

7000 GeV pp

 $\sigma_{\text{Total}}$  $\sqrt{s}=7$  TeV $\sigma_{\text{total}}$  [mb]

- TOTEM
- △— Pythia 6.426 ambt1
- Pythia 6.426 z2

Rivet 4.1.0,  $\geq 100$ k events

mcplots.cern.ch [arXiv:2401.10621]

(TOTEM\_2011\_I930960)

Ratio to TOTEM

2

1

0.5

6999.5

7000

7000.5

 $\sqrt{s}$ 