

7000 GeV pp

 $b\bar{b}$  $\eta(\text{b-jet})$  (with LEP fragmentation fractions)

- LHCb
- - □ Herwig 7.2.1 default

 $d\sigma(pp \rightarrow H_b X) / d\eta [\mu\text{b}]$ 70  
60  
50  
40  
30  
20  
10Rivet 3.1.10, 2.8M events  
mcplots.cern.ch [arXiv:1306.3436]

LHCb\_2010\_I867355

Ratio to LHCb

2  
1  
0.52  
1  
0.5 $\eta(H_b)$ 