900 GeV pp

Underlying Event

Toward 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

$\#\langle d^2 N_{chg}/d\eta d\phi \# \rangle$

(ATLAS_2010_I879407)

Rivet 4.1.0, ≥ 400k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

p_T (leading track) [GeV]