

7000 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{\text{ch}} > 1, p_{\text{T}} > 2.5 \text{ GeV}$ )

- ATLAS
- Herwig 7.2.0 default
- ...♦... Sherpa 1.4.2 default

Rivet 3.1.0,  $\geq 5.4 \text{ M events}$ 

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 

Ratio to ATLAS

 $\eta$ 