

13000 GeV pp

Z+Jet

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

- ATLAS
- - ■ Pythia 6.426 default
- - ▲ Pythia 8.308 default

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T [\text{GeV}]^{-1}$ 2.5
2
1.5
1
0.5
0Rivet 3.1.10, $\geq 400k$ events
mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019_I1736531

Ratio to ATLAS

2
1
0.52
1
0.5Mean $p_T/d\eta d\phi$

0

2

4