

900 GeV pp

Underlying Event

Std. dev. Transverse N_{chg} density vs. p_T^{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 8.315 default
- ... ♦ Sherpa 2.2.9 default

Rivet 4.1.0, $\geq 300k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

 p_T (leading track) [GeV]