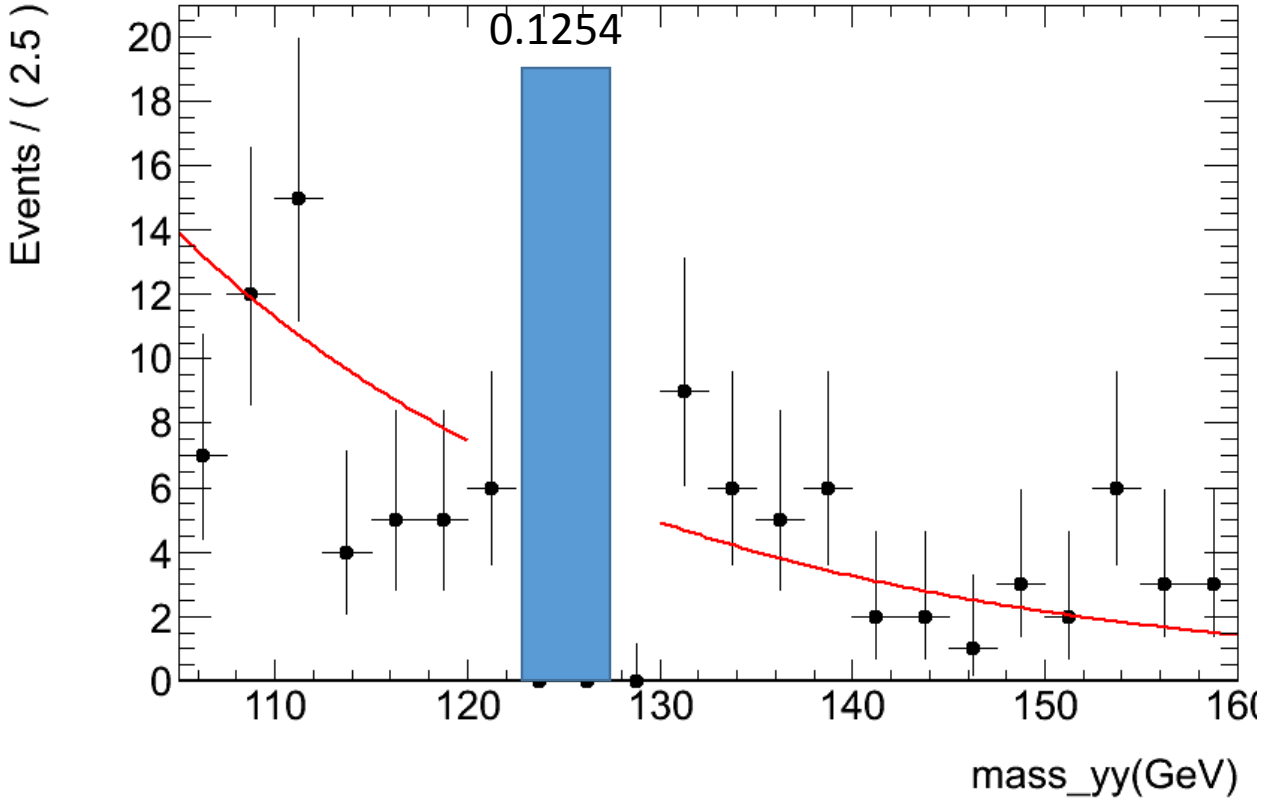
Weekly

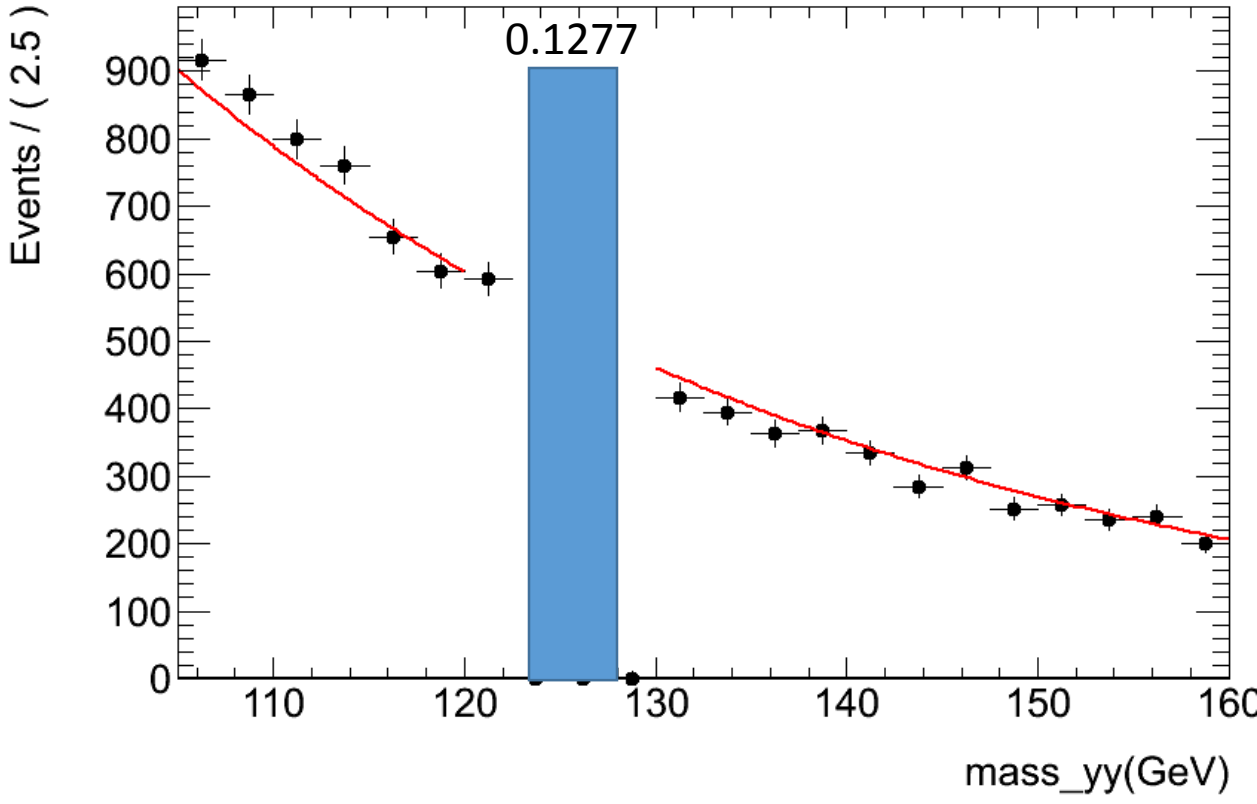
Huijun

20150202

Fit to the loose jet data sideband

- This ratio is 0.12541 compare to the result with no lepton 0.1277. Cnsidering the statistic, I think we can say they are consistent.





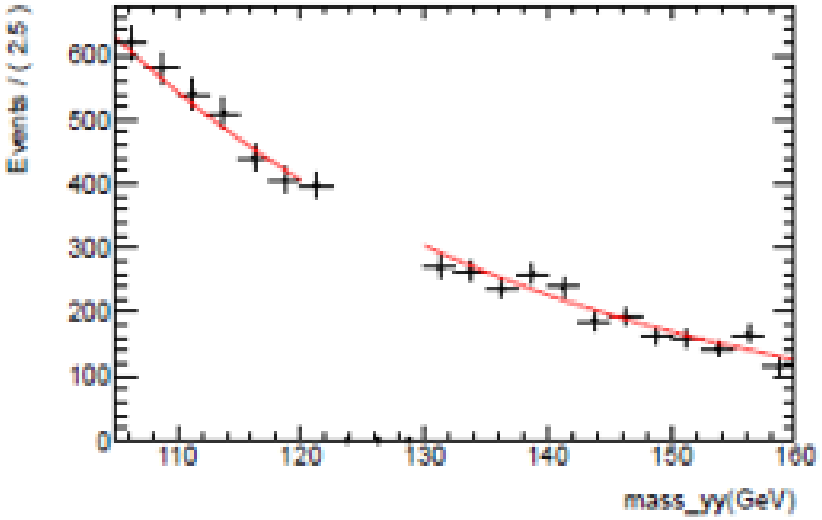
Systematics due to the shift of mass win

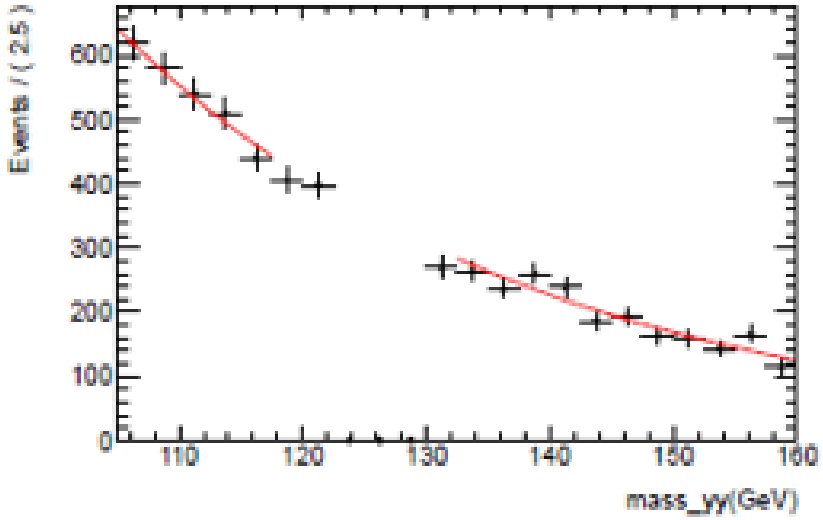
- mh260 minus: -0.00470145745181   Plus : 0.00564174894217
- mh300 minus: -0.00500770416025   Plus : 0.00520030816641
- mh400mh350 minus: -0.00562169312169   Plus : 0.00462962962963
- minus: -0.00493612078978   Plus : 0.00435540069686
- mh500 minus: -0.00350701402806   Plus : 0.00400801603206

According to

- http://journals.aps.org/prd/abstract/10.1103/PhysRevD.90.052004
- IV.F
- A systematic of 0.03% was applied on the signal peak posion.

- Big (117.5,132.5) below(105,122.5): 0.483409 above(128.5,160): 0.396256
- Small(120,130) below(105,122.5): 0.486855 above(128.5,160): 0.392772





Summery of current status

- All the questions on CDS are answered
- All the xml files are done for new signal
- Will fill the note with new numbers
- Meet some bug with parton shower with pytia