

13000 GeV pp

Z (Drell-Yan)

 $p_T(Z)$ ratio (CMS Drell-Yan)Ratio $\rightarrow$ Z peak region

- CMS
- - □ Herwig 7.2.1 default
- - ○ MadGraph5 2.7.2.atlas3 lo
- - ▲ Pythia 8.183 default
- - ◆ Sherpa 2.2.9 default

Rivet 3.1.10, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2022_12079374

Ratio to CMS

 $p_T(\text{ellell})$ [GeV]