

7000 GeV pp

Underlying Event

 $\Sigma(p_T) \text{ vs } \eta^{\text{lead}} (|\eta| < 2.5, p_T > 0.1 \text{ GeV})$

- ATLAS
- Pythia 6.427 345
- △- Pythia 6.427 370
- △- Pythia 6.427 ambt1
- Pythia 6.427 z2

Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

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

3

2.5

2

1.5

1

0.5

2

1

0.5