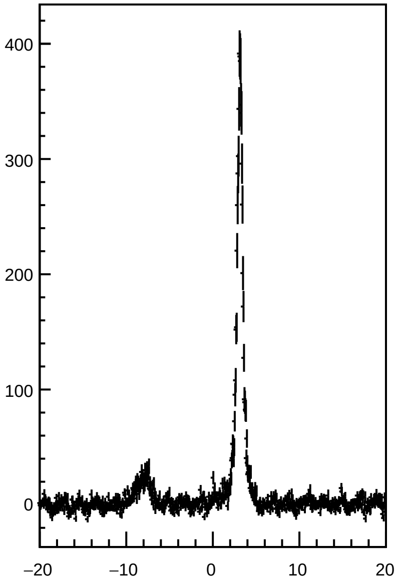
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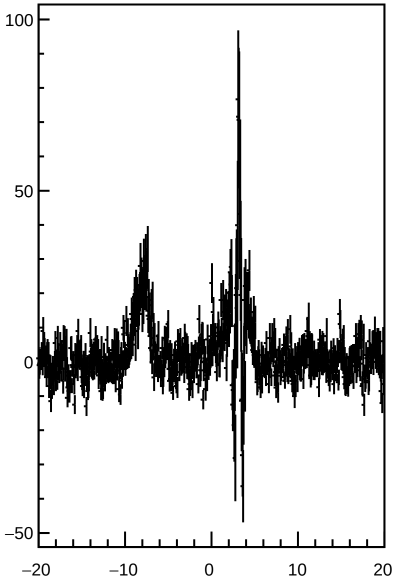
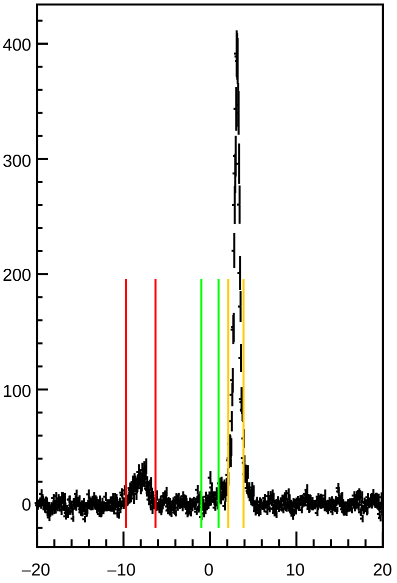

No Z cut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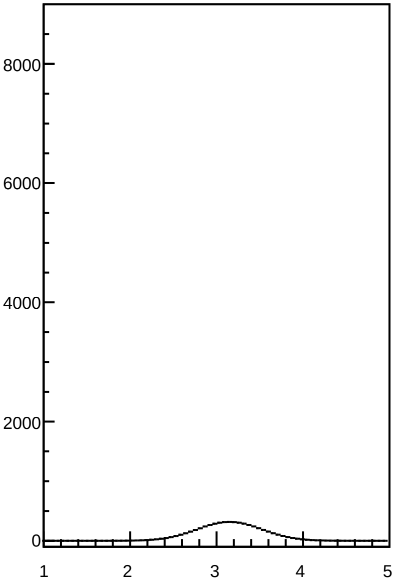
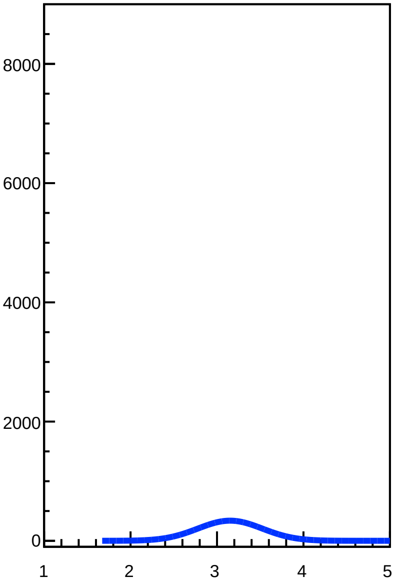
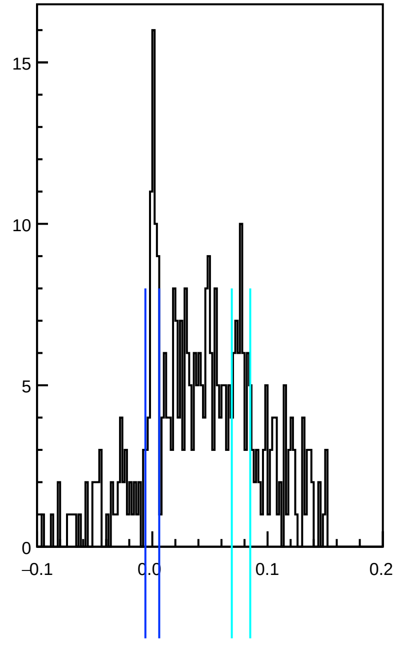
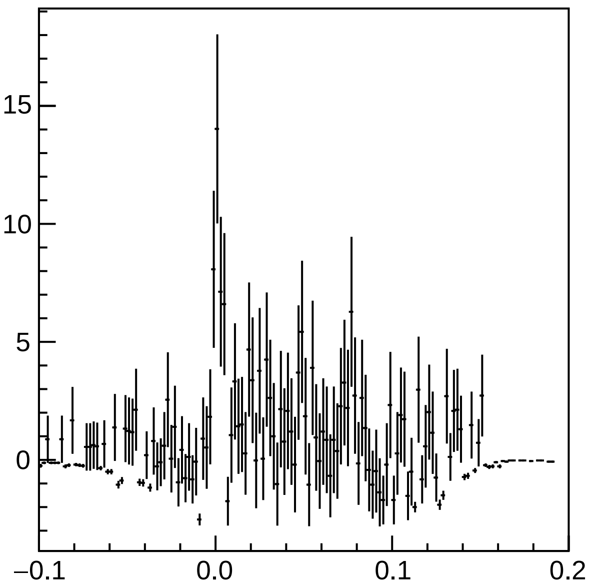
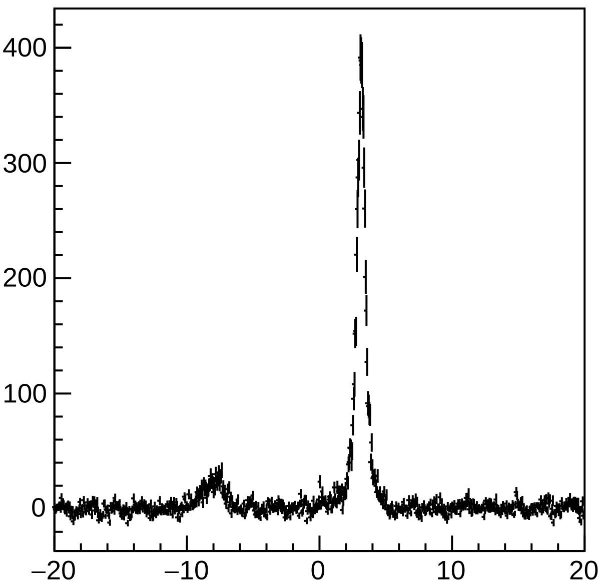
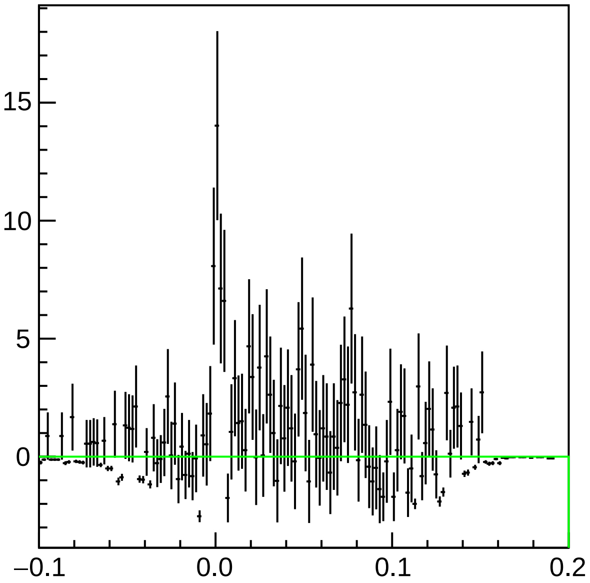





No Z cut


No Z cut


No Z cut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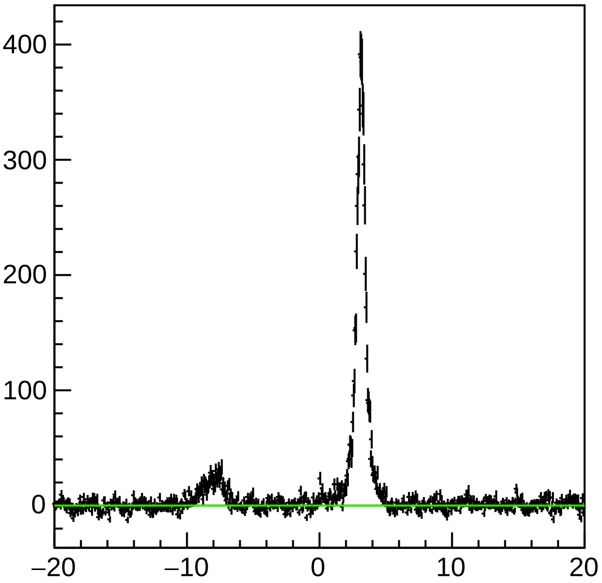
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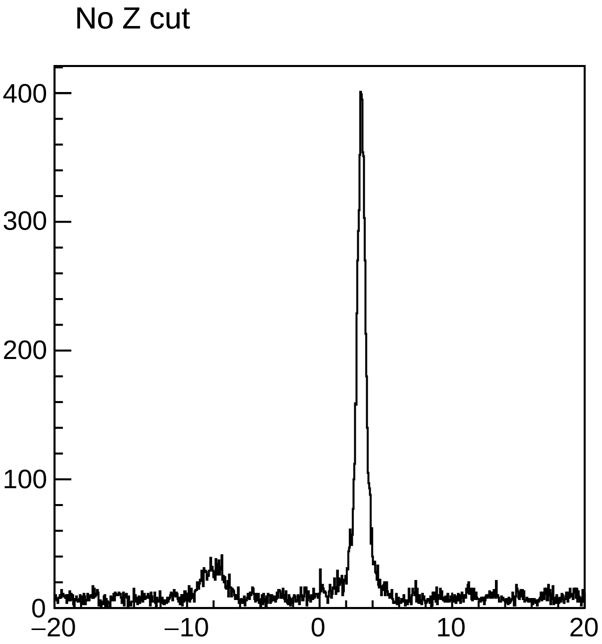
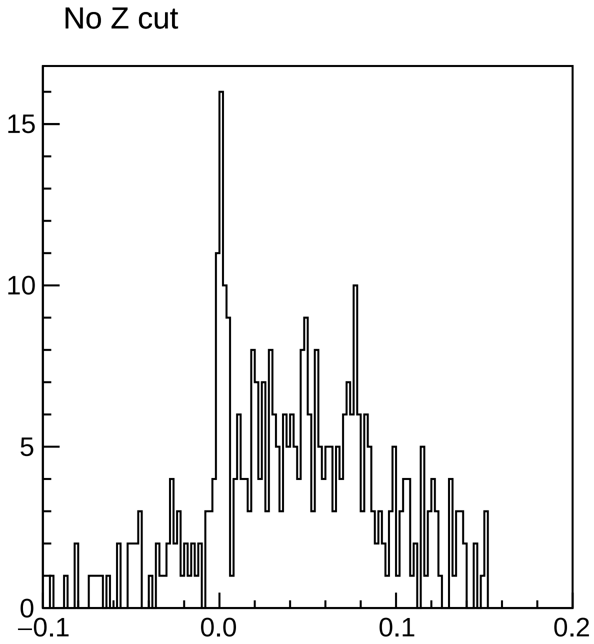
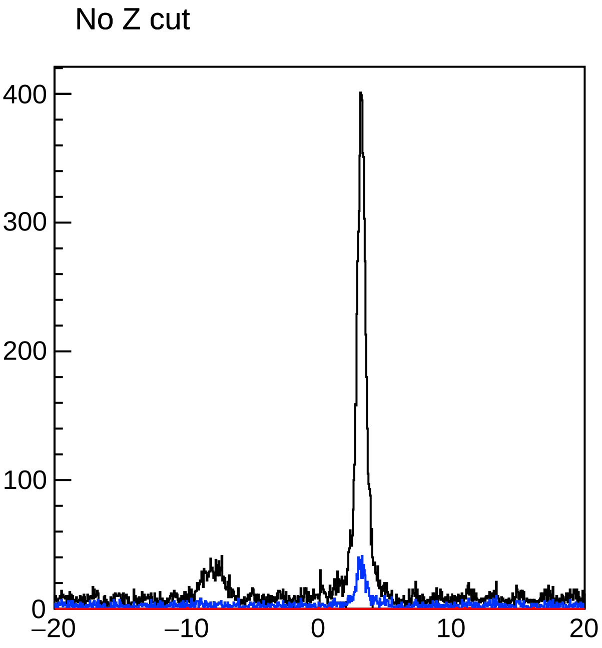
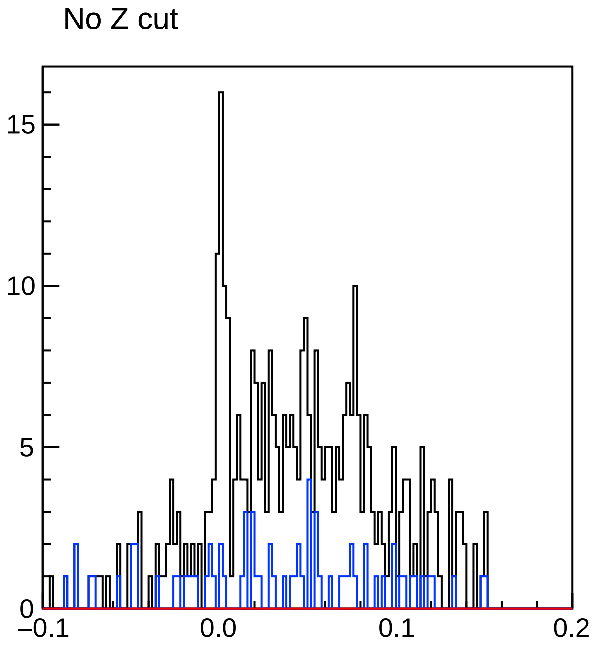
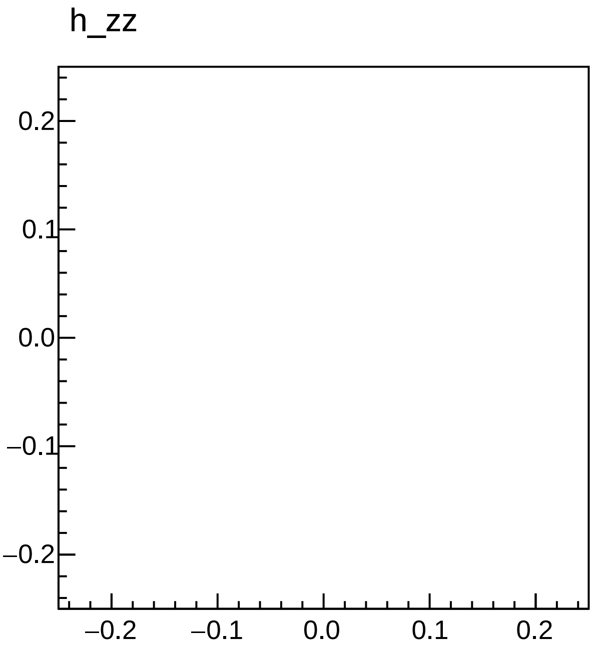
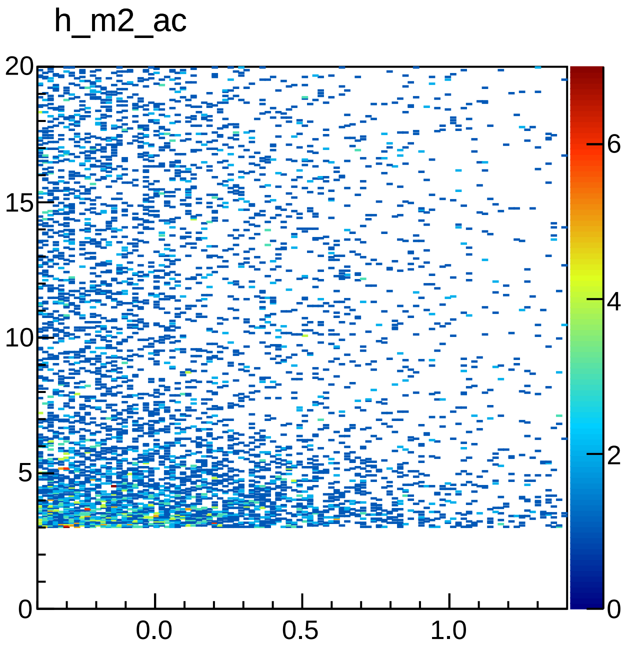

No Z cut
400
300
200
100
0
−20
−10
0
10
20


No Z cut
15
10
5
0
−0.1
0.0
0.1
0.2

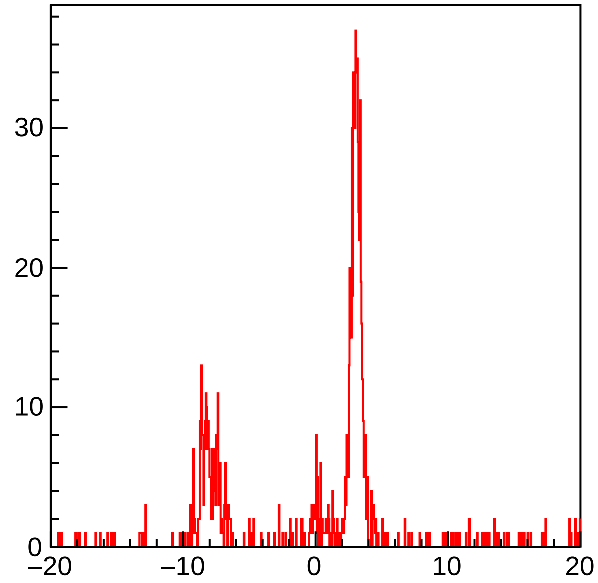

No Z cut
400
300
200
100
0
−20
−10
0
10
20


No Z cut
15
10
5
0
−0.1
0.0
0.1
0.2

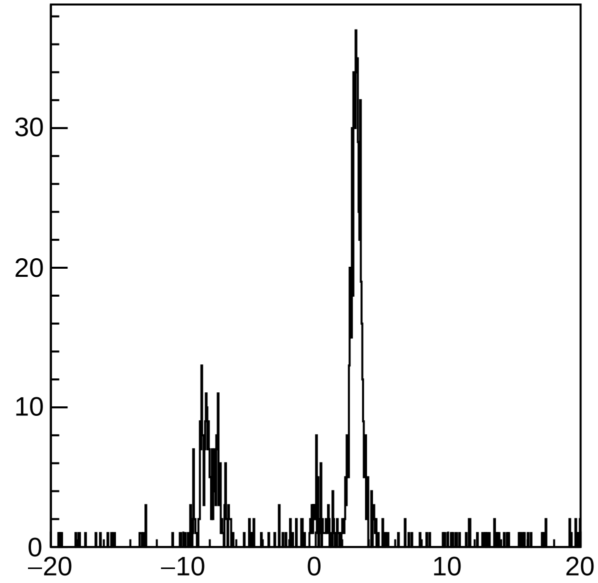

h_zz
0.2
0.1
0.0
−0.1
−0.2
−0.2
−0.1
0.0
0.1
0.2


h_m2_ac
20
15
10
5
0
0.0
0.5
1.0
6
4
2
0

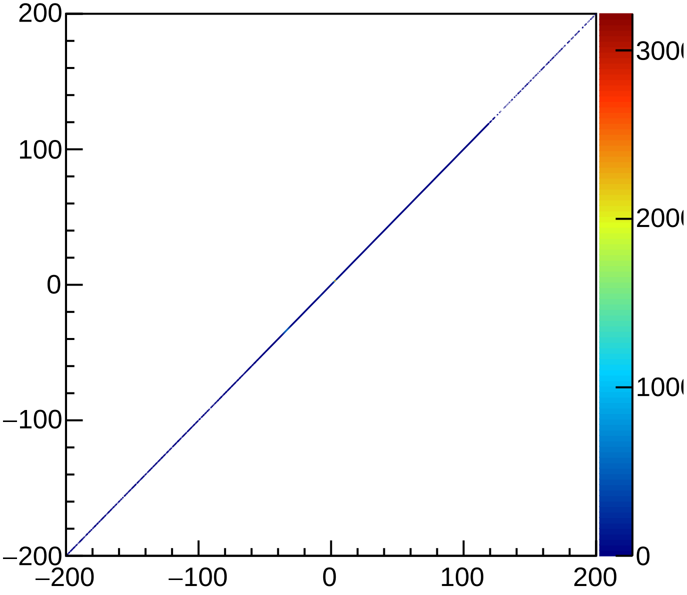
Cointime_after



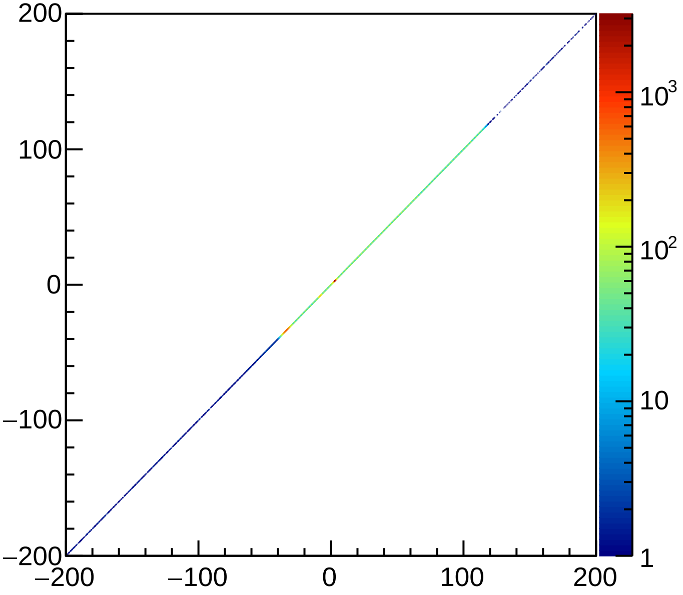
Cointime_before

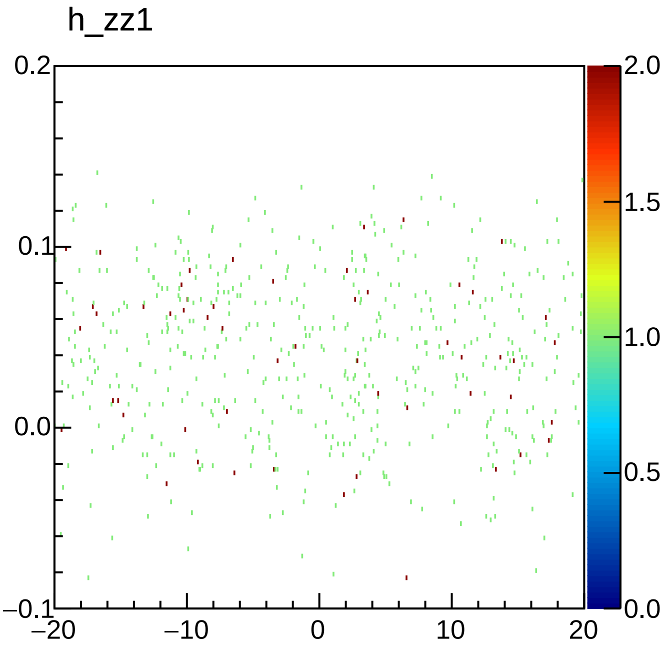


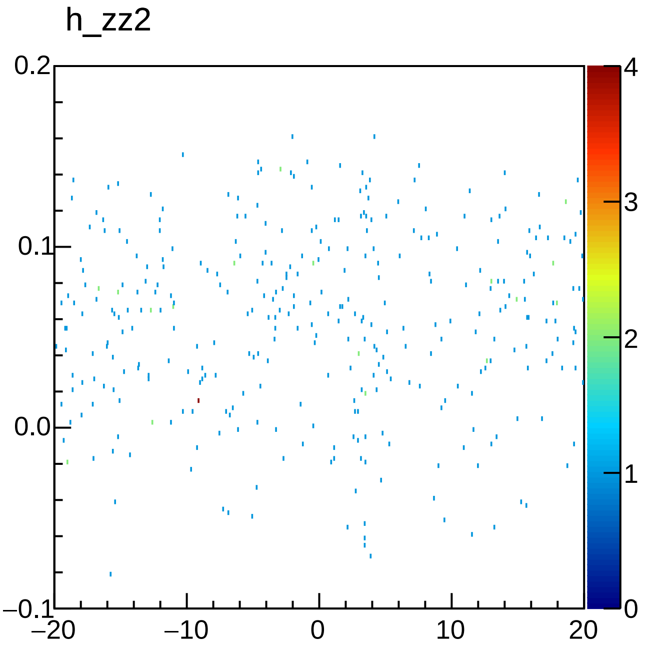
ct(w/o corr.):ct(w/ corr.)

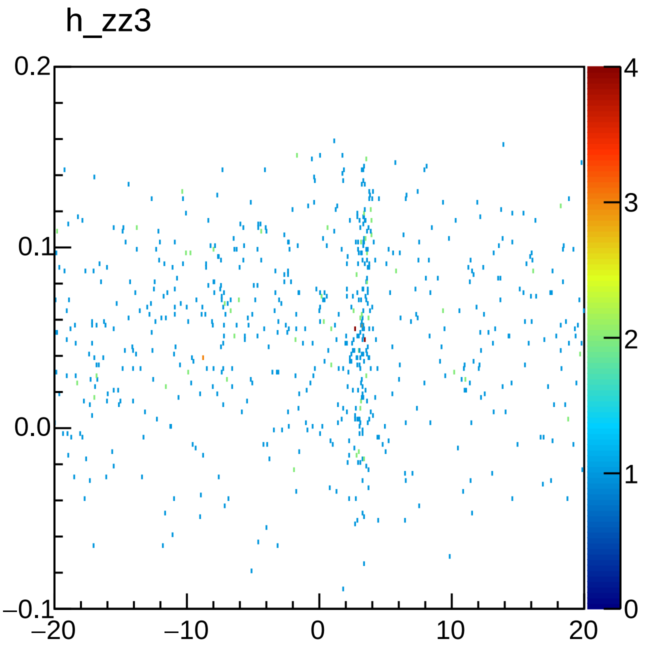


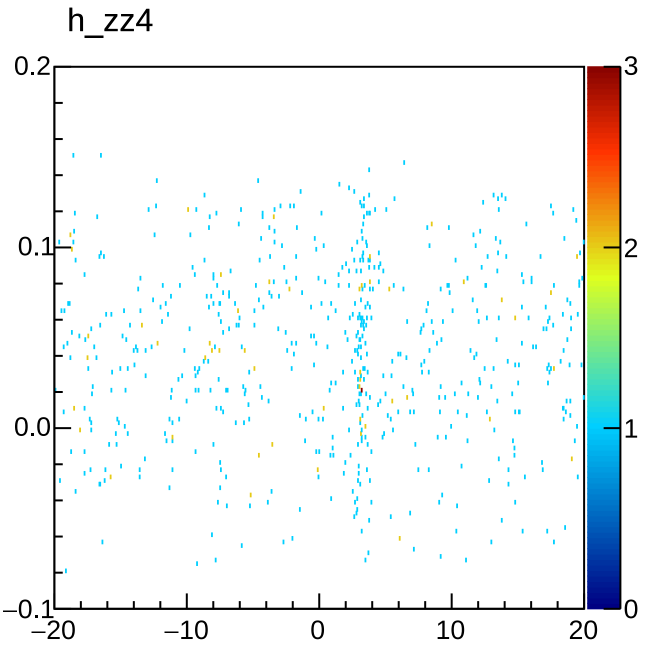
ct(w/o corr.):ct(w/ corr.)

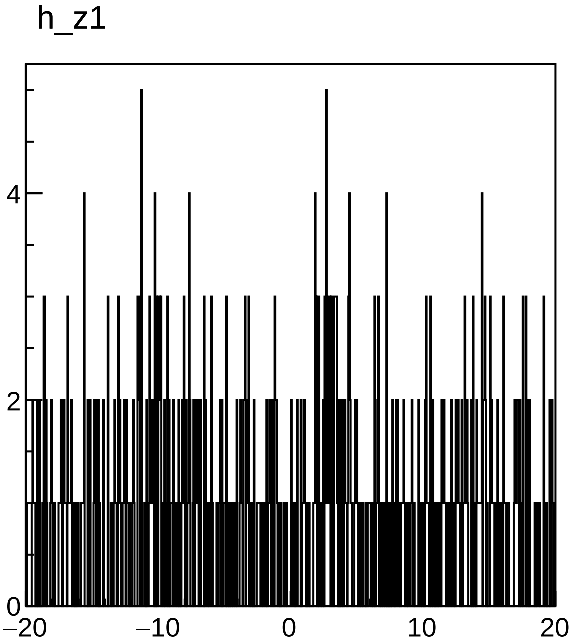


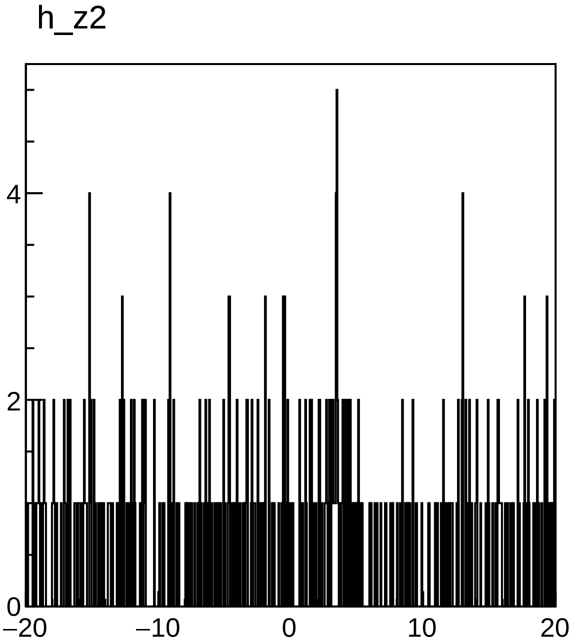

h_zz1
0.2
0.1
0.0
−0.1
−20
−10
0
10
20
2.0
1.5
1.0
0.5
0.0

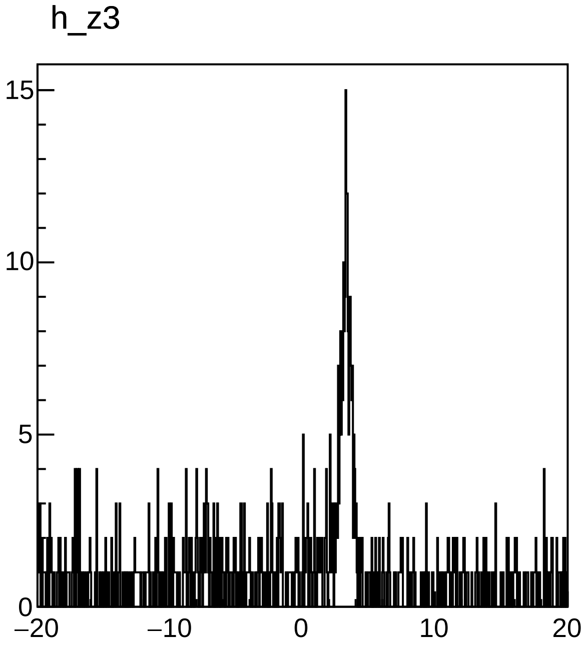

h_zz2
0.2
0.1
0.0
−0.1
−20
−10
0
10
20
4
3
2
1
0

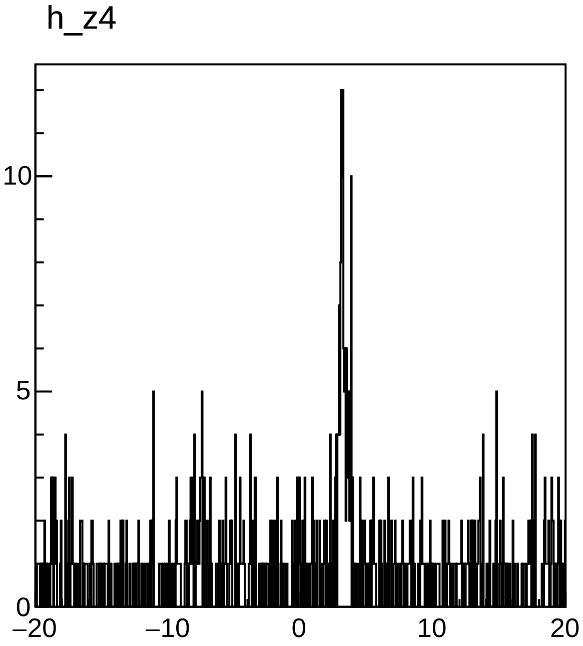

h_zz3
0.2
0.1
0.0
−0.1
−20
−10
0
10
20
4
3
2
1
0

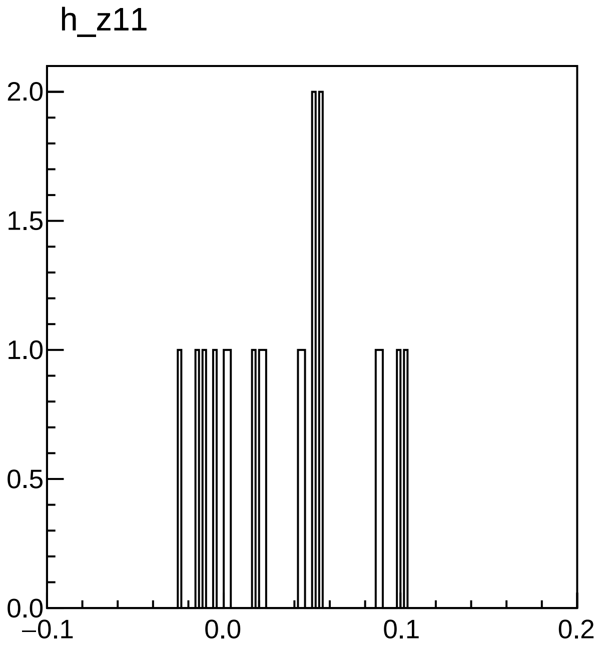

h_zz4
0.2
0.1
0.0
−0.1
−20
−10
0
10
20
3
2
1
0

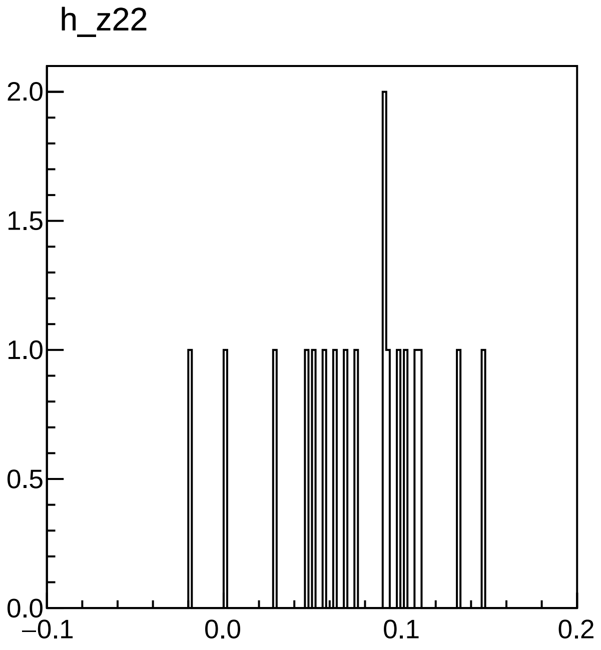

h_z1
0
2
4
–20
–10
0
10
20

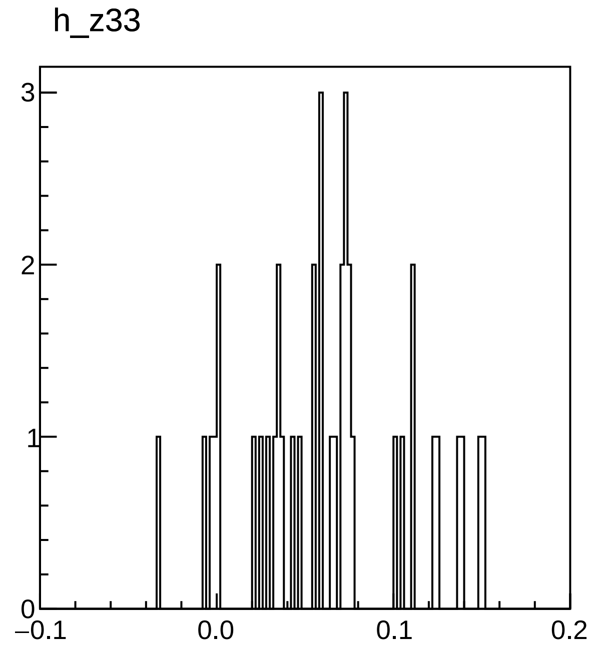

h_z2
0
2
4
–20
–10
0
10
20

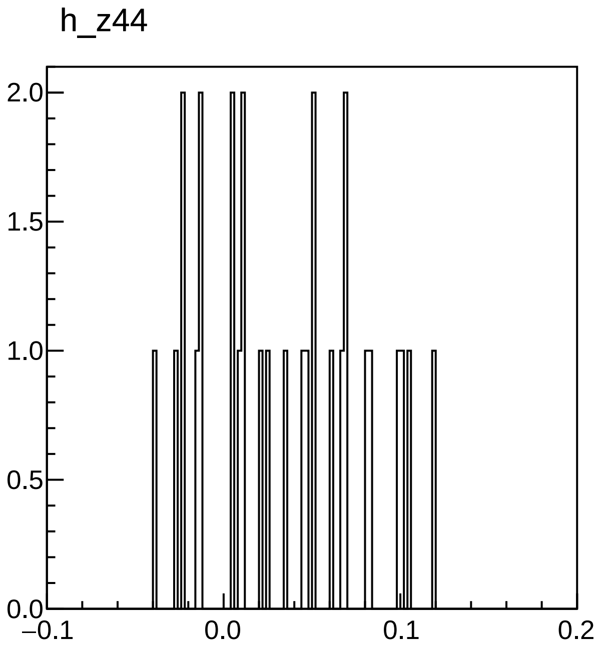

h_z3
0
5
10
15
–20
–10
0
10
20

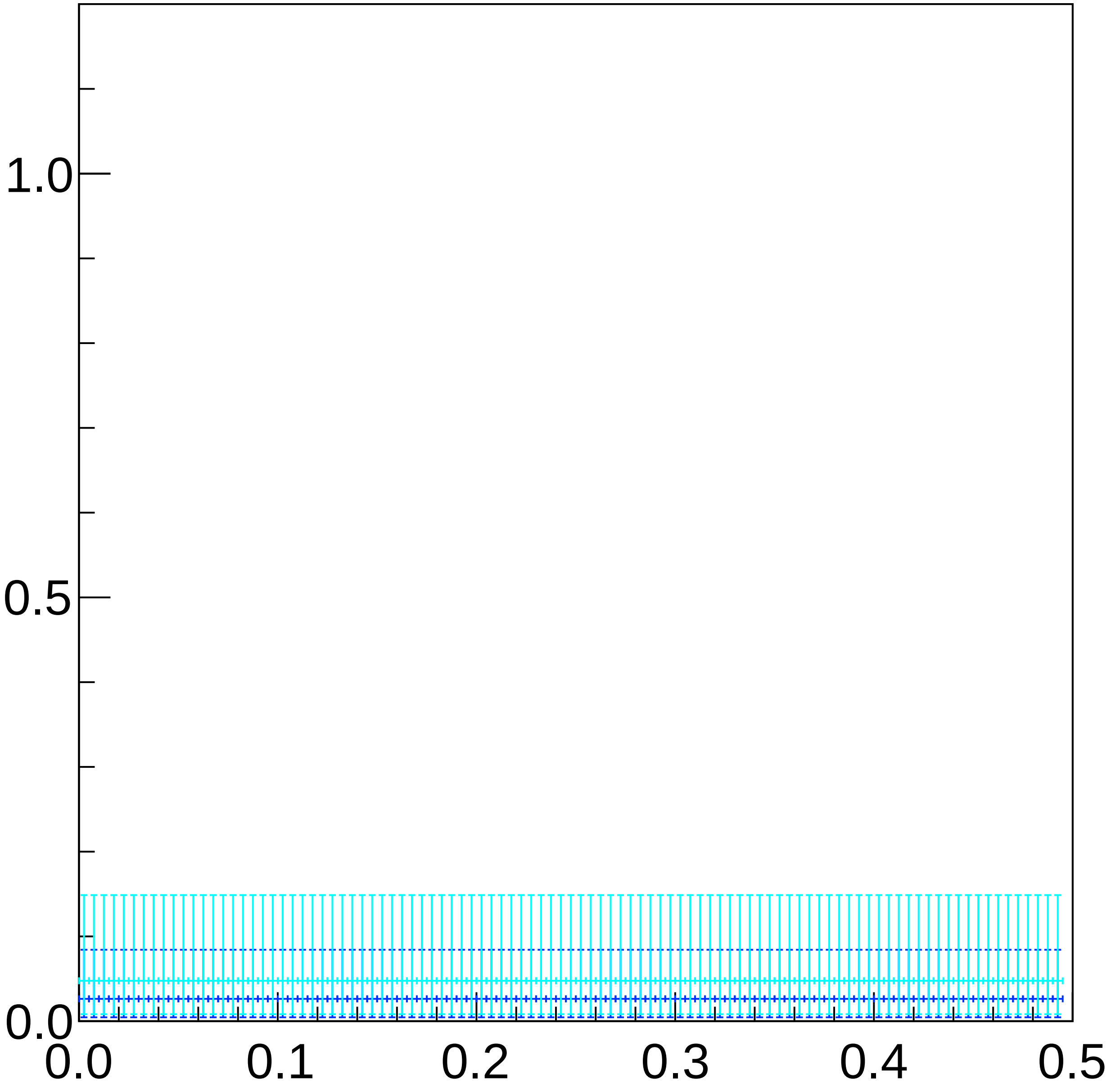

h_z4
0
5
10
–20
–10
0
10
20

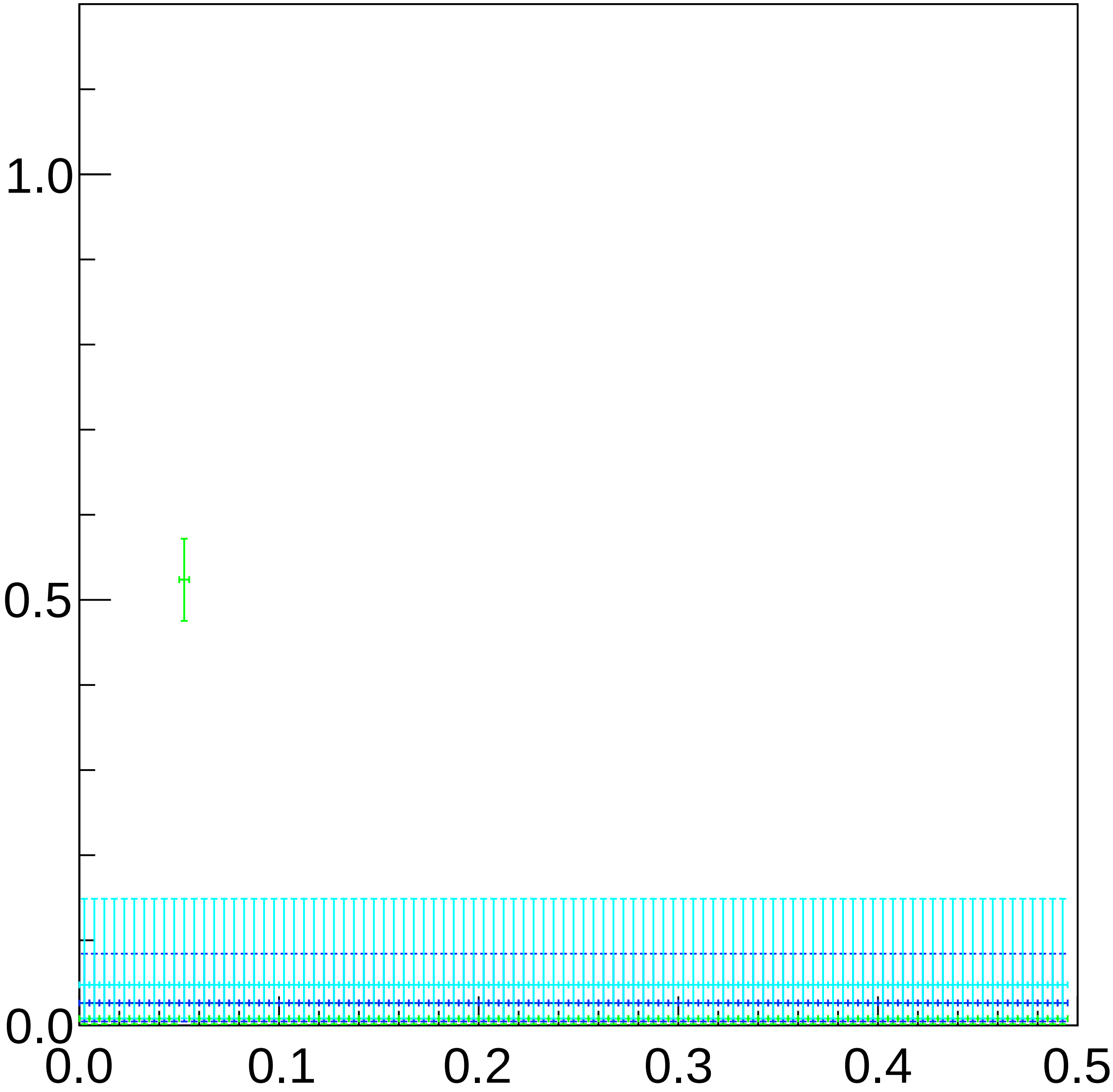

h_z11
2.0
1.5
1.0
0.5
0.0
−0.1
0.0
0.1
0.2

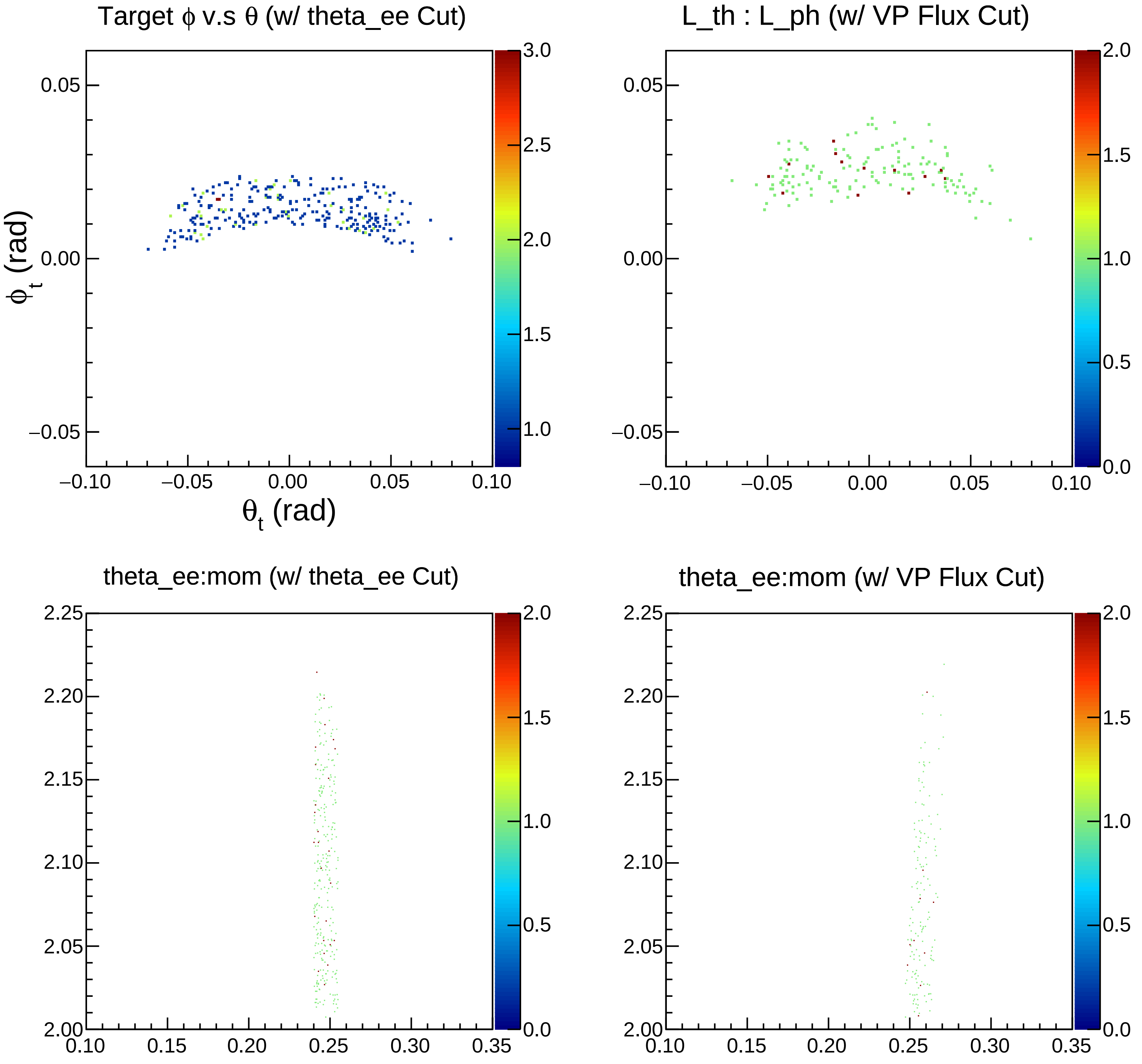

h_z22
2.0
1.5
1.0
0.5
0.0
−0.1
0.0
0.1
0.2

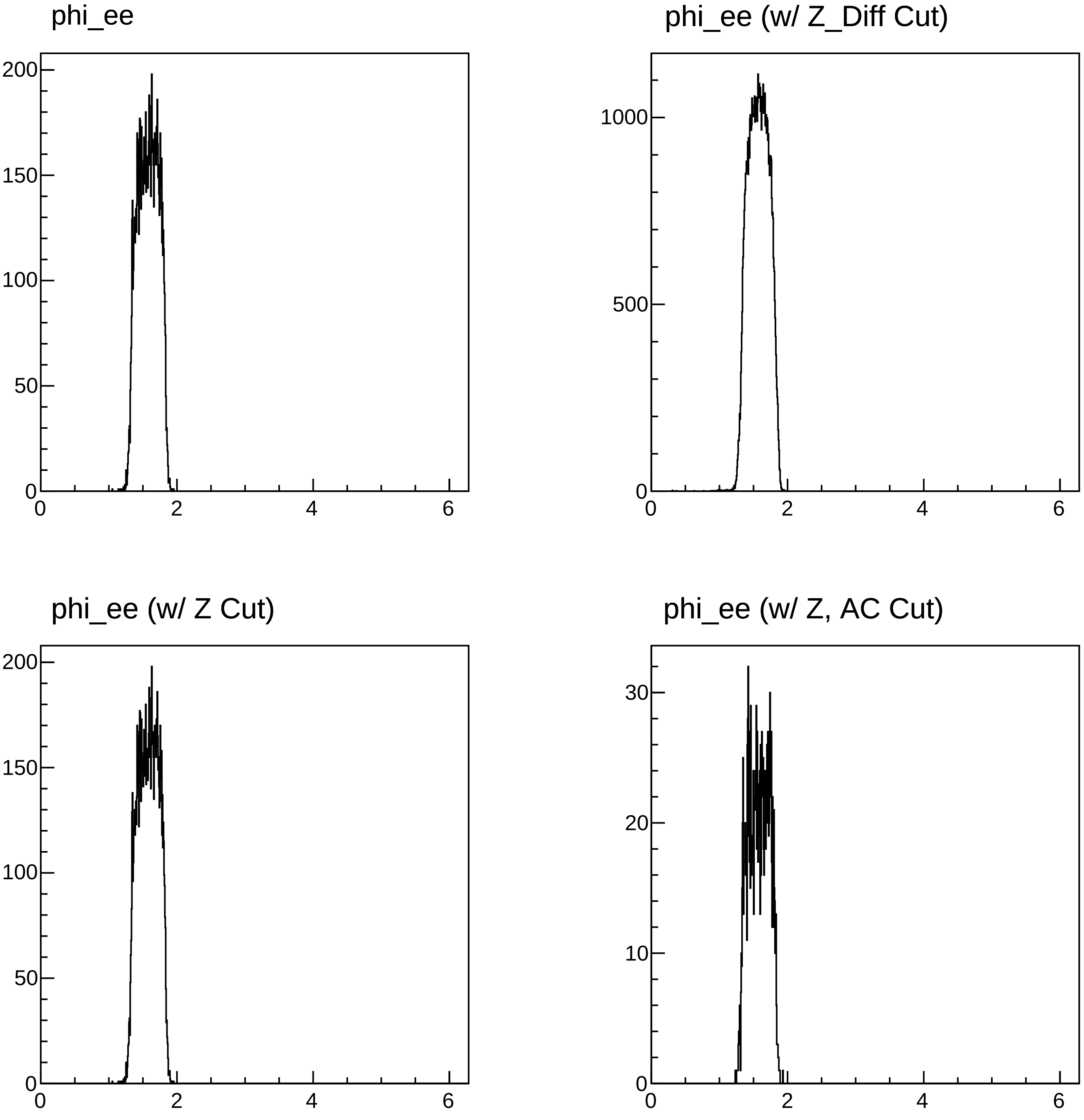

h_z33
3
2
1
0
−0.1
0.0
0.1
0.2


h_z44
2.0
1.5
1.0
0.5
0.0
−0.1
0.0
0.1
0.2


1.0
0.5
0.0
0.0
0.1
0.2
0.3
0.4
0.5


1.0
0.5
0.0
0.0
0.1
0.2
0.3
0.4
0.5


Target ϕ v.s θ (w/ theta_ee Cut)
ϕ_t (rad)
θ_t (rad)
0.05
0.00
−0.05
−0.10
−0.05
0.00
0.05
0.10
3.0
2.5
2.0
1.5
1.0
L_th : L_ph (w/ VP Flux Cut)
0.05
0.00
−0.05
−0.10
−0.05
0.00
0.05
0.10
2.0
1.5
1.0
0.5
0.0
theta_ee:mom (w/ theta_ee Cut)
2.25
2.20
2.15
2.10
2.05
2.00
0.10
0.15
0.20
0.25
0.30
0.35
2.0
1.5
1.0
0.5
0.0
theta_ee:mom (w/ VP Flux Cut)
2.25
2.20
2.15
2.10
2.05
2.00
0.10
0.15
0.20
0.25
0.30
0.35
2.0
1.5
1.0
0.5
0.0

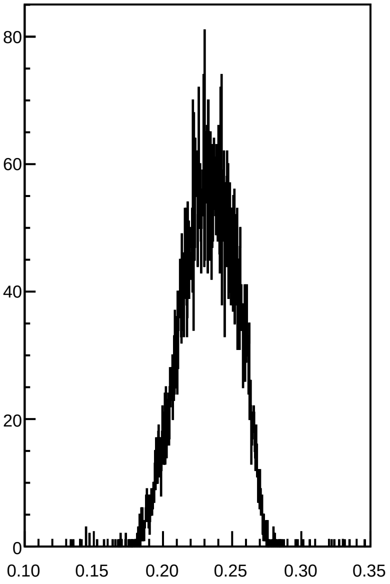


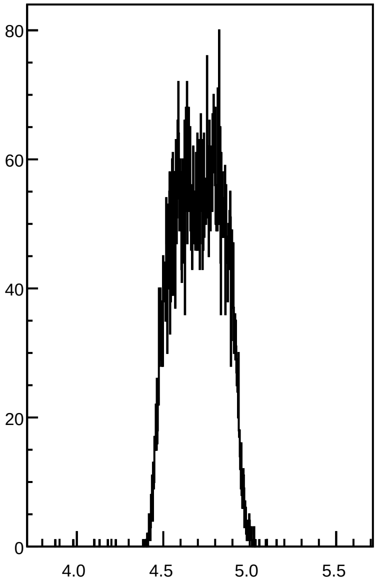
phi_ee

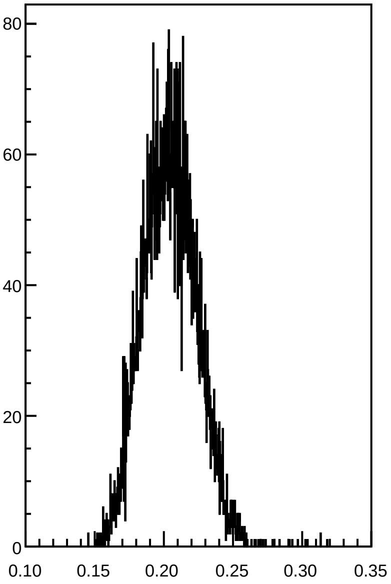
phi_ee (w/ Z_Diff Cut)

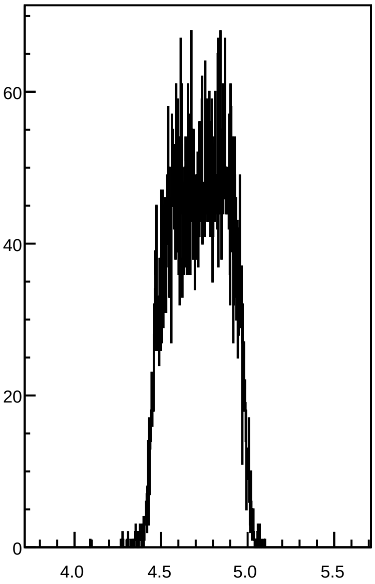
phi_ee (w/ Z Cut)

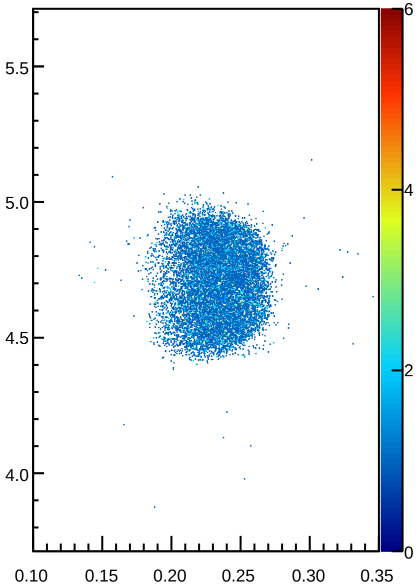
phi_ee (w/ Z, AC Cut)

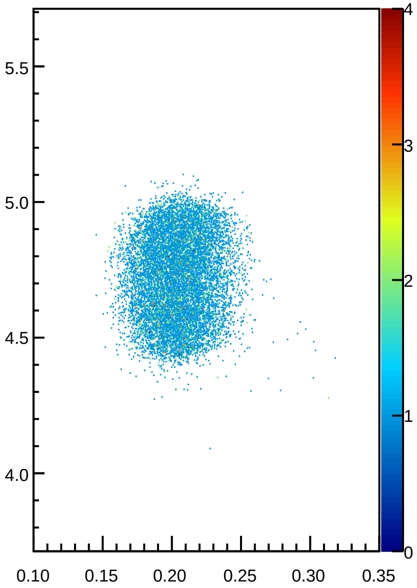

theta_ek

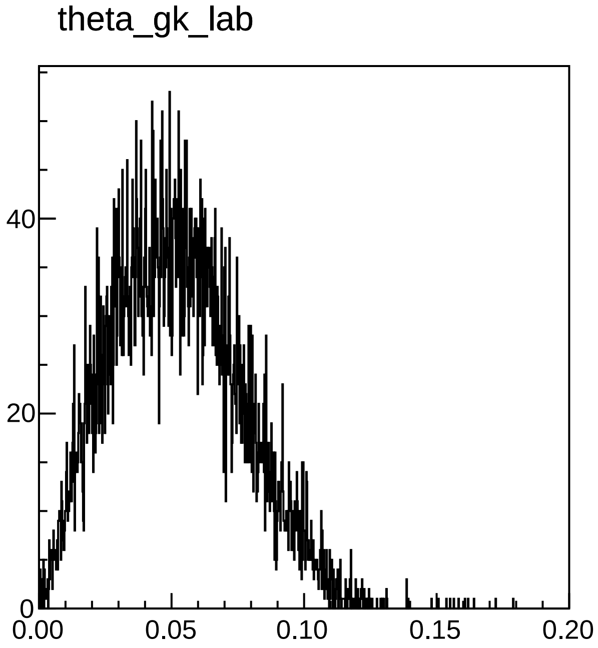

phi_ek

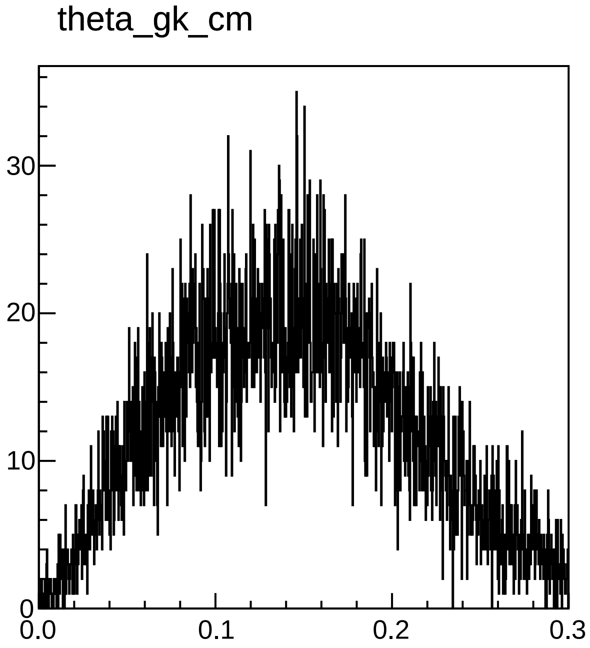

theta_g

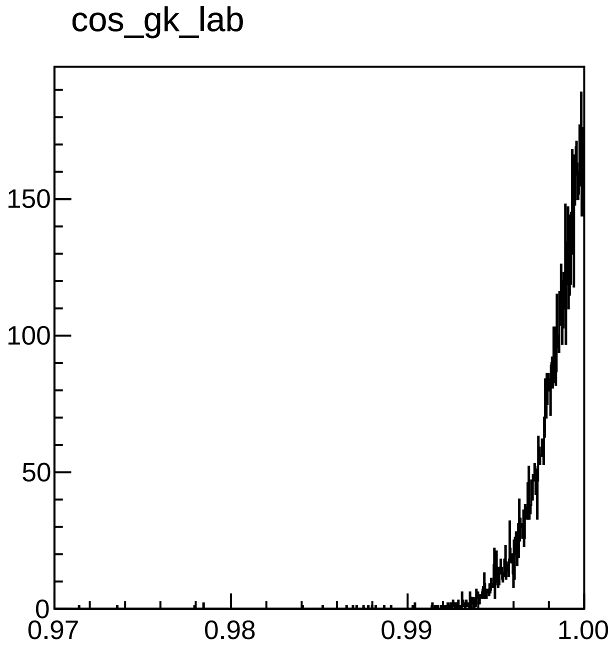

phi_g

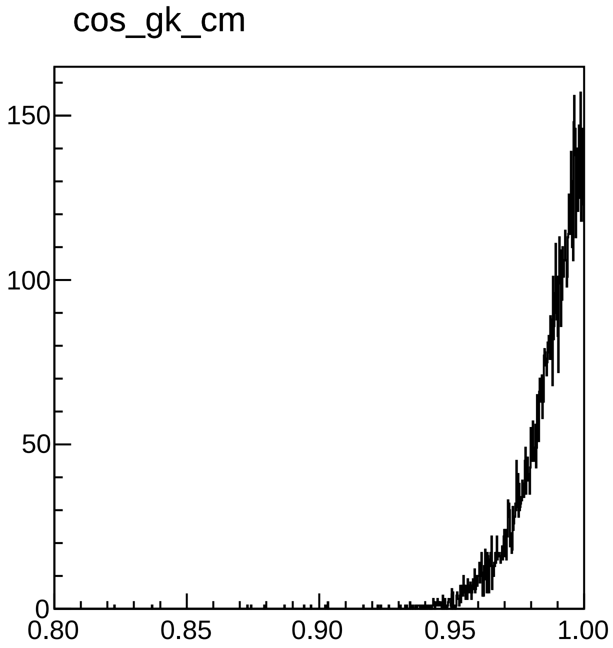

theta_ek:phi_ek


theta_g:phi_g

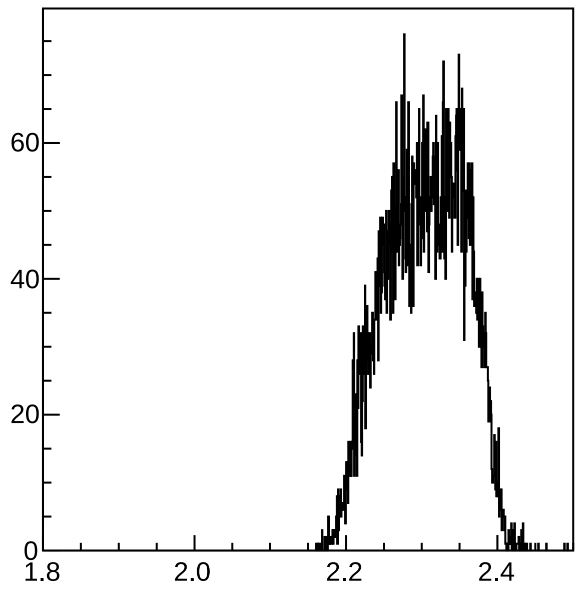

theta_gk_lab
40
20
0
0.00
0.05
0.10
0.15
0.20


theta_gk_cm
30
20
10
0
0.0
0.1
0.2
0.3

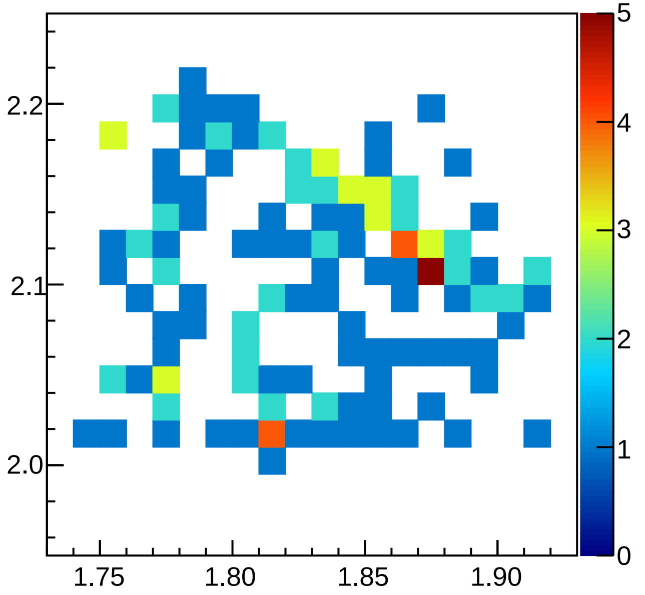

cos_gk_lab
150
100
50
0
0.97
0.98
0.99
1.00


cos_gk_cm
150
100
50
0
0.80
0.85
0.90
0.95
1.00

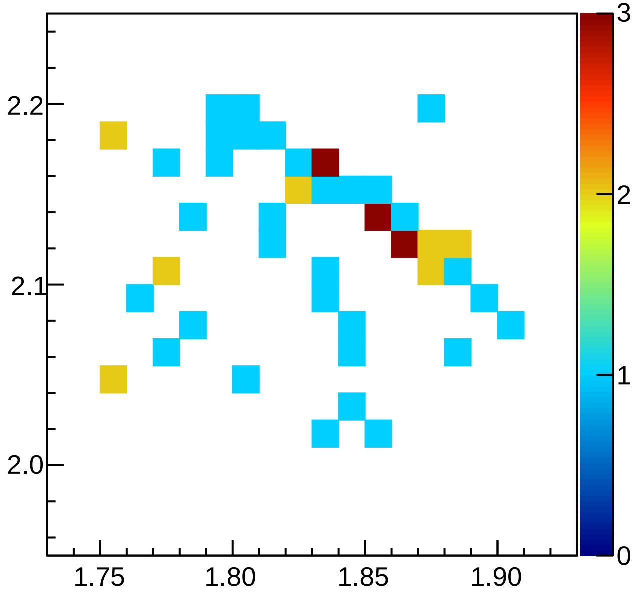
mom_g

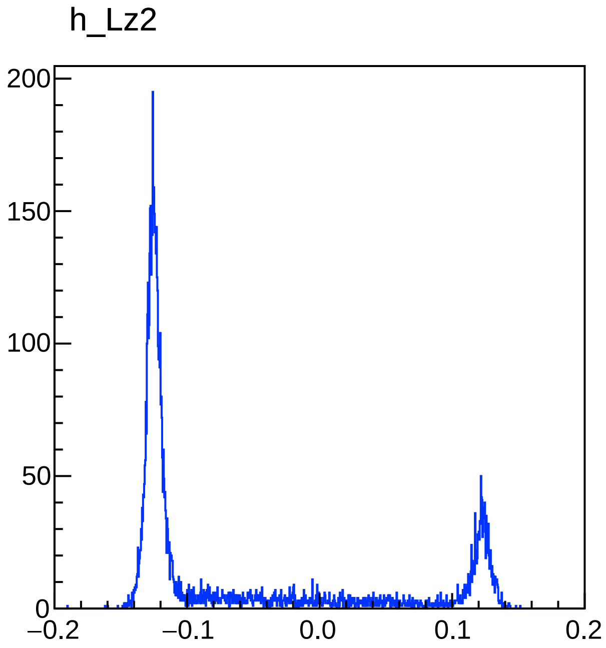


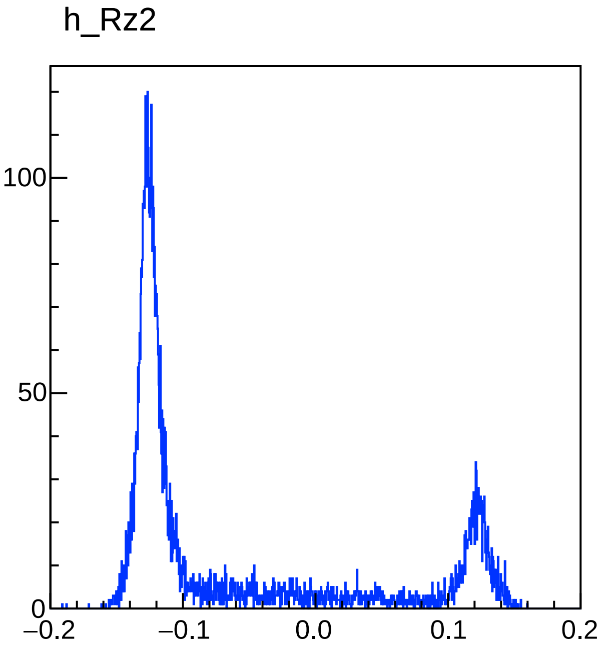
pR:pL

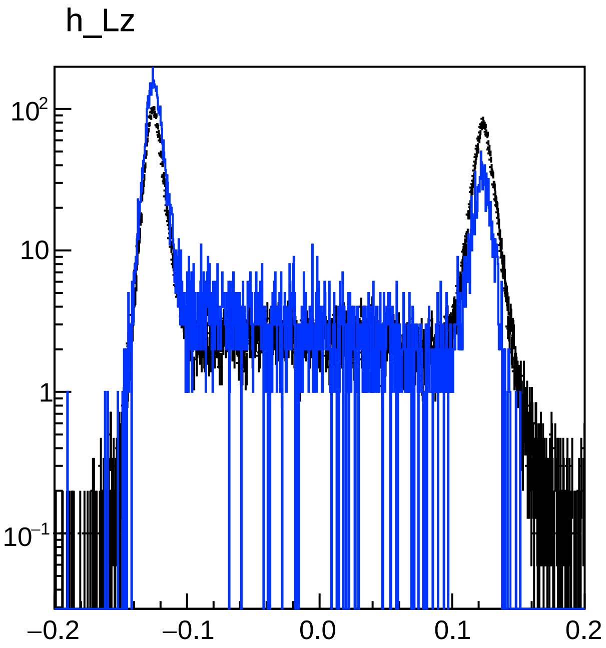


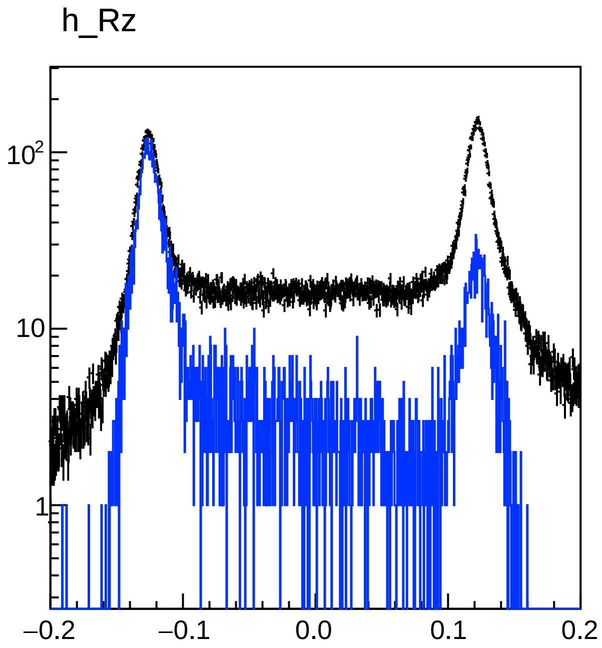
pR:pL (bestcut)



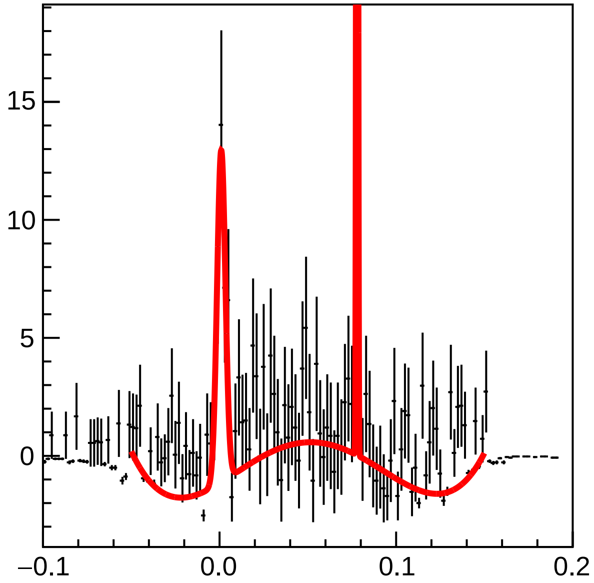

h_Lz2
200
150
100
50
0
−0.2
−0.1
0.0
0.1
0.2


h_Rz2
100
50
0
−0.2
−0.1
0.0
0.1
0.2

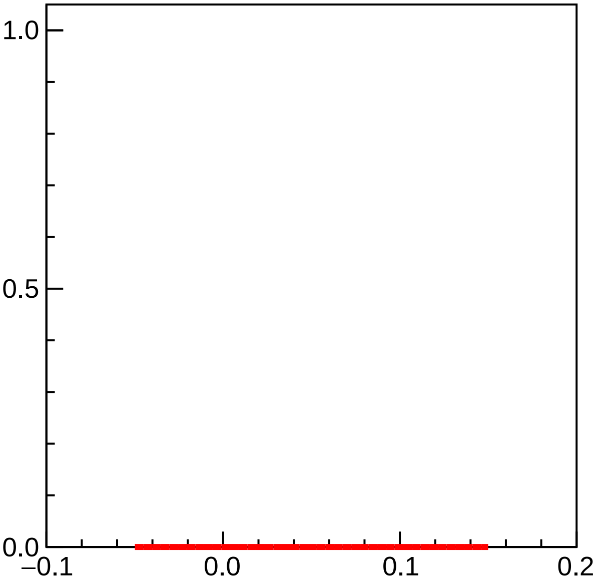

h_Lz
10^2
10
1
10^{-1}
−0.2
−0.1
0.0
0.1
0.2


h_Rz
10^2
10
1
−0.2
−0.1
0.0
0.1
0.2

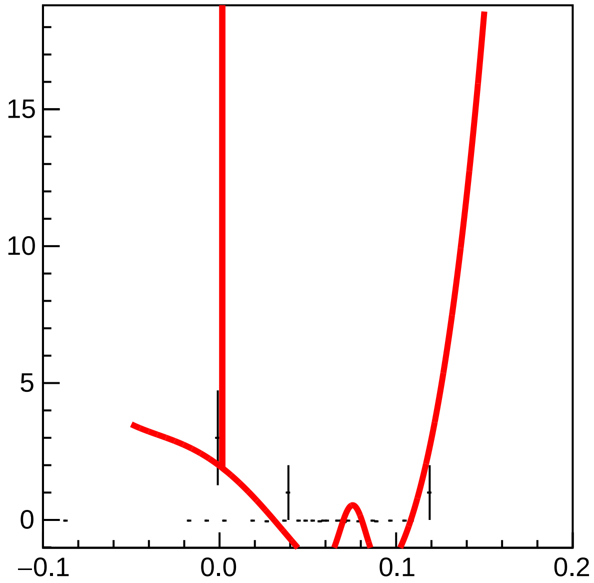
No Z cut



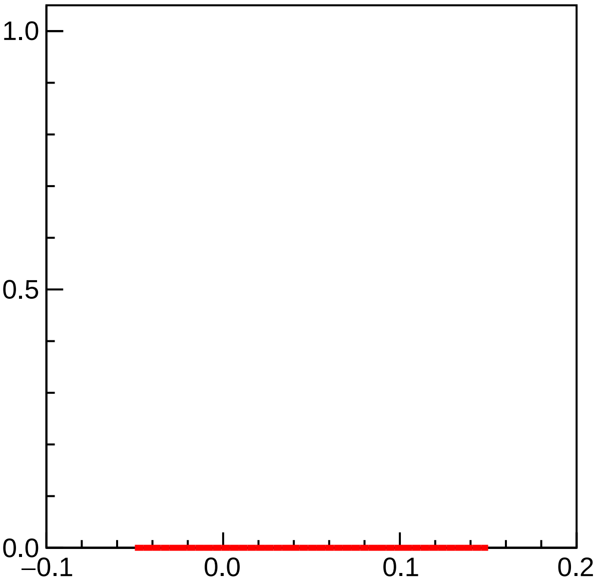
Missing Mass AC1<5.000000, 0.000000<AC2<0.000000 cut



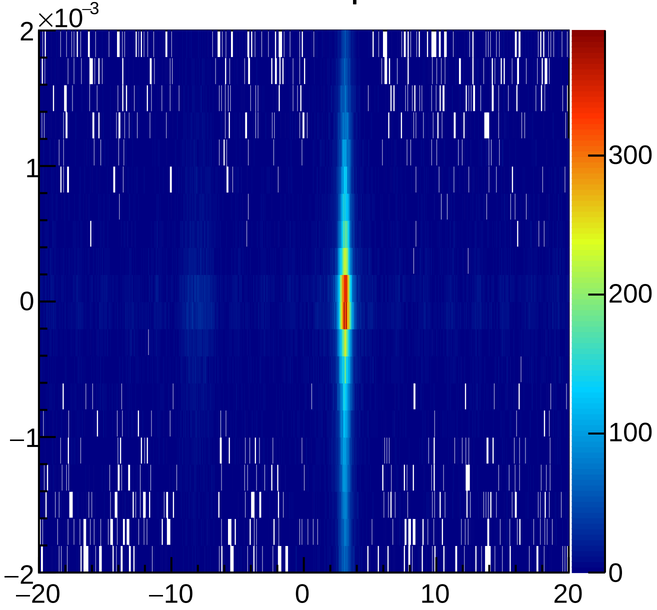
Missing Mass AC1<2.500000, 0.000000<AC2<0.000000 cut



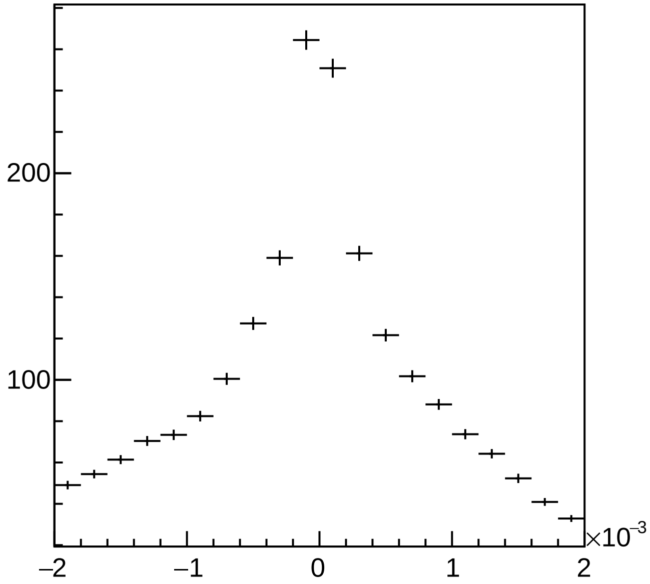
Missing Mass AC1<7.500000, 0.000000<AC2<0.000000 cut



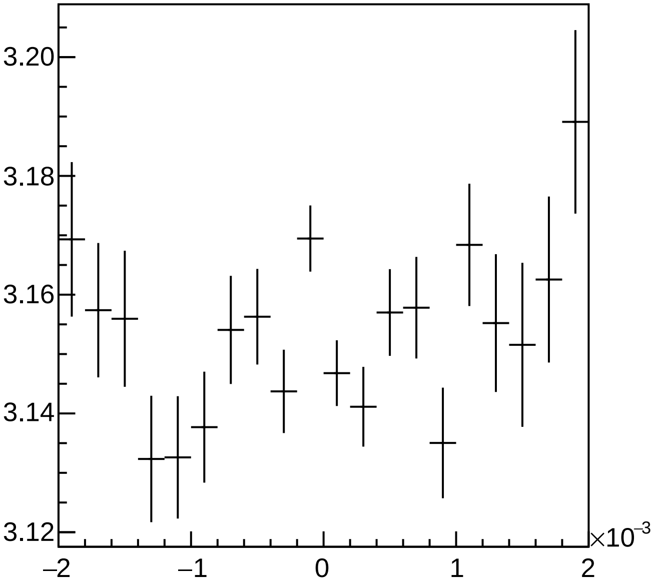
Cointime vs theta*phi



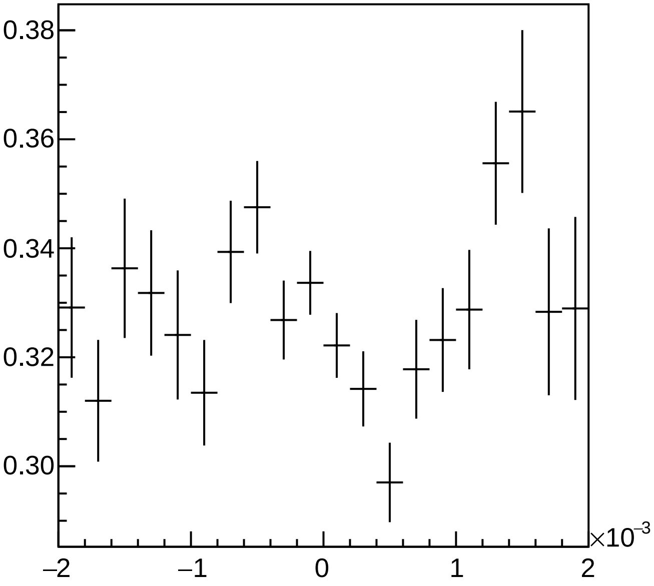
Fitted value of par[0]=p0

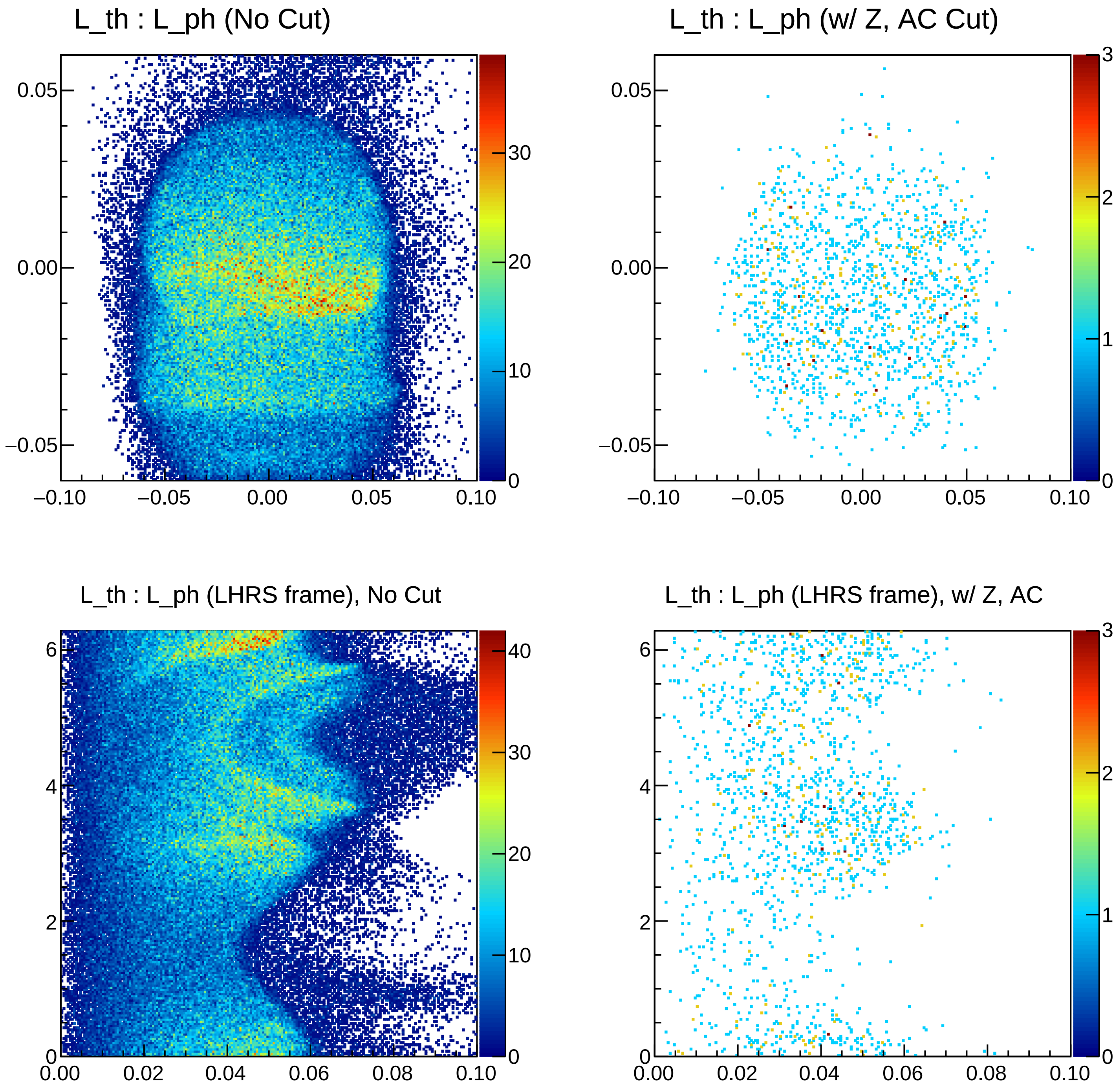


Fitted value of par[1]=p1



Fitted value of par[2]=p2



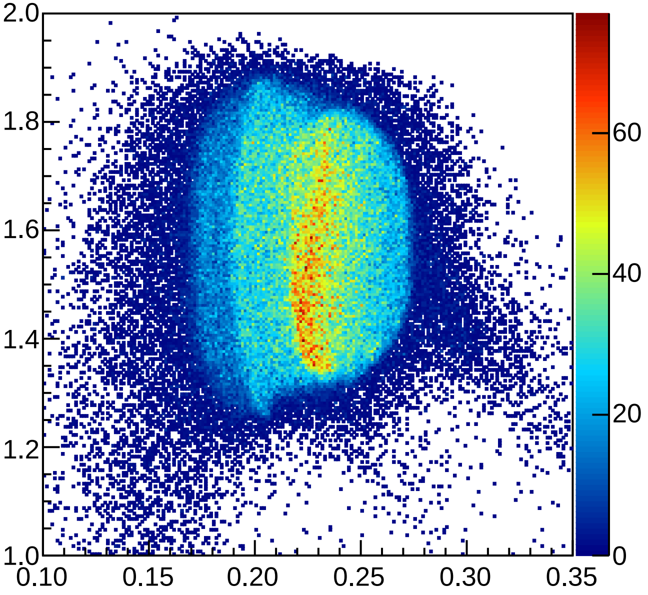


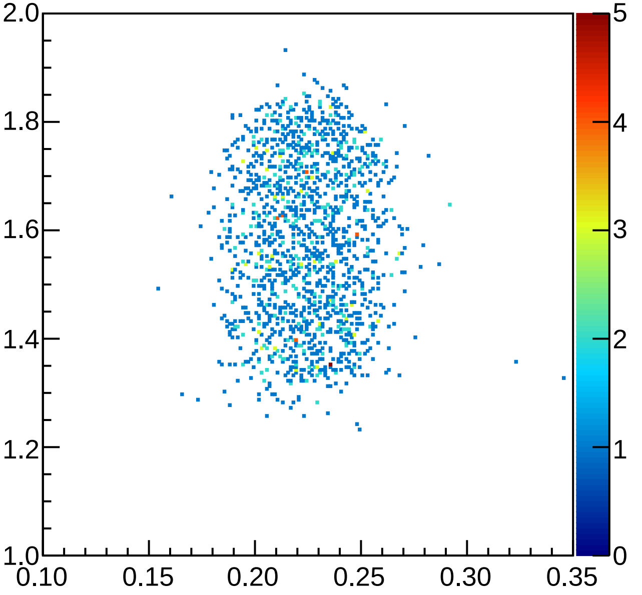
L_th : L_ph (No Cut)

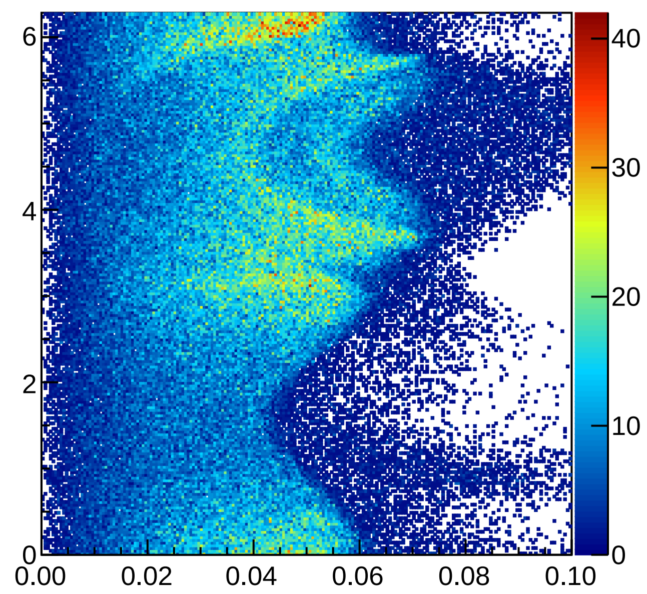
L_th : L_ph (w/ Z, AC Cut)

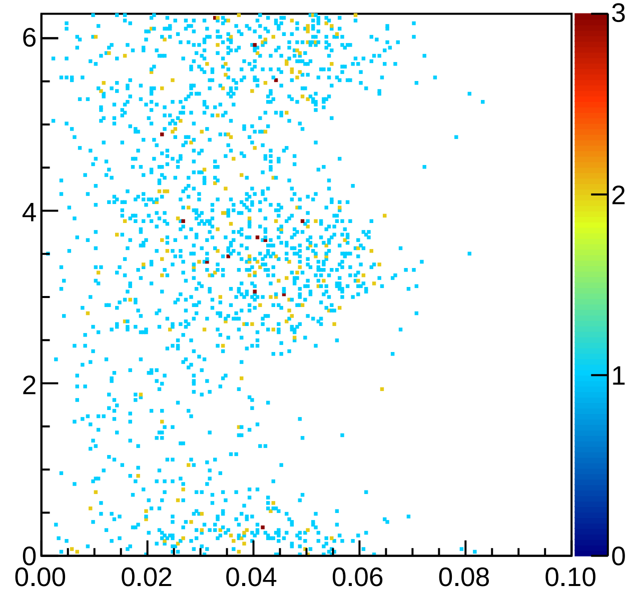
L_th : L_ph (LHRS frame), No Cut

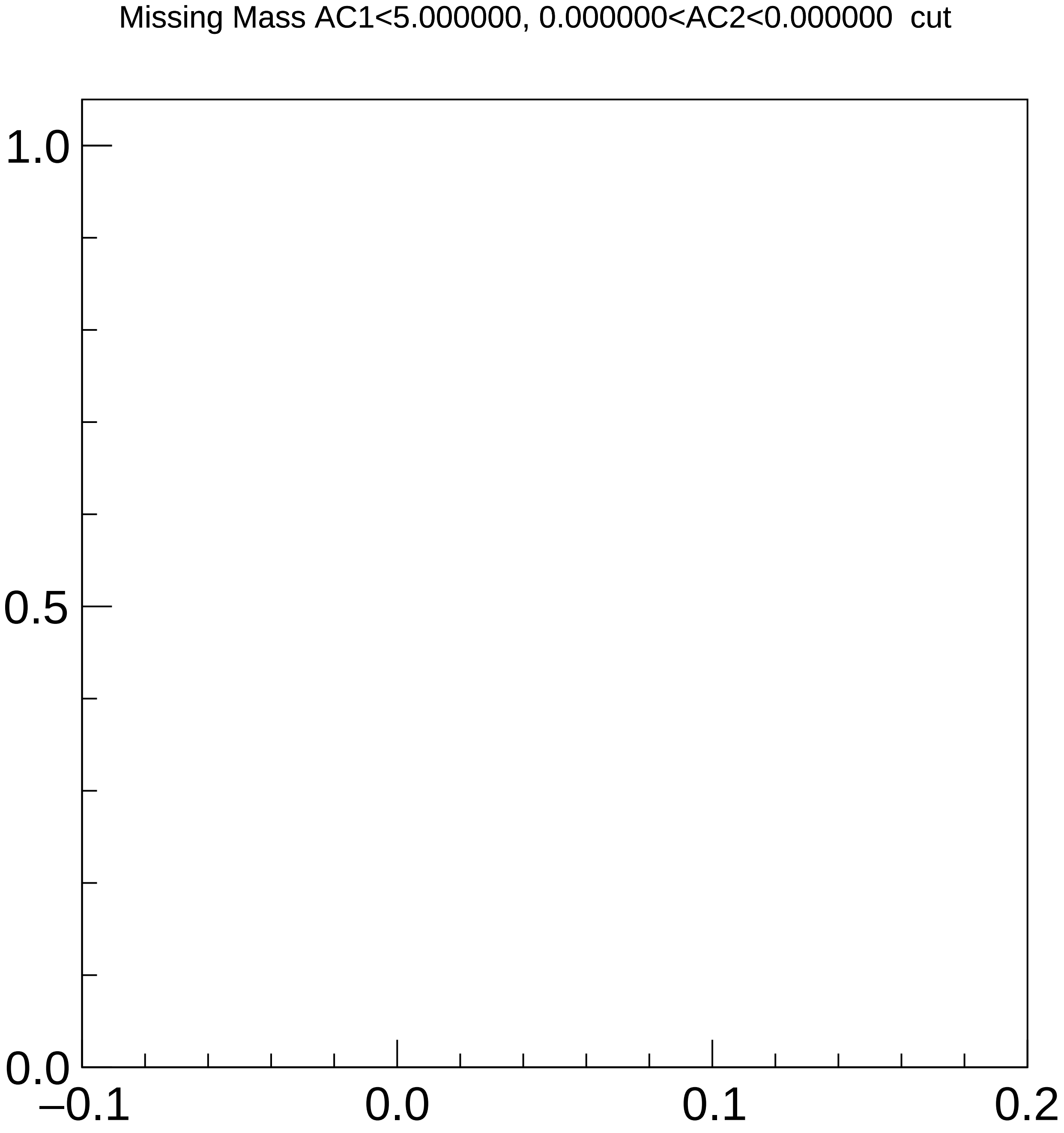
L_th : L_ph (LHRS frame), w/ Z, AC

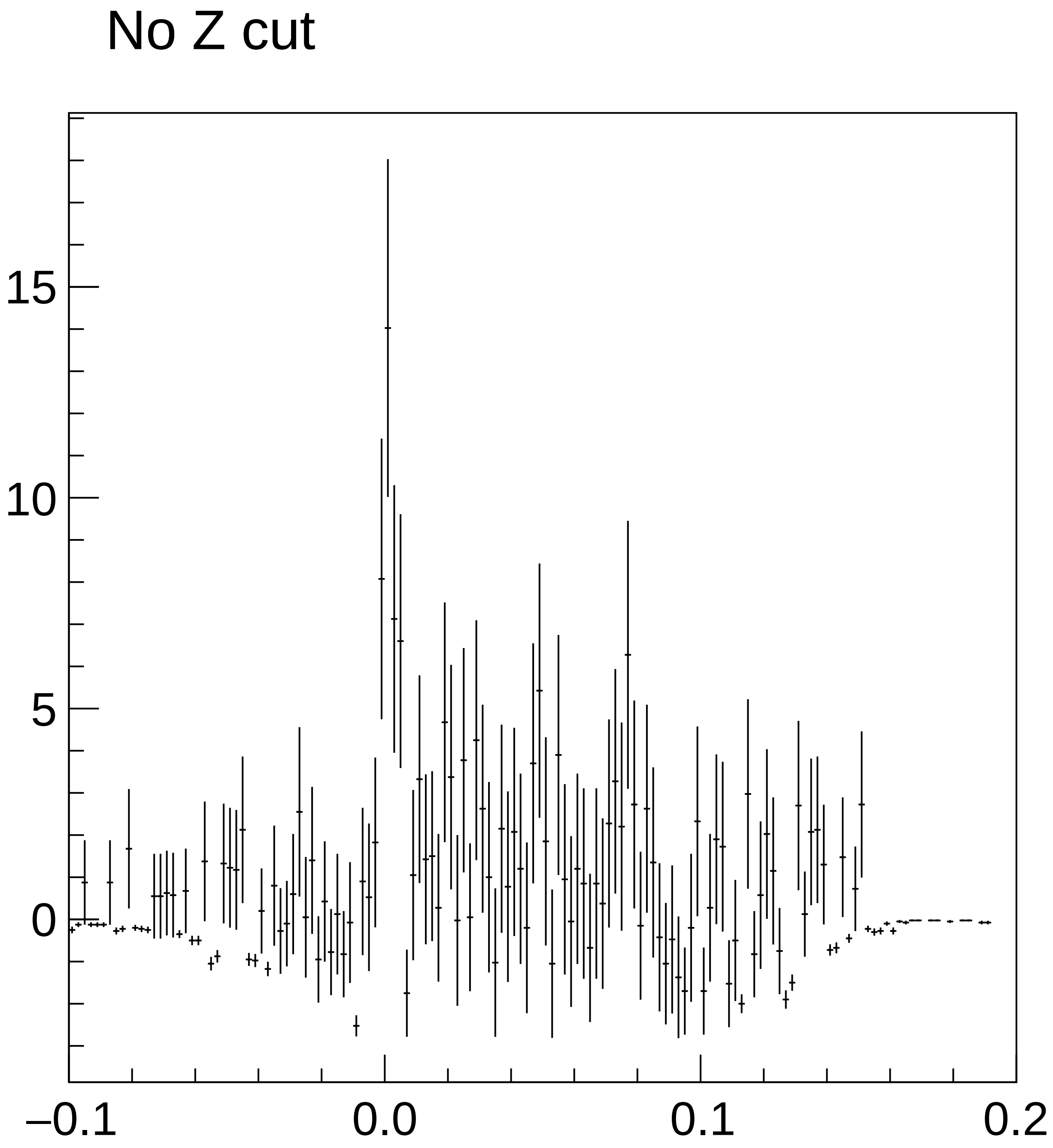

L_th : L_ph (original frame), No Cut

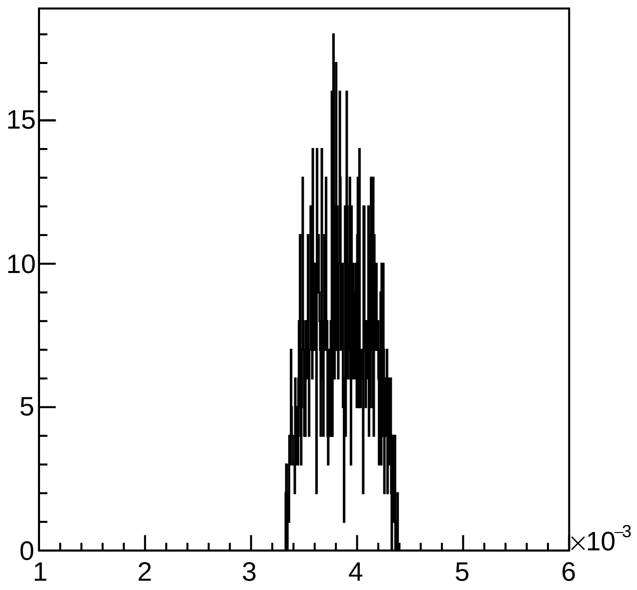

L_th : L_ph (original frame), w/ Z, AC Cut


L_th : L_ph (LHRS frame), No Cut

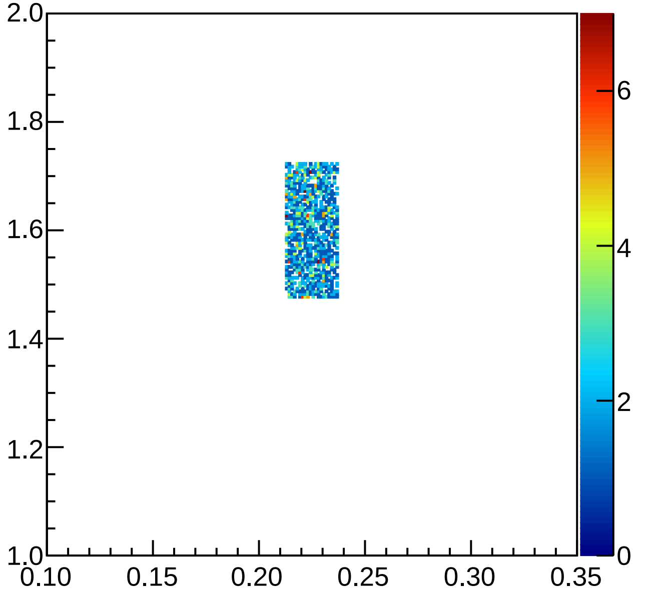

L_th : L_ph (LHRS frame), w/ Z, AC


Missing Mass AC1<5.000000, 0.000000<AC2<0.000000 cut
1.0
0.5
0.0
–0.1
0.0
0.1
0.2

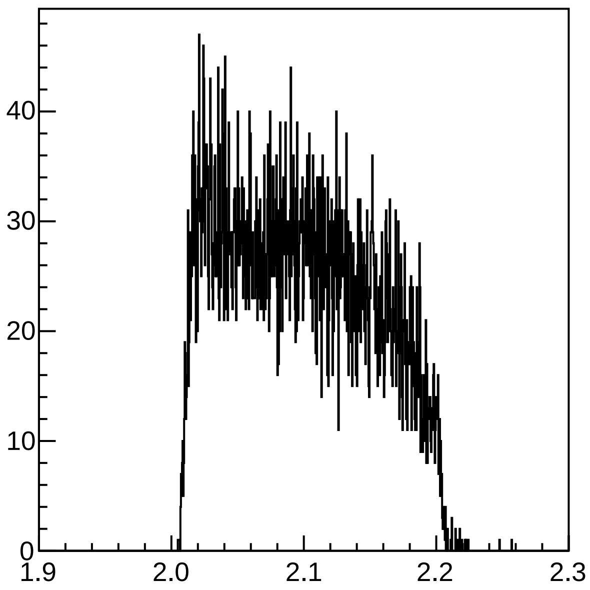

No Z cut
15
10
5
0
–0.1
0.0
0.1
0.2



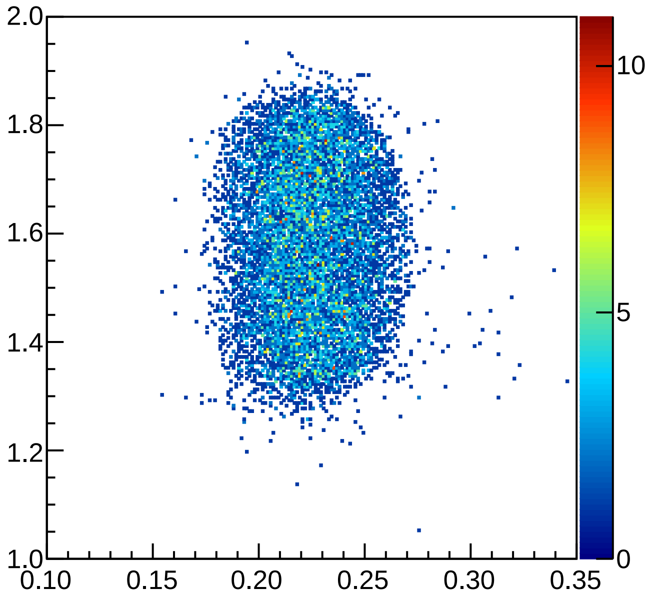
VP Flux [/GeV/sr] (top quality)



L_th : L_ph (original frame), top quality

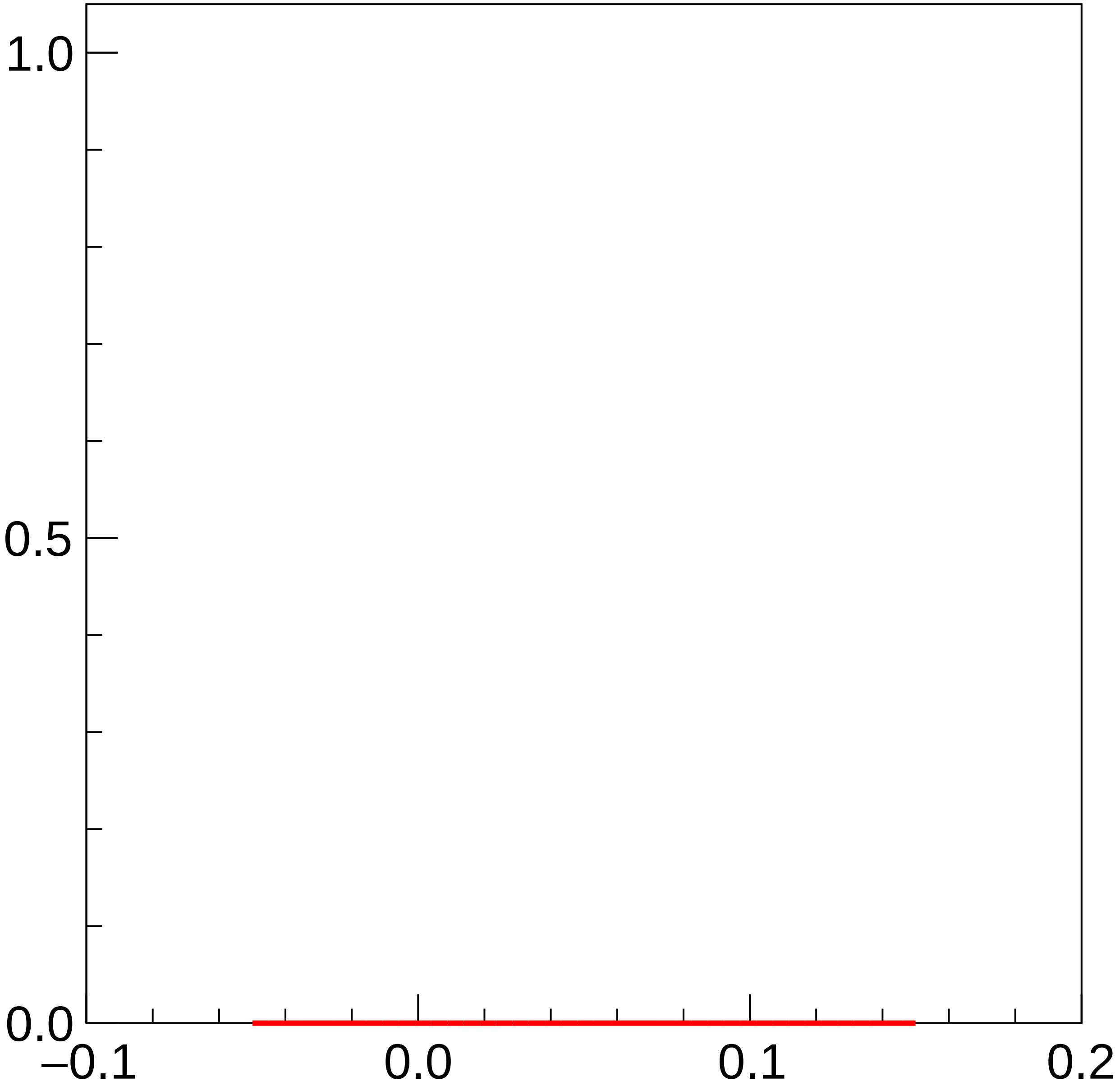


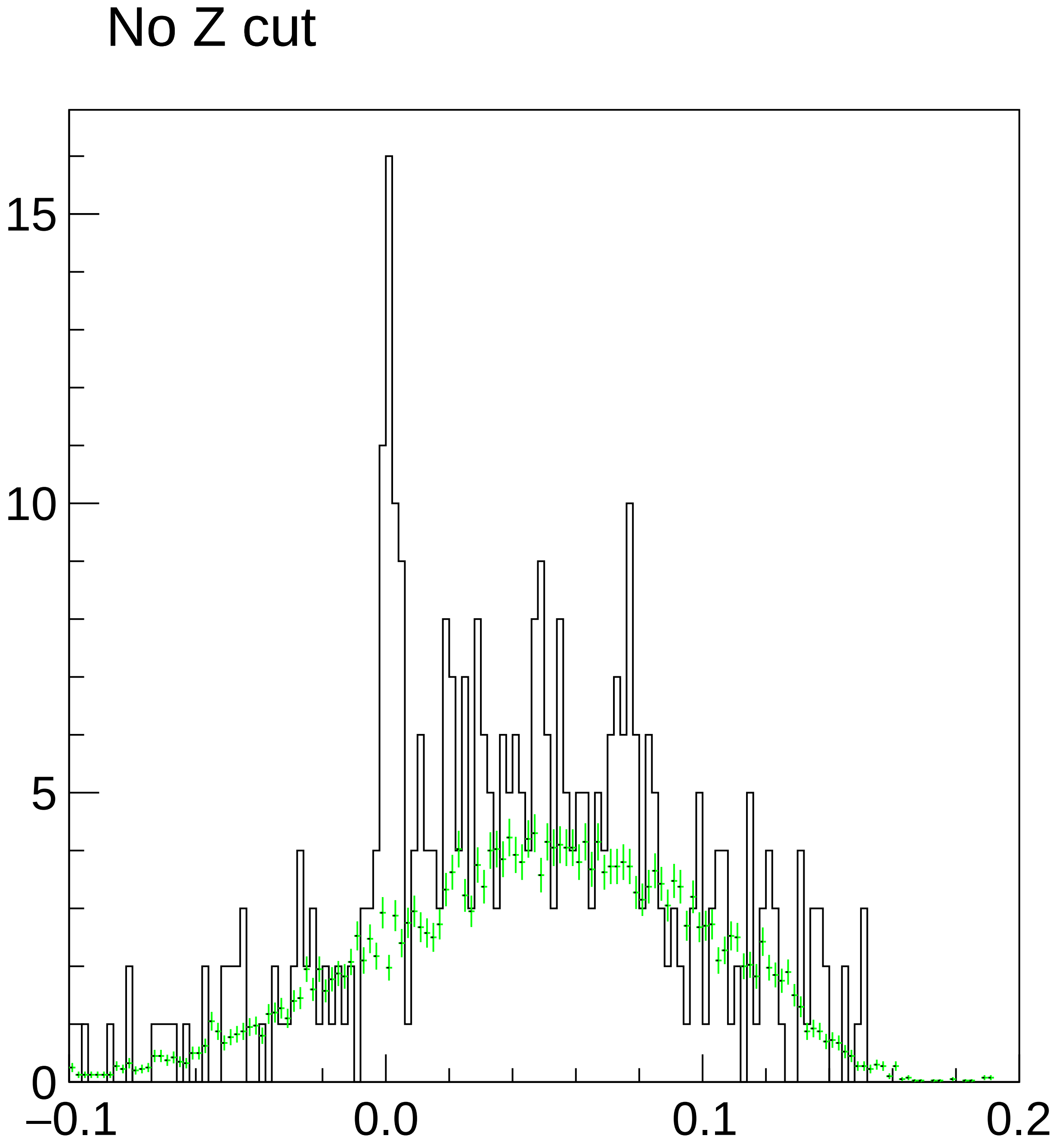
mom_L (w/ Z Cut)

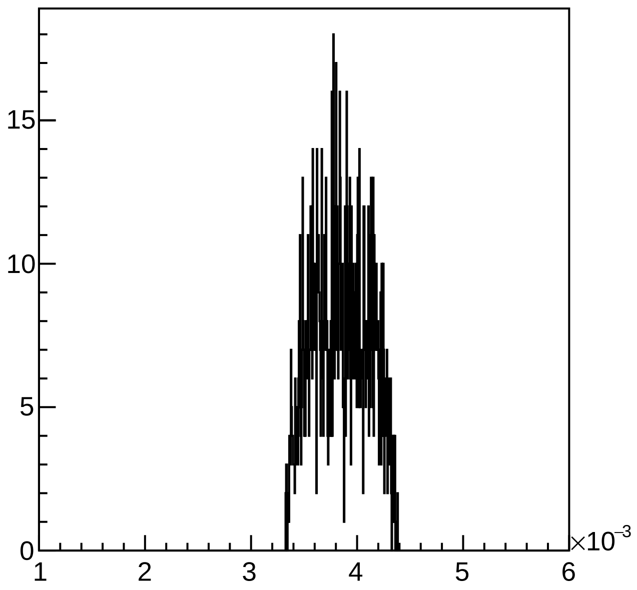


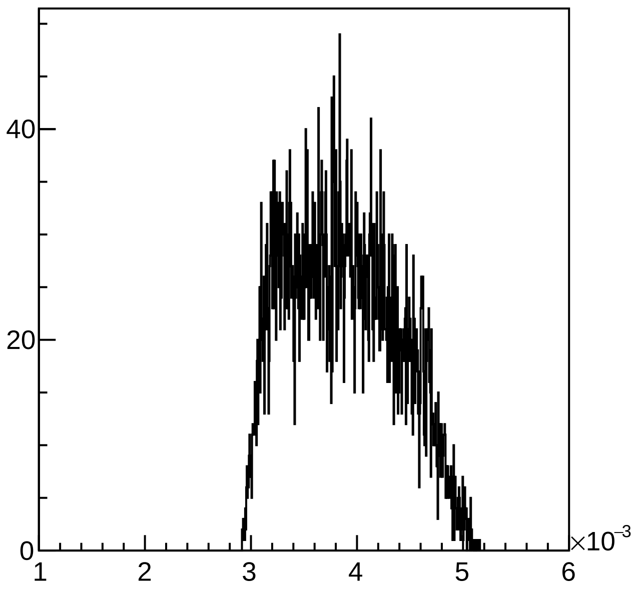
L_th : L_ph (original frame), w/ Z Cut

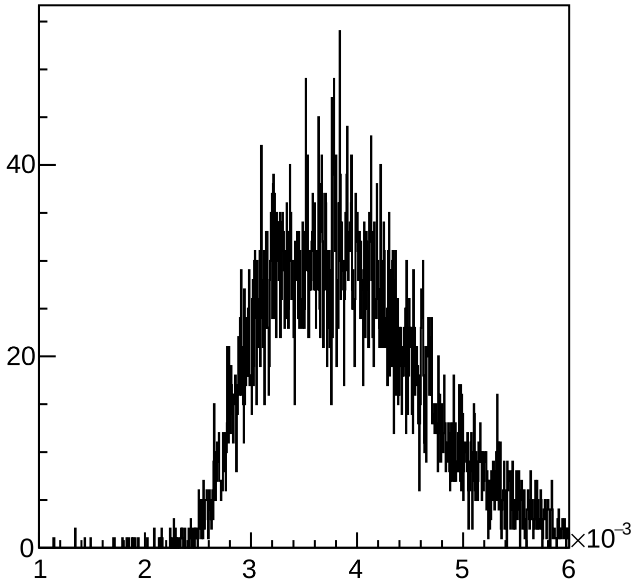
Missing Mass AC1<5.000000, 0.000000<AC2<0.000000 cut

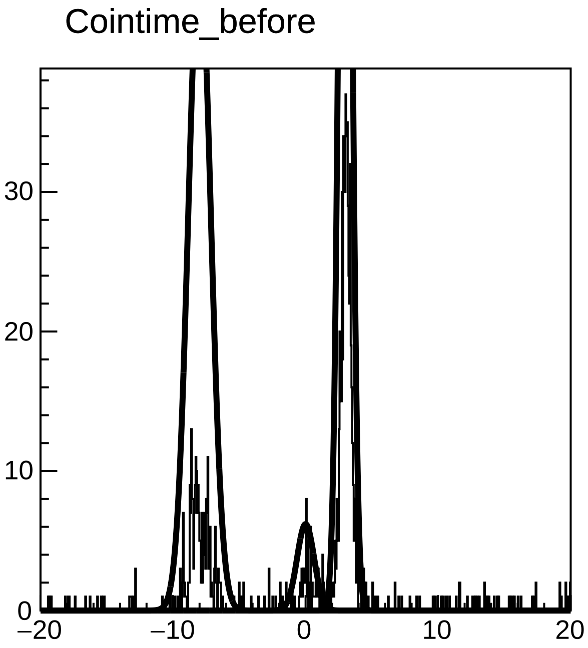


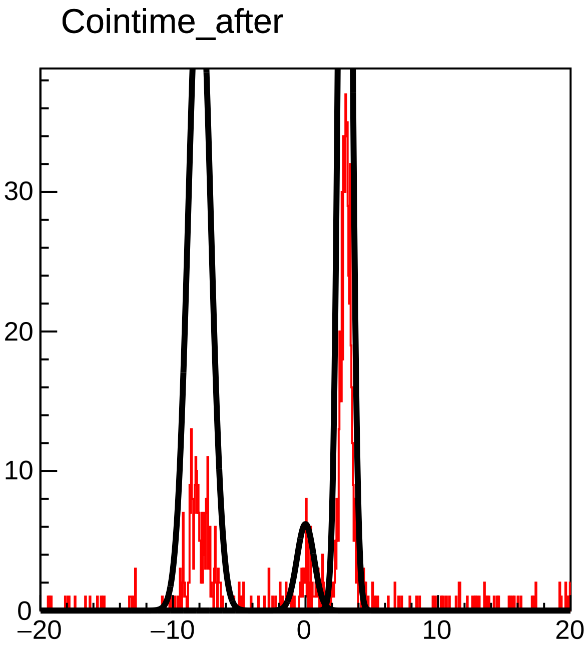

No Z cut
15
10
5
0
−0.1
0.0
0.1
0.2

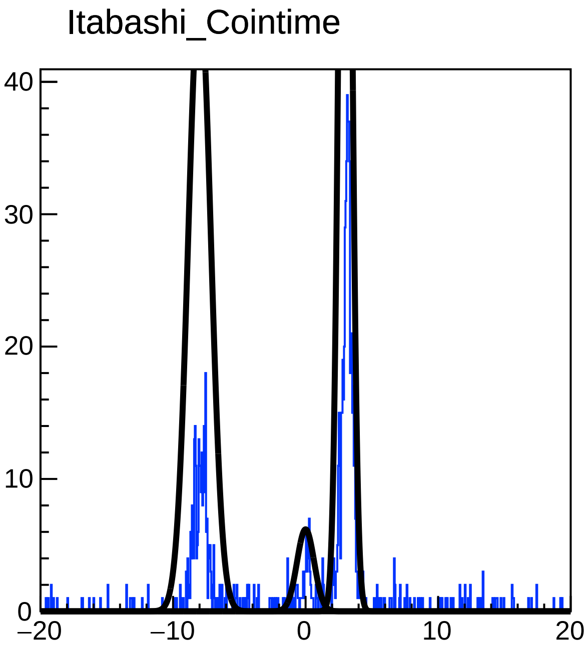

VP Flux [/GeV/sr] (top quality)

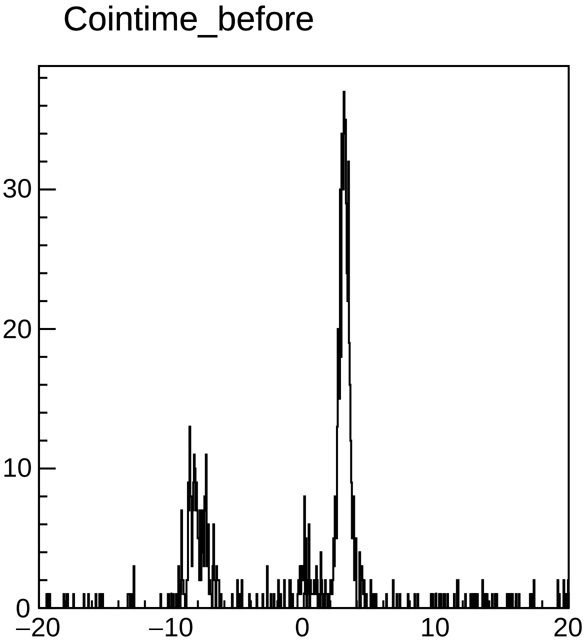

VP Flux [/GeV/sr] (acceptance)

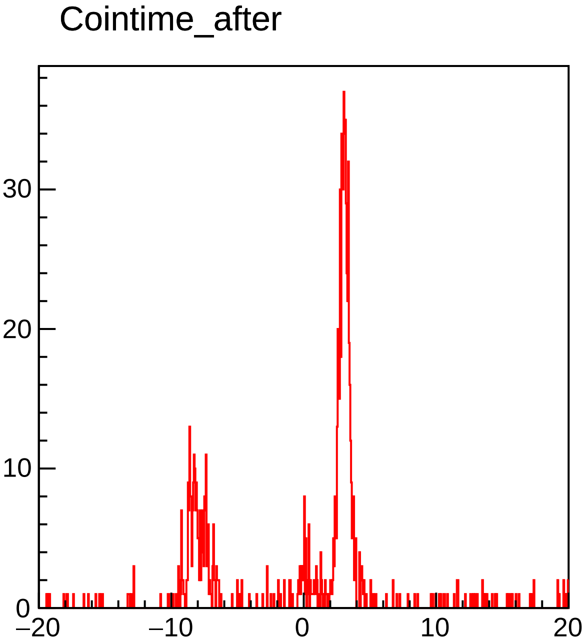

VP Flux [/GeV/sr] (w/ Z Cut)

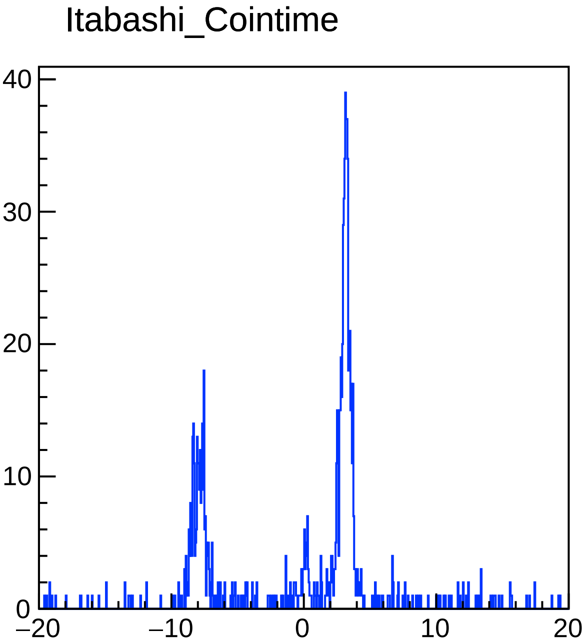

Cointime_before

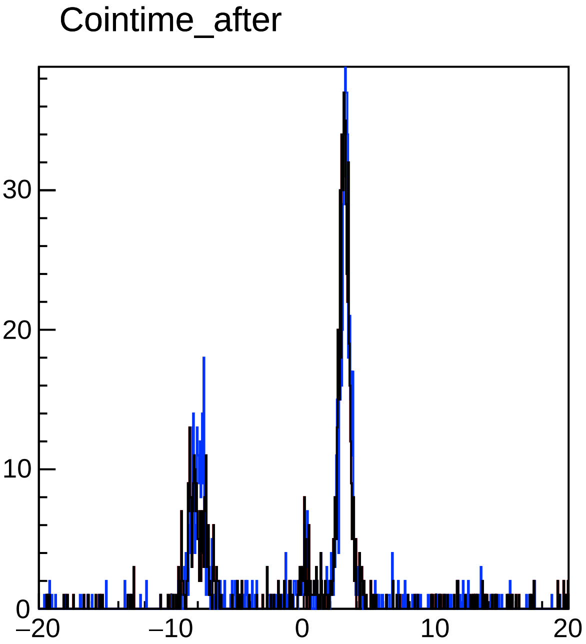

Cointime_after


Itabashi_Cointime


Cointime_before
0
10
20
30
−20
−10
0
10
20


Cointime_after
0
10
20
30
−20
−10
0
10
20


Itabashi_Cointime
0
10
20
30
40
−20
−10
0
10
20


Cointime_after
0
10
20
30
−20
−10
0
10
20