

8000 GeV pp

Jets

 $\sqrt{s}=8$ TeV $|y_1+y_2|/2 < 1.11$ 3.6 TeV $< M_{jj} < 4.2$ TeV

■ CMS

— Pythia 8.308 CP5

 $1/\sigma_{\{dijet\}} d\sigma_{\{dijet\}}/d\chi_{\{dijet\}}$

Rivet 4.1.0, 1M events

mcplots.cern.ch [arXiv:2401.10621]

(CMS_2015_I1327224)

Ratio to CMS

2

1

0.5

0

5

10

15

 $\chi_{\{dijet\}} = e^{|y_1-y_2|}$ 