

13000 GeV pp

Underlying Event

 $\langle N_{\text{ch}} \rangle$ vs $p_{\text{T}}^{\text{lead}}$ ($|\eta| < 2.5$, $p_{\text{T}} > 0.5$ GeV, $p_{\text{T}1} > 1$ GeV)

■ ATLAS

—▲ Pythia 8.170 default

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

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2017_I1509919

Ratio to ATLAS

2

1

0.5

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