

7000 GeV pp

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

- LHCb
- Herwig++ 2.5.1 default
- Herwig 7.2.1 default

 $d\sigma(pp \rightarrow H_b X) / d\eta [\mu\text{b}]$ 10^3 10^2

10

1

2

1

0.5

Rivet 3.1.10, $\geq 400\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

LHCb_2010_I867355

Ratio to LHCb

 $\eta(H_b)$ 