

900 GeV pp

Underlying Event

Average Charged Particle Density(AWAY) ($|\eta| < 2.5, p_T > 0.5$ GeV)

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

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ Rivet 3.1.0, $\geq 6.9\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

2

1

0.5

2

4

6

8

10

 p_T (leading track) [GeV]