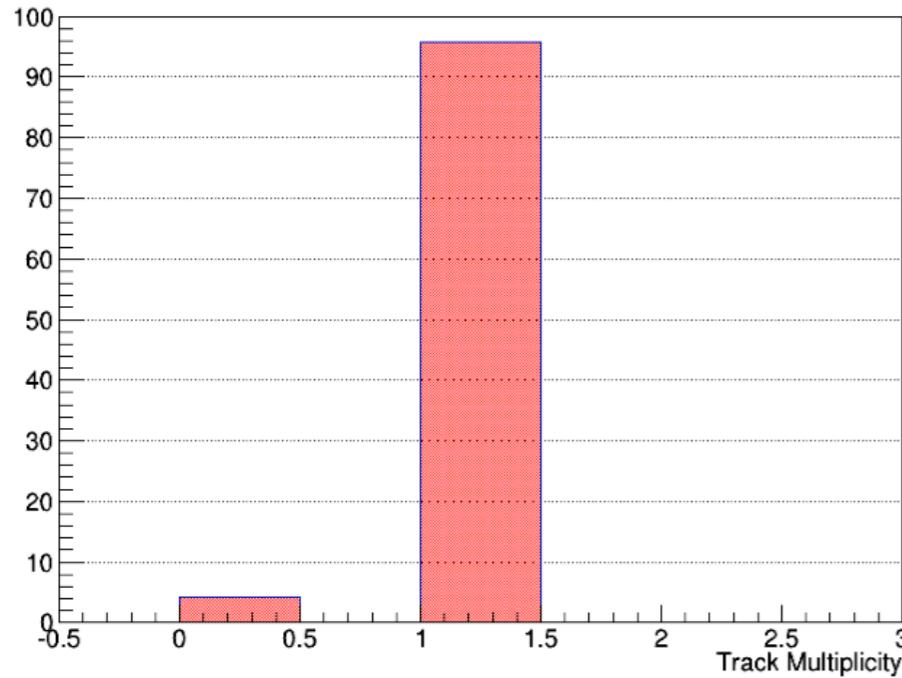


# 25ns peaking LA 0%

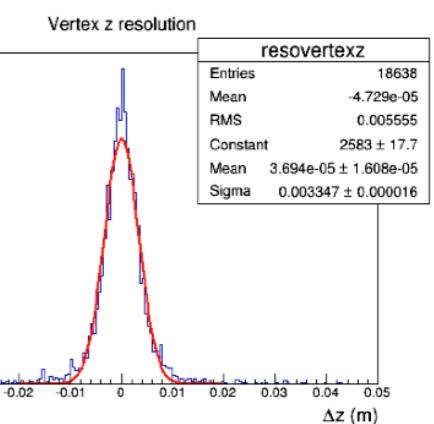
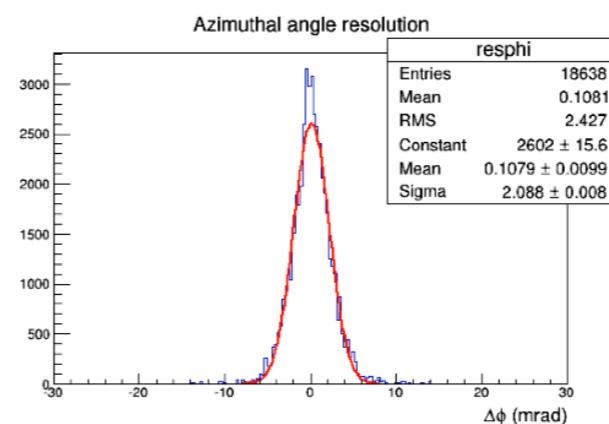
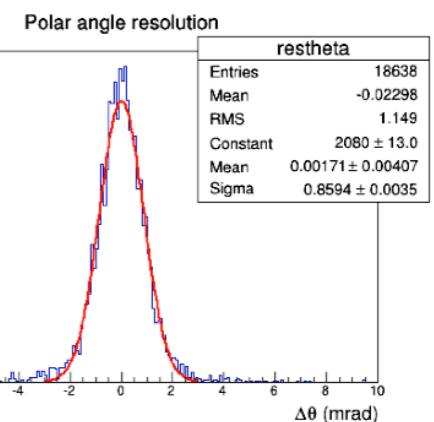
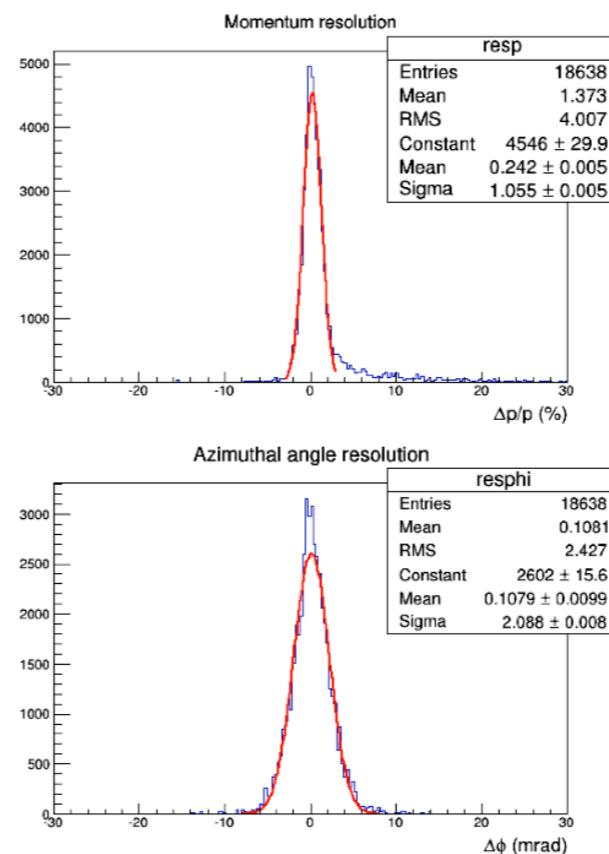


# 25ns peaking LA 50%

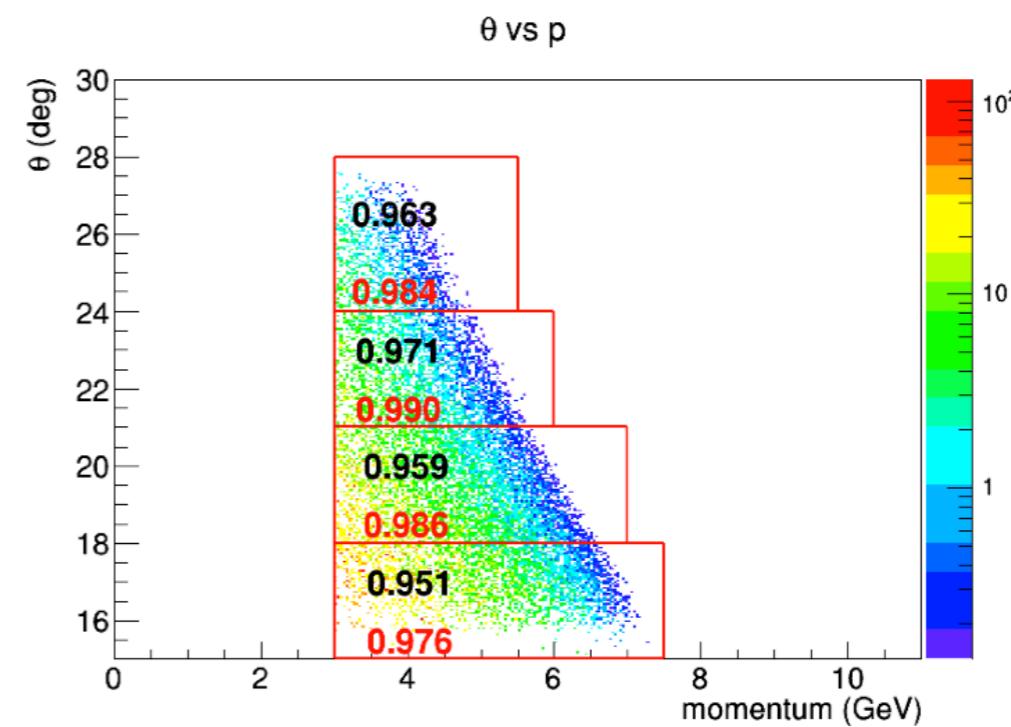
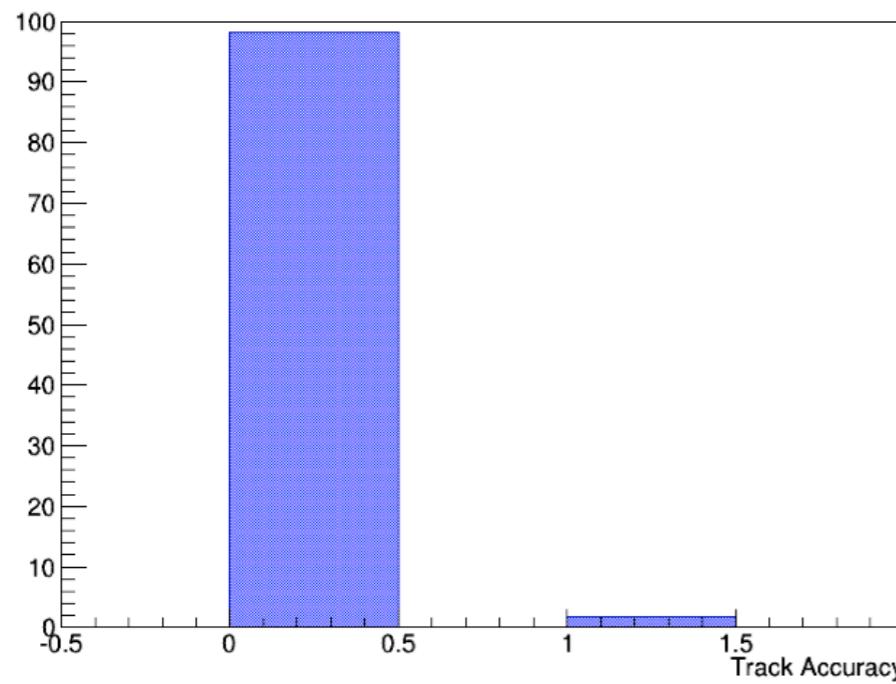
Efficiency



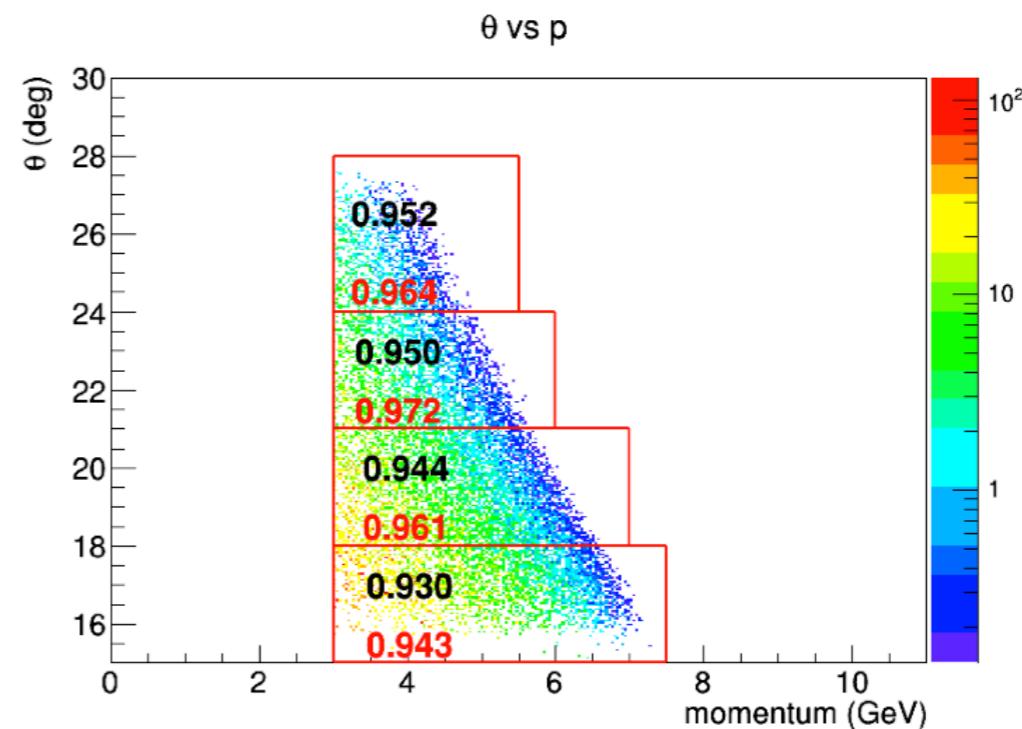
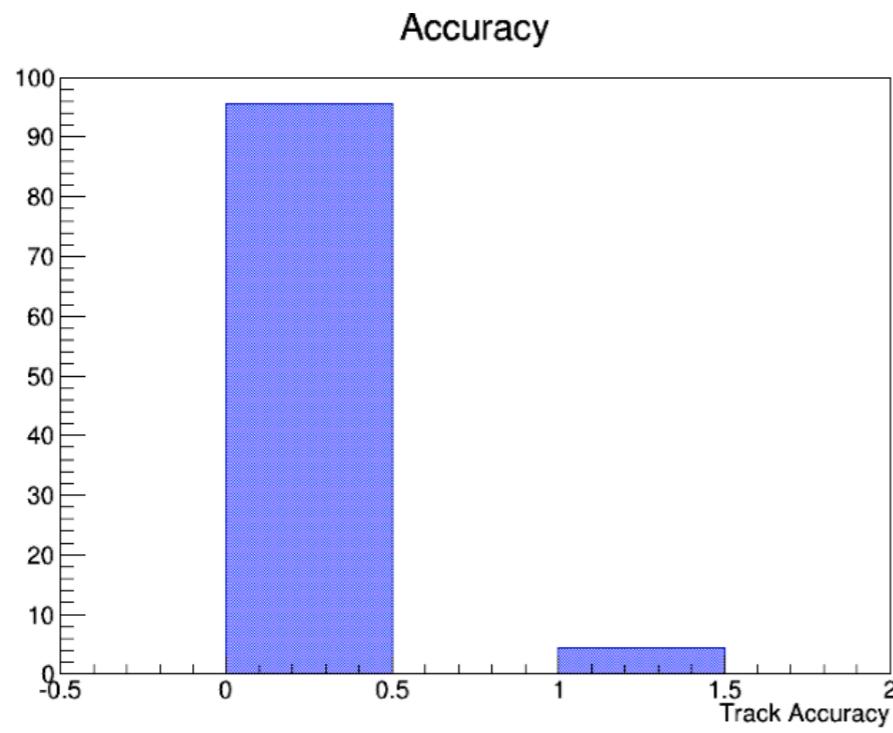
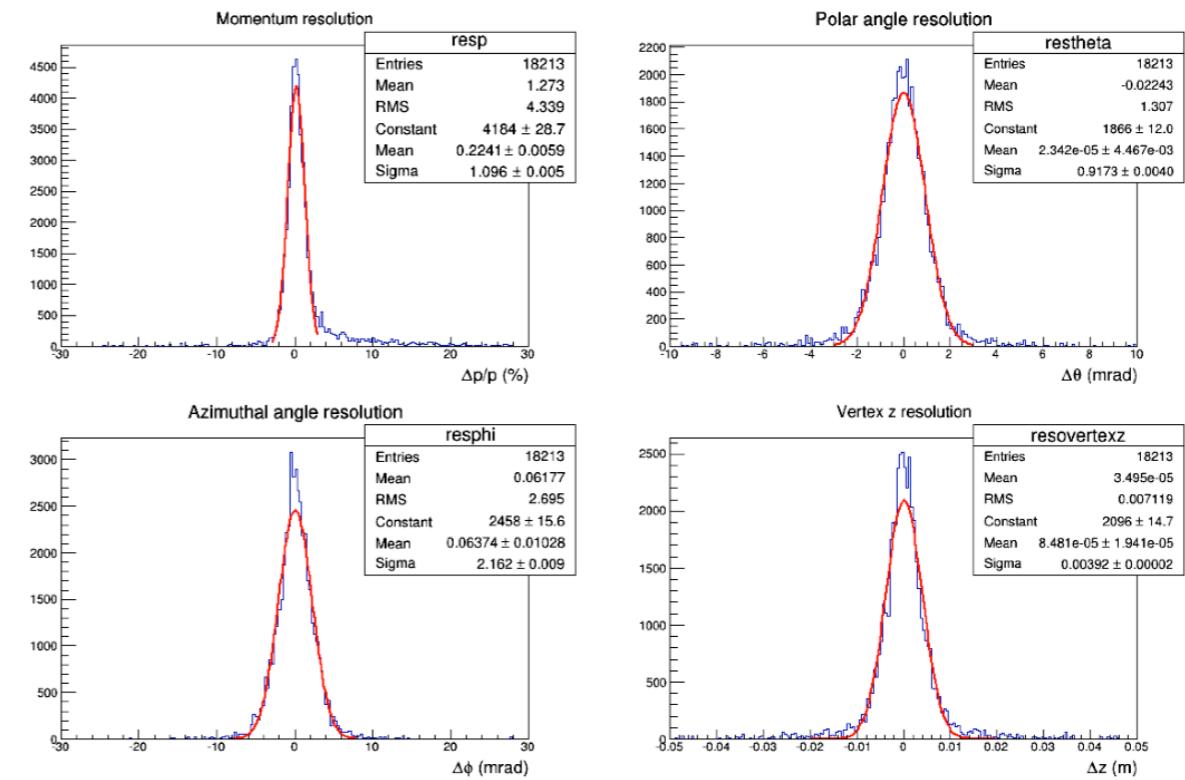
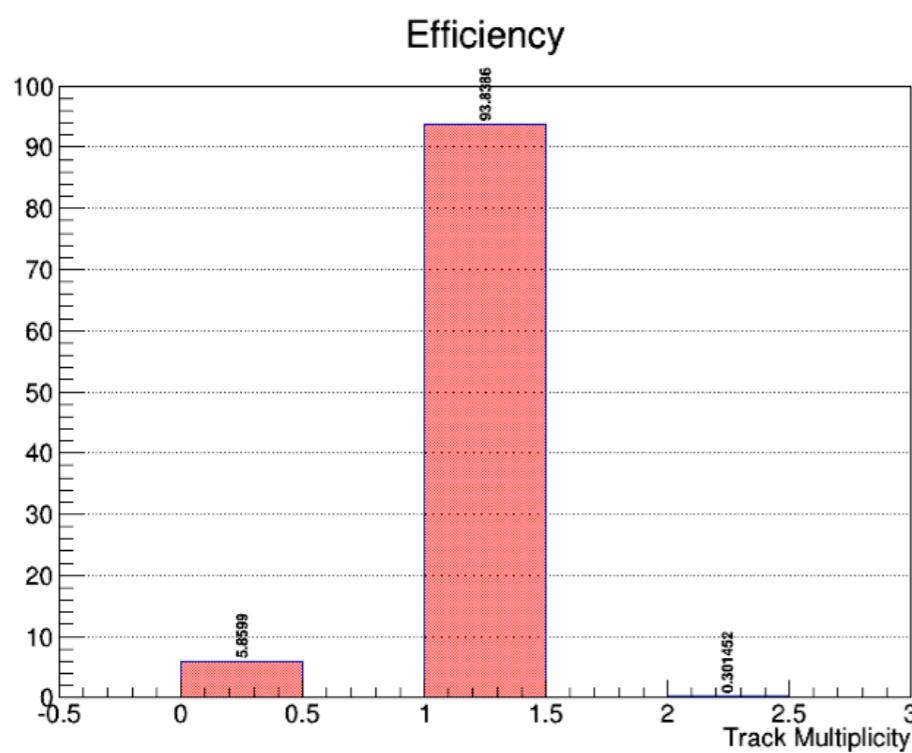
# 25ns peaking LA 50%



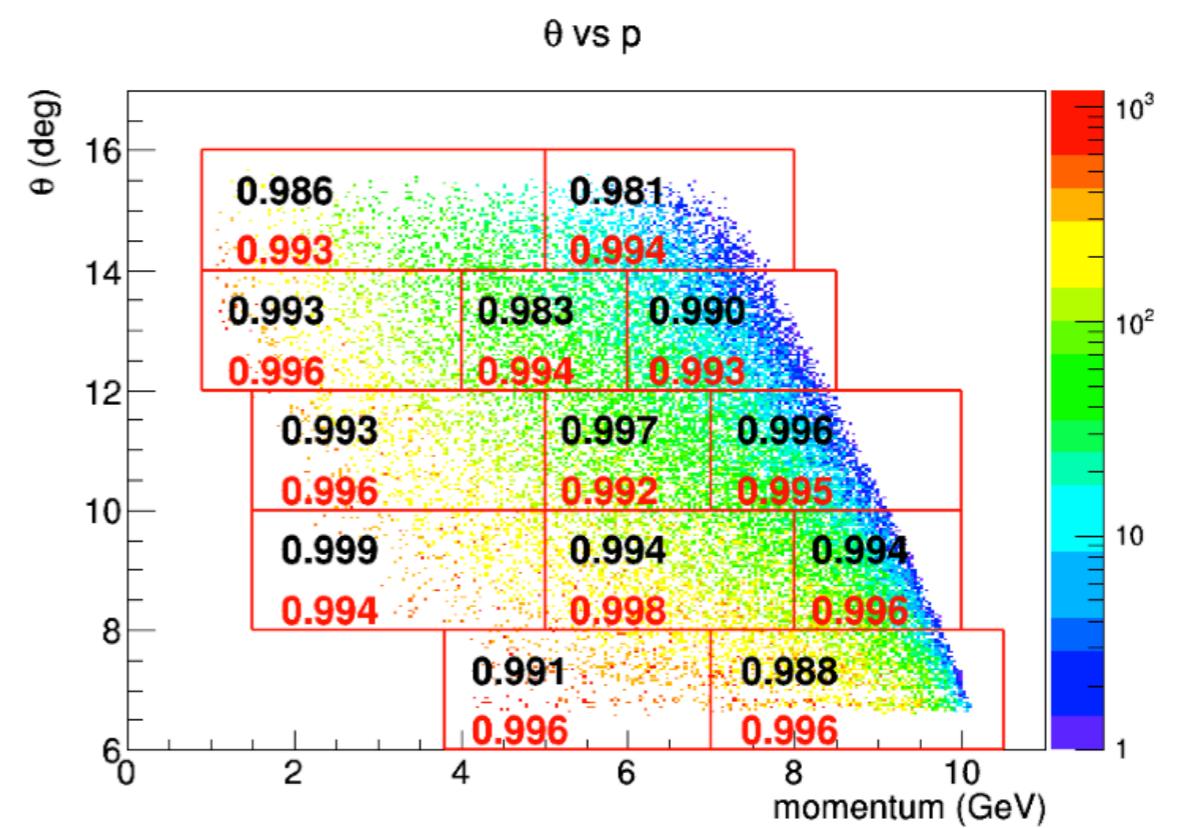
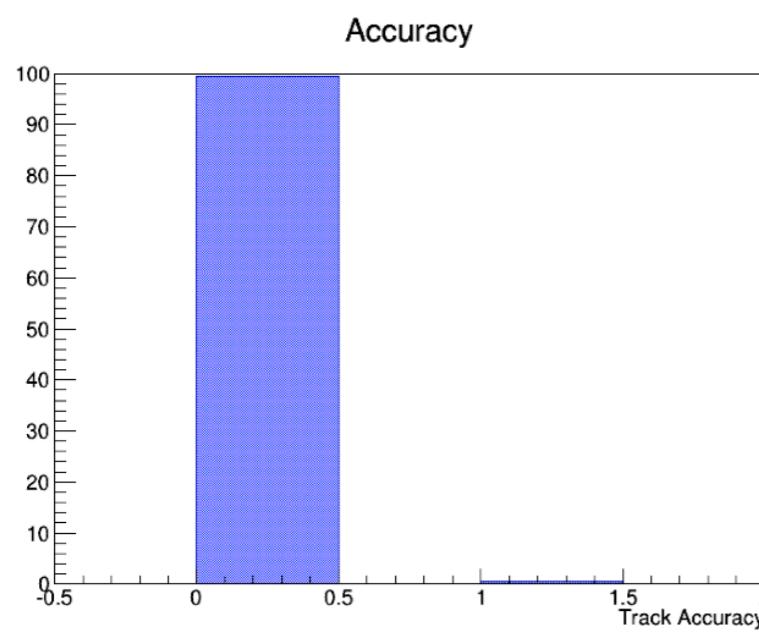
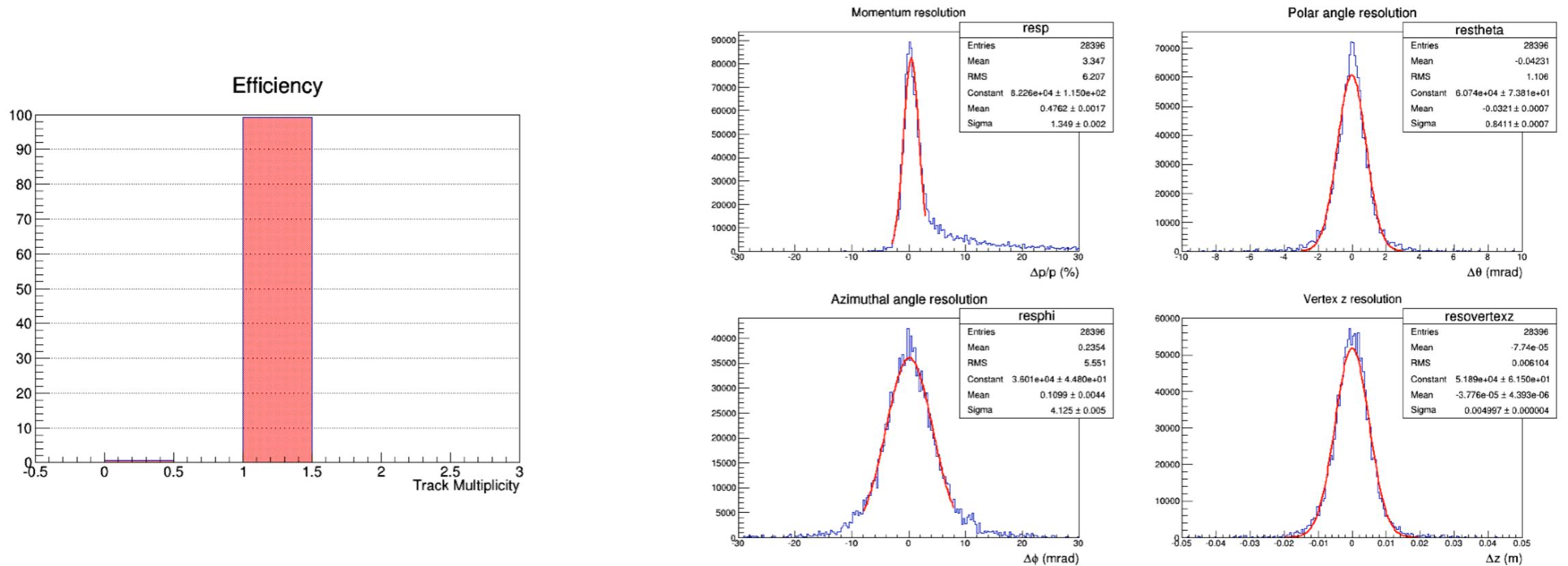
Accuracy



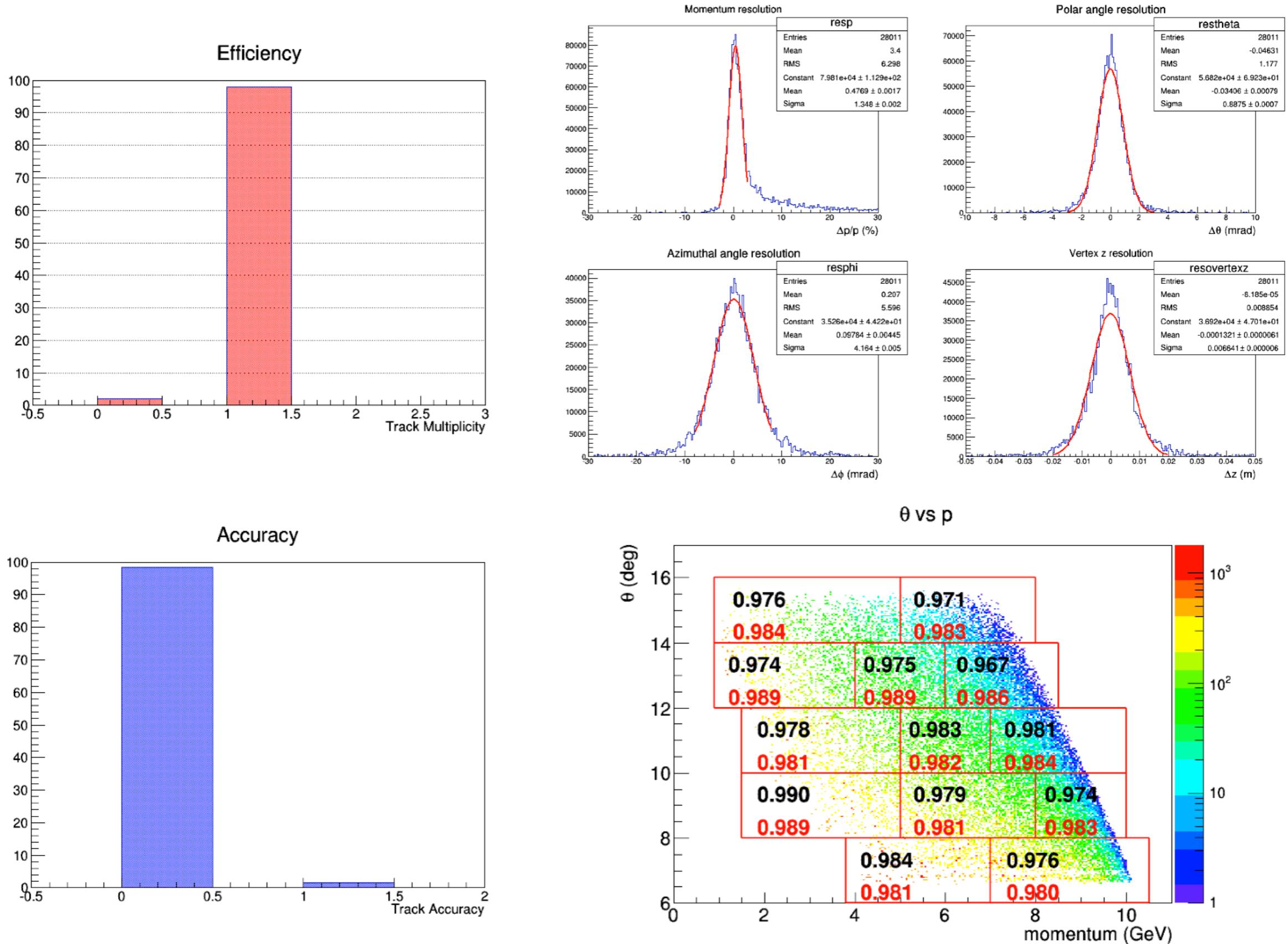
# 25ns peaking LA 100%



# 25ns peaking FA 0%



# 25ns peaking FA 50%



# 25ns peaking FA 100%

