

7000 GeV pp

Soft QCD

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

■ CMS

◆ Sherpa 2.2.6 default

10

Rivet 3.1.0, 6.7M events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2012\_I1184941

2

2

Ratio to CMS

1

1

0.5

0.5

 $10^{-3}$  $10^{-2}$  $\xi$ 