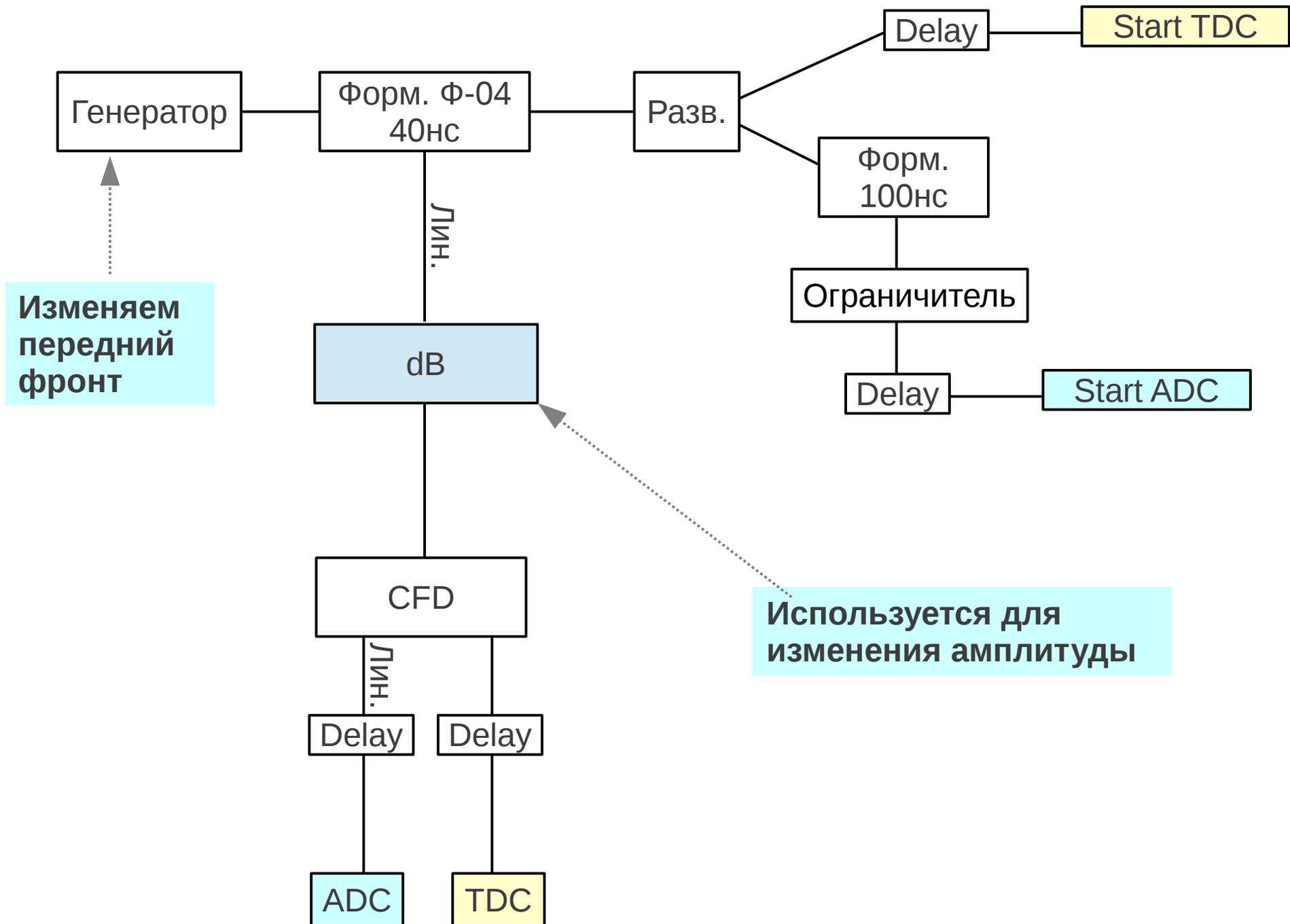


CFD

Общая Схема





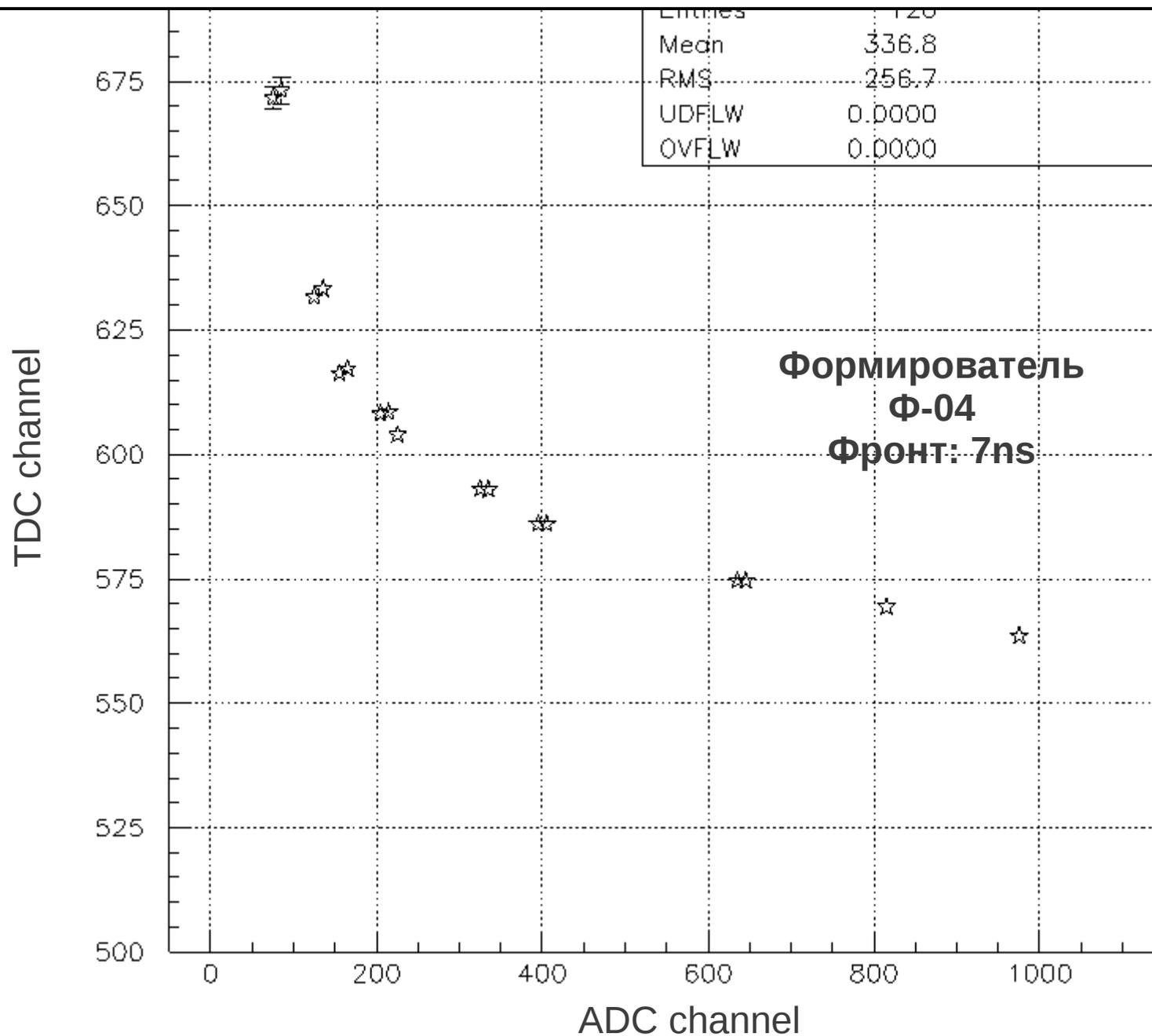
Реальный сигнал с SiPM

Разная цена деления!



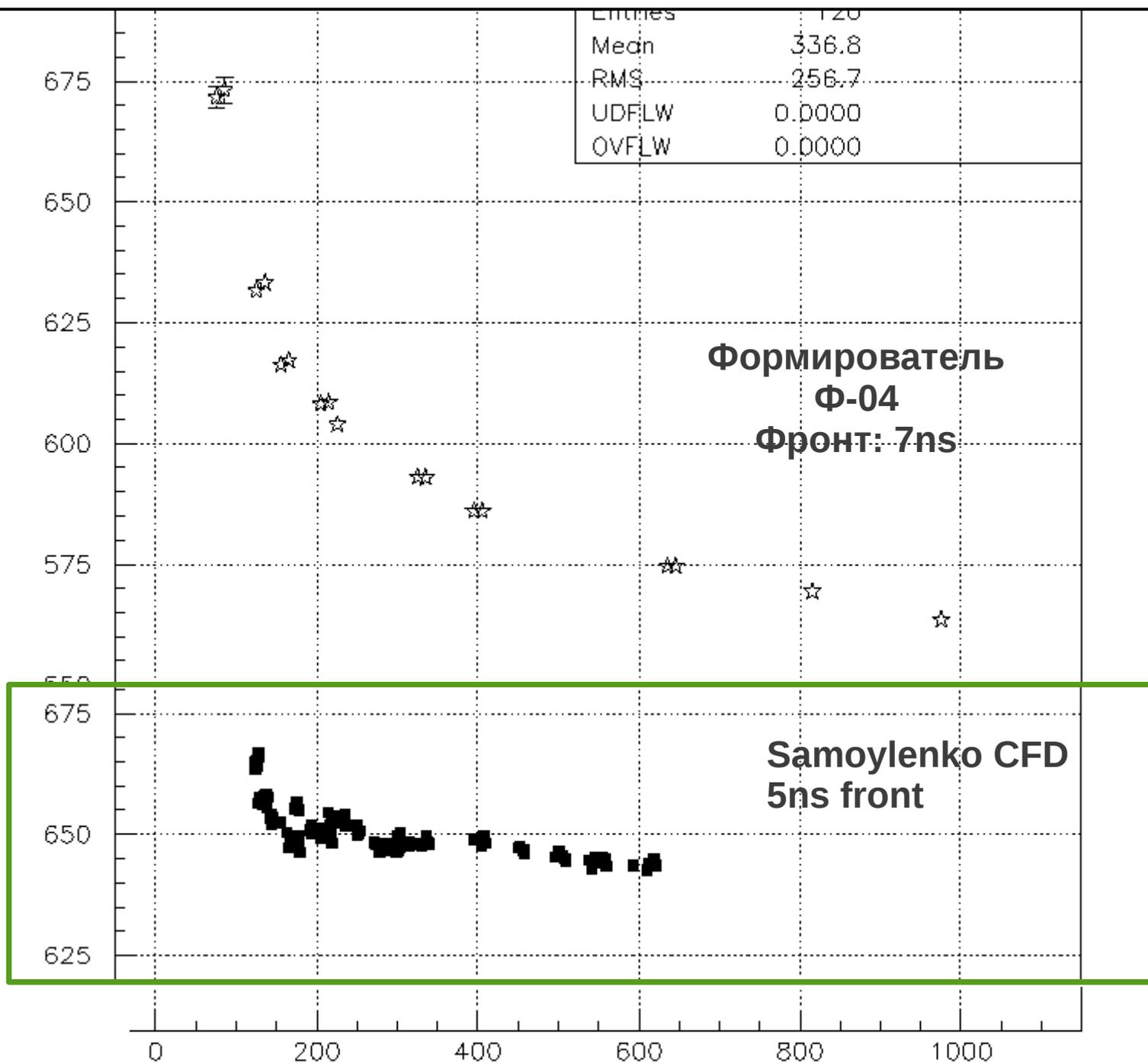
Амплитуда 900mV $\frac{dB}{20mV}$
 Leading 5ns
 Trailing 20ns

T vs A используя формирователь Ф-04

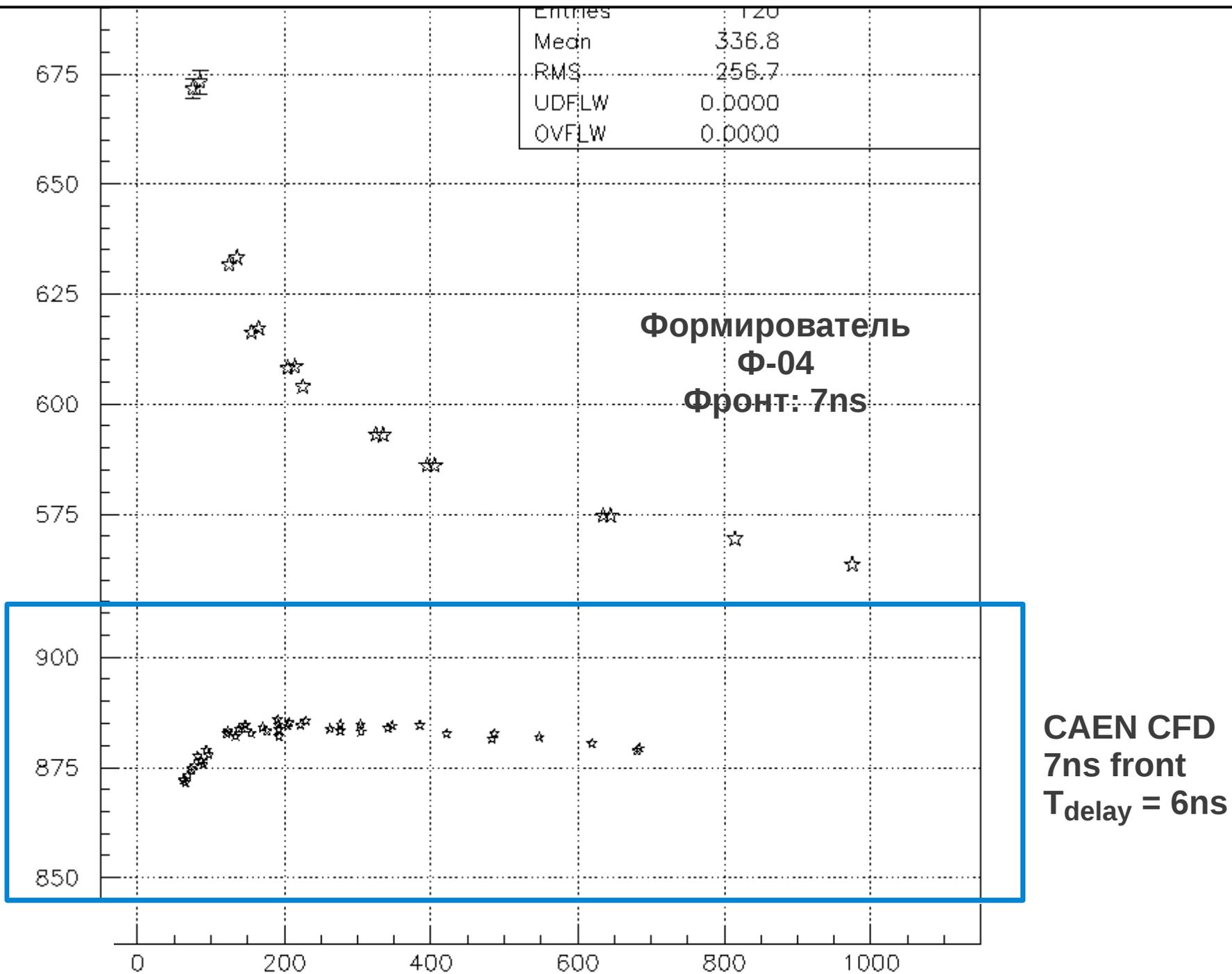


1 tdc channel = 45 ps

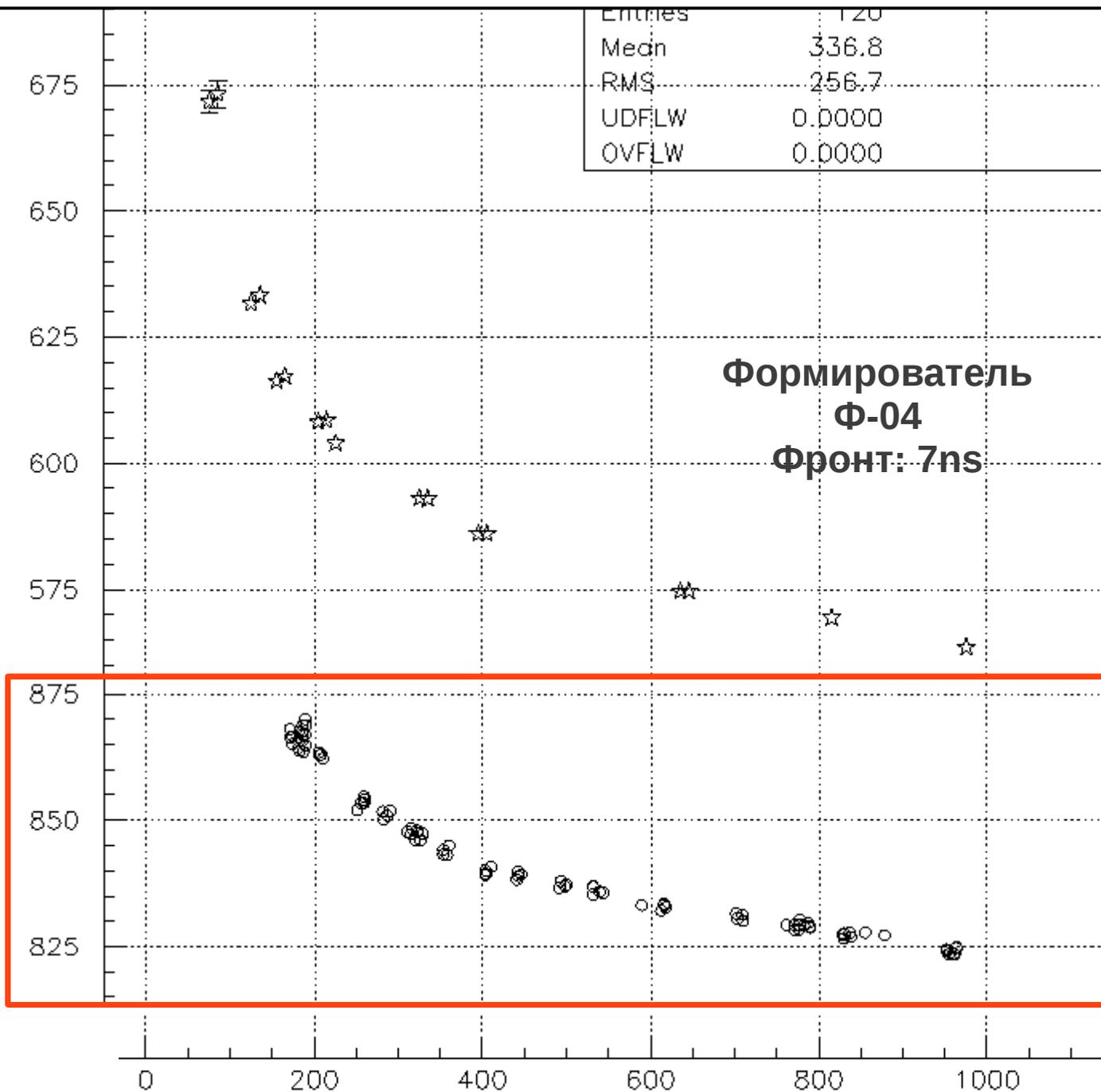
T vs A для Ф-04 и CFD "Samoylenko"



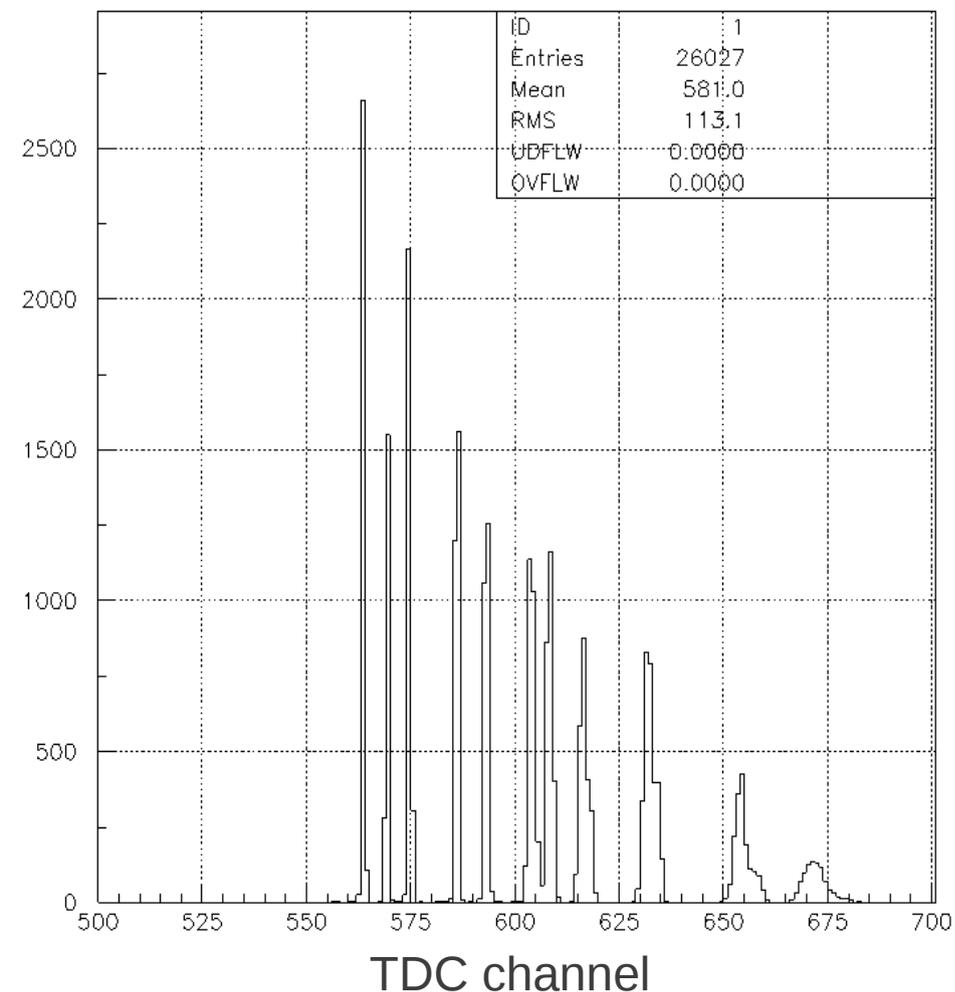
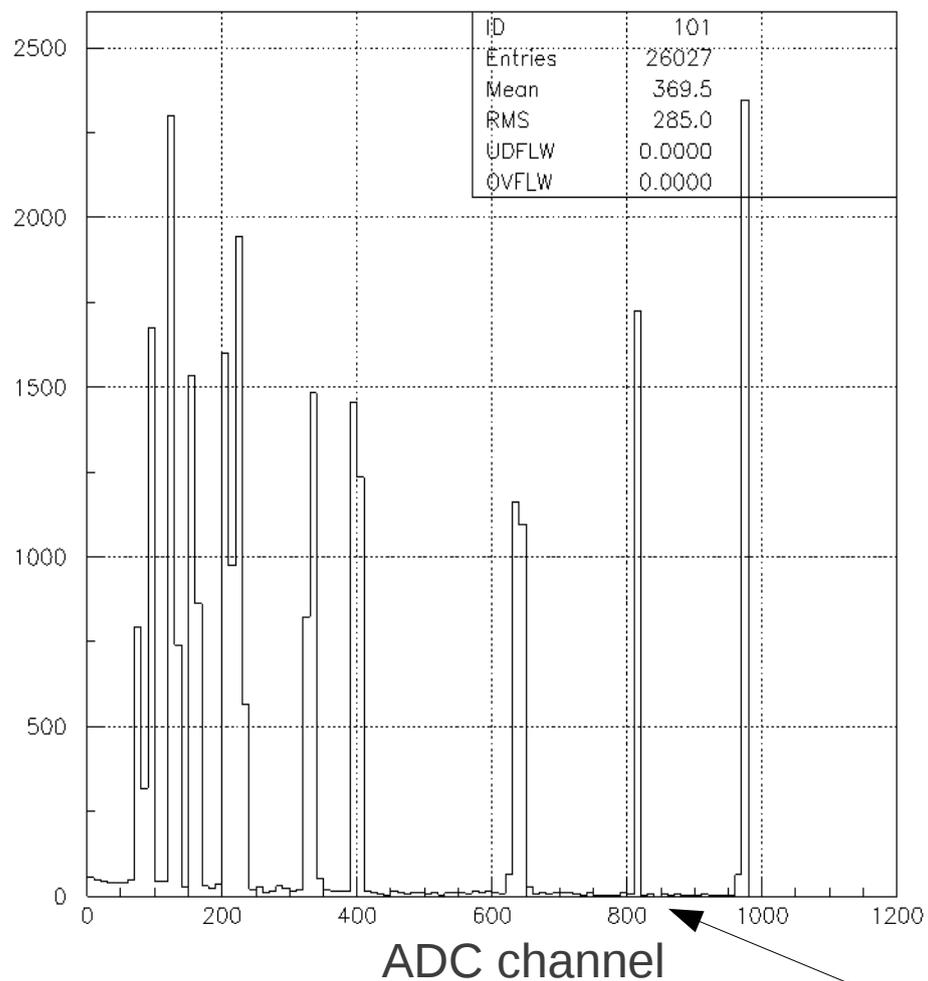
T vs A для Ф-04 и CFD "CAEN"



T vs A для Ф-04 и CFD ОЭА



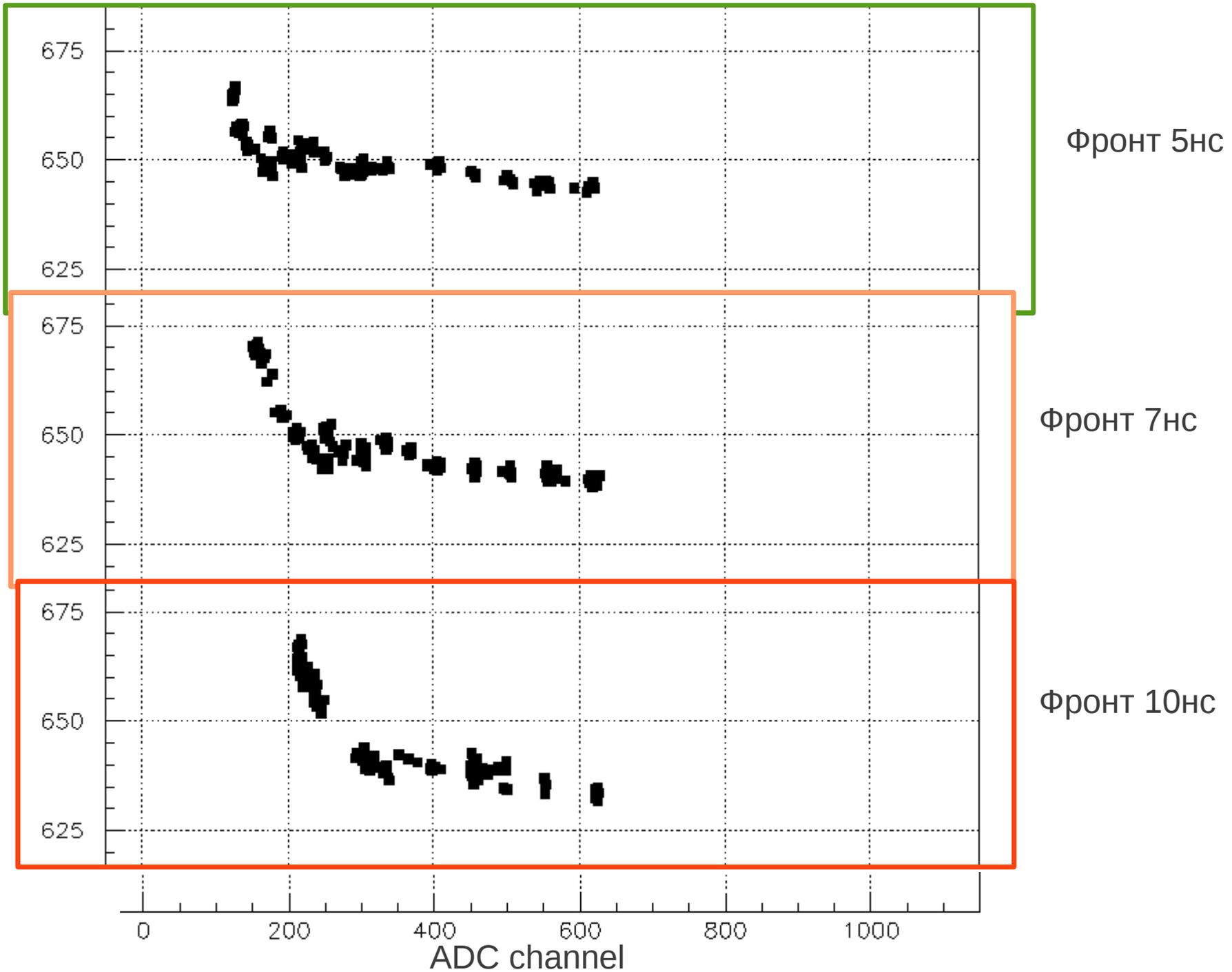
Формирователь Ф-04



Амплитуды на вход Ф-04

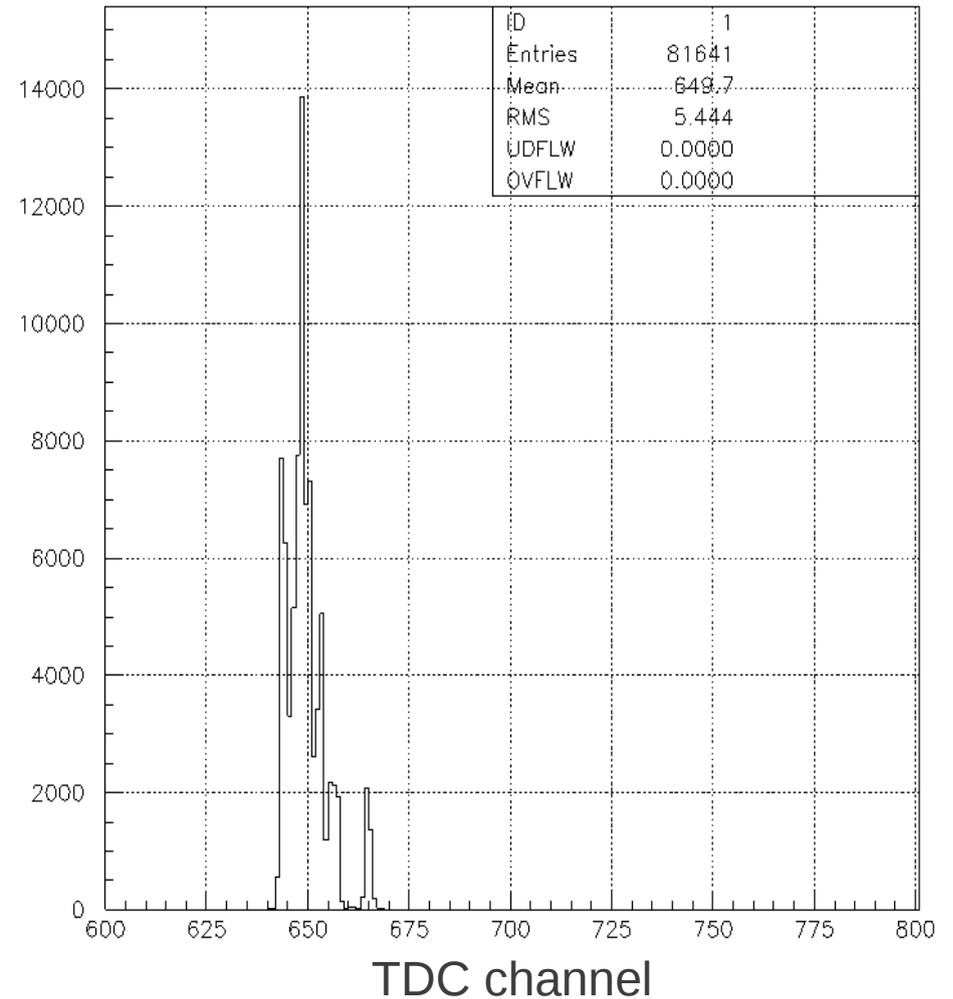
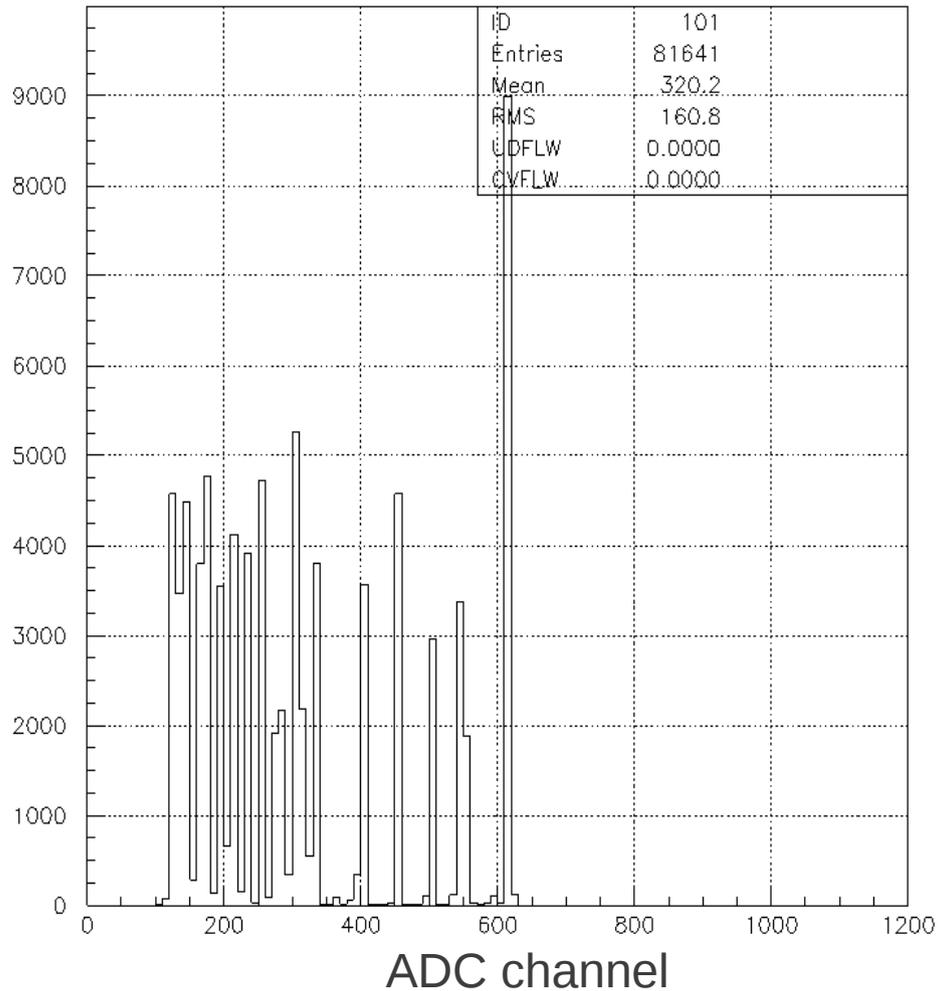
Подложка связана с переключением
dB без остановки системы сбора

CFD Самоуленко (настроен на 2нс фронт, $t_{\text{delay}} = 0.6\text{нс}$)



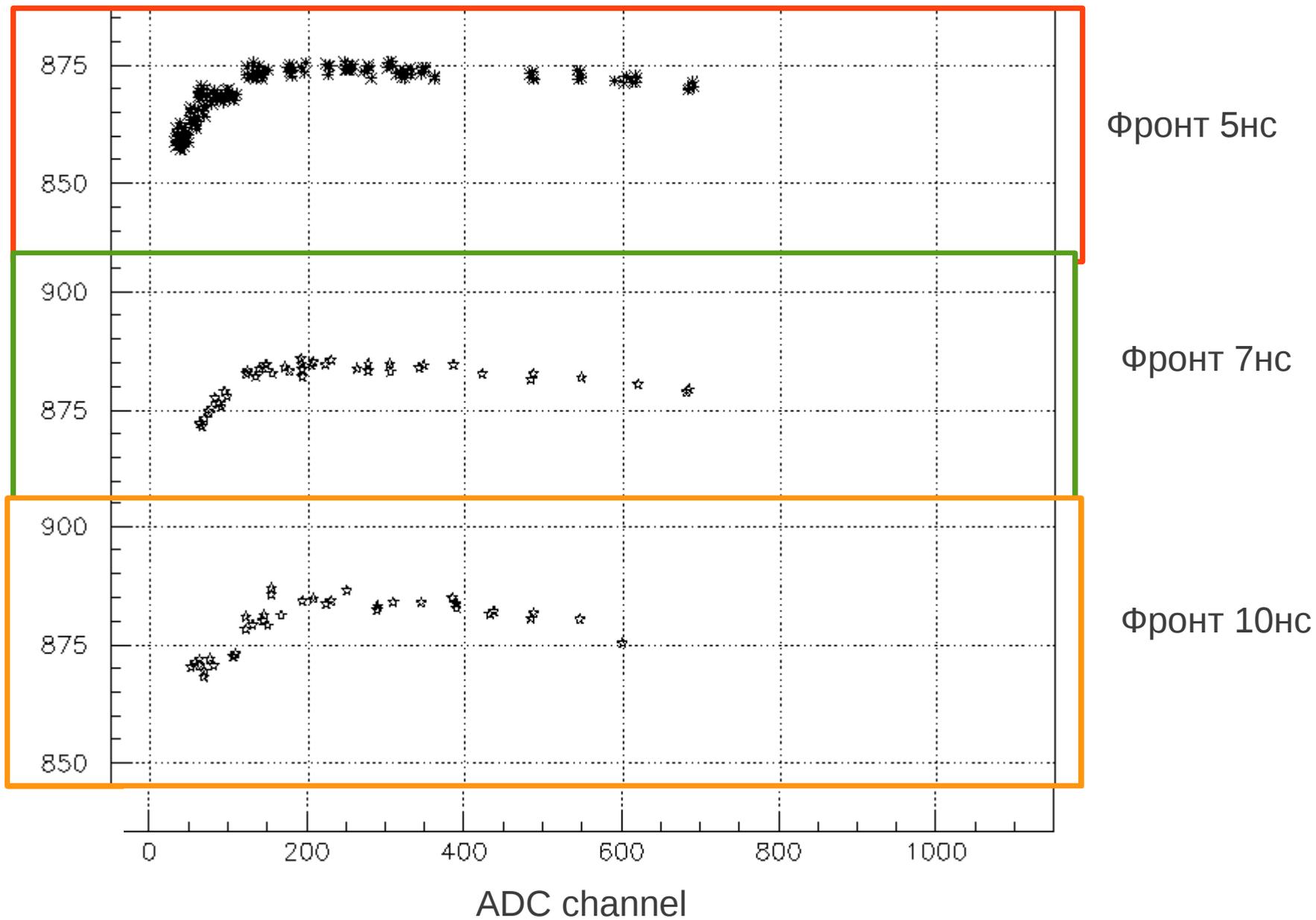
CFD Samoylenko (настроен на 2нс фронт, $t_{\text{delay}} = 0.6\text{нс}$)

Фронт 5нс



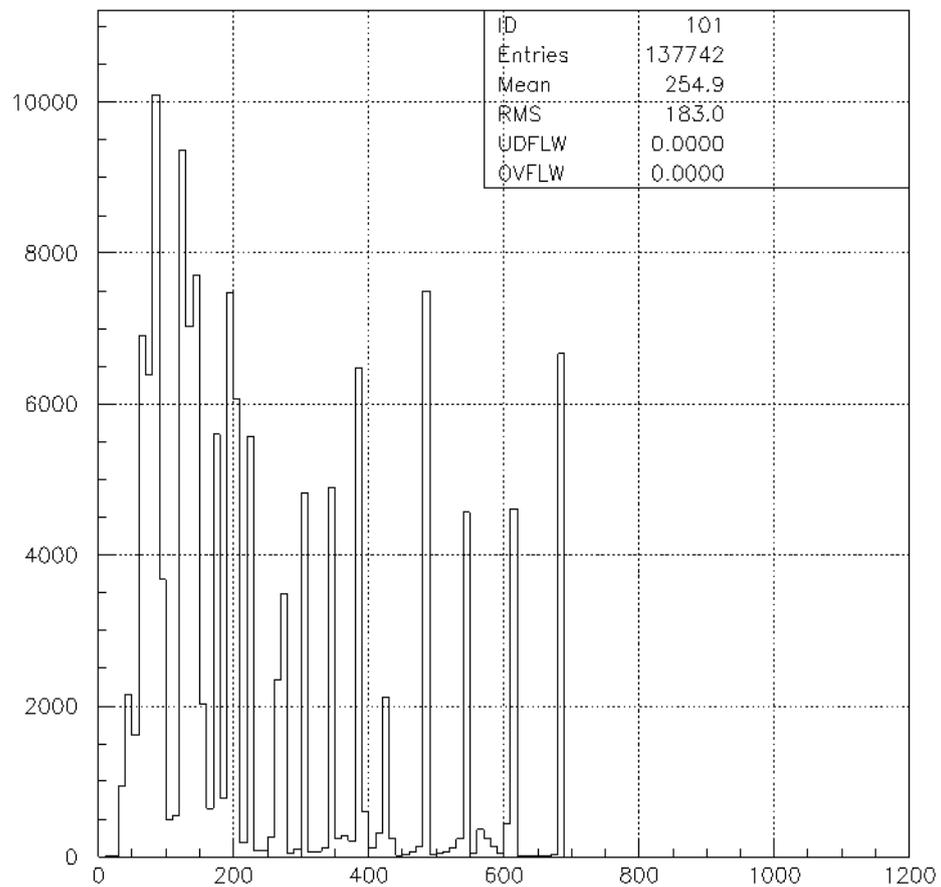
Амплитуды на вход CFD

CFD CAEN (настроен на 7нс фронт, $t_{\text{delay}}=6\text{нс}$)

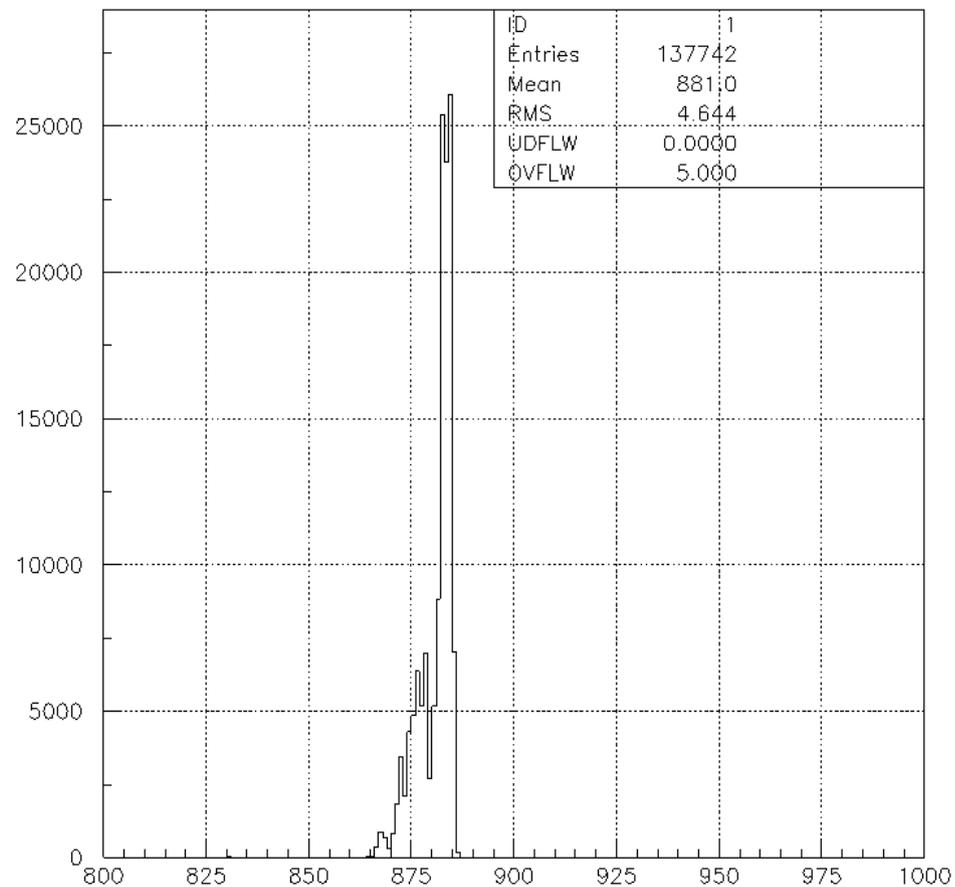


CFD CAEN (настроен на 7нс фронт, $t_{\text{delay}}=6\text{нс}$)

Фронт 7нс



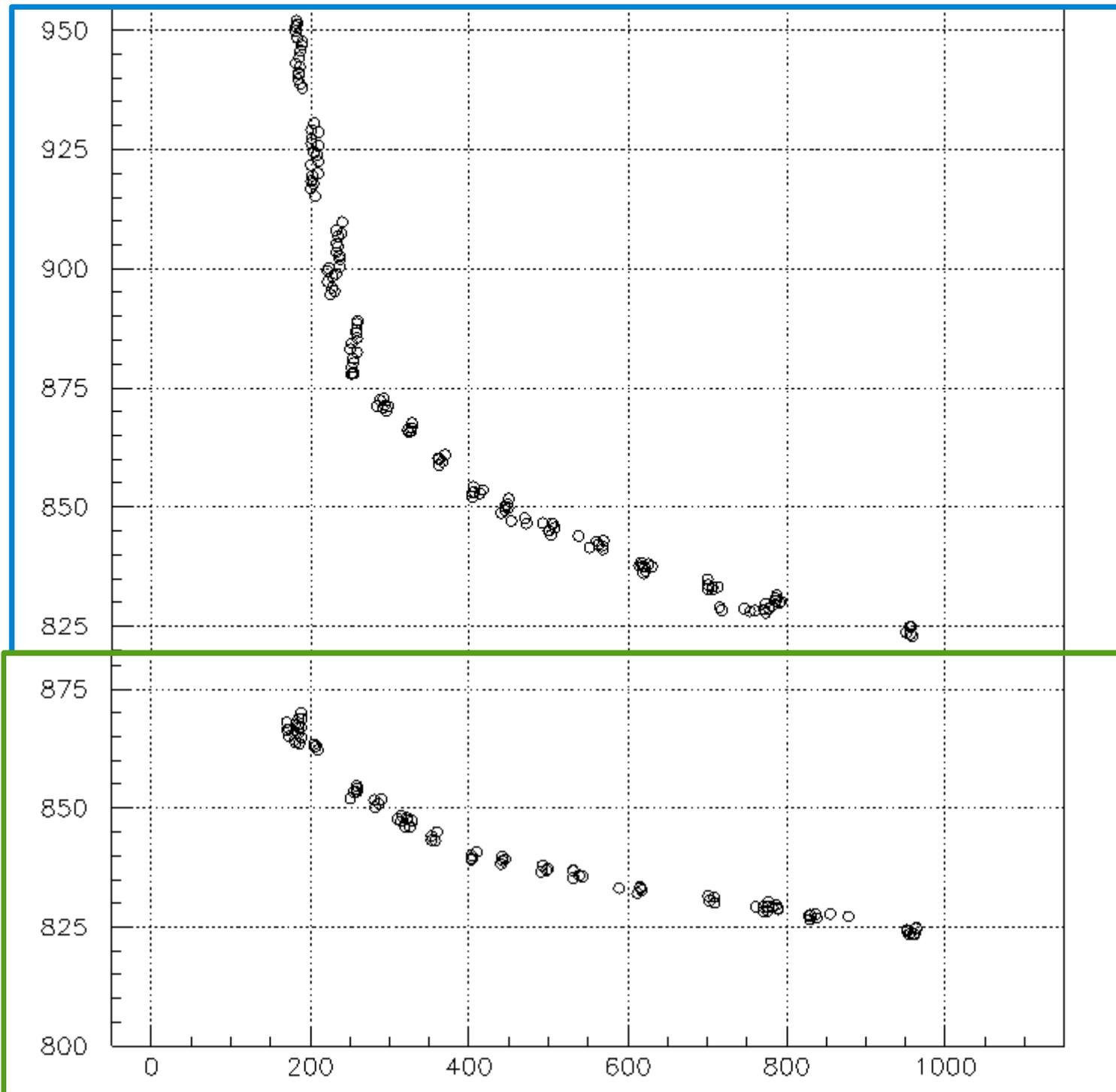
ADC channel



TDC channel

Амплитуды на вход CFD

CFD ОЭА (настроен на 6нс фронт, $t_{\text{delay}}=5\text{нс}$)

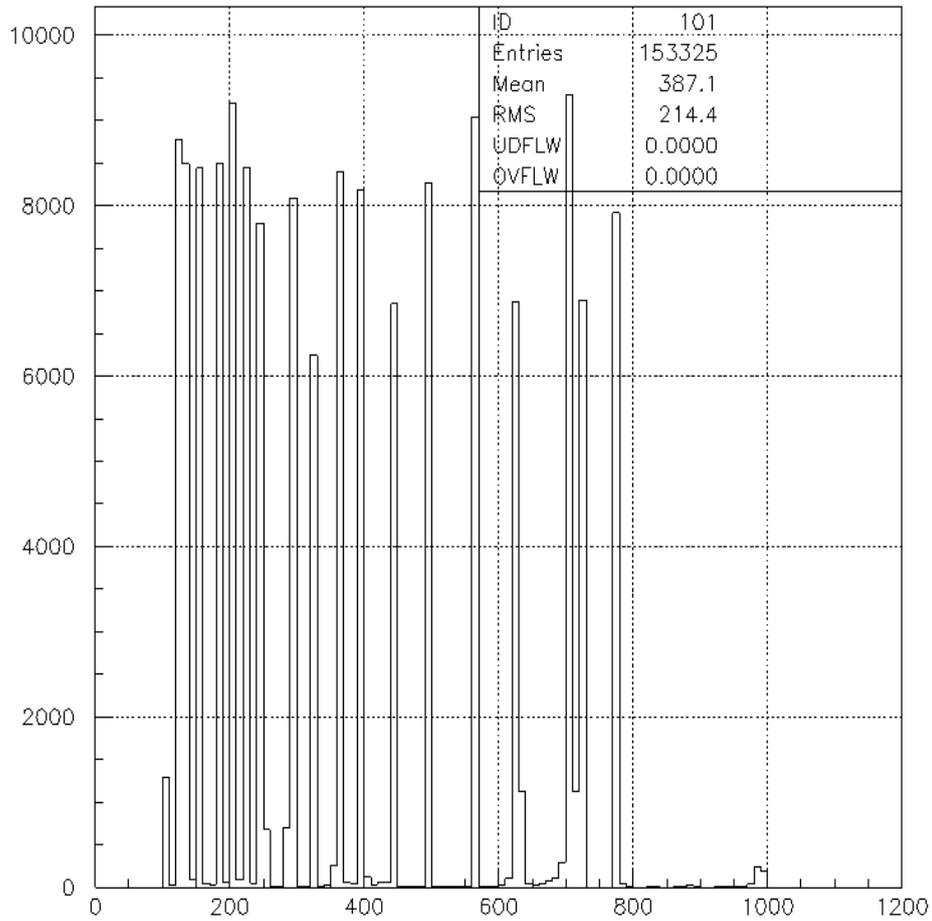


Фронт 10нс

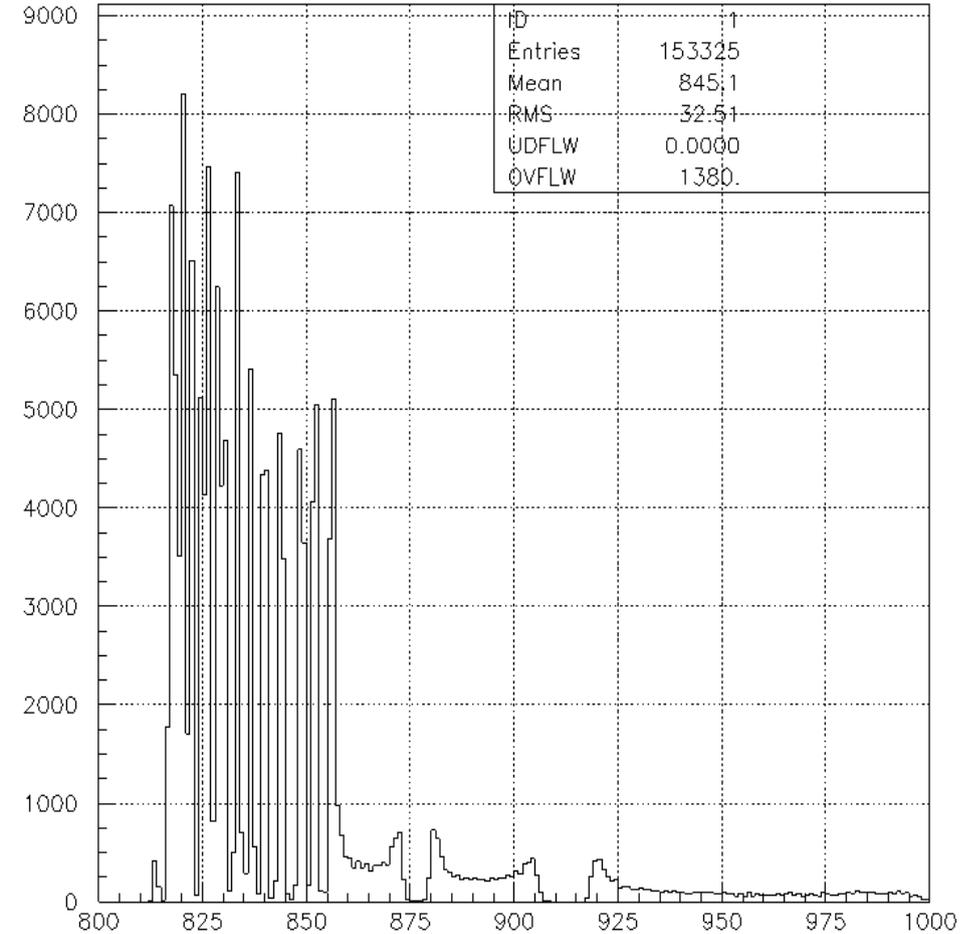
Фронт 6нс

CFD ОЭА (настроен на 6нс фронт, $t_{\text{delay}}=5\text{нс}$)

Фронт 6нс



ADC channel



TDC channel

Амплитуды на вход CFD