

# Introduction



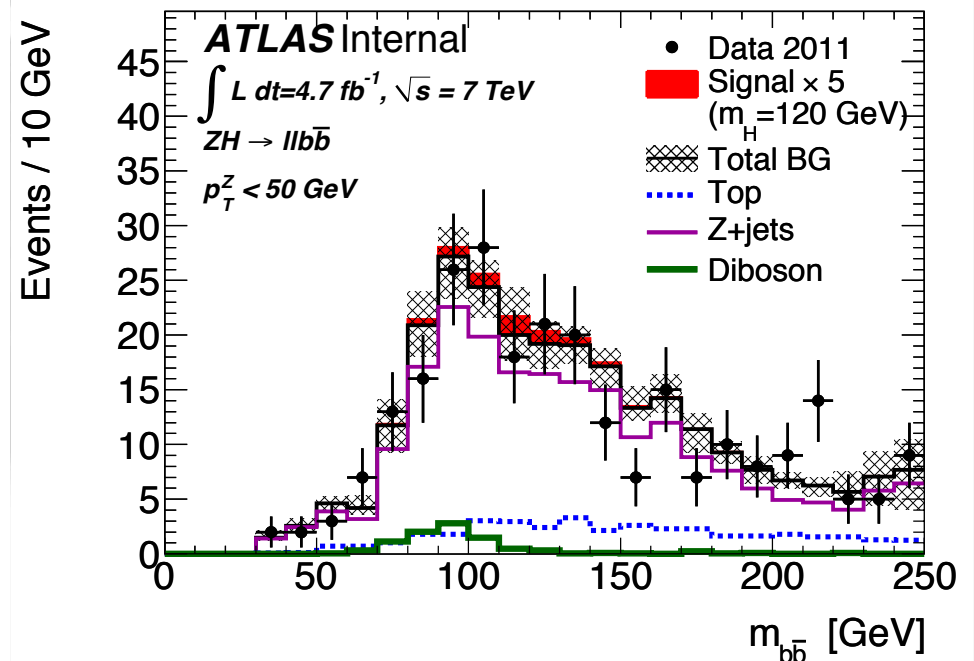
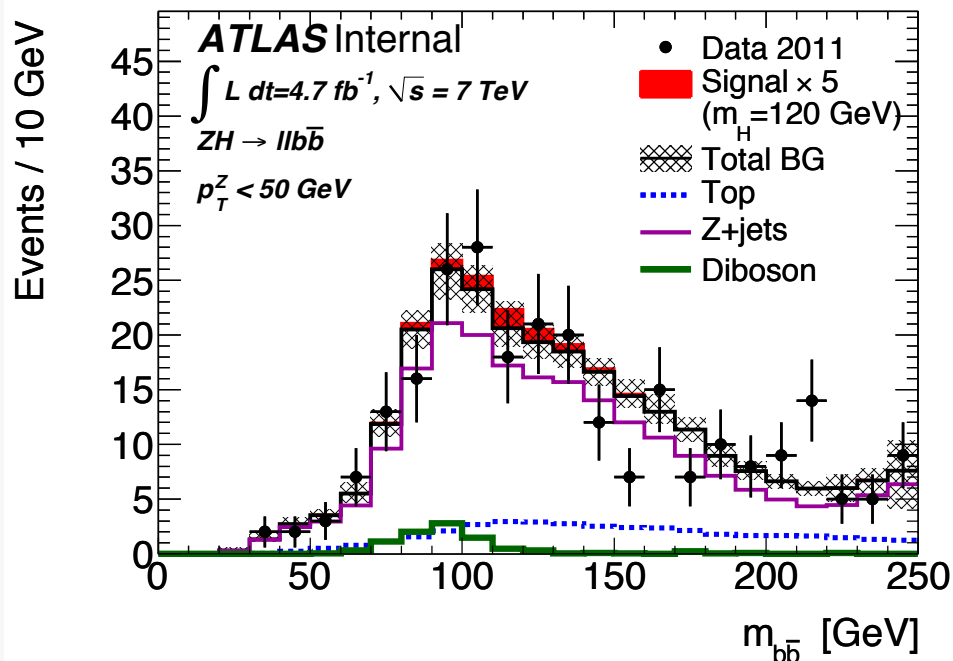
Ricardo Gonalo (RHUL)  
Higgs Weekly Meeting – 5 April 2012

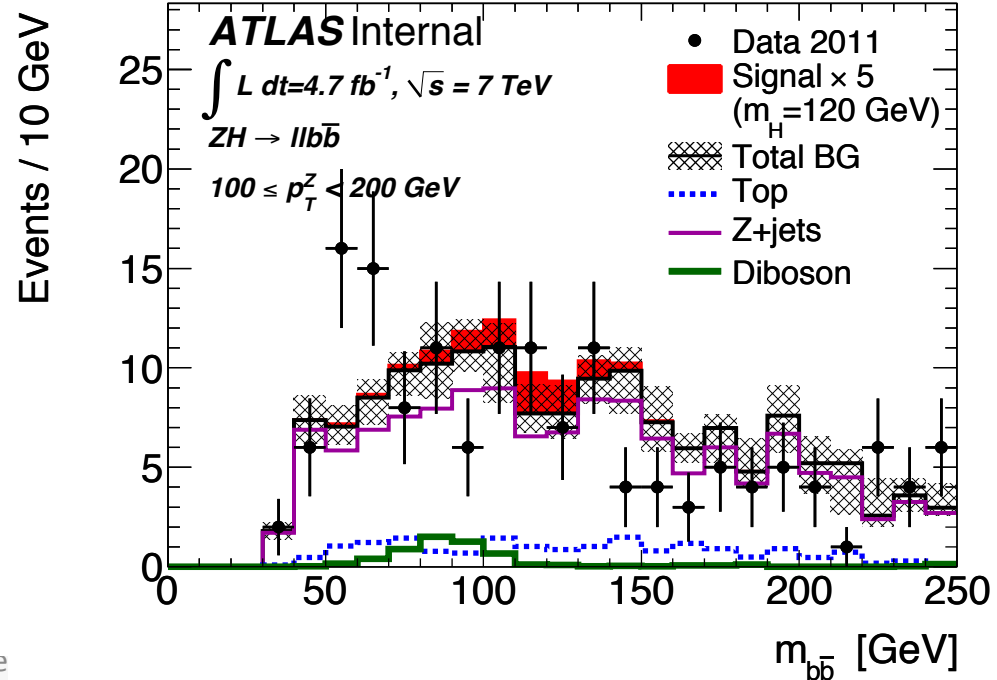
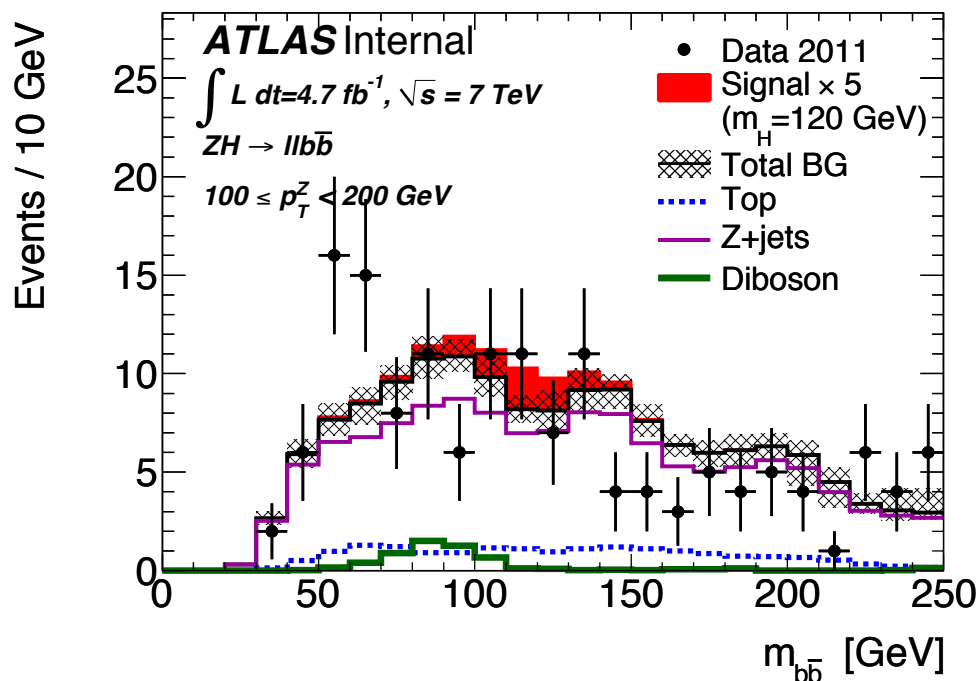
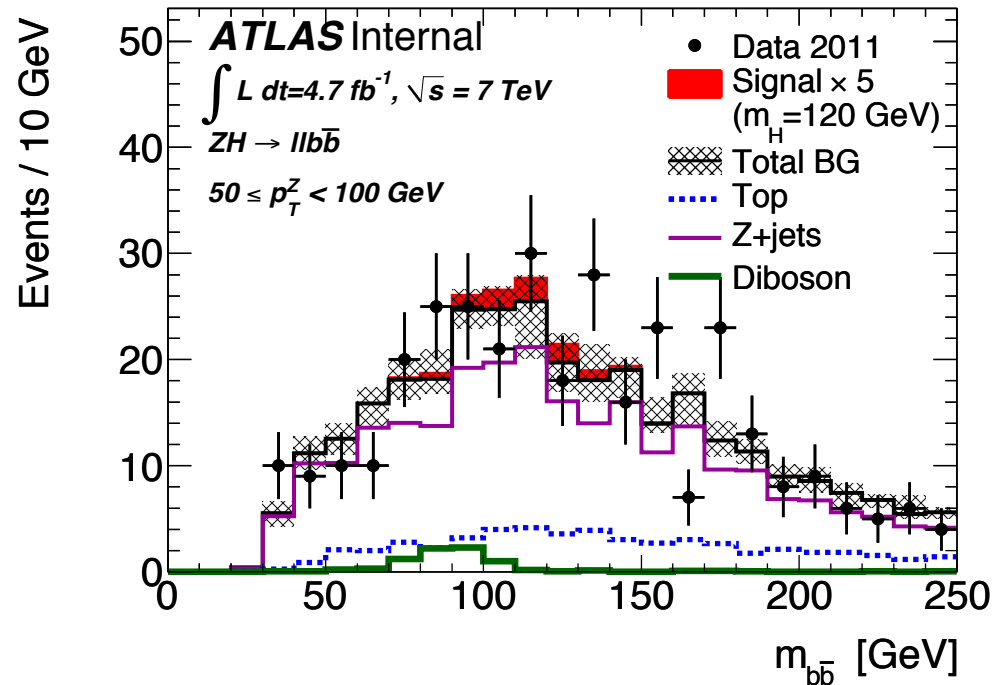
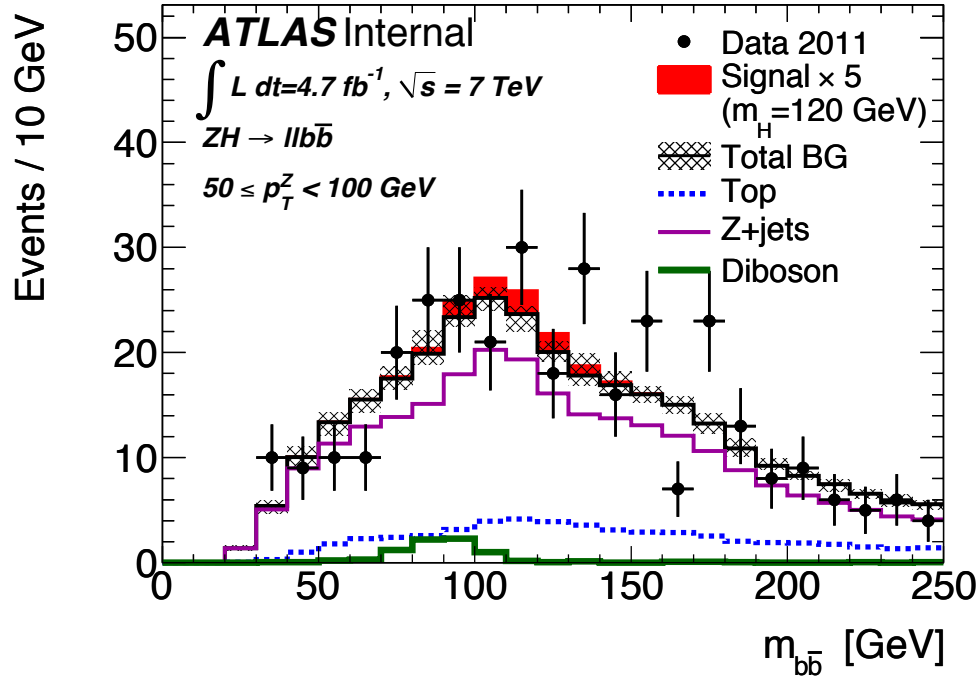
# H->bb paper

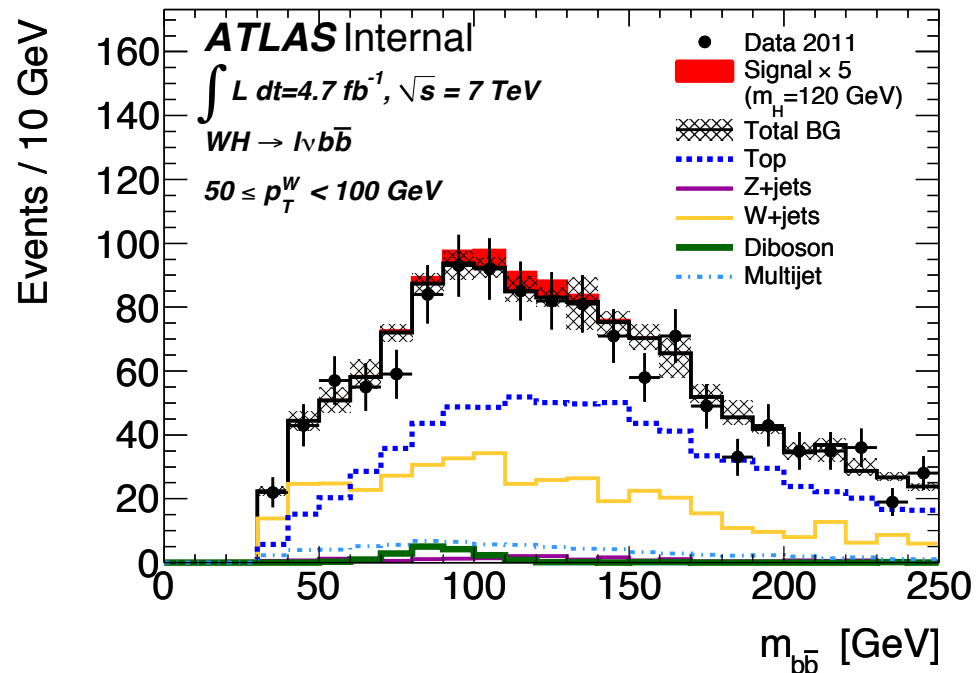
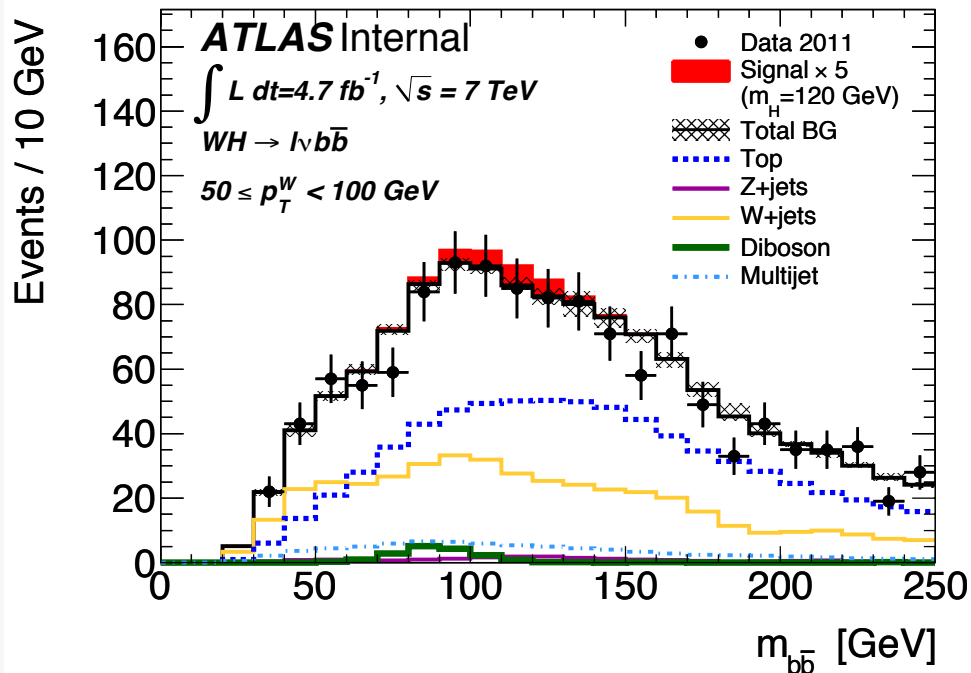
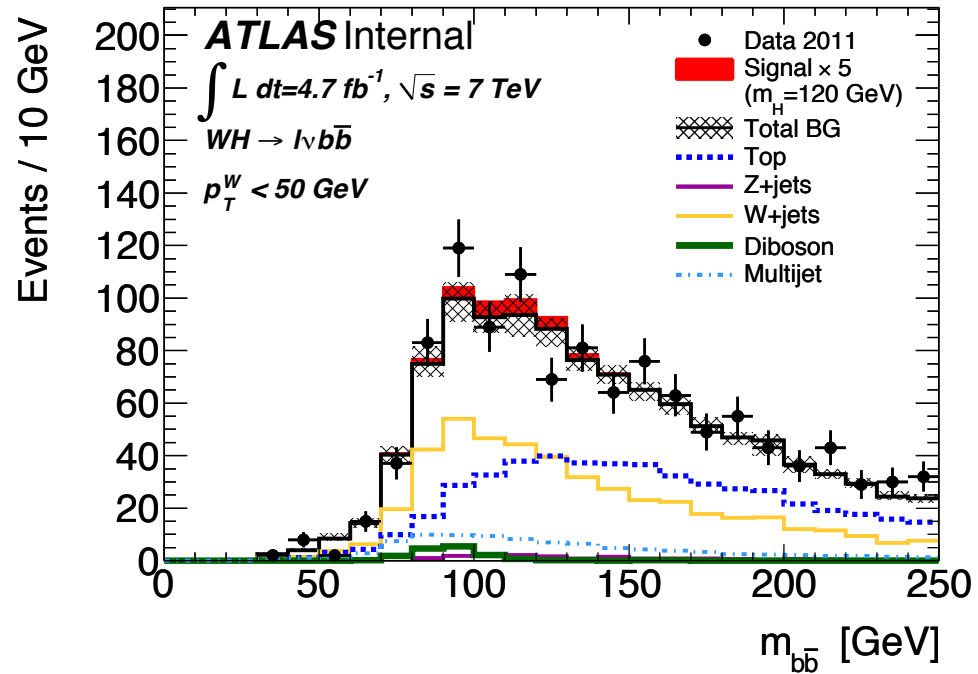
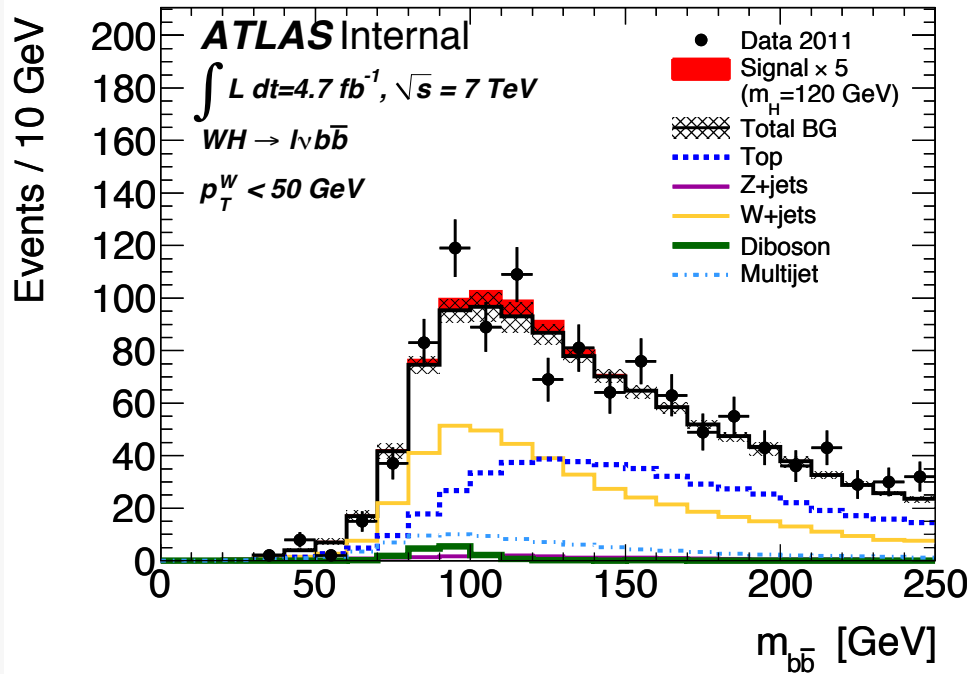
- Very nice talk by Jike at approval meeting (thanks!):
- <https://indico.cern.ch/conferenceDisplay.py?confId=184199>
- A few issues left to tackle:
- Smoothing vs non
- Some nuisance parameters overconstrained:
  - Soft jet MET
  - $W_{bbPtW}/Z_{bbPtZ}$
- Big differences between smoothed and unsmoothed limits
- $\Delta R > 0.7$  cut checks of systematics coverage

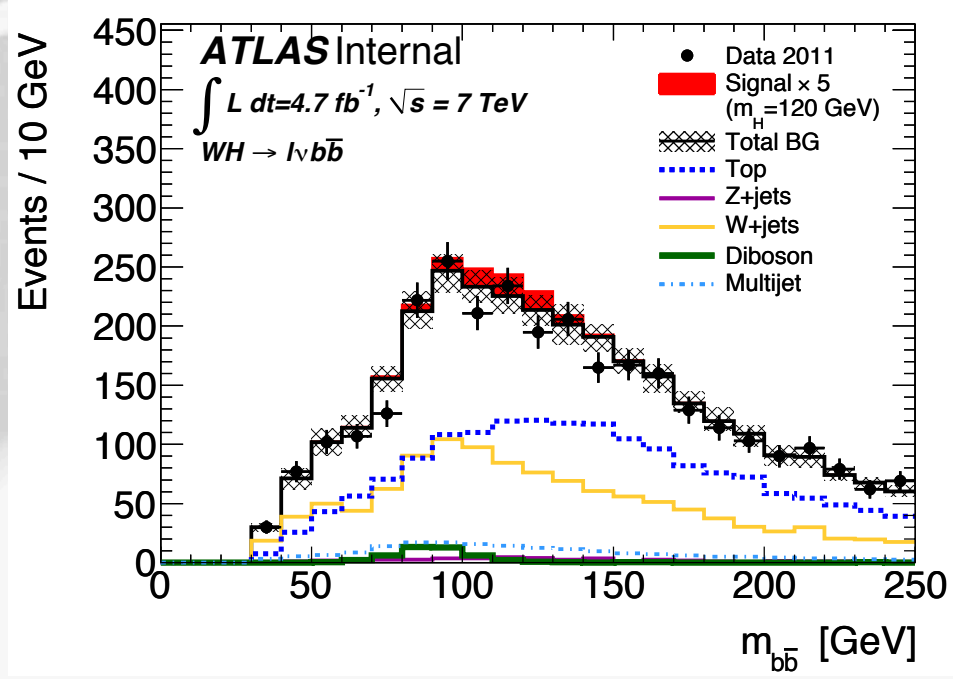
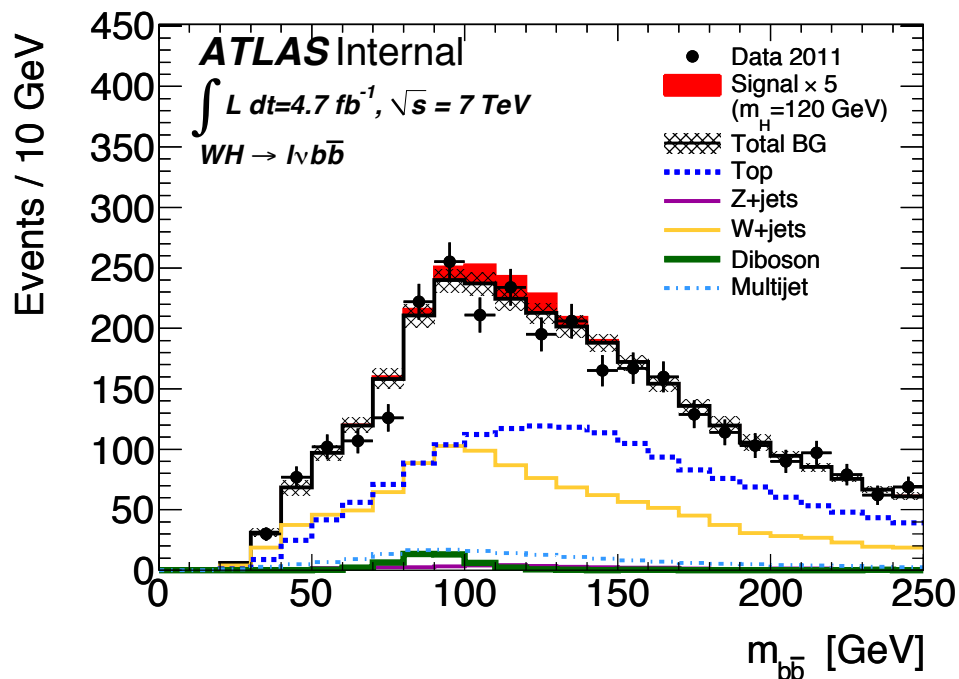
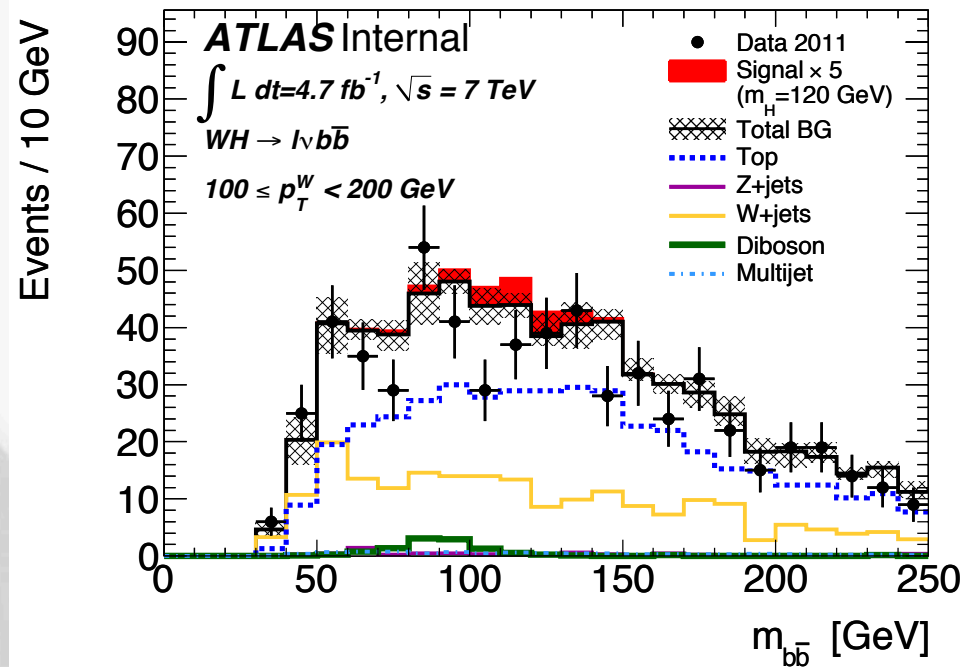
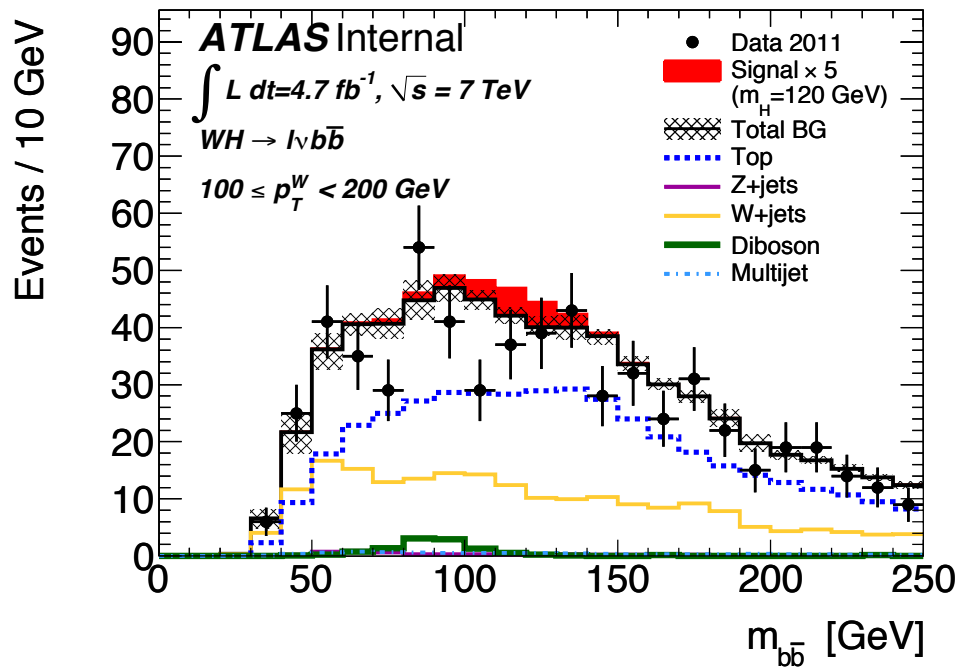
# Smoothing

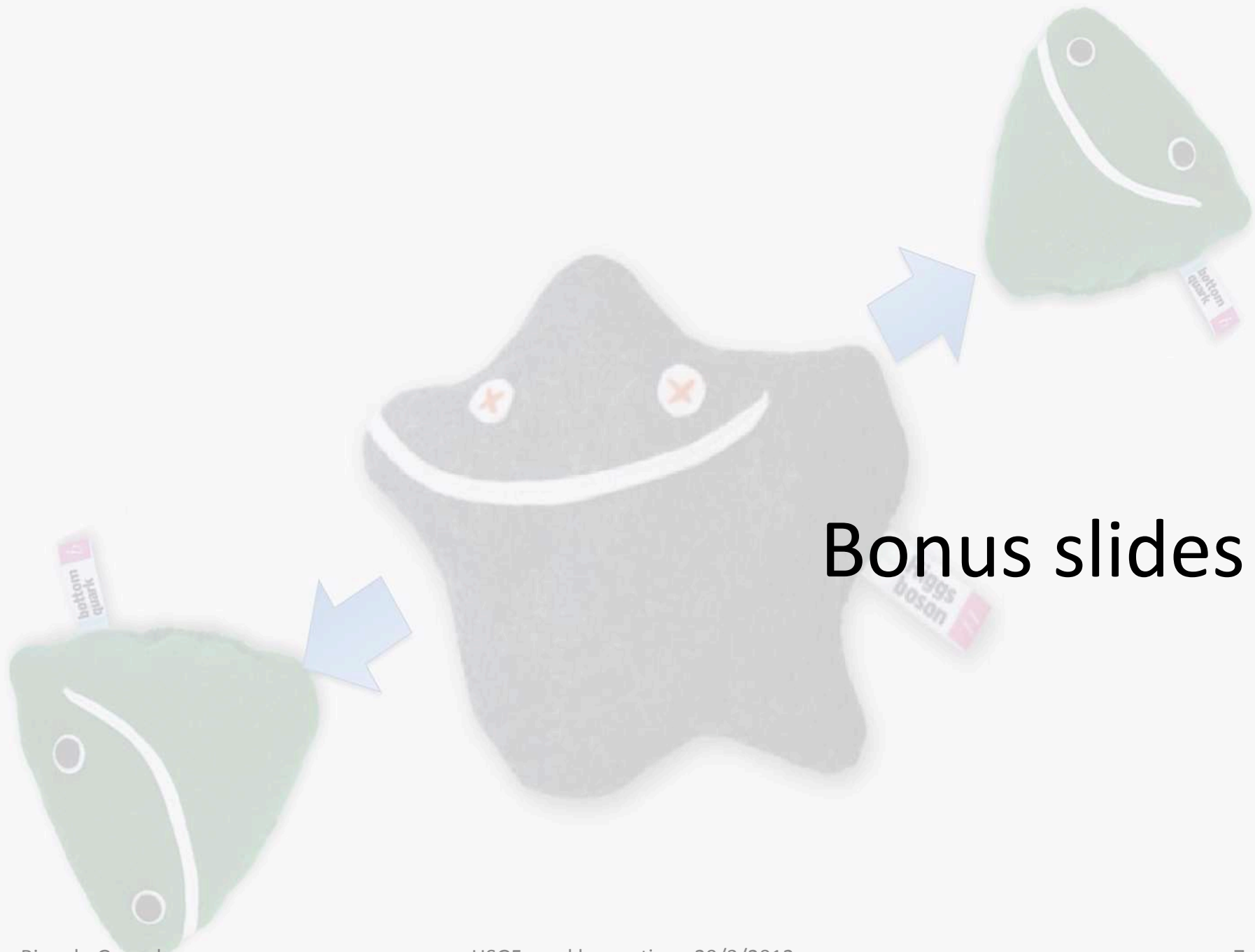
Smoothed / non-smoothed











# Bonus slides