

13000 GeV pp

Underlying Event

 $\langle \text{mean } p_T \rangle [\text{GeV}]$ Average p_T vs p_T^{lead} ($|\eta| < 2.5$, $p_T > 0.5$ GeV, $p_{T1} > 1$ GeV)

- ATLAS
- Herwig 7.2.1 default
- △ Pythia 6.428 370
- ▲ Pythia 8.308 default
- ...♦ Sherpa 2.2.9 default

Rivet 3.1.10, $\geq 2.1\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2017_I1509919

Ratio to ATLAS

2

1

0.5

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