

7000 GeV pp

 $b\bar{b}$ 
 $\Delta R(\text{b-jets}) (\text{pT}_{\text{Jlead}} > 56 \text{ GeV}, |\eta_{\text{Jlead}}| < 3)$ 
 $d\sigma / d\Delta\{R\} [\text{pb}]$  $10^5$  $10^4$  $10^3$ 

CMS

Herwig++ 2.7.1 default

Herwig++ 2.7.1 UE-EE-5

Herwig 7.1.4 default

CMS\_2011\_S8973270

Rivet 3.1.10,  $\geq 400$ k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

 $10^2$ 

2

1

0.5

2

1

0.5

0

1

2

3

4

 $\Delta\{R\}$  between two B hadrons