

7000 GeV pp

Soft QCD

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

- TOTEM
- Pythia 6.425 atlas-csc
- \*-- Pythia 6.425 d6t
- Pythia 6.425 default
- ▼-- Pythia 6.425 dw
- Pythia 6.425 p0

8

7

6

5

4

3

2

1

0

TOTEM\_2012\_I1115294

Rivet 3.1.0,  $\geq 7.1$ M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to TOTEM

2

1

0

0.5

2

1

0

0.5

5.5

6

 $|\eta|$ 