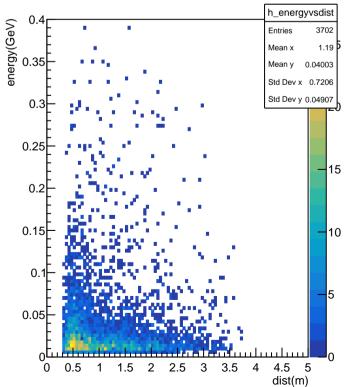
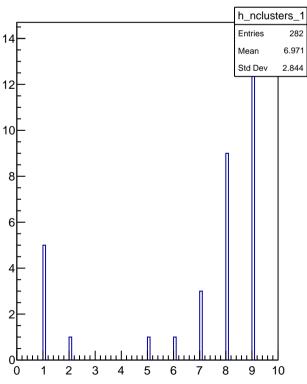


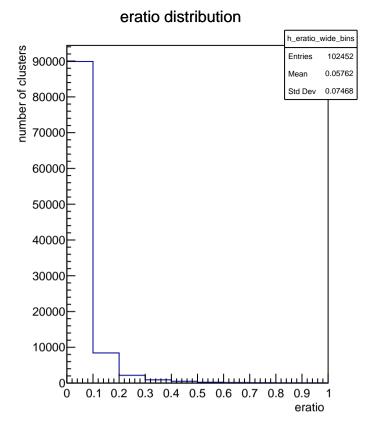


secondary cluster energy vs distance from the primary cluster (QE + tdiff cut)

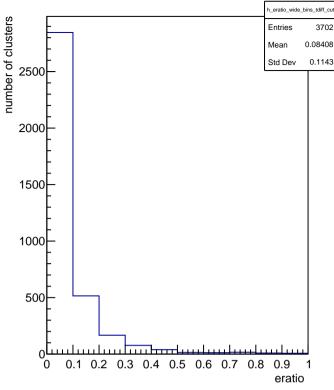


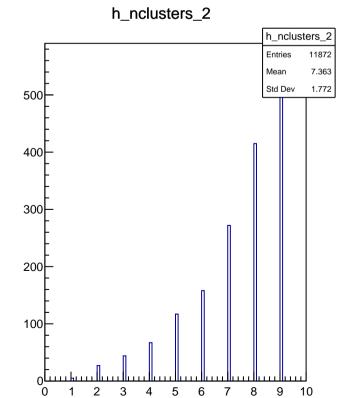




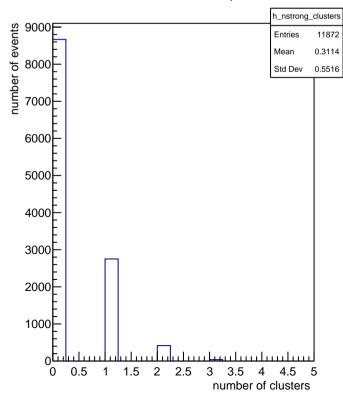


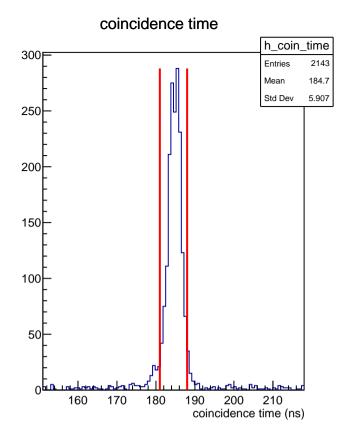
eratio distribution with a tdiff cut

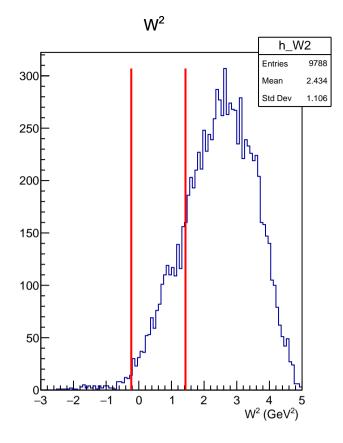


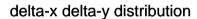


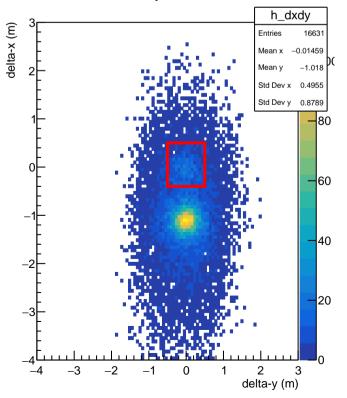
number of clusters with in tdiff per event



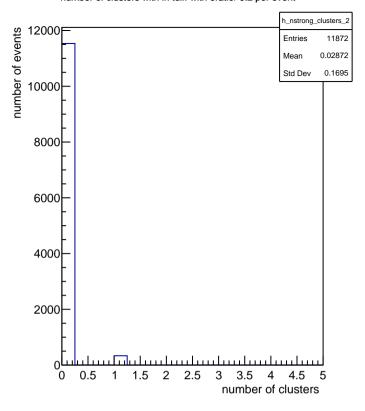


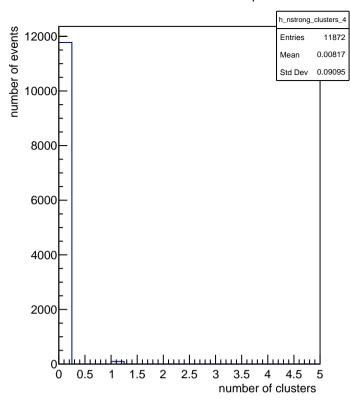






number of clusters with in tdiff with eratio>0.4 per event





number of clusters with in tdiff with eratio>0.6 per event

12000

0.5

1.5 2 2.5 h_nstrong_clusters_6

11872

Entries

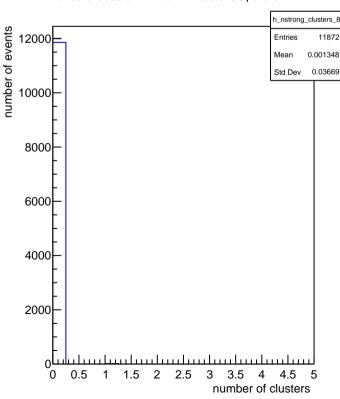
number of events 0.003706 Std Dev 0.06077 10000 8000 6000 4000 2000

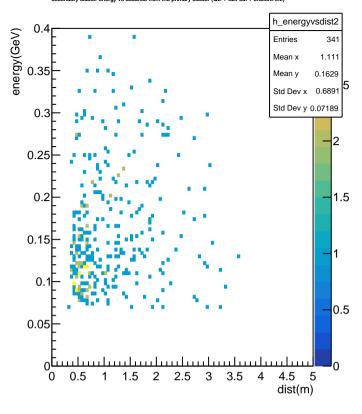
3

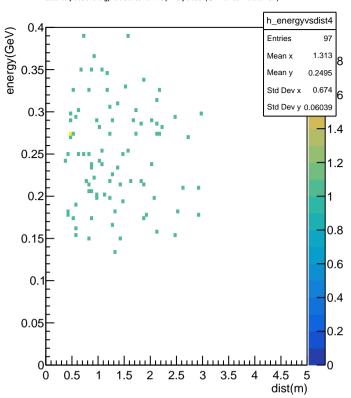
3.5 4 4.5

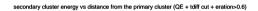
number of clusters

number of clusters with in tdiff with eratio>0.8 per event





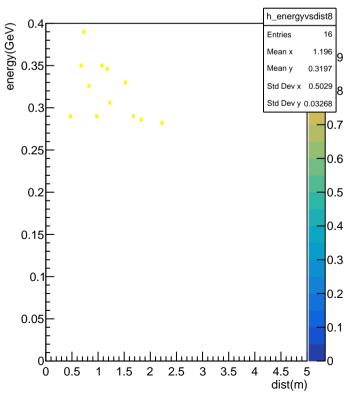


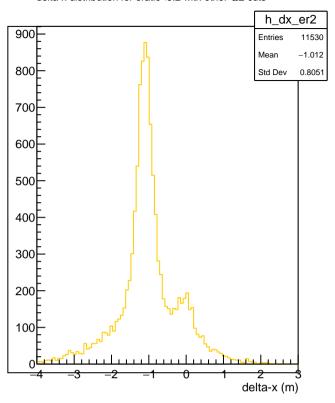


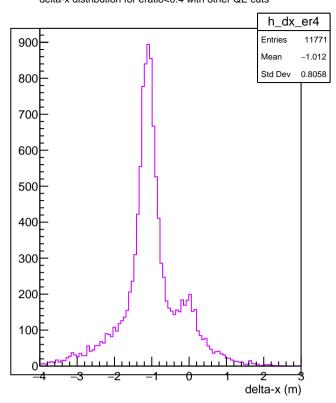
h_energyvsdist6 energy(GeV) Entries Mean x 1.313 0.35 Mean y 0.2901 Std Dev x 0.663 Std Dev y 0.04253 0.3 0.7 0.25 0.6 0.2 0.5 0.4 0.15 0.3 0.1 0.2 0.05 0.1 5 4.5 0.5 2 2.5 3 3.5 1.5

dist(m)

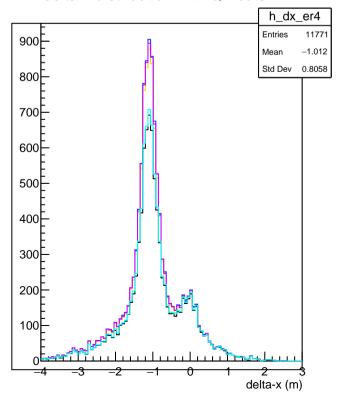
secondary cluster energy vs distance from the primary cluster (QE + tdiff cut + eration>0.8)







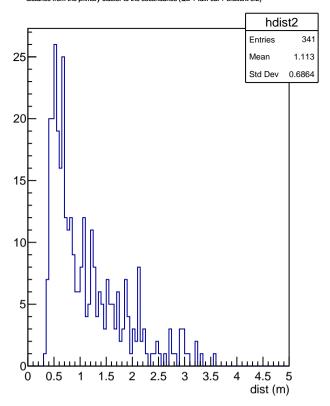
delta-x distribution with QE cuts

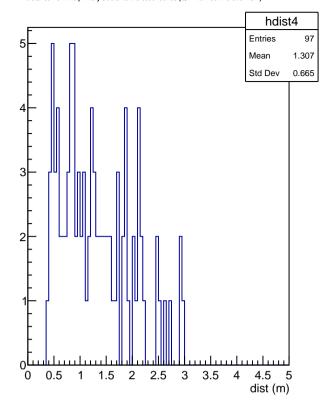


— primary clusters

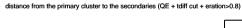
 $E_{\text{sec}}/E_{\text{prim}} > 0.2$

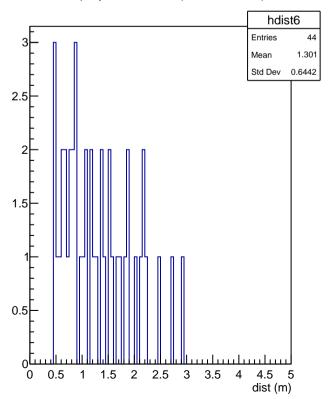
____ $E_{sec}/E_{prim} > 0.4$

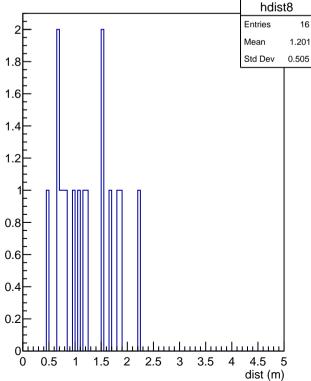


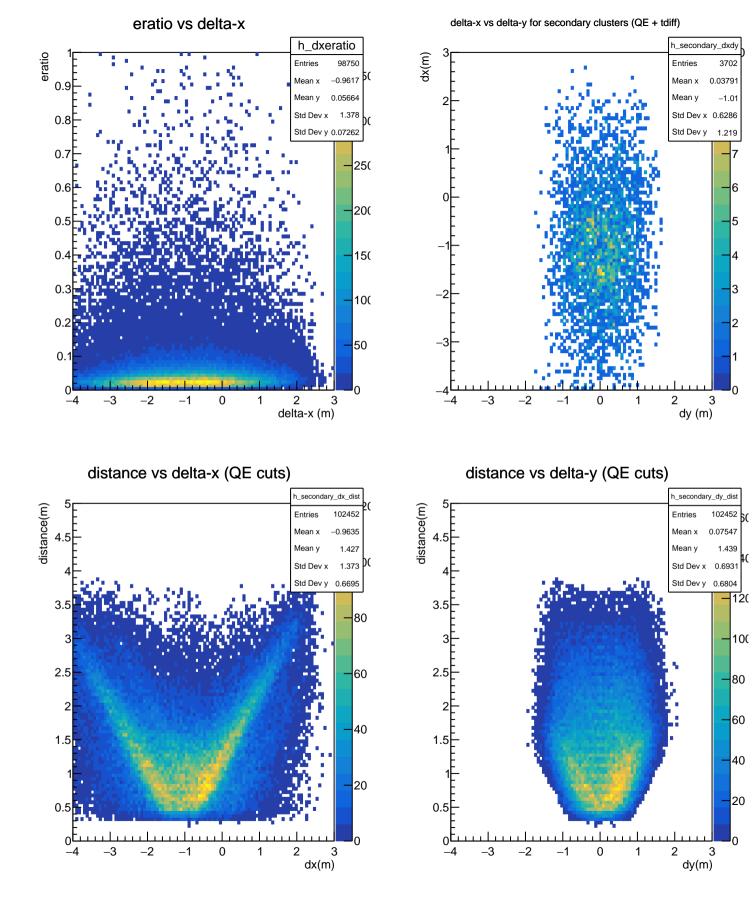


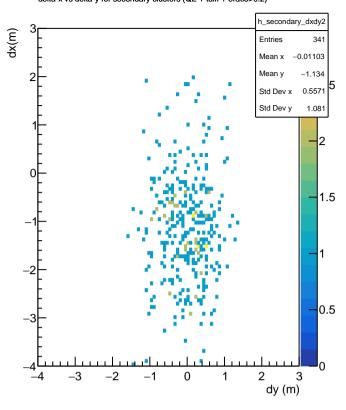
distance from the primary cluster to the secondaries (QE + tdiff cut + eration>0.6)

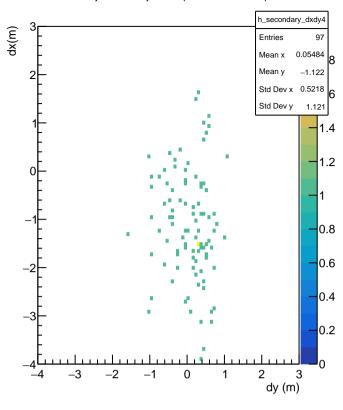










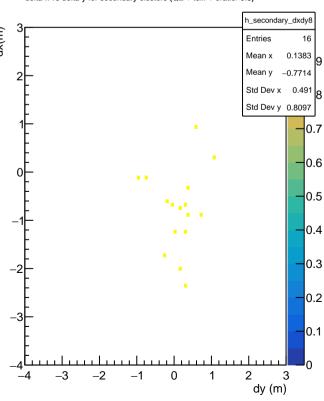


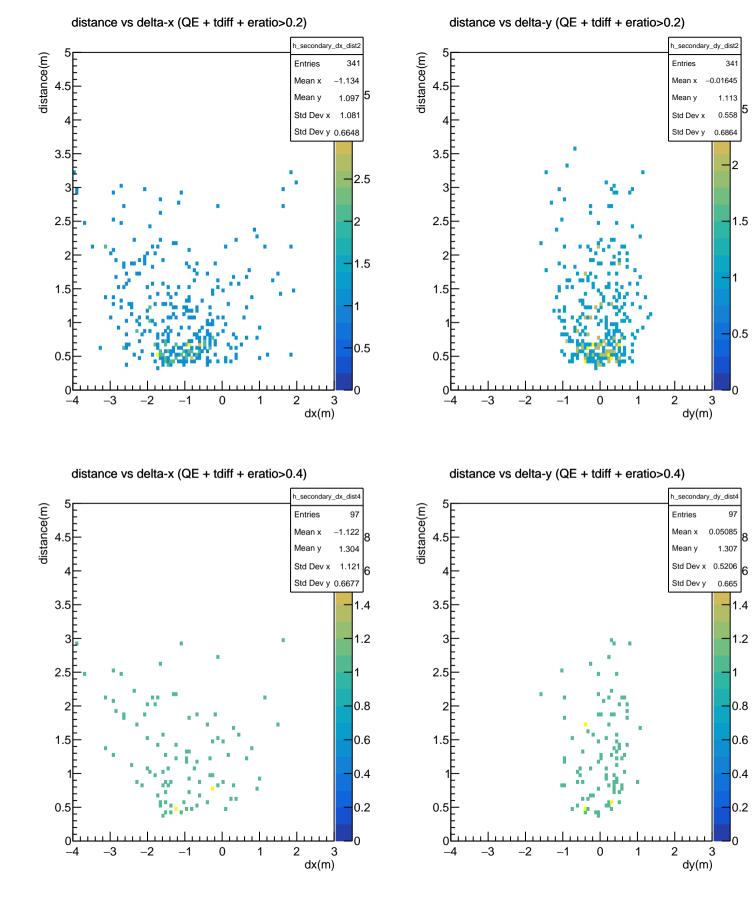
delta-x vs delta-y for secondary clusters (QE + tdiff + eratio>0.6)

h_secondary_dxdy6 dx(m) Entries 0.0298 Mean x Mean y -0.9038 Std Dev x 0.5441 Std Dev y 0.9984 0.7 0.6 0.5 0.4 0.3 -2 0.2 -3 0.1 -3 0 2 3 -2 1

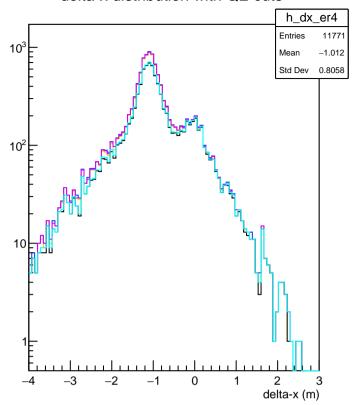
dy (m)

delta-x vs delta-y for secondary clusters (QE + tdiff + eratio>0.8)





delta-x distribution with QE cuts



primary clusters

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

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

- E_{sec}/E_{prim} < 0.2 && antisbs

 $E_{\text{sec}}/E_{\text{prim}} < 0.4 \&\& \text{ antisbs}$