

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
- ▲- Pythia 8.210 default

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2012_I1184941)

 $d\sigma_{ij}/d\xi$ [μb]

Ratio to CMS

 ξ

0

0.005

0.01

160
140
120
100
80
60
40
20
0
2
1
0.5

2

1

0.5

 ξ