

900 GeV pp

Underlying Event

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

- ATLAS
- ▲ Pythia 8.186 default
- ▼ Pythia 8.186 tune-1
- Pythia 8.186 tune-2c
- Pythia 8.186 tune-2m

Rivet 3.1.0,  $\geq 7.1$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ 4  
3.5  
3  
2.5  
2  
1.5  
1  
0.5  
0

2

1

0.5

Ratio to ATLAS

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

2

4

6

8

10

0.5