

7000 GeV pp

$\sigma_{\text{Total}}$

$\sqrt{s}=7$  TeV

■ TOTEM  
— Pythia 8.307 ppthermNoScat

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(TOTEM\_2011\_I930960)

Ratio to TOTEM

$\sigma_{\text{total}}$  [mb]

180  
160  
140  
120  
100  
80  
60  
50  
40  
30  
20  
10  
2  
1  
0.5

2  
1  
0.5

6999.5 7000 7000.5

$\sqrt{s}$

