

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

- ATLAS
- ▲ Pythia 8.308 default

 $\langle \text{mean } p_{T, \text{UE}} \rangle$  [GeV]7  
6  
5  
4  
3  
2  
1  
0

Rivet 3.1.10, 3.3M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

2  
1  
0.52  
1  
0.5

0

200

400

 $Z p_T$  [GeV]