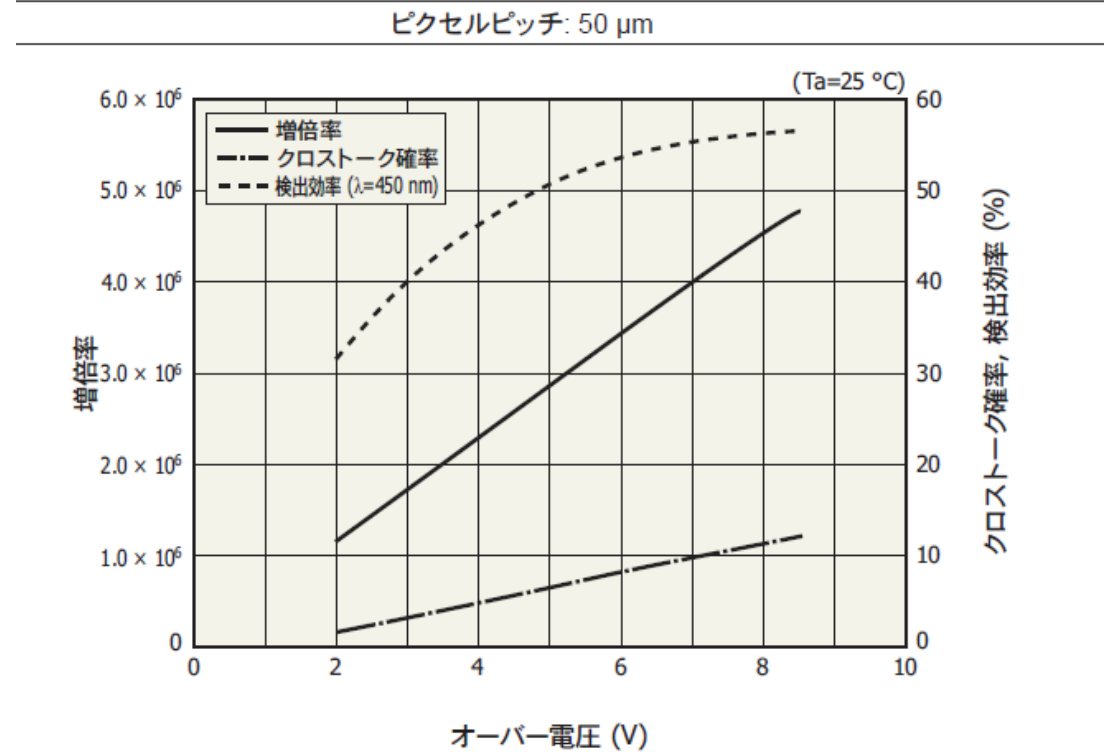
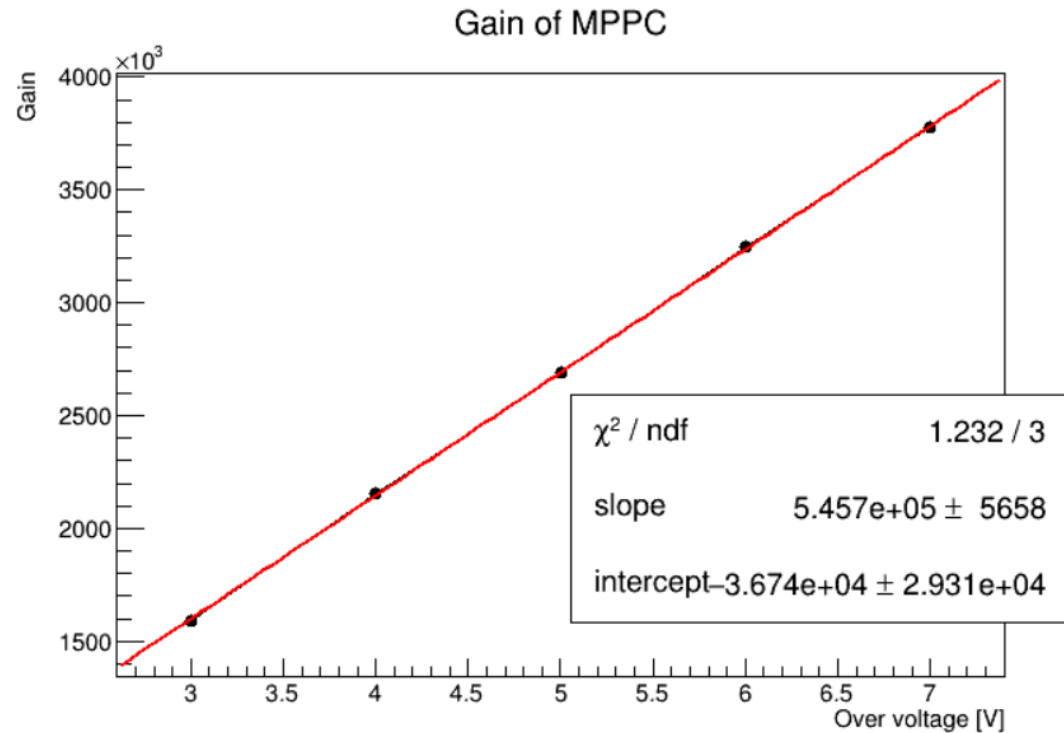


200311

Comparison with data sheet

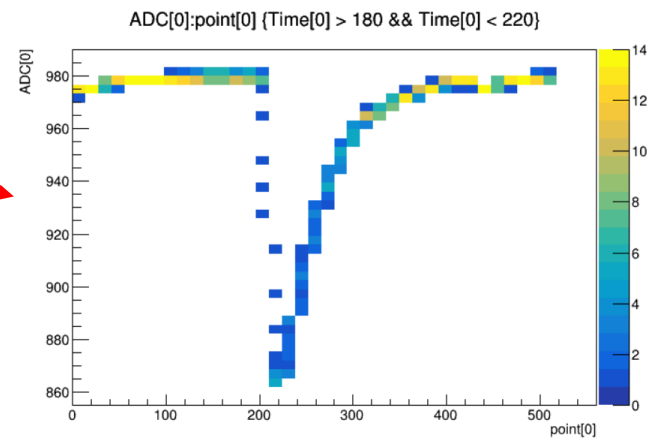
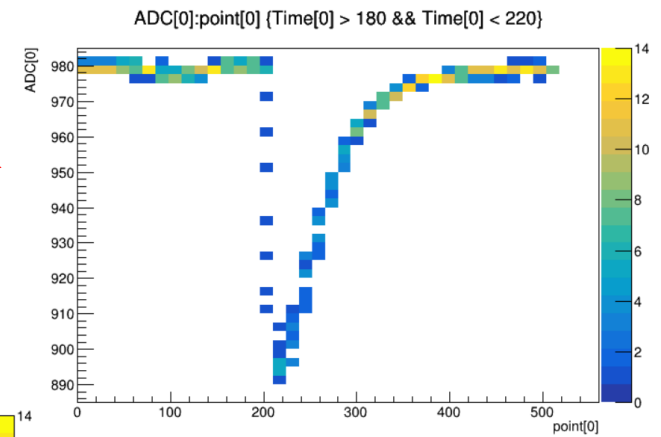
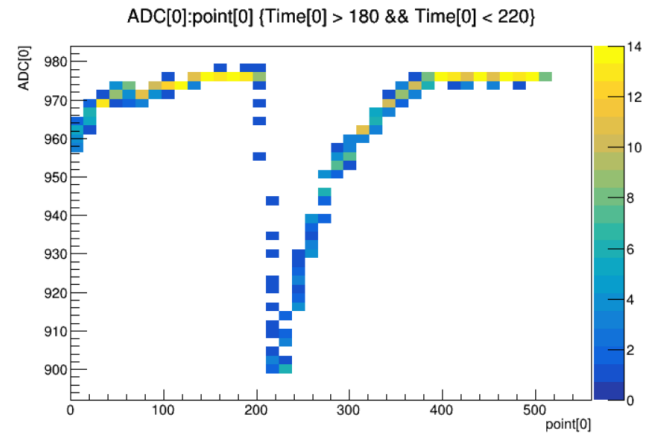
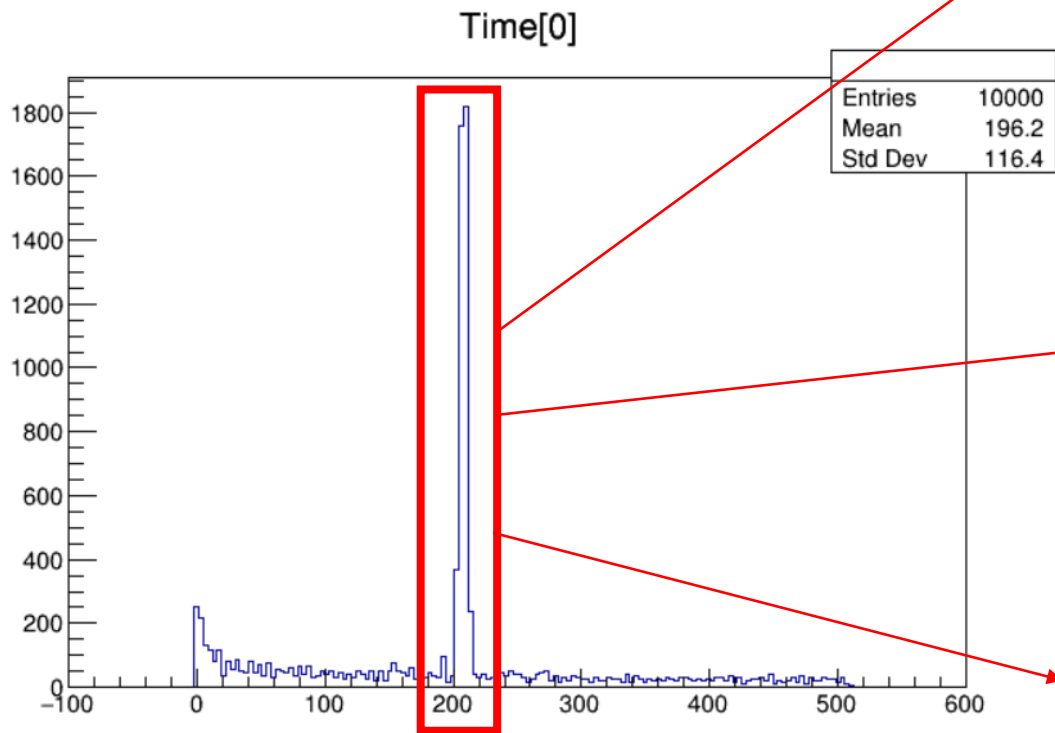


Time Resolution

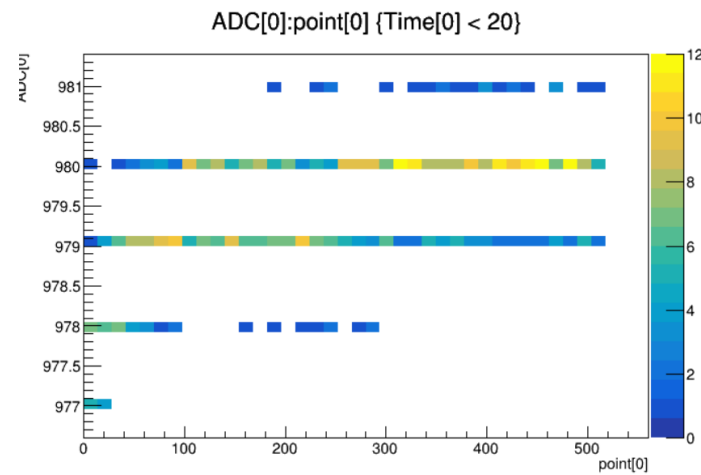
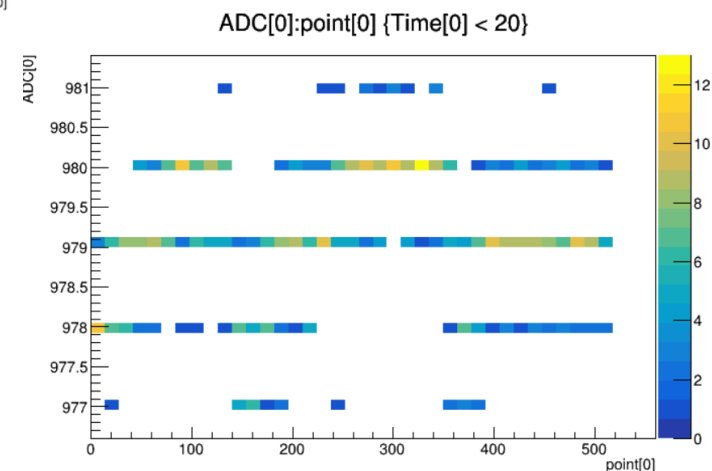
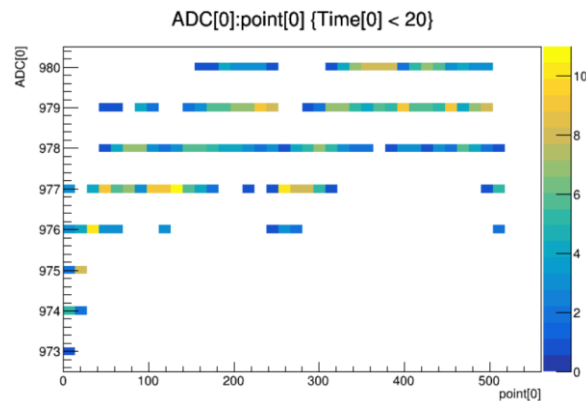
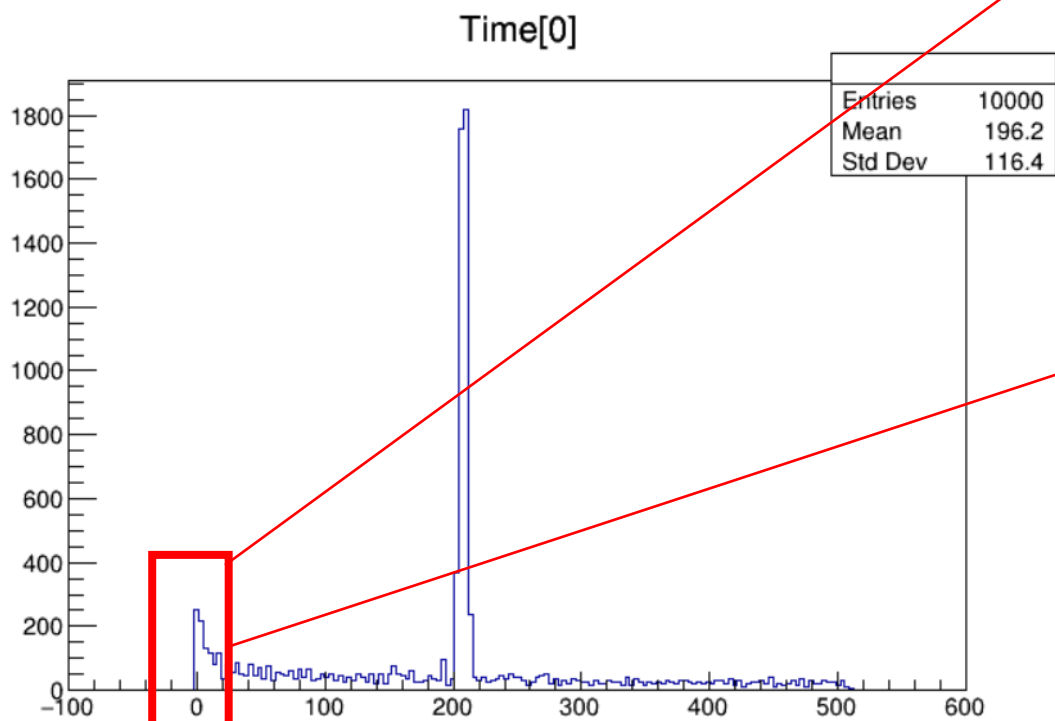
Constant Fraction Discriminator

- Time walk를 방지하기 위해, peak일 때의 전압을 기준으로 50%인 지점일 때의 시간을 time으로 정하였다.
- 그리고 양 끝에서 받은 시간의 차이가 얼마나 균일하게 나타나는지 확인하였다.

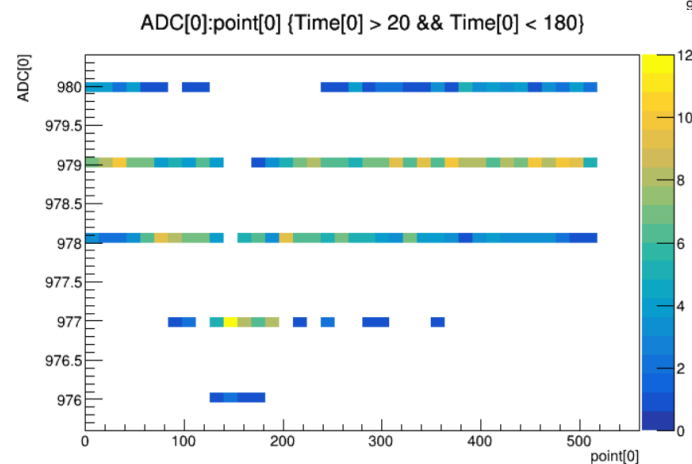
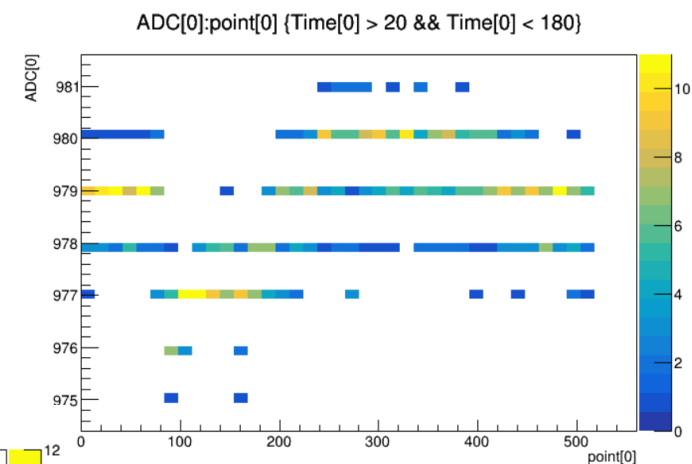
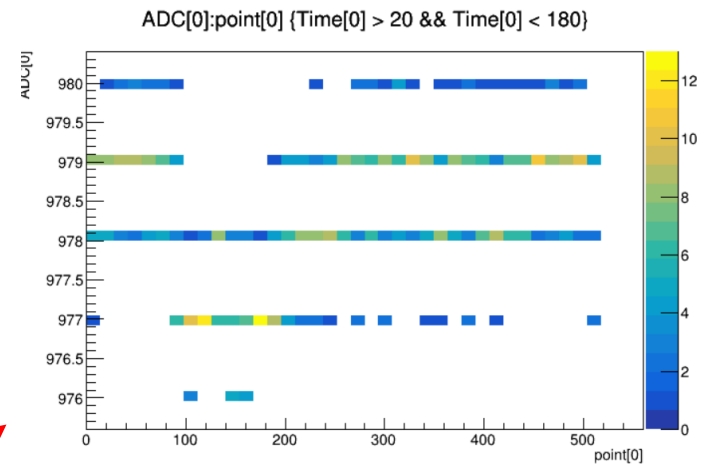
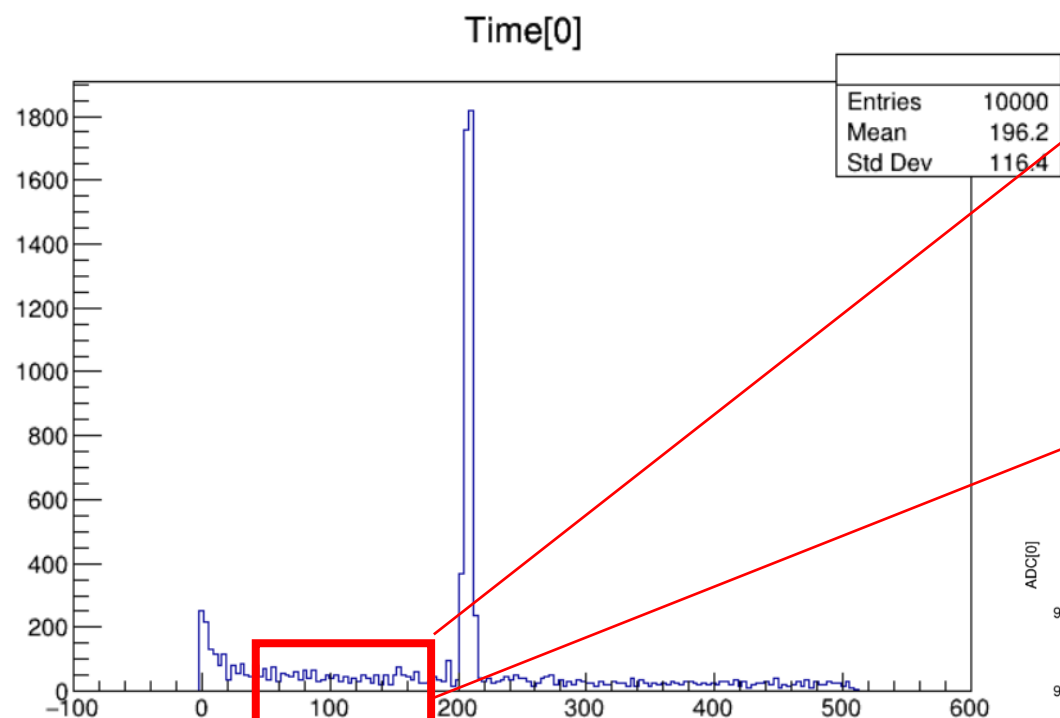
Source_amp1_3 ch0



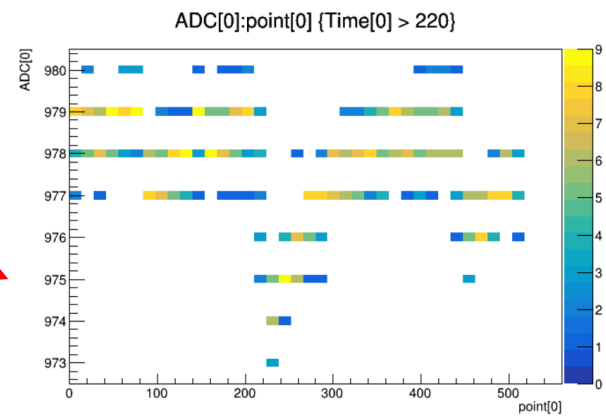
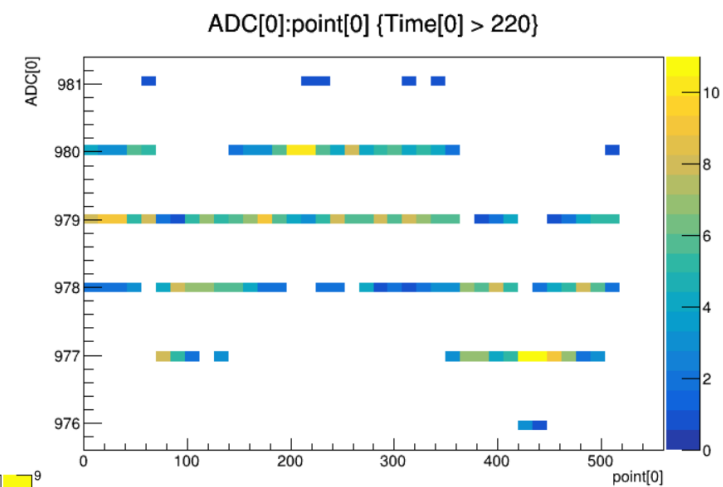
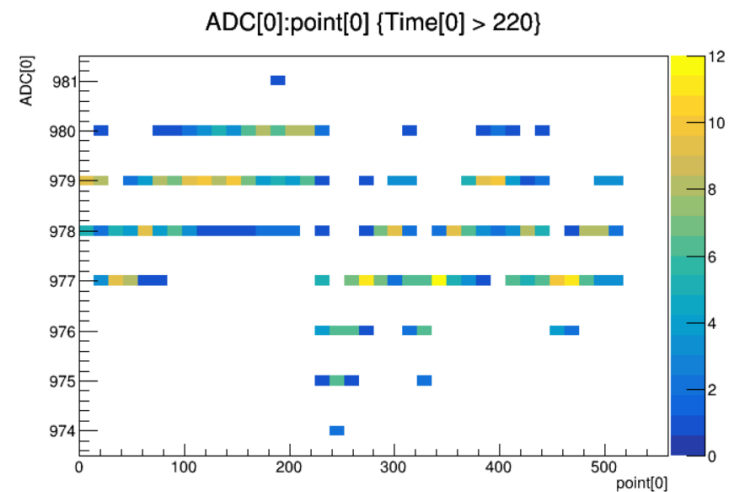
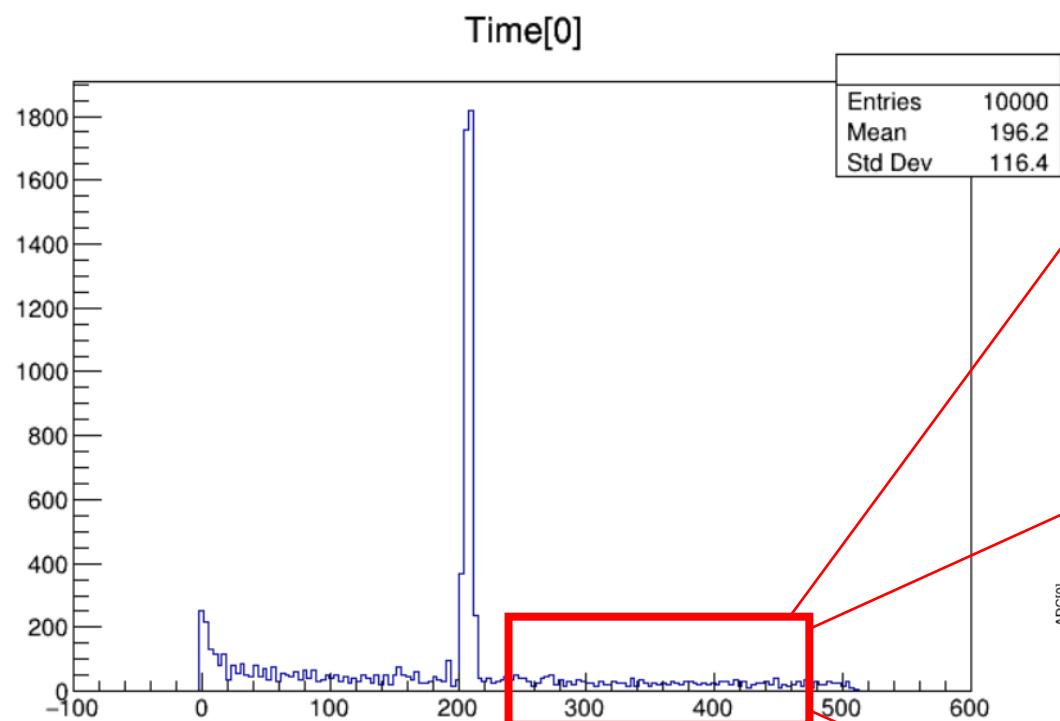
Source_amp1_3



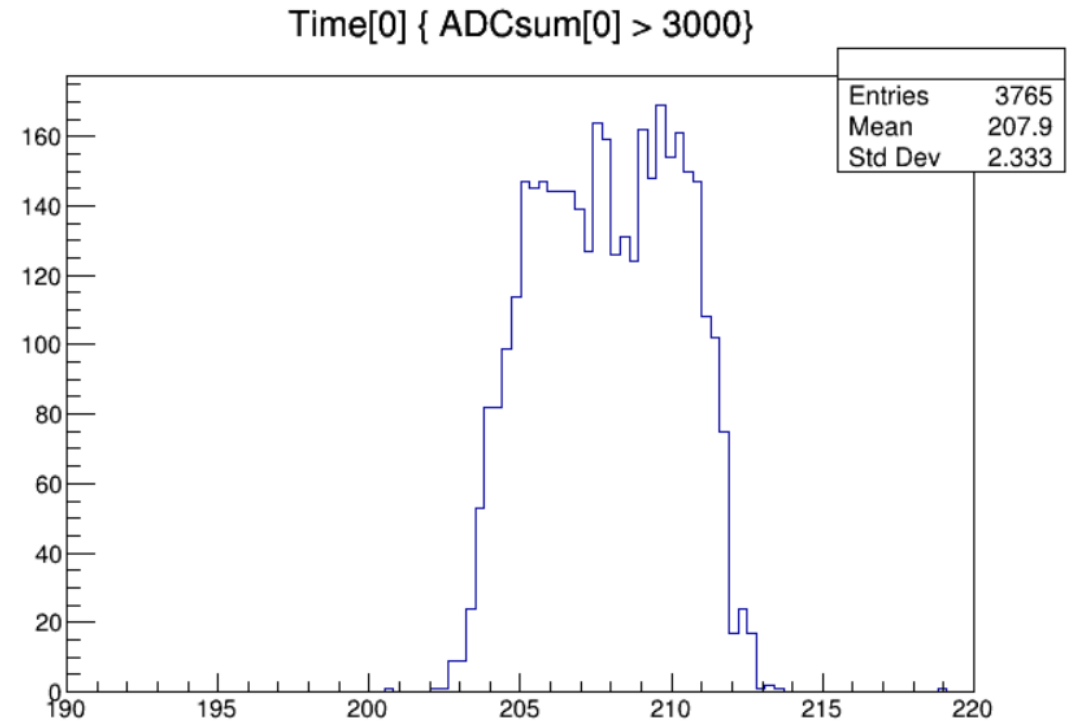
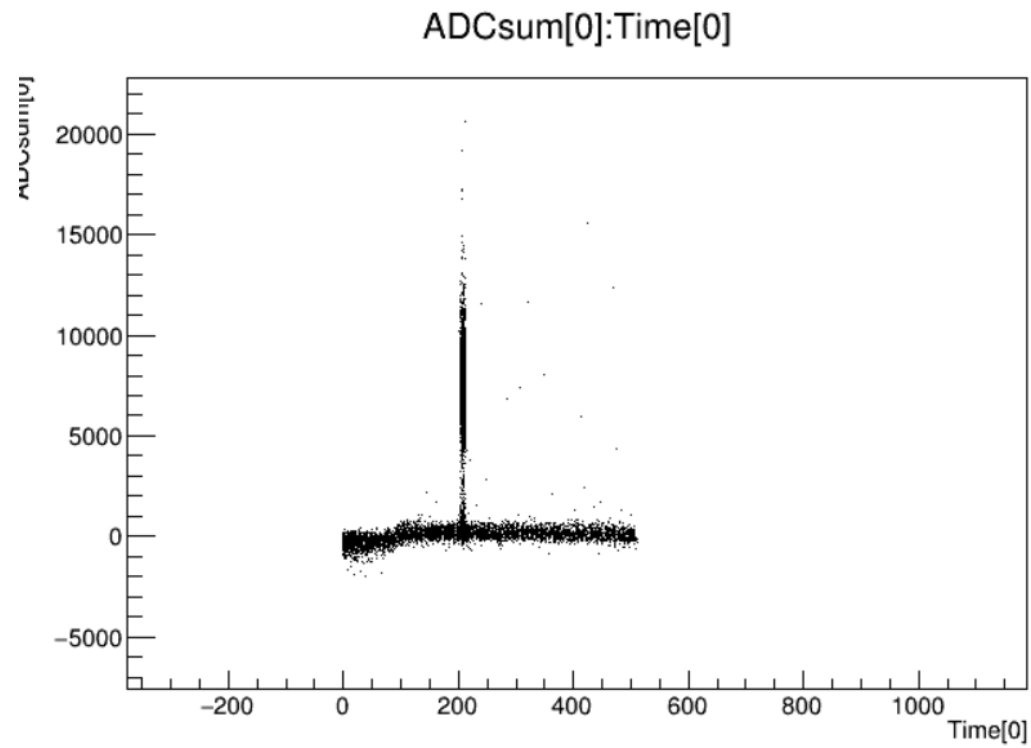
Source_amp1_4



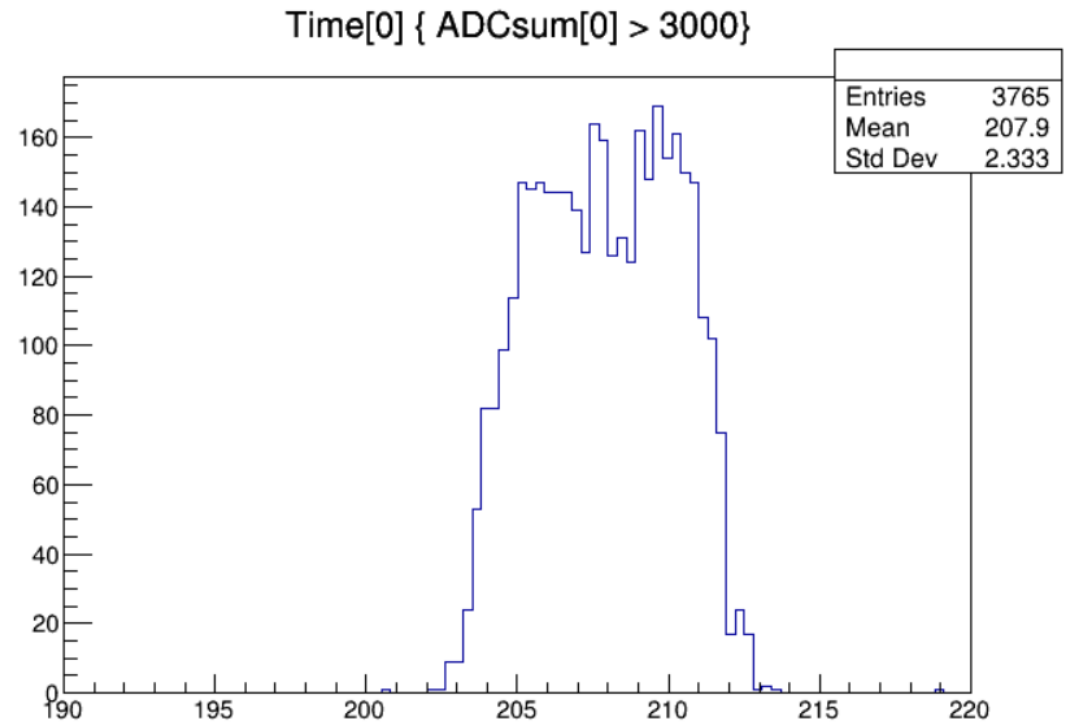
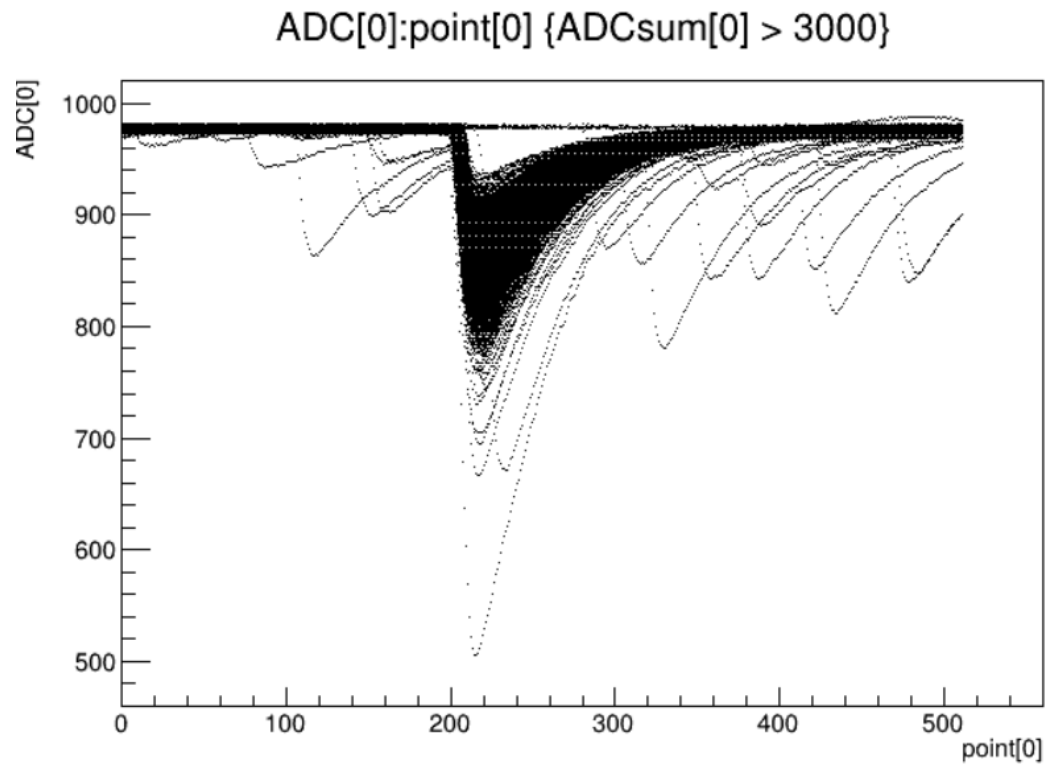
Source_amp1_3



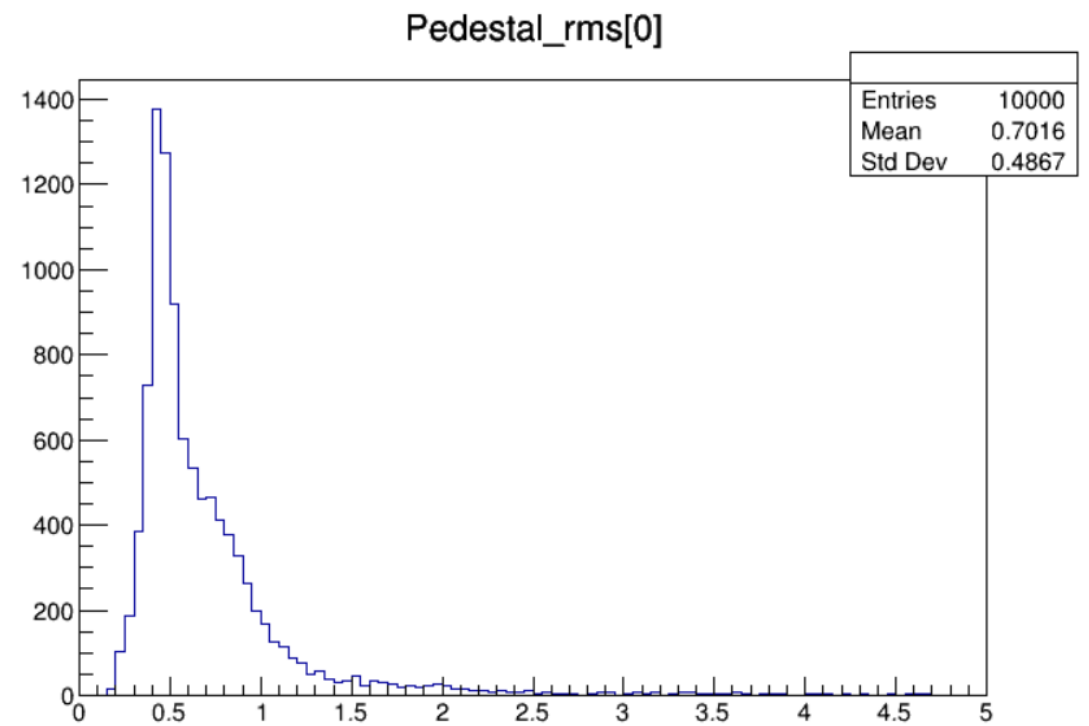
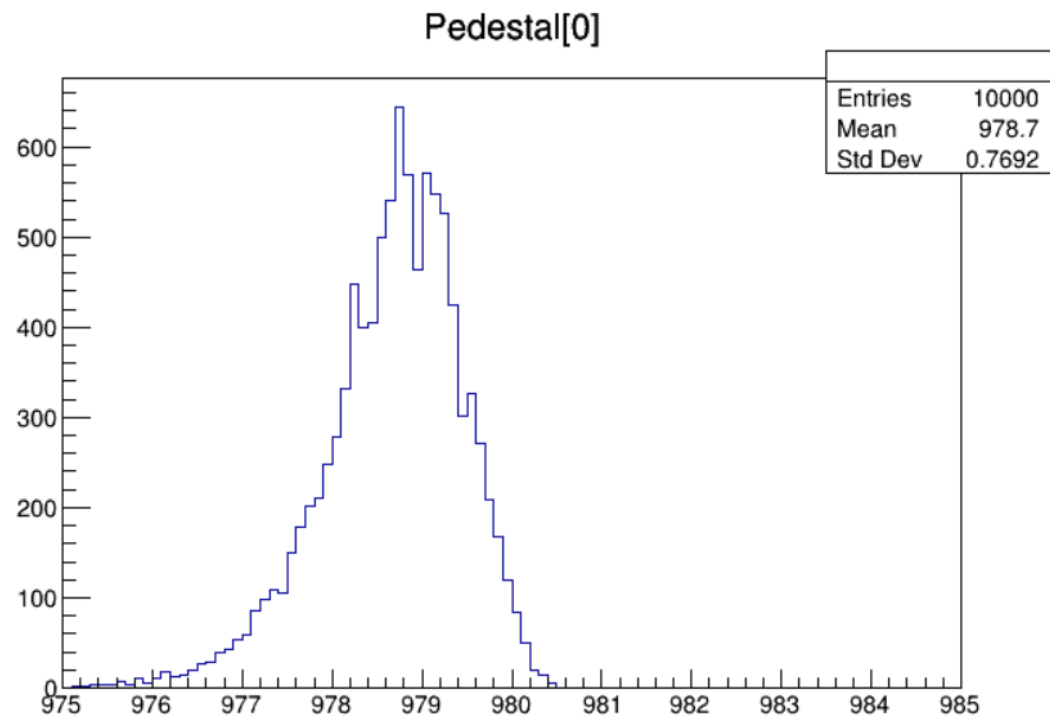
Cut condition



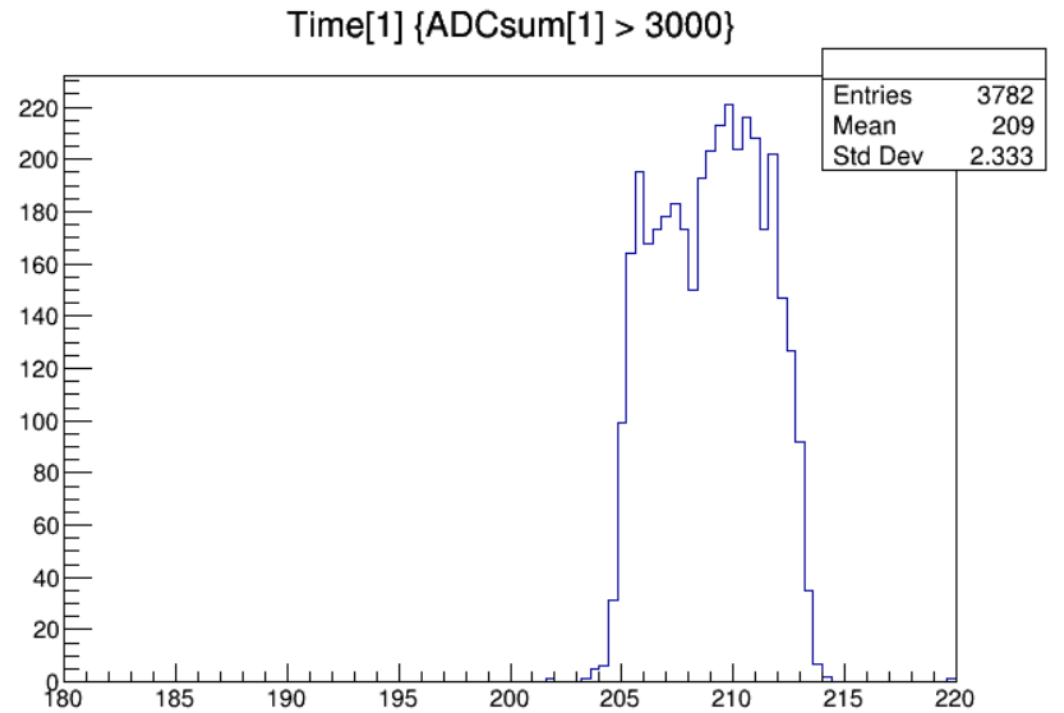
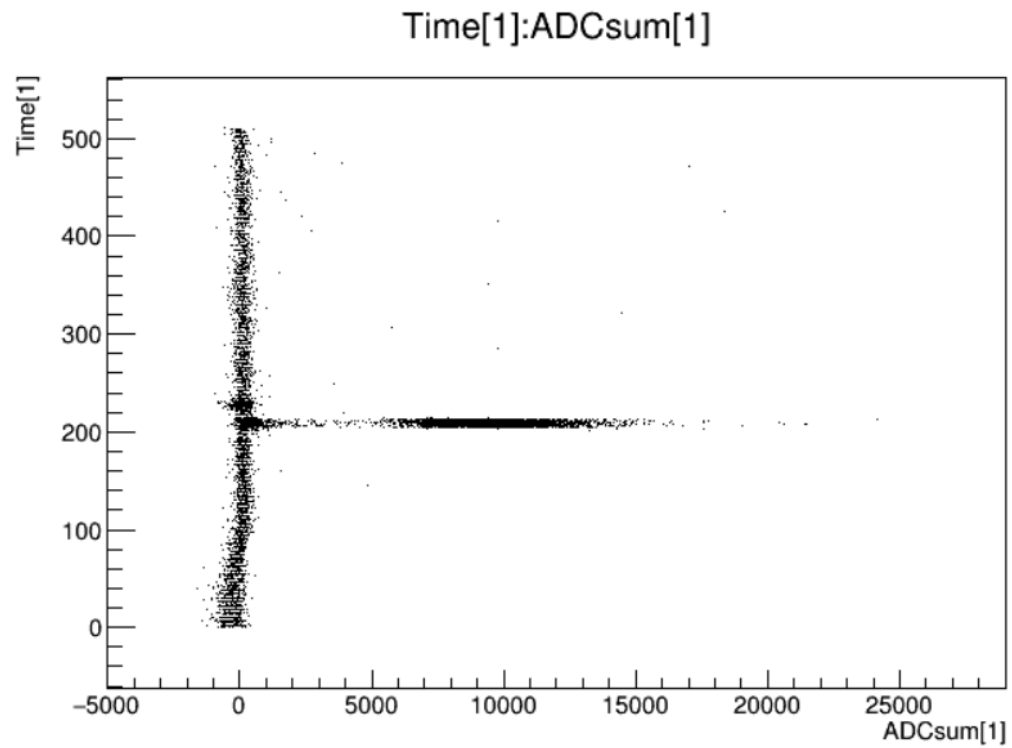
Waveform and Time



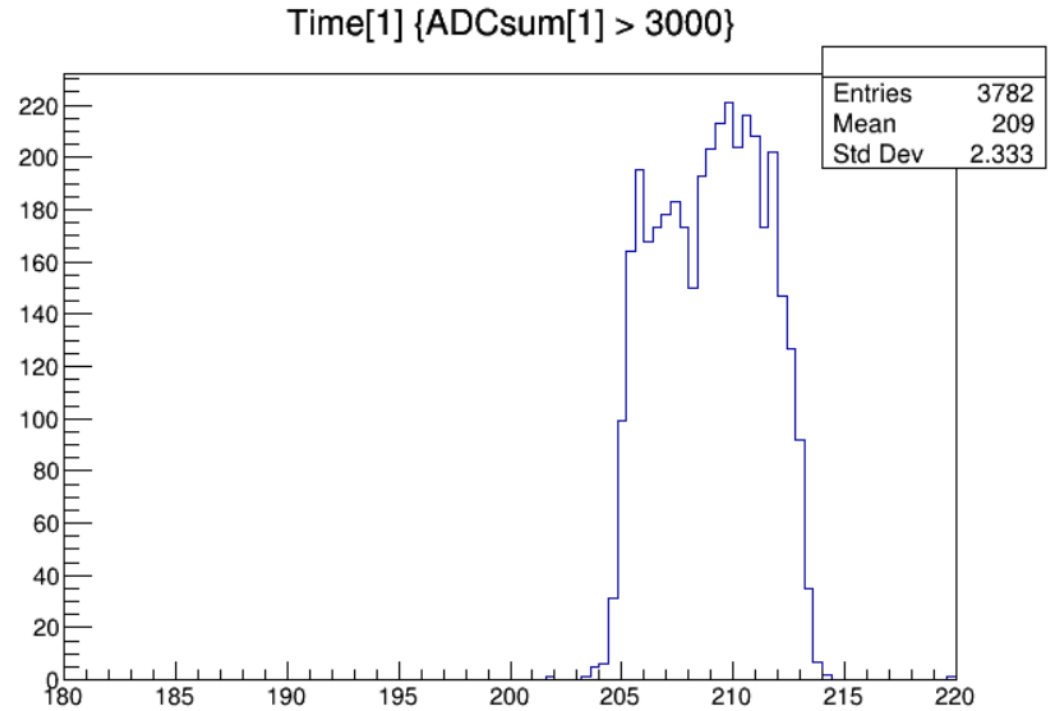
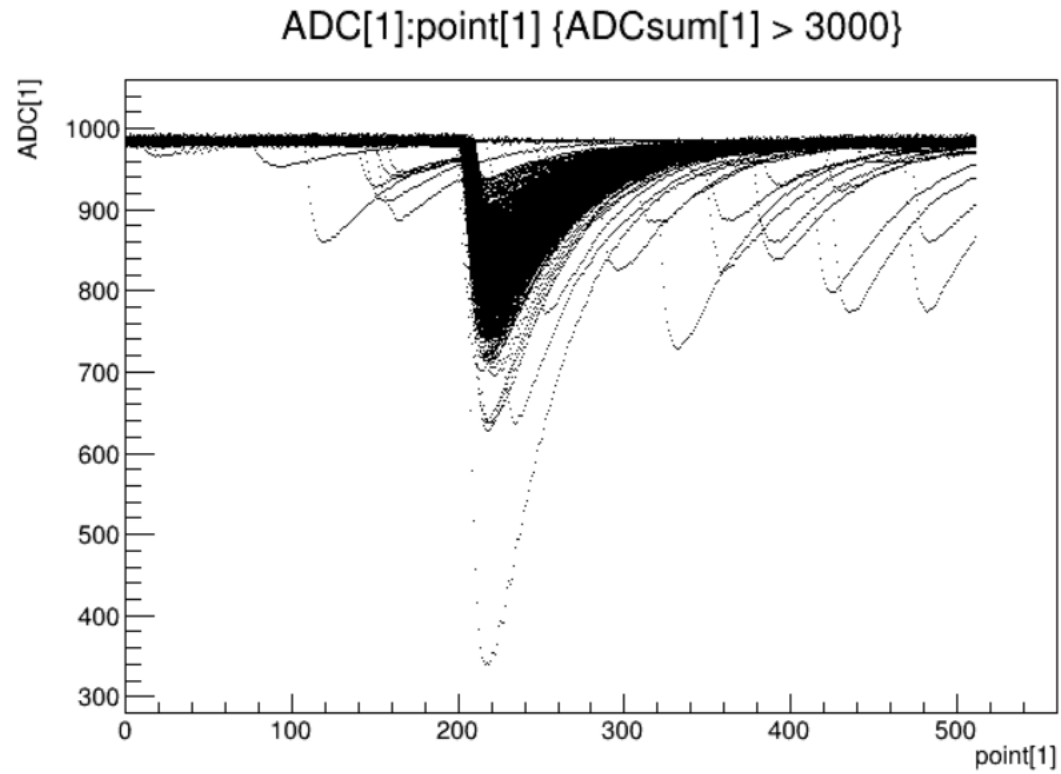
Pedestal?



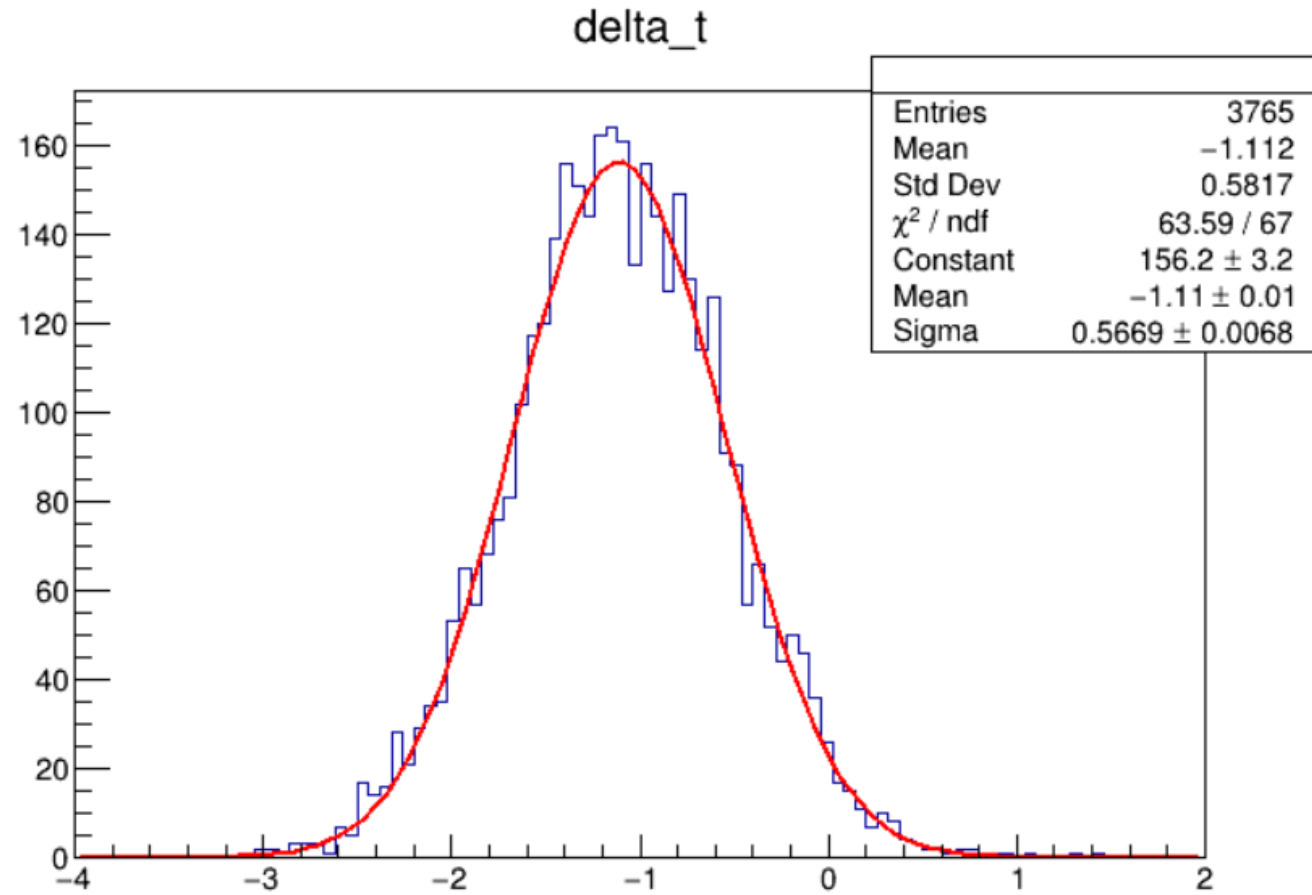
Source_amp1_3 ch1



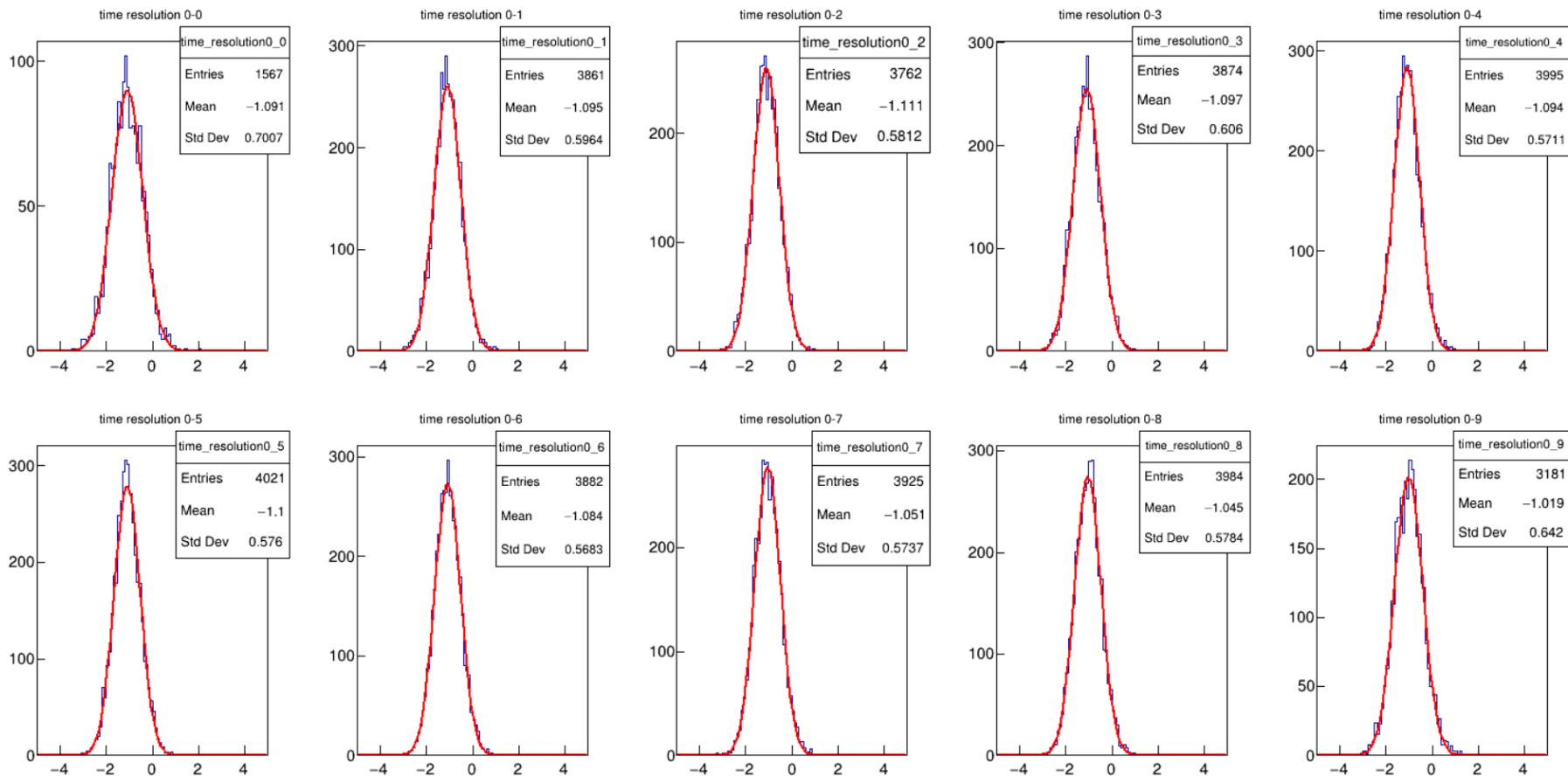
Waveform and Time



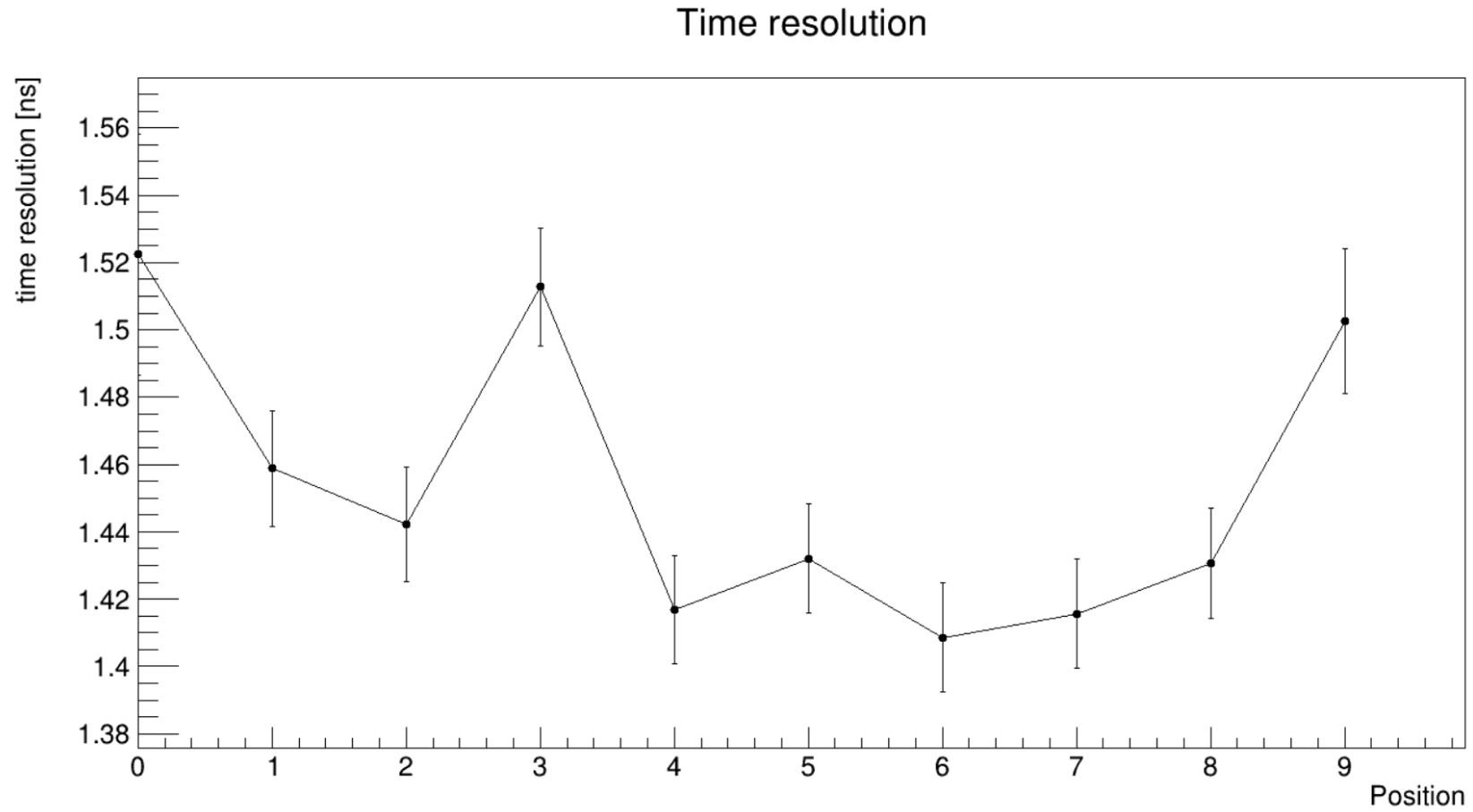
Time Resolution



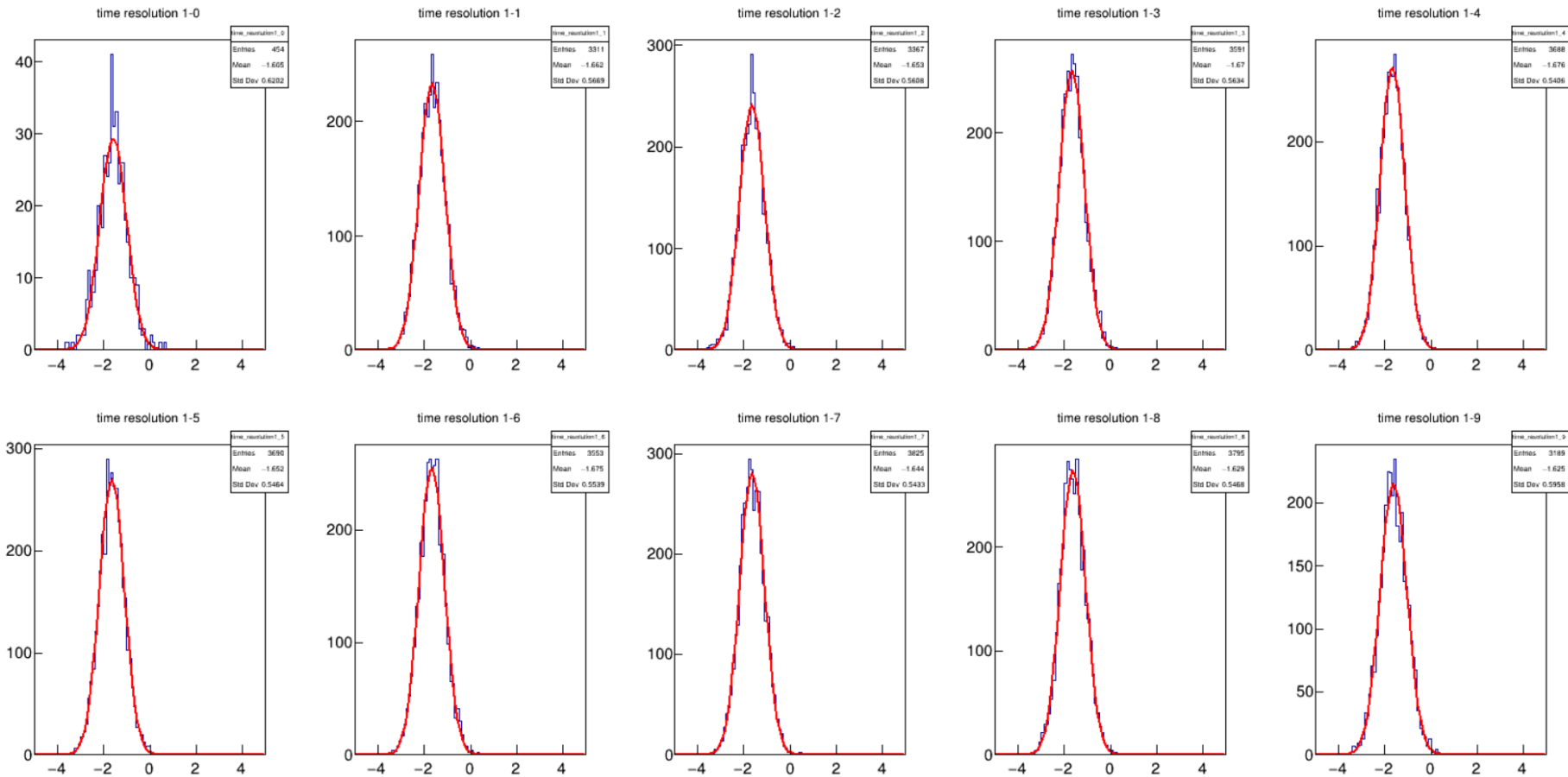
Fitting Results(5cm)



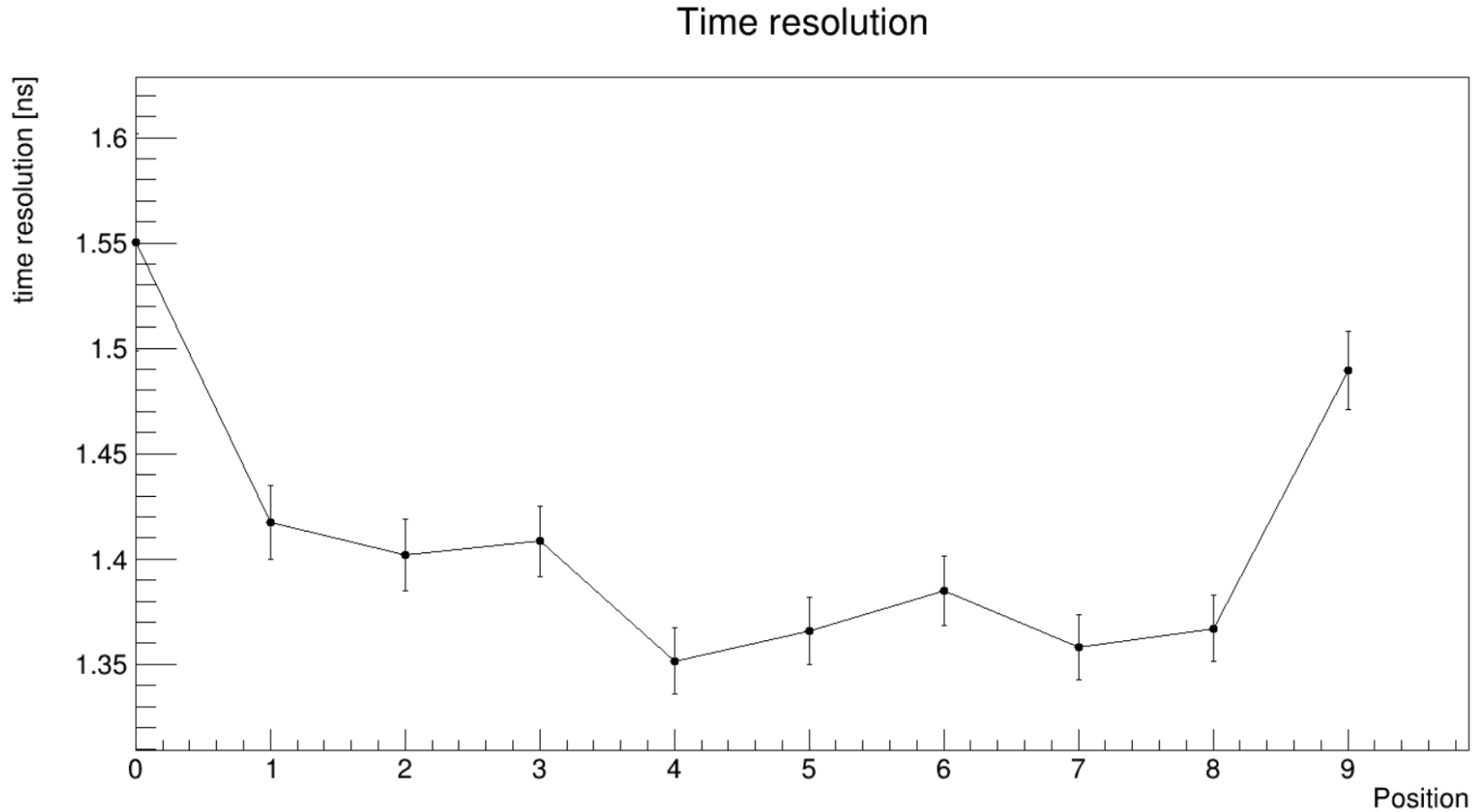
Time resolution



Fitting Results(cm)

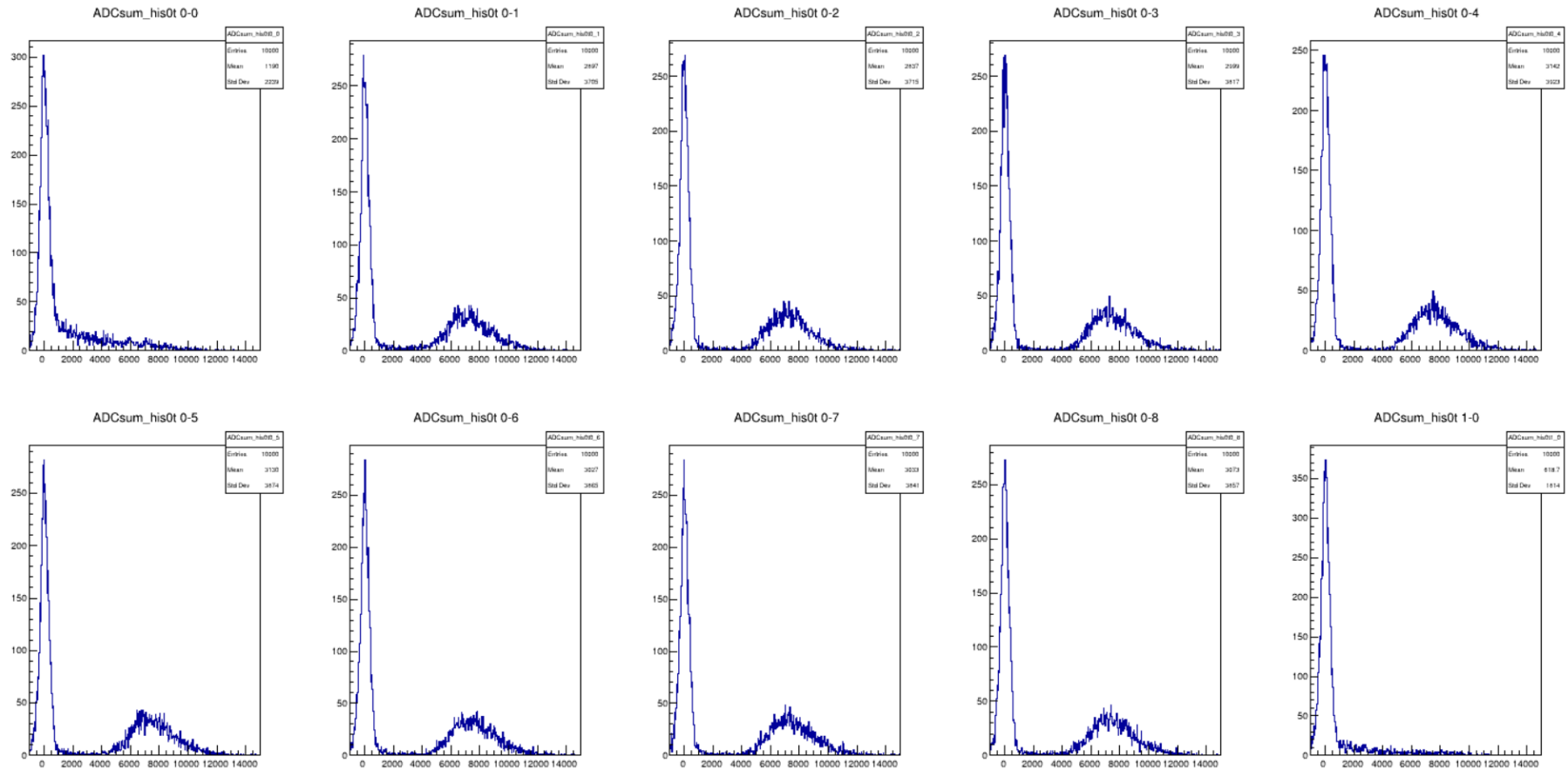


Time resolution

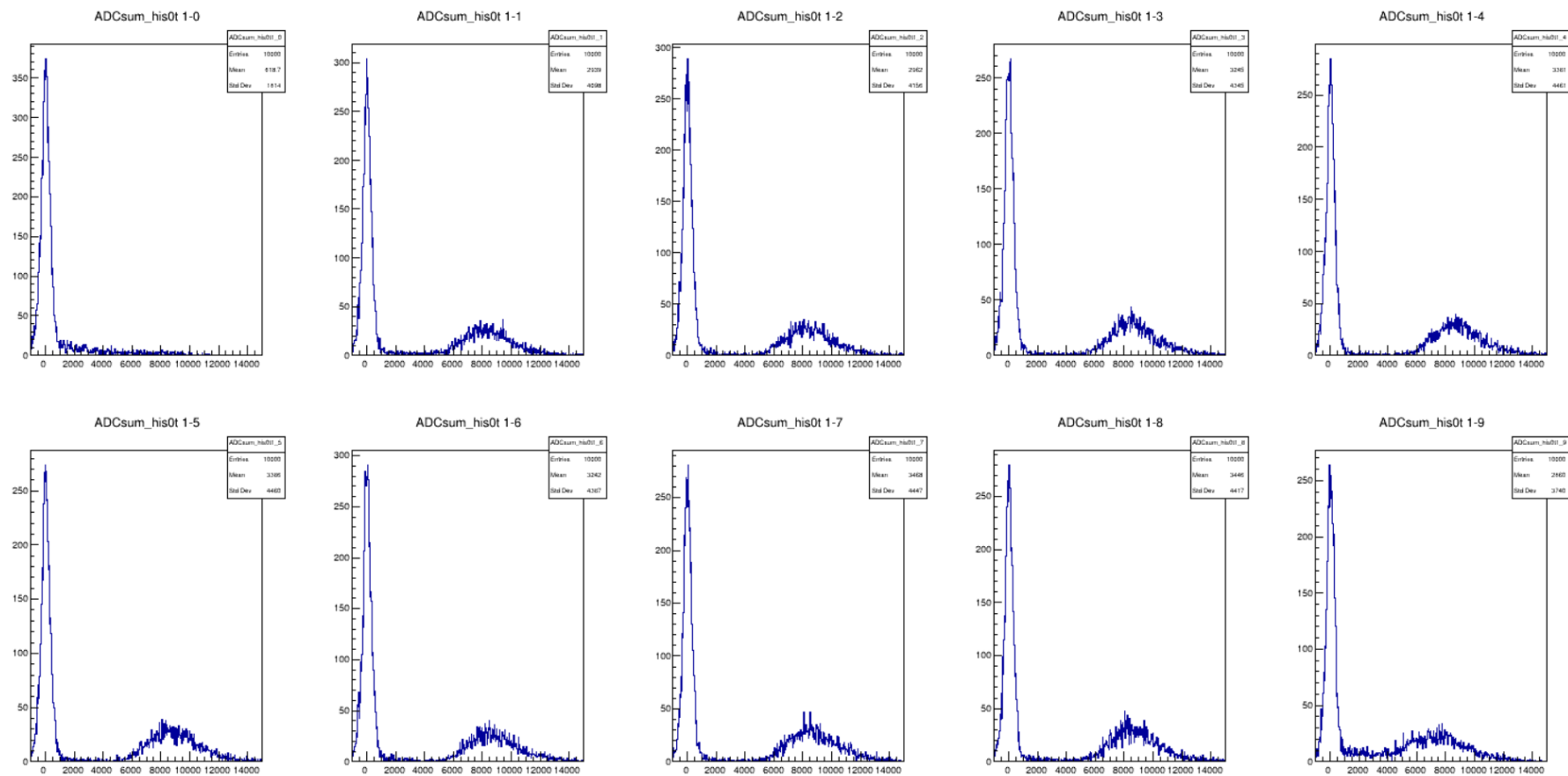


Attenuation length

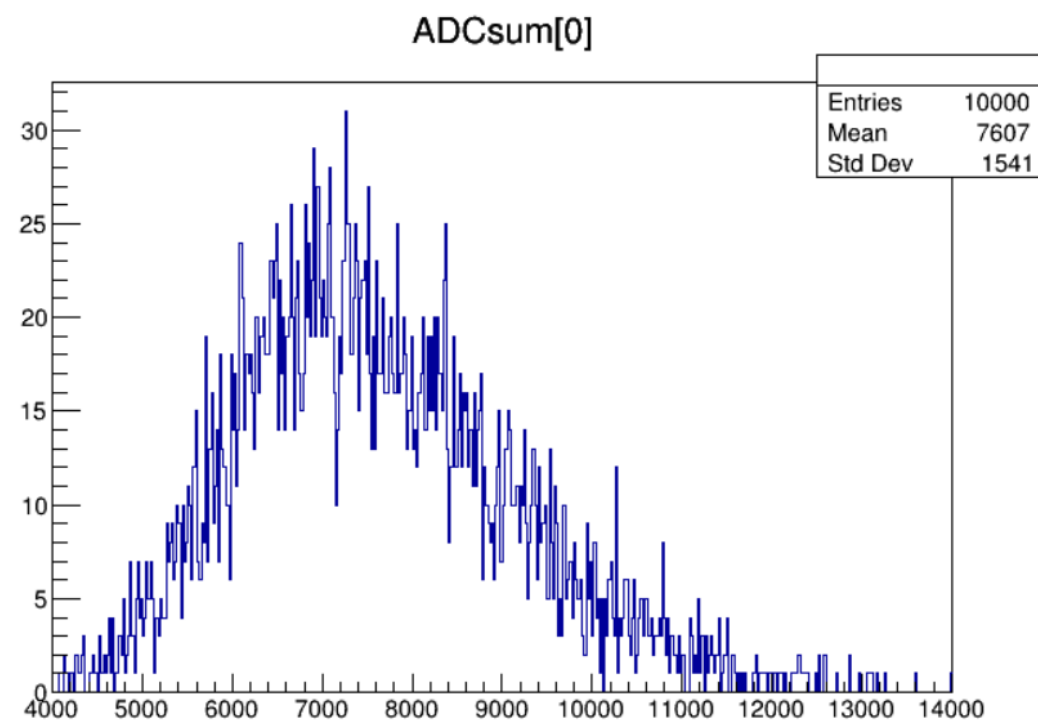
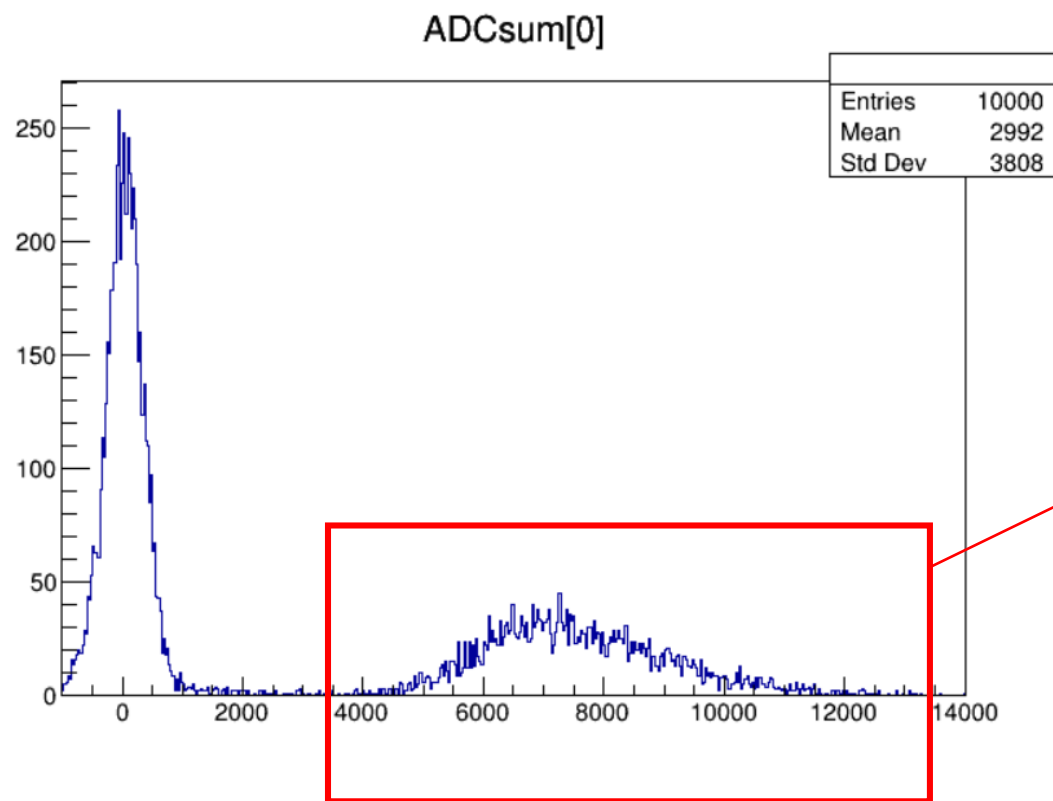
Histogram 1



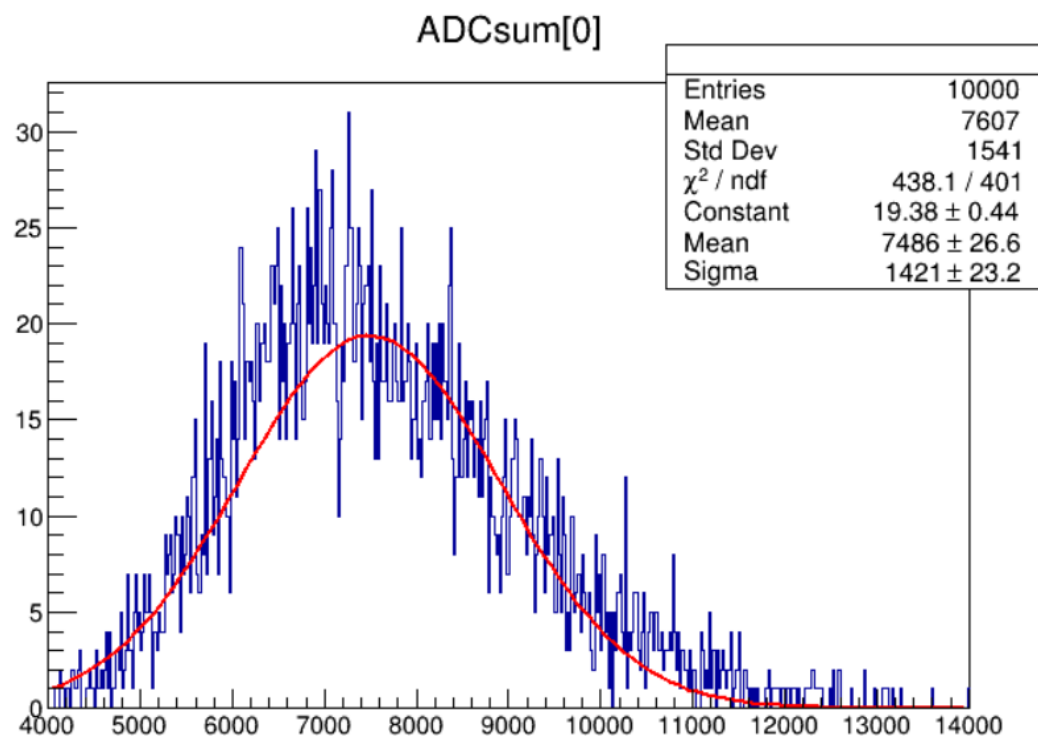
Histogram 2



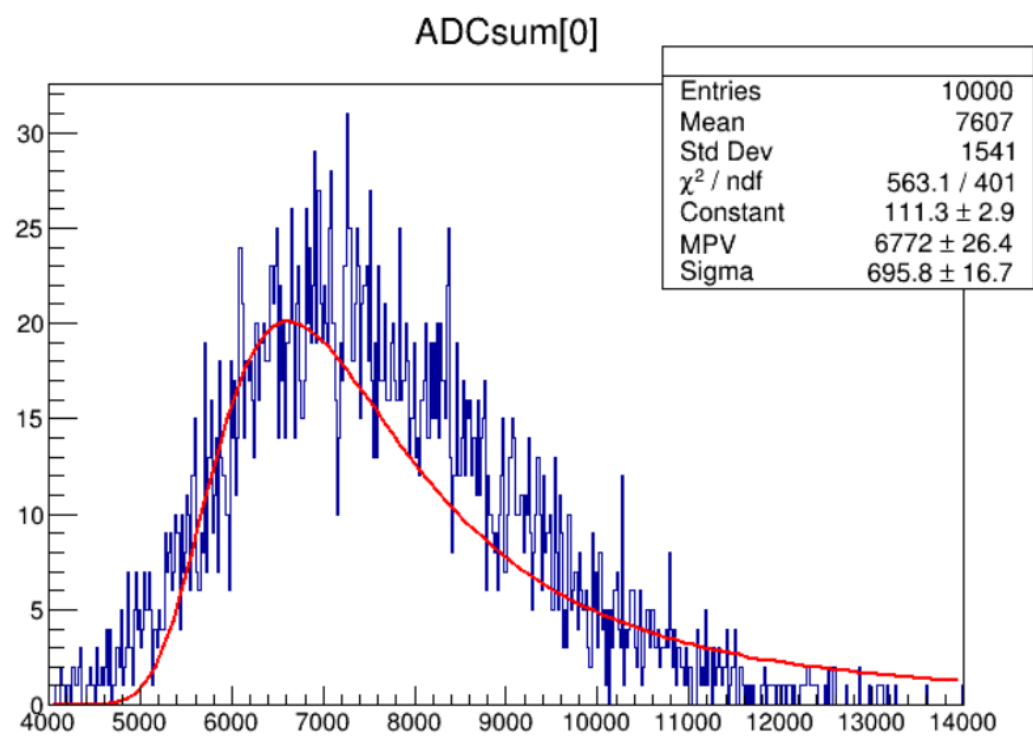
Source_amp1_4



Fitting

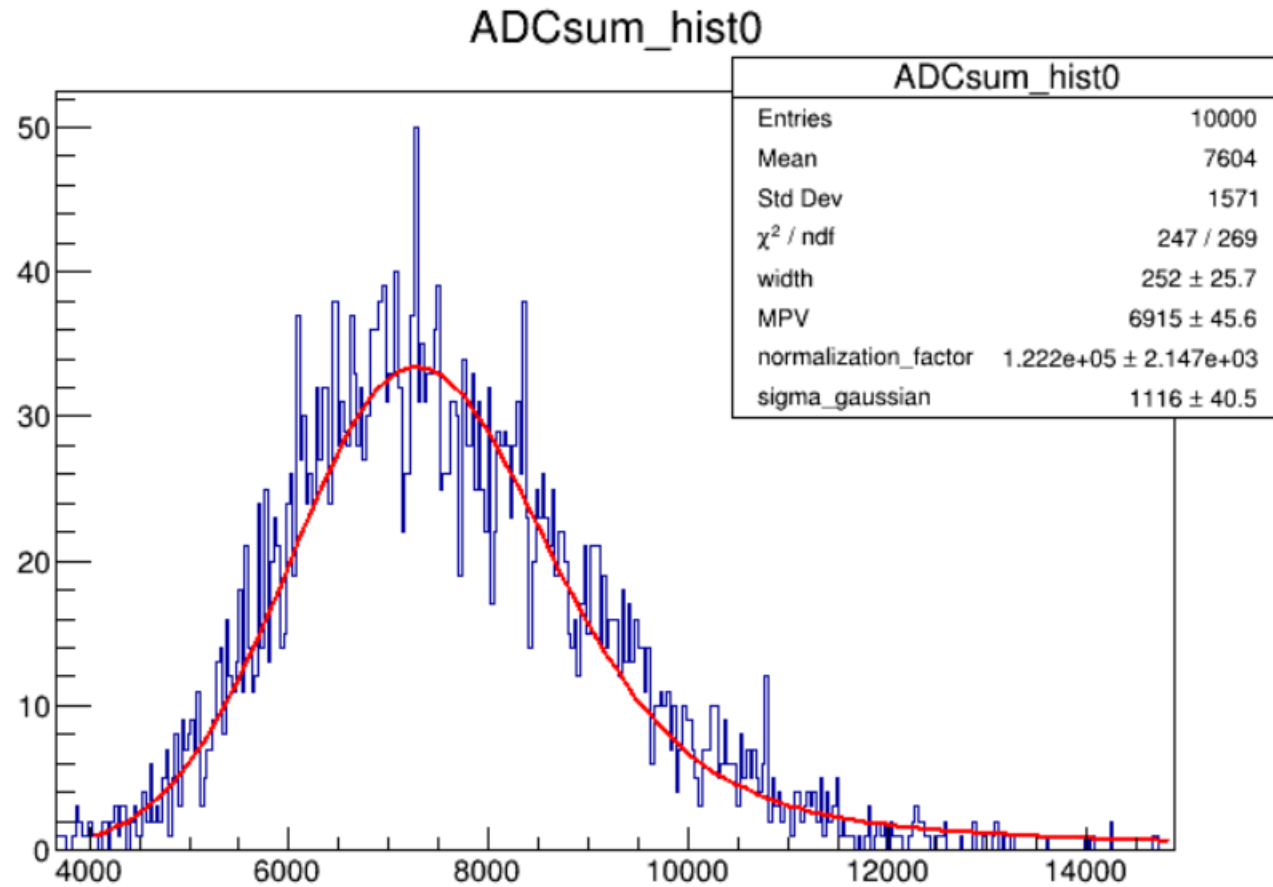


Gaussian fitting

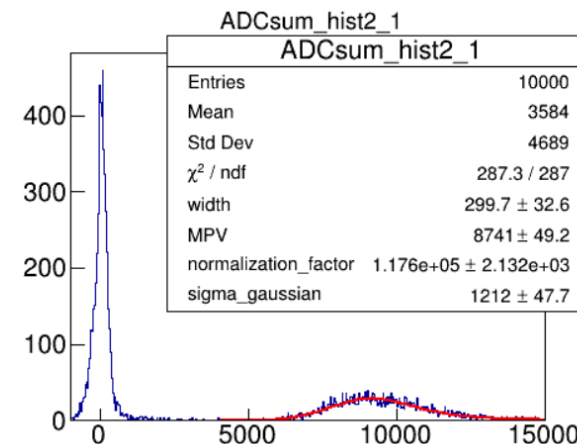
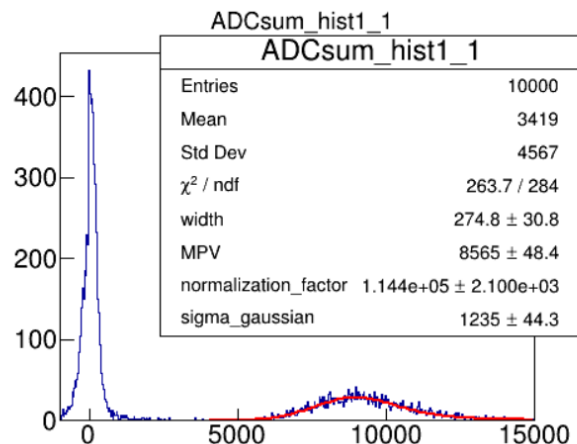
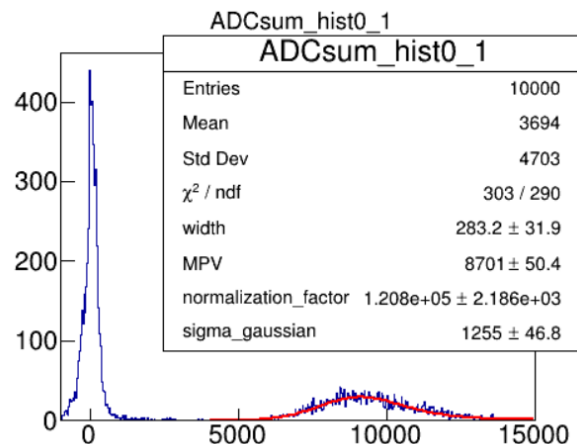
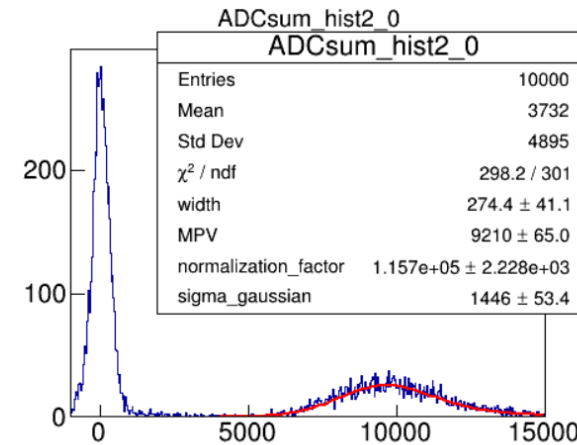
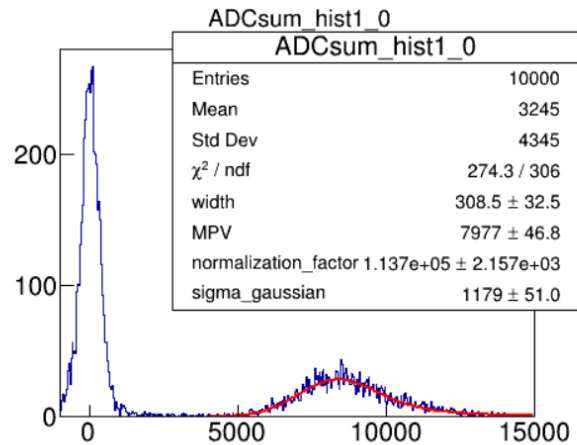
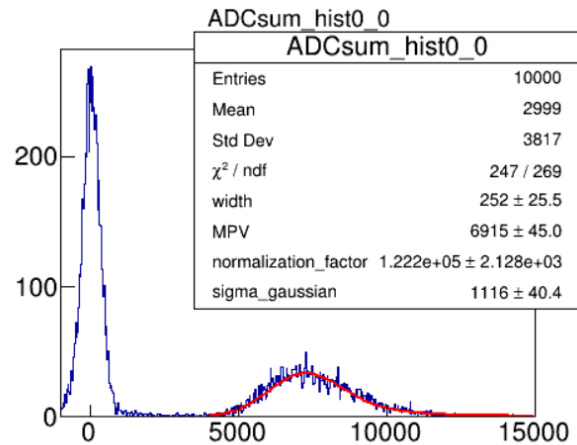


Landau fitting

Landau convoluted Gaussian



너비 방향 45.2 mm 높이가 12/20/35 cm



Attenuation length

