

7000 GeV pp

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

- TOTEM
- ▲ Pythia 8.230 default
- -● Pythia 8.230 tune-2c
- ··○ Pythia 8.230 tune-2m

Rivet 4.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:1306.3436]

(TOTEM_2011_I930960)

Ratio to TOTEM

2

1

0.5

6999.5

7000

7000.5

 $\sqrt{s}$ 