

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, transverse region

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.315 default
- - ◆ Sherpa 1.4.5 default

Rivet 4.1.0, ≥ 400k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

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

0 10 20 30