

13000 GeV pp

Z (Drell-Yan)

Ratio $\rightarrow$ Z peak region 10^{-2} 10^{-3} 10^{-4} CMS, 13 TeV, $\{Z\gamma^* \rightarrow \ell\ell^+ \ell\ell^-, 350 < m_{\ell\ell} < 1000 \text{ GeV}\}$

CMS

Pythia 8.186 default

(CMS_2022_I2079374)

Rivet 4.1.0, 500k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2

1

0.5

2

1

0.5

 ϕ_η^* 