

900 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{\text{ch}} > 0$ ,  $|\eta| < 2.5$ ,  $p_{\text{T}} > 0.5$  GeV)

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.301 default

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 2.5  
2  
1.5  
1  
0.5  
2  
1  
0.5Rivet 3.1.0,  $\geq 5.5\text{M}$  events  
mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8591806

Ratio to ATLAS

 $\eta$ 