

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, $p_T^{\text{lead}} > \{1 \text{ GeV}\}$

■ ATLAS

— Pythia 8.307 pptherm

 $\# \langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$

1.2

1

0.8

0.6

0.4

0.2

0

Rivet 4.1.0, 1.1M events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $|\Delta\phi|$ [degrees]