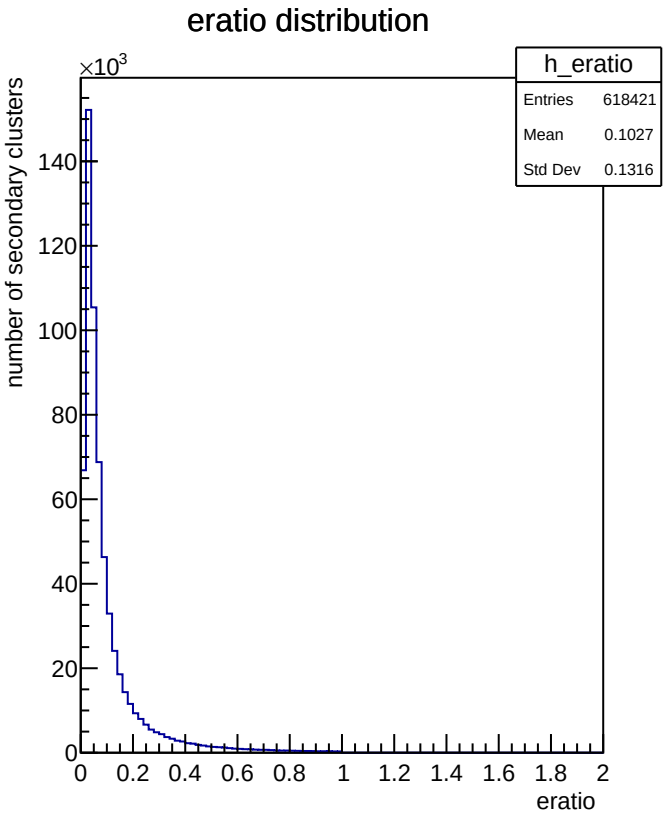
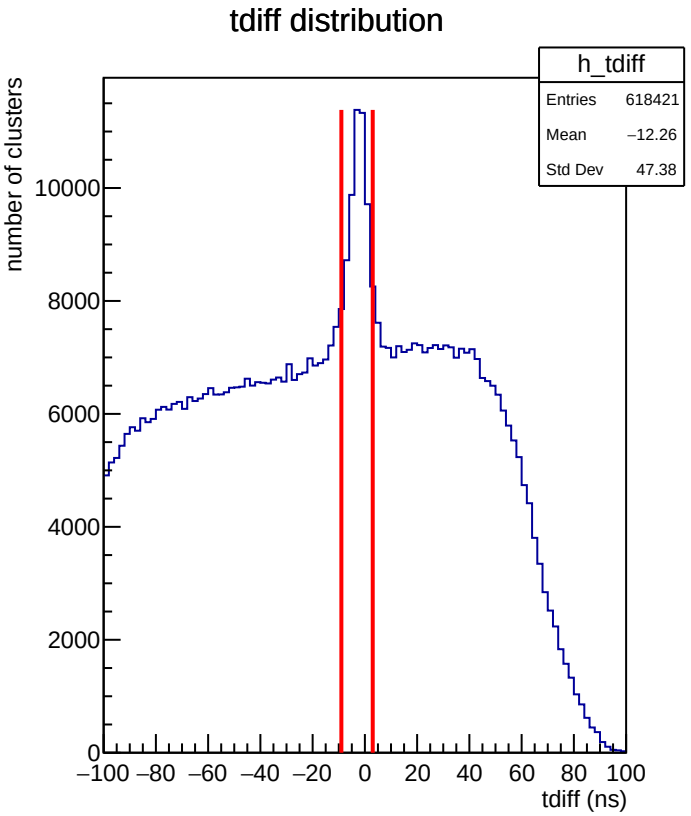
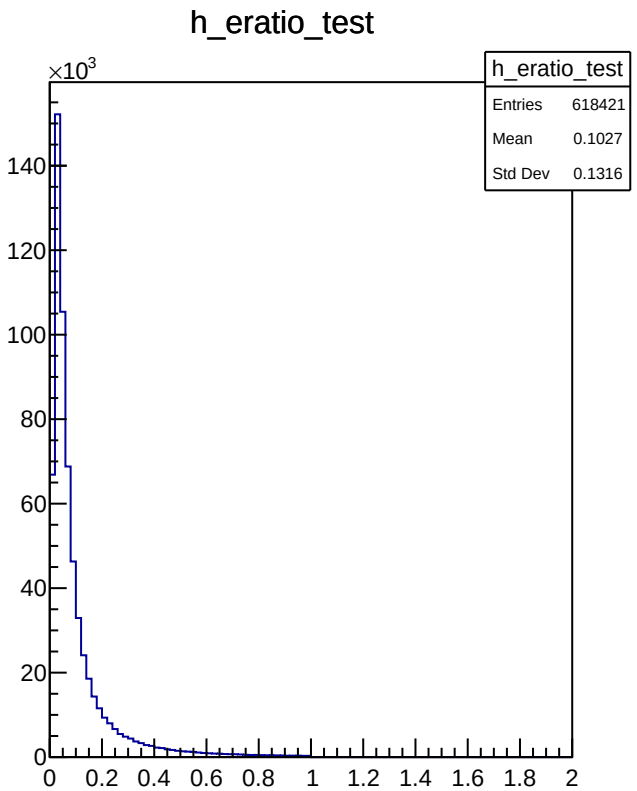
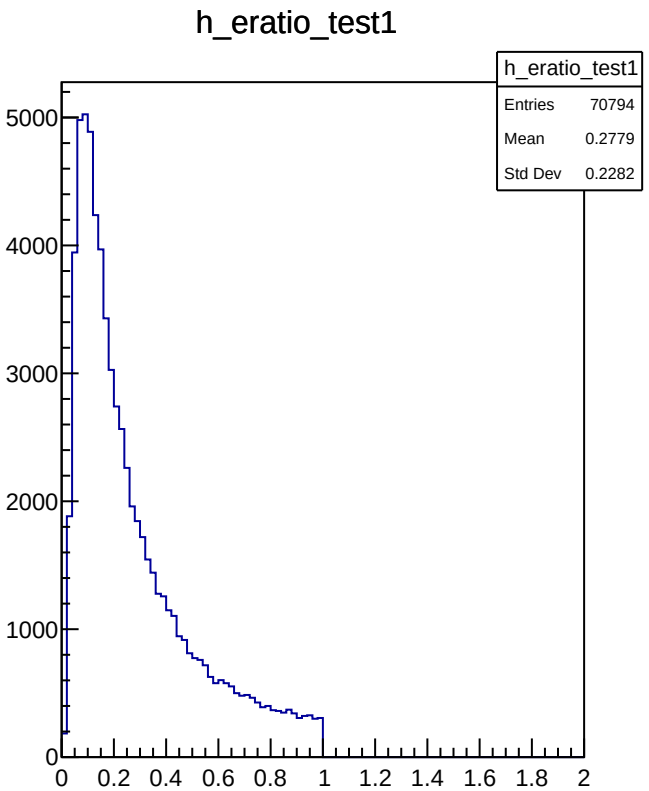
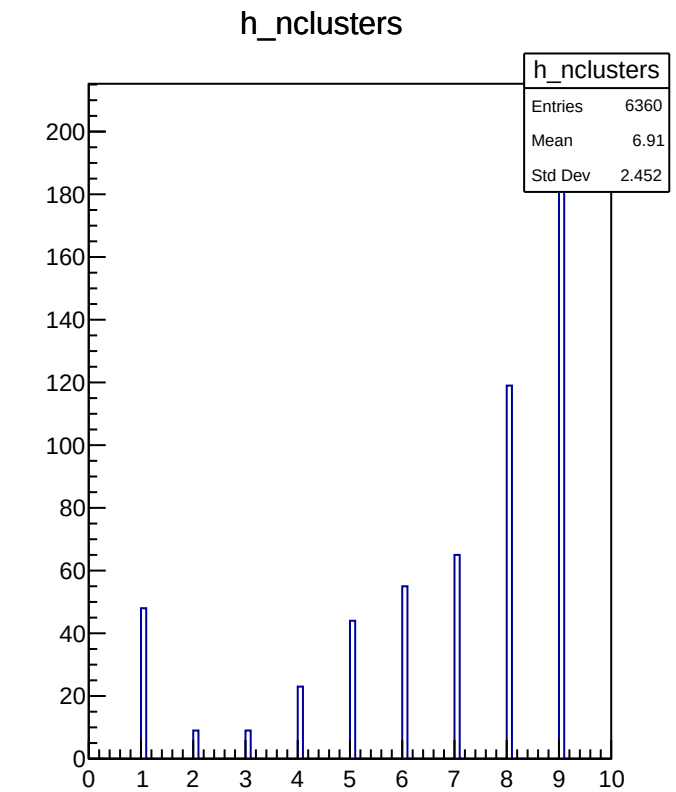
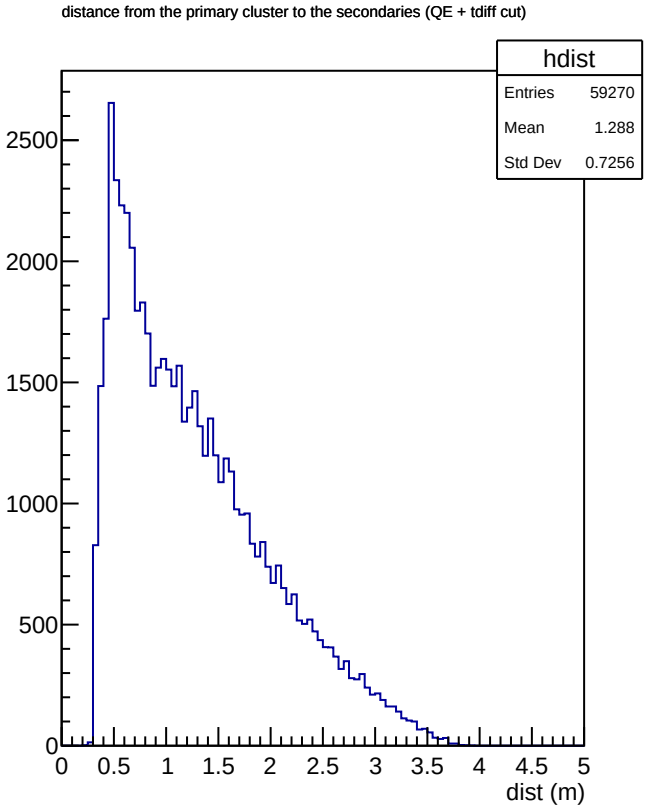

eratio distribution
h_eratio
Entries 618421
Mean 0.1027
Std Dev 0.1316
×10^3
number of secondary clusters
eratio

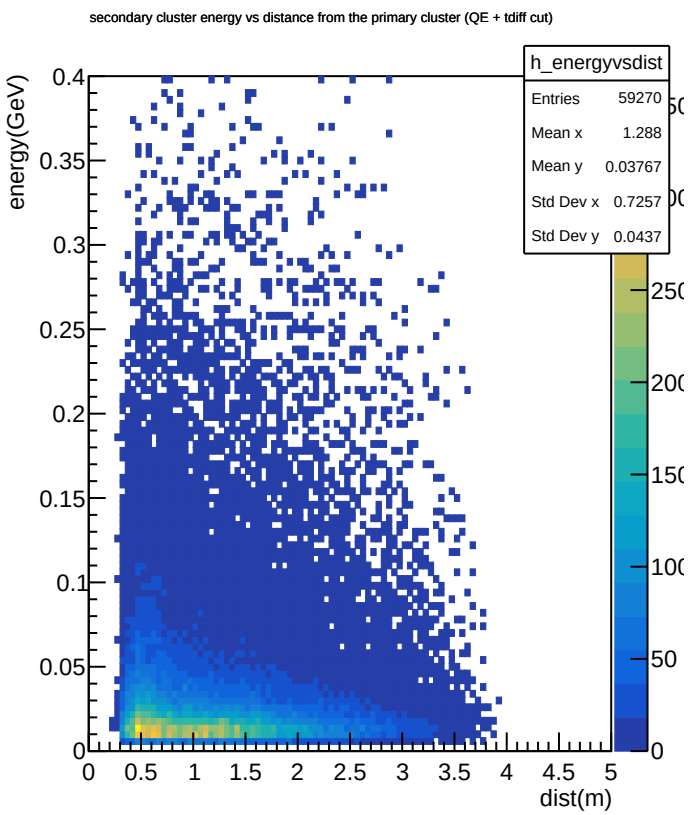

tdiff distribution
h_tdiff
Entries 618421
Mean −12.26
Std Dev 47.38
number of clusters
tdiff (ns)

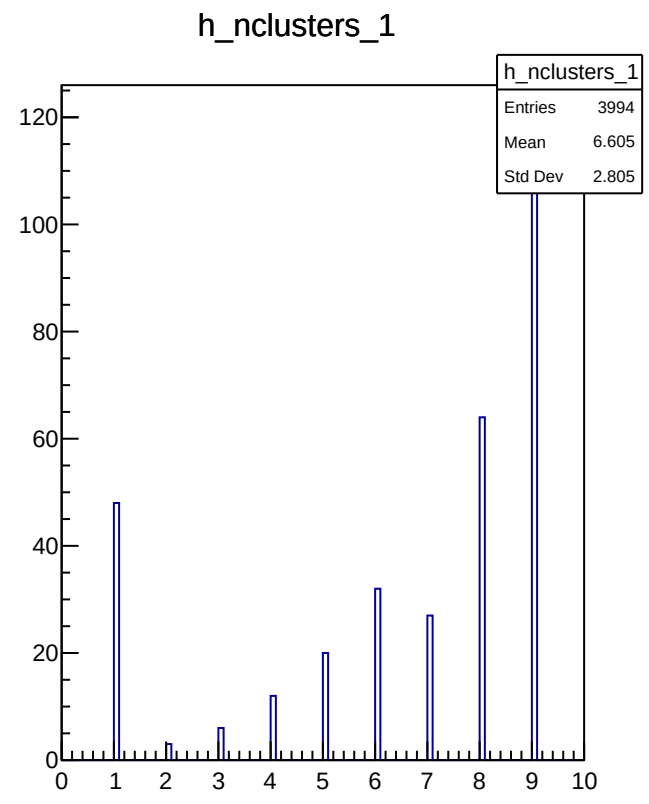

h_eratio_test
h_eratio_test
Entries 618421
Mean 0.1027
Std Dev 0.1316
×10^3


h_eratio_test1
h_eratio_test1
Entries 70794
Mean 0.2779
Std Dev 0.2282

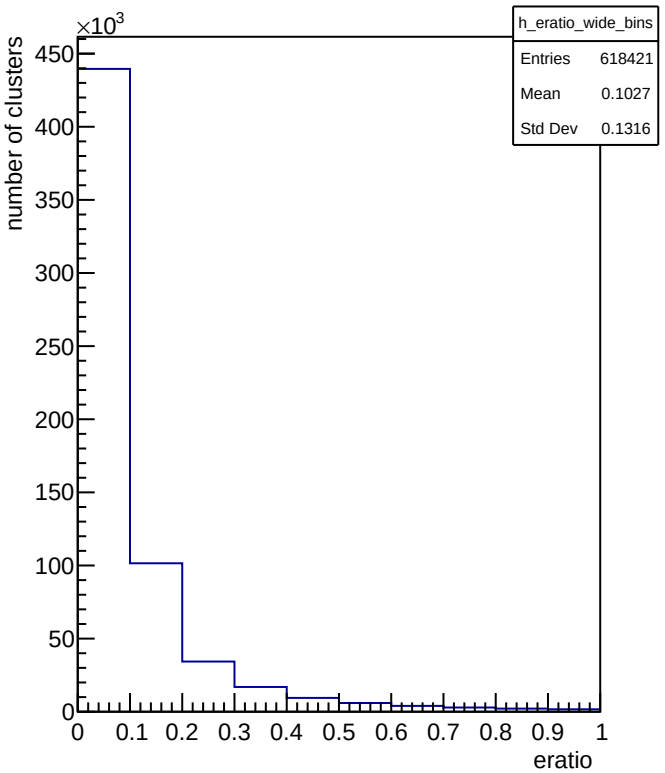

h_nclusters
h_nclusters
Entries 6360
Mean 6.91
Std Dev 2.452


distance from the primary cluster to the secondaries (QE + tdiff cut)
hdist
Entries 59270
Mean 1.288
Std Dev 0.7256
dist (m)

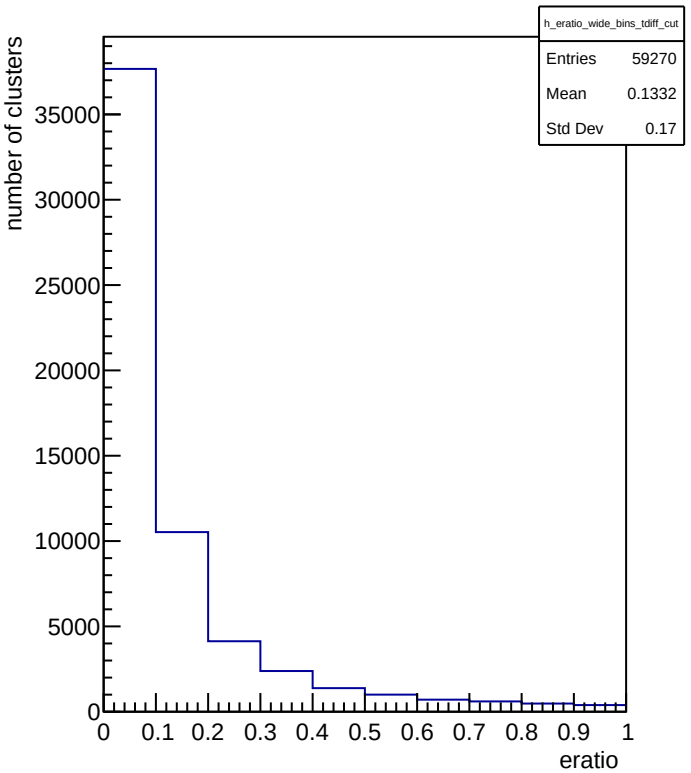

secondary cluster energy vs distance from the primary cluster (QE + tdiff cut)
h_energyvsdist
Entries 59270
Mean x 1.288
Mean y 0.03767
Std Dev x 0.7257
Std Dev y 0.0437
energy(GeV)
dist(m)


h_nclusters_1
h_nclusters_1
Entries 3994
Mean 6.605
Std Dev 2.805

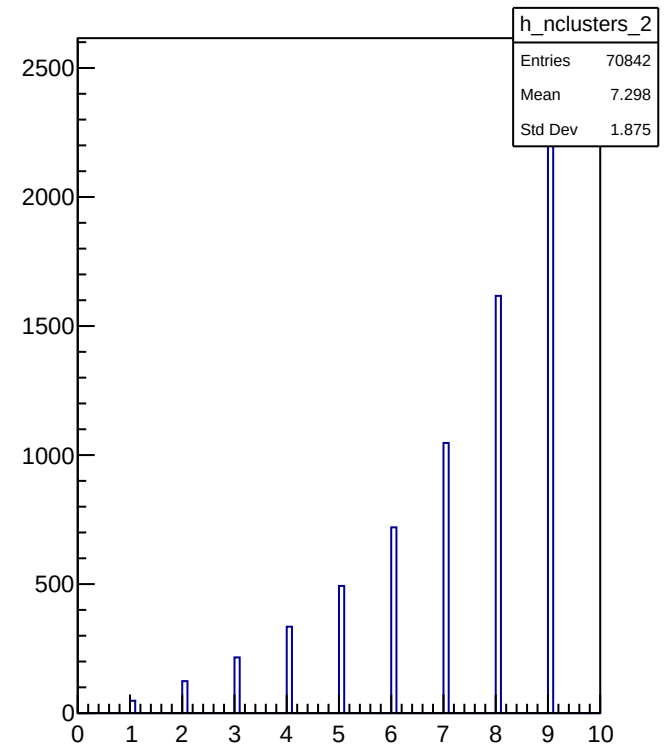
eratio distribution



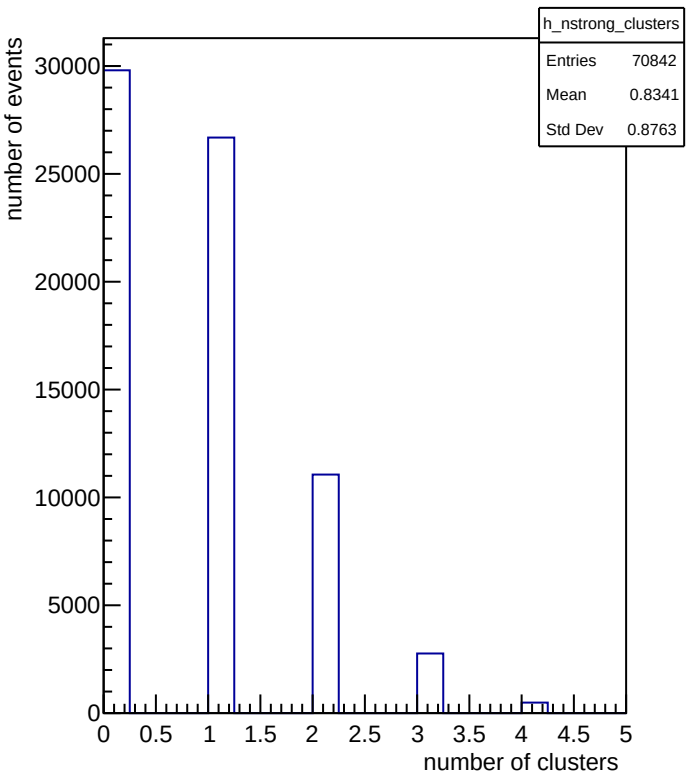
eratio distribution with a tdiff cut

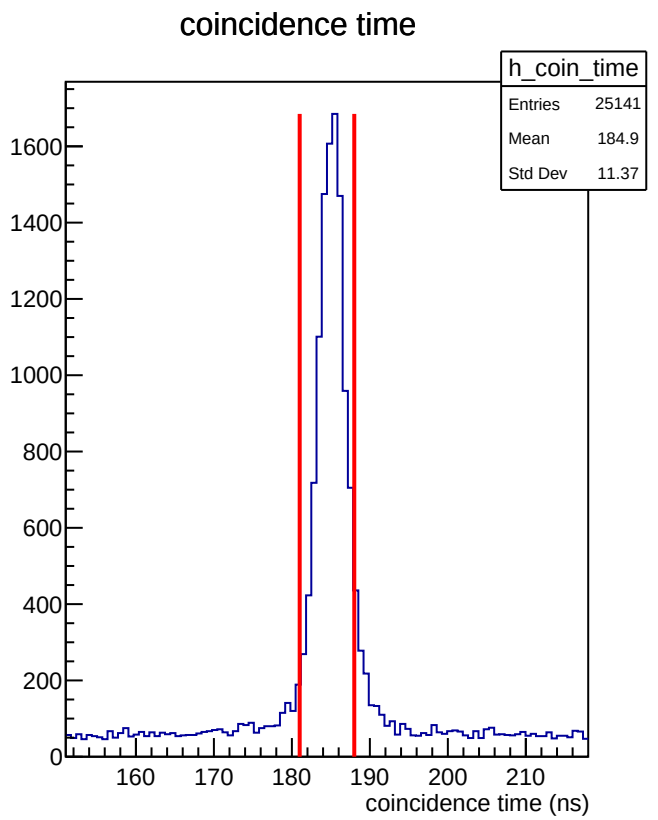


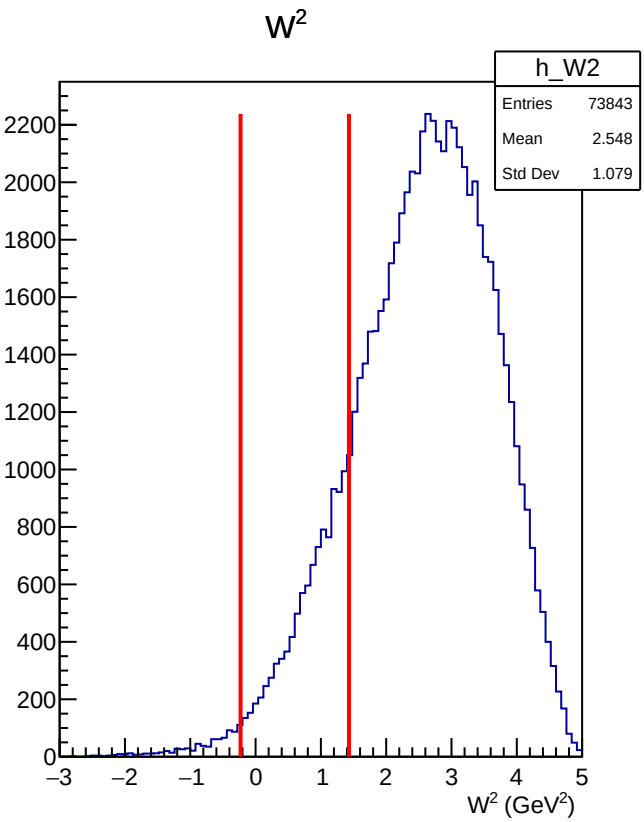
h_nclusters_2

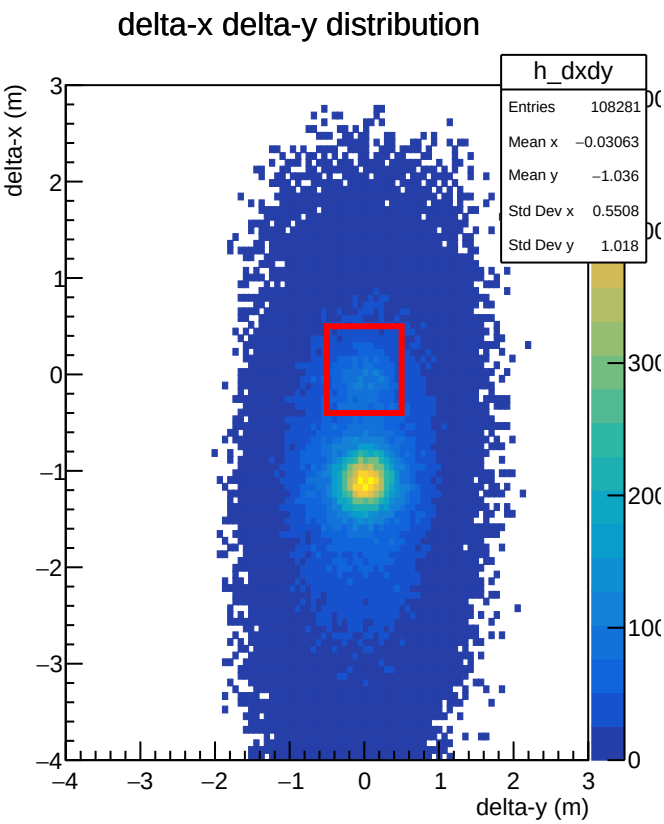


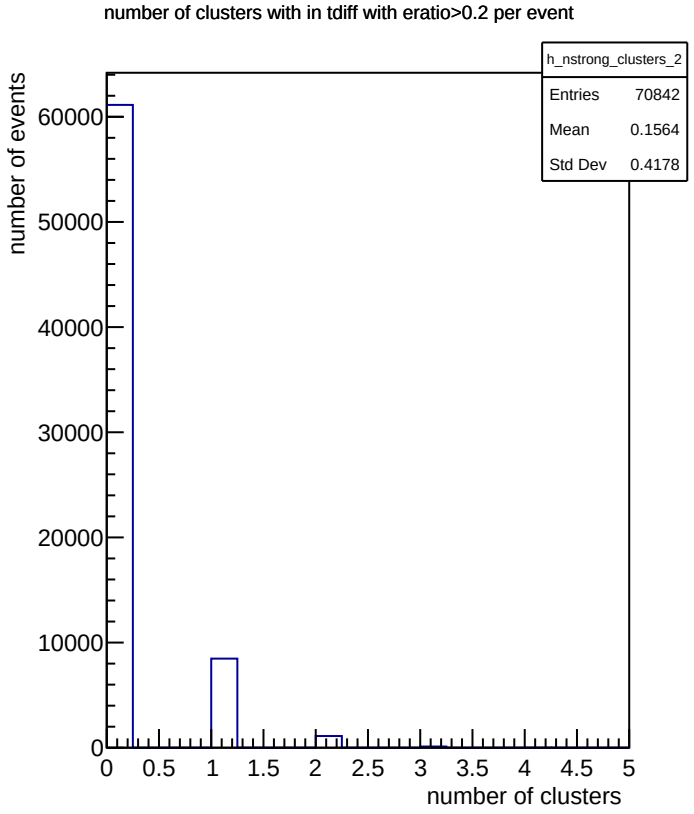
number of clusters with in tdiff per event

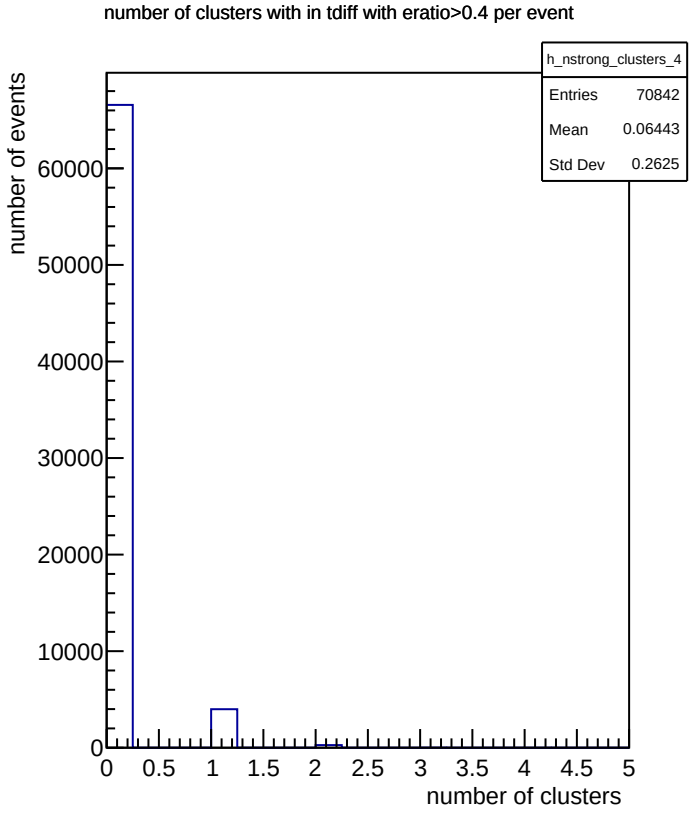


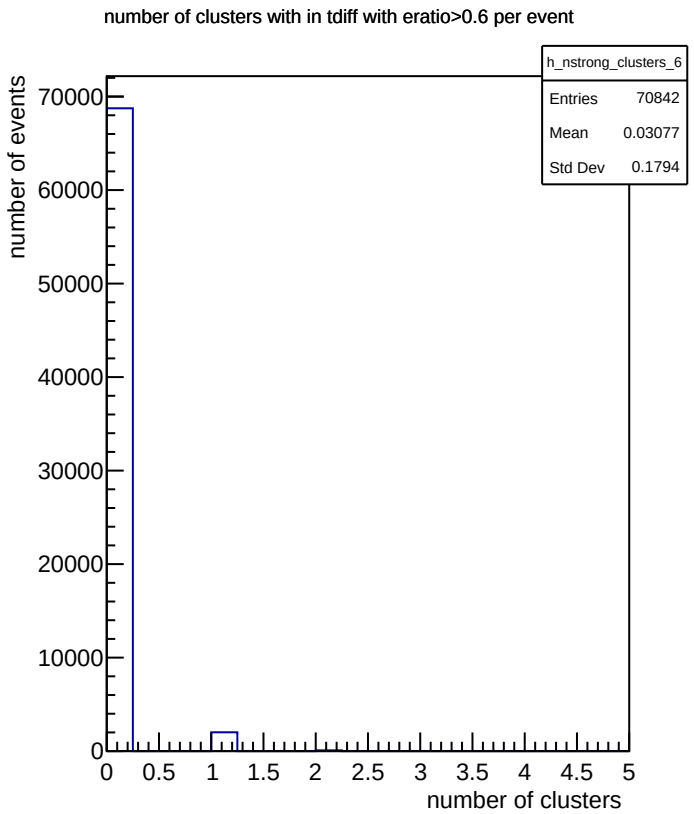

coincidence time
h_coin_time
Entries 25141
Mean 184.9
Std Dev 11.37
coincidence time (ns)

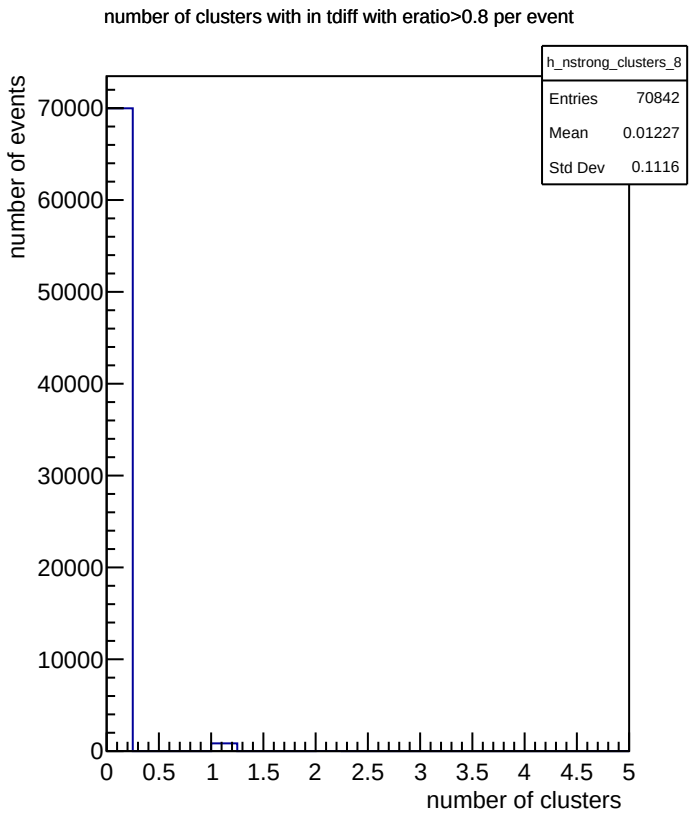

W²
h_W2
Entries 73843
Mean 2.548
Std Dev 1.079
W² (GeV²)

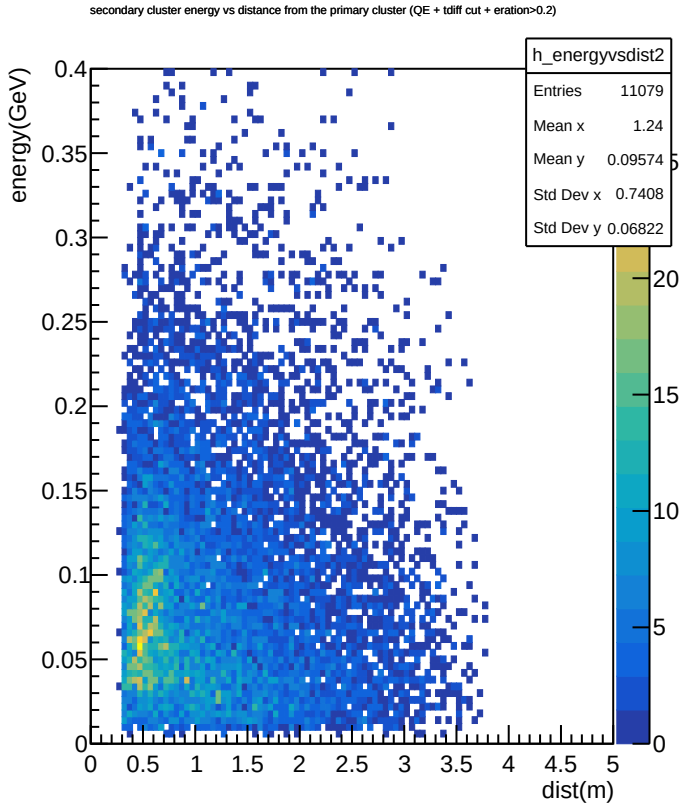

delta-x delta-y distribution
h_dxdy
Entries 108281
Mean x −0.03063
Mean y −1.036
Std Dev x 0.5508
Std Dev y 1.018
delta-x (m)
delta-y (m)

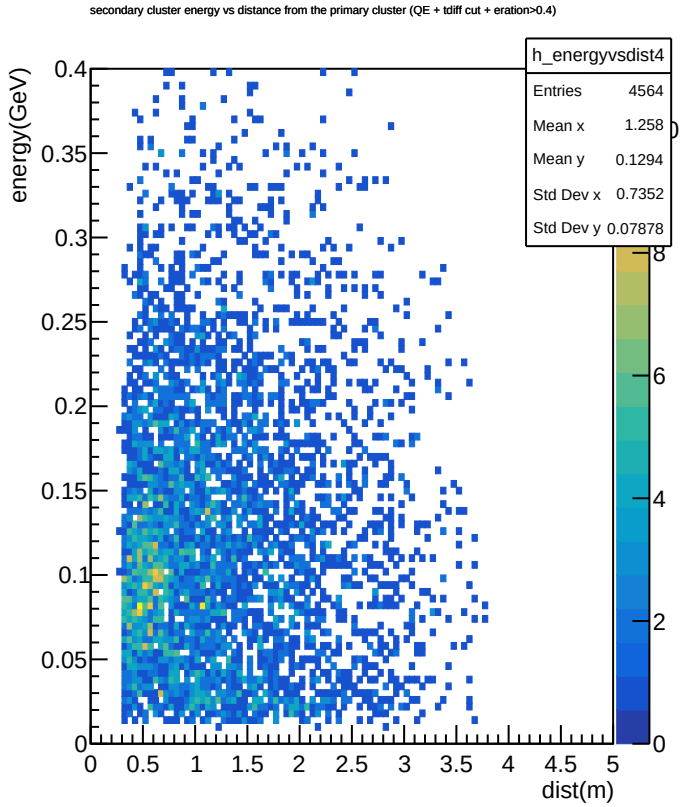

number of clusters with in tdiff with eratio>0.2 per event
h_nstrong_clusters_2
Entries 70842
Mean 0.1564
Std Dev 0.4178
number of events
number of clusters

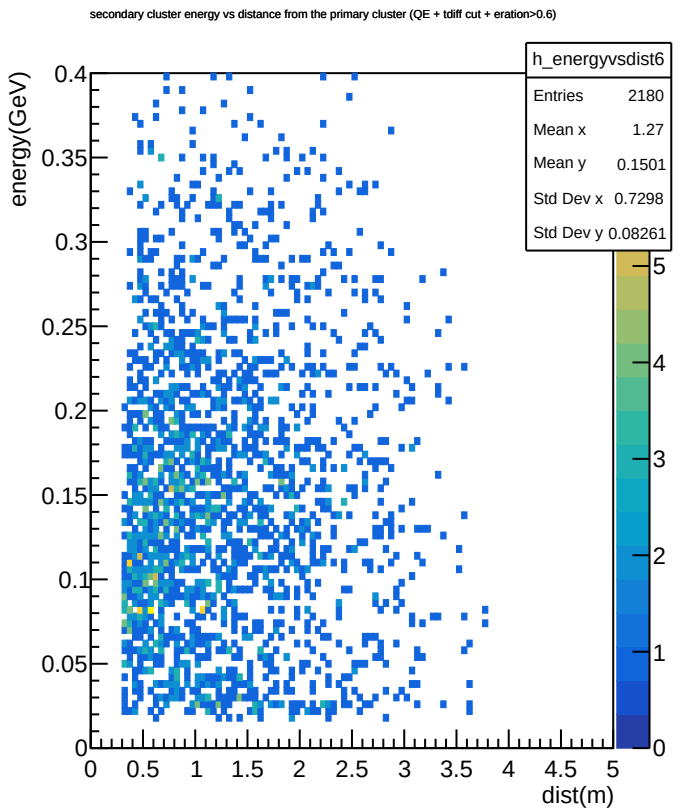

number of clusters with in tdiff with eratio>0.4 per event
h_nstrong_clusters_4
Entries 70842
Mean 0.06443
Std Dev 0.2625
number of events
number of clusters

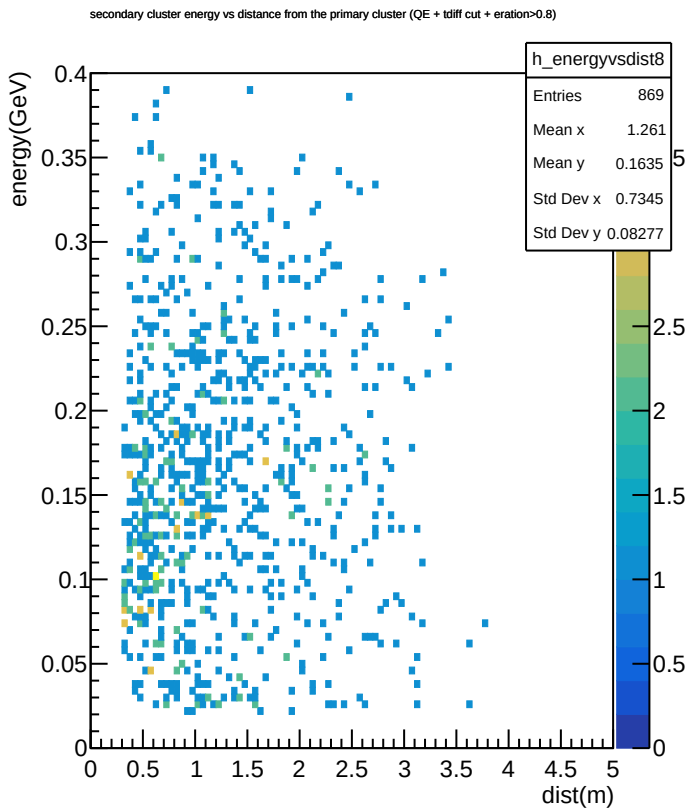

number of clusters with in tdiff with eratio>0.6 per event
h_nstrong_clusters_6
Entries 70842
Mean 0.03077
Std Dev 0.1794
number of events
number of clusters


number of clusters with in tdiff with eratio>0.8 per event
h_nstrong_clusters_8
Entries 70842
Mean 0.01227
Std Dev 0.1116
number of events
number of clusters

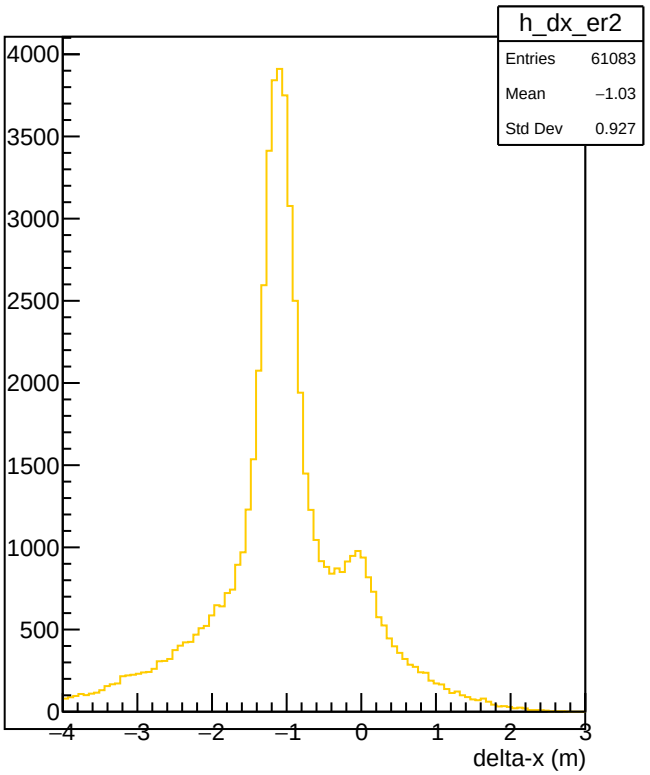

secondary cluster energy vs distance from the primary cluster (QE + tdiff cut + eration>0.2)
h_energyvsdist2
Entries 11079
Mean x 1.24
Mean y 0.09574
Std Dev x 0.7408
Std Dev y 0.06822
energy(GeV)
dist(m)


secondary cluster energy vs distance from the primary cluster (QE + tdiff cut + eration>0.4)
h_energyvsdist4
Entries 4564
Mean x 1.258
Mean y 0.1294
Std Dev x 0.7352
Std Dev y 0.07878
energy(GeV)
dist(m)

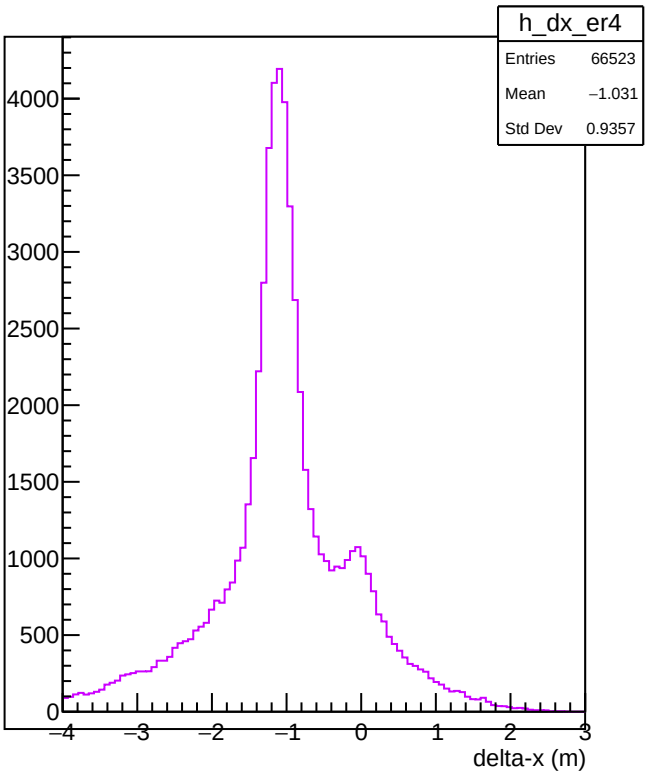

secondary cluster energy vs distance from the primary cluster (QE + tdiff cut + eration>0.6)
h_energyvsdist6
Entries 2180
Mean x 1.27
Mean y 0.1501
Std Dev x 0.7298
Std Dev y 0.08261
energy(GeV)
dist(m)


secondary cluster energy vs distance from the primary cluster (QE + tdiff cut + eration>0.8)
h_energyvsdist8
Entries 869
Mean x 1.261
Mean y 0.1635
Std Dev x 0.7345
Std Dev y 0.08277
energy(GeV)
dist(m)

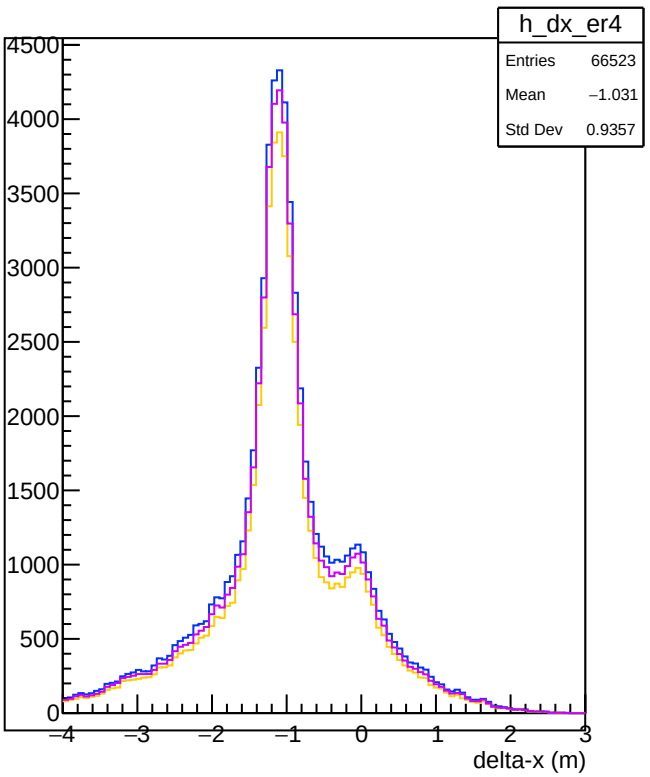
delta-x distribution for eratio<0.2 with other QE cuts



delta-x distribution for eratio<0.4 with other QE cuts



delta-x distribution with QE cuts

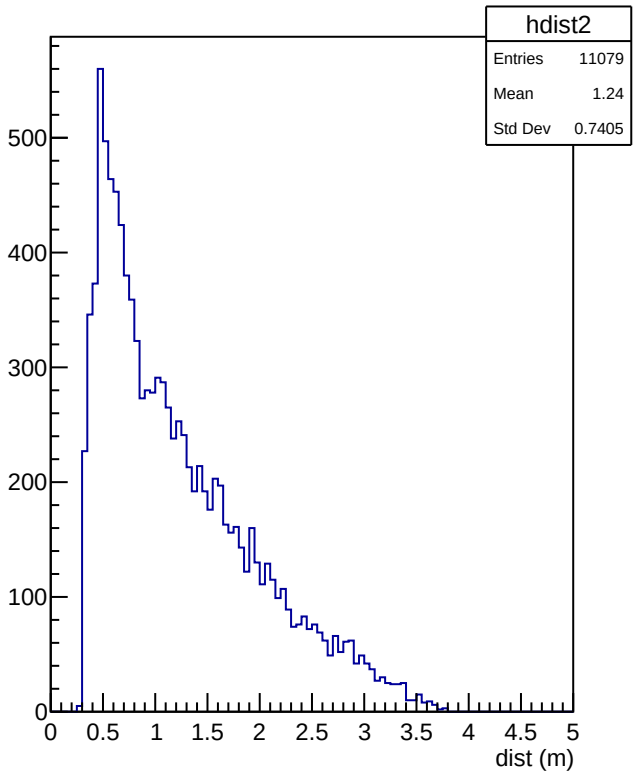


primary clusters

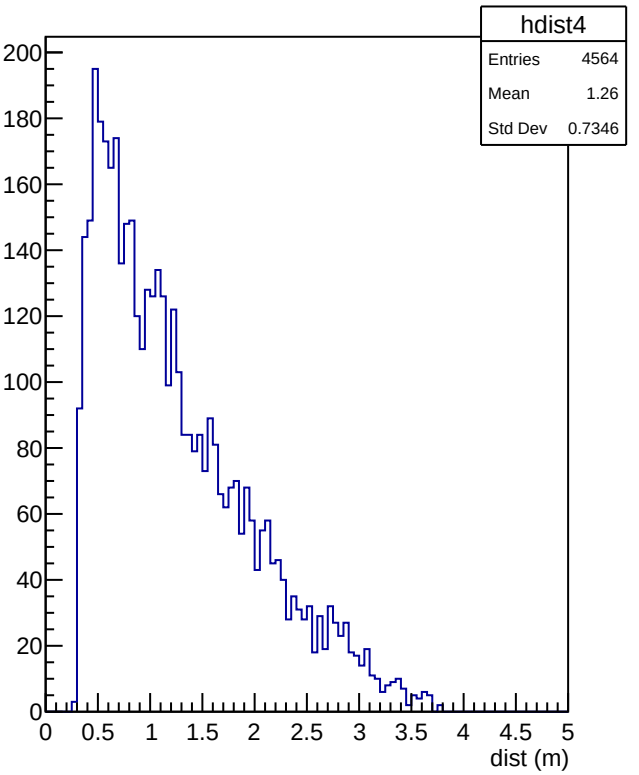
$E_{sec}/E_{prim} < 0.2$

$E_{sec}/E_{prim} < 0.4$

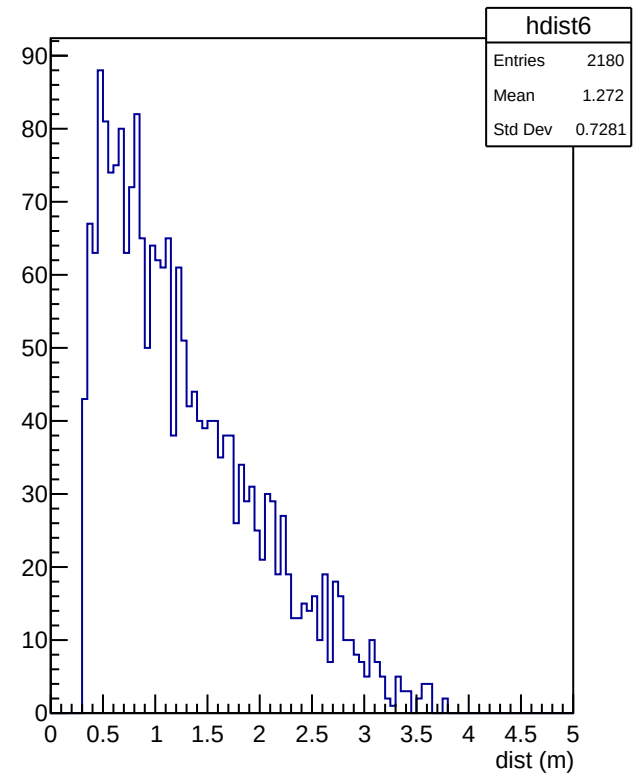
distance from the primary cluster to the secondaries (QE + tdiff cut + eration>0.2)



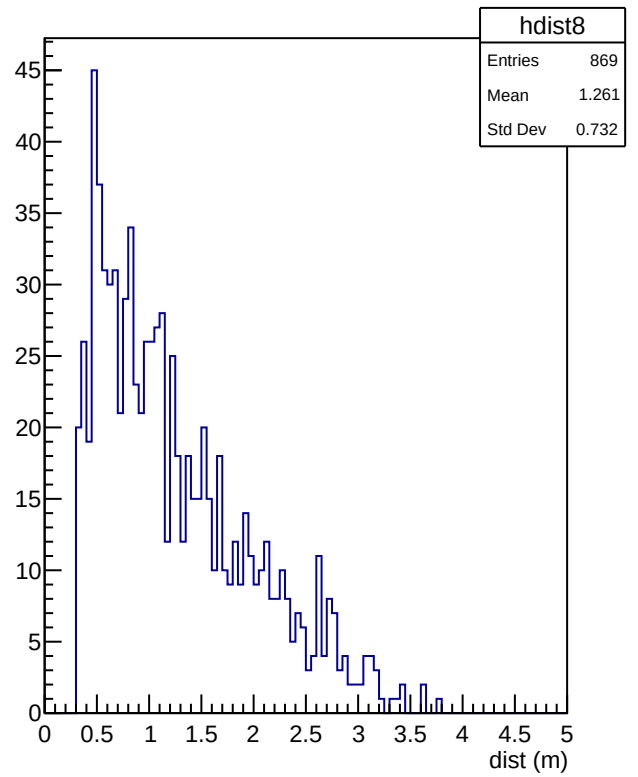
distance from the primary cluster to the secondaries (QE + tdiff cut + eration>0.4)

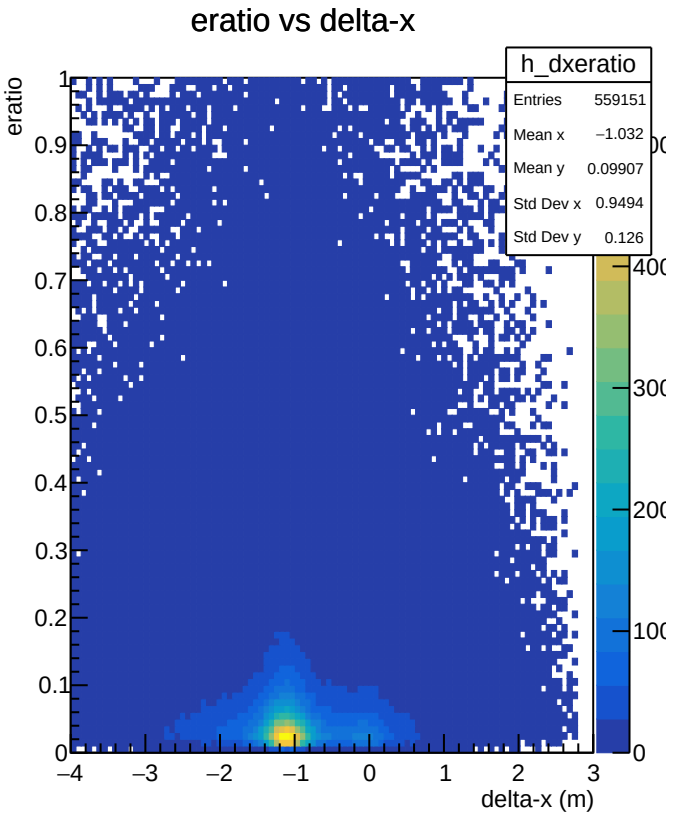


distance from the primary cluster to the secondaries (QE + tdiff cut + eration>0.6)



distance from the primary cluster to the secondaries (QE + tdiff cut + eration>0.8)




eratio vs delta-x
h_dxeratio
Entries 559151
Mean x −1.032
Mean y 0.09907
Std Dev x 0.9494
Std Dev y 0.126
eratio
delta-x (m)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
−4
−3
−2
−1
0
1
2
3
100
200
300
400