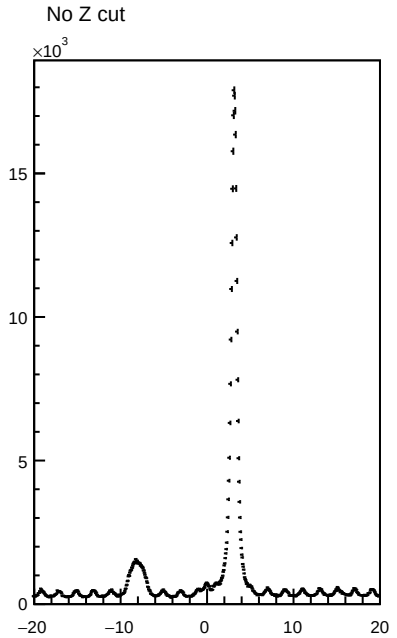
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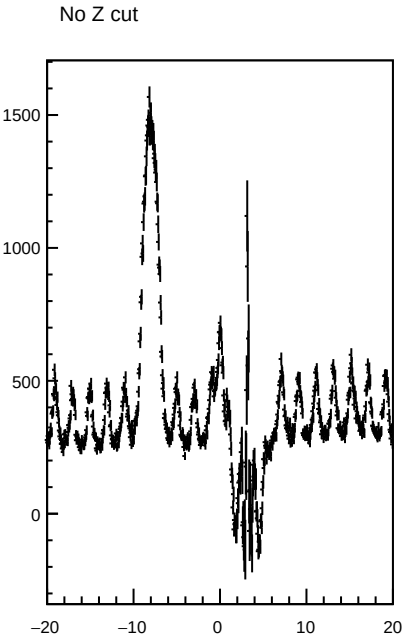
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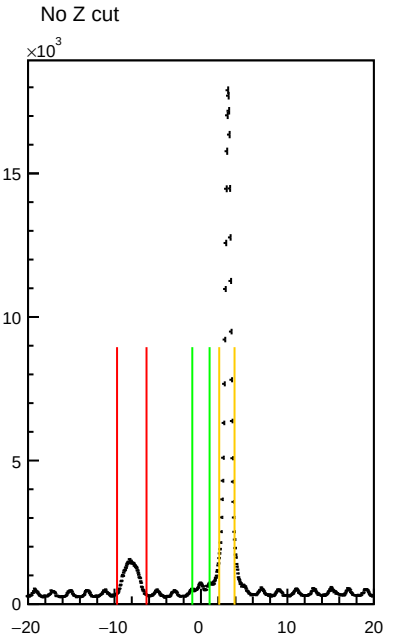
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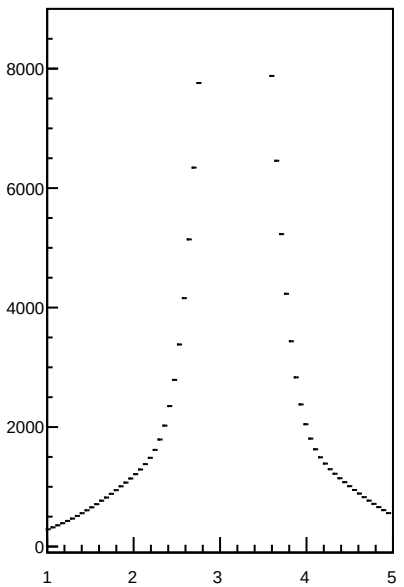
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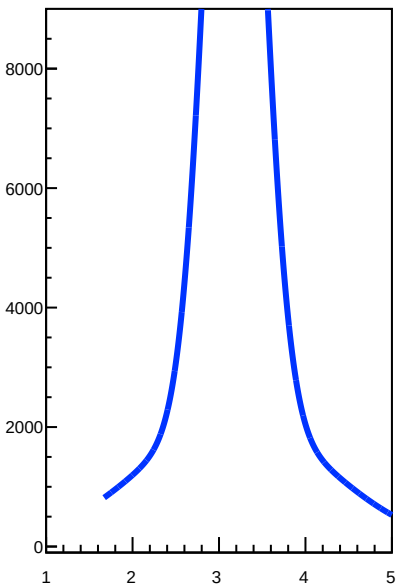
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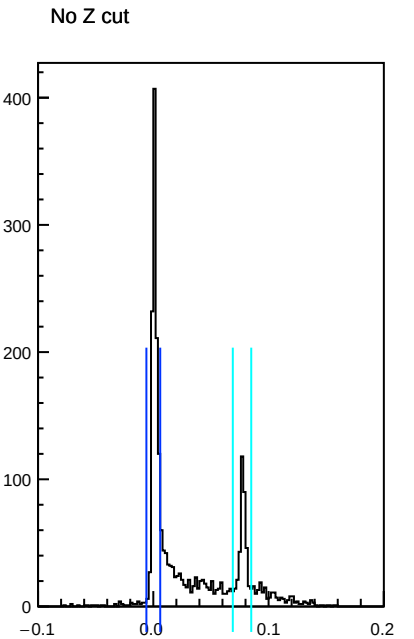
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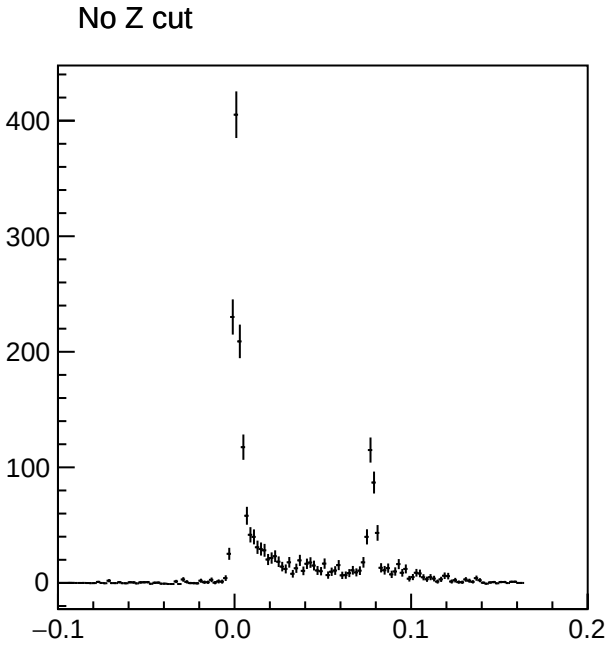
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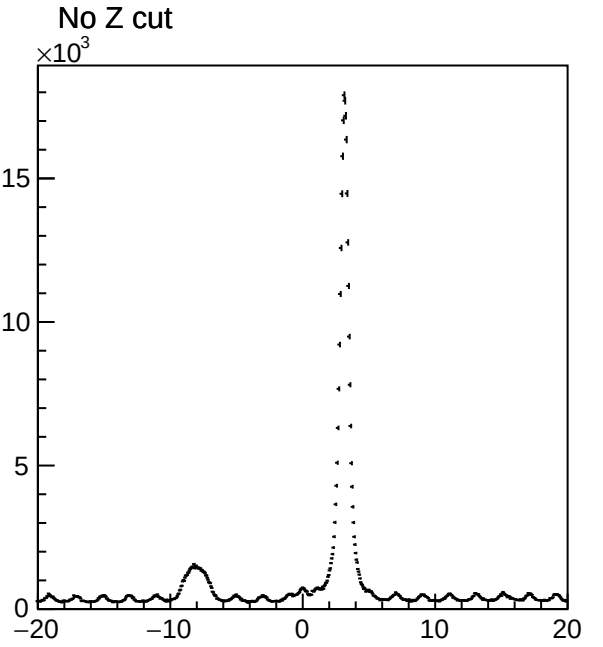
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×10^3
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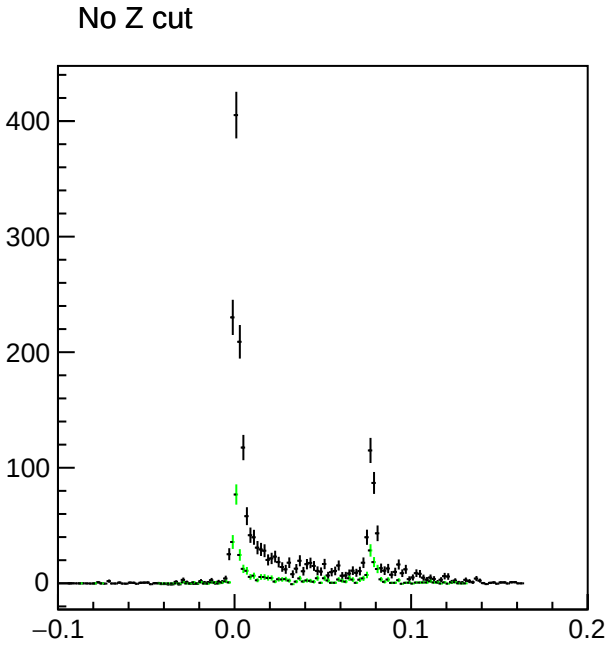
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300
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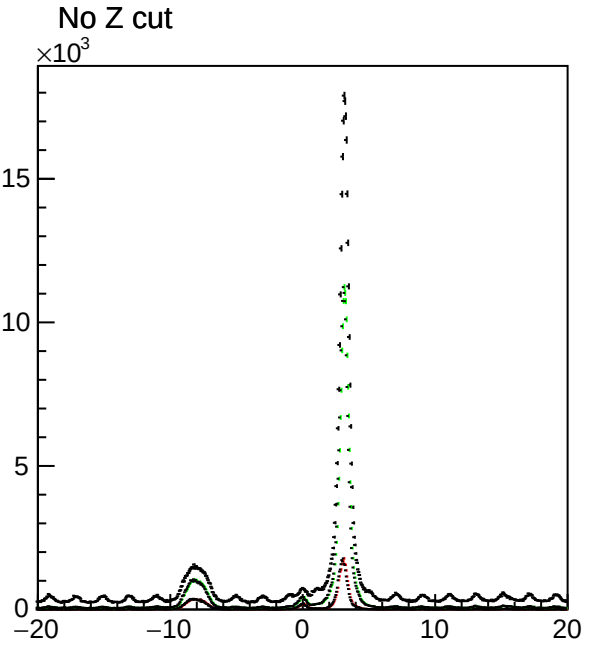
0.2


No Z cut
×10^3
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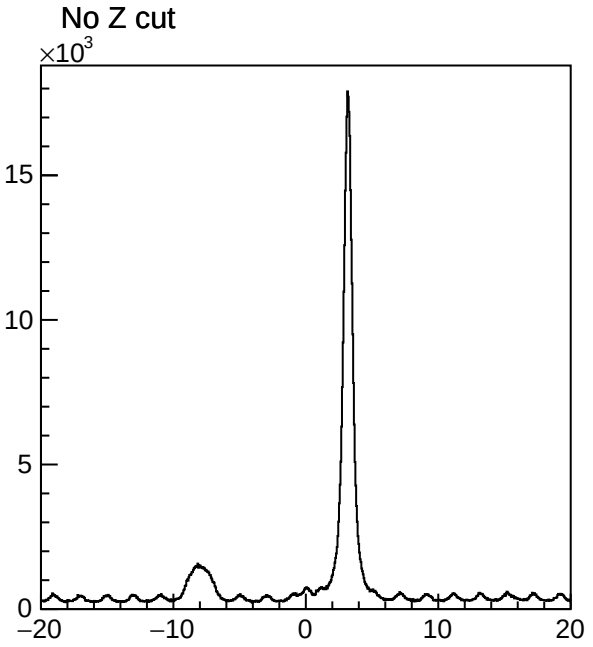
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×10^3
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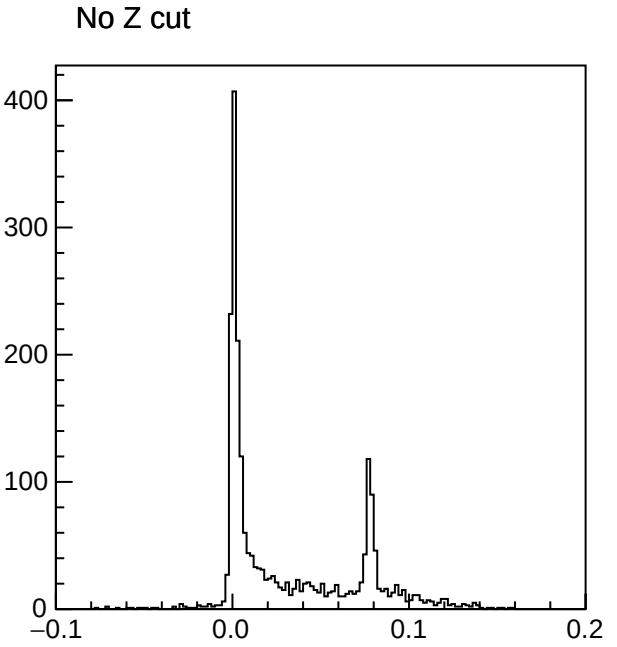
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−0.1
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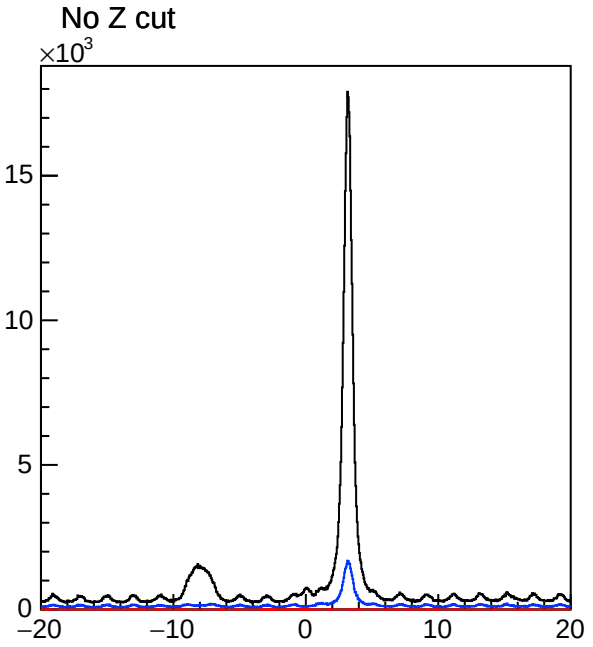
0.1
0.2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×10^3
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5
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−10
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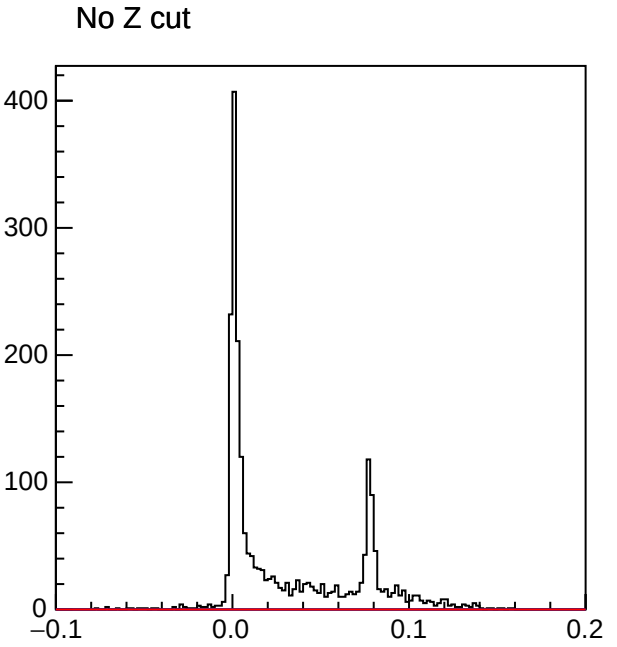
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100
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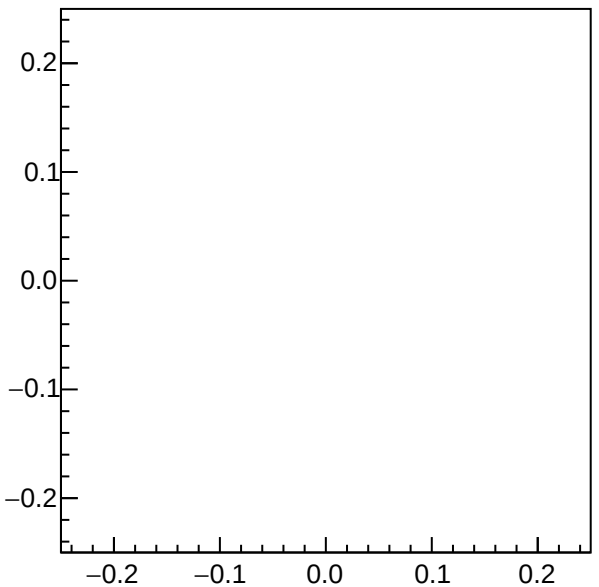
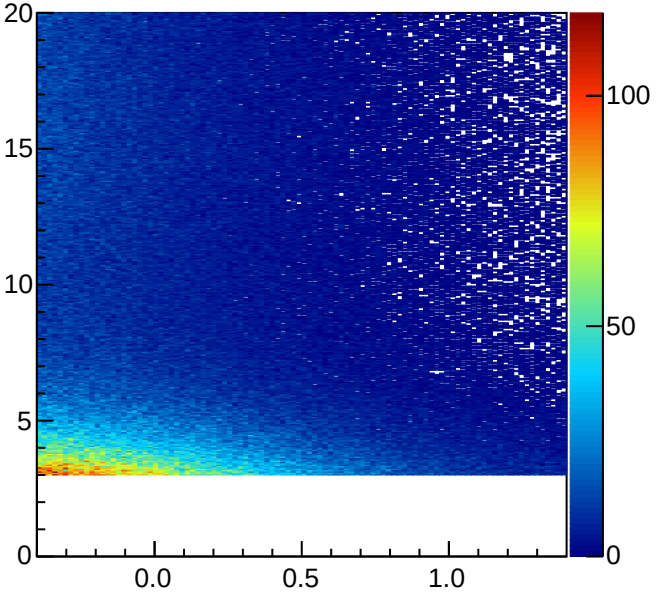
−0.1
0.0
0.1
0.2

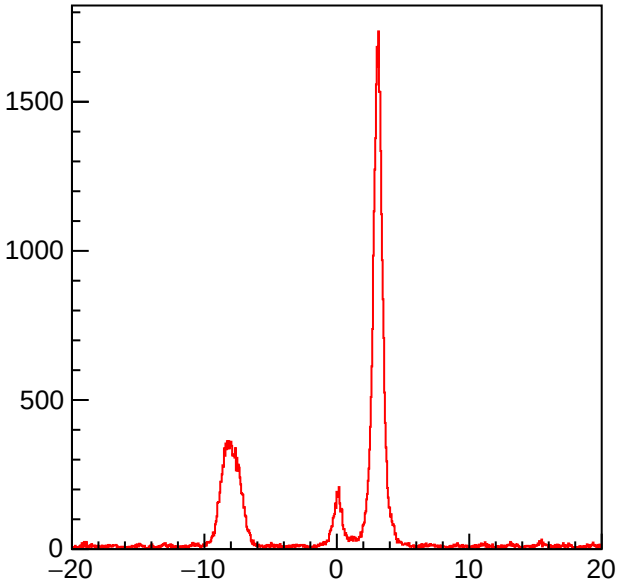
h_zz



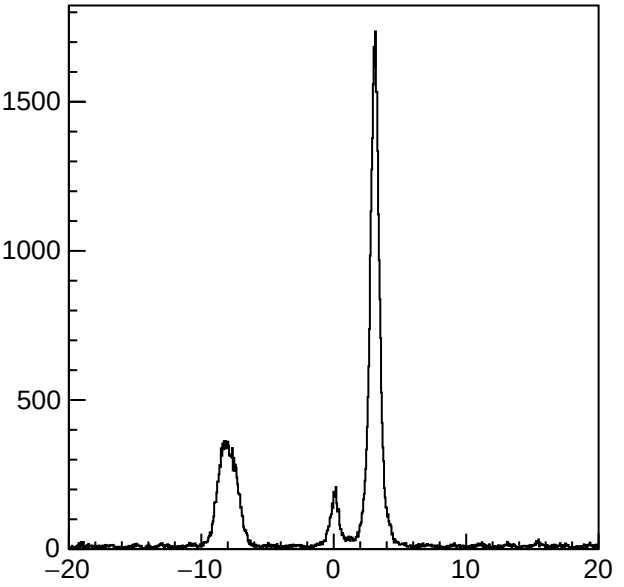
h_m2_ac



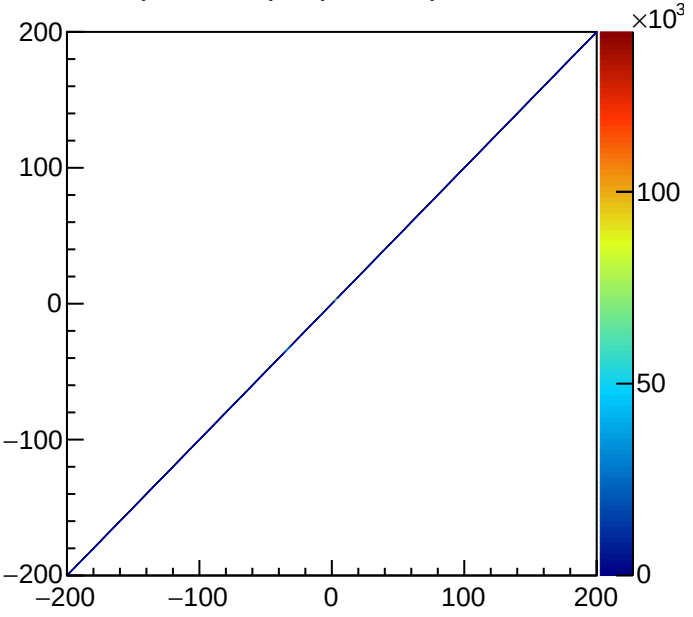
Cointime_after



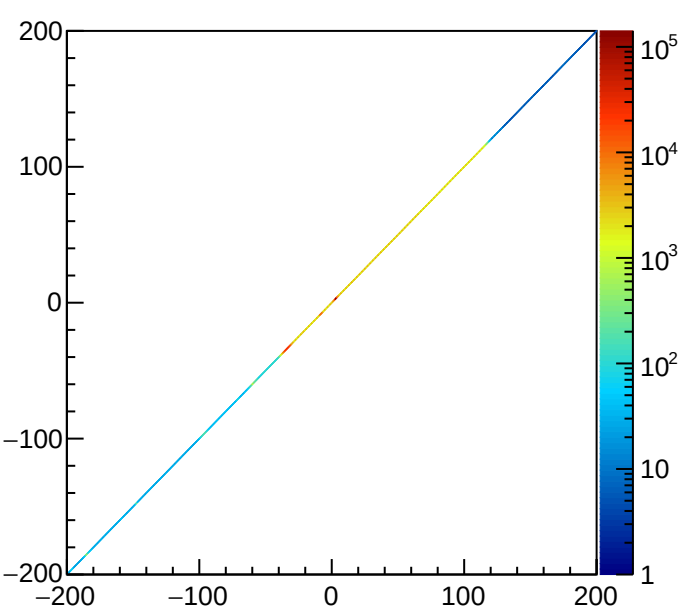
Cointime_before



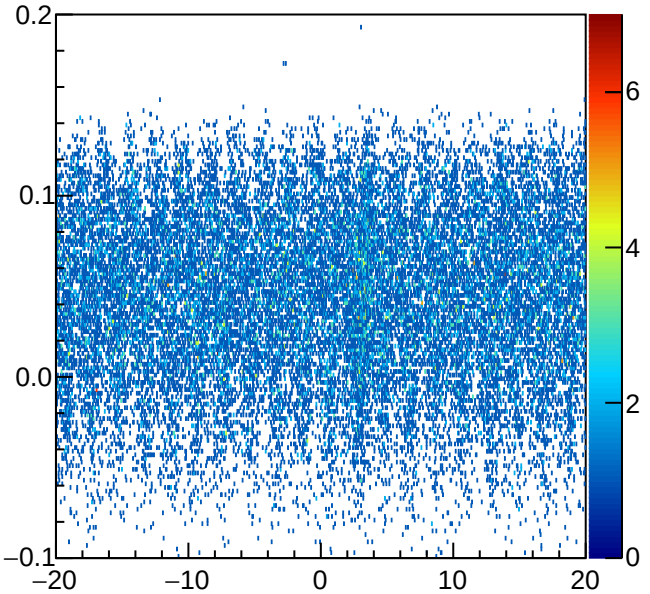
ct(w/o corr.):ct(w/ corr.)



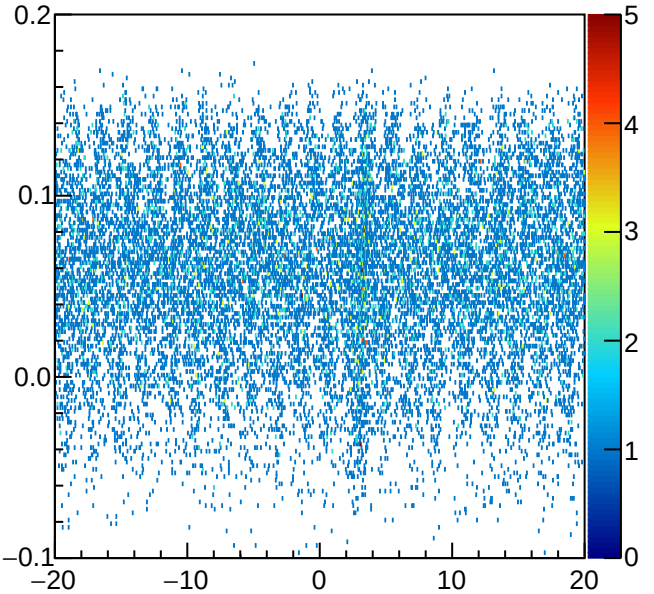
ct(w/o corr.):ct(w/ corr.)



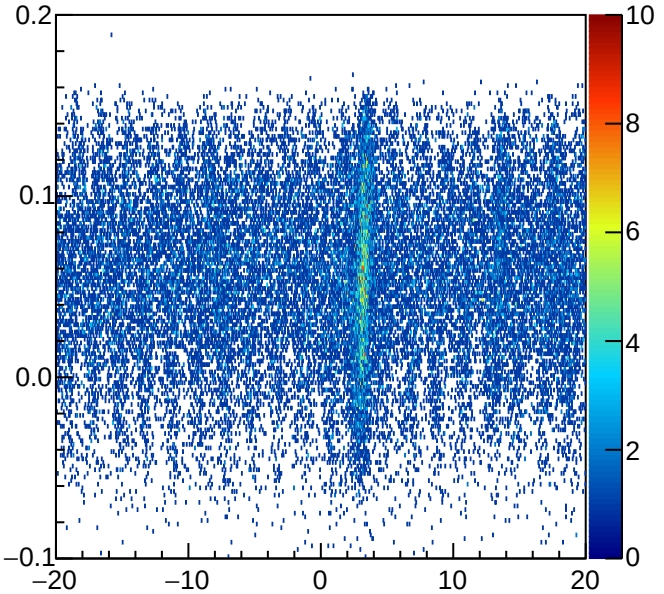
h_zz1



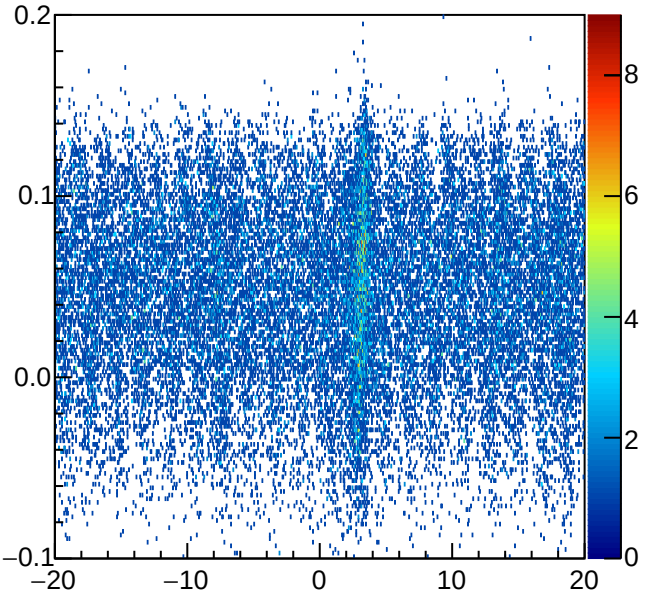
h_zz2



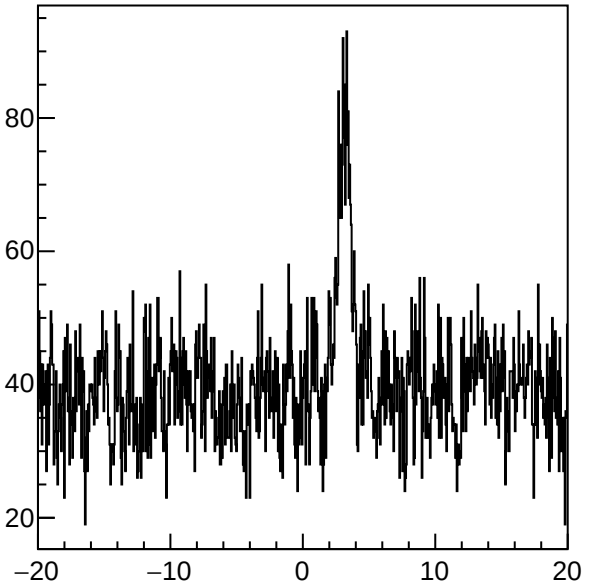
h_zz3



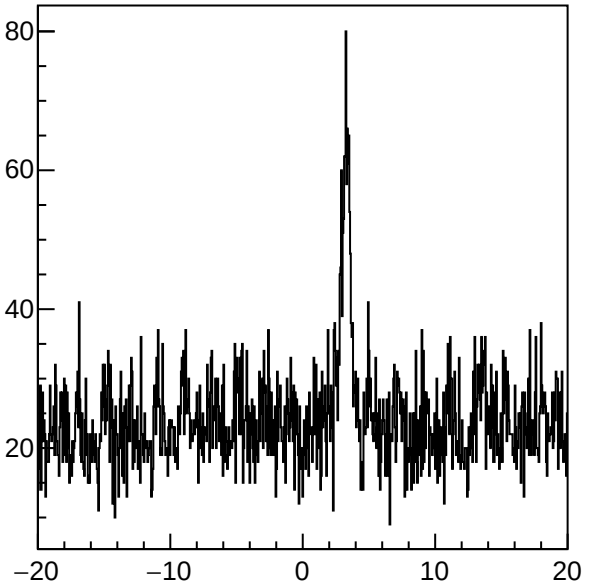
h_zz4



h_z1



h_z2



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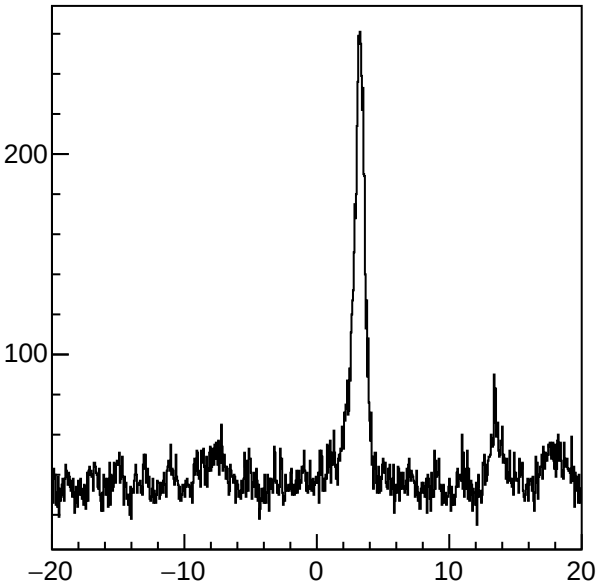
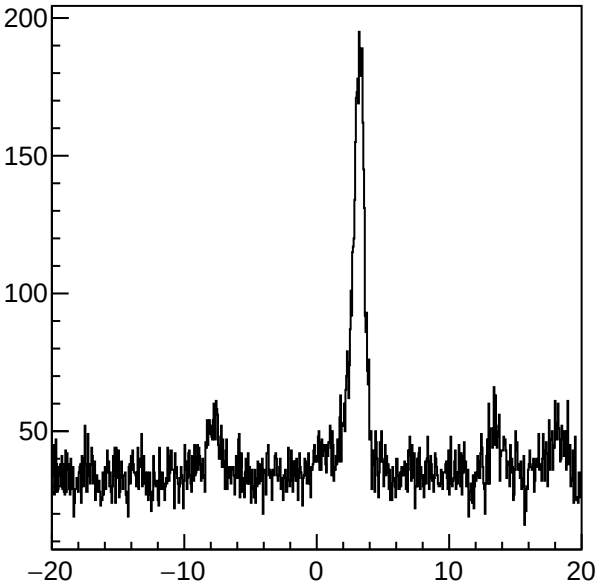
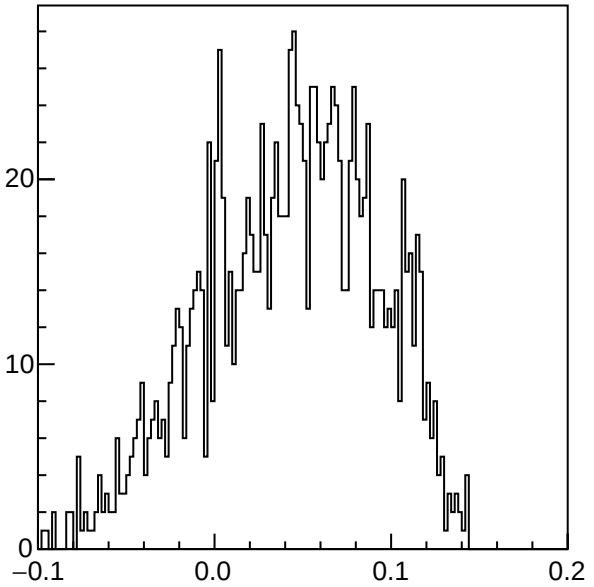


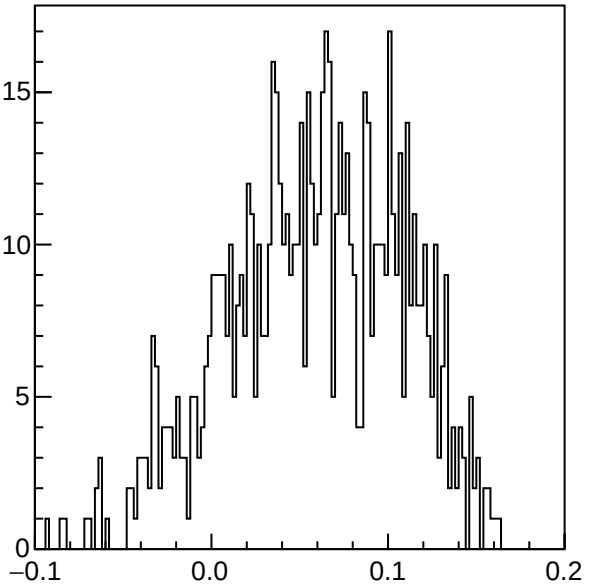
h_z4



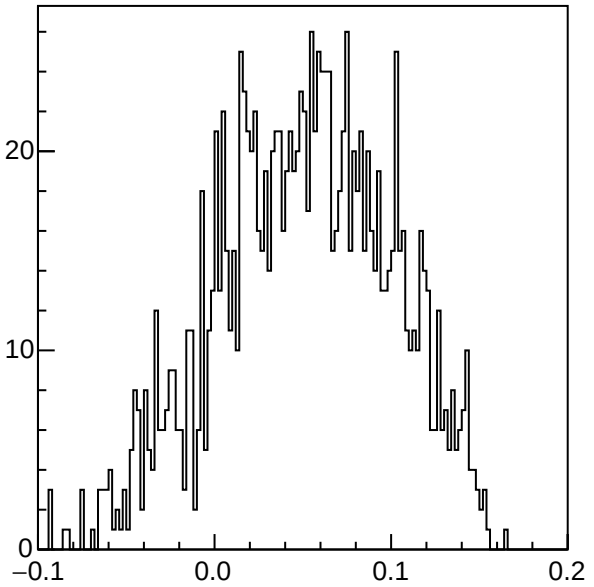
h_z11



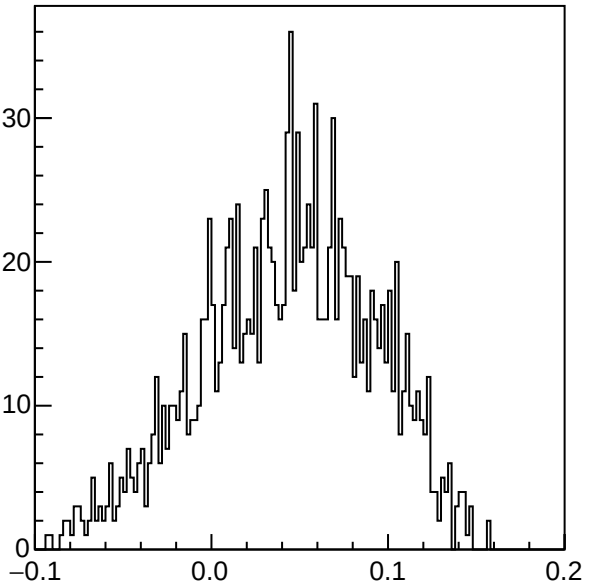
h_z22

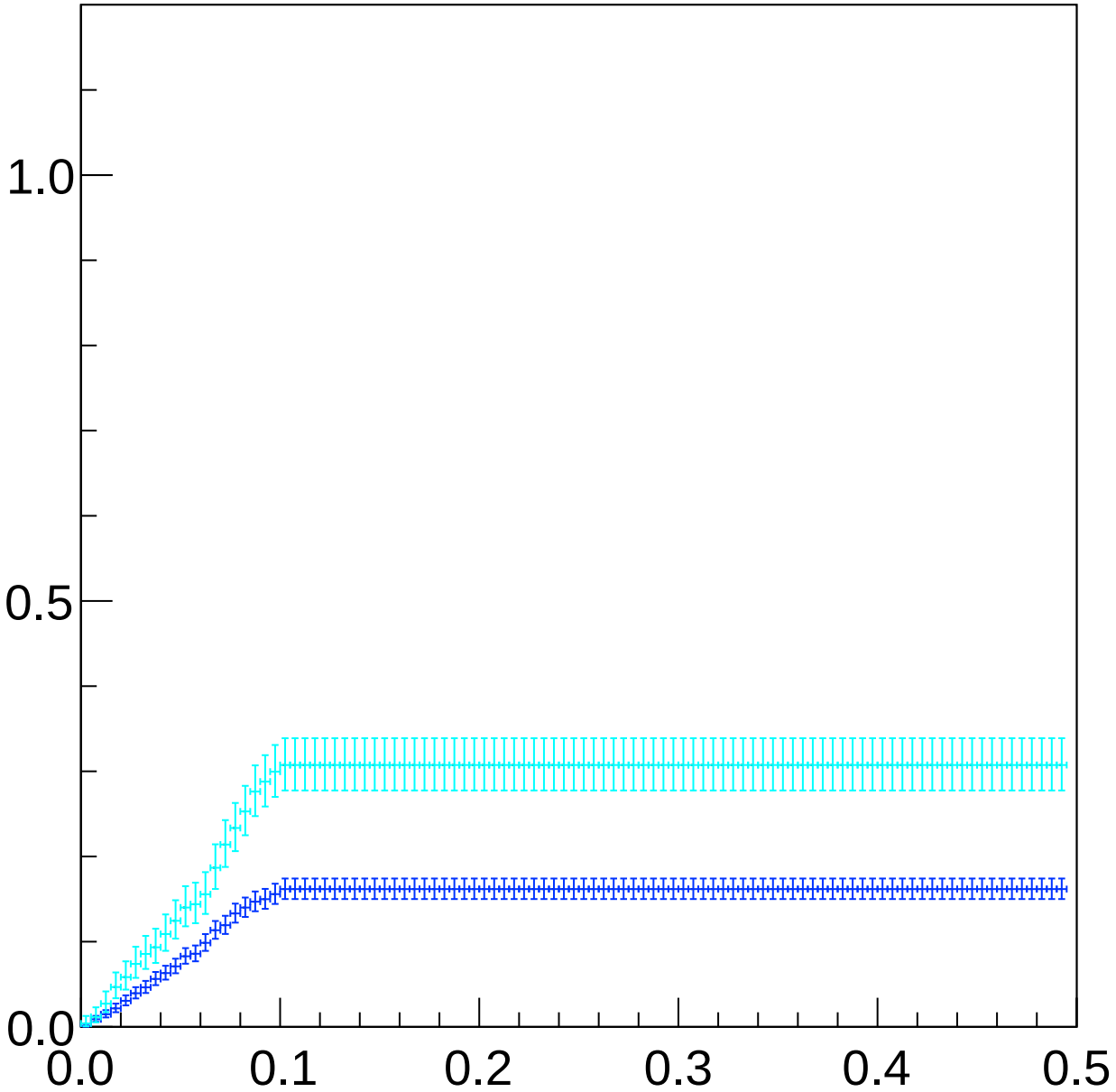


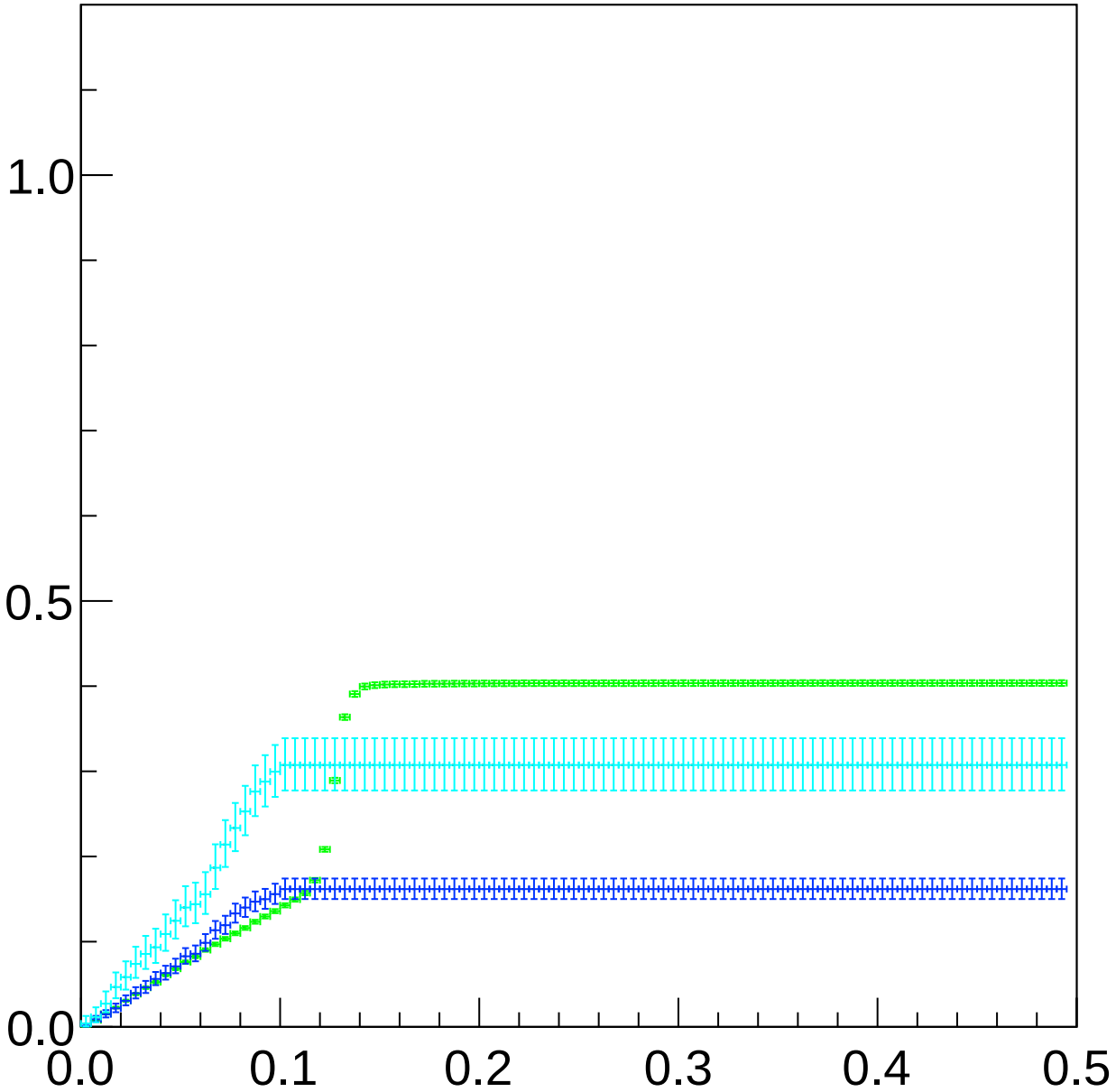
h_z33

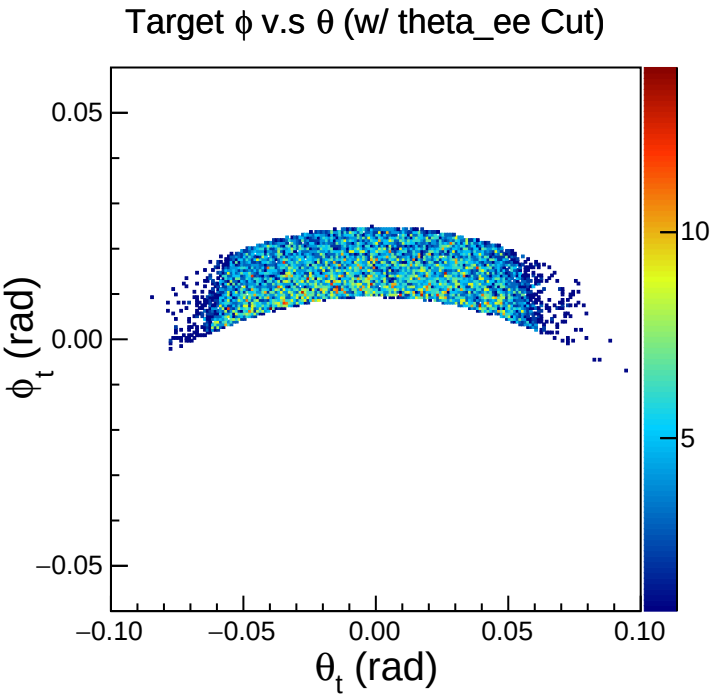


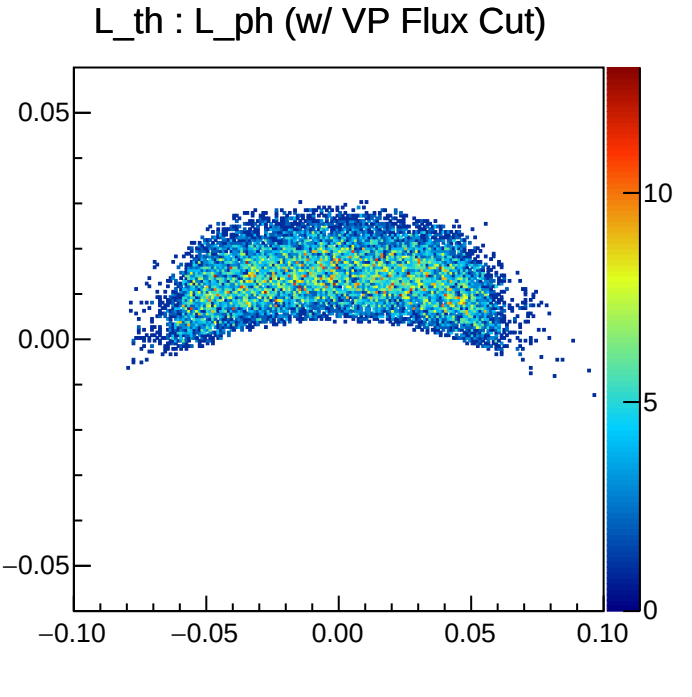
h_z44

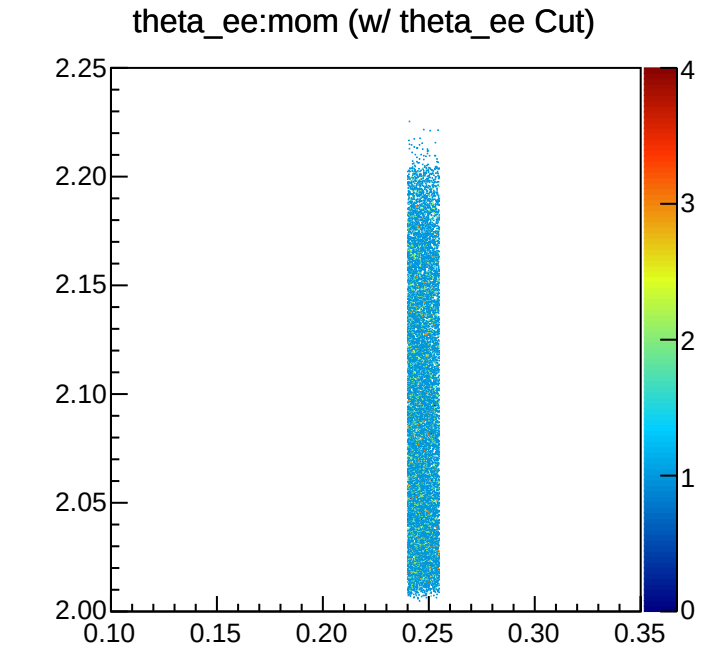


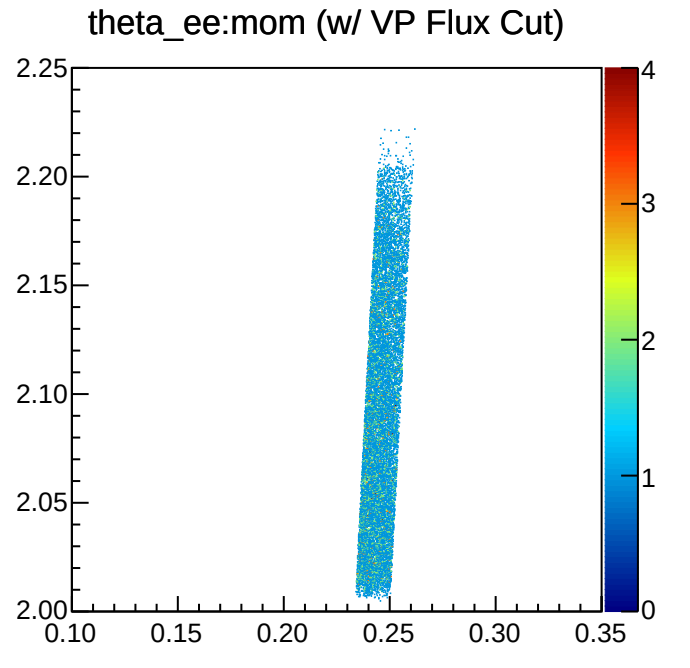

1.0
0.5
0.0
0.0
0.1
0.2
0.3
0.4
0.5

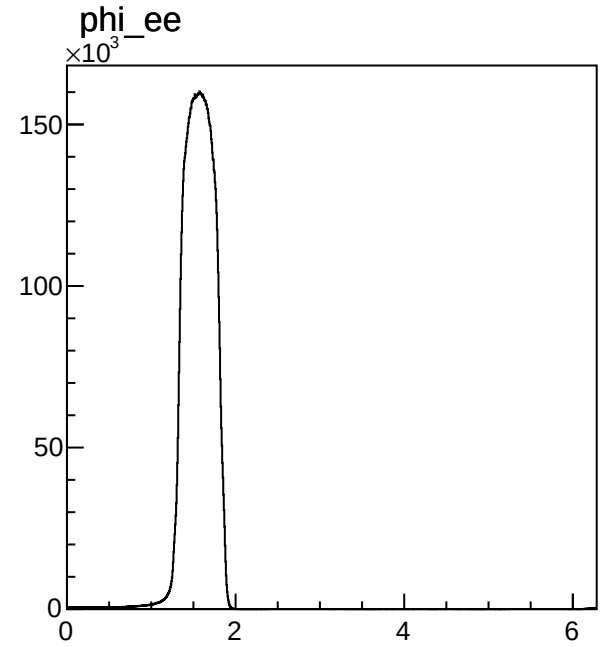

1.0
0.5
0.0
0.0
0.1
0.2
0.3
0.4
0.5

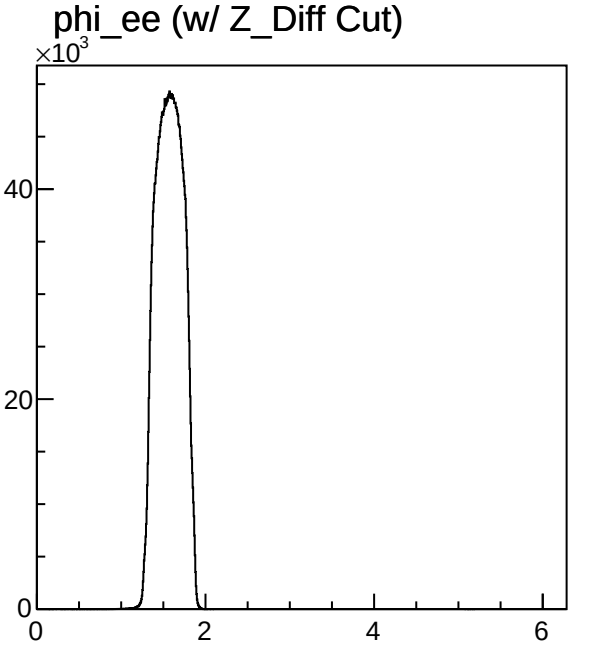

Target ϕ v.s θ (w/ theta_ee Cut)
0.05
0.00
−0.05
ϕ_t (rad)
−0.10
−0.05
0.00
0.05
0.10
θ_t (rad)
10
5

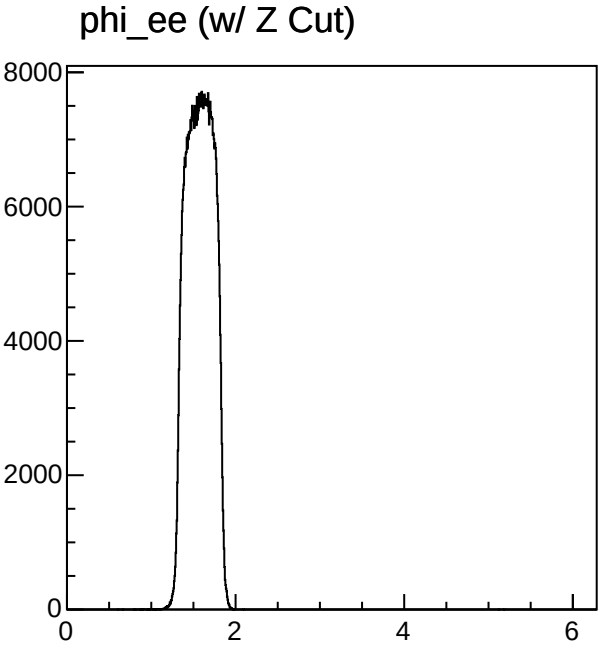

L_th : L_ph (w/ VP Flux Cut)
0.05
0.00
−0.05
−0.10
−0.05
0.00
0.05
0.10
10
5
0

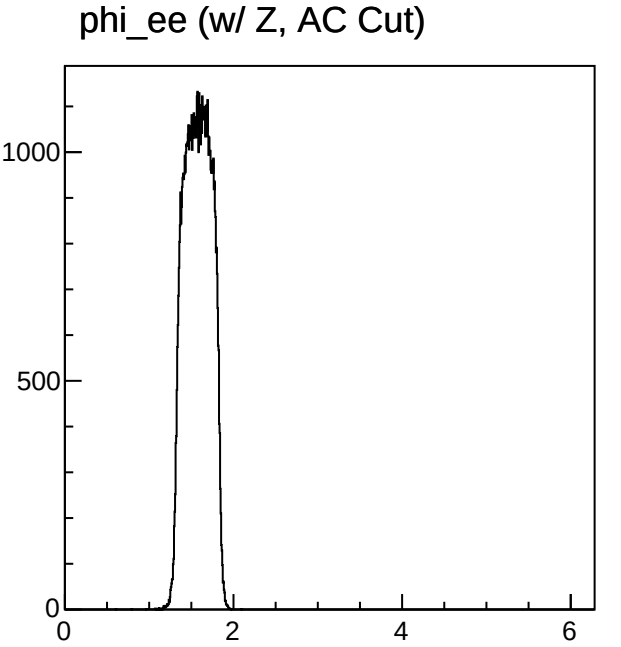

theta_ee:mom (w/ theta_ee Cut)
2.25
2.20
2.15
2.10
2.05
2.00
0.10
0.15
0.20
0.25
0.30
0.35
4
3
2
1
0

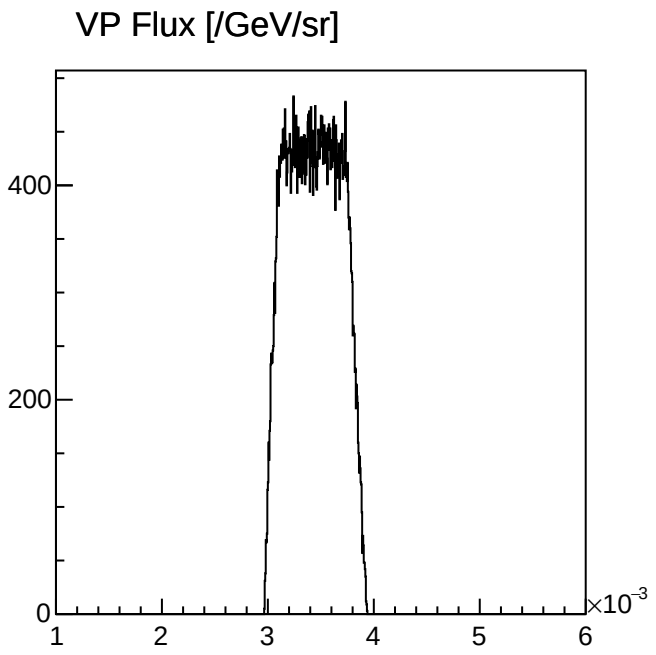

theta_ee:mom (w/ VP Flux Cut)
2.25
2.20
2.15
2.10
2.05
2.00
0.10
0.15
0.20
0.25
0.30
0.35
4
3
2
1
0

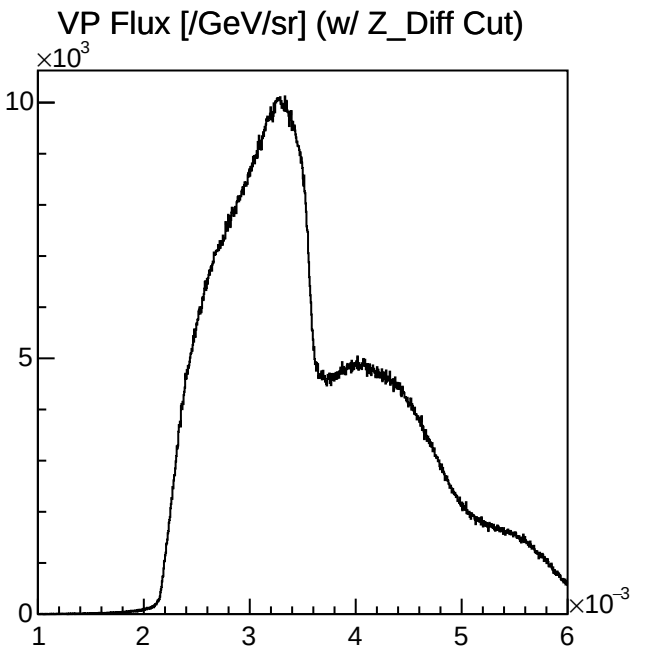

phi_ee
×10^3
150
100
50
0
0
2
4
6

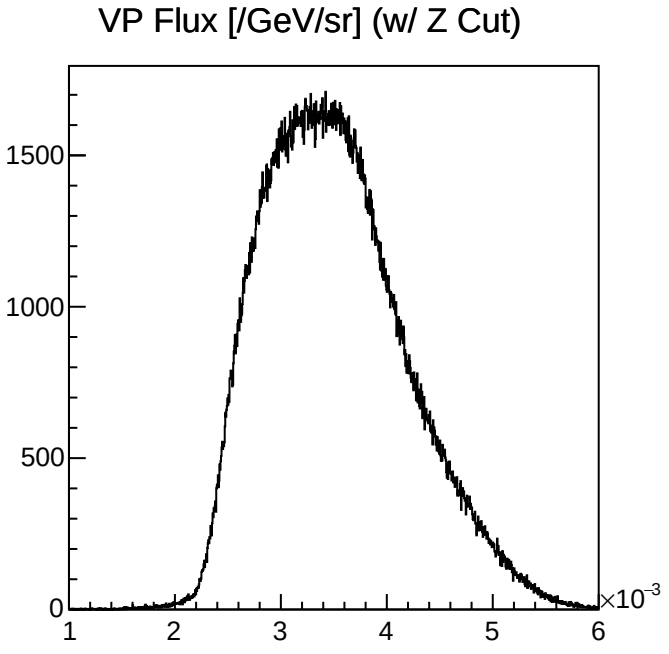

phi_ee (w/ Z_Diff Cut)
×10^3
40
20
0
0
2
4
6

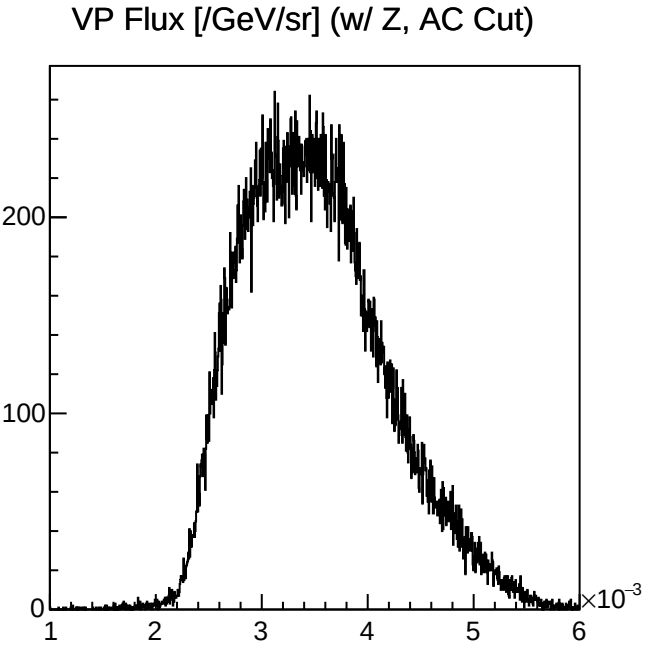

phi_ee (w/ Z Cut)
8000
6000
4000
2000
0
0
2
4
6

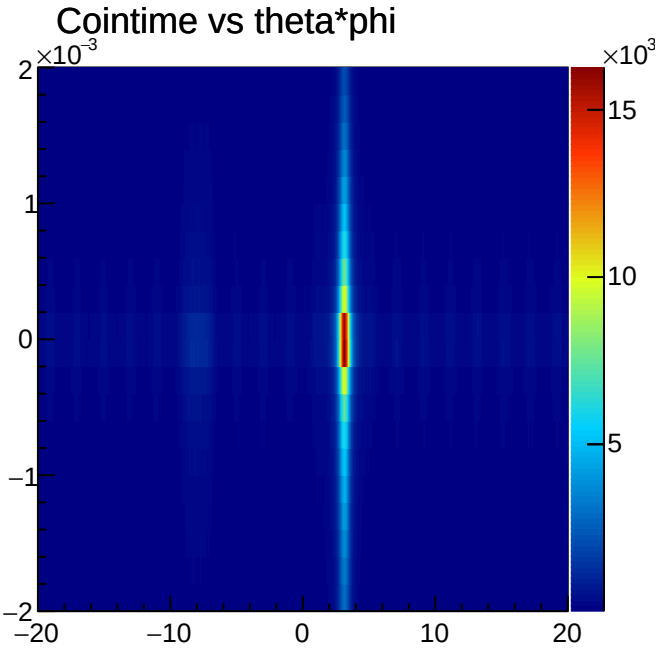

phi_ee (w/ Z, AC Cut)
1000
500
0
0
2
4
6

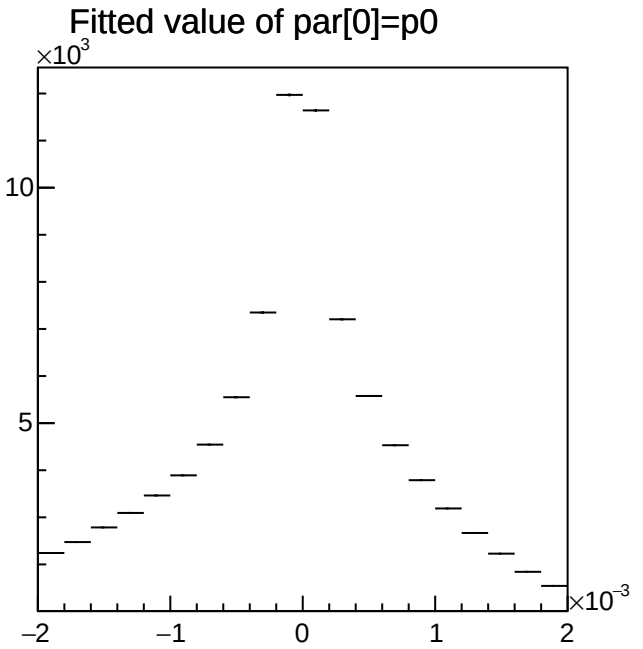

VP Flux [/GeV/sr]
400
200
0
1
2
3
4
5
6
×10⁻³

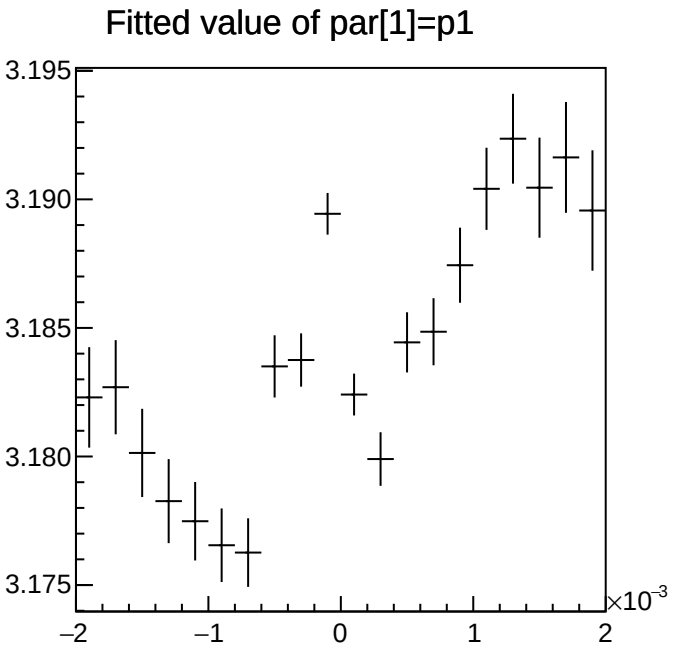

VP Flux [/GeV/sr] (w/ Z_Diff Cut)
×10³
10
5
0
1
2
3
4
5
6
×10⁻³

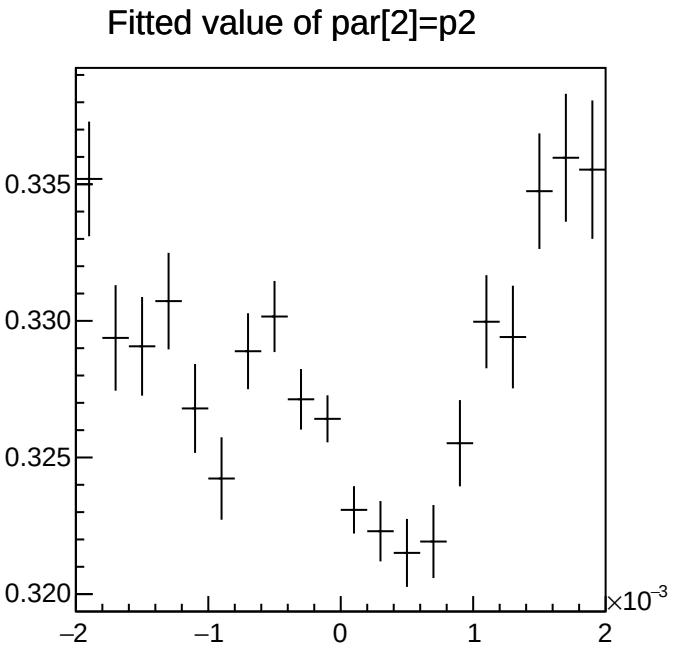

VP Flux [/GeV/sr] (w/ Z Cut)
1500
1000
500
0
1
2
3
4
5
6
×10⁻³


VP Flux [/GeV/sr] (w/ Z, AC Cut)
200
100
0
1
2
3
4
5
6
×10⁻³

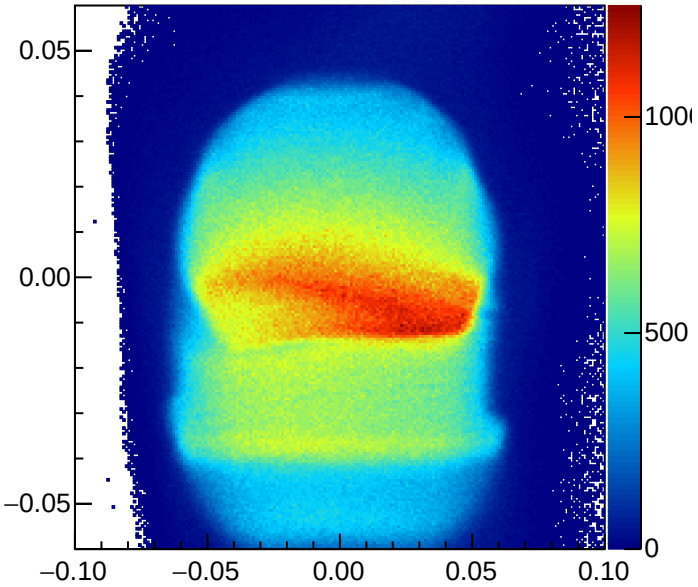

Cointime vs theta*phi
×10⁻³
2
1
0
−1
−2
−20
−10
0
10
20
×10³
15
10
5


Fitted value of par[0]=p0
×10³
10
5
−2
−1
0
1
2
×10⁻³

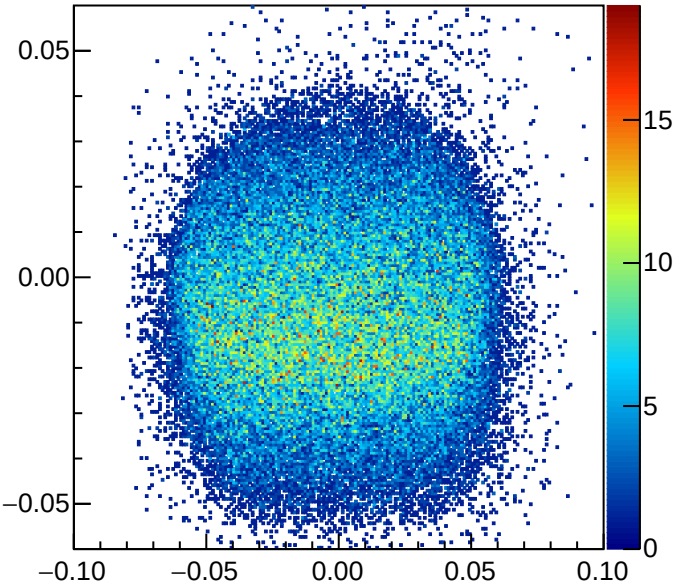

Fitted value of par[1]=p1
3.195
3.190
3.185
3.180
3.175
−2
−1
0
1
2
×10⁻³


Fitted value of par[2]=p2
0.335
0.330
0.325
0.320
−2
−1
0
1
2
×10⁻³

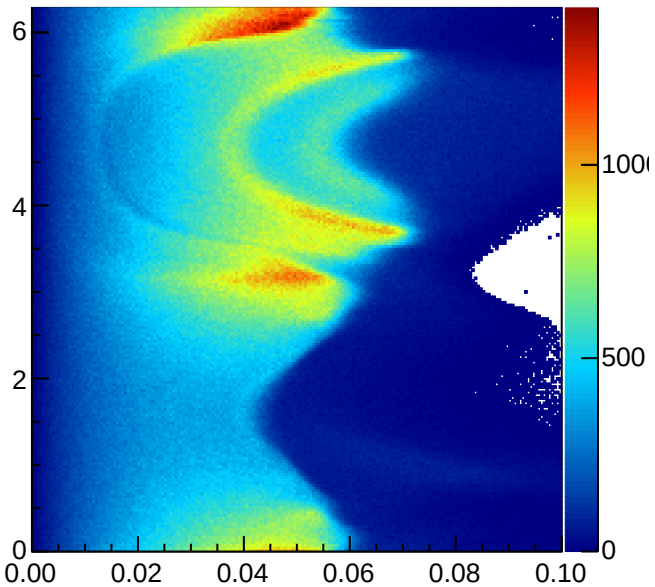
L_th : L_ph (No Cut)



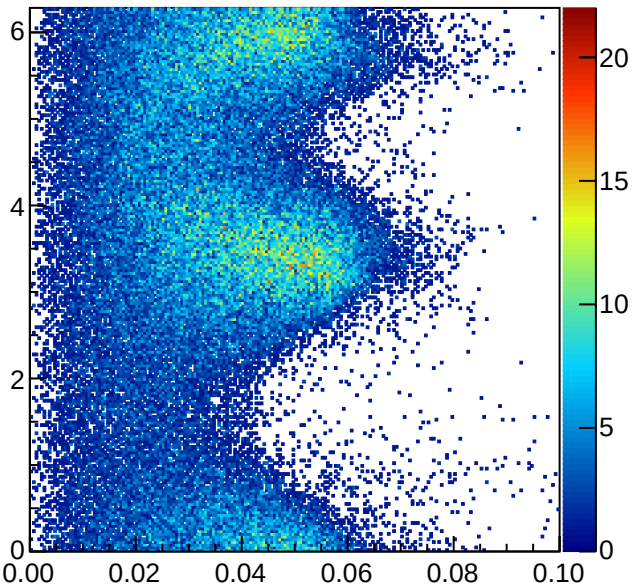
L_th : L_ph (w/ Z, AC Cut)



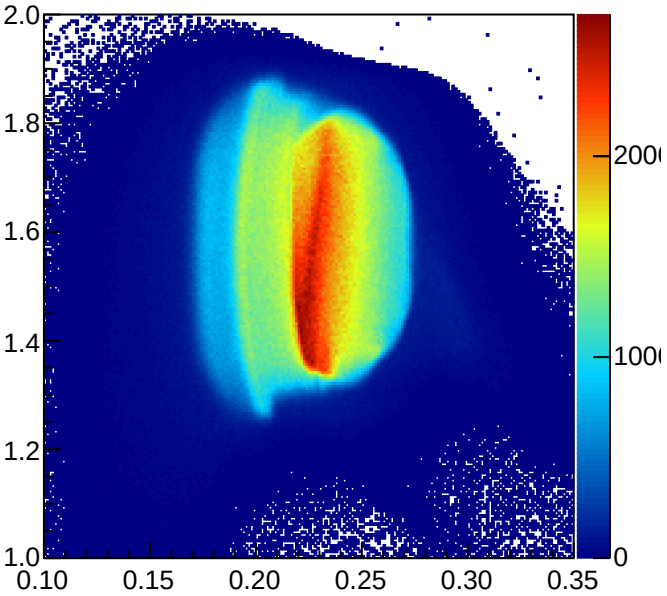
L_th : L_ph (LHRS frame), No Cut



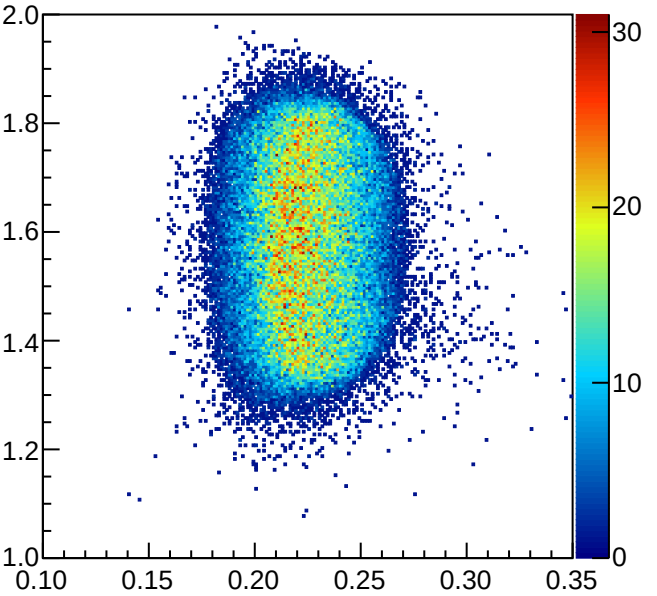
L_th : L_ph (LHRS frame), w/ Z, AC



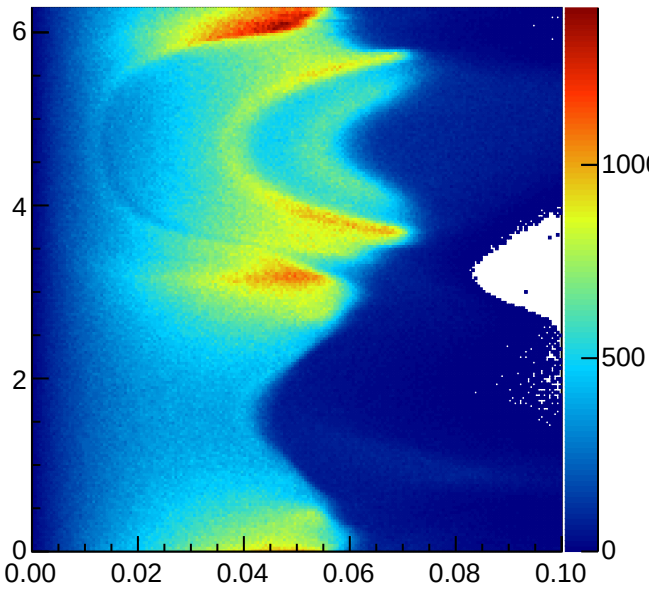
L_th : L_ph (original frame), No Cut



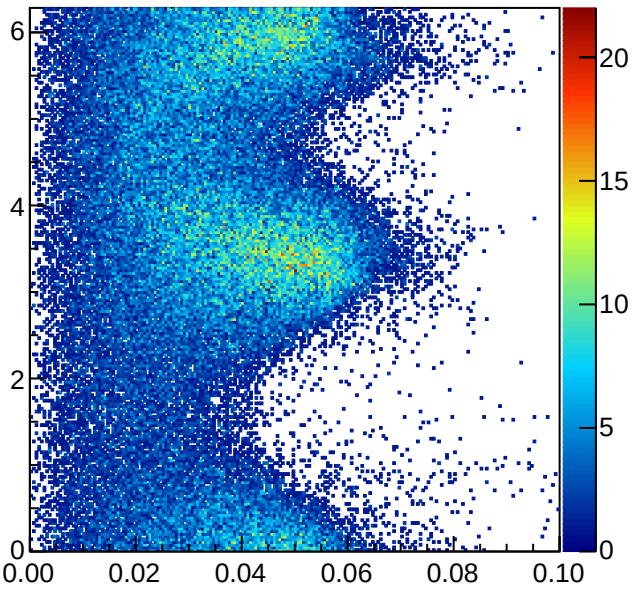
L_th : L_ph (original frame), w/ Z, AC Cut

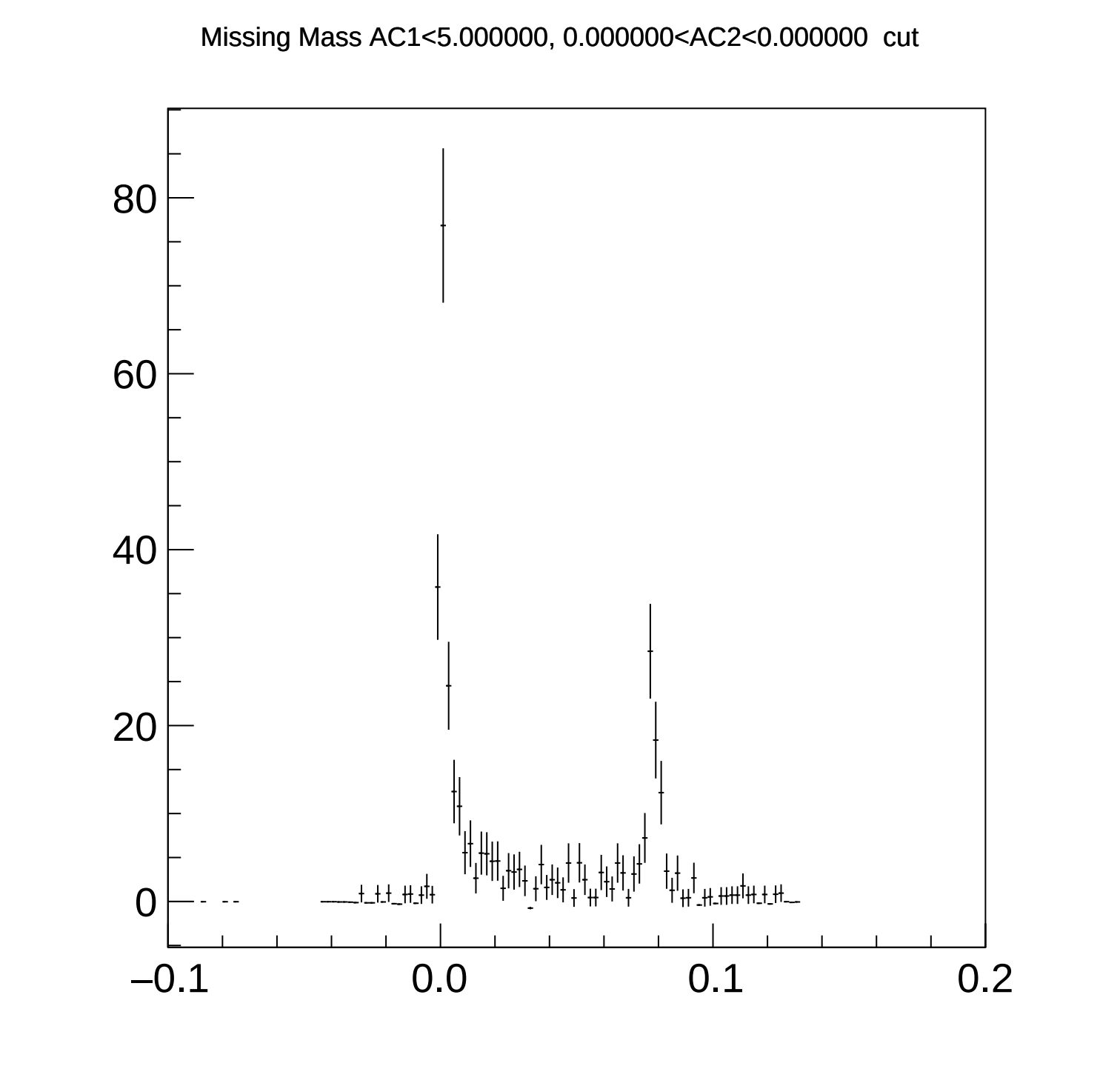


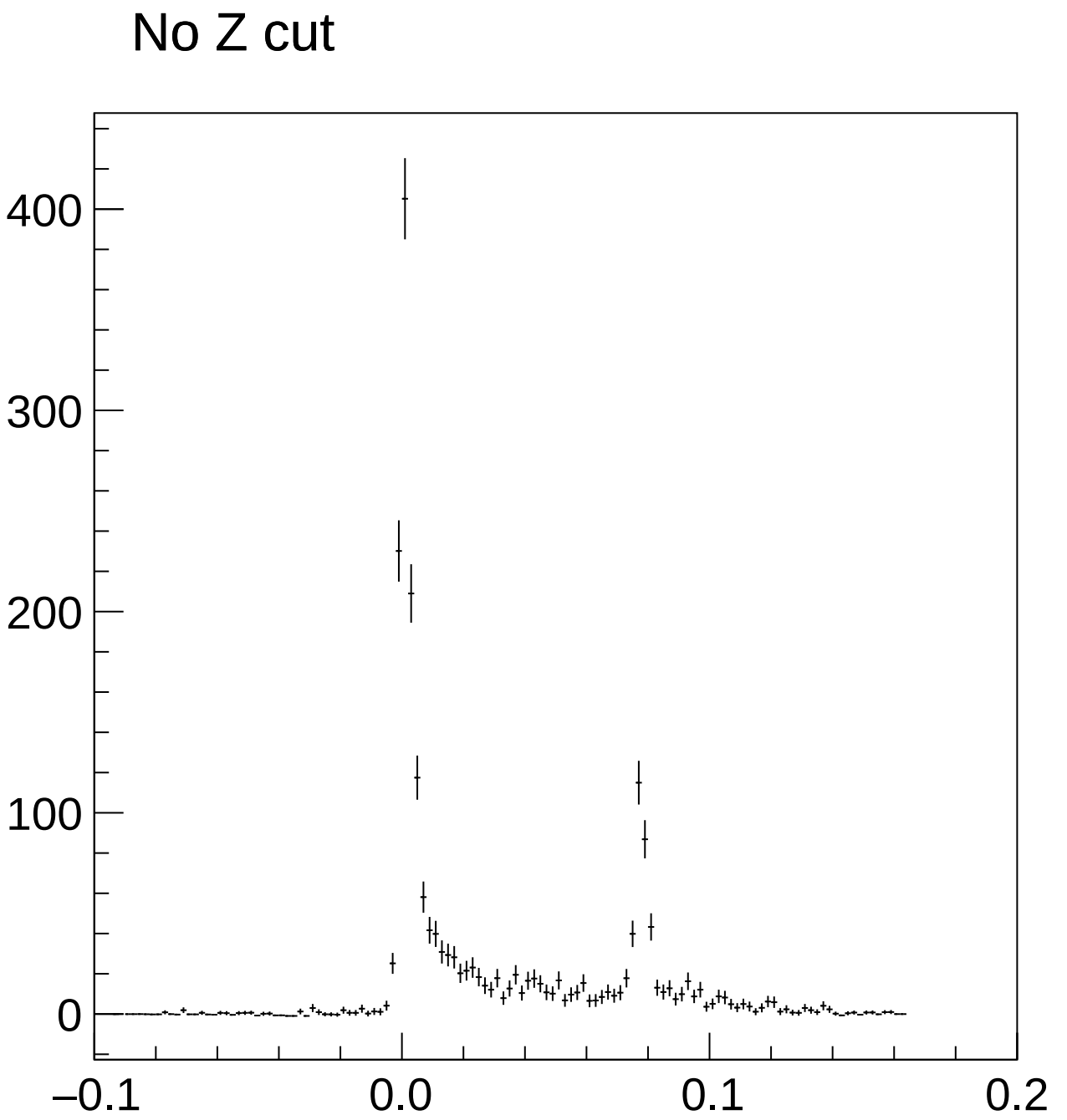
L_th : L_ph (LHRS frame), No Cut

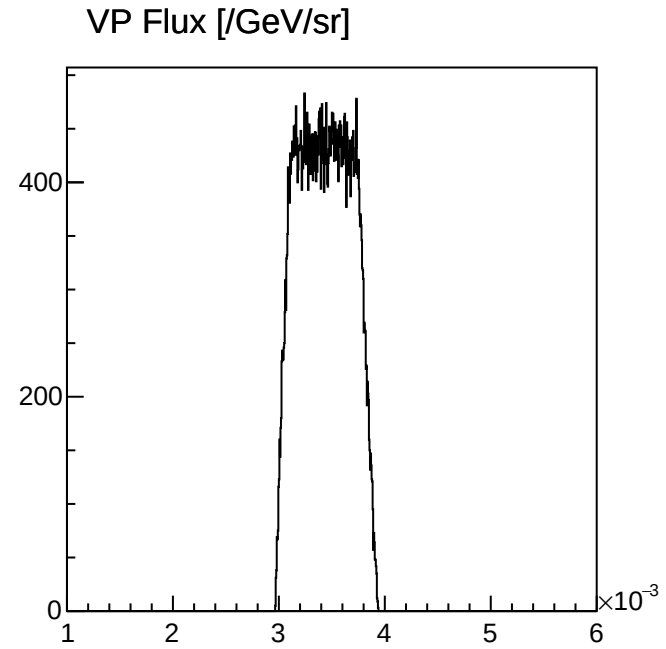


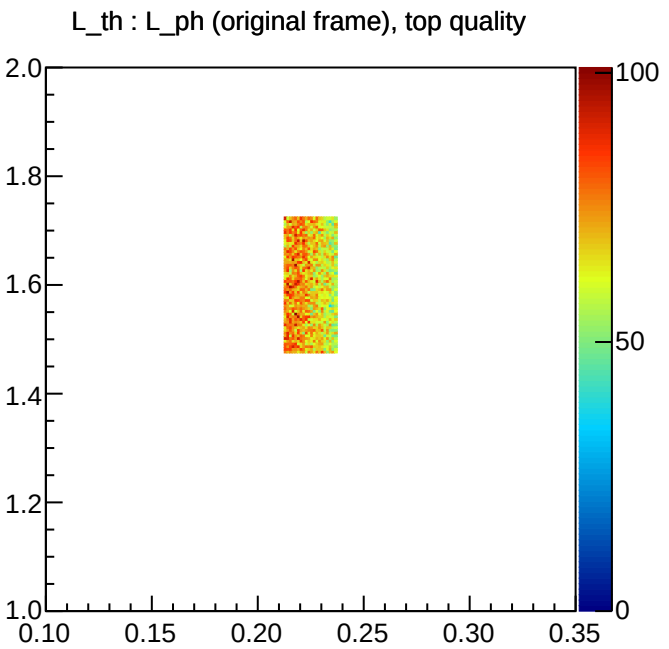
L_th : L_ph (LHRS frame), w/ Z, AC

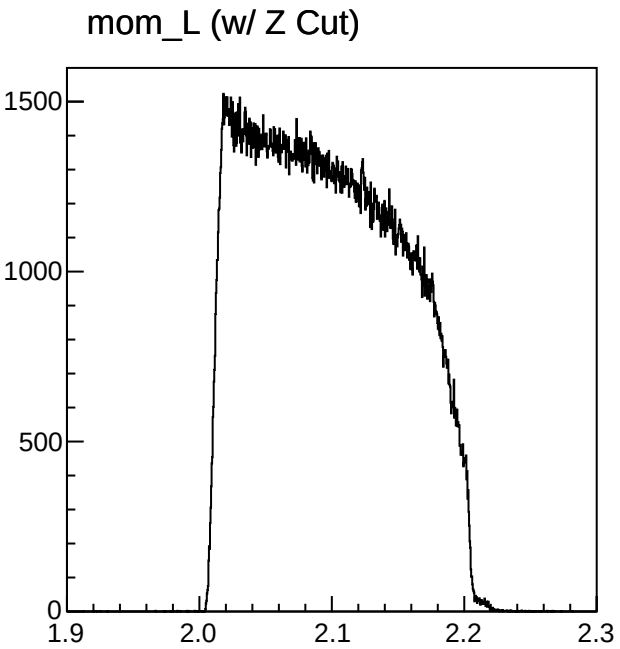


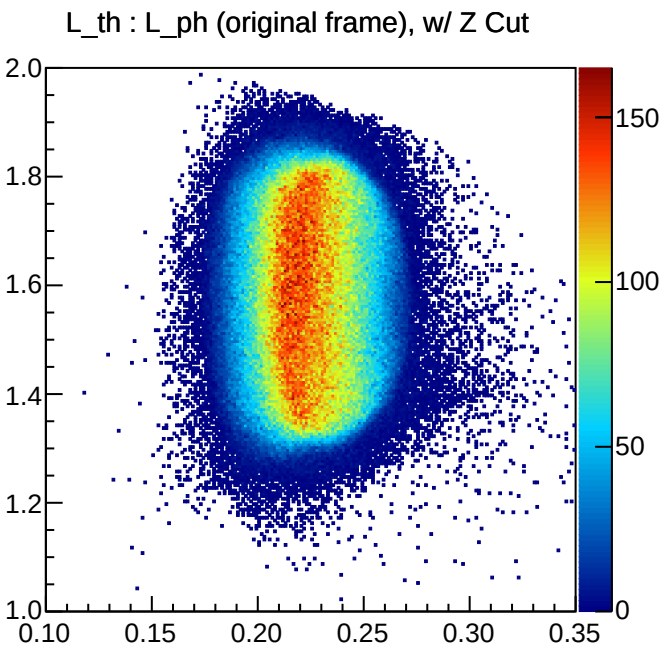

Missing Mass AC1<5.000000, 0.000000<AC2<0.000000 cut
80
60
40
20
0
–0.1
0.0
0.1
0.2

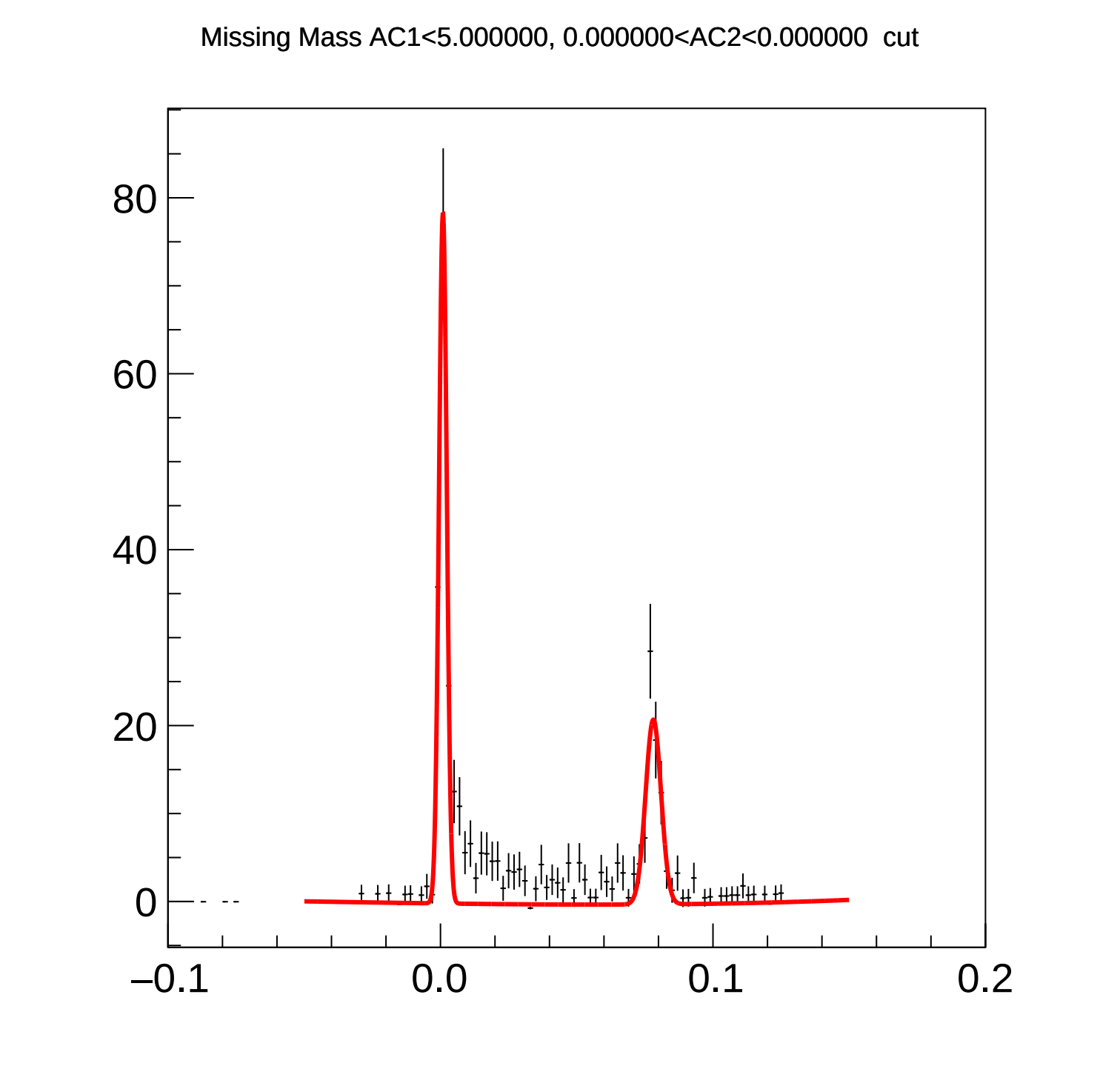

No Z cut
400
300
200
100
0
–0.1
0.0
0.1
0.2

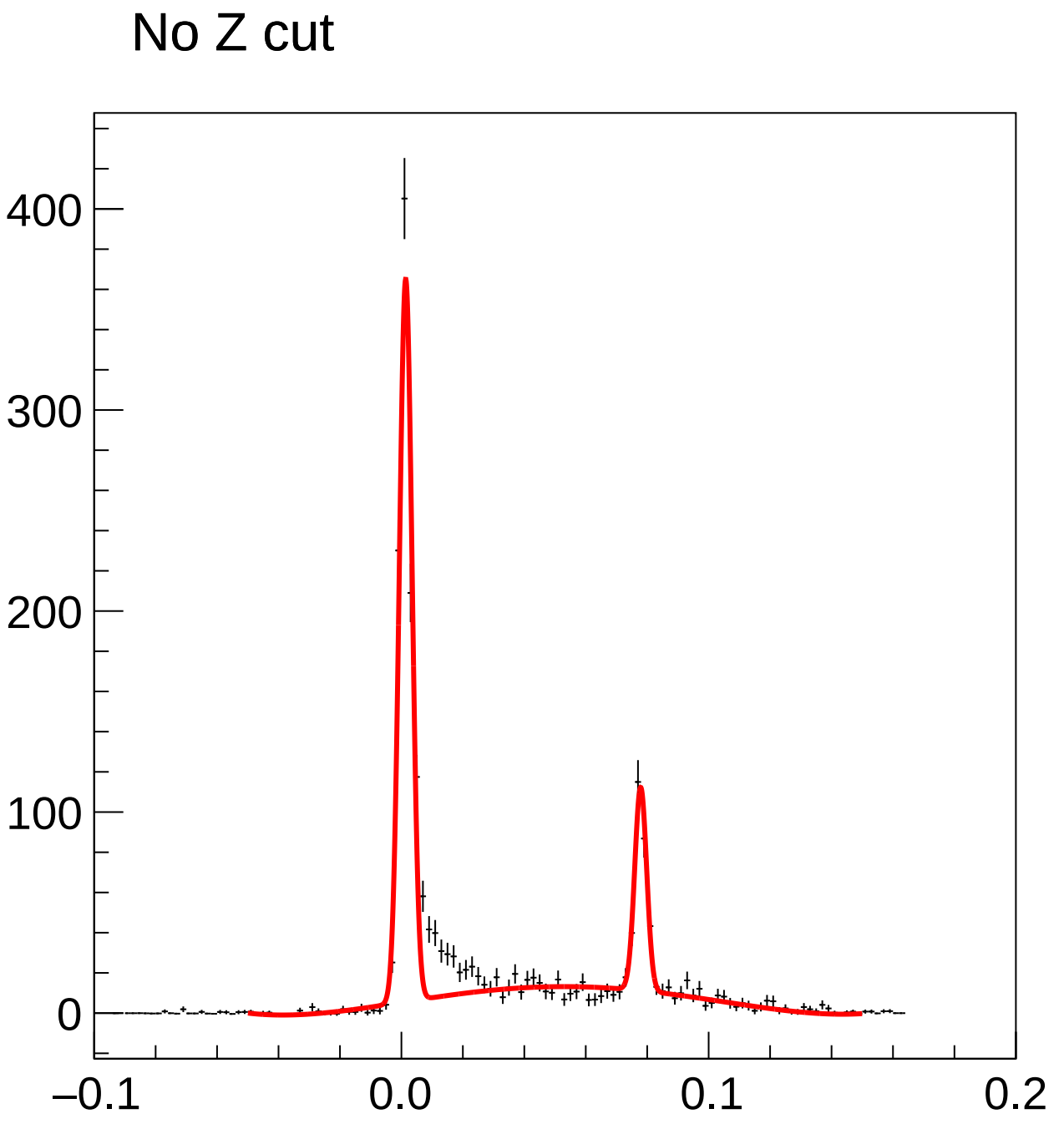

VP Flux [/GeV/sr]
400
200
0
1
2
3
4
5
6
×10⁻³


L_th : L_ph (original frame), top quality
2.0
1.8
1.6
1.4
1.2
1.0
0.10
0.15
0.20
0.25
0.30
0.35
100
50
0

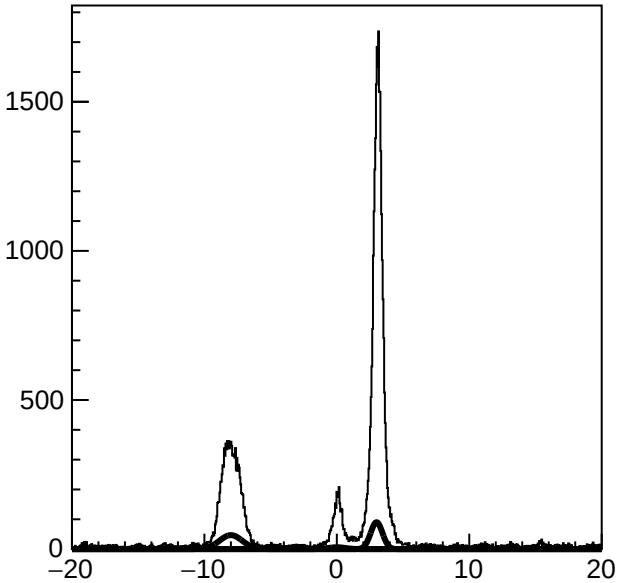

mom_L (w/ Z Cut)
1500
1000
500
0
1.9
2.0
2.1
2.2
2.3


L_th : L_ph (original frame), w/ Z Cut
2.0
1.8
1.6
1.4
1.2
1.0
0.10
0.15
0.20
0.25
0.30
0.35
150
100
50
0

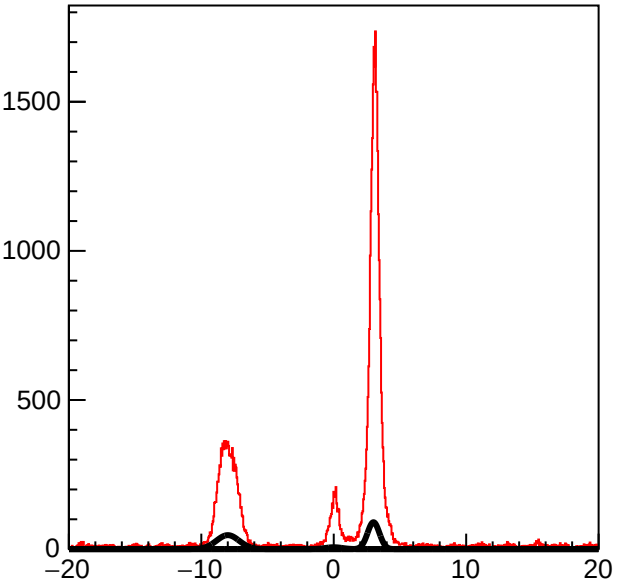

Missing Mass AC1<5.000000, 0.000000<AC2<0.000000 cut
80
60
40
20
0
–0.1
0.0
0.1
0.2


No Z cut
400
300
200
100
0
–0.1
0.0
0.1
0.2

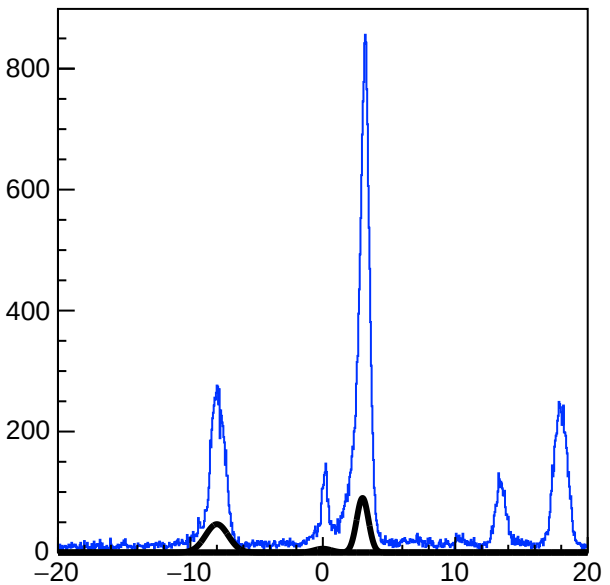
Cointime_before



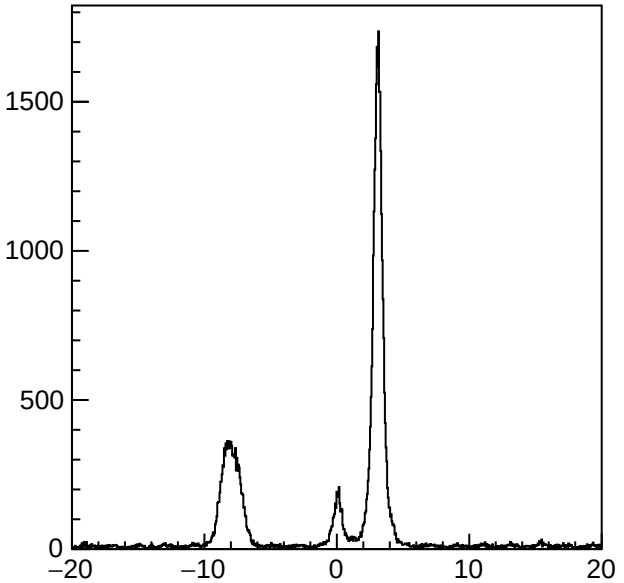
Cointime_after



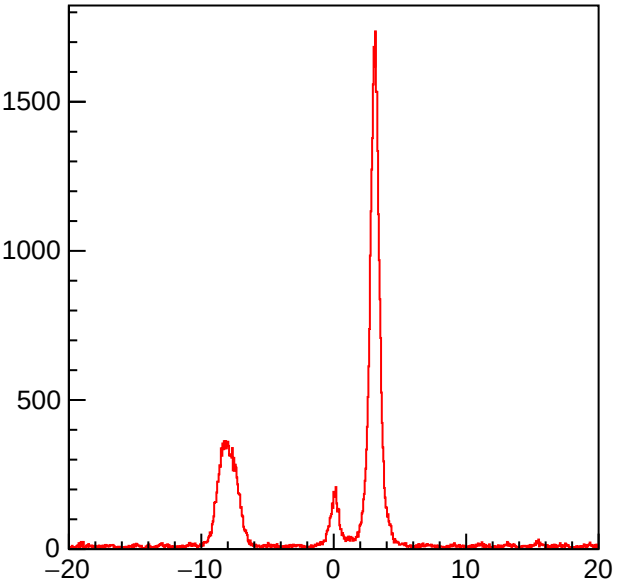
Itabashi_Cointime



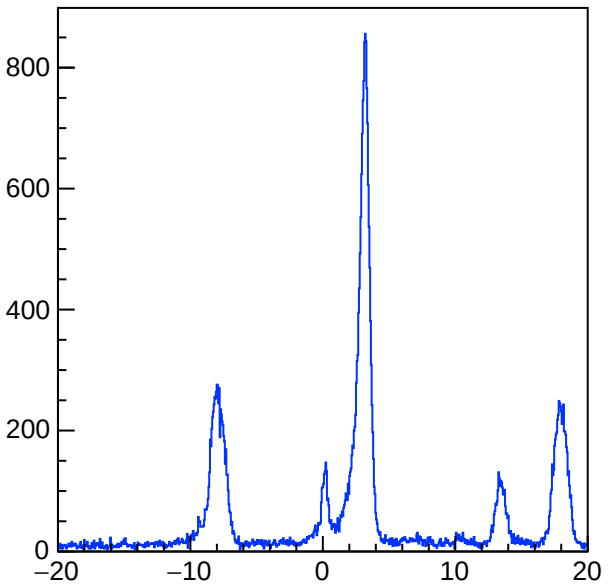
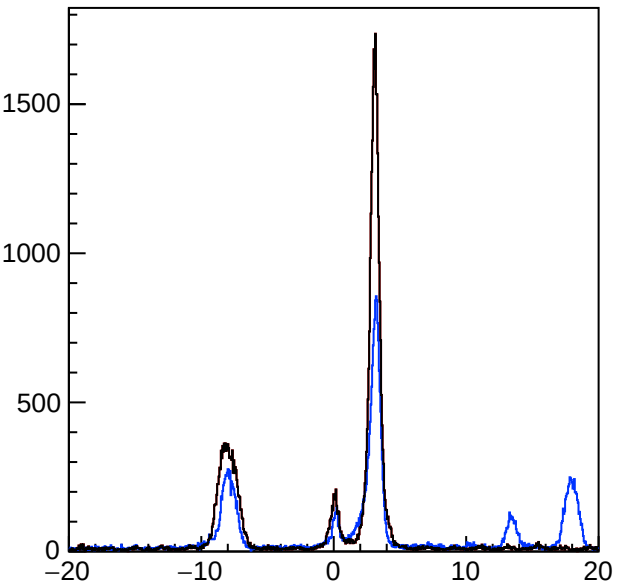
Cointime_before



Cointime_after



Itabashi_Cointime



Cointime_after