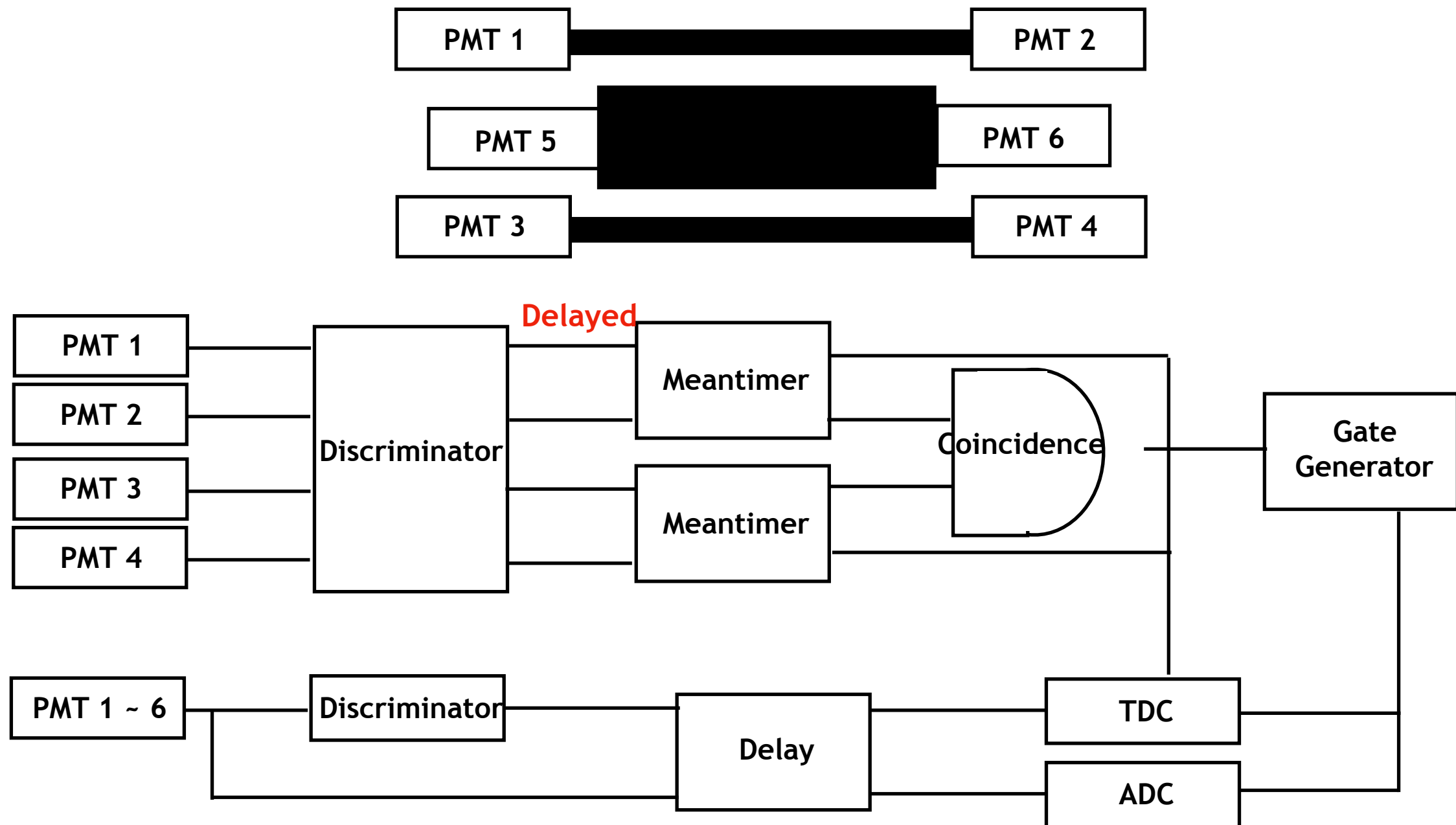
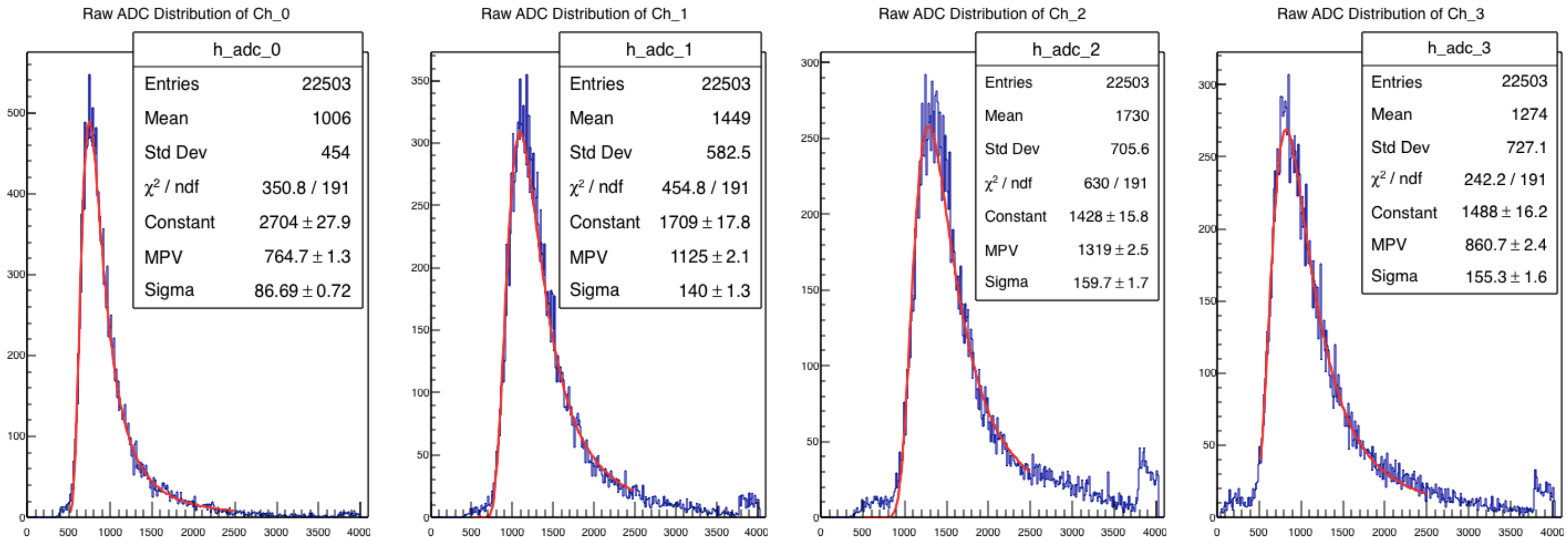


Cosmic-ray Test Setup



- PMT1 : Reference Timing
(Intentionally more delayed (10 ns) to determine the timing

Cosmic-ray Test Current Setup

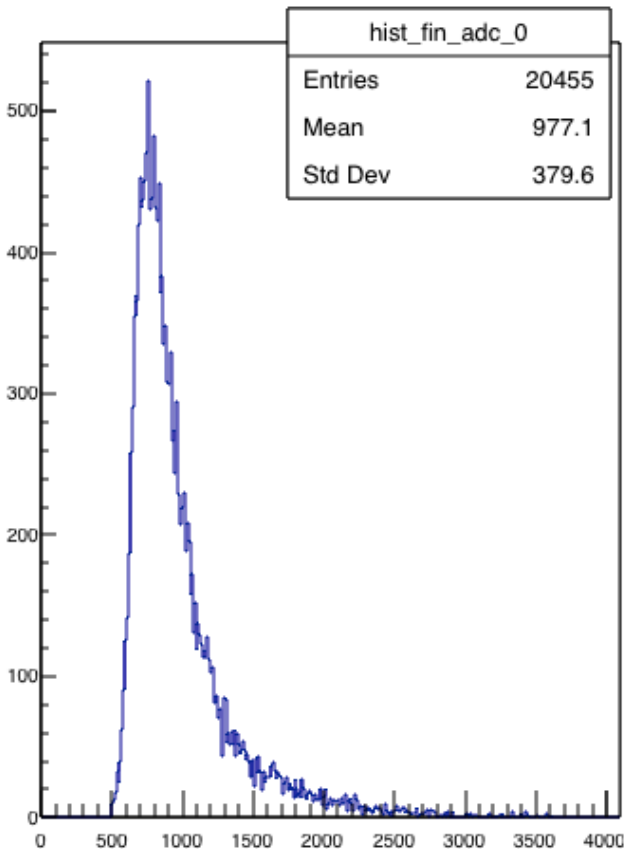


- Raw ADC Distribution of trigger counters are fitted with Landau distribution
- Cuts are given to exclude overflow and low region (using MPV and Sigma)
- TDC, Coincidence Cut also applied

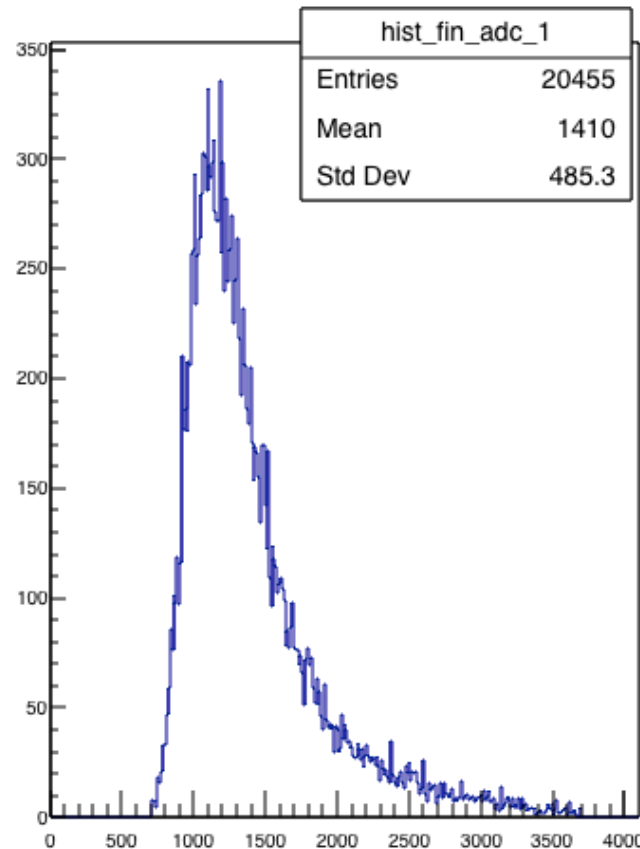
Cosmic-ray Test Current Setup

- ADC Distribution after applying cuts

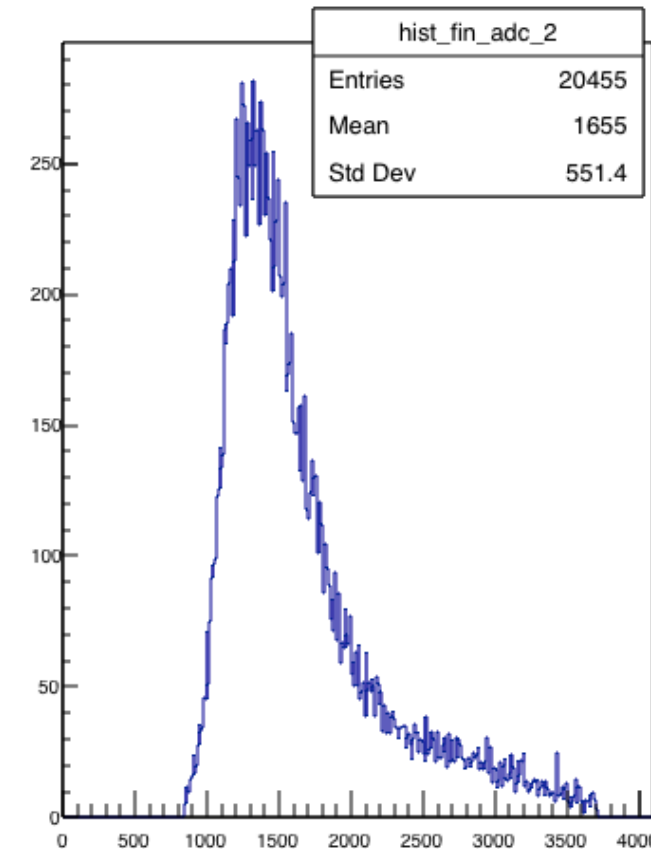
ADC Distribution with Cut-Off Ch_0



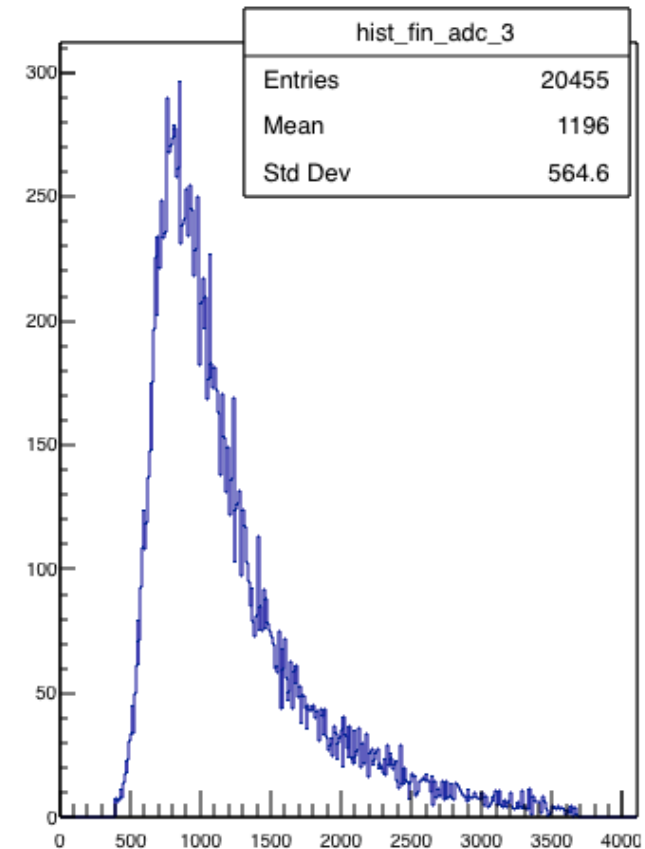
ADC Distribution with Cut-Off Ch_1



ADC Distribution with Cut-Off Ch_2

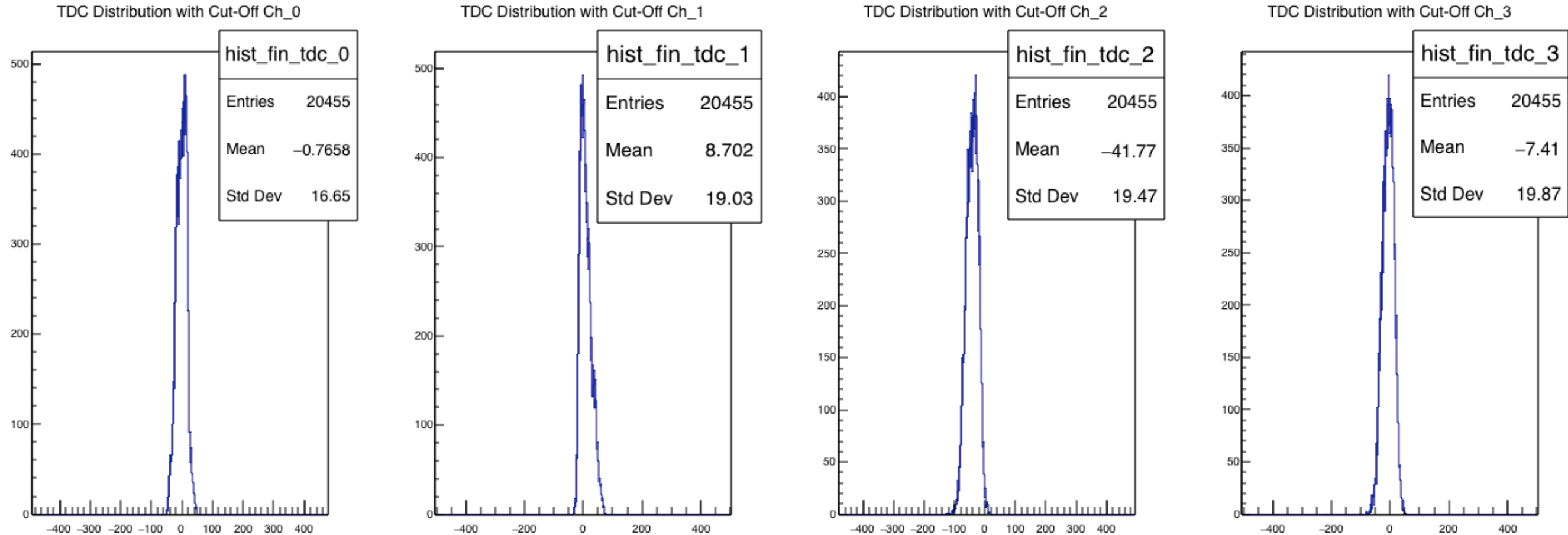


ADC Distribution with Cut-Off Ch_3

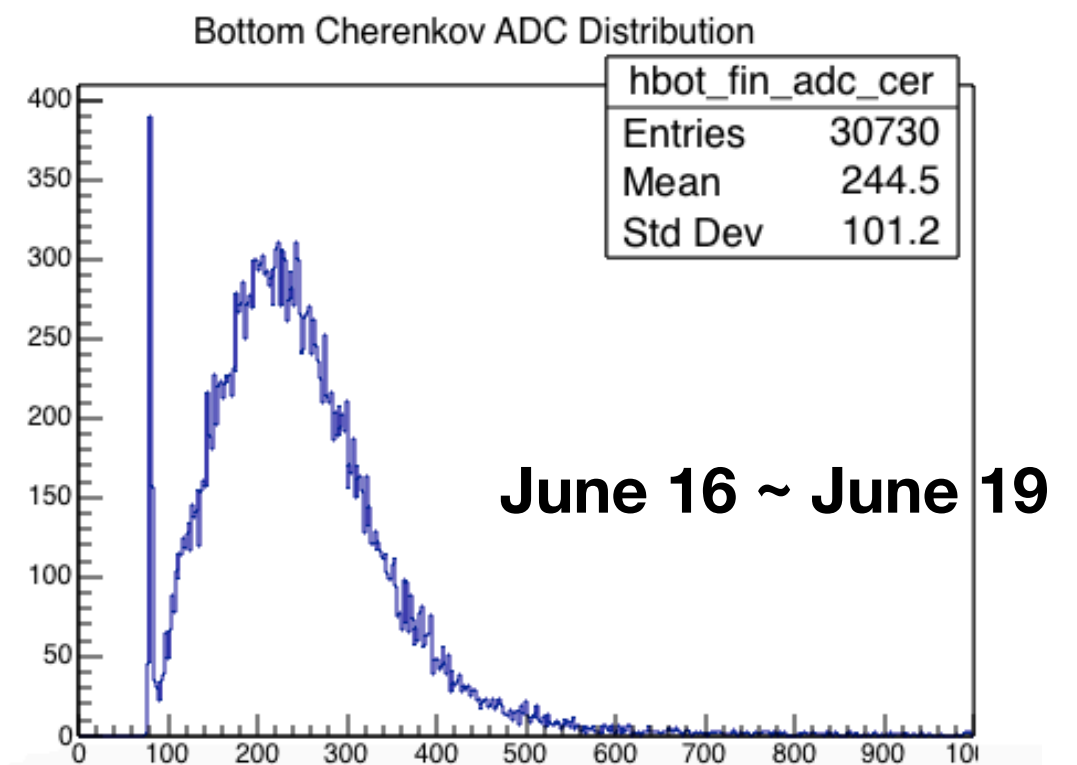
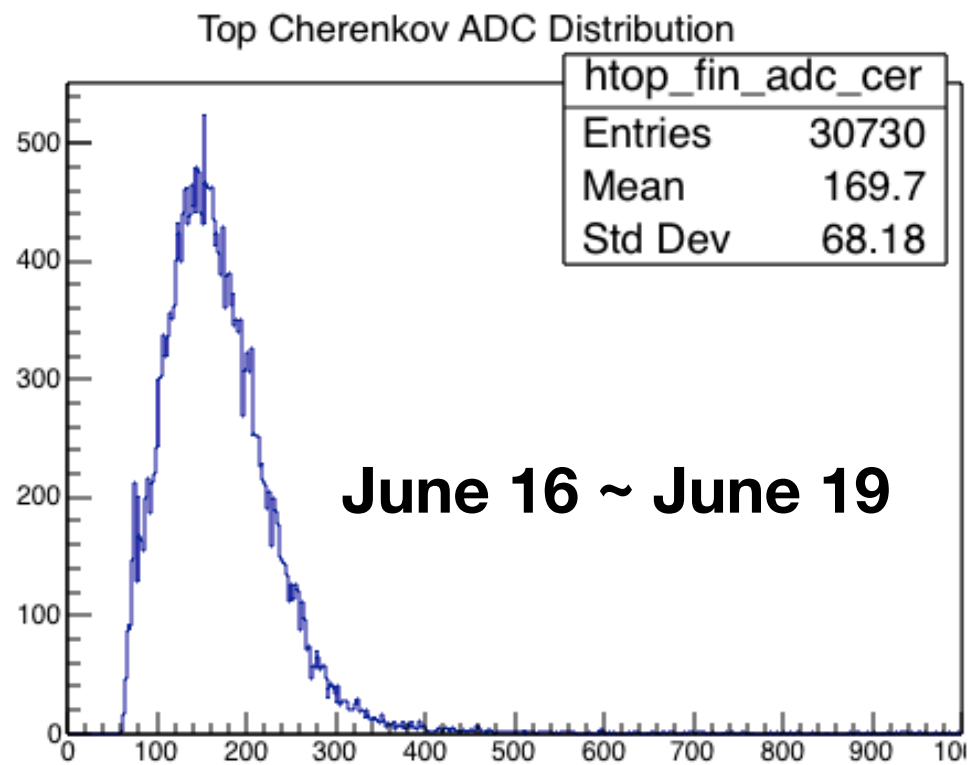
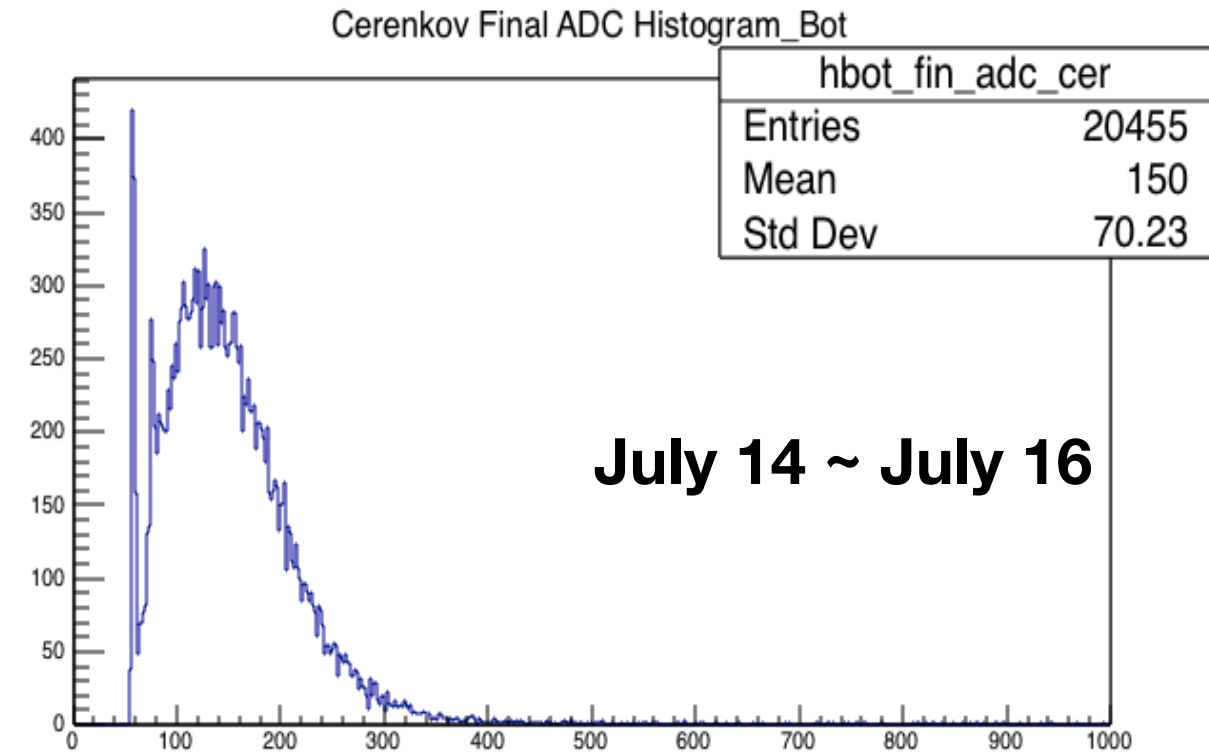
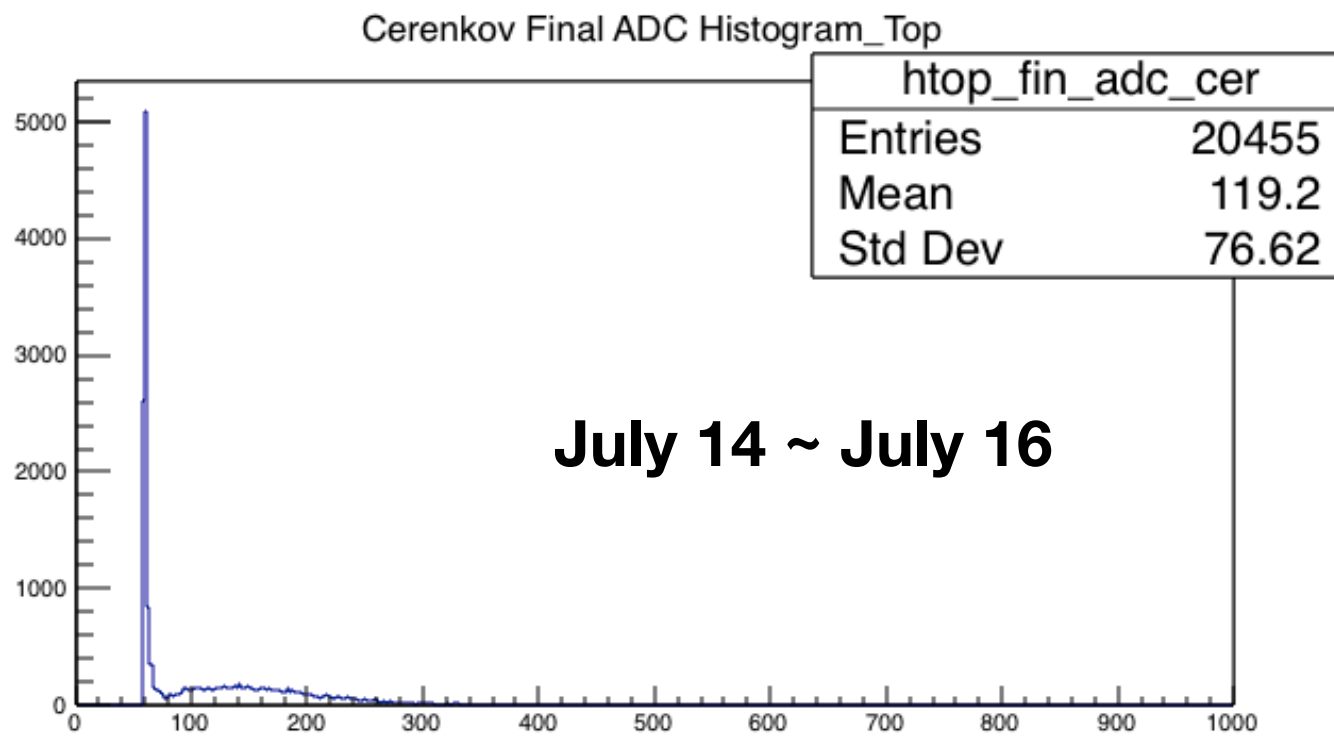


Cosmic-ray Test Current Setup

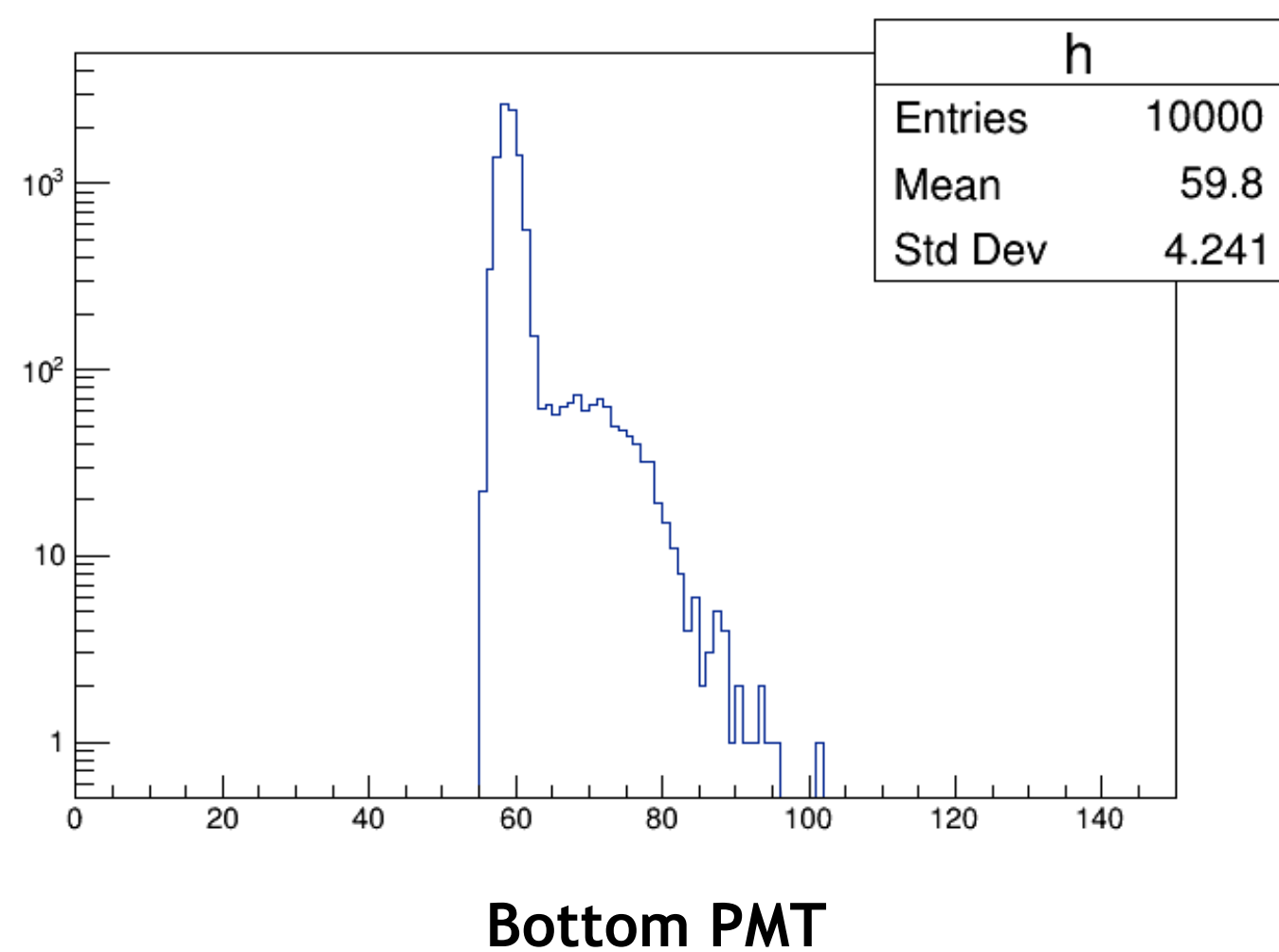
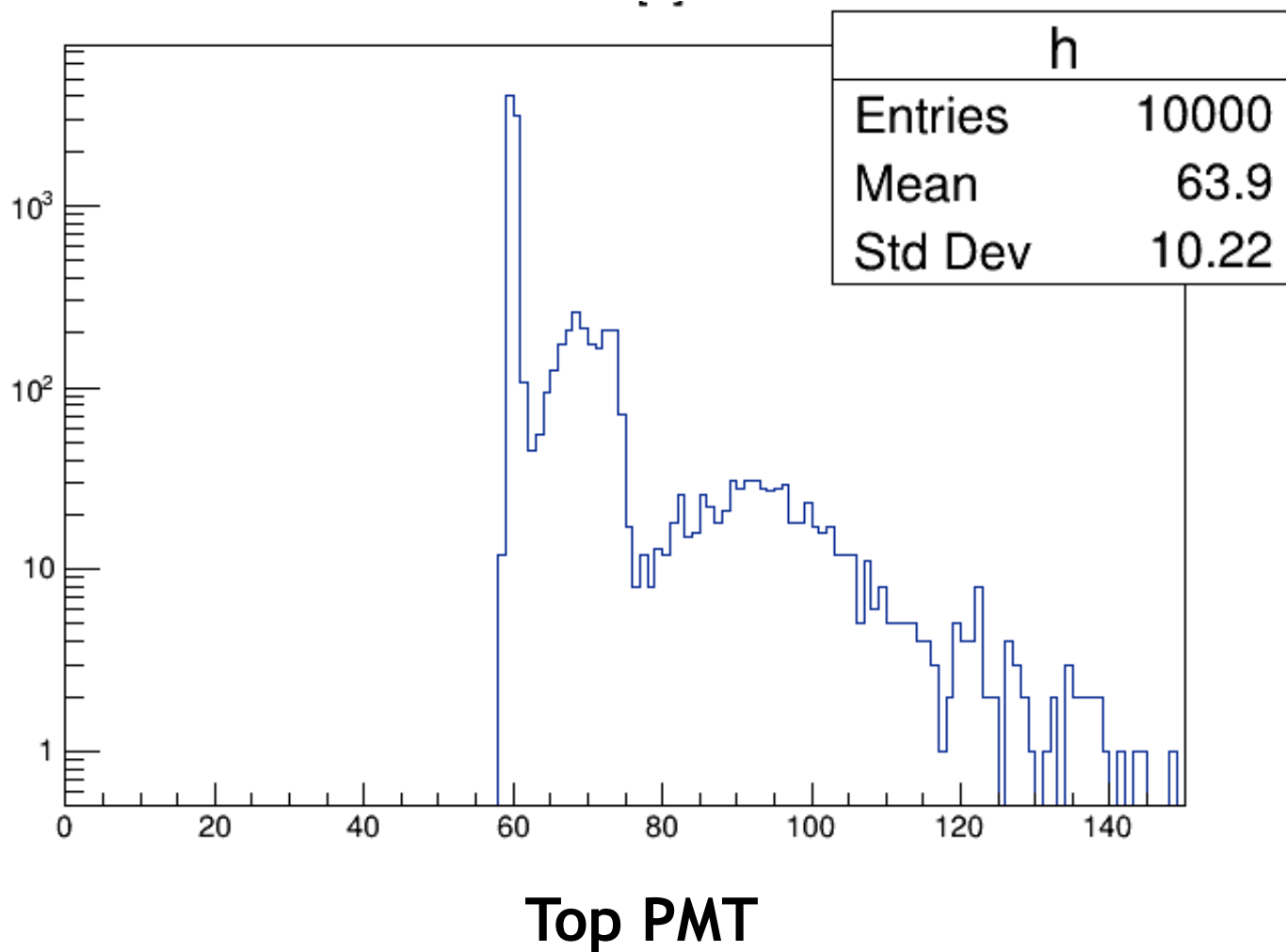
- TDC Distribution after applying cuts
- Haven't done slewing correction yet.



Cosmic-ray Test Current Setup



PMT Test with LED



- ADC Distribution in Log scale
- Applied HV : -2300 V for PMT

Plans for August

- Hit position study based on cosmic ray test data during June ~ July
- How to measure the refractive index of the water? : Until 30th, July
 - Water will be kept for the examination of possible contamination
- From the August
 - Simulation study based on E07 Data
 - Developing 2nd prototype (60 cm) : repeating cosmic ray test & pmt test