

7000 GeV pp

Soft QCD

Diffractive ξ ($|\eta^{jj_2}| < 4.4$, $p_T^{jj_2} > 20$ GeV) $d\sigma_{jj}/dx_i$ [μb] 10^2

10

■ CMS

—△— Pythia 6.428 370

- - * - - Pythia 6.428 378

- - * - - Pythia 6.428 379

Rivet 3.1.10, $\geq 2\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2012_I1184941

Ratio to CMS

2

1

0.5

2

1

0.5

 10^{-3} 10^{-2} ξ_i 