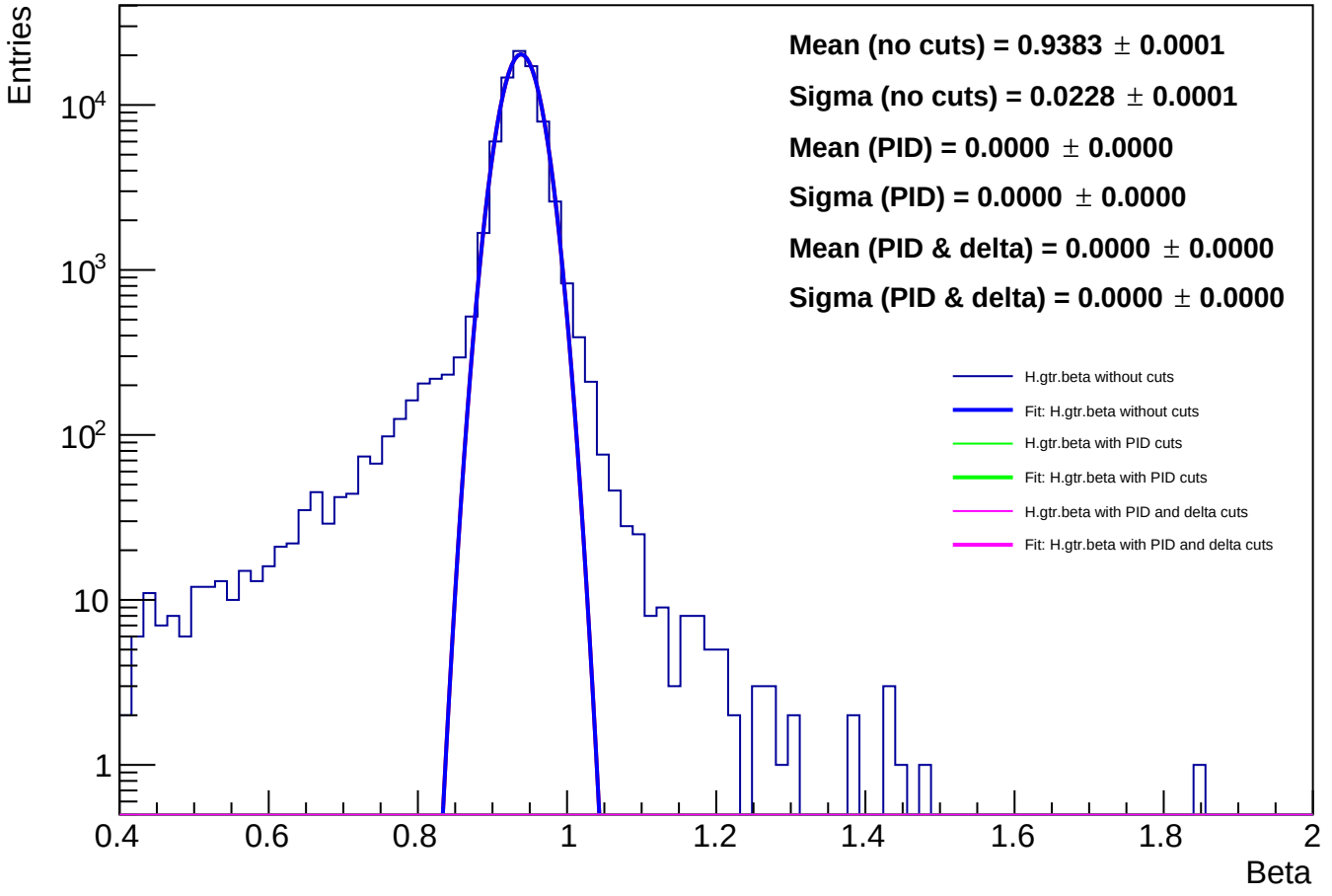
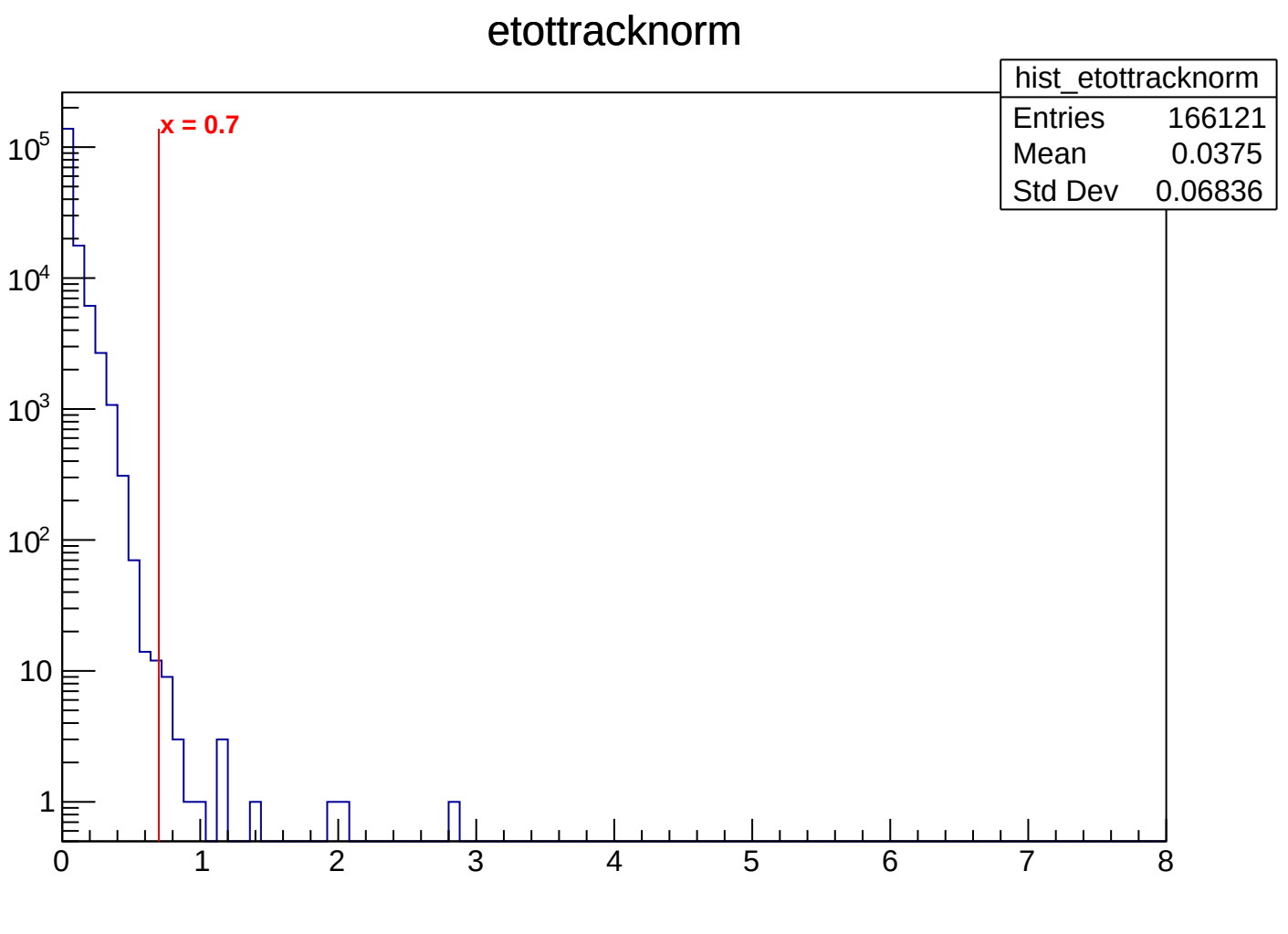
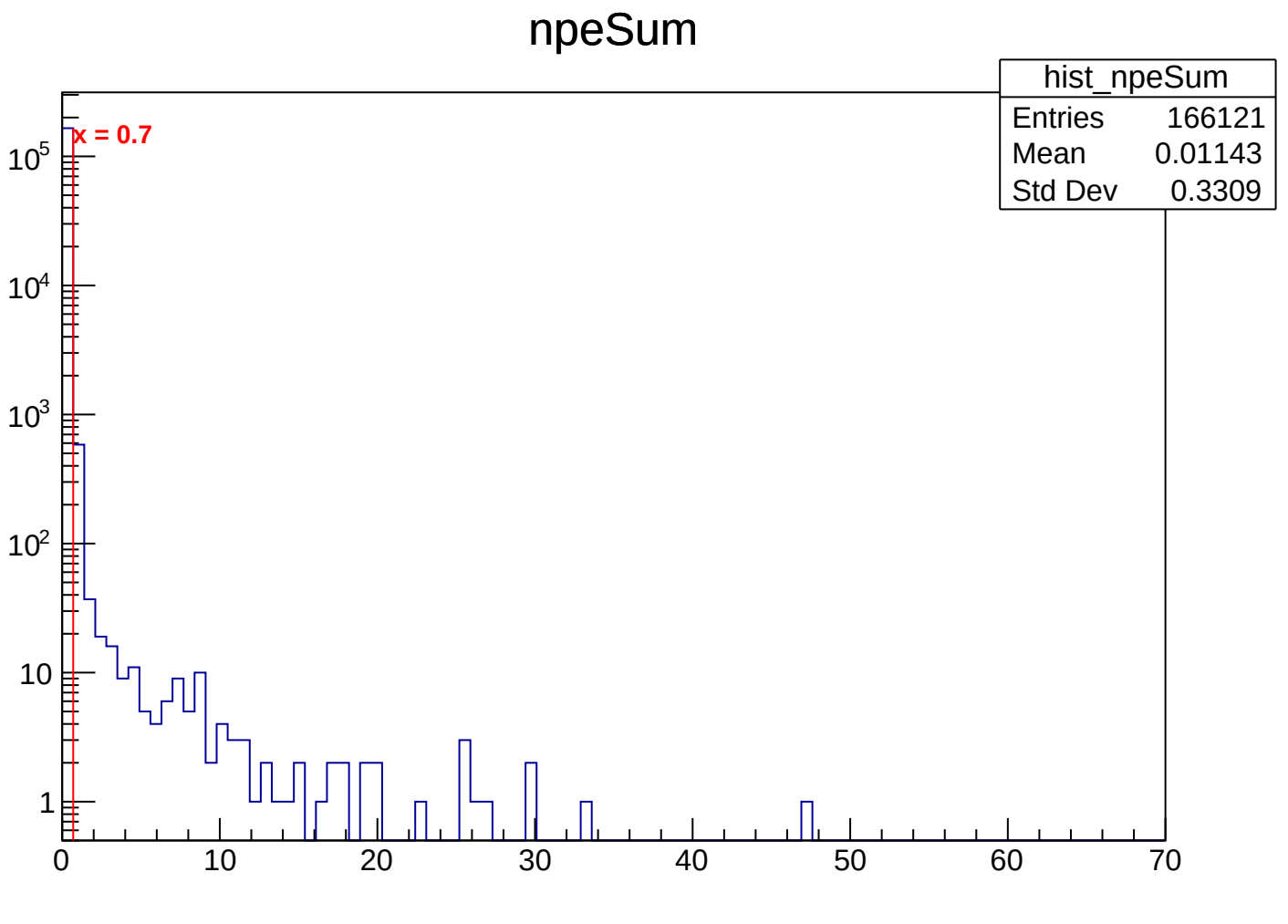
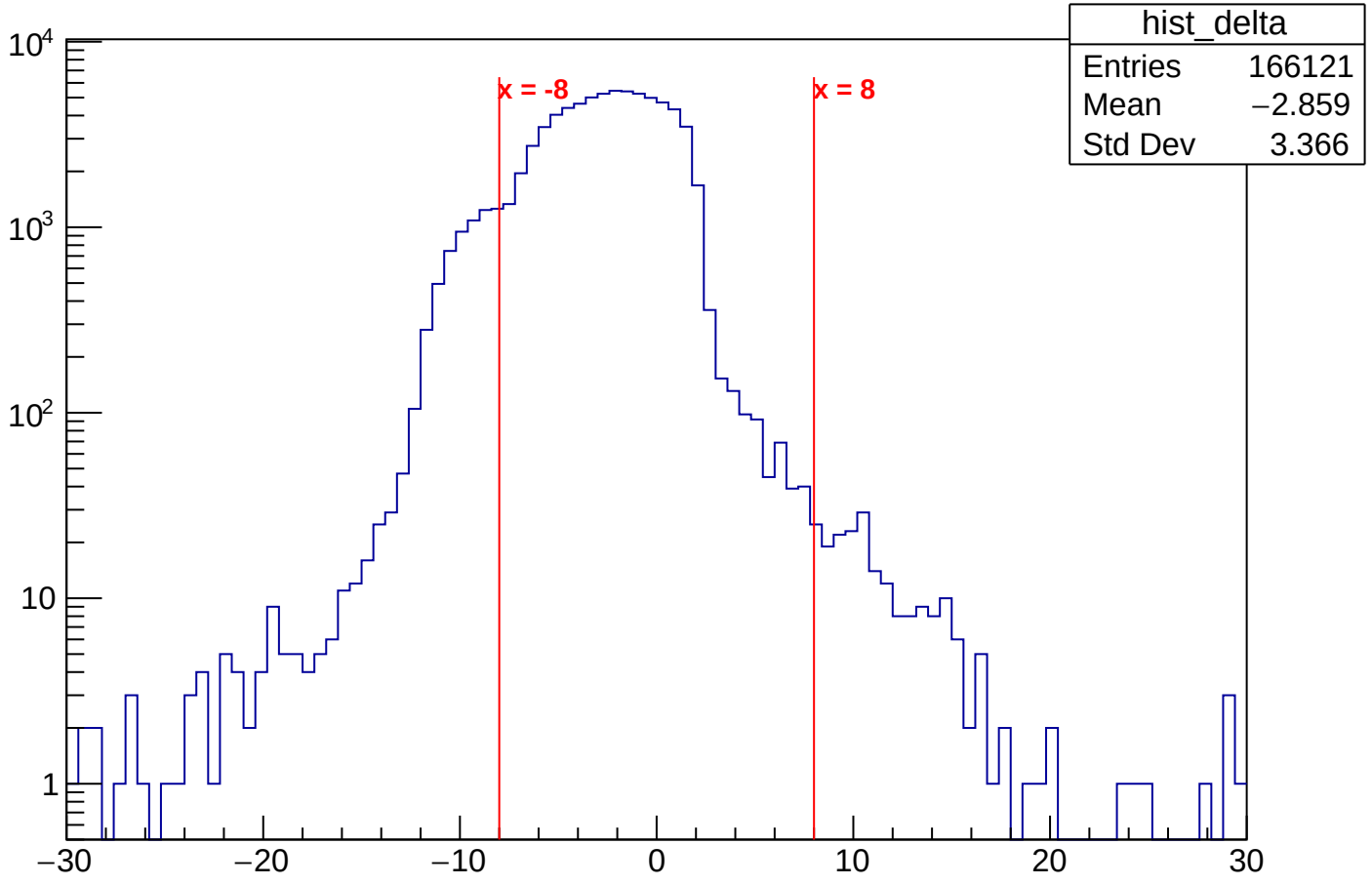
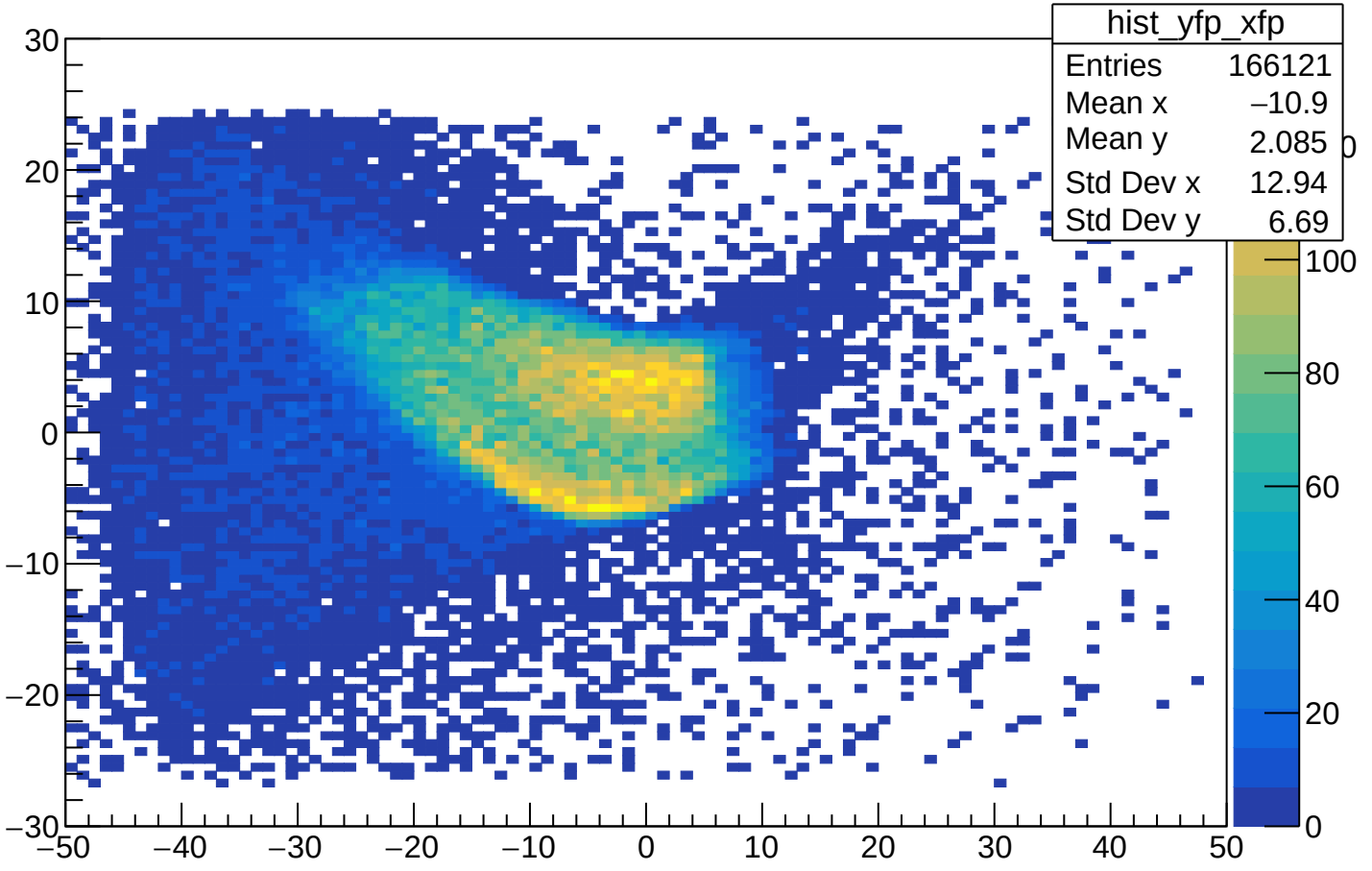
H.gtr.beta

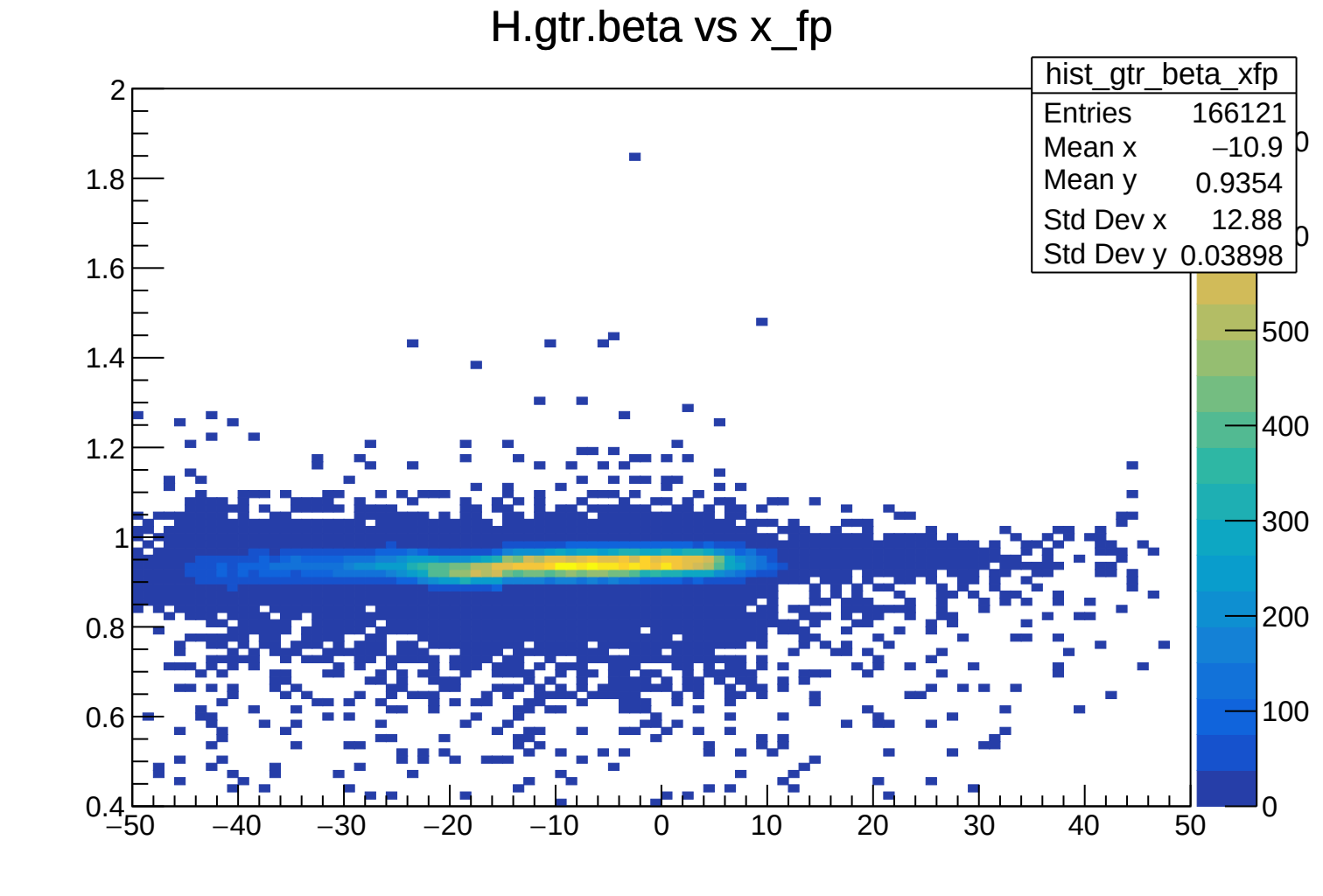

Entries
10^4
10^3
10^2
10
1
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Beta
Mean (no cuts) = 0.9383 ± 0.0001
Sigma (no cuts) = 0.0228 ± 0.0001
Mean (PID) = 0.0000 ± 0.0000
Sigma (PID) = 0.0000 ± 0.0000
Mean (PID & delta) = 0.0000 ± 0.0000
Sigma (PID & delta) = 0.0000 ± 0.0000
H.gtr.beta without cuts
Fit: H.gtr.beta without cuts
H.gtr.beta with PID cuts
Fit: H.gtr.beta with PID cuts
H.gtr.beta with PID and delta cuts
Fit: H.gtr.beta with PID and delta cuts

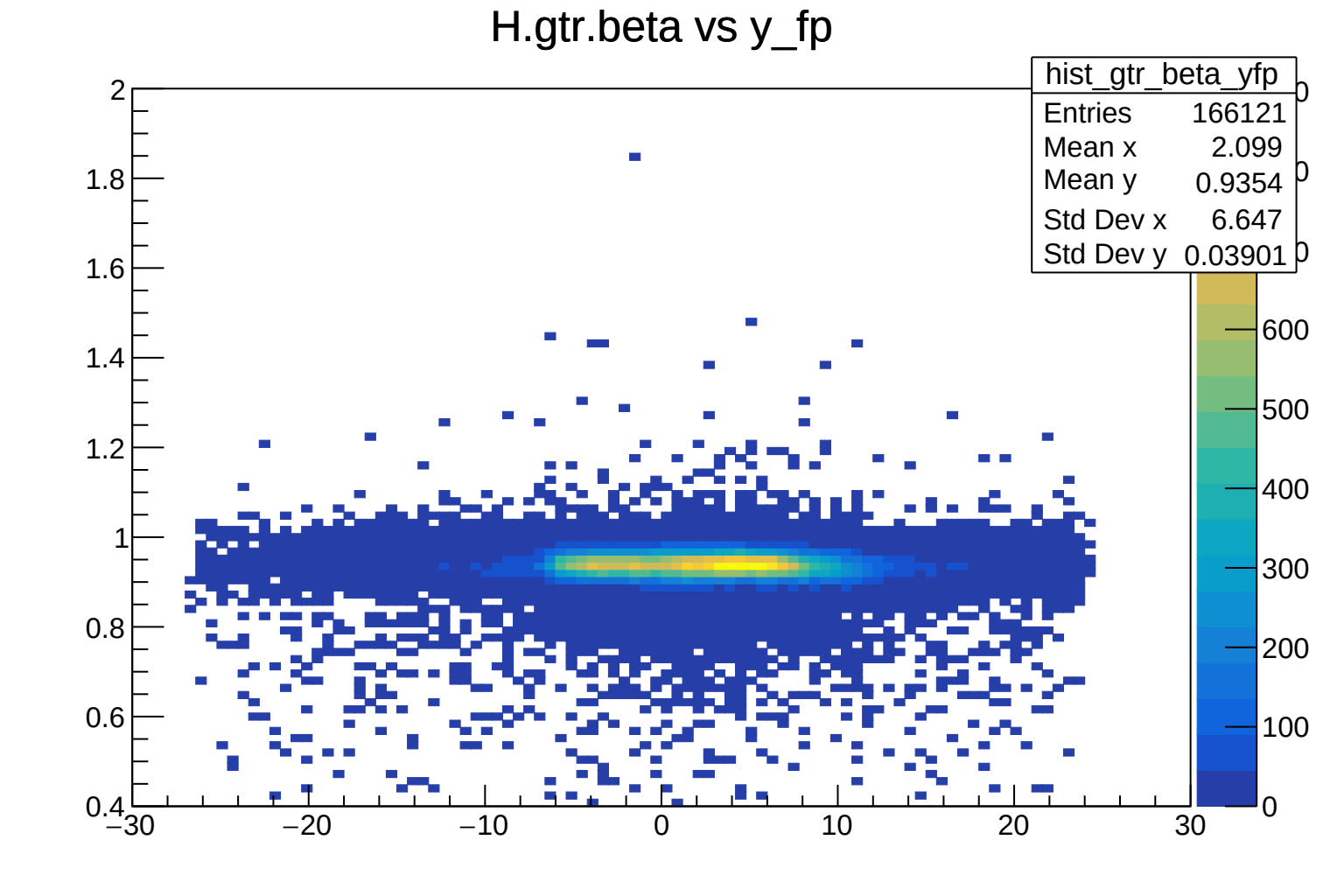

etottracknorm
hist_etottracknorm
Entries 166121
Mean 0.0375
Std Dev 0.06836
x = 0.7
10^5
10^4
10^3
10^2
10
1
0
1
2
3
4
5
6
7
8

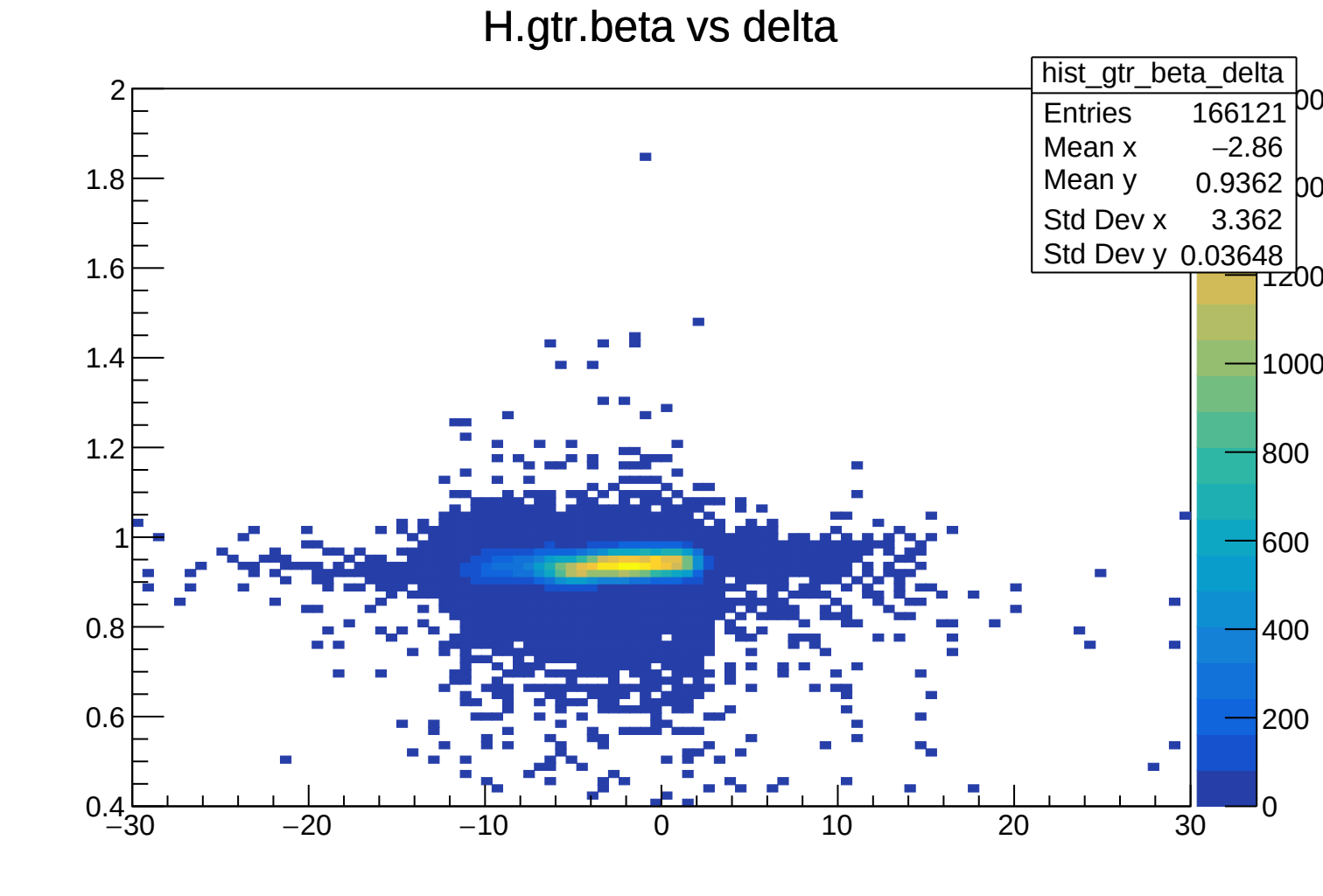

npeSum
hist_npeSum
Entries 166121
Mean 0.01143
Std Dev 0.3309
x = 0.7
10^5
10^4
10^3
10^2
10
1
0
10
20
30
40
50
60
70

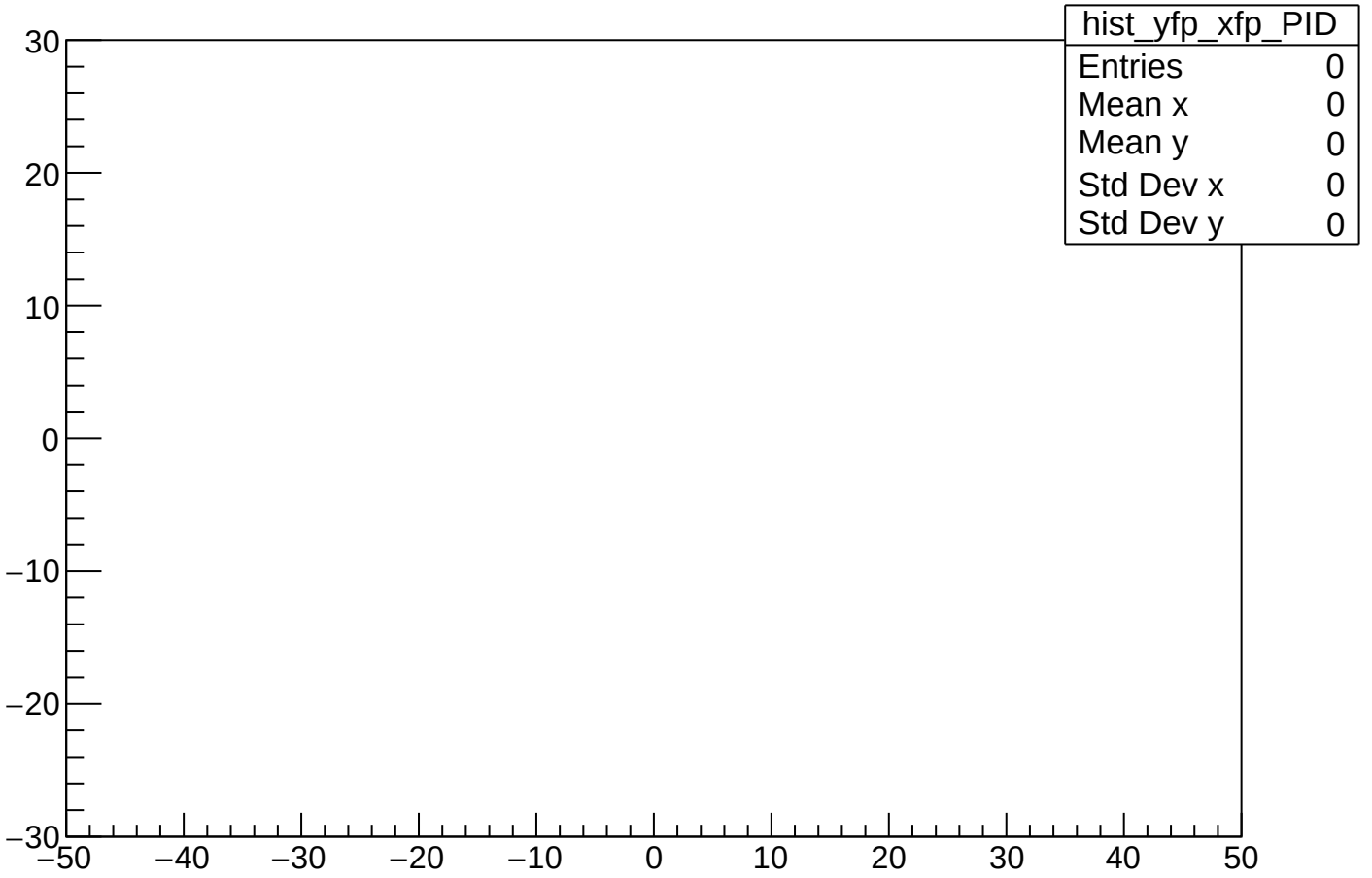

delta
hist_delta
Entries 166121
Mean −2.859
Std Dev 3.366
x = -8
x = 8
10^4
10^3
10^2
10
1
−30
−20
−10
0
10
20
30

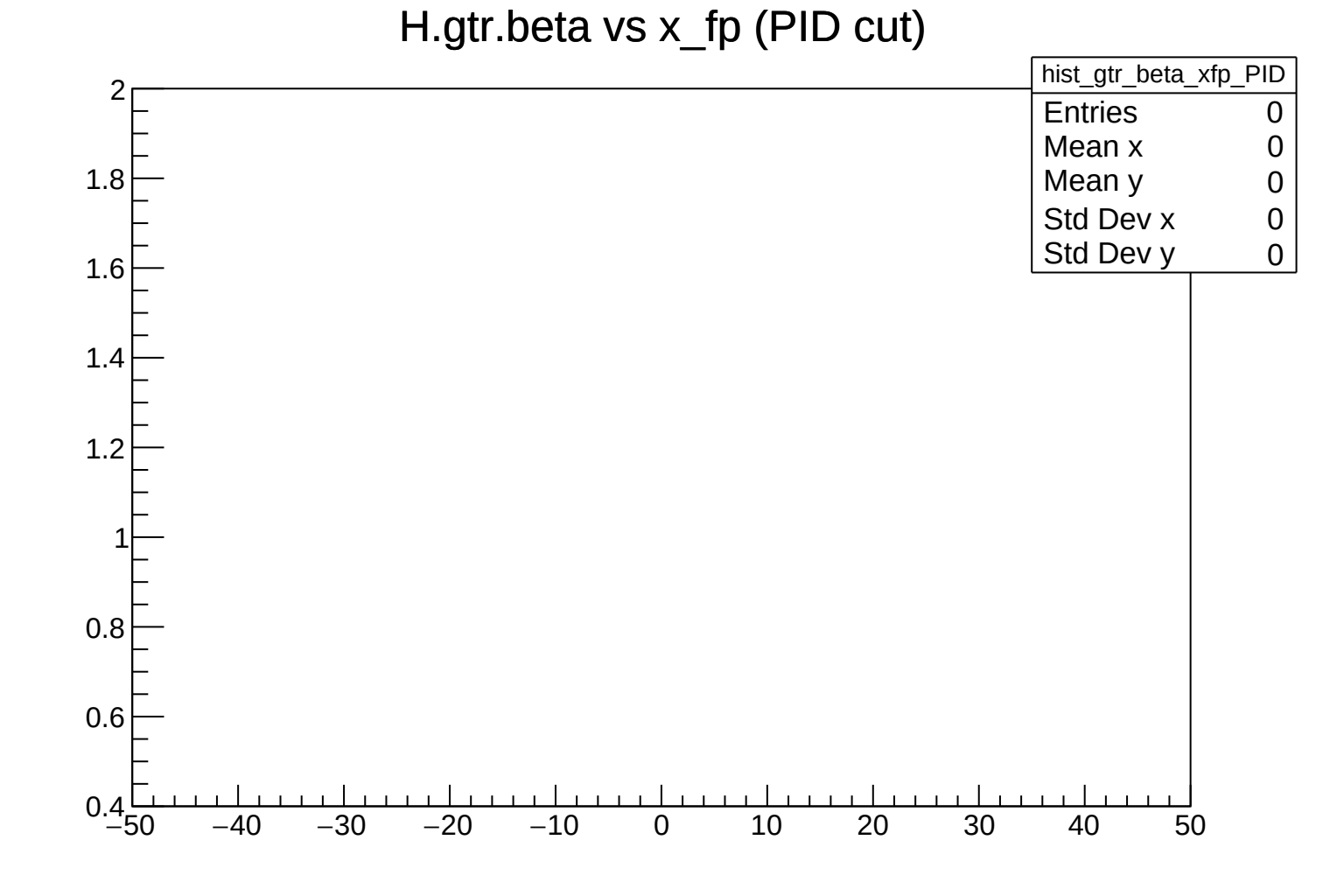

focal plane
hist_yfp_xfp
Entries 166121
Mean x −10.9
Mean y 2.085
Std Dev x 12.94
Std Dev y 6.69
30
20
10
0
−10
−20
−30
−50
−40
−30
−20
−10
0
10
20
30
40
50
100
80
60
40
20
0

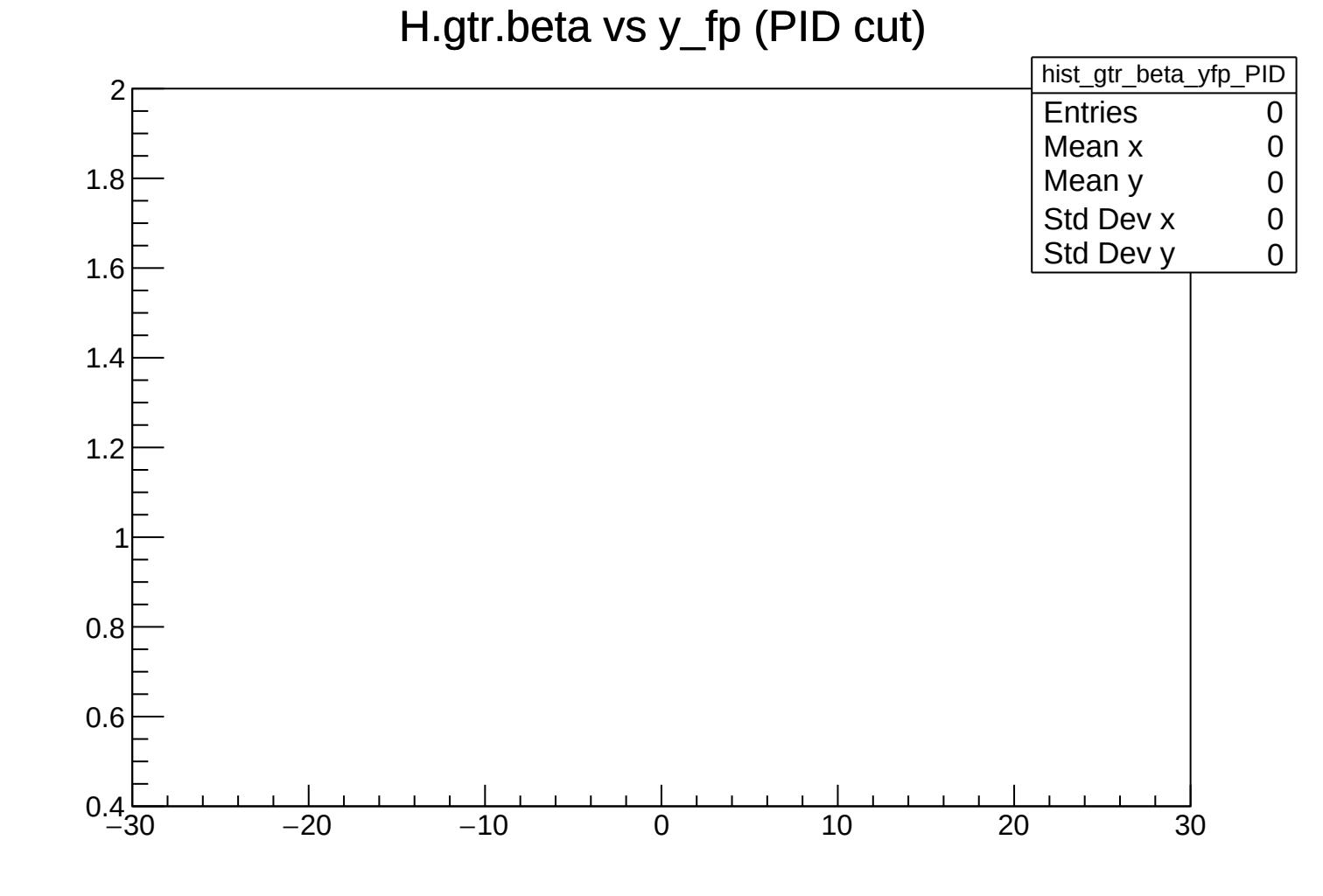

H.gtr.beta vs x_fp
hist_gtr_beta_xfp
Entries 166121
Mean x −10.9
Mean y 0.9354
Std Dev x 12.88
Std Dev y 0.03898
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
−50
−40
−30
−20
−10
0
10
20
30
40
50
500
400
300
200
100
0

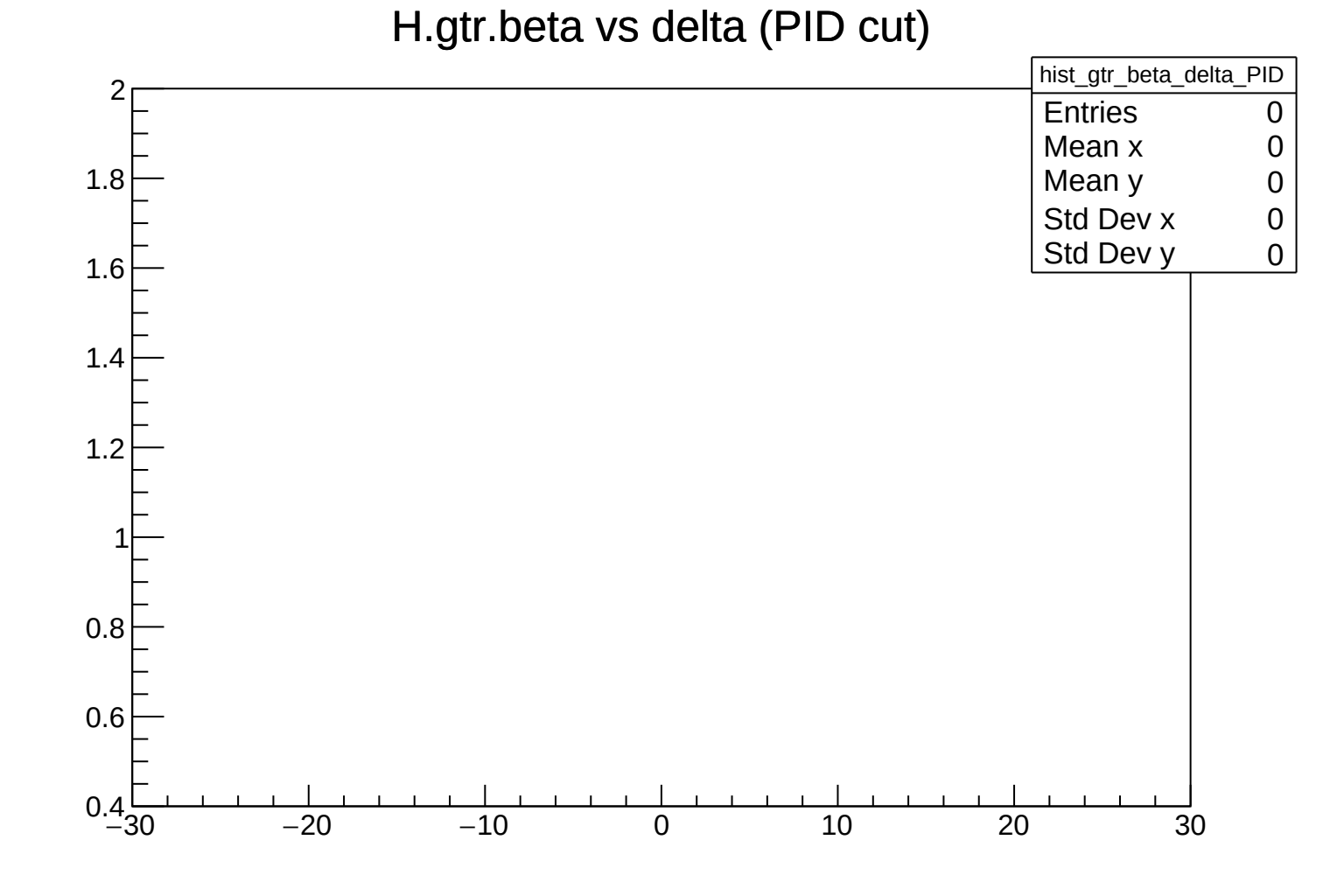

H.gtr.beta vs y_fp
hist_gtr_beta_yfp
Entries 166121
Mean x 2.099
Mean y 0.9354
Std Dev x 6.647
Std Dev y 0.03901
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
−30
−20
−10
0
10
20
30
600
500
400
300
200
100
0

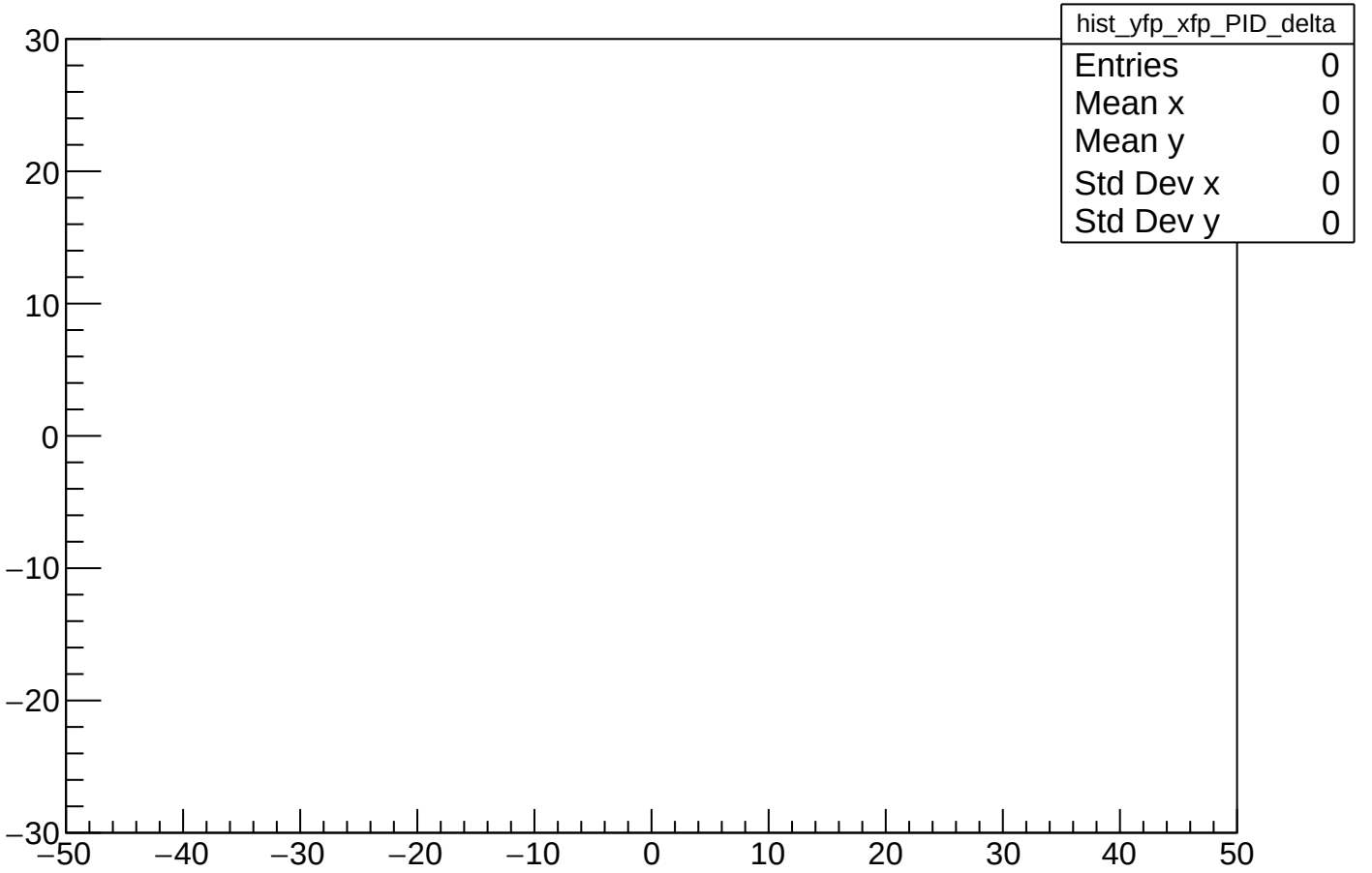

H.gtr.beta vs delta
hist_gtr_beta_delta
Entries 166121
Mean x −2.86
Mean y 0.9362
Std Dev x 3.362
Std Dev y 0.03648
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
−30
−20
−10
0
10
20
30
1200
1000
800
600
400
200
0

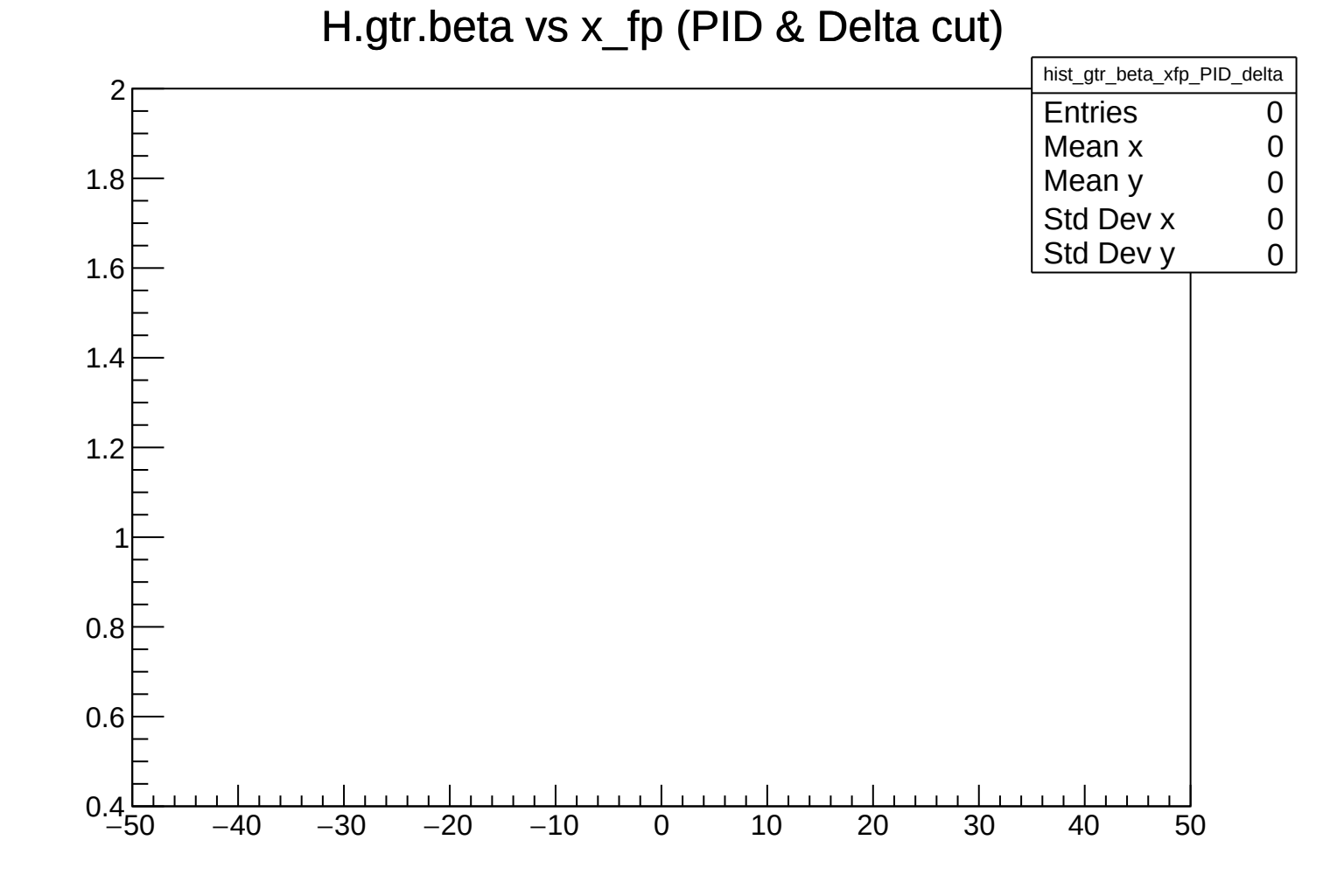

focal plane (PID cut)
hist_yfp_xfp_PID
Entries 0
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
30
20
10
0
−10
−20
−30
−50
−40
−30
−20
−10
0
10
20
30
40
50

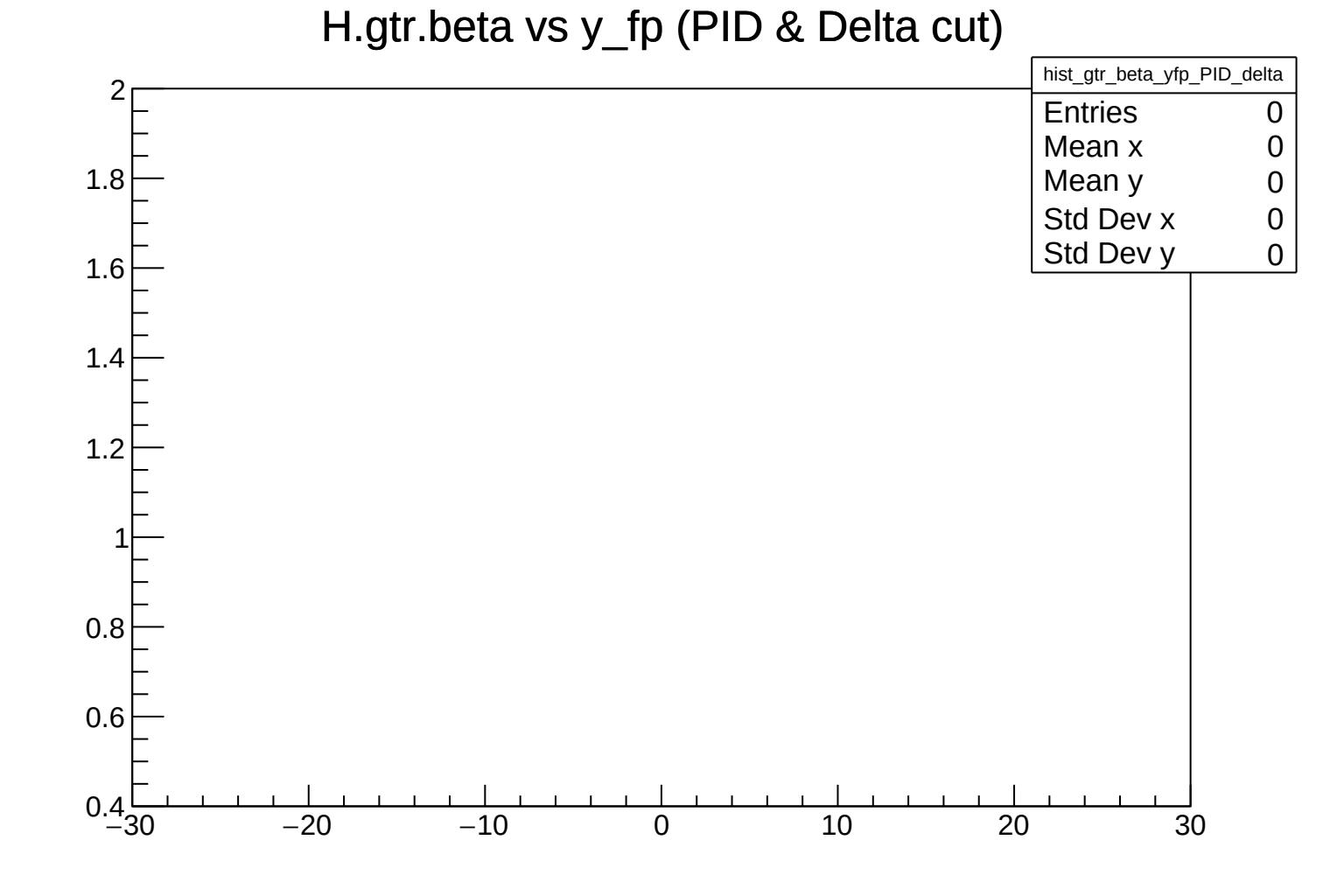

H.gtr.beta vs x_fp (PID cut)
hist_gtr_beta_xfp_PID
Entries 0
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
−50
−40
−30
−20
−10
0
10
20
30
40
50

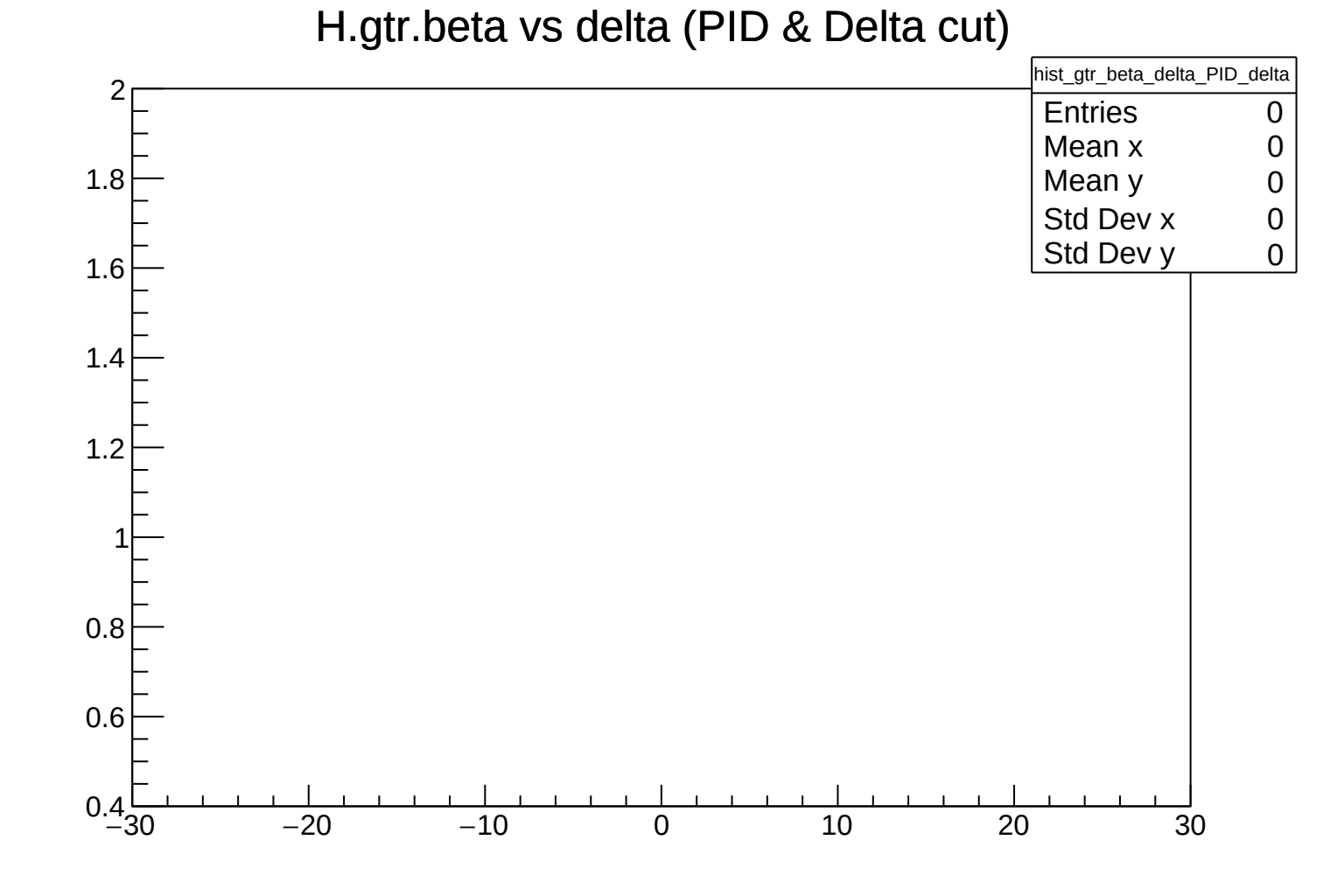

H.gtr.beta vs y_fp (PID cut)
hist_gtr_beta_yfp_PID
Entries 0
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
−30
−20
−10
0
10
20
30


H.gtr.beta vs delta (PID cut)
hist_gtr_beta_delta_PID
Entries 0
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
−30
−20
−10
0
10
20
30


focal plane (PID & Delta cut)
hist_yfp_xfp_PID_delta
Entries 0
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
30
20
10
0
−10
−20
−30
−50
−40
−30
−20
−10
0
10
20
30
40
50


H.gtr.beta vs x_fp (PID & Delta cut)
hist_gtr_beta_xfp_PID_delta
Entries 0
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
−50
−40
−30
−20
−10
0
10
20
30
40
50


H.gtr.beta vs y_fp (PID & Delta cut)
hist_gtr_beta_yfp_PID_delta
Entries 0
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
−30
−20
−10
0
10
20
30


H.gtr.beta vs delta (PID & Delta cut)
hist_gtr_beta_delta_PID_delta
Entries 0
Mean x 0
Mean y 0
Std Dev x 0
Std Dev y 0
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
−30
−20
−10
0
10
20
30