

DODATEK

WŁAŚCIWOŚCI JĄDER O SPINIE $I = 1/2$

Nuklid	Abundancja w %	Magnetyczny moment w μ_N	γ ($10^7 \text{ T}^{-1} \text{ s}^{-1} \text{ rad}$)	$\nu_0 = \omega_0 / 2\pi$ (MHz) ($B_0 = 2.34866 \text{ T}$)
neutron	-	-1,913043	-16,32472	68,498
^1H	99,985	2,7928456	26,752196	100,00
^3H	-	2,978960	28,53495	106,664
^3He	0,000138	-2,127624	-20,38015	76,181
^{13}C	1,10	0,702411	6,72828	25,150
^{15}N	0,366	-0,2831892	-2,712621	10,140
^{19}F	100	2,628867	25,18147	94,129
^{29}Si	4,67	-0,55529	-5,3190	19,883
^{31}P	100	1,13160	10,8394	40,518
^{57}Fe	2,2	0,09062294	0,8680618	3,245
^{77}Se	7,6	0,53506	5,1252	19,158
^{89}Y	100	-0,1374153	-1,316278	4,920
^{103}Rh	100	-0,08840	-0,8468	3,165
^{107}Ag	51,839	-0,113570	-1,08787	4,067
^{109}Ag	48,161	-0,1306905	-1,251862	4,680
^{111}Cd	12,80	-0,5948857	-5,698310	21,300
^{113}Cd	12,22	-0,6223005	-5,960911	22,282
^{115}Sn	0,36	-0,91884	-8,8014	32,900
^{117}Sn	7,68	-1,00105	-9,58889	35,843
^{119}Sn	8,58	-1,04729	-10,0318	37,499
^{123}Te	0,908	-0,73679	-7,0576	26,381
^{125}Te	7,14	-0,88828	-8,5087	31,806
^{129}Xe	26,4	-0,777977	-7,45211	27,856
^{169}Tm	100	-0,2316	-2,218	8,293
^{171}Yb	14,3	0,49367	4,7288	17,676
^{183}W	14,3	0,1177847	1,128240	4,217
^{187}Os	1,6	0,06465185	0,6192891	2,315
^{195}Pt	33,8	0,60950	5,8383	21,824
^{199}Hg	16,84	0,5058852	4,845789	18,114
^{203}Tl	29,524	1,622257	15,53933	58,086
^{205}Tl	70,476	1,6382135	15,692170	58,658
^{207}Pb	22,1	0,58219	5,5767	20,846

WŁAŚCIWOŚCI KWADRUPOLOWYCH JĄDER

Nuklid	Spin	Abundancja w %	Magnetyczny moment w μ_N	γ ($10^7 \text{ T}^{-1} \text{ s}^{-1} \text{ rad}$)	Kwadrupolowy moment (10^{-26} cm^2)	ν_0 ($B_0=2.348\text{T}$)
1	2	3	4	5	6	7
^2H	1	0,015	0,857438	4,106625	0,2875	15,351
^6Li	1	7,42	0,822047	3,937123	-0,0645	14,717
^7Li	3/2	92,58	3,256424	10,39758	-3,66	38,866
^9Be	3/2	100	-1,1779	-3,761	5,3	14,059
^{10}B	3	19,58	1,80065	2,97469	8,473	10,746
^{11}B	3/2	80,42	2,688637	8,584666	4,065	32,090
^{14}N	1	99,63	0,403761	1,933778	1,56	7,229
^{17}O	5/2	0,037	-1,8938	-3,62808	-2,578	13,562
^{21}Ne	3/2	0,257	-0,661796	-2,11308	10,30	7,899
^{23}Na	3/2	100	2,217520	7,080416	10,2	26,467
^{25}Mg	5/2	10,13	-0,85546	-1,6389	22	6,126
^{27}Al	5/2	100	3,641504	6,976270	14,0	26,077
^{33}S	3/2	0,76	0,643821	2,05568	-6,4	7,684
^{35}Cl	3/2	75,53	0,821874	2,624196	-8,249	9,809
^{37}Cl	3/2	24,47	0,684123	2,184366	-6,493	8,165
^{39}K	3/2	93,1	0,391466	1,249928	4,9	4,672
^{41}K	3/2	6,88	0,214897	0,686154	6,0	2,565
^{43}Ca	7/2	0,145	-1,31727	-1,80256	-5	6,738
^{45}Sc	7/2	100	4,756483	6,508793	-22	24,330
^{47}Ti	5/2	7,28	-0,78848	-1,5105	29	5,646
^{49}Ti	7/2	5,51	-1,10417	-1,51095	24	5,648
^{50}V	6	0,24	3,34745	2,67205	7	9,988
^{51}V	7/2	99,76	5,1514	7,0492	-5,2	26,350
^{53}Cr	3/2	9,55	-0,47454	-1,5152	2,2	5,664
^{55}Mn	5/2	100	3,453	6,6155	40	24,729
^{59}Co	7/2	100	4,627	6,332	40,4	23,668
^{61}Ni	3/2	1.19	-0,75002	-2,3948	16,2	8,952
^{63}Cu	3/2	69,09	2,2233	7,0989	-20,9	26,536
^{65}Cu	3/2	30,91	2,3817	7,6046	-19,5	28,426
^{67}Zn	5/2	4,11	0,875479	1,67721	15,0	6,269
^{69}Ga	3/2	60,4	2,01659	6,43886	16,9	24,069
^{71}Ga	3/2	39,6	2,56227	8,18118	10,6	30,581
^{73}Ga	9/2	7,76	-0,879467	-0,936467	-17,3	3,499
^{79}Br	3/2	50,54	2,106399	6,725613	29,3	25,140
^{81}Br	3/2	49,46	2,270560	7,249770	27	27,100

⁸³ Kr	9/2	11,55	-0,970669	-1,03310	27,0	3,862
⁸⁵ Rb	5/2	72,15	1,35303	2,59509	27,4	9,689
⁸⁷ Rb	3/2	27,85	2,75124	8,78455	13,2	32,837
⁸⁷ Sr	9/2	7,02	-1,09283	-1,16311	16	4,348
⁹¹ Zr	5/2	11,23	-1,30362	-2,49743	-21	9,335
⁹³ Nb	9/2	100	6,1705	6,5674	-37	24,549
⁹⁵ Mo	5/2	15,72	-0,9142	-1,751	-1,9	6,547
⁹⁷ Mo	5/2	9,46	-0,9335	-1,788	-10,2	6,685
⁹⁹ Ru	5/2	12,72	-0,6413	-1,229	7,7	4,592
¹⁰¹ Ru	5/2	17,07	-0,7189	-1,377	44	5,148
¹⁰⁵ Pd	5/2	22,23	-0,642	-1,23	80	4,598
¹¹³ In	9/2	4,28	5,5289	5,8845	84,6	21,996
¹¹⁵ In	9/2	95,72	5,5408	5,8972	86,1	22,044
¹²¹ Sb	5/2	57,25	3,3634	6,4435	-20	24,086
¹²³ Sb	7/2	42,75	2,5498	3,4892	-26	13,043
¹²⁷ I	5/2	100	2,81328	5,38059	-78,9	20,146
¹³¹ Xe	3/2	21,18	0,691861	2,20907	-12,0	8,258
¹³³ Cs	7/2	100	2,582024	3,533253	-0,3	13,207
¹³⁵ Ba	3/2	6,94	0,837943	2,65750	18	10,001
¹³⁷ Ba	3/2	11,32	0,937365	2,99295	28	11,188
¹³⁸ La	5	0,089	3,7139	3,5575	52	13,298
¹³⁹ La	7/2	99,911	2,7832	3,8085	22	14,236
¹⁴¹ Pr	5/2	100	4,136	7,924	-5,89	29,619
¹⁴³ Nd	7/2	12,17	-1,065	-1,457	-48,4	5,448
¹⁴⁵ Nd	7/2	8,3	-0,656	-0,898	-25,3	3,356
¹⁴⁷ Sm	7/2	14,97	-0,8149	-1,115	-18	4,168
¹⁴⁹ Sm	7/2	13,83	-0,6718	-0,9193	5,3	3,436
¹⁵¹ Eu	5/2	47,82	3,4718	6,6512	116	24,862
¹⁵³ Eu	5/2	52,18	1,5331	2,9371	294	10,979
¹⁵⁵ Cd	3/2	14,73	-0,2591	-0,8273	159	3,092
¹⁵⁷ Cd	3/2	15,68	-0,3399	-1,085	203	4,057
¹⁶¹ Dy	5/2	18,88	-0,4806	-0,9207	244	3,442
¹⁶³ Dy	5/2	24,97	0,6726	1,289	257	4,817
¹⁶⁵ Ho	7/2	100	4,173	5,710	274	21,345
¹⁶⁷ Er	7/2	22,94	-0,5665	-0,7752	282,7	2,898
¹⁷³ Yb	5/2	16,13	-0,67989	-1,3025	280	4,869
¹⁷⁵ Lu	7/2	97,42	2,2327	3,0552	569	11,421
¹⁷⁶ Lu	7	2,59	3,19	2,18	810	8,159
¹⁷⁷ Hf	7/2	18,50	0,793	1,086	450	4,059
¹⁷⁹ Hf	9/2	3,75	-0,6409	-0,6821	510	2,550

¹⁸¹ Ta	7/2	99,988	2,371	3,244	390	12,128
¹⁸⁵ Re	5/2	37,07	3,187	6,1057	236	22,823
¹⁸⁷ Re	5/2	62,93	3,2197	6,1682	224	23,057
¹⁸⁹ Os	3/2	16,1	0,659933	2,10713	91	7,877
¹⁹¹ Ir	3/2	37,3	0,1462	0,4668	78	1,745
¹⁹³ Ir	3/2	62,7	0,1592	0,5083	70	1,900
¹⁹⁷ Au	3/2	100	0,148159	0,473063	54,7	1,768
²⁰¹ Hg	3/2	13,22	-0,560255	-1,78886	45,5	6,687
²⁰⁹ Bi	9/2	100	4,1106	4,3750	-46	16,354
²³⁵ U	7/2	0,72	-0,35	-0,48	455	1,79