



7000 GeV pp

Jets

 $F_{\eta_2}(\#\text{b}\eta) \text{ (} n_j \geq 3, p_{T1/3} > 100/30, |\eta_2| < 0.8, M_{12} > 220, 0.5 < \Delta R_{23} < 1.5 \text{)}$ 
 CMS

 Herwig++ 2.5.1 default

 Herwig 7.2.0 default

 Herwig 7.2.0 softTune

 $F_{\eta_2}(\text{b}\eta)$ 

0.12

0.1

0.08

0.06

0.04

0.02

2

1

0.5

0

1

2

3

b $\eta$ Rivet 3.1.0,  $\geq 5.5\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2013\_I1265659

Ratio to CMS

2

1

0.5