

7000 GeV pp

Underlying Event

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

- ATLAS
- Pythia 6.428 346
- △ Pythia 6.428 347
- ◇ Pythia 6.428 348
- ⊕ Pythia 6.428 349
- △ Pythia 6.428 370

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

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

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

2.8

2.6

2.4

2.2

2.0

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0.0

0

1

2

 $|\eta|$ (leading track)