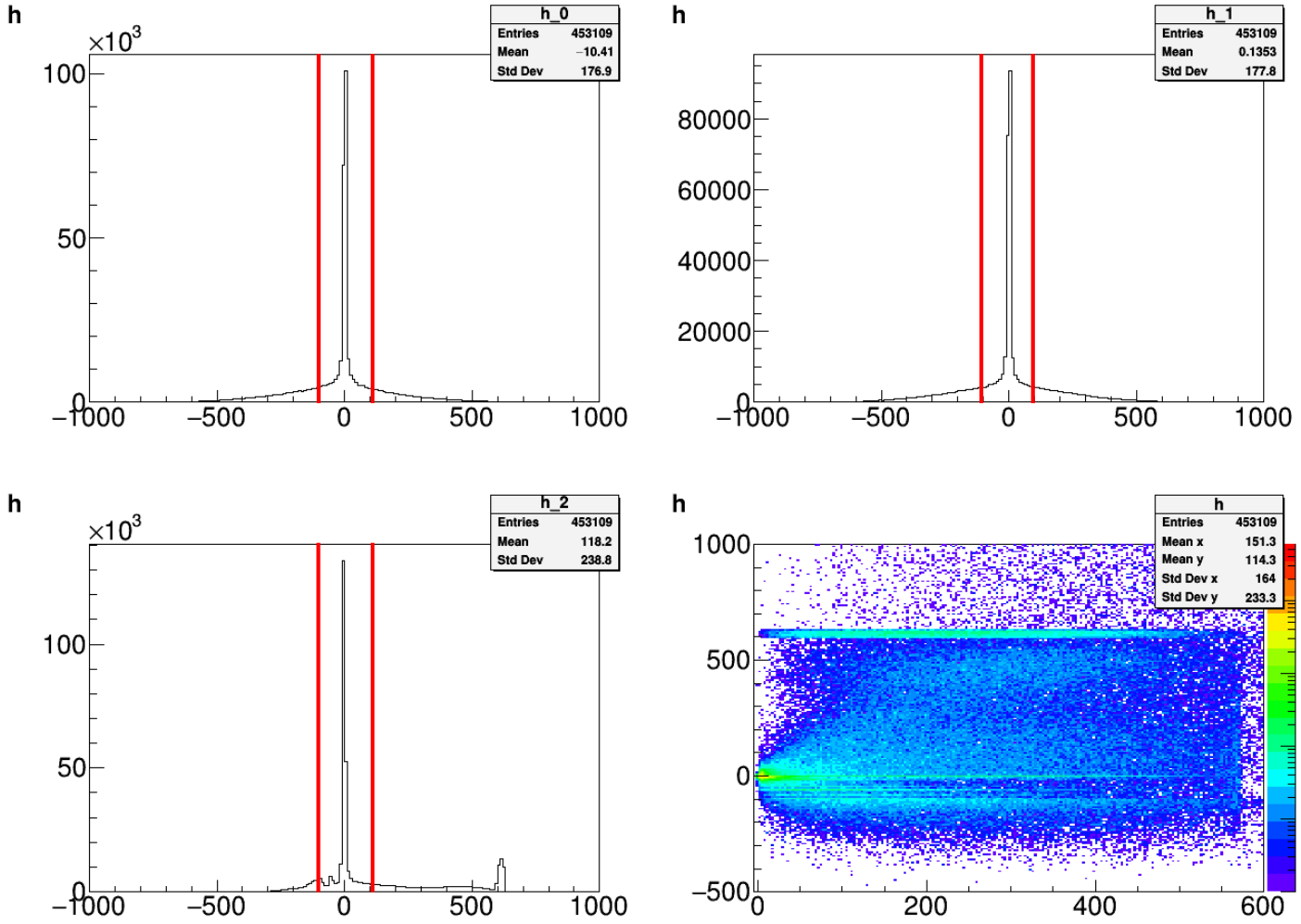
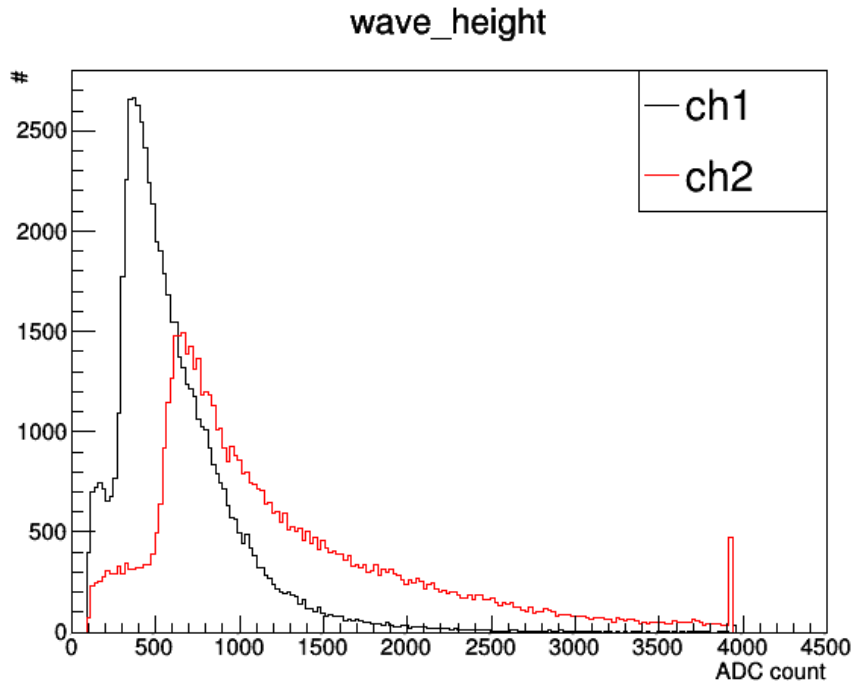
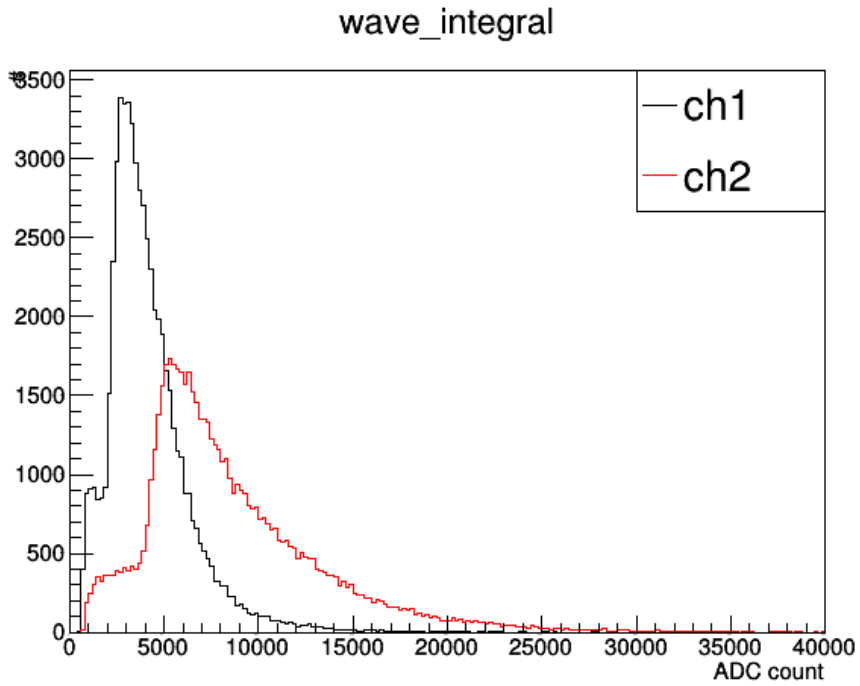
50 % of Secondary (not from pbar)



Real Data Analysis

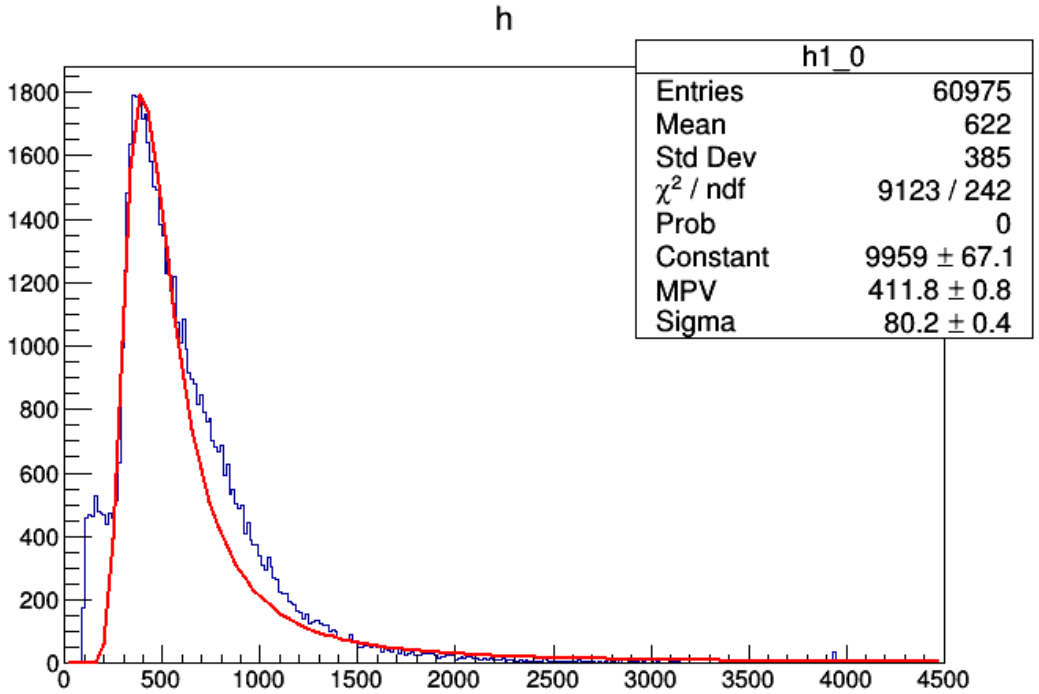
- 18.01.30 data from FADC
- The number of saved events is About 60000
- Pulse maximum height and integral distribution is given in below

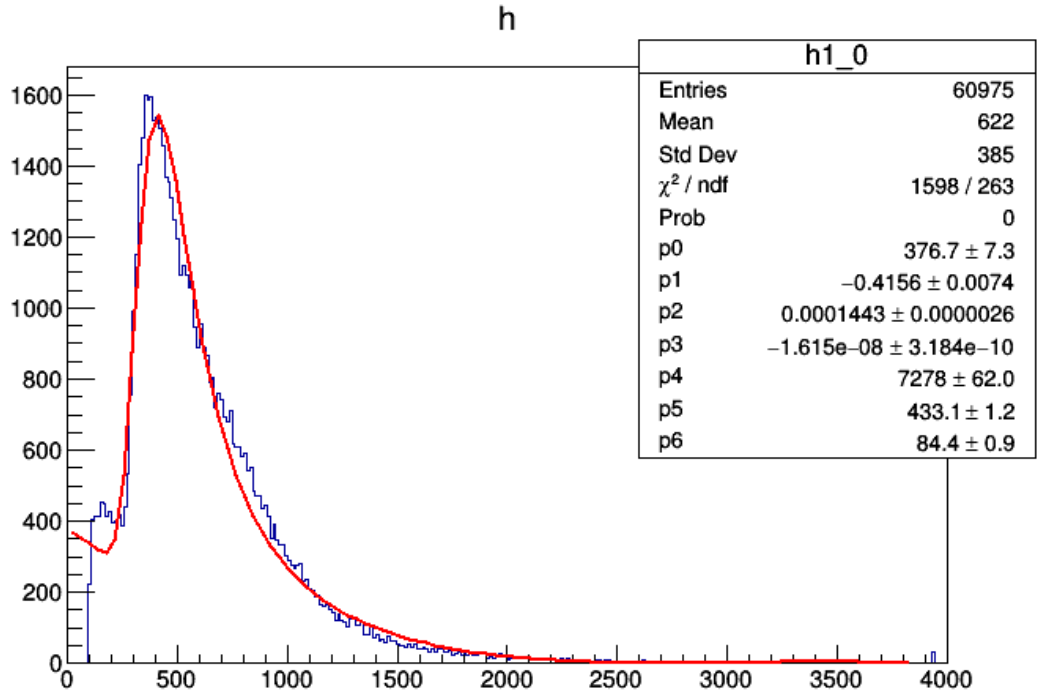




Fitting

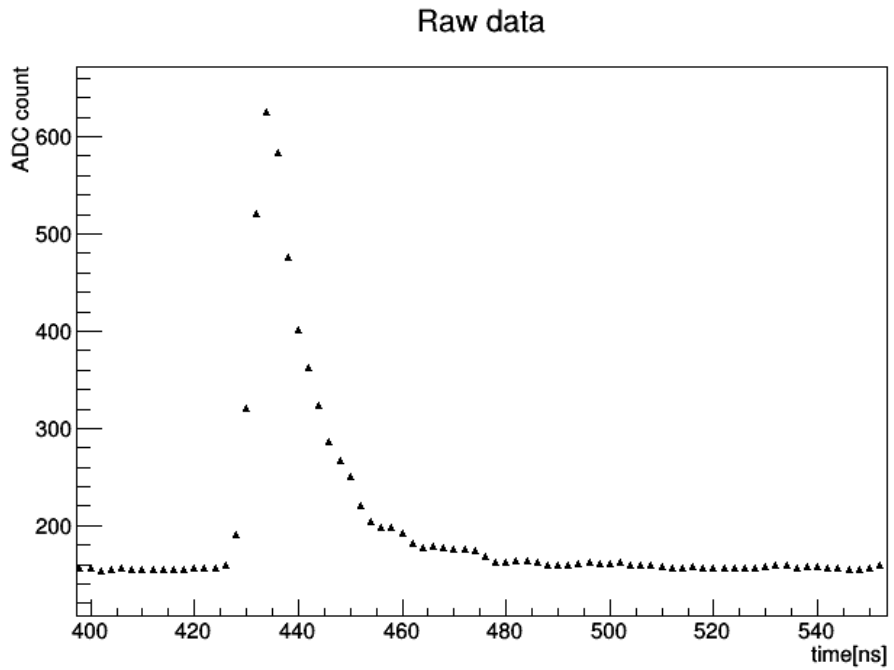
- Using the maximum pulse height distribution
- Landau fitting(left), Landau+3rd polynomial fitting(right)





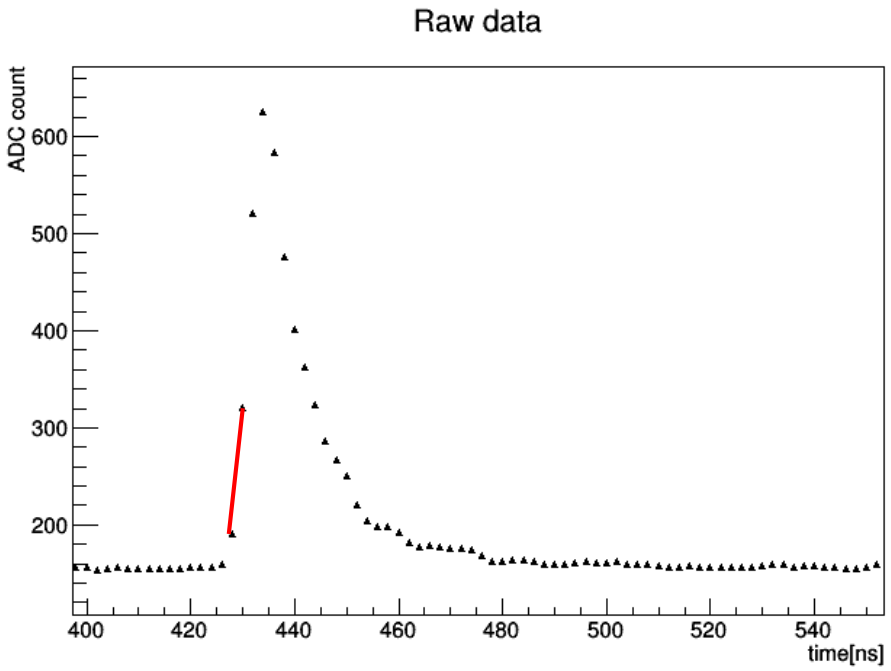
Determination of Start Time(t_0)

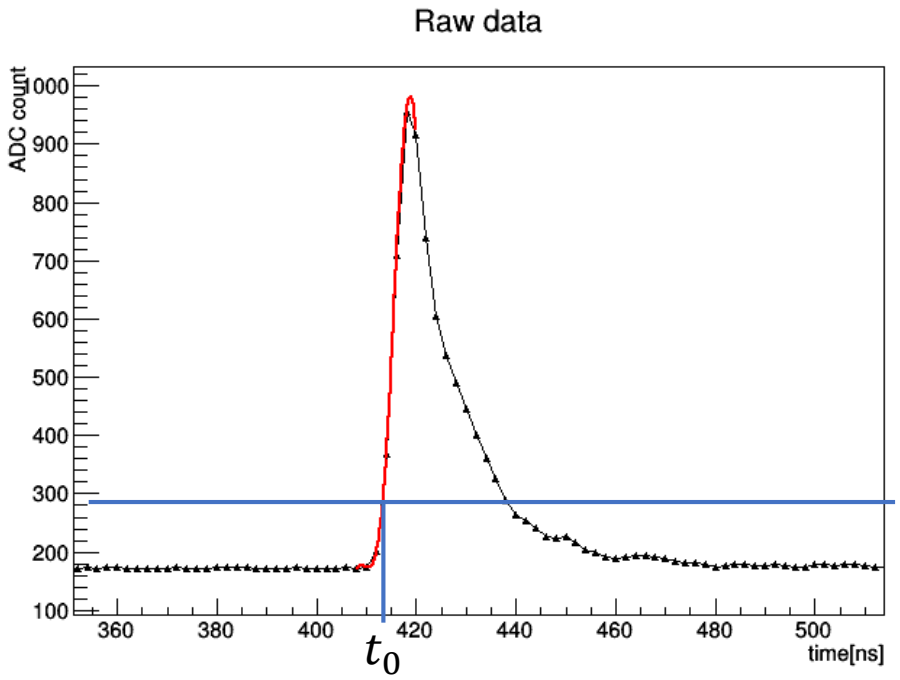
- Start time of a pulse = the time when pulse height becomes 10% of maximum pulse height
- Use inverse interpolation to find the start time.



Determination of Start Time(t_0)

- 2 point interpolation(left), spline interpolation(right)





(2 pictures depict different events)

dt_0 (ch2-ch1) distribution

- 2 point interpolation(left), spline interpolation(right)