

7000 GeV pp

Soft QCD

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

- TOTEM
- Herwig++ 2.7.1 default
- Herwig 7.0.2 default
- ▲- Pythia 8.308 default
- ◆- Sherpa 2.2.9 default

8

7

6

5

4

3

2

1

0

Rivet 3.1.10, $\geq 600k$ events

mcplots.cern.ch [arXiv:1306.3436]

TOTEM_2012_I1115294

Ratio to TOTEM

2

1

0.5

2

1

0.5

5.5

6

 $|\eta|$ 