

7000 GeV pp

Soft QCD

 $dN/d\eta$ Charged Particles Distribution ($N_{ch} > 0, p_T > 0.04$ GeV)

- TOTEM
- Pythia 6.428 391
- ⊕ Pythia 6.428 393
- Pythia 6.428 394
- ▼ Pythia 6.428 395

8
7
6
5
4
3
2
1
0
2
1
0.5Rivet 3.1.0, ≥ 14 M events
mcplots.cern.ch [arXiv:1306.3436]

TOTEM_2012_I1115294

Ratio to TOTEM

2
1
0.5

5.5

6

 $|\eta|$ 