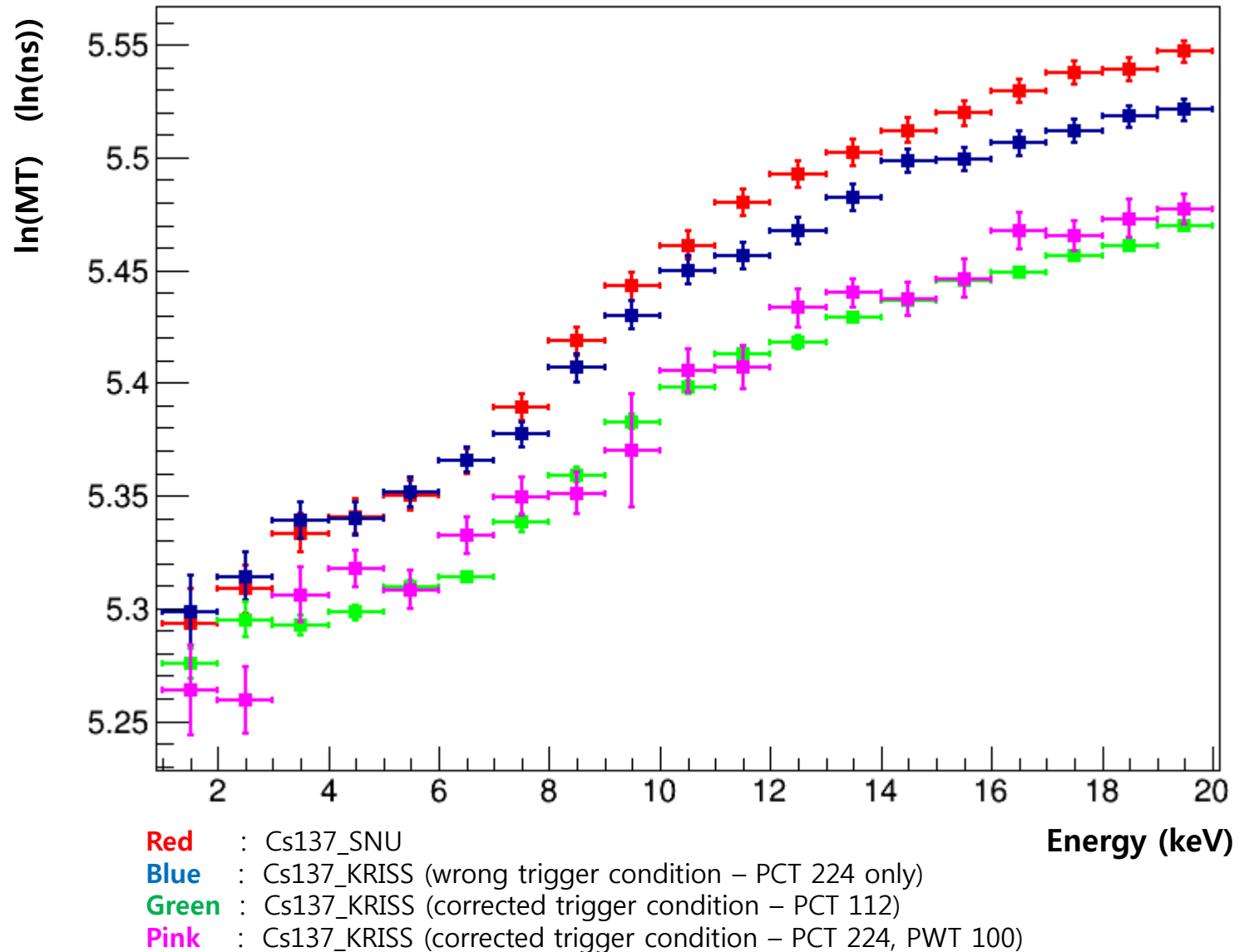




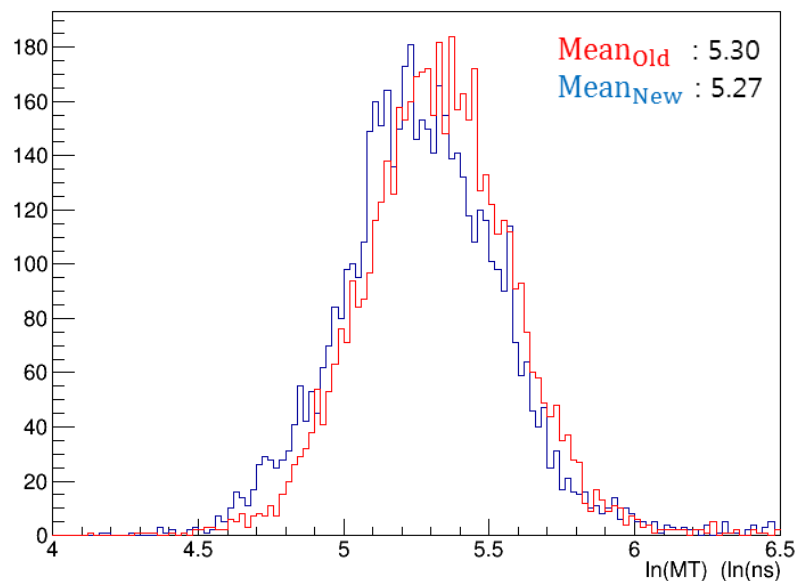
Calculate $\ln(MT)$ for each keV

Old : PCT 224

New : PCT 112

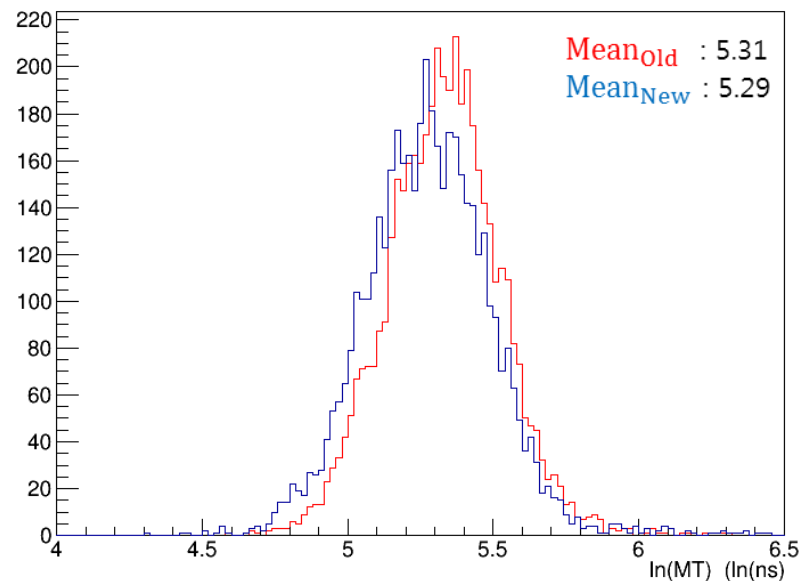
1~2 keV

h1



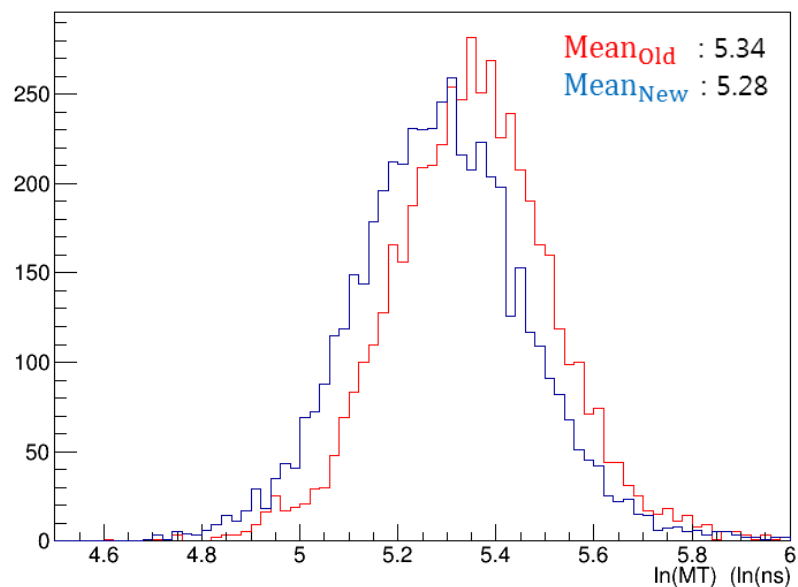
2~3 keV

h2



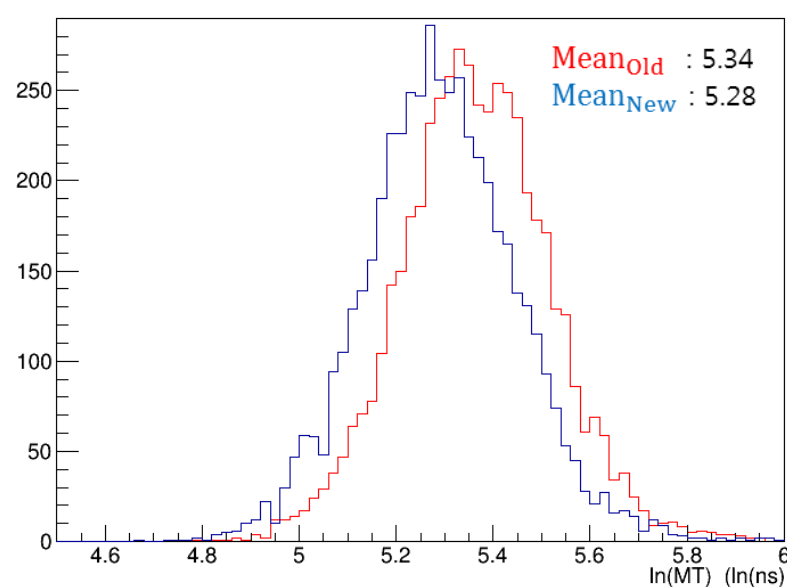
3~4 keV

h3



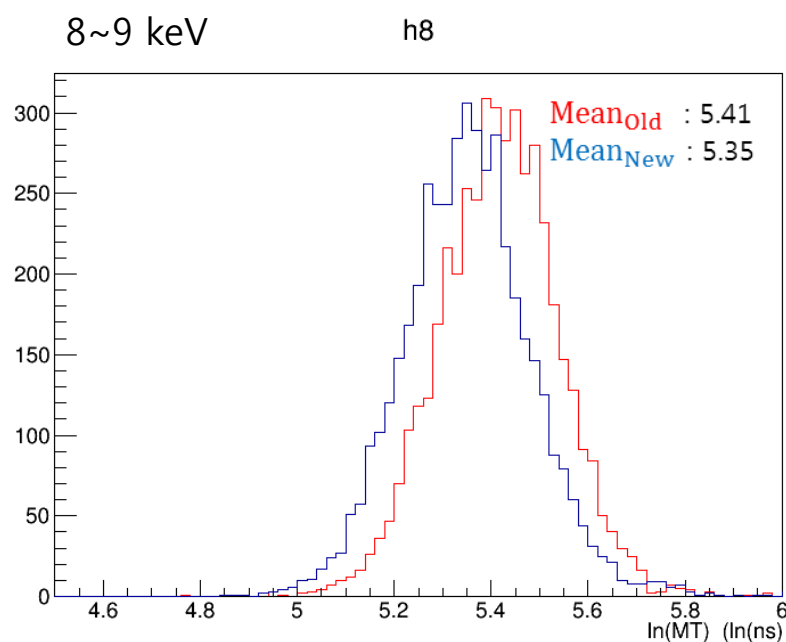
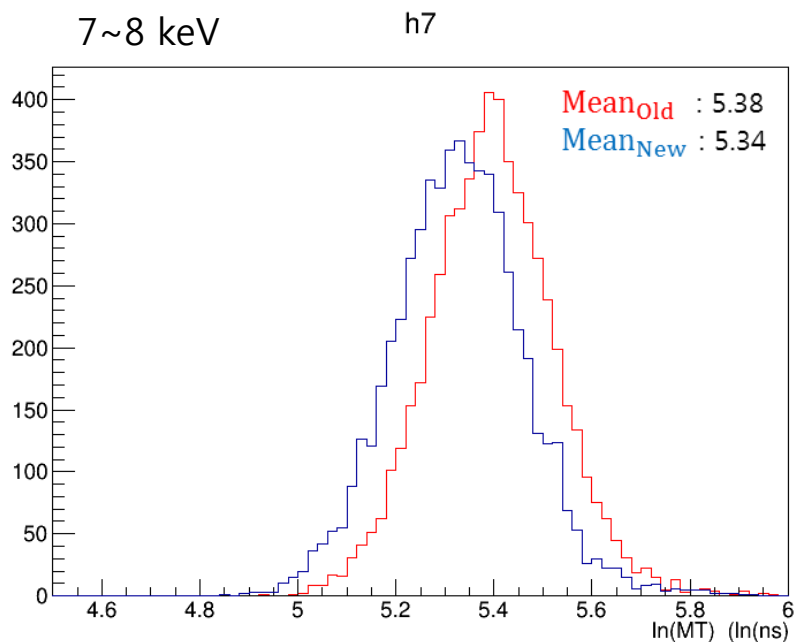
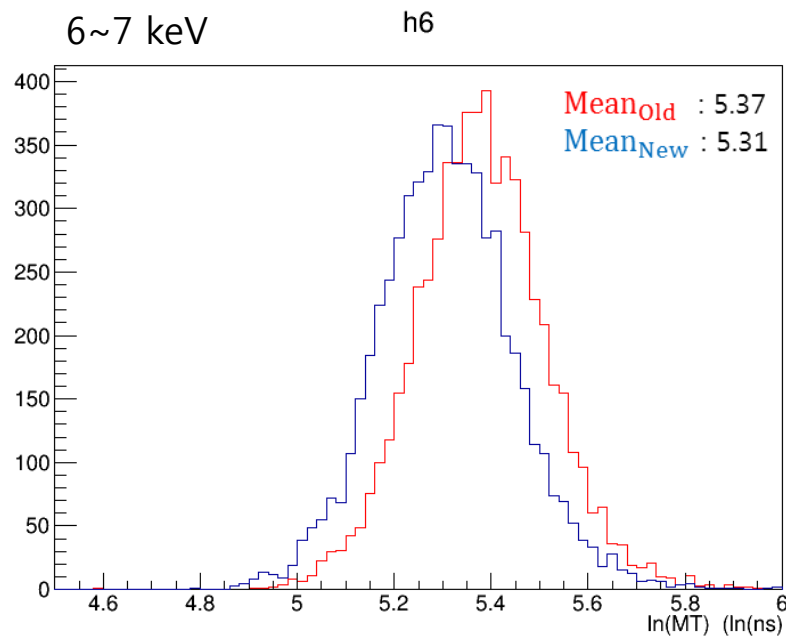
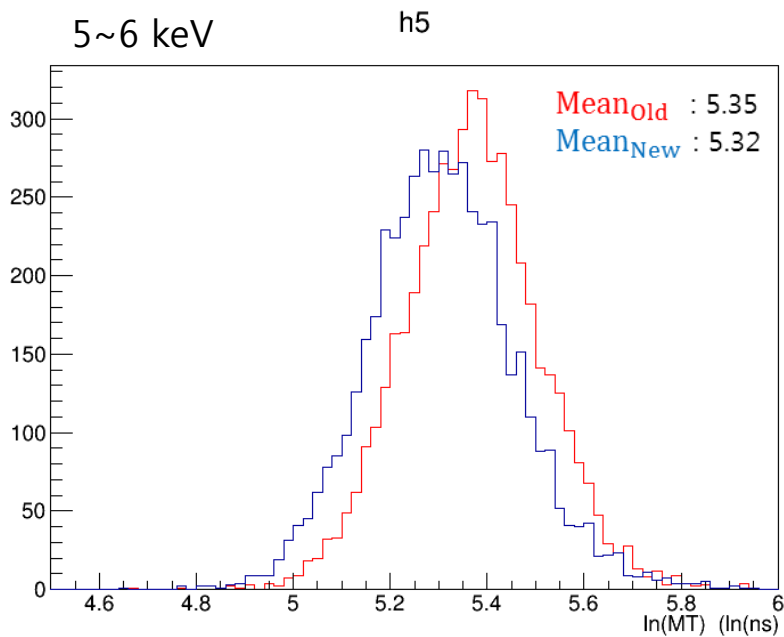
4~5 keV

h4



Calculate $\ln(MT)$ for each keV

Old : PCT 224
New : PCT 112



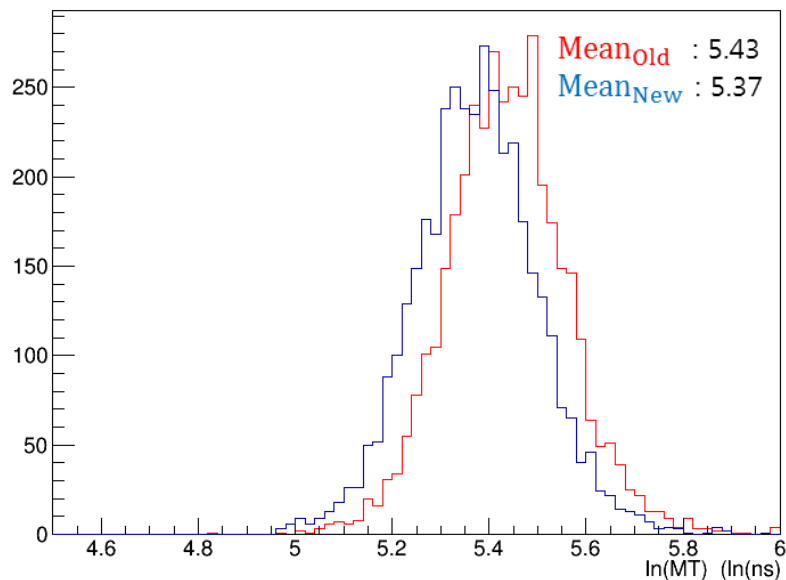
Calculate $\ln(MT)$ for each keV

Old : PCT 224

New : PCT 112

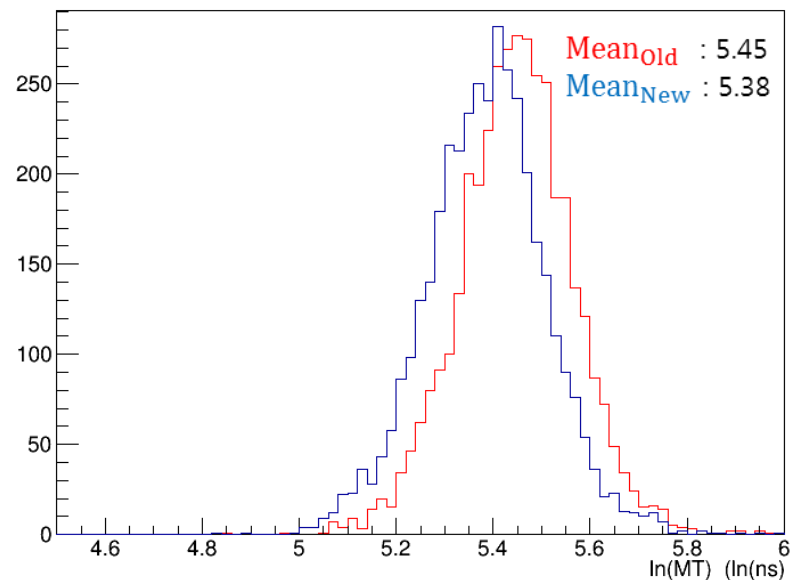
9~10 keV

h9



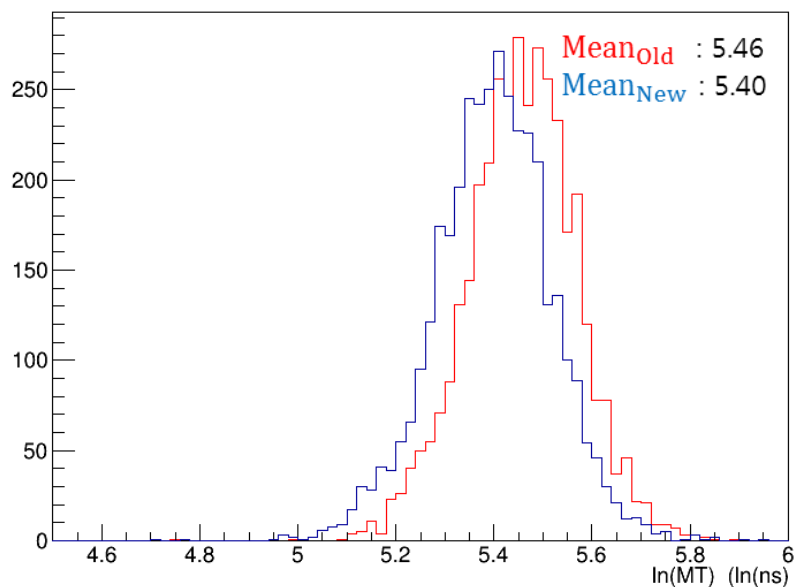
10~11 keV

h10



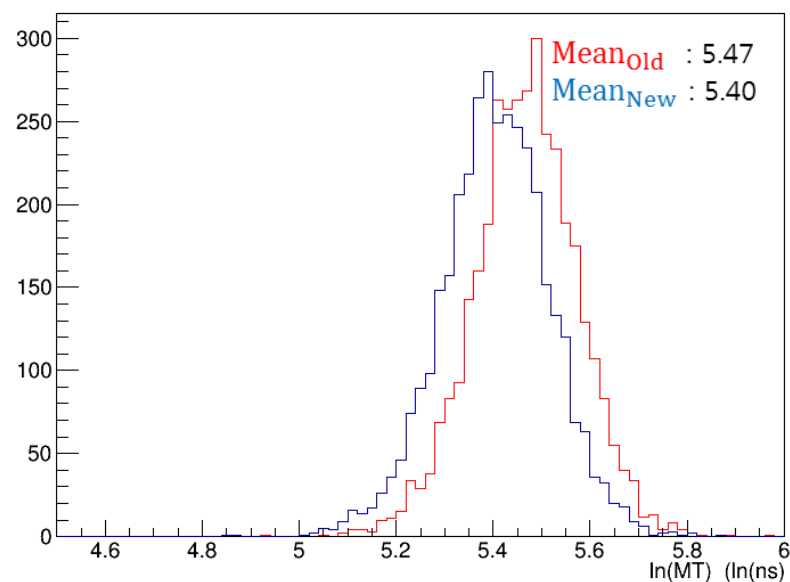
11~12 keV

h11



12~13 keV

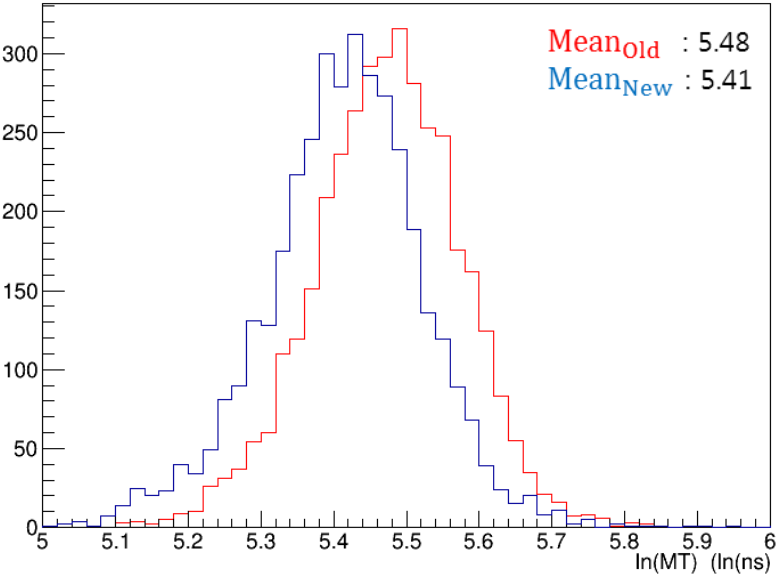
h12



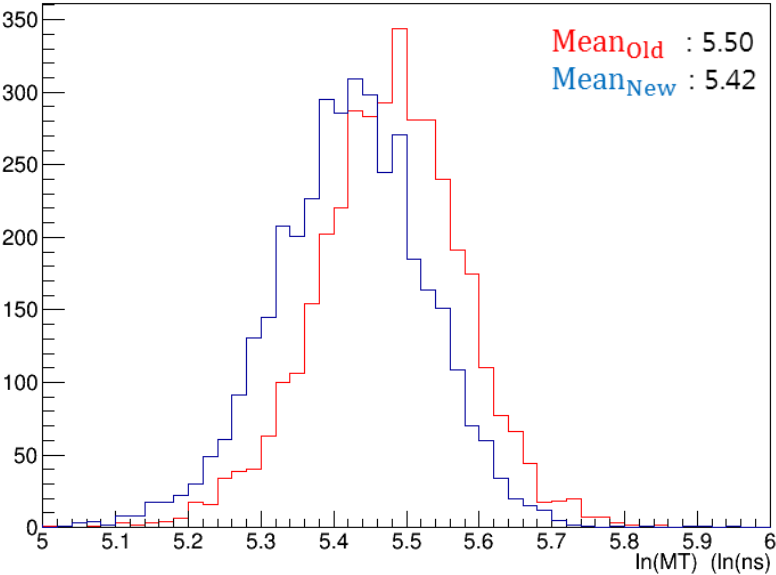
Calculate ln(MT) for each keV

Old : PCT 224
New : PCT 112

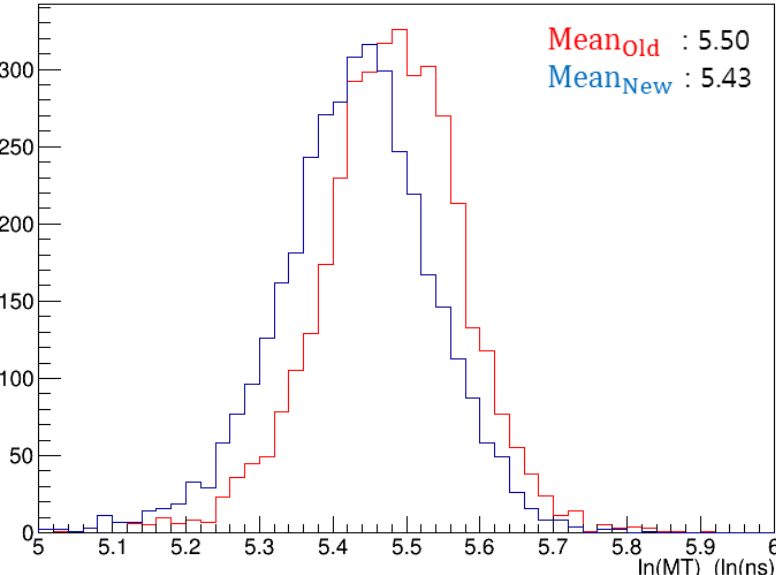
13~14 keV h13



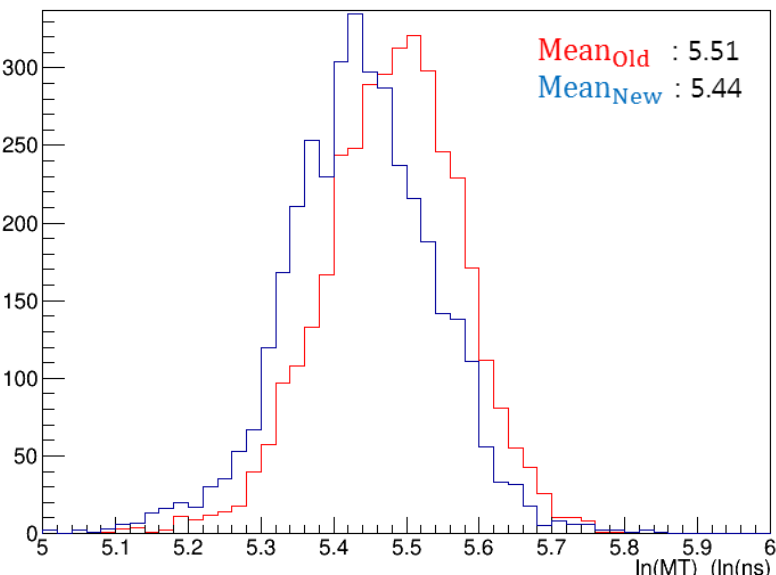
14~15 keV h14



15~16 keV h15



16~17 keV h16



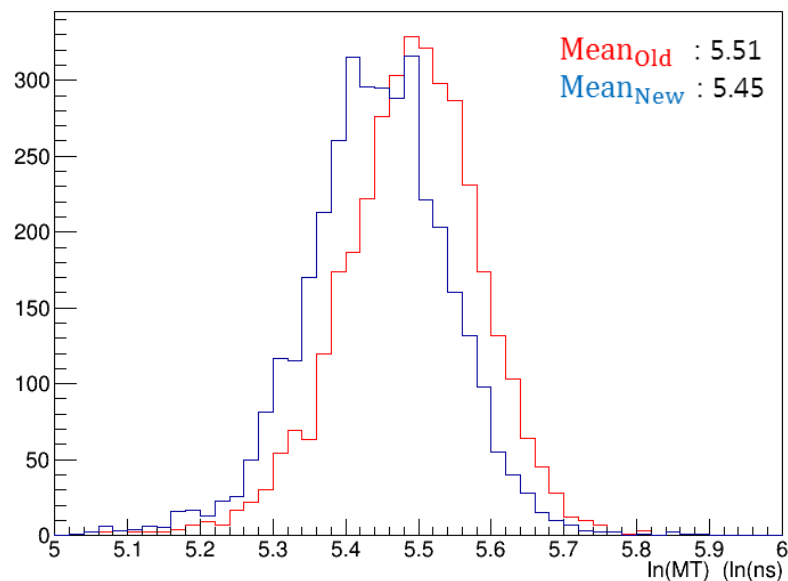
Calculate $\ln(MT)$ for each keV

Old : PCT 224

New : PCT 112

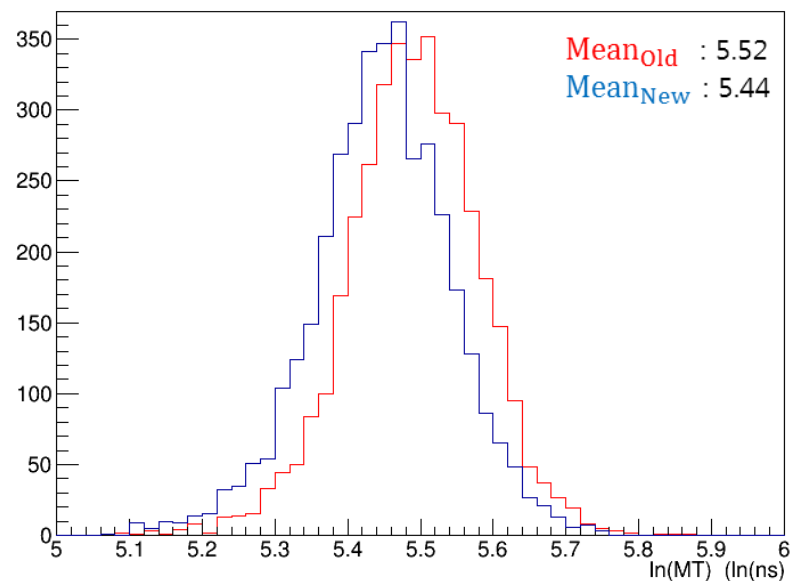
17~18 keV

h17



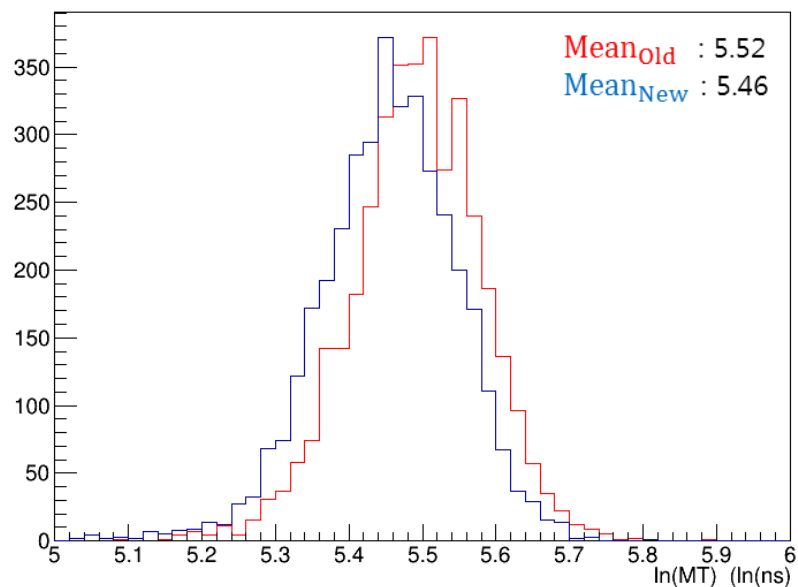
18~19 keV

h18

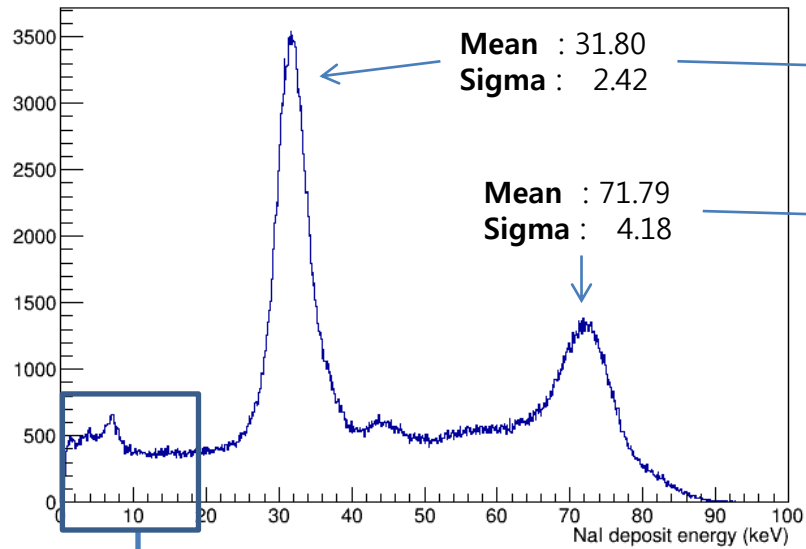


19~20 keV

h19

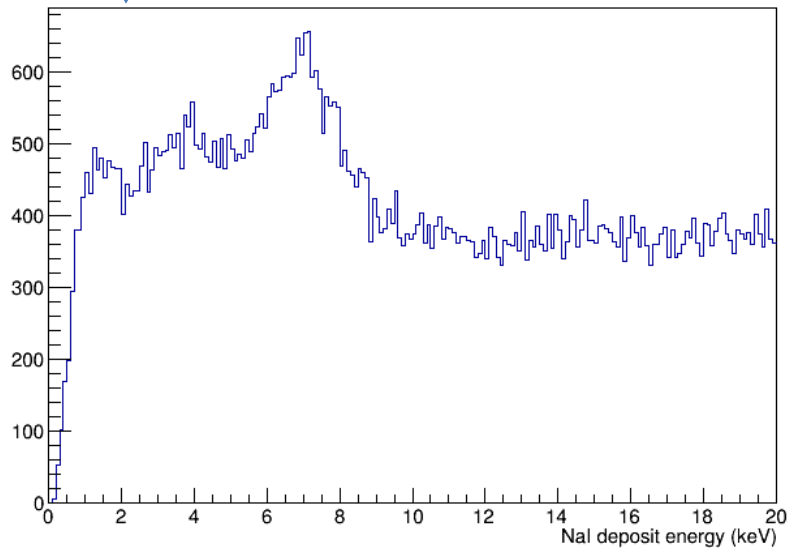


Deposit energy on NaI crystal

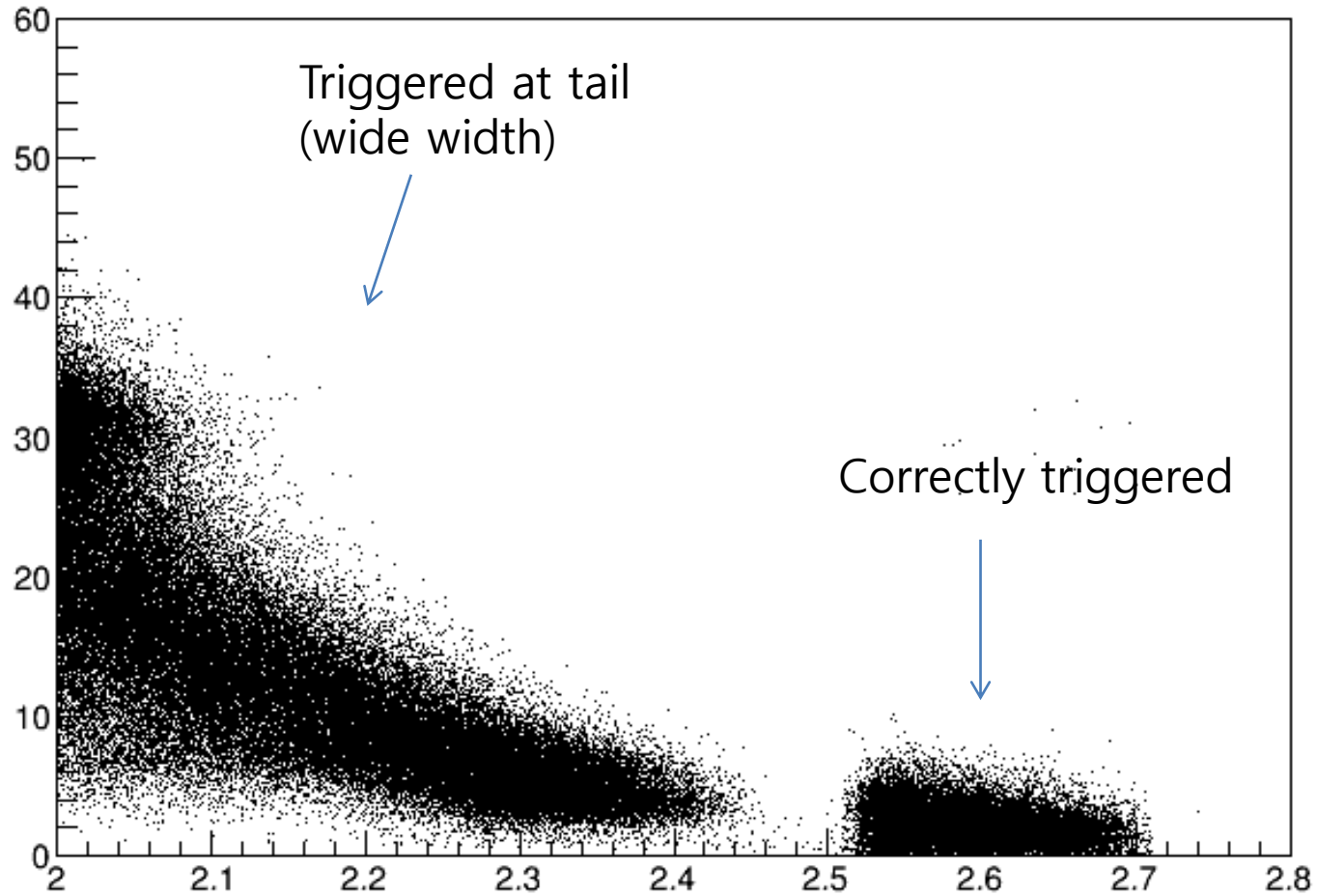


K X-ray (32.1 keV) from internal conversion of Ba

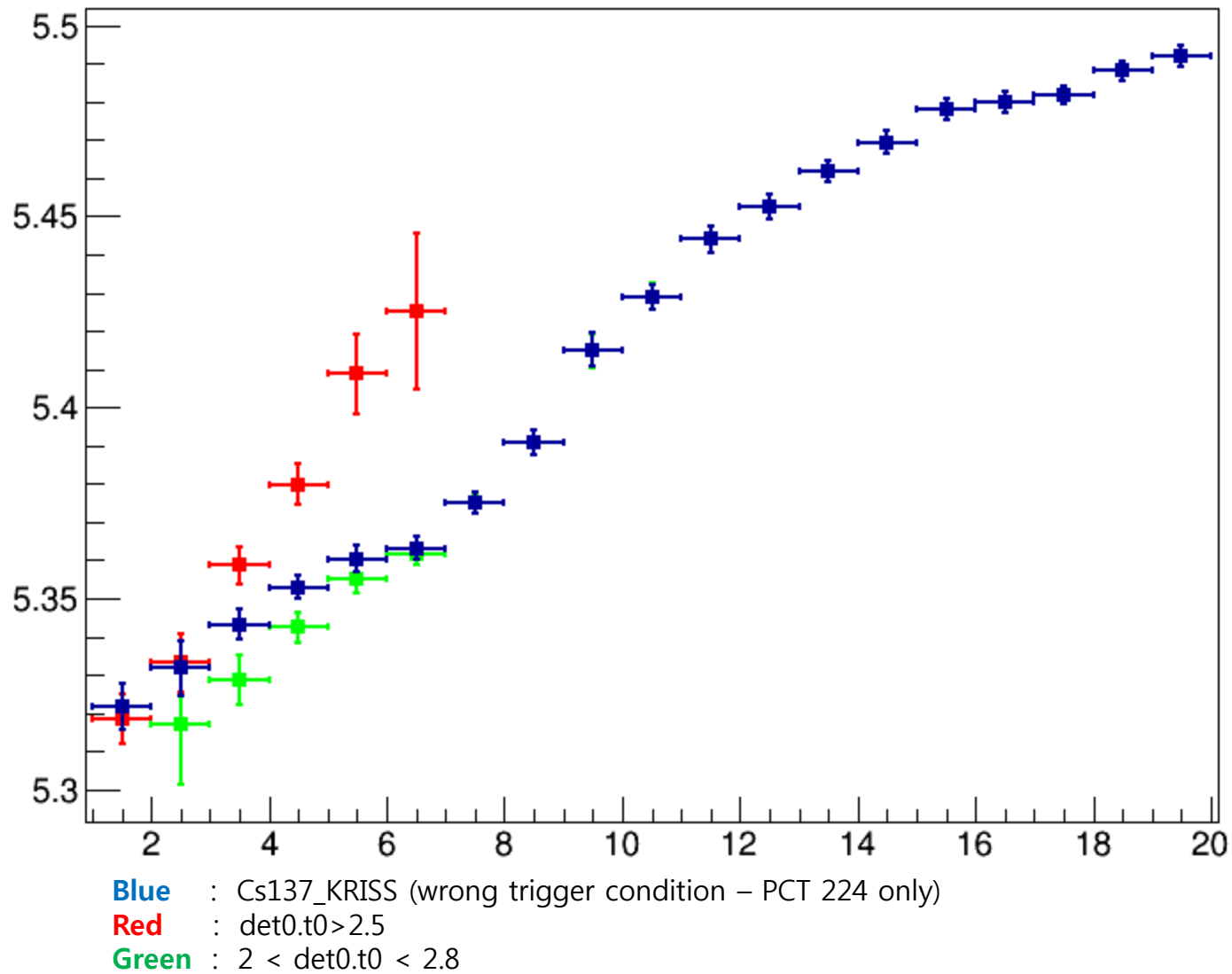
Flourescent X-ray from lead (72 keV)



Wrong trigger condition



Wrong trigger condition



Plans

- DAQ with PCT 112 again and with PCT 224 (w/o PWT 100ns)
- Calculate mean decay time with leading edge, not t_0
- Compare results of SNU / KRISS / Y2L (NaI-002?)
- Install new DAQ system (500Mhz FADC)

Backup Slides

