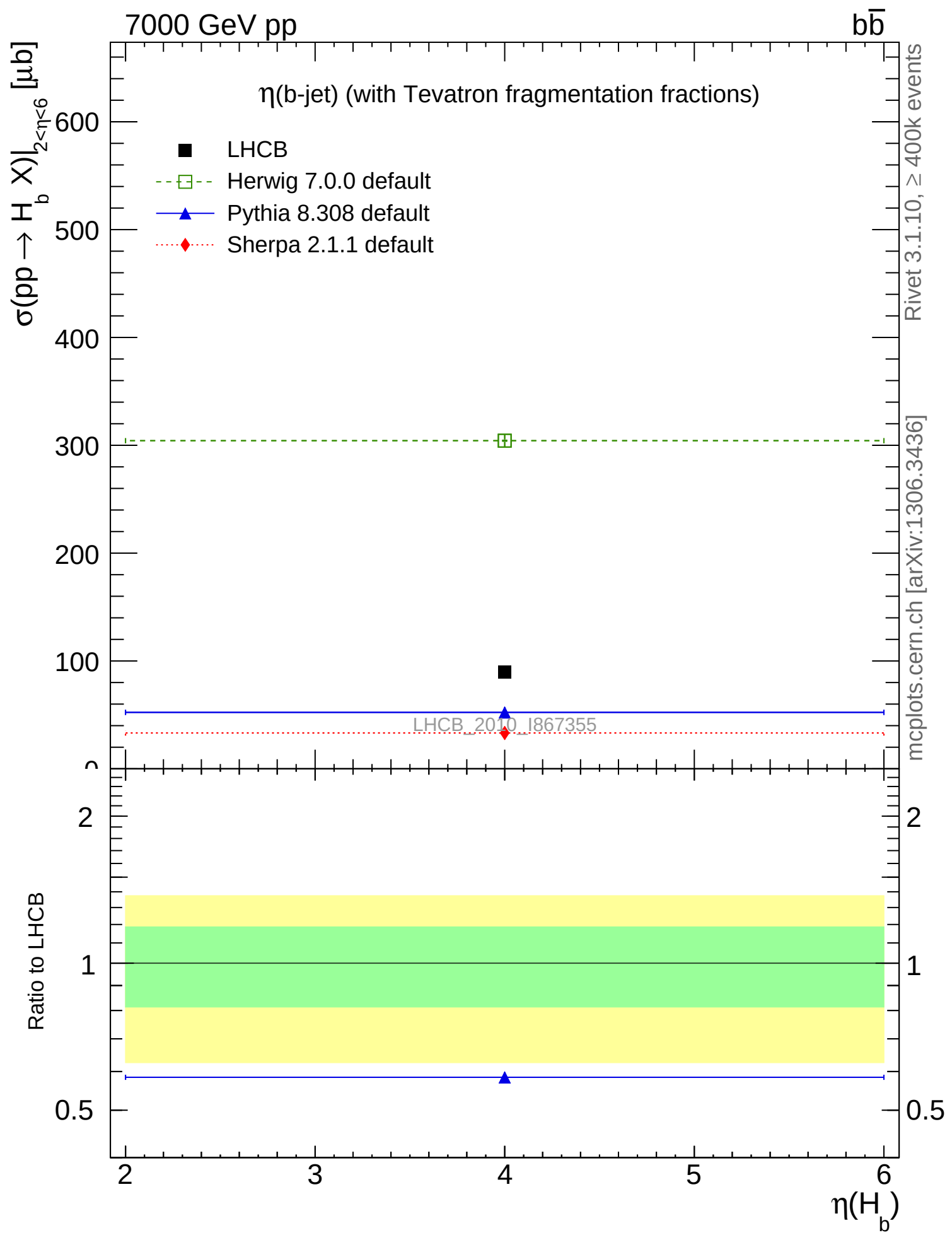
7000 GeV pp
$b\bar{b}$
η(b-jet) (with Tevatron fragmentation fractions)
LHCB
Herwig 7.0.0 default
Pythia 8.308 default
Sherpa 2.1.1 default
$\sigma(pp \to H_b X)|_{2<\eta<6}$ [μb]
600
500
400
300
200
100
0
LHCB_2010_I867355
Rivet 3.1.10, ≥ 400k events
mcplots.cern.ch [arXiv:1306.3436]
Ratio to LHCB
2
1
0.5
2
3
4
5
6
$\eta(H_b)$