

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 8.205 default
- - ◆ Sherpa 1.2.3 default

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ 2.5
2.0
1.5
1.0
0.5
0Rivet 3.1.0, $\geq 6M$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2
1
0.52
1
0.5 p_T (leading track) [GeV]