

13000 GeV pp

Z (Drell-Yan)

CMS, 13 TeV, $\{Z\gamma^* \rightarrow \ell\ell^+ \ell\ell^-, 50 < m_{\ell\ell} < 76 \text{ GeV}\}$

■ CMS

---△ Herwig++ Powheg 2.7.1 default

---▼ Herwig++ Powheg 2.7.1 LHC-UE-EE-4

---□ Herwig 7.2.1 default

Ratio $\rightarrow$ Z peak region0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0Rivet 4.1.0, $\geq 2.3\text{M events}$

mcplots.cern.ch [arXiv:2401.10621]

(CMS_2022_I2079374)

Ratio to CMS

3
2
1
0.53
2
1
0.5 ϕ_η^*