

7000 GeV pp

Soft QCD

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

- TOTEM
- Herwig++ 2.7.1 default
- Herwig 7.2.0 default
- ▲- Pythia 8.301 default
- ▼- Pythia 8.301 vincia-default
- ◆- Sherpa 2.2.8 default

8

7

6

5

4

3

2

1

0

TOTEM_2012_I1115294

Rivet 3.1.0, $\geq 18k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to TOTEM

2

1

0.5

2

1

0.5

5.5

6

 $|\eta|$ 