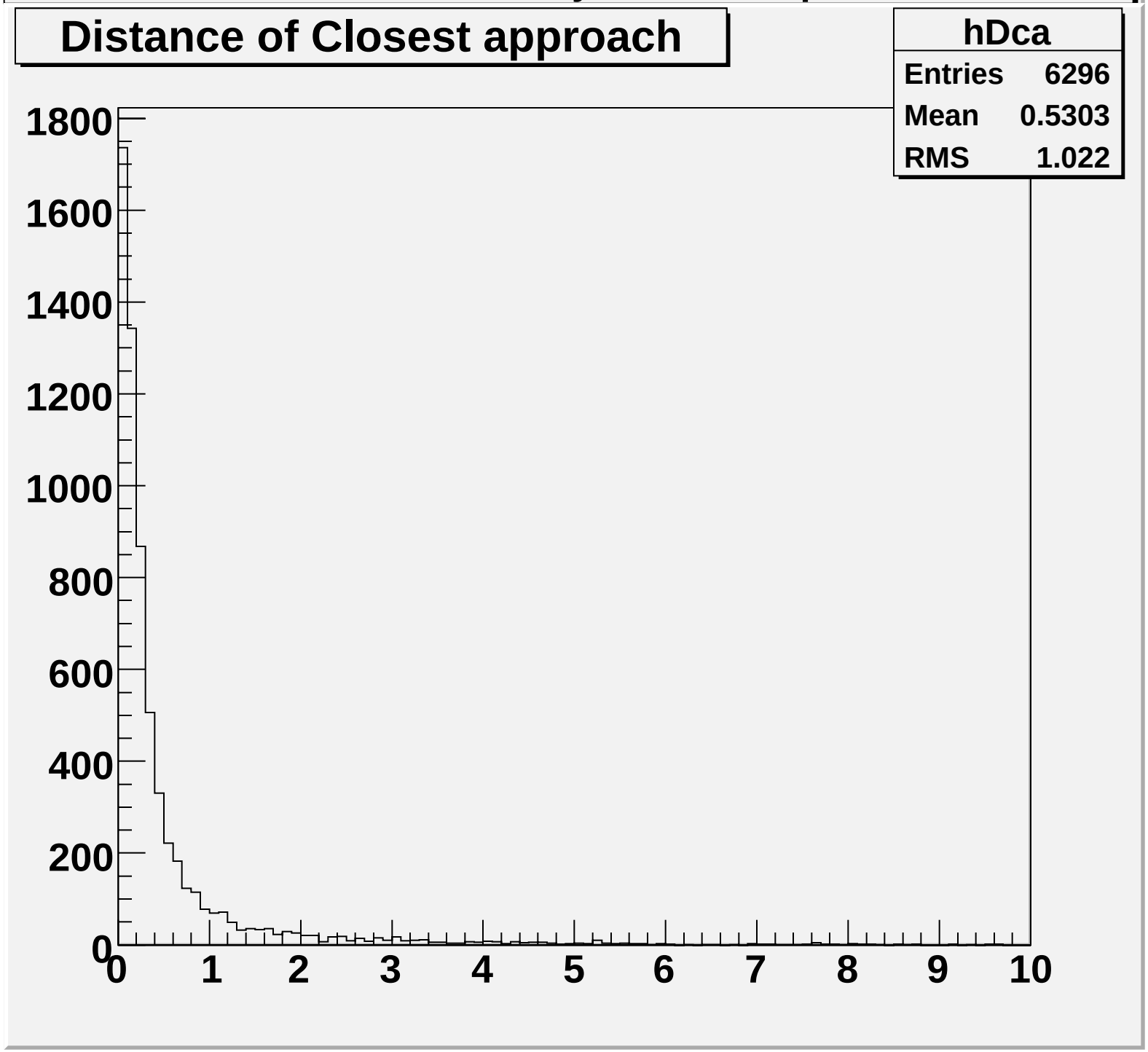
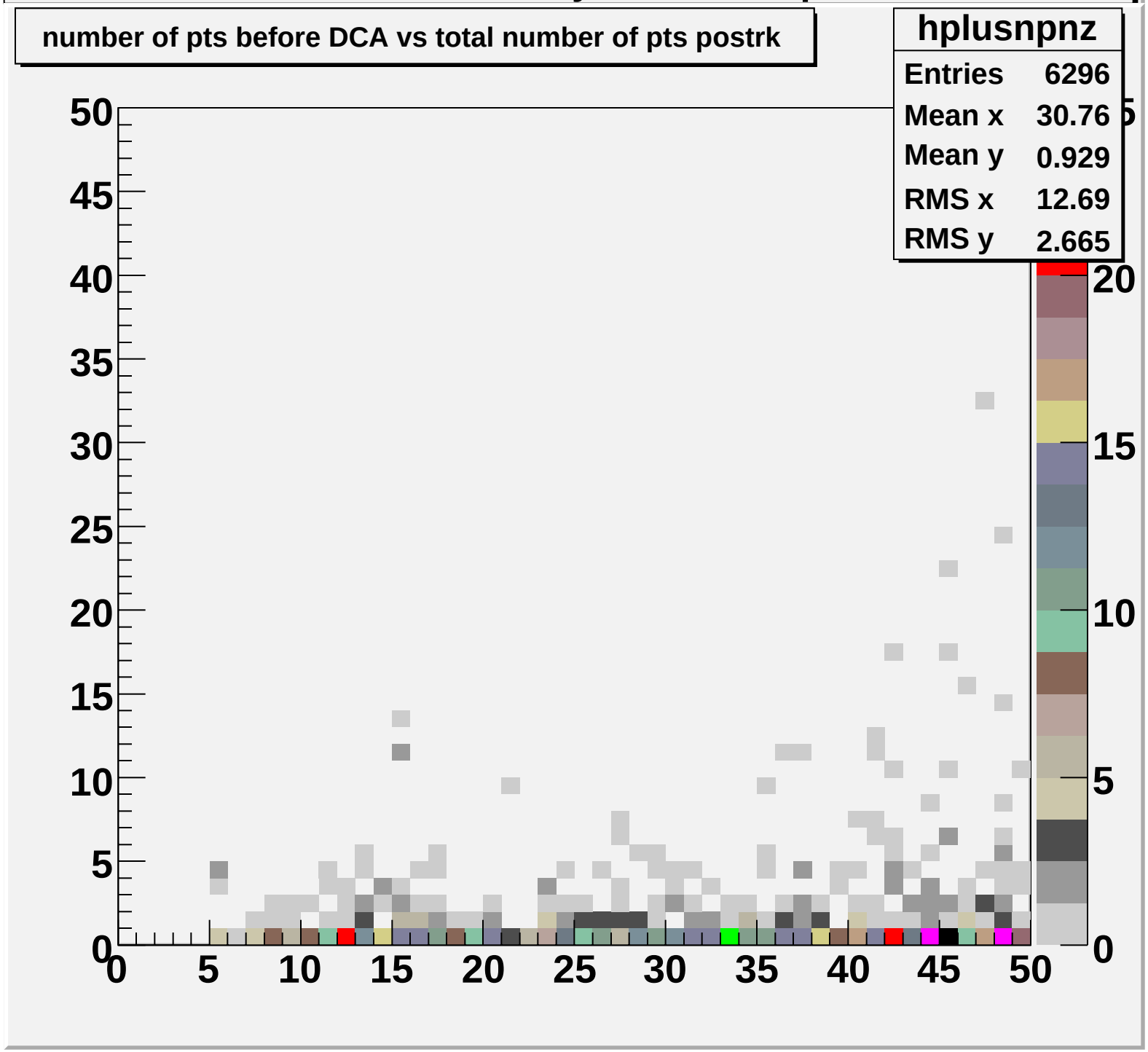
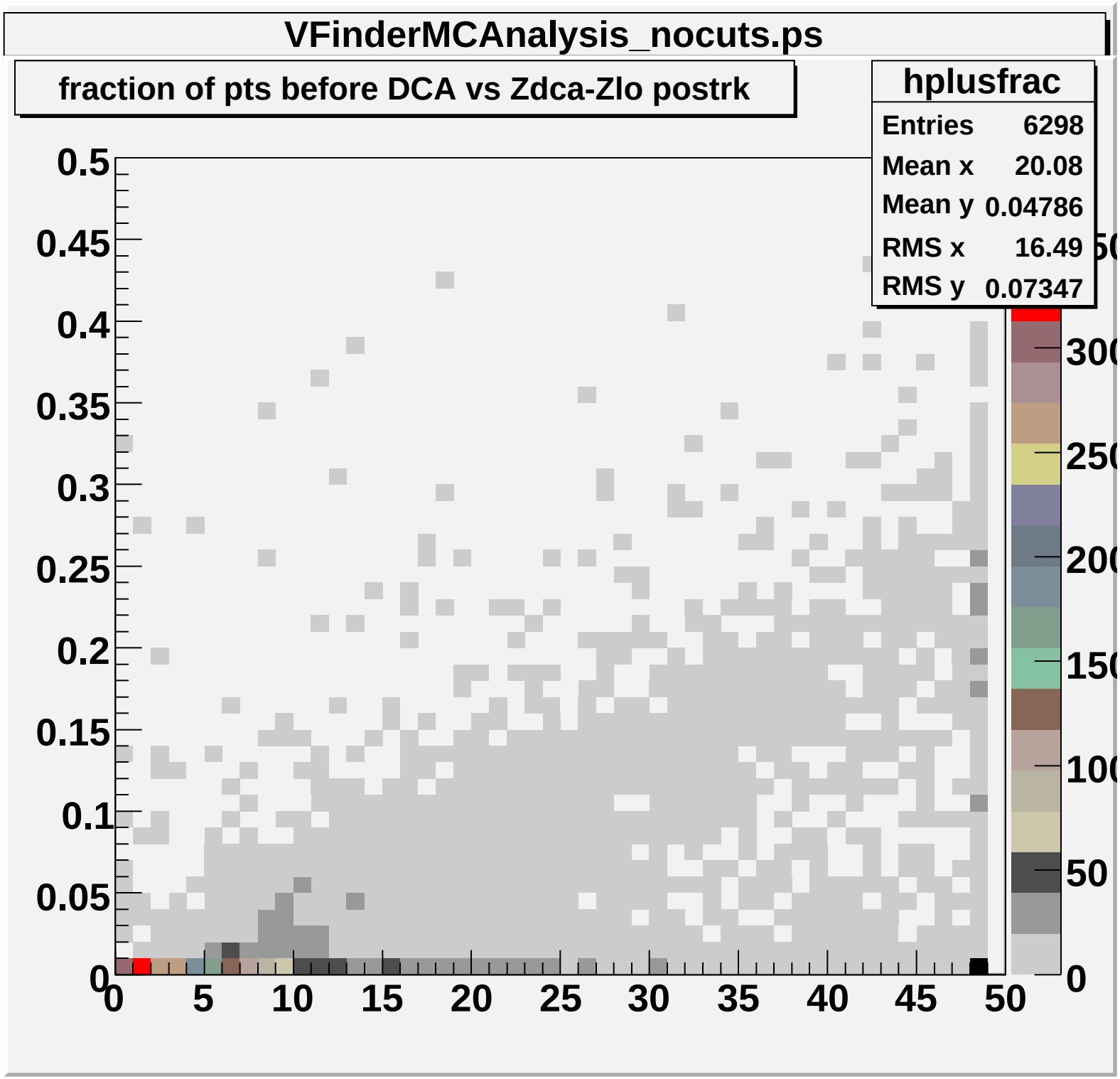
VFinderMCAnalysis_nocuts.ps



VFinderMCAnalysis_nocuts.ps




VFinderMCAnalysis_nocuts.ps
fraction of pts before DCA vs Zdca-Zlo postrk
hplusfrac
Entries 6298
Mean x 20.08
Mean y 0.04786
RMS x 16.49
RMS y 0.07347
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
25
30
35
40
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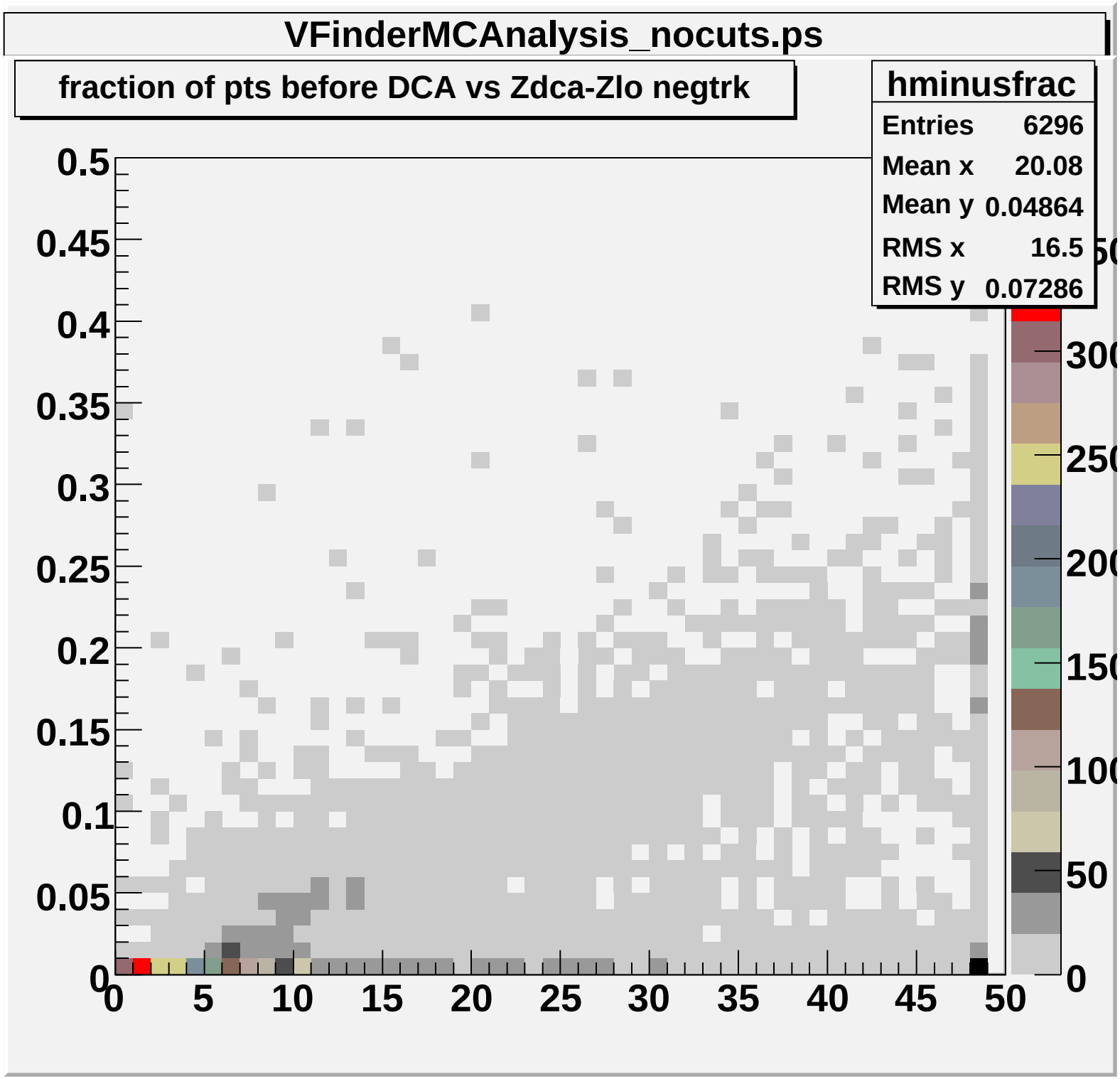
250
200
150
100
50
0


VFinderMCAnalysis_nocuts.ps
fraction of pts before DCA vs Zdca-Zlo negtrk
hminusfrac
Entries 6296
Mean x 20.08
Mean y 0.04864
RMS x 16.5
RMS y 0.07286
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
25
30
35
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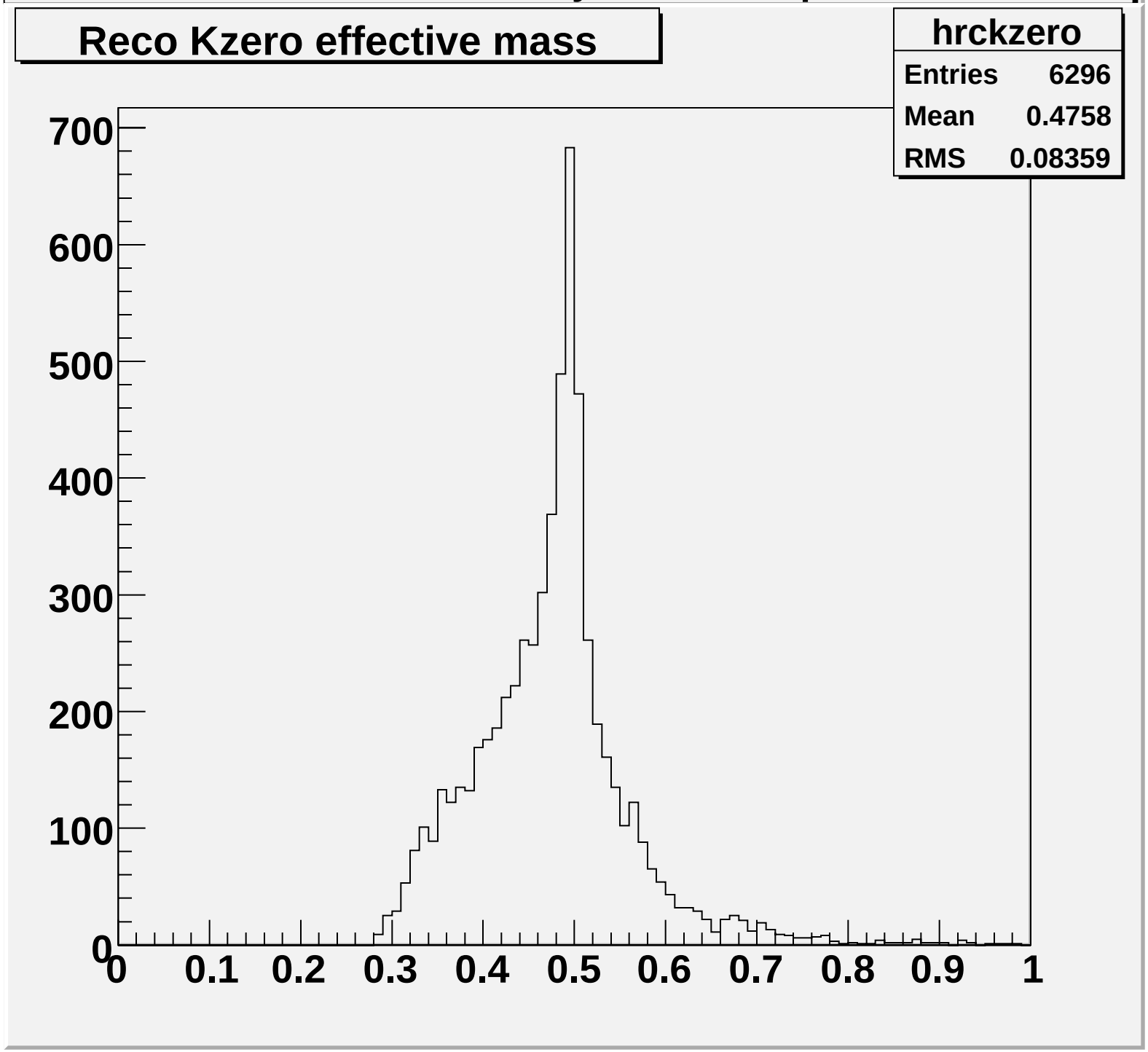
50
0

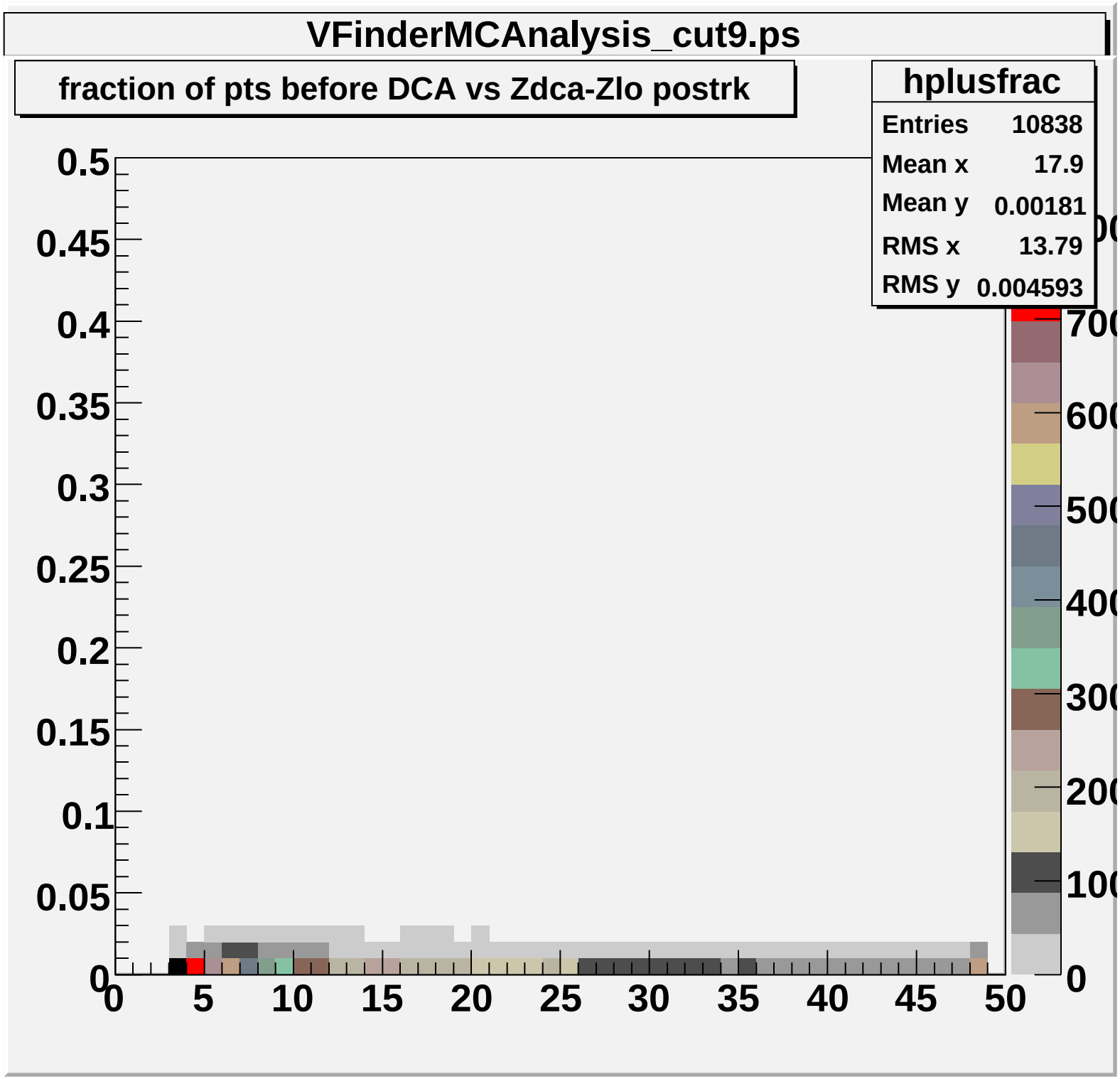
VFinderMCAnalysis_nocuts.ps

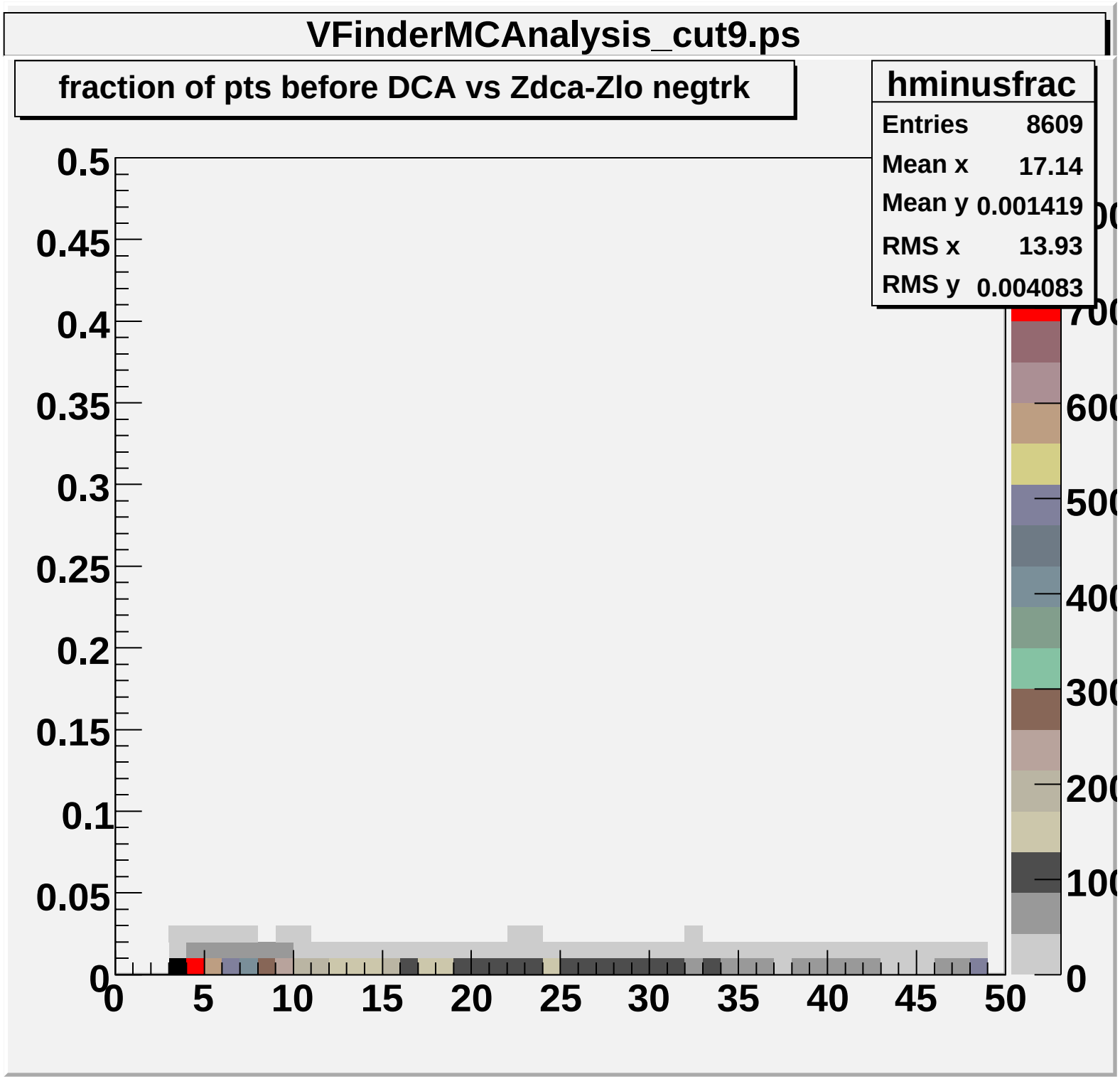


MC Reco follows LH2 84GeV

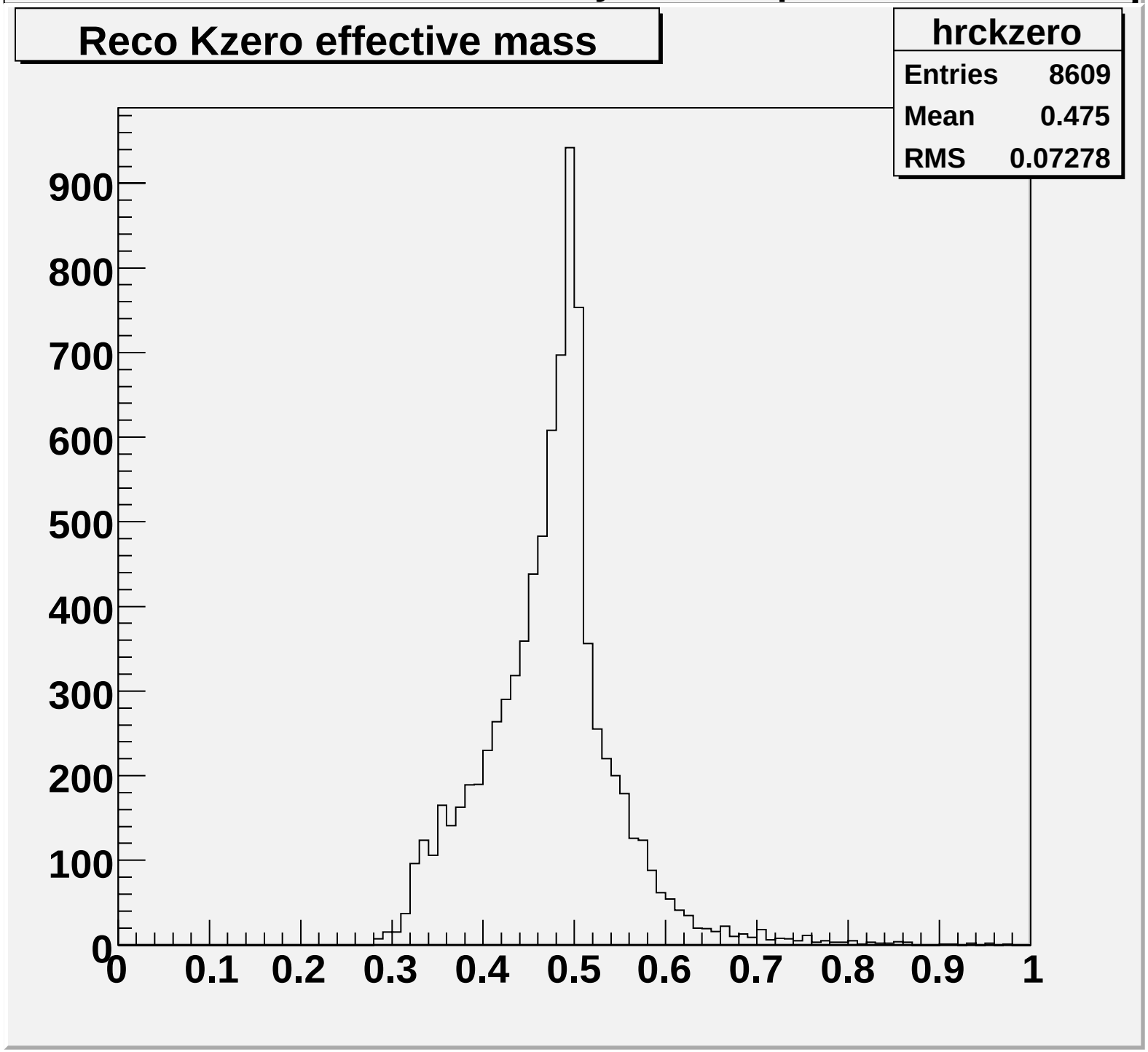
Cut set 9

frcut=0.02; //cut on fraction of hits before dca
zcalocut=3.0; //cut on zcalo = zdca-zlo
dcacut=1.0; //accept only pairs with dca less than dcacut
iveecut=0; //no iveecut
veemomcut=2.0; //accept vees above this cut
momcut= 1.0; //accept vee if +/- track grater than this

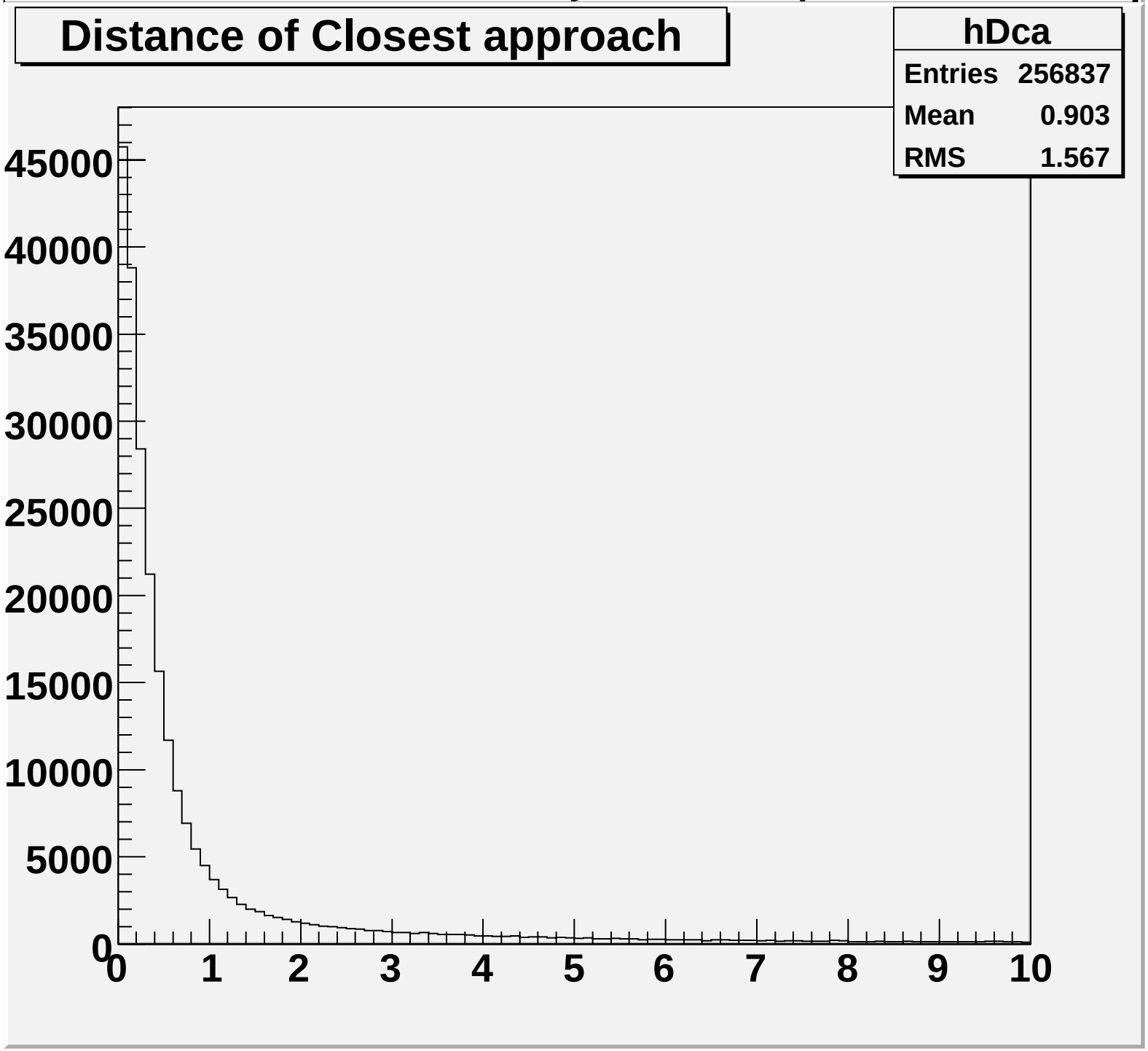

VFinderMCAnalysis_cut9.ps
fraction of pts before DCA vs Zdca-Zlo postrk
hplusfrac
Entries 10838
Mean x 17.9
Mean y 0.00181
RMS x 13.79
RMS y 0.004593
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
25
30
35
40
45
50
700
600
500
400
300
200
100
0

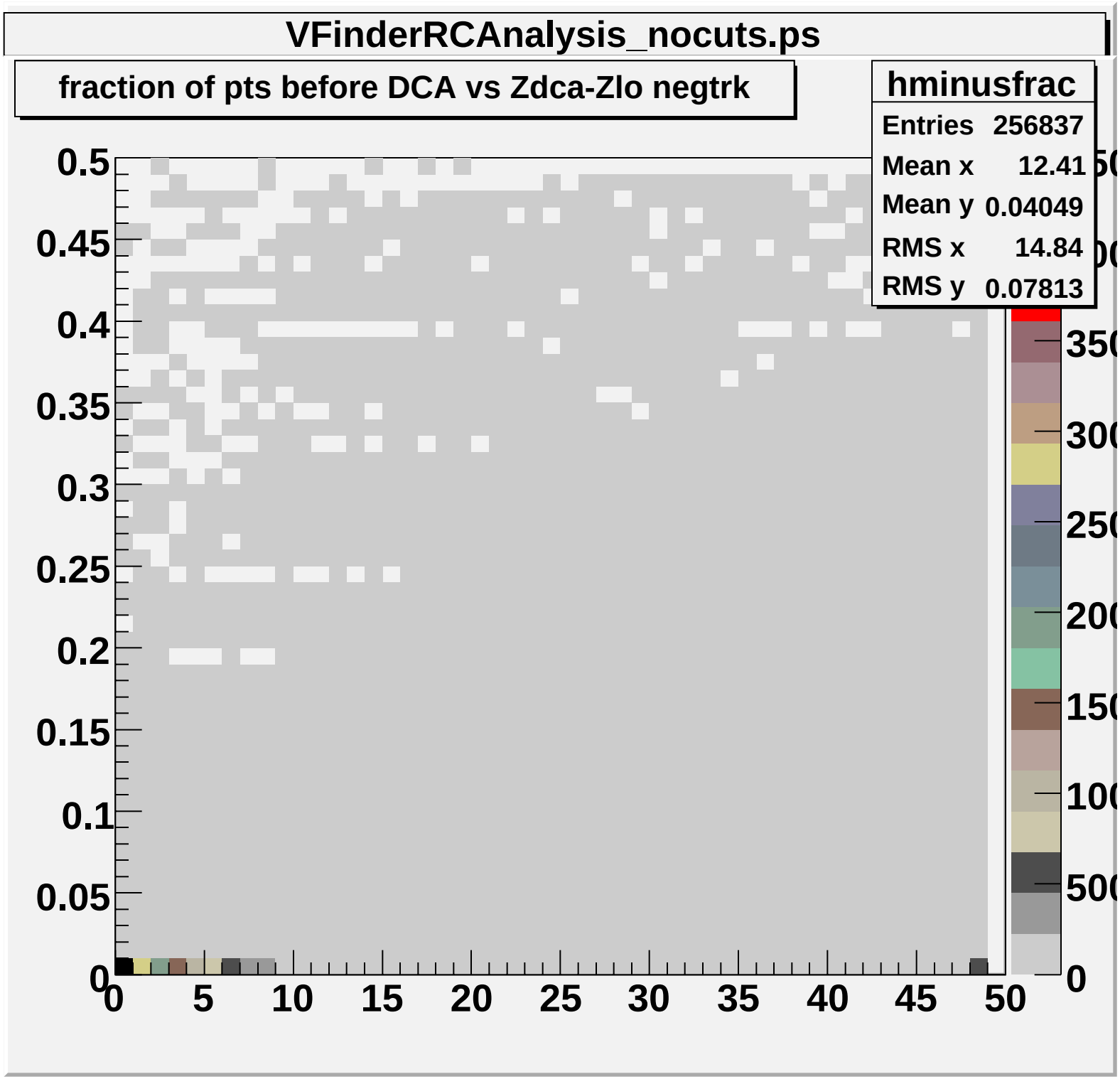

VFinderMCAnalysis_cut9.ps
fraction of pts before DCA vs Zdca-Zlo negtrk
hminusfrac
Entries 8609
Mean x 17.14
Mean y 0.001419
RMS x 13.93
RMS y 0.004083
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
25
30
35
40
45
50
0
100
200
300
400
500
600
700

VFinderMCAnalysis_cut9.ps

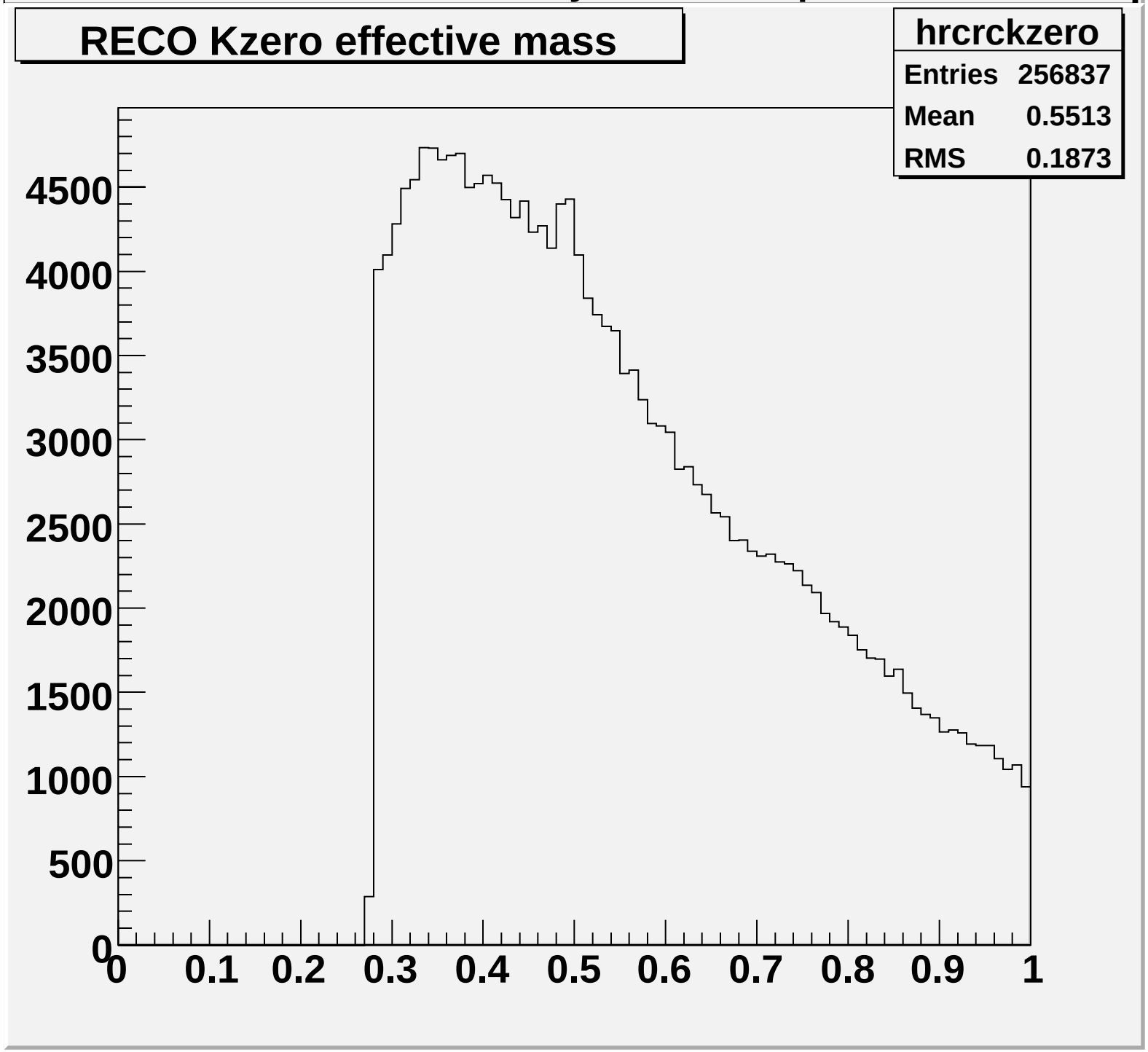


VFinderRCAnalysis_nocuts.ps

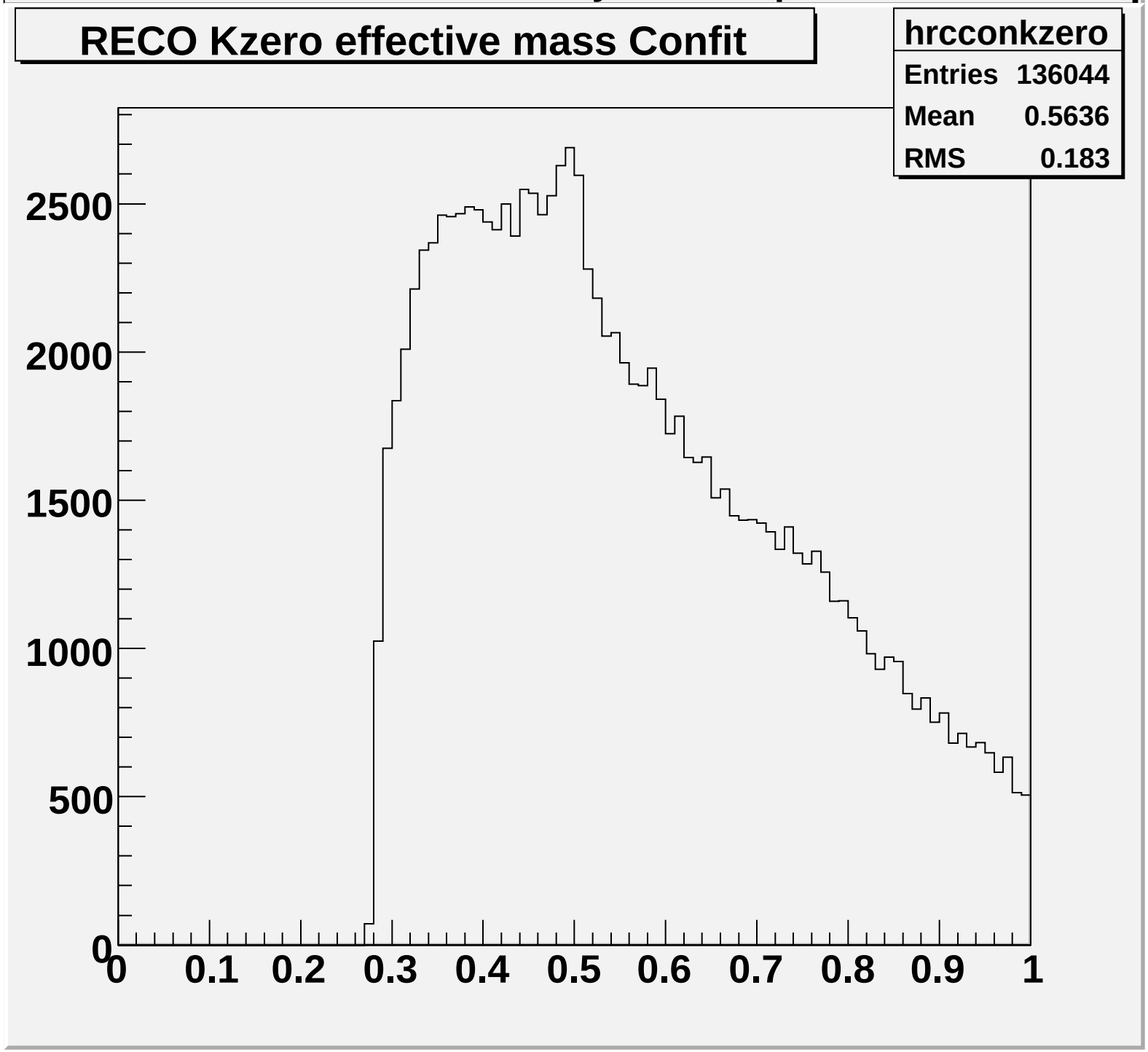



VFinderRCAnalysis_nocuts.ps
fraction of pts before DCA vs Zdca-Zlo negtrk
hminusfrac
Entries 256837
Mean x 12.41
Mean y 0.04049
RMS x 14.84
RMS y 0.07813
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
5
10
15
20
25
30
35
40
45
50
350
300
250
200
150
100
500
0

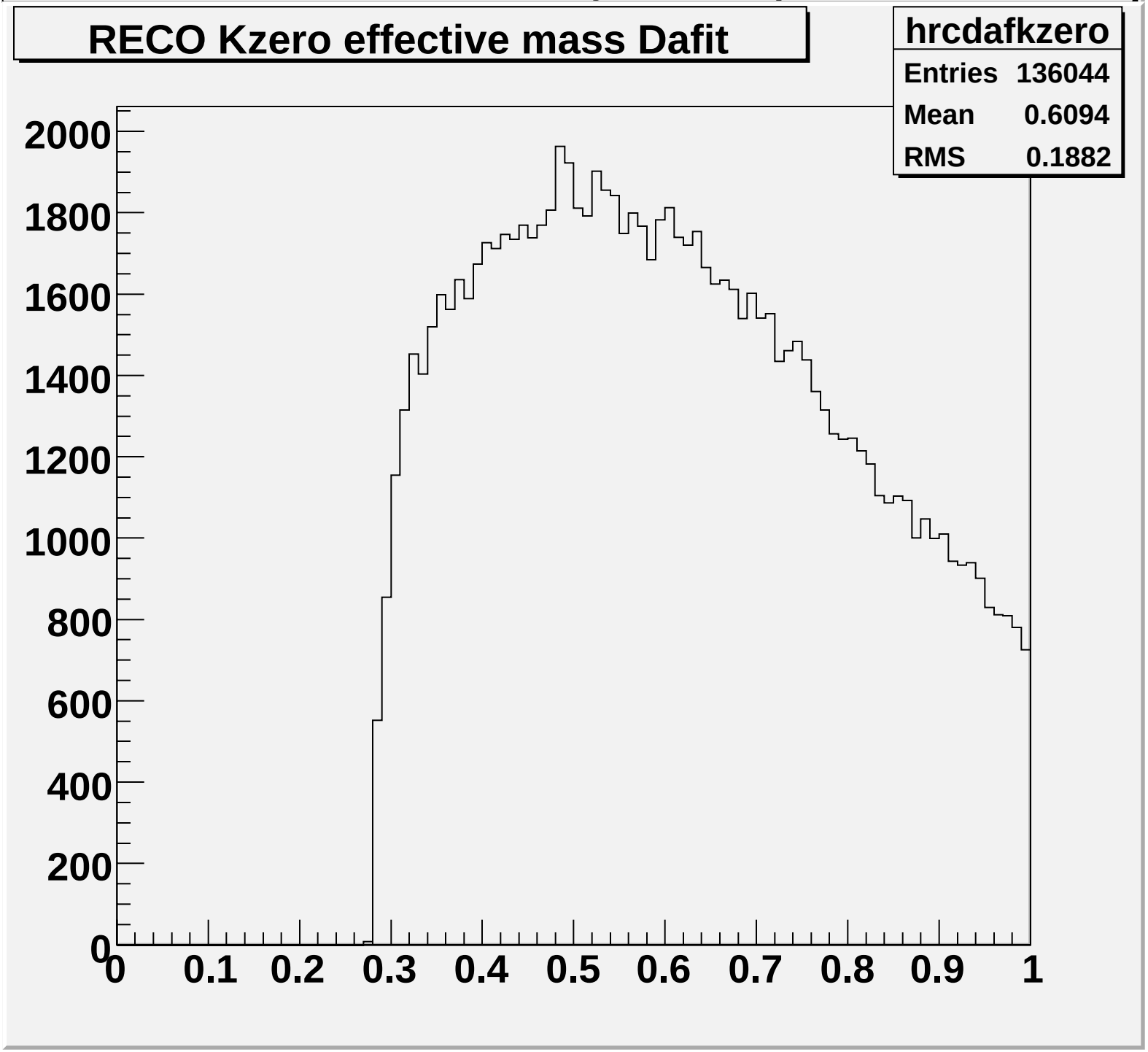
VFinderRCAnalysis_nocuts.ps



VFinderRCAnalysis_cut9.ps



VFinderRCAnalysis_cut9.ps

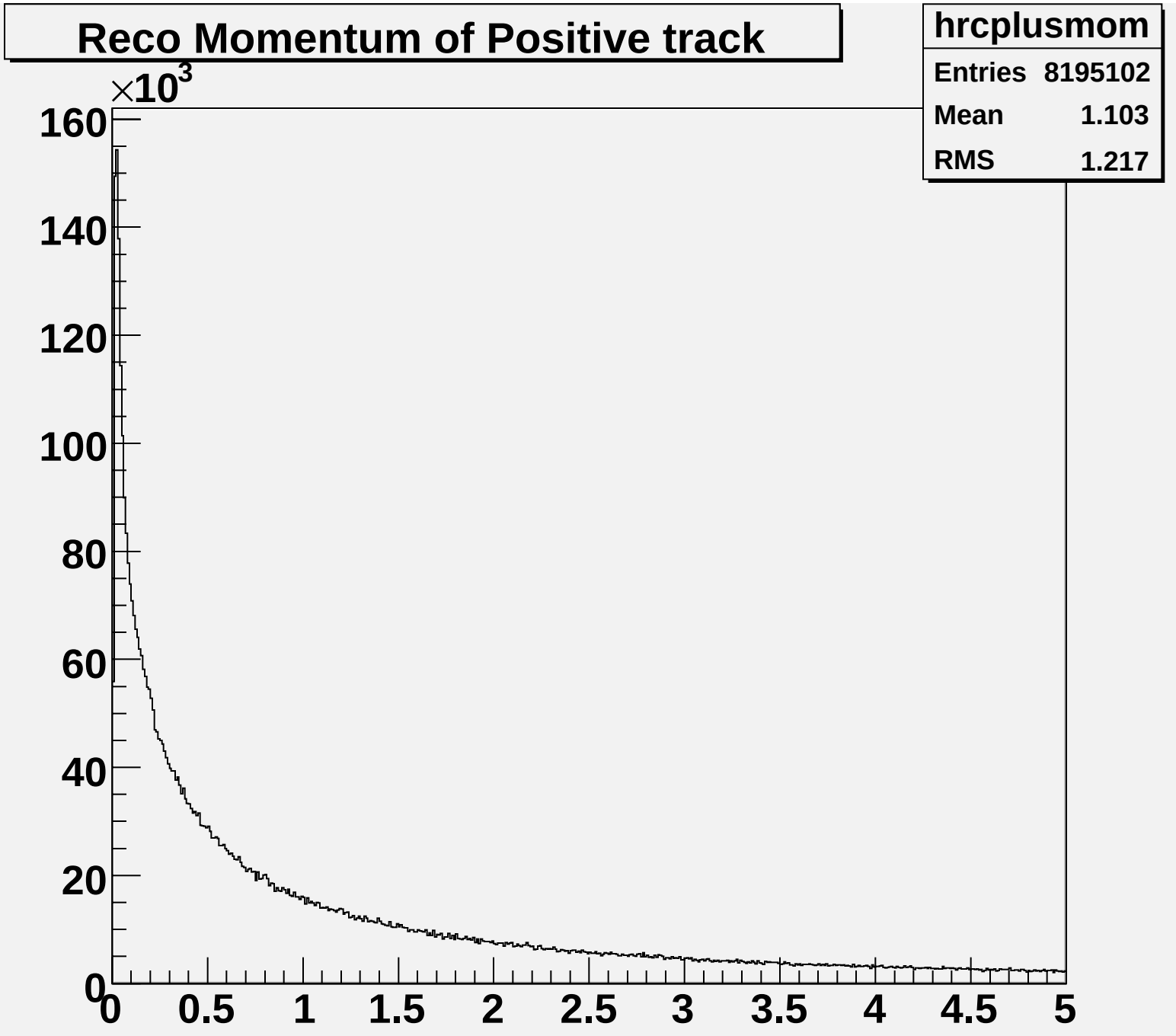


Data is LH2 84GeV

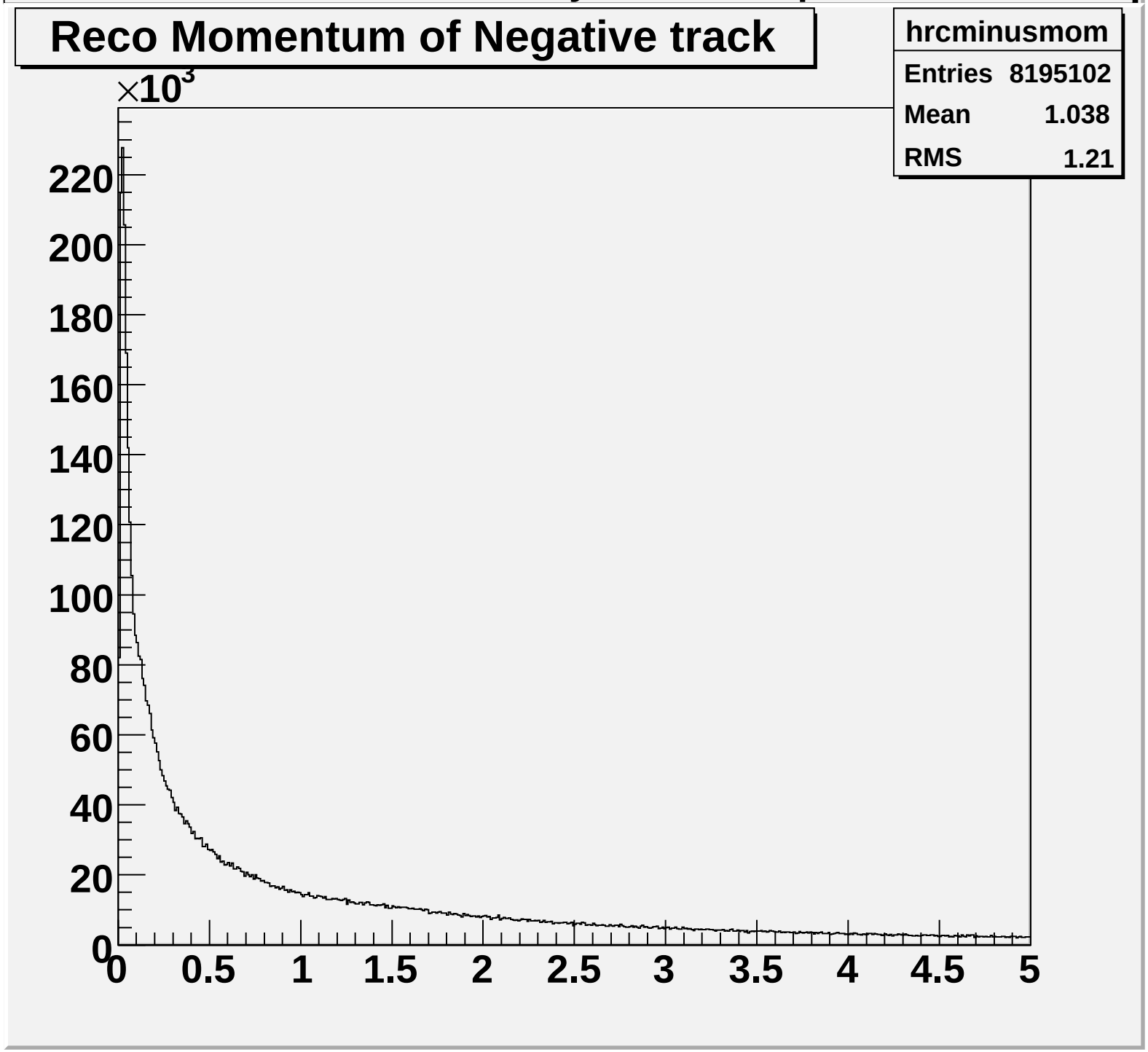
Cut set 9

frcut=0.02; //cut on fraction of hits before dca
zcalocut=3.0; //cut on zcalo = zdca-zlo
dcacut=1.0; //accept only pairs with dca less than dcacut
iveecut=0; //no iveecut
veemomcut=2.0; //accept vees above this cut
momcut= 1.0; //accept vee if +/- track grater than this

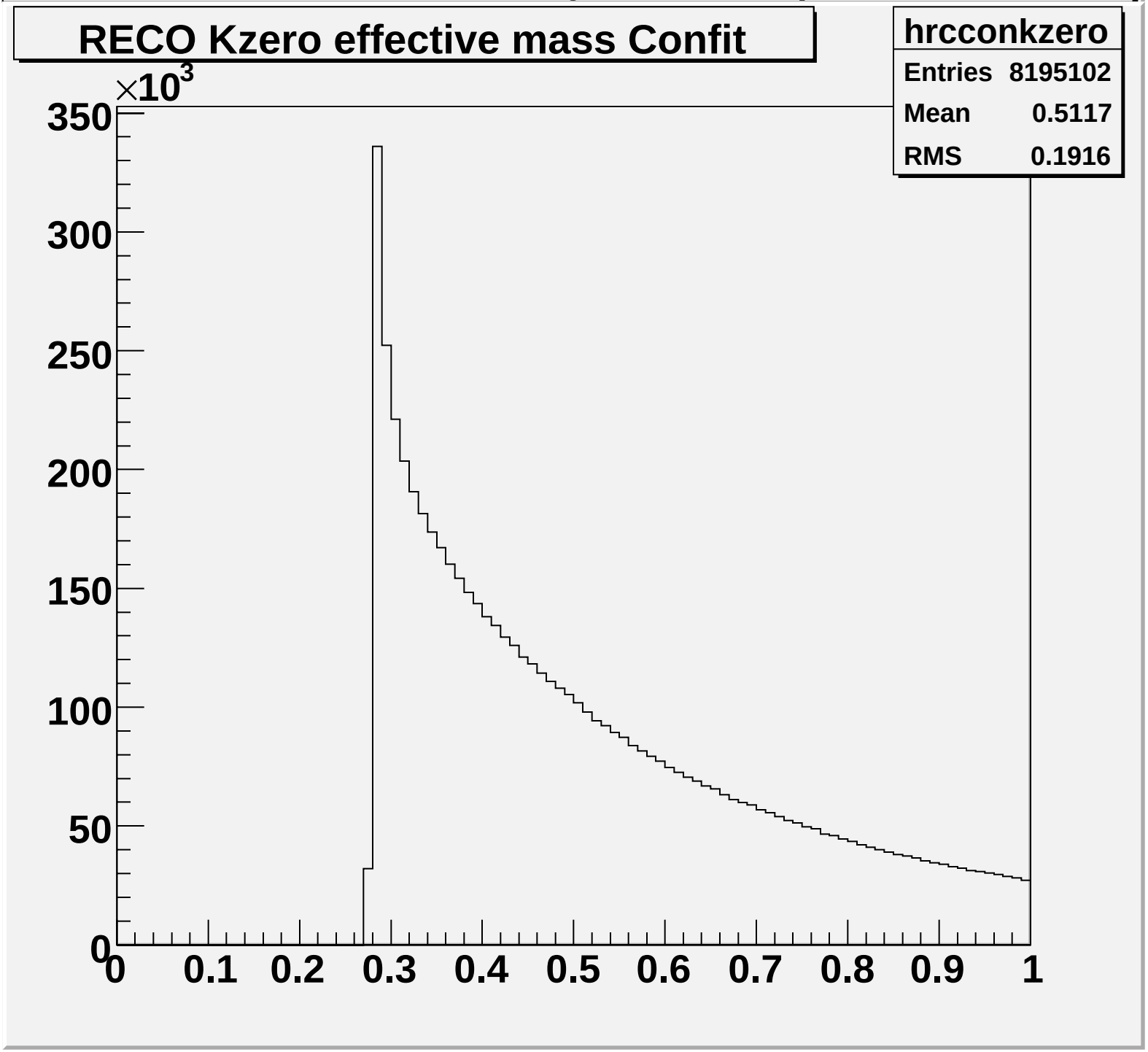
VFinderRCAnalysis_nocuts.ps



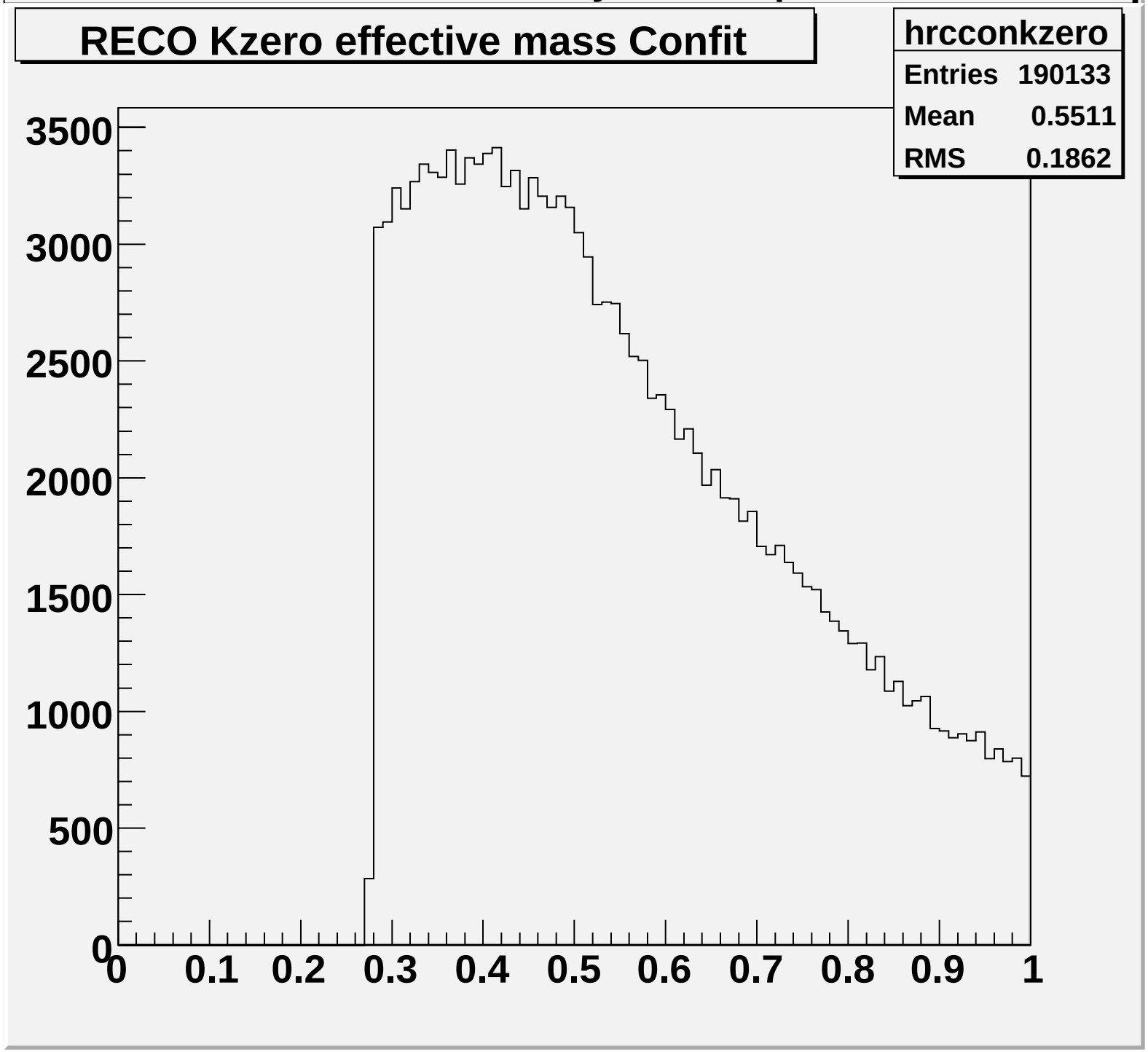
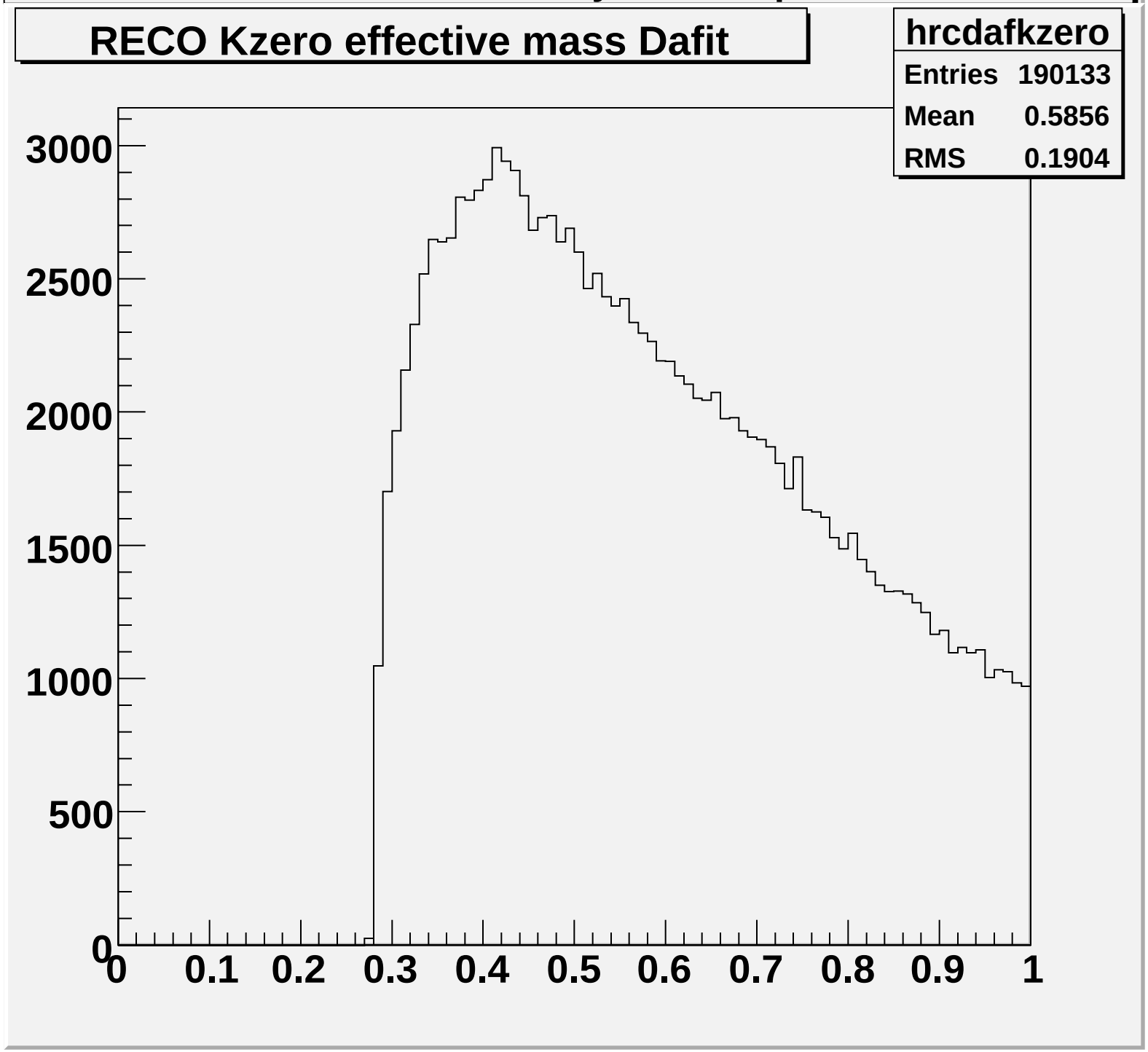
VFinderRCAnalysis_nocuts.ps



VFinderRCAnalysis_nocuts.ps



VFinderRCAnalysis_cut9.ps



VFinderRCAnalysis_cut9.ps