

7000 GeV pp

Underlying Event

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

- ATLAS
- Herwig 7.2.1 default
- ▲— Pythia 8.315 default
- ◆··· Sherpa 2.2.9 default

1.2

1

0.8

0.6

0.4

0.2

(ATLAS_2010_I879407)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

3

2

1

0.5

2

1

0.5

0

1

2

3

3.1