Table II. Influences on primary nuclei

EXPLANATION OF TABLE

This table gives for each of the 847 primary nuclei the up to three most important contributing data and their *influences* ($\times 100$) on its mass, as given by the flow-of-information matrix.

Nucleus	Nucleus (primaries only)		
Influence	*Influence* ($\times 100$) brought to the determination of the mass of the nucleus, by the piece of data represented by the equation in following column		
Equation	In mass-doublet equation:	In mass-triplet equation:	In nuclear reaction:
	$H = {}^{1}H$, $N = {}^{14}N$,	Rb^{x}, Rb^{y}: different	K^{m}, Cs^{m}, Cs^{n}:
	$D = {}^{2}H$, $O = {}^{16}O$,	mixtures of isomers	upper isomers,
	$C = {}^{12}C$.	or contaminants.	see NUBASE.

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
$0\pi^+$	100.0	π^+				
$0\pi^-$	99.6	$\pi^+(2\beta^+)\pi^-$				
1 n	100.0	^{1}H(n,γ)^{2}H				
^{1}H	77.9	$H_{12}-C$	17.8	$C\ H_4-O$	2.8	$C\ H_2-N$
^{2}H	61.3	D_6-C	24.2	$C_2\ D_8-{}^{40}$Ar	10.0	$C\ D_4-{}^{20}$Ne
^{3}H	72.7	$^{3}H_4-C$	27.3	^{3}H(β^-)^{3}He		
^{3}He	67.7	^{3}H(β^-)^{3}He	24.0	$^{3}He_4-C$	8.3	$H\ D-{}^{3}$He
^{4}He	100.0	$^{4}He_3-C$				
^{6}He	99.8	^{7}Li(d,^{3}He)^{6}He$-{}^{19}$F()^{18}O	0.2	^{144}Sm(^{3}He,^{6}He)^{141}Sm		
^{6}Li	100.0	$^{6}Li_2-C$				
^{7}Li	100.0	^{6}Li(n,γ)^{7}Li				
^{7}Be	100.0	^{7}Li(p,n)^{7}Be				
^{8}He	94.4	^{4}He(^{64}Ni,^{60}Ni)^{8}He	5.1	^{197}Au(α,^{8}He)^{193}Au	0.4	^{9}He(γ,n)^{8}He
^{8}Li	100.0	^{7}Li(n,γ)^{8}Li				
^{8}Be	99.9	^{8}Be(α)^{4}He	0.1	^{9}Be(γ,n)^{8}Be		
^{8}B	100.0	^{6}Li(^{3}He,n)^{8}B				
^{9}He	91.3	^{9}He(γ,n)^{8}He	8.7	^{9}Be(^{14}C,^{14}O)^{9}He		
^{9}Li	58.4	^{10}Be(d,^{3}He)^{9}Li	41.6	^{7}Li(t,p)^{9}Li		
^{9}Be	88.0	^{9}Be(γ,n)^{8}Be	11.0	^{6}Li(α,p)^{9}Be	1.0	^{9}Be(n,γ)^{10}Be
^{10}Be	98.9	^{9}Be(n,γ)^{10}Be	1.1	^{10}Be(d,^{3}He)^{9}Li		
^{10}B	100.0	^{10}B(α,d)^{12}C				
^{11}Li	54.7	$^{11}Li-C_{.917}$	45.3	^{11}B(π^-,π^+)^{11}Li		
^{11}B	100.0	^{10}B(n,γ)^{11}B				
^{11}C	100.0	^{11}C(β^+)^{11}B				
^{12}N	100.0	^{14}N(p,t)^{12}N				
^{13}C	57.5	$C\ D-{}^{13}C\ H$	36.8	$C\ D-{}^{13}C\ H$	5.7	$^{13}C-C_{1.083}$
^{13}N	100.0	^{12}C(p,γ)^{13}N				
^{14}B	100.0	^{14}C(^{7}Li,^{7}Be)^{14}B				
^{14}C	79.9	$^{14}C\ H_2-N\ D$	20.1	$C\ D_2-{}^{14}C\ H_2$		
^{14}N	56.2	$C\ H_2-N$	31.6	$N_2-C\ O$	11.9	$^{14}N-C_{1.167}$
^{14}O	57.9	^{26}Mg(^{3}He,t)^{26}Al$-{}^{14}$N()^{14}O	42.1	^{14}N(p,n)^{14}O		
^{15}N	67.4	$C\ D\ H-{}^{15}N$	17.6	$C\ H_3-{}^{15}N$	15.0	$^{15}N_2-{}^{28}Si\ H_2$
^{15}O	100.0	^{15}N(p,n)^{15}O				
^{16}O	97.3	C_4-O_3	2.3	$C\ H_4-O$	0.3	$N_2-C\ O$
^{17}O	99.5	^{16}O(n,γ)^{17}O	0.2	^{17}O(p,γ)^{18}F	0.2	^{17}O(n,γ)^{18}O
^{17}F	100.0	^{16}O(p,γ)^{17}F				
^{18}O	45.2	^{18}F(β^+)^{18}O	37.5	^{17}O(n,γ)^{18}O	17.1	^{18}O(^{3}He,p)^{20}F
^{18}F	76.1	^{17}O(p,γ)^{18}F	23.9	^{18}F(β^+)^{18}O		
^{19}F	98.6	$C\ D_4-H\ {}^{19}F$	1.2	^{19}F(p,n)^{19}Ne	0.2	^{19}F(n,γ)^{20}F
^{19}Ne	72.8	$^{19}Ne-{}^{22}Ne_{.864}$	27.2	^{19}F(p,n)^{19}Ne		
^{20}F	99.8	^{19}F(n,γ)^{20}F	0.2	^{18}O(^{3}He,p)^{20}F		
^{20}Ne	44.0	$^{20}Ne_2-{}^{40}$Ar	34.4	$C\ D_4-{}^{20}$Ne	21.6	$^{20}Ne_2-{}^{40}$Ar
^{22}Ne	99.9	$^{22}Ne-C_{1.833}$	0.1	$^{19}Ne-{}^{22}Ne_{.864}$		
^{23}Na	100.0	$^{23}Na-C_{1.917}$				
^{23}Mg	73.5	^{24}Mg(p,d)^{23}Mg	26.5	^{23}Na(p,n)^{23}Mg		
^{24}Mg	95.9	$^{24}Mg-C_2$	4.1	^{24}Mg(n,γ)^{25}Mg		
^{25}Mg	55.9	^{24}Mg(n,γ)^{25}Mg	39.8	^{25}Mg(n,γ)^{26}Mg	4.3	^{25}Mg(p,γ)^{26}Al
^{26}Mg	75.4	$^{26}Mg-C_{2.167}$	21.5	^{25}Mg(n,γ)^{26}Mg	1.5	^{26}Mg(p,n)^{26}Al
^{26}Al	67.2	^{25}Mg(p,γ)^{26}Al	21.7	^{26}Mg(p,n)^{26}Al	6.9	^{26}Mg(^{3}He,t)^{26}Al$-{}^{14}$N()^{14}O
^{27}Na	88.3	$^{27}Na-{}^{27}Al$	11.7	$^{27}Na-C_{2.25}$		
^{27}Al	83.9	^{27}Al(p,γ)^{28}Si	16.1	^{26}Mg(p,γ)^{27}Al		
^{28}Na	100.0	$^{28}Na-C_{2.333}$				
^{28}Si	57.1	$C_2\ D_2-{}^{28}$Si	42.9	$^{15}N_2-{}^{28}Si\ H_2$		
^{29}Na	100.0	$^{29}Na-C_{2.417}$				
^{31}P	83.5	^{31}P(p,α)^{28}Si	16.5	^{31}P(p,γ)^{32}S		
^{32}S	90.8	^{32}S(n,γ)^{33}S	8.7	^{31}P(p,γ)^{32}S	0.5	$C\ {}^{32}S_2-{}^{74}Ge\ H_2$
^{33}S	87.0	^{33}S(n,γ)^{34}S	8.8	^{32}S(n,γ)^{33}S	4.2	^{33}S(p,γ)^{34}Cl
^{34}S	94.7	^{34}S(n,γ)^{35}S	5.1	^{33}S(n,γ)^{34}S	0.2	^{34}S(^{3}He,t)^{34}Cl
^{34}Cl	87.0	^{33}S(p,γ)^{34}Cl	13.0	^{34}S(^{3}He,t)^{34}Cl		
^{35}S	95.5	^{35}S(β^-)^{35}Cl	4.5	^{34}S(n,γ)^{35}S		
^{35}Cl	62.3	$C_3-{}^{35}Cl\ H$	17.1	$C_5\ H_{10}-{}^{35}Cl_2$	5.9	$^{199}Hg-C_2\ {}^{35}Cl_5$

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{36}S	64.8	^{36}S(p,γ)^{37}Cl	35.2	^{36}S(p,n)^{36}Cl		
^{36}Cl	96.6	^{35}Cl(n,γ)^{36}Cl	3.4	^{36}S(p,n)^{36}Cl		
^{36}Ar	99.4	^{36}Ar$-$C$_3$	0.6	^{39}K$-^{36}$Ar$_{1.083}$		
^{37}Cl	70.9	C$_3$ H$_6$ O$_2-^{37}$Cl$_2$	8.1	C$_5$ H$_{12}-^{35}$Cl ^{37}Cl	7.9	C$_2$ D$_8-^{37}$Cl H$_3$
^{38}Ar	69.2	^{38}Ar$-^{39}$K$_{.974}$	19.4	^{38}Ar(p,γ)^{39}K	11.4	^{37}Cl(p,γ)^{38}Ar
^{38}K	82.5	^{38}K^m(IT)^{38}K	17.5	^{38}Ar(p,n)^{38}K		
^{38}K^m	97.7	^{38}Ar(p,n)^{38}K^m	2.3	^{38}K^m(IT)^{38}K		
^{39}K	47.1	^{39}K$-^{36}$Ar$_{1.083}$	39.6	^{39}K(n,γ)^{40}K	7.4	^{41}K$-^{39}$K$_{1.051}$
^{40}Ar	65.6	C$_3$ H$_4-^{40}$Ar	24.3	C$_2$ D$_8-^{40}$Ar	6.7	^{20}Ne$_2-^{40}$Ar
^{40}K	51.3	^{39}K(n,γ)^{40}K	37.7	^{40}K(n,γ)^{41}K	11.0	^{40}K(n,p)^{40}Ar
^{40}Ca	94.2	^{39}K(p,γ)^{40}Ca	5.8	^{40}Ca(n,γ)^{41}Ca	0.1	^{40}Ca(p,γ)^{41}Sc
^{41}Ar	91.2	^{40}Ar(n,γ)^{41}Ar	8.8	^{41}Ar(β^-)^{41}K		
^{41}K	48.4	^{40}K(n,γ)^{41}K	41.9	^{40}Ar(p,γ)^{41}K	4.7	^{41}K$-^{39}$K$_{1.051}$
^{41}Ca	87.2	^{40}Ca(n,γ)^{41}Ca	10.7	^{41}K(p,n)^{41}Ca	2.0	^{41}Ca(n,γ)^{42}Ca
^{41}Sc	88.0	^{40}Ca(p,γ)^{41}Sc	12.0	^{41}Sc^r(IT)^{41}Sc		
^{41}Sc^r	84.2	^{41}Sc^r(IT)^{41}Sc	15.8	^{41}Ca(p,γ)^{42}Sc$^r-^{40}$Ca()^{41}Sc^r		
^{42}Ca	92.6	^{41}Ca(n,γ)^{42}Ca	4.1	^{42}Ca(^{3}He,t)^{42}Sc$-^{26}$Mg()^{26}Al	2.2	^{42}Ca(n,γ)^{43}Ca
^{42}Sc	71.1	^{42}Sc^r(IT)^{42}Sc	23.0	^{42}Ca(^{3}He,t)^{42}Sc$-^{26}$Mg()^{26}Al	5.9	^{54}Fe(^{3}He,t)^{54}Co$-^{42}$Ca()^{42}Sc
^{42}Sc^r	80.5	^{41}Ca(p,γ)^{42}Sc$^r-^{40}$Ca()^{41}Sc^r	19.5	^{42}Sc^r(IT)^{42}Sc		
^{43}Ca	96.7	^{42}Ca(n,γ)^{43}Ca	3.3	^{43}Ca(n,γ)^{44}Ca		
^{44}Ca	94.7	^{43}Ca(n,γ)^{44}Ca	3.8	^{44}Ca(p,γ)^{45}Sc	1.5	^{44}Ca(n,γ)^{45}Ca
^{45}Ca	97.9	^{44}Ca(n,γ)^{45}Ca	1.9	^{45}Ca(β^-)^{45}Sc	0.2	^{46}Ca(d,t)^{45}Ca
^{45}Sc	42.6	^{44}Ca(p,γ)^{45}Sc	42.2	^{45}Sc(p,γ)^{46}Ti	15.2	^{45}Ca(β^-)^{45}Sc
^{46}Ca	89.8	^{46}Ca(n,γ)^{47}Ca	10.2	^{46}Ca(d,t)^{45}Ca		
^{46}Ti	57.0	^{46}Ti(n,γ)^{47}Ti	40.7	^{45}Sc(p,γ)^{46}Ti	1.3	^{46}Ti ^{37}Cl$-^{48}$Ti ^{35}Cl
^{47}Ca	82.8	^{47}Ca(β^-)^{47}Sc	10.1	^{46}Ca(n,γ)^{47}Ca	7.1	^{48}Ca(d,t)^{47}Ca
^{47}Sc	87.1	^{47}Sc(β^-)^{47}Ti	12.9	^{47}Ca(β^-)^{47}Sc		
^{47}Ti	43.6	^{47}Ti(n,γ)^{48}Ti	36.2	^{46}Ti(n,γ)^{47}Ti	18.5	C ^{35}Cl$-^{47}$Ti
^{48}Ca	45.4	^{48}Ca(p,γ)^{49}Sc	38.2	^{48}Ca(d,t)^{47}Ca	16.3	^{48}Ca(p,n)^{48}Sc
^{48}Sc	58.2	^{48}Sc(β^-)^{48}Ti	41.8	^{48}Ca(p,n)^{48}Sc		
^{48}Ti	56.3	^{47}Ti(n,γ)^{48}Ti	22.1	^{13}C ^{35}Cl$-^{48}$Ti	20.7	^{48}Ti(n,γ)^{49}Ti
^{49}Sc	61.3	^{49}Sc(β^-)^{49}Ti	38.7	^{48}Ca(p,γ)^{49}Sc		
^{49}Ti	79.3	^{48}Ti(n,γ)^{49}Ti	16.0	^{49}Ti(n,γ)^{50}Ti	4.7	^{49}Ti ^{37}Cl$-^{51}$V ^{35}Cl
^{50}Ti	84.0	^{49}Ti(n,γ)^{50}Ti	16.0	^{50}Ti(p,γ)^{51}V		
^{50}Cr	52.0	^{50}Cr(p,γ)^{51}Mn	48.0	^{50}Cr(n,γ)^{51}Cr	0.2	^{50}Cr(^{3}He,t)^{50}Mn
^{50}Mn	67.5	^{50}Cr(^{3}He,t)^{50}Mn$-^{54}$Fe()^{54}Co	32.5	^{50}Cr(^{3}He,t)^{50}Mn		
^{51}V	49.3	^{51}V(p,n)^{51}Cr	32.3	^{50}Ti(p,γ)^{51}V	9.5	^{49}Ti ^{37}Cl$-^{51}$V ^{35}Cl
^{51}Cr	50.9	^{50}Cr(n,γ)^{51}Cr	49.1	^{51}V(p,n)^{51}Cr		
^{51}Mn	54.5	^{54}Fe(p,α)^{51}Mn	45.5	^{50}Cr(p,γ)^{51}Mn		
^{52}Cr	76.2	^{52}Cr(n,γ)^{53}Cr	20.0	^{52}Cr(p,γ)^{53}Mn	3.8	^{51}V(p,γ)^{52}Cr
^{53}Cr	78.4	^{53}Cr(n,γ)^{54}Cr	21.6	^{52}Cr(n,γ)^{53}Cr		
^{53}Mn	66.9	^{52}Cr(p,γ)^{53}Mn	33.1	^{56}Fe(p,α)^{53}Mn		
^{54}Cr	80.1	^{54}Cr(p,γ)^{55}Mn	19.9	^{53}Cr(n,γ)^{54}Cr		
^{54}Fe	55.8	^{54}Fe(n,γ)^{55}Fe	22.4	^{54}Fe(p,γ)^{55}Co	11.6	^{54}Fe(p,α)^{51}Mn
^{54}Co	79.5	^{54}Fe(^{3}He,t)^{54}Co$-^{42}$Ca()^{42}Sc	20.5	^{50}Cr(^{3}He,t)^{50}Mn$-^{54}$Fe()^{54}Co		
^{55}Mn	37.2	^{55}Fe(ε)^{55}Mn	34.0	^{55}Mn(p,γ)^{56}Fe	23.4	^{55}Mn(n,γ)^{56}Mn
^{55}Fe	59.6	^{55}Fe(ε)^{55}Mn	40.4	^{54}Fe(n,γ)^{55}Fe		
^{55}Co	69.0	^{54}Fe(p,γ)^{55}Co	31.0	^{58}Ni(p,α)^{55}Co		
^{56}Mn	75.9	^{55}Mn(n,γ)^{56}Mn	24.1	^{56}Mn$-^{85}$Rb$_{.659}$		
^{56}Fe	60.7	^{55}Mn(p,γ)^{56}Fe	20.1	^{56}Fe(n,γ)^{57}Fe	18.8	^{56}Fe(p,γ)^{57}Co
^{57}Mn	74.5	^{57}Mn$-^{85}$Rb$_{.671}$	25.5	^{55}Mn(t,p)^{57}Mn		
^{57}Fe	79.8	^{56}Fe(n,γ)^{57}Fe	11.7	^{57}Fe(n,γ)^{58}Fe	6.7	^{57}Fe(p,n)^{57}Co
^{57}Co	35.6	^{60}Ni(p,α)^{57}Co	31.5	^{58}Fe(p,γ)^{59}Co$-^{56}$Fe()^{57}Co	24.3	^{56}Fe(p,γ)^{57}Co
^{57}Ni	52.0	^{57}Ni$-^{85}$Rb$_{.671}$	28.5	^{59}Ni(p,t)^{57}Ni	19.4	^{58}Ni(^{3}He,α)^{57}Ni
^{58}Fe	84.3	^{57}Fe(n,γ)^{58}Fe	15.7	^{58}Fe(p,γ)^{59}Co$-^{56}$Fe()^{57}Co		
^{58}Co	61.0	^{59}Co(d,t)^{58}Co	25.0	^{60}Ni(d,α)^{58}Co	14.0	^{57}Fe(p,γ)^{58}Co
^{58}Ni	87.7	^{58}Ni(n,γ)^{59}Ni	11.1	^{58}Ni(p,α)^{55}Co	1.2	^{58}Ni(^{3}He,α)^{57}Ni
^{59}Co	69.9	^{59}Co(p,n)^{59}Ni	14.4	^{62}Ni(p,α)^{59}Co	8.9	^{58}Fe(p,γ)^{59}Co$-^{56}$Fe()^{57}Co
^{59}Ni	67.4	^{59}Ni(n,γ)^{60}Ni	18.8	^{59}Co(p,n)^{59}Ni	12.1	^{58}Ni(n,γ)^{59}Ni
^{60}Ni	44.1	^{60}Ni(n,γ)^{61}Ni	31.9	^{59}Ni(n,γ)^{60}Ni	16.6	^{60}Ni$-^{85}$Rb$_{.706}$
^{61}Ni	55.4	^{60}Ni(n,γ)^{61}Ni	44.6	^{61}Ni(n,γ)^{62}Ni		

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{62}Ni	33.8	^{61}Ni(n,γ)^{62}Ni	31.2	^{62}Ni(p,γ)^{63}Cu	21.2	^{62}Ni(n,γ)^{63}Ni
^{63}Ni	61.2	^{63}Ni(β^-)^{63}Cu	20.1	^{62}Ni(n,γ)^{63}Ni	18.7	^{63}Ni(n,γ)^{64}Ni
^{63}Cu	37.2	^{63}Ni(β^-)^{63}Cu	28.6	^{62}Ni(p,γ)^{63}Cu	26.2	^{63}Cu(n,γ)^{64}Cu
^{63}Zn	73.1	^{64}Zn(d,t)^{63}Zn	26.9	^{63}Cu(p,n)^{63}Zn		
^{64}Ni	44.7	^{63}Ni(n,γ)^{64}Ni	26.0	^{64}Ni(p,n)^{64}Cu	21.9	^{64}Ni$-^{85}$Rb$_{.753}$
^{64}Cu	67.7	^{63}Cu(n,γ)^{64}Cu	17.9	^{64}Cu(β^-)^{64}Zn	14.3	^{64}Ni(p,n)^{64}Cu
^{64}Zn	47.7	^{64}Zn(n,γ)^{65}Zn	28.6	^{64}Cu(β^-)^{64}Zn	19.0	^{64}Zn(p,γ)^{65}Ga
^{64}Ga	75.2	^{64}Ga$-^{85}$Rb$_{.753}$	24.8	^{64}Zn(p,n)^{64}Ga		
^{65}Ni	92.2	^{64}Ni(n,γ)^{65}Ni	7.8	^{65}Ni$-^{85}$Rb$_{.765}$		
^{65}Cu	36.9	^{65}Cu(p,n)^{65}Zn	36.8	^{65}Cu$-^{85}$Rb$_{.765}$	10.9	^{65}Cu(n,γ)^{66}Cu
^{65}Zn	50.6	^{64}Zn(n,γ)^{65}Zn	42.5	^{65}Cu(p,n)^{65}Zn	6.9	^{71}Ga(^{3}He,t)^{71}Ge$-^{65}$Cu()^{65}Zn
^{65}Ga	64.4	^{64}Zn(p,γ)^{65}Ga	35.6	^{65}Ga$-^{85}$Rb$_{.765}$		
^{66}Cu	88.9	^{65}Cu(n,γ)^{66}Cu	11.1	^{66}Cu$-^{85}$Rb$_{.776}$		
^{66}Zn	82.8	^{66}Zn(p,α)^{63}Cu	14.7	^{66}Zn(n,γ)^{67}Zn	2.4	^{67}Zn N$-^{66}$Zn ^{15}N
^{67}Zn	70.4	^{66}Zn(n,γ)^{67}Zn	16.0	^{67}Zn(p,n)^{67}Ga	11.6	^{67}Zn N$-^{66}$Zn ^{15}N
^{67}Ga	54.8	^{67}Zn(p,n)^{67}Ga	45.2	^{70}Ge(p,α)^{67}Ga		
^{68}Zn	97.9	^{67}Zn(n,γ)^{68}Zn	2.1	^{70}Zn ^{35}Cl$-^{68}$Zn ^{37}Cl		
^{68}Ge	99.3	^{70}Ge(p,t)^{68}Ge	0.7	^{69}Se(εp)^{68}Ge		
^{69}Ga	65.3	^{69}Ga$-^{85}$Rb$_{.812}$	34.7	^{69}Ga(n,γ)^{70}Ga		
^{69}Ge	100.0	^{69}Ga(p,n)^{69}Ge				
^{69}As	77.8	^{69}As(β^+)^{69}Ge	22.2	^{69}Se(β^+)^{69}As		
^{69}Se	70.0	^{69}Se(εp)^{68}Ge	30.0	^{69}Se(β^+)^{69}As		
^{70}Zn	90.7	^{70}Zn(p,n)^{70}Ga	9.3	^{70}Zn ^{35}Cl$-^{68}$Zn ^{37}Cl		
^{70}Ga	64.9	^{69}Ga(n,γ)^{70}Ga	31.8	^{70}Ga$-^{85}$Rb$_{.824}$	3.3	^{70}Zn(p,n)^{70}Ga
^{70}Ge	64.1	^{70}Ge(n,γ)^{71}Ge	20.3	^{70}Ge(p,α)^{67}Ga	6.0	C_4 H_6 O$-^{70}$Ge
^{71}Ga	52.1	^{71}Ga(n,γ)^{72}Ga	32.5	^{71}Ge(ε)^{71}Ga	13.3	^{71}Ga$-^{85}$Rb$_{.835}$
^{71}Ge	61.4	^{71}Ge(ε)^{71}Ga	35.7	^{70}Ge(n,γ)^{71}Ge	2.9	^{71}Ga(^{3}He,t)^{71}Ge$-^{65}$Cu()^{65}Zn
^{72}Ga	53.0	^{72}Ga$-^{85}$Rb$_{.847}$	47.0	^{71}Ga(n,γ)^{72}Ga		
^{72}Ge	71.7	^{72}Ge(n,γ)^{73}Ge	15.9	^{70}Ge H_2-^{72}Ge	11.2	C_4 H_8 O$-^{72}$Ge
^{72}Se	99.0	^{74}Se(p,t)^{72}Se	1.0	^{72}Br(β^+)^{72}Se		
^{72}Br	55.0	^{72}Kr(β^+)^{72}Br	38.7	^{72}Br(β^+)^{72}Se	6.3	^{73}Br$-^{72}$Br
^{72}Kr	99.6	^{72}Kr$-^{85}$Rb$_{.847}$	0.4	^{72}Kr(β^+)^{72}Br		
^{73}Ge	62.3	^{73}Ge(n,γ)^{74}Ge	26.6	^{72}Ge(n,γ)^{73}Ge	11.2	C_4 H_9 O$-^{73}$Ge
^{73}As	79.9	^{72}Ge(^{3}He,d)^{73}As	20.0	^{74}Se(d,^{3}He)^{73}As	0.1	^{73}Se(β^+)^{73}As
^{73}Se	99.0	^{73}Se(β^+)^{73}As	1.0	^{73}Br(β^+)^{73}Se		
^{73}Br	63.9	^{73}Br(β^+)^{73}Se	31.6	^{73}Br$-$C$_{6.083}$	4.5	^{73}Br$-^{72}$Br
^{74}Ge	35.1	^{73}Ge(n,γ)^{74}Ge	25.9	^{76}Ge ^{35}Cl$-^{74}$Ge ^{37}Cl	24.9	C ^{32}S$_2-^{74}$Ge H_2
^{74}As	81.9	^{74}As(β^+)^{74}Ge	18.1	^{74}As(β^-)^{74}Se		
^{74}Se	98.5	^{74}Se(n,γ)^{75}Se	1.2	^{74}As(β^-)^{74}Se	0.3	^{74}Se(d,^{3}He)^{73}As
^{74}Kr	95.7	^{74}Kr$-^{85}$Rb$_{.871}$	4.3	^{74}Rb(β^+)^{74}Kr		
^{74}Rb	84.2	^{74}Rb$-^{85}$Rb$_{.871}$	15.8	^{74}Rb(β^+)^{74}Kr		
^{75}As	63.2	^{75}As(p,n)^{75}Se	15.8	^{75}As(n,γ)^{76}As	12.0	^{78}Se(p,α)^{75}As
^{75}Se	90.6	^{75}Se(n,γ)^{76}Se	8.0	^{75}As(p,n)^{75}Se	1.4	^{74}Se(n,γ)^{75}Se
^{76}Ge	53.0	^{76}Ge$-^{76}$Se	43.2	^{76}Ge ^{35}Cl$-^{74}$Ge ^{37}Cl	2.8	^{76}Ge(^{3}He,d)^{77}As
^{76}As	84.1	^{75}As(n,γ)^{76}As	15.9	^{76}As(β^-)^{76}Se		
^{76}Se	46.6	^{76}Ge$-^{76}$Se	26.5	^{76}Se(n,γ)^{77}Se	17.3	^{76}Se ^{35}Cl$-^{74}$Ge ^{37}Cl
^{76}Kr	84.8	^{76}Kr$-^{85}$Rb$_{.894}$	15.2	^{80}Kr(α,^{6}He)^{78}Kr$-^{78}$Kr()^{76}Kr		
^{77}As	33.2	^{80}Se(p,α)^{77}As	31.4	^{76}Ge(^{3}He,d)^{77}As	17.7	^{77}As(β^-)^{77}Se
^{77}Se	72.3	^{76}Se(n,γ)^{77}Se	26.1	^{77}Se(n,γ)^{78}Se	1.6	^{77}As(β^-)^{77}Se
^{78}Se	63.9	^{77}Se(n,γ)^{78}Se	15.6	^{80}Se(p,t)^{78}Se	10.4	C_6 H_6-^{78}Se
^{78}Kr	95.4	^{78}Kr$-^{85}$Rb$_{.918}$	3.8	^{80}Kr(α,^{6}He)^{78}Kr$-^{78}$Kr()^{76}Kr	0.7	^{78}Kr(^{3}He,d)^{79}Rb
^{79}Rb	64.6	^{79}Rb$-$C$_{6.583}$	35.4	^{78}Kr(^{3}He,d)^{79}Rb		
^{80}Ge	77.8	^{80}Ge(β^-)^{80}As	22.2	^{82}Se(^{14}C,^{16}O)^{80}Ge		
^{80}As	86.5	^{80}Se(t,^{3}He)^{80}As	13.5	^{80}Ge(β^-)^{80}As		
^{80}Se	42.7	^{80}Se(p,t)^{78}Se	27.7	^{82}Se ^{35}Cl$-^{80}$Se ^{37}Cl	16.0	^{80}Se(p,α)^{77}As
^{80}Kr	86.1	^{80}Kr$-^{85}$Rb$_{.941}$	10.3	^{80}Kr(d,p)^{81}Kr	1.7	^{80}Kr(α,^{6}He)^{78}Kr$-^{78}$Kr()^{76}Kr
^{80}Rb	87.6	^{80}Rb$-$C$_{6.667}$	12.4	^{80}Kr(p,n)^{80}Rb		
^{81}Br	79.6	^{81}Br(n,γ)^{82}Br	19.3	^{81}Kr(ε)^{81}Br	1.1	^{87}Rb(^{3}He,t)^{87}Sr$-^{81}$Br()^{81}Kr
^{81}Kr	74.4	^{81}Kr(ε)^{81}Br	21.4	^{80}Kr(d,p)^{81}Kr	4.2	^{87}Rb(^{3}He,t)^{87}Sr$-^{81}$Br()^{81}Kr
^{81}Rb	64.8	^{81}Rb$-$C$_{6.75}$	35.2	^{80}Kr(^{3}He,d)^{81}Rb		
^{82}Se	44.0	^{82}Se$-^{82}$Kr	33.2	^{82}Se ^{35}Cl$-^{80}$Se ^{37}Cl	16.5	^{82}Se(p,t)^{80}Se

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{82}Br	79.6	^{82}Br(β^-)^{82}Kr	20.4	^{81}Br(n,γ)^{82}Br		
^{82}Kr	54.0	^{82}Kr−^{85}Rb$_{.965}$	25.8	^{82}Se−^{82}Kr	16.1	^{82}Br(β^-)^{82}Kr
^{82}Rb	84.0	^{82}Rb^m(IT)^{82}Rb	10.8	^{82}Rb−C$_{6.833}$	5.2	^{82}Rb(β^+)^{82}Kr
^{82}Rb^m	88.0	^{82}Rb^m−^{85}Rb$_{.965}$	12.0	^{82}Rb^m(IT)^{82}Rb		
^{82}Sr	55.9	^{82}Sr−C$_{6.833}$	44.1	^{84}Sr(p,t)^{82}Sr		
^{83}Br	50.1	^{83}Br(β^-)^{83}Kr	49.9	^{82}Se(^{3}He,d)^{83}Br		
^{83}Kr	74.7	^{83}Kr(n,γ)^{84}Kr	12.7	^{83}Br(β^-)^{83}Kr	12.6	C$_6$ H$_{11}$−^{83}Kr
^{83}Rb	65.0	^{83}Rb−C$_{6.917}$	35.0	^{82}Kr(^{3}He,d)^{83}Rb		
^{84}Se	92.3	^{82}Se(t,p)^{84}Se	7.7	^{84}Se(β^-)^{84}Br		
^{84}Br	92.2	^{84}Br(β^-)^{84}Kr	7.8	^{84}Se(β^-)^{84}Br		
^{84}Kr	39.9	^{84}Rb(β^+)^{84}Kr	25.1	^{83}Kr(n,γ)^{84}Kr	23.2	C$_6$ H$_{12}$−^{84}Kr
^{84}Rb	40.0	^{84}Rb(β^+)^{84}Kr	24.0	^{84}Rb(β^-)^{84}Sr	21.9	^{85}Rb(p,d)^{84}Rb
^{84}Sr	38.9	^{84}Rb(β^-)^{84}Sr	28.0	C$_6$ H$_{12}$−^{84}Sr	14.0	^{84}Sr(d,p)^{85}Sr
^{85}Kr	94.8	^{85}Kr(β^-)^{85}Rb	5.2	^{84}Kr(d,p)^{85}Kr		
^{85}Rb	100.0	C$_6$ H$_{14}$−^{85}Rb				
^{85}Sr	89.4	^{85}Rb(^{3}He,t)^{85}Sr	10.6	^{84}Sr(d,p)^{85}Sr		
^{86}Rb	99.1	^{85}Rb(n,γ)^{86}Rb	0.9	^{86}Rb(β^-)^{86}Sr		
^{86}Sr	51.1	^{86}Sr(n,γ)^{87}Sr	47.8	^{86}Rb(β^-)^{86}Sr	1.0	^{86}Sr(p,t)^{84}Sr
^{87}Rb	100.0	C$_6$ H$_{16}$−^{87}Rb				
^{87}Sr	48.6	^{86}Sr(n,γ)^{87}Sr	46.1	^{87}Rb(^{3}He,t)^{87}Sr−^{81}Br()^{81}Kr	5.3	^{87}Sr(n,γ)^{88}Sr
^{88}Sr	94.6	^{87}Sr(n,γ)^{88}Sr	5.4	^{88}Sr(n,γ)^{89}Sr		
^{89}Rb	56.2	^{89}Rb(β^-)^{89}Sr	42.4	^{89}Rb−^{85}Rb$_{1.047}$	1.3	^{91}Rb−^{93}Rb$_{.489}$ ^{89}Rb$_{.511}$
^{89}Sr	94.6	^{88}Sr(n,γ)^{89}Sr	4.5	^{89}Sr(β^-)^{89}Y	1.0	^{89}Rb(β^-)^{89}Sr
^{89}Y	47.6	^{89}Y(n,γ)^{90}Y	37.8	^{89}Sr(β^-)^{89}Y	11.5	^{89}Y(p,γ)^{90}Zr
^{89}Zr	82.4	^{89}Zr(β^+)^{89}Y	17.6	^{90}Zr(d,t)^{89}Zr		
^{90}Rb	60.7	^{90}Rb−^{85}Rb$_{1.059}$	39.3	^{90}Rb(β^-)^{90}Sr		
^{90}Sr	95.1	^{90}Sr(β^-)^{90}Y	4.9	^{90}Rb(β^-)^{90}Sr		
^{90}Y	52.3	^{89}Y(n,γ)^{90}Y	43.9	^{90}Y(β^-)^{90}Zr	3.8	^{90}Sr(β^-)^{90}Y
^{90}Zr	70.2	^{90}Zr(n,γ)^{91}Zr	22.4	^{90}Y(β^-)^{90}Zr	5.9	^{89}Y(p,γ)^{90}Zr
^{91}Rb	74.8	^{91}Rb−^{85}Rb$_{1.071}$	12.9	^{91}Rb(β^-)^{91}Sr^x	12.3	^{91}Rb−^{93}Rb$_{.489}$ ^{89}Rb$_{.511}$
^{91}Sr	59.6	^{91}Sr(β^-)^{91}Y	29.1	^{91}Sr−^{85}Rb$_{1.071}$	7.6	^{92}Rb(β^-n)^{91}Sr
^{91}Sr^x	73.2	^{91}Rb(β^-)^{91}Sr^x	26.8	^{91}Sr^x(IT)^{91}Sr		
^{91}Y	89.0	^{91}Y(β^-)^{91}Zr	11.0	^{91}Sr(β^-)^{91}Y		
^{91}Zr	64.2	^{91}Zr(n,γ)^{92}Zr	28.9	^{90}Zr(n,γ)^{91}Zr	6.9	^{91}Y(β^-)^{91}Zr
^{92}Rb	53.0	^{92}Rb−^{85}Rb$_{1.082}$	31.5	^{92}Rb(β^-)^{92}Sr	15.1	^{92}Rb(β^-n)^{91}Sr
^{92}Sr	88.7	^{92}Sr−^{85}Rb$_{1.082}$	7.2	^{92}Rb(β^-)^{92}Sr	2.9	^{92}Sr(β^-)^{92}Y
^{92}Y	57.0	^{92}Y(β^-)^{92}Zr	29.7	^{92}Sr(β^-)^{92}Y	13.3	^{94}Zr(d,α)^{92}Y
^{92}Zr	54.7	^{92}Zr(n,γ)^{93}Zr	35.8	^{91}Zr(n,γ)^{92}Zr	8.3	^{92}Zr(p,n)^{92}Nb
^{92}Nb	65.4	^{92}Zr(p,n)^{92}Nb	34.6	^{93}Nb(γ,n)^{92}Nb		
^{92}Mo	52.2	^{92}Mo(n,γ)^{93}Mo	26.1	C$_7$ H$_8$−^{92}Mo	21.7	^{94}Mo ^{35}Cl−^{92}Mo ^{37}Cl
^{93}Rb	66.2	^{93}Rb−^{85}Rb$_{1.094}$	24.8	^{93}Rb(β^-)^{93}Sr	6.3	^{93}Rb(β^-n)^{92}Sr
^{93}Sr	65.4	^{93}Sr−^{85}Rb$_{1.094}$	24.3	^{93}Rb(β^-)^{93}Sr	10.3	^{93}Sr(β^-)^{93}Y
^{93}Y	75.6	^{93}Y(β^-)^{93}Zr	24.4	^{93}Sr(β^-)^{93}Y		
^{93}Zr	43.4	^{92}Zr(n,γ)^{93}Zr	29.6	^{94}Zr(d,t)^{93}Zr	26.1	^{93}Zr(β^-)^{93}Nb
^{93}Nb	42.8	^{93}Nb(n,γ)^{94}Nb	36.6	^{93}Zr(β^-)^{93}Nb	11.2	^{93}Nb(γ,n)^{92}Nb
^{93}Mo	52.2	^{93}Nb(p,n)^{93}Mo	47.7	^{92}Mo(n,γ)^{93}Mo		
^{94}Rb	80.5	^{94}Rb−^{85}Rb$_{1.106}$	15.3	^{94}Rb(β^-)^{94}Sr	4.3	^{94}Rb−^{95}Rb$_{.660}$ ^{92}Rb$_{.341}$
^{94}Sr	59.5	^{94}Sr−^{85}Rb$_{1.106}$	29.8	^{94}Sr(β^-)^{94}Y	10.7	^{94}Rb(β^-)^{94}Sr
^{94}Y	58.4	^{94}Y(β^-)^{94}Zr	29.6	^{94}Sr(β^-)^{94}Y	12.0	^{96}Zr(d,α)^{94}Y
^{94}Zr	54.0	^{94}Zr(n,γ)^{95}Zr	36.2	^{94}Zr(d,t)^{93}Zr	7.1	C$_7$ H$_{10}$−^{94}Zr
^{94}Nb	57.2	^{93}Nb(n,γ)^{94}Nb	42.8	^{94}Nb(β^-)^{94}Mo		
^{94}Mo	79.2	^{94}Mo(n,γ)^{95}Mo	11.9	^{94}Nb(β^-)^{94}Mo	6.6	C$_7$ H$_{10}$−^{94}Mo
^{95}Rb	54.2	^{95}Rb(β^-)^{95}Sr	17.1	^{95}Rb−^{96}Rb$_{.742}$ ^{92}Rb$_{.258}$	13.1	^{94}Rb−^{95}Rb$_{.660}$ ^{92}Rb$_{.341}$
^{95}Sr	64.5	^{95}Sr−^{85}Rb$_{1.118}$	32.3	^{95}Sr(β^-)^{95}Y	3.2	^{95}Rb(β^-)^{95}Sr
^{95}Y	59.4	^{95}Y(β^-)^{95}Zr	28.5	^{95}Sr(β^-)^{95}Y	12.1	^{96}Zr(t,α)^{95}Y
^{95}Zr	41.0	^{94}Zr(n,γ)^{95}Zr	39.6	^{95}Zr(β^-)^{95}Nb	17.3	^{96}Zr(d,t)^{95}Zr
^{95}Nb	88.8	^{95}Nb(β^-)^{95}Mo	11.2	^{95}Zr(β^-)^{95}Nb		
^{95}Mo	69.6	^{95}Mo(n,γ)^{96}Mo	20.8	^{94}Mo(n,γ)^{95}Mo	9.3	^{95}Nb(β^-)^{95}Mo
^{95}Tc	97.3	^{95}Tc(β^+)^{95}Mo	2.7	^{95}Ru(β^+)^{95}Tc		
^{95}Ru	84.9	^{96}Ru(p,d)^{95}Ru	15.1	^{95}Ru(β^+)^{95}Tc		
^{96}Rb	37.2	^{96}Rb(β^-)^{96}Sr	26.7	^{96}Rb−^{97}Rb$_{.742}$ ^{93}Rb$_{.258}$	19.0	^{95}Rb−^{96}Rb$_{.742}$ ^{92}Rb$_{.258}$

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{96}Sr	71.9	^{96}Sr(β^-)^{96}Y	28.1	^{96}Rb(β^-)^{96}Sr		
^{96}Y	82.0	^{96}Y(β^-)^{96}Zr	18.0	^{96}Sr(β^-)^{96}Y		
^{96}Zr	54.8	^{96}Zr(n,γ)^{97}Zr	43.0	^{96}Zr(d,t)^{95}Zr	1.1	^{96}Zr(d,α)^{94}Y
^{96}Mo	62.1	^{96}Mo(n,γ)^{97}Mo	30.4	^{95}Mo(n,γ)^{96}Mo	7.5	C_7 H_{12}−^{96}Mo
^{96}Ru	79.3	C_7 H_{12}−^{96}Ru	7.4	^{96}Ru(^{16}O,^{12}C)^{100}Pd	7.2	^{96}Ru(^{16}O,^{13}C)^{99}Pd
^{97}Rb	61.2	^{97}Rb(β^-)^{97}Sr	14.8	^{97}Rb−^{98}Rb$_{.660}$ ^{95}Rb$_{.340}$	11.1	^{96}Rb−^{97}Rb$_{.742}$ ^{93}Rb$_{.258}$
^{97}Sr	89.6	^{97}Sr(β^-)^{97}Y	10.4	^{97}Rb(β^-)^{97}Sr		
^{97}Y	96.5	^{97}Y(β^-)^{97}Zr	3.5	^{97}Sr(β^-)^{97}Y		
^{97}Zr	55.5	^{97}Zr(β^-)^{97}Nb	44.4	^{96}Zr(n,γ)^{97}Zr	0.1	^{97}Y(β^-)^{97}Zr
^{97}Nb	75.6	^{97}Nb(β^-)^{97}Mo	24.4	^{97}Zr(β^-)^{97}Nb		
^{97}Mo	44.8	^{97}Mo(n,γ)^{98}Mo	37.4	^{96}Mo(n,γ)^{97}Mo	12.8	C_5 H_5 O_2−^{97}Mo
^{97}Tc	52.9	^{96}Mo(^{3}He,d)^{97}Tc	47.1	^{97}Mo(p,n)^{97}Tc		
^{98}Rb	80.4	^{98}Rb(β^-)^{98}Sr	19.6	^{97}Rb−^{98}Rb$_{.660}$ ^{95}Rb$_{.340}$		
^{98}Sr	95.5	^{98}Sr(β^-)^{98}Y	4.5	^{98}Rb(β^-)^{98}Sr		
^{98}Y	96.1	^{98}Y(β^-)^{98}Zr	3.9	^{98}Sr(β^-)^{98}Y		
^{98}Zr	97.5	^{96}Zr(t,p)^{98}Zr	2.5	^{98}Y(β^-)^{98}Zr		
^{98}Mo	55.2	^{97}Mo(n,γ)^{98}Mo	33.4	^{98}Mo(n,γ)^{99}Mo	8.6	C_5 H_6 O_2−^{98}Mo
^{98}Tc	57.4	^{99}Tc(p,d)^{98}Tc	28.7	^{97}Mo(^{3}He,d)^{98}Tc	11.2	^{98}Mo(p,n)^{98}Tc
^{98}Ru	86.2	C_7 H_{14}−^{98}Ru	7.8	^{98}Tc(β^-)^{98}Ru	5.9	^{99}Ru−^{98}Ru
^{99}Rb	73.8	^{99}Rb(β^-)^{99}Sr	15.9	^{97}Rb−^{99}Rb$_{.490}$ ^{95}Rb$_{.511}$	10.3	^{97}Rb−^{99}Rb$_{.653}$ ^{93}Rb$_{.348}$
^{99}Sr	91.4	^{99}Sr(β^-)^{99}Y	8.6	^{99}Rb(β^-)^{99}Sr		
^{99}Y	99.3	^{99}Y(β^-)^{99}Zr	0.7	^{99}Sr(β^-)^{99}Y		
^{99}Zr	99.5	^{99}Zr(β^-)^{99}Nb	0.5	^{99}Y(β^-)^{99}Zr		
^{99}Nb	99.8	^{100}Mo(d,^{3}He)^{99}Nb	0.2	^{99}Zr(β^-)^{99}Nb		
^{99}Mo	66.4	^{98}Mo(n,γ)^{99}Mo	33.6	^{99}Mo(β^-)^{99}Tc		
^{99}Tc	58.4	^{99}Mo(β^-)^{99}Tc	40.0	^{99}Tc(β^-)^{99}Ru	1.7	^{99}Tc(p,d)^{98}Tc
^{99}Ru	45.4	^{99}Tc(β^-)^{99}Ru	45.3	^{99}Ru(n,γ)^{100}Ru	8.3	C_7 H_{15}−^{99}Ru
^{99}Rh	94.2	^{99}Rh(β^+)^{99}Ru	5.8	^{99}Pd(β^+)^{99}Rh		
^{99}Pd	50.7	^{99}Pd(β^+)^{99}Rh	49.3	^{96}Ru(^{16}O,^{13}C)^{99}Pd		
^{100}Mo	57.6	^{100}Mo ^{35}Cl−^{98}Mo ^{37}Cl	35.8	C_7 H_{16}−^{100}Mo	6.5	^{100}Mo(^{3}He,p)^{102}Tc
^{100}Ru	54.6	^{99}Ru(n,γ)^{100}Ru	39.7	^{100}Ru(n,γ)^{101}Ru	5.4	C_7 H_{16}−^{100}Ru
^{100}Rh	82.0	^{100}Rh(β^+)^{100}Ru	18.0	^{100}Rh−$C_{8.333}$		
^{100}Pd	82.8	^{102}Pd(p,t)^{100}Pd	17.0	^{96}Ru(^{16}O,^{12}C)^{100}Pd	0.2	^{100}Ag(β^+)^{100}Pd
^{100}Ag	86.7	^{100}Ag(β^+)^{100}Pd	13.3	^{100}Cd(β^+)^{100}Ag		
^{100}Cd	77.2	^{100}Cd(β^+)^{100}Ag	22.8	^{100}Cd−$C_{8.333}$		
^{101}Ru	59.9	^{100}Ru(n,γ)^{101}Ru	24.6	^{101}Ru(n,γ)^{102}Ru	15.5	C_8 H_5−^{101}Ru
^{102}Tc	80.0	^{104}Ru(d,α)^{102}Tc	20.0	^{100}Mo(^{3}He,p)^{102}Tc		
^{102}Ru	75.4	^{101}Ru(n,γ)^{102}Ru	16.9	^{102}Ru(n,γ)^{103}Ru	7.3	C_8 H_6−^{102}Ru
^{102}Rh	50.2	^{102}Rh(β^+)^{102}Ru	49.8	^{102}Rh(β^-)^{102}Pd		
^{102}Pd	92.3	^{102}Pd(n,γ)^{103}Pd	6.8	^{102}Rh(β^-)^{102}Pd	1.0	^{102}Pd(p,t)^{100}Pd
^{103}Ru	83.0	^{102}Ru(n,γ)^{103}Ru	10.4	^{104}Ru(d,t)^{103}Ru−^{148}Gd()^{147}Gd	6.6	^{103}Ru(β^-)^{103}Rh
^{103}Rh	79.9	^{103}Ru(β^-)^{103}Rh	13.3	C_8 H_7−^{103}Rh	6.8	^{103}Pd(ε)^{103}Rh
^{103}Pd	92.3	^{103}Pd(ε)^{103}Rh	7.0	^{102}Pd(n,γ)^{103}Pd	0.7	^{103}Ag(β^+)^{103}Pd
^{103}Ag	62.3	^{103}Cd(β^+)^{103}Ag	37.7	^{103}Ag(β^+)^{103}Pd		
^{103}Cd	72.5	^{106}Cd(^{3}He,^{6}He)^{103}Cd	27.5	^{103}Cd(β^+)^{103}Ag		
^{104}Ru	64.6	^{104}Ru(d,t)^{103}Ru−^{148}Gd()^{147}Gd	18.0	^{104}Ru(n,γ)^{105}Ru	15.7	C_8 H_8−^{104}Ru
^{104}Cd	99.8	^{106}Cd(p,t)^{104}Cd	0.2	^{104}In(β^+)^{104}Cd		
^{104}In	82.4	^{104}In(β^+)^{104}Cd	17.6	^{105}In−^{104}In		
^{105}Ru	81.9	^{104}Ru(n,γ)^{105}Ru	18.1	^{105}Ru(β^-)^{105}Rh		
^{105}Rh	57.9	^{105}Ru(β^-)^{105}Rh	42.1	^{105}Rh(β^-)^{105}Pd		
^{105}Pd	51.0	^{105}Pd(n,γ)^{106}Pd	47.3	^{105}Rh(β^-)^{105}Pd	1.3	^{105}Ag(ε)^{105}Pd
^{105}Ag	47.5	^{107}Ag(p,t)^{105}Ag	34.6	^{105}Ag(ε)^{105}Pd	17.9	^{105}Cd(β^+)^{105}Ag
^{105}Cd	79.6	^{105}Cd(β^+)^{105}Ag	20.1	^{106}Cd(^{3}He,α)^{105}Cd	0.3	^{105}In(β^+)^{105}Cd
^{105}In	99.4	^{105}In(β^+)^{105}Cd	0.6	^{105}In−^{104}In		
^{106}Pd	48.8	^{105}Pd(n,γ)^{106}Pd	32.7	^{106}Pd(n,γ)^{107}Pd	16.5	C_8 H_{10}−^{106}Pd
^{106}Ag	79.4	^{106}Ag(ε)^{106}Pd	12.2	^{105}Pd(^{3}He,d)^{106}Ag	8.4	^{107}Ag(p,d)^{106}Ag
^{106}Cd	89.0	C_8 H_{10}−^{106}Cd	4.4	^{106}Cd(^{3}He,α)^{105}Cd	3.5	^{106}In(β^+)^{106}Cd
^{106}In	82.4	^{106}In(β^+)^{106}Cd	17.1	^{106}In−$C_{8.833}$	0.5	^{106}Sn(β^+)^{106}In
^{106}Sn	90.3	^{106}Sn(β^+)^{106}In	9.7	^{107}Sn−^{106}Sn		
^{107}Rh	91.2	^{108}Pd(d,^{3}He)^{107}Rh	8.8	^{107}Rh(β^-)^{107}Pd		
^{107}Pd	66.8	^{106}Pd(n,γ)^{107}Pd	32.2	^{107}Pd(β^-)^{107}Ag	0.9	^{107}Rh(β^-)^{107}Pd

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{107}Ag	49.7	^{107}Pd(β^-)^{107}Ag	35.0	$C_8\ H_{11}-{}^{107}$Ag	7.8	^{109}Ag(p,t)^{107}Ag
^{107}Cd	96.3	^{107}Cd(β^+)^{107}Ag	3.7	^{107}In(β^+)^{107}Cd		
^{107}In	83.4	^{107}In(β^+)^{107}Cd	16.6	^{107}In$-C_{8.917}$		
^{107}Sn	59.6	^{108}Sn$-{}^{107}$Sn	40.4	^{107}Sn$-{}^{106}$Sn		
^{108}Pd	91.3	^{108}Pd(n,γ)^{109}Pd	6.1	$C_8\ H_{12}-{}^{108}$Pd	2.0	^{110}Pd(p,t)^{108}Pd
^{108}Cd	67.9	$C_8\ H_{12}-{}^{108}$Cd	27.1	^{108}Cd(^{3}He,d)^{109}In$-{}^{110}$Cd()^{111}In	5.0	^{108}In(β^+)^{108}Cd
^{108}In	82.2	^{108}In(β^+)^{108}Cd	11.4	^{108}In$-C_9$	6.4	^{108}Sn(β^+)^{108}In
^{108}Sn	54.3	^{108}Sn(β^+)^{108}In	44.4	^{108}Sn$-C_9$	1.4	^{108}Sn$-{}^{107}$Sn
^{109}Pd	91.3	^{109}Pd(β^-)^{109}Ag	8.7	^{108}Pd(n,γ)^{109}Pd		
^{109}Ag	70.5	^{109}Ag(n,γ)^{110}Ag	10.7	$C_8\ H_{13}-{}^{109}$Ag	9.5	^{109}Cd(ε)^{109}Ag
^{109}Cd	84.7	^{109}Cd(ε)^{109}Ag	15.3	^{109}In(β^+)^{109}Cd		
^{109}In	53.0	^{109}In(β^+)^{109}Cd	47.0	^{108}Cd(^{3}He,d)^{109}In$-{}^{110}$Cd()^{111}In		
^{110}Ru	55.1	^{110}Ru$-C_{9.167}$	44.9	^{110}Ru(β^-)^{110}Rh		
^{110}Rh	41.6	^{110}Rh$-C_{9.167}$	33.3	^{110}Ru(β^-)^{110}Rh	25.1	^{110}Rh(β^-)^{110}Pd
^{110}Pd	49.3	^{110}Pd(p,t)^{108}Pd	26.9	$C_8\ H_{14}-{}^{110}$Pd	13.5	^{112}Cd(^{14}C,^{16}O)^{110}Pd
^{110}Ag	70.6	^{110}Ag(β^-)^{110}Cd	29.4	^{109}Ag(n,γ)^{110}Ag		
^{110}Cd	68.2	^{110}Cd(n,γ)^{111}Cd	23.5	^{110}Ag(β^-)^{110}Cd	8.4	^{108}Cd(^{3}He,d)^{109}In$-{}^{110}$Cd()^{111}In
^{111}Cd	59.7	^{111}Cd(n,γ)^{112}Cd	31.7	^{110}Cd(n,γ)^{111}Cd	8.6	$C_8\ H_{15}-{}^{111}$Cd
^{111}In	77.4	^{113}In(p,t)^{111}In$-{}^{112}$Cd()^{110}Cd	13.2	^{108}Cd(^{3}He,d)^{109}In$-{}^{110}$Cd()^{111}In	9.3	^{113}In(p,t)^{111}In$-{}^{115}$In()^{113}In
^{112}Pd	60.4	^{110}Pd(t,p)^{112}Pd	39.6	^{112}Pd(β^-)^{112}Ag		
^{112}Ag	69.7	^{112}Ag(β^-)^{112}Cd	30.3	^{112}Pd(β^-)^{112}Ag		
^{112}Cd	40.2	^{112}Cd(d,p)^{113}Cd	40.0	^{111}Cd(n,γ)^{112}Cd	8.6	$C_8\ H_{16}-{}^{112}$Cd
^{112}In	57.8	^{112}Cd(p,n)^{112}In	42.2	^{112}In(β^-)^{112}Sn		
^{112}Sn	79.9	^{112}Sn(n,γ)^{113}Sn	20.1	^{112}In(β^-)^{112}Sn		
^{113}Rh	59.9	^{113}Rh(β^-)^{113}Pd	40.1	^{113}Rh$-C_{9.417}$		
^{113}Pd	84.9	^{113}Pd(β^-)^{113}Ag	15.1	^{113}Rh(β^-)^{113}Pd		
^{113}Ag	97.2	^{113}Ag(β^-)^{113}Cd	2.8	^{113}Pd(β^-)^{113}Ag		
^{113}Cd	58.1	^{112}Cd(d,p)^{113}Cd	29.4	^{113}Cd(n,γ)^{114}Cd	8.7	$C_9\ H_5-{}^{113}$Cd
^{113}In	81.6	^{113}In(n,γ)^{114}In	6.9	^{113}Cd(β^-)^{113}In	5.6	^{113}Sn(β^+)^{113}In
^{113}Sn	45.0	^{113}Sn(β^+)^{113}In	38.5	^{114}Sn(d,t)^{113}Sn	16.5	^{112}Sn(n,γ)^{113}Sn
^{114}Pd	65.4	^{116}Cd(^{14}C,^{16}O)^{114}Pd	34.6	^{114}Pd(β^-)^{114}Ag		
^{114}Ag	50.3	^{114}Pd(β^-)^{114}Ag	49.7	^{114}Ag(β^-)^{114}Cd		
^{114}Cd	70.6	^{113}Cd(n,γ)^{114}Cd	10.6	^{114}Cd(d,p)^{115}Cd	8.2	$C_8\ H_{18}-{}^{114}$Cd
^{114}In	72.4	^{114}In(β^-)^{114}Sn	18.0	^{113}In(n,γ)^{114}In	9.6	^{115}In(γ,n)^{114}In
^{114}Sn	70.4	^{114}Sn(n,γ)^{115}Sn	25.5	^{114}In(β^-)^{114}Sn	4.1	^{114}Sn(d,t)^{113}Sn
^{115}Cd	87.3	^{114}Cd(d,p)^{115}Cd	7.4	^{115}Cd(β^-)^{115}In	5.3	^{116}Cd(γ,n)^{115}Cd
^{115}In	48.2	^{115}In(γ,n)^{114}In	41.3	^{115}Cd(β^-)^{115}In	10.6	^{113}In(p,t)^{111}In$-{}^{115}$In()^{113}In
^{115}Sn	78.0	^{115}Sn(n,γ)^{116}Sn	23.4	^{114}Sn(n,γ)^{115}Sn		
^{116}Cd	43.5	^{116}Cd ^{35}Cl$-{}^{114}$Cd ^{37}Cl	21.8	$C_9\ H_8-{}^{116}$Cd	20.9	^{116}Cd(γ,n)^{115}Cd
^{116}Sn	76.6	^{116}Sn(n,γ)^{117}Sn	22.0	^{115}Sn(n,γ)^{116}Sn	1.4	^{116}Sn(p,n)^{116}Sb
^{116}Sb	73.3	^{116}Sn(p,n)^{116}Sb	26.7	^{115}Sn(^{3}He,d)^{116}Sb$-{}^{120}$Sn()^{121}Sb		
^{117}In	94.5	^{117}In(β^-)^{117}Sn	5.5	^{120}Sn(t,α)^{119}In$-{}^{118}$Sn()^{117}In		
^{117}Sn	61.6	^{117}Sn(n,γ)^{118}Sn	22.9	^{116}Sn(n,γ)^{117}Sn	15.4	C $^{35}Cl_3-{}^{117}$Sn
^{117}Sb	80.0	^{116}Sn(^{3}He,d)^{117}Sb	20.0	^{117}Sn(p,n)^{117}Sb		
^{117}Cs	100.0	^{117}Cs$-{}^{133}$Cs$_{.880}$				
^{117}Cs^x	100.0	^{117}Cs^x(IT)^{117}Cs				
^{118}In	100.0	^{119}Sn(t,α)^{118}In$-{}^{118}$Sn()^{117}In				
^{118}Sn	63.8	^{118}Sn(n,γ)^{119}Sn	36.1	^{117}Sn(n,γ)^{118}Sn	0.1	^{118}Sn(^{3}He,d)^{119}Sb
^{118}Cs	100.0	^{118}Cs^x(IT)^{118}Cs				
^{118}Cs^x	100.0	^{118}Cs$^x-{}^{133}$Cs$_{.887}$				
^{119}In	86.7	^{120}Sn(t,α)^{119}In$-{}^{118}$Sn()^{117}In	13.3	^{120}Sn(d,^{3}He)^{119}In		
^{119}Sn	54.9	^{120}Sn(d,t)^{119}Sn	35.3	^{118}Sn(n,γ)^{119}Sn	9.8	^{121}Sb ^{35}Cl$-{}^{119}$Sn ^{37}Cl
^{119}Sb	59.0	^{118}Sn(^{3}He,d)^{119}Sb	41.0	^{119}Sb(ε)^{119}Sn		
^{120}Sn	69.6	^{120}Sn(n,γ)^{121}Sn	23.2	^{120}Sn(d,t)^{119}Sn	5.0	^{13}C $^{35}Cl_2$ ^{37}Cl$-{}^{120}$Sn
^{120}Te	64.3	^{122}Te(p,t)^{120}Te	21.4	$C_9\ H_{12}-{}^{120}$Te	14.3	^{120}Te(^{3}He,d)^{121}I
^{121}Sn	43.0	^{121}Sn(β^-)^{121}Sb	29.9	^{120}Sn(n,γ)^{121}Sn	27.1	^{122}Sn(d,t)^{121}Sn
^{121}Sb	62.2	^{121}Sb(n,γ)^{122}Sb	22.0	^{121}Sn(β^-)^{121}Sb	6.5	$C_9\ H_{13}-{}^{121}$Sb
^{121}Te	74.3	^{121}Te(β^+)^{121}Sb	25.7	^{121}I(β^+)^{121}Te		
^{121}I	83.1	^{120}Te(^{3}He,d)^{121}I	13.7	^{121}I$-C_{10.083}$	3.1	^{121}I(β^+)^{121}Te
^{122}Sn	49.2	^{122}Sn(n,γ)^{123}Sn	39.9	^{122}Sn(d,t)^{121}Sn	10.9	^{124}Sn ^{35}Cl$-{}^{122}$Sn ^{37}Cl
^{122}Sb	46.5	^{122}Sb(β^-)^{122}Te	37.7	^{121}Sb(n,γ)^{122}Sb	15.8	^{123}Sb(γ,n)^{122}Sb

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{122}Te	91.8	^{122}Te(n,γ)^{123}Te	7.1	^{122}Sb(β^-)^{122}Te	0.6	^{122}Te(^{3}He,d)^{123}I
^{122}Cs	58.1	^{122}Cs$-^{133}$Cs$_{.917}$	41.9	^{122}Cs$-$C$_{10.167}$		
^{123}Sn	45.2	^{122}Sn(n,γ)^{123}Sn	43.5	^{124}Sn(d,t)^{123}Sn	11.3	^{123}Sn(β^-)^{123}Sb
^{123}Sb	78.7	^{123}Sb(n,γ)^{124}Sb	12.5	^{123}Sb(γ,n)^{122}Sb	5.3	^{123}Sn(β^-)^{123}Sb
^{123}Te	92.0	^{123}Te(n,γ)^{124}Te	8.0	^{122}Te(n,γ)^{123}Te		
^{123}I	96.2	^{122}Te(^{3}He,d)^{123}I	3.8	^{123}Xe(β^+)^{123}I		
^{123}Xe	62.0	^{123}Xe$-^{133}$Cs$_{.925}$	38.0	^{123}Xe(β^+)^{123}I		
^{124}Sn	70.5	^{124}Sn$-^{13}$C ^{37}Cl$_3$	24.2	^{124}Sn$-^{124}$Te	4.2	^{124}Sn(d,t)^{123}Sn
^{124}Sb	78.7	^{124}Sb(β^-)^{124}Te	21.3	^{123}Sb(n,γ)^{124}Sb		
^{124}Te	29.7	^{124}Sn$-^{124}$Te	25.1	^{124}Te$-^{13}$C ^{37}Cl$_3$	17.0	^{124}Te(n,γ)^{125}Te
^{124}Xe	57.3	^{124}Xe$-^{54}$Fe ^{35}Cl$_2$	24.6	^{124}Xe$-^{13}$C ^{37}Cl$_3$	16.9	^{124}Xe$-^{124}$Te
^{125}Te	83.0	^{124}Te(n,γ)^{125}Te	17.0	^{125}Te(n,γ)^{126}Te		
^{125}Xe	98.8	^{124}Xe(n,γ)^{125}Xe	1.2	^{125}Cs(β^+)^{125}Xe		
^{125}Cs	70.5	^{125}Cs$-^{133}$Cs$_{.940}$	29.5	^{125}Cs(β^+)^{125}Xe		
^{126}Te	83.0	^{125}Te(n,γ)^{126}Te	9.6	^{128}Te ^{35}Cl$-^{126}$Te ^{37}Cl	3.0	^{128}Te ^{35}Cl$-^{126}$Te ^{37}Cl
^{126}I	50.0	^{127}I(γ,n)^{126}I	50.0	^{126}I(β^+)^{126}Te		
^{127}Te	98.0	^{126}Te(n,γ)^{127}Te	2.0	^{127}Te(β^-)^{127}I		
^{127}I	32.9	^{127}I(γ,n)^{126}I	22.3	^{127}Te(β^-)^{127}I	19.9	C$_{10}$ H$_7-^{127}$I
^{127}Xe	91.5	^{127}Xe(ε)^{127}I	8.5	^{127}Cs(β^+)^{127}Xe		
^{127}Cs	81.6	^{127}Cs$-^{133}$Cs$_{.955}$	18.4	^{127}Cs(β^+)^{127}Xe		
^{128}Te	56.9	^{128}Te$-^{128}$Xe	15.8	^{130}Te ^{35}Cl$-^{128}$Te ^{37}Cl	14.6	^{128}Te ^{35}Cl$-^{126}$Te ^{37}Cl
^{128}I	87.9	^{127}I(n,γ)^{128}I	12.1	^{128}I(β^-)^{128}Xe		
^{128}Xe	76.7	C$_{10}$ H$_8-^{128}$Xe	20.5	^{128}Te$-^{128}$Xe	1.7	^{128}I(β^-)^{128}Xe
^{128}Cs	79.4	^{128}Cs(β^+)^{128}Xe	20.6	^{128}Cs$-^{133}$Cs$_{.962}$		
^{128}Ba	82.5	^{128}Ba$-^{133}$Cs$_{.962}$	17.5	^{130}Ba(p,t)^{128}Ba		
^{129}Te	91.8	^{128}Te(n,γ)^{129}Te	8.2	^{129}Te(β^-)^{129}I		
^{129}I	51.5	^{129}Te(β^-)^{129}I	38.8	^{129}I(β^-)^{129}Xe	9.7	^{129}I(n,γ)^{130}I
^{129}Xe	59.5	^{129}Xe$-$C$_2$ ^{35}Cl$_3$	39.2	^{129}Xe(n,γ)^{130}Xe	0.9	^{129}I(β^-)^{129}Xe
^{129}Cs	82.9	^{129}Cs(β^+)^{129}Xe	12.5	^{129}Cs$-^{133}$Cs$_{.970}$	4.6	^{129}Ba(β^+)^{129}Cs
^{129}Ba	51.5	^{130}Ba(d,t)^{129}Ba	48.5	^{129}Ba(β^+)^{129}Cs		
^{130}Sn	94.9	^{130}Sn$-$C$_{10.833}$	5.1	^{130}Sn(β^-)^{130}Sb		
^{130}Sb	85.6	^{130}Sn(β^-)^{130}Sb	14.4	^{130}Sb(β^-)^{130}Te		
^{130}Te	79.7	^{130}Te ^{35}Cl$-^{128}$Te ^{37}Cl	20.0	^{130}Te$-^{130}$Xe	0.2	^{130}Te(n,γ)^{131}Te
^{130}I	90.2	^{129}I(n,γ)^{130}I	9.7	^{130}I(β^-)^{130}Xe		
^{130}Xe	56.8	^{129}Xe(n,γ)^{130}Xe	21.2	^{13}C C$_8$ N H$_7-^{130}$Xe	19.3	^{130}Xe$-$C ^{13}C ^{35}Cl$_3$
^{130}Cs	47.7	^{130}Cs$-^{133}$Cs$_{.977}$	34.8	^{130}Cs(β^+)^{130}Xe	17.4	^{129}Xe(^{3}He,d)^{130}Cs
^{130}Ba	77.6	^{130}Ba$-^{85}$Rb$_{1.529}$	10.8	^{130}Ba(n,γ)^{131}Ba	8.9	^{132}Ba$-^{130}$Ba
^{131}Sn	55.3	^{131}Sn(β^-)^{131}Sb	44.7	^{131}Sn$-$C$_{10.917}$		
^{131}Sb	62.5	^{131}Sb(β^-)^{131}Te	37.5	^{131}Sn(β^-)^{131}Sb		
^{131}Te	99.8	^{130}Te(n,γ)^{131}Te	0.2	^{131}Sb(β^-)^{131}Te		
^{131}Xe	73.2	^{131}Xe$-$C$_2$ ^{35}Cl$_2$ ^{37}Cl	25.9	^{131}Xe(n,γ)^{132}Xe	0.9	^{131}Cs(ε)^{131}Xe
^{131}Cs	60.2	^{131}Cs(ε)^{131}Xe	25.0	^{131}Ba(β^+)^{131}Cs	14.8	^{131}Cs$-^{133}$Cs$_{.985}$
^{131}Ba	89.1	^{130}Ba(n,γ)^{131}Ba	6.2	^{131}Ba(β^+)^{131}Cs	4.6	^{131}Ba$-^{133}$Cs$_{.985}$
^{132}Sn	66.2	^{132}Sn$-$C$_{11}$	33.8	^{132}Sn(β^-)^{132}Sb		
^{132}Sb	54.2	^{132}Sn(β^-)^{132}Sb	45.8	^{132}Sb(β^-)^{132}Te		
^{132}Te	93.9	^{132}Te(β^-)^{132}I	6.1	^{132}Sb(β^-)^{132}Te		
^{132}I	95.8	^{132}I(β^-)^{132}Xe	4.2	^{132}Te(β^-)^{132}I		
^{132}Xe	73.0	^{131}Xe(n,γ)^{132}Xe	24.5	^{132}Xe$-$C ^{13}C ^{35}Cl$_2$ ^{37}Cl	2.4	^{132}Cs(β^+)^{132}Xe
^{132}Cs	90.2	^{133}Cs(γ,n)^{132}Cs	9.8	^{132}Cs(β^+)^{132}Xe		
^{132}Ba	98.8	^{132}Ba(n,γ)^{133}Ba	1.2	^{132}Ba$-^{130}$Ba		
^{132}Ce	54.2	^{132}Ce$-$C$_{11}$	45.8	^{132}Ce O$-^{142}$Sm$_{1.042}$		
^{133}Cs	82.8	^{133}Cs$-$C$_3$ O$_6$	17.2	^{133}Cs$-$C$_{10}$ H$_{12}$		
^{133}Ba	99.0	^{133}Ba(ε)^{133}Cs	1.0	^{132}Ba(n,γ)^{133}Ba		
^{134}Cs	100.0	^{133}Cs(n,γ)^{134}Cs				
^{134}Ba	99.2	^{134}Cs(β^-)^{134}Ba	0.8	^{134}Ba(n,γ)^{135}Ba		
^{135}I	94.0	^{135}I(β^-)^{135}Xe	5.6	^{136}Xe(d,^{3}He)^{135}I	0.4	^{136}Te(β^-n)^{135}I
^{135}Xe	97.8	^{135}Xe(β^-)^{135}Cs	2.2	^{135}I(β^-)^{135}Xe		
^{135}Cs	99.9	^{134}Cs(n,γ)^{135}Cs	0.1	^{135}Xe(β^-)^{135}Cs		
^{135}Ba	99.2	^{134}Ba(n,γ)^{135}Ba	0.8	^{135}Ba(n,γ)^{136}Ba		
^{136}Te	80.1	^{136}Te(β^-n)^{135}I	19.9	^{136}Te(β^-)^{136}I		
^{136}I	74.0	^{136}I(β^-)^{136}Xe	26.0	^{136}Te(β^-)^{136}I		

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{136}Xe	60.1	$C_{10}H_{16}-{}^{136}$Xe	34.4	^{136}Xe(^{3}He,d)^{137}Cs	5.2	^{136}Xe(d,^{3}He)^{135}I
^{136}Ba	99.2	^{135}Ba(n,γ)^{136}Ba	0.8	^{136}Ba(n,γ)^{137}Ba		
^{136}Ce	62.5	^{136}Ce(n,γ)^{137}Ce	29.8	^{136}Pr(β^+)^{136}Ce	7.8	^{138}Ce$-{}^{136}$Ce
^{136}Pr	77.0	^{136}Pr$-{}^{133}$Cs$_{1.023}$	23.0	^{136}Pr(β^+)^{136}Ce		
^{137}Cs	99.9	^{137}Cs(β^-)^{137}Ba	0.1	^{136}Xe(^{3}He,d)^{137}Cs		
^{137}Ba	99.1	^{136}Ba(n,γ)^{137}Ba	0.8	^{137}Ba(n,γ)^{138}Ba	0.1	^{137}Cs(β^-)^{137}Ba
^{137}Ce	62.5	^{137}Pr(β^+)^{137}Ce	37.5	^{136}Ce(n,γ)^{137}Ce		
^{137}Pr	71.2	^{137}Pr$-{}^{133}$Cs$_{1.030}$	24.3	^{137}Pr(β^+)^{137}Ce	4.5	^{137}Nd(β^+)^{137}Pr
^{137}Nd	77.5	^{137}Nd$-{}^{133}$Cs$_{1.030}$	16.9	^{137}Nd$-$C$_{11.417}$	4.3	^{137}Nd(β^+)^{137}Pr
^{137}Pm^m	69.9	^{137}Pm^m(β^+)^{137}Nd	30.1	^{137}Sm(β^+)^{137}Pm^m		
^{137}Sm	77.5	^{137}Sm$-$C$_{11.417}$	22.5	^{137}Sm(β^+)^{137}Pm^m		
^{138}Cs	50.7	^{138}Cs(β^-)^{138}Ba	49.3	^{138}Cs$-{}^{133}$Cs$_{1.038}$		
^{138}Ba	99.2	^{137}Ba(n,γ)^{138}Ba	0.7	^{138}Ba(n,γ)^{139}Ba	0.1	^{138}Cs(β^-)^{138}Ba
^{138}Ce	67.6	^{138}Ce(t,p)^{140}Ce	28.0	^{140}Ce$-{}^{138}$Ce	4.4	^{138}Ce$-{}^{136}$Ce
^{139}Ba	99.2	^{138}Ba(n,γ)^{139}Ba	0.8	^{139}Ba(β^-)^{139}La		
^{139}La	58.7	^{139}Ba(β^-)^{139}La	41.1	^{139}La(n,γ)^{140}La	0.2	^{139}Ce(ε)^{139}La
^{139}Ce	98.4	^{139}Ce(ε)^{139}La	1.6	^{139}Pr(β^+)^{139}Ce		
^{139}Pr	98.2	^{139}Pr(β^+)^{139}Ce	1.8	^{139}Nd(β^+)^{139}Pr		
^{139}Nd	61.6	^{139}Pm(β^+)^{139}Nd	26.1	^{139}Nd(β^+)^{139}Pr	12.3	^{139}Nd$-$C$_{11.583}$
^{139}Pm	93.1	^{139}Pm$-{}^{133}$Cs$_{1.045}$	6.9	^{139}Pm(β^+)^{139}Nd		
^{140}Cs	79.1	^{140}Cs$-{}^{133}$Cs$_{1.053}$	20.9	^{140}Cs(β^-)^{140}Ba		
^{140}Ba	37.3	^{140}Ba(β^-)^{140}La	37.2	^{140}Ba$-{}^{133}$Cs$_{1.053}$	19.3	^{140}Cs(β^-)^{140}Ba
^{140}La	58.8	^{139}La(n,γ)^{140}La	39.0	^{140}La(β^-)^{140}Ce	2.2	^{140}Ba(β^-)^{140}La
^{140}Ce	46.2	^{140}Ce(n,γ)^{141}Ce	44.7	^{140}La(β^-)^{140}Ce	5.9	^{140}Ce(t,p)^{142}Ce
^{141}Cs	49.9	^{141}Cs$-{}^{133}$Cs$_{1.060}$	36.5	^{141}Cs(β^-)^{141}Ba	11.4	^{141}Cs(β^-n)^{140}Ba
^{141}Ba	63.3	^{141}Ba$-{}^{133}$Cs$_{1.060}$	20.3	^{141}Ba(β^-)^{141}La	16.4	^{141}Cs(β^-)^{141}Ba
^{141}La	94.6	^{141}La(β^-)^{141}Ce	5.4	^{141}Ba(β^-)^{141}La		
^{141}Ce	53.7	^{140}Ce(n,γ)^{141}Ce	44.8	^{141}Ce(β^-)^{141}Pr	1.5	^{141}La(β^-)^{141}Ce
^{141}Pr	52.9	^{141}Pr(n,γ)^{142}Pr	47.1	^{141}Ce(β^-)^{141}Pr		
^{141}Sm	48.8	^{144}Sm(^{3}He,^{6}He)^{141}Sm	43.8	^{141}Sm$-{}^{133}$Cs$_{1.060}$	7.5	^{141}Eu(β^+)^{141}Sm
^{141}Eu	81.9	^{141}Eu$-{}^{133}$Cs$_{1.060}$	18.1	^{141}Eu(β^+)^{141}Sm		
^{142}Cs	50.6	^{142}Cs$-{}^{133}$Cs$_{1.068}$	42.1	^{142}Cs(β^-)^{142}Ba	7.0	^{142}Cs$-{}^{143}$Cs$_{.497}$ ^{141}Cs$_{.504}$
^{142}Ba	54.1	^{142}Ba(β^-)^{142}La	36.8	^{142}Ba$-{}^{133}$Cs$_{1.068}$	9.1	^{142}Cs(β^-)^{142}Ba
^{142}La	70.4	^{142}La(β^-)^{142}Ce	29.6	^{142}Ba(β^-)^{142}La		
^{142}Ce	67.4	^{142}Ce(n,γ)^{143}Ce	17.5	^{140}Ce(t,p)^{142}Ce	8.9	^{142}Ce$-{}^{140}$Ce
^{142}Pr	52.9	^{142}Pr(β^-)^{142}Nd	47.1	^{141}Pr(n,γ)^{142}Pr		
^{142}Nd	62.3	^{142}Nd(n,γ)^{143}Nd	28.7	^{142}Pr(β^-)^{142}Nd	6.3	^{175}Lu ^{37}Cl$-{}^{142}$Nd ^{35}Cl$_2$
^{142}Sm	18.9	^{142}Sm$-{}^{133}$Cs$_{1.068}$	13.9	^{158}Yb$-{}^{142}$Sm$_{1.113}$	12.4	^{144}Sm(p,t)^{142}Sm
^{143}Cs	68.9	^{143}Cs(β^-)^{143}Ba	18.0	^{143}Cs$-{}^{144}$Cs$_{.662}$ ^{141}Cs$_{.338}$	9.0	^{142}Cs$-{}^{143}$Cs$_{.497}$ ^{141}Cs$_{.504}$
^{143}Ba	79.0	^{143}Ba$-{}^{133}$Cs$_{1.075}$	13.8	^{143}Ba(β^-)^{143}La	7.2	^{143}Cs(β^-)^{143}Ba
^{143}La	79.8	^{143}La(β^-)^{143}Ce	20.2	^{143}Ba(β^-)^{143}La		
^{143}Ce	66.8	^{143}Ce(β^-)^{143}Pr	32.6	^{142}Ce(n,γ)^{143}Ce	0.6	^{143}La(β^-)^{143}Ce
^{143}Pr	83.7	^{143}Pr(β^-)^{143}Nd	16.3	^{143}Ce(β^-)^{143}Pr		
^{143}Nd	37.6	^{142}Nd(n,γ)^{143}Nd	34.2	^{143}Nd(n,γ)^{144}Nd	20.0	^{176}Lu ^{37}Cl$-{}^{143}$Nd ^{35}Cl$_2$
^{143}Pm	59.6	^{143}Nd(^{3}He,d)^{144}Pm$-{}^{142}$Nd()^{143}Pm	22.7	^{142}Nd(^{3}He,d)^{143}Pm	17.6	^{147}Eu(α)^{143}Pm
^{143}Sm	100.0	^{144}Sm(p,d)^{143}Sm$-{}^{148}$Gd()^{147}Gd				
^{144}Cs	56.5	^{144}Cs(β^-)^{144}Ba	32.7	^{144}Cs$-{}^{145}$Cs$_{.662}$ ^{142}Cs$_{.338}$	8.5	^{143}Cs$-{}^{144}$Cs$_{.662}$ ^{141}Cs$_{.338}$
^{144}Ba	91.3	^{144}Ba$-{}^{133}$Cs$_{1.083}$	6.8	^{144}Cs(β^-)^{144}Ba	1.9	^{144}Ba(β^-)^{144}La
^{144}La	53.1	^{144}La(β^-)^{144}Ce	46.9	^{144}Ba(β^-)^{144}La		
^{144}Ce	99.9	^{144}Ce(β^-)^{144}Pr	0.1	^{144}La(β^-)^{144}Ce		
^{144}Pr	99.9	^{144}Pr(β^-)^{144}Nd	0.1	^{144}Ce(β^-)^{144}Pr		
^{144}Nd	65.8	^{143}Nd(n,γ)^{144}Nd	27.5	^{144}Nd(n,γ)^{145}Nd	5.6	^{144}Sm$-{}^{144}$Nd
^{144}Pm	50.1	^{144}Nd(^{3}He,d)^{145}Pm$-{}^{143}$Nd()^{144}Pm	29.5	^{143}Nd(^{3}He,d)^{144}Pm$-{}^{142}$Nd()^{143}Pm	19.6	^{143}Nd(^{3}He,d)^{144}Pm
^{144}Sm	43.1	^{144}Sm$-{}^{144}$Nd	27.9	^{144}Sm(n,γ)^{145}Sm	10.9	^{148}Gd(α)^{144}Sm
^{144}Eu	46.8	^{144}Eu$-{}^{133}$Cs$_{1.083}$	38.2	^{144}Eu(β^+)^{144}Sm	15.0	^{144}Eu$-$C$_{12}$
^{145}Cs	94.1	^{145}Cs$-{}^{133}$Cs$_{1.090}$	2.8	^{145}Cs$-{}^{147}$Cs$_{.493}$ ^{143}Cs$_{.507}$	1.5	^{144}Cs$-{}^{145}$Cs$_{.662}$ ^{142}Cs$_{.338}$
^{145}Pr	50.0	^{145}Pr(β^-)^{145}Nd	50.0	^{146}Nd(d,^{3}He)^{145}Pr		
^{145}Nd	71.3	^{144}Nd(n,γ)^{145}Nd	27.9	^{145}Nd(n,γ)^{146}Nd	0.7	^{145}Pm(ε)^{145}Nd
^{145}Pm	37.0	^{144}Nd(^{3}He,d)^{145}Pm$-{}^{143}$Nd()^{144}Pm	26.4	^{145}Sm(ε)^{145}Pm	18.3	^{144}Nd(^{3}He,d)^{145}Pm
^{145}Sm	71.5	^{144}Sm(n,γ)^{145}Sm	13.4	^{145}Sm(ε)^{145}Pm	8.3	^{146}Sm(^{3}He,α)^{145}Sm
^{145}Eu	88.8	^{144}Sm(^{3}He,d)^{145}Eu	11.2	^{149}Tb(α)^{145}Eu		

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{146}Cs	41.5	^{146}Cs(β^-)^{146}Ba	37.8	^{145}Cs−^{146}Cs$_{.662}$ ^{143}Cs$_{.338}$	20.7	^{145}Cs−^{146}Cs$_{.497}$ ^{144}Cs$_{.503}$
^{146}Ba	51.5	^{146}Cs(β^-)^{146}Ba	48.5	^{146}Ba(β^-)^{146}La		
^{146}La	58.1	^{146}La(β^-)^{146}Ce	41.9	^{146}Ba(β^-)^{146}La		
^{146}Ce	69.8	^{146}Ce(β^-)^{146}Pr	30.2	^{146}La(β^-)^{146}Ce		
^{146}Pr	76.1	^{146}Pr(β^-)^{146}Nd	23.9	^{146}Ce(β^-)^{146}Pr		
^{146}Nd	71.9	^{145}Nd(n,γ)^{146}Nd	22.8	^{146}Nd(n,γ)^{147}Nd	2.6	^{149}Sm(n,α)^{146}Nd
^{146}Sm	46.8	^{146}Sm(α)^{142}Nd	28.5	^{146}Sm(^{3}He,α)^{145}Sm	12.4	^{148}Sm(p,t)^{146}Sm
^{146}Eu	45.3	^{146}Eu(β^+)^{146}Sm	23.4	^{144}Sm(^{3}He,p)^{146}Eu	19.9	^{146}Eu−^{133}Cs$_{1.098}$
^{146}Gd	91.2	^{148}Gd(p,t)^{146}Gd	8.6	^{150}Dy(α)^{146}Gd	0.2	^{146}Tb(β^+)^{146}Gd
^{146}Tb	81.0	^{146}Tb(β^+)^{146}Gd	19.0	^{146}Dy(β^+)^{146}Tb		
^{146}Dy	94.1	^{146}Dy−C$_{12.167}$	5.9	^{146}Dy(β^+)^{146}Tb		
^{147}Cs	79.2	^{147}Cs−^{133}Cs$_{1.105}$	20.8	^{145}Cs−^{147}Cs$_{.493}$ ^{143}Cs$_{.507}$		
^{147}Nd	77.1	^{146}Nd(n,γ)^{147}Nd	22.6	^{147}Nd(β^-)^{147}Pm	0.3	^{148}Nd(d,t)^{147}Nd
^{147}Pm	57.7	^{147}Nd(β^-)^{147}Pm	42.3	^{147}Pm(β^-)^{147}Sm		
^{147}Sm	55.8	^{147}Pm(β^-)^{147}Sm	33.0	^{147}Sm(n,γ)^{148}Sm	9.0	^{149}Sm ^{35}Cl−^{147}Sm ^{37}Cl
^{147}Eu	54.8	^{147}Eu(β^+)^{147}Sm	17.9	^{147}Gd(β^+)^{147}Eu	15.7	^{147}Eu(α)^{143}Pm
^{147}Gd	83.6	^{148}Gd(p,d)^{147}Gd−^{148}Sm()^{147}Sm	12.9	^{147}Gd(β^+)^{147}Eu	3.5	^{104}Ru(d,t)^{103}Ru−^{148}Gd()^{147}Gd
^{148}Cs	100.0	^{145}Cs−^{148}Cs$_{.392}$ ^{143}Cs$_{.608}$				
^{148}Nd	60.3	^{148}Nd ^{35}Cl−^{146}Nd ^{37}Cl	16.6	^{148}Nd(d,t)^{147}Nd	11.3	^{148}Nd ^{35}Cl$_2$−^{144}Nd ^{37}Cl$_2$
^{148}Sm	64.1	^{147}Sm(n,γ)^{148}Sm	17.1	^{150}Sm ^{35}Cl−^{148}Sm ^{37}Cl	9.8	^{148}Sm(n,γ)^{149}Sm
^{148}Eu	53.4	^{148}Eu−^{133}Cs$_{1.113}$	35.9	^{148}Eu−^{142}Sm$_{1.042}$	10.7	^{148}Eu(α)^{144}Pm
^{148}Gd	89.2	^{148}Gd(α)^{144}Sm	8.1	^{148}Gd(p,d)^{147}Gd−^{148}Sm()^{147}Sm	2.0	^{148}Gd(p,t)^{146}Gd
^{148}Tb	88.0	^{148}Dy(β^+)^{148}Tb	12.0	^{148}Tb(β^+)^{148}Gd		
^{148}Dy	93.4	^{148}Dy−C$_{12.333}$	6.6	^{148}Dy(β^+)^{148}Tb		
^{149}Nd	98.7	^{148}Nd(n,γ)^{149}Nd	1.3	^{149}Nd(β^-)^{149}Pm		
^{149}Pm	47.2	^{149}Pm(β^-)^{149}Sm	42.2	^{148}Nd(^{3}He,d)^{149}Pm	10.6	^{149}Nd(β^-)^{149}Pm
^{149}Sm	64.3	^{149}Sm(n,γ)^{150}Sm	13.8	^{148}Sm(n,γ)^{149}Sm	13.6	^{149}Sm ^{35}Cl−^{147}Sm ^{37}Cl
^{149}Eu	53.3	^{151}Eu(p,t)^{149}Eu	28.4	^{149}Gd(ε)^{149}Eu	13.4	^{149}Eu(ε)^{149}Sm
^{149}Gd	50.6	^{149}Gd(α)^{145}Sm	22.0	^{153}Dy(α)^{149}Gd	19.2	^{149}Gd(ε)^{149}Eu
^{149}Tb	83.6	^{149}Tb(α)^{145}Eu	10.9	^{149}Tb(β^+)^{149}Gd	5.5	^{149}Dy(β^+)^{149}Tb
^{149}Dy	40.1	^{149}Dy(β^+)^{149}Tb	28.7	^{149}Dy−^{142}Sm$_{1.049}$	21.4	^{153}Er(α)^{149}Dy
^{150}Nd	58.2	^{150}Nd−^{150}Sm	28.4	^{150}Nd ^{35}Cl$_2$−^{146}Nd ^{37}Cl$_2$	9.6	^{150}Nd−^{148}Nd
^{150}Sm	40.9	^{150}Sm(n,γ)^{151}Sm	30.5	^{149}Sm(n,γ)^{150}Sm	21.5	^{150}Sm ^{35}Cl−^{148}Sm ^{37}Cl
^{150}Eu	53.9	^{150}Eu(β^-)^{150}Gd	46.1	^{151}Eu(p,d)^{150}Eu		
^{150}Gd	39.3	^{150}Gd(α)^{146}Sm	37.2	^{150}Eu(β^-)^{150}Gd	11.8	^{150}Tb(β^+)^{150}Gd
^{150}Tb	80.5	^{150}Tb(α)^{146}Eu	19.5	^{150}Tb(β^+)^{150}Gd		
^{150}Dy	90.4	^{150}Dy(α)^{146}Gd	7.2	^{154}Er(α)^{150}Dy	2.4	^{150}Ho(ε)^{150}Dy
^{150}Ho	53.3	^{150}Ho−^{133}Cs$_{1.128}$	26.7	^{150}Ho(ε)^{150}Dy	20.0	^{150}Er(β^+)^{150}Ho
^{150}Er	62.1	^{150}Er(β^+)^{150}Ho	37.9	^{150}Er−C$_{12.5}$		
^{151}Pm	77.1	^{150}Nd(^{3}He,d)^{151}Pm	22.9	^{151}Pm(β^-)^{151}Sm		
^{151}Sm	58.6	^{150}Sm(n,γ)^{151}Sm	25.5	^{151}Sm(β^-)^{151}Eu	15.6	^{151}Sm(n,γ)^{152}Sm
^{151}Eu	55.3	^{151}Sm(β^-)^{151}Eu	40.1	^{151}Eu(n,γ)^{152}Eu	1.8	^{151}Eu(p,t)^{149}Eu
^{151}Gd	84.4	^{151}Gd(ε)^{151}Eu	15.6	^{151}Tb(β^+)^{151}Gd		
^{151}Tb	50.8	^{151}Tb(β^+)^{151}Gd	49.2	^{151}Tb(α)^{147}Eu		
^{152}Nd	66.3	^{150}Nd(t,p)^{152}Nd	33.7	^{152}Nd(β^-)^{152}Pm		
^{152}Pm	51.3	^{152}Nd(β^-)^{152}Pm	48.7	^{152}Pm(β^-)^{152}Sm		
^{152}Sm	44.5	^{151}Sm(n,γ)^{152}Sm	20.6	^{154}Sm ^{35}Cl−^{152}Sm ^{37}Cl	20.1	^{152}Eu(β^+)^{152}Sm
^{152}Eu	59.4	^{151}Eu(n,γ)^{152}Eu	25.8	^{152}Eu(n,γ)^{153}Eu	14.8	^{152}Eu(β^+)^{152}Sm
^{153}Pm	52.1	^{153}Pm(β^-)^{153}Sm	47.9	^{154}Sm(d,^{3}He)^{153}Pm		
^{153}Sm	100.0	^{152}Sm(n,γ)^{153}Sm				
^{153}Eu	74.0	^{152}Eu(n,γ)^{153}Eu	26.0	^{153}Eu(n,γ)^{154}Eu		
^{153}Gd	97.4	^{153}Gd(n,γ)^{154}Gd	2.6	^{153}Tb(β^+)^{153}Gd		
^{153}Tb	58.1	^{153}Tb(β^+)^{153}Gd	41.9	^{153}Dy(β^+)^{153}Tb		
^{153}Dy	51.8	^{153}Dy(β^+)^{153}Tb	48.2	^{153}Dy(α)^{149}Gd		
^{153}Er	78.2	^{153}Er(α)^{149}Dy	11.8	^{157}Yb(α)^{153}Er	10.0	^{153}Er−C$_{12.75}$
^{154}Sm	65.5	^{154}Sm ^{35}Cl−^{152}Sm ^{37}Cl	26.8	^{154}Sm−^{154}Gd	7.5	C$_{12}$ H$_{10}$−^{154}Sm
^{154}Eu	72.9	^{153}Eu(n,γ)^{154}Eu	19.9	^{154}Eu(β^-)^{154}Gd	6.8	^{154}Eu(n,γ)^{155}Eu
^{154}Gd	49.7	^{154}Gd(n,γ)^{155}Gd	27.3	^{154}Eu(β^-)^{154}Gd	20.4	^{154}Sm−^{154}Gd
^{154}Dy	81.4	^{154}Dy(α)^{150}Gd	18.6	^{154}Dy−^{133}Cs$_{1.158}$		
^{154}Er	90.5	^{154}Er(α)^{150}Dy	9.5	^{158}Yb(α)^{154}Er		
^{155}Eu	91.6	^{154}Eu(n,γ)^{155}Eu	8.1	^{155}Eu(β^-)^{155}Gd	0.3	^{158}Gd(t,α)^{157}Eu−^{156}Gd()^{155}Eu

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{155}Gd	49.7	^{154}Gd(n,γ)^{155}Gd	38.5	^{155}Gd(n,γ)^{156}Gd	9.0	^{155}Eu(β^-)^{155}Gd
^{156}Sm	86.4	^{156}Sm(β^-)^{156}Eu	13.6	^{154}Sm(t,p)^{156}Sm		
^{156}Eu	67.8	^{156}Eu(β^-)^{156}Gd	28.1	^{154}Eu(t,p)^{156}Eu	4.1	^{156}Sm(β^-)^{156}Eu
^{156}Gd	61.4	^{155}Gd(n,γ)^{156}Gd	40.1	^{156}Gd(n,γ)^{157}Gd	1.2	^{160}Gd ^{35}Cl$_2$−^{156}Gd ^{37}Cl$_2$
^{156}Tb	100.0	^{155}Gd(α,t)^{156}Tb−^{158}Gd()^{159}Tb				
^{156}Dy	54.0	^{158}Dy ^{35}Cl−^{156}Dy ^{37}Cl	31.9	^{156}Dy(d,p)^{157}Dy	14.2	^{158}Dy(p,t)^{156}Dy
^{157}Eu	88.7	^{158}Gd(t,α)^{157}Eu−^{156}Gd()^{155}Eu	11.3	^{157}Eu(β^-)^{157}Gd		
^{157}Gd	58.6	^{156}Gd(n,γ)^{157}Gd	29.6	^{157}Gd(n,γ)^{158}Gd	7.6	^{159}Tb ^{35}Cl−^{157}Gd ^{37}Cl
^{157}Tb	94.0	^{157}Tb(ε)^{157}Gd	6.0	^{156}Gd(α,t)^{157}Tb−^{158}Gd()^{159}Tb		
^{157}Dy	65.9	^{158}Dy(d,t)^{157}Dy	34.1	^{156}Dy(d,p)^{157}Dy		
^{157}Yb	83.6	^{157}Yb(α)^{153}Er	13.2	^{157}Yb−$C_{13.083}$	3.3	^{161}Hf(α)^{157}Yb
^{158}Gd	69.9	^{157}Gd(n,γ)^{158}Gd	7.5	^{160}Gd(α,t)^{161}Tb−^{158}Gd()^{159}Tb	7.3	^{160}Gd ^{35}Cl−^{158}Gd ^{37}Cl
^{158}Tb	36.6	^{157}Gd(α,t)^{158}Tb−^{158}Gd()^{159}Tb	36.3	^{159}Tb(d,t)^{158}Tb−^{164}Dy()^{163}Dy	16.3	^{158}Gd(d,t)^{157}Gd−^{159}Tb()^{158}Tb
^{158}Dy	66.0	^{160}Dy(p,t)^{158}Dy	18.2	^{160}Dy ^{35}Cl−^{158}Dy ^{37}Cl	15.8	^{158}Tb(β^-)^{158}Dy
^{158}Er	81.4	^{158}Er−$C_{13.167}$	18.6	^{158}Tm(β^+)^{158}Er		
^{158}Tm	81.4	^{158}Tm−$C_{13.167}$	18.6	^{158}Tm(β^+)^{158}Er		
^{158}Yb	69.7	^{158}Yb(α)^{154}Er	30.3	^{158}Yb−^{142}Sm$_{1.113}$		
^{159}Eu	100.0	^{160}Gd(t,α)^{159}Eu−^{158}Gd()^{157}Eu				
^{159}Gd	92.6	^{158}Gd(n,γ)^{159}Gd	7.4	^{159}Gd(β^-)^{159}Tb		
^{159}Tb	19.5	^{159}Tb ^{35}Cl−^{157}Gd ^{37}Cl	17.2	^{159}Gd(β^-)^{159}Tb	15.1	^{161}Dy ^{35}Cl−^{159}Tb ^{37}Cl
^{159}Dy	68.3	^{159}Dy(ε)^{159}Tb	31.7	^{161}Dy(p,t)^{159}Dy		
^{160}Gd	26.7	^{160}Gd ^{35}Cl−^{158}Gd ^{37}Cl	26.1	^{160}Gd(α,t)^{161}Tb−^{158}Gd()^{159}Tb	24.3	^{160}Gd−^{160}Dy
^{160}Tb	94.3	^{159}Tb(n,γ)^{160}Tb	5.7	^{160}Tb(n,γ)^{161}Tb		
^{160}Dy	77.0	^{160}Dy(n,γ)^{161}Dy	21.3	^{160}Gd−^{160}Dy	1.4	^{160}Dy(p,t)^{158}Dy
^{161}Tb	77.0	^{160}Tb(n,γ)^{161}Tb	23.0	^{160}Gd(α,t)^{161}Tb−^{158}Gd()^{159}Tb		
^{161}Dy	52.4	^{161}Dy(n,γ)^{162}Dy	22.9	^{160}Dy(n,γ)^{161}Dy	13.6	^{161}Dy ^{35}Cl−^{159}Tb ^{37}Cl
^{161}Ho	100.0	^{160}Dy(^{3}He,d)^{161}Ho−^{164}Dy()^{165}Ho				
^{161}Hf	65.0	^{161}Hf−$C_{13.417}$	19.5	^{161}Hf(α)^{157}Yb	15.5	^{165}W(α)^{161}Hf
^{162}Dy	93.3	^{162}Dy(n,γ)^{163}Dy	47.6	^{161}Dy(n,γ)^{162}Dy		
^{162}Ho	100.0	^{161}Dy(^{3}He,d)^{162}Ho−^{164}Dy()^{165}Ho				
^{162}Er	47.3	^{164}Er ^{35}Cl−^{162}Er ^{37}Cl	31.9	^{162}Er ^{35}Cl−^{160}Gd ^{37}Cl	16.2	^{162}Er ^{35}Cl$_2$−^{158}Gd ^{37}Cl$_2$
^{163}Dy	51.5	^{163}Dy(n,γ)^{164}Dy	41.8	^{163}Ho(ε)^{163}Dy	6.6	^{162}Dy(n,γ)^{163}Dy
^{163}Ho	58.3	^{163}Ho(ε)^{163}Dy	41.0	^{162}Dy(^{3}He,d)^{163}Ho−^{164}Dy()^{165}Ho	0.8	^{163}Er(β^+)^{163}Ho
^{163}Er	59.4	^{163}Er(β^+)^{163}Ho	20.6	^{164}Er(d,t)^{163}Er	20.0	^{162}Er(d,p)^{163}Er
^{164}Dy	48.0	^{163}Dy(n,γ)^{164}Dy	41.0	^{162}Dy(^{3}He,d)^{163}Ho−^{164}Dy()^{165}Ho	10.6	^{158}Gd(α,t)^{159}Tb−^{164}Dy()^{165}Ho
^{164}Ho	67.1	^{163}Dy(^{3}He,d)^{164}Ho−^{164}Dy()^{165}Ho	32.9	^{165}Ho(γ,n)^{164}Ho		
^{164}Er	38.1	^{164}Er(n,γ)^{165}Er	31.8	^{166}Er ^{35}Cl−^{164}Er ^{37}Cl	19.1	^{164}Er ^{35}Cl−^{162}Er ^{37}Cl
^{165}Ho	39.0	^{165}Ho(n,γ)^{166}Ho	36.1	^{162}Dy(^{3}He,d)^{163}Ho−^{164}Dy()^{165}Ho	13.9	^{169}Tm ^{35}Cl$_2$−^{165}Ho ^{37}Cl$_2$
^{165}Er	56.1	^{164}Er(n,γ)^{165}Er	23.6	^{167}Er(p,t)^{165}Er	10.2	^{165}Tm(β^+)^{165}Er
^{165}Tm	49.7	^{164}Er(α,t)^{165}Tm−^{168}Er()^{169}Tm	48.2	^{165}Tm(β^+)^{165}Er	2.1	^{165}Tm−^{142}Sm$_{1.162}$
^{165}W	79.9	^{165}W−$C_{13.75}$	20.1	^{165}W(α)^{161}Hf		
^{166}Ho	61.0	^{165}Ho(n,γ)^{166}Ho	39.0	^{166}Ho(β^-)^{166}Er		
^{166}Er	62.5	^{166}Er(n,γ)^{167}Er	33.6	^{166}Ho(β^-)^{166}Er	2.6	^{166}Er ^{35}Cl−^{164}Er ^{37}Cl
^{167}Er	39.7	^{167}Er(n,γ)^{168}Er	36.6	^{166}Er(n,γ)^{167}Er	10.1	^{169}Tm ^{35}Cl−^{167}Er ^{37}Cl
^{167}Tm	99.1	^{166}Er(α,t)^{167}Tm−^{168}Er()^{169}Tm	0.9	^{167}Yb(β^+)^{167}Tm		
^{167}Yb	90.1	^{167}Yb(β^+)^{167}Tm	9.9	^{168}Yb(d,t)^{167}Yb		
^{168}Er	60.0	^{167}Er(n,γ)^{168}Er	11.1	^{170}Er(α,t)^{171}Tm−^{168}Er()^{169}Tm	7.7	^{164}Er(α,t)^{165}Tm−^{168}Er()^{169}Tm
^{168}Tm	100.0	^{167}Er(α,t)^{168}Tm−^{168}Er()^{169}Tm				
^{168}Yb	54.2	^{168}Yb(n,γ)^{169}Yb	37.4	^{170}Yb(p,t)^{168}Yb	8.5	^{168}Yb(d,t)^{167}Yb
^{169}Er	92.4	^{168}Er(n,γ)^{169}Er	7.6	^{169}Er(β^-)^{169}Tm		
^{169}Tm	46.9	^{169}Tm(n,γ)^{170}Tm	11.6	^{170}Er(α,t)^{171}Tm−^{168}Er()^{169}Tm	10.2	^{169}Tm ^{35}Cl$_2$−^{165}Ho ^{37}Cl$_2$
^{169}Yb	54.2	^{171}Yb(p,t)^{169}Yb	45.8	^{168}Yb(n,γ)^{169}Yb		
^{169}W	69.5	^{173}Os(α)^{169}W	30.5	^{169}W−$C_{14.083}$		
^{169}Re	72.0	^{173}Ir^m(α)^{169}Re	28.0	^{169}Re−$C_{14.083}$		
^{170}Er	59.2	^{170}Er(α,t)^{171}Tm−^{168}Er()^{169}Tm	29.3	^{170}Er(n,γ)^{171}Er	10.0	^{170}Er ^{35}Cl−^{168}Er ^{37}Cl
^{170}Tm	52.3	^{169}Tm(n,γ)^{170}Tm	47.7	^{170}Tm(β^-)^{170}Yb		
^{170}Yb	76.5	^{170}Yb(n,γ)^{171}Yb	30.6	^{170}Tm(β^-)^{170}Yb	0.5	^{170}Yb(p,t)^{168}Yb
^{171}Er	68.8	^{170}Er(n,γ)^{171}Er	31.2	^{171}Er(β^-)^{171}Tm		
^{171}Tm	93.2	^{171}Tm(β^-)^{171}Yb	7.3	^{171}Er(β^-)^{171}Tm		
^{171}Yb	73.1	^{171}Yb(n,γ)^{172}Yb	11.0	^{170}Yb(n,γ)^{171}Yb	9.9	^{171}Lu(β^+)^{171}Yb
^{171}Lu	69.0	^{170}Yb(α,t)^{171}Lu−^{174}Yb()^{175}Lu	31.0	^{171}Lu(β^+)^{171}Yb		

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{171}Os	90.0	^{171}Os−C$_{14.25}$	10.0	^{175}Pt(α)^{171}Os		
^{172}Er	87.4	^{170}Er(t,p)^{172}Er	12.6	^{172}Er(β^-)^{172}Tm		
^{172}Tm	69.9	^{172}Er(β^-)^{172}Tm	30.1	^{172}Tm(β^-)^{172}Yb		
^{172}Yb	70.0	^{172}Yb(n,γ)^{173}Yb	26.5	^{171}Yb(n,γ)^{172}Yb	3.3	^{172}Yb ^{35}Cl$_2$−^{168}Er ^{37}Cl$_2$
^{172}Lu	100.0	^{171}Yb(α,t)^{172}Lu−^{174}Yb()^{175}Lu				
^{173}Yb	57.0	^{173}Yb(n,γ)^{174}Yb	28.1	^{172}Yb(n,γ)^{173}Yb	11.9	^{175}Lu ^{35}Cl−^{173}Yb ^{37}Cl
^{173}Lu	100.0	^{172}Yb(α,t)^{173}Lu−^{174}Yb()^{175}Lu				
^{173}Os	43.9	^{177}Pt(α)^{173}Os	28.7	^{173}Os−C$_{14.417}$	27.4	^{173}Os(α)^{169}W
^{173}Ir^m	72.1	^{177}Au^m(α)^{173}Ir^m	27.9	^{173}Ir^m(α)^{169}Re		
^{174}Yb	47.1	^{174}Yb(n,γ)^{175}Yb	42.9	^{173}Yb(n,γ)^{174}Yb	10.0	^{170}Yb(α,t)^{171}Lu−^{174}Yb()^{175}Lu
^{174}Lu	100.0	^{173}Yb(α,t)^{174}Lu−^{174}Yb()^{175}Lu				
^{174}Hf	74.8	^{176}Hf ^{35}Cl−^{174}Hf ^{37}Cl	13.2	^{174}Hf(n,γ)^{175}Hf	12.0	^{176}Hf(p,t)^{174}Hf
^{175}Yb	52.8	^{174}Yb(n,γ)^{175}Yb	47.2	^{175}Yb(β^-)^{175}Lu		
^{175}Lu	77.1	^{175}Lu(n,γ)^{176}Lu	12.8	^{175}Yb(β^-)^{175}Lu	4.4	^{175}Lu ^{37}Cl−^{142}Nd ^{35}Cl$_2$
^{175}Hf	86.3	^{174}Hf(n,γ)^{175}Hf	13.7	^{177}Hf(p,t)^{175}Hf		
^{175}Ir	50.0	^{175}Ir^p(IT)^{175}Ir	50.0	^{175}Ir−C$_{14.583}$		
^{175}Ir^p	75.6	^{179}Au(α)^{175}Ir^p	24.4	^{175}Ir^p(IT)^{175}Ir		
^{175}Pt	89.8	^{175}Pt(α)^{171}Os	10.2	^{179}Hg(α)^{175}Pt		
^{176}Yb	91.2	^{176}Yb(α,t)^{177}Lu−^{174}Yb()^{175}Lu	8.8	^{176}Yb ^{35}Cl−^{174}Yb ^{37}Cl		
^{176}Lu	41.8	^{176}Lu(n,γ)^{177}Lu	22.5	^{175}Lu(n,γ)^{176}Lu	21.8	^{176}Lu(β^-)^{176}Hf
^{176}Hf	58.3	^{176}Hf(n,γ)^{177}Hf	36.1	^{176}Lu(β^-)^{176}Hf	4.3	^{178}Hf ^{35}Cl−^{176}Hf ^{37}Cl
^{176}Ir	65.4	^{176}Ir−C$_{14.667}$	34.6	^{180}Au(α)^{176}Ir		
^{177}Lu	56.9	^{176}Lu(n,γ)^{177}Lu	42.9	^{177}Lu(β^-)^{177}Hf	0.2	^{176}Yb(α,t)^{177}Lu−^{174}Yb()^{175}Lu
^{177}Hf	66.9	^{177}Hf(n,γ)^{178}Hf	22.2	^{177}Lu(β^-)^{177}Hf	10.7	^{176}Hf(n,γ)^{177}Hf
^{177}Pt	55.3	^{177}Pt(α)^{173}Os	28.8	^{177}Pt−C$_{14.75}$	16.0	^{181}Hg(α)^{177}Pt
^{177}Au	95.6	^{181}Tl(α)^{177}Au	4.4	^{177}Au^m(IT)^{177}Au		
^{177}Au^m	72.6	^{177}Au^m(IT)^{177}Au	27.4	^{177}Au^m(α)^{173}Ir^m		
^{178}Lu	89.4	^{179}Hf(t,α)^{178}Lu−^{178}Hf()^{177}Lu	10.6	^{178}Lu^m(IT)^{178}Lu		
^{178}Lu^m	65.8	^{178}Lu^m(IT)^{178}Lu	34.2	^{176}Lu(t,p)^{178}Lu^m		
^{178}Hf	66.5	^{178}Hf(n,γ)^{179}Hf	32.7	^{177}Hf(n,γ)^{178}Hf	0.9	^{178}Hf ^{35}Cl−^{176}Hf ^{37}Cl
^{179}Lu	100.0	^{180}Hf(t,α)^{179}Lu−^{178}Hf()^{177}Lu				
^{179}Hf	33.5	^{178}Hf(n,γ)^{179}Hf	26.1	C$_{14}$ H$_{11}$−^{179}Hf	16.3	^{179}Hf(n,γ)^{180}Hf
^{179}Ta	87.8	^{179}Ta(ε)^{179}Hf	12.2	^{181}Ta(p,t)^{179}Ta		
^{179}Au	44.5	^{183}Tl^m(α)^{179}Au	32.8	^{179}Au−C$_{14.917}$	22.7	^{179}Au(α)^{175}Irp
^{179}Hg	74.3	^{179}Hg−^{208}Pb$_{.861}$	25.7	^{179}Hg(α)^{175}Pt		
^{180}Hf	83.6	^{179}Hf(n,γ)^{180}Hf	16.4	^{180}Hf(n,γ)^{181}Hf		
^{180}Ta	96.7	^{181}Ta(γ,n)^{180}Ta	3.3	^{180}Ta(β^-)^{180}W		
^{180}W	73.9	^{180}W(t,p)^{182}W	12.6	^{180}Ta(β^-)^{180}W	7.6	^{183}W O$_2$−^{180}W ^{35}Cl
^{180}Au	56.5	^{180}Au−C$_{15}$	40.8	^{180}Au(α)^{176}Ir	2.7	^{184}Tl(α)^{180}Au
^{180}Hg	85.0	^{180}Hg−^{208}Pb$_{.865}$	15.0	^{184}Pb(α)^{180}Hg		
^{181}Hf	83.5	^{180}Hf(n,γ)^{181}Hf	16.5	^{181}Hf(β^-)^{181}Ta		
^{181}Ta	40.1	^{181}Ta(n,γ)^{182}Ta	34.0	^{183}W ^{35}Cl−^{181}Ta ^{37}Cl	8.7	^{181}Hf(β^-)^{181}Ta
^{181}W	69.2	^{181}W(ε)^{181}Ta	21.8	^{182}W(d,t)^{181}W	9.0	^{180}W(d,p)^{181}W
^{181}Hg	83.0	^{181}Hg(α)^{177}Pt	17.0	^{181}Hg−^{208}Pb$_{.870}$		
^{181}Tl	91.6	^{181}Tl−^{133}Cs$_{1.361}$	6.1	^{185}Bi^m(α)^{181}Tl	2.3	^{181}Tl(α)^{177}Au
^{182}Ta	59.8	^{181}Ta(n,γ)^{182}Ta	40.2	^{182}Ta(β^-)^{182}W		
^{182}W	97.9	^{182}W(n,γ)^{183}W	1.9	^{182}Ta(β^-)^{182}W	0.1	^{180}W(t,p)^{182}W
^{182}Os	60.6	^{182}Os−C$_{15.167}$	39.4	^{186}Pt(α)^{182}Os		
^{182}Ir	56.3	^{182}Ir−C$_{15.167}$	43.7	^{186}Au(α)^{182}Ir		
^{183}W	52.2	^{183}W O−C$_2$ ^{35}Cl$_5$	38.6	^{199}Hg−^{183}W O	4.7	^{183}W(n,γ)^{184}W
^{183}Ir	80.8	^{183}Ir−C$_{15.25}$	19.2	^{187}Au(α)^{183}Ir		
^{183}Pt	54.7	^{183}Pt−C$_{15.25}$	30.7	^{187}Hg(α)^{183}Pt	14.6	^{187}Hg^m(α)^{183}Pt
^{183}Hg	59.5	^{183}Hg−^{208}Pb$_{.880}$	40.5	^{187}Pb(α)^{183}Hg		
^{183}Tl	90.5	^{183}Tl−^{133}Cs$_{1.376}$	9.5	^{187}Bi(α)^{183}Tl		
^{183}Tl^m	65.7	^{187}Bi(α)^{183}Tl^m	34.3	^{183}Tl^m(α)^{179}Au		
^{184}W	93.9	^{183}W(n,γ)^{184}W	5.0	^{184}W(n,γ)^{185}W	0.8	^{186}W ^{35}Cl−^{184}W ^{37}Cl
^{184}Re	100.0	^{185}Re(d,t)^{184}Re−^{187}Re()^{186}Re				
^{184}Os	99.5	^{184}Os(n,γ)^{185}Os	0.5	^{188}Pt(α)^{184}Os		
^{184}Pt	57.9	^{188}Hg(α)^{184}Pt	42.1	^{184}Pt−C$_{15.333}$		
^{184}Hg	38.9	^{184}Hg−C$_{15.333}$	32.1	^{184}Hg−^{208}Pb$_{.885}$	29.0	^{184}Hg−^{204}Pb$_{.902}$
^{184}Tl	82.3	^{184}Tl(α)^{180}Au	17.7	^{184}Tl−C$_{15.333}$		

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{184}Pb	84.1	^{184}Pb(α)^{180}Hg	15.9	^{185}Bi^{m}(p)^{184}Pb		
^{185}W	92.8	^{184}W(n,γ)^{185}W	7.2	^{185}W(β^-)^{185}Re		
^{185}Re	67.9	^{185}W(β^-)^{185}Re	14.7	^{185}Re(n,γ)^{186}Re	14.6	^{185}Re ^{35}Cl−^{183}W ^{37}Cl
^{185}Os	99.6	^{185}Os(ε)^{185}Re	0.4	^{184}Os(n,γ)^{185}Os		
^{185}Bi^{m}	67.4	^{185}Bi^{m}(p)^{184}Pb	32.6	^{185}Bi^{m}(α)^{181}Tl		
^{186}W	67.7	^{186}W(n,γ)^{187}W	22.7	^{186}W ^{35}Cl−^{184}W ^{37}Cl	9.6	^{186}W(p,t)^{184}W
^{186}Re	84.6	^{185}Re(n,γ)^{186}Re	15.4	^{186}Re(β^-)^{186}Os		
^{186}Os	64.4	^{186}Re(β^-)^{186}Os	35.4	^{186}Os(n,γ)^{187}Os	0.2	^{190}Pt(α)^{186}Os
^{186}Pt	60.6	^{186}Pt−C$_{15.5}$	39.4	^{186}Pt(α)^{182}Os		
^{186}Au	56.3	^{186}Au−C$_{15.5}$	43.7	^{186}Au(α)^{182}Ir		
^{187}W	67.8	^{187}W(β^-)^{187}Re	32.2	^{186}W(n,γ)^{187}W		
^{187}Re	76.1	^{187}Re(β^-)^{187}Os	14.4	^{187}W(β^-)^{187}Re	9.8	^{187}Re ^{35}Cl−^{185}Re ^{37}Cl
^{187}Os	56.1	^{186}Os(n,γ)^{187}Os	23.4	^{187}Re(β^-)^{187}Os	19.7	^{187}Os(n,γ)^{188}Os
^{187}Au	80.8	^{187}Au−C$_{15.583}$	19.2	^{187}Au(α)^{183}Ir		
^{187}Hg	55.7	^{187}Hg−^{208}Pb$_{.899}$	18.4	^{187}Hg(α)^{183}Pt	17.2	^{187}Hg−C$_{15.583}$
^{187}Hg^{m}	51.1	^{187}Hg^{m}(IT)^{187}Hg	48.9	^{187}Hg^{m}(α)^{183}Pt		
^{187}Tl	62.0	^{191}Bi(α)^{187}Tl	38.0	^{187}Tl^{m}(IT)^{187}Tl		
^{187}Tl^{m}	75.3	^{191}Bi(α)^{187}Tl^{m}	15.0	^{187}Tl^{m}−C$_{15.583}$	9.7	^{187}Tl^{m}(IT)^{187}Tl
^{187}Pb	43.7	^{187}Pb(α)^{183}Hg	40.4	^{187}Pb−^{133}Cs$_{1.406}$	15.9	^{191}Po(α)^{187}Pb
^{187}Pb^{m}	66.8	^{187}Pb^{m}−^{133}Cs$_{1.406}$	33.2	^{191}Po(α)^{187}Pb^{m}		
^{187}Bi	69.3	^{187}Bi(α)^{183}Tl	30.7	^{187}Bi(α)^{183}Tl^{m}		
^{188}Os	80.1	^{187}Os(n,γ)^{188}Os	19.6	^{188}Os(n,γ)^{189}Os	0.3	^{188}Ir(β^+)^{188}Os
^{188}Ir	64.2	^{188}Ir(β^+)^{188}Os	35.8	^{188}Pt(ε)^{188}Ir		
^{188}Pt	64.4	^{188}Pt(α)^{184}Os	19.7	^{190}Pt(p,t)^{188}Pt	15.9	^{188}Pt(ε)^{188}Ir
^{188}Hg	71.9	^{188}Hg−^{208}Pb$_{.904}$	17.0	^{188}Hg−C$_{15.667}$	11.1	^{188}Hg(α)^{184}Pt
^{189}Os	78.3	^{188}Os(n,γ)^{189}Os	21.7	^{189}Os(n,γ)^{190}Os		
^{189}Ir	71.0	^{191}Ir(p,t)^{189}Ir	29.0	^{189}Pt(β^+)^{189}Ir		
^{189}Pt	80.4	^{190}Pt(p,d)^{189}Pt	19.6	^{189}Pt(β^+)^{189}Ir		
^{189}Hg	60.8	^{189}Hg−C$_{15.75}$	39.2	^{189}Hg^{m}(IT)^{189}Hg		
^{189}Hg^{m}	92.6	^{189}Hg^{m}−^{208}Pb$_{.909}$	7.4	^{189}Hg^{m}(IT)^{189}Hg		
^{190}Os	78.0	^{189}Os(n,γ)^{190}Os	21.0	^{190}Os(n,γ)^{191}Os	0.6	^{192}Os(p,t)^{190}Os
^{190}Pt	57.8	^{192}Pt(p,t)^{190}Pt	23.3	^{190}Pt(p,t)^{188}Pt	14.9	^{190}Pt(α)^{186}Os
^{190}Hg	72.6	^{190}Hg−^{208}Pb$_{.913}$	27.4	^{194}Pb(α)^{190}Hg		
^{191}Os	78.9	^{190}Os(n,γ)^{191}Os	21.1	^{191}Os(β^-)^{191}Ir		
^{191}Ir	63.3	^{191}Os(β^-)^{191}Ir	35.6	^{191}Ir(n,γ)^{192}Ir	1.1	^{193}Ir(t,α)^{192}Os−^{191}Ir()^{190}Os
^{191}Pt	69.0	^{192}Pt(p,d)^{191}Pt−^{194}Pt()^{193}Pt	30.6	^{192}Pt(p,d)^{191}Pt	0.3	^{191}Au(β^+)^{191}Pt
^{191}Au	54.4	^{191}Au(β^+)^{191}Pt	25.2	^{191}Hg(β^+)^{191}Au	20.4	^{191}Au−C$_{15.917}$
^{191}Hg	69.8	^{191}Hg−^{208}Pb$_{.918}$	22.6	^{191}Hg−C$_{15.917}$	7.6	^{191}Hg(β^+)^{191}Au
^{191}Bi	86.0	^{191}Bi−^{133}Cs$_{1.436}$	12.4	^{191}Bi(α)^{187}Tl^{m}	1.6	^{191}Bi(α)^{187}Tl
^{191}Po	61.7	^{191}Po(α)^{187}Pb^{m}	38.3	^{191}Po(α)^{187}Pb		
^{192}Os	45.4	^{192}Os(p,t)^{190}Os	27.6	^{193}Ir(t,α)^{192}Os−^{191}Ir()^{190}Os	18.0	^{192}Os(n,γ)^{193}Os
^{192}Ir	64.3	^{191}Ir(n,γ)^{192}Ir	34.8	^{192}Ir(n,γ)^{193}Ir	1.0	^{192}Ir(β^-)^{192}Pt
^{192}Pt	58.6	^{192}Ir(β^-)^{192}Pt	37.4	^{192}Pt(n,γ)^{193}Pt	5.5	^{192}Pt(p,d)^{191}Pt−^{194}Pt()^{193}Pt
^{193}Os	81.9	^{192}Os(n,γ)^{193}Os	18.1	^{193}Os(β^-)^{193}Ir		
^{193}Ir	64.5	^{192}Ir(n,γ)^{193}Ir	33.4	^{193}Pt(ε)^{193}Ir	3.1	^{193}Os(β^-)^{193}Ir
^{193}Pt	65.3	^{193}Pt(ε)^{193}Ir	28.0	^{194}Pt(p,d)^{193}Pt	5.7	^{192}Pt(p,d)^{191}Pt−^{194}Pt()^{193}Pt
^{193}Au	86.5	^{197}Au(α,^{8}He)^{193}Au	13.5	^{193}Hg(β^+)^{193}Au		
^{193}Hg	58.0	^{193}Hg(β^+)^{193}Au	32.3	^{193}Hg−^{208}Pb$_{.928}$	9.7	^{193}Hg−C$_{16.083}$
^{194}Pt	93.6	^{194}Pt(n,γ)^{195}Pt	5.3	^{194}Pt(p,d)^{193}Pt	1.1	^{192}Pt(p,d)^{191}Pt−^{194}Pt()^{193}Pt
^{194}Au	83.3	^{194}Au(β^+)^{194}Pt	16.7	^{194}Hg(ε)^{194}Au		
^{194}Hg	49.9	^{194}Hg−^{208}Pb$_{.933}$	29.9	^{194}Hg(ε)^{194}Au	20.1	^{194}Hg−C$_{16.167}$
^{194}Pb	60.3	^{198}Po(α)^{194}Pb	39.7	^{194}Pb(α)^{190}Hg		
^{195}Pt	93.7	^{195}Pt(n,γ)^{196}Pt	6.3	^{194}Pt(n,γ)^{195}Pt		
^{195}Au	99.9	^{195}Au(ε)^{195}Pt	0.1	^{195}Hg(β^+)^{195}Au		
^{195}Hg	78.6	^{195}Hg−^{208}Pb$_{.938}$	21.4	^{195}Hg(β^+)^{195}Au		
^{196}Pt	93.0	^{196}Pt(n,γ)^{197}Pt	6.2	^{195}Pt(n,γ)^{196}Pt	0.8	^{196}Au(β^+)^{196}Pt
^{196}Au	51.7	^{197}Au(γ,n)^{196}Au	31.0	^{196}Au(β^-)^{196}Hg	17.3	^{196}Au(β^+)^{196}Pt
^{196}Hg	57.2	^{198}Hg ^{35}Cl−^{196}Hg ^{37}Cl	29.9	^{196}Au(β^-)^{196}Hg	12.9	^{196}Hg(n,γ)^{197}Hg
^{197}Pt	93.7	^{197}Pt(β^-)^{197}Au	6.3	^{196}Pt(n,γ)^{197}Pt		
^{197}Au	96.6	^{197}Au(n,γ)^{198}Au	2.8	^{197}Pt(β^-)^{197}Au	0.5	^{197}Au(γ,n)^{196}Au
^{197}Hg	84.1	^{196}Hg(n,γ)^{197}Hg	15.9	^{199}Hg(p,t)^{197}Hg		

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{198}Au	70.0	^{198}Au(β^-)^{198}Hg	26.7	^{198}Au(n,γ)^{199}Au	3.3	^{197}Au(n,γ)^{198}Au
^{198}Hg	70.9	^{198}Hg−C$_{16.5}$	20.2	^{198}Hg(n,γ)^{199}Hg	4.0	^{198}Au(β^-)^{198}Hg
^{198}Po	60.6	^{198}Po−^{208}Pb$_{.952}$	39.4	^{198}Po(α)^{194}Pb		
^{199}Au	71.8	^{198}Au(n,γ)^{199}Au	28.2	^{199}Au(β^-)^{199}Hg		
^{199}Hg	42.7	^{199}Hg−C$_2$ ^{35}Cl$_5$	28.0	^{198}Hg(n,γ)^{199}Hg	15.0	^{199}Hg(n,γ)^{200}Hg
^{200}Hg	82.3	^{199}Hg(n,γ)^{200}Hg	7.2	^{204}Hg ^{35}Cl$_2$−^{200}Hg ^{37}Cl$_2$	6.8	^{200}Hg ^{35}Cl−^{198}Hg ^{37}Cl
^{201}Au	100.0	^{202}Hg(d,^{3}He)^{201}Au−^{206}Pb()^{205}Tl				
^{201}Hg	52.4	^{201}Hg(n,γ)^{202}Hg	34.1	^{201}Hg ^{35}Cl−^{199}Hg ^{37}Cl	12.9	^{201}Hg ^{35}Cl−^{199}Hg ^{37}Cl
^{202}Hg	43.0	^{201}Hg(n,γ)^{202}Hg	24.7	^{202}Hg ^{35}Cl−^{200}Hg ^{37}Cl	20.7	^{204}Hg ^{35}Cl−^{202}Hg ^{37}Cl
^{202}Tl	54.1	^{203}Tl(p,d)^{202}Tl	45.9	^{202}Pb(ε)^{202}Tl		
^{202}Pb	65.7	^{204}Pb(p,t)^{202}Pb	26.0	^{202}Pb−C$_{16.833}$	8.2	^{202}Pb(ε)^{202}Tl
^{203}Au	100.0	^{204}Hg(d,^{3}He)^{203}Au−^{206}Pb()^{205}Tl				
^{203}Hg	83.6	^{203}Hg(β^-)^{203}Tl	11.3	^{204}Hg(d,t)^{203}Hg	5.1	^{202}Hg(d,p)^{203}Hg−^{204}Hg()^{205}Hg
^{203}Tl	75.8	^{203}Tl(n,γ)^{204}Tl	11.1	^{203}Tl ^{35}Cl−^{201}Hg ^{37}Cl	8.2	^{203}Hg(β^-)^{203}Tl
^{203}Pb	51.4	^{204}Pb(p,d)^{203}Pb	37.0	^{207}Po(α)^{203}Pb	10.3	^{203}Pb(ε)^{203}Tl
^{203}Bi	81.6	^{207}At(α)^{203}Bi	18.4	^{203}Bi(β^+)^{203}Pb		
^{203}At	99.9	^{203}At−^{208}Pb$_{.976}$	0.1	^{207}Fr(α)^{203}At		
^{204}Hg	87.1	^{204}Hg−C$_{17}$	5.9	^{204}Hg ^{35}Cl$_2$−^{200}Hg ^{37}Cl$_2$	5.3	^{204}Hg ^{35}Cl−^{202}Hg ^{37}Cl
^{204}Tl	77.6	^{204}Tl(β^-)^{204}Pb	18.5	^{203}Tl(n,γ)^{204}Tl	3.9	^{205}Tl(d,t)^{204}Tl
^{204}Pb	78.9	^{204}Pb(n,γ)^{205}Pb	19.3	^{204}Tl(β^-)^{204}Pb	1.3	^{206}Pb ^{35}Cl−^{204}Pb ^{37}Cl
^{204}At	94.0	^{204}At−C$_{17}$	6.0	^{208}Fr(α)^{204}At		
^{205}Hg	52.7	^{204}Hg(d,p)^{205}Hg	47.3	^{202}Hg(d,p)^{203}Hg−^{204}Hg()^{205}Hg		
^{205}Tl	56.7	^{205}Tl(d,t)^{204}Tl	13.5	^{205}Tl ^{35}Cl−^{203}Tl ^{37}Cl	11.7	^{205}Tl(^{3}He,d)^{206}Pb
^{205}Pb	80.9	^{205}Pb(n,γ)^{206}Pb	19.1	^{204}Pb(n,γ)^{205}Pb		
^{205}Bi	100.0	^{205}Bi(β^+)^{205}Pb				
^{206}Tl	84.1	^{205}Tl(n,γ)^{206}Tl	15.9	^{210}Bi(α)^{206}Tl		
^{206}Pb	70.0	^{206}Pb ^{35}Cl$_2$−^{202}Hg ^{37}Cl$_2$	18.5	^{205}Pb(n,γ)^{206}Pb	8.1	^{206}Pb(n,γ)^{207}Pb
^{207}Tl	45.4	^{207}Tl(β^-)^{207}Pb	41.7	^{211}Bi(α)^{207}Tl	12.9	^{205}Tl(t,p)^{207}Tl
^{207}Pb	88.9	^{206}Pb(n,γ)^{207}Pb	10.1	^{207}Pb(n,γ)^{208}Pb	0.6	^{207}Tl(β^-)^{207}Pb
^{207}Bi	97.4	^{209}Bi(p,t)^{207}Bi	2.6	^{207}Po(β^+)^{207}Bi		
^{207}Po	59.3	^{207}Po(α)^{203}Pb	40.7	^{207}Po(β^+)^{207}Bi		
^{207}At	81.9	^{211}Fr(α)^{207}At	18.1	^{207}At(α)^{203}Bi		
^{207}Fr	97.4	^{207}Fr(α)^{203}At	2.6	^{208}Fr−^{209}Fr$_{.498}$ ^{207}Fr$_{.502}$		
^{208}Pb	89.1	^{207}Pb(n,γ)^{208}Pb	7.5	^{212}Po(α)^{208}Pb	1.7	^{208}Pb ^{35}Cl−^{206}Pb ^{37}Cl
^{208}Fr	69.6	^{208}Fr(α)^{204}At	9.3	^{208}Fr−^{209}Fr$_{.498}$ ^{207}Fr$_{.502}$	6.7	^{210}Fr−^{220}Fr$_{.159}$ ^{208}Fr$_{.841}$
^{209}Pb	87.0	^{209}Pb(β^-)^{209}Bi	11.1	^{208}Pb(d,p)^{209}Pb	1.9	^{213}Po(α)^{209}Pb
^{209}Bi	85.8	^{209}Bi(n,γ)^{210}Bi	9.6	^{209}Bi(α)^{205}Tl	4.2	^{209}Pb(β^-)^{209}Bi
^{209}At	100.0	^{209}At(α)^{205}Bi				
^{209}Fr	99.0	^{209}Fr−^{226}Ra$_{.925}$	0.9	^{209}Fr−^{213}Fr$_{.196}$ ^{208}Fr$_{.804}$	0.2	^{208}Fr−^{209}Fr$_{.498}$ ^{207}Fr$_{.502}$
^{210}Pb	97.8	^{210}Pb(β^-)^{210}Bi	2.2	^{214}Po(α)^{210}Pb		
^{210}Bi	50.3	^{210}Bi(β^-)^{210}Po	33.7	^{210}Bi(α)^{206}Tl	14.1	^{209}Bi(n,γ)^{210}Bi
^{210}Po	98.5	^{210}Po(α)^{206}Pb	1.5	^{210}Bi(β^-)^{210}Po		
^{210}Fr	98.0	^{210}Fr−^{226}Ra$_{.929}$	2.0	^{210}Fr−^{220}Fr$_{.159}$ ^{208}Fr$_{.841}$		
^{211}Pb	94.4	^{215}Po(α)^{211}Pb	5.6	^{211}Pb(β^-)^{211}Bi		
^{211}Bi	58.2	^{211}Bi(α)^{207}Tl	41.8	^{211}Pb(β^-)^{211}Bi		
^{211}Fr	81.4	^{211}Fr−^{226}Ra$_{.934}$	17.2	^{211}Fr(α)^{207}At	1.4	^{211}Fr−^{220}Fr$_{.240}$ ^{208}Fr$_{.761}$
^{212}Pb	54.2	^{216}Po(α)^{212}Pb	45.8	^{212}Pb(β^-)^{212}Bi		
^{212}Bi	72.6	^{212}Bi(β^-)^{212}Po	27.4	^{212}Pb(β^-)^{212}Bi		
^{212}Po	92.5	^{212}Po(α)^{208}Pb	7.5	^{212}Bi(β^-)^{212}Po		
^{212}Fr	97.2	^{212}Fr−^{226}Ra$_{.938}$	2.8	^{212}Fr−^{220}Fr$_{.321}$ ^{208}Fr$_{.679}$		
^{213}Bi	77.7	^{217}At(α)^{213}Bi	22.3	^{213}Bi(β^-)^{213}Po		
^{213}Po	93.2	^{213}Po(α)^{209}Pb	6.8	^{213}Bi(β^-)^{213}Po		
^{213}Fr	100.0	^{213}Fr(α)^{209}At				
^{214}Pb	99.1	^{218}Po(α)^{214}Pb	0.9	^{214}Pb(β^-)^{214}Bi		
^{214}Bi	69.0	^{214}Bi(β^-)^{214}Po	31.0	^{214}Pb(β^-)^{214}Bi		
^{214}Po	97.8	^{214}Po(α)^{210}Pb	2.0	^{218}Rn(α)^{214}Po	0.3	^{214}Bi(β^-)^{214}Po
^{215}Po	94.9	^{219}Rn(α)^{215}Po	5.1	^{215}Po(α)^{211}Pb		
^{216}Po	55.6	^{220}Rn(α)^{216}Po	44.4	^{216}Po(α)^{212}Pb		
^{216}At	100.0	^{216}At(α)^{212}Bi				
^{217}At	78.8	^{221}Fr(α)^{217}At	21.2	^{217}At(α)^{213}Bi		
^{218}Po	99.1	^{222}Rn(α)^{218}Po	0.9	^{218}Po(α)^{214}Pb		

Nucleus	Infl.	Equation	Infl.	Equation	Infl.	Equation
^{218}Rn	94.0	^{218}Rn(α)^{214}Po	6.0	^{222}Ra(α)^{218}Rn		
^{219}Rn	95.0	^{223}Ra(α)^{219}Rn	5.0	^{219}Rn(α)^{215}Po		
^{220}Rn	55.7	^{224}Ra(α)^{220}Rn	44.3	^{220}Rn(α)^{216}Po		
^{220}Fr	100.0	^{220}Fr(α)^{216}At				
^{221}Fr	80.2	^{225}Ac(α)^{221}Fr	19.8	^{221}Fr(α)^{217}At		
^{222}Rn	99.2	^{226}Ra(α)^{222}Rn	0.8	^{222}Rn(α)^{218}Po		
^{222}Fr	82.2	^{222}Fr$-^{226}$Ra$_{.982}$	17.8	^{226}Ac(α)^{222}Fr		
^{222}Ra	64.9	^{222}Ra(α)^{218}Rn	35.1	^{226}Th(α)^{222}Ra		
^{223}Ra	95.0	^{227}Th(α)^{223}Ra	5.0	^{223}Ra(α)^{219}Rn		
^{224}Ra	55.8	^{228}Th(α)^{224}Ra	44.2	^{224}Ra(α)^{220}Rn		
^{225}Ra	94.9	^{229}Th(α)^{225}Ra	5.1	^{225}Ra(β^-)^{225}Ac		
^{225}Ac	63.7	^{229}Pa(α)^{225}Ac	18.3	^{225}Ac(α)^{221}Fr	17.9	^{225}Ra(β^-)^{225}Ac
^{226}Ra	98.9	^{230}Th(α)^{226}Ra	0.8	^{226}Ra(α)^{222}Rn	0.1	^{211}Fr$-^{226}$Ra$_{.934}$
^{226}Ac	86.1	^{230}Pa(α)^{226}Ac	13.7	^{226}Ac(β^-)^{226}Th	0.3	^{226}Ac(α)^{222}Fr
^{226}Th	58.9	^{226}Th(α)^{222}Ra	41.1	^{226}Ac(β^-)^{226}Th		
^{227}Ac	95.6	^{231}Pa(α)^{227}Ac	4.4	^{227}Ac(β^-)^{227}Th		
^{227}Th	95.0	^{227}Ac(β^-)^{227}Th	5.0	^{227}Th(α)^{223}Ra		
^{228}Th	56.1	^{230}Th(p,t)^{228}Th$-^{232}$Th()^{230}Th	43.9	^{228}Th(α)^{224}Ra		
^{229}Ra	91.5	^{229}Ra$-^{133}$Cs$_{1.722}$	8.5	^{229}Ra(β^-)^{229}Ac		
^{229}Ac	55.8	^{229}Ra(β^-)^{229}Ac	44.2	^{229}Ac(β^-)^{229}Th		
^{229}Th	68.2	^{233}U(α)^{229}Th	27.3	^{230}Th(d,t)^{229}Th	4.3	^{229}Th(α)^{225}Ra
^{229}Pa	92.9	^{231}Pa(p,t)^{229}Pa	7.1	^{229}Pa(α)^{225}Ac		
^{230}Th	59.9	^{230}Th(p,t)^{228}Th$-^{232}$Th()^{230}Th	21.2	^{234}U(α)^{230}Th	14.4	^{230}Th(n,γ)^{231}Th
^{230}Pa	86.7	^{230}Pa(ε)^{230}Th	13.3	^{230}Pa(α)^{226}Ac		
^{231}Th	83.7	^{230}Th(n,γ)^{231}Th	12.0	^{235}U(α)^{231}Th	4.3	^{231}Th(β^-)^{231}Pa
^{231}Pa	50.5	^{231}Th(β^-)^{231}Pa	41.7	^{235}Np(α)^{231}Pa	3.9	^{231}Pa(p,t)^{229}Pa
^{232}Th	69.5	^{236}U(α)^{232}Th	22.6	C_{24} $H_{16}-^{232}$Th ^{37}Cl ^{35}Cl	18.3	C_{18} $H_{16}-^{232}$Th
^{233}Th	92.9	^{232}Th(n,γ)^{233}Th	7.1	^{233}Th(β^-)^{233}Pa		
^{233}Pa	74.9	^{237}Np(α)^{233}Pa	14.8	^{233}Th(β^-)^{233}Pa	10.2	^{233}Pa(β^-)^{233}U
^{233}U	48.0	^{233}Pa(β^-)^{233}U	25.4	^{233}U(α)^{229}Th	15.3	^{237}Pu(α)^{233}U
^{234}U	49.7	^{234}U(n,γ)^{235}U	36.2	^{234}U(α)^{230}Th	13.7	^{238}Pu(α)^{234}U
^{235}U	31.7	^{234}U(n,γ)^{235}U	24.1	^{239}Pu(α)^{235}U	22.3	^{235}U(n,γ)^{236}U
^{235}Np	86.2	^{235}Np(ε)^{235}U	13.8	^{235}Np(α)^{231}Pa		
^{236}U	58.7	^{240}Pu(α)^{236}U	31.5	^{235}U(n,γ)^{236}U	8.9	^{236}U(α)^{232}Th
^{237}U	82.5	^{236}U(n,γ)^{237}U	17.5	^{241}Pu(α)^{237}U		
^{237}Np	97.8	^{241}Am(α)^{237}Np	2.2	^{237}Np(α)^{233}Pa		
^{237}Pu	94.0	^{241}Cm(α)^{237}Pu	6.0	^{237}Pu(α)^{233}U		
^{238}U	54.3	^{242}Pu(α)^{238}U	34.1	C_{24} $H_{20}-^{238}$U $^{35}Cl_2$	11.6	C_{18} $H_{22}-^{238}$U
^{238}Pu	76.0	^{238}Pu(α)^{234}U	24.0	^{238}Pu(n,γ)^{239}Pu		
^{239}Np	98.0	^{239}Np(β^-)^{239}Pu	2.0	^{243}Am(α)^{239}Np		
^{239}Pu	44.3	^{239}Pu(α)^{235}U	41.3	^{239}Pu(n,γ)^{240}Pu	14.0	^{238}Pu(n,γ)^{239}Pu
^{240}Pu	37.5	^{240}Pu(n,γ)^{241}Pu	31.3	^{240}Pu(α)^{236}U	31.2	^{239}Pu(n,γ)^{240}Pu
^{241}Pu	62.4	^{240}Pu(n,γ)^{241}Pu	34.9	^{241}Pu(n,γ)^{242}Pu	2.2	^{241}Pu(β^-)^{241}Am
^{241}Am	97.6	^{241}Pu(β^-)^{241}Am	2.0	^{241}Am(α)^{237}Np	0.4	^{241}Cm(ε)^{241}Am
^{241}Cm	95.0	^{241}Cm(ε)^{241}Am	5.0	^{241}Cm(α)^{237}Pu		
^{242}Pu	61.0	^{241}Pu(n,γ)^{242}Pu	38.4	^{242}Pu(α)^{238}U	0.5	^{242}Pu(n,γ)^{243}Pu
^{243}Pu	74.9	^{242}Pu(n,γ)^{243}Pu	13.5	^{243}Pu(β^-)^{243}Am	7.9	^{247}Cm(α)^{243}Pu
^{243}Am	96.3	^{243}Am(α)^{239}Np	3.7	^{243}Pu(β^-)^{243}Am		
^{244}Pu	65.2	^{244}Pu(d,t)^{243}Pu	32.4	^{248}Cm(α)^{244}Pu	2.4	^{244}Pu(t,p)^{246}Pu
^{246}Pu	54.2	^{244}Pu(t,p)^{246}Pu	45.8	^{246}Pu(β^-)^{246}Am^m		
^{246}Am^m	56.6	^{246}Am^m(β^-)^{246}Cm	43.4	^{246}Pu(β^-)^{246}Am^m		
^{246}Cm	98.7	^{246}Cm(α)^{242}Pu	0.9	^{246}Cm(d,p)^{247}Cm	0.3	^{248}Cm(p,t)^{246}Cm
^{247}Cm	63.4	^{247}Cm(α)^{243}Pu	24.1	^{246}Cm(d,p)^{247}Cm	12.5	^{248}Cm(d,t)^{247}Cm
^{248}Cm	67.5	^{248}Cm(α)^{244}Pu	22.7	^{248}Cm(d,t)^{247}Cm	9.8	^{248}Cm(p,t)^{246}Cm