

7000 GeV pp

Underlying Event

Toward N_{chg} density vs. p_T^{trk1} , $\sqrt{s} = \{7 \text{ TeV}\}$

■ ATLAS

— Pythia 8.313 rescatter

 $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ 3.5
3
2.5
2
1.5
1
0.5
0

(ATLAS_2010_I879407)

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2
1
0.52
1
0.5 p_T (leading track) [GeV]

0 5 10 15 20