

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

2

1

0.5



CMS



Herwig 7.2.1 default



Pythia 8.308 default



Sherpa 1.4.3 default

CMS_2012_I1184941

Ratio to CMS

 10^{-2}
 ξ_i

mcplots.cern.ch [arXiv:1306.3436]

Rivet 3.1.10, $\geq 400\text{k events}$ 