

13000 GeV pp

Z (Drell-Yan)

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

■ ATLAS
—▲ Pythia 8.170 default

 $1/N_{\text{ev}} dN_{\text{ev}}/d\text{sum } p_T/d\eta d\phi [\text{GeV}]^{-1}$

1
0.8
0.6
0.4
0.2
0

Rivet 3.1.10, 400k events
mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_11736531

Ratio to ATLAS

2
1
0.5

2
1
0.5

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

0

2

4