

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 8.209 default
- ◆ Sherpa 2.2.9 default

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

mcplots.cern.ch [arXiv:1306.3436]

LHCb\_2010\_I867355

Ratio to LHCb

2

1

0.5

 $\eta(H_b)$ 

2

3

4

5

6