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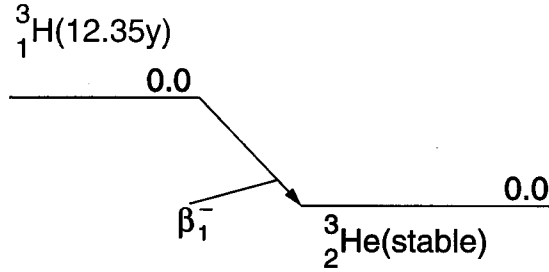
Characteristics of Some Medically Important Radionuclides

The figures show nuclear decay scheme diagrams using the conventions described in Chapter 3, Section C. In the tables accompanying the decay diagrams, the first column is the type of radiation emitted, $y(i)$ is the frequency of the i^{th} emission per nuclear decay in Bq/sec, $E(i)$ is the corresponding transition energy for the emission in MeV (given as the average energy for beta decay), and $y(i) \times E(i)$ is the average energy emitted per decay. (Figures from ICRP Publication No. 38, Radionuclide Transformations: Energy and Intensity of Emissions. In Annals of the ICRP [International Commission on Radiological Protection]. Oxford, Pergamon Press, 1983.)

Legend for radiation listed in decay tables:

γ	gamma ray
β^-	beta-minus particle
β^+	beta-plus particle
γ_{\pm}	annihilation photons
ce-K, ce-L, etc.	Internal conversion electrons ejected from the K, L, etc. ... shell (Chapter 3, Section E)
Auger-XXX	Auger electrons (see Chapter 2, Section C.3 for explanation of notation).
K_{α} , K_{β} etc. , x ray	characteristic x rays (see Chapter 2, Table 2-1 for notation)

Hydrogen-3

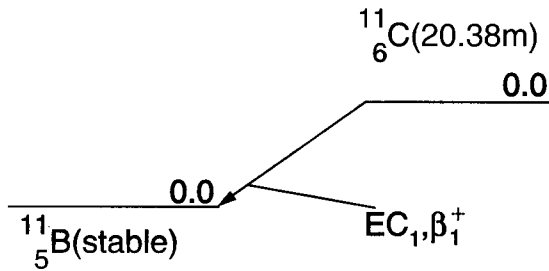


HALF LIFE = 12.35 YEARS
 DECAY MODE(S): β^-

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
β^- 1	1.00E 00	5.683E-03*	5.68E-03
LISTED β , ce AND Auger RADIATIONS			5.68E-03
LISTED RADIATIONS			5.68E-03

*AVERAGE ENERGY (MeV)
 HELIUM-3 DAUGHTER IS STABLE.

Carbon-11

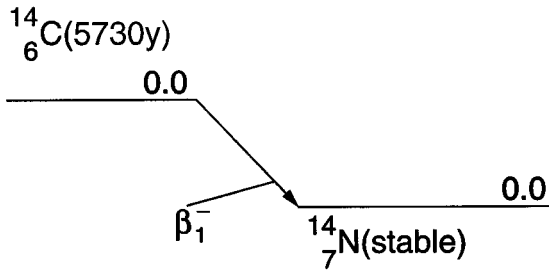


HALF LIFE = 20.38 MINUTES
 DECAY MODE(S): EC, β^+

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
β^+ 1	9.98E-01	3.855E-01*	3.85E-01
γ_{\pm}	2.00E 00	5.110E-01	1.02E 00
K α_1 X-ray	1.62E-06	1.833E-04	2.97E-10
K α_2 X-ray	8.10E-07	1.833E-04	1.48E-10
LISTED X, γ AND γ_{\pm} RADIATIONS			1.02E 00
LISTED β , ce AND Auger RADIATIONS			3.85E-01
LISTED RADIATIONS			1.40E 00

*AVERAGE ENERGY (MeV)
 BORON-11 DAUGHTER IS STABLE.

Carbon-14



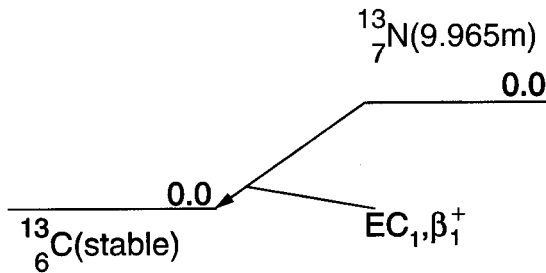
HALF LIFE = 5730 YEARS

DECAY MODE(S): β^-

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
β^- 1	1.00E 00	4.945E-02*	4.95E-02
LISTED β , α AND Auger RADIATIONS			4.95E-02
LISTED RADIATIONS			4.95E-02

*AVERAGE ENERGY (MeV)
NITROGEN-14 DAUGHTER IS STABLE.

Nitrogen-13



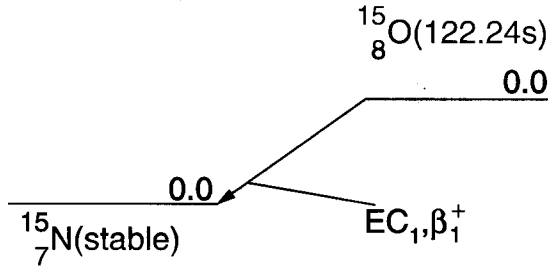
HALF LIFE = 9.965 MINUTES

DECAY MODE(S): EC, β^+

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
β^+ 1	9.98E-01	4.918E-01*	4.91E-01
γ_{\pm}	2.00E 00	5.110E-01	1.02E 00
$K\alpha_1$ X-ray	2.38E-06	2.774E-04	6.59E-10
$K\alpha_2$ X-ray	1.19E-06	2.774E-04	3.30E-10
Auger-KLL	1.80E-03	2.564E-04*	4.61E-07
LISTED X, γ AND γ_{\pm} RADIATIONS			1.02E 00
LISTED β , α AND Auger RADIATIONS			4.91E-01
LISTED RADIATIONS			1.51E 00

*AVERAGE ENERGY (MeV)
CARBON-13 DAUGHTER IS STABLE.

Oxygen-15

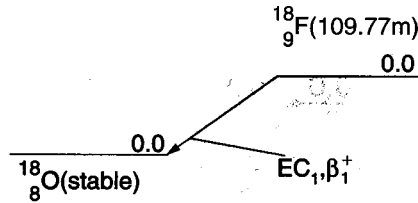


HALF LIFE = 122.24 SECONDS
 DECAY MODE(S): EC, β^+

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
β^+ 1	9.99E-01	7.353E-01*	7.34E-01
γ_{\pm}	2.00E 00	5.110E-01	1.02E 00
K α_1 X-ray	2.65E-06	3.924E-04	1.04E-09
K α_2 X-ray	1.32E-06	3.924E-04	5.19E-10
Auger-KLL	1.13E-03	3.684E-04*	4.15E-07
LISTED X, γ AND γ_{\pm} RADIATIONS			1.02E 00
LISTED β , ce AND Auger RADIATIONS			7.34E-01
LISTED RADIATIONS			1.76E 00

*AVERAGE ENERGY (MeV)
 NITROGEN-15 DAUGHTER IS STABLE.

Fluorine-18

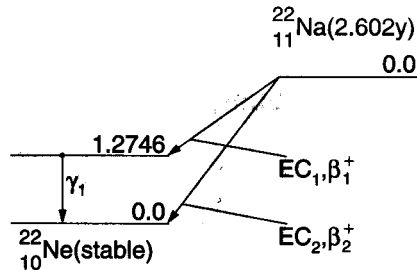


HALF LIFE = 109.77 MINUTES
 DECAY MODE(S): EC, β^+

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
$\beta^+ 1$	9.67E-01	2.498E-01*	2.42E-01
γ_{\pm}	1.93E 00	5.110E-01	9.86E-01
LISTED X, γ AND γ_{\pm} RADIATIONS			1.02E 00
LISTED β , ce AND Auger RADIATIONS			2.50E-01
LISTED RADIATIONS			1.27E 00

*AVERAGE ENERGY (MeV)
 OXYGEN-18 DAUGHTER IS STABLE.

Sodium-22

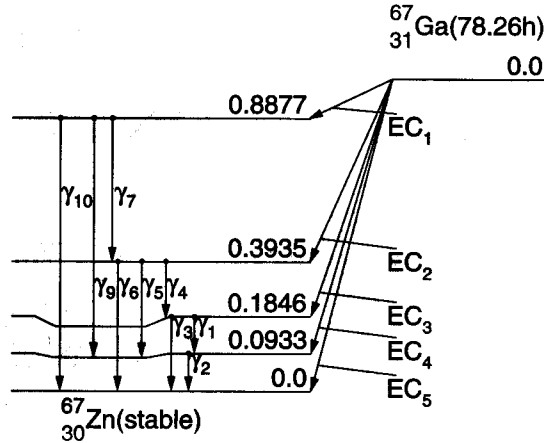


HALF LIFE = 2.602 YEARS
 DECAY MODE(S): EC, β^+

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
$\beta^+ 1$	8.98E-01	2.154E-01*	1.94E-01
$\beta^+ 2$	6.00E-04	8.350E-01*	5.01E-04
γ_{\pm}	1.80E 00	5.110E-01	9.19E-01
$\gamma 1$	9.99E-01	1.275E 00	1.27E 00
ce-K, $\gamma 1$	6.43E-06	1.274E 00	8.19E-06
ce-L ₁ , $\gamma 1$	3.77E-07	1.274E 00	4.81E-07
ce-L ₂ , $\gamma 1$	2.07E-10	1.275E 00	2.64E-10
ce-L ₃ , $\gamma 1$	3.40E-10	1.275E 00	4.33E-10
K α_1 X-ray	9.42E-04	8.486E-04	7.99E-07
K α_2 X-ray	4.72E-04	8.486E-04	4.01E-07
K α_3 X-ray	1.19E-12	8.219E-04	9.76E-16
Auger-KLL	9.96E-02	8.006E-04*	7.97E-05
LISTED X, γ AND γ_{\pm} RADIATIONS			2.19E 00
LISTED β , ce AND Auger RADIATIONS			1.94E-01
LISTED RADIATIONS			2.39E 00

*AVERAGE ENERGY (MeV)
 NEON-22 DAUGHTER IS STABLE.

Gallium-67

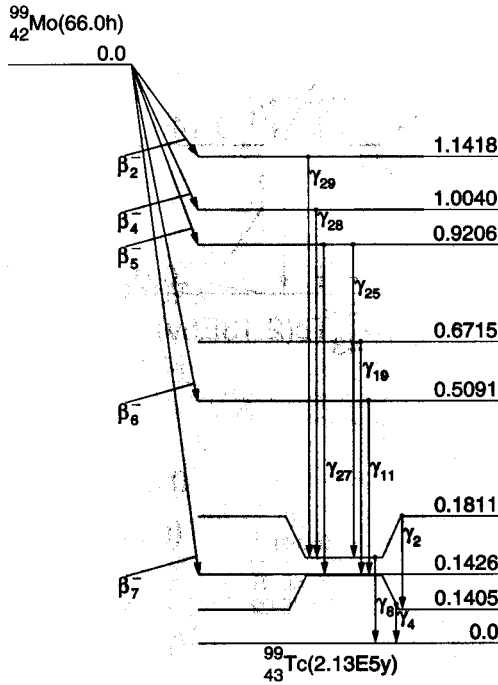


HALF LIFE = 78.26 HOURS
 DECAY MODE(S): EC

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
γ 1	3.07E-02	9.127E-02	2.80E-03
ce-K, γ 1	2.23E-03	8.161E-02	1.82E-04
γ 2	3.83E-01	9.331E-02	3.57E-02
ce-K, γ 2	2.87E-01	8.365E-02	2.40E-02
ce-L ₁ , γ 2	2.54E-02	9.212E-02	2.34E-03
ce-L ₂ , γ 2	3.98E-03	9.227E-02	3.67E-04
ce-L ₃ , γ 2	5.81E-03	9.229E-02	5.36E-04
ce-M, γ 2	5.17E-03	9.322E-02*	4.82E-04
γ 3	2.09E-01	1.846E-01	3.87E-02
ce-K, γ 3	4.07E-03	1.749E-01	7.11E-04
ce-L ₁ , γ 3	3.87E-04	1.834E-01	7.11E-05
γ 4	2.37E-02	2.090E-01	4.94E-03
ce-K, γ 4	1.90E-04	1.993E-01	3.79E-05
γ 5	1.68E-01	3.002E-01	5.04E-02
ce-K, γ 5	5.83E-04	2.906E-01	1.69E-04
γ 6	4.70E-02	3.935E-01	1.85E-02
γ 7	6.86E-04	4.942E-01	3.39E-04
γ 9	5.13E-04	7.944E-01	4.08E-04
γ 10	1.45E-03	8.877E-01	1.29E-03
K α ₁ X-ray	3.28E-01	8.639E-03	2.83E-03
K α ₂ X-ray	1.67E-01	8.616E-03	1.44E-03
K β ₁ X-ray	4.49E-02	9.572E-03	4.30E-04
K β ₃ X-ray	2.30E-02	9.572E-03	2.20E-04
Auger-KLL	4.67E-01	7.466E-03*	3.49E-03
Auger-KLX	1.33E-01	8.482E-03*	1.12E-03
Auger-KXY	1.31E-02	9.473E-03*	1.24E-04
Auger-LMM	1.55E 00	9.444E-04*	1.46E-03
Auger-LMX	1.43E-01	1.020E-03*	1.46E-04
Auger-MXY	3.49E 00	4.566E-05*	1.60E-04
LISTED X, γ AND γ ± RADIATIONS			1.58E-01
OMITTED X, γ AND γ ± RADIATIONS**			8.52E-05
LISTED β , ce AND Auger RADIATIONS			3.54E-02
OMITTED β , ce AND Auger RADIATIONS**			1.04E-04
LISTED RADIATIONS			1.93E-01
OMITTED RADIATIONS**			1.89E-04

*AVERAGE ENERGY (MeV)
 **EACH OMITTED TRANSITION CONTRIBUTES <0.100% TO $\Sigma\gamma(I) \times E(I)$ IN ITS CATEGORY.
 ZINC-67 DAUGHTER IS STABLE.

Molybdenum-99



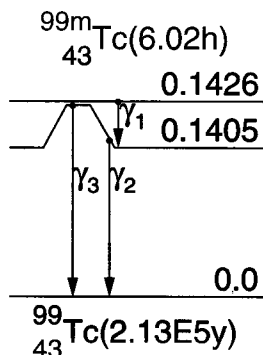
HALF LIFE = 66 HOURS
 DECAY MODE(S): β⁻

RADIATION	y(I) (Bq-s) ⁻¹	E(I) (MeV)	y(I) × E(I)
β ⁻ 5	1.66E-01	1.330E-01*	2.20E-02
β ⁻ 6	1.17E-02	2.895E-01*	3.39E-03
β ⁻ 7	8.20E-01	4.426E-01*	3.63E-01
γ 2	1.16E-02	4.059E-02	4.69E-04
ce-K, γ 2	3.77E-02	1.954E-02	7.38E-04
γ 4	4.95E-02	1.405E-01	6.95E-03
ce-K, γ 4	4.89E-03	1.194E-01	5.84E-04
γ 8	6.06E-02	1.811E-01	1.10E-02
ce-K, γ 8	7.62E-03	1.600E-01	1.22E-03
γ 11	1.19E-02	3.664E-01	4.37E-03
γ 19	5.45E-04	5.288E-01	2.88E-04
γ 24	2.60E-04	6.218E-01	1.61E-04
γ 25	1.22E-01	7.395E-01	9.02E-02
γ 27	4.32E-02	7.779E-01	3.36E-02
γ 28	1.33E-03	8.230E-01	1.09E-03
γ 29	9.76E-04	9.608E-01	9.37E-04
Kα ₁ X-ray	2.15E-02	1.837E-02	3.95E-04
Kα ₂ X-ray	1.13E-02	1.825E-02	2.06E-04

LISTED X, γ AND γ± RADIATIONS 1.50E-01
 OMITTED X, γ AND γ± RADIATIONS** 4.87E-04
 LISTED β, ce AND Auger RADIATIONS 3.91E-01
 OMITTED β, ce AND Auger RADIATIONS** 1.33E-03
 LISTED RADIATIONS 5.41E-01
 OMITTED RADIATIONS** 1.82E-03

*AVERAGE ENERGY (MeV)
 **EACH OMITTED TRANSITION CONTRIBUTES <0.100% TO Σy(i) × E(i) IN ITS CATEGORY.
 TECHNETIUM-99M DAUGHTER, YIELD 8.76E-01, IS RADIOACTIVE.
 TECHNETIUM-99 DAUGHTER, YIELD 1.24E-01, IS RADIOACTIVE.

Technetium-99m



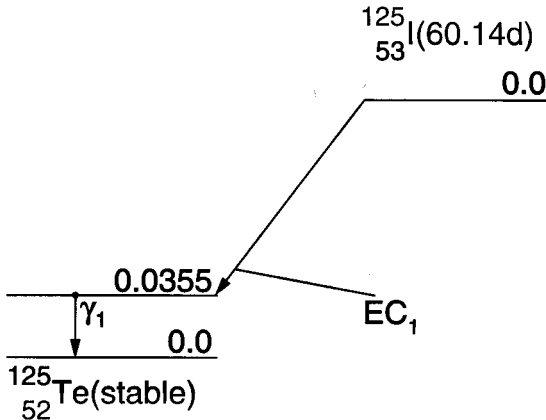
HALF LIFE = 6.02 HOURS
 DECAY MODE(S): IT

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
ce-M, γ 1	9.14E-01	1.749E-03*	1.60E-03
ce-N ⁺ , γ 1	7.57E-02	2.174E-03*	1.65E-04
γ 2	8.89E-01	1.405E-01	1.25E-01
ce-K, γ 2	8.79E-02	1.194E-01	1.05E-02
ce-L ₁ , γ 2	9.67E-03	1.374E-01	1.33E-03
ce-L ₂ , γ 2	6.10E-04	1.377E-01	8.40E-05
ce-L ₃ , γ 2	3.01E-04	1.378E-01	4.15E-05
ce-M, γ 2	1.92E-03	1.400E-01*	2.70E-04
ce-N ⁺ , γ 2	3.71E-04	1.405E-01*	5.21E-05
ce-K, γ 3	6.91E-03	1.216E-01	8.41E-04
ce-L ₁ , γ 3	1.17E-03	1.396E-01	1.63E-04
ce-L ₂ , γ 3	2.43E-04	1.399E-01	3.39E-05
ce-L ₃ , γ 3	7.40E-04	1.400E-01	1.04E-04
ce-M, γ 3	4.19E-04	1.422E-01*	5.97E-05
K α ₁ X-ray	4.03E-02	1.837E-02	7.39E-04
K α ₂ X-ray	2.12E-02	1.825E-02	3.86E-04
K β ₁ X-ray	6.88E-03	2.062E-02	1.42E-04
Auger-KLL	1.45E-02	1.535E-02*	2.23E-04
Auger-KLX	5.76E-03	1.777E-02*	1.02E-04
Auger-LMM	7.10E-02	2.053E-03*	1.46E-04
Auger-LMX	3.05E-02	2.468E-03*	7.53E-05
Auger-MXY	1.11E 00	4.090E-04*	4.54E-04
LISTED X, γ AND γ_{\pm} RADIATIONS			1.26E-01
OMITTED X, γ AND γ_{\pm} RADIATIONS**			1.58E-04
LISTED β , ce AND Auger RADIATIONS			1.62E-02
OMITTED β , ce AND Auger RADIATIONS**			3.88E-05
LISTED RADIATIONS			1.42E-01
OMITTED RADIATIONS**			1.96E-04

*AVERAGE ENERGY (MeV)

**EACH OMITTED TRANSITION CONTRIBUTES <0.100% TO $\Sigma\gamma(I) \times E(I)$ IN ITS CATEGORY.
 TECHNETIUM-99 DAUGHTER IS RADIOACTIVE.

Iodine-125



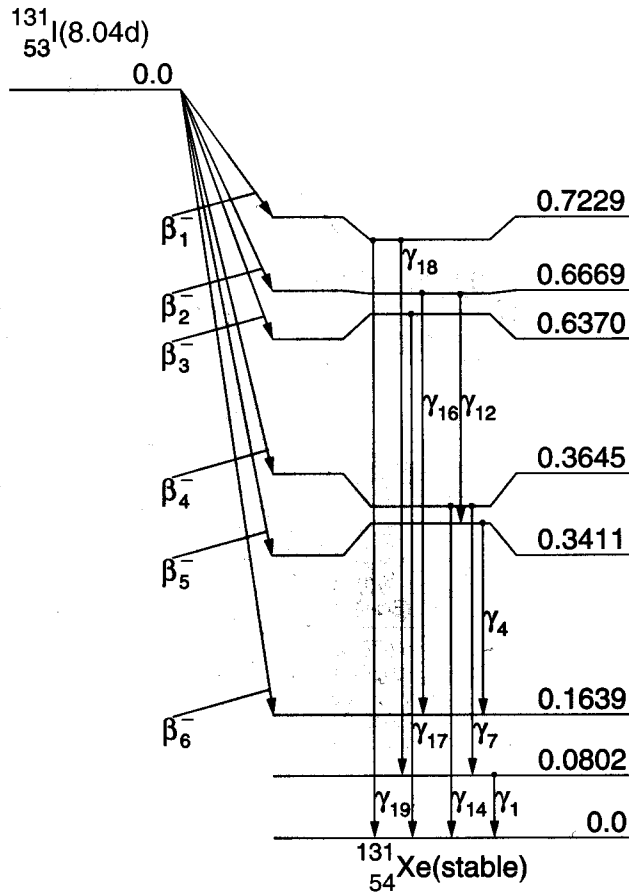
HALF LIFE = 60.14 DAYS
 DECAY MODE(S): EC

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
γ 1	6.67E-02	3.549E-02	2.37E-03
ce-K, γ 1	8.03E-01	3.678E-03	2.95E-03
ce-L ₁ , γ 1	9.52E-02	3.055E-02	2.91E-03
ce-L ₂ , γ 1	7.64E-03	3.088E-02	2.36E-04
ce-L ₃ , γ 1	1.91E-03	3.115E-02	5.96E-05
ce-M, γ 1	2.09E-02	3.467E-02*	7.25E-04
ce-N ⁺ , γ 1	4.96E-03	3.549E-02*	1.76E-04
K α ₁ X-ray	7.41E-01	2.747E-02	2.04E-02
K α ₂ X-ray	3.98E-01	2.720E-02	1.08E-02
K β ₁ X-ray	1.40E-01	3.100E-02	4.34E-03
K β ₂ X-ray	4.30E-02	3.171E-02	1.36E-03
K β ₃ X-ray	7.20E-02	3.094E-02	2.23E-03
K β ₅ X-ray	1.44E-03	3.124E-02	4.51E-05
L α X-ray	6.14E-02	3.768E-03*	2.31E-04
L β X-ray	5.93E-02	4.092E-03*	2.43E-04
Auger-KLL	1.32E-01	2.254E-02*	2.97E-03
Auger-KLX	5.97E-02	2.635E-02*	1.57E-03
Auger-KXY	7.95E-03	3.013E-02*	2.40E-04
Auger-LMM	1.01E 00	3.086E-03*	3.11E-03
Auger-LMX	5.17E-01	3.855E-03*	1.99E-03
Auger-LXY	7.33E-02	4.386E-03*	3.21E-04
Auger-MXY	2.99E 00	6.989E-04*	2.09E-03
ΔE	6.22E-01	5.577E-05*	3.47E-05
LISTED X, γ AND $\gamma \pm$ RADIATIONS			4.20E-02
OMITTED X, γ AND $\gamma \pm$ RADIATIONS**			4.58E-05
LISTED β , ce AND Auger RADIATIONS			1.94E-02
LISTED RADIATIONS			6.14E-02
OMITTED RADIATIONS**			4.58E-05

*AVERAGE ENERGY (MeV)

**EACH OMITTED TRANSITION CONTRIBUTES <0.100% TO $\Sigma \gamma(I) \times E(I)$ IN ITS CATEGORY. TELLURIUM-125 DAUGHTER IS STABLE.

Iodine-131



HALF LIFE = 8.04 DAYS
 DECAY MODE(S): β^-

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
$\beta^- 1$	2.13E-02	6.935E-02*	1.48E-03
$\beta^- 2$	6.20E-03	8.693E-02*	5.39E-04
$\beta^- 3$	7.36E-02	9.660E-02*	7.11E-03
$\beta^- 4$	8.94E-01	1.915E-01*	1.71E-01
$\beta^- 6$	4.20E-03	2.832E-01*	1.19E-03
$\gamma 1$	2.62E-02	8.018E-02	2.10E-03
ce-K, $\gamma 1$	3.63E-02	4.562E-02	1.66E-03
ce-L ₁ , $\gamma 1$	4.30E-03	7.473E-02	3.21E-04
$\gamma 4$	2.65E-03	1.772E-01	4.70E-04
$\gamma 7$	6.06E-02	2.843E-01	1.72E-02
ce-K, $\gamma 7$	2.48E-03	2.497E-01	6.20E-04
$\gamma 12$	2.51E-03	3.258E-01	8.18E-04
$\gamma 14$	8.12E-01	3.645E-01	2.96E-01

(continued)

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
ce-K, γ 14	1.55E-02	3.299E-01	5.10E-03
ce-L ₁ , γ 14	1.71E-03	3.590E-01	6.13E-04
γ 16	3.61E-03	5.030E-01	1.82E-03
γ 17	7.27E-02	6.370E-01	4.63E-02
γ 18	2.20E-03	6.427E-01	1.41E-03
γ 19	1.80E-02	7.229E-01	1.30E-02
K α_1 X-ray	2.59E-02	2.978E-02	7.72E-04
K α_2 X-ray	1.40E-02	2.946E-02	4.12E-04
LISTED X, γ AND γ_{\pm} RADIATIONS			3.80E-01
OMITTED X, γ AND γ_{\pm} RADIATIONS**			1.09E-03
LISTED β , ce AND Auger RADIATIONS			1.90E-01
OMITTED β , ce AND Auger RADIATIONS**			1.86E-03
LISTED RADIATIONS			5.70E-01
OMITTED RADIATIONS**			2.95E-03

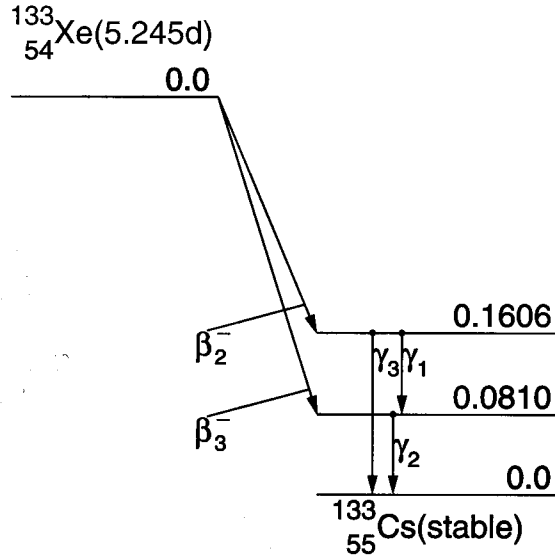
*AVERAGE ENERGY (MeV)

**EACH OMITTED TRANSITION CONTRIBUTES <0.100% TO $\Sigma\gamma(I) \times E(I)$ IN ITS CATEGORY.

XENON-131M DAUGHTER, YIELD 1.11E-02, IS RADIOACTIVE.

XENON-131 DAUGHTER, YIELD 9.889E-01, IS STABLE.

Xenon-133



HALF LIFE = 5.245 DAYS
 DECAY MODE(S): β^-

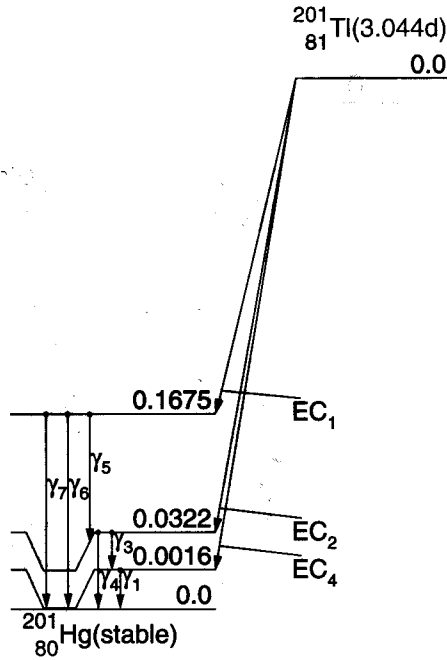
RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
$\beta^- 2$	6.60E-03	7.502E-02*	4.95E-04
$\beta^- 3$	9.93E-01	1.005E-01*	9.98E-02
$\gamma 1$	2.11E-03	7.962E-02	1.68E-04
ce-K, $\gamma 1$	3.17E-03	4.364E-02	1.38E-04
$\gamma 2$	3.74E-01	8.100E-02	3.03E-02
ce-K, $\gamma 2$	5.35E-01	4.501E-02	2.41E-02
ce-L ₁ , $\gamma 2$	6.52E-02	7.528E-02	4.91E-03
ce-L ₂ , $\gamma 2$	4.91E-03	7.564E-02	3.72E-04
ce-M, $\gamma 2$	1.45E-02	8.000E-02*	1.16E-03
ce-N ⁺ , $\gamma 2$	3.80E-03	8.100E-02*	3.08E-04
$\gamma 3$	6.20E-04	1.606E-01	9.96E-05
K α_1 X-ray	2.53E-01	3.097E-02	7.85E-03
K α_2 X-ray	1.37E-01	3.063E-02	4.20E-03
K β_1 X-ray	4.89E-02	3.499E-02	1.71E-03
K β_2 X-ray	1.70E-02	3.584E-02	6.08E-04
K β_3 X-ray	2.52E-02	3.492E-02	8.80E-04
L α X-ray	2.44E-02	4.285E-03*	1.04E-04
L β X-ray	2.32E-02	4.694E-03*	1.09E-04
Auger-KLL	3.69E-02	2.524E-02*	9.31E-04
Auger-KLX	1.73E-02	2.961E-02*	5.12E-04
Auger-LMM	3.03E-01	3.441E-03*	1.04E-03
Auger-LMX	1.72E-01	4.344E-03*	7.45E-04
Auger-MXY	9.33E-01	8.695E-04*	8.11E-04

LISTED X, γ AND $\gamma \pm$ RADIATIONS	4.60E-02
OMITTED X, γ AND $\gamma \pm$ RADIATIONS**	6.66E-05
LISTED β , ce AND Auger RADIATIONS	1.35E-01
OMITTED β , ce AND Auger RADIATIONS**	3.82E-04
LISTED RADIATIONS	1.81E-01
OMITTED RADIATIONS**	4.49E-04

*AVERAGE ENERGY (MeV)

**EACH OMITTED TRANSITION CONTRIBUTES <0.100% TO $\Sigma \gamma(I) \times E(I)$ IN ITS CATEGORY.
 CESIUM-133 DAUGHTER IS STABLE.

Thallium-201



HALF LIFE = 3.044 DAYS
DECAY MODE(S): EC

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
ce-N ⁺ , γ 1	6.10E-01	1.570E-03*	9.58E-04
ce-L ₁ , γ 3	7.30E-02	1.576E-02	1.15E-03
ce-L ₂ , γ 3	7.55E-03	1.639E-02	1.24E-04
ce-M, γ 3	1.90E-02	2.775E-02*	5.27E-04
ce-N ⁺ , γ 3	6.78E-03	3.060E-02*	2.07E-04
ce-L ₁ , γ 4	6.28E-02	1.735E-02	1.09E-03
ce-L ₂ , γ 4	6.53E-03	1.798E-02	1.17E-04
ce-M, γ 4	1.63E-02	2.934E-02*	4.80E-04
ce-N ⁺ , γ 4	5.74E-03	3.219E-02*	1.85E-04
γ 5	2.65E-02	1.353E-01	3.59E-03
ce-K, γ 5	7.47E-02	5.224E-02	3.90E-03
ce-L ₁ , γ 5	1.14E-02	1.205E-01	1.37E-03
ce-L ₂ , γ 5	1.20E-03	1.211E-01	1.45E-04
ce-M, γ 5	2.97E-03	1.325E-01*	3.93E-04
ce-N ⁺ , γ 5	9.58E-04	1.353E-01*	1.30E-04
γ 6	1.60E-03	1.659E-01	2.65E-04
ce-K, γ 6	2.26E-03	8.278E-02	1.87E-04
ce-L ₁ , γ 6	3.42E-04	1.510E-01	5.16E-05
γ 7	1.00E-01	1.674E-01	1.67E-02
ce-K, γ 7	1.54E-01	8.433E-02	1.30E-02
ce-L ₁ , γ 7	2.35E-02	1.526E-01	3.58E-03

(continued)

RADIATION	$\gamma(I)$ (Bq-s) ⁻¹	E(I) (MeV)	$\gamma(I) \times E(I)$
ce-L ₂ , γ 7	2.48E-03	1.532E-01	3.80E-04
ce-L ₃ , γ 7	2.80E-04	1.551E-01	4.35E-05
ce-M, γ 7	6.10E-03	1.646E-01*	1.00E-03
ce-N ⁺ , γ 7	1.96E-03	1.674E-01*	3.29E-04
K α_1 X-ray	4.62E-01	7.082E-02	3.27E-02
K α_2 X-ray	2.72E-01	6.889E-02	1.87E-02
K β_1 X-ray	1.05E-01	8.026E-02	8.45E-03
K β_2 X-ray	4.43E-02	8.258E-02	3.66E-03
K β_3 X-ray	5.48E-02	7.982E-02	4.37E-03
K β_5 X-ray	2.88E-03	8.077E-02	2.33E-04
L α X-ray	1.90E-01	9.980E-03*	1.90E-03
L β X-ray	1.82E-01	1.185E-02*	2.15E-03
L γ X-ray	3.40E-02	1.397E-02*	4.75E-04
Auger-KLL	2.01E-02	5.526E-02*	1.11E-03
Auger-KLX	1.12E-02	6.652E-02*	7.45E-04
Auger-KXY	1.80E-03	7.733E-02*	1.39E-04
Auger-LMM	4.30E-01	7.753E-03*	3.34E-03
Auger-LMX	2.78E-01	1.022E-02*	2.84E-03
Auger-LXY	4.63E-02	1.214E-02*	5.62E-04
Auger-MXY	1.74E 00	2.673E-03*	4.66E-03
ΔE	1.05E 00	5.204E-04*	5.45E-04
LISTED X, γ AND $\gamma \pm$ RADIATIONS			9.32E-02
OMITTED X, γ AND $\gamma \pm$ RADIATIONS**			2.52E-04
LISTED β , ce AND Auger RADIATIONS			4.33E-02
OMITTED β , ce AND Auger RADIATIONS**			1.16E-04
LISTED RADIATIONS			1.37E-01
OMITTED RADIATIONS**			3.68E-04

*AVERAGE ENERGY (MeV)

**EACH OMITTED TRANSITION CONTRIBUTES <0.100% TO $\Sigma\gamma(I) \times E(I)$ IN ITS CATEGORY.
MERCURY-201 DAUGHTER IS STABLE.