Figure 1: FL__corrs_0x0.pdf

Figure 2: FL_corrs_0x1.pdf
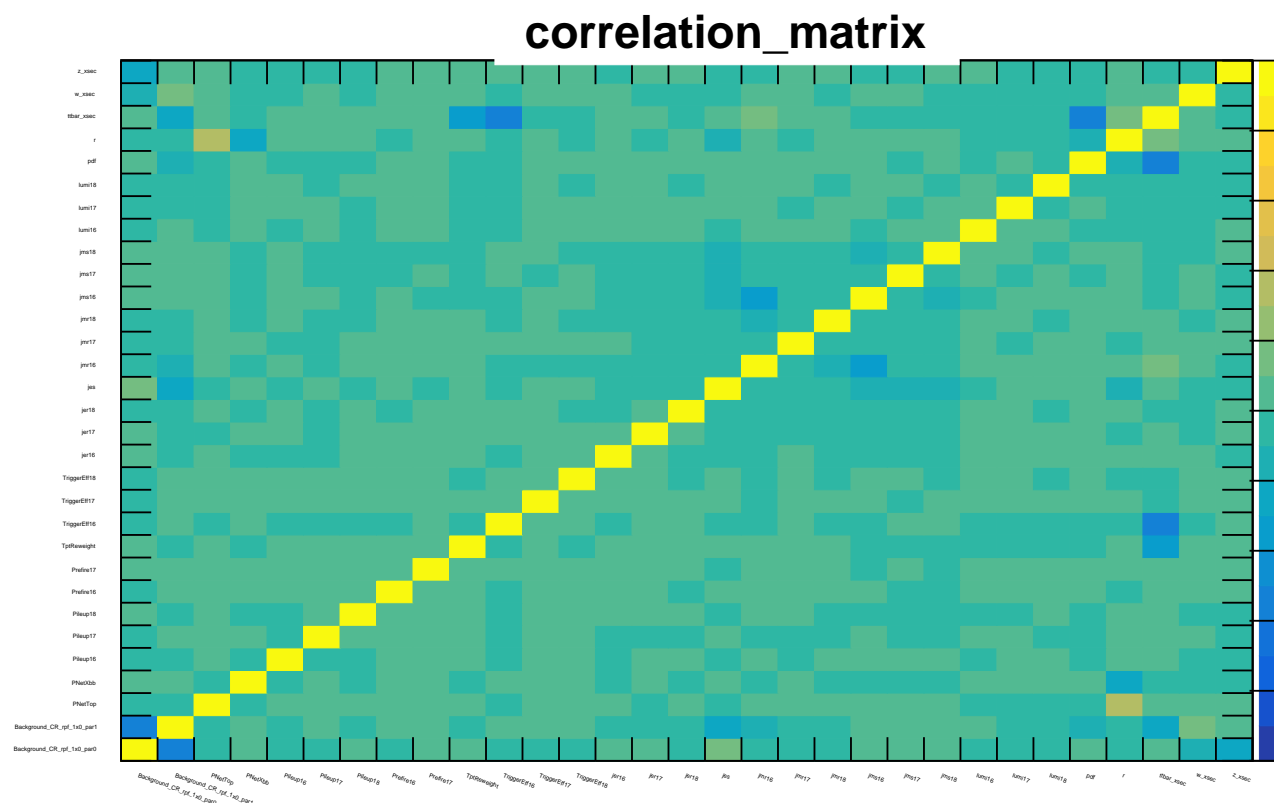
Figure 3: FL_corrs_1x0.pdf

Figure 4: FL_corrs_1x1.pdf

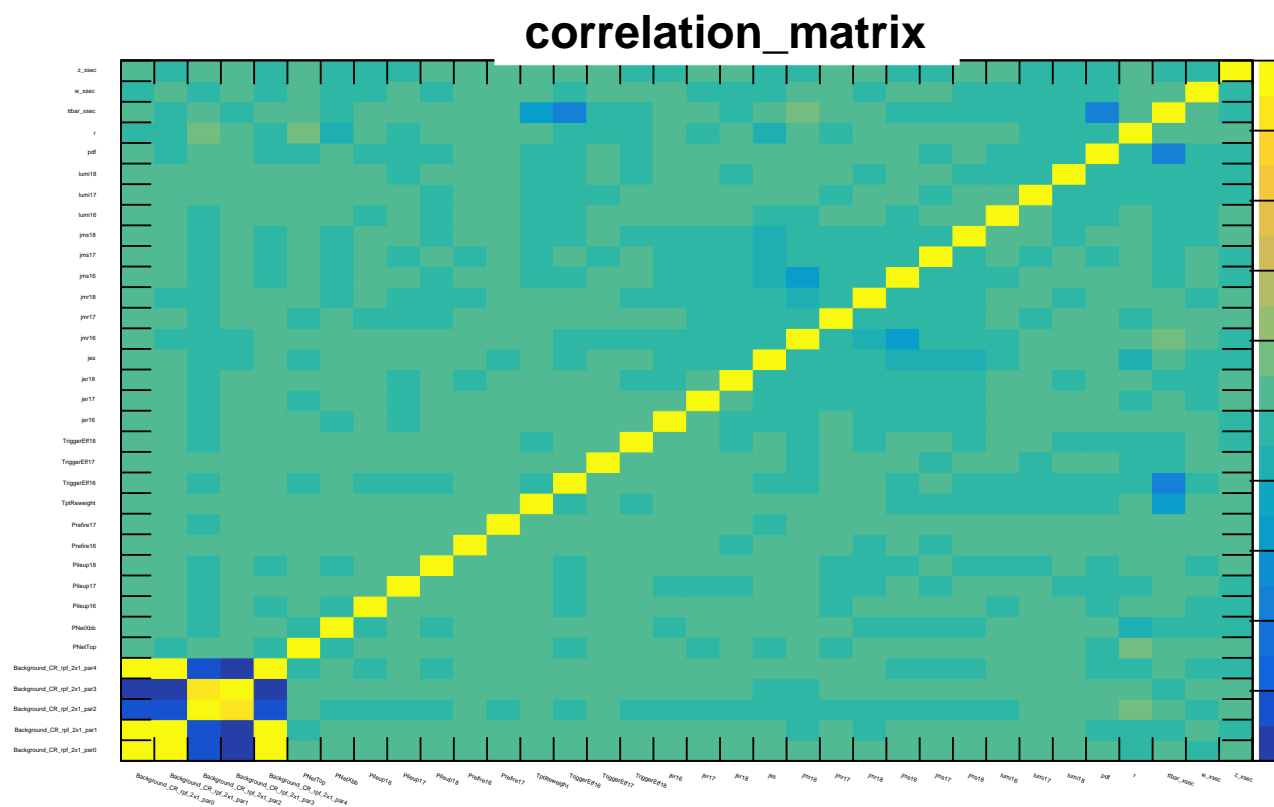Figure 5: FL_corrs_2x1.pdf

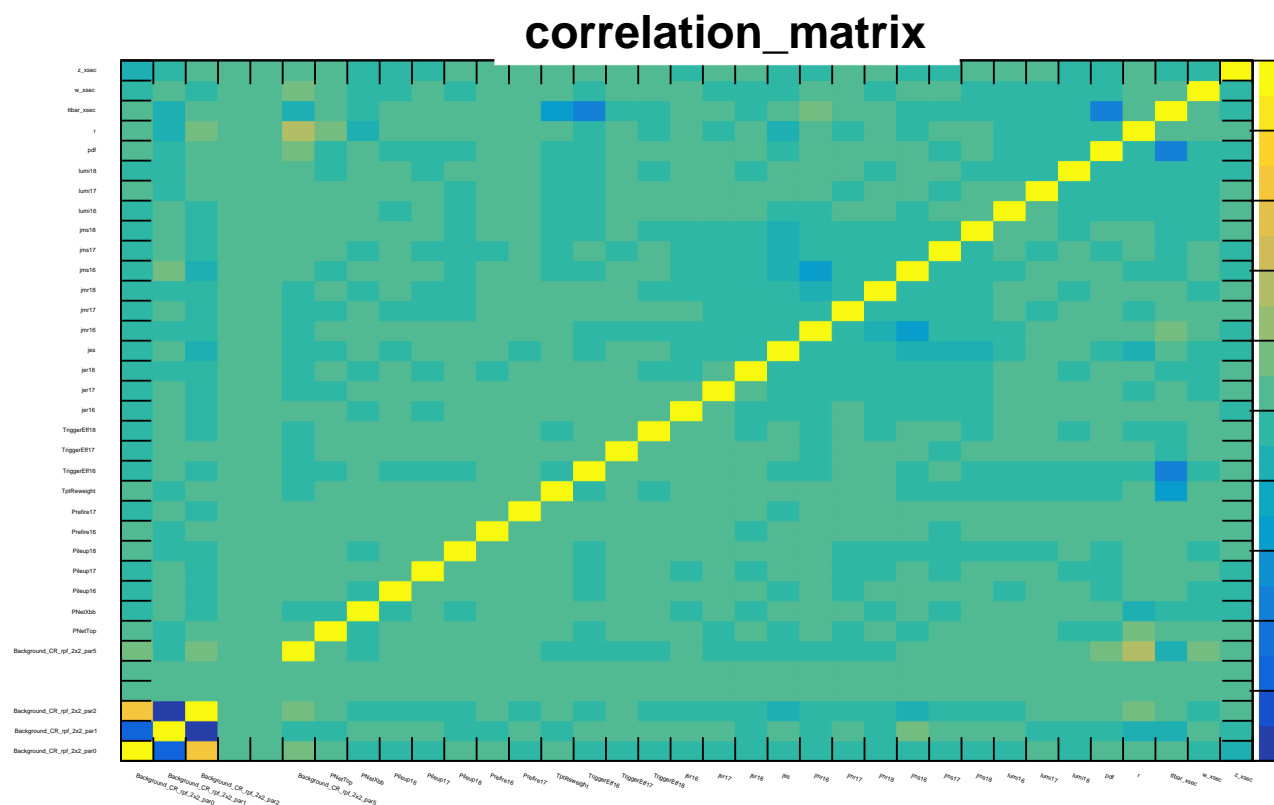Figure 6: FL_corrs_2x2.pdf
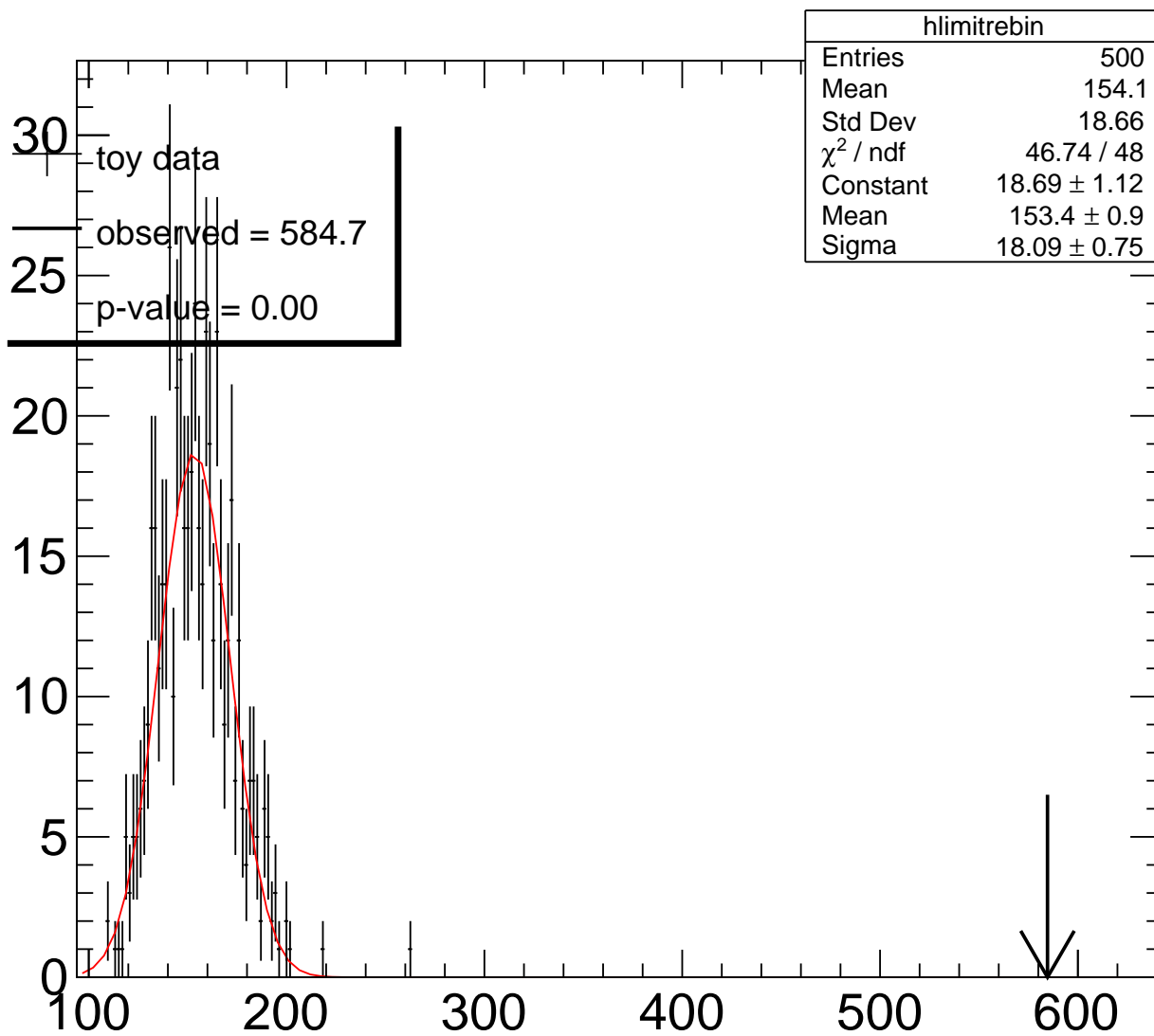
Figure 7: FL_gof_0x0.pdf

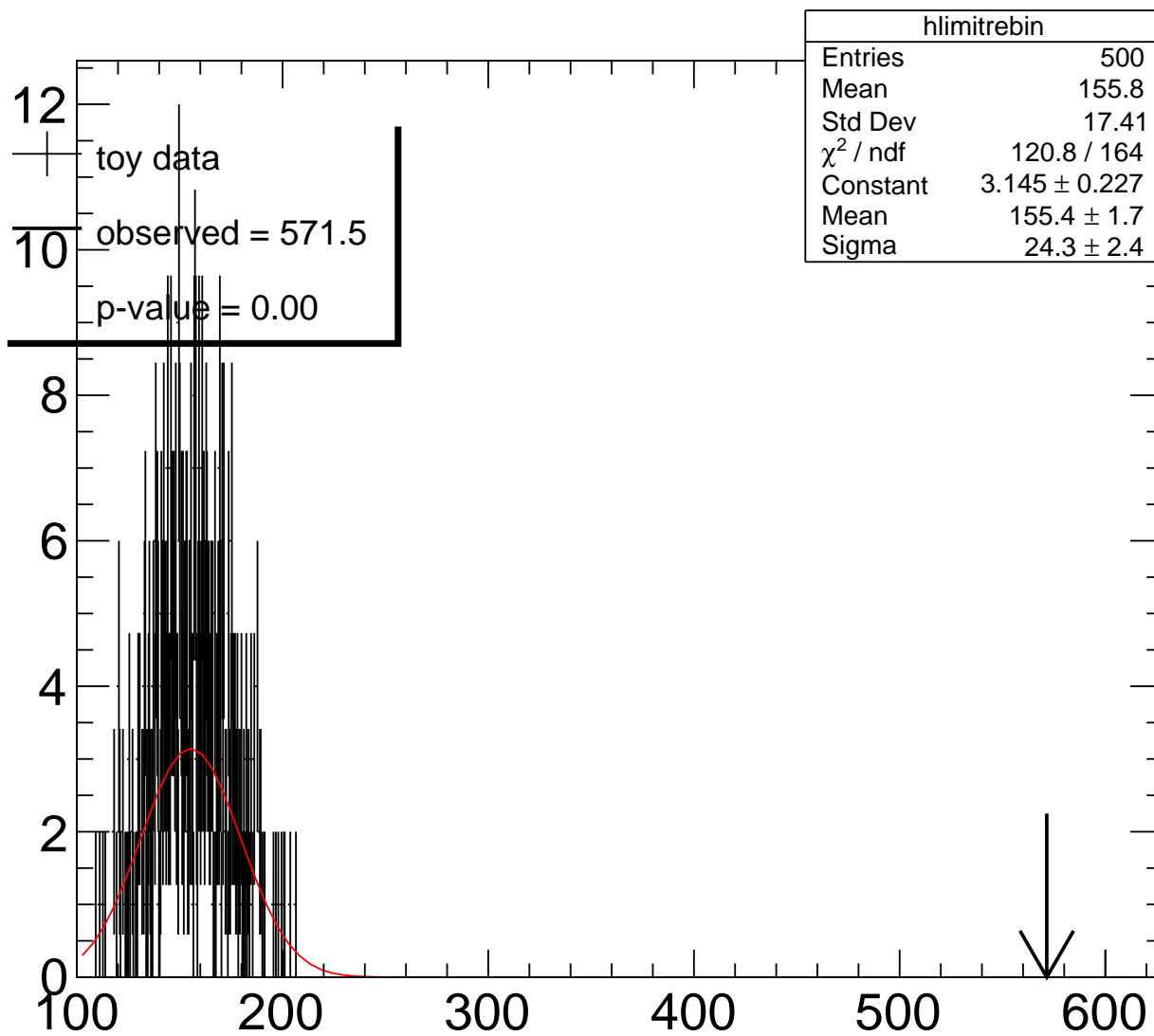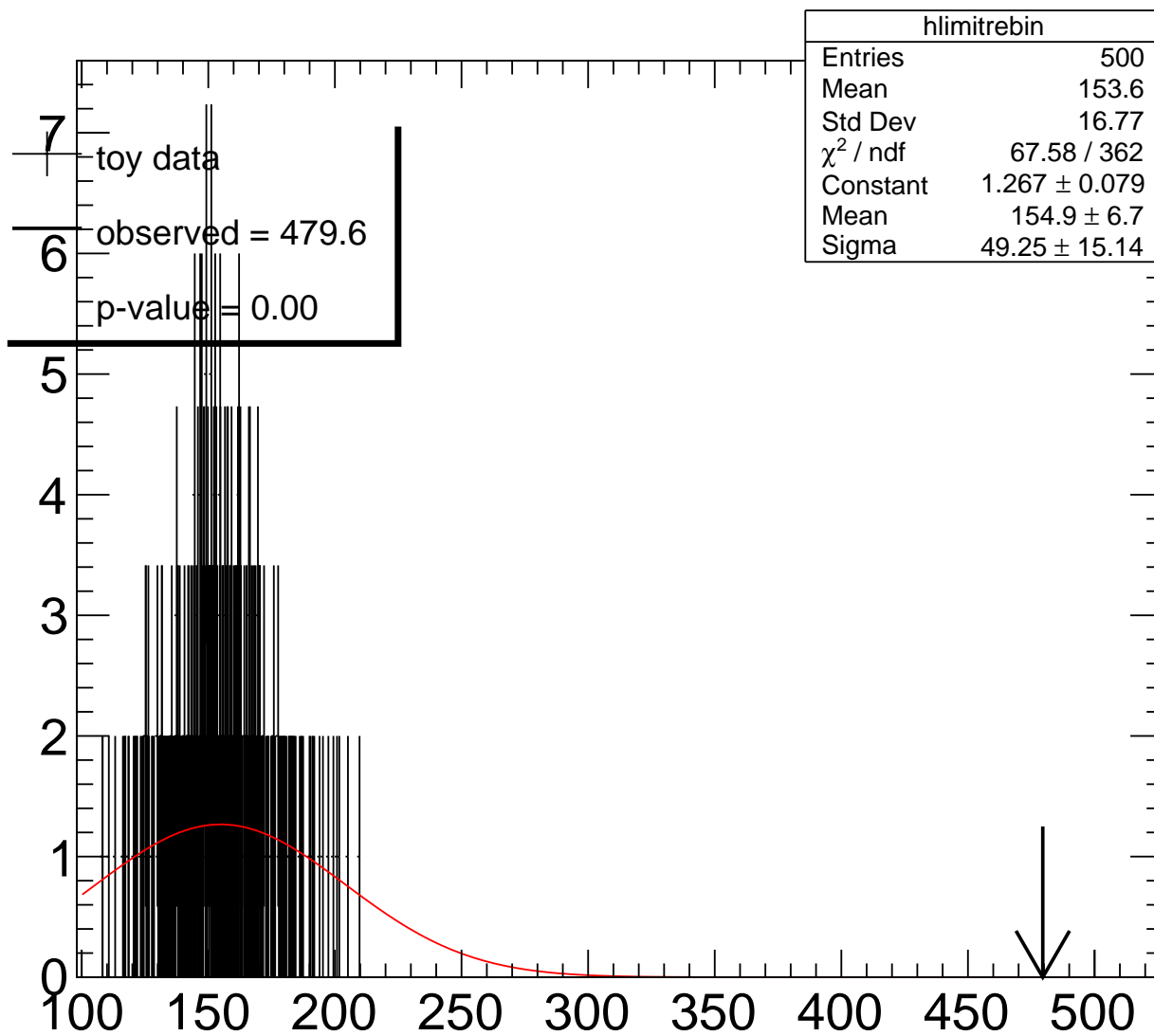Figure 8: FL__gof__0x1.pdf

toy data

observed = 479.6

p-value = 0.00

hlimitrebin	
Entries	500
Mean	153.6
Std Dev	16.77
χ^2 / ndf	67.58 / 362
Constant	1.267 ± 0.079
Mean	154.9 ± 6.7
Sigma	49.25 ± 15.14

Figure 9: FL_gof_1x0.pdf

toy data

observed = 443.8

p-value = 0.00

hlimitrebin	
Entries	500
Mean	152.6
Std Dev	18.29
χ^2 / ndf	64.92 / 65
Constant	13.6 ± 0.9
Mean	152.1 ± 0.9
Sigma	17.66 ± 0.82
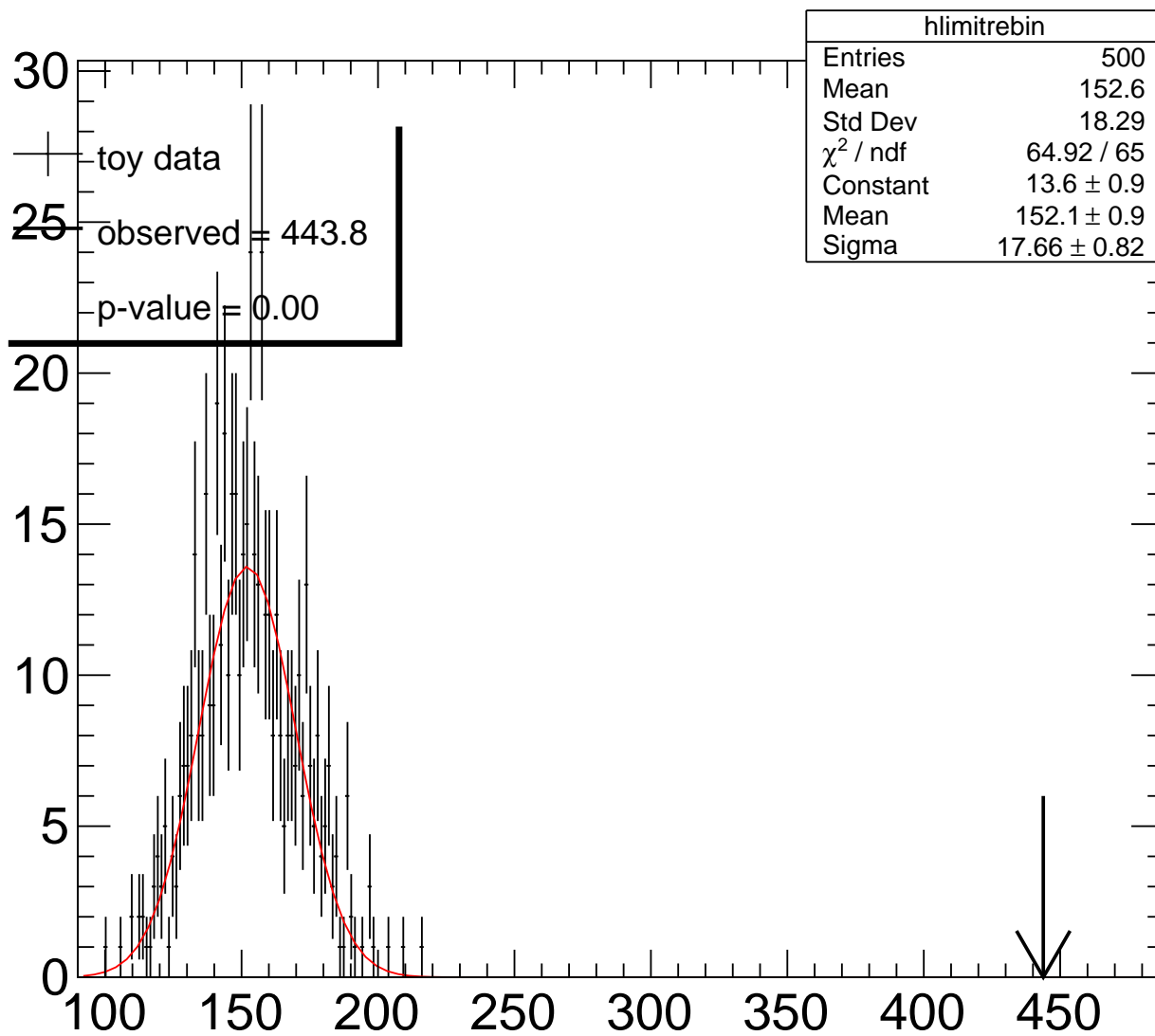
Figure 10: FL_gof_1x1.pdf

Figure 11: FL_gof_2x1.pdf

toy data

observed = 442.9

p-value = 0.00

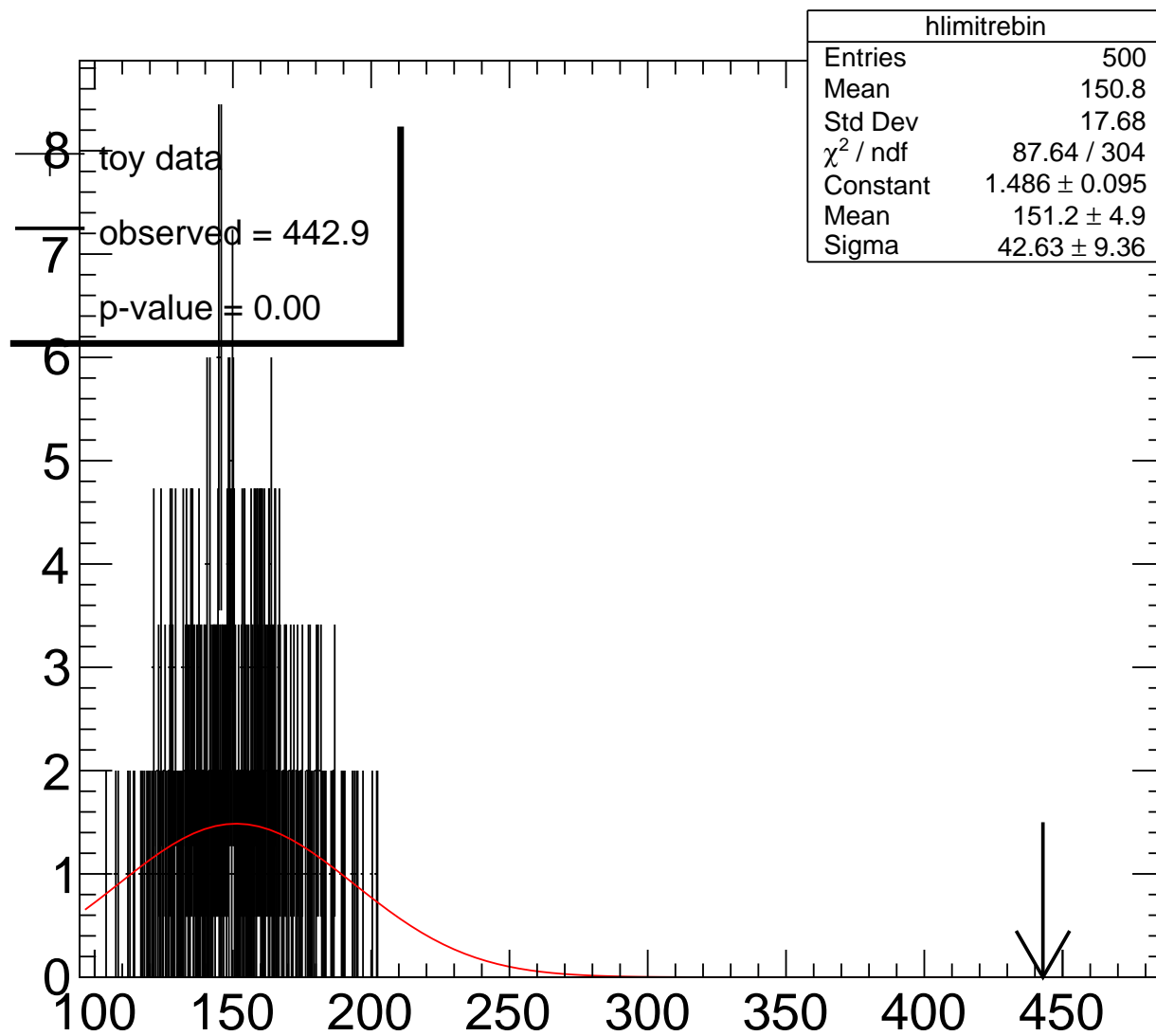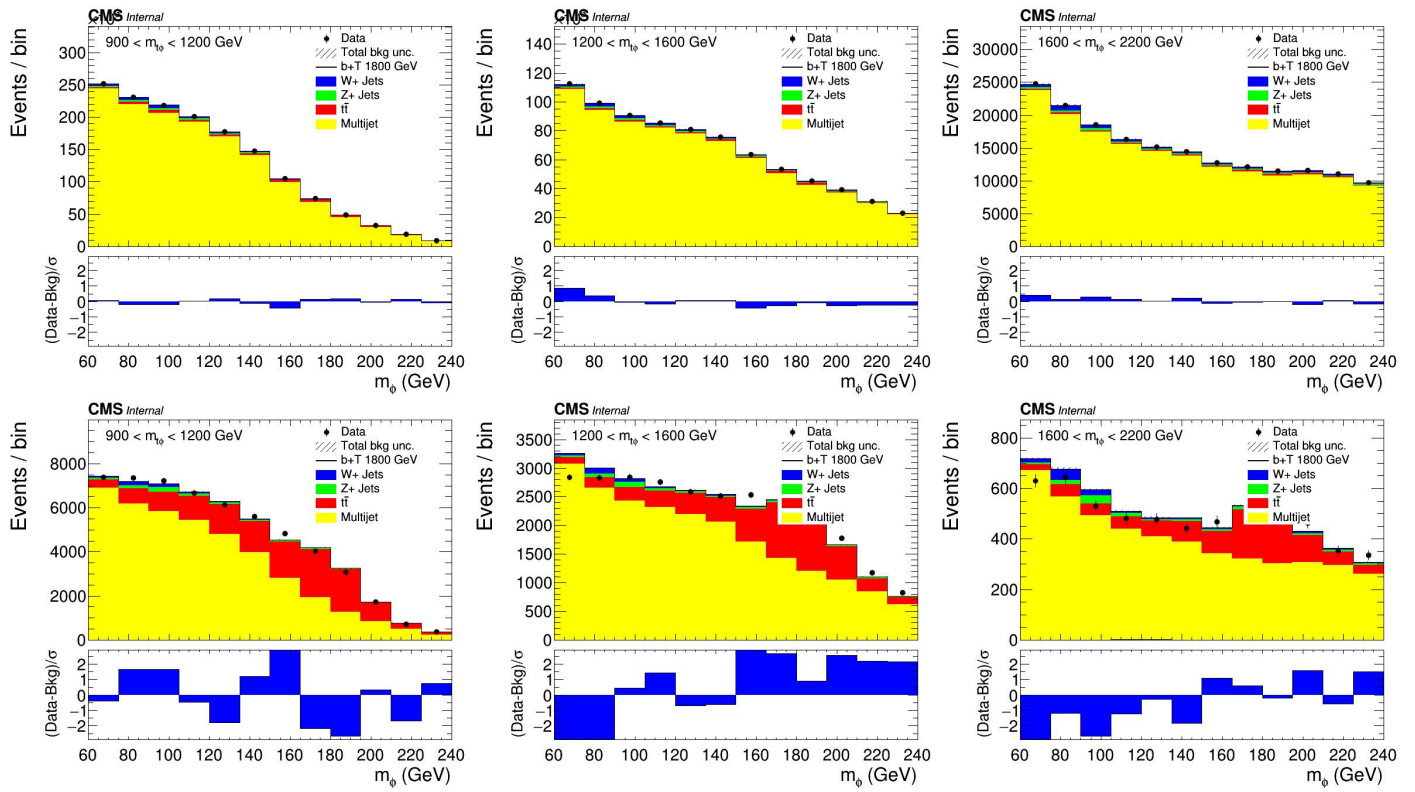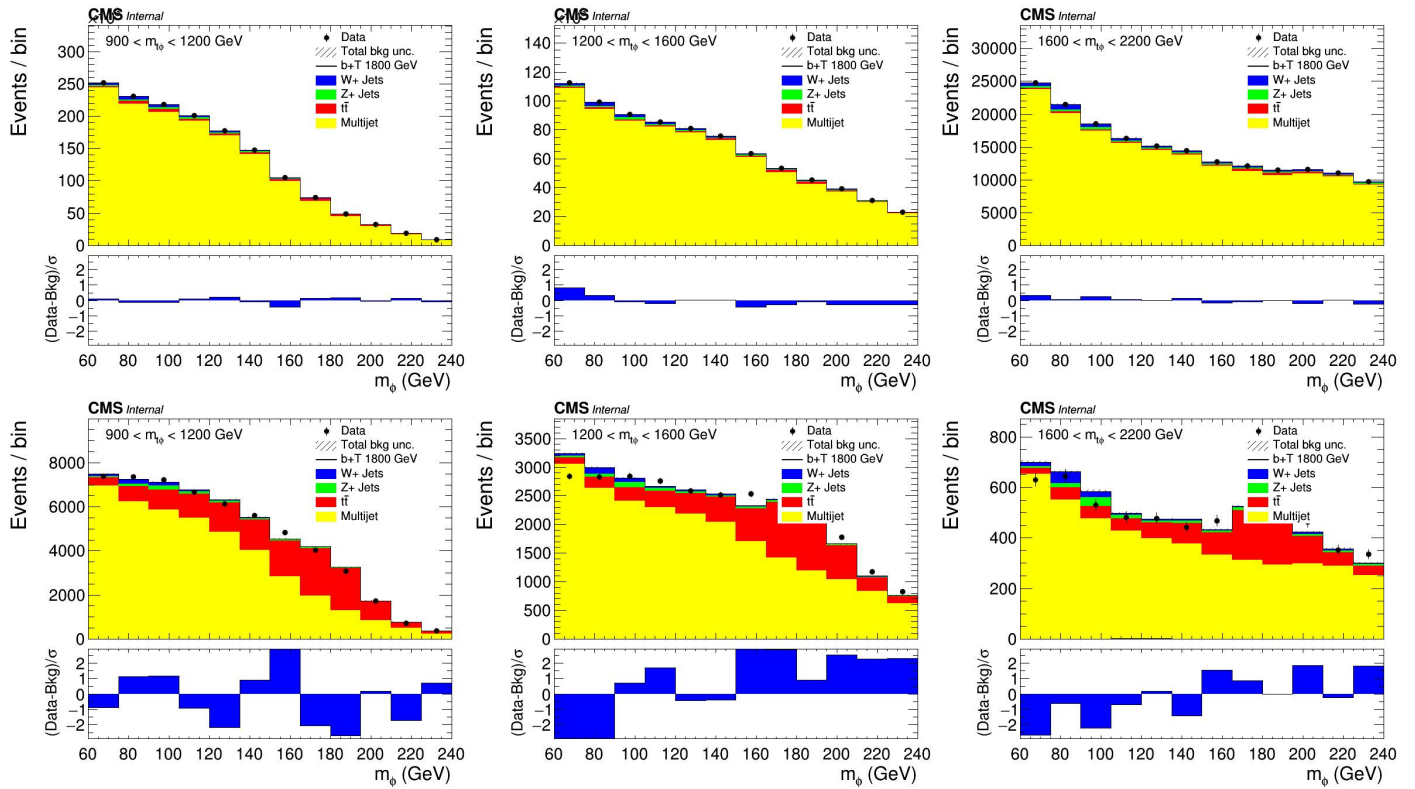| hlimitrebin	
Entries	500
Mean	150.8
Std Dev	17.68
χ^2 / ndf	87.64 / 304
Constant	1.486 ± 0.095
Mean	151.2 ± 4.9
Sigma	42.63 ± 9.36
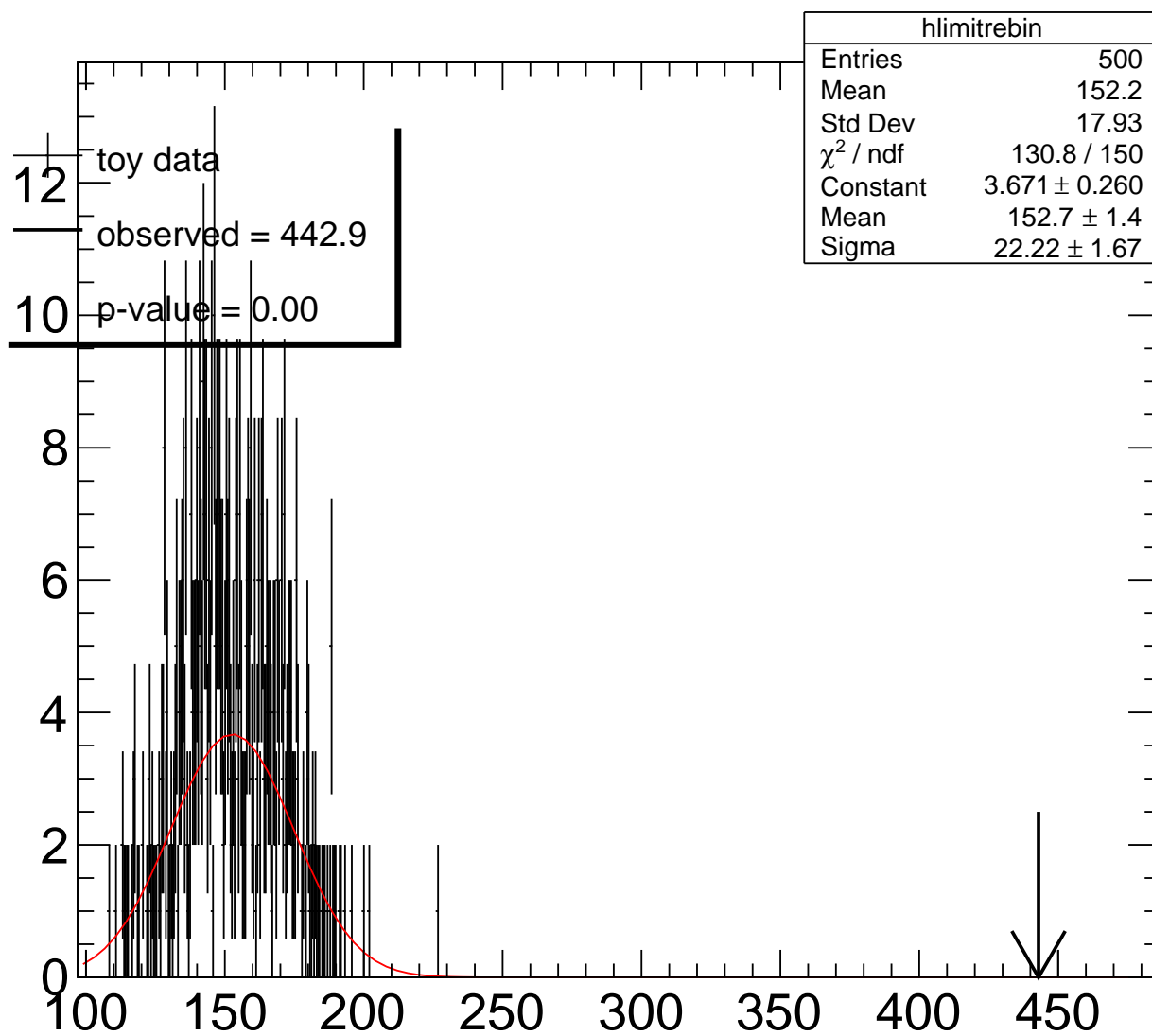
Figure 12: FL_gof_2x2.pdf

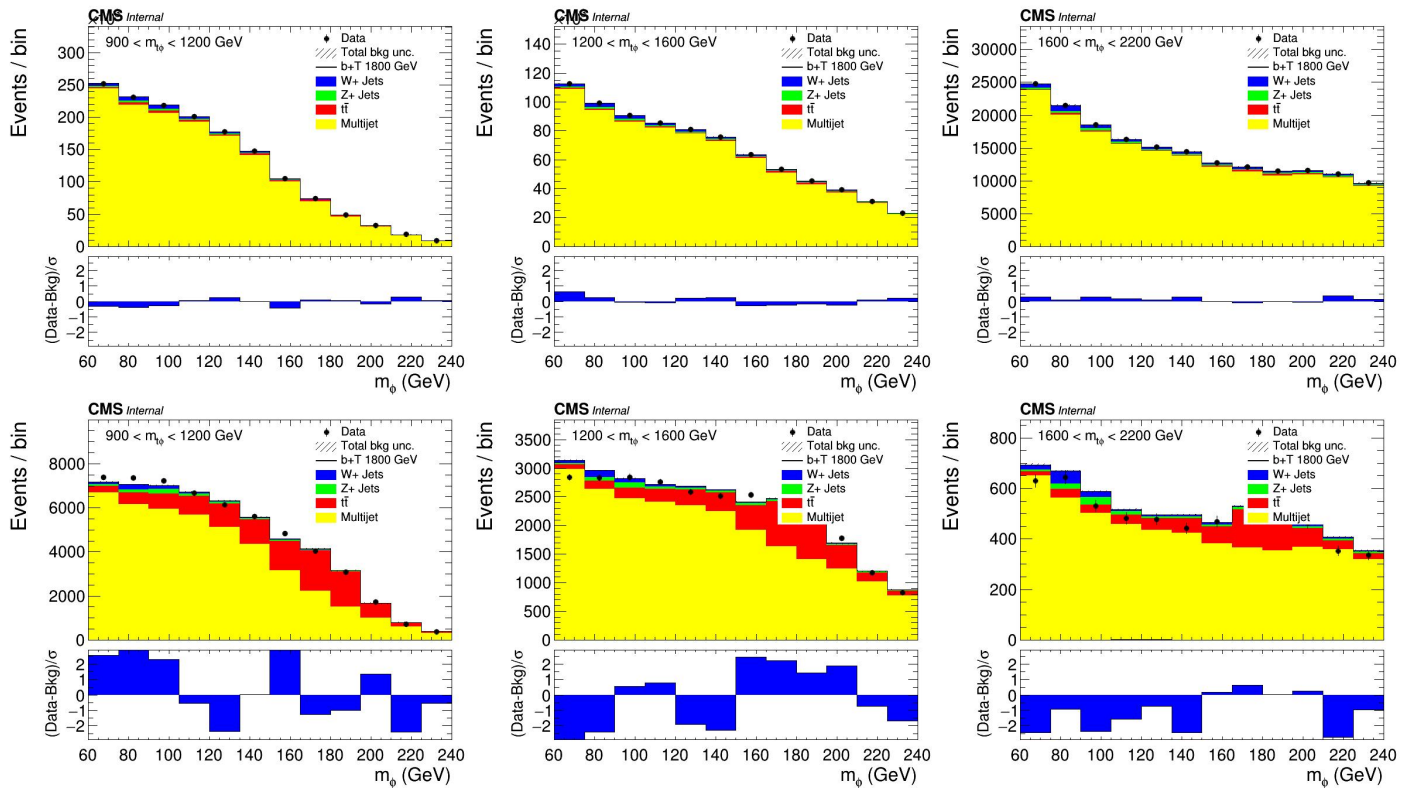Figure 13: FL_projx_0x0.pdf

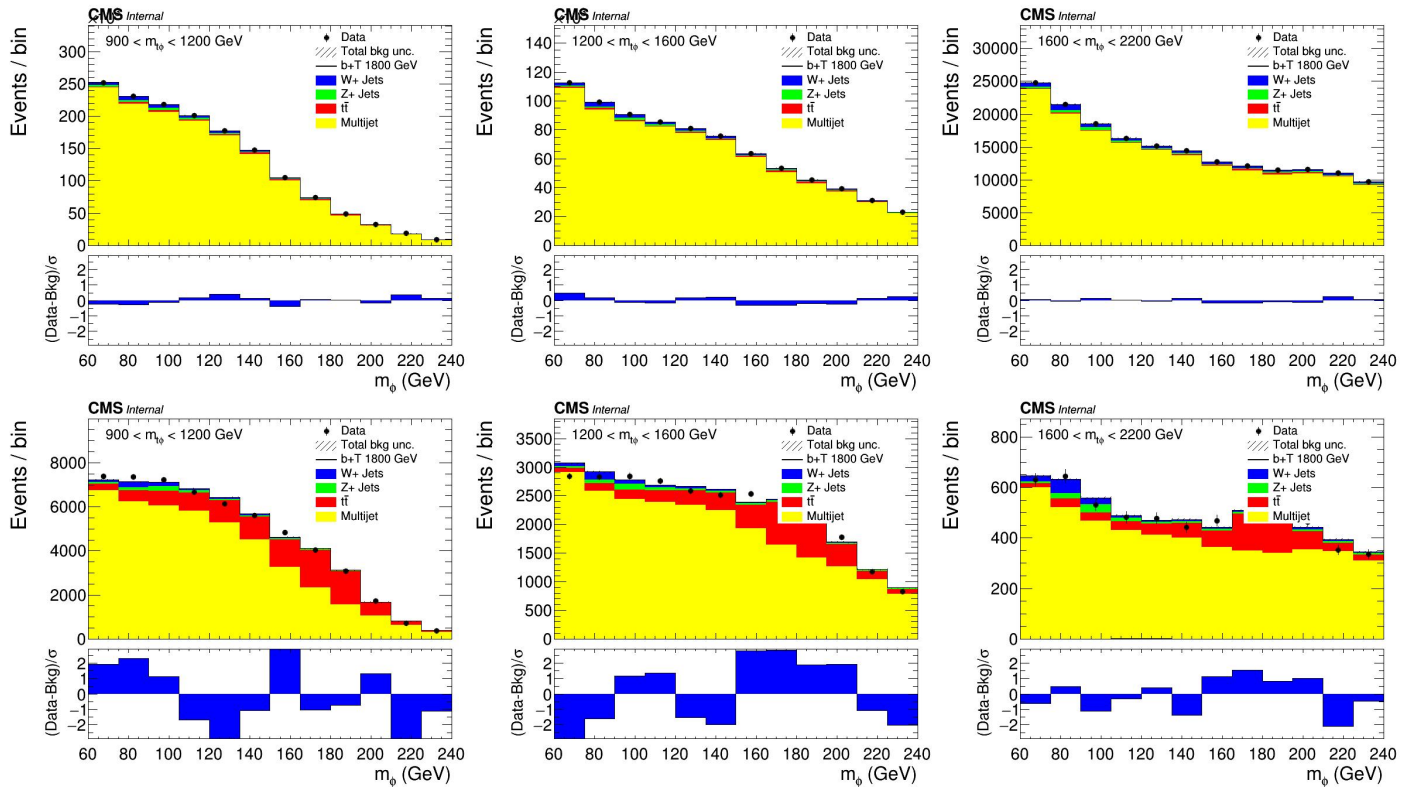Figure 14: FL_projx_0x1.pdf
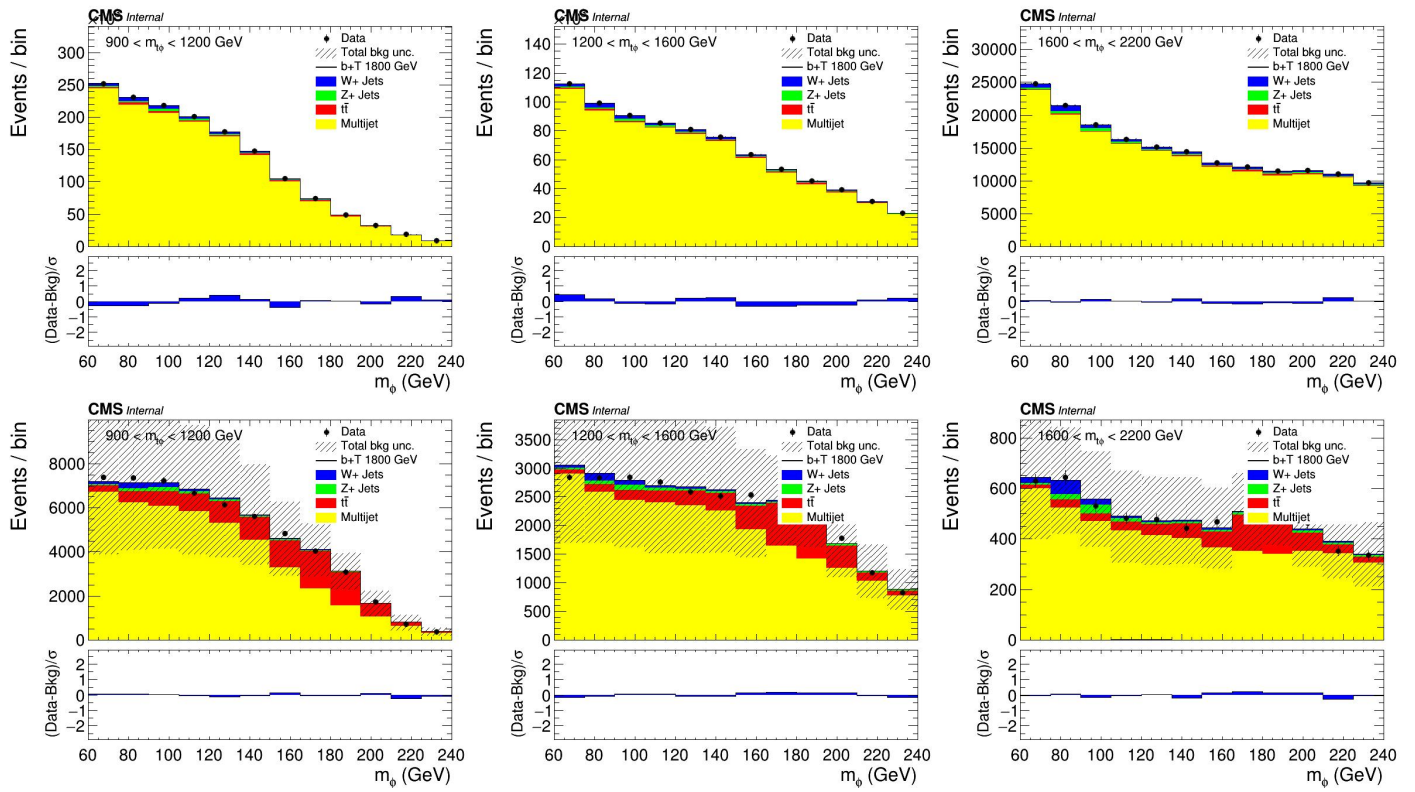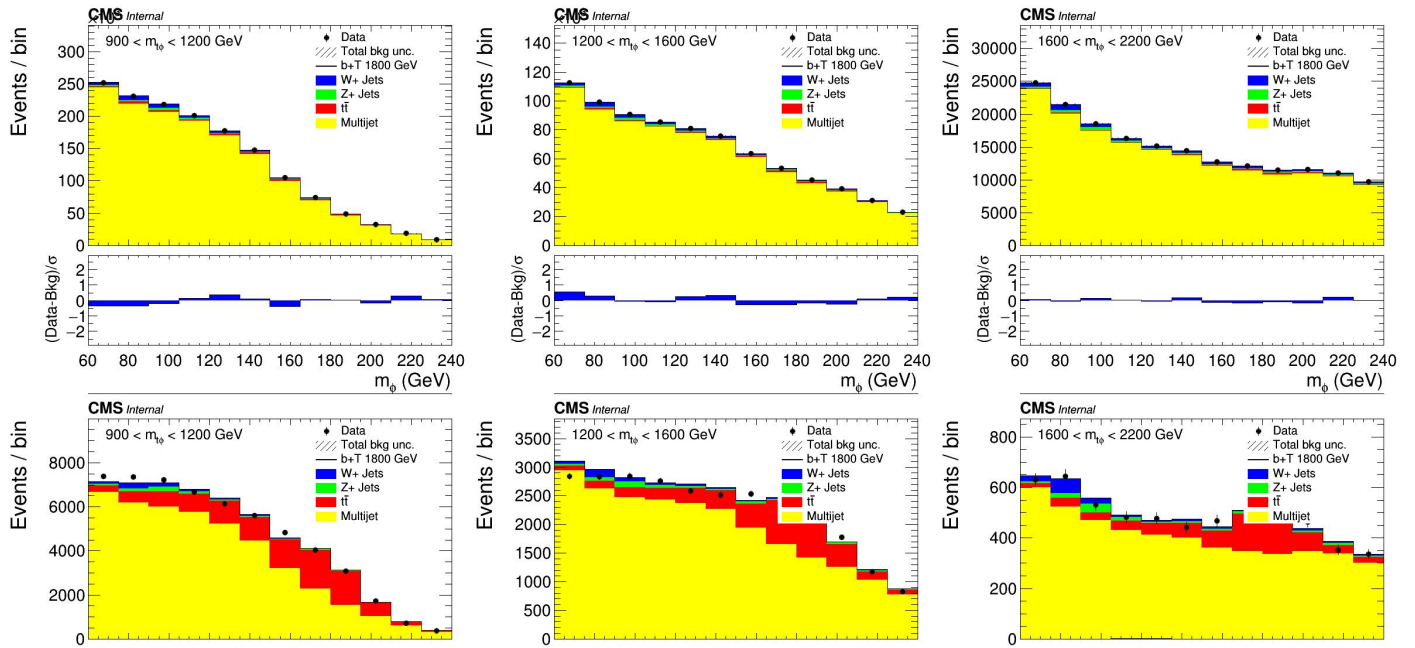
Figure 15: FL_projx_1x0.pdf

Figure 16: FL_projx_1x1.pdf

Figure 17: FL_projx_2x1.pdf

Figure 18: FL_projx_2x2.pdf