

900 GeV pp

Underlying Event

Away  $N_{\text{chg}}$  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

0.5

1

2

0.5

1

2

 $p_{\text{T}}$  (leading track) [GeV]