

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++ 2.4.2 default

---△--- 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

(CMS_2022_I2079374)

Rivet 4.1.0, $\geq 500k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to CMS

3
2
1
0.53
2
1
0.5 ϕ_η^*