



Outline



1 2D Fit rebinned

- M225
- M250
- M275
- M300
- M315
- M325
- M350
- M380
- M400
- M450
- M500
- M600

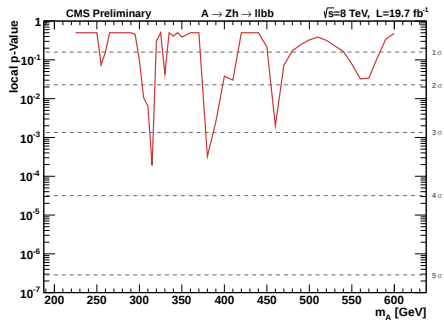
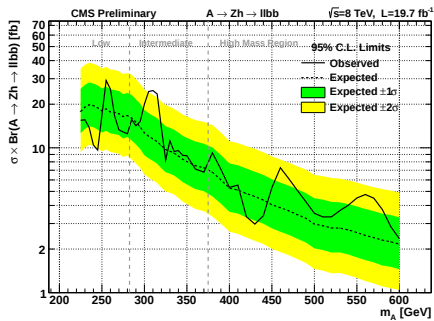
2 1D Fit rebinned

3 MA Fit rebinned

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2D fit



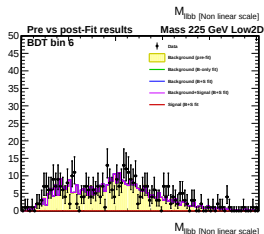
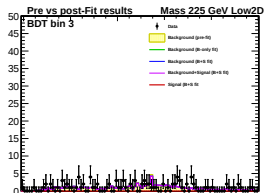


Pre vs post-Fit results Mass 225 GeV Low2D



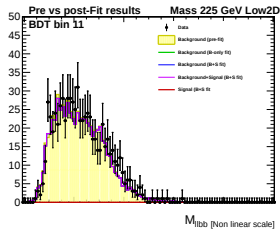
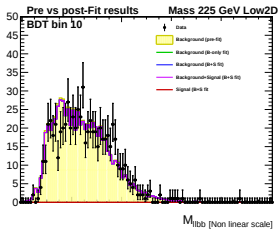
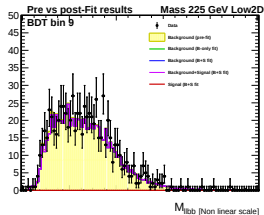
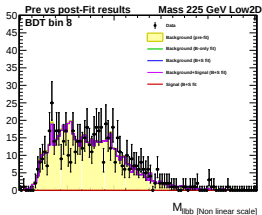
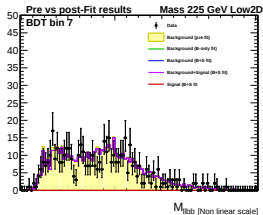


Pre vs Post fit plots M 225 GeV



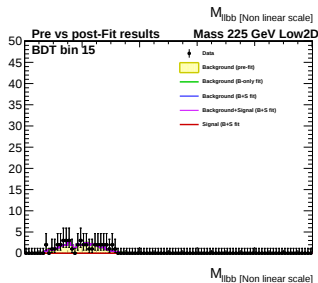
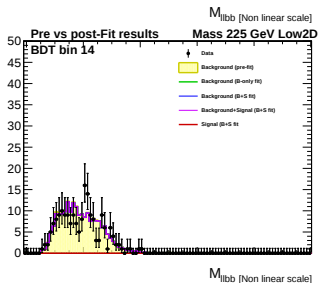
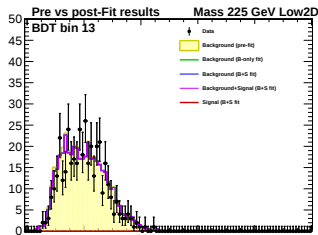
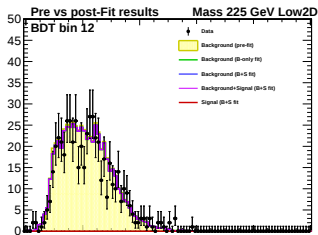


Pre vs Post fit plots M 225 GeV





Pre vs Post fit plots M 225 GeV



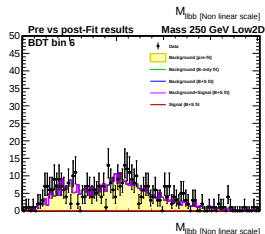
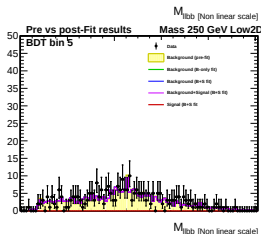
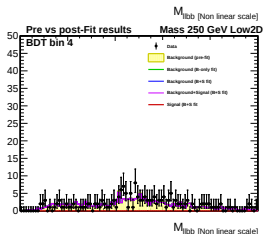
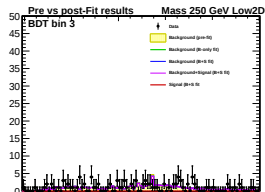
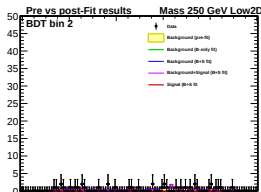
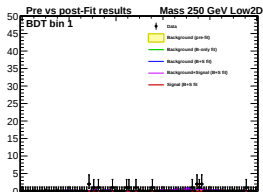


Pre vs post-Fit results Mass 250 GeV Low2D



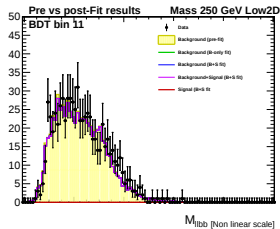
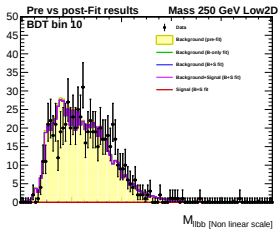
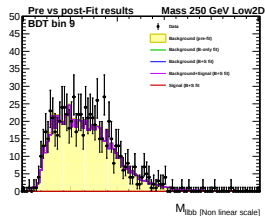
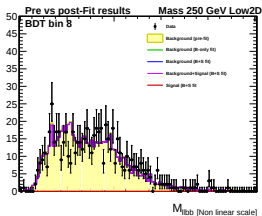
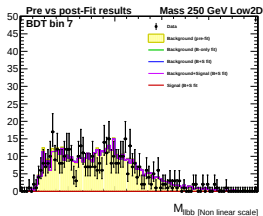


Pre vs Post fit plots M 250 GeV





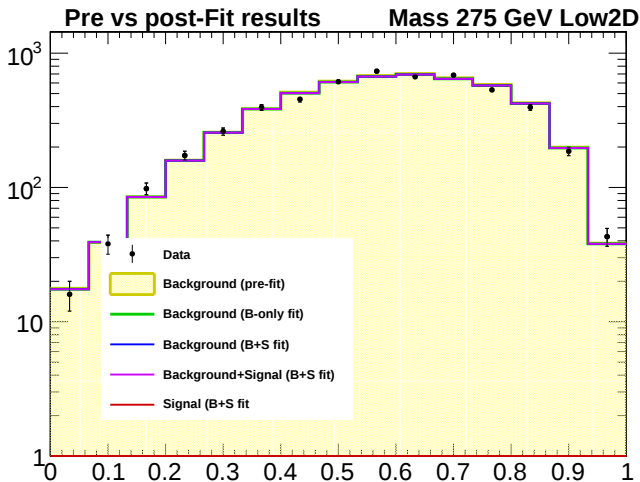
Pre vs Post fit plots M 250 GeV







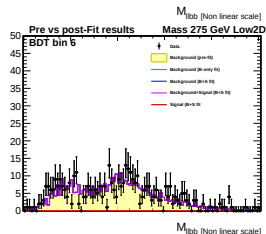
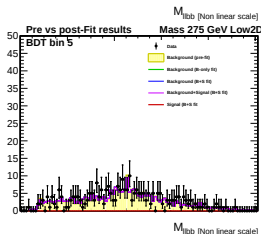
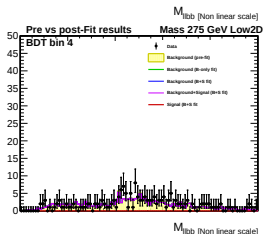
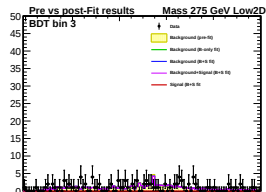
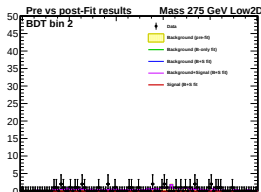
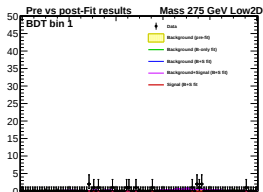
Pre vs Post fit plots M 275 GeV



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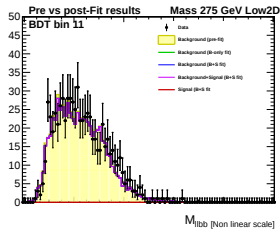
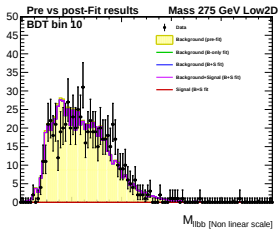
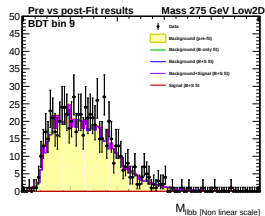
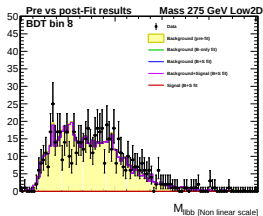
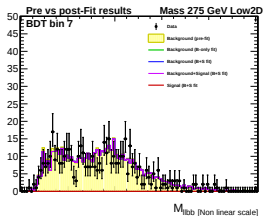
Pre vs Post fit plots M 275 GeV



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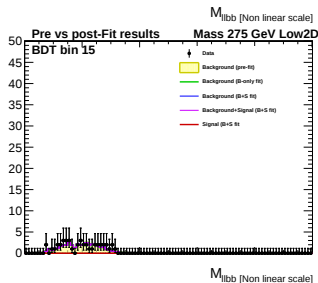
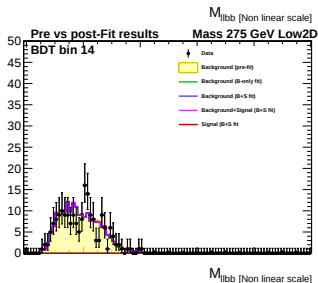
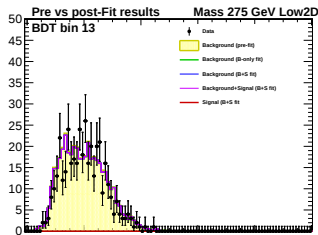
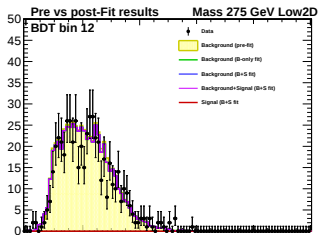
Pre vs Post fit plots M 275 GeV



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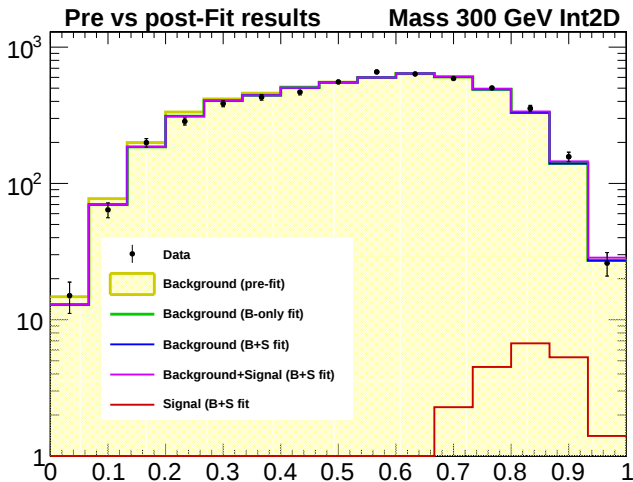


Pre vs Post fit plots M 275 GeV





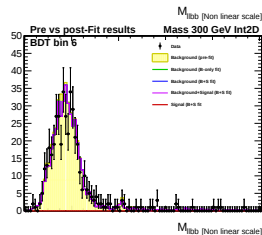
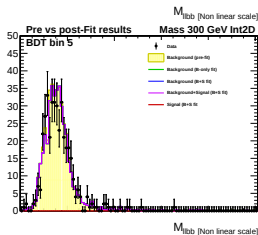
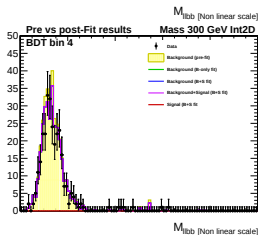
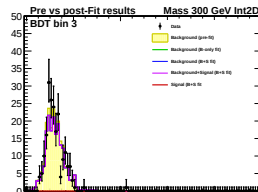
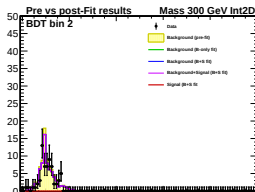
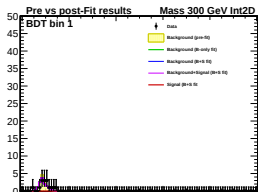
Pre vs Post fit plots M 300 GeV



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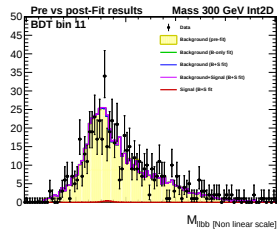
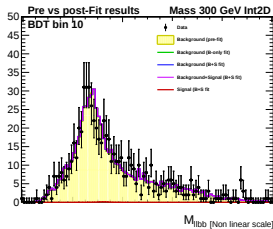
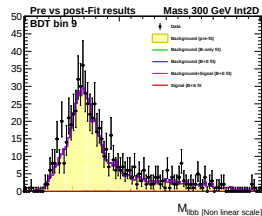
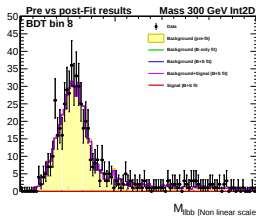
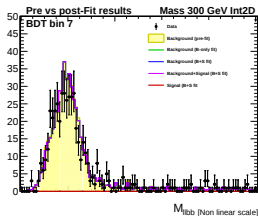
Pre vs Post fit plots M 300 GeV



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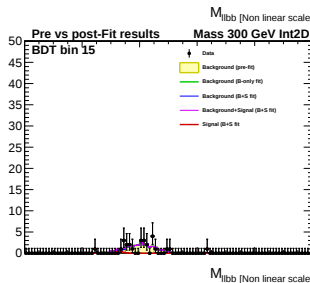
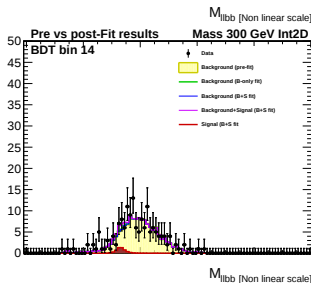
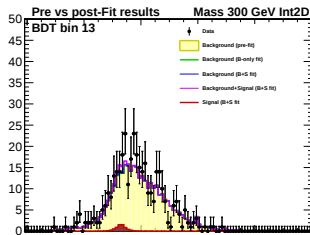
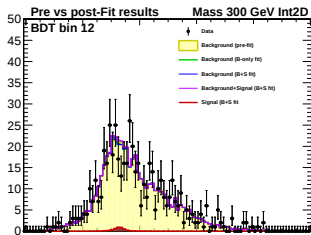
Pre vs Post fit plots M 300 GeV



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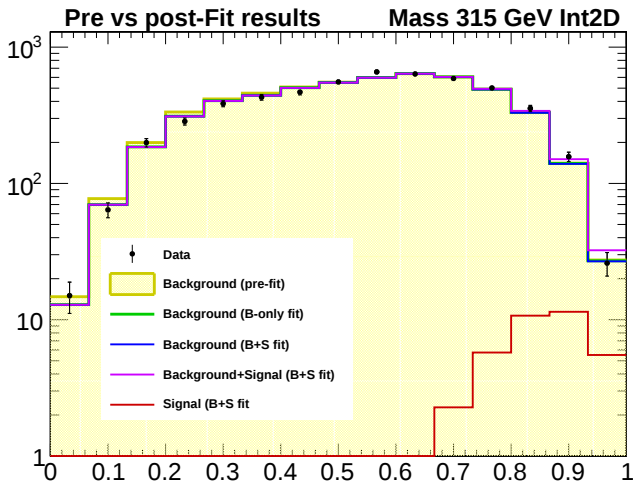


Pre vs Post fit plots M 300 GeV





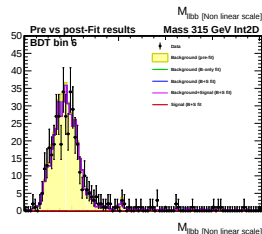
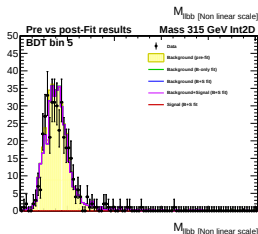
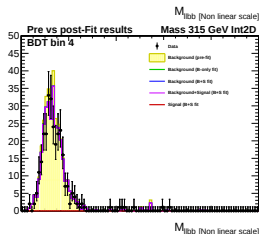
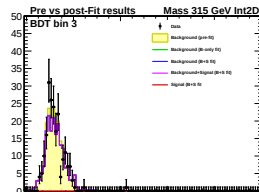
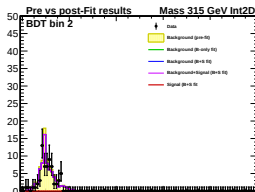
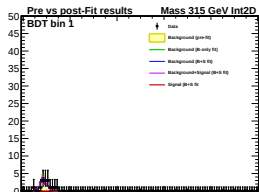
Pre vs Post fit plots M 315 GeV



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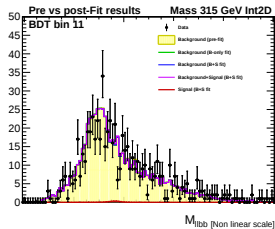
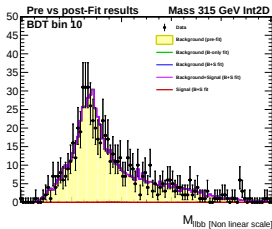
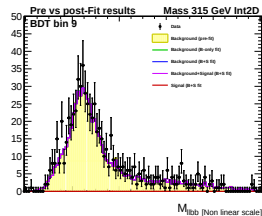
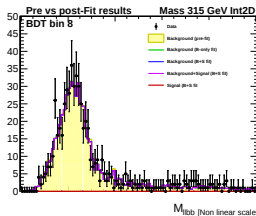
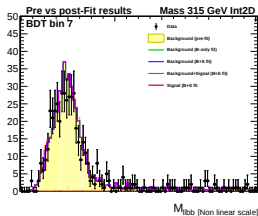
Pre vs Post fit plots M 315 GeV



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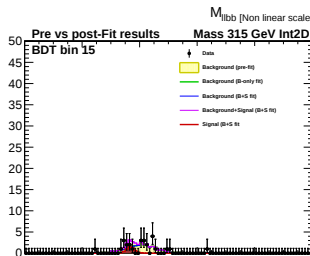
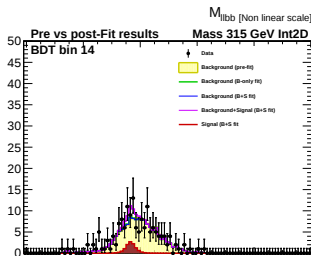
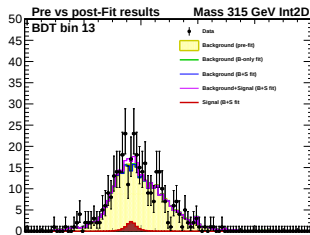
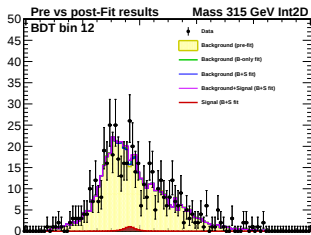


Pre vs Post fit plots M 315 GeV





Pre vs Post fit plots M 315 GeV

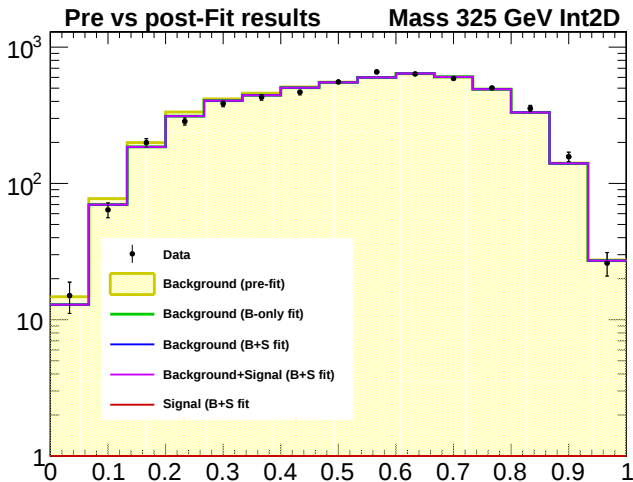


M_{lbb} [Non linear scale]

M_{lbb} [Non linear scale]



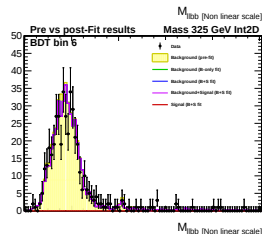
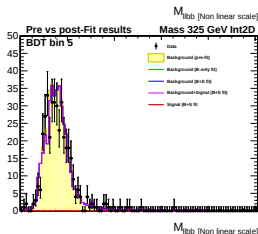
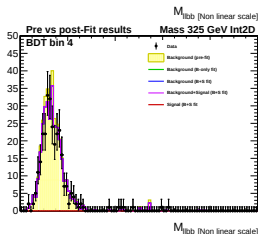
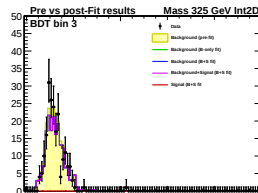
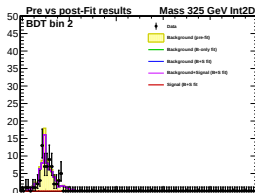
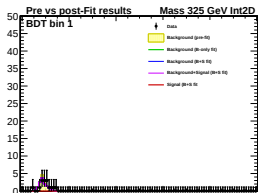
Pre vs Post fit plots M 325 GeV



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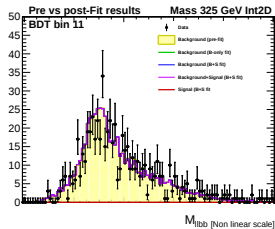
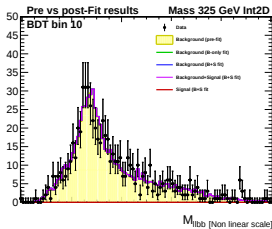
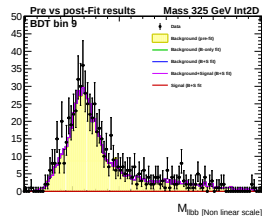
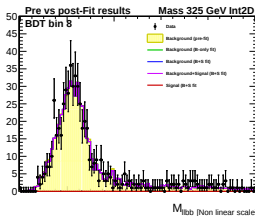
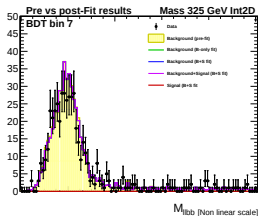
Pre vs Post fit plots M 325 GeV



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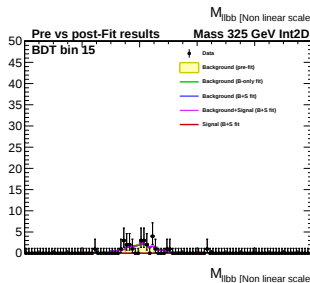
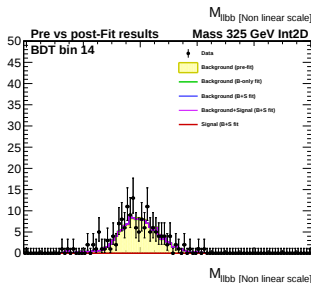
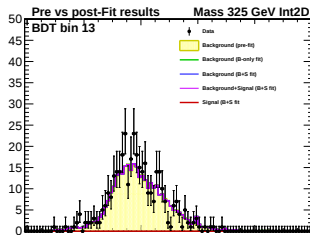
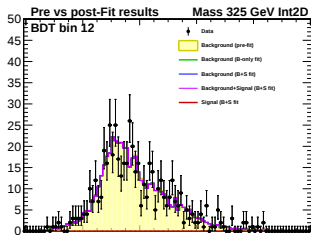
Pre vs Post fit plots M 325 GeV



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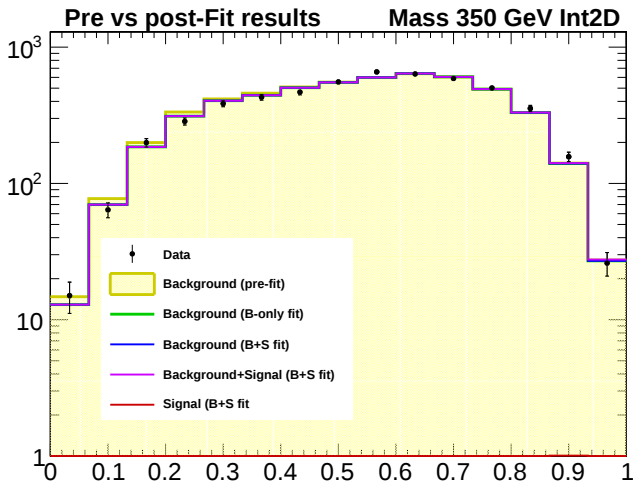


Pre vs Post fit plots M 325 GeV





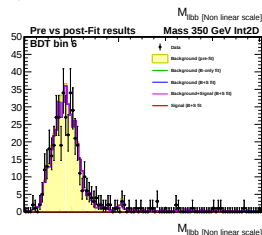
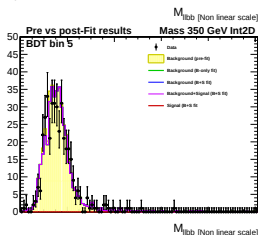
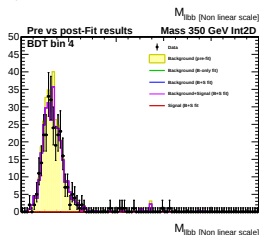
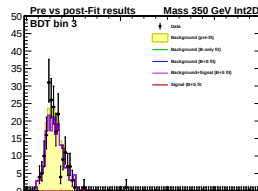
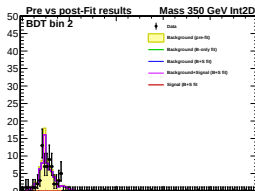
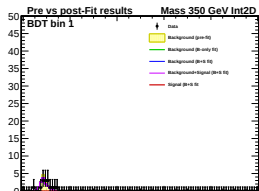
Pre vs Post fit plots M 350 GeV



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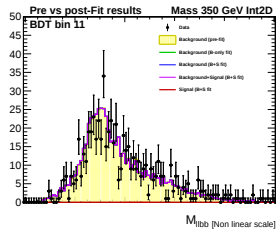
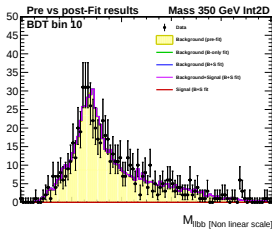
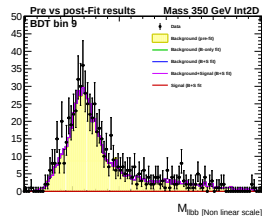
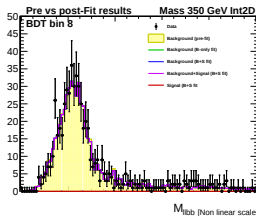
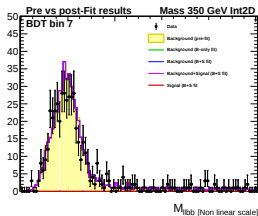
Pre vs Post fit plots M 350 GeV



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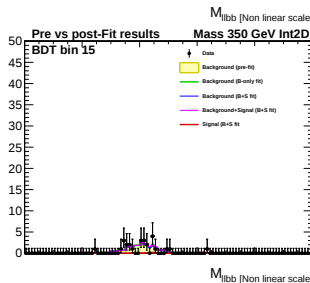
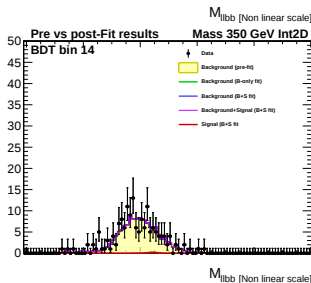
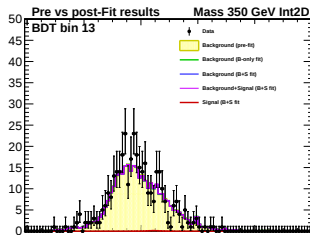
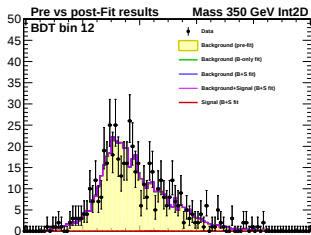


Pre vs Post fit plots M 350 GeV



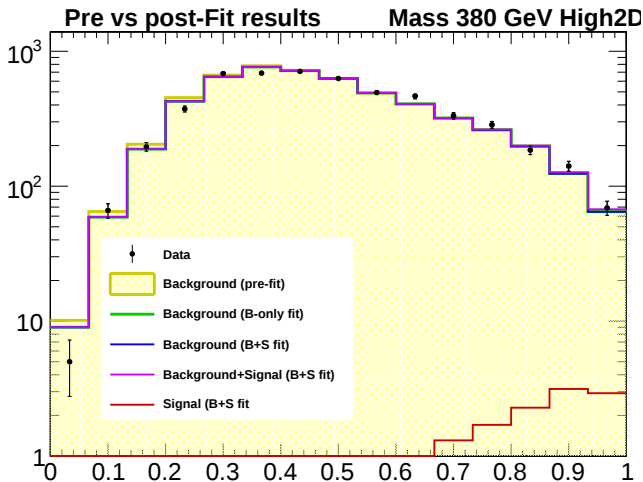


Pre vs Post fit plots M 350 GeV





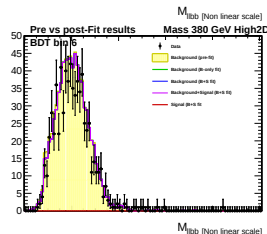
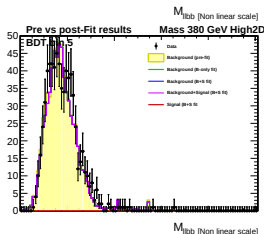
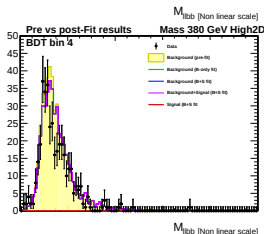
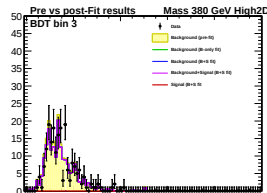
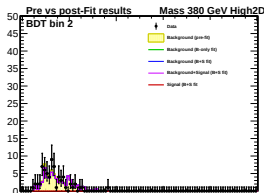
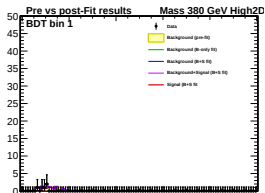
Pre vs Post fit plots M 380 GeV



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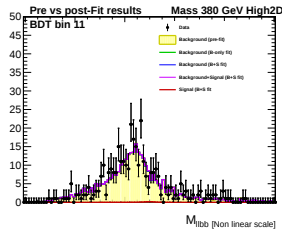
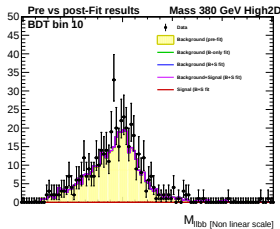
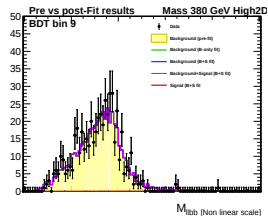
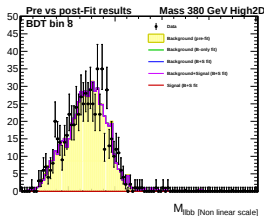
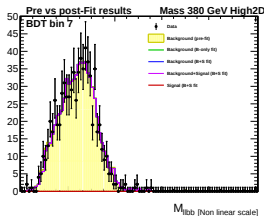
Pre vs Post fit plots M 380 GeV



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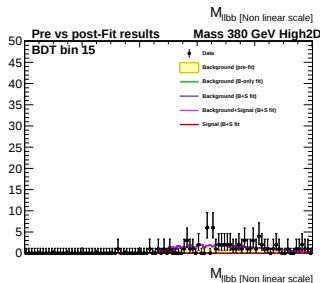
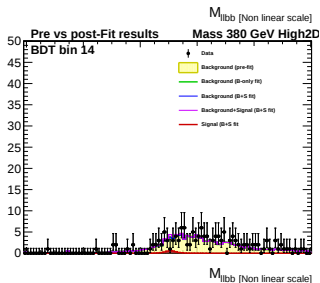
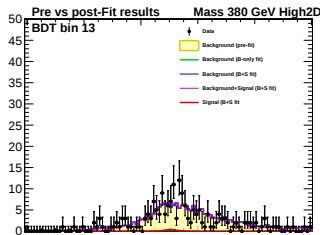
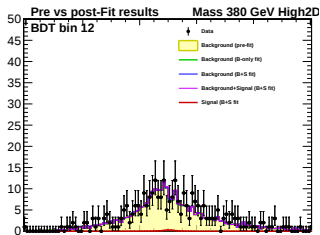
Pre vs Post fit plots M 380 GeV



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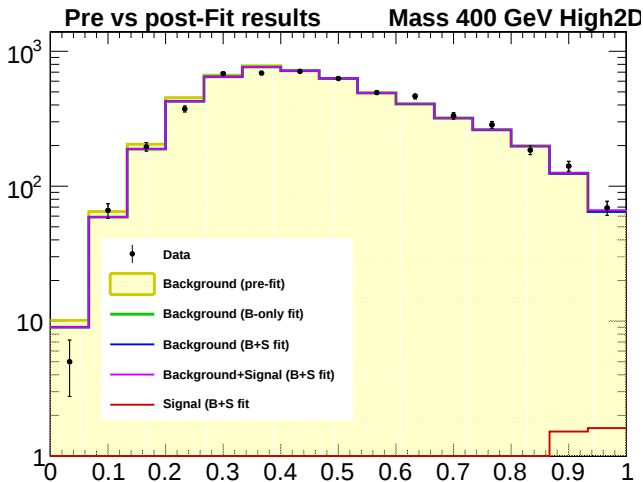


Pre vs Post fit plots M 380 GeV





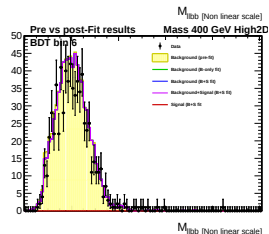
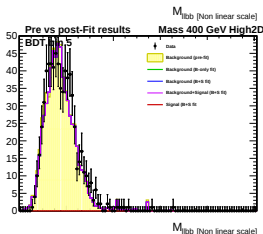
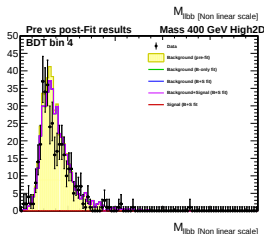
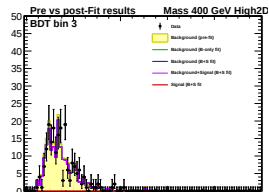
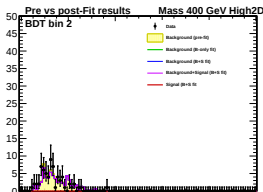
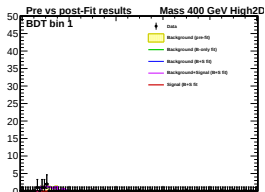
Pre vs Post fit plots M 400 GeV



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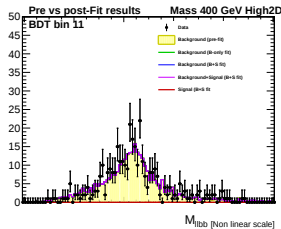
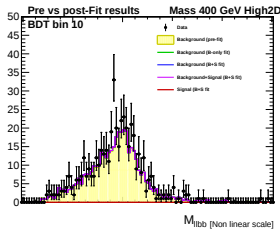
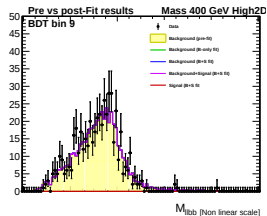
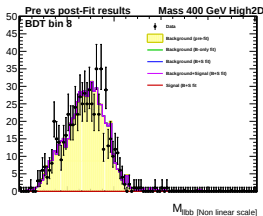
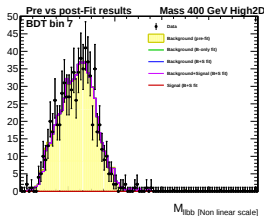
Pre vs Post fit plots M 400 GeV



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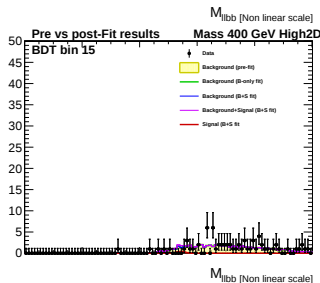
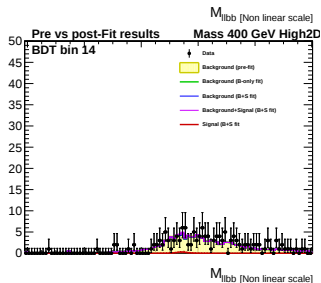
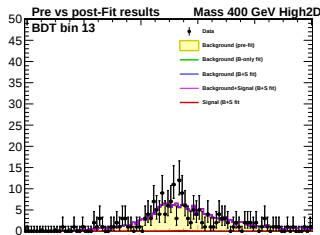
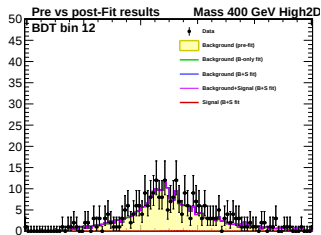
Pre vs Post fit plots M 400 GeV



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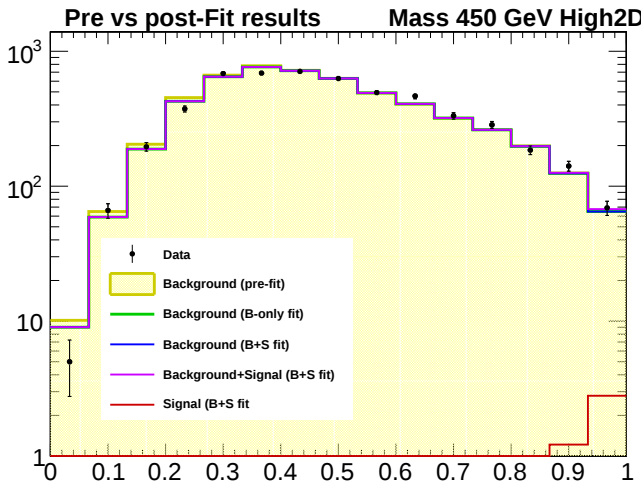


Pre vs Post fit plots M 400 GeV



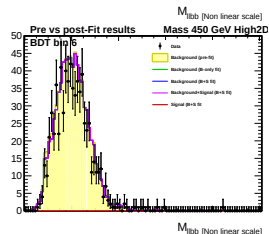
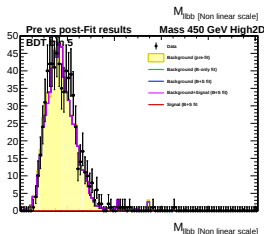
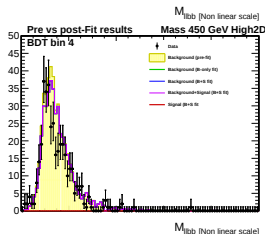
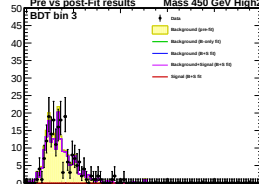
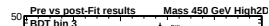
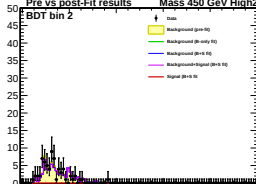
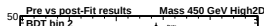
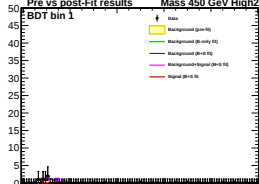


Pre vs Post fit plots M 450 GeV





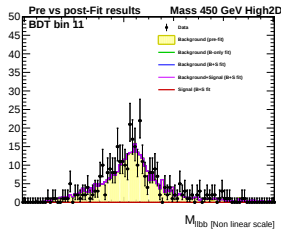
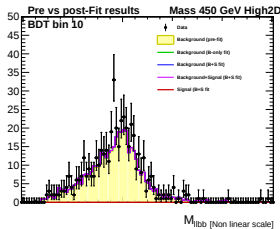
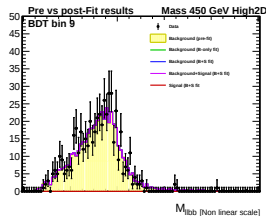
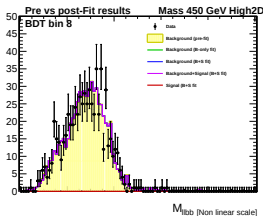
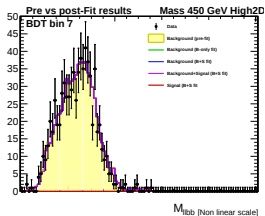
Pre vs post-Fit results Mass 450 GeV High2D



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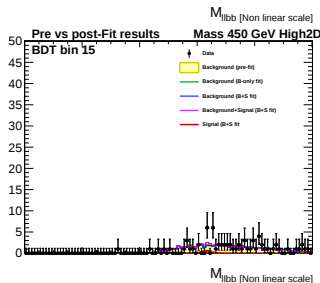
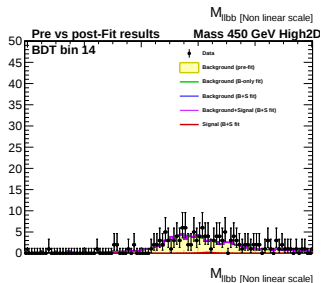
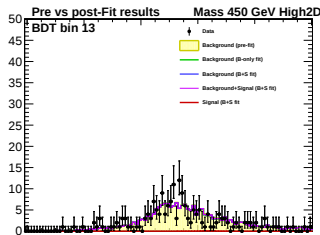
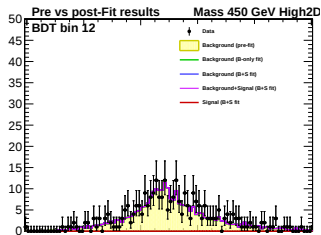
Pre vs Post fit plots M 450 GeV



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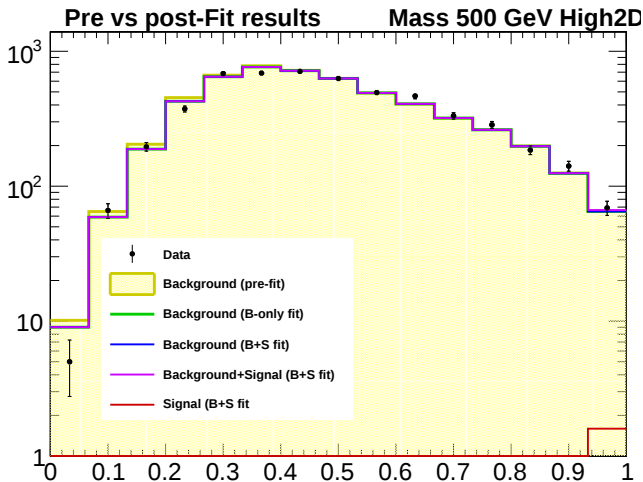


Pre vs Post fit plots M 450 GeV



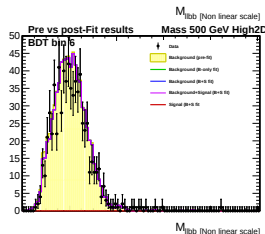
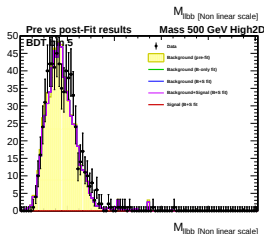
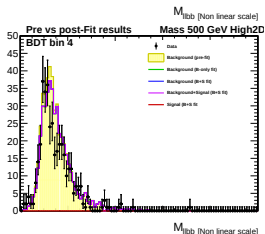
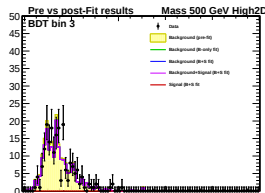
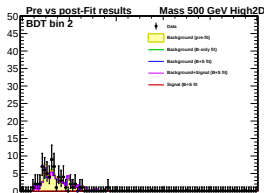
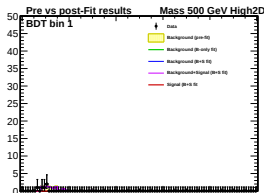


Pre vs Post fit plots M 500 GeV





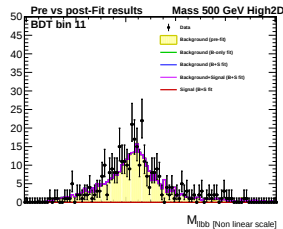
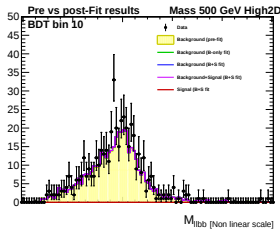
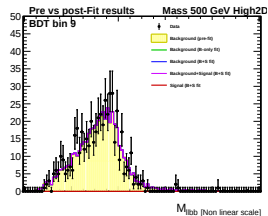
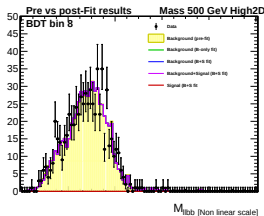
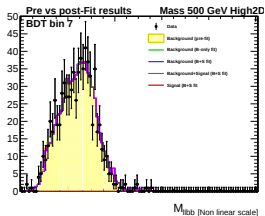
Pre vs Post fit plots M 500 GeV



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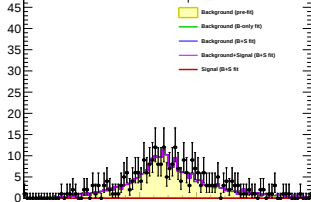
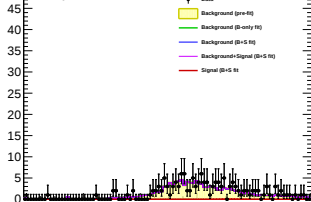
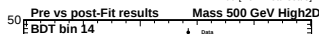
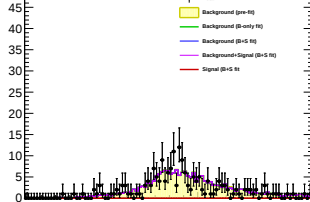
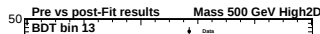
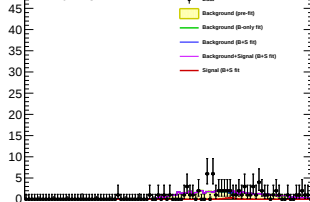
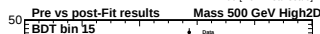


Pre vs Post fit plots M 500 GeV



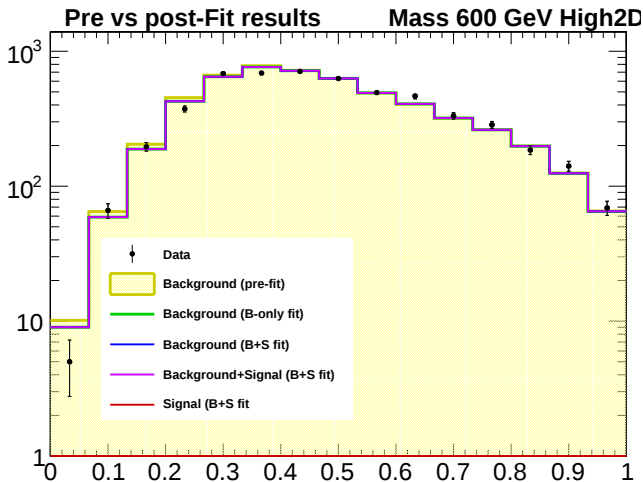


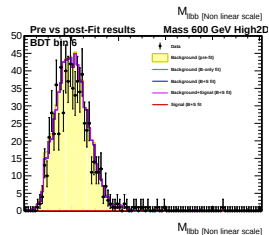
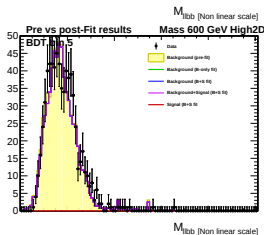
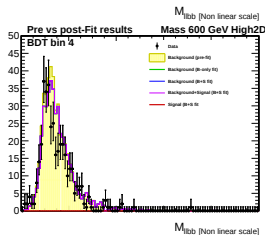
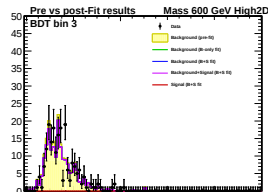
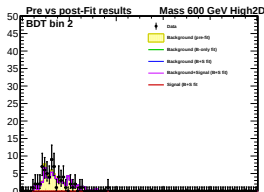
Pre vs post-Fit results Mass 500 GeV High2D

M_{llbb} [Non linear scale] M_{Ibb} [Non linear scale]M_{llbb} [Non linear scale] M_{llbb} [Non linear scale]



Pre vs Post fit plots M 600 GeV

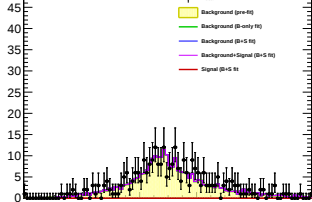
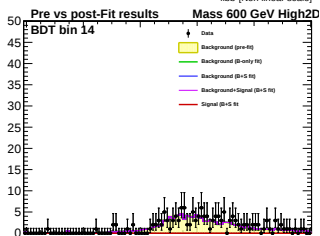
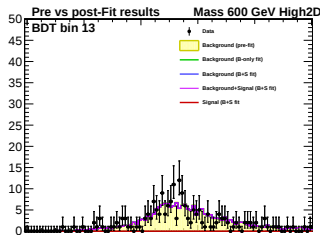
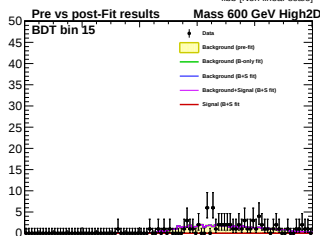








Pre vs post-Fit results Mass 600 GeV High2D

M_{lbb} [Non linear scale] M_{Ibb} [Non linear scale] M_{lbb} [Non linear scale] M_{lbb} [Non linear scale]



Outline



1 2D Fit rebinned

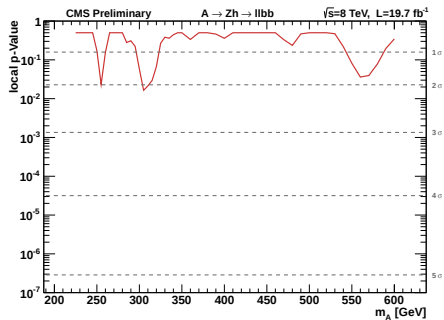
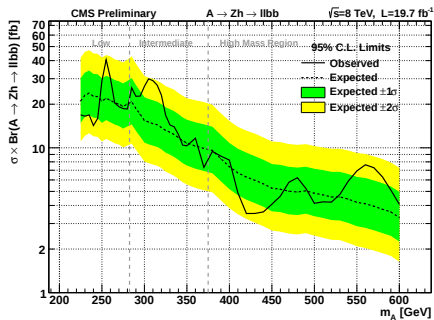
- M225
- M250
- M275
- M300
- M315
- M325
- M350
- M380
- M400
- M450
- M500
- M600

2 1D Fit rebinned

3 MA Fit rebinned

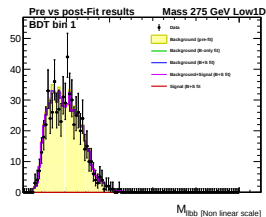
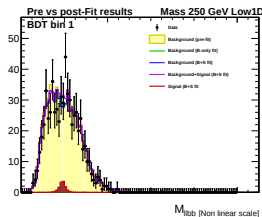
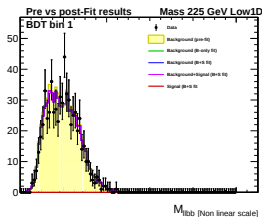


1D fit: $BDT > 0.8$ fit on $M_{\ell\ell b\bar{b}}$





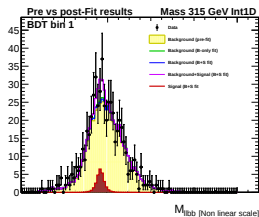
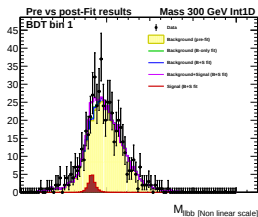
Pre vs Post fit plots 1D



oo



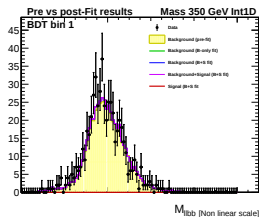
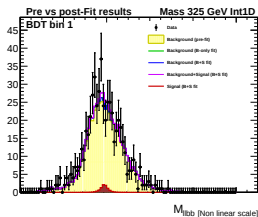
Pre vs Post fit plots 1D



oo



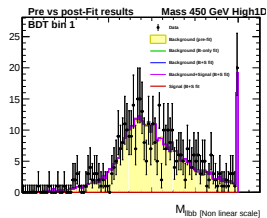
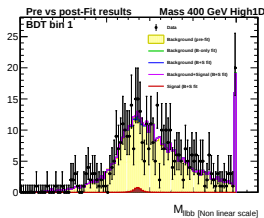
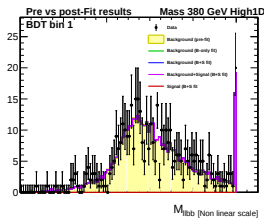
Pre vs Post fit plots 1D



oo



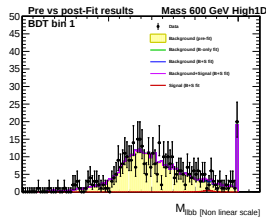
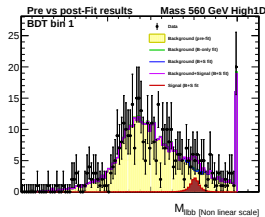
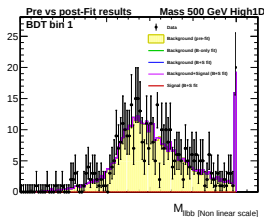
Pre vs Post fit plots 1D



oo



Pre vs Post fit plots 1D





Outline



1 2D Fit rebinned

- M225
- M250
- M275
- M300
- M315
- M325
- M350
- M380
- M400
- M450
- M500
- M600

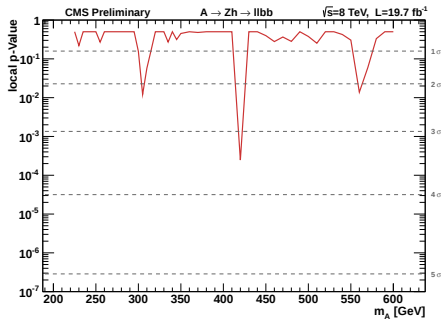
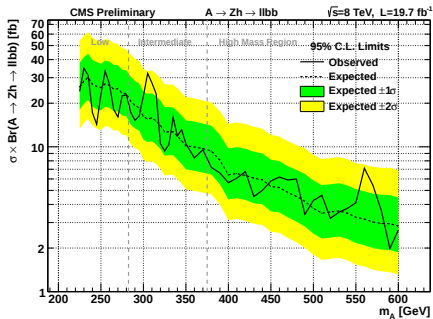
2 1D Fit rebinned

3 MA Fit rebinned

oo



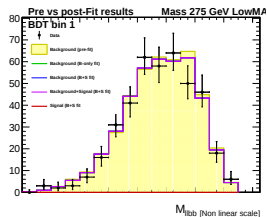
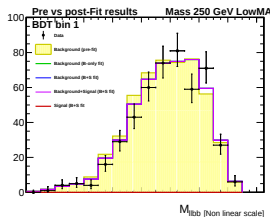
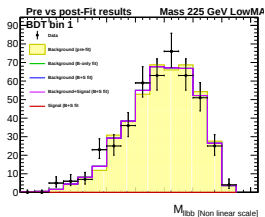
1D fit: $M_{\ell\ell b\bar{b}}$ close to M_A : fit on BDT



oo



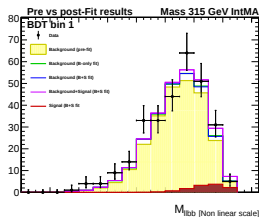
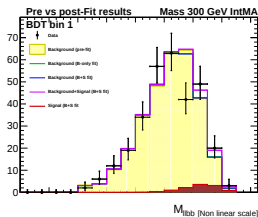
Pre vs Post fit plots MA



oo

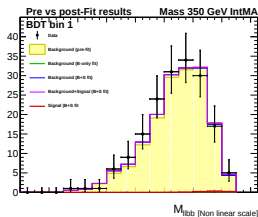
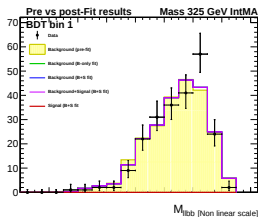


Pre vs Post fit plots MA





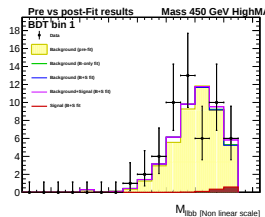
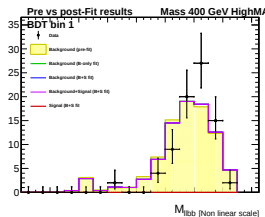
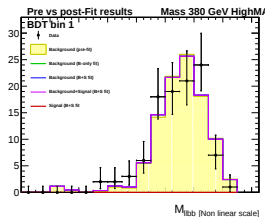
Pre vs Post fit plots MA



oo



Pre vs Post fit plots MA



oo



Pre vs Post fit plots MA

