

7000 GeV pp

Underlying Event

 $\langle p_T \rangle$ density wrt ϕ of leading track ($|\eta| < 2.5$, $p_T > 0.5$ GeV, $p_{T1} > 2$ GeV) $\langle d^2 p_T / d\eta d\phi \rangle$

- ATLAS
- Herwig 7.2.0 default
- ▲ Pythia 8.183 default
- ◆ Sherpa 1.3.0 default

2.5

2

1.5

1

0.5

0

0.5

1

1.5

2

2.5

ATLAS_2010_S8894728

Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

0

0.5

1

1.5

2

2.5

3

3.5

 $|\phi_{left} - \phi_{right}|$ (w.r.t. leading track) [rad]

0

0.5

1

1.5

2

2.5

3

3.5