

13000 GeV pp

Z (Drell-Yan)

 $p_T^Z$  (CMS Z production)Rivet 4.1.0,  $\geq 1.9$ M events

mcplots.cern.ch [arXiv:1306.3436]

(CMS\_2019\_I1753680)

- CMS
- ▲ Pythia 8.315 default
- -▲ Pythia 8.315 default-CD
- -▲ Pythia 8.315 default-DL
- ...▲ Pythia 8.315 default-MBR

Ratio to CMS

