

7000 GeV pp

Underlying Event

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

- ATLAS
- Herwig++ 2.6.1a default
- Herwig 7.2.0 default

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ 6  
5  
4  
3  
2  
1  
0  
2  
1  
0.5Rivet 3.1.0,  $\geq 5.4$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

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

0 5 10 15 20