



University
of Regina

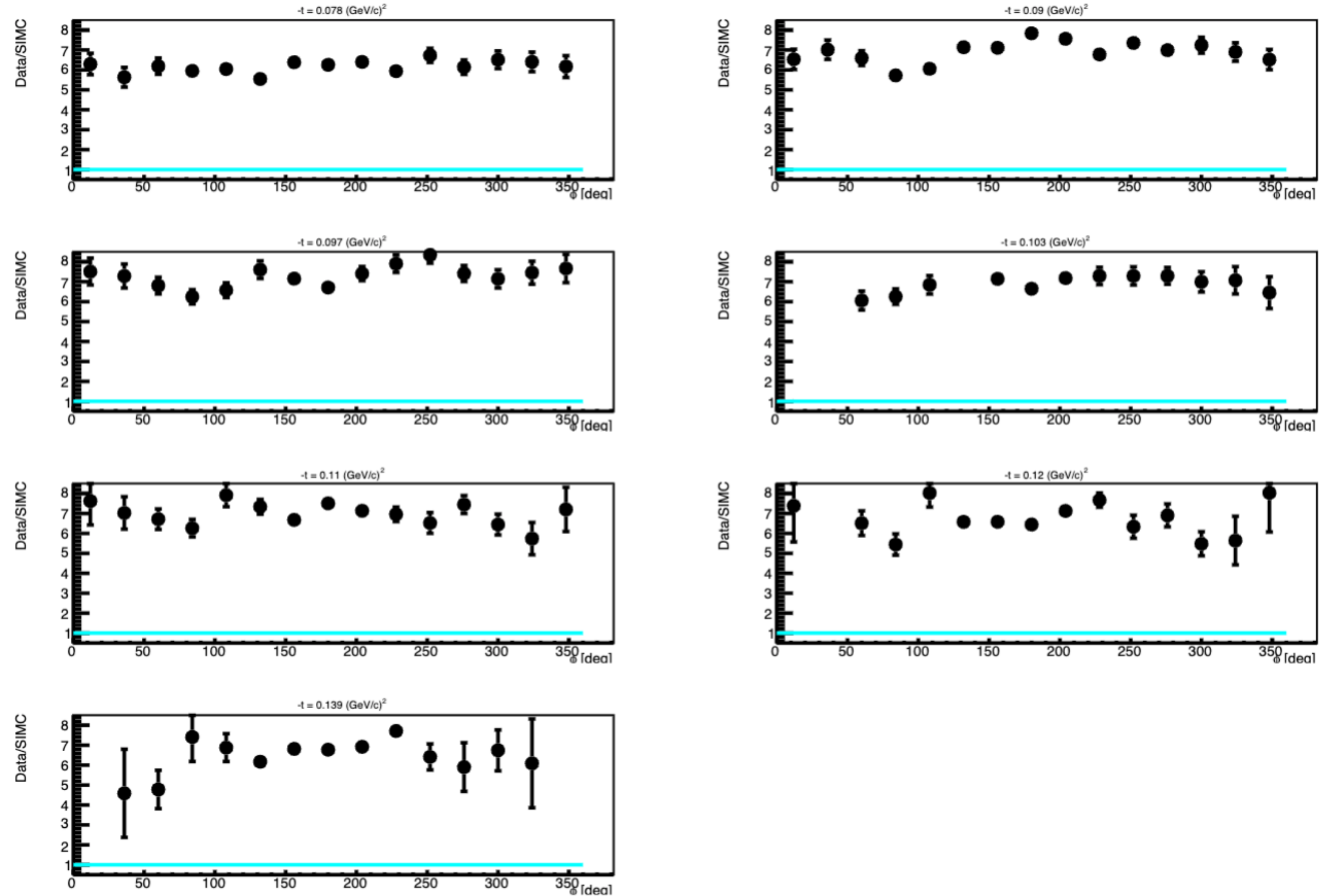
Kaon L,T, LT, TT Model Optimization - Towards Data/SIMC ~ 1 -

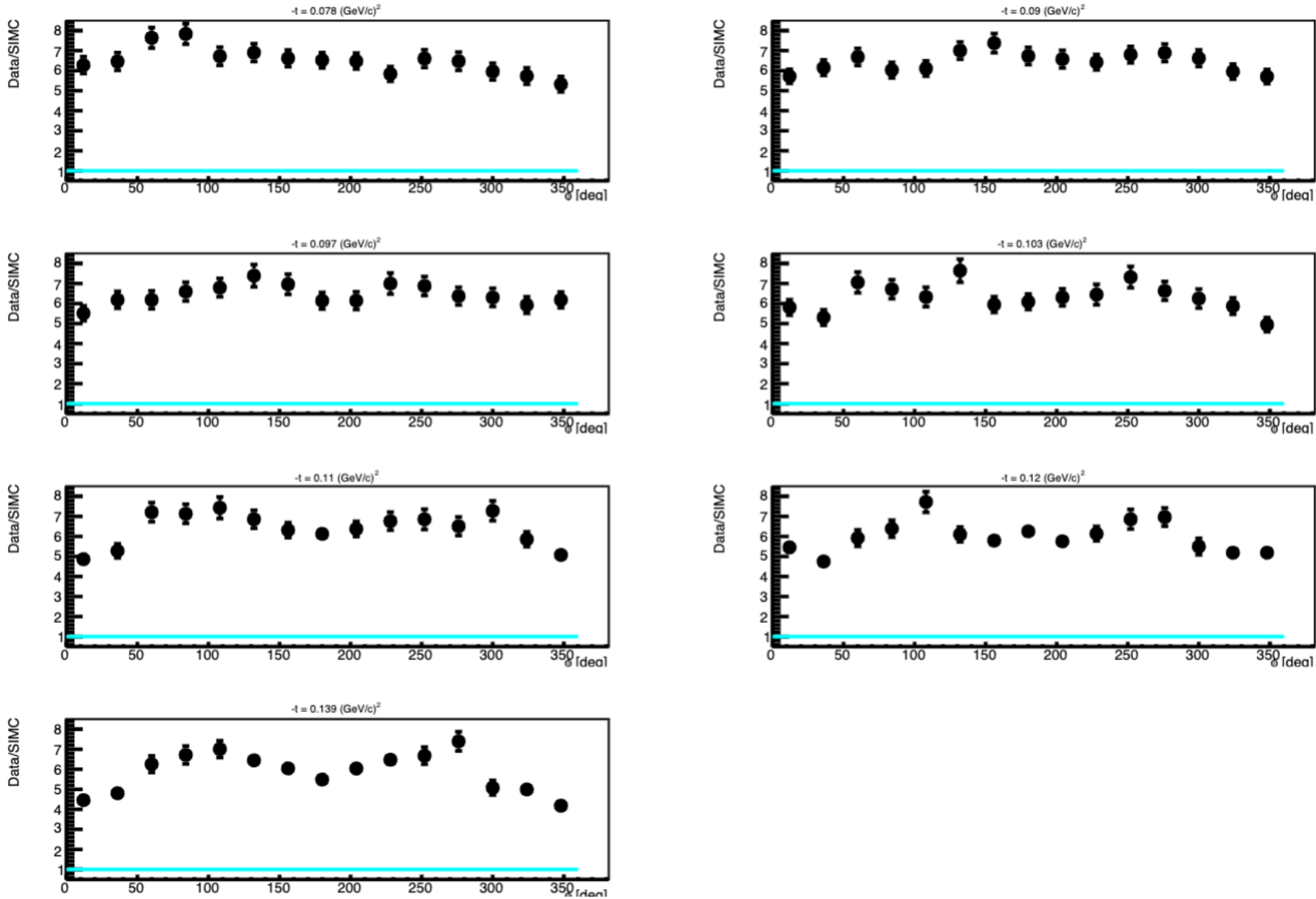
Abdennacer Hamdi

KaonLT Meeting
2025/10/31

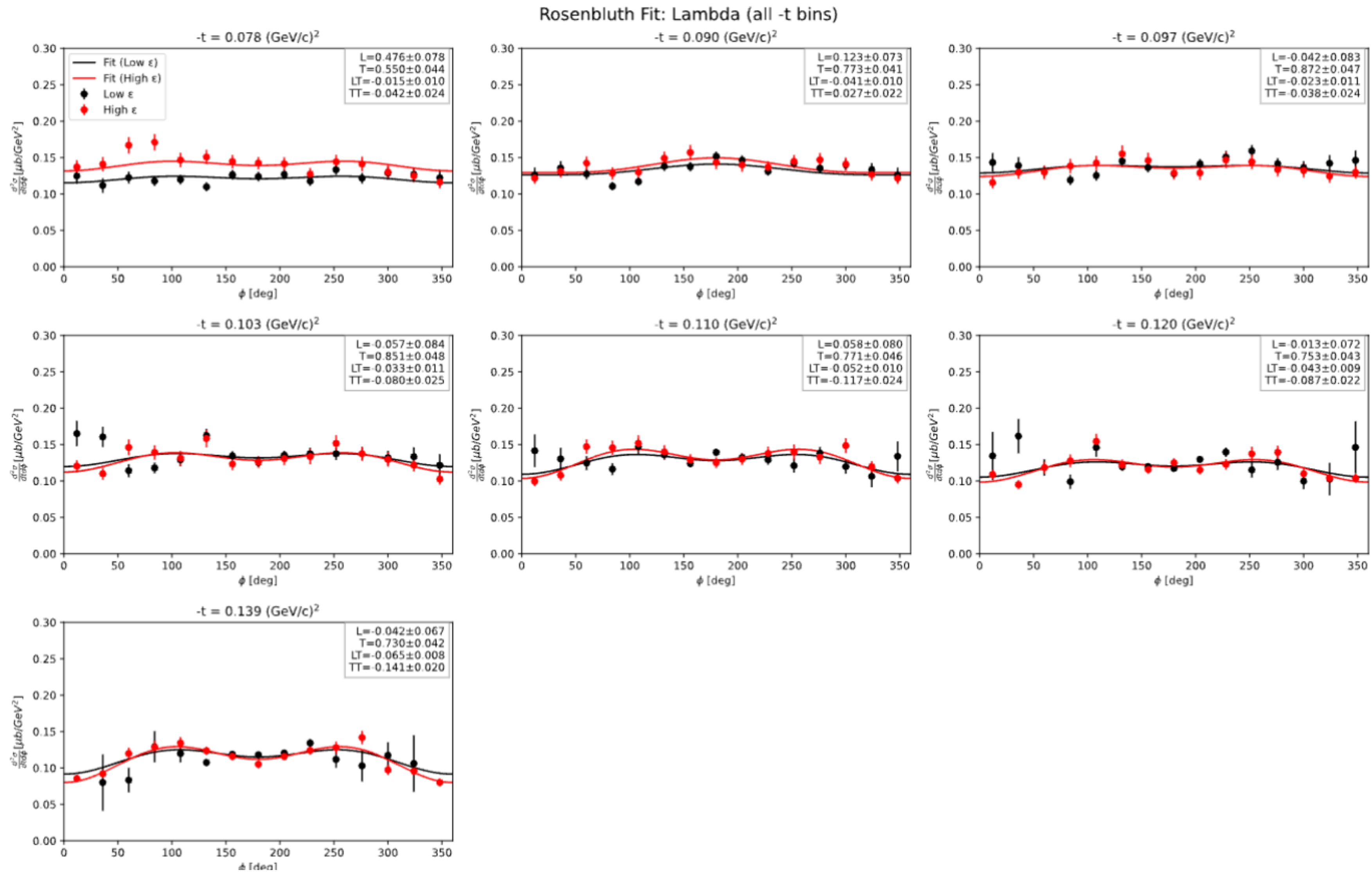
Lambda

Initial parameters
Factorized 2007
 $\text{sigLT} = \text{sigTT} = 0$

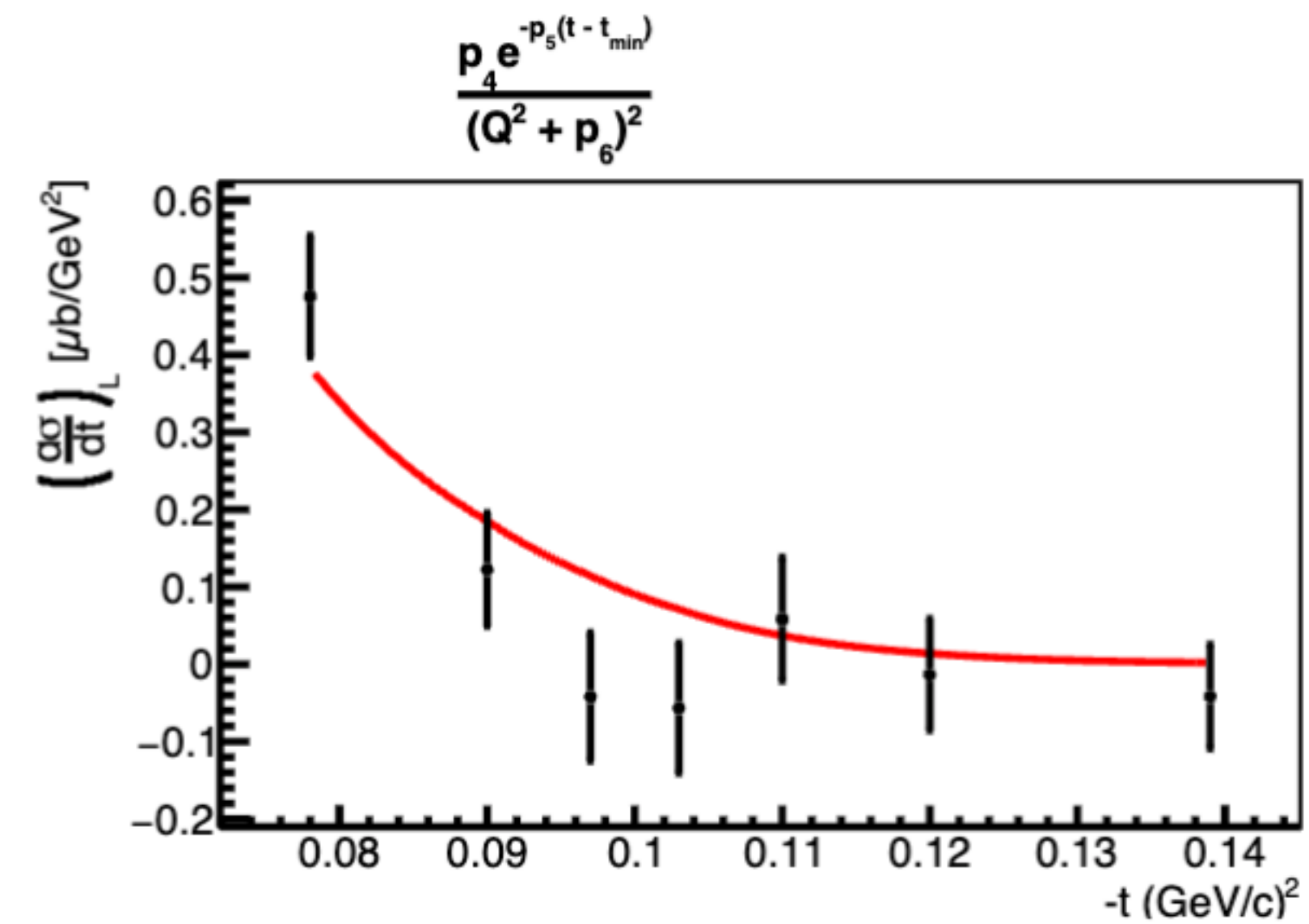
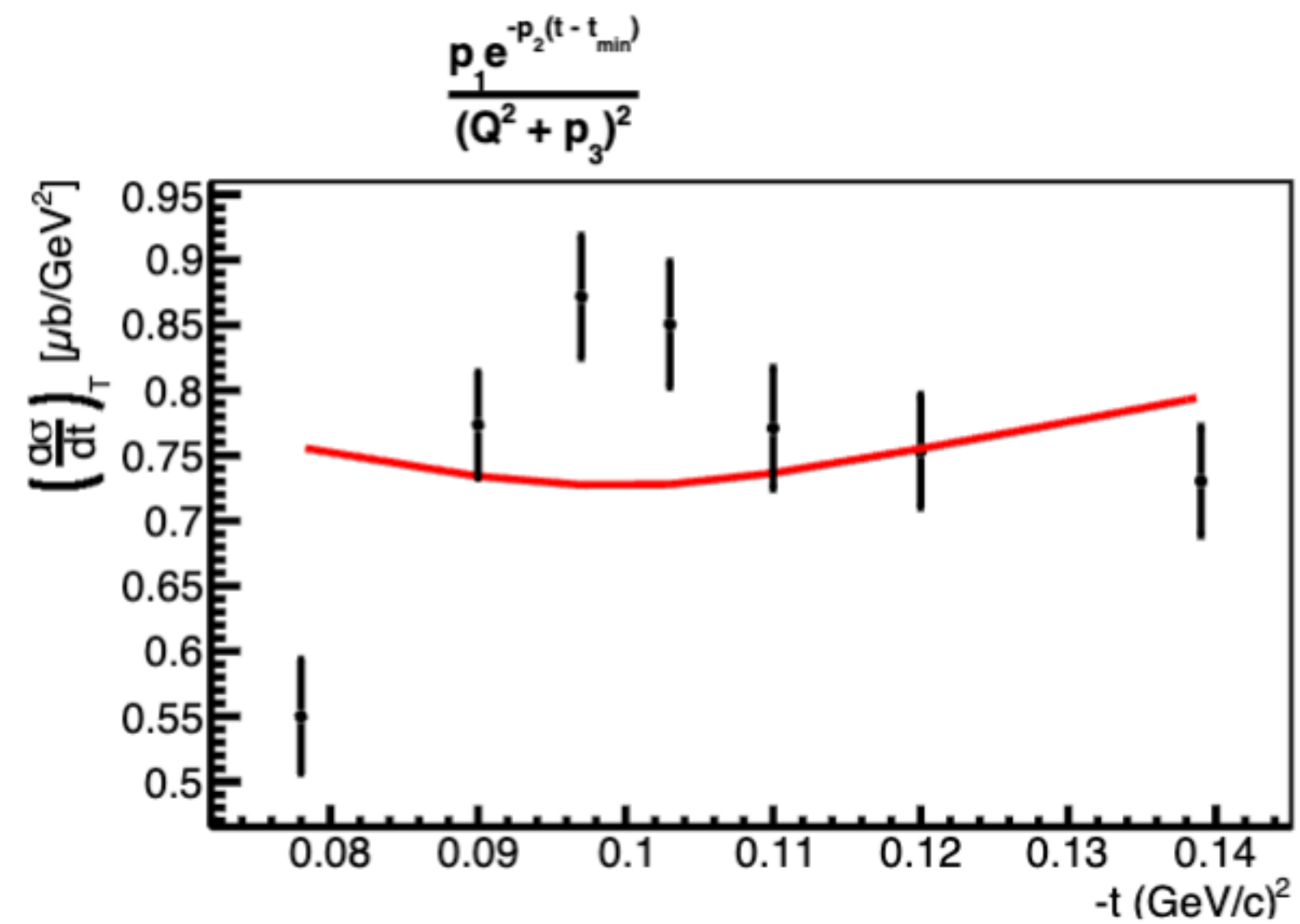




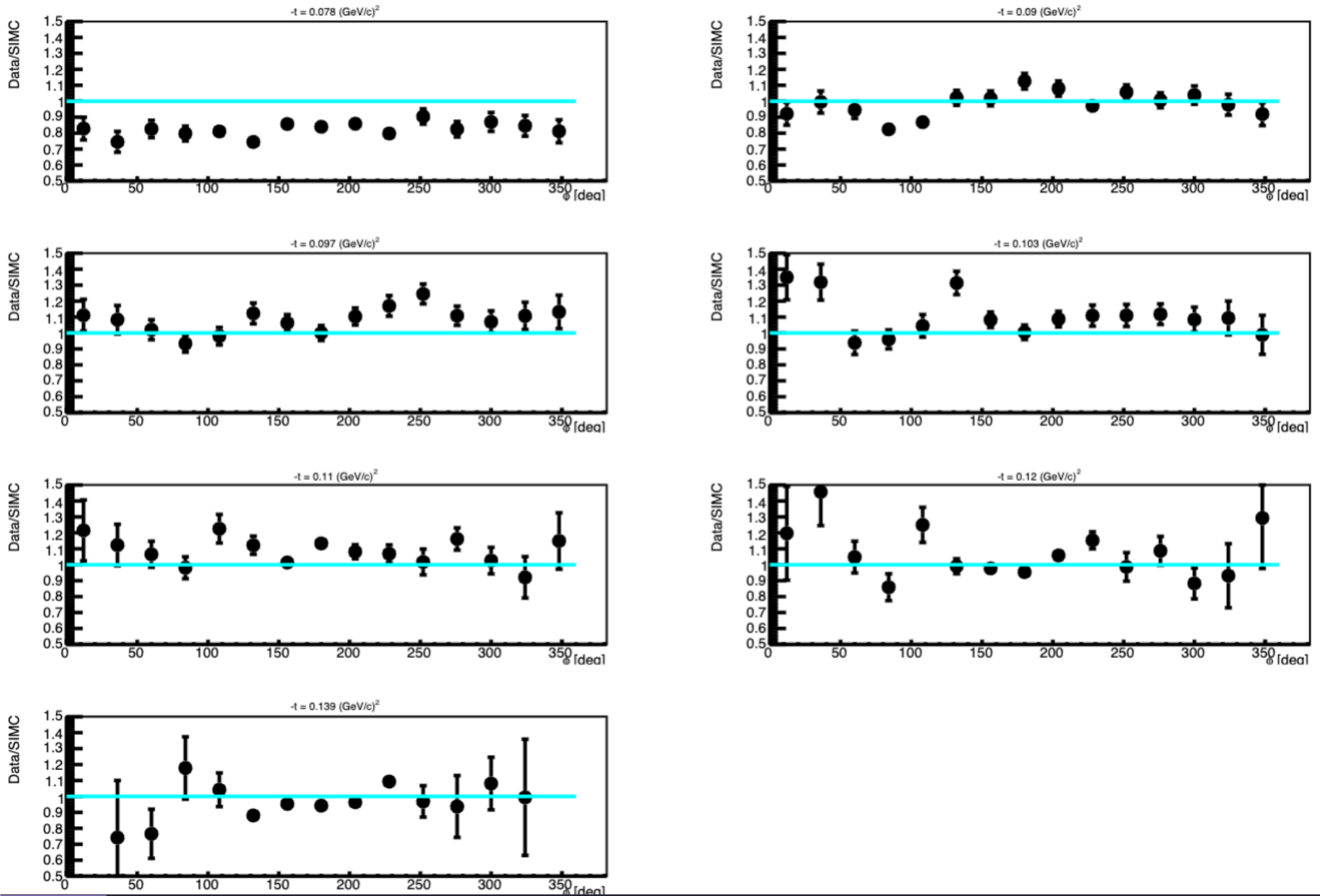
Low & High ϵ Simultaneous Fit (Rosenbluth)

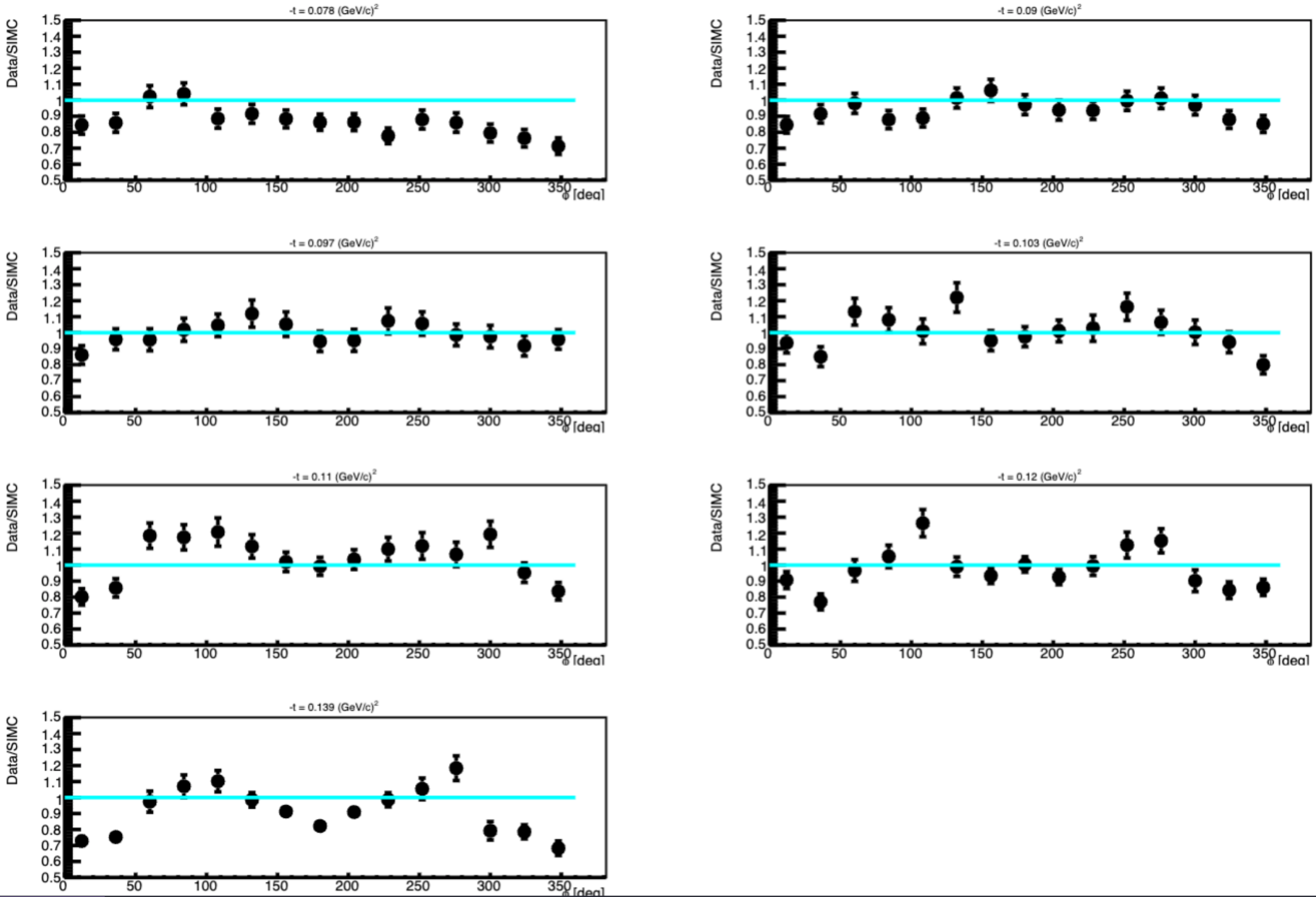


L, T, LT, TT Cross Sections

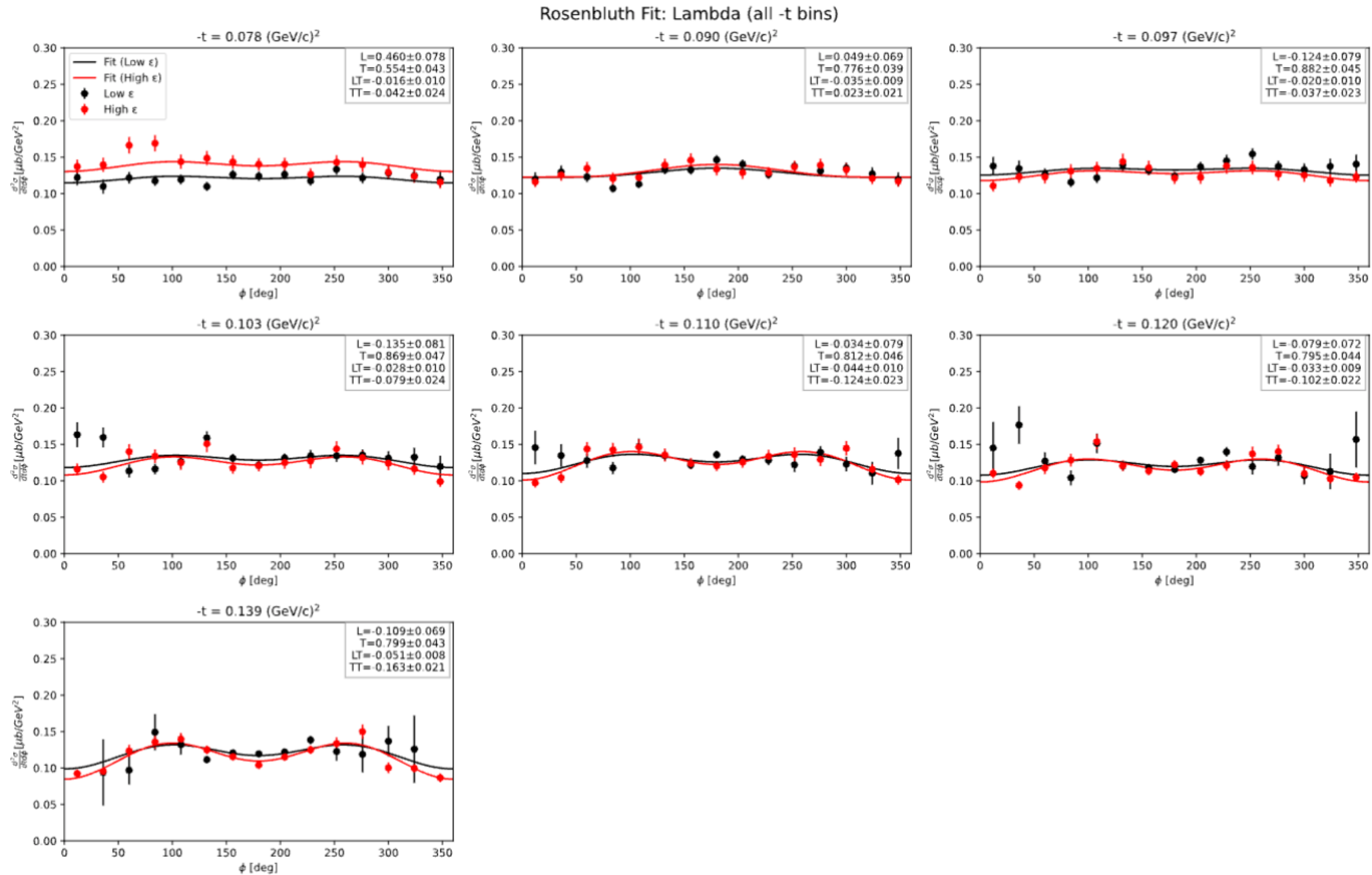


Iteration 01

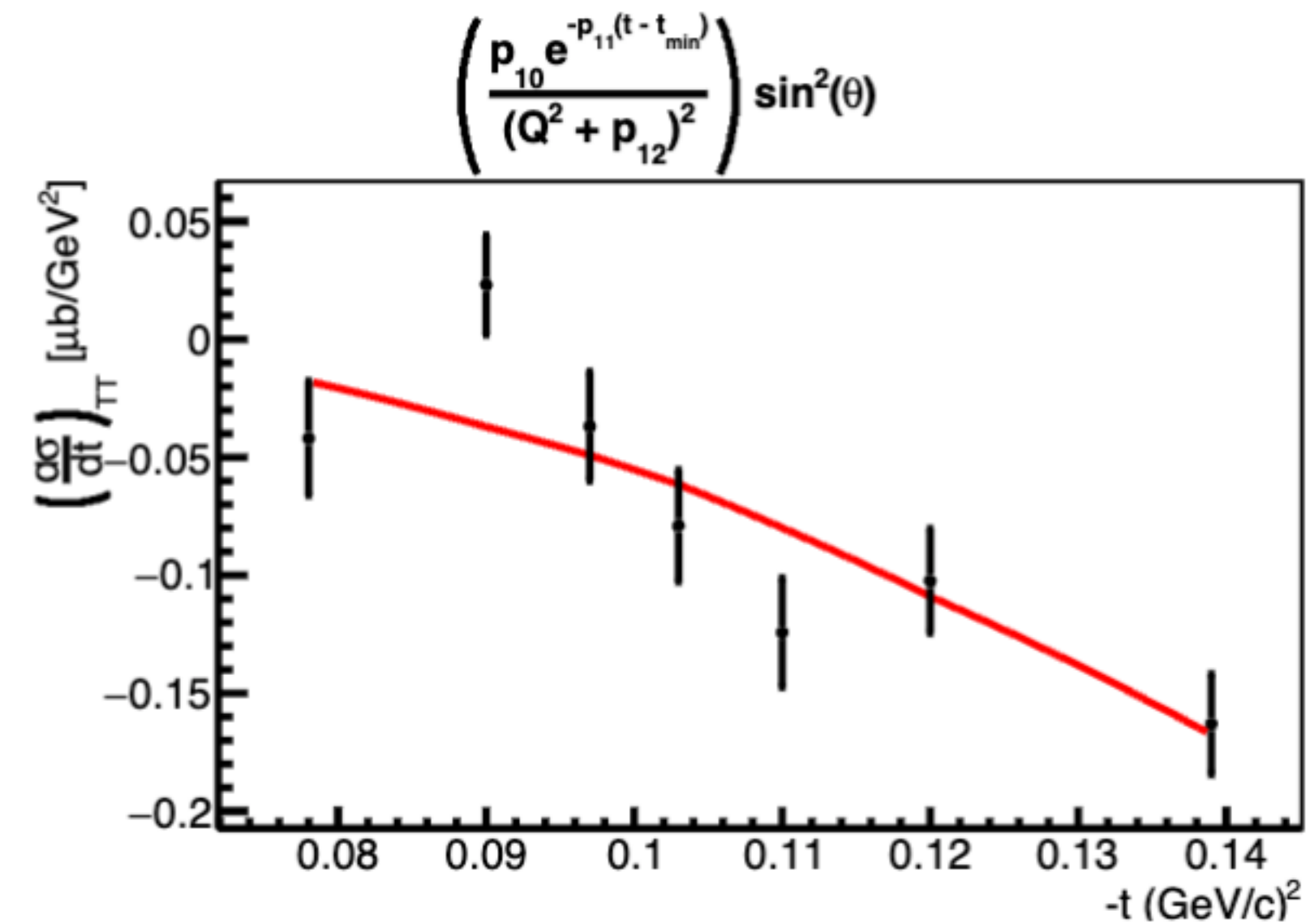
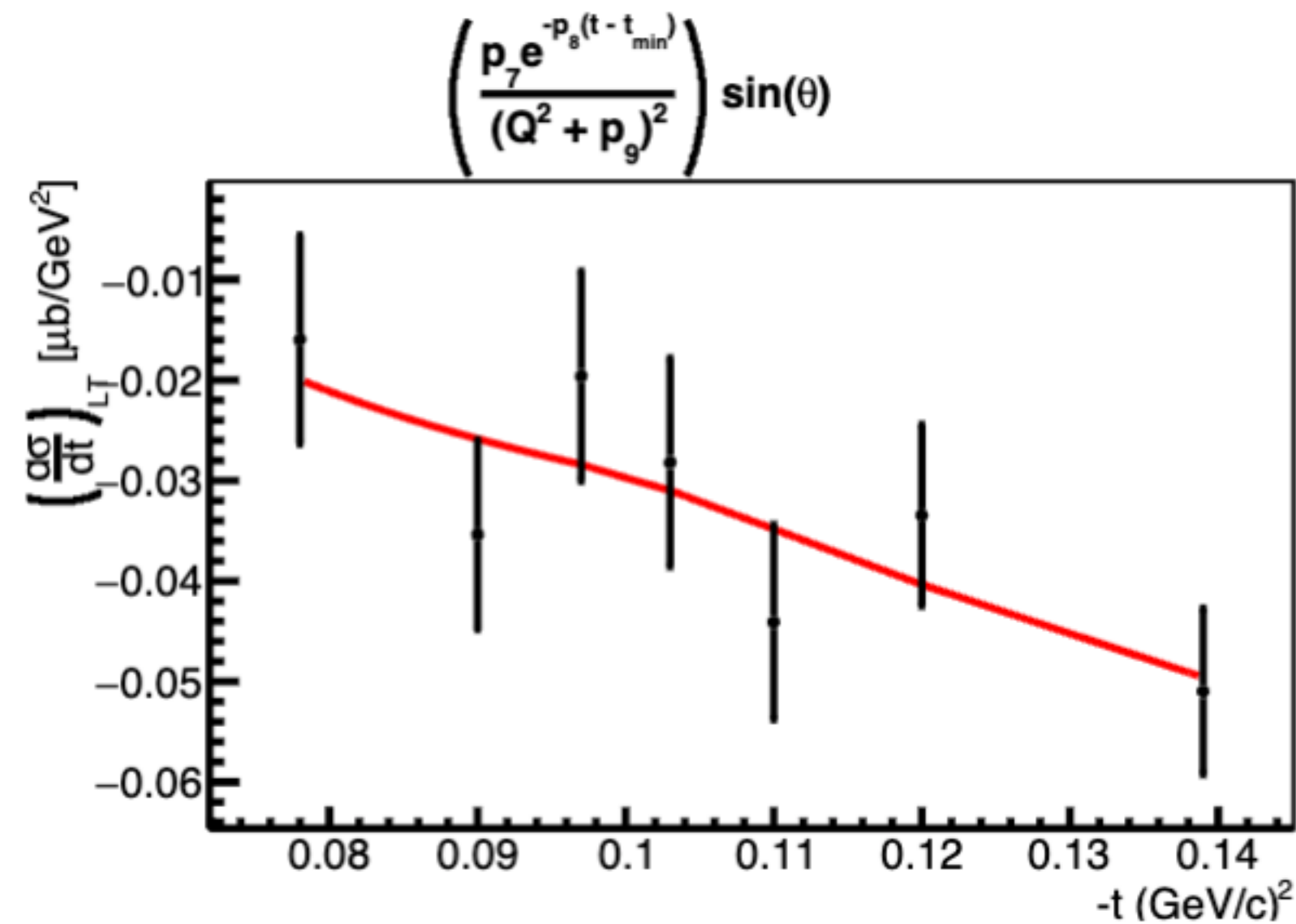
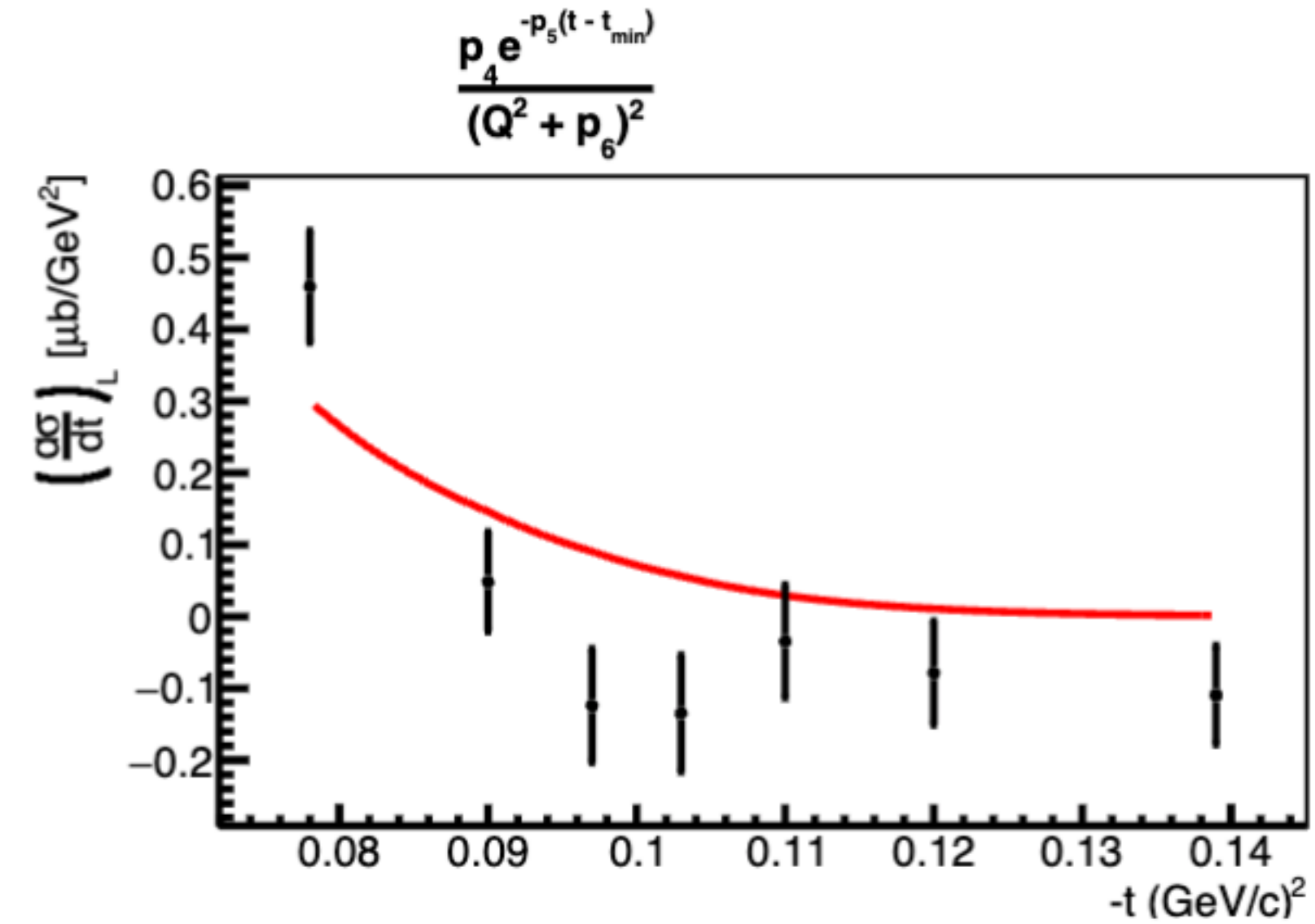
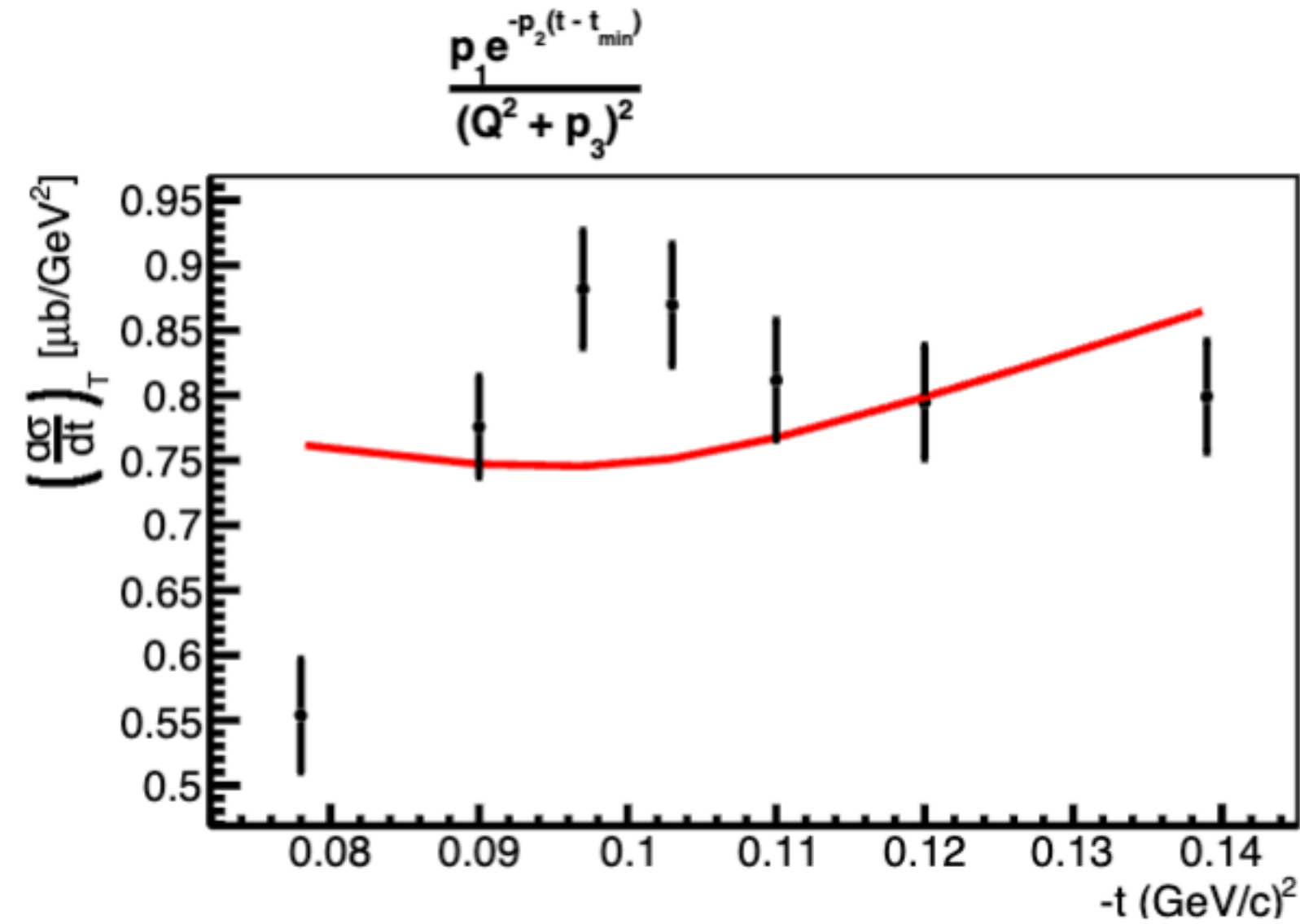




Low & High ϵ Simultaneous Fit (Rosenbluth)

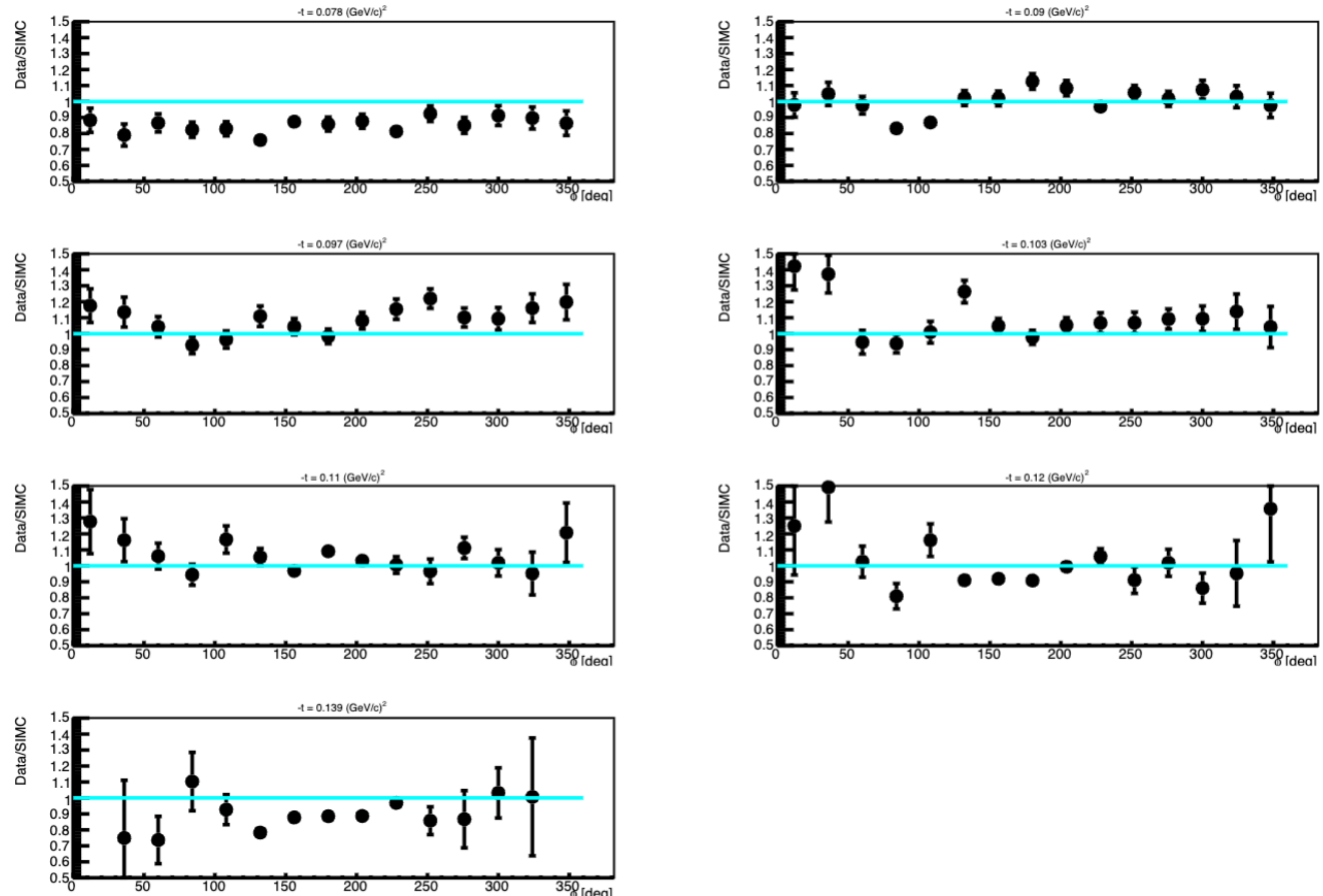


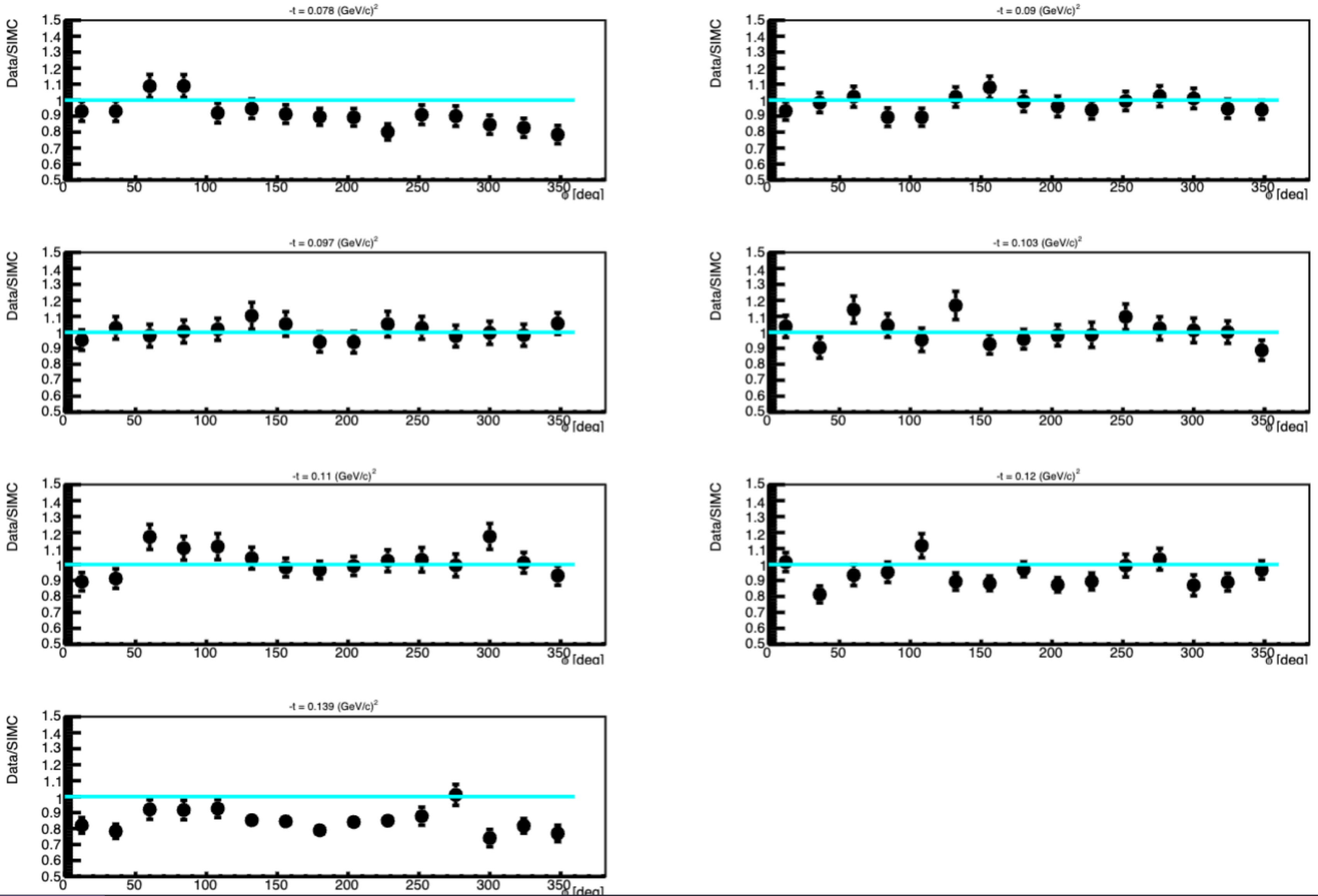
L, T, LT, TT Cross Sections



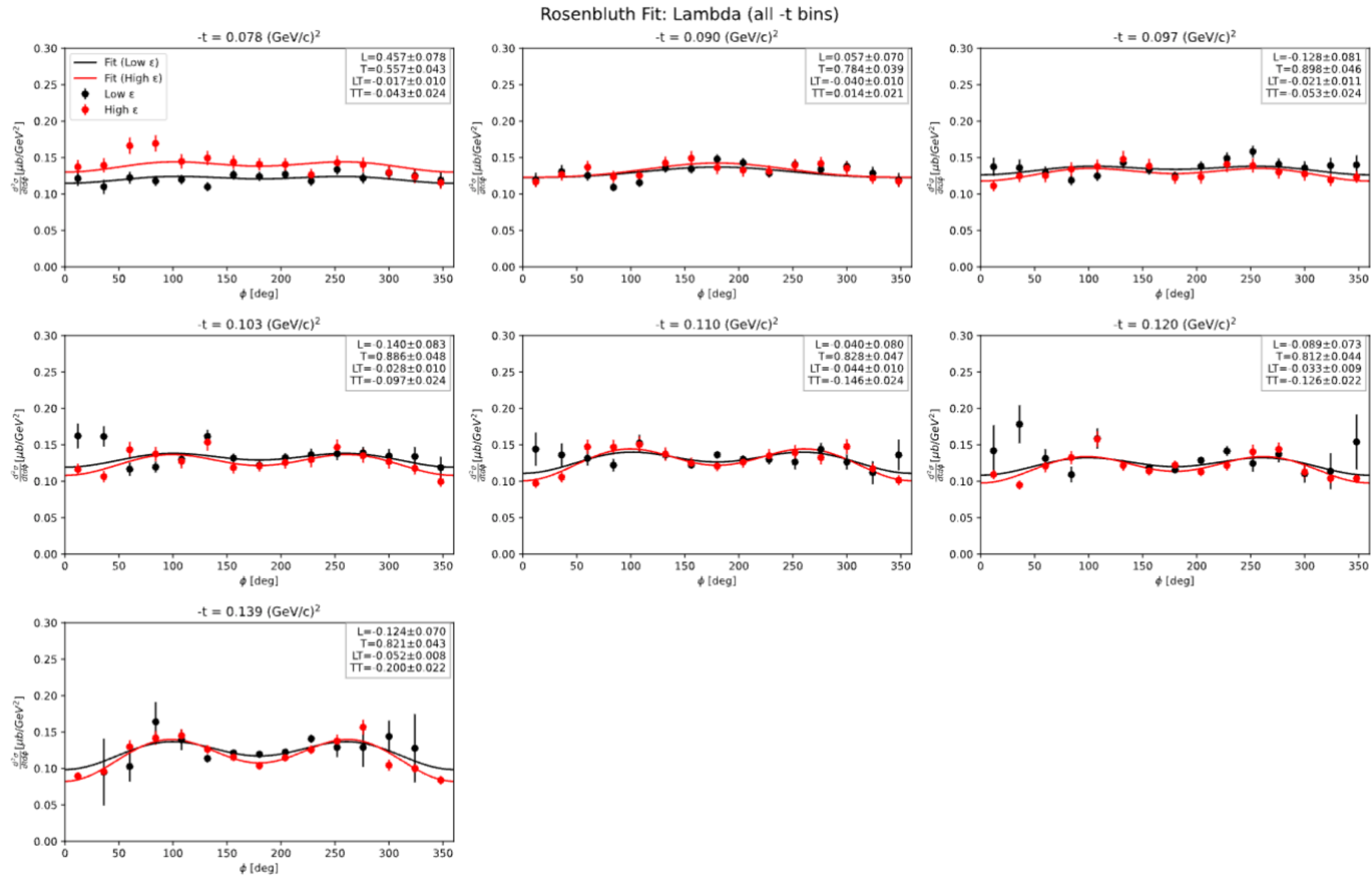
Iteration 02

Factorized 2007 + sigLT + sigTT

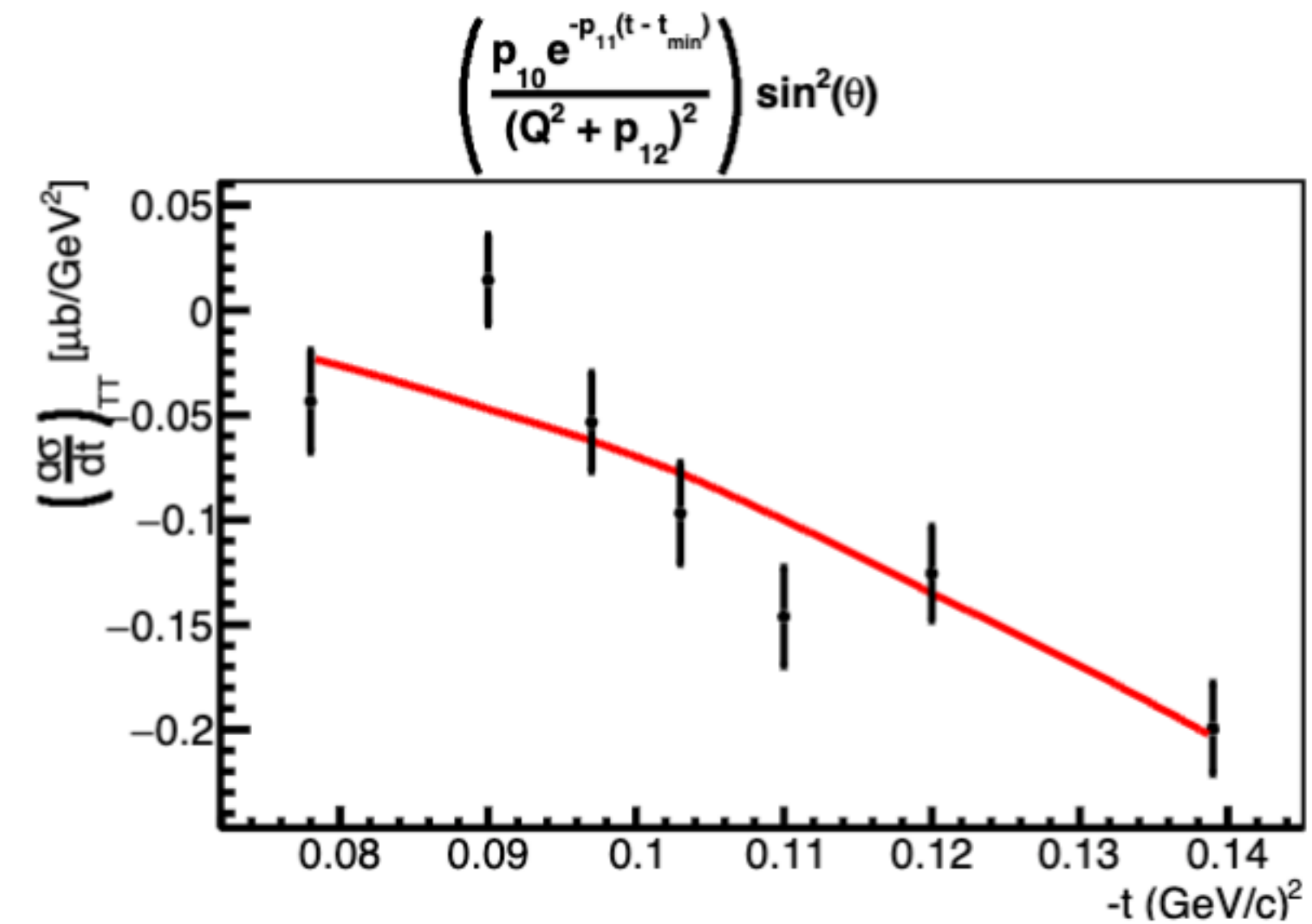
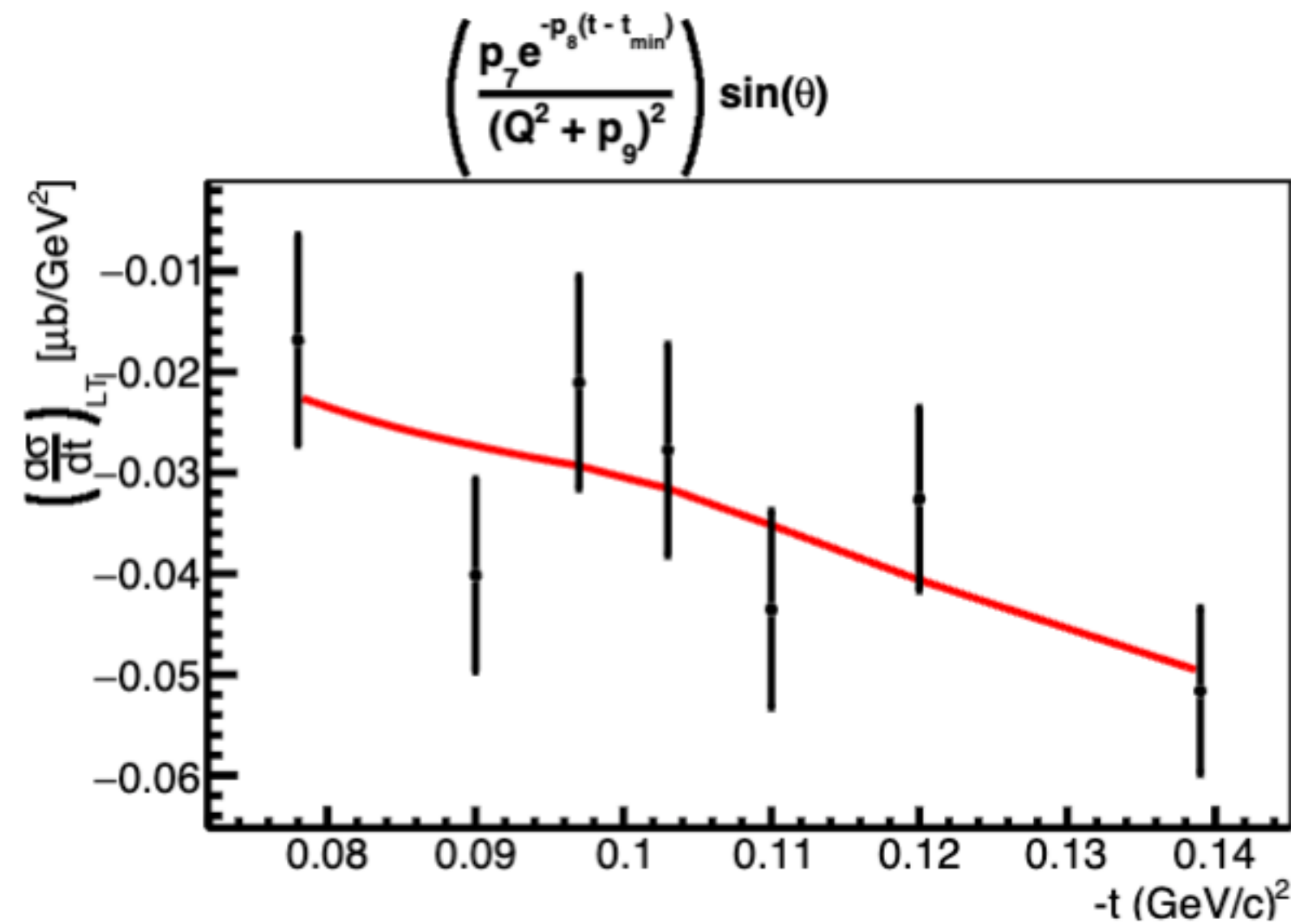
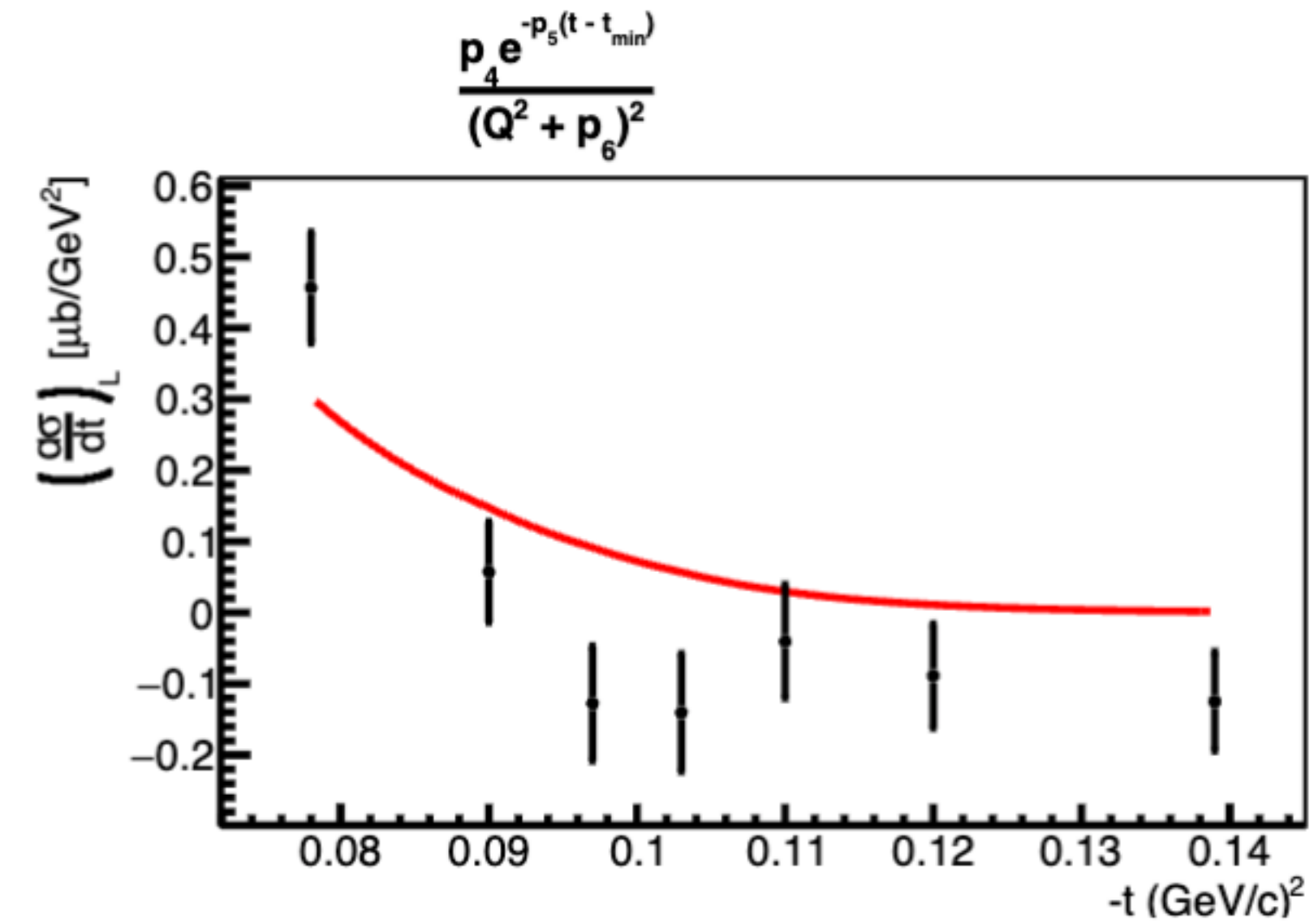
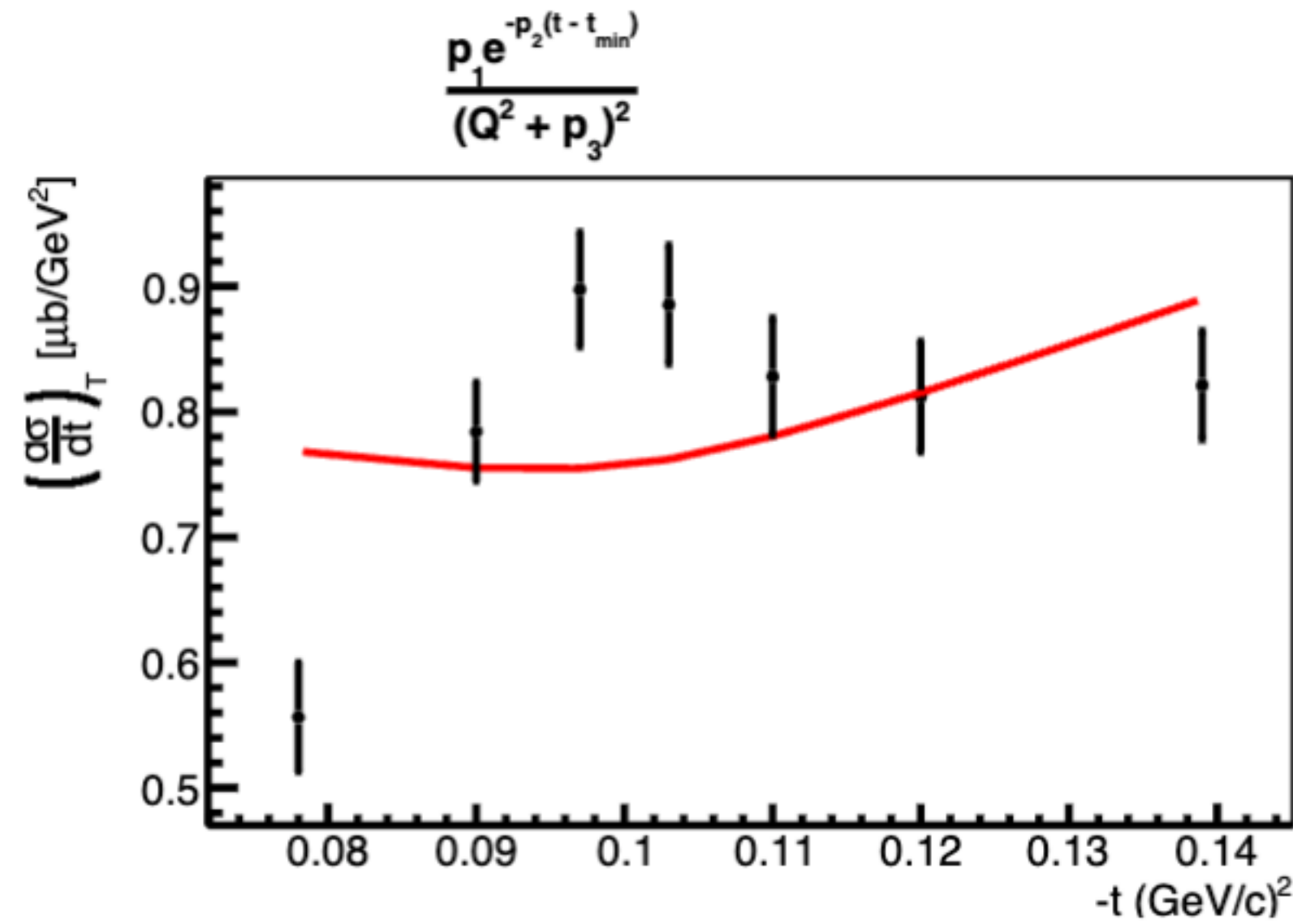




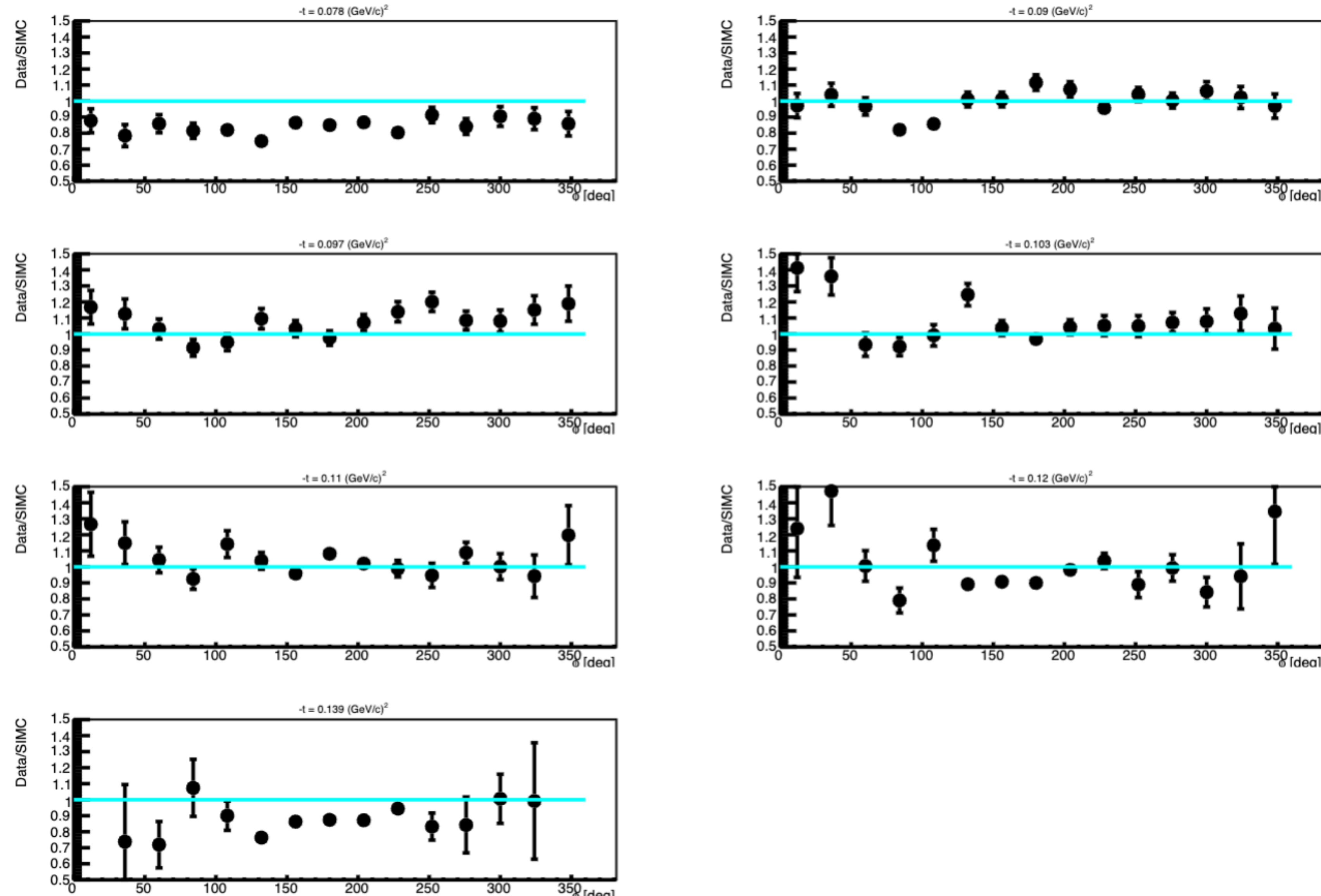
Low & High ϵ Simultaneous Fit (Rosenbluth)

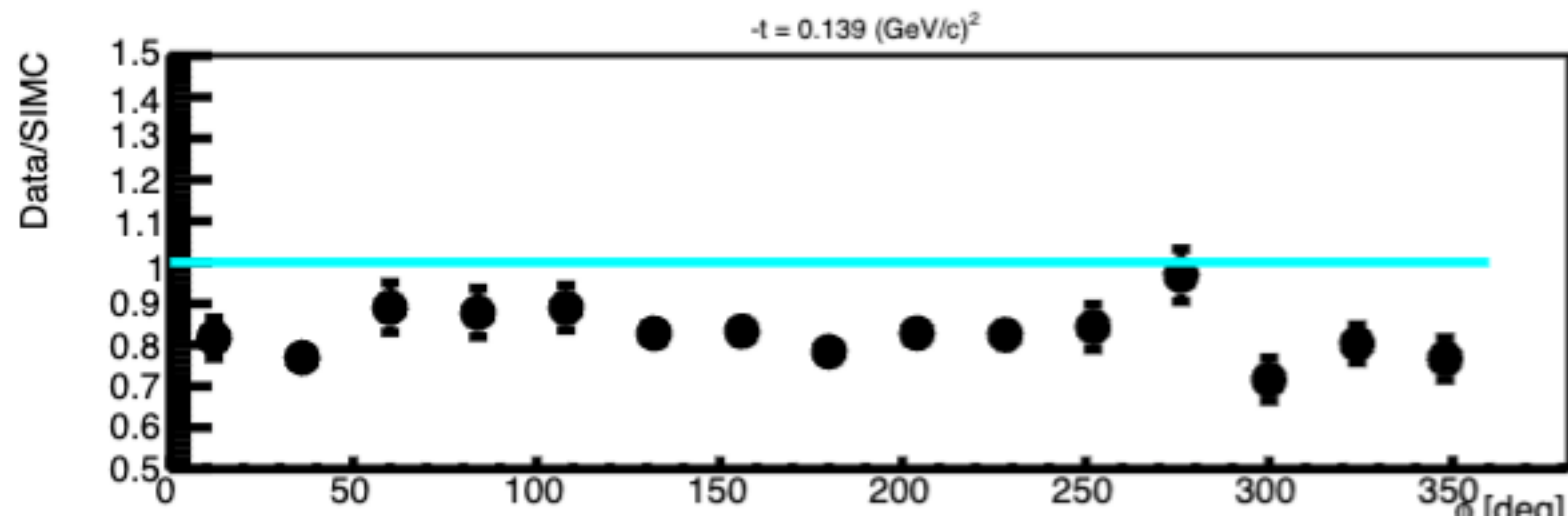
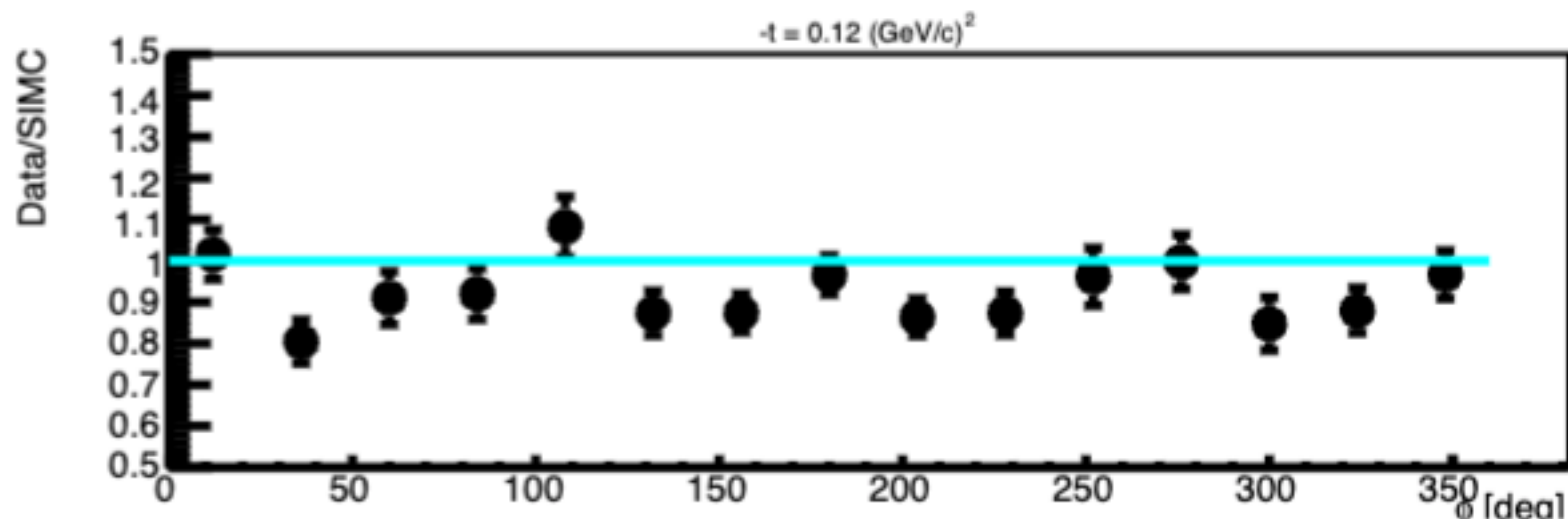
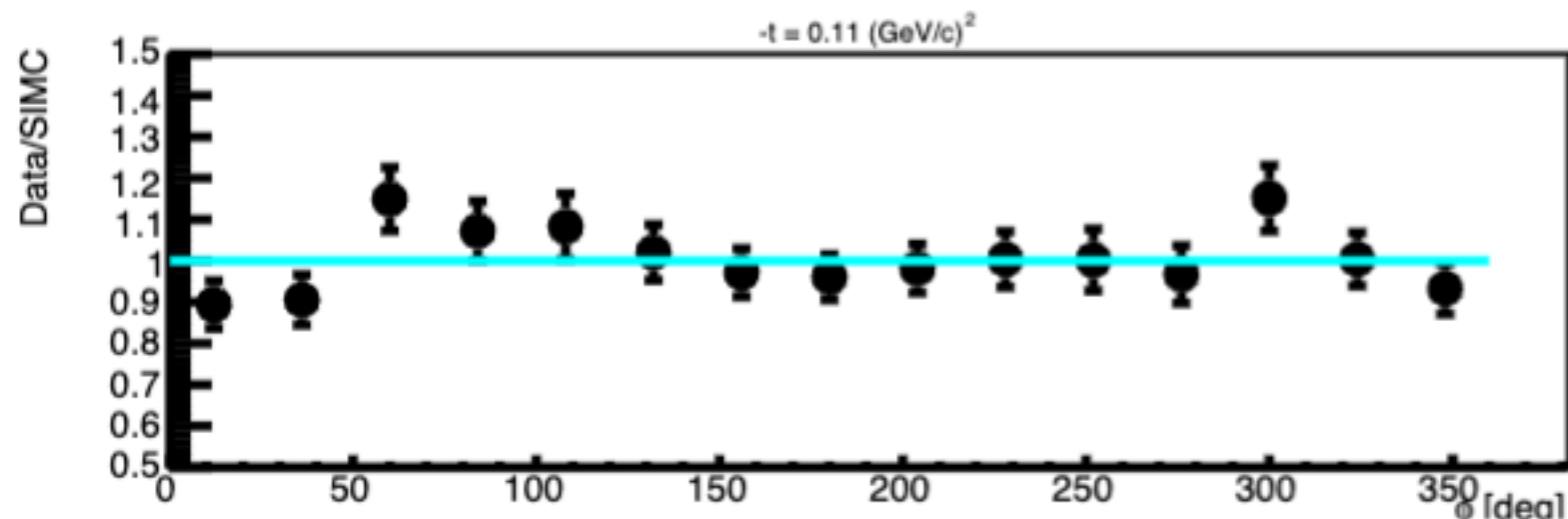
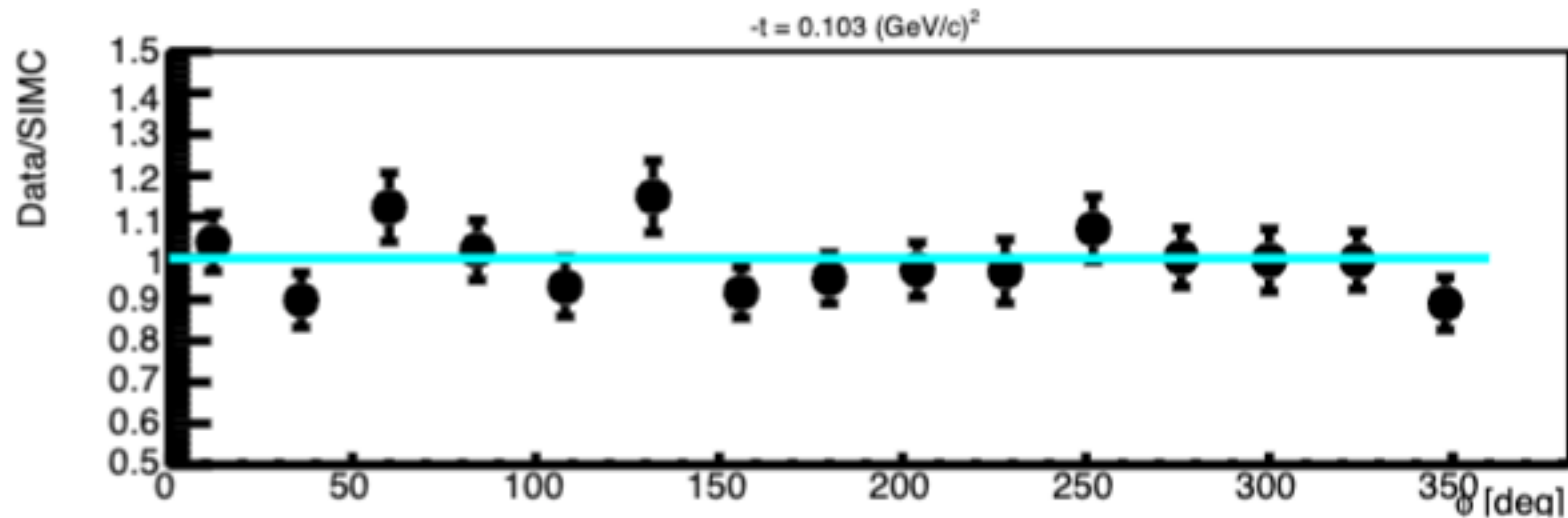
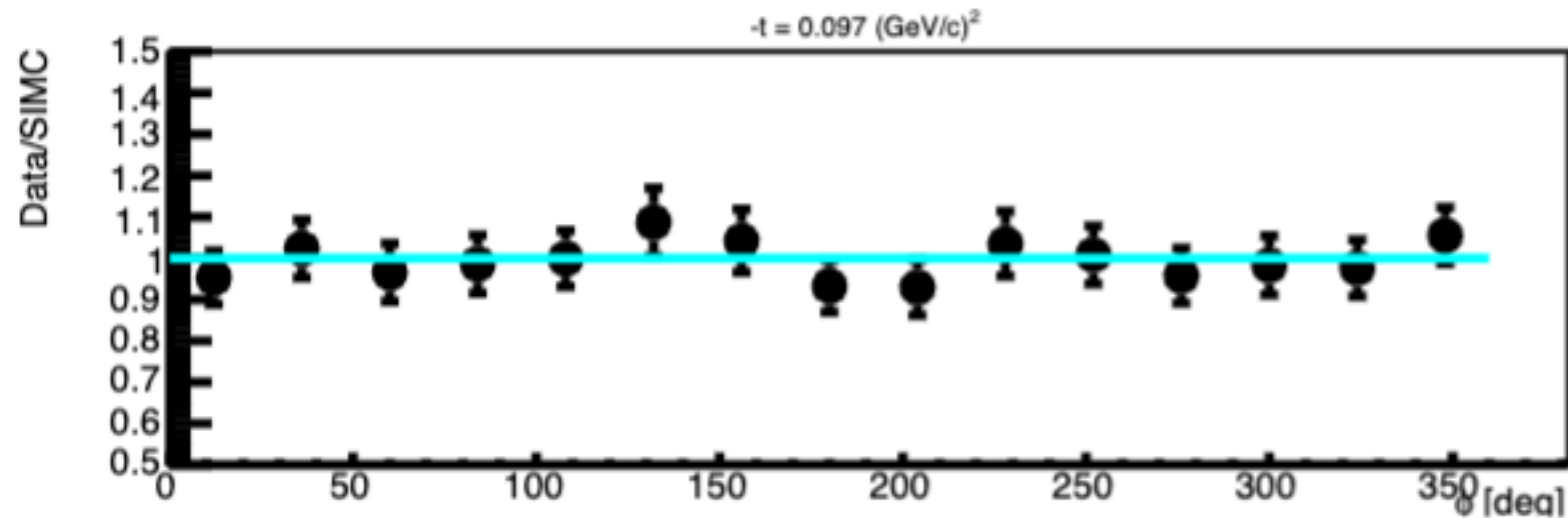
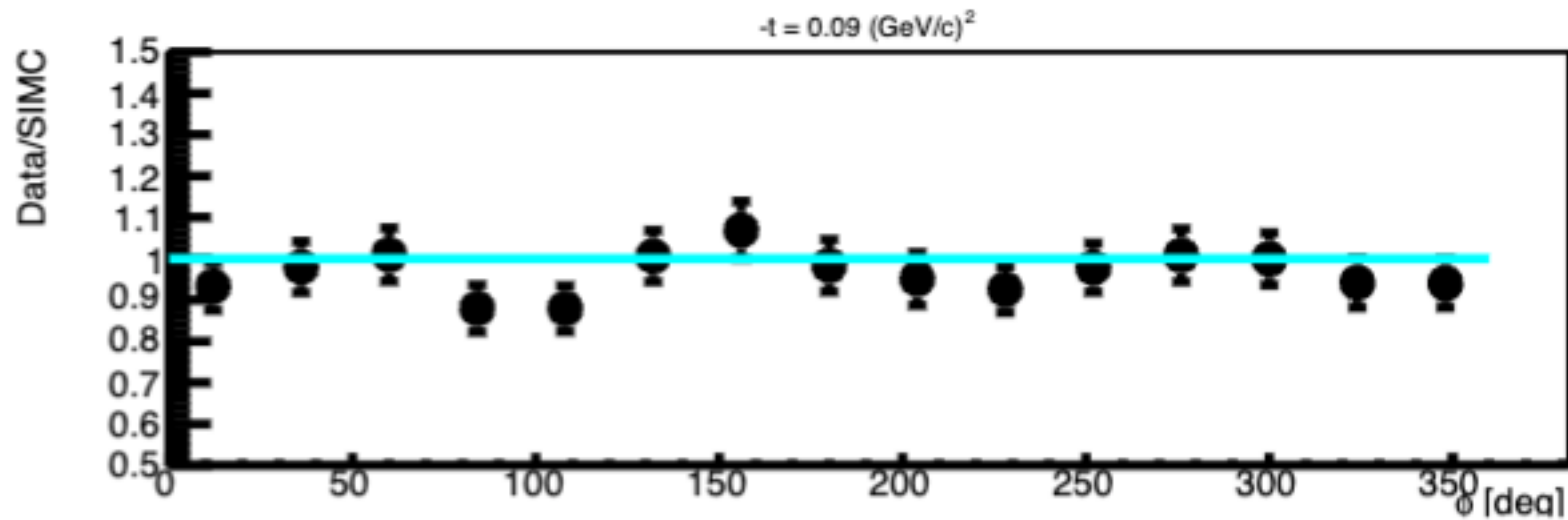
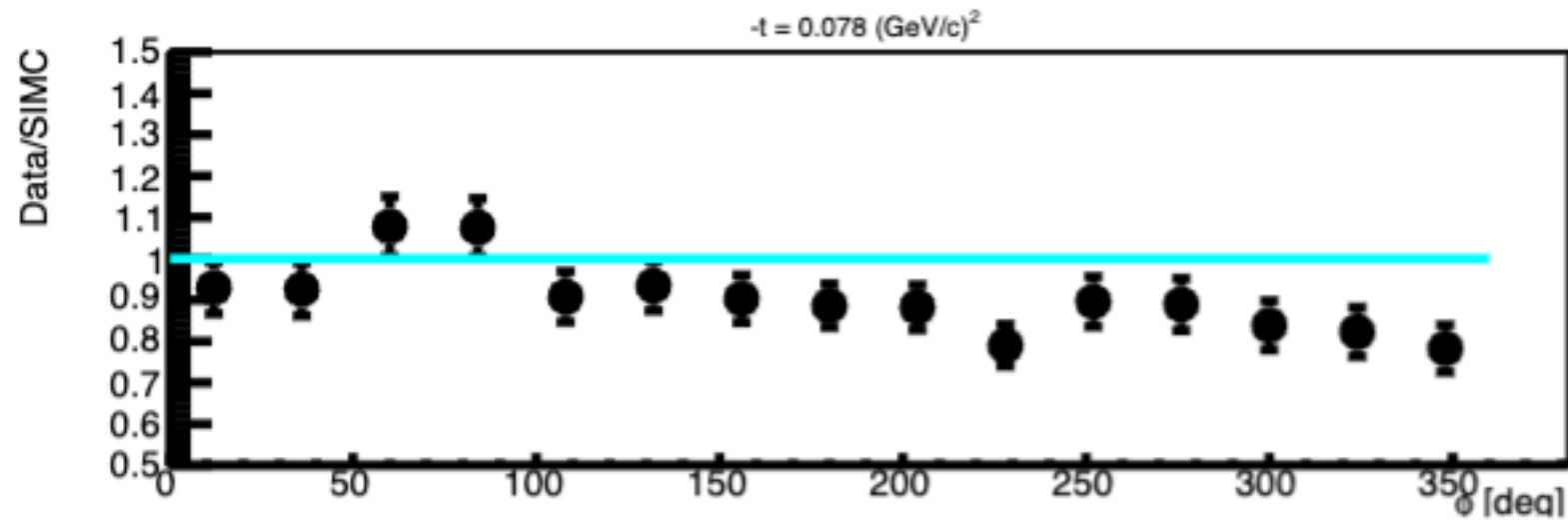


L, T, LT, TT Cross Sections

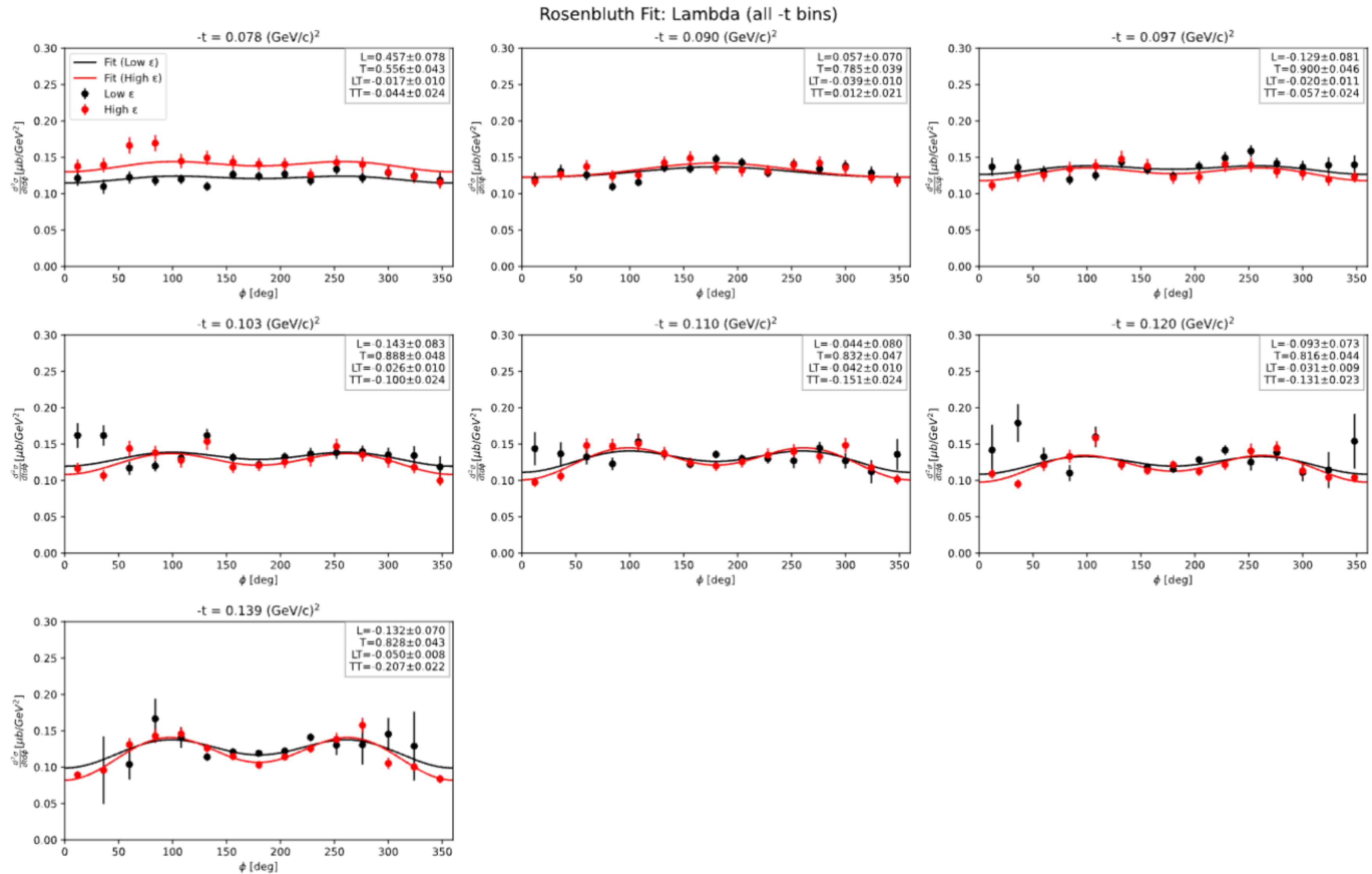


Iteration 03

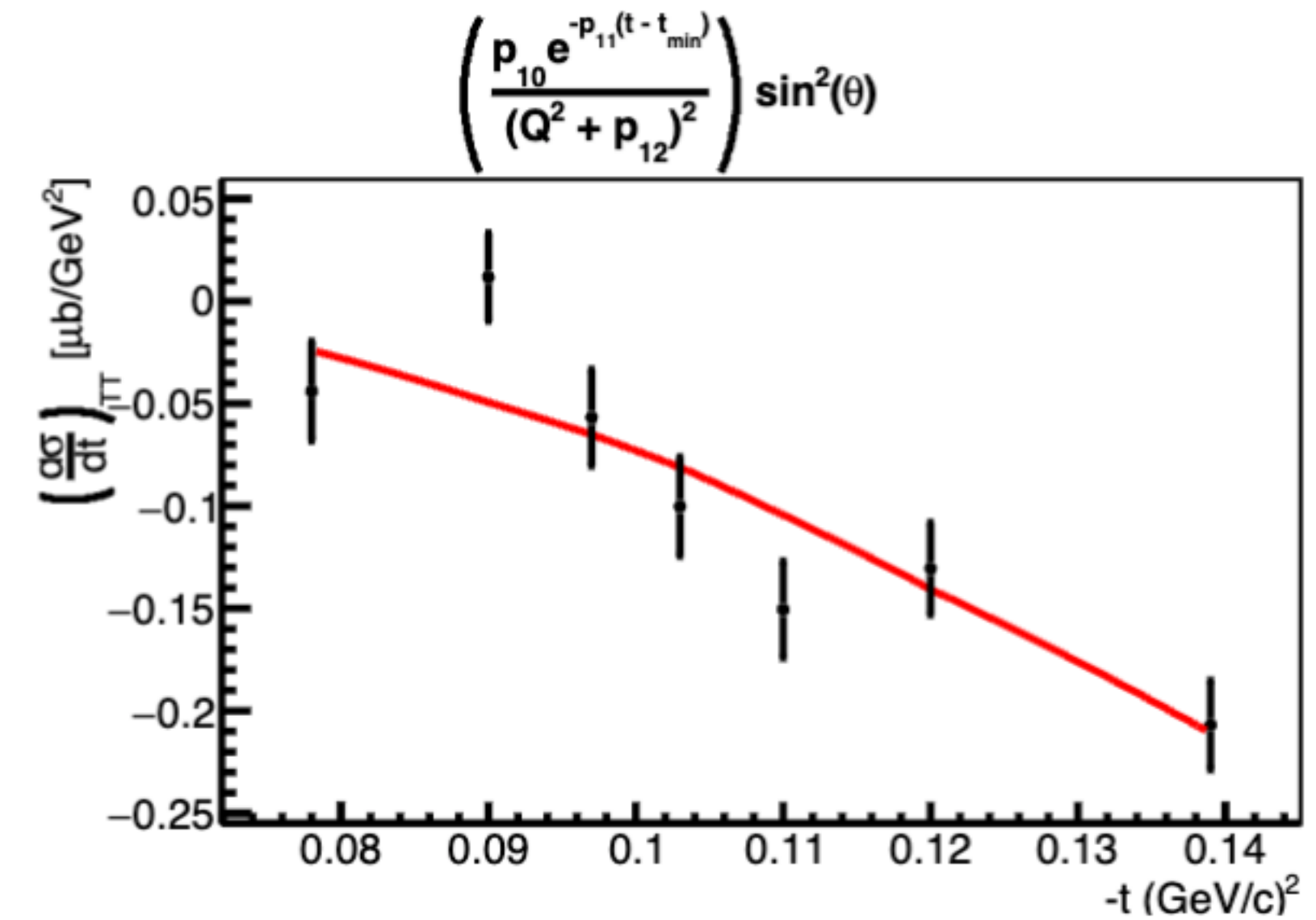
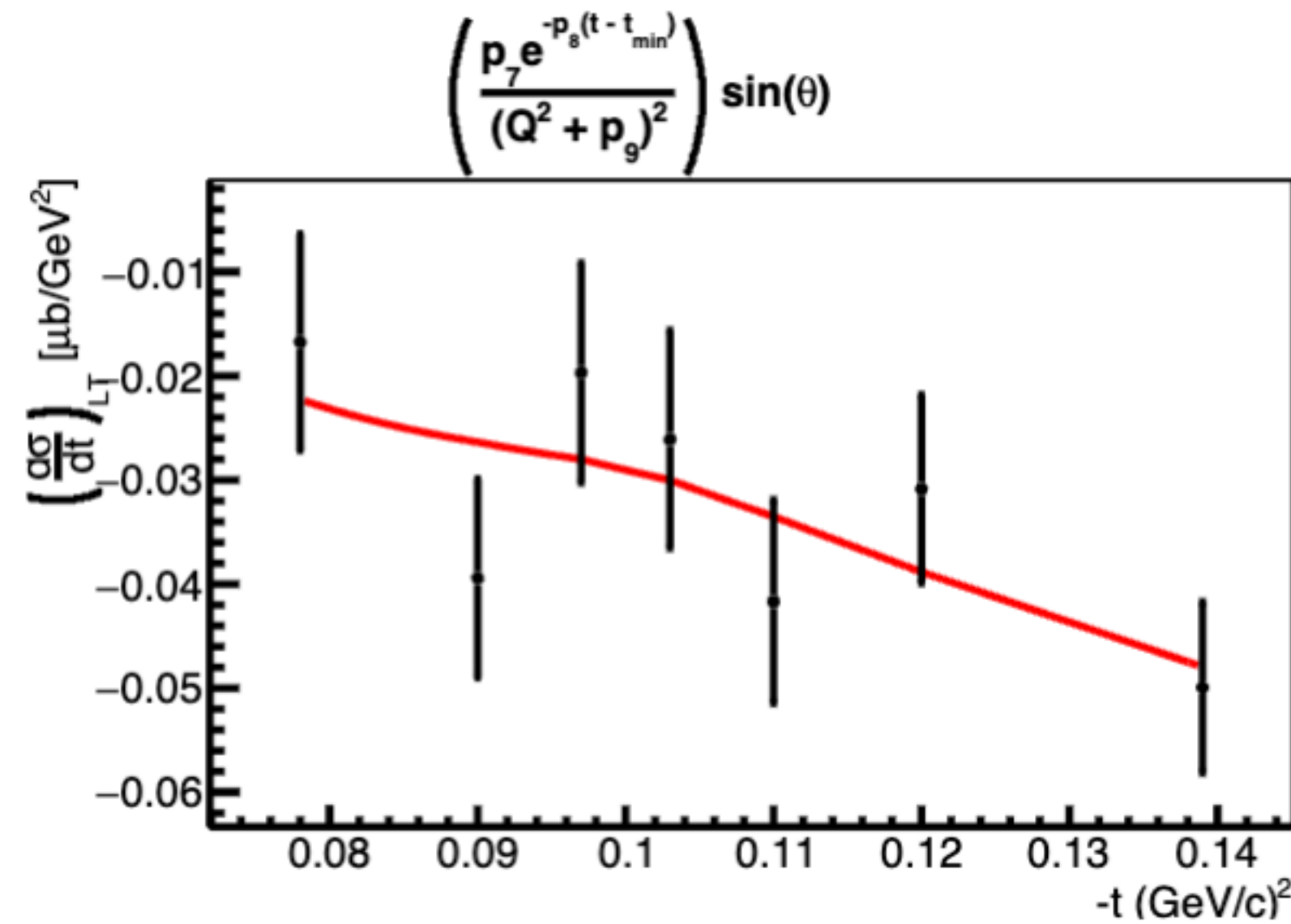
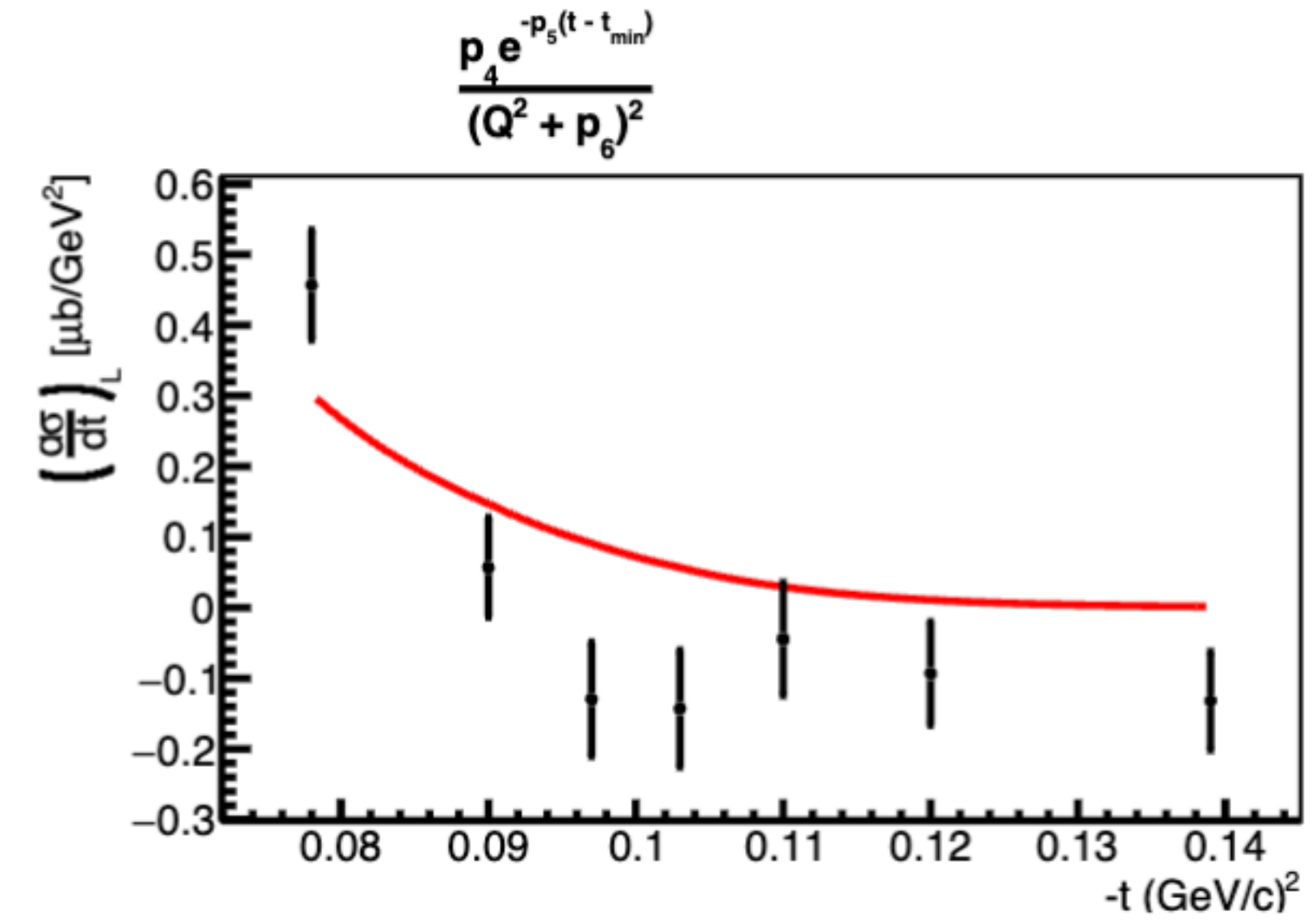
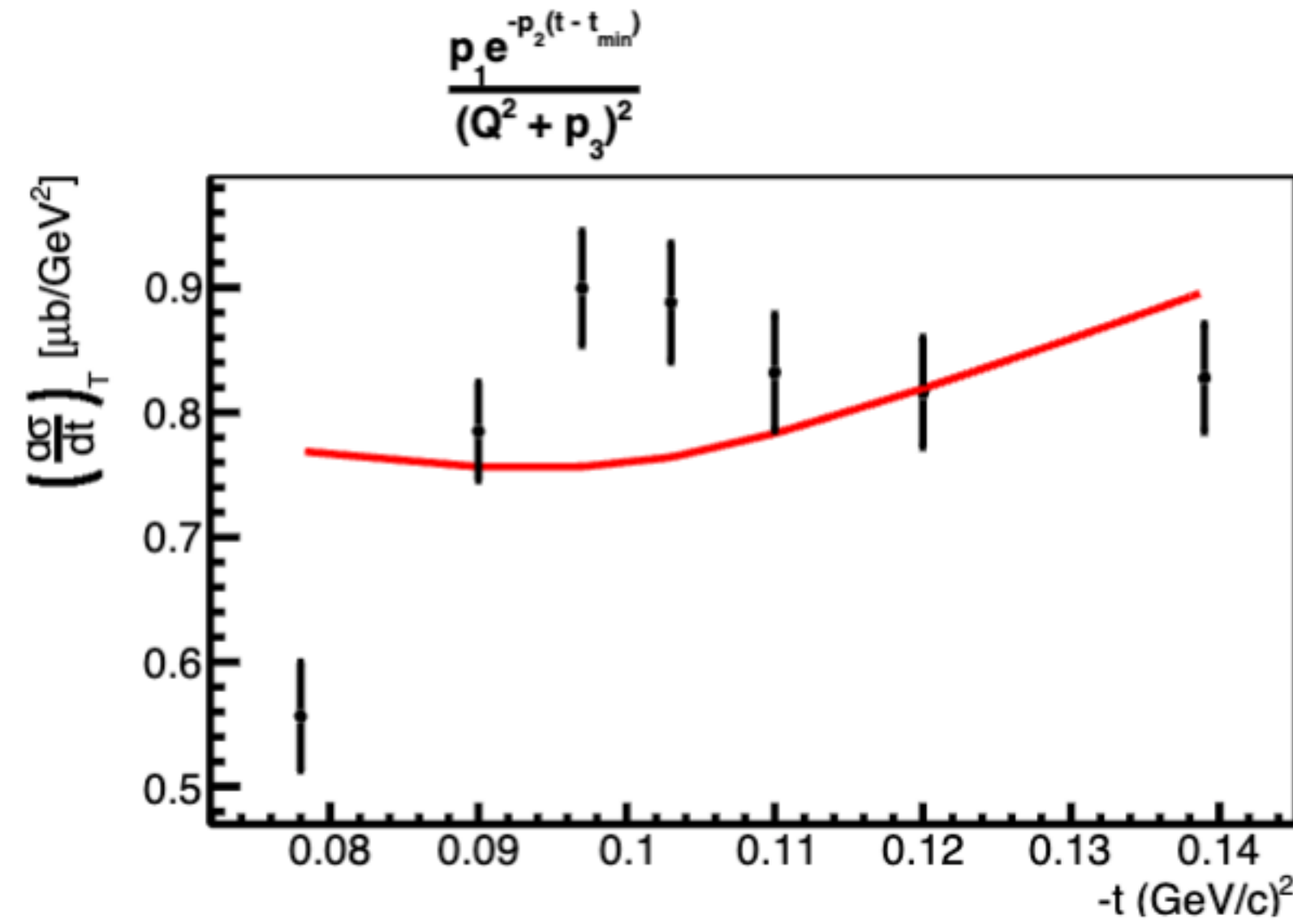




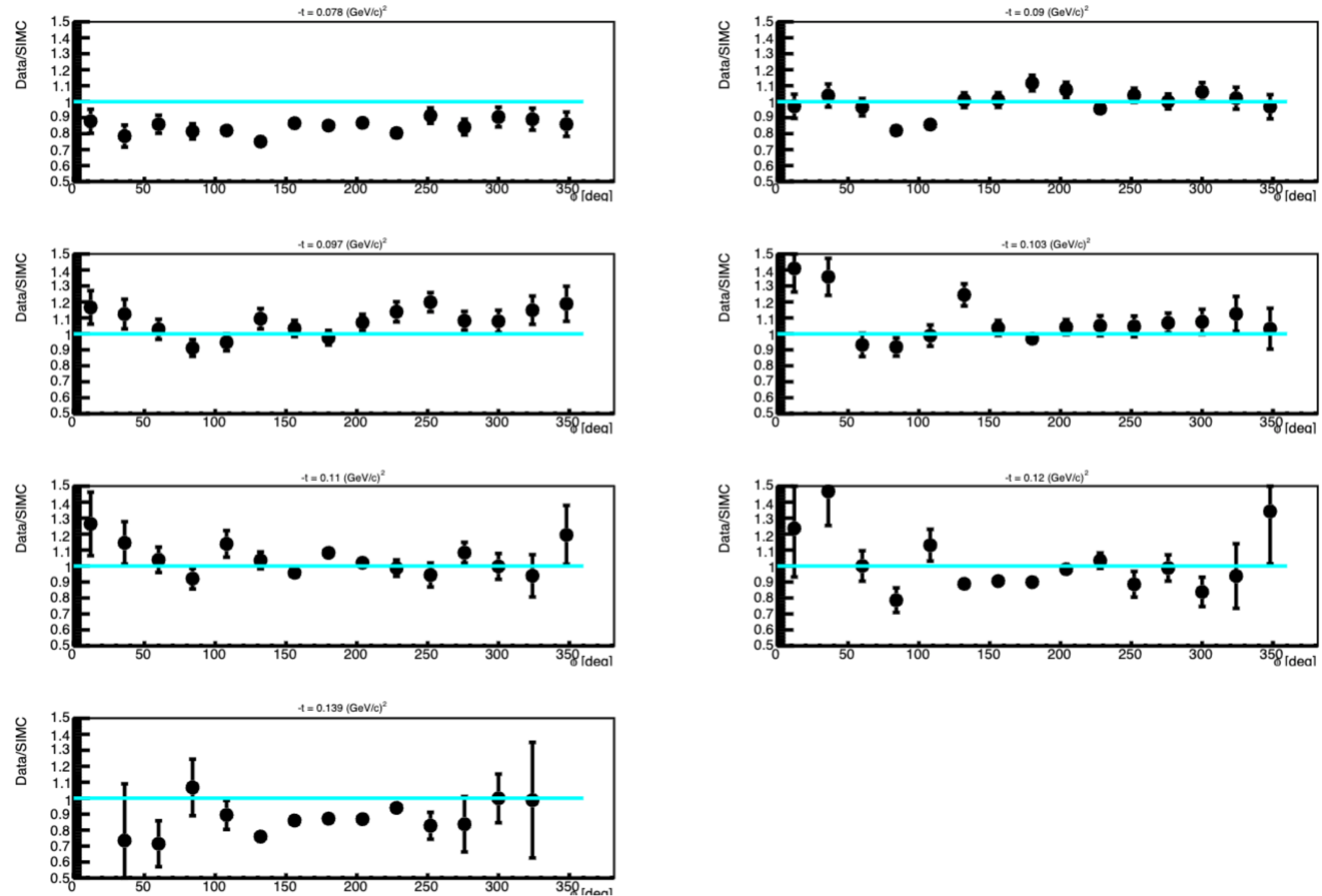
Low & High ϵ Simultaneous Fit (Rosenbluth)

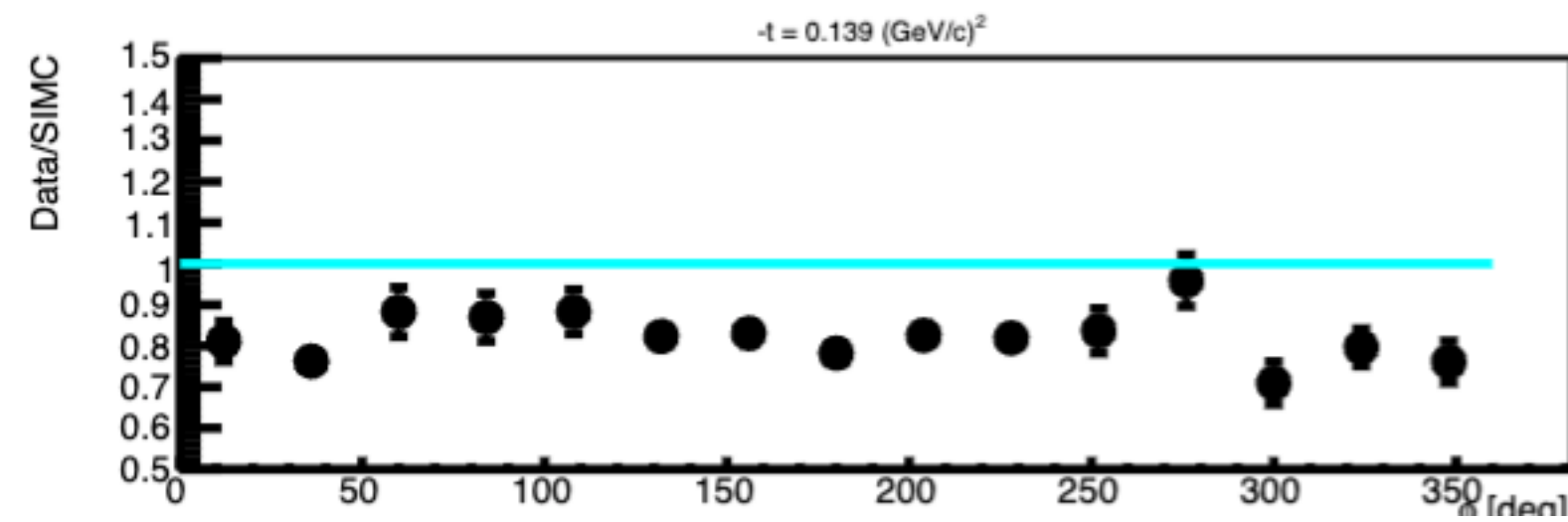
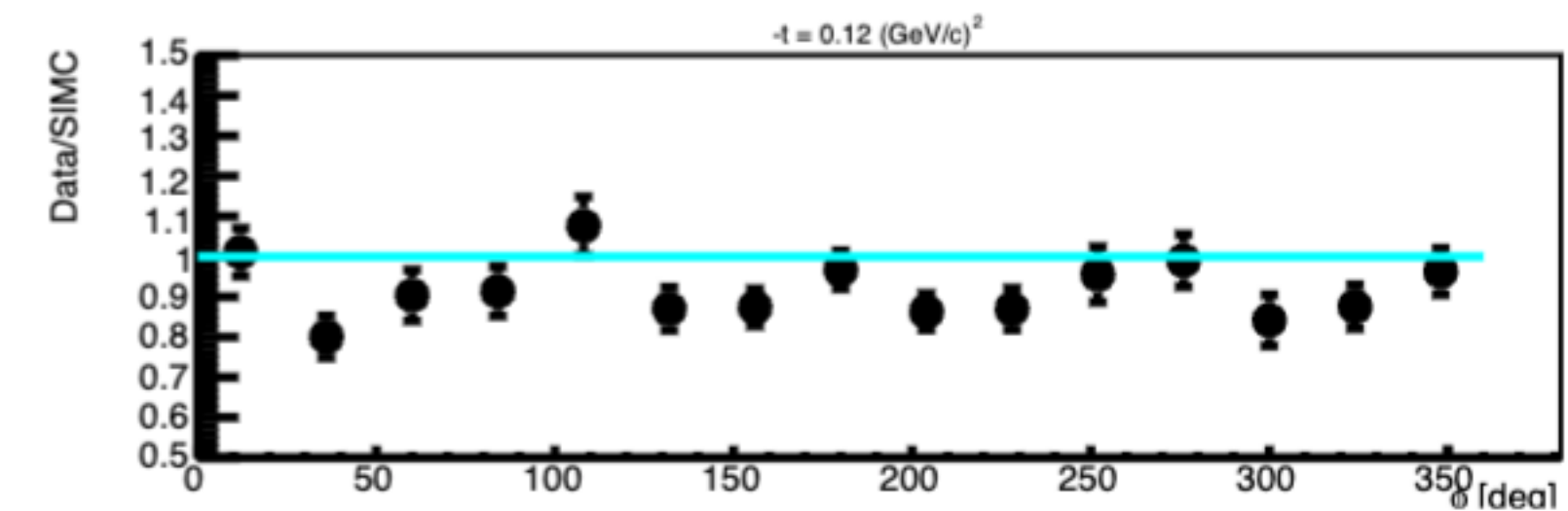
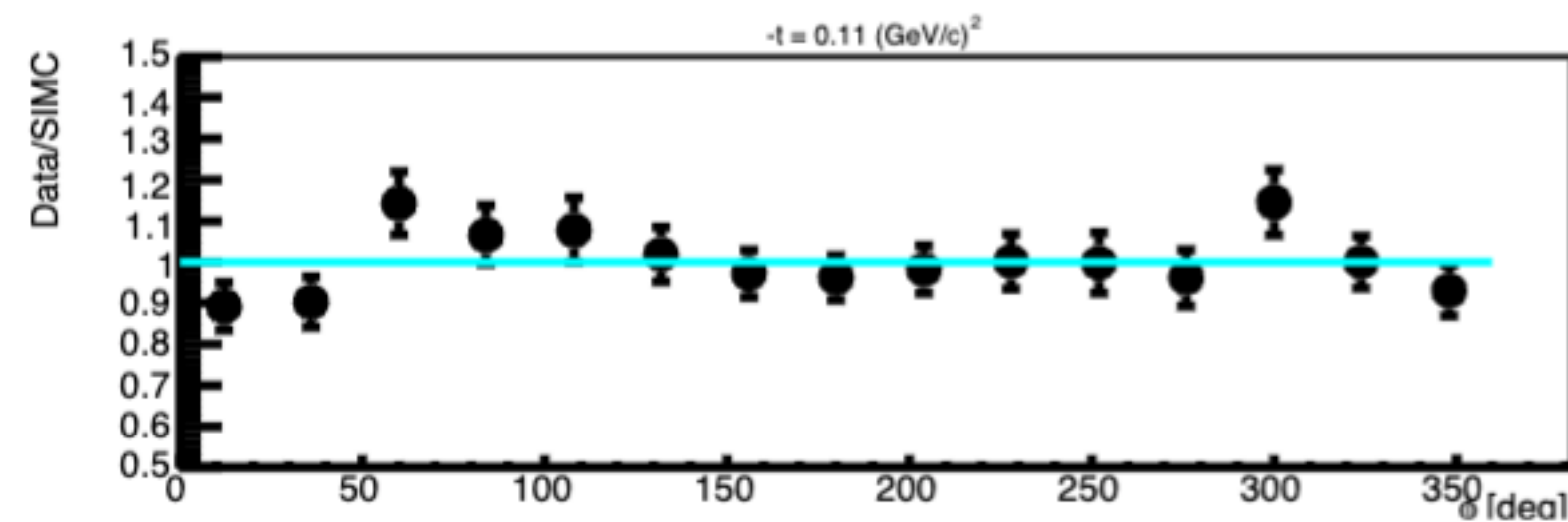
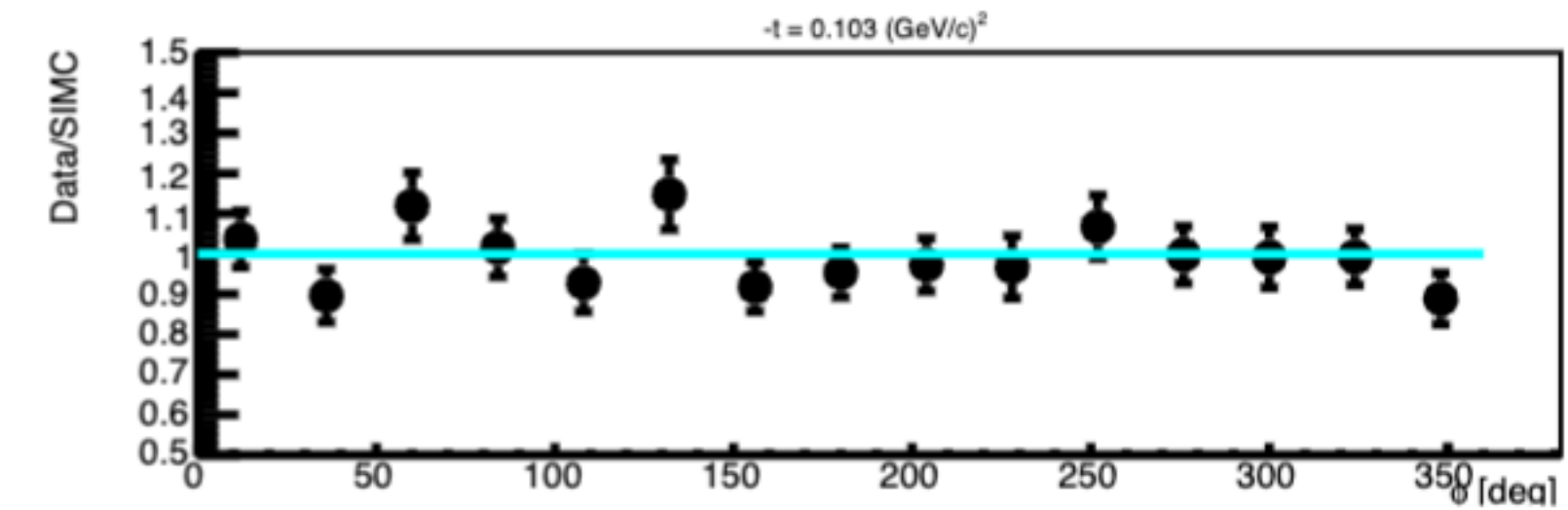
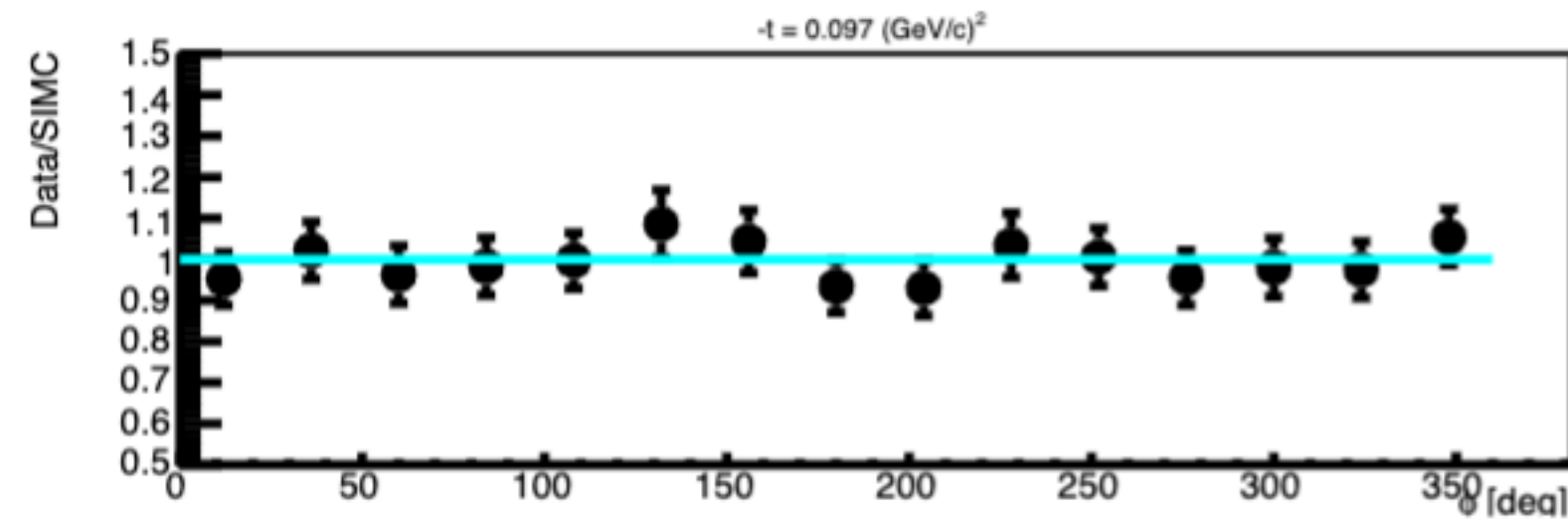
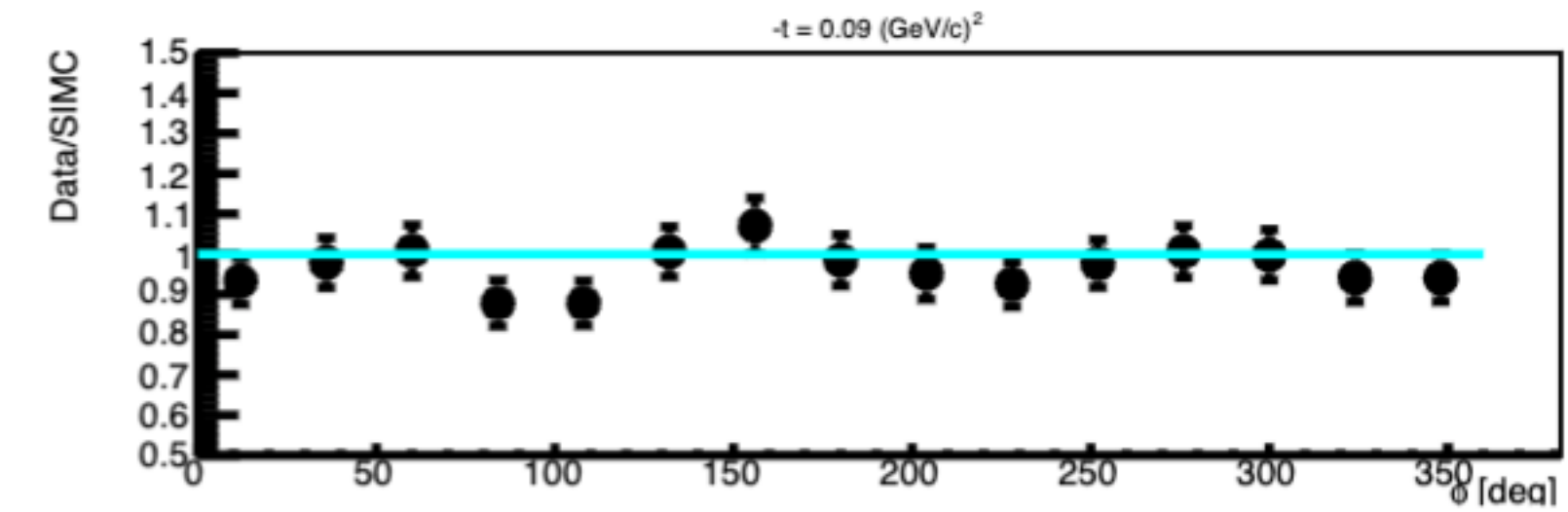
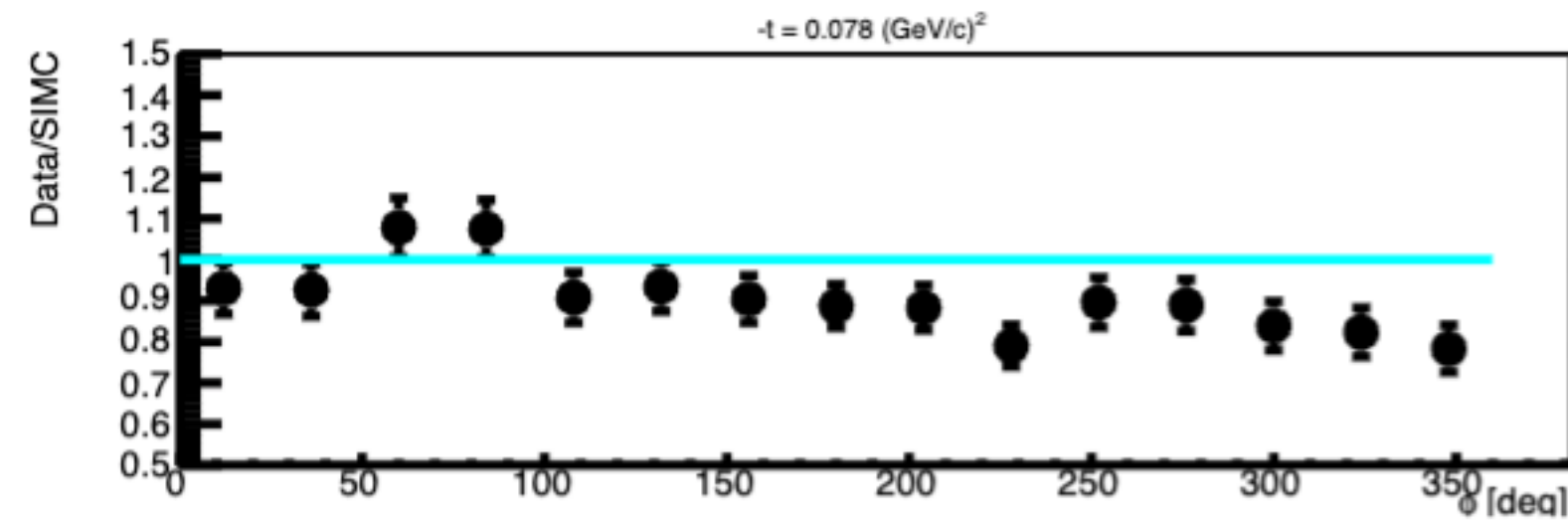


L, T, LT, TT Cross Sections

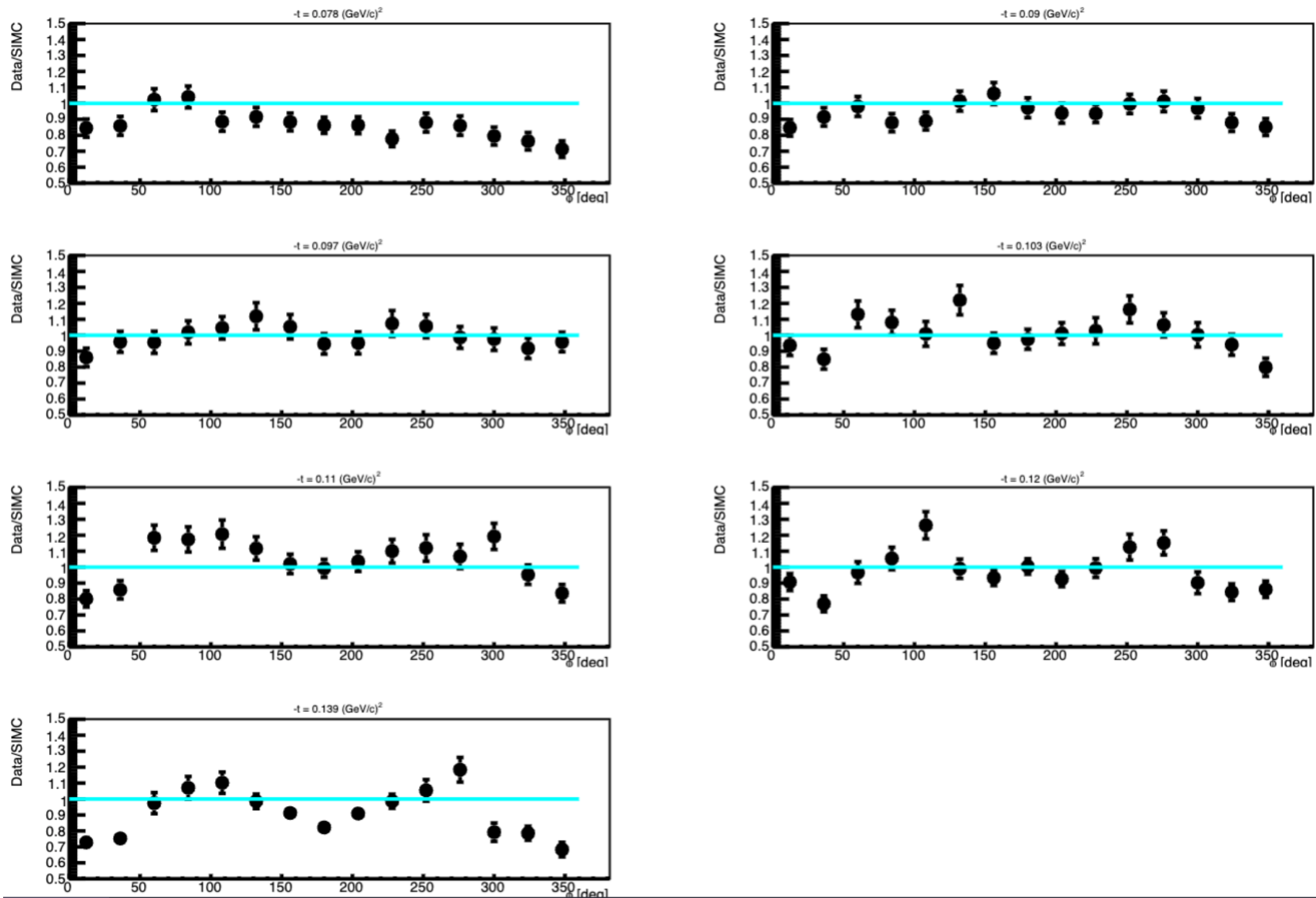


Iteration 04

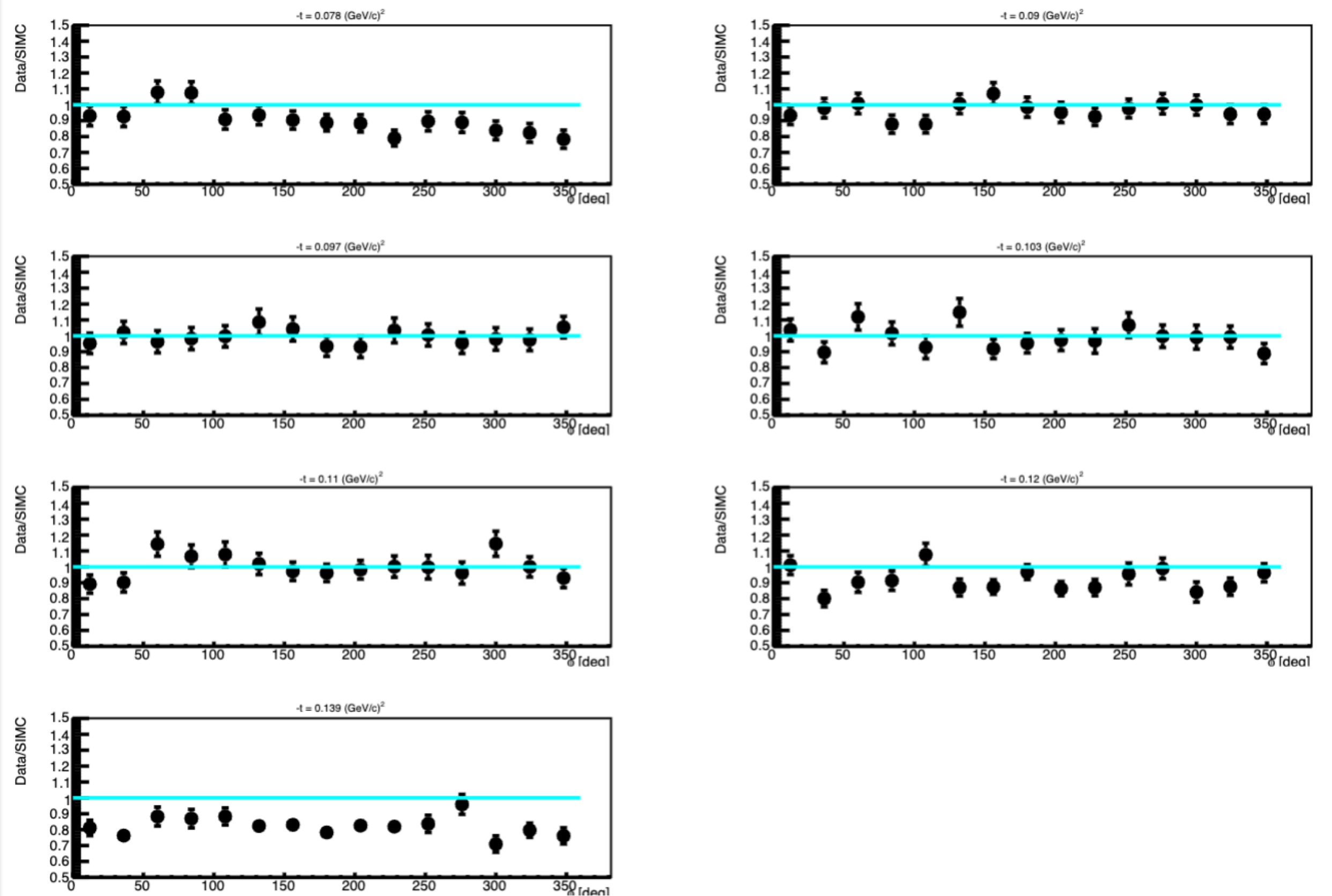




Iteration 01

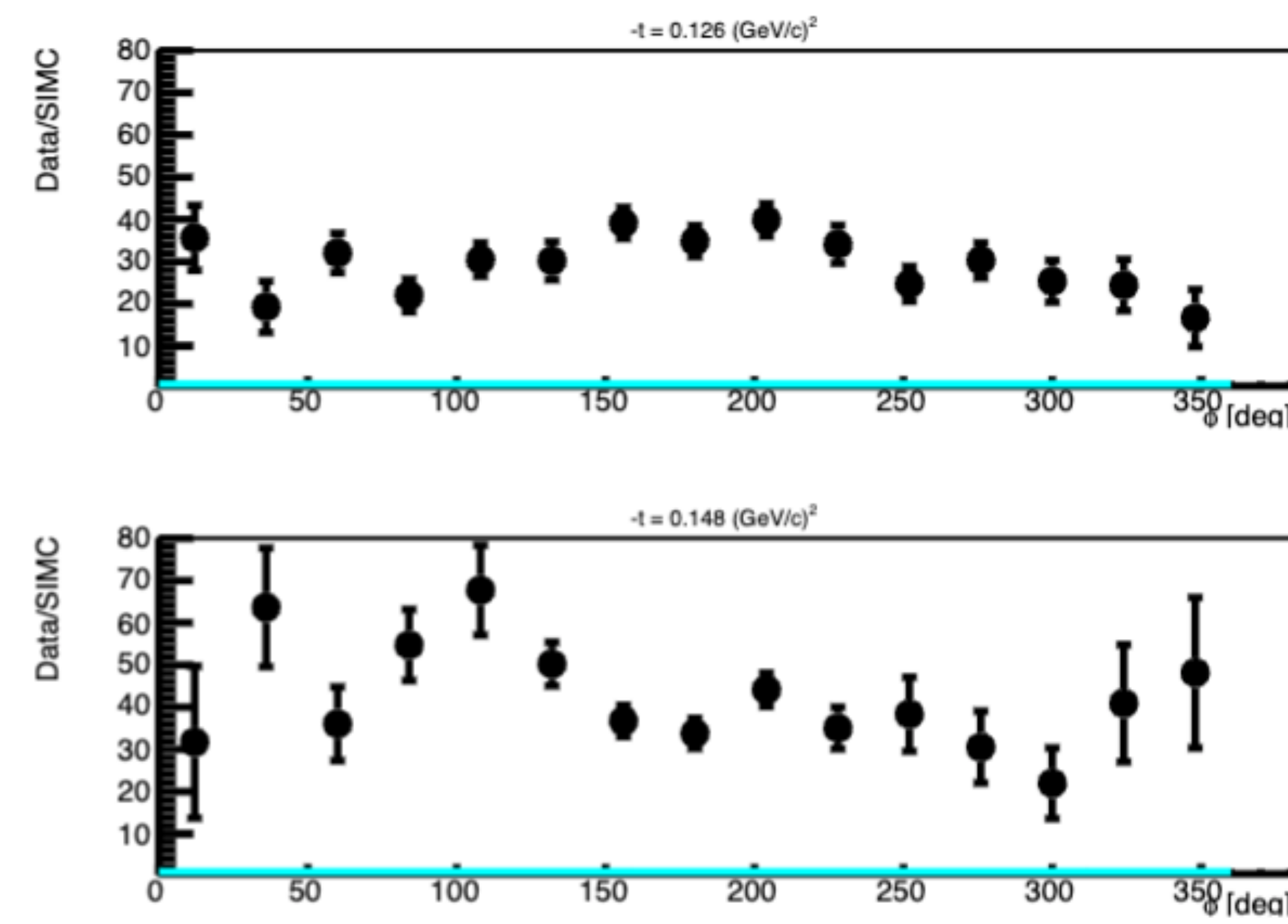
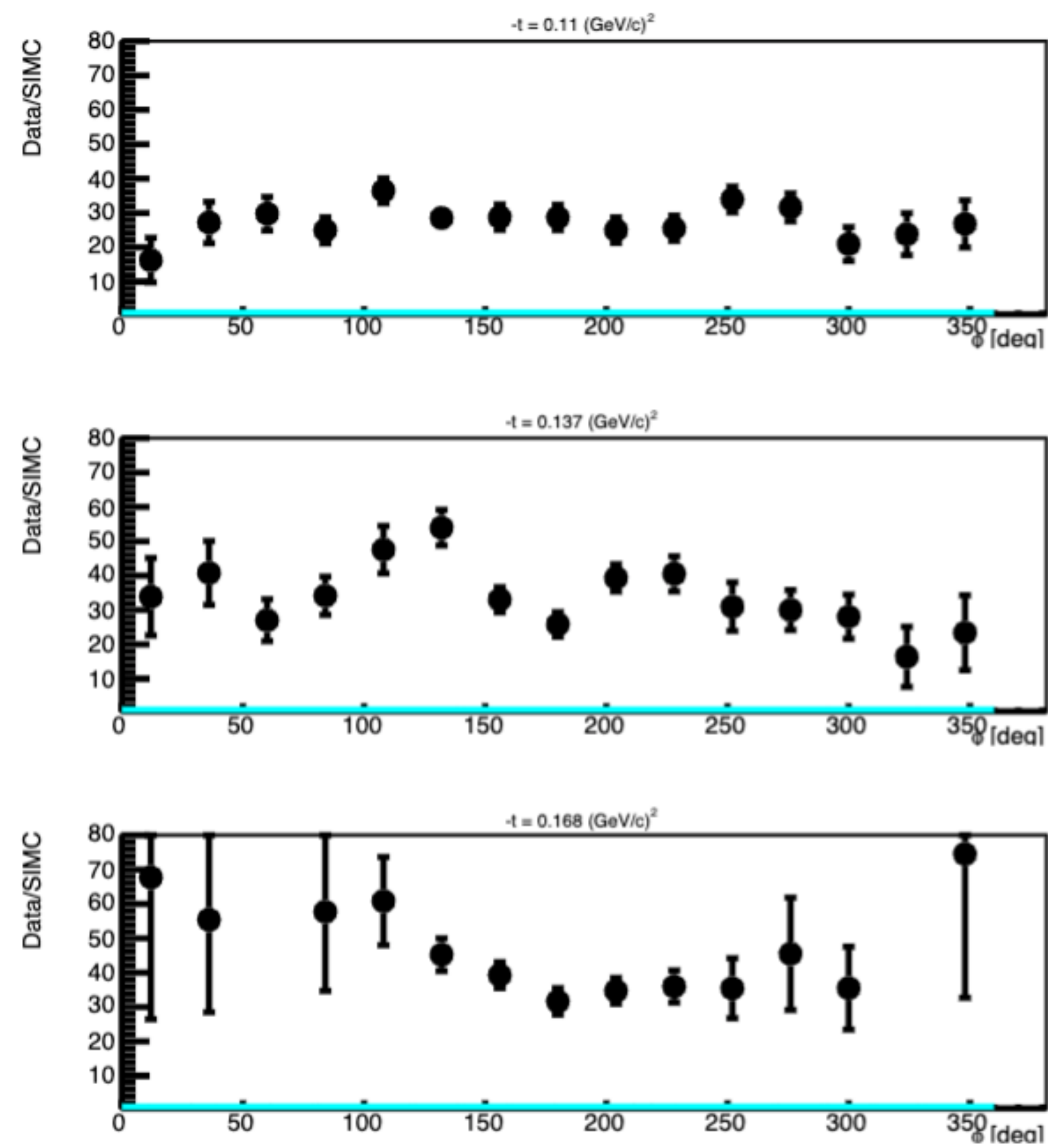


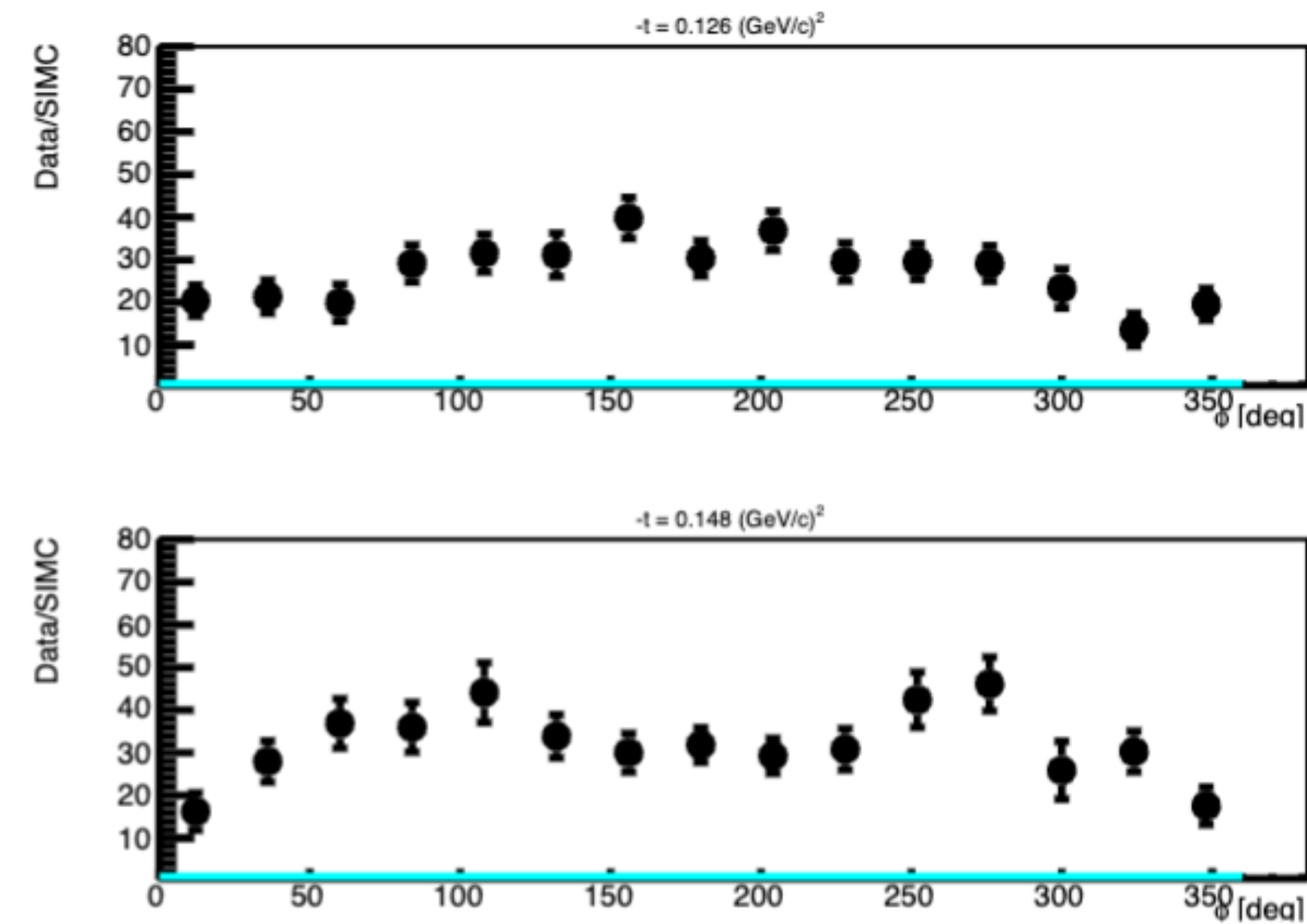
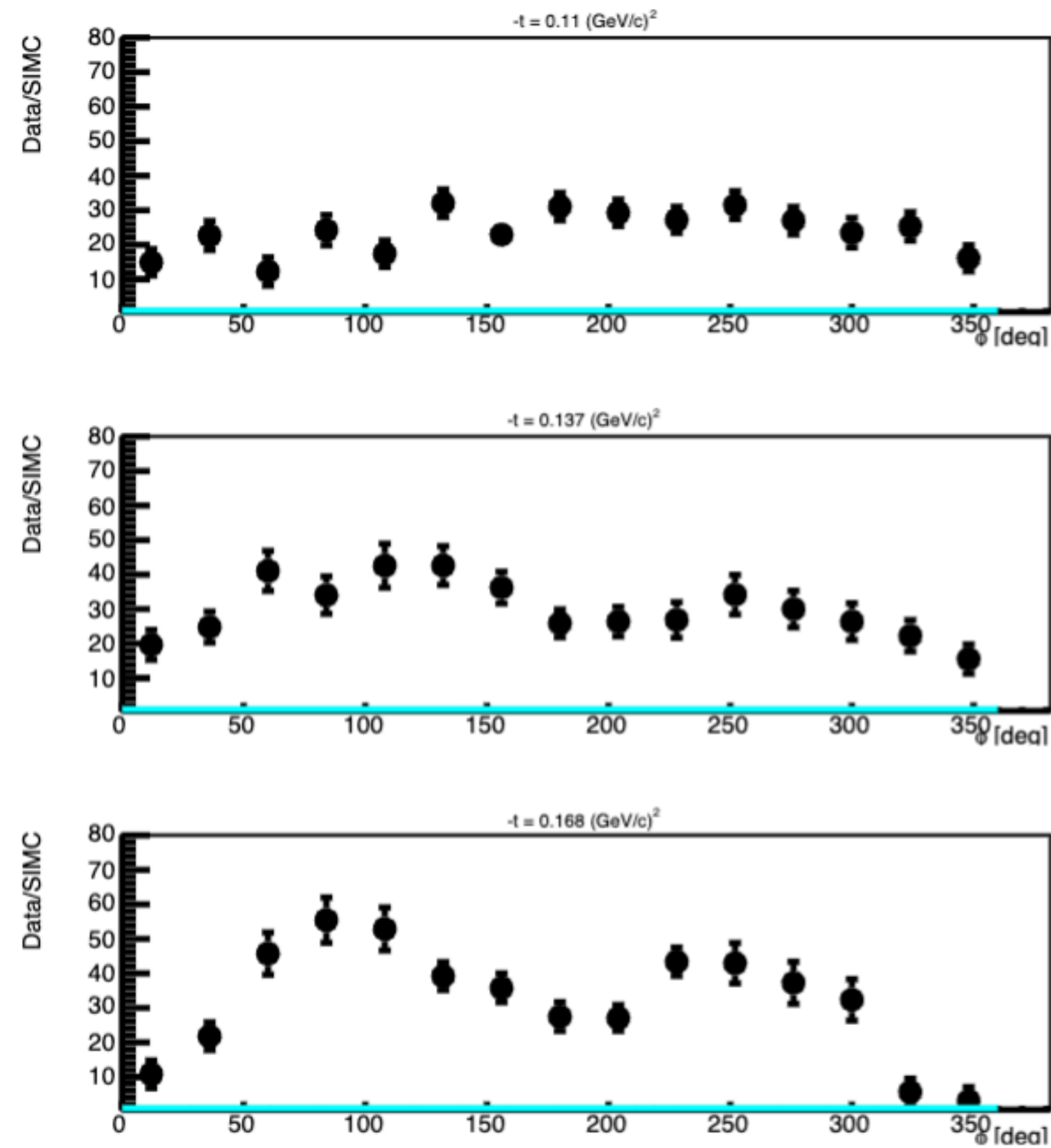
Iteration 04



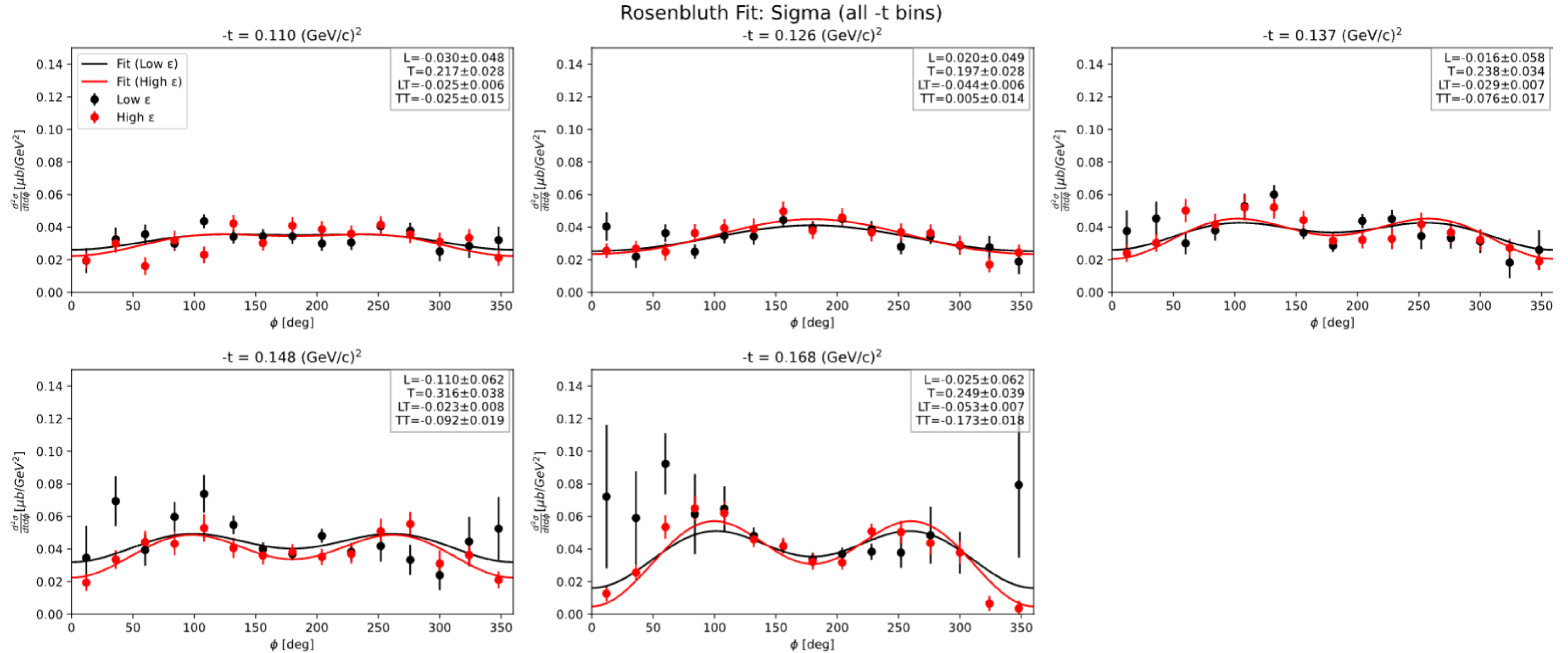
Sigma

Initial parameters
Factorized 2007
 $\text{sigLT} = \text{sigTT} = 0$

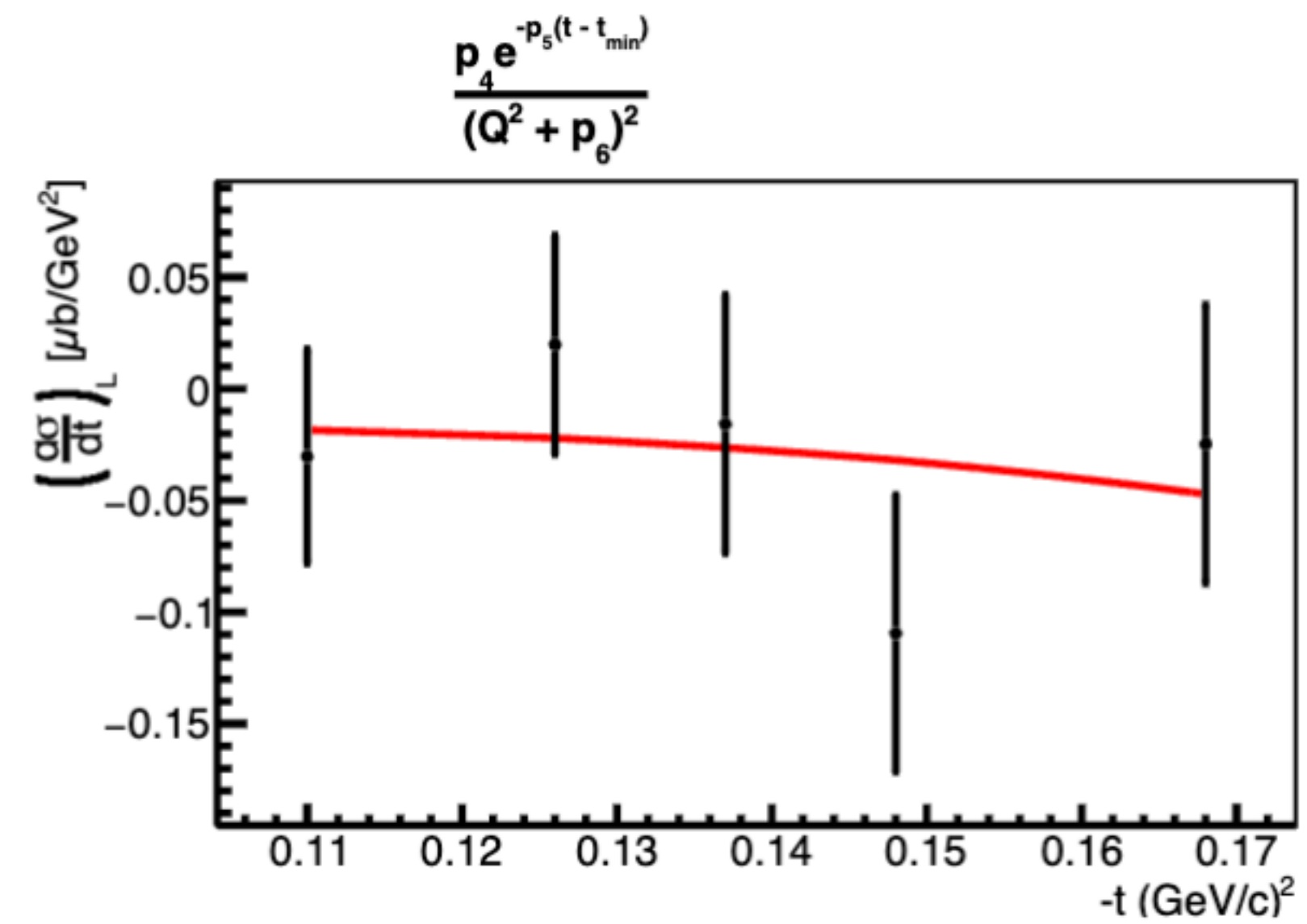
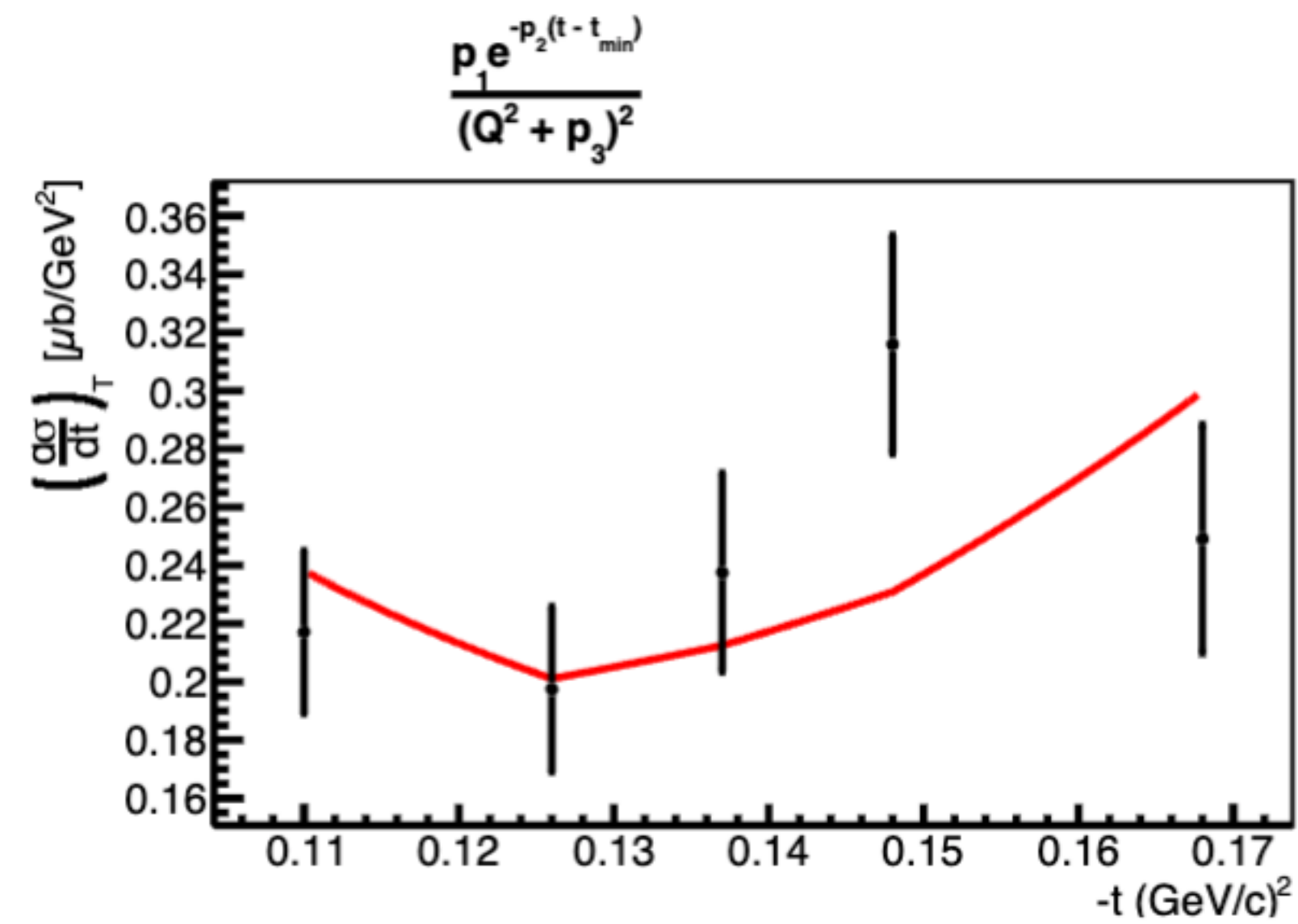




Low & High ϵ Simultaneous Fit (Rosenbluth)



L, T, LT, TT Cross Sections



Iteration 01

