

7000 GeV pp

Soft QCD

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

■ CMS

—▲ Pythia 8.165 default

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(CMS_2012_I1184941)

Ratio to CMS

2

1

0.5

 ξ $d\sigma_{jj}/d\xi$ [μb] 10^3 10^2

10

2

1

0.5

0

0.005

0.01