

7000 GeV pp

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

- TOTEM
- △— Pythia 6.428 370
- - □ - - Pythia 6.428 391
- . - . ■ - . Pythia 6.428 default
- ▲— Pythia 8.315 default

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

 $\sqrt{s}$ 