

7000 GeV pp

Underlying Event

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

■ ATLAS

—▲ Pythia 8.170 default

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

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

 p_T (leading track) [GeV]

0 5 10 15 20