

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)

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.209 default

Rivet 3.1.0, ≥ 7.1 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

Ratio to ATLAS

0.5

0.5

1

1

2

2

0.2

0.4

0.6

0.8

1

1.2

0

1

2

3

 $|\text{left}|\phi|\text{right}|$ (w.r.t. leading track) [rad] $\langle d^2 p_T / d\eta d\phi \rangle$