

13000 GeV pp

Z+Jet

 $\langle p_T \rangle$  (ATLAS UE in Z production)

- ATLAS
- △ Pythia 6.425 ambt1
- Pythia 6.425 z1
- Pythia 6.425 z2

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T [\text{GeV}]^{-1}$ Rivet 3.1.10,  $\geq 300\text{k}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

2

1

0.5

Mean  $p_T/d\eta d\phi$ 

3

2

1