

7000 GeV pp

Soft QCD

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

- CMS
- Pythia 6.428 391
- +--- Pythia 6.428 393
- Pythia 6.428 394
- ▼--- Pythia 6.428 395

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(CMS_2012_I1184941)

 $d\sigma_{jj}/d\xi [\mu\text{b}]$

Ratio to CMS

 ξ

0

0.005

0.01

25

20

15

10

5

0

2

1

0.5

2

1

0.5