

900 GeV pp

Underlying Event

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

- ATLAS
- △ Pythia 6.425 ambt1
- ⋯● Pythia 6.425 z1
- Pythia 6.425 z2

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ 2.5  
2.0  
1.5  
1.0  
0.5Rivet 3.1.0,  $\geq 7.2$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2  
1  
0.52  
1  
0.5 $p_T$  (leading track) [GeV]