

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)

- ATLAS
- +— Epos 1.99.crmc.1.6.0 lhc
- ▼— Herwig 7.2.0 softTune
- △— Pythia 6.427 370
- ▲— Pythia 8.108.p1 default

Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

0.5

0.4

0.3

0.2

0.1

2

1

0.5

0.5

0.4

0.3

0.2

0.1

2

1

0.5

0 1 2 3

left| ϕ |right| (w.r.t. leading track) [rad]

