

7000 GeV pp

Soft QCD

 $\sqrt{s}=7$  TeV,  $pp \rightarrow \{\text{jet}\}_1 \{\text{jet}\}_2, |\eta_{-1,j-2}| < 4.4, p_T^{j-1,j-2} > 20$  GeV

- CMS
- ▲ Pythia 8.315 default
- ▲ Pythia 8.315 default-noFsr
- ▲ Pythia 8.315 default-noRap

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(CMS\_2012\_I1184941)

Ratio to CMS

2

1

0.5

 $\xi$  $d\sigma_{jj}/d\xi$  [ $\mu\text{b}$ ] $10^3$  $10^2$ 

10

2

1

0.5

0

0.005

0.01