

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 8.165 default
- - ◆ Sherpa 1.2.3 default

18  
16  
14  
12  
10  
8  
6  
4  
2  
0.5Rivet 3.1.0,  $\geq 5.4\text{M}$  events  
mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

1  
0.5

-2

0

2

 $\eta$ 