

7000 GeV pp

Underlying Event

Transverse N_{chg} density vs. $|\eta^{\text{trk1}}|$, $\sqrt{s} = \{7 \text{ TeV}\}$, $p_T > \{100 \text{ MeV}\}$ $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$

- ATLAS
- △ Pythia 6.428 370
- -▲ Pythia 6.428 371
- -▼ Pythia 6.428 372
- ··· Pythia 6.428 376

5

4

3

2

1

0

(ATLAS_2010_I879407)

Rivet 4.1.0, $\geq 100\text{k}$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

1

0.5

2

1

0.5

 $|\eta|$ (leading track)