

7000 GeV pp

Underlying Event

 $\Sigma(p_T)$ vs η^{lead} ($|\eta| < 2.5$, $p_T > 0.1$ GeV) $\langle d^2 \text{ sum } p_T / d\eta d\phi \rangle$ [GeV]

- ATLAS
- *-- Pythia 6.428 355
- ...□... Pythia 6.428 356
- △-- Pythia 6.428 370
- *--- Pythia 6.428 379
- △-- Pythia 6.428 ambt1
- Pythia 6.428 z2

Rivet 3.1.10, ≥ 2.3 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

 $|\eta|$ (leading track)