

7000 GeV pp

Soft QCD

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

- CMS
- - ■ - - Pythia 6.424 default
- - * - - Pythia 6.424 pro-q2o

Rivet 4.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2012_I1184941)

Ratio to CMS

2

1

0.5

 ξ $d\sigma_{ij}/d\xi$ [μb]