

7000 GeV pp

Underlying Event

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

- ATLAS
- + Epos 1.99.crmc.1.6.0 lhc
- -□ Herwig 7.2.0 default
- -△ Pythia 6.428 370
- -▲ Pythia 8.150 default
- -◆ Sherpa 1.2.3 default

Rivet 3.1.0,  $\geq 5.4$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

