

13000 GeV pp

Z (Drell-Yan)

CMS, 13 TeV, $\{Z\gamma^* \rightarrow \ell\ell^+ \ell\ell^-, 350 < m_{\ell\ell} < 1000 \text{ GeV}$

- CMS
- - ■ Pythia 6.424 default
- - ▲ Pythia 8.235 default

Ratio $\rightarrow$ Z peak region 10^{-2} 10^{-3} 10^{-4} Rivet 4.1.0, $\geq 200k$ events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2022_I2079374)

Ratio to CMS

2

1

0.5

2

1

0.5

 ϕ_{η}^*

0

1

2

3