

7000 GeV pp

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

- LHCb
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.308 default

 $d\sigma(pp \rightarrow H_b X) / d\eta [\mu\text{b}]$ 70
60
50
40
30
20
10
0Rivet 3.1.10, $\geq 2.8\text{M}$ events
mcplots.cern.ch [arXiv:1306.3436]

LHCb_2010_I867355

Ratio to LHCb

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

2

3

4

5

6