

7000 GeV pp

Underlying Event

Transverse $\sum p_T$ density vs. $|\eta^{\text{trk1}}|$, $\sqrt{s} = \{7 \text{ TeV}\}$, $p_T > \{100 \text{ MeV}\}$

- ATLAS
- ▲ Pythia 8.315 default
- ★ Pythia 8.315 tune-4c
- Pythia 8.315 tune-4cx

$\langle d^2 \sum p_T / d\eta d\phi \rangle$ [GeV]

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

$|\eta|$ (leading track)

