

900 GeV pp

Soft QCD

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

- ATLAS
- Herwig 7.0.0 default
- ▲ Pythia 8.170 default
- ◆ Sherpa 1.2.3 default

3

2.5

2

1.5

1

0.5

2

1

0.5

Rivet 3.1.0, $\geq 7\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8591806

Ratio to ATLAS

2

1

0.5

η

