

900 GeV pp

Soft QCD

Charged Particles Distribution ( $N_{\text{ch}} > 0, |\eta| < 2.5, p_{\text{T}} > 0.5 \text{ GeV}$ ) $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 

- ATLAS
- Herwig 7.0.3 default
- ▲ Pythia 8.212 default
- ◆ Sherpa 1.4.2 default

3

2.5

2

1.5

1

0.5

Rivet 3.1.0,  $\geq 7.4\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8591806

Ratio to ATLAS

2

1

0.5

2

1

0.5

-2

0

2

 $\eta$ 