

13000 GeV pp

Z (Drell-Yan)

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

- CMS
- Herwig++ 2.7.1 default
- Herwig 7.0.0 default
- ▲- Pythia 8.315 default
- ▼- Pythia 8.315 vincia-default
- ◆- Sherpa 2.2.9 default

Ratio $\rightarrow$ Z peak region 10^{-1}
 10^{-2}
 10^{-3}
 10^{-4} Rivet 4.1.0, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2022_I2079374)

Ratio to CMS

2
1
0.52
1
0.5 $p_T(\ell\ell) [\text{GeV}]$

0

500

1000

 $p_T(\ell\ell) [\text{GeV}]$