

7000 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{\text{ch}} > 6, p_{\text{T}} > 0.5 \text{ GeV}$ )

- ATLAS  
◆ Sherpa 2.2.9 default

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 7  
6  
5  
4  
3  
2  
1  
0  
2  
1  
0.5Rivet 3.1.10, 2.6M events  
mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2  
1  
0.5 $\eta$ 