

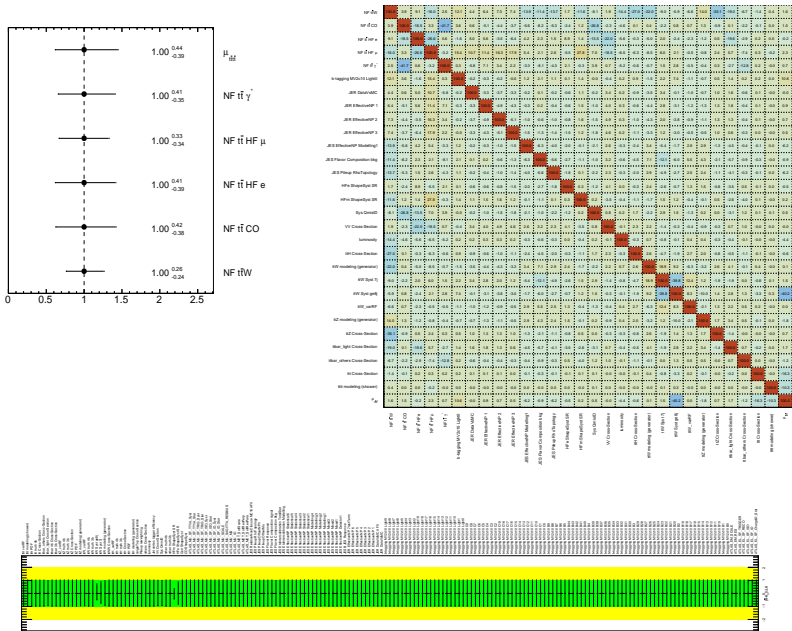
Recent Work

MENG-JU TSAI, ZHI ZHENG, JIANMING QIAN

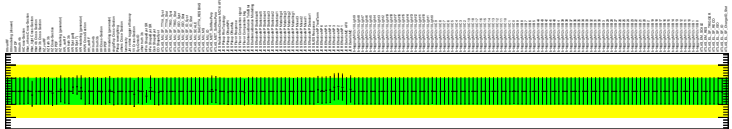
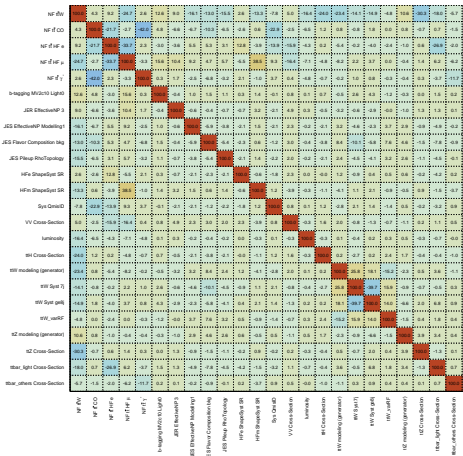
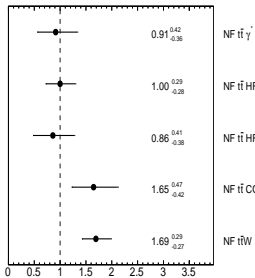
June 8, 2020

Fit results

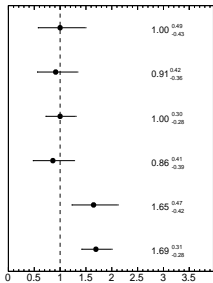
SM 4tops Plain Asimov Fit



SM/BSM Real CR-Only Fit

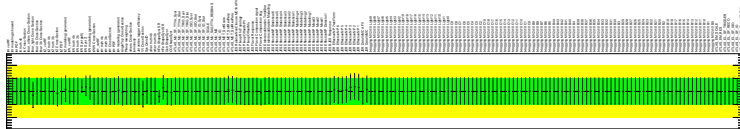
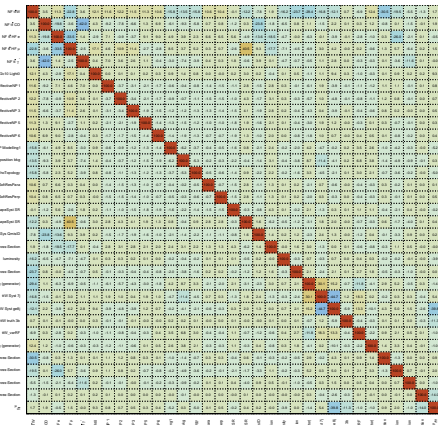


SM Realistic Asimov Fit

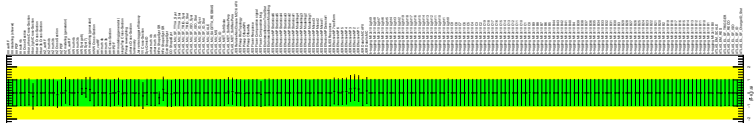
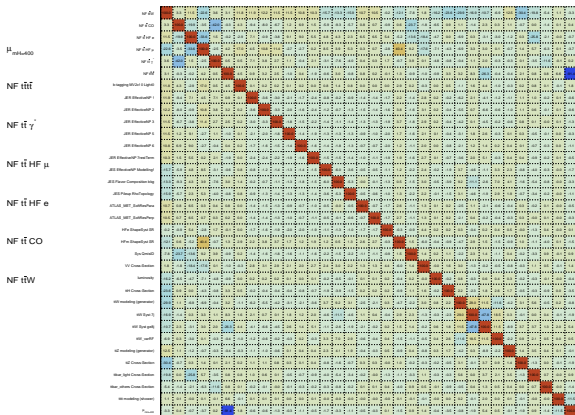
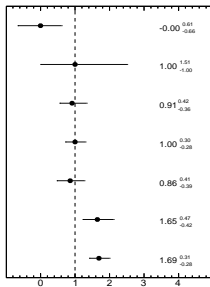
 $NF\ t\bar{t}\ \gamma$
$$NF \, t\bar{t} \, HF \, \mu$$
$$NF \vdash \bar{t} \vdash HF \vdash e$$

NF tĩ CO

NF tEW



1

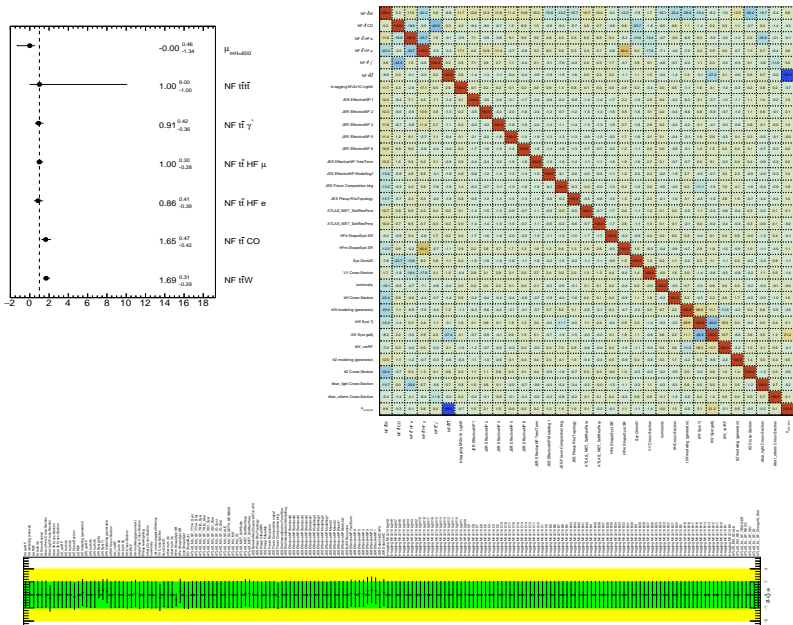


1

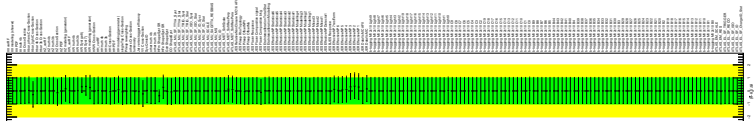
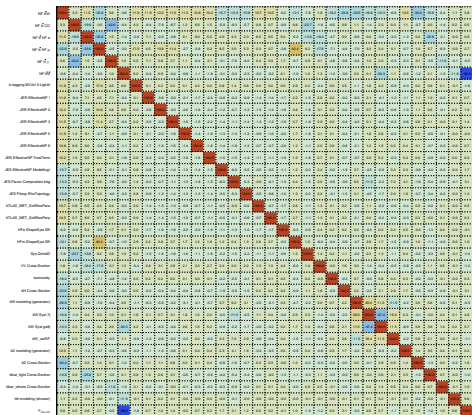
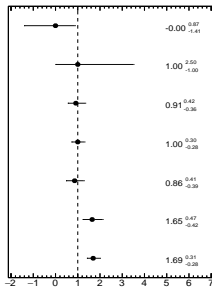


Realistic Asimov HT Fit - mH600 - Free Float NF_tttt w/ nominal

1



1



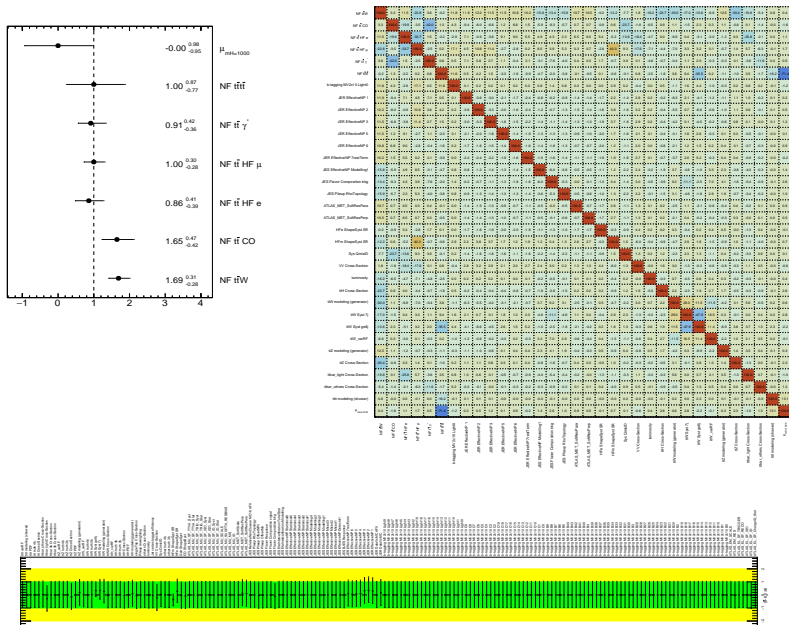
1



1

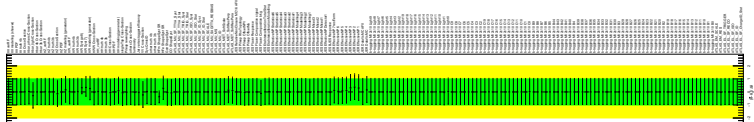
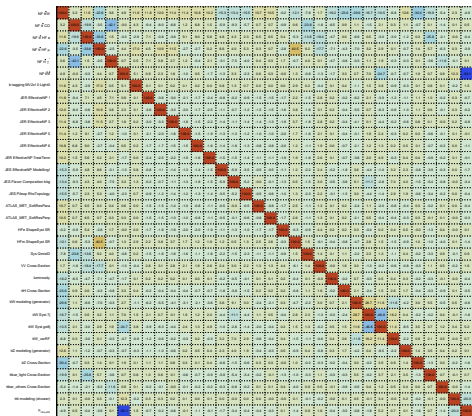
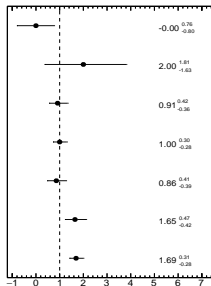


Realistic Asimov HT Fit - mH1000 - Free Float NF_tttt w/
nominal 1



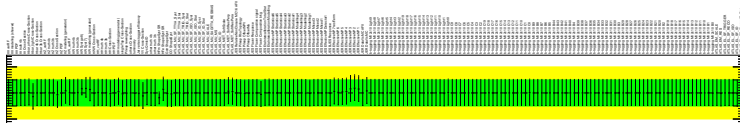
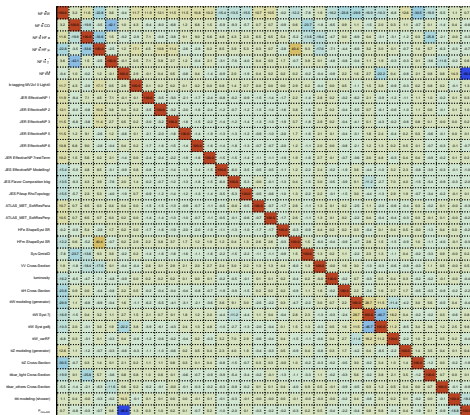
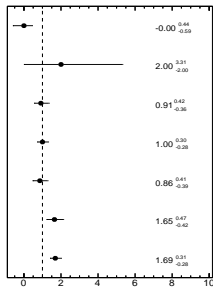
Realistic Asimov HT Fit - mH400 - Free Float NF_tttt w/ nominal

2



Realistic Asimov HT Fit - mH500 - Free Float NF_tttt w/ nominal

2



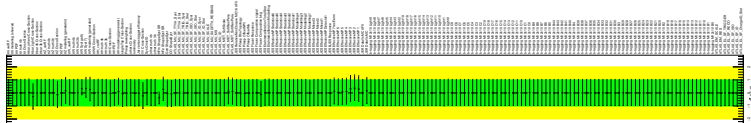
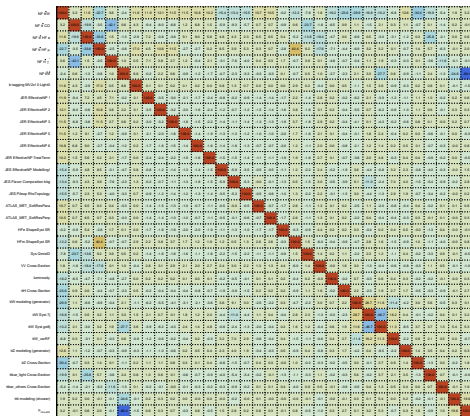
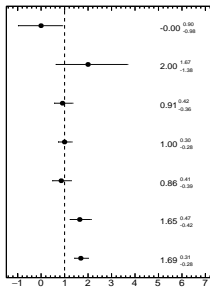
2



2

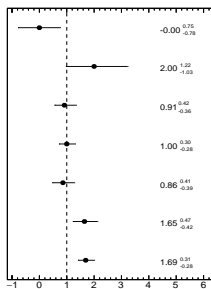


2



Realistic Asimov HT Fit - mH900 - Free Float NF_tttt w/ nominal

2



μ_{mH900}

NF $t\bar{t}t$

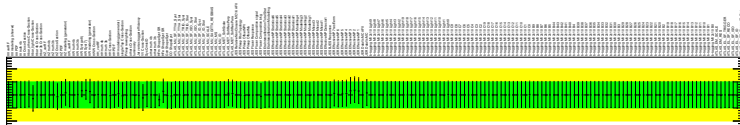
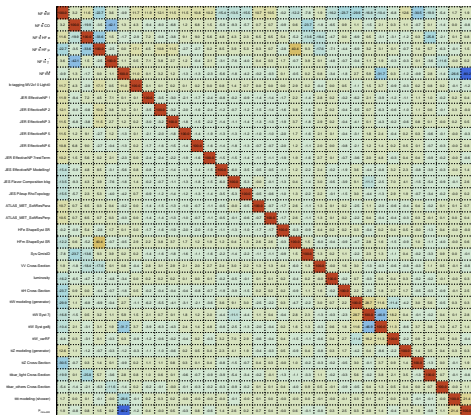
NF $t\bar{t}t \gamma$

NF $t\bar{t}t \text{ HF } \mu$

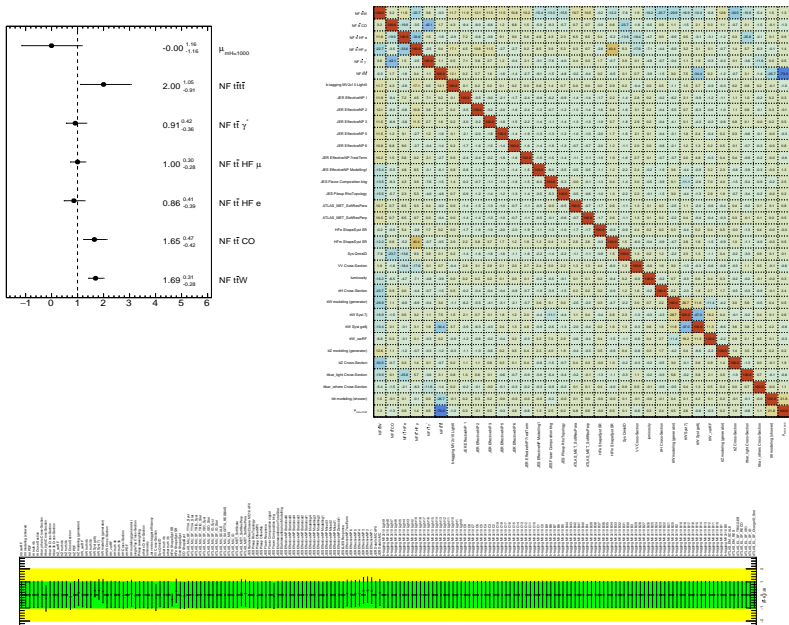
NF $t\bar{t}t \text{ HF } e$

NF $t\bar{t}t \text{ CO}$

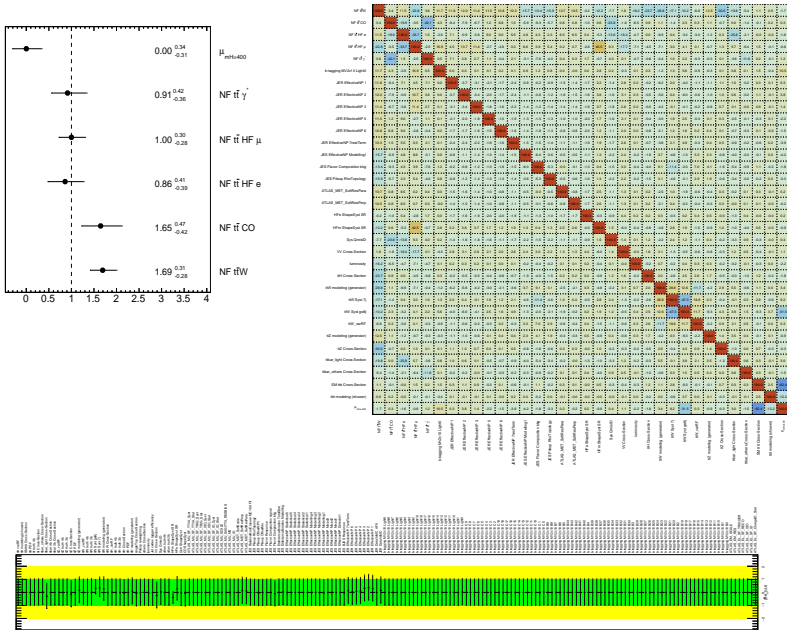
NF $t\bar{t}t$



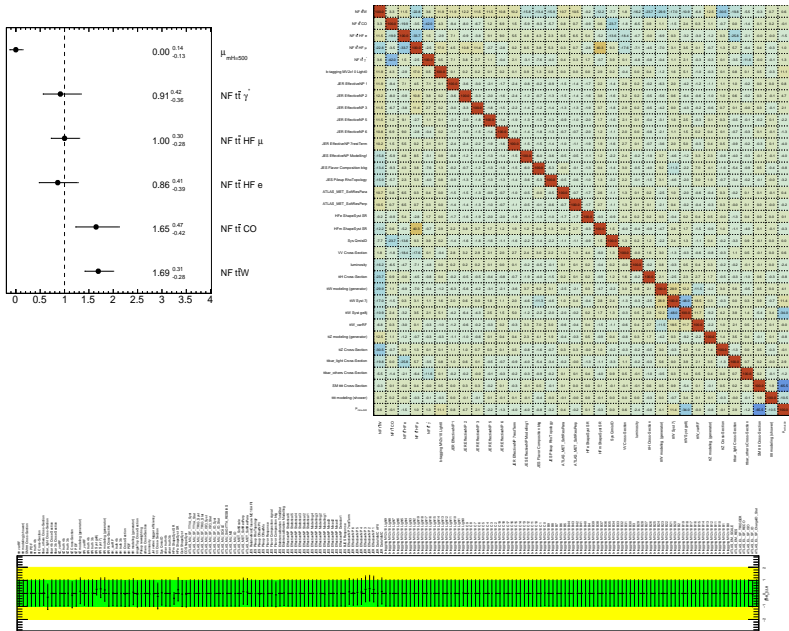
Realistic Asimov HT Fit - mH1000 - Free Float NF_tttt w/
nominal 2



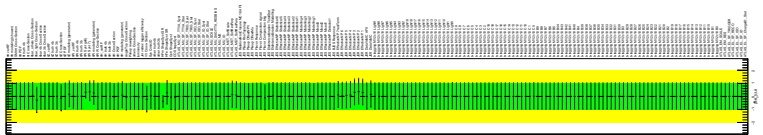
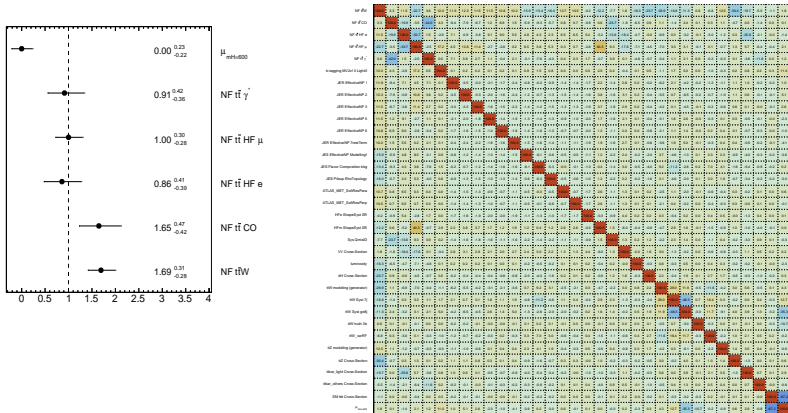
Realistic Asimov HT Fit - mH400 - 50% tttt_Xsec, NF_tttt=1



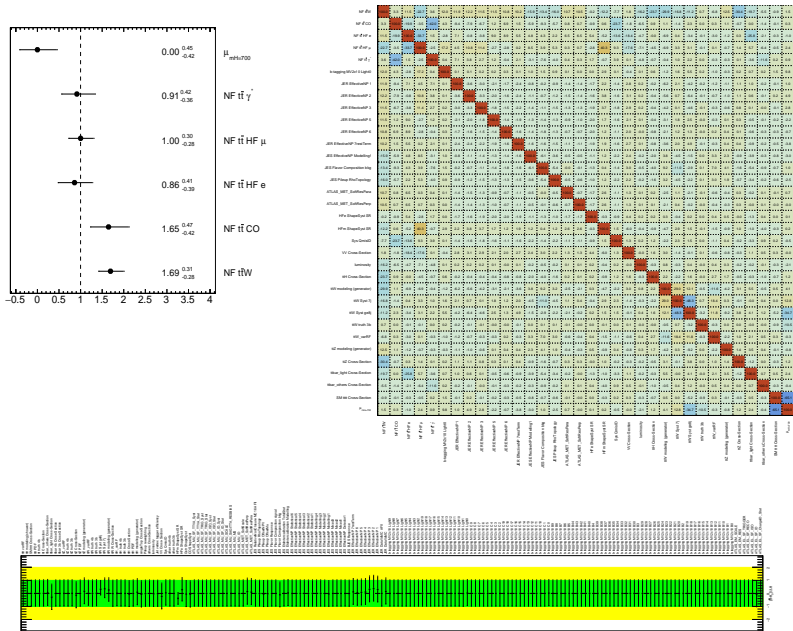
Realistic Asimov HT Fit - mH500 - 50% tttt_Xsec, NF_tttt=1



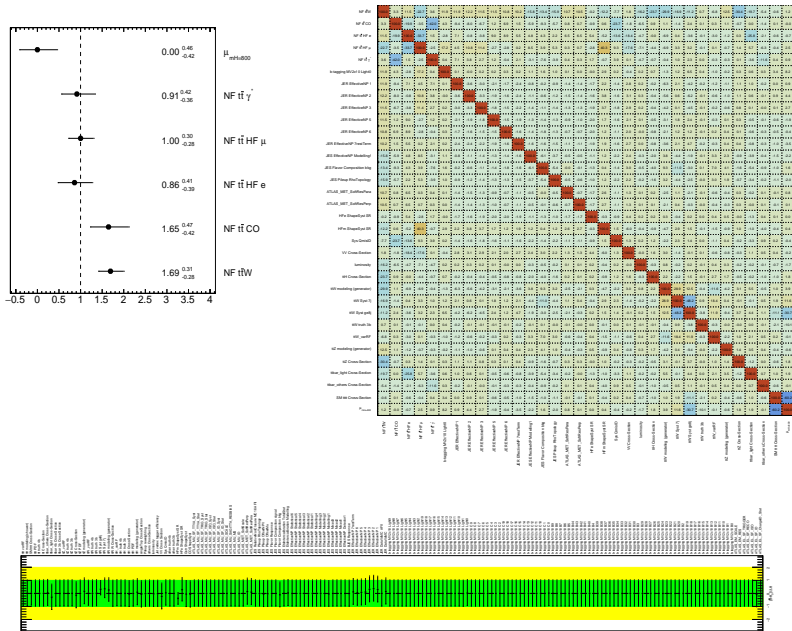
Realistic Asimov HT Fit - mH600 - 50% tttt_Xsec, NF_tttt=1



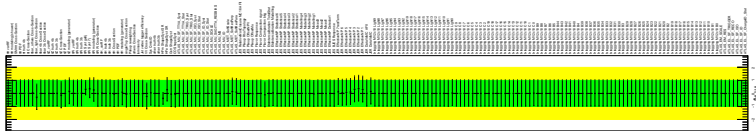
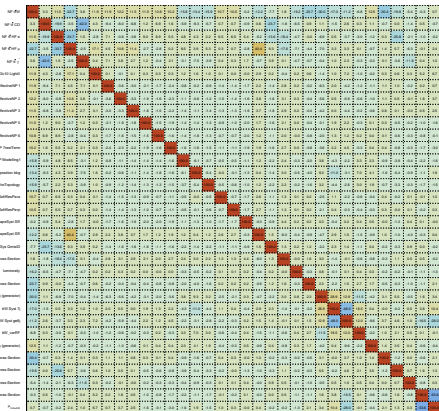
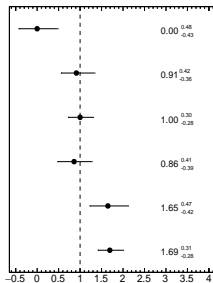
Realistic Asimov HT Fit - mH700 - 50% tttt_Xsec, NF_tttt=1



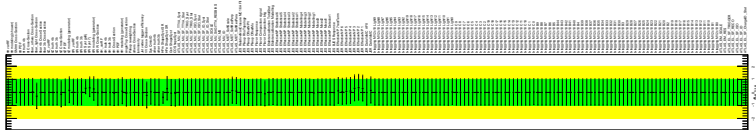
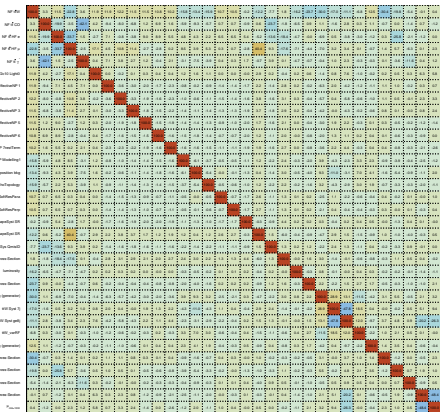
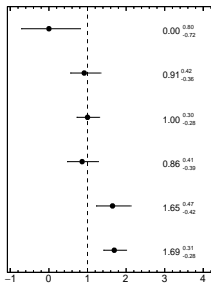
Realistic Asimov HT Fit - mH800 - 50% tttt_Xsec, NF_tttt=1



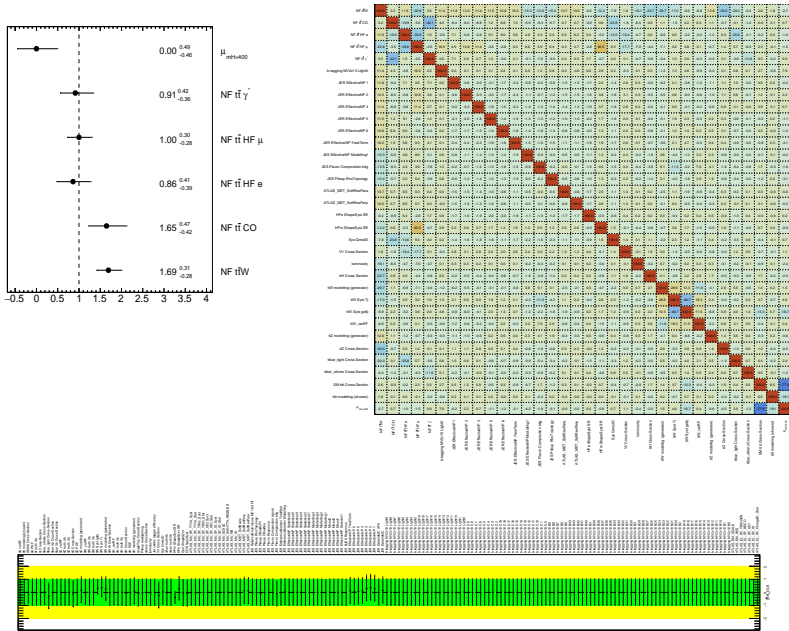
Realistic Asimov HT Fit - mH900 - 50% tttt_Xsec, NF_tttt=1



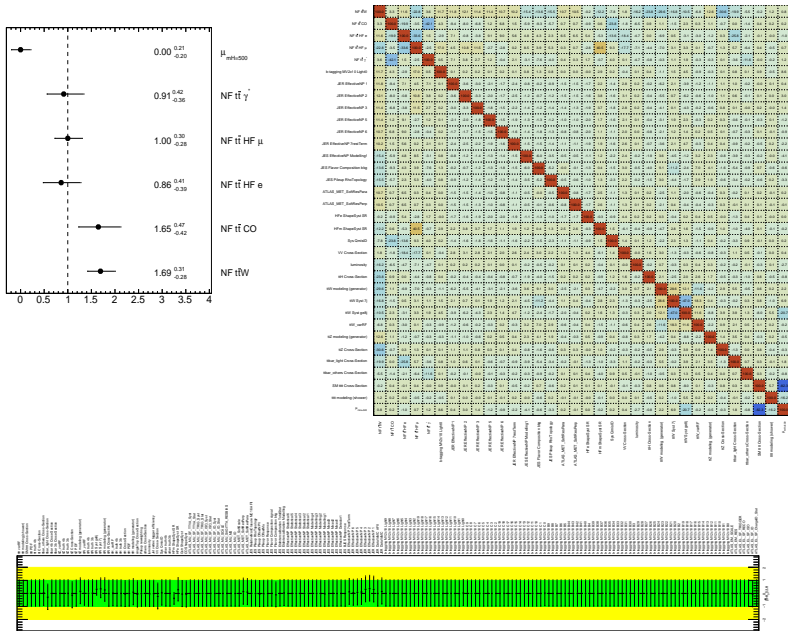
Realistic Asimov HT Fit - mH1000 - 50% tttt_Xsec, NF_tttt=1



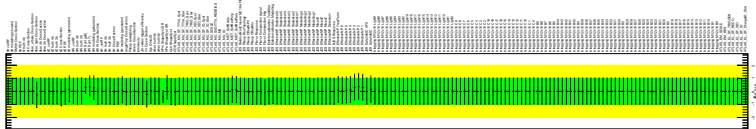
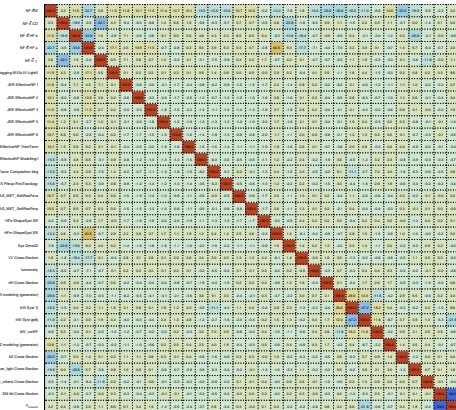
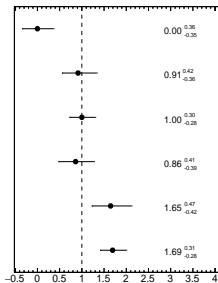
Realistic Asimov HT Fit - mH400 - 50% tttt_Xsec, NF_tttt=2



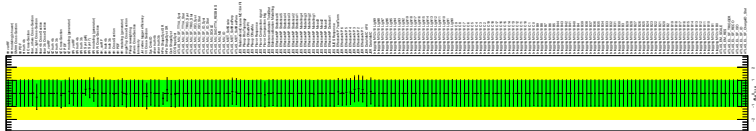
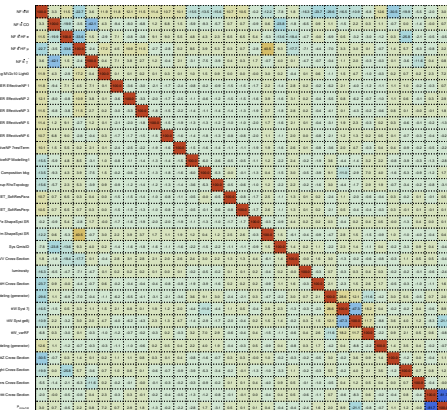
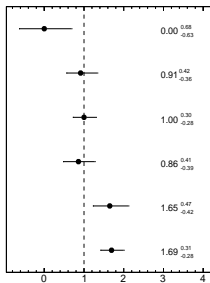
Realistic Asimov HT Fit - mH500 - 50% tttt_Xsec, NF_tttt=2



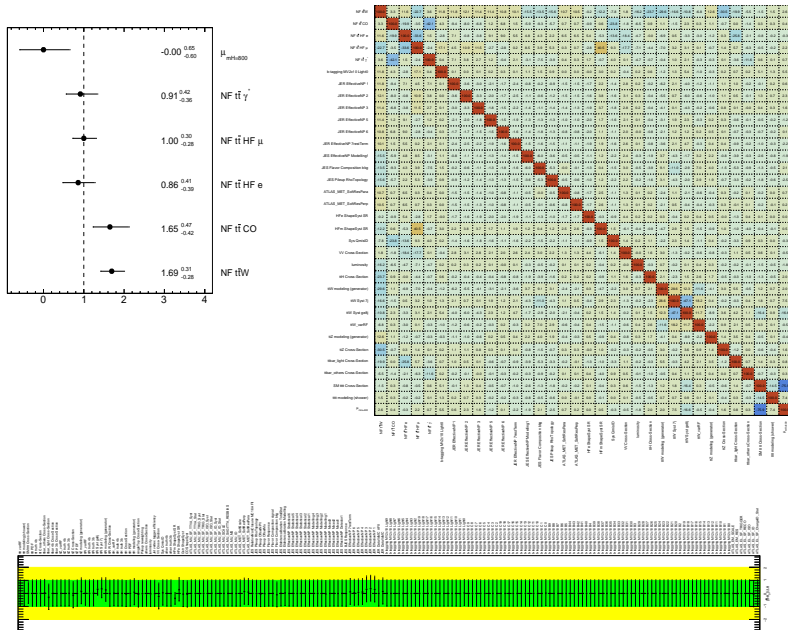
Realistic Asimov HT Fit - mH600 - 50% tttt_Xsec, NF_tttt=2



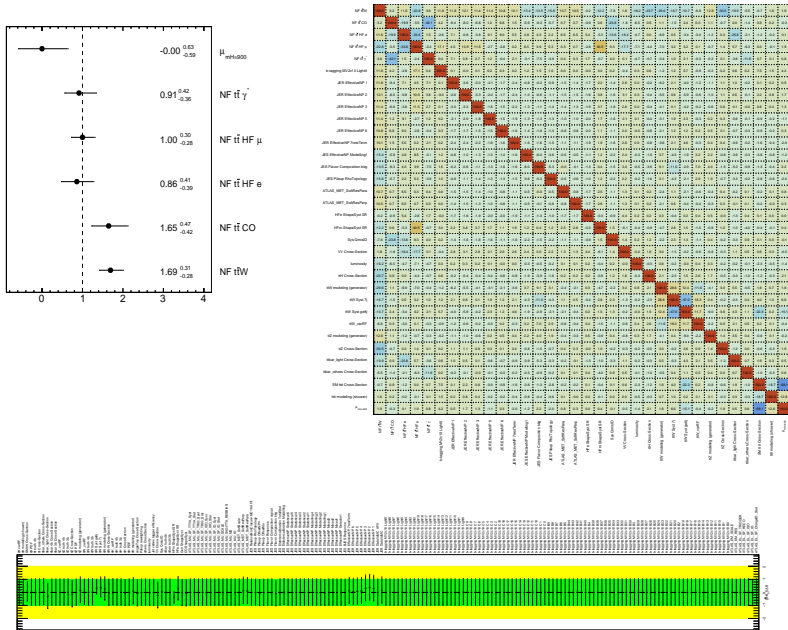
Realistic Asimov HT Fit - mH700 - 50% tttt_Xsec, NF_tttt=2



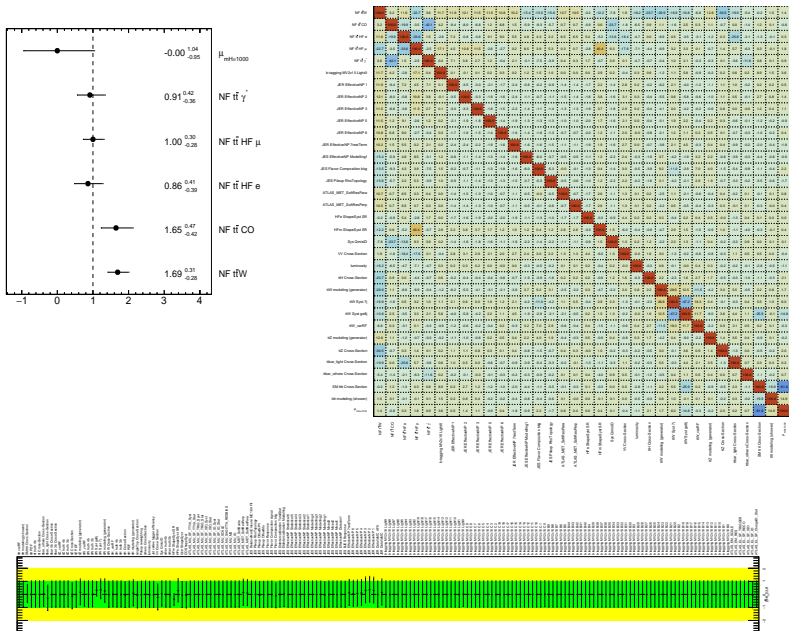
Realistic Asimov HT Fit - mH800 - 50% tttt_Xsec, NF_tttt=2



Realistic Asimov HT Fit - mH900 - 50% tttt_Xsec, NF_tttt=2



Realistic Asimov HT Fit - mH1000 - 50% tttt_Xsec, NF_tttt=2



Backup