

7000 GeV pp

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

- LHCb
- ▲ Pythia 8.212 default
- ▲ Pythia 8.212 default-noFsr
- ▲ Pythia 8.212 default-noRap

 $d\sigma(pp \rightarrow H_b X) / d\eta [\mu\text{b}]$ 70  
60  
50  
40  
30  
20  
10  
0

LHCb\_2010\_I867355

Rivet 3.1.10,  $\geq 200\text{k events}$   
mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCb

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

2 3 4 5 6

