

900 GeV pp

Underlying Event

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

- ATLAS
- ▲ Pythia 8.301 default
- ◆ Pythia 8.301 tune-4c
- Pythia 8.301 tune-4cx

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ Rivet 3.1.0, $\geq 7.2\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

0

2

1

0.5

2

4

6

8

10

 p_T (leading track) [GeV]