

7000 GeV pp

Soft QCD

Charged Particle η Distribution ($N_{\text{ch}} > 0$, $p_{\text{T}} > 0.04$ GeV) $dN/d\eta$ $dN/d\eta$

- TOTEM
- - * Pythia 6.428 355
- - □ Pythia 6.428 356
- - △ Pythia 6.428 370
- - * Pythia 6.428 379
- - △ Pythia 6.428 ambt1
- - ● Pythia 6.428 z2

TOTEM_2012_I1115294

Rivet 3.1.10, ≥ 2.1 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to TOTEM

5.5

6

 $|\eta|$

2

1

0.5