

7000 GeV pp

 $b\bar{b}$  $\eta(\text{b-jet})$  (with LEP fragmentation fractions) $d\sigma(pp \rightarrow H_b X) / d\eta$  [ $\mu\text{b}$ ]

- LHCb
- ▲ Pythia 8.170 default

70  
60  
50  
40  
30  
20  
10  
0Rivet 3.1.10, 500k events  
mcplots.cern.ch [arXiv:1306.3436]

LHCb\_2010\_I867355

Ratio to LHCb

2  
1  
0.52  
1  
0.5

2

3

4

5

6

 $\eta(H_b)$ 