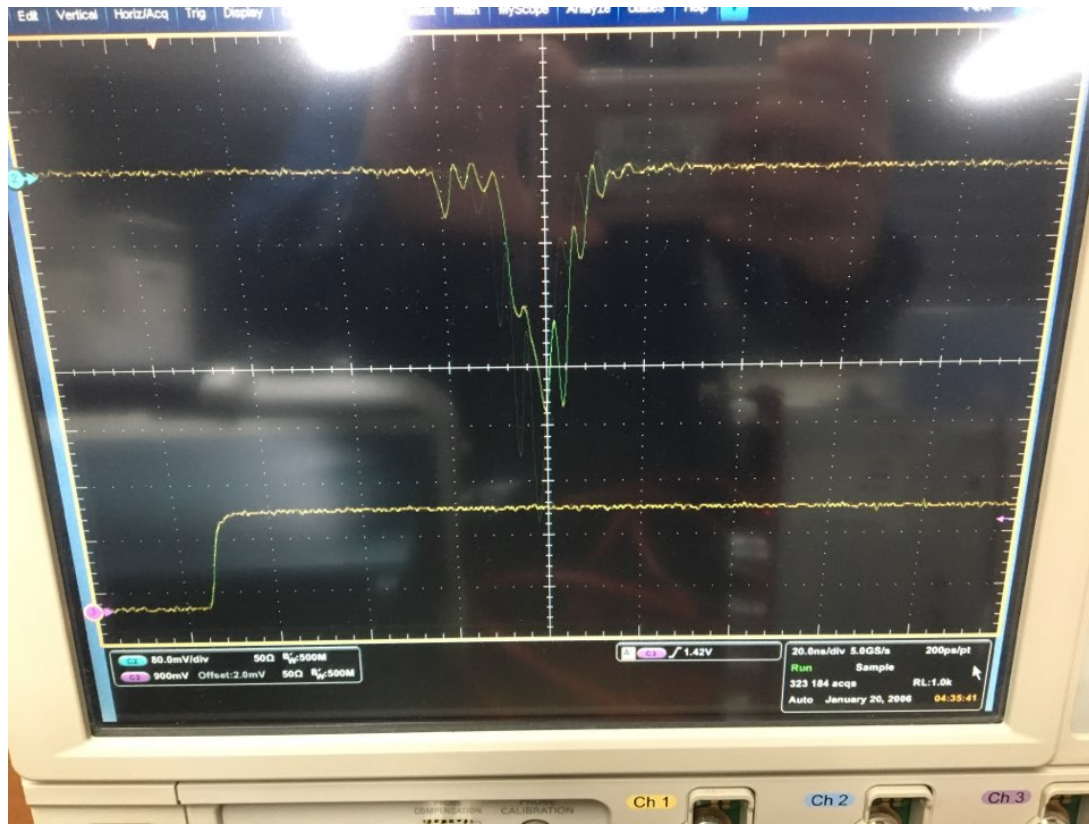


Gain 측정

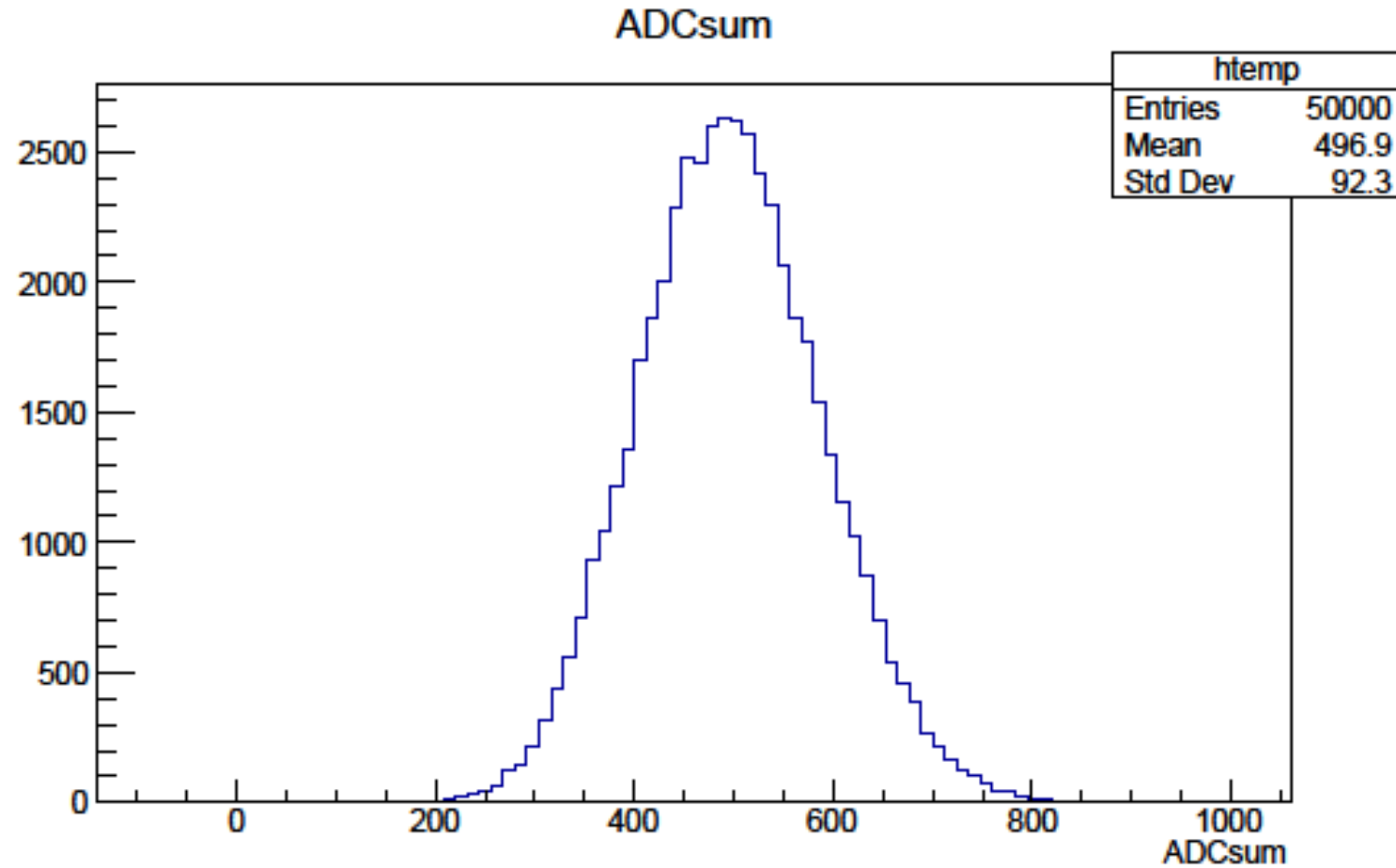
2019. 09. 24. 오소라

Gain 측정

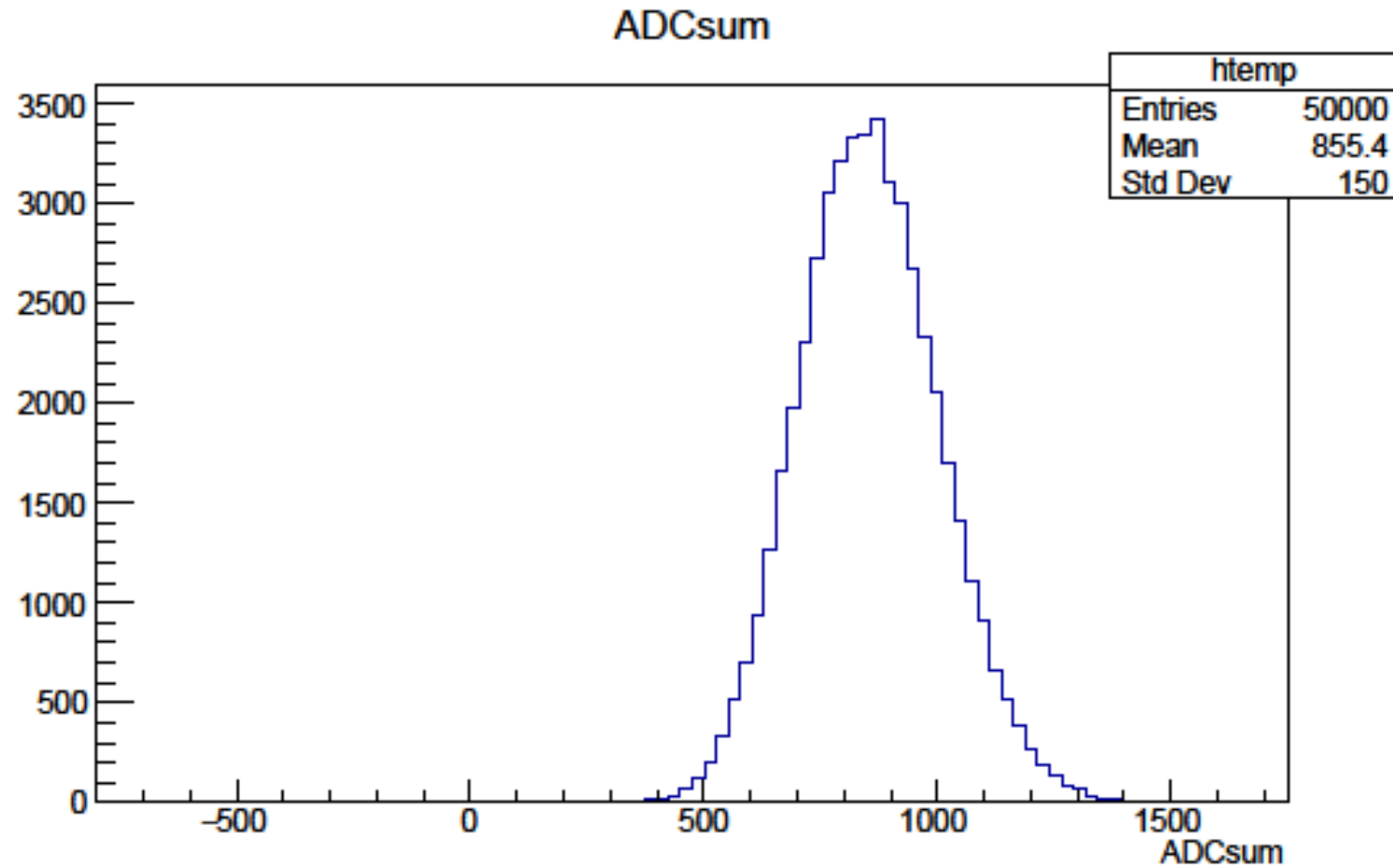


- Amplitude[v] : 2.95
- High Voltage[v] : 1500, 1600, 1700, 1800, 1900
- Amplitude[v] : 2.95
- Pulse Width [ns] : 40
- Lead Edge[ns] : 9.9
- Tail Edge[ns] : 9.9
- Frequency[kz] : 1
- Event 50000

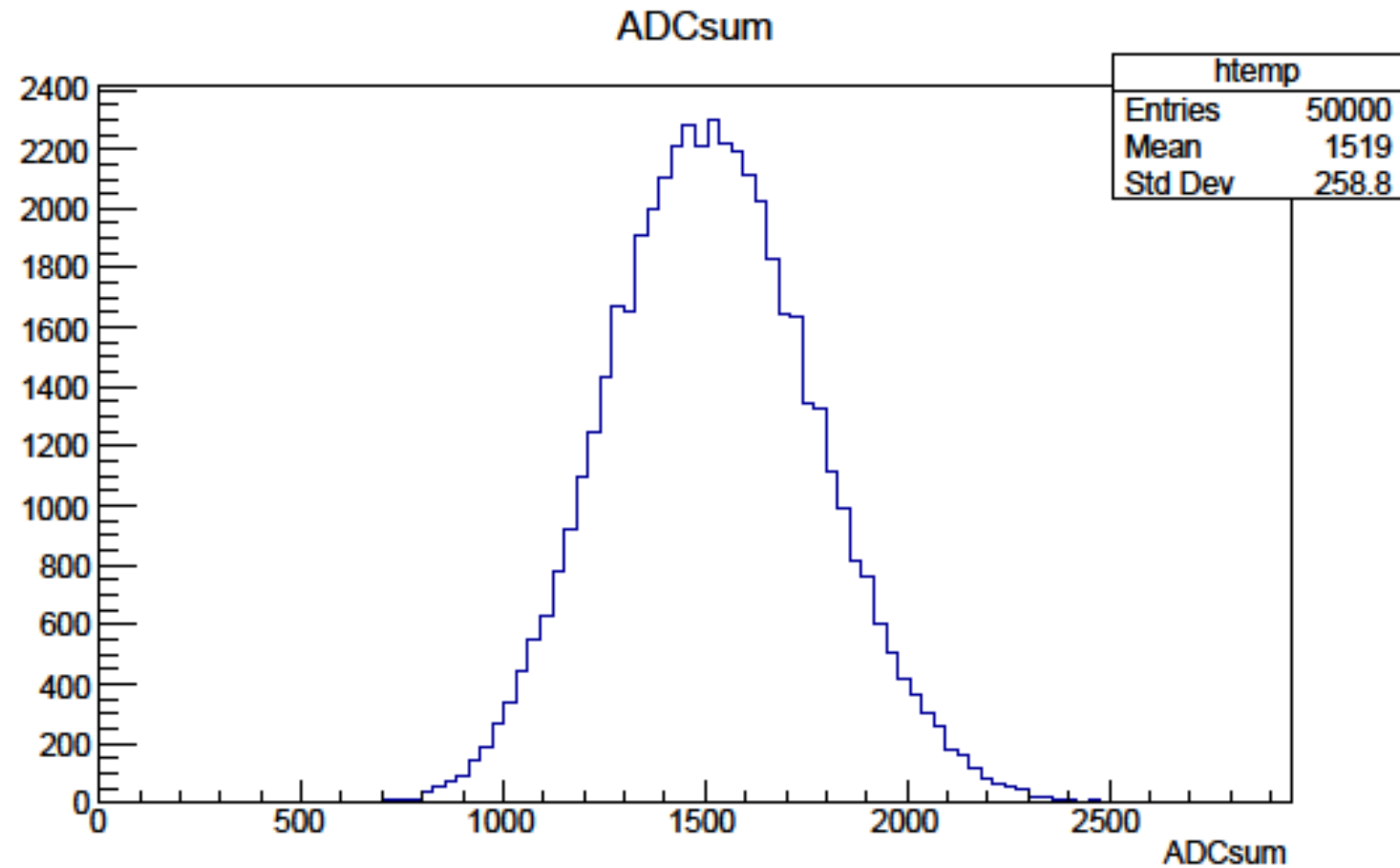
1500V



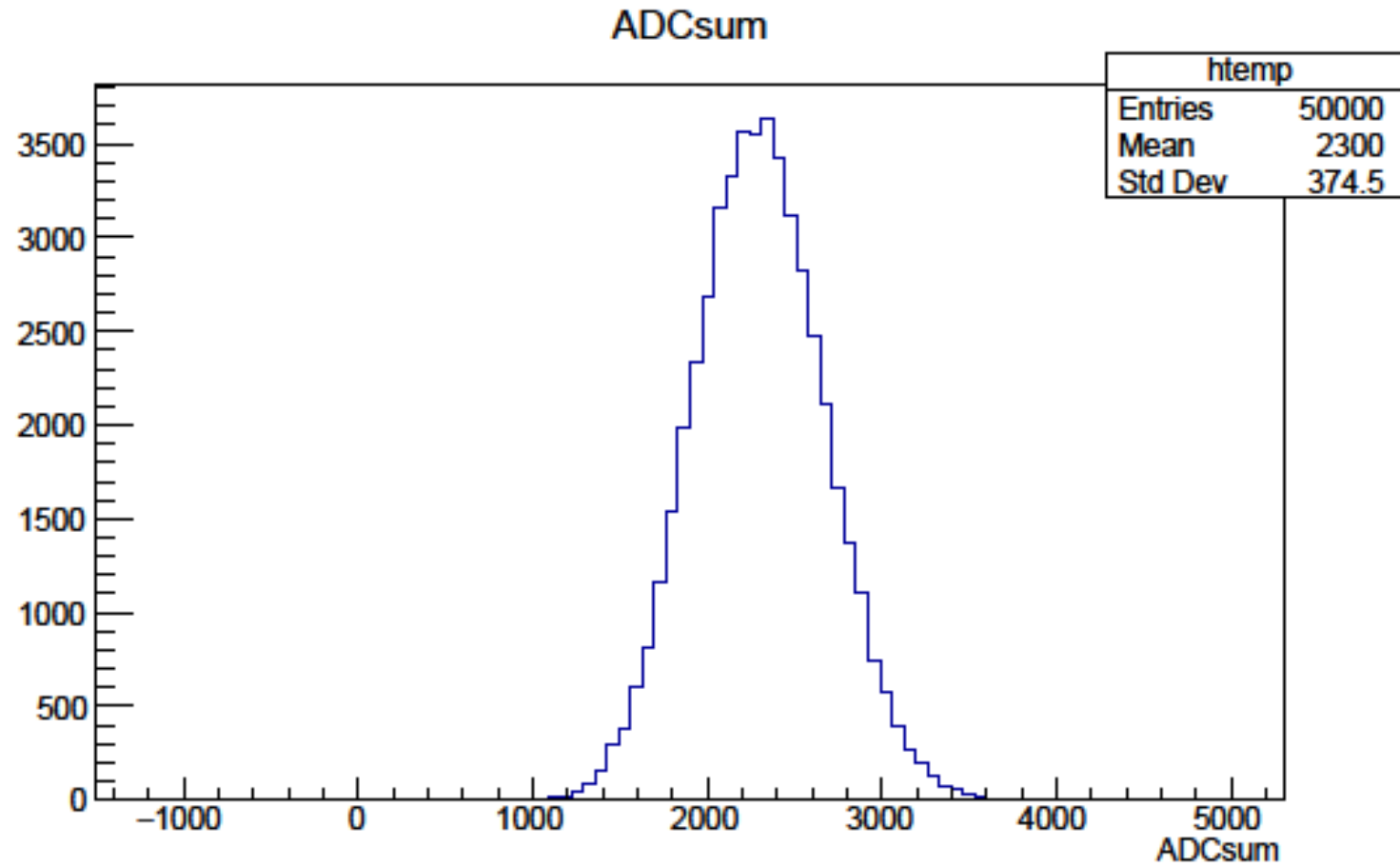
1600V



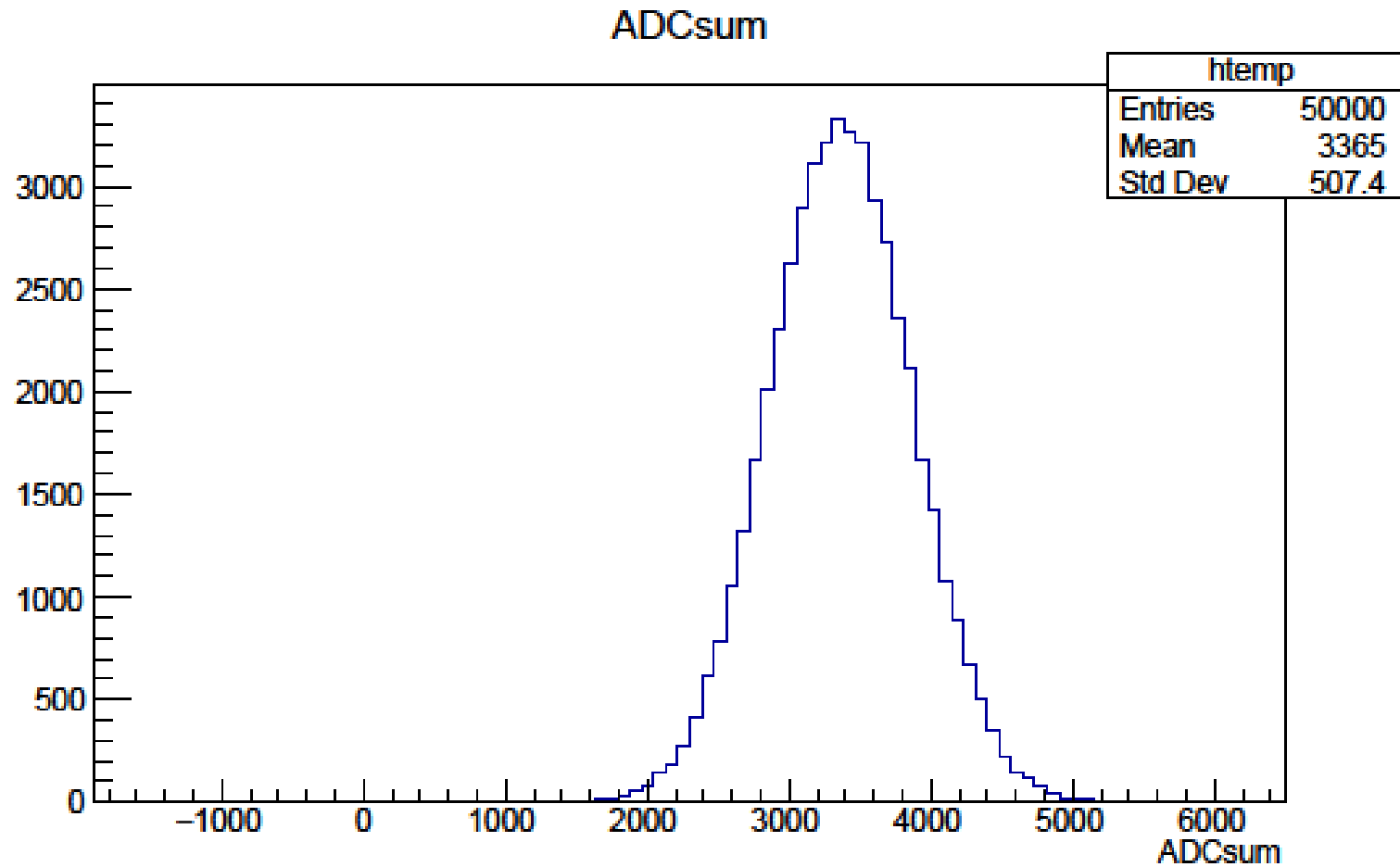
1700V



1800V



1900V



결과값

High Voltage[v]	Mean	표준편차
1500	496.9	92.3
1600	855.4	150
1700	1519	258.8
1800	2300	374.5
1900	3365	507.4

To Do List

- Root로 히스토그램 그리기
- Bethe-Bloch 공식 공부
- 두께 1cm인 플라스틱 신틸레이터에 2 GeV/c 운동량을 갖는 뮤온이 입사하는 경우 에너지값 구하기
- Geant4 적용