

900 GeV pp

Soft QCD

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

- ATLAS
- Herwig 7.0.1 default
- ▲--- Pythia 8.301 default
- ◆--- Sherpa 1.4.0 default

3

2.5

2

1.5

1

0.5

ATLAS_2010_S8591806

Rivet 3.1.0, $\geq 7.1\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 η 