

900 GeV pp

Underlying Event

Toward  $N_{\text{chg}}$  density vs.  $p_T^{\text{trk1}}$ ,  $\sqrt{s} = \{900 \text{ GeV}\}$ 

- ATLAS
- +— Epos 1.99.crmc.1.6.0 lhc
- - □ Herwig 7.2.1 default
- - △ Pythia 6.428 370
- - ▲ Pythia 8.244 default
- - ◆ Sherpa 2.2.9 default

Rivet 4.1.0,  $\geq 200k$  events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2010\_I879407)

Ratio to ATLAS

