

900 GeV pp

Underlying Event

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.209 default
- - ◆ Sherpa 1.4.3 default

Rivet 3.1.0, $\geq 6M$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

2

0.5

1

1.5

2

2.5

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ p_T (leading track) [GeV]