

7000 GeV pp

Soft QCD

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

- ATLAS
- Herwig 7.2.1 default
- ▲ Pythia 8.170 default

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ Rivet 3.1.10,  $\geq 300\text{k events}$ 

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2

1

0.5

 $\eta$ 