

7000 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 lhc
- ▼— Herwig 7.2.0 softTune
- △— Pythia 6.428 370
- ▲— Pythia 8.176 default

Rivet 3.1.0,  $\geq 5.5$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

