

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- ▲ Pythia 8.308 default

 $\langle \text{sum } p_{T, \perp} / d\eta d\phi \rangle$  [GeV]5  
4  
3  
2  
1  
05  
4  
3  
2  
1  
05  
4  
3  
2  
1  
05  
4  
3  
2  
1  
05  
4  
3  
2  
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05  
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3  
2  
1  
05  
4  
3  
2  
1  
05  
4  
3  
2  
1  
0

ATLAS\_2019\_I1736531

Ratio to ATLAS

2  
1  
0.5

Rivet 3.1.10, 3.3M events

mcplots.cern.ch [arXiv:1306.3436]

2  
1  
0.52  
1  
0.52  
1  
0.52  
1  
0.5 $Z p_T$  [GeV]

0

200

400