

7000 GeV pp

Underlying Event

Average Charged Particle Density(AWAY) ( $|\eta| < 2.5, p_T > 0.1$  GeV) $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ 

- ATLAS
- - □ - - Pythia 6.428 391
- - + - - Pythia 6.428 393
- - ● - - Pythia 6.428 394
- - ▼ - - Pythia 6.428 395

Rivet 3.1.0,  $\geq 14$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

2

 $p_T$  (leading track) [GeV]

0

5

10

15

20