

7000 GeV pp

Underlying Event

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

- ATLAS
- Pythia 6.426 350
- Pythia 6.426 p0
- - □ - - Pythia 6.426 p2010

6

5

4

3

2

1

0

ATLAS\_2010\_S8894728

Rivet 3.1.0,  $\geq 6.9M$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

2

1

1

0.5

0.5

0

5

10

15

20

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