

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, towards region

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

■ ATLAS
—▲ Pythia 8.210 default
- -▲ Pythia 8.210 default-CD
- -▲ Pythia 8.210 default-DL
...▲ Pythia 8.210 default-MBR

5

4

3

2

1

0

(ATLAS_2017_I1509919)

Rivet 4.1.0, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $p_{\text{T}}^{\text{lead}} \{[\text{GeV}]\}$ 