

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- ▲ Pythia 8.308 default
- ◆ Sherpa 2.2.9 default

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T \text{ [GeV]}^{-1}$ 6  
5  
4  
3  
2  
1  
0Rivet 3.1.10,  $\geq 3.1\text{M}$  events  
mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

2  
1  
0.52  
1  
0.50 2 4  
Mean  $p_T/d\eta d\phi$ 