

Tabell III Nuklidetabell



Atomnummer	Nuklide	Nuklidemasse /u	Masse per nukleon /u	Halverings- tid	Utsendt partikkel	Fordeling av stabile isotoper i %
-1	e	$5,485799 \cdot 10^{-4}$				
0	n	1,008664916		614 s	β^-	
1	p	1,00727646				
	^1H	1,007825032	1,0078250			99,9885
	^2H	2,014101778	1,0070509			0,0115
	^3H	3,016049278	1,0053497	12,33 y	β^-	
2	^3He	3,016029319	1,0053431			0,0001343
	^4He	4,002603254	1,0006508			99,999987
3	^6Li	6,01512279	1,0025205			7,59
	^7Li	7,0160046	1,0022864			92,41
4	^9Be	9,0121822	1,0013536			
5	^{10}B	10,0129370	1,0012937			19,9
	^{11}B	11,0093054	1,0008459			81,1
6	^{12}C	12,00000	1,0000000			98,93
	^{13}C	13,003354838	1,0002581			1,07
	^{14}C	14,003241989	1,0002316	$5,70 \cdot 10^3$ y	β^-	
7	^{13}N	13,0057386	1,0004414	9,97 min	β^+	
	^{14}N	14,003074005	1,0002196			99,636
	^{15}N	15,00010898	1,00000727			0,364
8	^{15}O	15,0030656	1,0002044	122,2 s	β^+	
	^{16}O	15,9949146	0,99968216			99,757
	^{17}O	16,9991317	0,9999489			0,038
9	^{18}F	18,0009380	1,0000521	1,829 h	β^+	
	^{19}F	18,9984032	0,9999160			100
10	^{20}Ne	19,9924402	0,9996220			90,48
	^{21}Ne	20,9938467	0,99970699			0,27
11	^{22}Na	21,9944364	0,9997471	2,602 y	γ, β^+	
	^{23}Na	22,9897693	0,9995552			100
	^{24}Na	23,9909628	0,9996235		γ, β^-	
12	^{26}Mg	25,9825929	0,9993305			11,01
13	^{26}Al	25,9868917	0,9994958	$7,2 \cdot 10^5$ y	γ, β^+	
	^{27}Al	26,9815386	0,9993162			100
14	^{28}Si	27,9769265	0,9991759			92,223
15	^{31}P	30,9737616	0,9991536			100
	^{32}P	31,9739073	0,9991846	14,26 d	β^-	
16	^{32}S	31,9720710	0,9991272			94,99
	^{35}S	34,9690322	0,9991152	87,5 d	β^-	
19	^{39}K	38,9637067	0,9990694			93,2581
	^{40}K	39,9639985	0,9991000	$1,251 \cdot 10^9$ y	β^+, β^-, γ	0,0117
20	^{40}Ca	39,9625910	0,9990648			96,941
24	^{55}Cr	54,940840	0,9989244	3,497 min	β^-, γ	
25	^{55}Mn	54,938045	0,9987355			100,0
26	^{56}Fe	55,934937	0,9988381			91,754
27	^{60}Co	59,933817	0,9988970	5,271 y	β^-, γ	
29	^{63}Cu	62,929597	0,9988825			69,15
35	^{85}Br	84,915608	0,9990072	2,90 min	β^-, γ	
36	^{85}Kr	84,912527	0,9989709	10,78 y	β^-, γ	
	^{94}Kr	93,93436	0,9993017	0,21 s	β^-	
38	^{90}Sr	89,907738	0,9989749	28,8 y	β^-	
43	^{99}Tc	98,906255	0,9990531	$2,11 \cdot 10^5$ y	β^-	

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53	¹²⁷ I	126,904473	0,9992478			100
	¹³¹ I	130,906125	0,9992834	8,021 d	β ⁻ , γ	
55	¹³⁷ Cs	136,907089	0,9993218	30,2 y	β ⁻ , γ	
56	¹³⁸ Ba	137,905247	0,9993134			71,698
	¹⁴⁴ Ba	143,922953	0,9994650	11,5 s	β ⁻ , γ	
57	¹⁴⁸ La	147,93229	0,9995425	1,3 s	β ⁻ , γ	
77	¹⁹² Ir	191,962605	0,9998052	73,83 d	β ⁻ , γ	
81	²⁰⁶ Tl	205,976110	0,9998840	4,20 min	β ⁻	
	²⁰⁷ Tl	206,977419	0,9998909	4,77 min	β ⁻ , γ	
	²¹⁰ Tl	209,990074	0,9999527	1,30 min	β ⁻ , γ	
82	²⁰⁶ Pb	205,974465	0,9998760			24,1
	²⁰⁷ Pb	206,975897	0,9998836			22,1
	²⁰⁸ Pb	207,976652	0,9998878			52,4
	²¹⁰ Pb	209,984189	0,9999247	22,2 y	β ⁻ , γ	
	²¹¹ Pb	210,988737	0,9999466	36,1 min	β ⁻ , γ	
	²¹⁴ Pb	213,999805	0,9999991	26,9 min	β ⁻ , γ	
83	²¹⁰ Bi	209,984120	0,9999244	5,01 d	β ⁻	
	²¹¹ Bi	210,987269	0,9999397	2,14 min	α, β ⁻ , γ	
	²¹⁴ Bi	213,998712	0,9999940	19,9 min	β ⁻ , γ	
84	²¹⁰ Po	209,982874	0,999918	138,4 d	α, γ	
	²¹¹ Po	210,986653	0,999937	0,516 s	α, γ	
	²¹⁴ Po	213,995201	0,999978	1,643 · 10 ⁻⁴ s	α	
	²¹⁵ Po	214,999420	0,999997	1,781 · 10 ⁻³ s	α	
	²¹⁸ Po	218,008973	1,000041	3,10 min	α	
86	²¹⁹ Rn	219,009480	1,000043	3,96 s	α, γ	
	²²² Rn	222,017578	1,000079	3,823 d	α, γ	
88	²²³ Ra	223,018502	1,000083	11,43 d	α, γ	
	²²⁶ Ra	226,025410	1,000112	1600 y	α	
	²²⁸ Ra	228,031070	1,000136	5,75 y	β ⁻	
89	²²⁷ Ac	227,027752	1,000122	21,77 y	α, β ⁻	
90	²²⁷ Th	227,027704	1,000122	18,68 d	α, γ	
	²²⁸ Th	228,028741	1,000126	1,912 y	α, γ	
	²³⁰ Th	230,033134	1,000144	7,54 · 10 ⁴ y	α, γ	
	²³¹ Th	231,036304	1,000157	1,063 d	α, β ⁻	
	²³⁴ Th	234,043601	1,000186	24,10 d	α, β ⁻	
91	²³¹ Pa	231,035884	1,000155	3,28 · 10 ⁴ y	α, γ	
	²³⁴ Pa	234,043308	1,000185	6,69 h	β ⁻	
92	²³² U	232,037156	1,000160	68,9 y	α	
	²³⁴ U	234,040952	1,000175	2,455 · 10 ⁵ y	α, γ	
	²³⁵ U	235,043930	1,000187	7,04 · 10 ⁸ y	α, γ	0,7204
	²³⁶ U	236,045568	1,000193	2,342 · 10 ⁷ y	α, γ	
	²³⁸ U	238,050788	1,000213	4,47 · 10 ⁹ y	α, γ	99,2742
93	²³⁹ Np	239,052939	1,000221	2,356 d	β ⁻ , γ	
94	²⁴⁰ Pu	240,053814	1,000224	6,56 · 10 ³ y	α	
95	²⁴¹ Am	241,056829	1,000236	432,2 y	α, γ	
98	²⁴⁷ Cf	247,071000	1,000287	3,11 h	γ	
100	²⁵¹ Fm	251,081575	1,000326	5,3 h	α, γ	