

7000 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{\text{ch}} > 20$ ,  $p_{\text{T}} > 0.1$  GeV)

- ATLAS  
—▲ Pythia 8.308 default

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 18  
16  
14  
12  
10  
8  
6  
4  
2  
1  
0.5

Rivet 3.1.10, 2.8M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2  
1  
0.5 $\eta$ 