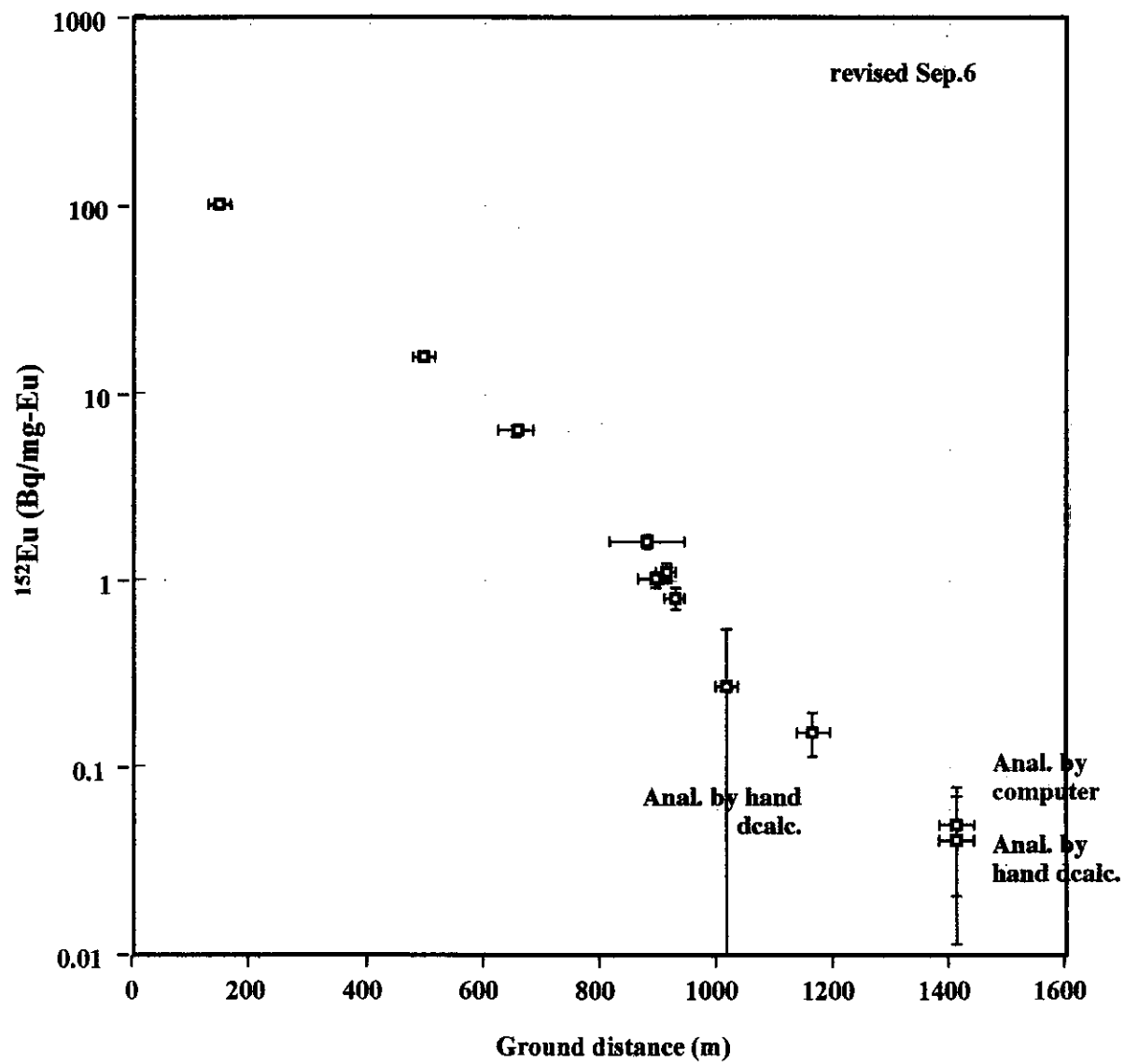
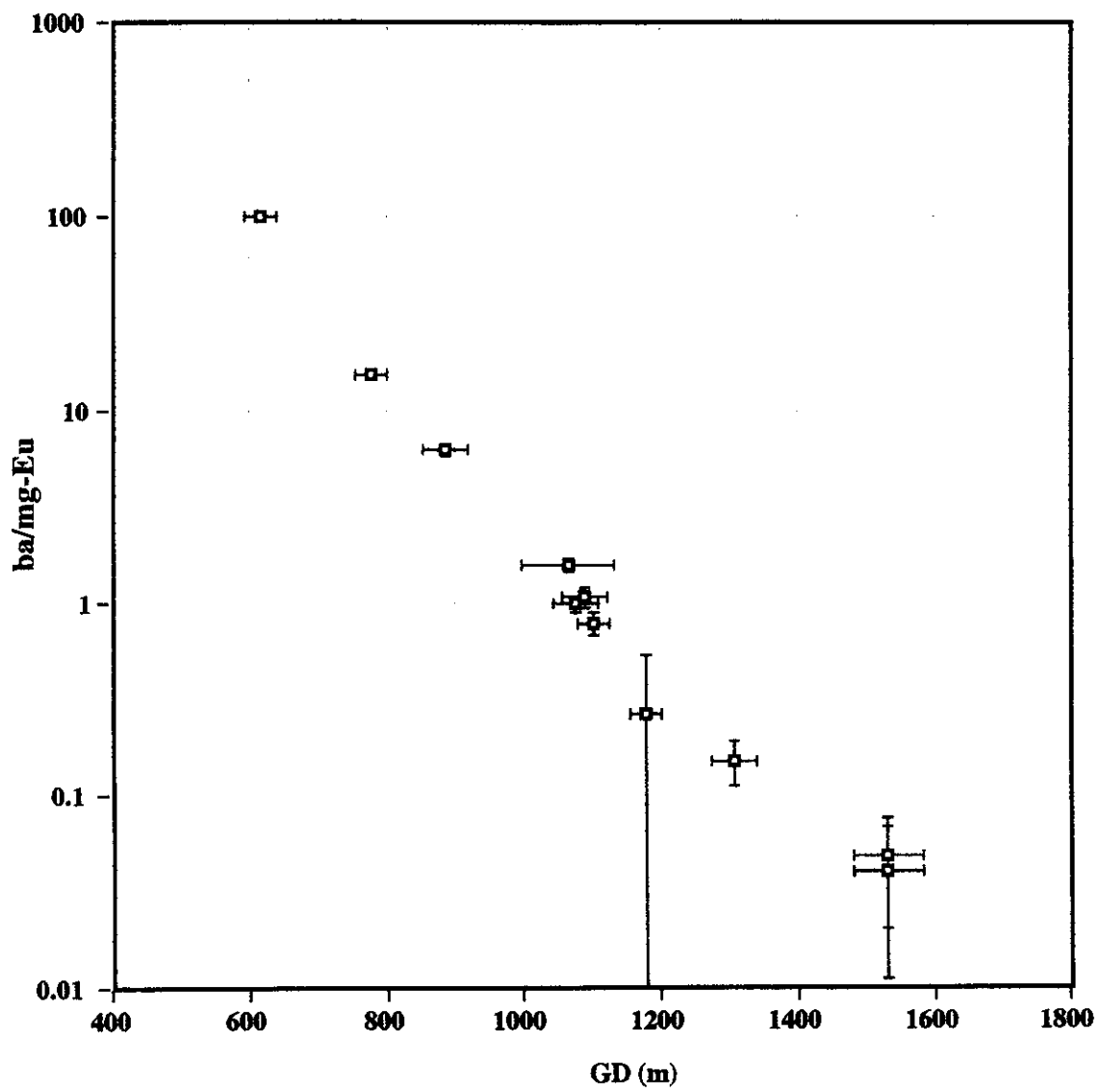


Table <sup>152</sup>Eu activity of Granite samples in Hiroshima

#	Location	Grand Range (m)	uncertainty	Bq/mg Eu	error
1	Motoyasu Brg. Railing	146	18	99.4	4.6
2	Shirakami Shrine Fence	496	18	15.2	0.8
4	Myochoji Temple 7	654	29	6.2	0.4
5	Old Prefectural office	881	64	1.57	0.13
6	Enryuji Temple 5-1	912	18	1.06	0.13
7	Shingyoji Temple 1	927	18	0.78	0.10
8	City Office pavement	1016	18	0.28*	0.25*
9	Kozenji Temple 6-1	1163	29	0.15	0.04
18A	Large sample	1374	18		<0.6
18B	Small sample	1374	18		<0.6
17	Kikkawa Hotel	1411	30	0.048	0.028
	Kikkawa Hotel	1411	30	0.040*	0.028*
10	Senngyoji Temple	> 2 km	> 2 km		< 0.3
11	Kannonji Temple	> 2 km	> 2 km		< 0.6
14	Senzoubo local stone	> 2 km	> 2 km		< 0.7
15	Myokenji Temple	> 2 km	> 2 km		< 0.8

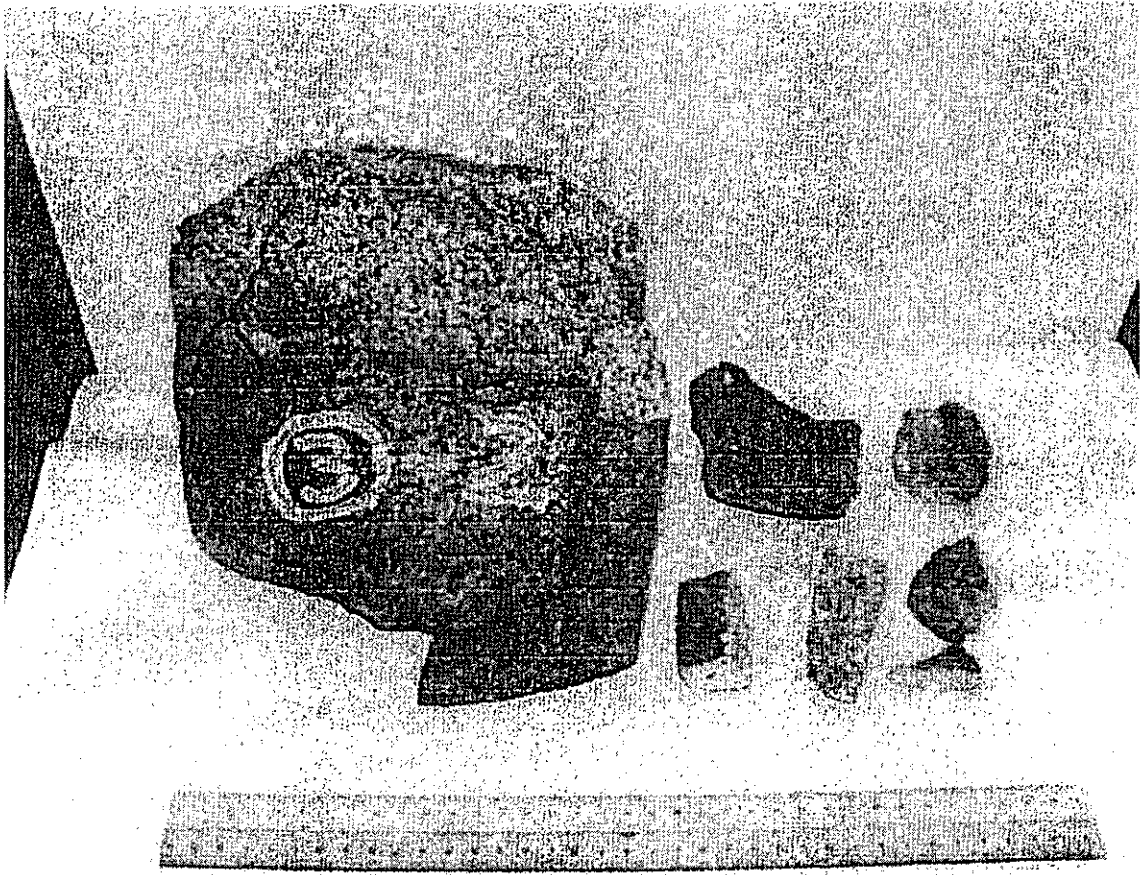
\* hand calculation











Honkei jr

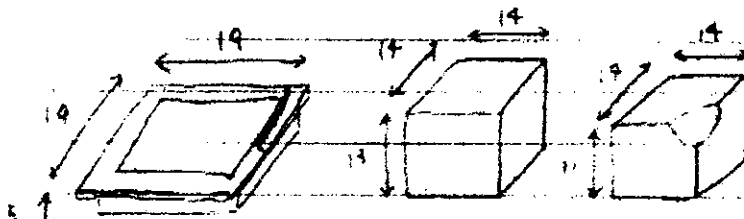
記入日	48/3/19	記入者	阪本
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植物図 肥田情報

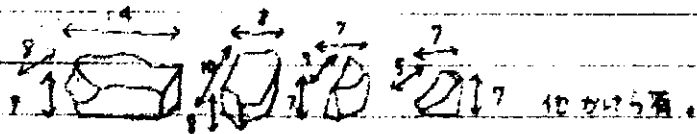
2/19/87 ② 墓石 教伝手 仙石

写真集

2/19/87 ②  
2/19/87 ② 墓石



墓石台



保存状況

墓石台、墓石片2つとかけら。

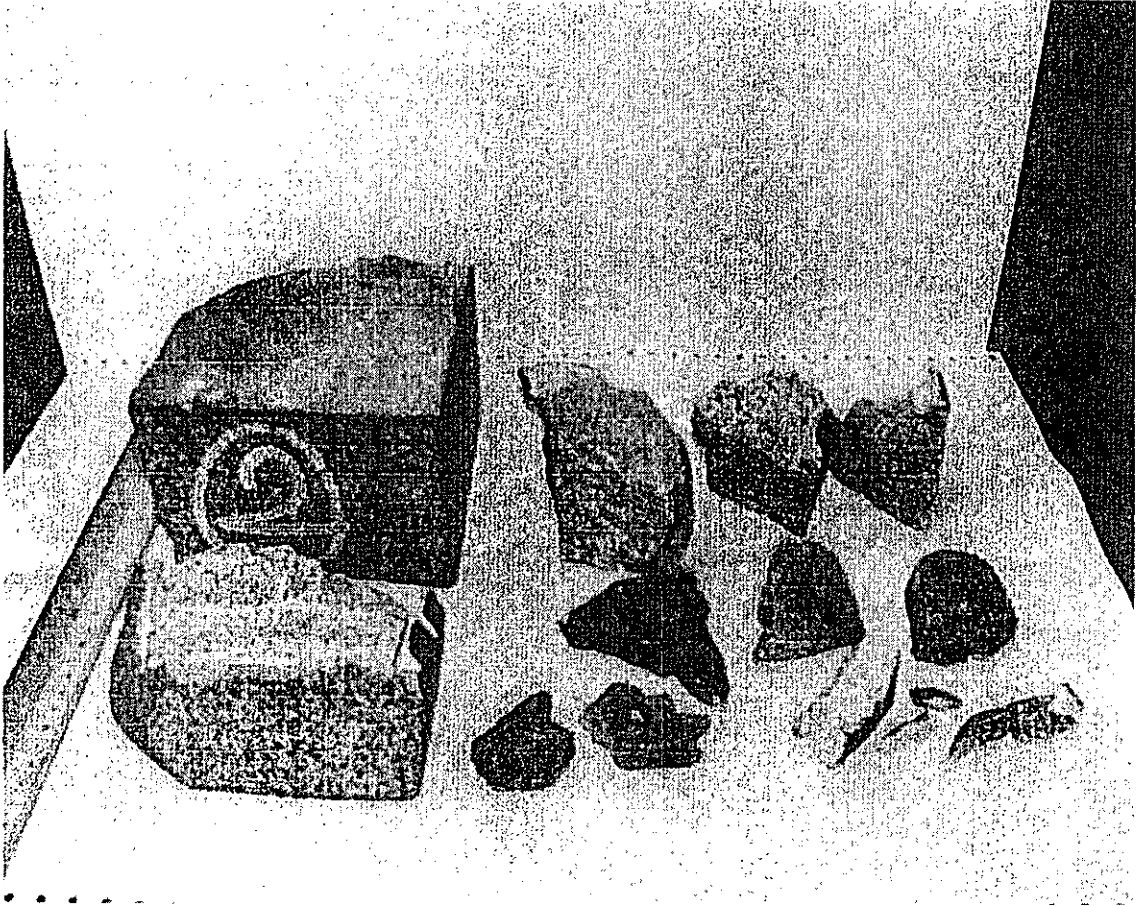
\* 上図参照、単位(cm)

10/袋への

一部紙袋への

保管場所

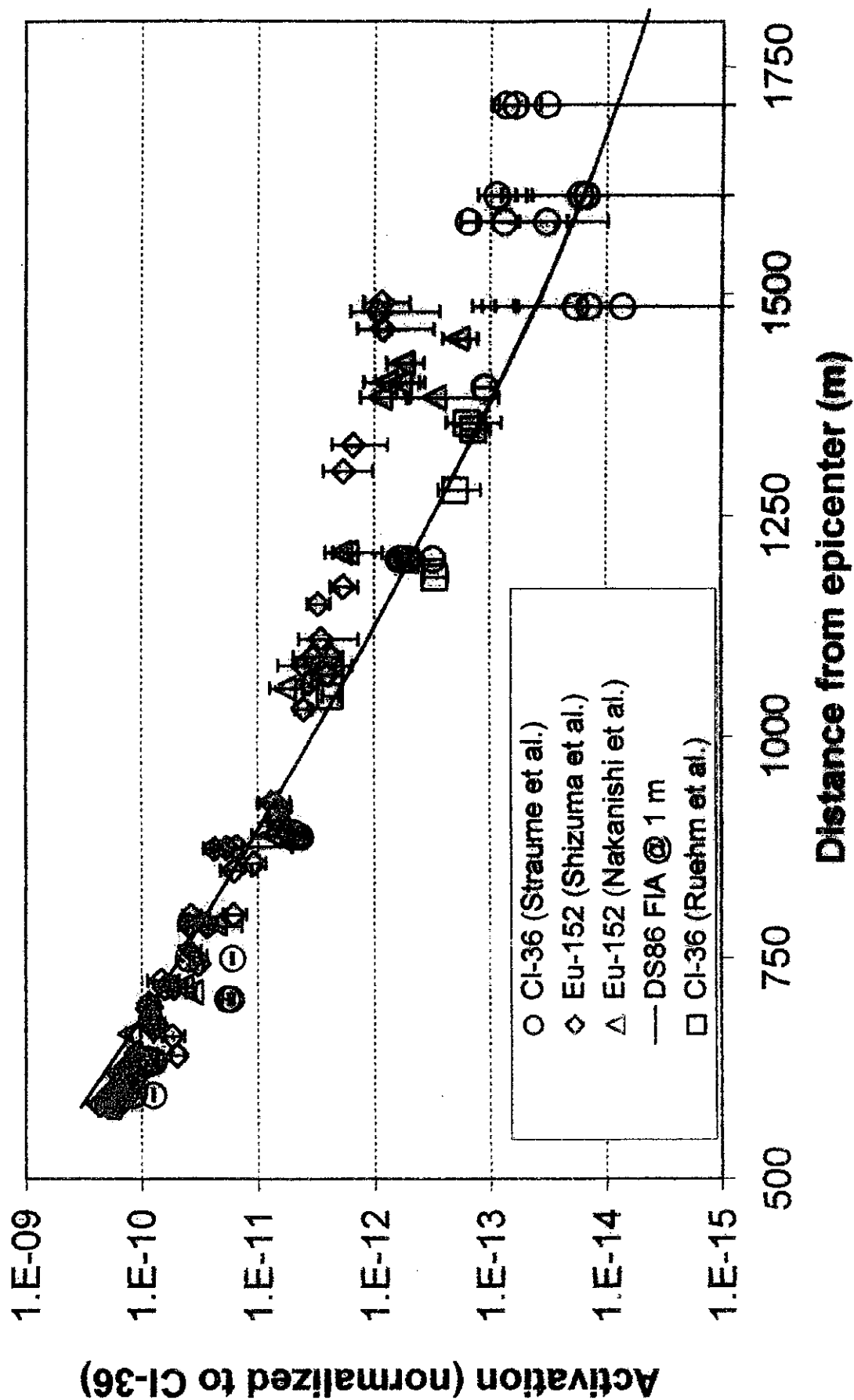
A-3



Kyodeny.



Fig. 12. Cl-36 and Eu-152 compared in Hiroshima



No.	Sample	Measurement	Note	Stone type	GR(m)
1	Motoyasu Brige. Railing	Eu, Cl		granite	146
2	Shirakami Shrine Fence	Eu, Cl		granite	496
3	Honkeiji Temple	Eu, Cl		granite	893
4	Myochoji Temple 7	Eu, Cl		granite	654
5	Old Prefectural office	Eu, Cl		granite	881
6	Enryuuj Temple 5-1	Eu, Cl		granite	912
7	Shingyoji Temple 1	Eu, Cl		granite	927
8	City Office pavement	Eu, Cl		granite	1016
9	Kozenji Temple 6-1	Eu, Cl		granite	1163
10	Senryoji temple	Eu, Cl	Iyo stone	granite	
11	Kannonji Temple	Eu, Cl		granite	
12	Senzoubo	Cl	Iyo or Oshima stone	granite	8790
13	Senzoubo	Cl	local stone	granite	8790
14	Senzoubo	Eu, Cl	local stone	granite	8790
15	Myokenji Temple	Eu, Cl	local stone	granite	7610
16	Myokenji Temple	Cl	local stone	granite	7610
17	Kikkawa Ryokan	Eu, Cl		granite	1411
18	Surface core of Old Faculty of Hiroshima University (E-building)	Eu, Cl	0cm-5cm depth	granite	1374
	Deeper core of Old Faculty of Hiroshima University (E-building)	Eu, Cl	5cm-15cm depth	granite	1374

## Liquid standard sample irradiation

### 1. Content

Eu 1mg, Cl 10mg

2ml water solution

### 2. Thermal neutron irradiation:

**5cm thick nylon plate in front and 10cm thick backing**

Cadmium ratio: 5.86

“Flux of thermal neutron” = 2.3 x “flux of epithermal neutron”

### 3. Epithermal neutron irradiation:

**5cm Newlite in front and 10cm thick backing**

**(Newlite: polyethylene with 3.7% boron)**

Cadmium ratio: 1.27

“Flux of thermal neutron” = 0.13 x “flux of epithermal neutron”

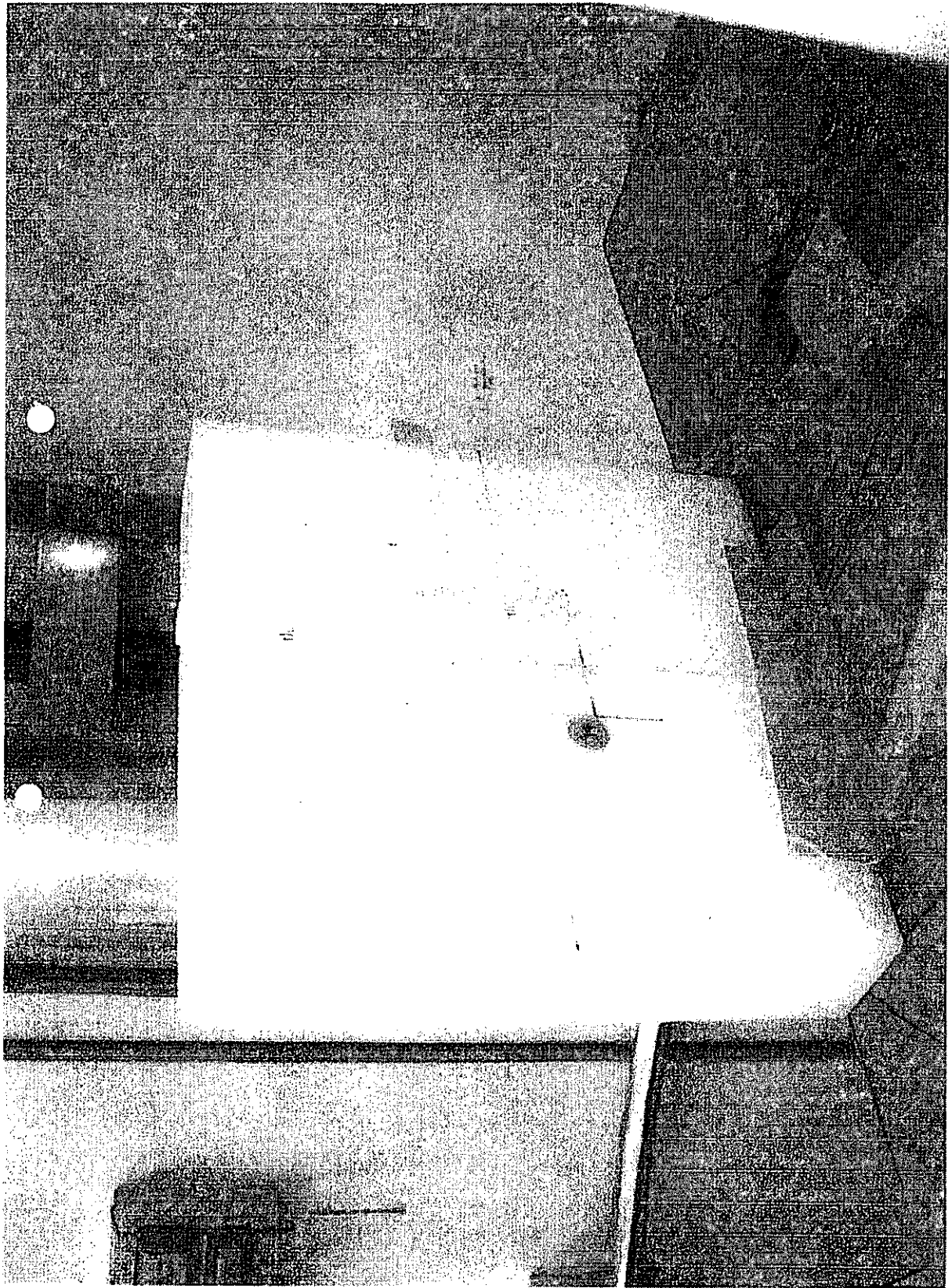
### 4. Atomic bomb radiation

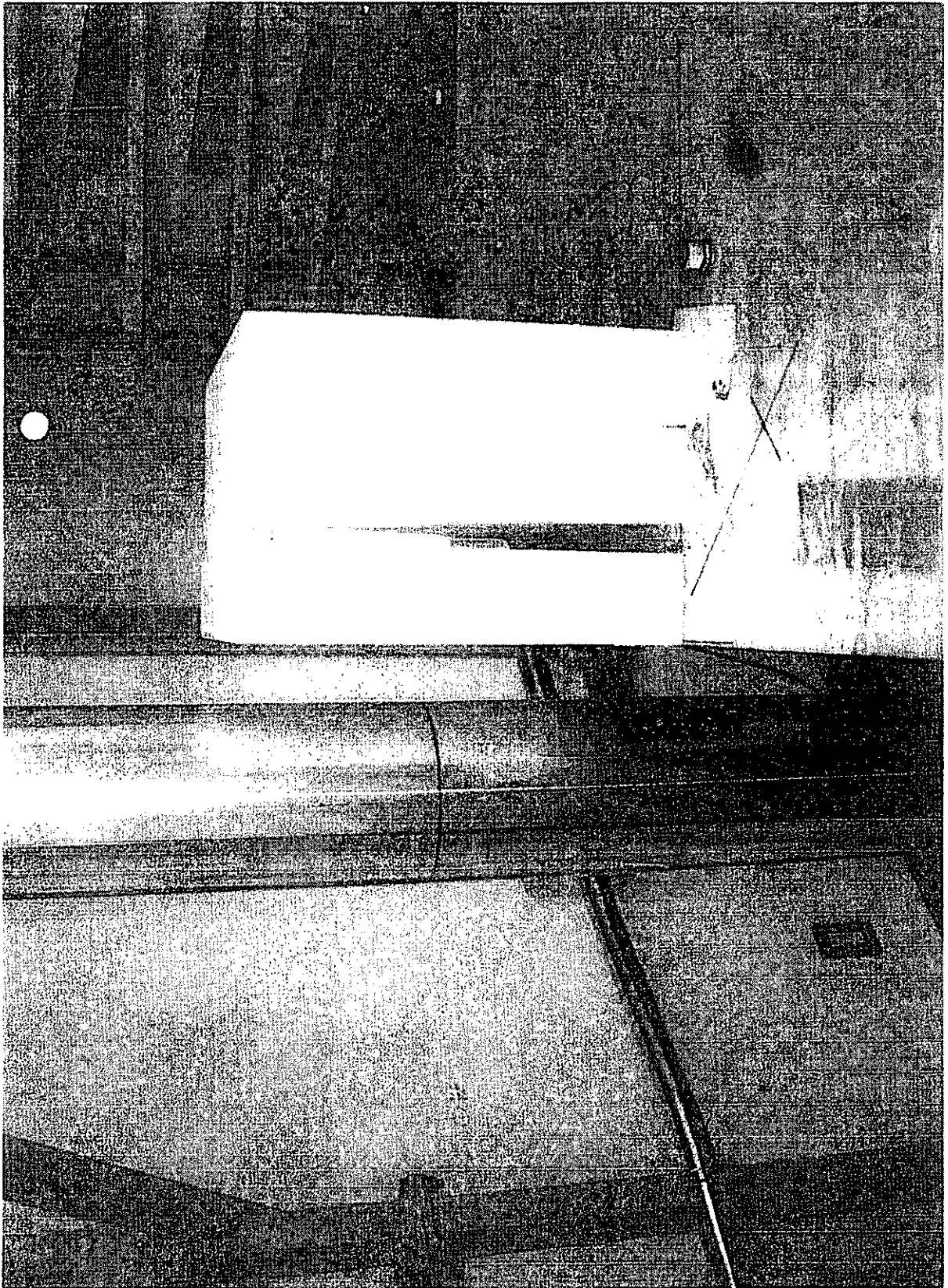
At 100m ground range

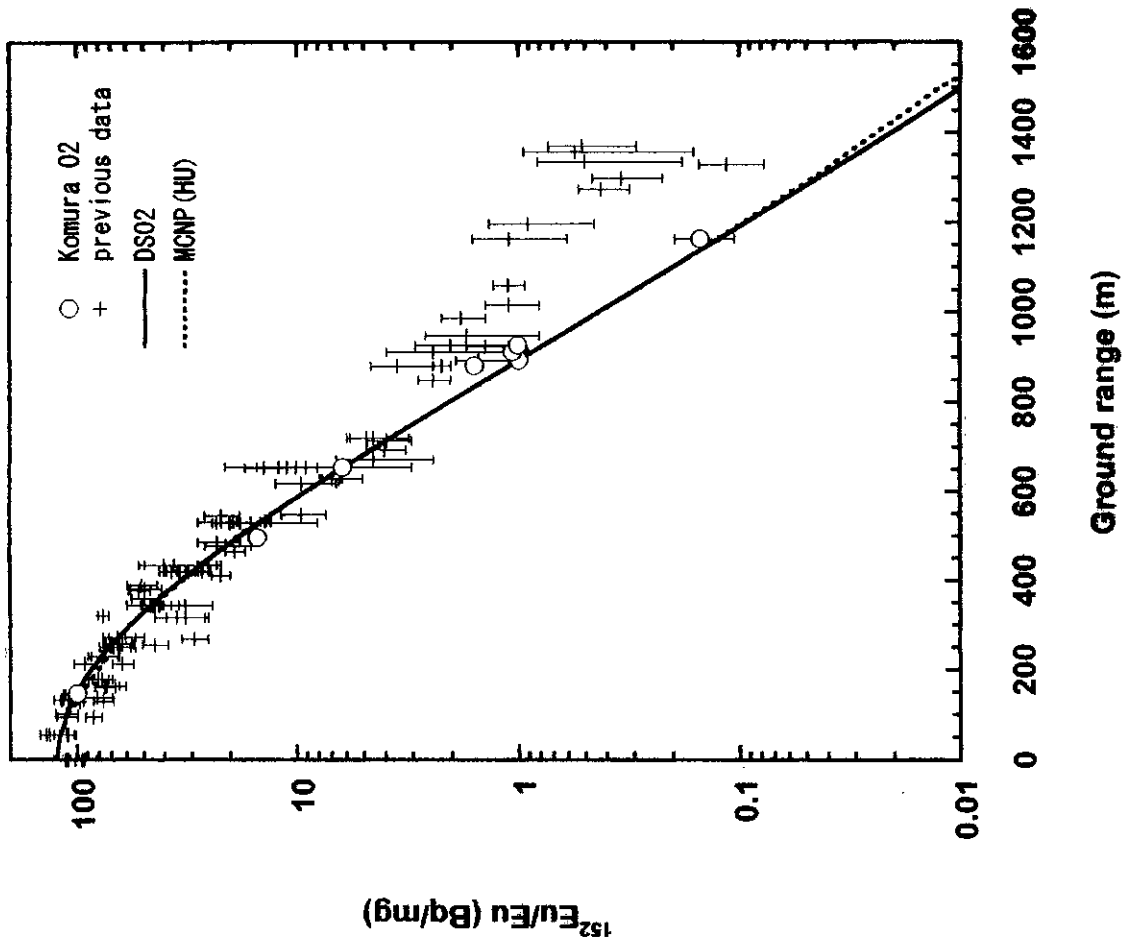
“Flux of thermal neutron” = 0.5 x “flux of epithermal neutron”

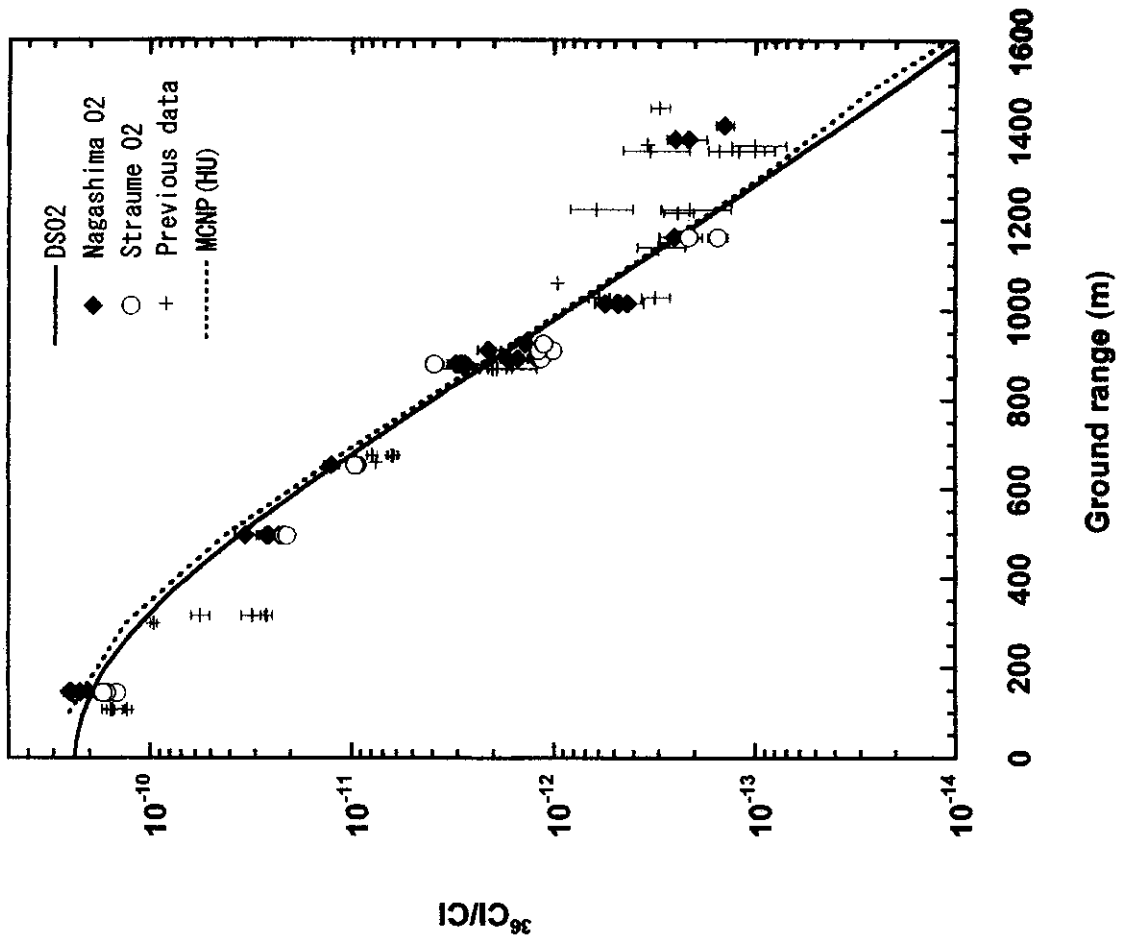
At 2000 ground range

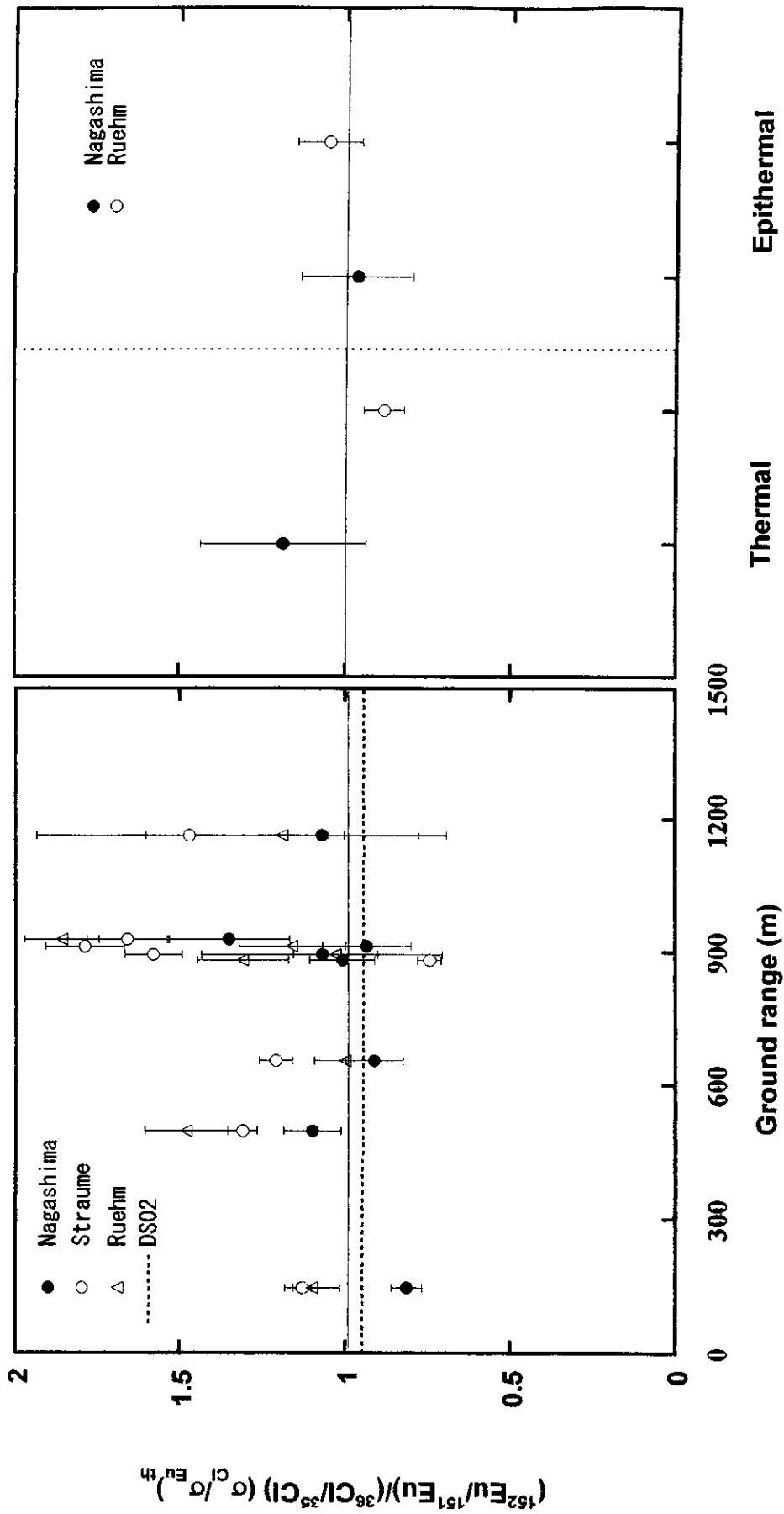
“Flux of thermal neutron” = 0.3 x “flux of epithermal neutron”



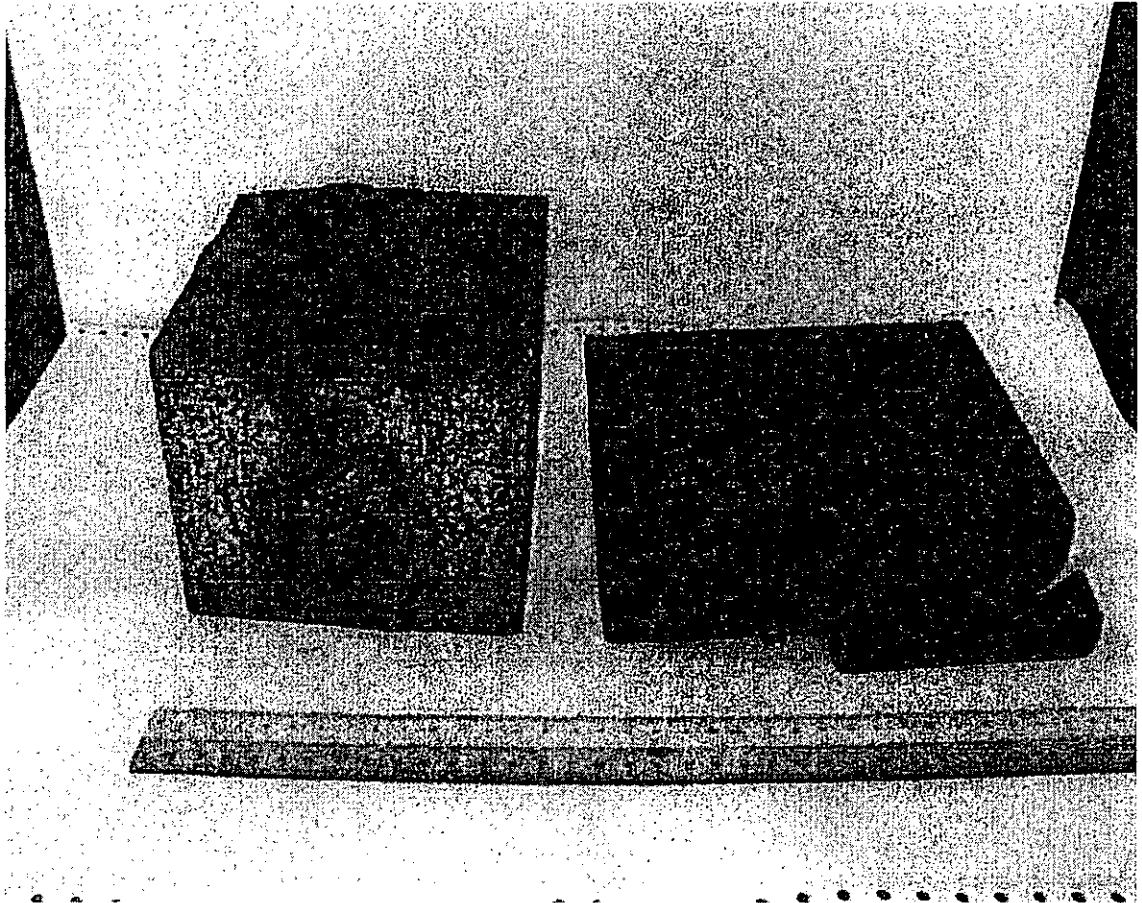






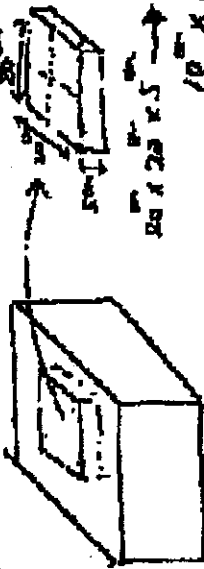






kyodanji

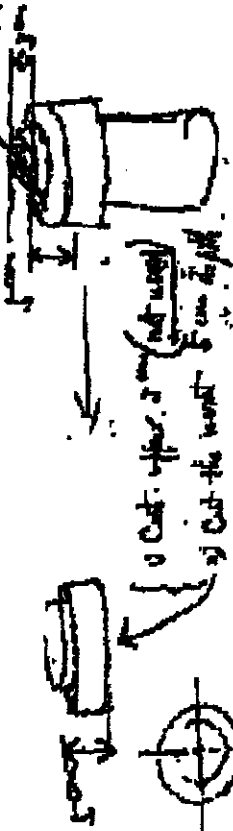
⑧ City of New Brunswick (市政所: 415)



2000 ft. 10.1054

50" x 20" x 5" → 10" x 10" x 5" (40)

⑤ Old Professional Office (學方: 7.58)



10 Cut: upper 2 mm (not used)  
20 Cut: the lower 5 mm (not used)

② Station House Service Fence (自神: 11.10)



① Matayon Bridge Rectory (2字: 11.15)



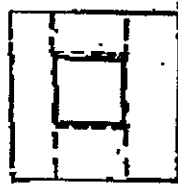
⑧

⑤

②

①

1 表蓋 (上) 10.1054

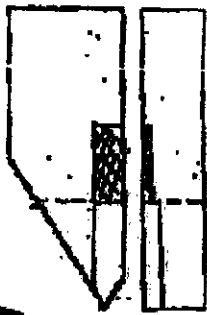


4 表蓋



4 表蓋

① 表蓋 (上) 10.1054



② 表蓋 (上) 10.1054



④ 表蓋

0822: 2: # 3/

④ Hyodochi T-ya (物通寺) (7)

1) Cut out 4/10 3" 5" 5"

2) Cut the rest 5"

Sampled in the front

⑦ Shingyoji T-ya (真行寺) (1)

1) Cut 4/10 3" 5" 5"

2) Cut the rest 5"

Sampled

③ Kyodenzji T-ya (教院寺)

物通寺と同じ形 上端 5" 1.75"

⑥ Enryuji T-ya (円隆寺)

1) Cut 4/10 3" 5" 5"

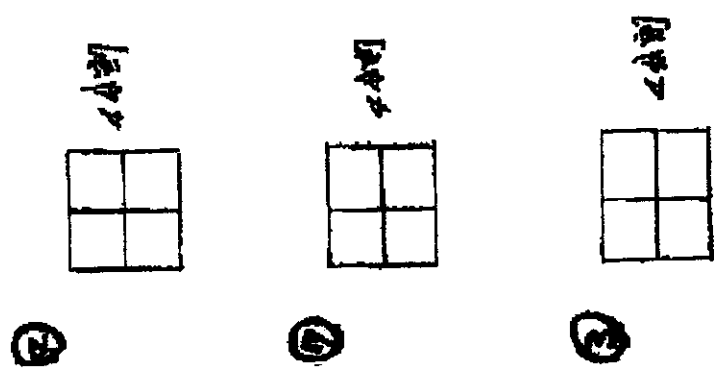
2) Cut the rest 5"

Sampled

⑨ Kazenji T-ya (興禪寺)

(6) 1.75"

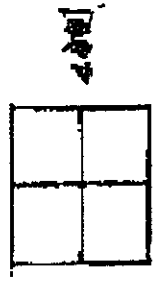
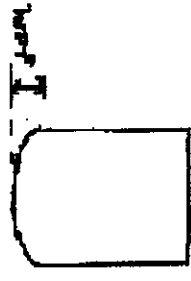
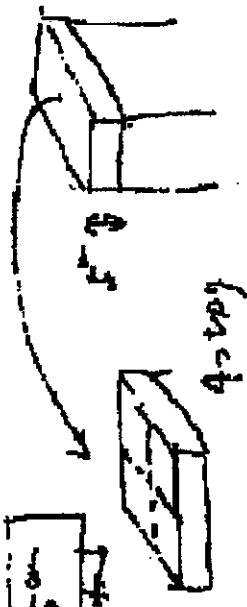
Sampled





7  
Dustul p...  
(コトロ-ル  
、基石 7個)

top 5cm  
for all 7 stones



10 Sample for... 7個 同じ

- 11 1.5cm x 1.5cm x 1.5cm
- 12 1.5cm x 1.5cm x 1.5cm
- 13 1.5cm x 1.5cm x 1.5cm
- 14 1.5cm x 1.5cm x 1.5cm
- 15 1.5cm x 1.5cm x 1.5cm
- 16 1.5cm x 1.5cm x 1.5cm