

7000 GeV pp

Soft QCD

Charged Particle η Distribution ($N_{\text{ch}} > 0$, $p_{\text{T}} > 0.04$ 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
0Rivet 3.1.10, $\geq 2.3\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

TOTEM_2012_I1115294

Ratio to TOTEM

2
1
0.52
1
0.5 $|\eta|$

5.5

6