

# Dose Rates in Contaminated Rooms of Various Sizes

## K. F. Eckerman

### Introduction

There is a need for dose coefficients which could be used to estimate anticipated dose rates within radiologically contaminated structures. Coefficients for evaluation of the intake of radionuclides published by the International Commission on Radiological Protection (ICRP 2001) are applicable to the inhalation and ingestion exposures; however ICRP has not published, with the exception of radionuclides of the noble gas elements, dose coefficients for exposure to radionuclides located outside the body. The US Environmental Protection Agency (EPA), in Federal Guidance Report 12 (EPA 1993), tabulated dose rate coefficients for exposures to radionuclides distributed in air, water, soil and on the surface of the ground. These coefficients were calculated for idealized exposure geometries of infinite dimensions (semi-infinite source in air, infinite planar source on the ground, etc.). We develop here the relationship between the dose rate coefficients for exposures in a contaminated room and dose rate coefficients for an infinite source using the air kerma rate one meter above the floor as the normalization quantity. The floor, walls and ceiling of the rooms are assumed to be contaminated to the same level.

### Methods

Air kerma rates were calculated for monoenergetic photon emitters at 1 m above the floor on a 19 by 19 grid in the rooms of various sizes. The calculations involve an integral of a dose kernel over the surfaces of the room. The kernel for the kerma rate,  $\dot{D}(r, E)$ , at distance  $r$  from a point source of photons of energy  $E$  is given by

$$\dot{D}(r, E) = \frac{1}{4\pi r^2} (\mu/\rho)_T E e^{-\mu r} \quad (1)$$

where  $(\mu/\rho)_T$  and  $\mu$  are the mass energy transfer and linear attenuation coefficients, respectively in air for photons of energy  $E$  (Berger *et al.* 1999). The kernel of Eqn (1) does not include a contribution from scattered photons; i.e., no photon buildup factor is included in the equation as buildup over the dimensions of the room is negligible.

The dose rate 1 meter above the floor at locations  $(x, y)$  can be expressed as the integral of the dose kernel over the surfaces of the floor, ceiling, and walls. The dose rate at location  $(x, y)$ ,  $\dot{D}(x, y, E)$ , for photons of energy  $E$  is given by

$$\dot{D}(x, y) = \int_S dS_a S_a \dot{D}(r, E) \quad (2)$$

where  $S_a$  is the activity of the contamination per unit surface area,  $r$  is given as  $r = |(x, y, 1) - \bar{r}_S|$ ; vector  $\bar{r}_S$  is the location of the point sources in the integrand that is evaluated over surfaces  $S$ . Eqn (2) was evaluated at 361 locations (a 19 by 19 grid) within the room and normalized to the dose above an infinite plane.

The dose rate  $\dot{D}_p(h, E)$  at height  $h$  (here taken as 1 m) above an infinite plane with surface aerial contamination  $S_a$  emitting photons of energy  $E$  is given by

$$\dot{D}_p(h, E) = \frac{S_a (\mu / \rho)_T E E_1(\mu h)}{2} \quad (3)$$

where  $E_1(x)$  is the first-order exponential integral function (Shultix and Faw 1996). The  $E_1(x)$  function is evaluated using the formulations given by Abramowitz and Stegun (1964). The relative dose rate,  $R(E) = \dot{D}(x, y, E) / \dot{D}_p(h, E)$ , was evaluated at 361 locations, the 19 x 19 grid, in the room. In addition to the average value, calculations were also made for locations at the center of the room, at the mid-point along the wall and at a location in the corner of the room.

## Results

Calculations of the relative dose rate were carried out for 5 rooms; a) 10 x 10 x 10, b) 50 x 50 x 10, c) 100 x 100 x 10, d) 200 x 200 x 20, and 400 x 400 x 40 ft for photons of energy between 10 keV and 10 MeV. Maps of the relative dose rate inside a small room (10 x 10 x 10 feet) and a large room (400 x 400 x 40 feet) for 100 keV and 1 MeV photons are shown in Figs. 1 – 4. The relative dose rate as a function of photon energy are shown in Figs 5 - 8 for the various locations in the rooms.

The relative dose rate was evaluated for the radionuclides of FGR 12 using the nuclear decay data of ICRP Publication 38 (Eckerman *et al.* 1994) and the responses indicated in Figs 5-8. The relative dose rate for a radionuclide was computed as

$$R = \frac{\sum_{i=1}^n Y(E_i) R(E_i) D_p(h, E_i)}{\sum_{i=1}^n Y(E_i) D_p(h, E_i)} \quad (4)$$

where  $Y(E_i)$  is yield of photons of energy  $E_i$  in the decay of the radionuclide (Eckerman *et al.*, 1994),  $R(E_i)$  is the responses shown graphically in Figs 5-8 for the room and location of interest for photons of energy  $E_i$  and  $D_p(h, E_i)$  is the dose rate for an infinite plane source emitting photon of energy  $E_i$  as given by Eqn 3. Note, the responses  $R(E_i)$  of Figs 5-8 were normalized to  $D_p(h, E_i)$ . Table 1-5 lists the relative dose rate for the radionuclides. Note, if the radionuclide does not emit photons (e.g., H-3) then a zero value for the ratio appears in the table. However, for higher energy beta emitters a potential contribution due to breemstrahlung was considered (average energy taken as 150 keV). Radionuclides with “+D” appended to their name include the contribution from members of the decay chain (so-called daughters) to ratio specific for the parent radionuclide. These ratios reflect the status of the decay chain at 100 y, however they are normalized to a unit activity of the parent.

It is recommended that an applicable dose rate coefficient for a room with surface or volume contamination of the walls be approximated by multiplying the external dose coefficients of FGR 12 (EPA 1993) by the relative dose ratio given in Table 1-5. This procedure should yield a conservative estimate of the dose rate.

Dose Rate Relative to Infinite Plane (100 keV)

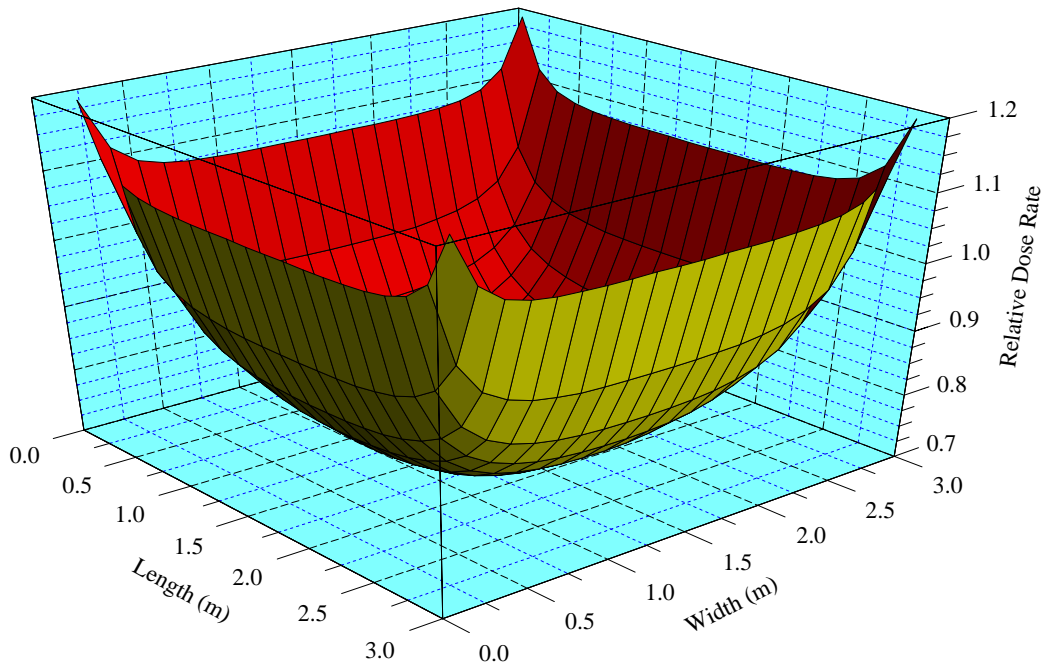


Fig. 1. Photon dose rate inside small room (10 x 10 x10 ft) for a 100 keV source.

Dose Rate Relative to Infinite Plane (1.0 MeV)

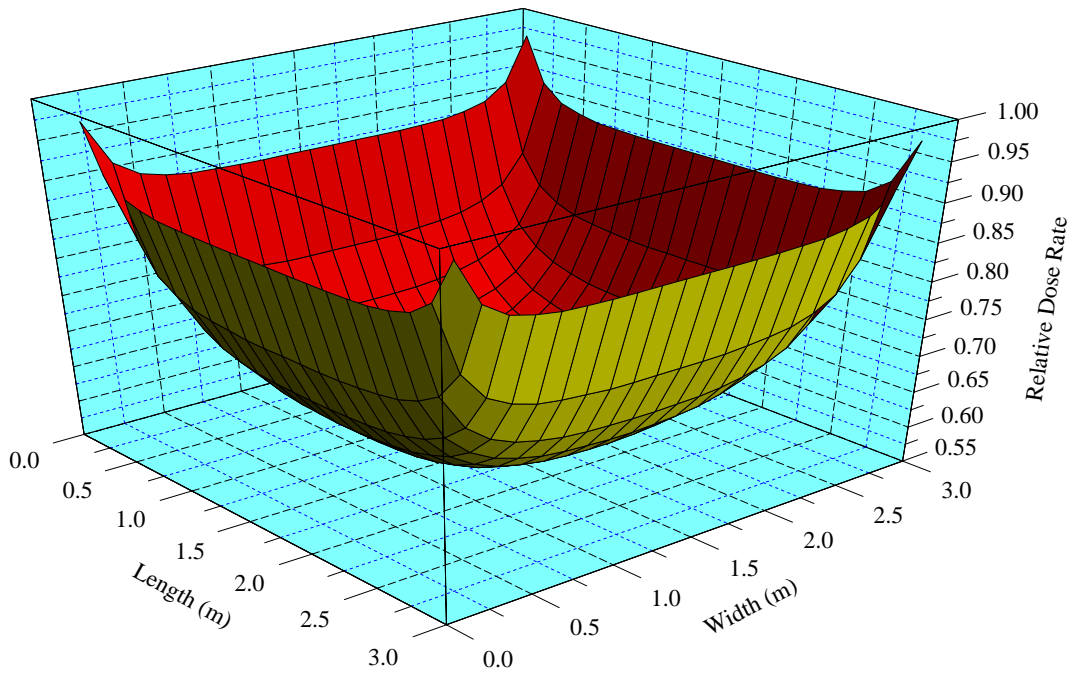
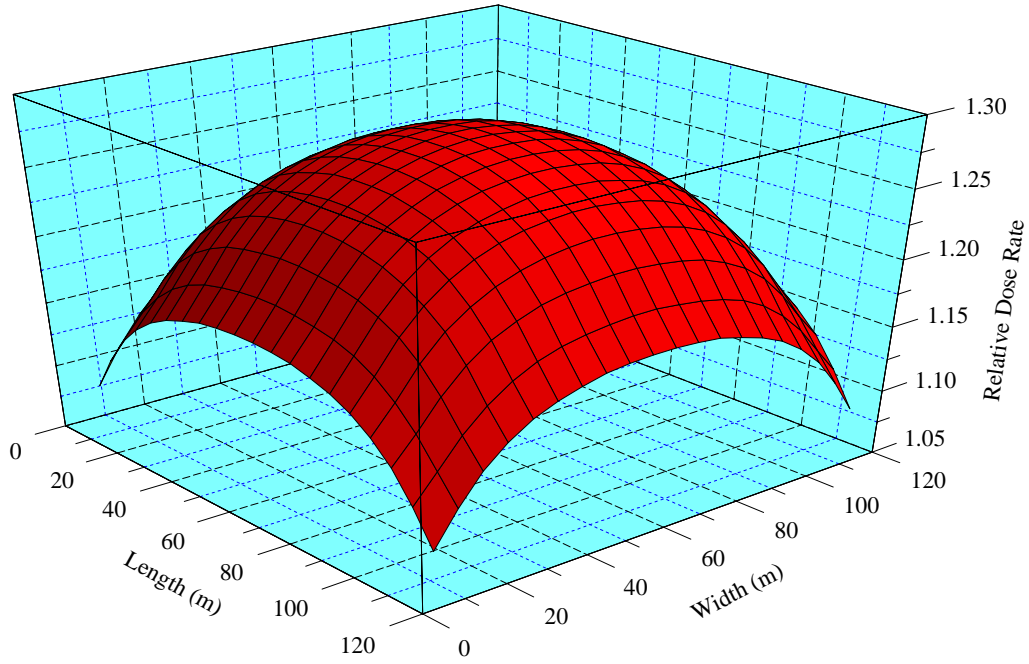


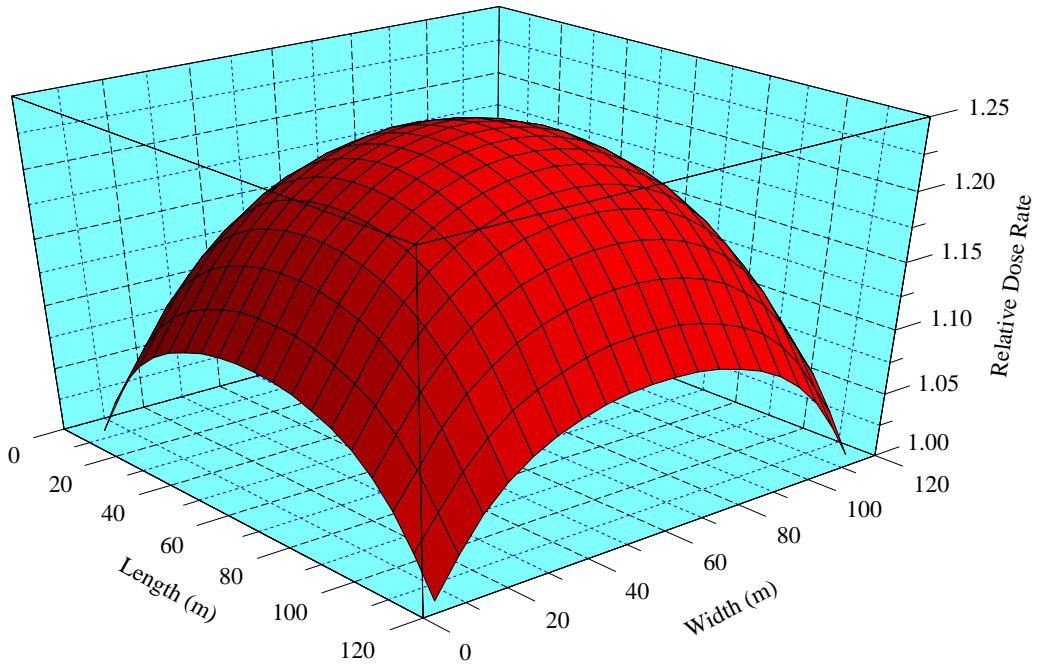
Fig. 2. Photon dose rate inside small room (10 x 10 x10 ft) for a 1 MeV photon source.

Dose Rate Relative to Infinite Plane (100 keV)



**Fig. 3.** Photon dose rate inside large room (400 x 400 x40 ft) for a 100 keV source.

Dose Rate Relative to Infinite Plane (1.0 MeV)



**Fig. 4.** Photon dose rate inside large room (400 x 400 x40 ft) for a 1.0 MeV source.

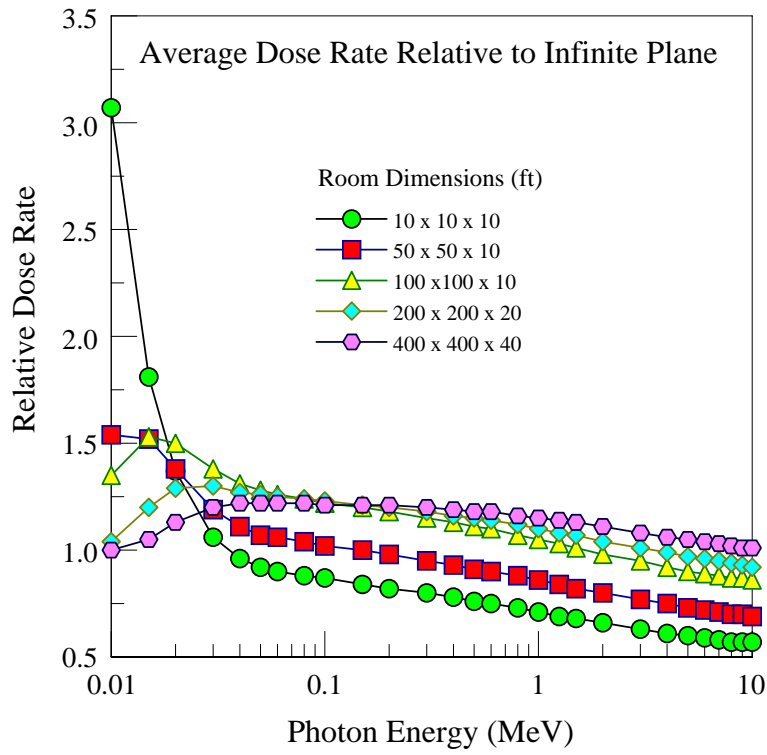


Fig. 5. Average relative photon dose rate for various size rooms.

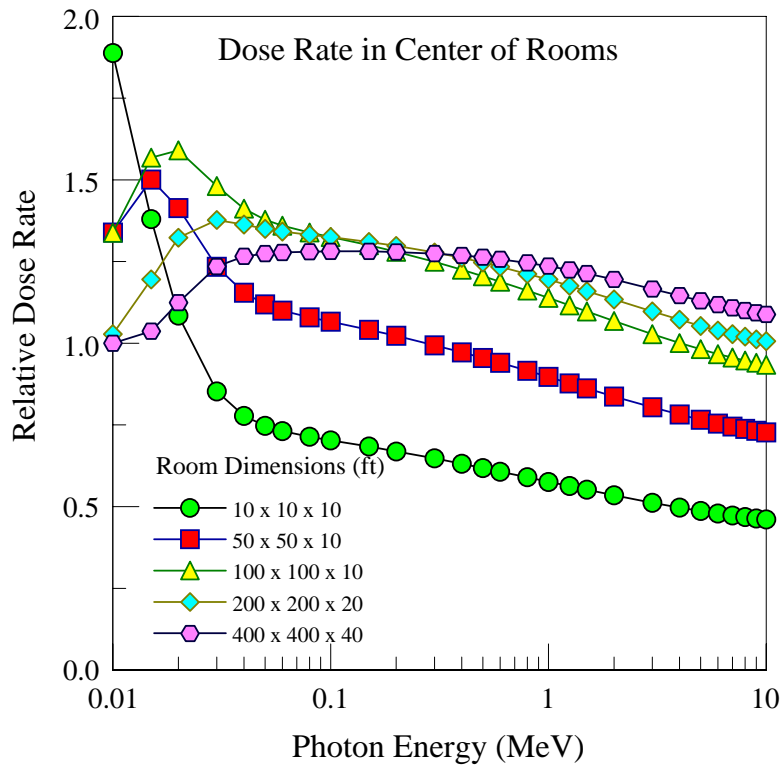
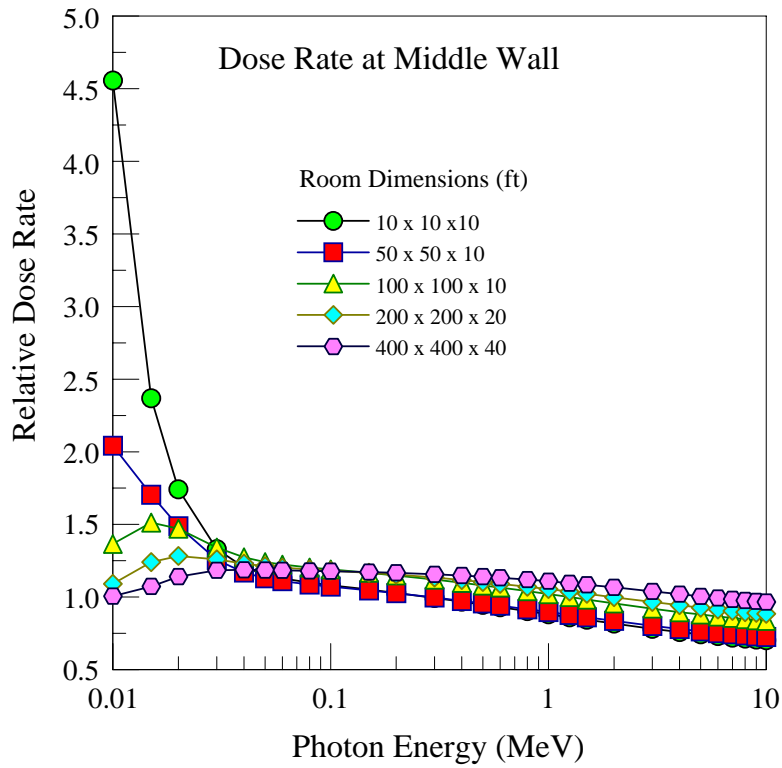
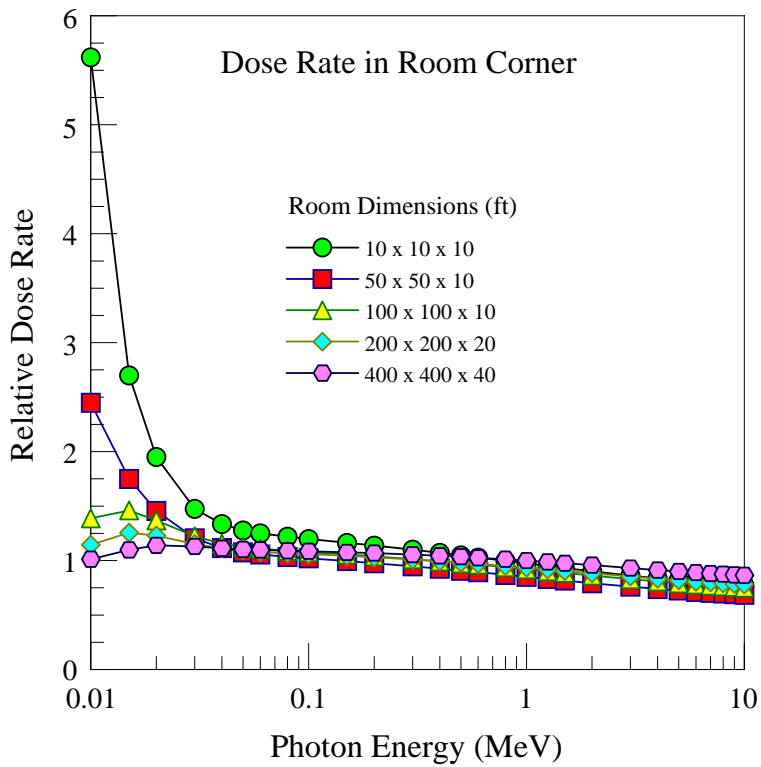


Fig. 6. Relative dose rate in center of rooms of various size.



**Fig. 7. Relative dose rate at middle of wall location in rooms of various size.**



**Fig. 8. Relative dose rate in the corner of rooms of various sizes.**

## References

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Table 1. Ratio of the dose rate at various locations in the 10 x 10 x 10 ft room to that for an infinite plane source.

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
H-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Be-7	7.64E-01	6.21E-01	9.51E-01	1.05E+00
Be-10	8.40E-01	6.84E-01	1.05E+00	1.16E+00
C-11	7.59E-01	6.17E-01	9.45E-01	1.04E+00
N-13	7.59E-01	6.17E-01	9.45E-01	1.04E+00
C-14	8.40E-01	6.84E-01	1.05E+00	1.16E+00
O-15	7.59E-01	6.17E-01	9.45E-01	1.04E+00
F-18	7.59E-01	6.17E-01	9.45E-01	1.04E+00
Ne-19	7.59E-01	6.17E-01	9.45E-01	1.04E+00
Na-22	7.27E-01	5.92E-01	9.06E-01	1.00E+00
Na-24	6.59E-01	5.36E-01	8.18E-01	9.03E-01
Al-26	7.10E-01	5.76E-01	8.81E-01	9.74E-01
Al-28	6.68E-01	5.42E-01	8.27E-01	9.14E-01
Mg-28	7.80E-01	6.33E-01	9.73E-01	1.08E+00
Mg-28+D	7.96E-01	6.96E-01	9.03E-01	9.54E-01
P-30	7.59E-01	6.17E-01	9.45E-01	1.04E+00
Si-31	6.89E-01	5.62E-01	8.60E-01	9.50E-01
P-32	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Si-32	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Si-32+D	8.41E-01	6.86E-01	1.05E+00	1.16E+00
P-33	8.40E-01	6.84E-01	1.05E+00	1.16E+00
S-35	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Cl-36	7.59E-01	6.17E-01	9.45E-01	1.04E+00
Ar-37	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cl-38	6.61E-01	5.36E-01	8.18E-01	9.04E-01
K-38	7.09E-01	5.76E-01	8.81E-01	9.73E-01
Ar-39	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Cl-39	6.93E-01	5.64E-01	8.62E-01	9.52E-01
K-40	6.82E-01	5.54E-01	8.46E-01	9.34E-01
Ar-41	6.88E-01	5.61E-01	8.58E-01	9.47E-01
Ca-41	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K-42	6.79E-01	5.51E-01	8.42E-01	9.30E-01
K-43	7.56E-01	6.11E-01	9.37E-01	1.04E+00
Sc-43	7.65E-01	6.21E-01	9.52E-01	1.05E+00
K-44	6.51E-01	5.29E-01	8.08E-01	8.92E-01
Sc-44m	7.94E-01	6.45E-01	9.89E-01	1.09E+00
Sc-44m+D	7.57E-01	6.27E-01	9.21E-01	1.01E+00
Sc-44	7.31E-01	5.95E-01	9.11E-01	1.01E+00
Ti-44	8.85E-01	7.18E-01	1.11E+00	1.23E+00
Ti-44+D	7.45E-01	6.13E-01	9.17E-01	1.01E+00
Ca-45	2.32E+00	1.61E+00	3.23E+00	3.83E+00
K-45	6.97E-01	5.66E-01	8.65E-01	9.55E-01
Ti-45	7.58E-01	6.16E-01	9.45E-01	1.04E+00
Sc-46	7.08E-01	5.75E-01	8.80E-01	9.72E-01
Ca-47	6.92E-01	5.64E-01	8.63E-01	9.53E-01
Ca-47+D	9.79E-01	9.50E-01	1.01E+00	1.02E+00
Sc-47	8.36E-01	6.81E-01	1.05E+00	1.16E+00
V-47	7.58E-01	6.16E-01	9.44E-01	1.04E+00
Cr-48	8.18E-01	6.62E-01	1.02E+00	1.12E+00
Cr-48+D	7.37E-01	6.11E-01	8.93E-01	9.72E-01
Sc-48	6.98E-01	5.68E-01	8.69E-01	9.60E-01
V-48	7.04E-01	5.72E-01	8.76E-01	9.67E-01
Ca-49	6.26E-01	5.09E-01	7.78E-01	8.59E-01
Cr-49	7.76E-01	6.31E-01	9.67E-01	1.07E+00
Sc-49	6.70E-01	5.43E-01	8.29E-01	9.16E-01
V-49	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cr-51	7.96E-01	6.44E-01	9.88E-01	1.09E+00



Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Mn-51	7.58E-01	6.16E-01	9.44E-01	1.04E+00
Fe-52	7.82E-01	6.36E-01	9.76E-01	1.08E+00
Fe-52+D	7.67E-01	6.47E-01	9.10E-01	9.82E-01
Mn-52m	7.11E-01	5.78E-01	8.84E-01	9.77E-01
Mn-52	6.94E-01	5.64E-01	8.62E-01	9.52E-01
Mn-53	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn-54	7.26E-01	5.87E-01	8.99E-01	9.93E-01
Co-55	7.11E-01	5.78E-01	8.84E-01	9.76E-01
Fe-55	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-56	6.79E-01	5.52E-01	8.43E-01	9.31E-01
Mn-56	6.87E-01	5.56E-01	8.51E-01	9.39E-01
Ni-56	7.44E-01	6.03E-01	9.23E-01	1.02E+00
Ni-56+D	7.67E-01	6.57E-01	8.93E-01	9.54E-01
Co-57	1.45E+00	1.11E+00	1.89E+00	2.15E+00
Ni-57	6.87E-01	5.59E-01	8.54E-01	9.43E-01
Ni-57+D	1.04E+00	1.01E+00	1.06E+00	1.07E+00
Co-58m	1.18E+00	9.42E-01	1.48E+00	1.65E+00
Co-58m+D	7.33E-01	5.93E-01	9.08E-01	1.00E+00
Co-58	7.33E-01	5.93E-01	9.08E-01	1.00E+00
Fe-59	6.96E-01	5.67E-01	8.67E-01	9.58E-01
Ni-59	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60m	8.55E-01	6.95E-01	1.07E+00	1.19E+00
Co-60m+D	6.90E-01	5.63E-01	8.60E-01	9.49E-01
Co-60	6.90E-01	5.62E-01	8.60E-01	9.49E-01
Cu-60	6.87E-01	5.60E-01	8.56E-01	9.46E-01
Fe-60	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Fe-60+D	8.55E-01	6.96E-01	1.07E+00	1.18E+00
Co-61	8.74E-01	7.10E-01	1.09E+00	1.21E+00
Cu-61	7.14E-01	5.81E-01	8.89E-01	9.83E-01
Co-62m	6.83E-01	5.56E-01	8.50E-01	9.39E-01
Cu-62	7.57E-01	6.16E-01	9.43E-01	1.04E+00
Zn-62	7.56E-01	6.13E-01	9.39E-01	1.04E+00
Zn-62+D	8.17E-01	6.96E-01	9.59E-01	1.03E+00
Ni-63	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn-63	7.30E-01	5.92E-01	9.06E-01	1.00E+00
Cu-64	7.57E-01	6.16E-01	9.43E-01	1.04E+00
Ga-65	7.35E-01	5.96E-01	9.13E-01	1.01E+00
Ga-65+D	8.82E-01	8.09E-01	9.57E-01	9.89E-01
Ni-65	6.89E-01	5.60E-01	8.55E-01	9.45E-01
Zn-65	7.01E-01	5.71E-01	8.74E-01	9.65E-01
Cu-66	7.07E-01	5.74E-01	8.79E-01	9.70E-01
Ga-66	7.03E-01	5.71E-01	8.74E-01	9.66E-01
Ge-66	8.35E-01	6.73E-01	1.05E+00	1.16E+00
Ge-66+D	7.63E-01	6.43E-01	9.04E-01	9.75E-01
Ni-66	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Ni-66+D	7.07E-01	5.74E-01	8.79E-01	9.70E-01
Cu-67	8.34E-01	6.79E-01	1.04E+00	1.15E+00
Ga-67	8.20E-01	6.65E-01	1.02E+00	1.13E+00
Ge-67	7.07E-01	5.74E-01	8.79E-01	9.72E-01
Ge-67+D	9.76E-01	9.47E-01	1.00E+00	1.01E+00
Ga-68	7.55E-01	6.14E-01	9.40E-01	1.04E+00
Ge-68	2.98E+00	1.86E+00	4.40E+00	5.41E+00
Ge-68+D	7.55E-01	6.14E-01	9.40E-01	1.04E+00
As-69	7.66E-01	6.21E-01	9.56E-01	1.06E+00
As-69+D	8.52E-01	7.59E-01	9.51E-01	9.96E-01
Ge-69	7.16E-01	5.80E-01	8.95E-01	9.91E-01
Zn-69m	7.72E-01	6.26E-01	9.59E-01	1.06E+00
Zn-69	7.82E-01	6.32E-01	9.72E-01	1.07E+00
As-70	7.43E-01	6.02E-01	9.22E-01	1.02E+00
Ga-70	7.46E-01	6.04E-01	9.34E-01	1.03E+00
Se-70	1.31E+00	9.46E-01	1.79E+00	2.09E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Se-70+D	8.07E-01	6.79E-01	9.46E-01	1.01E+00
As-71	7.73E-01	6.25E-01	9.67E-01	1.07E+00
Ge-71	2.98E+00	1.86E+00	4.40E+00	5.41E+00
Zn-71m	7.40E-01	5.99E-01	9.18E-01	1.01E+00
As-72	7.37E-01	5.96E-01	9.16E-01	1.01E+00
Ga-72	7.45E-01	6.02E-01	9.22E-01	1.02E+00
Zn-72	1.11E+00	8.54E-01	1.44E+00	1.64E+00
Zn-72+D	7.60E-01	6.20E-01	9.28E-01	1.02E+00
As-73	2.50E+00	1.63E+00	3.60E+00	4.36E+00
Ga-73	1.27E+00	9.19E-01	1.71E+00	2.00E+00
Se-73m	1.54E+00	1.09E+00	2.11E+00	2.48E+00
Se-73m+D	1.08E+00	8.66E-01	1.30E+00	1.41E+00
Se-73	1.10E+00	8.15E-01	1.47E+00	1.70E+00
As-74	7.73E-01	6.21E-01	9.66E-01	1.07E+00
Br-74m	7.54E-01	6.07E-01	9.40E-01	1.04E+00
Br-74	7.40E-01	5.95E-01	9.28E-01	1.03E+00
Kr-74	8.67E-01	6.98E-01	1.09E+00	1.22E+00
Kr-74+D	7.91E-01	6.62E-01	9.45E-01	1.02E+00
Br-75	7.67E-01	6.22E-01	9.57E-01	1.06E+00
Br-75+D	1.01E+00	9.28E-01	1.09E+00	1.13E+00
Ge-75	8.40E-01	6.72E-01	1.06E+00	1.18E+00
Se-75	1.04E+00	7.86E-01	1.37E+00	1.57E+00
As-76	7.51E-01	6.08E-01	9.32E-01	1.03E+00
Br-76	8.85E-01	6.89E-01	1.14E+00	1.28E+00
Kr-76	1.68E+00	1.20E+00	2.30E+00	2.69E+00
Kr-76+D	9.11E-01	7.42E-01	1.10E+00	1.19E+00
As-77	8.18E-01	6.58E-01	1.03E+00	1.14E+00
Br-77	1.04E+00	7.92E-01	1.36E+00	1.55E+00
Ge-77	7.89E-01	6.39E-01	9.81E-01	1.08E+00
Kr-77	8.67E-01	6.85E-01	1.10E+00	1.24E+00
Kr-77+D	1.01E+00	9.35E-01	1.08E+00	1.11E+00
Se-77m	2.13E+00	1.44E+00	3.01E+00	3.60E+00
As-78	7.26E-01	5.88E-01	9.01E-01	9.95E-01
Ge-78	8.24E-01	6.64E-01	1.03E+00	1.15E+00
Ge-78+D	7.69E-01	6.42E-01	9.20E-01	9.96E-01
Kr-79	9.25E-01	7.19E-01	1.19E+00	1.34E+00
Rb-79	9.51E-01	7.47E-01	1.21E+00	1.36E+00
Rb-79+D	9.88E-01	9.44E-01	1.02E+00	1.04E+00
Se-79	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Br-80m	2.13E+00	1.48E+00	2.96E+00	3.51E+00
Br-80m+D	9.62E-01	7.91E-01	1.14E+00	1.22E+00
Br-80	9.44E-01	7.24E-01	1.22E+00	1.39E+00
Rb-80	7.83E-01	6.32E-01	9.80E-01	1.09E+00
Sr-80	2.03E+00	1.49E+00	2.73E+00	3.17E+00
Sr-80+D	7.84E-01	6.33E-01	9.80E-01	1.09E+00
Kr-81m	1.65E+00	1.20E+00	2.22E+00	2.58E+00
Kr-81	2.38E+00	1.62E+00	3.33E+00	3.97E+00
Rb-81m	2.01E+00	1.47E+00	2.70E+00	3.13E+00
Rb-81m+D	1.03E+00	7.95E-01	1.33E+00	1.50E+00
Rb-81	1.03E+00	7.92E-01	1.33E+00	1.51E+00
Se-81m	2.18E+00	1.48E+00	3.08E+00	3.68E+00
Se-81m+D	9.34E-01	8.61E-01	9.89E-01	1.01E+00
Se-81	7.63E-01	6.17E-01	9.48E-01	1.05E+00
Sr-81	7.97E-01	6.44E-01	9.94E-01	1.10E+00
Sr-81+D	1.01E+00	9.15E-01	1.10E+00	1.15E+00
Br-82	7.36E-01	5.95E-01	9.12E-01	1.01E+00
Rb-82m	7.48E-01	6.03E-01	9.31E-01	1.03E+00
Rb-82	8.19E-01	6.54E-01	1.03E+00	1.15E+00
Sr-82	2.03E+00	1.49E+00	2.73E+00	3.17E+00
Sr-82+D	8.20E-01	6.55E-01	1.03E+00	1.15E+00
Br-83	7.59E-01	6.16E-01	9.45E-01	1.04E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Br-83+D	1.07E+00	1.04E+00	1.09E+00	1.11E+00
Kr-83m	2.20E+00	1.55E+00	3.02E+00	3.54E+00
Rb-83	1.52E+00	1.11E+00	2.04E+00	2.37E+00
Se-83	7.59E-01	6.16E-01	9.44E-01	1.04E+00
Sr-83	9.98E-01	7.80E-01	1.28E+00	1.44E+00
Sr-83+D	1.20E+00	1.05E+00	1.35E+00	1.42E+00
Br-84	7.12E-01	5.78E-01	8.85E-01	9.77E-01
Rb-84	1.55E+00	1.13E+00	2.09E+00	2.43E+00
Kr-85m	9.19E-01	7.35E-01	1.16E+00	1.30E+00
Kr-85	7.82E-01	6.32E-01	9.77E-01	1.08E+00
Sr-85m	8.93E-01	7.17E-01	1.13E+00	1.25E+00
Sr-85m+D	1.48E+00	1.18E+00	1.80E+00	1.99E+00
Sr-85	1.68E+00	1.25E+00	2.24E+00	2.59E+00
Rb-86	7.05E-01	5.73E-01	8.77E-01	9.69E-01
Y-86m	8.66E-01	7.01E-01	1.09E+00	1.21E+00
Y-86m+D	8.54E-01	6.92E-01	1.06E+00	1.17E+00
Y-86	8.46E-01	6.78E-01	1.06E+00	1.18E+00
Zr-86	1.50E+00	1.17E+00	1.95E+00	2.21E+00
Zr-86+D	8.62E-01	7.05E-01	1.05E+00	1.15E+00
Kr-87	7.16E-01	5.81E-01	8.89E-01	9.83E-01
Rb-87	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Sr-87m	1.01E+00	7.93E-01	1.28E+00	1.43E+00
Y-87	1.58E+00	1.20E+00	2.08E+00	2.37E+00
Y-87+D	1.00E+00	9.23E-01	1.07E+00	1.10E+00
Kr-88	9.33E-01	7.41E-01	1.19E+00	1.33E+00
Kr-88+D	9.10E-01	8.54E-01	9.60E-01	9.81E-01
Nb-88	7.86E-01	6.35E-01	9.83E-01	1.09E+00
Nb-88+D	1.06E+00	9.33E-01	1.19E+00	1.25E+00
Rb-88	6.63E-01	5.37E-01	8.21E-01	9.06E-01
Y-88	1.07E+00	8.30E-01	1.37E+00	1.55E+00
Zr-88	1.48E+00	1.15E+00	1.92E+00	2.18E+00
Zr-88+D	1.06E+00	8.56E-01	1.29E+00	1.41E+00
Nb-89b	7.86E-01	6.37E-01	9.82E-01	1.09E+00
Nb-89b+D	1.14E+00	9.90E-01	1.29E+00	1.37E+00
Nb-89a	8.41E-01	6.77E-01	1.05E+00	1.17E+00
Nb-89a+D	1.11E+00	9.92E-01	1.22E+00	1.28E+00
Rb-89	7.08E-01	5.75E-01	8.81E-01	9.72E-01
Sr-89	7.39E-01	5.97E-01	9.19E-01	1.02E+00
Zr-89	1.26E+00	9.82E-01	1.62E+00	1.83E+00
Mo-90	8.32E-01	6.71E-01	1.04E+00	1.16E+00
Mo-90+D	7.80E-01	6.50E-01	9.41E-01	1.02E+00
Nb-90	7.42E-01	6.01E-01	9.28E-01	1.03E+00
Sr-90	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Sr-90+D	1.64E+00	1.28E+00	2.10E+00	2.36E+00
Y-90m	9.09E-01	7.29E-01	1.15E+00	1.28E+00
Y-90	1.67E+00	1.29E+00	2.16E+00	2.45E+00
Sr-91	7.31E-01	5.92E-01	9.06E-01	1.00E+00
Sr-91+D	9.47E-01	8.65E-01	1.03E+00	1.06E+00
Y-91m	8.64E-01	6.92E-01	1.09E+00	1.21E+00
Y-91	6.94E-01	5.66E-01	8.66E-01	9.56E-01
Sr-92	6.87E-01	5.59E-01	8.54E-01	9.43E-01
Sr-92+D	9.33E-01	8.86E-01	9.76E-01	9.94E-01
Y-92	7.05E-01	5.72E-01	8.75E-01	9.67E-01
Mo-93m	7.88E-01	6.35E-01	9.83E-01	1.09E+00
Mo-93	1.58E+00	1.24E+00	2.04E+00	2.30E+00
Nb-93m	1.58E+00	1.24E+00	2.04E+00	2.30E+00
Tc-93m	9.05E-01	7.26E-01	1.13E+00	1.26E+00
Tc-93m+D	9.93E-01	8.53E-01	1.15E+00	1.23E+00
Tc-93	9.90E-01	7.90E-01	1.25E+00	1.40E+00
Y-93	6.72E-01	5.45E-01	8.32E-01	9.19E-01
Zr-93	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Nb-94	7.32E-01	5.92E-01	9.07E-01	1.00E+00
Ru-94	1.16E+00	9.25E-01	1.48E+00	1.65E+00
Ru-94+D	8.50E-01	7.20E-01	1.00E+00	1.07E+00
Tc-94m	8.00E-01	6.45E-01	1.00E+00	1.11E+00
Tc-94	7.93E-01	6.39E-01	9.87E-01	1.09E+00
Y-94	6.89E-01	5.58E-01	8.54E-01	9.43E-01
Nb-95m	1.48E+00	1.16E+00	1.90E+00	2.14E+00
Nb-95m+D	7.65E-01	6.30E-01	9.22E-01	1.01E+00
Nb-95	7.36E-01	5.94E-01	9.10E-01	1.01E+00
Tc-95m	7.70E-01	6.22E-01	9.58E-01	1.06E+00
Tc-95m+D	9.90E-01	9.76E-01	1.00E+00	1.01E+00
Tc-95	8.31E-01	6.67E-01	1.04E+00	1.15E+00
Y-95	6.86E-01	5.57E-01	8.51E-01	9.40E-01
Y-95+D	8.09E-01	6.89E-01	9.40E-01	1.01E+00
Zr-95	7.38E-01	5.96E-01	9.13E-01	1.01E+00
Zr-95+D	8.46E-01	7.43E-01	9.52E-01	1.00E+00
Nb-96	7.38E-01	5.97E-01	9.14E-01	1.01E+00
Tc-96m	1.10E+00	8.76E-01	1.39E+00	1.55E+00
Tc-96m+D	7.40E-01	6.00E-01	9.10E-01	1.00E+00
Tc-96	7.34E-01	5.93E-01	9.08E-01	1.00E+00
Nb-97m	7.71E-01	6.21E-01	9.57E-01	1.06E+00
Nb-97m+D	8.62E-01	7.63E-01	9.62E-01	1.01E+00
Nb-97	7.44E-01	6.01E-01	9.21E-01	1.02E+00
Ru-97	1.08E+00	8.67E-01	1.37E+00	1.53E+00
Tc-97m	1.44E+00	1.13E+00	1.83E+00	2.06E+00
Tc-97	1.50E+00	1.18E+00	1.93E+00	2.17E+00
Zr-97	7.33E-01	5.94E-01	9.10E-01	1.00E+00
Zr-97+D	7.79E-01	6.39E-01	9.46E-01	1.03E+00
Nb-98	7.02E-01	5.69E-01	8.70E-01	9.62E-01
Tc-98	7.42E-01	5.99E-01	9.18E-01	1.01E+00
Mo-99	9.26E-01	7.47E-01	1.16E+00	1.29E+00
Mo-99+D	9.93E-01	8.98E-01	1.09E+00	1.14E+00
Rh-99m	7.47E-01	6.06E-01	9.31E-01	1.03E+00
Rh-99	8.25E-01	6.66E-01	1.03E+00	1.14E+00
Tc-99m	9.84E-01	7.93E-01	1.24E+00	1.38E+00
Tc-99	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Pd-100	1.13E+00	9.02E-01	1.42E+00	1.59E+00
Pd-100+D	8.00E-01	6.54E-01	9.84E-01	1.08E+00
Rh-100	7.89E-01	6.39E-01	9.83E-01	1.09E+00
Mo-101	8.58E-01	6.94E-01	1.07E+00	1.19E+00
Mo-101+D	9.50E-01	9.02E-01	9.94E-01	1.01E+00
Pd-101	8.17E-01	6.60E-01	1.02E+00	1.13E+00
Pd-101+D	9.10E-01	8.05E-01	1.02E+00	1.07E+00
Rh-101m	8.28E-01	6.69E-01	1.03E+00	1.14E+00
Rh-101m+D	9.95E-01	9.78E-01	1.01E+00	1.01E+00
Rh-101	9.25E-01	7.46E-01	1.16E+00	1.29E+00
Tc-101	7.82E-01	6.33E-01	9.71E-01	1.07E+00
Ag-102	6.96E-01	5.65E-01	8.64E-01	9.54E-01
Rh-102m	1.27E+00	1.01E+00	1.61E+00	1.80E+00
Rh-102m+D	9.62E-01	9.29E-01	9.91E-01	1.00E+00
Rh-102	7.43E-01	6.01E-01	9.23E-01	1.02E+00
Ag-103	9.61E-01	7.74E-01	1.21E+00	1.34E+00
Pd-103	1.33E+00	1.06E+00	1.69E+00	1.89E+00
Pd-103+D	1.03E+00	1.01E+00	1.04E+00	1.05E+00
Rh-103m	1.33E+00	1.05E+00	1.69E+00	1.89E+00
Ru-103	7.59E-01	6.17E-01	9.45E-01	1.04E+00
Ag-104m	7.49E-01	6.06E-01	9.32E-01	1.03E+00
Ag-104m+D	8.71E-01	7.78E-01	9.65E-01	1.01E+00
Ag-104	7.43E-01	6.01E-01	9.21E-01	1.02E+00
Cd-104	9.76E-01	7.84E-01	1.22E+00	1.36E+00
Cd-104+D	7.65E-01	6.29E-01	9.29E-01	1.02E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Tc-104	7.88E-01	6.38E-01	9.78E-01	1.08E+00
Ag-105	8.17E-01	6.60E-01	1.01E+00	1.12E+00
Rh-105	8.04E-01	6.51E-01	9.99E-01	1.10E+00
Ru-105	7.88E-01	6.38E-01	9.78E-01	1.08E+00
Ru-105+D	9.78E-01	9.53E-01	1.00E+00	1.01E+00
Ag-106m	7.66E-01	6.21E-01	9.52E-01	1.05E+00
Ag-106	9.14E-01	7.37E-01	1.15E+00	1.27E+00
Rh-106m	7.44E-01	6.02E-01	9.22E-01	1.02E+00
Rh-106	7.59E-01	6.17E-01	9.45E-01	1.04E+00
Ru-106	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ru-106+D	7.59E-01	6.17E-01	9.45E-01	1.04E+00
Cd-107	1.16E+00	9.29E-01	1.47E+00	1.63E+00
Pd-107	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rh-107	7.92E-01	6.41E-01	9.83E-01	1.09E+00
Ag-108m	7.73E-01	6.25E-01	9.60E-01	1.06E+00
Ag-108	7.66E-01	6.19E-01	9.51E-01	1.05E+00
Ag-109m	1.24E+00	9.86E-01	1.56E+00	1.74E+00
Cd-109	1.24E+00	9.92E-01	1.57E+00	1.75E+00
In-109	8.13E-01	6.59E-01	1.01E+00	1.12E+00
In-109+D	1.01E+00	1.00E+00	1.02E+00	1.02E+00
Pd-109	1.22E+00	9.76E-01	1.54E+00	1.72E+00
Ag-110m	8.66E-01	6.99E-01	1.08E+00	1.20E+00
Ag-110	7.48E-01	6.04E-01	9.26E-01	1.02E+00
In-110b	7.52E-01	6.08E-01	9.31E-01	1.03E+00
In-110a	7.77E-01	6.28E-01	9.67E-01	1.07E+00
Sn-110	1.01E+00	8.15E-01	1.27E+00	1.41E+00
Sn-110+D	8.14E-01	6.79E-01	9.74E-01	1.05E+00
Ag-111	8.00E-01	6.47E-01	9.94E-01	1.10E+00
In-111	9.97E-01	8.03E-01	1.25E+00	1.39E+00
Sn-111	7.95E-01	6.43E-01	9.91E-01	1.10E+00
Sn-111+D	9.99E-01	8.91E-01	1.11E+00	1.16E+00
Ag-112	7.45E-01	6.03E-01	9.23E-01	1.02E+00
In-112	9.58E-01	7.71E-01	1.20E+00	1.33E+00
Cd-113m	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Cd-113	8.40E-01	6.84E-01	1.05E+00	1.16E+00
In-113m	9.33E-01	7.51E-01	1.17E+00	1.29E+00
Sn-113	1.17E+00	9.38E-01	1.48E+00	1.64E+00
Sn-113+D	9.39E-01	7.69E-01	1.15E+00	1.26E+00
In-114m	9.77E-01	7.87E-01	1.23E+00	1.36E+00
In-114	7.98E-01	6.46E-01	9.98E-01	1.10E+00
Ag-115	7.56E-01	6.12E-01	9.38E-01	1.04E+00
Ag-115+D	9.18E-01	8.35E-01	1.00E+00	1.04E+00
Cd-115m	7.04E-01	5.72E-01	8.75E-01	9.67E-01
Cd-115	7.73E-01	6.27E-01	9.63E-01	1.06E+00
Cd-115+D	9.33E-01	8.39E-01	1.03E+00	1.07E+00
In-115m	8.57E-01	6.92E-01	1.07E+00	1.18E+00
In-115	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Sb-115	8.05E-01	6.53E-01	1.00E+00	1.11E+00
In-116m	7.77E-01	6.29E-01	9.65E-01	1.07E+00
Sb-116m	7.33E-01	5.96E-01	9.13E-01	1.01E+00
Sb-116	7.73E-01	6.27E-01	9.65E-01	1.07E+00
Te-116	1.08E+00	8.64E-01	1.35E+00	1.50E+00
Te-116+D	7.81E-01	6.38E-01	9.67E-01	1.06E+00
Cd-117m	7.56E-01	6.13E-01	9.39E-01	1.04E+00
Cd-117m+D	9.34E-01	8.69E-01	9.98E-01	1.03E+00
Cd-117	7.96E-01	6.44E-01	9.88E-01	1.09E+00
Cd-117+D	9.34E-01	8.64E-01	1.00E+00	1.03E+00
In-117m	8.62E-01	6.98E-01	1.08E+00	1.19E+00
In-117m+D	8.36E-01	7.04E-01	9.94E-01	1.07E+00
In-117	7.96E-01	6.46E-01	9.92E-01	1.10E+00
Sb-117	1.02E+00	8.20E-01	1.28E+00	1.42E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Sn-117m	1.00E+00	8.07E-01	1.26E+00	1.40E+00
Sb-118m	7.76E-01	6.30E-01	9.69E-01	1.07E+00
In-119m	9.69E-01	7.79E-01	1.22E+00	1.35E+00
In-119m+D	8.74E-01	7.75E-01	9.75E-01	1.02E+00
In-119	7.64E-01	6.17E-01	9.47E-01	1.05E+00
Sb-119	1.15E+00	9.24E-01	1.45E+00	1.61E+00
Sn-119m	1.16E+00	9.29E-01	1.46E+00	1.62E+00
I-120m	7.24E-01	5.87E-01	8.99E-01	9.93E-01
I-120	7.56E-01	6.13E-01	9.40E-01	1.04E+00
Sb-120b	7.94E-01	6.44E-01	9.93E-01	1.10E+00
Sb-120a	9.18E-01	7.41E-01	1.15E+00	1.27E+00
Xe-120	9.23E-01	7.46E-01	1.15E+00	1.28E+00
Xe-120+D	7.88E-01	6.55E-01	9.50E-01	1.03E+00
I-121	7.89E-01	6.40E-01	9.83E-01	1.09E+00
I-121+D	8.92E-01	7.75E-01	1.02E+00	1.08E+00
Sn-121m	1.09E+00	8.79E-01	1.37E+00	1.53E+00
Sn-121	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Te-121m	8.36E-01	6.80E-01	1.05E+00	1.16E+00
Te-121m+D	8.75E-01	7.44E-01	1.03E+00	1.10E+00
Te-121	8.31E-01	6.72E-01	1.04E+00	1.15E+00
Xe-121	7.96E-01	6.45E-01	9.90E-01	1.09E+00
Xe-121+D	9.21E-01	8.38E-01	1.01E+00	1.04E+00
I-122	7.63E-01	6.19E-01	9.50E-01	1.05E+00
Sb-122	7.51E-01	6.09E-01	9.32E-01	1.03E+00
Xe-122	8.12E-01	6.57E-01	1.01E+00	1.12E+00
Xe-122+D	7.76E-01	6.36E-01	9.53E-01	1.05E+00
I-123	9.69E-01	7.82E-01	1.21E+00	1.35E+00
Sn-123m	8.84E-01	7.18E-01	1.11E+00	1.23E+00
Sn-123	7.03E-01	5.71E-01	8.75E-01	9.66E-01
Te-123m	9.41E-01	7.62E-01	1.18E+00	1.31E+00
Te-123	1.12E+00	8.97E-01	1.40E+00	1.56E+00
Xe-123	8.12E-01	6.59E-01	1.01E+00	1.12E+00
Xe-123+D	9.92E-01	9.36E-01	1.05E+00	1.07E+00
I-124	7.56E-01	6.12E-01	9.38E-01	1.04E+00
Sb-124n	1.17E+00	9.39E-01	1.48E+00	1.65E+00
Sb-124n+D	7.46E-01	6.04E-01	9.25E-01	1.02E+00
Sb-124m	7.51E-01	6.08E-01	9.32E-01	1.03E+00
Sb-124m+D	7.86E-01	6.56E-01	9.38E-01	1.02E+00
Sb-124	7.45E-01	6.03E-01	9.23E-01	1.02E+00
Cs-125	7.68E-01	6.23E-01	9.56E-01	1.06E+00
Cs-125+D	9.49E-01	8.72E-01	1.02E+00	1.06E+00
I-125	1.08E+00	8.71E-01	1.36E+00	1.51E+00
Sb-125	7.61E-01	6.16E-01	9.45E-01	1.04E+00
Sn-125	7.25E-01	5.86E-01	8.98E-01	9.92E-01
Sn-125+D	8.45E-01	7.31E-01	9.71E-01	1.03E+00
Te-125m	1.08E+00	8.69E-01	1.36E+00	1.51E+00
Xe-125	8.27E-01	6.70E-01	1.03E+00	1.14E+00
Xe-125+D	1.01E+00	9.75E-01	1.05E+00	1.06E+00
Ba-126	9.15E-01	7.40E-01	1.15E+00	1.27E+00
Ba-126+D	7.97E-01	6.62E-01	9.64E-01	1.05E+00
Cs-126	7.69E-01	6.25E-01	9.58E-01	1.06E+00
I-126	7.70E-01	6.22E-01	9.55E-01	1.06E+00
Sb-126m	7.47E-01	6.04E-01	9.25E-01	1.02E+00
Sb-126m+D	9.33E-01	8.80E-01	9.81E-01	1.00E+00
Sb-126	7.38E-01	5.97E-01	9.14E-01	1.01E+00
Sn-126	9.61E-01	7.75E-01	1.20E+00	1.33E+00
Sn-126+D	7.52E-01	6.11E-01	9.25E-01	1.02E+00
Cs-127	8.03E-01	6.50E-01	9.99E-01	1.10E+00
Cs-127+D	9.47E-01	8.56E-01	1.04E+00	1.08E+00
Sb-127	7.61E-01	6.18E-01	9.47E-01	1.05E+00
Sn-127	8.47E-01	6.89E-01	1.06E+00	1.17E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Sn-127+D	9.26E-01	8.65E-01	9.86E-01	1.01E+00
Te-127m	1.06E+00	8.57E-01	1.34E+00	1.48E+00
Te-127m+D	9.36E-01	8.74E-01	9.93E-01	1.02E+00
Te-127	7.82E-01	6.33E-01	9.71E-01	1.07E+00
Xe-127	8.82E-01	7.15E-01	1.10E+00	1.22E+00
Ba-128	9.86E-01	7.96E-01	1.23E+00	1.37E+00
Ba-128+D	7.93E-01	6.53E-01	9.70E-01	1.06E+00
Cs-128	7.76E-01	6.30E-01	9.67E-01	1.07E+00
I-128	7.79E-01	6.31E-01	9.69E-01	1.07E+00
Sb-128b	7.64E-01	6.20E-01	9.50E-01	1.05E+00
Sb-128a	7.35E-01	5.95E-01	9.11E-01	1.01E+00
Sn-128	8.29E-01	6.71E-01	1.03E+00	1.15E+00
Sn-128+D	7.93E-01	6.70E-01	9.34E-01	1.01E+00
Cs-129	7.92E-01	6.41E-01	9.83E-01	1.09E+00
I-129	1.03E+00	8.34E-01	1.30E+00	1.44E+00
Sb-129	7.50E-01	6.08E-01	9.31E-01	1.03E+00
Sb-129+D	9.89E-01	9.76E-01	1.00E+00	1.01E+00
Te-129m	1.08E+00	8.65E-01	1.35E+00	1.50E+00
Te-129m+D	8.88E-01	7.97E-01	9.84E-01	1.03E+00
Te-129	7.72E-01	6.27E-01	9.62E-01	1.06E+00
Xe-129m	1.03E+00	8.33E-01	1.30E+00	1.44E+00
Cs-130	8.04E-01	6.52E-01	1.00E+00	1.11E+00
I-130	7.47E-01	6.04E-01	9.25E-01	1.02E+00
Sb-130	7.35E-01	5.94E-01	9.09E-01	1.00E+00
Ba-131m	9.31E-01	7.52E-01	1.16E+00	1.29E+00
Ba-131m+D	8.41E-01	6.97E-01	1.01E+00	1.10E+00
Ba-131	8.05E-01	6.52E-01	1.00E+00	1.11E+00
Ba-131+D	1.00E+00	9.88E-01	1.02E+00	1.02E+00
Cs-131	1.05E+00	8.46E-01	1.32E+00	1.46E+00
I-131	7.77E-01	6.29E-01	9.64E-01	1.07E+00
La-131	7.84E-01	6.35E-01	9.75E-01	1.08E+00
La-131+D	9.13E-01	8.20E-01	1.01E+00	1.05E+00
Sb-131	7.25E-01	5.87E-01	8.99E-01	9.93E-01
Sb-131+D	9.27E-01	8.46E-01	1.01E+00	1.04E+00
Te-131m	9.09E-01	7.36E-01	1.14E+00	1.26E+00
Te-131m+D	9.42E-01	8.85E-01	9.95E-01	1.02E+00
Te-131	8.30E-01	6.73E-01	1.04E+00	1.15E+00
Te-131+D	8.83E-01	7.86E-01	9.83E-01	1.03E+00
Xe-131m	1.04E+00	8.41E-01	1.31E+00	1.45E+00
Cs-132	7.47E-01	6.04E-01	9.25E-01	1.02E+00
I-132m	7.55E-01	6.11E-01	9.36E-01	1.03E+00
I-132m+D	8.02E-01	6.64E-01	9.71E-01	1.06E+00
I-132	7.77E-01	6.30E-01	9.66E-01	1.07E+00
La-132	7.57E-01	6.14E-01	9.41E-01	1.04E+00
Te-132	8.86E-01	7.19E-01	1.11E+00	1.23E+00
Te-132+D	7.96E-01	6.56E-01	9.69E-01	1.06E+00
Ba-133m	1.02E+00	8.13E-01	1.29E+00	1.44E+00
Ba-133m+D	8.51E-01	7.07E-01	1.02E+00	1.11E+00
Ba-133	8.26E-01	6.68E-01	1.03E+00	1.14E+00
I-133	7.57E-01	6.15E-01	9.42E-01	1.04E+00
I-133+D	9.97E-01	9.75E-01	1.02E+00	1.02E+00
Te-133m	8.47E-01	6.89E-01	1.06E+00	1.17E+00
Te-133m+D	9.31E-01	8.73E-01	9.87E-01	1.01E+00
Te-133	7.03E-01	5.72E-01	8.74E-01	9.66E-01
Te-133+D	8.85E-01	7.92E-01	9.83E-01	1.03E+00
Xe-133m	1.02E+00	8.20E-01	1.27E+00	1.41E+00
Xe-133m+D	9.82E-01	8.72E-01	1.10E+00	1.15E+00
Xe-133	9.65E-01	7.80E-01	1.21E+00	1.34E+00
Ce-134	1.00E+00	8.11E-01	1.26E+00	1.40E+00
Ce-134+D	7.90E-01	6.47E-01	9.76E-01	1.07E+00
Cs-134m	1.07E+00	8.43E-01	1.36E+00	1.52E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Cs-134m+D	7.41E-01	6.01E-01	9.13E-01	1.01E+00
Cs-134	7.36E-01	5.95E-01	9.11E-01	1.01E+00
I-134	7.56E-01	6.13E-01	9.39E-01	1.04E+00
La-134	7.82E-01	6.35E-01	9.75E-01	1.08E+00
Te-134	7.48E-01	6.05E-01	9.27E-01	1.02E+00
Te-134+D	8.06E-01	6.79E-01	9.54E-01	1.03E+00
Ba-135m	9.65E-01	7.80E-01	1.21E+00	1.34E+00
Ce-135	8.08E-01	6.56E-01	1.01E+00	1.11E+00
Cs-135m	7.33E-01	5.92E-01	9.07E-01	1.00E+00
Cs-135	8.40E-01	6.84E-01	1.05E+00	1.16E+00
I-135	7.92E-01	6.42E-01	9.84E-01	1.09E+00
I-135+D	9.57E-01	9.13E-01	9.98E-01	1.02E+00
La-135	9.26E-01	7.49E-01	1.16E+00	1.28E+00
Xe-135m	7.65E-01	6.21E-01	9.52E-01	1.05E+00
Xe-135m+D	9.16E-01	8.33E-01	1.00E+00	1.04E+00
Xe-135	8.03E-01	6.52E-01	1.00E+00	1.11E+00
Cs-136	7.22E-01	5.85E-01	8.96E-01	9.90E-01
Nd-136	7.65E-01	6.21E-01	9.52E-01	1.05E+00
Nd-136+D	7.48E-01	6.19E-01	9.09E-01	9.92E-01
Pr-136	7.20E-01	5.85E-01	8.97E-01	9.91E-01
Ba-137m	7.60E-01	6.14E-01	9.42E-01	1.04E+00
Ce-137m	9.04E-01	7.32E-01	1.13E+00	1.25E+00
Ce-137m+D	1.01E+00	9.13E-01	1.11E+00	1.16E+00
Ce-137	1.03E+00	8.19E-01	1.30E+00	1.45E+00
Cs-137	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Cs-137+D	7.60E-01	6.14E-01	9.42E-01	1.04E+00
La-137	1.02E+00	8.22E-01	1.28E+00	1.42E+00
Pr-137	7.65E-01	6.21E-01	9.53E-01	1.05E+00
Pr-137+D	1.00E+00	9.81E-01	1.02E+00	1.03E+00
Cs-138	7.63E-01	6.19E-01	9.49E-01	1.05E+00
La-138	7.10E-01	5.76E-01	8.81E-01	9.73E-01
Nd-138	9.09E-01	7.36E-01	1.14E+00	1.26E+00
Nd-138+D	7.73E-01	6.34E-01	9.52E-01	1.05E+00
Pr-138m	7.41E-01	6.00E-01	9.18E-01	1.01E+00
Pr-138	7.62E-01	6.19E-01	9.49E-01	1.05E+00
Xe-138	7.81E-01	6.33E-01	9.72E-01	1.08E+00
Xe-138+D	8.27E-01	7.06E-01	9.65E-01	1.03E+00
Ba-139	8.20E-01	6.67E-01	1.03E+00	1.13E+00
Ce-139	9.16E-01	7.43E-01	1.15E+00	1.27E+00
Nd-139m	7.91E-01	6.41E-01	9.84E-01	1.09E+00
Nd-139m+D	9.76E-01	9.29E-01	1.02E+00	1.04E+00
Nd-139	7.45E-01	6.05E-01	9.27E-01	1.02E+00
Nd-139+D	9.57E-01	8.60E-01	1.06E+00	1.11E+00
Pr-139	9.03E-01	7.31E-01	1.13E+00	1.25E+00
Pr-139+D	9.51E-01	8.36E-01	1.08E+00	1.14E+00
Ba-140	7.80E-01	6.32E-01	9.72E-01	1.08E+00
Ba-140+D	7.56E-01	6.20E-01	9.25E-01	1.01E+00
La-140	7.40E-01	6.00E-01	9.19E-01	1.02E+00
Ba-141	7.79E-01	6.32E-01	9.69E-01	1.07E+00
Ba-141+D	9.69E-01	9.34E-01	1.00E+00	1.01E+00
Ce-141	8.73E-01	7.09E-01	1.09E+00	1.21E+00
La-141	6.84E-01	5.57E-01	8.51E-01	9.40E-01
La-141+D	9.11E-01	7.83E-01	1.06E+00	1.13E+00
Nd-141m	7.39E-01	5.97E-01	9.14E-01	1.01E+00
Nd-141m+D	9.90E-01	9.62E-01	1.01E+00	1.02E+00
Nd-141	9.14E-01	7.41E-01	1.15E+00	1.27E+00
Pm-141	7.53E-01	6.12E-01	9.37E-01	1.04E+00
Pm-141+D	9.89E-01	9.62E-01	1.01E+00	1.02E+00
Sm-141m	7.72E-01	6.27E-01	9.62E-01	1.06E+00
Sm-141m+D	9.18E-01	8.48E-01	9.87E-01	1.02E+00
Sm-141	7.17E-01	5.82E-01	8.91E-01	9.85E-01



Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Sm-141+D	8.95E-01	8.11E-01	9.83E-01	1.02E+00
Ba-142	8.01E-01	6.49E-01	9.97E-01	1.10E+00
Ba-142+D	8.16E-01	6.94E-01	9.57E-01	1.03E+00
La-142	7.56E-01	6.13E-01	9.39E-01	1.04E+00
Pm-142	7.60E-01	6.18E-01	9.47E-01	1.05E+00
Pr-142m	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pr-142m+D	6.77E-01	5.49E-01	8.39E-01	9.27E-01
Pr-142	6.77E-01	5.49E-01	8.39E-01	9.27E-01
Sm-142	9.06E-01	7.35E-01	1.14E+00	1.26E+00
Sm-142+D	7.82E-01	6.46E-01	9.53E-01	1.04E+00
Ce-143	8.04E-01	6.52E-01	1.00E+00	1.11E+00
La-143	7.17E-01	5.82E-01	8.90E-01	9.84E-01
La-143+D	8.43E-01	7.10E-01	1.00E+00	1.08E+00
Pm-143	8.56E-01	6.92E-01	1.07E+00	1.18E+00
Pr-143	7.36E-01	5.95E-01	9.11E-01	1.01E+00
Ce-144	8.65E-01	7.02E-01	1.08E+00	1.20E+00
Ce-144+D	7.82E-01	6.74E-01	9.01E-01	9.58E-01
Pm-144	7.55E-01	6.11E-01	9.36E-01	1.03E+00
Pr-144m	9.59E-01	7.76E-01	1.20E+00	1.33E+00
Pr-144m+D	7.59E-01	6.45E-01	8.88E-01	9.51E-01
Pr-144	6.79E-01	5.50E-01	8.41E-01	9.29E-01
Eu-145	7.51E-01	6.08E-01	9.31E-01	1.03E+00
Eu-145+D	9.96E-01	9.76E-01	1.01E+00	1.02E+00
Gd-145	6.70E-01	5.43E-01	8.30E-01	9.16E-01
Gd-145+D	8.79E-01	7.84E-01	9.77E-01	1.02E+00
Pm-145	9.65E-01	7.81E-01	1.21E+00	1.34E+00
Pr-145	7.33E-01	5.95E-01	9.11E-01	1.01E+00
Sm-145	9.52E-01	7.72E-01	1.19E+00	1.32E+00
Sm-145+D	9.88E-01	9.16E-01	1.06E+00	1.09E+00
Eu-146	7.46E-01	6.03E-01	9.23E-01	1.02E+00
Gd-146	8.86E-01	7.19E-01	1.11E+00	1.23E+00
Gd-146+D	7.67E-01	6.30E-01	9.31E-01	1.02E+00
Pm-146	7.50E-01	6.07E-01	9.29E-01	1.03E+00
Sm-146	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Eu-147	7.40E-01	5.99E-01	9.17E-01	1.01E+00
Gd-147	8.10E-01	6.58E-01	1.01E+00	1.12E+00
Gd-147+D	9.18E-01	8.55E-01	9.78E-01	1.00E+00
Nd-147	7.78E-01	6.31E-01	9.68E-01	1.07E+00
Pm-147	8.84E-01	7.17E-01	1.10E+00	1.22E+00
Pr-147	7.84E-01	6.36E-01	9.76E-01	1.08E+00
Pr-147+D	9.61E-01	9.24E-01	9.95E-01	1.01E+00
Sm-147	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tb-147	7.26E-01	5.90E-01	9.04E-01	9.99E-01
Tb-147+D	8.72E-01	7.63E-01	9.91E-01	1.05E+00
Eu-148	8.22E-01	6.66E-01	1.02E+00	1.13E+00
Gd-148	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pm-148m	7.50E-01	6.07E-01	9.30E-01	1.03E+00
Pm-148	7.08E-01	5.74E-01	8.78E-01	9.70E-01
Eu-149	8.51E-01	6.90E-01	1.06E+00	1.18E+00
Gd-149	7.79E-01	6.31E-01	9.68E-01	1.07E+00
Gd-149+D	9.75E-01	9.39E-01	1.01E+00	1.02E+00
Nd-149	8.40E-01	6.83E-01	1.05E+00	1.16E+00
Pm-149	7.87E-01	6.38E-01	9.78E-01	1.08E+00
Tb-149	7.35E-01	5.94E-01	9.10E-01	1.01E+00
Tb-149+D	9.17E-01	8.42E-01	9.89E-01	1.02E+00
Eu-150b	7.94E-01	6.43E-01	9.86E-01	1.09E+00
Eu-150a	7.28E-01	5.91E-01	9.06E-01	1.00E+00
Pm-150	7.89E-01	6.38E-01	9.79E-01	1.08E+00
Tb-150	7.40E-01	5.99E-01	9.18E-01	1.01E+00
Gd-151	8.62E-01	7.00E-01	1.08E+00	1.19E+00
Nd-151	8.42E-01	6.85E-01	1.05E+00	1.17E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Nd-151+D	9.62E-01	9.00E-01	1.02E+00	1.05E+00
Pm-151	8.74E-01	7.07E-01	1.09E+00	1.21E+00
Sm-151	1.30E+00	1.03E+00	1.65E+00	1.84E+00
Tb-151	7.76E-01	6.30E-01	9.66E-01	1.07E+00
Tb-151+D	9.88E-01	9.69E-01	1.01E+00	1.01E+00
Eu-152m	8.12E-01	6.58E-01	1.01E+00	1.12E+00
Eu-152	8.27E-01	6.72E-01	1.03E+00	1.14E+00
Gd-152	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Gd-153	8.92E-01	7.22E-01	1.11E+00	1.23E+00
Sm-153	8.78E-01	7.10E-01	1.09E+00	1.21E+00
Tb-153	8.52E-01	6.93E-01	1.07E+00	1.18E+00
Tb-153+D	9.62E-01	8.87E-01	1.03E+00	1.07E+00
Eu-154	8.63E-01	6.99E-01	1.08E+00	1.19E+00
Tb-154	7.78E-01	6.31E-01	9.68E-01	1.07E+00
Dy-155	8.15E-01	6.64E-01	1.02E+00	1.13E+00
Dy-155+D	9.69E-01	9.20E-01	1.02E+00	1.04E+00
Eu-155	8.78E-01	7.11E-01	1.09E+00	1.21E+00
Ho-155	8.38E-01	6.82E-01	1.05E+00	1.16E+00
Ho-155+D	8.80E-01	7.61E-01	1.02E+00	1.09E+00
Sm-155	8.40E-01	6.81E-01	1.05E+00	1.16E+00
Sm-155+D	9.50E-01	8.67E-01	1.03E+00	1.07E+00
Tb-155	8.67E-01	7.03E-01	1.08E+00	1.20E+00
Eu-156	7.88E-01	6.40E-01	9.82E-01	1.09E+00
Sm-156	8.40E-01	6.83E-01	1.05E+00	1.16E+00
Sm-156+D	8.04E-01	6.62E-01	9.84E-01	1.08E+00
Tb-156m	9.21E-01	7.48E-01	1.16E+00	1.28E+00
Tb-156m+D	7.64E-01	6.22E-01	9.48E-01	1.05E+00
Tb-156n	9.17E-01	7.44E-01	1.15E+00	1.27E+00
Tb-156n+D	7.61E-01	6.19E-01	9.47E-01	1.05E+00
Tb-156	7.61E-01	6.18E-01	9.47E-01	1.05E+00
Dy-157	8.00E-01	6.48E-01	9.94E-01	1.10E+00
Eu-157	7.82E-01	6.33E-01	9.72E-01	1.07E+00
Ho-157	8.30E-01	6.76E-01	1.04E+00	1.15E+00
Ho-157+D	9.07E-01	8.18E-01	9.98E-01	1.04E+00
Tb-157	9.39E-01	7.61E-01	1.18E+00	1.30E+00
Eu-158	7.23E-01	5.86E-01	8.97E-01	9.90E-01
Tb-158	7.20E-01	5.84E-01	8.94E-01	9.88E-01
Dy-159	9.31E-01	7.56E-01	1.17E+00	1.29E+00
Gd-159	7.94E-01	6.42E-01	9.86E-01	1.09E+00
Ho-159	8.40E-01	6.83E-01	1.05E+00	1.16E+00
Ho-159+D	9.91E-01	9.61E-01	1.02E+00	1.03E+00
Tb-160	7.30E-01	5.91E-01	9.05E-01	1.00E+00
Er-161	8.81E-01	7.16E-01	1.10E+00	1.22E+00
Er-161+D	9.96E-01	9.79E-01	1.01E+00	1.02E+00
Ho-161	9.42E-01	7.63E-01	1.18E+00	1.31E+00
Tb-161	9.30E-01	7.54E-01	1.17E+00	1.29E+00
Ho-162m	8.31E-01	6.78E-01	1.04E+00	1.15E+00
Ho-162m+D	9.58E-01	9.20E-01	9.93E-01	1.01E+00
Ho-162	7.63E-01	6.20E-01	9.50E-01	1.05E+00
Tm-162	7.61E-01	6.18E-01	9.47E-01	1.05E+00
Yb-162	8.65E-01	7.03E-01	1.08E+00	1.20E+00
Yb-162+D	7.77E-01	6.39E-01	9.51E-01	1.04E+00
Ho-164m	9.22E-01	7.49E-01	1.16E+00	1.28E+00
Ho-164m+D	9.59E-01	8.75E-01	1.05E+00	1.08E+00
Ho-164	9.01E-01	7.31E-01	1.13E+00	1.25E+00
Dy-165	8.77E-01	7.10E-01	1.09E+00	1.21E+00
Er-165	9.22E-01	7.49E-01	1.16E+00	1.28E+00
Dy-166	8.90E-01	7.22E-01	1.11E+00	1.23E+00
Dy-166+D	9.11E-01	8.24E-01	1.00E+00	1.04E+00
Ho-166m	7.95E-01	6.45E-01	9.90E-01	1.09E+00
Ho-166	8.06E-01	6.54E-01	1.01E+00	1.11E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Tm-166	8.13E-01	6.61E-01	1.01E+00	1.12E+00
Yb-166	9.06E-01	7.36E-01	1.14E+00	1.26E+00
Yb-166+D	8.21E-01	6.73E-01	1.01E+00	1.12E+00
Ho-167	7.91E-01	6.40E-01	9.82E-01	1.09E+00
Tm-167	8.48E-01	6.90E-01	1.06E+00	1.18E+00
Yb-167	8.42E-01	6.85E-01	1.05E+00	1.17E+00
Yb-167+D	9.40E-01	8.62E-01	1.02E+00	1.06E+00
Er-169	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Lu-169	8.30E-01	6.76E-01	1.04E+00	1.15E+00
Lu-169+D	9.54E-01	8.98E-01	1.01E+00	1.03E+00
Yb-169	8.30E-01	6.75E-01	1.04E+00	1.15E+00
Hf-170	9.16E-01	7.38E-01	1.15E+00	1.28E+00
Hf-170+D	9.24E-01	7.69E-01	1.12E+00	1.21E+00
Lu-170	9.07E-01	7.28E-01	1.15E+00	1.28E+00
Tm-170	8.85E-01	7.17E-01	1.11E+00	1.23E+00
Er-171	8.00E-01	6.48E-01	9.94E-01	1.10E+00
Lu-171	9.33E-01	7.49E-01	1.18E+00	1.31E+00
Tm-171	9.43E-01	7.56E-01	1.20E+00	1.33E+00
Er-172	8.44E-01	6.87E-01	1.06E+00	1.17E+00
Er-172+D	8.94E-01	8.00E-01	9.94E-01	1.04E+00
Hf-172	9.40E-01	7.51E-01	1.19E+00	1.32E+00
Hf-172+D	8.38E-01	6.88E-01	1.04E+00	1.14E+00
Lu-172	8.28E-01	6.73E-01	1.04E+00	1.15E+00
Ta-172	8.34E-01	6.72E-01	1.05E+00	1.16E+00
Ta-172+D	8.99E-01	7.87E-01	1.03E+00	1.08E+00
Tm-172	7.91E-01	6.42E-01	9.87E-01	1.09E+00
Hf-173	8.22E-01	6.65E-01	1.02E+00	1.14E+00
Hf-173+D	9.48E-01	8.88E-01	1.00E+00	1.03E+00
Lu-173	8.15E-01	6.59E-01	1.02E+00	1.13E+00
Ta-173	8.71E-01	7.03E-01	1.10E+00	1.22E+00
Ta-173+D	9.08E-01	8.09E-01	1.01E+00	1.06E+00
Tm-173	7.83E-01	6.34E-01	9.73E-01	1.08E+00
Lu-174m	9.52E-01	7.56E-01	1.21E+00	1.36E+00
Lu-174m+D	9.22E-01	7.88E-01	1.07E+00	1.15E+00
Lu-174	8.84E-01	7.07E-01	1.12E+00	1.25E+00
Ta-174	7.44E-01	6.04E-01	9.30E-01	1.03E+00
Hf-175	8.10E-01	6.52E-01	1.01E+00	1.12E+00
Ta-175	8.74E-01	7.06E-01	1.10E+00	1.22E+00
Ta-175+D	9.39E-01	8.72E-01	1.00E+00	1.03E+00
Tm-175	7.82E-01	6.33E-01	9.74E-01	1.08E+00
Yb-175	7.99E-01	6.45E-01	9.94E-01	1.10E+00
Lu-176m	1.00E+00	7.81E-01	1.29E+00	1.46E+00
Lu-176	8.21E-01	6.64E-01	1.03E+00	1.14E+00
Ta-176	9.58E-01	7.56E-01	1.23E+00	1.38E+00
W-176	9.06E-01	7.26E-01	1.14E+00	1.26E+00
W-176+D	9.61E-01	7.70E-01	1.21E+00	1.34E+00
Hf-177m	8.25E-01	6.72E-01	1.03E+00	1.15E+00
Lu-177m	8.91E-01	7.18E-01	1.12E+00	1.24E+00
Lu-177	8.44E-01	6.83E-01	1.06E+00	1.17E+00
Re-177	7.83E-01	6.34E-01	9.78E-01	1.08E+00
Re-177+D	9.04E-01	7.81E-01	1.05E+00	1.12E+00
Ta-177	9.53E-01	7.53E-01	1.22E+00	1.37E+00
W-177	8.50E-01	6.89E-01	1.07E+00	1.18E+00
W-177+D	9.96E-01	9.76E-01	1.01E+00	1.02E+00
Yb-177	7.69E-01	6.23E-01	9.59E-01	1.06E+00
Yb-177+D	9.69E-01	9.26E-01	1.01E+00	1.03E+00
Hf-178m	7.70E-01	6.24E-01	9.58E-01	1.06E+00
Lu-178m	8.03E-01	6.50E-01	1.00E+00	1.11E+00
Lu-178	6.96E-01	5.66E-01	8.68E-01	9.60E-01
Re-178	7.56E-01	6.12E-01	9.42E-01	1.04E+00
Re-178+D	9.97E-01	9.64E-01	1.03E+00	1.04E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Ta-178b	8.11E-01	6.55E-01	1.01E+00	1.12E+00
Ta-178a	8.91E-01	7.04E-01	1.14E+00	1.28E+00
W-178	1.62E+00	1.14E+00	2.24E+00	2.65E+00
W-178+D	9.09E-01	7.41E-01	1.11E+00	1.21E+00
Yb-178	8.08E-01	6.49E-01	1.01E+00	1.12E+00
Yb-178+D	7.49E-01	6.28E-01	8.95E-01	9.69E-01
Hf-179m	7.86E-01	6.36E-01	9.78E-01	1.08E+00
Lu-179	8.02E-01	6.52E-01	1.00E+00	1.11E+00
Ta-179	1.20E+00	8.96E-01	1.59E+00	1.83E+00
W-179	1.08E+00	8.46E-01	1.39E+00	1.57E+00
W-179+D	1.07E+00	9.60E-01	1.16E+00	1.21E+00
Hf-180m	7.99E-01	6.47E-01	9.97E-01	1.10E+00
Os-180	1.35E+00	1.01E+00	1.80E+00	2.08E+00
Os-180+D	7.52E-01	6.13E-01	9.19E-01	1.01E+00
Re-180	7.34E-01	5.93E-01	9.11E-01	1.01E+00
Ta-180m	9.14E-01	7.34E-01	1.15E+00	1.28E+00
Ta-180	8.33E-01	6.71E-01	1.04E+00	1.16E+00
Hf-181	7.81E-01	6.34E-01	9.75E-01	1.08E+00
Os-181	8.53E-01	6.85E-01	1.08E+00	1.20E+00
Os-181+D	9.71E-01	8.74E-01	1.07E+00	1.11E+00
Re-181	9.24E-01	7.40E-01	1.17E+00	1.30E+00
Re-181+D	1.01E+00	9.90E-01	1.02E+00	1.03E+00
W-181	1.12E+00	8.53E-01	1.46E+00	1.67E+00
Hf-182m	8.97E-01	7.22E-01	1.12E+00	1.25E+00
Hf-182	8.11E-01	6.58E-01	1.01E+00	1.12E+00
Hf-182+D	8.63E-01	7.18E-01	1.05E+00	1.14E+00
Ir-182	9.51E-01	7.45E-01	1.22E+00	1.38E+00
Ir-182+D	9.67E-01	8.42E-01	1.10E+00	1.16E+00
Os-182	1.15E+00	8.65E-01	1.51E+00	1.74E+00
Os-182+D	9.04E-01	7.71E-01	1.05E+00	1.12E+00
Re-182b	8.91E-01	7.18E-01	1.12E+00	1.24E+00
Re-182a	8.62E-01	6.96E-01	1.08E+00	1.20E+00
Ta-182m	8.83E-01	7.08E-01	1.12E+00	1.25E+00
Ta-182m+D	8.65E-01	7.22E-01	1.05E+00	1.14E+00
Ta-182	8.42E-01	6.83E-01	1.05E+00	1.17E+00
Hf-183	7.40E-01	5.98E-01	9.16E-01	1.01E+00
Hf-183+D	9.56E-01	8.84E-01	1.03E+00	1.06E+00
Ta-183	8.71E-01	7.03E-01	1.09E+00	1.22E+00
Hf-184	8.75E-01	6.97E-01	1.11E+00	1.24E+00
Hf-184+D	8.37E-01	6.95E-01	1.02E+00	1.11E+00
Ir-184	1.07E+00	8.18E-01	1.40E+00	1.59E+00
Re-184m	1.01E+00	7.92E-01	1.30E+00	1.46E+00
Re-184m+D	8.92E-01	7.69E-01	1.02E+00	1.09E+00
Re-184	8.29E-01	6.62E-01	1.04E+00	1.16E+00
Ta-184	8.15E-01	6.62E-01	1.02E+00	1.13E+00
Ir-185	1.11E+00	8.46E-01	1.45E+00	1.65E+00
Ir-185+D	8.72E-01	7.66E-01	9.75E-01	1.02E+00
Os-185	7.60E-01	6.11E-01	9.46E-01	1.05E+00
Ta-185	8.36E-01	6.79E-01	1.05E+00	1.16E+00
W-185	1.06E+00	8.13E-01	1.39E+00	1.58E+00
Ir-186a	1.10E+00	8.32E-01	1.44E+00	1.65E+00
Ir-186b	7.85E-01	6.28E-01	9.82E-01	1.09E+00
Pt-186	8.58E-01	6.74E-01	1.09E+00	1.23E+00
Pt-186+D	8.71E-01	7.56E-01	9.90E-01	1.05E+00
Re-186m	2.17E+00	1.45E+00	3.09E+00	3.72E+00
Re-186m+D	1.03E+00	9.21E-01	1.13E+00	1.17E+00
Re-186	1.09E+00	8.39E-01	1.42E+00	1.61E+00
Ta-186	8.13E-01	6.61E-01	1.02E+00	1.12E+00
Ir-187	1.27E+00	9.39E-01	1.70E+00	1.97E+00
Re-187	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W-187	9.68E-01	7.60E-01	1.24E+00	1.40E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Ir-188	9.02E-01	7.09E-01	1.16E+00	1.30E+00
Pt-188	9.03E-01	7.20E-01	1.15E+00	1.28E+00
Pt-188+D	9.12E-01	7.34E-01	1.13E+00	1.26E+00
Re-188m	1.19E+00	8.86E-01	1.57E+00	1.81E+00
Re-188m+D	9.40E-01	8.48E-01	1.02E+00	1.06E+00
Re-188	8.48E-01	6.76E-01	1.07E+00	1.20E+00
W-188	8.36E-01	6.72E-01	1.05E+00	1.17E+00
W-188+D	8.52E-01	6.83E-01	1.07E+00	1.19E+00
Ir-189	1.11E+00	8.46E-01	1.45E+00	1.65E+00
Os-189m	2.76E+00	1.77E+00	4.01E+00	4.88E+00
Pt-189	1.08E+00	8.31E-01	1.42E+00	1.61E+00
Pt-189+D	1.02E+00	9.65E-01	1.07E+00	1.09E+00
Re-189	8.64E-01	6.94E-01	1.09E+00	1.22E+00
Ir-190n	1.10E+00	8.48E-01	1.43E+00	1.62E+00
Ir-190m	2.67E+00	1.74E+00	3.85E+00	4.67E+00
Ir-190m+D	9.28E-01	7.33E-01	1.19E+00	1.34E+00
Ir-190	9.28E-01	7.33E-01	1.19E+00	1.34E+00
Os-190m	7.89E-01	6.35E-01	9.87E-01	1.10E+00
Ir-191m	1.10E+00	8.41E-01	1.45E+00	1.66E+00
Os-191m	2.00E+00	1.35E+00	2.82E+00	3.38E+00
Os-191m+D	1.09E+00	8.58E-01	1.35E+00	1.49E+00
Os-191	1.10E+00	8.39E-01	1.44E+00	1.65E+00
Pt-191	1.02E+00	7.97E-01	1.32E+00	1.50E+00
Ir-192m	8.35E-01	6.80E-01	1.05E+00	1.16E+00
Ir-192m+D	1.12E+00	8.91E-01	1.41E+00	1.57E+00
Ir-192	1.15E+00	8.77E-01	1.49E+00	1.70E+00
Au-193	1.07E+00	8.27E-01	1.39E+00	1.57E+00
Hg-193m	1.33E+00	1.00E+00	1.76E+00	2.02E+00
Hg-193m+D	1.01E+00	9.75E-01	1.03E+00	1.04E+00
Hg-193	1.10E+00	8.41E-01	1.43E+00	1.63E+00
Hg-193+D	1.03E+00	9.16E-01	1.14E+00	1.19E+00
Os-193	9.98E-01	7.79E-01	1.29E+00	1.45E+00
Pt-193m	1.75E+00	1.24E+00	2.41E+00	2.85E+00
Pt-193	2.52E+00	1.68E+00	3.58E+00	4.30E+00
Au-194	1.17E+00	8.88E-01	1.54E+00	1.77E+00
Hg-194	2.35E+00	1.61E+00	3.28E+00	3.90E+00
Hg-194+D	1.17E+00	8.88E-01	1.54E+00	1.77E+00
Ir-194m	7.61E-01	6.16E-01	9.46E-01	1.05E+00
Ir-194	7.97E-01	6.44E-01	9.90E-01	1.09E+00
Os-194	2.25E+00	1.52E+00	3.17E+00	3.79E+00
Os-194+D	8.03E-01	6.51E-01	9.90E-01	1.09E+00
Tl-194m	9.40E-01	7.43E-01	1.20E+00	1.35E+00
Tl-194	8.00E-01	6.42E-01	1.00E+00	1.11E+00
Au-195m	8.99E-01	7.12E-01	1.14E+00	1.28E+00
Au-195m+D	1.10E+00	9.91E-01	1.20E+00	1.25E+00
Au-195	1.31E+00	9.74E-01	1.75E+00	2.03E+00
Hg-195m	2.03E+00	1.46E+00	2.76E+00	3.23E+00
Hg-195m+D	1.08E+00	9.78E-01	1.17E+00	1.20E+00
Hg-195	1.22E+00	9.18E-01	1.61E+00	1.85E+00
Hg-195+D	1.08E+00	9.92E-01	1.15E+00	1.18E+00
Ir-195m	2.23E+00	1.54E+00	3.11E+00	3.69E+00
Ir-195	1.24E+00	9.25E-01	1.64E+00	1.88E+00
Pb-195m	8.50E-01	6.77E-01	1.07E+00	1.19E+00
Pb-195m+D	1.06E+00	9.15E-01	1.21E+00	1.28E+00
Pt-195m	1.22E+00	9.17E-01	1.61E+00	1.85E+00
Tl-195	1.08E+00	8.36E-01	1.40E+00	1.59E+00
Tl-195+D	1.04E+00	9.86E-01	1.09E+00	1.11E+00
Hg-197m	1.44E+00	1.07E+00	1.91E+00	2.20E+00
Hg-197m+D	1.14E+00	1.02E+00	1.24E+00	1.29E+00
Hg-197	1.43E+00	1.05E+00	1.92E+00	2.23E+00
Pt-197m	1.20E+00	9.12E-01	1.57E+00	1.79E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Pt-197m+D	1.09E+00	1.02E+00	1.15E+00	1.18E+00
Pt-197	1.49E+00	1.08E+00	2.01E+00	2.34E+00
Tl-197	1.00E+00	7.85E-01	1.29E+00	1.46E+00
Tl-197+D	1.06E+00	1.01E+00	1.10E+00	1.12E+00
Au-198m	8.66E-01	6.97E-01	1.09E+00	1.22E+00
Au-198m+D	9.01E-01	8.13E-01	9.89E-01	1.03E+00
Au-198	7.83E-01	6.33E-01	9.73E-01	1.08E+00
Pb-198	1.02E+00	7.96E-01	1.32E+00	1.49E+00
Pb-198+D	1.15E+00	9.12E-01	1.42E+00	1.57E+00
Tl-198m	1.68E+00	1.23E+00	2.25E+00	2.60E+00
Tl-198m+D	1.06E+00	9.61E-01	1.14E+00	1.17E+00
Tl-198	1.18E+00	8.96E-01	1.55E+00	1.77E+00
Au-199	9.25E-01	7.36E-01	1.18E+00	1.32E+00
Hg-199m	1.01E+00	7.89E-01	1.31E+00	1.48E+00
Pb-199	1.32E+00	9.83E-01	1.75E+00	2.02E+00
Pb-199+D	9.93E-01	9.62E-01	1.02E+00	1.03E+00
Pt-199	9.17E-01	7.30E-01	1.17E+00	1.31E+00
Pt-199+D	9.76E-01	9.03E-01	1.05E+00	1.08E+00
Tl-199	9.37E-01	7.43E-01	1.19E+00	1.34E+00
Au-200m	1.64E+00	1.20E+00	2.21E+00	2.57E+00
Au-200	7.91E-01	6.39E-01	9.82E-01	1.09E+00
Bi-200	9.25E-01	7.34E-01	1.18E+00	1.32E+00
Bi-200+D	1.07E+00	9.50E-01	1.18E+00	1.24E+00
Pb-200	1.03E+00	8.00E-01	1.32E+00	1.50E+00
Pb-200+D	1.17E+00	9.17E-01	1.47E+00	1.64E+00
Pt-200	1.14E+00	8.70E-01	1.48E+00	1.69E+00
Pt-200+D	8.32E-01	6.96E-01	9.86E-01	1.06E+00
Tl-200	1.19E+00	9.06E-01	1.56E+00	1.79E+00
Au-201	8.73E-01	6.93E-01	1.11E+00	1.24E+00
Bi-201	7.96E-01	6.35E-01	1.00E+00	1.12E+00
Bi-201+D	1.14E+00	9.89E-01	1.29E+00	1.36E+00
Pb-201	1.34E+00	9.98E-01	1.79E+00	2.06E+00
Pb-201+D	1.00E+00	9.80E-01	1.02E+00	1.03E+00
Tl-201	1.03E+00	8.08E-01	1.33E+00	1.51E+00
Bi-202	1.17E+00	8.96E-01	1.53E+00	1.75E+00
Pb-202m	1.89E+00	1.39E+00	2.53E+00	2.93E+00
Pb-202	2.62E+00	1.72E+00	3.75E+00	4.54E+00
Pb-202+D	8.90E-01	7.04E-01	1.13E+00	1.27E+00
Tl-202	8.90E-01	7.04E-01	1.13E+00	1.27E+00
Bi-203	1.18E+00	8.98E-01	1.54E+00	1.75E+00
Bi-203+D	9.95E-01	9.67E-01	1.02E+00	1.03E+00
Hg-203	8.36E-01	6.72E-01	1.05E+00	1.16E+00
Pb-203	9.53E-01	7.47E-01	1.22E+00	1.37E+00
Po-203	1.02E+00	7.99E-01	1.31E+00	1.48E+00
Po-203+D	1.09E+00	9.20E-01	1.28E+00	1.37E+00
Tl-204	1.36E+00	1.01E+00	1.81E+00	2.09E+00
Bi-205	1.33E+00	9.96E-01	1.76E+00	2.02E+00
Pb-205	2.58E+00	1.70E+00	3.68E+00	4.44E+00
Po-205	1.18E+00	9.04E-01	1.53E+00	1.75E+00
Po-205+D	1.15E+00	9.98E-01	1.31E+00	1.38E+00
Bi-206	1.08E+00	8.38E-01	1.41E+00	1.60E+00
Tl-206	1.16E+00	8.82E-01	1.52E+00	1.74E+00
At-207	1.03E+00	8.05E-01	1.32E+00	1.49E+00
At-207+D	1.12E+00	9.62E-01	1.28E+00	1.36E+00
Bi-207	7.66E-01	6.16E-01	9.59E-01	1.06E+00
Po-207	1.24E+00	9.46E-01	1.63E+00	1.87E+00
Tl-207	7.24E-01	5.85E-01	8.97E-01	9.92E-01
Tl-208	7.59E-01	6.14E-01	9.43E-01	1.04E+00
Pb-209	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Tl-209	7.50E-01	6.07E-01	9.34E-01	1.03E+00
Bi-210m	8.24E-01	6.63E-01	1.03E+00	1.14E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Bi-210	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Pb-210	1.96E+00	1.42E+00	2.65E+00	3.09E+00
Pb-210+D	9.71E-01	9.27E-01	1.01E+00	1.02E+00
Po-210	7.31E-01	5.91E-01	9.05E-01	1.00E+00
At-211	1.89E+00	1.41E+00	2.51E+00	2.89E+00
At-211+D	1.89	1,41	2.51	2.89
Bi-211	8.24E-01	6.61E-01	1.03E+00	1.14E+00
Bi-211+D	9.75E-01	9.54E-01	9.92E-01	9.99E-01
Pb-211	7.89E-01	6.37E-01	9.82E-01	1.09E+00
Pb-211+D	8.98E-01	7.91E-01	1.01E+00	1.06E+00
Po-211	7.37E-01	5.97E-01	9.15E-01	1.01E+00
Bi-212	1.70E+00	1.27E+00	2.25E+00	2.59E+00
Bi-212+D	8.12E-01	6.82E-01	9.59E-01	1.03E+00
Pb-212	8.80E-01	7.05E-01	1.11E+00	1.24E+00
Pb-212+D	9.03E-01	7.29E-01	1.12E+00	1.23E+00
Po-212	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Bi-213	1.90E+00	1.42E+00	2.53E+00	2.92E+00
Bi-213+D	9.65E-01	9.29E-01	9.93E-01	1.00E+00
Po-213	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Po-213+D	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Bi-214	9.88E-01	7.75E-01	1.26E+00	1.42E+00
Pb-214	9.85E-01	7.75E-01	1.26E+00	1.42E+00
Pb-214+D	9.91E-01	8.02E-01	1.22E+00	1.34E+00
Po-214	7.31E-01	5.91E-01	9.05E-01	1.00E+00
Po-214+D	1.61E+00	1.20E+00	2.15E+00	2.48E+00
At-215	7.86E-01	6.35E-01	9.77E-01	1.08E+00
At-215+D	8.17E-01	6.56E-01	1.02E+00	1.13E+00
Po-215	7.77E-01	6.29E-01	9.67E-01	1.07E+00
Po-215+D	8.03E-01	6.46E-01	1.00E+00	1.11E+00
At-216	1.19E+00	9.09E-01	1.55E+00	1.76E+00
At-216+D	8.93E-01	7.08E-01	1.13E+00	1.26E+00
Po-216	7.31E-01	5.91E-01	9.04E-01	1.00E+00
Po-216+D	8.92E-01	7.07E-01	1.13E+00	1.26E+00
At-217	7.96E-01	6.41E-01	9.94E-01	1.10E+00
At-217+D	1.63E+00	1.22E+00	2.15E+00	2.47E+00
At-218	1.94E+00	1.41E+00	2.62E+00	3.06E+00
At-218+D	9.90E-01	7.77E-01	1.26E+00	1.42E+00
Po-218	7.28E-01	5.88E-01	9.01E-01	9.95E-01
Po-218+D	9.89E-01	7.76E-01	1.26E+00	1.42E+00
Rn-218	7.52E-01	6.08E-01	9.32E-01	1.03E+00
Rn-218+D	1.52E+00	1.16E+00	1.96E+00	2.22E+00
Fr-219	8.03E-01	6.48E-01	1.00E+00	1.11E+00
Fr-219+D	8.26E-01	6.70E-01	1.02E+00	1.12E+00
Rn-219	8.25E-01	6.67E-01	1.03E+00	1.14E+00
Rn-219+D	8.64E-01	7.40E-01	1.00E+00	1.07E+00
Fr-220	1.41E+00	1.07E+00	1.85E+00	2.11E+00
Fr-220+D	8.95E-01	7.10E-01	1.13E+00	1.26E+00
Rn-220	7.58E-01	6.15E-01	9.43E-01	1.04E+00
Rn-220+D	8.92E-01	7.07E-01	1.13E+00	1.26E+00
Fr-221	8.43E-01	6.83E-01	1.06E+00	1.18E+00
Fr-221+D	1.55E+00	1.20E+00	1.97E+00	2.22E+00
Fr-222	8.40E-01	6.84E-01	1.05E+00	1.16E+00
Fr-222+D	1.01E+00	8.24E-01	1.24E+00	1.37E+00
Ra-222	8.05E-01	6.51E-01	1.00E+00	1.11E+00
Ra-222+D	1.17E+00	1.04E+00	1.31E+00	1.37E+00
Rn-222	7.63E-01	6.20E-01	9.51E-01	1.05E+00
Rn-222+D	9.89E-01	7.76E-01	1.26E+00	1.42E+00
Ac-223	1.74E+00	1.28E+00	2.32E+00	2.69E+00
Ac-223+D	8.40E-01	6.90E-01	1.02E+00	1.11E+00
Fr-223	1.09E+00	8.63E-01	1.39E+00	1.55E+00
Fr-223+D	9.81E-01	8.05E-01	1.19E+00	1.30E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Ra-223	1.18E+00	9.15E-01	1.52E+00	1.72E+00
Ra-223+D	9.04E-01	8.02E-01	1.00E+00	1.05E+00
Ac-224	1.68E+00	1.29E+00	2.18E+00	2.47E+00
Ac-224+D	9.12E-01	7.51E-01	1.10E+00	1.20E+00
Ra-224	8.43E-01	6.82E-01	1.06E+00	1.17E+00
Ra-224+D	8.93E-01	7.09E-01	1.13E+00	1.26E+00
Ac-225	1.47E+00	1.12E+00	1.92E+00	2.18E+00
Ac-225+D	1.46E+00	1.13E+00	1.86E+00	2.09E+00
Ra-225	1.20E+00	9.45E-01	1.53E+00	1.72E+00
Ra-225+D	1.47E+00	1.13E+00	1.90E+00	2.15E+00
Ac-226	1.57E+00	1.22E+00	2.02E+00	2.28E+00
Ac-226+D	9.96E-01	9.78E-01	1.01E+00	1.02E+00
Ra-226	9.05E-01	7.28E-01	1.15E+00	1.27E+00
Ra-226+D	9.88E-01	7.76E-01	1.26E+00	1.42E+00
Th-226	1.10E+00	8.70E-01	1.41E+00	1.58E+00
Th-226+D	1.01E+00	8.62E-01	1.17E+00	1.25E+00
Ac-227	1.61E+00	1.25E+00	2.09E+00	2.36E+00
Ac-227+D	1.03E+00	8.14E-01	1.31E+00	1.47E+00
Pa-227	1.57E+00	1.22E+00	2.03E+00	2.29E+00
Pa-227+D	9.74E-01	8.08E-01	1.16E+00	1.26E+00
Ra-227	1.24E+00	9.72E-01	1.58E+00	1.77E+00
Ra-227+D	1.02E+00	8.67E-01	1.19E+00	1.27E+00
Th-227	1.18E+00	9.31E-01	1.52E+00	1.71E+00
Th-227+D	9.84E-01	8.30E-01	1.15E+00	1.24E+00
Ac-228	1.29E+00	1.01E+00	1.66E+00	1.88E+00
Ac-228+D	9.42E-01	8.25E-01	1.06E+00	1.12E+00
Pa-228	1.56E+00	1.22E+00	2.01E+00	2.27E+00
Pa-228+D	9.52E-01	8.50E-01	1.05E+00	1.10E+00
Ra-228	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228+D	1.05E+00	8.28E-01	1.34E+00	1.51E+00
Th-228	1.52E+00	1.17E+00	1.98E+00	2.26E+00
Th-228+D	8.92E-01	7.08E-01	1.13E+00	1.26E+00
Th-229	1.12E+00	8.85E-01	1.44E+00	1.61E+00
Th-229+D	1.35E+00	1.10E+00	1.63E+00	1.78E+00
Pa-230	1.52E+00	1.19E+00	1.96E+00	2.21E+00
Th-230	1.72E+00	1.30E+00	2.25E+00	2.57E+00
U-230	1.52E+00	1.18E+00	1.98E+00	2.24E+00
U-230+D	1.04E+00	8.38E-01	1.29E+00	1.43E+00
Pa-231	1.38E+00	1.08E+00	1.77E+00	2.00E+00
Th-231	1.29E+00	1.01E+00	1.64E+00	1.85E+00
U-231	1.09E+00	8.65E-01	1.38E+00	1.54E+00
Np-232	8.74E-01	7.03E-01	1.09E+00	1.21E+00
Pa-232	1.08E+00	8.61E-01	1.38E+00	1.54E+00
Th-232	1.74E+00	1.32E+00	2.28E+00	2.61E+00
U-232	1.63E+00	1.25E+00	2.13E+00	2.42E+00
U-232+D	8.93E-01	7.08E-01	1.13E+00	1.26E+00
Np-233	1.03E+00	8.21E-01	1.30E+00	1.45E+00
Pa-233	1.02E+00	8.14E-01	1.29E+00	1.43E+00
U-233	1.62E+00	1.25E+00	2.11E+00	2.40E+00
Np-234	1.20E+00	9.46E-01	1.53E+00	1.72E+00
Pa-234m	1.48E+00	1.16E+00	1.90E+00	2.14E+00
Pa-234m+D	1.01E+00	9.84E-01	1.03E+00	1.04E+00
Pa-234	1.09E+00	8.64E-01	1.38E+00	1.54E+00
Pu-234	1.44E+00	1.13E+00	1.84E+00	2.06E+00
Pu-234+D	1.19E+00	9.49E-01	1.49E+00	1.65E+00
Th-234	1.07E+00	8.50E-01	1.35E+00	1.51E+00
Th-234+D	1.26E+00	1.06E+00	1.49E+00	1.61E+00
U-234	1.65E+00	1.26E+00	2.14E+00	2.44E+00
Np-235	1.54E+00	1.21E+00	1.98E+00	2.23E+00
Pu-235	1.08E+00	8.61E-01	1.37E+00	1.53E+00
Pu-235+D	1.02E+00	1.01E+00	1.03E+00	1.03E+00



Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
U-235	1.14E+00	8.98E-01	1.45E+00	1.63E+00
U-235+D	1.03E+00	1.00E+00	1.05E+00	1.06E+00
Np-236a	1.45E+00	1.14E+00	1.86E+00	2.09E+00
Np-236b	1.45E+00	1.14E+00	1.85E+00	2.08E+00
Pu-236	1.57E+00	1.22E+00	2.03E+00	2.30E+00
U-236	1.65E+00	1.27E+00	2.15E+00	2.45E+00
Am-237	9.62E-01	7.71E-01	1.21E+00	1.34E+00
Am-237+D	1.05E+00	1.02E+00	1.08E+00	1.09E+00
Np-237	1.21E+00	9.54E-01	1.54E+00	1.73E+00
Np-237+D	1.02E+00	8.37E-01	1.23E+00	1.35E+00
Pu-237	1.43E+00	1.12E+00	1.82E+00	2.04E+00
U-237	1.01E+00	8.07E-01	1.27E+00	1.42E+00
Am-238	1.05E+00	8.38E-01	1.33E+00	1.49E+00
Cm-238	1.09E+00	8.64E-01	1.37E+00	1.53E+00
Cm-238+D	1.07E+00	8.64E-01	1.33E+00	1.47E+00
Np-238	1.46E+00	1.14E+00	1.88E+00	2.12E+00
Pu-238	1.57E+00	1.22E+00	2.03E+00	2.30E+00
U-238	1.66E+00	1.27E+00	2.16E+00	2.46E+00
U-238+D	1.28E+00	1.01E+00	1.61E+00	1.80E+00
Am-239	1.41E+00	1.11E+00	1.80E+00	2.02E+00
Np-239	9.55E-01	7.66E-01	1.20E+00	1.33E+00
Pu-239	1.57E+00	1.22E+00	2.03E+00	2.29E+00
U-239	1.02E+00	8.22E-01	1.29E+00	1.44E+00
U-239+D	9.66E-01	8.14E-01	1.14E+00	1.23E+00
Am-240	1.18E+00	9.31E-01	1.49E+00	1.67E+00
Cm-240	1.50E+00	1.17E+00	1.93E+00	2.18E+00
Cm-240+D	1.22E+00	1.10E+00	1.34E+00	1.39E+00
Np-240m	1.27E+00	9.99E-01	1.62E+00	1.82E+00
Np-240	1.08E+00	8.65E-01	1.38E+00	1.54E+00
Pu-240	1.57E+00	1.22E+00	2.04E+00	2.30E+00
U-240	1.49E+00	1.17E+00	1.92E+00	2.17E+00
U-240+D	1.26E+00	9.99E-01	1.60E+00	1.80E+00
Am-241	1.07E+00	8.58E-01	1.36E+00	1.52E+00
Cm-241	1.37E+00	1.08E+00	1.75E+00	1.96E+00
Pu-241	1.29E+00	1.01E+00	1.65E+00	1.86E+00
Pu-241+D	1.01E+00	8.79E-01	1.14E+00	1.20E+00
Am-242m	1.37E+00	1.08E+00	1.74E+00	1.95E+00
Am-242m+D	1.30E+00	1.07E+00	1.58E+00	1.73E+00
Am-242	1.35E+00	1.07E+00	1.71E+00	1.92E+00
Am-242+D	1.02E+00	1.01E+00	1.03E+00	1.03E+00
Cm-242	1.50E+00	1.17E+00	1.93E+00	2.17E+00
Pu-242	1.57E+00	1.22E+00	2.04E+00	2.30E+00
Am-243	9.80E-01	7.89E-01	1.24E+00	1.37E+00
Am-243+D	9.66E-01	8.14E-01	1.14E+00	1.23E+00
Cm-243	9.87E-01	7.90E-01	1.24E+00	1.38E+00
Pu-243	9.82E-01	7.89E-01	1.23E+00	1.37E+00
Am-244m	1.42E+00	1.12E+00	1.82E+00	2.05E+00
Am-244m+D	1.10E+00	1.04E+00	1.15E+00	1.17E+00
Am-244	7.93E-01	6.39E-01	9.87E-01	1.09E+00
Cf-244	1.42E+00	1.12E+00	1.82E+00	2.05E+00
Cf-244+D	1.30E+00	1.12E+00	1.48E+00	1.58E+00
Cm-244	1.50E+00	1.17E+00	1.93E+00	2.18E+00
Pu-244	2.03E+00	1.60E+00	2.58E+00	2.88E+00
Pu-244+D	1.24E+00	1.00E+00	1.54E+00	1.70E+00
Am-245	8.86E-01	7.15E-01	1.11E+00	1.23E+00
Bk-245	1.33E+00	1.06E+00	1.69E+00	1.89E+00
Cm-245	1.05E+00	8.37E-01	1.33E+00	1.48E+00
Pu-245	9.92E-01	7.95E-01	1.25E+00	1.39E+00
Pu-245+D	9.92E-01	9.75E-01	1.01E+00	1.01E+00
Am-246m	1.26E+00	9.98E-01	1.61E+00	1.80E+00
Am-246	9.27E-01	7.48E-01	1.17E+00	1.29E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Bk-246	8.03E-01	6.46E-01	9.99E-01	1.11E+00
Cf-246	1.42E+00	1.12E+00	1.82E+00	2.04E+00
Cf-246+D	1.23E+00	1.09E+00	1.37E+00	1.44E+00
Cm-246	1.50E+00	1.17E+00	1.93E+00	2.18E+00
Pu-246	1.00E+00	8.05E-01	1.26E+00	1.40E+00
Pu-246+D	1.23E+00	9.98E-01	1.52E+00	1.67E+00
Bk-247	8.96E-01	7.22E-01	1.12E+00	1.25E+00
Cm-247	9.16E-01	7.36E-01	1.15E+00	1.28E+00
Cm-247+D	9.99E-01	9.80E-01	1.01E+00	1.02E+00
Cf-248	1.42E+00	1.12E+00	1.82E+00	2.05E+00
Cf-248+D	1.22E+00	1.09E+00	1.36E+00	1.42E+00
Cm-248	1.43E+00	1.16E+00	1.77E+00	1.96E+00
Bk-249	8.39E-01	6.77E-01	1.04E+00	1.16E+00
Bk-249+D	9.92E-01	9.75E-01	1.01E+00	1.01E+00
Cf-249	1.10E+00	8.74E-01	1.39E+00	1.55E+00
Cm-249	8.29E-01	6.70E-01	1.03E+00	1.14E+00
Bk-250	7.23E-01	5.86E-01	8.99E-01	9.94E-01
Cf-250	1.42E+00	1.12E+00	1.82E+00	2.05E+00
Cm-250	1.40E+00	1.14E+00	1.74E+00	1.92E+00
Es-250	8.27E-01	6.67E-01	1.03E+00	1.15E+00
Cf-251	1.04E+00	8.33E-01	1.31E+00	1.47E+00
Es-251	9.84E-01	7.90E-01	1.24E+00	1.38E+00
Cf-252	1.45E+00	1.18E+00	1.81E+00	2.00E+00
Fm-252	1.37E+00	1.08E+00	1.75E+00	1.96E+00
Fm-252+D	1.29E+00	1.10E+00	1.49E+00	1.59E+00
Cf-253	1.42E+00	1.12E+00	1.82E+00	2.04E+00
Cf-253+D	1.28E+00	1.04E+00	1.59E+00	1.76E+00
Es-253	1.35E+00	1.07E+00	1.73E+00	1.94E+00
Fm-253	1.25E+00	9.97E-01	1.58E+00	1.77E+00
Cf-254	1.40E+00	1.14E+00	1.74E+00	1.92E+00
Es-254m	1.23E+00	9.81E-01	1.55E+00	1.73E+00
Es-254	1.36E+00	1.07E+00	1.73E+00	1.95E+00
Es-254+D	7.29E-01	5.93E-01	9.02E-01	9.95E-01
Fm-254	1.37E+00	1.08E+00	1.74E+00	1.95E+00
Fm-254+D	1.17E+00	1.05E+00	1.28E+00	1.33E+00
Fm-255	1.35E+00	1.07E+00	1.73E+00	1.94E+00
Fm-257	9.39E-01	7.57E-01	1.18E+00	1.31E+00
Md-257	1.23E+00	9.78E-01	1.55E+00	1.73E+00
Md-257+D	9.76E-01	8.87E-01	1.07E+00	1.11E+00
Md-258	1.32E+00	1.05E+00	1.68E+00	1.88E+00
Md-258+D	7.35E-01	5.96E-01	9.13E-01	1.01E+00

Table 2. Ratio of the dose rate at various locations in the 50 x 50 x 10 ft room to that for an infinite plane source.

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
H-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Be-7	9.14E-01	9.59E-01	9.60E-01	9.11E-01
Be-10	1.00E+00	1.04E+00	1.05E+00	9.95E-01
C-11	9.09E-01	9.53E-01	9.54E-01	9.05E-01
N-13	9.09E-01	9.53E-01	9.54E-01	9.05E-01
C-14	1.00E+00	1.04E+00	1.05E+00	9.95E-01
O-15	9.09E-01	9.53E-01	9.54E-01	9.05E-01
F-18	9.09E-01	9.53E-01	9.54E-01	9.05E-01
Ne-19	9.09E-01	9.53E-01	9.54E-01	9.05E-01
Na-22	8.77E-01	9.18E-01	9.19E-01	8.71E-01
Na-24	8.01E-01	8.38E-01	8.37E-01	7.93E-01
Al-26	8.54E-01	8.96E-01	8.95E-01	8.49E-01
Al-28	8.08E-01	8.47E-01	8.46E-01	8.02E-01
Mg-28	9.24E-01	9.64E-01	9.69E-01	9.21E-01
Mg-28+D	8.90E-01	9.14E-01	9.13E-01	8.86E-01
P-30	9.09E-01	9.53E-01	9.54E-01	9.05E-01
Si-31	8.39E-01	8.76E-01	8.76E-01	8.30E-01
P-32	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Si-32	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Si-32+D	1.00E+00	1.04E+00	1.05E+00	9.95E-01
P-33	1.00E+00	1.04E+00	1.05E+00	9.95E-01
S-35	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Cl-36	9.09E-01	9.53E-01	9.54E-01	9.05E-01
Ar-37	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cl-38	8.01E-01	8.39E-01	8.37E-01	7.93E-01
K-38	8.54E-01	8.95E-01	8.95E-01	8.48E-01
Ar-39	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Cl-39	8.38E-01	8.78E-01	8.78E-01	8.32E-01
K-40	8.22E-01	8.64E-01	8.63E-01	8.18E-01
Ar-41	8.36E-01	8.74E-01	8.74E-01	8.28E-01
Ca-41	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K-42	8.19E-01	8.61E-01	8.60E-01	8.15E-01
K-43	9.06E-01	9.46E-01	9.47E-01	8.99E-01
Sc-43	9.15E-01	9.59E-01	9.60E-01	9.11E-01
K-44	7.93E-01	8.28E-01	8.27E-01	7.84E-01
Sc-44m	9.46E-01	9.90E-01	9.93E-01	9.43E-01
Sc-44m+D	8.94E-01	9.31E-01	9.32E-01	8.89E-01
Sc-44	8.81E-01	9.22E-01	9.23E-01	8.75E-01
Ti-44	1.05E+00	1.08E+00	1.09E+00	1.04E+00
Ti-44+D	8.88E-01	9.27E-01	9.28E-01	8.83E-01
Ca-45	1.53E+00	1.46E+00	1.86E+00	2.04E+00
K-45	8.40E-01	8.80E-01	8.80E-01	8.34E-01
Ti-45	9.08E-01	9.53E-01	9.54E-01	9.05E-01
Sc-46	8.58E-01	8.95E-01	8.95E-01	8.48E-01
Ca-47	8.41E-01	8.79E-01	8.79E-01	8.33E-01
Ca-47+D	1.00E+00	1.00E+00	1.00E+00	9.99E-01
Sc-47	9.96E-01	1.04E+00	1.04E+00	9.91E-01
V-47	9.08E-01	9.52E-01	9.53E-01	9.04E-01
Cr-48	9.68E-01	1.01E+00	1.02E+00	9.66E-01
Cr-48+D	8.71E-01	9.06E-01	9.06E-01	8.64E-01
Sc-48	8.47E-01	8.85E-01	8.85E-01	8.38E-01
V-48	8.52E-01	8.91E-01	8.91E-01	8.44E-01
Ca-49	7.66E-01	8.00E-01	7.98E-01	7.56E-01
Cr-49	9.27E-01	9.72E-01	9.73E-01	9.24E-01
Sc-49	8.09E-01	8.49E-01	8.48E-01	8.03E-01
V-49	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cr-51	9.45E-01	9.89E-01	9.92E-01	9.42E-01

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Mn-51	9.08E-01	9.52E-01	9.53E-01	9.04E-01
Fe-52	9.35E-01	9.79E-01	9.81E-01	9.31E-01
Fe-52+D	8.88E-01	9.22E-01	9.21E-01	8.85E-01
Mn-52m	8.56E-01	8.99E-01	8.98E-01	8.52E-01
Mn-52	8.39E-01	8.79E-01	8.78E-01	8.33E-01
Mn-53	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn-54	8.76E-01	9.12E-01	9.12E-01	8.65E-01
Co-55	8.58E-01	8.98E-01	8.98E-01	8.52E-01
Fe-55	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-56	8.23E-01	8.61E-01	8.60E-01	8.15E-01
Mn-56	8.31E-01	8.68E-01	8.67E-01	8.22E-01
Ni-56	8.94E-01	9.33E-01	9.34E-01	8.86E-01
Ni-56+D	8.78E-01	9.05E-01	9.05E-01	8.72E-01
Co-57	1.30E+00	1.31E+00	1.45E+00	1.46E+00
Ni-57	8.31E-01	8.71E-01	8.70E-01	8.25E-01
Ni-57+D	1.02E+00	1.02E+00	1.03E+00	1.03E+00
Co-58m	1.27E+00	1.32E+00	1.35E+00	1.30E+00
Co-58m+D	8.83E-01	9.21E-01	9.21E-01	8.73E-01
Co-58	8.83E-01	9.21E-01	9.21E-01	8.73E-01
Fe-59	8.46E-01	8.83E-01	8.83E-01	8.37E-01
Ni-59	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60m	1.01E+00	1.05E+00	1.06E+00	1.01E+00
Co-60m+D	8.38E-01	8.76E-01	8.76E-01	8.30E-01
Co-60	8.38E-01	8.76E-01	8.76E-01	8.30E-01
Cu-60	8.34E-01	8.73E-01	8.73E-01	8.27E-01
Fe-60	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Fe-60+D	1.01E+00	1.05E+00	1.06E+00	1.01E+00
Co-61	1.03E+00	1.07E+00	1.08E+00	1.03E+00
Cu-61	8.64E-01	9.03E-01	9.03E-01	8.56E-01
Co-62m	8.31E-01	8.67E-01	8.67E-01	8.21E-01
Cu-62	9.07E-01	9.52E-01	9.53E-01	9.04E-01
Zn-62	9.06E-01	9.47E-01	9.49E-01	9.00E-01
Zn-62+D	9.33E-01	9.66E-01	9.67E-01	9.31E-01
Ni-63	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn-63	8.80E-01	9.19E-01	9.19E-01	8.72E-01
Cu-64	9.07E-01	9.52E-01	9.53E-01	9.04E-01
Ga-65	8.86E-01	9.25E-01	9.25E-01	8.78E-01
Ga-65+D	9.48E-01	9.62E-01	9.62E-01	9.44E-01
Ni-65	8.33E-01	8.73E-01	8.72E-01	8.27E-01
Zn-65	8.52E-01	8.89E-01	8.89E-01	8.42E-01
Cu-66	8.57E-01	8.94E-01	8.94E-01	8.47E-01
Ga-66	8.51E-01	8.90E-01	8.90E-01	8.43E-01
Ge-66	9.76E-01	1.02E+00	1.03E+00	9.80E-01
Ge-66+D	8.85E-01	9.16E-01	9.16E-01	8.79E-01
Ni-66	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Ni-66+D	8.57E-01	8.94E-01	8.94E-01	8.47E-01
Cu-67	9.92E-01	1.03E+00	1.04E+00	9.89E-01
Ga-67	9.73E-01	1.02E+00	1.02E+00	9.69E-01
Ge-67	8.51E-01	8.91E-01	8.92E-01	8.46E-01
Ge-67+D	9.97E-01	1.00E+00	1.00E+00	9.96E-01
Ga-68	9.05E-01	9.49E-01	9.50E-01	9.01E-01
Ge-68	1.54E+00	1.35E+00	2.02E+00	2.40E+00
Ge-68+D	9.05E-01	9.49E-01	9.50E-01	9.01E-01
As-69	9.12E-01	9.56E-01	9.58E-01	9.11E-01
As-69+D	9.33E-01	9.51E-01	9.53E-01	9.30E-01
Ge-69	8.59E-01	8.96E-01	8.99E-01	8.54E-01
Zn-69m	9.22E-01	9.65E-01	9.67E-01	9.18E-01
Zn-69	9.30E-01	9.71E-01	9.74E-01	9.26E-01
As-70	8.93E-01	9.32E-01	9.33E-01	8.85E-01
Ga-70	8.90E-01	9.27E-01	9.31E-01	8.86E-01
Se-70	1.11E+00	1.11E+00	1.26E+00	1.30E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Se-70+D	9.16E-01	9.47E-01	9.49E-01	9.13E-01
As-71	9.14E-01	9.57E-01	9.62E-01	9.16E-01
Ge-71	1.54E+00	1.35E+00	2.02E+00	2.40E+00
Zn-71m	8.90E-01	9.29E-01	9.30E-01	8.82E-01
As-72	8.84E-01	9.21E-01	9.23E-01	8.77E-01
Ga-72	8.95E-01	9.33E-01	9.34E-01	8.86E-01
Zn-72	1.11E+00	1.13E+00	1.20E+00	1.19E+00
Zn-72+D	9.01E-01	9.37E-01	9.38E-01	8.93E-01
As-73	1.48E+00	1.36E+00	1.85E+00	2.11E+00
Ga-73	1.09E+00	1.09E+00	1.23E+00	1.27E+00
Se-73m	1.20E+00	1.17E+00	1.38E+00	1.46E+00
Se-73m+D	1.02E+00	1.03E+00	1.10E+00	1.10E+00
Se-73	1.02E+00	1.03E+00	1.13E+00	1.14E+00
As-74	9.08E-01	9.47E-01	9.54E-01	9.10E-01
Br-74m	8.92E-01	9.29E-01	9.35E-01	8.90E-01
Br-74	8.67E-01	9.04E-01	9.12E-01	8.71E-01
Kr-74	9.99E-01	1.04E+00	1.05E+00	1.01E+00
Kr-74+D	8.96E-01	9.26E-01	9.32E-01	9.00E-01
Br-75	9.12E-01	9.56E-01	9.59E-01	9.11E-01
Br-75+D	1.01E+00	1.01E+00	1.03E+00	1.03E+00
Ge-75	9.66E-01	1.01E+00	1.02E+00	9.77E-01
Se-75	1.02E+00	1.04E+00	1.12E+00	1.11E+00
As-76	9.00E-01	9.41E-01	9.42E-01	8.94E-01
Br-76	9.46E-01	9.75E-01	1.01E+00	9.88E-01
Kr-76	1.30E+00	1.27E+00	1.50E+00	1.59E+00
Kr-76+D	9.56E-01	9.79E-01	1.01E+00	9.91E-01
As-77	9.50E-01	9.91E-01	1.00E+00	9.57E-01
Br-77	1.03E+00	1.06E+00	1.13E+00	1.12E+00
Ge-77	9.39E-01	9.81E-01	9.84E-01	9.35E-01
Kr-77	9.56E-01	9.92E-01	1.02E+00	9.86E-01
Kr-77+D	1.01E+00	1.01E+00	1.03E+00	1.03E+00
Se-77m	1.40E+00	1.32E+00	1.69E+00	1.87E+00
As-78	8.75E-01	9.13E-01	9.13E-01	8.66E-01
Ge-78	9.61E-01	1.00E+00	1.01E+00	9.66E-01
Ge-78+D	8.97E-01	9.29E-01	9.29E-01	8.90E-01
Kr-79	9.73E-01	1.00E+00	1.05E+00	1.02E+00
Rb-79	1.02E+00	1.05E+00	1.09E+00	1.06E+00
Rb-79+D	9.96E-01	1.00E+00	1.01E+00	1.00E+00
Se-79	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Br-80m	1.46E+00	1.40E+00	1.75E+00	1.91E+00
Br-80m+D	9.75E-01	9.93E-01	1.03E+00	1.02E+00
Br-80	9.67E-01	9.91E-01	1.04E+00	1.03E+00
Rb-80	9.18E-01	9.60E-01	9.67E-01	9.22E-01
Sr-80	1.53E+00	1.49E+00	1.78E+00	1.88E+00
Sr-80+D	9.18E-01	9.60E-01	9.67E-01	9.22E-01
Kr-81m	1.31E+00	1.29E+00	1.51E+00	1.57E+00
Kr-81	1.53E+00	1.44E+00	1.87E+00	2.07E+00
Rb-81m	1.52E+00	1.48E+00	1.76E+00	1.86E+00
Rb-81m+D	1.02E+00	1.05E+00	1.11E+00	1.10E+00
Rb-81	1.02E+00	1.05E+00	1.11E+00	1.10E+00
Se-81m	1.43E+00	1.35E+00	1.74E+00	1.92E+00
Se-81m+D	9.66E-01	9.80E-01	9.84E-01	9.71E-01
Se-81	9.09E-01	9.48E-01	9.51E-01	9.04E-01
Sr-81	9.38E-01	9.80E-01	9.86E-01	9.39E-01
Sr-81+D	1.01E+00	1.01E+00	1.04E+00	1.03E+00
Br-82	8.86E-01	9.24E-01	9.24E-01	8.77E-01
Rb-82m	8.88E-01	9.24E-01	9.29E-01	8.84E-01
Rb-82	9.31E-01	9.69E-01	9.86E-01	9.47E-01
Sr-82	1.53E+00	1.49E+00	1.78E+00	1.88E+00
Sr-82+D	9.31E-01	9.69E-01	9.86E-01	9.47E-01
Br-83	9.08E-01	9.51E-01	9.53E-01	9.04E-01

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Br-83+D	1.03E+00	1.02E+00	1.04E+00	1.05E+00
Kr-83m	1.53E+00	1.47E+00	1.82E+00	1.97E+00
Rb-83	1.24E+00	1.23E+00	1.42E+00	1.47E+00
Se-83	9.08E-01	9.51E-01	9.52E-01	9.04E-01
Sr-83	1.03E+00	1.05E+00	1.11E+00	1.09E+00
Sr-83+D	1.09E+00	1.08E+00	1.15E+00	1.17E+00
Br-84	8.62E-01	8.99E-01	8.99E-01	8.52E-01
Rb-84	1.25E+00	1.23E+00	1.43E+00	1.49E+00
Kr-85m	1.03E+00	1.06E+00	1.09E+00	1.05E+00
Kr-85	9.20E-01	9.63E-01	9.69E-01	9.23E-01
Sr-85m	1.01E+00	1.05E+00	1.07E+00	1.03E+00
Sr-85m+D	1.24E+00	1.23E+00	1.36E+00	1.41E+00
Sr-85	1.36E+00	1.34E+00	1.55E+00	1.61E+00
Rb-86	8.54E-01	8.91E-01	8.91E-01	8.45E-01
Y-86m	1.00E+00	1.04E+00	1.06E+00	1.01E+00
Y-86m+D	9.65E-01	1.00E+00	1.02E+00	9.77E-01
Y-86	9.63E-01	1.00E+00	1.02E+00	9.76E-01
Zr-86	1.37E+00	1.38E+00	1.51E+00	1.52E+00
Zr-86+D	9.67E-01	1.00E+00	1.02E+00	9.79E-01
Kr-87	8.62E-01	9.01E-01	9.02E-01	8.55E-01
Rb-87	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Sr-87m	1.06E+00	1.09E+00	1.13E+00	1.10E+00
Y-87	1.36E+00	1.35E+00	1.52E+00	1.55E+00
Y-87+D	1.02E+00	1.03E+00	1.04E+00	1.03E+00
Kr-88	1.02E+00	1.05E+00	1.09E+00	1.05E+00
Kr-88+D	9.50E-01	9.61E-01	9.62E-01	9.50E-01
Nb-88	9.17E-01	9.54E-01	9.64E-01	9.20E-01
Nb-88+D	1.04E+00	1.05E+00	1.08E+00	1.08E+00
Rb-88	8.03E-01	8.41E-01	8.40E-01	7.96E-01
Y-88	1.05E+00	1.07E+00	1.14E+00	1.13E+00
Zr-88	1.34E+00	1.35E+00	1.48E+00	1.49E+00
Zr-88+D	1.04E+00	1.06E+00	1.11E+00	1.11E+00
Nb-89b	9.26E-01	9.68E-01	9.74E-01	9.27E-01
Nb-89b+D	1.10E+00	1.10E+00	1.15E+00	1.15E+00
Nb-89a	9.60E-01	9.98E-01	1.01E+00	9.71E-01
Nb-89a+D	1.08E+00	1.08E+00	1.12E+00	1.12E+00
Rb-89	8.58E-01	8.96E-01	8.96E-01	8.49E-01
Sr-89	8.81E-01	9.17E-01	9.20E-01	8.75E-01
Zr-89	1.20E+00	1.22E+00	1.31E+00	1.31E+00
Mo-90	9.54E-01	9.92E-01	1.01E+00	9.64E-01
Mo-90+D	8.99E-01	9.30E-01	9.35E-01	8.97E-01
Nb-90	8.79E-01	9.16E-01	9.22E-01	8.77E-01
Sr-90	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Sr-90+D	1.47E+00	1.46E+00	1.61E+00	1.62E+00
Y-90m	1.01E+00	1.05E+00	1.07E+00	1.03E+00
Y-90	1.50E+00	1.49E+00	1.64E+00	1.66E+00
Sr-91	8.81E-01	9.18E-01	9.18E-01	8.71E-01
Sr-91+D	9.89E-01	1.00E+00	1.01E+00	9.95E-01
Y-91m	9.70E-01	1.01E+00	1.03E+00	9.88E-01
Y-91	8.44E-01	8.81E-01	8.81E-01	8.35E-01
Sr-92	8.31E-01	8.71E-01	8.71E-01	8.25E-01
Sr-92+D	9.71E-01	9.79E-01	9.79E-01	9.69E-01
Y-92	8.52E-01	8.91E-01	8.91E-01	8.44E-01
Mo-93m	9.13E-01	9.51E-01	9.61E-01	9.18E-01
Mo-93	1.47E+00	1.48E+00	1.60E+00	1.60E+00
Nb-93m	1.47E+00	1.48E+00	1.60E+00	1.60E+00
Tc-93m	1.01E+00	1.05E+00	1.07E+00	1.03E+00
Tc-93m+D	1.04E+00	1.05E+00	1.08E+00	1.06E+00
Tc-93	1.06E+00	1.09E+00	1.13E+00	1.09E+00
Y-93	8.12E-01	8.50E-01	8.49E-01	8.05E-01
Zr-93	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Nb-94	8.82E-01	9.18E-01	9.19E-01	8.72E-01
Ru-94	1.21E+00	1.24E+00	1.29E+00	1.26E+00
Ru-94+D	9.41E-01	9.68E-01	9.78E-01	9.47E-01
Tc-94m	9.21E-01	9.57E-01	9.70E-01	9.28E-01
Tc-94	9.25E-01	9.60E-01	9.69E-01	9.24E-01
Y-94	8.33E-01	8.71E-01	8.70E-01	8.25E-01
Nb-95m	1.41E+00	1.41E+00	1.52E+00	1.52E+00
Nb-95m+D	8.97E-01	9.29E-01	9.31E-01	8.89E-01
Nb-95	8.85E-01	9.21E-01	9.22E-01	8.75E-01
Tc-95m	9.13E-01	9.50E-01	9.55E-01	9.09E-01
Tc-95	9.53E-01	9.86E-01	1.00E+00	9.58E-01
Tc-95+D	0.953	0.986	1.0	0.958
Y-95	8.29E-01	8.69E-01	8.68E-01	8.23E-01
Y-95+D	9.21E-01	9.47E-01	9.48E-01	9.14E-01
Zr-95	8.87E-01	9.24E-01	9.24E-01	8.77E-01
Zr-95+D	9.38E-01	9.58E-01	9.59E-01	9.33E-01
Nb-96	8.88E-01	9.26E-01	9.26E-01	8.78E-01
Tc-96m	1.16E+00	1.20E+00	1.24E+00	1.21E+00
Tc-96m+D	8.85E-01	9.20E-01	9.21E-01	8.75E-01
Tc-96	8.82E-01	9.18E-01	9.19E-01	8.72E-01
Nb-97m	9.10E-01	9.45E-01	9.51E-01	9.06E-01
Nb-97m+D	9.47E-01	9.67E-01	9.67E-01	9.43E-01
Nb-97	8.94E-01	9.32E-01	9.33E-01	8.85E-01
Ru-97	1.16E+00	1.20E+00	1.24E+00	1.20E+00
Tc-97m	1.41E+00	1.44E+00	1.53E+00	1.50E+00
Tc-97	1.44E+00	1.46E+00	1.56E+00	1.55E+00
Zr-97	8.83E-01	9.21E-01	9.22E-01	8.74E-01
Zr-97+D	9.12E-01	9.45E-01	9.48E-01	9.07E-01
Nb-98	8.47E-01	8.86E-01	8.86E-01	8.40E-01
Tc-98	8.91E-01	9.28E-01	9.29E-01	8.82E-01
Mo-99	1.05E+00	1.09E+00	1.11E+00	1.06E+00
Mo-99+D	1.04E+00	1.05E+00	1.06E+00	1.05E+00
Rh-99m	8.90E-01	9.28E-01	9.32E-01	8.86E-01
Rh-99	9.59E-01	9.99E-01	1.01E+00	9.62E-01
Tc-99m	1.10E+00	1.14E+00	1.16E+00	1.12E+00
Tc-99	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Pd-100	1.22E+00	1.25E+00	1.29E+00	1.25E+00
Pd-100+D	9.35E-01	9.75E-01	9.79E-01	9.35E-01
Rh-100	9.31E-01	9.73E-01	9.78E-01	9.31E-01
Mo-101	9.98E-01	1.04E+00	1.05E+00	1.00E+00
Mo-101+D	9.86E-01	9.95E-01	9.96E-01	9.85E-01
Pd-101	9.54E-01	9.96E-01	1.00E+00	9.56E-01
Pd-101+D	9.87E-01	1.01E+00	1.01E+00	9.88E-01
Rh-101m	9.70E-01	1.01E+00	1.02E+00	9.71E-01
Rh-101m+D	1.00E+00	1.01E+00	1.01E+00	1.00E+00
Rh-101	1.05E+00	1.09E+00	1.11E+00	1.06E+00
Tc-101	9.31E-01	9.75E-01	9.77E-01	9.28E-01
Ag-102	8.38E-01	8.79E-01	8.78E-01	8.33E-01
Rh-102m	1.31E+00	1.35E+00	1.41E+00	1.37E+00
Rh-102m+D	9.84E-01	9.90E-01	9.90E-01	9.84E-01
Rh-102	8.89E-01	9.26E-01	9.29E-01	8.82E-01
Ag-103	1.08E+00	1.12E+00	1.14E+00	1.10E+00
Pd-103	1.36E+00	1.40E+00	1.46E+00	1.43E+00
Pd-103+D	1.03E+00	1.03E+00	1.03E+00	1.03E+00
Rh-103m	1.36E+00	1.40E+00	1.46E+00	1.42E+00
Ru-103	9.09E-01	9.53E-01	9.54E-01	9.05E-01
Ag-104m	8.87E-01	9.28E-01	9.32E-01	8.86E-01
Ag-104m+D	9.50E-01	9.68E-01	9.69E-01	9.46E-01
Ag-104	8.92E-01	9.29E-01	9.30E-01	8.83E-01
Cd-104	1.09E+00	1.13E+00	1.15E+00	1.11E+00
Cd-104+D	9.02E-01	9.36E-01	9.37E-01	8.94E-01

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Tc-104	9.38E-01	9.81E-01	9.83E-01	9.34E-01
Ag-105	9.61E-01	1.00E+00	1.01E+00	9.60E-01
Rh-105	9.52E-01	9.96E-01	1.00E+00	9.50E-01
Ru-105	9.38E-01	9.80E-01	9.83E-01	9.33E-01
Ru-105+D	9.95E-01	1.00E+00	1.00E+00	9.95E-01
Ag-106m	9.14E-01	9.56E-01	9.58E-01	9.10E-01
Ag-106	1.03E+00	1.08E+00	1.09E+00	1.05E+00
Rh-106m	8.94E-01	9.33E-01	9.33E-01	8.85E-01
Rh-106	9.09E-01	9.53E-01	9.54E-01	9.05E-01
Ru-106	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ru-106+D	9.09E-01	9.53E-01	9.54E-01	9.05E-01
Cd-107	1.24E+00	1.29E+00	1.32E+00	1.28E+00
Pd-107	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rh-107	9.42E-01	9.85E-01	9.87E-01	9.38E-01
Ag-108m	9.19E-01	9.59E-01	9.62E-01	9.14E-01
Ag-108	9.13E-01	9.53E-01	9.55E-01	9.08E-01
Ag-109m	1.30E+00	1.35E+00	1.39E+00	1.35E+00
Cd-109	1.31E+00	1.35E+00	1.40E+00	1.36E+00
In-109	9.57E-01	1.00E+00	1.01E+00	9.58E-01
Pd-109	1.30E+00	1.34E+00	1.38E+00	1.34E+00
Ag-110m	1.00E+00	1.05E+00	1.06E+00	1.01E+00
Ag-110	8.96E-01	9.34E-01	9.36E-01	8.88E-01
In-110b	9.01E-01	9.38E-01	9.40E-01	8.92E-01
In-110a	9.18E-01	9.59E-01	9.63E-01	9.16E-01
Sn-110	1.13E+00	1.18E+00	1.20E+00	1.15E+00
Sn-110+D	9.33E-01	9.67E-01	9.70E-01	9.31E-01
Ag-111	9.49E-01	9.92E-01	9.95E-01	9.45E-01
In-111	1.12E+00	1.16E+00	1.18E+00	1.14E+00
Sn-111	9.31E-01	9.72E-01	9.78E-01	9.32E-01
Sn-111+D	1.06E+00	1.07E+00	1.08E+00	1.06E+00
Ag-112	8.95E-01	9.34E-01	9.35E-01	8.87E-01
In-112	1.08E+00	1.12E+00	1.14E+00	1.09E+00
Cd-113m	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Cd-113	1.00E+00	1.04E+00	1.05E+00	9.95E-01
In-113m	1.06E+00	1.10E+00	1.12E+00	1.07E+00
Sn-113	1.27E+00	1.31E+00	1.35E+00	1.30E+00
Sn-113+D	1.06E+00	1.09E+00	1.11E+00	1.06E+00
In-114m	1.10E+00	1.15E+00	1.17E+00	1.12E+00
In-114	9.33E-01	9.72E-01	9.80E-01	9.34E-01
Ag-115	9.06E-01	9.46E-01	9.47E-01	8.99E-01
Ag-115+D	9.82E-01	9.98E-01	1.00E+00	9.82E-01
Cd-115m	8.53E-01	8.90E-01	8.90E-01	8.44E-01
Cd-115	9.21E-01	9.65E-01	9.67E-01	9.19E-01
Cd-115+D	9.99E-01	1.02E+00	1.02E+00	1.00E+00
In-115m	9.98E-01	1.04E+00	1.05E+00	1.00E+00
In-115	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Sb-115	9.48E-01	9.92E-01	9.97E-01	9.49E-01
In-116m	9.27E-01	9.69E-01	9.71E-01	9.22E-01
Sb-116m	8.81E-01	9.19E-01	9.21E-01	8.74E-01
Sb-116	9.15E-01	9.55E-01	9.60E-01	9.13E-01
Sb-116+D	0.915	0.955	0.960	0.913
Te-116	1.20E+00	1.24E+00	1.26E+00	1.21E+00
Te-116+D	9.18E-01	9.57E-01	9.62E-01	9.17E-01
Cd-117m	9.06E-01	9.48E-01	9.49E-01	9.01E-01
Cd-117m+D	9.85E-01	9.97E-01	9.98E-01	9.84E-01
Cd-117	9.46E-01	9.89E-01	9.92E-01	9.42E-01
Cd-117+D	9.87E-01	1.00E+00	1.00E+00	9.86E-01
In-117m	1.01E+00	1.05E+00	1.06E+00	1.01E+00
In-117m+D	9.58E-01	9.91E-01	9.94E-01	9.56E-01
In-117	9.46E-01	9.88E-01	9.92E-01	9.43E-01
Sb-117	1.14E+00	1.19E+00	1.21E+00	1.16E+00



Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Sn-117m	1.13E+00	1.18E+00	1.19E+00	1.14E+00
Sb-118m	9.20E-01	9.59E-01	9.64E-01	9.16E-01
In-119m	1.09E+00	1.13E+00	1.15E+00	1.10E+00
In-119m+D	9.55E-01	9.74E-01	9.76E-01	9.51E-01
In-119	9.10E-01	9.47E-01	9.50E-01	9.03E-01
Sb-119	1.26E+00	1.30E+00	1.33E+00	1.28E+00
Sn-119m	1.26E+00	1.30E+00	1.34E+00	1.29E+00
I-120m	8.74E-01	9.12E-01	9.12E-01	8.65E-01
I-120	9.06E-01	9.48E-01	9.49E-01	9.00E-01
Sb-120b	9.39E-01	9.78E-01	9.84E-01	9.36E-01
Sb-120a	1.05E+00	1.09E+00	1.11E+00	1.06E+00
Xe-120	1.07E+00	1.11E+00	1.12E+00	1.07E+00
Xe-120+D	9.20E-01	9.56E-01	9.57E-01	9.15E-01
I-121	9.37E-01	9.81E-01	9.84E-01	9.35E-01
I-121+D	9.84E-01	1.01E+00	1.01E+00	9.84E-01
Sn-121m	1.21E+00	1.26E+00	1.28E+00	1.23E+00
Sn-121	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Te-121m	9.90E-01	1.03E+00	1.04E+00	9.88E-01
Te-121m+D	9.82E-01	1.01E+00	1.02E+00	9.82E-01
Te-121	9.74E-01	1.02E+00	1.02E+00	9.74E-01
Xe-121	9.47E-01	9.90E-01	9.93E-01	9.43E-01
Xe-121+D	9.84E-01	1.00E+00	1.00E+00	9.84E-01
I-122	9.09E-01	9.52E-01	9.54E-01	9.06E-01
Sb-122	9.00E-01	9.41E-01	9.43E-01	8.94E-01
Xe-122	9.61E-01	1.00E+00	1.01E+00	9.58E-01
Xe-122+D	9.15E-01	9.55E-01	9.57E-01	9.12E-01
I-123	1.11E+00	1.15E+00	1.17E+00	1.11E+00
Sn-123m	1.04E+00	1.08E+00	1.09E+00	1.04E+00
Sn-123	8.53E-01	8.90E-01	8.90E-01	8.43E-01
Te-123m	1.09E+00	1.13E+00	1.14E+00	1.09E+00
Te-123	1.23E+00	1.28E+00	1.30E+00	1.25E+00
Xe-123	9.61E-01	1.00E+00	1.01E+00	9.59E-01
Xe-123+D	1.02E+00	1.03E+00	1.04E+00	1.03E+00
I-124	9.05E-01	9.44E-01	9.46E-01	8.98E-01
Sb-124n	1.27E+00	1.32E+00	1.35E+00	1.30E+00
Sb-124n+D	8.96E-01	9.35E-01	9.36E-01	8.88E-01
Sb-124m	9.01E-01	9.41E-01	9.42E-01	8.94E-01
Sb-124m+D	9.15E-01	9.47E-01	9.47E-01	9.08E-01
Sb-124	8.95E-01	9.34E-01	9.34E-01	8.87E-01
Cs-125	9.14E-01	9.57E-01	9.59E-01	9.11E-01
Cs-125+D	1.00E+00	1.02E+00	1.02E+00	1.00E+00
I-125	1.21E+00	1.25E+00	1.27E+00	1.22E+00
Sb-125	9.11E-01	9.52E-01	9.53E-01	9.05E-01
Sn-125	8.75E-01	9.11E-01	9.11E-01	8.64E-01
Sn-125+D	9.48E-01	9.74E-01	9.75E-01	9.44E-01
Te-125m	1.21E+00	1.25E+00	1.27E+00	1.22E+00
Xe-125	9.76E-01	1.02E+00	1.02E+00	9.73E-01
Xe-125+D	1.03E+00	1.03E+00	1.04E+00	1.03E+00
Ba-126	1.06E+00	1.10E+00	1.11E+00	1.06E+00
Ba-126+D	9.30E-01	9.68E-01	9.70E-01	9.27E-01
Cs-126	9.19E-01	9.63E-01	9.65E-01	9.16E-01
I-126	9.18E-01	9.58E-01	9.60E-01	9.12E-01
Sb-126m	8.97E-01	9.35E-01	9.36E-01	8.88E-01
Sb-126m+D	9.75E-01	9.84E-01	9.84E-01	9.73E-01
Sb-126	8.88E-01	9.26E-01	9.26E-01	8.79E-01
Sn-126	1.10E+00	1.14E+00	1.16E+00	1.11E+00
Sn-126+D	8.98E-01	9.35E-01	9.36E-01	8.90E-01
Cs-127	9.51E-01	9.93E-01	9.97E-01	9.48E-01
Cs-127+D	1.01E+00	1.03E+00	1.03E+00	1.01E+00
Sb-127	9.11E-01	9.54E-01	9.55E-01	9.07E-01
Sn-127	1.00E+00	1.05E+00	1.05E+00	1.00E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Sn-127+D	9.76E-01	9.88E-01	9.88E-01	9.75E-01
Te-127m	1.19E+00	1.24E+00	1.26E+00	1.21E+00
Te-127m+D	9.81E-01	9.93E-01	9.94E-01	9.80E-01
Te-127	9.32E-01	9.74E-01	9.76E-01	9.27E-01
Xe-127	1.03E+00	1.07E+00	1.08E+00	1.03E+00
Ba-128	1.12E+00	1.17E+00	1.19E+00	1.13E+00
Ba-128+D	9.31E-01	9.70E-01	9.73E-01	9.28E-01
Cs-128	9.24E-01	9.67E-01	9.70E-01	9.21E-01
I-128	9.28E-01	9.71E-01	9.73E-01	9.24E-01
Sb-128b	9.14E-01	9.57E-01	9.59E-01	9.10E-01
Sb-128a	8.85E-01	9.22E-01	9.23E-01	8.76E-01
Sn-128	9.74E-01	1.02E+00	1.02E+00	9.74E-01
Sn-128+D	9.14E-01	9.42E-01	9.43E-01	9.07E-01
Cs-129	9.41E-01	9.83E-01	9.86E-01	9.37E-01
I-129	1.17E+00	1.21E+00	1.23E+00	1.18E+00
Sb-129	9.00E-01	9.41E-01	9.41E-01	8.93E-01
Sb-129+D	0.900	0.941	0.941	0.893
Te-129m	1.20E+00	1.25E+00	1.27E+00	1.22E+00
Te-129m+D	9.64E-01	9.85E-01	9.86E-01	9.63E-01
Te-129	9.22E-01	9.66E-01	9.68E-01	9.19E-01
Xe-129m	1.17E+00	1.21E+00	1.23E+00	1.18E+00
Cs-130	9.48E-01	9.91E-01	9.96E-01	9.48E-01
I-130	8.97E-01	9.36E-01	9.37E-01	8.89E-01
Sb-130	8.85E-01	9.21E-01	9.21E-01	8.74E-01
Ba-131m	1.08E+00	1.12E+00	1.13E+00	1.08E+00
Ba-131m+D	9.72E-01	1.01E+00	1.01E+00	9.69E-01
Ba-131	9.56E-01	9.99E-01	1.00E+00	9.52E-01
Ba-131+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Cs-131	1.18E+00	1.23E+00	1.25E+00	1.20E+00
I-131	9.27E-01	9.68E-01	9.70E-01	9.22E-01
La-131	9.34E-01	9.77E-01	9.80E-01	9.30E-01
La-131+D	9.86E-01	1.00E+00	1.01E+00	9.84E-01
Sb-131	8.75E-01	9.12E-01	9.12E-01	8.65E-01
Sb-131+D	9.90E-01	1.00E+00	1.01E+00	9.88E-01
Te-131m	1.06E+00	1.10E+00	1.11E+00	1.06E+00
Te-131m+D	9.85E-01	9.95E-01	9.96E-01	9.84E-01
Te-131	9.83E-01	1.02E+00	1.03E+00	9.80E-01
Te-131+D	9.65E-01	9.85E-01	9.86E-01	9.62E-01
Xe-131m	1.18E+00	1.22E+00	1.24E+00	1.19E+00
Cs-132	8.97E-01	9.35E-01	9.36E-01	8.88E-01
I-132m	9.05E-01	9.43E-01	9.44E-01	8.96E-01
I-132m+D	9.37E-01	9.74E-01	9.76E-01	9.33E-01
I-132	9.27E-01	9.70E-01	9.72E-01	9.23E-01
La-132	9.07E-01	9.49E-01	9.50E-01	9.02E-01
Te-132	1.03E+00	1.08E+00	1.09E+00	1.04E+00
Te-132+D	9.34E-01	9.73E-01	9.75E-01	9.30E-01
Ba-133m	1.12E+00	1.16E+00	1.19E+00	1.15E+00
Ba-133m+D	9.79E-01	1.02E+00	1.02E+00	9.77E-01
Ba-133	9.75E-01	1.02E+00	1.02E+00	9.73E-01
I-133	9.07E-01	9.50E-01	9.51E-01	9.03E-01
I-133+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Te-133m	1.00E+00	1.05E+00	1.05E+00	1.00E+00
Te-133m+D	9.77E-01	9.89E-01	9.89E-01	9.76E-01
Te-133	8.51E-01	8.89E-01	8.89E-01	8.43E-01
Te-133+D	9.64E-01	9.84E-01	9.85E-01	9.63E-01
Xe-133m	1.15E+00	1.20E+00	1.22E+00	1.16E+00
Xe-133m+D	1.06E+00	1.07E+00	1.08E+00	1.06E+00
Xe-133	1.11E+00	1.15E+00	1.17E+00	1.11E+00
Ce-134	1.15E+00	1.19E+00	1.21E+00	1.16E+00
Ce-134+D	9.34E-01	9.76E-01	9.79E-01	9.32E-01
Cs-134m	1.15E+00	1.19E+00	1.23E+00	1.19E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Cs-134m+D	8.87E-01	9.25E-01	9.26E-01	8.78E-01
Cs-134	8.85E-01	9.23E-01	9.24E-01	8.76E-01
I-134	9.06E-01	9.48E-01	9.49E-01	9.00E-01
La-134	9.31E-01	9.75E-01	9.78E-01	9.29E-01
Te-134	8.98E-01	9.37E-01	9.37E-01	8.90E-01
Te-134+D	9.28E-01	9.61E-01	9.61E-01	9.23E-01
Ba-135m	1.11E+00	1.15E+00	1.17E+00	1.11E+00
Ce-135	9.61E-01	1.00E+00	1.01E+00	9.58E-01
Cs-135m	8.82E-01	9.18E-01	9.19E-01	8.72E-01
Cs-135	1.00E+00	1.04E+00	1.05E+00	9.95E-01
I-135	9.43E-01	9.86E-01	9.88E-01	9.39E-01
I-135+D	9.91E-01	9.98E-01	9.99E-01	9.90E-01
La-135	1.07E+00	1.11E+00	1.12E+00	1.07E+00
Xe-135m	9.14E-01	9.58E-01	9.60E-01	9.11E-01
Xe-135m+D	9.83E-01	1.00E+00	1.00E+00	9.82E-01
Xe-135	9.57E-01	1.00E+00	1.00E+00	9.53E-01
Cs-136	8.72E-01	9.09E-01	9.10E-01	8.63E-01
Nd-136	9.16E-01	9.58E-01	9.60E-01	9.11E-01
Nd-136+D	8.86E-01	9.21E-01	9.21E-01	8.79E-01
Pr-136	8.71E-01	9.10E-01	9.10E-01	8.63E-01
Ba-137m	9.10E-01	9.48E-01	9.50E-01	9.02E-01
Ce-137m	1.05E+00	1.10E+00	1.11E+00	1.06E+00
Ce-137m+D	1.05E+00	1.07E+00	1.08E+00	1.06E+00
Ce-137	1.14E+00	1.18E+00	1.21E+00	1.16E+00
Cs-137	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Cs-137+D	9.10E-01	9.48E-01	9.50E-01	9.02E-01
La-137	1.16E+00	1.20E+00	1.22E+00	1.17E+00
Pr-137	9.15E-01	9.59E-01	9.60E-01	9.11E-01
Pr-137+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Cs-138	9.13E-01	9.57E-01	9.58E-01	9.09E-01
La-138	8.54E-01	8.94E-01	8.94E-01	8.48E-01
Nd-138	1.06E+00	1.10E+00	1.11E+00	1.06E+00
Nd-138+D	9.15E-01	9.57E-01	9.59E-01	9.12E-01
Pr-138m	8.91E-01	9.29E-01	9.30E-01	8.82E-01
Pr-138	9.10E-01	9.54E-01	9.56E-01	9.07E-01
Xe-138	9.30E-01	9.73E-01	9.75E-01	9.27E-01
Xe-138+D	9.39E-01	9.70E-01	9.71E-01	9.37E-01
Ba-139	9.74E-01	1.02E+00	1.02E+00	9.71E-01
Ce-139	1.07E+00	1.11E+00	1.12E+00	1.07E+00
Nd-139m	9.41E-01	9.85E-01	9.88E-01	9.38E-01
Nd-139m+D	1.01E+00	1.01E+00	1.02E+00	1.01E+00
Nd-139	8.94E-01	9.36E-01	9.37E-01	8.89E-01
Nd-139+D	1.03E+00	1.04E+00	1.05E+00	1.03E+00
Pr-139	1.05E+00	1.09E+00	1.10E+00	1.05E+00
Pr-139+D	1.04E+00	1.06E+00	1.06E+00	1.04E+00
Ba-140	9.26E-01	9.69E-01	9.72E-01	9.24E-01
Ba-140+D	8.98E-01	9.35E-01	9.35E-01	8.91E-01
La-140	8.90E-01	9.30E-01	9.30E-01	8.83E-01
Ba-141	9.29E-01	9.73E-01	9.75E-01	9.26E-01
Ba-141+D	9.94E-01	9.99E-01	1.00E+00	9.93E-01
Ce-141	1.03E+00	1.07E+00	1.08E+00	1.03E+00
La-141	8.29E-01	8.68E-01	8.68E-01	8.22E-01
La-141+D	1.02E+00	1.05E+00	1.05E+00	1.02E+00
Nd-141m	8.89E-01	9.25E-01	9.26E-01	8.78E-01
Nd-141m+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Nd-141	1.06E+00	1.11E+00	1.12E+00	1.06E+00
Pm-141	9.03E-01	9.46E-01	9.47E-01	8.98E-01
Pm-141+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Sm-141m	9.24E-01	9.67E-01	9.69E-01	9.19E-01
Sm-141m+D	9.74E-01	9.88E-01	9.89E-01	9.73E-01
Sm-141	8.63E-01	9.04E-01	9.05E-01	8.58E-01

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Sm-141+D	9.67E-01	9.85E-01	9.85E-01	9.65E-01
Ba-142	9.53E-01	9.96E-01	9.99E-01	9.49E-01
Ba-142+D	9.33E-01	9.63E-01	9.64E-01	9.29E-01
La-142	9.07E-01	9.48E-01	9.49E-01	9.01E-01
Pm-142	9.09E-01	9.53E-01	9.55E-01	9.06E-01
Pr-142m	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pr-142m+D	8.17E-01	8.58E-01	8.57E-01	8.12E-01
Pr-142	8.17E-01	8.58E-01	8.57E-01	8.12E-01
Sm-142	1.06E+00	1.10E+00	1.11E+00	1.06E+00
Sm-142+D	9.18E-01	9.58E-01	9.60E-01	9.16E-01
Ce-143	9.54E-01	9.98E-01	1.00E+00	9.52E-01
La-143	8.67E-01	9.04E-01	9.05E-01	8.58E-01
La-143+D	9.65E-01	9.98E-01	1.00E+00	9.63E-01
Pm-143	1.00E+00	1.05E+00	1.05E+00	1.00E+00
Pr-143	8.86E-01	9.23E-01	9.23E-01	8.76E-01
Ce-144	1.02E+00	1.06E+00	1.07E+00	1.02E+00
Ce-144+D	8.86E-01	9.11E-01	9.11E-01	8.80E-01
Pm-144	9.05E-01	9.44E-01	9.45E-01	8.97E-01
Pr-144m	1.11E+00	1.15E+00	1.17E+00	1.11E+00
Pr-144m+D	8.71E-01	8.99E-01	8.99E-01	8.65E-01
Pr-144	8.22E-01	8.59E-01	8.58E-01	8.13E-01
Eu-145	9.01E-01	9.40E-01	9.41E-01	8.93E-01
Eu-145+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Gd-145	8.10E-01	8.49E-01	8.48E-01	8.04E-01
Gd-145+D	9.60E-01	9.79E-01	9.80E-01	9.57E-01
Pm-145	1.11E+00	1.16E+00	1.17E+00	1.12E+00
Pr-145	8.84E-01	9.21E-01	9.22E-01	8.75E-01
Sm-145	1.10E+00	1.15E+00	1.16E+00	1.11E+00
Sm-145+D	1.03E+00	1.05E+00	1.05E+00	1.04E+00
Eu-146	8.96E-01	9.34E-01	9.35E-01	8.87E-01
Gd-146	1.04E+00	1.08E+00	1.09E+00	1.04E+00
Gd-146+D	9.06E-01	9.41E-01	9.41E-01	8.98E-01
Pm-146	9.00E-01	9.39E-01	9.40E-01	8.92E-01
Sm-146	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Eu-147	8.90E-01	9.28E-01	9.28E-01	8.81E-01
Gd-147	9.64E-01	1.01E+00	1.01E+00	9.61E-01
Gd-147+D	9.69E-01	9.81E-01	9.81E-01	9.67E-01
Nd-147	9.28E-01	9.71E-01	9.73E-01	9.24E-01
Pm-147	1.04E+00	1.08E+00	1.09E+00	1.04E+00
Pr-147	9.34E-01	9.79E-01	9.81E-01	9.31E-01
Pr-147+D	9.89E-01	9.96E-01	9.96E-01	9.89E-01
Sm-147	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tb-147	8.77E-01	9.16E-01	9.16E-01	8.69E-01
Tb-147+D	9.68E-01	9.92E-01	9.94E-01	9.65E-01
Eu-148	9.72E-01	1.02E+00	1.02E+00	9.70E-01
Gd-148	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pm-148m	9.00E-01	9.40E-01	9.41E-01	8.93E-01
Pm-148	8.53E-01	8.94E-01	8.93E-01	8.47E-01
Eu-149	1.00E+00	1.04E+00	1.05E+00	1.00E+00
Gd-149	9.29E-01	9.72E-01	9.74E-01	9.25E-01
Gd-149+D	1.00E+00	1.01E+00	1.01E+00	1.00E+00
Nd-149	9.98E-01	1.04E+00	1.04E+00	9.94E-01
Pm-149	9.38E-01	9.81E-01	9.83E-01	9.34E-01
Tb-149	8.85E-01	9.22E-01	9.22E-01	8.75E-01
Tb-149+D	9.76E-01	9.90E-01	9.91E-01	9.74E-01
Eu-150b	9.44E-01	9.87E-01	9.90E-01	9.40E-01
Eu-150a	8.76E-01	9.16E-01	9.17E-01	8.70E-01
Pm-150	9.38E-01	9.82E-01	9.84E-01	9.35E-01
Tb-150	8.90E-01	9.29E-01	9.29E-01	8.82E-01
Gd-151	1.01E+00	1.06E+00	1.06E+00	1.01E+00
Nd-151	1.00E+00	1.04E+00	1.05E+00	9.96E-01

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Nd-151+D	1.01E+00	1.02E+00	1.02E+00	1.01E+00
Pm-151	1.02E+00	1.07E+00	1.08E+00	1.02E+00
Sm-151	1.34E+00	1.39E+00	1.44E+00	1.40E+00
Tb-151	9.27E-01	9.71E-01	9.72E-01	9.23E-01
Tb-151+D	1.00E+00	1.00E+00	1.00E+00	1.00E+00
Eu-152m	9.63E-01	1.01E+00	1.01E+00	9.60E-01
Eu-152	9.82E-01	1.03E+00	1.03E+00	9.79E-01
Gd-152	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Gd-153	1.04E+00	1.09E+00	1.10E+00	1.04E+00
Sm-153	1.03E+00	1.07E+00	1.08E+00	1.03E+00
Tb-153	1.01E+00	1.05E+00	1.06E+00	1.01E+00
Tb-153+D	1.01E+00	1.03E+00	1.03E+00	1.01E+00
Eu-154	1.02E+00	1.06E+00	1.07E+00	1.01E+00
Tb-154	9.29E-01	9.70E-01	9.73E-01	9.24E-01
Dy-155	9.72E-01	1.02E+00	1.02E+00	9.69E-01
Dy-155+D	1.00E+00	1.01E+00	1.01E+00	1.00E+00
Eu-155	1.03E+00	1.07E+00	1.08E+00	1.03E+00
Ho-155	9.96E-01	1.04E+00	1.04E+00	9.93E-01
Ho-155+D	9.88E-01	1.02E+00	1.02E+00	9.86E-01
Sm-155	9.93E-01	1.04E+00	1.04E+00	9.91E-01
Sm-155+D	1.01E+00	1.03E+00	1.03E+00	1.01E+00
Tb-155	1.02E+00	1.06E+00	1.07E+00	1.02E+00
Eu-156	9.39E-01	9.83E-01	9.86E-01	9.36E-01
Sm-156	9.95E-01	1.04E+00	1.04E+00	9.93E-01
Sm-156+D	9.44E-01	9.85E-01	9.87E-01	9.42E-01
Tb-156m	1.07E+00	1.12E+00	1.13E+00	1.08E+00
Tb-156m+D	9.12E-01	9.56E-01	9.57E-01	9.08E-01
Tb-156n	1.07E+00	1.11E+00	1.12E+00	1.07E+00
Tb-156n+D	9.11E-01	9.55E-01	9.56E-01	9.07E-01
Tb-156	9.11E-01	9.55E-01	9.56E-01	9.07E-01
Dy-157	9.50E-01	9.94E-01	9.97E-01	9.47E-01
Eu-157	9.33E-01	9.75E-01	9.77E-01	9.28E-01
Ho-157	9.89E-01	1.03E+00	1.04E+00	9.85E-01
Ho-157+D	9.79E-01	9.98E-01	9.99E-01	9.77E-01
Tb-157	1.09E+00	1.14E+00	1.15E+00	1.09E+00
Eu-158	8.74E-01	9.10E-01	9.10E-01	8.63E-01
Tb-158	8.71E-01	9.08E-01	9.08E-01	8.61E-01
Dy-159	1.08E+00	1.13E+00	1.14E+00	1.09E+00
Gd-159	9.44E-01	9.86E-01	9.89E-01	9.40E-01
Ho-159	9.97E-01	1.04E+00	1.04E+00	9.94E-01
Ho-159+D	1.01E+00	1.01E+00	1.02E+00	1.01E+00
Tb-160	8.81E-01	9.17E-01	9.18E-01	8.70E-01
Er-161	1.03E+00	1.08E+00	1.09E+00	1.04E+00
Er-161+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Ho-161	1.09E+00	1.13E+00	1.15E+00	1.09E+00
Tb-161	1.08E+00	1.12E+00	1.13E+00	1.08E+00
Ho-162m	9.91E-01	1.03E+00	1.04E+00	9.87E-01
Ho-162m+D	9.87E-01	9.93E-01	9.94E-01	9.86E-01
Ho-162	9.13E-01	9.55E-01	9.57E-01	9.08E-01
Tm-162	9.11E-01	9.55E-01	9.56E-01	9.07E-01
Yb-162	1.02E+00	1.06E+00	1.07E+00	1.02E+00
Yb-162+D	9.18E-01	9.59E-01	9.60E-01	9.14E-01
Ho-164m	1.07E+00	1.12E+00	1.13E+00	1.08E+00
Ho-164m+D	1.02E+00	1.04E+00	1.04E+00	1.02E+00
Ho-164	1.05E+00	1.10E+00	1.11E+00	1.05E+00
Dy-165	1.03E+00	1.07E+00	1.08E+00	1.03E+00
Er-165	1.07E+00	1.12E+00	1.13E+00	1.08E+00
Dy-166	1.04E+00	1.09E+00	1.10E+00	1.04E+00
Dy-166+D	9.82E-01	9.99E-01	1.00E+00	9.80E-01
Ho-166m	9.47E-01	9.90E-01	9.93E-01	9.43E-01
Ho-166	9.57E-01	9.98E-01	1.00E+00	9.53E-01

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Tm-166	9.68E-01	1.01E+00	1.01E+00	9.65E-01
Yb-166	1.06E+00	1.11E+00	1.11E+00	1.06E+00
Yb-166+D	9.70E-01	1.01E+00	1.01E+00	9.67E-01
Ho-167	9.41E-01	9.84E-01	9.86E-01	9.37E-01
Tm-167	1.00E+00	1.05E+00	1.05E+00	1.00E+00
Yb-167	1.00E+00	1.04E+00	1.05E+00	9.97E-01
Yb-167+D	1.00E+00	1.02E+00	1.02E+00	1.00E+00
Er-169	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Lu-169	9.89E-01	1.03E+00	1.04E+00	9.85E-01
Lu-169+D	9.97E-01	1.01E+00	1.01E+00	9.96E-01
Yb-169	9.87E-01	1.03E+00	1.03E+00	9.83E-01
Hf-170	1.06E+00	1.10E+00	1.11E+00	1.06E+00
Hf-170+D	1.03E+00	1.06E+00	1.08E+00	1.04E+00
Lu-170	1.04E+00	1.08E+00	1.10E+00	1.05E+00
Tm-170	1.04E+00	1.08E+00	1.09E+00	1.04E+00
Er-171	9.50E-01	9.94E-01	9.97E-01	9.47E-01
Lu-171	1.06E+00	1.10E+00	1.12E+00	1.07E+00
Tm-171	1.07E+00	1.11E+00	1.13E+00	1.09E+00
Er-172	1.00E+00	1.05E+00	1.05E+00	9.99E-01
Er-172+D	9.73E-01	9.93E-01	9.95E-01	9.72E-01
Hf-172	1.06E+00	1.10E+00	1.12E+00	1.08E+00
Hf-172+D	9.84E-01	1.02E+00	1.03E+00	9.82E-01
Lu-172	9.83E-01	1.03E+00	1.03E+00	9.81E-01
Ta-172	9.74E-01	1.01E+00	1.02E+00	9.78E-01
Ta-172+D	9.93E-01	1.02E+00	1.02E+00	9.92E-01
Tm-172	9.42E-01	9.85E-01	9.88E-01	9.39E-01
Hf-173	9.69E-01	1.01E+00	1.02E+00	9.68E-01
Hf-173+D	9.90E-01	1.00E+00	1.00E+00	9.90E-01
Lu-173	9.61E-01	1.00E+00	1.01E+00	9.61E-01
Ta-173	1.01E+00	1.05E+00	1.06E+00	1.02E+00
Ta-173+D	9.84E-01	1.00E+00	1.01E+00	9.84E-01
Tm-173	9.33E-01	9.75E-01	9.77E-01	9.28E-01
Lu-174m	1.06E+00	1.10E+00	1.12E+00	1.08E+00
Lu-174m+D	1.00E+00	1.03E+00	1.04E+00	1.01E+00
Lu-174	1.00E+00	1.04E+00	1.06E+00	1.02E+00
Ta-174	8.89E-01	9.29E-01	9.32E-01	8.86E-01
Hf-175	9.51E-01	9.93E-01	9.99E-01	9.52E-01
Ta-175	1.02E+00	1.06E+00	1.07E+00	1.02E+00
Ta-175+D	9.86E-01	9.98E-01	1.00E+00	9.86E-01
Tm-175	9.28E-01	9.71E-01	9.75E-01	9.27E-01
Yb-175	9.46E-01	9.88E-01	9.92E-01	9.44E-01
Lu-176m	1.07E+00	1.10E+00	1.14E+00	1.11E+00
Lu-176	9.68E-01	1.01E+00	1.02E+00	9.68E-01
Ta-176	1.05E+00	1.08E+00	1.12E+00	1.08E+00
W-176	1.04E+00	1.08E+00	1.09E+00	1.05E+00
W-176+D	1.05E+00	1.07E+00	1.11E+00	1.08E+00
Hf-177m	9.83E-01	1.02E+00	1.03E+00	9.80E-01
Lu-177m	1.03E+00	1.08E+00	1.09E+00	1.04E+00
Lu-177	9.91E-01	1.03E+00	1.04E+00	9.93E-01
Re-177	9.28E-01	9.70E-01	9.75E-01	9.28E-01
Re-177+D	1.00E+00	1.03E+00	1.03E+00	1.00E+00
Ta-177	1.05E+00	1.08E+00	1.12E+00	1.08E+00
W-177	1.00E+00	1.04E+00	1.05E+00	1.00E+00
W-177+D	1.00E+00	1.01E+00	1.01E+00	1.01E+00
Yb-177	9.20E-01	9.58E-01	9.61E-01	9.13E-01
Yb-177+D	9.98E-01	1.01E+00	1.01E+00	9.99E-01
Hf-178m	9.20E-01	9.63E-01	9.65E-01	9.16E-01
Lu-178m	9.52E-01	9.94E-01	9.99E-01	9.50E-01
Lu-178	8.41E-01	8.80E-01	8.81E-01	8.35E-01
Re-178	9.02E-01	9.42E-01	9.45E-01	8.98E-01
Re-178+D	1.00E+00	1.00E+00	1.01E+00	1.01E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ta-178b	9.57E-01	9.99E-01	1.00E+00	9.56E-01
Ta-178a	9.87E-01	1.02E+00	1.05E+00	1.01E+00
W-178	1.25E+00	1.22E+00	1.45E+00	1.54E+00
W-178+D	9.89E-01	1.02E+00	1.04E+00	1.01E+00
Yb-178	9.43E-01	9.84E-01	9.92E-01	9.47E-01
Yb-178+D	8.72E-01	9.04E-01	9.05E-01	8.67E-01
Hf-179m	9.34E-01	9.77E-01	9.80E-01	9.32E-01
Lu-179	9.57E-01	9.98E-01	1.00E+00	9.52E-01
Ta-179	1.14E+00	1.15E+00	1.25E+00	1.25E+00
W-179	1.14E+00	1.17E+00	1.22E+00	1.19E+00
W-179+D	1.04E+00	1.05E+00	1.08E+00	1.08E+00
Hf-180m	9.47E-01	9.90E-01	9.94E-01	9.45E-01
Os-180	1.23E+00	1.23E+00	1.36E+00	1.38E+00
Os-180+D	8.87E-01	9.22E-01	9.24E-01	8.81E-01
Re-180	8.80E-01	9.17E-01	9.19E-01	8.72E-01
Ta-180m	1.05E+00	1.09E+00	1.11E+00	1.06E+00
Ta-180	9.71E-01	1.01E+00	1.02E+00	9.76E-01
Hf-181	9.29E-01	9.73E-01	9.76E-01	9.28E-01
Os-181	9.84E-01	1.02E+00	1.04E+00	9.94E-01
Os-181+D	1.02E+00	1.04E+00	1.05E+00	1.03E+00
Re-181	1.05E+00	1.09E+00	1.11E+00	1.06E+00
Re-181+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
W-181	1.12E+00	1.14E+00	1.21E+00	1.20E+00
Hf-182m	1.04E+00	1.08E+00	1.09E+00	1.04E+00
Hf-182	9.62E-01	1.01E+00	1.01E+00	9.60E-01
Hf-182+D	9.97E-01	1.03E+00	1.04E+00	9.95E-01
Ir-182	1.02E+00	1.06E+00	1.09E+00	1.07E+00
Ir-182+D	1.02E+00	1.04E+00	1.05E+00	1.03E+00
Os-182	1.11E+00	1.12E+00	1.21E+00	1.21E+00
Os-182+D	1.00E+00	1.03E+00	1.04E+00	1.01E+00
Re-182b	1.03E+00	1.07E+00	1.09E+00	1.04E+00
Re-182a	1.00E+00	1.04E+00	1.06E+00	1.01E+00
Ta-182m	1.01E+00	1.05E+00	1.07E+00	1.02E+00
Ta-182m+D	9.97E-01	1.03E+00	1.04E+00	9.95E-01
Ta-182	9.96E-01	1.04E+00	1.04E+00	9.94E-01
Hf-183	8.90E-01	9.27E-01	9.27E-01	8.80E-01
Hf-183+D	1.00E+00	1.02E+00	1.02E+00	1.01E+00
Ta-183	1.01E+00	1.05E+00	1.07E+00	1.02E+00
Hf-184	9.90E-01	1.03E+00	1.05E+00	1.01E+00
Hf-184+D	9.73E-01	1.01E+00	1.01E+00	9.71E-01
Ir-184	1.08E+00	1.10E+00	1.17E+00	1.16E+00
Re-184m	1.09E+00	1.11E+00	1.16E+00	1.13E+00
Re-184m+D	9.72E-01	9.94E-01	1.00E+00	9.77E-01
Re-184	9.54E-01	9.90E-01	1.00E+00	9.62E-01
Ta-184	9.69E-01	1.01E+00	1.02E+00	9.66E-01
Ir-185	1.11E+00	1.13E+00	1.20E+00	1.19E+00
Ir-185+D	9.46E-01	9.66E-01	9.70E-01	9.47E-01
Os-185	9.00E-01	9.36E-01	9.42E-01	8.97E-01
Ta-185	9.91E-01	1.03E+00	1.04E+00	9.89E-01
W-185	1.08E+00	1.10E+00	1.17E+00	1.15E+00
Ir-186a	1.08E+00	1.10E+00	1.18E+00	1.17E+00
Ir-186b	9.15E-01	9.51E-01	9.60E-01	9.18E-01
Pt-186	9.49E-01	9.78E-01	1.01E+00	9.74E-01
Pt-186+D	9.51E-01	9.72E-01	9.78E-01	9.53E-01
Re-186m	1.39E+00	1.30E+00	1.70E+00	1.90E+00
Re-186m+D	1.06E+00	1.07E+00	1.09E+00	1.08E+00
Re-186	1.11E+00	1.13E+00	1.20E+00	1.18E+00
Ta-186	9.67E-01	1.01E+00	1.01E+00	9.65E-01
Ir-187	1.15E+00	1.16E+00	1.28E+00	1.30E+00
Re-187	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W-187	1.05E+00	1.08E+00	1.12E+00	1.09E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ir-188	9.84E-01	1.02E+00	1.05E+00	1.02E+00
Pt-188	1.02E+00	1.05E+00	1.08E+00	1.04E+00
Pt-188+D	9.86E-01	1.01E+00	1.04E+00	1.02E+00
Re-188m	1.12E+00	1.13E+00	1.23E+00	1.24E+00
Re-188m+D	9.86E-01	1.00E+00	1.01E+00	9.92E-01
Re-188	9.65E-01	1.00E+00	1.02E+00	9.80E-01
W-188	9.69E-01	1.01E+00	1.02E+00	9.76E-01
W-188+D	9.66E-01	1.00E+00	1.02E+00	9.81E-01
Ir-189	1.11E+00	1.13E+00	1.20E+00	1.19E+00
Os-189m	1.54E+00	1.39E+00	1.97E+00	2.28E+00
Pt-189	1.09E+00	1.11E+00	1.18E+00	1.17E+00
Pt-189+D	1.02E+00	1.02E+00	1.03E+00	1.03E+00
Re-189	9.93E-01	1.03E+00	1.05E+00	1.00E+00
Ir-190n	1.12E+00	1.14E+00	1.21E+00	1.19E+00
Ir-190m	1.54E+00	1.40E+00	1.95E+00	2.23E+00
Ir-190m+D	1.02E+00	1.05E+00	1.09E+00	1.05E+00
Ir-190	1.02E+00	1.05E+00	1.09E+00	1.05E+00
Os-190m	9.25E-01	9.65E-01	9.73E-01	9.28E-01
Ir-191m	1.09E+00	1.11E+00	1.19E+00	1.18E+00
Os-191m	1.35E+00	1.28E+00	1.62E+00	1.78E+00
Os-191m+D	1.08E+00	1.10E+00	1.16E+00	1.15E+00
Os-191	1.09E+00	1.11E+00	1.19E+00	1.18E+00
Pt-191	1.08E+00	1.10E+00	1.15E+00	1.13E+00
Ir-192m	9.96E-01	1.04E+00	1.04E+00	9.90E-01
Ir-192m+D	1.11E+00	1.13E+00	1.19E+00	1.19E+00
Ir-192	1.14E+00	1.15E+00	1.23E+00	1.22E+00
Au-193	1.10E+00	1.12E+00	1.18E+00	1.16E+00
Hg-193m	1.21E+00	1.22E+00	1.34E+00	1.36E+00
Hg-193m+D	1.01E+00	1.01E+00	1.02E+00	1.02E+00
Hg-193	1.09E+00	1.11E+00	1.18E+00	1.18E+00
Hg-193+D	1.04E+00	1.05E+00	1.07E+00	1.07E+00
Os-193	1.06E+00	1.08E+00	1.13E+00	1.11E+00
Pt-193m	1.31E+00	1.28E+00	1.53E+00	1.63E+00
Pt-193	1.54E+00	1.42E+00	1.91E+00	2.15E+00
Au-194	1.13E+00	1.15E+00	1.24E+00	1.24E+00
Hg-194	1.53E+00	1.45E+00	1.86E+00	2.06E+00
Hg-194+D	1.13E+00	1.15E+00	1.24E+00	1.24E+00
Ir-194m	9.10E-01	9.51E-01	9.53E-01	9.05E-01
Ir-194	9.45E-01	9.88E-01	9.91E-01	9.42E-01
Os-194	1.46E+00	1.37E+00	1.78E+00	1.97E+00
Os-194+D	9.46E-01	9.88E-01	9.91E-01	9.43E-01
Tl-194m	1.03E+00	1.06E+00	1.09E+00	1.06E+00
Tl-194	9.30E-01	9.68E-01	9.79E-01	9.35E-01
Au-195m	9.96E-01	1.03E+00	1.06E+00	1.02E+00
Au-195m+D	1.05E+00	1.05E+00	1.09E+00	1.09E+00
Au-195	1.18E+00	1.18E+00	1.31E+00	1.33E+00
Hg-195m	1.50E+00	1.45E+00	1.75E+00	1.87E+00
Hg-195m+D	1.06E+00	1.06E+00	1.10E+00	1.10E+00
Hg-195	1.14E+00	1.15E+00	1.26E+00	1.27E+00
Hg-195+D	1.05E+00	1.05E+00	1.08E+00	1.08E+00
Ir-195m	1.50E+00	1.42E+00	1.80E+00	1.98E+00
Ir-195	1.15E+00	1.15E+00	1.26E+00	1.27E+00
Pb-195m	9.62E-01	9.99E-01	1.02E+00	9.78E-01
Pb-195m+D	1.05E+00	1.06E+00	1.10E+00	1.09E+00
Pt-195m	1.15E+00	1.16E+00	1.26E+00	1.27E+00
Tl-195	1.10E+00	1.12E+00	1.19E+00	1.17E+00
Tl-195+D	1.03E+00	1.03E+00	1.04E+00	1.05E+00
Hg-197m	1.25E+00	1.25E+00	1.40E+00	1.43E+00
Hg-197m+D	1.08E+00	1.08E+00	1.12E+00	1.13E+00
Hg-197	1.22E+00	1.21E+00	1.38E+00	1.42E+00
Pt-197m	1.16E+00	1.17E+00	1.26E+00	1.26E+00



Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Pt-197m+D	1.05E+00	1.04E+00	1.07E+00	1.08E+00
Pt-197	1.23E+00	1.22E+00	1.40E+00	1.45E+00
Tl-197	1.06E+00	1.08E+00	1.13E+00	1.11E+00
Tl-197+D	1.03E+00	1.03E+00	1.05E+00	1.05E+00
Au-198m	9.96E-01	1.04E+00	1.05E+00	1.01E+00
Au-198m+D	9.71E-01	9.88E-01	9.90E-01	9.69E-01
Au-198	9.30E-01	9.71E-01	9.75E-01	9.26E-01
Pb-198	1.07E+00	1.09E+00	1.15E+00	1.12E+00
Pb-198+D	1.11E+00	1.12E+00	1.19E+00	1.19E+00
Tl-198m	1.36E+00	1.34E+00	1.55E+00	1.61E+00
Tl-198m+D	1.05E+00	1.05E+00	1.08E+00	1.08E+00
Tl-198	1.13E+00	1.15E+00	1.24E+00	1.24E+00
Au-199	1.03E+00	1.06E+00	1.09E+00	1.05E+00
Hg-199m	1.06E+00	1.08E+00	1.14E+00	1.11E+00
Pb-199	1.19E+00	1.19E+00	1.32E+00	1.34E+00
Pb-199+D	1.00E+00	1.01E+00	1.01E+00	1.01E+00
Pt-199	1.02E+00	1.05E+00	1.08E+00	1.05E+00
Pt-199+D	1.01E+00	1.02E+00	1.03E+00	1.02E+00
Tl-199	1.03E+00	1.07E+00	1.10E+00	1.06E+00
Au-200m	1.33E+00	1.31E+00	1.52E+00	1.58E+00
Au-200	9.38E-01	9.80E-01	9.83E-01	9.35E-01
Bi-200	1.02E+00	1.05E+00	1.08E+00	1.05E+00
Bi-200+D	1.05E+00	1.05E+00	1.09E+00	1.09E+00
Pb-200	1.07E+00	1.10E+00	1.15E+00	1.13E+00
Pb-200+D	1.12E+00	1.13E+00	1.21E+00	1.21E+00
Pt-200	1.12E+00	1.14E+00	1.22E+00	1.21E+00
Pt-200+D	9.50E-01	9.84E-01	9.87E-01	9.48E-01
Tl-200	1.14E+00	1.15E+00	1.25E+00	1.25E+00
Au-201	9.71E-01	1.01E+00	1.03E+00	9.96E-01
Bi-201	9.10E-01	9.43E-01	9.59E-01	9.21E-01
Bi-201+D	1.08E+00	1.08E+00	1.13E+00	1.14E+00
Pb-201	1.20E+00	1.20E+00	1.33E+00	1.36E+00
Pb-201+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Tl-201	1.08E+00	1.11E+00	1.16E+00	1.14E+00
Bi-202	1.14E+00	1.15E+00	1.24E+00	1.24E+00
Pb-202m	1.47E+00	1.44E+00	1.69E+00	1.77E+00
Pb-202	1.54E+00	1.41E+00	1.93E+00	2.20E+00
Pb-202+D	9.82E-01	1.02E+00	1.04E+00	1.01E+00
Tl-202	9.82E-01	1.02E+00	1.04E+00	1.01E+00
Bi-203	1.14E+00	1.16E+00	1.24E+00	1.24E+00
Bi-203+D	1.00E+00	1.01E+00	1.01E+00	1.01E+00
Hg-203	9.69E-01	1.01E+00	1.02E+00	9.76E-01
Pb-203	1.02E+00	1.05E+00	1.09E+00	1.06E+00
Po-203	1.07E+00	1.10E+00	1.15E+00	1.12E+00
Po-203+D	1.08E+00	1.09E+00	1.13E+00	1.13E+00
Tl-204	1.21E+00	1.21E+00	1.35E+00	1.37E+00
Bi-205	1.20E+00	1.21E+00	1.33E+00	1.35E+00
Pb-205	1.54E+00	1.41E+00	1.92E+00	2.18E+00
Po-205	1.15E+00	1.17E+00	1.25E+00	1.25E+00
Po-205+D	1.10E+00	1.10E+00	1.15E+00	1.16E+00
Bi-206	1.09E+00	1.12E+00	1.18E+00	1.17E+00
Tl-206	1.11E+00	1.12E+00	1.22E+00	1.22E+00
At-207	1.07E+00	1.10E+00	1.15E+00	1.13E+00
At-207+D	1.08E+00	1.09E+00	1.14E+00	1.14E+00
Bi-207	8.96E-01	9.33E-01	9.42E-01	8.99E-01
Po-207	1.17E+00	1.18E+00	1.29E+00	1.29E+00
Tl-207	8.72E-01	9.09E-01	9.09E-01	8.62E-01
Tl-208	9.07E-01	9.48E-01	9.50E-01	9.02E-01
Pb-209	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Tl-209	8.90E-01	9.33E-01	9.36E-01	8.90E-01
Bi-210m	9.60E-01	1.00E+00	1.01E+00	9.64E-01

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Bi-210	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Pb-210	1.48E+00	1.44E+00	1.72E+00	1.82E+00
Pb-210+D	1.00E+00	1.01E+00	1.01E+00	9.99E-01
Po-210	8.81E-01	9.16E-01	9.17E-01	8.70E-01
At-211	1.52E+00	1.49E+00	1.72E+00	1.79E+00
At-211+D	9.91E-01	9.94E-01	9.95E-01	9.92E-01
Bi-211	9.55E-01	9.95E-01	1.01E+00	9.61E-01
Bi-211+D	9.90E-01	9.93E-01	9.93E-01	9.89E-01
Pb-211	9.34E-01	9.75E-01	9.80E-01	9.32E-01
Pb-211+D	9.74E-01	9.94E-01	9.99E-01	9.76E-01
Po-211	8.86E-01	9.25E-01	9.25E-01	8.78E-01
Bi-212	1.41E+00	1.39E+00	1.59E+00	1.64E+00
Bi-212+D	9.25E-01	9.58E-01	9.61E-01	9.23E-01
Pb-212	9.99E-01	1.04E+00	1.06E+00	1.01E+00
Pb-212+D	9.81E-01	1.01E+00	1.04E+00	1.01E+00
Po-212	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Bi-213	1.52E+00	1.49E+00	1.73E+00	1.80E+00
Bi-213+D	9.81E-01	9.88E-01	9.90E-01	9.84E-01
Po-213	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Po-213+D	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Bi-214	1.05E+00	1.08E+00	1.12E+00	1.09E+00
Pb-214	1.05E+00	1.08E+00	1.12E+00	1.09E+00
Pb-214+D	1.04E+00	1.06E+00	1.10E+00	1.08E+00
Po-214	8.81E-01	9.17E-01	9.17E-01	8.70E-01
Po-214+D	1.33E+00	1.31E+00	1.51E+00	1.56E+00
At-215	9.33E-01	9.74E-01	9.78E-01	9.30E-01
At-215+D	9.49E-01	9.89E-01	9.99E-01	9.54E-01
Po-215	9.24E-01	9.67E-01	9.70E-01	9.22E-01
Po-215+D	9.41E-01	9.82E-01	9.89E-01	9.43E-01
At-216	1.15E+00	1.17E+00	1.26E+00	1.25E+00
At-216+D	9.79E-01	1.01E+00	1.04E+00	1.01E+00
Po-216	8.80E-01	9.16E-01	9.16E-01	8.70E-01
Po-216+D	9.81E-01	1.01E+00	1.04E+00	1.01E+00
At-217	9.33E-01	9.72E-01	9.80E-01	9.35E-01
At-217+D	1.37E+00	1.35E+00	1.54E+00	1.58E+00
At-218	1.47E+00	1.43E+00	1.71E+00	1.80E+00
At-218+D	1.05E+00	1.08E+00	1.12E+00	1.09E+00
Po-218	8.77E-01	9.13E-01	9.13E-01	8.66E-01
Po-218+D	1.05E+00	1.08E+00	1.12E+00	1.09E+00
Rn-218	9.01E-01	9.40E-01	9.42E-01	8.94E-01
Rn-218+D	1.28E+00	1.26E+00	1.42E+00	1.47E+00
Fr-219	9.43E-01	9.85E-01	9.91E-01	9.45E-01
Fr-219+D	9.52E-01	9.89E-01	9.99E-01	9.56E-01
Rn-219	9.67E-01	1.01E+00	1.02E+00	9.70E-01
Rn-219+D	9.62E-01	9.88E-01	9.93E-01	9.62E-01
Fr-220	1.26E+00	1.27E+00	1.40E+00	1.42E+00
Fr-220+D	9.79E-01	1.01E+00	1.04E+00	1.01E+00
Rn-220	9.06E-01	9.49E-01	9.51E-01	9.02E-01
Rn-220+D	9.81E-01	1.01E+00	1.04E+00	1.01E+00
Fr-221	9.88E-01	1.03E+00	1.04E+00	9.91E-01
Fr-221+D	1.31E+00	1.30E+00	1.46E+00	1.50E+00
Fr-222	1.00E+00	1.04E+00	1.05E+00	9.95E-01
Fr-222+D	1.04E+00	1.06E+00	1.10E+00	1.09E+00
Ra-222	9.50E-01	9.93E-01	9.98E-01	9.49E-01
Ra-222+D	1.09E+00	1.08E+00	1.13E+00	1.15E+00
Rn-222	9.11E-01	9.55E-01	9.57E-01	9.09E-01
Rn-222+D	1.05E+00	1.08E+00	1.12E+00	1.09E+00
Ac-223	1.40E+00	1.38E+00	1.60E+00	1.66E+00
Ac-223+D	9.54E-01	9.89E-01	9.98E-01	9.59E-01
Fr-223	1.15E+00	1.18E+00	1.23E+00	1.20E+00
Fr-223+D	1.04E+00	1.07E+00	1.10E+00	1.07E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ra-223	1.17E+00	1.19E+00	1.27E+00	1.25E+00
Ra-223+D	9.75E-01	9.96E-01	1.00E+00	9.77E-01
Ac-224	1.49E+00	1.48E+00	1.64E+00	1.66E+00
Ac-224+D	9.84E-01	1.01E+00	1.04E+00	1.01E+00
Ra-224	9.83E-01	1.02E+00	1.04E+00	9.88E-01
Ra-224+D	9.81E-01	1.01E+00	1.04E+00	1.01E+00
Ac-225	1.33E+00	1.33E+00	1.47E+00	1.48E+00
Ac-225+D	1.28E+00	1.28E+00	1.42E+00	1.44E+00
Ra-225	1.23E+00	1.25E+00	1.32E+00	1.29E+00
Ra-225+D	1.29E+00	1.29E+00	1.43E+00	1.46E+00
Ac-226	1.46E+00	1.46E+00	1.59E+00	1.59E+00
Ac-226+D	1.00E+00	1.01E+00	1.01E+00	1.00E+00
Ra-226	1.03E+00	1.06E+00	1.08E+00	1.04E+00
Ra-226+D	1.05E+00	1.08E+00	1.12E+00	1.09E+00
Th-226	1.14E+00	1.17E+00	1.23E+00	1.20E+00
Th-226+D	1.03E+00	1.05E+00	1.08E+00	1.06E+00
Ac-227	1.47E+00	1.47E+00	1.61E+00	1.62E+00
Ac-227+D	1.09E+00	1.12E+00	1.17E+00	1.14E+00
Pa-227	1.46E+00	1.46E+00	1.59E+00	1.59E+00
Pa-227+D	1.03E+00	1.06E+00	1.09E+00	1.06E+00
Ra-227	1.25E+00	1.28E+00	1.35E+00	1.32E+00
Ra-227+D	1.06E+00	1.08E+00	1.11E+00	1.09E+00
Th-227	1.20E+00	1.23E+00	1.30E+00	1.27E+00
Th-227+D	1.04E+00	1.06E+00	1.08E+00	1.06E+00
Ac-228	1.26E+00	1.28E+00	1.37E+00	1.36E+00
Ac-228+D	9.90E-01	1.01E+00	1.02E+00	1.01E+00
Pa-228	1.45E+00	1.46E+00	1.59E+00	1.58E+00
Pa-228+D	9.92E-01	1.01E+00	1.02E+00	1.01E+00
Ra-228	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228+D	1.09E+00	1.12E+00	1.17E+00	1.15E+00
Th-228	1.37E+00	1.37E+00	1.51E+00	1.52E+00
Th-228+D	9.81E-01	1.01E+00	1.04E+00	1.01E+00
Th-229	1.16E+00	1.19E+00	1.25E+00	1.22E+00
Th-229+D	1.22E+00	1.21E+00	1.31E+00	1.33E+00
Pa-230	1.44E+00	1.45E+00	1.57E+00	1.56E+00
Th-230	1.47E+00	1.46E+00	1.64E+00	1.68E+00
U-230	1.40E+00	1.40E+00	1.53E+00	1.54E+00
U-230+D	1.07E+00	1.10E+00	1.15E+00	1.13E+00
Pa-231	1.35E+00	1.37E+00	1.46E+00	1.44E+00
Th-231	1.30E+00	1.32E+00	1.40E+00	1.37E+00
U-231	1.16E+00	1.20E+00	1.24E+00	1.20E+00
Np-232	1.00E+00	1.04E+00	1.05E+00	1.01E+00
Pa-232	1.15E+00	1.18E+00	1.23E+00	1.19E+00
Th-232	1.48E+00	1.47E+00	1.66E+00	1.69E+00
U-232	1.46E+00	1.46E+00	1.61E+00	1.63E+00
U-232+D	9.81E-01	1.01E+00	1.04E+00	1.01E+00
Np-233	1.12E+00	1.15E+00	1.19E+00	1.15E+00
Pa-233	1.11E+00	1.15E+00	1.18E+00	1.14E+00
U-233	1.46E+00	1.46E+00	1.60E+00	1.62E+00
Np-234	1.22E+00	1.25E+00	1.31E+00	1.29E+00
Pa-234m	1.43E+00	1.44E+00	1.55E+00	1.53E+00
Pa-234m+D	1.02E+00	1.02E+00	1.02E+00	1.02E+00
Pa-234	1.15E+00	1.19E+00	1.23E+00	1.20E+00
Pu-234	1.41E+00	1.43E+00	1.52E+00	1.50E+00
Pu-234+D	1.21E+00	1.23E+00	1.29E+00	1.27E+00
Th-234	1.14E+00	1.18E+00	1.22E+00	1.18E+00
Th-234+D	1.24E+00	1.25E+00	1.31E+00	1.30E+00
U-234	1.47E+00	1.46E+00	1.62E+00	1.64E+00
Np-235	1.45E+00	1.46E+00	1.58E+00	1.57E+00
Pu-235	1.15E+00	1.19E+00	1.23E+00	1.19E+00
Pu-235+D	1.02E+00	1.02E+00	1.02E+00	1.02E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
U-235	1.18E+00	1.21E+00	1.26E+00	1.24E+00
U-235+D	1.03E+00	1.03E+00	1.04E+00	1.03E+00
Np-236a	1.41E+00	1.44E+00	1.53E+00	1.51E+00
Np-236b	1.41E+00	1.43E+00	1.53E+00	1.51E+00
Pu-236	1.45E+00	1.46E+00	1.59E+00	1.59E+00
U-236	1.47E+00	1.47E+00	1.62E+00	1.64E+00
Am-237	1.08E+00	1.12E+00	1.14E+00	1.10E+00
Am-237+D	1.04E+00	1.04E+00	1.05E+00	1.05E+00
Np-237	1.24E+00	1.26E+00	1.33E+00	1.30E+00
Np-237+D	1.10E+00	1.13E+00	1.15E+00	1.12E+00
Pu-237	1.40E+00	1.43E+00	1.51E+00	1.49E+00
U-237	1.11E+00	1.15E+00	1.18E+00	1.14E+00
Am-238	1.13E+00	1.17E+00	1.21E+00	1.17E+00
Cm-238	1.16E+00	1.19E+00	1.24E+00	1.20E+00
Cm-238+D	1.13E+00	1.16E+00	1.20E+00	1.17E+00
Np-238	1.40E+00	1.42E+00	1.52E+00	1.51E+00
Pu-238	1.45E+00	1.46E+00	1.59E+00	1.59E+00
U-238	1.47E+00	1.47E+00	1.63E+00	1.65E+00
U-238+D	1.28E+00	1.31E+00	1.38E+00	1.35E+00
Am-239	1.40E+00	1.42E+00	1.51E+00	1.48E+00
Np-239	1.07E+00	1.12E+00	1.14E+00	1.09E+00
Pu-239	1.45E+00	1.45E+00	1.58E+00	1.59E+00
U-239	1.13E+00	1.17E+00	1.20E+00	1.15E+00
U-239+D	1.05E+00	1.08E+00	1.10E+00	1.07E+00
Am-240	1.22E+00	1.25E+00	1.30E+00	1.27E+00
Cm-240	1.42E+00	1.44E+00	1.55E+00	1.54E+00
Cm-240+D	1.18E+00	1.18E+00	1.22E+00	1.22E+00
Np-240m	1.27E+00	1.29E+00	1.37E+00	1.35E+00
Np-240	1.16E+00	1.19E+00	1.23E+00	1.20E+00
Pu-240	1.45E+00	1.46E+00	1.59E+00	1.59E+00
U-240	1.42E+00	1.43E+00	1.54E+00	1.53E+00
U-240+D	1.26E+00	1.29E+00	1.36E+00	1.34E+00
Am-241	1.16E+00	1.20E+00	1.24E+00	1.20E+00
Cm-241	1.38E+00	1.41E+00	1.48E+00	1.45E+00
Pu-241	1.28E+00	1.30E+00	1.38E+00	1.36E+00
Pu-241+D	1.06E+00	1.08E+00	1.10E+00	1.08E+00
Am-242m	1.38E+00	1.41E+00	1.48E+00	1.45E+00
Am-242m+D	1.30E+00	1.33E+00	1.39E+00	1.36E+00
Am-242	1.36E+00	1.40E+00	1.47E+00	1.44E+00
Am-242+D	1.02E+00	1.02E+00	1.02E+00	1.02E+00
Cm-242	1.42E+00	1.44E+00	1.55E+00	1.54E+00
Pu-242	1.45E+00	1.46E+00	1.59E+00	1.59E+00
Am-243	1.10E+00	1.14E+00	1.16E+00	1.12E+00
Am-243+D	1.05E+00	1.08E+00	1.10E+00	1.07E+00
Cm-243	1.09E+00	1.14E+00	1.16E+00	1.12E+00
Pu-243	1.10E+00	1.14E+00	1.16E+00	1.12E+00
Am-244m	1.39E+00	1.42E+00	1.51E+00	1.49E+00
Am-244m+D	1.08E+00	1.08E+00	1.10E+00	1.10E+00
Am-244	9.30E-01	9.66E-01	9.74E-01	9.28E-01
Cf-244	1.39E+00	1.42E+00	1.51E+00	1.49E+00
Cf-244+D	1.24E+00	1.25E+00	1.31E+00	1.31E+00
Cm-244	1.42E+00	1.44E+00	1.55E+00	1.54E+00
Pu-244	2.12E+00	2.17E+00	2.27E+00	2.21E+00
Pu-244+D	1.24E+00	1.26E+00	1.33E+00	1.31E+00
Am-245	1.02E+00	1.06E+00	1.07E+00	1.03E+00
Bk-245	1.36E+00	1.39E+00	1.46E+00	1.42E+00
Cm-245	1.13E+00	1.17E+00	1.21E+00	1.17E+00
Pu-245	1.10E+00	1.14E+00	1.17E+00	1.12E+00
Pu-245+D	1.00E+00	1.00E+00	1.00E+00	1.00E+00
Am-246m	1.28E+00	1.31E+00	1.38E+00	1.35E+00
Am-246	1.05E+00	1.09E+00	1.11E+00	1.07E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Bk-246	9.37E-01	9.73E-01	9.82E-01	9.37E-01
Cf-246	1.39E+00	1.42E+00	1.51E+00	1.49E+00
Cf-246+D	1.20E+00	1.20E+00	1.25E+00	1.24E+00
Cm-246	1.42E+00	1.44E+00	1.55E+00	1.54E+00
Pu-246	1.11E+00	1.16E+00	1.18E+00	1.14E+00
Pu-246+D	1.24E+00	1.27E+00	1.33E+00	1.30E+00
Bk-247	1.03E+00	1.07E+00	1.08E+00	1.04E+00
Cm-247	1.03E+00	1.07E+00	1.09E+00	1.05E+00
Cm-247+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Cf-248	1.39E+00	1.42E+00	1.51E+00	1.49E+00
Cf-248+D	1.19E+00	1.20E+00	1.24E+00	1.23E+00
Cm-248	1.71E+00	1.79E+00	1.79E+00	1.70E+00
Bk-249	9.77E-01	1.02E+00	1.03E+00	9.80E-01
Bk-249+D	1.00E+00	1.00E+00	1.00E+00	1.00E+00
Cf-249	1.17E+00	1.21E+00	1.25E+00	1.21E+00
Cm-249	9.72E-01	1.01E+00	1.02E+00	9.72E-01
Bk-250	8.70E-01	9.07E-01	9.08E-01	8.62E-01
Cf-250	1.39E+00	1.42E+00	1.51E+00	1.49E+00
Cm-250	1.70E+00	1.77E+00	1.77E+00	1.68E+00
Es-250	9.60E-01	9.98E-01	1.01E+00	9.63E-01
Cf-251	1.14E+00	1.17E+00	1.21E+00	1.17E+00
Es-251	1.10E+00	1.14E+00	1.16E+00	1.12E+00
Cf-252	1.73E+00	1.81E+00	1.81E+00	1.72E+00
Fm-252	1.37E+00	1.40E+00	1.48E+00	1.45E+00
Fm-252+D	1.25E+00	1.26E+00	1.32E+00	1.31E+00
Cf-253	1.39E+00	1.42E+00	1.51E+00	1.49E+00
Cf-253+D	1.30E+00	1.32E+00	1.39E+00	1.36E+00
Es-253	1.35E+00	1.39E+00	1.46E+00	1.43E+00
Fm-253	1.31E+00	1.35E+00	1.40E+00	1.36E+00
Cf-254	1.70E+00	1.77E+00	1.77E+00	1.68E+00
Es-254m	1.30E+00	1.34E+00	1.39E+00	1.34E+00
Es-254	1.36E+00	1.39E+00	1.46E+00	1.44E+00
Es-254+D	8.73E-01	9.09E-01	9.10E-01	8.65E-01
Fm-254	1.37E+00	1.40E+00	1.47E+00	1.45E+00
Fm-254+D	1.15E+00	1.16E+00	1.19E+00	1.19E+00
Fm-255	1.34E+00	1.37E+00	1.45E+00	1.43E+00
Fm-257	1.06E+00	1.11E+00	1.12E+00	1.08E+00
Md-257	1.30E+00	1.34E+00	1.39E+00	1.34E+00
Md-257+D	1.03E+00	1.04E+00	1.05E+00	1.03E+00
Md-258	1.35E+00	1.38E+00	1.45E+00	1.41E+00
Md-258+D	8.78E-01	9.15E-01	9.17E-01	8.72E-01

Table 3. Ratio of the dose rate at various locations in the 100 x 100 x 10 ft room to that for an infinite plane source.

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
H-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Be-7	1.11E+00	1.21E+00	1.08E+00	9.79E-01
Be-10	1.20E+00	1.30E+00	1.17E+00	1.06E+00
C-11	1.11E+00	1.20E+00	1.08E+00	9.74E-01
N-13	1.11E+00	1.20E+00	1.08E+00	9.74E-01
C-14	1.20E+00	1.30E+00	1.17E+00	1.06E+00
O-15	1.11E+00	1.20E+00	1.08E+00	9.74E-01
F-18	1.11E+00	1.20E+00	1.08E+00	9.74E-01
Ne-19	1.11E+00	1.20E+00	1.08E+00	9.74E-01
Na-22	1.07E+00	1.16E+00	1.04E+00	9.41E-01
Na-24	9.86E-01	1.07E+00	9.57E-01	8.63E-01
Al-26	1.04E+00	1.14E+00	1.02E+00	9.19E-01
Al-28	9.91E-01	1.08E+00	9.67E-01	8.73E-01
Mg-28	1.11E+00	1.21E+00	1.08E+00	9.80E-01
Mg-28+D	9.95E-01	1.04E+00	9.82E-01	9.29E-01
P-30	1.11E+00	1.20E+00	1.08E+00	9.74E-01
Si-31	1.03E+00	1.11E+00	9.99E-01	9.01E-01
P-32	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Si-32	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Si-32+D	1.20E+00	1.30E+00	1.16E+00	1.06E+00
P-33	1.20E+00	1.30E+00	1.17E+00	1.06E+00
S-35	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Cl-36	1.11E+00	1.20E+00	1.08E+00	9.74E-01
Ar-37	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cl-38	9.83E-01	1.07E+00	9.58E-01	8.64E-01
K-38	1.04E+00	1.14E+00	1.02E+00	9.18E-01
Ar-39	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Cl-39	1.03E+00	1.12E+00	1.00E+00	9.02E-01
K-40	1.01E+00	1.10E+00	9.85E-01	8.89E-01
Ar-41	1.03E+00	1.11E+00	9.97E-01	8.99E-01
Ca-41	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K-42	1.01E+00	1.10E+00	9.82E-01	8.86E-01
K-43	1.10E+00	1.20E+00	1.07E+00	9.67E-01
Sc-43	1.11E+00	1.21E+00	1.08E+00	9.80E-01
K-44	9.74E-01	1.06E+00	9.47E-01	8.54E-01
Sc-44m	1.15E+00	1.24E+00	1.12E+00	1.01E+00
Sc-44m+D	1.07E+00	1.14E+00	1.04E+00	9.52E-01
Sc-44	1.08E+00	1.17E+00	1.05E+00	9.45E-01
Ti-44	1.25E+00	1.34E+00	1.21E+00	1.09E+00
Ti-44+D	1.07E+00	1.15E+00	1.04E+00	9.49E-01
Ca-45	1.47E+00	1.49E+00	1.47E+00	1.44E+00
K-45	1.03E+00	1.12E+00	1.00E+00	9.03E-01
Ti-45	1.11E+00	1.20E+00	1.08E+00	9.74E-01
Sc-46	1.05E+00	1.14E+00	1.02E+00	9.19E-01
Ca-47	1.03E+00	1.12E+00	1.00E+00	9.04E-01
Ca-47+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Sc-47	1.20E+00	1.30E+00	1.16E+00	1.05E+00
V-47	1.11E+00	1.20E+00	1.08E+00	9.73E-01
Cr-48	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Cr-48+D	1.04E+00	1.11E+00	1.01E+00	9.27E-01
Sc-48	1.04E+00	1.12E+00	1.01E+00	9.09E-01
V-48	1.04E+00	1.13E+00	1.01E+00	9.15E-01
Ca-49	9.45E-01	1.02E+00	9.16E-01	8.26E-01
Cr-49	1.13E+00	1.22E+00	1.10E+00	9.91E-01
Sc-49	9.94E-01	1.08E+00	9.69E-01	8.74E-01
V-49	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cr-51	1.15E+00	1.24E+00	1.12E+00	1.01E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Mn-51	1.11E+00	1.20E+00	1.08E+00	9.73E-01
Fe-52	1.14E+00	1.23E+00	1.10E+00	9.98E-01
Fe-52+D	1.04E+00	1.10E+00	1.02E+00	9.40E-01
Mn-52m	1.05E+00	1.14E+00	1.02E+00	9.22E-01
Mn-52	1.03E+00	1.12E+00	1.00E+00	9.03E-01
Mn-53	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn-54	1.07E+00	1.16E+00	1.04E+00	9.36E-01
Co-55	1.05E+00	1.14E+00	1.02E+00	9.22E-01
Fe-55	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-56	1.01E+00	1.10E+00	9.82E-01	8.86E-01
Mn-56	1.02E+00	1.10E+00	9.89E-01	8.93E-01
Ni-56	1.09E+00	1.18E+00	1.06E+00	9.55E-01
Ni-56+D	1.01E+00	1.06E+00	9.88E-01	9.23E-01
Co-57	1.39E+00	1.45E+00	1.37E+00	1.29E+00
Ni-57	1.02E+00	1.11E+00	9.92E-01	8.96E-01
Ni-57+D	1.02E+00	1.02E+00	1.02E+00	1.02E+00
Co-58m	1.44E+00	1.55E+00	1.41E+00	1.29E+00
Co-58m+D	1.07E+00	1.17E+00	1.04E+00	9.43E-01
Co-58	1.07E+00	1.17E+00	1.04E+00	9.43E-01
Fe-59	1.04E+00	1.12E+00	1.01E+00	9.08E-01
Ni-59	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60m	1.21E+00	1.31E+00	1.18E+00	1.06E+00
Co-60m+D	1.03E+00	1.11E+00	9.99E-01	9.01E-01
Co-60	1.03E+00	1.11E+00	9.99E-01	9.01E-01
Cu-60	1.02E+00	1.11E+00	9.95E-01	8.98E-01
Fe-60	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Fe-60+D	1.21E+00	1.31E+00	1.17E+00	1.06E+00
Co-61	1.23E+00	1.33E+00	1.20E+00	1.08E+00
Cu-61	1.06E+00	1.15E+00	1.03E+00	9.27E-01
Co-62m	1.02E+00	1.10E+00	9.89E-01	8.92E-01
Cu-62	1.11E+00	1.20E+00	1.08E+00	9.73E-01
Zn-62	1.10E+00	1.20E+00	1.07E+00	9.69E-01
Zn-62+D	1.07E+00	1.13E+00	1.05E+00	9.81E-01
Ni-63	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn-63	1.07E+00	1.16E+00	1.04E+00	9.42E-01
Cu-64	1.11E+00	1.20E+00	1.08E+00	9.73E-01
Ga-65	1.08E+00	1.17E+00	1.05E+00	9.47E-01
Ga-65+D	1.01E+00	1.04E+00	1.00E+00	9.71E-01
Ni-65	1.02E+00	1.11E+00	9.95E-01	8.98E-01
Zn-65	1.04E+00	1.13E+00	1.01E+00	9.13E-01
Cu-66	1.05E+00	1.14E+00	1.02E+00	9.18E-01
Ga-66	1.04E+00	1.13E+00	1.01E+00	9.14E-01
Ge-66	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Ge-66+D	1.03E+00	1.09E+00	1.01E+00	9.34E-01
Ni-66	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Ni-66+D	1.05E+00	1.13E+00	1.02E+00	9.18E-01
Cu-67	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Ga-67	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Ge-67	1.04E+00	1.13E+00	1.01E+00	9.15E-01
Ge-67+D	1.02E+00	1.02E+00	1.01E+00	1.00E+00
Ga-68	1.10E+00	1.20E+00	1.07E+00	9.71E-01
Ge-68	1.36E+00	1.36E+00	1.38E+00	1.40E+00
Ge-68+D	1.10E+00	1.20E+00	1.07E+00	9.71E-01
As-69	1.11E+00	1.21E+00	1.08E+00	9.77E-01
As-69+D	1.02E+00	1.06E+00	1.01E+00	9.63E-01
Ge-69	1.05E+00	1.14E+00	1.02E+00	9.20E-01
Zn-69m	1.12E+00	1.22E+00	1.09E+00	9.85E-01
Zn-69	1.13E+00	1.22E+00	1.10E+00	9.91E-01
As-70	1.09E+00	1.18E+00	1.06E+00	9.54E-01
Ga-70	1.08E+00	1.17E+00	1.05E+00	9.49E-01
Se-70	1.23E+00	1.30E+00	1.21E+00	1.13E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Se-70+D	1.07E+00	1.13E+00	1.04E+00	9.64E-01
As-71	1.11E+00	1.21E+00	1.08E+00	9.78E-01
Ge-71	1.36E+00	1.36E+00	1.38E+00	1.40E+00
Zn-71m	1.09E+00	1.18E+00	1.05E+00	9.52E-01
As-72	1.07E+00	1.17E+00	1.04E+00	9.44E-01
Ga-72	1.09E+00	1.18E+00	1.06E+00	9.55E-01
Zn-72	1.26E+00	1.35E+00	1.23E+00	1.14E+00
Zn-72+D	1.09E+00	1.17E+00	1.05E+00	9.58E-01
As-73	1.39E+00	1.40E+00	1.39E+00	1.38E+00
Ga-73	1.22E+00	1.29E+00	1.19E+00	1.11E+00
Se-73m	1.27E+00	1.32E+00	1.25E+00	1.19E+00
Se-73m+D	1.12E+00	1.17E+00	1.10E+00	1.04E+00
Se-73	1.16E+00	1.24E+00	1.14E+00	1.05E+00
As-74	1.10E+00	1.19E+00	1.07E+00	9.69E-01
Br-74m	1.08E+00	1.17E+00	1.05E+00	9.52E-01
Br-74	1.05E+00	1.14E+00	1.02E+00	9.27E-01
Kr-74	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Kr-74+D	1.04E+00	1.10E+00	1.02E+00	9.44E-01
Br-75	1.11E+00	1.21E+00	1.08E+00	9.77E-01
Br-75+D	1.04E+00	1.06E+00	1.04E+00	1.02E+00
Ge-75	1.16E+00	1.26E+00	1.13E+00	1.02E+00
Se-75	1.18E+00	1.27E+00	1.16E+00	1.06E+00
As-76	1.10E+00	1.19E+00	1.07E+00	9.63E-01
Br-76	1.12E+00	1.21E+00	1.09E+00	9.96E-01
Kr-76	1.35E+00	1.41E+00	1.33E+00	1.27E+00
Kr-76+D	1.10E+00	1.17E+00	1.07E+00	9.97E-01
As-77	1.14E+00	1.24E+00	1.11E+00	1.01E+00
Br-77	1.20E+00	1.28E+00	1.17E+00	1.07E+00
Ge-77	1.14E+00	1.24E+00	1.11E+00	1.00E+00
Kr-77	1.14E+00	1.23E+00	1.11E+00	1.01E+00
Kr-77+D	1.04E+00	1.06E+00	1.04E+00	1.02E+00
Se-77m	1.37E+00	1.40E+00	1.36E+00	1.33E+00
As-78	1.07E+00	1.16E+00	1.04E+00	9.36E-01
Ge-78	1.16E+00	1.26E+00	1.13E+00	1.02E+00
Ge-78+D	1.05E+00	1.12E+00	1.03E+00	9.48E-01
Kr-79	1.15E+00	1.23E+00	1.11E+00	1.02E+00
Rb-79	1.19E+00	1.28E+00	1.16E+00	1.06E+00
Rb-79+D	1.02E+00	1.03E+00	1.02E+00	1.00E+00
Se-79	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Br-80m	1.44E+00	1.47E+00	1.43E+00	1.39E+00
Br-80m+D	1.10E+00	1.16E+00	1.08E+00	1.01E+00
Br-80	1.13E+00	1.21E+00	1.10E+00	1.01E+00
Rb-80	1.11E+00	1.21E+00	1.08E+00	9.80E-01
Sr-80	1.51E+00	1.54E+00	1.50E+00	1.46E+00
Sr-80+D	1.11E+00	1.20E+00	1.08E+00	9.80E-01
Kr-81m	1.37E+00	1.42E+00	1.35E+00	1.28E+00
Kr-81	1.46E+00	1.47E+00	1.46E+00	1.44E+00
Rb-81m	1.51E+00	1.53E+00	1.49E+00	1.45E+00
Rb-81m+D	1.17E+00	1.25E+00	1.15E+00	1.06E+00
Rb-81	1.18E+00	1.26E+00	1.15E+00	1.06E+00
Se-81m	1.39E+00	1.42E+00	1.39E+00	1.35E+00
Se-81m+D	1.04E+00	1.07E+00	1.03E+00	9.88E-01
Se-81	1.10E+00	1.20E+00	1.07E+00	9.70E-01
Sr-81	1.14E+00	1.23E+00	1.10E+00	1.00E+00
Sr-81+D	1.05E+00	1.07E+00	1.04E+00	1.02E+00
Br-82	1.08E+00	1.17E+00	1.05E+00	9.46E-01
Rb-82m	1.08E+00	1.17E+00	1.05E+00	9.46E-01
Rb-82	1.12E+00	1.21E+00	1.09E+00	9.88E-01
Sr-82	1.51E+00	1.54E+00	1.50E+00	1.46E+00
Sr-82+D	1.12E+00	1.21E+00	1.09E+00	9.88E-01
Br-83	1.11E+00	1.20E+00	1.08E+00	9.72E-01



Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Br-83+D	1.02E+00	1.02E+00	1.02E+00	1.02E+00
Kr-83m	1.49E+00	1.51E+00	1.48E+00	1.45E+00
Rb-83	1.31E+00	1.36E+00	1.29E+00	1.22E+00
Se-83	1.11E+00	1.20E+00	1.08E+00	9.72E-01
Sr-83	1.19E+00	1.27E+00	1.16E+00	1.07E+00
Sr-83+D	1.11E+00	1.12E+00	1.10E+00	1.08E+00
Br-84	1.05E+00	1.14E+00	1.02E+00	9.23E-01
Rb-84	1.31E+00	1.36E+00	1.29E+00	1.23E+00
Kr-85m	1.21E+00	1.31E+00	1.18E+00	1.08E+00
Kr-85	1.12E+00	1.21E+00	1.08E+00	9.83E-01
Sr-85m	1.20E+00	1.29E+00	1.17E+00	1.06E+00
Sr-85m+D	1.25E+00	1.27E+00	1.25E+00	1.21E+00
Sr-85	1.40E+00	1.45E+00	1.38E+00	1.32E+00
Rb-86	1.04E+00	1.13E+00	1.01E+00	9.15E-01
Y-86m	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Y-86m+D	1.14E+00	1.22E+00	1.11E+00	1.02E+00
Y-86	1.15E+00	1.24E+00	1.12E+00	1.02E+00
Zr-86	1.45E+00	1.51E+00	1.42E+00	1.35E+00
Zr-86+D	1.13E+00	1.22E+00	1.11E+00	1.02E+00
Kr-87	1.05E+00	1.14E+00	1.02E+00	9.25E-01
Rb-87	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Sr-87m	1.22E+00	1.30E+00	1.19E+00	1.09E+00
Y-87	1.41E+00	1.46E+00	1.39E+00	1.33E+00
Y-87+D	1.07E+00	1.10E+00	1.06E+00	1.03E+00
Kr-88	1.20E+00	1.28E+00	1.17E+00	1.06E+00
Kr-88+D	9.97E-01	1.02E+00	9.91E-01	9.67E-01
Nb-88	1.10E+00	1.19E+00	1.07E+00	9.73E-01
Nb-88+D	1.08E+00	1.10E+00	1.07E+00	1.04E+00
Rb-88	9.86E-01	1.07E+00	9.60E-01	8.66E-01
Y-88	1.18E+00	1.25E+00	1.15E+00	1.07E+00
Zr-88	1.42E+00	1.47E+00	1.39E+00	1.32E+00
Zr-88+D	1.14E+00	1.20E+00	1.13E+00	1.06E+00
Nb-89b	1.12E+00	1.21E+00	1.09E+00	9.87E-01
Nb-89b+D	1.13E+00	1.15E+00	1.12E+00	1.09E+00
Nb-89a	1.14E+00	1.23E+00	1.11E+00	1.01E+00
Nb-89a+D	1.10E+00	1.12E+00	1.10E+00	1.08E+00
Rb-89	1.05E+00	1.14E+00	1.02E+00	9.20E-01
Sr-89	1.07E+00	1.16E+00	1.04E+00	9.39E-01
Zr-89	1.31E+00	1.37E+00	1.28E+00	1.20E+00
Mo-90	1.14E+00	1.22E+00	1.11E+00	1.01E+00
Mo-90+D	1.05E+00	1.12E+00	1.03E+00	9.48E-01
Nb-90	1.06E+00	1.15E+00	1.03E+00	9.37E-01
Sr-90	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Sr-90+D	1.49E+00	1.54E+00	1.48E+00	1.42E+00
Y-90m	1.19E+00	1.28E+00	1.16E+00	1.06E+00
Y-90	1.53E+00	1.58E+00	1.51E+00	1.45E+00
Sr-91	1.07E+00	1.16E+00	1.04E+00	9.41E-01
Sr-91+D	1.04E+00	1.07E+00	1.04E+00	1.01E+00
Y-91m	1.15E+00	1.24E+00	1.12E+00	1.02E+00
Y-91	1.03E+00	1.12E+00	1.00E+00	9.06E-01
Sr-92	1.02E+00	1.11E+00	9.93E-01	8.96E-01
Sr-92+D	1.01E+00	1.02E+00	1.00E+00	9.84E-01
Y-92	1.04E+00	1.13E+00	1.01E+00	9.15E-01
Mo-93m	1.09E+00	1.18E+00	1.06E+00	9.68E-01
Mo-93	1.52E+00	1.58E+00	1.50E+00	1.43E+00
Nb-93m	1.52E+00	1.58E+00	1.50E+00	1.43E+00
Tc-93m	1.19E+00	1.27E+00	1.16E+00	1.06E+00
Tc-93m+D	1.12E+00	1.16E+00	1.10E+00	1.05E+00
Tc-93	1.20E+00	1.28E+00	1.18E+00	1.09E+00
Y-93	9.94E-01	1.08E+00	9.69E-01	8.75E-01
Zr-93	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Nb-94	1.07E+00	1.16E+00	1.04E+00	9.41E-01
Ru-94	1.35E+00	1.43E+00	1.32E+00	1.22E+00
Ru-94+D	1.07E+00	1.13E+00	1.05E+00	9.79E-01
Tc-94m	1.10E+00	1.18E+00	1.07E+00	9.72E-01
Tc-94	1.11E+00	1.19E+00	1.08E+00	9.77E-01
Y-94	1.02E+00	1.11E+00	9.92E-01	8.96E-01
Nb-95m	1.48E+00	1.54E+00	1.45E+00	1.38E+00
Nb-95m+D	1.07E+00	1.15E+00	1.04E+00	9.50E-01
Nb-95	1.08E+00	1.17E+00	1.04E+00	9.44E-01
Tc-95m	1.10E+00	1.19E+00	1.07E+00	9.70E-01
Tc-95	1.13E+00	1.22E+00	1.10E+00	1.00E+00
Tc-95+D	1.13	1.22	1.10	1.00
Y-95	1.02E+00	1.11E+00	9.91E-01	8.94E-01
Y-95+D	1.05E+00	1.10E+00	1.03E+00	9.63E-01
Zr-95	1.08E+00	1.17E+00	1.05E+00	9.46E-01
Zr-95+D	1.04E+00	1.08E+00	1.02E+00	9.71E-01
Nb-96	1.08E+00	1.17E+00	1.05E+00	9.48E-01
Tc-96m	1.31E+00	1.40E+00	1.28E+00	1.18E+00
Tc-96m+D	1.07E+00	1.16E+00	1.04E+00	9.42E-01
Tc-96	1.07E+00	1.16E+00	1.04E+00	9.41E-01
Nb-97m	1.10E+00	1.19E+00	1.07E+00	9.65E-01
Nb-97m+D	1.04E+00	1.08E+00	1.03E+00	9.78E-01
Nb-97	1.09E+00	1.18E+00	1.06E+00	9.54E-01
Ru-97	1.31E+00	1.41E+00	1.29E+00	1.19E+00
Tc-97m	1.51E+00	1.59E+00	1.48E+00	1.39E+00
Tc-97	1.52E+00	1.58E+00	1.49E+00	1.41E+00
Zr-97	1.08E+00	1.17E+00	1.04E+00	9.44E-01
Zr-97+D	1.08E+00	1.16E+00	1.05E+00	9.64E-01
Nb-98	1.04E+00	1.13E+00	1.01E+00	9.11E-01
Tc-98	1.09E+00	1.18E+00	1.05E+00	9.51E-01
Mo-99	1.23E+00	1.33E+00	1.20E+00	1.09E+00
Mo-99+D	1.10E+00	1.13E+00	1.09E+00	1.05E+00
Rh-99m	1.08E+00	1.17E+00	1.05E+00	9.48E-01
Rh-99	1.15E+00	1.24E+00	1.12E+00	1.01E+00
Tc-99m	1.27E+00	1.37E+00	1.24E+00	1.14E+00
Tc-99	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Pd-100	1.38E+00	1.47E+00	1.34E+00	1.23E+00
Pd-100+D	1.12E+00	1.20E+00	1.09E+00	9.91E-01
Rh-100	1.13E+00	1.22E+00	1.09E+00	9.91E-01
Mo-101	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Mo-101+D	1.02E+00	1.04E+00	1.02E+00	9.99E-01
Pd-101	1.15E+00	1.24E+00	1.11E+00	1.01E+00
Pd-101+D	1.08E+00	1.12E+00	1.06E+00	1.02E+00
Rh-101m	1.17E+00	1.26E+00	1.14E+00	1.03E+00
Rh-101m+D	1.01E+00	1.02E+00	1.01E+00	1.01E+00
Rh-101	1.23E+00	1.33E+00	1.20E+00	1.10E+00
Tc-101	1.13E+00	1.23E+00	1.10E+00	9.94E-01
Ag-102	1.03E+00	1.11E+00	1.00E+00	9.02E-01
Rh-102m	1.45E+00	1.55E+00	1.42E+00	1.31E+00
Rh-102m+D	1.01E+00	1.02E+00	1.01E+00	9.93E-01
Rh-102	1.08E+00	1.17E+00	1.05E+00	9.48E-01
Ag-103	1.26E+00	1.36E+00	1.23E+00	1.12E+00
Pd-103	1.49E+00	1.58E+00	1.46E+00	1.35E+00
Pd-103+D	1.03E+00	1.04E+00	1.03E+00	1.03E+00
Rh-103m	1.49E+00	1.58E+00	1.46E+00	1.35E+00
Ru-103	1.11E+00	1.20E+00	1.08E+00	9.74E-01
Ag-104m	1.08E+00	1.17E+00	1.05E+00	9.48E-01
Ag-104m+D	1.03E+00	1.07E+00	1.02E+00	9.78E-01
Ag-104	1.08E+00	1.18E+00	1.05E+00	9.51E-01
Cd-104	1.27E+00	1.36E+00	1.24E+00	1.13E+00
Cd-104+D	1.07E+00	1.15E+00	1.05E+00	9.56E-01

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Tc-104	1.14E+00	1.23E+00	1.11E+00	1.00E+00
Ag-105	1.16E+00	1.26E+00	1.13E+00	1.02E+00
Rh-105	1.15E+00	1.25E+00	1.12E+00	1.01E+00
Ru-105	1.14E+00	1.23E+00	1.11E+00	1.00E+00
Ru-105+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00
Ag-106m	1.11E+00	1.20E+00	1.08E+00	9.76E-01
Ag-106	1.22E+00	1.31E+00	1.19E+00	1.08E+00
Rh-106m	1.09E+00	1.18E+00	1.06E+00	9.55E-01
Rh-106	1.11E+00	1.20E+00	1.08E+00	9.74E-01
Ru-106	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ru-106+D	1.11E+00	1.20E+00	1.08E+00	9.74E-01
Cd-107	1.40E+00	1.50E+00	1.37E+00	1.26E+00
Pd-107	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rh-107	1.14E+00	1.24E+00	1.11E+00	1.00E+00
Ag-108m	1.11E+00	1.21E+00	1.08E+00	9.78E-01
Ag-108	1.11E+00	1.20E+00	1.08E+00	9.73E-01
Ag-109m	1.46E+00	1.56E+00	1.43E+00	1.31E+00
Cd-109	1.47E+00	1.57E+00	1.43E+00	1.32E+00
In-109	1.15E+00	1.25E+00	1.12E+00	1.02E+00
Pd-109	1.45E+00	1.55E+00	1.42E+00	1.30E+00
Ag-110m	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Ag-110	1.09E+00	1.18E+00	1.06E+00	9.56E-01
In-110b	1.10E+00	1.19E+00	1.06E+00	9.60E-01
In-110a	1.11E+00	1.20E+00	1.08E+00	9.76E-01
Sn-110	1.32E+00	1.42E+00	1.28E+00	1.17E+00
Sn-110+D	1.09E+00	1.16E+00	1.06E+00	9.80E-01
Ag-111	1.15E+00	1.25E+00	1.12E+00	1.01E+00
In-111	1.30E+00	1.41E+00	1.27E+00	1.16E+00
Sn-111	1.12E+00	1.21E+00	1.09E+00	9.85E-01
Sn-111+D	1.13E+00	1.16E+00	1.11E+00	1.07E+00
Ag-112	1.09E+00	1.18E+00	1.06E+00	9.56E-01
In-112	1.26E+00	1.36E+00	1.23E+00	1.12E+00
Cd-113m	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Cd-113	1.20E+00	1.30E+00	1.17E+00	1.06E+00
In-113m	1.25E+00	1.35E+00	1.22E+00	1.11E+00
Sn-113	1.44E+00	1.54E+00	1.40E+00	1.28E+00
Sn-113+D	1.22E+00	1.31E+00	1.19E+00	1.10E+00
In-114m	1.29E+00	1.39E+00	1.26E+00	1.14E+00
In-114	1.12E+00	1.21E+00	1.09E+00	9.85E-01
Ag-115	1.10E+00	1.20E+00	1.07E+00	9.67E-01
Ag-115+D	1.05E+00	1.08E+00	1.04E+00	1.00E+00
Cd-115m	1.04E+00	1.13E+00	1.01E+00	9.15E-01
Cd-115	1.12E+00	1.21E+00	1.09E+00	9.85E-01
Cd-115+D	1.07E+00	1.11E+00	1.06E+00	1.02E+00
In-115m	1.19E+00	1.29E+00	1.16E+00	1.05E+00
In-115	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Sb-115	1.14E+00	1.24E+00	1.11E+00	1.01E+00
In-116m	1.13E+00	1.22E+00	1.09E+00	9.89E-01
Sb-116m	1.07E+00	1.16E+00	1.04E+00	9.41E-01
Sb-116	1.10E+00	1.20E+00	1.07E+00	9.72E-01
Sb-116+D	1.10	1.20	1.07	0.972
Te-116	1.38E+00	1.48E+00	1.34E+00	1.23E+00
Te-116+D	1.10E+00	1.19E+00	1.07E+00	9.73E-01
Cd-117m	1.11E+00	1.20E+00	1.07E+00	9.69E-01
Cd-117m+D	1.04E+00	1.06E+00	1.03E+00	1.00E+00
Cd-117	1.15E+00	1.24E+00	1.11E+00	1.01E+00
Cd-117+D	1.04E+00	1.06E+00	1.03E+00	1.00E+00
In-117m	1.20E+00	1.30E+00	1.17E+00	1.06E+00
In-117m+D	1.11E+00	1.18E+00	1.08E+00	1.00E+00
In-117	1.15E+00	1.24E+00	1.11E+00	1.01E+00
Sb-117	1.33E+00	1.43E+00	1.29E+00	1.18E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Sn-117m	1.32E+00	1.42E+00	1.28E+00	1.17E+00
Sb-118m	1.11E+00	1.20E+00	1.08E+00	9.75E-01
In-119m	1.27E+00	1.36E+00	1.23E+00	1.12E+00
In-119m+D	1.05E+00	1.09E+00	1.03E+00	9.83E-01
In-119	1.10E+00	1.19E+00	1.07E+00	9.66E-01
Sb-119	1.43E+00	1.53E+00	1.39E+00	1.27E+00
Sn-119m	1.43E+00	1.54E+00	1.40E+00	1.28E+00
I-120m	1.07E+00	1.16E+00	1.03E+00	9.35E-01
I-120	1.10E+00	1.20E+00	1.07E+00	9.69E-01
Sb-120b	1.13E+00	1.22E+00	1.10E+00	9.93E-01
Sb-120a	1.24E+00	1.34E+00	1.21E+00	1.10E+00
Xe-120	1.27E+00	1.37E+00	1.23E+00	1.12E+00
Xe-120+D	1.09E+00	1.16E+00	1.06E+00	9.74E-01
I-121	1.14E+00	1.23E+00	1.10E+00	9.98E-01
I-121+D	1.09E+00	1.14E+00	1.08E+00	1.02E+00
Sn-121m	1.40E+00	1.50E+00	1.36E+00	1.24E+00
Sn-121	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Te-121m	1.19E+00	1.28E+00	1.16E+00	1.05E+00
Te-121m+D	1.11E+00	1.17E+00	1.09E+00	1.02E+00
Te-121	1.17E+00	1.26E+00	1.14E+00	1.03E+00
Xe-121	1.15E+00	1.24E+00	1.12E+00	1.01E+00
Xe-121+D	1.05E+00	1.08E+00	1.04E+00	1.01E+00
I-122	1.10E+00	1.20E+00	1.07E+00	9.71E-01
Sb-122	1.10E+00	1.19E+00	1.07E+00	9.63E-01
Xe-122	1.16E+00	1.26E+00	1.13E+00	1.02E+00
Xe-122+D	1.10E+00	1.18E+00	1.07E+00	9.73E-01
I-123	1.30E+00	1.40E+00	1.26E+00	1.15E+00
Sn-123m	1.23E+00	1.33E+00	1.20E+00	1.09E+00
Sn-123	1.04E+00	1.13E+00	1.01E+00	9.14E-01
Te-123m	1.28E+00	1.38E+00	1.24E+00	1.13E+00
Te-123	1.41E+00	1.52E+00	1.38E+00	1.25E+00
Xe-123	1.16E+00	1.25E+00	1.13E+00	1.02E+00
Xe-123+D	1.06E+00	1.07E+00	1.05E+00	1.03E+00
I-124	1.10E+00	1.19E+00	1.07E+00	9.65E-01
Sb-124n	1.44E+00	1.55E+00	1.41E+00	1.29E+00
Sb-124n+D	1.09E+00	1.18E+00	1.06E+00	9.57E-01
Sb-124m	1.10E+00	1.19E+00	1.07E+00	9.63E-01
Sb-124m+D	1.07E+00	1.14E+00	1.05E+00	9.65E-01
Sb-124	1.09E+00	1.18E+00	1.06E+00	9.56E-01
Cs-125	1.11E+00	1.20E+00	1.08E+00	9.76E-01
Cs-125+D	1.06E+00	1.08E+00	1.05E+00	1.02E+00
I-125	1.39E+00	1.50E+00	1.35E+00	1.24E+00
Sb-125	1.11E+00	1.20E+00	1.08E+00	9.72E-01
Sn-125	1.06E+00	1.16E+00	1.03E+00	9.34E-01
Sn-125+D	1.07E+00	1.11E+00	1.05E+00	9.86E-01
Te-125m	1.39E+00	1.49E+00	1.35E+00	1.23E+00
Xe-125	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Xe-125+D	1.05E+00	1.06E+00	1.04E+00	1.03E+00
Ba-126	1.25E+00	1.35E+00	1.22E+00	1.11E+00
Ba-126+D	1.10E+00	1.18E+00	1.07E+00	9.85E-01
Cs-126	1.12E+00	1.21E+00	1.09E+00	9.83E-01
I-126	1.11E+00	1.21E+00	1.08E+00	9.78E-01
Sb-126m	1.09E+00	1.18E+00	1.06E+00	9.57E-01
Sb-126m+D	1.02E+00	1.03E+00	1.01E+00	9.89E-01
Sb-126	1.08E+00	1.17E+00	1.05E+00	9.48E-01
Sn-126	1.29E+00	1.40E+00	1.26E+00	1.14E+00
Sn-126+D	1.09E+00	1.17E+00	1.06E+00	9.57E-01
Cs-127	1.15E+00	1.24E+00	1.12E+00	1.01E+00
Cs-127+D	1.08E+00	1.11E+00	1.07E+00	1.03E+00
Sb-127	1.11E+00	1.20E+00	1.08E+00	9.75E-01
Sn-127	1.20E+00	1.30E+00	1.17E+00	1.06E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Sn-127+D	1.03E+00	1.05E+00	1.02E+00	9.94E-01
Te-127m	1.38E+00	1.48E+00	1.34E+00	1.22E+00
Te-127m+D	1.03E+00	1.05E+00	1.03E+00	9.98E-01
Te-127	1.13E+00	1.23E+00	1.10E+00	9.94E-01
Xe-127	1.23E+00	1.33E+00	1.20E+00	1.08E+00
Ba-128	1.32E+00	1.42E+00	1.28E+00	1.17E+00
Ba-128+D	1.11E+00	1.19E+00	1.08E+00	9.87E-01
Cs-128	1.12E+00	1.22E+00	1.09E+00	9.86E-01
I-128	1.13E+00	1.22E+00	1.09E+00	9.90E-01
Sb-128b	1.11E+00	1.21E+00	1.08E+00	9.78E-01
Sb-128a	1.08E+00	1.17E+00	1.05E+00	9.45E-01
Sn-128	1.17E+00	1.26E+00	1.14E+00	1.03E+00
Sn-128+D	1.06E+00	1.12E+00	1.03E+00	9.59E-01
Cs-129	1.14E+00	1.24E+00	1.11E+00	1.00E+00
I-129	1.36E+00	1.46E+00	1.32E+00	1.21E+00
Sb-129	1.10E+00	1.19E+00	1.06E+00	9.62E-01
Sb-129+D	1.10	1.19	1.06	0.962
Te-129m	1.39E+00	1.49E+00	1.35E+00	1.23E+00
Te-129m+D	1.05E+00	1.09E+00	1.04E+00	9.94E-01
Te-129	1.12E+00	1.22E+00	1.09E+00	9.86E-01
Xe-129m	1.36E+00	1.46E+00	1.32E+00	1.20E+00
Cs-130	1.14E+00	1.24E+00	1.11E+00	1.01E+00
I-130	1.09E+00	1.18E+00	1.06E+00	9.58E-01
Sb-130	1.08E+00	1.17E+00	1.04E+00	9.44E-01
Ba-131m	1.27E+00	1.38E+00	1.24E+00	1.13E+00
Ba-131m+D	1.14E+00	1.22E+00	1.11E+00	1.02E+00
Ba-131	1.16E+00	1.25E+00	1.12E+00	1.02E+00
Ba-131+D	1.02E+00	1.02E+00	1.02E+00	1.01E+00
Cs-131	1.37E+00	1.48E+00	1.33E+00	1.22E+00
I-131	1.13E+00	1.22E+00	1.09E+00	9.89E-01
La-131	1.13E+00	1.23E+00	1.10E+00	9.97E-01
La-131+D	1.06E+00	1.10E+00	1.05E+00	1.01E+00
Sb-131	1.07E+00	1.16E+00	1.04E+00	9.35E-01
Sb-131+D	1.05E+00	1.08E+00	1.04E+00	1.01E+00
Te-131m	1.26E+00	1.36E+00	1.23E+00	1.11E+00
Te-131m+D	1.03E+00	1.05E+00	1.02E+00	1.00E+00
Te-131	1.18E+00	1.28E+00	1.15E+00	1.04E+00
Te-131+D	1.06E+00	1.09E+00	1.04E+00	9.95E-01
Xe-131m	1.37E+00	1.47E+00	1.33E+00	1.21E+00
Cs-132	1.09E+00	1.18E+00	1.06E+00	9.57E-01
I-132m	1.10E+00	1.19E+00	1.07E+00	9.64E-01
I-132m+D	1.11E+00	1.19E+00	1.08E+00	9.91E-01
I-132	1.13E+00	1.22E+00	1.10E+00	9.90E-01
La-132	1.11E+00	1.20E+00	1.07E+00	9.70E-01
Te-132	1.23E+00	1.33E+00	1.20E+00	1.09E+00
Te-132+D	1.11E+00	1.20E+00	1.09E+00	9.91E-01
Ba-133m	1.31E+00	1.41E+00	1.27E+00	1.16E+00
Ba-133m+D	1.14E+00	1.22E+00	1.12E+00	1.03E+00
Ba-133	1.17E+00	1.27E+00	1.14E+00	1.03E+00
I-133	1.11E+00	1.20E+00	1.07E+00	9.72E-01
I-133+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Te-133m	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Te-133m+D	1.02E+00	1.04E+00	1.02E+00	9.94E-01
Te-133	1.04E+00	1.13E+00	1.01E+00	9.14E-01
Te-133+D	1.05E+00	1.08E+00	1.04E+00	9.94E-01
Xe-133m	1.34E+00	1.45E+00	1.31E+00	1.19E+00
Xe-133m+D	1.14E+00	1.18E+00	1.13E+00	1.07E+00
Xe-133	1.31E+00	1.41E+00	1.27E+00	1.15E+00
Ce-134	1.34E+00	1.45E+00	1.30E+00	1.19E+00
Ce-134+D	1.12E+00	1.21E+00	1.09E+00	9.93E-01
Cs-134m	1.33E+00	1.43E+00	1.30E+00	1.18E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Cs-134m+D	1.08E+00	1.16E+00	1.05E+00	9.47E-01
Cs-134	1.08E+00	1.17E+00	1.05E+00	9.46E-01
I-134	1.11E+00	1.20E+00	1.07E+00	9.69E-01
La-134	1.13E+00	1.22E+00	1.10E+00	9.93E-01
Te-134	1.09E+00	1.18E+00	1.06E+00	9.59E-01
Te-134+D	1.08E+00	1.14E+00	1.05E+00	9.77E-01
Ba-135m	1.30E+00	1.41E+00	1.27E+00	1.15E+00
Ce-135	1.16E+00	1.26E+00	1.13E+00	1.02E+00
Cs-135m	1.07E+00	1.16E+00	1.04E+00	9.41E-01
Cs-135	1.20E+00	1.30E+00	1.17E+00	1.06E+00
I-135	1.14E+00	1.24E+00	1.11E+00	1.00E+00
I-135+D	1.02E+00	1.04E+00	1.02E+00	1.00E+00
La-135	1.26E+00	1.36E+00	1.23E+00	1.12E+00
Xe-135m	1.11E+00	1.21E+00	1.08E+00	9.79E-01
Xe-135m+D	1.05E+00	1.08E+00	1.04E+00	1.01E+00
Xe-135	1.16E+00	1.25E+00	1.13E+00	1.02E+00
Cs-136	1.06E+00	1.15E+00	1.03E+00	9.33E-01
Nd-136	1.12E+00	1.21E+00	1.08E+00	9.79E-01
Nd-136+D	1.06E+00	1.13E+00	1.03E+00	9.41E-01
Pr-136	1.06E+00	1.15E+00	1.03E+00	9.33E-01
Ba-137m	1.11E+00	1.20E+00	1.07E+00	9.69E-01
Ce-137m	1.25E+00	1.35E+00	1.22E+00	1.10E+00
Ce-137m+D	1.12E+00	1.14E+00	1.10E+00	1.07E+00
Ce-137	1.33E+00	1.43E+00	1.29E+00	1.18E+00
Cs-137	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Cs-137+D	1.11E+00	1.20E+00	1.07E+00	9.69E-01
La-137	1.35E+00	1.46E+00	1.31E+00	1.20E+00
Pr-137	1.11E+00	1.21E+00	1.08E+00	9.80E-01
Pr-137+D	1.02E+00	1.02E+00	1.02E+00	1.01E+00
Cs-138	1.11E+00	1.21E+00	1.08E+00	9.78E-01
La-138	1.04E+00	1.13E+00	1.02E+00	9.17E-01
Nd-138	1.26E+00	1.36E+00	1.22E+00	1.11E+00
Nd-138+D	1.10E+00	1.19E+00	1.07E+00	9.75E-01
Pr-138m	1.08E+00	1.18E+00	1.05E+00	9.52E-01
Pr-138	1.11E+00	1.20E+00	1.08E+00	9.74E-01
Xe-138	1.13E+00	1.23E+00	1.10E+00	9.93E-01
Xe-138+D	1.07E+00	1.13E+00	1.05E+00	9.85E-01
Ba-139	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Ce-139	1.27E+00	1.37E+00	1.23E+00	1.12E+00
Nd-139m	1.14E+00	1.24E+00	1.11E+00	1.00E+00
Nd-139m+D	1.04E+00	1.05E+00	1.03E+00	1.02E+00
Nd-139	1.09E+00	1.18E+00	1.06E+00	9.57E-01
Nd-139+D	1.10E+00	1.13E+00	1.09E+00	1.05E+00
Pr-139	1.25E+00	1.34E+00	1.21E+00	1.10E+00
Pr-139+D	1.13E+00	1.18E+00	1.12E+00	1.06E+00
Ba-140	1.12E+00	1.22E+00	1.09E+00	9.88E-01
Ba-140+D	1.08E+00	1.16E+00	1.05E+00	9.56E-01
La-140	1.08E+00	1.18E+00	1.05E+00	9.52E-01
Ba-141	1.13E+00	1.23E+00	1.10E+00	9.93E-01
Ba-141+D	1.02E+00	1.03E+00	1.01E+00	1.00E+00
Ce-141	1.23E+00	1.33E+00	1.20E+00	1.08E+00
La-141	1.02E+00	1.10E+00	9.90E-01	8.93E-01
La-141+D	1.14E+00	1.20E+00	1.12E+00	1.05E+00
Nd-141m	1.08E+00	1.17E+00	1.05E+00	9.48E-01
Nd-141m+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Nd-141	1.26E+00	1.36E+00	1.22E+00	1.11E+00
Pm-141	1.10E+00	1.19E+00	1.07E+00	9.67E-01
Pm-141+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Sm-141m	1.12E+00	1.22E+00	1.09E+00	9.87E-01
Sm-141m+D	1.03E+00	1.05E+00	1.02E+00	9.94E-01
Sm-141	1.06E+00	1.15E+00	1.03E+00	9.27E-01

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Sm-141+D	1.04E+00	1.07E+00	1.03E+00	9.92E-01
Ba-142	1.15E+00	1.25E+00	1.12E+00	1.01E+00
Ba-142+D	1.07E+00	1.13E+00	1.05E+00	9.79E-01
La-142	1.11E+00	1.20E+00	1.07E+00	9.70E-01
Pm-142	1.11E+00	1.20E+00	1.08E+00	9.74E-01
Pr-142m	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pr-142m+D	1.00E+00	1.09E+00	9.79E-01	8.83E-01
Pr-142	1.00E+00	1.09E+00	9.79E-01	8.83E-01
Sm-142	1.26E+00	1.36E+00	1.22E+00	1.11E+00
Sm-142+D	1.09E+00	1.18E+00	1.07E+00	9.77E-01
Ce-143	1.15E+00	1.25E+00	1.12E+00	1.02E+00
La-143	1.06E+00	1.15E+00	1.03E+00	9.28E-01
La-143+D	1.11E+00	1.18E+00	1.09E+00	1.01E+00
Pm-143	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Pr-143	1.08E+00	1.17E+00	1.05E+00	9.46E-01
Ce-144	1.22E+00	1.32E+00	1.19E+00	1.07E+00
Ce-144+D	1.00E+00	1.06E+00	9.88E-01	9.27E-01
Pm-144	1.10E+00	1.19E+00	1.07E+00	9.65E-01
Pr-144m	1.31E+00	1.41E+00	1.27E+00	1.15E+00
Pr-144m+D	1.00E+00	1.06E+00	9.85E-01	9.17E-01
Pr-144	1.01E+00	1.09E+00	9.79E-01	8.84E-01
Eu-145	1.10E+00	1.19E+00	1.06E+00	9.62E-01
Eu-145+D	1.02E+00	1.02E+00	1.02E+00	1.01E+00
Gd-145	9.93E-01	1.08E+00	9.69E-01	8.74E-01
Gd-145+D	1.05E+00	1.08E+00	1.03E+00	9.89E-01
Pm-145	1.31E+00	1.42E+00	1.28E+00	1.16E+00
Pr-145	1.08E+00	1.17E+00	1.04E+00	9.43E-01
Sm-145	1.30E+00	1.41E+00	1.27E+00	1.15E+00
Sm-145+D	1.08E+00	1.11E+00	1.08E+00	1.05E+00
Eu-146	1.09E+00	1.18E+00	1.06E+00	9.56E-01
Gd-146	1.24E+00	1.34E+00	1.21E+00	1.09E+00
Gd-146+D	1.08E+00	1.16E+00	1.05E+00	9.60E-01
Pm-146	1.09E+00	1.19E+00	1.06E+00	9.60E-01
Sm-146	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Eu-147	1.08E+00	1.17E+00	1.05E+00	9.50E-01
Gd-147	1.16E+00	1.26E+00	1.13E+00	1.02E+00
Gd-147+D	1.02E+00	1.04E+00	1.01E+00	9.87E-01
Nd-147	1.13E+00	1.22E+00	1.10E+00	9.90E-01
Pm-147	1.24E+00	1.34E+00	1.21E+00	1.09E+00
Pr-147	1.13E+00	1.23E+00	1.10E+00	9.98E-01
Pr-147+D	1.02E+00	1.03E+00	1.01E+00	9.99E-01
Sm-147	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tb-147	1.07E+00	1.16E+00	1.04E+00	9.39E-01
Tb-147+D	1.07E+00	1.12E+00	1.06E+00	1.00E+00
Eu-148	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Gd-148	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pm-148m	1.10E+00	1.19E+00	1.06E+00	9.62E-01
Pm-148	1.05E+00	1.13E+00	1.02E+00	9.18E-01
Eu-149	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Gd-149	1.13E+00	1.22E+00	1.10E+00	9.91E-01
Gd-149+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Nd-149	1.20E+00	1.30E+00	1.17E+00	1.05E+00
Pm-149	1.14E+00	1.23E+00	1.11E+00	1.00E+00
Tb-149	1.08E+00	1.17E+00	1.05E+00	9.45E-01
Tb-149+D	1.04E+00	1.06E+00	1.03E+00	9.97E-01
Eu-150b	1.14E+00	1.24E+00	1.11E+00	1.01E+00
Eu-150a	1.07E+00	1.16E+00	1.04E+00	9.38E-01
Pm-150	1.14E+00	1.24E+00	1.11E+00	1.00E+00
Tb-150	1.09E+00	1.18E+00	1.05E+00	9.51E-01
Gd-151	1.21E+00	1.31E+00	1.18E+00	1.07E+00
Nd-151	1.20E+00	1.30E+00	1.17E+00	1.06E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Nd-151+D	1.05E+00	1.07E+00	1.05E+00	1.02E+00
Pm-151	1.23E+00	1.33E+00	1.20E+00	1.08E+00
Sm-151	1.49E+00	1.58E+00	1.45E+00	1.34E+00
Tb-151	1.13E+00	1.22E+00	1.10E+00	9.91E-01
Tb-151+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00
Eu-152m	1.16E+00	1.26E+00	1.13E+00	1.02E+00
Eu-152	1.18E+00	1.28E+00	1.15E+00	1.04E+00
Gd-152	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Gd-153	1.24E+00	1.35E+00	1.21E+00	1.10E+00
Sm-153	1.23E+00	1.33E+00	1.20E+00	1.08E+00
Tb-153	1.21E+00	1.31E+00	1.18E+00	1.06E+00
Tb-153+D	1.07E+00	1.09E+00	1.06E+00	1.03E+00
Eu-154	1.22E+00	1.32E+00	1.19E+00	1.07E+00
Tb-154	1.13E+00	1.22E+00	1.09E+00	9.90E-01
Dy-155	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Dy-155+D	1.04E+00	1.05E+00	1.03E+00	1.01E+00
Eu-155	1.23E+00	1.33E+00	1.20E+00	1.08E+00
Ho-155	1.20E+00	1.30E+00	1.17E+00	1.05E+00
Ho-155+D	1.11E+00	1.17E+00	1.09E+00	1.03E+00
Sm-155	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Sm-155+D	1.08E+00	1.10E+00	1.07E+00	1.03E+00
Tb-155	1.22E+00	1.32E+00	1.19E+00	1.08E+00
Eu-156	1.14E+00	1.24E+00	1.11E+00	1.00E+00
Sm-156	1.20E+00	1.29E+00	1.16E+00	1.05E+00
Sm-156+D	1.12E+00	1.21E+00	1.10E+00	1.00E+00
Tb-156m	1.28E+00	1.38E+00	1.24E+00	1.13E+00
Tb-156m+D	1.11E+00	1.20E+00	1.08E+00	9.76E-01
Tb-156n	1.27E+00	1.37E+00	1.24E+00	1.12E+00
Tb-156n+D	1.11E+00	1.20E+00	1.08E+00	9.76E-01
Tb-156	1.11E+00	1.21E+00	1.08E+00	9.76E-01
Dy-157	1.15E+00	1.25E+00	1.12E+00	1.01E+00
Eu-157	1.13E+00	1.23E+00	1.10E+00	9.95E-01
Ho-157	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Ho-157+D	1.06E+00	1.09E+00	1.05E+00	1.00E+00
Tb-157	1.29E+00	1.39E+00	1.26E+00	1.14E+00
Eu-158	1.06E+00	1.15E+00	1.03E+00	9.33E-01
Tb-158	1.06E+00	1.15E+00	1.03E+00	9.31E-01
Dy-159	1.29E+00	1.39E+00	1.25E+00	1.13E+00
Gd-159	1.14E+00	1.24E+00	1.11E+00	1.00E+00
Ho-159	1.20E+00	1.30E+00	1.17E+00	1.05E+00
Ho-159+D	1.03E+00	1.04E+00	1.03E+00	1.01E+00
Tb-160	1.07E+00	1.16E+00	1.04E+00	9.40E-01
Er-161	1.24E+00	1.34E+00	1.20E+00	1.09E+00
Er-161+D	1.02E+00	1.02E+00	1.01E+00	1.01E+00
Ho-161	1.29E+00	1.39E+00	1.25E+00	1.14E+00
Tb-161	1.28E+00	1.38E+00	1.24E+00	1.13E+00
Ho-162m	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Ho-162m+D	1.01E+00	1.02E+00	1.01E+00	9.96E-01
Ho-162	1.11E+00	1.20E+00	1.08E+00	9.75E-01
Tm-162	1.11E+00	1.21E+00	1.08E+00	9.76E-01
Yb-162	1.22E+00	1.32E+00	1.19E+00	1.08E+00
Yb-162+D	1.10E+00	1.19E+00	1.07E+00	9.78E-01
Ho-164m	1.28E+00	1.38E+00	1.24E+00	1.13E+00
Ho-164m+D	1.09E+00	1.12E+00	1.08E+00	1.04E+00
Ho-164	1.26E+00	1.36E+00	1.22E+00	1.11E+00
Dy-165	1.23E+00	1.33E+00	1.20E+00	1.08E+00
Er-165	1.28E+00	1.38E+00	1.24E+00	1.13E+00
Dy-166	1.25E+00	1.35E+00	1.21E+00	1.10E+00
Dy-166+D	1.06E+00	1.09E+00	1.05E+00	1.01E+00
Ho-166m	1.15E+00	1.25E+00	1.12E+00	1.01E+00
Ho-166	1.15E+00	1.25E+00	1.12E+00	1.01E+00



Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Tm-166	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Yb-166	1.27E+00	1.36E+00	1.23E+00	1.11E+00
Yb-166+D	1.16E+00	1.25E+00	1.13E+00	1.03E+00
Ho-167	1.14E+00	1.24E+00	1.11E+00	1.00E+00
Tm-167	1.21E+00	1.30E+00	1.17E+00	1.06E+00
Yb-167	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Yb-167+D	1.07E+00	1.09E+00	1.06E+00	1.02E+00
Er-169	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Lu-169	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Lu-169+D	1.04E+00	1.06E+00	1.03E+00	1.01E+00
Yb-169	1.19E+00	1.29E+00	1.16E+00	1.04E+00
Hf-170	1.25E+00	1.35E+00	1.22E+00	1.11E+00
Hf-170+D	1.18E+00	1.25E+00	1.16E+00	1.07E+00
Lu-170	1.24E+00	1.33E+00	1.20E+00	1.09E+00
Tm-170	1.24E+00	1.34E+00	1.21E+00	1.09E+00
Er-171	1.15E+00	1.25E+00	1.12E+00	1.01E+00
Lu-171	1.25E+00	1.35E+00	1.22E+00	1.11E+00
Tm-171	1.27E+00	1.36E+00	1.23E+00	1.12E+00
Er-172	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Er-172+D	1.06E+00	1.09E+00	1.05E+00	1.00E+00
Hf-172	1.25E+00	1.35E+00	1.22E+00	1.11E+00
Hf-172+D	1.17E+00	1.26E+00	1.14E+00	1.04E+00
Lu-172	1.18E+00	1.28E+00	1.15E+00	1.04E+00
Ta-172	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Ta-172+D	1.10E+00	1.14E+00	1.08E+00	1.03E+00
Tm-172	1.14E+00	1.24E+00	1.11E+00	1.00E+00
Hf-173	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Hf-173+D	1.03E+00	1.05E+00	1.03E+00	1.01E+00
Lu-173	1.16E+00	1.26E+00	1.13E+00	1.02E+00
Ta-173	1.21E+00	1.31E+00	1.18E+00	1.07E+00
Ta-173+D	1.07E+00	1.11E+00	1.06E+00	1.01E+00
Tm-173	1.13E+00	1.23E+00	1.10E+00	9.94E-01
Lu-174m	1.25E+00	1.35E+00	1.22E+00	1.11E+00
Lu-174m+D	1.12E+00	1.17E+00	1.10E+00	1.03E+00
Lu-174	1.20E+00	1.29E+00	1.16E+00	1.05E+00
Ta-174	1.08E+00	1.17E+00	1.05E+00	9.51E-01
Hf-175	1.15E+00	1.25E+00	1.12E+00	1.01E+00
Ta-175	1.22E+00	1.31E+00	1.18E+00	1.07E+00
Ta-175+D	1.04E+00	1.06E+00	1.03E+00	1.00E+00
Tm-175	1.13E+00	1.22E+00	1.10E+00	9.91E-01
Yb-175	1.15E+00	1.24E+00	1.11E+00	1.01E+00
Lu-176m	1.25E+00	1.34E+00	1.22E+00	1.11E+00
Lu-176	1.17E+00	1.26E+00	1.14E+00	1.03E+00
Ta-176	1.23E+00	1.33E+00	1.20E+00	1.09E+00
W-176	1.23E+00	1.33E+00	1.20E+00	1.09E+00
W-176+D	1.21E+00	1.29E+00	1.18E+00	1.09E+00
Hf-177m	1.18E+00	1.28E+00	1.15E+00	1.04E+00
Lu-177m	1.23E+00	1.33E+00	1.20E+00	1.09E+00
Lu-177	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Re-177	1.13E+00	1.22E+00	1.09E+00	9.90E-01
Re-177+D	1.12E+00	1.17E+00	1.10E+00	1.04E+00
Ta-177	1.24E+00	1.33E+00	1.20E+00	1.09E+00
W-177	1.20E+00	1.30E+00	1.17E+00	1.06E+00
W-177+D	1.01E+00	1.02E+00	1.01E+00	1.01E+00
Yb-177	1.11E+00	1.21E+00	1.08E+00	9.78E-01
Yb-177+D	1.03E+00	1.04E+00	1.02E+00	1.01E+00
Hf-178m	1.12E+00	1.21E+00	1.09E+00	9.83E-01
Lu-178m	1.15E+00	1.25E+00	1.12E+00	1.01E+00
Lu-178	1.03E+00	1.12E+00	1.00E+00	9.04E-01
Re-178	1.10E+00	1.19E+00	1.06E+00	9.63E-01
Re-178+D	1.02E+00	1.02E+00	1.01E+00	1.01E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ta-178b	1.16E+00	1.25E+00	1.12E+00	1.02E+00
Ta-178a	1.17E+00	1.26E+00	1.14E+00	1.03E+00
W-178	1.32E+00	1.38E+00	1.30E+00	1.23E+00
W-178+D	1.15E+00	1.22E+00	1.12E+00	1.03E+00
Yb-178	1.14E+00	1.24E+00	1.11E+00	1.00E+00
Yb-178+D	1.02E+00	1.09E+00	1.00E+00	9.24E-01
Hf-179m	1.13E+00	1.23E+00	1.10E+00	9.97E-01
Lu-179	1.15E+00	1.25E+00	1.12E+00	1.02E+00
Ta-179	1.28E+00	1.37E+00	1.25E+00	1.16E+00
W-179	1.32E+00	1.41E+00	1.28E+00	1.17E+00
W-179+D	1.08E+00	1.10E+00	1.07E+00	1.05E+00
Hf-180m	1.15E+00	1.24E+00	1.11E+00	1.01E+00
Os-180	1.35E+00	1.43E+00	1.32E+00	1.23E+00
Os-180+D	1.07E+00	1.15E+00	1.04E+00	9.44E-01
Re-180	1.07E+00	1.16E+00	1.04E+00	9.40E-01
Ta-180m	1.25E+00	1.35E+00	1.21E+00	1.10E+00
Ta-180	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Hf-181	1.13E+00	1.22E+00	1.10E+00	9.93E-01
Os-181	1.18E+00	1.28E+00	1.15E+00	1.04E+00
Os-181+D	1.09E+00	1.12E+00	1.08E+00	1.04E+00
Re-181	1.25E+00	1.34E+00	1.21E+00	1.10E+00
Re-181+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
W-181	1.28E+00	1.37E+00	1.25E+00	1.15E+00
Hf-182m	1.24E+00	1.34E+00	1.20E+00	1.09E+00
Hf-182	1.16E+00	1.26E+00	1.13E+00	1.02E+00
Hf-182+D	1.16E+00	1.24E+00	1.13E+00	1.04E+00
Ir-182	1.20E+00	1.30E+00	1.18E+00	1.07E+00
Ir-182+D	1.11E+00	1.15E+00	1.09E+00	1.04E+00
Os-182	1.26E+00	1.35E+00	1.23E+00	1.14E+00
Os-182+D	1.14E+00	1.20E+00	1.12E+00	1.04E+00
Re-182b	1.23E+00	1.33E+00	1.20E+00	1.09E+00
Re-182a	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Ta-182m	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Ta-182m+D	1.16E+00	1.23E+00	1.13E+00	1.04E+00
Ta-182	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Hf-183	1.08E+00	1.17E+00	1.05E+00	9.49E-01
Hf-183+D	1.06E+00	1.08E+00	1.05E+00	1.02E+00
Ta-183	1.21E+00	1.31E+00	1.18E+00	1.07E+00
Hf-184	1.18E+00	1.28E+00	1.15E+00	1.04E+00
Hf-184+D	1.14E+00	1.22E+00	1.12E+00	1.03E+00
Ir-184	1.24E+00	1.33E+00	1.21E+00	1.11E+00
Re-184m	1.27E+00	1.36E+00	1.23E+00	1.12E+00
Re-184m+D	1.08E+00	1.13E+00	1.07E+00	1.00E+00
Re-184	1.15E+00	1.24E+00	1.11E+00	1.01E+00
Ta-184	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Ir-185	1.27E+00	1.36E+00	1.24E+00	1.14E+00
Ir-185+D	1.05E+00	1.09E+00	1.03E+00	9.78E-01
Os-185	1.09E+00	1.18E+00	1.06E+00	9.59E-01
Ta-185	1.19E+00	1.29E+00	1.16E+00	1.05E+00
W-185	1.24E+00	1.33E+00	1.22E+00	1.11E+00
Ir-186a	1.24E+00	1.33E+00	1.21E+00	1.11E+00
Ir-186b	1.10E+00	1.20E+00	1.07E+00	9.72E-01
Pt-186	1.13E+00	1.22E+00	1.10E+00	9.98E-01
Pt-186+D	1.06E+00	1.10E+00	1.04E+00	9.84E-01
Re-186m	1.36E+00	1.39E+00	1.35E+00	1.32E+00
Re-186m+D	1.14E+00	1.18E+00	1.12E+00	1.07E+00
Re-186	1.27E+00	1.36E+00	1.24E+00	1.14E+00
Ta-186	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Ir-187	1.28E+00	1.36E+00	1.26E+00	1.17E+00
Re-187	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W-187	1.23E+00	1.33E+00	1.20E+00	1.09E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ir-188	1.17E+00	1.26E+00	1.14E+00	1.03E+00
Pt-188	1.21E+00	1.30E+00	1.17E+00	1.07E+00
Pt-188+D	1.14E+00	1.22E+00	1.12E+00	1.03E+00
Re-188m	1.27E+00	1.35E+00	1.24E+00	1.14E+00
Re-188m+D	1.06E+00	1.09E+00	1.05E+00	1.01E+00
Re-188	1.16E+00	1.25E+00	1.12E+00	1.02E+00
W-188	1.16E+00	1.26E+00	1.14E+00	1.03E+00
W-188+D	1.15E+00	1.24E+00	1.12E+00	1.02E+00
Ir-189	1.27E+00	1.36E+00	1.24E+00	1.14E+00
Os-189m	1.40E+00	1.40E+00	1.41E+00	1.41E+00
Pt-189	1.25E+00	1.34E+00	1.23E+00	1.12E+00
Pt-189+D	1.04E+00	1.06E+00	1.04E+00	1.02E+00
Re-189	1.19E+00	1.28E+00	1.16E+00	1.05E+00
Ir-190n	1.28E+00	1.37E+00	1.25E+00	1.15E+00
Ir-190m	1.42E+00	1.42E+00	1.42E+00	1.42E+00
Ir-190m+D	1.20E+00	1.30E+00	1.17E+00	1.07E+00
Ir-190	1.21E+00	1.30E+00	1.17E+00	1.07E+00
Os-190m	1.12E+00	1.21E+00	1.09E+00	9.86E-01
Ir-191m	1.25E+00	1.34E+00	1.22E+00	1.12E+00
Os-191m	1.35E+00	1.39E+00	1.34E+00	1.29E+00
Os-191m+D	1.22E+00	1.30E+00	1.20E+00	1.11E+00
Os-191	1.25E+00	1.34E+00	1.22E+00	1.12E+00
Pt-191	1.25E+00	1.34E+00	1.22E+00	1.11E+00
Ir-192m	1.20E+00	1.29E+00	1.16E+00	1.05E+00
Ir-192m+D	1.23E+00	1.30E+00	1.21E+00	1.13E+00
Ir-192	1.29E+00	1.37E+00	1.26E+00	1.16E+00
Au-193	1.26E+00	1.35E+00	1.23E+00	1.13E+00
Hg-193m	1.33E+00	1.40E+00	1.30E+00	1.22E+00
Hg-193m+D	1.03E+00	1.04E+00	1.03E+00	1.02E+00
Hg-193	1.24E+00	1.33E+00	1.22E+00	1.12E+00
Hg-193+D	1.10E+00	1.13E+00	1.09E+00	1.05E+00
Os-193	1.23E+00	1.32E+00	1.20E+00	1.10E+00
Pt-193m	1.36E+00	1.41E+00	1.34E+00	1.28E+00
Pt-193	1.44E+00	1.45E+00	1.44E+00	1.43E+00
Au-194	1.28E+00	1.36E+00	1.25E+00	1.15E+00
Hg-194	1.47E+00	1.48E+00	1.46E+00	1.44E+00
Hg-194+D	1.28E+00	1.36E+00	1.25E+00	1.15E+00
Ir-194m	1.11E+00	1.20E+00	1.08E+00	9.72E-01
Ir-194	1.14E+00	1.24E+00	1.11E+00	1.01E+00
Os-194	1.42E+00	1.44E+00	1.41E+00	1.38E+00
Os-194+D	1.14E+00	1.24E+00	1.11E+00	1.01E+00
Tl-194m	1.21E+00	1.30E+00	1.18E+00	1.07E+00
Tl-194	1.12E+00	1.21E+00	1.09E+00	9.88E-01
Au-195m	1.18E+00	1.28E+00	1.15E+00	1.05E+00
Au-195m+D	1.08E+00	1.09E+00	1.07E+00	1.05E+00
Au-195	1.30E+00	1.37E+00	1.27E+00	1.19E+00
Hg-195m	1.48E+00	1.51E+00	1.47E+00	1.43E+00
Hg-195m+D	1.11E+00	1.14E+00	1.10E+00	1.07E+00
Hg-195	1.28E+00	1.36E+00	1.25E+00	1.16E+00
Hg-195+D	1.07E+00	1.09E+00	1.07E+00	1.05E+00
Ir-195m	1.46E+00	1.48E+00	1.45E+00	1.42E+00
Ir-195	1.28E+00	1.36E+00	1.25E+00	1.16E+00
Pb-195m	1.15E+00	1.24E+00	1.12E+00	1.02E+00
Pb-195m+D	1.12E+00	1.15E+00	1.11E+00	1.07E+00
Pt-195m	1.28E+00	1.37E+00	1.26E+00	1.16E+00
Tl-195	1.26E+00	1.34E+00	1.23E+00	1.13E+00
Tl-195+D	1.04E+00	1.05E+00	1.04E+00	1.03E+00
Hg-197m	1.35E+00	1.42E+00	1.33E+00	1.25E+00
Hg-197m+D	1.11E+00	1.13E+00	1.10E+00	1.08E+00
Hg-197	1.32E+00	1.39E+00	1.30E+00	1.22E+00
Pt-197m	1.30E+00	1.38E+00	1.27E+00	1.17E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Pt-197m+D	1.06E+00	1.06E+00	1.05E+00	1.04E+00
Pt-197	1.32E+00	1.38E+00	1.30E+00	1.22E+00
Tl-197	1.23E+00	1.32E+00	1.20E+00	1.10E+00
Tl-197+D	1.04E+00	1.04E+00	1.04E+00	1.03E+00
Au-198m	1.19E+00	1.29E+00	1.16E+00	1.05E+00
Au-198m+D	1.05E+00	1.08E+00	1.04E+00	9.96E-01
Au-198	1.13E+00	1.22E+00	1.10E+00	9.91E-01
Pb-198	1.23E+00	1.32E+00	1.20E+00	1.10E+00
Pb-198+D	1.21E+00	1.27E+00	1.19E+00	1.12E+00
Tl-198m	1.41E+00	1.46E+00	1.39E+00	1.33E+00
Tl-198m+D	1.10E+00	1.12E+00	1.09E+00	1.05E+00
Tl-198	1.27E+00	1.35E+00	1.25E+00	1.15E+00
Au-199	1.21E+00	1.31E+00	1.18E+00	1.08E+00
Hg-199m	1.23E+00	1.31E+00	1.20E+00	1.10E+00
Pb-199	1.30E+00	1.38E+00	1.28E+00	1.19E+00
Pb-199+D	1.03E+00	1.03E+00	1.02E+00	1.01E+00
Pt-199	1.20E+00	1.30E+00	1.17E+00	1.07E+00
Pt-199+D	1.06E+00	1.08E+00	1.05E+00	1.02E+00
Tl-199	1.22E+00	1.31E+00	1.19E+00	1.08E+00
Au-200m	1.39E+00	1.44E+00	1.37E+00	1.30E+00
Au-200	1.14E+00	1.23E+00	1.11E+00	1.00E+00
Bi-200	1.20E+00	1.29E+00	1.17E+00	1.07E+00
Bi-200+D	1.09E+00	1.12E+00	1.09E+00	1.06E+00
Pb-200	1.24E+00	1.33E+00	1.21E+00	1.11E+00
Pb-200+D	1.24E+00	1.30E+00	1.21E+00	1.14E+00
Pt-200	1.27E+00	1.36E+00	1.24E+00	1.15E+00
Pt-200+D	1.11E+00	1.18E+00	1.08E+00	1.00E+00
Tl-200	1.28E+00	1.36E+00	1.25E+00	1.16E+00
Au-201	1.16E+00	1.25E+00	1.13E+00	1.02E+00
Bi-201	1.09E+00	1.18E+00	1.06E+00	9.64E-01
Bi-201+D	1.11E+00	1.13E+00	1.10E+00	1.08E+00
Pb-201	1.31E+00	1.38E+00	1.28E+00	1.20E+00
Pb-201+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Tl-201	1.25E+00	1.34E+00	1.22E+00	1.12E+00
Bi-202	1.28E+00	1.36E+00	1.25E+00	1.16E+00
Pb-202m	1.48E+00	1.51E+00	1.46E+00	1.41E+00
Pb-202	1.43E+00	1.43E+00	1.43E+00	1.42E+00
Pb-202+D	1.16E+00	1.26E+00	1.13E+00	1.03E+00
Tl-202	1.17E+00	1.26E+00	1.13E+00	1.03E+00
Bi-203	1.28E+00	1.36E+00	1.25E+00	1.16E+00
Bi-203+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Hg-203	1.16E+00	1.26E+00	1.14E+00	1.03E+00
Pb-203	1.20E+00	1.29E+00	1.17E+00	1.07E+00
Po-203	1.24E+00	1.32E+00	1.21E+00	1.11E+00
Po-203+D	1.15E+00	1.20E+00	1.14E+00	1.09E+00
Tl-204	1.32E+00	1.39E+00	1.29E+00	1.21E+00
Bi-205	1.32E+00	1.39E+00	1.29E+00	1.21E+00
Pb-205	1.43E+00	1.44E+00	1.43E+00	1.42E+00
Po-205	1.29E+00	1.38E+00	1.27E+00	1.17E+00
Po-205+D	1.14E+00	1.17E+00	1.13E+00	1.10E+00
Bi-206	1.25E+00	1.34E+00	1.22E+00	1.12E+00
Tl-206	1.25E+00	1.33E+00	1.22E+00	1.13E+00
At-207	1.24E+00	1.32E+00	1.21E+00	1.11E+00
At-207+D	1.14E+00	1.17E+00	1.13E+00	1.09E+00
Bi-207	1.08E+00	1.17E+00	1.05E+00	9.54E-01
Po-207	1.30E+00	1.38E+00	1.27E+00	1.19E+00
Tl-207	1.06E+00	1.15E+00	1.03E+00	9.32E-01
Tl-208	1.11E+00	1.20E+00	1.07E+00	9.70E-01
Pb-209	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Tl-209	1.08E+00	1.18E+00	1.05E+00	9.54E-01
Bi-210m	1.16E+00	1.25E+00	1.13E+00	1.02E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Bi-210	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Pb-210	1.48E+00	1.51E+00	1.46E+00	1.42E+00
Pb-210+D	1.04E+00	1.07E+00	1.04E+00	1.01E+00
Po-210	1.07E+00	1.16E+00	1.04E+00	9.39E-01
At-211	1.52E+00	1.55E+00	1.50E+00	1.45E+00
At-211+D	1.01E+00	1.01E+00	1.00E+00	9.96E-01
Bi-211	1.15E+00	1.25E+00	1.12E+00	1.01E+00
Bi-211+D	1.00E+00	1.01E+00	1.00E+00	9.95E-01
Pb-211	1.13E+00	1.23E+00	1.10E+00	9.95E-01
Pb-211+D	1.07E+00	1.11E+00	1.05E+00	1.00E+00
Po-211	1.08E+00	1.17E+00	1.05E+00	9.47E-01
Bi-212	1.46E+00	1.50E+00	1.44E+00	1.37E+00
Bi-212+D	1.09E+00	1.16E+00	1.06E+00	9.76E-01
Pb-212	1.19E+00	1.28E+00	1.16E+00	1.05E+00
Pb-212+D	1.14E+00	1.21E+00	1.11E+00	1.02E+00
Po-212	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Bi-213	1.51E+00	1.55E+00	1.50E+00	1.45E+00
Bi-213+D	1.01E+00	1.03E+00	1.01E+00	9.92E-01
Po-213	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Po-213+D	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Bi-214	1.22E+00	1.30E+00	1.19E+00	1.09E+00
Pb-214	1.22E+00	1.31E+00	1.19E+00	1.09E+00
Pb-214+D	1.18E+00	1.25E+00	1.16E+00	1.07E+00
Po-214	1.07E+00	1.16E+00	1.04E+00	9.40E-01
Po-214+D	1.39E+00	1.44E+00	1.37E+00	1.30E+00
At-215	1.13E+00	1.23E+00	1.10E+00	9.94E-01
At-215+D	1.14E+00	1.24E+00	1.11E+00	1.01E+00
Po-215	1.12E+00	1.22E+00	1.09E+00	9.87E-01
Po-215+D	1.14E+00	1.23E+00	1.11E+00	1.00E+00
At-216	1.29E+00	1.38E+00	1.26E+00	1.17E+00
At-216+D	1.16E+00	1.24E+00	1.12E+00	1.03E+00
Po-216	1.07E+00	1.16E+00	1.04E+00	9.39E-01
Po-216+D	1.16E+00	1.25E+00	1.13E+00	1.03E+00
At-217	1.13E+00	1.22E+00	1.09E+00	9.92E-01
At-217+D	1.41E+00	1.46E+00	1.39E+00	1.33E+00
At-218	1.47E+00	1.51E+00	1.46E+00	1.41E+00
At-218+D	1.21E+00	1.30E+00	1.19E+00	1.09E+00
Po-218	1.07E+00	1.16E+00	1.04E+00	9.36E-01
Po-218+D	1.22E+00	1.31E+00	1.19E+00	1.09E+00
Rn-218	1.10E+00	1.19E+00	1.06E+00	9.62E-01
Rn-218+D	1.32E+00	1.36E+00	1.30E+00	1.25E+00
Fr-219	1.14E+00	1.23E+00	1.11E+00	1.00E+00
Fr-219+D	1.13E+00	1.22E+00	1.11E+00	1.01E+00
Rn-219	1.16E+00	1.26E+00	1.14E+00	1.03E+00
Rn-219+D	1.08E+00	1.14E+00	1.07E+00	1.00E+00
Fr-220	1.36E+00	1.43E+00	1.34E+00	1.26E+00
Fr-220+D	1.16E+00	1.24E+00	1.12E+00	1.03E+00
Rn-220	1.11E+00	1.20E+00	1.07E+00	9.70E-01
Rn-220+D	1.16E+00	1.25E+00	1.13E+00	1.03E+00
Fr-221	1.18E+00	1.28E+00	1.15E+00	1.04E+00
Fr-221+D	1.34E+00	1.38E+00	1.33E+00	1.28E+00
Fr-222	1.20E+00	1.30E+00	1.17E+00	1.06E+00
Fr-222+D	1.16E+00	1.22E+00	1.14E+00	1.07E+00
Ra-222	1.15E+00	1.25E+00	1.12E+00	1.01E+00
Ra-222+D	1.10E+00	1.11E+00	1.10E+00	1.08E+00
Rn-222	1.11E+00	1.21E+00	1.08E+00	9.76E-01
Rn-222+D	1.22E+00	1.31E+00	1.19E+00	1.09E+00
Ac-223	1.44E+00	1.49E+00	1.42E+00	1.36E+00
Ac-223+D	1.13E+00	1.21E+00	1.10E+00	1.01E+00
Fr-223	1.32E+00	1.41E+00	1.28E+00	1.18E+00
Fr-223+D	1.18E+00	1.24E+00	1.15E+00	1.07E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ra-223	1.31E+00	1.40E+00	1.29E+00	1.19E+00
Ra-223+D	1.07E+00	1.11E+00	1.06E+00	1.01E+00
Ac-224	1.52E+00	1.57E+00	1.50E+00	1.44E+00
Ac-224+D	1.13E+00	1.20E+00	1.11E+00	1.02E+00
Ra-224	1.18E+00	1.28E+00	1.15E+00	1.04E+00
Ra-224+D	1.16E+00	1.24E+00	1.13E+00	1.03E+00
Ac-225	1.41E+00	1.48E+00	1.39E+00	1.31E+00
Ac-225+D	1.34E+00	1.39E+00	1.32E+00	1.26E+00
Ra-225	1.38E+00	1.46E+00	1.34E+00	1.24E+00
Ra-225+D	1.35E+00	1.40E+00	1.33E+00	1.27E+00
Ac-226	1.52E+00	1.58E+00	1.50E+00	1.42E+00
Ac-226+D	1.01E+00	1.02E+00	1.01E+00	1.01E+00
Ra-226	1.21E+00	1.31E+00	1.18E+00	1.07E+00
Ra-226+D	1.21E+00	1.30E+00	1.19E+00	1.09E+00
Th-226	1.29E+00	1.37E+00	1.26E+00	1.17E+00
Th-226+D	1.12E+00	1.16E+00	1.11E+00	1.05E+00
Ac-227	1.52E+00	1.58E+00	1.50E+00	1.43E+00
Ac-227+D	1.26E+00	1.35E+00	1.23E+00	1.13E+00
Pa-227	1.52E+00	1.58E+00	1.50E+00	1.42E+00
Pa-227+D	1.17E+00	1.24E+00	1.15E+00	1.07E+00
Ra-227	1.40E+00	1.48E+00	1.36E+00	1.26E+00
Ra-227+D	1.16E+00	1.21E+00	1.15E+00	1.08E+00
Th-227	1.35E+00	1.44E+00	1.32E+00	1.23E+00
Th-227+D	1.15E+00	1.20E+00	1.13E+00	1.06E+00
Ac-228	1.38E+00	1.45E+00	1.35E+00	1.26E+00
Ac-228+D	1.08E+00	1.13E+00	1.07E+00	1.02E+00
Pa-228	1.52E+00	1.58E+00	1.49E+00	1.42E+00
Pa-228+D	1.07E+00	1.11E+00	1.06E+00	1.01E+00
Ra-228	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228+D	1.25E+00	1.33E+00	1.22E+00	1.12E+00
Th-228	1.44E+00	1.50E+00	1.41E+00	1.34E+00
Th-228+D	1.16E+00	1.25E+00	1.13E+00	1.03E+00
Th-229	1.32E+00	1.40E+00	1.29E+00	1.19E+00
Th-229+D	1.26E+00	1.29E+00	1.24E+00	1.20E+00
Pa-230	1.51E+00	1.58E+00	1.49E+00	1.41E+00
Th-230	1.50E+00	1.55E+00	1.49E+00	1.42E+00
U-230	1.46E+00	1.53E+00	1.44E+00	1.37E+00
U-230+D	1.21E+00	1.29E+00	1.19E+00	1.10E+00
Pa-231	1.46E+00	1.54E+00	1.43E+00	1.34E+00
Th-231	1.43E+00	1.51E+00	1.40E+00	1.30E+00
U-231	1.32E+00	1.42E+00	1.29E+00	1.19E+00
Np-232	1.19E+00	1.28E+00	1.16E+00	1.05E+00
Pa-232	1.30E+00	1.39E+00	1.27E+00	1.18E+00
Th-232	1.51E+00	1.56E+00	1.49E+00	1.43E+00
U-232	1.51E+00	1.56E+00	1.49E+00	1.42E+00
U-232+D	1.16E+00	1.25E+00	1.13E+00	1.03E+00
Np-233	1.28E+00	1.38E+00	1.26E+00	1.15E+00
Pa-233	1.28E+00	1.38E+00	1.26E+00	1.15E+00
U-233	1.51E+00	1.56E+00	1.49E+00	1.42E+00
Np-234	1.35E+00	1.44E+00	1.33E+00	1.23E+00
Pa-234m	1.51E+00	1.58E+00	1.49E+00	1.40E+00
Pa-234m+D	1.03E+00	1.04E+00	1.03E+00	1.02E+00
Pa-234	1.31E+00	1.40E+00	1.28E+00	1.18E+00
Pu-234	1.50E+00	1.58E+00	1.48E+00	1.39E+00
Pu-234+D	1.33E+00	1.41E+00	1.31E+00	1.22E+00
Th-234	1.31E+00	1.40E+00	1.28E+00	1.17E+00
Th-234+D	1.30E+00	1.34E+00	1.29E+00	1.23E+00
U-234	1.51E+00	1.57E+00	1.49E+00	1.42E+00
Np-235	1.52E+00	1.58E+00	1.50E+00	1.42E+00
Pu-235	1.31E+00	1.40E+00	1.28E+00	1.18E+00
Pu-235+D	1.31	1.40	1.28	1.18

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
U-235	1.33E+00	1.41E+00	1.30E+00	1.20E+00
U-235+D	1.04E+00	1.04E+00	1.03E+00	1.03E+00
Np-236a	1.51E+00	1.58E+00	1.48E+00	1.39E+00
Np-236b	1.50E+00	1.58E+00	1.48E+00	1.39E+00
Pu-236	1.51E+00	1.58E+00	1.49E+00	1.41E+00
U-236	1.51E+00	1.57E+00	1.49E+00	1.43E+00
Am-237	1.26E+00	1.36E+00	1.23E+00	1.12E+00
Am-237+D	1.05E+00	1.05E+00	1.05E+00	1.04E+00
Np-237	1.38E+00	1.46E+00	1.35E+00	1.25E+00
Np-237+D	1.24E+00	1.31E+00	1.21E+00	1.13E+00
Pu-237	1.50E+00	1.58E+00	1.48E+00	1.38E+00
U-237	1.29E+00	1.39E+00	1.26E+00	1.15E+00
Am-238	1.29E+00	1.39E+00	1.27E+00	1.16E+00
Cm-238	1.32E+00	1.41E+00	1.29E+00	1.19E+00
Cm-238+D	1.28E+00	1.36E+00	1.25E+00	1.16E+00
Np-238	1.49E+00	1.56E+00	1.47E+00	1.38E+00
Pu-238	1.51E+00	1.58E+00	1.49E+00	1.41E+00
U-238	1.51E+00	1.57E+00	1.50E+00	1.43E+00
U-238+D	1.40E+00	1.48E+00	1.38E+00	1.28E+00
Am-239	1.50E+00	1.58E+00	1.47E+00	1.38E+00
Np-239	1.26E+00	1.36E+00	1.23E+00	1.12E+00
Pu-239	1.51E+00	1.57E+00	1.49E+00	1.41E+00
U-239	1.31E+00	1.40E+00	1.27E+00	1.16E+00
U-239+D	1.18E+00	1.25E+00	1.16E+00	1.09E+00
Am-240	1.36E+00	1.45E+00	1.33E+00	1.23E+00
Cm-240	1.51E+00	1.58E+00	1.48E+00	1.40E+00
Cm-240+D	1.20E+00	1.21E+00	1.19E+00	1.17E+00
Np-240m	1.39E+00	1.48E+00	1.37E+00	1.27E+00
Np-240	1.31E+00	1.41E+00	1.28E+00	1.18E+00
Pu-240	1.51E+00	1.58E+00	1.49E+00	1.41E+00
U-240	1.50E+00	1.57E+00	1.48E+00	1.39E+00
U-240+D	1.38E+00	1.47E+00	1.36E+00	1.27E+00
Am-241	1.33E+00	1.42E+00	1.30E+00	1.19E+00
Cm-241	1.50E+00	1.58E+00	1.47E+00	1.36E+00
Pu-241	1.39E+00	1.47E+00	1.37E+00	1.28E+00
Pu-241+D	1.16E+00	1.21E+00	1.14E+00	1.09E+00
Am-242m	1.50E+00	1.58E+00	1.47E+00	1.36E+00
Am-242m+D	1.40E+00	1.46E+00	1.37E+00	1.30E+00
Am-242	1.49E+00	1.58E+00	1.46E+00	1.36E+00
Am-242+D	1.02E+00	1.02E+00	1.02E+00	1.01E+00
Cm-242	1.51E+00	1.58E+00	1.48E+00	1.40E+00
Pu-242	1.51E+00	1.58E+00	1.49E+00	1.41E+00
Am-243	1.29E+00	1.38E+00	1.25E+00	1.14E+00
Am-243+D	1.18E+00	1.25E+00	1.16E+00	1.09E+00
Cm-243	1.27E+00	1.37E+00	1.25E+00	1.14E+00
Pu-243	1.28E+00	1.38E+00	1.25E+00	1.14E+00
Am-244m	1.50E+00	1.58E+00	1.47E+00	1.38E+00
Am-244m+D	1.09E+00	1.10E+00	1.09E+00	1.08E+00
Am-244	1.12E+00	1.21E+00	1.08E+00	9.84E-01
Cf-244	1.50E+00	1.58E+00	1.47E+00	1.38E+00
Cf-244+D	1.28E+00	1.31E+00	1.27E+00	1.23E+00
Cm-244	1.51E+00	1.58E+00	1.48E+00	1.40E+00
Pu-244	2.40E+00	2.56E+00	2.35E+00	2.17E+00
Pu-244+D	1.34E+00	1.41E+00	1.32E+00	1.24E+00
Am-245	1.21E+00	1.31E+00	1.18E+00	1.07E+00
Bk-245	1.49E+00	1.58E+00	1.46E+00	1.35E+00
Cm-245	1.30E+00	1.39E+00	1.27E+00	1.17E+00
Pu-245	1.28E+00	1.38E+00	1.25E+00	1.14E+00
Pu-245+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00
Am-246m	1.41E+00	1.50E+00	1.39E+00	1.29E+00
Am-246	1.24E+00	1.33E+00	1.21E+00	1.10E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Bk-246	1.12E+00	1.21E+00	1.09E+00	9.90E-01
Cf-246	1.50E+00	1.58E+00	1.47E+00	1.37E+00
Cf-246+D	1.23E+00	1.25E+00	1.22E+00	1.19E+00
Cm-246	1.51E+00	1.58E+00	1.48E+00	1.40E+00
Pu-246	1.29E+00	1.39E+00	1.26E+00	1.15E+00
Pu-246+D	1.35E+00	1.42E+00	1.33E+00	1.25E+00
Bk-247	1.22E+00	1.31E+00	1.19E+00	1.08E+00
Cm-247	1.22E+00	1.31E+00	1.19E+00	1.08E+00
Cm-247+D	1.02E+00	1.02E+00	1.02E+00	1.01E+00
Cf-248	1.50E+00	1.58E+00	1.47E+00	1.38E+00
Cf-248+D	1.22E+00	1.24E+00	1.21E+00	1.18E+00
Cm-248	2.09E+00	2.26E+00	2.03E+00	1.83E+00
Bk-249	1.17E+00	1.27E+00	1.14E+00	1.03E+00
Bk-249+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00
Cf-249	1.33E+00	1.43E+00	1.30E+00	1.20E+00
Cm-249	1.17E+00	1.26E+00	1.14E+00	1.03E+00
Bk-250	1.06E+00	1.15E+00	1.03E+00	9.29E-01
Cf-250	1.50E+00	1.58E+00	1.47E+00	1.38E+00
Cm-250	2.07E+00	2.25E+00	2.02E+00	1.82E+00
Es-250	1.14E+00	1.24E+00	1.11E+00	1.01E+00
Cf-251	1.30E+00	1.40E+00	1.28E+00	1.17E+00
Es-251	1.28E+00	1.38E+00	1.25E+00	1.14E+00
Cf-252	2.10E+00	2.28E+00	2.05E+00	1.85E+00
Fm-252	1.49E+00	1.58E+00	1.46E+00	1.36E+00
Fm-252+D	1.30E+00	1.34E+00	1.29E+00	1.24E+00
Cf-253	1.50E+00	1.58E+00	1.47E+00	1.37E+00
Cf-253+D	1.41E+00	1.49E+00	1.38E+00	1.29E+00
Es-253	1.48E+00	1.56E+00	1.45E+00	1.35E+00
Fm-253	1.46E+00	1.56E+00	1.43E+00	1.32E+00
Cf-254	2.07E+00	2.25E+00	2.02E+00	1.82E+00
Es-254m	1.46E+00	1.56E+00	1.42E+00	1.31E+00
Es-254	1.48E+00	1.56E+00	1.45E+00	1.35E+00
Es-254+D	1.06E+00	1.14E+00	1.03E+00	9.31E-01
Fm-254	1.49E+00	1.57E+00	1.46E+00	1.36E+00
Fm-254+D	1.19E+00	1.21E+00	1.18E+00	1.15E+00
Fm-255	1.46E+00	1.54E+00	1.43E+00	1.33E+00
Fm-257	1.25E+00	1.35E+00	1.22E+00	1.11E+00
Md-257	1.46E+00	1.56E+00	1.42E+00	1.31E+00
Md-257+D	1.09E+00	1.13E+00	1.08E+00	1.04E+00
Md-258	1.48E+00	1.57E+00	1.45E+00	1.34E+00
Md-258+D	1.06E+00	1.15E+00	1.03E+00	9.36E-01



Table 4. Ratio of the dose rate at various locations in the 200 x 200 x 20 ft room to that for an infinite plane source.

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
H-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Be-7	1.15E+00	1.25E+00	1.11E+00	9.84E-01
Be-10	1.21E+00	1.31E+00	1.17E+00	1.04E+00
C-11	1.15E+00	1.25E+00	1.10E+00	9.80E-01
N-13	1.15E+00	1.25E+00	1.10E+00	9.80E-01
C-14	1.21E+00	1.31E+00	1.17E+00	1.04E+00
O-15	1.15E+00	1.25E+00	1.10E+00	9.80E-01
F-18	1.15E+00	1.25E+00	1.10E+00	9.80E-01
Ne-19	1.15E+00	1.25E+00	1.10E+00	9.80E-01
Na-22	1.12E+00	1.21E+00	1.07E+00	9.52E-01
Na-24	1.04E+00	1.13E+00	9.98E-01	8.84E-01
Al-26	1.10E+00	1.19E+00	1.05E+00	9.32E-01
Al-28	1.05E+00	1.14E+00	1.01E+00	8.92E-01
Mg-28	1.14E+00	1.23E+00	1.09E+00	9.76E-01
Mg-28+D	1.03E+00	1.07E+00	1.00E+00	9.39E-01
P-30	1.15E+00	1.25E+00	1.10E+00	9.80E-01
Si-31	1.08E+00	1.18E+00	1.04E+00	9.18E-01
P-32	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Si-32	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Si-32+D	1.21E+00	1.31E+00	1.16E+00	1.04E+00
P-33	1.21E+00	1.31E+00	1.17E+00	1.04E+00
S-35	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Cl-36	1.15E+00	1.25E+00	1.10E+00	9.80E-01
Ar-37	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cl-38	1.04E+00	1.14E+00	9.99E-01	8.85E-01
K-38	1.09E+00	1.19E+00	1.05E+00	9.31E-01
Ar-39	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Cl-39	1.08E+00	1.18E+00	1.04E+00	9.18E-01
K-40	1.07E+00	1.16E+00	1.02E+00	9.07E-01
Ar-41	1.08E+00	1.17E+00	1.03E+00	9.16E-01
Ca-41	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K-42	1.07E+00	1.16E+00	1.02E+00	9.04E-01
K-43	1.14E+00	1.24E+00	1.09E+00	9.73E-01
Sc-43	1.15E+00	1.25E+00	1.11E+00	9.84E-01
K-44	1.03E+00	1.12E+00	9.89E-01	8.76E-01
Sc-44m	1.18E+00	1.27E+00	1.13E+00	1.01E+00
Sc-44m+D	1.10E+00	1.19E+00	1.07E+00	9.60E-01
Sc-44	1.12E+00	1.22E+00	1.07E+00	9.55E-01
Ti-44	1.24E+00	1.33E+00	1.19E+00	1.07E+00
Ti-44+D	1.11E+00	1.20E+00	1.07E+00	9.58E-01
Ca-45	1.13E+00	1.12E+00	1.18E+00	1.22E+00
K-45	1.08E+00	1.17E+00	1.03E+00	9.18E-01
Ti-45	1.15E+00	1.25E+00	1.10E+00	9.79E-01
Sc-46	1.10E+00	1.19E+00	1.05E+00	9.33E-01
Ca-47	1.08E+00	1.18E+00	1.04E+00	9.20E-01
Ca-47+D	1.02E+00	1.03E+00	1.01E+00	1.00E+00
Sc-47	1.21E+00	1.31E+00	1.16E+00	1.04E+00
V-47	1.15E+00	1.25E+00	1.10E+00	9.79E-01
Cr-48	1.19E+00	1.29E+00	1.15E+00	1.02E+00
Cr-48+D	1.08E+00	1.16E+00	1.04E+00	9.39E-01
Sc-48	1.09E+00	1.18E+00	1.04E+00	9.25E-01
V-48	1.09E+00	1.19E+00	1.05E+00	9.30E-01
Ca-49	1.01E+00	1.09E+00	9.61E-01	8.50E-01
Cr-49	1.16E+00	1.26E+00	1.11E+00	9.93E-01
Sc-49	1.05E+00	1.15E+00	1.01E+00	8.94E-01
V-49	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cr-51	1.18E+00	1.27E+00	1.13E+00	1.01E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Mn-51	1.15E+00	1.25E+00	1.10E+00	9.79E-01
Fe-52	1.17E+00	1.26E+00	1.12E+00	9.98E-01
Fe-52+D	1.07E+00	1.14E+00	1.04E+00	9.50E-01
Mn-52m	1.10E+00	1.19E+00	1.05E+00	9.35E-01
Mn-52	1.08E+00	1.18E+00	1.04E+00	9.19E-01
Mn-53	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn-54	1.12E+00	1.21E+00	1.07E+00	9.47E-01
Co-55	1.10E+00	1.20E+00	1.05E+00	9.35E-01
Fe-55	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-56	1.06E+00	1.16E+00	1.02E+00	9.05E-01
Mn-56	1.07E+00	1.17E+00	1.03E+00	9.10E-01
Ni-56	1.13E+00	1.23E+00	1.08E+00	9.62E-01
Ni-56+D	1.04E+00	1.10E+00	1.01E+00	9.36E-01
Co-57	1.20E+00	1.24E+00	1.21E+00	1.17E+00
Ni-57	1.07E+00	1.17E+00	1.03E+00	9.12E-01
Ni-57+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Co-58m	1.30E+00	1.36E+00	1.27E+00	1.19E+00
Co-58m+D	1.12E+00	1.22E+00	1.07E+00	9.54E-01
Co-58	1.12E+00	1.22E+00	1.07E+00	9.54E-01
Fe-59	1.09E+00	1.18E+00	1.04E+00	9.24E-01
Ni-59	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60m	1.21E+00	1.30E+00	1.17E+00	1.04E+00
Co-60m+D	1.08E+00	1.17E+00	1.04E+00	9.18E-01
Co-60	1.08E+00	1.18E+00	1.04E+00	9.18E-01
Cu-60	1.08E+00	1.17E+00	1.03E+00	9.15E-01
Fe-60	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Fe-60+D	1.21E+00	1.30E+00	1.17E+00	1.04E+00
Co-61	1.23E+00	1.32E+00	1.18E+00	1.06E+00
Cu-61	1.10E+00	1.20E+00	1.06E+00	9.39E-01
Co-62m	1.07E+00	1.17E+00	1.03E+00	9.10E-01
Cu-62	1.15E+00	1.24E+00	1.10E+00	9.78E-01
Zn-62	1.14E+00	1.24E+00	1.10E+00	9.75E-01
Zn-62+D	1.10E+00	1.16E+00	1.07E+00	9.84E-01
Ni-63	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn-63	1.12E+00	1.22E+00	1.07E+00	9.52E-01
Cu-64	1.15E+00	1.24E+00	1.10E+00	9.78E-01
Ga-65	1.12E+00	1.22E+00	1.08E+00	9.57E-01
Ga-65+D	1.03E+00	1.05E+00	1.01E+00	9.76E-01
Ni-65	1.08E+00	1.17E+00	1.03E+00	9.14E-01
Zn-65	1.09E+00	1.19E+00	1.05E+00	9.29E-01
Cu-66	1.10E+00	1.19E+00	1.05E+00	9.33E-01
Ga-66	1.09E+00	1.19E+00	1.05E+00	9.29E-01
Ge-66	1.19E+00	1.29E+00	1.15E+00	1.02E+00
Ge-66+D	1.07E+00	1.13E+00	1.03E+00	9.46E-01
Ni-66	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Ni-66+D	1.10E+00	1.19E+00	1.05E+00	9.33E-01
Cu-67	1.21E+00	1.31E+00	1.16E+00	1.04E+00
Ga-67	1.19E+00	1.29E+00	1.15E+00	1.02E+00
Ge-67	1.09E+00	1.19E+00	1.05E+00	9.29E-01
Ge-67+D	1.02E+00	1.02E+00	1.01E+00	1.00E+00
Ga-68	1.15E+00	1.24E+00	1.10E+00	9.76E-01
Ge-68	1.05E+00	1.04E+00	1.10E+00	1.15E+00
Ge-68+D	1.14E+00	1.24E+00	1.10E+00	9.76E-01
As-69	1.15E+00	1.25E+00	1.10E+00	9.81E-01
As-69+D	1.04E+00	1.08E+00	1.02E+00	9.69E-01
Ge-69	1.10E+00	1.19E+00	1.05E+00	9.33E-01
Zn-69m	1.16E+00	1.25E+00	1.11E+00	9.89E-01
Zn-69	1.16E+00	1.26E+00	1.11E+00	9.92E-01
As-70	1.13E+00	1.23E+00	1.08E+00	9.63E-01
Ga-70	1.12E+00	1.22E+00	1.07E+00	9.56E-01
Se-70	1.16E+00	1.23E+00	1.14E+00	1.06E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Se-70+D	1.10E+00	1.17E+00	1.07E+00	9.71E-01
As-71	1.15E+00	1.25E+00	1.10E+00	9.82E-01
Ge-71	1.05E+00	1.04E+00	1.10E+00	1.15E+00
Zn-71m	1.13E+00	1.22E+00	1.08E+00	9.61E-01
As-72	1.12E+00	1.22E+00	1.07E+00	9.54E-01
Ga-72	1.13E+00	1.23E+00	1.08E+00	9.64E-01
Zn-72	1.20E+00	1.28E+00	1.18E+00	1.08E+00
Zn-72+D	1.13E+00	1.21E+00	1.08E+00	9.66E-01
As-73	1.10E+00	1.10E+00	1.14E+00	1.17E+00
Ga-73	1.16E+00	1.23E+00	1.14E+00	1.05E+00
Se-73m	1.14E+00	1.19E+00	1.14E+00	1.09E+00
Se-73m+D	1.10E+00	1.16E+00	1.08E+00	1.01E+00
Se-73	1.14E+00	1.22E+00	1.11E+00	1.02E+00
As-74	1.14E+00	1.23E+00	1.09E+00	9.73E-01
Br-74m	1.13E+00	1.22E+00	1.08E+00	9.59E-01
Br-74	1.10E+00	1.19E+00	1.05E+00	9.37E-01
Kr-74	1.20E+00	1.29E+00	1.16E+00	1.04E+00
Kr-74+D	1.07E+00	1.14E+00	1.04E+00	9.51E-01
Br-75	1.15E+00	1.25E+00	1.10E+00	9.81E-01
Br-75+D	1.04E+00	1.05E+00	1.03E+00	1.01E+00
Ge-75	1.18E+00	1.28E+00	1.14E+00	1.02E+00
Se-75	1.17E+00	1.25E+00	1.14E+00	1.03E+00
As-76	1.14E+00	1.23E+00	1.09E+00	9.69E-01
Br-76	1.14E+00	1.22E+00	1.09E+00	9.86E-01
Kr-76	1.17E+00	1.21E+00	1.18E+00	1.14E+00
Kr-76+D	1.11E+00	1.18E+00	1.08E+00	9.88E-01
As-77	1.17E+00	1.26E+00	1.12E+00	1.00E+00
Br-77	1.18E+00	1.26E+00	1.14E+00	1.04E+00
Ge-77	1.17E+00	1.27E+00	1.12E+00	1.00E+00
Kr-77	1.15E+00	1.24E+00	1.11E+00	1.00E+00
Kr-77+D	1.04E+00	1.05E+00	1.03E+00	1.01E+00
Se-77m	1.12E+00	1.14E+00	1.15E+00	1.15E+00
As-78	1.11E+00	1.21E+00	1.07E+00	9.48E-01
Ge-78	1.18E+00	1.28E+00	1.14E+00	1.02E+00
Ge-78+D	1.09E+00	1.16E+00	1.05E+00	9.58E-01
Kr-79	1.15E+00	1.23E+00	1.11E+00	1.00E+00
Rb-79	1.17E+00	1.26E+00	1.14E+00	1.03E+00
Rb-79+D	1.02E+00	1.03E+00	1.01E+00	1.00E+00
Se-79	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Br-80m	1.15E+00	1.16E+00	1.19E+00	1.20E+00
Br-80m+D	1.11E+00	1.17E+00	1.08E+00	9.94E-01
Br-80	1.14E+00	1.22E+00	1.10E+00	9.93E-01
Rb-80	1.15E+00	1.24E+00	1.10E+00	9.82E-01
Sr-80	1.17E+00	1.16E+00	1.22E+00	1.25E+00
Sr-80+D	1.15E+00	1.24E+00	1.10E+00	9.82E-01
Kr-81m	1.17E+00	1.20E+00	1.18E+00	1.15E+00
Kr-81	1.12E+00	1.11E+00	1.17E+00	1.21E+00
Rb-81m	1.17E+00	1.16E+00	1.22E+00	1.24E+00
Rb-81m+D	1.14E+00	1.22E+00	1.11E+00	1.02E+00
Rb-81	1.14E+00	1.22E+00	1.11E+00	1.02E+00
Se-81m	1.13E+00	1.14E+00	1.16E+00	1.17E+00
Se-81m+D	1.06E+00	1.10E+00	1.04E+00	9.89E-01
Se-81	1.14E+00	1.24E+00	1.10E+00	9.74E-01
Sr-81	1.16E+00	1.26E+00	1.12E+00	9.98E-01
Sr-81+D	1.04E+00	1.06E+00	1.03E+00	1.01E+00
Br-82	1.13E+00	1.22E+00	1.08E+00	9.56E-01
Rb-82m	1.12E+00	1.21E+00	1.07E+00	9.54E-01
Rb-82	1.14E+00	1.23E+00	1.10E+00	9.84E-01
Sr-82	1.17E+00	1.16E+00	1.22E+00	1.25E+00
Sr-82+D	1.14E+00	1.23E+00	1.10E+00	9.84E-01
Br-83	1.15E+00	1.24E+00	1.10E+00	9.77E-01

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Br-83+D	1.15	1.24	1.10	0.977
Kr-83m	1.15E+00	1.13E+00	1.20E+00	1.23E+00
Rb-83	1.15E+00	1.18E+00	1.15E+00	1.11E+00
Se-83	1.15E+00	1.24E+00	1.10E+00	9.77E-01
Sr-83	1.15E+00	1.23E+00	1.12E+00	1.03E+00
Sr-83+D	1.05E+00	1.06E+00	1.05E+00	1.04E+00
Br-84	1.10E+00	1.20E+00	1.06E+00	9.37E-01
Rb-84	1.14E+00	1.17E+00	1.14E+00	1.11E+00
Kr-85m	1.20E+00	1.29E+00	1.16E+00	1.05E+00
Kr-85	1.15E+00	1.24E+00	1.10E+00	9.84E-01
Sr-85m	1.19E+00	1.28E+00	1.15E+00	1.04E+00
Sr-85m+D	1.10E+00	1.11E+00	1.12E+00	1.11E+00
Sr-85	1.16E+00	1.18E+00	1.18E+00	1.17E+00
Rb-86	1.09E+00	1.19E+00	1.05E+00	9.30E-01
Y-86m	1.19E+00	1.29E+00	1.15E+00	1.04E+00
Y-86m+D	1.15E+00	1.23E+00	1.11E+00	1.01E+00
Y-86	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Zr-86	1.22E+00	1.24E+00	1.23E+00	1.20E+00
Zr-86+D	1.14E+00	1.23E+00	1.11E+00	1.01E+00
Kr-87	1.10E+00	1.20E+00	1.06E+00	9.37E-01
Rb-87	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Sr-87m	1.17E+00	1.25E+00	1.14E+00	1.05E+00
Y-87	1.18E+00	1.20E+00	1.20E+00	1.18E+00
Y-87+D	1.06E+00	1.09E+00	1.05E+00	1.02E+00
Kr-88	1.18E+00	1.27E+00	1.14E+00	1.04E+00
Kr-88+D	1.01E+00	1.03E+00	1.00E+00	9.72E-01
Nb-88	1.13E+00	1.22E+00	1.08E+00	9.71E-01
Nb-88+D	1.05E+00	1.07E+00	1.04E+00	1.02E+00
Rb-88	1.04E+00	1.14E+00	1.00E+00	8.87E-01
Y-88	1.11E+00	1.17E+00	1.09E+00	1.02E+00
Zr-88	1.20E+00	1.22E+00	1.21E+00	1.18E+00
Zr-88+D	1.09E+00	1.14E+00	1.08E+00	1.02E+00
Nb-89b	1.15E+00	1.24E+00	1.10E+00	9.87E-01
Nb-89b+D	1.07E+00	1.09E+00	1.07E+00	1.05E+00
Nb-89a	1.15E+00	1.24E+00	1.11E+00	1.00E+00
Nb-89a+D	1.06E+00	1.07E+00	1.06E+00	1.04E+00
Rb-89	1.10E+00	1.19E+00	1.05E+00	9.34E-01
Sr-89	1.11E+00	1.20E+00	1.06E+00	9.48E-01
Zr-89	1.17E+00	1.21E+00	1.16E+00	1.11E+00
Mo-90	1.14E+00	1.23E+00	1.10E+00	9.94E-01
Mo-90+D	1.08E+00	1.15E+00	1.05E+00	9.54E-01
Nb-90	1.10E+00	1.19E+00	1.06E+00	9.44E-01
Sr-90	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Sr-90+D	1.22E+00	1.22E+00	1.24E+00	1.24E+00
Y-90m	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Y-90	1.23E+00	1.23E+00	1.25E+00	1.25E+00
Sr-91	1.12E+00	1.21E+00	1.07E+00	9.52E-01
Sr-91+D	1.04E+00	1.06E+00	1.03E+00	1.00E+00
Y-91m	1.15E+00	1.24E+00	1.11E+00	1.00E+00
Y-91	1.08E+00	1.18E+00	1.04E+00	9.22E-01
Sr-92	1.08E+00	1.17E+00	1.03E+00	9.13E-01
Sr-92+D	1.01E+00	1.03E+00	1.01E+00	9.87E-01
Y-92	1.09E+00	1.19E+00	1.05E+00	9.29E-01
Mo-93m	1.12E+00	1.20E+00	1.07E+00	9.63E-01
Mo-93	1.25E+00	1.26E+00	1.26E+00	1.25E+00
Nb-93m	1.25E+00	1.26E+00	1.26E+00	1.25E+00
Tc-93m	1.16E+00	1.24E+00	1.13E+00	1.03E+00
Tc-93m+D	1.09E+00	1.12E+00	1.07E+00	1.02E+00
Tc-93	1.14E+00	1.21E+00	1.12E+00	1.03E+00
Y-93	1.05E+00	1.15E+00	1.01E+00	8.94E-01
Zr-93	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Nb-94	1.12E+00	1.21E+00	1.07E+00	9.51E-01
Ru-94	1.22E+00	1.28E+00	1.21E+00	1.13E+00
Ru-94+D	1.08E+00	1.14E+00	1.05E+00	9.73E-01
Tc-94m	1.11E+00	1.20E+00	1.07E+00	9.64E-01
Tc-94	1.13E+00	1.22E+00	1.09E+00	9.73E-01
Y-94	1.07E+00	1.17E+00	1.03E+00	9.13E-01
Nb-95m	1.24E+00	1.26E+00	1.25E+00	1.22E+00
Nb-95m+D	1.11E+00	1.20E+00	1.07E+00	9.58E-01
Nb-95	1.12E+00	1.22E+00	1.07E+00	9.54E-01
Tc-95m	1.14E+00	1.23E+00	1.09E+00	9.72E-01
Tc-95	1.14E+00	1.22E+00	1.10E+00	9.87E-01
Tc-95+D	1.14	1.22	1.10	0.987
Y-95	1.07E+00	1.17E+00	1.03E+00	9.11E-01
Y-95+D	1.08E+00	1.13E+00	1.05E+00	9.70E-01
Zr-95	1.13E+00	1.22E+00	1.08E+00	9.56E-01
Zr-95+D	1.06E+00	1.10E+00	1.04E+00	9.76E-01
Nb-96	1.13E+00	1.22E+00	1.08E+00	9.58E-01
Tc-96m	1.21E+00	1.27E+00	1.19E+00	1.11E+00
Tc-96m+D	1.12E+00	1.21E+00	1.07E+00	9.52E-01
Tc-96	1.12E+00	1.21E+00	1.07E+00	9.51E-01
Nb-97m	1.13E+00	1.22E+00	1.08E+00	9.67E-01
Nb-97m+D	1.06E+00	1.10E+00	1.04E+00	9.82E-01
Nb-97	1.13E+00	1.23E+00	1.08E+00	9.62E-01
Ru-97	1.23E+00	1.29E+00	1.20E+00	1.11E+00
Tc-97m	1.28E+00	1.30E+00	1.28E+00	1.24E+00
Tc-97	1.26E+00	1.28E+00	1.27E+00	1.24E+00
Zr-97	1.12E+00	1.22E+00	1.07E+00	9.54E-01
Zr-97+D	1.11E+00	1.19E+00	1.07E+00	9.69E-01
Nb-98	1.09E+00	1.18E+00	1.04E+00	9.25E-01
Tc-98	1.13E+00	1.22E+00	1.08E+00	9.59E-01
Mo-99	1.21E+00	1.29E+00	1.17E+00	1.06E+00
Mo-99+D	1.09E+00	1.11E+00	1.07E+00	1.04E+00
Rh-99m	1.11E+00	1.21E+00	1.07E+00	9.54E-01
Rh-99	1.16E+00	1.25E+00	1.12E+00	1.00E+00
Tc-99m	1.23E+00	1.31E+00	1.20E+00	1.09E+00
Tc-99	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Pd-100	1.27E+00	1.33E+00	1.24E+00	1.15E+00
Pd-100+D	1.14E+00	1.23E+00	1.10E+00	9.90E-01
Rh-100	1.15E+00	1.25E+00	1.11E+00	9.89E-01
Mo-101	1.19E+00	1.29E+00	1.15E+00	1.03E+00
Mo-101+D	1.03E+00	1.04E+00	1.02E+00	9.99E-01
Pd-101	1.16E+00	1.25E+00	1.12E+00	1.00E+00
Pd-101+D	1.08E+00	1.12E+00	1.07E+00	1.01E+00
Rh-101m	1.18E+00	1.27E+00	1.14E+00	1.02E+00
Rh-101m+D	1.01E+00	1.01E+00	1.01E+00	1.00E+00
Rh-101	1.21E+00	1.30E+00	1.17E+00	1.06E+00
Tc-101	1.17E+00	1.26E+00	1.12E+00	9.95E-01
Ag-102	1.08E+00	1.17E+00	1.03E+00	9.18E-01
Rh-102m	1.28E+00	1.32E+00	1.26E+00	1.20E+00
Rh-102m+D	1.02E+00	1.03E+00	1.01E+00	9.93E-01
Rh-102	1.12E+00	1.21E+00	1.07E+00	9.55E-01
Ag-103	1.22E+00	1.30E+00	1.19E+00	1.08E+00
Pd-103	1.29E+00	1.33E+00	1.28E+00	1.22E+00
Pd-103+D	1.02E+00	1.03E+00	1.02E+00	1.02E+00
Rh-103m	1.29E+00	1.33E+00	1.28E+00	1.22E+00
Ru-103	1.15E+00	1.25E+00	1.10E+00	9.79E-01
Ag-104m	1.11E+00	1.20E+00	1.07E+00	9.52E-01
Ag-104m+D	1.05E+00	1.09E+00	1.03E+00	9.82E-01
Ag-104	1.13E+00	1.22E+00	1.08E+00	9.59E-01
Cd-104	1.21E+00	1.29E+00	1.18E+00	1.08E+00
Cd-104+D	1.11E+00	1.20E+00	1.07E+00	9.63E-01

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Tc-104	1.17E+00	1.27E+00	1.12E+00	1.00E+00
Ag-105	1.18E+00	1.27E+00	1.13E+00	1.01E+00
Rh-105	1.18E+00	1.28E+00	1.13E+00	1.01E+00
Ru-105	1.17E+00	1.27E+00	1.12E+00	1.00E+00
Ru-105+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00
Ag-106m	1.15E+00	1.24E+00	1.10E+00	9.79E-01
Ag-106	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Rh-106m	1.13E+00	1.23E+00	1.08E+00	9.63E-01
Rh-106	1.15E+00	1.25E+00	1.10E+00	9.80E-01
Ru-106	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ru-106+D	1.15E+00	1.25E+00	1.10E+00	9.80E-01
Cd-107	1.27E+00	1.33E+00	1.25E+00	1.17E+00
Pd-107	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rh-107	1.17E+00	1.27E+00	1.13E+00	1.00E+00
Ag-108m	1.15E+00	1.24E+00	1.10E+00	9.80E-01
Ag-108	1.14E+00	1.24E+00	1.10E+00	9.76E-01
Ag-109m	1.29E+00	1.35E+00	1.28E+00	1.20E+00
Cd-109	1.29E+00	1.35E+00	1.28E+00	1.21E+00
In-109	1.17E+00	1.26E+00	1.13E+00	1.01E+00
Pd-109	1.29E+00	1.34E+00	1.27E+00	1.20E+00
Ag-110m	1.19E+00	1.29E+00	1.15E+00	1.04E+00
Ag-110	1.13E+00	1.23E+00	1.08E+00	9.63E-01
In-110b	1.14E+00	1.23E+00	1.09E+00	9.66E-01
In-110a	1.14E+00	1.23E+00	1.09E+00	9.76E-01
Sn-110	1.25E+00	1.33E+00	1.21E+00	1.11E+00
Sn-110+D	1.11E+00	1.18E+00	1.07E+00	9.80E-01
Ag-111	1.17E+00	1.27E+00	1.13E+00	1.01E+00
In-111	1.24E+00	1.32E+00	1.21E+00	1.11E+00
Sn-111	1.13E+00	1.22E+00	1.09E+00	9.78E-01
Sn-111+D	1.10E+00	1.13E+00	1.09E+00	1.05E+00
Ag-112	1.14E+00	1.23E+00	1.09E+00	9.64E-01
In-112	1.21E+00	1.29E+00	1.18E+00	1.08E+00
Cd-113m	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Cd-113	1.21E+00	1.31E+00	1.17E+00	1.04E+00
In-113m	1.21E+00	1.30E+00	1.18E+00	1.07E+00
Sn-113	1.30E+00	1.36E+00	1.27E+00	1.19E+00
Sn-113+D	1.19E+00	1.27E+00	1.16E+00	1.06E+00
In-114m	1.24E+00	1.32E+00	1.20E+00	1.09E+00
In-114	1.13E+00	1.21E+00	1.09E+00	9.77E-01
Ag-115	1.14E+00	1.24E+00	1.09E+00	9.73E-01
Ag-115+D	1.06E+00	1.08E+00	1.04E+00	1.00E+00
Cd-115m	1.09E+00	1.19E+00	1.05E+00	9.29E-01
Cd-115	1.15E+00	1.25E+00	1.11E+00	9.87E-01
Cd-115+D	1.07E+00	1.10E+00	1.06E+00	1.01E+00
In-115m	1.19E+00	1.29E+00	1.15E+00	1.04E+00
In-115	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Sb-115	1.16E+00	1.25E+00	1.12E+00	1.00E+00
In-116m	1.16E+00	1.26E+00	1.11E+00	9.92E-01
Sb-116m	1.11E+00	1.21E+00	1.07E+00	9.49E-01
Sb-116	1.13E+00	1.22E+00	1.08E+00	9.70E-01
Sb-116+D	1.13	1.22	1.08	0.970
Te-116	1.29E+00	1.36E+00	1.25E+00	1.15E+00
Te-116+D	1.12E+00	1.21E+00	1.08E+00	9.71E-01
Cd-117m	1.15E+00	1.24E+00	1.10E+00	9.75E-01
Cd-117m+D	1.04E+00	1.06E+00	1.03E+00	1.00E+00
Cd-117	1.17E+00	1.27E+00	1.13E+00	1.01E+00
Cd-117+D	1.05E+00	1.07E+00	1.04E+00	1.00E+00
In-117m	1.20E+00	1.30E+00	1.16E+00	1.04E+00
In-117m+D	1.13E+00	1.19E+00	1.09E+00	1.00E+00
In-117	1.17E+00	1.26E+00	1.12E+00	1.00E+00
Sb-117	1.26E+00	1.34E+00	1.22E+00	1.12E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Sn-117m	1.26E+00	1.34E+00	1.22E+00	1.12E+00
Sb-118m	1.13E+00	1.22E+00	1.09E+00	9.73E-01
In-119m	1.21E+00	1.29E+00	1.18E+00	1.08E+00
In-119m+D	1.06E+00	1.10E+00	1.04E+00	9.84E-01
In-119	1.14E+00	1.23E+00	1.09E+00	9.69E-01
Sb-119	1.30E+00	1.36E+00	1.27E+00	1.18E+00
Sn-119m	1.30E+00	1.36E+00	1.27E+00	1.19E+00
I-120m	1.11E+00	1.21E+00	1.07E+00	9.47E-01
I-120	1.14E+00	1.24E+00	1.10E+00	9.74E-01
Sb-120b	1.14E+00	1.24E+00	1.10E+00	9.87E-01
Sb-120a	1.21E+00	1.29E+00	1.17E+00	1.06E+00
Xe-120	1.25E+00	1.34E+00	1.21E+00	1.09E+00
Xe-120+D	1.12E+00	1.19E+00	1.08E+00	9.78E-01
I-121	1.16E+00	1.26E+00	1.12E+00	9.96E-01
I-121+D	1.10E+00	1.14E+00	1.07E+00	1.01E+00
Sn-121m	1.30E+00	1.37E+00	1.26E+00	1.16E+00
Sn-121	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Te-121m	1.20E+00	1.29E+00	1.15E+00	1.03E+00
Te-121m+D	1.12E+00	1.17E+00	1.09E+00	1.01E+00
Te-121	1.18E+00	1.27E+00	1.13E+00	1.02E+00
Xe-121	1.17E+00	1.27E+00	1.13E+00	1.01E+00
Xe-121+D	1.06E+00	1.08E+00	1.04E+00	1.00E+00
I-122	1.14E+00	1.23E+00	1.09E+00	9.74E-01
Sb-122	1.14E+00	1.23E+00	1.09E+00	9.70E-01
Xe-122	1.18E+00	1.28E+00	1.14E+00	1.01E+00
Xe-122+D	1.13E+00	1.21E+00	1.09E+00	9.76E-01
I-123	1.25E+00	1.34E+00	1.21E+00	1.10E+00
Sn-123m	1.22E+00	1.32E+00	1.18E+00	1.06E+00
Sn-123	1.09E+00	1.19E+00	1.05E+00	9.29E-01
Te-123m	1.25E+00	1.33E+00	1.21E+00	1.09E+00
Te-123	1.30E+00	1.37E+00	1.27E+00	1.17E+00
Xe-123	1.18E+00	1.27E+00	1.13E+00	1.01E+00
Xe-123+D	1.05E+00	1.06E+00	1.04E+00	1.02E+00
I-124	1.14E+00	1.23E+00	1.09E+00	9.71E-01
Sb-124n	1.30E+00	1.36E+00	1.27E+00	1.19E+00
Sb-124n+D	1.14E+00	1.23E+00	1.09E+00	9.65E-01
Sb-124m	1.14E+00	1.23E+00	1.09E+00	9.70E-01
Sb-124m+D	1.10E+00	1.17E+00	1.07E+00	9.71E-01
Sb-124	1.14E+00	1.23E+00	1.09E+00	9.64E-01
Cs-125	1.14E+00	1.24E+00	1.10E+00	9.78E-01
Cs-125+D	1.06E+00	1.08E+00	1.05E+00	1.01E+00
I-125	1.30E+00	1.37E+00	1.26E+00	1.16E+00
Sb-125	1.15E+00	1.24E+00	1.10E+00	9.77E-01
Sn-125	1.11E+00	1.21E+00	1.07E+00	9.46E-01
Sn-125+D	1.08E+00	1.13E+00	1.06E+00	9.88E-01
Te-125m	1.30E+00	1.37E+00	1.26E+00	1.16E+00
Xe-125	1.18E+00	1.28E+00	1.14E+00	1.02E+00
Xe-125+D	1.04E+00	1.04E+00	1.03E+00	1.02E+00
Ba-126	1.24E+00	1.32E+00	1.19E+00	1.07E+00
Ba-126+D	1.13E+00	1.21E+00	1.09E+00	9.88E-01
Cs-126	1.16E+00	1.25E+00	1.11E+00	9.86E-01
I-126	1.15E+00	1.24E+00	1.10E+00	9.80E-01
Sb-126m	1.14E+00	1.23E+00	1.09E+00	9.65E-01
Sb-126m+D	1.02E+00	1.04E+00	1.02E+00	9.91E-01
Sb-126	1.13E+00	1.22E+00	1.08E+00	9.58E-01
Sn-126	1.26E+00	1.34E+00	1.22E+00	1.10E+00
Sn-126+D	1.13E+00	1.22E+00	1.08E+00	9.65E-01
Cs-127	1.17E+00	1.27E+00	1.12E+00	1.00E+00
Cs-127+D	1.08E+00	1.11E+00	1.07E+00	1.02E+00
Sb-127	1.15E+00	1.25E+00	1.10E+00	9.80E-01
Sn-127	1.21E+00	1.31E+00	1.17E+00	1.05E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Sn-127+D	1.04E+00	1.06E+00	1.03E+00	9.95E-01
Te-127m	1.29E+00	1.37E+00	1.26E+00	1.15E+00
Te-127m+D	1.04E+00	1.06E+00	1.03E+00	9.99E-01
Te-127	1.16E+00	1.26E+00	1.12E+00	9.95E-01
Xe-127	1.22E+00	1.31E+00	1.18E+00	1.06E+00
Ba-128	1.27E+00	1.36E+00	1.23E+00	1.12E+00
Ba-128+D	1.14E+00	1.22E+00	1.10E+00	9.87E-01
Cs-128	1.15E+00	1.25E+00	1.11E+00	9.86E-01
I-128	1.16E+00	1.25E+00	1.11E+00	9.91E-01
Sb-128b	1.15E+00	1.25E+00	1.10E+00	9.83E-01
Sb-128a	1.12E+00	1.22E+00	1.07E+00	9.55E-01
Sn-128	1.18E+00	1.27E+00	1.14E+00	1.02E+00
Sn-128+D	1.09E+00	1.15E+00	1.05E+00	9.67E-01
Cs-129	1.17E+00	1.27E+00	1.12E+00	1.00E+00
I-129	1.29E+00	1.37E+00	1.25E+00	1.14E+00
Sb-129	1.14E+00	1.23E+00	1.09E+00	9.69E-01
Sb-129+D	1.14	1.23	1.09	0.969
Te-129m	1.30E+00	1.37E+00	1.26E+00	1.16E+00
Te-129m+D	1.07E+00	1.11E+00	1.05E+00	9.95E-01
Te-129	1.16E+00	1.25E+00	1.11E+00	9.89E-01
Xe-129m	1.29E+00	1.37E+00	1.25E+00	1.14E+00
Cs-130	1.16E+00	1.25E+00	1.12E+00	9.98E-01
I-130	1.14E+00	1.23E+00	1.09E+00	9.66E-01
Sb-130	1.12E+00	1.22E+00	1.07E+00	9.54E-01
Ba-131m	1.25E+00	1.34E+00	1.21E+00	1.09E+00
Ba-131m+D	1.15E+00	1.23E+00	1.12E+00	1.02E+00
Ba-131	1.18E+00	1.28E+00	1.14E+00	1.01E+00
Ba-131+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Cs-131	1.30E+00	1.38E+00	1.26E+00	1.15E+00
I-131	1.16E+00	1.26E+00	1.11E+00	9.91E-01
La-131	1.16E+00	1.26E+00	1.12E+00	9.97E-01
La-131+D	1.07E+00	1.10E+00	1.06E+00	1.01E+00
Sb-131	1.11E+00	1.21E+00	1.07E+00	9.47E-01
Sb-131+D	1.06E+00	1.08E+00	1.05E+00	1.01E+00
Te-131m	1.25E+00	1.34E+00	1.20E+00	1.08E+00
Te-131m+D	1.04E+00	1.05E+00	1.03E+00	1.00E+00
Te-131	1.20E+00	1.29E+00	1.15E+00	1.03E+00
Te-131+D	1.07E+00	1.11E+00	1.05E+00	9.96E-01
Xe-131m	1.29E+00	1.37E+00	1.25E+00	1.15E+00
Cs-132	1.14E+00	1.23E+00	1.09E+00	9.64E-01
I-132m	1.14E+00	1.23E+00	1.09E+00	9.69E-01
I-132m+D	1.13E+00	1.22E+00	1.10E+00	9.93E-01
I-132	1.16E+00	1.26E+00	1.11E+00	9.92E-01
La-132	1.15E+00	1.24E+00	1.10E+00	9.76E-01
Te-132	1.23E+00	1.32E+00	1.18E+00	1.06E+00
Te-132+D	1.14E+00	1.23E+00	1.10E+00	9.93E-01
Ba-133m	1.26E+00	1.34E+00	1.22E+00	1.11E+00
Ba-133m+D	1.16E+00	1.23E+00	1.12E+00	1.02E+00
Ba-133	1.19E+00	1.29E+00	1.15E+00	1.02E+00
I-133	1.15E+00	1.24E+00	1.10E+00	9.77E-01
I-133+D	1.02E+00	1.02E+00	1.02E+00	1.01E+00
Te-133m	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Te-133m+D	1.03E+00	1.05E+00	1.02E+00	9.95E-01
Te-133	1.09E+00	1.19E+00	1.05E+00	9.28E-01
Te-133+D	1.06E+00	1.09E+00	1.04E+00	9.94E-01
Xe-133m	1.28E+00	1.36E+00	1.24E+00	1.13E+00
Xe-133m+D	1.13E+00	1.16E+00	1.11E+00	1.05E+00
Xe-133	1.27E+00	1.36E+00	1.23E+00	1.11E+00
Ce-134	1.29E+00	1.37E+00	1.25E+00	1.13E+00
Ce-134+D	1.15E+00	1.24E+00	1.11E+00	9.92E-01
Cs-134m	1.27E+00	1.35E+00	1.23E+00	1.12E+00



Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Cs-134m+D	1.12E+00	1.21E+00	1.08E+00	9.57E-01
Cs-134	1.13E+00	1.22E+00	1.08E+00	9.56E-01
I-134	1.15E+00	1.24E+00	1.10E+00	9.75E-01
La-134	1.16E+00	1.25E+00	1.11E+00	9.92E-01
Te-134	1.14E+00	1.23E+00	1.09E+00	9.66E-01
Te-134+D	1.10E+00	1.17E+00	1.07E+00	9.81E-01
Ba-135m	1.27E+00	1.35E+00	1.22E+00	1.11E+00
Ce-135	1.19E+00	1.29E+00	1.14E+00	1.02E+00
Cs-135m	1.12E+00	1.21E+00	1.07E+00	9.51E-01
Cs-135	1.21E+00	1.31E+00	1.17E+00	1.04E+00
I-135	1.17E+00	1.27E+00	1.13E+00	1.00E+00
I-135+D	1.03E+00	1.04E+00	1.02E+00	1.00E+00
La-135	1.24E+00	1.33E+00	1.20E+00	1.08E+00
Xe-135m	1.15E+00	1.25E+00	1.10E+00	9.82E-01
Xe-135m+D	1.06E+00	1.09E+00	1.05E+00	1.00E+00
Xe-135	1.18E+00	1.28E+00	1.14E+00	1.01E+00
Cs-136	1.11E+00	1.21E+00	1.06E+00	9.45E-01
Nd-136	1.15E+00	1.25E+00	1.10E+00	9.82E-01
Nd-136+D	1.09E+00	1.17E+00	1.06E+00	9.52E-01
Pr-136	1.11E+00	1.21E+00	1.06E+00	9.45E-01
Ba-137m	1.14E+00	1.24E+00	1.09E+00	9.73E-01
Ce-137m	1.24E+00	1.33E+00	1.19E+00	1.07E+00
Ce-137m+D	1.10E+00	1.12E+00	1.09E+00	1.05E+00
Ce-137	1.27E+00	1.36E+00	1.23E+00	1.12E+00
Cs-137	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Cs-137+D	1.14E+00	1.24E+00	1.09E+00	9.73E-01
La-137	1.29E+00	1.37E+00	1.25E+00	1.14E+00
Pr-137	1.15E+00	1.25E+00	1.10E+00	9.83E-01
Pr-137+D	1.02E+00	1.02E+00	1.01E+00	1.01E+00
Cs-138	1.15E+00	1.25E+00	1.10E+00	9.82E-01
La-138	1.09E+00	1.19E+00	1.05E+00	9.30E-01
Nd-138	1.24E+00	1.33E+00	1.20E+00	1.08E+00
Nd-138+D	1.14E+00	1.22E+00	1.09E+00	9.79E-01
Pr-138m	1.13E+00	1.22E+00	1.08E+00	9.60E-01
Pr-138	1.15E+00	1.24E+00	1.10E+00	9.78E-01
Xe-138	1.16E+00	1.26E+00	1.12E+00	9.94E-01
Xe-138+D	1.10E+00	1.16E+00	1.07E+00	9.88E-01
Ba-139	1.19E+00	1.28E+00	1.14E+00	1.02E+00
Ce-139	1.25E+00	1.34E+00	1.20E+00	1.08E+00
Nd-139m	1.17E+00	1.27E+00	1.12E+00	1.00E+00
Nd-139m+D	1.03E+00	1.05E+00	1.03E+00	1.01E+00
Nd-139	1.13E+00	1.23E+00	1.08E+00	9.64E-01
Nd-139+D	1.09E+00	1.12E+00	1.08E+00	1.03E+00
Pr-139	1.23E+00	1.32E+00	1.19E+00	1.07E+00
Pr-139+D	1.13E+00	1.17E+00	1.11E+00	1.05E+00
Ba-140	1.16E+00	1.25E+00	1.11E+00	9.89E-01
Ba-140+D	1.12E+00	1.20E+00	1.08E+00	9.64E-01
La-140	1.13E+00	1.22E+00	1.08E+00	9.61E-01
Ba-141	1.16E+00	1.26E+00	1.12E+00	9.95E-01
Ba-141+D	1.02E+00	1.03E+00	1.01E+00	1.00E+00
Ce-141	1.23E+00	1.32E+00	1.18E+00	1.06E+00
La-141	1.07E+00	1.17E+00	1.03E+00	9.11E-01
La-141+D	1.14E+00	1.19E+00	1.11E+00	1.04E+00
Nd-141m	1.13E+00	1.22E+00	1.08E+00	9.57E-01
Nd-141m+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Nd-141	1.24E+00	1.33E+00	1.19E+00	1.08E+00
Pm-141	1.14E+00	1.24E+00	1.09E+00	9.73E-01
Pm-141+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Sm-141m	1.16E+00	1.25E+00	1.11E+00	9.89E-01
Sm-141m+D	1.04E+00	1.06E+00	1.03E+00	9.95E-01
Sm-141	1.10E+00	1.20E+00	1.06E+00	9.39E-01

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Sm-141+D	1.05E+00	1.08E+00	1.04E+00	9.93E-01
Ba-142	1.18E+00	1.28E+00	1.14E+00	1.01E+00
Ba-142+D	1.10E+00	1.16E+00	1.07E+00	9.82E-01
La-142	1.15E+00	1.24E+00	1.10E+00	9.75E-01
Pm-142	1.15E+00	1.24E+00	1.10E+00	9.78E-01
Pr-142m	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pr-142m+D	1.07E+00	1.15E+00	1.02E+00	9.02E-01
Pr-142	1.07E+00	1.16E+00	1.02E+00	9.02E-01
Sm-142	1.24E+00	1.33E+00	1.20E+00	1.08E+00
Sm-142+D	1.13E+00	1.21E+00	1.09E+00	9.80E-01
Ce-143	1.18E+00	1.28E+00	1.13E+00	1.01E+00
La-143	1.11E+00	1.20E+00	1.06E+00	9.41E-01
La-143+D	1.13E+00	1.19E+00	1.10E+00	1.01E+00
Pm-143	1.20E+00	1.29E+00	1.16E+00	1.04E+00
Pr-143	1.13E+00	1.22E+00	1.08E+00	9.55E-01
Ce-144	1.22E+00	1.32E+00	1.18E+00	1.06E+00
Ce-144+D	1.04E+00	1.09E+00	1.01E+00	9.38E-01
Pm-144	1.14E+00	1.23E+00	1.09E+00	9.70E-01
Pr-144m	1.27E+00	1.36E+00	1.23E+00	1.11E+00
Pr-144m+D	1.04E+00	1.11E+00	1.01E+00	9.29E-01
Pr-144	1.06E+00	1.16E+00	1.02E+00	9.02E-01
Eu-145	1.14E+00	1.23E+00	1.09E+00	9.69E-01
Eu-145+D	1.02E+00	1.02E+00	1.01E+00	1.01E+00
Gd-145	1.05E+00	1.15E+00	1.01E+00	8.94E-01
Gd-145+D	1.06E+00	1.09E+00	1.04E+00	9.91E-01
Pm-145	1.27E+00	1.36E+00	1.23E+00	1.11E+00
Pr-145	1.12E+00	1.21E+00	1.07E+00	9.52E-01
Sm-145	1.27E+00	1.36E+00	1.23E+00	1.11E+00
Sm-145+D	1.07E+00	1.09E+00	1.06E+00	1.03E+00
Eu-146	1.14E+00	1.23E+00	1.09E+00	9.64E-01
Gd-146	1.24E+00	1.33E+00	1.19E+00	1.07E+00
Gd-146+D	1.12E+00	1.20E+00	1.08E+00	9.68E-01
Pm-146	1.14E+00	1.23E+00	1.09E+00	9.68E-01
Sm-146	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Eu-147	1.13E+00	1.22E+00	1.08E+00	9.58E-01
Gd-147	1.19E+00	1.29E+00	1.14E+00	1.02E+00
Gd-147+D	1.03E+00	1.05E+00	1.02E+00	9.89E-01
Nd-147	1.16E+00	1.26E+00	1.11E+00	9.91E-01
Pm-147	1.23E+00	1.33E+00	1.19E+00	1.07E+00
Pr-147	1.17E+00	1.26E+00	1.12E+00	9.98E-01
Pr-147+D	1.02E+00	1.03E+00	1.01E+00	9.99E-01
Sm-147	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tb-147	1.11E+00	1.21E+00	1.07E+00	9.50E-01
Tb-147+D	1.09E+00	1.13E+00	1.07E+00	1.00E+00
Eu-148	1.19E+00	1.29E+00	1.15E+00	1.02E+00
Gd-148	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pm-148m	1.14E+00	1.23E+00	1.09E+00	9.69E-01
Pm-148	1.10E+00	1.19E+00	1.05E+00	9.31E-01
Eu-149	1.21E+00	1.30E+00	1.16E+00	1.04E+00
Gd-149	1.16E+00	1.26E+00	1.11E+00	9.92E-01
Gd-149+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Nd-149	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Pm-149	1.17E+00	1.27E+00	1.12E+00	1.00E+00
Tb-149	1.12E+00	1.22E+00	1.07E+00	9.54E-01
Tb-149+D	1.05E+00	1.07E+00	1.03E+00	9.97E-01
Eu-150b	1.17E+00	1.27E+00	1.13E+00	1.00E+00
Eu-150a	1.11E+00	1.21E+00	1.07E+00	9.47E-01
Pm-150	1.17E+00	1.27E+00	1.12E+00	1.00E+00
Tb-150	1.13E+00	1.22E+00	1.08E+00	9.60E-01
Gd-151	1.22E+00	1.31E+00	1.17E+00	1.05E+00
Nd-151	1.21E+00	1.31E+00	1.17E+00	1.04E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Nd-151+D	1.05E+00	1.07E+00	1.04E+00	1.02E+00
Pm-151	1.23E+00	1.33E+00	1.18E+00	1.06E+00
Sm-151	1.29E+00	1.34E+00	1.28E+00	1.22E+00
Tb-151	1.16E+00	1.26E+00	1.11E+00	9.93E-01
Tb-151+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00
Eu-152m	1.19E+00	1.28E+00	1.14E+00	1.02E+00
Eu-152	1.20E+00	1.30E+00	1.16E+00	1.03E+00
Gd-152	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Gd-153	1.24E+00	1.33E+00	1.19E+00	1.07E+00
Sm-153	1.23E+00	1.33E+00	1.19E+00	1.06E+00
Tb-153	1.22E+00	1.31E+00	1.17E+00	1.05E+00
Tb-153+D	1.07E+00	1.09E+00	1.06E+00	1.02E+00
Eu-154	1.22E+00	1.32E+00	1.18E+00	1.05E+00
Tb-154	1.16E+00	1.25E+00	1.11E+00	9.90E-01
Dy-155	1.20E+00	1.29E+00	1.15E+00	1.02E+00
Dy-155+D	1.04E+00	1.05E+00	1.03E+00	1.01E+00
Eu-155	1.24E+00	1.33E+00	1.19E+00	1.06E+00
Ho-155	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Ho-155+D	1.12E+00	1.17E+00	1.09E+00	1.02E+00
Sm-155	1.21E+00	1.31E+00	1.16E+00	1.04E+00
Sm-155+D	1.08E+00	1.10E+00	1.06E+00	1.02E+00
Tb-155	1.23E+00	1.32E+00	1.18E+00	1.06E+00
Eu-156	1.17E+00	1.26E+00	1.12E+00	1.00E+00
Sm-156	1.21E+00	1.30E+00	1.16E+00	1.04E+00
Sm-156+D	1.15E+00	1.24E+00	1.11E+00	1.00E+00
Tb-156m	1.26E+00	1.35E+00	1.21E+00	1.09E+00
Tb-156m+D	1.15E+00	1.24E+00	1.10E+00	9.81E-01
Tb-156n	1.26E+00	1.35E+00	1.21E+00	1.09E+00
Tb-156n+D	1.15E+00	1.25E+00	1.10E+00	9.81E-01
Tb-156	1.15E+00	1.25E+00	1.10E+00	9.81E-01
Dy-157	1.18E+00	1.28E+00	1.13E+00	1.01E+00
Eu-157	1.16E+00	1.26E+00	1.12E+00	9.96E-01
Ho-157	1.21E+00	1.30E+00	1.16E+00	1.04E+00
Ho-157+D	1.07E+00	1.10E+00	1.05E+00	1.00E+00
Tb-157	1.26E+00	1.36E+00	1.22E+00	1.10E+00
Eu-158	1.11E+00	1.21E+00	1.06E+00	9.45E-01
Tb-158	1.11E+00	1.20E+00	1.06E+00	9.43E-01
Dy-159	1.26E+00	1.35E+00	1.22E+00	1.10E+00
Gd-159	1.17E+00	1.27E+00	1.13E+00	1.00E+00
Ho-159	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Ho-159+D	1.03E+00	1.03E+00	1.02E+00	1.01E+00
Tb-160	1.12E+00	1.21E+00	1.07E+00	9.51E-01
Er-161	1.23E+00	1.33E+00	1.19E+00	1.07E+00
Er-161+D	1.01E+00	1.02E+00	1.01E+00	1.01E+00
Ho-161	1.26E+00	1.34E+00	1.21E+00	1.10E+00
Tb-161	1.25E+00	1.34E+00	1.21E+00	1.09E+00
Ho-162m	1.21E+00	1.30E+00	1.16E+00	1.04E+00
Ho-162m+D	1.02E+00	1.03E+00	1.01E+00	9.97E-01
Ho-162	1.15E+00	1.24E+00	1.10E+00	9.78E-01
Tm-162	1.15E+00	1.25E+00	1.10E+00	9.81E-01
Yb-162	1.23E+00	1.32E+00	1.18E+00	1.06E+00
Yb-162+D	1.14E+00	1.22E+00	1.09E+00	9.83E-01
Ho-164m	1.26E+00	1.35E+00	1.21E+00	1.09E+00
Ho-164m+D	1.09E+00	1.11E+00	1.07E+00	1.03E+00
Ho-164	1.25E+00	1.34E+00	1.20E+00	1.08E+00
Dy-165	1.23E+00	1.33E+00	1.19E+00	1.06E+00
Er-165	1.26E+00	1.35E+00	1.21E+00	1.09E+00
Dy-166	1.24E+00	1.33E+00	1.19E+00	1.07E+00
Dy-166+D	1.07E+00	1.10E+00	1.05E+00	1.00E+00
Ho-166m	1.18E+00	1.27E+00	1.13E+00	1.01E+00
Ho-166	1.17E+00	1.26E+00	1.13E+00	1.01E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Tm-166	1.19E+00	1.29E+00	1.15E+00	1.02E+00
Yb-166	1.25E+00	1.34E+00	1.21E+00	1.08E+00
Yb-166+D	1.18E+00	1.27E+00	1.14E+00	1.02E+00
Ho-167	1.17E+00	1.27E+00	1.13E+00	1.00E+00
Tm-167	1.22E+00	1.31E+00	1.17E+00	1.04E+00
Yb-167	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Yb-167+D	1.07E+00	1.09E+00	1.05E+00	1.02E+00
Er-169	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Lu-169	1.21E+00	1.30E+00	1.16E+00	1.03E+00
Lu-169+D	1.04E+00	1.06E+00	1.03E+00	1.01E+00
Yb-169	1.20E+00	1.30E+00	1.16E+00	1.03E+00
Hf-170	1.25E+00	1.34E+00	1.20E+00	1.08E+00
Hf-170+D	1.18E+00	1.24E+00	1.14E+00	1.05E+00
Lu-170	1.23E+00	1.32E+00	1.18E+00	1.06E+00
Tm-170	1.24E+00	1.33E+00	1.19E+00	1.07E+00
Er-171	1.18E+00	1.28E+00	1.13E+00	1.01E+00
Lu-171	1.23E+00	1.32E+00	1.19E+00	1.07E+00
Tm-171	1.25E+00	1.34E+00	1.20E+00	1.08E+00
Er-172	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Er-172+D	1.07E+00	1.11E+00	1.05E+00	1.00E+00
Hf-172	1.24E+00	1.33E+00	1.19E+00	1.08E+00
Hf-172+D	1.19E+00	1.28E+00	1.14E+00	1.03E+00
Lu-172	1.20E+00	1.30E+00	1.16E+00	1.03E+00
Ta-172	1.19E+00	1.29E+00	1.14E+00	1.02E+00
Ta-172+D	1.11E+00	1.15E+00	1.08E+00	1.02E+00
Tm-172	1.17E+00	1.27E+00	1.12E+00	1.00E+00
Hf-173	1.19E+00	1.29E+00	1.15E+00	1.02E+00
Hf-173+D	1.04E+00	1.06E+00	1.03E+00	1.00E+00
Lu-173	1.18E+00	1.28E+00	1.14E+00	1.01E+00
Ta-173	1.21E+00	1.31E+00	1.17E+00	1.05E+00
Ta-173+D	1.08E+00	1.12E+00	1.06E+00	1.01E+00
Tm-173	1.16E+00	1.26E+00	1.12E+00	9.96E-01
Lu-174m	1.24E+00	1.33E+00	1.19E+00	1.07E+00
Lu-174m+D	1.12E+00	1.17E+00	1.09E+00	1.02E+00
Lu-174	1.20E+00	1.29E+00	1.15E+00	1.03E+00
Ta-174	1.12E+00	1.22E+00	1.08E+00	9.58E-01
Hf-175	1.18E+00	1.27E+00	1.13E+00	1.01E+00
Ta-175	1.22E+00	1.31E+00	1.18E+00	1.05E+00
Ta-175+D	1.04E+00	1.07E+00	1.03E+00	1.00E+00
Tm-175	1.16E+00	1.26E+00	1.11E+00	9.93E-01
Yb-175	1.17E+00	1.27E+00	1.13E+00	1.00E+00
Lu-176m	1.23E+00	1.32E+00	1.19E+00	1.07E+00
Lu-176	1.19E+00	1.29E+00	1.14E+00	1.02E+00
Ta-176	1.22E+00	1.31E+00	1.18E+00	1.06E+00
W-176	1.23E+00	1.32E+00	1.19E+00	1.07E+00
W-176+D	1.20E+00	1.28E+00	1.16E+00	1.06E+00
Hf-177m	1.20E+00	1.30E+00	1.16E+00	1.03E+00
Lu-177m	1.23E+00	1.33E+00	1.19E+00	1.06E+00
Lu-177	1.21E+00	1.30E+00	1.16E+00	1.04E+00
Re-177	1.16E+00	1.25E+00	1.11E+00	9.91E-01
Re-177+D	1.12E+00	1.17E+00	1.10E+00	1.03E+00
Ta-177	1.23E+00	1.31E+00	1.18E+00	1.07E+00
W-177	1.21E+00	1.31E+00	1.17E+00	1.04E+00
W-177+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00
Yb-177	1.15E+00	1.24E+00	1.10E+00	9.81E-01
Yb-177+D	1.03E+00	1.04E+00	1.02E+00	1.01E+00
Hf-178m	1.16E+00	1.25E+00	1.11E+00	9.86E-01
Lu-178m	1.18E+00	1.28E+00	1.13E+00	1.01E+00
Lu-178	1.08E+00	1.18E+00	1.04E+00	9.20E-01
Re-178	1.14E+00	1.23E+00	1.09E+00	9.69E-01
Re-178+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Ta-178b	1.18E+00	1.28E+00	1.14E+00	1.01E+00
Ta-178a	1.17E+00	1.26E+00	1.13E+00	1.02E+00
W-178	1.18E+00	1.23E+00	1.18E+00	1.12E+00
W-178+D	1.15E+00	1.23E+00	1.11E+00	1.01E+00
Yb-178	1.17E+00	1.26E+00	1.12E+00	1.00E+00
Yb-178+D	1.06E+00	1.13E+00	1.03E+00	9.36E-01
Hf-179m	1.17E+00	1.26E+00	1.12E+00	9.97E-01
Lu-179	1.18E+00	1.28E+00	1.14E+00	1.01E+00
Ta-179	1.22E+00	1.30E+00	1.19E+00	1.09E+00
W-179	1.26E+00	1.34E+00	1.22E+00	1.11E+00
W-179+D	1.07E+00	1.09E+00	1.06E+00	1.03E+00
Hf-180m	1.17E+00	1.27E+00	1.13E+00	1.01E+00
Os-180	1.23E+00	1.28E+00	1.21E+00	1.14E+00
Os-180+D	1.11E+00	1.20E+00	1.07E+00	9.53E-01
Re-180	1.12E+00	1.21E+00	1.07E+00	9.50E-01
Ta-180m	1.24E+00	1.33E+00	1.19E+00	1.07E+00
Ta-180	1.19E+00	1.28E+00	1.14E+00	1.02E+00
Hf-181	1.16E+00	1.26E+00	1.12E+00	9.94E-01
Os-181	1.19E+00	1.29E+00	1.15E+00	1.03E+00
Os-181+D	1.09E+00	1.11E+00	1.07E+00	1.03E+00
Re-181	1.24E+00	1.33E+00	1.19E+00	1.07E+00
Re-181+D	1.01E+00	1.01E+00	1.01E+00	1.00E+00
W-181	1.23E+00	1.31E+00	1.19E+00	1.09E+00
Hf-182m	1.24E+00	1.33E+00	1.19E+00	1.07E+00
Hf-182	1.19E+00	1.29E+00	1.14E+00	1.02E+00
Hf-182+D	1.17E+00	1.25E+00	1.13E+00	1.03E+00
Ir-182	1.20E+00	1.29E+00	1.16E+00	1.05E+00
Ir-182+D	1.10E+00	1.14E+00	1.09E+00	1.03E+00
Os-182	1.21E+00	1.29E+00	1.18E+00	1.08E+00
Os-182+D	1.14E+00	1.20E+00	1.11E+00	1.03E+00
Re-182b	1.23E+00	1.32E+00	1.19E+00	1.06E+00
Re-182a	1.21E+00	1.30E+00	1.16E+00	1.04E+00
Ta-182m	1.21E+00	1.30E+00	1.16E+00	1.04E+00
Ta-182m+D	1.17E+00	1.24E+00	1.13E+00	1.03E+00
Ta-182	1.21E+00	1.30E+00	1.16E+00	1.04E+00
Hf-183	1.13E+00	1.22E+00	1.08E+00	9.58E-01
Hf-183+D	1.06E+00	1.07E+00	1.05E+00	1.01E+00
Ta-183	1.22E+00	1.31E+00	1.17E+00	1.05E+00
Hf-184	1.19E+00	1.28E+00	1.15E+00	1.03E+00
Hf-184+D	1.16E+00	1.24E+00	1.12E+00	1.02E+00
Ir-184	1.21E+00	1.30E+00	1.18E+00	1.07E+00
Re-184m	1.24E+00	1.32E+00	1.20E+00	1.08E+00
Re-184m+D	1.10E+00	1.15E+00	1.07E+00	1.00E+00
Re-184	1.17E+00	1.26E+00	1.12E+00	1.00E+00
Ta-184	1.19E+00	1.29E+00	1.15E+00	1.02E+00
Ir-185	1.23E+00	1.30E+00	1.19E+00	1.09E+00
Ir-185+D	1.07E+00	1.11E+00	1.04E+00	9.81E-01
Os-185	1.13E+00	1.23E+00	1.08E+00	9.65E-01
Ta-185	1.20E+00	1.30E+00	1.16E+00	1.04E+00
W-185	1.22E+00	1.30E+00	1.18E+00	1.07E+00
Ir-186a	1.21E+00	1.29E+00	1.17E+00	1.07E+00
Ir-186b	1.14E+00	1.23E+00	1.09E+00	9.74E-01
Pt-186	1.15E+00	1.23E+00	1.10E+00	9.89E-01
Pt-186+D	1.07E+00	1.12E+00	1.05E+00	9.85E-01
Re-186m	1.13E+00	1.15E+00	1.15E+00	1.15E+00
Re-186m+D	1.13E+00	1.17E+00	1.11E+00	1.05E+00
Re-186	1.23E+00	1.31E+00	1.19E+00	1.09E+00
Ta-186	1.19E+00	1.29E+00	1.15E+00	1.02E+00
Ir-187	1.21E+00	1.28E+00	1.18E+00	1.10E+00
Re-187	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W-187	1.22E+00	1.31E+00	1.18E+00	1.06E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ir-188	1.17E+00	1.26E+00	1.13E+00	1.02E+00
Pt-188	1.21E+00	1.30E+00	1.16E+00	1.05E+00
Pt-188+D	1.15E+00	1.23E+00	1.11E+00	1.02E+00
Re-188m	1.21E+00	1.29E+00	1.18E+00	1.09E+00
Re-188m+D	1.07E+00	1.10E+00	1.05E+00	1.00E+00
Re-188	1.17E+00	1.27E+00	1.13E+00	1.01E+00
W-188	1.19E+00	1.28E+00	1.14E+00	1.02E+00
W-188+D	1.17E+00	1.26E+00	1.12E+00	1.01E+00
Ir-189	1.23E+00	1.31E+00	1.19E+00	1.09E+00
Os-189m	1.08E+00	1.06E+00	1.13E+00	1.18E+00
Pt-189	1.22E+00	1.30E+00	1.18E+00	1.08E+00
Pt-189+D	1.04E+00	1.05E+00	1.03E+00	1.02E+00
Re-189	1.20E+00	1.29E+00	1.15E+00	1.03E+00
Ir-190n	1.23E+00	1.31E+00	1.20E+00	1.09E+00
Ir-190m	1.09E+00	1.07E+00	1.14E+00	1.19E+00
Ir-190m+D	1.20E+00	1.29E+00	1.16E+00	1.05E+00
Ir-190	1.20E+00	1.29E+00	1.16E+00	1.05E+00
Os-190m	1.15E+00	1.25E+00	1.11E+00	9.86E-01
Ir-191m	1.21E+00	1.29E+00	1.18E+00	1.07E+00
Os-191m	1.15E+00	1.18E+00	1.16E+00	1.14E+00
Os-191m+D	1.19E+00	1.26E+00	1.16E+00	1.07E+00
Os-191	1.21E+00	1.29E+00	1.18E+00	1.08E+00
Pt-191	1.22E+00	1.31E+00	1.18E+00	1.07E+00
Ir-192m	1.21E+00	1.31E+00	1.16E+00	1.04E+00
Ir-192m+D	1.18E+00	1.24E+00	1.16E+00	1.08E+00
Ir-192	1.23E+00	1.30E+00	1.19E+00	1.10E+00
Au-193	1.22E+00	1.30E+00	1.19E+00	1.08E+00
Hg-193m	1.21E+00	1.27E+00	1.20E+00	1.13E+00
Hg-193m+D	1.03E+00	1.04E+00	1.02E+00	1.01E+00
Hg-193	1.20E+00	1.27E+00	1.17E+00	1.07E+00
Hg-193+D	1.09E+00	1.12E+00	1.08E+00	1.04E+00
Os-193	1.21E+00	1.30E+00	1.17E+00	1.06E+00
Pt-193m	1.17E+00	1.21E+00	1.18E+00	1.15E+00
Pt-193	1.10E+00	1.09E+00	1.16E+00	1.20E+00
Au-194	1.22E+00	1.29E+00	1.19E+00	1.09E+00
Hg-194	1.13E+00	1.11E+00	1.18E+00	1.22E+00
Hg-194+D	1.22E+00	1.29E+00	1.19E+00	1.09E+00
Ir-194m	1.15E+00	1.24E+00	1.10E+00	9.77E-01
Ir-194	1.17E+00	1.27E+00	1.13E+00	1.00E+00
Os-194	1.13E+00	1.14E+00	1.17E+00	1.18E+00
Os-194+D	1.17E+00	1.27E+00	1.13E+00	1.00E+00
Tl-194m	1.20E+00	1.29E+00	1.16E+00	1.05E+00
Tl-194	1.15E+00	1.24E+00	1.10E+00	9.87E-01
Au-195m	1.19E+00	1.28E+00	1.15E+00	1.03E+00
Au-195m+D	1.05E+00	1.07E+00	1.05E+00	1.03E+00
Au-195	1.21E+00	1.27E+00	1.19E+00	1.11E+00
Hg-195m	1.17E+00	1.16E+00	1.21E+00	1.23E+00
Hg-195m+D	1.09E+00	1.12E+00	1.08E+00	1.04E+00
Hg-195	1.20E+00	1.27E+00	1.18E+00	1.09E+00
Hg-195+D	1.05E+00	1.07E+00	1.05E+00	1.03E+00
Ir-195m	1.14E+00	1.14E+00	1.18E+00	1.21E+00
Ir-195	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Pb-195m	1.16E+00	1.26E+00	1.12E+00	1.01E+00
Pb-195m+D	1.09E+00	1.12E+00	1.08E+00	1.04E+00
Pt-195m	1.21E+00	1.28E+00	1.19E+00	1.10E+00
Tl-195	1.21E+00	1.29E+00	1.18E+00	1.08E+00
Tl-195+D	1.03E+00	1.04E+00	1.03E+00	1.02E+00
Hg-197m	1.20E+00	1.25E+00	1.20E+00	1.14E+00
Hg-197m+D	1.07E+00	1.09E+00	1.07E+00	1.05E+00
Hg-197	1.20E+00	1.25E+00	1.19E+00	1.12E+00
Pt-197m	1.22E+00	1.29E+00	1.19E+00	1.11E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Pt-197m+D	1.03E+00	1.04E+00	1.03E+00	1.02E+00
Pt-197	1.18E+00	1.23E+00	1.18E+00	1.12E+00
Tl-197	1.20E+00	1.29E+00	1.17E+00	1.06E+00
Tl-197+D	1.02E+00	1.03E+00	1.02E+00	1.02E+00
Au-198m	1.20E+00	1.29E+00	1.16E+00	1.04E+00
Au-198m+D	1.06E+00	1.09E+00	1.04E+00	9.97E-01
Au-198	1.16E+00	1.26E+00	1.11E+00	9.93E-01
Pb-198	1.20E+00	1.29E+00	1.17E+00	1.06E+00
Pb-198+D	1.16E+00	1.21E+00	1.14E+00	1.07E+00
Tl-198m	1.19E+00	1.22E+00	1.20E+00	1.18E+00
Tl-198m+D	1.08E+00	1.11E+00	1.07E+00	1.04E+00
Tl-198	1.20E+00	1.27E+00	1.18E+00	1.09E+00
Au-199	1.20E+00	1.30E+00	1.17E+00	1.05E+00
Hg-199m	1.20E+00	1.28E+00	1.16E+00	1.06E+00
Pb-199	1.20E+00	1.26E+00	1.18E+00	1.11E+00
Pb-199+D	1.03E+00	1.04E+00	1.02E+00	1.01E+00
Pt-199	1.20E+00	1.29E+00	1.16E+00	1.04E+00
Pt-199+D	1.05E+00	1.07E+00	1.04E+00	1.01E+00
Tl-199	1.21E+00	1.29E+00	1.17E+00	1.05E+00
Au-200m	1.19E+00	1.22E+00	1.20E+00	1.17E+00
Au-200	1.17E+00	1.27E+00	1.12E+00	1.00E+00
Bi-200	1.20E+00	1.28E+00	1.16E+00	1.04E+00
Bi-200+D	1.07E+00	1.09E+00	1.06E+00	1.03E+00
Pb-200	1.21E+00	1.29E+00	1.17E+00	1.07E+00
Pb-200+D	1.18E+00	1.23E+00	1.15E+00	1.08E+00
Pt-200	1.21E+00	1.29E+00	1.18E+00	1.09E+00
Pt-200+D	1.13E+00	1.21E+00	1.10E+00	1.00E+00
Tl-200	1.21E+00	1.28E+00	1.18E+00	1.10E+00
Au-201	1.17E+00	1.26E+00	1.12E+00	1.01E+00
Bi-201	1.12E+00	1.21E+00	1.08E+00	9.64E-01
Bi-201+D	1.07E+00	1.09E+00	1.07E+00	1.04E+00
Pb-201	1.20E+00	1.26E+00	1.19E+00	1.11E+00
Pb-201+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Tl-201	1.22E+00	1.30E+00	1.18E+00	1.08E+00
Bi-202	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Pb-202m	1.18E+00	1.18E+00	1.21E+00	1.22E+00
Pb-202	1.09E+00	1.08E+00	1.15E+00	1.19E+00
Pb-202+D	1.17E+00	1.26E+00	1.13E+00	1.02E+00
Tl-202	1.17E+00	1.26E+00	1.13E+00	1.02E+00
Bi-203	1.21E+00	1.28E+00	1.18E+00	1.10E+00
Bi-203+D	1.02E+00	1.03E+00	1.02E+00	1.00E+00
Hg-203	1.19E+00	1.28E+00	1.14E+00	1.02E+00
Pb-203	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Po-203	1.20E+00	1.28E+00	1.17E+00	1.06E+00
Po-203+D	1.12E+00	1.16E+00	1.10E+00	1.05E+00
Tl-204	1.21E+00	1.26E+00	1.19E+00	1.12E+00
Bi-205	1.21E+00	1.27E+00	1.19E+00	1.12E+00
Pb-205	1.10E+00	1.09E+00	1.15E+00	1.19E+00
Po-205	1.22E+00	1.29E+00	1.19E+00	1.10E+00
Po-205+D	1.10E+00	1.12E+00	1.09E+00	1.06E+00
Bi-206	1.20E+00	1.28E+00	1.17E+00	1.07E+00
Tl-206	1.19E+00	1.25E+00	1.16E+00	1.07E+00
At-207	1.20E+00	1.28E+00	1.17E+00	1.07E+00
At-207+D	1.10E+00	1.13E+00	1.09E+00	1.05E+00
Bi-207	1.12E+00	1.21E+00	1.07E+00	9.59E-01
Po-207	1.21E+00	1.27E+00	1.19E+00	1.11E+00
Tl-207	1.11E+00	1.21E+00	1.06E+00	9.44E-01
Tl-208	1.15E+00	1.24E+00	1.10E+00	9.75E-01
Pb-209	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Tl-209	1.12E+00	1.22E+00	1.08E+00	9.59E-01
Bi-210m	1.18E+00	1.27E+00	1.13E+00	1.01E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Bi-210	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Pb-210	1.18E+00	1.18E+00	1.21E+00	1.22E+00
Pb-210+D	1.06E+00	1.08E+00	1.04E+00	1.01E+00
Po-210	1.12E+00	1.21E+00	1.07E+00	9.50E-01
At-211	1.19E+00	1.19E+00	1.23E+00	1.25E+00
At-211+D	1.01E+00	1.02E+00	1.01E+00	9.96E-01
Bi-211	1.17E+00	1.27E+00	1.13E+00	1.01E+00
Bi-211+D	1.01E+00	1.01E+00	1.00E+00	9.96E-01
Pb-211	1.16E+00	1.26E+00	1.12E+00	9.95E-01
Pb-211+D	1.08E+00	1.12E+00	1.06E+00	1.00E+00
Po-211	1.12E+00	1.22E+00	1.08E+00	9.57E-01
Bi-212	1.20E+00	1.22E+00	1.22E+00	1.21E+00
Bi-212+D	1.12E+00	1.20E+00	1.08E+00	9.79E-01
Pb-212	1.19E+00	1.29E+00	1.15E+00	1.03E+00
Pb-212+D	1.13E+00	1.21E+00	1.10E+00	1.01E+00
Po-212	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Bi-213	1.19E+00	1.18E+00	1.23E+00	1.25E+00
Bi-213+D	1.03E+00	1.05E+00	1.02E+00	9.92E-01
Po-213	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Po-213+D	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Bi-214	1.19E+00	1.27E+00	1.16E+00	1.05E+00
Pb-214	1.20E+00	1.28E+00	1.16E+00	1.06E+00
Pb-214+D	1.16E+00	1.22E+00	1.13E+00	1.04E+00
Po-214	1.12E+00	1.21E+00	1.07E+00	9.51E-01
Po-214+D	1.18E+00	1.21E+00	1.19E+00	1.17E+00
At-215	1.16E+00	1.26E+00	1.12E+00	9.95E-01
At-215+D	1.17E+00	1.26E+00	1.12E+00	1.00E+00
Po-215	1.16E+00	1.25E+00	1.11E+00	9.90E-01
Po-215+D	1.16E+00	1.26E+00	1.12E+00	9.99E-01
At-216	1.21E+00	1.28E+00	1.19E+00	1.10E+00
At-216+D	1.15E+00	1.24E+00	1.11E+00	1.01E+00
Po-216	1.12E+00	1.21E+00	1.07E+00	9.50E-01
Po-216+D	1.16E+00	1.24E+00	1.12E+00	1.01E+00
At-217	1.16E+00	1.25E+00	1.11E+00	9.90E-01
At-217+D	1.17E+00	1.19E+00	1.19E+00	1.18E+00
At-218	1.18E+00	1.18E+00	1.21E+00	1.22E+00
At-218+D	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Po-218	1.12E+00	1.21E+00	1.07E+00	9.47E-01
Po-218+D	1.19E+00	1.27E+00	1.16E+00	1.05E+00
Rn-218	1.14E+00	1.23E+00	1.09E+00	9.69E-01
Rn-218+D	1.15E+00	1.17E+00	1.16E+00	1.14E+00
Fr-219	1.17E+00	1.26E+00	1.12E+00	1.00E+00
Fr-219+D	1.15E+00	1.24E+00	1.12E+00	1.00E+00
Rn-219	1.19E+00	1.28E+00	1.14E+00	1.02E+00
Rn-219+D	1.10E+00	1.15E+00	1.07E+00	9.99E-01
Fr-220	1.20E+00	1.25E+00	1.20E+00	1.15E+00
Fr-220+D	1.15E+00	1.24E+00	1.11E+00	1.01E+00
Rn-220	1.15E+00	1.24E+00	1.10E+00	9.76E-01
Rn-220+D	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Fr-221	1.20E+00	1.29E+00	1.15E+00	1.03E+00
Fr-221+D	1.14E+00	1.16E+00	1.16E+00	1.15E+00
Fr-222	1.21E+00	1.31E+00	1.17E+00	1.04E+00
Fr-222+D	1.13E+00	1.19E+00	1.11E+00	1.04E+00
Ra-222	1.18E+00	1.27E+00	1.13E+00	1.01E+00
Ra-222+D	1.05E+00	1.06E+00	1.05E+00	1.04E+00
Rn-222	1.15E+00	1.25E+00	1.10E+00	9.81E-01
Rn-222+D	1.19E+00	1.27E+00	1.16E+00	1.05E+00
Ac-223	1.19E+00	1.21E+00	1.21E+00	1.20E+00
Ac-223+D	1.15E+00	1.24E+00	1.11E+00	1.00E+00
Fr-223	1.24E+00	1.31E+00	1.21E+00	1.12E+00
Fr-223+D	1.16E+00	1.22E+00	1.13E+00	1.05E+00



Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ra-223	1.22E+00	1.29E+00	1.20E+00	1.12E+00
Ra-223+D	1.09E+00	1.13E+00	1.06E+00	1.00E+00
Ac-224	1.23E+00	1.23E+00	1.25E+00	1.25E+00
Ac-224+D	1.13E+00	1.21E+00	1.10E+00	1.01E+00
Ra-224	1.19E+00	1.29E+00	1.15E+00	1.03E+00
Ra-224+D	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Ac-225	1.22E+00	1.25E+00	1.22E+00	1.18E+00
Ac-225+D	1.16E+00	1.19E+00	1.17E+00	1.14E+00
Ra-225	1.25E+00	1.32E+00	1.24E+00	1.15E+00
Ra-225+D	1.17E+00	1.19E+00	1.18E+00	1.15E+00
Ac-226	1.25E+00	1.26E+00	1.27E+00	1.25E+00
Ac-226+D	1.02E+00	1.02E+00	1.01E+00	1.00E+00
Ra-226	1.20E+00	1.29E+00	1.16E+00	1.05E+00
Ra-226+D	1.19E+00	1.27E+00	1.16E+00	1.05E+00
Th-226	1.21E+00	1.28E+00	1.19E+00	1.10E+00
Th-226+D	1.10E+00	1.15E+00	1.09E+00	1.03E+00
Ac-227	1.24E+00	1.25E+00	1.26E+00	1.25E+00
Ac-227+D	1.21E+00	1.29E+00	1.18E+00	1.08E+00
Pa-227	1.25E+00	1.26E+00	1.26E+00	1.25E+00
Pa-227+D	1.15E+00	1.22E+00	1.13E+00	1.04E+00
Ra-227	1.26E+00	1.32E+00	1.24E+00	1.17E+00
Ra-227+D	1.14E+00	1.19E+00	1.12E+00	1.05E+00
Th-227	1.25E+00	1.31E+00	1.22E+00	1.14E+00
Th-227+D	1.13E+00	1.19E+00	1.11E+00	1.04E+00
Ac-228	1.23E+00	1.28E+00	1.22E+00	1.16E+00
Ac-228+D	1.09E+00	1.13E+00	1.07E+00	1.01E+00
Pa-228	1.25E+00	1.27E+00	1.27E+00	1.24E+00
Pa-228+D	1.08E+00	1.12E+00	1.06E+00	1.01E+00
Ra-228	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228+D	1.19E+00	1.26E+00	1.16E+00	1.07E+00
Th-228	1.21E+00	1.24E+00	1.22E+00	1.19E+00
Th-228+D	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Th-229	1.23E+00	1.30E+00	1.21E+00	1.12E+00
Th-229+D	1.13E+00	1.15E+00	1.13E+00	1.11E+00
Pa-230	1.26E+00	1.28E+00	1.27E+00	1.24E+00
Th-230	1.22E+00	1.22E+00	1.24E+00	1.24E+00
U-230	1.23E+00	1.25E+00	1.24E+00	1.21E+00
U-230+D	1.17E+00	1.24E+00	1.15E+00	1.06E+00
Pa-231	1.27E+00	1.31E+00	1.26E+00	1.21E+00
Th-231	1.26E+00	1.31E+00	1.25E+00	1.19E+00
U-231	1.25E+00	1.32E+00	1.22E+00	1.12E+00
Np-232	1.19E+00	1.28E+00	1.15E+00	1.03E+00
Pa-232	1.23E+00	1.30E+00	1.20E+00	1.11E+00
Th-232	1.22E+00	1.22E+00	1.24E+00	1.24E+00
U-232	1.23E+00	1.25E+00	1.25E+00	1.24E+00
U-232+D	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Np-233	1.23E+00	1.31E+00	1.20E+00	1.10E+00
Pa-233	1.24E+00	1.31E+00	1.20E+00	1.10E+00
U-233	1.24E+00	1.25E+00	1.25E+00	1.24E+00
Np-234	1.24E+00	1.29E+00	1.22E+00	1.14E+00
Pa-234m	1.27E+00	1.29E+00	1.27E+00	1.24E+00
Pa-234m+D	1.03E+00	1.03E+00	1.02E+00	1.01E+00
Pa-234	1.24E+00	1.31E+00	1.21E+00	1.12E+00
Pu-234	1.27E+00	1.30E+00	1.27E+00	1.23E+00
Pu-234+D	1.22E+00	1.28E+00	1.20E+00	1.13E+00
Th-234	1.24E+00	1.31E+00	1.21E+00	1.11E+00
Th-234+D	1.17E+00	1.19E+00	1.17E+00	1.14E+00
U-234	1.23E+00	1.24E+00	1.25E+00	1.24E+00
Np-235	1.26E+00	1.27E+00	1.27E+00	1.25E+00
Pu-235	1.23E+00	1.30E+00	1.21E+00	1.11E+00
Pu-235+D	1.23	1.30	1.21	1.11

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
U-235	1.24E+00	1.30E+00	1.21E+00	1.12E+00
U-235+D	1.02E+00	1.03E+00	1.02E+00	1.02E+00
Np-236a	1.27E+00	1.30E+00	1.27E+00	1.24E+00
Np-236b	1.27E+00	1.30E+00	1.27E+00	1.24E+00
Pu-236	1.25E+00	1.26E+00	1.26E+00	1.24E+00
U-236	1.23E+00	1.24E+00	1.25E+00	1.24E+00
Am-237	1.23E+00	1.32E+00	1.19E+00	1.08E+00
Am-237+D	1.03E+00	1.03E+00	1.03E+00	1.03E+00
Np-237	1.25E+00	1.31E+00	1.23E+00	1.15E+00
Np-237+D	1.20E+00	1.26E+00	1.17E+00	1.08E+00
Pu-237	1.28E+00	1.30E+00	1.28E+00	1.23E+00
U-237	1.24E+00	1.32E+00	1.20E+00	1.10E+00
Am-238	1.23E+00	1.30E+00	1.20E+00	1.10E+00
Cm-238	1.24E+00	1.31E+00	1.21E+00	1.12E+00
Cm-238+D	1.21E+00	1.27E+00	1.18E+00	1.10E+00
Np-238	1.26E+00	1.29E+00	1.26E+00	1.23E+00
Pu-238	1.25E+00	1.26E+00	1.26E+00	1.24E+00
U-238	1.23E+00	1.24E+00	1.25E+00	1.24E+00
U-238+D	1.25E+00	1.29E+00	1.24E+00	1.17E+00
Am-239	1.28E+00	1.31E+00	1.28E+00	1.23E+00
Np-239	1.23E+00	1.32E+00	1.19E+00	1.08E+00
Pu-239	1.25E+00	1.26E+00	1.26E+00	1.24E+00
U-239	1.25E+00	1.32E+00	1.21E+00	1.11E+00
U-239+D	1.17E+00	1.22E+00	1.14E+00	1.06E+00
Am-240	1.24E+00	1.30E+00	1.22E+00	1.14E+00
Cm-240	1.26E+00	1.28E+00	1.27E+00	1.24E+00
Cm-240+D	1.11E+00	1.11E+00	1.11E+00	1.10E+00
Np-240m	1.24E+00	1.29E+00	1.23E+00	1.16E+00
Np-240	1.23E+00	1.30E+00	1.21E+00	1.11E+00
Pu-240	1.25E+00	1.26E+00	1.26E+00	1.24E+00
U-240	1.26E+00	1.28E+00	1.27E+00	1.23E+00
U-240+D	1.24E+00	1.28E+00	1.22E+00	1.16E+00
Am-241	1.25E+00	1.33E+00	1.22E+00	1.12E+00
Cm-241	1.28E+00	1.32E+00	1.28E+00	1.23E+00
Pu-241	1.24E+00	1.29E+00	1.23E+00	1.17E+00
Pu-241+D	1.14E+00	1.18E+00	1.12E+00	1.06E+00
Am-242m	1.28E+00	1.32E+00	1.28E+00	1.23E+00
Am-242m+D	1.23E+00	1.26E+00	1.23E+00	1.19E+00
Am-242	1.29E+00	1.32E+00	1.28E+00	1.22E+00
Am-242+D	1.29	1.32	1.28	1.22
Cm-242	1.26E+00	1.28E+00	1.27E+00	1.24E+00
Pu-242	1.25E+00	1.26E+00	1.26E+00	1.24E+00
Am-243	1.25E+00	1.33E+00	1.21E+00	1.10E+00
Am-243+D	1.17E+00	1.22E+00	1.14E+00	1.06E+00
Cm-243	1.24E+00	1.32E+00	1.20E+00	1.09E+00
Pu-243	1.24E+00	1.32E+00	1.20E+00	1.10E+00
Am-244m	1.27E+00	1.30E+00	1.27E+00	1.23E+00
Am-244m+D	1.05E+00	1.06E+00	1.06E+00	1.05E+00
Am-244	1.14E+00	1.23E+00	1.10E+00	9.80E-01
Cf-244	1.27E+00	1.30E+00	1.27E+00	1.23E+00
Cf-244+D	1.15E+00	1.16E+00	1.16E+00	1.14E+00
Cm-244	1.26E+00	1.28E+00	1.27E+00	1.24E+00
Pu-244	2.28E+00	2.40E+00	2.23E+00	2.07E+00
Pu-244+D	1.21E+00	1.25E+00	1.20E+00	1.15E+00
Am-245	1.21E+00	1.30E+00	1.16E+00	1.05E+00
Bk-245	1.29E+00	1.33E+00	1.28E+00	1.22E+00
Cm-245	1.23E+00	1.31E+00	1.20E+00	1.11E+00
Pu-245	1.24E+00	1.32E+00	1.20E+00	1.09E+00
Pu-245+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00
Am-246m	1.26E+00	1.31E+00	1.25E+00	1.18E+00
Am-246	1.21E+00	1.30E+00	1.18E+00	1.07E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Bk-246	1.14E+00	1.23E+00	1.10E+00	9.85E-01
Cf-246	1.27E+00	1.30E+00	1.27E+00	1.23E+00
Cf-246+D	1.13E+00	1.14E+00	1.13E+00	1.12E+00
Cm-246	1.26E+00	1.28E+00	1.27E+00	1.24E+00
Pu-246	1.24E+00	1.32E+00	1.21E+00	1.10E+00
Pu-246+D	1.22E+00	1.26E+00	1.21E+00	1.15E+00
Bk-247	1.21E+00	1.30E+00	1.17E+00	1.05E+00
Cm-247	1.20E+00	1.29E+00	1.16E+00	1.05E+00
Cm-247+D	1.01E+00	1.02E+00	1.01E+00	1.01E+00
Cf-248	1.27E+00	1.30E+00	1.27E+00	1.23E+00
Cf-248+D	1.12E+00	1.13E+00	1.13E+00	1.11E+00
Cm-248	2.18E+00	2.37E+00	2.09E+00	1.86E+00
Bk-249	1.19E+00	1.28E+00	1.14E+00	1.02E+00
Bk-249+D	1.01E+00	1.01E+00	1.01E+00	1.00E+00
Cf-249	1.25E+00	1.31E+00	1.22E+00	1.13E+00
Cm-249	1.18E+00	1.28E+00	1.14E+00	1.02E+00
Bk-250	1.10E+00	1.20E+00	1.06E+00	9.40E-01
Cf-250	1.27E+00	1.30E+00	1.27E+00	1.23E+00
Cm-250	2.18E+00	2.36E+00	2.08E+00	1.85E+00
Es-250	1.15E+00	1.24E+00	1.11E+00	1.00E+00
Cf-251	1.24E+00	1.31E+00	1.21E+00	1.11E+00
Es-251	1.23E+00	1.32E+00	1.20E+00	1.09E+00
Cf-252	2.19E+00	2.37E+00	2.10E+00	1.87E+00
Fm-252	1.28E+00	1.32E+00	1.27E+00	1.22E+00
Fm-252+D	1.17E+00	1.18E+00	1.17E+00	1.15E+00
Cf-253	1.27E+00	1.30E+00	1.27E+00	1.23E+00
Cf-253+D	1.25E+00	1.29E+00	1.24E+00	1.18E+00
Es-253	1.28E+00	1.32E+00	1.27E+00	1.22E+00
Fm-253	1.29E+00	1.34E+00	1.28E+00	1.21E+00
Cf-254	2.18E+00	2.36E+00	2.08E+00	1.85E+00
Es-254m	1.29E+00	1.35E+00	1.28E+00	1.20E+00
Es-254	1.27E+00	1.31E+00	1.27E+00	1.22E+00
Es-254+D	1.10E+00	1.19E+00	1.06E+00	9.41E-01
Fm-254	1.28E+00	1.32E+00	1.27E+00	1.22E+00
Fm-254+D	1.11E+00	1.12E+00	1.11E+00	1.10E+00
Fm-255	1.27E+00	1.30E+00	1.26E+00	1.21E+00
Fm-257	1.22E+00	1.31E+00	1.19E+00	1.07E+00
Md-257	1.29E+00	1.35E+00	1.28E+00	1.20E+00
Md-257+D	1.09E+00	1.12E+00	1.08E+00	1.03E+00
Md-258	1.28E+00	1.33E+00	1.27E+00	1.22E+00
Md-258+D	1.10E+00	1.20E+00	1.06E+00	9.45E-01

Table 5. Ratio of the dose rate at various locations in 400 x 400 x 40 ft room to that for an infinite plane source.

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
H-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Be-7	1.18E+00	1.26E+00	1.14E+00	1.04E+00
Be-10	1.21E+00	1.28E+00	1.17E+00	1.08E+00
C-11	1.18E+00	1.26E+00	1.14E+00	1.03E+00
N-13	1.18E+00	1.26E+00	1.14E+00	1.03E+00
C-14	1.21E+00	1.28E+00	1.17E+00	1.08E+00
O-15	1.18E+00	1.26E+00	1.14E+00	1.03E+00
F-18	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Ne-19	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Na-22	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Na-24	1.11E+00	1.19E+00	1.07E+00	9.58E-01
Al-26	1.15E+00	1.23E+00	1.10E+00	9.97E-01
Al-28	1.12E+00	1.20E+00	1.07E+00	9.65E-01
Mg-28	1.16E+00	1.23E+00	1.12E+00	1.02E+00
Mg-28+D	1.06E+00	1.10E+00	1.04E+00	9.81E-01
P-30	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Si-31	1.14E+00	1.22E+00	1.09E+00	9.86E-01
P-32	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Si-32	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Si-32+D	1.21E+00	1.28E+00	1.17E+00	1.08E+00
P-33	1.21E+00	1.28E+00	1.17E+00	1.08E+00
S-35	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Cl-36	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Ar-37	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cl-38	1.11E+00	1.20E+00	1.07E+00	9.59E-01
K-38	1.14E+00	1.23E+00	1.10E+00	9.95E-01
Ar-39	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Cl-39	1.14E+00	1.22E+00	1.09E+00	9.86E-01
K-40	1.13E+00	1.22E+00	1.09E+00	9.78E-01
Ar-41	1.14E+00	1.22E+00	1.09E+00	9.85E-01
Ca-41	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K-42	1.13E+00	1.21E+00	1.08E+00	9.75E-01
K-43	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Sc-43	1.18E+00	1.26E+00	1.14E+00	1.04E+00
K-44	1.10E+00	1.19E+00	1.06E+00	9.51E-01
Sc-44m	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Sc-44m+D	1.14E+00	1.21E+00	1.11E+00	1.01E+00
Sc-44	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Ti-44	1.22E+00	1.28E+00	1.18E+00	1.09E+00
Ti-44+D	1.15E+00	1.23E+00	1.11E+00	1.01E+00
Ca-45	1.02E+00	1.01E+00	1.04E+00	1.06E+00
K-45	1.13E+00	1.22E+00	1.09E+00	9.84E-01
Ti-45	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Sc-46	1.15E+00	1.24E+00	1.11E+00	9.99E-01
Ca-47	1.14E+00	1.23E+00	1.10E+00	9.88E-01
Ca-47+D	1.02E+00	1.02E+00	1.01E+00	1.01E+00
Sc-47	1.21E+00	1.28E+00	1.17E+00	1.07E+00
V-47	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Cr-48	1.20E+00	1.28E+00	1.16E+00	1.06E+00
Cr-48+D	1.12E+00	1.19E+00	1.09E+00	9.96E-01
Sc-48	1.14E+00	1.23E+00	1.10E+00	9.92E-01
V-48	1.15E+00	1.23E+00	1.10E+00	9.95E-01
Ca-49	1.08E+00	1.16E+00	1.04E+00	9.29E-01
Cr-49	1.19E+00	1.26E+00	1.15E+00	1.04E+00
Sc-49	1.12E+00	1.20E+00	1.08E+00	9.67E-01
V-49	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cr-51	1.20E+00	1.27E+00	1.16E+00	1.05E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Mn-51	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Fe-52	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Fe-52+D	1.11E+00	1.17E+00	1.08E+00	9.99E-01
Mn-52m	1.15E+00	1.23E+00	1.11E+00	9.99E-01
Mn-52	1.14E+00	1.22E+00	1.10E+00	9.87E-01
Mn-53	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn-54	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Co-55	1.15E+00	1.23E+00	1.11E+00	1.00E+00
Fe-55	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-56	1.13E+00	1.21E+00	1.08E+00	9.75E-01
Mn-56	1.13E+00	1.22E+00	1.09E+00	9.79E-01
Ni-56	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Ni-56+D	1.08E+00	1.13E+00	1.05E+00	9.83E-01
Co-57	1.11E+00	1.14E+00	1.11E+00	1.09E+00
Ni-57	1.13E+00	1.22E+00	1.09E+00	9.81E-01
Ni-57+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Co-58m	1.17E+00	1.19E+00	1.17E+00	1.14E+00
Co-58m+D	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Co-58	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Fe-59	1.14E+00	1.23E+00	1.10E+00	9.91E-01
Ni-59	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60m	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Co-60m+D	1.14E+00	1.22E+00	1.09E+00	9.86E-01
Co-60	1.14E+00	1.22E+00	1.09E+00	9.86E-01
Cu-60	1.14E+00	1.22E+00	1.09E+00	9.84E-01
Fe-60	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Fe-60+D	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Co-61	1.21E+00	1.27E+00	1.18E+00	1.08E+00
Cu-61	1.15E+00	1.24E+00	1.11E+00	1.00E+00
Co-62m	1.13E+00	1.22E+00	1.09E+00	9.80E-01
Cu-62	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Zn-62	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Zn-62+D	1.12E+00	1.17E+00	1.09E+00	1.02E+00
Ni-63	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn-63	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Cu-64	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Ga-65	1.16E+00	1.25E+00	1.12E+00	1.02E+00
Ga-65+D	1.04E+00	1.06E+00	1.03E+00	9.98E-01
Ni-65	1.14E+00	1.22E+00	1.09E+00	9.83E-01
Zn-65	1.15E+00	1.23E+00	1.10E+00	9.95E-01
Cu-66	1.15E+00	1.23E+00	1.11E+00	9.98E-01
Ga-66	1.15E+00	1.23E+00	1.10E+00	9.95E-01
Ge-66	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Ge-66+D	1.11E+00	1.17E+00	1.08E+00	9.96E-01
Ni-66	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Ni-66+D	1.15E+00	1.23E+00	1.11E+00	9.98E-01
Cu-67	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Ga-67	1.20E+00	1.28E+00	1.16E+00	1.06E+00
Ge-67	1.15E+00	1.23E+00	1.10E+00	9.95E-01
Ge-67+D	1.02E+00	1.02E+00	1.01E+00	1.01E+00
Ga-68	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Ge-68	1.00E+00	1.00E+00	1.01E+00	1.02E+00
Ge-68+D	1.18E+00	1.26E+00	1.14E+00	1.03E+00
As-69	1.18E+00	1.26E+00	1.14E+00	1.03E+00
As-69+D	1.06E+00	1.09E+00	1.04E+00	9.99E-01
Ge-69	1.15E+00	1.23E+00	1.11E+00	9.98E-01
Zn-69m	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Zn-69	1.19E+00	1.27E+00	1.15E+00	1.04E+00
As-70	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Ga-70	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Se-70	1.16E+00	1.21E+00	1.13E+00	1.05E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Se-70+D	1.13E+00	1.19E+00	1.10E+00	1.02E+00
As-71	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Ge-71	1.00E+00	1.00E+00	1.01E+00	1.02E+00
Zn-71m	1.17E+00	1.25E+00	1.13E+00	1.02E+00
As-72	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Ga-72	1.18E+00	1.25E+00	1.13E+00	1.02E+00
Zn-72	1.18E+00	1.23E+00	1.15E+00	1.08E+00
Zn-72+D	1.17E+00	1.24E+00	1.12E+00	1.02E+00
As-73	1.03E+00	1.04E+00	1.04E+00	1.04E+00
Ga-73	1.15E+00	1.21E+00	1.12E+00	1.05E+00
Se-73m	1.11E+00	1.16E+00	1.10E+00	1.05E+00
Se-73m+D	1.11E+00	1.16E+00	1.09E+00	1.03E+00
Se-73	1.15E+00	1.22E+00	1.12E+00	1.04E+00
As-74	1.18E+00	1.25E+00	1.13E+00	1.03E+00
Br-74m	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Br-74	1.15E+00	1.23E+00	1.10E+00	9.98E-01
Kr-74	1.21E+00	1.27E+00	1.16E+00	1.07E+00
Kr-74+D	1.11E+00	1.17E+00	1.08E+00	9.98E-01
Br-75	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Br-75+D	1.04E+00	1.05E+00	1.03E+00	1.01E+00
Ge-75	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Se-75	1.18E+00	1.24E+00	1.14E+00	1.05E+00
As-76	1.18E+00	1.26E+00	1.13E+00	1.03E+00
Br-76	1.16E+00	1.24E+00	1.12E+00	1.03E+00
Kr-76	1.11E+00	1.14E+00	1.10E+00	1.07E+00
Kr-76+D	1.14E+00	1.20E+00	1.11E+00	1.02E+00
As-77	1.19E+00	1.26E+00	1.15E+00	1.05E+00
Br-77	1.18E+00	1.24E+00	1.14E+00	1.06E+00
Ge-77	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Kr-77	1.17E+00	1.25E+00	1.14E+00	1.04E+00
Kr-77+D	1.04E+00	1.05E+00	1.03E+00	1.01E+00
Se-77m	1.06E+00	1.08E+00	1.06E+00	1.05E+00
As-78	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Ge-78	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Ge-78+D	1.13E+00	1.19E+00	1.09E+00	1.01E+00
Kr-79	1.17E+00	1.24E+00	1.13E+00	1.03E+00
Rb-79	1.18E+00	1.24E+00	1.14E+00	1.06E+00
Rb-79+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Se-79	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Br-80m	1.05E+00	1.06E+00	1.06E+00	1.07E+00
Br-80m+D	1.13E+00	1.19E+00	1.10E+00	1.02E+00
Br-80	1.16E+00	1.23E+00	1.12E+00	1.03E+00
Rb-80	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Sr-80	1.04E+00	1.02E+00	1.06E+00	1.08E+00
Sr-80+D	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Kr-81m	1.10E+00	1.12E+00	1.10E+00	1.07E+00
Kr-81	1.02E+00	1.01E+00	1.04E+00	1.06E+00
Rb-81m	1.04E+00	1.03E+00	1.06E+00	1.08E+00
Rb-81m+D	1.15E+00	1.21E+00	1.12E+00	1.04E+00
Rb-81	1.15E+00	1.21E+00	1.12E+00	1.04E+00
Se-81m	1.05E+00	1.07E+00	1.06E+00	1.05E+00
Se-81m+D	1.08E+00	1.11E+00	1.06E+00	1.01E+00
Se-81	1.18E+00	1.26E+00	1.13E+00	1.03E+00
Sr-81	1.19E+00	1.26E+00	1.15E+00	1.04E+00
Sr-81+D	1.04E+00	1.06E+00	1.03E+00	1.01E+00
Br-82	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Rb-82m	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Rb-82	1.17E+00	1.25E+00	1.13E+00	1.03E+00
Sr-82	1.04E+00	1.02E+00	1.06E+00	1.08E+00
Sr-82+D	1.17E+00	1.25E+00	1.13E+00	1.03E+00
Br-83	1.18E+00	1.26E+00	1.14E+00	1.03E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Br-83+D	1.18	1.26	1.14	1.03
Kr-83m	1.03E+00	1.02E+00	1.05E+00	1.07E+00
Rb-83	1.10E+00	1.13E+00	1.09E+00	1.05E+00
Se-83	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Sr-83	1.15E+00	1.22E+00	1.13E+00	1.04E+00
Sr-83+D	1.03E+00	1.05E+00	1.03E+00	1.02E+00
Br-84	1.15E+00	1.24E+00	1.11E+00	1.00E+00
Rb-84	1.09E+00	1.12E+00	1.08E+00	1.05E+00
Kr-85m	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Kr-85	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Sr-85m	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Sr-85m+D	1.05E+00	1.06E+00	1.05E+00	1.04E+00
Sr-85	1.07E+00	1.09E+00	1.08E+00	1.07E+00
Rb-86	1.15E+00	1.23E+00	1.10E+00	9.96E-01
Y-86m	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Y-86m+D	1.16E+00	1.23E+00	1.13E+00	1.04E+00
Y-86	1.18E+00	1.25E+00	1.14E+00	1.04E+00
Zr-86	1.10E+00	1.11E+00	1.11E+00	1.10E+00
Zr-86+D	1.16E+00	1.23E+00	1.13E+00	1.04E+00
Kr-87	1.15E+00	1.24E+00	1.11E+00	1.00E+00
Rb-87	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Sr-87m	1.16E+00	1.22E+00	1.13E+00	1.06E+00
Y-87	1.08E+00	1.09E+00	1.09E+00	1.08E+00
Y-87+D	1.06E+00	1.09E+00	1.05E+00	1.02E+00
Kr-88	1.18E+00	1.25E+00	1.15E+00	1.06E+00
Kr-88+D	1.03E+00	1.04E+00	1.02E+00	9.90E-01
Nb-88	1.16E+00	1.24E+00	1.12E+00	1.02E+00
Nb-88+D	1.04E+00	1.05E+00	1.03E+00	1.01E+00
Rb-88	1.11E+00	1.20E+00	1.07E+00	9.60E-01
Y-88	1.10E+00	1.16E+00	1.08E+00	1.01E+00
Zr-88	1.09E+00	1.11E+00	1.10E+00	1.09E+00
Zr-88+D	1.09E+00	1.13E+00	1.07E+00	1.01E+00
Nb-89b	1.18E+00	1.25E+00	1.14E+00	1.03E+00
Nb-89b+D	1.05E+00	1.06E+00	1.04E+00	1.03E+00
Nb-89a	1.17E+00	1.24E+00	1.13E+00	1.04E+00
Nb-89a+D	1.04E+00	1.05E+00	1.03E+00	1.02E+00
Rb-89	1.15E+00	1.24E+00	1.11E+00	9.99E-01
Sr-89	1.15E+00	1.24E+00	1.11E+00	1.01E+00
Zr-89	1.11E+00	1.14E+00	1.10E+00	1.06E+00
Mo-90	1.16E+00	1.23E+00	1.12E+00	1.03E+00
Mo-90+D	1.12E+00	1.18E+00	1.09E+00	1.00E+00
Nb-90	1.14E+00	1.23E+00	1.10E+00	1.00E+00
Sr-90	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Sr-90+D	1.06E+00	1.05E+00	1.09E+00	1.11E+00
Y-90m	1.18E+00	1.24E+00	1.14E+00	1.06E+00
Y-90	1.07E+00	1.06E+00	1.09E+00	1.11E+00
Sr-91	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Sr-91+D	1.05E+00	1.06E+00	1.04E+00	1.01E+00
Y-91m	1.17E+00	1.24E+00	1.13E+00	1.04E+00
Y-91	1.14E+00	1.23E+00	1.10E+00	9.89E-01
Sr-92	1.14E+00	1.22E+00	1.09E+00	9.83E-01
Sr-92+D	1.02E+00	1.03E+00	1.02E+00	9.99E-01
Y-92	1.15E+00	1.23E+00	1.10E+00	9.95E-01
Mo-93m	1.15E+00	1.22E+00	1.11E+00	1.01E+00
Mo-93	1.08E+00	1.07E+00	1.10E+00	1.12E+00
Nb-93m	1.08E+00	1.07E+00	1.10E+00	1.12E+00
Tc-93m	1.15E+00	1.21E+00	1.12E+00	1.04E+00
Tc-93m+D	1.07E+00	1.10E+00	1.06E+00	1.02E+00
Tc-93	1.12E+00	1.17E+00	1.10E+00	1.03E+00
Y-93	1.12E+00	1.20E+00	1.07E+00	9.66E-01
Zr-93	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Nb-94	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Ru-94	1.14E+00	1.17E+00	1.13E+00	1.09E+00
Ru-94+D	1.10E+00	1.16E+00	1.08E+00	1.01E+00
Tc-94m	1.14E+00	1.21E+00	1.10E+00	1.01E+00
Tc-94	1.15E+00	1.23E+00	1.12E+00	1.02E+00
Y-94	1.13E+00	1.22E+00	1.09E+00	9.81E-01
Nb-95m	1.10E+00	1.10E+00	1.11E+00	1.11E+00
Nb-95m+D	1.15E+00	1.23E+00	1.11E+00	1.01E+00
Nb-95	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Tc-95m	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Tc-95	1.15E+00	1.22E+00	1.12E+00	1.03E+00
Tc-95+D	1.15	1.22	1.12	1.03
Y-95	1.13E+00	1.22E+00	1.09E+00	9.81E-01
Y-95+D	1.10E+00	1.15E+00	1.08E+00	1.01E+00
Zr-95	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Zr-95+D	1.08E+00	1.11E+00	1.06E+00	1.01E+00
Nb-96	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Tc-96m	1.14E+00	1.18E+00	1.13E+00	1.08E+00
Tc-96m+D	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Tc-96	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Nb-97m	1.16E+00	1.24E+00	1.12E+00	1.02E+00
Nb-97m+D	1.08E+00	1.11E+00	1.06E+00	1.01E+00
Nb-97	1.18E+00	1.25E+00	1.13E+00	1.02E+00
Ru-97	1.16E+00	1.20E+00	1.15E+00	1.09E+00
Tc-97m	1.11E+00	1.10E+00	1.13E+00	1.13E+00
Tc-97	1.10E+00	1.09E+00	1.12E+00	1.13E+00
Zr-97	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Zr-97+D	1.15E+00	1.21E+00	1.11E+00	1.02E+00
Nb-98	1.14E+00	1.23E+00	1.10E+00	9.92E-01
Tc-98	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Mo-99	1.19E+00	1.25E+00	1.16E+00	1.08E+00
Mo-99+D	1.07E+00	1.09E+00	1.06E+00	1.04E+00
Rh-99m	1.15E+00	1.23E+00	1.11E+00	1.01E+00
Rh-99	1.17E+00	1.24E+00	1.14E+00	1.04E+00
Tc-99m	1.19E+00	1.24E+00	1.16E+00	1.09E+00
Tc-99	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Pd-100	1.17E+00	1.20E+00	1.16E+00	1.12E+00
Pd-100+D	1.17E+00	1.24E+00	1.13E+00	1.03E+00
Rh-100	1.18E+00	1.25E+00	1.14E+00	1.04E+00
Mo-101	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Mo-101+D	1.03E+00	1.04E+00	1.03E+00	1.01E+00
Pd-101	1.18E+00	1.25E+00	1.14E+00	1.04E+00
Pd-101+D	1.09E+00	1.11E+00	1.07E+00	1.03E+00
Rh-101m	1.19E+00	1.26E+00	1.15E+00	1.06E+00
Rh-101m+D	1.01E+00	1.01E+00	1.01E+00	1.00E+00
Rh-101	1.19E+00	1.25E+00	1.16E+00	1.08E+00
Tc-101	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Ag-102	1.14E+00	1.22E+00	1.09E+00	9.85E-01
Rh-102m	1.14E+00	1.15E+00	1.15E+00	1.13E+00
Rh-102m+D	1.03E+00	1.04E+00	1.02E+00	1.00E+00
Rh-102	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Ag-103	1.18E+00	1.24E+00	1.16E+00	1.08E+00
Pd-103	1.14E+00	1.14E+00	1.15E+00	1.14E+00
Pd-103+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Rh-103m	1.14E+00	1.14E+00	1.15E+00	1.14E+00
Ru-103	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Ag-104m	1.15E+00	1.23E+00	1.11E+00	1.01E+00
Ag-104m+D	1.07E+00	1.09E+00	1.05E+00	1.01E+00
Ag-104	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Cd-104	1.17E+00	1.22E+00	1.15E+00	1.08E+00
Cd-104+D	1.15E+00	1.22E+00	1.11E+00	1.02E+00



Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Tc-104	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Ag-105	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Rh-105	1.20E+00	1.27E+00	1.16E+00	1.05E+00
Ru-105	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Ru-105+D	1.02E+00	1.02E+00	1.01E+00	1.00E+00
Ag-106m	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Ag-106	1.17E+00	1.23E+00	1.14E+00	1.06E+00
Rh-106m	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Rh-106	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Ru-106	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ru-106+D	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Cd-107	1.16E+00	1.18E+00	1.15E+00	1.12E+00
Pd-107	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rh-107	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Ag-108m	1.18E+00	1.25E+00	1.13E+00	1.03E+00
Ag-108	1.18E+00	1.25E+00	1.13E+00	1.03E+00
Ag-109m	1.16E+00	1.17E+00	1.16E+00	1.14E+00
Cd-109	1.16E+00	1.17E+00	1.16E+00	1.14E+00
In-109	1.18E+00	1.26E+00	1.15E+00	1.05E+00
Pd-109	1.16E+00	1.17E+00	1.16E+00	1.13E+00
Ag-110m	1.19E+00	1.26E+00	1.16E+00	1.07E+00
Ag-110	1.17E+00	1.25E+00	1.13E+00	1.02E+00
In-110b	1.17E+00	1.25E+00	1.13E+00	1.02E+00
In-110a	1.16E+00	1.24E+00	1.12E+00	1.02E+00
Sn-110	1.19E+00	1.23E+00	1.17E+00	1.10E+00
Sn-110+D	1.13E+00	1.19E+00	1.10E+00	1.02E+00
Ag-111	1.20E+00	1.27E+00	1.15E+00	1.05E+00
In-111	1.19E+00	1.23E+00	1.17E+00	1.10E+00
Sn-111	1.15E+00	1.22E+00	1.11E+00	1.02E+00
Sn-111+D	1.08E+00	1.09E+00	1.07E+00	1.04E+00
Ag-112	1.18E+00	1.25E+00	1.13E+00	1.02E+00
In-112	1.17E+00	1.22E+00	1.15E+00	1.08E+00
Cd-113m	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Cd-113	1.21E+00	1.28E+00	1.17E+00	1.08E+00
In-113m	1.18E+00	1.24E+00	1.16E+00	1.08E+00
Sn-113	1.17E+00	1.19E+00	1.17E+00	1.14E+00
Sn-113+D	1.17E+00	1.22E+00	1.14E+00	1.07E+00
In-114m	1.18E+00	1.23E+00	1.16E+00	1.09E+00
In-114	1.15E+00	1.22E+00	1.11E+00	1.02E+00
Ag-115	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Ag-115+D	1.06E+00	1.08E+00	1.05E+00	1.02E+00
Cd-115m	1.15E+00	1.23E+00	1.10E+00	9.95E-01
Cd-115	1.18E+00	1.26E+00	1.14E+00	1.04E+00
Cd-115+D	1.07E+00	1.09E+00	1.06E+00	1.03E+00
In-115m	1.19E+00	1.26E+00	1.16E+00	1.07E+00
In-115	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Sb-115	1.17E+00	1.25E+00	1.14E+00	1.04E+00
In-116m	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Sb-116m	1.15E+00	1.23E+00	1.11E+00	1.01E+00
Sb-116	1.15E+00	1.23E+00	1.12E+00	1.02E+00
Sb-116+D	1.15	1.23	1.12	1.02
Te-116	1.19E+00	1.22E+00	1.18E+00	1.12E+00
Te-116+D	1.15E+00	1.22E+00	1.11E+00	1.02E+00
Cd-117m	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Cd-117m+D	1.04E+00	1.06E+00	1.04E+00	1.01E+00
Cd-117	1.20E+00	1.27E+00	1.16E+00	1.05E+00
Cd-117+D	1.05E+00	1.06E+00	1.04E+00	1.01E+00
In-117m	1.20E+00	1.26E+00	1.16E+00	1.07E+00
In-117m+D	1.14E+00	1.19E+00	1.11E+00	1.04E+00
In-117	1.19E+00	1.26E+00	1.15E+00	1.05E+00
Sb-117	1.19E+00	1.23E+00	1.17E+00	1.11E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Sn-117m	1.19E+00	1.24E+00	1.17E+00	1.11E+00
Sb-118m	1.16E+00	1.23E+00	1.12E+00	1.02E+00
In-119m	1.17E+00	1.21E+00	1.14E+00	1.08E+00
In-119m+D	1.08E+00	1.12E+00	1.06E+00	1.01E+00
In-119	1.16E+00	1.24E+00	1.12E+00	1.02E+00
Sb-119	1.18E+00	1.20E+00	1.17E+00	1.14E+00
Sn-119m	1.18E+00	1.20E+00	1.17E+00	1.14E+00
I-120m	1.16E+00	1.24E+00	1.12E+00	1.01E+00
I-120	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Sb-120b	1.16E+00	1.23E+00	1.13E+00	1.03E+00
Sb-120a	1.18E+00	1.24E+00	1.15E+00	1.07E+00
Xe-120	1.21E+00	1.27E+00	1.18E+00	1.10E+00
Xe-120+D	1.15E+00	1.21E+00	1.11E+00	1.02E+00
I-121	1.18E+00	1.26E+00	1.14E+00	1.04E+00
I-121+D	1.10E+00	1.13E+00	1.08E+00	1.03E+00
Sn-121m	1.19E+00	1.22E+00	1.18E+00	1.13E+00
Sn-121	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Te-121m	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Te-121m+D	1.12E+00	1.16E+00	1.10E+00	1.04E+00
Te-121	1.18E+00	1.25E+00	1.15E+00	1.05E+00
Xe-121	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Xe-121+D	1.06E+00	1.08E+00	1.05E+00	1.02E+00
I-122	1.17E+00	1.25E+00	1.13E+00	1.03E+00
Sb-122	1.18E+00	1.26E+00	1.13E+00	1.03E+00
Xe-122	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Xe-122+D	1.15E+00	1.23E+00	1.12E+00	1.02E+00
I-123	1.20E+00	1.25E+00	1.18E+00	1.10E+00
Sn-123m	1.21E+00	1.27E+00	1.17E+00	1.08E+00
Sn-123	1.15E+00	1.23E+00	1.10E+00	9.95E-01
Te-123m	1.20E+00	1.26E+00	1.18E+00	1.10E+00
Te-123	1.19E+00	1.21E+00	1.18E+00	1.13E+00
Xe-123	1.19E+00	1.26E+00	1.15E+00	1.05E+00
Xe-123+D	1.04E+00	1.04E+00	1.03E+00	1.02E+00
I-124	1.18E+00	1.25E+00	1.13E+00	1.03E+00
Sb-124n	1.17E+00	1.19E+00	1.17E+00	1.14E+00
Sb-124n+D	1.18E+00	1.25E+00	1.13E+00	1.02E+00
Sb-124m	1.18E+00	1.26E+00	1.13E+00	1.03E+00
Sb-124m+D	1.14E+00	1.19E+00	1.10E+00	1.02E+00
Sb-124	1.18E+00	1.25E+00	1.13E+00	1.02E+00
Cs-125	1.17E+00	1.25E+00	1.13E+00	1.03E+00
Cs-125+D	1.05E+00	1.07E+00	1.04E+00	1.02E+00
I-125	1.20E+00	1.23E+00	1.18E+00	1.13E+00
Sb-125	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Sn-125	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Sn-125+D	1.10E+00	1.14E+00	1.08E+00	1.02E+00
Te-125m	1.20E+00	1.23E+00	1.18E+00	1.13E+00
Xe-125	1.19E+00	1.26E+00	1.15E+00	1.06E+00
Xe-125+D	1.02E+00	1.03E+00	1.02E+00	1.02E+00
Ba-126	1.20E+00	1.25E+00	1.17E+00	1.09E+00
Ba-126+D	1.15E+00	1.22E+00	1.12E+00	1.03E+00
Cs-126	1.18E+00	1.26E+00	1.14E+00	1.04E+00
I-126	1.18E+00	1.25E+00	1.14E+00	1.03E+00
Sb-126m	1.18E+00	1.25E+00	1.13E+00	1.02E+00
Sb-126m+D	1.03E+00	1.04E+00	1.02E+00	1.00E+00
Sb-126	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Sn-126	1.21E+00	1.26E+00	1.18E+00	1.10E+00
Sn-126+D	1.17E+00	1.24E+00	1.12E+00	1.02E+00
Cs-127	1.19E+00	1.26E+00	1.15E+00	1.05E+00
Cs-127+D	1.07E+00	1.09E+00	1.06E+00	1.03E+00
Sb-127	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Sn-127	1.21E+00	1.28E+00	1.17E+00	1.08E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Sn-127+D	1.04E+00	1.06E+00	1.03E+00	1.01E+00
Te-127m	1.20E+00	1.23E+00	1.18E+00	1.13E+00
Te-127m+D	1.05E+00	1.07E+00	1.04E+00	1.01E+00
Te-127	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Xe-127	1.20E+00	1.26E+00	1.17E+00	1.08E+00
Ba-128	1.21E+00	1.25E+00	1.18E+00	1.11E+00
Ba-128+D	1.16E+00	1.23E+00	1.12E+00	1.03E+00
Cs-128	1.18E+00	1.25E+00	1.14E+00	1.04E+00
I-128	1.18E+00	1.26E+00	1.14E+00	1.04E+00
Sb-128b	1.18E+00	1.26E+00	1.14E+00	1.04E+00
Sb-128a	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Sn-128	1.18E+00	1.25E+00	1.15E+00	1.05E+00
Sn-128+D	1.12E+00	1.17E+00	1.09E+00	1.01E+00
Cs-129	1.19E+00	1.27E+00	1.15E+00	1.05E+00
I-129	1.21E+00	1.24E+00	1.19E+00	1.13E+00
Sb-129	1.18E+00	1.26E+00	1.13E+00	1.03E+00
Sb-129	1.18	1.26	1.13	1.03
Te-129m	1.20E+00	1.23E+00	1.18E+00	1.13E+00
Te-129m+D	1.08E+00	1.12E+00	1.07E+00	1.02E+00
Te-129	1.18E+00	1.26E+00	1.15E+00	1.04E+00
Xe-129m	1.20E+00	1.24E+00	1.19E+00	1.12E+00
Cs-130	1.17E+00	1.24E+00	1.14E+00	1.04E+00
I-130	1.18E+00	1.25E+00	1.13E+00	1.02E+00
Sb-130	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Ba-131m	1.21E+00	1.27E+00	1.18E+00	1.10E+00
Ba-131m+D	1.17E+00	1.22E+00	1.13E+00	1.05E+00
Ba-131	1.20E+00	1.27E+00	1.16E+00	1.05E+00
Ba-131+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Cs-131	1.20E+00	1.24E+00	1.19E+00	1.13E+00
I-131	1.19E+00	1.27E+00	1.15E+00	1.04E+00
La-131	1.19E+00	1.27E+00	1.15E+00	1.05E+00
La-131+D	1.07E+00	1.10E+00	1.06E+00	1.02E+00
Sb-131	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Sb-131+D	1.06E+00	1.08E+00	1.05E+00	1.02E+00
Te-131m	1.22E+00	1.27E+00	1.18E+00	1.10E+00
Te-131m+D	1.04E+00	1.06E+00	1.03E+00	1.01E+00
Te-131	1.20E+00	1.27E+00	1.16E+00	1.07E+00
Te-131+D	1.08E+00	1.11E+00	1.06E+00	1.02E+00
Xe-131m	1.20E+00	1.24E+00	1.19E+00	1.13E+00
Cs-132	1.18E+00	1.25E+00	1.13E+00	1.02E+00
I-132m	1.17E+00	1.25E+00	1.13E+00	1.02E+00
I-132m+D	1.16E+00	1.22E+00	1.12E+00	1.04E+00
I-132	1.19E+00	1.27E+00	1.15E+00	1.04E+00
La-132	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Te-132	1.21E+00	1.27E+00	1.17E+00	1.08E+00
Te-132+D	1.17E+00	1.24E+00	1.13E+00	1.04E+00
Ba-133m	1.20E+00	1.25E+00	1.17E+00	1.11E+00
Ba-133m+D	1.17E+00	1.22E+00	1.13E+00	1.05E+00
Ba-133	1.20E+00	1.27E+00	1.16E+00	1.06E+00
I-133	1.18E+00	1.26E+00	1.14E+00	1.03E+00
I-133+D	1.01E+00	1.02E+00	1.01E+00	1.01E+00
Te-133m	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Te-133m+D	1.04E+00	1.05E+00	1.03E+00	1.01E+00
Te-133	1.15E+00	1.23E+00	1.10E+00	9.94E-01
Te-133+D	1.07E+00	1.10E+00	1.06E+00	1.02E+00
Xe-133m	1.20E+00	1.24E+00	1.18E+00	1.12E+00
Xe-133m+D	1.10E+00	1.12E+00	1.09E+00	1.06E+00
Xe-133	1.21E+00	1.26E+00	1.18E+00	1.11E+00
Ce-134	1.21E+00	1.25E+00	1.19E+00	1.12E+00
Ce-134+D	1.17E+00	1.25E+00	1.14E+00	1.04E+00
Cs-134m	1.20E+00	1.24E+00	1.18E+00	1.11E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Cs-134m+D	1.16E+00	1.24E+00	1.12E+00	1.02E+00
Cs-134	1.17E+00	1.25E+00	1.12E+00	1.02E+00
I-134	1.18E+00	1.26E+00	1.14E+00	1.03E+00
La-134	1.18E+00	1.26E+00	1.14E+00	1.04E+00
Te-134	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Te-134+D	1.13E+00	1.18E+00	1.10E+00	1.02E+00
Ba-135m	1.21E+00	1.25E+00	1.18E+00	1.11E+00
Ce-135	1.21E+00	1.28E+00	1.16E+00	1.06E+00
Cs-135m	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Cs-135	1.21E+00	1.28E+00	1.17E+00	1.08E+00
I-135	1.20E+00	1.27E+00	1.15E+00	1.05E+00
I-135+D	1.03E+00	1.04E+00	1.02E+00	1.01E+00
La-135	1.20E+00	1.25E+00	1.17E+00	1.09E+00
Xe-135m	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Xe-135m+D	1.07E+00	1.08E+00	1.05E+00	1.02E+00
Xe-135	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Cs-136	1.16E+00	1.24E+00	1.11E+00	1.01E+00
Nd-136	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Nd-136+D	1.13E+00	1.20E+00	1.10E+00	1.01E+00
Pr-136	1.16E+00	1.24E+00	1.11E+00	1.01E+00
Ba-137m	1.18E+00	1.25E+00	1.13E+00	1.03E+00
Ce-137m	1.21E+00	1.27E+00	1.18E+00	1.09E+00
Ce-137m+D	1.07E+00	1.09E+00	1.07E+00	1.04E+00
Ce-137	1.21E+00	1.25E+00	1.18E+00	1.11E+00
Cs-137	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Cs-137+D	1.18E+00	1.25E+00	1.13E+00	1.03E+00
La-137	1.21E+00	1.25E+00	1.19E+00	1.12E+00
Pr-137	1.18E+00	1.26E+00	1.14E+00	1.04E+00
Pr-137+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Cs-138	1.18E+00	1.26E+00	1.14E+00	1.04E+00
La-138	1.14E+00	1.23E+00	1.10E+00	9.94E-01
Nd-138	1.21E+00	1.26E+00	1.18E+00	1.09E+00
Nd-138+D	1.16E+00	1.24E+00	1.13E+00	1.03E+00
Pr-138m	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Pr-138	1.17E+00	1.25E+00	1.13E+00	1.03E+00
Xe-138	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Xe-138+D	1.12E+00	1.17E+00	1.09E+00	1.02E+00
Ba-139	1.19E+00	1.26E+00	1.15E+00	1.06E+00
Ce-139	1.21E+00	1.27E+00	1.18E+00	1.10E+00
Nd-139m	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Nd-139m+D	1.03E+00	1.04E+00	1.03E+00	1.01E+00
Nd-139	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Nd-139+D	1.08E+00	1.09E+00	1.07E+00	1.04E+00
Pr-139	1.20E+00	1.25E+00	1.17E+00	1.08E+00
Pr-139+D	1.11E+00	1.13E+00	1.09E+00	1.05E+00
Ba-140	1.18E+00	1.26E+00	1.14E+00	1.04E+00
Ba-140+D	1.15E+00	1.23E+00	1.12E+00	1.02E+00
La-140	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Ba-141	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Ba-141+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Ce-141	1.21E+00	1.28E+00	1.18E+00	1.09E+00
La-141	1.13E+00	1.22E+00	1.09E+00	9.81E-01
La-141+D	1.12E+00	1.16E+00	1.11E+00	1.05E+00
Nd-141m	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Nd-141m+D	1.02E+00	1.02E+00	1.01E+00	1.01E+00
Nd-141	1.20E+00	1.25E+00	1.17E+00	1.09E+00
Pm-141	1.17E+00	1.26E+00	1.13E+00	1.03E+00
Pm-141+D	1.02E+00	1.02E+00	1.01E+00	1.01E+00
Sm-141m	1.19E+00	1.26E+00	1.15E+00	1.04E+00
Sm-141m+D	1.05E+00	1.06E+00	1.04E+00	1.01E+00
Sm-141	1.15E+00	1.24E+00	1.11E+00	1.00E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Sm-141+D	1.06E+00	1.08E+00	1.05E+00	1.01E+00
Ba-142	1.20E+00	1.27E+00	1.16E+00	1.05E+00
Ba-142+D	1.12E+00	1.17E+00	1.09E+00	1.02E+00
La-142	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Pm-142	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Pr-142m	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pr-142m+D	1.13E+00	1.21E+00	1.08E+00	9.73E-01
Pr-142	1.13E+00	1.21E+00	1.08E+00	9.73E-01
Sm-142	1.21E+00	1.26E+00	1.17E+00	1.09E+00
Sm-142+D	1.16E+00	1.22E+00	1.12E+00	1.03E+00
Ce-143	1.20E+00	1.27E+00	1.16E+00	1.05E+00
La-143	1.16E+00	1.24E+00	1.11E+00	1.00E+00
La-143+D	1.14E+00	1.19E+00	1.11E+00	1.04E+00
Pm-143	1.19E+00	1.26E+00	1.16E+00	1.07E+00
Pr-143	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Ce-144	1.21E+00	1.28E+00	1.18E+00	1.08E+00
Ce-144+D	1.08E+00	1.12E+00	1.05E+00	9.83E-01
Pm-144	1.18E+00	1.25E+00	1.13E+00	1.03E+00
Pr-144m	1.22E+00	1.26E+00	1.18E+00	1.11E+00
Pr-144m+D	1.09E+00	1.15E+00	1.06E+00	9.80E-01
Pr-144	1.12E+00	1.21E+00	1.08E+00	9.72E-01
Eu-145	1.18E+00	1.26E+00	1.13E+00	1.03E+00
Eu-145+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Gd-145	1.12E+00	1.20E+00	1.07E+00	9.66E-01
Gd-145+D	1.07E+00	1.10E+00	1.05E+00	1.01E+00
Pm-145	1.22E+00	1.26E+00	1.19E+00	1.11E+00
Pr-145	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Sm-145	1.22E+00	1.27E+00	1.19E+00	1.11E+00
Sm-145+D	1.06E+00	1.07E+00	1.05E+00	1.03E+00
Eu-146	1.18E+00	1.25E+00	1.13E+00	1.02E+00
Gd-146	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Gd-146+D	1.16E+00	1.22E+00	1.12E+00	1.02E+00
Pm-146	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Sm-146	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Eu-147	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Gd-147	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Gd-147+D	1.04E+00	1.06E+00	1.03E+00	1.00E+00
Nd-147	1.19E+00	1.26E+00	1.14E+00	1.04E+00
Pm-147	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Pr-147	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Pr-147+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Sm-147	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tb-147	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Tb-147+D	1.10E+00	1.13E+00	1.08E+00	1.03E+00
Eu-148	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Gd-148	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pm-148m	1.18E+00	1.26E+00	1.13E+00	1.03E+00
Pm-148	1.15E+00	1.23E+00	1.10E+00	9.97E-01
Eu-149	1.20E+00	1.27E+00	1.17E+00	1.07E+00
Gd-149	1.19E+00	1.26E+00	1.15E+00	1.04E+00
Gd-149+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Nd-149	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Pm-149	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Tb-149	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Tb-149+D	1.05E+00	1.07E+00	1.04E+00	1.01E+00
Eu-150b	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Eu-150a	1.16E+00	1.24E+00	1.11E+00	1.01E+00
Pm-150	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Tb-150	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Gd-151	1.21E+00	1.27E+00	1.17E+00	1.08E+00
Nd-151	1.21E+00	1.28E+00	1.17E+00	1.08E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Nd-151+D	1.05E+00	1.06E+00	1.04E+00	1.02E+00
Pm-151	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Sm-151	1.15E+00	1.15E+00	1.15E+00	1.14E+00
Tb-151	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Tb-151+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Eu-152m	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Eu-152	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Gd-152	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Gd-153	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Sm-153	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Tb-153	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Tb-153+D	1.06E+00	1.07E+00	1.05E+00	1.03E+00
Eu-154	1.21E+00	1.28E+00	1.18E+00	1.08E+00
Tb-154	1.19E+00	1.26E+00	1.14E+00	1.04E+00
Dy-155	1.21E+00	1.28E+00	1.17E+00	1.06E+00
Dy-155+D	1.04E+00	1.05E+00	1.03E+00	1.02E+00
Eu-155	1.22E+00	1.28E+00	1.18E+00	1.09E+00
Ho-155	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Ho-155+D	1.13E+00	1.16E+00	1.10E+00	1.04E+00
Sm-155	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Sm-155+D	1.07E+00	1.09E+00	1.06E+00	1.03E+00
Tb-155	1.21E+00	1.28E+00	1.18E+00	1.08E+00
Eu-156	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Sm-156	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Sm-156+D	1.17E+00	1.24E+00	1.13E+00	1.04E+00
Tb-156m	1.22E+00	1.27E+00	1.19E+00	1.10E+00
Tb-156m+D	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Tb-156n	1.22E+00	1.27E+00	1.19E+00	1.10E+00
Tb-156n+D	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Tb-156	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Dy-157	1.20E+00	1.27E+00	1.16E+00	1.05E+00
Eu-157	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Ho-157	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Ho-157+D	1.07E+00	1.10E+00	1.06E+00	1.02E+00
Tb-157	1.22E+00	1.27E+00	1.19E+00	1.11E+00
Eu-158	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Tb-158	1.16E+00	1.24E+00	1.11E+00	1.01E+00
Dy-159	1.22E+00	1.27E+00	1.19E+00	1.11E+00
Gd-159	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Ho-159	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Ho-159+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Tb-160	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Er-161	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Er-161+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Ho-161	1.21E+00	1.26E+00	1.18E+00	1.10E+00
Tb-161	1.21E+00	1.27E+00	1.18E+00	1.10E+00
Ho-162m	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Ho-162m+D	1.02E+00	1.03E+00	1.02E+00	1.00E+00
Ho-162	1.17E+00	1.25E+00	1.13E+00	1.03E+00
Tm-162	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Yb-162	1.21E+00	1.28E+00	1.18E+00	1.08E+00
Yb-162+D	1.16E+00	1.24E+00	1.13E+00	1.03E+00
Ho-164m	1.22E+00	1.27E+00	1.19E+00	1.10E+00
Ho-164m+D	1.08E+00	1.09E+00	1.07E+00	1.04E+00
Ho-164	1.22E+00	1.28E+00	1.18E+00	1.10E+00
Dy-165	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Er-165	1.22E+00	1.27E+00	1.19E+00	1.10E+00
Dy-166	1.22E+00	1.27E+00	1.18E+00	1.09E+00
Dy-166+D	1.07E+00	1.09E+00	1.06E+00	1.02E+00
Ho-166m	1.20E+00	1.27E+00	1.16E+00	1.05E+00
Ho-166	1.18E+00	1.25E+00	1.14E+00	1.05E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Tm-166	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Yb-166	1.22E+00	1.28E+00	1.18E+00	1.10E+00
Yb-166+D	1.19E+00	1.26E+00	1.15E+00	1.06E+00
Ho-167	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Tm-167	1.21E+00	1.27E+00	1.17E+00	1.08E+00
Yb-167	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Yb-167+D	1.07E+00	1.08E+00	1.05E+00	1.03E+00
Er-169	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Lu-169	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Lu-169+D	1.04E+00	1.05E+00	1.04E+00	1.02E+00
Yb-169	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Hf-170	1.22E+00	1.27E+00	1.18E+00	1.09E+00
Hf-170+D	1.16E+00	1.21E+00	1.14E+00	1.07E+00
Lu-170	1.21E+00	1.27E+00	1.18E+00	1.09E+00
Tm-170	1.22E+00	1.28E+00	1.18E+00	1.09E+00
Er-171	1.20E+00	1.27E+00	1.16E+00	1.05E+00
Lu-171	1.20E+00	1.26E+00	1.17E+00	1.09E+00
Tm-171	1.22E+00	1.27E+00	1.18E+00	1.10E+00
Er-172	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Er-172+D	1.08E+00	1.11E+00	1.06E+00	1.02E+00
Hf-172	1.21E+00	1.27E+00	1.18E+00	1.09E+00
Hf-172+D	1.19E+00	1.26E+00	1.16E+00	1.06E+00
Lu-172	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Ta-172	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Ta-172+D	1.11E+00	1.14E+00	1.09E+00	1.04E+00
Tm-172	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Hf-173	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Hf-173+D	1.04E+00	1.05E+00	1.03E+00	1.01E+00
Lu-173	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Ta-173	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Ta-173+D	1.09E+00	1.11E+00	1.07E+00	1.03E+00
Tm-173	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Lu-174m	1.21E+00	1.27E+00	1.18E+00	1.09E+00
Lu-174m+D	1.12E+00	1.16E+00	1.10E+00	1.04E+00
Lu-174	1.19E+00	1.25E+00	1.15E+00	1.06E+00
Ta-174	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Hf-175	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Ta-175	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Ta-175+D	1.05E+00	1.07E+00	1.04E+00	1.01E+00
Tm-175	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Yb-175	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Lu-176m	1.20E+00	1.26E+00	1.17E+00	1.09E+00
Lu-176	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Ta-176	1.21E+00	1.27E+00	1.17E+00	1.08E+00
W-176	1.21E+00	1.28E+00	1.18E+00	1.09E+00
W-176+D	1.19E+00	1.24E+00	1.15E+00	1.08E+00
Hf-177m	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Lu-177m	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Lu-177	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Re-177	1.18E+00	1.26E+00	1.14E+00	1.04E+00
Re-177+D	1.12E+00	1.15E+00	1.10E+00	1.05E+00
Ta-177	1.21E+00	1.27E+00	1.17E+00	1.08E+00
W-177	1.21E+00	1.28E+00	1.17E+00	1.07E+00
W-177+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Yb-177	1.18E+00	1.25E+00	1.14E+00	1.03E+00
Yb-177+D	1.03E+00	1.04E+00	1.02E+00	1.01E+00
Hf-178m	1.19E+00	1.26E+00	1.14E+00	1.04E+00
Lu-178m	1.20E+00	1.27E+00	1.16E+00	1.05E+00
Lu-178	1.14E+00	1.22E+00	1.09E+00	9.87E-01
Re-178	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Re-178+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ta-178b	1.20E+00	1.27E+00	1.16E+00	1.05E+00
Ta-178a	1.18E+00	1.25E+00	1.14E+00	1.05E+00
W-178	1.14E+00	1.17E+00	1.12E+00	1.07E+00
W-178+D	1.16E+00	1.22E+00	1.12E+00	1.04E+00
Yb-178	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Yb-178+D	1.11E+00	1.17E+00	1.07E+00	9.90E-01
Hf-179m	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Lu-179	1.20E+00	1.27E+00	1.16E+00	1.05E+00
Ta-179	1.19E+00	1.24E+00	1.16E+00	1.09E+00
W-179	1.20E+00	1.24E+00	1.17E+00	1.11E+00
W-179+D	1.06E+00	1.07E+00	1.05E+00	1.03E+00
Hf-180m	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Os-180	1.16E+00	1.19E+00	1.14E+00	1.09E+00
Os-180+D	1.15E+00	1.23E+00	1.11E+00	1.01E+00
Re-180	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Ta-180m	1.21E+00	1.27E+00	1.18E+00	1.09E+00
Ta-180	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Hf-181	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Os-181	1.21E+00	1.27E+00	1.16E+00	1.06E+00
Os-181+D	1.08E+00	1.09E+00	1.06E+00	1.03E+00
Re-181	1.21E+00	1.27E+00	1.18E+00	1.09E+00
Re-181+D	1.01E+00	1.01E+00	1.01E+00	1.00E+00
W-181	1.20E+00	1.25E+00	1.17E+00	1.09E+00
Hf-182m	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Hf-182	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Hf-182+D	1.17E+00	1.22E+00	1.14E+00	1.06E+00
Ir-182	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Ir-182+D	1.10E+00	1.13E+00	1.08E+00	1.04E+00
Os-182	1.19E+00	1.24E+00	1.16E+00	1.08E+00
Os-182+D	1.14E+00	1.19E+00	1.12E+00	1.05E+00
Re-182b	1.21E+00	1.28E+00	1.18E+00	1.09E+00
Re-182a	1.21E+00	1.27E+00	1.17E+00	1.07E+00
Ta-182m	1.21E+00	1.27E+00	1.17E+00	1.07E+00
Ta-182m+D	1.17E+00	1.22E+00	1.14E+00	1.06E+00
Ta-182	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Hf-183	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Hf-183+D	1.05E+00	1.07E+00	1.04E+00	1.02E+00
Ta-183	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Hf-184	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Hf-184+D	1.17E+00	1.23E+00	1.14E+00	1.05E+00
Ir-184	1.19E+00	1.25E+00	1.16E+00	1.08E+00
Re-184m	1.21E+00	1.26E+00	1.17E+00	1.09E+00
Re-184m+D	1.11E+00	1.15E+00	1.09E+00	1.03E+00
Re-184	1.19E+00	1.26E+00	1.14E+00	1.04E+00
Ta-184	1.21E+00	1.28E+00	1.16E+00	1.06E+00
Ir-185	1.19E+00	1.25E+00	1.16E+00	1.09E+00
Ir-185+D	1.09E+00	1.13E+00	1.07E+00	1.01E+00
Os-185	1.17E+00	1.25E+00	1.13E+00	1.02E+00
Ta-185	1.21E+00	1.28E+00	1.17E+00	1.07E+00
W-185	1.19E+00	1.25E+00	1.16E+00	1.08E+00
Ir-186a	1.19E+00	1.25E+00	1.16E+00	1.08E+00
Ir-186b	1.17E+00	1.25E+00	1.13E+00	1.03E+00
Pt-186	1.17E+00	1.24E+00	1.13E+00	1.03E+00
Pt-186+D	1.09E+00	1.13E+00	1.07E+00	1.01E+00
Re-186m	1.07E+00	1.09E+00	1.07E+00	1.05E+00
Re-186m+D	1.11E+00	1.14E+00	1.09E+00	1.05E+00
Re-186	1.20E+00	1.25E+00	1.17E+00	1.09E+00
Ta-186	1.21E+00	1.28E+00	1.16E+00	1.06E+00
Ir-187	1.18E+00	1.22E+00	1.15E+00	1.08E+00
Re-187	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W-187	1.20E+00	1.27E+00	1.17E+00	1.08E+00



Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ir-188	1.18E+00	1.25E+00	1.15E+00	1.05E+00
Pt-188	1.20E+00	1.27E+00	1.17E+00	1.07E+00
Pt-188+D	1.16E+00	1.22E+00	1.13E+00	1.05E+00
Re-188m	1.18E+00	1.24E+00	1.16E+00	1.08E+00
Re-188m+D	1.08E+00	1.10E+00	1.06E+00	1.02E+00
Re-188	1.19E+00	1.26E+00	1.15E+00	1.05E+00
W-188	1.20E+00	1.27E+00	1.16E+00	1.06E+00
W-188+D	1.18E+00	1.25E+00	1.14E+00	1.05E+00
Ir-189	1.20E+00	1.25E+00	1.16E+00	1.09E+00
Os-189m	1.01E+00	1.00E+00	1.02E+00	1.03E+00
Pt-189	1.19E+00	1.25E+00	1.16E+00	1.08E+00
Pt-189+D	1.03E+00	1.04E+00	1.03E+00	1.02E+00
Re-189	1.21E+00	1.27E+00	1.16E+00	1.07E+00
Ir-190n	1.19E+00	1.24E+00	1.16E+00	1.09E+00
Ir-190m	1.01E+00	1.01E+00	1.02E+00	1.04E+00
Ir-190m+D	1.20E+00	1.27E+00	1.16E+00	1.07E+00
Ir-190	1.20E+00	1.27E+00	1.16E+00	1.07E+00
Os-190m	1.18E+00	1.26E+00	1.14E+00	1.04E+00
Ir-191m	1.19E+00	1.24E+00	1.16E+00	1.08E+00
Os-191m	1.09E+00	1.11E+00	1.08E+00	1.06E+00
Os-191m+D	1.17E+00	1.22E+00	1.14E+00	1.07E+00
Os-191	1.19E+00	1.24E+00	1.16E+00	1.08E+00
Pt-191	1.20E+00	1.26E+00	1.17E+00	1.08E+00
Ir-192m	1.21E+00	1.28E+00	1.17E+00	1.07E+00
Ir-192m+D	1.15E+00	1.19E+00	1.13E+00	1.07E+00
Ir-192	1.19E+00	1.23E+00	1.16E+00	1.09E+00
Au-193	1.19E+00	1.25E+00	1.16E+00	1.09E+00
Hg-193m	1.16E+00	1.19E+00	1.14E+00	1.09E+00
Hg-193m+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Hg-193	1.18E+00	1.23E+00	1.15E+00	1.07E+00
Hg-193+D	1.08E+00	1.10E+00	1.07E+00	1.04E+00
Os-193	1.20E+00	1.26E+00	1.16E+00	1.08E+00
Pt-193m	1.11E+00	1.13E+00	1.10E+00	1.07E+00
Pt-193	1.02E+00	1.01E+00	1.03E+00	1.05E+00
Au-194	1.18E+00	1.23E+00	1.16E+00	1.08E+00
Hg-194	1.02E+00	1.01E+00	1.04E+00	1.06E+00
Hg-194+D	1.18E+00	1.23E+00	1.15E+00	1.08E+00
Ir-194m	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Ir-194	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Os-194	1.05E+00	1.05E+00	1.06E+00	1.06E+00
Os-194+D	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Tl-194m	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Tl-194	1.18E+00	1.25E+00	1.14E+00	1.03E+00
Au-195m	1.20E+00	1.26E+00	1.16E+00	1.06E+00
Au-195m+D	1.04E+00	1.05E+00	1.04E+00	1.02E+00
Au-195	1.16E+00	1.21E+00	1.14E+00	1.08E+00
Hg-195m	1.05E+00	1.04E+00	1.06E+00	1.08E+00
Hg-195m+D	1.08E+00	1.10E+00	1.07E+00	1.04E+00
Hg-195	1.17E+00	1.22E+00	1.14E+00	1.08E+00
Hg-195+D	1.04E+00	1.05E+00	1.04E+00	1.02E+00
Ir-195m	1.04E+00	1.04E+00	1.05E+00	1.06E+00
Ir-195	1.17E+00	1.22E+00	1.15E+00	1.08E+00
Pb-195m	1.19E+00	1.26E+00	1.15E+00	1.05E+00
Pb-195m+D	1.08E+00	1.10E+00	1.07E+00	1.04E+00
Pt-195m	1.17E+00	1.22E+00	1.15E+00	1.08E+00
Tl-195	1.19E+00	1.24E+00	1.16E+00	1.08E+00
Tl-195+D	1.03E+00	1.03E+00	1.02E+00	1.01E+00
Hg-197m	1.14E+00	1.17E+00	1.12E+00	1.08E+00
Hg-197m+D	1.06E+00	1.07E+00	1.05E+00	1.03E+00
Hg-197	1.15E+00	1.18E+00	1.13E+00	1.08E+00
Pt-197m	1.18E+00	1.22E+00	1.15E+00	1.09E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Pt-197m+D	1.03E+00	1.03E+00	1.02E+00	1.01E+00
Pt-197	1.14E+00	1.17E+00	1.12E+00	1.07E+00
Tl-197	1.19E+00	1.25E+00	1.16E+00	1.07E+00
Tl-197+D	1.02E+00	1.02E+00	1.02E+00	1.01E+00
Au-198m	1.20E+00	1.27E+00	1.16E+00	1.07E+00
Au-198m+D	1.07E+00	1.10E+00	1.06E+00	1.02E+00
Au-198	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Pb-198	1.19E+00	1.25E+00	1.16E+00	1.07E+00
Pb-198+D	1.14E+00	1.17E+00	1.11E+00	1.06E+00
Tl-198m	1.10E+00	1.11E+00	1.10E+00	1.08E+00
Tl-198m+D	1.07E+00	1.09E+00	1.06E+00	1.03E+00
Tl-198	1.17E+00	1.22E+00	1.15E+00	1.08E+00
Au-199	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Hg-199m	1.19E+00	1.25E+00	1.15E+00	1.07E+00
Pb-199	1.16E+00	1.20E+00	1.14E+00	1.08E+00
Pb-199+D	1.03E+00	1.03E+00	1.02E+00	1.01E+00
Pt-199	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Pt-199+D	1.05E+00	1.07E+00	1.04E+00	1.02E+00
Tl-199	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Au-200m	1.11E+00	1.13E+00	1.10E+00	1.08E+00
Au-200	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Bi-200	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Bi-200+D	1.06E+00	1.07E+00	1.05E+00	1.03E+00
Pb-200	1.19E+00	1.25E+00	1.16E+00	1.08E+00
Pb-200+D	1.15E+00	1.18E+00	1.12E+00	1.07E+00
Pt-200	1.18E+00	1.23E+00	1.15E+00	1.08E+00
Pt-200+D	1.15E+00	1.21E+00	1.12E+00	1.04E+00
Tl-200	1.17E+00	1.22E+00	1.15E+00	1.08E+00
Au-201	1.18E+00	1.25E+00	1.14E+00	1.05E+00
Bi-201	1.16E+00	1.23E+00	1.12E+00	1.01E+00
Bi-201+D	1.06E+00	1.07E+00	1.05E+00	1.03E+00
Pb-201	1.16E+00	1.20E+00	1.14E+00	1.08E+00
Pb-201+D	1.02E+00	1.02E+00	1.02E+00	1.01E+00
Tl-201	1.19E+00	1.25E+00	1.16E+00	1.08E+00
Bi-202	1.17E+00	1.22E+00	1.15E+00	1.08E+00
Pb-202m	1.06E+00	1.06E+00	1.07E+00	1.08E+00
Pb-202	1.01E+00	1.01E+00	1.03E+00	1.04E+00
Pb-202+D	1.18E+00	1.25E+00	1.14E+00	1.05E+00
Tl-202	1.18E+00	1.25E+00	1.15E+00	1.05E+00
Bi-203	1.17E+00	1.22E+00	1.15E+00	1.08E+00
Bi-203+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Hg-203	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Pb-203	1.19E+00	1.25E+00	1.15E+00	1.06E+00
Po-203	1.19E+00	1.24E+00	1.15E+00	1.07E+00
Po-203+D	1.10E+00	1.13E+00	1.09E+00	1.05E+00
Tl-204	1.15E+00	1.19E+00	1.13E+00	1.08E+00
Bi-205	1.16E+00	1.19E+00	1.14E+00	1.08E+00
Pb-205	1.01E+00	1.01E+00	1.03E+00	1.04E+00
Po-205	1.17E+00	1.22E+00	1.15E+00	1.08E+00
Po-205+D	1.07E+00	1.09E+00	1.06E+00	1.04E+00
Bi-206	1.18E+00	1.23E+00	1.15E+00	1.07E+00
Tl-206	1.16E+00	1.21E+00	1.13E+00	1.06E+00
At-207	1.18E+00	1.24E+00	1.15E+00	1.07E+00
At-207+D	1.08E+00	1.10E+00	1.07E+00	1.04E+00
Bi-207	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Po-207	1.16E+00	1.20E+00	1.14E+00	1.08E+00
Tl-207	1.16E+00	1.24E+00	1.11E+00	1.01E+00
Tl-208	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Pb-209	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Tl-209	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Bi-210m	1.20E+00	1.27E+00	1.15E+00	1.05E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Bi-210	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Pb-210	1.05E+00	1.05E+00	1.07E+00	1.08E+00
Pb-210+D	1.06E+00	1.08E+00	1.05E+00	1.02E+00
Po-210	1.16E+00	1.25E+00	1.12E+00	1.01E+00
At-211	1.05E+00	1.04E+00	1.07E+00	1.09E+00
At-211+D	1.02E+00	1.03E+00	1.01E+00	1.00E+00
Bi-211	1.19E+00	1.27E+00	1.15E+00	1.05E+00
Bi-211+D	1.01E+00	1.01E+00	1.01E+00	1.00E+00
Pb-211	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Pb-211+D	1.09E+00	1.12E+00	1.07E+00	1.02E+00
Po-211	1.17E+00	1.25E+00	1.12E+00	1.02E+00
Bi-212	1.09E+00	1.10E+00	1.10E+00	1.09E+00
Bi-212+D	1.15E+00	1.22E+00	1.11E+00	1.03E+00
Pb-212	1.20E+00	1.26E+00	1.16E+00	1.06E+00
Pb-212+D	1.15E+00	1.21E+00	1.12E+00	1.03E+00
Po-212	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Bi-213	1.05E+00	1.04E+00	1.07E+00	1.09E+00
Bi-213+D	1.04E+00	1.06E+00	1.03E+00	1.00E+00
Po-213	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Po-213+D	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Bi-214	1.18E+00	1.24E+00	1.15E+00	1.06E+00
Pb-214	1.19E+00	1.25E+00	1.15E+00	1.07E+00
Pb-214+D	1.15E+00	1.20E+00	1.12E+00	1.05E+00
Po-214	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Po-214+D	1.10E+00	1.12E+00	1.10E+00	1.08E+00
At-215	1.19E+00	1.27E+00	1.15E+00	1.04E+00
At-215+D	1.19E+00	1.26E+00	1.15E+00	1.05E+00
Po-215	1.19E+00	1.27E+00	1.15E+00	1.04E+00
Po-215+D	1.19E+00	1.27E+00	1.15E+00	1.05E+00
At-216	1.17E+00	1.22E+00	1.15E+00	1.08E+00
At-216+D	1.17E+00	1.24E+00	1.13E+00	1.04E+00
Po-216	1.16E+00	1.25E+00	1.12E+00	1.01E+00
Po-216+D	1.17E+00	1.24E+00	1.13E+00	1.04E+00
At-217	1.19E+00	1.26E+00	1.14E+00	1.04E+00
At-217+D	1.07E+00	1.08E+00	1.08E+00	1.07E+00
At-218	1.06E+00	1.05E+00	1.07E+00	1.08E+00
At-218+D	1.18E+00	1.24E+00	1.15E+00	1.06E+00
Po-218	1.16E+00	1.24E+00	1.12E+00	1.01E+00
Po-218+D	1.18E+00	1.24E+00	1.15E+00	1.07E+00
Rn-218	1.18E+00	1.26E+00	1.13E+00	1.03E+00
Rn-218+D	1.08E+00	1.10E+00	1.08E+00	1.07E+00
Fr-219	1.19E+00	1.26E+00	1.15E+00	1.05E+00
Fr-219+D	1.18E+00	1.24E+00	1.14E+00	1.04E+00
Rn-219	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Rn-219+D	1.11E+00	1.16E+00	1.09E+00	1.03E+00
Fr-220	1.13E+00	1.16E+00	1.12E+00	1.09E+00
Fr-220+D	1.17E+00	1.23E+00	1.13E+00	1.04E+00
Rn-220	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Rn-220+D	1.17E+00	1.24E+00	1.13E+00	1.04E+00
Fr-221	1.21E+00	1.27E+00	1.16E+00	1.07E+00
Fr-221+D	1.06E+00	1.07E+00	1.07E+00	1.06E+00
Fr-222	1.21E+00	1.28E+00	1.17E+00	1.08E+00
Fr-222+D	1.13E+00	1.17E+00	1.11E+00	1.05E+00
Ra-222	1.20E+00	1.27E+00	1.15E+00	1.05E+00
Ra-222+D	1.03E+00	1.04E+00	1.03E+00	1.02E+00
Rn-222	1.18E+00	1.26E+00	1.14E+00	1.03E+00
Rn-222+D	1.18E+00	1.24E+00	1.15E+00	1.07E+00
Ac-223	1.08E+00	1.09E+00	1.09E+00	1.09E+00
Ac-223+D	1.17E+00	1.24E+00	1.14E+00	1.04E+00
Fr-223	1.19E+00	1.23E+00	1.16E+00	1.10E+00
Fr-223+D	1.15E+00	1.19E+00	1.12E+00	1.06E+00

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
Ra-223	1.17E+00	1.21E+00	1.15E+00	1.09E+00
Ra-223+D	1.10E+00	1.13E+00	1.08E+00	1.03E+00
Ac-224	1.07E+00	1.06E+00	1.09E+00	1.11E+00
Ac-224+D	1.15E+00	1.21E+00	1.12E+00	1.04E+00
Ra-224	1.20E+00	1.27E+00	1.16E+00	1.06E+00
Ra-224+D	1.17E+00	1.24E+00	1.13E+00	1.04E+00
Ac-225	1.12E+00	1.13E+00	1.12E+00	1.10E+00
Ac-225+D	1.09E+00	1.10E+00	1.09E+00	1.07E+00
Ra-225	1.17E+00	1.20E+00	1.16E+00	1.11E+00
Ra-225+D	1.09E+00	1.11E+00	1.09E+00	1.07E+00
Ac-226	1.09E+00	1.08E+00	1.11E+00	1.12E+00
Ac-226+D	1.02E+00	1.02E+00	1.01E+00	1.01E+00
Ra-226	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Ra-226+D	1.18E+00	1.24E+00	1.15E+00	1.07E+00
Th-226	1.17E+00	1.21E+00	1.15E+00	1.08E+00
Th-226+D	1.10E+00	1.13E+00	1.08E+00	1.04E+00
Ac-227	1.08E+00	1.07E+00	1.10E+00	1.12E+00
Ac-227+D	1.18E+00	1.23E+00	1.15E+00	1.08E+00
Pa-227	1.09E+00	1.08E+00	1.11E+00	1.12E+00
Pa-227+D	1.15E+00	1.20E+00	1.12E+00	1.05E+00
Ra-227	1.16E+00	1.18E+00	1.15E+00	1.11E+00
Ra-227+D	1.12E+00	1.16E+00	1.10E+00	1.05E+00
Th-227	1.17E+00	1.21E+00	1.16E+00	1.10E+00
Th-227+D	1.13E+00	1.17E+00	1.11E+00	1.05E+00
Ac-228	1.14E+00	1.16E+00	1.13E+00	1.10E+00
Ac-228+D	1.10E+00	1.13E+00	1.08E+00	1.02E+00
Pa-228	1.09E+00	1.08E+00	1.11E+00	1.12E+00
Pa-228+D	1.09E+00	1.13E+00	1.07E+00	1.02E+00
Ra-228	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228+D	1.16E+00	1.21E+00	1.13E+00	1.06E+00
Th-228	1.10E+00	1.11E+00	1.11E+00	1.10E+00
Th-228+D	1.17E+00	1.24E+00	1.13E+00	1.04E+00
Th-229	1.18E+00	1.22E+00	1.15E+00	1.09E+00
Th-229+D	1.07E+00	1.08E+00	1.07E+00	1.05E+00
Pa-230	1.10E+00	1.09E+00	1.12E+00	1.13E+00
Th-230	1.07E+00	1.06E+00	1.09E+00	1.10E+00
U-230	1.10E+00	1.10E+00	1.11E+00	1.11E+00
U-230+D	1.15E+00	1.20E+00	1.13E+00	1.06E+00
Pa-231	1.14E+00	1.14E+00	1.14E+00	1.12E+00
Th-231	1.15E+00	1.16E+00	1.15E+00	1.12E+00
U-231	1.18E+00	1.22E+00	1.16E+00	1.10E+00
Np-232	1.19E+00	1.26E+00	1.15E+00	1.06E+00
Pa-232	1.17E+00	1.22E+00	1.15E+00	1.09E+00
Th-232	1.07E+00	1.06E+00	1.09E+00	1.10E+00
U-232	1.08E+00	1.07E+00	1.10E+00	1.11E+00
U-232+D	1.17E+00	1.24E+00	1.13E+00	1.04E+00
Np-233	1.18E+00	1.24E+00	1.16E+00	1.09E+00
Pa-233	1.19E+00	1.24E+00	1.16E+00	1.09E+00
U-233	1.09E+00	1.08E+00	1.10E+00	1.11E+00
Np-234	1.15E+00	1.19E+00	1.15E+00	1.10E+00
Pa-234m	1.11E+00	1.10E+00	1.12E+00	1.13E+00
Pa-234m+D	1.02E+00	1.03E+00	1.02E+00	1.01E+00
Pa-234	1.17E+00	1.22E+00	1.16E+00	1.10E+00
Pu-234	1.12E+00	1.11E+00	1.13E+00	1.13E+00
Pu-234+D	1.15E+00	1.18E+00	1.14E+00	1.10E+00
Th-234	1.18E+00	1.23E+00	1.16E+00	1.10E+00
Th-234+D	1.09E+00	1.09E+00	1.09E+00	1.08E+00
U-234	1.08E+00	1.07E+00	1.10E+00	1.11E+00
Np-235	1.09E+00	1.08E+00	1.11E+00	1.12E+00
Pu-235	1.17E+00	1.22E+00	1.16E+00	1.09E+00
Pu-235+D	1.17	1.22	1.16	1.09

Nuclide	Ratio			
	Average	Center	Mid Wall	Corner
U-235	1.17E+00	1.21E+00	1.15E+00	1.10E+00
U-235+D	1.01E+00	1.02E+00	1.01E+00	1.01E+00
Np-236a	1.11E+00	1.10E+00	1.13E+00	1.13E+00
Np-236b	1.11E+00	1.11E+00	1.13E+00	1.13E+00
Pu-236	1.09E+00	1.08E+00	1.11E+00	1.12E+00
U-236	1.08E+00	1.07E+00	1.10E+00	1.11E+00
Am-237	1.19E+00	1.25E+00	1.17E+00	1.09E+00
Am-237+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Np-237	1.16E+00	1.19E+00	1.15E+00	1.11E+00
Np-237+D	1.16E+00	1.20E+00	1.14E+00	1.08E+00
Pu-237	1.12E+00	1.11E+00	1.13E+00	1.13E+00
U-237	1.19E+00	1.24E+00	1.17E+00	1.10E+00
Am-238	1.18E+00	1.22E+00	1.16E+00	1.09E+00
Cm-238	1.17E+00	1.22E+00	1.16E+00	1.10E+00
Cm-238+D	1.16E+00	1.20E+00	1.14E+00	1.09E+00
Np-238	1.11E+00	1.11E+00	1.12E+00	1.12E+00
Pu-238	1.09E+00	1.08E+00	1.11E+00	1.12E+00
U-238	1.08E+00	1.07E+00	1.10E+00	1.11E+00
U-238+D	1.14E+00	1.16E+00	1.14E+00	1.11E+00
Am-239	1.12E+00	1.11E+00	1.13E+00	1.13E+00
Np-239	1.20E+00	1.25E+00	1.17E+00	1.09E+00
Pu-239	1.09E+00	1.08E+00	1.11E+00	1.12E+00
U-239	1.20E+00	1.24E+00	1.17E+00	1.10E+00
U-239+D	1.14E+00	1.18E+00	1.12E+00	1.07E+00
Am-240	1.16E+00	1.19E+00	1.15E+00	1.10E+00
Cm-240	1.11E+00	1.10E+00	1.12E+00	1.13E+00
Cm-240+D	1.04E+00	1.04E+00	1.05E+00	1.05E+00
Np-240m	1.14E+00	1.16E+00	1.14E+00	1.10E+00
Np-240	1.17E+00	1.21E+00	1.15E+00	1.09E+00
Pu-240	1.09E+00	1.08E+00	1.11E+00	1.12E+00
U-240	1.11E+00	1.10E+00	1.12E+00	1.12E+00
U-240+D	1.14E+00	1.16E+00	1.13E+00	1.10E+00
Am-241	1.19E+00	1.23E+00	1.17E+00	1.10E+00
Cm-241	1.13E+00	1.13E+00	1.14E+00	1.14E+00
Pu-241	1.14E+00	1.16E+00	1.14E+00	1.11E+00
Pu-241+D	1.11E+00	1.14E+00	1.10E+00	1.06E+00
Am-242m	1.13E+00	1.13E+00	1.14E+00	1.14E+00
Am-242m+D	1.11E+00	1.11E+00	1.12E+00	1.11E+00
Am-242	1.14E+00	1.13E+00	1.14E+00	1.14E+00
Am-242	1.14	1.13	1.14	1.14
Cm-242	1.11E+00	1.10E+00	1.12E+00	1.13E+00
Pu-242	1.09E+00	1.08E+00	1.11E+00	1.12E+00
Am-243	1.20E+00	1.25E+00	1.17E+00	1.10E+00
Am-243+D	1.14E+00	1.18E+00	1.12E+00	1.07E+00
Cm-243	1.19E+00	1.25E+00	1.17E+00	1.09E+00
Pu-243	1.20E+00	1.25E+00	1.17E+00	1.10E+00
Am-244m	1.12E+00	1.12E+00	1.13E+00	1.13E+00
Am-244m+D	1.02E+00	1.02E+00	1.03E+00	1.03E+00
Am-244	1.16E+00	1.24E+00	1.13E+00	1.03E+00
Cf-244	1.12E+00	1.12E+00	1.13E+00	1.13E+00
Cf-244+D	1.06E+00	1.06E+00	1.07E+00	1.08E+00
Cm-244	1.10E+00	1.10E+00	1.12E+00	1.13E+00
Pu-244	2.23E+00	2.33E+00	2.19E+00	2.06E+00
Pu-244+D	1.12E+00	1.14E+00	1.12E+00	1.09E+00
Am-245	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Bk-245	1.14E+00	1.14E+00	1.15E+00	1.14E+00
Cm-245	1.18E+00	1.23E+00	1.16E+00	1.09E+00
Pu-245	1.19E+00	1.24E+00	1.17E+00	1.09E+00
Pu-245+D	1.01E+00	1.02E+00	1.01E+00	1.00E+00
Am-246m	1.15E+00	1.16E+00	1.14E+00	1.12E+00
Am-246	1.19E+00	1.25E+00	1.16E+00	1.08E+00

Nuclide	----- Ratio -----			
	Average	Center	Mid Wall	Corner
Bk-246	1.16E+00	1.24E+00	1.13E+00	1.03E+00
Cf-246	1.12E+00	1.12E+00	1.13E+00	1.13E+00
Cf-246+D	1.06E+00	1.05E+00	1.06E+00	1.07E+00
Cm-246	1.11E+00	1.10E+00	1.12E+00	1.13E+00
Pu-246	1.19E+00	1.24E+00	1.17E+00	1.10E+00
Pu-246+D	1.13E+00	1.14E+00	1.12E+00	1.10E+00
Bk-247	1.20E+00	1.26E+00	1.16E+00	1.07E+00
Cm-247	1.19E+00	1.25E+00	1.16E+00	1.07E+00
Cm-247+D	1.01E+00	1.01E+00	1.01E+00	1.01E+00
Cf-248	1.12E+00	1.12E+00	1.13E+00	1.13E+00
Cf-248+D	1.05E+00	1.05E+00	1.06E+00	1.06E+00
Cm-248	2.28E+00	2.44E+00	2.20E+00	1.98E+00
Bk-249	1.19E+00	1.26E+00	1.16E+00	1.06E+00
Bk-249+D	1.01E+00	1.01E+00	1.01E+00	1.00E+00
Cf-249	1.17E+00	1.21E+00	1.16E+00	1.10E+00
Cm-249	1.19E+00	1.26E+00	1.16E+00	1.06E+00
Bk-250	1.15E+00	1.23E+00	1.11E+00	1.00E+00
Cf-250	1.12E+00	1.12E+00	1.13E+00	1.13E+00
Cm-250	2.28E+00	2.45E+00	2.20E+00	1.98E+00
Es-250	1.16E+00	1.24E+00	1.13E+00	1.04E+00
Cf-251	1.18E+00	1.23E+00	1.16E+00	1.10E+00
Es-251	1.19E+00	1.24E+00	1.17E+00	1.09E+00
Cf-252	2.28E+00	2.44E+00	2.20E+00	1.99E+00
Fm-252	1.13E+00	1.13E+00	1.14E+00	1.13E+00
Fm-252+D	1.07E+00	1.07E+00	1.08E+00	1.08E+00
Cf-253	1.12E+00	1.12E+00	1.13E+00	1.13E+00
Cf-253+D	1.13E+00	1.14E+00	1.13E+00	1.12E+00
Es-253	1.14E+00	1.14E+00	1.14E+00	1.13E+00
Fm-253	1.16E+00	1.17E+00	1.16E+00	1.14E+00
Cf-254	2.28E+00	2.45E+00	2.20E+00	1.98E+00
Es-254m	1.16E+00	1.17E+00	1.16E+00	1.14E+00
Es-254	1.13E+00	1.14E+00	1.14E+00	1.13E+00
Es-254+D	1.15E+00	1.23E+00	1.11E+00	1.00E+00
Fm-254	1.13E+00	1.13E+00	1.14E+00	1.13E+00
Fm-254+D	1.05E+00	1.05E+00	1.06E+00	1.06E+00
Fm-255	1.13E+00	1.14E+00	1.14E+00	1.12E+00
Fm-257	1.20E+00	1.25E+00	1.17E+00	1.08E+00
Md-257	1.16E+00	1.17E+00	1.16E+00	1.14E+00
Md-257+D	1.08E+00	1.11E+00	1.07E+00	1.04E+00
Md-258	1.14E+00	1.14E+00	1.15E+00	1.13E+00
Md-258+D	1.15E+00	1.23E+00	1.11E+00	1.00E+00