

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 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.209 default

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

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