

900 GeV pp

Soft QCD

Charged Particle η Distribution ($N_{\text{ch}} > 0$, $|\eta| < 2.5$, $p_T > 0.5$ GeV)

- ATLAS
- Herwig 7.2.1 default
- ▲— Pythia 8.183 default
- ◆··· Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 500 k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8591806

Ratio to ATLAS

2

1

0.5

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

2.5

2

1.5

1

0.5

2

1

0.5

-2

0

2