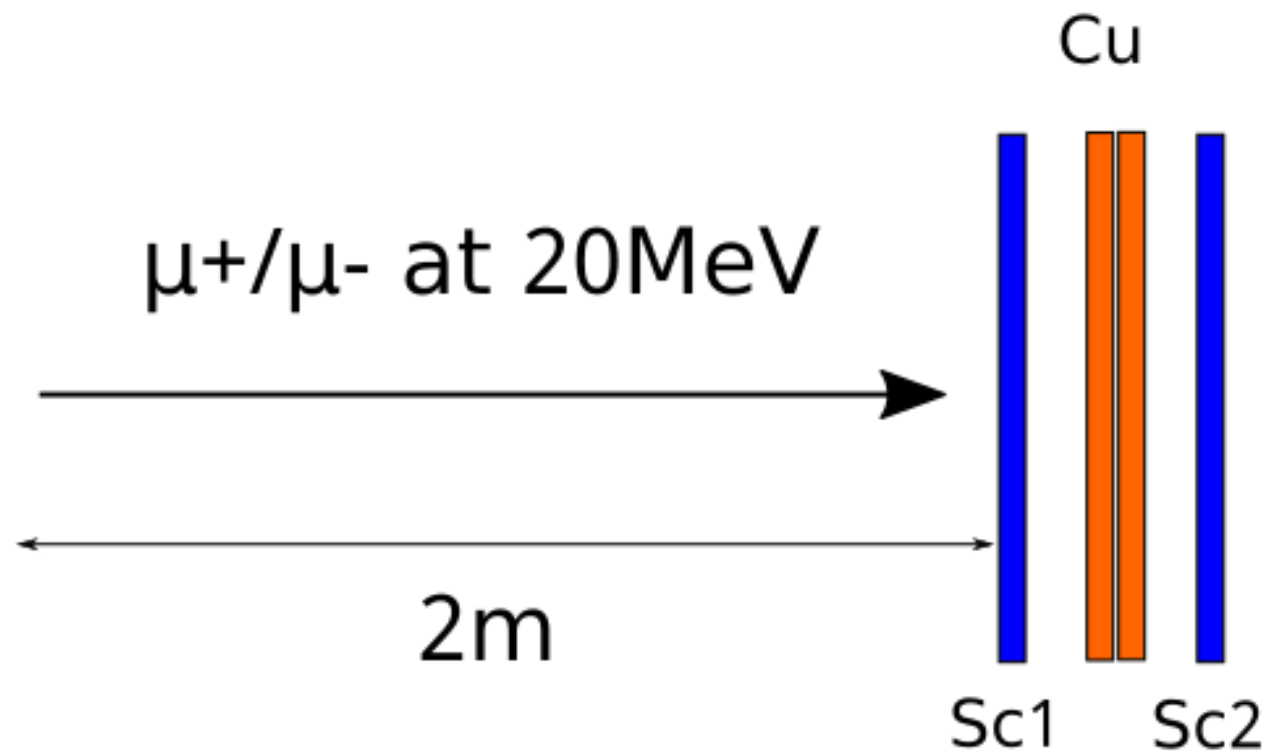
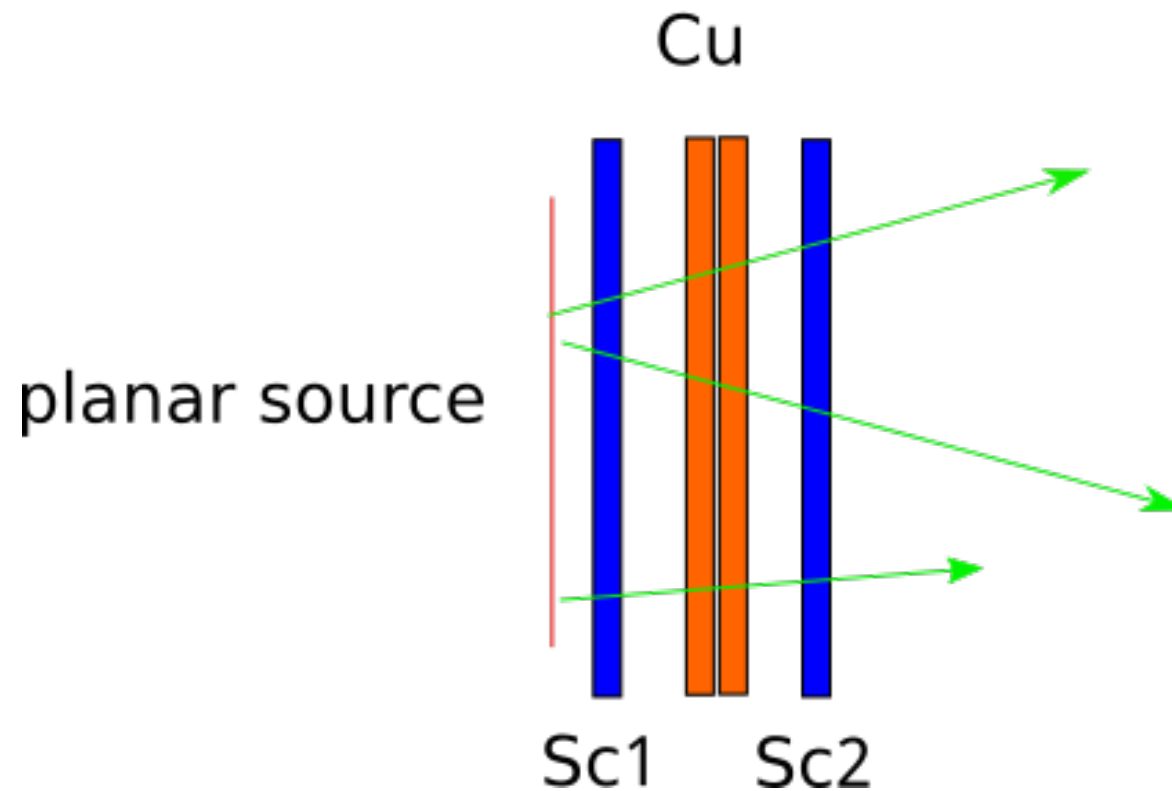


# Old

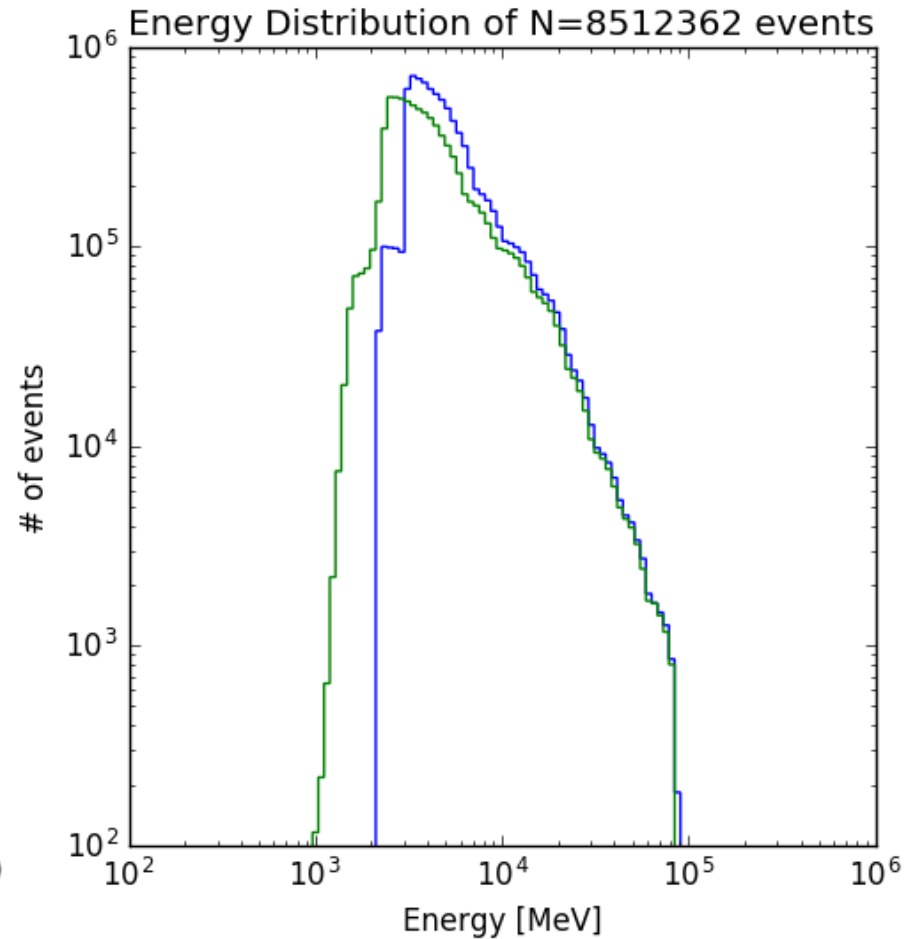
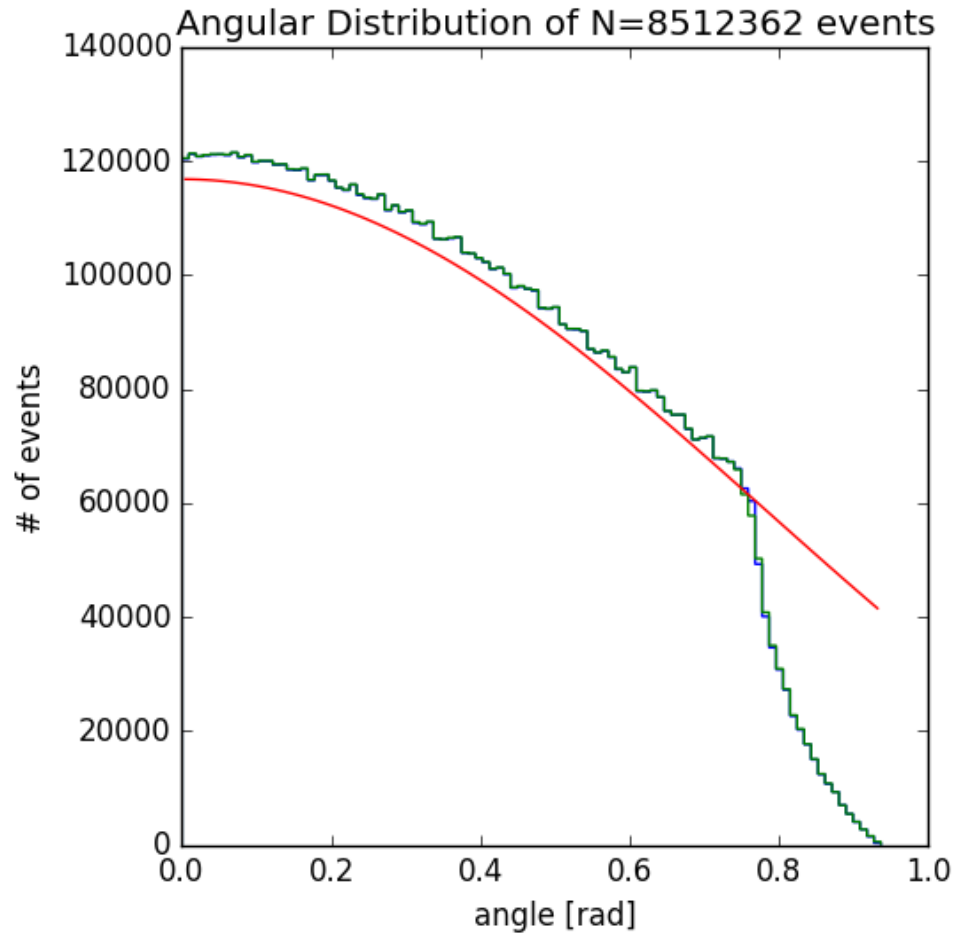


# New

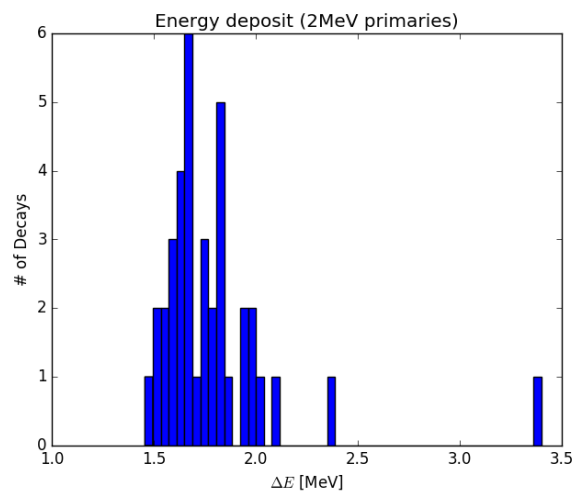
atmospheric  $\mu^+/\mu^-$



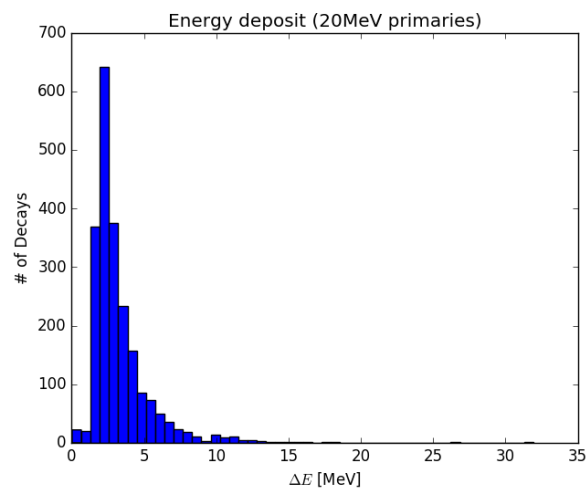
# Concrete



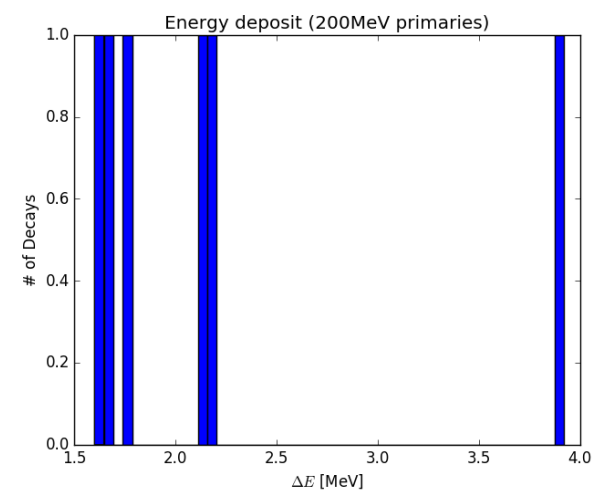
# Energy range



2MeV  
N=38

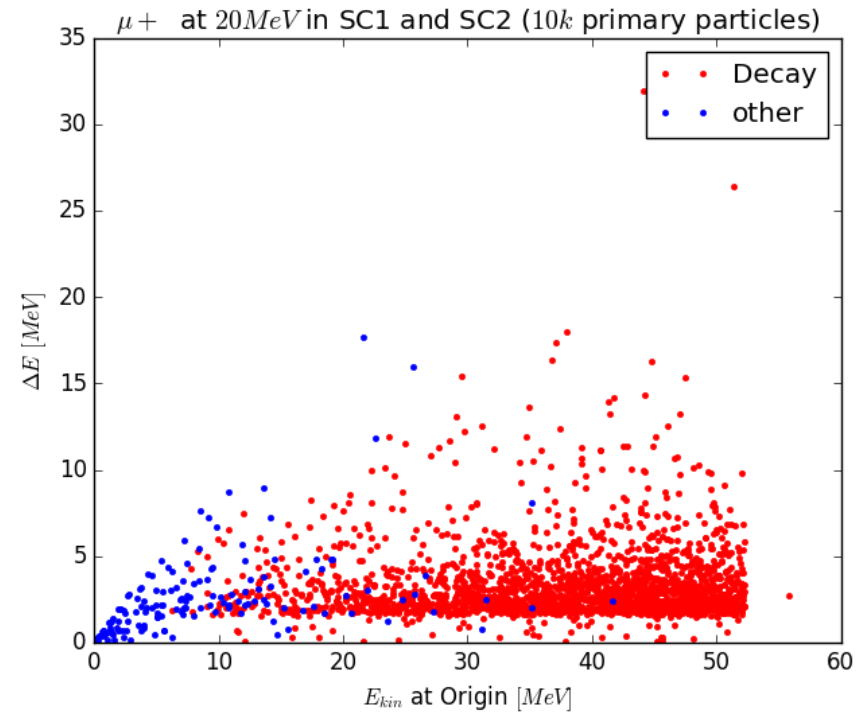
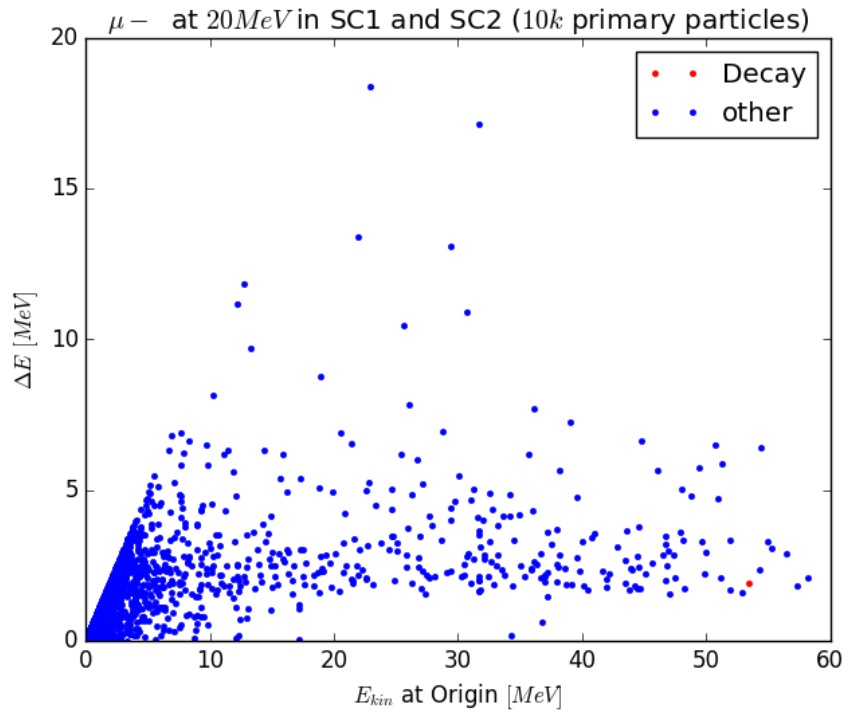


20MeV  
N=2174

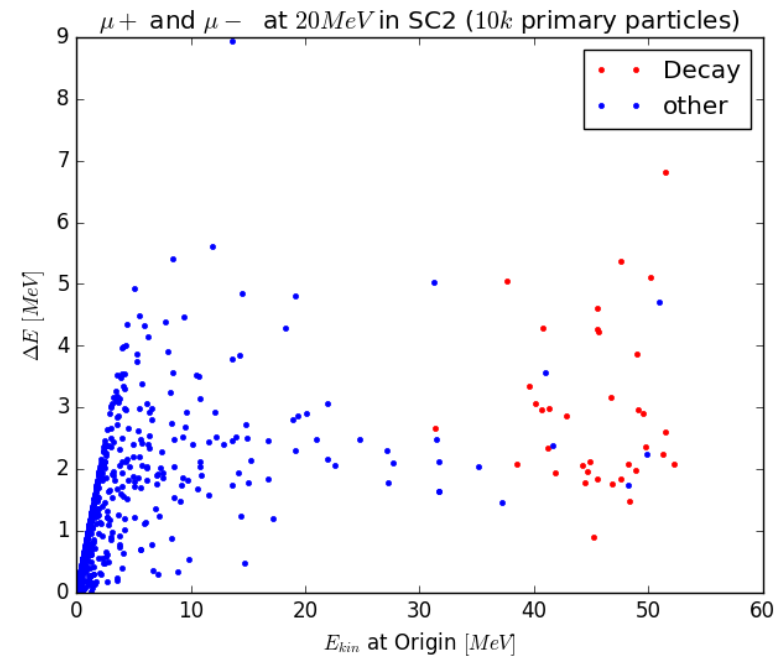
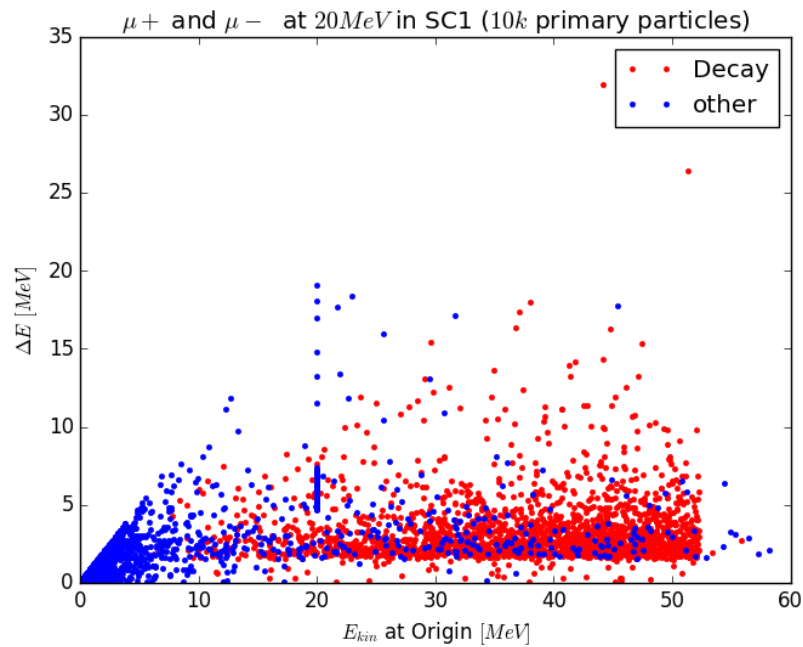


200MeV  
N=6

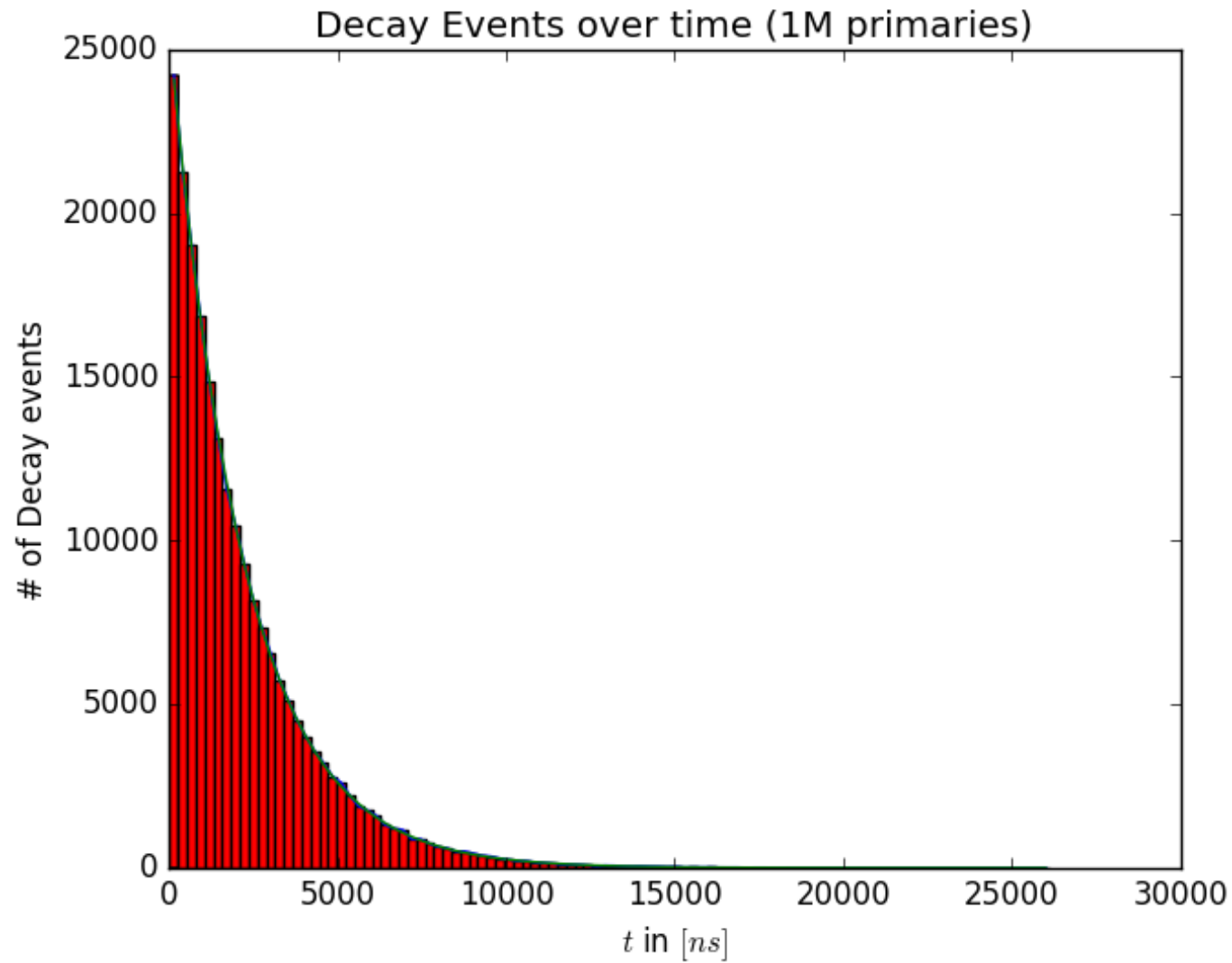
# Positive vs. Negative Muons



# Upper(SC1) vs. lower(SC2) scintillator



# Decay



→  $T = 2,185\mu s$ , Abweichung  $\sim 0,5\%$