Subject: Re: prespec data analysis package
Posted by miree on Tue, 15 Jul 2014 11:37:23 GMT
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I believe that this is the correct combination of crystal-id and TDC channel. But it doesn't look right yet. However, it doesn't look completely wrong. I have marked in red the uncorrelated events and in green the ones that seem to look OK. You have somehow good and bad events in the histogram.

All of the relevant timing measurements in this part of the experiment are done with CAENv1290 multihit TDCs. "multihit" means, that every channel can contain multiple time measurements. You have to select (by putting an appropriate gate) the right hits from each channel.

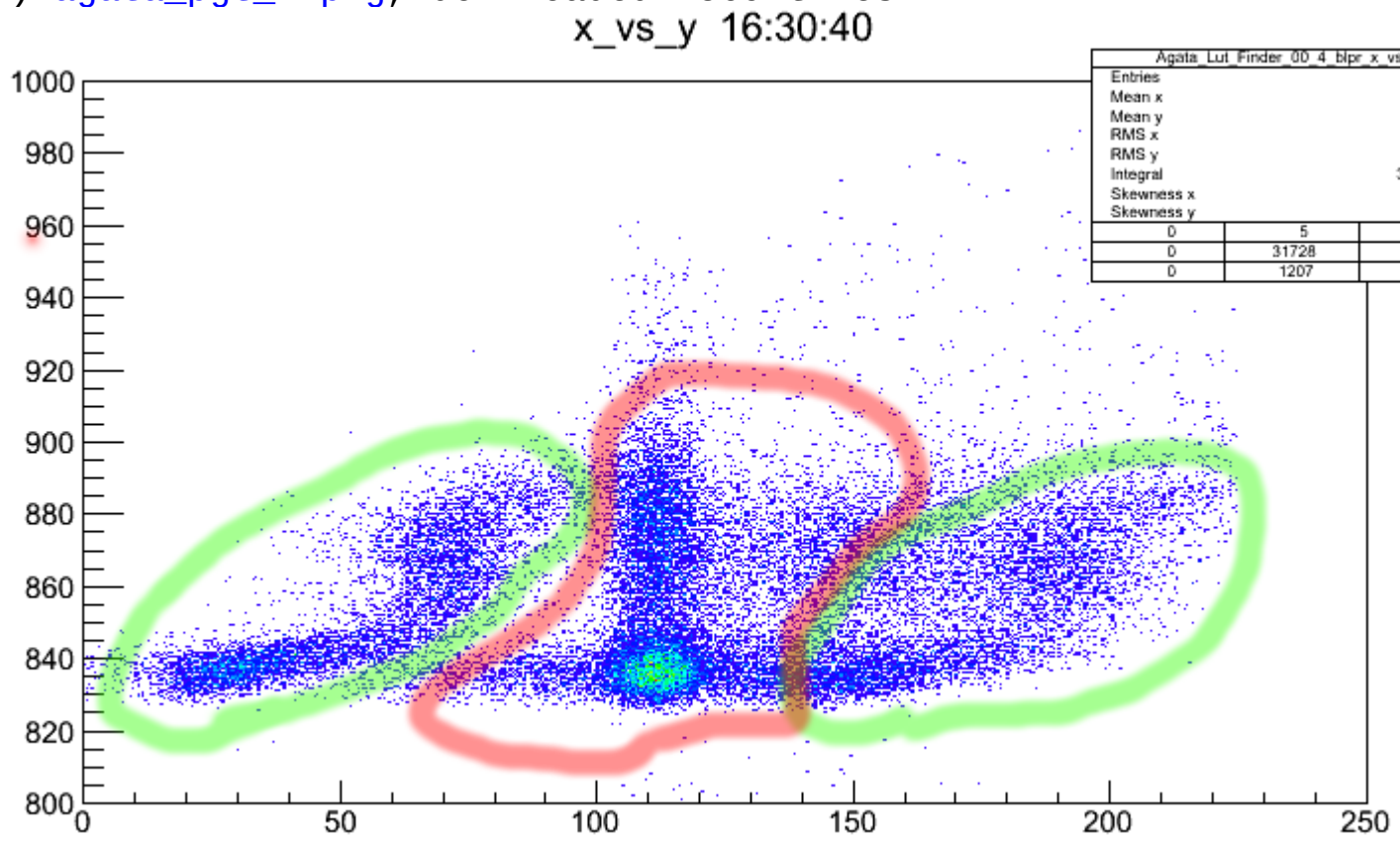
This is done by setting a gate for each multihit-tdc channel. For example you have to set the gate of the processor "Agata/Sc41Time" to cover the peak that you see in the spectrum:

The same has to be done with all the gates in the processor "Agata/ParticleGammaTime".

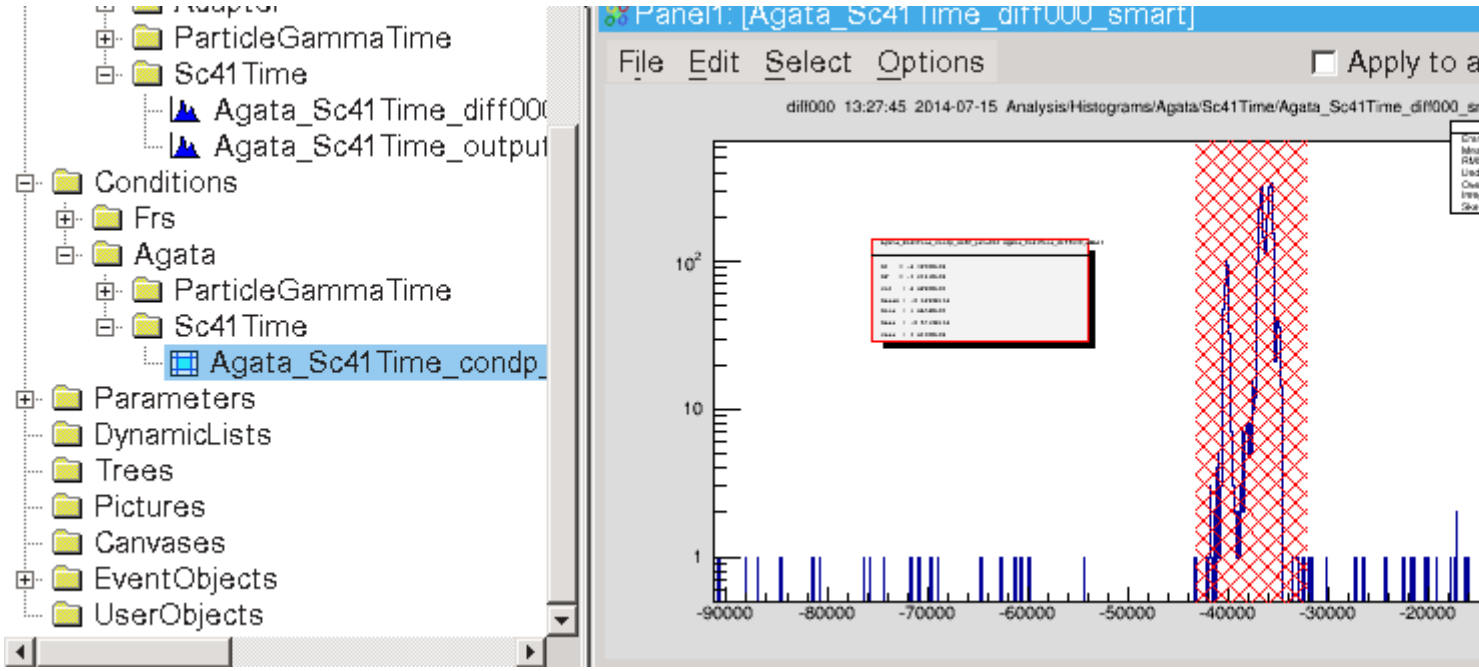
If you adjusted all the gates, you should see in one of the psa-time vs multihit-time a clear correlation (that is similar to the green part in the first picture, if you zoom in)

File Attachments

1) agata_pgt_2.png, downloaded 1569 times



2) agata_pgt_mhtimegate.png, downloaded 1589 times


ParticleGammaTime
Sc41Time
Agata_Sc41Time_diff000
Agata_Sc41Time_output
Conditions
Frs
Agata
ParticleGammaTime
Sc41Time
Agata_Sc41Time_condp_
Parameters
DynamicLists
Trees
Pictures
Canvases
EventObjects
UserObjects
Panel1: [Agata_Sc41Time_diff000_smart]
File Edit Select Options
Apply to a
diff000 13:27:45 2014-07-15 Analysis/Histograms/Agata/Sc41Time/Agata_Sc41Time_diff000_s
10²
10
1
-90000
-80000
-70000
-60000
-50000
-40000
-30000
-20000