

13000 GeV pp

Z (Drell-Yan)

 $p_{\perp}^{\parallel}$ (CMS Z production)

- CMS
- △ Herwig++ Powheg 2.7.1 default
- MadGraph5 2.7.2.atlas3 lo
- ◆ Sherpa 1.4.5 default

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2019_07.3680

Ratio to CMS

2

1

0.5

 $p_{\perp}^Z$ [GeV]

1

10

 10^2 10^3 $d\sigma/dp_{\perp}^Z$ [pb/GeV]

20

18

16

14

12

10

8

6

4

2

0