

900 GeV pp

Underlying Event

Average Charged Particle Density(AWAY) ($|\eta| < 2.5, p_T > 0.5$ GeV)

- ATLAS
- ⊕ Epos 1.99.crmc.1.6.0 lhcc
- ▼ Herwig 7.2.0 softTune
- △ Pythia 6.427 370
- ▲ Pythia 8.165 default

Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

 $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ 2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

Ratio to ATLAS

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