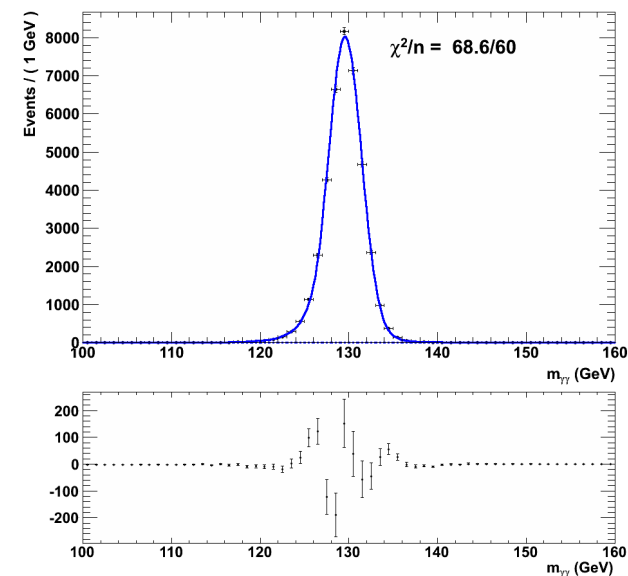
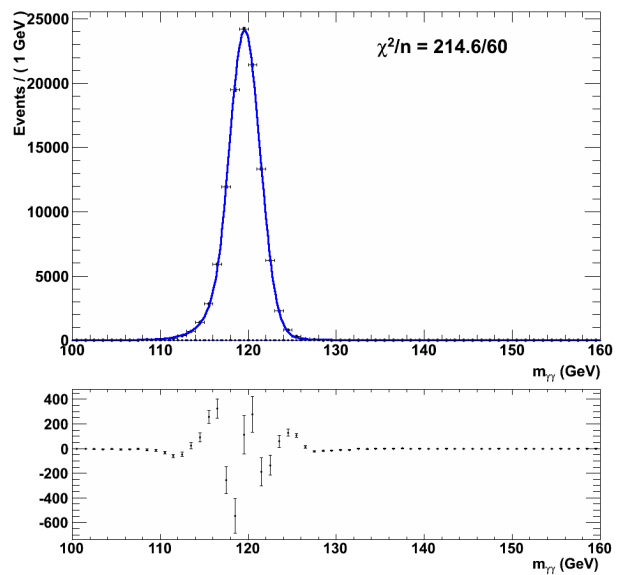
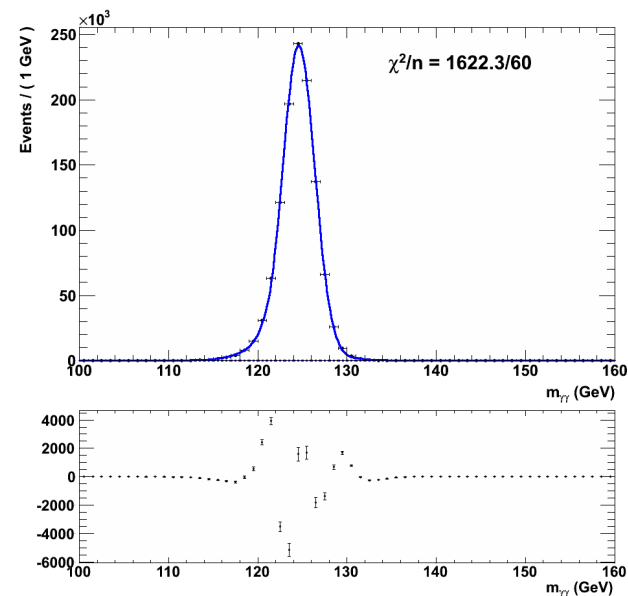
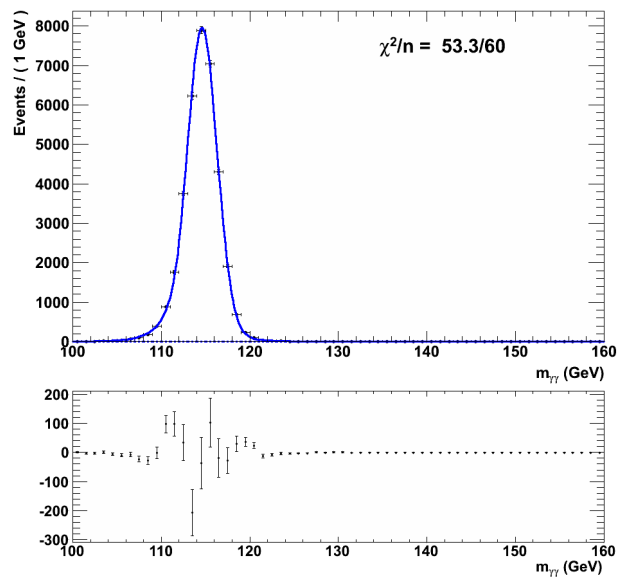


$H \rightarrow \gamma\gamma$ signal parametrization of MC samples (115-145 GeV)

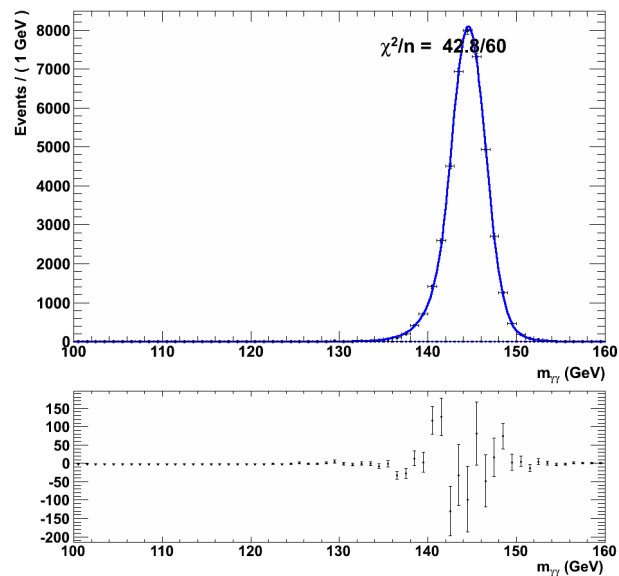
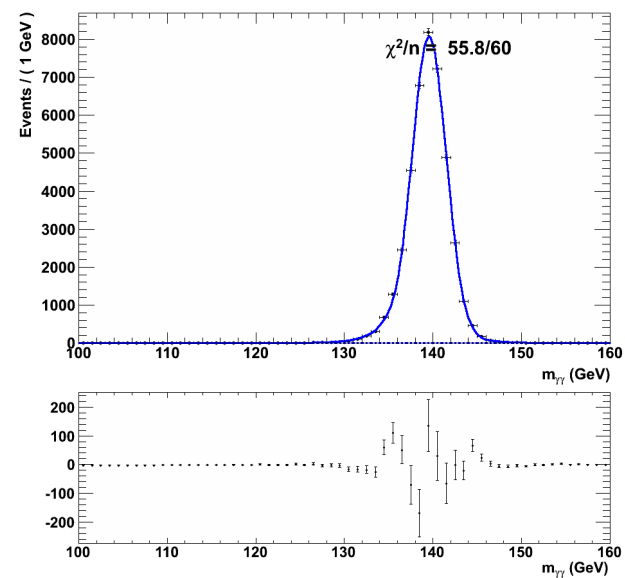
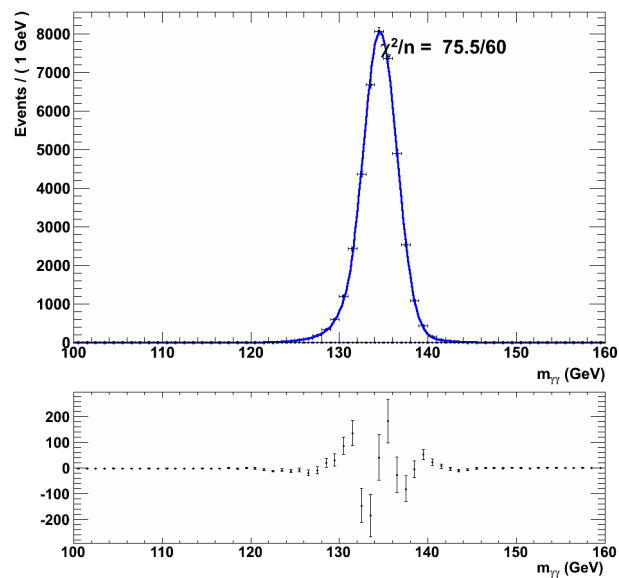
Zuzana Barnovska, LAPP, ATLAS

First the fits for each production mode

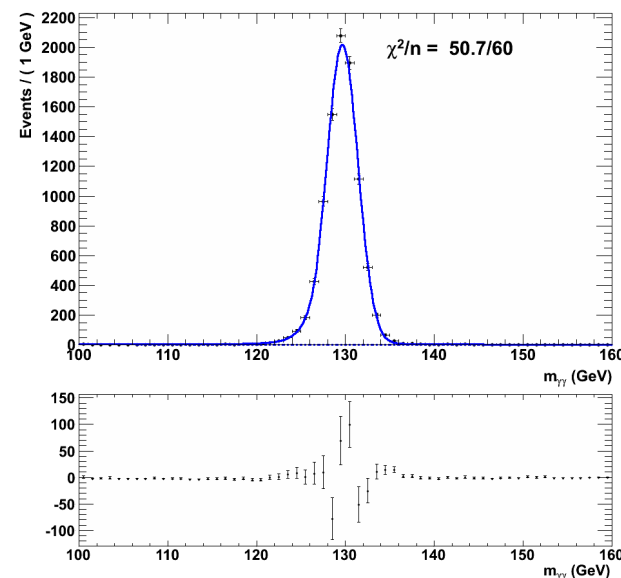
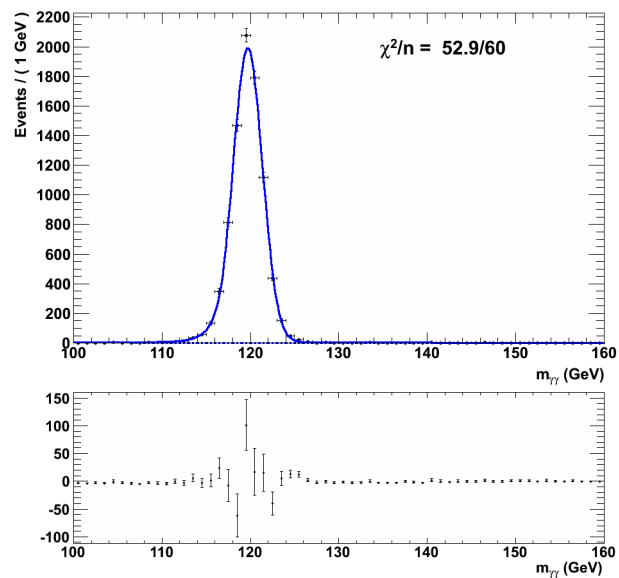
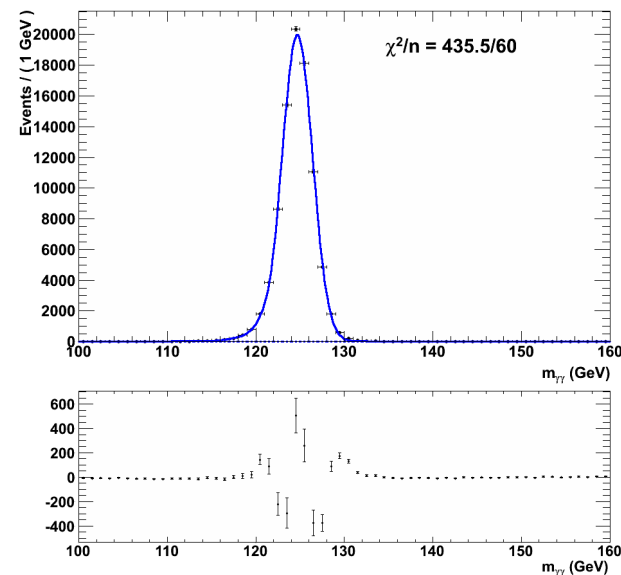
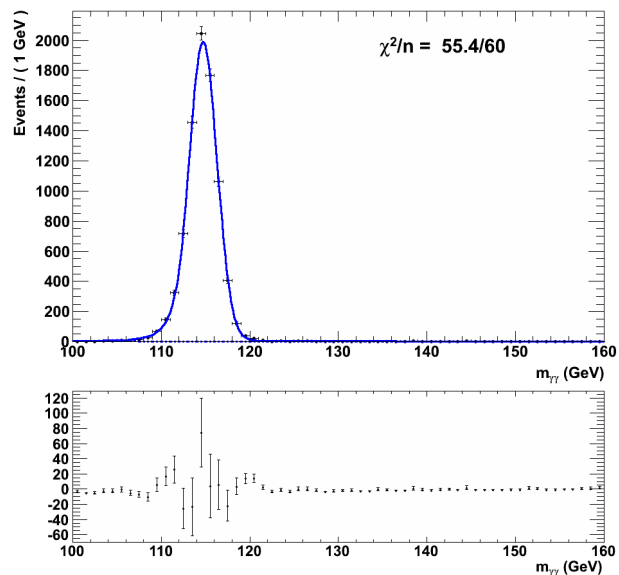
ggH(1)



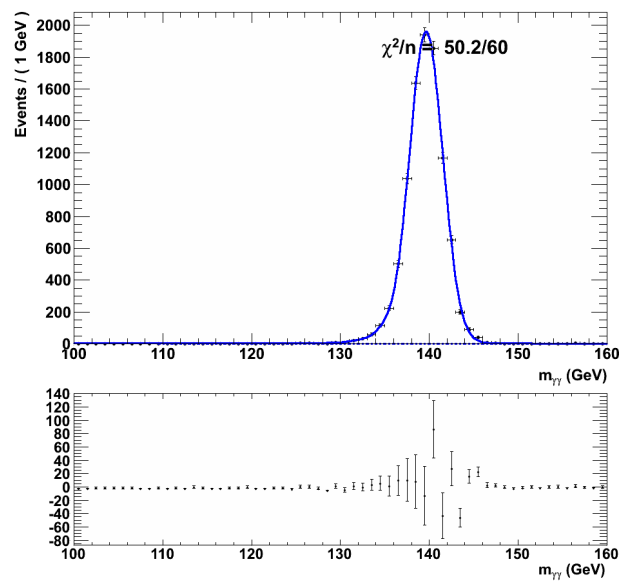
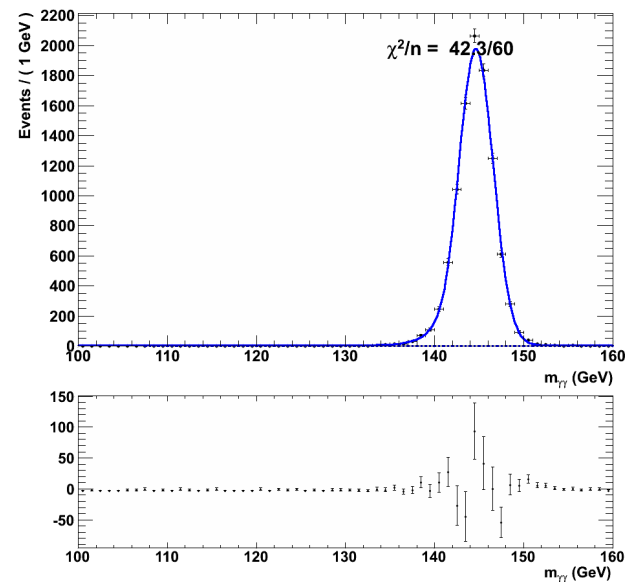
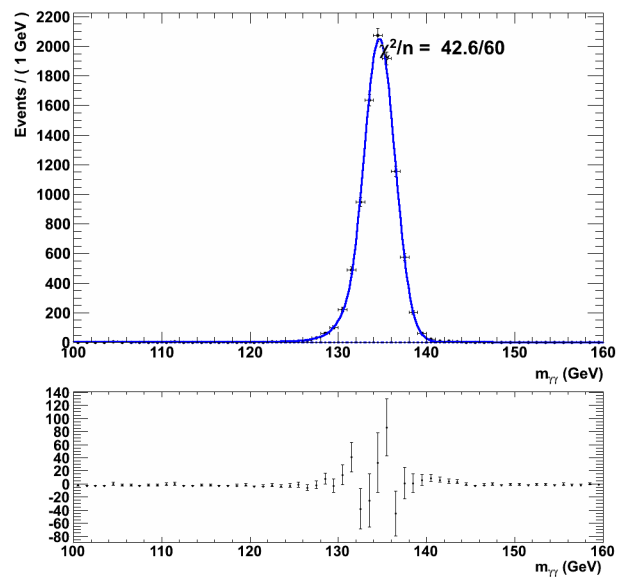
ggH(2)



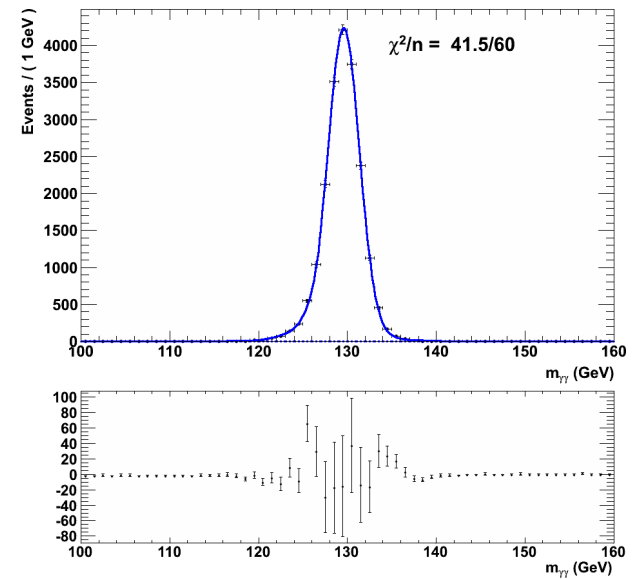
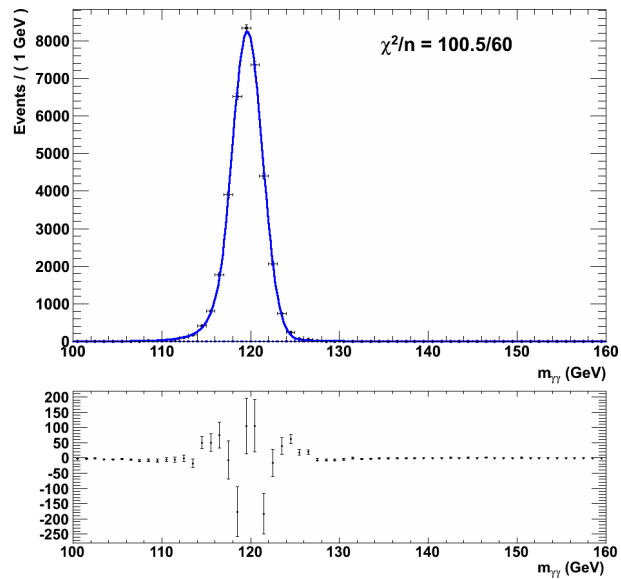
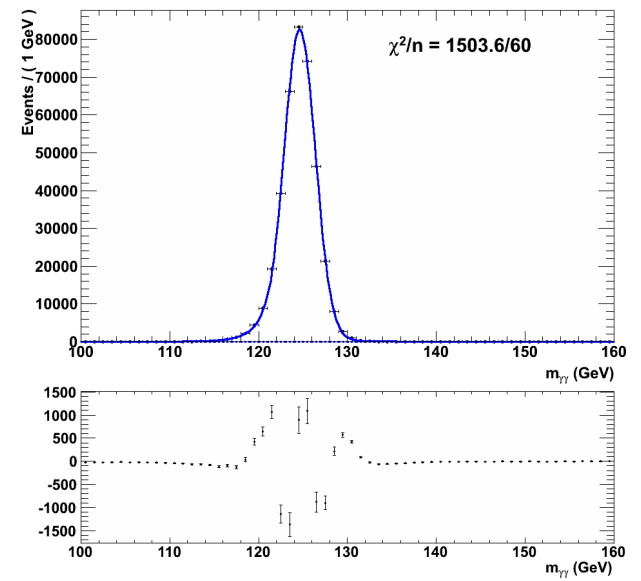
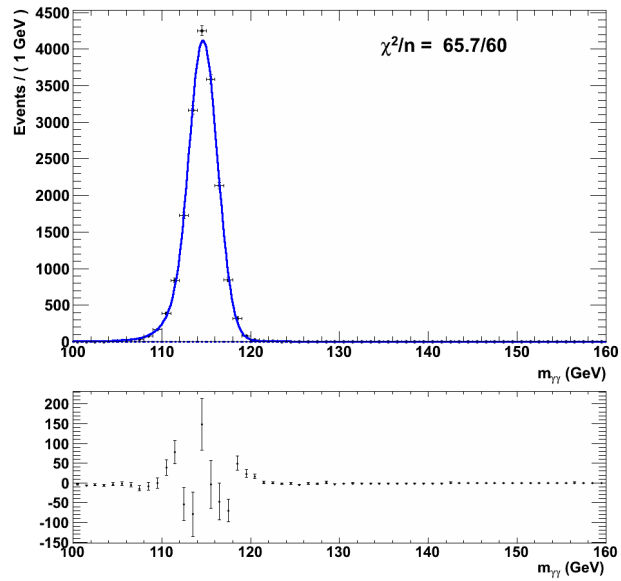
ttH(1)



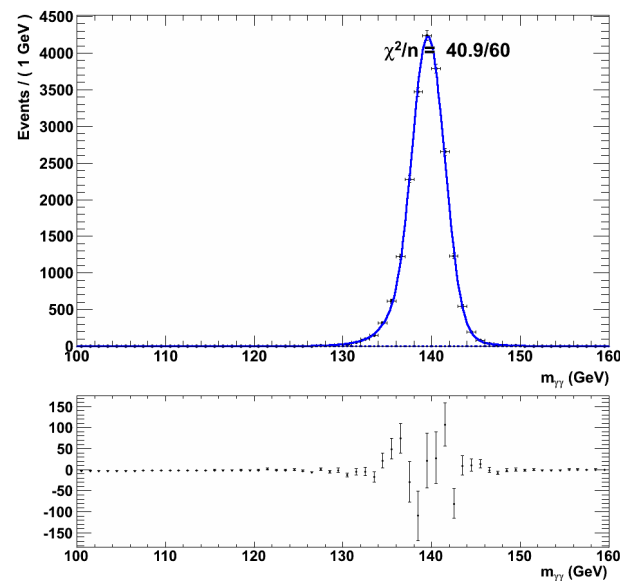
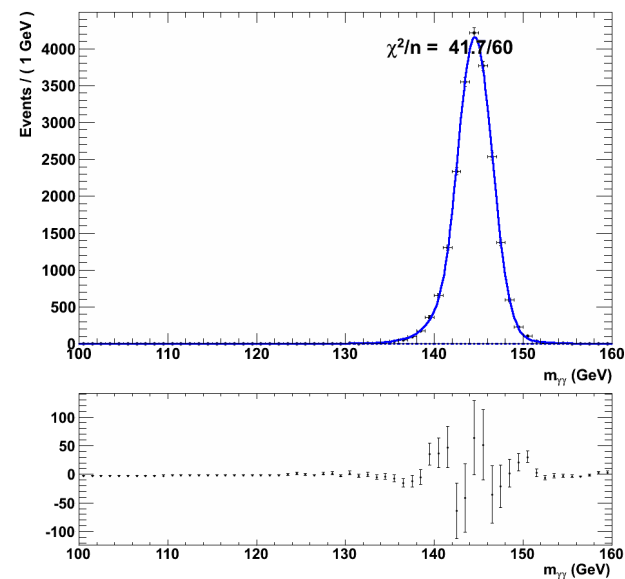
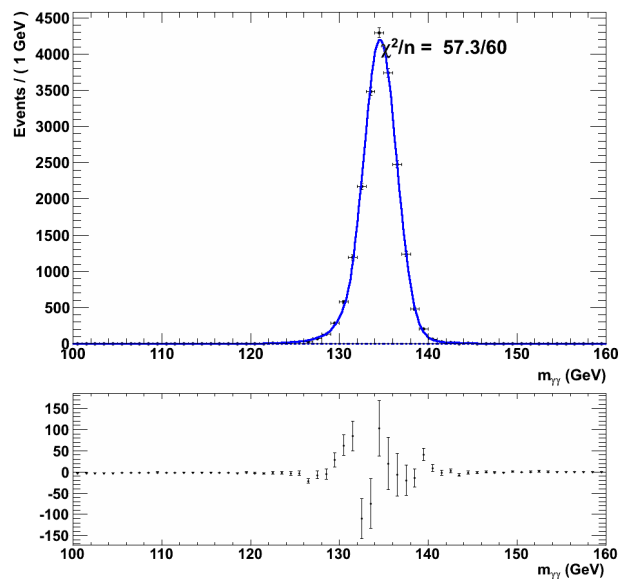
ttH(2)



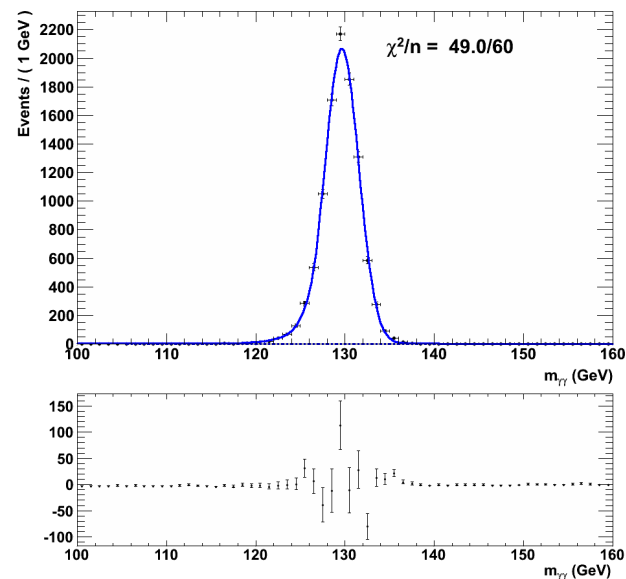
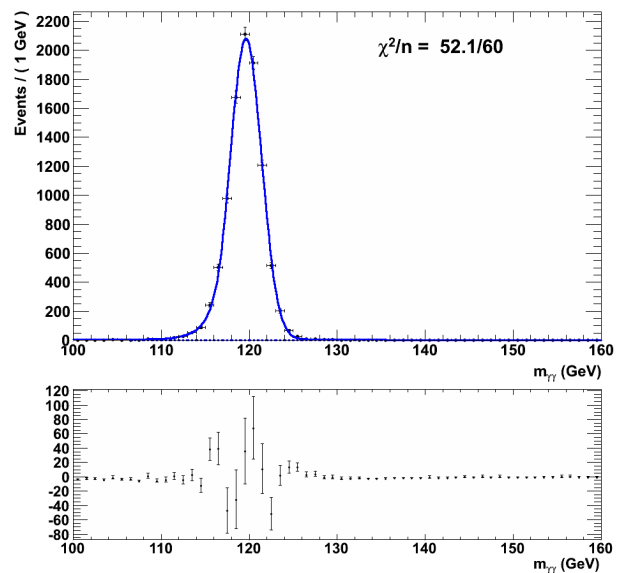
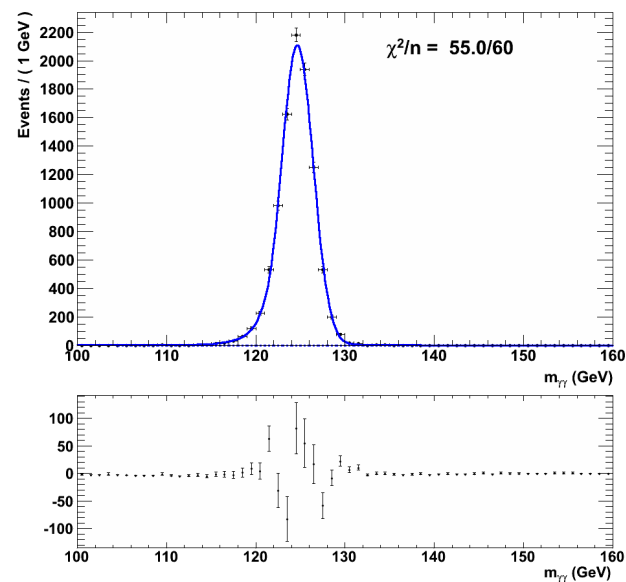
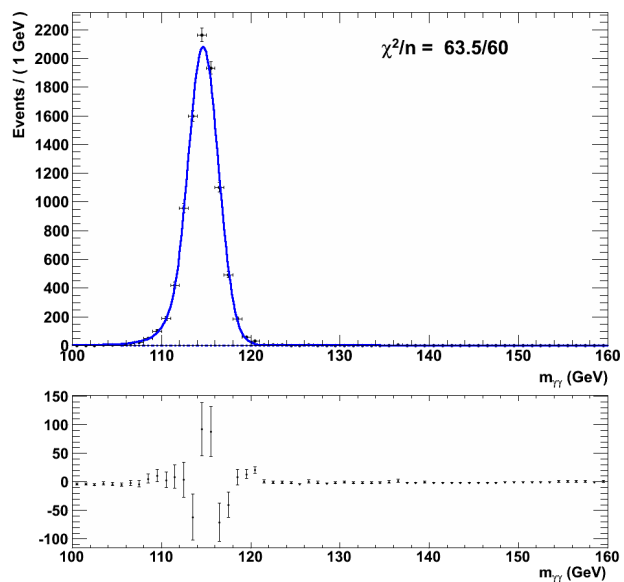
VBFH(1)



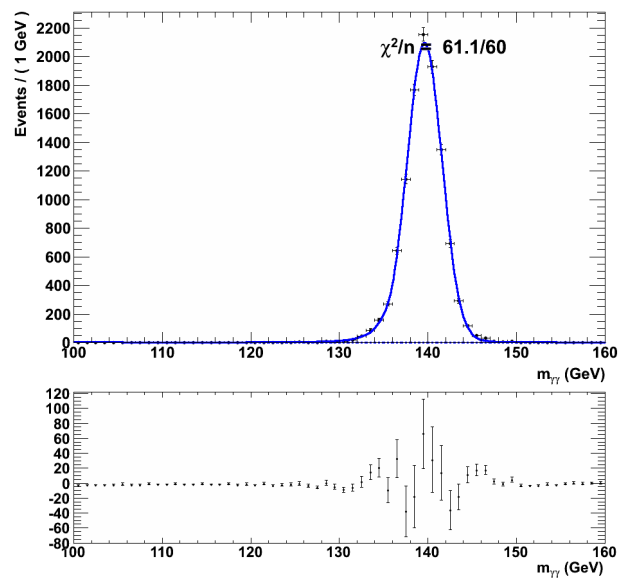
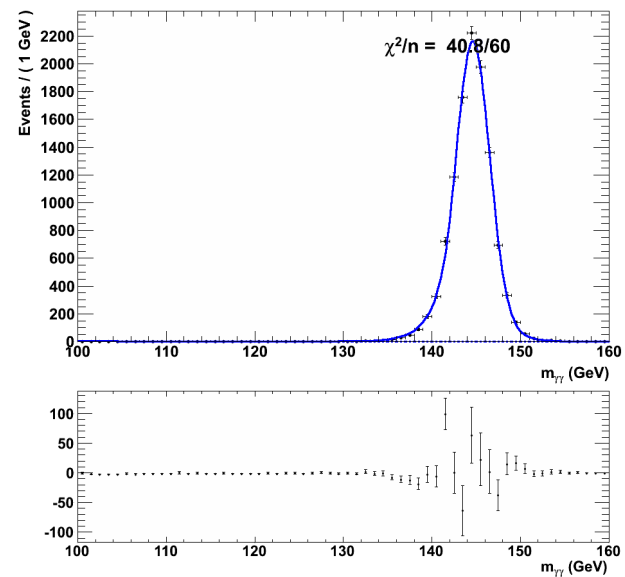
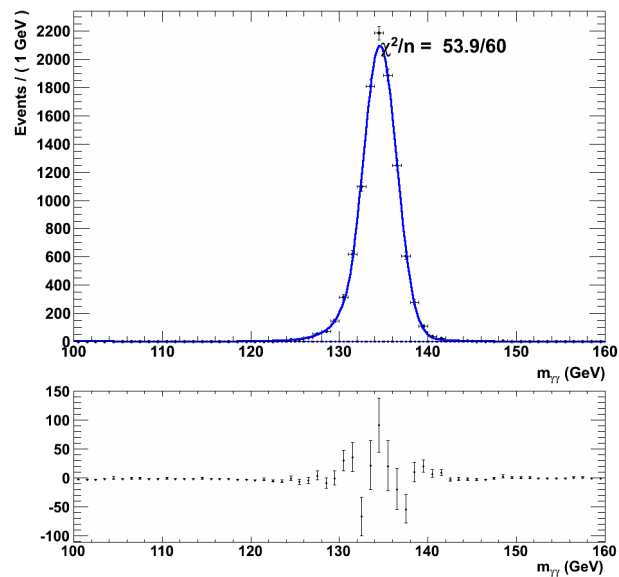
VBFH(2)



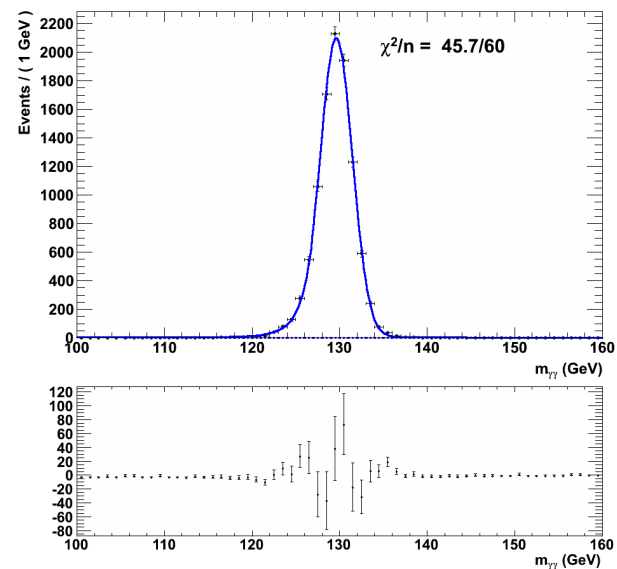
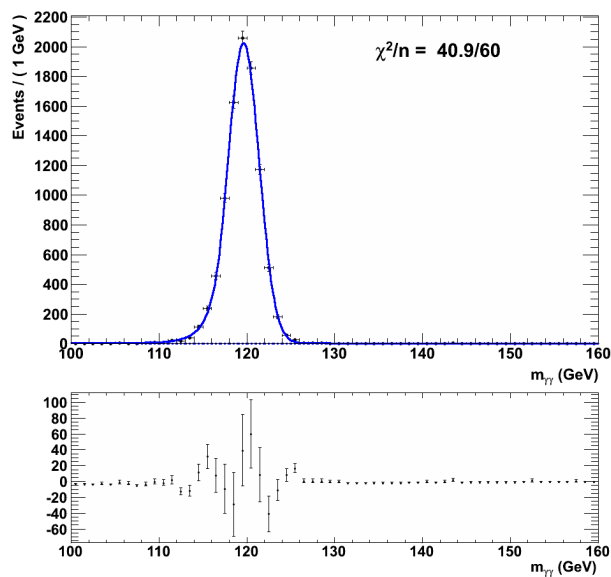
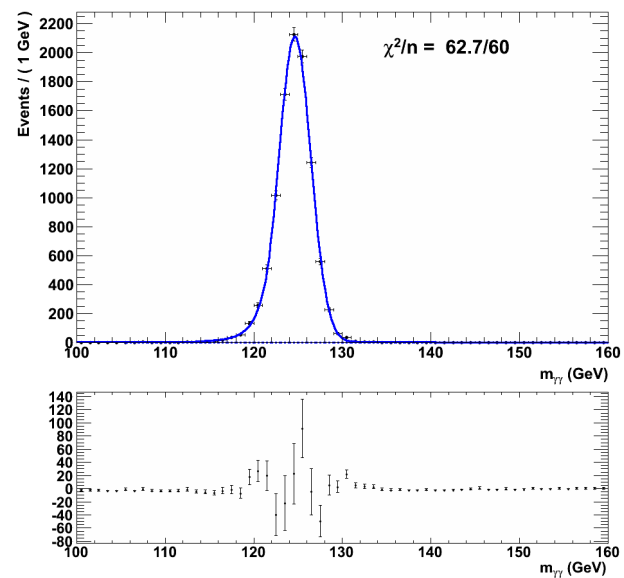
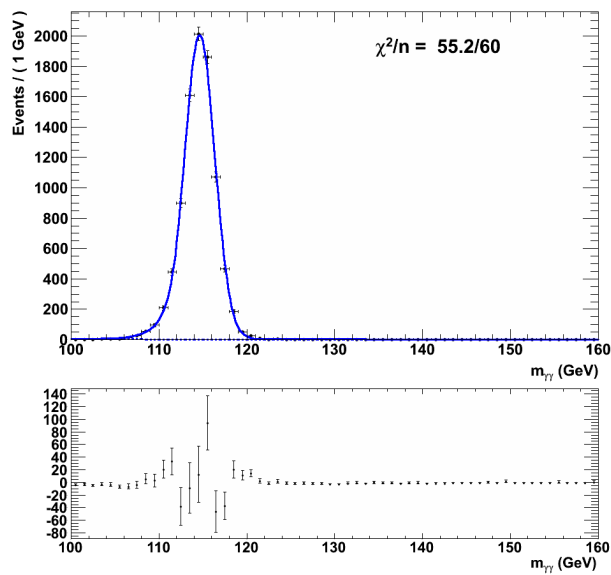
ZH(1)



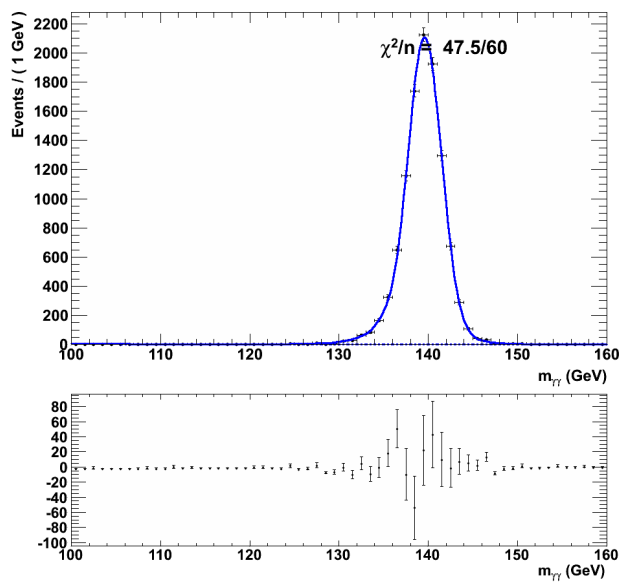
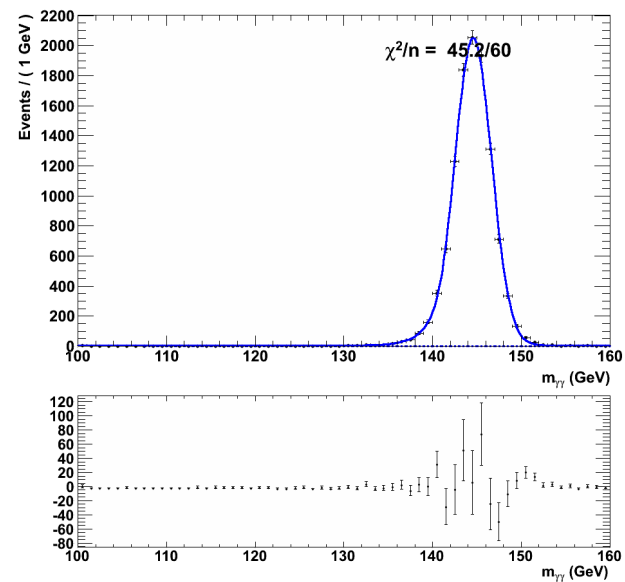
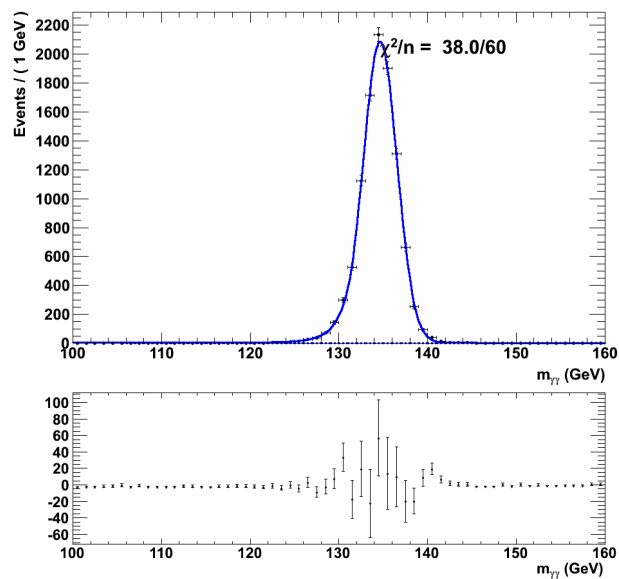
ZH(2)



WH(1)

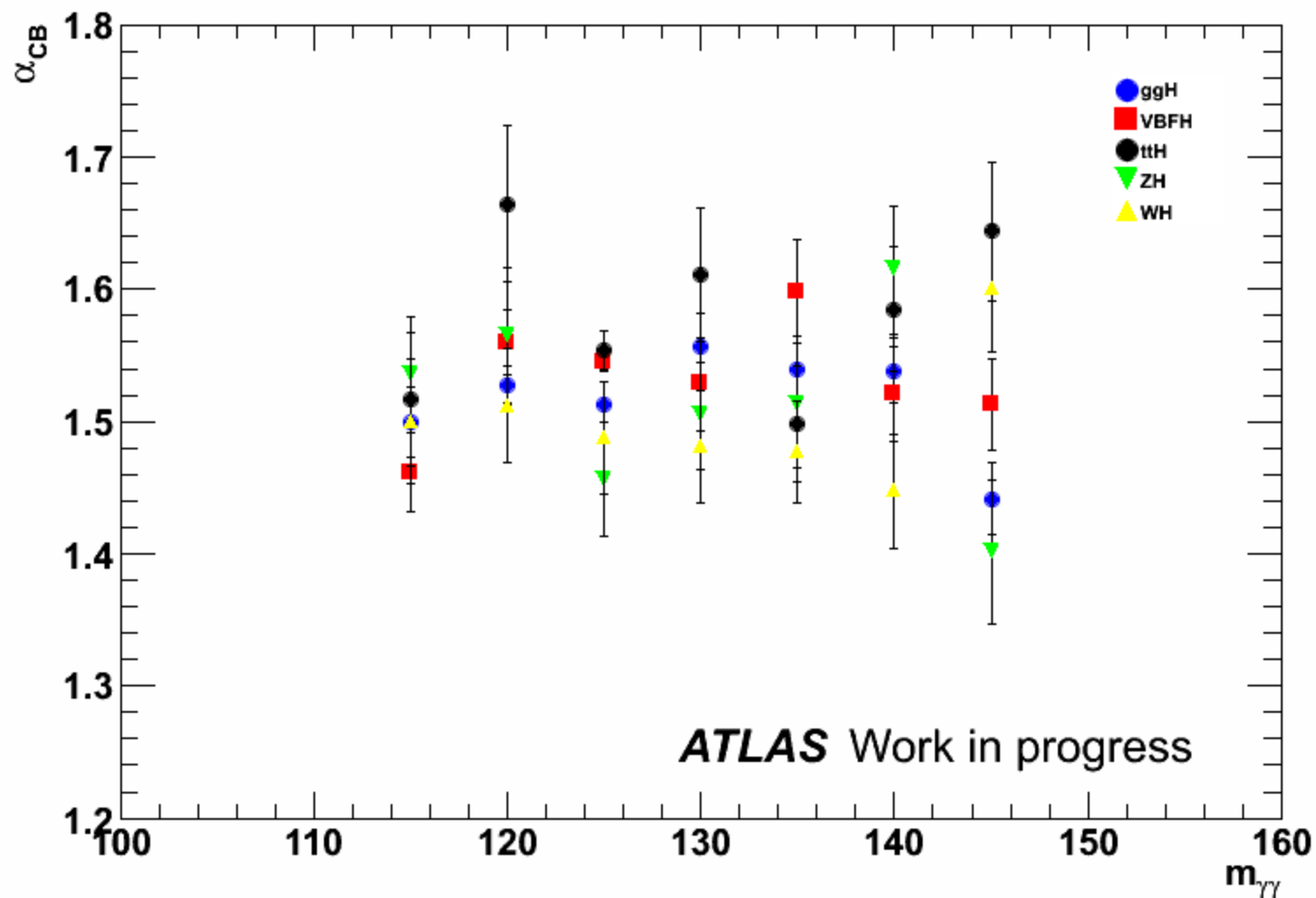


WH(2)

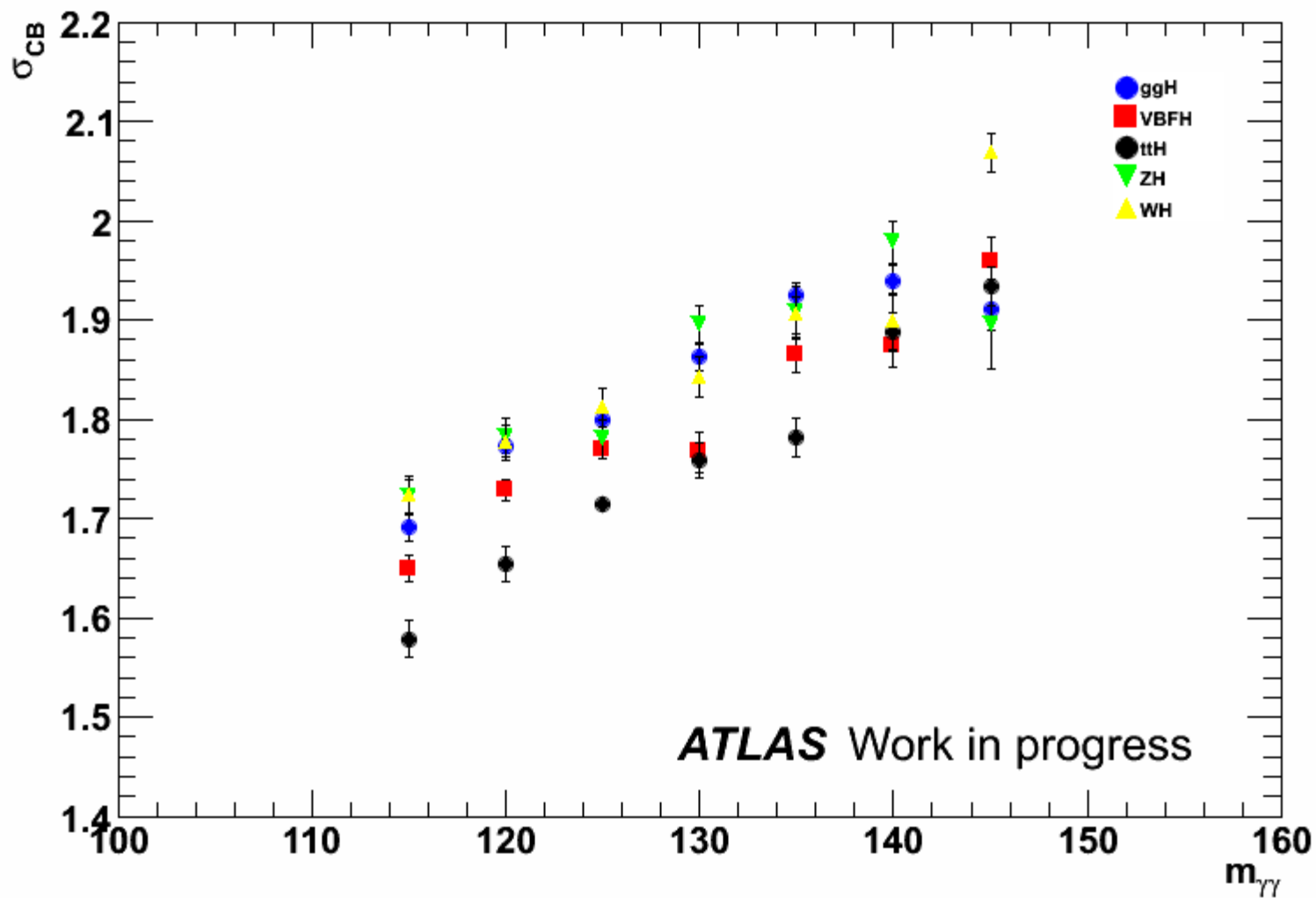


Parameters of the fits:

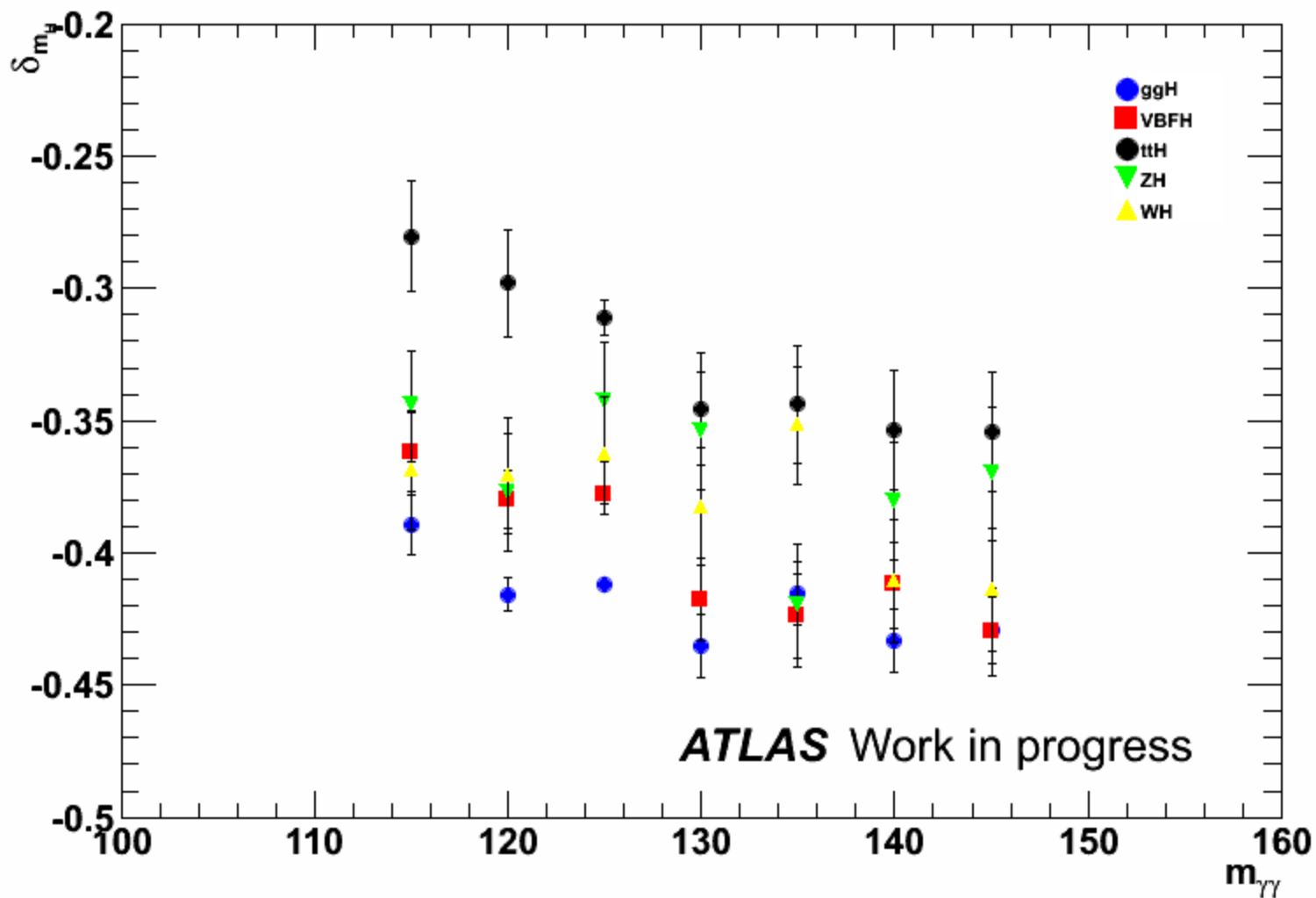
CB α



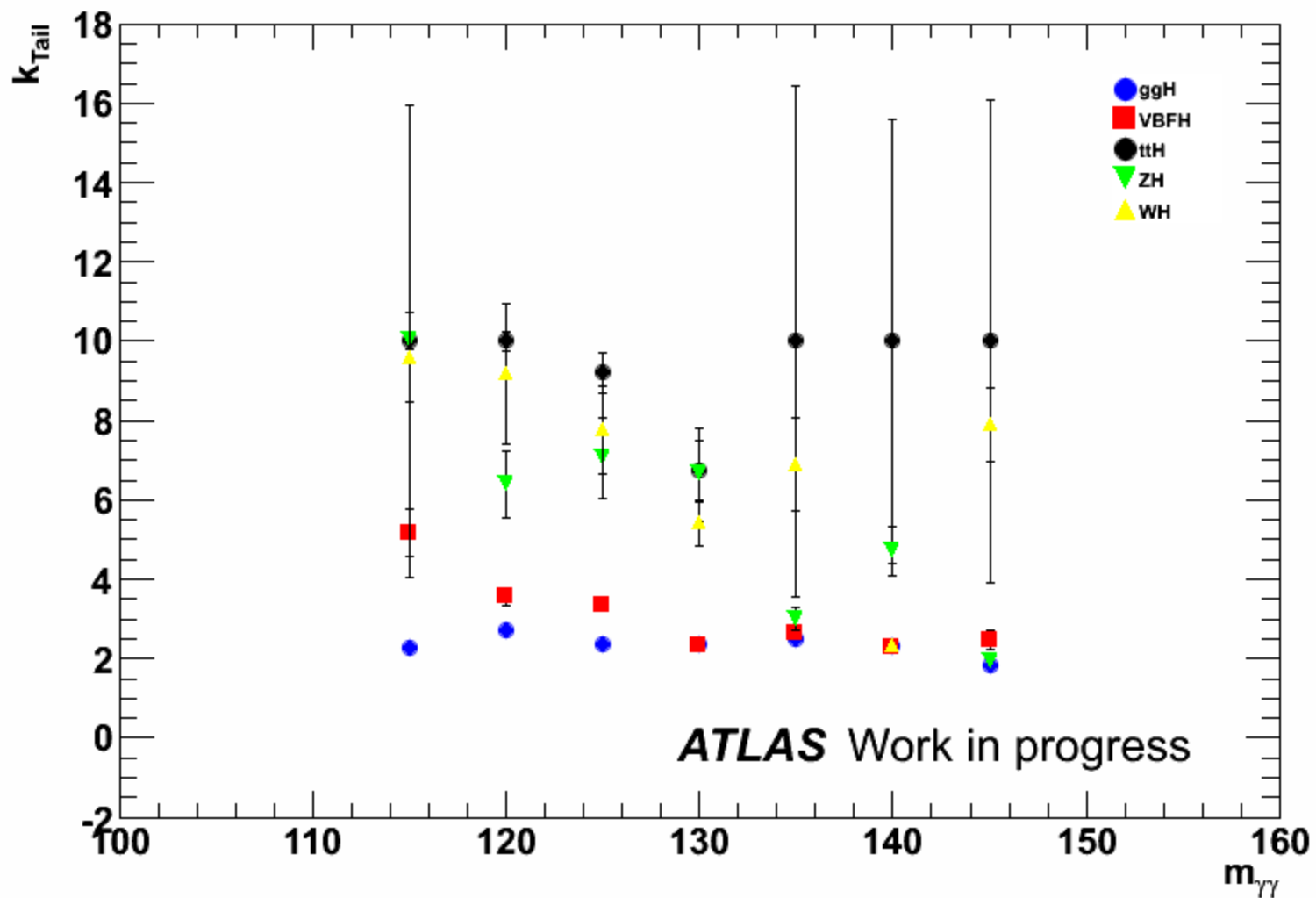
CB σ



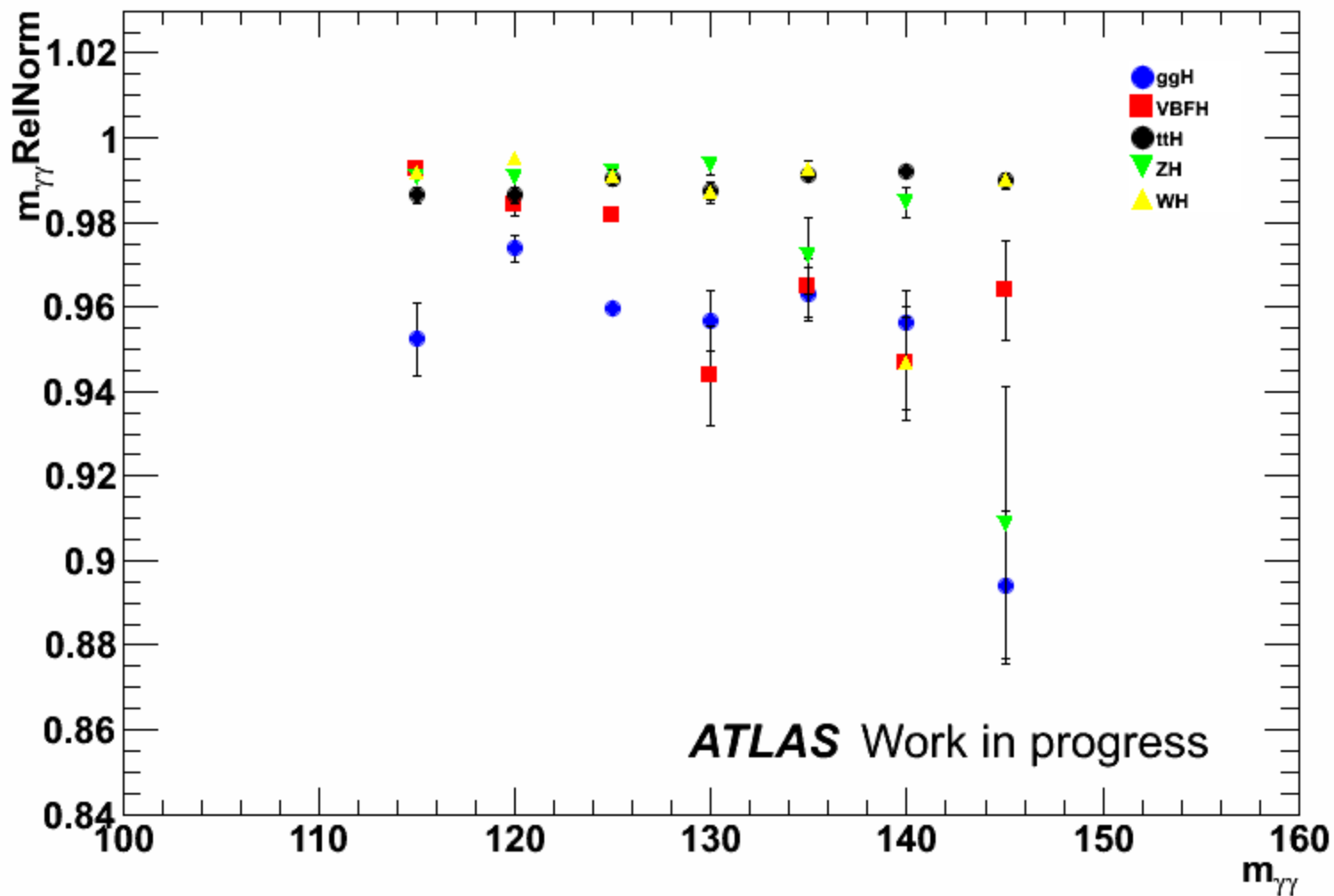
dm Higgs



kTail



mgg Rel Norm



Conclusion

- any suggestions are welcome