

7000 GeV pp

Soft QCD

Diffractive  $\xi$  ( $|\eta^{jj_2}| < 4.4$ ,  $p_T^{jj_2} > 20$  GeV)

- CMS
- Herwig 7.2.1 default
- ▲-- Pythia 8.212 default
- ...◆... Sherpa 2.2.9 default

Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2012\_I1184941

Ratio to CMS

2

1

0.5

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