

7000 GeV pp

Soft QCD

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

- CMS
- - ■ - - Pythia 6.423 default
- - ▲ - - Pythia 8.244 default

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2012_I1184941)

 $d\sigma_{jj}/d\xi$ [μb]

Ratio to CMS

 ξ

0

0.005

0.01

25

20

15

10

5

0

2

1

0.5