

13000 GeV pp

Z (Drell-Yan)

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

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

Rivet 3.1.10, ≥ 2.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

 $Z p_T$ [GeV] $\langle \sum p_{T,i} / d\eta d\phi \rangle$ [GeV]22
20
18
16
14
12
10
8
6
4
2
0

2

1

0.5

0

200

400