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Subject: Re: Multihit TDCs in the PreSPEC setup (CAENV1290)

Posted by [miree](#) on Wed, 26 Aug 2015 19:09:07 GMT

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Hi Tayfun,

With the v1290 multihit-TDC the full resolution of 25ps is only achieved for channel differences. If you make a histogram of one single multihit-TDC channel, it will always show the time distribution of the signal that was put into the channel, but folded with a ~25ns wide jitter. Because the jitter is identical on all channels, it disappears when you look at channel differences.

Concerning your trigger signal: You should see a spike - folded with a 25ns wide jitter signal - which gives a 25ns wide peak.

Michael

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