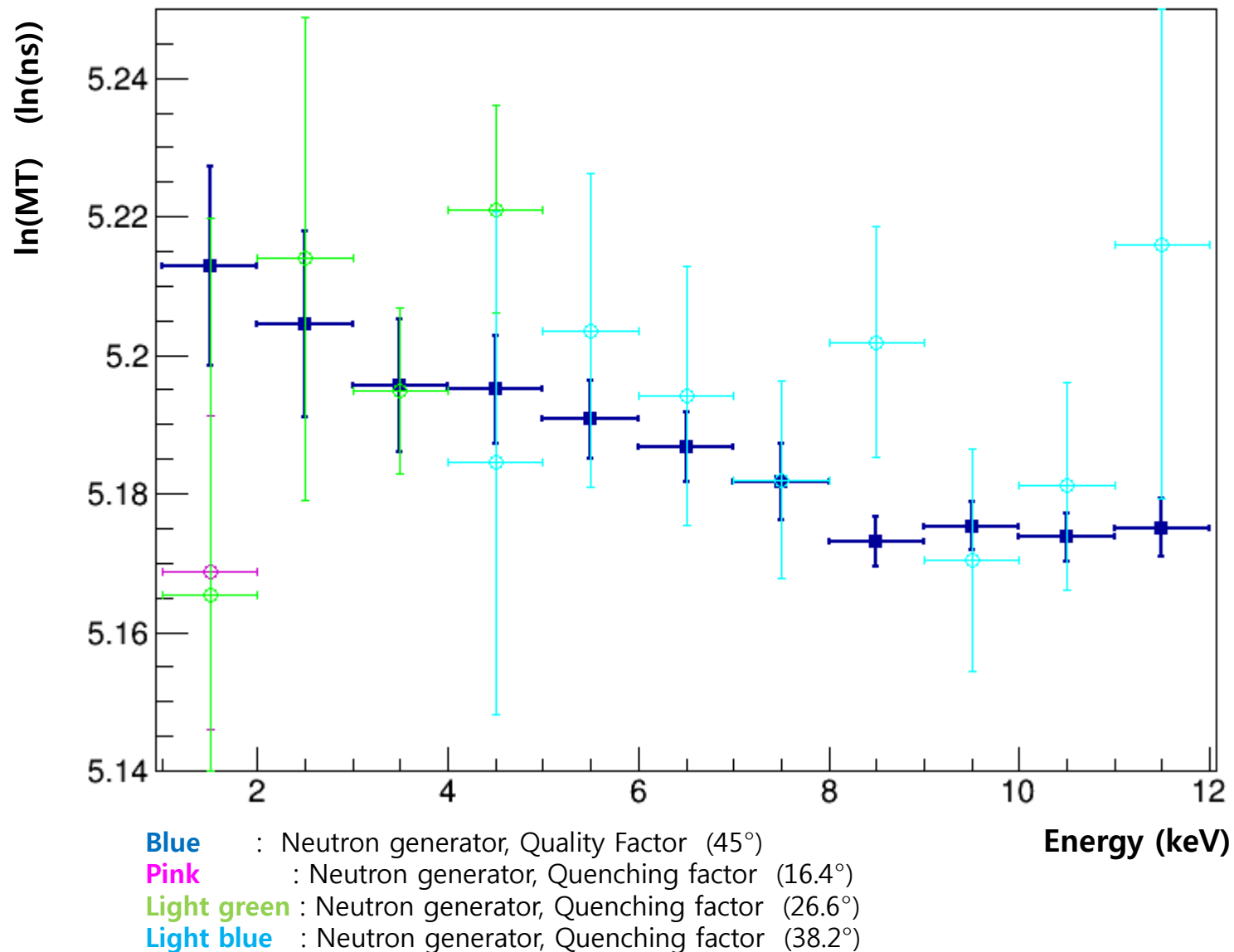
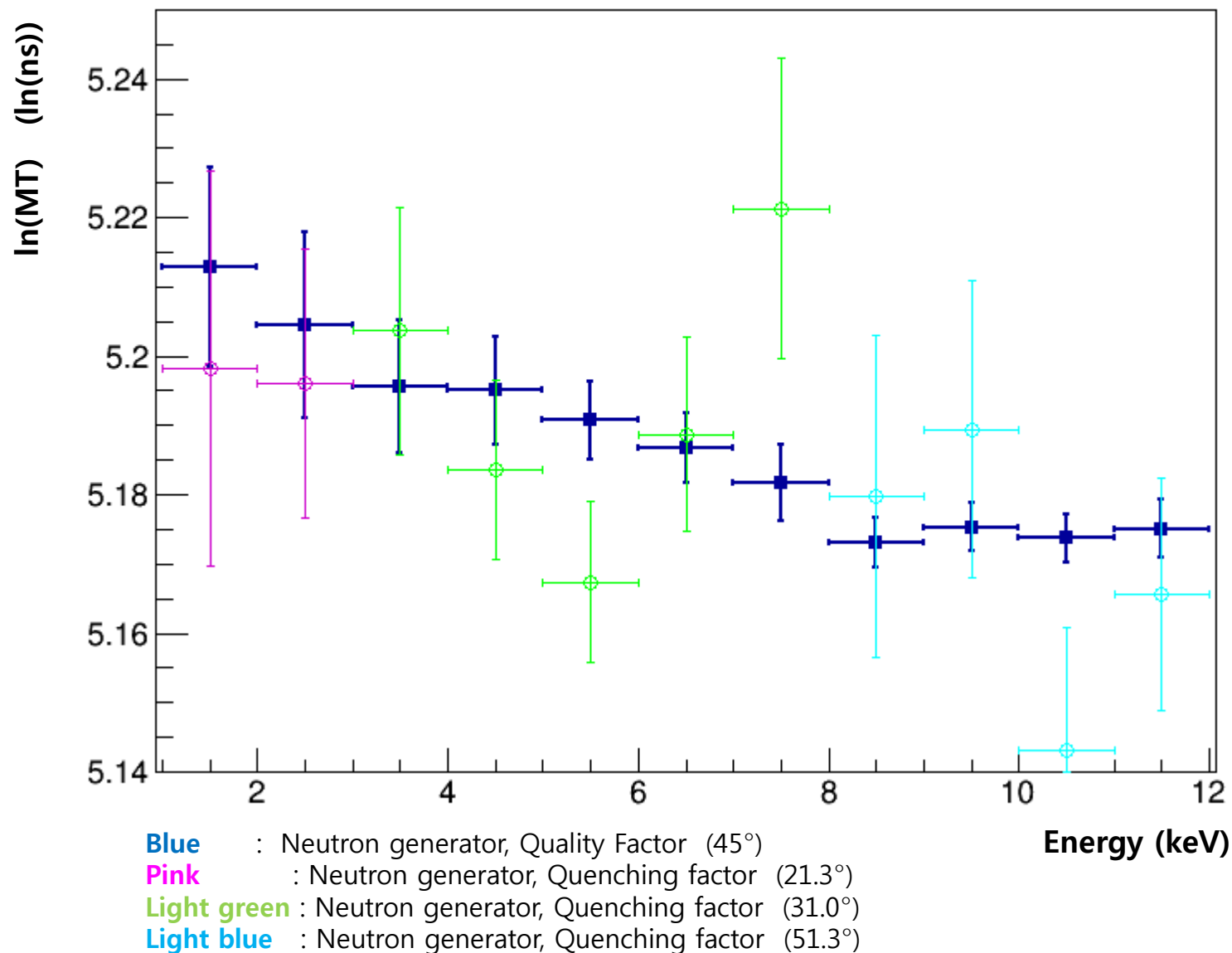


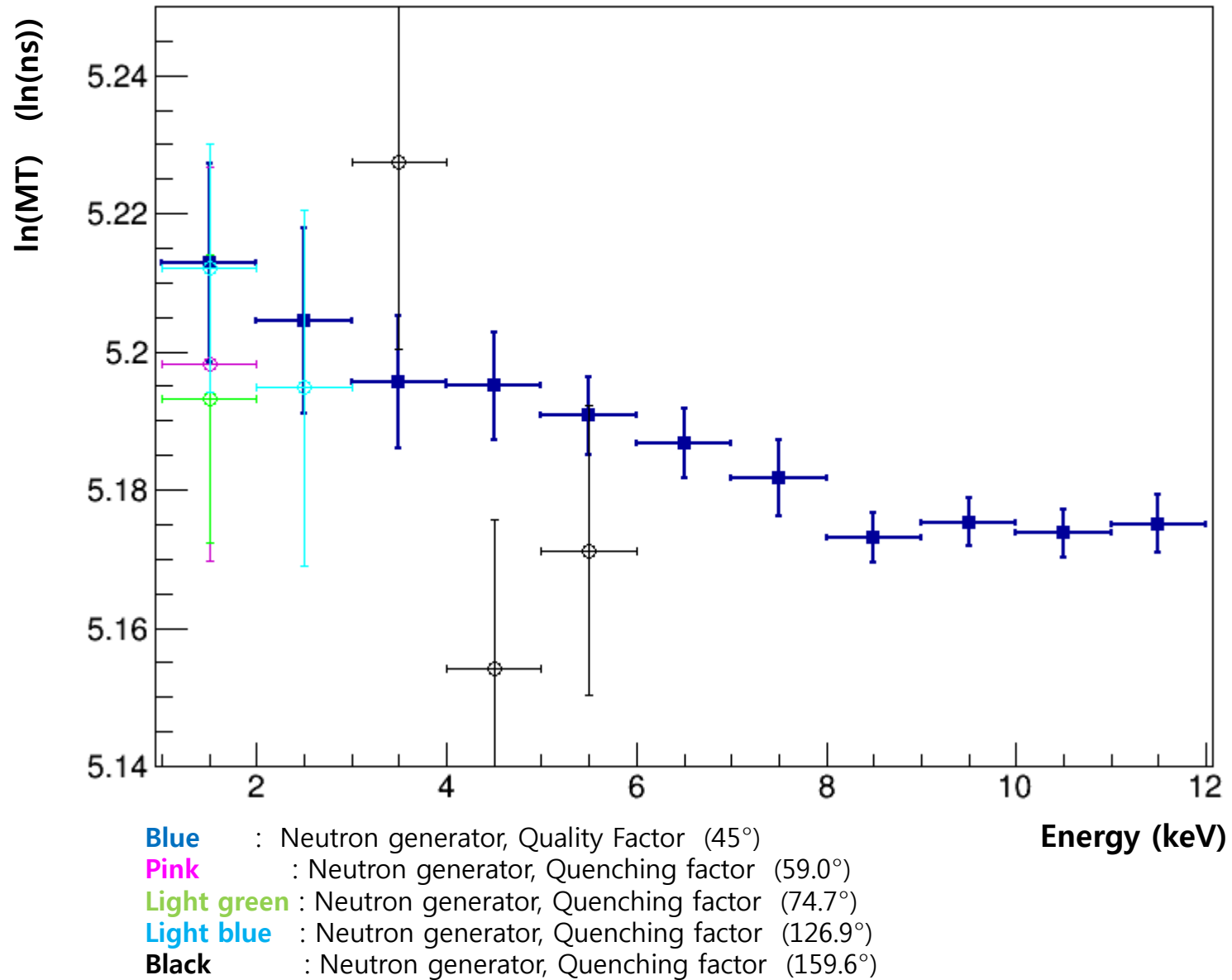
ln(MT) – Na recoil (setup 1)

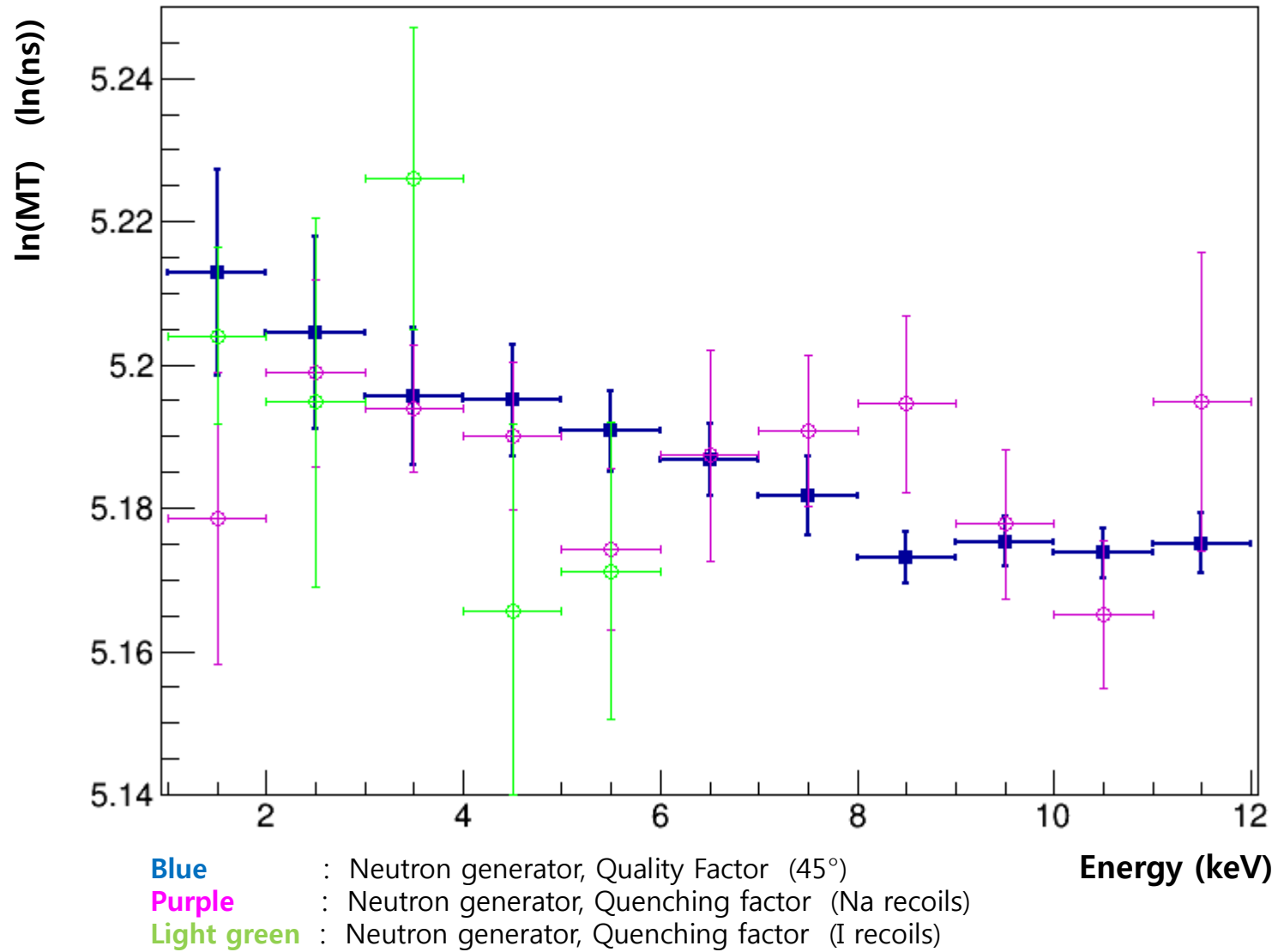


ln(MT) – Na recoil (setup 2, 3)



ln(MT) – I recoil (setup 2, 3)

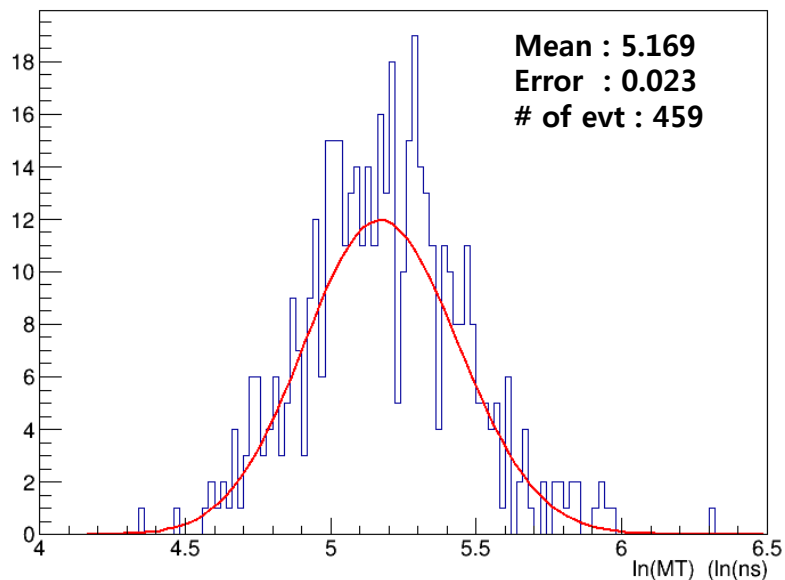




In(MT) – Na recoil (setup1)

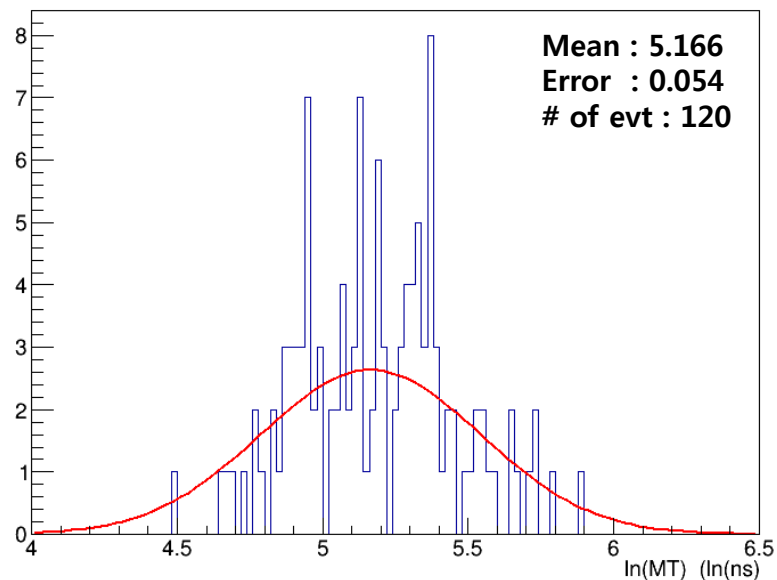
(1 keV to 2 keV)

16.4°



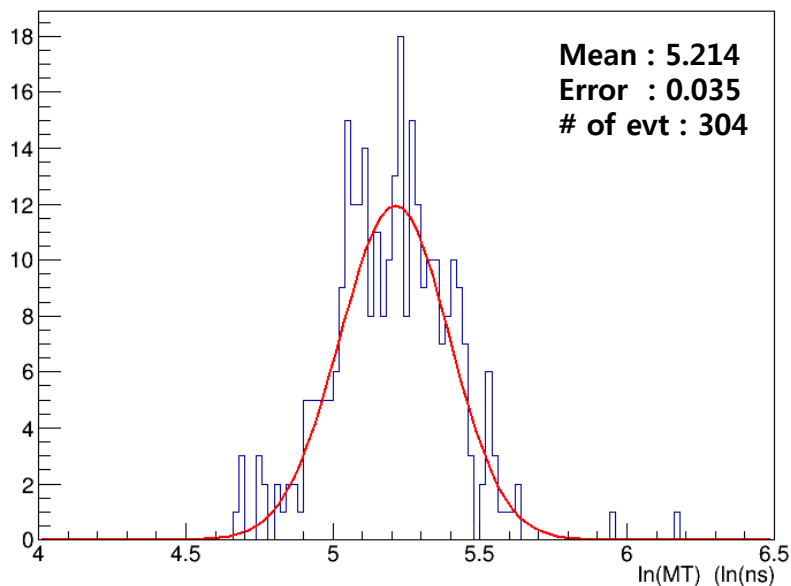
(1 keV to 2 keV)

26.6°



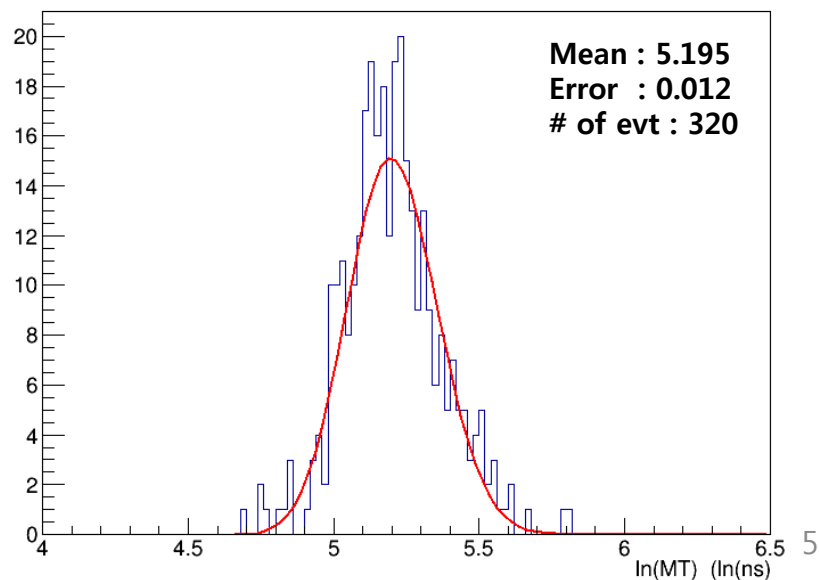
(2 keV to 3 keV)

26.6°



(3 keV to 4 keV)

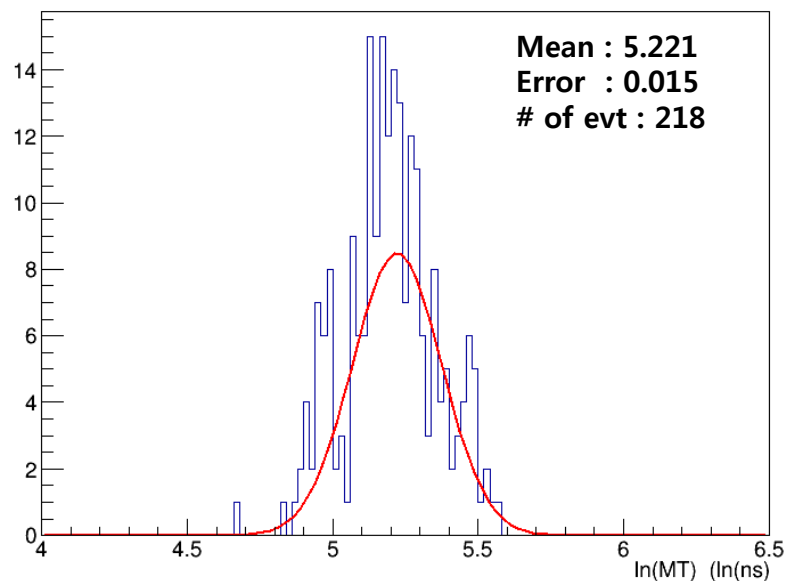
26.6°



In(MT) – Na recoil (setup1)

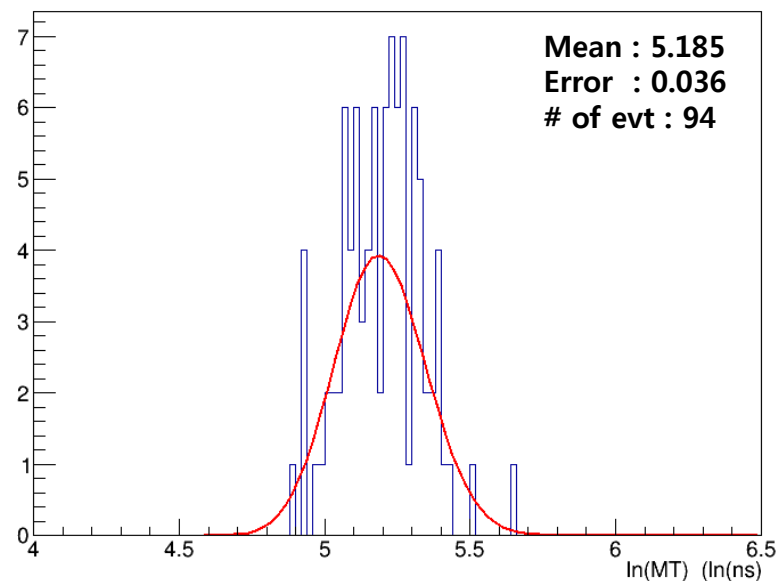
(4 keV to 5 keV)

26.6°



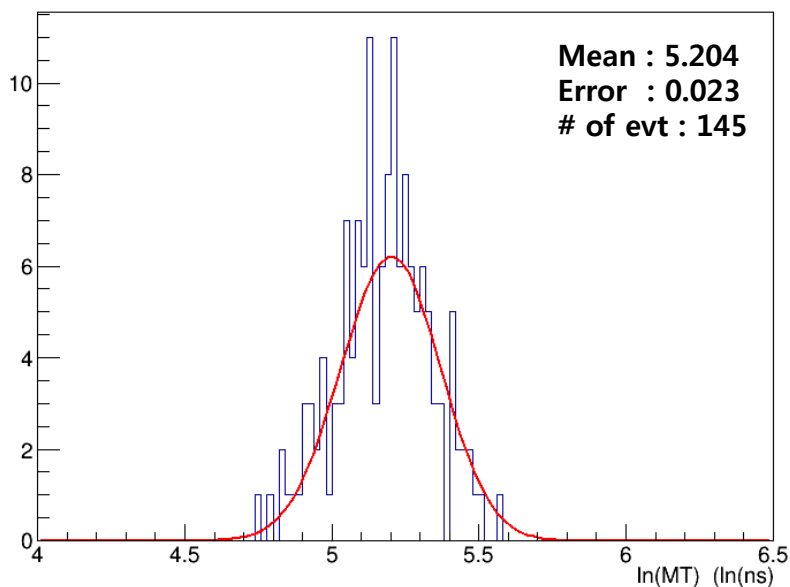
(4 keV to 5 keV)

38.2°



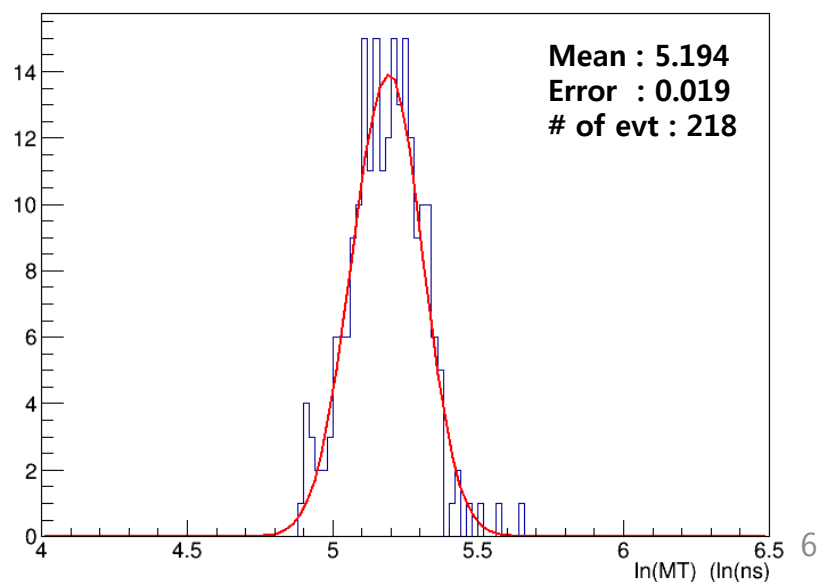
(5 keV to 6 keV)

38.2°



(6 keV to 7 keV)

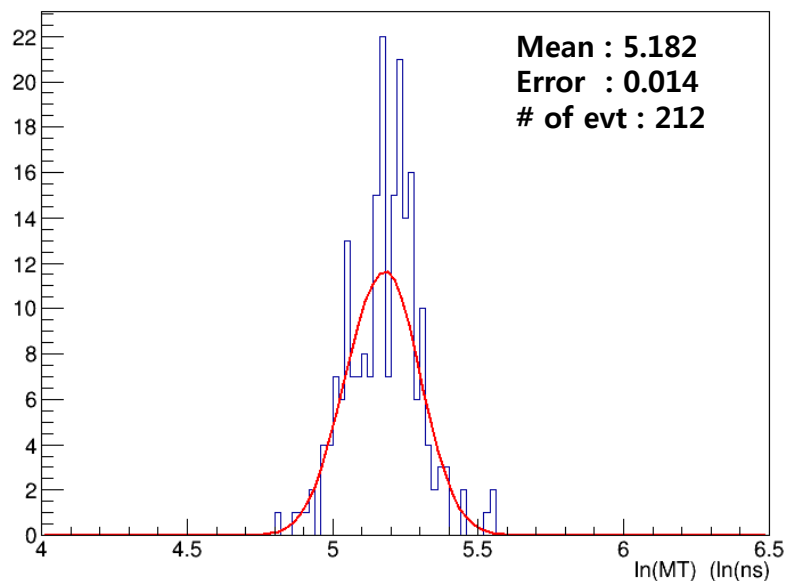
38.2°



In(MT) – Na recoil (setup1)

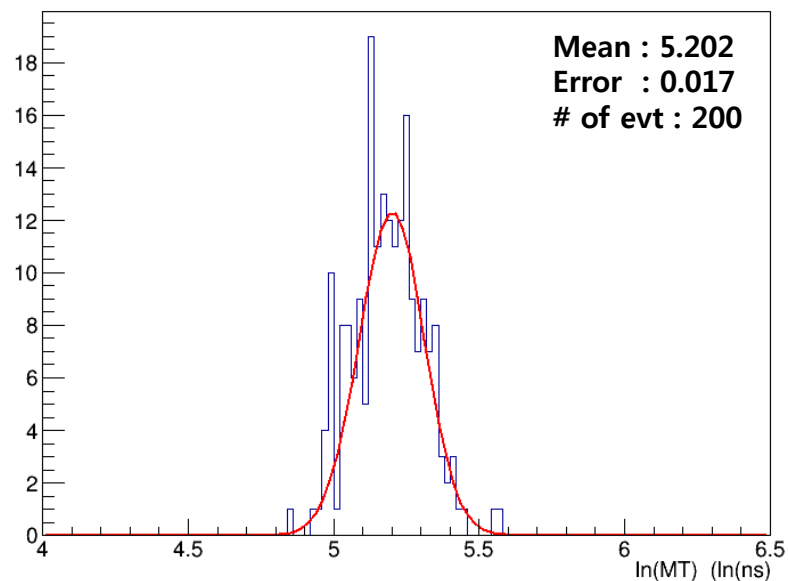
(7 keV to 8 keV)

38.2°



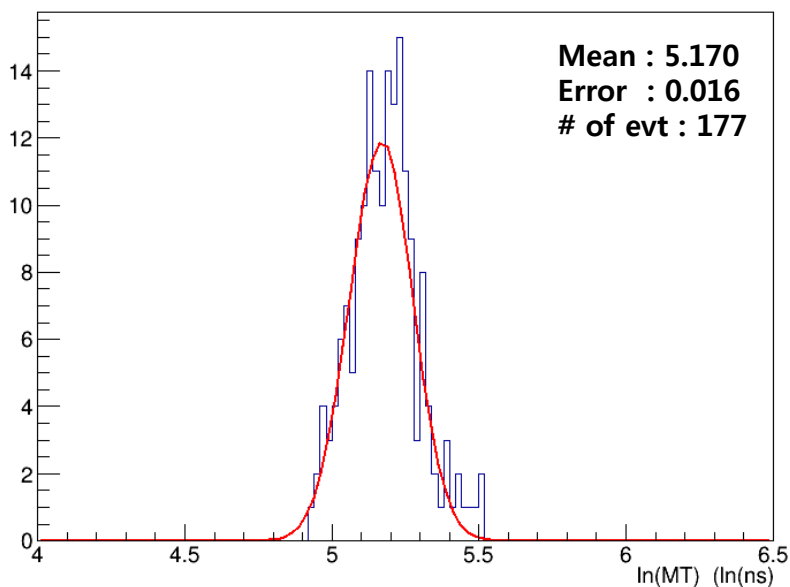
(8 keV to 9 keV)

38.2°



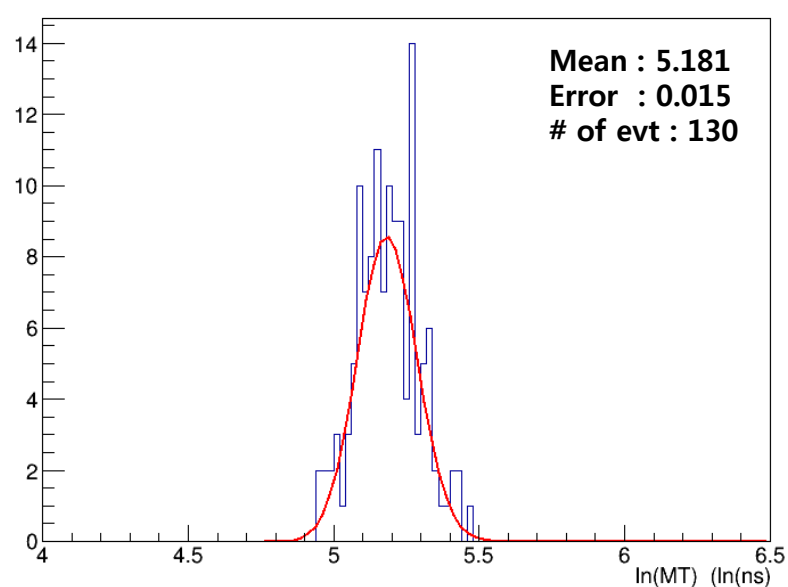
(9 keV to 10 keV)

38.2°



(10 keV to 11 keV)

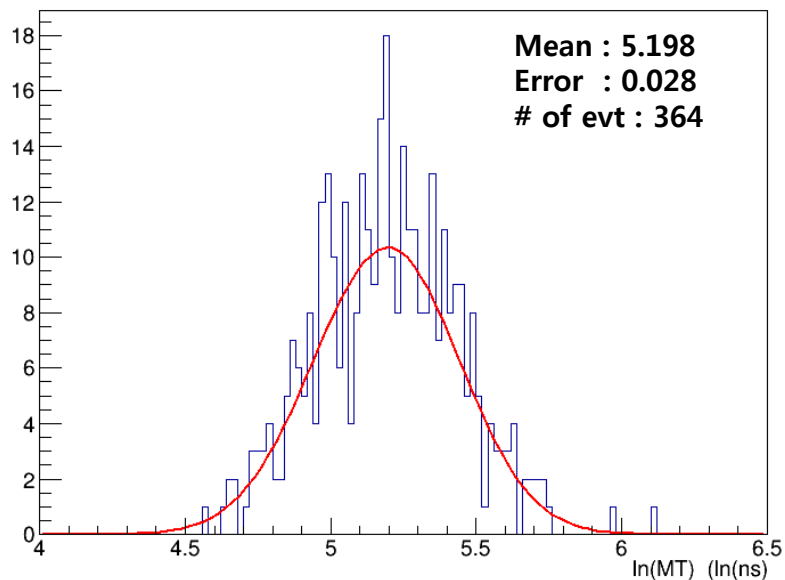
38.2°



In(MT) – Na recoil (setup2,3)

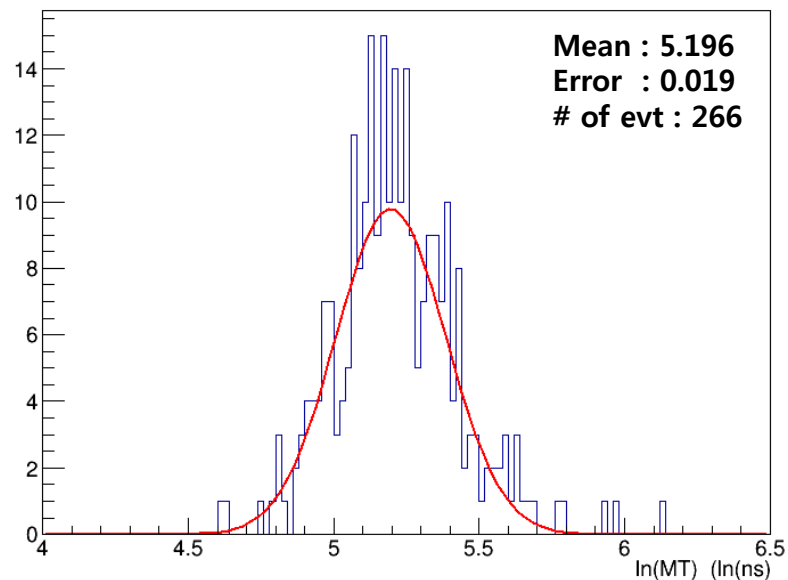
(1 keV to 2 keV)

21.3°



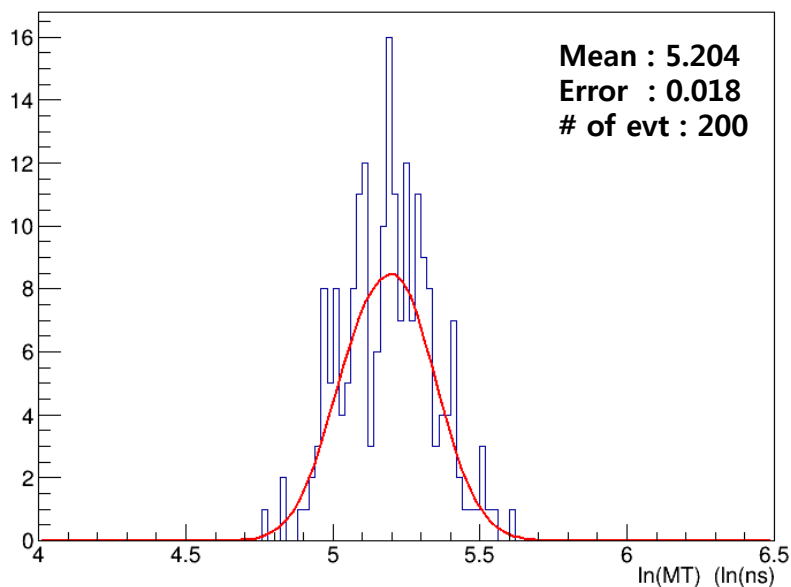
(2 keV to 3 keV)

21.3°



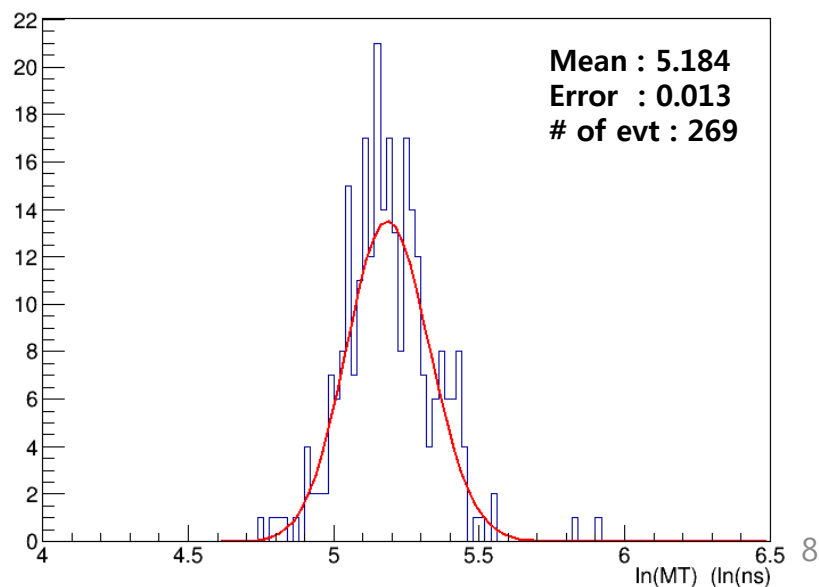
(3 keV to 4 keV)

31.0°



(4 keV to 5 keV)

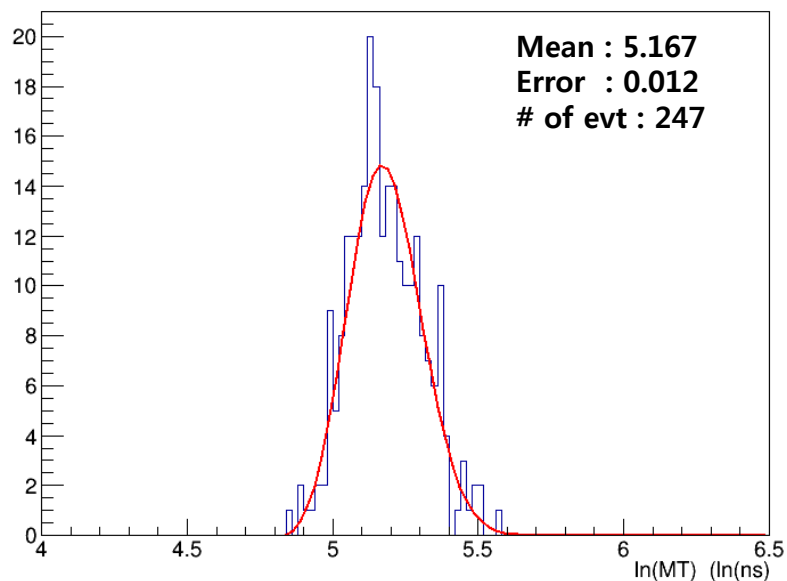
31.0°



In(MT) – Na recoil (setup2,3)

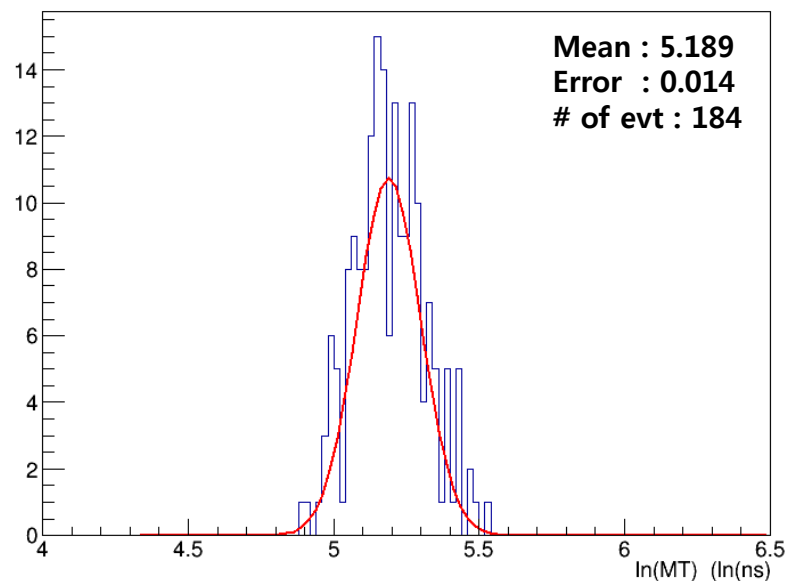
(5 keV to 6 keV)

31.0°



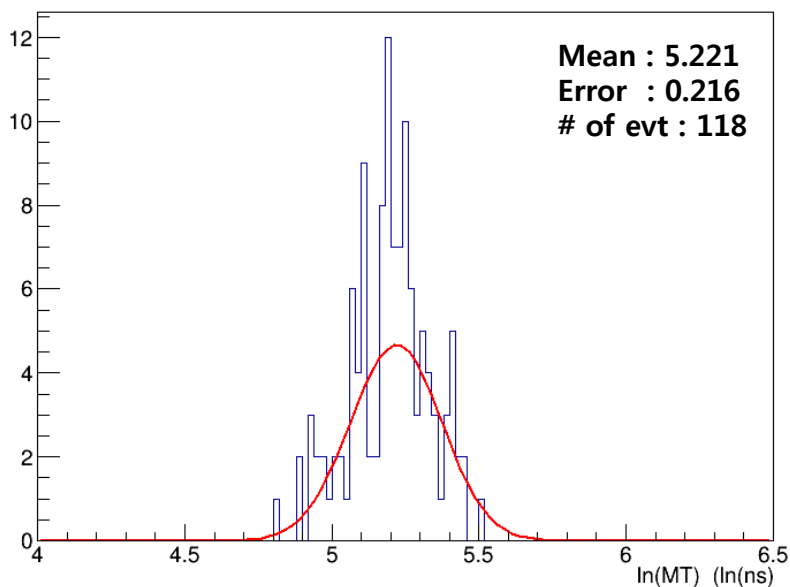
(6 keV to 7 keV)

31.0°



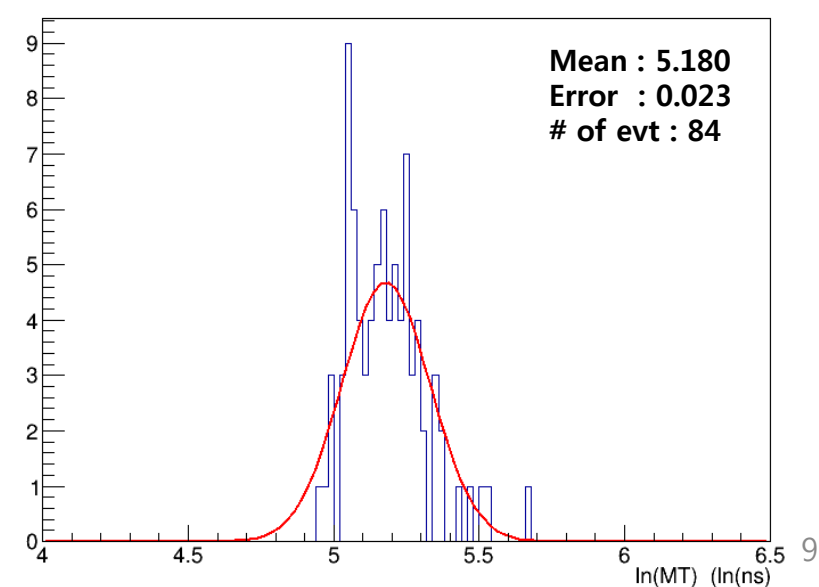
(7 keV to 8 keV)

31.0°



(8 keV to 9 keV)

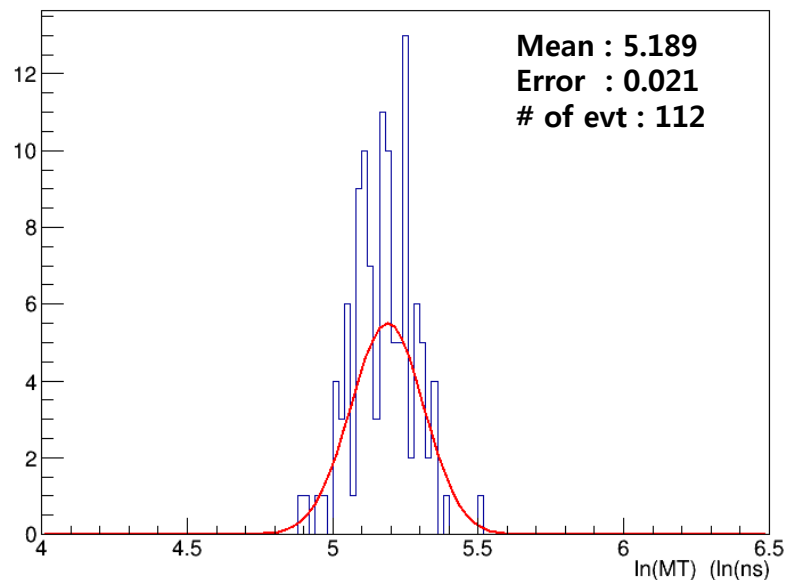
51.3°



In(MT) – Na recoil (setup2,3)

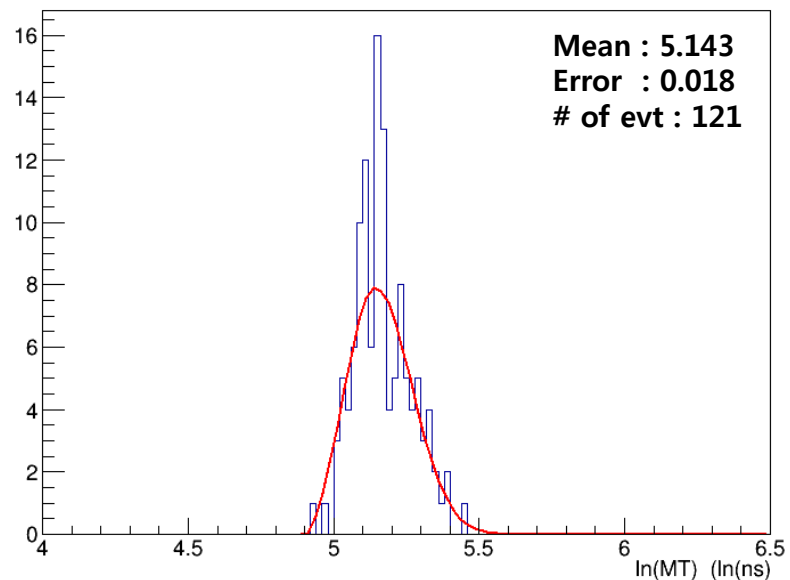
(9 keV to 10 keV)

51.3°



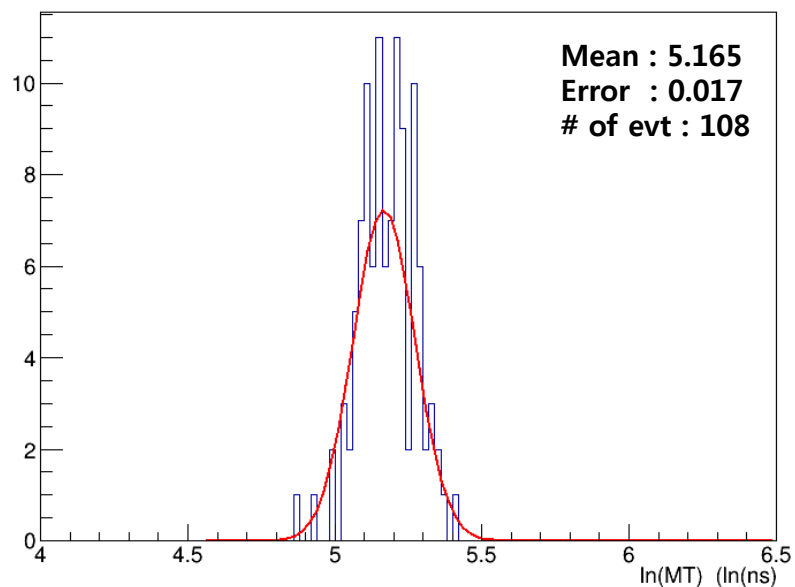
(10 keV to 11 keV)

51.3°



(11 keV to 12 keV)

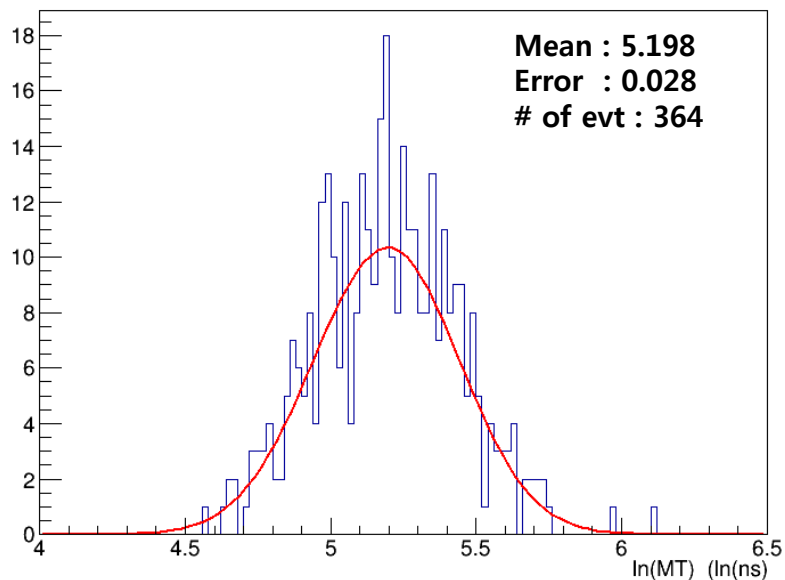
51.3°



ln(MT) – I recoil (setup2)

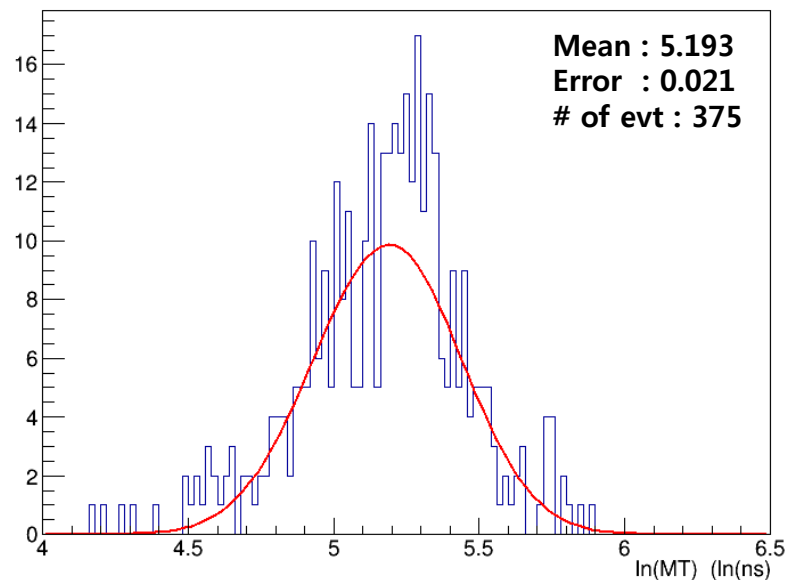
(1 keV to 2 keV)

59.0°



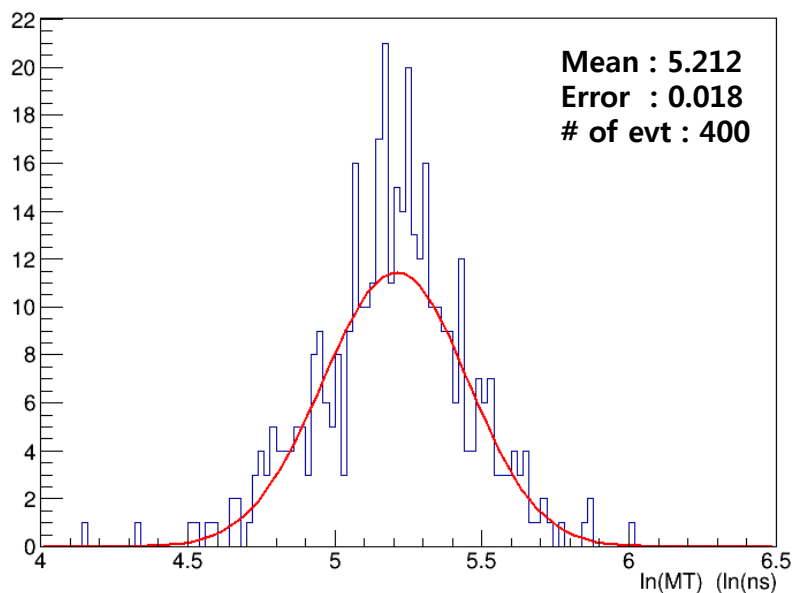
(1 keV to 2 keV)

74.7°



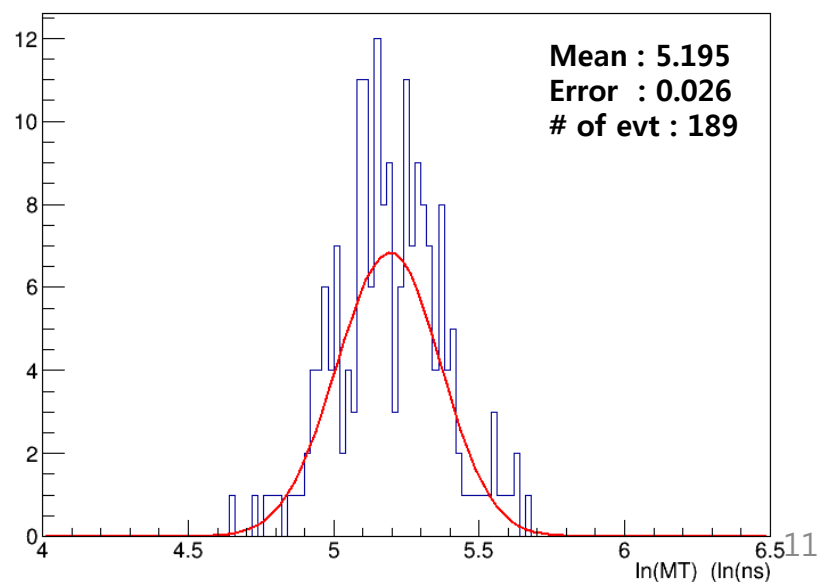
(1 keV to 2 keV)

126.9°



(2 keV to 3 keV)

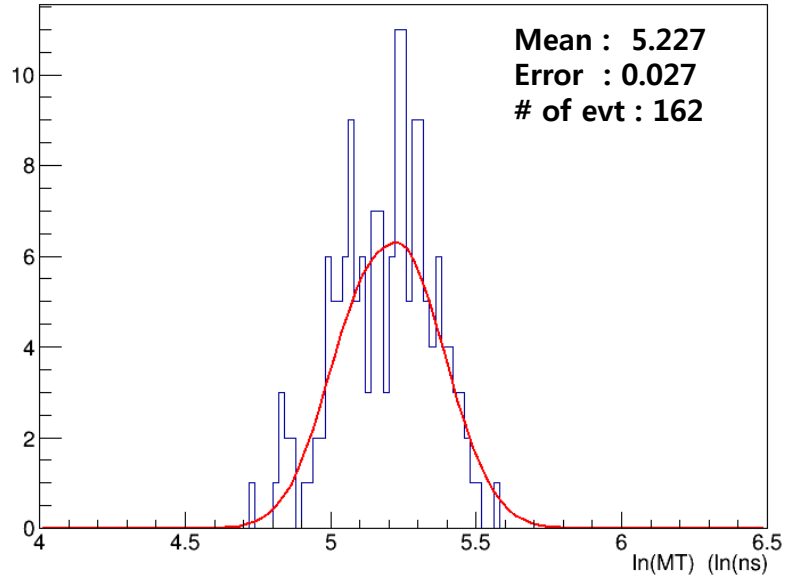
126.9°



ln(MT) – I recoil (setup3)

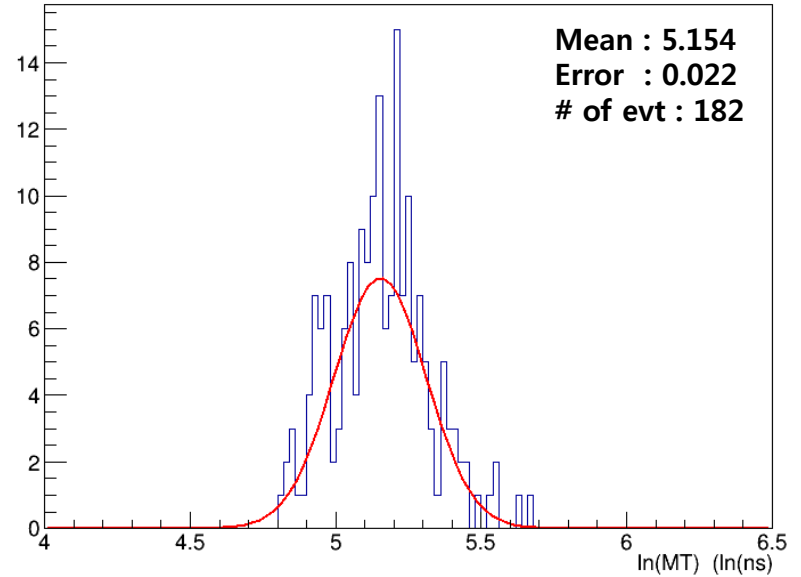
(3 keV to 4 keV)

159.6°



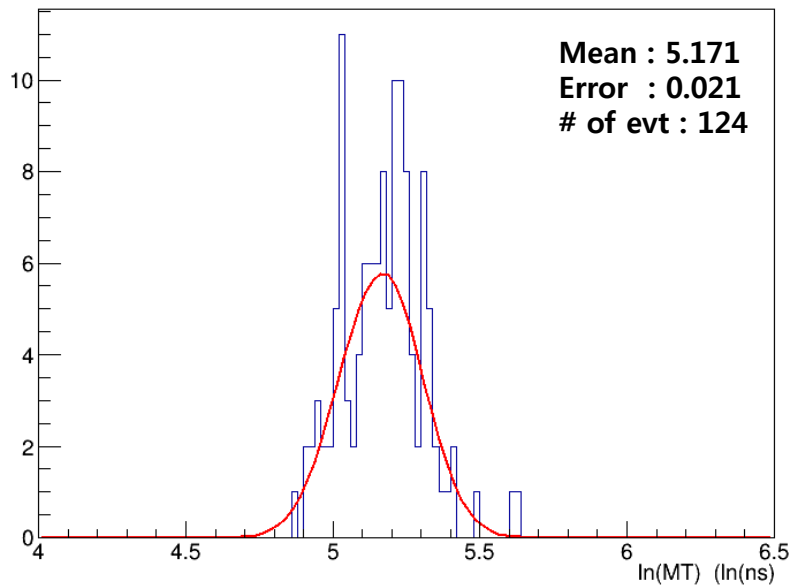
(4 keV to 5 keV)

159.6°

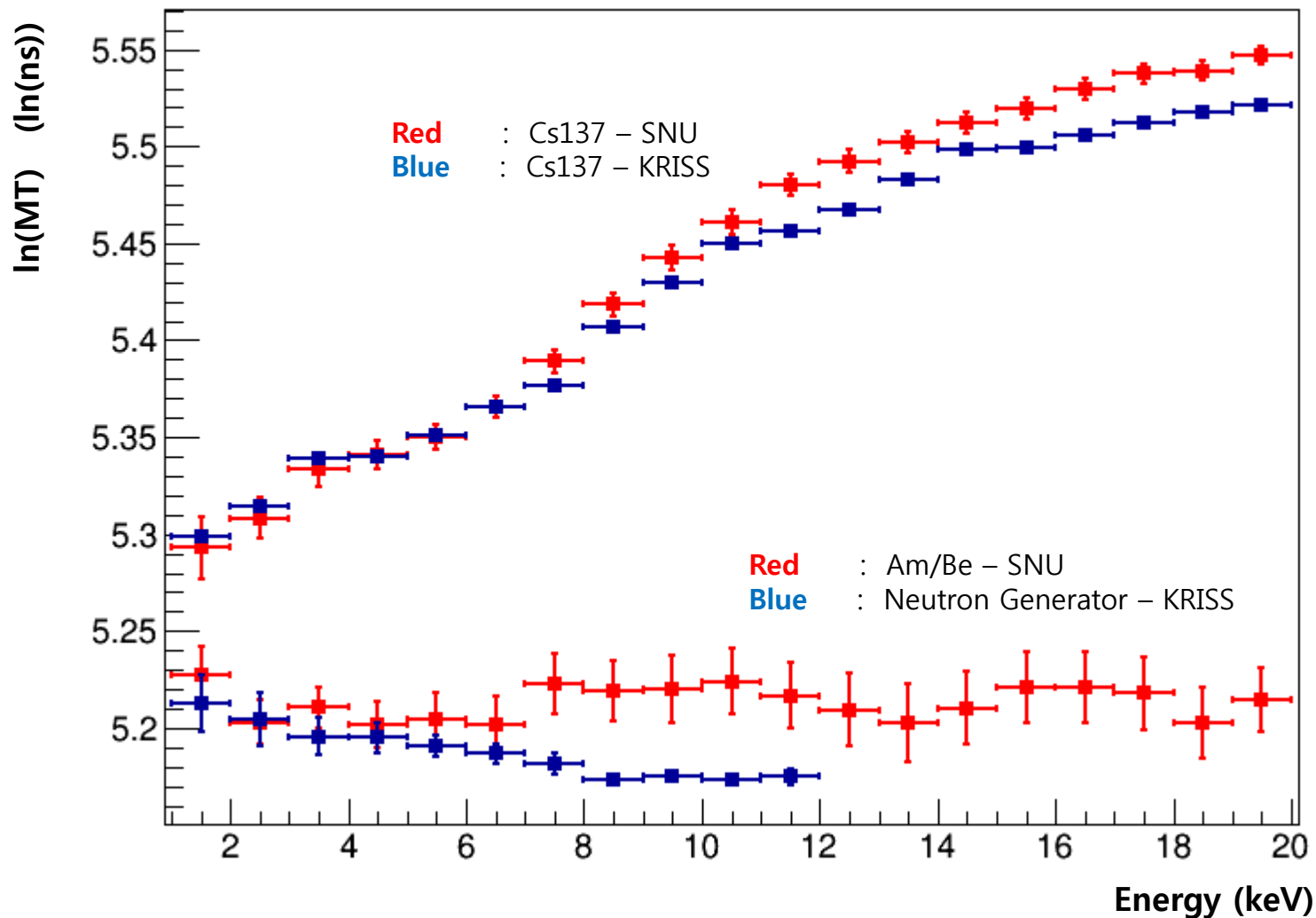


(5 keV to 6 keV)

159.6°



In(MT) summary

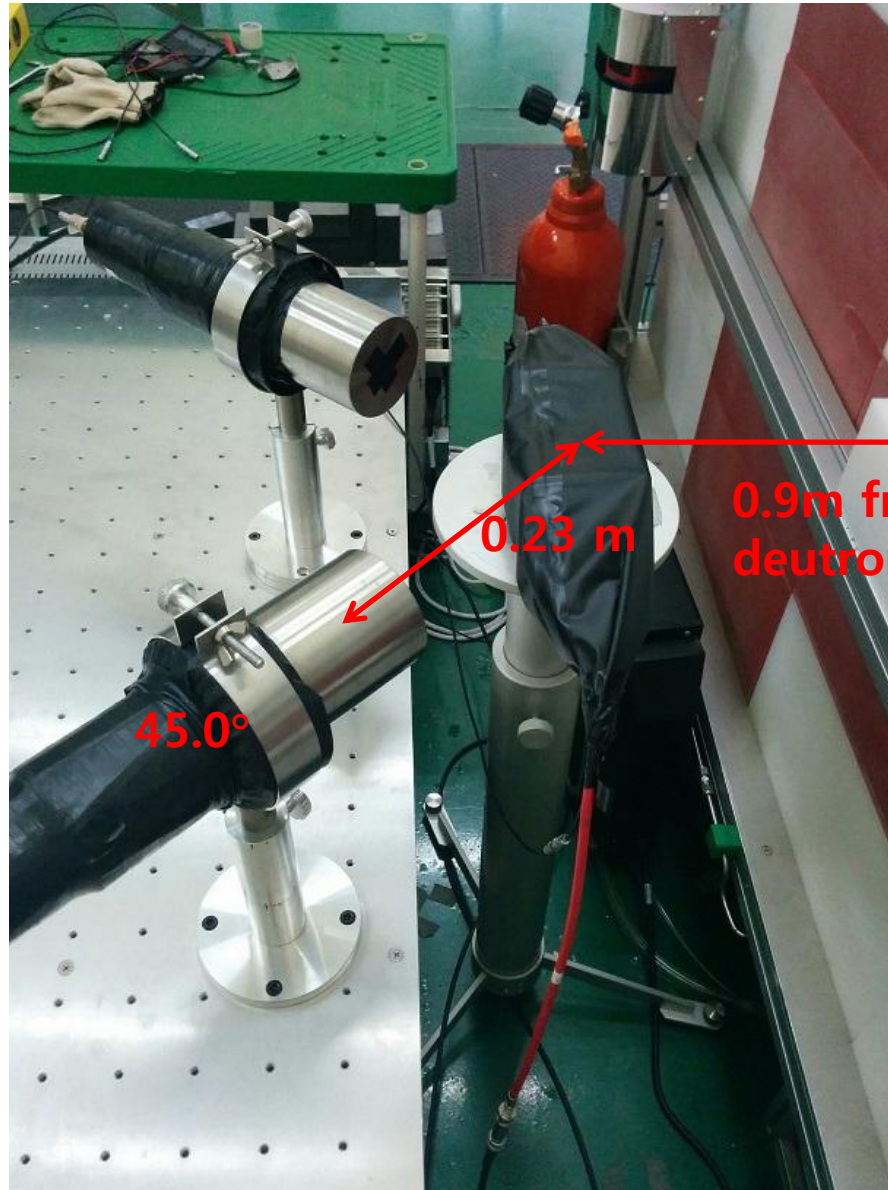


X axis : deposit energy on NaI crystal

Y axis : mean decay time of NaI signal

Backup Slides

Setup for quality factor measurement



2.43 MeV neutron beam
from d-d fusion

0.9m from
neutron target

0.23 m

45.0°

Setup for quenching factor measurement

