

900 GeV pp

Underlying Event

Average $\Sigma(p_T)$ vs p_T^{lead} ($|\eta| < 2.5$, $p_T > 0.5$ GeV)

- ATLAS
- - - □ Pythia 6.423 default
- - - ▲ Pythia 8.240 default

Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

2

 p_T (leading track) [GeV] $\langle d^2 \text{ sum } p_T / d\eta d\phi \rangle$ [GeV]

3.5

3

2.5

2

1.5

1

0.5

0

2

4

6

8

10