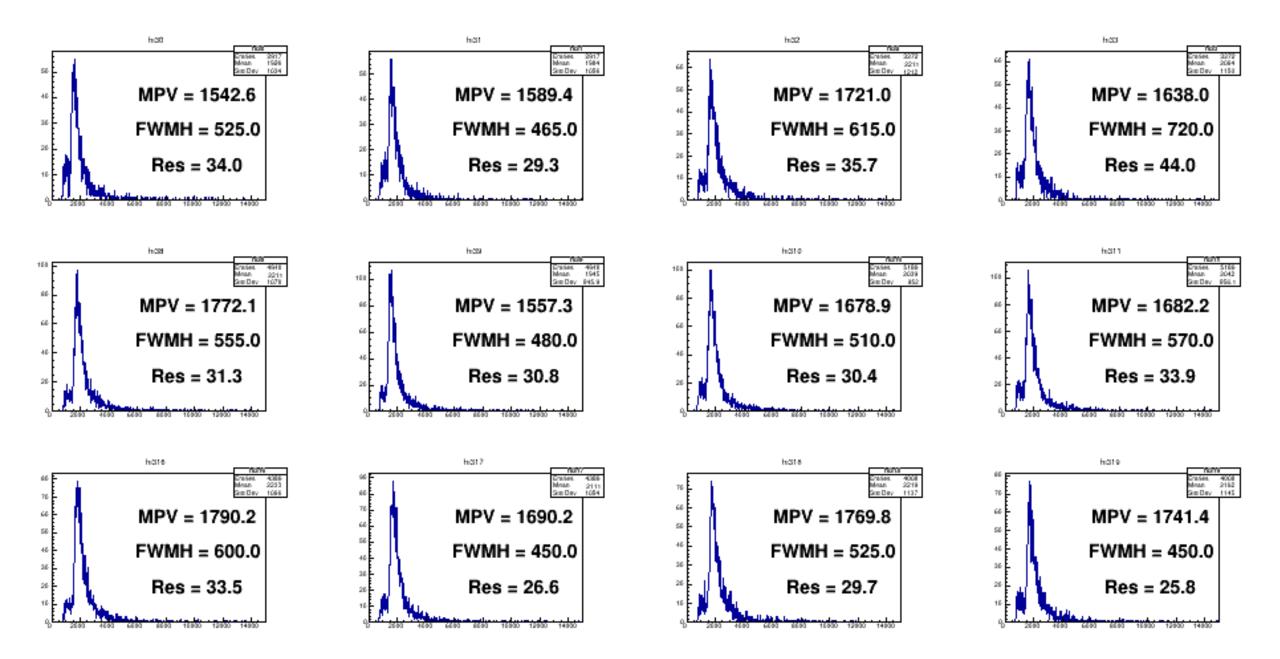


ByungChan lee

The interval of integration

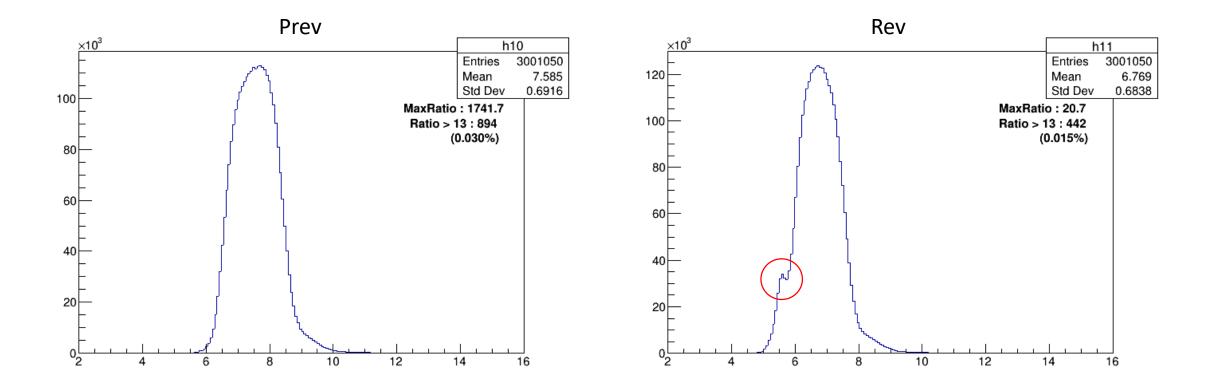
- Comparing FWHM
- FWHM/MPV doesn't change much as the interval varies
- 100ns will be good enough

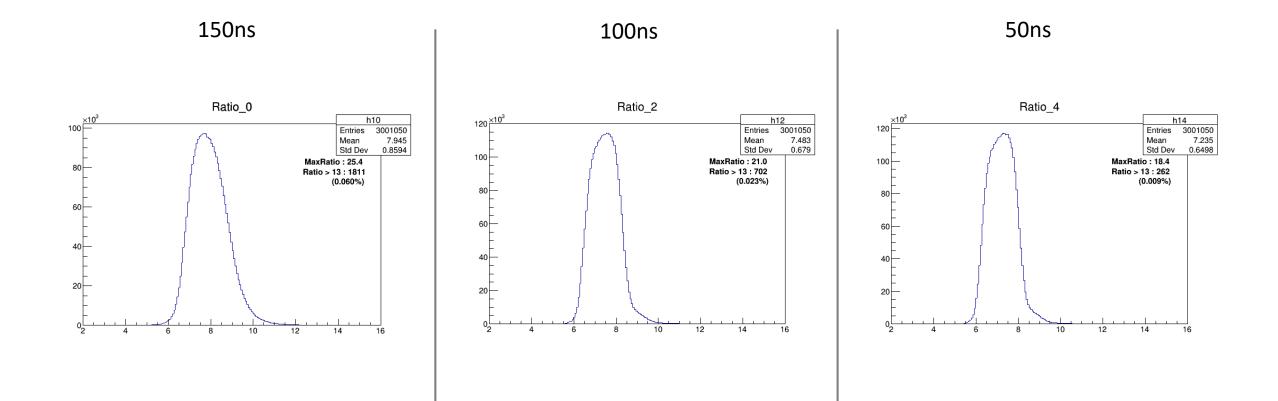
	FWHM/MPV (%)
*height	33.27
*integral The length of interval	
Full range	34.96
150ns	31.90
100ns	31.60
70ns	32.85
50ns	31.19



Previous Slide

Integ / height



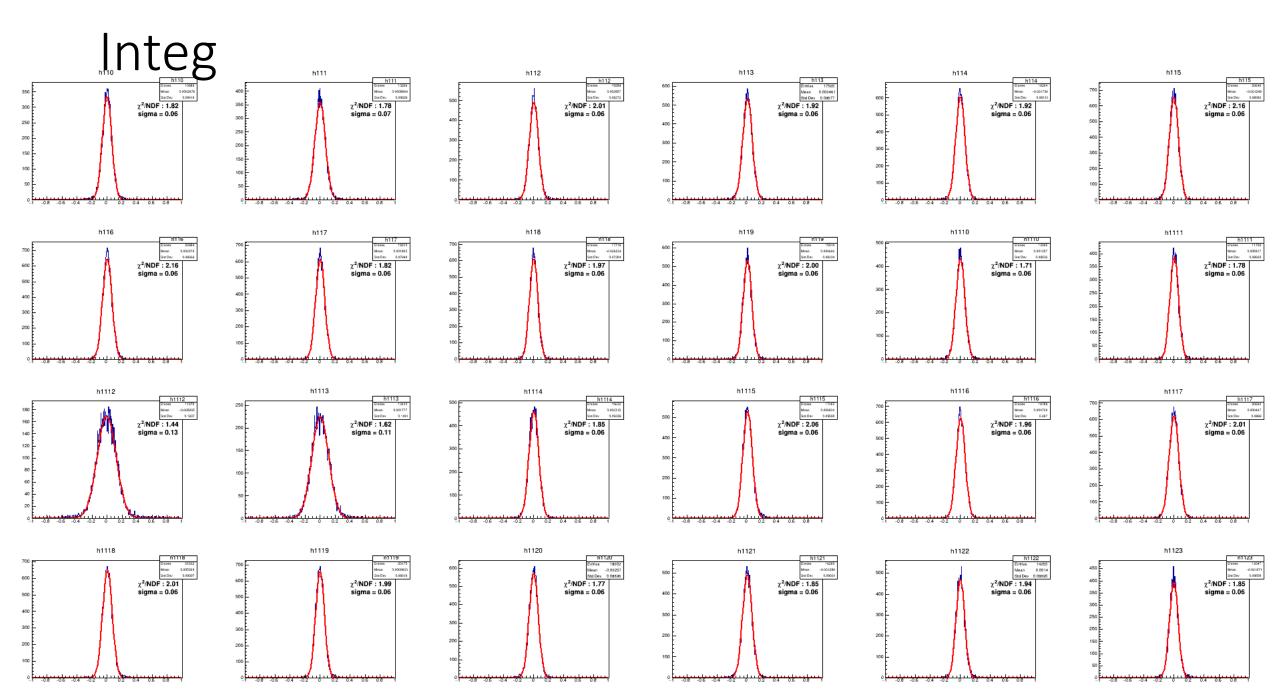


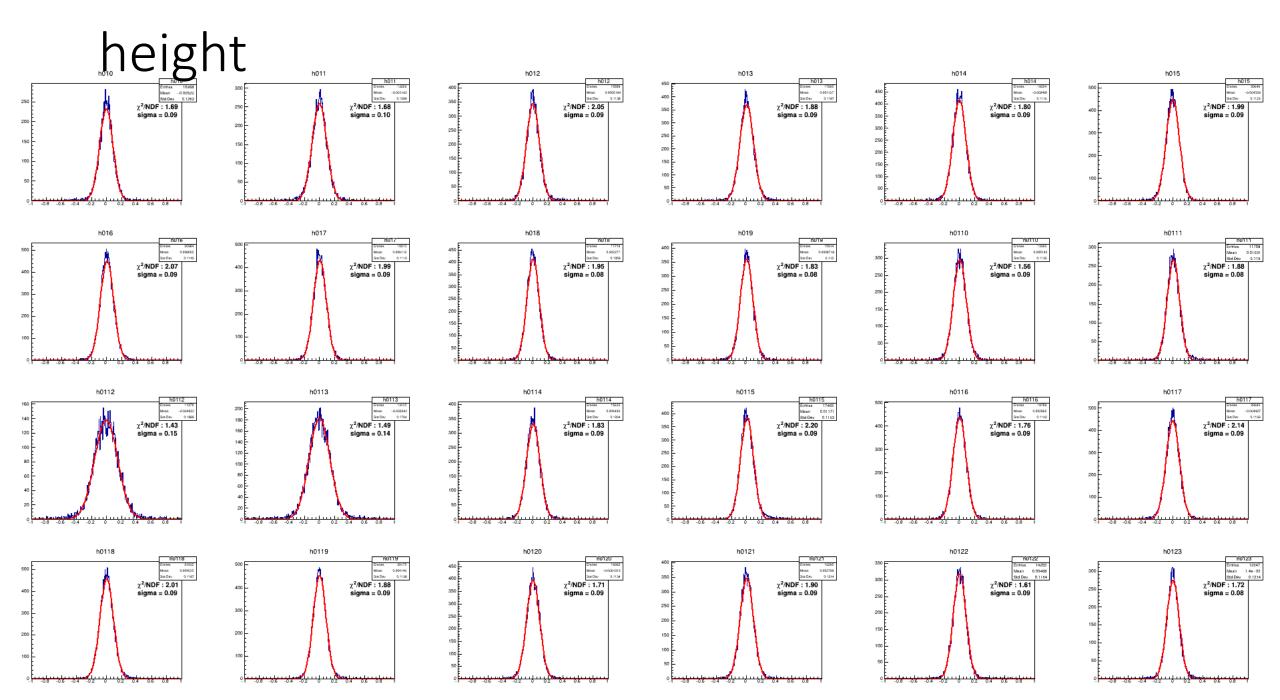
Energy Resolution

• To remove effects from the gain difference of PMTs, divide each value by its MPV

	Prev	100ns
Height Res	15.34	15.38
Integ Res	11.12	11.01

• The energy resolution of integral is better





Comparing FWHM

 Comparing FWHM/MPV of the geometric mean of height and that of Integral

	Prev	100ns
height	32.74	31.84
integ	32.73	32.43

Energy Resolution

• Check $\sigma \sim \sqrt{E}$

