

7000 GeV pp

Soft QCD

Charged Particle 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 8.165 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

 $\eta$ 

0.5

1

2

4

6

8

10

12

14

16

18