

900 GeV pp

Underlying Event

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

- ATLAS
- - □ Herwig 7.1.4 default
- - ▲ Pythia 8.170 default
- - ◆ Sherpa 2.1.1 default

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

3

2.5

2

1.5

1

0.5

0

ATLAS_2010_S8894728

Rivet 3.1.0, $\geq 6.9M$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 p_T (leading track) [GeV]