

7000 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{\text{ch}} > 2, p_{\text{T}} > 0.1 \text{ GeV}$ )

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.308 default

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 12  
10  
8  
6  
4  
2  
0.5Rivet 3.1.10,  $\geq 3.4\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2  
1  
0.5 $\eta$ 