

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 6.428 391
- - ■ - - Pythia 6.428 default
- ▲— Pythia 8.186 default

8  
7  
6  
5  
4  
3  
2  
1  
0Rivet 3.1.0,  $\geq 7M$  events

mcplots.cern.ch [arXiv:1306.3436]

TOTEM\_2012\_I1115294

Ratio to TOTEM

2  
1  
0.52  
1  
0.5

5.5

6

 $|\eta|$ 