

900 GeV pp

Underlying Event

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

- ATLAS
- △ Pythia 6.425 ambt1
- Pythia 6.425 z2

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ Rivet 3.1.0,  $\geq 7.3\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2

2

2

2

2

2

2

2

2

0.5

1

2

0

0.2

0.4

0.6

0.8

1

1.2

1.4

1.6

1.8

2

2

4

6

8

10

 $p_T$  (leading track) [GeV]