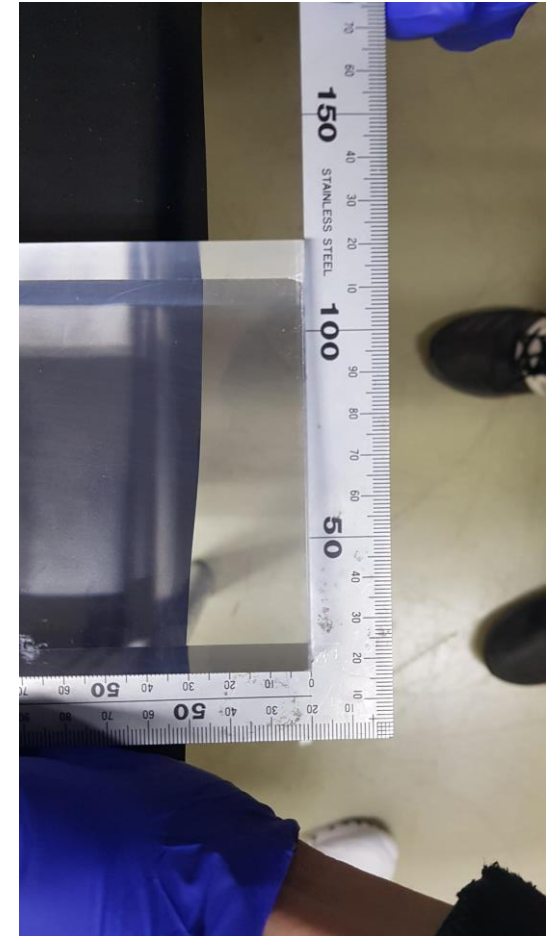
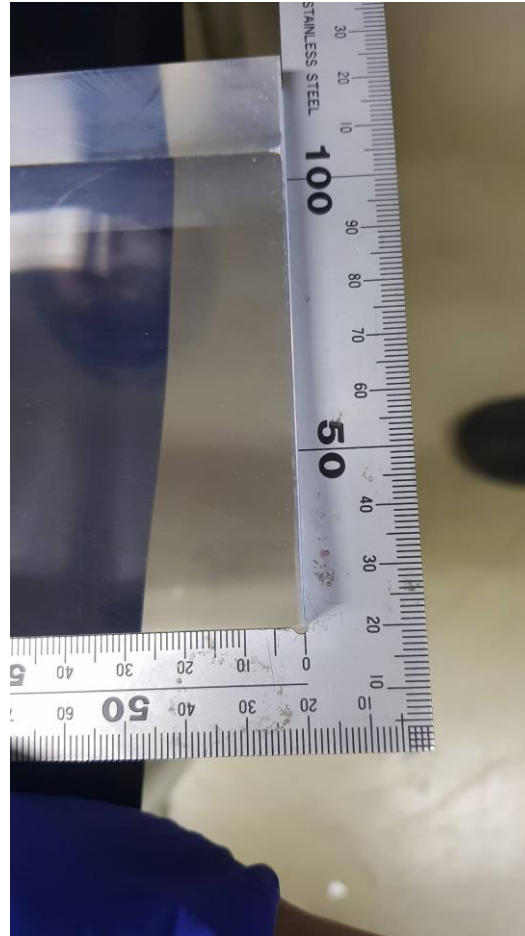
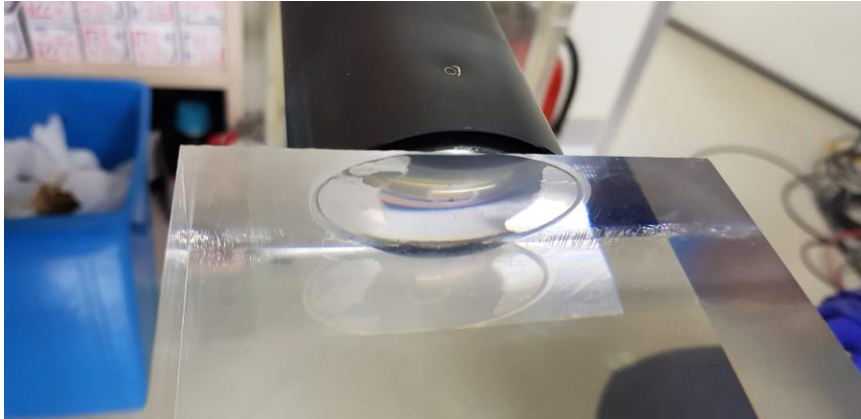


190318

ByungChan lee

Curvature Measurement



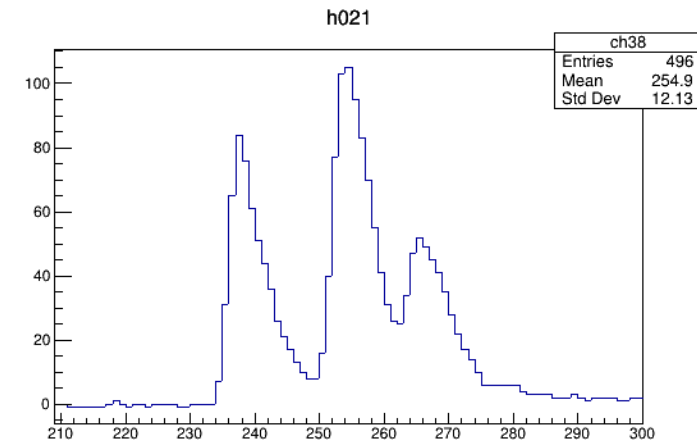
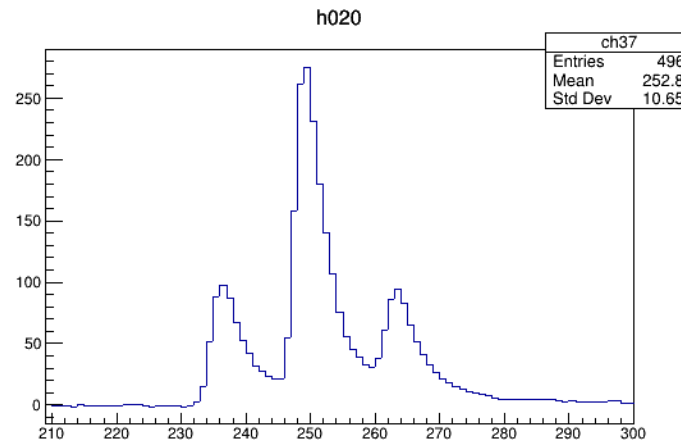
Curvature Measurement



Curvature Measurement



About condition

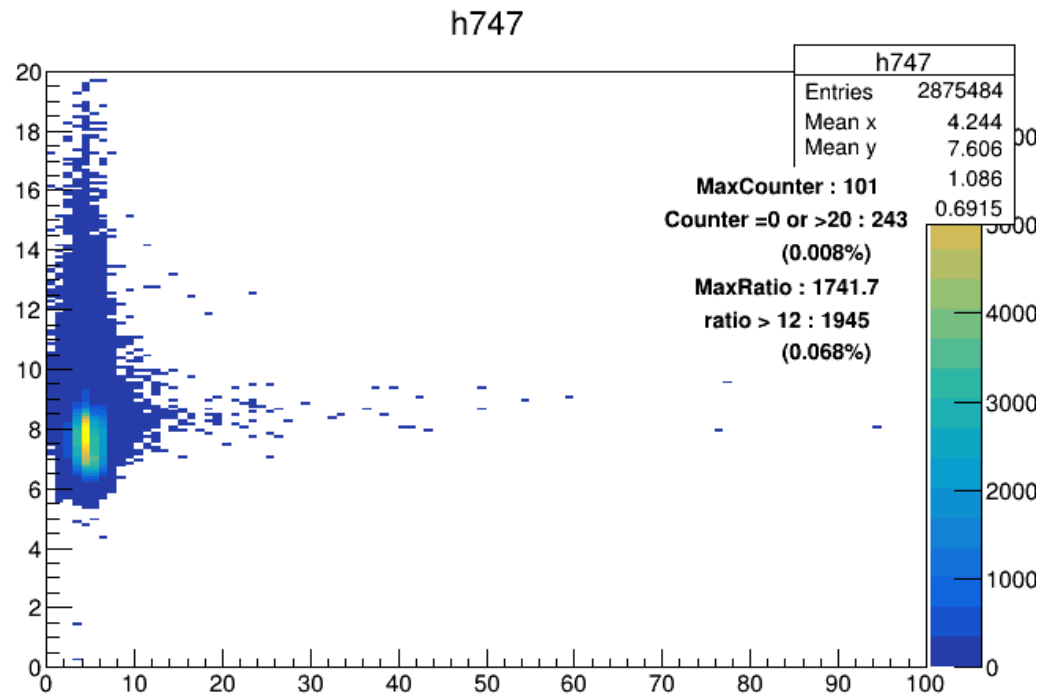


- If the first interpolation point is higher than the 3rd or 4th interpolation point.
- If the time interval between the last interpolation point and the peak point is larger than 10ns

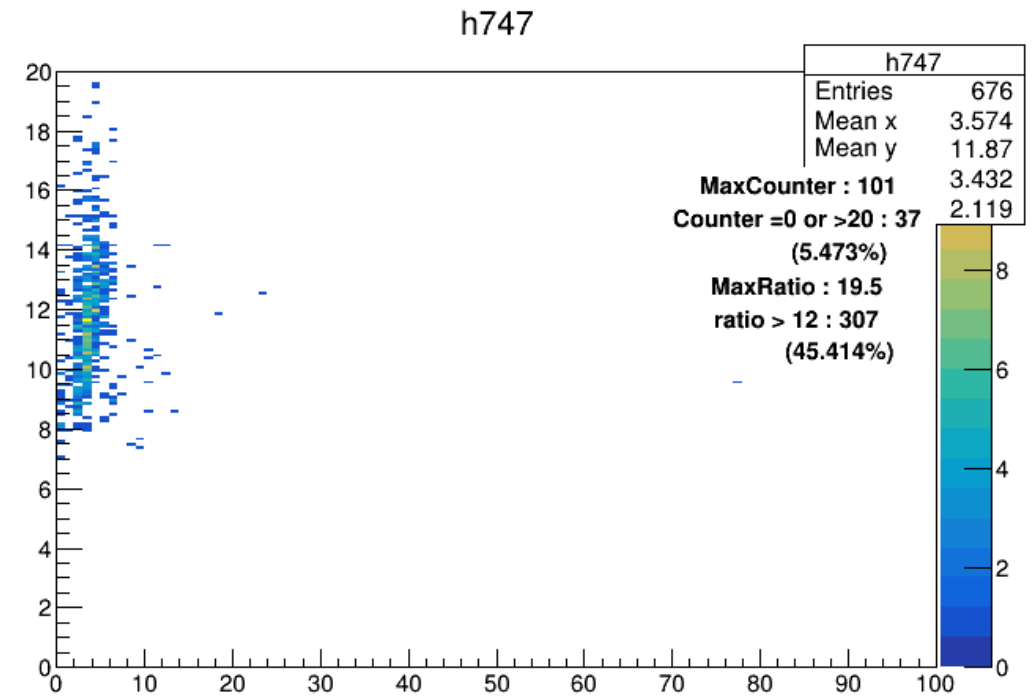
```
if(height>100&&(y[ns]<y[0]||TMath::Abs((2*iMax)-x[NP_INTER-1])>10)){
```

- Suggestion
 - If the first interpolation point is higher than a given threshold
-> too many good waveforms are selected

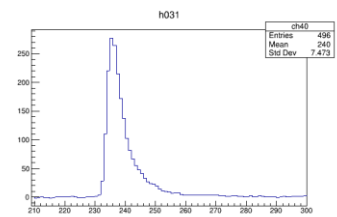
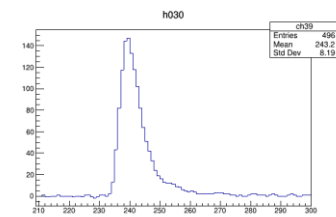
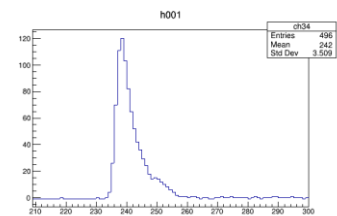
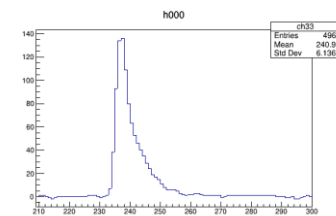
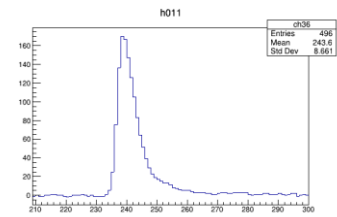
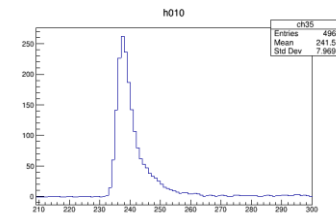
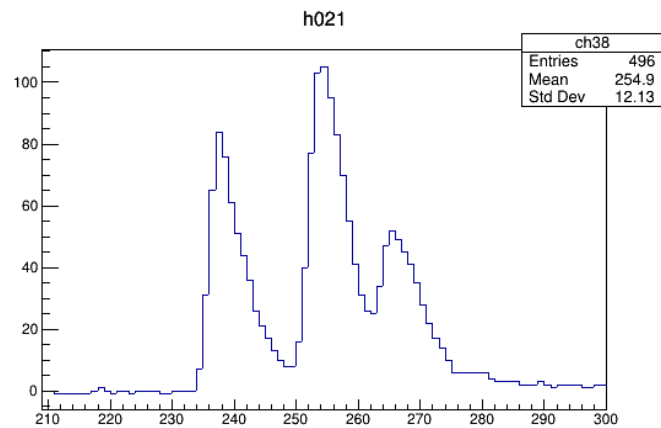
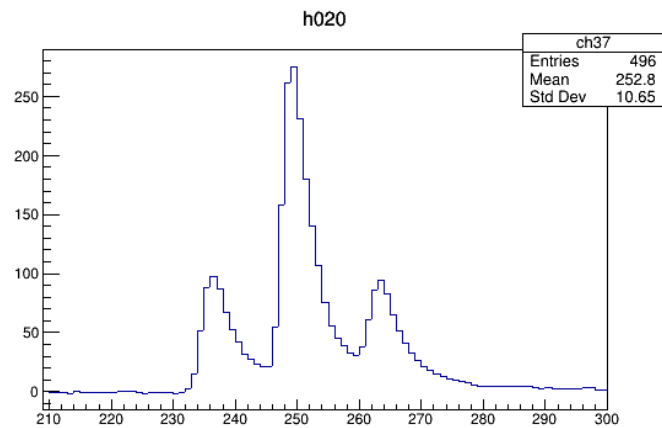
Counter & Integ/height Distribution

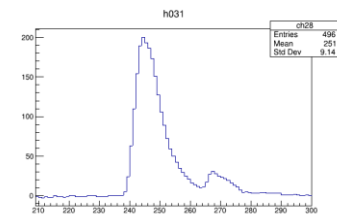
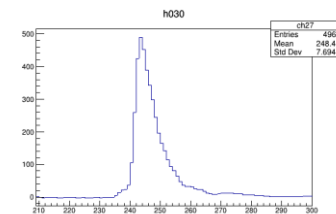
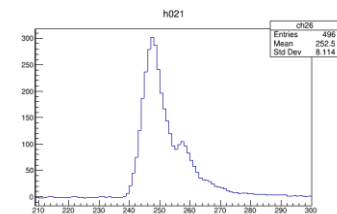
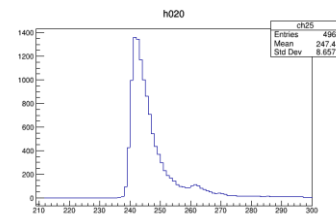
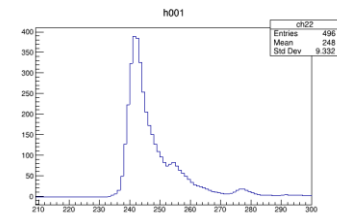
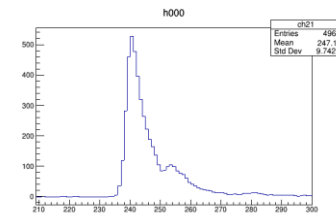
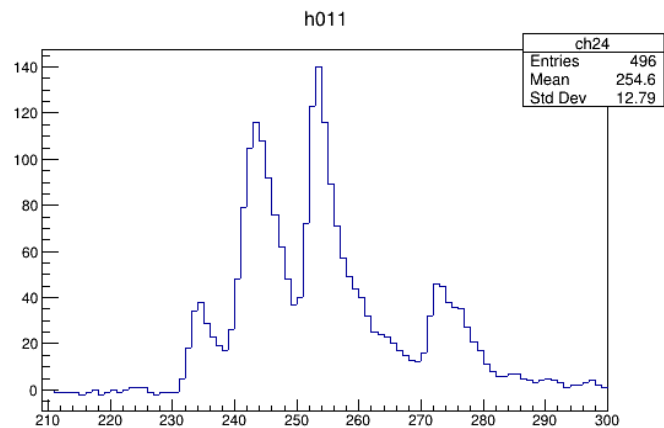
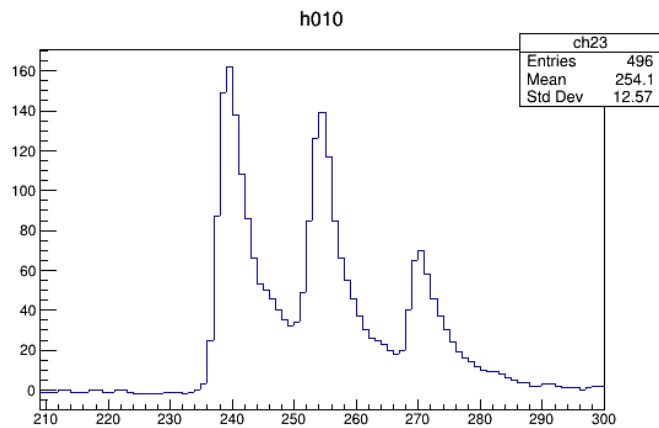


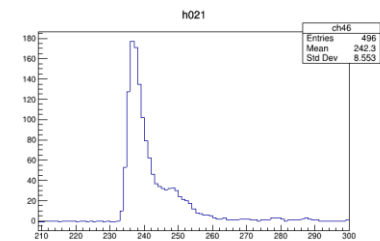
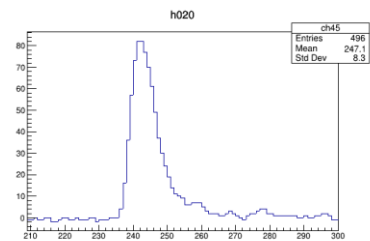
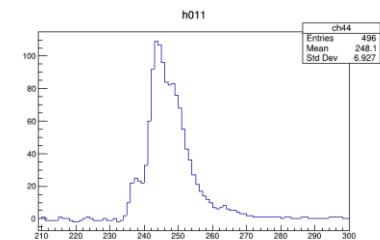
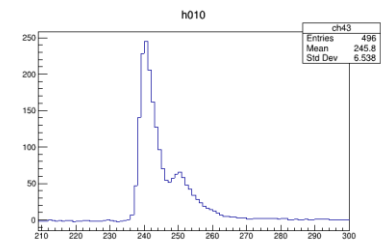
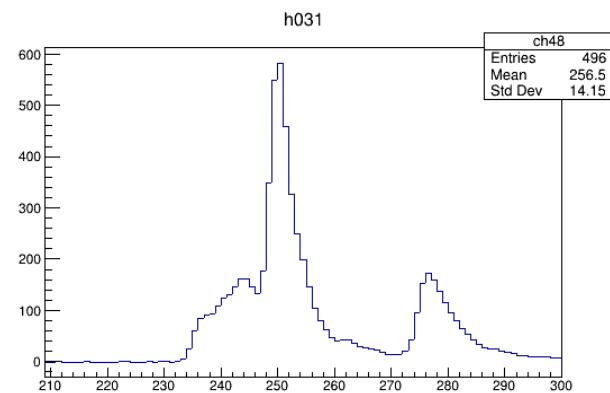
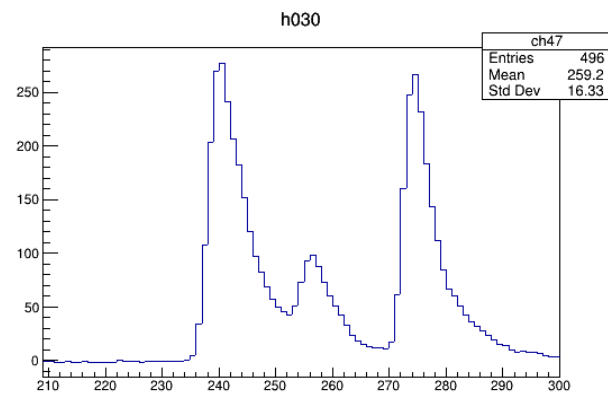
- All events

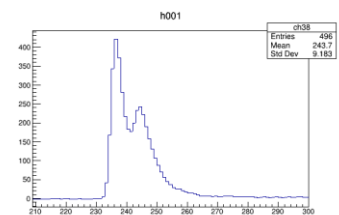
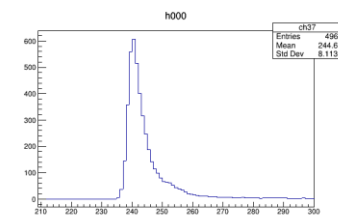
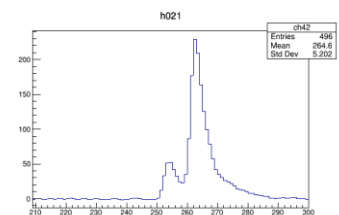
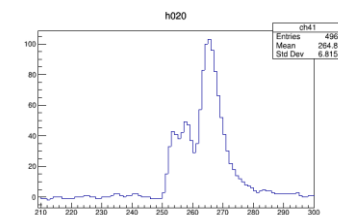
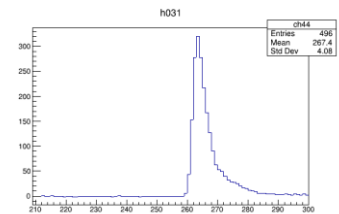
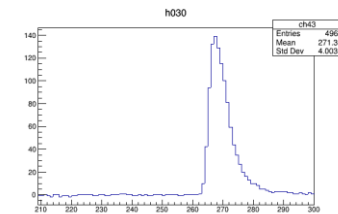
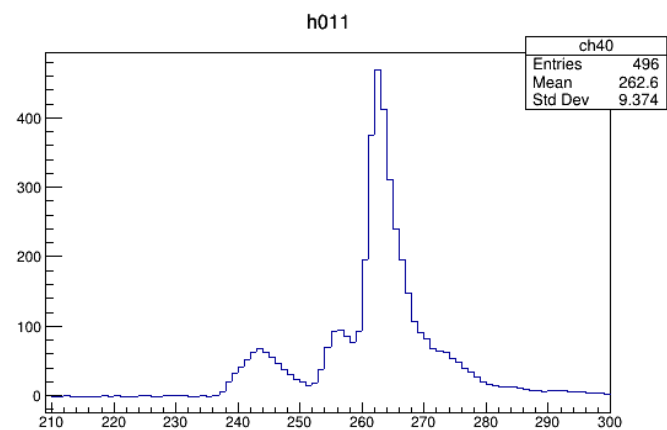
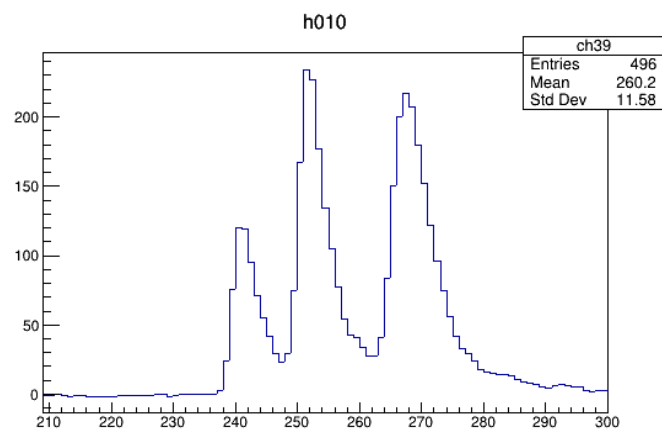


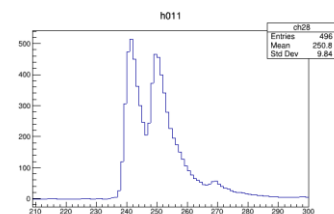
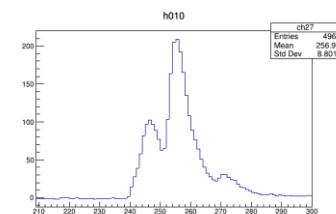
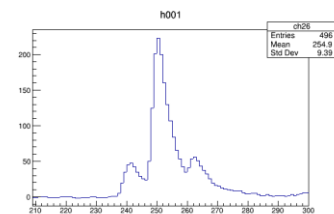
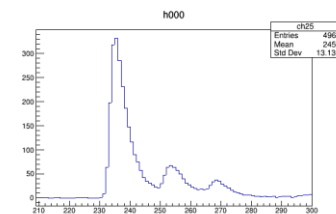
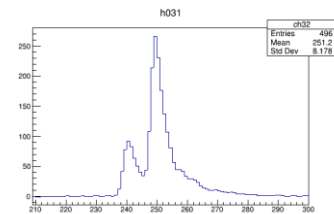
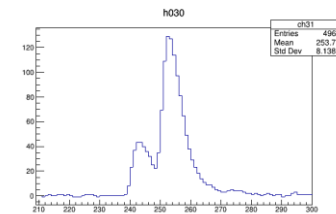
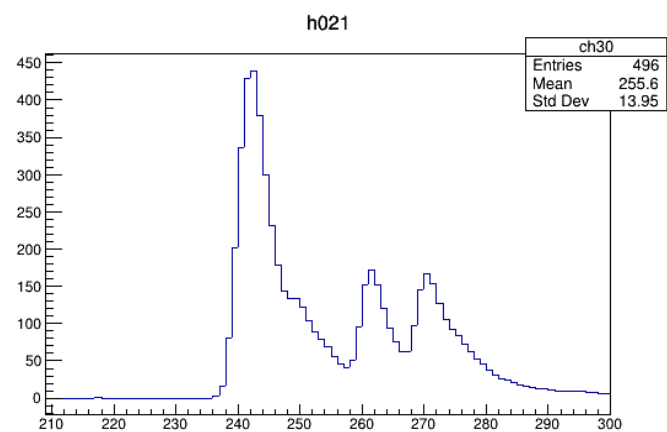
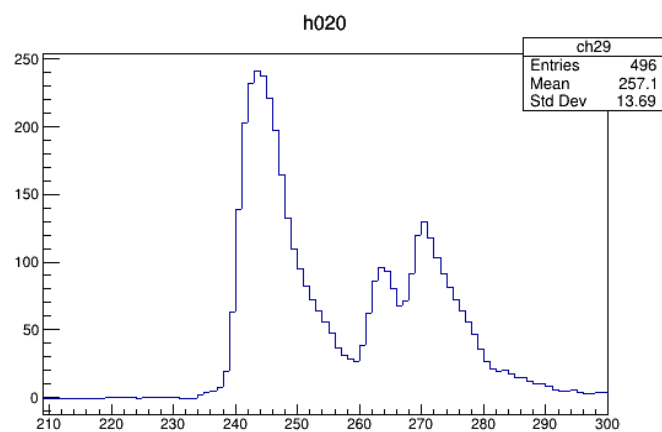
- Selected events











TO DO

- Calculate the Time resolution

BackUp

- DATA : FADCT_000747
- Event Number : 208,344
- 24Bars, 48 Channels
- Count the number of bars in each event, where the maximum pulse height > 100count at both PMT
- Total Entry : $2 \times 1,437,742$
- Sum = $(192 + 1753 + 628/2)$

	Counter =0 or 101	Integ/Height > 12	NewCondtion	Sum
Entries	192	1753	676	2307
#/total entry	6.7×10^{-5}	6.1×10^{-4}	2.4×10^{-4}	8.0×10^{-4}

CONFIGURATION

```
TCB
PTRIG      100  # pedestal trigger [ms]
CW         200  # coincidence width
TRGON      1    # normal 1, pedestal 2, ext 8
GATEWIDTH  10
MTHRF       2   # multiplicity
# DTF       1000 # deadtme[ns]
PSCF        1 #prescale
# GATEWIDTH 10
GATEDLY 0
END
```