

900 GeV pp

Underlying Event

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

■ ATLAS

— Pythia 8.307 ppthermNoScat

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

Rivet 4.1.0, 800k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

0.5

1

2

2

4

6

8

10

 p_{T} (leading track) [GeV]