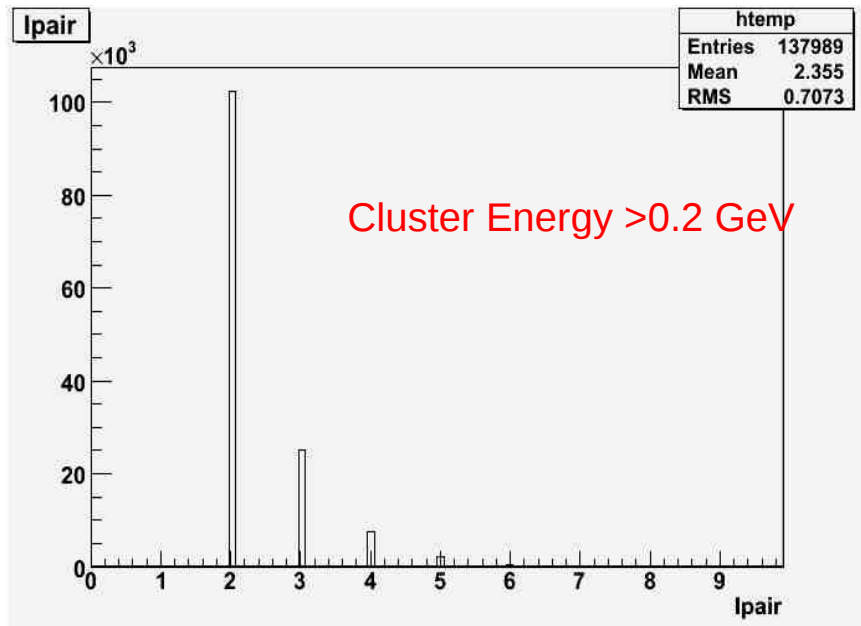


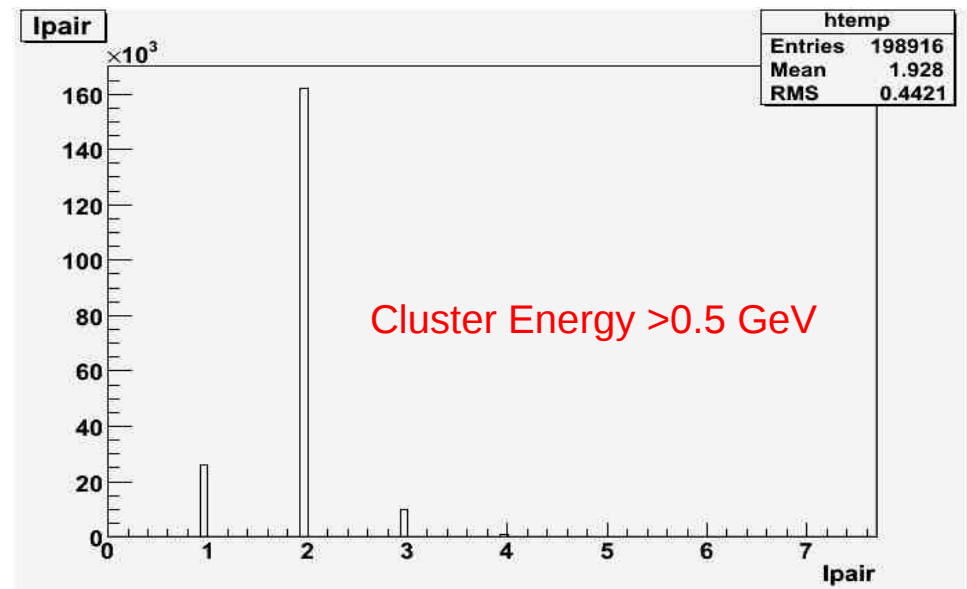
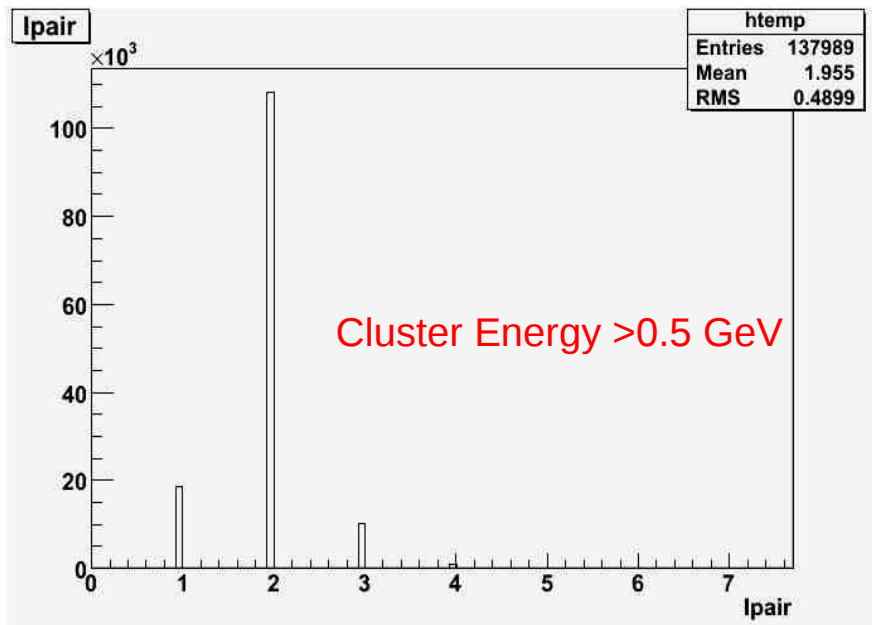
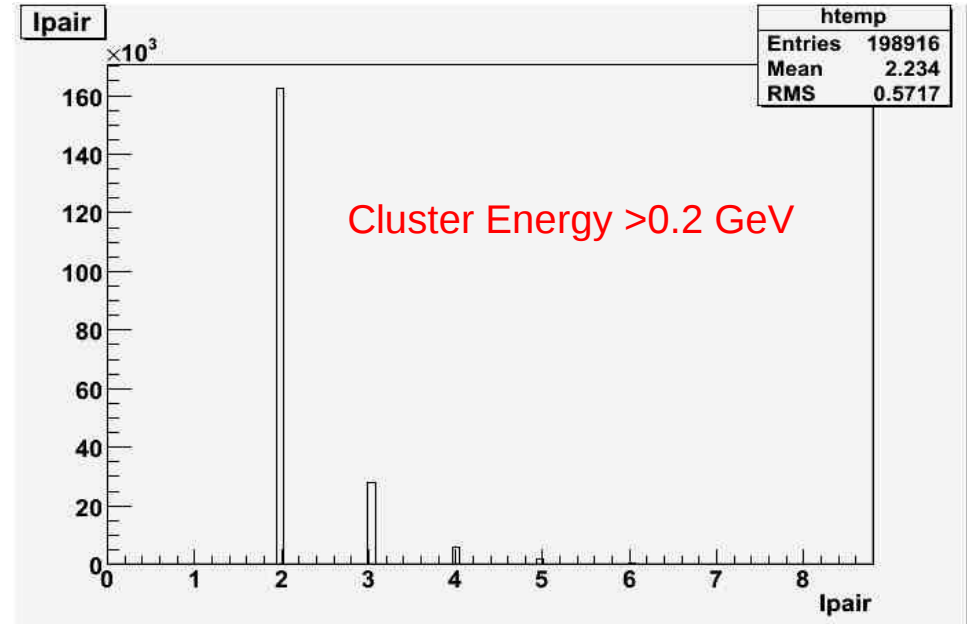
Pi0 data analysis

Lingling
04/20/12

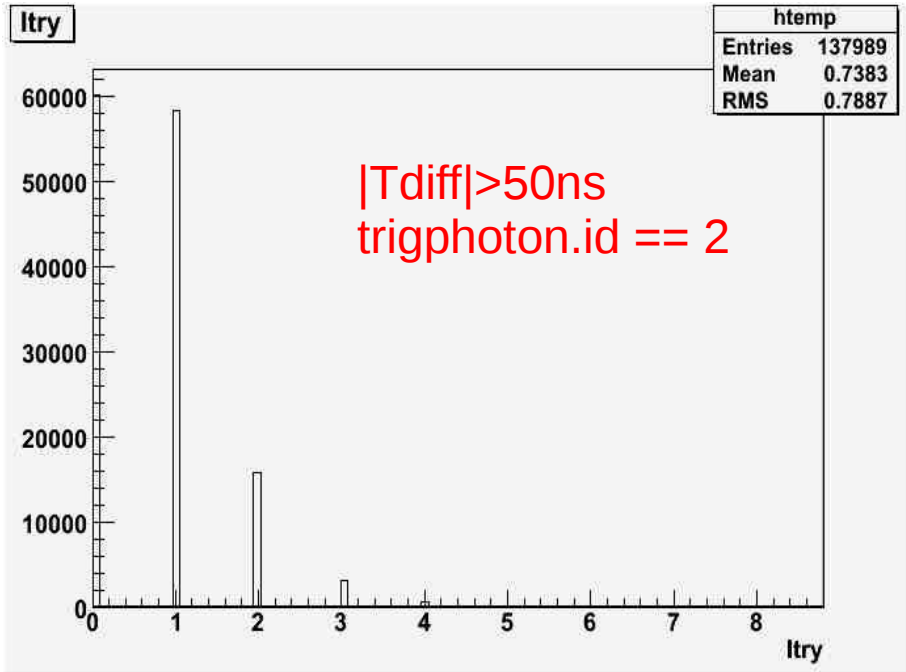
Clusters per event (Run 64720, 10%Si)



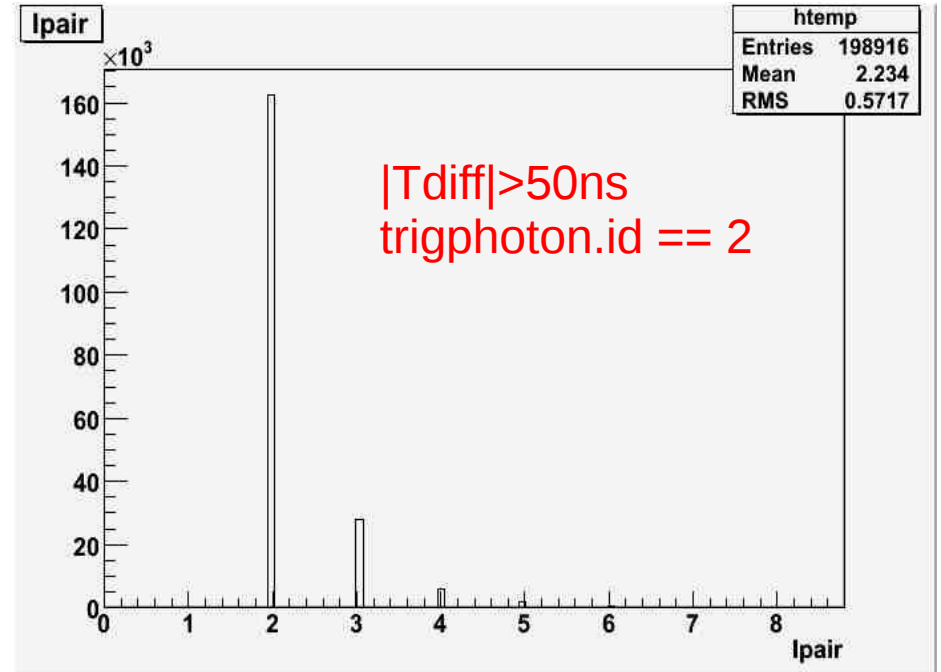
Clusters per event (Run 65014, 10%C)



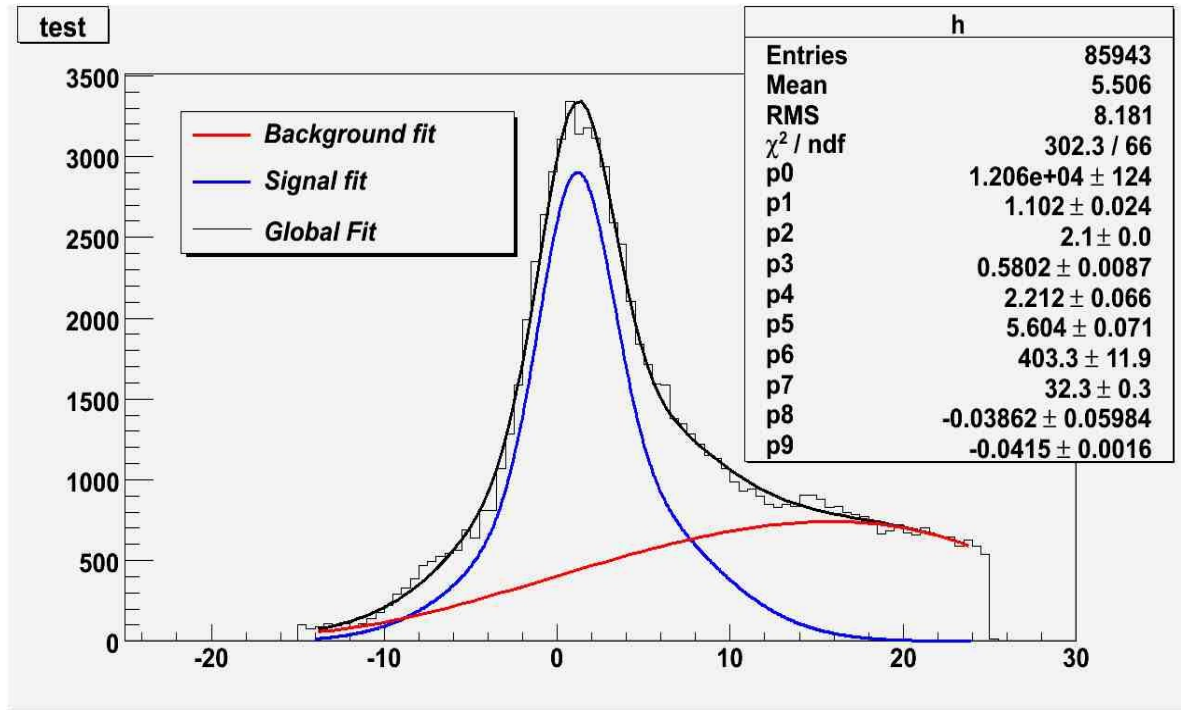
Photons per event (Run 64720, 10%Si)



Photons per event (Run 65014, 10%C)



Tdiff(Run 64714, 10%Si)



Fit parameters:

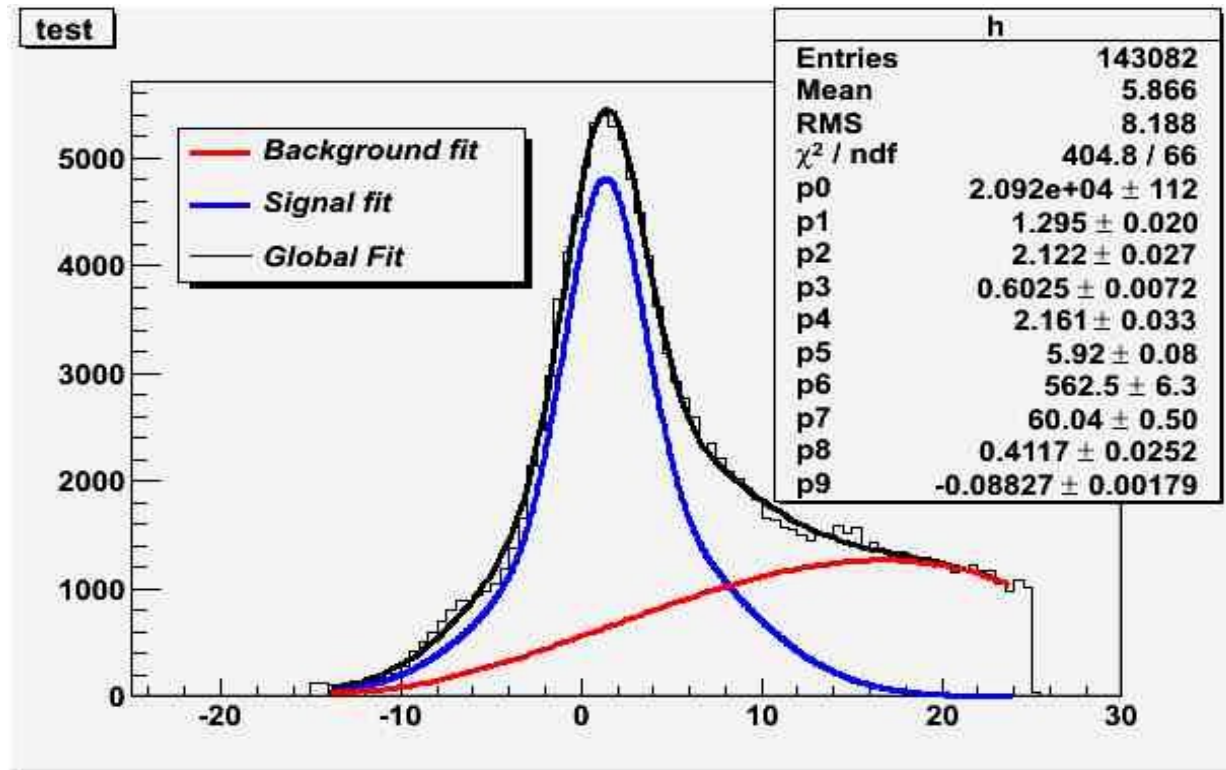
p0 = number of events in both gauss (g1+g2) together
 p1 = first gauss mean
 p2 = first gauss sigma
 p3 = fracton in the second gauss
 p4 = second gauss mean
 p5 = second gauss sigma
 p6...p9 = polynomial background;

Cut conditions: $|Tdiff| > 50\text{ns}$
 trigphoton.id == 2

RMS_global: 4.481 , Mean_global:1.746

	3σ	2σ	σ
Signal/background	2.00204	2.78352	4.32904

Tdiff(Run 65035, 10%C)



RMS_global: 4.786 , Mean_global:1.817

	3σ	2σ	σ
Signal/background	2.16177	3.05103	4.78678