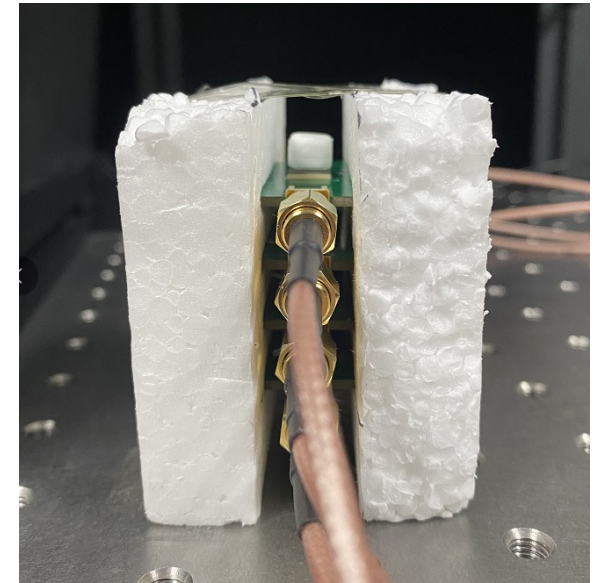
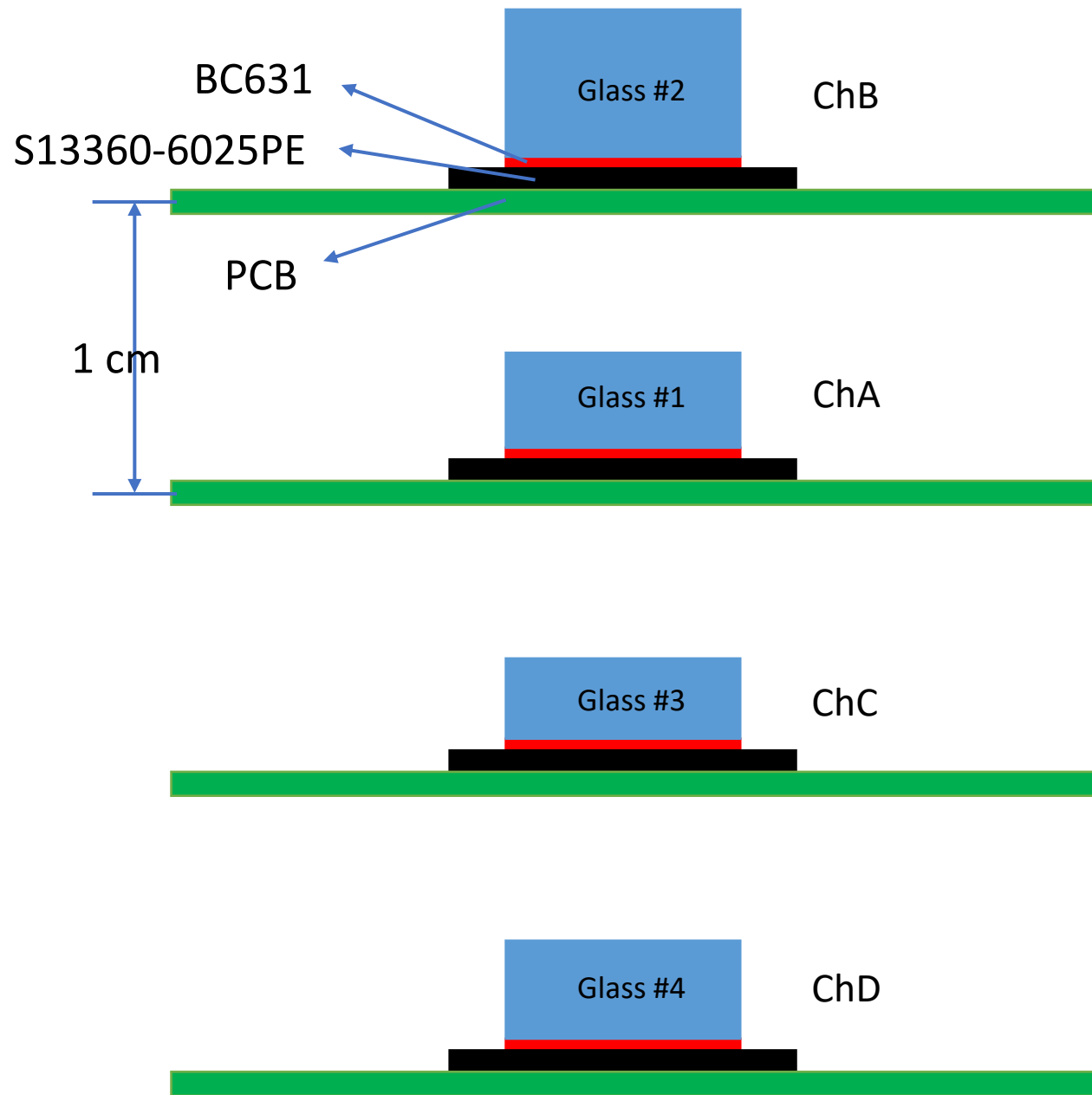


闪烁玻璃样品的参数

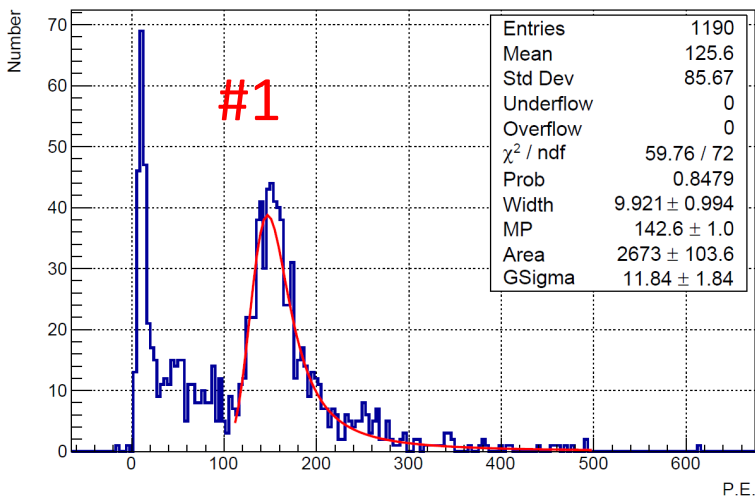
	#1	#2	#3(GC)	#4
密度 (g/cm ³)	5.44	6.0	3.3	6.021
折射率	1.72	1.74	1.5	1.75
光产额 (ph/MeV)	1117	1076	3455	1100
尺寸 (mm)	5*5*2.6	5*5*5	5*5*2	5*5*3
衰减时间 (ns)	178(4.0%), 1554	849	321(33.3%), 1606	899
透过率 (%)	31	65	85	80
发射峰 (nm)	390	390	380	400
抛光情况	两面抛光	两面抛光	两面抛光	两面抛光



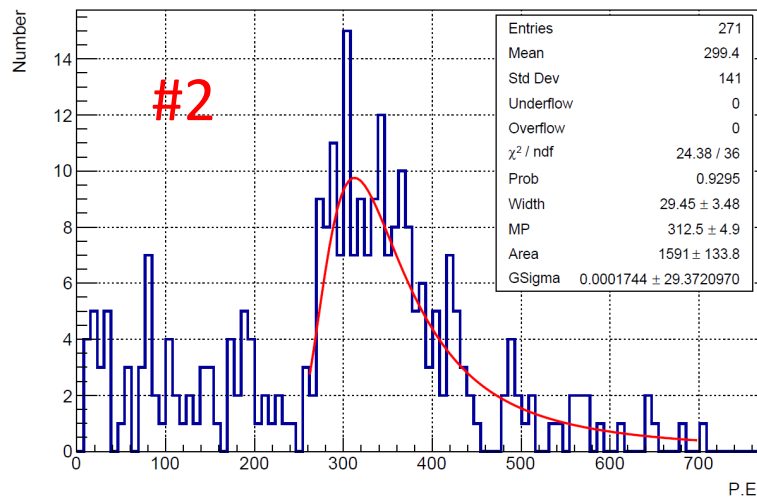
coincidence

Glass: 宇宙线测试结果

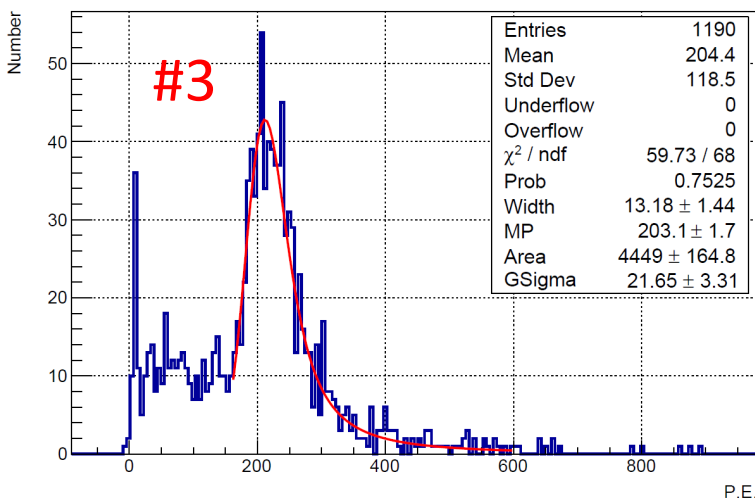
Detected photons at SiPM



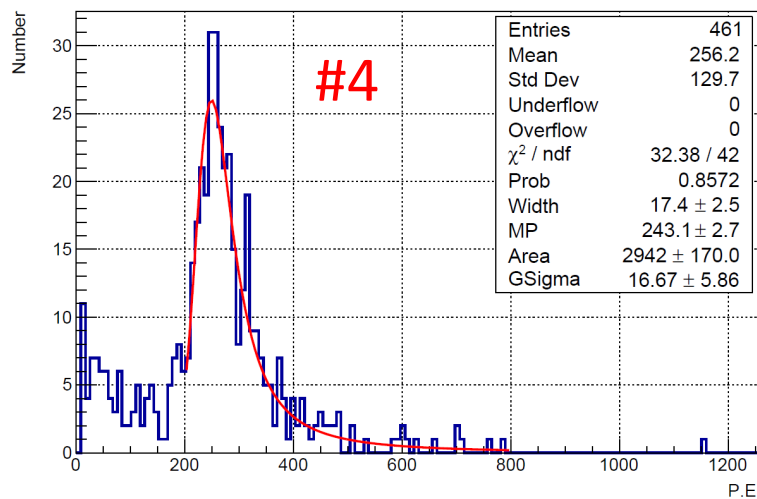
Detected photons at SiPM



Detected photons at SiPM

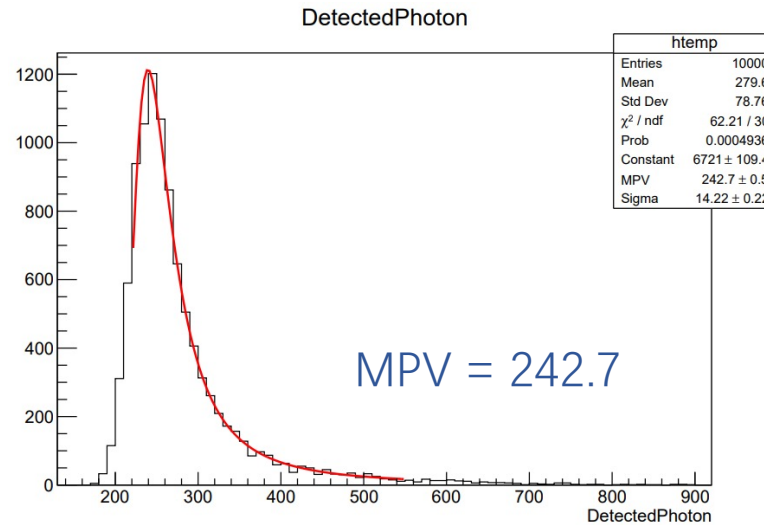
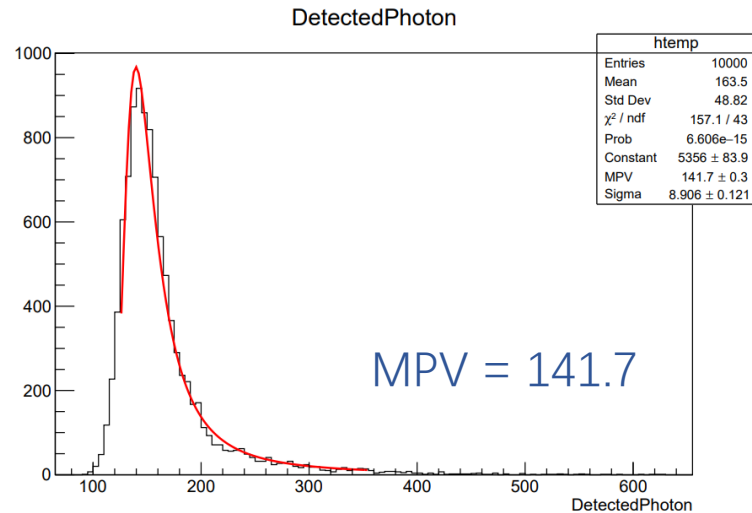
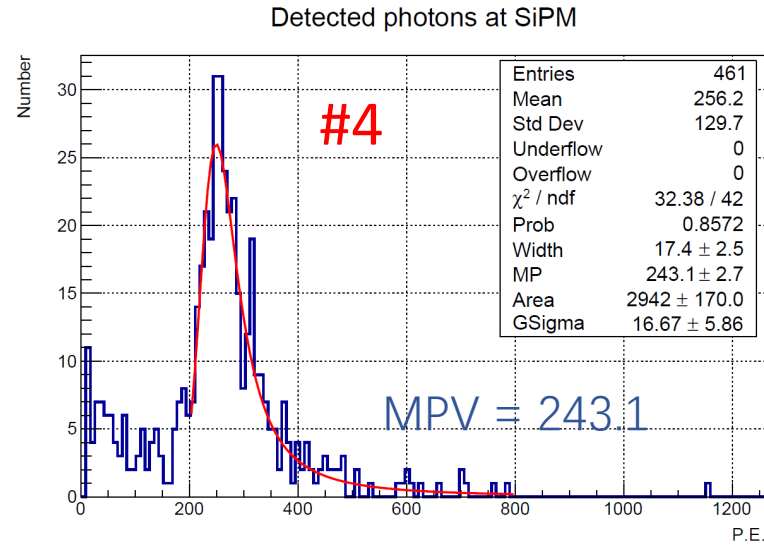
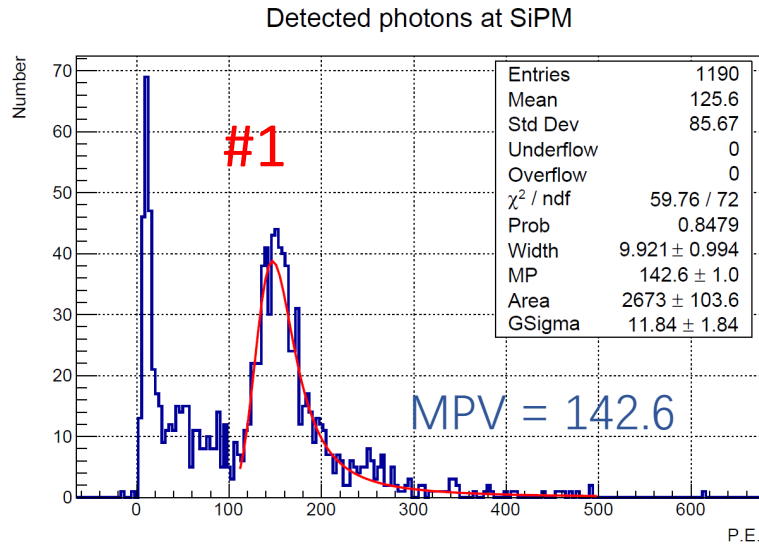


Detected photons at SiPM



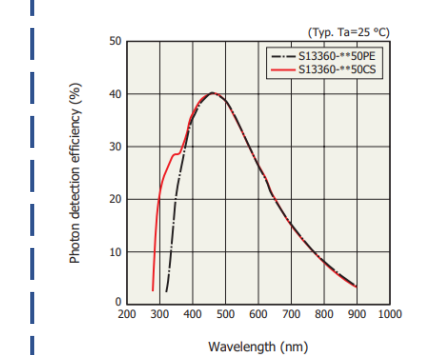
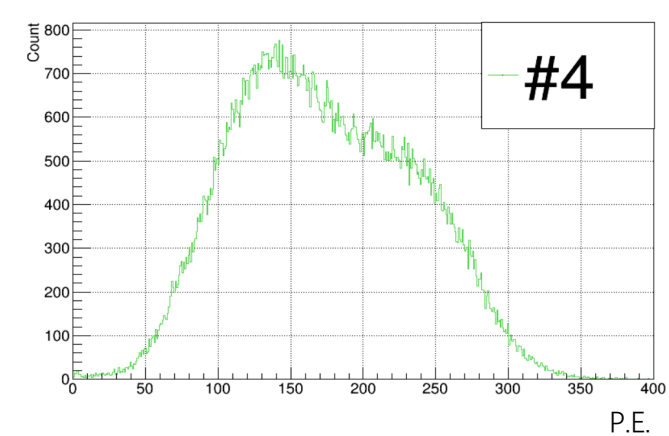
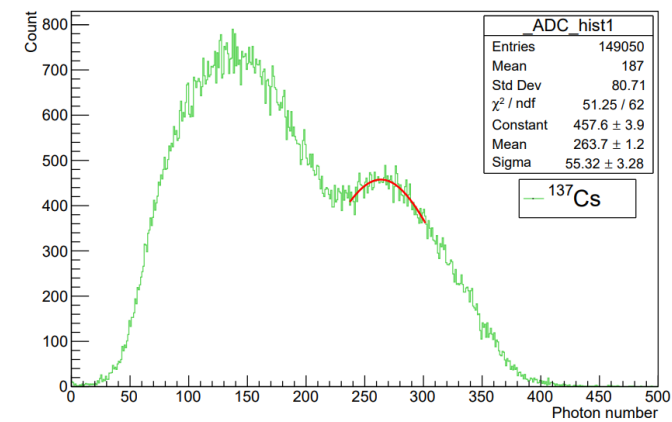
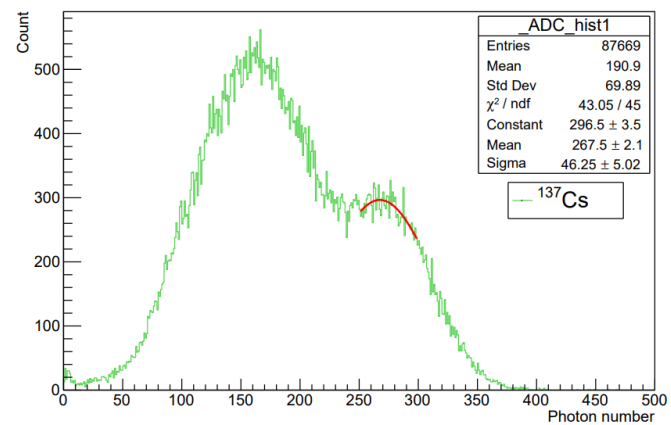
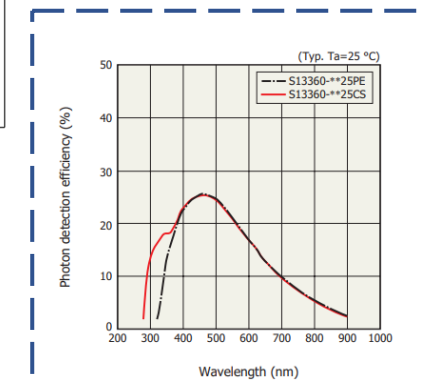
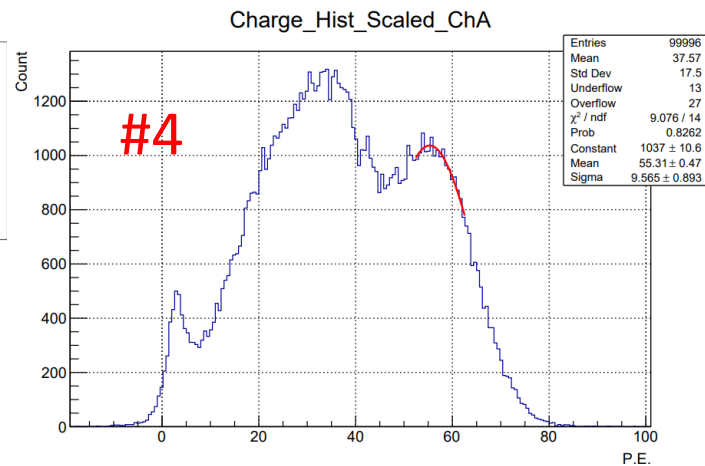
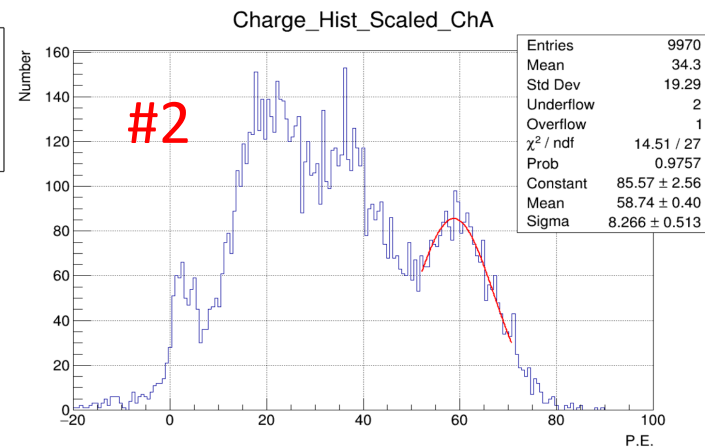
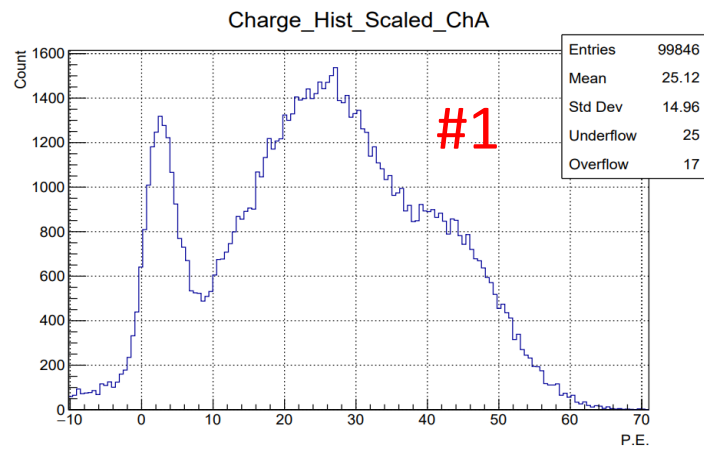
	#1	#2	#3	#4
Thickness [mm]	2.6	5	2	3
LY [ph/MeV]	1117	1076	3455	1100
Density [g/cm ³]	5.44	6.0	3.3	6.021
MIP [p.e.]	142.6	312.5	203.1	243.1
MIP/(Thi*Den)	10.08	10.42	30.77	13.46

Glass: 宇宙线模拟和实验结果



- Light yield $\times 1.2$
- Light attenuation length $\times 5$

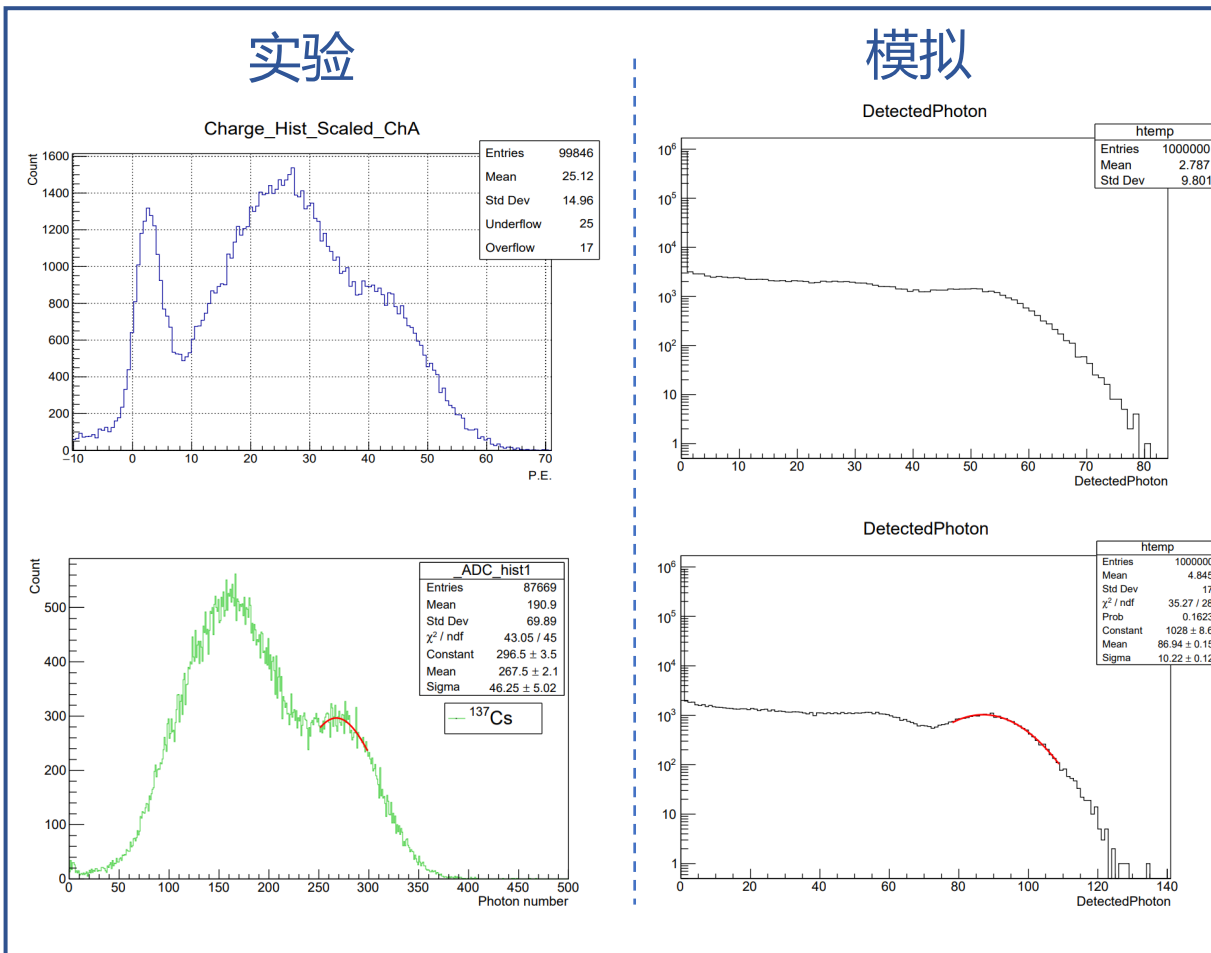
Glass: 放射源(^{137}Cs)测试结果



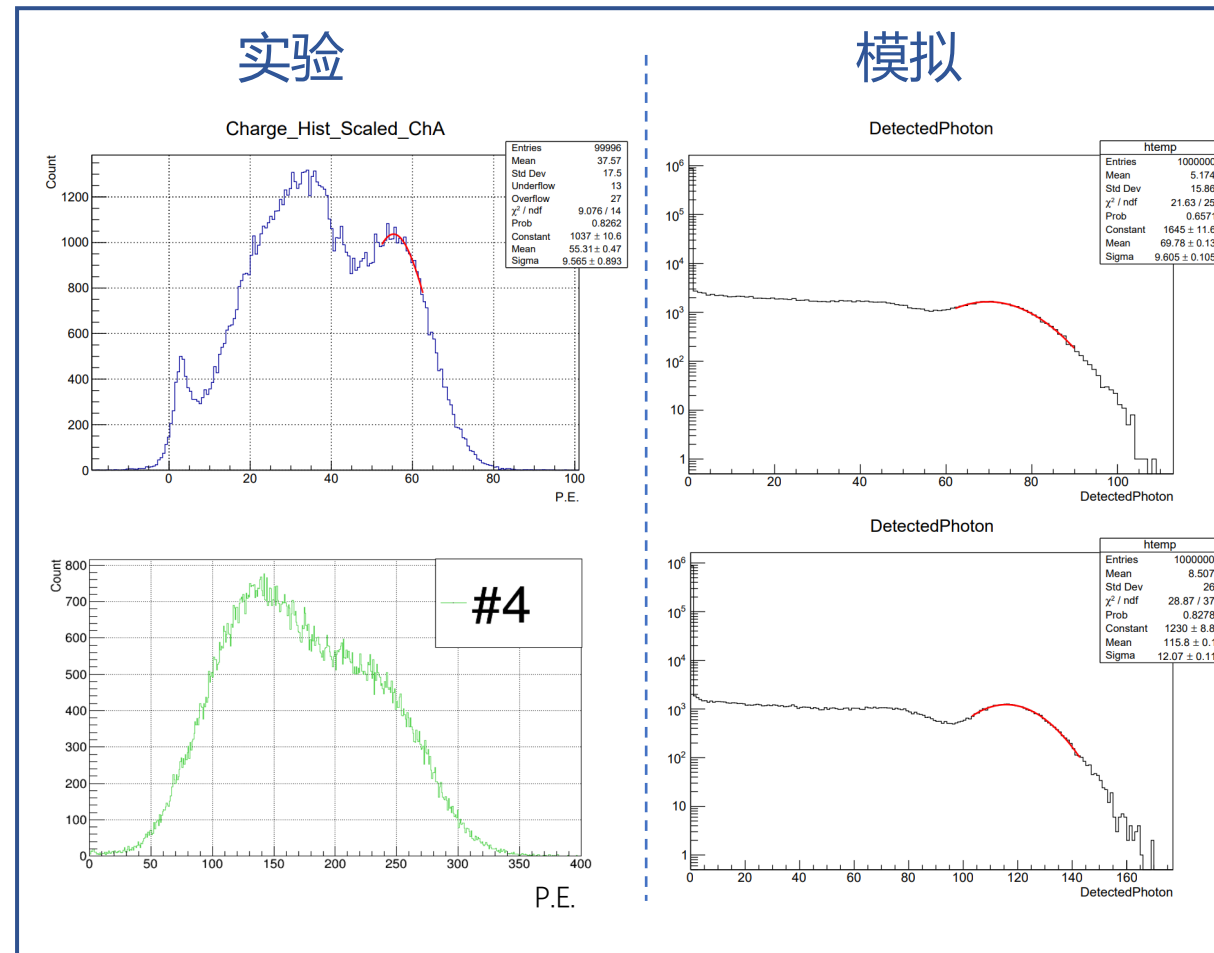
Glass: 放射源(^{137}Cs)模拟结果

- Light yield $\times 1.2$
- Light attenuation length $\times 5$

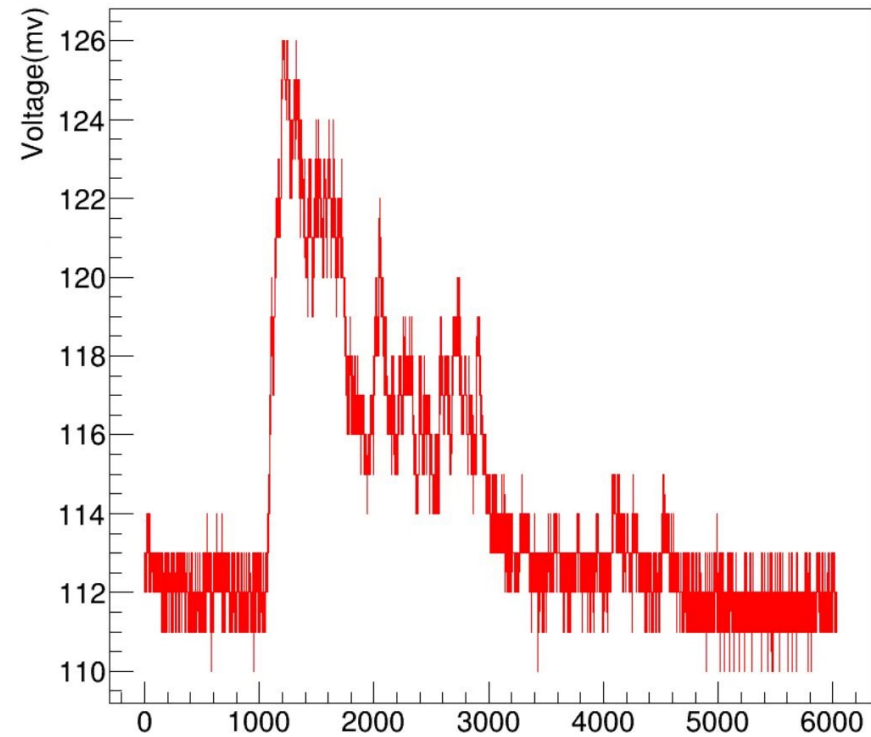
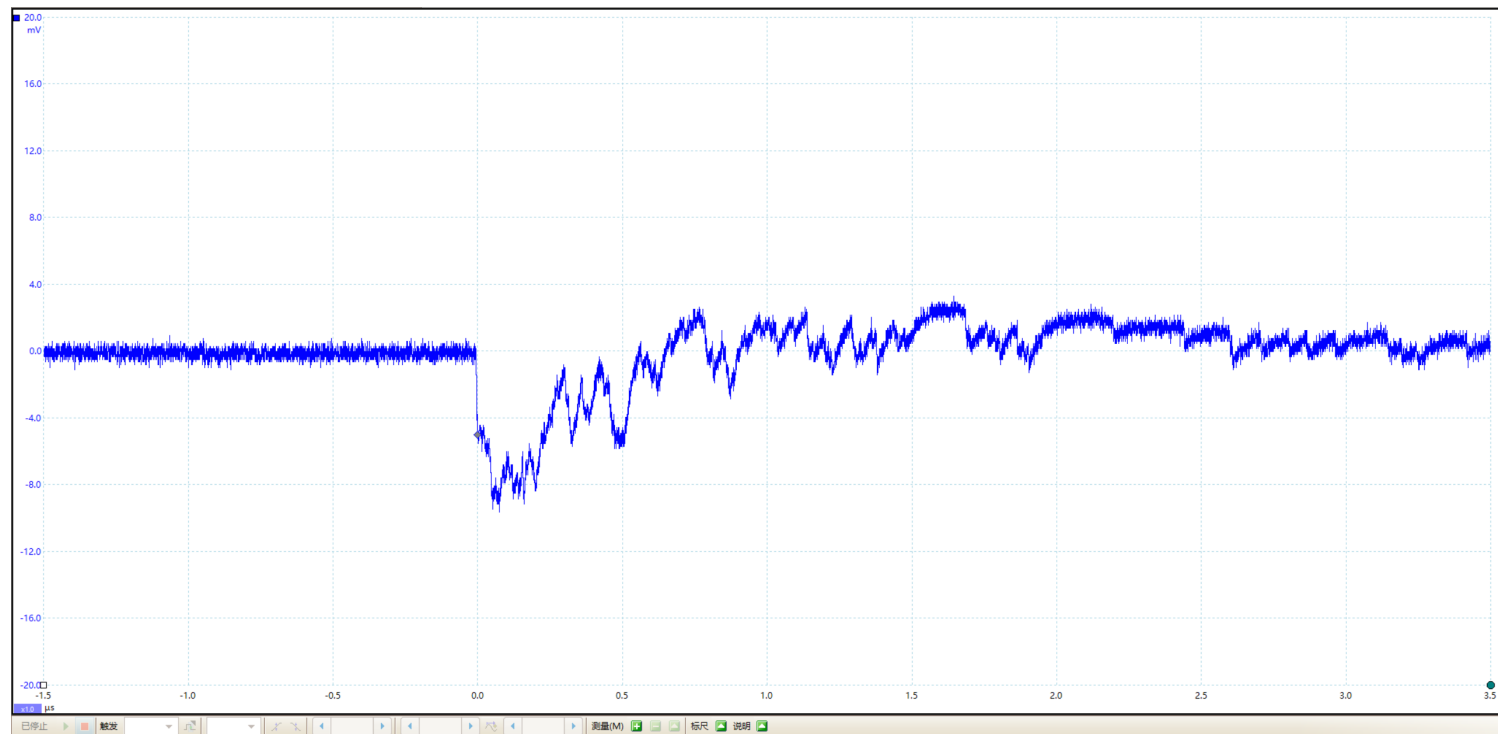
#1



#4



波形对比



BGO: 放射源(137Cs)测试结果

