

7000 GeV pp

Underlying Event

Away $\sum p_T$ density vs. p_T^{trk1} , $\sqrt{s} = \{7 \text{ TeV}\}$ $\# \langle d^2 \sum p_T / d\eta d\phi \rangle [\text{GeV}]$

- ATLAS
- ▲ Pythia 8.315 default
- Pythia 8.315 tune-A14-CTEQL1
- - - Pythia 8.315 tune-A14-MSTW2008LO
- ⋯ Pythia 8.315 tune-A14-NNPDF2.3LO
- - Δ Pythia 8.315 tune-CUETP8S1

10

1

 10^{-1}

(ATLAS_2010_I879407)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 p_T (leading track) [GeV]