

7000 GeV pp

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

- LHCb
- △ Pythia 6.428 370
- -□ Pythia 6.428 391
- · - ·■ Pythia 6.428 default
- ▲ Pythia 8.186 default

 $d\sigma(\text{pp} \rightarrow H_b X) / d\eta [\mu\text{b}]$ Rivet 3.1.10, $\geq 400\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

LHCb_2010_I867355

Ratio to LHCb

