

7000 GeV pp

Soft QCD

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

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

 $dN/d\eta$ Rivet 3.1.10, $\geq 2.3\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

TOTEM_2012_I1115294

Ratio to TOTEM

2

1

0.5

 $|\eta|$ 