

7000 GeV pp

Underlying Event

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

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 391
- Pythia 6.428 default
- ▲ Pythia 8.301 default

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ 

3.5

3

2.5

2

1.5

1

0.5

0

2

1

0.5

Rivet 3.1.0,  $\geq 7.8$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2

1

0.5

 $p_T$  (leading track) [GeV]