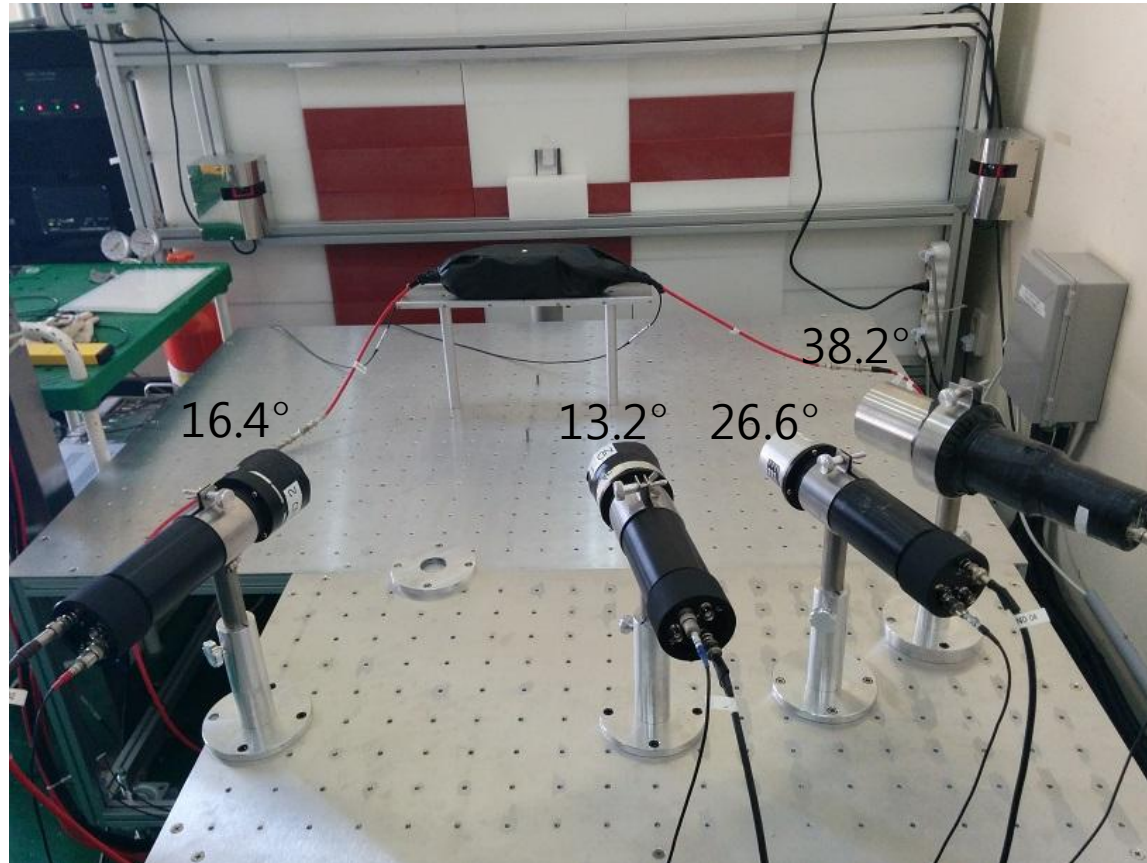
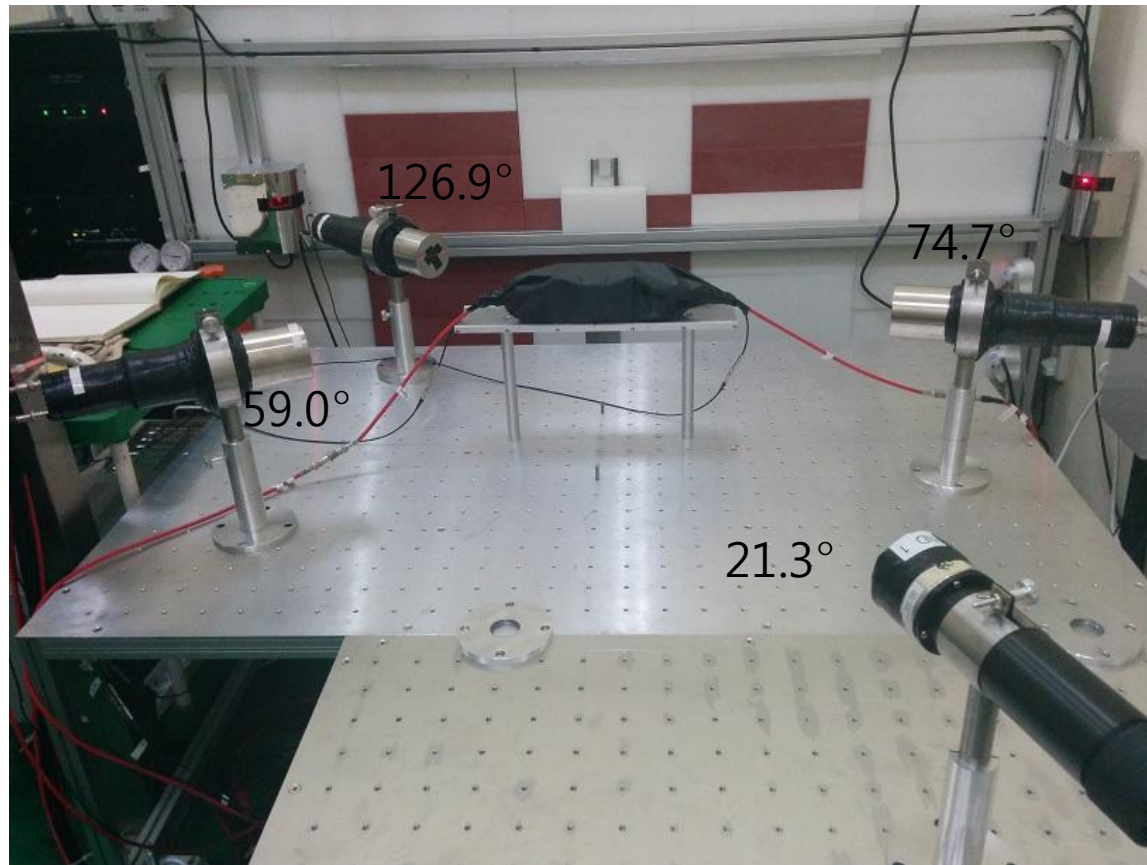


Forward setup (1) for quenching factor measurement



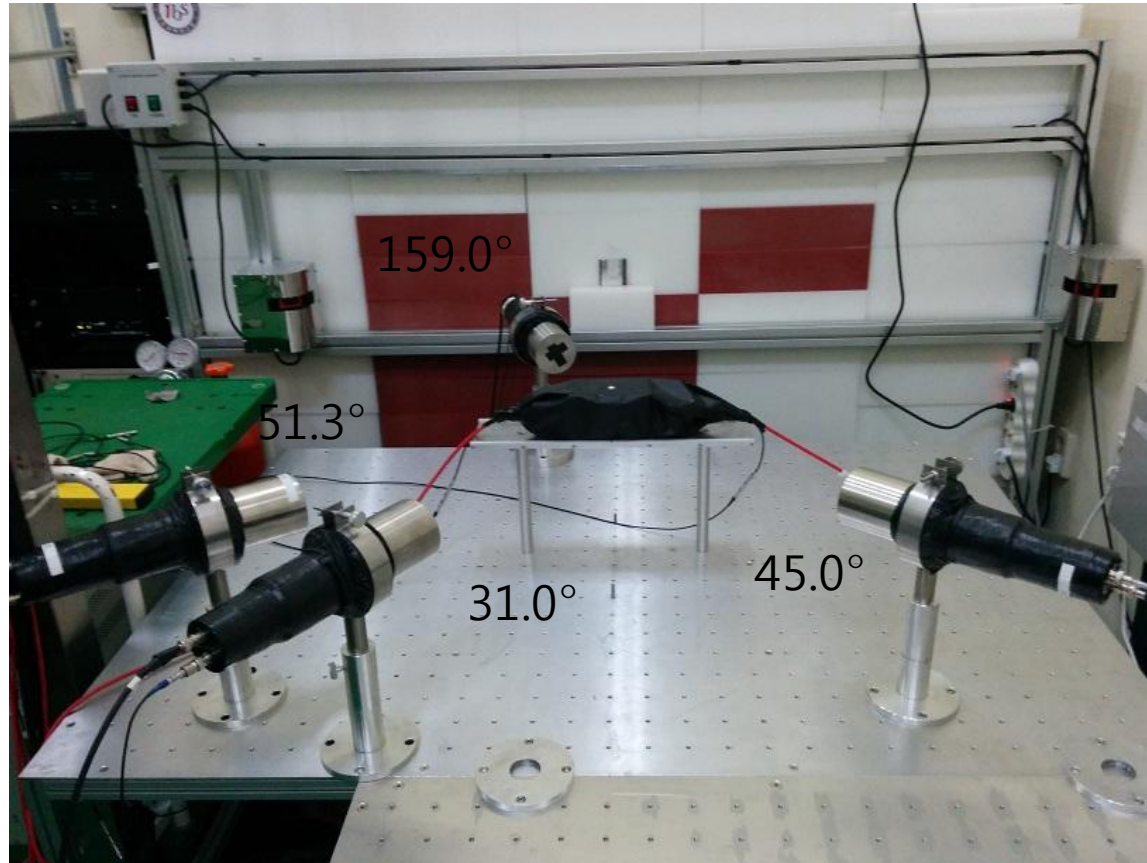
Angle (degree)	Expected event rate (Hz)	Obtained event rate (Hz)
13.2	0.004	0.004
16.4	0.007	0.008
26.6	0.006	0.006
38.2	0.008	0.009

Forward setup (2) for quenching factor measurement



Angle (degree)	Expected event rate (Hz)	Obtained event rate (Hz)
21.3	0.006	0.006
59.0	0.024	0.023
74.7	0.009	0.013
126.9	0.007	0.008

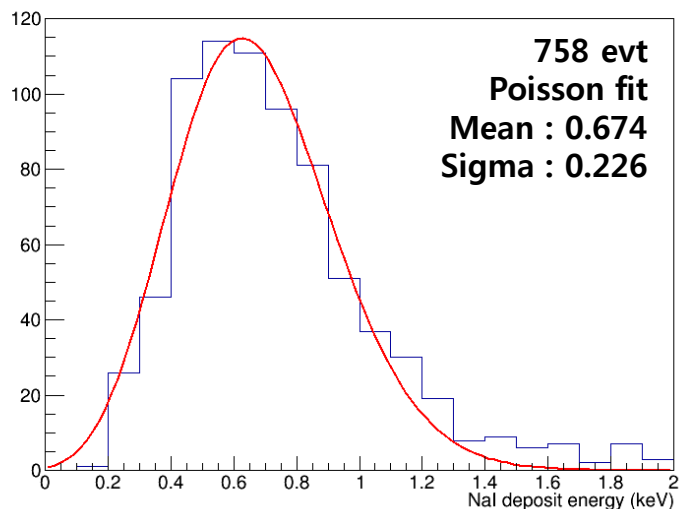
Forward setup (3) for quenching factor measurement



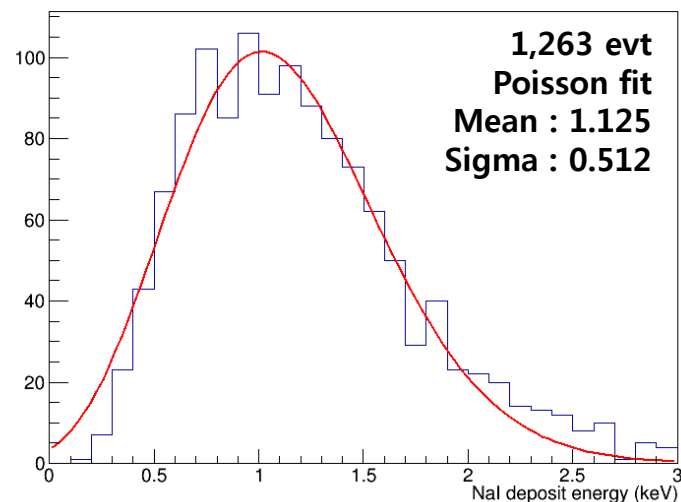
Angle (degree)	Expected event rate (Hz)	Obtained event rate (Hz)
31.0	0.034	0.021
45.0	0.036	0.018
51.3	0.028	0.022
159.0	0.022	0.011

NaI deposit energy (set1)

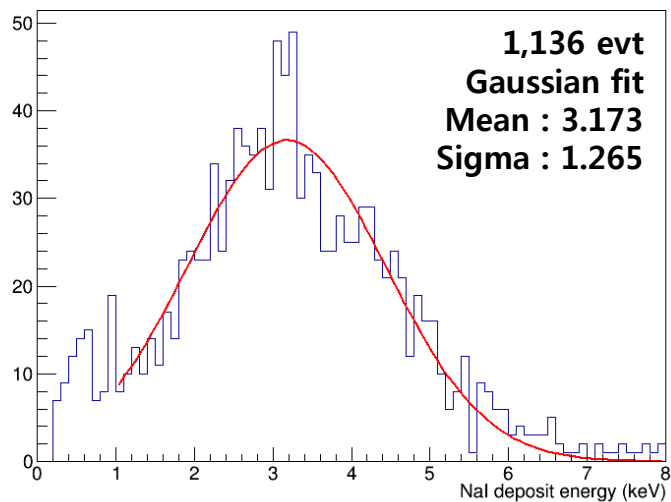
ND1 – Na (13.2 °)



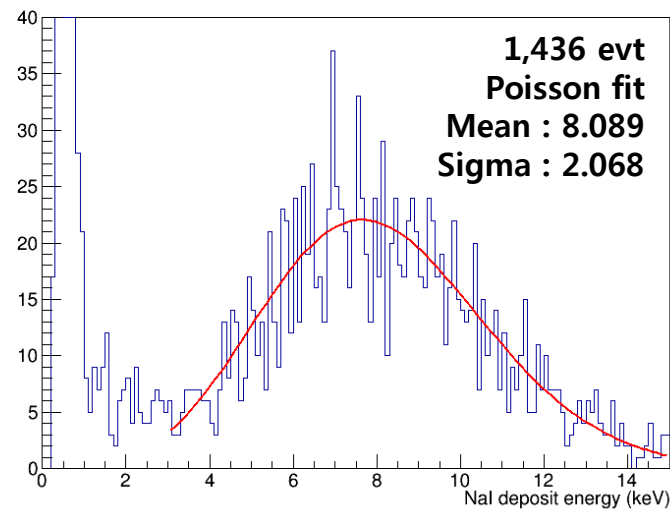
ND2 -Na (16.4 °)



ND3 - Na (26.6 °)

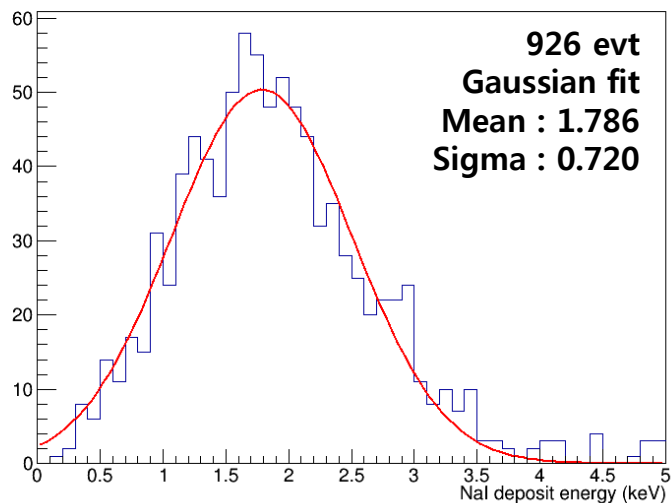


ND4 -Na (38.2 °)

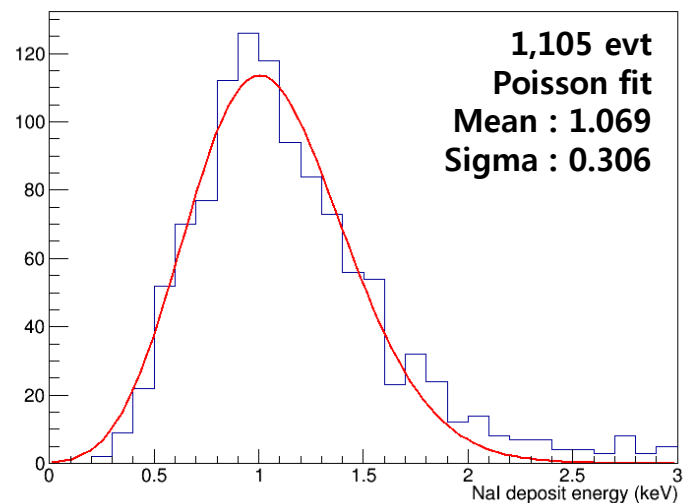


NaI deposit energy (set2)

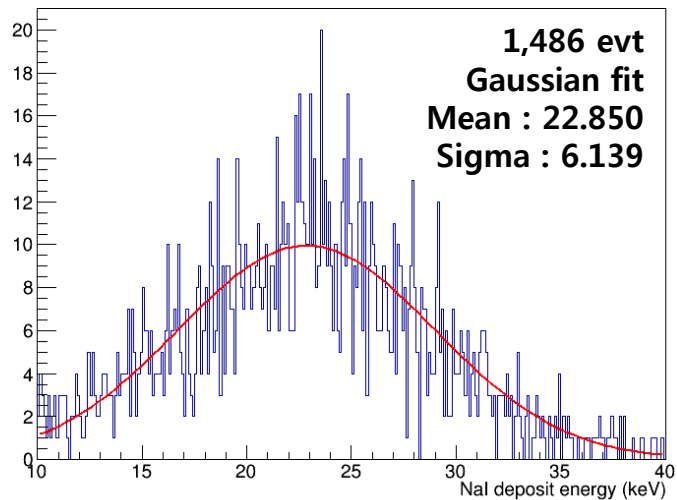
ND1 – Na (21.3 °)



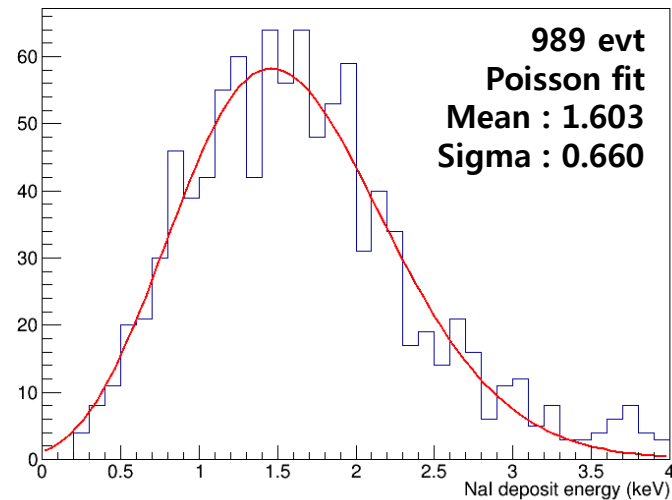
ND2 – I (59.0 °)



ND2 - Na (59.0 °)

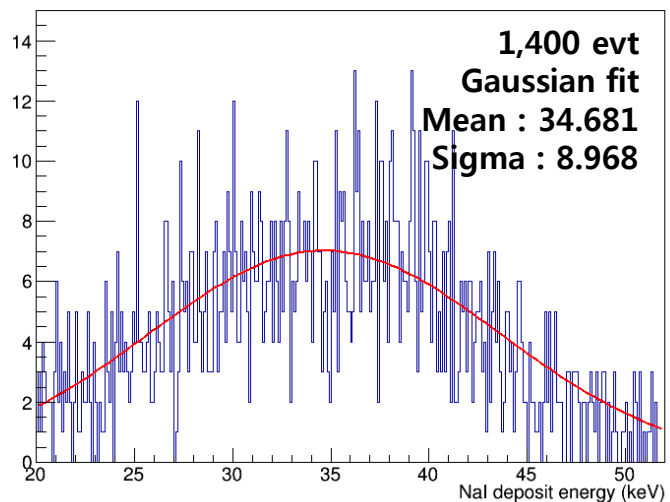


ND3 - I (74.7 °)

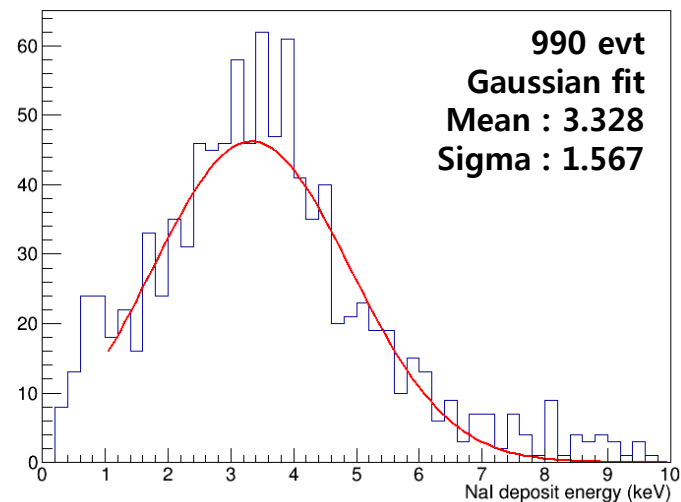


NaI deposit energy (set2)

ND3 - Na (74.7 °)

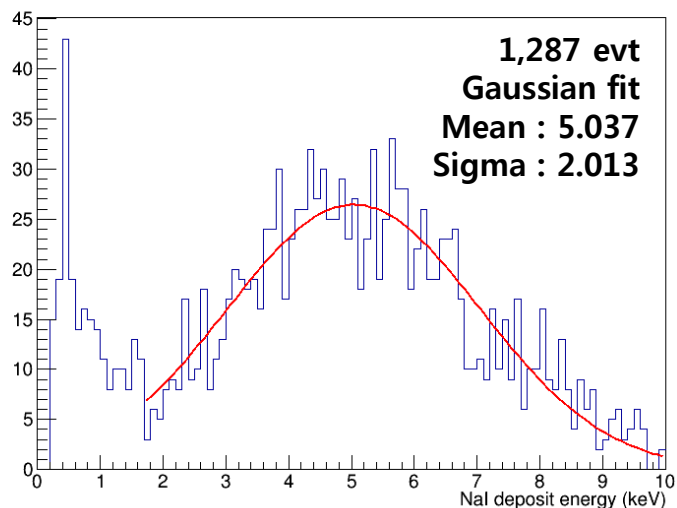


ND4 - I (126.9 °)

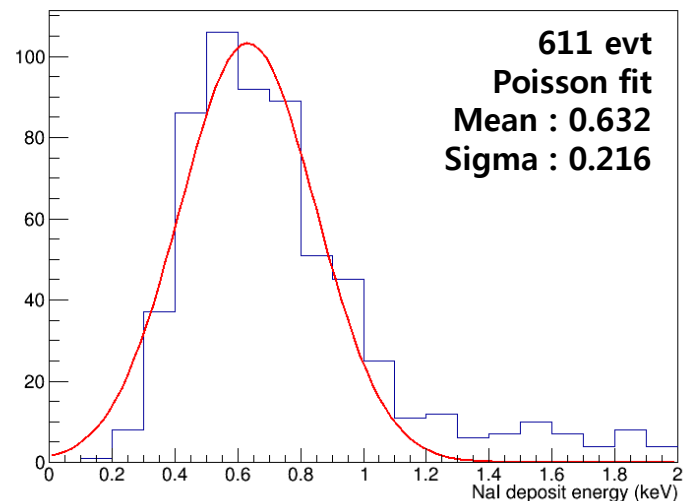


NaI deposit energy (set3)

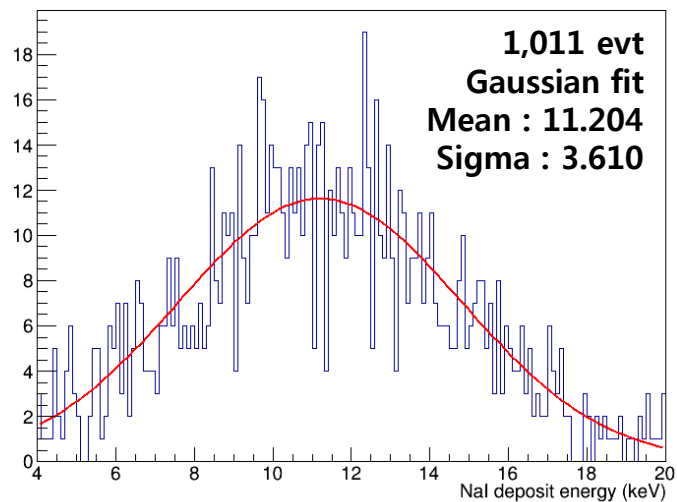
ND1 – Na (31.0 °)



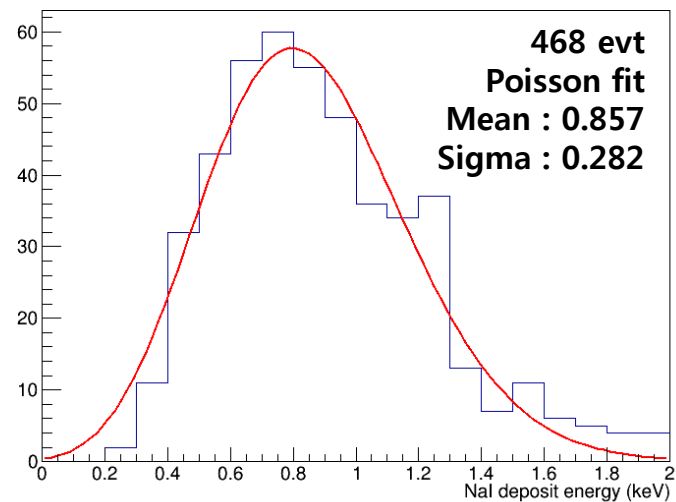
ND2 – I (45.0 °)



ND2 - Na (45.0 °)

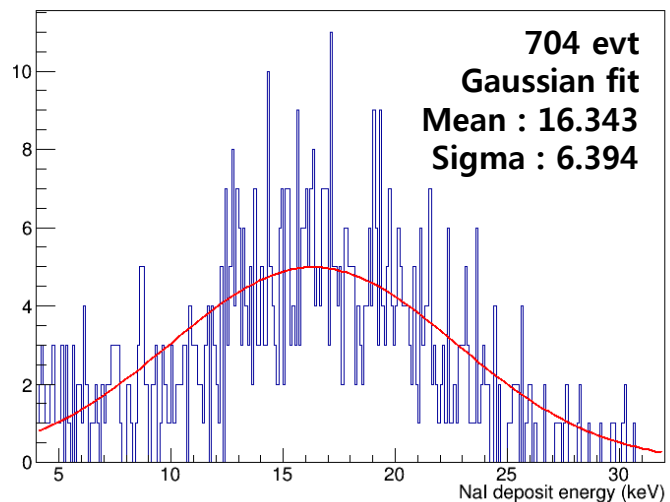


ND3 - I (51.3 °)

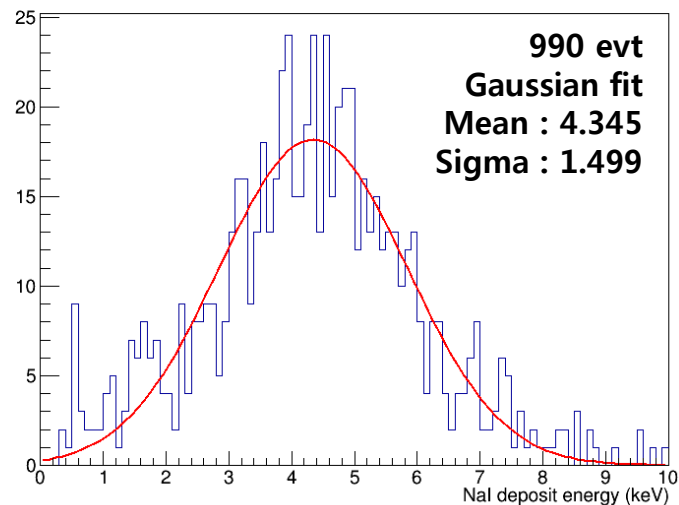


NaI deposit energy (set3)

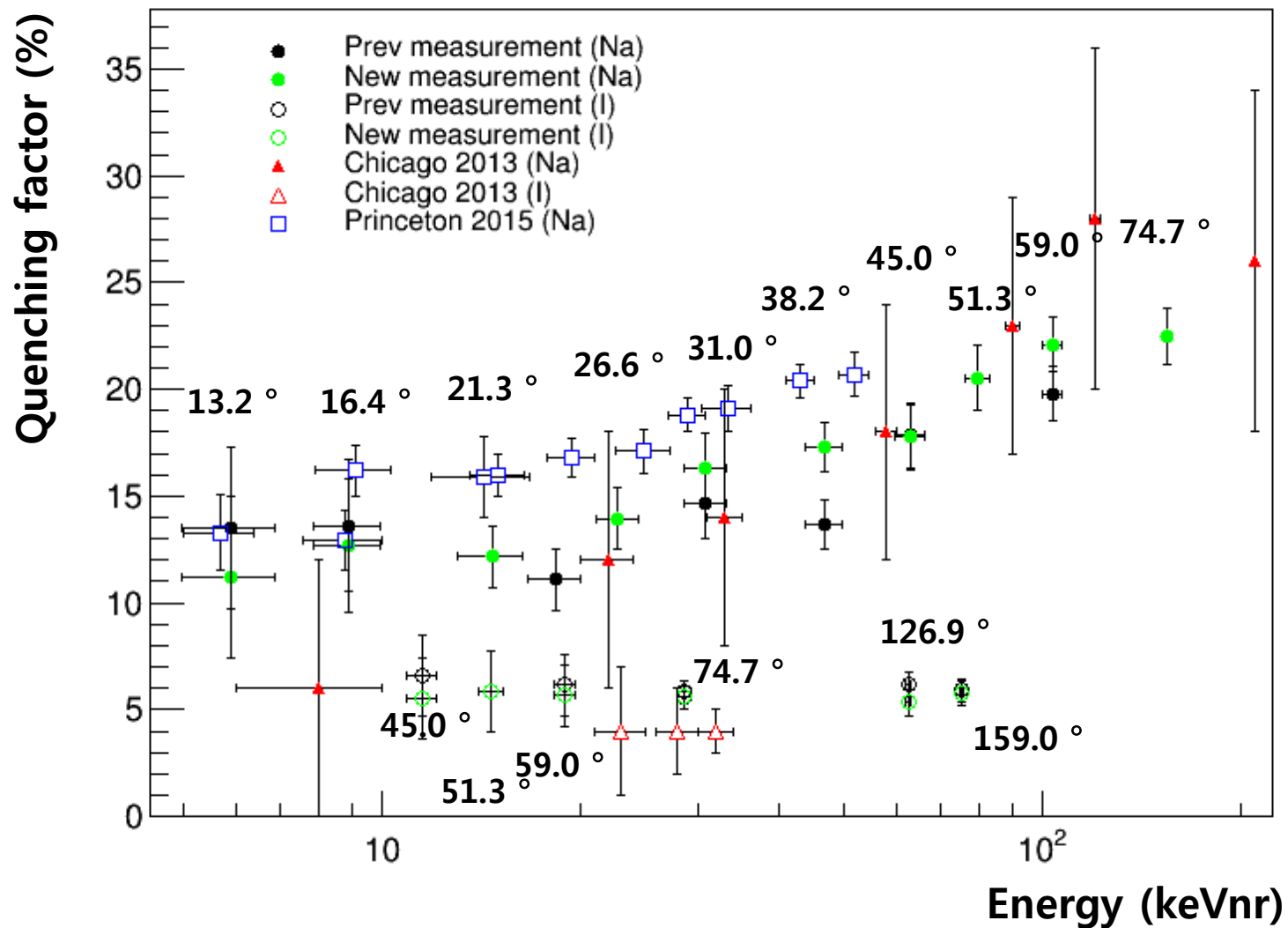
ND3 - Na (51.3 °)



ND4 - I (159.0 °)



Preliminary result



To do list

- **Solve problem in neutron generator power**
- **Simulate effect of DAQ trigger efficiency with Geant4**
- **PSD analysis of NaI crystal with quenching factor measurement data**
- **Quenching factor measurement with another NaI crystal**
(3 points at low energy, 1 point at high energy, it will be started from 10 / 10)

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