

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, towards region

- ATLAS
- +— Epos 1.99.crmc.1.5.7 lhcc
- - □ Herwig 7.2.1 default
- ▲— Pythia 8.315 default
- ...◆... Sherpa 2.2.9 default

Rivet 4.1.0, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

 $p_T^{\text{lead}} \{[\text{GeV}]\}$ 