

7000 GeV pp

Soft QCD

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

- TOTEM
- Pythia 6.426 350
- -▲- - Pythia 6.426 351
- -▼- - Pythia 6.426 352
- ⋯△⋯ Pythia 6.426 353
- -○- - Pythia 6.426 354
- -☆- - Pythia 6.426 355
- ⋯□⋯ Pythia 6.426 356
- -●- - Pythia 6.426 357
- ⋯●⋯ Pythia 6.426 358
- -■- - Pythia 6.426 359

9

8

7

6

5

4

3

2

1

0

TOTEM\_2012\_I1115294

Rivet 3.1.0,  $\geq 6.9$ M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to TOTEM

2

1

0.5

2

1

0.5

5.5

6

 $|\eta|$ 