

13000 GeV pp

Z+Jet

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

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

 $1/N_{ch} dN_{ch}/dp_T$ [GeV]

0.35

0.3

0.25

0.2

0.15

0.1

0.05

0

ATLAS_2019_I1736531

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 p_T [GeV]