

(Un)Separated Cross Sections

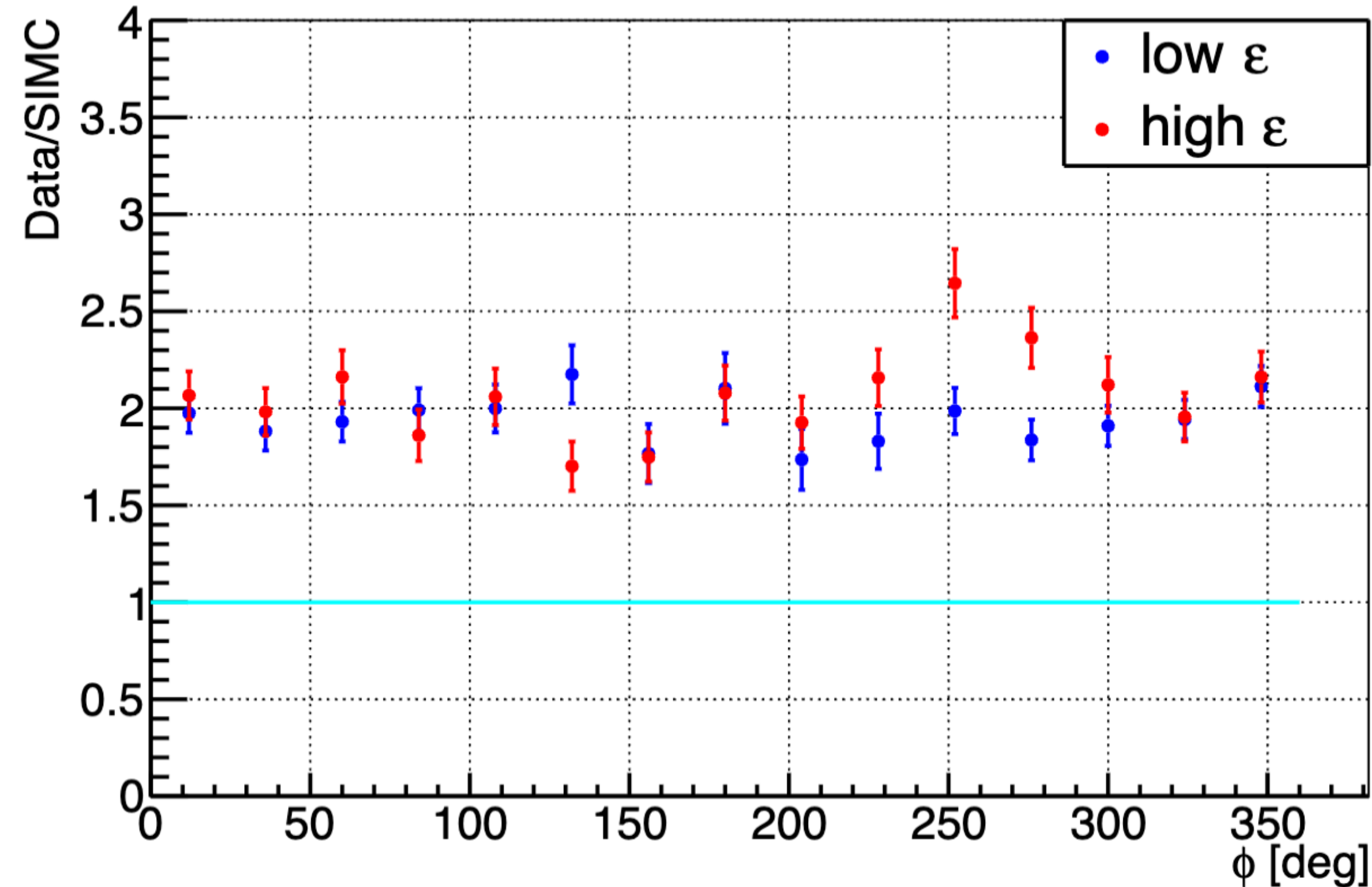
Abdennacer Hamdi

KaonLT Meeting
06/26/2025

Preface

- Data/SIMC yield ratios ≈ 2 (0th iteration)
- Focusing on Λ

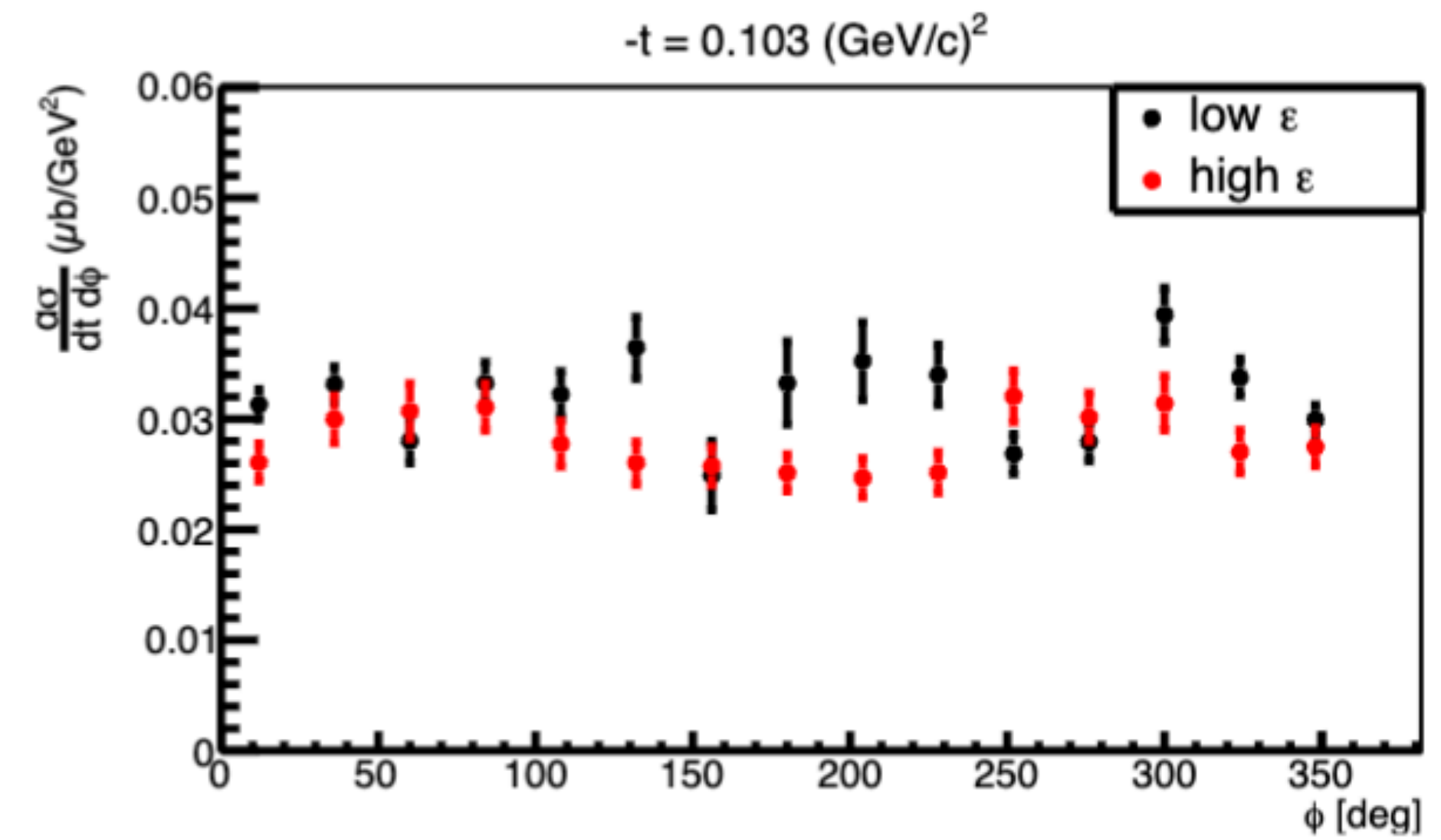
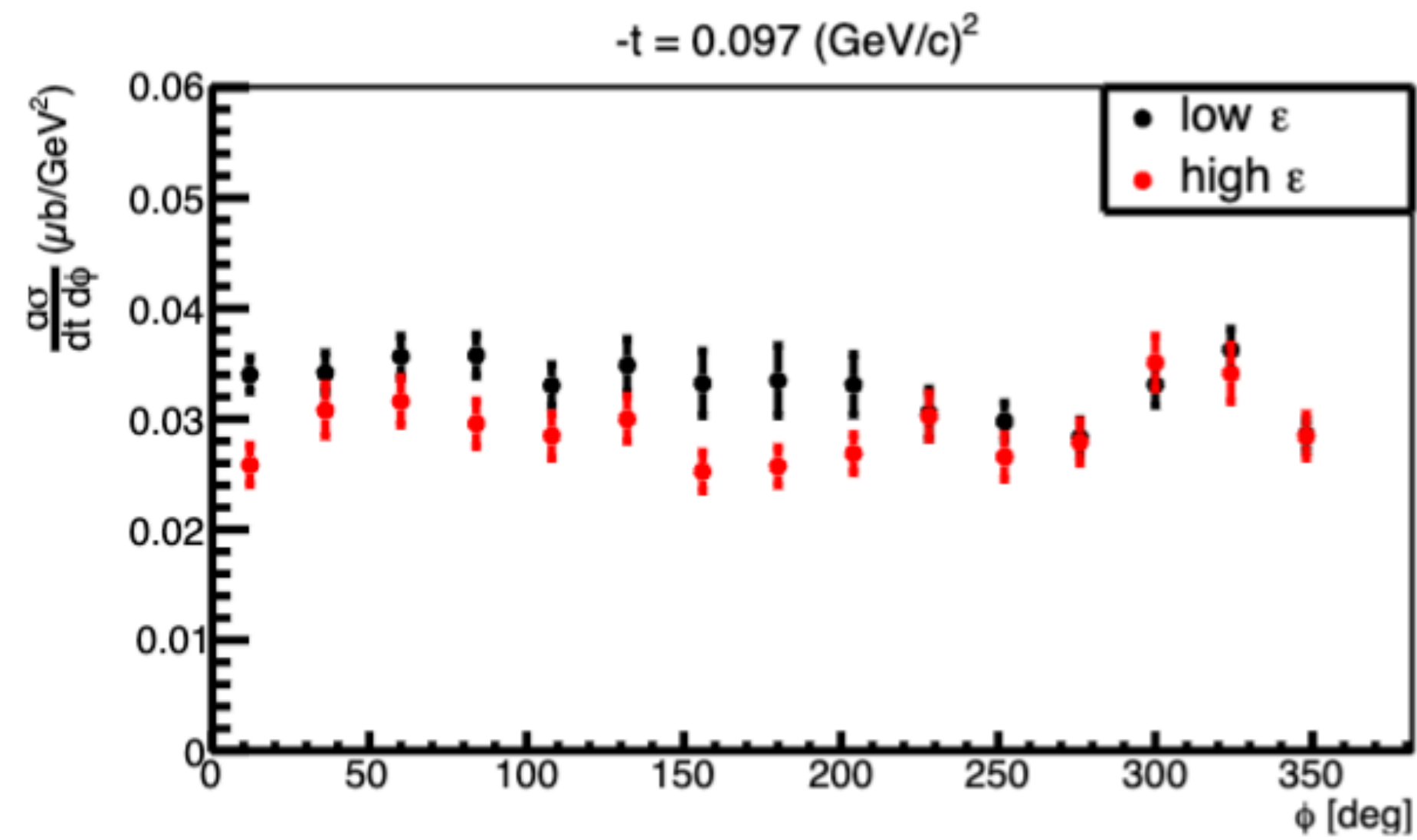
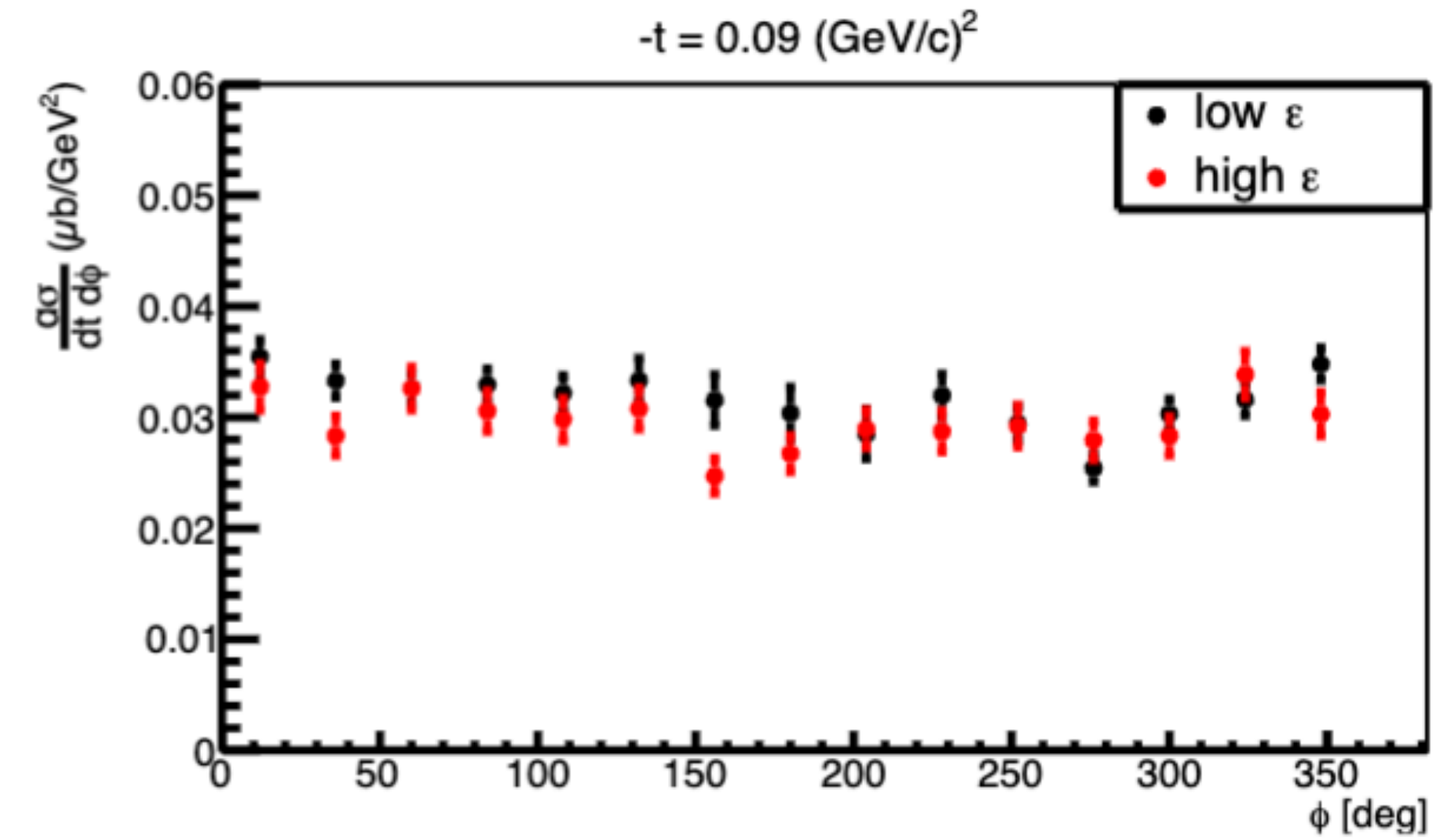
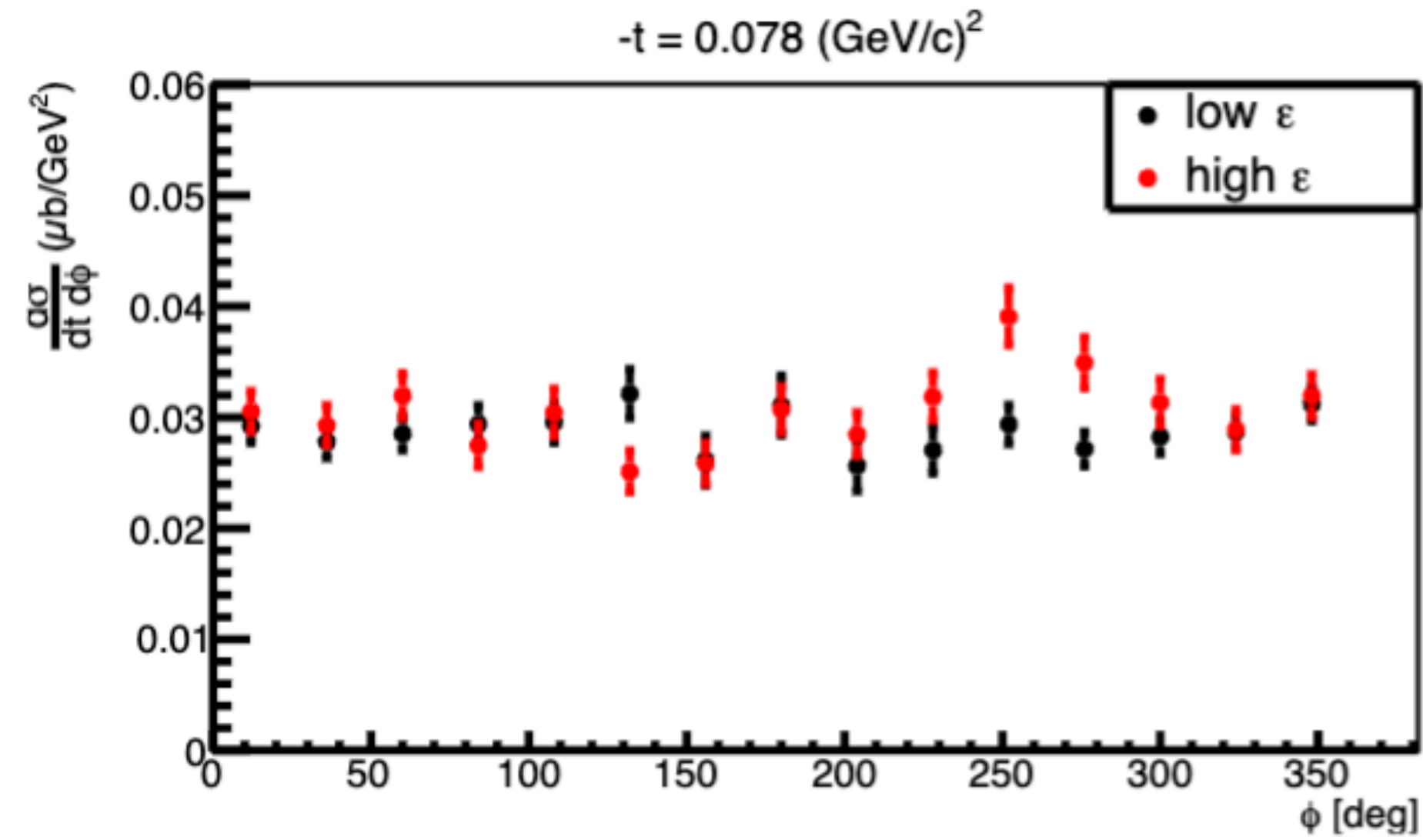
$-t = 0.078 \text{ (GeV/c)}^2$



$Q^2 \text{ (GeV}^2\text{)}$	$W \text{ (GeV)}$	χ_B
0.5	2.4	0.09

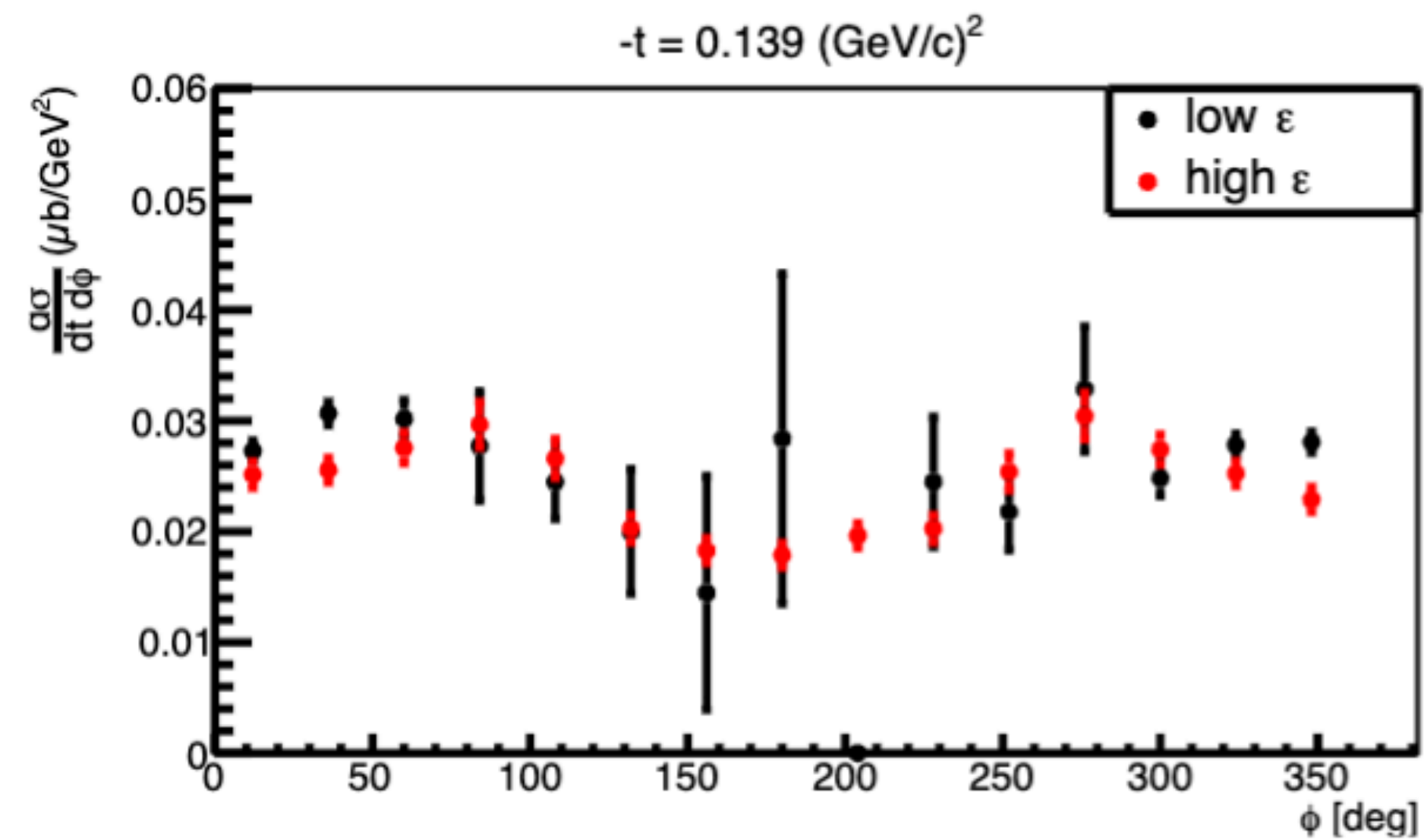
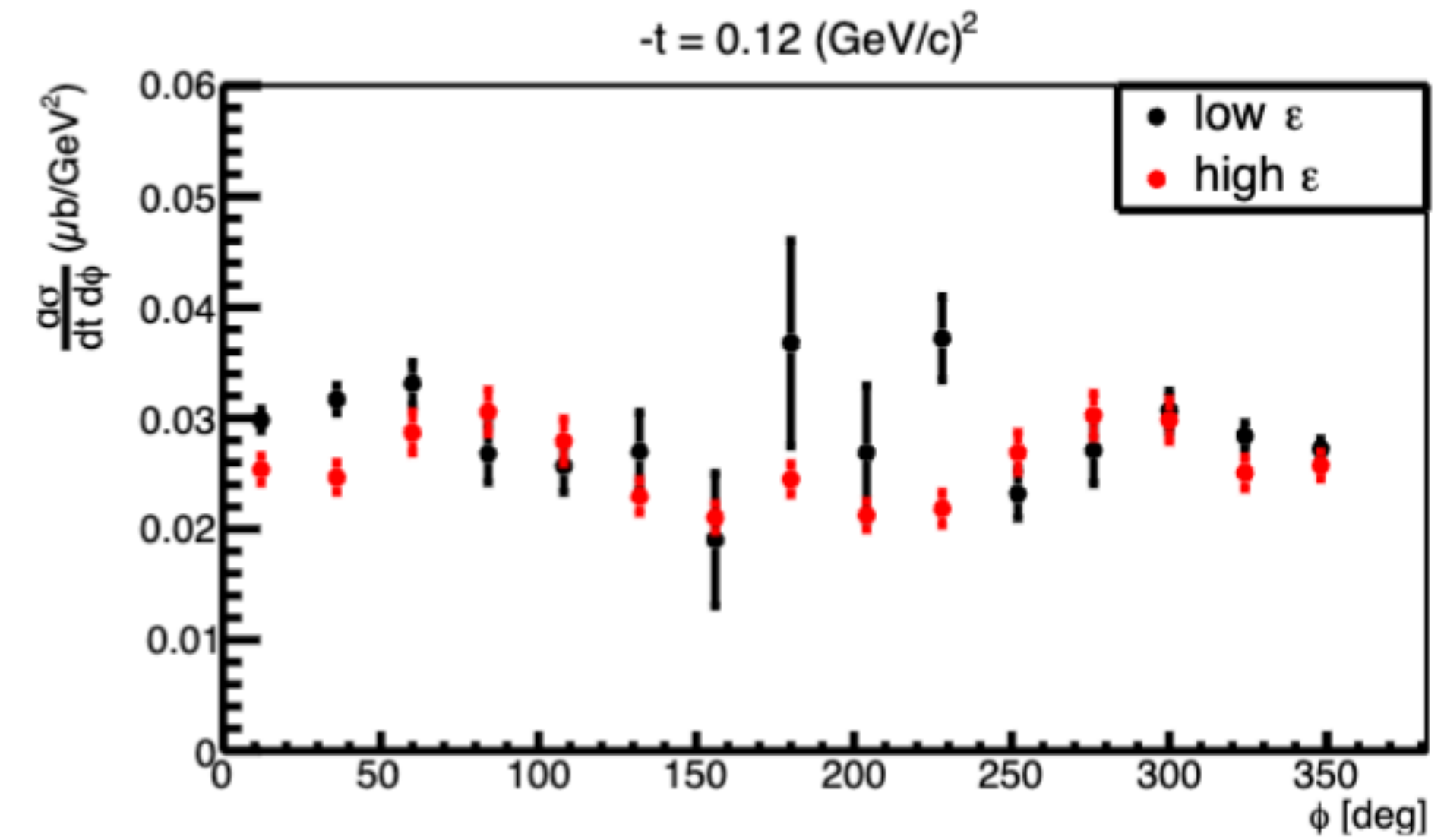
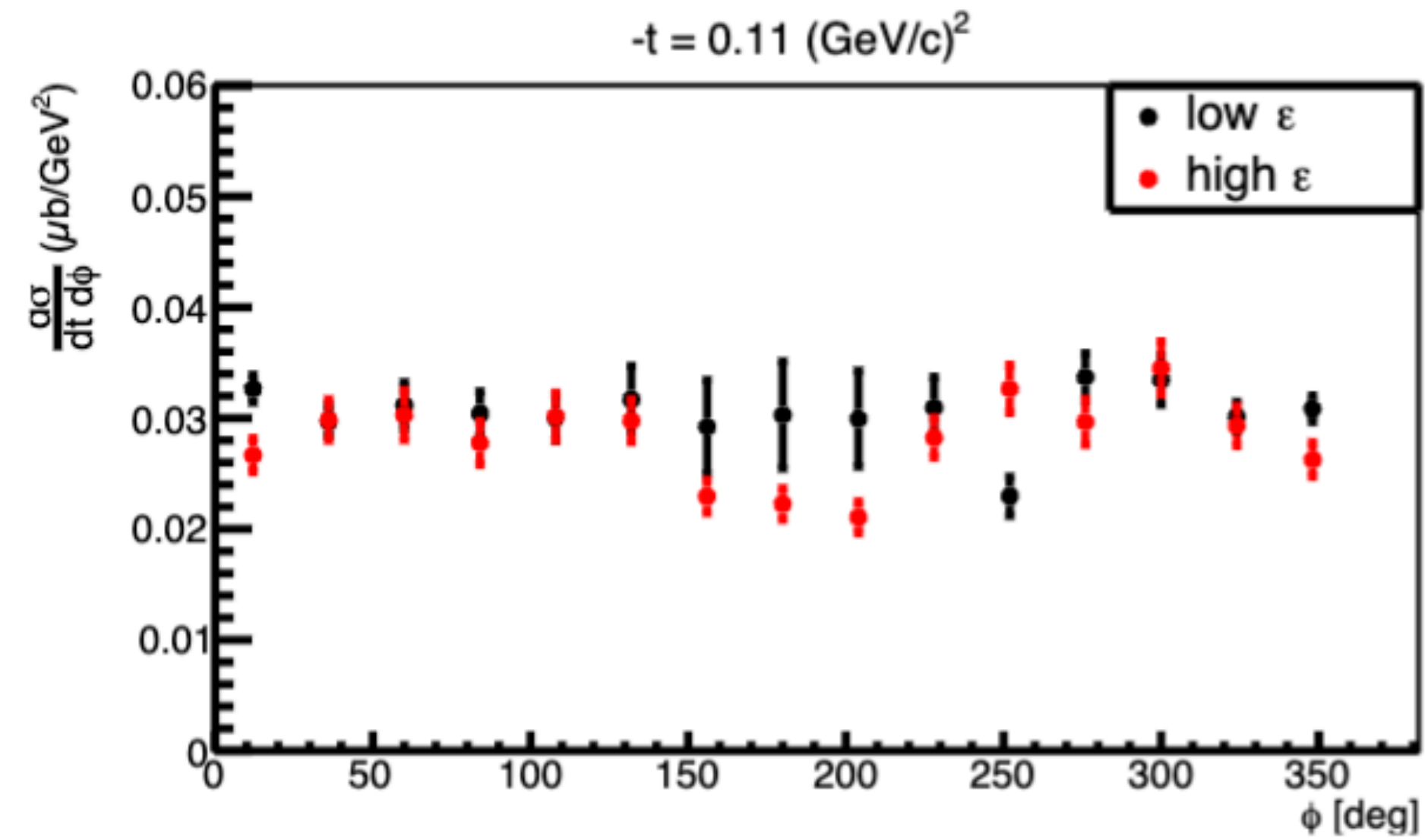
HMS		SHMS	
$P \text{ (GeV/c)}$	$\theta \text{ (deg)}$	$P \text{ (GeV/c)}$	$\theta \text{ (deg)}$
0.968	21.14	2.583	6.79

Azimuthal Angle ϕ	Beam Energy (GeV)	
	3.8 (Low ϵ)	4.9 (High ϵ)
Center	✓	✓
Left	✓	✓
Right	✗	✓



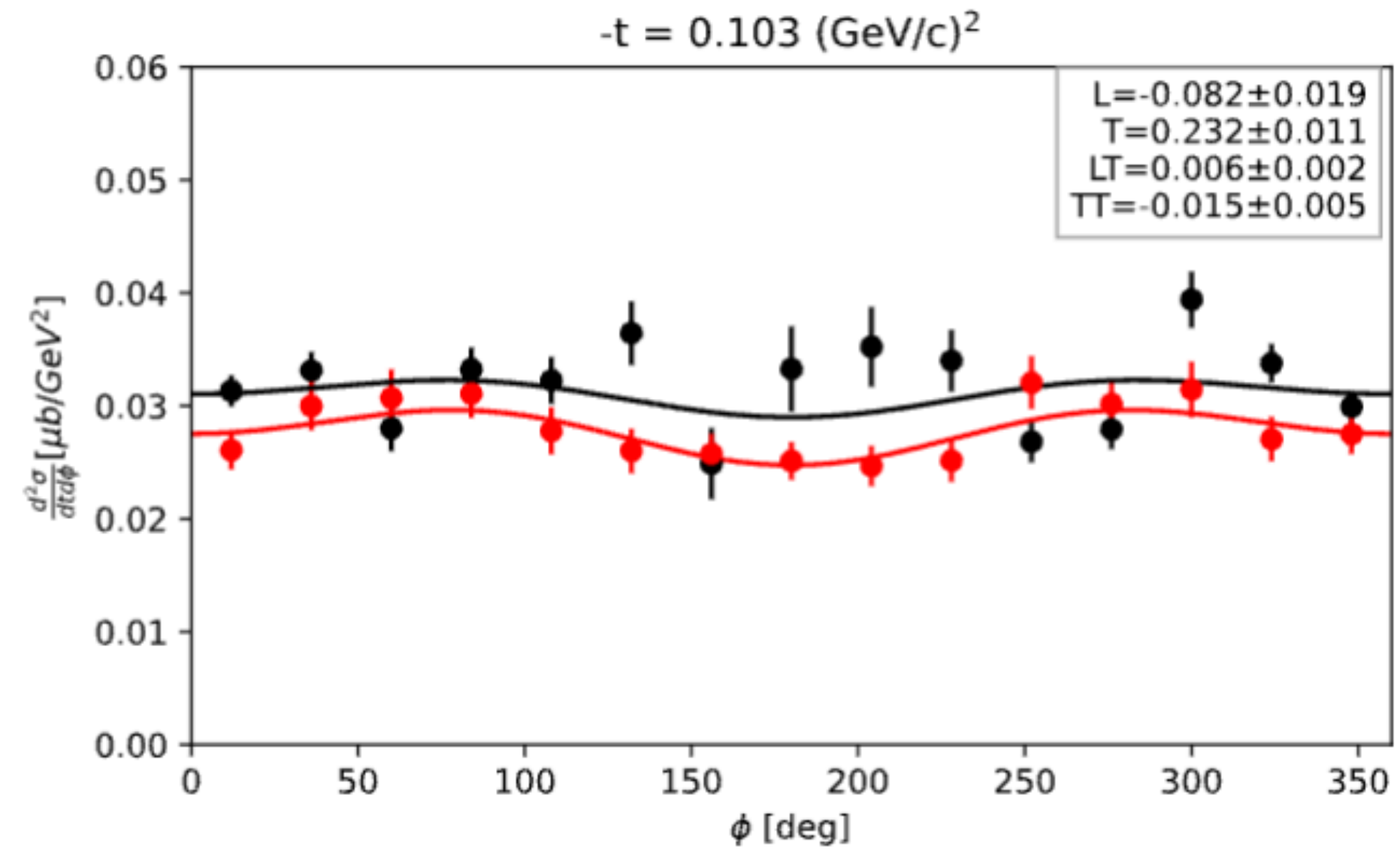
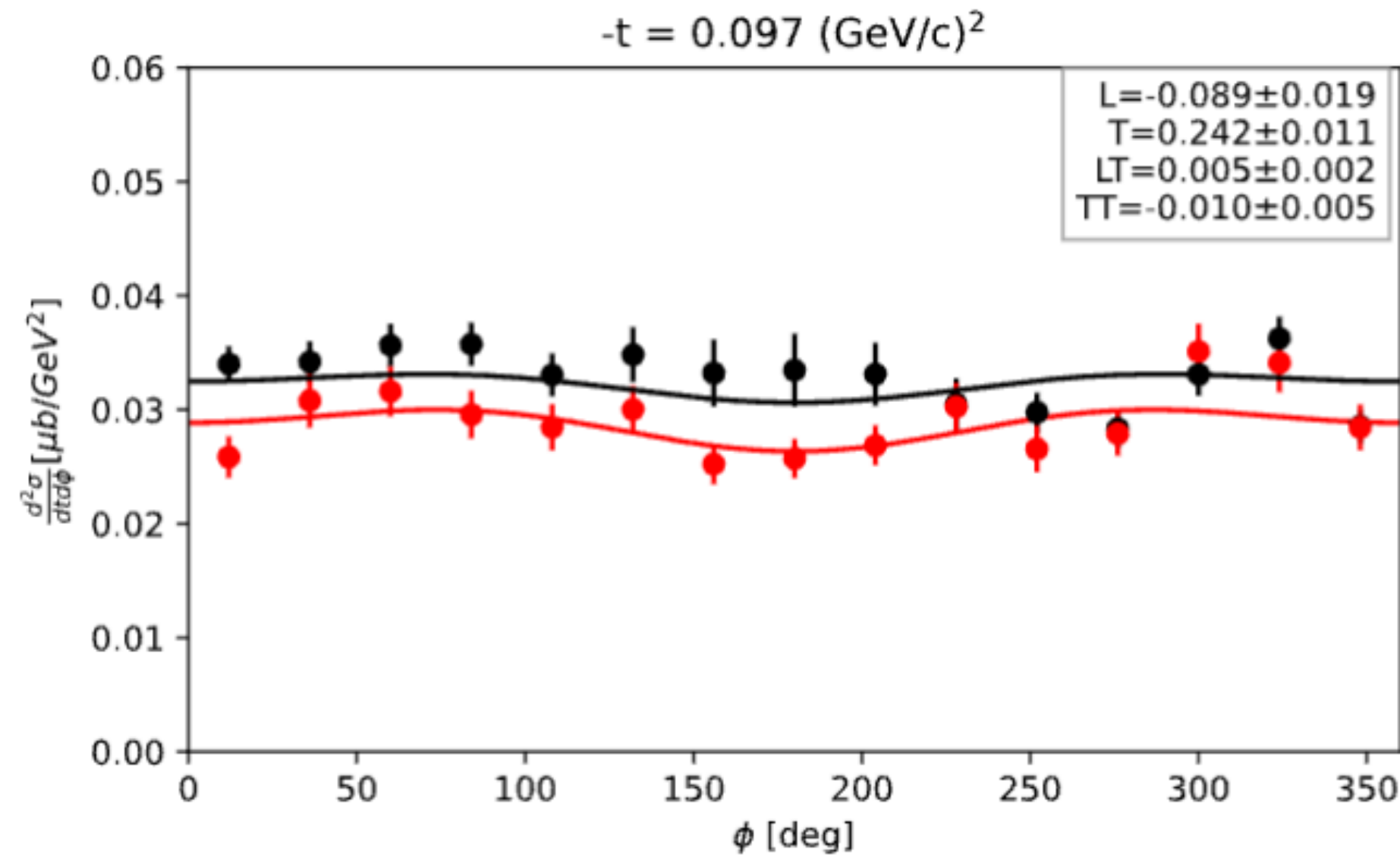
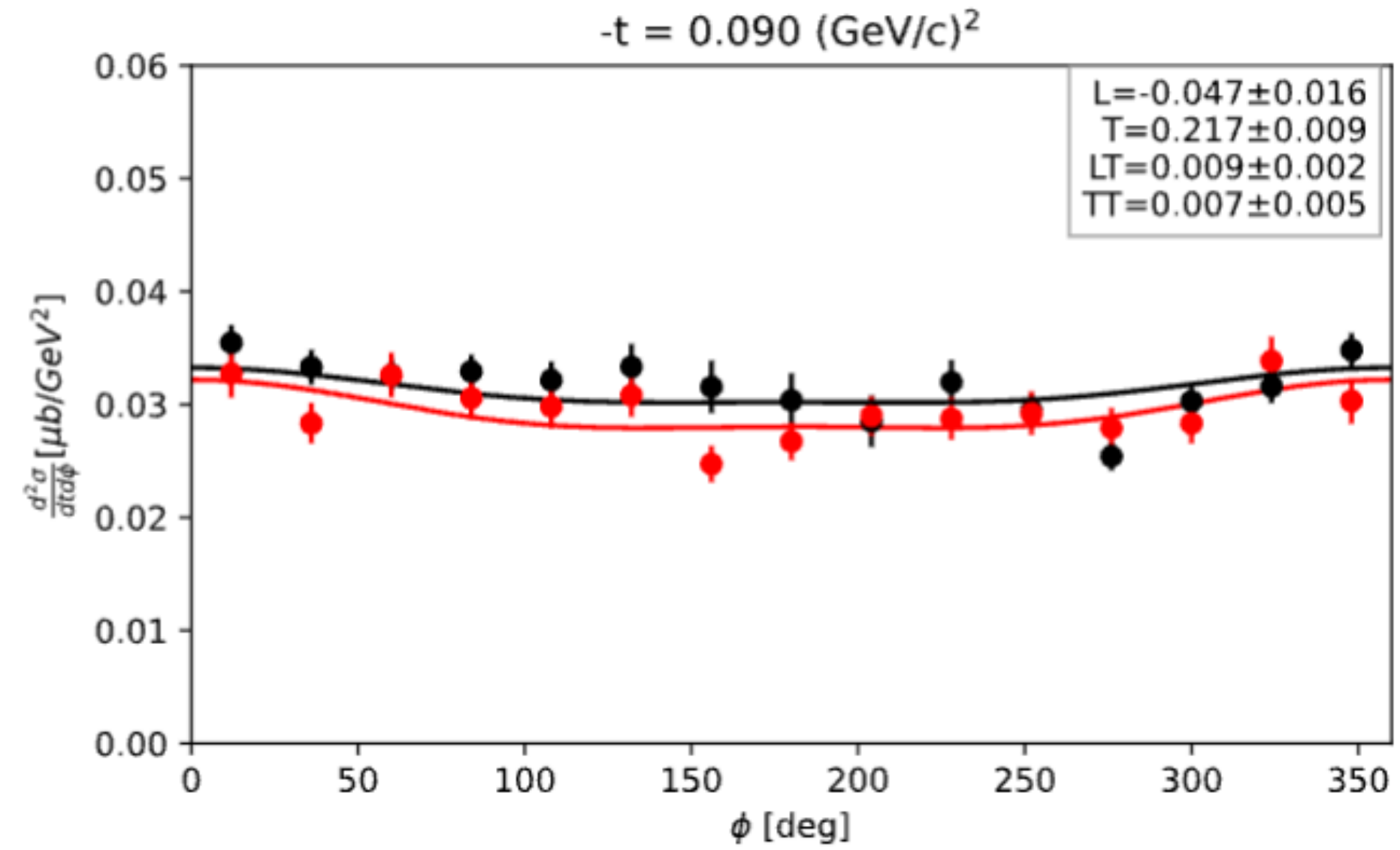
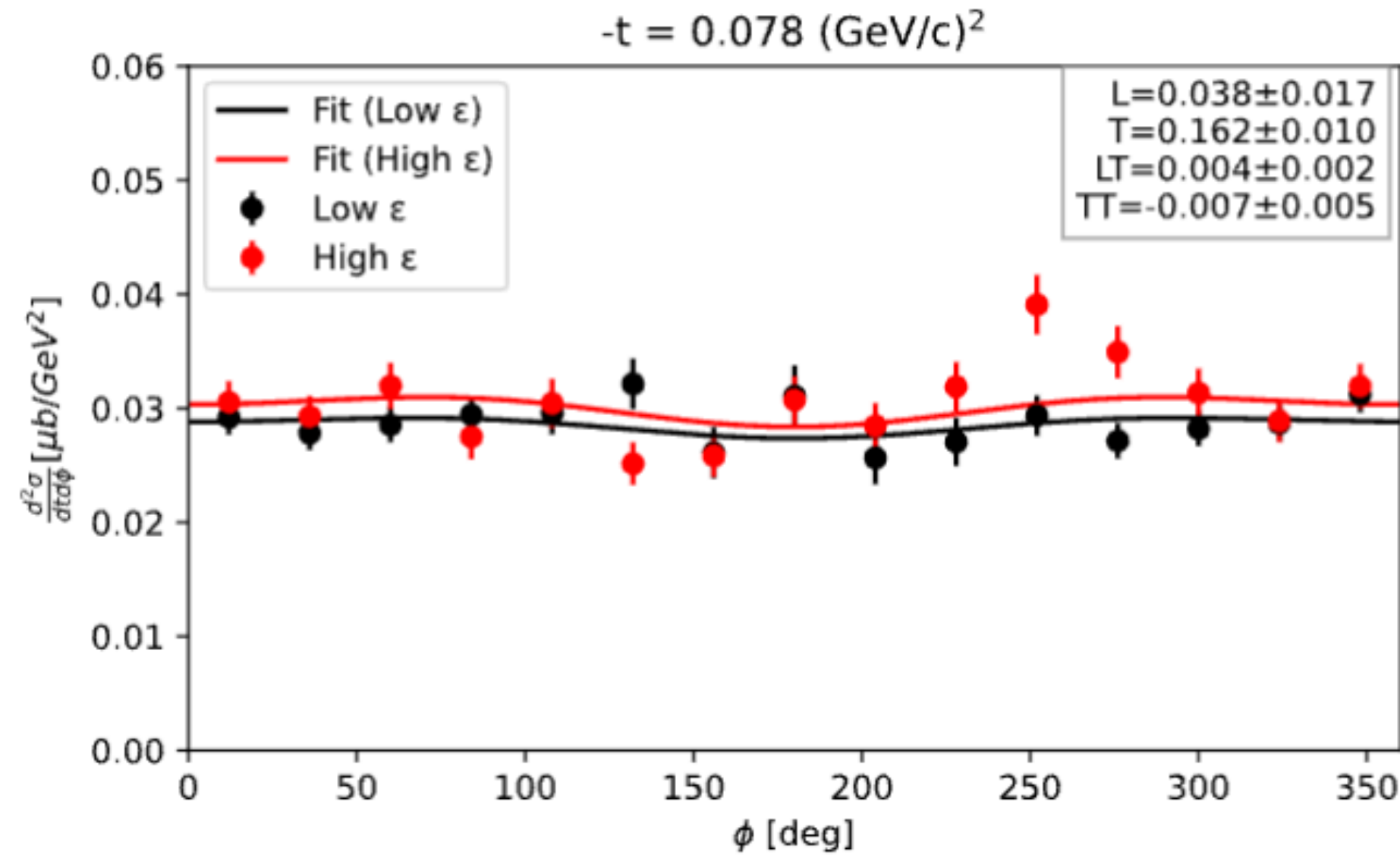
Unseparated Cross sections

Λ

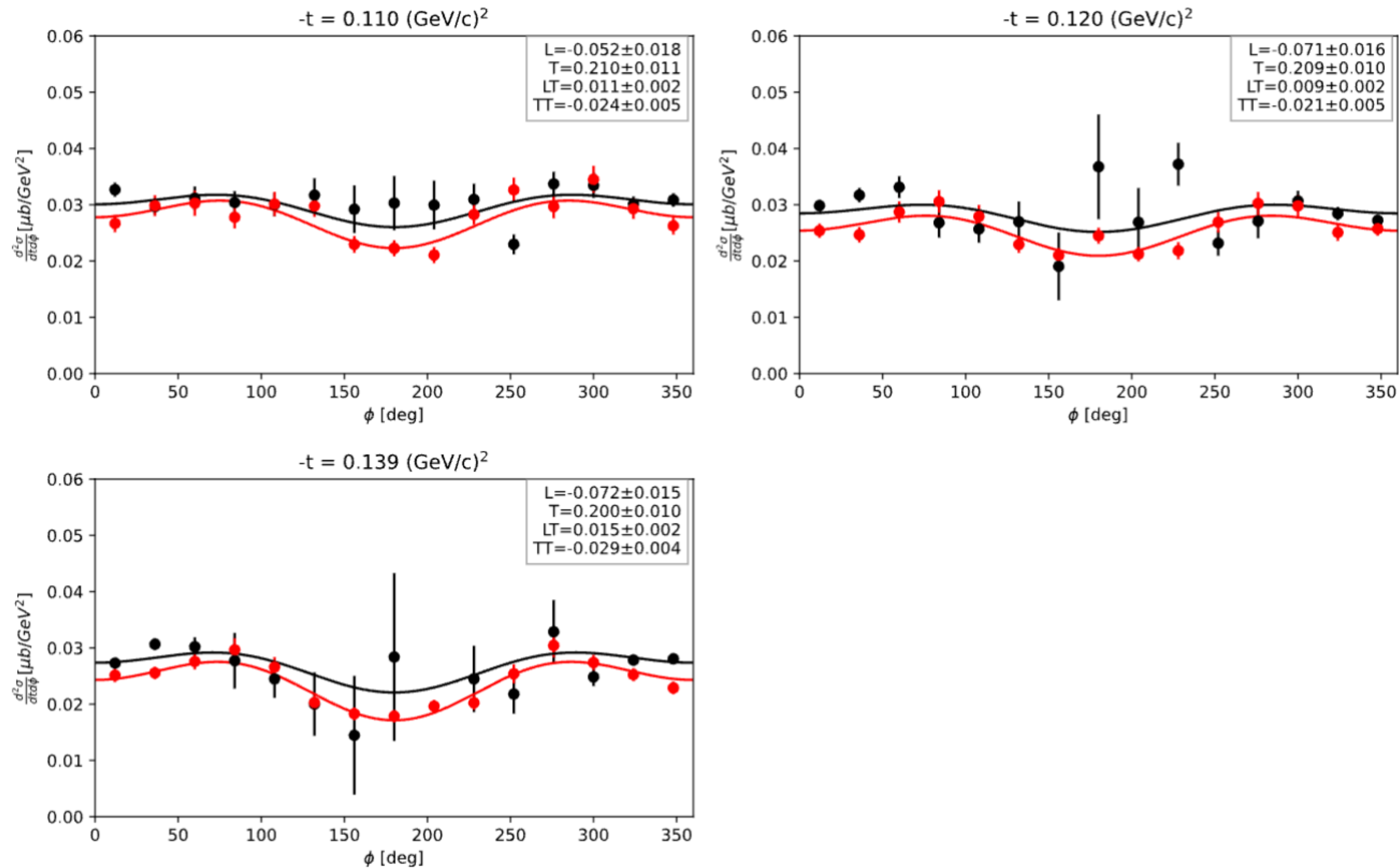


Simultaneous Rosenbluth Fit

Λ



Simultaneous Rosenbluth Fit

 Λ 

Separated Cross Sections

Λ

