

7000 GeV pp

Soft QCD

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

- TOTEM
- △ Pythia 6.428 370
- -■ Pythia 6.428 default
- ▲ Pythia 8.108.p1 default

Rivet 3.1.0,  $\geq 7M$  events

mcplots.cern.ch [arXiv:1306.3436]

TOTEM\_2012\_I1115294

Ratio to TOTEM

0.5

1

2

0.5

1

2

5.5

6

 $|\eta|$ 