

7000 GeV pp

Soft QCD

Charged Particles Distribution ($N_{\text{ch}} > 20, p_{\text{T}} > 0.1 \text{ GeV}$) $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.150 default
- - ◆ Sherpa 1.3.0 default

Rivet 3.1.0, $\geq 5.4\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

0.5

1

2

4

6

8

10

12

14

16

18

-2

0

2

 η

0.5

1

2

4

6

8

10

12

14

16

18