

13000 GeV pp

Underlying Event

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

■ ATLAS
—▲ Pythia 8.301 default

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

Rivet 4.1.0, 500k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

0.5

 $|\Delta\phi| \text{ [degrees]}$ 