

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 6.427 345
- △- Pythia 6.427 370
- △- Pythia 6.427 ambt1
- Pythia 6.427 z2

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2012_I1184941)

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

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

0

0.005

0.01