$\boldsymbol{WW\gamma\gamma \rightarrow l\nu qq\gamma\gamma}$

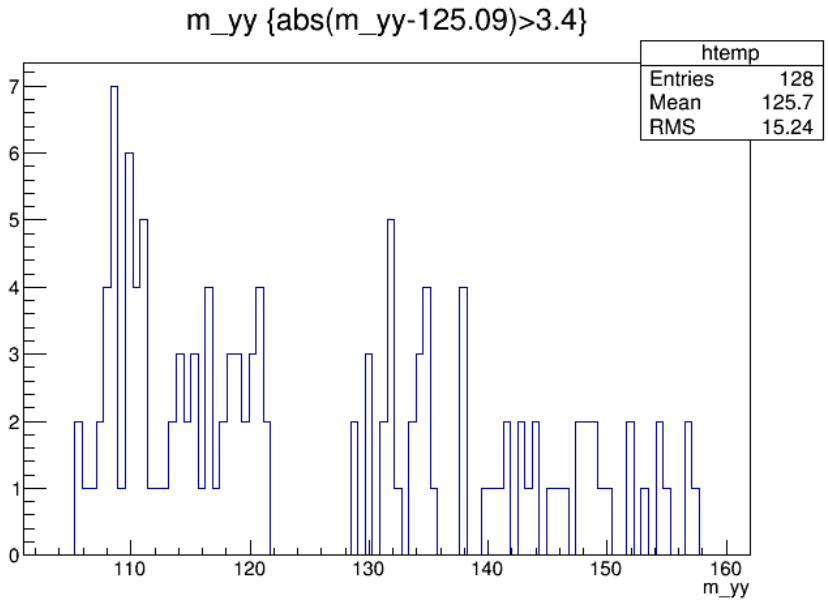
Qi Li

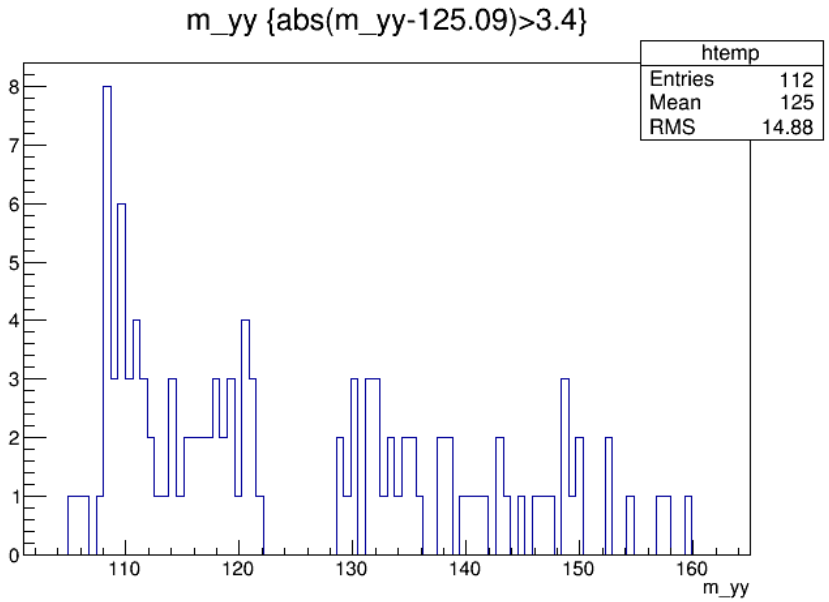
Monday, March 13, 2017

Limits for diff cuts on $pT_{\gamma\gamma}$

Expected limit (pb)	Nonres	Mh400	Mh500
No $pT_{\gamma\gamma}$ cut	7.77684	8.4209	6.39313
$pT_{\gamma\gamma} >$ 70 GeV	5.38999	5.84693	4.68972
$pT_{\gamma\gamma} <$ 70 GeV	72.5181	74.2829	168.259
$pT_{\gamma\gamma} >$ 80 GeV	5.15261	5.63535	4.40945
$pT_{\gamma\gamma} <$ 80 GeV	58.2024	56.3984	136.73
$pT_{\gamma\gamma} >$ 90 GeV	4.79898	5.31492	4.02736
$pT_{\gamma\gamma} <$ 90 GeV	47.8103	44.0859	110.786
$pT_{\gamma\gamma} >$ 100 GeV	4.80337	5.38366	3.93155
$pT_{\gamma\gamma} <$ 100 GeV	38.2322	34.7166	86.1994
$pT_{\gamma\gamma} >$ 110 GeV	4.62282	5.29326	3.72015
$pT_{\gamma\gamma} <$ 110 GeV	32.3283	28.3212	65.8265

Tight vs. Medium





End