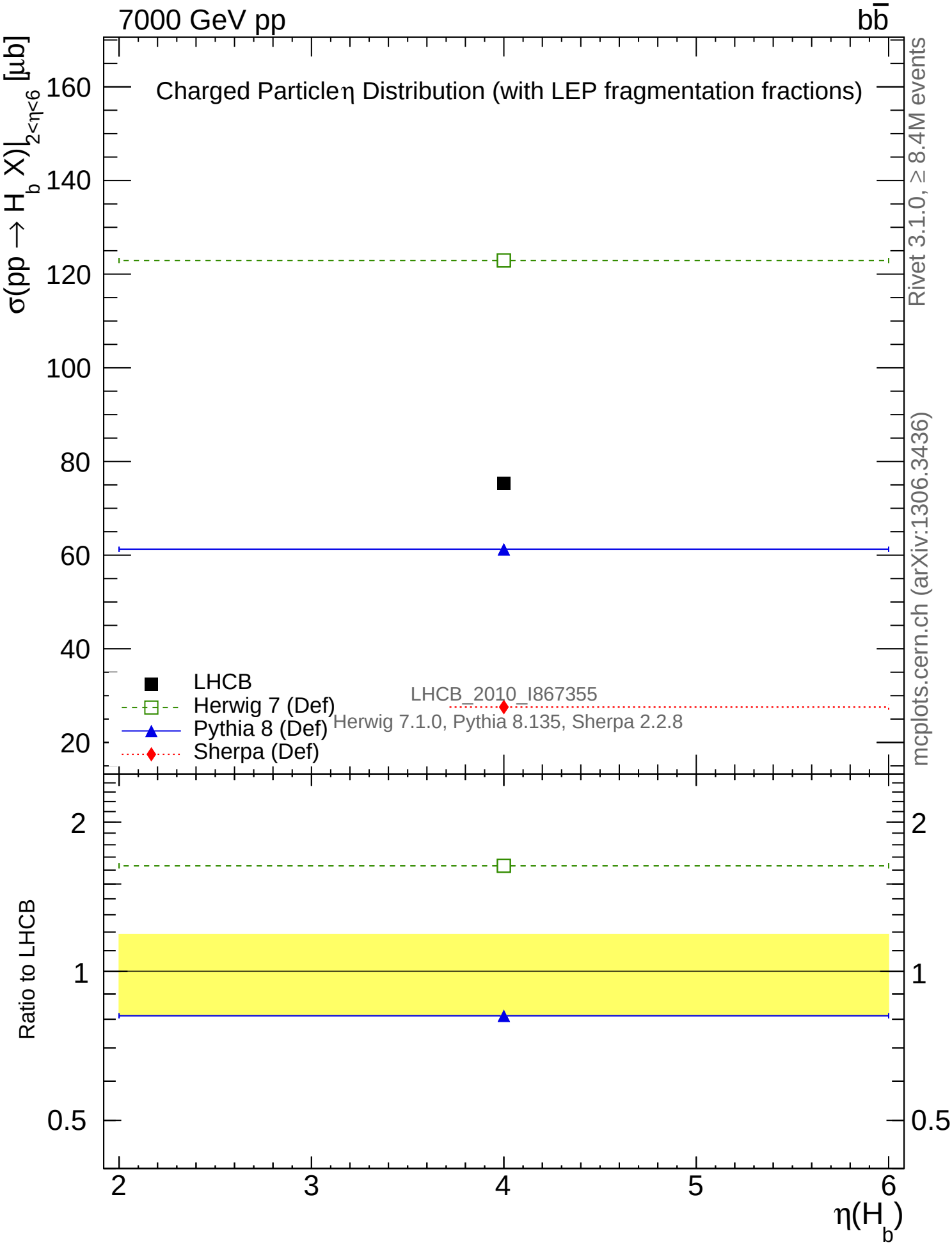
7000 GeV pp
$b\bar{b}$
Charged Particleη Distribution (with LEP fragmentation fractions)
$\sigma(pp \to H_b X)|_{2<\eta<6}$ [μb]
160
140
120
100
80
60
40
20
LHCB
Herwig 7 (Def)
Pythia 8 (Def)
Sherpa (Def)
LHCB_2010_I867355
Herwig 7.1.0, Pythia 8.135, Sherpa 2.2.8
Rivet 3.1.0, ≥ 8.4M events
mcplots.cern.ch (arXiv:1306.3436)
Ratio to LHCB
2
1
0.5
2
3
4
5
6
$\eta(H_b)$