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JNDC FP DECAY DATA FILE

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JNDC FP Decay Data File

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The decay data file for fission product nuclides (FP DECAY DATA FILE) has been prepared for summation calculation of the decay heat of fission products. The average energies released in β- and γ-transitions have been calculated with computer code PROFP. The calculated results and necessary information have been arranged in tabular form together with the estimated results for 470 nuclides of which decay data are not available experimentally.

Keywords: Decay Heat, Fission Product, Summation Calculation, Decay Mode, Average Beta Energy, Average Gamma Energy, Branching Ratio, Half-Life, Gross Theory of β-Decay

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JNDCの核分裂生成物崩壊データ・ファイル

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核分裂生成物の崩壊データ・ファイル（FP DECAY DATA FILE）を，核分裂生成物の崩壊熱の総和計算のために整備した。そのために，ベータおよびガンマ転移で解放された平均エネルギーを，計算コードPROFPを用いて計算した。計算結果および必要な情報は，崩壊データが実験的に得られない470核種の評価値と一緒に，表形式で示した。

本調査は，シグマ研究委員会・核構造データ専門部会・崩壊熱評価ワーキンググループの作業の一環として行ったものである。

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1. Introduction

For evaluating the decay heat of fission products, the decay data, *i. e.*, half-life, Q_β or Q_{EC}, energies and intensities of $\beta^\pm$, γ and conversion electron, and feeding rate from the parent nuclide, have been accumulated for fission product nuclides from A=66 to A=172. The number of the required fission product nuclides and metastable states in this mass number region is 1172. The 1172 nuclides and metastable states, however, include 283 nuclides not identified by experiments, 187 nuclides and matastable states with incomplete experimental information, and 140 stable nuclides. The adopted experimental data have been selected by scanning the compiled data, Nuclear Data Sheets and Table of Isotopes, and the original papers published in journals. For the nuclides with no or with incomplete experimental information, necessary decay data have been estimated with gross theory of β-decay and Q_β calculated using Uno-Yamada's mass formula[1] if necessary. The details of the estimation will be described in a separate report[2].

A computer code PROFP* has been prepared for calculating the average decay energies of β-particles and γ-rays which are the part of the input data for summation calculation of decay heat. PROFP also stores other necessary input data for summation calculation, except for the data on fission yield and neutron capture cross section. The energy spectra of electrons and/or positrons from β-decay and internal conversion processes and of photons from γ-transition and annihilation of positrons can be printed out from PROFP in 200 groups in a uniform 50 keV binning between 0 and 10 MeV.

The calculations of average energy, its uncertainty, and energy spectrum are mentioned in section 2.

It seems to be worth-while to present some of the calculated results

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* The computer code PROFP was written in FORTRAN IV for use on FACOM M-200 computer in JAERI.

and related information in a tabular form in order to compare with other similar data file. PROFP OUTPUT FILE has been made for this purpose. PROFP OUTPUT FILE contains the decay data for 889 fission product nuclides and metastable states including 187 nuclides and metastable states with incomplete experimental information for which the only available information, mostly the half-life, is listed. This file has been extended so as to include not only the calculated results based on the experimental data but also the estimated results, and named as FP DECAY DATA FILE. The results based on the experiments and estimated results are distinguished by flagging in the table.

The explanation of PROFP OUTPUT FILE or FP DECAY DATA FILE is given in section 3. The printed out table from FP DECAY DATA FILE is presented in section 4.

2. Calculations by PROFP

2.1. Average decay energies*

1) gamma rays and internal conversion electrons

The average decay energy due to the γ-transitions $[E_\gamma]$ is given by

$$[E_\gamma] = \frac{N\sum_{i=1}^{n} E_{\gamma i} \cdot I_{\gamma i}}{100} , \qquad (1)$$

where $E_{\gamma i}$ and $I_{\gamma i}$ are the energy and relative intensity of i-th γ-ray, and N is a factor converting the relative intensity to the absolute intensity (γ's per 100 decays). The uncertainty of average decay energy $\Delta[E_\gamma]$ is calculated as

$$\Delta[E_\gamma] = \frac{N}{100}\sqrt{\sum_{i=1}^{n}\{(I_{\gamma i}\cdot\Delta E_{\gamma i})^2 + (E_{\gamma i}\cdot\Delta I_{\gamma i})^2\} + (\sum_{i=1}^{n} E_{\gamma i}\cdot I_{\gamma i})^2 (\frac{\Delta N}{N})^2} , \qquad (2)$$

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* In PROFP, the unit of energy is keV

where $\Delta E_{\gamma i}$, $\Delta I_{\gamma i}$ and ΔN are the experimental errors or uncertainties of $E_{\gamma i}$, $I_{\gamma i}$ and N, respectively.

In calculating the average energy of internal conversion electrons, the characteristic X-ray emitted in internal conversion process has not been taken into account. According to the assumption that whole energy released in internal conversion process is taken out by only the conversion electron ($E_{CE} = E_{\gamma}$), the average energy and its uncertainty of internal conversion electrons are calculated by E_{qs}. (1) and (2) replacing E_{γ} and I_{γ} by E_{CE} and I_{CE}, respectively.

(2) electrons from β^--decay

The average decay energy due to electrons from β^--decay $[E_{\beta^-}]$ is given by

$$[E_{\beta^-}] = \frac{1}{100} \sum_{j=1}^{m} (Q_{\beta^-} - E_{\ell j}) \cdot R^-_j (Q_{\beta^-} - E_{\ell j},\ Z+1) \cdot I_{\beta j} \quad , \tag{3}$$

where Q_{β^-} is the transition energy between the ground states of parent and daughter nuclei, $E_{\ell j}$ the excitation energy of the j-th level fed by β^--decay, and $I_{\beta j}$ the absolute intensity (β's per 100 decays). The quantity $R^-_j(Q_{\beta^-} - E_{\ell j},\ Z+1)$ is the ratio of average energy to the end-point energy of the β-particle, and is expressed as

$$R^-_j\,(Q_{\beta^-} - E_{\ell j},\ Z+1) = \frac{\int_0^{Q_{\beta^-} - E_{\ell j}} E_{\beta} \cdot P^-(E_{\beta},\ Q_{\beta^-} - E_{\ell j},\ Z+1)\, dE_{\beta}}{(Q_{\beta^-} - E_{\ell j}) \int_0^{Q_{\beta^-} - E_{\ell j}} P^-(E_{\beta},\ Q_{\beta^-} - E_{\ell j},\ Z+1)\, dE_{\beta}} \quad , \tag{4}$$

$$P^-(W,\ W_0,\ Z+1) = F(Z+1,\ p) \cdot p \cdot W \cdot (W_0 - W)^2 \quad , \tag{5}$$

if statistical type of β-spectrum is assumed. In Eq. (5), $W = E_{\beta} + m_0c^2$, W_0 and p are respectively the total, maximum and kinetic energies of electron, F(Z+1, p) is the Fermi function, and Z+1 the atomic number of the daughter nucleus.

The uncertainty of average decay energy $\Delta[E_{\beta^-}]$ is calculated by the

following expressions ;

$$\Delta[E_{\beta^-}] = \sqrt{\left(\frac{\partial[E_{\beta^-}]}{\partial Q_{\beta^-}}\cdot\Delta Q_{\beta^-}\right)^2 + \sum_{j=1}^{m}\left\{\left(\frac{\partial[E_{\beta^-}]}{\partial E_{\ell j}}\cdot\Delta E_{\ell j}\right)^2 + \left(\frac{\Delta[E_{\beta^-}]}{\partial I_{\beta j}}\cdot\Delta I_{\beta j}\right)^2\right\}}, \quad (6)$$

$$\frac{\partial[E_{\beta^-}]}{\partial Q_{\beta^-}} = \frac{1}{100}\sum_{j=1}^{m}\left\{R_j^- + (Q_{\beta^-}-E_{\ell j})\cdot\frac{\partial R_j^-}{\partial Q_\beta}\right\}\cdot I_{\beta j}$$

$$\frac{\partial[E_{\beta^-}]}{\partial E_{\ell j}} = \frac{1}{100}\left\{-R_j^- + (Q_{\beta^-}-E_{\ell j})\cdot\frac{\partial R_j^-}{\partial E_{\ell j}}\right\} \quad (7)$$

$$\frac{\partial[E_{\beta^-}]}{\partial I_{\beta j}} = \frac{1}{100}(Q_{\beta^-}-E_{\ell j})R_j^-$$

In Eq. (7), $R_j^-(Q_{\beta^-}-E_{\ell j}, Z+1)$ is abbreviated as R_j^-.

3) positrons and annihilation gamma rays

The average decay energy due to positrons from β^+-decay $[E_{\beta^+}]$ and its uncertainty are calculated by similar expressions to the case of β^--decay. The ground state transition energy corresponding to Q_{β^-} in β^--decay is usually given as Q_{EC}, Q-value for electron capture. In the following expressions, however, $Q_{\beta^+} \equiv Q_{EC}-1022$ is used instead of Q_{EC}. Since the atomic number of daughter nucleus is Z-1 in β^+-decay, expressions corresponding to Eqs. (3), (4) and (5) are

$$[E_{\beta^+}] = \frac{1}{100}\sum_{j=1}^{m}(Q_{\beta^+}-E_{\ell j})\cdot R_j^+(Q_{\beta^+}-E_{\ell j}, Z-1)\cdot I_{\beta j} \quad , \quad (8)$$

$$R_j^+(Q_{\beta^+}-E_{\ell j}, Z-1) = \frac{\int_0^{Q_{\beta^+}-E_{\ell j}} E_\beta P^+(E_\beta, Q_{\beta^+}-E_{\ell j}, Z-1)dE_\beta}{(Q_{\beta^+}-E_{\ell j})\int_0^{Q_{\beta^+}-E_{\ell j}} P^+(E_\beta, Q_{\beta^+}-E_{\ell j}, Z-1)dE_\beta} \quad , \quad (9)$$

$$P^+(W, W_0, Z-1) = F(-(Z-1), p)\cdot p\cdot W\cdot(W_0-W)^2 \quad (10)$$

The uncertainty of average decay energy $\Delta[E_{\beta^+}]$ is calculated by Eqs. (6) and (7) replacing E_{β^-}, Q_{β^-} and R_j^- by E_{β^+}, Q_{β^+} and R_j^+, respectively.

Since the energy of annihilation gamma, $\gamma^\pm$, is $511\times2 = 1022$(keV), the the average energy and its uncertainty are given by

$$[E_\gamma^{\pm}] = \frac{1022}{100}\sum_{j=1}^{m} I_{\beta j} \quad , \tag{11}$$

$$\Delta[E_\gamma^{\pm}] = \frac{1022}{100}\sqrt{\sum_{j=1}^{m} \Delta I_{\beta j}^{2}} \quad , \tag{12}$$

where $I_{\beta j}$ and $\Delta I_{\beta j}$ are absolute intensity and its uncertainty of positron from β^+-decay.

4) total average decay energy

The total average decay energy released by photons $[E_\gamma^T]$ and its uncertainty $\Delta[E_\gamma^T]$ are obtained by

$$[E_\gamma^T] = [E_\gamma] + [E_\gamma^{\pm}] \quad , \tag{13}$$

$$\Delta[E_\gamma^T] = \sqrt{\Delta[E_\gamma]^2 + \Delta[E_\gamma^{\pm}]^2} \quad . \tag{14}$$

The total average decay energy released by β-particle $[E_\beta^T]$ and its uncertainty $\Delta[E_\gamma^T]$ are given by

$$[E_\beta^T] = [E_{CE}] + [E_{\beta^-}] + [E_{\beta^+}] \tag{15}$$

$$\Delta[E_\beta^T] = \sqrt{\Delta[E_{CE}]^2 + \Delta[E_{\beta^-}]^2 + \Delta[E_{\beta^+}]^2} \quad . \tag{16}$$

The total average decay energy $[E^T]$ and its uncertainty $\Delta[E^T]$ are

$$[E^T] = [E_\gamma^T] + [E_\beta^T] \tag{17}$$

$$\Delta[E^T] = \sqrt{\Delta[E_\gamma^T]^2 + \Delta[E_\beta^T]^2} \quad . \tag{18}$$

2.2. Energy spectra

1) photon energy spectrum

The photon energy spectrum is represented as the number of photons per 100 decays in each bin of 50 keV width ranging from 0 to 10 MeV. In the i-th bin (i=1 to 200), the absolute intensities of γ-rays with energy $E_{\gamma j}$, $50(i-1) < E_{\gamma j} \leq 50i$, are summed up. By using the same notation as Eqs. (1) and (2), it is expressed as

$$S_{\gamma i} = N \sum_{j=1}^{n} I_{\gamma j} \quad \text{for} \quad 50(i-1) < E_{\gamma j} \leqq 50i \tag{19}$$

The uncertainty is

$$\Delta S_{\gamma i} = N\sqrt{\sum_{j=1}^{n} \Delta I_{\gamma j}{}^2 + (\sum_{j=1}^{n} I_{\gamma j})^2 (\frac{\Delta N}{N})^2} \tag{20}$$

For the nuclides decaying by positrons, the intensity of annihilation gamma ray is added to the 11-th bin $S_{\gamma 11}$ of $E_\gamma = 500$ to 550keV. Thus

$$S'_{\gamma 11} = S_{\gamma 11} + 2 \sum_{j=1}^{m} I_{\beta j} \tag{21}$$

$$\Delta S'_{\gamma 11} = \sqrt{\Delta S_{\gamma 11}{}^2 + 4 \sum_{j=1}^{m} \Delta I_{\beta j}{}^2} \tag{22}$$

2) beta energy spectrum

The i-th bin of electron and/or positron energy spectrum is obtained by

$$S_{\beta i} = \sum_{j=1}^{n} 50 \cdot C_j^- \cdot P^-(E_{\beta i},\ Q_\beta{}^- - E_{\ell j},\ Z+1) \cdot I_{\beta j} + \sum_{j=1}^{m} 50 \cdot C_j^+ \cdot P^+(E_{\beta i},\ Q_\beta{}^+ - E_{\ell j},\ Z-1) \cdot I_{\beta j} + N \sum_{j=1}^{\ell} I_{CEj} \tag{23}$$

$$E_{\beta i} = 50i - 25 \text{ ; center of } i\text{-th bin,} \tag{23'}$$

where C_j^- and C_j^+ are the normalization constants for $P^-(W,\ W_0,\ Z+1)$ and $P^+(W,\ W_0,\ Z-1)$, and given as

$$C_j^{\mp} = 1/\int_0^{Q_\beta{}^{\mp} - E_{\ell j}} P^{\mp}(E_{\ell i},\ Q_\beta{}^{\mp} - E_{\ell j},\ Z \pm 1)\, dE_{\beta i} \tag{24}$$

The third term in Eq. (23) represents the line spectrum of internal conversion electron with energy E_{CEj}, $50(i-1) < E_{CEj} \leqq 50i$. The uncertainty is

$$\Delta S_{\beta i} = \sqrt{\sum_{j=1}^{n} \{50 \cdot C_j^- \cdot P^-(E_{\beta i},\ Q_\beta^- - E_{\ell i},\ Z+1) \cdot \Delta I_{\beta j}\}^2 + \sum_{j=1}^{m} \{50 \cdot C_j^+ \cdot P^+(E_{\beta i},\ Q_\beta^+ - E_{\ell j},\ Z-1) \cdot \Delta I_{\beta j}\}^2 + N^2 \sum_{j=1}^{\ell} \Delta I_{CEj}^2 + \left(\sum_{j=1}^{\ell} I_{CEj}\right)^2 \Delta N^2} \qquad (25)$$

3. Input Data for PROFP code and Intermediate File

The average decay energies released by β- and γ-rays have been calculated by the computer code PROFP for 702 fission product nuclides and metastable states with complete experimental information. For 87 fission product nuclides and metastable states having Q-values of > 5MeV, however, the average decay energies estimated by gross theory of β-decay have been adopted for the reasons discussed in a separate report[2)], although the experimental information is available. In addition to the data on these 702 nuclides, the estimated results for 187 nuclides and metastable states with incomplete experimental information are contained in PROFP OUTPUT FILE. In FP DECAY DATA FILE, the data from PROFP OUTPUT FILE and the estimated data for 283 nuclides not identified by experiments are included. The necessary input data for PROFP code and the calculated variables contained in PROFP OUTPUT FILE are explained in the next paragraph. Input and output formats are given in appendix 1 and 2, respectively.

Input Data

1) atomic symbol and mass number

2) decay type

°β^-, or β^+ and/or EC

°isomeric transition

°γ-transition

°internal conversion

3) Q_β or Q_{EC}

4) level energy if it is metastable state

5) transition probability

6) number of betas and their maximum energies

7) number of gammas and their energies

8) number of conversion electrons and their energies

9) relative intensity and normalization factor of each beta, gamma and conversion electron

10) parent nuclides and feeding rates

Output Variables

1) atomic symbol and mass number

2) number of parent nuclides

3) half-life (sec)

4) decay constant (1/sec)

5) flag for uncertainty of half-life, IEL

0 : experimental value

1 : estimated value

2 : half-life itself has been estimated by gross theory of β-decay

6) Q_β (MeV)

7) flag for uncertainty of Q_β, IEB

0 : experimental value

1 : estimated value

8) Q_{EC} (MeV)

9) flag for uncertainty of Q_{EC}, IEE

0 : experimental value

1: estimated value

10) total average decay energy (MeV)

11) beta and conversion electron decay energy (MeV)

12) gamma decay energy (MeV)

13) beta decay energy (MeV)

14) conversion electron decay energy (MeV)

15) decay type

16) parent nuclides

17) feeding rate of each parent nuclide

For the metastable state, its level energy is printed out in the column of Q_β. For the nuclides with estimated decay energies, uncertainties of Q_β, Q_{EC} and average decay energies are all zero, and flags IEB and IEE are used for another purposes.

IEE = 3 for the nuclides and metastable states with incomplete experimental information

IEE = 4 for the nuclides and metastable states with $Q_\beta > 5$MeV, for which the decay energies have been estimated by gross theory of β-decay

IEB = 3 for ^{129m}Ba and ^{129}Ba of which decay energies have been assumed to be zero, since the decay schemes are difficult to make up. Because of their negligibly small fission yields, this assumption does not affect the final result at all

IEB = 4 for 283 nuclides of which decay data are not available experimentally

4. FP Nuclear Decay Data Tables

JNDC nuclear decay data of fission product nuclides and metastable

states are shown in Table 1. Table 2 gives the comparison between the experimental decay energies calculated with PROFP code and the estimated results for the nuclides having Q-value larger than 5MeV. The following information is needed to understand Table 1.

NUCL. : Atomic symbol, mass number, and state identifier (blank for the ground state, M and N for the first and second metastable states, respectively)

HALF LIFE : Decay half-life

DECAY CONST. : Decay constant

Q-BETA : Q-value for beta decay. If nuclide is a metastable state, this means level energy of the metastable state

Q-EC : Q-value for electron capture decay

E-TOTAL : Total average decay energy

E-BETA : Average beta energy

E-GAMMA : Average gamma energy

E-IC+X : Average decay energy of internal conversion electrons and associated x-rays

IE : Flag for estimation of decay energy. If IE is equal to 0, Q-BETA and/or Q-EC, their uncertainties, and the average decay energies were obtained from experimental data. If IE is equal to 1, Q-BETA and/or Q-EC were obtained from experimental data but their uncertainties were estimated, and the average decay energies were obtained from experimental data. If IE is equal to 2, the half-life was obtained from experimental data but the average decay energies were estimated with gross theory of β-decay. If IE is equal to 3, both of the half-life and the average decay energies

were estimated theoretically.

SG : Flag for neutron capture cross section. If SG is equal to 1, the nuclide has the data for neutron capture cross section.

M. NUCL. : Nuclide name of the parent nuclide.

DTYP : Decay mode of the parent nuclide.

DTYP = 1 for the β^--decay.

DTYP = 2 for the isometric transition.

DTYP = 3 for the (n,γ) reaction.

DTYP = 4 for the β^+ and/or the electron capture decay.

DTYP = 5 for the α-decay.

DTYP = 6 for the delayed-neutron emission.

BRANCHING : Branching fraction for the decay mode of the parent nuclide.

ERROR OF BR : Uncertainty of the branching fraction.

In table 1, values in second line from third to tenth column for each nuclide represent the uncertainties of the quantities in the first line. The notations in Table 2 are same as used in Table 1.

5. Discussions

The summation calculations based on preliminary DECAY DATA FILE which includes the average decay energies for 889 nuclides and metastable states calculated by PROFP code were made for a few typical cases. The details will be described in a forthcoming report. The results showed concider-able disagreement with experimental data on specifically gamma burst function of ^{235}U thermal fission ; the calculated results are considerably low at cooling time of around 50 seconds and slightly high at cooling time of around 1000 seconds. This disagreement is not seen in the calculations

based on other data files[3),4)]. This discrepancy seems to be due mainly to adopt two levels of 6.0 and 10.0 second half-lives as the states of ^{96}Y. In other decay data files, the half-life of ^{96}Y ground state is 2.3 minutes. But the 2.3 minutes state is assigned to other nuclide by recent experiment[5)] and if the half-lives of ^{96}Y are replaced with the new experimental values, the results calculated using the previous data file perhaps disagree with the experiments. The similar disagreement to the present result is seen in the preliminary summation calculation using other data file* based on the new compiled nuclear data library, in which the half-lives of 6.0 and 10.0 seconds are adopted to the ground and metastable states of ^{96}Y. Therefore, the cause of the disagreement with the experimental data must be sought for another reasons.

In the results of PROFP calculations, there are some nuclides which have large Q_β-values and show the unreasonably low values of $\bar{E}_\gamma/Q_\beta$. It seems to be likely that the low $\bar{E}_\gamma/Q_\beta$ is caused by missing highly excited levels in constructing the decay scheme from experimental information. Therefore, the calculated average decay energies have been replaced by the estimated values using gross theory of β decay for 87 nuclides which have Q_β-values larger than 5MeV. The situation of disagreement between the summation calculations and experimental results is largely improved by such replacement.

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*) A letter from Dr. T. R. England to Mr. T. Yoshida at December 8, 1980.

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Appendix 1 Input Format of PROFP

Card NO	Variable	Format	Definition and input data
#1			Disk file input option
	DK	(A2)	DK: read old file and add new data
#2			Identification of nuclides and decay type option.
	ELT	(A2)[a]	Atomic symbol
	IMAS	(I3)	Mass number
	IATO	(I3)	Atomic number
	ISOM	(A2)	G : ground state, M , M1, M2, ...: isomer. Put card #5 for isomers.
	IGAM	(A4)	GAMM: gamma-decay; put cards #8-1, 2 and 3.
	ICON	(A4)	CONV: internal conversion; put cards #9-1, 2 and 3.
	IBET	(A4)	BETA: negative beta-decay; put cards #6, 10-1, 2 and 3.
	IECA	(A4)	ECAP: electron capture decay; put cards #7, 11-1, 2 and 3.
	IPOS	(A4)	POSB: positive beta-decay; put cards #7, 12-1, 2 and 3.
	ISKP	(A4)	SKIP: not calculate average decay energies and spectra. STAB: stable nuclide; put only card #4.
	IQB	(A4)	QBET: Q_β input; put card #6.
	IEC	(A4)	QECA: Q_{EC} input; put card #7.
	NPAR	(I1)	Number of parent nuclides.

a) Exact format of #2: FORMAT(A2, 2I3, A2, 8(A4,1X), I1)

Card NO	Variable	Format	Definition and input data
#3			Half life; put if ISKP#2≠STAB
	THF	(F8.0)	Half life
	UNT	(A1)	Unit of half life; S: sec, M: min, H: hr, D: day and Y: year.
	DTH	(F8.0)	Error of half life; unit is the same as half life.
	EST	(A3)	EST: estimated error
#4			Parent card
	ELTP(I)	(A2)[b]	parent nuclide atomic symbol
	IMP(I)	(I3)	Mass number
	IATP(I)	(I3)	Atomic number
	ISOP(I)	(A2)	Ground state or isomer(ex. G , M ...)
	DTYP(I)	(A4)	Decay type; BETA, negative beta-decay,
	I=1, NPAR		IT : isomeric transition, EC : electron capture and positive beta-decay, ALPH: alpha-decay and D-N : delayed neutron decay.
	BRT	(F8.0)	Branching ratio
	DBRT	(F8.0)	Error of branching ratio
#5			Energy of isomer; put if ISOM#2≠G .
	EISO	(F8.0)	Energy of isomer(keV)
	DEISO	(F8.0)	Error of energy of isomer(keV)
	EDEI	(A3)	EST: estimated error

b) Exact format of #4: FORMAT (A2, 2I3, A2, A4, 2X, 2F8.0)

Card NO	Variable	Format	Definition and input data
#6			Q_β; put if IBET#2=BETA or IQB#2=QBET.
	QBET	(F8.0)	Q_β(keV)
	DQB	(F8.0)	Error of Q_β(keV). If DQB=0, DQB=0.2Q_β and EDQB=EST
	EDQB	(A3)	EST: estimated error
#7			Q_{EC}; put if IECA#2=ECAP, IPOS#2=POSB or IEC#2=QECA.
	QEC	(F8.0)	Q_{EC}(keV)
	DQE	(F8.0)	Error of Q_{EC}. If DQE=0, DQE=0.2Q_{EC} and EDQE=EST.
	EDQE	(A3)	EST: estimated error
#8-1			Gamma-decay data; put if IGAM#2=GAMM.
	NGAM	(I3)	Number of gamma-ray energies
	GCF	(F13.0)	Normalization constant of gamma-ray intensities[c)]
	DGC	(F8.0)	Error of normalization cinstant
#8-2			Gamma-ray energies and intensities
	EGAM(I)		Gamma-ray energy(keV)
	DEG(I)		Error of energy(keV)
	TGAM(I)		Relative intensity of gamma-ray
	DTG(I)		Error of intensity
	I=1, NGAM	(8F8.0)	
#8-3			Estimated errors to replace DEG=0 and DTG=0
	ADEG	(F8.0)	Estimation of DEG/EGAM(%)
	ADTG	(F8.0)	Estimation of DTG/TGAM(%)

c) Multiplication factor converting the relative intensity to the absolute intensity per 100 decays

Card NO	Variable	Format	Definition and input data
#9-1			Internal conversion data; put if ICON#2=CONV.
	NCON	(I3)	Number of internal conversions
	CCF	(F13.0)	Normalization constant of conversions
	DCC	(F8.0)	Error of normalization constant
#9-2			Interal conversion electron energies and intensities
	ECON(I)		Internal electorn energy(keV)
	DEC(I)		Error of energy(keV)
	TCON(I)		Relative conversion electron intensity
	DTC(I)		Error of intensity
	I=1, NCON	(8F8.0)	
#9-3			Estimated errors to replace DEC=0 and DTC=0
	ADEC	(F8.0)	Estimation of DEC/ECON(%)
	ADTC	(F8.0)	Estimation of DTC/TCON(%)
#10-1			Negative beta-decay data; put if IBET#2=BETA.
	NBET	(I3)	Number of negative beta-transitions
#10-2			Level energies of daughter nuclide and branching ratios
	ELEV(I)		Level energy of daughter nuclide(keV)
	DEL(I)		Error of level energy(keV)
	TBET(I)		Branching ratio(%)
	DTB(I)		Error of branching ratio(%)
	I=1, NBET	(8F8.0)	
#10-3			Estimated errors to replace DEL=0 and DTB=0
	ADEL	(F8.0)	Estimation of DEL/ELEV(%)
	ADTB	(F8.0)	Estimation of DTB/TBET(%)

Card NO	Variable	Format	Definition and input data
#11-1			Electron capture decay data; put if IECA#2=ECAP.
	NEC	(I3)	Number of electorn capture transitiions
#11-2			Level energies of daughter nuclide transitions occur and branching ratios
	ECLE(I)		Level energy of daughter nuclide(keV)
	DCL(I)		Error of level energy(keV)
	TECA(I)		Branching ratio(%)
	DTE(I)		Error of branching ratio(%)
	I=1, NEC	(8F8.0)	
#11-3			Estimated errors to replace DCL=0 and DTE=0
	ADCL	(F8.0)	Estimation of DCL/ECLE(%)
	ADTE	(F8.0)	Estimation of DTE/TECA(%)
#12-1			Positive beta-decay data; put if IPOS#2=POSB.
	NPB	(I3)	Number of positive beta-transitions
#12-2			Level energies of daughter nuclide and branching ratios
	EPLE(I)		Level energy of daughter nuclide(keV)
	DPL(I)		Error of level energy(keV)
	TPBT		Branching ratio(%)
	DTP(I)		Error of branching ratio(%)
	I=1, NPB	(8F8.0)	
#12-3			Estimated errors to replace DPL=0 and DTP=0
	ADPL	(F8.0)	Estimation of DPL/EPLE(%)
	ADTP	(F8.0)	Estimationof DTP/TPBT(%)

Appendix 2 Output Format of PROFP

Line NO	Variable	Format	Definition and input data
#1			
	ELT	(A2)	Atomic symbol
	IMAS	(I3)	Mass number
	JSOM	(A1)	State identifier
	NPAR	(I2)	Number of parent nuclides
	THFS	(E13.5)	Half-life
	DTHFS	(E13.5)	Uncertainty of half-life
	RAMDA	(E13.5)	Decay constant
	DRAM	(E13.5)	Uncertainty of decay constant
	IEL	(I2)	Flag for uncertainty of half-life
#2			
	QBET	(E13.5)	Q_β-value
	DQB	(E13.5)	Uncertainty of Q_β
	IEB	(I2)	Flag for uncertainty of Q_β
	QEC	(E13.5)	Q_{EC}-value
	DQE	(E13.5)	Uncertainty of Q_{EC}
	IEE	(I2)	Flag for uncertainty of Q_{EC}
#3			
	TDE	(E13.5)	Total average decay energy
	ETDE	(E13.5)	Uncertainty of total average decay energy
	TBETA	(E13.5)	Average beta and conversion electron energy
	ETBET	(E13.5)	Uncertainty of average beta and conversion electron energy
	TGAMM	(E13.5)	Average gamma energy
	ETGAM	(E13.5)	Uncertainty of average gamma energy

Line NO	Variable	Format	Definition and output data
#4			
	TBETZ	(E13.5)[d]	Average beta energy
	DTBTZ	(E13.5)	Uncertainty of average beta energy
	CONEZ	(E13.5)	Average conversion electron energy
	DCONZ	(E13.5)	Uncertainty of average conversion electron energy
	J1 - J7	(7I1)	Decay type

J1 : stable
J2 : β^--decay
J3 : isomeric transition
J4 : neutron capture reaction
J5 : β^+ and/or electron capture decay
J6 : α-decay
J7 : delayed neutron emission

#5			
	JPDN(I)	(I2)[e]	Decay mode
	ILTP(I)	(A2)	Nuclear symbol of parent nuclide
	IMP(I)	(I3)	Mass number
	JPIS(I)	(A1)	State identifier
	BRT(I)	(E15.7)	Feeding rate
	DBRT(I)	(E15.7)	Uncertainty of feeding rate
	I=1, NPAR		

d) Exact format of #4: FORMAT (4E13.5, 3X, 7I1)

e) Exact format of #5: FORMAT (I2, 2X, A2, I3, A1, 2E15.7)

Table 1 JNDC Nuclear Decay Data of Fission Product Nuclides

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
1	CR 66	2.67200D-01	2.59410D+00	9.8780	0.0000	5.5560	3.8630	1.6930	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
2	MN 66	1.75500D-01	3.94960D+00	14.5800	0.0000	9.3830	4.7390	4.6440	0.0000	3	0	CR 66	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
3	FE 66	3.66600D+00	1.89080D-01	6.0360	0.0000	3.3140	2.2670	1.0470	0.0000	3	0	MN 66	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
4	CO 66	2.78500D+00	2.48890D-01	9.6530	0.0000	6.2780	2.9050	3.3730	0.0000	3	0	FE 66	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
5	NI 66	1.97640D+05	3.50710D-06	0.2360	0.0000	0.0681	0.0681	0.0000	0.0000	0	0	CU 66	1	1.00000D+00	0.00000D+00
		3.24000D+03	5.74940D-08	0.0190	0.0000	0.0062	0.0062	0.0000	0.0000						
6	CU 66	3.06000D+02	2.26520D-03	2.6416	0.0000	1.1596	1.0749	0.0847	0.0000	0	0	NI 66	1	1.00000D+00	0.00000D+00
		1.20000D+00	8.88310D-06	0.0018	0.0000	0.0269	0.0256	0.0085	0.0000						
7	ZN 66	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	CU 66	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			GA 66	4	1.00000D+00	0.00000D+00
8	GA 66	3.38400D+04	2.04830D-05	0.0000	5.1750	3.4538	0.9732	2.4805	0.0000	0	0	GE 66	4	1.00000D+00	0.00000D+00
		2.52000D+02	1.52530D-07	0.0000	0.0050	0.1917	0.0190	0.1908	0.0000						
9	GE 66	8.17200D+03	8.48200D-05	0.0000	2.1020	0.7849	0.0873	0.6844	0.0132	0	0				
		1.80000D+02	1.86830D-06	0.0000	0.0130	0.0496	0.0079	0.0489	0.0015						
10	CR 67	1.12800D-01	6.14490D+00	13.4500	0.0000	8.0690	4.9320	3.1570	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
11	MN 67	2.16200D-01	3.20600D+00	11.9700	0.0000	6.9840	4.5310	2.4530	0.0000	3	0	CR 67	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
12	FE 67	7.02400D-01	9.86830D-01	9.7310	0.0000	5.5600	3.7080	1.8520	0.0000	3	0	MN 67	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
13	CO 67	2.28600D+00	3.03210D-01	7.8280	0.0000	4.3040	3.0550	1.2490	0.0000	3	0	FE 67	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
14	NI 67	1.80000D+01	3.85080D-02	3.5600	0.0000	2.4554	1.0213	1.4341	0.0000	0	0	CU 67	1	1.00000D+00	0.00000D+00
		4.00000D+00	8.55740D-03	0.0900	0.0000	0.4121	0.0414	0.4100	0.0000						
15	CU 67	2.22770D+05	3.11150D-06	0.5750	0.0000	0.2709	0.1408	0.1140	0.0161	0	0	NI 67	1	1.00000D+00	0.00000D+00
		5.04000D+02	7.03960D-09	0.0080	0.0000	0.0157	0.0106	0.0115	0.0014						
16	ZN 67	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	CU 67	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			GA 67	4	1.00000D+00	0.00000D+00
17	GA 67	2.81750D+05	2.46010D-06	0.0000	1.0011	0.1806	0.0000	0.1479	0.0327	0	0	GE 67	4	1.00000D+00	0.00000D+00
		8.64000D+01	7.54420D-10	0.0000	0.0013	0.0149	0.0000	0.0149	0.0008						
18	GE 67	1.12200D+03	6.17780D-04	0.0000	4.4300	2.7034	1.2919	1.4115	0.0000	0	0				
		3.00000D+01	1.65180D-05	0.0000	0.0500	0.2020	0.1614	0.1215	0.0000						
19	CR 68	1.31200D-01	5.28310D+00	11.2500	0.0000	6.4000	4.3910	2.0090	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
20	MN 68	1.09200D-01	6.34750D+00	15.6500	0.0000	10.1220	5.0720	5.0500	0.0000	3	0	CR 68	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
21	FE 68	1.46900D+00	4.71850D-01	7.1330	0.0000	3.9440	2.7290	1.2150	0.0000	3	0	MN 68	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
22	CO 68	7.38900D-01	9.38080D-01	11.6500	0.0000	7.4940	3.6850	3.8090	0.0000	3	0	FE 68	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
23	NI 68	5.76100D+02	1.20320D-03	2.2560	0.0000	1.2456	0.6637	0.5819	0.0000	3	0	CU 68	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
24	CU 68M	2.25000D+02	3.08060D-03	0.7213	0.0000	1.1530	0.1970	0.9560	0.0000	2	0				
		3.00000D+00	4.10750D-05	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000						
25	CU 68	3.10000D+01	2.23600D-02	4.6200	0.0000	2.7219	1.4977	1.2242	0.0000	0	0	NI 68	1	1.00000D+00	0.00000D+00
		1.00000D+00	7.21280D-04	0.0500	0.0000	0.1723	0.0880	0.1481	0.0000			CU 68M	2	8.50000D-01	5.00000D-02
26	ZN 68	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	CU 68M	1	1.50000D-01	5.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			CU 68	1	1.00000D+00	0.00000D+00
												GA 68	4	1.00000D+00	0.00000D+00
27	GA 68	4.08000D+03	1.69890D-04	0.0000	2.9211	1.6916	0.7405	0.9511	0.0000	0	0	GE 68	4	1.00000D+00	0.00000D+00
		1.20000D+01	4.99670D-07	0.0000	0.0012	0.0398	0.0251	0.0309	0.0000						
28	GE 68	2.48830D+07	2.78560D-08	0.0000	0.1140	0.0000	0.0000	0.0000	0.0000	0	0				
		5.18400D+05	5.80330D-10	0.0000	0.0130	0.0000	0.0000	0.0000	0.0000						
29	MN 69	1.09300D-01	6.34170D+00	13.4900	0.0000	8.0540	4.9840	3.0700	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
30	FE 69	3.81300D-01	1.81780D+00	10.7900	0.0000	6.2820	4.0460	2.2360	0.0000	3	0	MN 69	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
31	CO 69	9.08600D-01	7.62870D-01	9.2030	0.0000	5.1740	3.5610	1.6130	0.0000	3	0	FE 69	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
32	NI 69	9.29000D+00	7.46120D-02	6.0510	0.0000	3.2597	2.3270	0.9327	0.0000	3	0	CU 69	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
33	CU 69	1.80000D+02	3.85080D-03	2.6500	0.0000	1.2402	1.0168	0.2234	0.0000	0	0	NI 69	1	1.00000D+00	0.00000D+00
		6.00000D+00	1.28360D-04	0.0700	0.0000	0.0404	0.0329	0.0234	0.0000						
34	ZN 69M	5.04000D+04	1.37530D-05	0.4386	0.0000	0.4388	0.0001	0.4166	0.0221	0	0				
		1.08000D+03	2.94710D-07	0.0000	0.0000	0.0417	0.0000	0.0417	0.0022						
35	ZN 69	3.33600D+03	2.07780D-04	0.9045	0.0000	0.3207	0.3207	0.0000	0.0000	0	0	CU 69	1	1.00000D+00	0.00000D+00
		9.60000D+01	5.97920D-06	0.0030	0.0000	0.0012	0.0012	0.0000	0.0000			ZN 69M	2	9.99700D-01	1.00000D-04
36	GA 69	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	ZN 69M	1	3.00000D-04	1.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			ZN 69	1	1.00000D+00	0.00000D+00
												GE 69	4	1.00000D+00	0.00000D+00
37	GE 69	1.40580D+05	4.93060D-06	0.0000	2.2253	1.0461	0.1756	0.8705	0.0000	0	0	AS 69	4	1.00000D+00	0.00000D+00
		3.60000D+02	1.26260D-08	0.0000	0.0025	0.0533	0.0042	0.0531	0.0000						
38	AS 69	9.12000D+02	7.60030D-04	0.0000	3.9700	2.2718	1.2618	1.0064	0.0036	0	0				
		4.20000D+01	3.50010D-05	0.0000	0.0500	0.0527	0.0416	0.0323	0.0004						
39	CR 70	5.74400D-02	1.20670D+01	13.1500	0.0000	7.6160	5.0840	2.5320	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
40	MN 70	6.61200D-02	1.04830D+01	16.9100	0.0000	11.0100	5.4450	5.5650	0.0000	3	0	CR 70	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
41	FE 70	5.37000D-01	1.29080D+00	8.5640	0.0000	4.7800	3.3200	1.4600	0.0000	3	0	MN 70	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
42	CO 70	3.48000D-01	1.99180D+00	12.9800	0.0000	8.3620	4.1540	4.2080	0.0000	3	0	FE 70	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
43	NI 70	4.92300D+01	1.40800D-02	3.6070	0.0000	1.9529	1.2400	0.7129	0.0000	3	0	CU 70	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
44	CU 70M	4.60000D+01	1.50680D-02	0.1400	0.0000	3.8170	1.6500	2.1670	0.0000	2	0				
		2.00000D+00	6.55150D-04	0.0800	0.0000	0.0000	0.0000	0.0000	0.0000						
45	CU 70	4.50000D+00	1.54030D-01	6.1700	0.0000	2.9920	2.6970	0.2950	0.0000	2	0	NI 70	1	1.00000D+00	0.00000D+00
		1.00000D+00	3.42300D-02	0.1100	0.0000	0.0000	0.0000	0.0000	0.0000						
46	ZN 70	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	CU 70M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			CU 70	1	1.00000D+00	0.00000D+00
												GA 70	4	4.10000D-03	5.00000D-04
47	GA 70	1.26900D+03	5.46220D-04	1.6563	0.6548	0.6507	0.6451	0.0056	0.0000	0	0				
		3.00000D+00	1.29130D-06	0.0033	0.0016	0.0067	0.0067	0.0008	0.0000						
48	GE 70	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	GA 70	1	9.95900D-01	5.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
49	MN 71	5.03000D-02	1.37800D+01	15.5200	0.0000	9.4840	5.5740	3.9100	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
50	FE 71	2.07400D-01	3.34210D+00	11.9700	0.0000	7.1110	4.4010	2.7100	0.0000	3	0	MN 71	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
51	CO 71	3.59800D-01	1.92650D+00	10.8300	0.0000	6.2640	4.1020	2.1620	0.0000	3	0	FE 71	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
52	NI 71	3.20600D+00	2.16200D-01	7.3560	0.0000	4.0660	2.8220	1.2440	0.0000	3	0	CU 71	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
53	CU 71	8.17100D+01	8.48300D-03	3.8120	0.0000	2.0097	1.3730	0.6367	0.0000	3	0	NI 71	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
54	ZN 71M	1.41120D+04	4.91180D-05	0.1570	0.0000	2.1135	0.5637	1.5498	0.0000	0	0				
		1.80000D+02	6.26500D-07	0.0050	0.0000	0.0450	0.0112	0.0436	0.0000						
55	ZN 71	1.44000D+02	4.81350D-03	2.8180	0.0000	1.3517	1.0514	0.3003	0.0000	0	0	CU 71	1	1.00000D+00	0.00000D+00
		6.00000D+00	2.00560D-04	0.0110	0.0000	0.1550	0.1484	0.0447	0.0000			ZN 71M	2	5.00000D-04	5.00000D-04
56	GA 71	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	ZN 71M	1	9.99500D-01	5.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			ZN 71	1	1.00000D+00	0.00000D+00
												GE 71	4	1.00000D+00	0.00000D+00
57	GE 71	1.01950D+06	6.79880D-07	0.0000	0.2357	0.0000	0.0000	0.0000	0.0000	0	0	AS 71	4	1.00000D+00	0.00000D+00
		3.45600D+04	2.30470D-08	0.0000	0.0018	0.0000	0.0000	0.0000	0.0000						
58	AS 71	2.33280D+05	2.97130D-06	0.0000	2.0130	0.6921	0.1013	0.5899	0.0009	0	0				
		2.52000D+03	3.20970D-08	0.0000	0.0040	0.0440	0.0100	0.0428	0.0001						
59	FE 72	1.82900D-01	3.78980D+00	10.4600	0.0000	5.9350	4.0610	1.8740	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
60	CO 72	1.76600D-01	3.92500D+00	14.3700	0.0000	9.3020	4.6080	4.6940	0.0000	3	0	FE 72	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
61	NI 72	7.84300D+00	8.83780D-02	5.1260	0.0000	2.7951	1.8820	0.9131	0.0000	3	0	CU 72	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
62	CU 72	1.47900D+01	4.68660D-02	7.5210	0.0000	5.0290	2.0350	2.9940	0.0000	3	0	NI 72	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
63	ZN 72	1.67400D+05	4.14070D-06	0.4570	0.0000	0.2480	0.0852	0.1436	0.0192	0	0	CU 72	1	1.00000D+00	0.00000D+00
		3.60000D+02	8.90460D-09	0.0060	0.0000	0.0094	0.0060	0.0072	0.0010						
64	GA 72	5.07600D+04	1.36550D-05	3.9916	0.0000	3.1984	0.4961	2.7023	0.0000	0	0	ZN 72	1	1.00000D+00	0.00000D+00
		7.20000D+02	1.93690D-07	0.0031	0.0000	0.0619	0.0417	0.0458	0.0000						
65	GE 72	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	GA 72	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			AS 72	4	1.00000D+00	0.00000D+00
66	AS 72	9.36000D+04	7.40540D-06	0.0000	4.3510	2.7641	1.0218	1.7422	0.0000	0	0	SE 72	4	1.00000D+00	0.00000D+00
		3.60000D+02	2.84820D-08	0.0000	0.0070	0.1325	0.0762	0.1084	0.0000						
67	SE 72	7.25760D+05	9.55060D-07	0.0000	0.3370	0.0460	0.0000	0.0270	0.0190	0	0				
		8.64000D+03	1.13700D-08	0.0000	0.0140	0.0030	0.0000	0.0029	0.0009						
68	FE 73	9.72900D-02	7.12450D+00	13.6700	0.0000	8.3100	4.9030	3.4070	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
69	CO 73	1.36700D-01	5.07060D+00	12.8800	0.0000	7.6980	4.7180	2.9800	0.0000	3	0	FE 73	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
70	NI 73	1.26200D+00	5.49240D-01	8.6500	0.0000	4.9000	3.2810	1.6190	0.0000	3	0	CU 73	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
71	CU 73	1.78300D+01	3.88750D-02	5.2010	0.0000	2.7573	1.9850	0.7723	0.0000	3	0	NI 73	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
72	ZN 73	2.35000D+01	2.94960D-02	4.7000	0.0000	2.3463	1.8772	0.4691	0.0000	0	0	CU 73	1	1.00000D+00	0.00000D+00
		1.00000D+00	1.25510D-03	0.2000	0.0000	0.1131	0.0969	0.0582	0.0000						
73	GA 73	1.76760D+04	3.92140D-05	1.5600	0.0000	0.6877	0.4869	0.2008	0.0000	0	0	ZN 73	1	1.00000D+00	0.00000D+00
		1.80000D+02	3.99330D-07	0.0400	0.0000	0.0277	0.0174	0.0216	0.0000						
74	GE 73M	5.00000D-01	1.38630D+00	0.0667	0.0000	0.0667	0.0000	0.0056	0.0611	0	0	GA 73	1	9.91200D-01	1.40000D-03
		2.00000D-02	5.54520D-02	0.0000	0.0000	0.0004	0.0000	0.0003	0.0003			AS 73	4	1.00000D+00	0.00000D+00
75	GE 73	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	GA 73	1	8.80000D-03	1.40000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			GE 73M	2	1.00000D+00	0.00000D+00
76	AS 73	6.93790D+06	9.99070D-08	0.0000	0.3445	0.0000	0.0000	0.0000	0.0000	0	0	SE 73M	4	2.70000D-01	7.00000D-02
		5.18400D+03	7.46500D-11	0.0000	0.0037	0.0000	0.0000	0.0000	0.0000			SE 73	4	1.00000D+00	0.00000D+00
77	SE 73M	2.31600D+03	2.99290D-04	0.0257	0.0000	0.3940	0.1467	0.2285	0.0188	0	0				
		1.32000D+02	1.70580D-05	0.0000	0.0000	0.0310	0.0185	0.0248	0.0018						
78	SE 73	2.58480D+04	2.68160D-05	0.0000	2.7400	1.4215	0.3674	1.0357	0.0184	0	0	SE 73M	2	7.30000D-01	7.00000D-02
		3.24000D+02	3.36140D-07	0.0000	0.0100	0.1161	0.0533	0.1032	0.0021						
79	FE 74	8.39400D-02	8.25760D+00	12.1300	0.0000	6.9940	4.6700	2.3240	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
80	CO 74	8.23500D-02	8.41710D+00	16.2200	0.0000	10.5870	5.1670	5.4200	0.0000	3	0	FE 74	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M,NUCL	DTYP	BRANCHING	ERROR OF BR
81	NI 74	1.43700D+00	4.82360D-01	7.0290	0.0000	3.8820	2.6830	1.1990	0.0000	3	0	CU 74	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
82	CU 74	4.98500D+00	1.39050D-01	8.6970	0.0000	5.7170	2.5110	3.2060	0.0000	3	0	NI 74	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
83	ZN 74	9.50000D+01	7.29630D-03	2.3500	0.0000	1.0401	0.8880	0.1416	0.0105	0	0	CU 74	1	1.00000D+00	0.00000D+00
		1.00000D+00	7.68030D-05	0.1000	0.0000	0.0989	0.0983	0.0106	0.0012						
84	GA 74M	9.50000D+00	7.29630D-02	0.0597	0.0000	0.0597	0.0000	0.0396	0.0201	0	0	ZN 74	1	8.70000D-01	1.00000D-02
		1.00000D+00	7.68030D-03	0.0002	0.0000	0.0024	0.0000	0.0017	0.0017						
85	GA 74	4.95000D+02	1.40030D-03	5.4000	0.0000	3.6890	1.2880	2.4010	0.0000	2	0	ZN 74	1	1.30000D-01	1.00000D-02
		3.00000D+00	8.48660D-06	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000			GA 74M	2	1.00000D+00	0.00000D+00
86	GE 74	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	GA 74	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			AS 74	4	6.51000D-01	1.00000D-02
87	AS 74	1.53620D+06	4.51210D-07	1.3531	2.5624	1.0426	0.2781	0.7645	0.0000	0	0				
		2.59200D+03	7.61320D-10	0.0026	0.0017	0.0552	0.0269	0.0482	0.0000						
88	SE 74	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AS 74	1	3.49000D-01	1.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
89	CO 75	6.49500D-02	1.06720D+01	14.7500	0.0000	9.0040	5.2590	3.7450	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
90	NI 75	4.51300D-01	1.53590D+00	10.3400	0.0000	6.0430	3.8270	2.2160	0.0000	3	0	CU 75	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
91	CU 75	3.95800D+00	1.75130D-01	6.9360	0.0000	3.7780	2.6680	1.0900	0.0000	3	0	NI 75	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
92	ZN 75	1.02000D+01	6.79560D-02	5.6200	0.0000	3.0133	2.1430	0.8703	0.0000	2	0	CU 75	1	1.00000D+00	0.00000D+00
		3.00000D-01	1.99870D-03	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000						
93	GA 75	1.26000D+02	5.50120D-03	3.3000	0.0000	1.6241	1.2465	0.3775	0.0000	0	0	ZN 75	1	1.00000D+00	0.00000D+00
		2.00000D+00	8.73200D-05	0.2000	0.0000	0.0952	0.0950	0.0067	0.0000						
94	GE 75M	4.83000D+01	1.43510D-02	0.1397	0.0000	0.1398	0.0001	0.0545	0.0852	0	0	GA 75	1	4.30000D-02	1.00000D-02
		6.00000D-01	1.78270D-04	0.0001	0.0000	0.0040	0.0000	0.0028	0.0028						
95	GE 75	4.96680D+03	1.39560D-04	1.1778	0.0000	0.4531	0.4183	0.0348	0.0000	0	0	GA 75	1	9.57000D-01	1.00000D-02
		2.40000D+00	6.74350D-08	0.0026	0.0000	0.0349	0.0349	0.0004	0.0000			GE 75M	2	9.99700D-01	1.00000D-04
96	AS 75	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	GE 75	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			GE 75M	1	3.00000D-04	6.00000D-05
												SE 75	4	1.00000D+00	0.00000D+00
97	SE 75	1.03680D+07	6.68550D-08	0.0000	0.8649	0.3847	0.0000	0.3752	0.0094	0	0	BR 75	4	1.00000D+00	0.00000D+00
		8.64000D+04	5.57120D-10	0.0000	0.0009	0.0216	0.0000	0.0216	0.0005						
98	BR 75	6.06000D+03	1.14380D-04	0.0000	3.0100	1.7051	0.5014	1.2012	0.0025	0	0				
		6.00000D+01	1.13250D-06	0.0000	0.0200	0.0917	0.0435	0.0807	0.0005						
99	FE 76	4.89700D-02	1.41550D+01	13.4500	0.0000	7.8490	5.1330	2.7160	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
100	CO 76	3.60500D-02	1.92270D+01	18.5700	0.0000	12.2370	5.8660	6.3710	0.0000	3	0	FE 76	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO. NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
101 NI 76	4.38500D-01	1.58070D+00	8.7520	0.0000	4.9060	3.3790	1.5270	0.0000	3	0	CU 76	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
102 CU 76	1.57400D+00	4.40370D-01	10.2000	0.0000	6.6170	3.1130	3.5040	0.0000	3	0	NI 76	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
103 ZN 76	5.70000D+00	1.21600D-01	3.9800	0.0000	2.1521	1.3980	0.7541	0.0000	2	0	CU 76	1	1.00000D+00	0.00000D+00
	3.00000D-01	6.40030D-03	0.1200	0.0000	0.0000	0.0000	0.0000	0.0000						
104 GA 76	2.71000D+01	2.55770D-02	6.7700	0.0000	4.2420	1.7460	2.4960	0.0000	2	0	ZN 76	1	1.00000D+00	0.00000D+00
	2.00000D-01	1.88760D-04	0.1500	0.0000	0.0000	0.0000	0.0000	0.0000						
105 GE 76	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	GA 76	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			AS 76	4	2.00000D-04	1.00000D-04
106 AS 76	9.47520D+04	7.31540D-06	2.9686	0.9229	1.4924	1.0624	0.4300	0.0000	0	0				
	2.52000D+02	1.94560D-08	0.0018	0.0027	0.0319	0.0253	0.0195	0.0000						
107 SE 76	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AS 76	1	9.99800D-01	1.00000D-04
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
108 NI 77	1.53300D-01	4.52150D+00	12.5200	0.0000	7.5690	4.4810	3.0880	0.0000	3	0				
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
109 CU 77	1.26000D+00	5.50120D-01	8.5120	0.0000	4.7730	3.2670	1.5060	0.0000	3	0	NI 77	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
110 ZN 77	1.40000D+00	4.95100D-01	6.9100	0.0000	3.8060	2.6350	1.1710	0.0000	2	0	CU 77	1	1.00000D+00	0.00000D+00
	3.00000D-01	1.06090D-01	0.2200	0.0000	0.0000	0.0000	0.0000	0.0000						
111 GA 77	1.30000D+01	5.33190D-02	5.3400	0.0000	2.8323	2.0430	0.7893	0.0000	2	0	ZN 77	1	1.00000D+00	0.00000D+00
	3.00000D-01	1.23040D-03	0.0600	0.0000	0.0000	0.0000	0.0000	0.0000						
112 GE 77M	5.40000D+01	1.28360D-02	0.1597	0.0000	1.0172	0.9350	0.0671	0.0150	0	0	GA 77	1	1.00000D+00	0.00000D+00
	1.00000D+00	2.37710D-04	0.0001	0.0000	0.1824	0.1823	0.0055	0.0008						
113 GE 77	4.06800D+04	1.70390D-05	2.7015	0.0000	1.7410	0.5980	1.1430	0.0000	0	0	GE 77M	2	2.11000D-01	6.00000D-03
	3.60000D+01	1.50790D-08	0.0030	0.0000	0.0496	0.0013	0.0496	0.0000						
114 AS 77	1.39680D+05	4.96240D-06	0.6904	0.0000	0.2362	0.2287	0.0075	0.0000	0	0	GE 77M	1	7.89000D-01	6.00000D-03
	1.08000D+03	3.83690D-08	0.0039	0.0000	0.0018	0.0015	0.0009	0.0000			GE 77	1	1.00000D+00	0.00000D+00
115 SE 77M	1.75000D+01	3.96080D-02	0.1619	0.0000	0.1619	0.0000	0.0869	0.0750	0	0	AS 77	1	3.10000D-03	3.00000D-04
	1.00000D-01	2.26330D-04	0.0001	0.0000	0.0076	0.0000	0.0016	0.0074			BR 77	4	2.34000D-02	1.00000D-03
116 SE 77	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AS 77	1	9.96900D-01	3.00000D-04
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			SE 77M	2	1.00000D+00	0.00000D+00
											BR 77	4	9.76600D-01	1.00000D-03
117 BR 77M	2.56800D+02	2.69920D-03	0.1062	0.0000	0.1062	0.0000	0.0144	0.0918	0	0	KR 77	4	9.20000D-02	8.00000D-03
	6.00000D+00	6.30650D-05	0.0002	0.0000	0.0011	0.0000	0.0007	0.0008						
118 BR 77	2.01600D+05	3.43820D-06	0.0000	1.3647	0.3030	0.0011	0.3019	0.0000	0	0	BR 77M	2	1.00000D+00	0.00000D+00
	7.20000D+03	1.22790D-07	0.0000	0.0028	0.0175	0.0002	0.0175	0.0000			KR 77	4	9.08000D-01	8.00000D-03
119 KR 77	4.48200D+03	1.54650D-04	0.0000	3.0050	1.6422	0.6209	1.0132	0.0081	0	0				
	4.20000D+01	1.44920D-06	0.0000	0.0300	0.0737	0.0446	0.0587	0.0011						
120 NI 78	1.93700D-01	3.57850D+00	10.2000	0.0000	5.8060	3.9290	1.8770	0.0000	3	0				
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M,NUCL	DTYP	BRANCHING	ERROR OF BR
121	CU 78	4.63800D-01	1.49450D+00	12.1800	0.0000	7.8830	3.8300	4.0530	0.0000	3	0	NI 78	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
122	ZN 78	1.60000D+00	4.33220D-01	6.0100	0.0000	3.2900	2.2580	1.0320	0.0000	2	0	CU 78	1	1.00000D+00	0.00000D+00
		5.00000D-01	1.35380D-01	0.1800	0.0000	0.0000	0.0000	0.0000	0.0000						
123	GA 78	5.09000D+00	1.36180D-01	8.1400	0.0000	5.0620	2.9010	2.1610	0.0000	2	0	ZN 78	1	1.00000D+00	0.00000D+00
		5.00000D-02	1.33770D-03	0.1600	0.0000	0.0000	0.0000	0.0000	0.0000			ZN 79	6	3.00000D-03	2.00000D-03
124	GE 78	5.22000D+03	1.32790D-04	0.9800	0.0000	0.5148	0.2368	0.2781	0.0000	0	0	GA 78	1	1.00000D+00	0.00000D+00
		7.20000D+01	1.83150D-06	0.0200	0.0000	0.0157	0.0144	0.0062	0.0000			GA 79	6	4.00000D-04	2.00000D-04
125	AS 78	5.44200D+03	1.27370D-04	4.2900	0.0000	2.6716	1.2304	1.4412	0.0000	0	0	GE 78	1	1.00000D+00	0.00000D+00
		1.20000D+01	2.80860D-07	0.0700	0.0000	0.1528	0.1385	0.0647	0.0000						
126	SE 78	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AS 78	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			BR 78	4	9.99900D-01	1.00000D-04
127	BR 78	3.87600D+02	1.78830D-03	0.6920	3.5737	2.0579	1.0280	1.0299	0.0000	0	0				
		2.40000D+00	1.10730D-05	0.0090	0.0038	0.0658	0.0479	0.0450	0.0000						
128	KR 78	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	BR 78	1	1.00000D-04	1.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
129	CU 79	5.49200D-01	1.26210D+00	9.8580	0.0000	5.6790	3.7090	1.9700	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
130	ZN 79	1.00000D+00	6.93150D-01	8.6600	0.0000	5.9330	3.0160	2.9170	0.0000	2	0	CU 79	1	1.00000D+00	0.00000D+00
		5.00000D-01	3.46570D-01	1.7300	0.0000	0.0000	0.0000	0.0000	0.0000						
131	GA 79	3.00000D+00	2.31050D-01	6.7600	0.0000	3.6750	2.6130	1.0620	0.0000	2	0	ZN 79	1	9.97000D-01	2.00000D-03
		9.00000D-02	6.93150D-03	0.0800	0.0000	0.0000	0.0000	0.0000	0.0000						
132	GE 79	4.20000D+01	1.65030D-02	4.1500	0.0000	1.9494	1.7443	0.2051	0.0000	0	0	GA 79	1	9.99600D-01	2.00000D-04
		2.00000D+00	7.85880D-04	0.1400	0.0000	0.0704	0.0676	0.0195	0.0000			GA 80	6	4.00000D-03	2.00000D-03
133	AS 79	5.40000D+02	1.28360D-03	2.2000	0.0000	0.8670	0.8478	0.0193	0.0000	0	0	GE 79	1	1.00000D+00	0.00000D+00
		1.20000D+01	2.85250D-05	0.0500	0.0000	0.0233	0.0232	0.0012	0.0000						
134	SE 79M	2.34600D+02	2.95460D-03	0.0957	0.0000	0.0957	0.0000	0.0087	0.0870	0	0	AS 79	1	9.89400D-01	6.00000D-04
		3.00000D+00	3.77820D-05	0.0000	0.0000	0.0001	0.0000	0.0001	0.0001						
135	SE 79	2.05120D+12	3.37920D-13	0.1490	0.0000	0.0405	0.0405	0.0000	0.0000	0	1	AS 79	1	1.06000D-02	6.00000D-04
		4.10240D+11	6.75850D-14	0.0050	0.0000	0.0015	0.0015	0.0000	0.0000			SE 79M	2	1.00000D+00	0.00000D+00
136	BR 79M	4.88000D+00	1.42040D-01	0.2072	0.0000	0.2072	0.0000	0.1595	0.0477	0	0				
		5.00000D-02	1.45530D-03	0.0004	0.0000	0.0059	0.0000	0.0042	0.0041						
137	BR 79	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	SE 79	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			BR 79M	2	1.00000D+00	0.00000D+00
												KR 79	4	1.00000D+00	0.00000D+00
138	KR 79M	5.00000D+01	1.38630D-02	0.1300	0.0000	0.1300	0.0000	0.0372	0.0928	0	0	RB 79	4	3.70000D-01	3.00000D-02
		3.00000D+00	8.31780D-04	0.0000	0.0000	0.0037	0.0000	0.0026	0.0026						
139	KR 79	1.26140D+05	5.49490D-06	0.0000	1.6310	0.2682	0.0182	0.2501	0.0000	0	0	KR 79M	2	1.00000D+00	0.00000D+00
		3.60000D+02	1.56820D-08	0.0000	0.0080	0.0108	0.0027	0.0105	0.0000			RB 79	4	6.30000D-01	3.00000D-02
140	RB 79	1.37400D+03	5.04470D-04	0.0000	3.5800	2.1921	0.8022	1.3885	0.0014	0	0				
		3.00000D+01	1.10150D-05	0.0000	0.0650	0.0961	0.0613	0.0740	0.0002						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
141	NI 80	3.88800D-02	1.78280D+01	14.0500	0.0000	8.2660	5.3050	2.9610	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
142	CU 80	2.13300D-01	3.24960D+00	13.7100	0.0000	8.9140	4.3270	4.5870	0.0000	3	0	NI 80	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
143	ZN 80	1.12600D+00	6.15580D-01	7.2270	0.0000	4.0000	2.7580	1.2420	0.0000	3	0	CU 80	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
144	GA 80	1.66000D+00	4.17560D-01	9.9000	0.0000	6.6700	3.1220	3.5480	0.0000	2	0	ZN 80	1	1.00000D+00	0.00000D+00
		2.00000D-02	5.03080D-03	1.9800	0.0000	0.0000	0.0000	0.0000	0.0000						
145	GE 80	2.45000D+01	2.82920D-02	2.6300	0.0000	1.4348	0.8151	0.6197	0.0000	2	0	GA 80	1	9.96000D-01	2.00000D-03
		1.00000D+00	1.15480D-03	0.0700	0.0000	0.0000	0.0000	0.0000	0.0000			GA 81	6	4.50000D-02	2.00000D-02
146	AS 80	1.65000D+01	4.20090D-02	5.7000	0.0000	2.7380	2.4790	0.2590	0.0000	2	0	GE 80	1	1.00000D+00	0.00000D+00
		3.00000D-01	7.63800D-04	0.3000	0.0000	0.0000	0.0000	0.0000	0.0000						
147	SE 80	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AS 80	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			BR 80	4	8.40000D-02	6.00000D-03
												SE 79	3	1.00000D+00	0.00000D+00
148	BR 80M	1.59120D+04	4.35610D-05	0.0859	0.0000	0.0859	0.0000	0.0147	0.0712	0	0				
		3.60000D+01	9.85550D-08	0.0004	0.0000	0.0056	0.0000	0.0014	0.0054						
149	BR 80	1.04400D+03	6.63930D-04	2.0060	1.8703	0.8071	0.7277	0.0794	0.0000	0	0	BR 80M	2	1.00000D+00	0.00000D+00
		1.20000D+01	7.63140D-06	0.0110	0.0020	0.0089	0.0074	0.0048	0.0000						
150	KR 80	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	BR 80	1	9.16000D-01	6.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
151	CU 81	9.54100D-02	7.26490D+00	13.5800	0.0000	8.2830	4.8260	3.4570	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
152	ZN 81	2.67100D-01	2.59510D+00	11.2500	0.0000	6.7450	4.0320	2.7130	0.0000	3	0	CU 81	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
153	GA 81	1.23000D+00	5.63530D-01	7.2300	0.0000	3.9710	2.7840	1.1870	0.0000	2	0	ZN 81	1	1.00000D+00	0.00000D+00
		1.00000D-02	4.58160D-03	0.1900	0.0000	0.0000	0.0000	0.0000	0.0000						
154	GE 81	1.01000D+01	6.86280D-02	5.6000	0.0000	3.0070	2.1260	0.8810	0.0000	2	0	GA 81	1	9.55000D-01	2.00000D-02
		8.00000D-01	5.43590D-03	1.1200	0.0000	0.0000	0.0000	0.0000	0.0000			GA 82	6	7.00000D-02	3.00000D-02
155	AS 81	3.30000D+01	2.10040D-02	3.7500	0.0000	1.7103	1.5706	0.1396	0.0000	0	0	GE 81	1	1.00000D+00	0.00000D+00
		2.00000D+00	1.27300D-03	0.1000	0.0000	0.2689	0.2688	0.0065	0.0000						
156	SE 81M	3.43500D+03	2.01790D-04	0.1031	0.0000	0.1035	0.0002	0.0134	0.0899	0	0	AS 81	1	1.31000D-02	1.30000D-03
		5.40000D+00	3.17220D-07	0.0001	0.0000	0.0044	0.0000	0.0015	0.0041						
157	SE 81	1.11000D+03	6.24460D-04	1.5850	0.0000	0.6175	0.6118	0.0057	0.0000	0	0	AS 81	1	9.86900D-01	1.30000D-03
		6.00000D+00	3.37540D-06	0.0070	0.0000	0.1218	0.1218	0.0006	0.0000			SE 81M	2	9.99500D-01	2.00000D-04
158	BR 81	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	SE 81M	1	5.00000D-04	2.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			SE 81	1	1.00000D+00	0.00000D+00
												KR 81	4	1.00000D+00	0.00000D+00
159	KR 81M	1.30000D+01	5.33190D-02	0.1901	0.0000	0.1901	0.0000	0.1236	0.0665	0	0	RB 81	4	9.72500D-01	7.50000D-03
		2.00000D+00	8.20290D-03	0.0003	0.0000	0.0108	0.0000	0.0076	0.0076						
160	KR 81	6.62260D+12	1.04670D-13	0.0000	0.2690	0.0099	0.0000	0.0099	0.0000	0	0	KR 81M	2	1.00000D+00	0.00000D+00
		6.30720D+11	9.96800D-15	0.0000	0.0190	0.0014	0.0000	0.0014	0.0000			RB 81M	4	1.00000D-01	5.00000D-02
												RB 81	4	2.75000D-02	7.50000D-03

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
161	RB 81M	1.92000D+03	3.61010D-04	0.0850	0.0000	0.1728	0.0349	0.0656	0.0722	0	0				
		1.20000D+02	2.25630D-05	0.0020	0.0000	0.0146	0.0058	0.0103	0.0087						
162	RB 81	1.64880D+04	4.20390D-05	0.0000	2.2620	0.7384	0.1510	0.5874	0.0000	0	0	RB 81M	2	9.00000D-01	5.00000D-02
		3.60000D+01	9.17890D-08	0.0000	0.0300	0.0375	0.0138	0.0349	0.0000						
163	NI 82	2.01800D-02	3.43480D+01	15.9900	0.0000	9.5190	5.9830	3.5360	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
164	CU 82	1.24600D-01	5.56300D+00	14.9100	0.0000	9.7510	4.6890	5.0620	0.0000	3	0	NI 82	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
165	ZN 82	1.21900D-01	5.68620D+00	11.1300	0.0000	6.4150	4.2340	2.1810	0.0000	3	0	CU 82	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
166	GA 82	6.00000D-01	1.15530D+00	12.3000	0.0000	7.9270	3.7960	4.1310	0.0000	2	0	ZN 82	1	1.00000D+00	0.00000D+00
		1.00000D-02	1.92540D-02	2.4600	0.0000	0.0000	0.0000	0.0000	0.0000						
167	GE 82	4.60000D+00	1.50680D-01	4.4000	0.0000	2.2142	1.4490	0.7652	0.0000	2	0	GA 82	1	9.30000D-01	3.00000D-02
		3.50000D-01	1.14650D-02	0.8800	0.0000	0.0000	0.0000	0.0000	0.0000			GA 83	6	4.20000D-01	1.00000D-01
168	AS 82M	1.30000D+01	5.33190D-02	0.0000	0.0000	4.7170	1.9540	2.7630	0.0000	2	0	GE 83	6	5.00000D-04	3.00000D-04
		6.00000D-01	2.46090D-03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
169	AS 82	2.10000D+01	3.30070D-02	7.4000	0.0000	4.9440	1.9900	2.9540	0.0000	2	0	GE 82	1	1.00000D+00	0.00000D+00
		2.00000D+00	3.14350D-03	1.4800	0.0000	0.0000	0.0000	0.0000	0.0000						
170	SE 82	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AS 82M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			AS 82	1	1.00000D+00	0.00000D+00
171	BR 82M	3.67800D+02	1.88460D-03	0.0460	0.0000	0.0787	0.0317	0.0022	0.0448	0	0				
		4.80000D+00	2.45950D-05	0.0020	0.0000	0.0022	0.0000	0.0002	0.0022						
172	BR 82	1.27080D+05	5.45440D-06	3.0926	0.0880	2.7875	0.1369	2.6507	0.0000	0	0	BR 82M	2	9.76000D-01	6.00000D-03
		7.20000D+01	3.09030D-09	0.0015	0.0120	0.0701	0.0005	0.0701	0.0000						
173	KR 82	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	BR 82M	1	2.40000D-02	6.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			BR 82	1	1.00000D+00	0.00000D+00
174	ZN 83	1.59900D-01	4.33490D+00	12.6500	0.0000	8.0550	4.1020	3.9530	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
175	GA 83	3.10000D-01	2.23600D+00	11.0000	0.0000	7.6240	3.8810	3.7430	0.0000	2	0	ZN 83	1	1.00000D+00	0.00000D+00
		1.00000D-02	7.21280D-02	2.2000	0.0000	0.0000	0.0000	0.0000	0.0000						
176	GE 83	1.90000D+00	3.64810D-01	7.4000	0.0000	5.1330	2.6890	2.4440	0.0000	2	0	GA 83	1	5.80000D-01	1.00000D-01
		4.00000D-01	7.68030D-02	1.4800	0.0000	0.0000	0.0000	0.0000	0.0000						
177	AS 83	1.41000D+01	4.91590D-02	5.4600	0.0000	2.9930	2.0000	0.9930	0.0000	2	0	GE 83	1	9.99500D-01	5.00000D-04
		1.10000D+00	3.83510D-03	0.2200	0.0000	0.0000	0.0000	0.0000	0.0000			GE 84	6	9.00000D-02	4.00000D-02
178	SE 83M	7.04000D+01	9.84580D-03	0.2285	0.0000	2.1676	1.2409	0.9267	0.0000	0	0	AS 83	1	6.40000D-01	4.00000D-02
		3.00000D-01	4.19570D-05	0.0005	0.0000	0.0857	0.0255	0.0818	0.0000			AS 84	6	1.30000D-03	6.00000D-04
179	SE 83	1.35000D+03	5.13440D-04	3.6150	0.0000	2.9210	0.4861	2.4350	0.0000	0	0	AS 83	1	3.60000D-01	4.00000D-02
		1.20000D+01	4.56390D-06	0.0310	0.0000	0.1291	0.0372	0.1236	0.0000						
180	BR 83	8.60400D+03	8.05610D-05	0.9600	0.0000	0.3286	0.3200	0.0086	0.0000	0	0	SE 83M	1	1.00000D+00	0.00000D+00
		7.20000D+01	6.74150D-07	0.0150	0.0000	0.0640	0.0640	0.0006	0.0000			SE 83	1	1.00000D+00	0.00000D+00

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
181	KR 83M	6.58800D+03	1.05210D-04	0.0416	0.0000	0.0416	0.0000	0.0005	0.0411	0	0	BR 83	1	9.99800D-01	1.00000D-04
		7.20000D+01	1.14990D-06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			RB 83	4	7.70000D-01	3.00000D-02
182	KR 83	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	BR 83	1	2.00000D-04	1.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			KR 83M	2	1.00000D+00	0.00000D+00
												RB 83	4	2.30000D-01	3.00000D-02
183	RB 83	7.44770D+06	9.30690D-08	0.0000	0.9980	0.5041	0.0000	0.5041	0.0000	0	0	SR 83	4	1.00000D+00	0.00000D+00
		8.64000D+03	1.07970D-10	0.0000	0.0320	0.0308	0.0000	0.0308	0.0000						
184	SR 83	1.16640D+05	5.94260D-06	0.0000	2.2500	0.9398	0.1272	0.7898	0.0228	0	0				
		7.20000D+02	3.66830D-08	0.0000	0.0100	0.0614	0.0136	0.0599	0.0021						
185	ZN 84	6.31600D-02	1.09740D+01	13.0300	0.0000	7.9200	4.6230	3.2970	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
186	GA 84	2.21600D-01	3.12790D+00	13.5700	0.0000	8.8610	4.2280	4.6330	0.0000	3	0	ZN 84	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
187	GE 84	1.20000D+00	5.77620D-01	6.7000	0.0000	5.0060	2.5460	2.4600	0.0000	2	0	GA 84	1	1.00000D+00	0.00000D+00
		3.00000D-01	1.44410D-01	1.3400	0.0000	0.0000	0.0000	0.0000	0.0000						
188	AS 84	5.80000D+00	1.19510D-01	9.7800	0.0000	6.2390	2.8340	3.4050	0.0000	2	0	GE 84	1	9.10000D-01	4.00000D-02
		5.00000D-01	1.03020D-02	1.9600	0.0000	0.0000	0.0000	0.0000	0.0000						
189	SE 84	1.98000D+02	3.50070D-03	1.8180	0.0000	0.9432	0.5363	0.4069	0.0000	0	0	AS 84	1	9.98700D-01	6.00000D-04
		1.20000D+01	2.12170D-04	0.0290	0.0000	0.1021	0.0815	0.0616	0.0000			AS 85	6	2.30000D-01	3.00000D-02
190	BR 84M	3.60000D+02	1.92540D-03	0.3200	0.0000	3.6761	0.9077	2.7684	0.0000	0	0				
		1.20000D+01	6.41800D-05	0.0130	0.0000	0.1544	0.0135	0.1538	0.0000						
191	BR 84	1.90800D+03	3.63280D-04	4.6730	0.0000	3.0413	1.2537	1.7876	0.0000	0	0	SE 84	1	1.00000D+00	0.00000D+00
		4.80000D+00	9.13920D-07	0.0260	0.0000	0.1538	0.1112	0.1062	0.0000						
192	KR 84	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	BR 84M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			BR 84	1	1.00000D+00	0.00000D+00
												RB 84	4	9.64000D-01	4.00000D-03
193	RB 84M	1.23000D+03	5.63530D-04	0.4642	0.0000	0.4650	0.0000	0.3795	0.0855	0	0				
		1.20000D+01	5.49790D-06	0.0004	0.0000	0.0044	0.0000	0.0036	0.0026						
194	RB 84	2.85120D+06	2.43110D-07	0.8900	2.6801	1.0612	0.1474	0.9138	0.0000	0	0	RB 84M	2	1.00000D+00	0.00000D+00
		1.72800D+04	1.47340D-09	0.0035	0.0028	0.0188	0.0036	0.0184	0.0000						
195	SR 84	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	RB 84	1	3.60000D-02	4.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
196	GA 85	9.72700D-02	7.12600D+00	13.8100	0.0000	8.8140	4.5090	4.3050	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
197	GE 85	7.75800D-01	8.93460D-01	9.7180	0.0000	6.2120	3.0290	3.1830	0.0000	3	0	GA 85	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
198	AS 85	2.08000D+00	3.33240D-01	9.1000	0.0000	5.8410	2.8360	3.0050	0.0000	2	0	GE 85	1	1.00000D+00	0.00000D+00
		5.00000D-02	8.01070D-03	1.8200	0.0000	0.0000	0.0000	0.0000	0.0000						
199	SE 85	3.28000D+01	2.11320D-02	6.1000	0.0000	4.0180	1.6300	2.3880	0.0000	2	0	AS 85	1	7.70000D-01	3.00000D-02
		3.00000D-01	1.93280D-04	1.2200	0.0000	0.0000	0.0000	0.0000	0.0000			AS 86	6	1.05000D-01	2.20000D-02
200	BR 85	1.72000D+02	4.02990D-03	2.8000	0.0000	1.0775	1.0115	0.0660	0.0000	0	0	SE 85	1	1.00000D+00	0.00000D+00
		2.00000D+00	4.68600D-05	0.1000	0.0000	0.0485	0.0482	0.0053	0.0000						

NO. NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
201 KR 85M	1.56960D+04	4.41610D-05	0.3049	0.0000	0.4123	0.2287	0.1573	0.0262	0	0	BR 85	1	9.98200D-01	2.00000D-04
	3.24000D+02	9.11580D-07	0.0000	0.0000	0.0029	0.0019	0.0015	0.0016			KR 84	3	6.80000D-01	1.20000D-01
202 KR 85	3.38610D+08	2.04710D-09	0.6870	0.0000	0.2301	0.2279	0.0022	0.0000	0	1	BR 85	1	1.80000D-03	2.00000D-04
	1.89340D+06	1.14470D-11	0.0020	0.0000	0.0008	0.0008	0.0000	0.0000			KR 85M	2	2.11000D-01	6.00000D-03
											KR 84	3	3.20000D-01	5.00000D-01
203 RB 85	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	KR 85M	1	7.89000D-01	1.00000D-02
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			KR 85	1	1.00000D+00	0.00000D+00
											SR 85M	4	1.28000D-01	1.20000D-02
											SR 85	4	1.00000D+00	0.00000D+00
204 SR 85M	4.17000D+03	1.66220D-04	0.2386	0.0000	0.2268	0.0000	0.2150	0.0118	0	0	Y 85M	4	1.00000D+00	0.00000D+00
	3.00000D+01	1.19580D-06	0.0001	0.0000	0.0103	0.0000	0.0103	0.0006			Y 85	4	4.10000D-02	8.00000D-03
205 SR 85	5.63240D+06	1.23060D-07	0.0000	1.0640	0.5090	0.0000	0.5038	0.0051	0	0	SR 85M	2	8.72000D-01	1.20000D-02
	1.12320D+04	2.45410D-10	0.0000	0.0070	0.0052	0.0000	0.0051	0.0005			Y 85	4	9.59000D-01	8.00000D-03
206 Y 85M	9.64800D+03	7.18440D-05	0.0400	0.0000	1.5916	0.5042	1.0874	0.0000	0	0				
	1.80000D+02	1.34040D-06	0.0020	0.0000	0.0927	0.0522	0.0766	0.0000						
207 Y 85	1.72800D+04	4.01130D-05	0.0000	3.2600	1.8534	0.5660	1.2874	0.0000	0	0				
	7.20000D+02	1.67140D-06	0.0000	0.0100	0.1859	0.1025	0.1551	0.0000						
208 ZN 86	3.28400D-02	2.11070D+01	14.7000	0.0000	8.9460	5.2610	3.6850	0.0000	3	0				
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
209 GA 86	1.20000D-01	5.77620D+00	14.9500	0.0000	9.8190	4.6470	5.1720	0.0000	3	0	ZN 86	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
210 GE 86	2.83100D-01	2.44840D+00	9.8430	0.0000	5.9980	3.3620	2.6360	0.0000	3	0	GA 86	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
211 AS 86	9.00000D-01	7.70160D-01	10.1800	0.0000	7.0950	3.3170	3.7780	0.0000	2	0	GE 86	1	1.00000D+00	0.00000D+00
	2.00000D-01	1.71150D-01	2.0400	0.0000	0.0000	0.0000	0.0000	0.0000						
212 SE 86	1.67000D+01	4.15060D-02	5.1000	0.0000	3.3140	1.3500	1.9640	0.0000	2	0	AS 86	1	8.95000D-01	2.20000D-02
	3.00000D-01	7.45610D-04	1.0200	0.0000	0.0000	0.0000	0.0000	0.0000			AS 87	6	4.40000D-01	1.40000D-01
213 BR 86	5.57000D+01	1.24440D-02	7.3000	0.0000	4.8830	1.9470	2.9360	0.0000	2	0	SE 86	1	1.00000D+00	0.00000D+00
	1.40000D-01	3.12780D-05	0.4000	0.0000	0.0000	0.0000	0.0000	0.0000			SE 87	6	2.10000D-03	3.00000D-04
214 KR 86	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	BR 86	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			BR 87	6	2.37000D-02	1.40000D-03
											RB 86	4	5.20000D-05	5.00000D-06
											KR 85	3	1.00000D+00	0.00000D+00
215 RB 86M	6.10200D+01	1.13590D-02	0.5560	0.0000	0.5560	0.0000	0.5460	0.0100	0	0	RB 85	3	1.10000D-01	2.00000D-02
	1.80000D-01	3.35080D-05	0.0002	0.0000	0.0055	0.0000	0.0055	0.0006						
216 RB 86	1.61220D+06	4.29930D-07	1.7744	0.5260	0.7507	0.6561	0.0946	0.0000	0	0	RB 86M	2	1.00000D+00	0.00000D+00
	1.72800D+03	4.60810D-10	0.0019	0.0050	0.0013	0.0010	0.0009	0.0000			RB 85	3	8.90000D-01	3.00000D-02
217 SR 86	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	RB 86	1	9.99948D-01	5.00000D-06
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
218 GE 87	3.27000D-01	2.11970D+00	11.1300	0.0000	7.1180	3.5330	3.5850	0.0000	3	0				
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
219 AS 87	7.30000D-01	9.49520D-01	10.4100	0.0000	6.9130	3.4400	3.4730	0.0000	2	0	GE 87	1	1.00000D+00	0.00000D+00
	6.00000D-02	7.80420D-02	2.0800	0.0000	0.0000	0.0000	0.0000	0.0000						
220 SE 87	5.60000D+00	1.23780D-01	7.2700	0.0000	4.7230	2.0790	2.6440	0.0000	2	0	AS 87	1	5.60000D-01	1.40000D-01
	1.60000D-01	3.53650D-03	1.4600	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
221	BR 87	5.56000D+01	1.24670D-02	6.5000	0.0000	4.2230	1.8130	2.4100	0.0000	2	0	SE 87	1	9.97900D-01	3.00000D-04
		1.00000D-01	2.24220D-05	1.3000	0.0000	0.0000	0.0000	0.0000	0.0000			SE 88	6	7.50000D-03	6.00000D-04
222	KR 87	4.57860D+03	1.51390D-04	3.8890	0.0000	2.0898	1.3144	0.7754	0.0000	0	1	BR 87	1	9.76300D-01	1.40000D-03
		3.72000D+01	1.23000D-06	0.0050	0.0000	0.0753	0.0717	0.0230	0.0000			BR 88	6	6.90000D-02	3.00000D-03
223	RB 87	1.48320D+18	4.67340D-19	0.2733	0.0000	0.0788	0.0788	0.0000	0.0000	0	1	KR 87	1	1.00000D+00	0.00000D+00
		2.96640D+17	9.34680D-20	0.0019	0.0000	0.0006	0.0006	0.0000	0.0000			SR 87M	4	3.00000D-03	1.50000D-03
224	SR 87M	1.01880D+04	6.80360D-05	0.3884	-0.2733	0.3795	0.0000	0.3107	0.0687	0	0	Y 87	4	1.00000D+00	0.00000D+00
		1.80000D+02	1.20200D-06	0.0002	0.0019	0.0012	0.0000	0.0012	0.0004						
225	SR 87	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	RB 87	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			SR 87M	2	9.97000D-01	1.50000D-03
												Y 87M	4	1.65000D-02	2.00000D-03
226	Y 87M	4.75200D+04	1.45860D-05	0.3811	0.0000	0.3863	0.0040	0.3049	0.0774	0	0	ZR 87	4	9.90000D-01	1.00000D-02
		7.20000D+02	2.21010D-07	0.0005	0.0000	0.0055	0.0005	0.0040	0.0038						
227	Y 87	2.89080D+05	2.39780D-06	0.0000	1.8617	0.4504	0.0003	0.4501	0.0000	0	0	Y 87M	2	9.83500D-01	2.00000D-03
		1.08000D+03	8.95800D-09	0.0000	0.0013	0.0026	0.0002	0.0026	0.0000			ZR 87	4	1.00000D-02	5.00000D-03
228	ZR 87M	1.40000D+01	4.95110D-02	0.3360	0.0000	0.3360	0.0000	0.2396	0.0964	0	0				
		2.00000D-01	7.07290D-04	0.0007	0.0000	0.0045	0.0000	0.0043	0.0014						
229	ZR 87	5.47200D+03	1.26670D-04	0.0000	3.5800	1.6638	0.7544	0.9094	0.0000	0	0	ZR 87M	2	1.00000D+00	0.00000D+00
		9.72000D+02	2.25010D-05	0.0000	0.0800	0.1137	0.0778	0.0830	0.0000						
230	GE 88	1.19200D-01	5.81500D+00	11.5000	0.0000	7.0090	4.0060	3.0030	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
231	AS 88	4.11600D-01	1.68400D+00	12.2100	0.0000	7.9730	3.7520	4.2210	0.0000	3	0	GE 88	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
232	SE 88	1.53000D+00	4.53040D-01	7.0000	0.0000	4.1200	2.4040	1.7160	0.0000	2	0	AS 88	1	1.00000D+00	0.00000D+00
		6.00000D-02	1.77660D-02	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000						
233	BR 88	1.63000D+01	4.25240D-02	8.6000	0.0000	5.6640	2.4540	3.2100	0.0000	2	0	SE 88	1	9.92500D-01	6.00000D-04
		3.00000D-01	7.82660D-04	1.7200	0.0000	0.0000	0.0000	0.0000	0.0000			SE 89	6	5.00000D-02	1.50000D-02
234	KR 88	1.02960D+04	6.73220D-05	2.9130	0.0000	2.3374	0.3613	1.9698	0.0063	0	0	BR 88	1	9.31000D-01	3.00000D-03
		7.20000D+01	4.70780D-07	0.0170	0.0000	0.1499	0.0504	0.1412	0.0006			BR 89	6	1.53000D-01	2.00000D-02
												KR 87	3	1.00000D+00	0.00000D+00
235	RB 88	1.06800D+03	6.49010D-04	5.3090	0.0000	3.6870	1.1930	2.4940	0.0000	2	0	KR 88	1	1.00000D+00	0.00000D+00
		6.00000D+00	3.64610D-06	0.0110	0.0000	0.0000	0.0000	0.0000	0.0000			RB 87	3	1.00000D+00	0.00000D+00
236	SR 88	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	RB 88	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			Y 88	4	1.00000D+00	0.00000D+00
237	Y 88	9.21110D+06	7.52510D-08	0.0000	3.6128	2.6696	0.0007	2.6689	0.0000	0	0	ZR 88	4	1.00000D+00	0.00000D+00
		1.72800D+03	1.41170D-11	0.0000	0.0034	0.0068	0.0001	0.0068	0.0000						
238	ZR 88	7.20580D+06	9.61930D-08	0.0000	0.6770	0.3937	0.0000	0.3831	0.0106	0	0				
		2.59200D+04	3.46020D-10	0.0000	0.0110	0.0015	0.0000	0.0013	0.0008						
239	AS 89	1.76700D-01	3.92270D+00	12.3900	0.0000	7.9200	3.9770	3.9430	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
240	SE 89	4.10000D-01	1.69060D+00	8.6300	0.0000	5.0200	3.1260	1.8940	0.0000	2	0	AS 89	1	1.00000D+00	0.00000D+00
		4.00000D-02	1.64940D-01	1.7300	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
241	BR 89	4.38000D+00	1.58250D-01	8.0400	0.0000	5.1410	2.3730	2.7680	0.0000	2	0	SE 89	1	9.50000D-01	1.50000D-02
		3.00000D-02	1.08390D-03	1.6100	0.0000	0.0000	0.0000	0.0000	0.0000			SE 90	6	1.10000D-01	5.00000D-02
242	KR 89	1.84200D+02	3.76300D-03	4.9700	0.0000	3.1724	1.3280	1.8444	0.0000	0	0	BR 89	1	8.47000D-01	2.00000D-02
		5.40000D+00	1.10320D-04	0.0600	0.0000	0.1342	0.0964	0.0933	0.0000			BR 90	6	2.12000D-01	2.40000D-02
243	RB 89	9.24000D+02	7.50160D-04	4.4860	0.0000	3.0828	1.0117	2.0711	0.0000	0	0	KR 89	1	1.00000D+00	0.00000D+00
		1.20000D+01	9.74230D-06	0.0120	0.0000	0.1687	0.1205	0.1180	0.0000						
244	SR 89	4.36320D+06	1.58860D-07	1.4922	0.0000	0.5683	0.5683	0.0000	0.0000	0	0	RB 89	1	1.00000D+00	0.00000D+00
		8.64000D+03	3.14580D-10	0.0033	0.0000	0.0015	0.0015	0.0000	0.0000						
245	Y 89M	1.60600D+01	4.31600D-02	0.9091	0.0000	0.9091	0.0000	0.9013	0.0078	0	0	SR 89	1	1.50000D-04	5.00000D-05
		4.00000D-02	1.07500D-04	0.0001	0.0000	0.0005	0.0000	0.0004	0.0004			ZR 89	4	9.98700D-01	3.00000D-04
246	Y 89	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	SR 89	1	9.99850D-01	5.00000D-05
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			Y 89M	2	1.00000D+00	0.00000D+00
												ZR 89M	4	6.90000D-02	7.00000D-03
												ZR 89	4	1.30000D-03	3.00000D-04
247	ZR 89M	2.49600D+02	2.77700D-03	0.5878	0.0000	0.6864	0.0116	0.6342	0.0406	0	0	NB 89M	4	1.00000D+00	0.00000D+00
		3.60000D+00	4.00530D-05	0.0001	0.0000	0.0165	0.0010	0.0160	0.0041			NB 89	4	1.26000D-02	6.00000D-04
248	ZR 89	2.80800D+05	2.46850D-06	0.0000	2.8358	0.3352	0.0891	0.2461	0.0000	0	0	ZR 89M	2	9.31000D-01	7.00000D-03
		7.20000D+02	6.32940D-09	0.0000	0.0023	0.0329	0.0120	0.0307	0.0000			NB 89	4	9.87400D-01	6.00000D-04
249	NB 89M	3.96000D+03	1.75040D-04	0.1000	0.0000	2.1689	0.8249	1.3440	0.0000	1	0				
		1.20000D+02	5.30420D-06	0.0500	0.0000	0.1009	0.0637	0.0782	0.0000						
250	NB 89	7.32000D+03	9.46920D-05	0.0000	4.2390	2.4674	1.0851	1.3823	0.0000	0	0				
		2.40000D+02	3.10470D-06	0.0000	0.0190	0.0967	0.0729	0.0635	0.0000						
251	SE 90	6.00000D-01	1.15530D+00	7.4700	0.0000	5.5370	2.9040	2.6330	0.0000	2	0				
		1.20000D-01	2.31050D-01	1.5000	0.0000	0.0000	0.0000	0.0000	0.0000						
252	BR 90	1.92000D+00	3.61010D-01	10.3300	0.0000	6.7510	3.0890	3.6620	0.0000	2	0	SE 90	1	8.90000D-01	5.00000D-02
		6.00000D-02	1.12820D-02	2.0700	0.0000	0.0000	0.0000	0.0000	0.0000			SE 91	6	2.10000D-01	8.00000D-02
253	KR 90	3.23200D+01	2.14460D-02	4.3900	0.0000	2.5804	1.3380	1.2361	0.0063	0	0	BR 90	1	7.88000D-01	2.40000D-02
		9.00000D-02	5.97210D-05	0.0500	0.0000	0.1129	0.0940	0.0624	0.0004			BR 91	6	1.08000D-01	1.70000D-02
254	RB 90M	2.58000D+02	2.68660D-03	0.1069	0.0000	4.2100	1.5440	2.6660	0.0000	2	0	KR 90	1	1.22000D-01	1.50000D-02
		5.00000D+00	5.20660D-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
255	RB 90	1.53000D+02	4.53040D-03	6.3600	0.0000	4.3300	1.5710	2.7590	0.0000	2	0	KR 90	1	8.78000D-01	1.50000D-02
		3.00000D+00	8.88310D-05	0.0600	0.0000	0.0000	0.0000	0.0000	0.0000			RB 90M	2	4.30000D-02	8.00000D-03
256	SR 90	8.99370D+08	7.70700D-10	0.5460	0.0000	0.1739	0.1739	0.0000	0.0000	0	1	RB 90M	1	9.57000D-01	8.00000D-03
		2.52460D+07	2.16340D-11	0.0020	0.0000	0.0007	0.0007	0.0000	0.0000			RB 90	1	1.00000D+00	0.00000D+00
257	Y 90M	1.14840D+04	6.03580D-05	0.6820	0.0000	0.6820	0.0000	0.6306	0.0514	0	0	Y 89	3	8.00000D-04	2.00000D-04
		3.60000D+01	1.89210D-07	0.0000	0.0000	0.0036	0.0000	0.0026	0.0026						
258	Y 90	2.30760D+05	3.00380D-06	2.2839	0.0000	0.9300	0.9298	0.0000	0.0003	0	0	SR 90	1	1.00000D+00	0.00000D+00
		3.60000D+02	4.68600D-09	0.0025	0.0000	0.0012	0.0012	0.0000	0.0000			Y 90M	2	9.99920D-01	4.00000D-05
												Y 89	3	9.99200D-01	1.20000D-01
259	ZR 90M	8.09000D-01	8.56790D-01	2.3189	0.0000	2.3187	0.0000	2.3025	0.0162	0	0	Y 90M	1	8.00000D-05	4.00000D-05
		2.00000D-02	2.11820D-02	0.0001	0.0000	0.1977	0.0000	0.1976	0.0027			NB 90	4	9.80000D-01	1.00000D-02
260	ZR 90	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	Y 90	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			ZR 90M	2	1.00000D+00	0.00000D+00
												NB 90	4	2.00000D-02	1.00000D-02

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
261	NB 90M	1.88000D+01	3.68690D-02	0.1246	0.0000	0.1247	0.0000	0.0771	0.0476	0	0	MO 90	4	9.35000D-01	5.00000D-03
		1.00000D-01	1.96120D-04	0.0004	0.0000	0.0035	0.0000	0.0024	0.0024						
262	NB 90	5.25600D+04	1.31880D-05	0.0000	6.1118	2.6872	0.3527	2.3035	0.0311	0	0	NB 90M	2	1.00000D+00	0.00000D+00
		1.80000D+02	4.51630D-08	0.0000	0.0040	0.3646	0.0405	0.3623	0.0042			MO 90	4	6.50000D-02	5.00000D-03
263	MO 90	2.04120D+04	3.39580D-05	0.0000	2.4890	0.9696	0.1192	0.8094	0.0410	0	0				
		1.80000D+02	2.99450D-07	0.0000	0.0040	0.0498	0.0183	0.0460	0.0054						
264	SE 91	2.70000D-01	2.56720D+00	10.3100	0.0000	6.9110	3.7850	3.1260	0.0000	2	0				
		8.00000D-02	7.60660D-01	2.0600	0.0000	0.0000	0.0000	0.0000	0.0000						
265	BR 91	5.42000D-01	1.27890D+00	9.1800	0.0000	5.5560	3.4170	2.1390	0.0000	2	0	SE 91	1	7.90000D-01	8.00000D-02
		8.00000D-02	1.88760D-01	1.8400	0.0000	0.0000	0.0000	0.0000	0.0000						
266	KR 91	8.57000D+00	8.08810D-02	6.2000	0.0000	3.6720	2.0550	1.6170	0.0000	2	0	BR 91	1	8.92000D-01	1.70000D-02
		4.00000D-02	3.77510D-04	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000			BR 92	6	2.20000D-01	6.00000D-02
267	RB 91	5.82000D+01	1.19100D-02	5.7000	0.0000	3.7720	1.4760	2.2960	0.0000	2	0	KR 91	1	1.00000D+00	0.00000D+00
		2.00000D-01	4.09270D-05	0.0400	0.0000	0.0000	0.0000	0.0000	0.0000			KR 92	6	3.30000D-04	3.00000D-05
268	SR 91	3.41280D+04	2.03100D-05	2.6840	0.0000	1.3552	0.6523	0.7029	0.0000	0	0	RB 91	1	1.00000D+00	0.00000D+00
		3.60000D+01	2.14240D-08	0.0040	0.0000	0.0813	0.0785	0.0213	0.0000			RB 92	6	1.20000D-04	1.00000D-05
												SR 90	3	1.00000D+00	0.00000D+00
269	Y 91M	2.98260D+03	2.32400D-04	0.5556	0.0000	0.5556	0.0000	0.5272	0.0283	0	0	SR 91	1	5.71000D-01	4.00000D-03
		2.40000D+00	1.87000D-07	0.0000	0.0000	0.0016	0.0000	0.0011	0.0011						
270	Y 91	5.05530D+06	1.37110D-07	1.5430	0.0000	0.5916	0.5890	0.0027	0.0000	0	0	SR 91	1	4.29000D-01	4.00000D-03
		5.18400D+03	1.40610D-10	0.0020	0.0000	0.0009	0.0009	0.0002	0.0000			Y 91M	2	1.00000D+00	0.00000D+00
271	ZR 91	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	Y 91	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			NB 91M	4	3.40000D-02	5.00000D-03
												NB 91	4	1.00000D+00	0.00000D+00
272	NB 91M	5.35680D+06	1.29400D-07	0.1045	0.0000	0.1419	0.0000	0.0416	0.1003	0	0	MO 91M	4	4.80000D-01	2.00000D-02
		4.32000D+05	1.04350D-08	0.0001	0.0000	0.0061	0.0000	0.0060	0.0010						
273	NB 91	1.98810D+10	3.48650D-11	0.0000	1.2557	0.0019	0.0002	0.0017	0.0000	0	0	NB 91M	2	9.66000D-01	5.00000D-03
		6.31140D+08	1.10680D-12	0.0000	0.0026	0.0007	0.0000	0.0007	0.0000			MO 91	4	1.00000D+00	0.00000D+00
274	MO 91M	6.80000D+01	1.01930D-02	0.6529	0.0000	1.7867	0.5326	1.2371	0.0170	0	0				
		2.00000D+00	2.99800D-04	0.0003	0.0000	0.0841	0.0472	0.0695	0.0033						
275	MO 91	9.29400D+02	7.45800D-04	0.0000	4.4380	2.4453	1.4581	0.9872	0.0000	0	0	MO 91M	2	5.20000D-01	2.00000D-02
		6.00000D-01	4.81470D-07	0.0000	0.0130	0.1672	0.1396	0.0920	0.0000						
276	SE 92	1.22800D-01	5.64450D+00	10.9700	0.0000	6.3500	4.1130	2.2370	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
277	BR 92	3.62000D-01	1.91480D+00	12.0100	0.0000	7.2050	4.0060	3.1990	0.0000	2	0	SE 92	1	1.00000D+00	0.00000D+00
		1.20000D-02	6.34730D-02	2.4000	0.0000	0.0000	0.0000	0.0000	0.0000						
278	KR 92	1.85000D+00	3.74670D-01	6.0800	0.0000	3.3400	2.2620	1.0780	0.0000	2	0	BR 92	1	7.80000D-01	6.00000D-02
		1.00000D-02	2.02530D-03	0.0700	0.0000	0.0000	0.0000	0.0000	0.0000						
279	RB 92	4.50000D+00	1.54030D-01	7.7700	0.0000	4.4220	2.8560	1.5660	0.0000	2	0	KR 92	1	9.99670D-01	3.00000D-05
		2.00000D-02	6.84590D-04	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000			KR 93	6	2.10000D-02	3.00000D-03
280	SR 92	9.75600D+03	7.10480D-05	1.9300	0.0000	1.5323	0.1932	1.3391	0.0000	0	0	RB 92	1	9.99880D-01	1.00000D-05
		7.20000D+01	5.24340D-07	0.0300	0.0000	0.0725	0.0278	0.0670	0.0000			RB 93	6	1.38000D-02	1.10000D-03

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
281	Y 92	1.27440D+04	5.43900D-05	3.6540	0.0000	1.7034	1.4550	0.2484	0.0000	0	0	SR 92	1	1.00000D+00	0.00000D+00
		3.60000D+01	1.53640D-07	0.0160	0.0000	0.3382	0.3379	0.0159	0.0000						
282	ZR 92	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	Y 92	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			NB 92M	4	1.00000D+00	0.00000D+00
												NB 92	4	1.00000D+00	0.00000D+00
												ZR 91	3	1.00000D+00	0.00000D+00
283	NB 92M	8.76960D+05	7.90400D-07	0.1360	0.0000	0.9582	0.0000	0.9581	0.0000	0	0				
		1.72800D+03	1.55740D-09	0.0020	0.0000	0.0927	0.0000	0.0927	0.0000						
284	NB 92	1.13600D+15	6.10140D-16	0.3590	2.0080	1.4956	0.0000	1.4956	0.0000	0	0				
		9.46710D+13	5.08450D-17	0.0040	0.0019	0.0002	0.0000	0.0002	0.0000						
285	MO 92	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
286	SE 93	1.32500D-01	5.23130D+00	12.8800	0.0000	8.2590	4.1170	4.1420	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
287	BR 93	2.97500D-01	2.32990D+00	11.2800	0.0000	7.2260	3.5540	3.6720	0.0000	3	0	SE 93	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
288	KR 93	1.28900D+00	5.37740D-01	8.7000	0.0000	5.4840	2.7270	2.7570	0.0000	2	0	BR 93	1	1.00000D+00	0.00000D+00
		1.20000D-02	5.00610D-03	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000						
289	RB 93	5.82000D+00	1.19100D-01	7.4500	0.0000	4.8220	2.1470	2.6750	0.0000	2	0	KR 93	1	9.79000D-01	3.00000D-03
		3.00000D-02	6.13900D-04	0.0400	0.0000	0.0000	0.0000	0.0000	0.0000			KR 94	6	2.20000D-02	1.40000D-02
290	SR 93	4.45800D+02	1.55480D-03	3.9500	0.0000	2.6657	0.6875	1.9782	0.0000	0	0	RB 93	1	9.86200D-01	1.10000D-03
		1.80000D+00	6.27790D-06	0.1500	0.0000	0.1110	0.0790	0.0779	0.0000			RB 94	6	1.06000D-01	7.00000D-03
291	Y 93M	8.20000D-01	8.45300D-01	0.7588	0.0000	0.7590	0.0000	0.6783	0.0806	0	0	SR 93	1	3.45000D-01	3.00000D-02
		4.00000D-02	4.12340D-02	0.0001	0.0000	0.0012	0.0000	0.0008	0.0008						
292	Y 93	3.63600D+04	1.90640D-05	2.8900	0.0000	1.2620	1.1730	0.0889	0.0000	0	0	SR 93	1	6.55000D-01	3.00000D-02
		7.20000D+02	3.77490D-07	0.0200	0.0000	0.0162	0.0094	0.0132	0.0000			Y 93M	2	1.00000D+00	0.00000D+00
293	ZR 93	4.82820D+13	1.43560D-14	0.0923	0.0000	0.0164	0.0164	0.0000	0.0000	0	1	Y 93	1	1.00000D+00	0.00000D+00
		3.15570D+12	9.38310D-16	0.0019	0.0000	0.0010	0.0010	0.0000	0.0000			ZR 92	3	1.00000D+00	0.00000D+00
294	NB 93M	4.29170D+08	1.61510D-09	0.0304	0.0000	0.0304	0.0000	0.0000	0.0304	0	0	ZR 93	1	9.50000D-01	3.00000D-02
		9.46710D+06	3.56260D-11	0.0003	0.0000	0.0003	0.0000	0.0000	0.0003			MO 93	4	9.00000D-01	5.00000D-02
295	NB 93	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	ZR 93	1	5.00000D-02	3.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			NB 93M	2	1.00000D+00	0.00000D+00
												MO 93	4	1.00000D-01	5.00000D-02
												MO 93M	4	1.20000D-03	1.00000D-04
296	MO 93M	2.50200D+04	2.77040D-05	2.4248	0.0000	2.4256	0.0000	2.3098	0.1158	0	0				
		1.80000D+02	1.99310D-07	0.0004	0.0000	0.0514	0.0000	0.0514	0.0013						
297	MO 93	1.10450D+11	6.27570D-12	0.0000	0.4065	0.0000	0.0000	0.0000	0.0000	0	0	MO 93M	2	9.98800D-01	1.00000D-04
		2.20900D+10	1.25510D-12	0.0000	0.0036	0.0000	0.0000	0.0000	0.0000			TC 93	4	1.00000D+00	0.00000D+00
												TC 93M	4	2.00000D-01	2.00000D-02
298	TC 93M	2.61000D+03	2.65570D-04	0.3926	0.0000	0.8470	0.0000	0.7686	0.0783	0	0				
		6.00000D+01	6.10510D-06	0.0005	0.0000	0.0363	0.0000	0.0354	0.0078						
299	TC 93	9.90000D+03	7.00150D-05	0.0000	3.1927	1.5946	0.0367	1.5578	0.0000	0	0	TC 93M	2	8.00000D-01	2.00000D-02
		1.80000D+02	1.27300D-06	0.0000	0.0027	0.0489	0.0030	0.0488	0.0000						
300	SE 94	1.08900D-01	6.36500D+00	11.1800	0.0000	6.4890	4.1890	2.3000	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M,NUCL	DTYP	BRANCHING	ERROR OF BR
301	BR 94	2.43500D-01	2.84660D+00	13.2000	0.0000	8.6800	4.0190	4.6610	0.0000	3	0	SE 94	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
302	KR 94	2.08000D-01	3.33240D+00	7.5000	0.0000	4.4270	2.9470	1.4800	0.0000	2	0	BR 94	1	1.00000D+00	0.00000D+00
		9.00000D-03	1.44190D-01	1.5000	0.0000	0.0000	0.0000	0.0000	0.0000						
303	RB 94	2.76000D+00	2.51140D-01	10.1400	0.0000	6.6490	2.9940	3.6550	0.0000	2	0	KR 94	1	9.78000D-01	1.40000D-02
		2.00000D-02	1.81990D-03	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000						
304	SR 94	7.53000D+01	9.20510D-03	3.4200	0.0000	2.2209	0.7980	1.4229	0.0000	0	0	RB 94	1	8.94000D-01	7.00000D-03
		7.00000D-01	8.55720D-05	0.0700	0.0000	0.0855	0.0853	0.0063	0.0000			RB 95	6	8.90000D-02	5.00000D-03
305	Y 94	1.12200D+03	6.17780D-04	4.8820	0.0000	2.5856	1.8131	0.7725	0.0000	0	0	SR 94	1	1.00000D+00	0.00000D+00
		6.00000D+00	3.30360D-06	0.0120	0.0000	0.2306	0.2268	0.0420	0.0000						
306	ZR 94	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	Y 94	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			ZR 93	3	1.00000D+00	0.00000D+00
307	NB 94M	3.75600D+02	1.84540D-03	0.0410	0.0000	0.0470	0.0021	0.0041	0.0407	0	0				
		6.00000D-01	2.94800D-06	0.0003	0.0000	0.0009	0.0004	0.0008	0.0003						
308	NB 94	6.40610D+11	1.08200D-12	2.0452	0.8968	1.7194	0.1457	1.5737	0.0000	0	0	NB 94M	2	9.95300D-01	9.00000D-04
		5.04910D+10	8.52820D-14	0.0026	0.0026	0.0224	0.0009	0.0224	0.0000						
309	MO 94	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	NB 94M	1	4.70000D-03	9.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			NB 94	1	1.00000D+00	0.00000D+00
310	SE 95	7.61700D-02	9.10000D+00	14.1200	0.0000	9.0560	4.5590	4.4970	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
311	BR 95	2.72200D-01	2.54650D+00	11.4000	0.0000	7.3060	3.5930	3.7130	0.0000	3	0	SE 95	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
312	KR 95	7.80000D-01	8.88650D-01	10.0000	0.0000	6.4100	3.0550	3.3550	0.0000	2	0	BR 95	1	1.00000D+00	0.00000D+00
		3.00000D-02	3.41790D-02	2.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
313	RB 95	3.84000D-01	1.80510D+00	8.5900	0.0000	4.9890	3.1020	1.8870	0.0000	2	0	KR 95	1	1.00000D+00	0.00000D+00
		5.00000D-03	2.35040D-02	0.3000	0.0000	0.0000	0.0000	0.0000	0.0000						
314	SR 95	2.44000D+01	2.84080D-02	6.0900	0.0000	4.0350	1.5930	2.4420	0.0000	2	0	RB 95	1	9.11000D-01	5.00000D-03
		2.00000D-01	2.32850D-04	0.0900	0.0000	0.0000	0.0000	0.0000	0.0000			RB 96	6	1.42000D-01	1.00000D-02
315	Y 95	6.18000D+02	1.12160D-03	4.4300	0.0000	2.6568	1.3701	1.2867	0.0000	0	0	SR 95	1	1.00000D+00	0.00000D+00
		6.00000D+00	1.08890D-05	0.0200	0.0000	0.3160	0.2847	0.1372	0.0000						
316	ZR 95	5.53390D+06	1.25250D-07	1.1231	0.0000	0.8503	0.1168	0.7334	0.0000	0	0	Y 95	1	1.00000D+00	0.00000D+00
		5.18400D+03	1.17330D-10	0.0027	0.0000	0.0110	0.0024	0.0107	0.0000			ZR 94	3	1.00000D+00	0.00000D+00
317	NB 95M	3.11760D+05	2.22330D-06	0.2357	0.0000	0.2433	0.0084	0.0652	0.1697	0	0	ZR 95	1	9.00000D-03	1.00000D-03
		2.16000D+03	1.54040D-08	0.0000	0.0000	0.0046	0.0003	0.0030	0.0035						
318	NB 95	3.02140D+06	2.29410D-07	0.9256	0.0000	0.8081	0.0435	0.7645	0.0000	0	0	ZR 95	1	9.91000D-01	1.00000D-03
		2.59200D+03	1.96810D-10	0.0005	0.0000	0.0229	0.0002	0.0229	0.0000			NB 95M	2	9.75000D-01	1.00000D-03
319	MO 95	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	NB 95M	1	2.50000D-02	1.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			NB 95	1	1.00000D+00	0.00000D+00
												TC 95M	4	9.61000D-01	2.00000D-03
												TC 95	4	1.00000D+00	0.00000D+00
320	TC 95M	5.27040D+06	1.31520D-07	0.0389	0.0000	0.7141	0.0008	0.7118	0.0015	0	0	RU 95	4	2.60000D-02	1.00000D-03
		1.72800D+05	4.31200D-09	0.0001	0.0000	0.0108	0.0001	0.0108	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	G-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
321	TC 95	7.20000D+04	9.62700D-06	0.0000	1.7000	0.7852	0.0000	0.7852	0.0000	0	0	TC 95M	2	3.90000D-02	2.00000D-03
		3.60000D+02	4.81350D-08	0.0000	0.0080	0.0085	0.0000	0.0085	0.0000			RU 95	4	9.74000D-01	2.00000D-03
322	RU 95	5.86800D+03	1.18120D-04	0.0000	2.5610	1.3044	0.0718	1.2326	0.0000	0	0				
		7.20000D+01	1.44940D-06	0.0000	0.0140	0.0355	0.0134	0.0329	0.0000						
323	SE 96	6.53400D-02	1.06080D+01	12.3500	0.0000	7.2300	4.6120	2.6180	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
324	BR 96	1.42500D-01	4.86420D+00	14.2700	0.0000	9.2910	4.4690	4.8220	0.0000	3	0	SE 96	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
325	KR 96	4.96600D-01	1.39580D+00	8.2090	0.0000	4.6390	3.0730	1.5660	0.0000	3	0	BR 96	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
326	RB 96	2.03000D-01	3.41450D+00	10.3000	0.0000	6.9050	3.8210	3.0840	0.0000	2	0	KR 96	1	1.00000D+00	0.00000D+00
		4.00000D-03	6.72810D-02	2.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
327	SR 96	1.01500D+00	6.82900D-01	5.3600	0.0000	2.9210	1.9620	0.9590	0.0000	2	0	RB 96	1	8.58000D-01	1.00000D-02
		1.90000D-02	1.27830D-02	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000			RB 97	6	3.00000D-01	3.00000D-02
328	Y 96M	1.00000D+01	6.93150D-02	0.0100	0.0000	5.1546	1.1236	4.0310	0.0000	1	0	SR 97	6	1.00000D-04	1.00000D-04
		3.00000D-01	2.07940D-03	0.0100	0.0000	0.1291	0.1112	0.0656	0.0000						
329	Y 96	6.00000D+00	1.15520D-01	7.0200	0.0000	3.4228	3.0243	0.0000	0.3985	0	0	SR 96	1	1.00000D+00	0.00000D+00
		4.00000D-01	7.70160D-03	0.1000	0.0000	0.4370	0.4069	0.0000	0.1594						
330	ZR 96	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	Y 96M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			Y 96	1	1.00000D+00	0.00000D+00
												Y 97M	6	1.60000D-02	3.00000D-03
331	NB 96	8.40600D+04	8.24590D-06	3.1870	0.0000	2.7195	0.2486	2.4709	0.0000	0	0				
		1.80000D+02	1.76570D-08	0.0040	0.0000	0.0336	0.0121	0.0313	0.0000						
332	MO 96	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	NB 96	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			MO 95	3	1.00000D+00	0.00000D+00
333	KR 97	2.49400D-01	2.77930D+00	11.1700	0.0000	6.8270	3.8340	2.9930	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
334	RB 97	1.70000D-01	4.07730D+00	10.0000	0.0000	3.6129	3.0191	0.5938	0.0000	1	0	KR 97	1	1.00000D+00	0.00000D+00
		2.00000D-03	4.79690D-02	2.0000	0.0000	0.7851	0.7731	0.1368	0.0000						
335	SR 97	4.41000D-01	1.57180D+00	7.2000	0.0000	4.1040	2.6030	1.5010	0.0000	2	0	RB 97	1	7.00000D-01	3.00000D-02
		1.50000D-02	5.34610D-02	1.4400	0.0000	0.0000	0.0000	0.0000	0.0000			RB 98	6	1.50000D-01	2.40000D-02
336	Y 97M	1.13000D+00	6.13410D-01	0.6675	0.0000	4.1550	2.6830	1.4720	0.0000	2	0	SR 98	6	3.00000D-03	2.00000D-03
		4.00000D-02	2.17130D-02	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000						
337	Y 97	3.70000D+00	1.87340D-01	6.6700	0.0000	3.7030	2.4720	1.2310	0.0000	2	0	SR 97	1	9.99900D-01	1.00000D-04
		1.00000D-01	5.06320D-03	0.1300	0.0000	0.0000	0.0000	0.0000	0.0000			Y 97M	2	7.00000D-03	1.00000D-03
338	ZR 97	6.08400D+04	1.13930D-05	2.6574	0.0000	0.8810	0.6980	0.1830	0.0000	0	0	Y 97M	1	9.77000D-01	3.00000D-03
		1.80000D+02	3.37070D-08	0.0020	0.0000	0.0654	0.0652	0.0058	0.0000			Y 97	1	1.00000D+00	0.00000D+00
												ZR 96	3	1.00000D+00	0.00000D+00
339	NB 97M	6.00000D+01	1.15530D-02	0.7434	0.0000	0.7434	0.0000	0.7285	0.0149	0	0	ZR 97	1	9.73000D-01	2.00000D-03
		8.00000D+00	1.54030D-03	0.0001	0.0000	0.0021	0.0000	0.0015	0.0015						
340	NB 97	4.32600D+03	1.60230D-04	1.9329	0.0000	1.1307	0.4658	0.6648	0.0000	0	0	ZR 97	1	2.70000D-02	2.00000D-03
		4.20000D+01	1.55560D-06	0.0020	0.0000	0.0240	0.0231	0.0067	0.0000			NB 97M	2	1.00000D+00	0.00000D+00

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
341	MO 97	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	NB 97	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			TC 97	4	1.00000D+00	0.00000D+00
342	TC 97M	7.81920D+06	8.86470D-08	0.0965	0.0000	0.0965	0.0000	0.0003	0.0962	0	0	RU 97	4	3.80000D-04	2.00000D-05
		8.64000D+04	9.79520D-10	0.0001	0.0000	0.0001	0.0000	0.0000	0.0001						
343	TC 97	8.20480D+13	8.44800D-15	0.0000	0.3200	0.0000	0.0000	0.0000	0.0000	0	0	RU 97	4	9.99620D-01	2.00000D-05
		1.26230D+13	1.29970D-15	0.0000	0.0040	0.0000	0.0000	0.0000	0.0000			TC 97M	2	1.00000D+00	0.00000D+00
344	RU 97	2.48830D+05	2.78560D-06	0.0000	1.1500	0.2267	0.0000	0.2267	0.0000	0	0				
		3.45600D+03	3.86890D-08	0.0000	0.1000	0.0101	0.0000	0.0101	0.0000						
345	KR 98	2.57500D-01	2.69180D+00	9.3410	0.0000	5.3430	3.4920	1.8510	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
346	RB 98	1.08000D-01	6.41800D+00	10.8500	0.0000	6.6340	3.7110	2.9230	0.0000	2	0	KR 98	1	1.00000D+00	0.00000D+00
		5.00000D-03	2.97130D-01	0.1300	0.0000	0.0000	0.0000	0.0000	0.0000						
347	SR 98	6.60000D-01	1.05020D+00	5.8100	0.0000	3.1900	2.1390	1.0510	0.0000	2	0	RB 98	1	8.50000D-01	2.40000D-02
		7.00000D-02	1.11390D-01	0.1200	0.0000	0.0000	0.0000	0.0000	0.0000			RB 99	6	4.00000D-01	2.00000D-01
348	Y 98M	2.00000D+00	3.46570D-01	0.1000	0.0000	5.5850	2.9890	2.5960	0.0000	2	0	SR 99	6	3.40000D-02	2.40000D-02
		2.00000D-01	3.46570D-02	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000						
349	Y 98	6.50000D-01	1.06640D+00	8.9800	0.0000	5.2570	3.2160	2.0410	0.0000	2	0	SR 98	1	9.97000D-01	2.00000D-03
		5.00000D-02	8.20290D-02	0.1100	0.0000	0.0000	0.0000	0.0000	0.0000						
350	ZR 98	3.07000D+01	2.25780D-02	2.2390	0.0000	0.9075	0.9075	0.0000	0.0000	0	0	Y 98M	1	1.00000D+00	0.00000D+00
		4.00000D-01	2.94180D-04	0.0210	0.0000	0.0098	0.0098	0.0000	0.0000			Y 98	1	1.00000D+00	0.00000D+00
												Y 99	6	1.20000D-02	8.00000D-03
351	NB 98M	3.07800D+03	2.25190D-04	0.0840	0.0000	3.5605	0.7733	2.7872	0.0000	1	0				
		2.40000D+01	1.75590D-06	0.0020	0.0000	0.0806	0.0301	0.0748	0.0000						
352	NB 98	2.86000D+00	2.42360D-01	4.5850	0.0000	2.0847	1.9645	0.0797	0.0404	0	0	ZR 98	1	1.00000D+00	0.00000D+00
		6.00000D-02	5.08450D-03	0.0060	0.0000	0.3656	0.3651	0.0129	0.0121						
353	MO 98	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	NB 98M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			NB 98	1	1.00000D+00	0.00000D+00
												MO 97	3	1.00000D+00	0.00000D+00
354	TC 98	1.32540D+14	5.22970D-15	1.7920	1.6820	1.5159	0.1182	1.3978	0.0000	0	0				
		9.46710D+12	3.73550D-16	0.0080	0.0050	0.0374	0.0027	0.0373	0.0000						
355	RU 98	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TC 98	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
356	KR 99	1.24200D-01	5.58090D+00	12.6500	0.0000	7.8300	4.2990	3.5310	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
357	RB 99	6.70000D-02	1.03450D+01	10.0000	0.0000	6.3200	3.6640	2.6560	0.0000	2	0	KR 99	1	1.00000D+00	0.00000D+00
		7.00000D-03	1.08090D+00	2.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
358	SR 99	6.00000D-01	1.15530D+00	8.0000	0.0000	5.1470	3.0410	2.1060	0.0000	2	0	RB 99	1	6.00000D-01	2.00000D-01
		2.00000D-01	3.85080D-01	1.6000	0.0000	0.0000	0.0000	0.0000	0.0000						
359	Y 99	1.40000D+00	4.95100D-01	6.3900	0.0000	3.5220	2.3750	1.1470	0.0000	2	0	SR 99	1	9.66000D-01	2.40000D-02
		2.00000D-01	7.07290D-02	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000						
360	ZR 99	2.10000D+00	3.30070D-01	4.4600	0.0000	2.2856	1.4629	0.8227	0.0000	0	0	Y 99	1	9.88000D-01	8.00000D-03
		1.00000D-01	1.57180D-02	0.1000	0.0000	0.0879	0.0734	0.0484	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
361	NB 99M	1.56000D+02	4.44330D-03	0.3652	0.0000	2.8983	1.1760	1.7155	0.0069	0	0	ZR 99	1	3.60000D-01	3.00000D-02
		1.20000D+01	3.41790D-04	0.0010	0.0000	0.7236	0.1100	0.7152	0.0014						
362	NB 99	1.50000D+01	4.62100D-02	3.6240	0.0000	1.6851	1.4502	0.1676	0.0673	0	0	ZR 99	1	6.40000D-01	3.00000D-02
		2.00000D-01	6.16130D-04	0.0160	0.0000	0.0142	0.0076	0.0085	0.0084						
363	MO 99	2.37670D+05	2.91640D-06	1.3567	0.0000	0.6756	0.3852	0.2716	0.0188	0	0	NB 99M	1	1.00000D+00	0.00000D+00
		3.60000D+01	4.41750D-10	0.0010	0.0000	0.0405	0.0357	0.0192	0.0014			NB 99	1	1.00000D+00	0.00000D+00
												MO 98	3	1.00000D+00	0.00000D+00
364	TC 99M	2.16720D+04	3.19830D-05	0.1426	0.0000	0.1437	0.0000	0.1251	0.0186	0	0	MO 99	1	8.70000D-01	1.00000D-02
		3.60000D+01	5.31290D-08	0.0000	0.0000	0.0031	0.0000	0.0013	0.0028						
365	TC 99	6.75320D+12	1.02640D-13	0.2936	0.0000	0.0846	0.0846	0.0000	0.0000	0	1	MO 99	1	1.30000D-01	1.00000D-02
		1.57790D+11	2.39810D-15	0.0018	0.0000	0.0006	0.0006	0.0000	0.0000			TC 99M	2	9.99999D-01	1.00000D-07
366	RU 99	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TC 99M	1	1.10000D-06	1.00000D-07
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			TC 99	1	1.00000D+00	0.00000D+00
												RH 99M	4	1.00000D+00	0.00000D+00
												RH 99	4	1.00000D+00	0.00000D+00
367	RH 99M	1.69200D+04	4.09660D-05	0.0646	0.0000	0.7040	0.0241	0.6799	0.0000	1	0	PD 99	4	9.74000D-01	4.00000D-03
		3.60000D+02	8.71620D-07	0.0006	0.0000	0.0847	0.0046	0.0846	0.0000						
368	RH 99	1.29600D+06	5.34840D-07	0.0000	2.1030	0.5470	0.0109	0.5362	0.0000	0	0	PD 99	4	2.60000D-02	4.00000D-03
		1.72800D+04	7.13110D-09	0.0000	0.0100	0.0150	0.0012	0.0149	0.0000						
369	PD 99	1.28400D+03	5.39830D-04	0.0000	3.4050	1.7143	0.4171	1.2972	0.0000	0	0				
		1.20000D+01	5.04520D-06	0.0000	0.0200	0.0959	0.0637	0.0717	0.0000						
370	KR100	1.32800D-01	5.21950D+00	10.6400	0.0000	6.1590	3.9700	2.1890	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
371	RB100	1.74700D-01	3.96760D+00	13.7500	0.0000	8.9500	4.2760	4.6740	0.0000	3	0	KR100	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
372	SR100	1.19700D+00	5.79070D-01	6.8320	0.0000	3.8060	2.5310	1.2750	0.0000	3	0	RB100	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
373	Y 100M	5.50000D-01	1.26030D+00	0.1000	0.0000	4.2450	4.2321	0.0060	0.0069	1	0				
		1.50000D-01	3.43710D-01	0.1000	0.0000	0.3451	0.3451	0.0007	0.0009						
374	Y 100	9.40000D-01	7.37390D-01	9.0000	0.0000	4.5944	3.9106	0.6659	0.0180	0	0	SR100	1	1.00000D+00	0.00000D+00
		3.00000D-02	2.35340D-02	0.6000	0.0000	0.5274	0.5245	0.0546	0.0020						
375	ZR100	7.10000D+00	9.76260D-02	3.3600	0.0000	1.6536	1.2770	0.3766	0.0000	0	0	Y 100	1	1.00000D+00	0.00000D+00
		4.00000D-01	5.50010D-03	0.1500	0.0000	0.1796	0.1617	0.0781	0.0000			Y 100M	1	1.00000D+00	0.00000D+00
376	NB100N	1.68000D+02	4.12590D-03	0.2000	0.0000	4.3950	1.5640	2.8310	0.0000	2	0				
		1.20000D+01	2.94710D-04	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000						
377	NB100M	3.10000D+00	2.23600D-01	0.0600	0.0000	3.9621	1.7556	2.2065	0.0000	1	0	ZR100	1	2.00000D-02	1.00000D-02
		3.00000D-01	2.16380D-02	0.0300	0.0000	0.4908	0.1872	0.4537	0.0000						
378	NB100	1.50000D+00	4.62100D-01	6.2300	0.0000	3.6269	2.2782	1.3486	0.0000	0	0	ZR100	1	9.80000D-01	1.00000D-02
		2.00000D-01	6.16130D-02	0.1300	0.0000	0.4006	0.2641	0.3012	0.0000						
379	MO100	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	NB100N	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			NB100M	1	1.00000D+00	0.00000D+00
												NB100	1	1.00000D+00	0.00000D+00
380	TC100	1.58000D+01	4.38700D-02	3.2028	0.1700	1.4023	1.3195	0.0828	0.0000	0	0	TC 99	3	1.00000D+00	0.00000D+00
		1.00000D-01	2.77660D-04	0.0022	0.0060	0.1269	0.1263	0.0121	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
381	RU100	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	TC100	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
382	RB101	1.86900D-01	3.70860D+00	11.7200	0.0000	7.1610	4.0380	3.1230	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
383	SR101	4.21400D-01	1.64490D+00	10.1100	0.0000	6.1280	3.4660	2.6620	0.0000	3	0	RB101	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
384	Y 101	2.18100D+00	3.17810D-01	7.4050	0.0000	4.2140	2.6910	1.5230	0.0000	3	0	SR101	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
385	ZR101	2.40000D+00	2.88810D-01	5.9000	0.0000	3.2510	2.1600	1.0910	0.0000	2	0	Y 101	1	1.00000D+00	0.00000D+00
		3.00000D-01	3.61010D-02	0.7000	0.0000	0.0000	0.0000	0.0000	0.0000						
386	NB101	7.30000D+00	9.49520D-02	4.5700	0.0000	2.4056	1.6860	0.7196	0.0000	2	0	ZR101	1	1.00000D+00	0.00000D+00
		9.00000D-01	1.17060D-02	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000						
387	MO101	8.77200D+02	7.90180D-04	2.8110	0.0000	2.0639	0.5113	1.5526	0.0000	0	0	NB101	1	1.00000D+00	0.00000D+00
		3.00000D+00	2.70240D-06	0.0240	0.0000	0.0347	0.0278	0.0206	0.0000			MU100	3	1.00000D+00	0.00000D+00
388	TC101	8.52000D+02	8.13550D-04	1.6250	0.0000	0.8114	0.4684	0.3430	0.0000	0	0	MU101	1	1.00000D+00	0.00000D+00
		6.00000D+00	5.72930D-06	0.0240	0.0000	0.0340	0.0310	0.0138	0.0000						
389	RU101	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	TC101	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			RH101M	4	9.28000D-01	3.00000D-03
												RH101	4	1.00000D+00	0.00000D+00
												RU100	3	1.00000D+00	0.00000D+00
390	RH101M	3.74980D+05	1.84850D-06	0.1573	0.0000	0.2925	0.0000	0.2925	0.0000	0	0	PD101	4	7.32000D-01	3.00000D-03
		8.64000D+02	4.25920D-09	0.0030	0.0000	0.0134	0.0000	0.0134	0.0000						
391	RH101	1.00980D+08	6.86400D-09	0.0000	0.5410	0.2635	0.0000	0.2635	0.0000	0	0	RH101M	2	7.20000D-02	3.00000D-03
		6.31140D+06	4.29000D-10	0.0000	0.0170	0.0061	0.0000	0.0061	0.0000			PD101	4	2.68000D-01	3.00000D-03
392	PD101	2.97720D+04	2.32820D-05	0.0000	1.9820	0.3485	0.0224	0.3261	0.0000	0	0				
		3.24000D+02	2.53370D-07	0.0000	0.0040	0.0065	0.0019	0.0062	0.0000						
393	SR102	5.01300D-01	1.38270D+00	8.1200	0.0000	4.5950	3.0170	1.5780	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
394	Y 102	9.00000D-01	7.70160D-01	9.0000	0.0000	6.9190	3.0960	3.8230	0.0000	2	0	SR102	1	1.00000D+00	0.00000D+00
		3.00000D-01	2.56720D-01	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000						
395	ZR102	2.90000D+00	2.39020D-01	4.0000	0.0000	1.9873	1.2500	0.7373	0.0000	2	0	Y 102	1	1.00000D+00	0.00000D+00
		2.00000D-01	1.64840D-02	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000						
396	NB102M	4.30000D+00	1.61200D-01	0.0000	0.0000	4.2930	2.8320	1.4610	0.0000	2	0				
		4.00000D-01	1.49950D-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
397	NB102	1.30000D+00	5.33190D-01	7.2000	0.0000	4.2930	2.8320	1.4610	0.0000	2	0	ZR102	1	1.00000D+00	0.00000D+00
		2.00000D-01	8.20290D-02	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000						
398	MO102	6.72000D+02	1.03150D-03	1.0400	0.0000	0.3799	0.3603	0.0185	0.0010	0	0	NB102M	1	1.00000D+00	0.00000D+00
		1.80000D+01	2.76290D-05	0.2000	0.0000	0.0832	0.0832	0.0011	0.0001			NB102	1	1.00000D+00	0.00000D+00
399	TC102M	2.61000D+02	2.65570D-03	0.3000	0.0000	3.2851	0.8552	2.4299	0.0000	0	0				
		4.20000D+00	4.27360D-05	0.2000	0.0000	0.4322	0.4205	0.0998	0.0000						
400	TC102	5.28000D+00	1.31280D-01	4.5000	0.0000	2.5316	1.9523	0.5793	0.0000	1	0	MU102	1	1.00000D+00	0.00000D+00
		1.50000D-01	3.72950D-03	0.9000	0.0000	0.4485	0.4445	0.0603	0.0000			TC102M	2	2.00000D-02	1.00000D-02

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
401	RU102	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	TC102	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			TC102M	1	9.80000D-01	1.00000D-02
												RH102	4	1.00000D+00	0.00000D+00
												RH102M	4	8.12000D-01	8.00000D-03
												RU101	3	1.00000D+00	0.00000D+00
402	RH102M	1.78850D+07	3.87560D-08	0.0700	0.0000	0.7084	0.1544	0.5540	0.0000	1	0				
		1.72800D+05	3.74460D-10	0.0200	0.0000	0.0581	0.0147	0.0562	0.0000						
403	RH102	9.12000D+07	7.60030D-09	1.1480	2.3230	2.0934	0.0000	2.0934	0.0000	0	0	RH102M	2	7.00000D-04	5.00000D-04
		1.57790D+07	1.31490D-09	0.0060	0.0070	0.0484	0.0000	0.0484	0.0000						
404	PD102	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	RH102M	1	1.88000D-01	8.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
405	RB103	1.15700D-01	5.99090D+00	12.7500	0.0000	7.8640	4.3620	3.5020	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
406	SR103	2.79600D-01	2.47910D+00	10.8600	0.0000	6.6430	3.6940	2.9490	0.0000	3	0	RB103	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
407	Y 103	1.00500D+00	6.89700D-01	8.5580	0.0000	5.0150	3.0340	1.9810	0.0000	3	0	SR103	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
408	ZR103	3.30000D+00	2.10040D-01	6.8790	0.0000	3.9240	2.4570	1.4670	0.0000	3	0	Y 103	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
409	NB103	1.50000D+00	4.62100D-01	5.2000	0.0000	3.0930	2.1110	0.9820	0.0000	2	0	ZR103	1	1.00000D+00	0.00000D+00
		2.00000D-01	6.16130D-02	1.0400	0.0000	0.0000	0.0000	0.0000	0.0000						
410	MO103	6.75000D+01	1.02690D-02	4.3000	0.0000	2.2780	1.1440	1.1340	0.0000	2	0	NB103	1	1.00000D+00	0.00000D+00
		1.50000D+00	2.28200D-04	0.8600	0.0000	0.0000	0.0000	0.0000	0.0000						
411	TC103	5.00000D+01	1.38630D-02	2.3500	0.0000	1.0860	0.8447	0.2371	0.0042	0	0	MO103	1	1.00000D+00	0.00000D+00
		2.00000D+00	5.54520D-04	0.1000	0.0000	0.0837	0.0827	0.0125	0.0005						
412	RU103	3.40670D+06	2.03460D-07	0.7629	0.0000	0.5422	0.0721	0.4701	0.0000	0	0	TC103	1	1.00000D+00	0.00000D+00
		8.64000D+03	5.16010D-10	0.0039	0.0000	0.0156	0.0086	0.0129	0.0000			RU102	3	1.00000D+00	0.00000D+00
413	RH103M	3.42000D+03	2.02680D-04	0.0397	0.0000	0.0397	0.0000	0.0000	0.0397	0	0	RU103	1	9.97500D-01	5.00000D-04
		6.00000D+01	3.55570D-06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			PD103	4	9.99800D-01	2.00000D-04
414	RH103	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	RU103	1	2.50000D-03	5.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			RH103M	2	1.00000D+00	0.00000D+00
												PD103	4	2.00000D-04	2.00000D-04
415	PD103	1.51200D+06	4.58430D-07	0.0000	0.5460	0.0001	0.0000	0.0001	0.0000	0	0	AG103	4	1.00000D+00	0.00000D+00
		2.59200D+04	7.85880D-09	0.0000	0.0090	0.0000	0.0000	0.0000	0.0000						
416	AG103M	5.70000D+00	1.21600D-01	0.1544	0.0000	0.1344	0.0000	0.0282	0.1062	0	0				
		3.00000D-01	6.40030D-03	0.0000	0.0000	0.0019	0.0000	0.0013	0.0013						
417	AG103	3.94200D+03	1.75840D-04	0.0000	2.6800	0.9992	0.2419	0.7483	0.0090	0	0	AG103M	2	1.00000D+00	0.00000D+00
		4.20000D+01	1.87350D-06	0.0000	0.0500	0.0450	0.0257	0.0369	0.0007						
418	SR104	2.61900D-01	2.64660D+00	9.2290	0.0000	5.2820	3.4300	1.8520	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
419	Y 104	5.64900D-01	1.22700D+00	11.2600	0.0000	7.2440	3.4940	3.7500	0.0000	3	0	SR104	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
420	ZR104	1.00000D+00	6.93150D-01	5.1500	0.0000	2.6364	1.7420	0.8944	0.0000	2	0	Y 104	1	1.00000D+00	0.00000D+00
		5.00000D-01	3.46570D-01	1.0300	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
421	NB104M	8.00000D-01	8.66430D-01	0.0500	0.0000	5.2590	3.1250	2.1340	0.0000	2	0				
		2.00000D-01	2.16610D-01	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000						
422	NB104	4.80000D+00	1.44410D-01	8.8000	0.0000	5.8860	2.5100	3.3760	0.0000	2	0	ZR104	1	1.00000D+00	0.00000D+00
		4.00000D-01	1.20340D-02	1.7600	0.0000	0.0000	0.0000	0.0000	0.0000						
423	MO104	5.94000D+01	1.16690D-02	2.2000	0.0000	1.2076	0.6229	0.5847	0.0000	2	0	NB104M	1	1.00000D+00	0.00000D+00
		8.00000D-01	1.57160D-04	0.4400	0.0000	0.0000	0.0000	0.0000	0.0000			NB104	1	1.00000D+00	0.00000D+00
424	TC104	1.09200D+03	6.34750D-04	5.6200	0.0000	3.9220	1.2440	2.6780	0.0000	2	0	MO104	1	1.00000D+00	0.00000D+00
		3.00000D+01	1.74380D-05	0.0700	0.0000	0.0000	0.0000	0.0000	0.0000						
425	RU104	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	TC104	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			RH104	4	4.00000D-03	2.00000D-03
426	RH104M	2.60400D+02	2.66190D-03	0.1290	0.0000	0.1311	0.0006	0.0313	0.0992	0	0	RH103	3	8.00000D-02	1.00000D-02
		2.40000D+00	2.45330D-05	0.0000	0.0000	0.0007	0.0000	0.0000	0.0007						
427	RH104	4.23000D+01	1.63870D-02	2.4480	1.1470	1.0023	0.9912	0.0111	0.0000	0	1	RH104M	2	9.98000D-01	1.00000D-03
		4.00000D-01	1.54950D-04	0.0070	0.0070	0.1956	0.1956	0.0000	0.0000			RH103	3	9.20000D-01	4.00000D-02
428	PD104	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	RH104	1	9.96000D-01	2.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			RH104M	1	2.00000D-03	1.00000D-03
429	SR105	1.52500D-01	4.54520D+00	12.0800	0.0000	7.4710	4.0830	3.3880	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
430	Y 105	5.54300D-01	1.25050D+00	9.5390	0.0000	5.6970	3.3250	2.3720	0.0000	3	0	SR105	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
431	ZR105	1.93100D+00	3.58960D-01	7.5930	0.0000	4.4260	2.6620	1.7640	0.0000	3	0	Y 105	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
432	NB105	3.00000D+00	2.31050D-01	6.9400	0.0000	3.9030	2.4990	1.4040	0.0000	2	0	ZR105	1	1.00000D+00	0.00000D+00
		6.00000D-01	4.62100D-02	1.3900	0.0000	0.0000	0.0000	0.0000	0.0000						
433	MO105	3.67000D+01	1.88870D-02	5.4000	0.0000	3.6550	1.2900	2.3650	0.0000	2	0	NB105	1	1.00000D+00	0.00000D+00
		1.00000D+00	5.14630D-04	1.0800	0.0000	0.0000	0.0000	0.0000	0.0000						
434	TC105	4.68000D+02	1.48110D-03	3.4000	0.0000	1.7183	1.2327	0.4741	0.0115	0	0	MO105	1	1.00000D+00	0.00000D+00
		1.20000D+01	3.79760D-05	0.2000	0.0000	0.1251	0.1167	0.0449	0.0012						
435	RU105	1.59840D+04	4.33650D-05	1.9177	0.0000	1.1723	0.4144	0.7579	0.0000	0	0	TC105	1	1.00000D+00	0.00000D+00
		1.80000D+02	4.88340D-07	0.0037	0.0000	0.0463	0.0460	0.0052	0.0000			RU104	3	1.00000D+00	0.00000D+00
436	RH105M	4.50000D+01	1.54030D-02	0.1296	0.0000	0.1296	0.0000	0.0259	0.1037	0	0	RU105	1	2.74000D-01	6.00000D-03
		2.00000D+00	6.84590D-04	0.0000	0.0000	0.0018	0.0000	0.0013	0.0013						
437	RH105	1.27300D+05	5.44520D-06	0.5669	0.0000	0.2322	0.1515	0.0806	0.0000	0	1	RU105	1	7.26000D-01	6.00000D-03
		1.80000D+02	7.69960D-09	0.0029	0.0000	0.0363	0.0336	0.0136	0.0000			RH105M	2	1.00000D+00	0.00000D+00
												RH104	3	1.00000D+00	0.00000D+00
438	PD105	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	RH105	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			AG105	4	1.00000D+00	0.00000D+00
												AG105M	4	3.40000D-03	7.00000D-04
439	AG105M	4.33800D+02	1.59790D-03	0.0255	0.0000	0.0267	0.0000	0.0013	0.0254	0	0	CD105	4	8.50000D-01	1.00000D-02
		9.60000D+00	3.53600D-05	0.0001	0.0000	0.0001	0.0000	0.0001	0.0001						
440	AG105	3.56750D+06	1.94300D-07	0.0000	1.3480	0.5634	0.0000	0.5537	0.0097	0	0	AG105M	2	9.96600D-01	7.00000D-04
		6.04800D+03	3.29400D-10	0.0000	0.0100	0.0136	0.0000	0.0136	0.0010			CD105	4	1.50000D-01	1.00000D-02

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
441	CD105	3.36000D+03	2.06290D-04	0.0000	2.7390	1.4378	0.1971	1.2402	0.0004	0	0				
		3.00000D+01	1.84190D-06	0.0000	0.0050	0.0679	0.0227	0.0640	0.0001						
442	Y 106	3.19600D-01	2.16880D+00	12.3400	0.0000	8.0000	3.8130	4.1870	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
443	ZR106	2.42900D+00	2.85360D-01	5.8590	0.0000	3.2290	2.1380	1.0910	0.0000	3	0	Y 106	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
444	NB106	1.00000D+00	6.93150D-01	9.9000	0.0000	5.8620	3.3130	2.5490	0.0000	2	0	ZR106	1	1.00000D+00	0.00000D+00
		5.00000D-01	3.46570D-01	1.9800	0.0000	0.0000	0.0000	0.0000	0.0000						
445	MO106	8.40000D+00	8.25170D-02	3.3400	0.0000	1.9779	1.2320	0.7459	0.0000	2	0	NB106	1	1.00000D+00	0.00000D+00
		5.00000D-01	4.91180D-03	0.6700	0.0000	0.0000	0.0000	0.0000	0.0000						
446	TC106	3.60000D+01	1.92540D-02	6.3000	0.0000	4.6300	1.6970	2.9330	0.0000	2	0	MO106	1	1.00000D+00	0.00000D+00
		1.00000D+00	5.34840D-04	1.2600	0.0000	0.0000	0.0000	0.0000	0.0000						
447	RU106	3.21090D+07	2.15870D-08	0.0394	0.0000	0.0100	0.0100	0.0000	0.0000	0	1	TC106	1	1.00000D+00	0.00000D+00
		1.46880D+04	9.87500D-12	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000						
448	RH106M	7.92000D+03	8.75190D-05	0.1380	0.0000	3.2333	0.3162	2.9171	0.0000	1	0	RH105	3	3.10000D-01	7.00000D-02
		6.00000D+01	6.63020D-07	0.0100	0.0000	0.0453	0.0274	0.0361	0.0000						
449	RH106	3.04000D+01	2.28010D-02	3.5410	0.0000	1.6183	1.4211	0.1972	0.0000	0	0	RU106	1	1.00000D+00	0.00000D+00
		5.00000D-01	3.75010D-04	0.0090	0.0000	0.0281	0.0276	0.0052	0.0000			RH105	3	6.90000D-01	1.50000D-01
450	PD106	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	RH106M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			RH106	1	1.00000D+00	0.00000D+00
												AG106M	4	1.00000D+00	0.00000D+00
												AG106	4	9.95000D-01	5.00000D-03
												PU105	3	1.00000D+00	0.00000D+00
451	AG106M	7.26620D+05	9.53930D-07	0.0879	0.0000	2.8083	0.0000	2.8083	0.0000	0	0				
		6.91200D+03	9.07420D-09	0.0010	0.0000	0.0360	0.0000	0.0360	0.0000						
452	AG106	1.43760D+03	4.82160D-04	0.2020	2.9830	1.2111	0.5077	0.7034	0.0000	0	0				
		2.40000D+00	8.04930D-07	0.0090	0.0040	0.0684	0.0444	0.0521	0.0000						
453	CD106	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AG106	1	5.00000D-03	5.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
454	Y 107	2.98900D-01	2.31900D+00	10.6600	0.0000	6.4680	3.6670	2.8010	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
455	ZR107	9.26400D-01	7.48220D-01	8.6800	0.0000	5.1830	2.9820	2.2010	0.0000	3	0	Y 107	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
456	NB107	1.45400D+00	4.76720D-01	7.9620	0.0000	4.6310	2.8150	1.8160	0.0000	3	0	ZR107	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
457	MO107	3.50000D+00	1.98040D-01	6.2000	0.0000	3.7100	2.3170	1.3930	0.0000	2	0	NB107	1	1.00000D+00	0.00000D+00
		5.00000D-01	2.82920D-02	1.2400	0.0000	0.0000	0.0000	0.0000	0.0000						
458	TC107	2.10000D+01	3.30070D-02	4.2000	0.0000	2.6678	1.6820	0.9858	0.0000	2	0	MO107	1	1.00000D+00	0.00000D+00
		1.00000D+00	1.57180D-03	0.8400	0.0000	0.0000	0.0000	0.0000	0.0000						
459	RU107	2.52000D+02	2.75060D-03	3.1500	0.0000	1.4524	1.2116	0.2408	0.0000	0	0	TC107	1	1.00000D+00	0.00000D+00
		1.80000D+01	1.96470D-04	0.3000	0.0000	0.3298	0.3291	0.0217	0.0000			RU106	3	1.00000D+00	0.00000D+00
460	RH107	1.30200D+03	5.32370D-04	1.5100	0.0000	0.7461	0.4337	0.3124	0.0000	0	0	RU107	1	1.00000D+00	0.00000D+00
		2.40000D+01	9.81330D-06	0.0400	0.0000	0.0517	0.0506	0.0109	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
461	PD107M	2.13000D+01	3.25420D-02	0.2140	0.0000	0.2140	0.0000	0.1455	0.0685	0	0				
		3.00000D-01	4.58340D-04	0.0010	0.0000	0.0131	0.0000	0.0130	0.0022						
462	PD107	2.05120D+14	3.37920D-15	0.0331	0.0000	0.0084	0.0084	0.0000	0.0000	0	1	RH107	1	1.00000D+00	0.00000D+00
		9.46710D+12	1.55960D-16	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000			PD107M	2	1.00000D+00	0.00000D+00
463	AG107M	4.43000D+01	1.56470D-02	0.0931	0.0000	0.0931	0.0000	0.0043	0.0888	0	0	CD107	4	9.99400D-01	4.00000D-04
		2.00000D-01	7.06400D-05	0.0000	0.0000	0.0003	0.0000	0.0002	0.0002						
464	AG107	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	PD107	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			AG107M	2	1.00000D+00	0.00000D+00
												CD107	4	6.00000D-04	4.00000D-04
465	CD107	2.33640D+04	2.96670D-05	0.0000	1.4170	0.0054	0.0003	0.0051	0.0000	0	0	IN107	4	1.00000D+00	0.00000D+00
		1.80000D+02	2.28560D-07	0.0000	0.0040	0.0005	0.0000	0.0005	0.0000						
466	IN107	1.96200D+03	3.53290D-04	0.0000	3.4900	1.8435	0.3220	1.5139	0.0076	0	0				
		4.80000D+01	8.64310D-06	0.0000	0.1500	0.0578	0.0398	0.0419	0.0010						
467	ZR108	1.00700D+00	6.88330D-01	6.9800	0.0000	3.9060	2.5670	1.3390	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
468	NB108	6.40500D-01	1.08220D+00	10.8200	0.0000	6.6950	3.5870	3.1080	0.0000	3	0	ZR108	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
469	MO108	1.50000D+00	4.62100D-01	4.9000	0.0000	2.3712	1.9943	0.3769	0.0000	1	0	NB108	1	1.00000D+00	0.00000D+00
		5.00000D-01	1.54030D-01	0.9800	0.0000	0.5846	0.5846	0.0002	0.0000						
470	TC108	5.00000D+00	1.38630D-01	8.0000	0.0000	5.2420	2.2490	2.9930	0.0000	2	0	MO108	1	1.00000D+00	0.00000D+00
		2.00000D-01	5.54520D-03	1.6000	0.0000	0.0000	0.0000	0.0000	0.0000						
471	RU108	2.70000D+02	2.56720D-03	1.2000	0.0000	0.4635	0.4140	0.0495	0.0000	0	0	TC108	1	1.00000D+00	0.00000D+00
		1.20000D+01	1.14100D-04	0.8500	0.0000	0.3659	0.3659	0.0055	0.0000						
472	RH108M	3.54000D+02	1.95800D-03	0.0500	0.0000	3.0615	0.7893	2.2721	0.0000	1	0				
		1.20000D+01	6.63740D-05	0.0500	0.0000	0.3588	0.3175	0.1671	0.0000						
473	RH108	1.68000D+01	4.12590D-02	4.5000	0.0000	2.1505	1.8128	0.3378	0.0000	0	0	RU108	1	1.00000D+00	0.00000D+00
		5.00000D-01	1.22790D-03	0.6000	0.0000	0.4170	0.4161	0.0273	0.0000						
474	PD108	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	RH108M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			RH108	1	1.00000D+00	0.00000D+00
												AG108	4	2.35000D-02	1.00000D-03
												AG108M	4	9.11000D-01	5.00000D-03
												PD107	3	1.00000D+00	0.00000D+00
475	AG108M	4.00770D+09	1.72950D-10	0.1096	0.0000	1.6169	0.0000	1.6125	0.0044	0	0				
		6.62700D+08	2.85980D-11	0.0001	0.0000	0.0094	0.0000	0.0094	0.0003						
476	AG108	1.42200D+02	4.87450D-03	1.6490	1.9210	0.6281	0.6104	0.0177	0.0000	0	0	AG108M	2	8.90000D-02	5.00000D-03
		6.00000D-01	2.05670D-05	0.0080	0.0070	0.0040	0.0040	0.0005	0.0000						
477	CD108	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AG108	1	9.76500D-01	1.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
478	ZR109	4.20200D-01	1.64960D+00	10.0000	0.0000	6.0900	3.3870	2.7030	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
479	NB109	7.01400D-01	9.88230D-01	9.1060	0.0000	5.4210	3.1580	2.2630	0.0000	3	0	ZR109	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
480	MO109	1.72200D+00	4.02530D-01	7.7430	0.0000	4.5510	2.6750	1.8760	0.0000	3	0	NB109	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
481	TC109	1.40000D+00	4.95100D-01	6.3000	0.0000	3.2430	2.1440	1.0990	0.0000	2	0	MO109	1	1.00000D+00	0.00000D+00
		4.00000D-01	1.41460D-01	1.2600	0.0000	0.0000	0.0000	0.0000	0.0000						
482	RU109	3.50000D+01	1.98040D-02	4.3000	0.0000	1.9338	1.5157	0.4181	0.0000	1	0	TC109	1	1.00000D+00	0.00000D+00
		2.00000D+00	1.13170D-03	0.8600	0.0000	0.4642	0.4584	0.0727	0.0000						
483	RH109	8.00000D+01	8.66430D-03	2.5000	0.0000	1.1917	0.8787	0.2995	0.0134	1	0	RU109	1	1.00000D+00	0.00000D+00
		2.00000D+00	2.16610D-04	0.5000	0.0000	0.2393	0.2389	0.0147	0.0015						
484	PD109M	2.81400D+02	2.46320D-03	0.1889	0.0000	0.1889	0.0000	0.1058	0.0831	0	0	PD108	3	2.00000D-02	1.00000D-02
		6.00000D-01	5.25200D-06	0.0001	0.0000	0.0027	0.0000	0.0019	0.0019						
485	PD109	4.84560D+04	1.43050D-05	1.1159	0.0000	0.3612	0.3606	0.0007	0.0000	0	0	RH109	1	1.00000D+00	0.00000D+00
		7.20000D+01	2.12550D-08	0.0020	0.0000	0.0008	0.0008	0.0000	0.0000			PD109M	2	1.00000D+00	0.00000D+00
												PD108	3	9.80000D-01	2.50000D-01
486	AG109M	3.96000D+01	1.75040D-02	0.0880	0.0000	0.0880	0.0000	0.0034	0.0846	0	0	PD109	1	9.99500D-01	5.00000D-04
		2.00000D-01	8.84030D-05	0.0000	0.0000	0.0002	0.0000	0.0002	0.0002			CD109	4	1.00000D+00	0.00000D+00
487	AG109	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PD109	1	5.00000D-04	5.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			AG109M	2	1.00000D+00	0.00000D+00
488	CD109	3.91560D+07	1.77020D-08	0.0000	0.1820	0.0000	0.0000	0.0000	0.0000	0	0	IN109	4	1.00000D+00	0.00000D+00
		1.55520D+05	7.03080D-11	0.0000	0.0030	0.0000	0.0000	0.0000	0.0000						
489	IN109N	2.10000D-01	3.30070D+00	2.1100	0.0000	1.9082	0.0000	1.9082	0.0000	0	0				
		1.00000D-02	1.57180D-01	0.0200	0.0000	0.2012	0.0000	0.2012	0.0000						
490	IN109M	8.04000D+01	8.62120D-03	0.6495	0.0000	0.6495	0.0000	0.6079	0.0416	0	0				
		4.20000D+00	4.50360D-04	0.0005	0.0000	0.0305	0.0000	0.0305	0.0019						
491	IN109	1.51200D+04	4.58430D-05	0.0000	2.0160	0.6524	0.0194	0.6224	0.0106	0	0	IN109N	2	1.00000D+00	0.00000D+00
		3.60000D+02	1.09150D-06	0.0000	0.0080	0.0343	0.0036	0.0341	0.0014			IN109M	2	1.00000D+00	0.00000D+00
492	ZR110	6.04700D-01	1.14630D+00	7.7130	0.0000	4.3530	2.8440	1.5090	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
493	NB110	3.23300D-01	2.14400D+00	12.1400	0.0000	7.6720	3.9270	3.7450	0.0000	3	0	ZR110	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
494	MO110	2.01800D+00	3.43480D-01	6.0560	0.0000	3.3510	2.1990	1.1520	0.0000	3	0	NB110	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
495	TC110	1.00000D+00	6.93150D-01	8.0000	0.0000	5.2020	3.0320	2.1700	0.0000	2	0	MO110	1	1.00000D+00	0.00000D+00
		2.00000D-01	1.38630D-01	1.6000	0.0000	0.0000	0.0000	0.0000	0.0000						
496	RU110	1.59000D+01	4.35940D-02	2.5000	0.0000	1.2554	0.6585	0.5969	0.0000	2	0	TC110	1	1.00000D+00	0.00000D+00
		5.00000D-01	1.37090D-03	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000						
497	RH110M	2.85000D+01	2.43210D-02	0.0500	0.0000	3.0140	2.2370	0.7770	0.0000	2	0				
		1.50000D+00	1.28000D-03	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000						
498	RH110	3.00000D+00	2.31050D-01	5.4000	0.0000	2.6880	2.2020	0.4860	0.0000	2	0	RU110	1	1.00000D+00	0.00000D+00
		2.00000D-01	1.54030D-02	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000						
499	PD110	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	RH110M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			RH110	1	1.00000D+00	0.00000D+00
												AG110	4	3.00000D-03	6.00000D-04
500	AG110M	2.16350D+07	3.20390D-08	0.1177	0.0000	2.8553	0.0657	2.7880	0.0016	0	0	AG109	3	4.00000D-02	1.00000D-02
		8.64000D+04	1.27950D-10	0.0001	0.0000	0.0878	0.0009	0.0878	0.0002						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
501	AG110	2.45700D+01	2.82110D-02	2.8928	0.8790	1.2158	1.1651	0.0307	0.0000	0	0	AG110M	2	1.40000D-02	6.00000D-03
		1.20000D-01	1.37780D-04	0.0019	0.0200	0.0049	0.0046	0.0017	0.0000			AG109	3	9.60000D-01	8.00000D-02
502	CD110	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AG110M	1	9.86000D-01	6.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			AG110	1	9.97000D-01	6.00000D-04
503	NB111	4.38700D-01	1.58000D+00	9.9000	0.0000	5.9670	3.3990	2.5680	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
504	MO111	6.90300D-01	1.00410D+00	9.1420	0.0000	5.5110	3.0980	2.4130	0.0000	3	0	NB111	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
505	TC111	2.84100D+00	2.43980D-01	6.9880	0.0000	3.9870	2.4860	1.5010	0.0000	3	0	MU111	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
506	RU111	3.00000D+00	2.31050D-01	5.6000	0.0000	2.8294	1.8670	0.9624	0.0000	2	0	TC111	1	1.00000D+00	0.00000D+00
		1.00000D+00	7.70160D-02	1.1200	0.0000	0.0000	0.0000	0.0000	0.0000						
507	RH111	6.30000D+01	1.10020D-02	3.5000	0.0000	2.1787	1.4590	0.7197	0.0000	2	0	RU111	1	1.00000D+00	0.00000D+00
		6.00000D+00	1.04780D-03	0.7000	0.0000	0.0000	0.0000	0.0000	0.0000						
508	PD111M	1.98000D+04	3.50070D-05	0.1720	0.0000	0.5035	0.1647	0.2695	0.0693	0	0	PD110	3	5.00000D-02	3.00000D-02
		3.60000D+02	6.36500D-07	0.0001	0.0000	0.0254	0.0190	0.0145	0.0086						
509	PD111	1.32000D+03	5.25110D-04	2.2000	0.0000	0.8825	0.8308	0.0512	0.0005	0	0	RH111	1	1.00000D+00	0.00000D+00
		6.00000D+01	2.38690D-05	0.0500	0.0000	0.1634	0.1634	0.0018	0.0000			PD111M	2	6.92000D-01	6.00000D-03
												PD110	3	9.50000D-01	1.80000D-01
510	AG111M	7.40000D+01	9.36680D-03	0.0598	0.0000	0.0615	0.0007	0.0014	0.0594	0	0	PD111M	1	2.56000D-01	6.00000D-03
		3.00000D+00	3.79740D-04	0.0001	0.0000	0.0003	0.0000	0.0001	0.0003			PD111	1	9.93000D-01	3.00000D-03
511	AG111	6.43680D+05	1.07680D-06	1.0280	0.0000	0.3742	0.3506	0.0235	0.0000	0	0	PD111M	1	5.20000D-02	6.00000D-03
		1.46880D+03	2.45720D-09	0.0030	0.0000	0.0073	0.0069	0.0022	0.0000			PD111	1	7.00000D-03	3.00000D-03
												AG111M	2	9.97000D-01	2.00000D-03
512	CD111M	2.92200D+03	2.37220D-04	0.3960	0.0000	0.3962	0.0000	0.2799	0.1163	0	0				
		1.20000D+01	9.74200D-07	0.0005	0.0000	0.0261	0.0000	0.0238	0.0108						
513	CD111	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AG111M	1	3.00000D-03	2.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			AG111	1	1.00000D+00	0.00000D+00
												CD111M	2	1.00000D+00	0.00000D+00
												IN111	4	1.00000D+00	0.00000D+00
514	IN111M	4.62000D+02	1.50030D-03	0.5363	0.0000	0.5363	0.0000	0.4666	0.0697	0	0				
		1.20000D+01	3.89690D-05	0.0002	0.0000	0.0152	0.0000	0.0107	0.0107						
515	IN111	2.44510D+05	2.83480D-06	0.0000	0.8490	0.4150	0.0000	0.3868	0.0281	0	0	IN111M	2	1.00000D+00	0.00000D+00
		1.72800D+03	2.00340D-08	0.0000	0.0110	0.0007	0.0000	0.0005	0.0005			SN111	4	1.00000D+00	0.00000D+00
516	SN111	2.11800D+03	3.27260D-04	0.0000	2.4650	0.6591	0.1875	0.4717	0.0000	0	0				
		3.00000D+01	4.63550D-06	0.0000	0.0120	0.0388	0.0194	0.0336	0.0000						
517	NB112	2.03700D-01	3.40280D+00	13.1000	0.0000	8.3640	4.1780	4.1860	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
518	MO112	9.90100D-01	7.00080D-01	6.9760	0.0000	3.9060	2.5520	1.3540	0.0000	3	0	NB112	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
519	TC112	9.85200D-01	7.03560D-01	10.0100	0.0000	6.1300	3.3400	2.7900	0.0000	3	0	MU112	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
520	RU112	6.90000D-01	1.00460D+00	3.6000	0.0000	1.8390	1.1140	0.7250	0.0000	2	0	TC112	1	1.00000D+00	0.00000D+00
		5.40000D-01	7.86180D-01	0.7200	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
521	RH112	4.65000D+00	1.49060D-01	7.2000	0.0000	3.6330	2.4770	1.1560	0.0000	2	0	RU112	1	1.00000D+00	0.00000D+00
		1.40000D-01	4.48800D-03	1.4400	0.0000	0.0000	0.0000	0.0000	0.0000						
522	PD112	7.60320D+04	9.11650D-06	0.2930	0.0000	0.0967	0.0782	0.0037	0.0148	0	0	RH112	1	1.00000D+00	0.00000D+00
		2.88000D+02	3.45320D-08	0.0190	0.0000	0.0063	0.0060	0.0004	0.0019						
523	AG112	1.12320D+04	6.17120D-05	3.9580	0.0000	2.0848	1.4027	0.6821	0.0000	0	0	PD112	1	1.00000D+00	0.00000D+00
		3.60000D+01	1.97790D-07	0.0290	0.0000	0.1963	0.1948	0.0239	0.0000						
524	CD112	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AG112	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			IN112	4	6.00000D-01	5.00000D-02
525	IN112M	1.25400D+03	5.52750D-04	0.1550	0.0000	0.1550	0.0000	0.0186	0.1364	0	0				
		1.20000D+01	5.28950D-06	0.0010	0.0000	0.0045	0.0000	0.0031	0.0032						
526	IN112	8.64000D+02	8.02250D-04	0.6580	2.5780	0.4616	0.1494	0.3122	0.0000	0	0	IN112M	2	1.00000D+00	0.00000D+00
		1.20000D+01	1.11420D-05	0.0060	0.0080	0.0375	0.0209	0.0311	0.0000						
527	SN112	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	IN112	1	4.00000D-01	5.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
528	MO113	3.70500D-01	1.87080D+00	10.2100	0.0000	6.2320	3.4300	2.8020	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
529	TC113	1.56200D+00	4.43760D-01	7.8120	0.0000	4.5540	2.7320	1.8220	0.0000	3	0	MO113	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
530	RU113	3.00000D+00	2.31050D-01	6.7000	0.0000	3.6650	2.2490	1.4160	0.0000	2	0	TC113	1	1.00000D+00	0.00000D+00
		7.00000D-01	5.39110D-02	1.3400	0.0000	0.0000	0.0000	0.0000	0.0000						
531	RH113	9.00000D-01	7.70160D-01	5.2000	0.0000	2.5489	1.7330	0.8159	0.0000	2	0	RU113	1	1.00000D+00	0.00000D+00
		2.00000D-01	1.71150D-01	1.0400	0.0000	0.0000	0.0000	0.0000	0.0000						
532	PD113	8.40000D+01	8.25170D-03	3.4000	0.0000	1.4456	1.4456	0.0000	0.0000	1	0	RH113	1	1.00000D+00	0.00000D+00
		6.00000D+00	5.89410D-04	0.6800	0.0000	0.4845	0.4845	0.0000	0.0000						
533	AG113M	7.20000D+01	9.62700D-03	0.0432	0.0000	0.1525	0.0556	0.0577	0.0393	1	0				
		9.00000D+00	1.20340D-03	0.0010	0.0000	0.0096	0.0066	0.0056	0.0040						
534	AG113	1.93320D+04	3.58550D-05	2.0100	0.0000	0.8329	0.7668	0.0661	0.0000	0	0	PD113	1	1.00000D+00	0.00000D+00
		1.80000D+02	3.33850D-07	0.0200	0.0000	0.2054	0.2054	0.0036	0.0000			AG113M	2	9.00000D-01	5.00000D-02
535	CD113M	4.29170D+08	1.61510D-09	0.2637	0.0000	0.1854	0.1851	0.0000	0.0002	0	0	AG113	1	1.60000D-02	4.00000D-03
		6.31140D+06	2.37510D-11	0.0003	0.0000	0.0018	0.0018	0.0000	0.0000						
536	CD113	2.93480D+23	2.36180D-24	0.3220	0.0000	0.0933	0.0933	0.0000	0.0000	0	1	AG113M	1	1.00000D-01	5.00000D-02
		2.84010D+22	2.28560D-25	0.0050	0.0000	0.0016	0.0016	0.0000	0.0000			AG113	1	9.84000D-01	4.00000D-03
												CD113M	2	1.00000D-03	2.00000D-04
537	IN113M	5.96880D+03	1.16130D-04	0.3917	0.0000	0.3917	0.0000	0.2542	0.1375	0	0	SN113	4	1.00000D+00	0.00000D+00
		3.60000D+00	7.00410D-08	0.0000	0.0000	0.0011	0.0000	0.0008	0.0008						
538	IN113	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	CD113M	1	9.99000D-01	2.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			CD113	1	1.00000D+00	0.00000D+00
												IN113M	2	1.00000D+00	0.00000D+00
												SN113M	4	9.00000D-02	2.00000D-02
												SN113	4	4.00000D-08	2.00000D-08
539	SN113M	1.20000D+03	5.77620D-04	0.0793	0.0000	0.0722	0.0000	0.0005	0.0717	0	0	SB113	4	1.45000D-01	5.00000D-03
		6.00000D+01	2.88810D-05	0.0005	0.0000	0.0009	0.0000	0.0000	0.0009						
540	SN113	9.94640D+06	6.96890D-08	0.0000	1.0401	0.0047	0.0000	0.0047	0.0000	0	0	SN113M	2	9.10000D-01	2.00000D-02
		1.72800D+04	1.21070D-10	0.0000	0.0037	0.0001	0.0000	0.0001	0.0000			SB113	4	8.55000D-01	5.00000D-03

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
541	SB113	4.02000D+02	1.72430D-03	0.0000	3.8890	1.9229	0.7034	1.2194	0.0000	0	0				
		2.40000D+01	1.02940D-04	0.0000	0.0310	0.1381	0.0918	0.1032	0.0000						
542	MO114	5.08400D-01	1.36340D+00	7.9590	0.0000	4.5030	2.9250	1.5780	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
543	TC114	5.77300D-01	1.20070D+00	10.9600	0.0000	6.8350	3.5780	3.2570	0.0000	3	0	MO114	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
544	RU114	1.11800D+01	6.19990D-02	4.2650	0.0000	2.3167	1.4730	0.8437	0.0000	3	0	TC114	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
545	RH114	1.68000D+00	4.12590D-01	8.3000	0.0000	4.4950	2.7420	1.7530	0.0000	2	0	RU114	1	1.00000D+00	0.00000D+00
		7.00000D-02	1.71910D-02	1.6600	0.0000	0.0000	0.0000	0.0000	0.0000						
546	PD114	1.44000D+02	4.81350D-03	1.4000	0.0000	0.5198	0.5198	0.0000	0.0000	1	0	RH114	1	1.00000D+00	0.00000D+00
		6.00000D+00	2.00560D-04	0.2800	0.0000	0.1783	0.1783	0.0000	0.0000						
547	AG114	4.52000D+00	1.53350D-01	4.8600	0.0000	2.2538	2.0432	0.2107	0.0000	0	0	PD114	1	1.00000D+00	0.00000D+00
		7.00000D-02	2.37490D-03	0.1400	0.0000	0.3357	0.3355	0.0104	0.0000						
548	CD114	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	*0	0	AG114	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			IN114M	4	4.30000D-02	3.00000D-03
												IN114	4	5.50000D-03	5.00000D-04
												CD113	3	1.00000D+00	0.00000D+00
549	IN114M	4.27770D+06	1.62040D-07	0.1903	0.0000	0.2413	0.0000	0.0845	0.1568	0	0				
		8.64000D+02	3.27280D-11	0.0000	0.0000	0.0099	0.0000	0.0028	0.0095						
550	IN114	7.19000D+01	9.64040D-03	1.9846	1.4440	0.7754	0.7727	0.0027	0.0000	0	0	IN114M	2	9.57000D-01	3.00000D-03
		1.00000D-01	1.34080D-05	0.0027	0.0050	0.0015	0.0015	0.0002	0.0000						
551	SN114	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	IN114	1	9.94500D-01	5.00000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
552	MO115	2.73000D-01	2.53900D+00	10.7400	0.0000	6.5960	3.5980	2.9980	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
553	TC115	8.72400D-01	7.94530D-01	8.6870	0.0000	5.1570	2.9950	2.1620	0.0000	3	0	MO115	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
554	RU115	2.12000D+00	3.26960D-01	7.4070	0.0000	4.3440	2.5380	1.8060	0.0000	3	0	TC115	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
555	RH115	8.60700D+00	8.05330D-02	5.6050	0.0000	3.0750	2.0210	1.0540	0.0000	3	0	RU115	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
556	PD115	3.74000D+01	1.85330D-02	4.5000	0.0000	2.5020	1.4350	1.0670	0.0000	2	0	RH115	1	1.00000D+00	0.00000D+00
		4.00000D-01	1.98220D-04	0.9000	0.0000	0.0000	0.0000	0.0000	0.0000						
557	AG115M	5.50000D+01	1.26030D-02	0.0500	0.0000	1.6498	1.0773	0.5725	0.0000	0	0	PD115	1	2.70000D-01	2.00000D-02
		2.00000D+00	4.58280D-04	0.0300	0.0000	0.1530	0.1492	0.0336	0.0000						
558	AG115	1.20000D+03	5.77620D-04	3.1800	0.0000	1.5631	1.1101	0.4531	0.0000	0	0	PD115	1	7.30000D-01	2.00000D-02
		3.00000D+01	1.44410D-05	0.1000	0.0000	0.1706	0.1699	0.0157	0.0000						
559	CD115M	3.85340D+06	1.79880D-07	0.1810	0.0000	0.6317	0.6098	0.0219	0.0000	0	0	AG115M	1	1.40000D-01	5.00000D-02
		2.59200D+04	1.20990D-09	0.0010	0.0000	0.0124	0.0124	0.0005	0.0000			AG115	1	5.30000D-02	3.00000D-03
560	CD115	1.92460D+05	3.60160D-06	1.4476	0.0000	0.5118	0.3187	0.1917	0.0015	0	0	AG115M	1	8.60000D-01	5.00000D-02
		3.60000D+02	6.73700D-09	0.0020	0.0000	0.0150	0.0150	0.0010	0.0002			AG115	1	9.47000D-01	3.00000D-03

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
561	IN115M	1.54800D+04	4.47770D-05	0.3362	0.0000	0.3344	0.0104	0.1633	0.1607	0	0	CD115M	1	7.00000D-05	3.00000D-05
		3.60000D+02	1.04130D-06	0.0000	0.0000	0.0043	0.0022	0.0013	0.0034			CD115	1	1.00000D+00	0.00000D+00
562	IN115	1.60940D+22	4.30680D-23	0.4950	0.0000	0.1522	0.1522	0.0000	0.0000	0	1	CD115M	1	9.99930D-01	3.00000D-05
		1.26230D+21	3.37790D-24	0.0080	0.0000	0.0028	0.0028	0.0000	0.0000			CD115	1	7.00000D-07	3.00000D-07
												IN115M	2	9.63000D-01	1.00000D-03
563	SN115	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	IN115M	1	3.70000D-02	1.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			IN115	1	1.00000D+00	0.00000D+00
												SB115	4	1.00000D+00	0.00000D+00
564	SB115	1.90800D+03	3.63280D-04	0.0000	3.0300	1.1201	0.2247	0.8954	0.0000	0	0	TE115	4	1.00000D+00	0.00000D+00
		1.20000D+01	2.28480D-06	0.0000	0.0200	0.0596	0.0271	0.0531	0.0000						
565	TE115	3.60000D+02	1.92540D-03	0.0000	4.5900	2.7643	0.6024	2.1619	0.0000	0	0				
		1.20000D+01	6.41800D-05	0.0000	0.0500	0.1814	0.0607	0.1709	0.0000						
566	MO116	3.34100D-01	2.07470D+00	8.6320	0.0000	4.9150	3.1780	1.7370	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
567	TC116	4.43400D-01	1.56330D+00	11.4400	0.0000	7.1880	3.6930	3.4950	0.0000	3	0	MO116	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
568	RU116	4.18100D+00	1.65780D-01	5.1700	0.0000	2.8290	1.8430	0.9860	0.0000	3	0	TC116	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
569	RH116	2.00000D+00	3.46570D-01	9.0000	0.0000	5.1870	2.9670	2.2200	0.0000	2	0	RU116	1	1.00000D+00	0.00000D+00
		1.00000D+00	1.73290D-01	1.8000	0.0000	0.0000	0.0000	0.0000	0.0000						
570	PD116	1.36000D+01	5.09670D-02	2.5000	0.0000	1.2663	0.6623	0.6040	0.0000	2	0	RH116	1	1.00000D+00	0.00000D+00
		1.20000D+00	4.49710D-03	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000						
571	AG116M	1.04000D+01	6.66490D-02	0.0810	0.0000	3.3560	2.3130	1.0430	0.0000	2	0				
		8.00000D-01	5.12680D-03	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000						
572	AG116	1.60800D+02	4.31060D-03	6.1000	0.0000	4.2220	1.3970	2.8250	0.0000	2	0	PD116	1	1.00000D+00	0.00000D+00
		6.00000D-01	1.60840D-05	1.2200	0.0000	0.0000	0.0000	0.0000	0.0000			AG116M	2	2.00000D-02	1.00000D-02
573	CD116	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	AG116M	1	9.80000D-01	1.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			AG116	1	1.00000D+00	0.00000D+00
574	IN116N	2.16000D+00	3.20900D-01	0.2897	0.0000	0.1624	0.0000	0.0568	0.1055	0	0	IN115	3	4.50000D-01	5.00000D-02
		2.00000D-02	2.97130D-03	0.0000	0.0000	0.0046	0.0000	0.0032	0.0032						
575	IN116M	3.24900D+03	2.13340D-04	0.1273	0.0000	2.7765	0.3036	2.4729	0.0000	0	0	IN116N	2	1.00000D+00	0.00000D+00
		3.60000D+00	2.36390D-07	0.0000	0.0000	0.1207	0.0067	0.1205	0.0000			IN115	3	3.50000D-01	4.00000D-02
576	IN116	1.41000D+01	4.91590D-02	3.2730	0.4640	1.3885	1.3702	0.0182	0.0000	0	0	IN115	3	2.00000D-01	3.00000D-02
		3.00000D-02	1.04590D-04	0.0080	0.0080	0.3403	0.3403	0.0016	0.0000						
577	SN116	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	IN116M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			IN116	1	1.00000D+00	0.00000D+00
578	TC117	6.00200D-01	1.15490D+00	9.2780	0.0000	5.5630	3.1730	2.3900	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
579	RU117	1.42200D+00	4.87440D-01	7.9520	0.0000	4.7230	2.6970	2.0260	0.0000	3	0	TC117	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
580	RH117	1.70000D+00	4.07730D-01	7.3500	0.0000	3.6480	2.2690	1.3590	0.0000	2	0	RU117	1	1.00000D+00	0.00000D+00
		3.00000D-01	7.19530D-02	1.4700	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
581	PD117	5.00000D+00	1.38630D-01	5.7000	0.0000	3.0020	1.9150	1.0870	0.0000	2	0	RH117	1	1.00000D+00	0.00000D+00
		5.00000D-01	1.38630D-02	1.1400	0.0000	0.0000	0.0000	0.0000	0.0000						
582	AG117M	5.34000D+00	1.29800D-01	0.0250	0.0000	2.3188	1.4574	0.8461	0.0153	1	0				
		5.00000D-02	1.21540D-03	0.0100	0.0000	0.1852	0.1779	0.0514	0.0018						
583	AG117	7.26000D+01	9.54750D-03	4.1800	0.0000	2.5845	1.2374	1.3374	0.0097	0	0	PD117	1	1.00000D+00	0.00000D+00
		1.80000D+00	2.36710D-04	0.1200	0.0000	0.1284	0.1119	0.0629	0.0010						
584	CD117M	1.20960D+04	5.73040D-05	0.1365	0.0000	2.2320	0.2062	2.0258	0.0000	0	0	AG117M	1	1.46000D-01	4.00000D-03
		1.80000D+02	8.52740D-07	0.0005	0.0000	0.1778	0.0177	0.1769	0.0000			AG117	1	1.26000D-01	4.00000D-03
585	CD117	8.96400D+03	7.73260D-05	2.5280	0.0000	1.5357	0.4195	1.1055	0.0106	0	0	AG117M	1	8.54000D-01	4.00000D-03
		1.44000D+02	1.24220D-06	0.0140	0.0000	0.0678	0.0319	0.0598	0.0017			AG117	1	8.74000D-01	4.00000D-03
586	IN117M	6.94800D+03	9.97620D-05	0.3153	0.0000	0.5158	0.3509	0.0667	0.0982	0	0	CD117M	1	1.50000D-02	3.00000D-03
		7.20000D+01	1.03380D-06	0.0000	0.0000	0.0577	0.0556	0.0060	0.0142			CD117	1	9.15000D-01	5.00000D-03
587	IN117	2.53800D+03	2.73110D-04	1.4550	0.0000	0.9492	0.2470	0.6811	0.0211	0	0	CD117M	1	9.85000D-01	3.00000D-03
		7.80000D+01	8.39340D-06	0.0080	0.0000	0.0819	0.0484	0.0660	0.0021			CD117	1	8.50000D-02	5.00000D-03
												IN117M	2	4.70000D-01	2.00000D-02
588	SN117M	1.20960D+06	5.73040D-07	0.3146	0.0000	0.3139	0.0000	0.1368	0.1771	0	0	IN117	1	1.50000D-02	5.00000D-03
		2.59200D+04	1.22790D-08	0.0000	0.0000	0.0022	0.0000	0.0006	0.0021						
589	SN117	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	IN117M	1	5.30000D-01	2.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			IN117	1	9.85000D-01	5.00000D-03
												SN117M	2	1.00000D+00	0.00000D+00
												SB117	4	1.00000D+00	0.00000D+00
590	SB117	1.00800D+04	6.87650D-05	0.0000	1.7450	0.1679	0.0044	0.1635	0.0000	0	0	TE117	4	1.00000D+00	0.00000D+00
		3.60000D+01	2.45590D-07	0.0000	0.0180	0.0075	0.0008	0.0075	0.0000						
591	TE117	3.72000D+03	1.86330D-04	0.0000	3.4900	1.5457	0.1184	1.4273	0.0000	0	0				
		1.80000D+02	9.01600D-06	0.0000	0.0300	0.1111	0.0165	0.1099	0.0000						
592	TC118	3.04600D-01	2.27560D+00	12.1500	0.0000	7.7120	3.8770	3.8350	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
593	RU118	2.30500D+00	3.00710D-01	5.8170	0.0000	3.2120	2.0940	1.1180	0.0000	3	0	TC118	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
594	RH118	1.52000D+00	4.56020D-01	9.2300	0.0000	5.5880	3.0940	2.4940	0.0000	3	0	RU118	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
595	PD118	3.10000D+00	2.23600D-01	4.0000	0.0000	1.7594	1.0440	0.7154	0.0000	2	0	RH118	1	1.00000D+00	0.00000D+00
		3.00000D-01	2.16380D-02	0.8000	0.0000	0.0000	0.0000	0.0000	0.0000						
596	AG118M	2.00000D+00	3.46570D-01	0.1277	0.0000	1.3410	0.7890	0.5520	0.0000	2	0				
		2.00000D-01	3.46570D-02	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000						
597	AG118	3.76000D+00	1.84350D-01	7.0000	0.0000	3.9490	2.5150	1.4340	0.0000	2	0	PD118	1	1.00000D+00	0.00000D+00
		1.50000D-01	7.35430D-03	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000			AG118M	2	6.90000D-01	2.00000D-02
598	CD118	3.01800D+03	2.29670D-04	0.7500	0.0000	0.2477	0.2477	0.0000	0.0000	0	0	AG118M	1	3.10000D-01	2.00000D-02
		1.20000D+01	9.13200D-07	0.3000	0.0000	0.1165	0.1165	0.0000	0.0000			AG118	1	1.00000D+00	0.00000D+00
599	IN118N	8.50000D+00	8.15470D-02	0.2000	0.0000	0.1382	0.0000	0.0304	0.1078	1	0				
		3.00000D-01	2.87810D-03	0.0200	0.0000	0.0039	0.0000	0.0028	0.0028						
600	IN118M	2.67000D+02	2.59610D-03	0.0600	0.0000	3.2921	0.5719	2.7201	0.0000	1	0	IN118N	2	1.00000D+00	0.00000D+00
		3.00000D+00	2.91690D-05	0.0200	0.0000	0.2133	0.1504	0.1513	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
601	IN118	5.00000D+00	1.38630D-01	4.2000	0.0000	1.8624	1.7845	0.0778	0.0000	0	0	CD118	1	1.00000D+00	0.00000D+00
		3.00000D-01	8.31780D-03	0.3000	0.0000	0.3743	0.3742	0.0079	0.0000						
602	SN118	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	IN118M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			IN118	1	1.00000D+00	0.00000D+00
												SB118M	4	1.00000D+00	0.00000D+00
												SB118	4	1.00000D+00	0.00000D+00
603	SB118M	1.80000D+04	3.85080D-05	0.2120	0.0000	2.5815	0.0002	2.5596	0.0217	0	0				
		3.60000D+01	7.70160D-08	0.0020	0.0000	0.0809	0.0000	0.0809	0.0021						
604	SB118	2.16000D+02	3.20900D-03	0.0000	3.6863	1.6910	0.8879	0.8032	0.0000	0	0	TE118	4	1.00000D+00	0.00000D+00
		6.00000D+00	8.91390D-05	0.0000	0.0029	0.1169	0.0889	0.0758	0.0000						
605	TE118	5.18400D+05	1.33710D-06	0.0000	0.2960	0.0000	0.0000	0.0000	0.0000	0	0				
		1.72800D+03	4.45700D-09	0.0000	0.0250	0.0000	0.0000	0.0000	0.0000						
606	RU119	8.58900D-01	8.07020D-01	8.6930	0.0000	5.2310	2.9200	2.3110	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
607	RH119	2.54700D+00	2.72140D-01	7.0780	0.0000	4.0740	2.4760	1.5980	0.0000	3	0	RU119	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
608	PD119	5.95700D+00	1.16360D-01	6.0770	0.0000	3.4480	2.1110	1.3370	0.0000	3	0	RH119	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
609	AG119	2.10000D+00	3.30070D-01	5.3600	0.0000	3.1178	1.7771	1.3187	0.0220	1	0	PD119	1	1.00000D+00	0.00000D+00
		1.00000D-01	1.57180D-02	1.0800	0.0000	0.5529	0.5455	0.0899	0.0021						
610	CD119M	1.14000D+02	6.08020D-03	0.1464	0.0000	3.1653	0.7999	2.3653	0.0000	1	0	AG119	1	1.92000D-01	2.00000D-03
		1.20000D+01	6.40020D-04	0.0005	0.0000	0.2907	0.1596	0.2429	0.0000						
611	CD119	1.62000D+02	4.27870D-03	3.5000	0.0000	2.1184	0.9168	1.1975	0.0040	0	0	AG119	1	8.08000D-01	2.00000D-03
		1.80000D+01	4.75410D-04	0.3000	0.0000	0.1871	0.1755	0.0649	0.0013						
612	IN119M	1.08000D+03	6.41800D-04	0.3113	0.0000	1.0601	1.0200	0.0217	0.0184	0	0	CD119M	1	3.00000D-04	2.00000D-04
		3.00000D+01	1.78280D-05	0.0002	0.0000	0.1080	0.1079	0.0022	0.0033			CD119	1	9.28000D-01	2.00000D-03
613	IN119	1.26000D+02	5.50120D-03	2.3370	0.0000	1.3692	0.5824	0.7669	0.0198	0	0	CD119M	1	9.99700D-01	2.00000D-04
		1.20000D+01	5.23920D-04	0.0180	0.0000	0.0900	0.0869	0.0233	0.0012			CD119	1	7.20000D-02	2.00000D-03
												IN119M	2	5.00000D-02	1.00000D-02
614	SN119M	2.11680D+07	3.27450D-08	0.0895	0.0000	0.0895	0.0000	0.0039	0.0856	0	0	IN119	1	1.00000D-02	5.00000D-03
		1.72800D+06	2.67310D-09	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000						
615	SN119	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	IN119M	1	9.50000D-01	1.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			IN119	1	9.90000D-01	5.00000D-03
												SN119M	2	1.00000D+00	0.00000D+00
												SB119	4	1.00000D+00	0.00000D+00
616	SB119	1.36800D+05	5.06690D-06	0.0000	0.5840	0.0239	0.0000	0.0039	0.0200	0	0	TE119M	4	1.00000D+00	0.00000D+00
		7.20000D+02	2.66680D-08	0.0000	0.0120	0.0001	0.0000	0.0000	0.0000			TE119	4	1.00000D+00	0.00000D+00
617	TE119M	4.04350D+05	1.71420D-06	0.3000	0.0000	1.5052	0.0071	1.4889	0.0091	1	0				
		4.32000D+03	1.83140D-08	0.0300	0.0000	0.0228	0.0011	0.0228	0.0010						
618	TE119	5.77800D+04	1.19960D-05	0.0000	2.2940	0.7579	0.0080	0.7499	0.0000	0	0				
		1.80000D+02	3.73720D-08	0.0000	0.0020	0.0198	0.0011	0.0197	0.0000						
619	RU120	1.30100D+00	5.32780D-01	6.5120	0.0000	3.6270	2.3610	1.2660	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
620	RH120	9.99100D-01	6.93770D-01	9.9140	0.0000	6.0980	3.2610	2.8370	0.0000	3	0	RU120	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
621	PD120	1.52400D+01	4.54820D-02	3.9730	0.0000	2.1567	1.3430	0.8137	0.0000	3	0	RH120	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
622	AG120M	3.20000D-01	2.16610D+00	0.2030	0.0000	2.5210	1.1196	1.3729	0.0284	0	0				
		4.00000D-02	2.70760D-01	0.0005	0.0000	0.4489	0.4474	0.0355	0.0081						
623	AG120	1.17000D+00	5.92430D-01	6.0000	0.0000	3.0890	2.3317	0.7572	0.0000	1	0	PD120	1	1.00000D+00	0.00000D+00
		5.00000D-02	2.53180D-02	1.2000	0.0000	0.6798	0.6785	0.0434	0.0000			AG120M	2	3.70000D-01	5.00000D-02
624	CD120	5.08000D+01	1.36450D-02	1.7200	0.0000	0.6596	0.6596	0.0000	0.0000	0	0	AG120	1	1.00000D+00	0.00000D+00
		2.10000D-01	5.64050D-05	0.1000	0.0000	0.1393	0.1393	0.0000	0.0000			AG120M	1	6.30000D-01	5.00000D-02
625	IN120M	4.44000D+01	1.56110D-02	0.0400	0.0000	3.9298	0.9527	2.9758	0.0013	1	0				
		1.00000D+00	3.51610D-04	0.0200	0.0000	0.1087	0.0929	0.0564	0.0003						
626	IN120	3.08000D+00	2.25050D-01	5.3000	0.0000	2.5592	2.2277	0.3314	0.0000	0	0	CD120	1	1.00000D+00	0.00000D+00
		8.00000D-02	5.84540D-03	0.1700	0.0000	0.1738	0.1728	0.0187	0.0000						
627	SN120	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	IN120	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			IN120M	1	1.00000D+00	0.00000D+00
												SB120	4	1.00000D+00	0.00000D+00
												SB120M	4	1.00000D+00	0.00000D+00
628	SB120M	4.97660D+05	1.39280D-06	0.0100	0.0000	2.4837	0.0000	2.4447	0.0390	0	0				
		1.72800D+03	4.83610D-09	0.0100	0.0000	0.0219	0.0000	0.0215	0.0042						
629	SB120	9.53400D+02	7.27030D-04	0.9830	2.6810	0.7457	0.3050	0.4406	0.0000	0	0				
		2.40000D+00	1.83020D-06	0.0220	0.0070	0.0066	0.0050	0.0043	0.0000						
630	TE120	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
631	RH121	1.57300D+00	4.40650D-01	7.7310	0.0000	4.5230	2.6710	1.8520	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
632	PD121	3.16000D+00	2.19350D-01	6.8370	0.0000	3.9730	2.3350	1.6380	0.0000	3	0	RH121	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
633	AG121	8.00000D-01	8.66430D-01	6.2100	0.0000	3.8192	2.0812	1.7380	0.0000	1	0	PD121	1	1.00000D+00	0.00000D+00
		1.00000D-01	1.08300D-01	1.2500	0.0000	0.8613	0.6360	0.5808	0.0000						
634	CD121M	4.80000D+00	1.44410D-01	0.0100	0.0000	3.6483	1.3151	2.3331	0.0000	1	0	AG122	6	4.00000D-03	2.00000D-03
		2.00000D-01	6.01690D-03	0.0100	0.0000	0.7565	0.4746	0.5891	0.0000						
635	CD121	1.35000D+01	5.13440D-02	4.7600	0.0000	3.1794	1.2957	1.8837	0.0000	1	0	AG121	1	1.00000D+00	0.00000D+00
		3.00000D-01	1.14100D-03	0.9600	0.0000	0.5858	0.4641	0.3575	0.0000						
636	IN121M	2.32800D+02	2.97740D-03	0.3136	0.0000	1.5885	1.5033	0.0529	0.0323	0	0	CD121	1	1.00000D+00	0.00000D+00
		6.00000D+00	7.67380D-05	0.0001	0.0000	0.3446	0.3445	0.0068	0.0048						
637	IN121	2.31000D+01	3.00060D-02	3.3590	0.0000	1.9117	0.9846	0.9264	0.0006	0	0	CD121M	1	1.00000D+00	0.00000D+00
		6.00000D-01	7.79390D-04	0.0270	0.0000	0.3009	0.2957	0.0557	0.0001			IN121M	2	1.20000D-02	2.00000D-03
638	SN121M	1.73560D+09	3.99360D-10	0.0063	0.0000	0.0379	0.0233	0.0007	0.0139	0	0	IN121	1	1.10000D-01	1.00000D-02
		1.57780D+08	3.63060D-11	0.0000	0.0000	0.0022	0.0021	0.0001	0.0007						
639	SN121	9.74160D+04	7.11530D-06	0.3866	0.0000	0.1144	0.1144	0.0000	0.0000	0	0	IN121	1	8.90000D-01	1.00000D-02
		1.44000D+02	1.05180D-08	0.0025	0.0000	0.0008	0.0008	0.0000	0.0000			IN121M	1	9.88000D-01	2.00000D-03
												SN121M	2	7.76000D-01	2.00000D-02
640	SB121	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	SN121	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			SN121M	1	2.24000D-01	2.00000D-02
												TE121	4	1.00000D+00	0.00000D+00
												TE121M	4	1.14000D-01	1.10000D-02

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M,NUCL	DTYP	BRANCHING	ERROR OF BR
641	TE121M	1.33060D+07	5.20940D-08	0.2940	0.0000	0.2942	0.0000	0.2026	0.0916	0	0				
		6.04800D+05	2.36790D-09	0.0000	0.0000	0.0106	0.0000	0.0103	0.0023						
642	TE121	1.44980D+06	4.78100D-07	0.0000	1.0800	0.5576	0.0000	0.5567	0.0009	0	0	TE121M	2	8.86000D-01	1.10000D-02
		3.02400D+04	9.97230D-09	0.0000	0.0150	0.0105	0.0000	0.0105	0.0001			I 121	4	1.00000D+00	0.00000D+00
643	I 121	7.63200D+03	9.08210D-05	0.0000	2.3700	0.4644	0.0668	0.3976	0.0000	0	0				
		3.60000D+01	4.28400D-07	0.0000	0.0400	0.0286	0.0098	0.0268	0.0000						
644	RU122	7.06500D-01	9.81100D-01	7.3460	0.0000	4.1300	2.6800	1.4500	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
645	RH122	7.58300D-01	9.14080D-01	10.3700	0.0000	6.4400	3.3700	3.0700	0.0000	3	0	RU122	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
646	PD122	6.30700D+00	1.09900D-01	4.7180	0.0000	2.5709	1.6500	0.9209	0.0000	3	0	RH122	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
647	AG122	4.80000D-01	1.44410D+00	9.1700	0.0000	5.5590	3.0480	2.5110	0.0000	2	0	PD122	1	1.00000D+00	0.00000D+00
		8.00000D-02	2.40680D-01	1.8400	0.0000	0.0000	0.0000	0.0000	0.0000						
648	CD122	5.50000D+00	1.26030D-01	3.5000	0.0000	1.5341	1.4486	0.0854	0.0000	1	0	AG122	1	9.96000D-01	2.00000D-03
		1.00000D-01	2.29140D-03	0.7000	0.0000	0.3676	0.3659	0.0352	0.0000			AG123	6	4.00000D-02	2.00000D-02
649	IN122M	1.00000D+01	6.93150D-02	0.0800	0.0000	3.9220	2.4230	1.4990	0.0000	2	0				
		5.00000D-01	3.46570D-03	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000						
650	IN122	1.50000D+00	4.62100D-01	6.5100	0.0000	3.6050	2.3630	1.2420	0.0000	2	0	CD122	1	1.00000D+00	0.00000D+00
		3.00000D-01	9.24200D-02	0.2300	0.0000	0.0000	0.0000	0.0000	0.0000						
651	SN122	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	IN122	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			IN122M	1	1.00000D+00	0.00000D+00
												SB122	4	2.40000D-02	6.00000D-03
652	SB122M	2.52000D+02	2.75060D-03	0.1632	0.0000	0.1632	0.0000	0.0468	0.1164	0	0	SB121	3	1.00000D-02	2.00000D-03
		1.20000D+01	1.30980D-04	0.0001	0.0000	0.0006	0.0000	0.0004	0.0004						
653	SB122	2.33280D+05	2.97130D-06	1.9809	1.6227	1.0179	0.5610	0.4569	0.0000	0	0	SB122M	2	1.00000D+00	0.00000D+00
		8.64000D+02	1.10050D-08	0.0038	0.0036	0.0376	0.0034	0.0375	0.0000			SB121	3	9.90000D-01	5.00000D-02
654	TE122	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	SB122	1	9.76000D-01	6.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
655	RH123	9.29700D-01	7.45560D-01	8.4990	0.0000	5.0500	2.9030	2.1470	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
656	PD123	2.05500D+00	3.37300D-01	7.3850	0.0000	4.3540	2.4950	1.8590	0.0000	3	0	RH123	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
657	AG123	3.90000D-01	1.77730D+00	7.0000	0.0000	4.4990	2.6400	1.8590	0.0000	2	0	PD123	1	1.00000D+00	0.00000D+00
		3.00000D-02	1.36710D-01	1.4000	0.0000	0.0000	0.0000	0.0000	0.0000						
658	CD123	5.00000D+00	1.38630D-01	5.5000	0.0000	2.9650	1.8660	1.0990	0.0000	2	0	AG123	1	9.60000D-01	2.00000D-02
		1.00000D+00	2.77260D-02	1.1000	0.0000	0.0000	0.0000	0.0000	0.0000						
659	IN123M	4.78000D+01	1.45010D-02	0.3200	0.0000	2.0827	2.0036	0.0664	0.0127	0	0				
		5.00000D-01	1.51680D-04	0.0100	0.0000	0.3548	0.3542	0.0210	0.0038						
660	IN123	5.97000D+00	1.16100D-01	4.3810	0.0000	2.4564	1.3537	1.1027	0.0000	0	0	CD123	1	1.00000D+00	0.00000D+00
		5.00000D-02	9.72400D-04	0.0400	0.0000	0.1061	0.0938	0.0497	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
661	SN123M	2.40480D+03	2.88240D-04	0.0247	0.0000	0.6169	0.4563	0.1606	0.0000	0	0	IN123	1	9.68000D-01	1.00000D-02
		4.20000D+00	5.03400D-07	0.0005	0.0000	0.0457	0.0456	0.0016	0.0000			IN123M	1	1.00000D+00	0.00000D+00
662	SN123	1.11630D+07	6.20940D-08	1.3970	0.0000	0.5191	0.5122	0.0069	0.0000	0	0	IN123	1	3.20000D-02	1.00000D-02
		3.45600D+04	1.92240D-10	0.0040	0.0000	0.0019	0.0018	0.0007	0.0000						
663	SB123	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	SN123	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			SN123M	1	1.00000D+00	0.00000D+00
												TE123	4	1.00000D+00	0.00000D+00
664	TE123M	1.03420D+07	6.70220D-08	0.2475	0.0000	0.2473	0.0000	0.1336	0.1137	0	0	I 123	4	4.00000D-05	1.00000D-05
		8.64000D+03	5.59920D-11	0.0000	0.0000	0.0136	0.0000	0.0134	0.0025						
665	TE123	3.91310D+20	1.77140D-21	0.0000	0.0520	0.0000	0.0000	0.0000	0.0000	0	0	TE123M	2	1.00000D+00	0.00000D+00
		3.78680D+19	1.71420D-22	0.0000	0.0023	0.0000	0.0000	0.0000	0.0000			I 123	4	9.99960D-01	1.00000D-05
666	I 123	4.75200D+04	1.45860D-05	0.0000	1.2000	0.1467	0.0000	0.1467	0.0000	0	0				
		3.60000D+02	1.10500D-07	0.0000	0.1000	0.0009	0.0000	0.0009	0.0000						
667	RU124	3.64300D-01	1.90270D+00	8.3700	0.0000	4.7510	3.0670	1.6840	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
668	RH124	5.61800D-01	1.23380D+00	10.8800	0.0000	6.8220	3.4960	3.3260	0.0000	3	0	RU124	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
669	PD124	2.77600D+00	2.49690D-01	5.5510	0.0000	3.0530	1.9810	1.0720	0.0000	3	0	RH124	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
670	AG124	1.36900D+00	5.06320D-01	9.3660	0.0000	5.7120	3.0900	2.6220	0.0000	3	0	PU124	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
671	CD124	9.00000D-01	7.70160D-01	4.7000	0.0000	2.1521	1.9819	0.1403	0.0298	1	0	AG124	1	1.00000D+00	0.00000D+00
		2.00000D-01	1.71150D-01	0.9400	0.0000	0.5084	0.5082	0.0130	0.0037						
672	IN124M	2.40000D+00	2.88810D-01	0.1900	0.0000	4.2190	2.5580	1.6610	0.0000	2	0				
		3.00000D-01	3.61010D-02	0.0900	0.0000	0.0000	0.0000	0.0000	0.0000						
673	IN124	3.21000D+00	2.15930D-01	7.1400	0.0000	4.0800	2.5100	1.5700	0.0000	2	0	CU124	1	1.00000D+00	0.00000D+00
		6.00000D-02	4.03610D-03	0.0900	0.0000	0.0000	0.0000	0.0000	0.0000						
674	SN124	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	IN124	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			IN124M	1	1.00000D+00	0.00000D+00
675	SB124N	1.21200D+03	5.71900D-04	0.0350	0.0000	0.0250	0.0000	0.0000	0.0250	1	0				
		1.20000D+01	5.66240D-06	0.0010	0.0000	0.0010	0.0000	0.0000	0.0010						
676	SB124M	9.30000D+01	7.45320D-03	0.0107	0.0000	0.4461	0.0838	0.3516	0.0107	1	0	SB124N	2	1.00000D+00	0.00000D+00
		5.00000D+00	4.00710D-04	0.0001	0.0000	0.0219	0.0082	0.0203	0.0001			SB123	3	1.00000D-02	3.00000D-03
677	SB124	5.20130D+06	1.33270D-07	2.9050	0.6270	2.2389	0.3830	1.8558	0.0000	0	0	SB124M	2	8.00000D-01	4.00000D-02
		1.72800D+03	4.42740D-11	0.0019	0.0050	0.0103	0.0053	0.0089	0.0000			SB123	3	9.90000D-01	7.00000D-02
678	TE124	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	SB124	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			SB124M	1	2.00000D-01	4.00000D-02
679	PD125	1.32400D+00	5.23520D-01	7.9800	0.0000	4.7630	2.6710	2.0920	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
680	AG125	1.76700D+00	3.92270D-01	7.5450	0.0000	4.4060	2.5910	1.8150	0.0000	3	0	PD125	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
681	CD125	6.24400D+00	1.11010D-01	5.9970	0.0000	3.4090	2.0610	1.3480	0.0000	3	0	AG125	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
682	IN125M	1.22000D+01	5.68150D-02	0.1800	0.0000	3.4960	1.6600	1.8360	0.0000	2	0				
		1.00000D-01	4.65700D-04	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000						
683	IN125	2.32000D+00	2.98770D-01	5.4800	0.0000	3.0170	1.9370	1.0800	0.0000	2	0	CD125	1	1.00000D+00	0.00000D+00
		3.00000D-02	3.86340D-03	0.0800	0.0000	0.0000	0.0000	0.0000	0.0000						
684	SN125M	5.71200D+02	1.21350D-03	0.0275	0.0000	1.1423	0.7954	0.3469	0.0000	0	0	IN125	1	8.90000D-01	2.00000D-02
		3.00000D+00	6.37340D-06	0.0002	0.0000	0.1187	0.1187	0.0009	0.0000			IN125M	1	1.00000D+00	0.00000D+00
685	SN125	8.32900D+05	8.32210D-07	2.3500	0.0000	1.1257	0.8124	0.3133	0.0000	0	0	IN125	1	1.10000D-01	2.00000D-02
		2.59200D+03	2.58990D-09	0.0060	0.0000	0.1569	0.1559	0.0179	0.0000						
686	SB125	8.74130D+07	7.92960D-09	0.7668	0.0000	0.5260	0.0839	0.4190	0.0230	0	0	SN125M	1	1.00000D+00	0.00000D+00
		1.26230D+06	1.14510D-10	0.0020	0.0000	0.0023	0.0006	0.0005	0.0021			SN125	1	1.00000D+00	0.00000D+00
687	TE125M	5.01120D+06	1.38320D-07	0.1447	0.0000	0.1447	0.0000	0.0027	0.1421	0	0	SB125	1	2.18000D-01	2.00000D-02
		8.64000D+04	2.38480D-09	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000						
688	TE125	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	SB125	1	7.82000D-01	2.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			TE125M	2	1.00000D+00	0.00000D+00
												I 125	4	1.00000D+00	0.00000D+00
689	I 125	5.19610D+06	1.33400D-07	0.0000	0.1772	0.0354	0.0000	0.0024	0.0331	0	0	XE125	4	1.00000D+00	0.00000D+00
		9.50400D+03	2.43990D-10	0.0000	0.0020	0.0001	0.0000	0.0000	0.0000						
690	XE125M	5.70000D+01	1.21610D-02	0.2520	0.0000	0.2518	0.0000	0.0984	0.1534	0	0				
		1.00000D+00	2.13340D-04	0.0010	0.0000	0.0120	0.0000	0.0000	0.0120						
691	XE125	6.12000D+04	1.13260D-05	0.0000	1.7350	0.2796	0.0016	0.2478	0.0302	0	0	XE125M	2	1.00000D+00	0.00000D+00
		1.08000D+03	1.99870D-07	0.0000	0.0400	0.0051	0.0002	0.0040	0.0031						
692	PD126	1.23100D+00	5.63080D-01	6.5290	0.0000	3.6350	2.3590	1.2760	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
693	AG126	1.03100D+00	6.72310D-01	9.9940	0.0000	6.4340	2.9960	3.4380	0.0000	3	0	PD126	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
694	CD126	5.06000D-01	1.36990D+00	4.6000	0.0000	2.0501	1.9862	0.0639	0.0000	1	0	AG126	1	1.00000D+00	0.00000D+00
		1.50000D-02	4.06080D-02	0.9200	0.0000	0.4534	0.4533	0.0066	0.0000						
695	IN126M	2.10000D+00	3.30070D-01	0.1500	0.0000	4.8710	2.7740	2.0970	0.0000	2	0	CD126	1	1.00000D+00	0.00000D+00
		3.00000D-01	4.71530D-02	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000						
696	IN126	1.53000D+00	4.53040D-01	8.0600	0.0000	4.7610	2.7350	2.0260	0.0000	2	0				
		1.00000D-02	2.96100D-03	0.1700	0.0000	0.0000	0.0000	0.0000	0.0000						
697	SN126	3.15570D+12	2.19649D-13	0.3780	0.0000	0.2630	0.0702	0.1305	0.0623	0	0	IN126	1	1.00000D+00	0.00000D+00
		6.31140D+11	4.39298D-14	0.0300	0.0000	0.0107	0.0093	0.0027	0.0045			IN126M	1	1.00000D+00	0.00000D+00
												IN127M	6	4.50000D-03	2.00000D-03
698	SB126M	1.14000D+03	6.08020D-04	0.0177	0.0000	2.4312	0.6292	1.7995	0.0025	0	0	SN126	1	1.00000D+00	0.00000D+00
		1.80000D+01	9.60040D-06	0.0003	0.0000	0.0556	0.0381	0.0405	0.0004						
699	SB126	1.07140D+06	6.46980D-07	3.6650	0.0000	3.1581	0.3128	2.8453	0.0000	0	0	SB126M	2	1.40000D-01	2.00000D-02
		8.64000D+03	5.21760D-09	0.0520	0.0000	0.1172	0.0258	0.1143	0.0000						
700	TE126	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	SB126	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			SB126M	1	8.60000D-01	2.00000D-02
												I 126	4	5.60000D-01	3.00000D-02

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
701	I 126	1.12490D+06	6.16170D-07	1.2510	2.1560	0.5412	0.1428	0.3984	0.0000	0	0				
		1.46880D+04	8.04520D-09	0.0050	0.0050	0.0101	0.0100	0.0017	0.0000						
702	XE126	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	I 126	1	4.40000D-01	3.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
703	AG127	9.02600D-01	7.67950D-01	8.5170	0.0000	5.0680	2.8870	2.1810	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
704	CD127	4.10100D+00	1.69020D-01	6.6770	0.0000	4.0740	2.0730	2.0010	0.0000	3	0	AG127	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
705	IN127M	3.76000D+00	1.84350D-01	0.1600	0.0000	3.9180	2.1910	1.7270	0.0000	2	0				
		3.00000D-02	1.47090D-03	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000						
706	IN127	1.30000D+00	5.33190D-01	6.4900	0.0000	3.6950	2.2520	1.4430	0.0000	2	0	CD127	1	1.00000D+00	0.00000D+00
		2.00000D-01	8.20290D-02	0.0700	0.0000	0.0000	0.0000	0.0000	0.0000						
707	SN127M	2.64000D+02	2.62560D-03	0.0050	0.0000	1.6601	1.0285	0.6316	0.0000	1	0	IN127	1	8.40000D-01	8.00000D-02
		6.00000D+00	5.96720D-05	0.0020	0.0000	0.1174	0.1078	0.0463	0.0000			IN127M	1	9.95500D-01	2.00000D-03
												IN128	6	4.00000D-03	2.00000D-03
708	SN127	7.56000D+03	9.16860D-05	3.1000	0.0000	2.3760	0.4602	1.9158	0.0000	0	0	IN127	1	1.60000D-01	8.00000D-02
		1.44000D+02	1.74640D-06	0.1000	0.0000	0.0734	0.0661	0.0321	0.0000						
709	SB127	3.30910D+05	2.09470D-06	1.5810	0.0000	0.9989	0.3089	0.6872	0.0027	0	0	SN127	1	1.00000D+00	0.00000D+00
		3.45600D+03	2.18760D-08	0.0050	0.0000	0.0092	0.0063	0.0067	0.0003			SN127M	1	1.00000D+00	0.00000D+00
710	TE127M	9.41760D+06	7.36010D-08	0.0883	0.0000	0.0933	0.0057	0.0005	0.0871	0	0	SB127	1	1.39000D-01	1.00000D-02
		1.72800D+05	1.35050D-09	0.0000	0.0000	0.0012	0.0011	0.0000	0.0002						
711	TE127	3.36600D+04	2.05930D-05	0.6940	0.0000	0.2277	0.2229	0.0048	0.0000	0	0	SB127	1	8.61000D-01	1.00000D-02
		2.52000D+02	1.54170D-07	0.0050	0.0000	0.0555	0.0555	0.0000	0.0000			TE127M	2	9.76000D-01	2.00000D-03
712	I 127	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	TE127	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			TE127M	1	2.40000D-02	2.00000D-03
												XE127	4	1.00000D+00	0.00000D+00
713	XE127M	7.00000D+01	9.90210D-03	0.2972	0.0000	0.2971	0.0000	0.1481	0.1490	1	0				
		1.00000D+00	1.41460D-04	0.0594	0.0000	0.0124	0.0000	0.0106	0.0064						
714	XE127	3.14580D+06	2.20340D-07	0.0000	0.6640	0.2786	0.0000	0.2541	0.0245	0	0	XE127M	2	1.00000D+00	0.00000D+00
		1.72800D+03	1.21030D-10	0.0000	0.0040	0.0033	0.0000	0.0024	0.0023			CS127	4	1.00000D+00	0.00000D+00
715	CS127	2.25000D+04	3.08070D-05	0.0000	2.1100	0.4462	0.0140	0.4184	0.0137	0	0				
		3.60000D+02	4.92910D-07	0.0000	0.0200	0.0328	0.0016	0.0327	0.0016						
716	PD128	5.78700D-01	1.19780D+00	7.5810	0.0000	4.2670	2.7610	1.5060	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
717	AG128	6.75300D-01	1.02640D+00	10.6700	0.0000	6.8980	3.1990	3.6990	0.0000	3	0	PD128	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
718	CD128	9.40000D-01	7.37390D-01	5.2800	0.0000	2.8340	1.8310	1.0030	0.0000	2	0	AG128	1	1.00000D+00	0.00000D+00
		5.00000D-02	3.92230D-02	1.0600	0.0000	0.0000	0.0000	0.0000	0.0000						
719	IN128M	5.60000D+00	1.23780D-01	0.0800	0.0000	6.1910	2.6340	3.5570	0.0000	2	0				
		4.00000D-01	8.84120D-03	0.0400	0.0000	0.0000	0.0000	0.0000	0.0000						
720	IN128	8.40000D-01	8.25180D-01	9.3100	0.0000	5.6820	3.0490	2.6330	0.0000	2	0	CD128	1	1.00000D+00	0.00000D+00
		6.00000D-02	5.89410D-02	0.1600	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
721	SN128	3.60000D+03	1.92540D-04	1.2900	0.0000	0.8684	0.1990	0.5618	0.1076	0	0	IN128	1	9.96000D-01	2.00000D-03
		2.40000D+01	1.28360D-06	0.0100	0.0000	0.0282	0.0182	0.0210	0.0048			IN128M	1	1.00000D+00	0.00000D+00
												IN129	6	3.60000D-02	1.20000D-02
												IN129M	6	5.00000D-02	5.00000D-02
722	SB128M	6.24000D+02	1.11080D-03	0.0200	0.0000	2.8482	0.9329	1.9146	0.0007	1	0	SN128	1	1.00000D+00	0.00000D+00
		1.20000D+01	2.13620D-05	0.0200	0.0000	0.1308	0.1069	0.0755	0.0008						
723	SB128	3.24360D+04	2.13700D-05	4.2600	0.0000	3.5178	0.4256	3.0923	0.0000	0	0	SB128M	2	3.60000D-02	1.80000D-02
		1.08000D+02	7.11530D-08	0.1500	0.0000	0.0910	0.0664	0.0623	0.0000						
724	TE128	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	SB128	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			SB128M	1	9.64000D-01	1.80000D-02
												I 128	4	6.10000D-02	5.00000D-03
725	I 128	1.49940D+03	4.62280D-04	2.1270	1.2580	0.8323	0.7484	0.0838	0.0000	0	0	I 127	3	1.00000D+00	0.00000D+00
		1.20000D+00	3.69970D-07	0.0050	0.0050	0.1309	0.1304	0.0107	0.0000						
726	XE128	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	I 128	1	9.39000D-01	5.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
727	CD129	2.25800D+00	3.06970D-01	7.3770	0.0000	4.5320	2.3040	2.2280	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
728	IN129M	2.50000D+00	2.77260D-01	0.2000	0.0000	5.1020	2.1550	2.9470	0.0000	2	0				
		2.00000D-01	2.21810D-02	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000						
729	IN129	9.90000D-01	7.00150D-01	7.6000	0.0000	4.4490	2.5880	1.8610	0.0000	2	0	CD129	1	1.00000D+00	0.00000D+00
		2.00000D-02	1.41440D-02	0.1200	0.0000	0.0000	0.0000	0.0000	0.0000						
730	SN129M	4.50000D+02	1.54030D-03	0.0350	0.0000	2.3456	1.1836	1.1620	0.0000	1	0	IN129	1	1.20000D-01	4.00000D-02
		6.00000D+00	2.05380D-05	0.0050	0.0000	0.3237	0.3021	0.1162	0.0000			IN130	6	2.50000D-02	1.20000D-02
731	SN129	1.51200D+02	4.58430D-03	3.9900	0.0000	2.0545	1.4125	0.6420	0.0000	0	0	IN129	1	8.44000D-01	4.00000D-02
		7.20000D+00	2.18300D-04	0.1300	0.0000	0.3641	0.3584	0.0642	0.0000			IN129M	1	9.50000D-01	5.00000D-02
732	SB129	1.55520D+04	4.45700D-05	2.3770	0.0000	1.8013	0.3459	1.4554	0.0000	0	0	SN129	1	1.00000D+00	0.00000D+00
		1.08000D+02	3.09510D-07	0.0210	0.0000	0.0859	0.0138	0.0848	0.0000			SN129M	1	1.00000D+00	0.00000D+00
733	TE129M	2.90300D+06	2.38770D-07	0.1055	0.0000	0.2967	0.1990	0.0294	0.0684	0	0	SB129	1	9.60000D-02	1.00000D-02
		8.64000D+03	7.10610D-10	0.0000	0.0000	0.0368	0.0362	0.0001	0.0063			TE128	3	7.00000D-02	1.00000D-02
734	TE129	4.17600D+03	1.65980D-04	1.4980	0.0000	0.6016	0.5223	0.0551	0.0242	0	0	SB129	1	9.04000D-01	1.00000D-02
		1.20000D+01	4.76960D-07	0.0040	0.0000	0.0091	0.0054	0.0068	0.0028			TE129M	2	6.50000D-01	5.00000D-02
												TE128	3	9.30000D-01	6.00000D-02
735	I 129	4.95440D+14	1.39900D-15	0.1920	0.0000	0.0805	0.0409	0.0030	0.0366	0	1	TE129M	1	3.50000D-01	6.00000D-02
		1.26230D+13	3.56440D-17	0.0040	0.0000	0.0012	0.0011	0.0001	0.0001			TE129	1	1.00000D+00	0.00000D+00
736	XE129M	6.91200D+05	1.00280D-06	0.2361	0.0000	0.2363	0.0000	0.0122	0.2241	0	0				
		1.72800D+04	2.50700D-08	0.0001	0.0000	0.0006	0.0000	0.0004	0.0004						
737	XE129	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	I 129	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			XE129M	2	1.00000D+00	0.00000D+00
												CS129	4	1.00000D+00	0.00000D+00
738	CS129	1.15420D+05	6.00560D-06	0.0000	1.1340	0.2689	0.0000	0.2505	0.0183	0	0	BA129	4	1.00000D+00	0.00000D+00
		2.16000D+02	1.12390D-08	0.0000	0.0240	0.0024	0.0000	0.0006	0.0023			BA129M	4	1.00000D+00	0.00000D+00
739	BA129M	7.66800D+03	9.03950D-05	0.2771	0.0000	0.0000	0.0000	0.0000	0.0000	2	0				
		2.16000D+02	2.54630D-06	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000						
740	BA129	7.92000D+03	8.75190D-05	0.0000	2.4470	0.0000	0.0000	0.0000	0.0000	2	0				
		1.80000D+02	1.98910D-06	0.0000	0.0150	0.0000	0.0000	0.0000	0.0000						

NO. NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
741 PD130	1.07600D-01	6.44190D+00	10.6000	0.0000	6.1040	3.8930	2.2110	0.0000	3	0				
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
742 AG130	1.09800D-01	6.31280D+00	14.2400	0.0000	9.3220	4.3000	5.0220	0.0000	3	0	PD130	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
743 CD130	1.44700D+00	4.79020D-01	6.2840	0.0000	3.4830	2.2580	1.2250	0.0000	3	0	AG130	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
744 IN130	5.76000D-01	1.20340D+00	9.4000	0.0000	5.7560	3.0630	2.6930	0.0000	2	0	CD130	1	1.00000D+00	0.00000D+00
	1.00000D-02	2.08920D-02	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000						
745 SN130M	1.02000D+02	6.79560D-03	1.8000	0.0000	2.3625	1.4261	0.8883	0.0481	0	0	IN131	6	1.05000D-01	3.00000D-02
	6.00000D+00	3.99740D-04	0.3000	0.0000	0.2253	0.2202	0.0471	0.0061						
746 SN130	2.22000D+02	3.12230D-03	2.0000	0.0000	1.3910	0.3512	0.9800	0.0598	0	0	IN130	1	9.75000D-01	1.20000D-02
	1.20000D+01	1.68770D-04	0.1000	0.0000	0.0756	0.0708	0.0261	0.0051						
747 SB130M	2.40000D+03	2.88810D-04	0.0800	0.0000	3.9933	0.6985	3.2691	0.0257	0	0	SN130M	1	1.00000D+00	0.00000D+00
	6.00000D+01	7.22030D-06	0.0800	0.0000	0.1902	0.0707	0.1765	0.0048						
748 SB130	3.78000D+02	1.83370D-03	4.9700	0.0000	3.6891	0.9684	2.7057	0.0149	0	0	SN130	1	1.00000D+00	0.00000D+00
	1.20000D+01	5.82130D-05	0.0800	0.0000	0.1741	0.0868	0.1509	0.0029						
749 TE130	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	SB130	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			SB130M	1	1.00000D+00	0.00000D+00
750 I 130M	5.40000D+02	1.28360D-03	0.0482	0.0000	0.3092	0.1595	0.1095	0.0402	0	0	I 129	3	6.70000D-01	9.00000D-02
	6.00000D+00	1.42620D-05	0.0003	0.0000	0.0298	0.0298	0.0002	0.0015						
751 I 130	4.44960D+04	1.55780D-05	2.9840	0.4510	2.4247	0.2666	2.1381	0.0000	0	0	I 130M	2	8.33000D-01	3.00000D-02
	3.60000D+01	1.26030D-08	0.0100	0.0110	0.0092	0.0065	0.0066	0.0000			I 129	3	3.30000D-01	5.00000D-02
752 XE130	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	I 130	1	1.00000D+00	0.00000D+00
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			I 130M	1	1.67000D-01	3.00000D-02
753 CD131	2.29900D-01	3.01500D+00	10.9000	0.0000	6.7850	3.5180	3.2670	0.0000	3	0				
	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
754 IN131	2.70000D-01	2.56720D+00	8.0000	0.0000	4.7240	2.7070	2.0170	0.0000	2	0	CD131	1	1.00000D+00	0.00000D+00
	1.00000D-02	9.50820D-02	1.6000	0.0000	0.0000	0.0000	0.0000	0.0000						
755 SN131M	6.10000D+01	1.13630D-02	0.4300	0.0000	3.4890	1.0980	2.3910	0.0000	2	0	IN131	1	6.50000D-02	3.00000D-02
	3.00000D+00	5.58840D-04	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000			IN132	6	1.35000D-01	6.50000D-02
756 SN131	3.90000D+01	1.77730D-02	4.6200	0.0000	2.4361	1.6379	0.7982	0.0000	0	0	IN131	1	8.30000D-01	8.00000D-02
	4.00000D+00	1.82290D-03	0.3000	0.0000	0.2177	0.1426	0.1645	0.0000						
757 SB131	1.38000D+03	5.02280D-04	3.1800	0.0000	2.4430	0.5796	1.8634	0.0000	0	0	SN131	1	1.00000D+00	0.00000D+00
	1.20000D+02	4.36770D-05	0.0900	0.0000	0.2253	0.0714	0.2137	0.0000			SN131M	1	1.00000D+00	0.00000D+00
758 TE131M	1.08000D+05	6.41800D-06	0.1822	0.0000	1.6196	0.1632	1.4028	0.0536	0	0	SB131	1	1.16000D-01	5.00000D-02
	7.20000D+03	4.27870D-07	0.0000	0.0000	0.0330	0.0319	0.0062	0.0058			TE130	3	1.30000D-01	1.00000D-01
759 TE131	1.50000D+03	4.62100D-04	2.2490	0.0000	1.1350	0.6986	0.4119	0.0244	0	0	SB131	1	8.84000D-01	5.00000D-02
	6.00000D+00	1.84840D-06	0.0060	0.0000	0.0314	0.0059	0.0306	0.0037			TE131M	2	2.22000D-01	2.00000D-02
											TE130	3	8.70000D-01	5.80000D-01
760 I 131	6.94660D+05	9.97830D-07	0.9708	0.0000	0.5672	0.1815	0.3770	0.0086	0	0	TE131	1	1.00000D+00	0.00000D+00
	8.64000D+02	1.24110D-09	0.0006	0.0000	0.0037	0.0019	0.0030	0.0010			TE131M	1	7.78000D-01	2.00000D-02

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
761	XE131M	1.02820D+06	6.74160D-07	0.1639	0.0000	0.1639	0.0000	0.0031	0.1608	0	0	I 131	1	1.10000D-02	1.00000D-03
		8.64000D+03	5.66520D-09	0.0000	0.0000	0.0002	0.0000	0.0002	0.0002						
762	XE131	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	I 131	1	9.89000D-01	1.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			XE131M	2	1.00000D+00	0.00000D+00
												CS131	4	1.00000D+00	0.00000D+00
763	CS131	8.37220D+05	8.27920D-07	0.0000	0.3550	0.0000	0.0000	0.0000	0.0000	0	0	BA131	4	1.00000D+00	0.00000D+00
		8.64000D+02	8.54410D-10	0.0000	0.0060	0.0000	0.0000	0.0000	0.0000						
764	BA131M	8.76000D+02	7.91260D-04	0.1875	0.0000	0.1874	0.0000	0.0563	0.1311	0	0				
		1.20000D+01	1.08390D-05	0.0002	0.0000	0.0031	0.0000	0.0022	0.0022						
765	BA131	1.01950D+06	6.79880D-07	0.0000	1.3410	0.4787	0.0000	0.4477	0.0310	0	0	BA131M	2	1.00000D+00	0.00000D+00
		1.72800D+04	1.15230D-08	0.0000	0.0210	0.0259	0.0000	0.0258	0.0026						
766	CD132	2.03200D-01	3.41120D+00	9.3050	0.0000	5.3020	3.4050	1.8970	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
767	IN132	1.30000D-01	5.33190D+00	9.8000	0.0000	6.0560	3.1580	2.8980	0.0000	2	0	CD132	1	1.00000D+00	0.00000D+00
		4.00000D-02	1.64060D+00	1.9600	0.0000	0.0000	0.0000	0.0000	0.0000						
768	SN132	4.00000D+01	1.73290D-02	3.2200	0.0000	2.0541	0.7364	1.2775	0.0402	0	0	IN132	1	8.65000D-01	6.50000D-02
		1.00000D+00	4.33220D-04	0.1000	0.0000	0.0838	0.0451	0.0705	0.0043						
769	SB132M	2.52000D+02	2.75060D-03	0.0500	0.0000	3.8809	1.2454	2.5726	0.0629	0	0	SN133	6	8.00000D-04	4.00000D-04
		6.00000D+00	6.54900D-05	0.0500	0.0000	0.2180	0.1167	0.1840	0.0064						
770	SB132	1.68000D+02	4.12590D-03	5.6000	0.0000	3.9250	1.1970	2.7280	0.0000	2	0	SN132	1	1.00000D+00	0.00000D+00
		6.00000D+00	1.47350D-04	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000						
771	TE132	2.76840D+05	2.50380D-06	0.4930	0.0000	0.3200	0.0594	0.2051	0.0555	0	0	SB132	1	1.00000D+00	0.00000D+00
		1.08000D+03	9.76770D-09	0.0040	0.0000	0.0123	0.0012	0.0114	0.0044			SB132M	1	1.00000D+00	0.00000D+00
772	I 132M	5.01600D+03	1.38190D-04	0.1200	0.0000	0.4766	0.0637	0.3125	0.1004	1	0				
		1.02000D+02	2.81000D-06	0.0100	0.0000	0.0220	0.0069	0.0188	0.0090						
773	I 132	8.20800D+03	8.44480D-05	3.5800	0.0000	2.7703	0.4936	2.2768	0.0000	0	0	TE132	1	1.00000D+00	0.00000D+00
		7.20000D+01	7.40770D-07	0.0200	0.0000	0.0519	0.0330	0.0400	0.0000			I 132M	2	8.68000D-01	2.00000D-02
774	XE132	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	I 132	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			I 132M	1	1.32000D-01	2.00000D-02
												CS132	4	9.79000D-01	5.00000D-03
												XE131	3	1.00000D+00	0.00000D+00
775	CS132	5.59440D+05	1.23900D-06	1.2790	2.1110	0.7126	0.0077	0.7048	0.0000	0	0				
		8.64000D+02	1.91350D-09	0.0240	0.0230	0.0020	0.0007	0.0019	0.0000						
776	BA132	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	CS132	1	2.10000D-02	5.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
777	SN133	1.47000D+00	4.71530D-01	7.2400	0.0000	4.2710	2.4100	1.8610	0.0000	2	0				
		3.00000D-02	9.62300D-03	1.4500	0.0000	0.0000	0.0000	0.0000	0.0000						
778	SB133	1.40400D+02	4.93700D-03	3.9500	0.0000	2.7025	0.7483	1.9542	0.0000	0	0	SN133	1	9.99200D-01	4.00000D-04
		3.00000D+00	1.05490D-04	0.2000	0.0000	0.1509	0.1049	0.1085	0.0000			SN134	6	1.70000D-01	7.00000D-02
779	TE133M	3.32400D+03	2.08530D-04	0.3541	0.0000	2.9736	0.5975	2.3316	0.0445	0	0	SB133	1	2.60000D-01	5.00000D-02
		2.40000D+01	1.50560D-06	0.0000	0.0000	0.1519	0.0715	0.1340	0.0053			SB134M	6	8.60000D-04	1.20000D-04
780	TE133	7.47000D+02	9.27910D-04	2.9700	0.0000	1.7569	0.8052	0.9517	0.0000	0	0	SB133	1	7.40000D-01	5.00000D-02
		1.68000D+01	2.08690D-05	0.0600	0.0000	0.0866	0.0694	0.0517	0.0000			TE133M	2	1.30000D-01	3.00000D-02

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
781	I 133M	9.00000D+00	7.70160D-02	1.6542	0.0000	1.6313	0.0000	1.5605	0.0708	0	0	TE133M	1	8.00000D-02	2.00000D-02
		1.00000D+00	8.55740D-03	0.0005	0.0000	0.0334	0.0000	0.0332	0.0037						
782	I 133	7.48800D+04	9.25680D-06	1.7600	0.0000	1.0177	0.4064	0.6113	0.0000	0	0	TE133	1	1.00000D+00	0.00000D+00
		3.60000D+02	4.45040D-08	0.0300	0.0000	0.0343	0.0147	0.0310	0.0000			TE133M	1	7.90000D-01	4.00000D-02
												I 133M	2	1.00000D+00	0.00000D+00
783	XE133M	1.89220D+05	3.66330D-06	0.2332	0.0000	0.2332	0.0000	0.0233	0.2099	0	0	I 133	1	2.88000D-02	2.00000D-04
		2.59200D+03	5.01820D-08	0.0000	0.0000	0.0020	0.0000	0.0014	0.0014						
784	XE133	4.57060D+05	1.51650D-06	0.4273	0.0000	0.1817	0.1001	0.0301	0.0514	0	1	I 133	1	9.71200D-01	2.00000D-04
		8.64000D+02	2.86680D-09	0.0030	0.0000	0.0150	0.0149	0.0007	0.0008			XE133M	2	1.00000D+00	0.00000D+00
785	CS133	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	XE133	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			BA133	4	1.00000D+00	0.00000D+00
												BA133M	4	1.20000D-04	5.00000D-05
786	BA133M	1.40040D+05	4.94960D-06	0.2884	0.0000	0.2880	0.0000	0.0497	0.2383	0	0	LA133	4	3.00000D-04	1.00000D-04
		3.60000D+02	1.27240D-08	0.0001	0.0000	0.0020	0.0000	0.0014	0.0014						
787	BA133	3.31350D+08	2.09190D-09	0.0000	0.5204	0.4082	0.0000	0.3453	0.0629	0	0	BA133M	2	9.99880D-01	5.00000D-05
		3.15570D+06	1.99230D-11	0.0000	0.0030	0.0376	0.0000	0.0373	0.0047			LA133	4	9.99700D-01	1.00000D-04
788	LA133	1.40830D+04	4.92180D-05	0.0000	2.0000	0.1573	0.0266	0.1188	0.0120	1	0				
		2.88000D+01	1.00650D-07	0.0000	0.4000	0.0105	0.0040	0.0097	0.0003						
789	IN134	1.61700D-01	4.28660D+00	13.3100	0.0000	8.6910	3.9920	4.6990	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
790	SN134	1.04000D+00	6.66490D-01	6.0700	0.0000	3.5430	2.2950	1.2480	0.0000	2	0	IN134	1	1.00000D+00	0.00000D+00
		2.00000D-02	1.28170D-02	1.2200	0.0000	0.0000	0.0000	0.0000	0.0000						
791	SB134M	1.04000D+01	6.66490D-02	0.5000	0.0000	5.5560	2.2840	3.2720	0.0000	2	0				
		1.00000D-01	6.40850D-04	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000						
792	SB134	8.50000D-01	8.15470D-01	8.4000	0.0000	5.0370	2.7810	2.2560	0.0000	2	0	SN134	1	8.30000D-01	7.00000D-02
		1.00000D-01	9.59370D-02	0.3000	0.0000	0.0000	0.0000	0.0000	0.0000						
793	TE134	2.50800D+03	2.76370D-04	1.5600	0.0000	1.1416	0.2052	0.8935	0.0429	0	0	SB134M	1	9.99140D-01	1.20000D-04
		4.80000D+01	5.28950D-06	0.0900	0.0000	0.0614	0.0389	0.0472	0.0054			SB134	1	1.00000D+00	0.00000D+00
												SB135	6	1.39000D-01	2.40000D-02
794	I 134M	2.28000D+02	3.04010D-03	0.3163	0.0000	0.3335	0.0232	0.2205	0.0898	0	0				
		6.00000D+00	8.00030D-05	0.0003	0.0000	0.0182	0.0051	0.0154	0.0083						
795	I 134	3.15600D+03	2.19630D-04	4.1500	0.0000	3.1877	0.6109	2.5768	0.0000	0	0	TE134	1	1.00000D+00	0.00000D+00
		3.00000D+01	2.08770D-06	0.0600	0.0000	0.1375	0.0442	0.1302	0.0000			I 134M	2	9.77000D-01	5.00000D-03
796	XE134M	2.90000D-01	2.39020D+00	1.9658	0.0000	1.9658	0.0000	1.8920	0.0738	0	0	I 134M	1	2.30000D-02	5.00000D-03
		2.00000D-02	1.64840D-01	0.0007	0.0000	0.0622	0.0000	0.0618	0.0070						
797	XE134	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	I 134	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			XE134M	2	1.00000D+00	0.00000D+00
												CS134	4	3.00000D-06	1.00000D-06
												XE133	3	1.00000D+00	0.00000D+00
798	CS134M	1.04400D+04	6.63930D-05	0.1387	0.0000	0.1388	0.0000	0.0159	0.1228	0	0	CS133	3	8.00000D-02	2.00000D-02
		3.60000D+01	2.28940D-07	0.0000	0.0000	0.0103	0.0000	0.0006	0.0103						
799	CS134	6.50710D+07	1.06520D-08	2.0584	1.2150	1.7080	0.1533	1.5547	0.0000	0	1	CS134M	2	1.00000D+00	0.00000D+00
		1.57780D+05	2.58300D-11	0.0004	0.0110	0.0297	0.0294	0.0038	0.0000			CS133	3	9.20000D-01	9.00000D-02
800	BA134	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	CS134	2	1.00000D+00	1.00000D-06
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			CS134	1	1.00000D+00	1.00000D-06

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	W-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
801	SN135	1.19600D+00	5.79560D-01	8.1620	0.0000	5.0370	2.5550	2.4820	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
802	SB135	1.71000D+00	4.05350D-01	7.5200	0.0000	4.2700	2.4800	1.7900	0.0000	2	0	SN135	1	1.00000D+00	0.00000D+00
		2.00000D-02	4.74090D-03	1.5100	0.0000	0.0000	0.0000	0.0000	0.0000						
803	TE135	1.92000D+01	3.61010D-02	6.2000	0.0000	4.1520	1.5320	2.6200	0.0000	2	0	SB135	1	8.61000D-01	2.40000D-02
		2.00000D-01	3.76060D-04	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000			SB136	6	2.30000D-01	8.00000D-02
804	I 135	2.37960D+04	2.91290D-05	2.7110	0.0000	2.0117	0.3666	1.6451	0.0000	0	0	TE135	1	1.00000D+00	0.00000D+00
		3.60000D+01	4.40680D-08	0.0300	0.0000	0.0671	0.0342	0.0578	0.0000			TE136	6	9.00000D-03	4.00000D-03
805	XE135M	9.42000D+02	7.35830D-04	0.5265	0.0000	0.5292	0.0000	0.4397	0.0895	0	0	I 135	1	1.50000D-01	1.00000D-02
		6.00000D+00	4.68680D-06	0.0003	0.0000	0.0139	0.0000	0.0090	0.0105						
806	XE135	3.26880D+04	2.12050D-05	1.1590	0.0000	0.5641	0.3026	0.2466	0.0150	0	1	I 135	1	8.50000D-01	1.00000D-02
		3.60000D+01	2.33540D-08	0.0090	0.0000	0.0598	0.0592	0.0082	0.0025			XE135M	2	9.99960D-01	1.00000D-05
807	CS135M	3.18000D+03	2.17970D-04	1.6210	0.0000	1.6210	0.0000	1.5842	0.0368	0	0				
		1.20000D+02	8.22530D-06	0.0040	0.0000	0.0050	0.0000	0.0041	0.0030						
808	CS135	7.25810D+13	9.55000D-15	0.2050	0.0000	0.0563	0.0563	0.0000	0.0000	0	1	XE135	1	1.00000D+00	0.00000D+00
		9.46710D+12	1.24560D-15	0.0050	0.0000	0.0015	0.0015	0.0000	0.0000			XE135M	1	4.00000D-05	1.00000D-05
												CS135M	2	1.00000D+00	0.00000D+00
												CS134	3	1.00000D+00	0.00000D+00
809	BA135M	1.03320D+05	6.70870D-06	0.2682	0.0000	0.2682	0.0000	0.0429	0.2253	0	0	LA135	4	1.00000D-08	1.00000D-08
		7.20000D+02	4.67510D-08	0.0000	0.0000	0.0038	0.0000	0.0027	0.0027						
810	BA135	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	CS135	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			BA135M	2	1.00000D+00	0.00000D+00
												LA135	4	1.00000D+00	0.00000D+00
811	LA135	7.02000D+04	9.87390D-06	0.0000	1.2000	0.0105	0.0000	0.0105	0.0000	0	0	CE135	4	1.00000D+00	0.00000D+00
		7.20000D+02	1.01270D-07	0.0000	0.0100	0.0011	0.0000	0.0011	0.0000						
812	CE135M	2.00000D+01	3.46570D-02	0.4454	0.0000	0.4505	0.0000	0.2594	0.1911	0	0				
		1.00000D+00	1.75290D-03	0.0005	0.0000	0.0172	0.0000	0.0161	0.0058						
813	CE135	6.39360D+04	1.08410D-05	0.0000	2.1200	0.8261	0.0018	0.8001	0.0242	0	0	CE135M	2	1.00000D+00	0.00000D+00
		1.11600D+03	1.89230D-07	0.0000	0.1000	0.0198	0.0002	0.0197	0.0018						
814	CD136	7.80700D-02	8.87850D+00	11.1700	0.0000	6.4490	4.0980	2.3510	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
815	IN136	8.98000D-02	7.71880D+00	14.5700	0.0000	9.5400	4.3830	5.1570	0.0000	3	0	CD136	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
816	SN136	6.87400D-01	1.00840D+00	7.2330	0.0000	4.0410	2.6140	1.4270	0.0000	3	0	IN136	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
817	SB136	8.20000D-01	8.45300D-01	9.5400	0.0000	5.5580	2.9530	2.6050	0.0000	2	0	SN136	1	1.00000D+00	0.00000D+00
		2.00000D-02	2.06170D-02	1.9100	0.0000	0.0000	0.0000	0.0000	0.0000						
818	TE136	1.75000D+01	3.96080D-02	4.6000	0.0000	3.3365	1.0362	2.2872	0.0131	1	0	SB136	1	7.70000D-01	8.00000D-02
		2.00000D-01	4.52670D-04	0.9200	0.0000	1.0129	0.4275	0.9182	0.0044						
819	I 136M	4.48000D+01	1.54720D-02	0.0100	0.0000	4.7020	1.7600	2.9420	0.0000	2	0	TE137	6	2.20000D-02	5.00000D-03
		1.00000D+00	3.45360D-04	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000						
820	I 136	8.51000D+01	8.14510D-03	7.0000	0.0000	4.7020	1.7600	2.9420	0.0000	2	0	TE136	1	9.91000D-01	4.00000D-03
		2.00000D+00	1.91420D-04	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
821	XE136	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	I 136M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			I 136	1	1.00000D+00	0.00000D+00
												I 137	6	6.70000D-02	5.00000D-03
												XE135	3	1.00000D+00	0.00000D+00
822	CS136	1.12150D+06	6.18070D-07	2.5481	0.0670	1.9632	0.0998	1.8522	0.0112	0	0	CS135	3	1.00000D+00	0.00000D+00
		1.72800D+03	9.52340D-10	0.0020	0.0110	0.0149	0.0060	0.0136	0.0011						
823	BA136M	3.20000D-01	2.16610D+00	2.0305	0.0000	2.0305	0.0000	1.9120	0.1185	0	0	CS136	1	1.60000D-01	1.00000D-02
		2.00000D-02	1.35380D-01	0.0005	0.0000	0.0145	0.0000	0.0139	0.0041						
824	BA136	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	CS136	1	8.40000D-01	1.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			BA136M	2	1.00000D+00	0.00000D+00
825	SN137	5.25000D-01	1.32030D+00	9.3630	0.0000	5.8010	2.9700	2.8310	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
826	SB137	1.21300D+00	5.71430D-01	8.1140	0.0000	4.9620	2.5730	2.3890	0.0000	3	0	SN137	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
827	TE137	2.80000D+00	2.47550D-01	6.4800	0.0000	3.7820	2.1730	1.6090	0.0000	2	0	SB137	1	1.00000D+00	0.00000D+00
		7.00000D-01	6.18880D-02	1.3000	0.0000	0.0000	0.0000	0.0000	0.0000						
828	I 137	2.45000D+01	2.82920D-02	5.5000	0.0000	3.7320	1.2720	2.4600	0.0000	2	0	TE137	1	9.78000D-01	5.00000D-03
		1.00000D-01	1.15480D-04	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000			TE138	6	5.60000D-02	1.60000D-02
829	XE137	2.29800D+02	3.01630D-03	4.3440	0.0000	1.9745	1.7868	0.1876	0.0000	0	0	I 137	1	9.33000D-01	5.00000D-03
		1.20000D+00	1.57510D-05	0.0230	0.0000	0.0778	0.0771	0.0104	0.0000			I 138	6	2.60000D-02	3.00000D-03
830	CS137	9.52070D+08	7.28040D-10	1.1732	0.0000	0.1705	0.1705	0.0000	0.0000	0	1	XE137	1	1.00000D+00	0.00000D+00
		9.46710D+05	7.23940D-13	0.0009	0.0000	0.0018	0.0018	0.0000	0.0000						
831	BA137M	1.53120D+02	4.52680D-03	0.6616	0.0000	0.6616	0.0000	0.5908	0.0708	0	0	CS137	1	9.47000D-01	3.00000D-03
		1.20000D-01	3.54770D-06	0.0000	0.0000	0.0332	0.0000	0.0331	0.0033						
832	BA137	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	CS137	1	5.30000D-02	3.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			BA137M	2	1.00000D+00	0.00000D+00
												LA137	4	1.00000D+00	0.00000D+00
833	LA137	1.89340D+12	3.66080D-13	0.0000	0.6000	0.0000	0.0000	0.0000	0.0000	0	0	CE137M	4	7.80000D-03	1.00000D-03
		6.31140D+11	1.22030D-13	0.0000	0.1200	0.0000	0.0000	0.0000	0.0000			CE137	4	1.00000D+00	0.00000D+00
834	CE137M	1.23840D+05	5.59710D-06	0.2543	0.0000	0.2594	0.0000	0.0348	0.2245	0	0				
		1.08000D+03	4.88120D-08	0.0000	0.0000	0.0032	0.0000	0.0019	0.0025						
835	CE137	3.24000D+04	2.13930D-05	0.0000	1.2200	0.0240	0.0000	0.0136	0.0104	0	0	CE137M	2	9.92200D-01	1.00000D-03
		1.08000D+03	7.13110D-07	0.0000	0.0200	0.0008	0.0000	0.0006	0.0005						
836	SN138	3.44600D-01	2.01140D+00	8.2790	0.0000	4.6720	3.0110	1.6610	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
837	SB138	8.13100D-01	8.52480D-01	10.2400	0.0000	6.6080	3.0300	3.5780	0.0000	3	0	SN138	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
838	TE138	1.40000D+00	4.95100D-01	5.3400	0.0000	3.0140	1.9460	1.0680	0.0000	2	0	SB138	1	1.00000D+00	0.00000D+00
		4.00000D-01	1.41460D-01	1.0700	0.0000	0.0000	0.0000	0.0000	0.0000						
839	I 138	6.40000D+00	1.08300D-01	8.3000	0.0000	4.3160	3.2926	1.0234	0.0000	1	0	TE138	1	9.44000D-01	1.60000D-02
		6.00000D-02	1.01530D-03	1.6600	0.0000	0.8312	0.8252	0.0996	0.0000						
840	XE138	8.47800D+02	8.17580D-04	2.8300	0.0000	1.8755	0.6452	1.2166	0.0138	0	0	I 138	1	9.74000D-01	3.00000D-03
		3.00000D+00	2.89310D-06	0.0800	0.0000	0.0807	0.0452	0.0668	0.0019			I 139	6	1.02000D-01	9.00000D-03

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
841	CS138M	1.74000D+02	3.98360D-03	0.0799	0.0000	1.0140	0.2800	0.7340	0.0000	2	0				
		6.00000D+00	1.37370D-04	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000						
842	CS138	1.93200D+03	3.58770D-04	5.3400	0.0000	3.7690	1.0890	2.6800	0.0000	2	0	XE138	1	1.00000D+00	0.00000D+00
		6.00000D+00	1.11420D-06	0.0400	0.0000	0.0000	0.0000	0.0000	0.0000			CS138M	2	7.50000D-01	5.00000D-02
												CS137	3	1.00000D+00	0.00000D+00
843	BA138	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	CS138	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			CS138M	1	2.50000D-01	5.00000D-02
												LA138	4	6.70000D-01	2.00000D-02
844	LA138	4.26020D+18	1.62700D-19	1.0410	1.7490	1.2455	0.0233	1.2222	0.0000	0	0				
		5.04910D+17	1.92830D-20	0.0020	0.0050	0.0819	0.0014	0.0819	0.0000						
845	CE138	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	LA138	1	3.30000D-01	2.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
846	SB139	6.12600D-01	1.13150D+00	9.0960	0.0000	5.5920	2.9080	2.6840	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
847	TE139	1.66100D+00	4.17310D-01	7.6780	0.0000	4.7270	2.3760	2.3510	0.0000	3	0	SB139	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
848	I 139	2.38000D+00	2.91240D-01	6.0000	0.0000	3.3830	2.0590	1.3240	0.0000	2	0	TE139	1	1.00000D+00	0.00000D+00
		7.00000D-02	8.56580D-03	0.4000	0.0000	0.0000	0.0000	0.0000	0.0000						
849	XE139	3.95000D+01	1.75480D-02	5.0200	0.0000	3.2410	1.0020	2.2390	0.0000	2	0	I 139	1	8.98000D-01	9.00000D-03
		2.00000D-01	8.88510D-05	0.0600	0.0000	0.0000	0.0000	0.0000	0.0000			I 140	6	2.20000D-01	6.00000D-02
850	CS139	5.85600D+02	1.18360D-03	4.2900	0.0000	2.0282	1.6987	0.3295	0.0000	0	0	XE139	1	1.00000D+00	0.00000D+00
		4.80000D+00	9.70210D-06	0.0700	0.0000	0.1384	0.1375	0.0160	0.0000						
851	BA139	4.96260D+03	1.39670D-04	2.3060	0.0000	0.9452	0.8923	0.0438	0.0091	0	0	CS139	1	1.00000D+00	0.00000D+00
		1.08000D+01	3.03970D-07	0.0050	0.0000	0.1409	0.1408	0.0030	0.0008			BA138	3	1.00000D+00	0.00000D+00
852	LA139	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	BA139	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			CE139	4	1.00000D+00	0.00000D+00
853	CE139M	5.62000D+01	1.23340D-02	0.7544	0.0000	0.7544	0.0000	0.6978	0.0566	0	0	PR139	4	1.00000D-04	2.00000D-05
		7.00000D-01	1.53620D-04	0.0006	0.0000	0.0032	0.0000	0.0023	0.0023						
854	CE139	1.18800D+07	5.83460D-08	0.0000	0.2650	0.1658	0.0000	0.1327	0.0332	0	0	CE139M	2	1.00000D+00	0.00000D+00
		2.59200D+04	1.27300D-10	0.0000	0.0050	0.0005	0.0000	0.0003	0.0003			PR139	4	9.99900D-01	2.00000D-05
855	PR139	1.58760D+04	4.36600D-05	0.0000	2.1120	0.1090	0.0298	0.0791	0.0000	0	0				
		1.44000D+02	3.96010D-07	0.0000	0.0100	0.0114	0.0050	0.0103	0.0000						
856	TE140	1.10800D+00	6.25580D-01	6.5220	0.0000	3.6110	2.3360	1.2750	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
857	I 140	6.00000D-01	1.15530D+00	8.9300	0.0000	5.0900	2.7620	2.3280	0.0000	2	0	TE140	1	1.00000D+00	0.00000D+00
		1.00000D-02	1.92540D-02	1.7900	0.0000	0.0000	0.0000	0.0000	0.0000						
858	XE140	1.36000D+01	5.09670D-02	4.0600	0.0000	2.3802	1.2037	1.1494	0.0271	0	0	I 140	1	7.80000D-01	6.00000D-02
		1.00000D-01	3.74750D-04	0.0600	0.0000	0.1220	0.0866	0.0858	0.0014			I 141	6	3.90000D-01	1.30000D-01
859	CS140	6.37000D+01	1.08810D-02	6.1700	0.0000	4.2200	1.4290	2.7910	0.0000	2	0	XE140	1	1.00000D+00	0.00000D+00
		3.00000D-01	5.12470D-05	0.0300	0.0000	0.0000	0.0000	0.0000	0.0000			XE141	6	4.30000D-04	3.00000D-05
860	BA140	1.10120D+06	6.29420D-07	1.0350	0.0000	0.4667	0.2850	0.1465	0.0352	0	1	CS140	1	1.00000D+00	0.00000D+00
		8.64000D+02	4.93820D-10	0.0100	0.0000	0.0300	0.0262	0.0142	0.0037			CS141	6	5.30000D-04	4.00000D-05

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
861	LA140	1.44980D+05	4.78100D-06	3.7605	0.0000	2.8606	0.5449	2.3122	0.0036	0	0	BA140	1	1.00000D+00	0.00000D+00
		2.52000D+01	8.31030D-10	0.0020	0.0000	0.1989	0.0392	0.1950	0.0004			LA139	3	1.00000D+00	0.00000D+00
862	CE140	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	LA140	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			PR140	4	1.00000D+00	0.00000D+00
863	PR140	2.03400D+02	3.40780D-03	0.0000	3.3880	1.0234	0.5178	0.5056	0.0000	0	0	ND140	4	1.00000D+00	0.00000D+00
		6.00000D-01	1.00530D-05	0.0000	0.0060	0.0739	0.0534	0.0511	0.0000						
864	ND140	2.91170D+05	2.38060D-06	0.0000	0.4700	0.0000	0.0000	0.0000	0.0000	0	0				
		1.72800D+03	1.41280D-08	0.0000	0.0400	0.0000	0.0000	0.0000	0.0000						
865	I 141	4.70000D-01	1.47480D+00	7.4200	0.0000	4.2040	2.4250	1.7790	0.0000	2	0				
		3.00000D-02	9.41350D-02	1.4900	0.0000	0.0000	0.0000	0.0000	0.0000						
866	XE141	1.73000D+00	4.00660D-01	6.1500	0.0000	3.5370	2.0480	1.4890	0.0000	2	0	I 141	1	6.10000D-01	1.30000D-01
		1.00000D-02	2.31600D-03	0.0900	0.0000	0.0000	0.0000	0.0000	0.0000						
867	CS141	2.49000D+01	2.78370D-02	5.1900	0.0000	3.4110	1.2760	2.1350	0.0000	2	0	XE141	1	9.99570D-01	3.00000D-05
		2.00000D-01	2.23590D-04	0.0400	0.0000	0.0000	0.0000	0.0000	0.0000			XE142	6	4.10000D-03	3.00000D-04
868	BA141	1.09620D+03	6.32320D-04	3.0150	0.0000	1.7572	0.9246	0.8168	0.0158	0	0	CS141	1	9.99470D-01	4.00000D-05
		4.20000D+00	2.42270D-06	0.0230	0.0000	0.1001	0.0788	0.0618	0.0019			CS142	6	1.80000D-03	1.00000D-03
												BA140	3	1.00000D+00	0.00000D+00
869	LA141	1.41480D+04	4.89930D-05	2.4300	0.0000	0.9938	0.9513	0.0425	0.0000	0	0	BA141	1	1.00000D+00	0.00000D+00
		2.16000D+02	7.47980D-07	0.0300	0.0000	0.1887	0.1887	0.0038	0.0000						
870	CE141	2.79760D+06	2.47760D-07	0.5800	0.0000	0.2463	0.1445	0.0713	0.0305	0	1	LA141	1	1.00000D+00	0.00000D+00
		1.72800D+03	1.53030D-10	0.0015	0.0000	0.0041	0.0025	0.0015	0.0029			CE140	3	1.00000D+00	0.00000D+00
871	PR141	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	CE141	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			ND141M	4	3.60000D-04	8.00000D-05
												ND141	4	1.00000D+00	0.00000D+00
872	ND141M	6.21000D+01	1.11620D-02	0.7565	0.0000	0.7568	0.0000	0.6925	0.0643	0	0	PM141	4	7.00000D-04	1.00000D-04
		1.60000D+00	2.87580D-04	0.0003	0.0000	0.0069	0.0000	0.0008	0.0068						
873	ND141	9.03600D+03	7.67100D-05	0.0000	1.8150	0.0539	0.0092	0.0447	0.0000	0	0	ND141M	2	9.99640D-01	8.00000D-05
		2.88000D+02	2.44490D-06	0.0000	0.0080	0.0058	0.0018	0.0055	0.0000			PM141	4	9.99300D-01	8.00000D-05
874	PM141	1.25400D+03	5.52750D-04	0.0000	3.7300	1.3608	0.6401	0.7207	0.0000	0	0				
		3.00000D+00	1.32240D-06	0.0000	0.0400	0.0808	0.0612	0.0528	0.0000						
875	TE142	7.73300D-01	8.96350D-01	6.9860	0.0000	3.8880	2.5130	1.3750	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
876	I 142	1.56100D+00	4.44040D-01	9.1860	0.0000	5.8950	2.6920	3.2030	0.0000	3	0	TE142	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
877	XE142	1.24000D+00	5.58990D-01	5.0400	0.0000	2.7350	1.7580	0.9770	0.0000	2	0	I 142	1	1.00000D+00	0.00000D+00
		3.00000D-02	1.35240D-02	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000						
878	CS142	1.71000D+00	4.05350D-01	7.2800	0.0000	4.2360	2.4490	1.7870	0.0000	2	0	XE142	1	9.95900D-01	3.00000D-04
		1.00000D-02	2.37050D-03	0.0300	0.0000	0.0000	0.0000	0.0000	0.0000			XE143	6	1.25000D-02	6.50000D-03
879	BA142	6.42000D+02	1.07970D-03	2.2000	0.0000	1.4450	0.4161	1.0076	0.0212	0	0	CS142	1	9.98200D-01	1.00000D-03
		6.00000D+00	1.00900D-05	0.1000	0.0000	0.1185	0.0499	0.1074	0.0037			CS143	6	1.82000D-02	1.20000D-03
880	LA142	5.56200D+03	1.24620D-04	4.5170	0.0000	3.4376	0.9146	2.5229	0.0000	0	0	BA142	1	1.00000D+00	0.00000D+00
		4.20000D+01	9.41050D-07	0.0060	0.0000	0.2318	0.0716	0.2205	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
881	CE142	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	LA142	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			PR142	4	1.64000D-04	8.00000D-06
												CE141	3	1.00000D+00	0.00000D+00
882	PR142M	8.76000D+02	7.91260D-04	0.0037	0.0000	0.0037	0.0000	0.0000	0.0037	0	0	PR141	3	3.40000D-01	5.00000D-02
		3.00000D+01	2.70980D-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
883	PR142	6.88680D+04	1.00650D-05	2.1588	0.7451	0.8766	0.8185	0.0581	0.0000	0	0	PR142M	2	1.00000D+00	0.00000D+00
		1.44000D+02	2.10450D-08	0.0026	0.0035	0.0067	0.0012	0.0066	0.0000			PR141	3	6.60000D-01	8.00000D-02
884	ND142	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	PR142	1	9.99836D-01	8.00000D-06
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
885	XE143	3.00000D-01	2.31050D+00	6.6500	0.0000	3.9520	2.2250	1.7270	0.0000	2	0				
		3.00000D-02	2.31050D-01	1.3300	0.0000	0.0000	0.0000	0.0000	0.0000						
886	CS143	1.78000D+00	3.89410D-01	5.6500	0.0000	3.1520	1.9350	1.2170	0.0000	2	0	XE143	1	9.87500D-01	6.50000D-03
		1.00000D-02	2.18770D-03	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000						
887	BA143	1.45000D+01	4.78030D-02	4.3000	0.0000	2.0349	1.6972	0.3329	0.0048	1	0	CS143	1	9.81800D-01	1.20000D-03
		5.00000D-01	1.64840D-03	0.8600	0.0000	0.5791	0.5780	0.0351	0.0007			CS144	6	3.00000D-02	7.00000D-03
888	LA143	8.52000D+02	8.13550D-04	3.3000	0.0000	1.4025	1.3408	0.0311	0.0306	0	0	BA143	1	1.00000D+00	0.00000D+00
		1.20000D+01	1.14590D-05	0.0800	0.0000	0.1884	0.1880	0.0104	0.0046						
889	CE143	1.18800D+05	5.83460D-06	1.4550	0.0000	0.6966	0.4104	0.2414	0.0447	0	0	LA143	1	1.00000D+00	0.00000D+00
		7.20000D+02	3.53610D-08	0.0036	0.0000	0.0544	0.0539	0.0055	0.0046			CE142	3	1.00000D+00	0.00000D+00
890	PR143	1.17330D+06	5.90760D-07	0.9353	0.0000	0.3156	0.3156	0.0000	0.0000	0	1	CE143	1	1.00000D+00	0.00000D+00
		2.59200D+03	1.30510D-09	0.0019	0.0000	0.0008	0.0008	0.0000	0.0000						
891	ND143	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PR143	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			PM143	4	1.00000D+00	0.00000D+00
892	PM143	2.28960D+07	3.02740D-08	0.0000	1.0410	0.2857	0.0000	0.2857	0.0000	0	0	SM143M	4	2.80000D-03	5.00000D-04
		6.04800D+05	7.99680D-10	0.0000	0.0050	0.0178	0.0000	0.0178	0.0000			SM143	4	1.00000D+00	0.00000D+00
893	SM143M	6.60000D+01	1.05020D-02	0.7544	0.0000	0.7571	0.0011	0.6828	0.0732	0	0				
		2.00000D+00	3.18250D-04	0.0007	0.0000	0.0049	0.0004	0.0031	0.0038						
894	SM143	5.29800D+02	1.30830D-03	0.0000	3.4470	1.0066	0.4942	0.5124	0.0000	0	0	SM143M	2	9.97200D-01	5.00000D-04
		6.00000D-01	1.48170D-06	0.0000	0.0110	0.0750	0.0547	0.0512	0.0000						
895	XE144M	8.80000D+00	7.87670D-02	0.0000	0.0000	2.8150	1.3450	1.4700	0.0000	2	0				
		2.20000D+00	1.96920D-02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
896	XE144	1.15000D+00	6.02740D-01	4.6700	0.0000	2.5292	1.6060	0.9232	0.0000	2	0				
		2.00000D-01	1.04820D-01	0.9400	0.0000	0.0000	0.0000	0.0000	0.0000						
897	CS144	1.00200D+00	6.91760D-01	8.1000	0.0000	4.8420	2.6490	2.1930	0.0000	2	0	XE144M	1	1.00000D+00	0.00000D+00
		5.00000D-03	3.45190D-03	0.3000	0.0000	0.0000	0.0000	0.0000	0.0000			XE144	1	1.00000D+00	0.00000D+00
898	BA144	1.18500D+01	5.84930D-02	2.9000	0.0000	1.6513	0.9463	0.7050	0.0000	2	0	CS144	1	9.70000D-01	7.00000D-03
		5.70000D-01	2.81360D-03	0.5800	0.0000	0.0000	0.0000	0.0000	0.0000			CS145	6	1.43000D-01	1.90000D-02
899	LA144	4.21000D+01	1.64640D-02	5.5000	0.0000	3.4290	1.3380	2.0910	0.0000	2	0	BA144	1	1.00000D+00	0.00000D+00
		7.00000D-01	2.73750D-04	1.1000	0.0000	0.0000	0.0000	0.0000	0.0000						
900	CE144	2.45550D+07	2.82280D-08	0.3182	0.0000	0.1109	0.0823	0.0160	0.0126	0	1	LA144	1	1.00000D+00	0.00000D+00
		8.64000D+04	9.93260D-11	0.0020	0.0000	0.0178	0.0176	0.0017	0.0022						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
901	PR144M	4.32000D+02	1.60450D-03	0.0590	0.0000	0.0598	0.0002	0.0007	0.0590	0	0	CE144	1	1.43000D-02	1.00000D-03
		1.20000D+01	4.45700D-05	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000						
902	PR144	1.03680D+03	6.68550D-04	2.9960	0.0000	1.2438	1.2137	0.0301	0.0000	0	0	CE144	1	9.85700D-01	1.00000D-03
		3.60000D+00	2.32130D-06	0.0029	0.0000	0.3003	0.3003	0.0022	0.0000			PR144M	2	9.99600D-01	1.00000D-04
												PR143	3	1.00000D+00	0.00000D+00
903	ND144	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PR144	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			PR144M	1	4.00000D-04	1.00000D-04
												PM144	4	1.00000D+00	0.00000D+00
												ND143	3	1.00000D+00	0.00000D+00
904	PM144	3.13630D+07	2.21010D-08	0.5480	2.3300	1.5323	0.0000	1.5323	0.0000	0	0				
		1.20960D+06	8.52370D-10	0.0050	0.0040	0.1395	0.0000	0.1395	0.0000						
905	SM144	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
906	XE145	9.00000D-01	7.70160D-01	6.3000	0.0000	4.1180	2.2910	1.8270	0.0000	2	0				
		3.00000D-01	2.56720D-01	1.2600	0.0000	0.0000	0.0000	0.0000	0.0000						
907	CS145	5.85000D-01	1.18490D+00	6.1000	0.0000	3.4570	2.0700	1.3870	0.0000	2	0	XE145	1	1.00000D+00	0.00000D+00
		8.00000D-02	1.62030D-01	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000						
908	BA145	3.79000D+00	1.82890D-01	5.1000	0.0000	2.9160	1.7570	1.1590	0.0000	2	0	CS145	1	8.57000D-01	1.90000D-02
		1.90000D-01	9.16850D-03	1.0200	0.0000	0.0000	0.0000	0.0000	0.0000			CS146	6	1.34000D-01	7.00000D-03
909	LA145	2.53000D+01	2.73970D-02	4.2000	0.0000	2.2541	1.4520	0.8021	0.0000	2	0	BA145	1	1.00000D+00	0.00000D+00
		2.60000D+00	2.81550D-03	0.8400	0.0000	0.0000	0.0000	0.0000	0.0000						
910	CE145	1.80000D+02	3.85080D-03	2.5000	0.0000	1.4774	0.6150	0.8246	0.0378	0	0	LA145	1	1.00000D+00	0.00000D+00
		6.00000D+00	1.28360D-04	0.0900	0.0000	0.1296	0.1016	0.0802	0.0064			CE144	3	1.00000D+00	0.00000D+00
911	PR145	2.15280D+04	3.21980D-05	1.8050	0.0000	0.6929	0.6779	0.0144	0.0006	0	0	CE145	1	1.00000D+00	0.00000D+00
		7.20000D+01	1.07680D-07	0.0100	0.0000	0.0332	0.0332	0.0010	0.0000						
912	ND145	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PR145	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			PM145	4	1.00000D+00	0.00000D+00
												ND144	3	1.00000D+00	0.00000D+00
913	PM145	5.58560D+08	1.24100D-09	0.0000	0.1597	0.0105	0.0000	0.0018	0.0086	0	0	SM145	4	1.00000D+00	0.00000D+00
		1.26230D+07	2.80440D-11	0.0000	0.0035	0.0010	0.0000	0.0002	0.0010						
914	SM145	2.93760D+07	2.35960D-08	0.0000	0.6150	0.0544	0.0000	0.0078	0.0465	0	0				
		2.59200D+05	2.08200D-10	0.0000	0.0040	0.0049	0.0000	0.0002	0.0049						
915	XE146	2.23900D+00	3.09580D-01	5.5920	0.0000	3.0570	1.9710	1.0860	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
916	CS146	3.35000D-01	2.06910D+00	8.5400	0.0000	4.8220	2.6320	2.1900	0.0000	2	0	XE146	1	1.00000D+00	0.00000D+00
		7.00000D-03	4.32350D-02	1.7100	0.0000	0.0000	0.0000	0.0000	0.0000						
917	BA146	2.18000D+00	3.17960D-01	3.9000	0.0000	1.9328	1.1590	0.7738	0.0000	2	0	CS146	1	8.66000D-01	7.00000D-03
		1.10000D-01	1.60440D-02	0.7800	0.0000	0.0000	0.0000	0.0000	0.0000			CS147	6	2.54000D-01	3.20000D-02
918	LA146	8.50000D+00	8.15470D-02	6.3000	0.0000	3.5270	2.1820	1.3450	0.0000	2	0	BA146	1	1.00000D+00	0.00000D+00
		1.00000D+00	9.59370D-03	1.2600	0.0000	0.0000	0.0000	0.0000	0.0000						
919	CE146	8.52000D+02	8.13550D-04	1.0800	0.0000	0.5816	0.2363	0.3058	0.0395	0	0	LA146	1	1.00000D+00	0.00000D+00
		1.20000D+01	1.14590D-05	0.0600	0.0000	0.0550	0.0498	0.0233	0.0029						
920	PR146	1.44420D+03	4.79950D-04	4.0800	0.0000	2.3566	1.2073	1.1493	0.0000	0	0	CE146	1	1.00000D+00	0.00000D+00
		7.80000D+00	2.59220D-06	0.1000	0.0000	0.1931	0.1888	0.0405	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
921	ND146	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PR146	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			PM146	4	6.30000D-01	6.00000D-02
												ND145	3	1.00000D+00	0.00000D+00
922	PM146	1.74510D+08	3.97190D-09	1.5420	1.4820	0.8386	0.0912	0.7475	0.0000	0	0				
		1.57780D+06	3.59130D-11	0.0030	0.0060	0.0882	0.0090	0.0878	0.0000						
923	SM146	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	PM146	1	3.70000D-01	6.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
924	CS147	2.18000D-01	3.17960D+00	7.2000	0.0000	3.8000	2.2190	1.5810	0.0000	2	0				
		9.00000D-03	1.31270D-01	1.4400	0.0000	0.0000	0.0000	0.0000	0.0000						
925	BA147	7.00000D-01	9.90210D-01	5.5200	0.0000	3.1590	1.8580	1.3010	0.0000	2	0	CS147	1	7.46000D-01	3.20000D-02
		6.00000D-02	8.48750D-02	1.1100	0.0000	0.0000	0.0000	0.0000	0.0000						
926	LA147	4.43000D+00	1.56470D-01	4.7500	0.0000	2.5683	1.6320	0.9363	0.0000	2	0	BA147	1	1.00000D+00	0.00000D+00
		5.40000D-01	1.90730D-02	0.1200	0.0000	0.0000	0.0000	0.0000	0.0000						
927	CE147	5.67000D+01	1.22250D-02	3.3100	0.0000	1.5493	1.2222	0.2927	0.0344	0	0	LA147	1	1.00000D+00	0.00000D+00
		2.30000D+00	4.95890D-04	0.0700	0.0000	0.1761	0.1491	0.0933	0.0091						
928	PR147	7.20000D+02	9.62700D-04	2.7000	0.0000	1.5051	0.7396	0.7171	0.0484	0	0	CE147	1	1.00000D+00	0.00000D+00
		1.20000D+01	1.60450D-05	0.2000	0.0000	0.1157	0.1092	0.0382	0.0026						
929	ND147	9.55580D+05	7.25360D-07	0.8958	0.0000	0.4175	0.2295	0.1354	0.0526	0	0	PR147	1	1.00000D+00	0.00000D+00
		2.59200D+03	1.96750D-09	0.0009	0.0000	0.0322	0.0313	0.0054	0.0051			ND146	3	1.00000D+00	0.00000D+00
930	PM147	8.27740D+07	8.37400D-09	0.2247	0.0000	0.0620	0.0620	0.0000	0.0000	0	1	ND147	1	1.00000D+00	0.00000D+00
		3.15570D+04	3.19250D-12	0.0004	0.0000	0.0001	0.0001	0.0000	0.0000						
931	SM147	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PM147	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			EU147	4	1.00000D+00	0.00000D+00
932	EU147	2.09950D+06	3.30150D-07	0.0000	1.7300	0.4040	0.0015	0.3702	0.0323	0	0	GD147	4	1.00000D+00	0.00000D+00
		8.64000D+04	1.35860D-08	0.0000	0.0060	0.0256	0.0002	0.0254	0.0036						
933	GD147	1.38600D+05	5.00110D-06	0.0000	2.3280	1.3729	0.0013	1.3280	0.0437	0	0				
		1.80000D+03	6.49490D-08	0.0000	0.0250	0.0371	0.0002	0.0367	0.0058						
934	XE148	6.68000D-01	1.03760D+00	7.1120	0.0000	3.9550	2.5530	1.4020	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
935	CS148	2.46800D+00	2.80850D-01	8.4770	0.0000	5.4230	2.4540	2.9690	0.0000	3	0	XE148	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
936	BA148	4.70000D-01	1.47480D+00	4.0400	0.0000	2.1783	1.3430	0.8353	0.0000	2	0	CS148	1	1.00000D+00	0.00000D+00
		2.00000D-01	6.27570D-01	0.8100	0.0000	0.0000	0.0000	0.0000	0.0000						
937	LA148	1.29000D+00	5.37320D-01	7.0500	0.0000	3.5360	2.1750	1.3610	0.0000	2	0	BA148	1	1.00000D+00	0.00000D+00
		8.00000D-02	3.35220D-02	1.4100	0.0000	0.0000	0.0000	0.0000	0.0000						
938	CE148	4.80000D+01	1.44410D-02	2.1300	0.0000	1.0613	0.6358	0.3868	0.0387	0	0	LA148	1	1.00000D+00	0.00000D+00
		1.00000D+00	3.00850D-04	0.1000	0.0000	0.0887	0.0758	0.0457	0.0060						
939	PR148	1.38000D+02	5.02280D-03	4.8000	0.0000	2.8178	1.6530	1.1648	0.0000	0	0	CE148	1	1.00000D+00	0.00000D+00
		1.80000D+00	6.55150D-05	0.2000	0.0000	0.2272	0.1997	0.1082	0.0000						
940	ND148	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PR148	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
941	PM148M	3.56830D+06	1.94250D-07	0.1372	0.0000	2.1538	0.1460	1.9930	0.0148	0	0	PM147	3	4.70000D-01	5.00000D-02
		8.64000D+03	4.70340D-10	0.0001	0.0000	0.1272	0.0177	0.1259	0.0008						
942	PM148	4.63970D+05	1.49400D-06	2.4640	0.5360	1.3001	0.7256	0.5745	0.0000	0	1	PM148M	2	4.60000D-02	5.00000D-03
		8.64000D+02	2.78200D-09	0.0090	0.0090	0.1479	0.1367	0.0564	0.0000			PM147	3	5.30000D-01	4.00000D-02
943	SM148	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PM148M	1	9.54000D-01	5.00000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			PM148	1	1.00000D+00	0.00000D+00
												SM147	3	1.00000D+00	0.00000D+00
944	BA149	4.83100D+00	1.43480D-01	6.1290	0.0000	3.5360	2.0160	1.5200	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
945	LA149	1.07700D+01	6.43590D-02	5.2170	0.0000	2.8700	1.7830	1.0870	0.0000	3	0	BA149	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
946	CE149	5.70000D+00	1.21600D-01	3.9000	0.0000	1.7099	1.6428	0.0371	0.0300	1	0	LA149	1	1.00000D+00	0.00000D+00
		5.00000D-01	1.06670D-02	0.7800	0.0000	0.4539	0.4535	0.0186	0.0049						
947	PR149	1.50000D+02	4.62100D-03	3.0000	0.0000	1.3170	1.1372	0.1798	0.0000	0	0	CE149	1	1.00000D+00	0.00000D+00
		1.20000D+01	3.69680D-04	0.2000	0.0000	0.1879	0.1650	0.0900	0.0000						
948	ND149	6.22800D+03	1.11290D-04	1.6890	0.0000	0.8790	0.4648	0.3699	0.0443	0	0	PR149	1	1.00000D+00	0.00000D+00
		3.60000D+01	6.43320D-07	0.0040	0.0000	0.0350	0.0195	0.0286	0.0052			ND148	3	1.00000D+00	0.00000D+00
949	PM149	1.91090D+05	3.62740D-06	1.0713	0.0000	0.3759	0.3653	0.0106	0.0000	0	1	ND149	1	1.00000D+00	0.00000D+00
		1.80000D+02	3.41690D-09	0.0037	0.0000	0.0023	0.0020	0.0012	0.0000			PM148	3	1.00000D+00	0.00000D+00
950	SM149	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PM149	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			EU149	4	1.00000D+00	0.00000D+00
												SM148	3	1.00000D+00	0.00000D+00
951	EU149	8.04380D+06	8.61710D-08	0.0000	0.6960	0.0308	0.0000	0.0278	0.0029	0	0	GD149	4	1.00000D+00	0.00000D+00
		3.45600D+04	3.70230D-10	0.0000	0.0050	0.0032	0.0000	0.0032	0.0002						
952	GD149	8.12160D+05	8.53460D-07	0.0000	1.3080	0.4209	0.0000	0.3688	0.0521	0	0				
		2.59200D+04	2.72380D-08	0.0000	0.0070	0.0242	0.0000	0.0235	0.0054						
953	XE150	2.62500D-01	2.64060D+00	8.5420	0.0000	4.8140	3.0920	1.7220	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
954	CS150	1.21900D+00	5.68620D-01	9.4520	0.0000	6.0820	2.7510	3.3310	0.0000	3	0	XE150	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
955	BA150	2.05200D+00	3.37790D-01	5.6450	0.0000	3.0810	1.9850	1.0960	0.0000	3	0	CS150	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
956	LA150	6.75600D+00	1.02600D-01	7.2060	0.0000	4.5840	2.0370	2.5470	0.0000	3	0	BA150	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
957	CE150	4.10000D+00	1.69060D-01	2.7000	0.0000	1.1442	1.0375	0.1067	0.0000	1	0	LA150	1	1.00000D+00	0.00000D+00
		6.00000D-01	2.47400D-02	0.5400	0.0000	0.2819	0.2816	0.0123	0.0000						
958	PR150	6.20000D+00	1.11800D-01	5.7000	0.0000	3.0930	2.0170	1.0760	0.0000	2	0	CE150	1	1.00000D+00	0.00000D+00
		2.00000D-01	3.60640D-03	0.3000	0.0000	0.0000	0.0000	0.0000	0.0000						
959	ND150	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PR150	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
960	PM150	9.71280D+03	7.13640D-05	3.5000	0.1300	2.3194	0.7390	1.5804	0.0000	0	0	PM149	3	1.00000D+00	0.00000D+00
		5.40000D+01	3.96760D-07	0.0800	0.0800	0.0632	0.0608	0.0172	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
961	SM150	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PM150	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			SM149	3	1.00000D+00	0.00000D+00
962	LA151	3.04900D+00	2.27340D-01	6.6020	0.0000	3.8030	2.2020	1.6010	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
963	CE151	1.02000D+00	6.79560D-01	4.7600	0.0000	2.3174	1.4400	0.8774	0.0000	2	0	LA151	1	1.00000D+00	0.00000D+00
		6.00000D-02	3.99740D-02	0.9500	0.0000	0.0000	0.0000	0.0000	0.0000						
964	PR151	4.00000D+00	1.73290D-01	3.5000	0.0000	1.9351	1.2340	0.7011	0.0000	2	0	CE151	1	1.00000D+00	0.00000D+00
		7.00000D-01	3.03250D-02	0.7000	0.0000	0.0000	0.0000	0.0000	0.0000						
965	ND151	7.46400D+02	9.28650D-04	2.4410	0.0000	1.5540	0.5919	0.9266	0.0355	0	0	PR151	1	1.00000D+00	0.00000D+00
		4.20000D+00	5.22550D-06	0.0100	0.0000	0.0384	0.0370	0.0098	0.0023			ND150	3	1.00000D+00	0.00000D+00
966	PM151	1.02240D+05	6.77960D-06	1.1880	0.0000	0.6396	0.2810	0.3323	0.0262	0	0	ND151	1	1.00000D+00	0.00000D+00
		1.44000D+02	9.54870D-09	0.0100	0.0000	0.0209	0.0202	0.0053	0.0016						
967	SM151	2.84010D+09	2.44050D-10	0.0761	0.0000	0.0199	0.0197	0.0000	0.0002	0	1	PM151	1	1.00000D+00	0.00000D+00
		1.89340D+08	1.62700D-11	0.0006	0.0000	0.0020	0.0020	0.0000	0.0000			SM150	3	1.00000D+00	0.00000D+00
968	EU151	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	SM151	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			GU151	4	1.00000D+00	0.00000D+00
969	GD151	1.03680D+07	6.68550D-08	0.0000	0.4820	0.0690	0.0000	0.0330	0.0360	0	0	TB151	4	1.00000D+00	0.00000D+00
		1.72800D+06	1.11420D-08	0.0000	0.0070	0.0048	0.0000	0.0034	0.0034						
970	TB151	6.33600D+04	1.09400D-05	0.0000	2.5610	0.9361	0.0101	0.8455	0.0804	0	0				
		3.60000D+02	6.21580D-08	0.0000	0.0100	0.0220	0.0010	0.0203	0.0085						
971	BA152	6.65500D-01	1.04150D+00	7.0570	0.0000	3.9140	2.5240	1.3900	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
972	LA152	2.94200D+00	2.35600D-01	8.2030	0.0000	5.2400	2.3550	2.8850	0.0000	3	0	BA152	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
973	CE152	1.86300D+01	3.72060D-02	3.6170	0.0000	1.9444	1.1660	0.7784	0.0000	3	0	LA152	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
974	PR152	2.71000D+01	2.55770D-02	5.7700	0.0000	3.6680	1.5490	2.1190	0.0000	3	0	CE152	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
975	ND152	6.84000D+02	1.01340D-03	1.1500	0.0000	0.5084	0.3357	0.1563	0.0163	0	0	PR152	1	1.00000D+00	0.00000D+00
		1.20000D+01	1.77790D-05	0.1300	0.0000	0.0717	0.0715	0.0053	0.0016						
976	PM152N	1.08000D+03	6.41800D-04	0.2500	0.0000	2.0188	1.0540	0.9648	0.0000	2	0				
		1.80000D+02	1.06970D-04	0.1500	0.0000	0.0000	0.0000	0.0000	0.0000						
977	PM152M	4.51200D+02	1.53620D-03	0.2500	0.0000	2.4120	0.8640	1.4663	0.0817	0	0				
		6.00000D+00	2.04290D-05	0.1000	0.0000	0.1105	0.1066	0.0275	0.0098						
978	PM152	2.52000D+02	2.75060D-03	3.4700	0.0000	1.5182	1.3854	0.1145	0.0183	0	0	ND152	1	1.00000D+00	0.00000D+00
		1.20000D+01	1.30980D-04	0.1300	0.0000	0.2723	0.2723	0.0022	0.0037						
979	SM152	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PM152N	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			PM152M	1	1.00000D+00	0.00000D+00
												PM152	1	1.00000D+00	0.00000D+00
												EU152M	4	2.40000D-01	2.00000D-02
												EU152	4	7.30000D-01	2.00000D-02
												SM151	3	1.00000D+00	0.00000D+00
980	EU152N	5.76000D+03	1.20340D-04	0.1478	0.0000	0.1478	0.0000	0.0649	0.0829	0	0	EU151	3	4.00000D-04	1.00000D-04
		6.00000D+01	1.25350D-06	0.0002	0.0000	0.0015	0.0000	0.0011	0.0010						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
981	EU152M	3.35520D+04	2.06590D-05	0.0485	0.0000	0.7896	0.5273	0.2537	0.0085	1	0	EU151	3	3.55400D-01	2.50000D-02
		7.20000D+01	4.43320D-08	0.0010	0.0000	0.1292	0.1291	0.0048	0.0012						
982	EU152	4.29170D+08	1.61510D-09	1.8192	1.8769	1.2917	0.0830	1.1584	0.0503	0	0	EU152N	2	1.00000D+00	0.00000D+00
		6.31140D+06	2.37510D-11	0.0033	0.0011	0.0168	0.0107	0.0111	0.0068			EU151	3	6.44200D-01	3.00000D-02
983	GD152	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	EU152M	1	7.60000D-01	2.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			EU152	1	2.70000D-01	2.00000D-02
984	LA153	1.10700D+00	6.26150D-01	7.9060	0.0000	4.6830	2.5950	2.0880	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
985	CE153	1.33500D+01	5.19210D-02	5.0450	0.0000	2.8050	1.6800	1.1250	0.0000	3	0	LA153	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
986	PR153	1.31300D+01	5.27910D-02	4.9940	0.0000	2.7270	1.7000	1.0270	0.0000	3	0	CE153	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
987	ND153	1.69000D+02	4.10150D-03	3.0450	0.0000	1.5917	0.9685	0.6232	0.0000	3	0	PR153	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
988	PM153	3.24000D+02	2.13930D-03	1.8000	0.0000	0.7159	0.6447	0.0521	0.0191	0	0	ND153	1	1.00000D+00	0.00000D+00
		1.20000D+01	7.92350D-05	0.1000	0.0000	0.0958	0.0957	0.0031	0.0015						
989	SM153	1.68120D+05	4.12290D-06	0.8052	0.0000	0.3244	0.2218	0.0352	0.0674	0	0	PM153	1	1.00000D+00	0.00000D+00
		3.60000D+02	8.82850D-09	0.0029	0.0000	0.0118	0.0087	0.0006	0.0078			SM152	3	1.00000D+00	0.00000D+00
990	EU153	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	SM153	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			GD153	4	1.00000D+00	0.00000D+00
991	GD153	2.08740D+07	3.32060D-08	0.0000	0.2439	0.1084	0.0000	0.0526	0.0558	0	0	TB153	4	1.00000D+00	0.00000D+00
		1.72800D+04	2.74880D-11	0.0000	0.0020	0.0058	0.0000	0.0004	0.0058						
992	TB153	2.02180D+05	3.42840D-06	0.0000	1.7890	0.3520	0.0011	0.2945	0.0565	0	0				
		8.64000D+02	1.46510D-08	0.0000	0.0080	0.0084	0.0001	0.0024	0.0081						
993	BA154	3.07800D-01	2.25190D+00	8.2030	0.0000	4.6010	2.9560	1.6450	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
994	LA154	1.54300D+00	4.49220D-01	9.0570	0.0000	5.8140	2.6150	3.1990	0.0000	3	0	BA154	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
995	CE154	3.89900D+00	1.77780D-01	4.9140	0.0000	2.6527	1.6940	0.9587	0.0000	3	0	LA154	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
996	PR154	9.93800D+00	6.97470D-02	6.7450	0.0000	4.2870	1.8730	2.4140	0.0000	3	0	CE154	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
997	ND154	4.00000D+01	1.73290D-02	2.0000	0.0000	1.1016	0.5170	0.5846	0.0000	2	0	PR154	1	1.00000D+00	0.00000D+00
		1.00000D+01	4.33220D-03	0.4000	0.0000	0.0000	0.0000	0.0000	0.0000						
998	PM154M	1.62000D+02	4.27870D-03	0.2100	0.0000	2.7175	0.9277	1.7002	0.0896	0	0				
		6.00000D+00	1.58470D-04	0.0700	0.0000	0.1660	0.0739	0.1483	0.0100						
999	PM154	1.08000D+02	6.41800D-03	4.0000	0.0000	2.7358	0.8388	1.8519	0.0450	0	0	ND154	1	1.00000D+00	0.00000D+00
		1.20000D+01	7.13110D-04	0.1000	0.0000	0.2105	0.0703	0.1982	0.0067						
1000	SM154	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	PM154M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			PM154	1	1.00000D+00	0.00000D+00
												EU154	4	1.90000D-04	1.30000D-04

NO,	NUCL,	HALF LIFE (SEC)	DECAY CONST, (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M,NUCL	DTYP	BRANCHING	ERROR OF BR
1001	EU154M	2.76000D+03	2.51140D-04	0.1750	0.0000	0.1732	0.0000	0.0578	0.1154	1	0				
		2.40000D+01	2.18380D-06	0.0100	0.0000	0.0123	0.0000	0.0019	0.0122						
1002	EU154	2.71390D+08	2.55410D-09	1.9780	0.7280	1.4963	0.2347	1.2142	0.0474	0	1	EU154M	2	1.00000D+00	0.00000D+00
		3.15570D+06	2.96980D-11	0.0050	0.0050	0.0186	0.0146	0.0105	0.0049			EU153	3	1.00000D+00	0.00000D+00
1003	GD154	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	EU154	1	9.99810D-01	1.30000D-04
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1004	CE155	4.35400D+00	1.59200D-01	6.1910	0.0000	3.5860	2.0150	1.5710	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1005	PR155	4.05400D+00	1.70980D-01	6.2240	0.0000	3.5510	2.0710	1.4800	0.0000	3	0	CE155	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1006	ND155	3.86100D+01	1.79520D-02	4.1040	0.0000	2.1999	1.3660	0.8339	0.0000	3	0	PR155	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1007	PM155	1.23900D+02	5.59440D-03	3.1710	0.0000	1.6530	1.0200	0.6330	0.0000	3	0	ND155	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1008	SM155	1.32600D+03	5.22740D-04	1.6294	0.0000	0.6741	0.5533	0.0942	0.0266	0	0	PM155	1	1.00000D+00	0.00000D+00
		1.20000D+01	4.73060D-06	0.0036	0.0000	0.0781	0.0772	0.0114	0.0030			SM154	3	1.00000D+00	0.00000D+00
1009	EU155	1.56520D+08	4.42840D-09	0.2460	0.0000	0.1246	0.0458	0.0500	0.0288	0	1	SM155	1	1.00000D+00	0.00000D+00
		3.15570D+05	8.92830D-12	0.0029	0.0000	0.0050	0.0044	0.0003	0.0023			EU154	3	1.00000D+00	0.00000D+00
1010	GD155	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	EU155	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			TB155	4	1.00000D+00	0.00000D+00
1011	TB155	4.59650D+05	1.50800D-06	0.0000	0.8160	0.1423	0.0000	0.1167	0.0256	0	0	DY155	4	1.00000D+00	0.00000D+00
		5.18400D+03	1.70070D-08	0.0000	0.0140	0.0104	0.0000	0.0102	0.0020						
1012	DY155	3.60000D+04	1.92540D-05	0.0000	2.0990	0.5831	0.0058	0.5598	0.0175	0	0				
		1.08000D+03	5.77620D-07	0.0000	0.0060	0.0599	0.0008	0.0599	0.0017						
1013	CE156	1.41400D+00	4.90200D-01	6.0100	0.0000	3.2890	2.1180	1.1710	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1014	PR156	4.62700D+00	1.49800D-01	7.5950	0.0000	4.8370	2.1490	2.6880	0.0000	3	0	CE156	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1015	ND156	2.03900D+01	3.39940D-02	3.5200	0.0000	1.8877	1.1220	0.7657	0.0000	3	0	PR156	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1016	PM156	6.18800D+01	1.12010D-02	5.0550	0.0000	3.2080	1.3140	1.8940	0.0000	3	0	ND156	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1017	SM156	3.38400D+04	2.04830D-05	0.7140	0.0000	0.3266	0.1751	0.1175	0.0340	0	0	PM156	1	1.00000D+00	0.00000D+00
		7.20000D+02	4.35810D-07	0.0110	0.0000	0.0191	0.0141	0.0125	0.0025						
1018	EU156	1.31240D+06	5.28150D-07	2.4530	0.0000	1.8093	0.3891	1.3927	0.0275	0	1	SM156	1	1.00000D+00	0.00000D+00
		5.18400D+03	2.08620D-09	0.0090	0.0000	0.1406	0.0585	0.1278	0.0040			EU155	3	1.00000D+00	0.00000D+00
1019	GD156	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	EU156	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			TB156M	4	2.00000D-04	1.00000D-04
												TB156	4	1.00000D+00	0.00000D+00
												GD155	3	1.00000D+00	0.00000D+00
1020	TB156M	1.80000D+04	3.85080D-05	0.0884	0.0000	0.0889	0.0000	0.0014	0.0874	0	0				
		3.60000D+02	7.70160D-07	0.0000	0.0000	0.0003	0.0000	0.0003	0.0002						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
1021	TB156	4.61380D+05	1.50230D-06	0.4280	2.4370	1.8436	0.0000	1.7659	0.0776	0	0	TB156M	2	9.99800D-01	1.00000D-04
		7.77600D+03	2.53200D-08	0.0080	0.0040	0.1812	0.0000	0.1811	0.0061						
1022	DY156	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1023	CE157	1.37900D+00	5.02650D-01	7.5750	0.0000	4.5200	2.4310	2.0890	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1024	PR157	1.68200D+00	4.12100D-01	7.2830	0.0000	4.2680	2.3870	1.8810	0.0000	3	0	CE157	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1025	ND157	1.29000D+01	5.37320D-02	5.0470	0.0000	2.8080	1.6680	1.1400	0.0000	3	0	PR157	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1026	PM157	2.76900D+01	2.50320D-02	4.2960	0.0000	2.2918	1.4510	0.8408	0.0000	3	0	ND157	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1027	SM157	4.80000D+02	1.44410D-03	2.6000	0.0000	1.2121	0.8845	0.3072	0.0204	0	0	PM157	1	1.00000D+00	0.00000D+00
		3.00000D+01	9.02530D-05	0.2000	0.0000	0.1243	0.1229	0.0189	0.0019						
1028	EU157	5.45400D+04	1.27090D-05	1.3600	0.0000	0.6381	0.3702	0.2352	0.0327	0	0	SM157	1	1.00000D+00	0.00000D+00
		1.44000D+02	3.35550D-08	0.0150	0.0000	0.0340	0.0218	0.0257	0.0040			EU156	3	1.00000D+00	0.00000D+00
1029	GD157	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	EU157	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			TB157	4	1.00000D+00	0.00000D+00
1030	TB157	4.73350D+09	1.46430D-10	0.0000	0.0576	0.0002	0.0000	0.0000	0.0002	0	0	DY157	4	1.00000D+00	0.00000D+00
		9.46710D+08	2.92870D-11	0.0000	0.0023	0.0000	0.0000	0.0000	0.0000						
1031	DY157	2.91600D+04	2.37700D-05	0.0000	1.3420	0.3254	0.0000	0.3167	0.0087	0	0				
		3.60000D+02	2.93460D-07	0.0000	0.0070	0.0169	0.0000	0.0169	0.0008						
1032	CE158	5.27000D-01	1.31530D+00	7.3010	0.0000	4.0530	2.6080	1.4450	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1033	PR158	1.66000D+00	4.17560D-01	8.9000	0.0000	5.7070	2.5520	3.1550	0.0000	3	0	CE158	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1034	ND158	4.81800D+00	1.43870D-01	4.6690	0.0000	2.5129	1.5890	0.9239	0.0000	3	0	PR158	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1035	PM158	2.32700D+01	2.97870D-02	5.8690	0.0000	3.7330	1.5690	2.1640	0.0000	3	0	ND158	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1036	SM158	7.68800D+02	9.01600D-04	1.7160	0.0000	0.9624	0.4077	0.5547	0.0000	3	0	PM158	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1037	EU158	2.75400D+03	2.51690D-04	3.4500	0.0000	2.0872	0.9164	1.1181	0.0527	0	0	SM158	1	1.00000D+00	0.00000D+00
		1.20000D+01	1.09670D-06	0.0800	0.0000	0.2460	0.1185	0.2154	0.0076						
1038	GD158	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	EU158	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			TB158	4	8.21000D-01	1.80000D-02
1039	TB158M	1.05000D+01	6.60140D-02	0.1100	0.0000	0.1099	0.0000	0.0010	0.1089	0	0				
		2.00000D-01	1.25740D-03	0.0010	0.0000	0.0015	0.0000	0.0000	0.0015						
1040	TB158	4.73350D+09	1.46430D-10	0.9354	1.2160	0.8866	0.0482	0.7494	0.0891	0	0	TB158M	2	1.00000D+00	0.00000D+00
		9.46710D+08	2.92870D-11	0.0036	0.0018	0.0431	0.0092	0.0407	0.0108						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
1041	DY158	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TB158	1	1.79000D-01	1.80000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1042	PR159	6.74000D-01	1.02840D+00	8.5420	0.0000	5.1110	2.7730	2.3380	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1043	ND159	3.47700D+00	1.99350D-01	6.4010	0.0000	3.7290	2.0630	1.6660	0.0000	3	0	PR159	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1044	PM159	9.10700D+00	7.61110D-02	5.3120	0.0000	2.9420	1.7820	1.1600	0.0000	3	0	ND159	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1045	SM159	8.81200D+01	7.86590D-03	3.4610	0.0000	1.8162	1.1270	0.6892	0.0000	3	0	PM159	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1046	EU159	1.12200D+03	6.17780D-04	2.6500	0.0000	1.2402	0.9025	0.2643	0.0734	0	0	SM159	1	1.00000D+00	0.00000D+00
		2.40000D+01	1.32150D-05	0.0500	0.0000	0.0740	0.0695	0.0246	0.0067						
1047	GD159	6.68160D+04	1.03740D-05	0.9747	0.0000	0.3557	0.3045	0.0408	0.0104	0	0	EU159	1	1.00000D+00	0.00000D+00
		2.88000D+02	4.47150D-08	0.0018	0.0000	0.0448	0.0443	0.0057	0.0023			GD158	3	1.00000D+00	0.00000D+00
1048	TB159	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	1	GD159	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			DY159	4	1.00000D+00	0.00000D+00
1049	DY159	1.24760D+07	5.55580D-08	0.0000	0.3657	0.0147	0.0000	0.0013	0.0133	0	0	HO159	4	1.00000D+00	0.00000D+00
		1.72800D+04	7.69500D-11	0.0000	0.0010	0.0018	0.0000	0.0002	0.0017						
1050	HO159M	8.30000D+00	8.35120D-02	0.2059	0.0000	0.2059	0.0000	0.0842	0.1217	1	0				
		8.00000D-02	8.04930D-04	0.0005	0.0000	0.0188	0.0000	0.0069	0.0175						
1051	HO159	1.98000D+03	3.50070D-04	0.0000	1.8530	0.3269	0.0010	0.2719	0.0540	0	0	HO159M	2	1.00000D+00	0.00000D+00
		6.00000D+01	1.06080D-05	0.0000	0.0090	0.0209	0.0001	0.0206	0.0035						
1052	CE160	3.11600D-01	2.22450D+00	8.2260	0.0000	4.6310	2.9310	1.7000	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1053	PR160	1.14200D+00	6.06960D-01	9.1590	0.0000	5.8720	2.6390	3.2330	0.0000	3	0	CE160	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1054	ND160	1.47800D+00	4.68980D-01	6.0220	0.0000	3.3060	2.1000	1.2060	0.0000	3	0	PR160	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1055	PM160	6.01200D+00	1.15290D-01	7.0460	0.0000	4.4690	1.9690	2.5000	0.0000	3	0	ND160	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1056	SM160	6.32400D+01	1.09610D-02	2.8530	0.0000	1.5365	0.8467	0.6898	0.0000	3	0	PM160	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1057	EU160	5.00000D+01	1.38630D-02	4.4000	0.0000	2.2170	1.4042	0.7605	0.0523	1	0	SM160	1	1.00000D+00	0.00000D+00
		1.00000D+00	2.77260D-04	0.8800	0.0000	0.5175	0.4495	0.2557	0.0183						
1058	GD160	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	EU160	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1059	TB160	6.22940D+06	1.11270D-07	1.8334	0.1023	1.2323	0.2033	0.9522	0.0767	0	0	TB159	3	1.00000D+00	0.00000D+00
		2.59200D+04	4.62980D-10	0.0017	0.0014	0.0222	0.0047	0.0208	0.0059						
1060	DY160	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TB160	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
1061	ND161	2.29500D+00	3.02020D-01	6.8170	0.0000	4.0390	2.1600	1.8790	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1062	PM161	2.85800D+00	2.42530D-01	6.5340	0.0000	3.8040	2.1080	1.6960	0.0000	3	0	ND161	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1063	SM161	1.76000D+01	3.93830D-02	4.7170	0.0000	2.6450	1.5070	1.1380	0.0000	3	0	PM161	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1064	EU161	7.63200D+01	9.08210D-03	3.5180	0.0000	1.8635	1.1320	0.7315	0.0000	3	0	SM161	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1065	GD161	2.22000D+02	3.12230D-03	1.9591	0.0000	0.9616	0.5620	0.3693	0.0303	0	0	EU161	1	1.00000D+00	0.00000D+00
		6.00000D+00	8.43860D-05	0.0017	0.0000	0.0748	0.0722	0.0195	0.0015						
1066	TB161	5.97020D+05	1.16100D-06	0.5905	0.0000	0.2351	0.1539	0.0229	0.0584	0	0	GD161	1	1.00000D+00	0.00000D+00
		1.72800D+03	3.36040D-09	0.0017	0.0000	0.0228	0.0220	0.0029	0.0050						
1067	DY161	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TB161	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			HO161	4	1.00000D+00	0.00000D+00
1068	HO161M	6.73000D+00	1.02990D-01	0.2111	0.0000	0.2111	0.0000	0.0950	0.1161	0	0	ER161	4	2.70000D-01	2.00000D-02
		1.00000D-01	1.55040D-03	0.0000	0.0000	0.0030	0.0000	0.0021	0.0021						
1069	HO161	8.92800D+03	7.76370D-05	0.0000	0.8531	0.0553	0.0000	0.0217	0.0336	0	0	HO161M	2	1.00000D+00	0.00000D+00
		1.80000D+02	1.56530D-06	0.0000	0.0032	0.0063	0.0000	0.0047	0.0043			ER161	4	7.30000D-01	2.00000D-02
1070	ER161	1.16640D+04	5.94260D-05	0.0000	2.0060	0.8291	0.0004	0.8210	0.0077	0	0				
		1.44000D+02	7.33660D-07	0.0000	0.0110	0.0408	0.0000	0.0408	0.0006						
1071	ND162	6.59300D-01	1.05130D+00	7.0490	0.0000	3.9160	2.4850	1.4310	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1072	PM162	4.34800D+00	1.59420D-01	7.3960	0.0000	4.6990	2.0790	2.6200	0.0000	3	0	ND162	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1073	SM162	8.80600D+00	7.87130D-02	4.1980	0.0000	2.2608	1.3830	0.8778	0.0000	3	0	PM162	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1074	EU162	3.24300D+01	2.13740D-02	5.3840	0.0000	3.4210	1.4030	2.0180	0.0000	3	0	SM162	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1075	GD162	5.40000D+02	1.28360D-03	1.4000	0.0000	0.7637	0.3222	0.4260	0.0155	0	0	EU162	1	1.00000D+00	0.00000D+00
		6.00000D+01	1.42620D-04	0.1000	0.0000	0.0457	0.0395	0.0231	0.0016						
1076	TB162	4.65600D+02	1.48870D-03	2.4200	0.0000	1.6055	0.4488	1.1130	0.0438	0	0	GD162	1	1.00000D+00	0.00000D+00
		6.00000D+00	1.91850D-05	0.0700	0.0000	0.0985	0.0932	0.0321	0.0017						
1077	DY162	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TB162	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			HO162M	4	3.90000D-01	4.00000D-02
												HO162	4	1.00000D+00	0.00000D+00
1078	HO162M	4.08000D+03	1.69890D-04	0.1100	0.0000	0.6695	0.0000	0.5380	0.1315	1	0				
		6.00000D+01	2.49840D-06	0.0020	0.0000	0.0244	0.0000	0.0235	0.0063						
1079	HO162	9.00000D+02	7.70160D-04	0.2880	2.1340	0.1822	0.0208	0.1242	0.0371	0	0	HO162M	2	6.10000D-01	4.00000D-02
		6.00000D+01	5.13440D-05	0.0050	0.0040	0.0069	0.0022	0.0056	0.0032						
1080	ER162	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
1081	ND163	1.02400D+00	6.76900D-01	7.8300	0.0000	4.7010	2.4820	2.2190	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1082	PM163	1.34600D+00	5.14970D-01	7.4510	0.0000	4.4120	2.3930	2.0190	0.0000	3	0	ND163	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1083	SM163	9.59700D+00	7.22250D-02	5.2540	0.0000	3.0030	1.6690	1.3340	0.0000	3	0	PM163	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1084	EU163	1.61700D+01	4.28660D-02	4.7300	0.0000	2.6130	1.5410	1.0720	0.0000	3	0	SM163	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1085	GD163	1.41300D+02	4.90550D-03	3.1570	0.0000	1.6698	0.9852	0.6846	0.0000	3	0	EU163	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1086	TB163	1.17000D+03	5.92430D-04	1.7000	0.0000	1.1030	0.2947	0.7841	0.0241	0	0	GD163	1	1.00000D+00	0.00000D+00
		1.80000D+01	9.11440D-06	0.0500	0.0000	0.0614	0.0267	0.0552	0.0030						
1087	DY163	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TB163	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			HU163	4	1.00000D+00	0.00000D+00
1088	HO163M	1.08000D+00	6.41800D-01	0.2978	0.0000	0.2978	0.0000	0.2305	0.0673	0	0	ER163	4	1.60000D-04	5.00000D-05
		3.00000D-02	1.78280D-02	0.0010	0.0000	0.0043	0.0000	0.0031	0.0030						
1089	HO163	1.04140D+09	6.65600D-10	0.0000	0.0026	0.0000	0.0000	0.0000	0.0000	0	0	HU163M	2	1.00000D+00	0.00000D+00
		9.46710D+07	6.05090D-11	0.0000	0.0021	0.0000	0.0000	0.0000	0.0000			ER163	4	9.99840D-01	5.00000D-05
1090	ER163	4.50000D+03	1.54030D-04	0.0000	1.2120	0.0011	0.0000	0.0011	0.0000	0	0				
		2.40000D+01	8.21510D-07	0.0000	0.0050	0.0001	0.0000	0.0001	0.0000						
1091	ND164	4.04800D-01	1.71230D+00	7.7380	0.0000	4.3290	2.7410	1.5880	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1092	PM164	2.10700D+00	3.28970D-01	8.2640	0.0000	5.2740	2.3480	2.9260	0.0000	3	0	ND164	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1093	SM164	2.76600D+00	2.50600D-01	5.2580	0.0000	2.8520	1.8030	1.0490	0.0000	3	0	PM164	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1094	EU164	1.87800D+01	3.69090D-02	5.8510	0.0000	3.7100	1.5630	2.1470	0.0000	3	0	SM164	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1095	GD164	1.09600D+02	6.32430D-03	2.5310	0.0000	1.3650	0.7181	0.6469	0.0000	3	0	EU164	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1096	TB164	1.80000D+02	3.85080D-03	3.8600	0.0000	3.1887	0.6872	2.4260	0.0755	0	0	GD164	1	1.00000D+00	0.00000D+00
		6.00000D+00	1.28360D-04	0.1500	0.0000	0.2374	0.0818	0.2226	0.0100						
1097	DY164	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TB164	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			HU164	4	6.00000D-01	2.00000D-02
1098	HO164M	2.25000D+03	3.08060D-04	0.1400	0.0000	0.1396	0.0000	0.0080	0.1316	0	0				
		6.00000D+01	8.21510D-06	0.0010	0.0000	0.0028	0.0000	0.0003	0.0028						
1099	HO164	1.74000D+03	3.98360D-04	1.0020	1.0292	0.1549	0.1308	0.0037	0.0203	0	0	HU164M	2	1.00000D+00	0.00000D+00
		6.00000D+01	1.37370D-05	0.0040	0.0032	0.0091	0.0091	0.0005	0.0007						
1100	ER164	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	HU164	1	4.00000D-01	2.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
1101	PM165	8.59700D-01	8.06270D-01	8.0410	0.0000	4.8000	2.5790	2.2210	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1102	SM165	3.64800D+00	1.90010D-01	6.2310	0.0000	3.6540	1.9630	1.6910	0.0000	3	0	PM165	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1103	EU165	5.94800D+00	1.16530D-01	5.6760	0.0000	3.2370	1.8300	1.4070	0.0000	3	0	SM165	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1104	GD165	4.84000D+01	1.43210D-02	3.8810	0.0000	2.1111	1.2300	0.8811	0.0000	3	0	EU165	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1105	TB165	2.97300D+02	2.33150D-03	2.6490	0.0000	1.3883	0.7917	0.5966	0.0000	3	0	GD165	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1106	DY165M	7.54800D+01	9.18320D-03	0.1082	0.0000	0.1236	0.0069	0.0134	0.1033	0	0				
		3.60000D-01	4.37990D-05	0.0000	0.0000	0.0018	0.0008	0.0016	0.0002						
1107	DY165	8.40240D+03	8.24940D-05	1.2851	0.0000	0.4739	0.4414	0.0220	0.0105	0	0	TB165	1	1.00000D+00	0.00000D+00
		2.16000D+01	2.12070D-07	0.0039	0.0000	0.0573	0.0573	0.0023	0.0019			DY165M	2	9.77600D-01	1.40000D-03
1108	HO165	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	DY165M	1	2.24000D-02	1.40000D-03
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			DY165	1	1.00000D+00	0.00000D+00
												ER165	4	1.00000D+00	0.00000D+00
1109	ER165	3.72960D+04	1.85850D-05	0.0000	0.3771	0.0000	0.0000	0.0000	0.0000	0	0	TM165	4	1.00000D+00	0.00000D+00
		1.44000D+02	7.17570D-08	0.0000	0.0023	0.0000	0.0000	0.0000	0.0000						
1110	TM165	1.08220D+05	6.40520D-06	0.0000	1.5945	0.6032	0.0000	0.5509	0.0523	0	0				
		1.08000D+02	6.39240D-09	0.0000	0.0024	0.0571	0.0000	0.0569	0.0053						
1111	SM166	1.40400D+00	4.93690D-01	6.0040	0.0000	3.2890	2.0840	1.2050	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1112	EU166	7.96000D+00	8.70790D-02	6.6800	0.0000	4.2330	1.8380	2.3950	0.0000	3	0	SM166	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1113	GD166	1.60700D+01	4.31330D-02	3.6900	0.0000	1.9801	1.1740	0.8061	0.0000	3	0	EU166	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1114	TB166	2.22100D+02	3.12090D-03	3.9980	0.0000	2.5581	0.9471	1.6110	0.0000	3	0	GD166	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1115	DY166	2.93760D+05	2.35960D-06	0.4840	0.0000	0.1892	0.1082	0.0150	0.0660	0	0	TB166	1	1.00000D+00	0.00000D+00
		3.60000D+02	2.89160D-09	0.0050	0.0000	0.0228	0.0217	0.0041	0.0056						
1116	HO166M	3.78680D+10	1.83040D-11	0.0050	0.0000	1.8472	0.0165	1.7257	0.1050	1	0				
		5.68030D+09	2.74560D-12	0.0010	0.0000	0.0505	0.0011	0.0489	0.0122						
1117	HO166	9.64800D+04	7.18440D-06	1.8543	0.0000	0.7258	0.6716	0.0235	0.0306	0	0	DY166	1	1.00000D+00	0.00000D+00
		7.20000D+01	5.36150D-09	0.0017	0.0000	0.0221	0.0211	0.0008	0.0064						
1118	ER166	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	HO166M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			HO166	1	1.00000D+00	0.00000D+00
												TM166	4	1.00000D+00	0.00000D+00
1119	TM166	2.77200D+04	2.50050D-05	0.0000	3.0470	1.8445	0.0141	1.7491	0.0813	0	0	YB166	4	1.00000D+00	0.00000D+00
		1.08000D+02	9.74230D-08	0.0000	0.0110	0.1784	0.0026	0.1782	0.0084						
1120	YB166	2.04120D+05	3.39580D-06	0.0000	0.2920	0.0823	0.0000	0.0125	0.0698	0	0				
		3.60000D+02	5.98900D-09	0.0000	0.0130	0.0010	0.0000	0.0010	0.0003						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
1121	SM167	1.32000D+00	5.25110D-01	7.4280	0.0000	4.4390	2.3380	2.1010	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1122	EU167	3.23500D+00	2.14270D-01	6.3200	0.0000	3.6670	2.0240	1.6430	0.0000	3	0	SM167	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1123	GD167	1.36700D+01	5.07060D-02	4.8880	0.0000	2.7620	1.5450	1.2170	0.0000	3	0	EU167	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1124	TB167	6.83700D+01	1.01380D-02	3.5630	0.0000	1.8913	1.1400	0.7513	0.0000	3	0	GD167	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1125	DY167	3.72000D+02	1.86330D-03	2.3500	0.0000	1.2398	0.6498	0.5173	0.0727	0	0	TB167	1	1.00000D+00	0.00000D+00
		4.80000D+00	2.40430D-05	0.0600	0.0000	0.0648	0.0601	0.0230	0.0073						
1126	HO167	1.11600D+04	6.21100D-05	0.9700	0.0000	0.5426	0.1752	0.3421	0.0253	0	0	DY167	1	1.00000D+00	0.00000D+00
		3.60000D+02	2.00350D-06	0.0200	0.0000	0.0230	0.0146	0.0176	0.0025						
1127	ER167M	2.28000D+00	3.04010D-01	0.2078	0.0000	0.2078	0.0000	0.0867	0.1211	0	0	HO167	1	1.20000D-01	2.00000D-02
		3.00000D-02	4.00020D-03	0.0000	0.0000	0.0035	0.0000	0.0025	0.0025			TM167	4	9.84000D-01	2.00000D-03
1128	ER167	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	HO167	1	8.80000D-01	2.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			ER167M	2	1.00000D+00	0.00000D+00
												TM167	4	1.60000D-02	2.00000D-03
1129	TM167	7.98340D+05	8.68240D-07	0.0000	0.7489	0.0221	0.0000	0.0106	0.0114	0	0	YB167	4	1.00000D+00	0.00000D+00
		1.72800D+03	1.87930D-09	0.0000	0.0016	0.0025	0.0000	0.0011	0.0023						
1130	YB167	1.05000D+03	6.60140D-04	0.0000	1.9541	0.3045	0.0015	0.1615	0.1415	0	0				
		1.20000D+01	7.54450D-06	0.0000	0.0038	0.0206	0.0003	0.0083	0.0189						
1131	SM168	6.55900D-01	1.05680D+00	6.9630	0.0000	3.8580	2.4430	1.4150	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1132	EU168	3.09000D+00	2.24320D-01	7.7280	0.0000	4.9170	2.1680	2.7490	0.0000	3	0	SM168	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1133	GD168	5.39700D+00	1.28430D-01	4.5590	0.0000	2.4535	1.5210	0.9325	0.0000	3	0	EU168	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1134	TB168	7.12400D+01	9.72970D-03	4.7280	0.0000	3.0230	1.1700	1.8530	0.0000	3	0	GD168	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1135	DY168	1.70300D+03	4.07020D-04	1.4880	0.0000	0.8603	0.3176	0.5427	0.0000	3	0	TB168	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1136	HO168	1.80000D+02	3.85080D-03	2.7200	0.0000	1.5787	0.6824	0.8486	0.0477	0	0	DY168	1	1.00000D+00	0.00000D+00
		6.00000D+00	1.28360D-04	0.1000	0.0000	0.1649	0.0669	0.1504	0.0107						
1137	ER168	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	HO168	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			TM168	4	9.80000D-01	2.00000D-02
1138	TM168	8.04380D+06	8.61710D-08	0.2590	1.6795	1.1686	0.0002	1.1015	0.0669	0	0				
		8.64000D+03	9.25580D-11	0.0040	0.0019	0.0674	0.0002	0.0668	0.0090						
1139	YB168	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TM168	1	2.00000D-02	2.00000D-02
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1140	EU169	1.60200D+00	4.32680D-01	7.1430	0.0000	4.2120	2.2770	1.9350	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
1141	GD169	3.86500D+00	1.79340D-01	6.1150	0.0000	3.5770	1.9130	1.6640	0.0000	3	0	EU169	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1142	TB169	2.88200D+01	2.40510D-02	4.2010	0.0000	2.2824	1.3550	0.9274	0.0000	3	0	GD169	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1143	DY169	2.25100D+02	3.07930D-03	2.8500	0.0000	1.4972	0.8653	0.6319	0.0000	3	0	TB169	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1144	HO169	2.76000D+02	2.51140D-03	2.1240	0.0000	1.3529	0.4933	0.8596	0.0000	0	0	DY169	1	1.00000D+00	0.00000D+00
		4.80000D+01	4.36770D-04	0.0200	0.0000	0.1746	0.0638	0.1626	0.0000						
1145	ER169	8.03520D+05	8.62640D-07	0.3520	0.0000	0.1037	0.1000	0.0000	0.0038	0	0	HO169	1	1.00000D+00	0.00000D+00
		1.72800D+04	1.85510D-08	0.0015	0.0000	0.0016	0.0015	0.0000	0.0004						
1146	TM169	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	ER169	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			YB169	4	1.00000D+00	0.00000D+00
1147	YB169M	4.60000D+01	1.50680D-02	0.0242	0.0000	0.0242	0.0000	0.0000	0.0242	0	0				
		2.00000D+00	6.55150D-04	0.0001	0.0000	0.0001	0.0000	0.0000	0.0001						
1148	YB169	2.76220D+06	2.50940D-07	0.0000	0.9084	0.3798	0.0000	0.2110	0.1688	0	0	YB169M	2	1.00000D+00	0.00000D+00
		4.32000D+03	3.92460D-10	0.0000	0.0036	0.0125	0.0000	0.0066	0.0106						
1149	SM170	4.05200D-01	1.71060D+00	7.6350	0.0000	4.2600	2.6920	1.5680	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1150	EU170	3.05400D+00	2.26960D-01	7.7230	0.0000	4.9180	2.1650	2.7530	0.0000	3	0	SM170	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1151	GD170	1.93000D+00	3.59140D-01	5.5740	0.0000	3.0300	1.9140	1.1160	0.0000	3	0	EU170	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1152	TB170	2.15000D+01	3.22390D-02	5.6770	0.0000	3.6010	1.4940	2.1070	0.0000	3	0	GD170	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1153	DY170	1.47200D+02	4.70890D-03	2.3560	0.0000	1.2748	0.6463	0.6285	0.0000	3	0	TB170	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1154	HO170M	1.68000D+02	4.12590D-03	0.0100	0.0000	2.3378	0.9576	1.3172	0.0630	1	0				
		1.20000D+01	2.94710D-04	0.0100	0.0000	0.1705	0.0996	0.1577	0.0141						
1155	HO170	4.30000D+01	1.61200D-02	4.0000	0.0000	1.7813	1.5870	0.1609	0.0334	0	0	DY170	1	1.00000D+00	0.00000D+00
		2.00000D+00	7.49750D-04	0.2000	0.0000	0.2399	0.2337	0.0537	0.0074						
1156	ER170	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	HO170M	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			HO170	1	1.00000D+00	0.00000D+00
												TM170	4	1.44000D-03	3.00000D-05
1157	TM170	1.11110D+07	6.23840D-08	0.9670	0.3137	0.3353	0.3151	0.0027	0.0175	0	0				
		2.59200D+04	1.45530D-10	0.0009	0.0019	0.0383	0.0383	0.0003	0.0024						
1158	YB170	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TM170	1	9.98560D-01	3.00000D-05
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1159	GD171	3.02300D+00	2.29290D-01	6.3690	0.0000	3.7480	1.9880	1.7600	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1160	TB171	1.17800D+01	5.88410D-02	4.9500	0.0000	2.7620	1.5940	1.1680	0.0000	3	0	GD171	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

NO.	NUCL.	HALF LIFE (SEC)	DECAY CONST. (1/SEC)	Q-BETA (MEV)	Q-EC (MEV)	E-TOTAL (MEV)	E-BETA (MEV)	E-GAMMA (MEV)	E-IC+X (MEV)	IE	SG	M.NUCL	DTYP	BRANCHING	ERROR OF BR
1161	DY171	4.01200D+01	1.72770D-02	3.9810	0.0000	2.1790	1.2500	0.9290	0.0000	3	0	TB171	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1162	HO171	4.03500D+02	1.71780D-03	2.4640	0.0000	1.2943	0.7130	0.5813	0.0000	3	0	DY171	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1163	ER171	2.70720D+04	2.56040D-05	1.4904	0.0000	0.7930	0.3623	0.3554	0.0752	0	0	DY171	1	1.00000D+00	0.00000D+00
		1.08000D+02	1.02140D-07	0.0012	0.0000	0.0413	0.0182	0.0352	0.0116						
1164	TM171	6.05890D+07	1.14400D-08	0.0967	0.0000	0.0263	0.0249	0.0001	0.0013	0	0	ER171	1	1.00000D+00	0.00000D+00
		3.15570D+05	5.95840D-11	0.0010	0.0000	0.0004	0.0003	0.0000	0.0003						
1165	YB171	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TM171	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1166	GD172	1.00100D+00	6.92450D-01	6.3350	0.0000	3.4780	2.1990	1.2790	0.0000	3	0				
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1167	TB172	1.99300D+01	3.47790D-02	5.7320	0.0000	3.6360	1.5110	2.1250	0.0000	3	0	GD172	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1168	DY172	2.63000D+01	2.63550D-02	3.3000	0.0000	1.7670	1.0140	0.7530	0.0000	3	0	TB172	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1169	HO172	1.97400D+02	3.51140D-03	4.0340	0.0000	2.5892	0.9442	1.6450	0.0000	3	0	DY172	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
1170	ER172	1.77480D+05	3.90550D-06	0.8890	0.0000	0.6267	0.0922	0.4929	0.0417	0	0	DY172	1	1.00000D+00	0.00000D+00
		1.08000D+03	2.37660D-08	0.0070	0.0000	0.0186	0.0123	0.0135	0.0037						
1171	TM172	2.28960D+05	3.02740D-06	1.8700	0.0000	1.0100	0.4919	0.4782	0.0399	0	0	ER172	1	1.00000D+00	0.00000D+00
		7.20000D+02	9.52000D-09	0.0100	0.0000	0.1025	0.0631	0.0802	0.0101						
1172	YB172	0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0	TM172	1	1.00000D+00	0.00000D+00
		0.00000D+00	0.00000D+00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

Table 2. Comparison with Experimental and Estimated Values of Average Decay Energies for Nuclides with Q_β > 5 MeV

NO.	NUCL.	HALF LIFE (SEC)	Q-BETA (MEV)	EXPERIMENT E-TOTAL (MEV)	EXPERIMENT E-BETA (MEV)	EXPERIMENT E-GAMMA (MEV)	ESTIMATE E-TOTAL (MEV)	ESTIMATE E-BETA (MEV)	ESTIMATE E-GAMMA (MEV)
1	CU 68M	2.25000D+02	5.3410	1.1673	0.1883	0.9791	1.1530	0.1970	0.9560
2	CU 70M	4.60000D+01	6.3100	4.5071	1.5758	2.9312	3.8170	1.6500	2.1670
3	CU 70	4.50000D+00	6.1700	3.1447	2.5688	0.5759	2.9920	2.6970	0.2950
4	GA 74	4.95000D+02	5.4000	4.0724	1.0245	3.0479	3.6890	1.2880	2.4010
5	GA 76	2.71000D+01	6.7700	4.5975	1.8051	2.7925	4.2420	1.7460	2.4960
6	AS 80	1.65000D+01	5.7000	2.9287	2.3200	0.6086	2.7380	2.4790	0.2590
7	GE 81	1.01000D+01	5.6000	2.6061	2.4908	0.1153	3.0070	2.1260	0.8810
8	AS 82M	1.30000D+01	7.4000	5.0172	1.8568	3.1604	4.7170	1.9540	2.7630
9	AS 82	2.10000D+01	7.4000	3.7299	3.2534	0.4765	4.9440	1.9900	2.9540
10	AS 83	1.41000D+01	5.4600	4.0071	1.2556	2.7514	2.9930	2.0000	0.9930
11	AS 84	5.80000D+00	9.5540	5.5649	3.9893	1.5756	6.2390	2.8340	3.4050
12	SE 85	3.28000D+01	6.1000	3.9427	1.7038	2.2390	4.0180	1.6300	2.3880
13	SE 86	1.67000D+01	5.1000	3.4952	1.1468	2.3485	3.3140	1.3500	1.9640
14	BR 86	5.57000D+01	7.3000	5.3771	1.7377	3.6395	4.8830	1.9470	2.9360
15	SE 87	5.60000D+00	7.2700	4.4520	2.4920	1.9600	4.7230	2.0790	2.6440
16	BR 87	5.56000D+01	6.5000	5.3982	1.5429	3.8553	4.2230	1.8130	2.4100
17	SE 88	1.53000D+00	7.0000	4.1005	2.3809	1.7195	4.1200	2.4040	1.7160
18	BR 88	1.63000D+01	8.6000	5.6748	2.6177	3.0572	5.6640	2.4540	3.2100
19	RB 88	1.06800D+03	5.3090	2.7275	2.0911	0.6364	3.6870	1.1930	2.4940
20	BR 90	1.92000D+00	10.3300	5.5218	4.3885	1.1333	6.7510	3.0890	3.6620
21	RB 90M	2.58000D+02	6.4670	4.6392	1.2888	3.3503	4.2100	1.5440	2.6660
22	RB 90	1.53000D+02	6.3600	4.0516	1.8875	2.1641	4.3300	1.5710	2.7590
23	KR 91	8.57000D+00	6.2000	3.7231	1.9900	1.7331	3.6720	2.0550	1.6170
24	RB 91	5.82000D+01	5.7000	3.7347	1.5157	2.2190	3.7720	1.4760	2.2960
25	KR 92	1.85000D+00	6.0800	3.1253	2.4086	0.7168	3.3400	2.2620	1.0780
26	RB 92	4.50000D+00	7.7700	3.7554	3.4895	0.2659	4.4220	2.8560	1.5660
27	KR 93	1.28900D+00	8.7000	5.1672	2.8899	2.2772	5.4840	2.7270	2.7570
28	RB 93	5.82000D+00	7.4500	4.1101	2.7167	1.3934	4.8220	2.1470	2.6750
29	SR 95	2.44000D+01	6.0900	3.2969	2.2653	1.0317	4.0350	1.5930	2.4420
30	SR 96	1.01500D+00	5.3600	2.8877	1.9758	0.9119	2.9210	1.9620	0.9590
31	SR 97	4.41000D-01	7.2000	4.0271	2.5420	1.4850	4.1040	2.6030	1.5010
32	Y 97M	1.13000D+00	7.3380	4.2122	2.4020	1.8102	4.1550	2.6830	1.4720
33	Y 97	3.70000D+00	6.6700	3.9652	2.1515	1.8137	3.7030	2.4720	1.2310
34	RB 98	1.08000D-01	10.8500	5.0680	3.8139	1.2542	6.6340	3.7110	2.9230
35	SR 98	6.60000D-01	5.8100	2.7046	2.5348	0.1698	3.1900	2.1390	1.0510
36	Y 98M	2.00000D+00	9.0800	5.7837	2.6783	3.1054	5.5850	2.9890	2.5960
37	Y 98	6.50000D-01	8.9800	4.7593	3.9453	0.8140	5.2570	3.2160	2.0410
38	Y 99	1.40000D+00	6.3900	2.9760	2.4823	0.4936	3.5220	2.3750	1.1470
39	ZR101	2.40000D+00	5.9000	2.8496	2.4966	0.3530	3.2510	2.1600	1.0910
40	TC104	1.09200D+03	5.6200	3.5180	1.6758	1.8422	3.9220	1.2440	2.6780
41	MO105	3.67000D+01	5.4000	2.4100	2.2554	0.1546	3.6550	1.2900	2.3650
42	TC108	5.00000D+00	8.0000	4.0942	3.2938	0.8004	5.2420	2.2490	2.9930
43	RH110M	2.85000D+01	5.4000	3.5658	1.3534	2.2125	3.0140	2.2370	0.7770
44	RH110	3.00000D+00	5.4000	2.4399	2.3839	0.0561	2.6880	2.2020	0.4860
45	AG116M	1.04000D+01	6.3120	3.6176	1.9355	1.6821	3.3560	2.3130	1.0430
46	AG116	1.60800D+02	6.1000	3.5901	2.7232	0.8668	4.2220	1.3970	2.8250
47	AG118M	2.00000D+00	7.1280	1.9551	0.7924	1.1627	1.3410	0.7890	0.5520
48	AG118	3.76000D+00	7.0000	3.8657	2.5388	1.3269	3.9490	2.5150	1.4340
49	AG122	4.80000D-01	9.1700	4.8156	3.6970	1.1185	5.5590	3.0480	2.5110
50	IN122M	1.00000D+01	6.5900	3.6522	1.9173	1.7349	3.9220	2.4230	1.4990
51	IN122	1.50000D+00	6.5100	3.9955	2.7374	1.2582	3.6050	2.3630	1.2420
52	IN124M	2.40000D+00	7.3300	4.5064	2.2336	2.2728	4.2190	2.5580	1.6610
53	IN124	3.21000D+00	7.1400	4.1991	2.3328	1.8662	4.0800	2.5100	1.5700
54	IN125M	1.22000D+01	5.6600	2.5852	2.4518	0.1334	3.4960	1.6600	1.8360
55	IN125	2.32000D+00	5.4800	3.1008	1.8074	1.2934	3.0170	1.9370	1.0800
56	IN126M	2.10000D+00	8.2100	4.1259	3.4662	0.6597	4.8710	2.7740	2.0970
57	IN126	1.53000D+00	8.0600	4.9940	2.4682	2.5257	4.7610	2.7350	2.0260
58	IN127M	3.76000D+00	6.6500	3.2214	2.7947	0.4267	3.9180	2.1910	1.7270
59	IN127	1.30000D+00	6.4900	3.6940	2.1763	1.5177	3.6950	2.2520	1.4430
60	IN128M	5.60000D+00	9.3900	6.4546	2.4914	3.9631	6.1910	2.6340	3.5570
61	IN128	8.40000D-01	9.3100	6.5181	3.3628	3.1553	5.6820	3.0490	2.6330
62	IN129M	2.50000D+00	7.8000	3.4898	3.2930	0.1968	5.1020	2.1550	2.9470
63	IN129	9.90000D-01	7.6000	4.2678	2.4574	1.8104	4.4490	2.5880	1.8610
64	IN130	5.76000D-01	9.4000	5.3684	3.1277	2.2406	5.7560	3.0630	2.6930
65	IN131	2.70000D-01	8.0000	4.2296	2.2892	1.9404	4.7240	2.7070	2.0170
66	SN131M	6.10000D+01	5.0500	2.8014	1.1688	1.6326	3.4890	1.0980	2.3910
67	IN132	1.30000D-01	9.8000	7.0172	2.2392	4.7779	6.0560	3.1580	2.8980
68	SB132	1.68000D+02	5.6000	3.7719	1.1976	2.5743	3.9250	1.1970	2.7280
69	SN133	1.47000D+00	7.2400	3.4845	3.0993	0.3852	4.2710	2.4100	1.8610
70	SB134M	1.04000D+01	8.4000	5.1622	3.1359	2.0262	5.5560	2.2840	3.2720
71	SB134	8.50000D-01	8.4000	3.8441	3.8441	0.0000	5.0370	2.7810	2.2560
72	TE135	1.92000D+01	6.2000	3.1299	2.4439	0.6859	4.1520	1.5320	2.6200
73	I 136M	4.48000D+01	7.0000	4.3073	2.3052	2.0021	4.7020	1.7600	2.9420
74	I 136	8.51000D+01	7.0000	4.5202	2.0542	2.4660	4.7020	1.7600	2.9420
75	I 137	2.45000D+01	5.5000	2.7211	1.9721	0.7490	3.7320	1.2720	2.4600
76	CS138M	1.74000D+02	5.4200	0.9285	0.4014	0.5272	1.0140	0.2800	0.7340
77	CS138	1.93200D+03	5.3400	3.5789	1.2474	2.3314	3.7690	1.0890	2.6800
78	XE139	3.95000D+01	5.0200	2.6201	1.7350	0.8851	3.2410	1.0020	2.2390
79	CS140	6.37000D+01	6.1700	3.9679	1.7518	2.2161	4.2200	1.4290	2.7910
80	XE141	1.73000D+00	6.1500	3.4004	2.3649	1.0355	3.5370	2.0480	1.4890
81	CS141	2.49000D+01	5.1900	2.7557	2.0887	0.6669	3.4110	1.2760	2.1350
82	XE142	1.24000D+00	5.0400	3.0388	1.8468	1.1920	2.7350	1.7580	0.9770
83	CS142	1.71000D+00	7.2800	6.4356	2.6237	3.8119	4.2360	2.4490	1.7870
84	LA144	4.21000D+01	5.5000	3.1013	1.7875	1.3138	3.4290	1.3380	2.0910
85	LA146	8.50000D+00	6.3000	3.1771	2.4593	0.7178	3.5270	2.1820	1.3450
86	LA148	1.29000D+00	6.3000	3.6185	2.7429	0.8756	3.5360	2.1750	1.3610
87	PR150	6.20000D+00	5.7000	2.5743	2.3121	0.2622	3.0930	2.0170	1.0760

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