

13000 GeV pp

Z (Drell-Yan)

CMS, 13 TeV, $\{Z\gamma^* \rightarrow \ell\ell^+ \ell\ell^-, 106 < m_{\ell\ell} < 170 \text{ GeV}\}$

- CMS
- - ■ Pythia 6.425 default
- - ▲ Pythia 8.301 default

Ratio $\rightarrow$ Z peak region0.06
0.05
0.04
0.03
0.02
0.01Rivet 4.1.0, $\geq 500k$ events
mcplots.cern.ch [arXiv:1306.3436]

(CMS_2022_I2079374)

Ratio to CMS

2
1
0.52
1
0.5 ϕ_η^* 