

900 GeV pp

Underlying Event

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

■ ATLAS
 — Pythia 8.315 ropes

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

Rivet 4.1.0, 4M events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2
1
0.52.5
2
1.5
1
0.5
0

0.5

 p_{T} (leading track) [GeV]