

7000 GeV pp

Underlying Event

Away N_{chg} density vs. $p_{\text{T}}^{\text{trk1}}$, $\sqrt{s} = \{7 \text{ TeV}\}$, $p_{\text{T}} > \{100 \text{ MeV}\}$

■ ATLAS
—▲ Pythia 8.230 default

 $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ 6
5
4
3
2
1
0

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2
1
0.52
1
0.5 p_{T} (leading track) [GeV]