

13000 GeV pp

Underlying Event

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.235 default
- - ◆ Sherpa 2.2.9 default

Rivet 4.1.0, $\geq 300\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

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