

Event Selection: Data

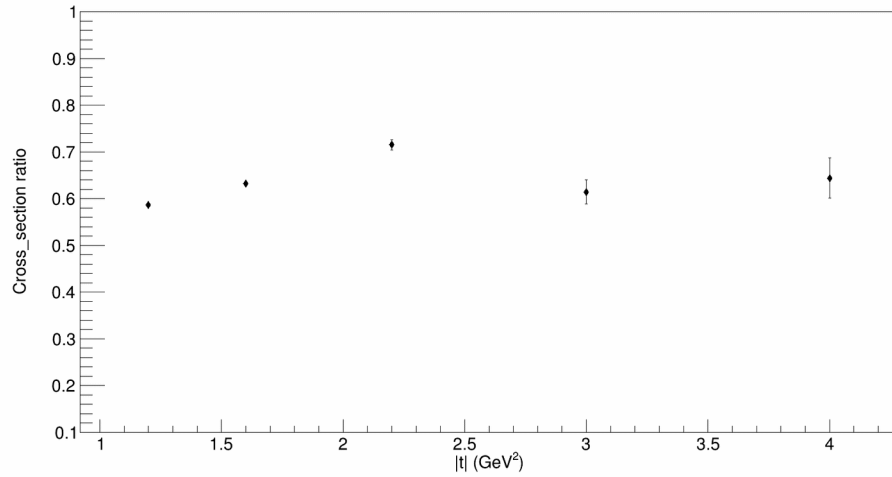
- No Extra Tracks : 5 extra showers
- Beam Energy(6.5-10.8)
- $CL > 10^{-3}$
- $(\text{PiPlus} + \text{PiMinus} + \text{Proton} - \text{Beam}).P() = P_{\text{miss}} < 300 \text{ Mev}/c$
- Proton Vertex(52,78 cm)
- Additional Cuts.(Proton's Theta cut based on $|t|$ distribution)

Angular cuts:

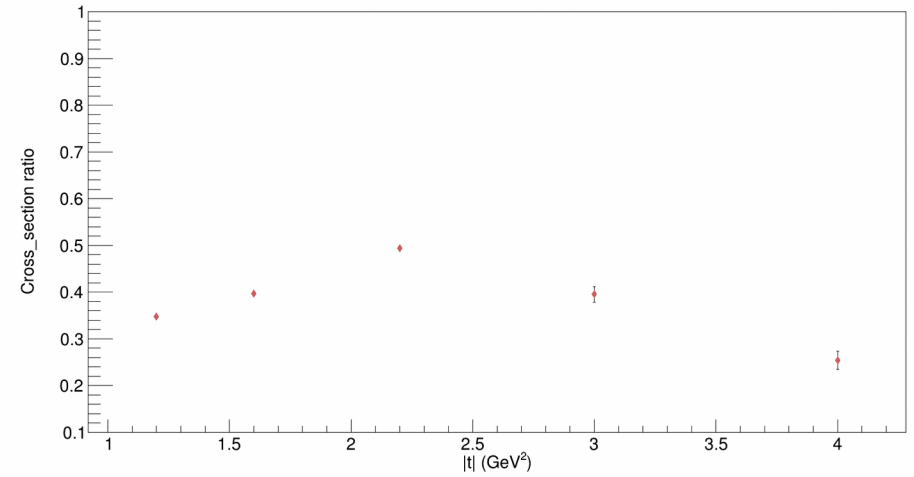
Range of t	Proton Theta				
1.0-1.2	>25				
1.2-1.4	>25				
1.4-1.8	>25				
1.8-2.6	>25				
2.6-3.4	>25				
3.4-4.6	>20				

Cross Section Ratio

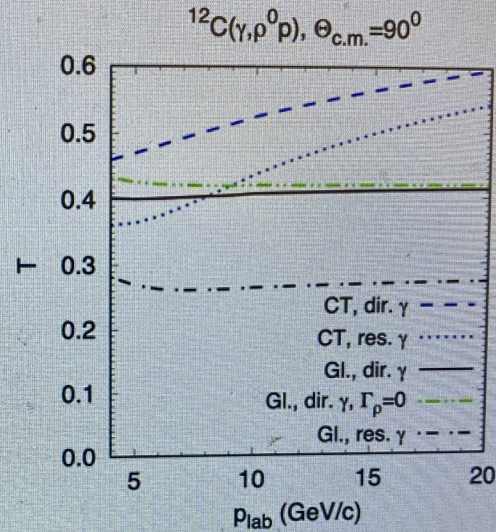
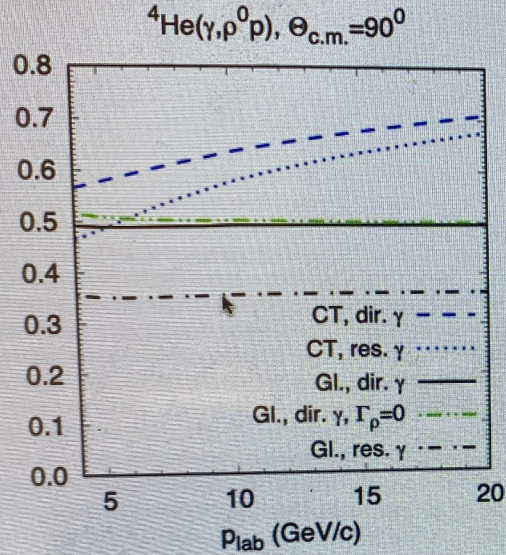
Cross_section ratio (He4/D2)



Cross_section ratio (C12/D2)

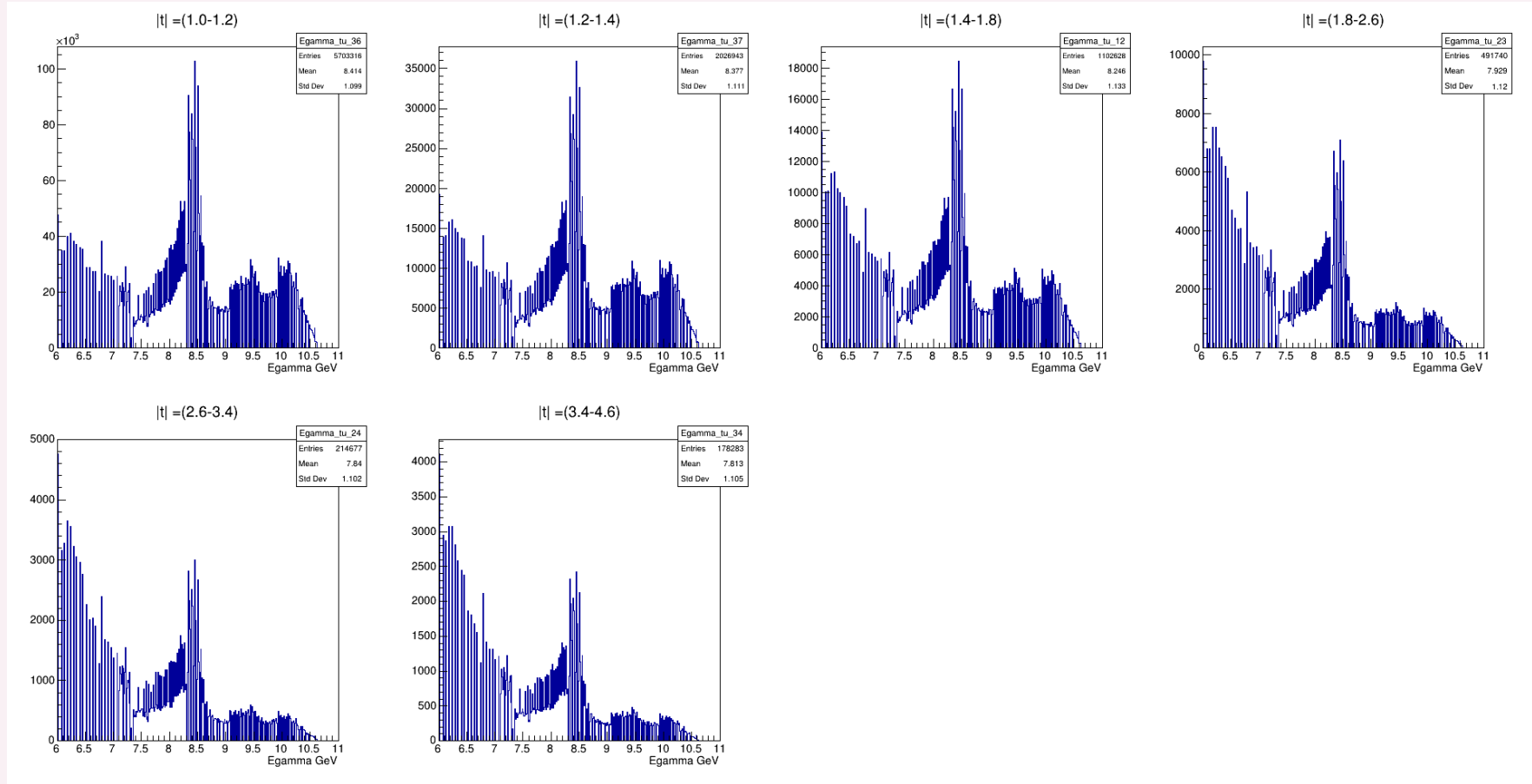


New transparency calculations from Alexei & Mark for photo production of ρ^0 from ^4He and ^{12}C

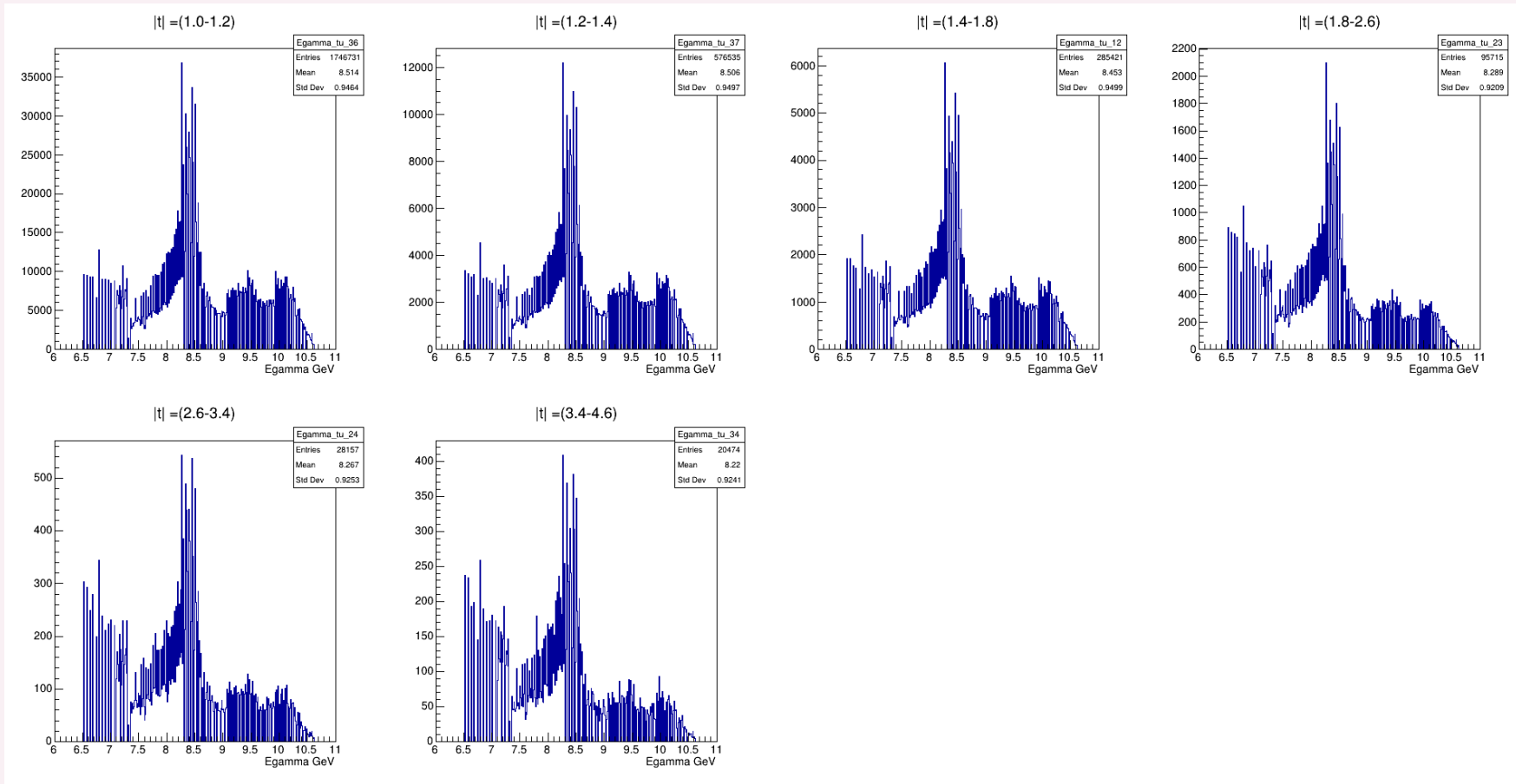


E_γ (GeV)	t (GeV ²)	P_{lab} (GeV/c)
6.50000000	-3.10974121	4.68301392
7.00000000	-3.36943054	5.04729509
7.50000000	-3.62905884	5.41126204
8.00000000	-3.88865662	5.77497625
8.50000000	-4.14820862	6.13848400
9.00000000	-4.40770721	6.50182152
9.50000000	-4.66720581	6.86501503
10.00000000	-4.92668152	7.22808790
10.50000000	-5.18612671	7.59105778
11.00000000	-5.44557190	7.95393848

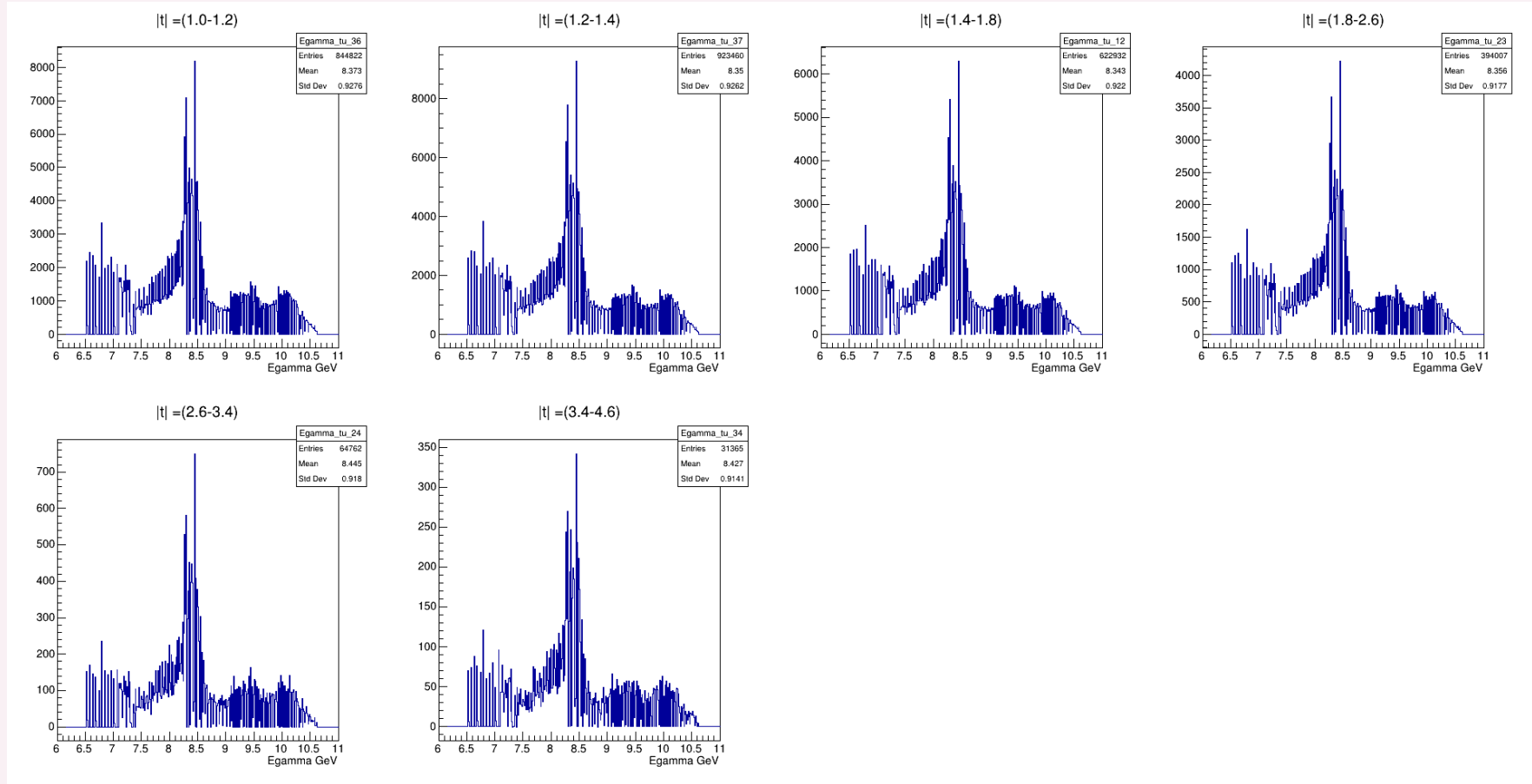
Egamma :: Thrown



Egamma :: Reconstructed Simulation

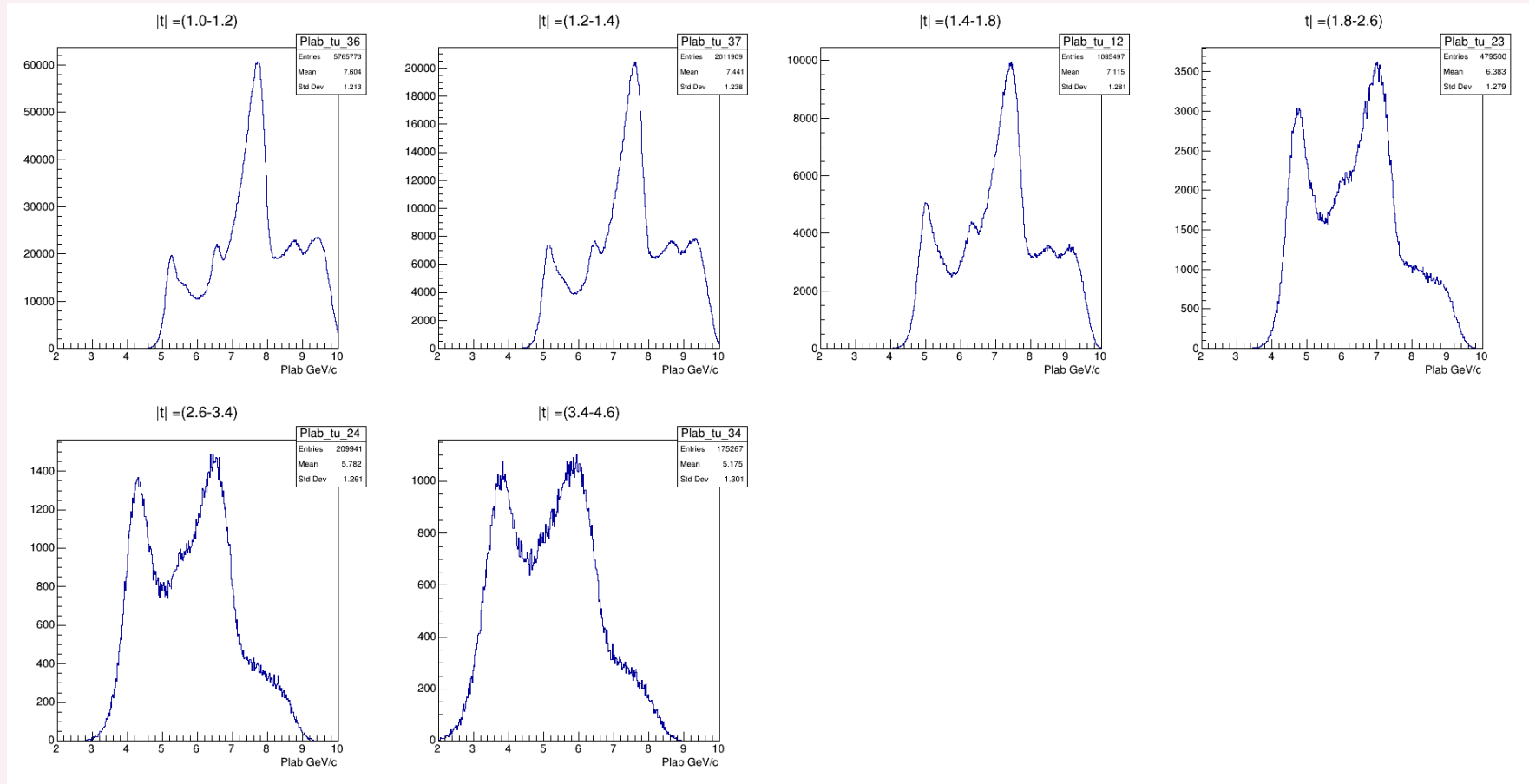


Egamma :: Data



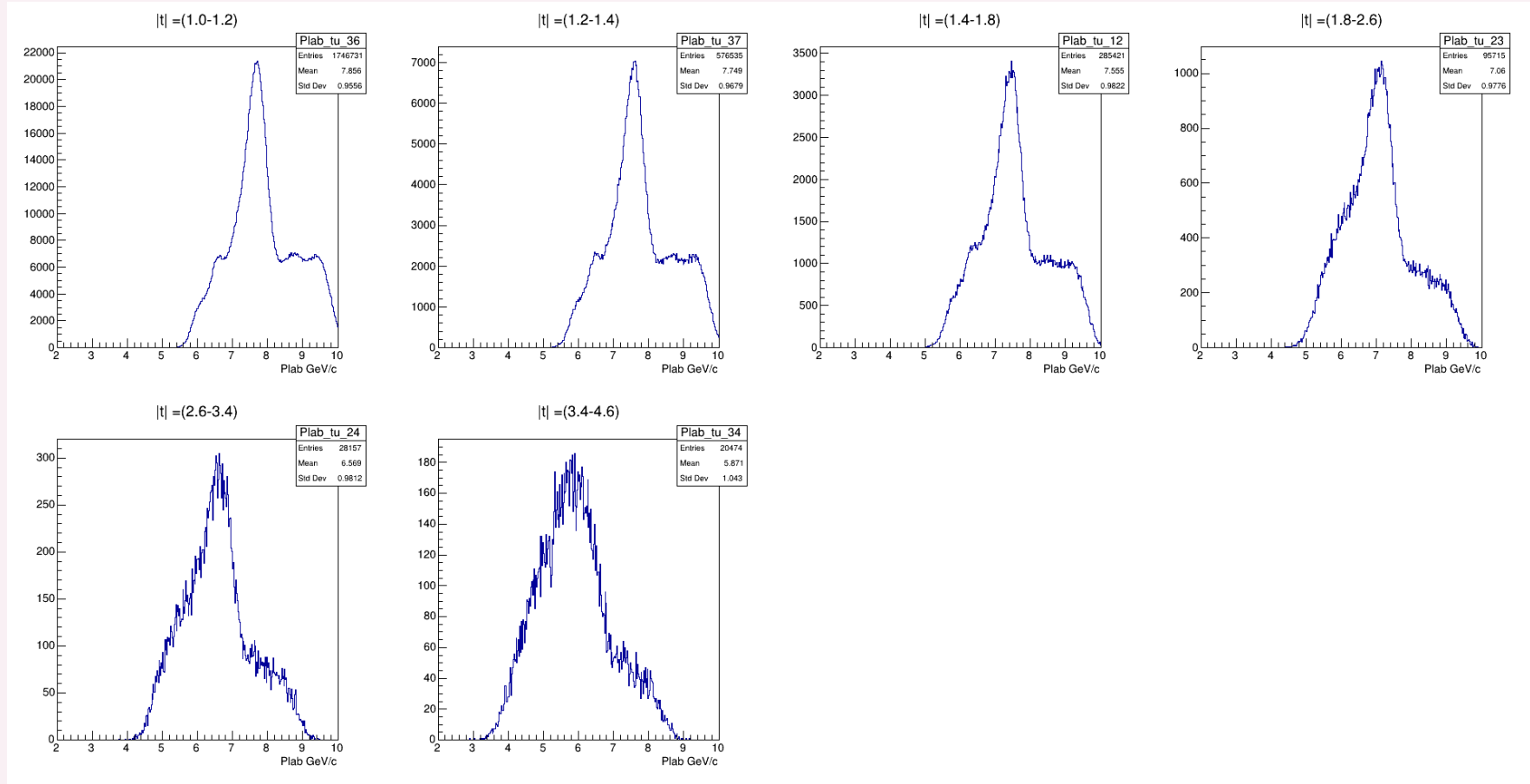
BACKUP

Plab(Momentum of Rho0) of Thrown:



$$\text{Plab} = (\text{PiPlus} + \text{PiMinus}).P$$

Plab(Momentum of Rho0) of Simulation:



Plab(Momentum of Rho0) of Data:

