

13000 GeV pp

Z+Jet

Nch (ATLAS UE in Z production)

- ATLAS
- ▲ Pythia 8.183 default
- -▲ Pythia 8.183 default-CD
- ...▲ Pythia 8.183 default-MBR

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T [\text{GeV}]^{-1}$ 1.4
1.2
1
0.8
0.6
0.4
0.2
0

ATLAS_2019_11736531

Rivet 3.1.10, $\geq 200\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

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

0

1

2

3

4