

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- MadGraph5 2.7.2.atlas3 lo
- -○- - MadGraph5 2.7.2.atlas3 lo1jet
- ...○... MadGraph5 2.7.2.atlas3 lo2jet

 $1/N_{\text{ev}} dN_{\text{ev}}/d\text{sum } p_T/d\eta d\phi \text{ [GeV]}^{-1}$ Rivet 3.1.10, $\geq 2.4\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

sum $p_T/d\eta d\phi$ [GeV]