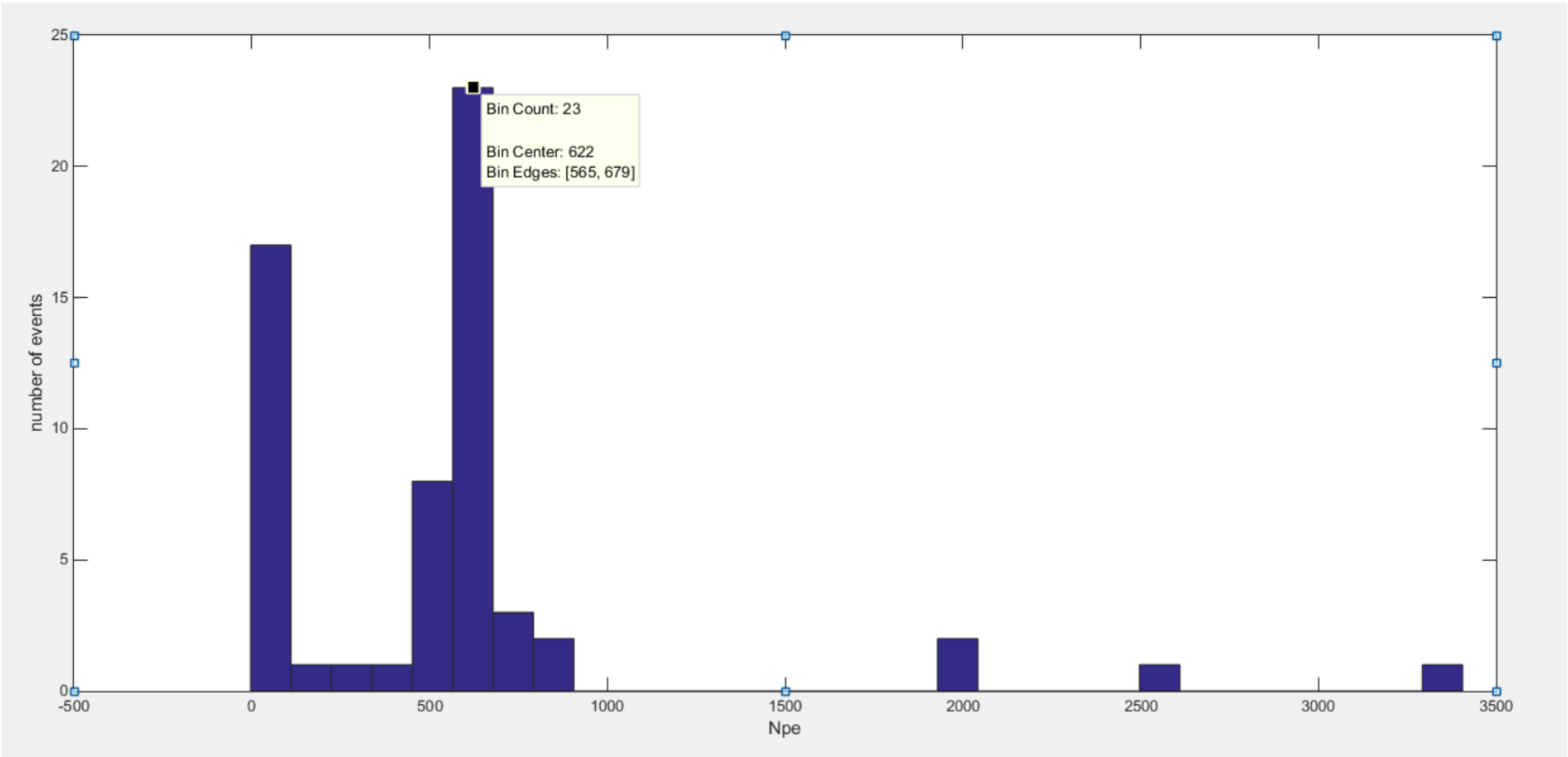


THU2 Cosmic test with SDU PMT (2)

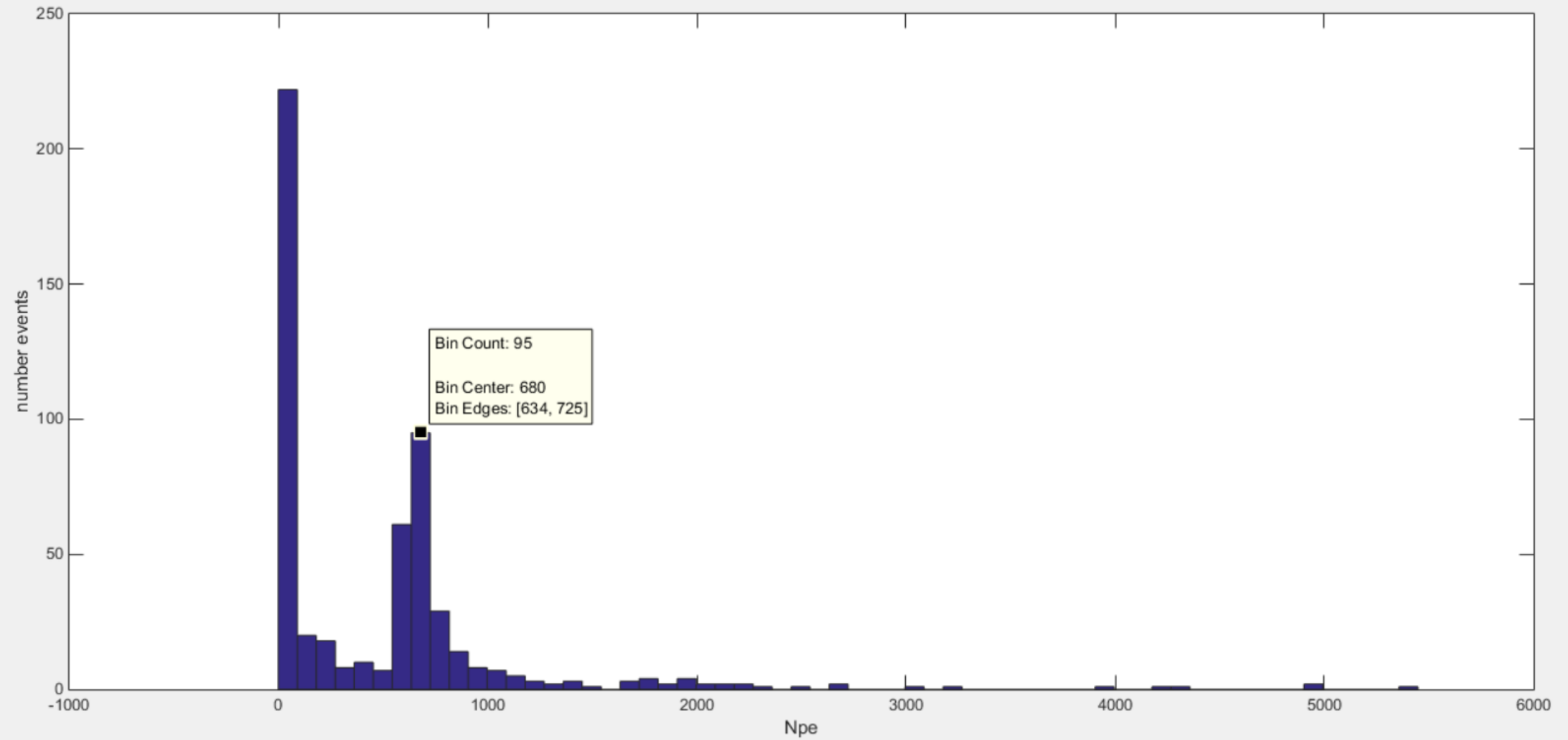
Chendi Shen

2018.1.25

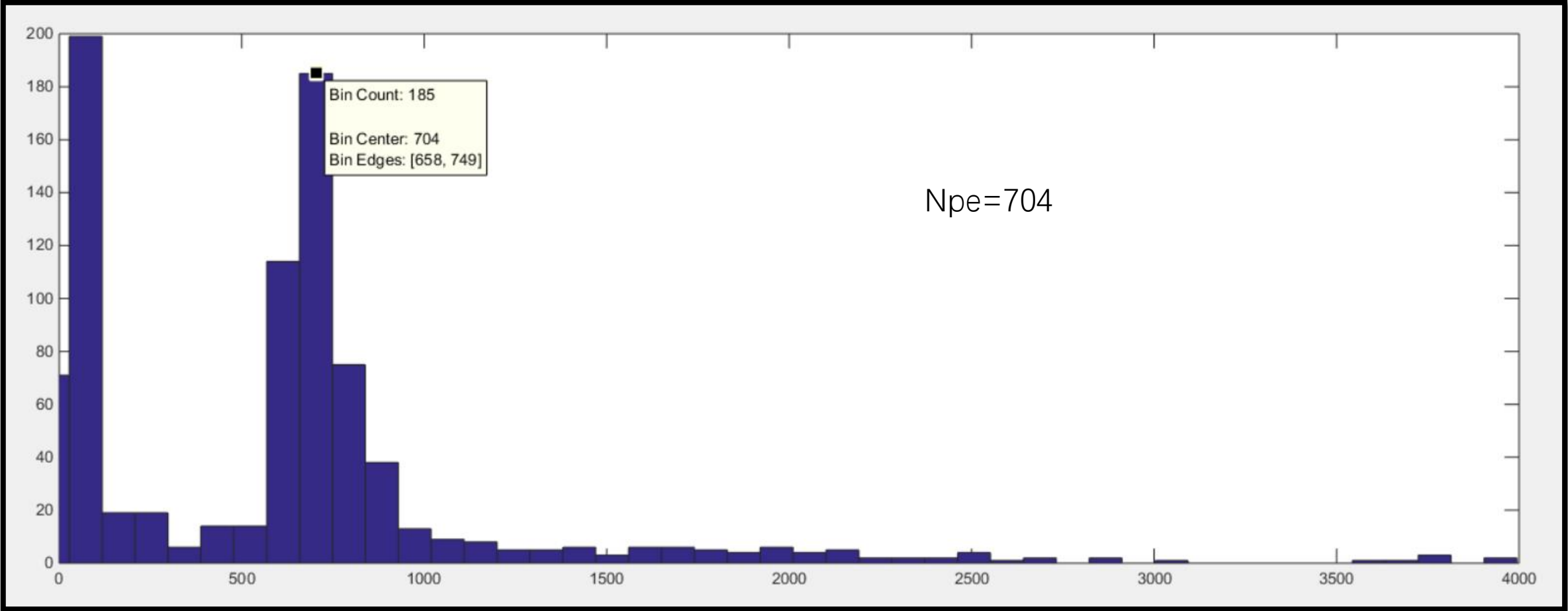
1100V (total number of events: 50)
Npe=622



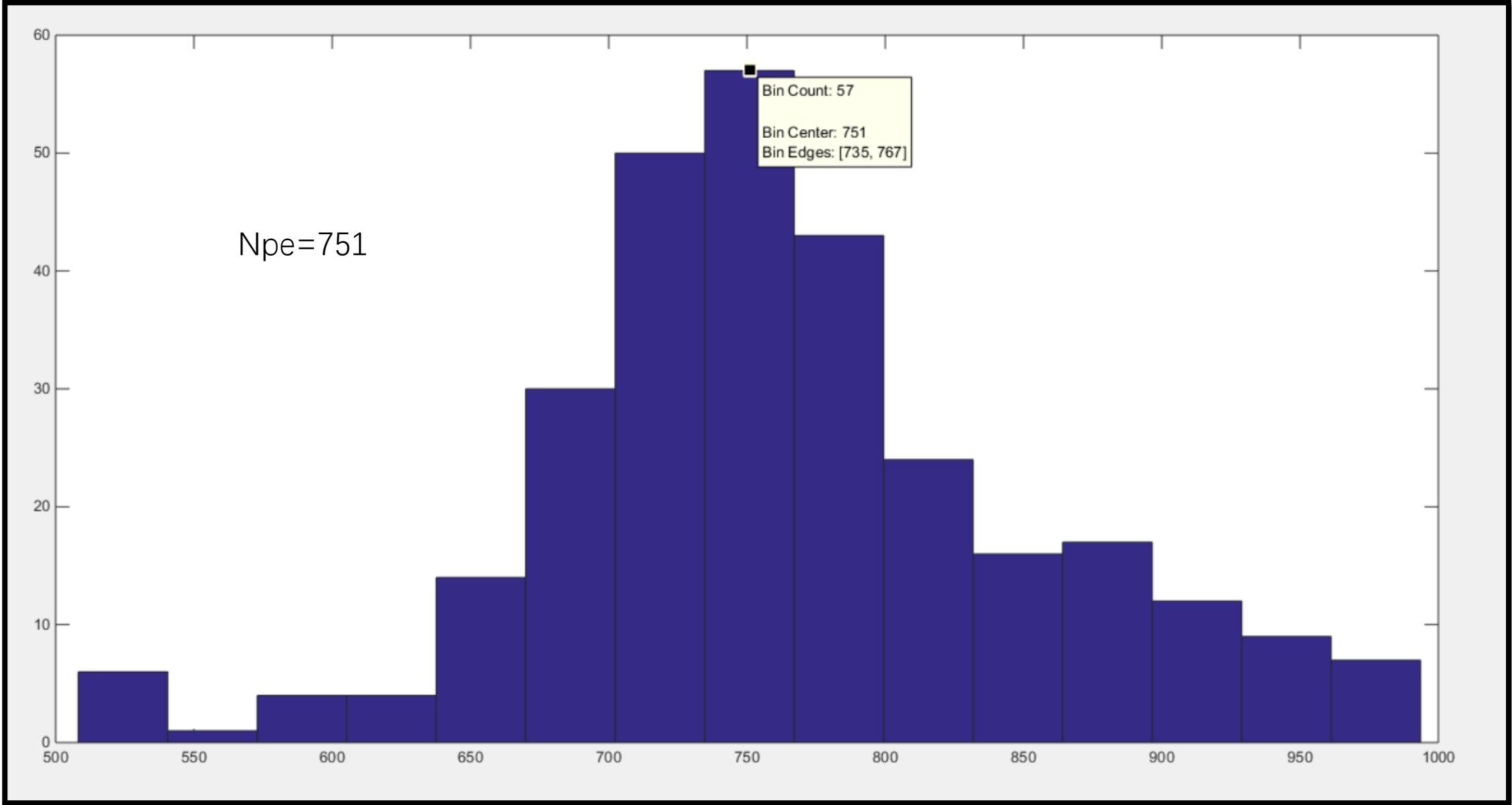
1050V (total number of events:
550) npe=680



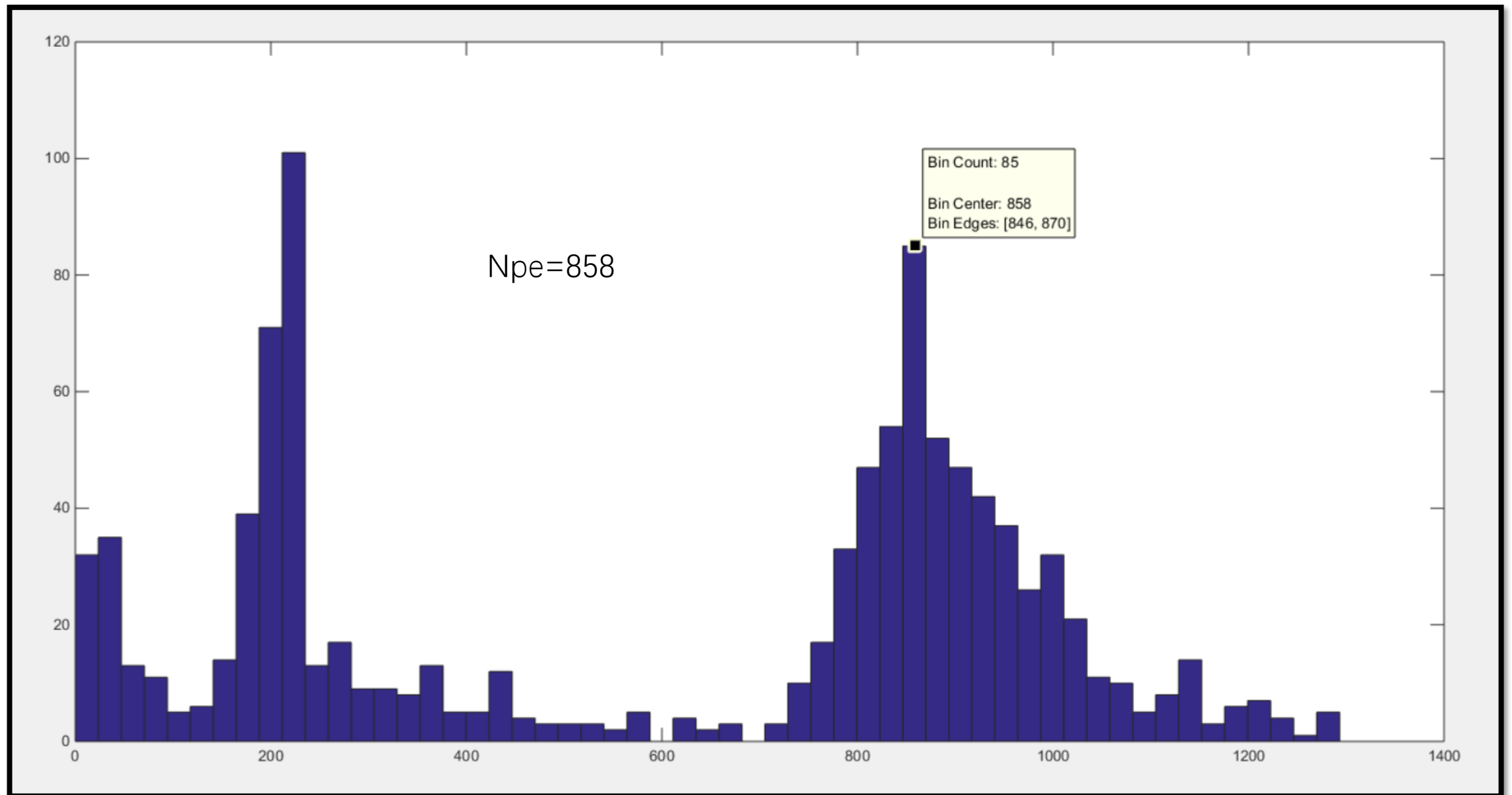
HV=1000 V



HV=900 V



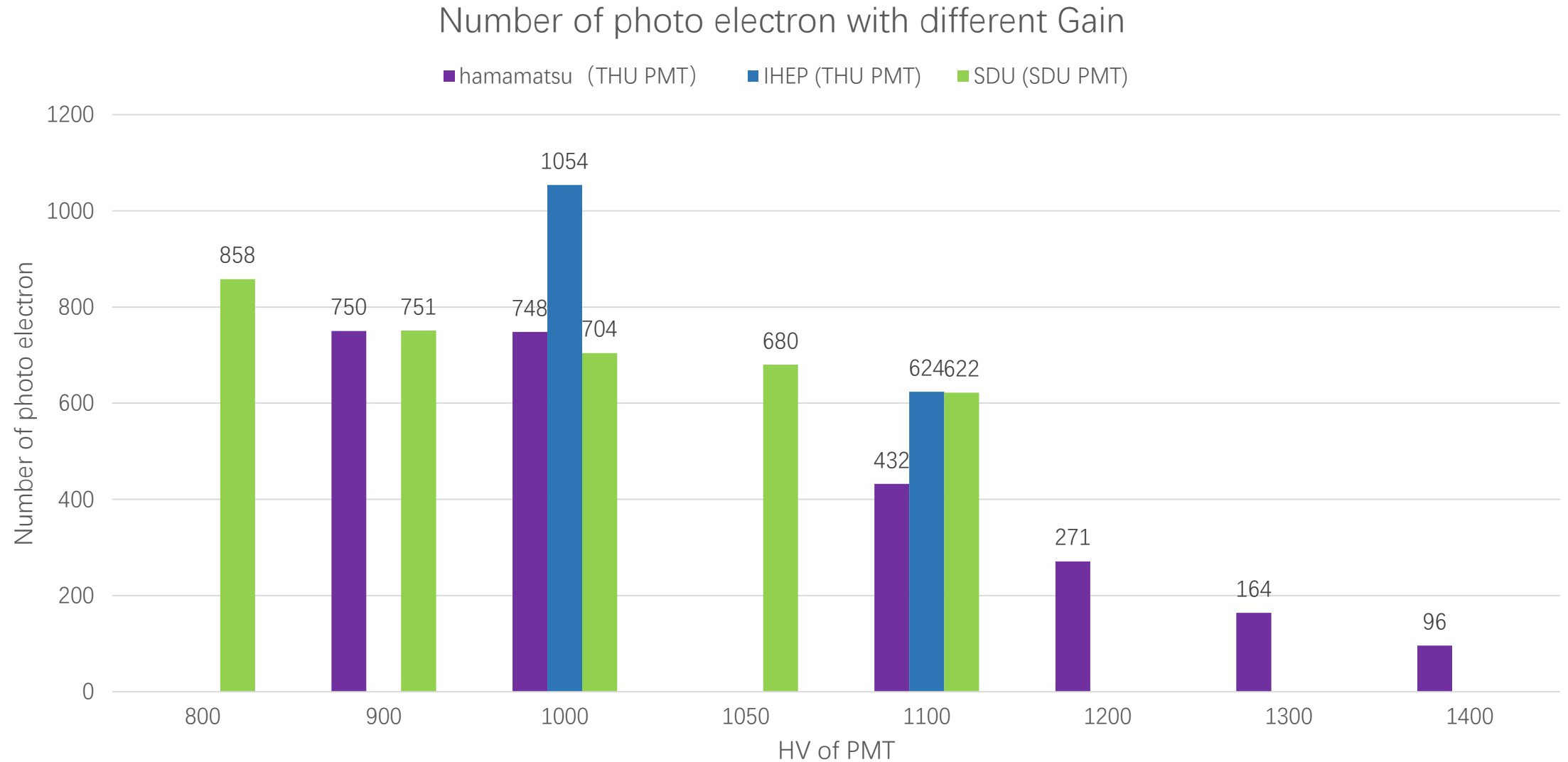
HV=800 V



Gain of PMT

	THU PMT		SDU PMT
HV	hamamatsu	IHEP	SDU
800			0.527×10^6
900	1.3×10^6		1.295×10^6
1000	3.1×10^6	2.2×10^6	2.9×10^6
1050			4.11×10^6
1100	6.5×10^6	4.5×10^6	5.997×10^6
1200	13.3×10^6		11.227×10^6
1300	26.1×10^6		

Test results



- The SDU PMT is also saturated at 900V
- I have test under 700 V, we will calculate the result at 700V.