

7000 GeV pp

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

- LHCb
- ▲ Pythia 8.308 default
- ◆ Sherpa 1.4.2 default

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

10

1

Ratio to LHCb

1

0.5

Rivet 3.1.10, $\geq 300\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

LHCb_2010_I867355

2

1

0.5

 $\eta(H_b)$ 