

13000 GeV pp

Z (Drell-Yan)

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

- CMS
- - ■ Pythia 6.425 default
- - ▲ Pythia 8.230 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, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2022_I2079374)

Ratio to CMS

2
1
0.5

2

0.5

0

1

2

3

 ϕ_η^*