

7000 GeV pp

Soft QCD

Diffractive  $\xi$  ( $|\eta_{j_2}^{jj}| < 4.4$ ,  $p_T^{j_2} > 20$  GeV)

- CMS
- Herwig 7.1.4 default
- ▲ Pythia 8.301 default
- ...◆ Sherpa 1.2.3 default

Rivet 3.1.0,  $\geq 7.3$ M events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2012\_I1184941

Ratio to CMS

2

1

0.5

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