

7000 GeV pp

σ_{Total}

Cross section

- TOTEM
- - - ■ Pythia 6 (Def)
- - - ▲ Pythia 8 (Def)

σ_{total} [mb]

Rivet 2.4.0, $\geq 69\text{M}$ events

mcplots.cern.ch

TOTEM_2011_I930960
Pythia 6.428, Pythia 8.212

Ratio to TOTEM

$\times 2$
+50%
+20%
+10%
-10%
-20%
-50%

6999.5 7000 7000.5

\sqrt{s}

