

7000 GeV pp

Soft QCD

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

- CMS
- Pythia 6.426 350
- Pythia 6.426 p0
- Pythia 6.426 p2010

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

(CMS\_2012\_I1184941)

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

Ratio to CMS

 $\xi$ 

160  
140  
120  
100  
80  
60  
40  
20  
0

2  
1  
0.5

0

0.005

0.01