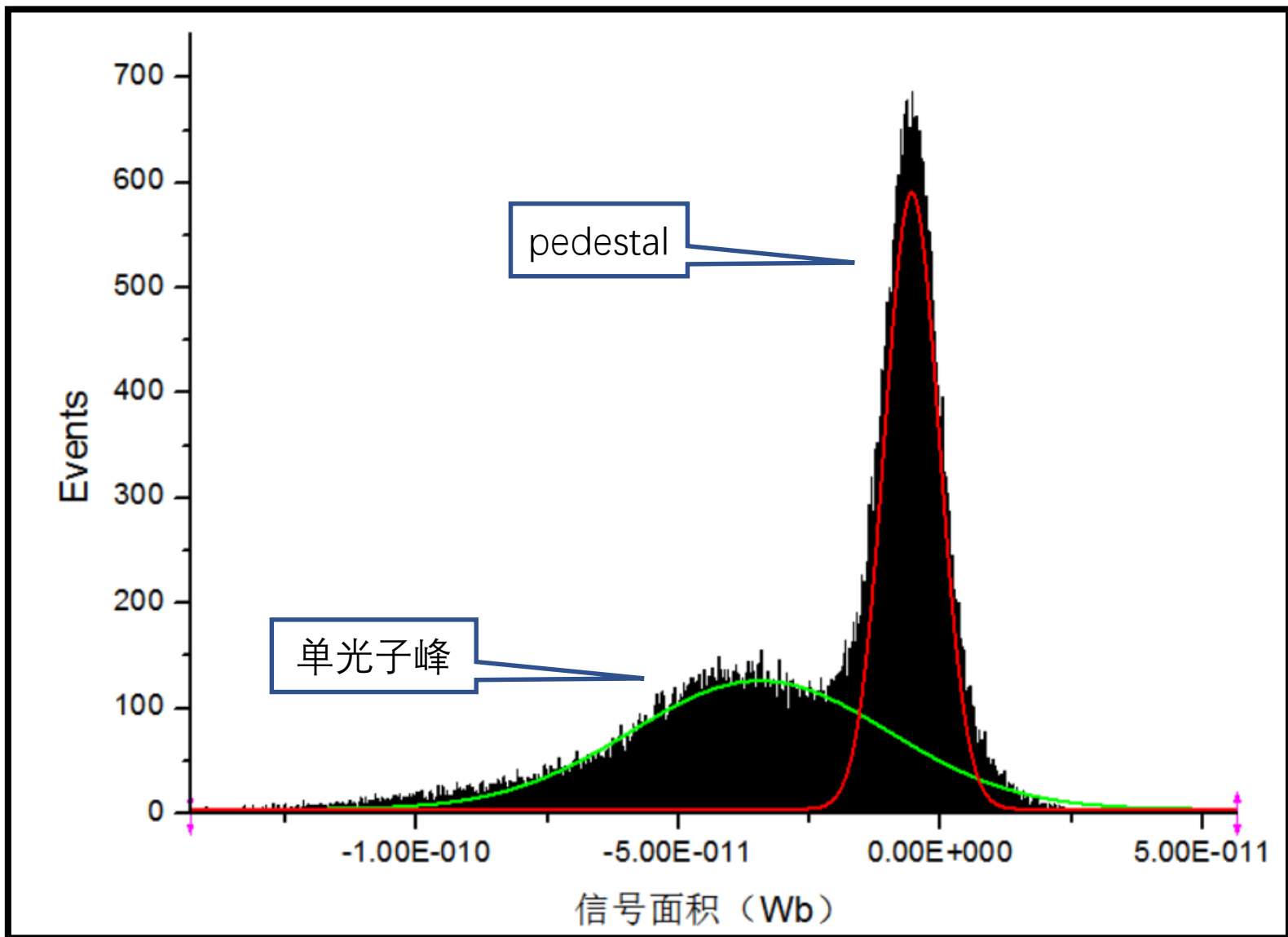


Gain of PMT1 (1100V)



Multipeaks Fit (2017/3/15 15:39:33)

Notes

X-Function	fitPeaks
User Name	chendi
Time	2017/3/15 15:39:33
Peak Type	Gauss

Input Data

Input X Data Source	Input Y Data Source	Range
B	[Book1]Sheet1!A	[Book1]Sheet1!B [1:1000]

Parameters

	Value	Error
y0	4.05344	0.56681
xc1	-5.51226E-12	1.91328E-14
w1	1.03737E-11	4.90741E-14
A1	7.62585E-9	4.60748E-11
sigma1	5.18683E-12	
FWHM1	1.22141E-11	
Height1	586.53785	
xc2	-3.45168E-11	3.0292E-13
w2	4.90964E-11	6.49769E-13
A2	7.51286E-9	1.17653E-10
sigma2	2.45482E-11	
FWHM2	5.78066E-11	
Height2	122.09442	

Peaks

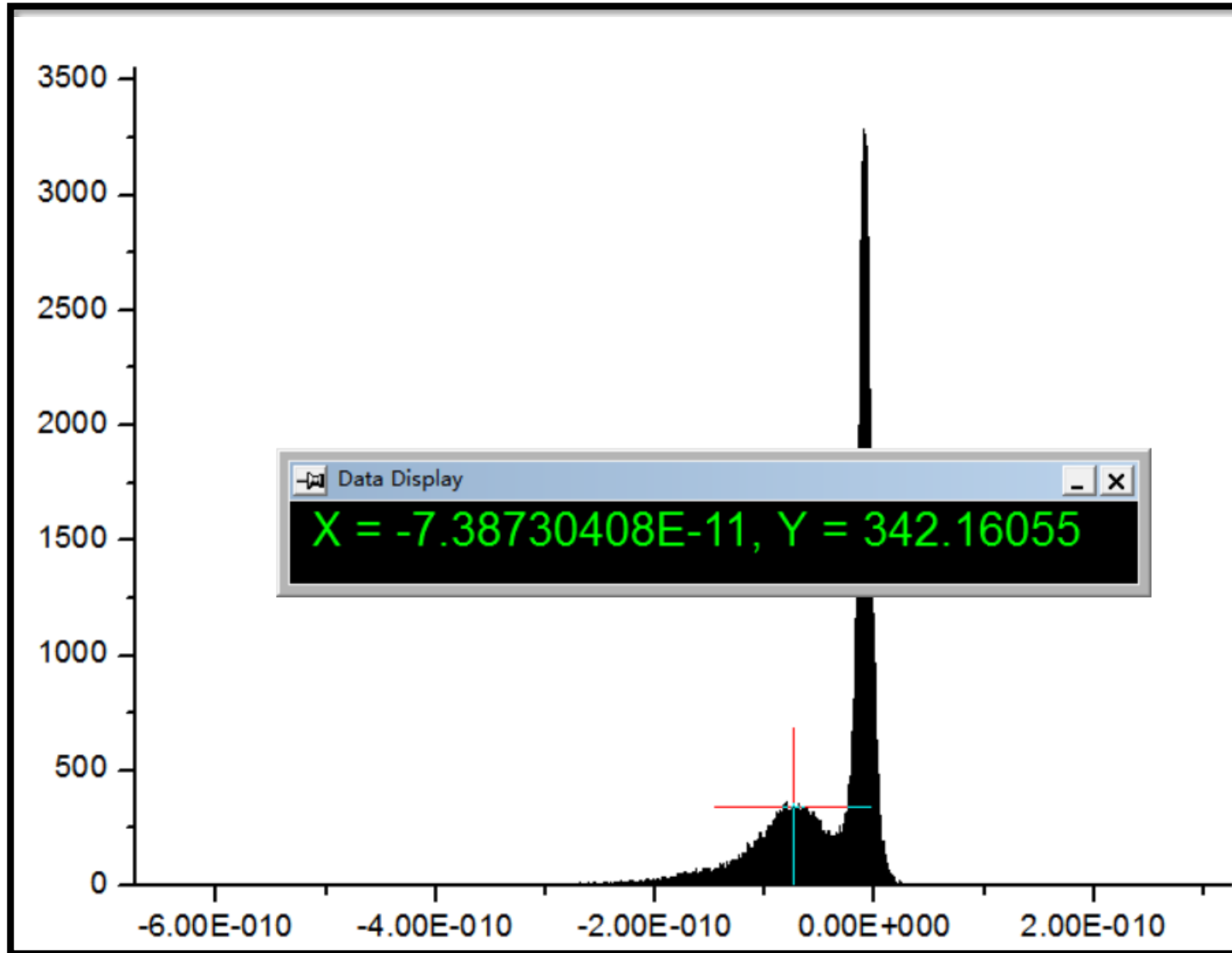
	Area	Center	Width	Height
1	7.62585E-9	-5.51226E-12	1.03737E-11	586.53785
2	7.51286E-9	-3.45168E-11	4.90964E-11	122.09442

Statistics

DF	993
COD (R^2)	0.99435
ReducedChiSq	102.92383

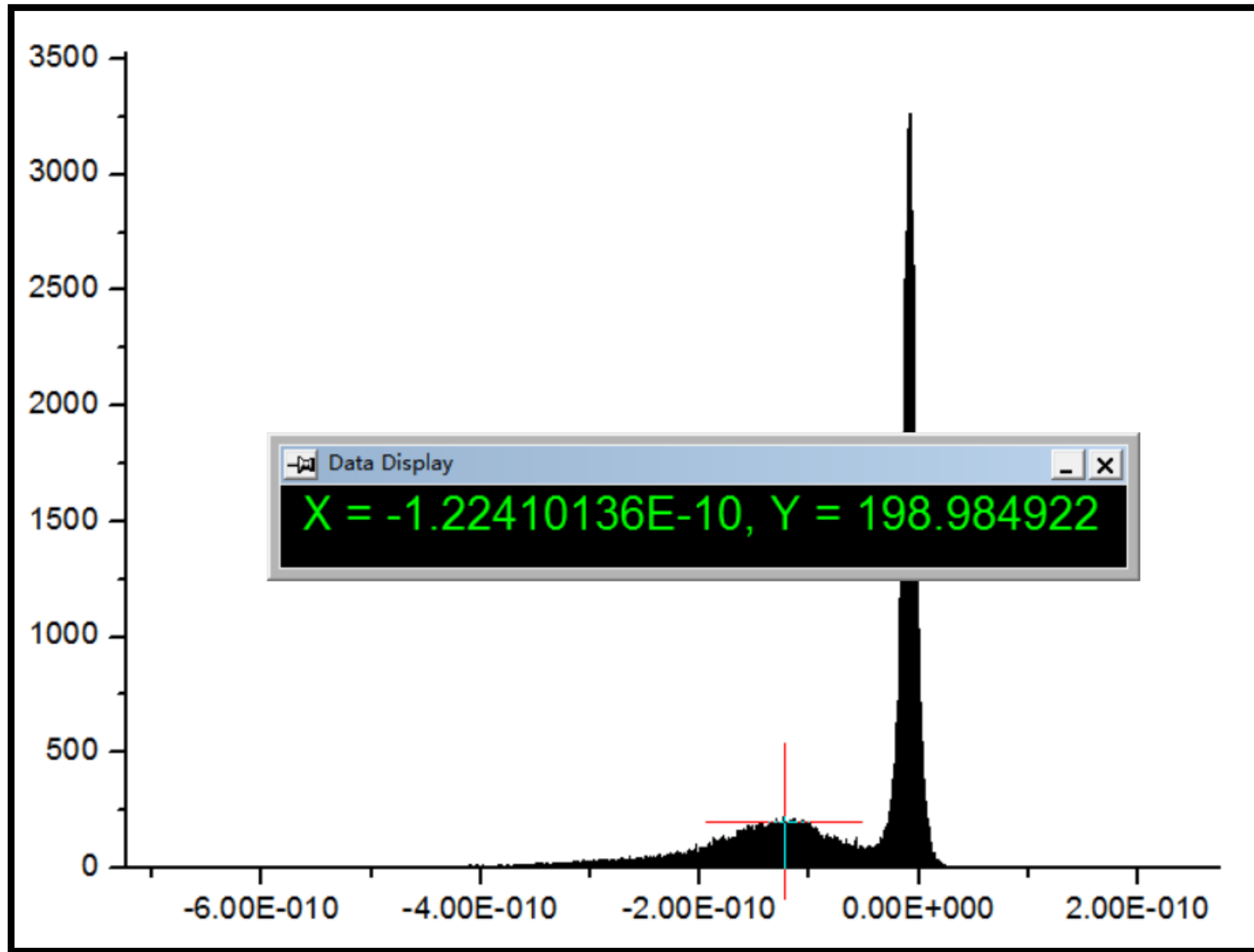
$$\text{Gain} = \frac{\text{Peak2} - \text{Peak1}}{R \cdot e} = 4.2 \times 10^6$$

Gain of PMT1 (1200V)



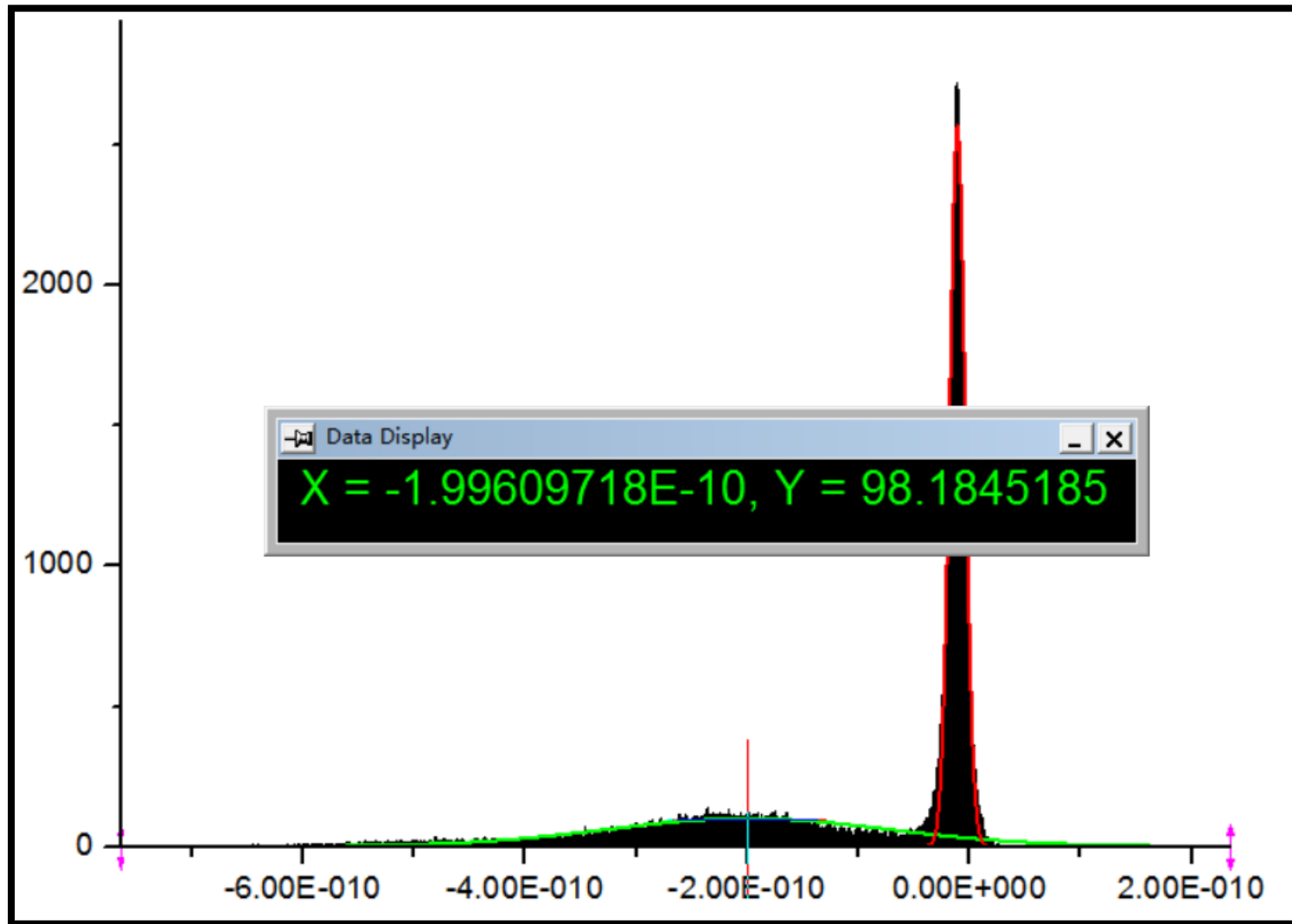
$$\text{Gain} = \frac{\text{Peak2} - \text{Peak1}}{R \cdot e} = 8.1 \times 10^6$$

Gain of PMT1 (1300V)



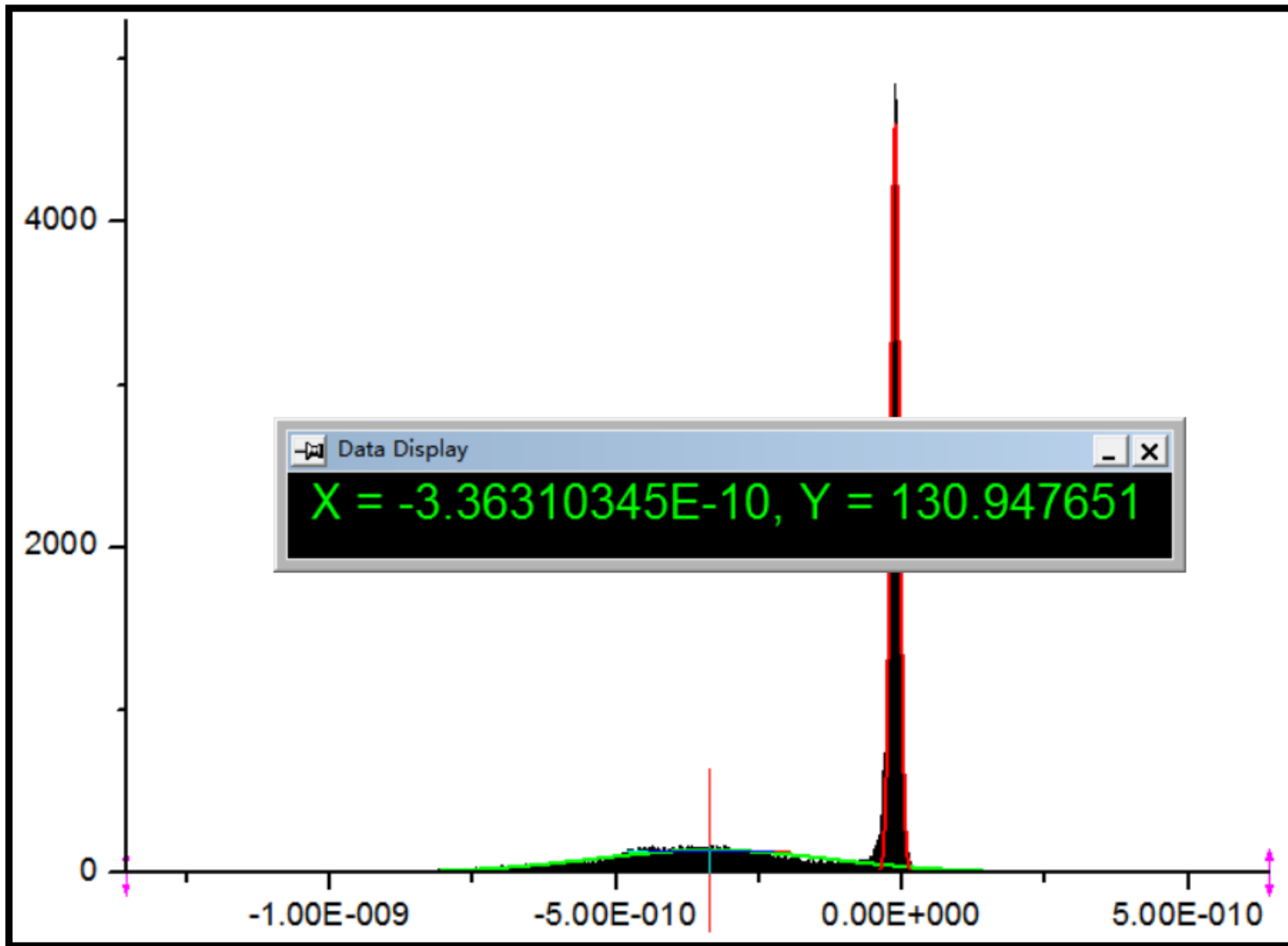
$$\text{Gain} = \frac{\text{Peak2} - \text{Peak1}}{R \cdot e} = 1.4 \times 10^7$$

Gain of PMT1 (1400V)



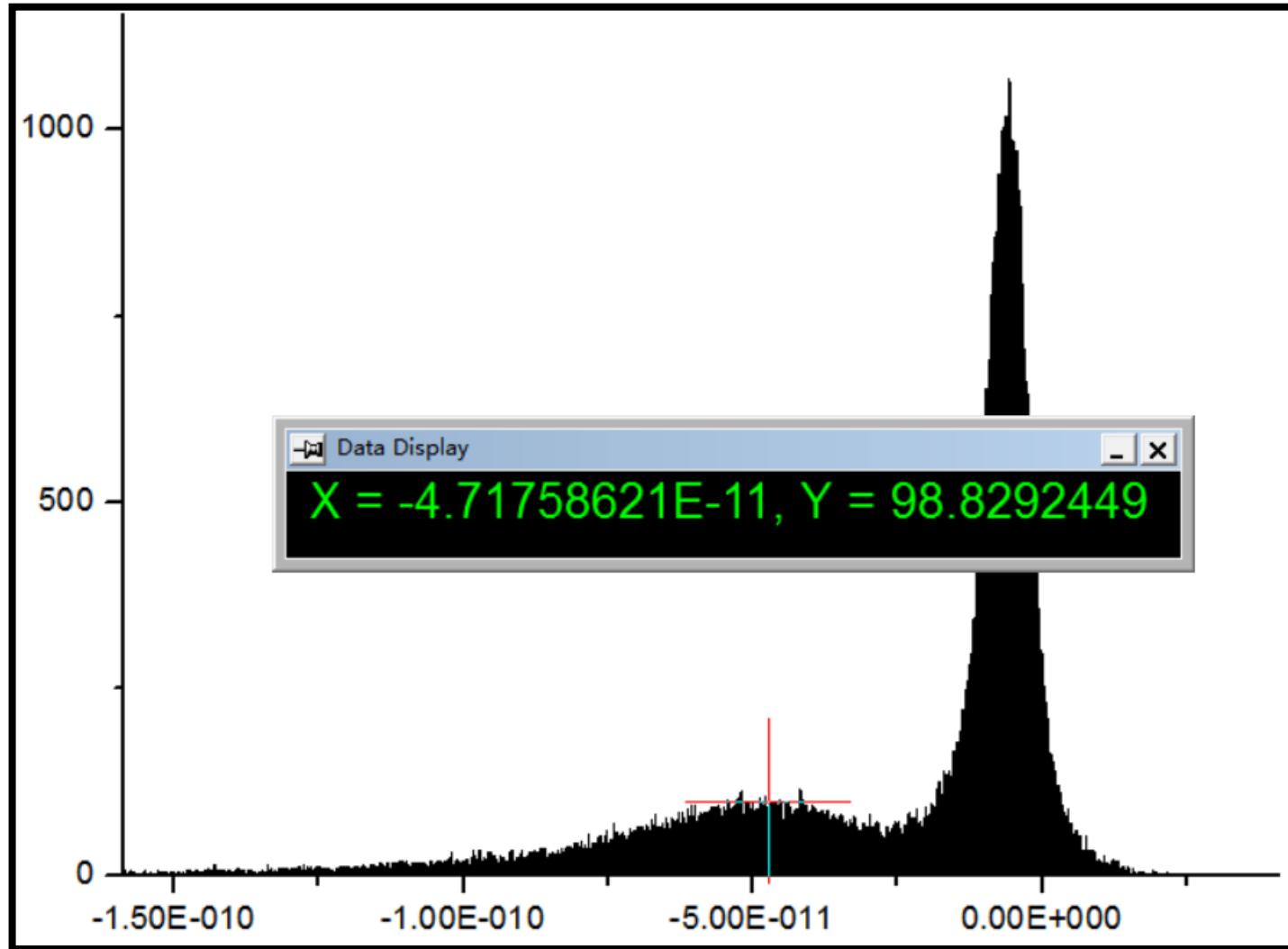
$$\text{Gain} = \frac{\text{Peak2} - \text{Peak1}}{R \cdot e} = 2.4 \times 10^7$$

Gain of PMT1 (1500V)



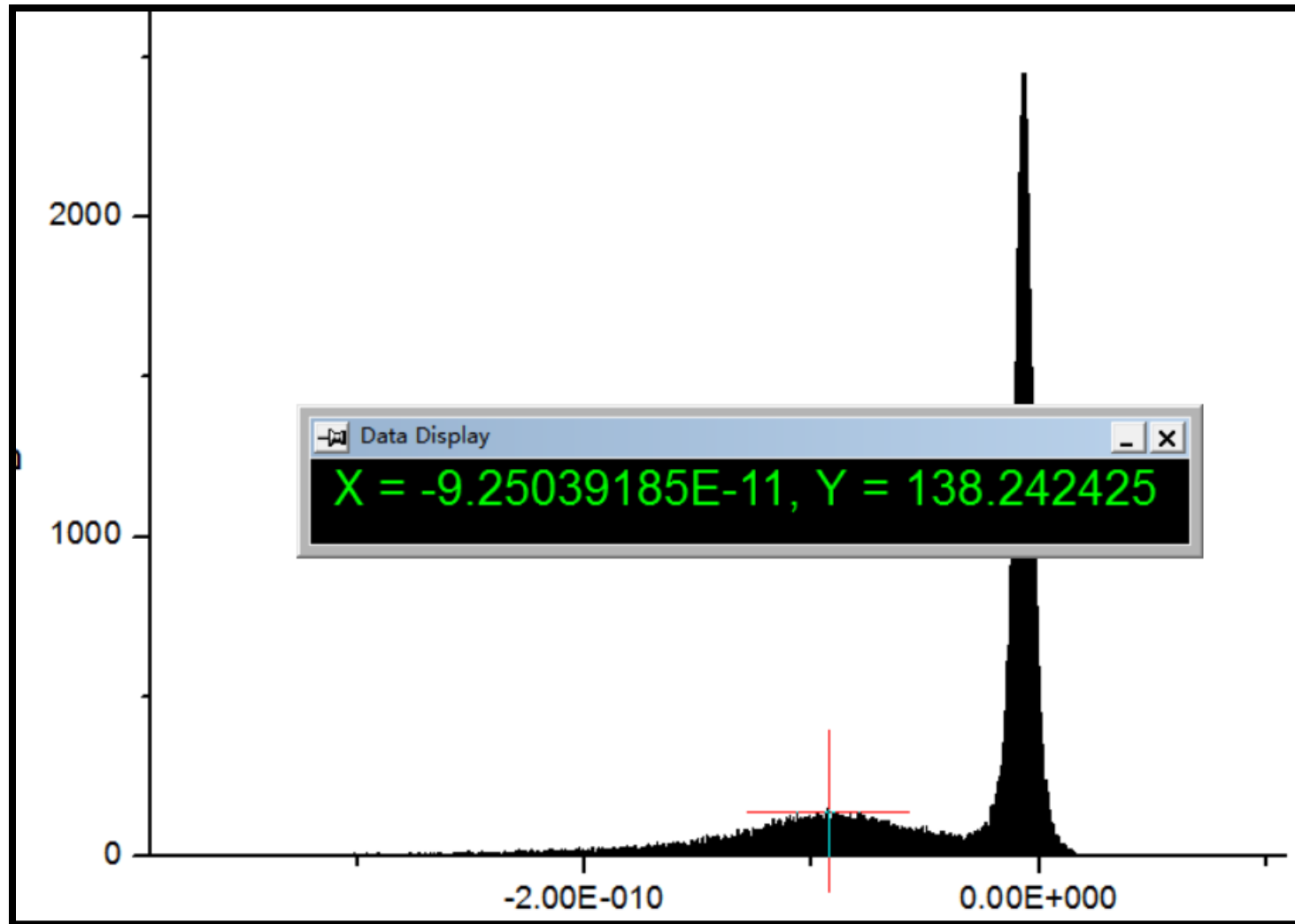
$$\text{Gain} = \frac{\text{Peak2} - \text{Peak1}}{R \cdot e} = 4.0 \times 10^7$$

Gain of PMT2 (1100V)



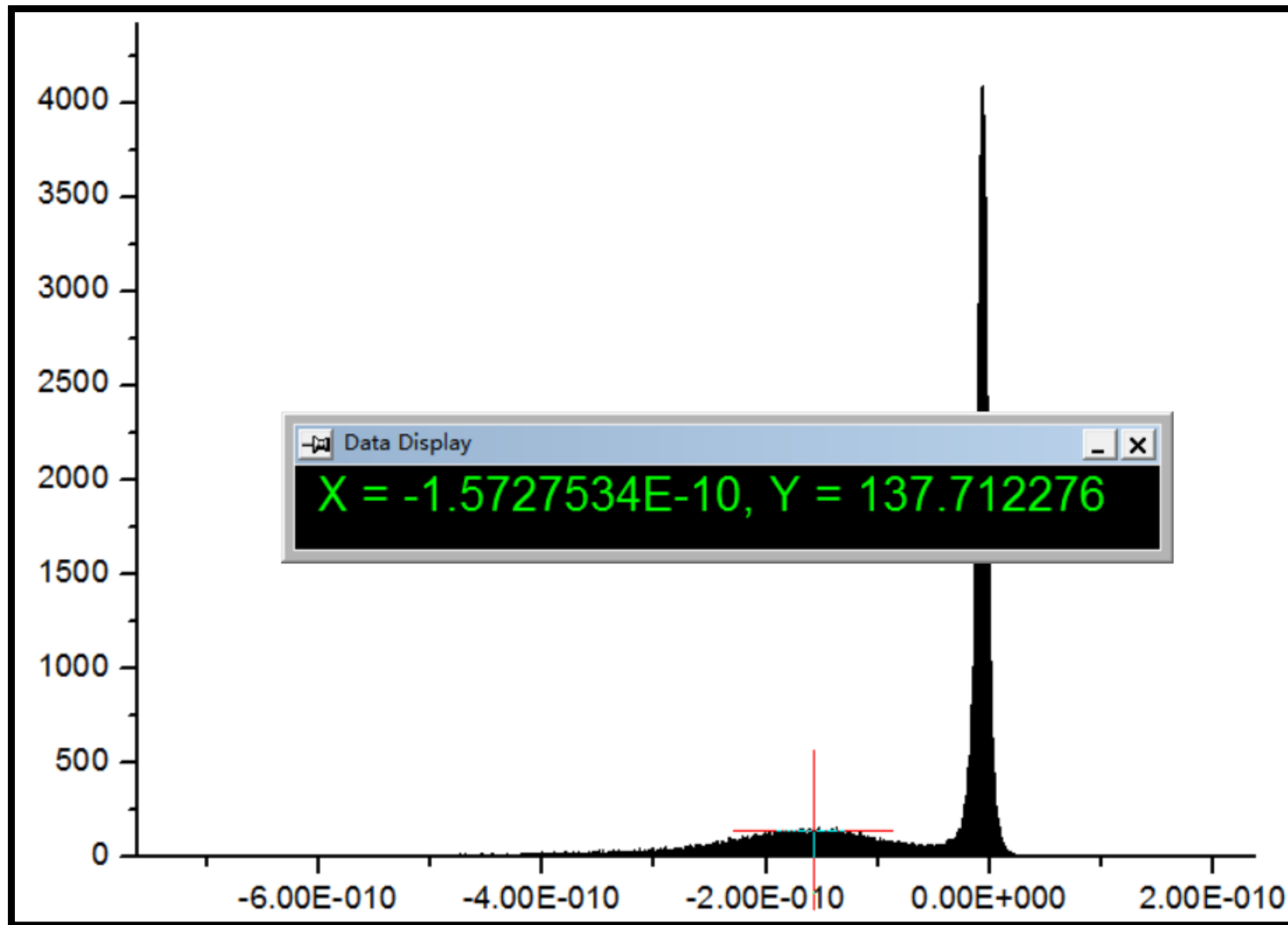
$$\text{Gain} = \frac{\text{Peak2} - \text{Peak1}}{R \cdot e} = 5.2 \times 10^6$$

Gain of PMT2 (1200V)



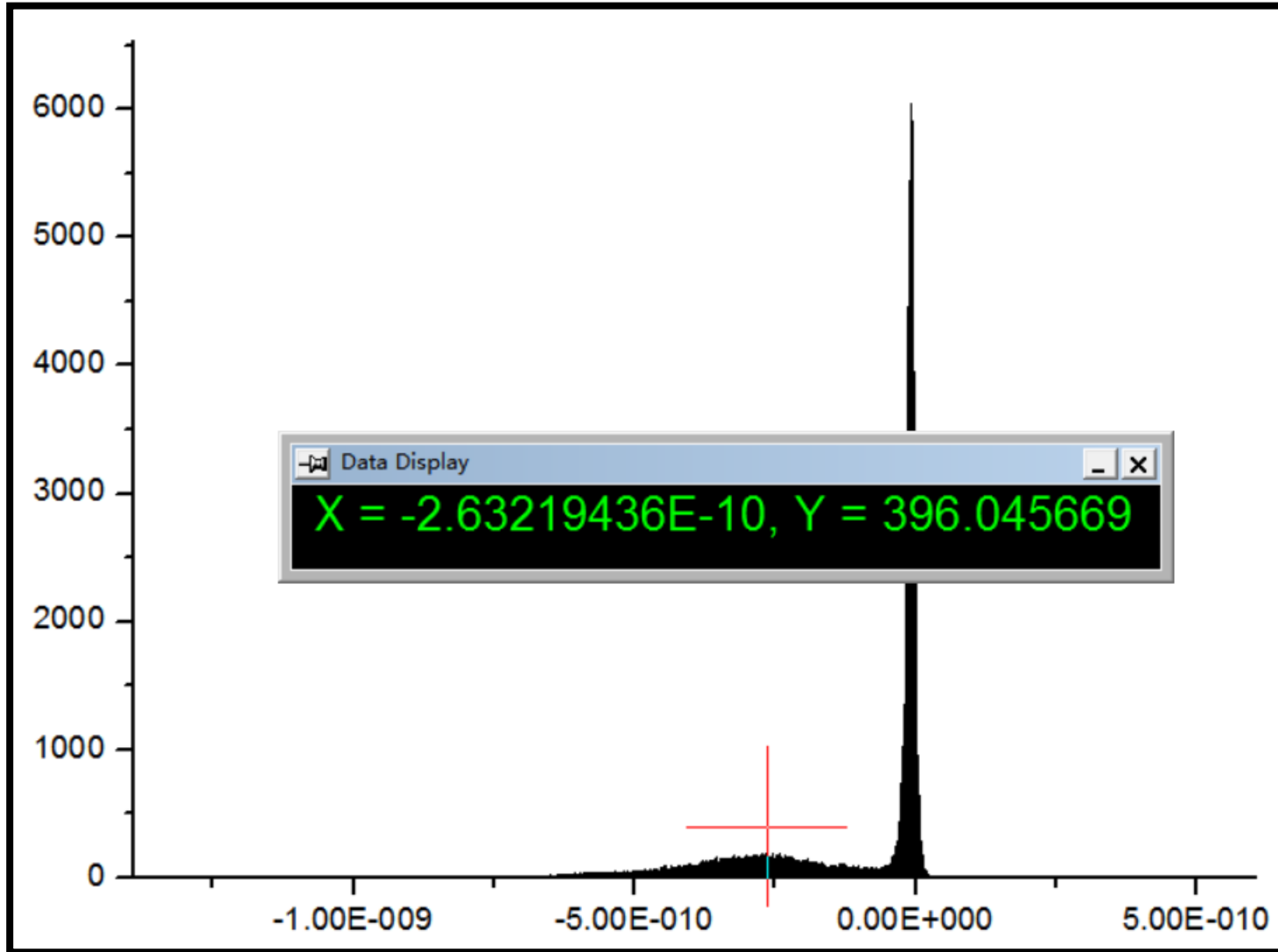
$$\text{Gain} = \frac{\text{Peak2} - \text{Peak1}}{R \cdot e} = 1.1 \times 10^7$$

Gain of PMT2 (1300V)



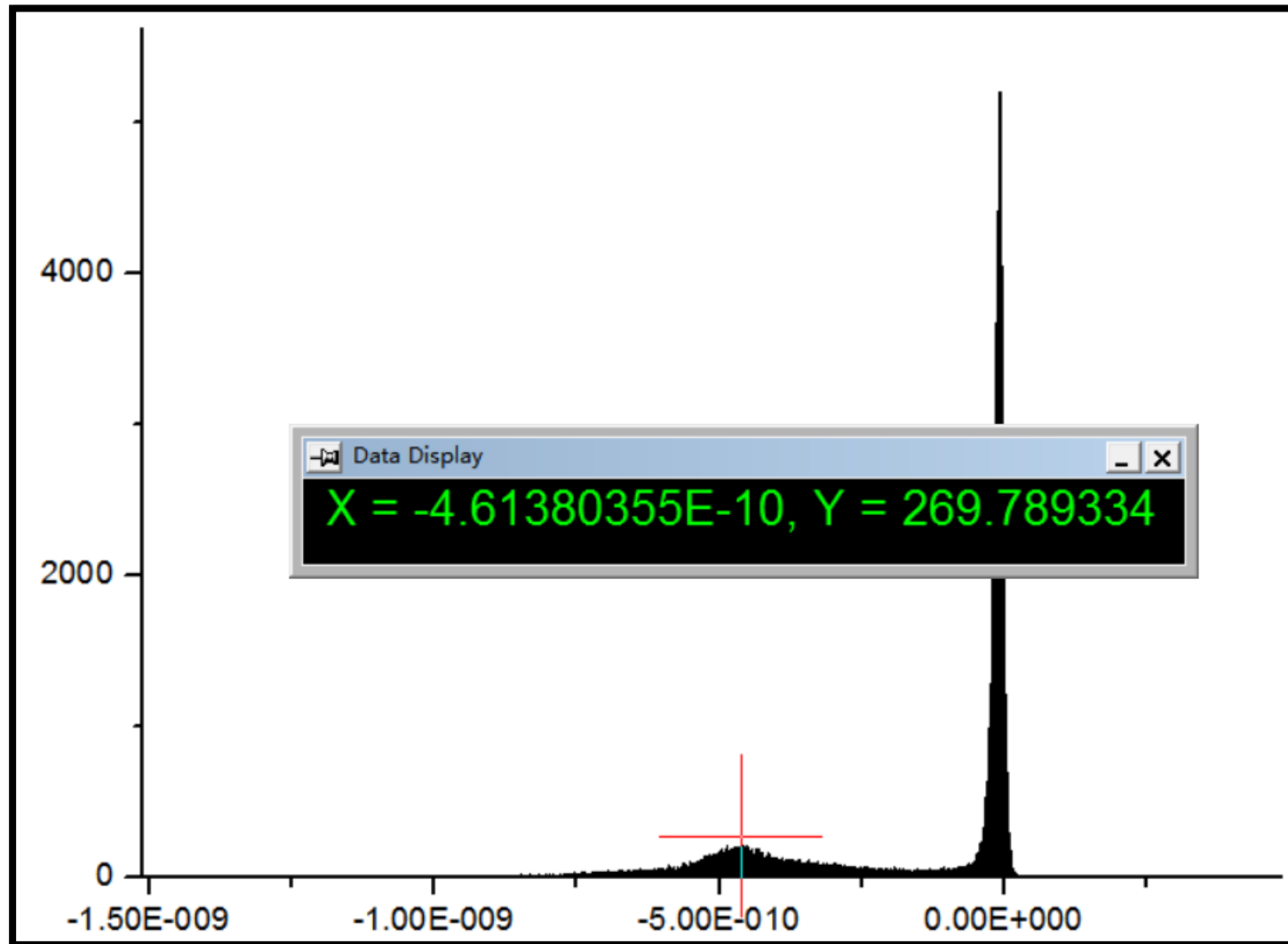
$$\text{Gain} = \frac{\text{Peak2} - \text{Peak1}}{R \cdot e} = 1.9 \times 10^7$$

Gain of PMT2 (1400V)



$$\text{Gain} = \frac{\text{Peak2} - \text{Peak1}}{R \cdot e} = 3.1 \times 10^7$$

Gain of PMT2 (1500V)



$$\text{Gain} = \frac{\text{Peak2} - \text{Peak1}}{R \cdot e} = 5.6 \times 10^7$$

Gain of two PMT2

	PMT	
Voltage	1	2
1100v	4.2×10^6	5.2×10^6
1200v	8.1×10^6	1.1×10^7
1300v	1.4×10^7	1.9×10^7
1400v	2.4×10^7	3.1×10^7
1500v	4.0×10^7	5.6×10^7