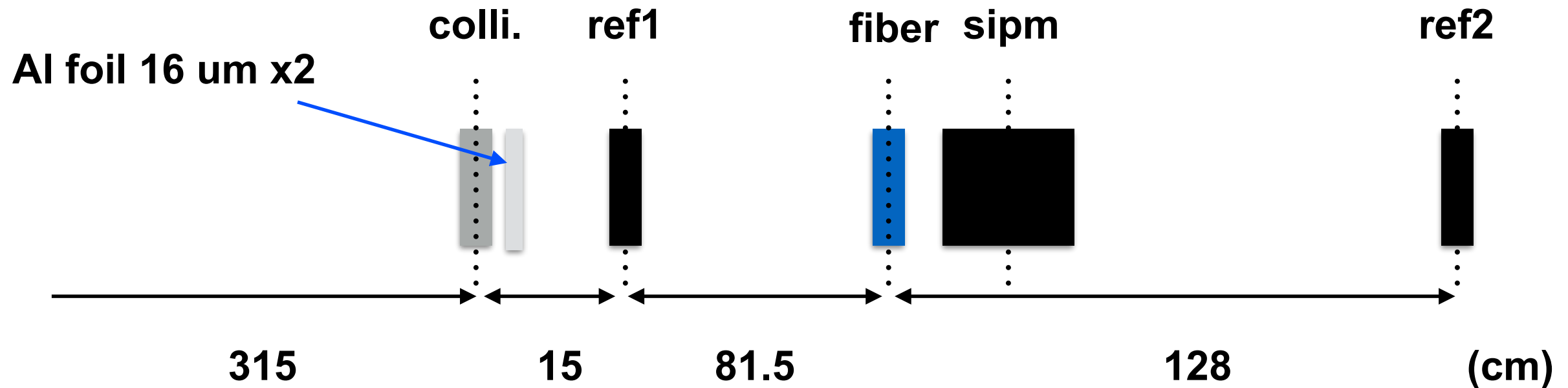
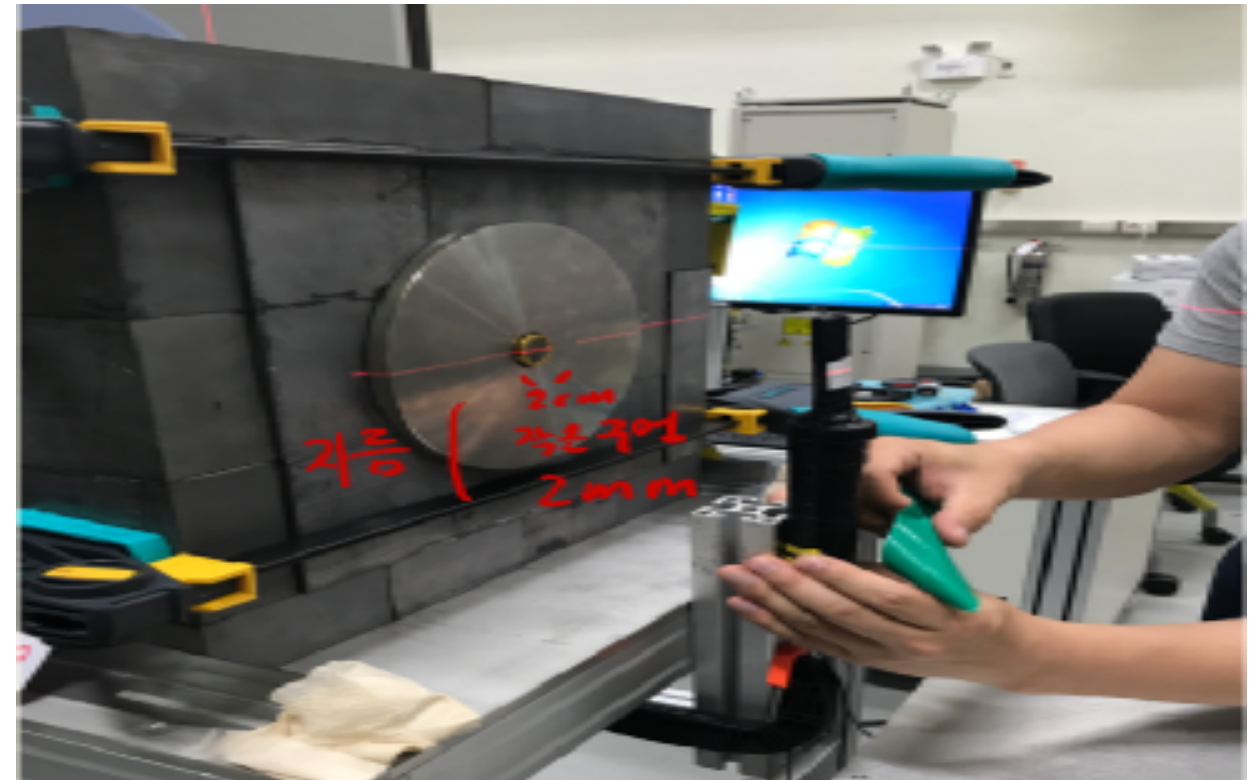
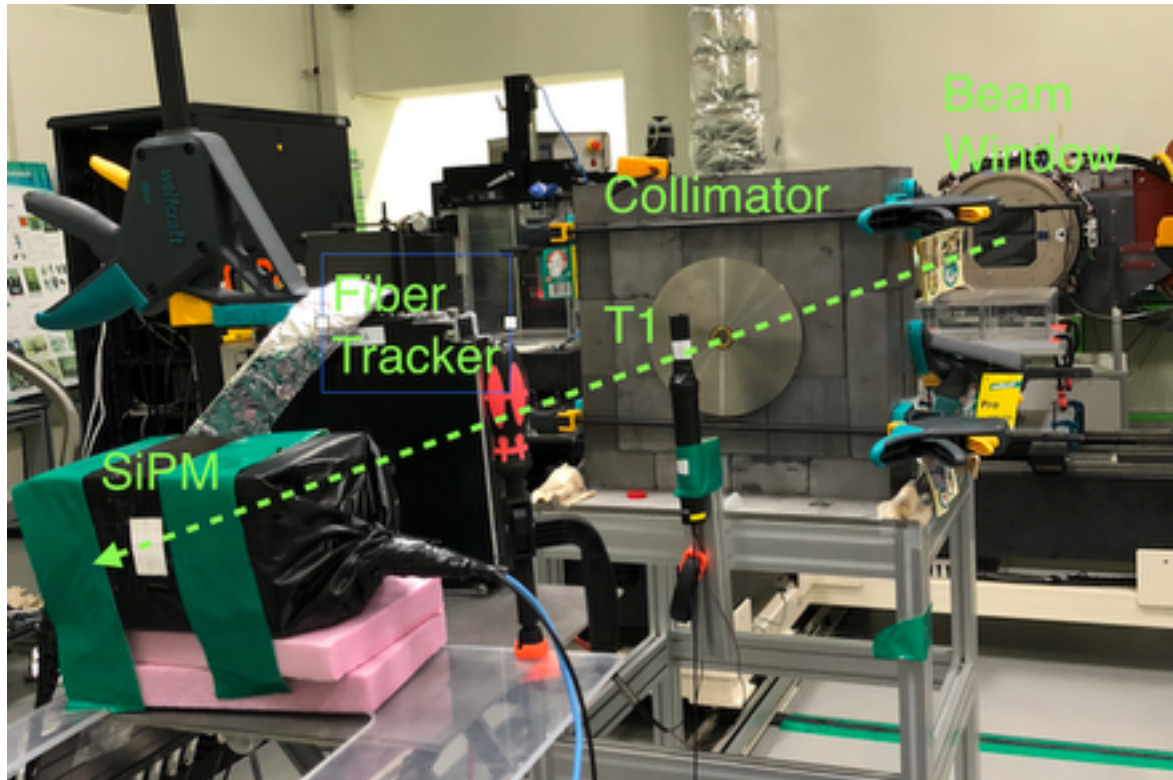


HANUL MEETING

KRISS Beam Test

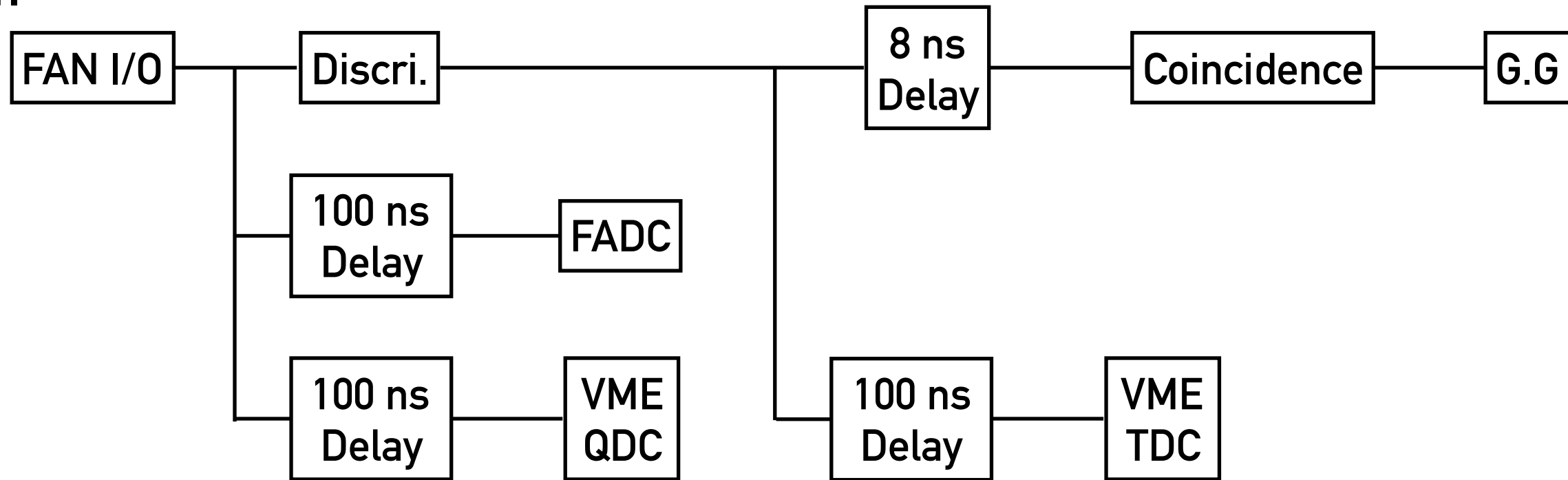
Korea Univ.
Wooseung Jung

KRISS SETUP



KRISS SETUP

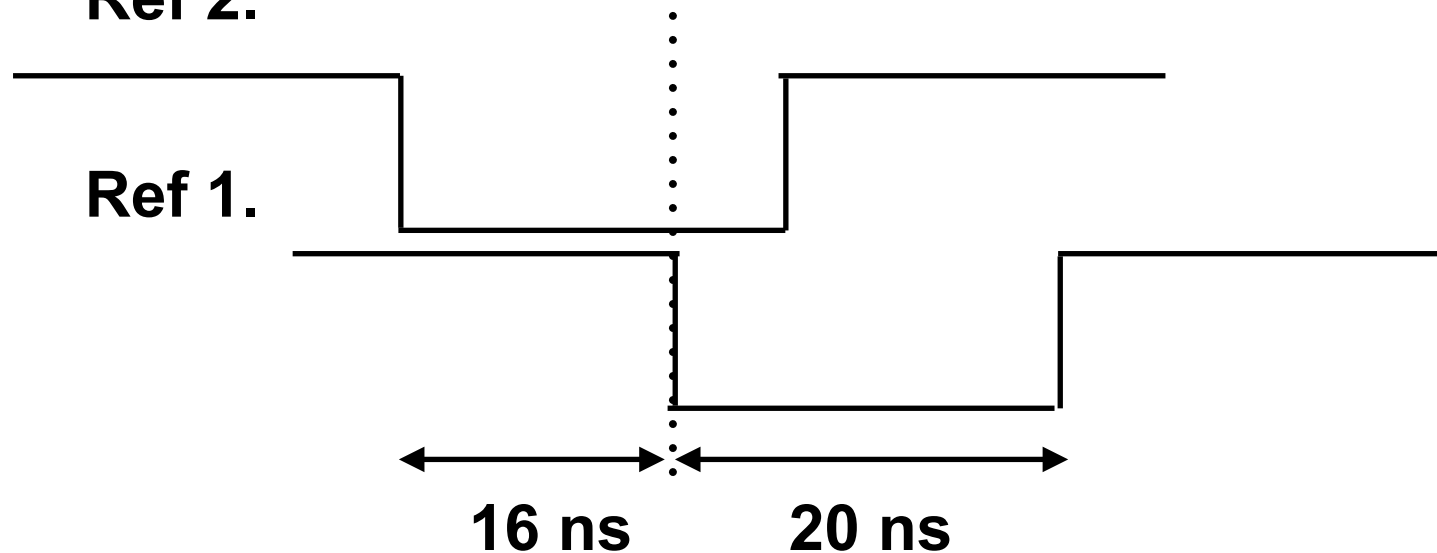
Ref 1.



Coincidence

Ref 2.

Ref 1.



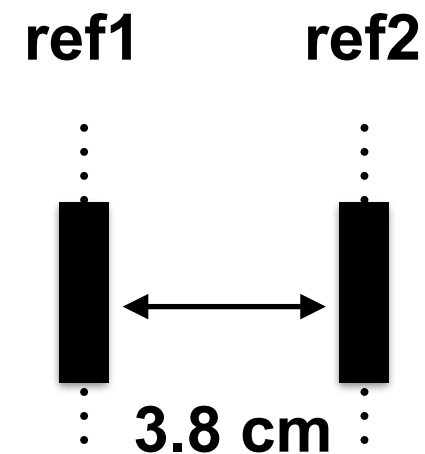
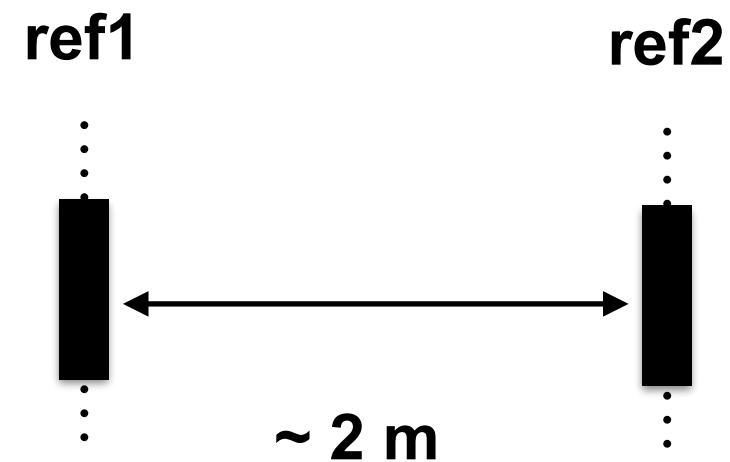
- G.G output width 100 ns
- Coincidence output width 150 ns
- Discriminator thr. 50 mV (ref.1, ref.2)

SIGNIFICANT RUNS

Common conditions

- Beam size : 1 cm x 1 cm
- PRF : 200 Hz
- Off-axis : 1 cm

Date	Run#	Energy
5/24	23	6 MeV
	21	15 MeV
	26	18 MeV
5/25	31	15 MeV

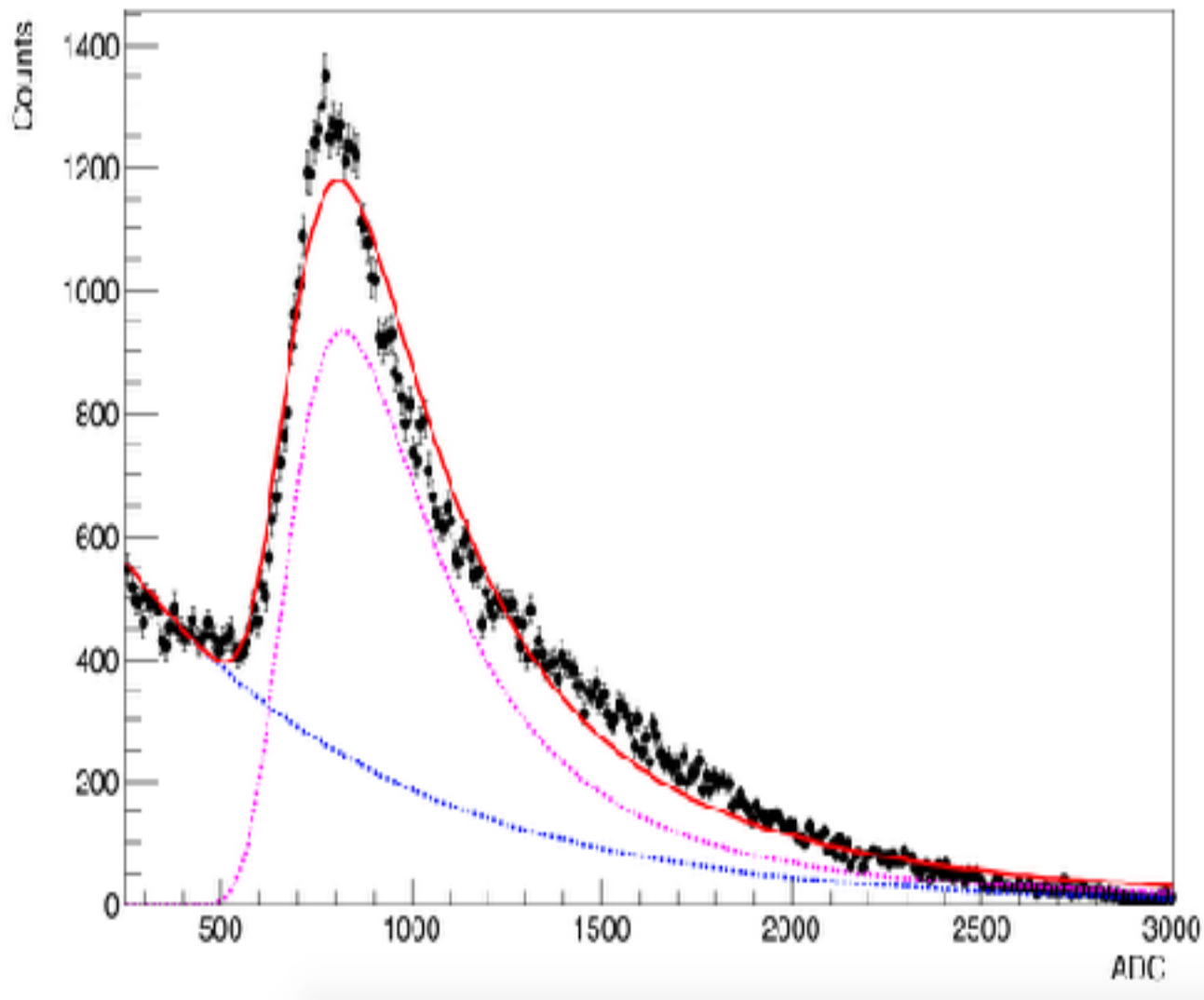


RUN 31

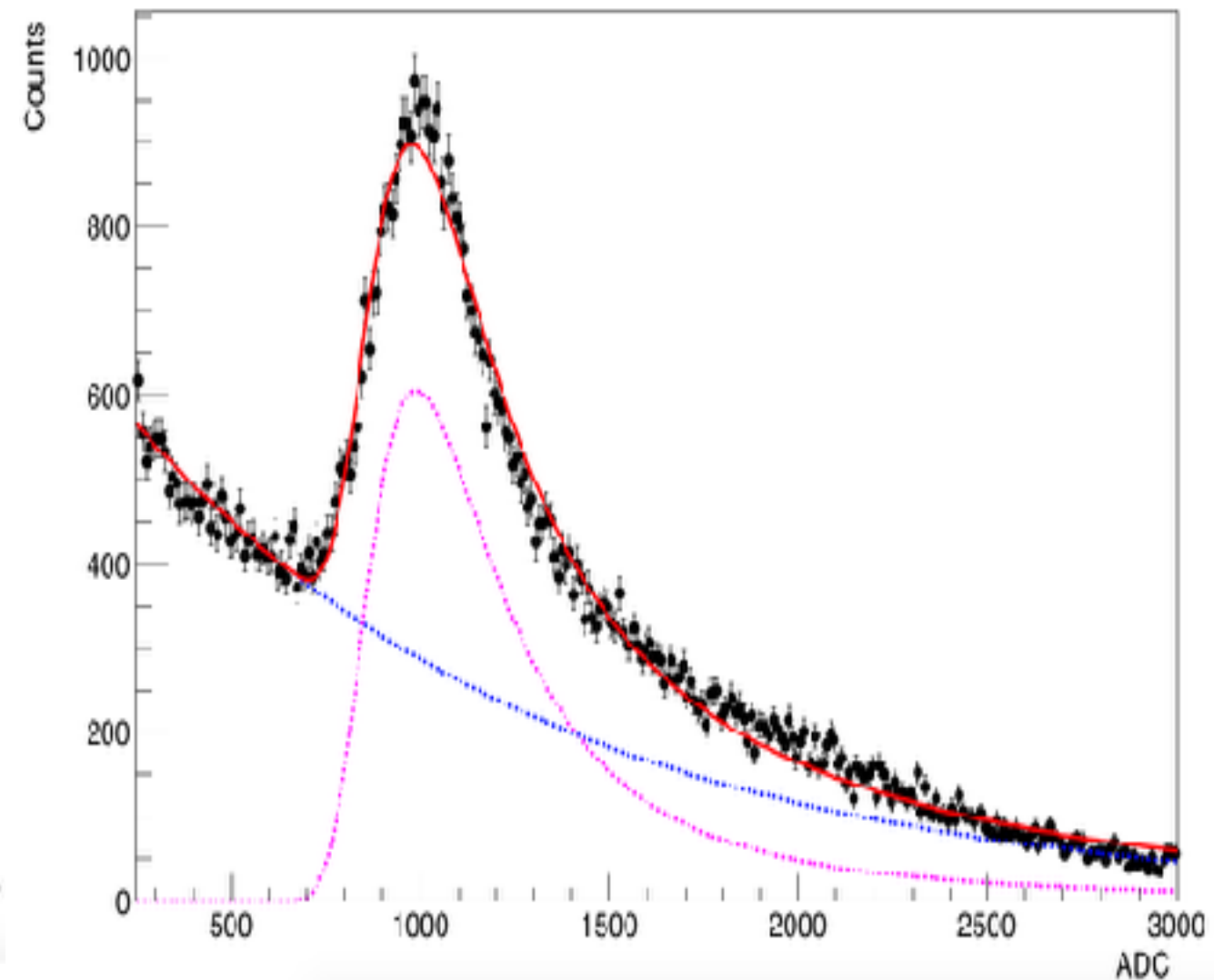
ADC histograms

Fitting function : Landau(signal) + Expo(background)

A RooPlot of "ADC ch #14"



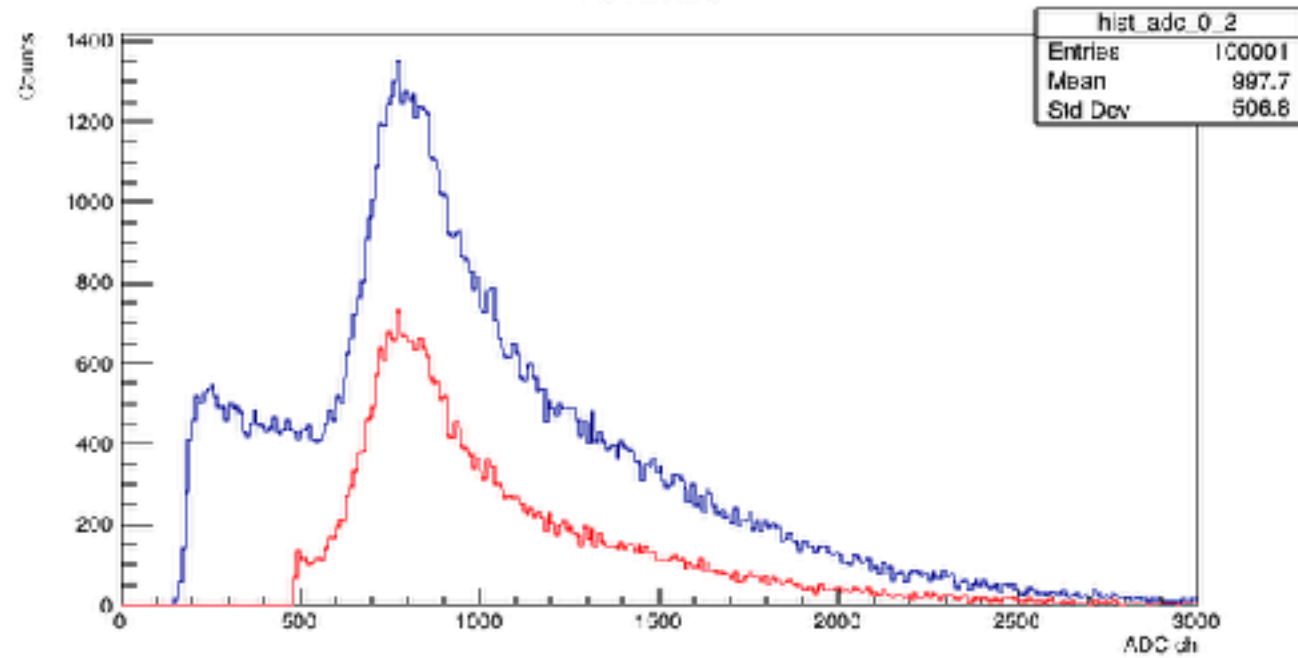
A RooPlot of "ADC ch #15"



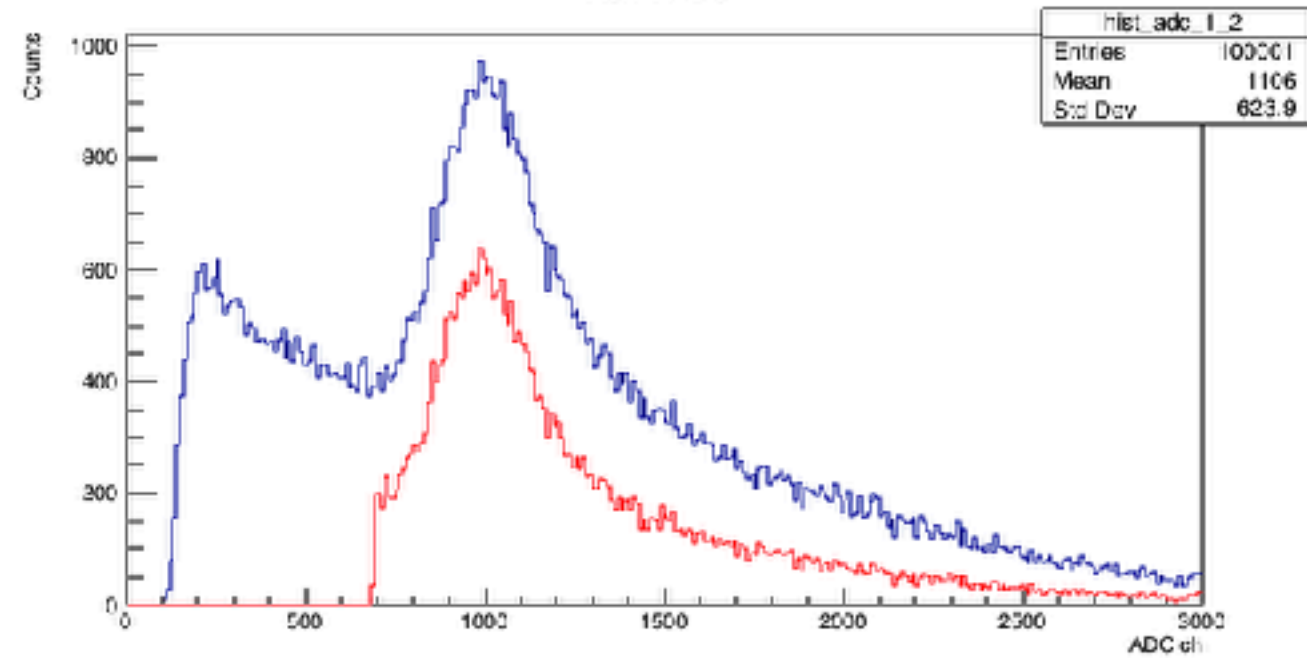
RUN 31

ADC & TDC histograms

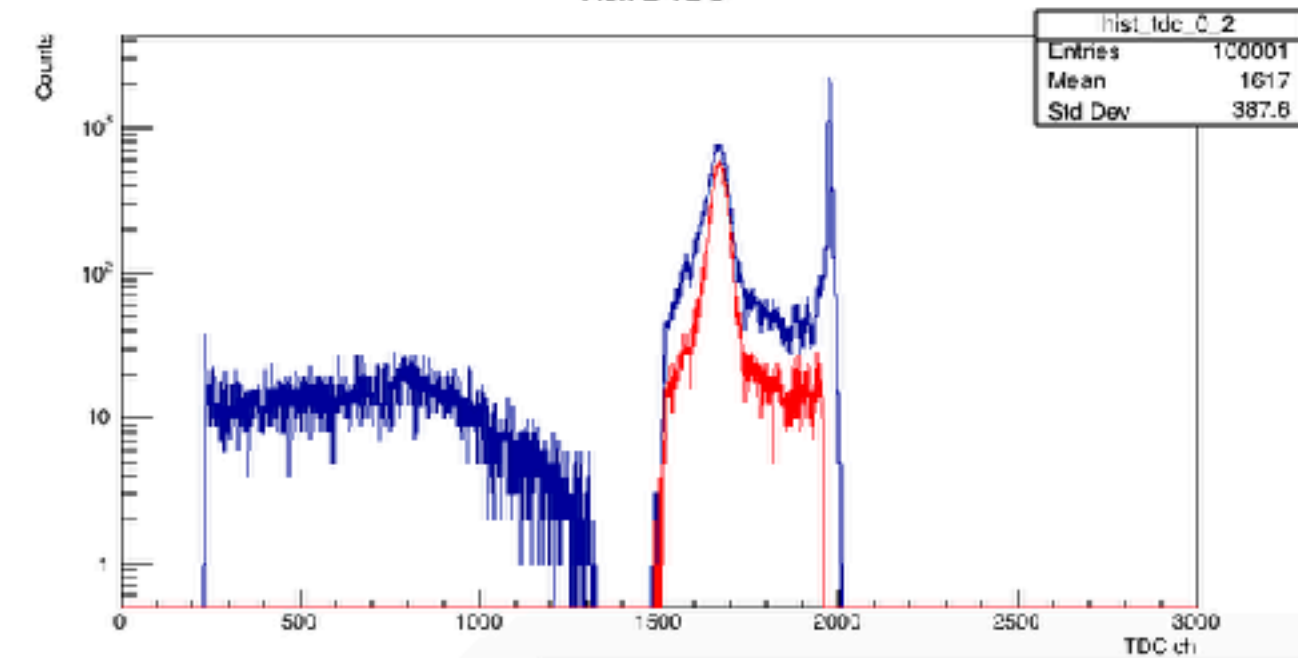
Ref. 2 ADC



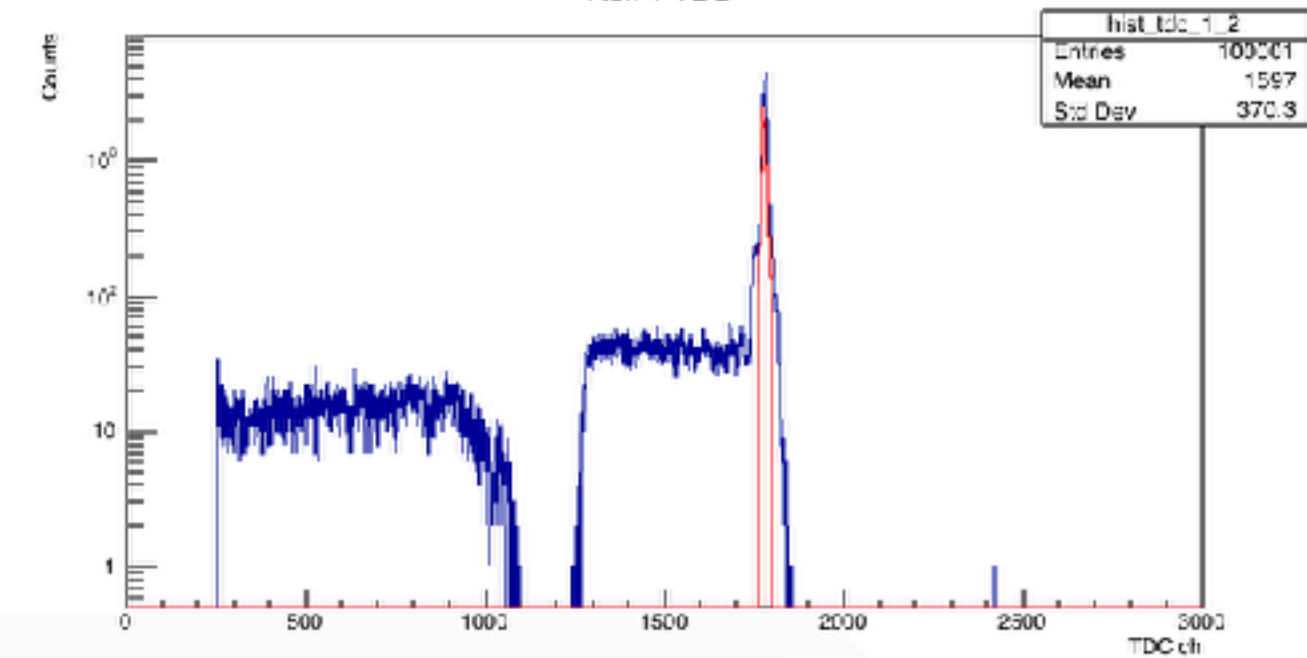
Ref. 1 ADC



Ref. 2 TDC



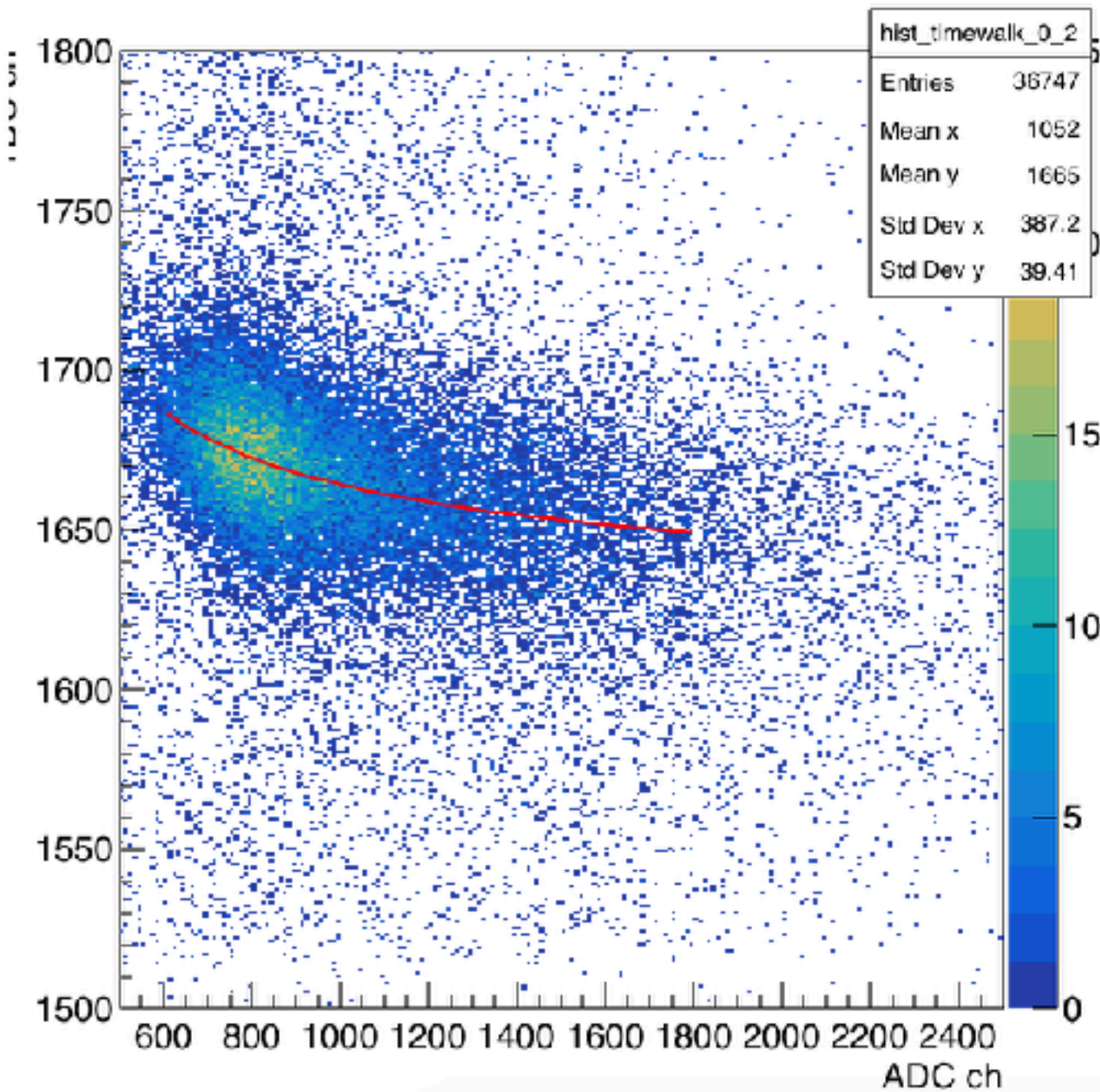
Ref. 1 TDC



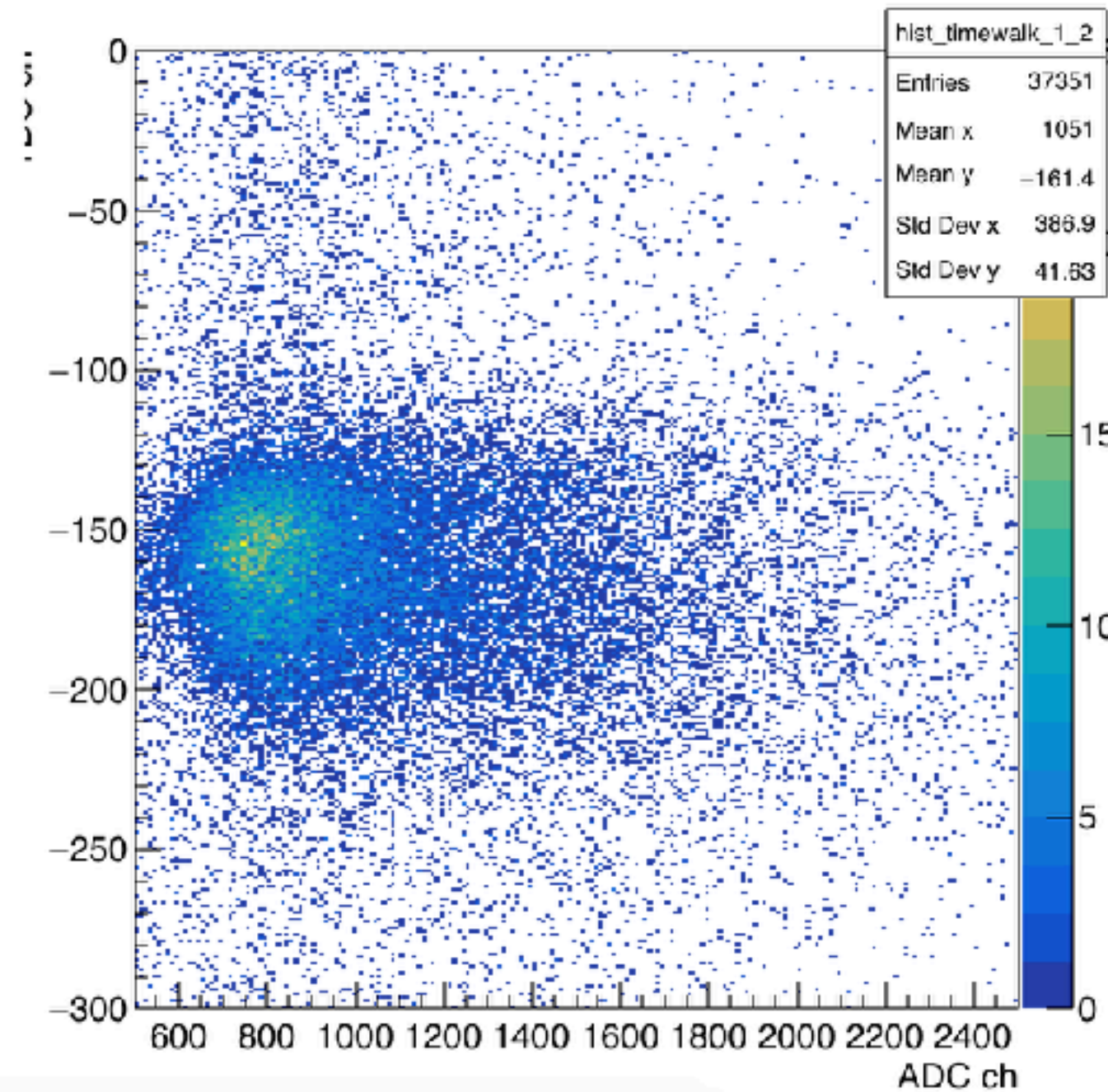
RUN 31

Slewing correction

TDC:ADC

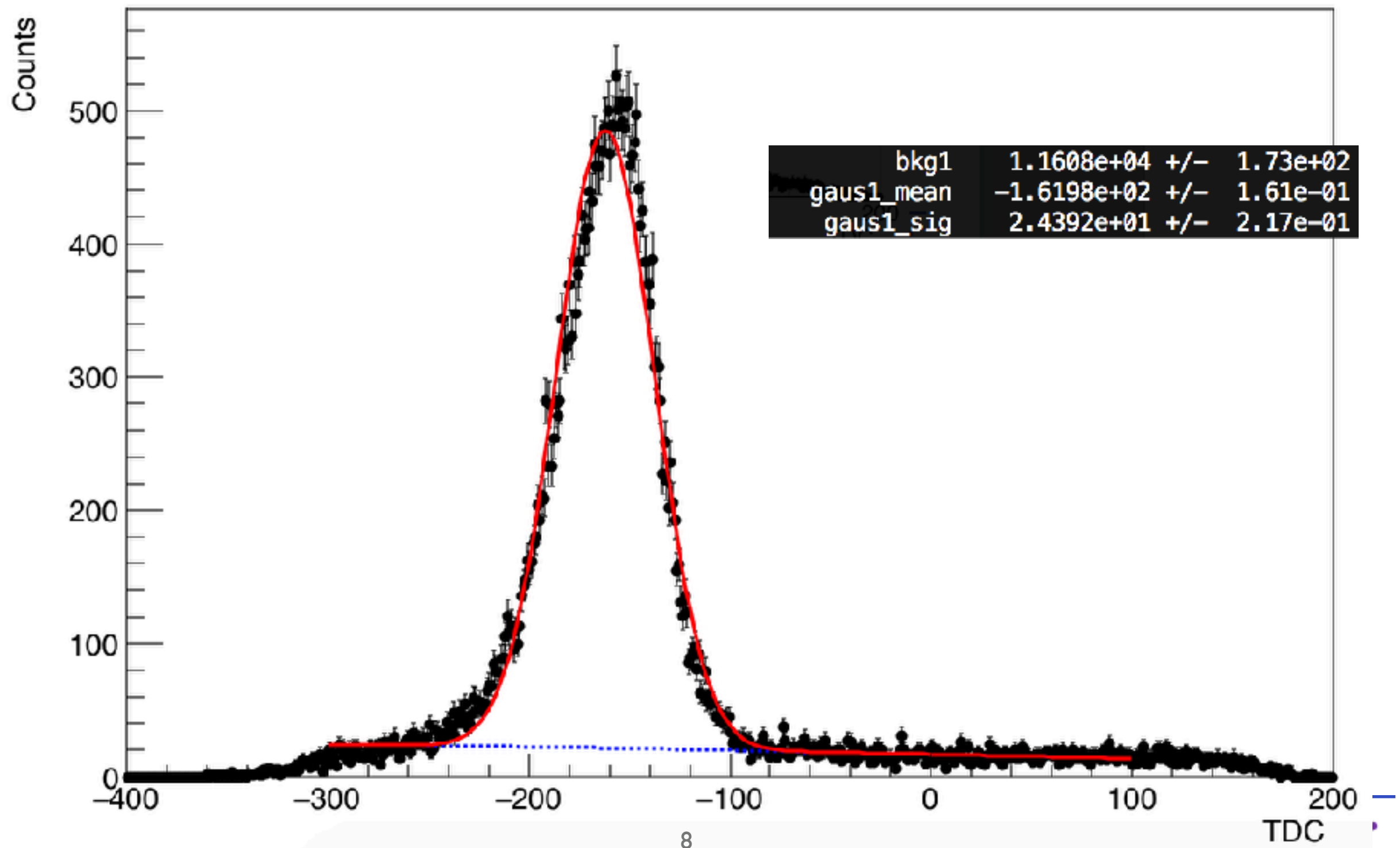


TDC:ADC



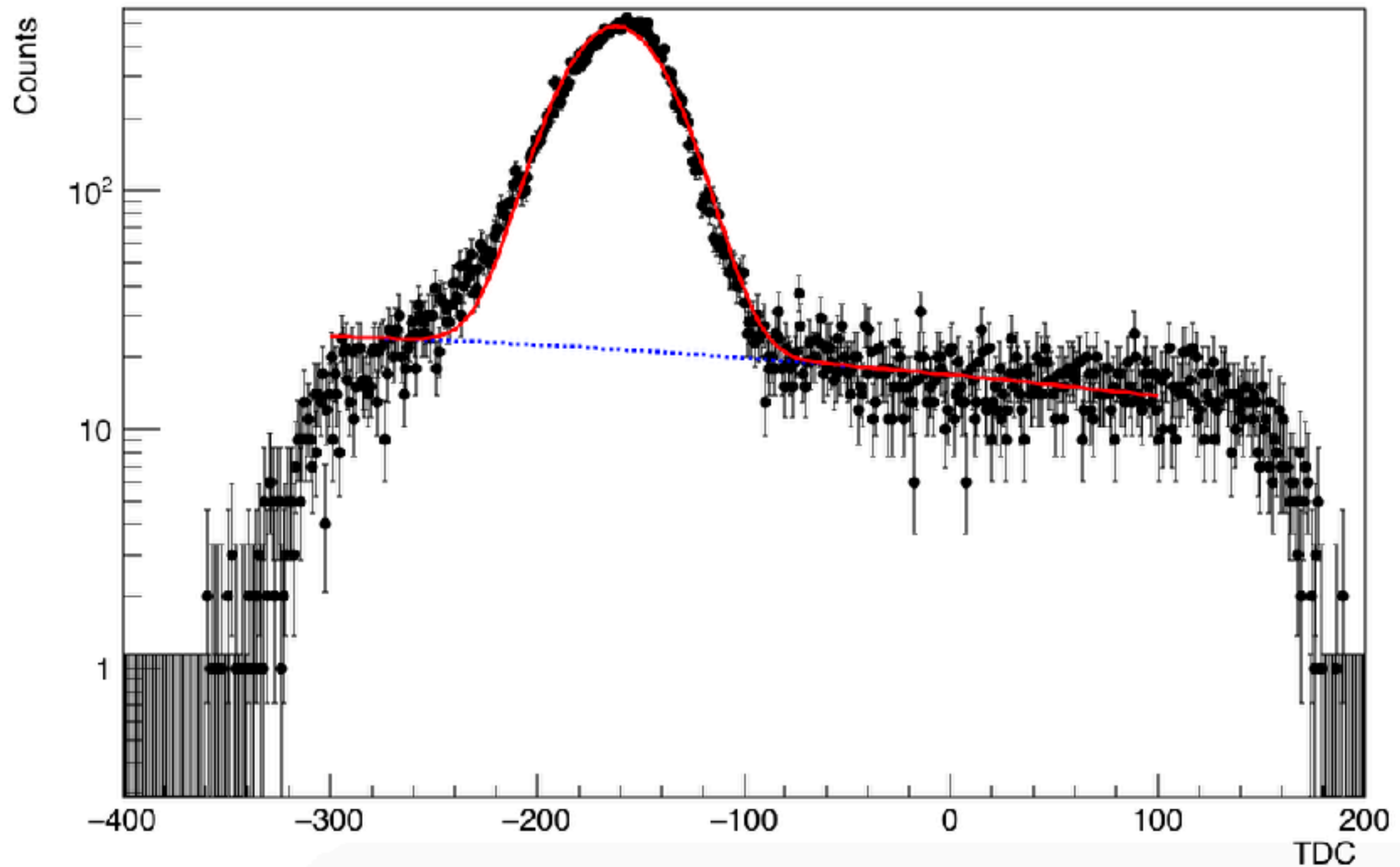
RUN 31

A RooPlot of "ref2 TDC - ref1 TDC "



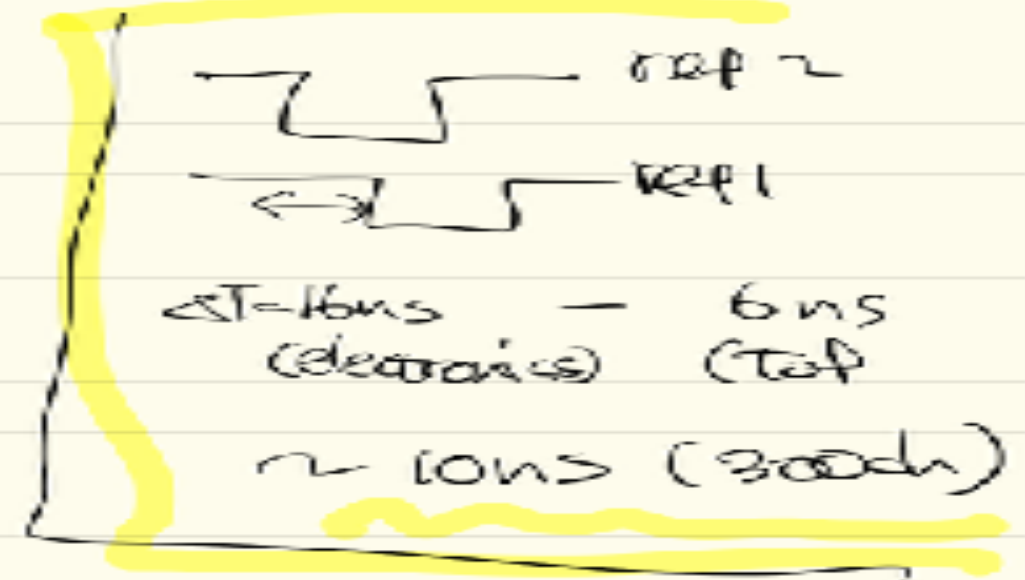
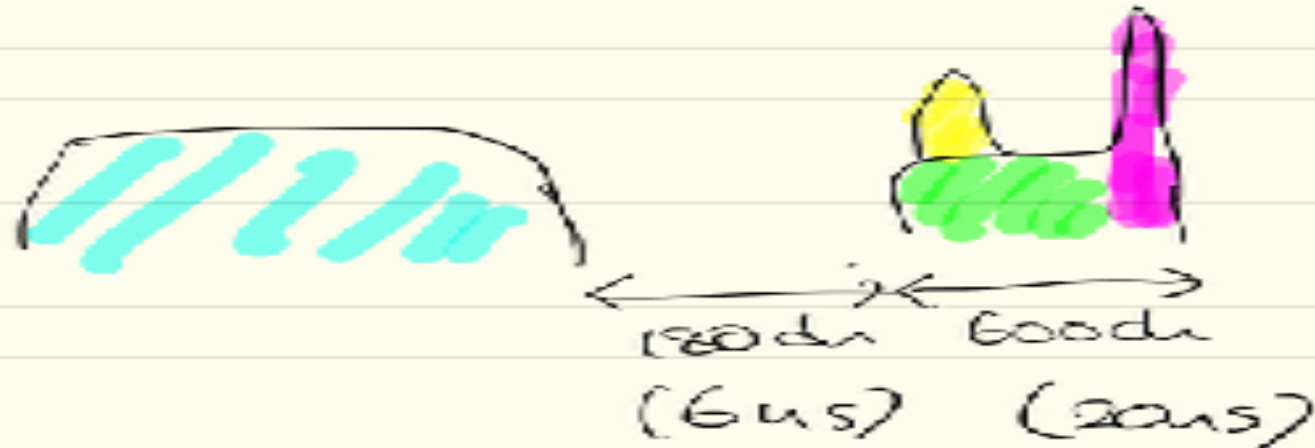
RUN 31

A RooPlot of "ref2 TDC - ref1 TDC "

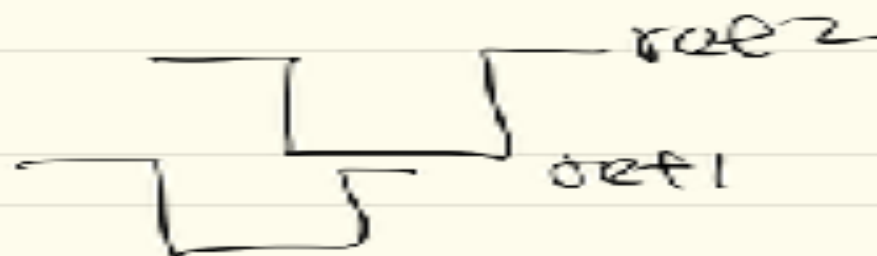


DISCUSSION

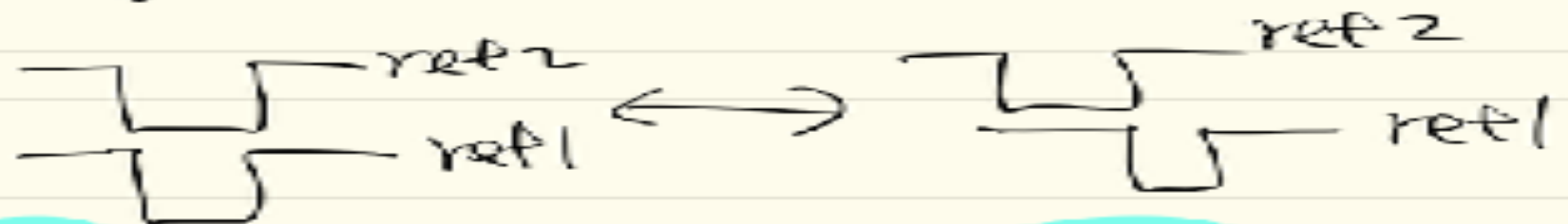
ref 2 TDC



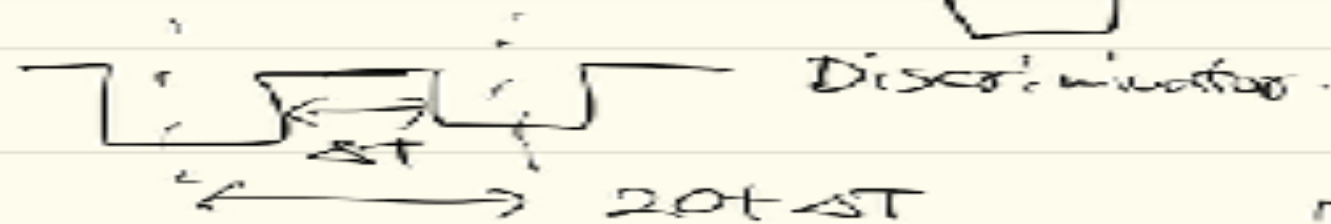
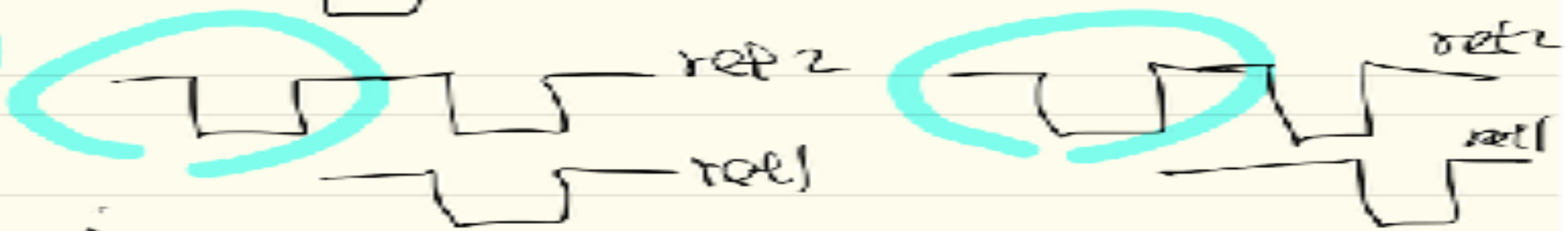
Case 1



Case 2



Case 3



If $\Delta t = 6ns$,
repetition rate $\sim 40MHz$