900 GeV pp

Underlying Event

Away N_{chg} density vs. p_T^{trk1}, $\sqrt{s} = \{900 \text{ GeV}\}$, $p_T > \{100 \text{ MeV}\}$

■ ATLAS
Epos 1.99.crmc.1.6.0 lhc
Herwig 7.2.1 softTune
Pythia 6.428 370
Pythia 8.315 default

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

(ATLAS_2010_I879407)

Rivet 4.1.0, $\geq$ 600k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

p_T (leading track) [GeV]