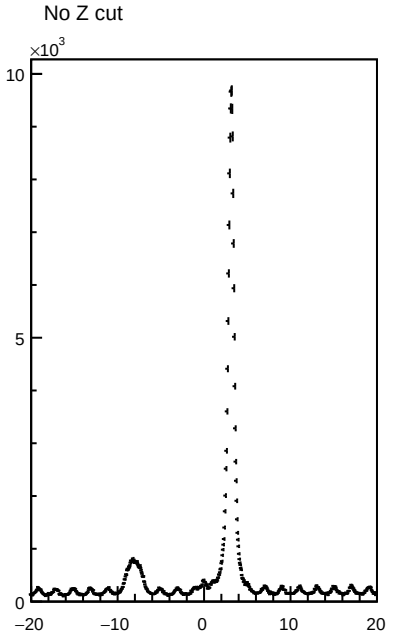
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×10^3
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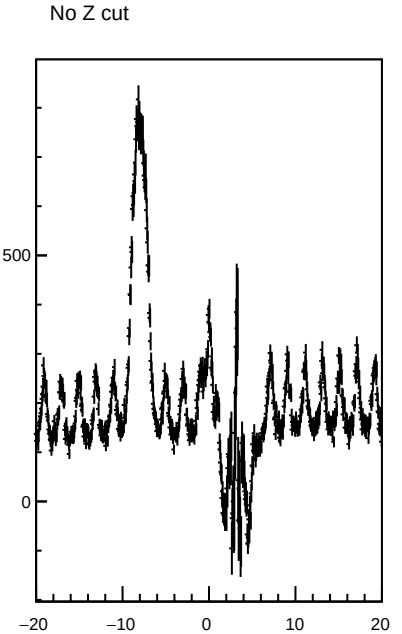
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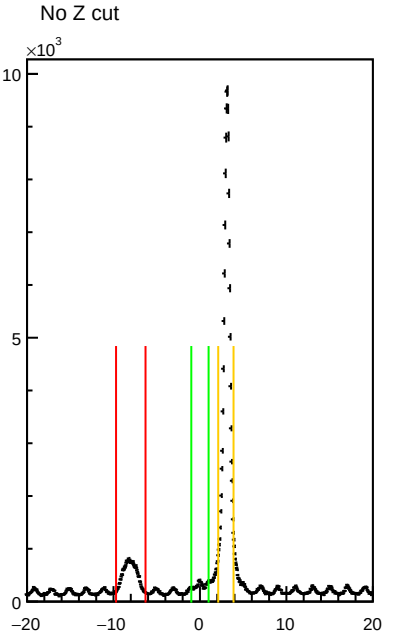
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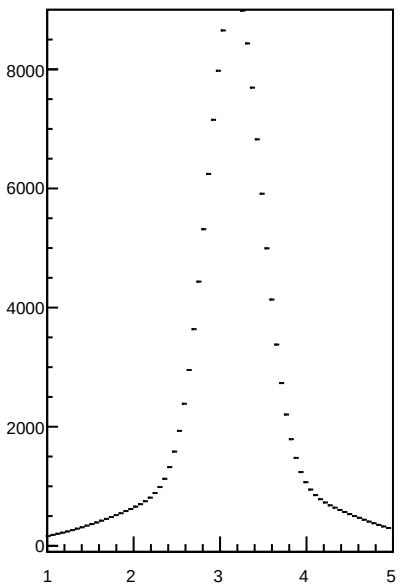
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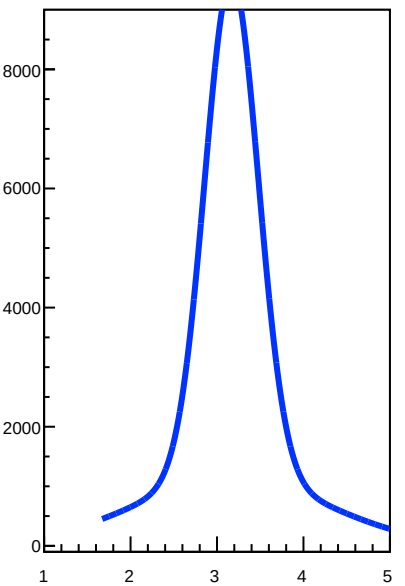
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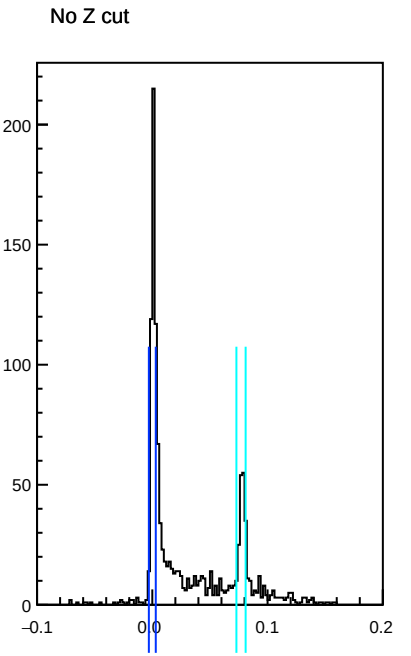
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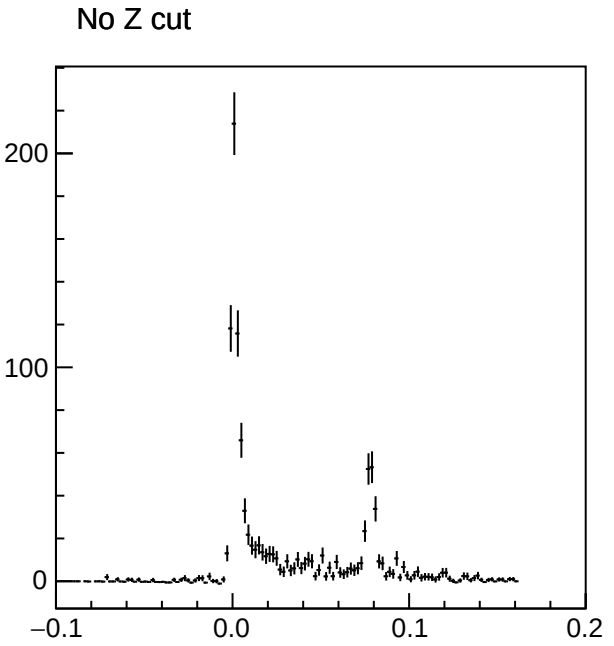
0.2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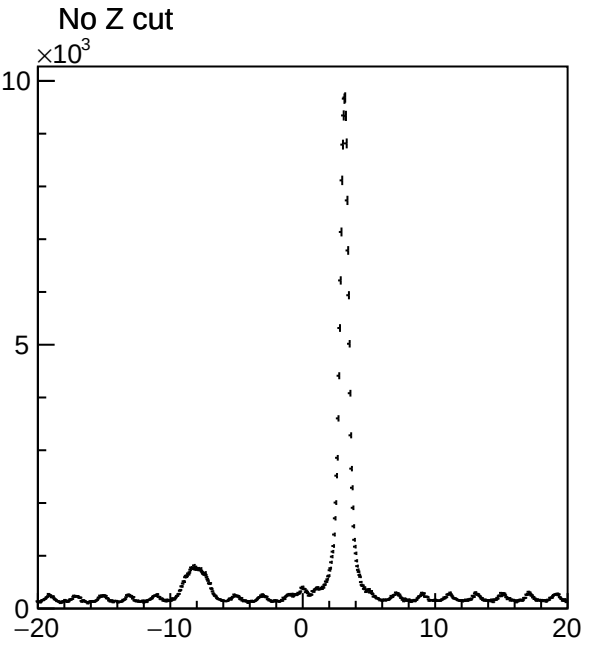
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×10^3
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5
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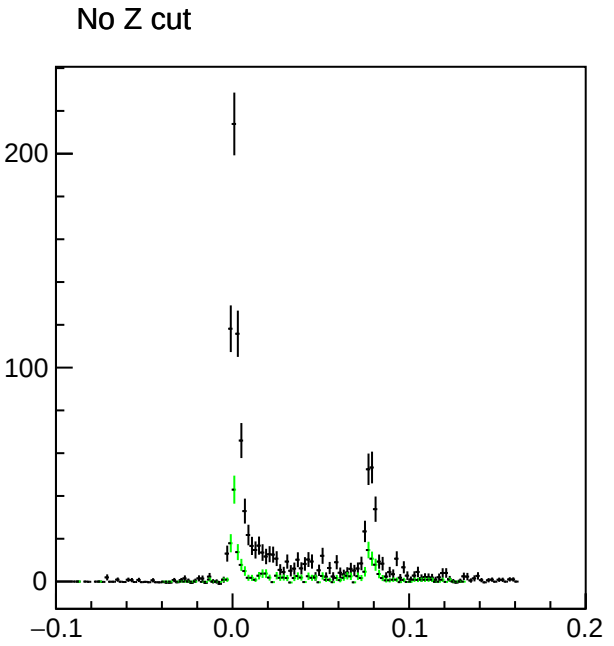
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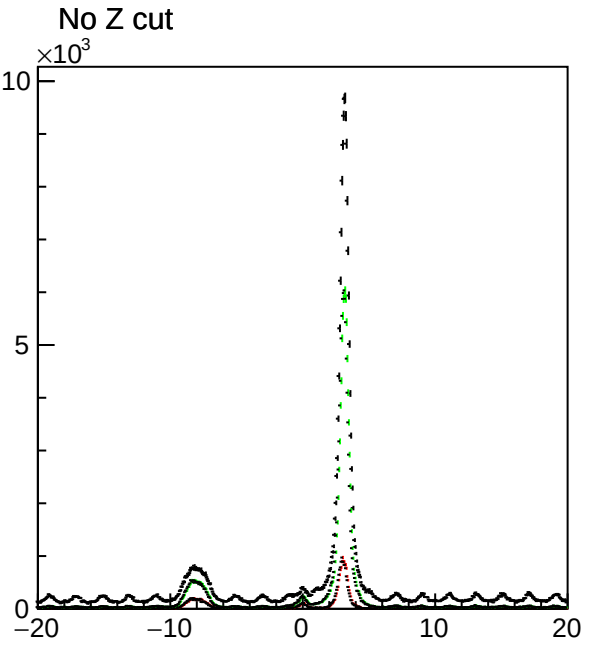
0.1
0.2


No Z cut
×10^3
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5
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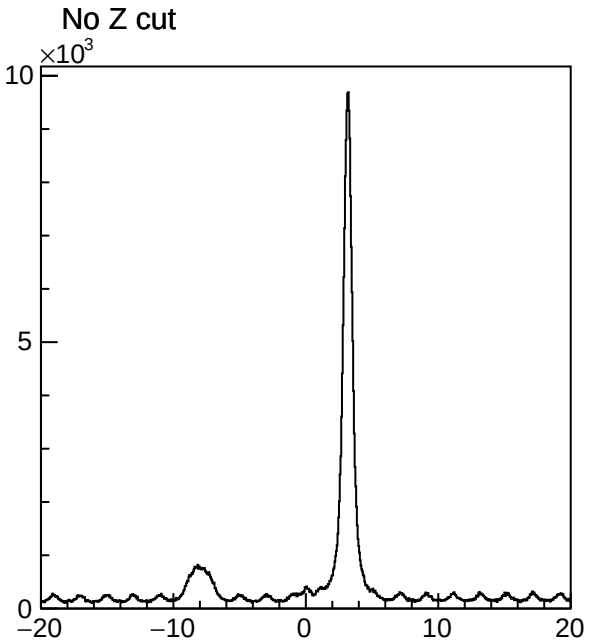
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×10^3
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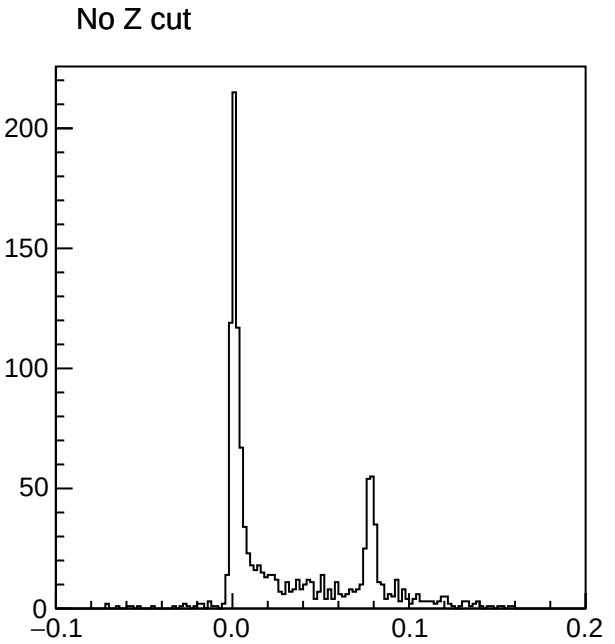
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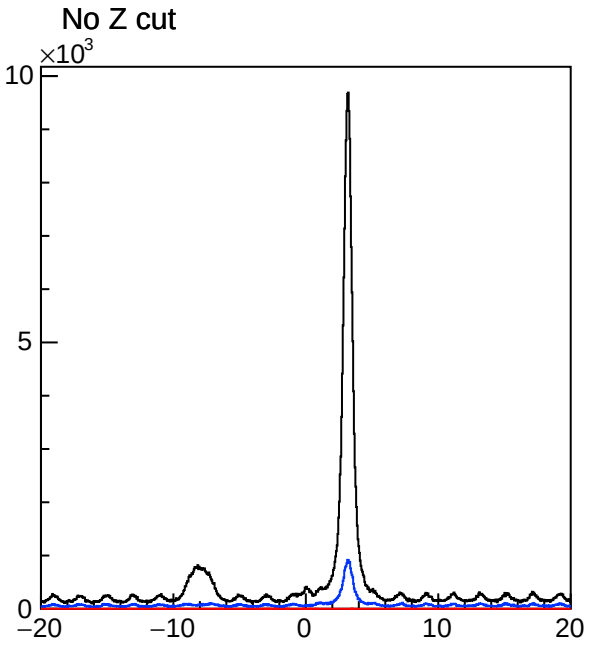
0.2


No Z cut
×10^3
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5
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−20
−10
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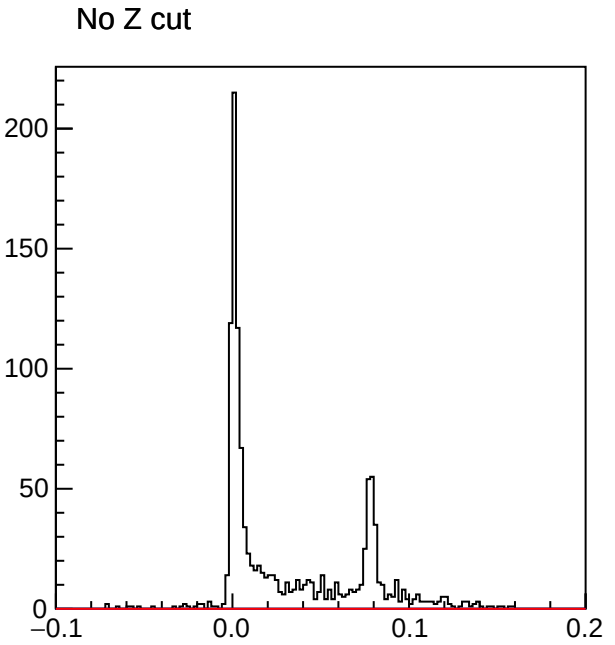
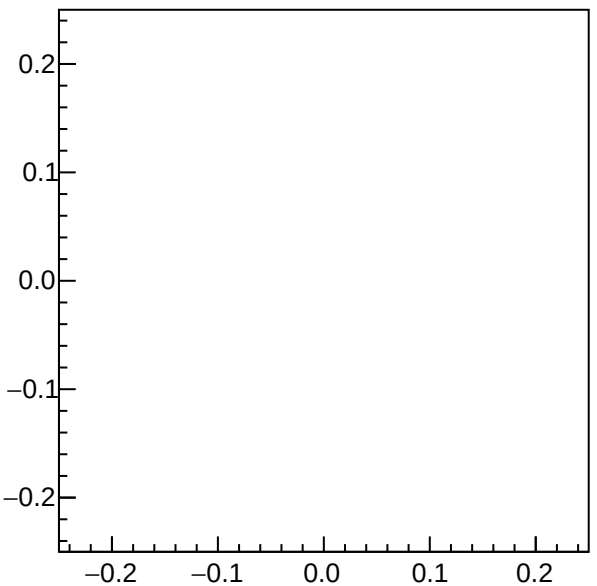
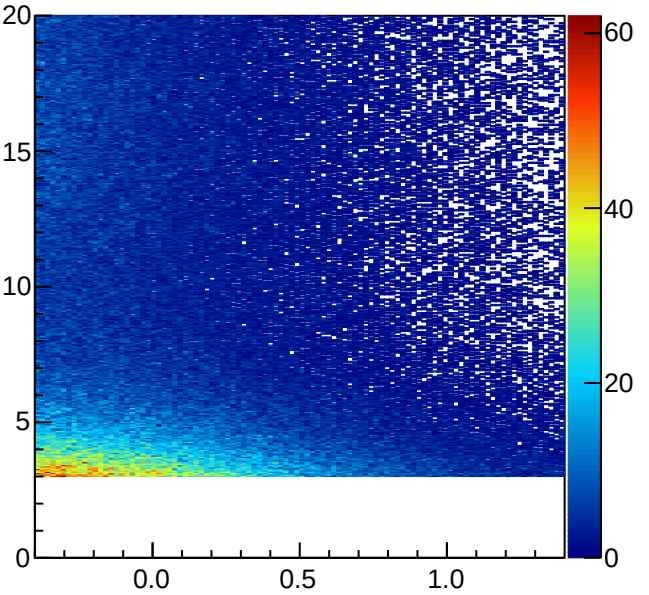

No Z cut
200
150
100
50
0
−0.1
0.0
0.1
0.2

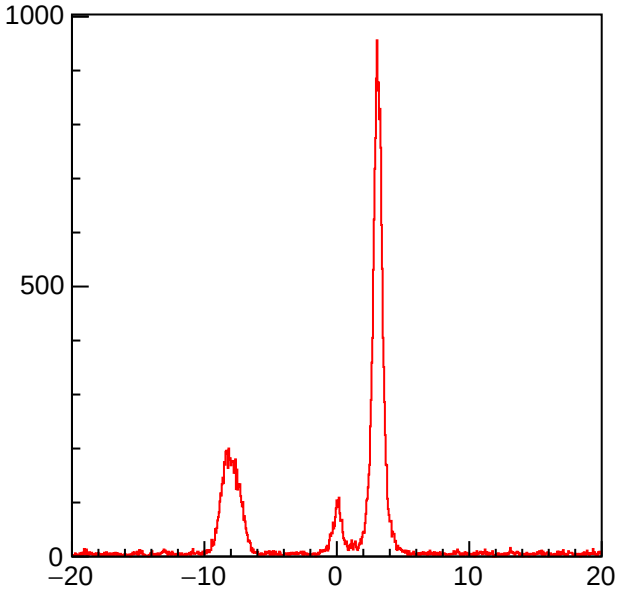
h_zz



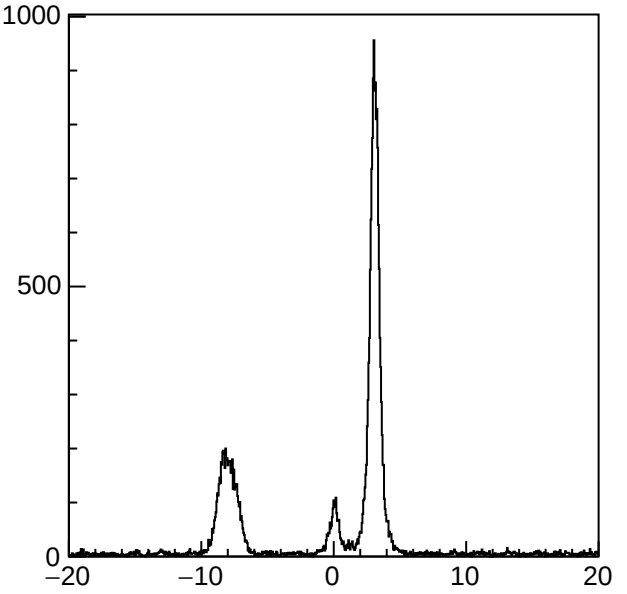
h_m2_ac



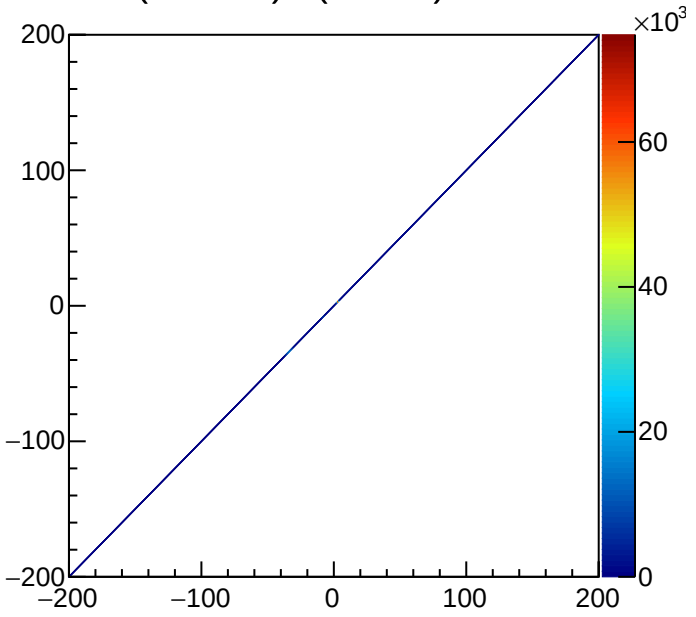
Cointime_after



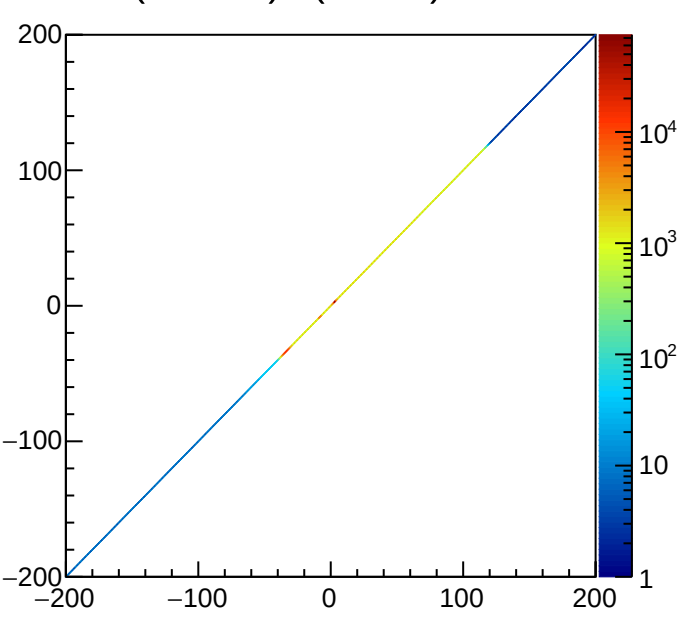
Cointime_before

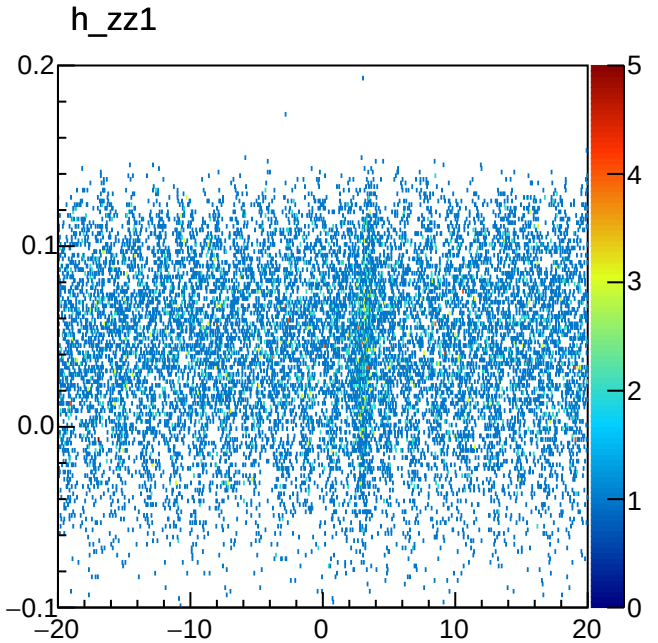


ct(w/o corr.):ct(w/ corr.)



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




h_zz1
0.2
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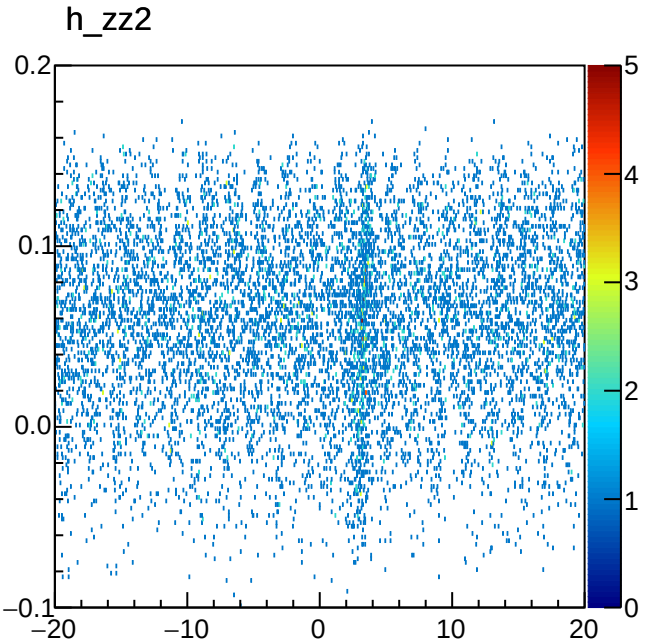
0.0
−0.1
−20
−10
0
10
20
5
4
3
2
1
0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0.1
0.0
−0.1
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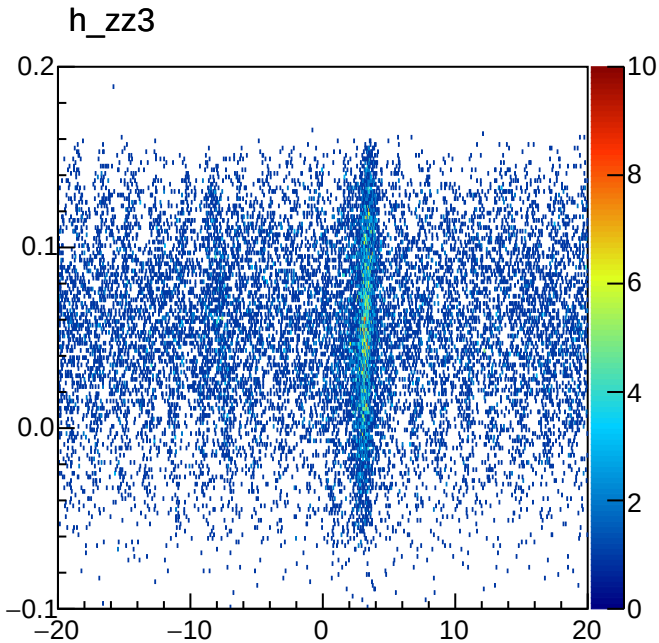
0
10
20
5
4
3
2
1
0


h_zz3
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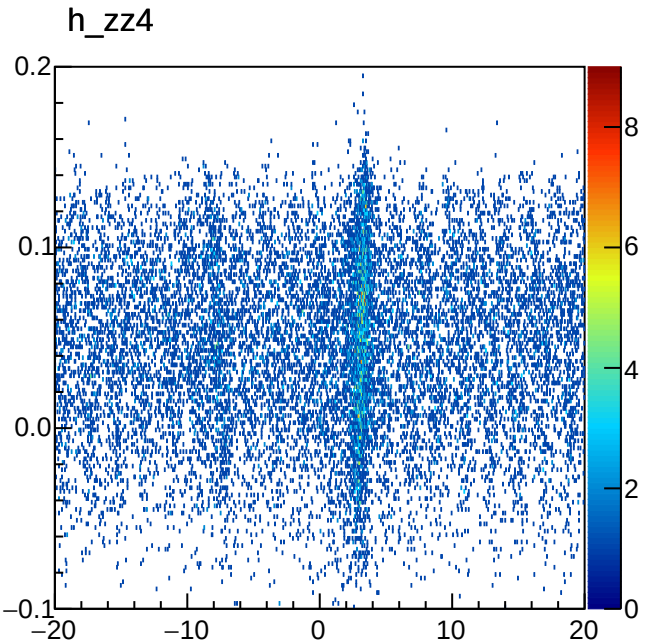
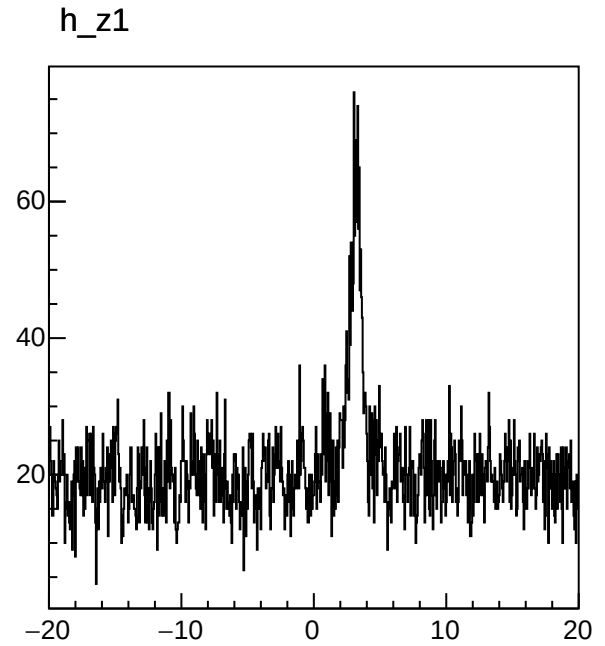
0.1
0.0
−0.1
−20
−10
0
10
20
10
8
6
4
2
0


h_zz4
0.2
0.1
0.0
−0.1
−20
−10
0
10
20
8
6
4
2
0


h_z1
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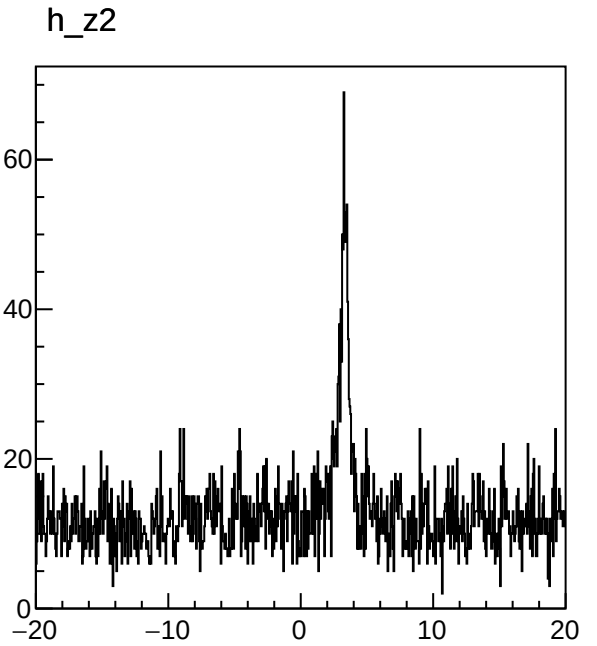
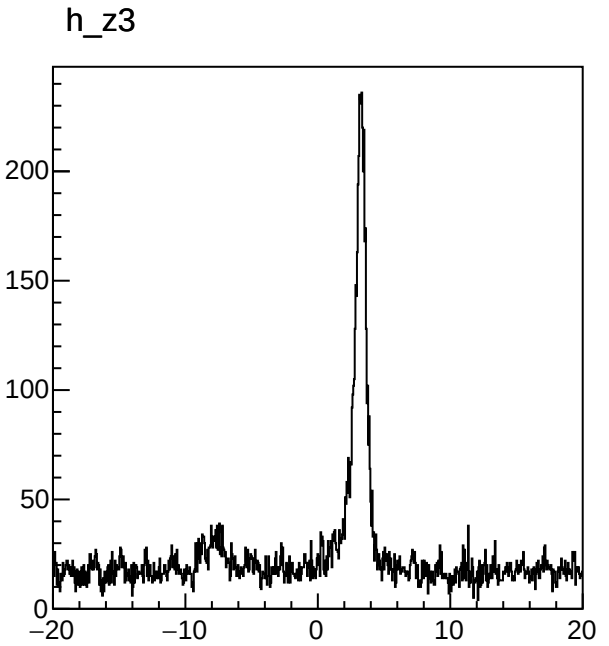
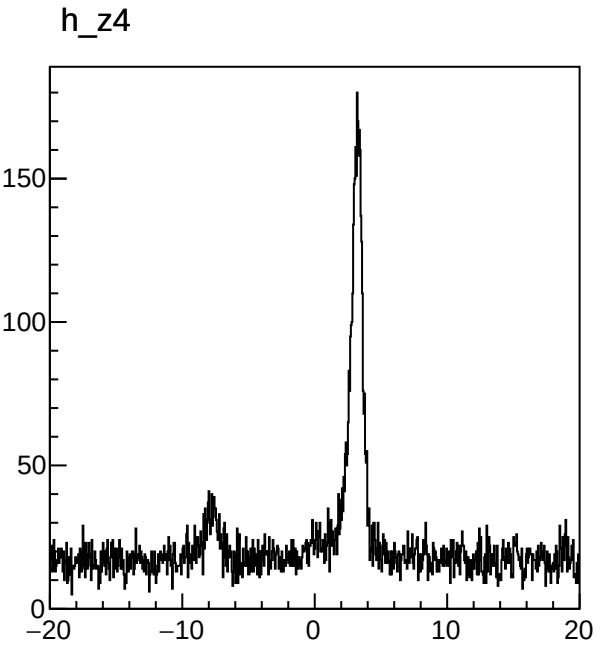
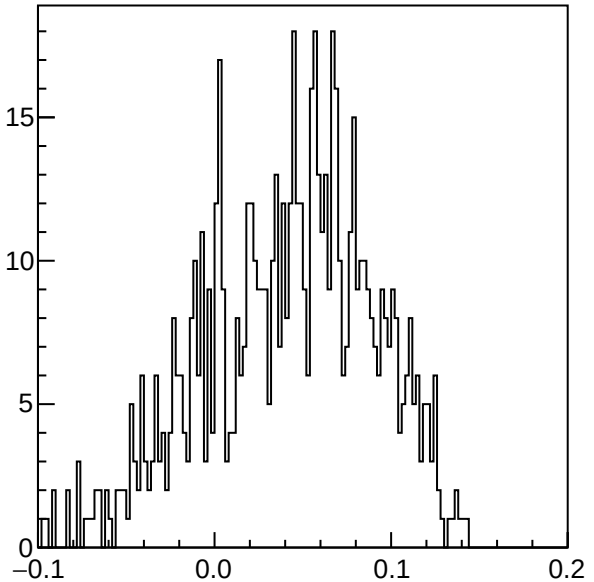
40
20
−20
−10
0
10
20


h_z2
60
40
20
0
−20
−10
0
10
20

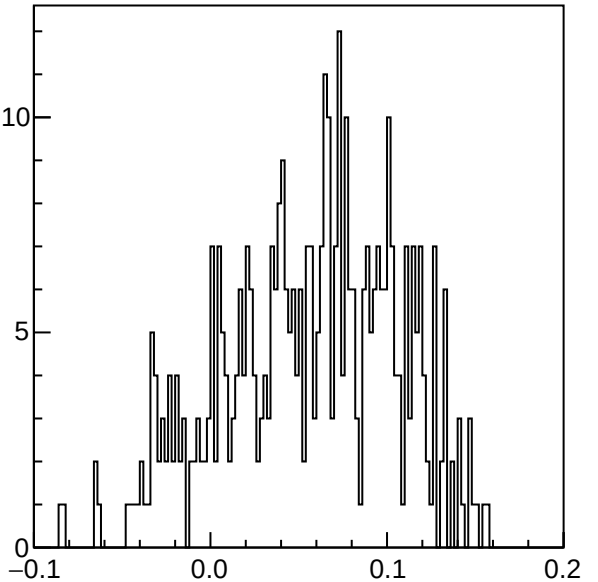

h_z3
200
150
100
50
0
−20
−10
0
10
20


h_z4
150
100
50
0
−20
−10
0
10
20

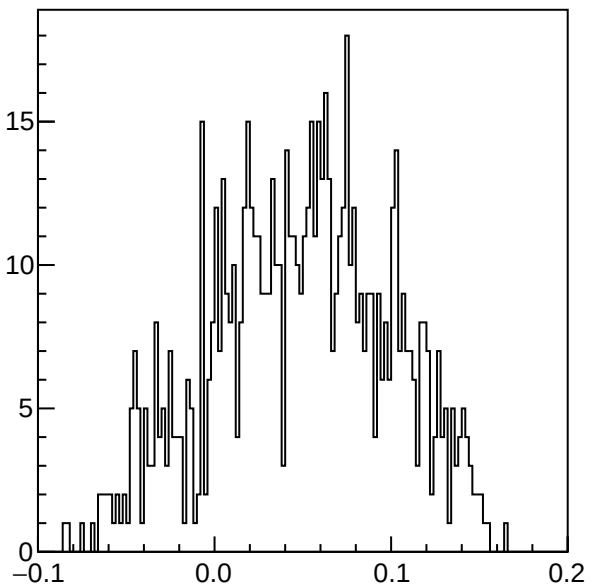
h_z11



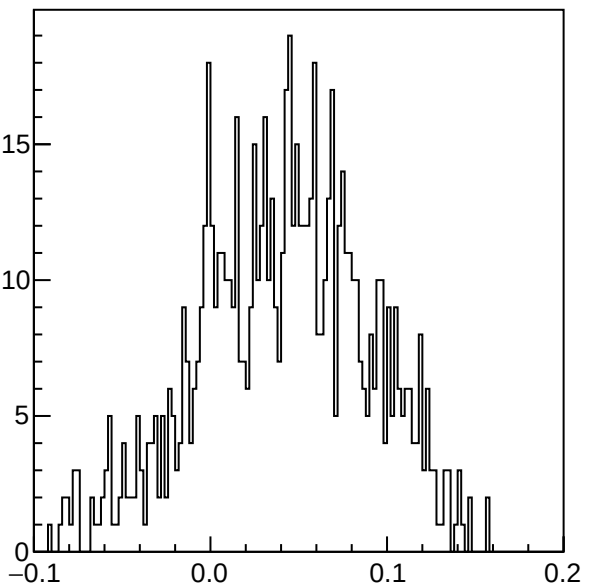
h_z22

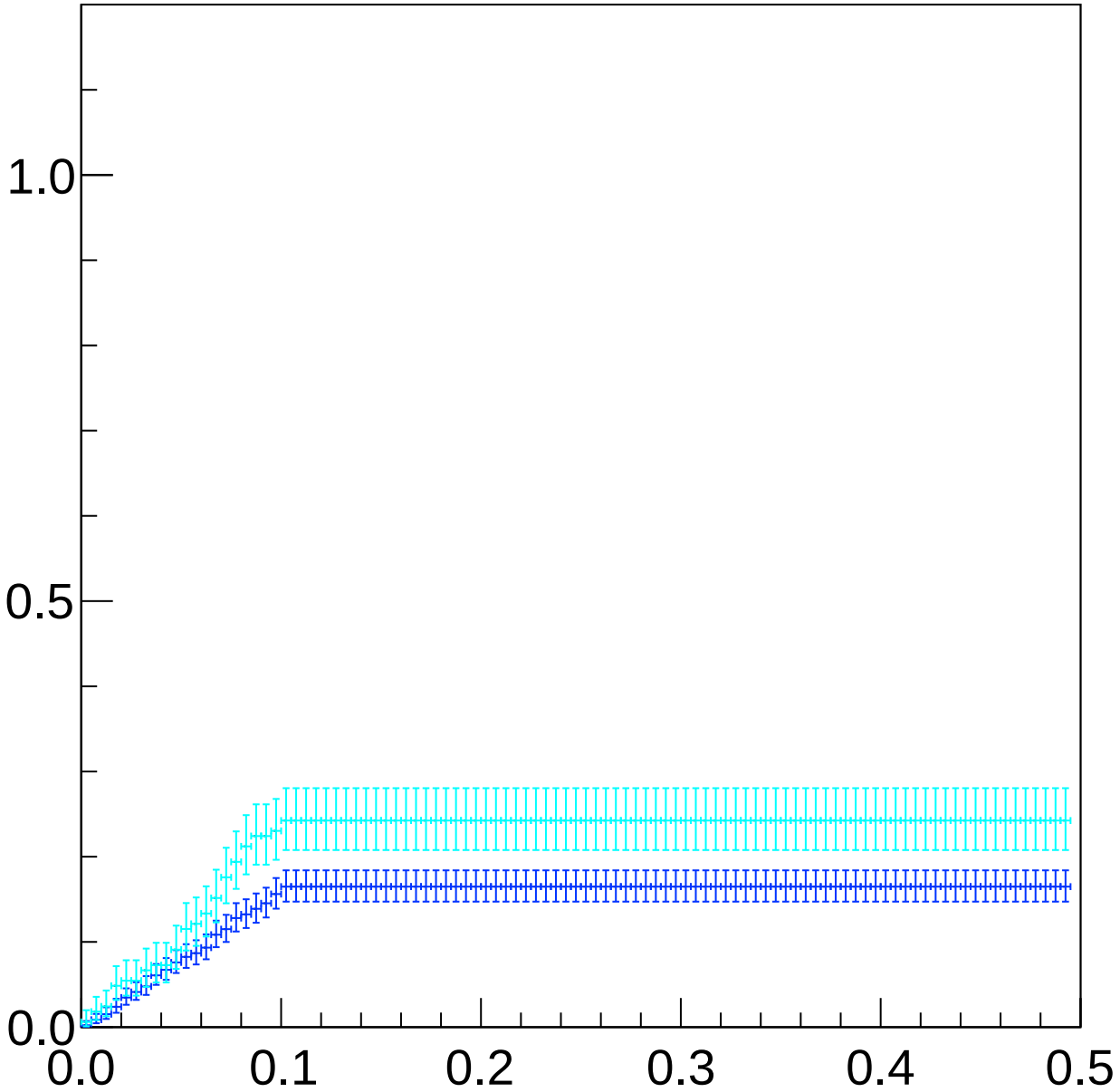


h_z33



h_z44

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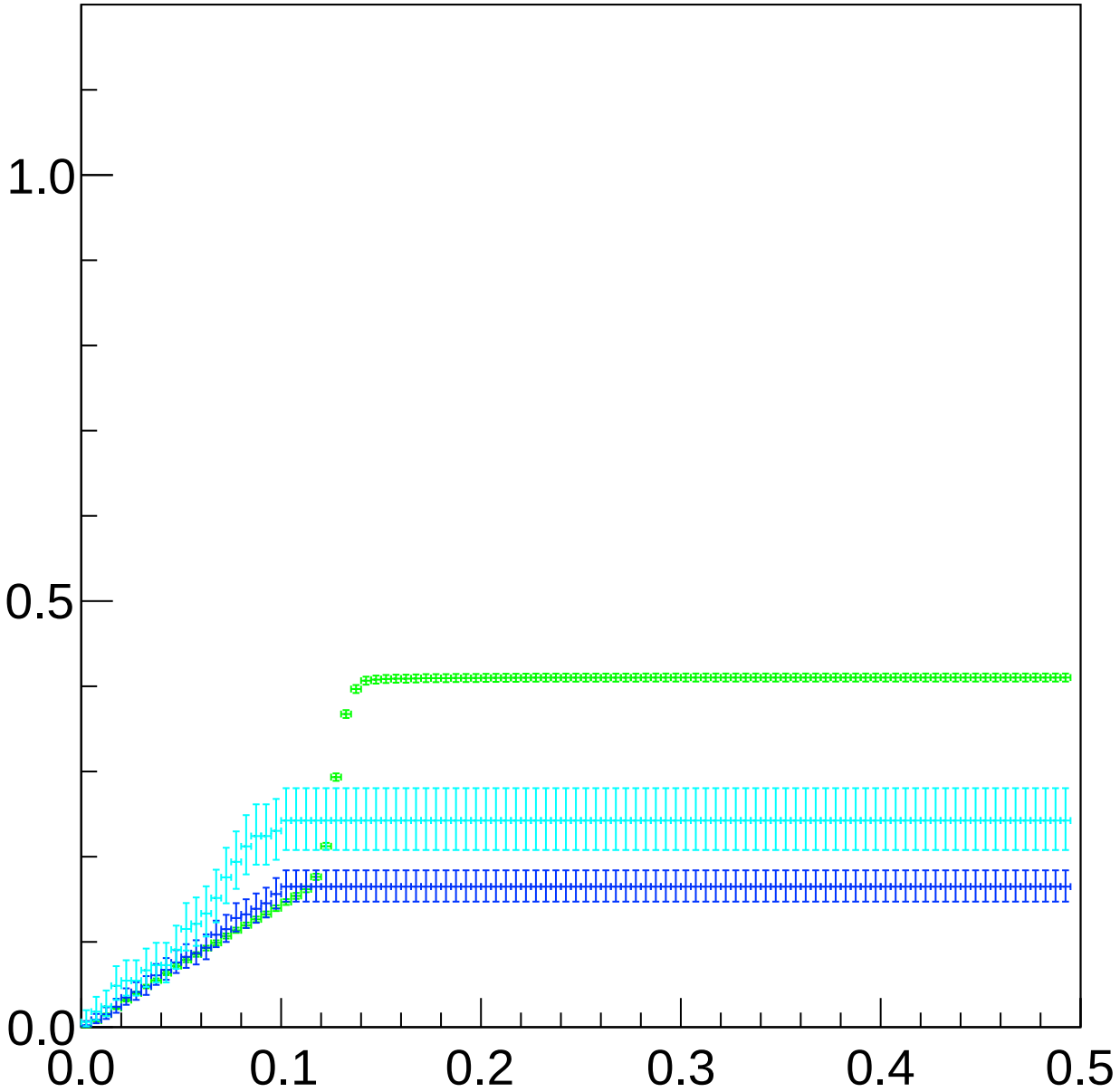
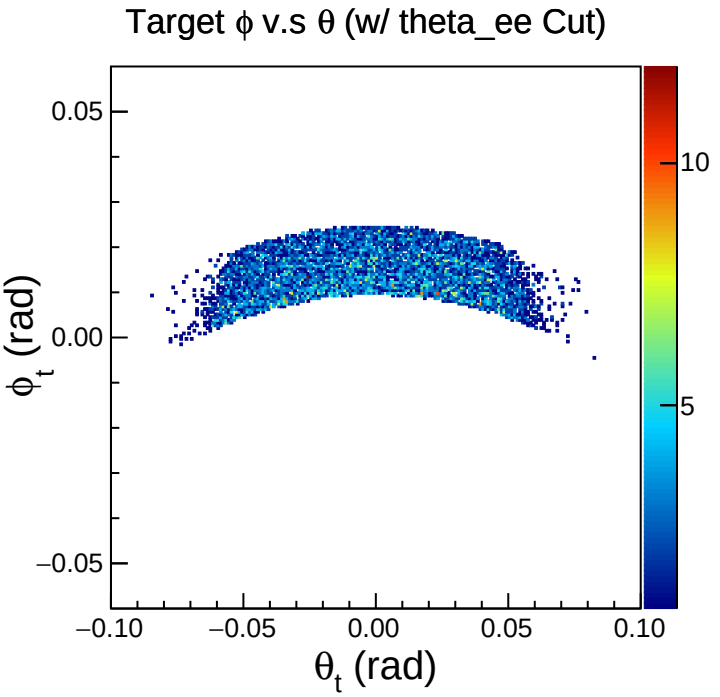
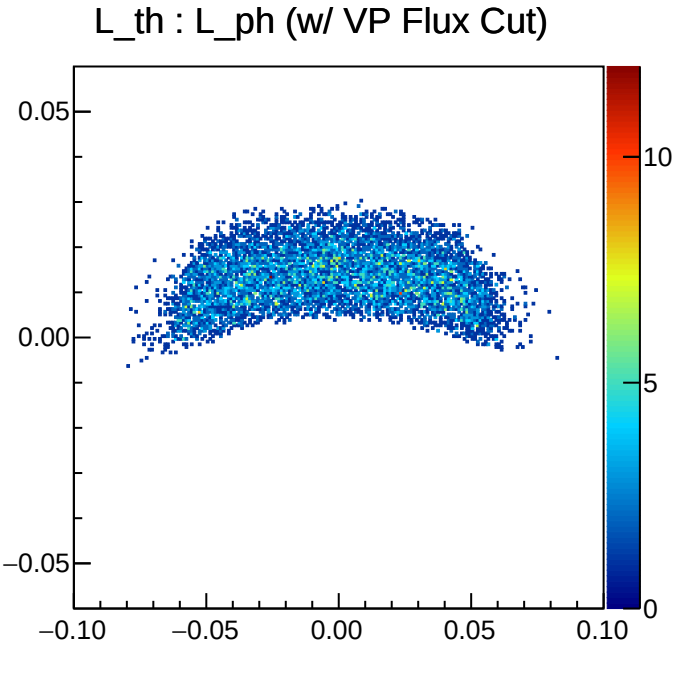
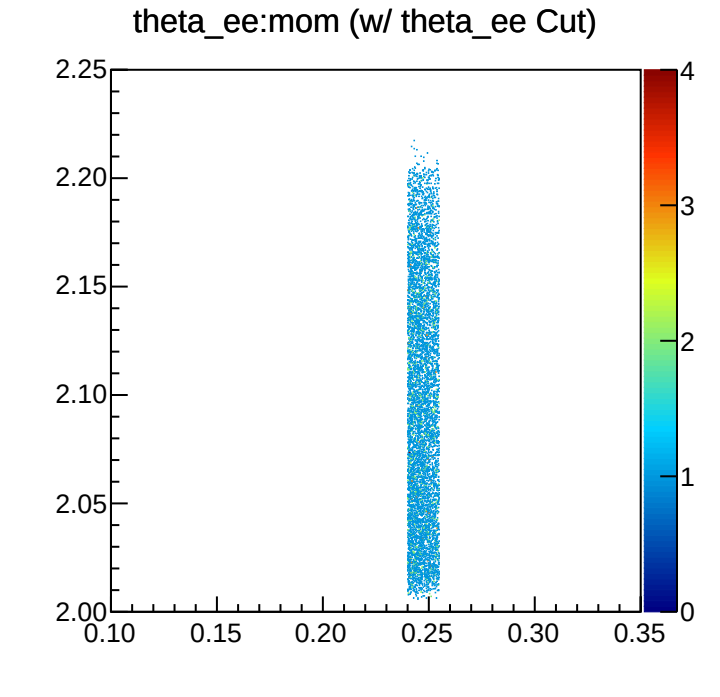
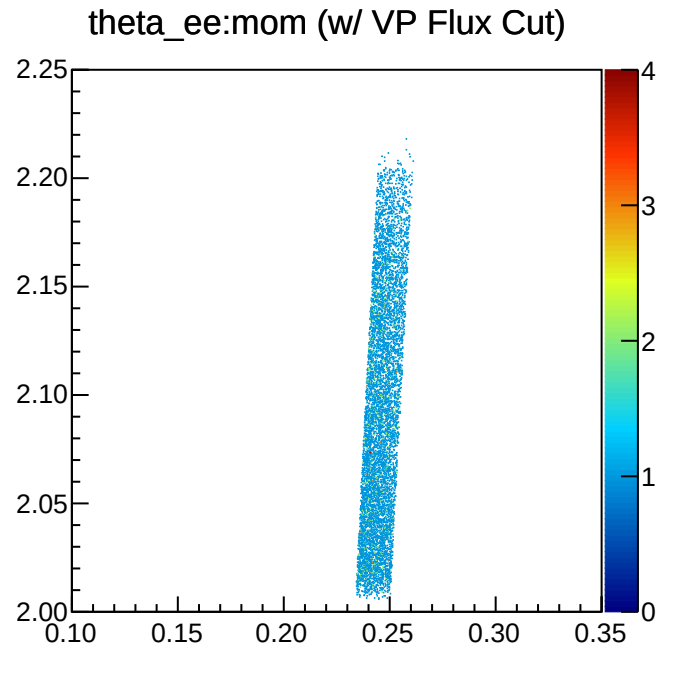
0.5
0.0
0.0
0.1
0.2
0.3
0.4
0.5

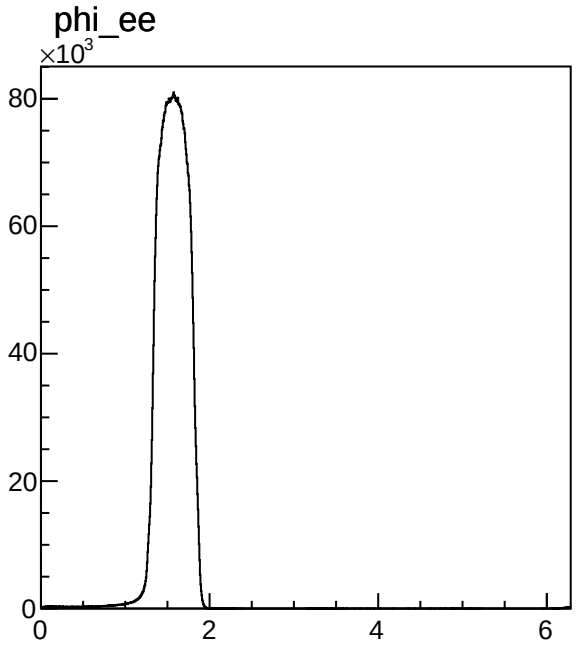

1.0
0.5
0.0
0.0
0.1
0.2
0.3
0.4
0.5

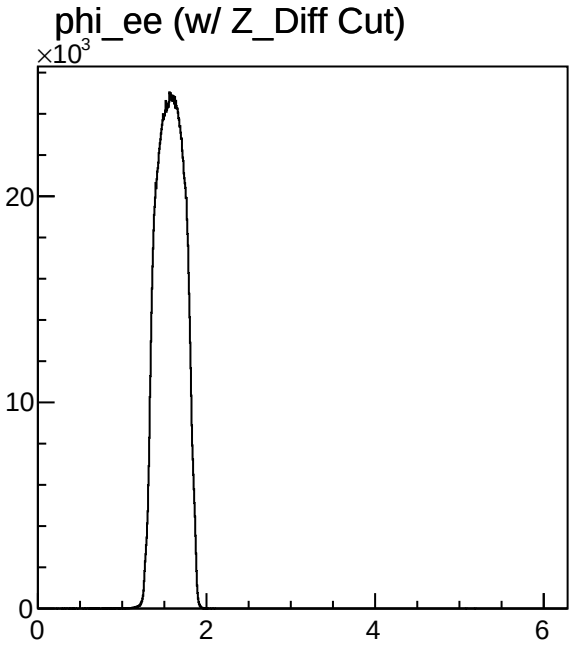

Target ϕ v.s θ (w/ theta_ee Cut)
0.05
0.00
−0.05
ϕ_t (rad)
−0.10
−0.05
0.00
0.05
0.10
θ_t (rad)
10
5

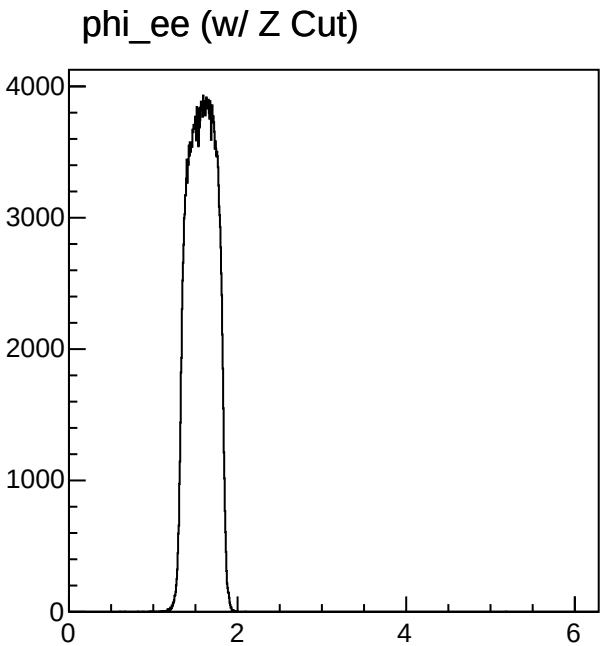

L_th : L_ph (w/ VP Flux Cut)
0.05
0.00
−0.05
−0.10
−0.05
0.00
0.05
0.10
10
5
0

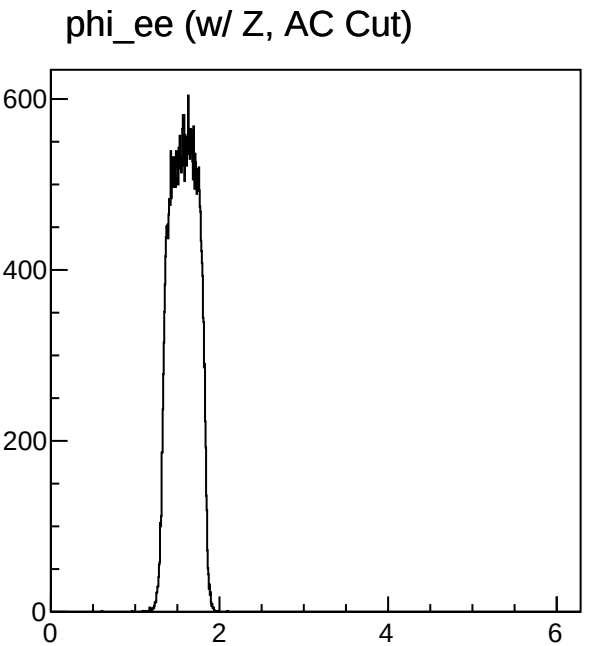

theta_ee:mom (w/ theta_ee Cut)
2.25
2.20
2.15
2.10
2.05
2.00
0.10
0.15
0.20
0.25
0.30
0.35
4
3
2
1
0

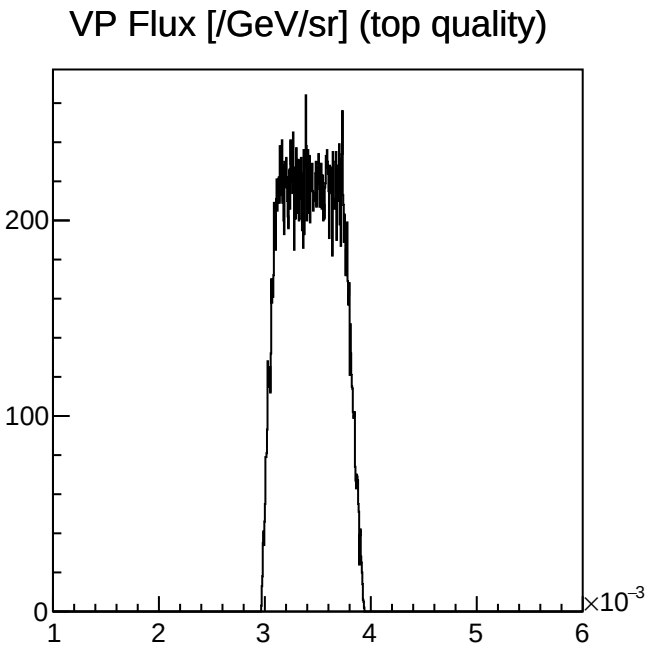

theta_ee:mom (w/ VP Flux Cut)
2.25
2.20
2.15
2.10
2.05
2.00
0.10
0.15
0.20
0.25
0.30
0.35
4
3
2
1
0

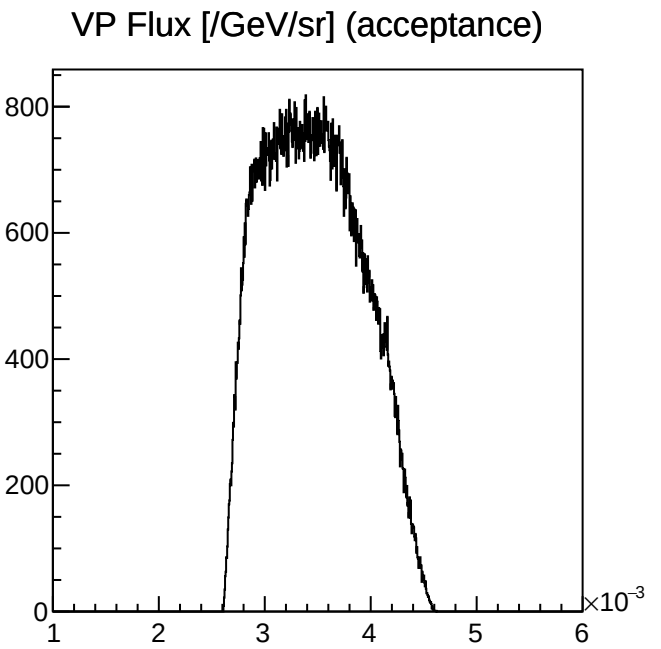

phi_ee
×10^3
80
60
40
20
0
0
2
4
6

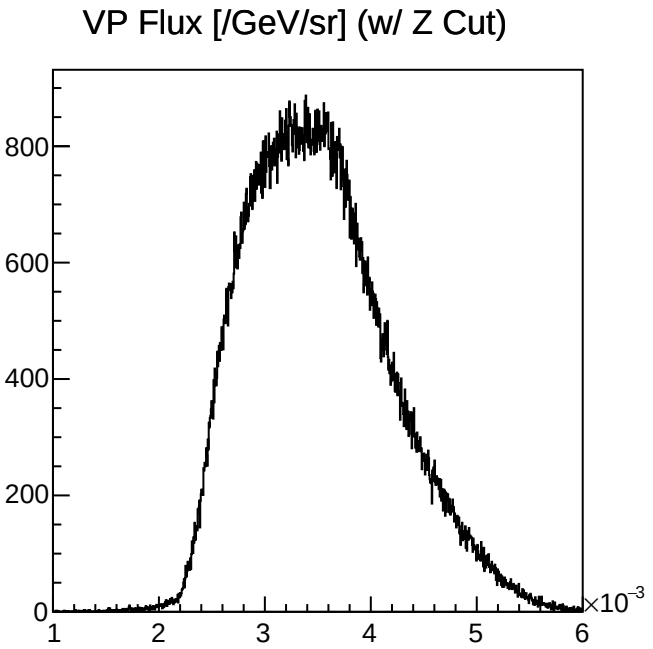

phi_ee (w/ Z_Diff Cut)
×10^3
20
10
0
0
2
4
6

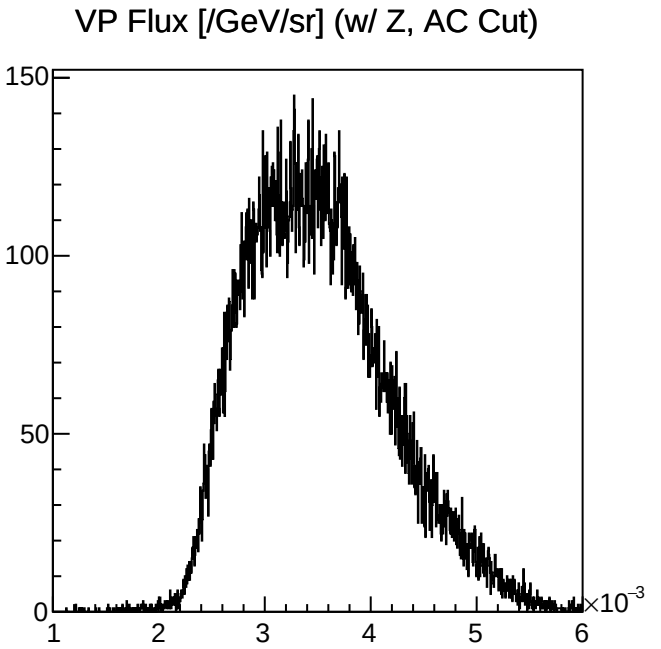

phi_ee (w/ Z Cut)
4000
3000
2000
1000
0
0
2
4
6

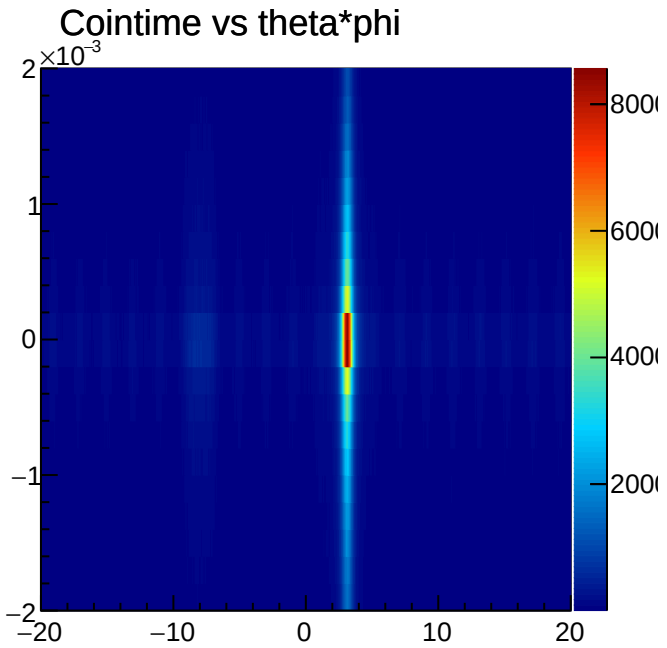

phi_ee (w/ Z, AC Cut)
600
400
200
0
0
2
4
6

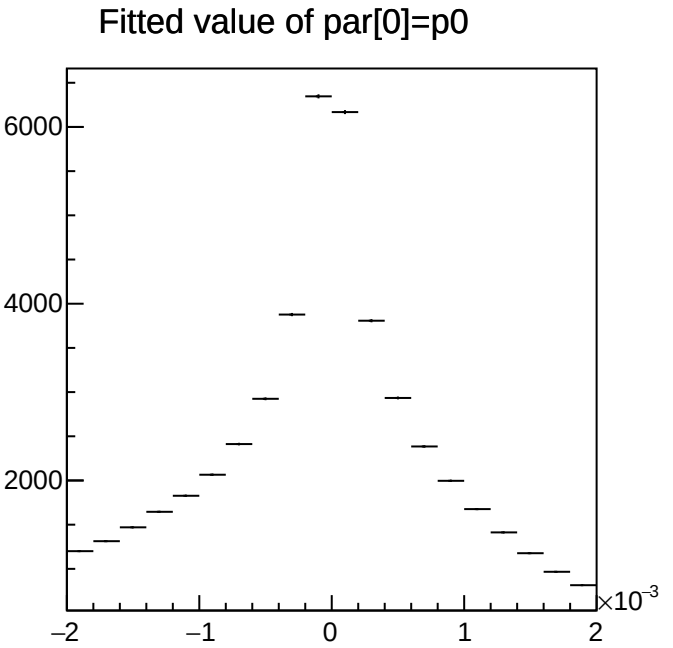

VP Flux [/GeV/sr] (top quality)
200
100
0
1
2
3
4
5
6
×10⁻³

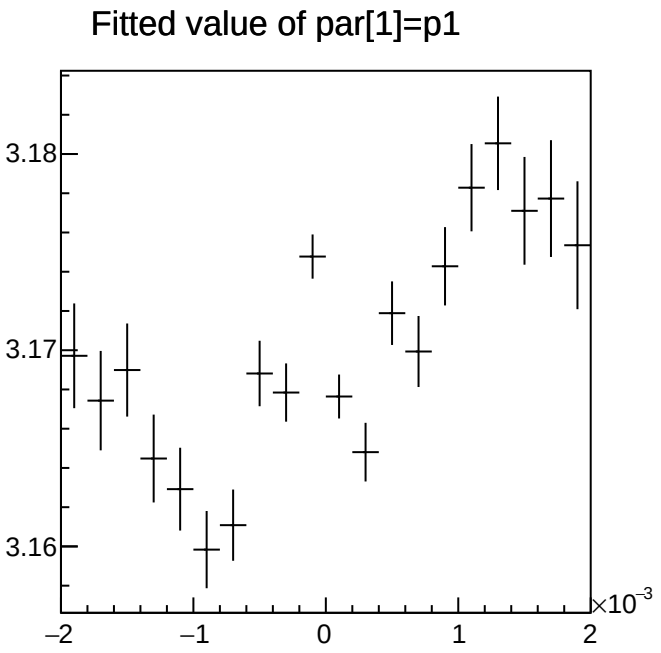

VP Flux [/GeV/sr] (acceptance)
800
600
400
200
0
1
2
3
4
5
6
×10⁻³

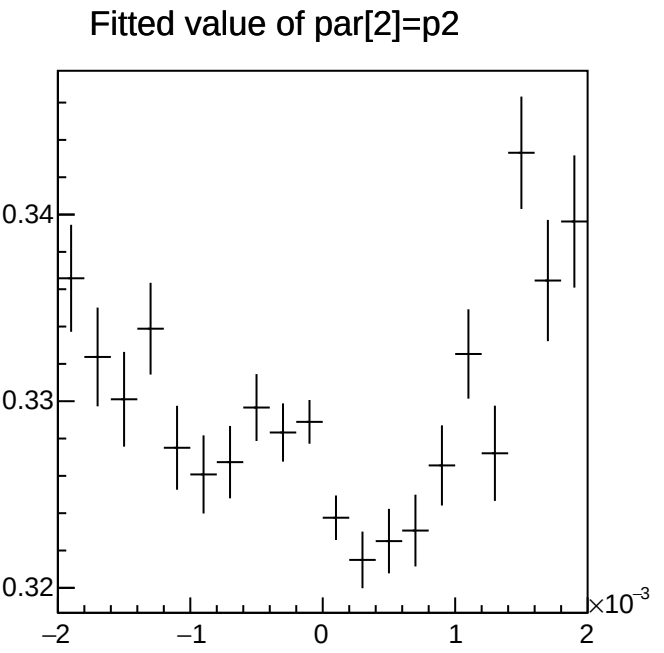

VP Flux [/GeV/sr] (w/ Z Cut)
800
600
400
200
0
1
2
3
4
5
6
×10⁻³


VP Flux [/GeV/sr] (w/ Z, AC Cut)
150
100
50
0
1
2
3
4
5
6
×10⁻³

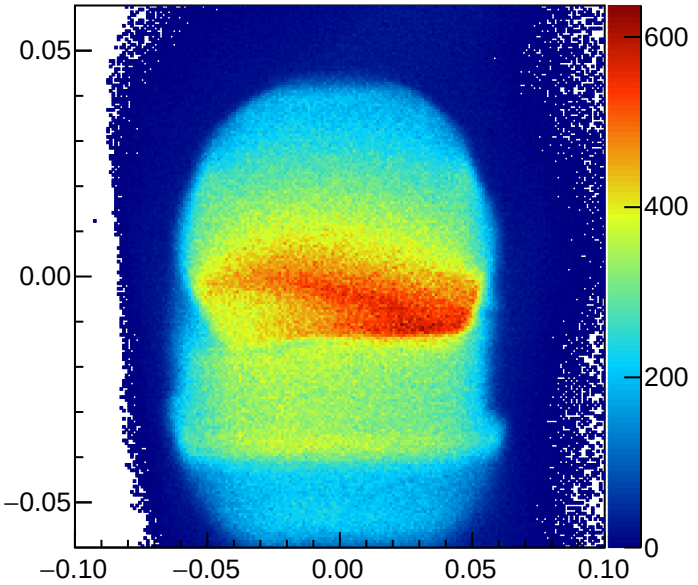

Cointime vs theta*phi
×10⁻³
2
1
0
−1
−2
−20
−10
0
10
20
800
600
400
200


Fitted value of par[0]=p0
6000
4000
2000
−2
−1
0
1
2
×10⁻³

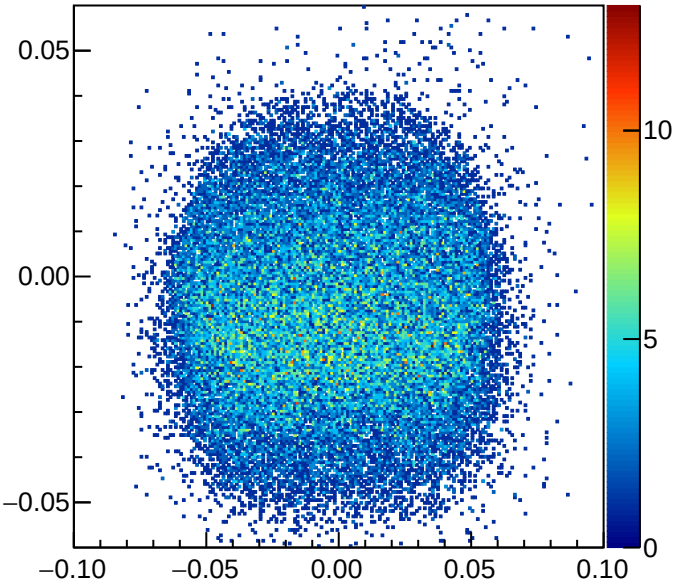

Fitted value of par[1]=p1
3.18
3.17
3.16
−2
−1
0
1
2
×10⁻³


Fitted value of par[2]=p2
0.34
0.33
0.32
−2
−1
0
1
2
×10⁻³

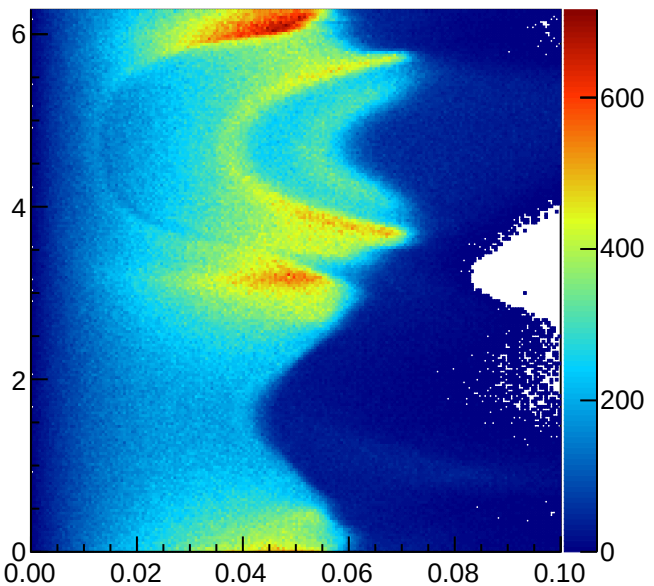
L_th : L_ph (No Cut)



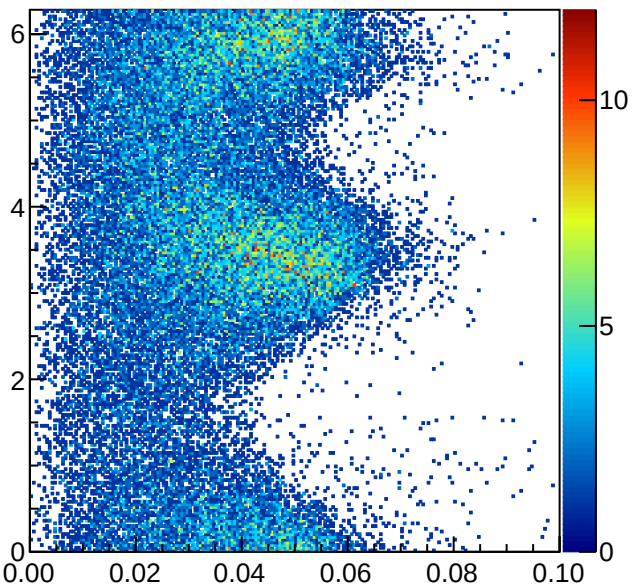
L_th : L_ph (w/ Z, AC Cut)



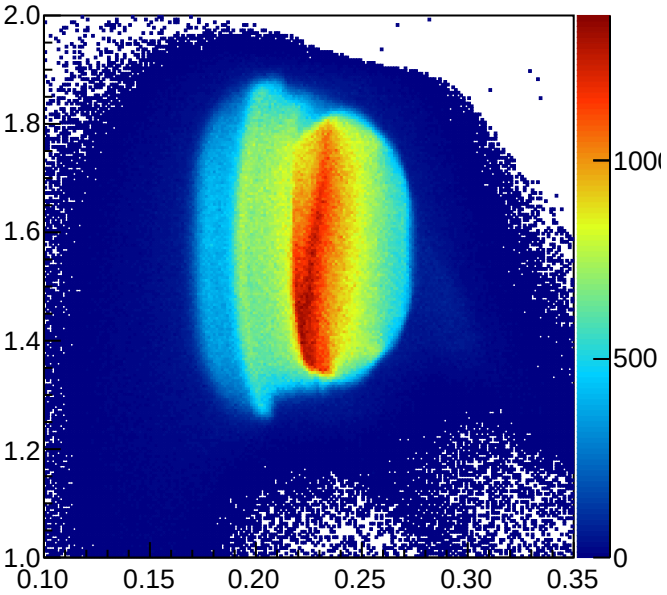
L_th : L_ph (LHRS frame), No Cut



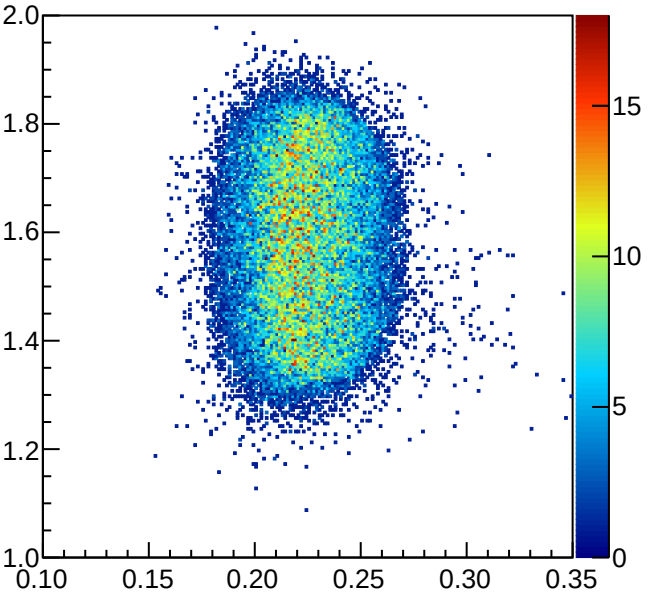
L_th : L_ph (LHRS frame), w/ Z, AC



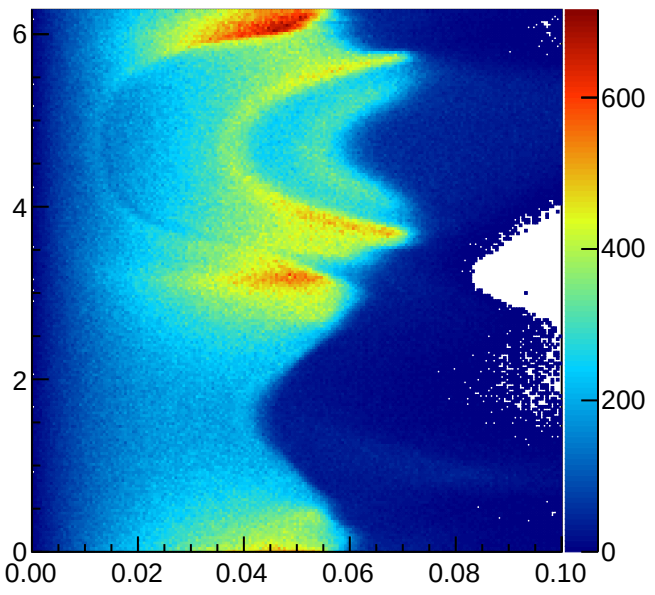
L_th : L_ph (original frame), No Cut



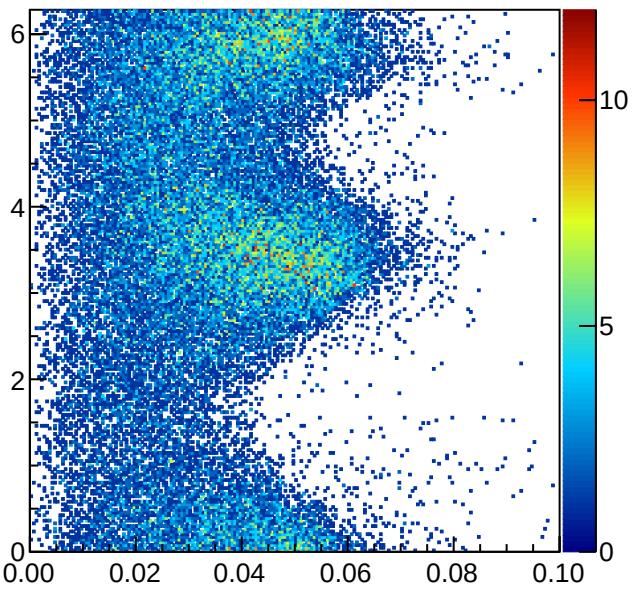
L_th : L_ph (original frame), w/ Z, AC Cut

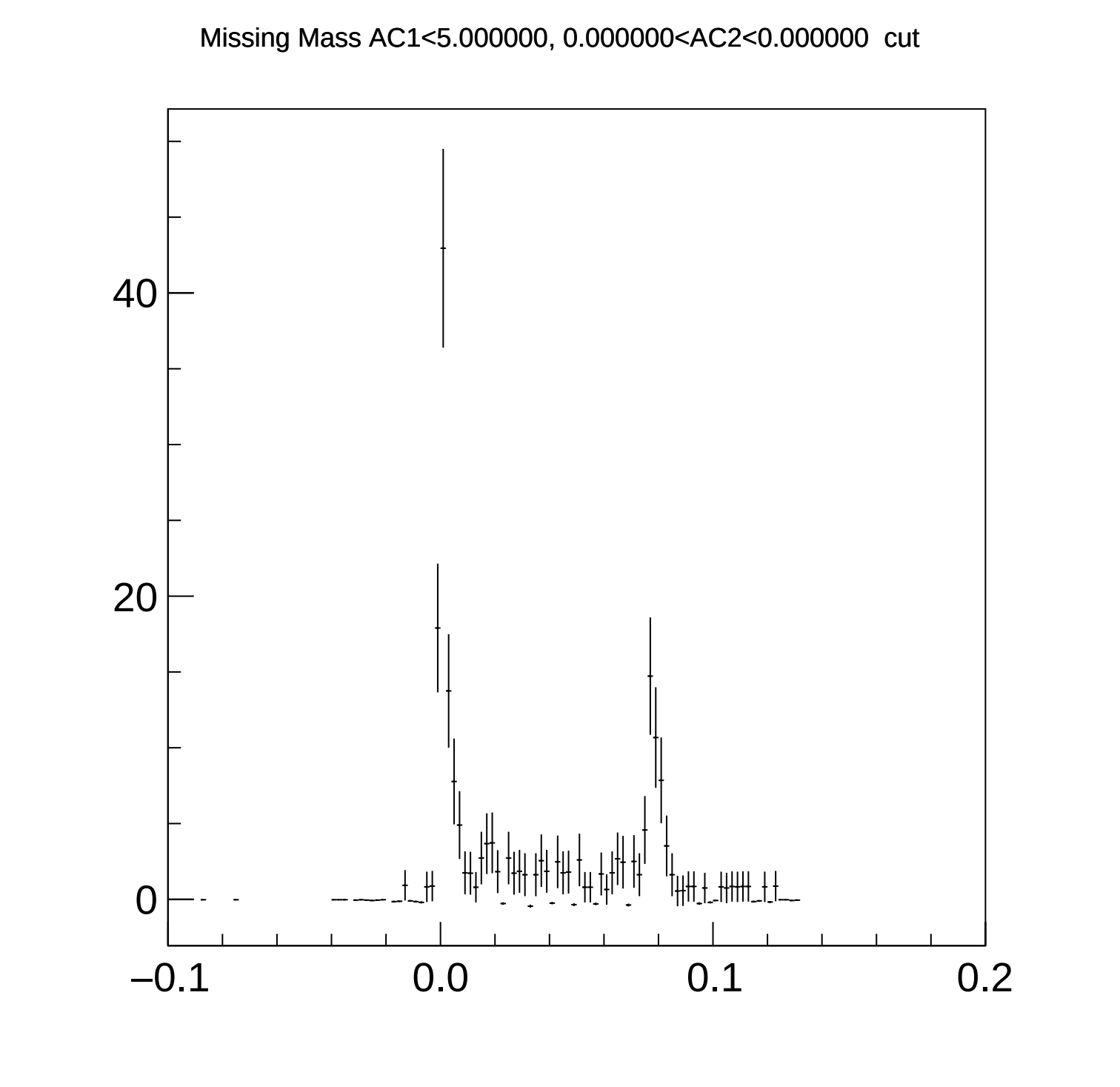


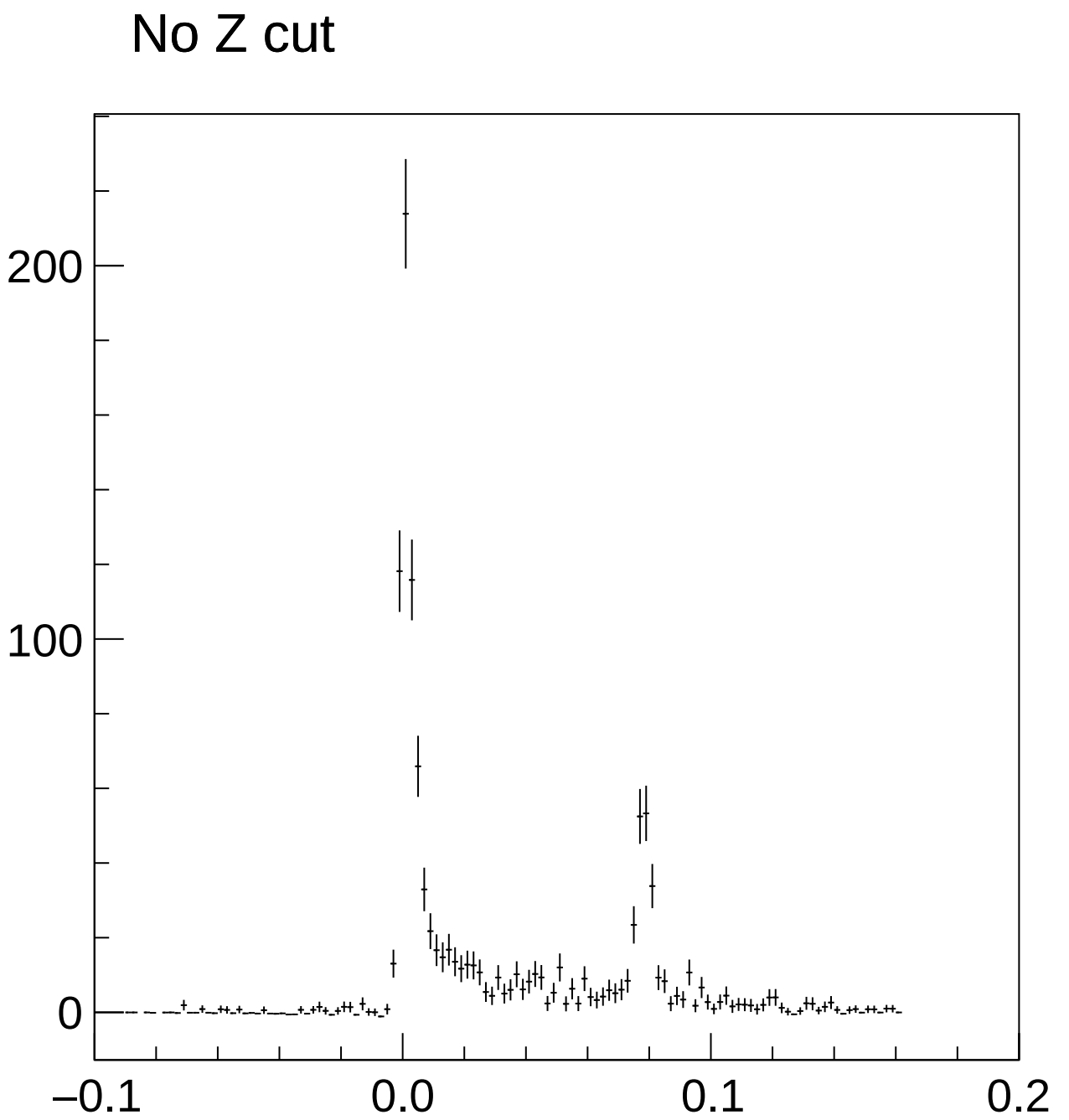
L_th : L_ph (LHRS frame), No Cut

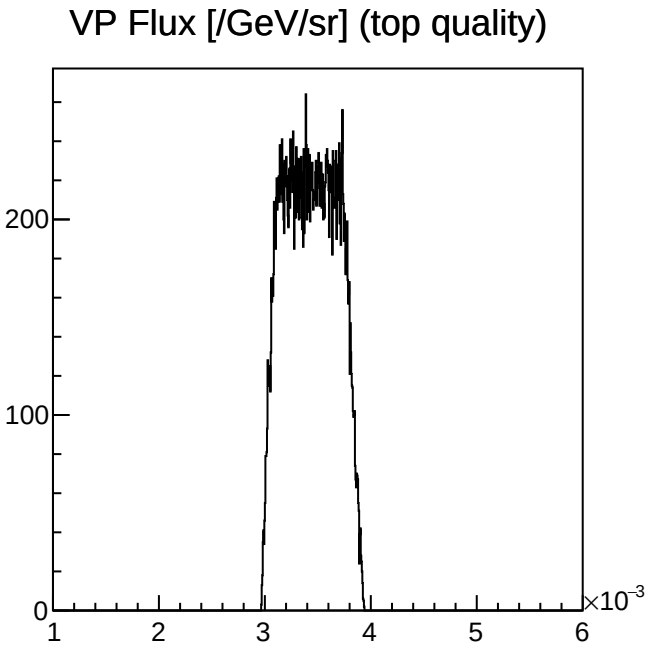


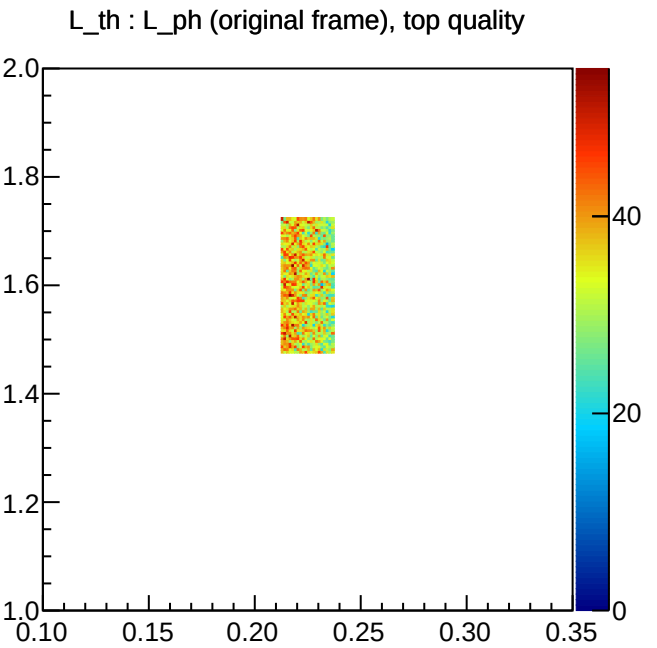
L_th : L_ph (LHRS frame), w/ Z, AC

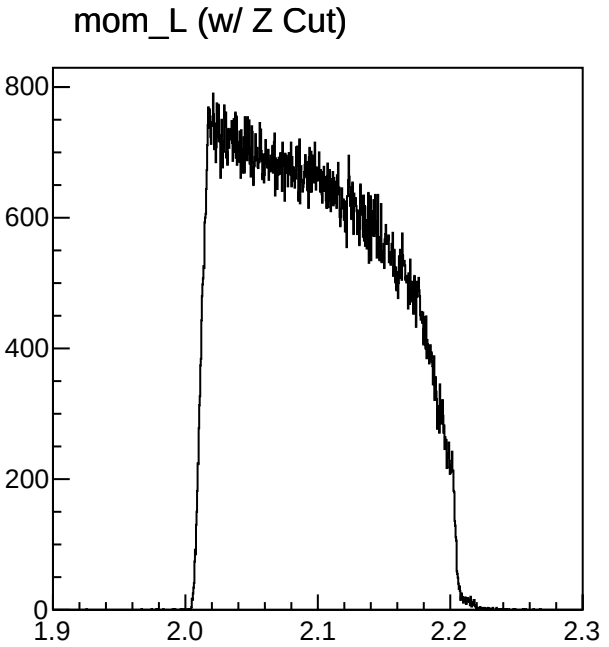


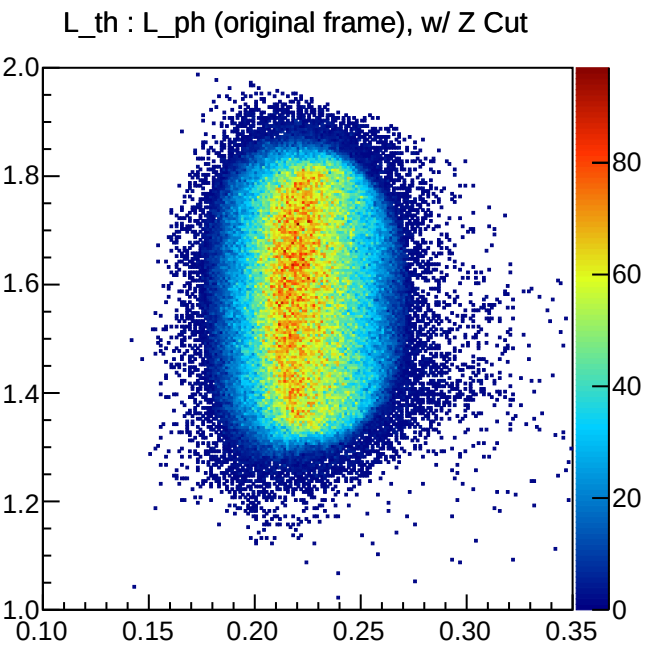

Missing Mass AC1<5.000000, 0.000000<AC2<0.000000 cut
40
20
0
–0.1
0.0
0.1
0.2

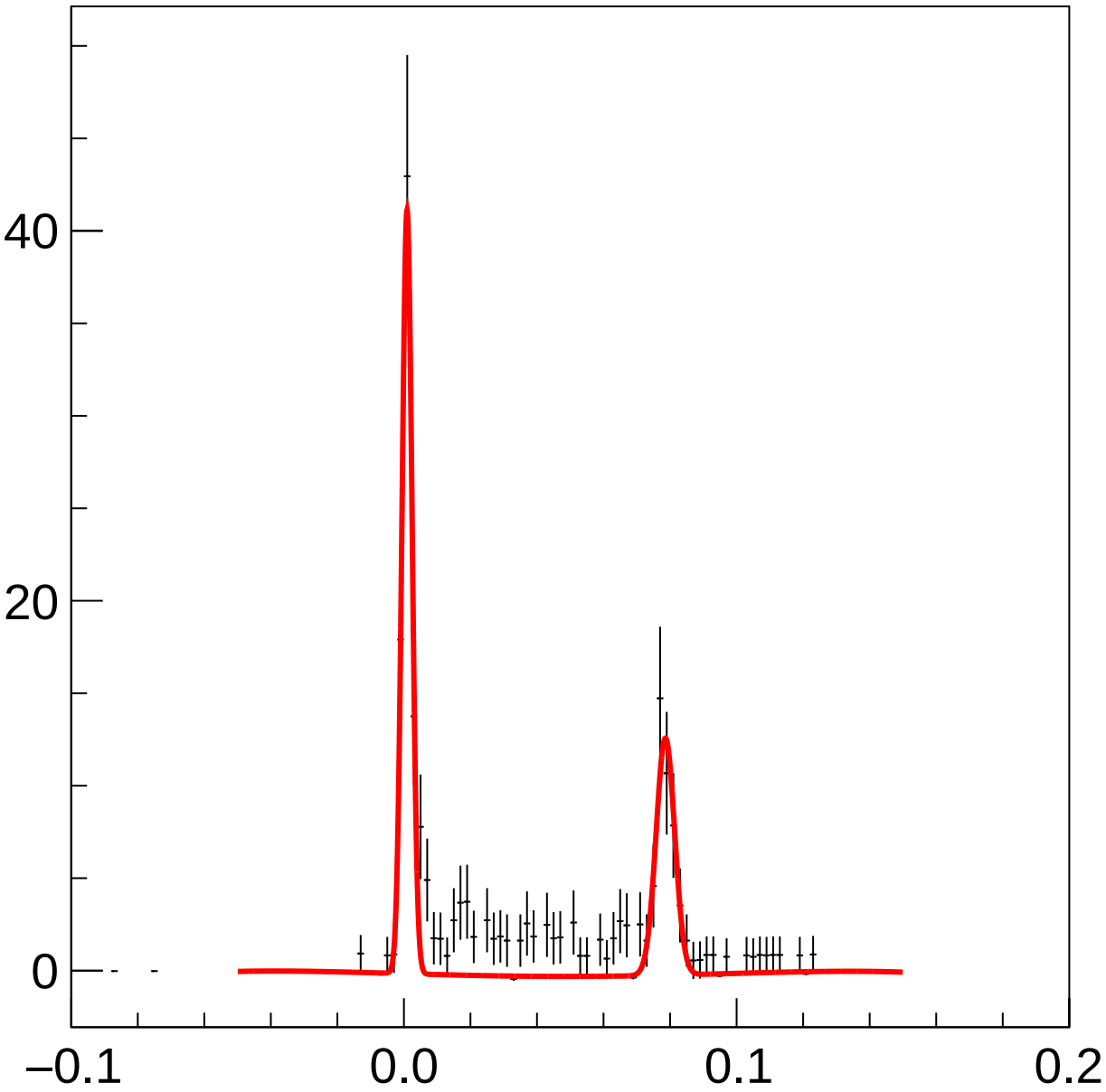

No Z cut
200
100
0
–0.1
0.0
0.1
0.2

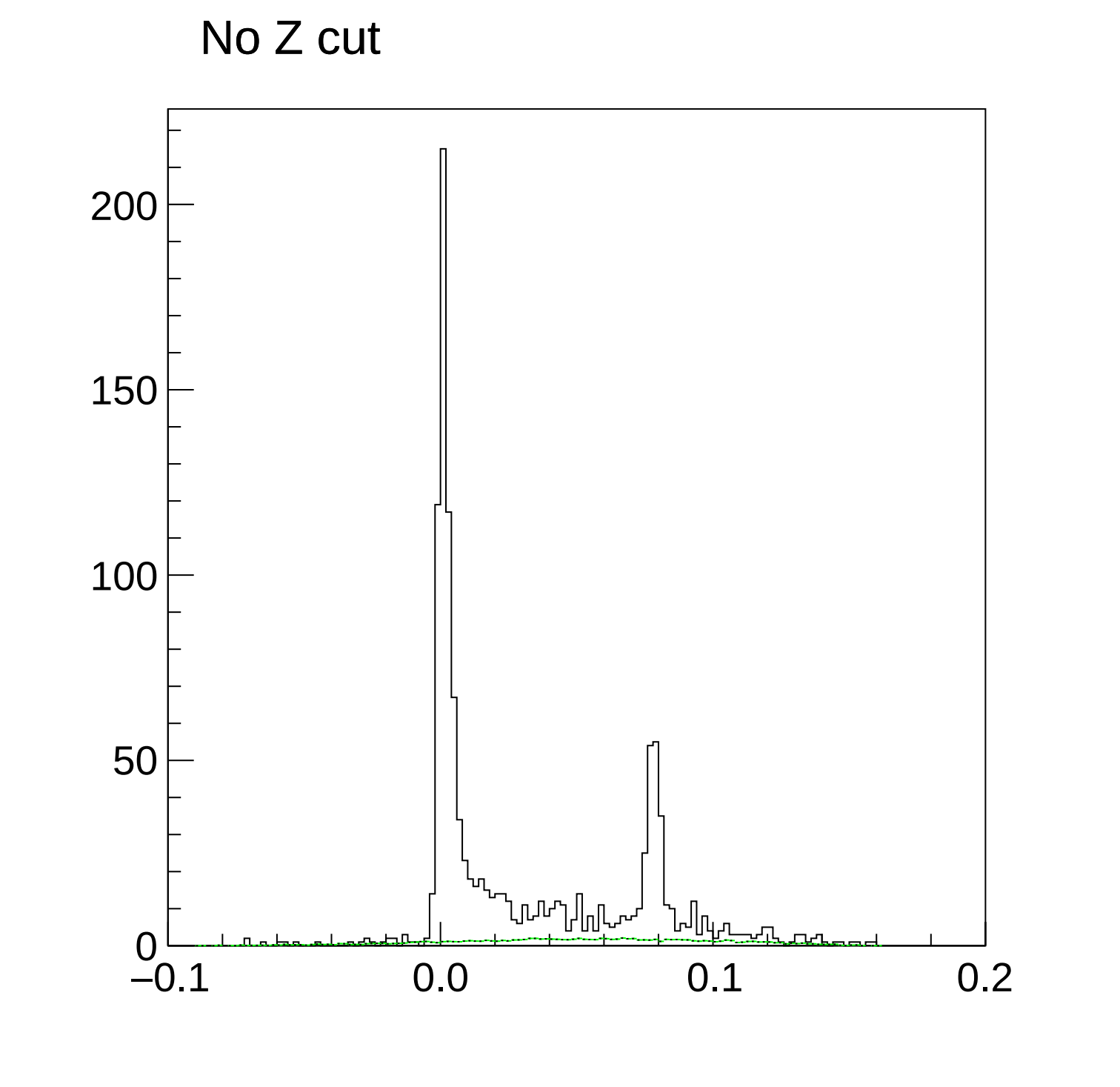

VP Flux [/GeV/sr] (top quality)
200
100
0
1
2
3
4
5
6
×10⁻³


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
40
20
0

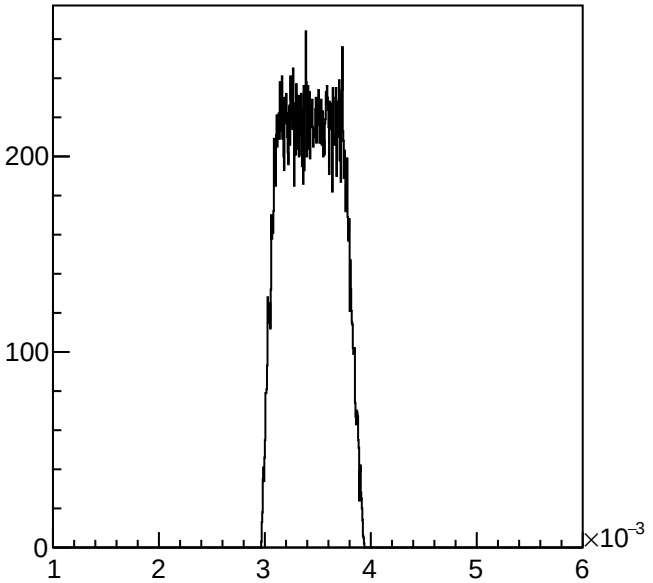

mom_L (w/ Z Cut)
800
600
400
200
0
1.9
2.0
2.1
2.2
2.3


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
80
60
40
20
0

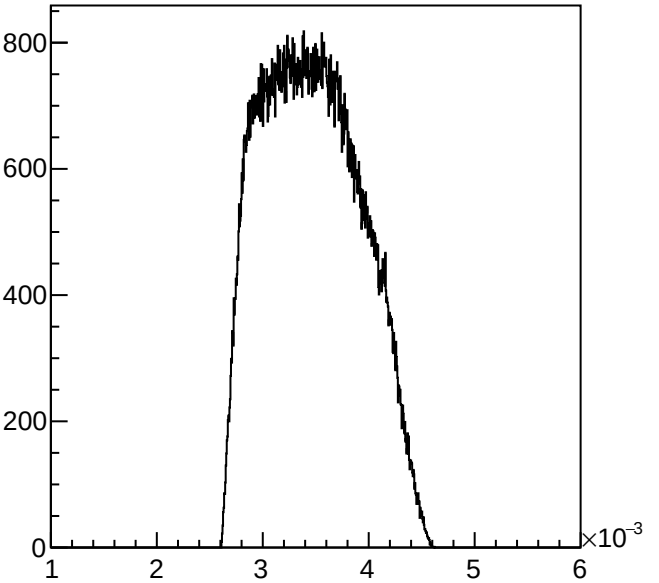

Missing Mass AC1<5.000000, 0.000000<AC2<0.000000 cut
40
20
0
–0.1
0.0
0.1
0.2


No Z cut
200
150
100
50
0
–0.1
0.0
0.1
0.2

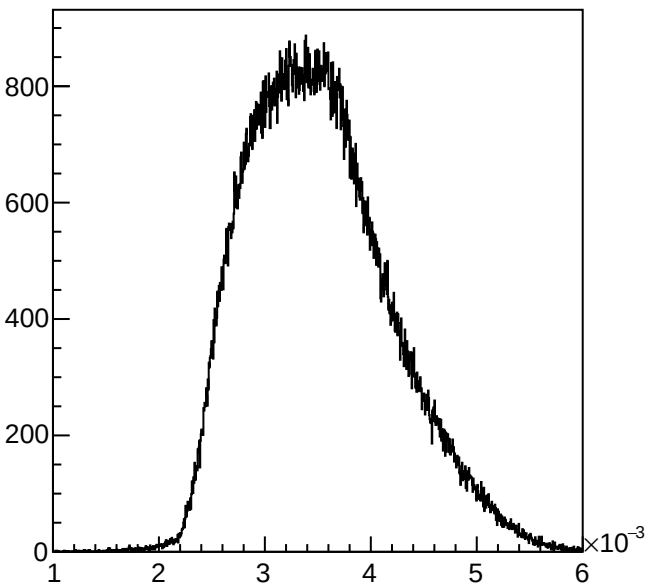
VP Flux [/GeV/sr] (top quality)



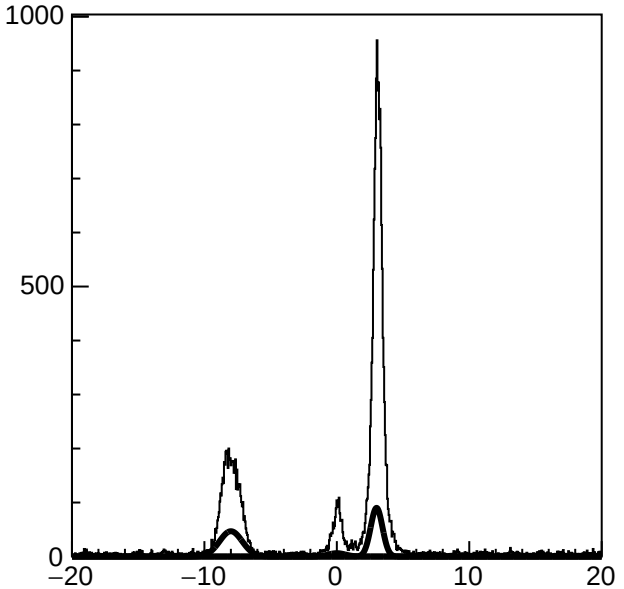
VP Flux [/GeV/sr] (acceptance)



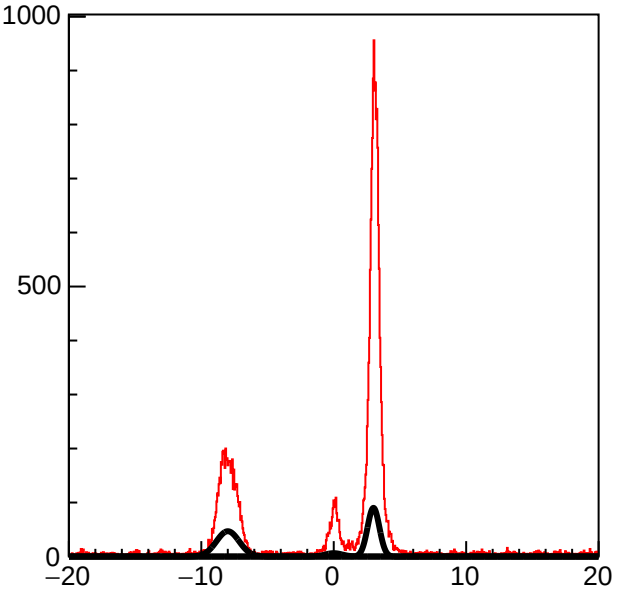
VP Flux [/GeV/sr] (w/ Z Cut)



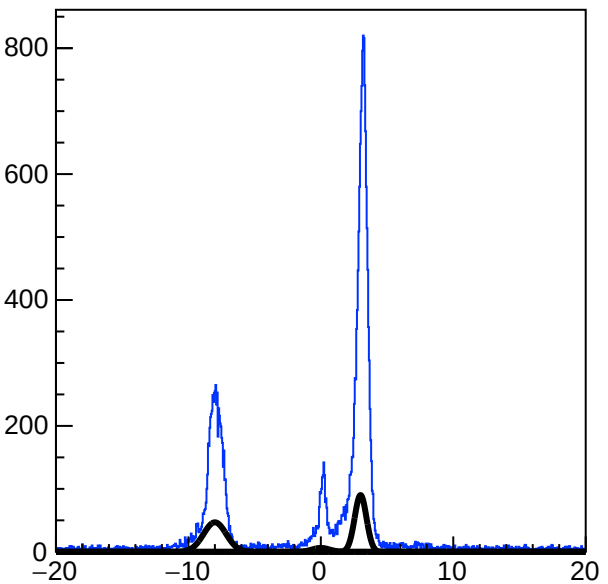
Cointime_before

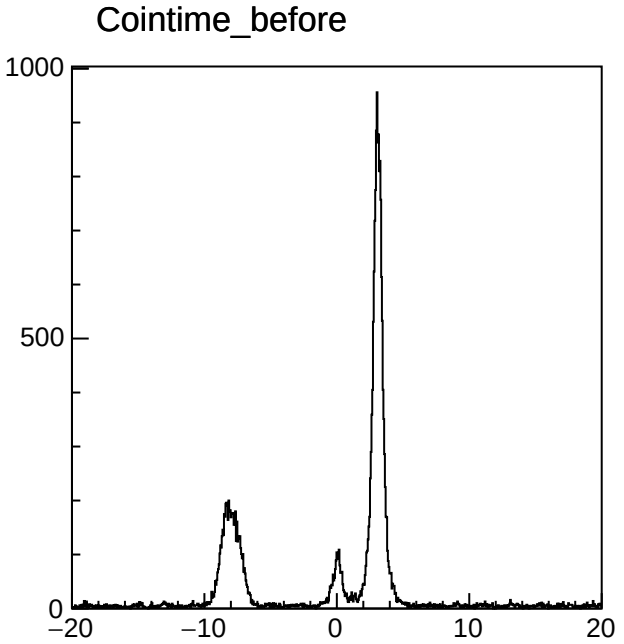


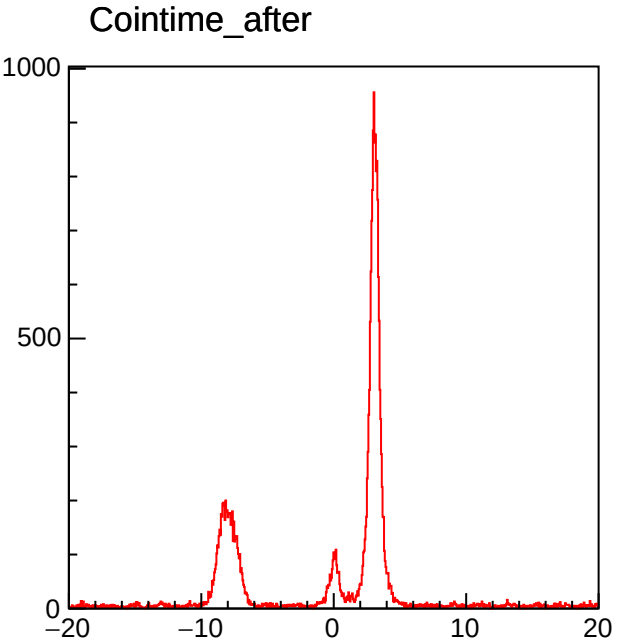
Cointime_after

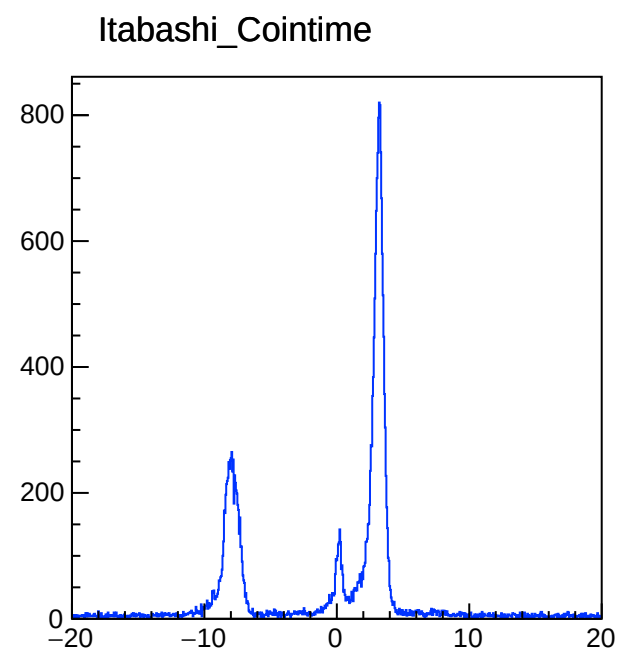


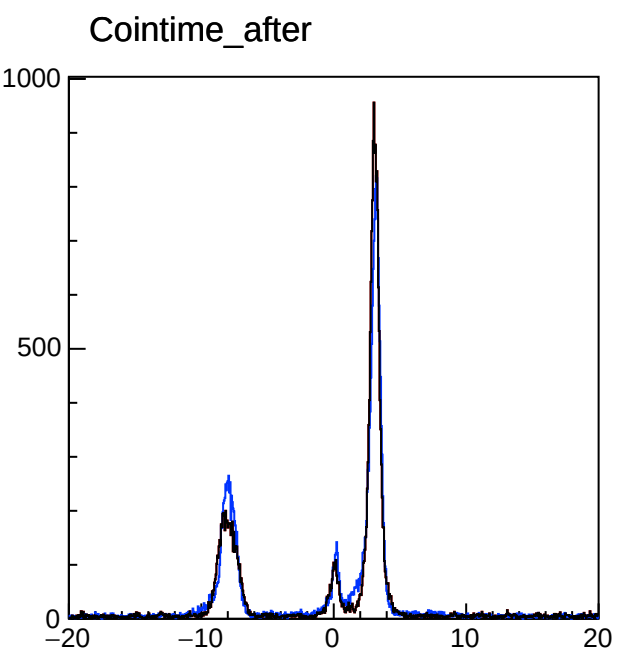
Itabashi_Cointime




Cointime_before
1000
500
0
−20
−10
0
10
20


Cointime_after
1000
500
0
−20
−10
0
10
20


Itabashi_Cointime
800
600
400
200
0
−20
−10
0
10
20


Cointime_after
1000
500
0
−20
−10
0
10
20