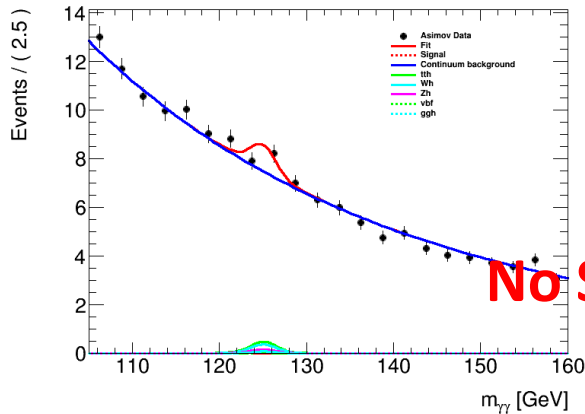


$$***hh \rightarrow WW\gamma\gamma***$$

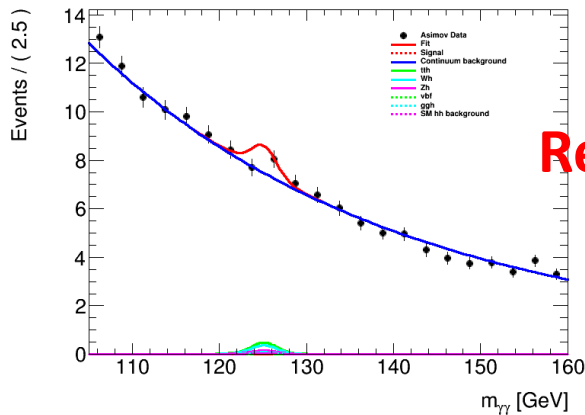
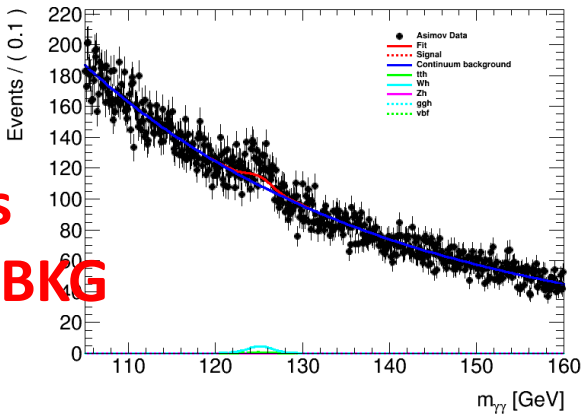
Qi Li

Monday, February 06, 2017

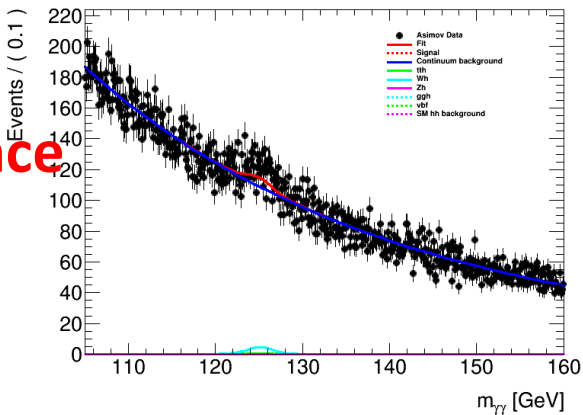
WS



Nonres
No SM hh BKG

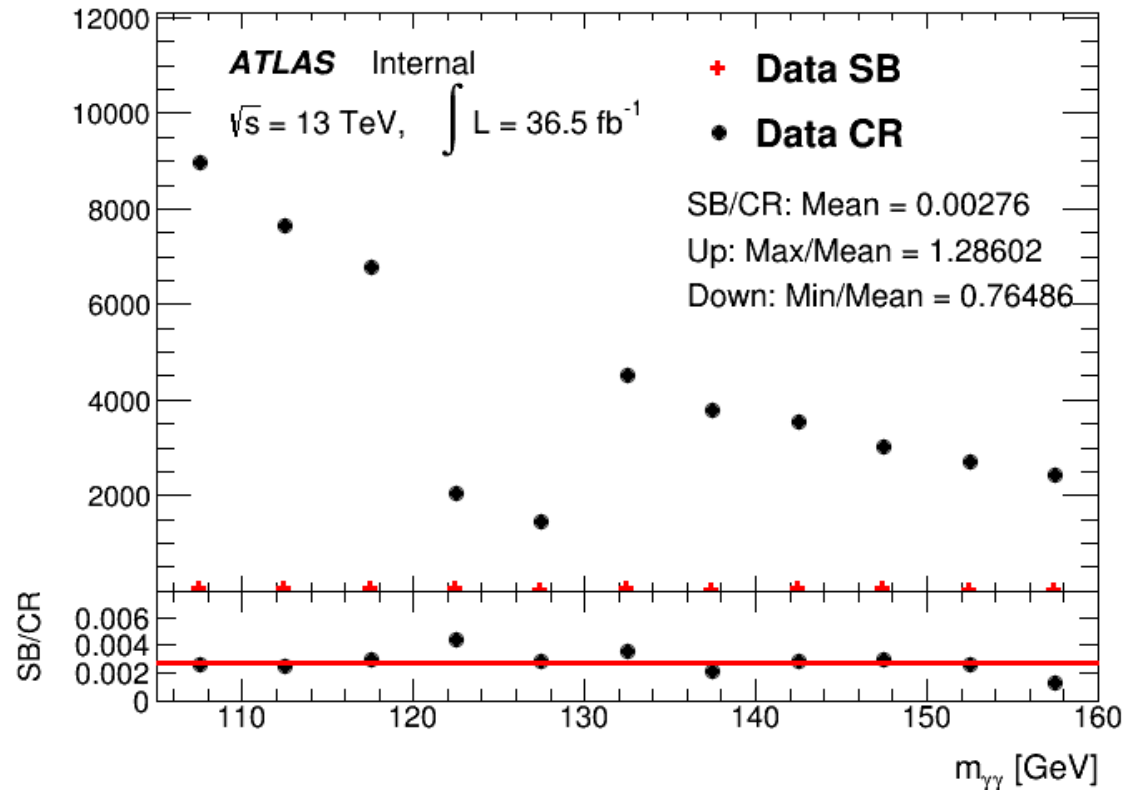


Resonance



	Nonres	Mh260	Mh300	Mh400	mh500
Expected limits	7.50685	12.0503	10.2744	7.26464	6.37885

Transfer factor



Transfer factor used in fitting = $N_{\text{SR}}/N_{\text{CR}}$

Free parameters: N_{CR} , coeff1, coeff2 in exp2, μ , NP

Status

- Spurious signal
- Exp2 fitted to SR and CR / shape consistency in the CR and SR
- Uncertainties on the transfer factory
- Note

End

Limits by counting

	Non-res	mh260	mh300	mh400	mh500
+2σ	16.071	27.9317	24.305	17.4098	14.5864
+1σ	11.2084	19.4905	16.8559	12.1447	10.1997
−1σ	5.60365	9.74654	8.39283	6.06772	5.10635
−2σ	4.17403	7.25999	6.25163	4.51971	3.80361
Median	7.77684	13.5264	11.6477	8.4209	7.08669