

13000 GeV pp

Z+Jet

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

- ATLAS
- ▲ Pythia 8.170 default
- ◻ Pythia 8.170 tune-4cx

 $1/N_{\text{ev}} dN_{\text{ev}}/d\text{sum } p_T/d\eta d\phi [\text{GeV}]^{-1}$ 1
0.8
0.6
0.4
0.2
0Rivet 3.1.10, $\geq 400\text{k events}$
mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1726534

Ratio to ATLAS

2
1
0.52
1
0.5sum $p_T/d\eta d\phi [\text{GeV}]$ 