

Relatório de Mestrado v4

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1 Valores dos parametros minimizados

Table 1: Parâmetros ajustados e estatísticas dos ensembles A e T pelo modelo log de massa dinamica

Parâmetro	Ensemble A	Ensemble T
m_g (GeV)	0.334 ± 0.004	0.363 ± 0.0035
ϵ	0.061 ± 0.0022	0.079 ± 0.0019
a_1 (GeV ²)	1.604 ± 0.05	1.63 ± 0.021
a_2 (GeV ⁴)	3.043 ± 0.3	3.28 ± 0.1
ν	108	328
χ^2/ν	0.22	0.29

Table 2: Parâmetros ajustados e estatísticas dos ensembles A e T pelo modelo pl de massa dinamica

Parâmetro	Ensemble A	Ensemble T
m_g (GeV)	0.389 ± 0.005	0.424 ± 0.004
ϵ	0.061 ± 0.0022	0.0775 ± 0.0019
a_1 (GeV ²)	1.495 ± 0.05	1.454 ± 0.032
a_2 (GeV ⁴)	2.161 ± 0.29	2.93 ± 0.12
ν	108	328
χ^2/ν	0.24	0.46

2 Secao de choque total

2.1 Usando parametros do paper

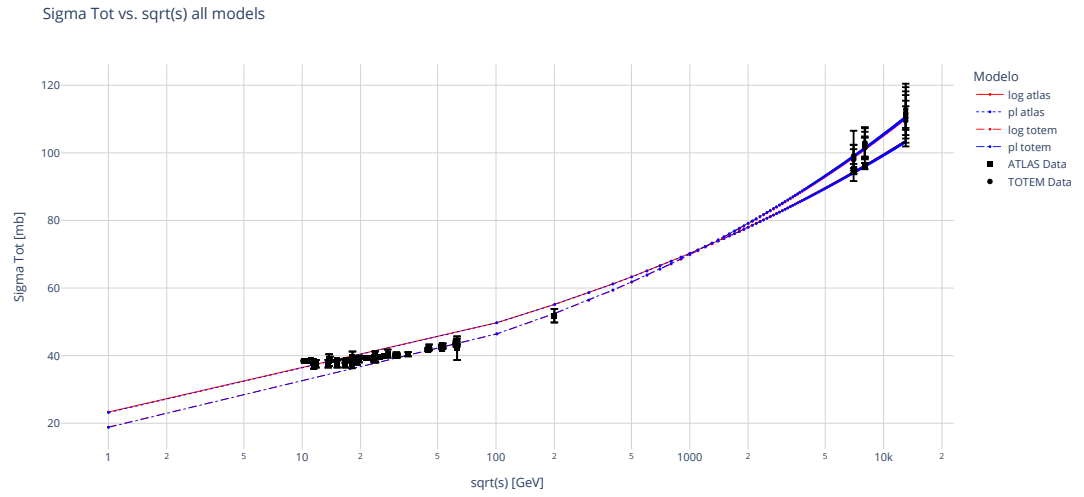


Figure 1: Secao de choque total usando parametros do paper

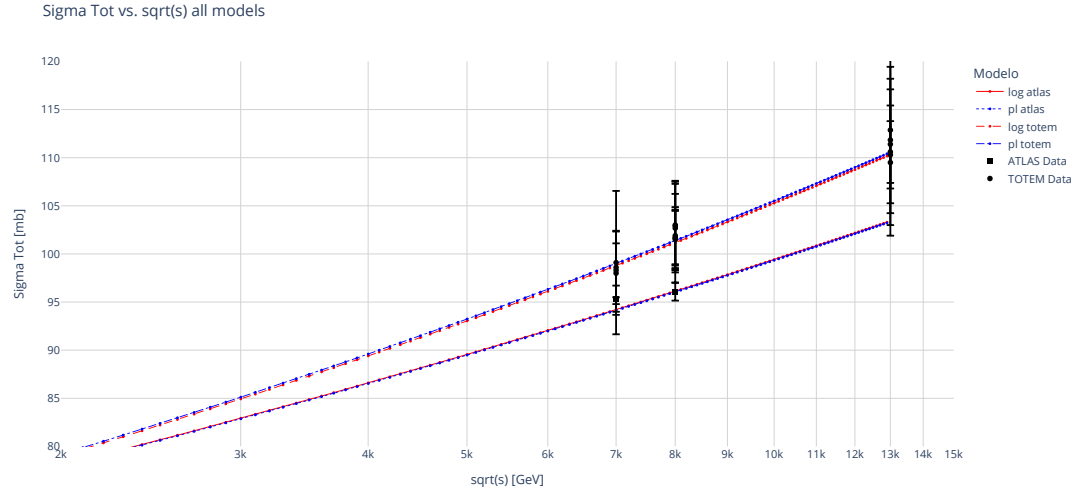


Figure 2: Secao de choque total usando parametros do paper zoom in

2.2 Usando parametros minimizados

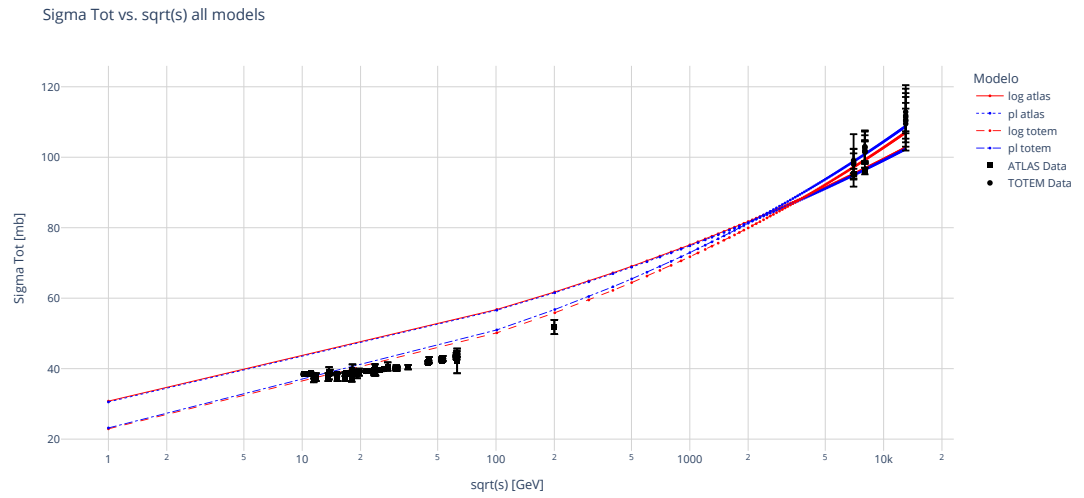


Figure 3: Secao de choque total usando parametros minimizados

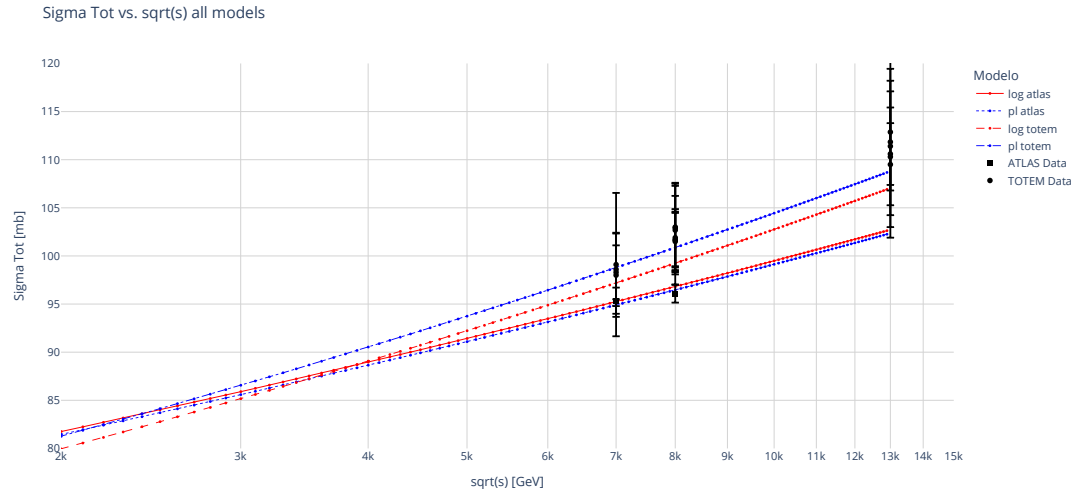


Figure 4: Secao de choque total usando parametros minimizados zoom in

3 Secao de choque diferencial

3.1 Usando parametros do paper

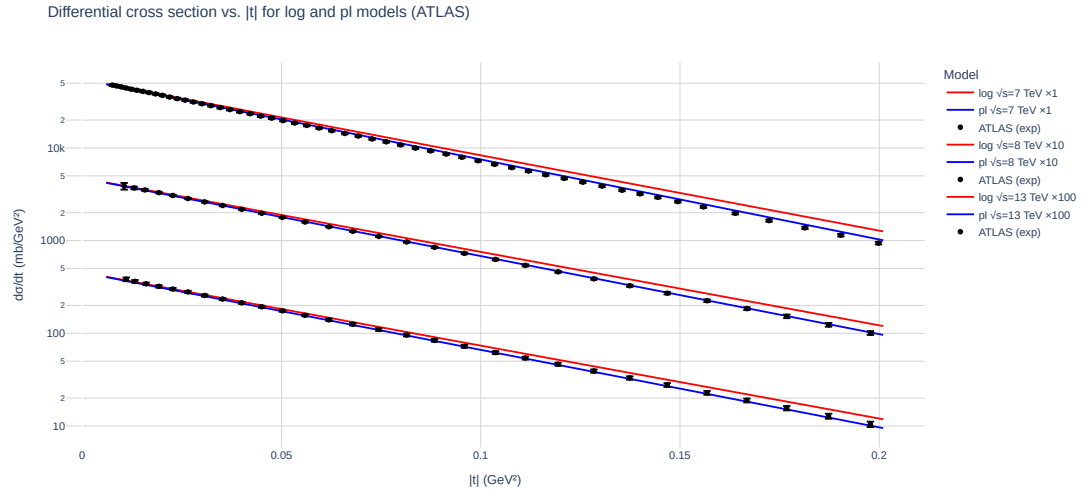


Figure 5: Secao de choque diferencial usando parametros do paper no ensemble ATLAS

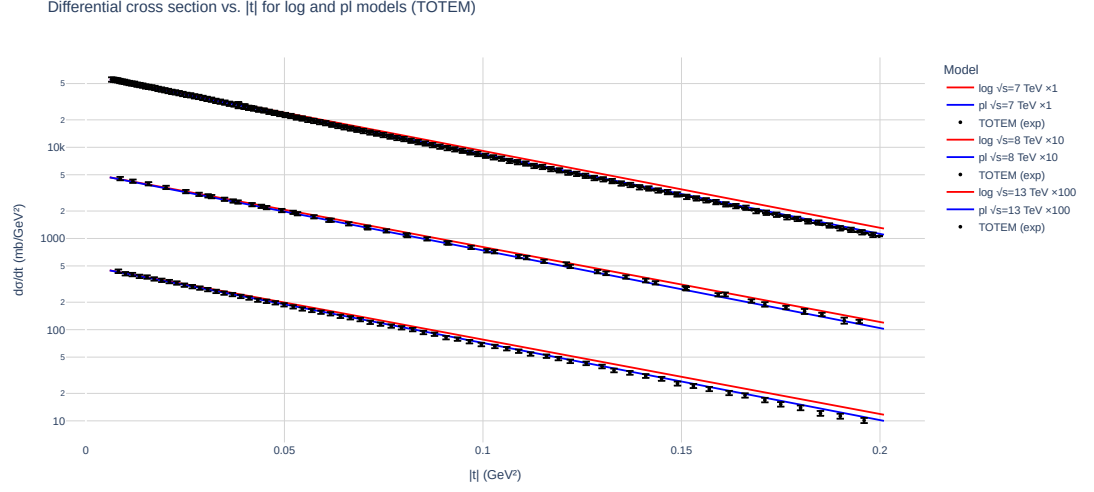


Figure 6: Secao de choque diferencial usando parametros do paper no ensemble TOTEM

3.2 Usando parametros minimizados

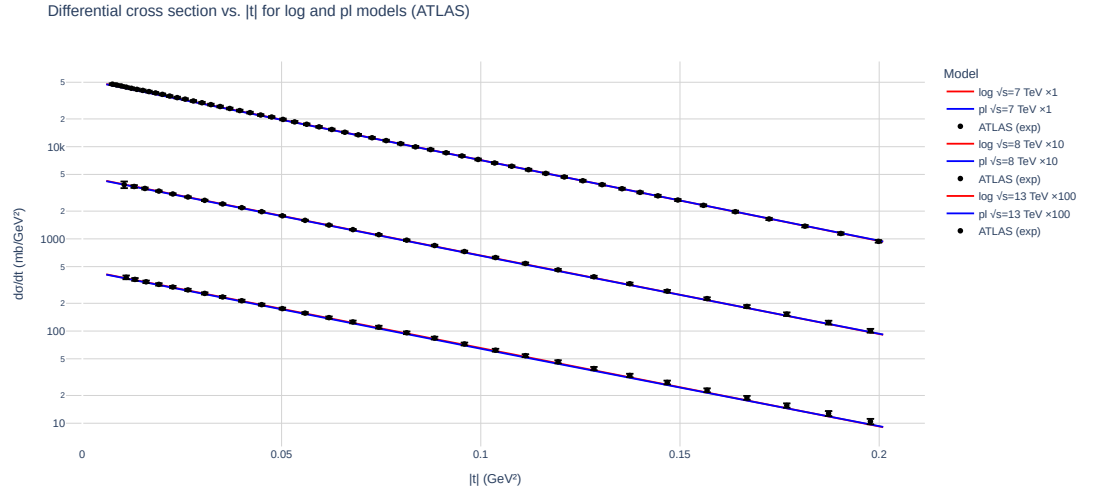


Figure 7: Secao de choque diferencial usando parametros minimizados no ensemble ATLAS

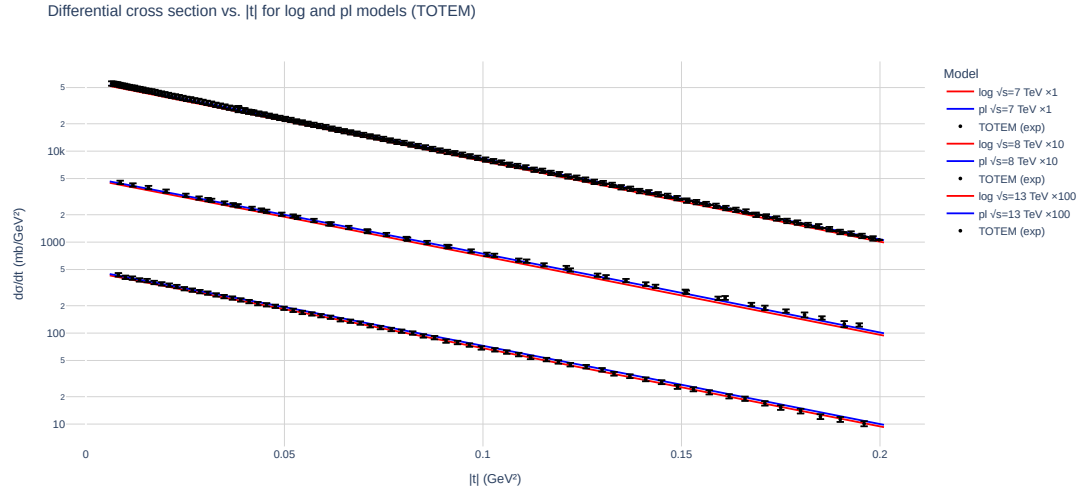


Figure 8: Secao de choque diferencial usando parametros minimizados no ensemble TOTEM