

13000 GeV pp

Z+Jet

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

- ATLAS
- ▲ Pythia 8.308 default
- - * Pythia 8.308 tune-4c
- - □ Pythia 8.308 tune-4cx

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ 0.25
0.2
0.15
0.1
0.05
0

ATLAS_2019_I1736531

Rivet 3.1.10, $\geq 2.4\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2
1
0.52
1
0.5 $p_T [\text{GeV}]$

0

2

4