

7000 GeV pp

Underlying Event

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

- ATLAS
- ▲ Pythia 8.165 default
- ◻ Pythia 8.165 tune-4cx

Rivet 3.1.0, $\geq 7.2M$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

2

0

5

10

15

20

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

6

5

4

3

2

1

0