

7000 GeV pp

Soft QCD

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

- CMS
- ▲ Pythia 8.230 default
- Pythia 8.230 tune-A14-CTEQL1
- - - Pythia 8.230 tune-A14-MSTW2008LO
- ⋯ Pythia 8.230 tune-A14-NNPDF2.3LO
- - △ Pythia 8.230 tune-CUETP8S1

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2012_I1184941)

Ratio to CMS

2

1

0.5

 ξ

0

0.005

0.01

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