

7000 GeV pp

σ_{Total}

Cross section

- TOTEM
- Pythia 6 (391:ICT6L)
- + Pythia 6 (393:ICT6N)
- Pythia 6 (394:ICT10N)
- ▼ Pythia 6 (395:IM8N)

σ_{total} [mb]

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

mcplots.cern.ch

TOTEM_2011_I930960

Pythia 6.428

Ratio to TOTEM

×2
+50%
+20%
+10%
-10%
-20%
-50%

160
140
120
100
80
60
40
2
1
0.5

6999.5 7000 7000.5

sqrt{s}

