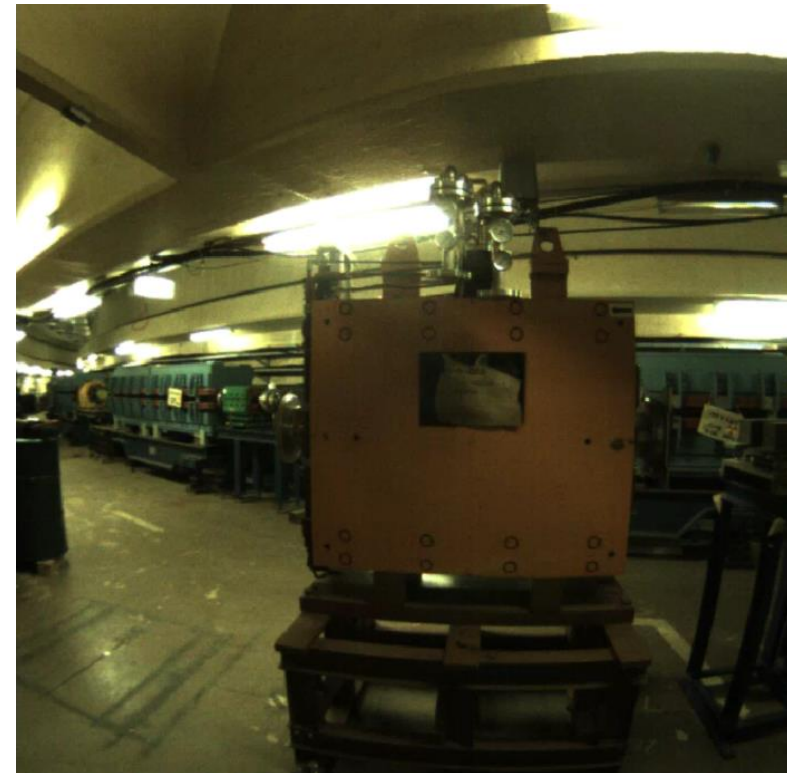
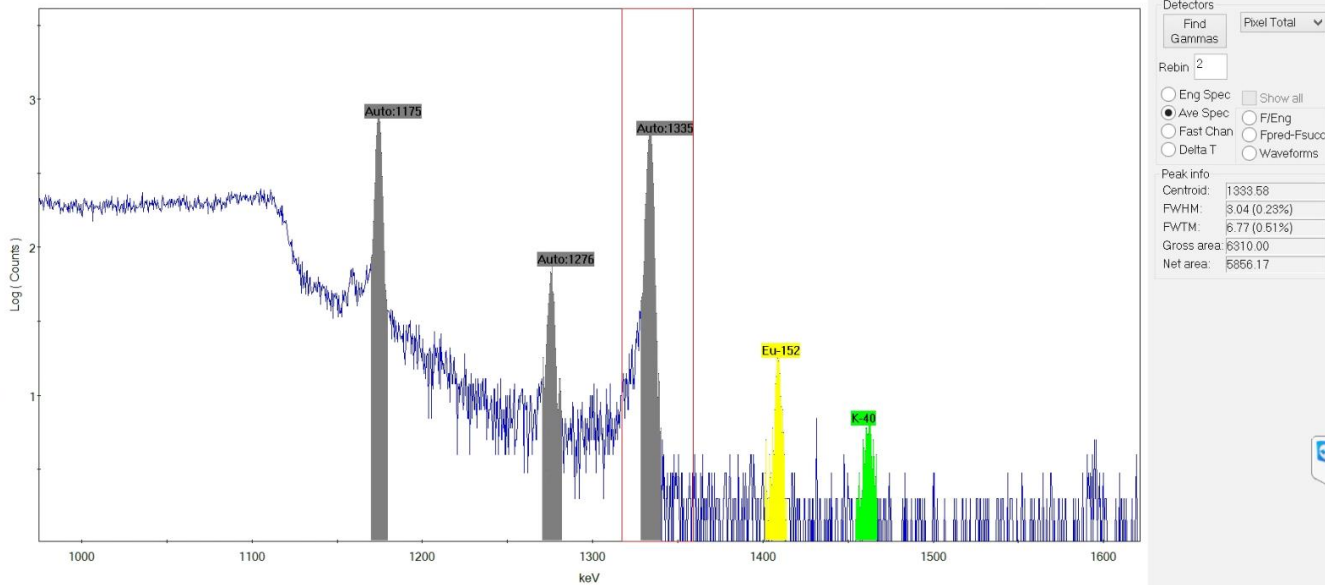


# 測定 1

測定距離 1.5m

測定時間 983秒



Imager - [kek01.img]

File Acquire View Tools Options Show Window Help

Time: 983  
CPS: 0 2.21 uSv/hr

Saved File  
Temp (K): 79.1

Log (Counts)

keV

Eu-152

Ann.

Auto:1175

Auto:1335

Auto:1276

Eu-152

K-40

Th-232

Compton

Switch to Te

Auto:1175

Auto:1276

Auto:1335

NUM

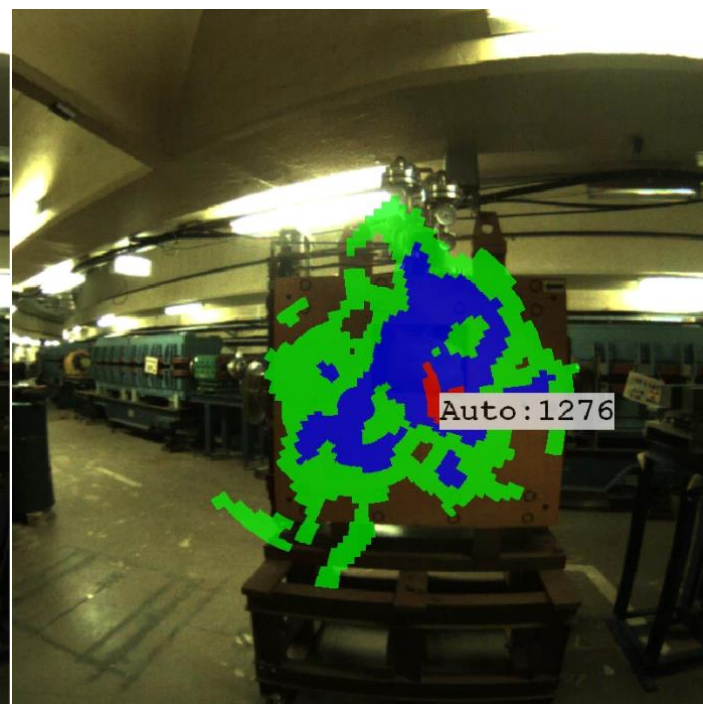
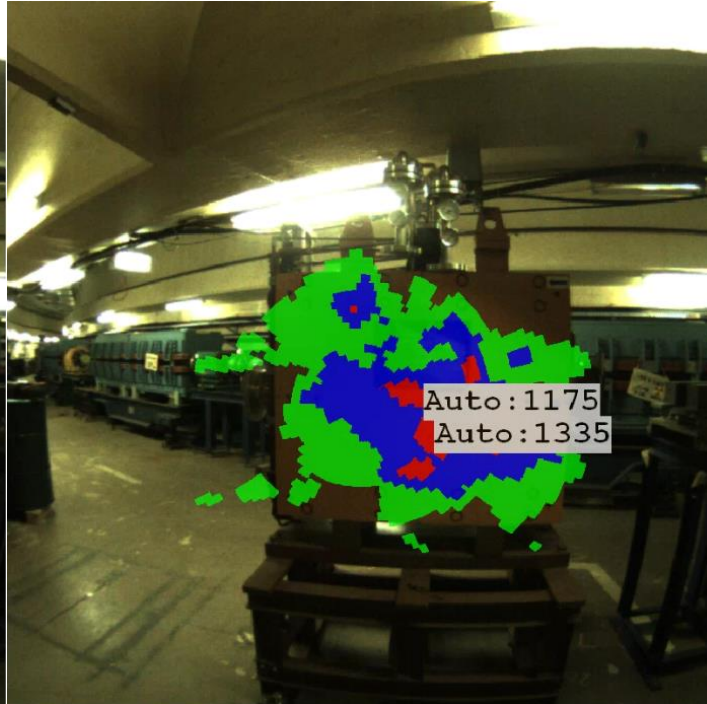
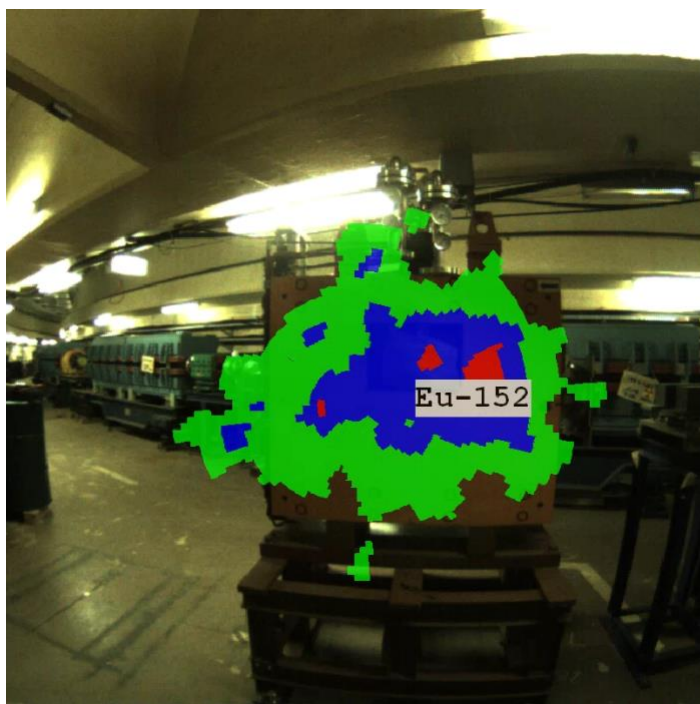
3:21 PM

6/24/2020

Ready

X = 2610.3, Y = 1

Desktop

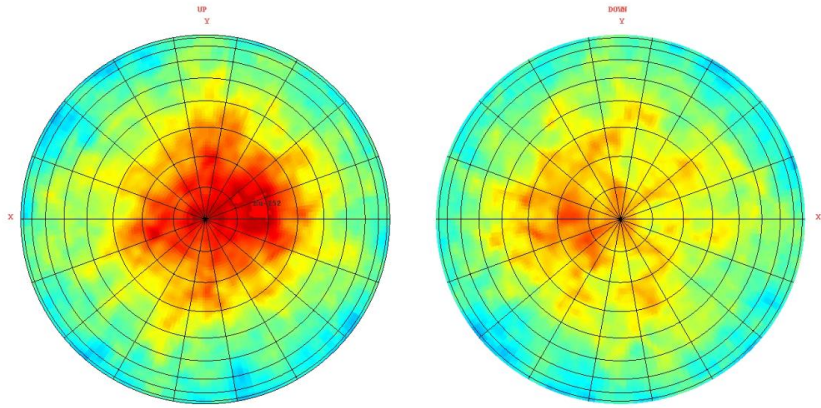


Isotope	Energy (keV)	Events
<input type="checkbox"/> Ann.	511.0	1427
<input checked="" type="checkbox"/> Eu-152	344.3	1856
<input checked="" type="checkbox"/> Auto:1175	1175.0	971
<input checked="" type="checkbox"/> Auto:1276	1276.5	1020
<input type="checkbox"/> K-40	1460.8	23
<input type="checkbox"/> Eu-152	1408.0	31
<input type="checkbox"/> Th-232	2614.5	0
<input checked="" type="checkbox"/> Auto:1335	1334.5	605

上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
 (Power Width 40%にて)

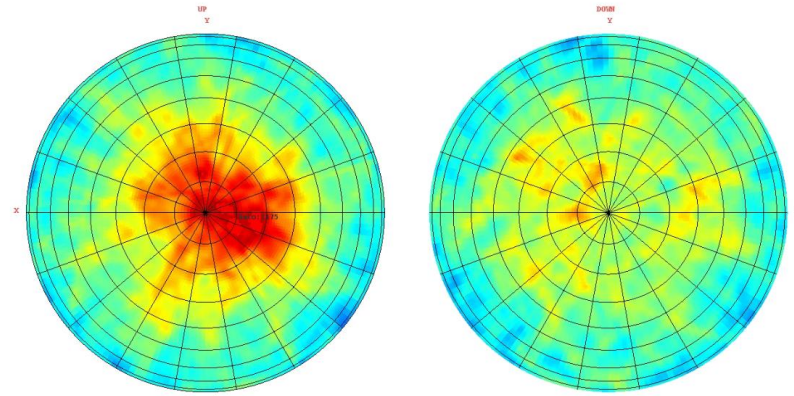


Eu-152 - 344.3 Event:1056



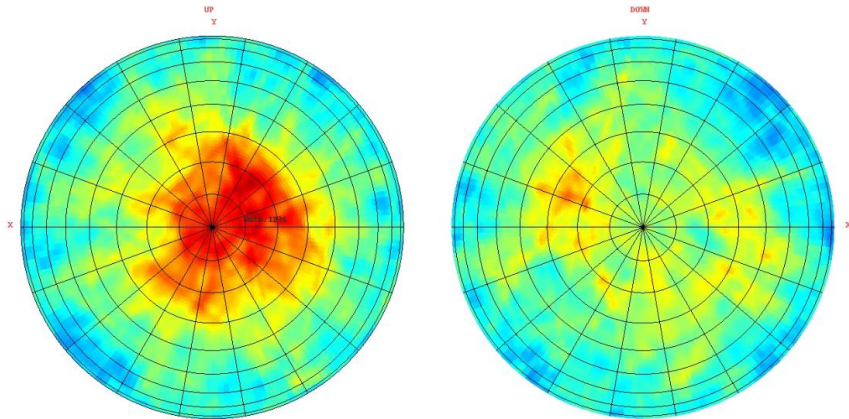
Eu152 344.3kev

Auto:1175 - 1 Event:971



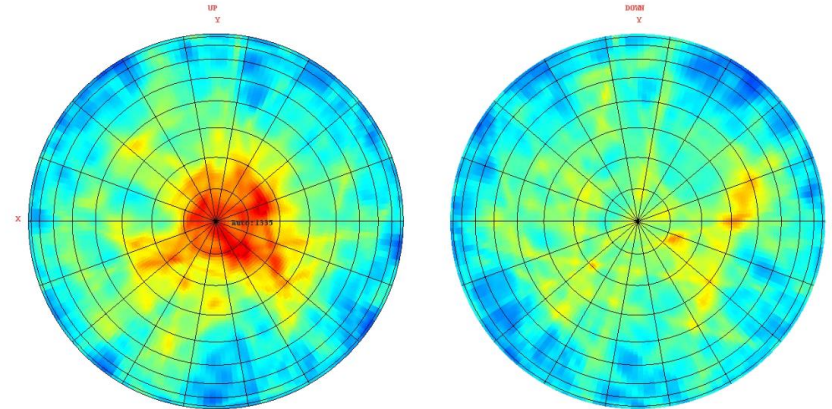
Co60 1173kev

Auto:1276 - 1 Event:1020



Na22 1276kev

Auto:1335 - 1 Event:605



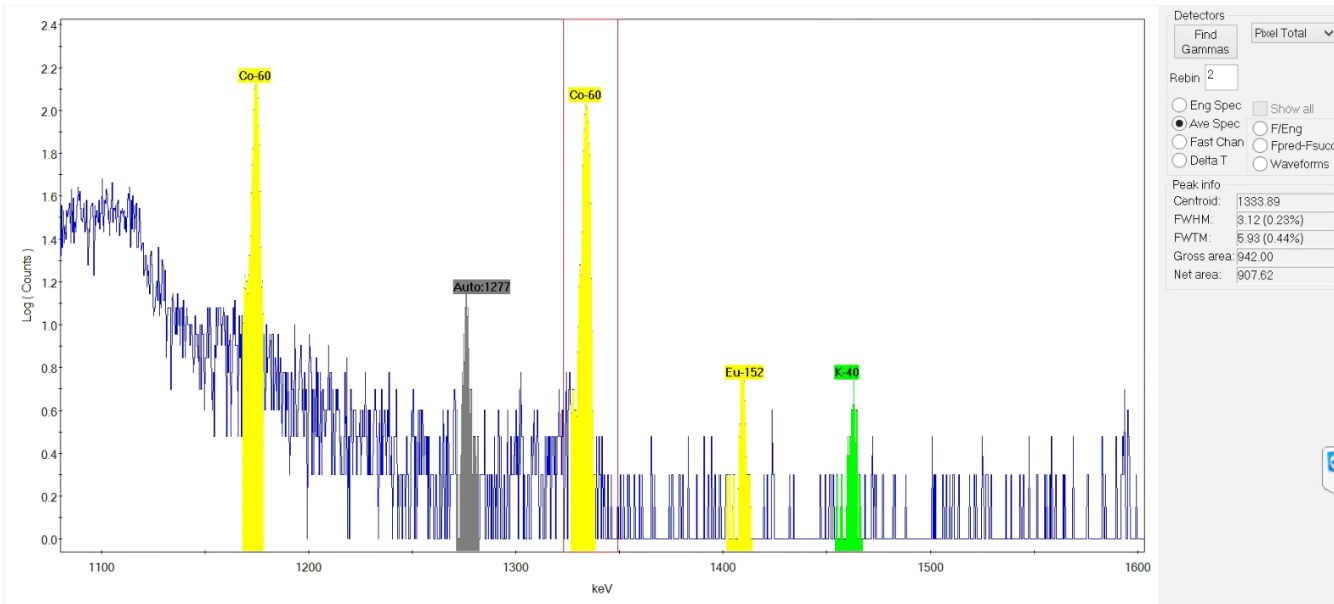
Co60 1332kev

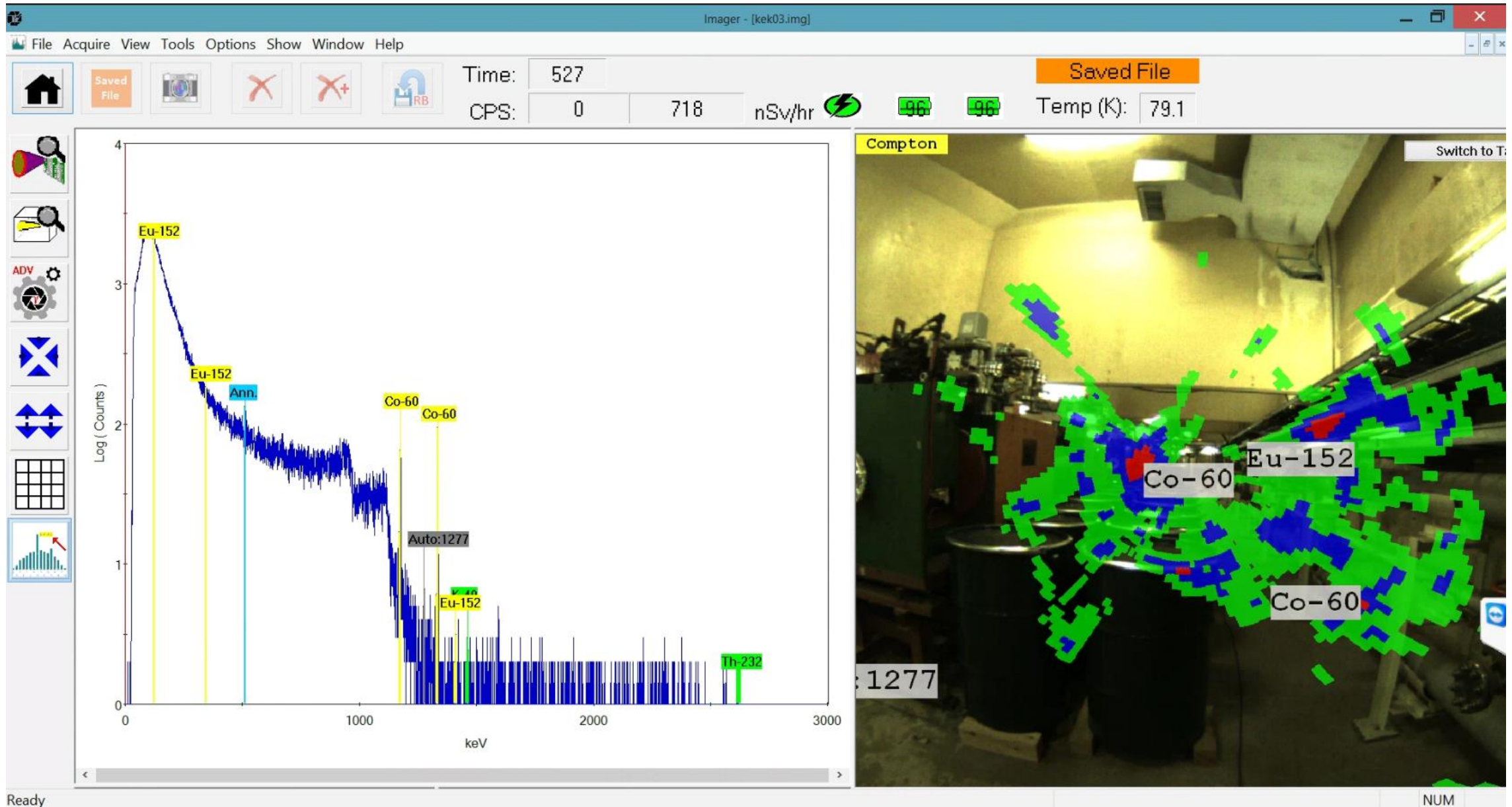


# 測定 3

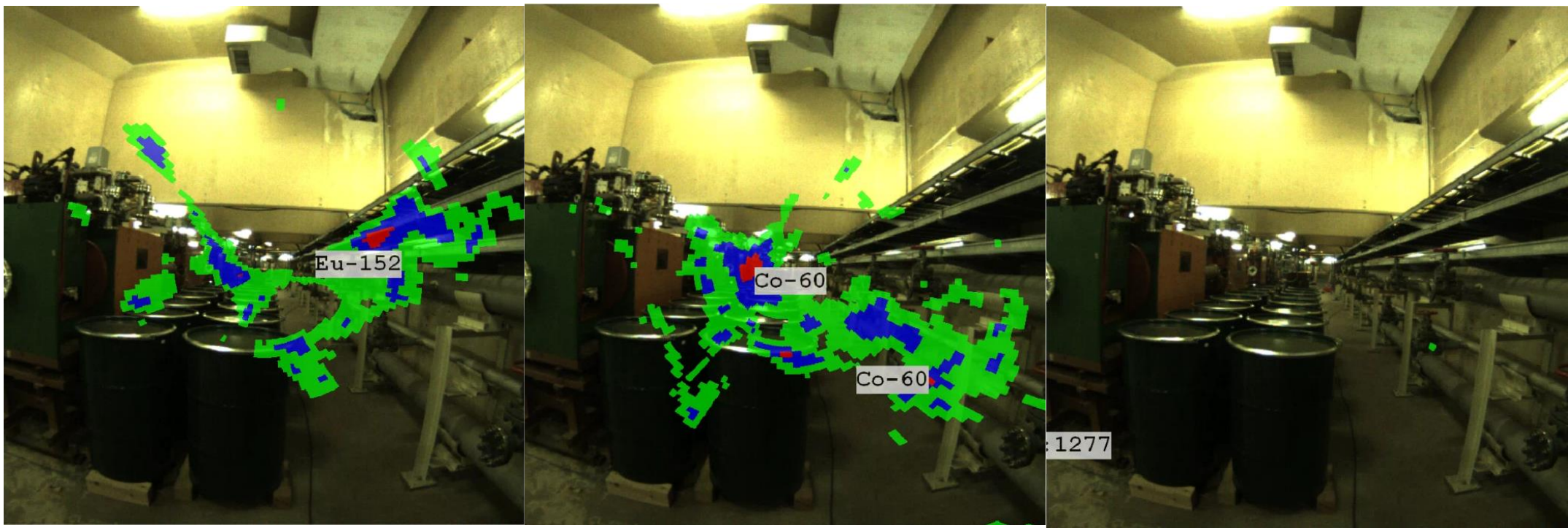
測定距離 30m

測定時間 527秒





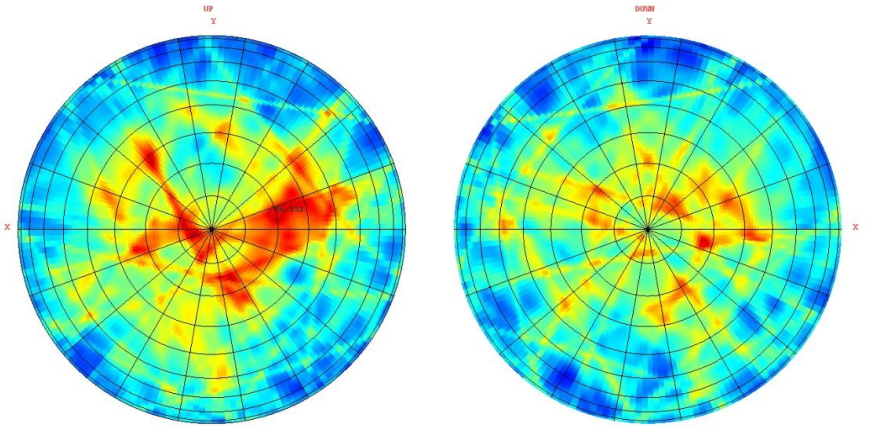




Isotope	Energy (keV)	Events
<input type="checkbox"/> Ann.	511.0	186
<input checked="" type="checkbox"/> Eu-152	344.3	247
<input checked="" type="checkbox"/> Co-60	1173.2	503
<input checked="" type="checkbox"/> Co-60	1332.5	430
<input type="checkbox"/> K-40	1460.8	14
<input type="checkbox"/> Eu-152	1408.0	15
<input type="checkbox"/> Th-232	2614.5	0
<input checked="" type="checkbox"/> Auto:1277	1277.1	34

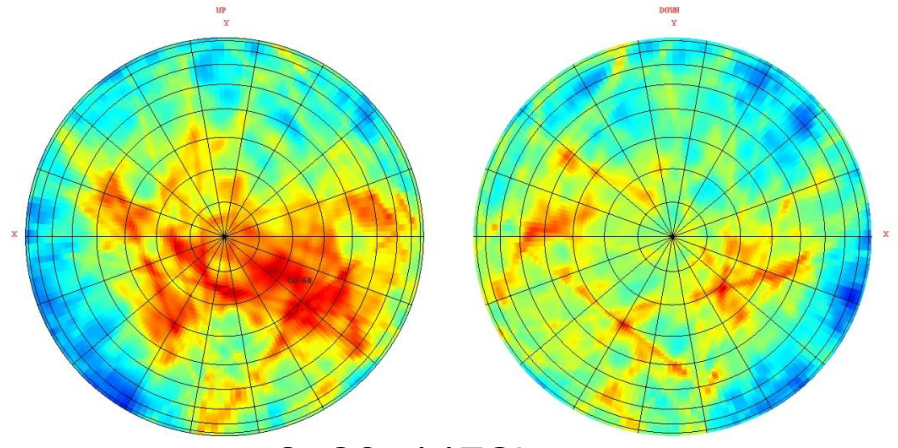
上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
 (Power Width 40%にて)

Eu-152 - 344.3 Event:247



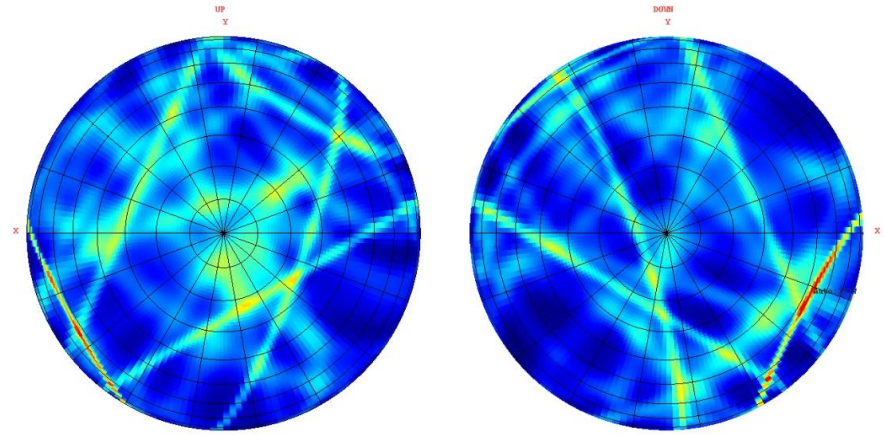
Eu152 344.3kev

Co-60 - 1173.2 Event:503



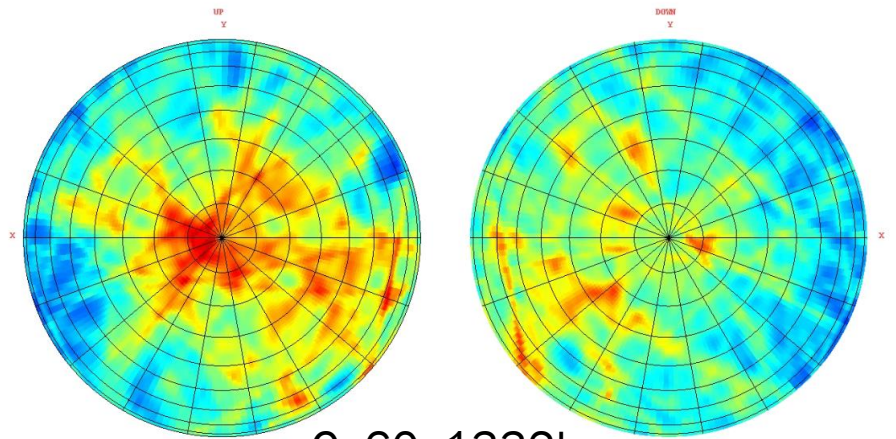
Co60 1173kev

Auto:1277 - 1 Event:34



Na22 1276kev

Co-60 - 1332.4 Event:430



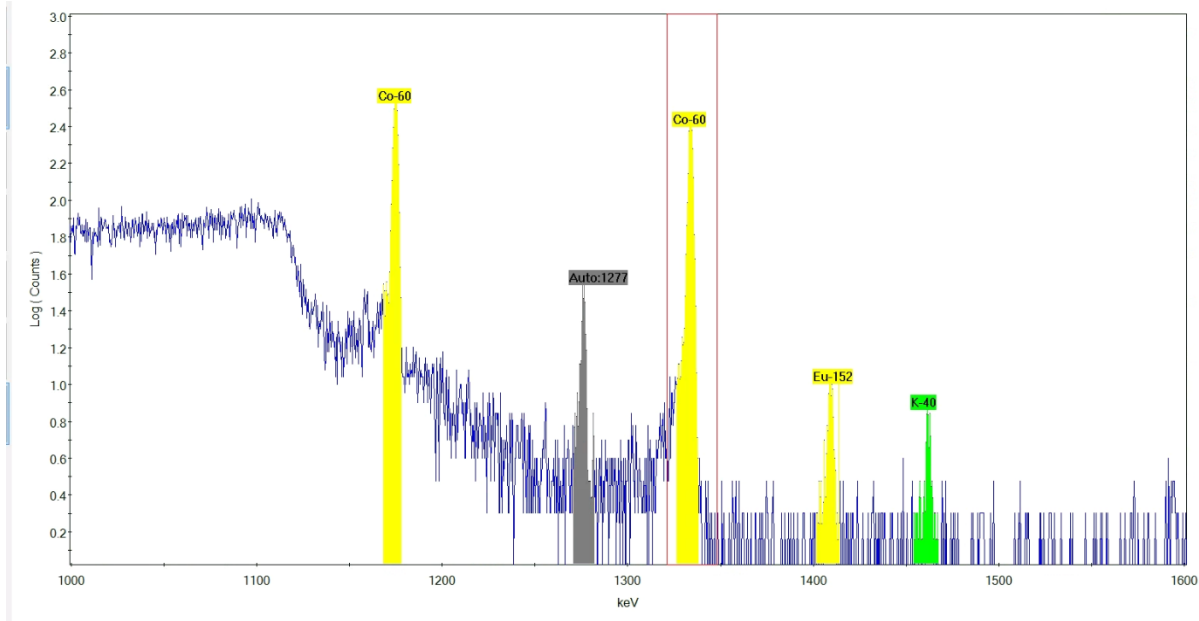
Co60 1332kev



# 測定4

測定距離 30m

測定時間 662秒



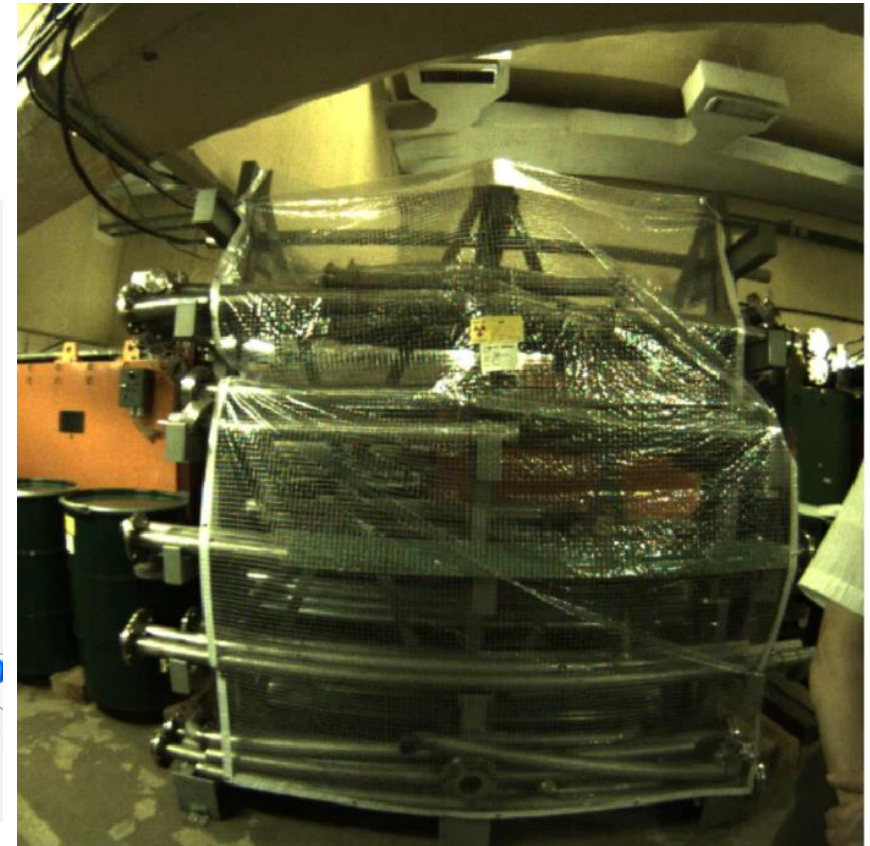
Detectors  
Find Gammas Pixel Total

Rebin 2

Eng Spec  Show all  
 Ave Spec  F/Eng  
 Fast Chan  Fpred-Fsucc  
 Delta T  Waveforms

Peak info

Centroid:	1333.89
FWHM:	2.62 (0.20%)
PWTM:	5.64 (0.42%)
Gross area:	2329.00
Net area:	2255.41



Home Saved File [Camera Icon] [X] [X+] [RB Icon]

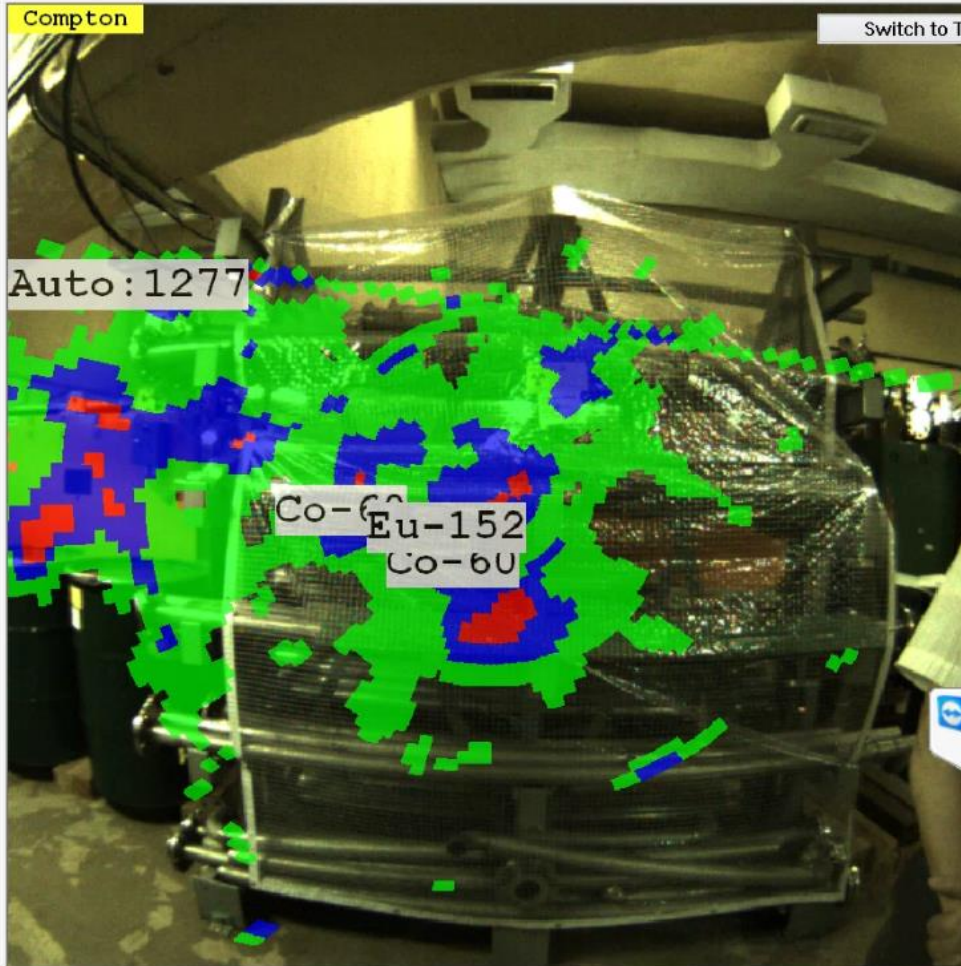
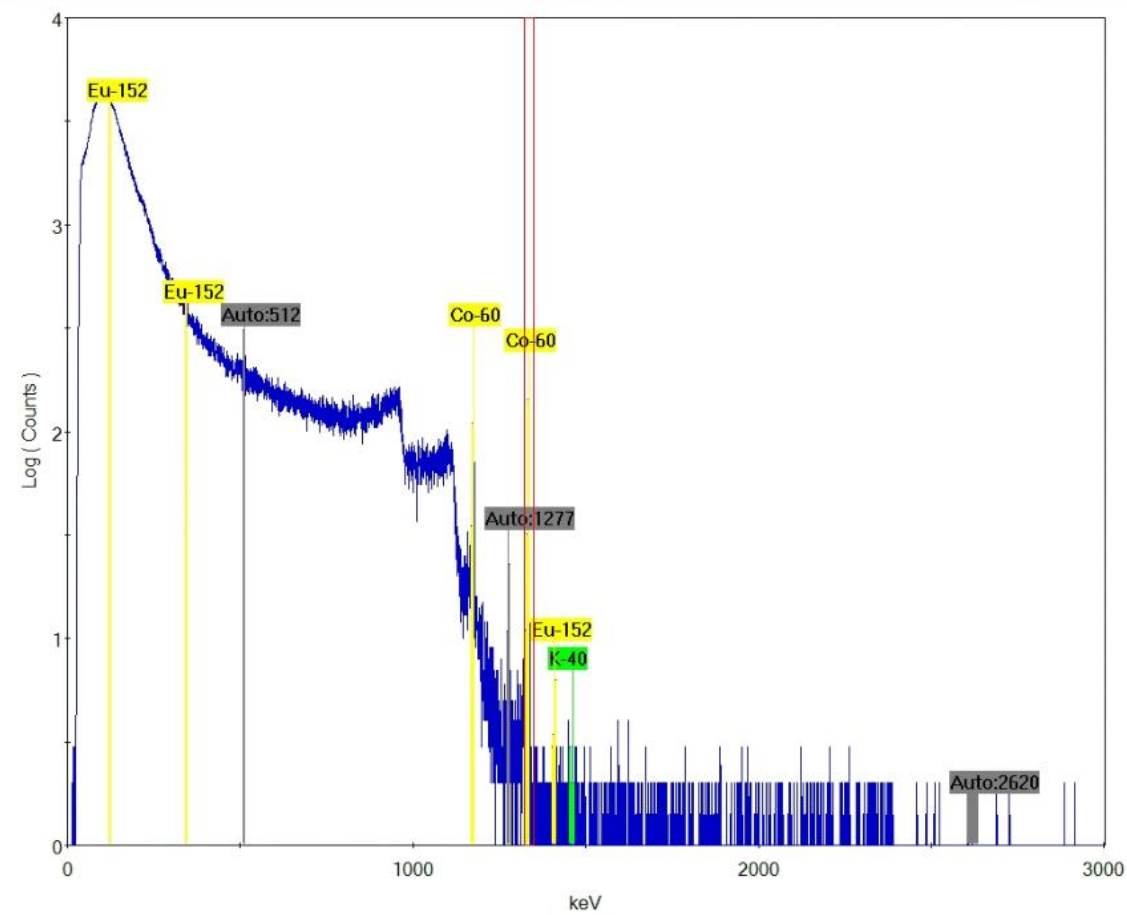
Time: 662

Saved File

CPS: 0 1.25 uSv/hr [Lightning Bolt Icon]

Temp (K): 79.1

[Magnifying Glass Icon] [Magnifying Glass Icon] [ADV] [X] [X] [Grid Icon] [Bar Chart Icon]

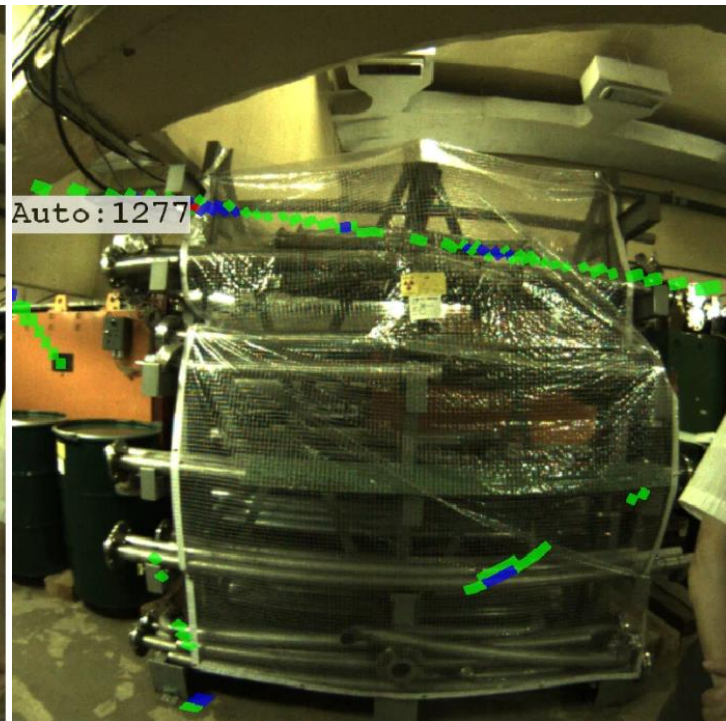
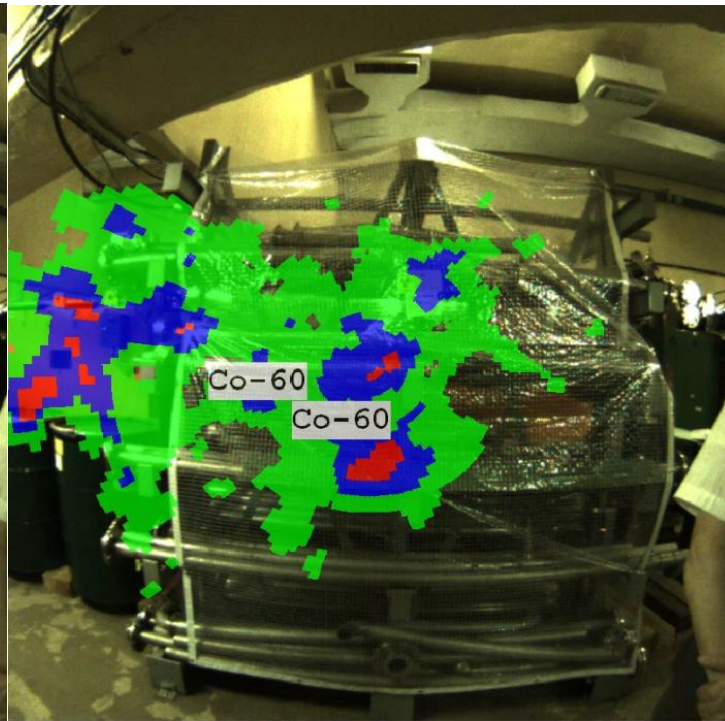
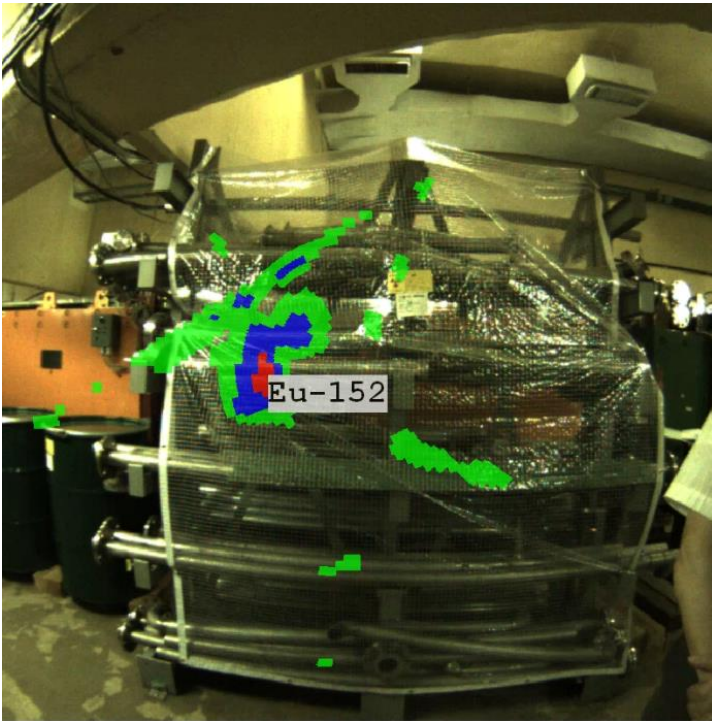


Ready

X = 823.2, Y = 1

NUM



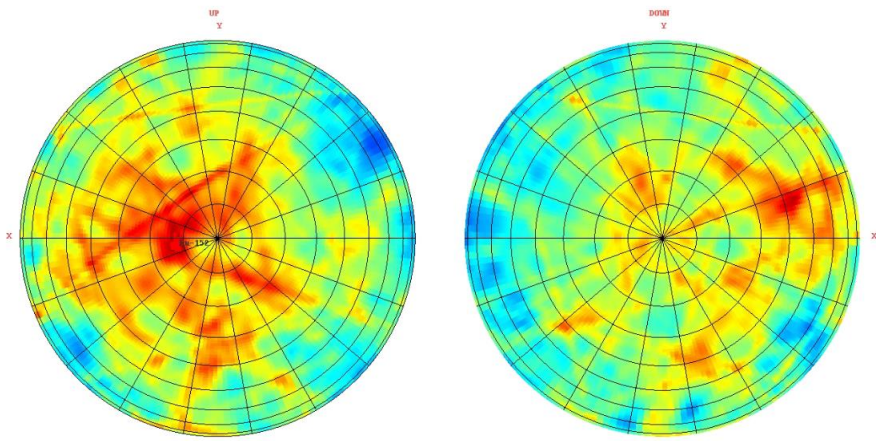


Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Co-60	1332.5	1055
<input checked="" type="checkbox"/> Co-60	1173.2	1273
<input checked="" type="checkbox"/> Eu-152	344.3	467
<input type="checkbox"/> K-40	1460.8	33
<input type="checkbox"/> Auto:512	511.7	86
<input checked="" type="checkbox"/> Auto:1277	1276.5	19
<input type="checkbox"/> Eu-152	1408.0	11
<input type="checkbox"/> Auto:2620	2620.0	0

上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
 (Power Width 40%にて)

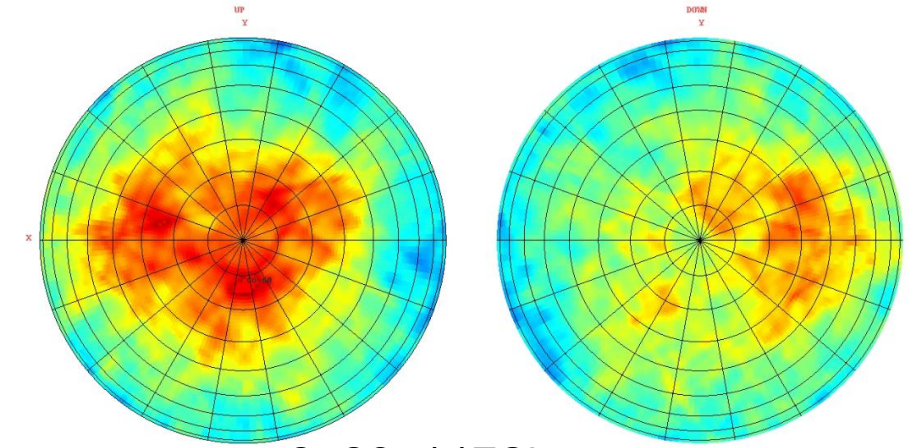


Eu-152 - 344.3 Event:467



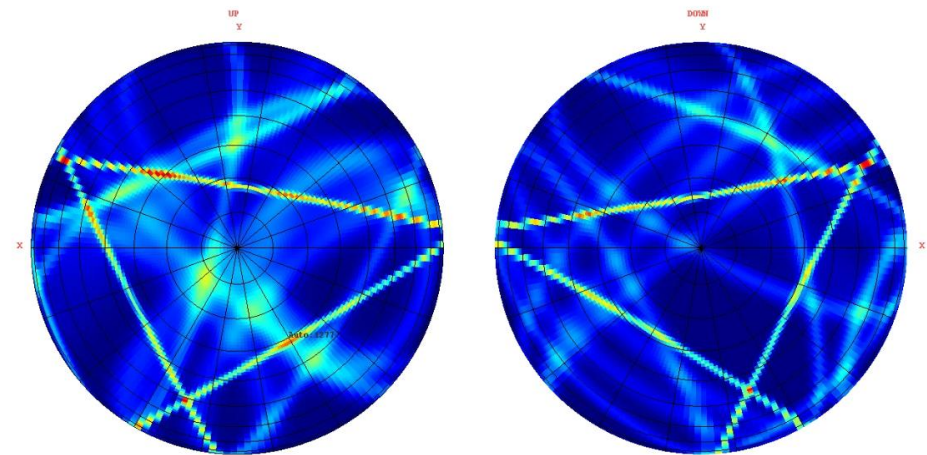
Eu152 344.3keV

Co-60 - 1173.2 Event:1273



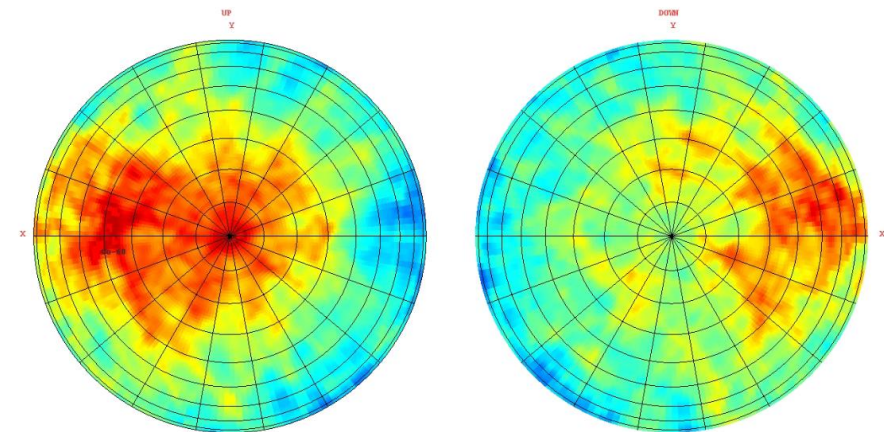
Co60 1173keV

Auto:1277 - 1 Event:19



Na22 1276keV

Co-60 - 1332.4 Event:1055



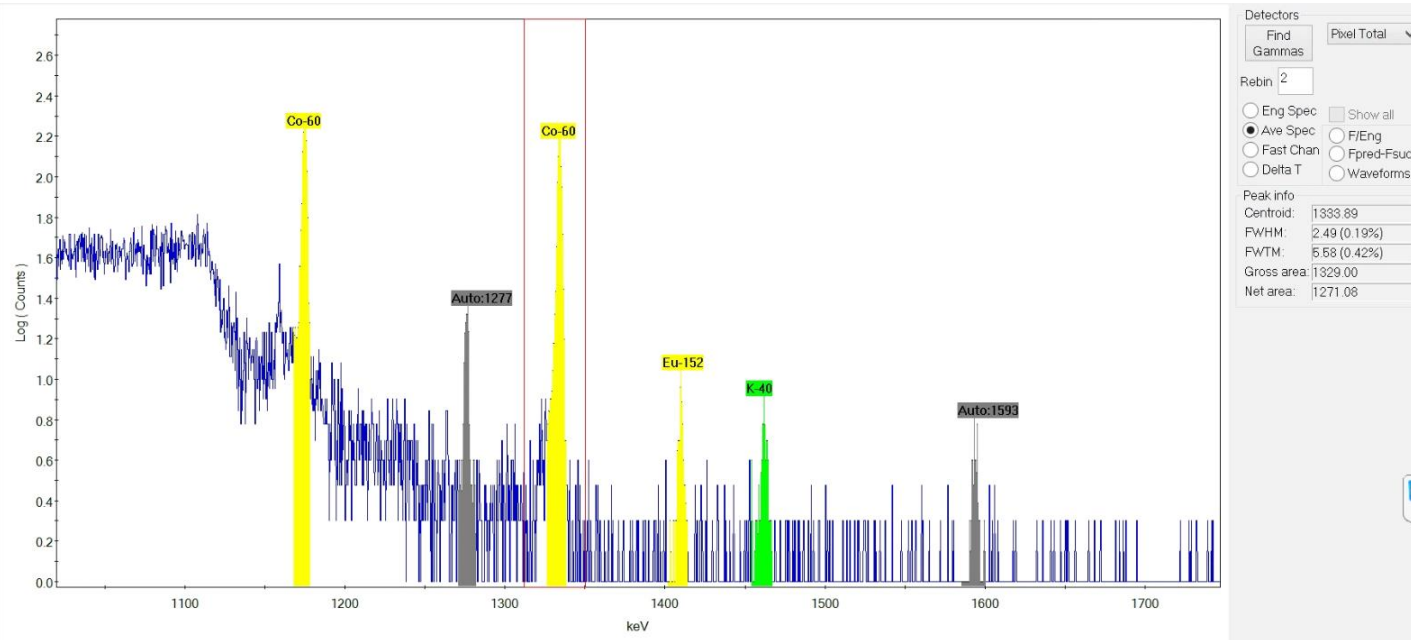
Co60 1332keV

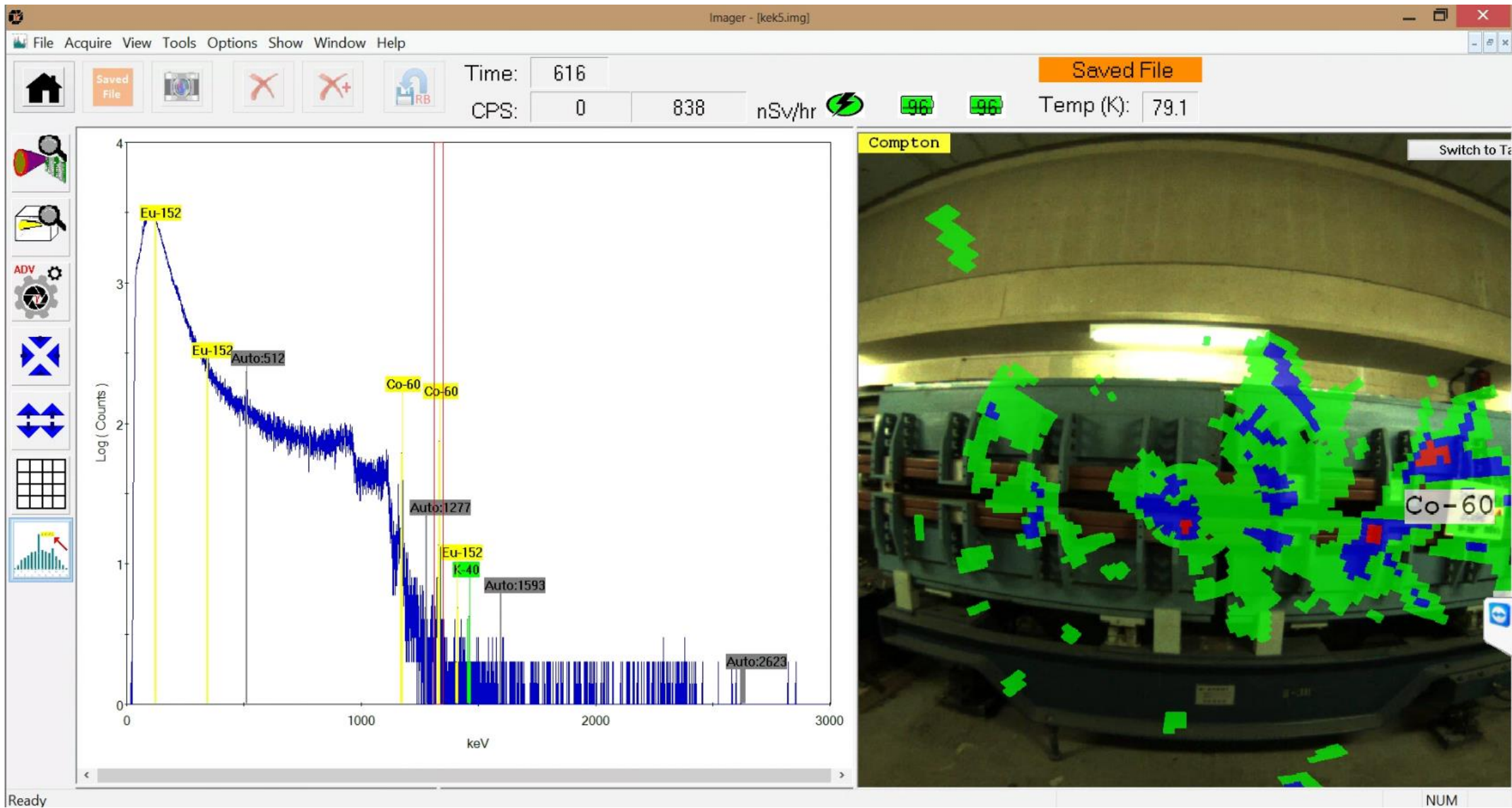


# 測定5

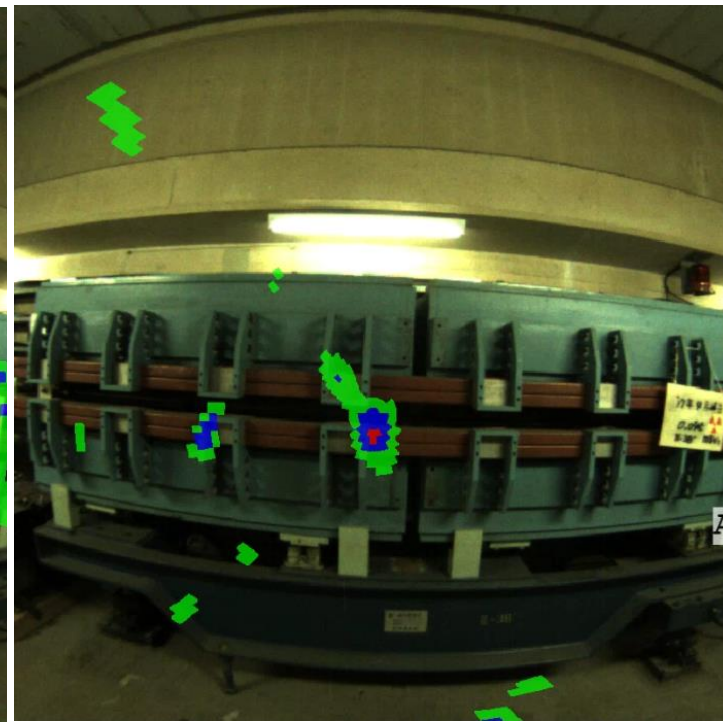
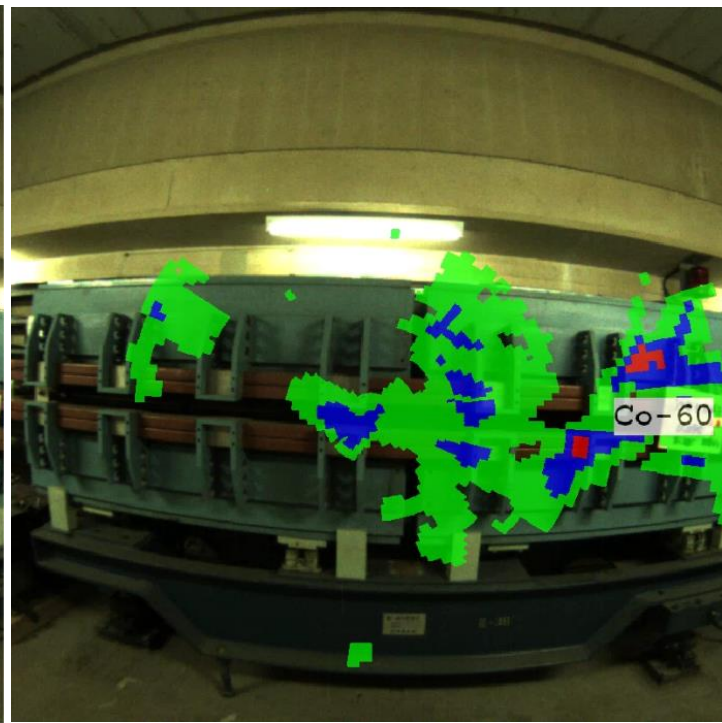
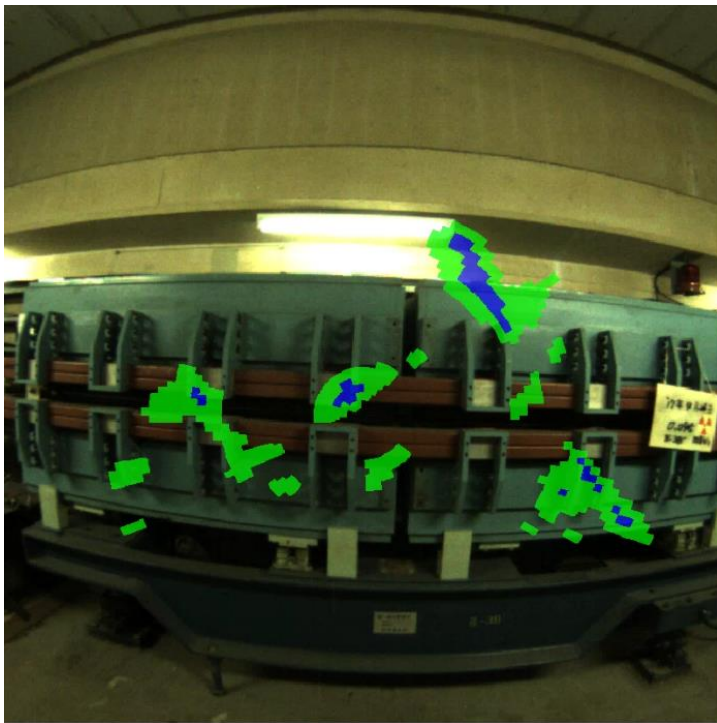
測定距離 1.5m

測定時間 616秒





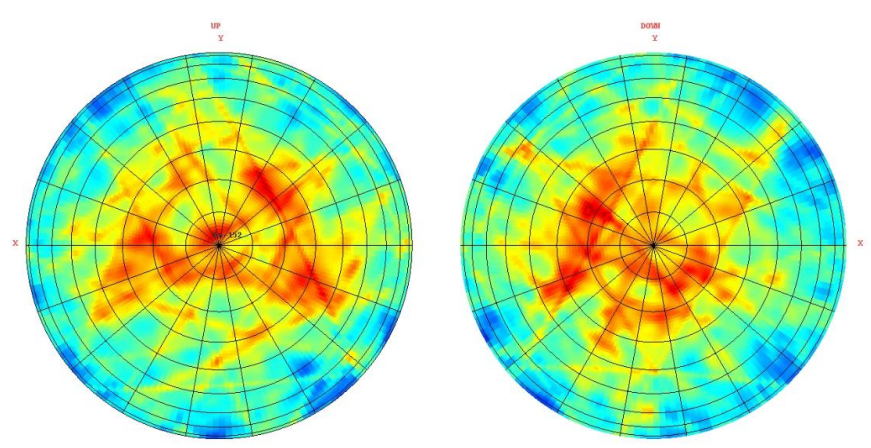




Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Co-60	1332.5	579
<input checked="" type="checkbox"/> Co-60	1173.2	673
<input checked="" type="checkbox"/> Eu-152	344.3	397
<input type="checkbox"/> K-40	1460.8	23
<input type="checkbox"/> Auto:512	511.7	340
<input checked="" type="checkbox"/> Auto:1277	1276.7	49
<input type="checkbox"/> Eu-152	1408.0	18
<input type="checkbox"/> Auto:1593	1593.2	0
<input type="checkbox"/> Auto:2623	2622.9	0

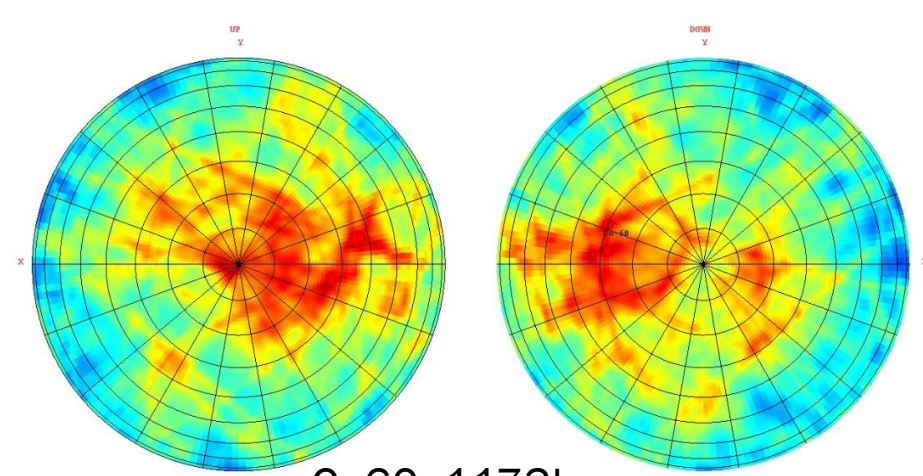
上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
(Power Width 40%にて)

Eu-152 - 344.3 Event:997



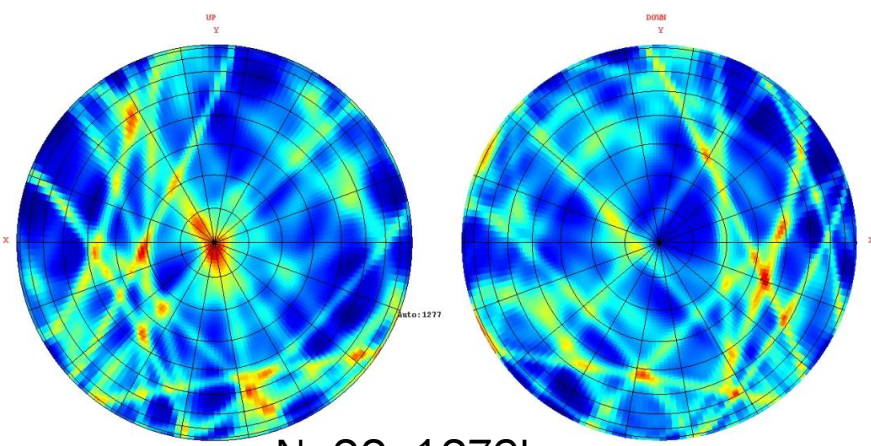
Eu152 344.3kev

Co-60 - 1173.2 Event:673



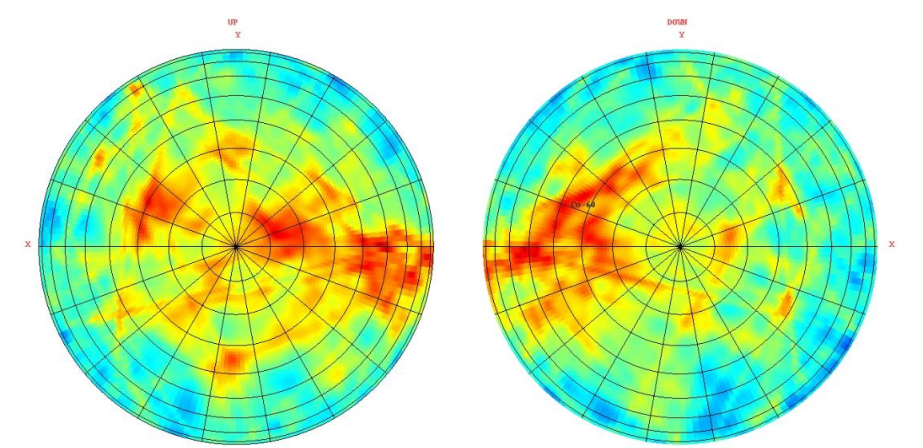
Co60 1173kev

Auto:1277 - 1 Event:49



Na22 1276kev

Co-60 - 1332.4 Event:579



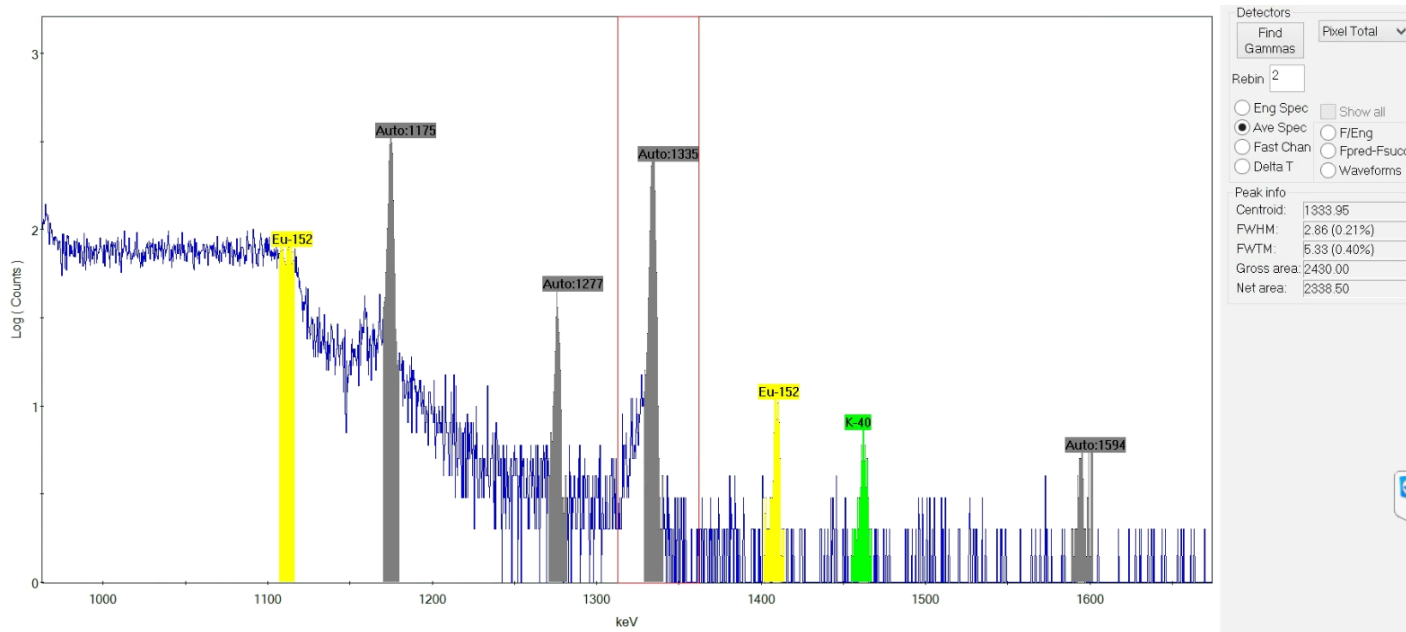
Co60 1332kev



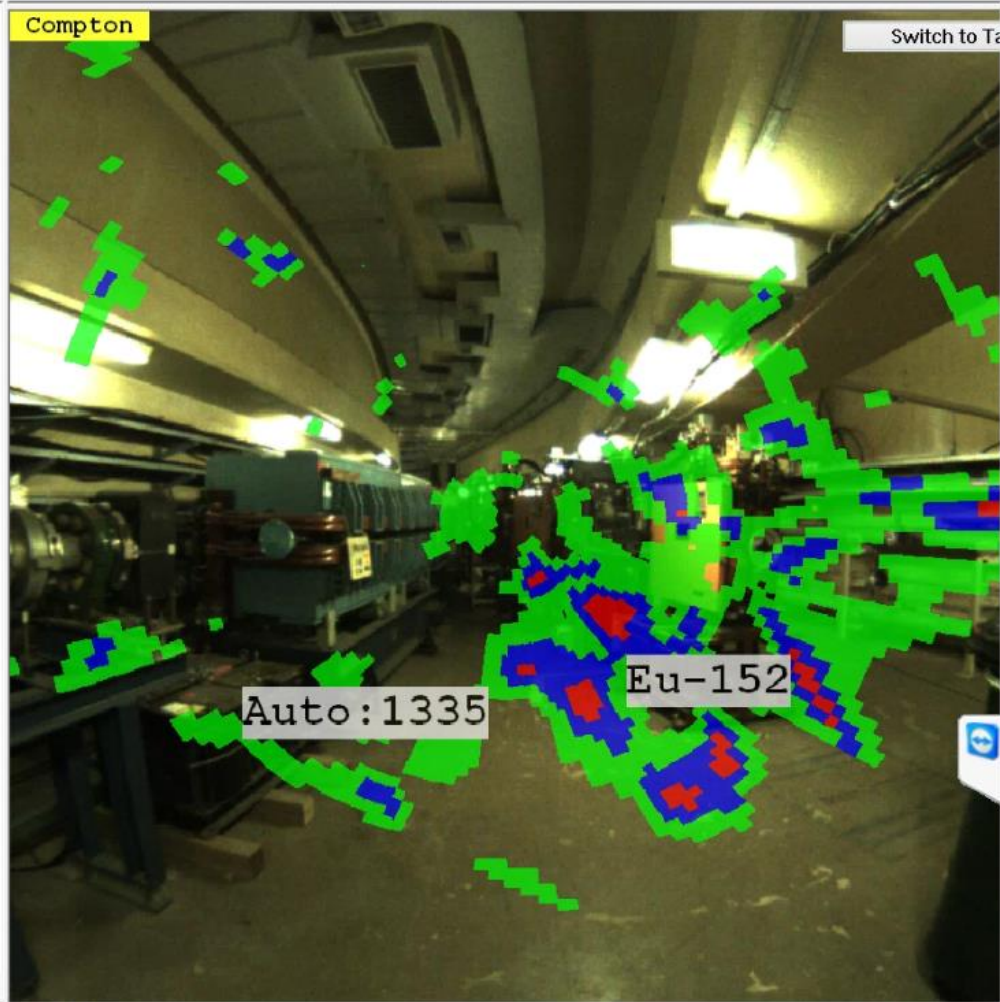
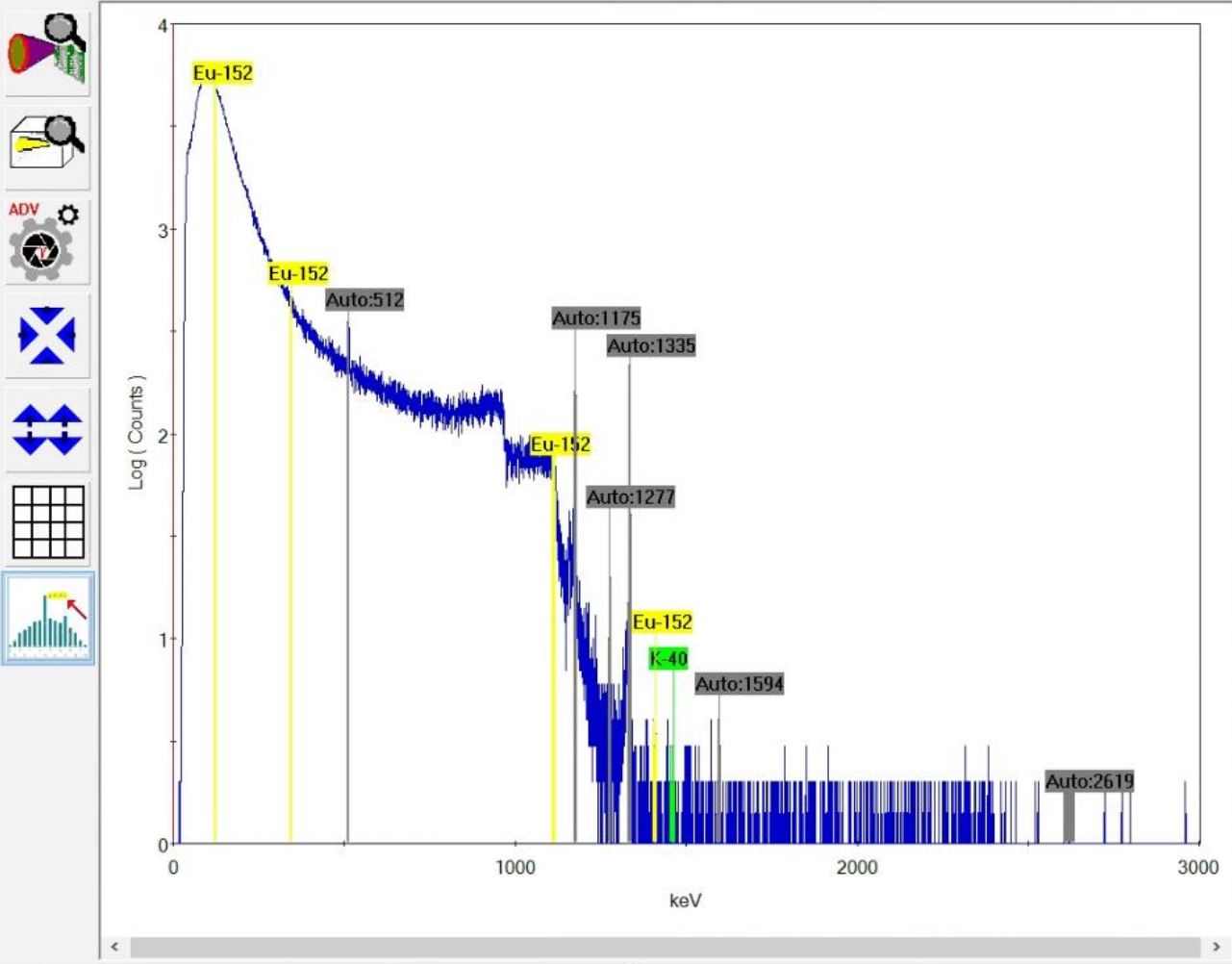
# 測定6

測定距離 10m

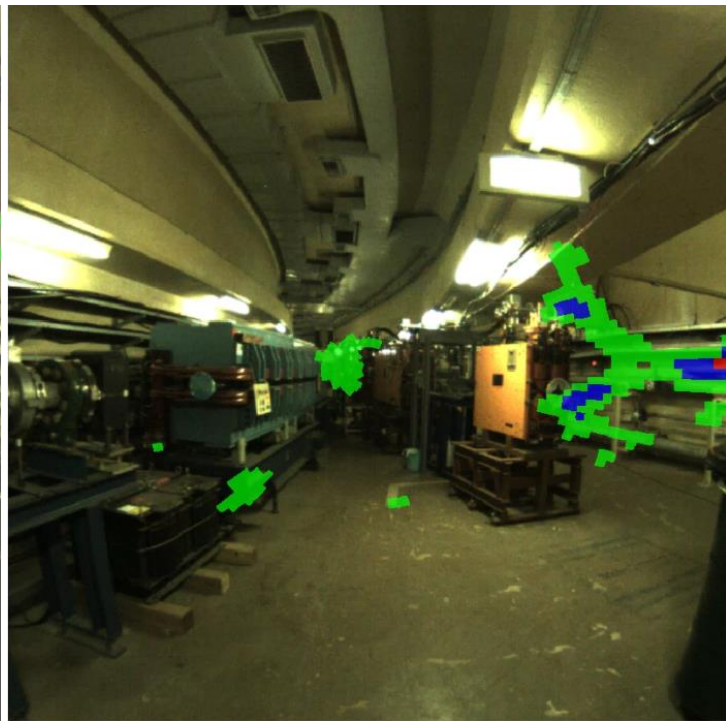
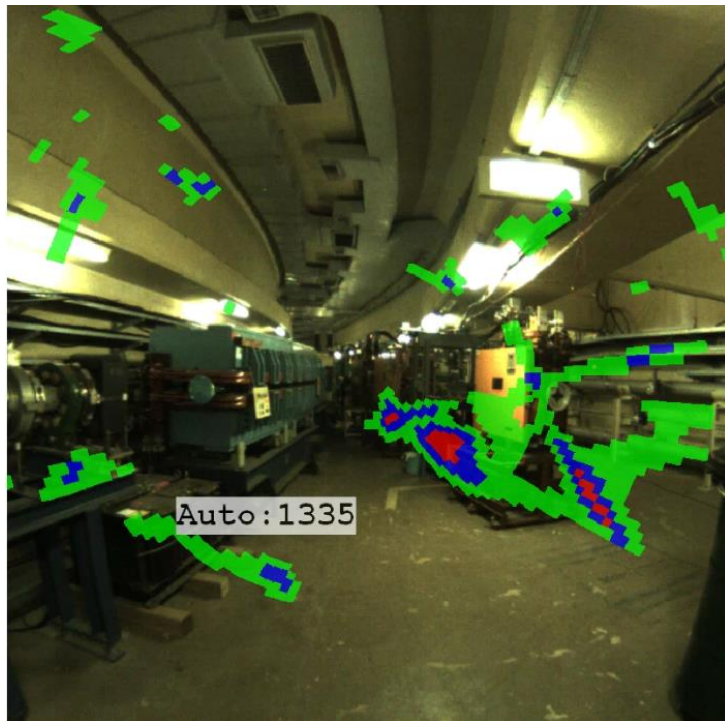
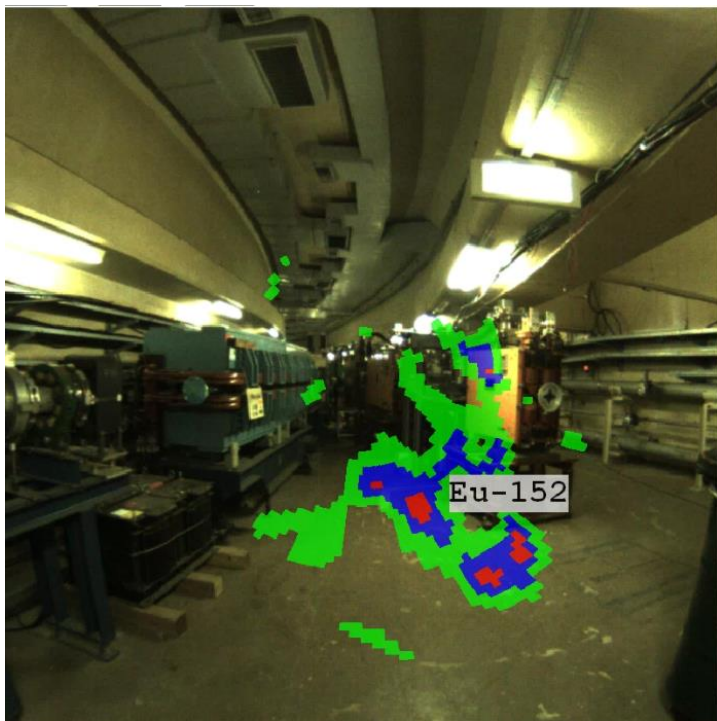
測定時間 658秒



Home
Saved File
RB
Time: 658
CPS: 0 1.36
uSv/hr
Temp (K): 79.1
Saved File



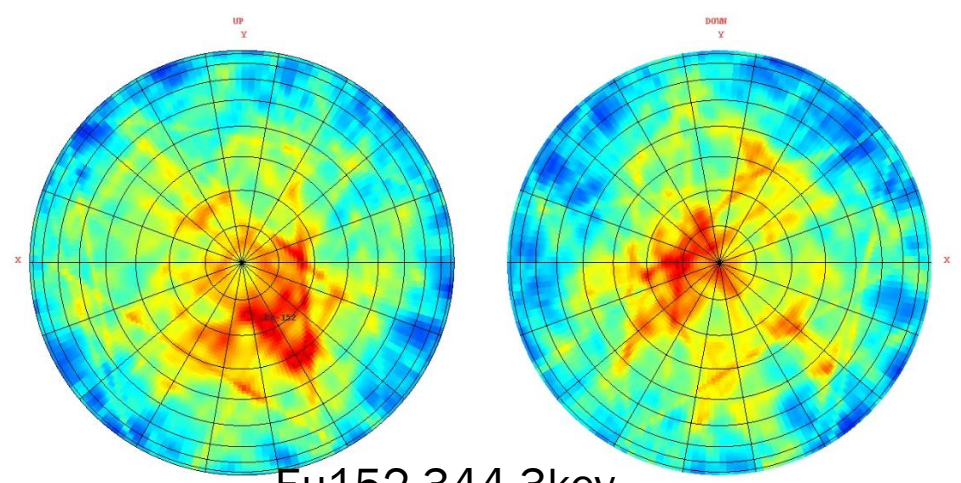




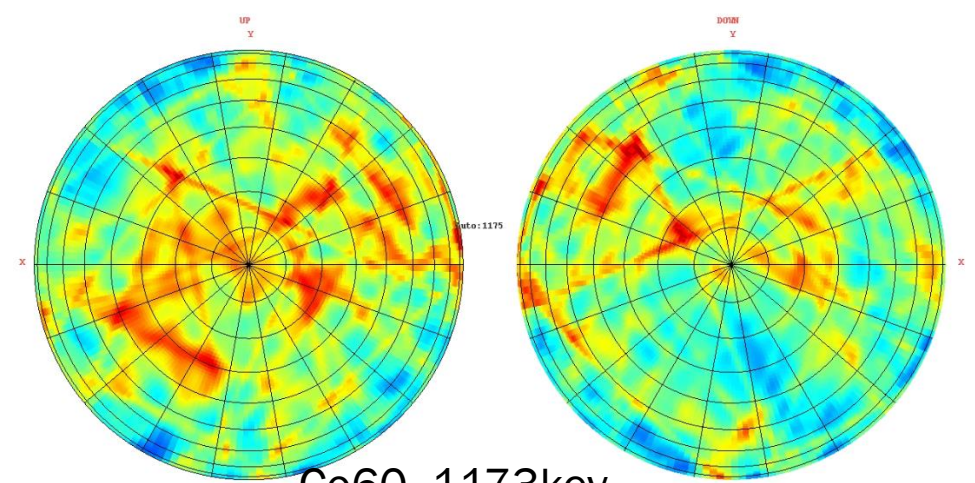
Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Eu-152	344.3	376
<input type="checkbox"/> Auto:512	511.8	525
<input type="checkbox"/> Eu-152	1112.1	351
<input checked="" type="checkbox"/> Auto:1175	1175.3	334
<input type="checkbox"/> K-40	1460.8	13
<input checked="" type="checkbox"/> Auto:1277	1276.7	582
<input type="checkbox"/> Eu-152	1408.0	26
<input checked="" type="checkbox"/> Auto:1335	1334.9	170
<input type="checkbox"/> Auto:1594	1594.4	0
<input type="checkbox"/> Auto:2619	2619.1	0

上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
 (Power Width 40%にて)

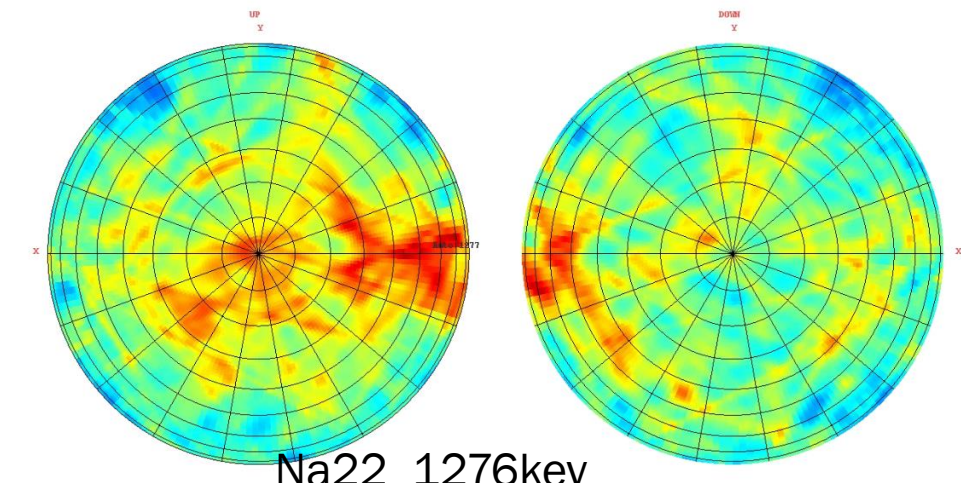




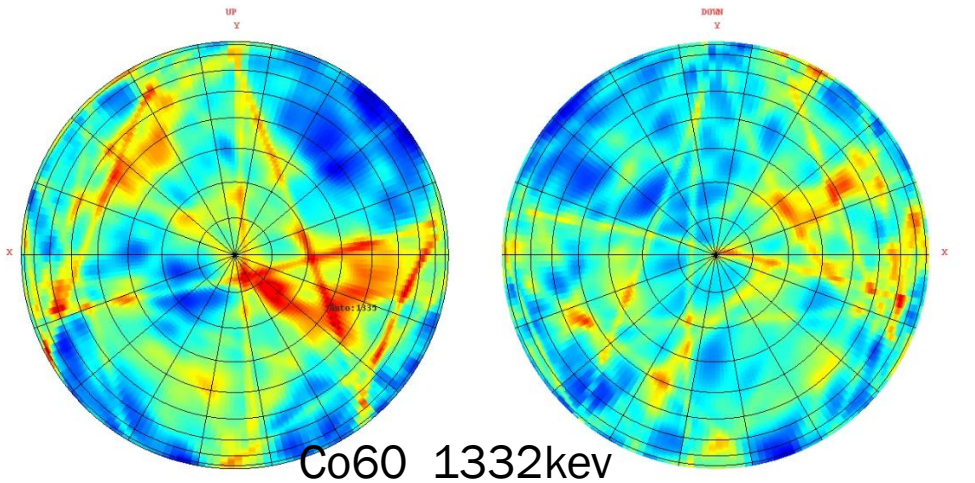
Eu152 344.3keV



Co60 1173keV



Na22 1276keV



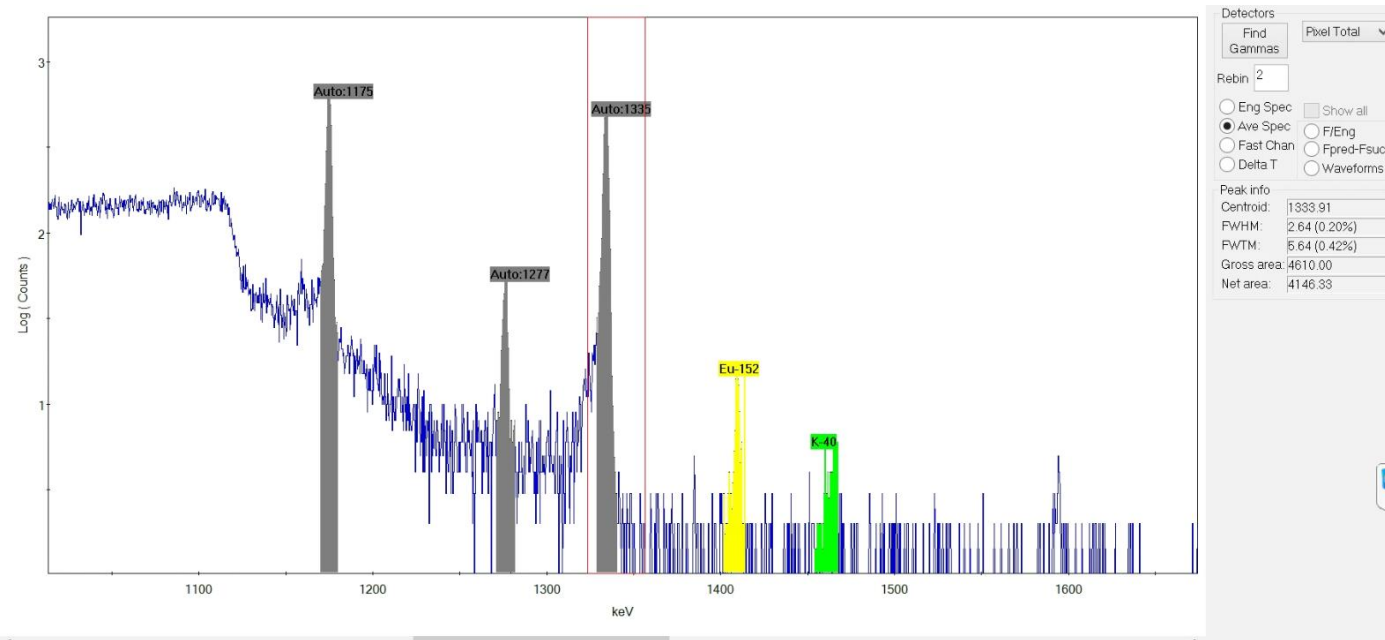
Co60 1332keV

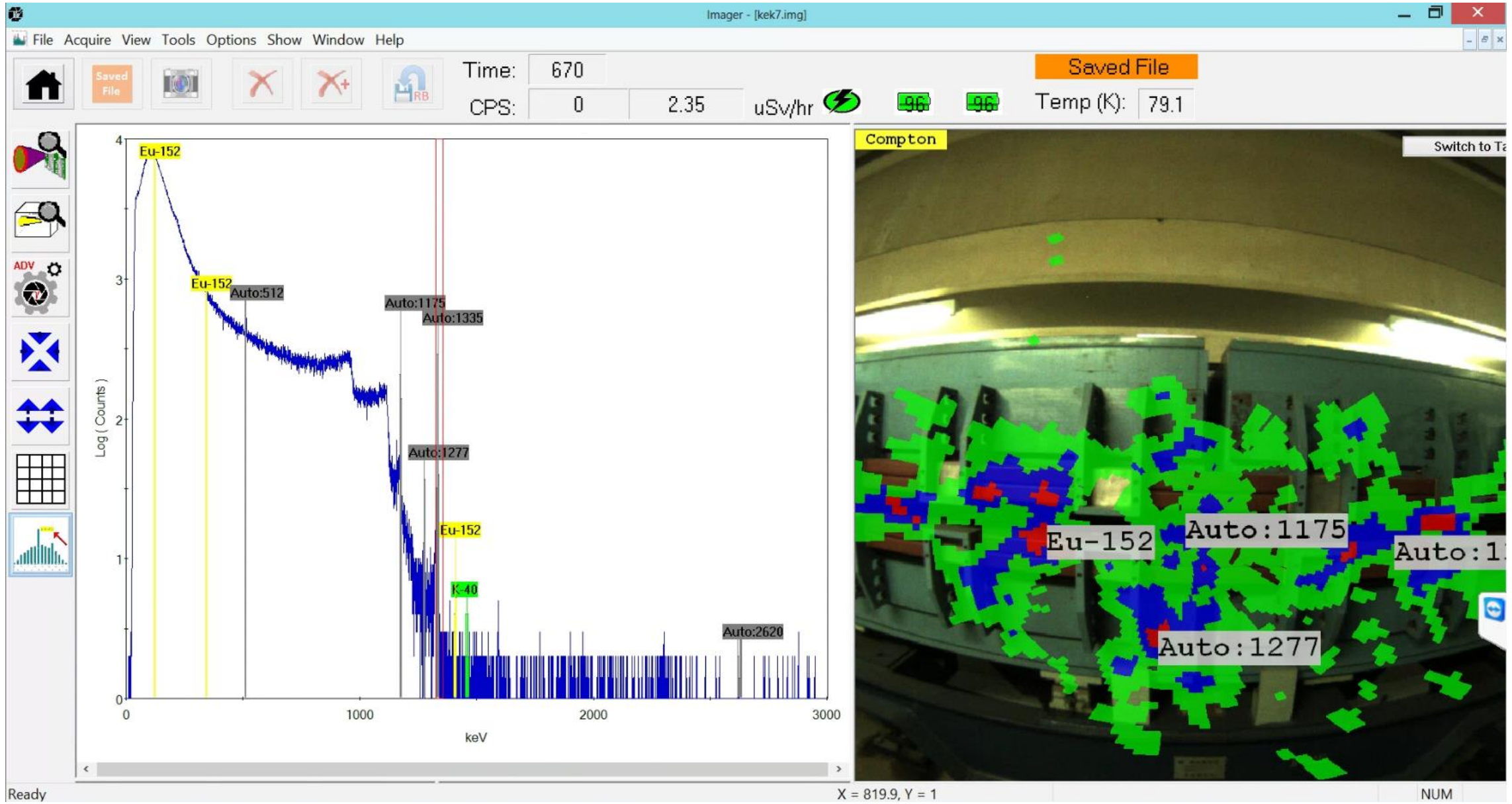


# 測定7

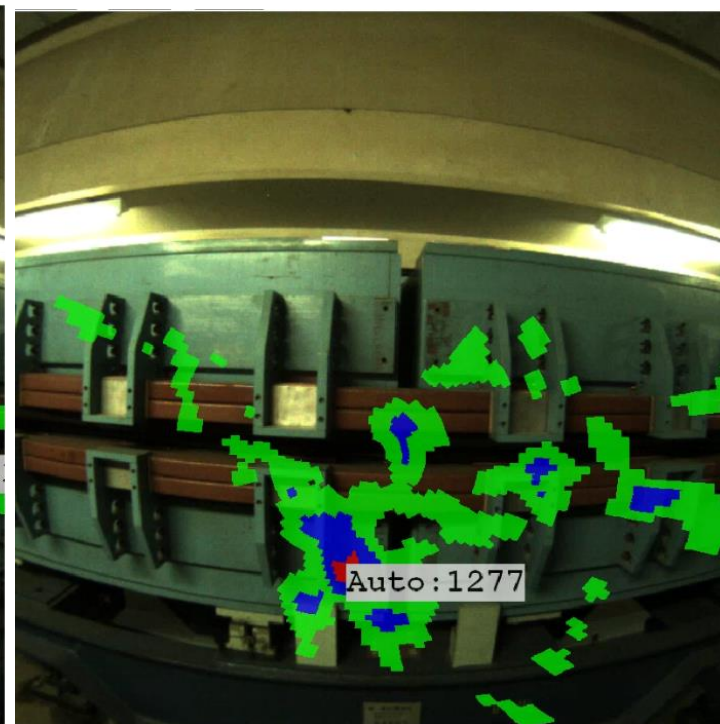
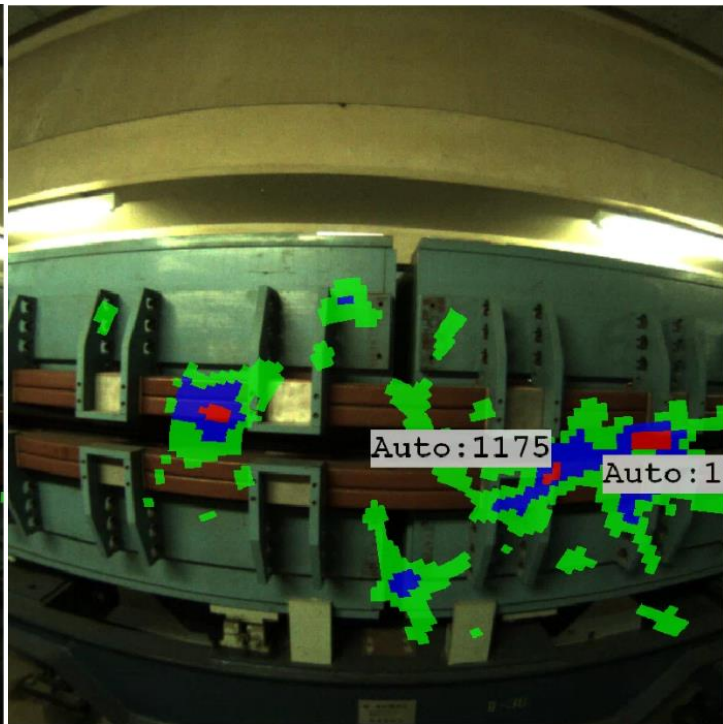
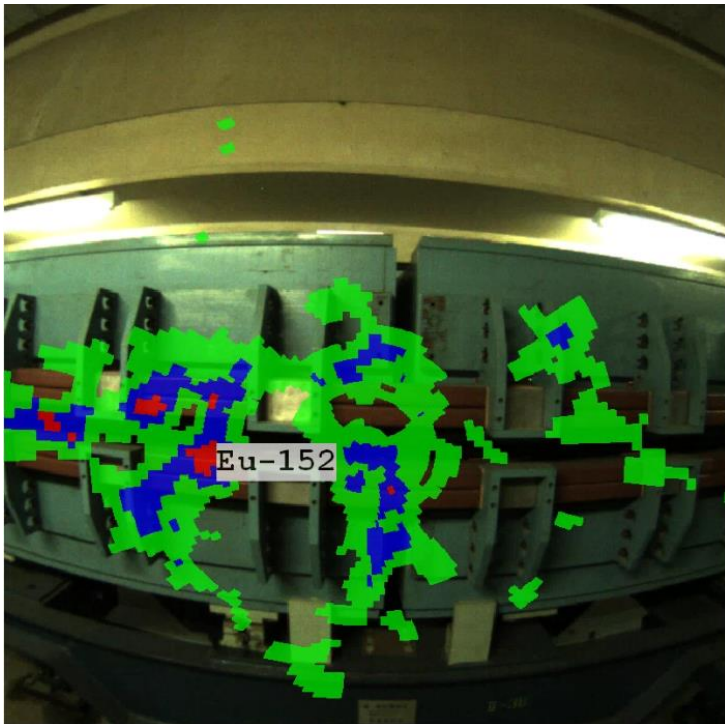
測定距離 0.9m

測定時間 670秒







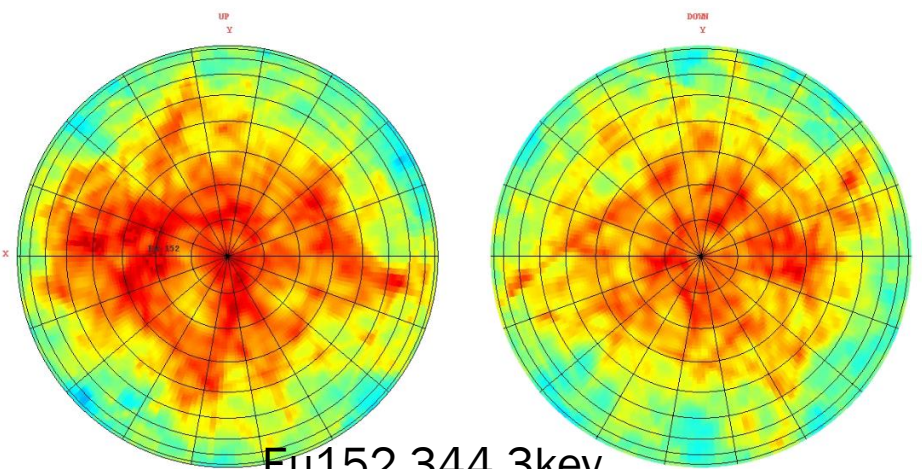


Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Eu-152	344.3	1132
<input type="checkbox"/> Auto:512	511.8	460
<input checked="" type="checkbox"/> Auto:1175	1175.2	270
<input checked="" type="checkbox"/> Auto:1277	1276.6	861
<input type="checkbox"/> K-40	1460.8	21
<input type="checkbox"/> Eu-152	1408.0	34
<input checked="" type="checkbox"/> Auto:1335	1334.8	587
<input type="checkbox"/> Auto:2620	2620.2	550

上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
 (Power Width 40%にて)

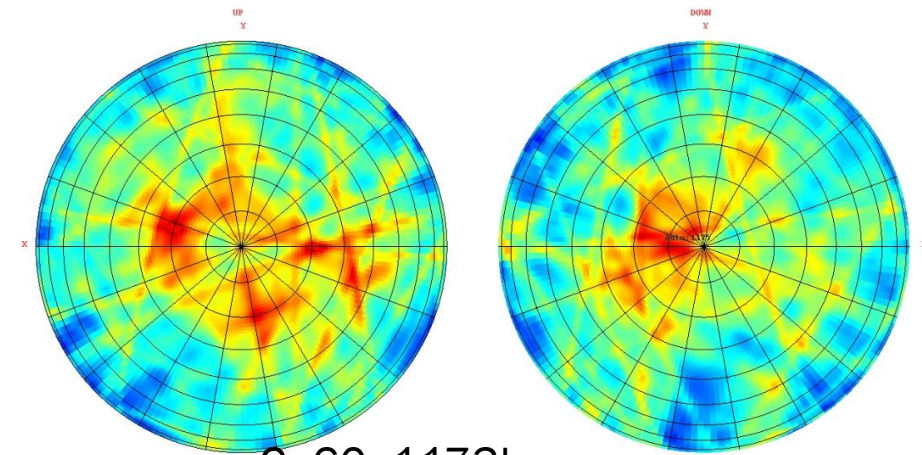


Eu-152 - 344.3 Event:1132



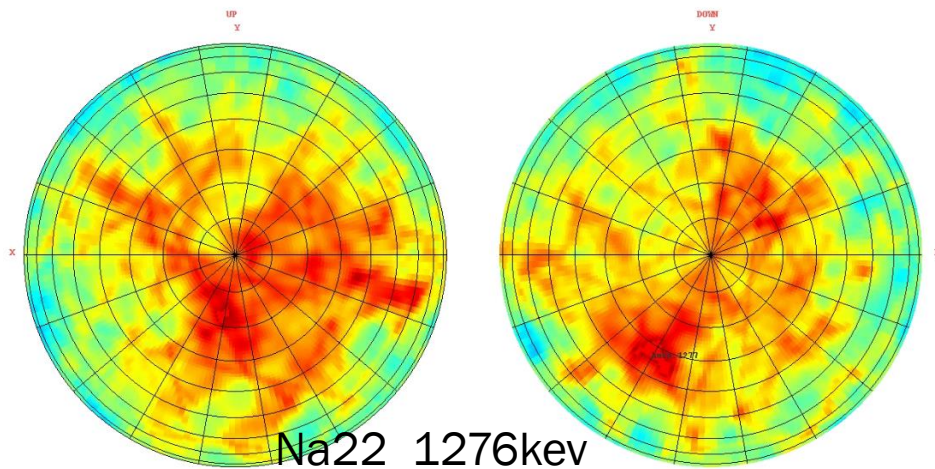
Eu152 344.3kev

Auto:1175 - 1 Event:270



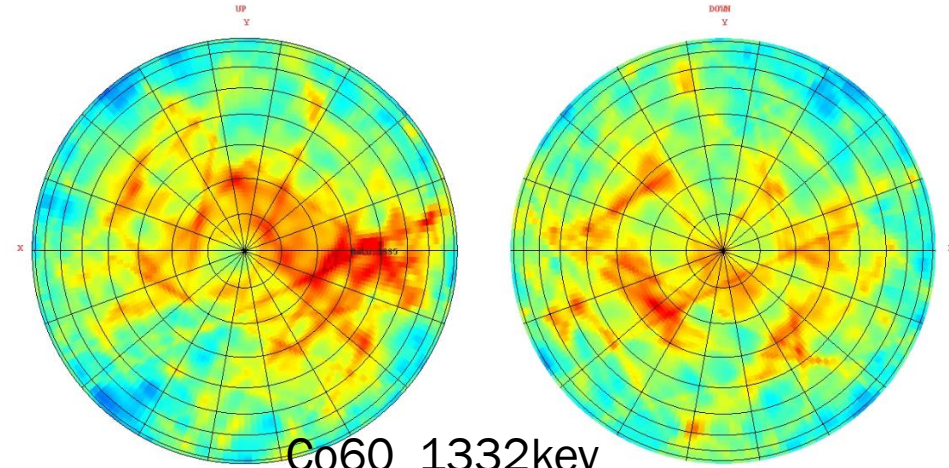
Co60 1173kev

Auto:1277 - 1 Event:861



Na22 1276kev

Auto:1335 - 1 Event:587



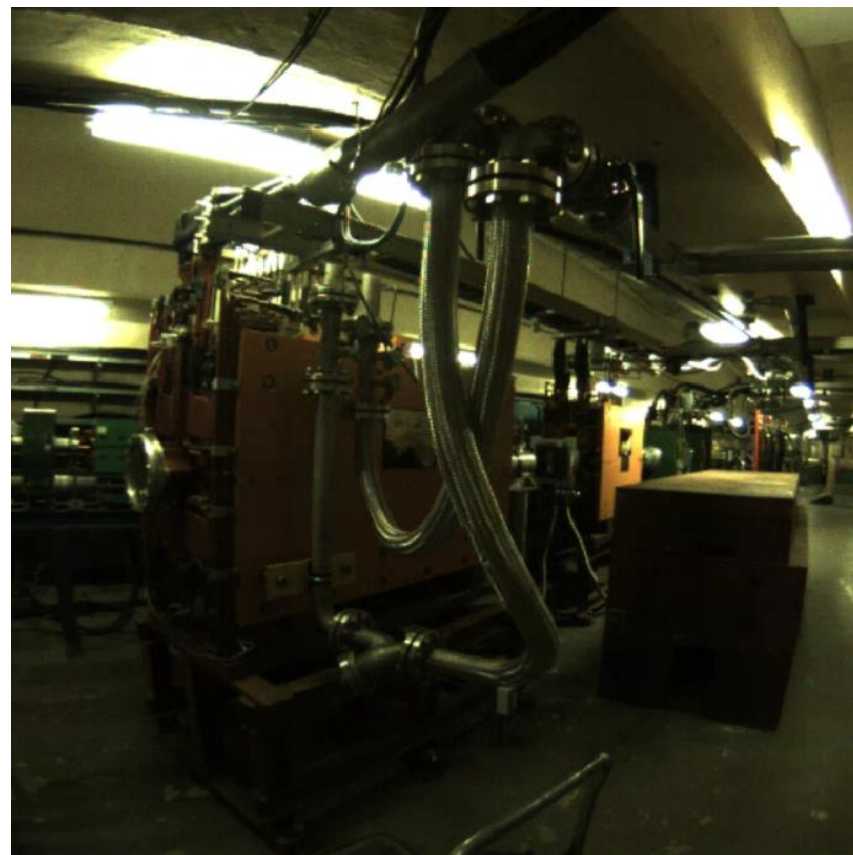
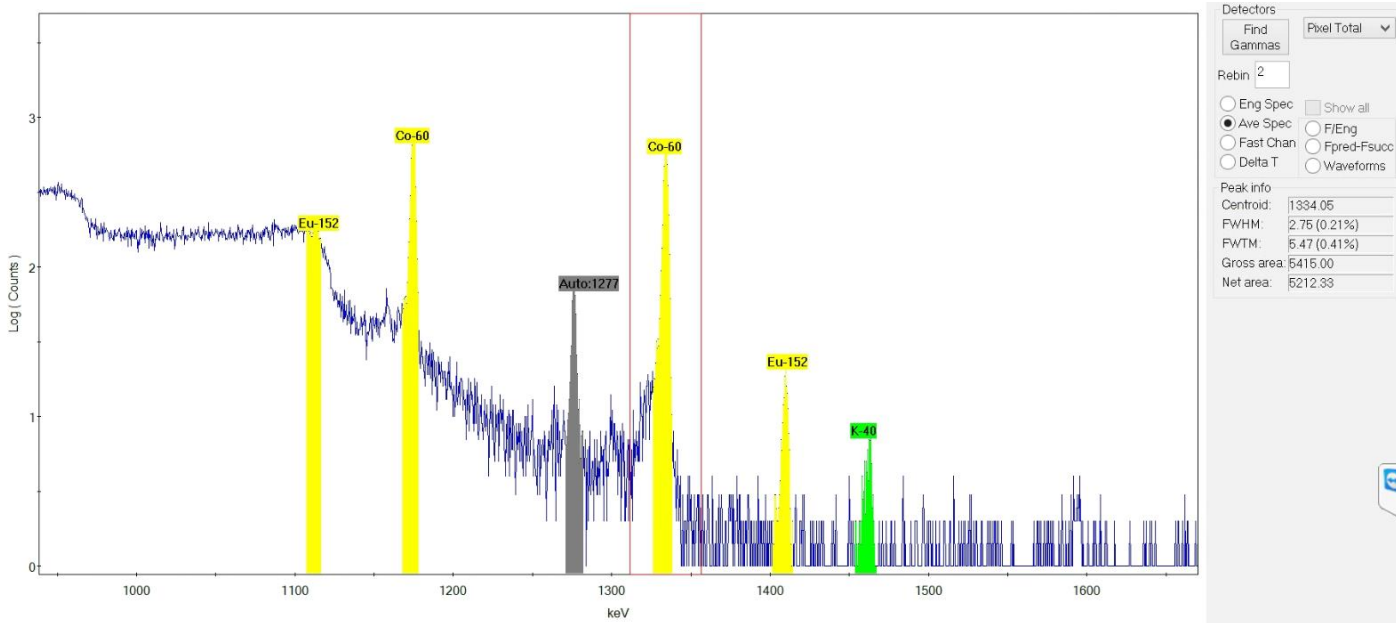
Co60 1332kev

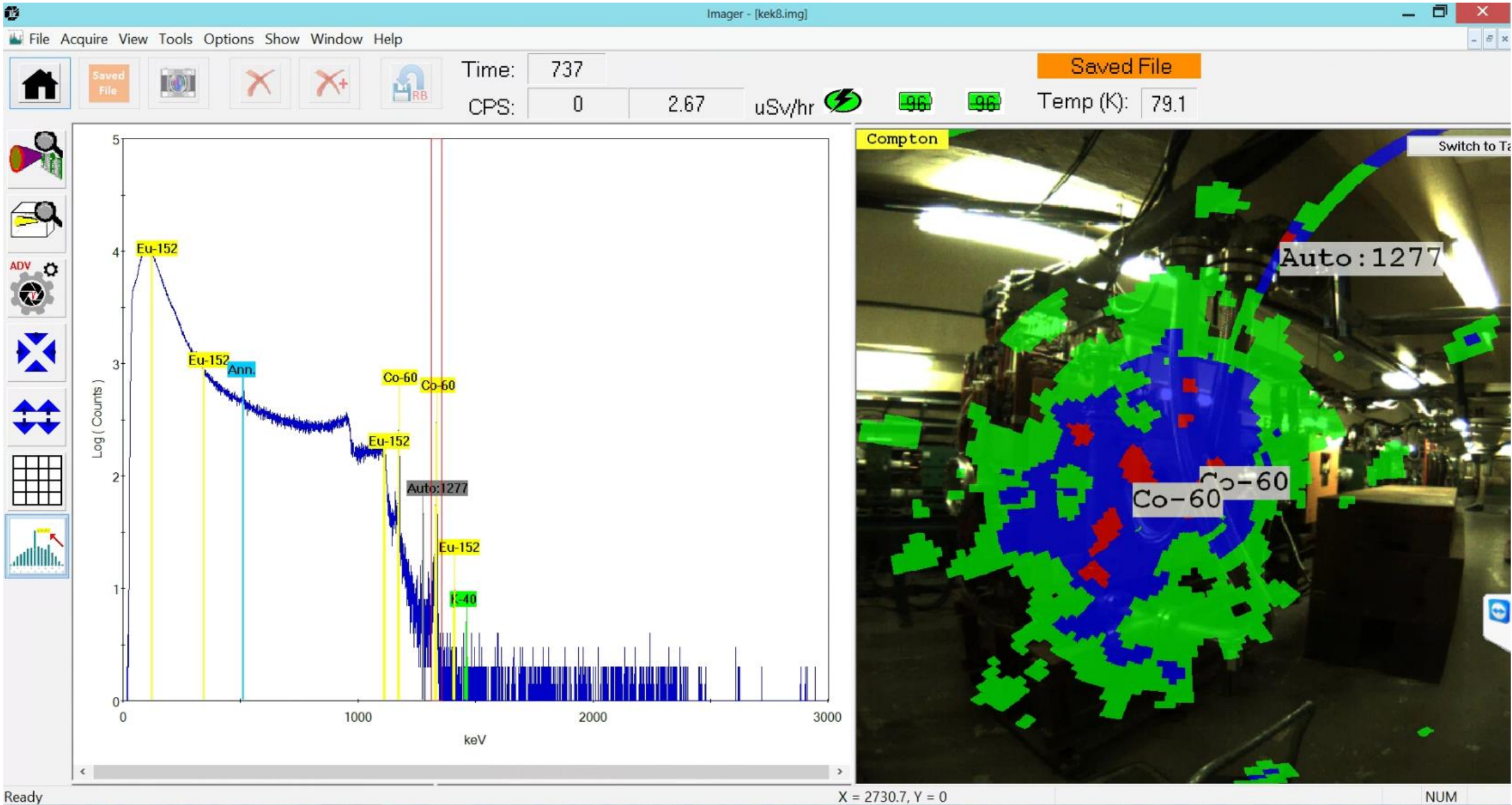


# 測定8

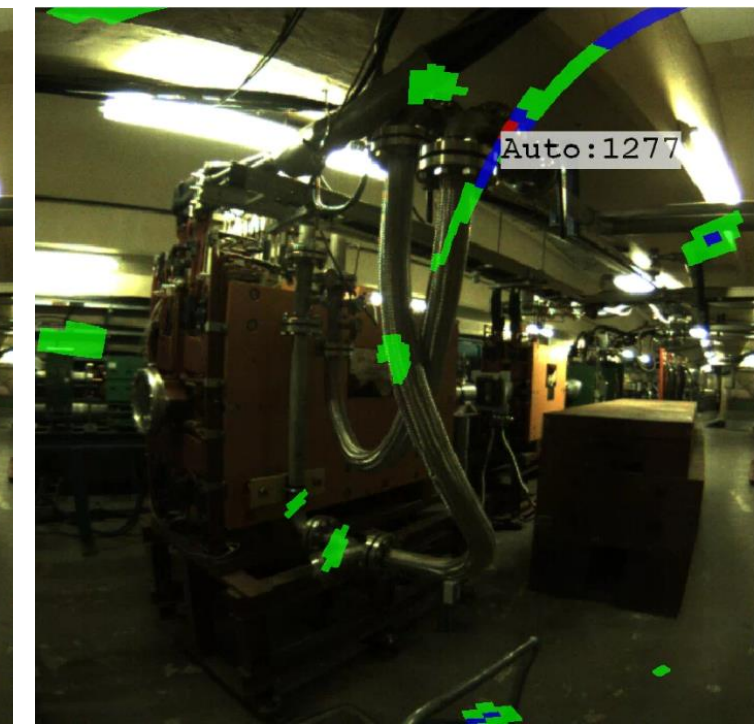
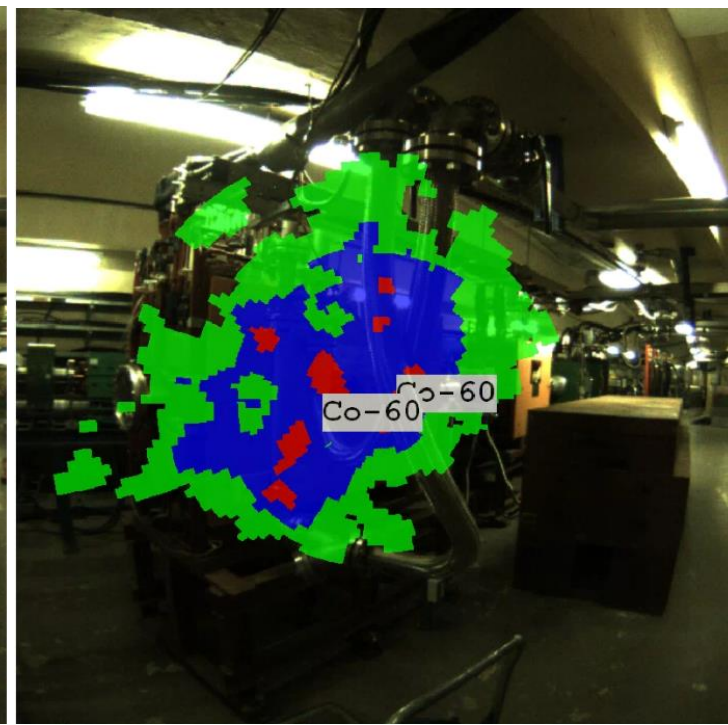
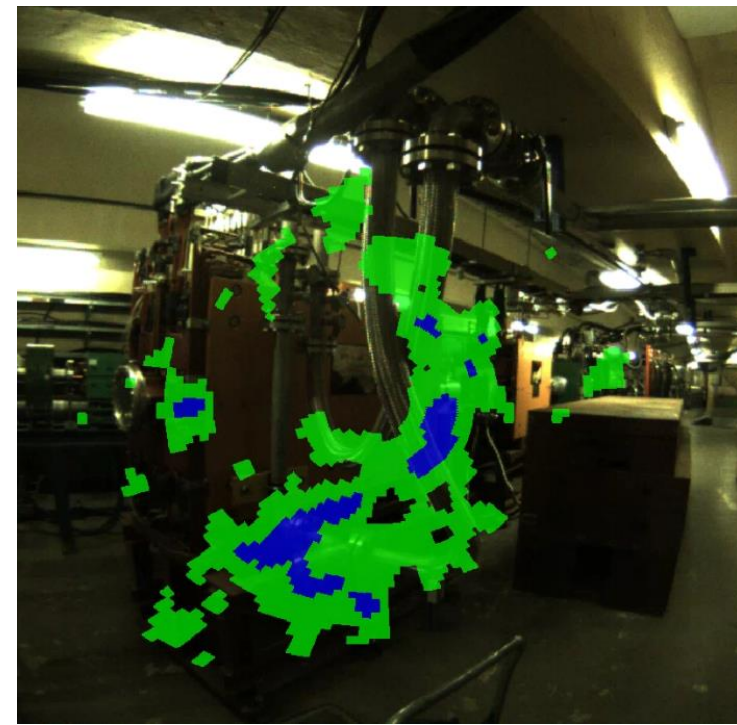
測定距離 2.0m

測定時間 737秒









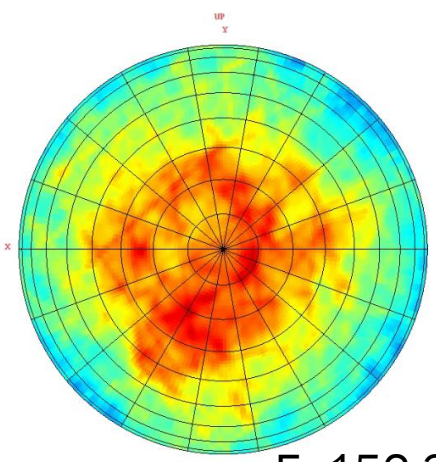
Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Eu-152	344.3	1170
<input checked="" type="checkbox"/> Co-60	1173.2	2702
<input checked="" type="checkbox"/> Co-60	1332.5	2396
<input type="checkbox"/> Ann.	511.0	637
<input type="checkbox"/> K-40	1460.8	19
<input type="checkbox"/> Eu-152	1408.0	74
<input type="checkbox"/> Eu-152	1112.1	37
<input checked="" type="checkbox"/> Auto:1277	1276.8	27

上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
 (Power Width 40%にて)

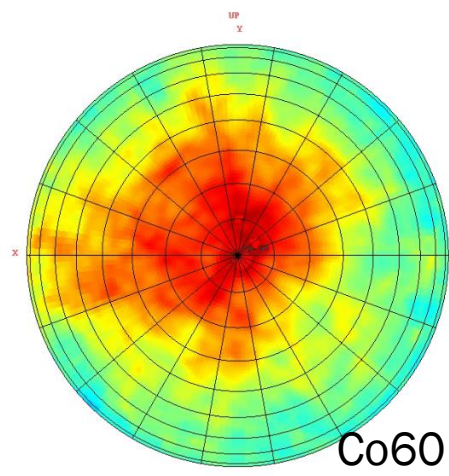
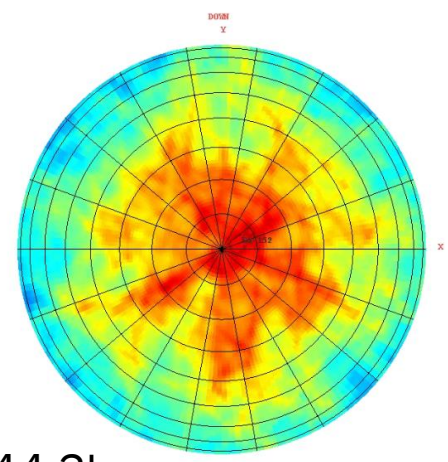


Eu-152 - 344.3 Event:1170

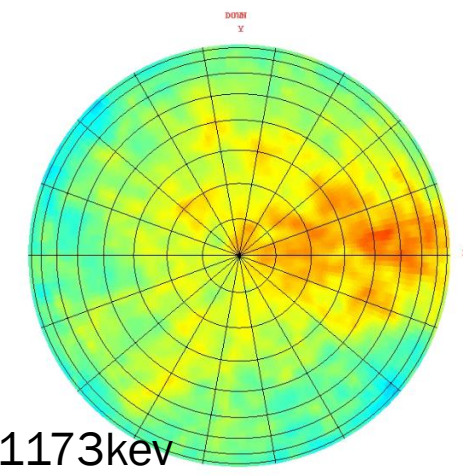
Co-60 - 1173.4 Event:2702



Eu152 344.3kev

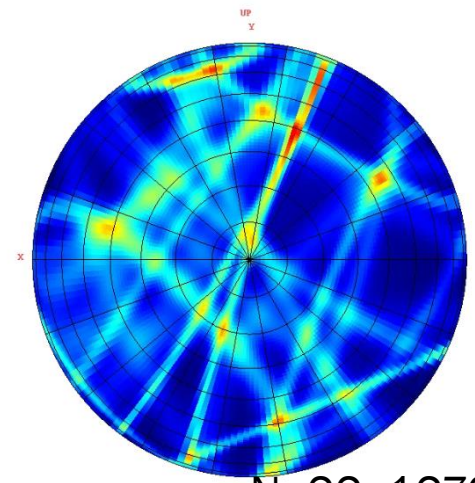


Co60 1173kev

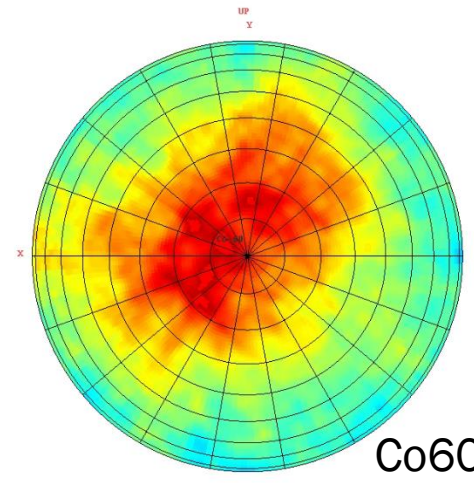
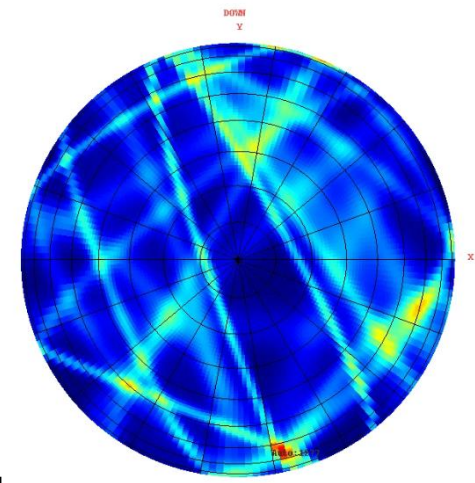


Auto:1277 - 1 Event:27

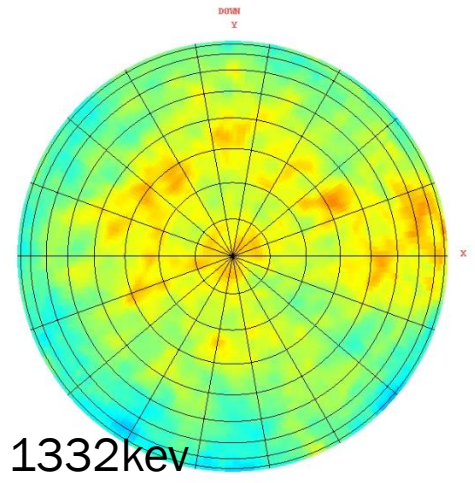
rent:2396



Na22 1276kev



Co60 1332kev

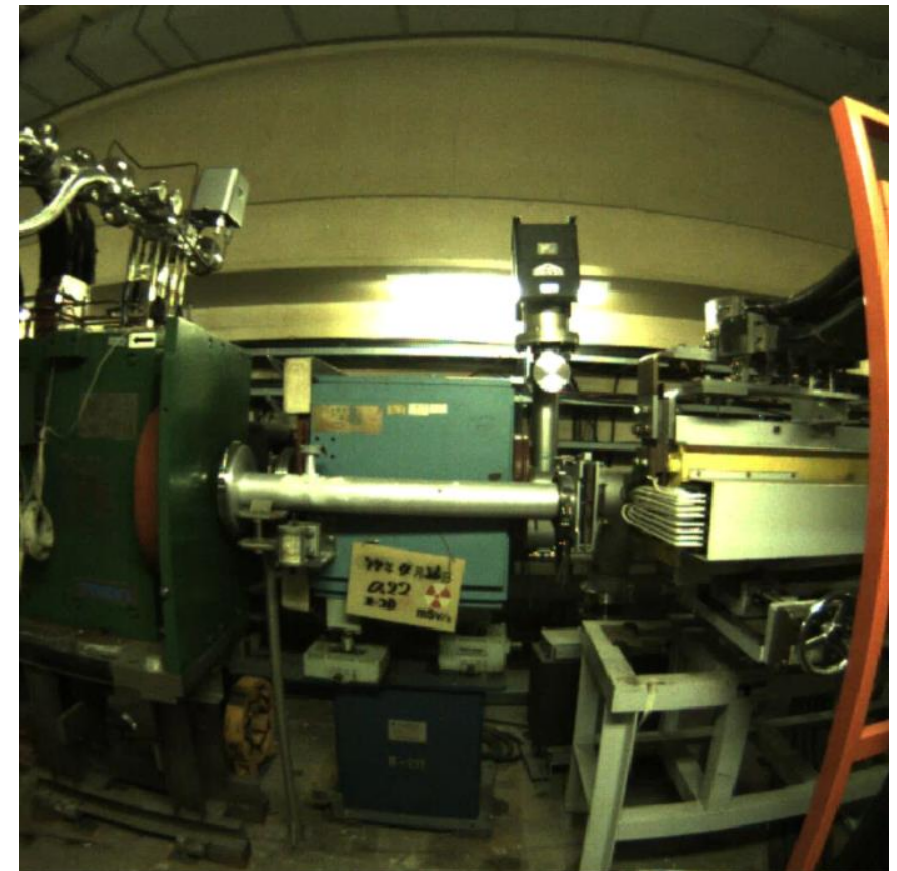
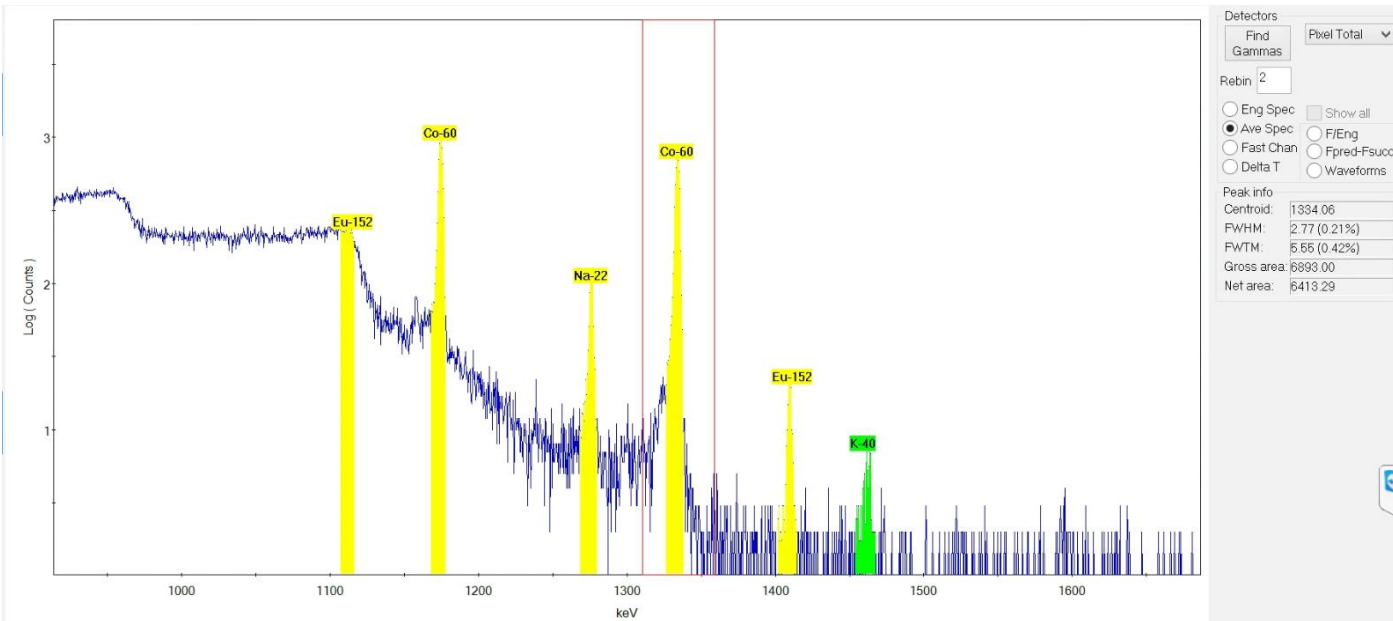


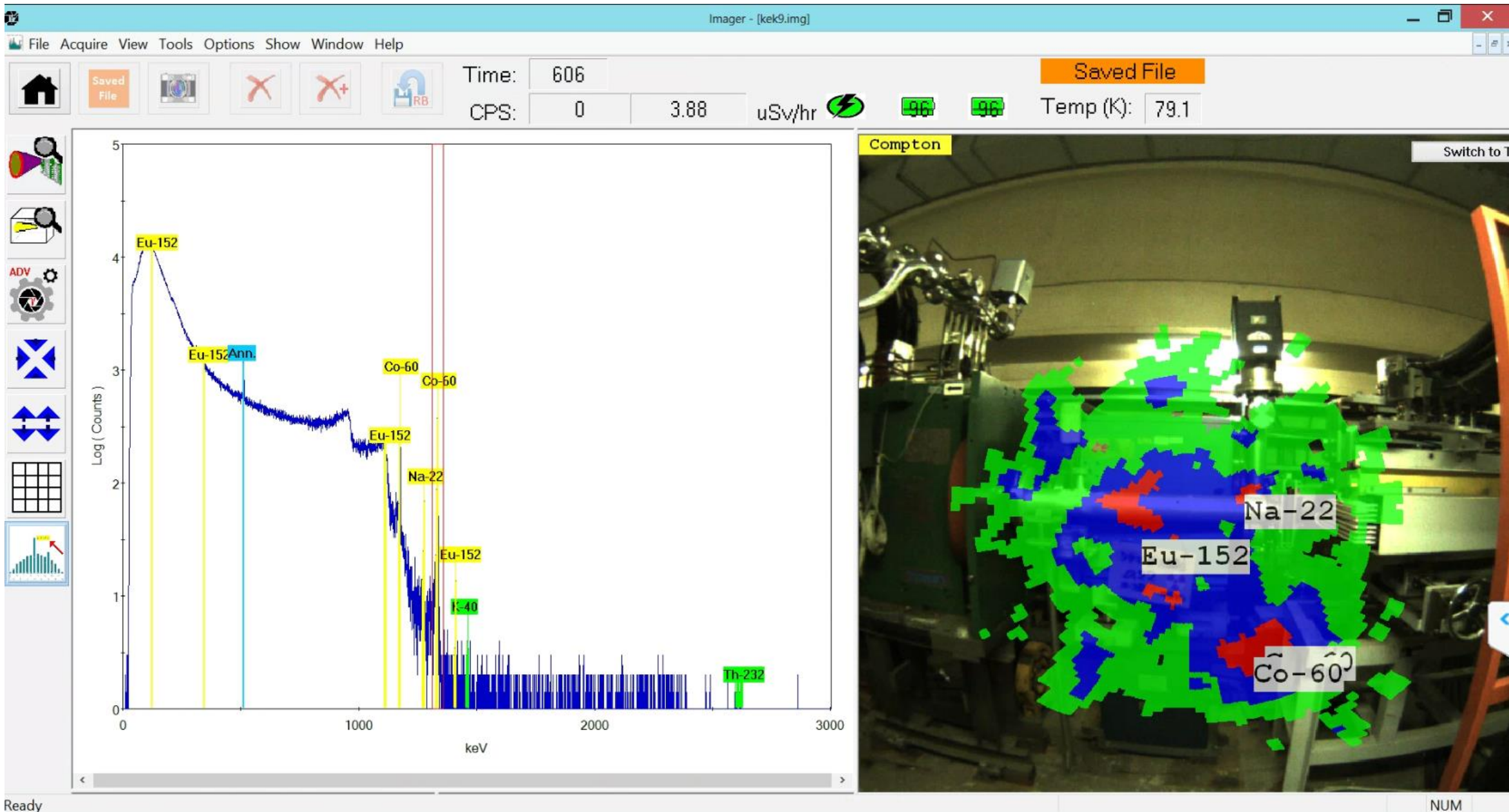


# 測定9

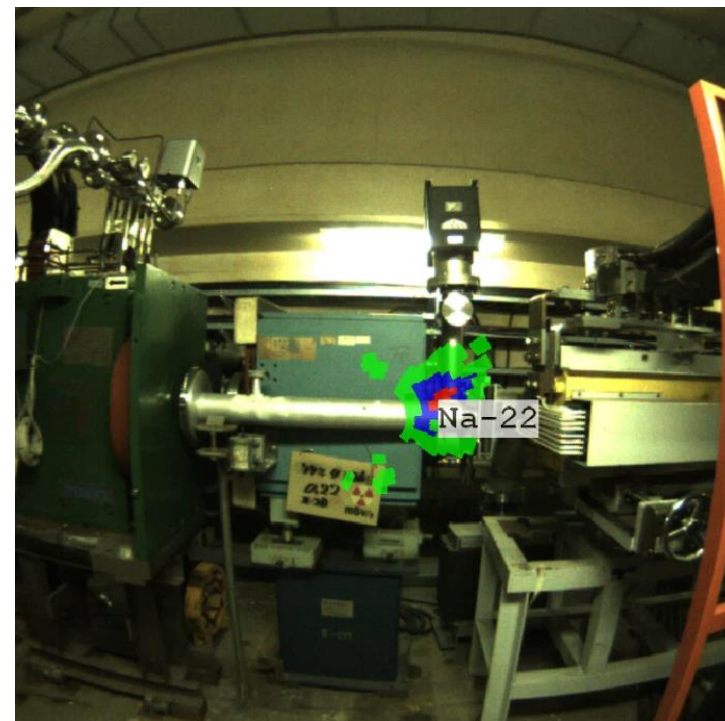
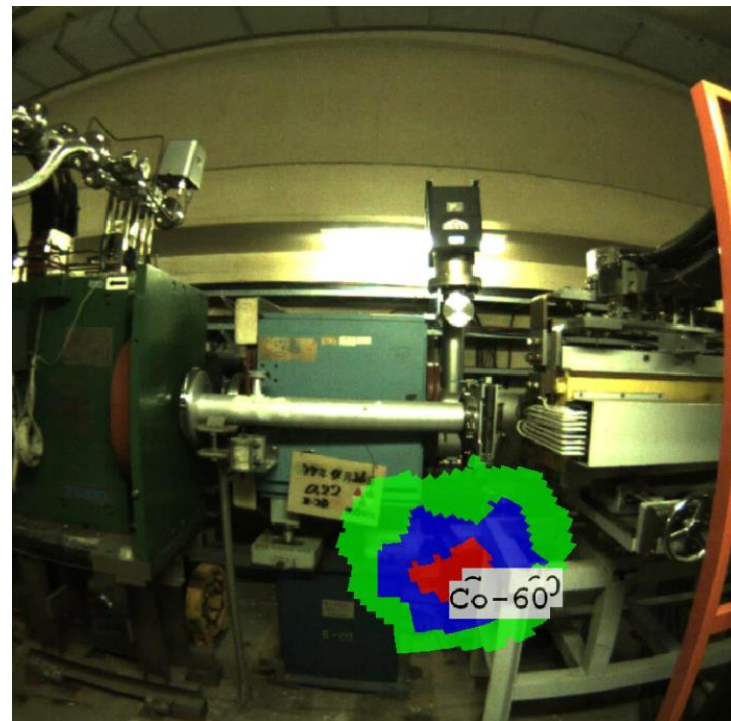
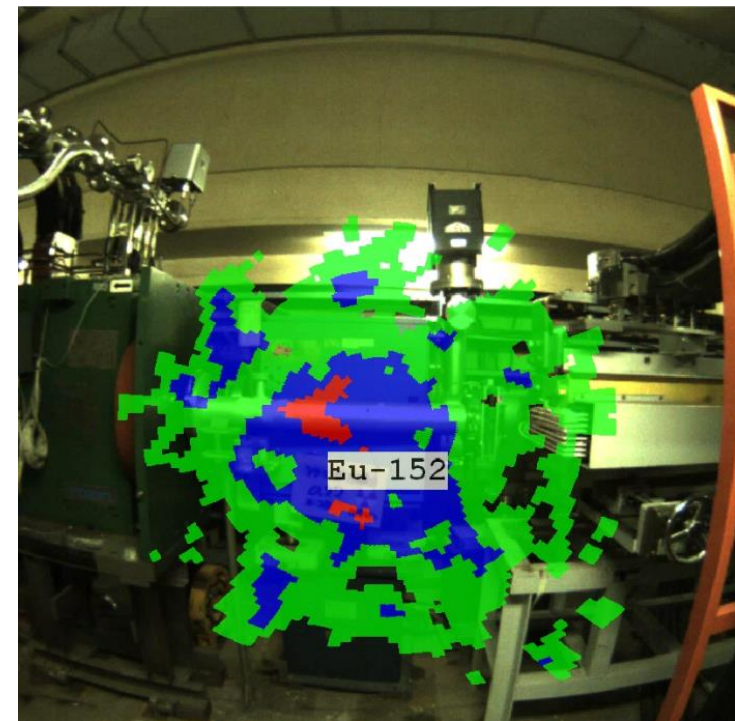
測定距離 1.5m

測定時間 606秒





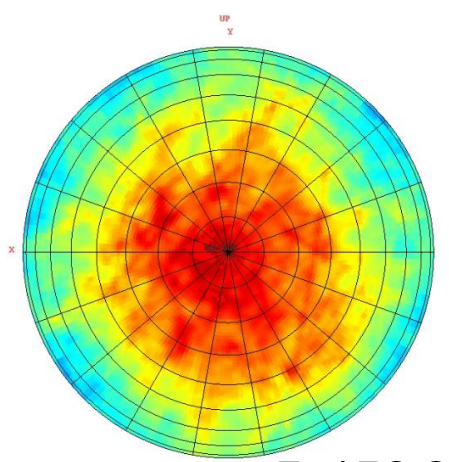




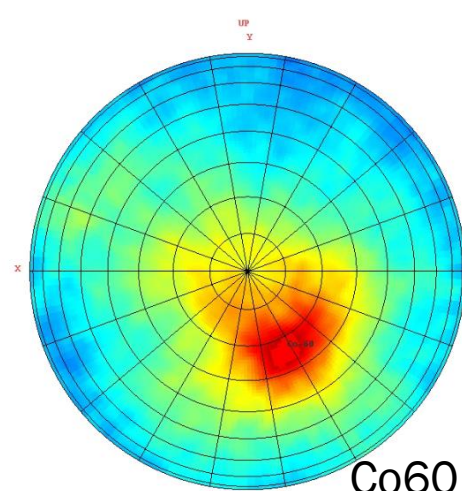
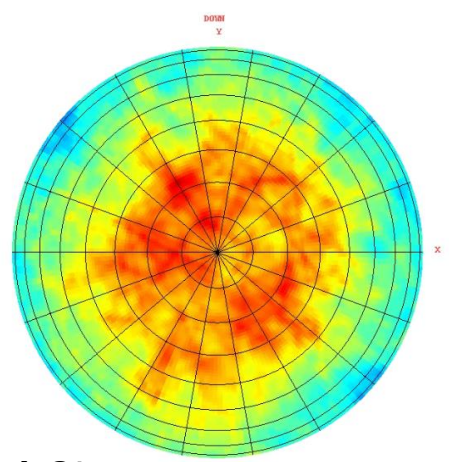
Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Eu-152	344.3	1598
<input checked="" type="checkbox"/> Co-60	1173.2	3537
<input checked="" type="checkbox"/> Co-60	1332.5	3027
<input type="checkbox"/> Ann.	511.0	1876
<input type="checkbox"/> K-40	1460.8	25
<input type="checkbox"/> Eu-152	1408.0	86
<input type="checkbox"/> Eu-152	1112.1	411
<input checked="" type="checkbox"/> Na-22	1274.5	423
<input type="checkbox"/> Th-232	2614.5	1

上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
 (Power Width 40%にて)

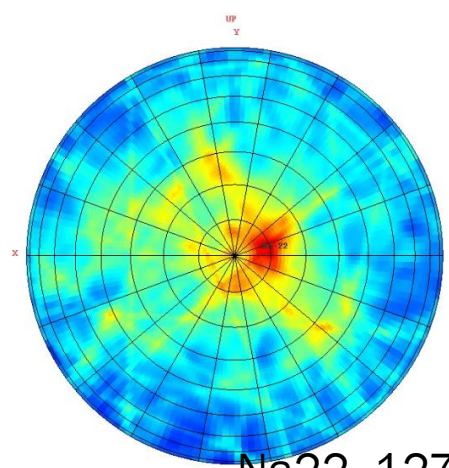
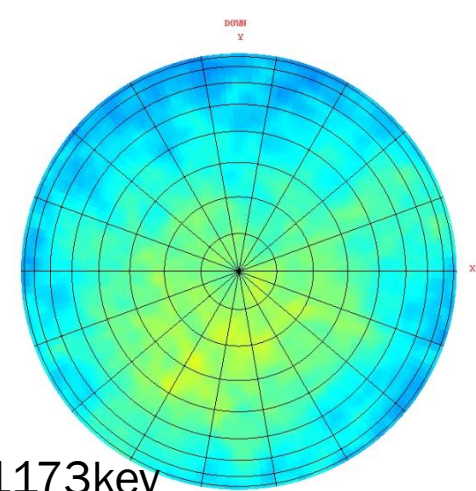




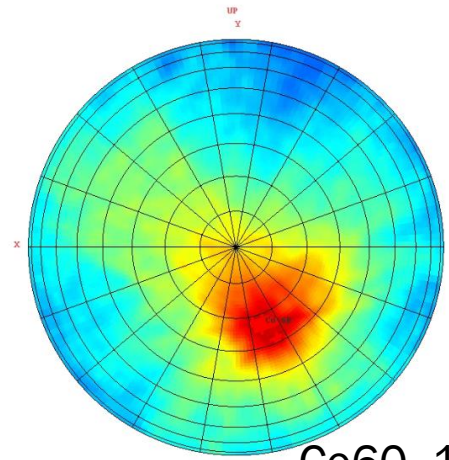
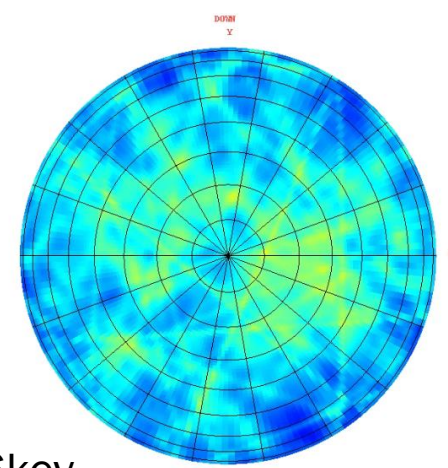
Eu152 344.3keV



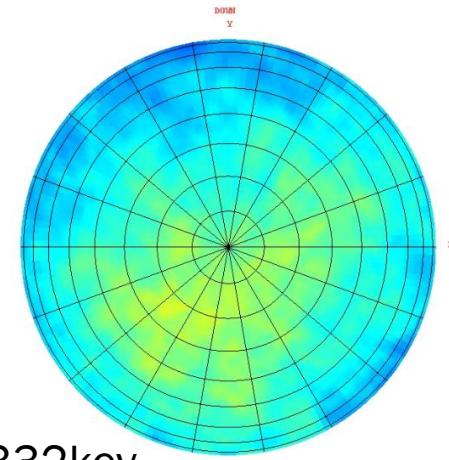
Co60 1173keV



Na22 1276keV



Co60 1332keV

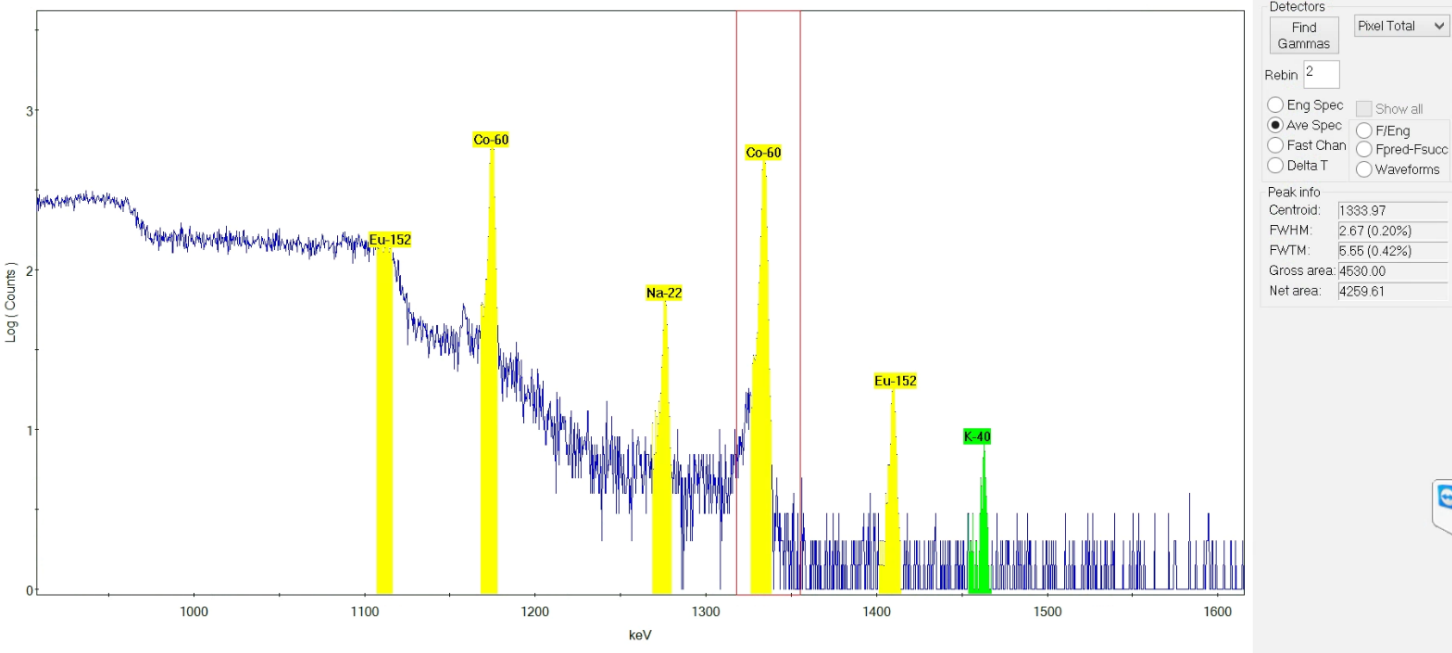


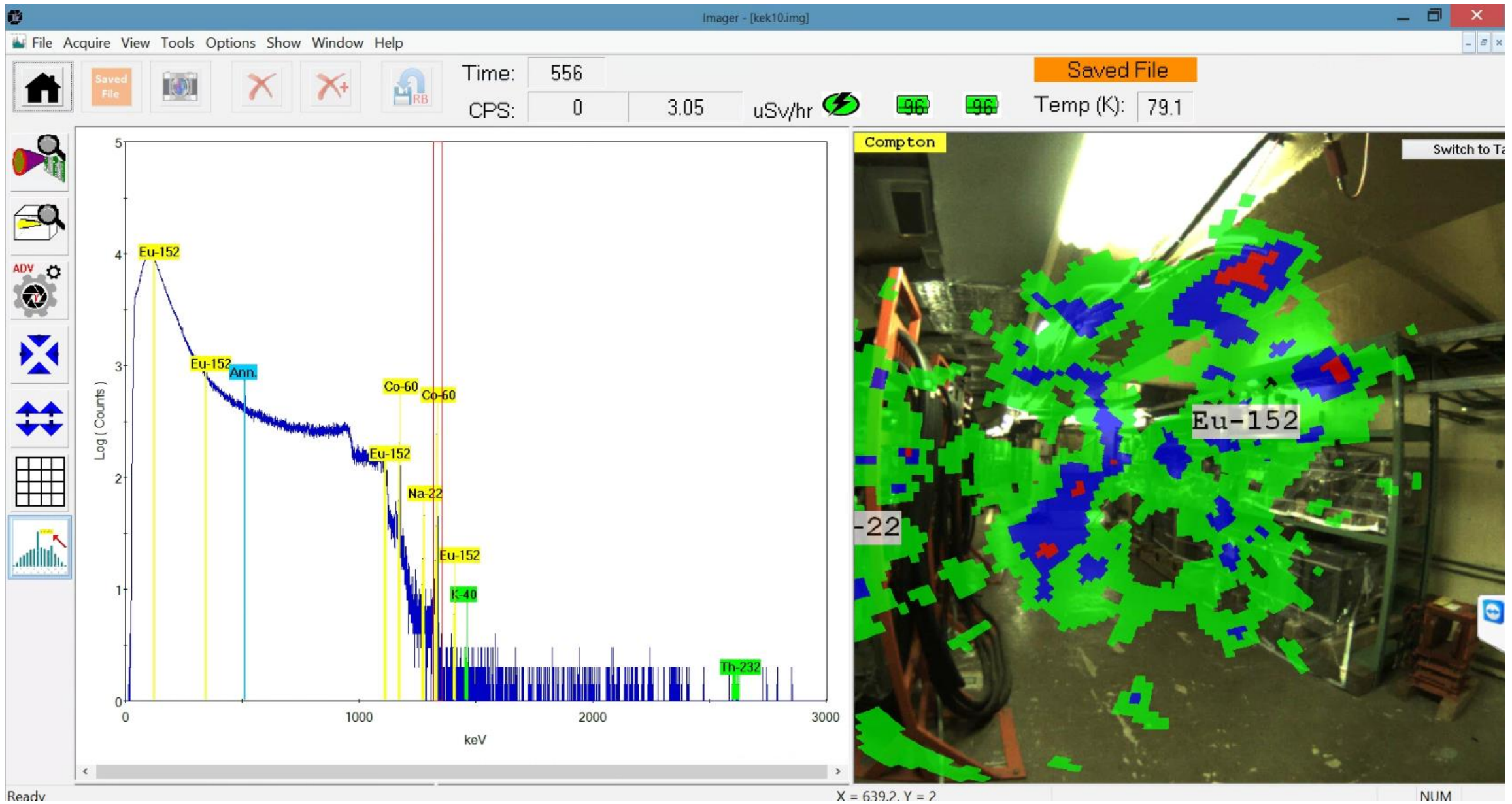


# 測定10

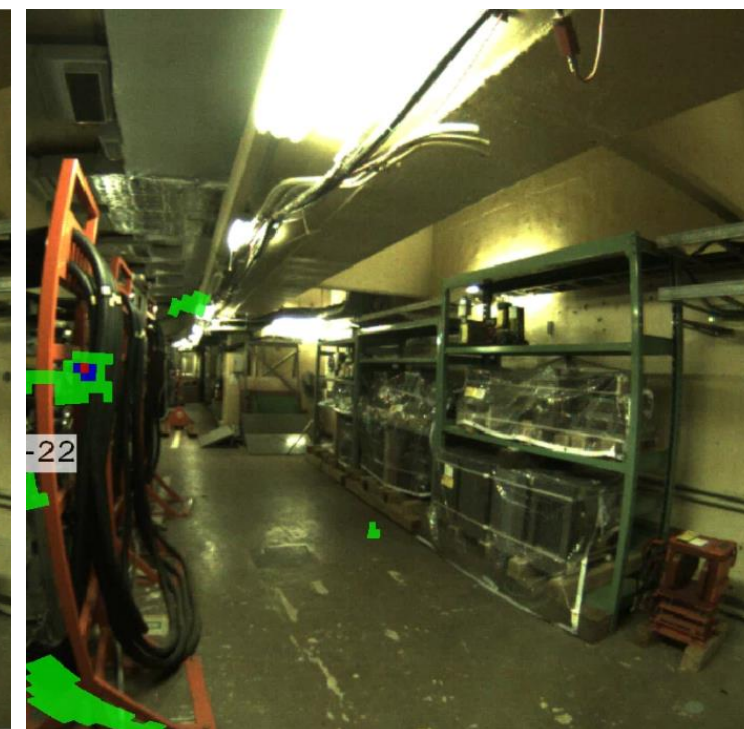
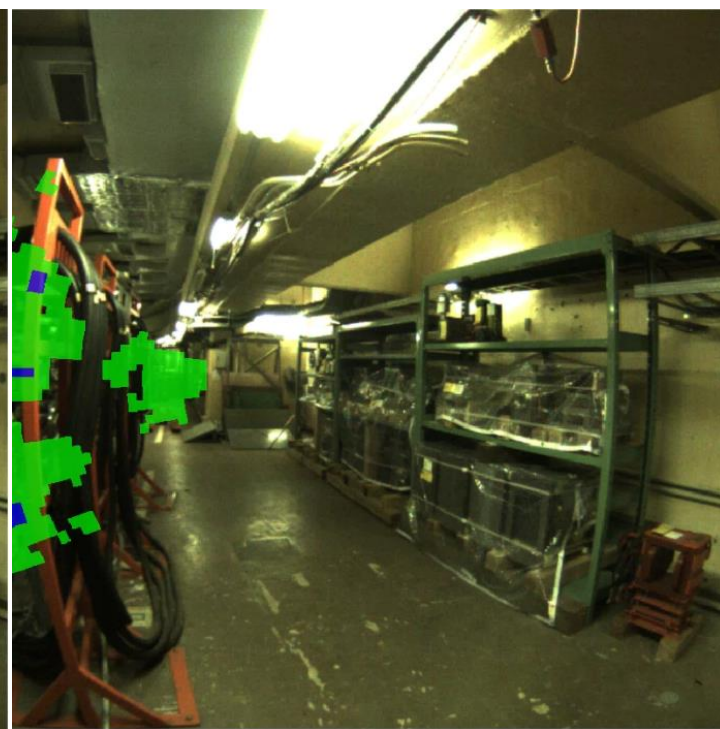
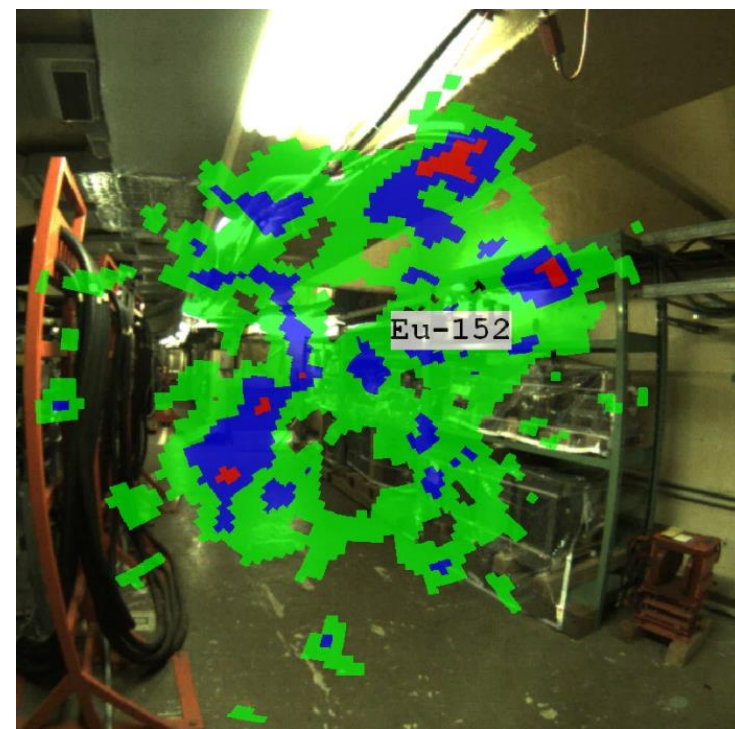
測定距離 1.5m

測定時間 556秒



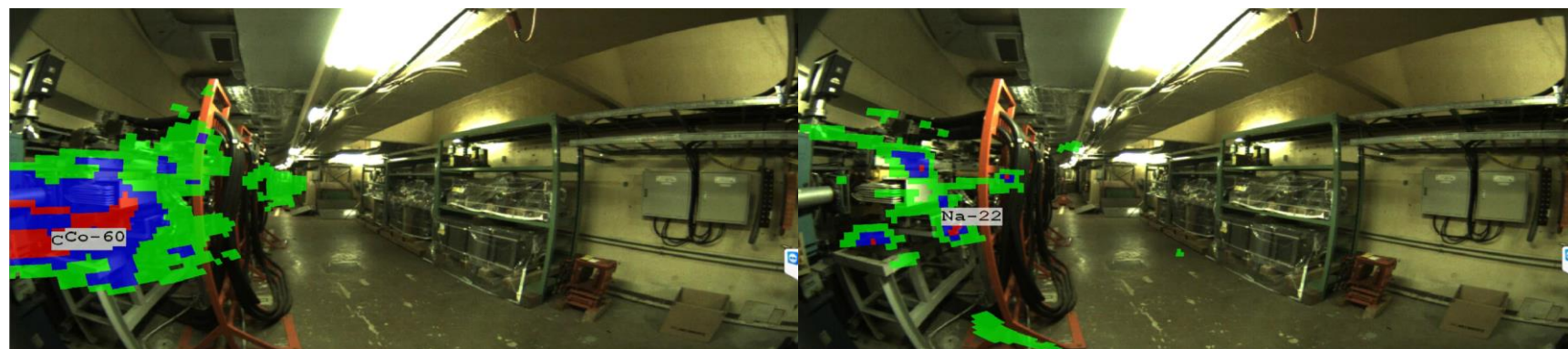






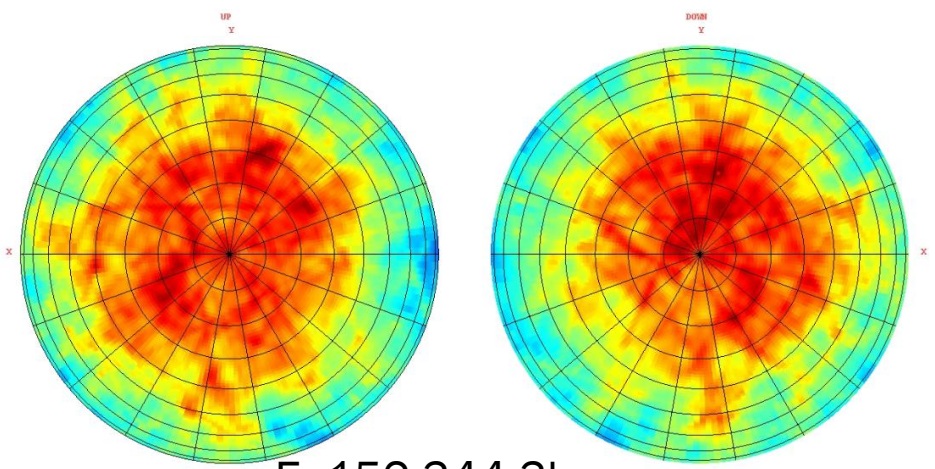
Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Eu-152	344.3	1244
<input checked="" type="checkbox"/> Co-60	1173.2	2317
<input checked="" type="checkbox"/> Co-60	1332.5	2023
<input type="checkbox"/> Ann.	511.0	1054
<input type="checkbox"/> K-40	1460.8	18
<input type="checkbox"/> Eu-152	1408.0	81
<input type="checkbox"/> Eu-152	1112.1	334
<input checked="" type="checkbox"/> Na-22	1274.5	268
<input type="checkbox"/> Th-232	2614.5	0

上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
(Power Width 40%にて)



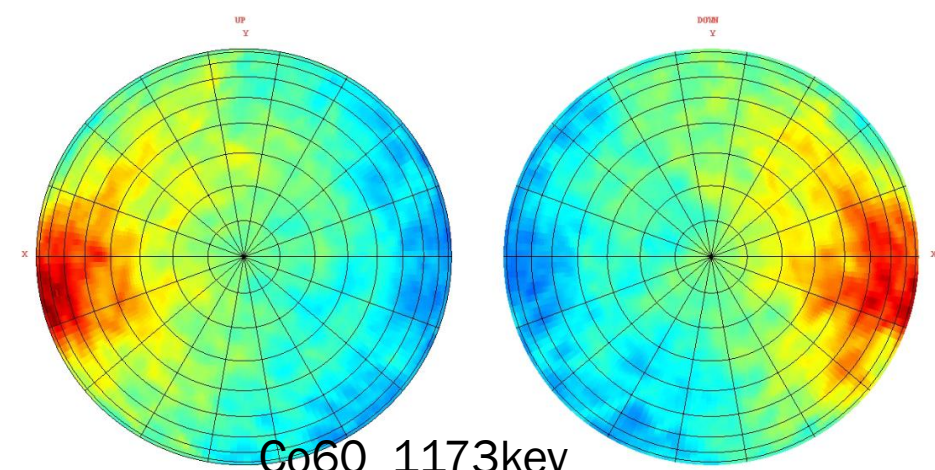


Eu-152 - 344.3 Event:1244



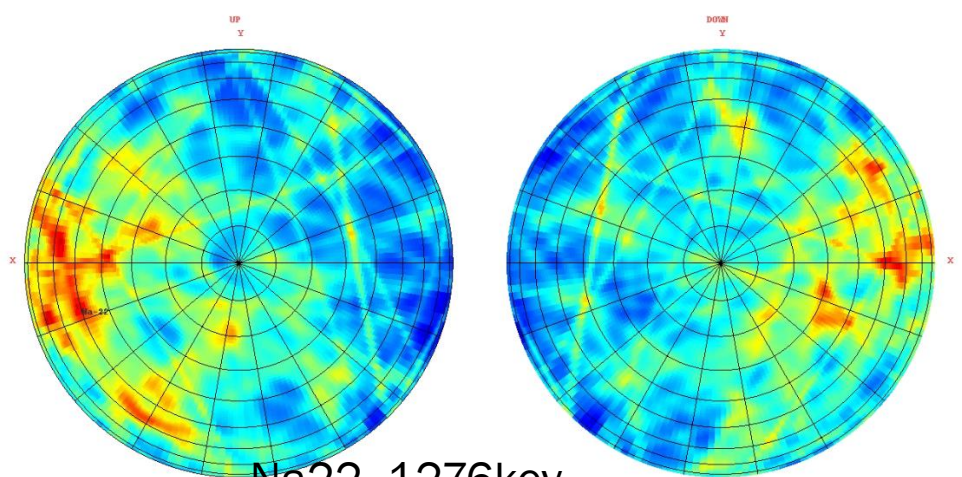
Eu152 344.3kev

Co-60 - 1173.2 Event:2317



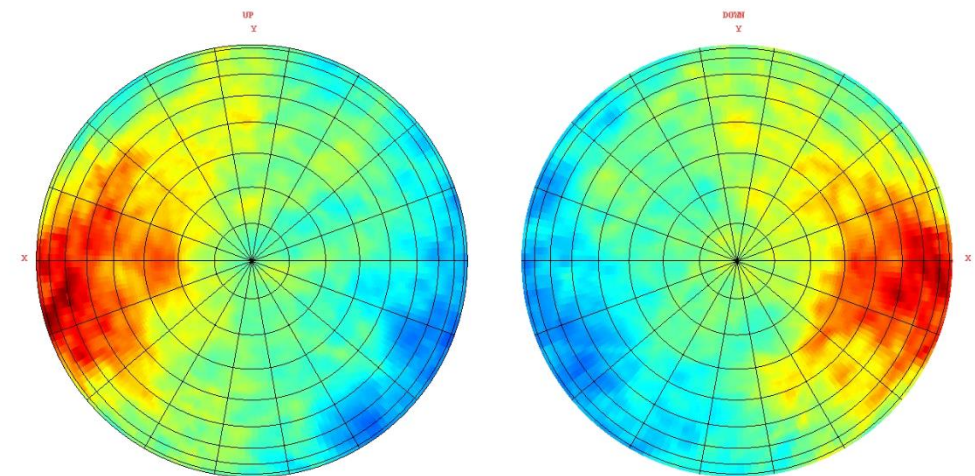
Co60 1173kev

Na-22 - 1274.5 Event:268



Na22 1276kev

Co-60 - 1332.5 Event:2023



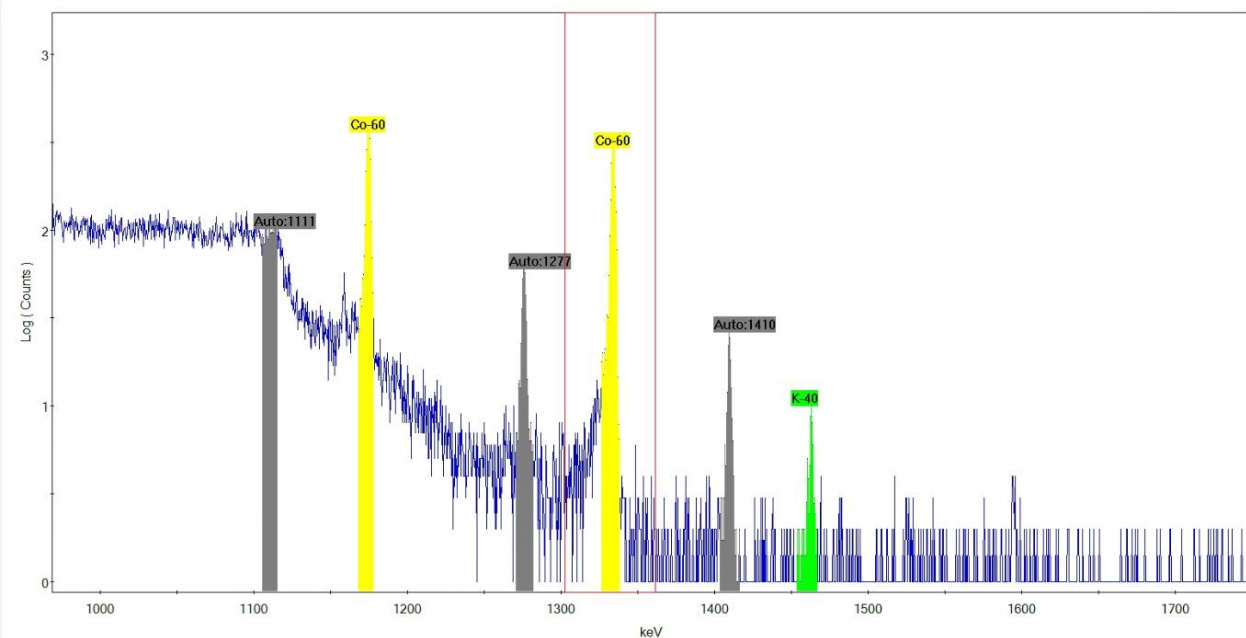
Co60 1332kev



# 測定11

測定距離 5.0m

測定時間 624秒



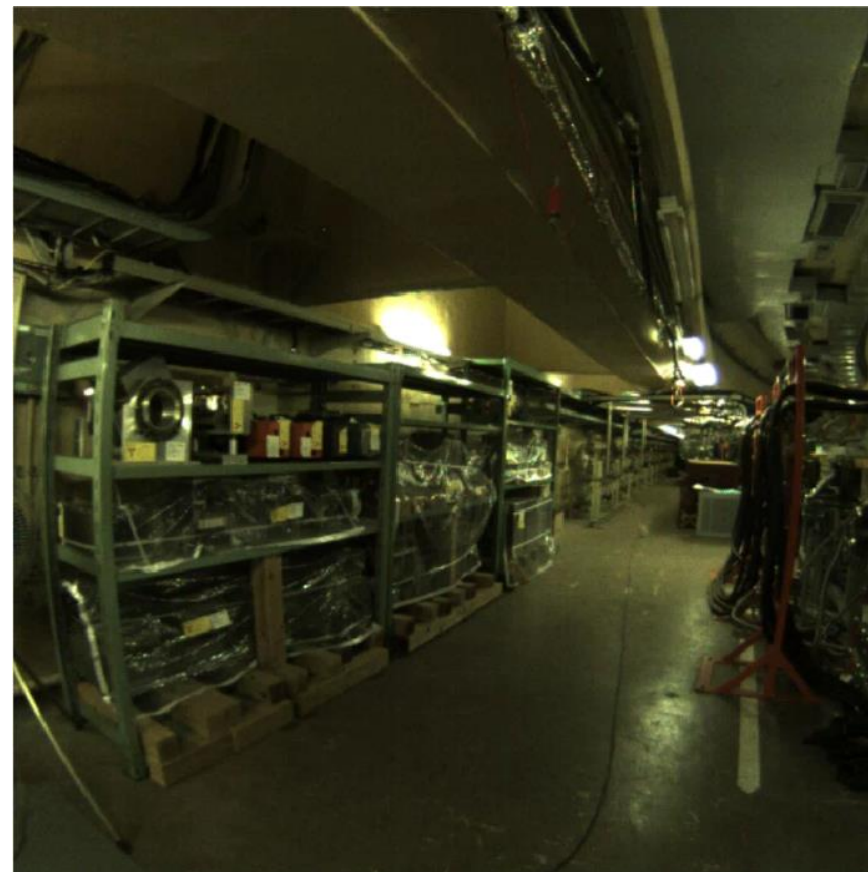
Detectors  
Find  
Gammas Pixel Total

Rebin 2

Eng Spec  Show all  
 Ave Spec  F/Eng  
 Fast Chan  Fpred-Fsucc  
 Delta T  Waveforms

Peak Info

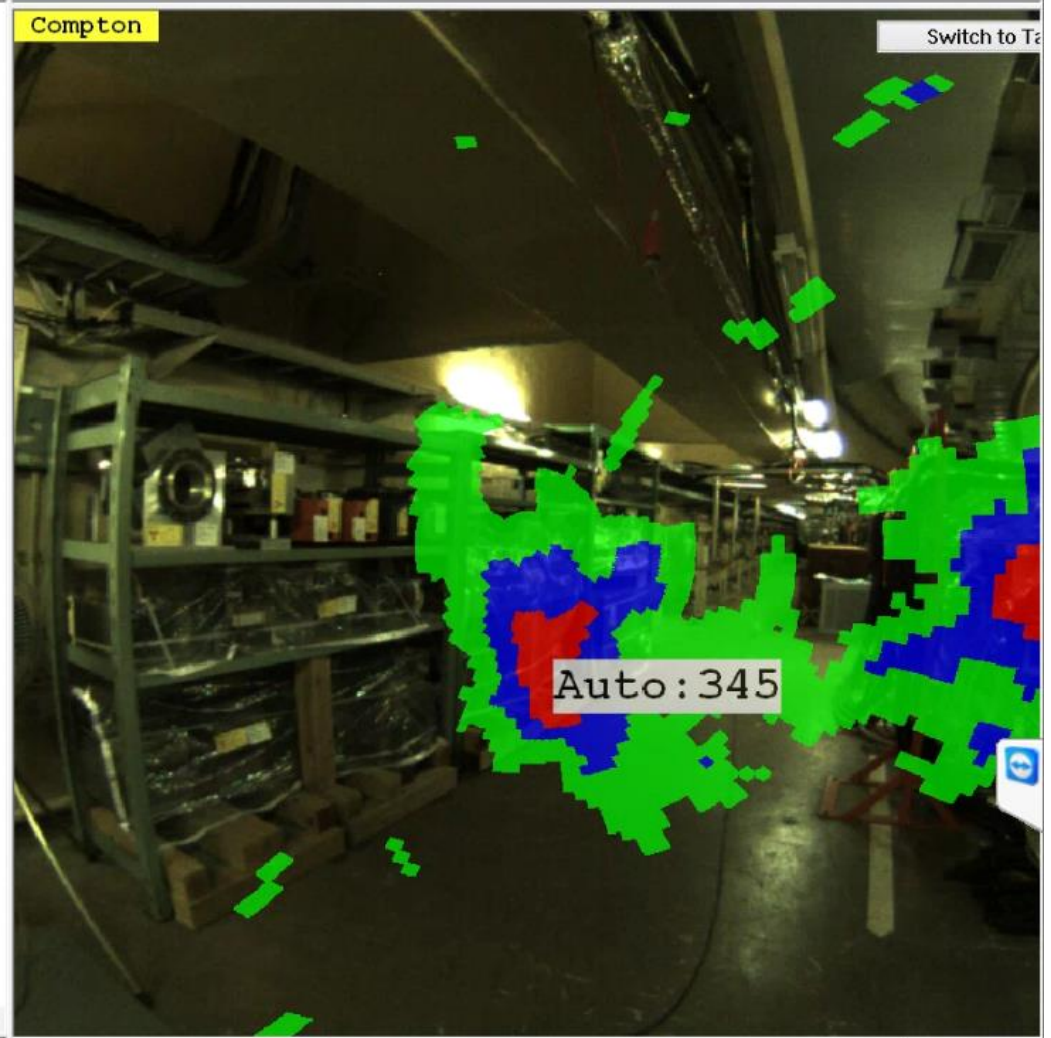
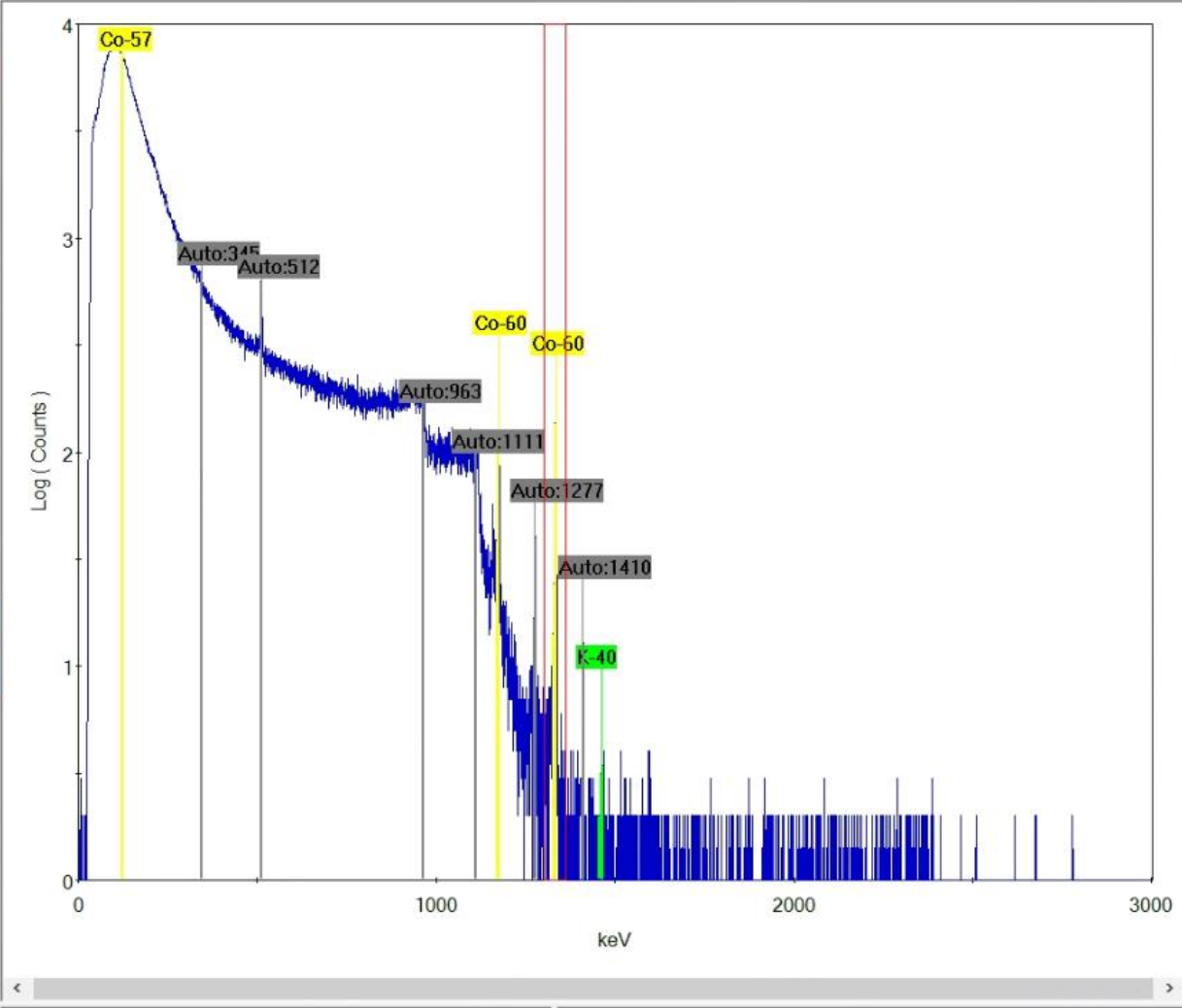
Centroid:	1334.01
FWHM:	2.83 (0.21%)
FWTM:	6.68 (0.50%)
Gross area:	2956.00
Net area:	2824.69



Time: 624

Saved File

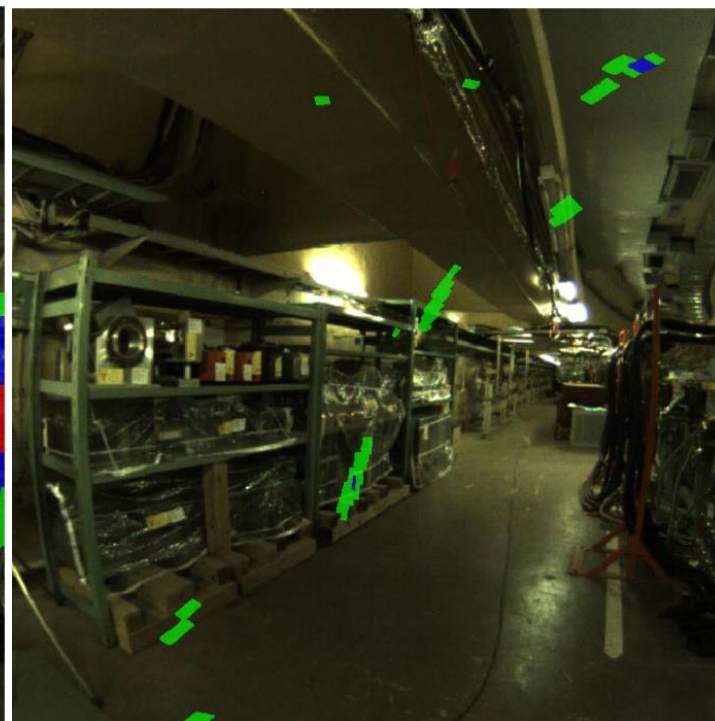
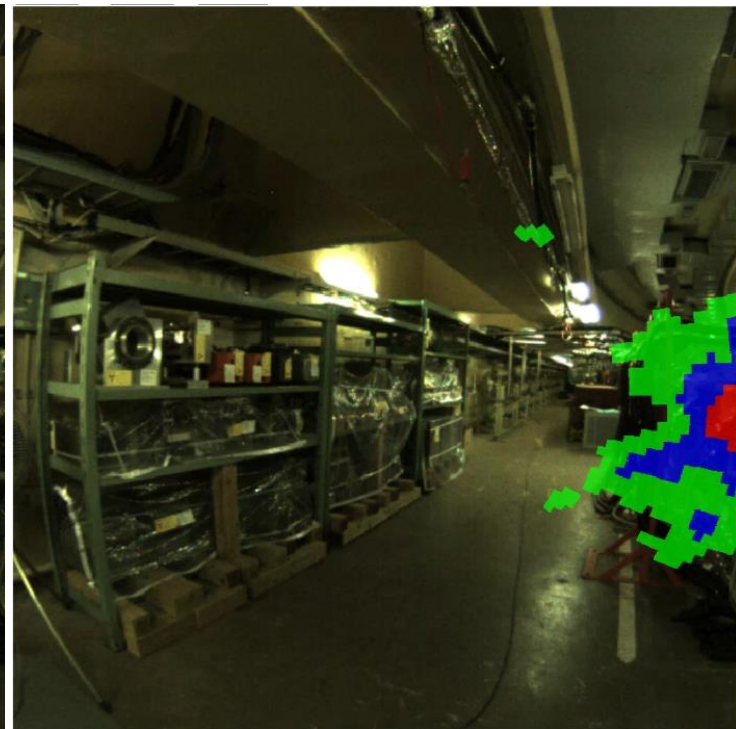
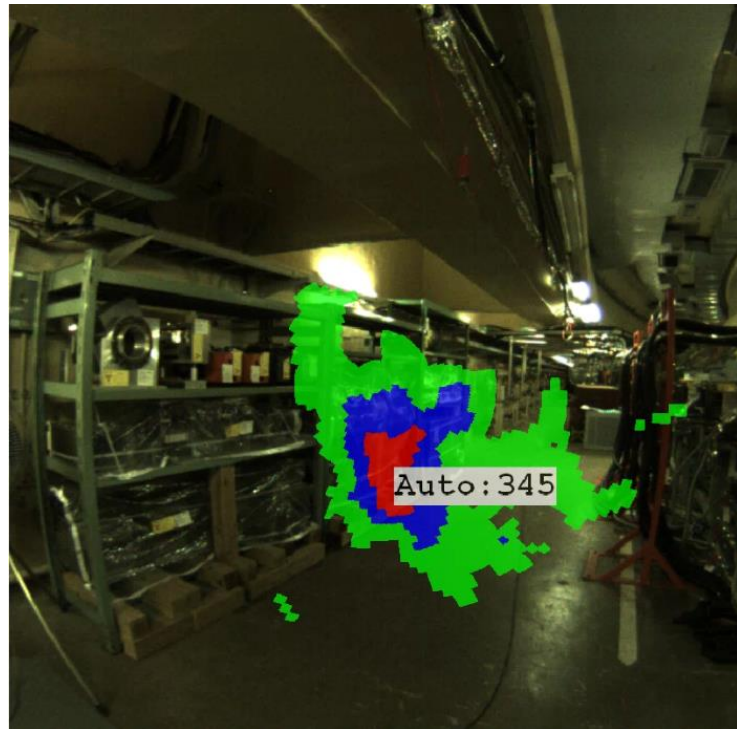
CPS: 0 1.86 uSv/hr Temp (K): 79.1



Ready

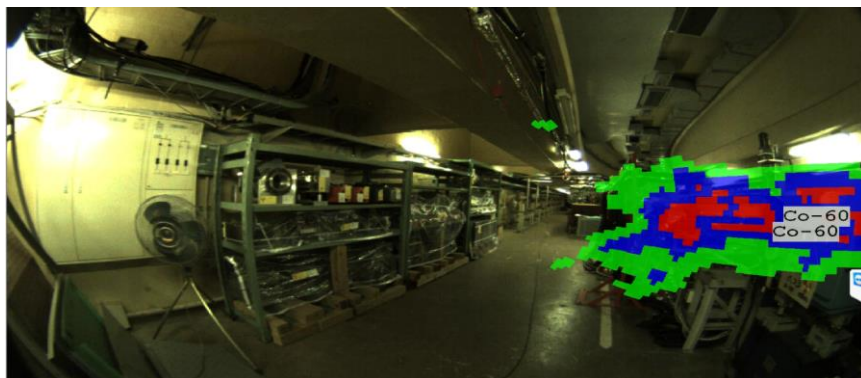
NUM



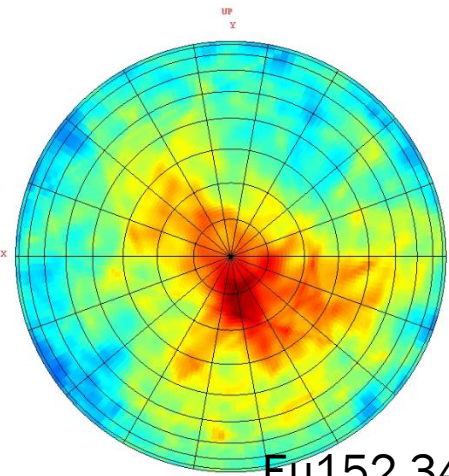


Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Co-60	1173.2	1392
<input checked="" type="checkbox"/> Co-60	1332.5	1284
<input checked="" type="checkbox"/> Auto:345	344.8	823
<input type="checkbox"/> Auto:512	511.8	583
<input type="checkbox"/> Auto:963	963.0	145
<input type="checkbox"/> Auto:1111	1110.9	98
<input checked="" type="checkbox"/> Auto:1277	1276.8	53
<input type="checkbox"/> K-40	1460.8	10
<input type="checkbox"/> Auto:1410	1410.5	19

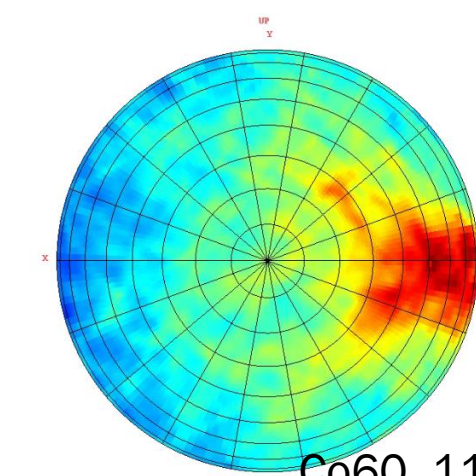
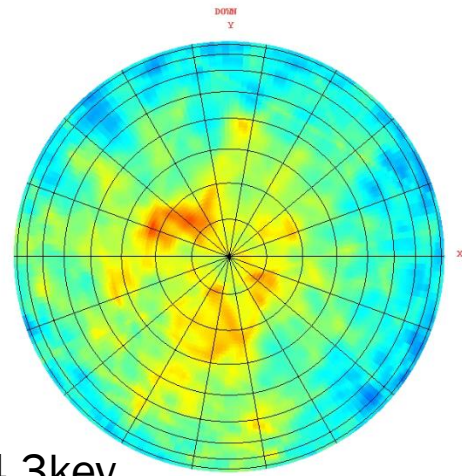
上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
(Power Width 40%にて)



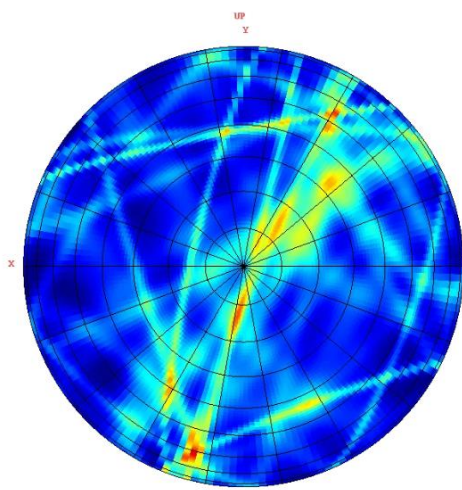
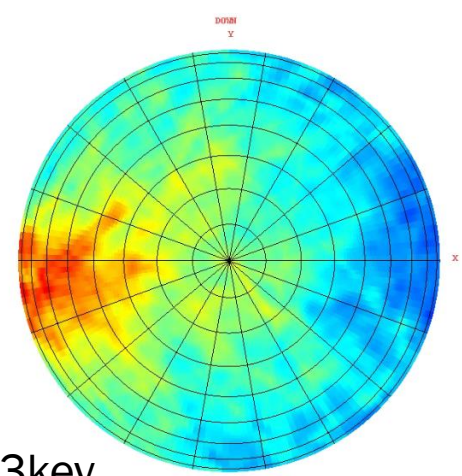




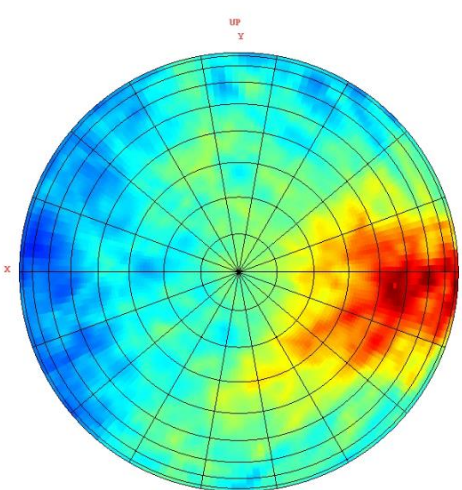
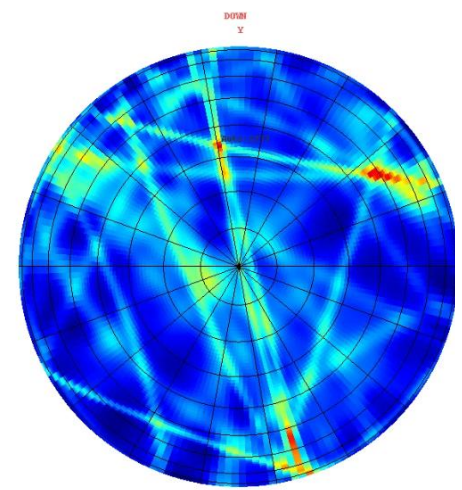
Eu152 344.3keV



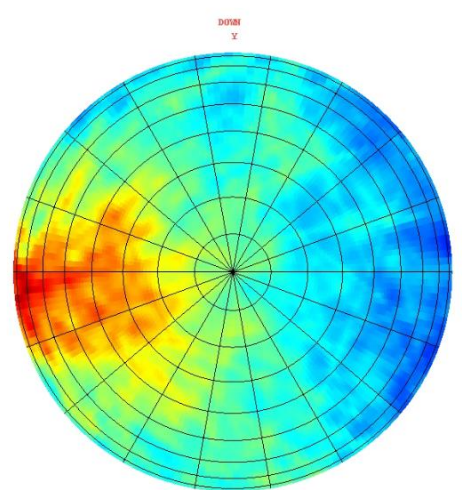
Co60 1173keV



Na22 1276keV



Co60 1332keV

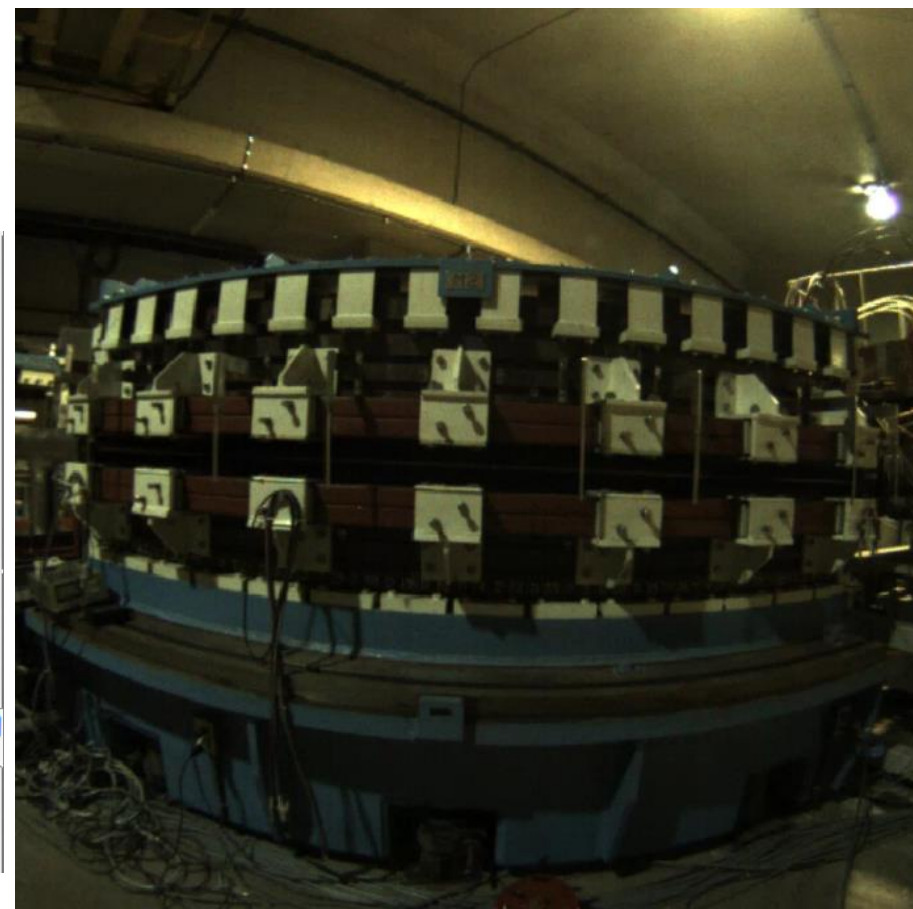
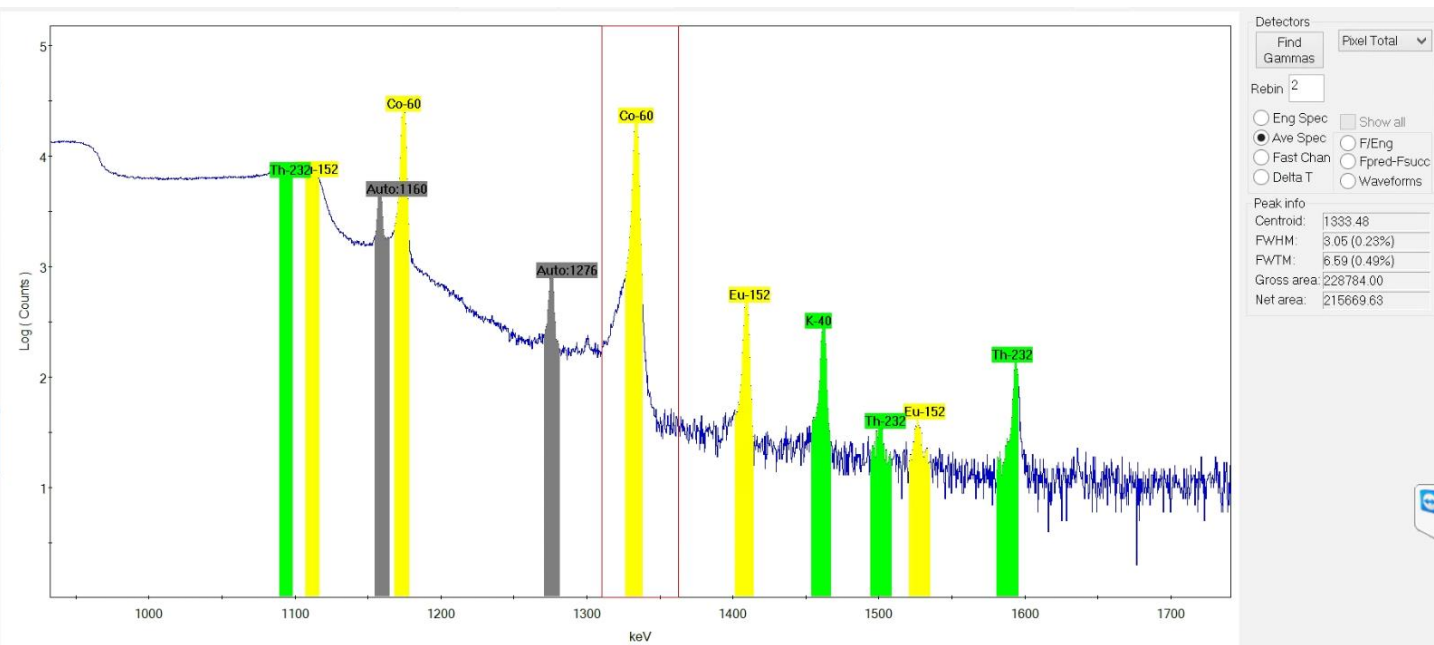


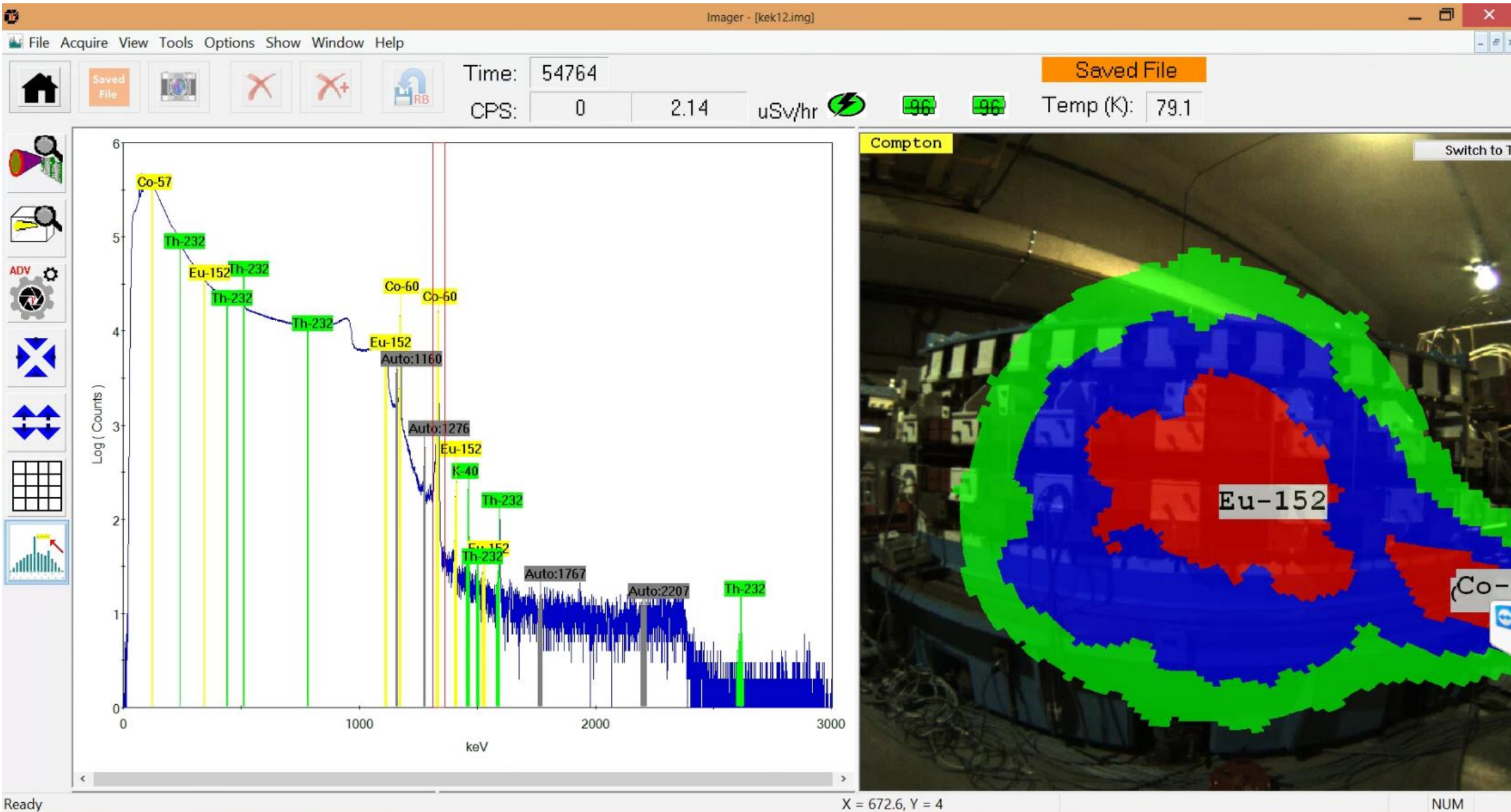


# 測定12 (夜間測定)

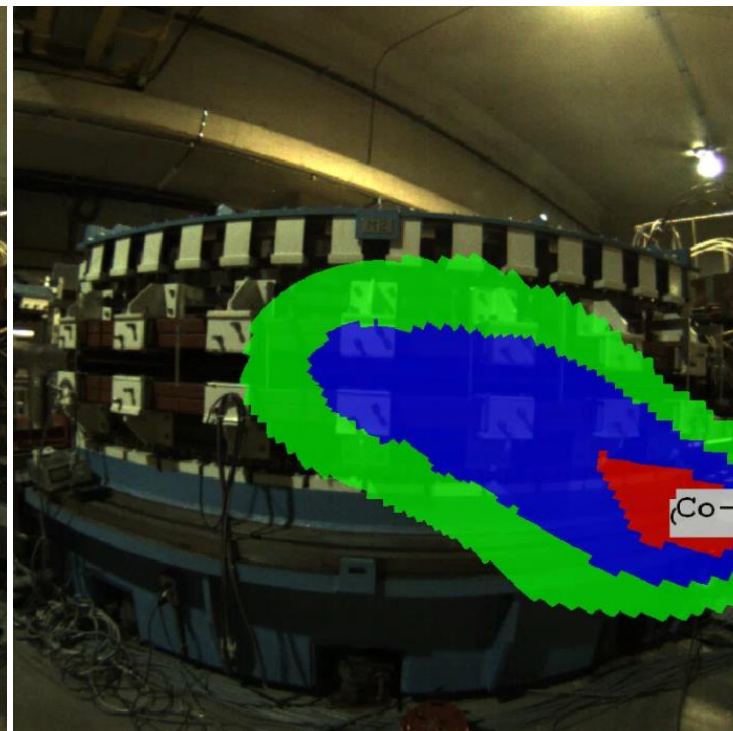
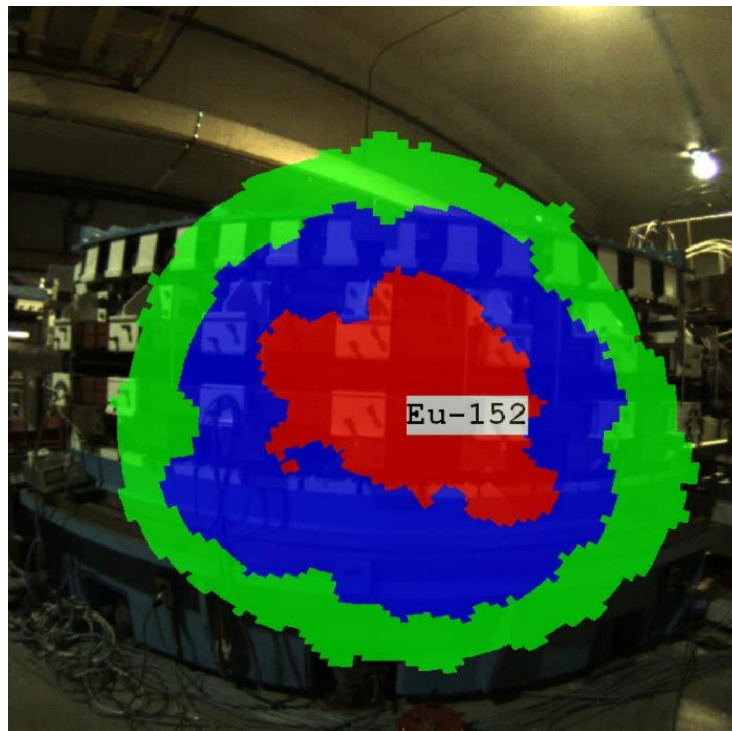
測定距離 1.5m

測定時間 54764秒



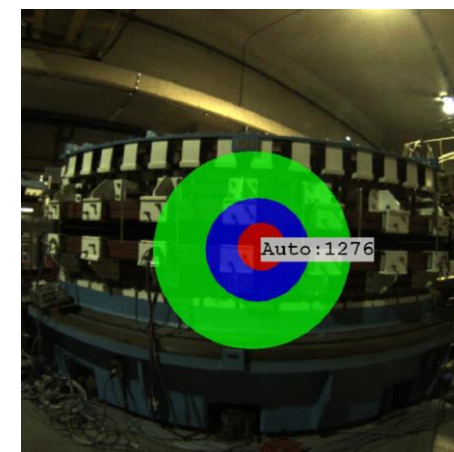
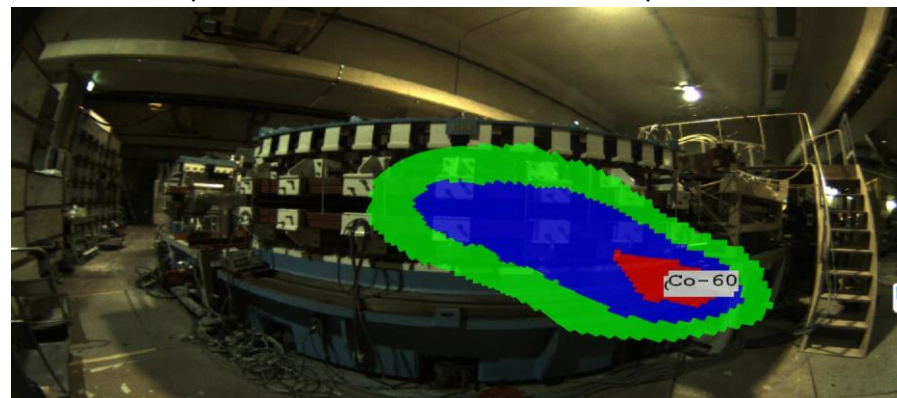




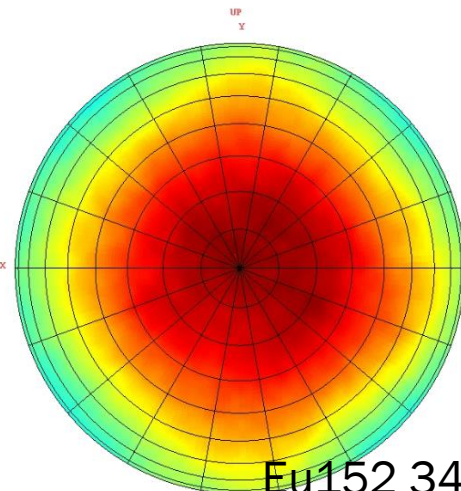


Isotope	Energy (ke...)	Events
<input checked="" type="checkbox"/> Co-60	1173.2	116776
<input checked="" type="checkbox"/> Co-60	1332.5	101334
<input type="checkbox"/> Th-232	510.8	64721
<input checked="" type="checkbox"/> Eu-152	344.3	46958
<input type="checkbox"/> Th-232	241.0	47907
<input type="checkbox"/> Th-232	782.1	10523
<input type="checkbox"/> Th-232	2614.5	118
<input type="checkbox"/> K-40	1460.8	1723
<input type="checkbox"/> Eu-152	1408.0	2618
<input type="checkbox"/> Th-232	1588.2	113
<input type="checkbox"/> Auto:310	309.6	11182

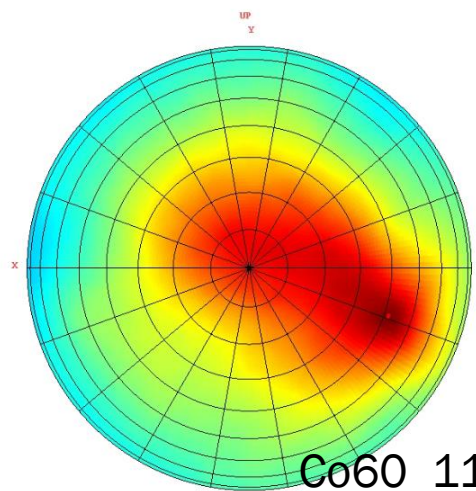
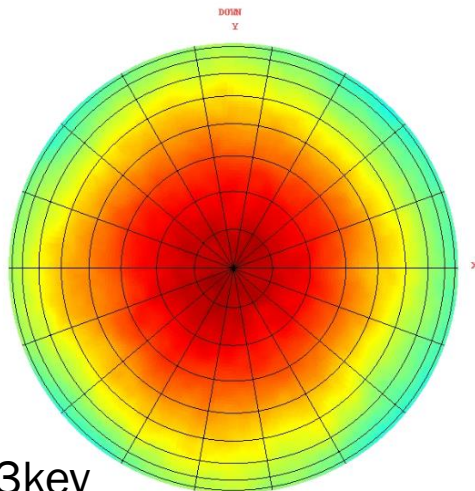
上の写真は左からEu152、Co60,Na22各核種ごとの分布を示します。  
(Power Width 40%にて)



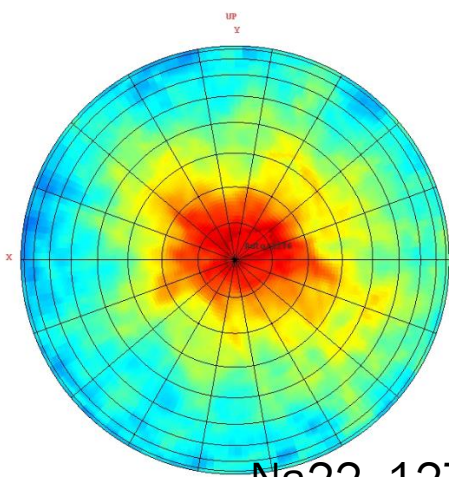
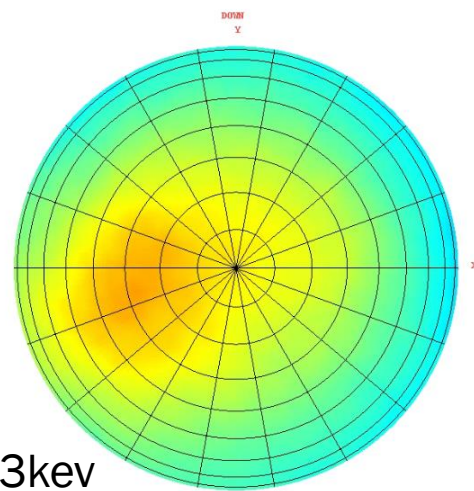




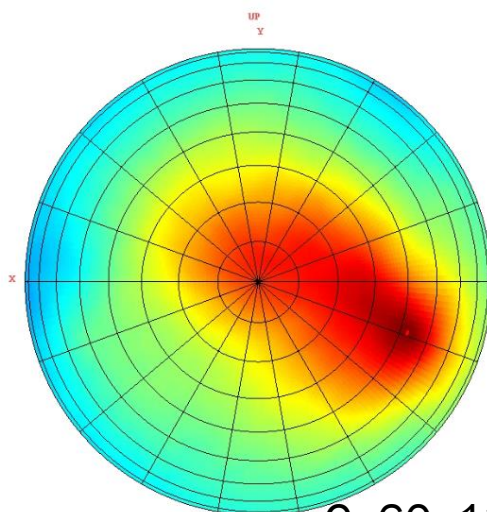
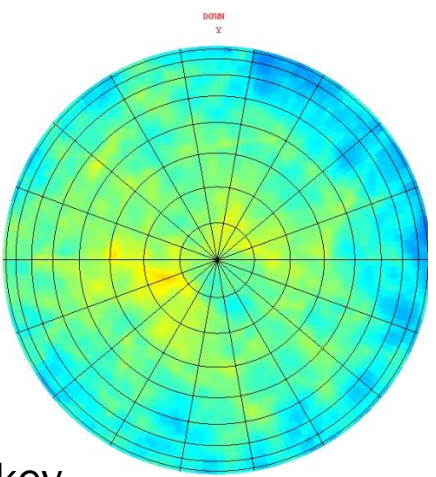
Eu152 344.3keV



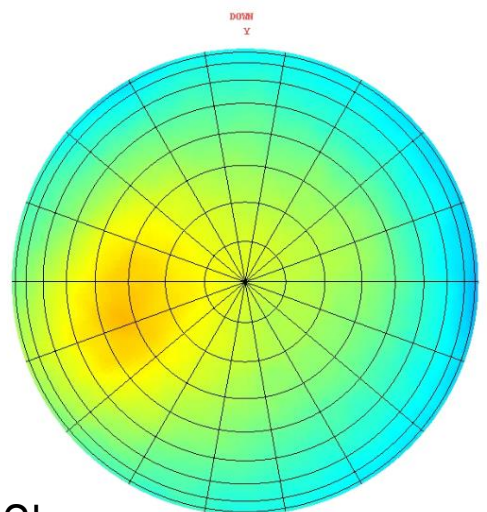
Co60 1173keV



Na22 1276keV



Co60 1332keV

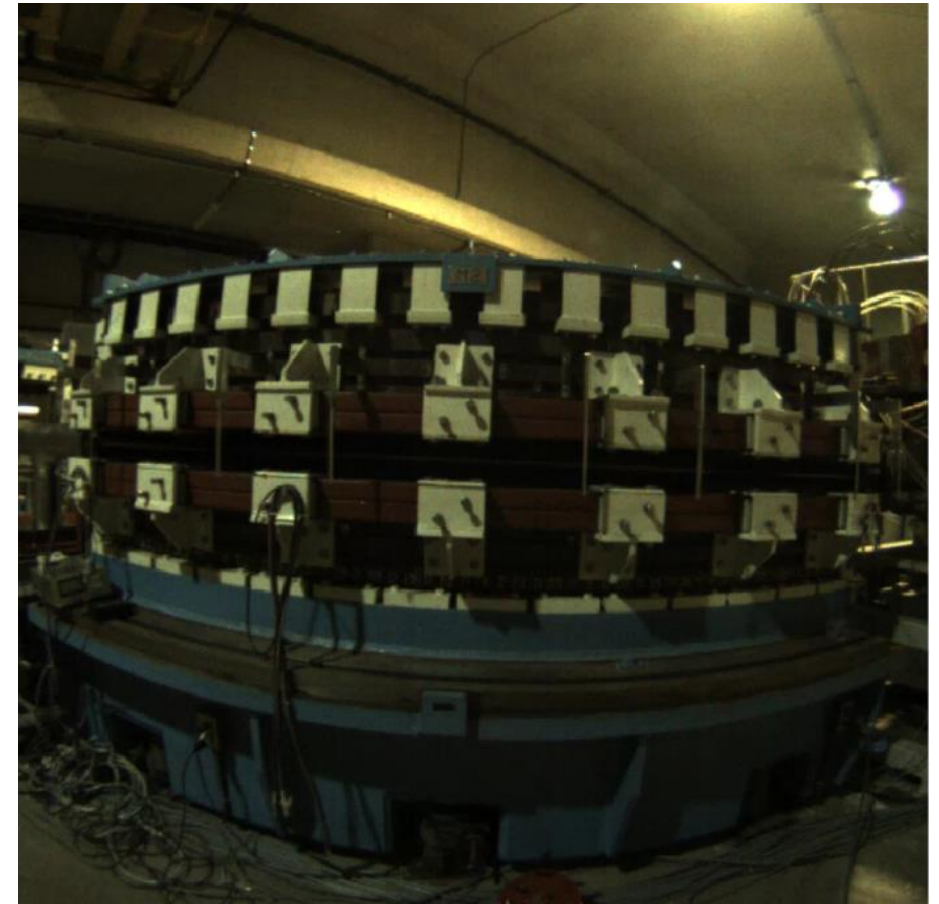
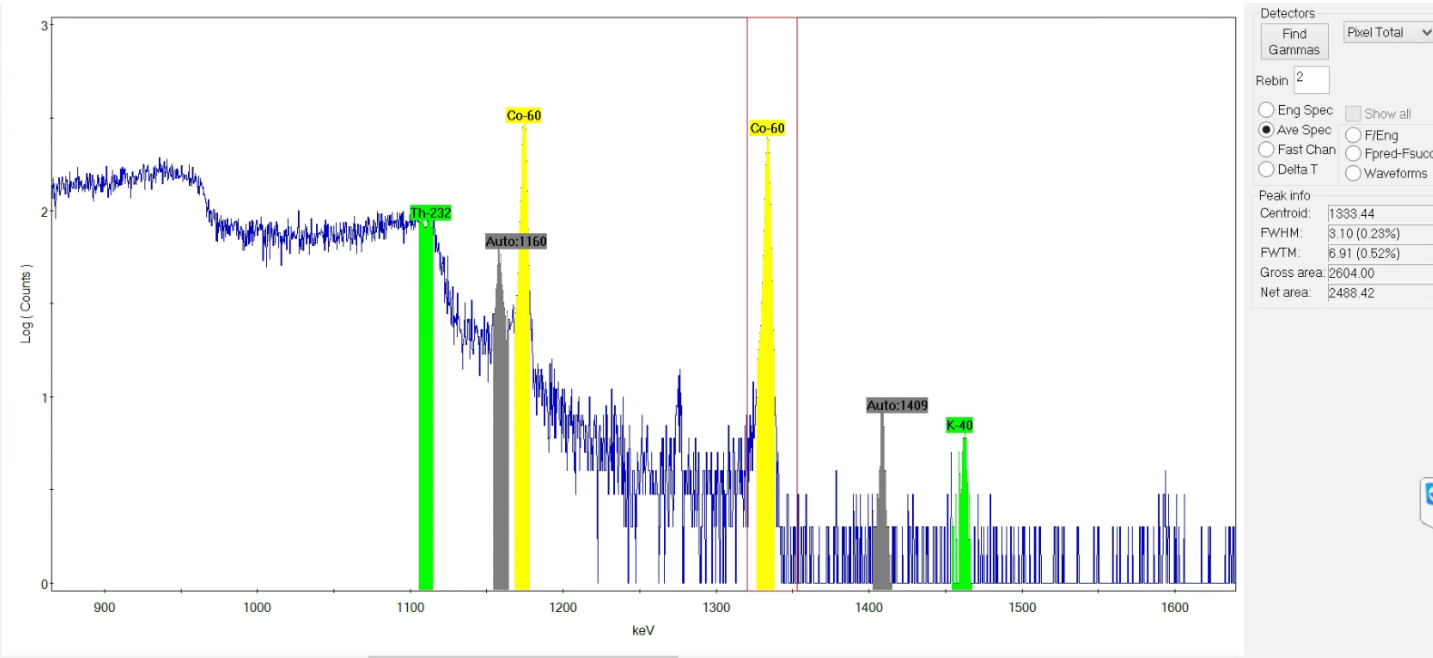




# 測定13

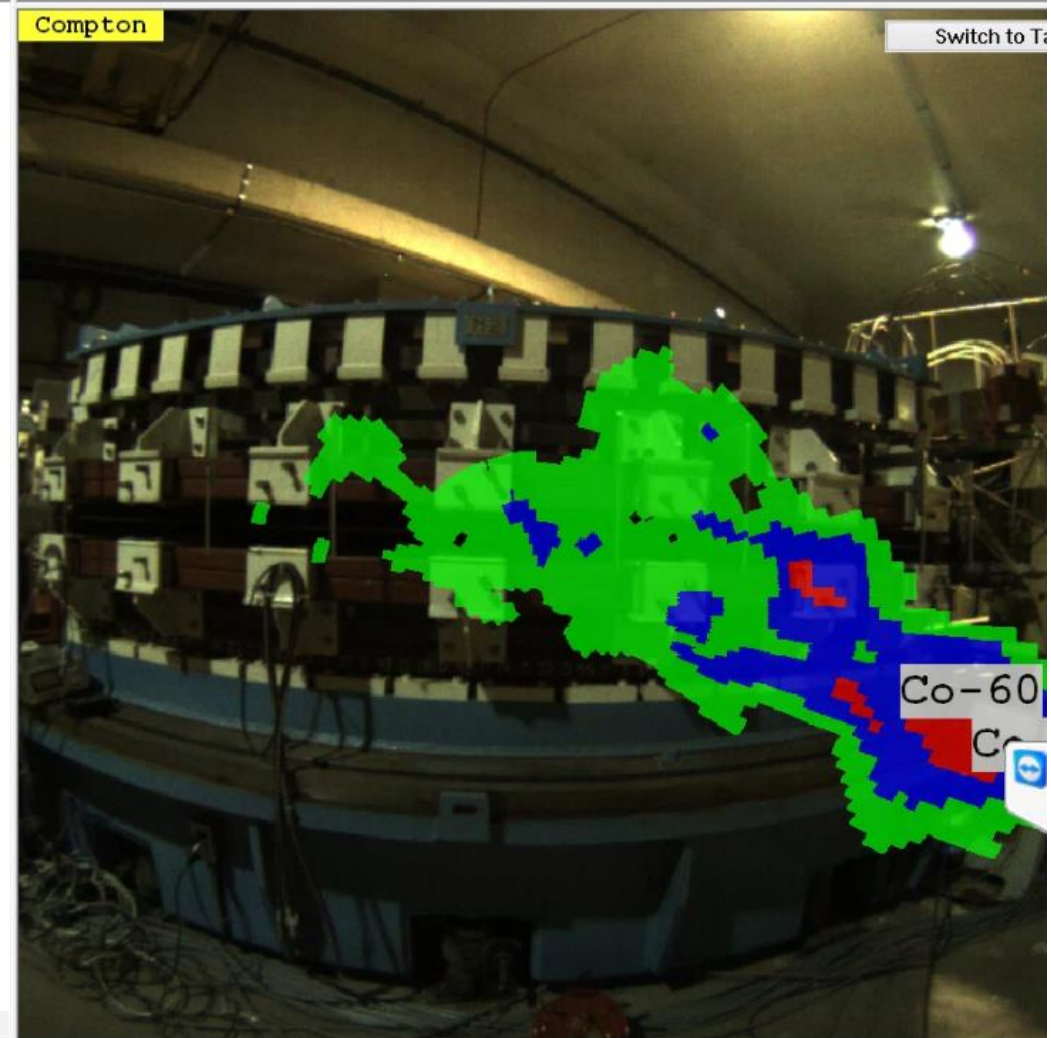
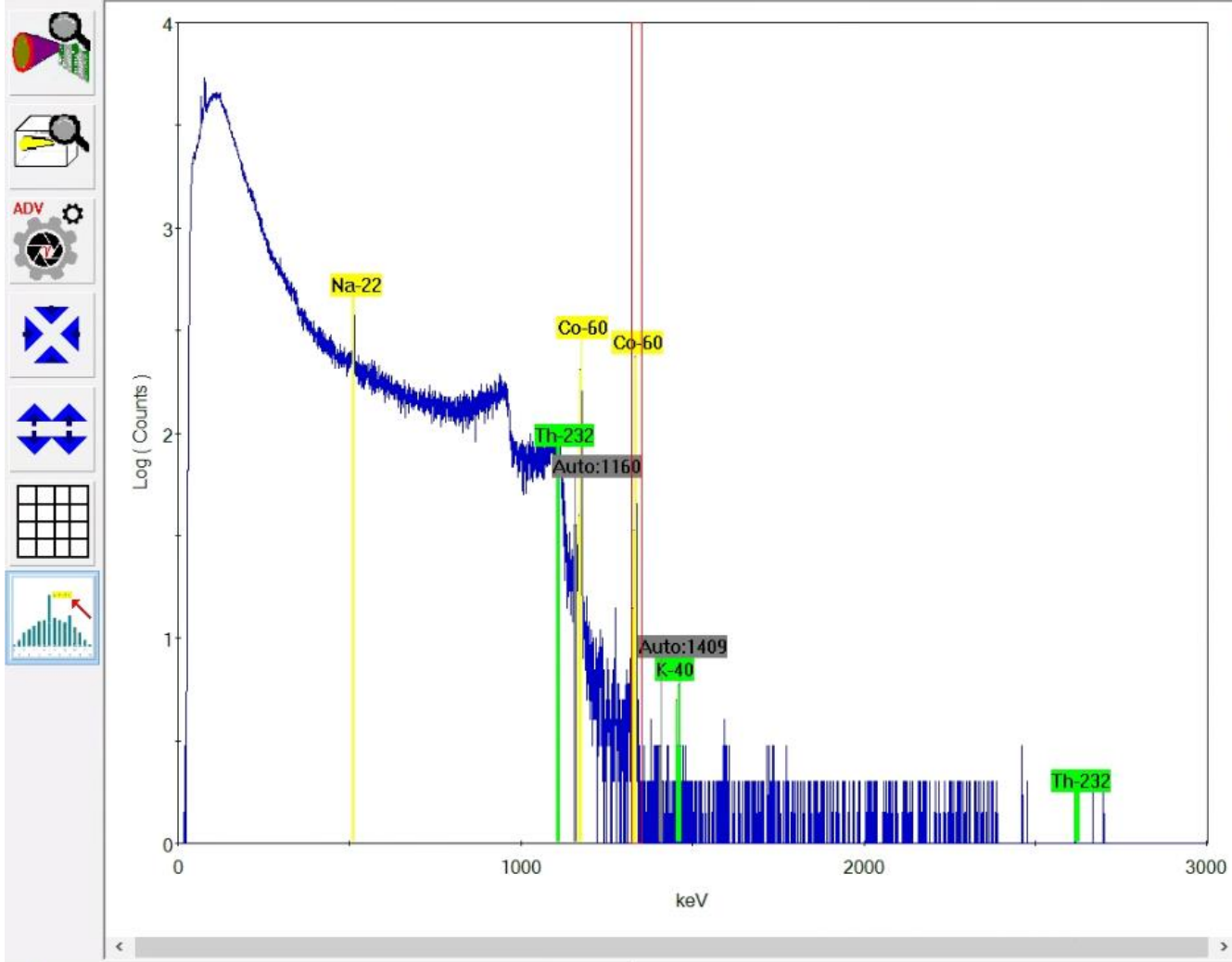
測定距離 1.5m

測定時間 616秒

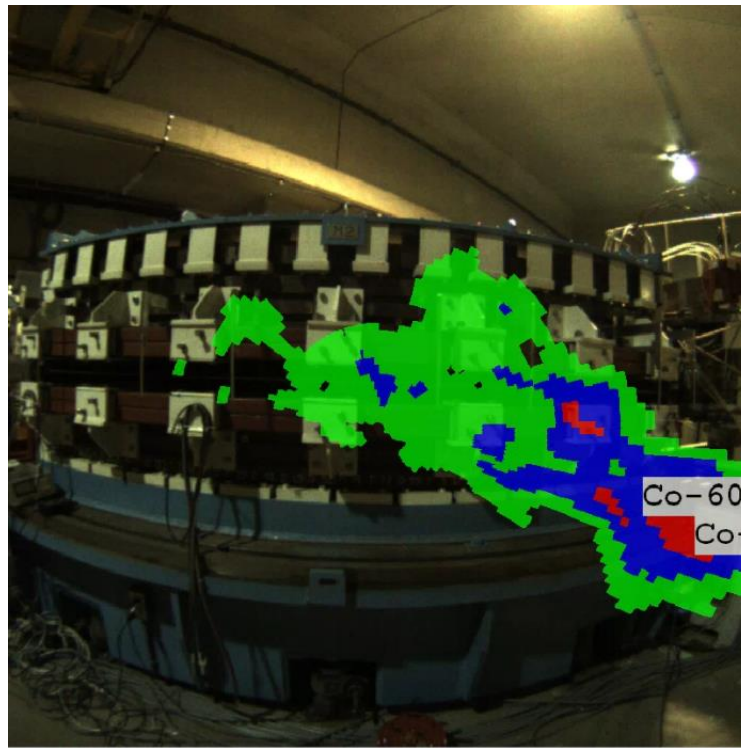


Home
Saved File
RB
 Time: 616
 Temp (K): 79.1
 Saved File

CPS: 0    2.28 uSv/hr





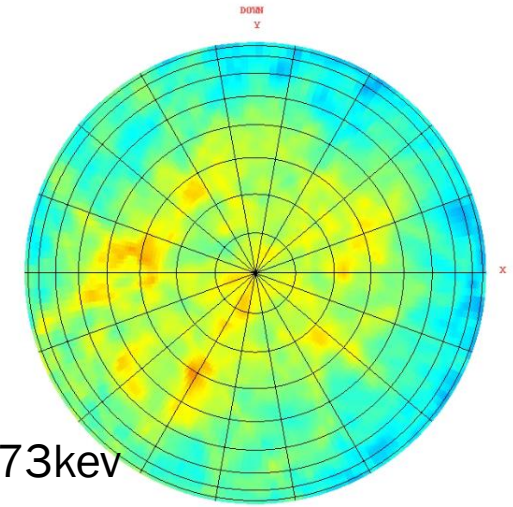
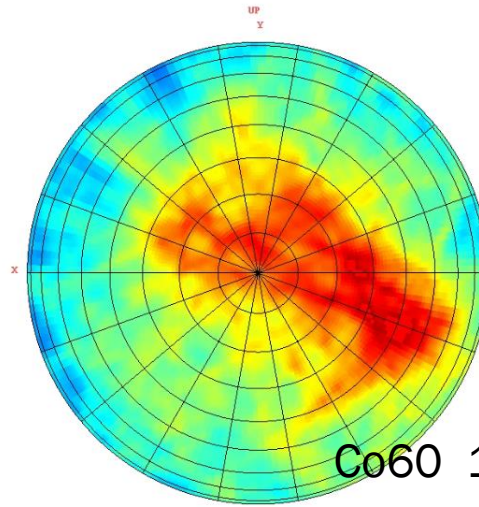


上の写真はCo60の分布を示します。  
 (Power Width 40%にて)

Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Na-22	511.0	367
<input checked="" type="checkbox"/> Co-60	1173.2	1356
<input checked="" type="checkbox"/> Co-60	1332.5	1087
<input type="checkbox"/> Th-232	1110.6	56
<input type="checkbox"/> Auto:1160	1159.6	3
<input type="checkbox"/> K-40	1460.8	11
<input type="checkbox"/> Th-232	2614.5	2
<input type="checkbox"/> Auto:1409	1408.8	0

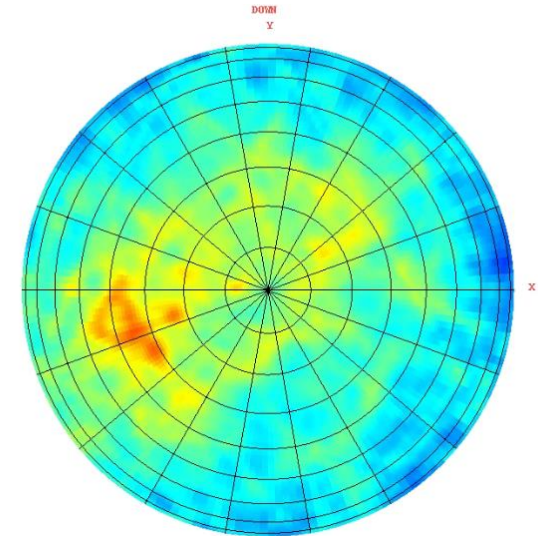
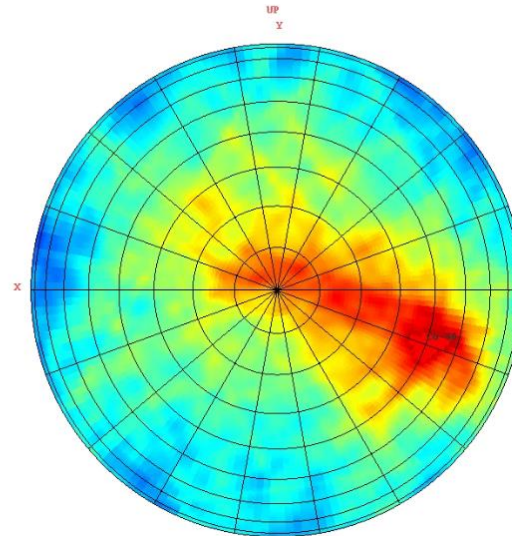
Eu152 344.3kev

Co-60



Co60 1173kev

Na22 1276kev



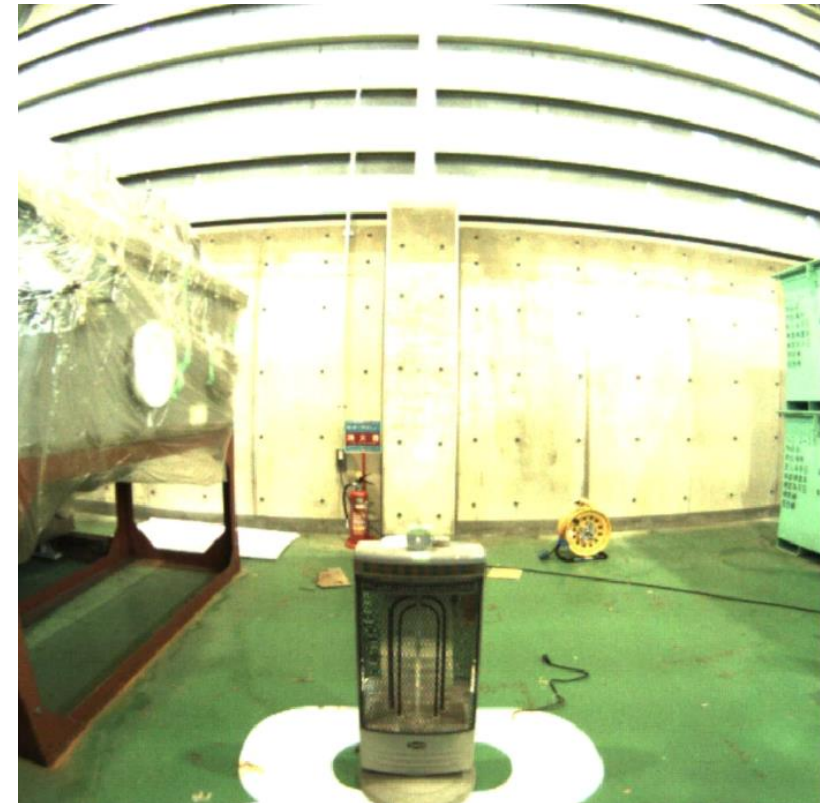
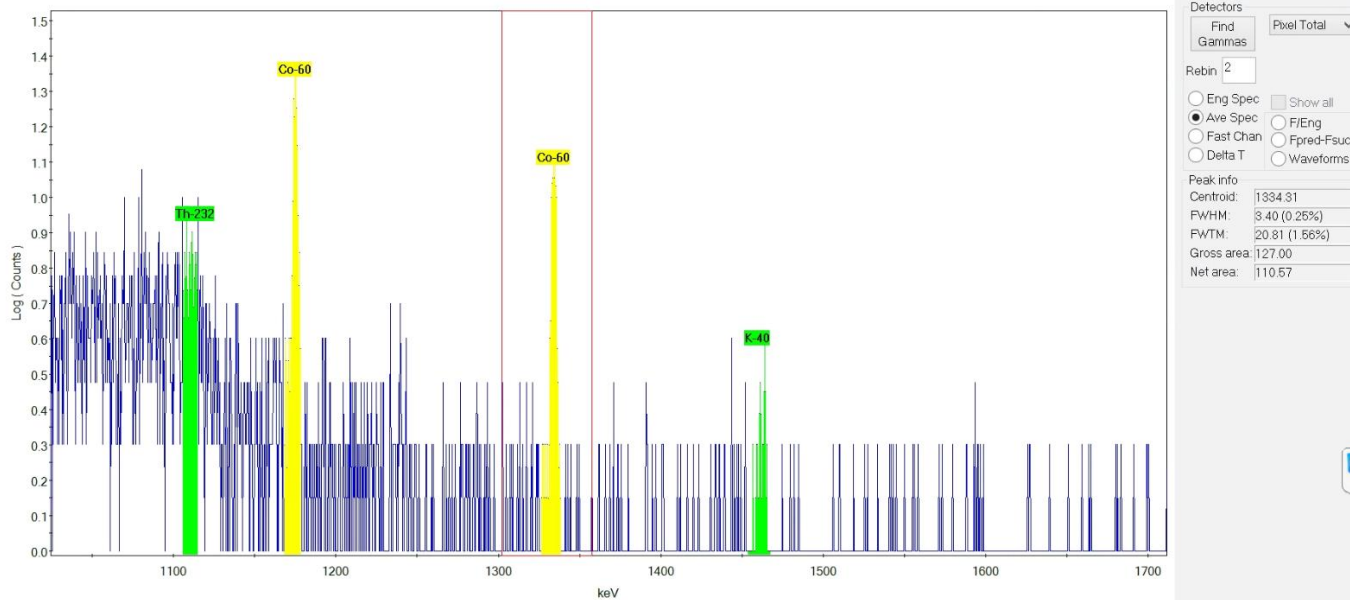
Co60 1332kev



# 測定14

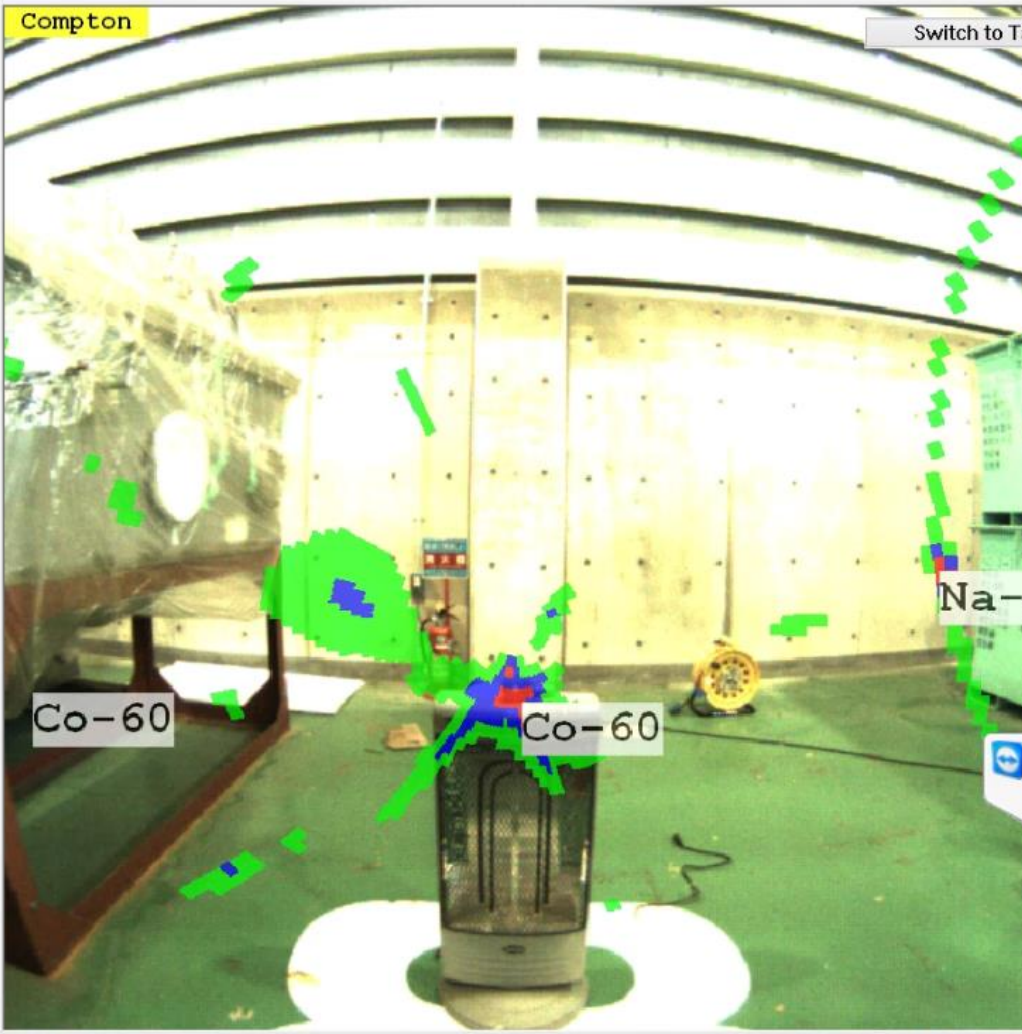
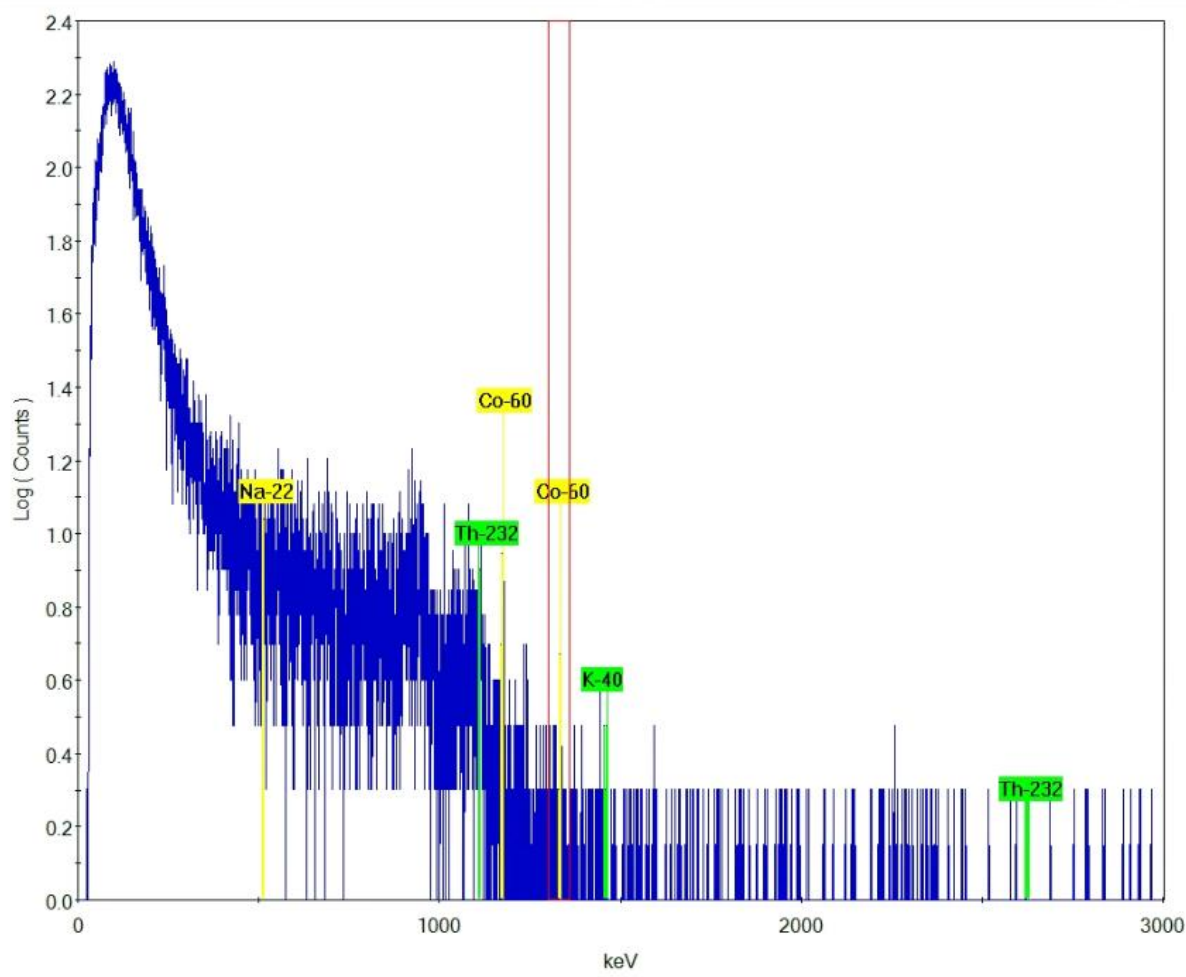
測定距離 1.0m

測定時間 481秒



Time: 481  
 CPS: 0 136 nSv/hr Temp (K): 79.2

Saved File

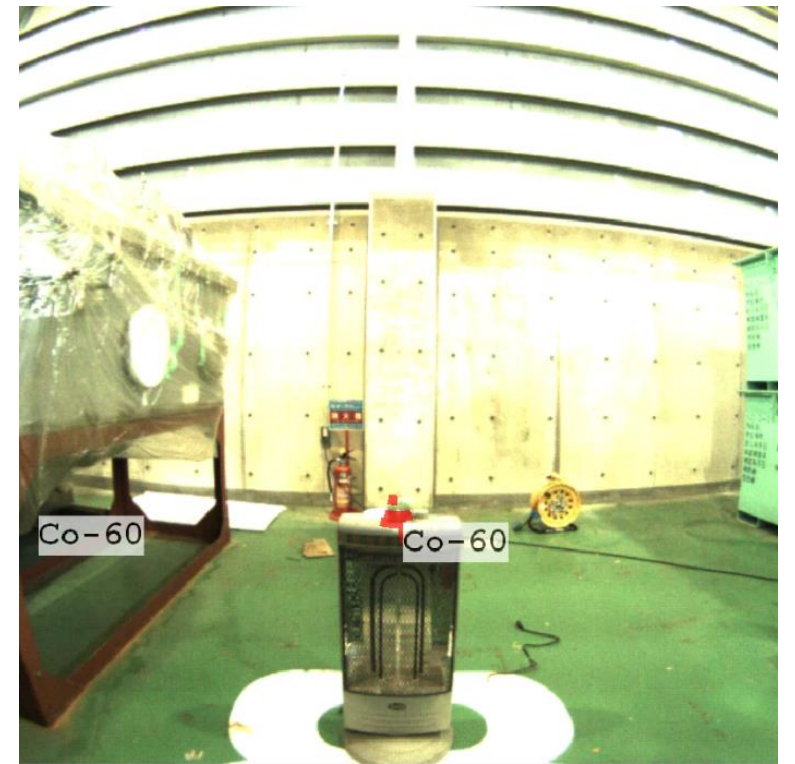
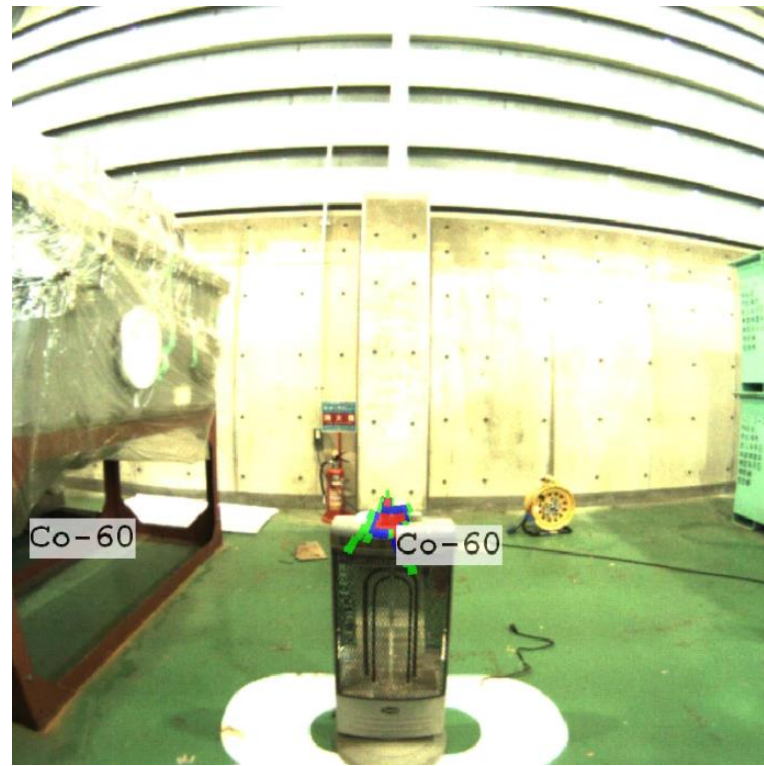
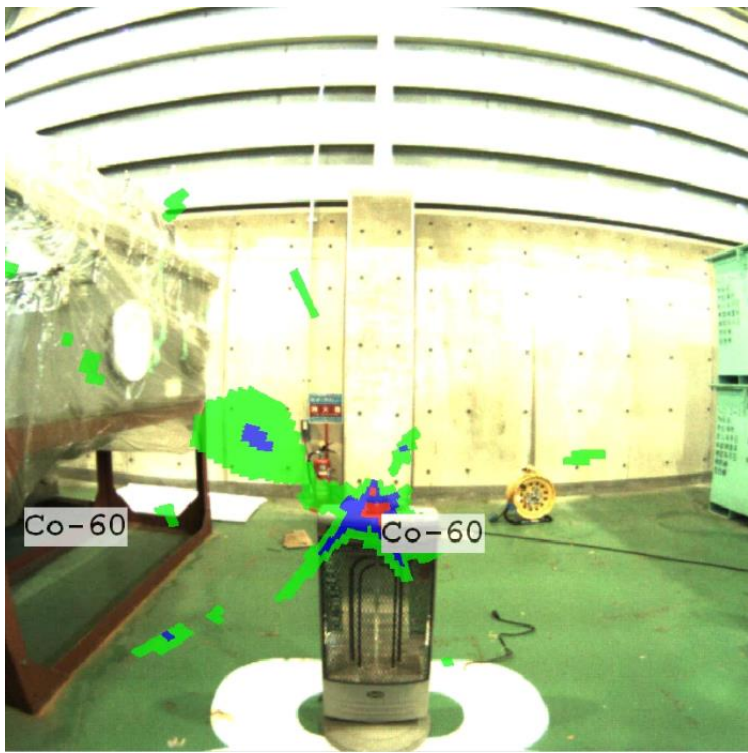


Ready

X = 736.9, Y = 1

NUM





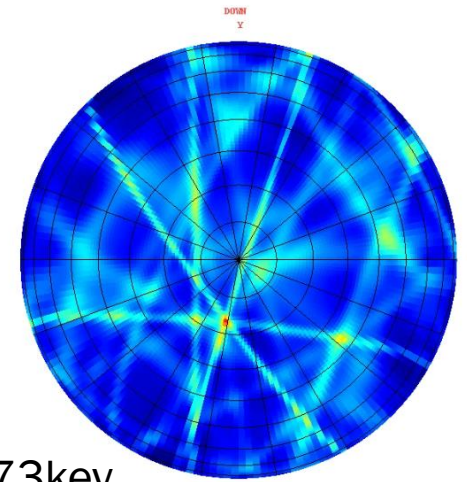
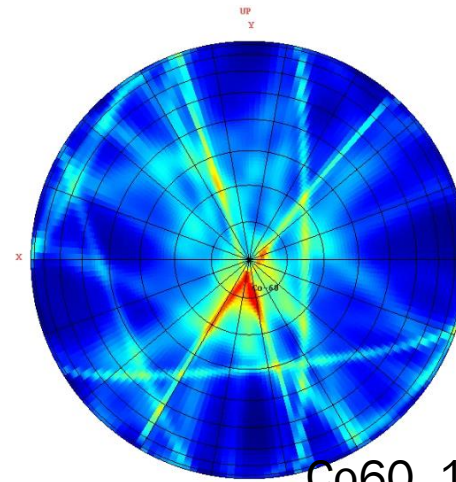
上の写真はCo60の分布を示します。  
(Power Width 40%にて)

上の写真はCo60の分布を示します。  
(Power Width 20%にて)

上の写真はCo60の分布を示します。  
(Power Width 10%にて)

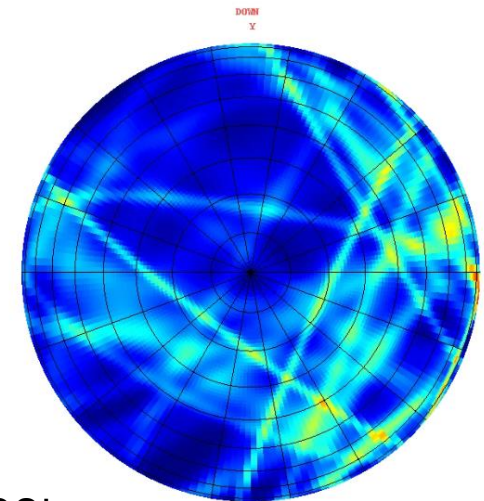
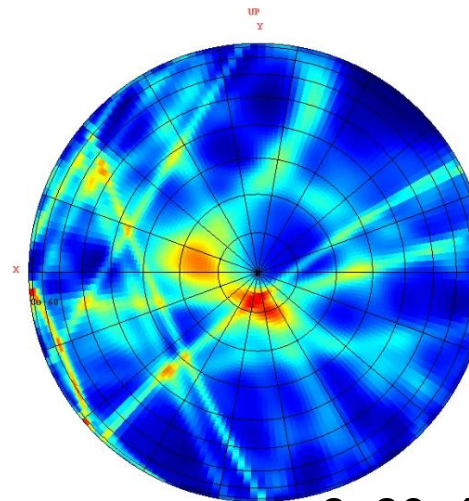
Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Na-22	511.0	11
<input checked="" type="checkbox"/> Co-60	1173.2	51
<input checked="" type="checkbox"/> Co-60	1332.5	47
<input type="checkbox"/> Th-232	1110.6	5
<input type="checkbox"/> K-40	1460.8	8
<input type="checkbox"/> Th-232	2614.5	2

Co-60 - 1173.2 Event:51



Co60 1173kev

Co-60 - 1332.5 Event:47



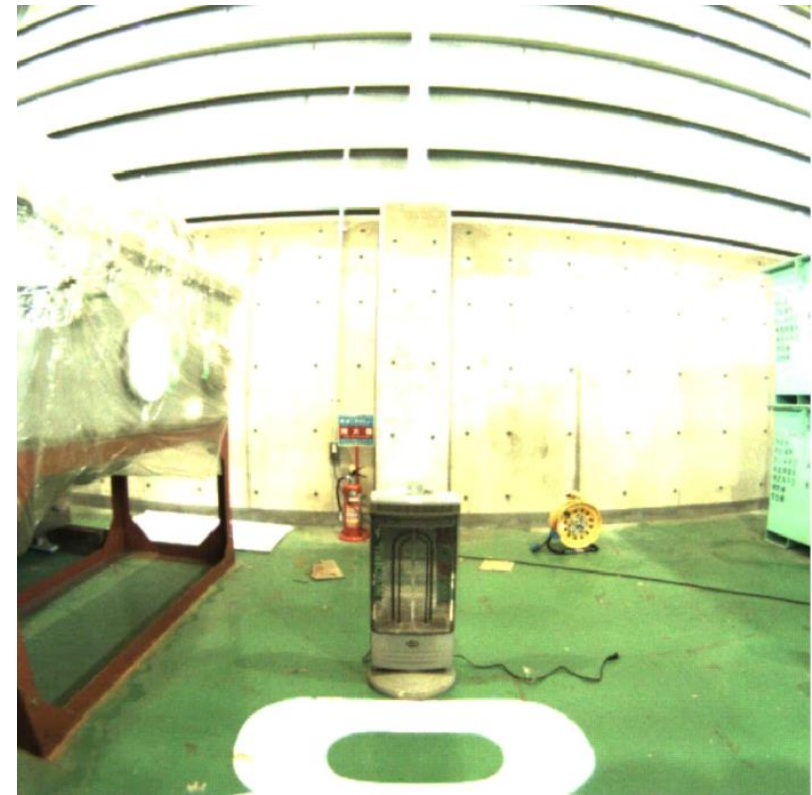
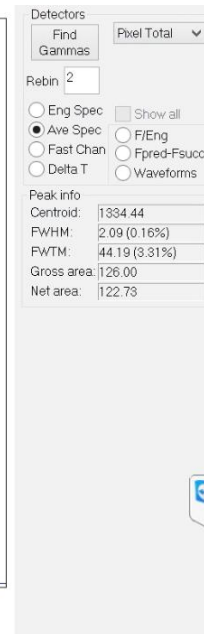
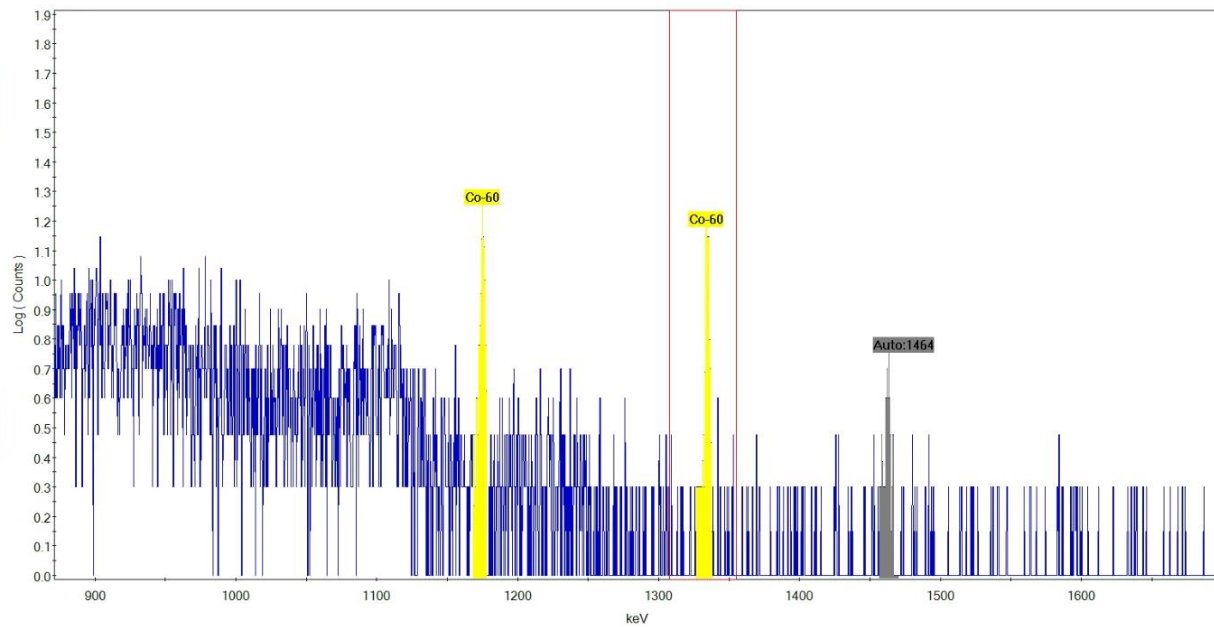
Co60 1332kev



# 測定15

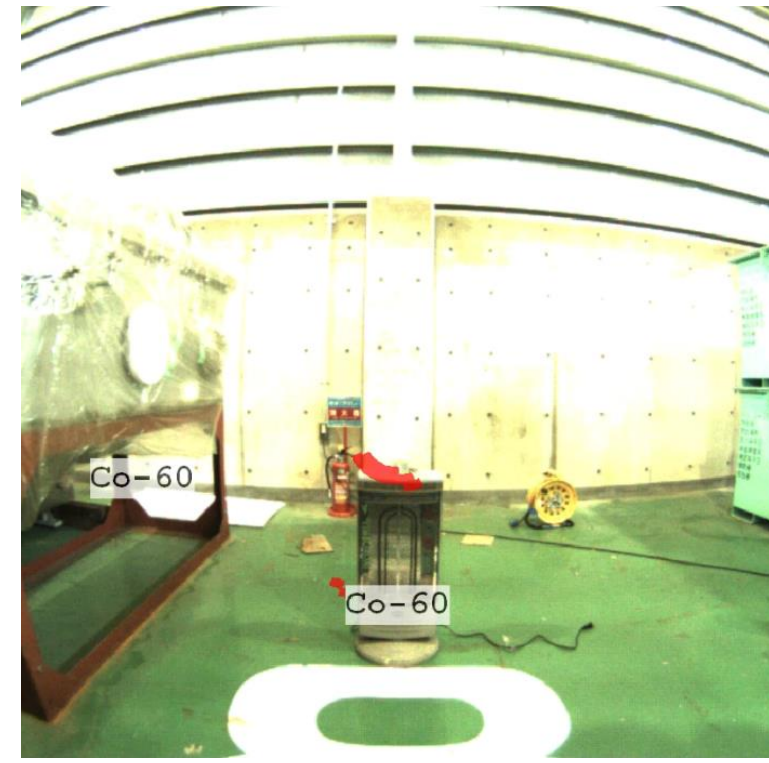
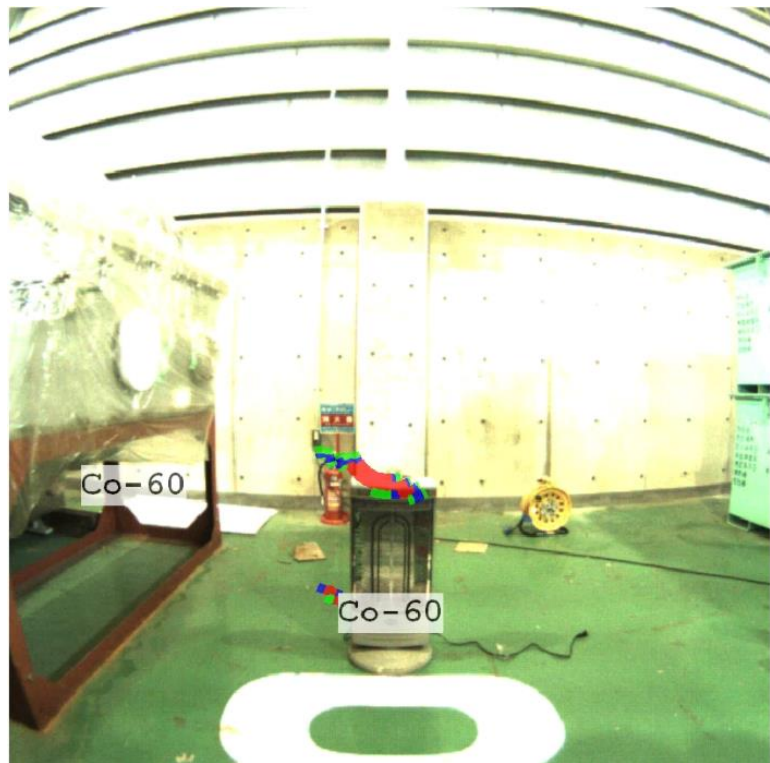
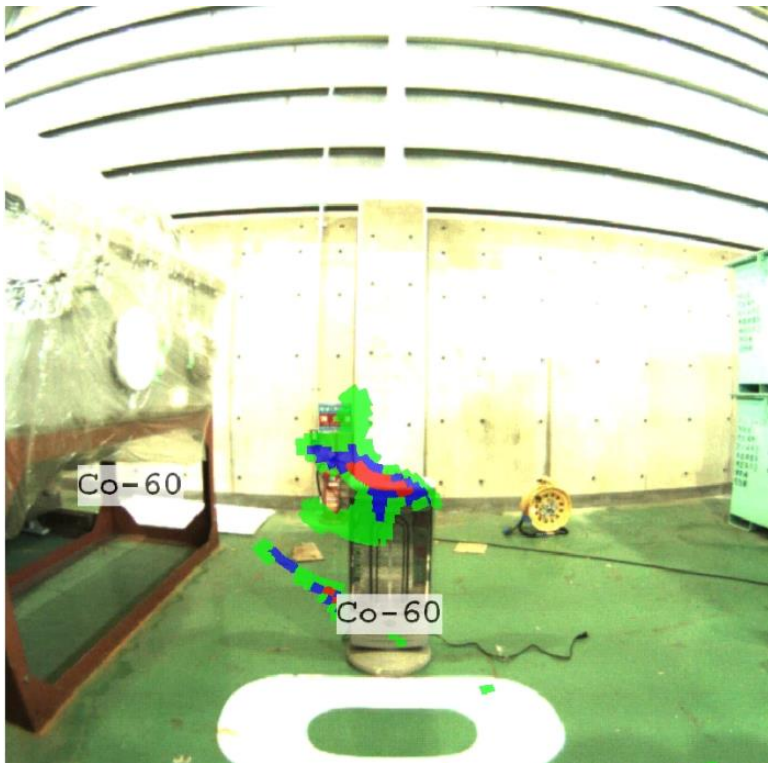
測定距離 1.5m

測定時間 602秒







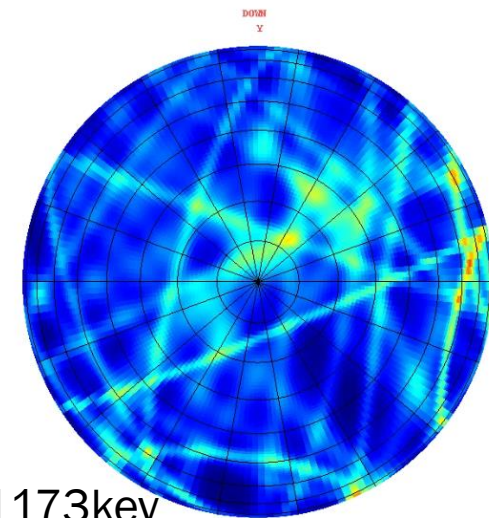
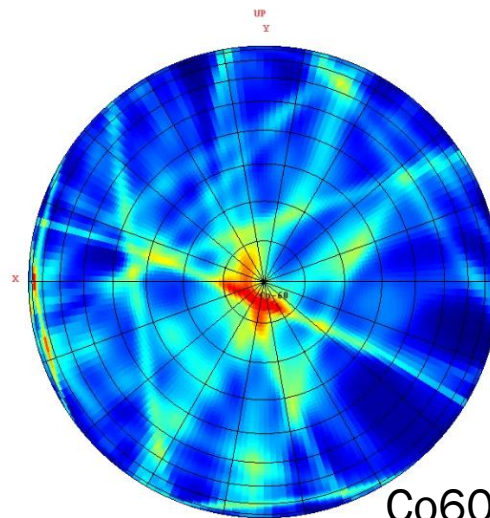


上の写真はCo60の分布を示します。  
(Power Width 40%にて)

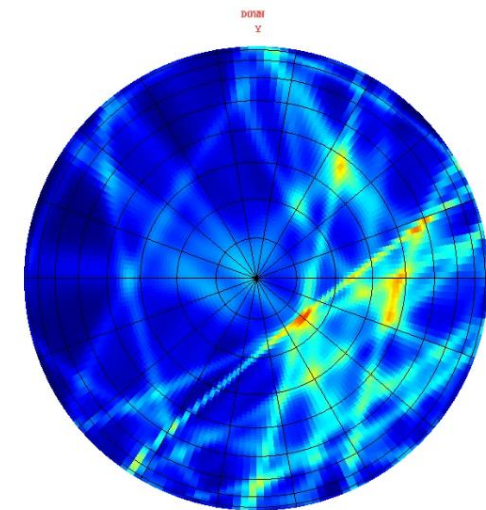
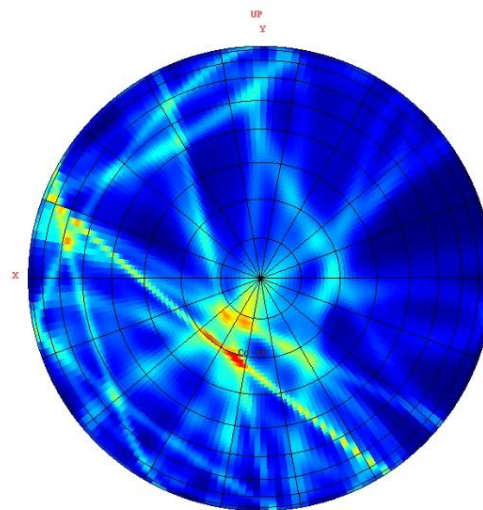
上の写真はCo60の分布を示します。  
(Power Width 20%にて)

上の写真はCo60の分布を示します。  
(Power Width 10%にて)

Isotope	Energy (keV)	Events
<input checked="" type="checkbox"/> Co-60	1173.2	48
<input checked="" type="checkbox"/> Co-60	1332.5	40
<input type="checkbox"/> Auto:1464	1463.6	6



Co60 1173kev



Co60 1332kev

















































































あなたのアプローチを反映する最適な引用文は、「人間にとっては小さな一歩だが、人類にとっては大きな飛躍である」です。

-ニール アームストロング