

900 GeV pp

Underlying Event

Average Charged Particle Density(TWRD) ($|\eta| < 2.5, p_T > 0.1$ GeV)

- ATLAS
- - □ Herwig 7.1.3 default
- - ▲ Pythia 8.301 default
- - ◆ Sherpa 2.1.1 default

Rivet 3.1.0, ≥ 6.9 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

Ratio to ATLAS

0.5

0.5

1

1

2

2

0.5

1

1.5

2

2.5

3

3.5

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ 