

900 GeV pp

Underlying Event

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

- ATLAS
- +— Epos 1.99.crmc.1.6.0 lhc
- - □ - - Herwig 7.2.0 default
- - △ - - Pythia 6.428 370
- - ▲ - - Pythia 8.201 default
- - ◆ - - Sherpa 2.1.1 default

Rivet 3.1.0, ≥ 6M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

