

900 GeV pp

Underlying Event

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

- ATLAS
- - □ Herwig 7.0.3 default
- - ▲ Pythia 8.108.p1 default
- - ◆ Sherpa 1.4.2 default

Rivet 3.1.0, ≥ 7.3 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

0.5 1 2

0 2

0.5 1 1.5 2 2.5

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

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