

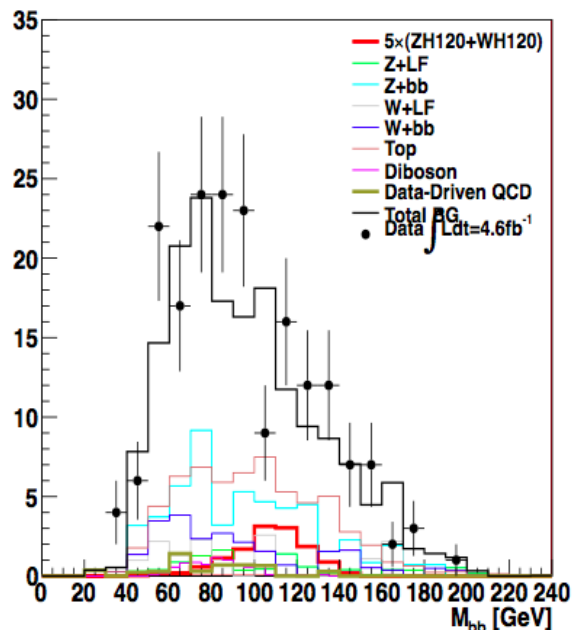
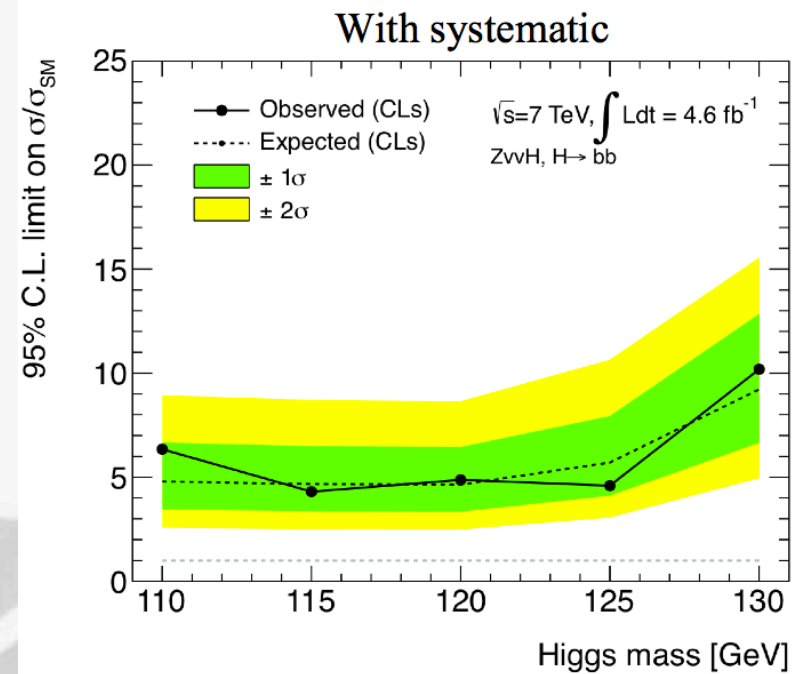
# Introduction



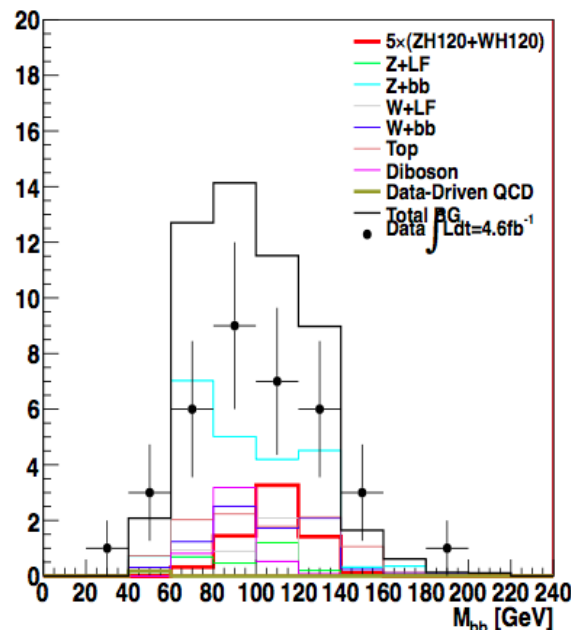
Ricardo Gonalo  
HSG5 weekly meeting – 9 February 2012

# News! News! News!

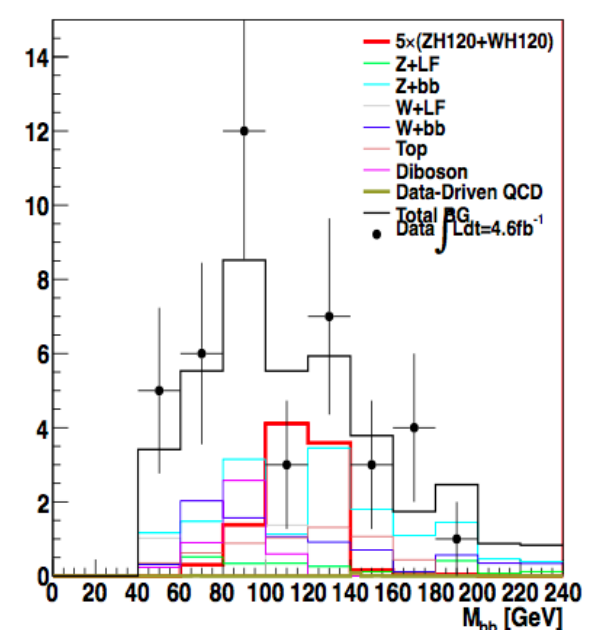
- Status report on  $H \rightarrow \nu\nu b\bar{b}$  yesterday  
<https://indico.cern.ch/conferenceDisplay.py?confId=176385>
- Analysis well received
- List of things to do but no show stoppers
- Important dependence on  $l\bar{b}b/l\nu b\bar{b}$  for scale factors etc
- Slight worry about 2<sup>nd</sup> bin
- Looking good for adding to  $l\bar{b}b/l\nu b\bar{b}$



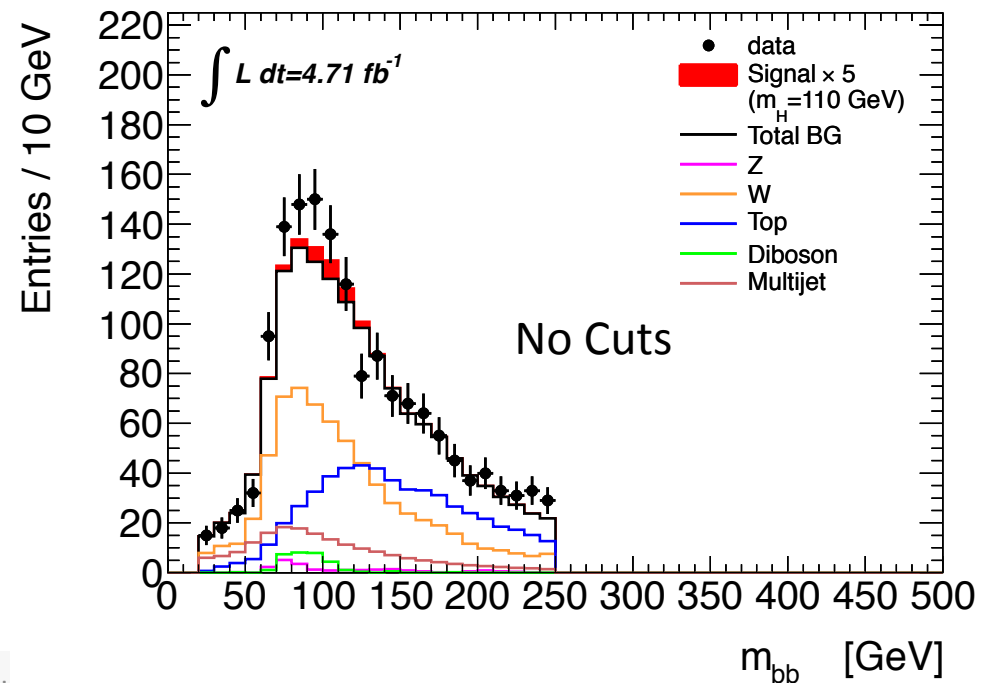
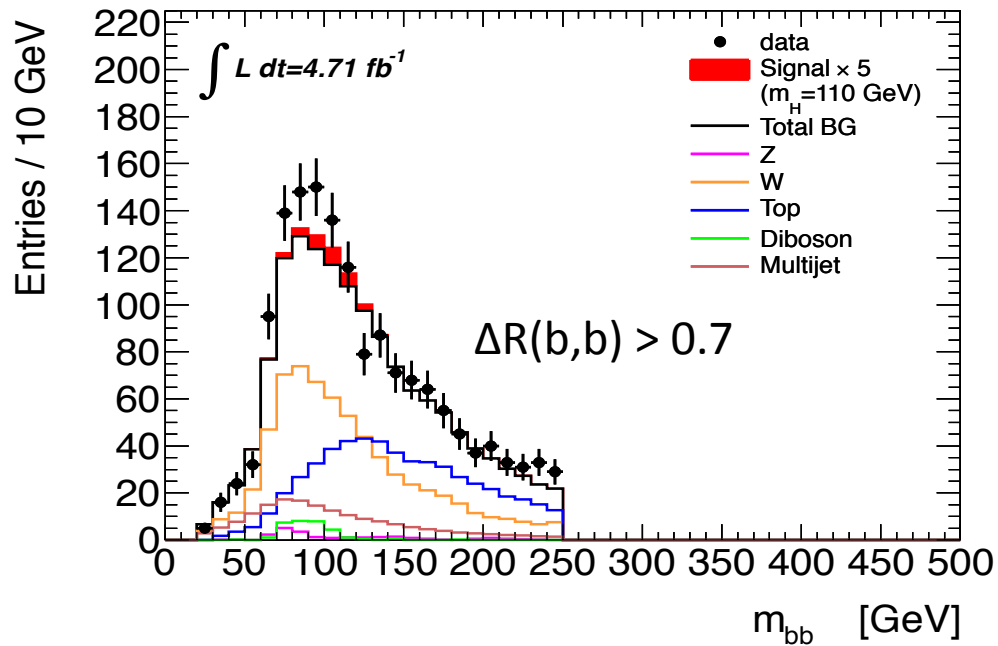
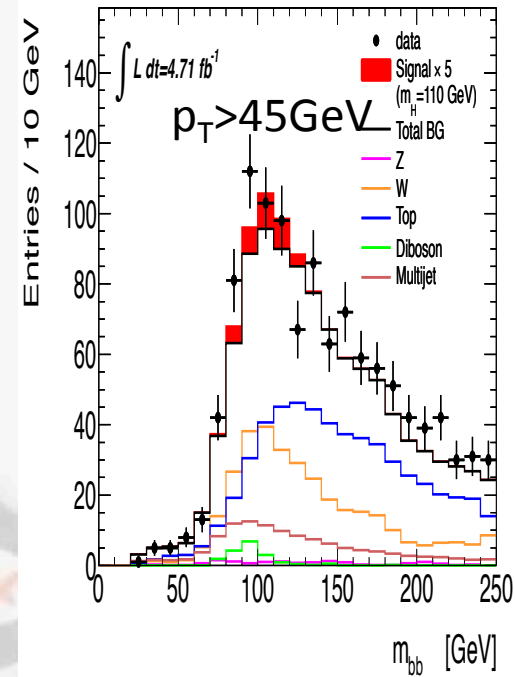
Ricardo Goncalo



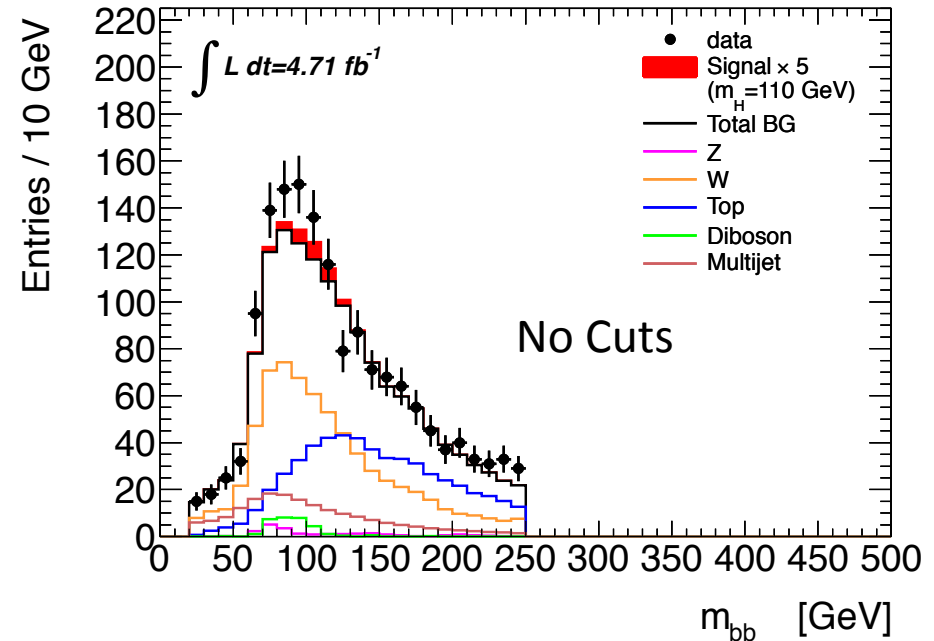
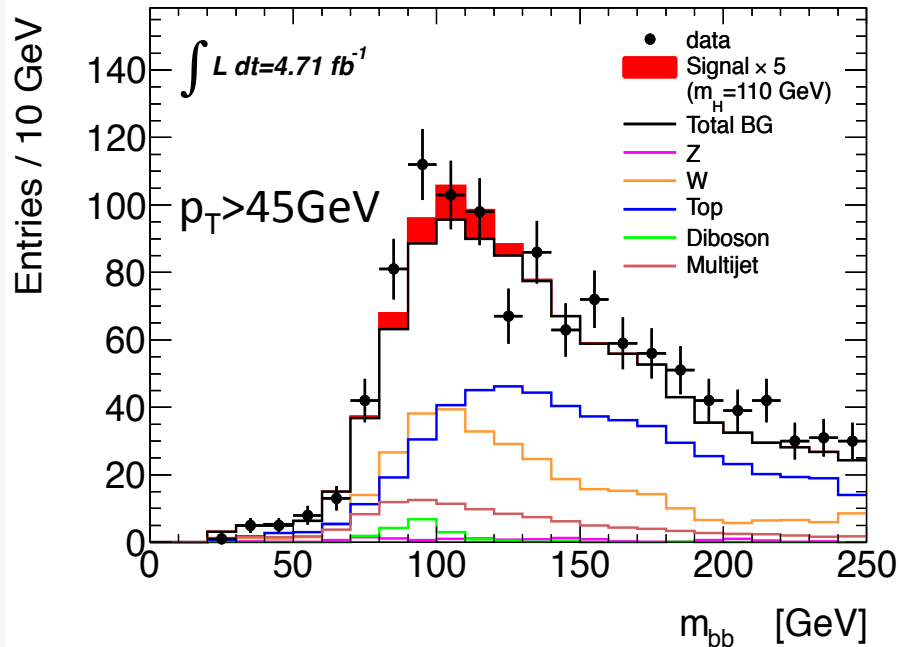
HSG5 weekly meeting - 9/2/2012



# WH->lvbb



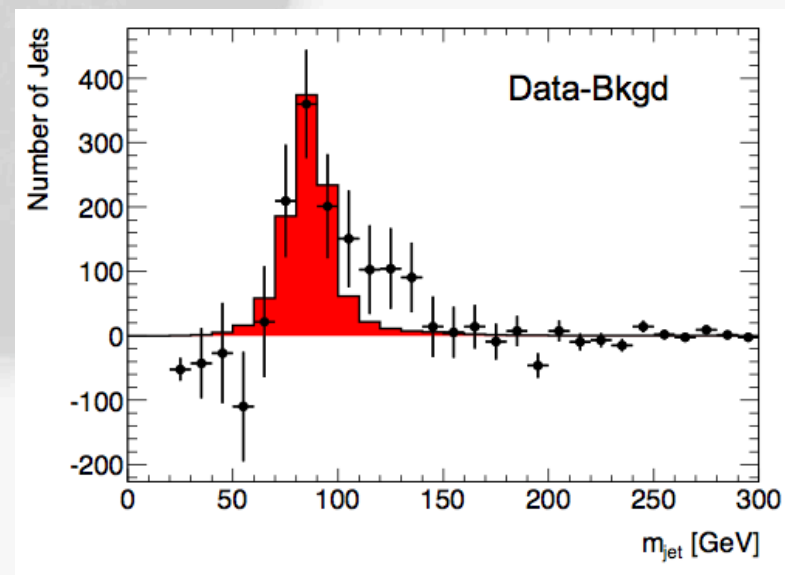
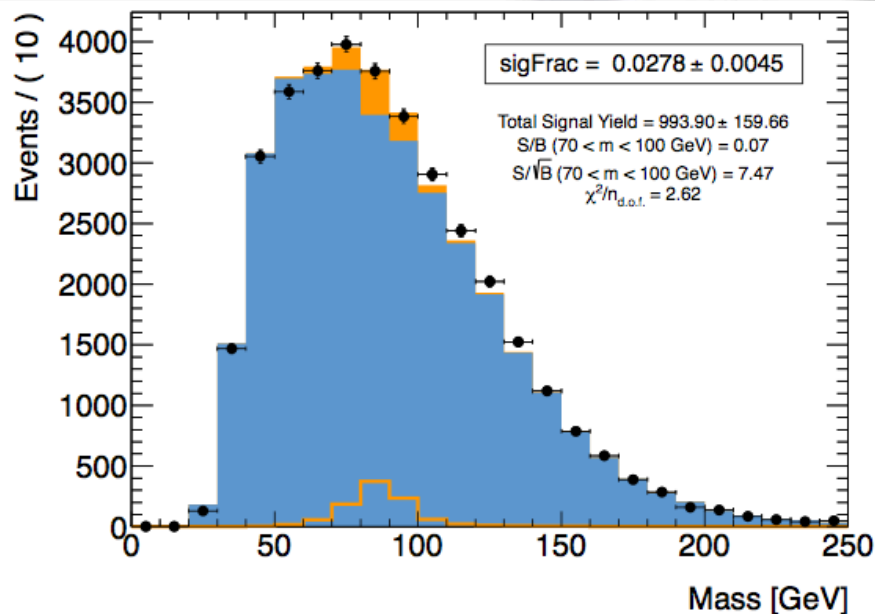
# The $p_T > 45\text{GeV}$ affair...



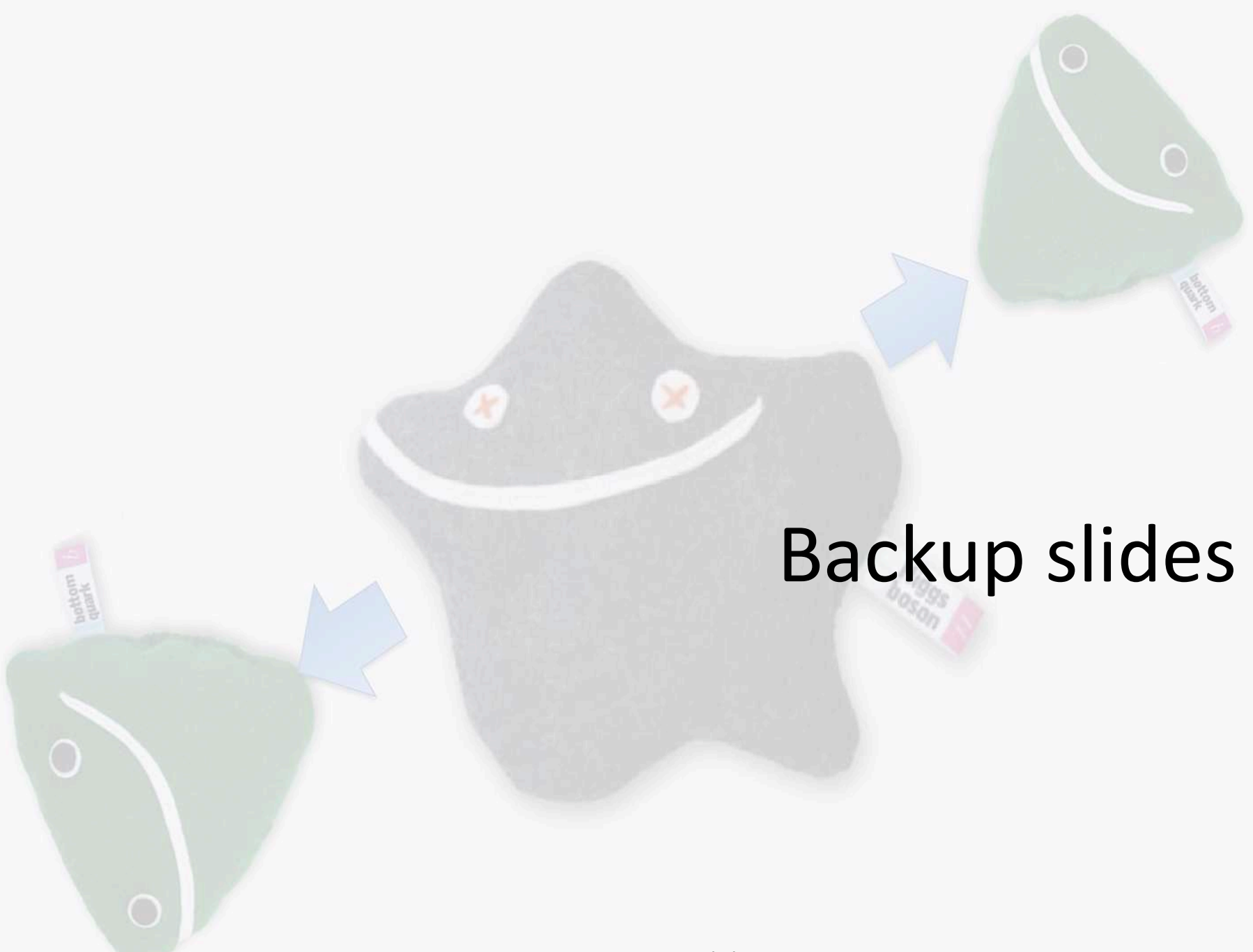
- Questions about the  $p_T(\text{lead jet}) > 45\text{GeV}$  cut in the WH analysis
  - Meeting with editorial board today to discuss this
- Note drafts in CDS and being updated:
  - WH- $\rightarrow$ vlbb and ZH- $\rightarrow$ llbb: <https://cdsweb.cern.ch/record/1404176/>
  - ZH- $\rightarrow$ vvbb: <https://cdsweb.cern.ch/record/1418230?ln=en>

# Today...

- D3PD news
- Latest news on Z peak (and shoulder...)



# Backup slides



# Publication Plans

- From PC/subconveners meeting:
  - Latest circulation date to ATLAS is 17<sup>th</sup> February
  - Higgs approval to be arranged with Ed.Board
- In practice:
  - This means 2<sup>nd</sup> February Higgs approval for paper – very little margin
  - Plan is more clear for WH and ZH- $\rightarrow$ llbb: need good 1<sup>st</sup> paper draft
  - Status is not as good for vvbb yet: work towards including in paper
  - Boosted VH in a parallel path for now: considering a note for Moriond
- To gain a few days (if needed):
  - ZH- $\rightarrow$ vvbb will be submitted as support documentation to be included in paper
  - This means that we can turn it into CONF note if not in schedule for paper
  - Now thinking about editors for note
- Maybe wrong time to mention this but...
  - Looking into the future, aim to have combined WH analysis for ICHEP including boosted analysis
    - Or before... mention ICHEP to mean up to...
  - ttH can aim to have published results in same timescale