

7000 GeV pp

 σ_{Total} $\sqrt{s}=7$ TeV

■ TOTEM
— Pythia 8.315 qcdcr2

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(TOTEM_2011_I930960)

Ratio to TOTEM

 σ_{total} [mb]

180
160
140
120
100
80
60
2
1
0.5

2
1
0.5

6999.5

7000

7000.5

 $\sqrt{s}$ 