

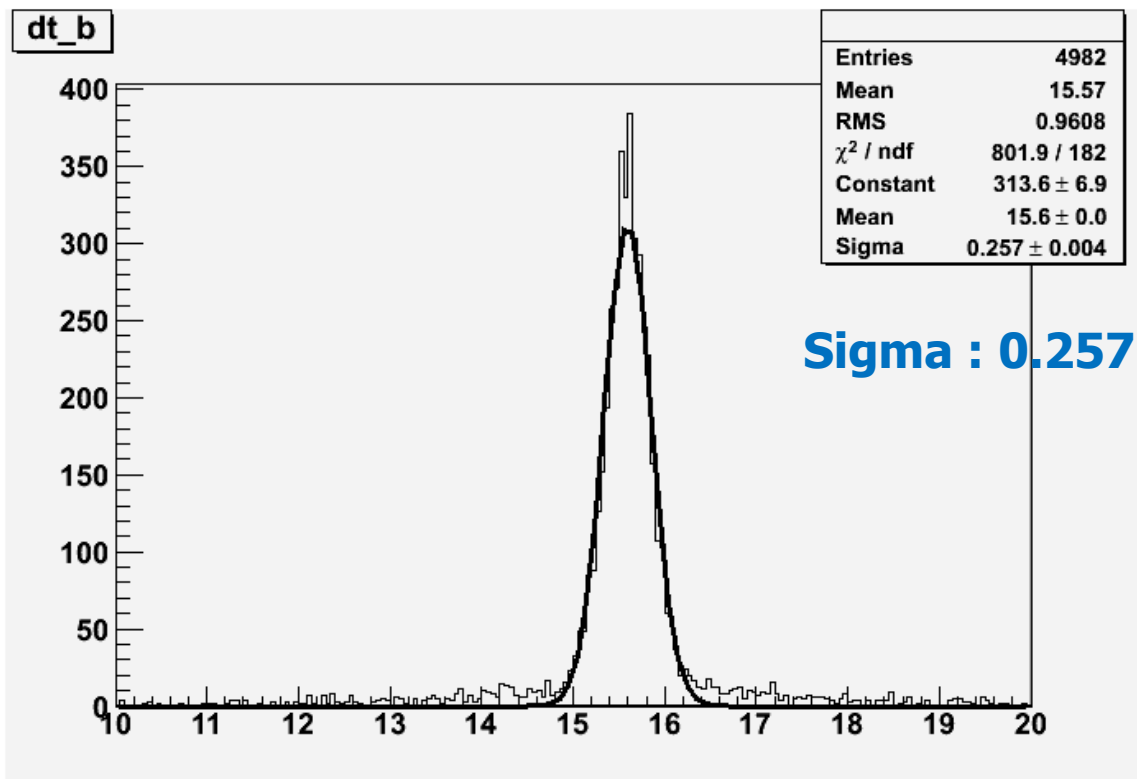
# **20160824**

## **TOF counter test status**

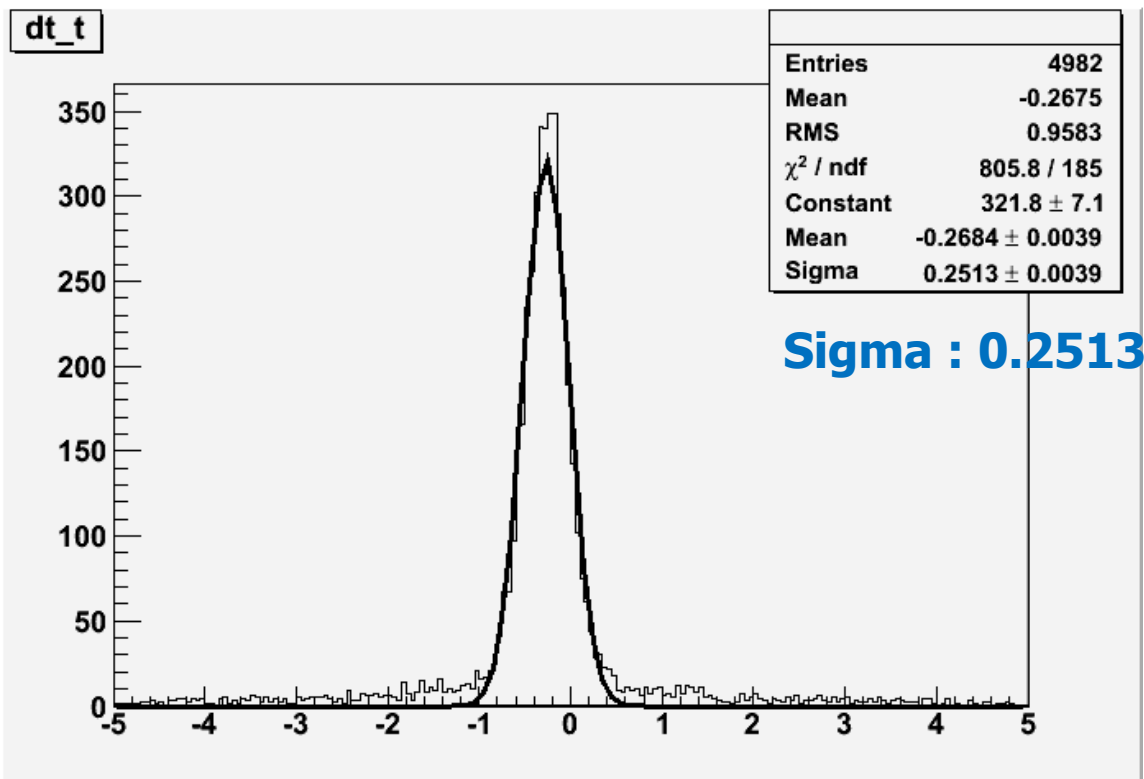
Aram lee

## Time difference analysis

<bottom :  $t_0 - t_1$ >



<top :  $t_2 - t_3$ >

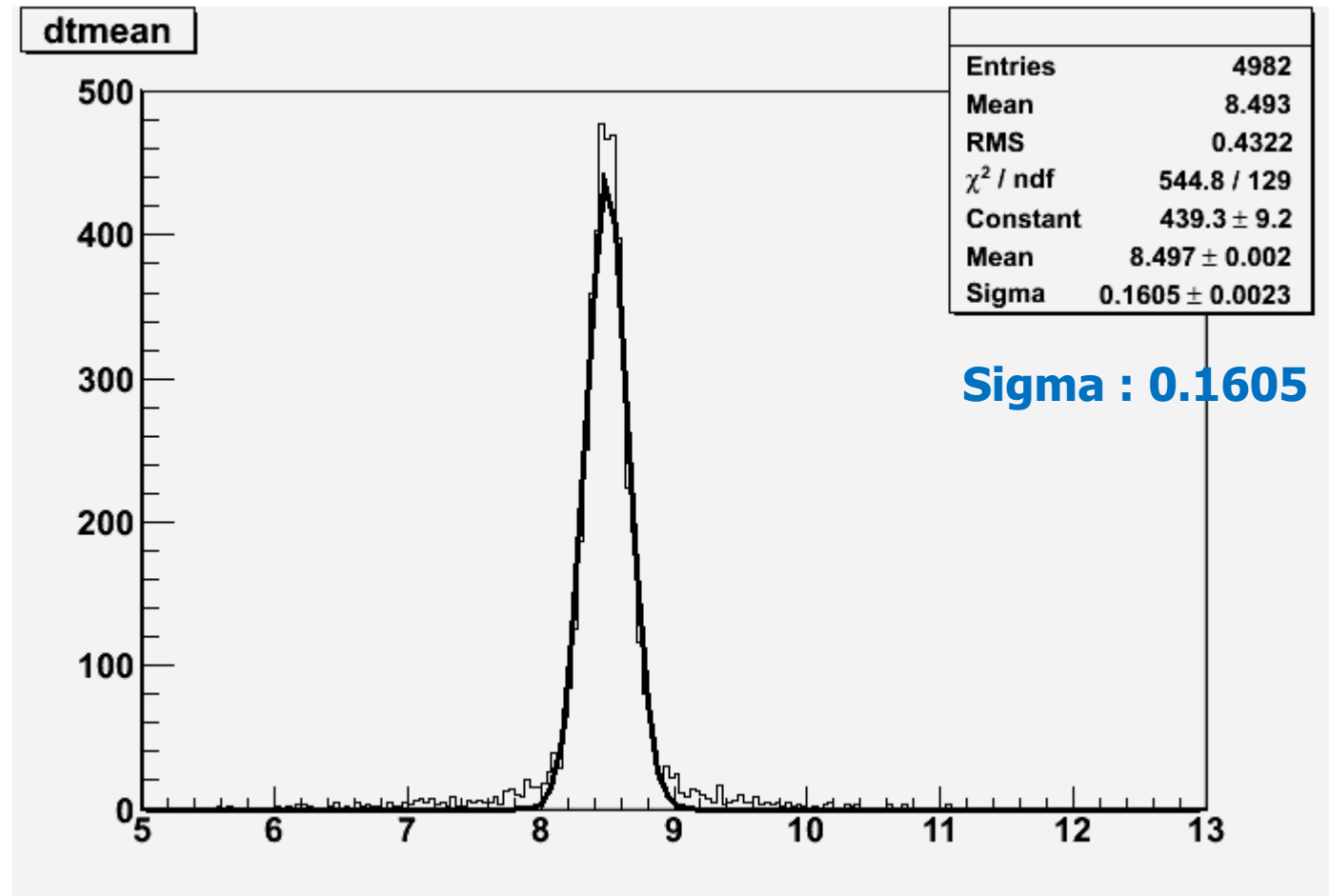


## Time difference analysis

$t_{\text{mean}_t} : (t_0 + t_1)/2$

$t_{\text{mean}_b} : (t_2 + t_3)/2$

$dt_{\text{mean}} = (t_{\text{mean}_t}) - (t_{\text{mean}_b})$

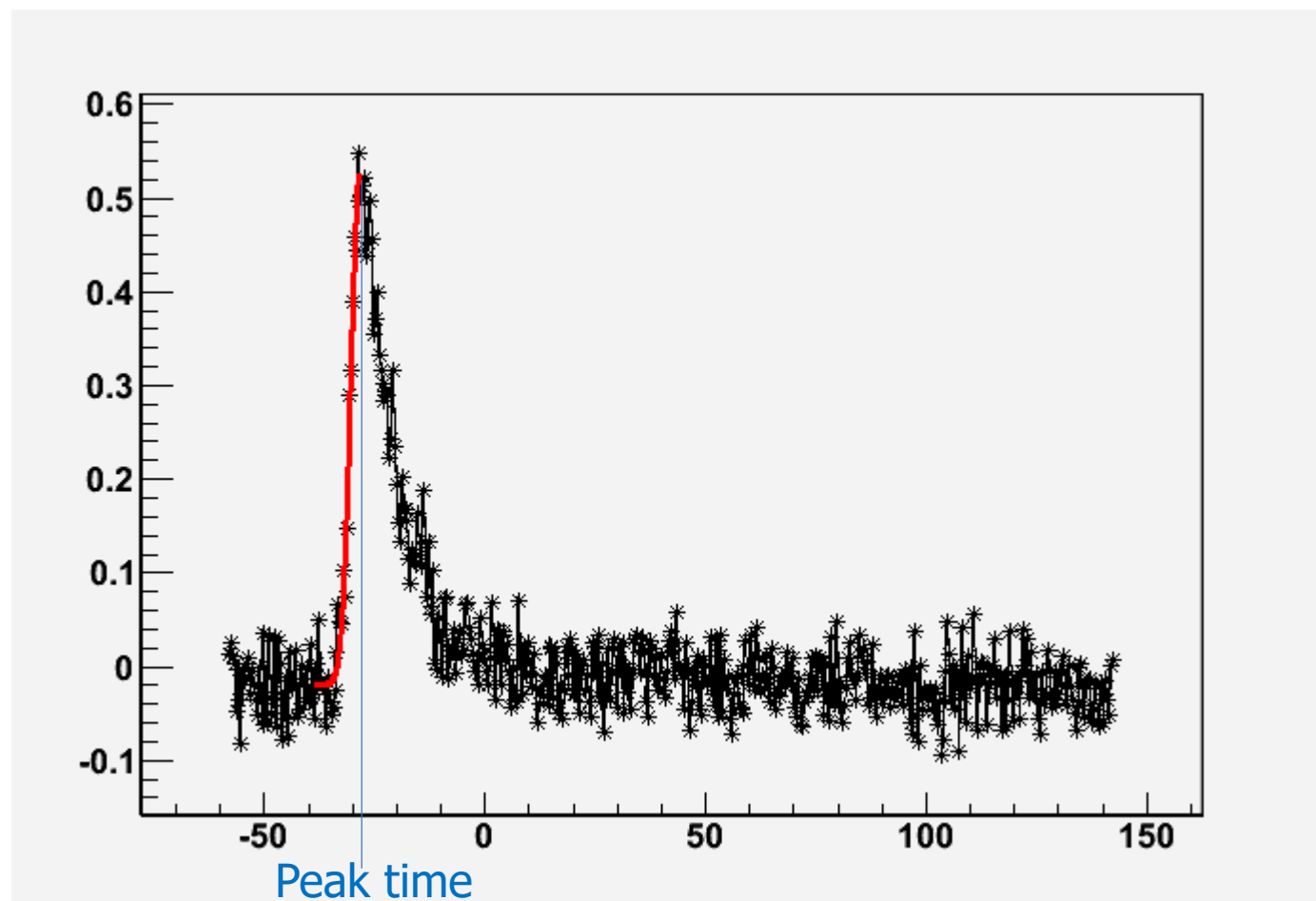


## Find dt with a Gaussian fit

$$y = \text{gaus}(0) + [3]$$

(*peaktime* - 100 < y < *peaktime* + 1)

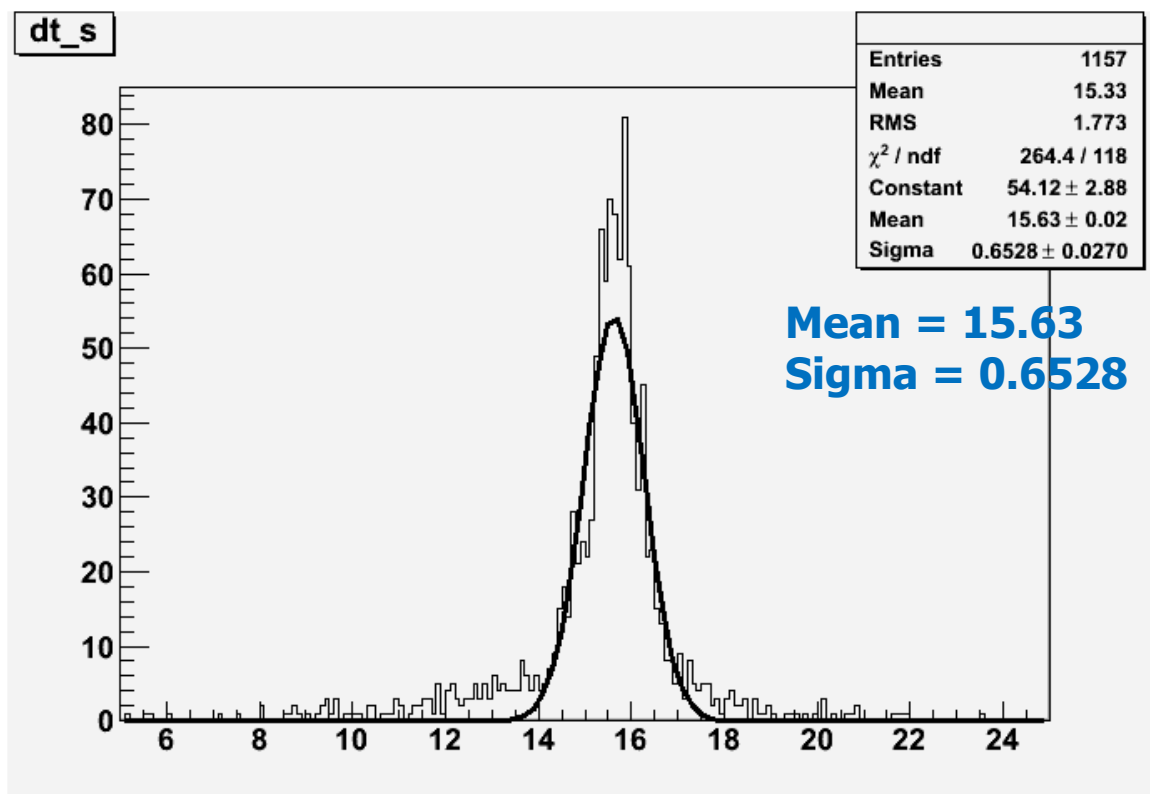
$$[1] = \text{mean} = \text{peaktime}$$



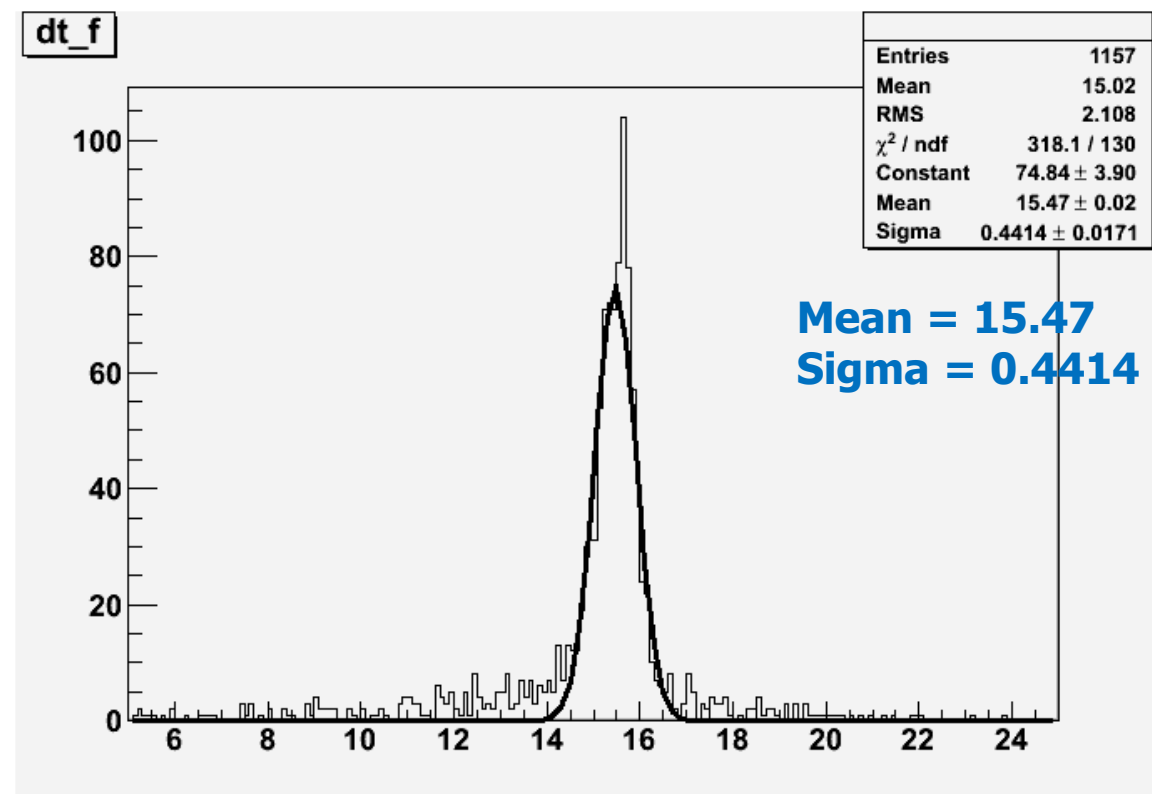
## Find dt with a Gaussian fit

a. Oscilloscope data – 2 triggers(0725)

<2-point interpolation>

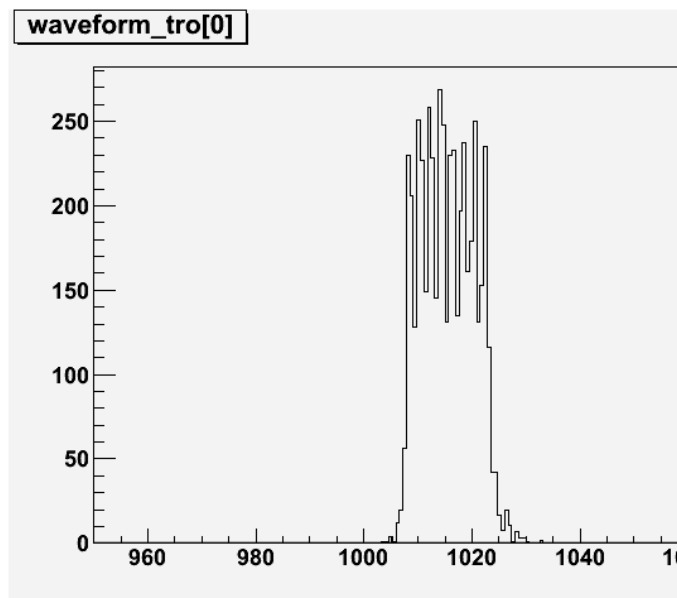


<Gaussian fit>

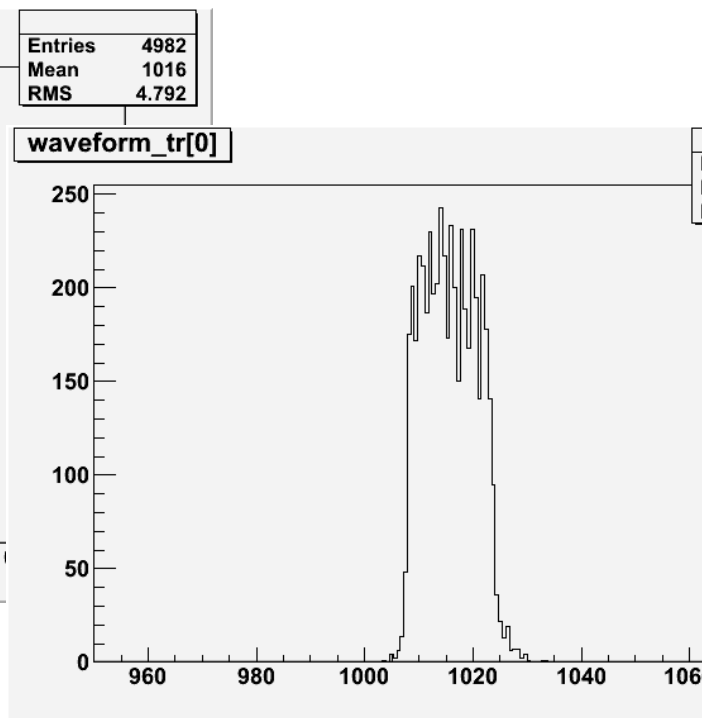


## Find dt with a Gaussian fit

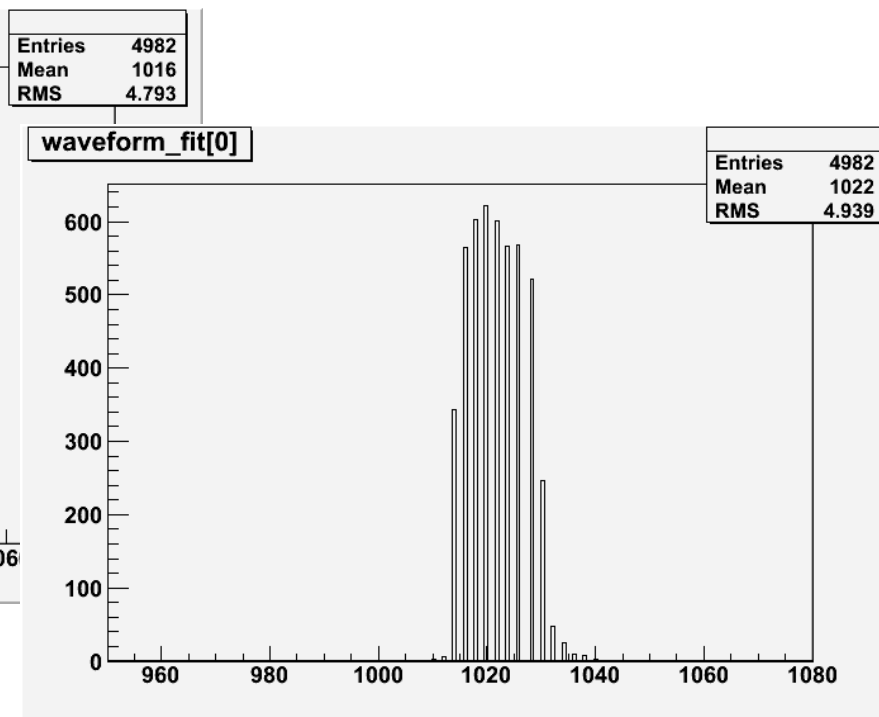
b. FADC data – 2 triggers, 2 modules (0804)



< 2-point interpolation >



< inverse interpolation >

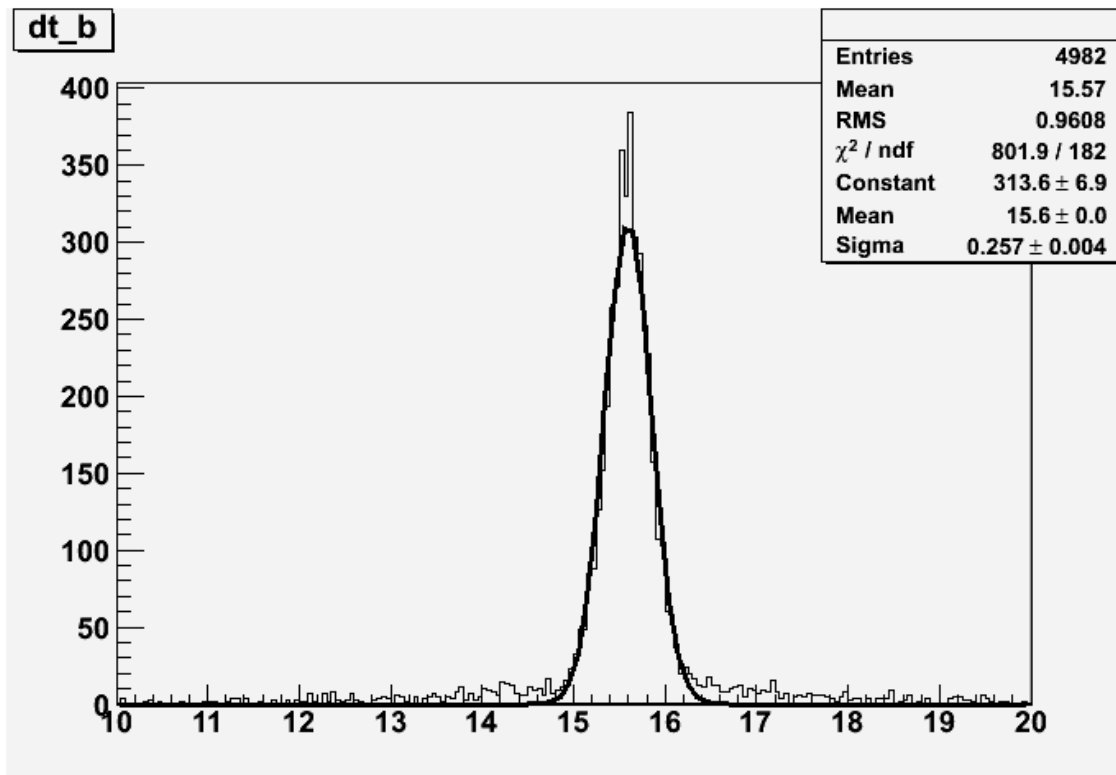


< Gaussian fitting >

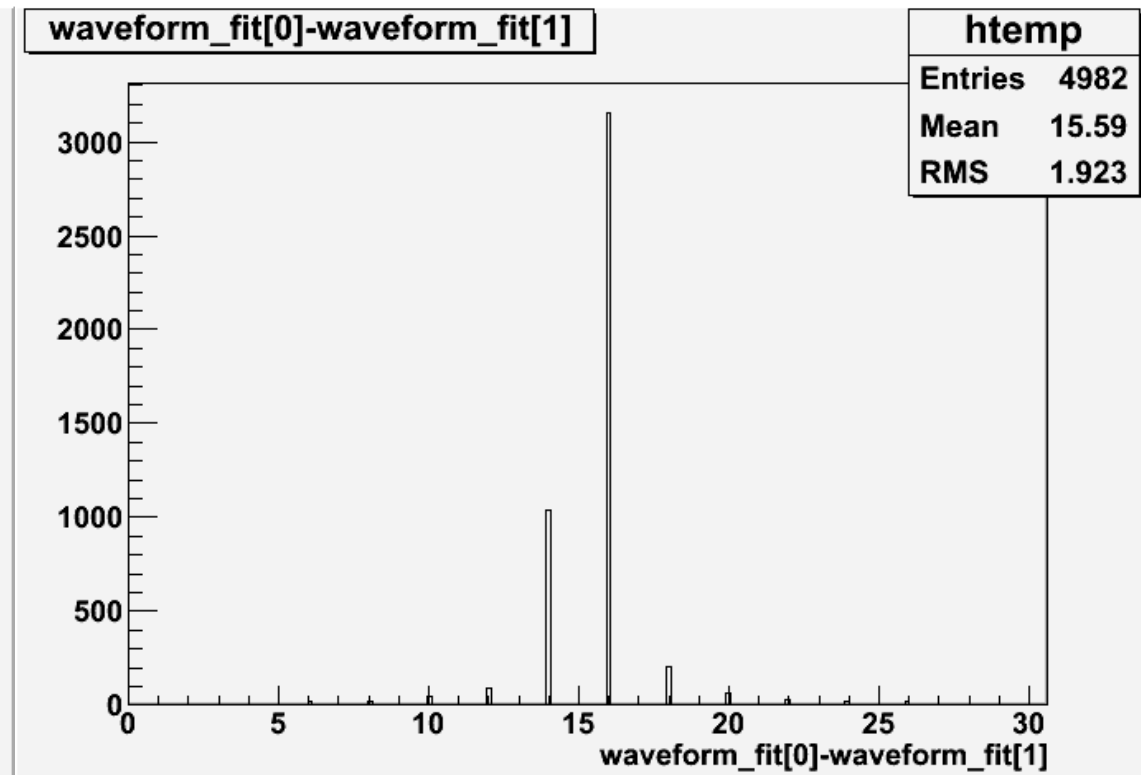
## Find dt with a Gaussian fit

b. FADC data – 2 triggers, 2 modules (0804)

<inverse interpolation>



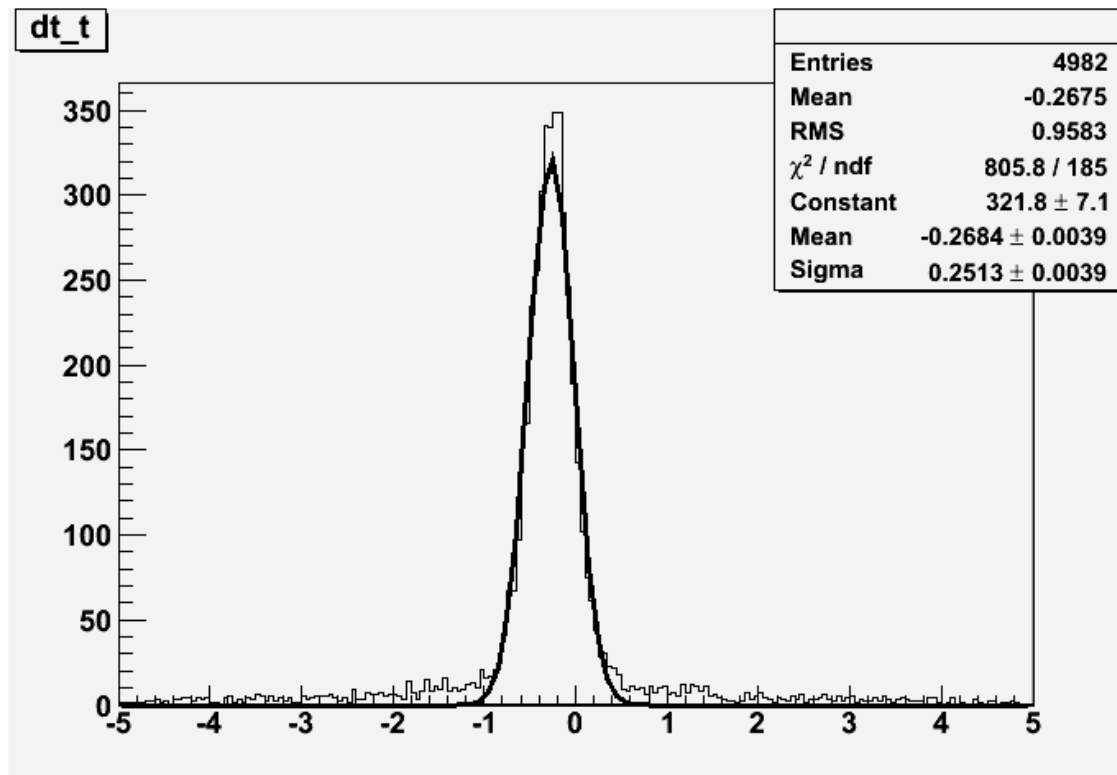
<Gaussian fit>



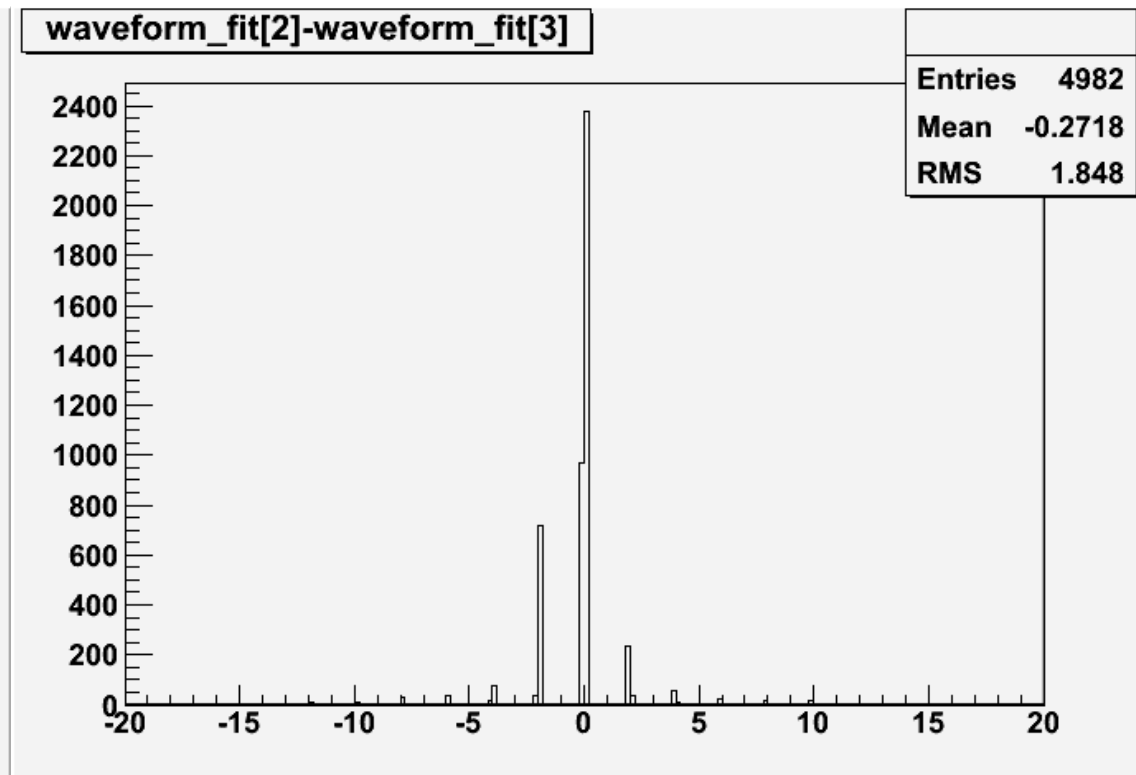
## Find dt with a Gaussian fit

b. FADC data – 2 triggers, 2 modules (0804)

<inverse interpolation>



<Gaussian fit>





## Quotation for H7195

Messrs : **Seoul National University**

REF. No. : SKHQ-160822-E01C2

DATE : Aug. 22, 2016

We are pleased to offer you the undermentioned goods on the terms and conditions described as follows;

Origin : Japan

Validity : Till Sep. 21, 2016

Shipment : Within 60 days after receipt of your L/C or T/T

Shipping Port / Destination : Japanese Airport / Korean Airport

Packing / Inspection : Standard Export Packing / Manufacturer's inspection to be final prior to shipment

Payment : By Irrevocable L/C at Sight or T/T remittance in favor of HAMAMATSU PHOTONICS K.K.  
#1126-1, Ichino-cho, Hamamatsu-city, Japan

Remarks :

NO.	COMMODITY & DESCRIPTION	SPECIFICATION	Q'TY	UNIT PRICE	AMOUNT
				(FCA JAPAN)	
1.	PMT module	H7195	30 EA	¥120,000	¥3,600,000
	* Delivery Lead Time : 2 months A.R.O.				
	TOTAL		30 EA		¥3,600,000