

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 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(CMS\_2012\_I1184941)

Ratio to CMS

2

1

0.5

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