

7000 GeV pp

Underlying Event

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

 $\langle d^2 p_T / d\eta d\phi \rangle$

1.2

1

0.8

0.6

0.4

0.2

0

■ ATLAS

-○- Herwig++ 2.6.1a default

-□- Herwig 7.2.0 default

-▲- Pythia 8.150 default
Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

0

2

1

0.5

0

2

1

0.5

0

1

2

3

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