

900 GeV pp

Underlying Event

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

- ATLAS
- ▲ Pythia 8.308 default
- ★ Pythia 8.308 tune-4c
- Pythia 8.308 tune-4cx

Rivet 3.1.10, $\geq 3.3\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

0.5

1

2

0.5

1

2

2

0

0.5

1

1.5

2

2.5

3

2

4

6

8

10

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