

7000 GeV pp

Soft QCD

Charged Particles Distribution ($N_{ch} > 0, p_T > 0.04 \text{ GeV}$)

- TOTEM
- Pythia 6.428 350
- △— Pythia 6.428 370
- △— Pythia 6.428 380
- Pythia 6.428 p0
- - □ - - Pythia 6.428 p2010

 $dN/d\eta$ 8
7
6
5
4
3
2
1
0
2
1
0.5Rivet 3.1.10, $\geq 3M$ events
mcplots.cern.ch [arXiv:1306.3436]

TOTEM_2012_I1115294

Ratio to TOTEM

2
1
0.5

5.5

6

 η 