

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- ▲ Pythia 8.308 default

$\langle \text{sum } p_T / d\eta d\phi \rangle$  [GeV]

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  
0.5

2  
1  
0.5

Z  $p_T$  [GeV]

