

7000 GeV pp

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

Ratio to TOTEM

- TOTEM
- - ○ - - Pythia 6.427 345
- ⋯ □ ⋯ Pythia 6.427 346
- - △ - - Pythia 6.427 370
- - ■ - - Pythia 6.427 default
- - ▲ - - Pythia 8.315 default

(TOTEM_2011_I930960)

Rivet 4.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

6999.5

7000

7000.5

 $\sqrt{s}$ 