

7000 GeV pp

Soft QCD

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

- TOTEM
- \*--- Pythia 6.423 d6t
- Pythia 6.423 default
- ▼--- Pythia 6.423 dw
- Pythia 6.423 p0

8

7

6

5

4

3

2

1

0

Rivet 3.1.0,  $\geq 7.3$ M events

mcplots.cern.ch [arXiv:1306.3436]

TOTEM\_2012\_I1115294

2

2

Ratio to TOTEM

1

0.5

1

0.5

5.5

6

 $|\eta|$ 