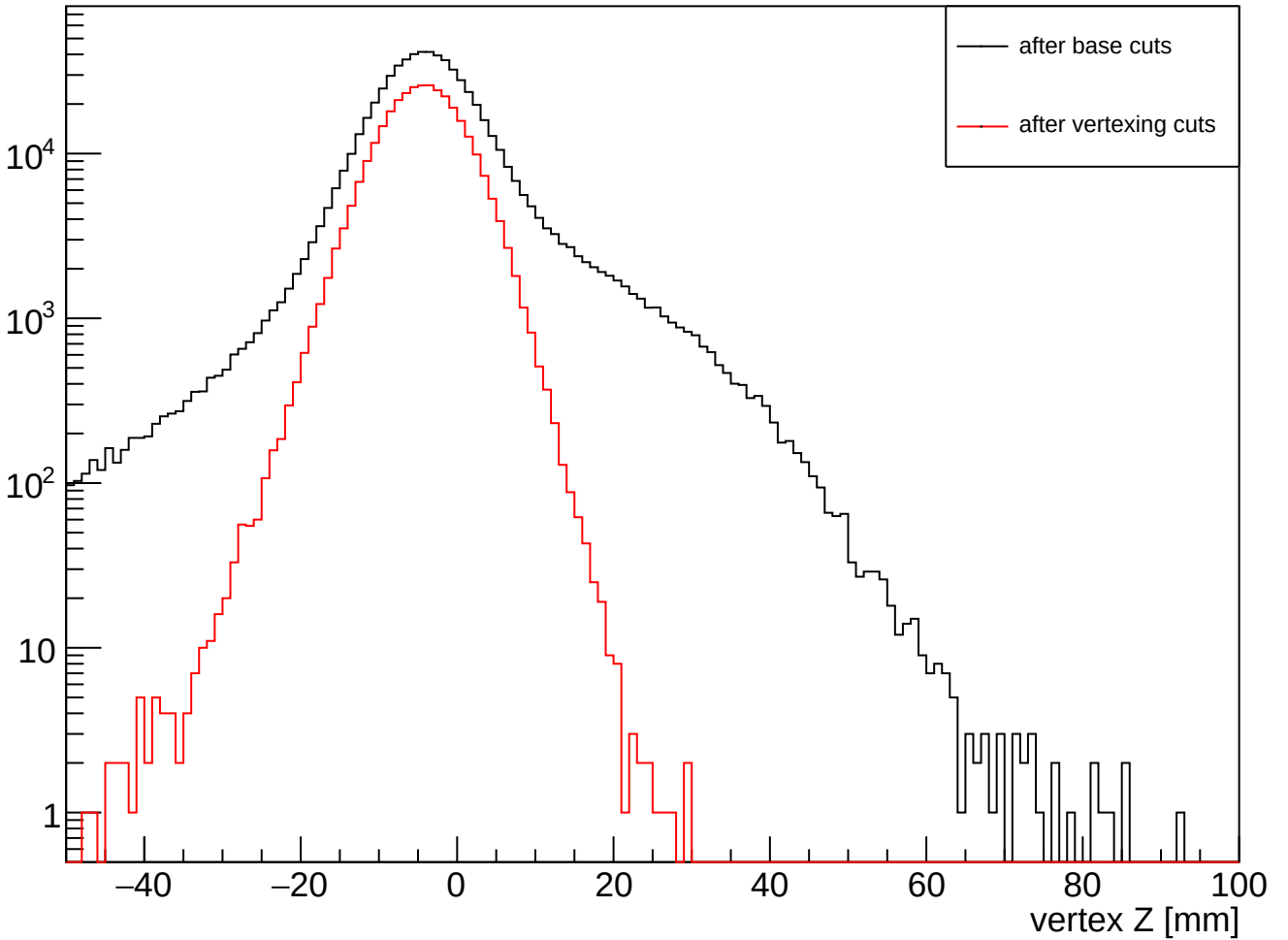
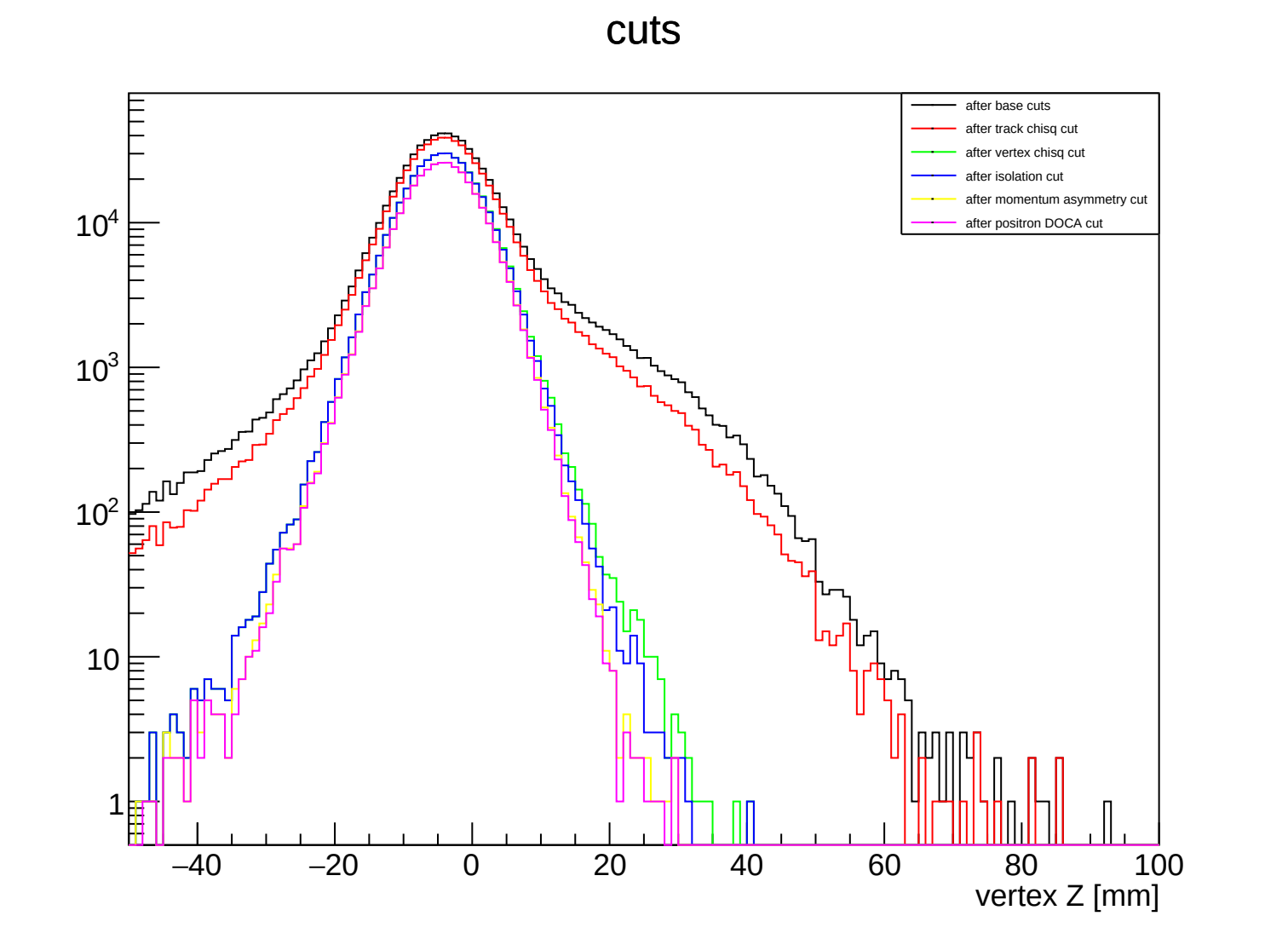
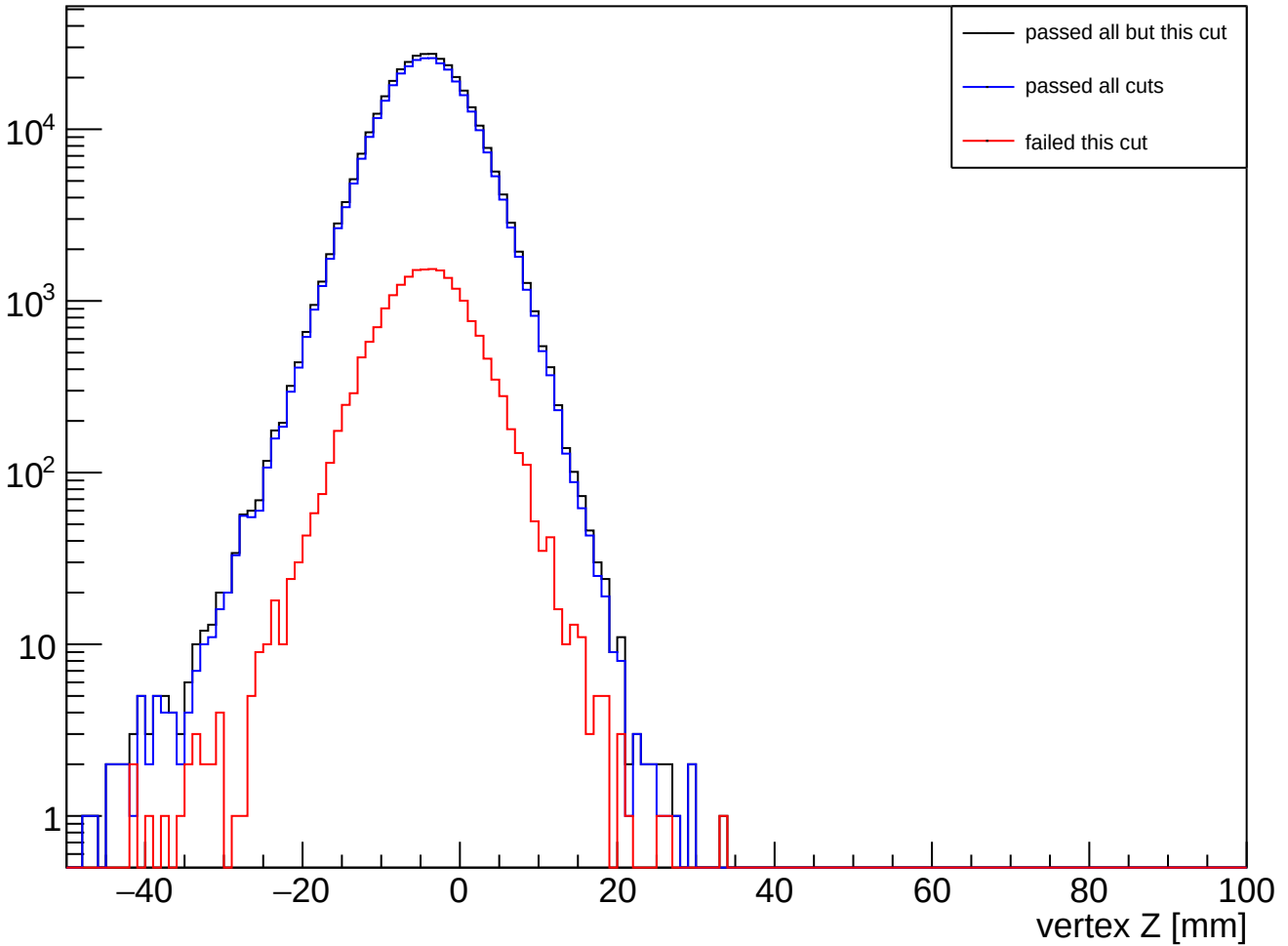
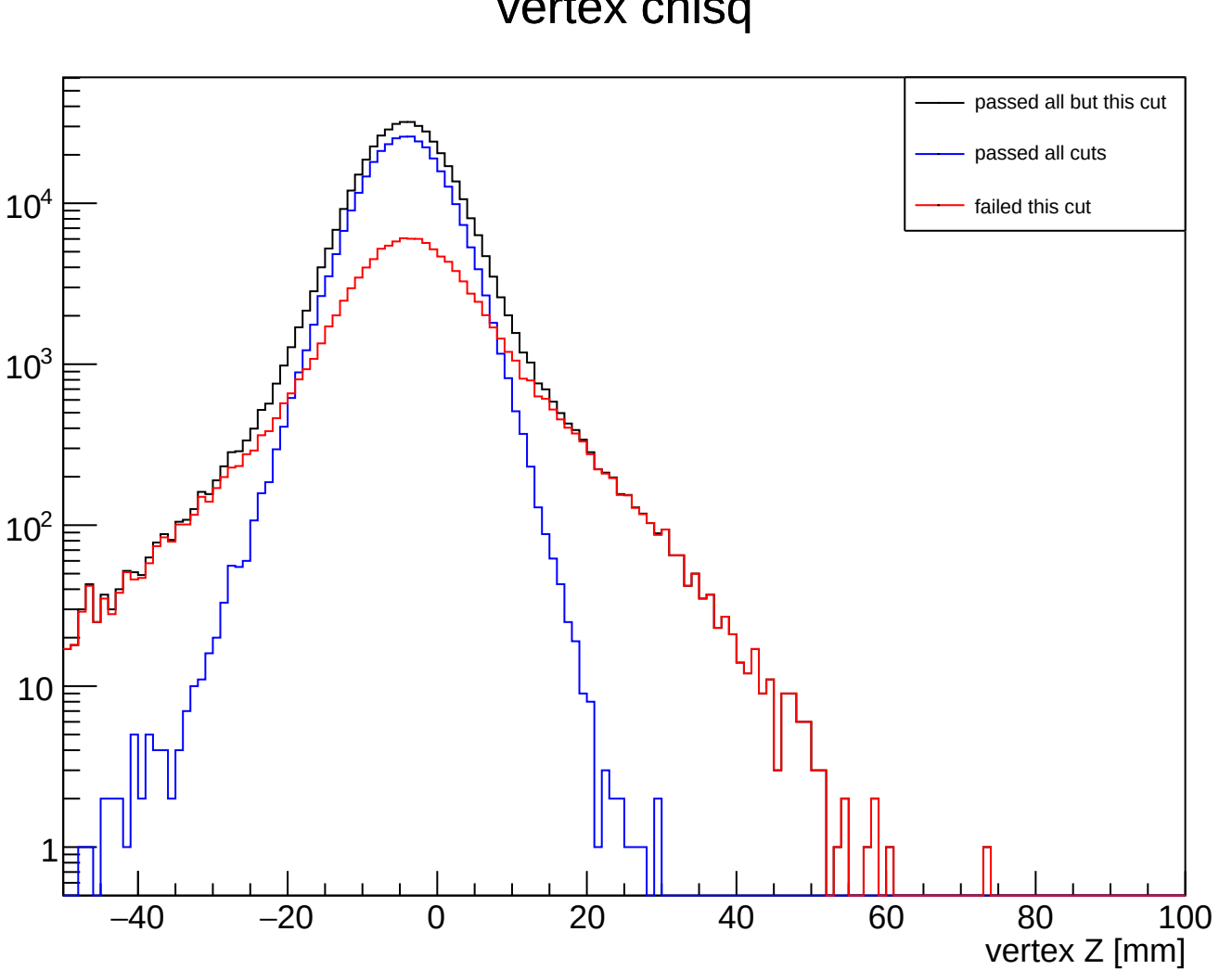
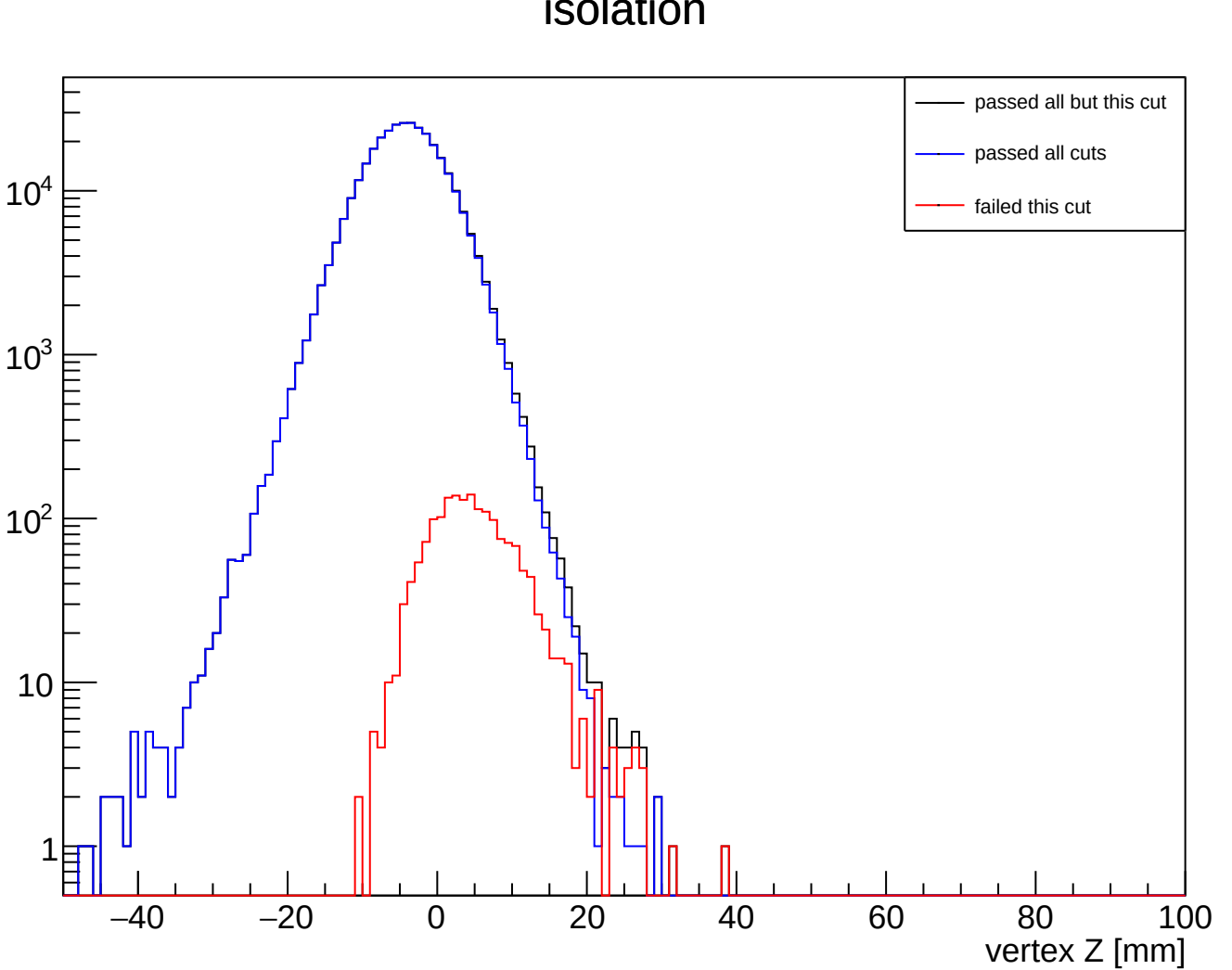
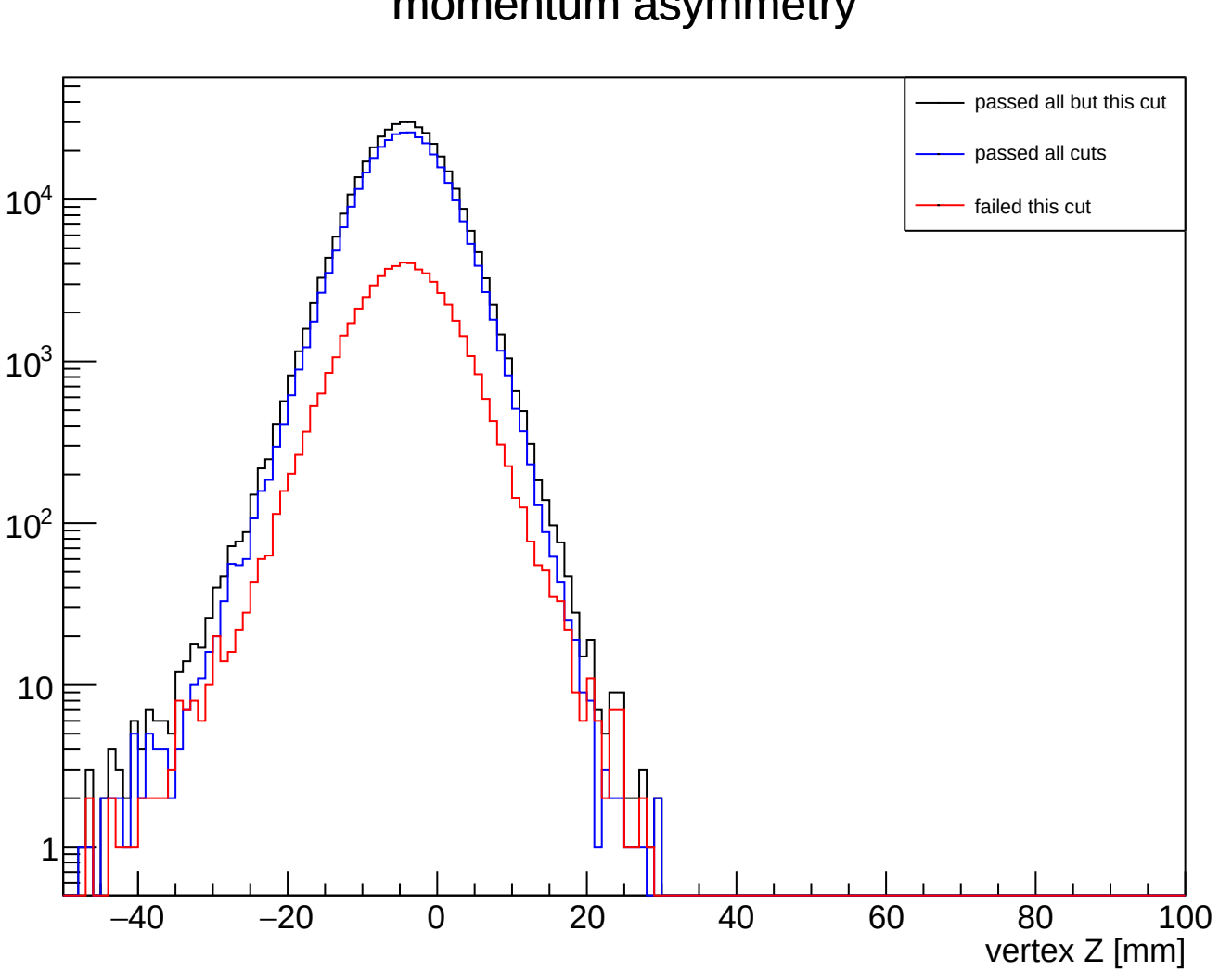

|m(e+e-)-0.03|<0.0026
after base cuts
after vertexing cuts
10^4
10^3
10^2
10
1
−40
−20
0
20
40
60
80
100
vertex Z [mm]

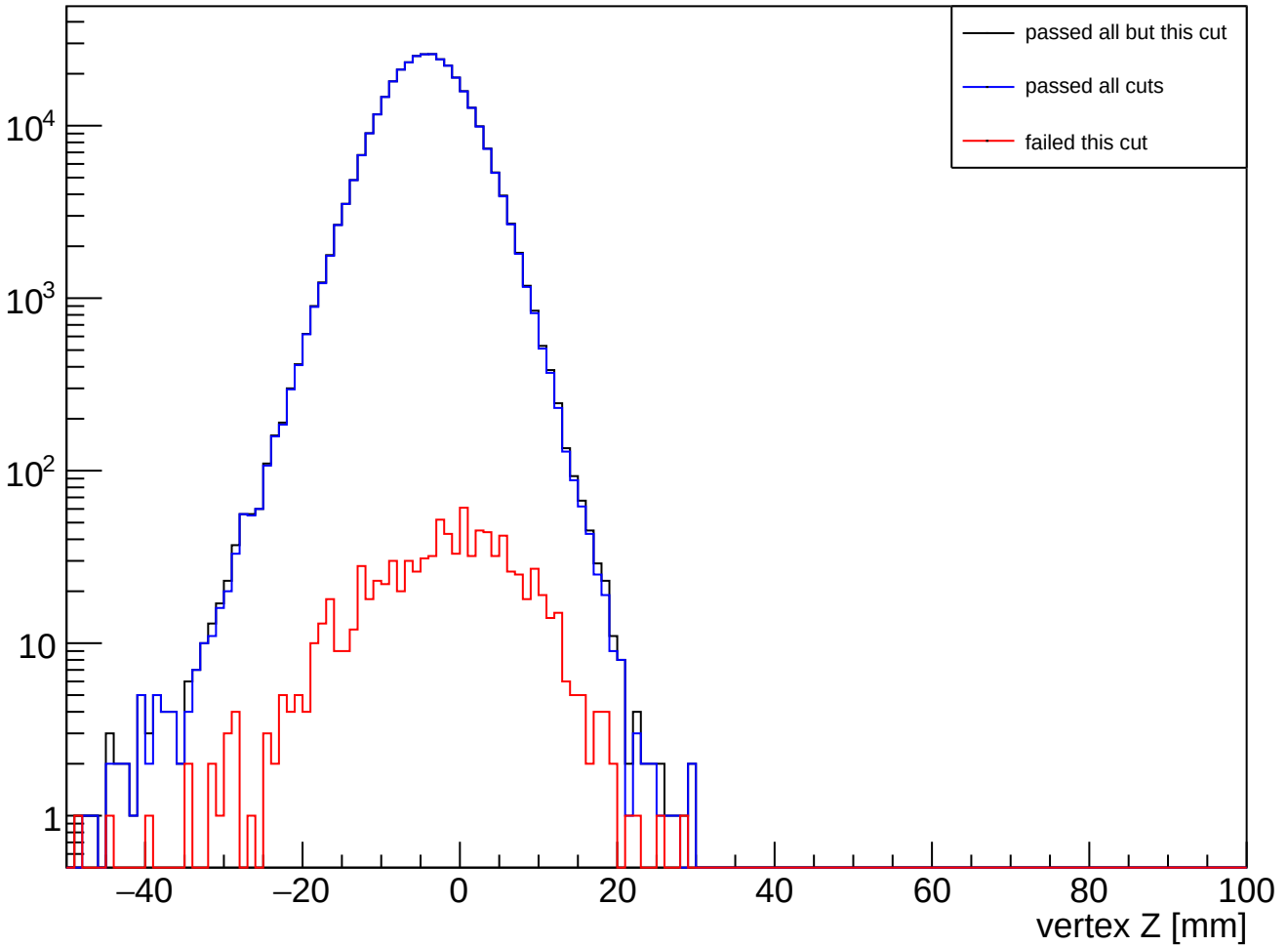

cuts
after base cuts
after track chisq cut
after vertex chisq cut
after isolation cut
after momentum asymmetry cut
after positron DOCA cut
10^4
10^3
10^2
10
1
−40
−20
0
20
40
60
80
100
vertex Z [mm]


track chisq
passed all but this cut
passed all cuts
failed this cut
10^4
10^3
10^2
10
1
−40
−20
0
20
40
60
80
100
vertex Z [mm]


vertex chisq
passed all but this cut
passed all cuts
failed this cut
10^4
10^3
10^2
10
1
−40
−20
0
20
40
60
80
100
vertex Z [mm]


isolation
passed all but this cut
passed all cuts
failed this cut
10^4
10^3
10^2
10
1
−40
−20
0
20
40
60
80
100
vertex Z [mm]


momentum asymmetry
passed all but this cut
passed all cuts
failed this cut
10^4
10^3
10^2
10
1
−40
−20
0
20
40
60
80
100
vertex Z [mm]


positron DOCA
passed all but this cut
passed all cuts
failed this cut
10^4
10^3
10^2
10
1
−40
−20
0
20
40
60
80
100
vertex Z [mm]