

13000 GeV pp

Z+Jet

Scalar $\Sigma(p_T)$ (ATLAS UE in Z production)

- ATLAS
- Pythia 6.428 345
- △- Pythia 6.428 370
- △- Pythia 6.428 ambt1
- Pythia 6.428 z2

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ Rivet 3.1.10, $\geq 2.6\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

 $p_T [\text{GeV}]$ 