



University
of Regina

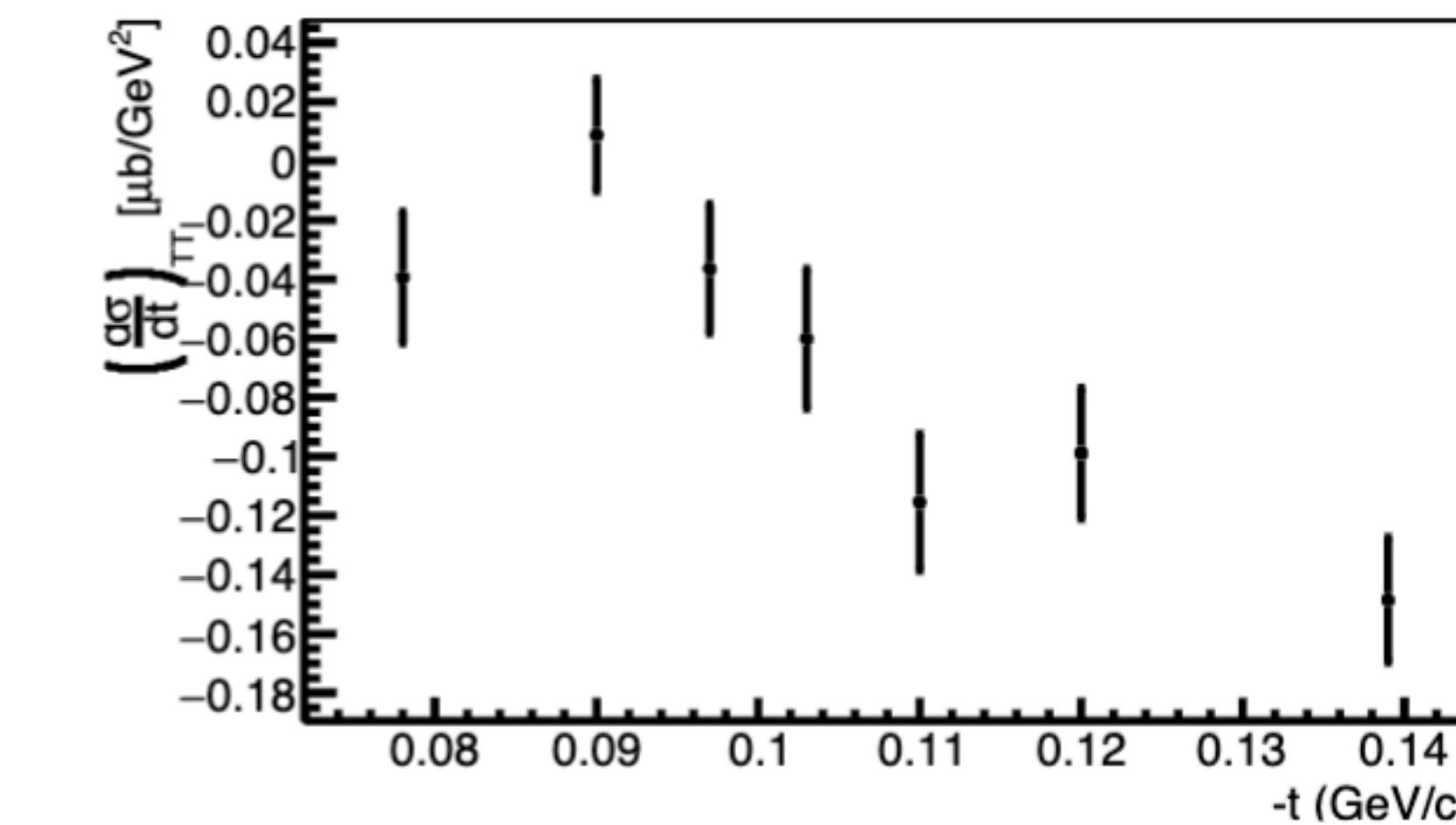
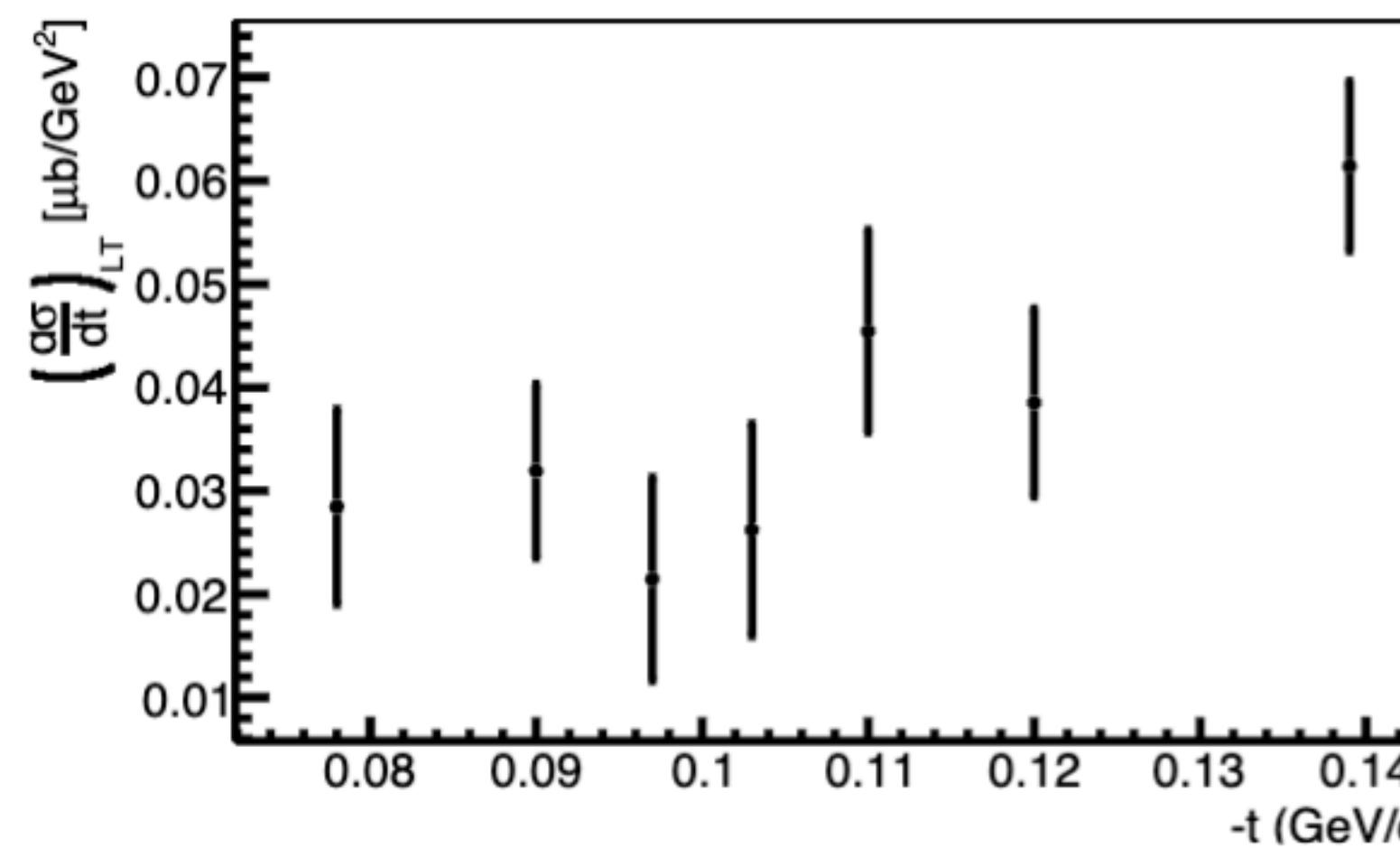
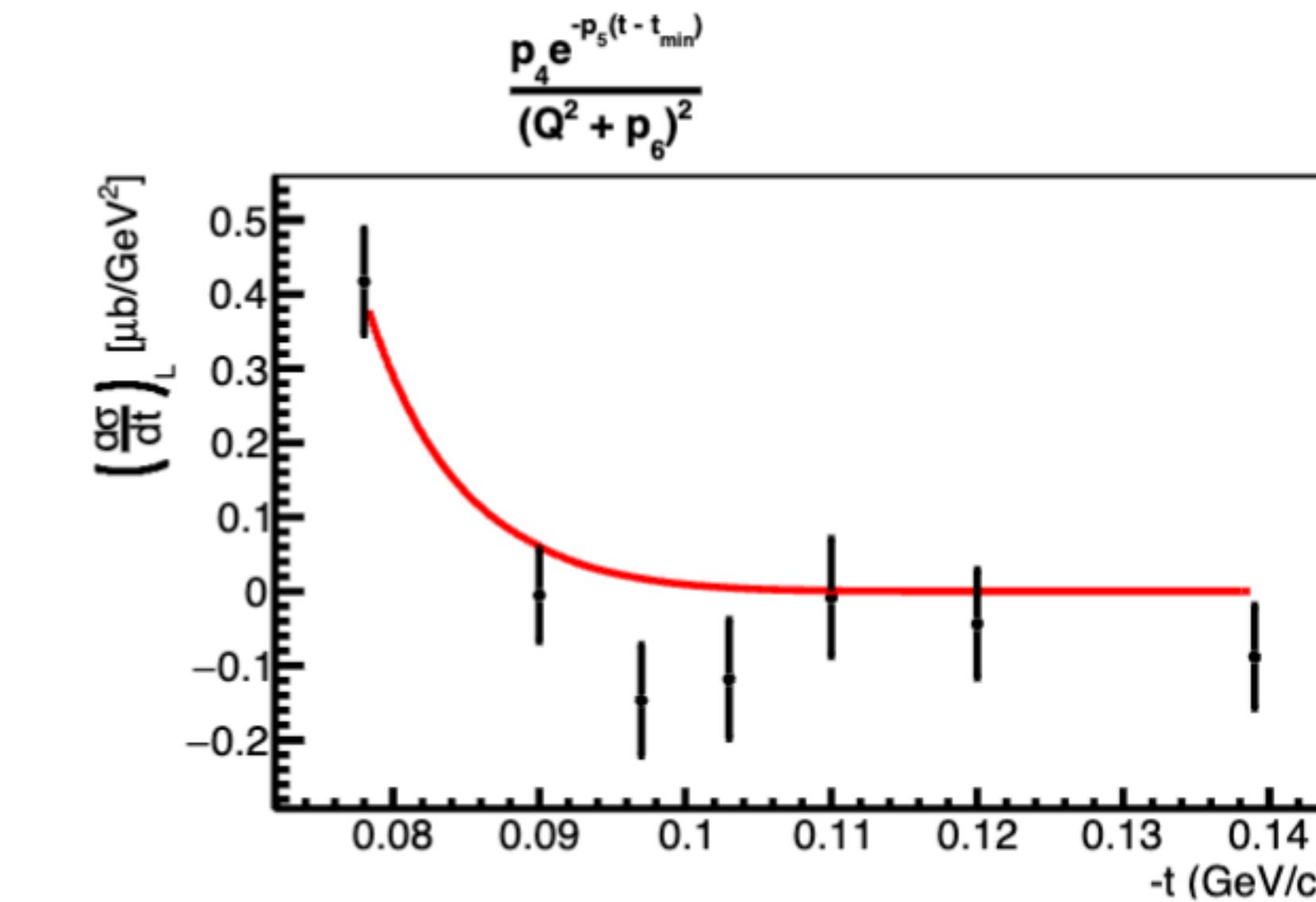
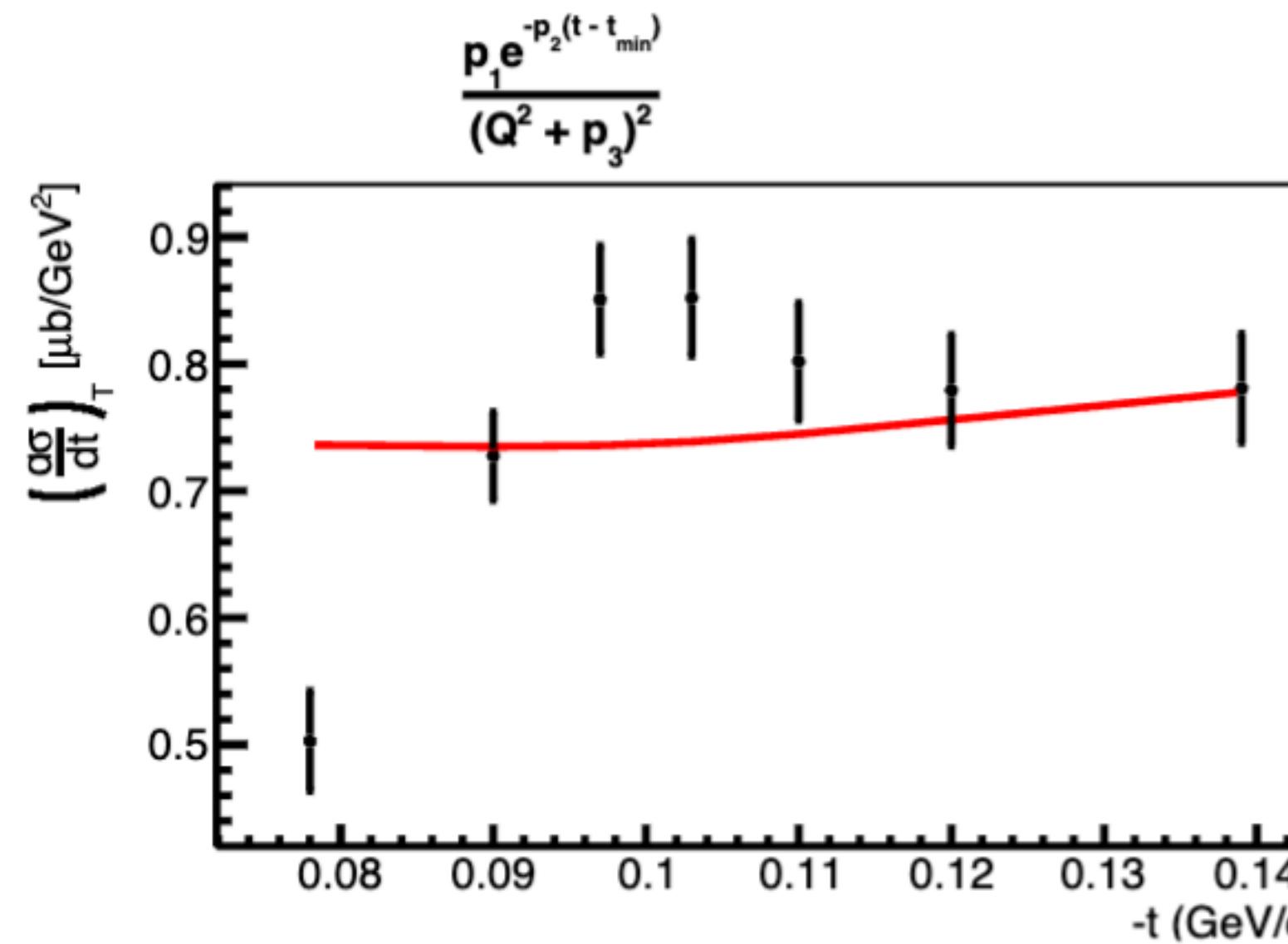
Kaon L,T, LT, TT Model Optimization - Towards Data/SIMC ~ 1 -

Abdennacer Hamdi

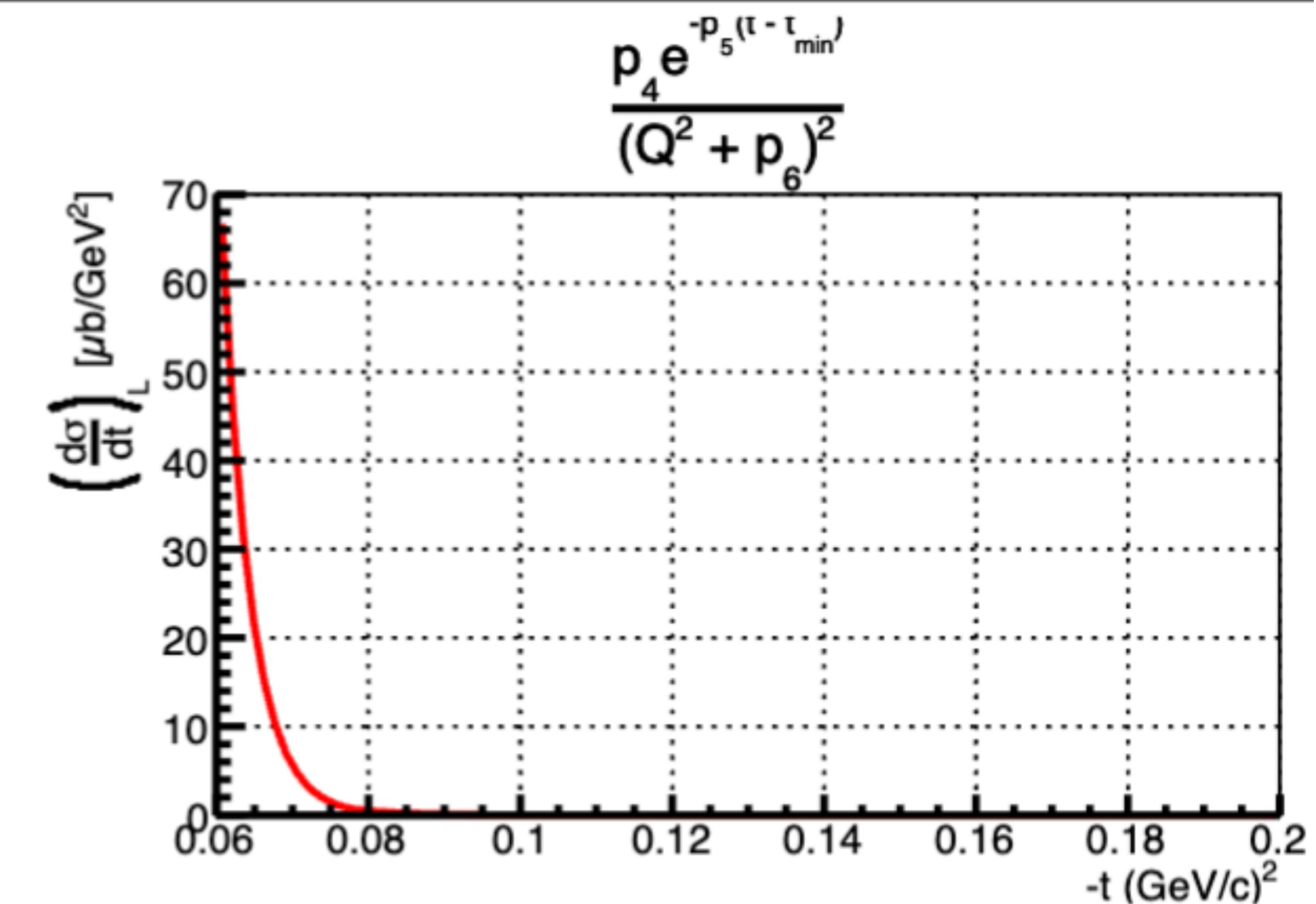
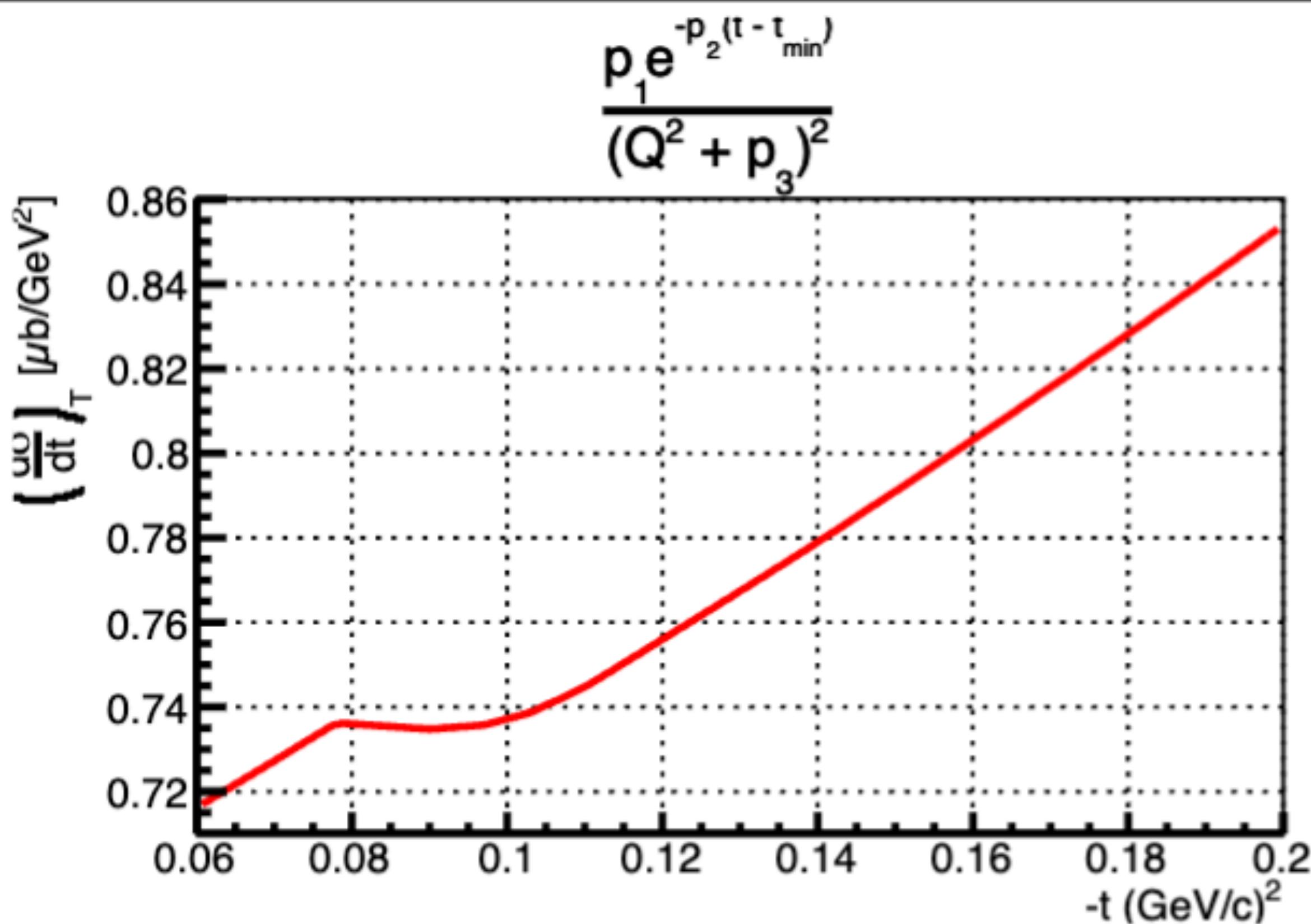
KaonLT Meeting
2025/09/25

Iteration 03

L, T, LT, TT Cross Sections

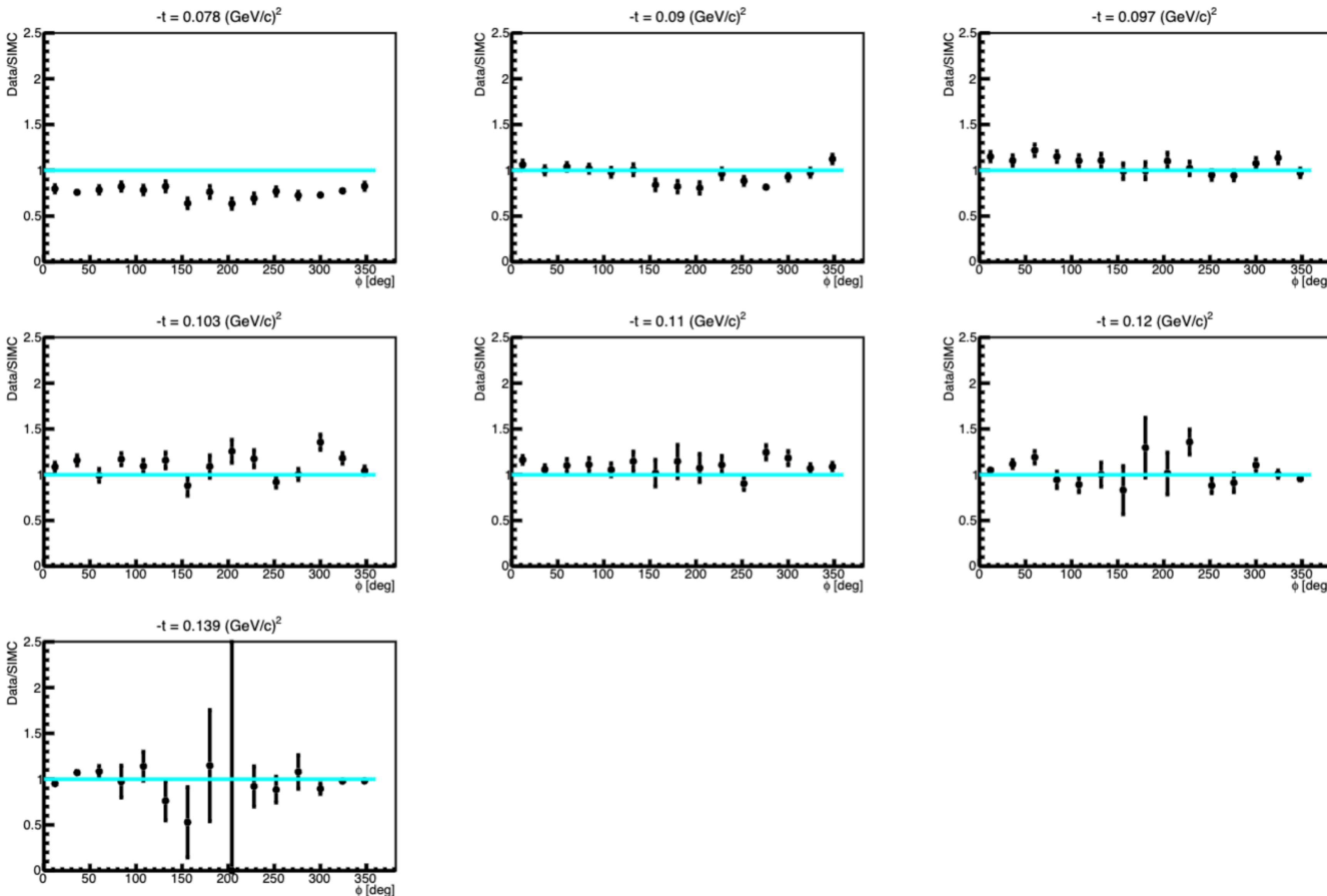


Fitting functions over SIMC -t range



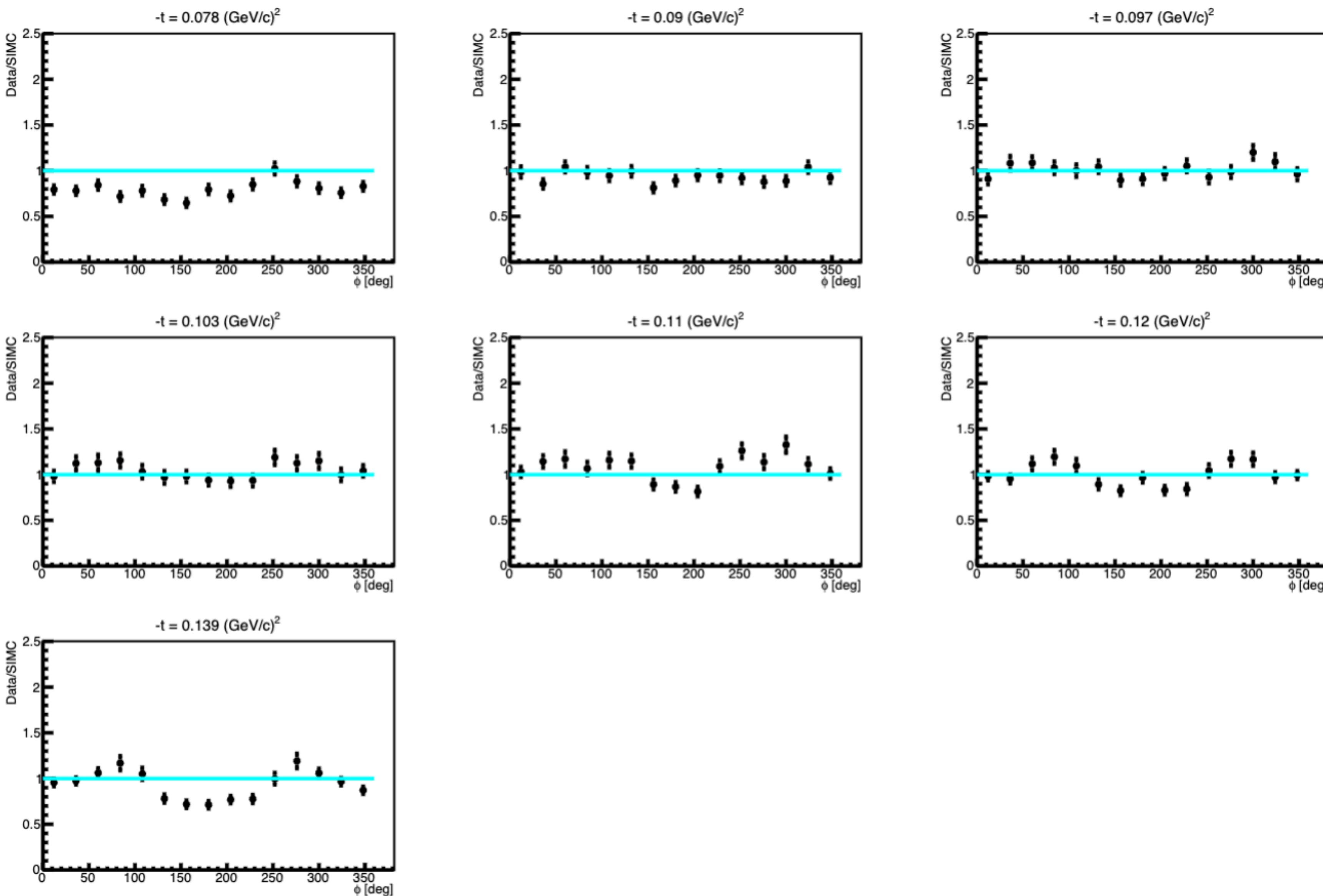
Data/SIMC Ratio

Low ϵ



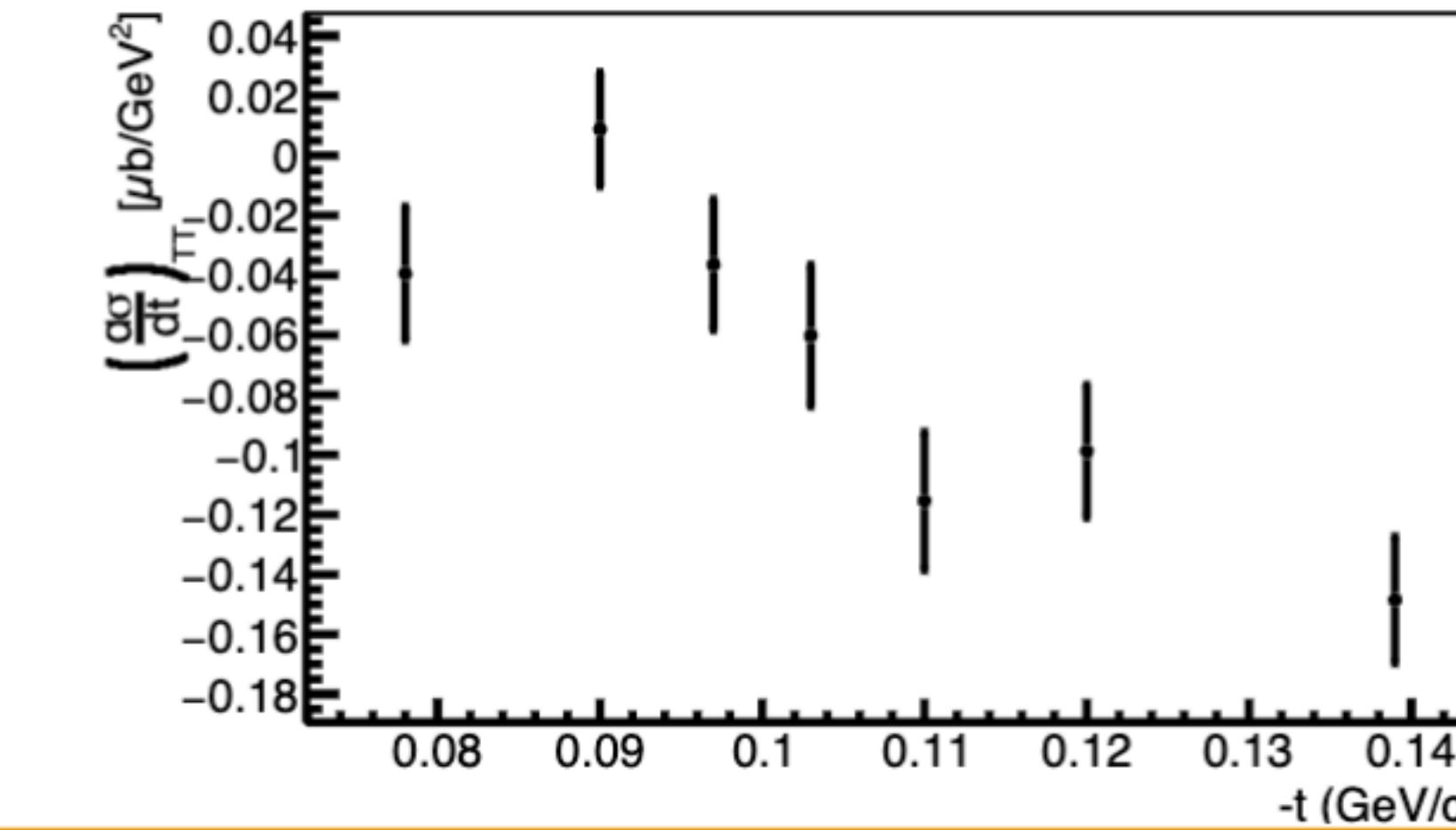
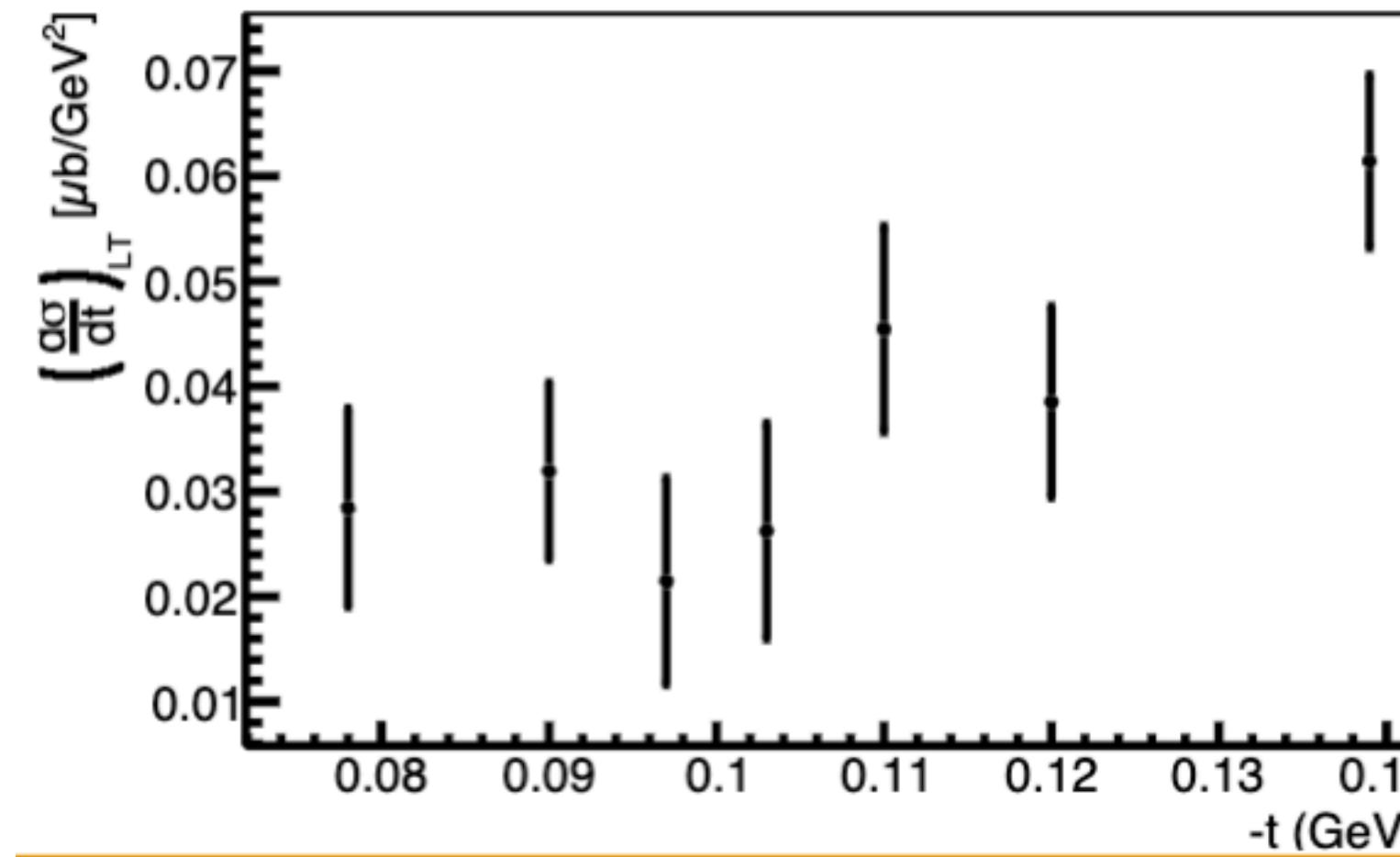
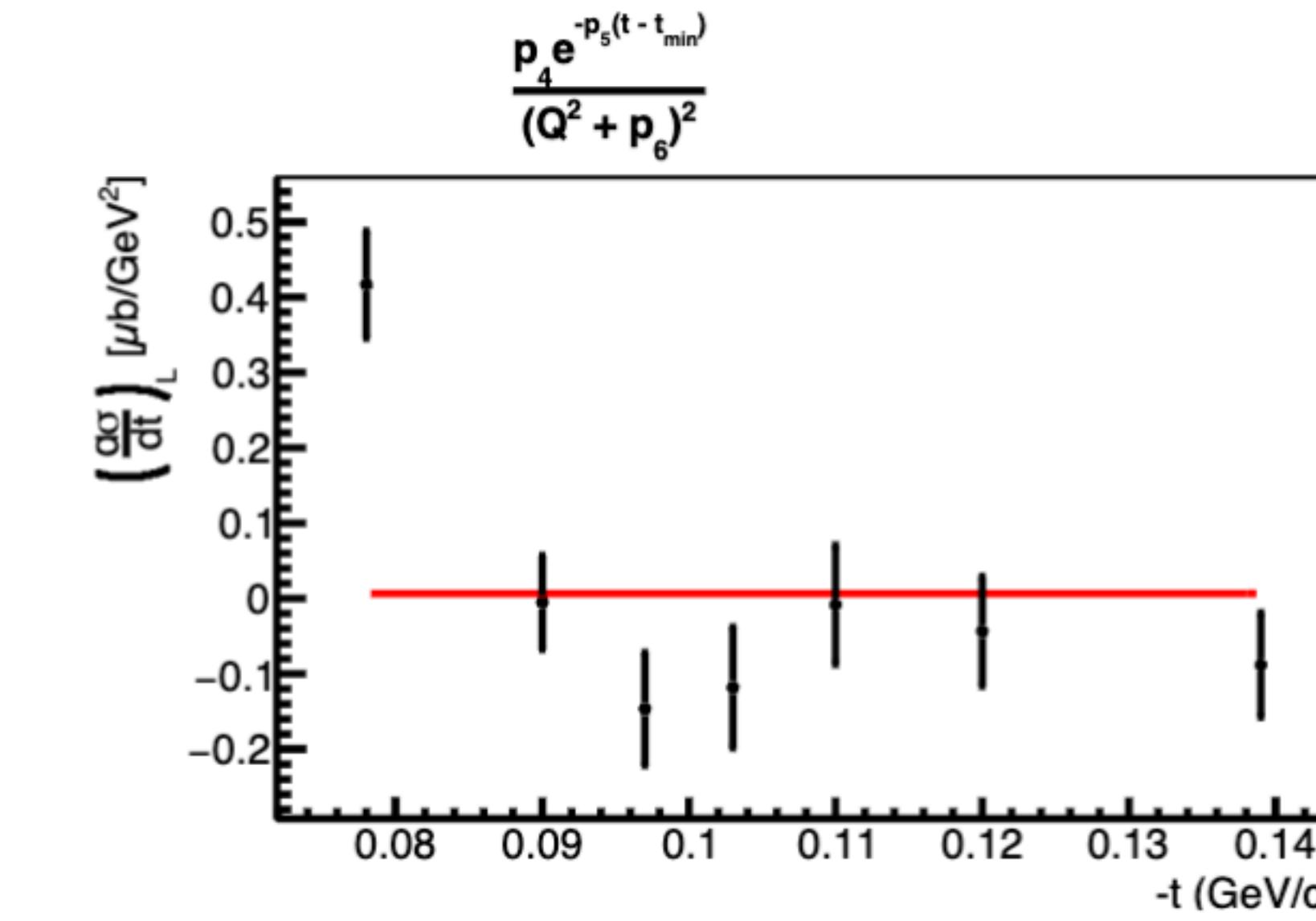
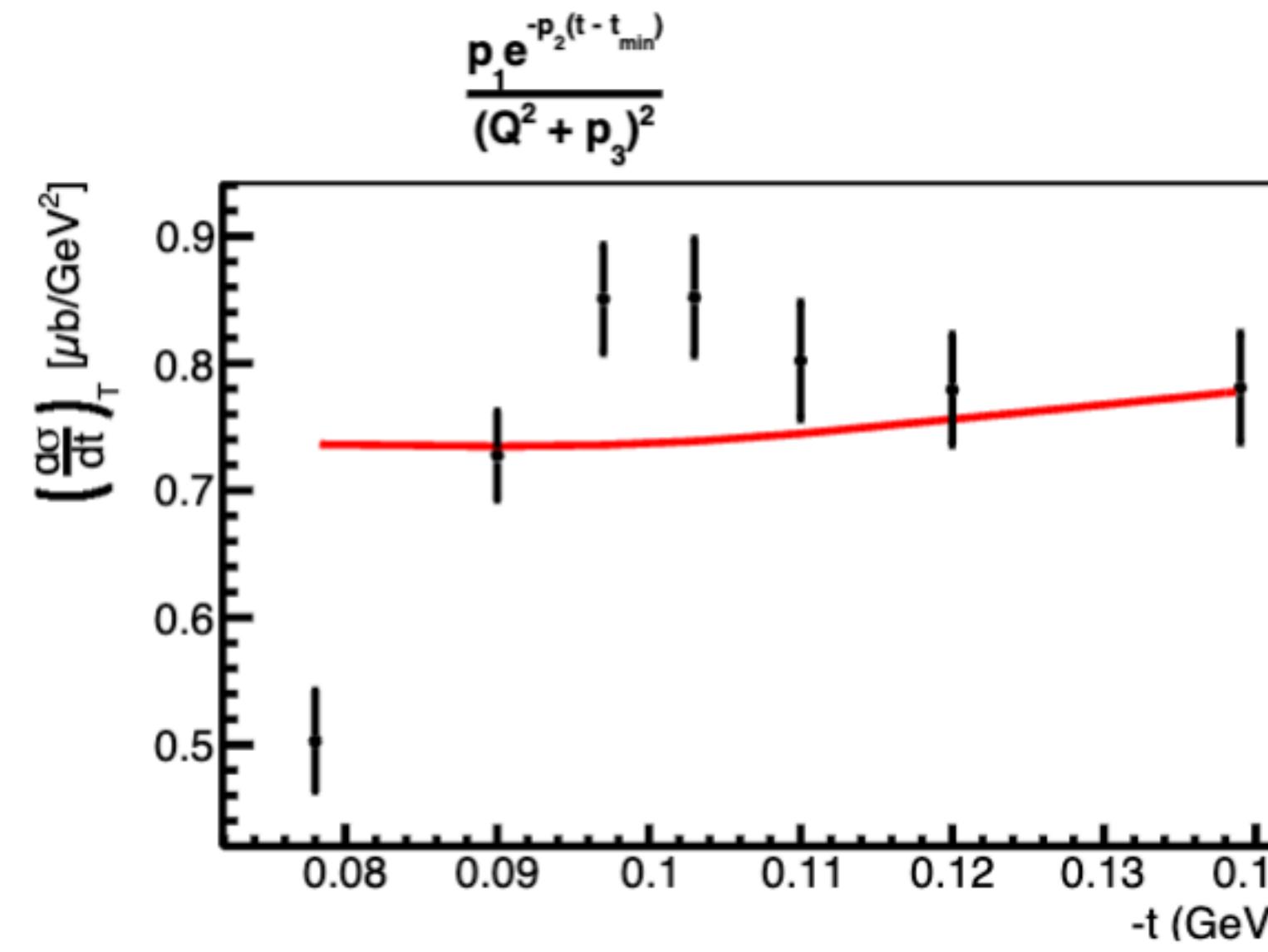
Data/SIMC Ratio

High ϵ

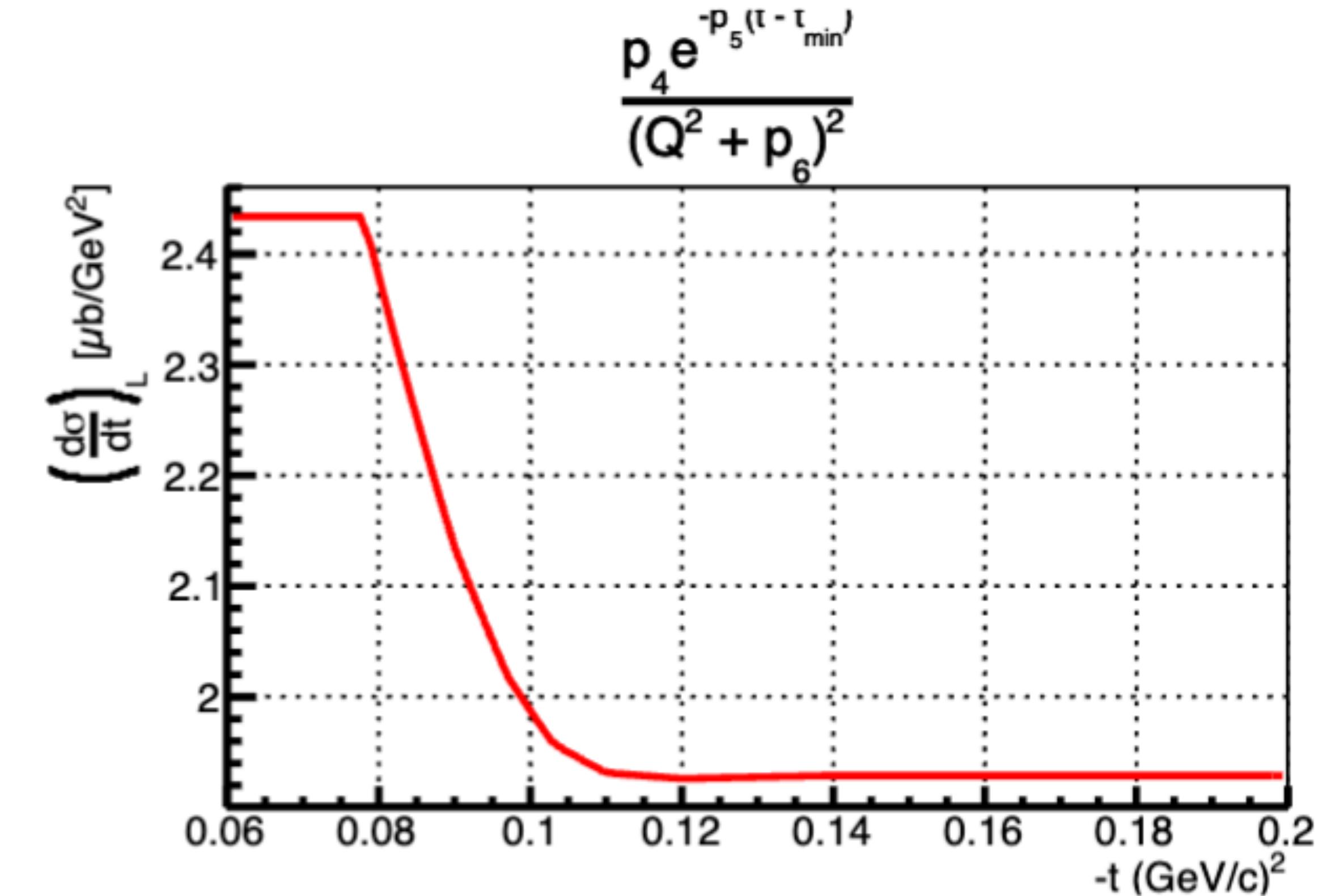
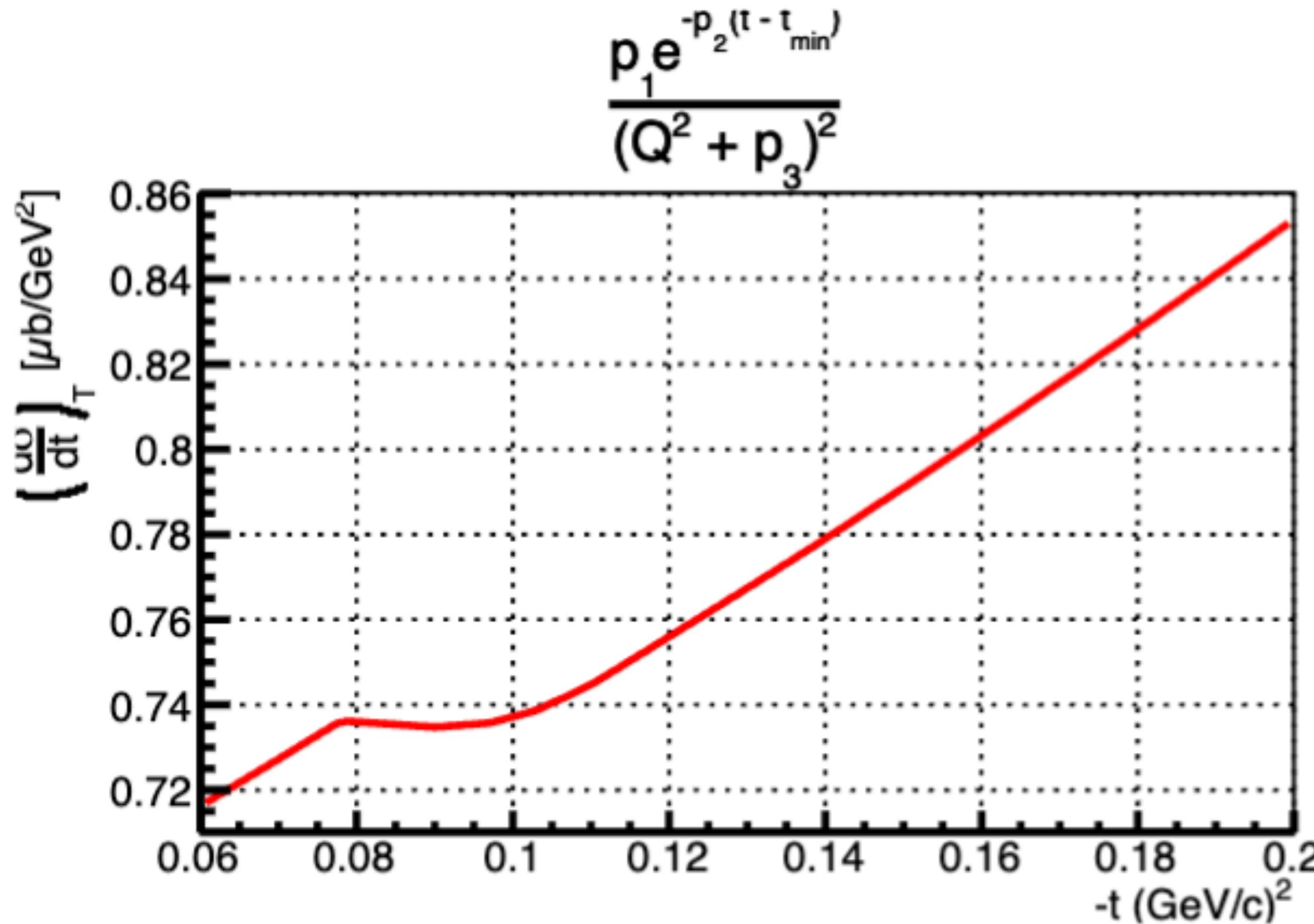


Iteration 04A: $p_5 = 0$

L, T, LT, TT Cross Sections

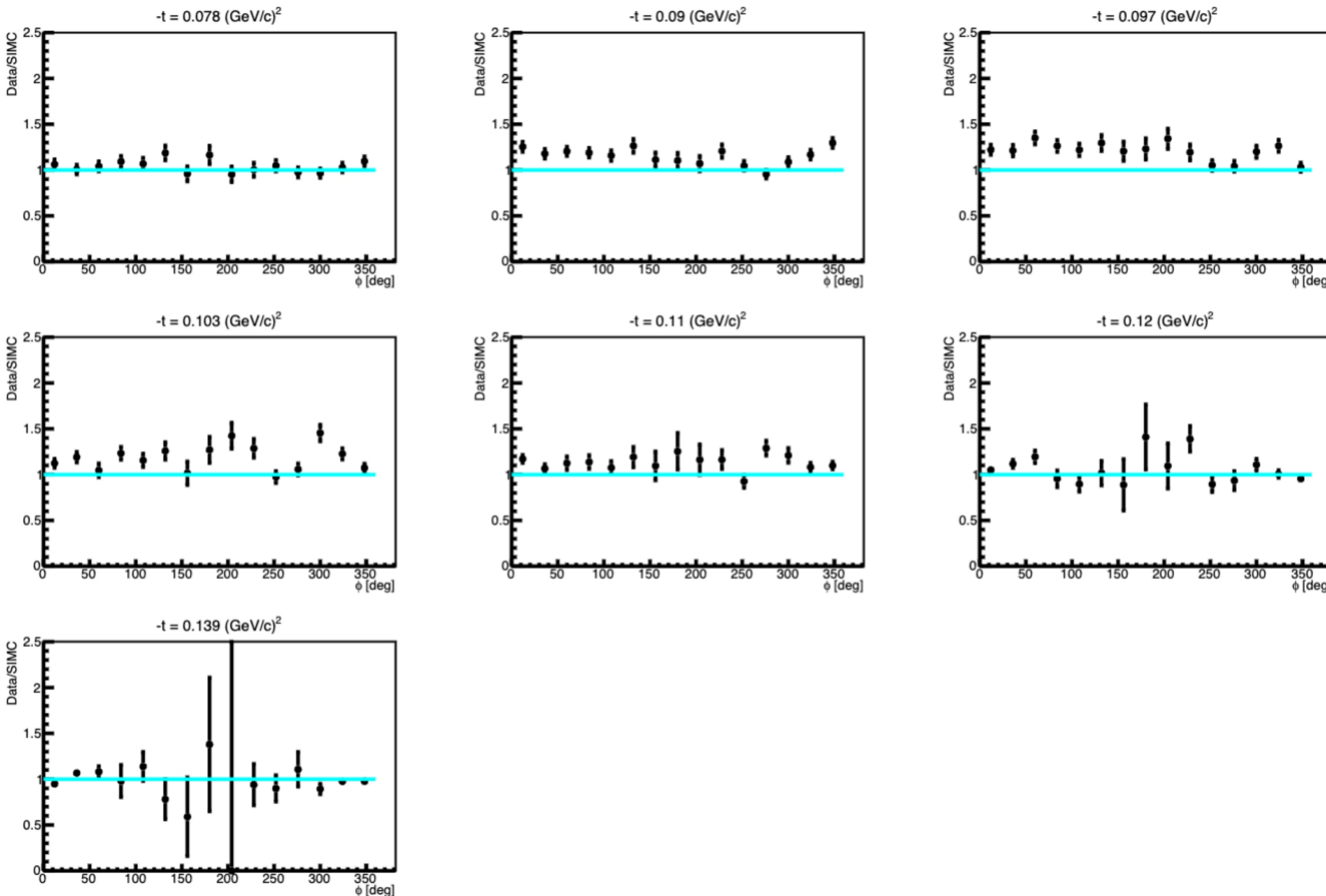


Fitting functions over SIMC -t range



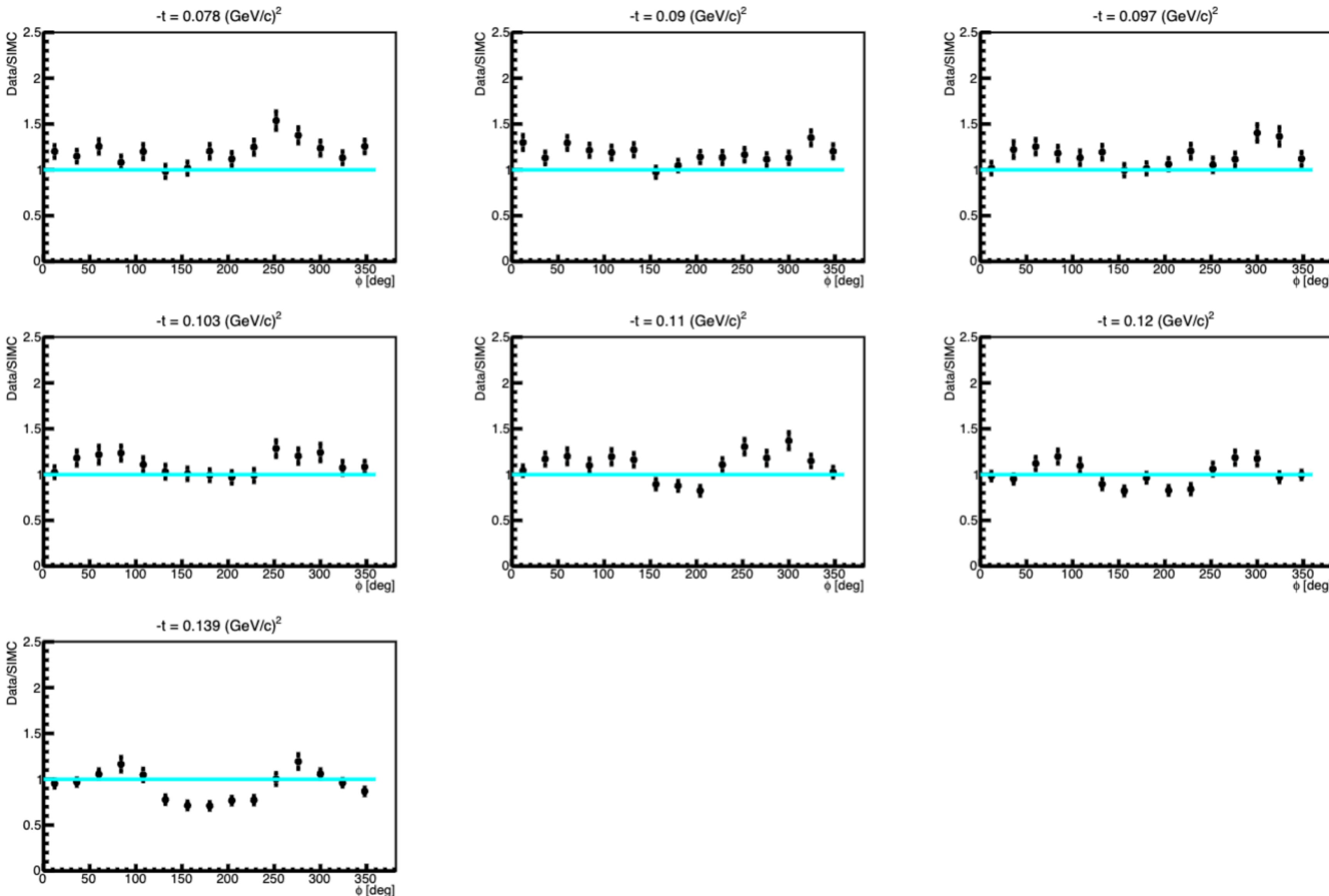
Data/SIMC Ratio

Low ϵ



Data/SIMC Ratio

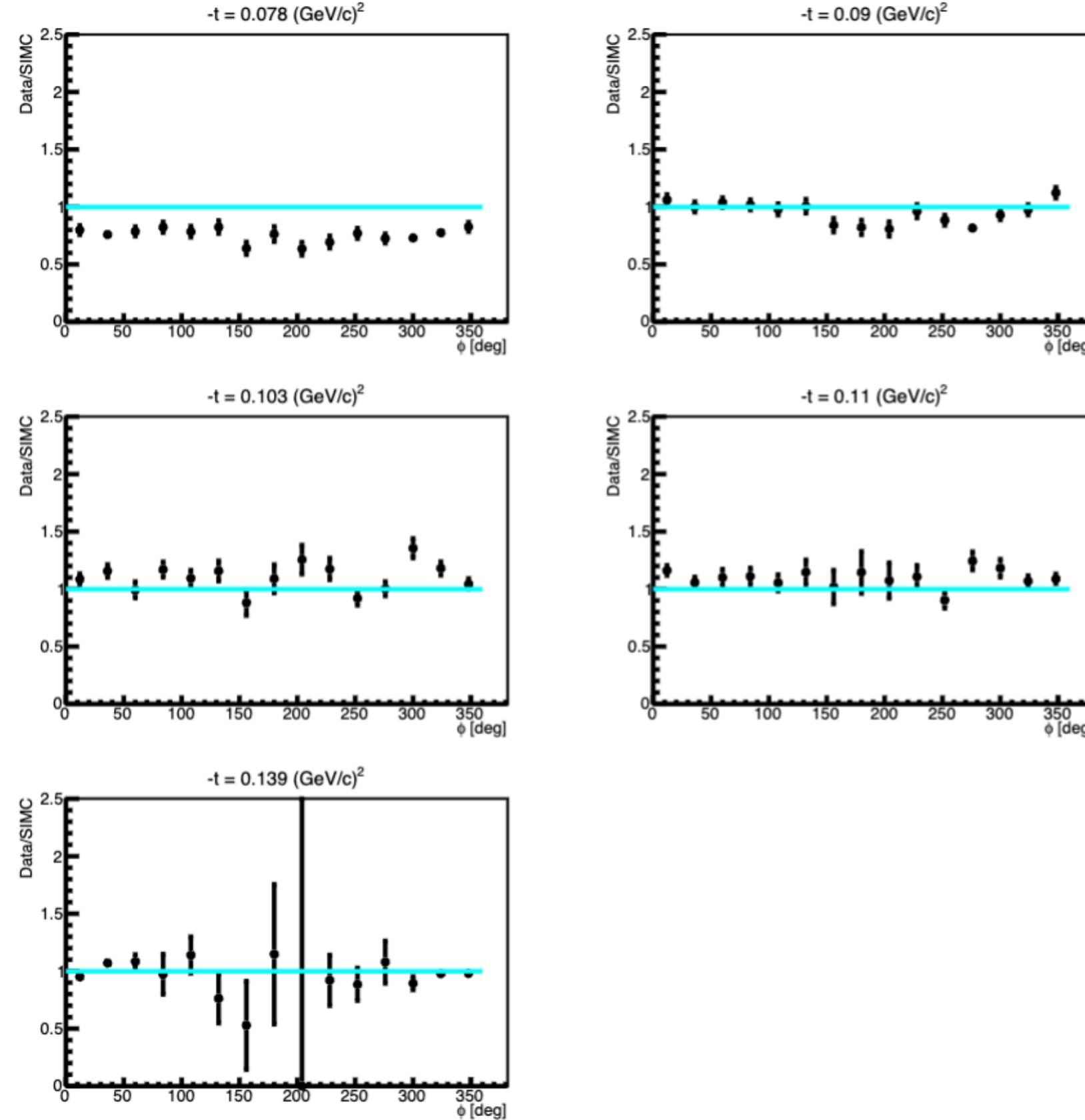
High ϵ



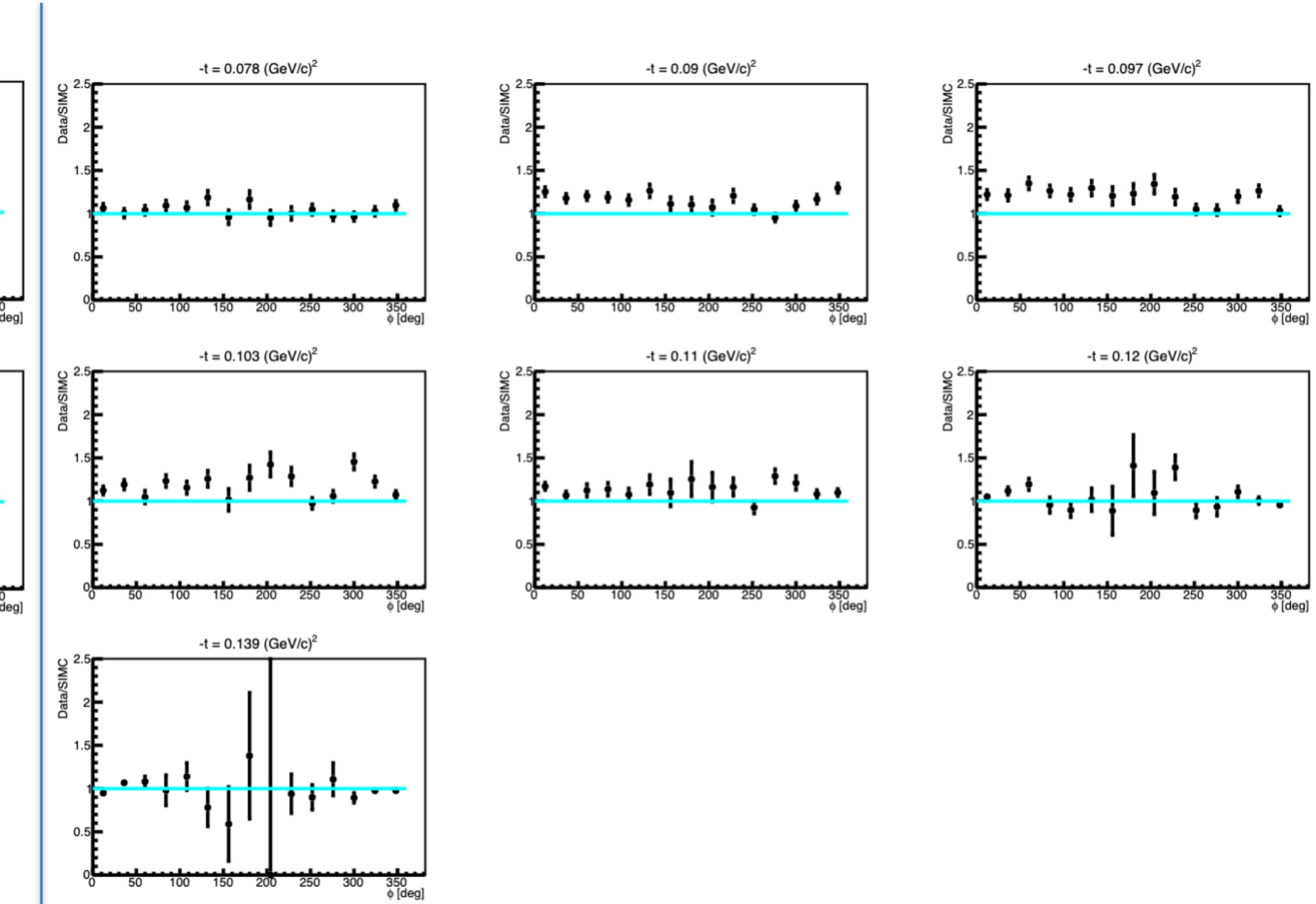
Data/SIMC Ratio

Low ϵ

Iteration 03



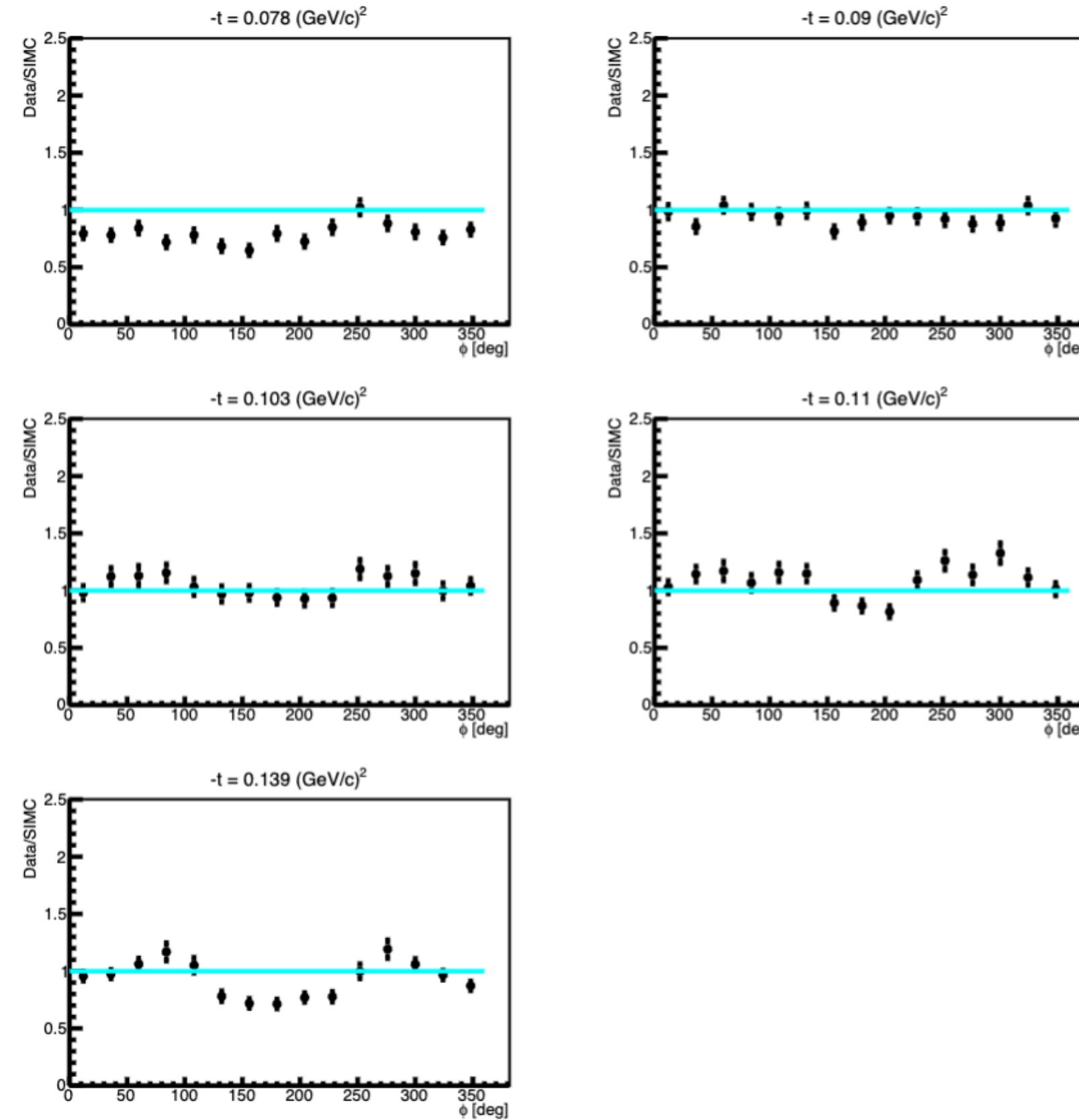
Iteration 04A



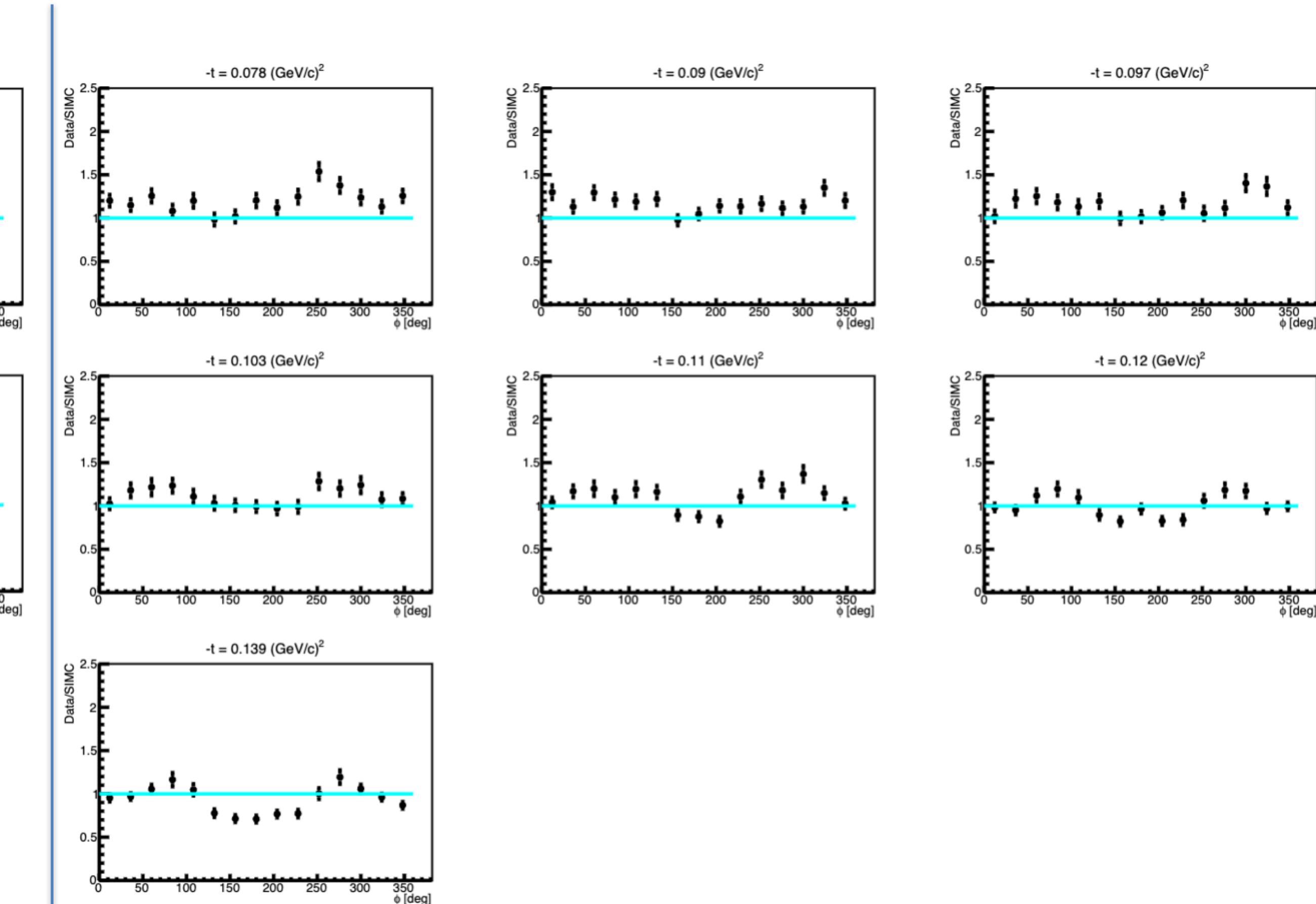
Data/SIMC Ratio

High ϵ

Iteration 03

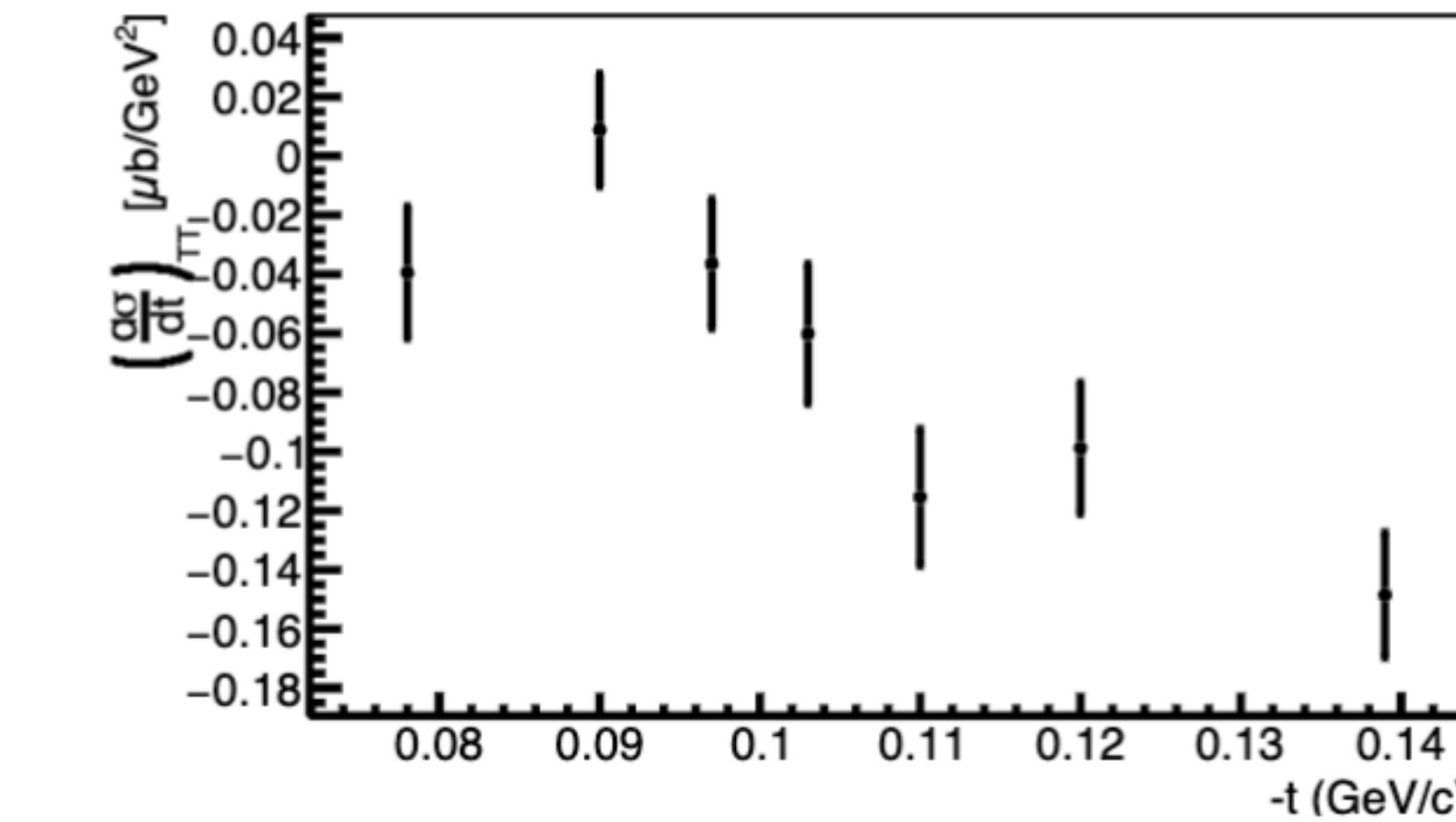
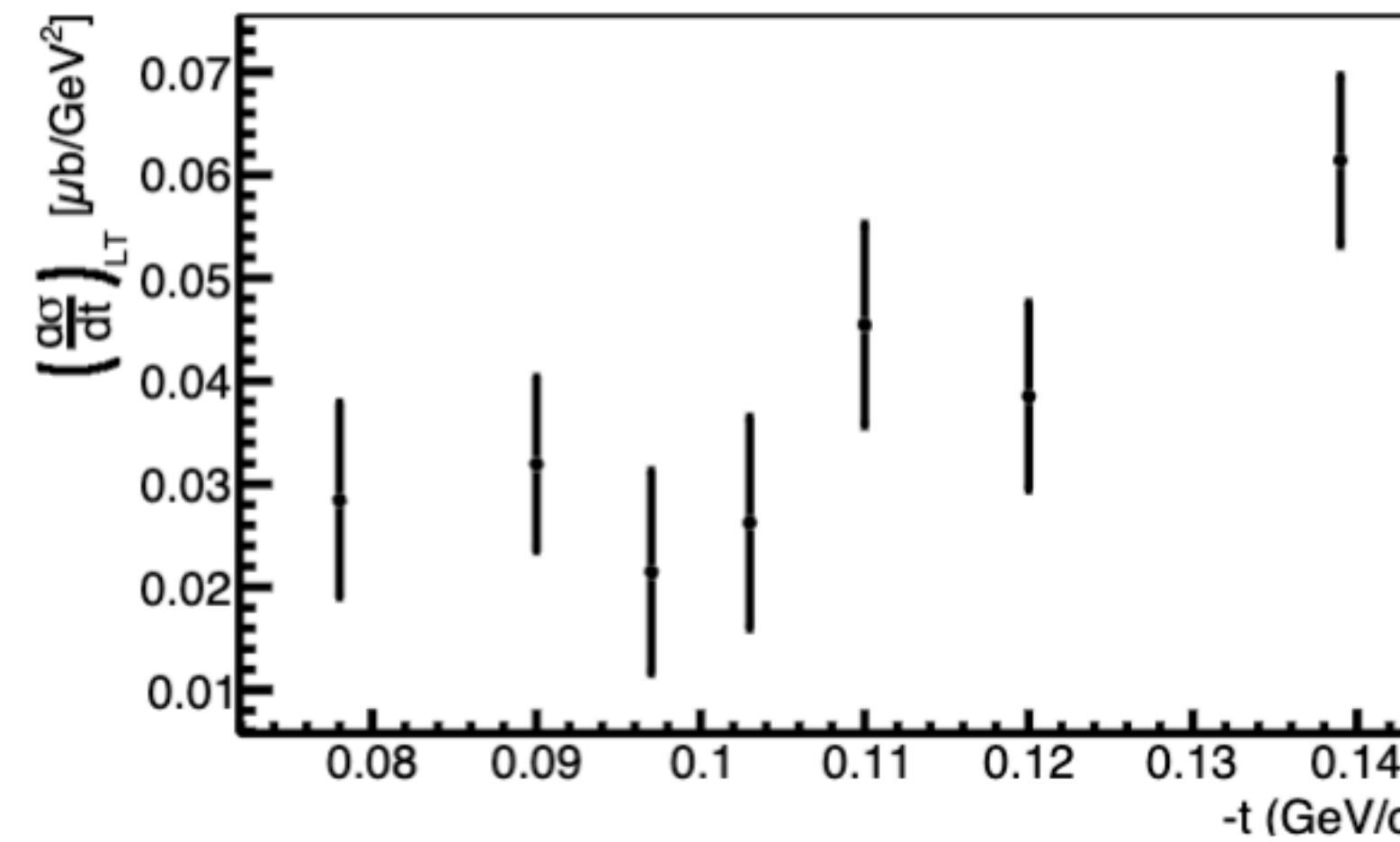
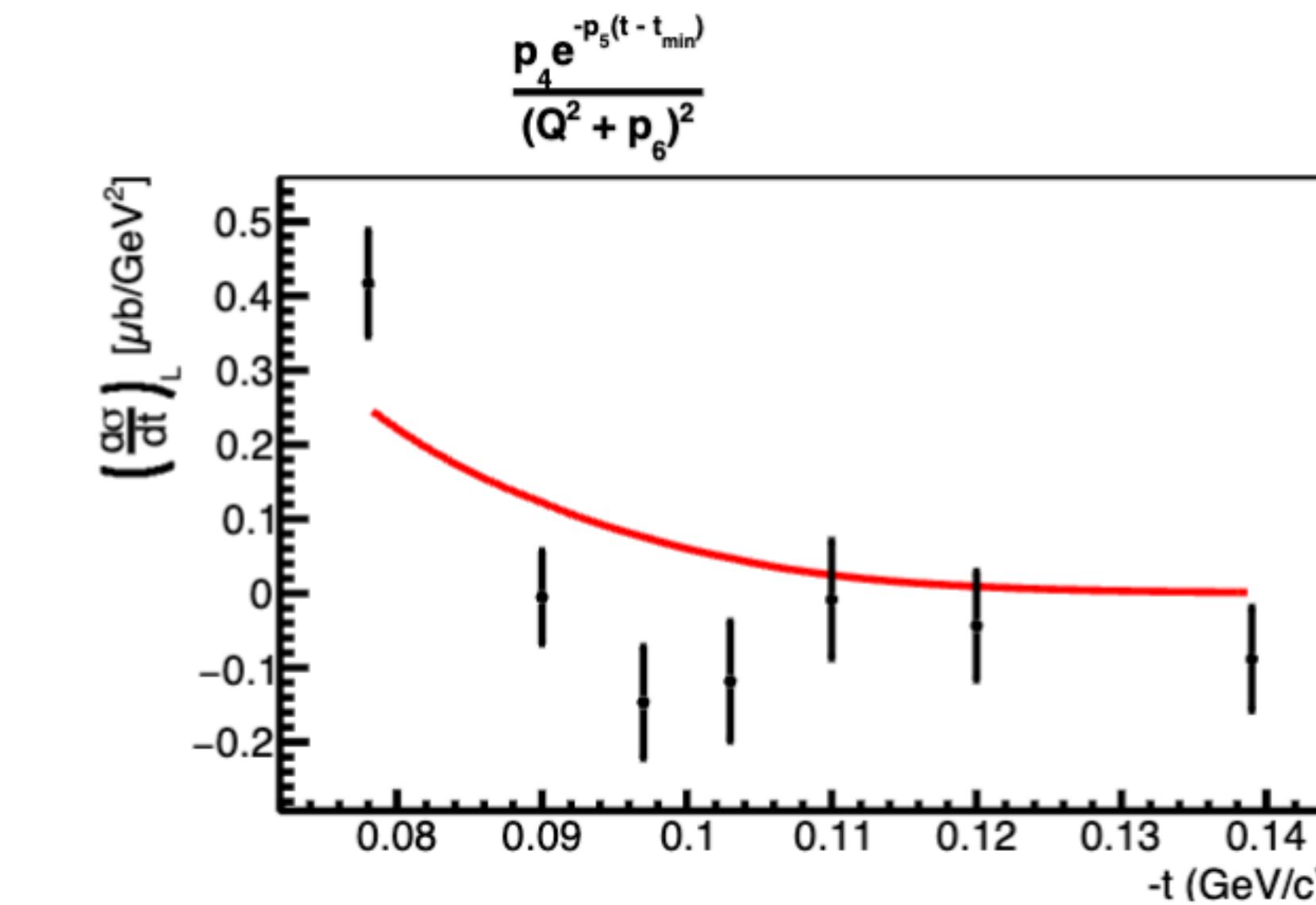
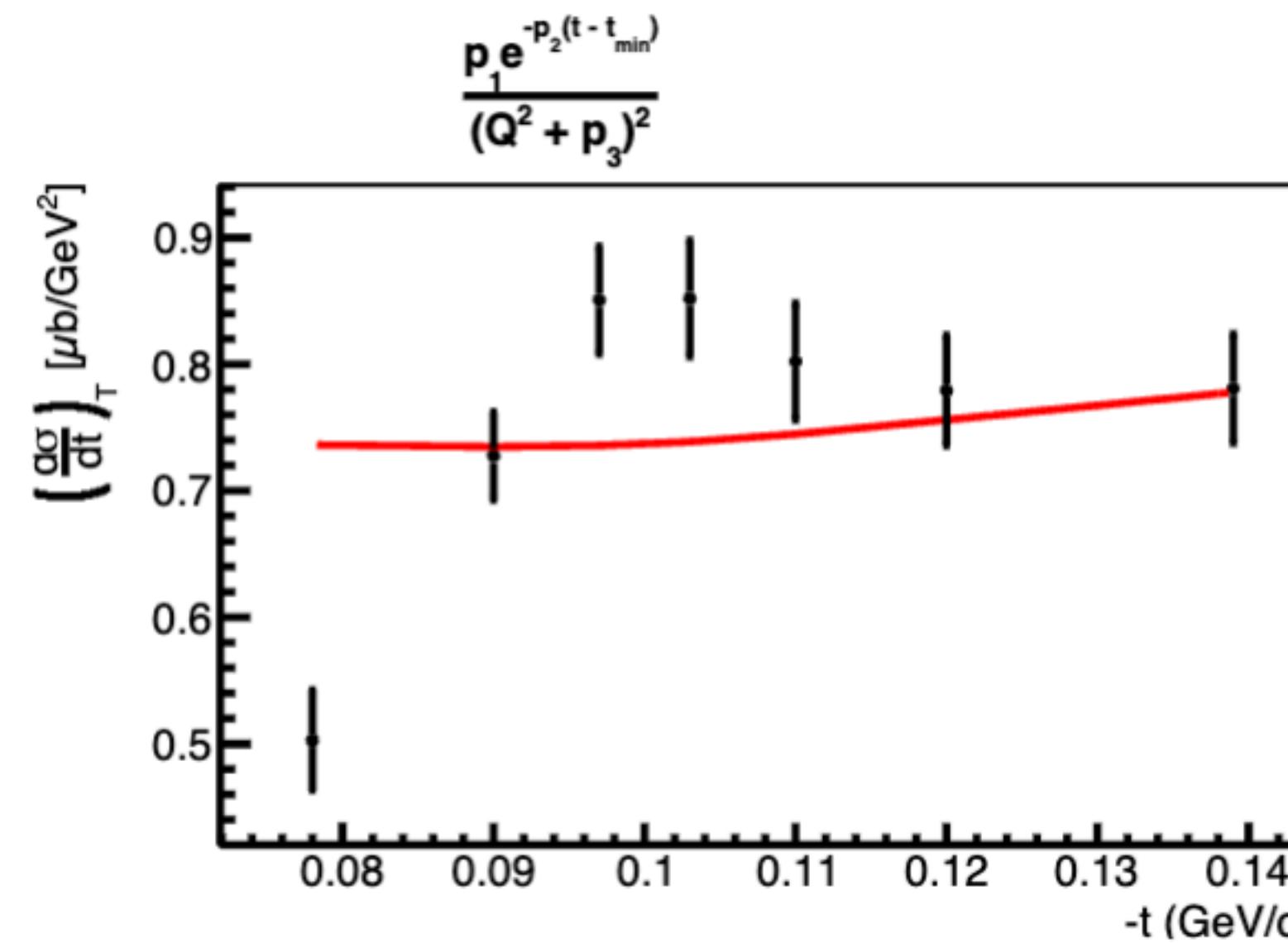


Iteration 04A

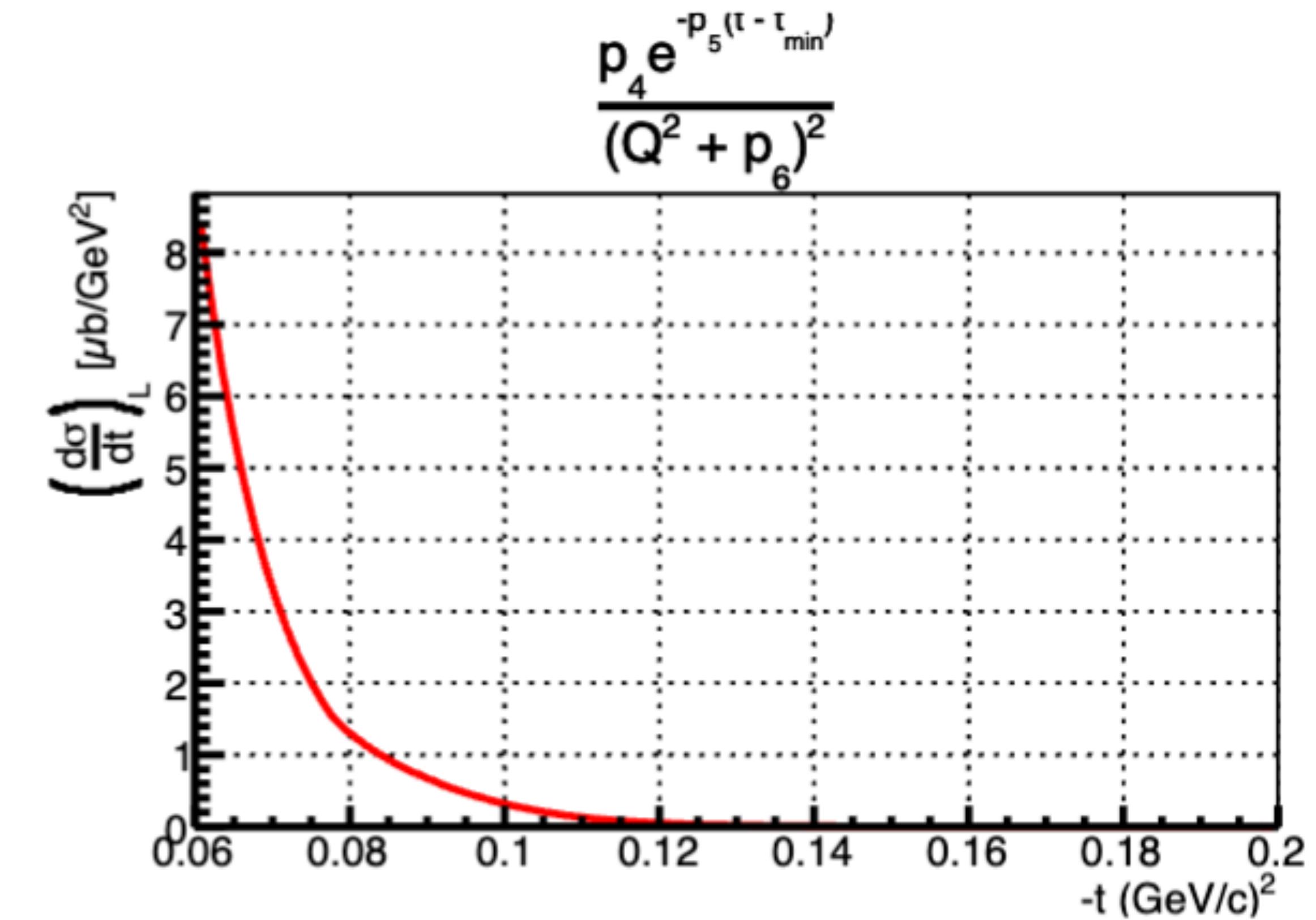
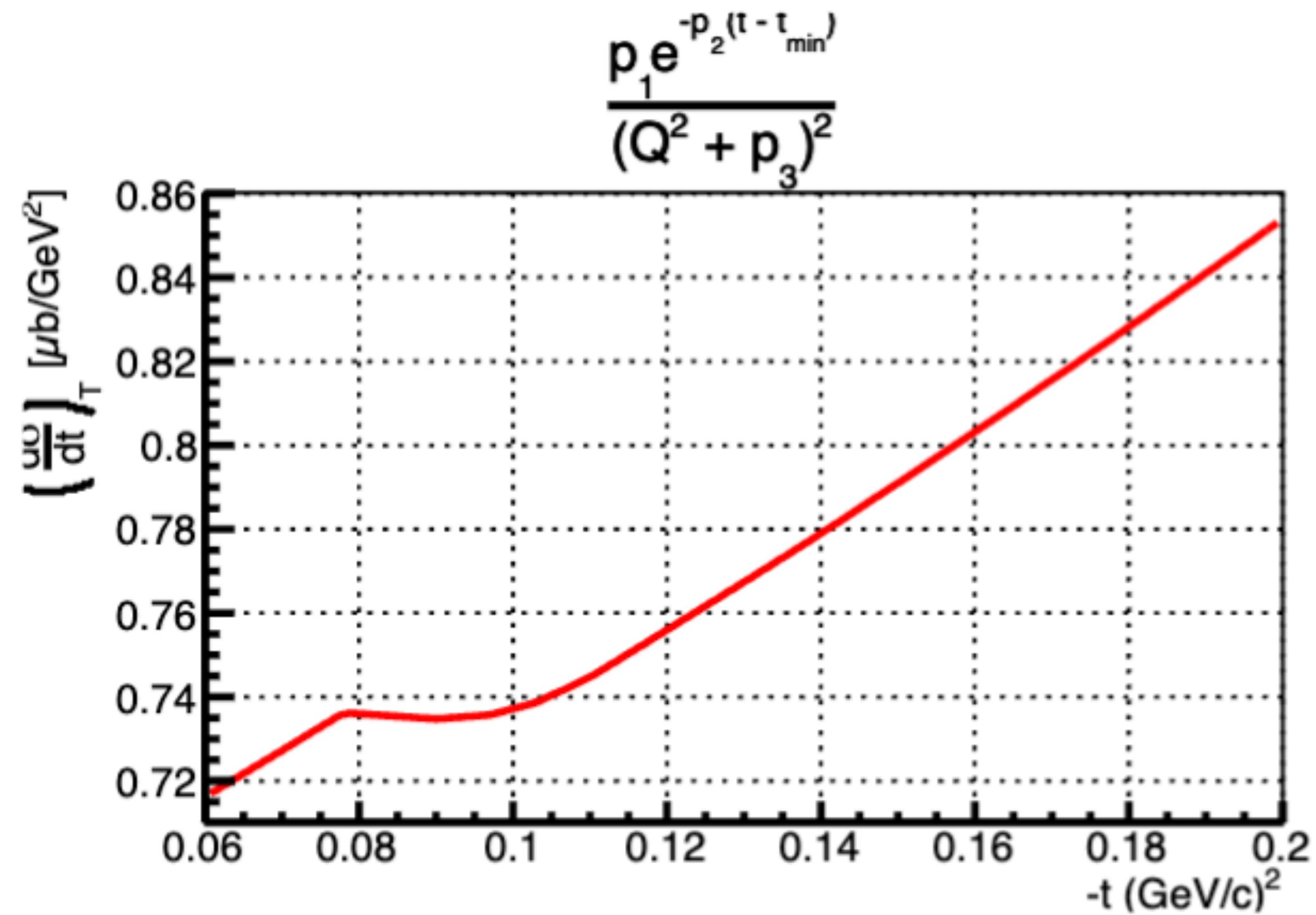


Iteration 04B: p5 = 100

L, T, LT, TT Cross Sections

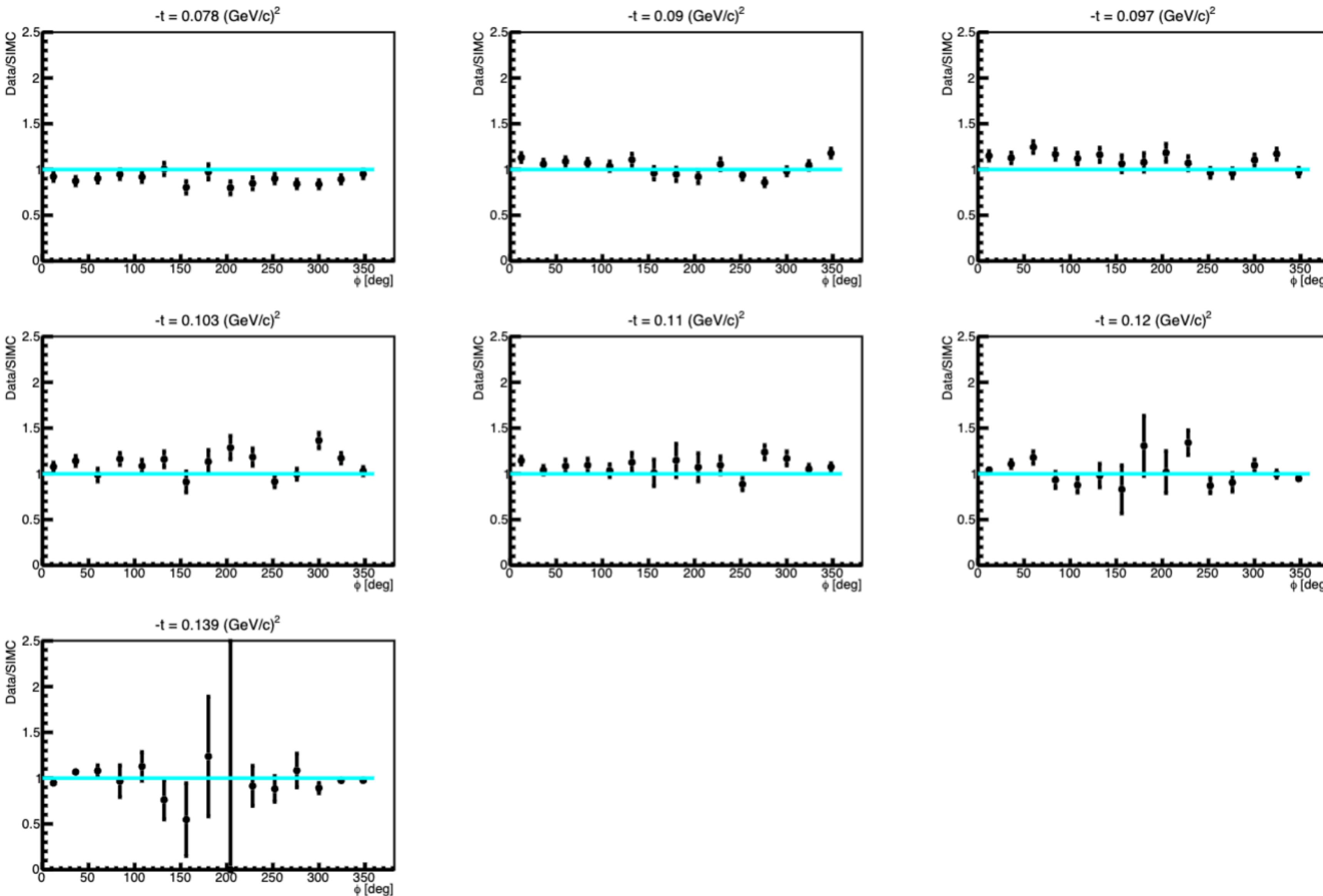


Fitting functions over SIMC -t range



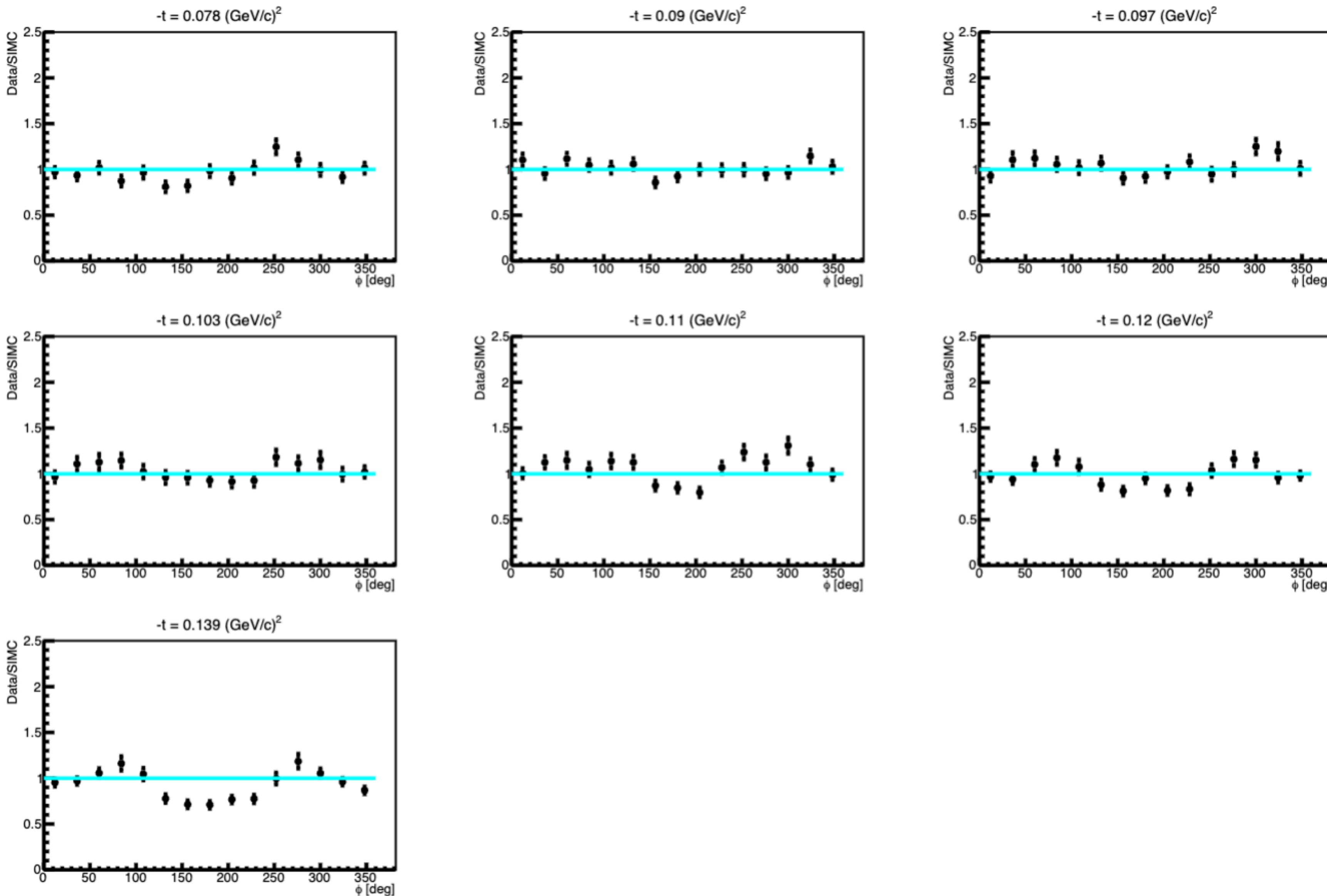
Data/SIMC Ratio

Low ϵ



Data/SIMC Ratio

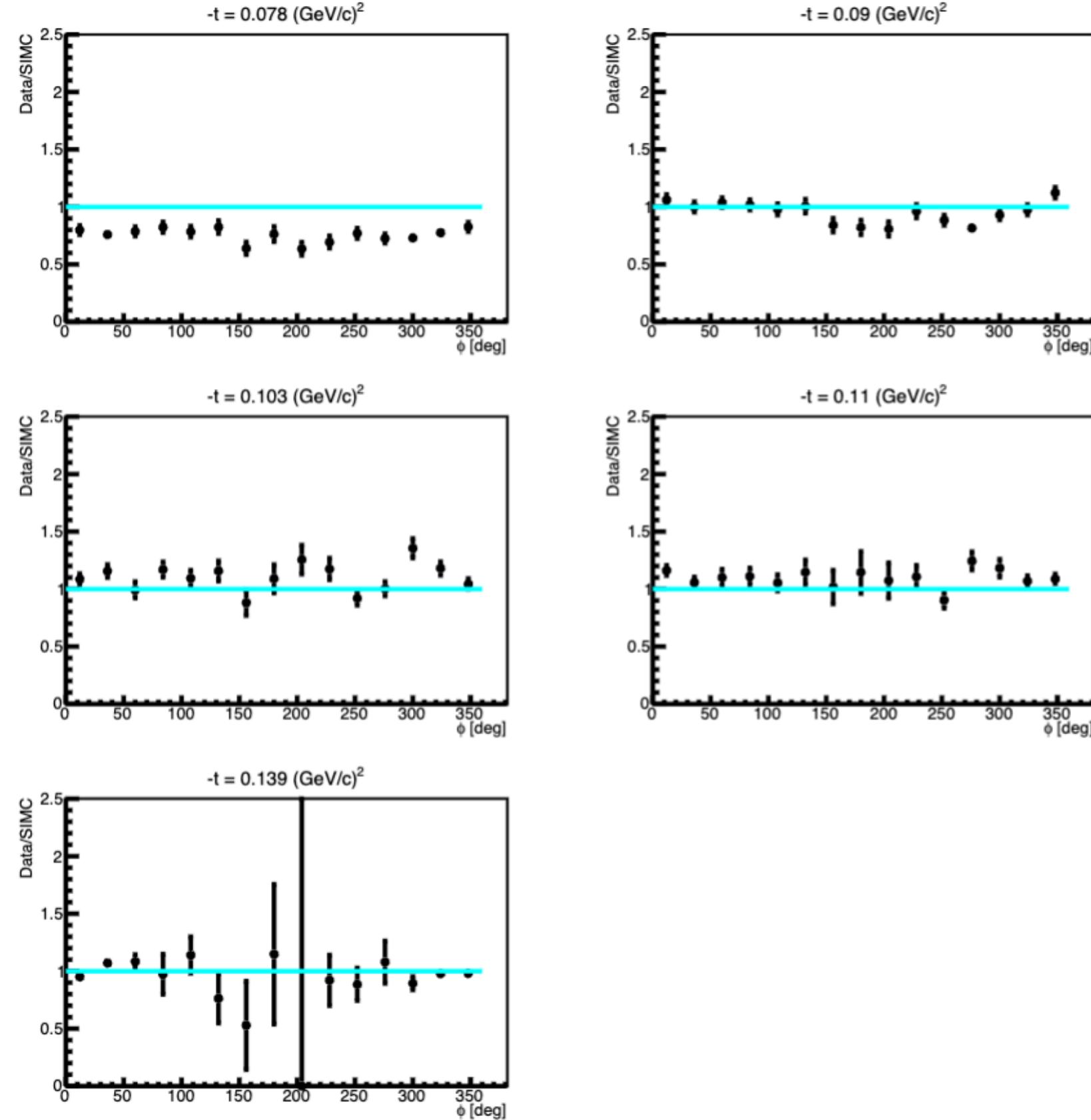
High ϵ



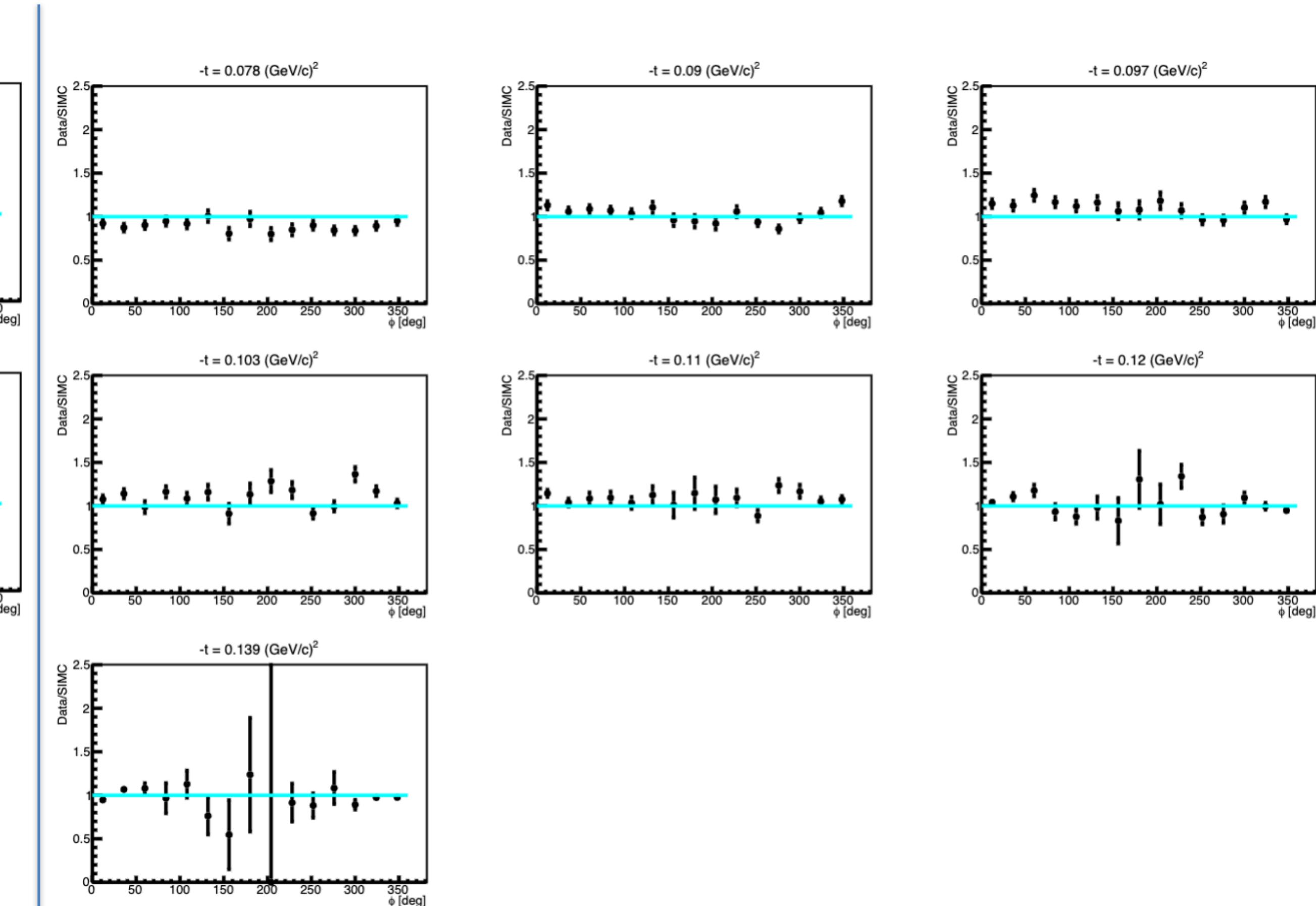
Data/SIMC Ratio

Low ϵ

Iteration 03



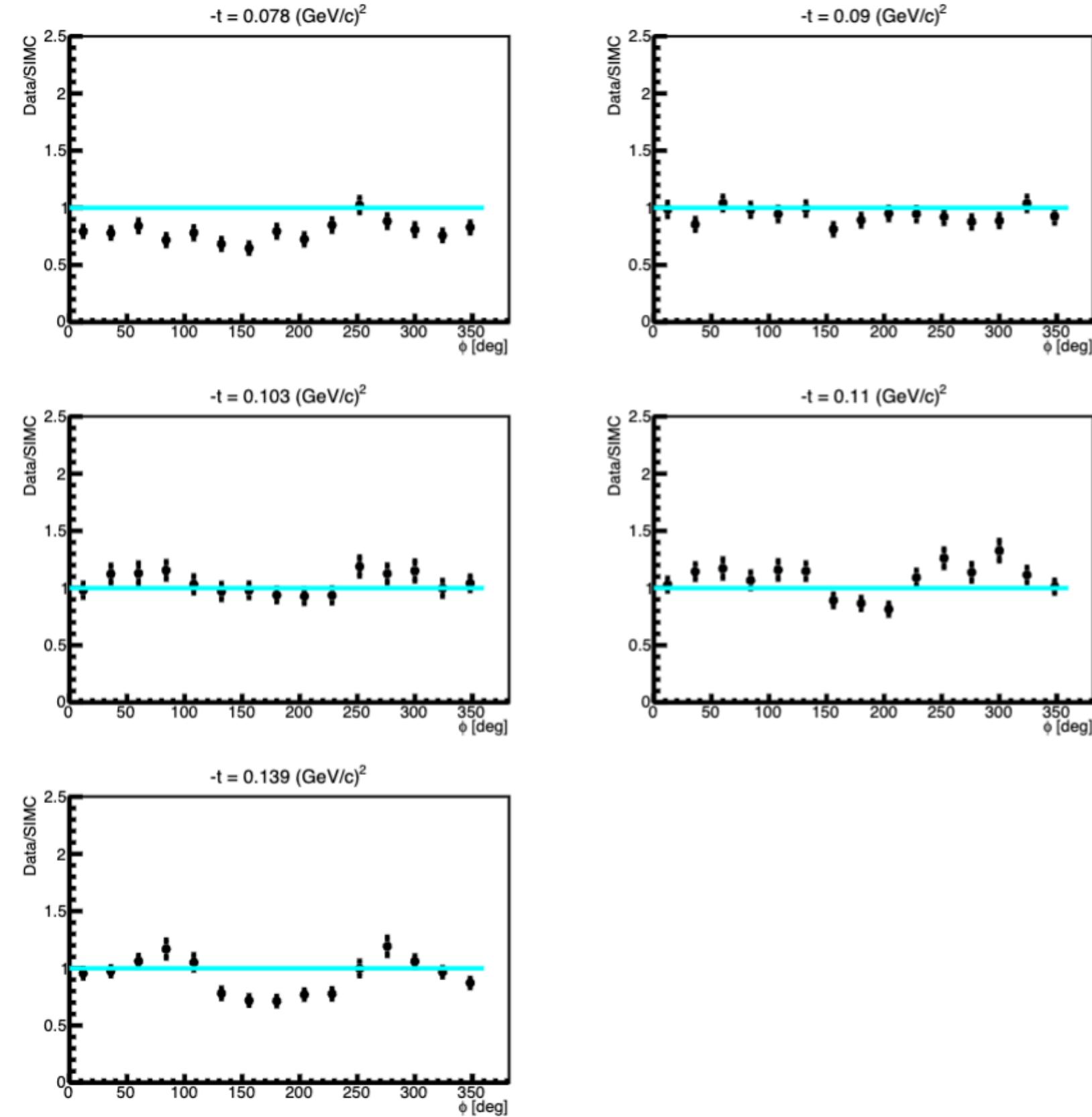
Iteration 04B



Data/SIMC Ratio

High ϵ

Iteration 03



Iteration 04B

