

900 GeV pp

Underlying Event

 $\langle p_T \rangle$ density wrt ϕ of leading track ($|\eta| < 2.5$, $p_T > 0.5$ GeV, $p_{T1} > 1$ GeV) $\langle d^2 p_T / d\eta d\phi \rangle$

- ATLAS
- Herwig++ 2.6.2 default
- Herwig 7.2.0 default
- ▲ Pythia 8.226 default
- ◆ Sherpa 1.4.2 default

Rivet 3.1.0, $\geq 6M$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

0.5

2

0.5

2

0

1

2

3

 $|\phi|$ (w.r.t. leading track) [rad]