

7000 GeV pp

Soft QCD

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

- ATLAS  
◆ Sherpa 1.2.3 default

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

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

ATLAS\_2010\_S8918562

Ratio to ATLAS

 $\eta$ 

-2

0

2