

$$WW\gamma\gamma \rightarrow lvqq\gamma\gamma$$

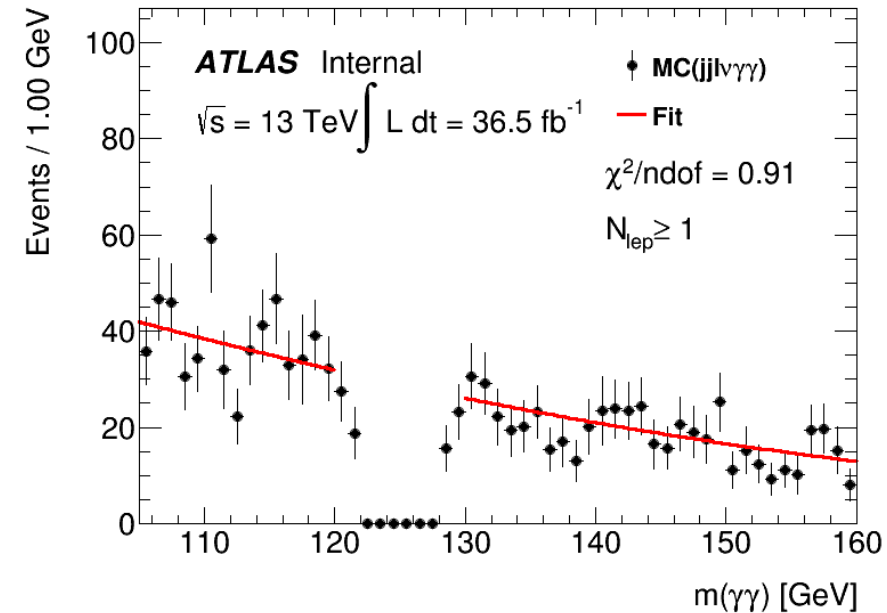
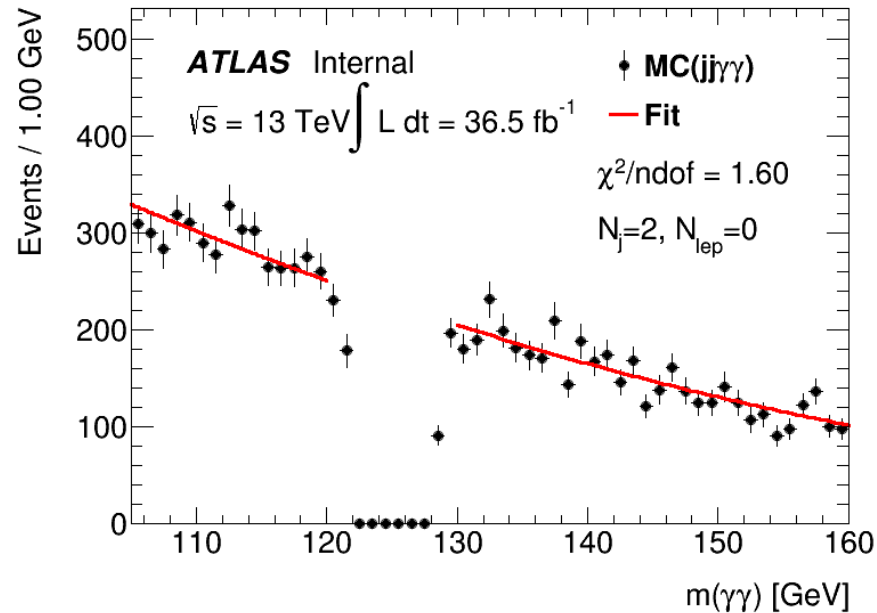
Qi Li

Monday, February 20, 2017

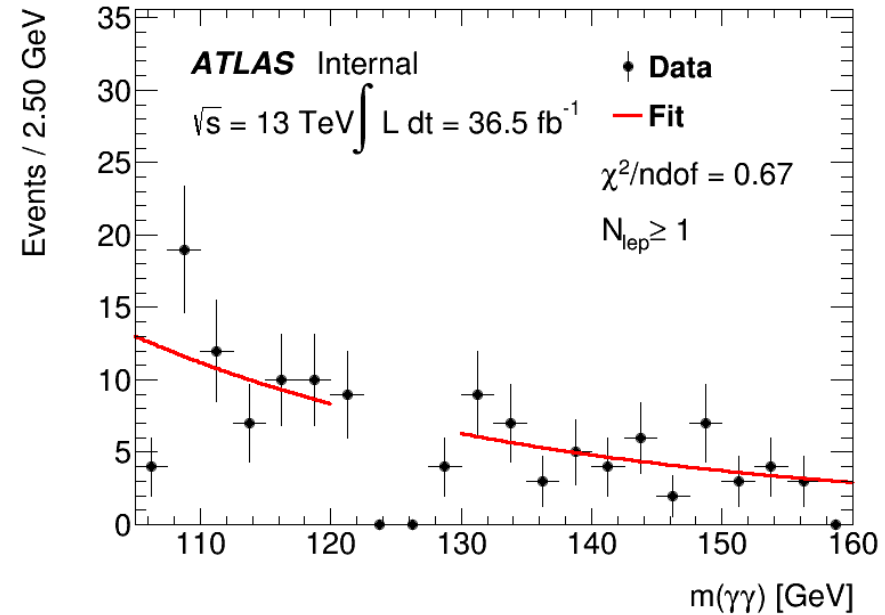
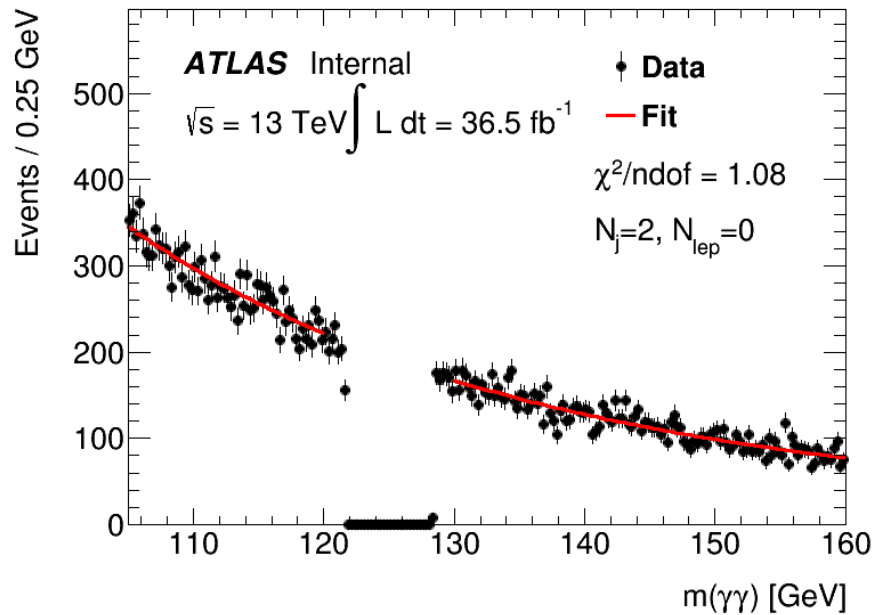
Validation of the continuum background model in SR and CR

Fit to the high statistical region (ZeroLep) with c_1 and c_2 floating, get the values of c_1 and c_2 , check the χ^2 / ndof . Pass them to the model and fit to the OneLep regions to check the χ^2 / ndof .

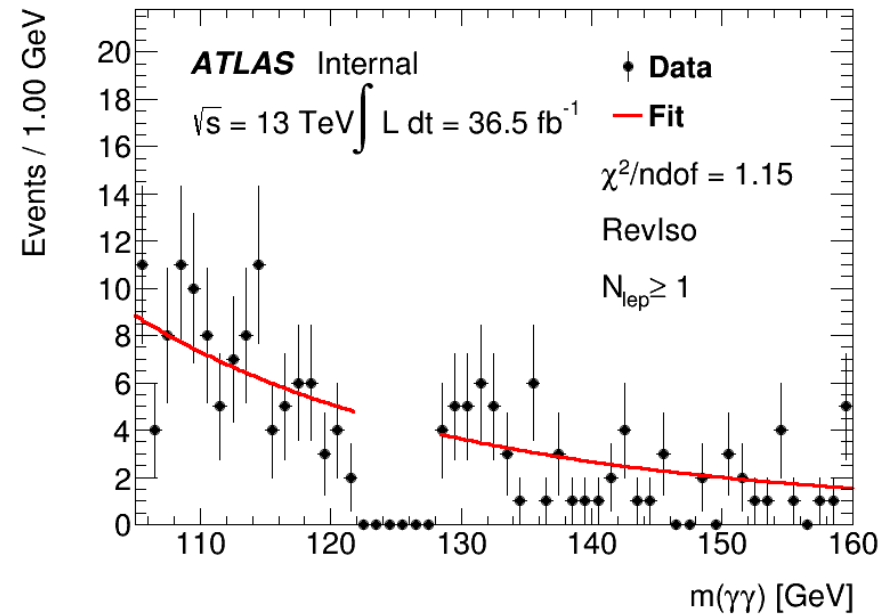
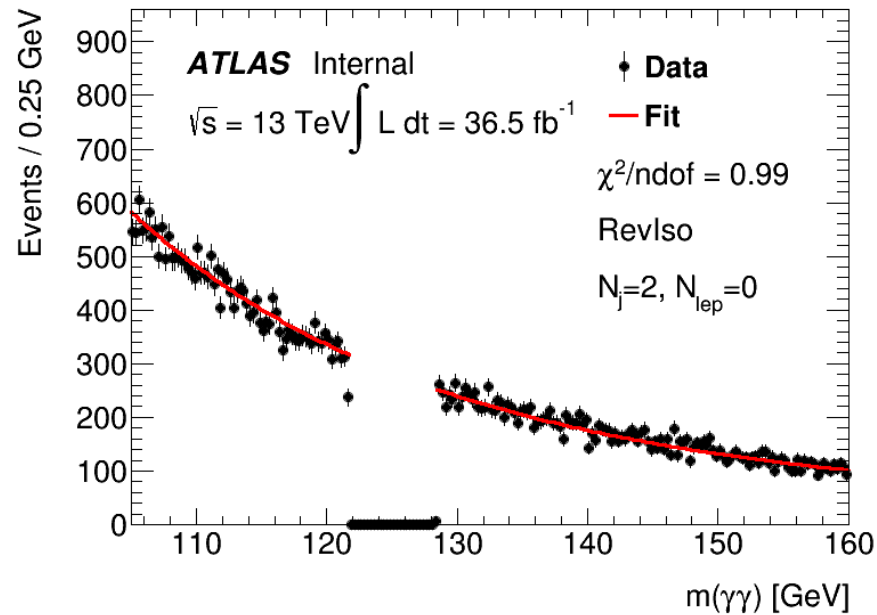
MC – High purity



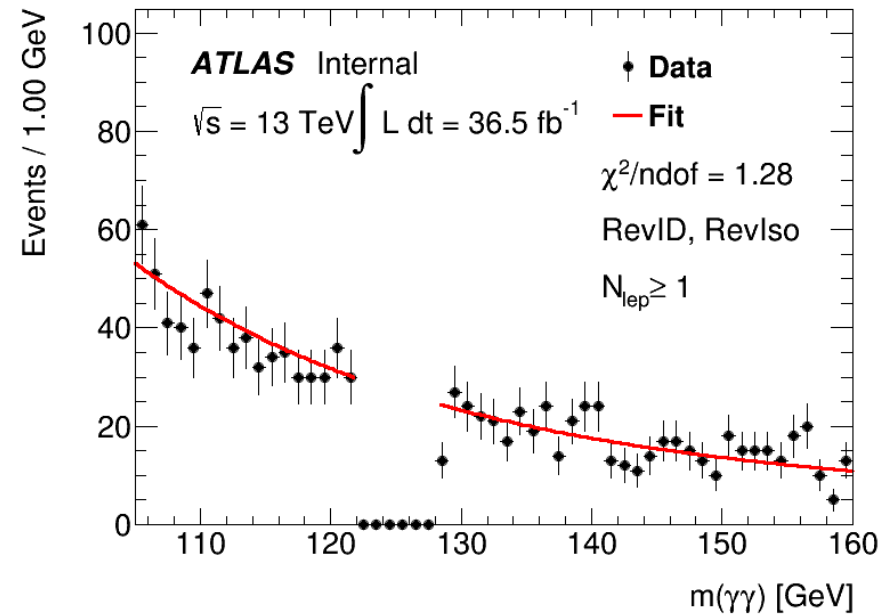
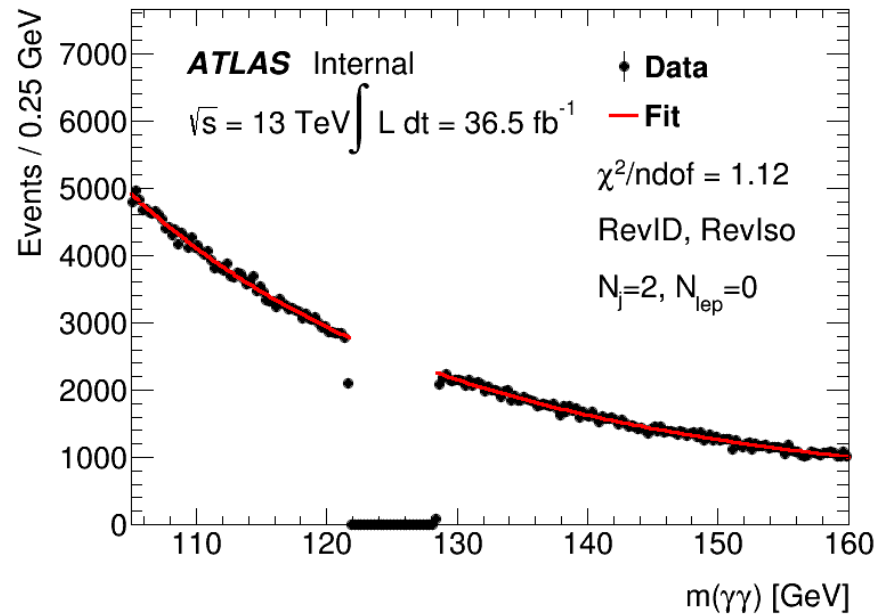
Data



Revlso



RevID&RevIso



Conclusion

- All the values of χ^2 / ndof are reasonable, close to 1.

Sys into the script to produce WS

- **All the sys have been put into the code.**
 - **Lumi, trigger, theoretical uncertainties, experimental systematics, statistical uncertainties, uncertainty on SBOverCR (transfer factor)**
- **Is submitting the jobs by h014 / h015 to get the experimental systematics, so no up-to-date results on limits from last EB meeting.**

End

Transfer factor and uncertainty

