

7000 GeV pp

 $b\bar{b}$ $\eta(\text{b-jet})$ (with LEP fragmentation fractions) $d\sigma(\text{pp} \rightarrow H_b X) / d\eta [\mu\text{b}]$

- LHCb
- - □ - - Pythia 6.428 391
- - + - - Pythia 6.428 393
- - ● - - Pythia 6.428 394
- - ▼ - - Pythia 6.428 395

LHCb_2010_I867355

Rivet 3.1.10, $\geq 2.6\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCb

0.5

1

2

0.5

1

2

2

3

4

5

6

 $\eta(H_b)$ 