

7000 GeV pp

Underlying Event

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

- ATLAS
- Pythia 6.428 350
- △— Pythia 6.428 370
- △— Pythia 6.428 380
- Pythia 6.428 p0
- - □ - - Pythia 6.428 p2010

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

5

4

3

2

1

0

2

1

0

2

1

0

ATLAS_2010_S8894728

Rivet 3.1.0, ≥ 14 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

5

10

15

20

 p_T (leading track) [GeV]