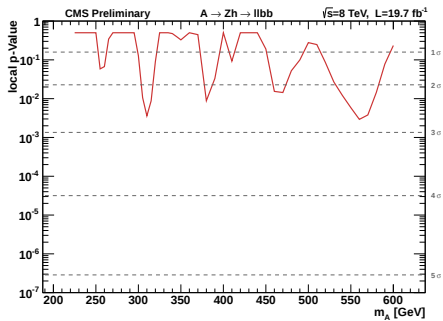
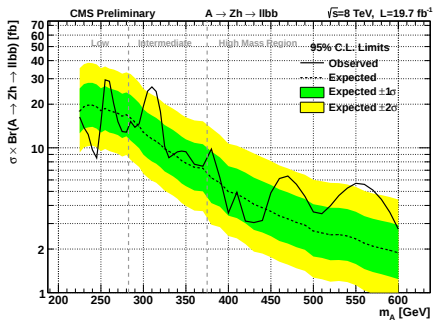


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2D fit



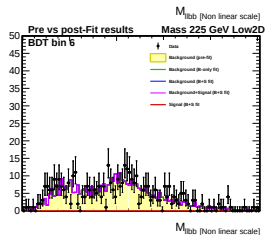
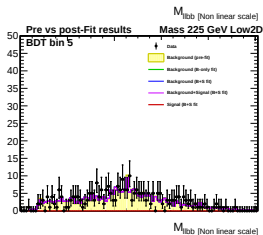
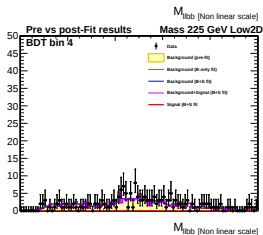
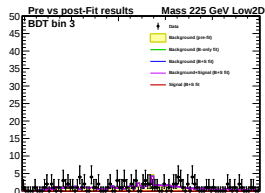
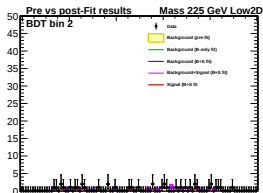
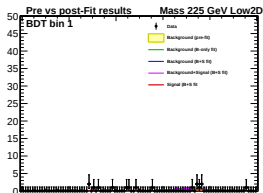


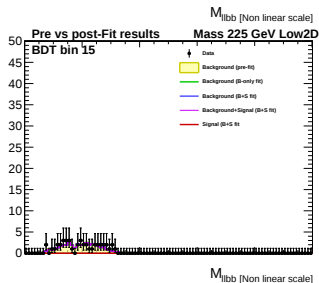
Pre vs post-Fit results Mass 225 GeV Low2D





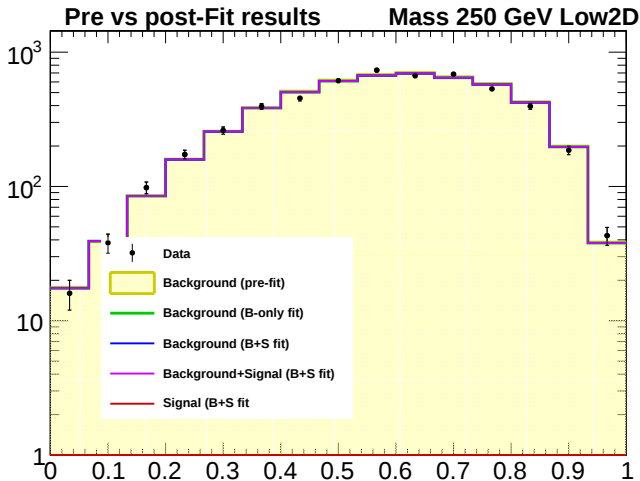
Pre vs Post fit plots M 225 GeV





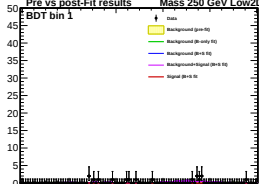
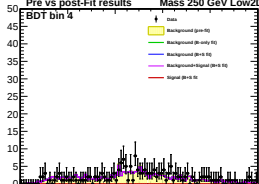
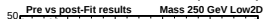
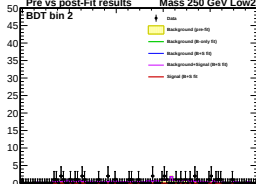
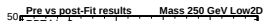
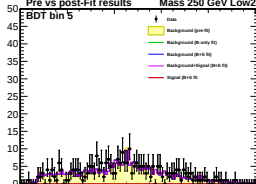
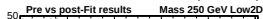
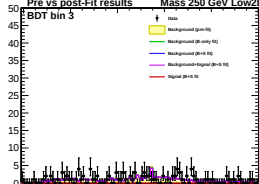
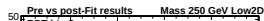
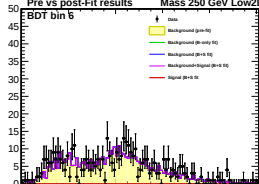
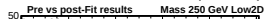


Pre vs Post fit plots M 250 GeV



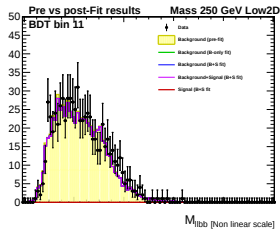
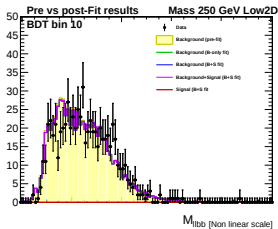
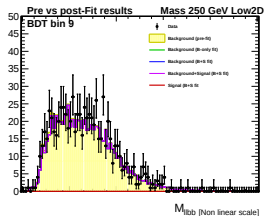
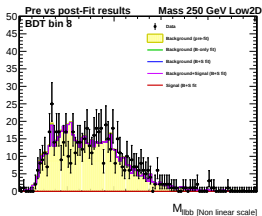
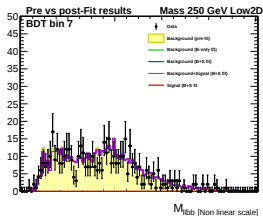


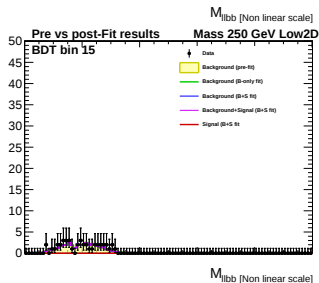
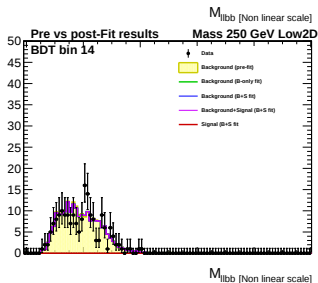
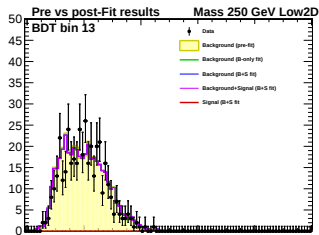
Pre vs post-Fit results Mass 250 GeV Low2D

 M_{lib} [Non linear scale] M_{libb} [Non linear scale] M_{libb} [Non linear scale] M_{lib} [Non linear scale] M_{libb} [Non linear scale] M_{libb} [Non linear scale]



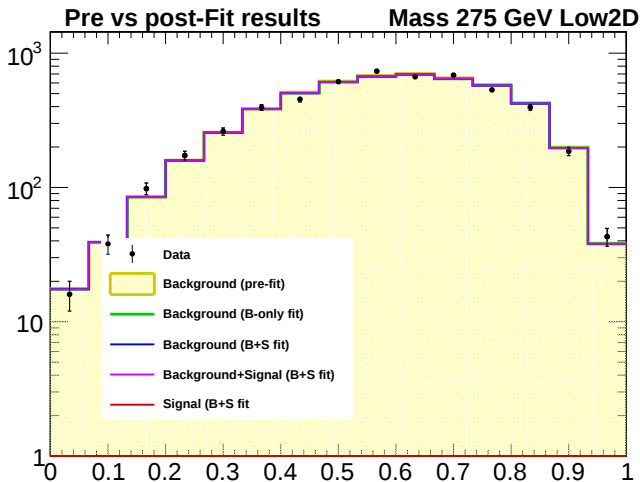
Pre vs Post fit plots M 250 GeV





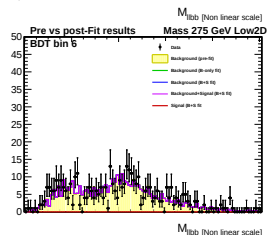
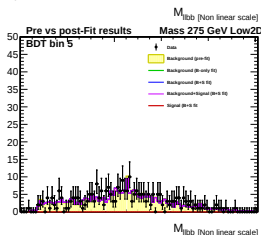
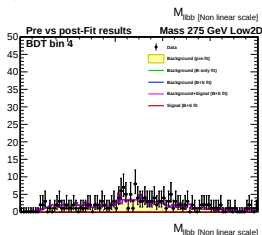
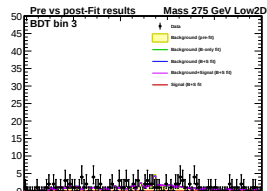
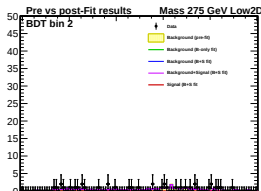
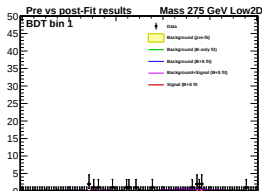


Pre vs Post fit plots M 275 GeV





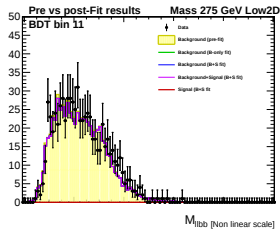
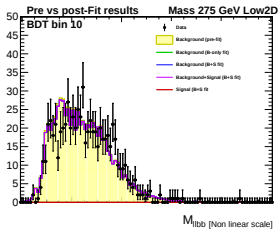
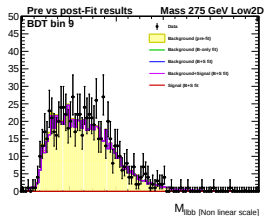
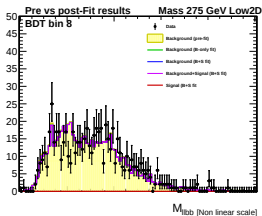
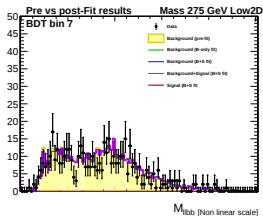
Pre vs Post fit plots M 275 GeV



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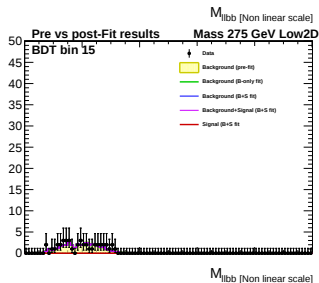
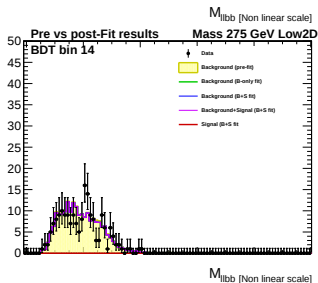
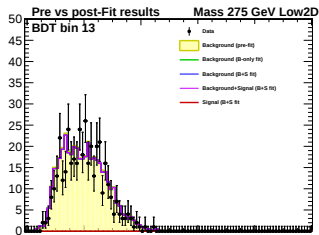
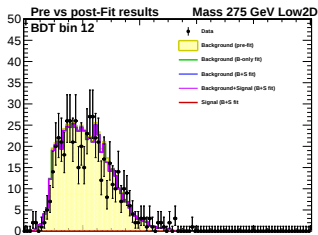
Pre vs Post fit plots M 275 GeV



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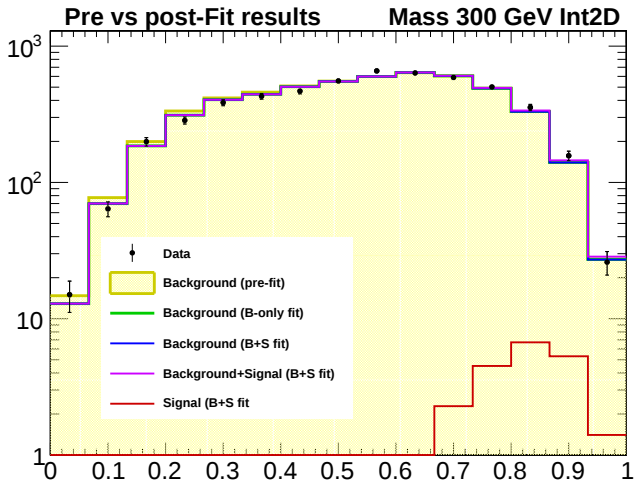


Pre vs Post fit plots M 275 GeV





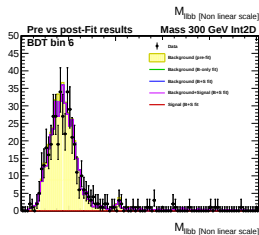
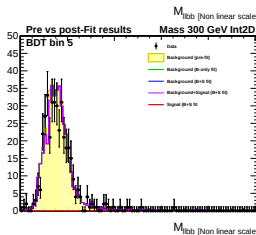
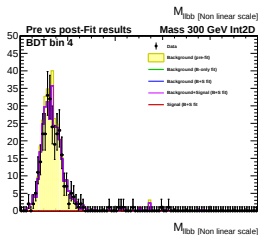
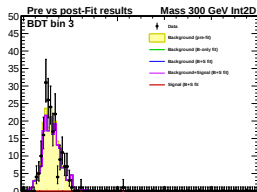
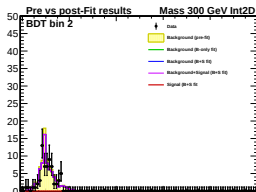
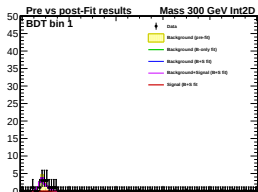
Pre vs Post fit plots M 300 GeV



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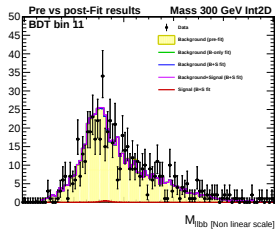
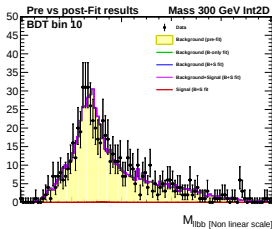
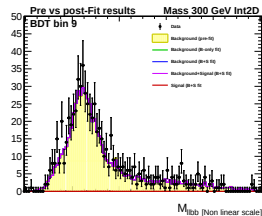
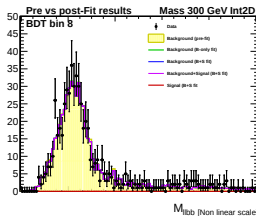
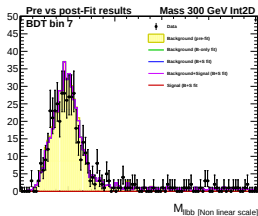
Pre vs Post fit plots M 300 GeV



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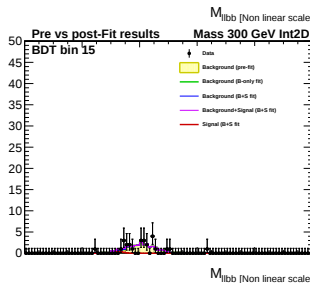
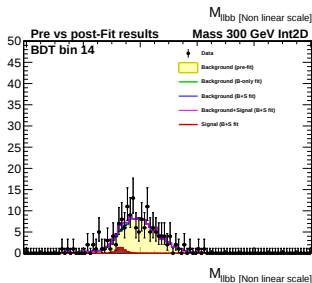
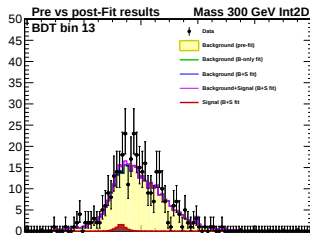
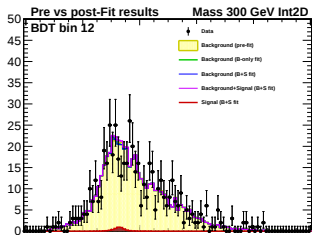
Pre vs Post fit plots M 300 GeV



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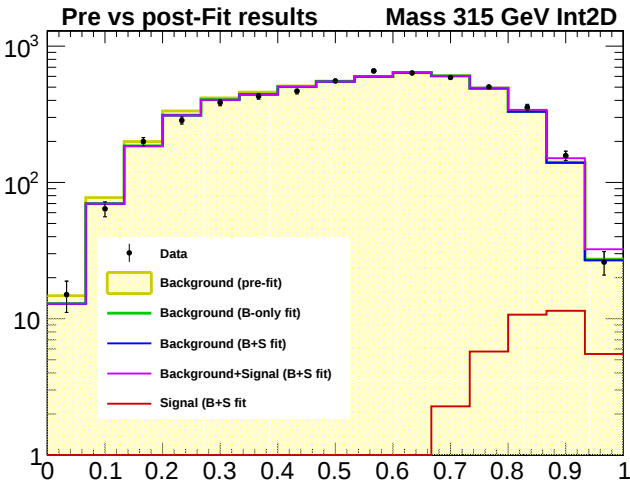


Pre vs Post fit plots M 300 GeV



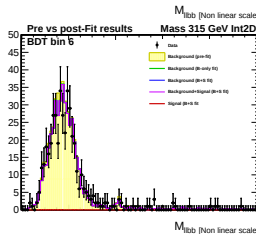
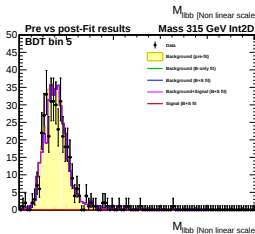
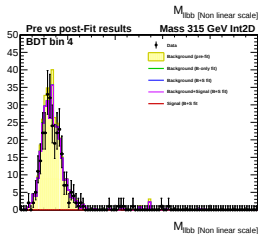
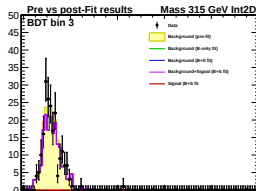
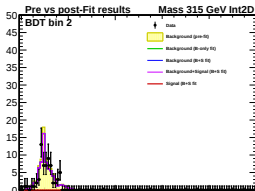
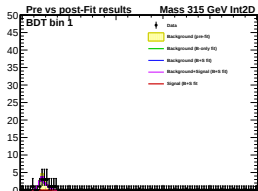


Pre vs Post fit plots M 315 GeV





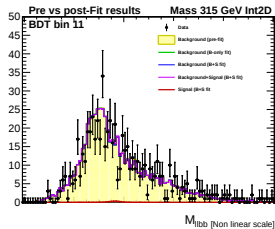
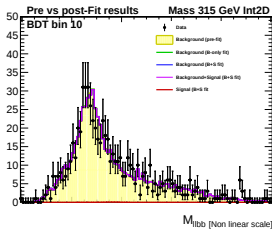
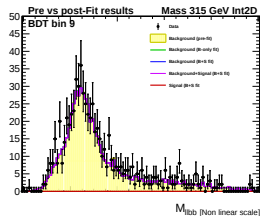
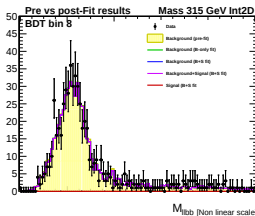
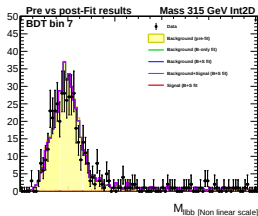
Pre vs Post fit plots M 315 GeV



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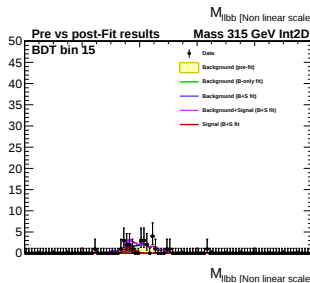
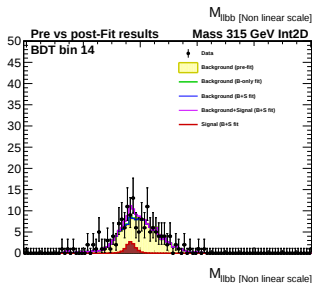
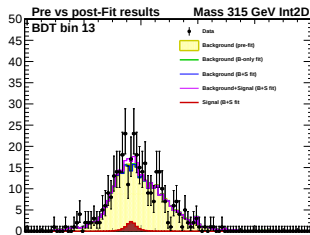
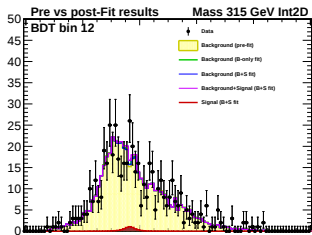
Pre vs Post fit plots M 315 GeV



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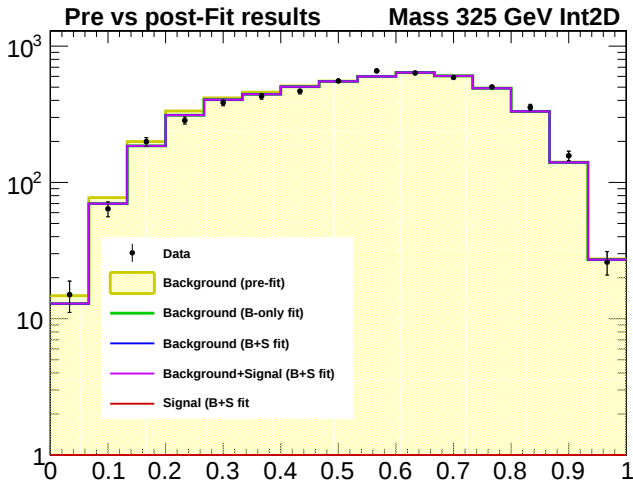


Pre vs Post fit plots M 315 GeV





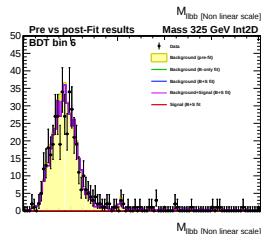
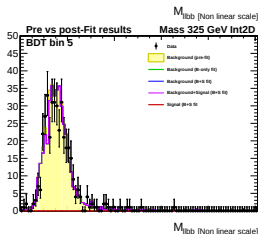
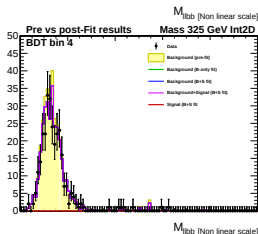
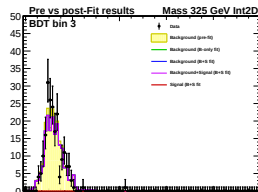
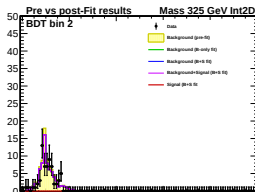
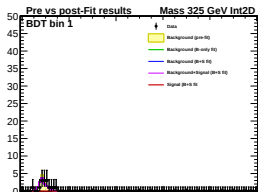
Pre vs Post fit plots M 325 GeV



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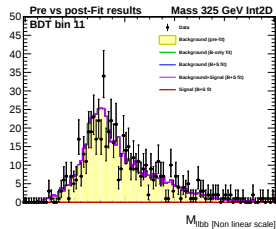
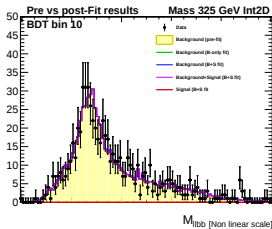
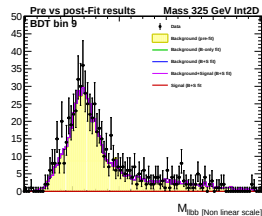
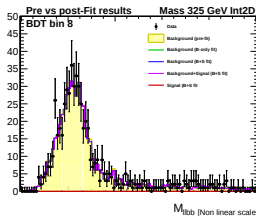
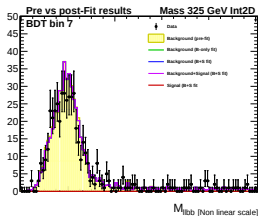
Pre vs Post fit plots M 325 GeV



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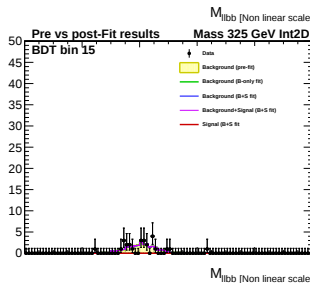
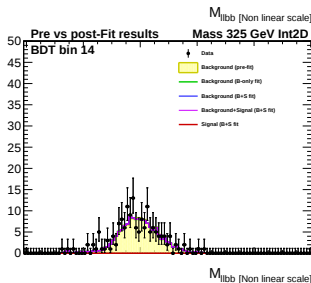
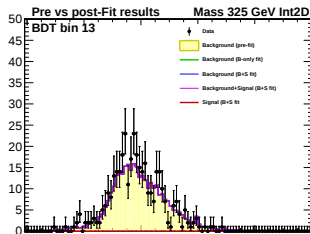
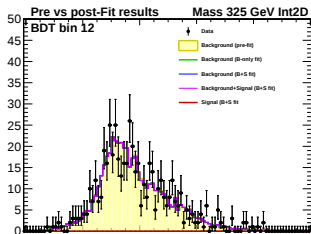


Pre vs Post fit plots M 325 GeV



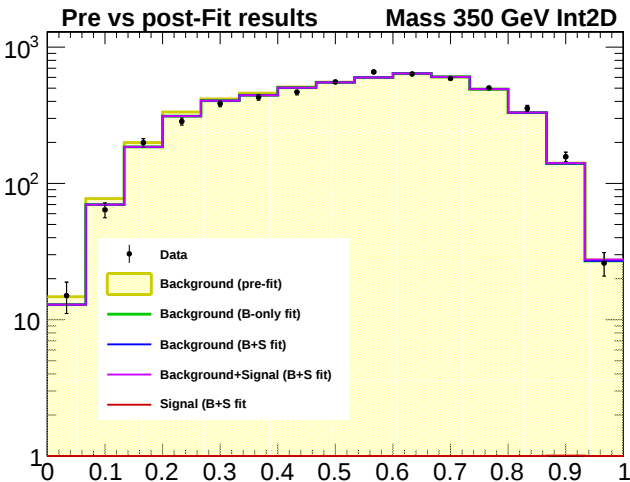


Pre vs Post fit plots M 325 GeV





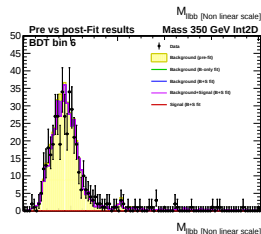
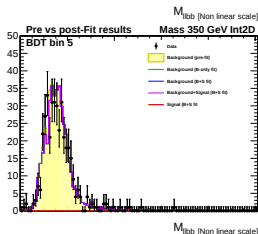
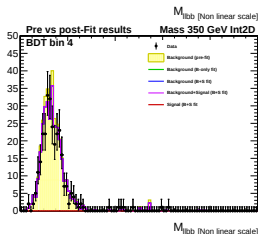
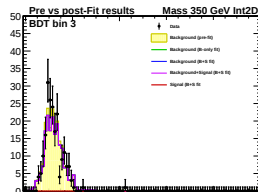
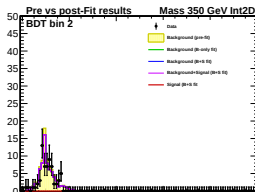
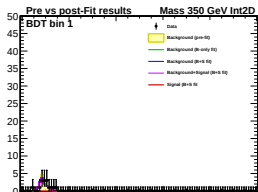
Pre vs Post fit plots M 350 GeV



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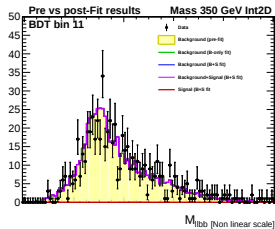
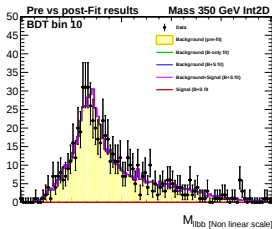
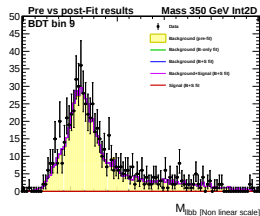
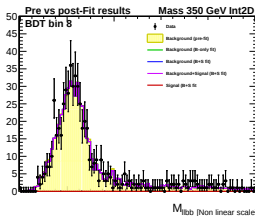
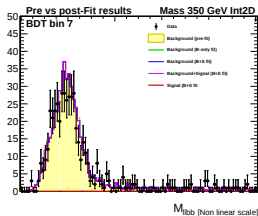
Pre vs Post fit plots M 350 GeV



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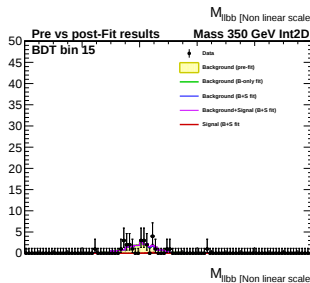
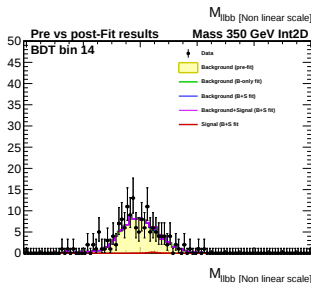
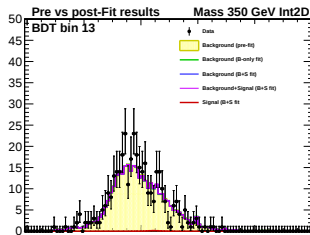
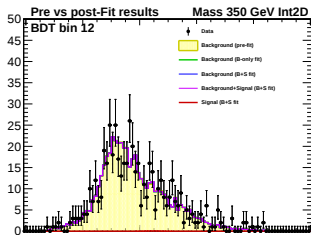


Pre vs Post fit plots M 350 GeV



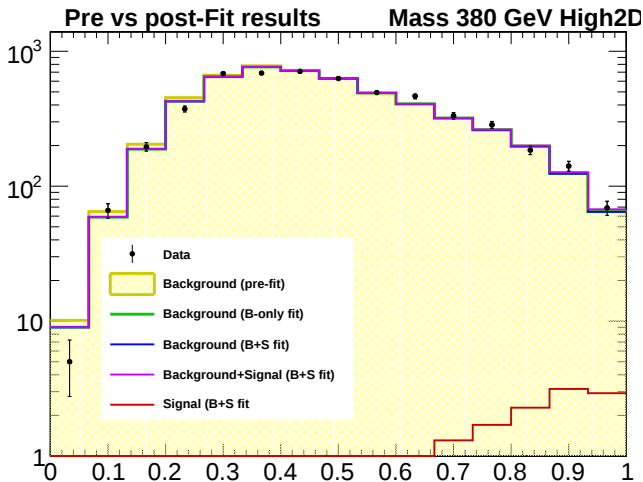


Pre vs Post fit plots M 350 GeV





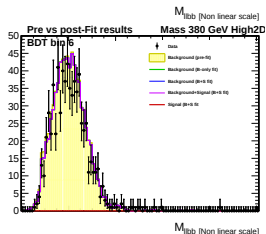
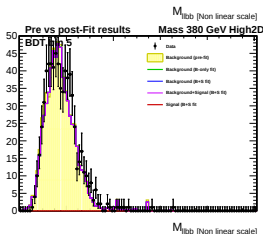
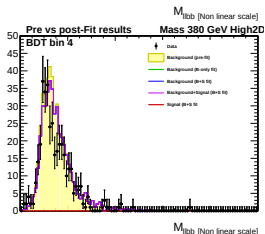
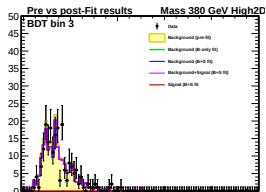
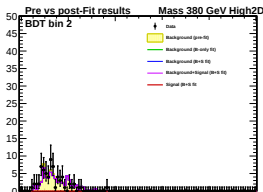
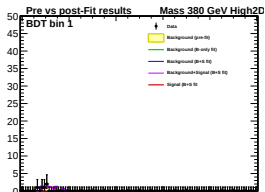
Pre vs Post fit plots M 380 GeV



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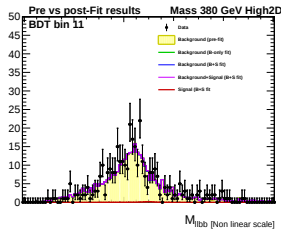
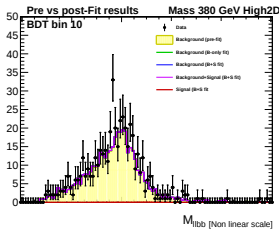
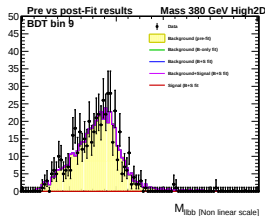
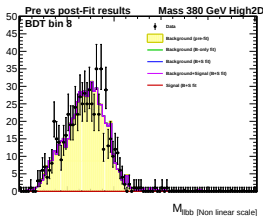
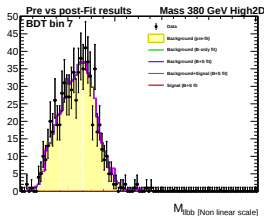
Pre vs Post fit plots M 380 GeV



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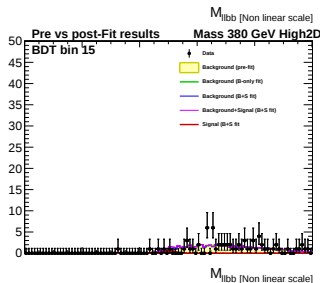
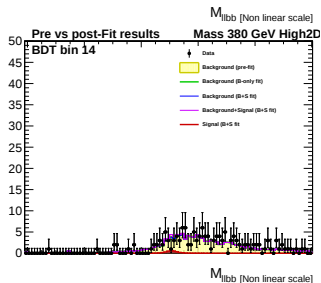
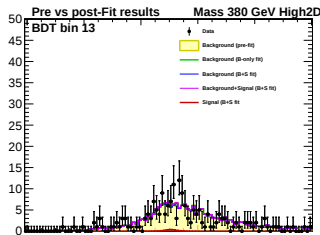
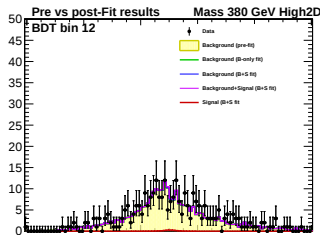


Pre vs Post fit plots M 380 GeV



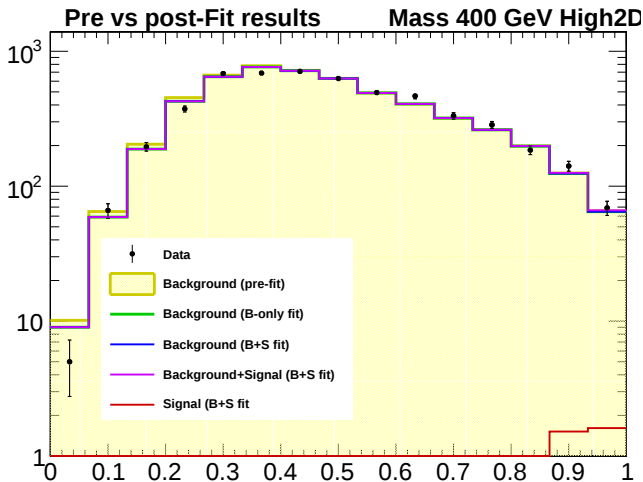


Pre vs Post fit plots M 380 GeV





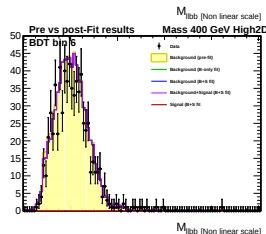
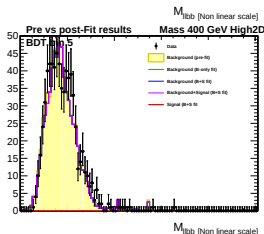
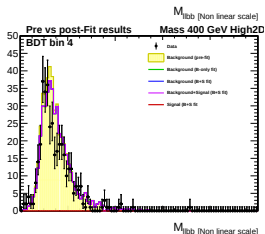
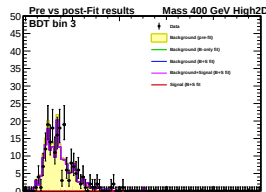
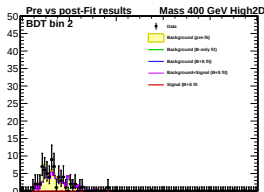
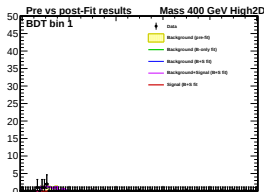
Pre vs Post fit plots M 400 GeV



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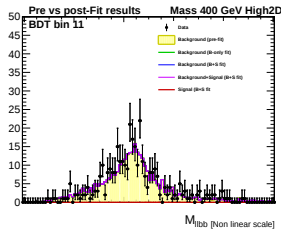
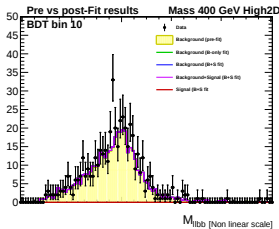
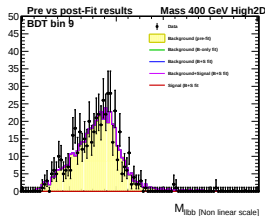
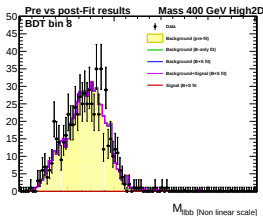
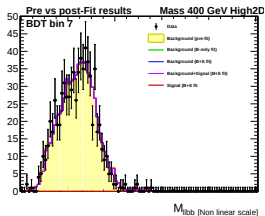
Pre vs Post fit plots M 400 GeV



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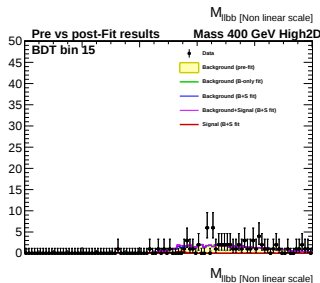
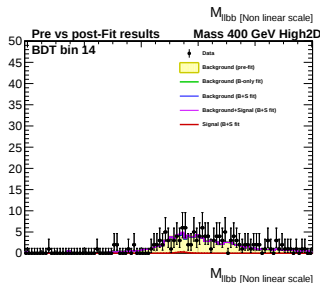
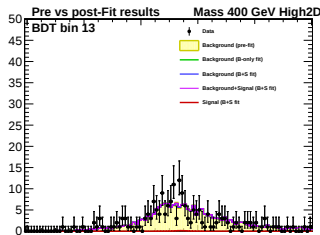
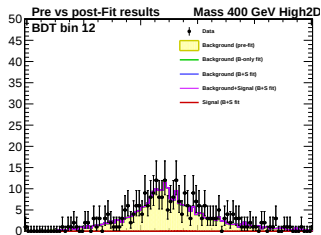
Pre vs Post fit plots M 400 GeV



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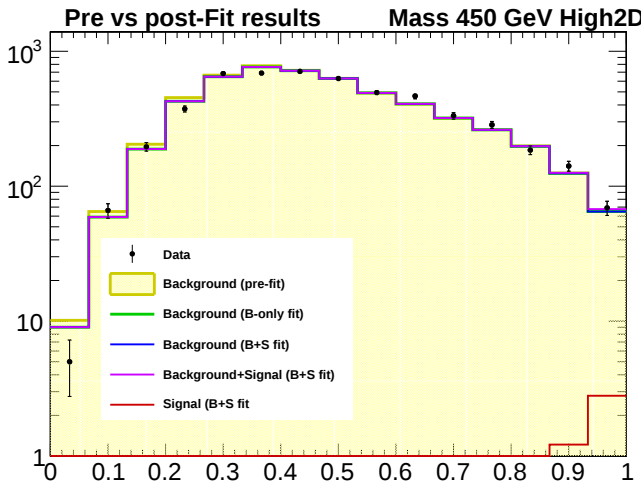


Pre vs Post fit plots M 400 GeV



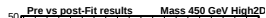
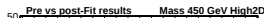


Pre vs Post fit plots M 450 GeV





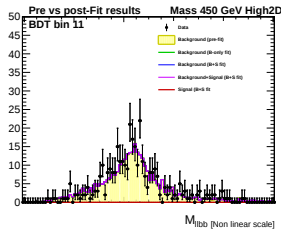
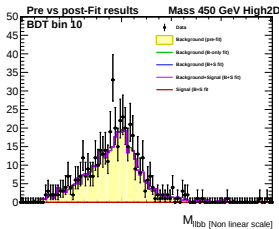
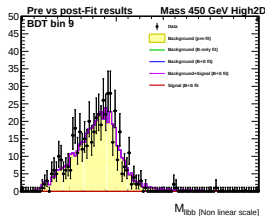
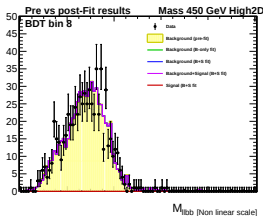
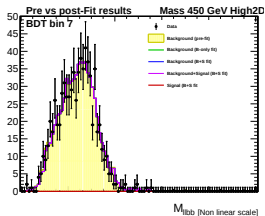
Pre vs post-Fit results Mass 450 GeV High2D



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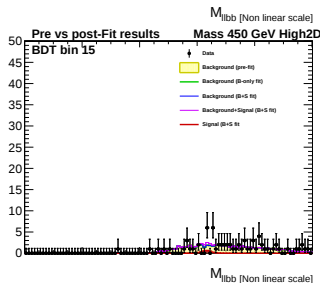
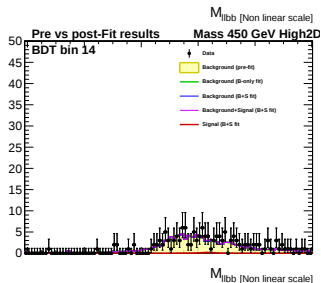
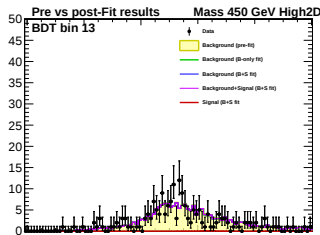
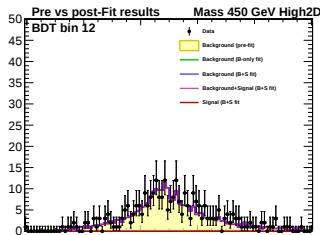
Pre vs Post fit plots M 450 GeV



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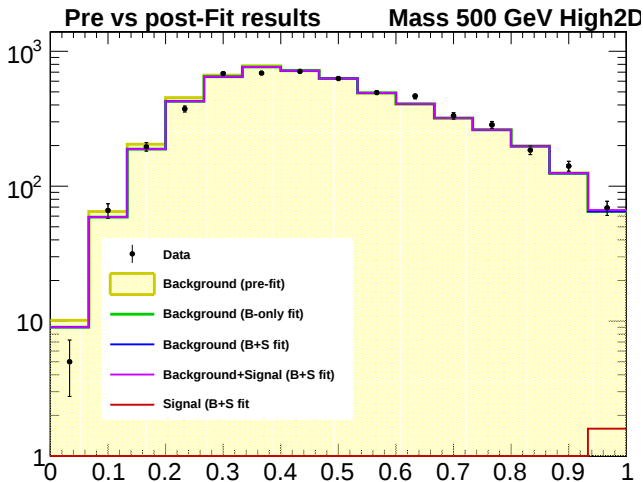


Pre vs Post fit plots M 450 GeV



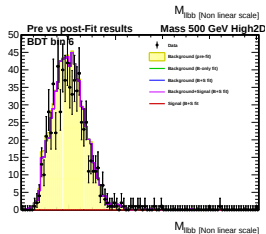
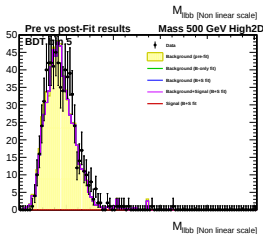
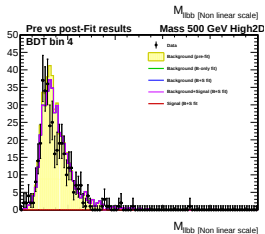
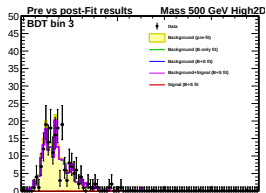
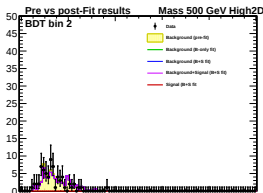
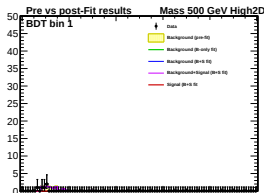


Pre vs Post fit plots M 500 GeV





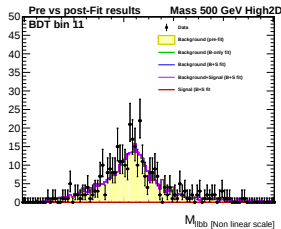
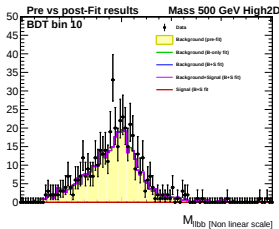
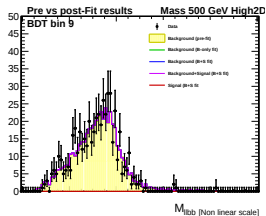
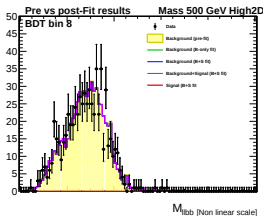
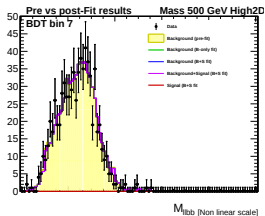
Pre vs Post fit plots M 500 GeV



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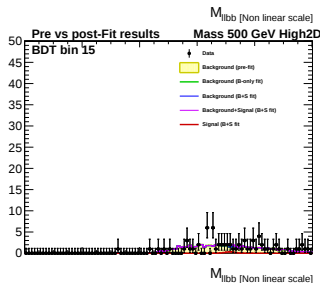
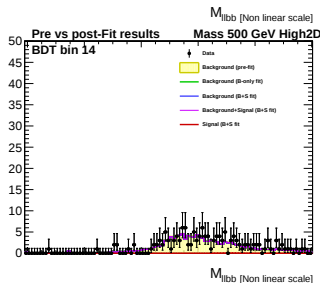
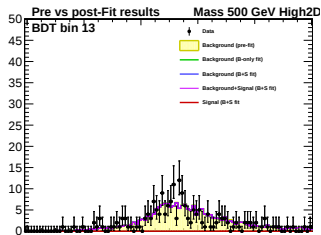
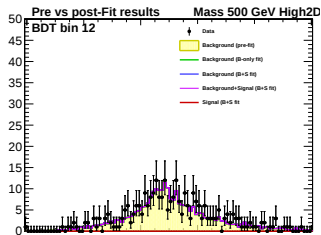


Pre vs Post fit plots M 500 GeV



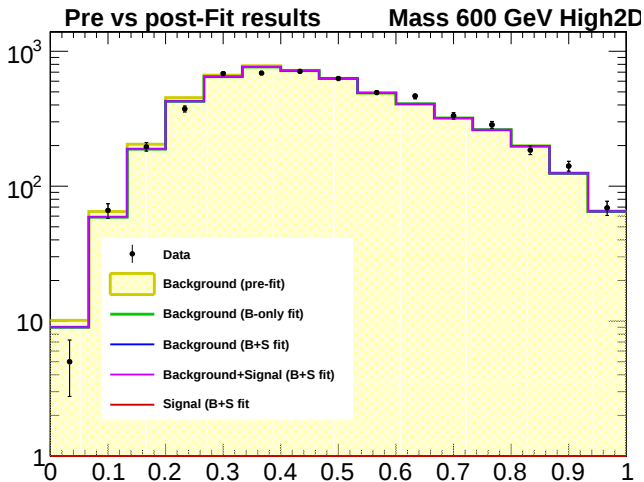


Pre vs Post fit plots M 500 GeV



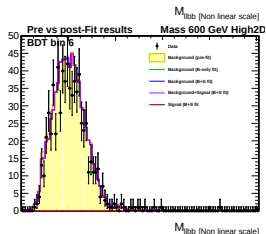
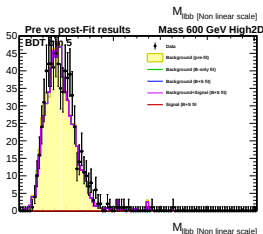
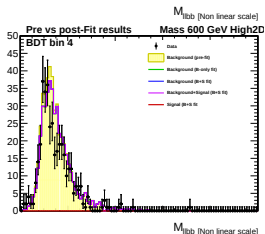
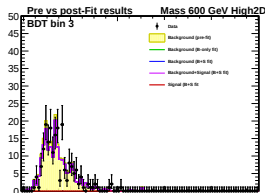
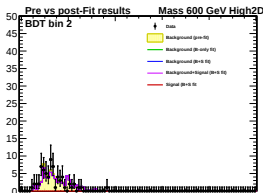
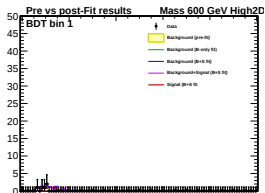


Pre vs Post fit plots M 600 GeV



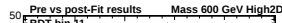
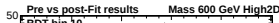
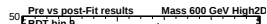
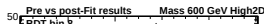


Pre vs Post fit plots M 600 GeV



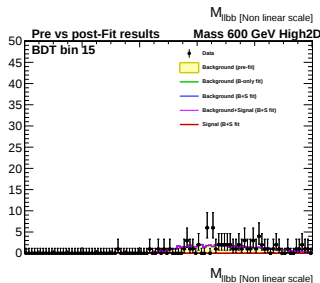
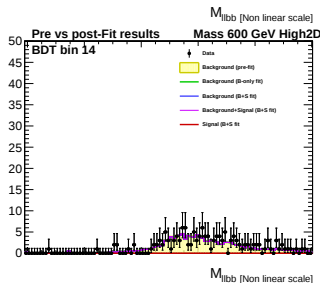
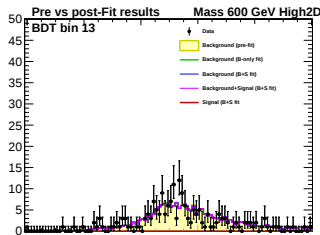
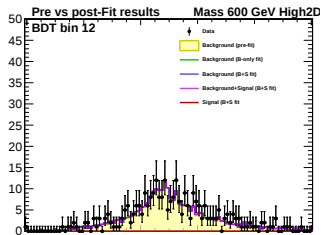


Pre vs post-Fit results Mass 600 GeV High2D



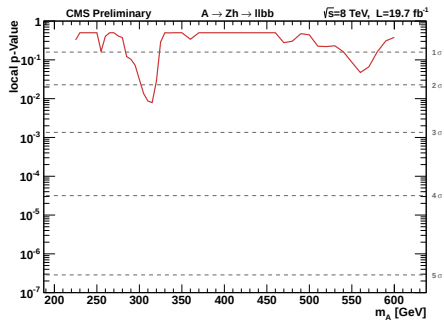
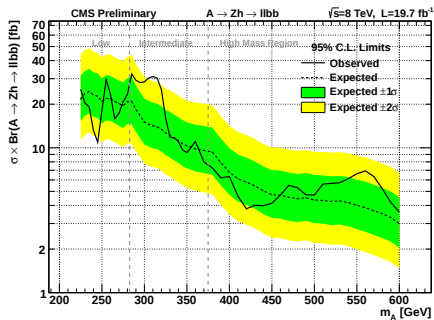


Pre vs Post fit plots M 600 GeV



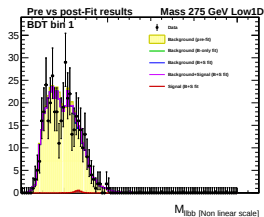
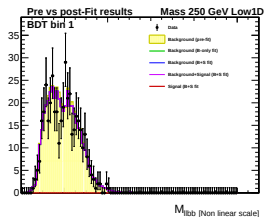
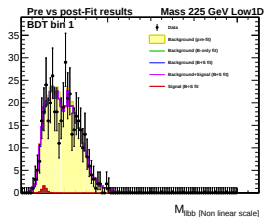


1D fit: $BDT > 0.8$ fit ont $M_{\ell\ell b\bar{b}}$





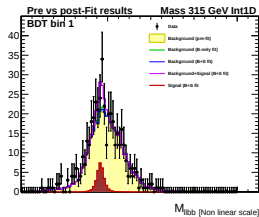
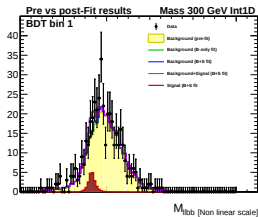
Pre vs Post fit plots 1D



oo



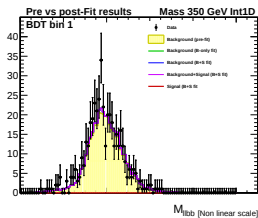
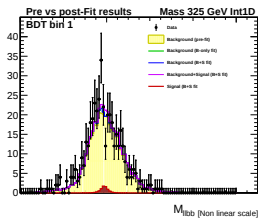
Pre vs Post fit plots 1D



oo

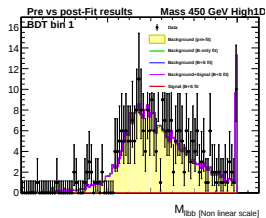
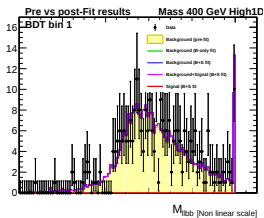
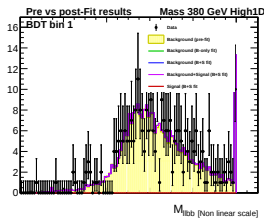


Pre vs Post fit plots 1D





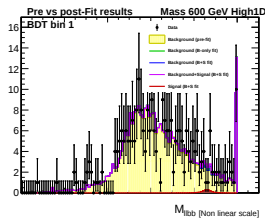
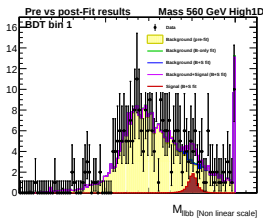
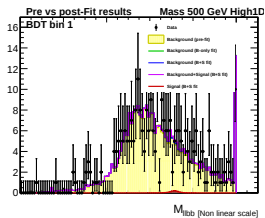
Pre vs Post fit plots 1D



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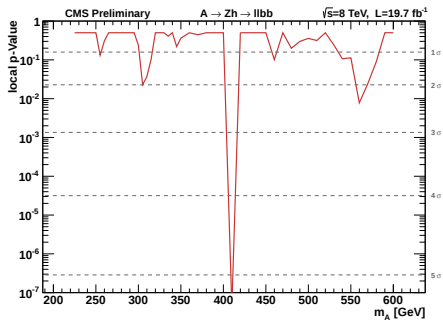
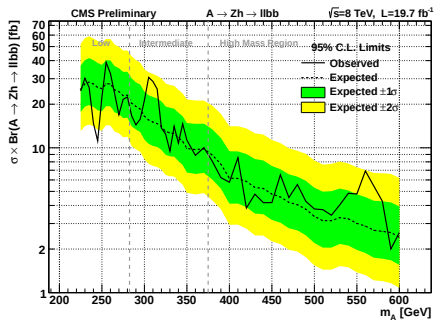


Pre vs Post fit plots 1D





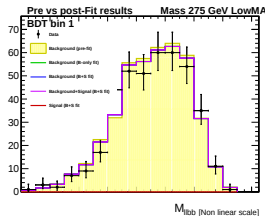
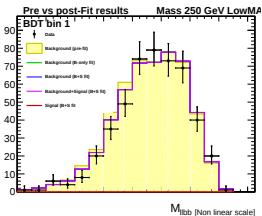
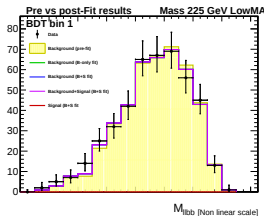
1D fit: $M_{\ell\ell b\bar{b}}$ close to M_A : fit on BDT



oo



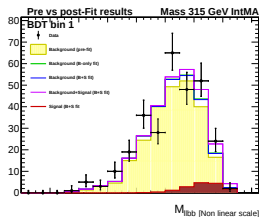
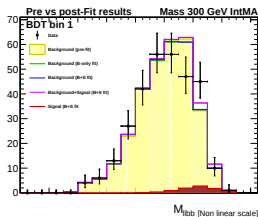
Pre vs Post fit plots MA



oo



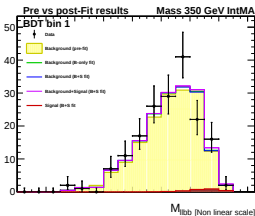
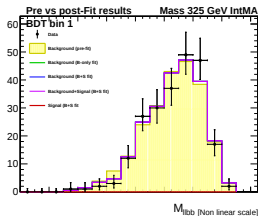
Pre vs Post fit plots MA



oo



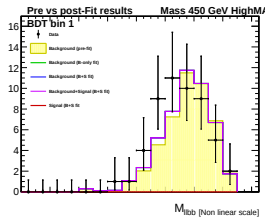
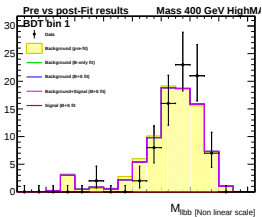
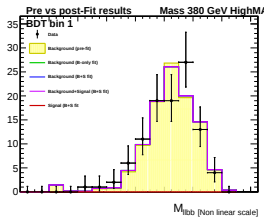
Pre vs Post fit plots MA



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Pre vs Post fit plots MA



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Pre vs Post fit plots MA

