

7000 GeV pp

Soft QCD

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

8

7

6

5

4

3

2

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

■ TOTEM

—△ Pythia 6.428 370

- -○ Pythia 6.428 atlas-csc

- -\* Pythia 6.428 d6t

- -■ Pythia 6.428 default

- -▼ Pythia 6.428 dw

—○ Pythia 6.428 p0

TOTEM\_2012\_I1115294

Rivet 3.1.10,  $\geq 2M$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to TOTEM

2

1

0.5

0

0

5.5

6

 $\eta$ 

2

1

0.5

0

0

0

0

0

0

0