

Adopted Levels, Gammas

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, J. Timar and Z. Elekes		NDS 161, 1 (2019)	1-Apr-2019

Q(β⁻)=-2737 4; S(n)=-10026 6; S(p)=-4965 5; Q(α)=-2083 7 **2017Wa10**

¹⁰⁵Ag Levels

Cross Reference (XREF) Flags

A	¹⁰⁵ Cd ε decay	E	¹⁰³ Rh(α,2nγ)	I	¹⁰⁰ Mo(¹⁰ B,5nγ)
B	¹⁰⁵ Ag IT decay (7.23 min)	F	¹⁰⁴ Pd(³ He,d)	J	⁸⁰ Se(³⁰ Si,p4nγ)
C	¹⁰⁵ Pd(p,nγ)	G	⁷⁶ Ge(³⁷ Cl,α4nγ)		
D	¹⁰⁷ Ag(p,t)	H	⁹² Zr(¹⁶ O,p2nγ)		

E(level) [†]	J ^π	T _{1/2} [‡]	XREF	Comments
0.0	1/2 ⁻	41.29 d 7	ABCDEFGHIJ	%ε+%β ⁺ =100 μ=0.1014 10 (1963Ew02,2014StZZ) Q=+0.85 11 (2016St14) J ^π : L(³ He,d)=1; L(p,t)=0. T _{1/2} : from ¹⁰⁵ Ag ε decay (1974Ro18). Others: 41.2 d 3 (1967Pi03), 40.0 d 7 (1950Gu54). <r ² >=4.5237 fm ² 49 (2004An14).
25.468 & 16	7/2 ⁺	7.23 min 16	ABC E GHIJ	%IT=99.66 7 %ε+%β ⁺ =0.34 7 μ=+4.414 13 (1989Di12,2014StZZ) J ^π : 25.48γ E3 to 1/2 ⁻ . T _{1/2} : from L _{ce} (t) in ¹⁰⁵ Ag IT decay (7.23 min) (1969Ho36).
53.138 @ 18	9/2 ⁺	2.33 ns 8	A CDEFGHIJ	J ^π : 27.67γ (M1+E2) to 7/2 ⁺ ; systematics in 2013La11; L(³ He,d)=4. T _{1/2} : from γ-27.67ce(t) coinc. in 1979Fr03; Other: 1.8 ns 2 from X-27.67ce(t) coinc. in 1976Sv04.
346.872 16	3/2 ⁻		A CDEF H	J ^π : 292.5γ (E3) to 9/2 ⁺ , 346.87γ M1+E2 to 1/2 ⁻ ; L(p,t)=2, L(³ He,d)=1.
433.223 22	5/2 ⁻		A CDEF H	J ^π : 86.33γ M1(+E2) to 3/2 ⁻ , 433.24γ E2 to 1/2 ⁻ ; L(p,t)=2.
614.6 4	(5/2 ⁺ to 11/2 ⁺)		C	J ^π : 562.0γ to 9/2 ⁺ , 589.5γ to 7/2 ⁺ .
668.58 & 7	11/2 ⁺		C E GHI	J ^π : 615.5γ M1+E2 to 9/2 ⁺ , 643.0γ E2 to 7/2 ⁺ ; band member.
802 5			F	
877.82 6	3/2 ⁻		A CD F	J ^π : 530.95γ to 3/2 ⁻ , 877.81γ to 1/2 ⁻ ; L(p,t)=2, L(³ He,d)=1.
917.20 @ 8	13/2 ⁺		C E GHIJ	J ^π : 248.6γ M1+E2 to 11/2 ⁺ , 864.1γ E2 to 9/2 ⁺ ; band member.
987.304 21	(5/2 ⁺) ⁺		A C EF	J ^π : 640.46γ to 3/2 ⁻ , 934.14γ to 9/2 ⁺ , 961.84γ to 7/2 ⁺ ; L(³ He,d)=2.
1023.68 5	7/2 ⁻	54 ps +35-22	A CDE	J ^π : 590.44γ M1(+E2) to 5/2 ⁻ , 676.88γ to 3/2 ⁻ ; L(p,t)=4.
1042.66 5	3/2 ⁻ , 5/2 ⁻	67 ps +34-27	A CDEF	J ^π : 609.45γ to 5/2 ⁻ , 1042.7γ to 1/2 ⁻ ; L(p,t)=2.
1097.17 4	(9/2 ⁺)	29 ps +13-11	A CD F	J ^π : 1044.0γ to 9/2 ⁺ , 1071.65γ to 7/2 ⁺ .
1166.30 9	9/2 ⁻	35 ps +18-14	A CDEF H	J ^π : 733.03γ E2 to 5/2 ⁻ ; L(p,t)=4.
1243.38 6	(3/2 ⁺ , 5/2 ⁻ , 7/2 ⁻)	135 ps +86-65	A C	J ^π : 810.1γ to 5/2 ⁻ , 896.61γ to 3/2 ⁻ , 1217.5γ to 7/2 ⁺ .
1294.00 6	(7/2 ⁻)	24 ps +10-8	C	J ^π : 947.1γ to 3/2 ⁻ .
1294.91 3	1/2 ⁺		AB F	J ^π : 307.83γ to (5/2 ⁺) ⁺ , 417.1γ to 3/2 ⁻ , 947.07γ to 3/2 ⁻ ; 1294.85γ to 1/2 ⁻ ; L(³ He,d)=0.
1327.932 20	5/2 ⁺	83 ps +48-34	A CDEF	J ^π : 340.66γ to (5/2 ⁺) ⁺ , 1274.78γ to 9/2 ⁺ , 1302.46γ to 7/2 ⁺ ; L(³ He,d)=(2), L(p,t)=(6).
1345.4 4			CD	

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Adopted Levels, Gammas (continued)

¹⁰⁵Ag Levels (continued)

E(level) [†]	J ^π	T _{1/2} [‡]	XREF	Comments
1386.25 3	3/2 ⁺ ,5/2 ⁺	52 ps +24-21	A C F	J ^π : 398.99γ to (5/2) ⁺ , 1039.4γ to 3/2 ⁻ , 1360.8γ to 7/2 ⁺ ; L(³ He,d)=2.
1416.11 10	1/2,3/2,5/2 ⁻		A C	J ^π : 1416.1γ to 1/2 ⁻ .
1441.59 3	5/2 ⁺	26 ps +14-12	A CD F	J ^π : 454.38γ to (5/2) ⁺ , 1388.48γ to 9/2 ⁺ , 1416.1γ to 7/2 ⁺ ; L(³ He,d)=2.
1543.2 3	3/2 ⁻ ,5/2 ⁻	33 ps +17-13	A CD	J ^π : 1196.3γ to 3/2 ⁻ ; L(p,t)=2.
1557.884 22	3/2 ⁺	15 ps +10-9	A C F	J ^π : 229.82γ to 5/2 ⁺ , 262.99γ to 1/2 ⁺ , 1124.73γ to 5/2 ⁻ , 1557.84γ to 1/2 ⁻ ; L(³ He,d)=2.
1572.51 13	(11/2 ⁺)		E	J ^π : 1520.2γ to 9/2 ⁺ , 1546.6γ to 7/2 ⁺ .
1586.87 3	1/2 ⁺	33 ps +17-13	A C F	J ^π : 291.96γ to 1/2 ⁺ , 1239.98γ to 3/2 ⁻ , 1586.84γ to 1/2 ⁻ ; L(³ He,d)=0.
1635.61 4	3/2 ⁺		A C F	J ^π : 340.66γ to 1/2 ⁺ , 758.07γ to 3/2 ⁻ , 1610.3γ to 7/2 ⁺ .
1635.786 24	(5/2 ⁺)		A C	J ^π : 307.83γ to 5/2 ⁺ , 538.67γ to (9/2 ⁺), 1635.0γ to 1/2 ⁻ .
1643 5	7/2 ⁻ ,9/2 ⁻		D	J ^π : L(p,t)=4.
1656.2 4	3/2,5/2,7/2		A	J ^π : 613.5γ to (3/2 ⁻ ,5/2 ⁻).
1665.80 11	(13/2 ⁺)		E	J ^π : 748.0γ to 13/2 ⁺ , 997.3γ M1+E2 to 11/2 ⁺ , 1612.0γ to 9/2 ⁺ .
1669.54 3	(3/2 ⁺ ,5/2)		A CD	J ^π : 681.97γ to (5/2) ⁺ , 1322.2γ to 3/2 ⁻ , 1644.03γ to 7/2 ⁺ .
1680.79 ^{&} 10	15/2 ⁺		E GHIJ	J ^π : 763.6γ M1+E2 to 13/2 ⁺ , 1012.2γ E2 to 11/2 ⁺ ; band member.
1690.79 4	(3/2 ⁺ ,5/2)		A D F	J ^π : 132.9γ to 3/2 ⁺ , 703.46γ to (5/2) ⁺ , 1343.82γ to 3/2 ⁻ , 1665.65γ to 7/2 ⁺ .
1706 5	3/2 ⁻ ,5/2 ⁻		D	J ^π : L(p,t)=2.
1718.82 4	(5/2 to 9/2)	11 ps +7-6	A C E	J ^π : 1665.0γ to 9/2 ⁺ , 1693.34γ to 7/2 ⁺ .
1733.60 ^a 9	15/2 ⁺	5.6 ns 5	E GHI	μ=+3.73 14 (2014StZZ) J ^π : 816.5γ M1+E2 to 13/2 ⁺ , 1064.9γ E2 to 11/2 ⁺ . T _{1/2} : unweighted average of 5.1 ns 4 from 1980Le05 by αγ(t) and 6.0 ns 2 from 1979Ka05. μ: Calculated for J ^π =15/2 ⁺ from g=+0.497 19 obtained by 1980Le05 from DPAD. Other: g=0.58 6 (1979Ka05, DPAD).
1750.15 3	(5/2 ⁺)		A C F	J ^π : 192.27γ to 3/2 ⁺ , 1403.10γ to 3/2 ⁻ , 1697.2γ to 9/2 ⁺ ; L(³ He,d)=2.
1757 5	7/2 ⁻ ,9/2 ⁻		D	J ^π : L(p,t)=4.
1794.44 5	7/2 ⁺		A F	J ^π : 466.73γ to 5/2 ⁺ , 1361.5γ to 5/2 ⁻ , 1741.8γ to 9/2 ⁺ ; L(³ He,d)=4.
1828 5	7/2 ⁻ ,9/2 ⁻		D	J ^π : L(p,t)=4.
1843 5	3/2 ⁻ ,5/2 ⁻		D	J ^π : L(p,t)=2.
1858.9 6	(5/2 ⁺ to 13/2 ⁺)		C	J ^π : 1805.8γ to 9/2 ⁺ .
1875 5	7/2 ⁻ ,9/2 ⁻		D F	J ^π : L(p,t)=4, L(³ He,d)=4.
1883.4 4	(9/2 ⁺)		A C	J ^π : 895.5γ to (5/2) ⁺ , 966.4γ to 13/2 ⁺ .
1885.73 15	(5/2 ⁺ ,7/2 ⁺ ,9/2 ⁺)		A	J ^π : 499.45γ to (3/2 ⁺ ,5/2 ⁺), 788.7γ to (9/2 ⁺).
1921 5	(11/2 ⁻ ,13/2 ⁻)		D F	J ^π : L(p,t)=(6), L(³ He,d)=4.
1922.97 3	(7/2 ⁺)	19 ps +8-7	A C	J ^π : 172.82γ to (5/2 ⁺), 1489.72γ to 5/2 ⁻ , 1869.74γ to 9/2 ⁺ .
1959 5	1/2 ⁻		D	J ^π : L(p,t)=0.
1977.74 [@] 11	17/2 ⁺		E GHIJ	J ^π : 297.0γ M1+E2 to 15/2 ⁺ , 1060.5γ E2 to 13/2 ⁺ ; band member.
1983.3 7	(5/2 ⁺)		C F	J ^π : 1930γ to 9/2 ⁺ , 1958γ to 7/2 ⁺ ; L(³ He,d)=2.
1986.34 4	5/2 ⁺		A C	J ^π : 658.3γ to 5/2 ⁺ , 1552.8γ to 5/2 ⁻ , 1933.11γ to 9/2 ⁺ .
2022.37 ^a 11	17/2 ⁺		E HI	J ^π : 341.4γ M1+E2 to 15/2 ⁺ , 1105.2γ to 13/2 ⁺ .
2029 5	7/2 ⁻ ,9/2 ⁻		D	J ^π : L(p,t)=4.
2061 5	3/2 ⁻ ,5/2 ⁻		D	J ^π : L(p,t)=2.
2081.64 6	5/2 ⁺ ,7/2 ⁺	15 ps +7-6	A C	J ^π : 2028.48γ to 9/2 ⁺ , 2056.06γ to 7/2 ⁺ .
2086 5	3/2 ⁻ ,5/2 ⁻		D	J ^π : L(p,t)=2.
2093 5			F	
2111 5	7/2 ⁻ ,9/2 ⁻		D	J ^π : L(p,t)=4.
2113.50 22	(5/2 to 13/2)		E	J ^π : 947.2γ to 9/2 ⁻ .

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Adopted Levels, Gammas (continued)

¹⁰⁵Ag Levels (continued)

E(level) [†]	J ^π	XREF	Comments
2127 5	1/2 ⁻	D	J ^π : L(p,t)=0.
2144.4 4	3/2 ⁻ ,5/2 ⁻	A D	J ^π : L(p,t)=2.
2156.42 5	3/2 ⁺	A D	J ^π : 598.54γ to 3/2 ⁺ , 1169.09γ to (5/2) ⁺ , 1809.0γ to 3/2 ⁻ , 2156.2γ to 1/2 ⁻ .
2166 8		F	
2197 5	3/2 ⁻ ,5/2 ⁻	D	J ^π : L(p,t)=2.
2220 5	7/2 ⁻ ,9/2 ⁻	D	J ^π : L(p,t)=4.
2249.57 4	(1/2 ⁺ ,3/2)	A	J ^π : 662.79γ to 1/2 ⁺ , 921.62γ to 5/2 ⁺ , 2249.48γ to 1/2 ⁻ .
2252 5	7/2 ⁻ ,9/2 ⁻	D F	J ^π : L(p,t)=4.
2256.52 6	5/2 ⁺	A	J ^π : 461.96γ to 7/2 ⁺ , 928.8γ to 5/2 ⁺ , 1232.84γ to 7/2 ⁻ , 1909.69γ to 3/2 ⁻ .
2275.99 20	5/2 ⁺	A D	J ^π : 1929.1γ to 3/2 ⁻ ; L(p,t)=3.
2277.1 4	17/2 ⁺	C G	J ^π : 1359.9γ E2 to 13/2 ⁺ ; However, 2224γ to 9/2 ⁺ .
2298.61 13	17/2 ⁻	E GHI	J ^π : 565.0γ E1 to 15/2 ⁺ .
2300.38 7	3/2 ⁺ ,5/2 ⁺	A	J ^π : 972.48γ to 5/2 ⁺ , 1422.19γ to 3/2 ⁻ , 1867.3γ to 5/2 ⁻ .
2308.32 6	3/2 ⁺	A	J ^π : 1013.51γ to 1/2 ⁺ , 1874.99γ to 5/2 ⁻ , 1960.9γ to 3/2 ⁻ , 2308.3γ to 1/2 ⁻ .
2312.78 ^a 11	19/2 ⁺	E HI	J ^π : 290.4γ M1+E2 to 17/2 ⁺ , 579.2γ E2 to 15/2 ⁺ ;
2314.81 5	5/2 ⁺	A D	J ^π : 1327.20γ to (5/2) ⁺ , 1881.36γ to 5/2 ⁻ , 2288.9 2γ to 7/2 ⁺ ; L(p,t)=3.
2326.04 3	(5/2 ⁺)	A C	J ^π : 1031.86 γ to 1/2 ⁺ , 1302.46γ to 7/2 ⁻ , 1338.69γ to (5/2) ⁺ , 1892.89γ to 5/2 ⁻ , 2272.85γ to 9/2 ⁺ .
2327.82 7	3/2,5/2,7/2	A F	J ^π : 1340.50γ to (5/2) ⁺ , 1894.80γ to 5/2 ⁻ .
2333.34 3	3/2 ⁺	A	J ^π : 583.17γ to (5/2 ⁺), 746.44γ to 1/2 ⁺ , 1900.21γ to 5/2 ⁻ , 2333.26γ to 1/2 ⁻ .
2334 5	(11/2 ⁻ ,13/2 ⁻)	D	J ^π : L(p,t)=(6).
2359 5	3/2 ⁻ ,5/2 ⁻	D	J ^π : L(p,t)=2.
2371.80 17	5/2 ⁺ ,7/2 ⁺	A D	J ^π : 577.4γ to 7/2 ⁺ , 1938.5γ to 5/2 ⁻ , 2318.5γ to 9/2 ⁺ ; L(p,t)=3.
2400.62 7	(3/2 ⁺)	A	J ^π : 842.44γ to 3/2 ⁺ , 1105.8γ to 1/2 ⁺ , 2053.6γ to 3/2 ⁻ , 2375.2γ to 7/2 ⁺ , 2400.37γ to 1/2 ⁻ .
2409 5	5/2,7/2,9/2	D	J ^π : L(p,t)=3,4.
2419.29 8	5/2 ⁺ ,7/2 ⁺ ,9/2 ⁺	A F	J ^π : 1091.0γ to 5/2 ⁺ , 1322.20γ to (9/2 ⁺).
2423.33 20	3/2 ⁺	A C	J ^π : 836.3γ to 1/2 ⁺ , 1095.7γ to 5/2 ⁺ , 2076.5γ to 3/2 ⁻ , 2422.99γ to 1/2 ⁻ .
2429 5	(11/2 ⁻ ,13/2 ⁻)	D	J ^π : L(p,t)=(6).
2429.10 8	(3/2 ⁺)	A	J ^π : 842.44γ to 1/2 ⁺ , 870.88γ to 3/2 ⁺ , 1995.97γ to 5/2 ⁻ , 2429.19γ to 1/2 ⁻ .
2445 5	7/2 ⁻ ,9/2 ⁻	D	J ^π : L(p,t)=4.
2447.21 10	(5/2 ⁺ ,7/2 ⁺)	A	J ^π : 1119.7γ to 5/2 ⁺ , 1350.0γ to (9/2 ⁺), 2014.0γ to 5/2 ⁻ .
2470.06 ^c 14	15/2 ⁻	E GHI	J ^π : 1552.8γ E1 to 13/2 ⁺ .
2472.99 6	(5/2 ⁺ ,7/2 ⁺)	A	J ^π : 1144.7γ to 5/2 ⁺ , 1375.77γ to (9/2 ⁺).
2486 5	7/2 ⁻ ,9/2 ⁻	D	J ^π : L(p,t)=4.
2494.8 3	(3/2 ⁺ to 9/2 ⁻)	A	J ^π : 2061.5γ to 5/2 ⁻ , 2469.5γ to 7/2 ⁺ .
2497.28 14	15/2 ⁻	E GHI	J ^π : 1580.1γ E1 to 13/2 ⁺ .
2502 5		D	
2521 5	1/2 ⁻	D	J ^π : L(p,t)=0.
2534 14		F	
2550.68 9	(5/2 ⁻)	A D	J ^π : 755.9γ to 7/2 ⁺ , 992.93γ to 3/2 ⁺ , 2117.3γ to 5/2 ⁻ , 2203.58γ to 3/2 ⁻ ; L(p,t)=2.
2583 5	7/2 ⁻ ,9/2 ⁻	D	J ^π : L(p,t)=4.
2584.25 16	(5/2 ⁺)	A	J ^π : 1289.6γ to 1/2 ⁺ 2530.8γ to 9/2 ⁺ .
2595.68 ^b 12	17/2 ⁻	E GHIJ	J ^π : 98.4γ M1+E2 to 15/2 ⁻ , 297.0γ to 17/2 ⁻ , 914.9γ to 15/2 ⁺ .
2602 5		D	
2613 5	3/2 ⁻ ,5/2 ⁻	D	J ^π : L(p,t)=2.
2617 12		F	
2621.7 ^e 4	(15/2 ⁻)	I	J ^π : 940.9γ to 15/2 ⁺ .
2636 5	3/2 ⁻ ,5/2 ⁻	D	J ^π : L(p,t)=2.
2654 5	7/2 ⁻ ,9/2 ⁻	D	J ^π : L(p,t)=4.
2675 5	7/2 ⁻ ,9/2 ⁻	D	J ^π : L(p,t)=4.
2719 10		F	
2728 5		D	
2745 14		F	
2751.17 ^c 15	19/2 ⁻	E GHIJ	J ^π : 155.5γ M1+E2 to 17/2 ⁻ ; band member.

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Adopted Levels, Gammas (continued)

¹⁰⁵Ag Levels (continued)

E(level) [†]	J ^π	T _{1/2} [‡]	XREF	Comments
2761.4 ^a 5	21/2 ⁺		E HI	J ^π : 448.6γ M1+E2 to 19/2 ⁺ , 739.1γ E2 to 17/2 ⁺ .
2769 13			F	
2774.6 ^d 4	(17/2) ⁻		E I	J ^π : 152.9γ M1(+E2) to (15/2 ⁻), 796.9γ to 17/2 ⁺ , 1093.7γ E1 to 15/2 ⁺ .
2820 5			D	
2839.2 ^{&} 3	(19/2 ⁺)		I	J ^π : 861.5γ to 17/2 ⁺ , 1158.3γ to 15/2 ⁺ ; band member.
2865.38 22	(19/2 ⁺)		G	J ^π : 588.3γ to 17/2 ⁺ .
2907.8 ^k 4	(19/2 ⁻)		I	J ^π : 609.1γ (E1) to 17/2 ⁻ , 930.3γ to 17/2 ⁺ .
2935.67 ^b 17	21/2 ⁻		E GHIJ	J ^π : 184.5γ M1+E2 to 19/2 ⁻ , 340.0γ (E2) to 17/2 ⁻ ; band member.
2943.5 ^e 4	(19/2 ⁻)		E I	J ^π : 168.9γ M1(+E2) to (17/2 ⁻); band member.
3101.5 ^j 4	(21/2) ⁻		E I	J ^π : 193.8γ M1 to (19/2 ⁻), 350.3γ M1+E2 to 19/2 ⁻ ; band member.
3124.88 [@] 20	21/2 ⁺		E GHIJ	J ^π : 259.5γ M1 to (19/2 ⁺), 1147.1γ E2 to 17/2 ⁺ ; band member.
3175.87 ^c 19	23/2 ⁻		E GHIJ	J ^π : 240.2γ M1(+E2) to 21/2 ⁻ , 424.8γ to 19/2 ⁻ ; band member.
3176.9 ^d 5	21/2 ⁻		E I	J ^π : 233.3γ M1(+E2) to (19/2 ⁻); band member.
3351.2 4	(21/2 ⁺)		I	J ^π : 1373.5γ to 17/2 ⁺ .
3408.4 ^k 6	(23/2 ⁻)		I	J ^π : 306.9γ M1+E2 to (21/2 ⁻).
3481.4 ^e 5	(23/2) ⁻		E I	J ^π : 304.5γ M1+E2 to 21/2 ⁻ ; band member.
3510.38 ^b 21	25/2 ⁻	0.354 ps 74	E GHIJ	J ^π : 334.5γ M1(+E2) to 23/2 ⁻ , 574.7γ E2 to 21/2 ⁻ ; band member.
3785.7 ^j 7	(25/2 ⁻)		I	J ^π : 377.3γ M1+E2 to (23/2 ⁻); band member.
3866.9 ^d 6	(25/2 ⁻)		E I	J ^π : 385.5γ M1+E2 to (23/2 ⁻), 690.1γ to 21/2 ⁻ ; band member.
3898.8 ^{&} 4	(23/2) ⁺		I	J ^π : 773.9γ M1+E2 to 21/2 ⁺ , 1059.7γ to (19/2 ⁺); band member.
3909.2 ^g 4	(23/2) ⁺		G I	J ^π : 784.3γ M1+E2 to 21/2 ⁺ , 1070.0γ E2 to (19/2 ⁺).
3927.59 ^c 23	27/2 ⁻	0.340 [#] ps 79	E GHIJ	J ^π : 417.2γ M1+E2 to 25/2 ⁻ , 752.0γ E2 to 23/2 ⁻ ; band member.
4158.4 ^f 3	25/2 ⁺		G IJ	J ^π : 249.0γ M1+E2 to (23/2) ⁺ , 982.5γ E1 to 23/2 ⁻ , 1033.5γ E2 to 21/2 ⁺ ; band member.
4249.6 ^k 7	(27/2 ⁻)		I	J ^π : 464.0γ M1+E2 to (25/2 ⁻), 841.2γ to (23/2 ⁻); band member.
4313.5 ^e 7	(27/2 ⁻)		I	J ^π : 446.6γ M1+E2 to (25/2 ⁻), 832.2γ to (23/2 ⁻); band member.
4361.50 ^b 25	29/2 ⁻	0.319 [#] ps 76	E GHIJ	J ^π : 433.9γ M1+E2 to 27/2 ⁻ , 851.3γ E2 to 25/2 ⁻ ; band member.
4461.4 ^g 4	27/2 ⁺		G IJ	J ^π : 303.0γ M1+E2 to 25/2 ⁺ , 552.4γ to (23/2) ⁺ , 951.3γ to 25/2 ⁻ ; band member.
4718.2 ^j 8	(29/2 ⁻)		I	J ^π : 404.7γ to (27/2 ⁺), 932.3γ to (25/2 ⁻); band member.
4796.4 ^d 8	(29/2 ⁻)		I	J ^π : 483.0γ to (27/2 ⁻), 929.3γ to (25/2 ⁻); band member.
4839.6 ^f 4	29/2 ⁺	0.347 ps 73	G IJ	J ^π : 378.2γ M1+E2 to 27/2 ⁺ , 681.3γ E2 to 25/2 ⁺ ; band member.
4931.6 ^c 4	31/2 ⁻	0.263 [#] ps 46	GHIJ	J ^π : 570.1γ M1+E2 to 29/2 ⁻ , 1004.0γ E2 to 27/2 ⁻ ; band member.
5225.9 ^g 4	31/2 ⁺	0.333 ps 78	G IJ	J ^π : 386.3γ M1+E2 to 29/2 ⁺ , 764.0γ E2 to 27/2 ⁺ ; band member.
5226.9 ^k 9	(31/2 ⁻)		I	J ^π : 508.5γ to (29/2 ⁻), 977.5γ to (27/2 ⁻); band member.
5334.4 ^e 10	(31/2 ⁻)		I	J ^π : 538.0γ to (29/2 ⁻), 1020.8γ to (27/2 ⁻); band member.
5444.9 ^b 4	33/2 ⁻	0.194 [#] ps 43	G IJ	J ^π : 513.3γ M1+E2 to 31/2 ⁻ , 1083.4γ E2 to 29/2 ⁻ ; band member.
5531.1 ⁱ 8	(31/2 ⁻)		I	J ^π : 1603.4γ to 27/2 ⁻ ; band member.
5699.5 ^f 5	33/2 ⁺	0.194 ps 36	G IJ	J ^π : 473.5γ M1+E2 to 31/2 ⁺ , 860.0γ E2 to 29/2 ⁺ ; band member.
5855.2 ^h 7	(33/2 ⁻)		I	J ^π : 324.2γ to (31/2 ⁻); 1493.8γ to 29/2 ⁻ ; band member.
6113.0 ^c 5	35/2 ⁻		G IJ	J ^π : 668.0γ M1 to 33/2 ⁻ , 1181.4γ E2 to 31/2 ⁻ ; band member.
6161.5 ^g 5	35/2 ⁺	0.492 ps 81	G IJ	J ^π : 462.0γ M1+E2 to 33/2 ⁺ , 935.6γ E2 to 31/2 ⁺ ; band member.
6220.2 ⁱ 7	(35/2 ⁻)		I	J ^π : 365.0γ to (33/2 ⁻), 1288.8γ to 31/2 ⁻ ; band member.
6608.6 ^h 8	(37/2 ⁻)		I	J ^π : 388.3γ to (35/2 ⁻), 1163.5γ to 33/2 ⁻ ; band member.
6691.1 ^f 7	37/2 ⁺		G IJ	J ^π : 529.6γ M1+E2 to 35/2 ⁺ , 991.7γ E2 to 33/2 ⁺ ; band member.
6715.0 ^b 6	37/2 ⁻		G I	J ^π : 602.0γ M1(+E2) to 35/2 ⁻ , 1270.0γ to 33/2 ⁻ ; band member.
7050.6 ⁱ 9	(39/2 ⁻)		I	J ^π : 441.6γ to (37/2 ⁻), 830.4γ to (35/2 ⁻); band member.
7219.2 ^g 8	(39/2) ⁺		G IJ	J ^π : 528.2γ M1+E2 to 37/2 ⁺ , 1057.5γ to 35/2 ⁺ ; band member.

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued) ^{105}Ag Levels (continued)

E(level) [†]	J ^π	XREF	Comments
7438.0 8	(39/2 ⁻)	G	J ^π : 723.0γ to 37/2 ⁻ .
7566.2 ^h 11	(41/2 ⁻)	I	J ^π : 515.2γ to (39/2 ⁻), 958.0γ to (37/2 ⁻); band member.
7805.8 ^f 9	41/2 ⁺	G I	J ^π : 586.2γ M1+E2 to (39/2) ⁺ , 1114.3γ to (37/2) ⁺ ; band member.
8420.8 9	(43/2 ⁺)	G	J ^π : 615.0γ to (41/2 ⁺), 1201.9γ to (39/2) ⁺ .
9101.8 10	(45/2 ⁺)	G	J ^π : 681.0γ M1 to (43/2 ⁺), 1296.0γ to (41/2 ⁺).
x ^l	(27/2)	G	Additional information 1. E(level): X ≈ 4600 (1994Je12). Probably band head of a superdeformed band.
704.6+x ^l 10	(31/2)	G	J ^π : 704.6γ (E2) to (27/2); band member.
1564.4+x ^l 15	(35/2)	G	J ^π : 859.8γ E2 to (31/2); band member.
2557.2+x ^l 18	(39/2)	G	J ^π : 992.8γ E2 to (35/2); band member.
3685.1+x ^l 20	(43/2)	G	J ^π : 1127.9γ E2 to (39/2); band member.
4926.8+x ^l 23	(47/2)	G	J ^π : 1241.7γ E2 to (43/2); band member.
6230.9+x ^l 25	(51/2)	G	J ^π : 1304.1 E2 to (47/2); band member.
7662+x ^l 3	(55/2)	G	J ^π : 1431.5γ E2 to (51/2); band member.
9210+x ^l 3	(59/2)	G	J ^π : 1547.5γ E2 to (55/2); band member.
10866+x ^l 3	(63/2)	G	J ^π : 1656.0γ E2 to (59/2); band member.
12619+x ^l 4	(67/2)	G	J ^π : 1752.7γ E2 to (63/2); band member.

[†] From a least-squares fit to Eγ.

[‡] From DSAM in $^{105}\text{Pd}(p,n\gamma)$ (1986Mi26), unless otherwise noted.

From DSAM in $^{80}\text{Se}(^{30}\text{Si},p4n\gamma)$ (2006De15).

@ Band(A): $\Delta J=2$ band, based on $J^\pi=9/2^+$ state; $\pi g_{9/2}$, $\alpha=+1/2$.

& Band(a): $\Delta J=2$ band, based on $J^\pi=7/2^+$ state; $\pi g_{9/2}$, $\alpha=-1/2$.

^a Band(B): $\Delta J=1$ band, based on $J^\pi=15/2^+$ state.

^b Band(C): $\Delta J=2$ band, based on $J^\pi=17/2^-$ state; configuration: $\pi g_{9/2} \otimes \nu [h_{11/2}(g_{7/2}, d_{5/2})]$, $\alpha=+1/2$.

^c Band(c): $\Delta J=2$ band, based on $J^\pi=15/2^-$ state; configuration: $\pi g_{9/2} \otimes \nu [h_{11/2}(g_{7/2}, d_{5/2})]$, $\alpha=-1/2$.

^d Band(D): $\Delta J=2$ band, based on $J^\pi=17/2^-$ state; configuration: $\pi g_{9/2} \otimes \nu [h_{11/2}(g_{7/2}, d_{5/2})]$, $\alpha=+1/2$.

^e Band(d): $\Delta J=2$ band, based on $J^\pi=(15/2^-)$ state; configuration: $\pi g_{9/2} \otimes \nu [h_{11/2}(g_{7/2}, d_{5/2})]$, $\alpha=-1/2$.

^f Band(E): $\Delta I=2$ band, based on $J^\pi=25/2^+$ state; configuration: $\pi g_{9/2} \nu (h_{11/2})^2$, $\alpha=+1/2$.

^g Band(e): $\Delta I=2$ band, based on $J^\pi=23/2^+$ state; configuration: $\pi g_{9/2} \nu (h_{11/2})^2$, $\alpha=-1/2$.

^h Band(F): $\Delta J=2$ band, based on $J^\pi=(33/2^-)$ state.

ⁱ Band(f): $\Delta J=2$ band, based on $J^\pi=(31/2^-)$ state.

^j Band(G): $\Delta J=2$ band, based on $J^\pi=19/2^-$ state; configuration: $\pi g_{9/2} \otimes \nu [h_{11/2}(g_{7/2}, d_{5/2})]$, $\alpha=+1/2$.

^k Band(g): $\Delta J=2$ band, based on $J^\pi=17/2^-$ state; configuration: $\pi g_{9/2} \otimes \nu [h_{11/2}(g_{7/2}, d_{5/2})]$, $\alpha=-1/2$.

^l Band(H): Possible SD band; configuration: $\pi (h_{11/2}^1) \pi (g_{9/2}^2) \nu (h_{11/2}^2)$.

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$									
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
25.468	7/2 ⁺	25.48 2	100	0.0	1/2 ⁻	E3		2.29×10 ⁴	$\alpha(\text{L})=1.83\times 10^4$ 3; $\alpha(\text{M})=3.96\times 10^3$ 6; $\alpha(\text{N}+..)=609$ 9 $\alpha(\text{N})=609$ 9; $\alpha(\text{O})=0.0372$ 6 B(E3)(W.u.)=0.0267 8 E_γ : weighted average of 25.53 3 (1978Sh08) and 25.47 1 (1976Sv04); Others:≈25 (1969Ho36). Mult.: from $\alpha(\text{L1})\text{exp}:\alpha(\text{L2})\text{exp}:\alpha(\text{L3})\text{exp}=0.002<:1$: 1.47 4 and $\alpha(\text{L})\text{exp}:\alpha(\text{M})\text{exp}:\alpha(\text{N})\text{exp}=1:0.22$ 2:0.09 2 in 1978Sh08; Other: 1953Jo20.
53.138	9/2 ⁺	27.67 1	100	25.468	7/2 ⁺	(M1+E2)	0.044 8	17.5 3	$\alpha(\text{K})=14.93$ 21; $\alpha(\text{L})=2.11$ 9; $\alpha(\text{M})=0.404$ 17; $\alpha(\text{N}+..)=0.072$ 3 $\alpha(\text{N})=0.069$ 3; $\alpha(\text{O})=0.00285$ 4 B(M1)(W.u.)=0.0241 10; B(E2)(W.u.)=53 +21-18 δ : from the intensity balance in ¹⁰⁵ Cd ϵ decay, assu. δ : from Ice(M1)/(Ice(M2)+Ice(M3))= (100 5)/(22 3) in 1976Sv04, and M1+25% E2 in 1976Ja05; α : Other: 46 7 from I _γ balance leading to $\delta=0.51$ 7 and unreasonably high B(E2)(W.u.)=2200.
346.872	3/2 ⁻	292.5 [‡] 8	2.0 [‡] 4	53.138	9/2 ⁺	(E3)		0.1325 24	$\alpha(\text{K})=0.1047$ 19; $\alpha(\text{L})=0.0226$ 5; $\alpha(\text{M})=0.00444$ 9; $\alpha(\text{N}+..)=0.000745$ 14 $\alpha(\text{N})=0.000728$ 14; $\alpha(\text{O})=1.73\times 10^{-5}$ 3 Mult.: $\alpha(\text{K})\text{exp}=0.11$ in ¹⁰⁵ Pd(p,n γ) (1978Za12). $\alpha(\text{K})=0.01313$ 19; $\alpha(\text{L})=0.001579$ 24; $\alpha(\text{M})=0.000300$ 5; $\alpha(\text{N}+..)=5.44\times 10^{-5}$ 8 $\alpha(\text{N})=5.20\times 10^{-5}$ 8; $\alpha(\text{O})=2.44\times 10^{-6}$ 4 Mult.: $A_2=-0.12$ 4, $A_4=0.03$ 5 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); $A_2=-0.08$ 9, $A_4=0.18$ 14 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); $P_{\text{exp}}=-31$ 4 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); $P_{\text{c.p.}}=-0.92$ 52, $P_{\text{a.d.}}=-0.12$ 15 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); δ : $\alpha(\text{K})\text{exp}=0.014$ 4 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); Other: $0.0\leq\delta\leq 0.30$ in ¹⁰³ Rh(α ,2n γ) (1985Ke09).
		346.87 2	100.0	0.0	1/2 ⁻	M1+E2	+0.10 +5-7	0.01507 22	$\alpha(\text{K})=0.01313$ 19; $\alpha(\text{L})=0.001579$ 24; $\alpha(\text{M})=0.000300$ 5; $\alpha(\text{N}+..)=5.44\times 10^{-5}$ 8 $\alpha(\text{N})=5.20\times 10^{-5}$ 8; $\alpha(\text{O})=2.44\times 10^{-6}$ 4 Mult.: $A_2=-0.12$ 4, $A_4=0.03$ 5 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); $A_2=-0.08$ 9, $A_4=0.18$ 14 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); $P_{\text{exp}}=-31$ 4 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); $P_{\text{c.p.}}=-0.92$ 52, $P_{\text{a.d.}}=-0.12$ 15 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); δ : $\alpha(\text{K})\text{exp}=0.014$ 4 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); Other: $0.0\leq\delta\leq 0.30$ in ¹⁰³ Rh(α ,2n γ) (1985Ke09).
433.223	5/2 ⁻	86.33 7	3.5 3	346.872	3/2 ⁻	M1(+E2)	-0.05 5	0.640 17	$\alpha(\text{K})=0.555$ 13; $\alpha(\text{L})=0.070$ 4; $\alpha(\text{M})=0.0133$ 7; $\alpha(\text{N}+..)=0.00240$ 12 $\alpha(\text{N})=0.00230$ 12; $\alpha(\text{O})=0.0001044$ 19 δ : from γ linear pol measurement in ¹⁰³ Rh(α ,2n γ) (1979KeZW); Other: $0.0\geq\delta\geq -1.0$ in ¹⁰³ Rh(α ,2n γ) (1985Ke09).
		433.24 3	100.0	0.0	1/2 ⁻	E2		0.00965 14	$\alpha=0.00965$ 14; $\alpha(\text{K})=0.00830$ 12; $\alpha(\text{L})=0.001097$ 16; $\alpha(\text{M})=0.000209$ 3; $\alpha(\text{N}+..)=3.71\times 10^{-5}$ 6 $\alpha(\text{N})=3.57\times 10^{-5}$ 5; $\alpha(\text{O})=1.444\times 10^{-6}$ 21 Mult.: $A_2=0.20$ 2, $A_4=-0.11$ 3 in ¹⁰³ Rh(α ,2n γ)

Adopted Levels, Gammas (continued)

$E_i(\text{level})$	J_i^π	$\gamma(^{105}\text{Ag})$ (continued)						α^a	Comments
		E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ		
614.6	(5/2 ⁺ to 11/2 ⁺)	562.0 [‡] 8	4.1 [‡] 12	53.138	9/2 ⁺				(1979Ka05); A ₂ =0.19 2, A ₄ =-0.02 3 in ¹⁰³ Rh(α,2nγ) (1985Ke09); P _{exp} =32 3 in ¹⁰³ Rh(α,2nγ) (1979Ka05); P _{c.p.} =0.92 11, P _{a.d.} =0.30 4 in ¹⁰³ Rh(α,2nγ) (1985Ke09); δ: α(K)exp=0.0079 24 in ¹⁰³ Rh(α,2nγ) (1979Ka05).
668.58	11/2 ⁺	589.5 [‡] 5	100 [‡]	25.468	7/2 ⁺				
		615.5 [#] 1	100 [#]	53.138	9/2 ⁺	M1+E2	+0.43 +2-4	0.00369 6	α=0.00369 6; α(K)=0.00322 5; α(L)=0.000383 6; α(M)=7.26×10 ⁻⁵ 11; α(N+..)=1.317×10 ⁻⁵ 19 α(N)=1.258×10 ⁻⁵ 18; α(O)=5.91×10 ⁻⁷ 9 Mult.: A ₂ =0.31 1, A ₄ =0.04 1 in ¹⁰³ Rh(α,2nγ) (1979Ka05); A ₂ =0.25 2, A ₄ =0.03 2 in ¹⁰³ Rh(α,2nγ) (1985Ke09); P _{exp} =-56 4 in ¹⁰³ Rh(α,2nγ) (1979Ka05); P _{c.p.} =-0.50 9, P _{a.d.} =-0.50 9 in ¹⁰³ Rh(α,2nγ) (1985Ke09); δ: α(K)exp=0.0039 12 (1979Ka05); 0.34≤δ≤0.40 in ¹⁰³ Rh(α,2nγ) (1985Ke09); Others: +0.35 4 (1979Po13).
		643.0 [#] 1	5.1 [#] 2	25.468	7/2 ⁺	E2		0.00315 5	α=0.00315 5; α(K)=0.00273 4; α(L)=0.000340 5; α(M)=6.46×10 ⁻⁵ 9; α(N+..)=1.158×10 ⁻⁵ 17 α(N)=1.109×10 ⁻⁵ 16; α(O)=4.85×10 ⁻⁷ 7 Mult.: A ₂ =0.34 5, A ₄ =0.12 7 in ¹⁰³ Rh(α,2nγ) (1979Ka05); A ₂ =0.11 11, A ₄ =-0.03 18 in ¹⁰³ Rh(α,2nγ) (1985Ke09); P _{exp} =57 13 in ¹⁰³ Rh(α,2nγ) (1979Ka05);
877.82	3/2 ⁻	530.95 8	34.8 22	346.872	3/2 ⁻				
		877.81 9	100	0.0	1/2 ⁻				
917.20	13/2 ⁺	248.6 [#] 1	28.9 [#] 7	668.58	11/2 ⁺	M1+E2	+0.08 +1-2	0.0354	α(K)=0.0308 5; α(L)=0.00375 6; α(M)=0.000713 11; α(N+..)=0.0001292 19 α(N)=0.0001234 18; α(O)=5.76×10 ⁻⁶ 9 Mult.: A ₂ =-0.11 1, A ₄ =-0.03 2 in ¹⁰³ Rh(α,2nγ) (1979Ka05); A ₂ =-0.10 1, A ₄ =-0.02 2 in ¹⁰³ Rh(α,2nγ) (1985Ke09); P _{exp} =-30 4 in ¹⁰³ Rh(α,2nγ) (1979Ka05) P _{c.p.} =-0.41 13, P _{a.d.} =-0.38 2 in ¹⁰³ Rh(α,2nγ) (1985Ke09); δ: α(K)exp=0.030 9 in ¹⁰³ Rh(α,2nγ) (1979Ka05); Other: 0.07≤δ≤0.09 in ¹⁰³ Rh(α,2nγ) (1985Ke09).
		864.1 [#] 1	100 [#]	53.138	9/2 ⁺	E2		0.001501 21	α=0.001501 21; α(K)=0.001308 19;

Adopted Levels, Gammas (continued)

 $\gamma(^{105}\text{Ag})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
									$\alpha(\text{L})=0.0001578$ 22; $\alpha(\text{M})=2.99\times 10^{-5}$ 5; $\alpha(\text{N}+\dots)=5.40\times 10^{-6}$ $\alpha(\text{N})=5.16\times 10^{-6}$ 8; $\alpha(\text{O})=2.35\times 10^{-7}$ 4 Mult.: $A_2=0.29$ 2, $A_4=-0.13$ 2 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=0.31$ 2, $A_4=-0.09$ 3 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=60$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $P_{\text{c.p.}}=0.43$ 13, $P_{\text{a.d.}}=0.50$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $\delta: \alpha(\text{K})_{\text{exp}}=0.0012$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05).
987.304	(5/2) ⁺	640.46 8 934.14 4 961.84 3	1.30 20 27.1 3 100	346.872 53.138 25.468	3/2 ⁻ 9/2 ⁺ 7/2 ⁺				
1023.68	7/2 ⁻	590.44 5	100	433.223	5/2 ⁻	M1(+E2)	+0.02 +9-44	0.00410 7	$\alpha=0.00410$ 7; $\alpha(\text{K})=0.00358$ 6; $\alpha(\text{L})=0.000422$ 6; $\alpha(\text{M})=8.01\times 10^{-5}$ 12; $\alpha(\text{N}+\dots)=1.456\times 10^{-5}$ 21 $\alpha(\text{N})=1.390\times 10^{-5}$ 20; $\alpha(\text{O})=6.62\times 10^{-7}$ 13 B(M1)(W.u.)=0.0014 +9-7; B(E2)(W.u.)<0.088 Mult.: $A_2=-0.62$ 31, $A_4=-0.46$ 34 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=-0.43$ 22, $A_4=0.09$ 36 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09);
		676.88 12	40 4	346.872	3/2 ⁻	[E2]		0.00275 4	$\alpha=0.00275$ 4; $\alpha(\text{K})=0.00239$ 4; $\alpha(\text{L})=0.000295$ 5; $\alpha(\text{M})=5.61\times 10^{-5}$ 8; $\alpha(\text{N}+\dots)=1.008\times 10^{-5}$ 15 $\alpha(\text{N})=9.65\times 10^{-6}$ 14; $\alpha(\text{O})=4.25\times 10^{-7}$ 6 B(E2)(W.u.)=0.71 +49-29
1042.66	3/2 ⁻ ,5/2 ⁻	609.45 5 695.76 10	51 4 36 4	433.223 346.872	5/2 ⁻ 3/2 ⁻				
1097.17	(9/2 ⁺)	1042.7 10 1044.0	100 38 22 5	0.0 53.138	1/2 ⁻ 9/2 ⁺	[M1]		0.001114 16	$\alpha=0.001114$ 16; $\alpha(\text{K})=0.000976$ 14; $\alpha(\text{L})=0.0001134$ 16; $\alpha(\text{M})=2.15\times 10^{-5}$ 3; $\alpha(\text{N}+\dots)=3.91\times 10^{-6}$ $\alpha(\text{N})=3.73\times 10^{-6}$ 6; $\alpha(\text{O})=1.79\times 10^{-7}$ 3 B(M1)(W.u.)=0.00014 6
		1071.65 5	100	25.468	7/2 ⁺	[M1]		0.001052 15	$\alpha=0.001052$ 15; $\alpha(\text{K})=0.000921$ 13; $\alpha(\text{L})=0.0001070$ 15; $\alpha(\text{M})=2.03\times 10^{-5}$ 3; $\alpha(\text{N}+\dots)=3.69\times 10^{-6}$ $\alpha(\text{N})=3.52\times 10^{-6}$ 5; $\alpha(\text{O})=1.692\times 10^{-7}$ 24 B(M1)(W.u.)=0.00051 +32-16
1166.30	9/2 ⁻	733.03 9	100	433.223	5/2 ⁻	E2		0.00224 4	$\alpha=0.00224$ 4; $\alpha(\text{K})=0.00195$ 3; $\alpha(\text{L})=0.000239$ 4; $\alpha(\text{M})=4.54\times 10^{-5}$ 7; $\alpha(\text{N}+\dots)=8.16\times 10^{-6}$ 12 $\alpha(\text{N})=7.82\times 10^{-6}$ 11; $\alpha(\text{O})=3.48\times 10^{-7}$ 5 B(E2)(W.u.)=2.6 +17-9 Mult.: $A_2=0.27$ 5, $A_4=-0.13$ 7 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=0.26$ 3, $A_4=-0.09$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=50$ 17 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $P_{\text{c.p.}}=0.35$ 17,

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)								
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
								P _{a.d.} =0.40 7 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Kc09); δ : $\alpha(\text{K})\text{exp}=0.0018$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05).
1243.38	(3/2 ⁺ ,5/2,7/2 ⁻)	810.1 8 896.61 9 1217.5 2	100 69 8 15 4	433.223 5/2 ⁻ 346.872 3/2 ⁻ 25.468 7/2 ⁺				
1294.00	(7/2 ⁻)	947.1 6	100	346.872 3/2 ⁻		[E2]		B(E2)(W.u.)=1.0 2 E _γ : from $^{92}\text{Zr}(^{16}\text{O},p2n\gamma)$.
1294.91	1/2 ⁺	307.83 417.1 2 947.83 20	7 3 1.6 11 100 2	987.304 (5/2) ⁺ 877.82 3/2 ⁻ 346.872 3/2 ⁻				E _γ : from $^{92}\text{Zr}(^{16}\text{O},p2n\gamma)$.
1327.932	5/2 ⁺	1294.85 340.66 4	36.3 11 9.8 11	0.0 1/2 ⁻ 987.304 (5/2) ⁺		[M1]	0.01572	$\alpha(\text{K})=0.01371$ 20; $\alpha(\text{L})=0.001646$ 23; $\alpha(\text{M})=0.000312$ 5; $\alpha(\text{N+..})=5.67\times 10^{-5}$ 8 $\alpha(\text{N})=5.42\times 10^{-5}$ 8; $\alpha(\text{O})=2.55\times 10^{-6}$ 4 B(M1)(W.u.)=0.00050 +36-19
		1274.78 4	20.6 4	53.138 9/2 ⁺		[E2]	0.000655 10	$\alpha=0.000655$ 10; $\alpha(\text{K})=0.000556$ 8; $\alpha(\text{L})=6.51\times 10^{-5}$ 10; $\alpha(\text{M})=1.232\times 10^{-5}$ 18; $\alpha(\text{N+..})=2.15\times 10^{-5}$ 3 $\alpha(\text{N})=2.13\times 10^{-6}$ 3; $\alpha(\text{O})=1.002\times 10^{-7}$ 14; $\alpha(\text{IPF})=1.92\times 10^{-5}$ 3 B(E2)(W.u.)=0.011 +8-4
		1302.46 2	100	25.468 7/2 ⁺		[M1]	0.000711 10	$\alpha=0.000711$ 10; $\alpha(\text{K})=0.000605$ 9; $\alpha(\text{L})=6.99\times 10^{-5}$ 10; $\alpha(\text{M})=1.323\times 10^{-5}$ 19; $\alpha(\text{N+..})=2.37\times 10^{-5}$ 4 $\alpha(\text{N})=2.30\times 10^{-6}$ 4; $\alpha(\text{O})=1.108\times 10^{-7}$ 16; $\alpha(\text{IPF})=2.13\times 10^{-5}$ 3 B(M1)(W.u.)=9.E-5 +6-4
1345.4		676.0 [‡] 6 731.8 [‡] 6	27 [‡] 6 100 [‡] 23	668.58 11/2 ⁺ 614.6 (5/2 ⁺ to 11/2 ⁺)				
1386.25	3/2 ⁺ ,5/2 ⁺	398.99 8 1039.4 2 1360.79 4	10.1 8 ≤5.04 100	987.304 (5/2) ⁺ 346.872 3/2 ⁻ 25.468 7/2 ⁺				
1416.11	1/2,3/2,5/2 ⁻	1416.1	100	0.0 1/2 ⁻				
1441.59	5/2 ⁺	454.38 7	4.0 4	987.304 (5/2) ⁺		[M1]	0.00769 11	$\alpha=0.00769$ 11; $\alpha(\text{K})=0.00671$ 10; $\alpha(\text{L})=0.000799$ 12; $\alpha(\text{M})=0.0001515$ 22; $\alpha(\text{N+..})=2.75\times 10^{-5}$ $\alpha(\text{N})=2.63\times 10^{-5}$ 4; $\alpha(\text{O})=1.246\times 10^{-6}$ 18 B(M1)(W.u.)=0.00023 +18-8
		1388.48 3	100	53.138 9/2 ⁺		[E2]	0.000580 9	$\alpha=0.000580$ 9; $\alpha(\text{K})=0.000467$ 7; $\alpha(\text{L})=5.44\times 10^{-5}$ 8; $\alpha(\text{M})=1.030\times 10^{-5}$ 15; $\alpha(\text{N+..})=4.79\times 10^{-5}$ 7 $\alpha(\text{N})=1.785\times 10^{-6}$ 25; $\alpha(\text{O})=8.42\times 10^{-8}$ 12; $\alpha(\text{IPF})=4.61\times 10^{-5}$ 7 B(E2)(W.u.)=0.09 +7-3
		1416.1 10	54 4	25.468 7/2 ⁺		[M1]	0.000626 9	$\alpha=0.000626$ 9; $\alpha(\text{K})=0.000507$ 8; $\alpha(\text{L})=5.85\times 10^{-5}$ 9; $\alpha(\text{M})=1.106\times 10^{-5}$ 16; $\alpha(\text{N+..})=4.95\times 10^{-5}$ 8

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)								
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
								$\alpha(\text{N})=1.92\times 10^{-6}$ 3; $\alpha(\text{O})=9.28\times 10^{-8}$ 13; $\alpha(\text{IPF})=4.75\times 10^{-5}$ 8 B(M1)(W.u.)=0.00010 +9-4 E_γ : not observed in ^{105}Cd ε decay.
1543.2	3/2 ⁻ , 5/2 ⁻	198.0 [‡] 8 1196.3 3	100 [‡]	1345.4 346.872	3/2 ⁻			
1557.884	3/2 ⁺	171.34 16	2.8 9	1386.25	3/2 ⁺ , 5/2 ⁺	[M1]	0.0948	$\alpha(\text{K})=0.0824$ 12; $\alpha(\text{L})=0.01011$ 15; $\alpha(\text{M})=0.00192$ 3; $\alpha(\text{N}+..)=0.000348$ 5 $\alpha(\text{N})=0.000333$ 5; $\alpha(\text{O})=1.548\times 10^{-5}$ 22 B(M1)(W.u.)=0.006 +7-3
		229.82 9	3.4 5	1327.932	5/2 ⁺	[M1]	0.0433	$\alpha(\text{K})=0.0377$ 6; $\alpha(\text{L})=0.00459$ 7; $\alpha(\text{M})=0.000872$ 13; $\alpha(\text{N}+..)=0.0001581$ 23 $\alpha(\text{N})=0.0001510$ 22; $\alpha(\text{O})=7.06\times 10^{-6}$ 10 B(M1)(W.u.)=0.0030 +33-13
		262.99 3	8.9 5	1294.91	1/2 ⁺	[M1]	0.0305	$\alpha(\text{K})=0.0265$ 4; $\alpha(\text{L})=0.00321$ 5; $\alpha(\text{M})=0.000611$ 9; $\alpha(\text{N}+..)=0.0001108$ 16 $\alpha(\text{N})=0.0001058$ 15; $\alpha(\text{O})=4.96\times 10^{-6}$ 7 B(M1)(W.u.)=0.0052 +57-22
		570.56 6	5.3 5	987.304	(5/2) ⁺	[M1]	0.00444 7	$\alpha=0.00444$ 7; $\alpha(\text{K})=0.00388$ 6; $\alpha(\text{L})=0.000459$ 7; $\alpha(\text{M})=8.69\times 10^{-5}$ 13; $\alpha(\text{N}+..)=1.581\times 10^{-5}$ 23 $\alpha(\text{N})=1.509\times 10^{-5}$ 22; $\alpha(\text{O})=7.18\times 10^{-7}$ 10 B(M1)(W.u.)=0.00030 +32-13
		1124.73 8	4.6 5	433.223	5/2 ⁻	[E1]	0.000375 6	$\alpha=0.000375$ 6; $\alpha(\text{K})=0.000322$ 5; $\alpha(\text{L})=3.68\times 10^{-5}$ 6; $\alpha(\text{M})=6.95\times 10^{-6}$ 10; $\alpha(\text{N}+..)=9.58\times 10^{-6}$ 14 $\alpha(\text{N})=1.205\times 10^{-6}$ 17; $\alpha(\text{O})=5.74\times 10^{-8}$ 8; $\alpha(\text{IPF})=8.32\times 10^{-6}$ 12 B(E1)(W.u.)=4.7 $\times 10^{-7}$ +51-20
		1211.09 7	10 7	346.872	3/2 ⁻	[E1]	0.000363 5	$\alpha=0.000363$ 5; $\alpha(\text{K})=0.000282$ 4; $\alpha(\text{L})=3.21\times 10^{-5}$ 5; $\alpha(\text{M})=6.07\times 10^{-6}$ 9; $\alpha(\text{N}+..)=4.37\times 10^{-5}$ 7 $\alpha(\text{N})=1.052\times 10^{-6}$ 15; $\alpha(\text{O})=5.02\times 10^{-8}$ 7; $\alpha(\text{IPF})=4.26\times 10^{-5}$ 6 B(E1)(W.u.)=8.E-7 +12-5
		1532.32 12	3.2 5	25.468	7/2 ⁺	[E2]	0.000533 8	$\alpha=0.000533$ 8; $\alpha(\text{K})=0.000384$ 6; $\alpha(\text{L})=4.46\times 10^{-5}$ 7; $\alpha(\text{M})=8.43\times 10^{-6}$ 12; $\alpha(\text{N}+..)=9.55\times 10^{-5}$ 14 $\alpha(\text{N})=1.461\times 10^{-6}$ 21; $\alpha(\text{O})=6.93\times 10^{-8}$ 10; $\alpha(\text{IPF})=9.39\times 10^{-5}$ 14 B(E2)(W.u.)=0.0035 +36-15
		1557.84 4	100	0.0	1/2 ⁻	[E1]	0.000487 7	$\alpha=0.000487$ 7; $\alpha(\text{K})=0.000183$ 3; $\alpha(\text{L})=2.07\times 10^{-5}$ 3; $\alpha(\text{M})=3.92\times 10^{-6}$ 6; $\alpha(\text{N}+..)=0.000279$ 4 $\alpha(\text{N})=6.79\times 10^{-7}$ 10; $\alpha(\text{O})=3.26\times 10^{-8}$ 5; $\alpha(\text{IPF})=0.000279$ 4 B(E1)(W.u.)=3.9 $\times 10^{-6}$ +43-16
1572.51	(11/2 ⁺)	1520.2 [#] 5 1546.6 [#] 5	58 [#] 9 100 [#]	53.138 25.468	9/2 ⁺ 7/2 ⁺			
1586.87	1/2 ⁺	291.96 4	77 3	1294.91	1/2 ⁺	[M1]	0.0233	$\alpha(\text{K})=0.0203$ 3; $\alpha(\text{L})=0.00245$ 4; $\alpha(\text{M})=0.000465$ 7; $\alpha(\text{N}+..)=8.44\times 10^{-5}$ 12 $\alpha(\text{N})=8.06\times 10^{-5}$ 12; $\alpha(\text{O})=3.79\times 10^{-6}$ 6 B(M1)(W.u.)=0.008 +5-3

Adopted Levels, Gammas (continued)

<u>$\gamma(^{105}\text{Ag})$ (continued)</u>									
<u>E_i(level)</u>	<u>J_i^π</u>	<u>E_γ[†]</u>	<u>I_γ[†]</u>	<u>E_f</u>	<u>J_f^π</u>	<u>Mult.</u>	<u>δ</u>	<u>α^a</u>	<u>Comments</u>
1586.87	1/2 ⁺	1239.98 5	100 3	346.872	3/2 ⁻	[E1]		0.000366 6	$\alpha=0.000366$ 6; $\alpha(\text{K})=0.000270$ 4; $\alpha(\text{L})=3.08\times 10^{-5}$ 5; $\alpha(\text{M})=5.82\times 10^{-6}$ 9; $\alpha(\text{N}+..)=5.99\times 10^{-5}$ 9 $\alpha(\text{N})=1.009\times 10^{-6}$ 15; $\alpha(\text{O})=4.82\times 10^{-8}$ 7; $\alpha(\text{IPF})=5.89\times 10^{-5}$ 9 B(E1)(W.u.)= $1.9\times 10^{-6} +13-7$
		1586.84 8	72 3	0.0	1/2 ⁻	[E1]		0.000503 7	$\alpha=0.000503$ 7; $\alpha(\text{K})=0.0001772$ 25; $\alpha(\text{L})=2.01\times 10^{-5}$ 3; $\alpha(\text{M})=3.80\times 10^{-6}$ 6; $\alpha(\text{N}+..)=0.000302$ 5 $\alpha(\text{N})=6.59\times 10^{-7}$ 10; $\alpha(\text{O})=3.16\times 10^{-8}$ 5; $\alpha(\text{IPF})=0.000301$ 5 B(E1)(W.u.)= $6.6\times 10^{-7} +42-23$
1635.61	3/2 ⁺	249.41 6 340.66 4 758.07 15	4.5 18 6 3 8.0 9	1386.25 1294.91 877.82	3/2 ⁺ ,5/2 ⁺ 1/2 ⁺ 3/2 ⁻				
1635.786	(5/2 ⁺)	1610.3 6 307.83 3 538.67 6 648.49 2 1582.56 7	25.0 14 54 4 45.1 15 100 40.3 6	25.468 1327.932 1097.17 987.304 53.138	7/2 ⁺ 5/2 ⁺ (9/2 ⁺) (5/2 ⁺) ⁺ 9/2 ⁺				
1635.0 [‡] 6			[‡]	0.0	1/2 ⁻				
1656.2	3/2,5/2,7/2	613.5 4	100	1042.66	3/2 ⁻ ,5/2 ⁻				
1665.80	(13/2) ⁺	748.0 [#] 3 997.3 [#] 1	36 [#] 6 100 [#]	917.20 668.58	13/2 ⁺ 11/2 ⁺	M1+E2	+1.26 +25-59	0.00114 5	$\alpha=0.00114$ 5; $\alpha(\text{K})=0.00099$ 5; $\alpha(\text{L})=0.000117$ 5; $\alpha(\text{M})=2.22\times 10^{-5}$ 9; $\alpha(\text{N}+..)=4.03\times 10^{-6}$ 16 $\alpha(\text{N})=3.85\times 10^{-6}$ 15; $\alpha(\text{O})=1.81\times 10^{-7}$ 10 Mult.: $A_2=0.69$ 5, $A_4=0.23$ 7 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $P_{\text{exp}}=-92$ 24 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05).
1669.54	(3/2 ⁺ ,5/2)	1612.0 [#] 5 283.29 4 681.97 16	38 [#] 6 17.7 11 3.8 11	53.138 1386.25 987.304	9/2 ⁺ 3/2 ⁺ ,5/2 ⁺ (5/2 ⁺) ⁺				
		1322.2 10 1644.03 7	13 4 100	346.872 25.468	3/2 ⁻ 7/2 ⁺				
1680.79	15/2 ⁺	763.6 [#] 1	100 [#]	917.20	13/2 ⁺	M1+E2	+0.29 3	0.00223 4	$\alpha=0.00223$ 4; $\alpha(\text{K})=0.00195$ 3; $\alpha(\text{L})=0.000229$ 4; $\alpha(\text{M})=4.34\times 10^{-5}$ 6; $\alpha(\text{N}+..)=7.90\times 10^{-6}$ 11 $\alpha(\text{N})=7.54\times 10^{-6}$ 11; $\alpha(\text{O})=3.59\times 10^{-7}$ 5 Mult.: $A_2=0.19$ 3, $A_4=0.04$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=0.21$ 2, $A_4=-0.01$ 3 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=-49$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $P_{\text{c.p.}}=-0.46$ 16,

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)									
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
1680.79	15/2 ⁺	1012.2 [#] 3	46.6 [#] 16	668.58	11/2 ⁺	E2		0.001043 15	<p>$P_{\text{a.d.}}=-0.57$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); δ: $\alpha(\text{K})_{\text{exp}}=0.0020$ 6 (1979Ka05); Other: $0.27 \leq \delta \leq 0.33$ in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); Other: $+0.25$ 4 in $^{92}\text{Zr}(^{16}\text{O},p2n\gamma)$ (1979Po13). $\alpha=0.001043$ 15; $\alpha(\text{K})=0.000911$ 13; $\alpha(\text{L})=0.0001084$ 16; $\alpha(\text{M})=2.05 \times 10^{-5}$ 3; $\alpha(\text{N}+..)=3.71 \times 10^{-6}$ $\alpha(\text{N})=3.55 \times 10^{-6}$ 5; $\alpha(\text{O})=1.638 \times 10^{-7}$ 23 Mult.: $A_2=0.28$ 8, $A_4=-0.25$ 11 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=0.27$ 7, $A_4=-0.20$ 10 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=59$ 8 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $P_{\text{c.p.}}=0.44$ 30, $P_{\text{a.d.}}=0.35$ 16 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); δ: $\alpha(\text{K})_{\text{exp}}=0.00065$ 22 (1979Ka05).</p>
1690.79	(3/2 ⁺ ,5/2)	132.9 2 249.41 703.46 8 1343.82 10 1665.65 10	2.0 10 2.5 15 31.5 10 9.4 10 100	1557.884 1441.59 987.304 346.872 25.468	3/2 ⁺ 5/2 ⁺ (5/2) ⁺ 3/2 ⁻ 7/2 ⁺				
1718.82	(5/2 to 9/2)	1665.0 8 1693.34 5	10.0 19 100.0	53.138 25.468	9/2 ⁺ 7/2 ⁺				
1733.60	15/2 ⁺	161.1 [#] 1	3.3 [#] 3	1572.51	(11/2 ⁺)	(E2)		0.265	<p>$\alpha(\text{K})=0.217$ 3; $\alpha(\text{L})=0.0392$ 6; $\alpha(\text{M})=0.00760$ 11; $\alpha(\text{N}+..)=0.001285$ 19 $\alpha(\text{N})=0.001251$ 18; $\alpha(\text{O})=3.37 \times 10^{-5}$ 5 $B(\text{E}2)(\text{W.u.})=0.69$ 9 Mult.: $A_2=0.60$ 22, $A_4=-0.37$ 27 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $\alpha=0.00182$ 5; $\alpha(\text{K})=0.00159$ 4; $\alpha(\text{L})=0.000189$ 4; $\alpha(\text{M})=3.59 \times 10^{-5}$ 8; $\alpha(\text{N}+..)=6.49 \times 10^{-6}$ 14 $\alpha(\text{N})=6.21 \times 10^{-6}$ 13; $\alpha(\text{O})=2.89 \times 10^{-7}$ 9 $B(\text{M}1)(\text{W.u.})=1.07 \times 10^{-6}$ +40-36; $B(\text{E}2)(\text{W.u.})=0.0015$ 5 Mult.: $A_2=-0.92$ 6, $A_4=0.10$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=-0.76$ 5, $A_4=0.13$ 7 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=18$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05) $P_{\text{c.p.}}=0.16$ 9, $P_{\text{a.d.}}=0.09$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); δ: $\alpha(\text{K})_{\text{exp}}=0.0016$ 5 (1979Ka05); Other: $-0.35 \geq \delta \geq -1.10$ in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); -1.01 17 in $^{92}\text{Zr}(^{16}\text{O},p2n\gamma)$ (1979Po13).</p>
		816.5 [#] 1	46.5 [#] 23	917.20	13/2 ⁺	M1+E2	-1.04 +31-39	0.00182 5	

Adopted Levels, Gammas (continued) $\gamma(^{105}\text{Ag})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
1733.60	15/2 ⁺	1064.9 [#] 1	100 [#]	668.58	11/2 ⁺	E2	0.000932 13	$\alpha=0.000932$ 13; $\alpha(\text{K})=0.000814$ 12; $\alpha(\text{L})=9.65\times 10^{-5}$ 14; $\alpha(\text{M})=1.83\times 10^{-5}$ 3; $\alpha(\text{N}+..)=3.31\times 10^{-6}$ 5 $\alpha(\text{N})=3.16\times 10^{-6}$ 5; $\alpha(\text{O})=1.466\times 10^{-7}$ 21 $\text{B}(\text{E}2)(\text{W.u.})=0.00166$ 15 Mult.: $A_2=0.36$ 4, $A_4=-0.05$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=0.32$ 3, $A_4=-0.09$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $\text{P}_{\text{exp}}=46$ 7 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $\text{P}_{\text{c.p.}}=0.37$ 17, $\text{P}_{\text{a.d.}}=0.53$ 8 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $\delta: \alpha(\text{K})_{\text{exp}}=0.00059$ 19 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05).
1750.15	(5/2 ⁺)	192.27 9 422.27 6 762.8 3 1403.10 6 1697.2 2 1724.69 7	12.8 14 12.8 7 2.7 14 56.1 20 16.9 20 100	1557.884 1327.932 987.304 346.872 53.138 25.468	3/2 ⁺ 5/2 ⁺ (5/2) ⁺ 3/2 ⁻ 9/2 ⁺ 7/2 ⁺			
1794.44	7/2 ⁺	466.73 7 1361.5 2 1741.8 4	42 8 100 27 8	1327.932 433.223 53.138	5/2 ⁺ 5/2 ⁻ 9/2 ⁺			
1858.9	(5/2 ⁺ to 13/2 ⁺)	1244 [‡] 1 1805.8 [‡] 6	14 [‡] 4 100 [‡]	614.6 53.138	(5/2 ⁺ to 11/2 ⁺) 9/2 ⁺			
1883.4	(9/2 ⁺)	895.5 [‡] 6 966.4 [‡] 6 1830.5 [‡] 6 1858 [‡] 1	100 [‡] 99 [‡] 11 94 [‡] 16 38 [‡] 10	987.304 917.20 53.138 25.468	(5/2) ⁺ 13/2 ⁺ 9/2 ⁺ 7/2 ⁺			
1885.73	(5/2 ⁺ , 7/2 ⁺ , 9/2 ⁺)	499.45 788.7 2 1860.1 2	100 75 25 100	1386.25 1097.17 25.468	3/2 ⁺ , 5/2 ⁺ (9/2 ⁺) 7/2 ⁺			
1922.97	(7/2) ⁺	172.82 13 232.37 8 253.42 3 825.72 15	5.2 10 5.8 7 10.1 7 8.4 10	1750.15 1690.79 1669.54 1097.17	(5/2 ⁺) (3/2 ⁺ , 5/2) (3/2 ⁺ , 5/2) (9/2 ⁺)	[M1] [M1]	0.0926 0.00188 3	$\alpha(\text{K})=0.0805$ 12; $\alpha(\text{L})=0.00987$ 14; $\alpha(\text{M})=0.00188$ 3; $\alpha(\text{N}+..)=0.000340$ 5 $\alpha(\text{N})=0.000325$ 5; $\alpha(\text{O})=1.512\times 10^{-5}$ 22 $\text{B}(\text{M}1)(\text{W.u.})=0.0057$ +36-19 $\alpha=0.00188$ 3; $\alpha(\text{K})=0.001647$ 23; $\alpha(\text{L})=0.000192$ 3; $\alpha(\text{M})=3.65\times 10^{-5}$ 6; $\alpha(\text{N}+..)=6.63\times 10^{-6}$ 10 $\alpha(\text{N})=6.33\times 10^{-6}$ 9; $\alpha(\text{O})=3.03\times 10^{-7}$ 5 $\text{B}(\text{M}1)(\text{W.u.})=8.E-5$ 4
		1489.72 5	30.8 7	433.223	5/2 ⁻	[E1]	0.000451 7	$\alpha=0.000451$ 7; $\alpha(\text{K})=0.000197$ 3; $\alpha(\text{L})=2.24\times 10^{-5}$ 4; $\alpha(\text{M})=4.22\times 10^{-6}$ 6; $\alpha(\text{N}+..)=0.000227$ 4 $\alpha(\text{N})=7.32\times 10^{-7}$ 11; $\alpha(\text{O})=3.51\times 10^{-8}$ 5;

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)									
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
1922.97	(7/2) ⁺	1869.74 9	44.2 10	53.138	9/2 ⁺	[M1]		0.000549 8	$\alpha(\text{IPF})=0.000227$ 4 B(E1)(W.u.)= 7.3×10^{-7} +42-22 $\alpha=0.000549$ 8; $\alpha(\text{K})=0.000286$ 4; $\alpha(\text{L})=3.28 \times 10^{-5}$ 5; $\alpha(\text{M})=6.21 \times 10^{-6}$ 9; $\alpha(\text{N}+..)=0.000223$ 4 $\alpha(\text{N})=1.079 \times 10^{-6}$ 16; $\alpha(\text{O})=5.23 \times 10^{-8}$ 8; $\alpha(\text{IPF})=0.000222$ 4
		1897.52 7	100.0	25.468	7/2 ⁺	[M1]		0.000552 8	B(M1)(W.u.)= 3.8×10^{-5} +22-12 $\alpha=0.000552$ 8; $\alpha(\text{K})=0.000278$ 4; $\alpha(\text{L})=3.19 \times 10^{-5}$ 5; $\alpha(\text{M})=6.03 \times 10^{-6}$ 9; $\alpha(\text{N}+..)=0.000236$ 4 $\alpha(\text{N})=1.048 \times 10^{-6}$ 15; $\alpha(\text{O})=5.07 \times 10^{-8}$ 8; $\alpha(\text{IPF})=0.000235$ 4
1977.74	17/2 ⁺	297.0 [#] 1	30.6 [#] 11	1680.79	15/2 ⁺	M1+E2	+0.09 4	0.0224	B(M1)(W.u.)= 8.3×10^{-5} +48-25 $\alpha(\text{K})=0.0195$ 3; $\alpha(\text{L})=0.00235$ 4; $\alpha(\text{M})=0.000447$ 7; $\alpha(\text{N}+..)=8.11 \times 10^{-5}$ 13 $\alpha(\text{N})=7.75 \times 10^{-5}$ 12; $\alpha(\text{O})=3.63 \times 10^{-6}$ 6 Mult.: $A_{22}=-0.094$ 53; $A_{44}=0.017$ 70 in ⁹² Zr(¹⁶ O,p2n γ) (1979Po13); $R_{\text{DCO}}=0.72$ 12 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07).
		1060.5 [#] 1	100 [#]	917.20	13/2 ⁺	E2		0.000941 14	$\alpha=0.000941$ 14; $\alpha(\text{K})=0.000822$ 12; $\alpha(\text{L})=9.74 \times 10^{-5}$ 14; $\alpha(\text{M})=1.85 \times 10^{-5}$ 3; $\alpha(\text{N}+..)=3.34 \times 10^{-6}$ 5 $\alpha(\text{N})=3.19 \times 10^{-6}$ 5; $\alpha(\text{O})=1.479 \times 10^{-7}$ 21 Mult.: $A_{22}=0.322$ 32; $A_{44}=-0.15$ 5 in ⁹² Zr(¹⁶ O,p2n γ) (1979Po13); $R_{\text{DCO}}=0.65$ 6 in ⁷⁶ Ge(³⁷ Cl, α 4n γ) (1994Je12); $R_{\text{DCO}}=1.00$ 9 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07).
1983.3	(5/2 ⁺)	1930 [‡] 1	100 [‡]	53.138	9/2 ⁺				
1986.34	5/2 ⁺	1958 [‡] 1	88 [‡] 22	25.468	7/2 ⁺				
		295.7 3	0.9 6	1690.79	(3/2 ⁺ ,5/2)				
		316.82 5	15.6 6	1669.54	(3/2 ⁺ ,5/2)				
		545.0 2	0.9 3	1441.59	5/2 ⁺				
		658.3 10	2.1 18	1327.932	5/2 ⁺				
		889.13 8	15.9 6	1097.17	(9/2 ⁺)				
		998.43	5.9 18	987.304	(5/2) ⁺				
		1552.8 3	2.1 6	433.223	5/2 ⁻				
2022.37	17/2 ⁺	1933.11 8	100	53.138	9/2 ⁺				
		1960.89 9	56 3	25.468	7/2 ⁺				
		341.4 [#] 2	32.8 [#] 16	1680.79	15/2 ⁺	M1+E2	+0.11 +6-5	0.01569 24	$\alpha(\text{K})=0.01368$ 21; $\alpha(\text{L})=0.00165$ 3; $\alpha(\text{M})=0.000313$ 5; $\alpha(\text{N}+..)=5.67 \times 10^{-5}$ 9 $\alpha(\text{N})=5.42 \times 10^{-5}$ 9; $\alpha(\text{O})=2.55 \times 10^{-6}$ 4 Mult.: $A_2=0.01$ 5, $A_4=0.05$ 7 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); $A_2=-0.14$ 20, $A_4=0.14$ 36 in

Adopted Levels, Gammas (continued) $\gamma(^{105}\text{Ag})$ (continued)

<u>E_i(level)</u>	<u>J_i^{π}</u>	<u>E_{γ}^{\dagger}</u>	<u>I_{γ}^{\dagger}</u>	<u>E_f</u>	<u>J_f^{π}</u>	<u>Mult.</u>	<u>α^a</u>	<u>Comments</u>
								¹⁰³ Rh(α ,2n γ) (1985Ke09); P _{exp} =-19 6 in ¹⁰³ Rh(α ,2n γ) (1979Ka05). δ : α (K)exp=0.015 5 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); Other: -7 5 in ¹⁰³ Rh(α ,2n γ) (1979KeZW); +0.09 5 in ⁹² Zr(¹⁶ O,p2n γ) (1979Po13).
2022.37	17/2 ⁺	1105.2 [#] 1	100 [#]	917.20	13/2 ⁺	E2	0.000860 12	α =0.000860 12; α (K)=0.000751 11; α (L)=8.88 \times 10 ⁻⁵ 13; α (M)=1.682 \times 10 ⁻⁵ 24; α (N+..)=3.67 \times 10 ⁻⁶ α (N)=2.91 \times 10 ⁻⁶ 4; α (O)=1.353 \times 10 ⁻⁷ 19; α (IPF)=6.28 \times 10 ⁻⁷ 9 Mult.: A ₂ =0.30 2, A ₄ =-0.10 2 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); A ₂ =0.34 3, A ₄ =-0.08 4 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); P _{exp} =46 8 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); P _{c.p.} =0.58 17, P _{a.d.} =0.57 7 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); δ : α (K)exp=0.00058 18 in ¹⁰³ Rh(α ,2n γ) (1979Ka05).
2081.64	5/2 ⁺ ,7/2 ⁺	984.58 17 2028.48 7 2056.06 13	11 3 100 38.5 15	1097.17 53.138 25.468	(9/2 ⁺) 9/2 ⁺ 7/2 ⁺			
2113.50	(5/2 to 13/2)	947.2 [#] 2	100 [#]	1166.30	9/2 ⁻			
2144.4	3/2 ⁻ ,5/2 ⁻	1797.5 4	100	346.872	3/2 ⁻			
2156.42	3/2 ⁺	598.54 5 770.18 12	31.3 25 15.0 25	1557.884 1386.25	3/2 ⁺ 3/2 ⁺ ,5/2 ⁺			
		1169.09 8 1809.0 4	30.0 25 6.3 13	987.304 346.872	(5/2) ⁺ 3/2 ⁻			
2249.57	(1/2 ⁺ ,3/2)	2156.2 11 499.45 579.97 9	100 4 6 6 11.4 10	0.0 1750.15 1669.54	1/2 ⁻ (5/2 ⁺) (3/2 ⁺ ,5/2)			
		613.5 4 662.79 7	20 12 16.2 19	1635.61 1586.87	3/2 ⁺ 1/2 ⁺			
		921.62 5 954.53 12	97.1 19 5.7 19	1327.932 1294.91	5/2 ⁺ 1/2 ⁺			
		1006.25 9 1262.24 14	15.2 29 7.6 19	1243.38 987.304	(3/2 ⁺ ,5/2,7/2 ⁻) (5/2) ⁺			
2256.52	5/2 ⁺	1902.79 13 2249.48 10	26.7 19 100	346.872 0.0	3/2 ⁻ 1/2 ⁻			
		461.96 11 928.8 2	7.7 15 5. 3	1794.44 1327.932	7/2 ⁺ 5/2 ⁺			
		1232.84 13 1823.1 2	10.8 15 25. 5	1023.68 433.223	7/2 ⁻ 5/2 ⁻			
		1909.69 8 2230.88 12	100.0 23 32.3 15	346.872 25.468	3/2 ⁻ 7/2 ⁺			
2275.99	5/2 ⁺	1929.1 2	100	346.872	3/2 ⁻			
2277.1	17/2 ⁺	1359.9 [‡] 5	100 [‡]	917.20	13/2 ⁺	E2	0.000595 9	α =0.000595 9; α (K)=0.000487 7; α (L)=5.68 \times 10 ⁻⁵ 8;

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)									
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
									$\alpha(\text{M})=1.076\times 10^{-5}$ 15; $\alpha(\text{N}+..)=4.02\times 10^{-5}$ 6 $\alpha(\text{N})=1.86\times 10^{-6}$ 3; $\alpha(\text{O})=8.78\times 10^{-8}$ 13; $\alpha(\text{IPF})=3.83\times 10^{-5}$ 6 Mult.: $R_{\text{DCO}}=0.40$ 16 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
2277.1	17/2 ⁺	2224 ^{±b} 2	22 [±] 6	53.138	9/2 ⁺				
2298.61	17/2 ⁻	565.0 [#] 1	100 [#]	1733.60	15/2 ⁺	E1		0.001513 22	$\alpha=0.001513$ 22; $\alpha(\text{K})=0.001325$ 19; $\alpha(\text{L})=0.0001540$ 22; $\alpha(\text{M})=2.91\times 10^{-5}$ 4; $\alpha(\text{N}+..)=5.27\times 10^{-6}$ $\alpha(\text{N})=5.03\times 10^{-6}$ 7; $\alpha(\text{O})=2.34\times 10^{-7}$ 4 Mult.: $A_2=-0.24$ 4, $A_4=-0.10$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=-0.24$ 2, $A_4=0.05$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=30$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $P_{\text{c.p.}}=0.32$ 15, $P_{\text{a.d.}}=-0.29$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); δ : $\alpha(\text{K})_{\text{exp}}=0.0012$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05).
2300.38	3/2 ⁺ ,5/2 ⁺	630.8 3 858.95 12 972.48 10 1422.19 15 1867.3 3 1953.51 16	37 15 100 4 56 10 28 10 47 10 60 5	1669.54 1441.59 1327.932 877.82 433.223 346.872	(3/2 ⁺ ,5/2) 5/2 ⁺ 5/2 ⁺ 3/2 ⁻ 5/2 ⁻ 3/2 ⁻				
2308.32	3/2 ⁺	617.41 9 866.9 2 892.21 8 1013.51 8 1874.99 14 1960.9 10 2308.3 12	42 16 26 3 100 58 5 50 5 29 18 58 3	1690.79 1441.59 1416.11 1294.91 433.223 346.872 0.0	(3/2 ⁺ ,5/2) 5/2 ⁺ 1/2,3/2,5/2 ⁻ 1/2 ⁺ 5/2 ⁻ 3/2 ⁻ 1/2 ⁻				
2312.78	19/2 ⁺	290.4 [#] 1	35.0 [#] 14	2022.37	17/2 ⁺	M1+E2	-2.05 +36-28	0.0324 9	$\alpha(\text{K})=0.0277$ 7; $\alpha(\text{L})=0.00390$ 13; $\alpha(\text{M})=0.00075$ 3; $\alpha(\text{N}+..)=0.000131$ 5 $\alpha(\text{N})=0.000126$ 4; $\alpha(\text{O})=4.72\times 10^{-6}$ 10 Mult.: $A_2=-0.77$ 3, $A_4=0.44$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=-0.78$ 3, $A_4=0.18$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=27$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $P_{\text{c.p.}}=0.87$ 63, $P_{\text{a.d.}}=0.20$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); δ : $\alpha(\text{K})_{\text{exp}}=0.026$ 8 in $^{103}\text{Rh}(\alpha,2n\gamma)$

Adopted Levels, Gammas (continued) $\gamma(^{105}\text{Ag})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
								(1979Ka05); Other: $-2.3 \leq \delta \leq -1.8$ in $^{103}\text{Rh}(\alpha, 2n\gamma)$ (1985Ke09).
2312.78	19/2 ⁺	579.2 [#] 1	100 [#]	1733.60	15/2 ⁺	E2	0.00417 6	$\alpha=0.00417$ 6; $\alpha(\text{K})=0.00361$ 5; $\alpha(\text{L})=0.000456$ 7; $\alpha(\text{M})=8.67 \times 10^{-5}$ 13; $\alpha(\text{N}+..)=1.550 \times 10^{-5}$ 22 $\alpha(\text{N})=1.487 \times 10^{-5}$ 21; $\alpha(\text{O})=6.39 \times 10^{-7}$ 9 Mult.: $A_2=0.37$ 4, $A_4=-0.07$ 6 in $^{103}\text{Rh}(\alpha, 2n\gamma)$ (1979Ka05); $A_2=0.30$ 3, $A_4=-0.10$ 5 in $^{103}\text{Rh}(\alpha, 2n\gamma)$ (1985Ke09); $P_{\text{exp}}=83$ 7 in $^{103}\text{Rh}(\alpha, 2n\gamma)$ (1979Ka05); $P_{\text{c.p.}}=0.56$ 14, $P_{\text{a.d.}}=0.48$ 8 in $^{103}\text{Rh}(\alpha, 2n\gamma)$ (1985Ke09); $\delta: \alpha(\text{K})_{\text{exp}}=0.0031$ 10 in $^{103}\text{Rh}(\alpha, 2n\gamma)$ (1979Ka05).
2314.81	5/2 ⁺	520.54 5	69 3	1794.44	7/2 ⁺			
		623.7 2	40 3	1690.79	(3/2 ⁺ , 5/2)			
		727.54 13	34 6	1586.87	1/2 ⁺			
		986.91 10	100	1327.932	5/2 ⁺			
		1147.9 4	6 3	1166.30	9/2 ⁻			
		1327.20 17	29 6	987.304	(5/2) ⁺			
		1881.36 12	80 6	433.223	5/2 ⁻			
		2288.9 2	18.3 20	25.468	7/2 ⁺			
2326.04	(5/2 ⁺)	403.3 4	0.38 25	1922.97	(7/2) ⁺			
		607.22 2	100	1718.82	(5/2 to 9/2)			
		635.4 3	12.78 25	1690.79	(3/2 ⁺ , 5/2)			
		656.53 7	1.88 13	1669.54	(3/2 ⁺ , 5/2)			
		738.8 3	0.50 25	1586.87	1/2 ⁺			
		884.57 8	15.79 25	1441.59	5/2 ⁺			
		998.4 10	3.9 10	1327.932	5/2 ⁺			
		1031.86	1.3 9	1294.91	1/2 ⁺			
		1082.56 16	1.6 4	1243.38	(3/2 ⁺ , 5/2, 7/2 ⁻)			
		1228.74 6	6.5 5	1097.17	(9/2 ⁺)			
		1283.60 30	0.63 25	1042.66	3/2 ⁻ , 5/2 ⁻			
		1302.46	2.5 13	1023.68	7/2 ⁻			
		1338.69 4	17.4 5	987.304	(5/2) ⁺			
		1892.89 8	18.92 25	433.223	5/2 ⁻			
		2272.85 15	27.6 15	53.138	9/2 ⁺			
2327.82	3/2, 5/2, 7/2	941.6 11	20 3	1386.25	3/2 ⁺ , 5/2 ⁺			
		1340.50 6	100 6	987.304	(5/2) ⁺			
		1894.80 30	16 11	433.223	5/2 ⁻			
2333.34	3/2 ⁺	583.17 6	4.27 24	1750.15	(5/2 ⁺)			
		642.8 6	4.7 5	1690.79	(3/2 ⁺ , 5/2)			
		697.70 20	4.50 24	1635.61	3/2 ⁺			
		746.44 7	27.0 5	1586.87	1/2 ⁺			
		775.41 7	9.7 5	1557.884	3/2 ⁺			
		1038.44 6	29.6 5	1294.91	1/2 ⁺			

Adopted Levels, Gammas (continued) $\gamma(^{105}\text{Ag})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
2333.34	3/2 ⁺	1900.21 13	5.9 5	433.223	5/2 ⁻			
		1986.57 7	38.2 5	346.872	3/2 ⁻			
		2333.26 5	100 3	0.0	1/2 ⁻			
2371.80	5/2 ⁺ , 7/2 ⁺	577.4 2	14 3	1794.44	7/2 ⁺			
		1205.4 3	6 3	1166.30	9/2 ⁻			
		1938.5 9	100	433.223	5/2 ⁻			
		2318.5 14	16.5 14	53.138	9/2 ⁺			
2400.62	(3/2 ⁺)	709.87 8	79 6	1690.79	(3/2 ⁺ , 5/2)			
		842.44	41 12	1557.884	3/2 ⁺			
		1105.8 2	18 3	1294.91	1/2 ⁺			
		1413.24 18	88. 21	987.304	(5/2) ⁺			
		1522.9 3	12 6	877.82	3/2 ⁻			
		2053.6 14	100	346.872	3/2 ⁻			
		2375.2 3	4.7 15	25.468	7/2 ⁺			
		2400.37 15	27.6 21	0.0	1/2 ⁻			
		2419.29	5/2 ⁺ , 7/2 ⁺ , 9/2 ⁺	700.07 16	61 7	1718.82	(5/2 to 9/2)	
749.7 3	54 13			1669.54	(3/2 ⁺ , 5/2)			
978.22 15	82 13			1441.59	5/2 ⁺			
1033.1 2	100 29			1386.25	3/2 ⁺ , 5/2 ⁺			
1091.0 3	41 13			1327.932	5/2 ⁺			
1322.20	87 54			1097.17	(9/2 ⁺)			
2423.33	3/2 ⁺	1431.85 16	62 13	987.304	(5/2) ⁺			
		836.3 3	7 3	1586.87	1/2 ⁺			
		981.5 9	39 4	1441.59	5/2 ⁺			
		1095.7 4	4 3	1327.932	5/2 ⁺			
		2076.5 4	10.7 13	346.872	3/2 ⁻			
		2422.99	100 4	0.0	1/2 ⁻			
2429.10	(3/2 ⁺)	842.44	24 17	1586.87	1/2 ⁺			
		870.88 14	34 10	1557.884	3/2 ⁺			
		1995.97 10	100 10	433.223	5/2 ⁻			
2447.21	(5/2 ⁺ , 7/2 ⁺)	2429.19 14	45 21	0.0	1/2 ⁻			
		1061.4 3	23 11	1386.25	3/2 ⁺ , 5/2 ⁺			
		1119.7 2	34 11	1327.932	5/2 ⁺			
		1350.0 3	23 11	1097.17	(9/2 ⁺)			
		1459.62 13	100	987.304	(5/2) ⁺			
2470.06	15/2 ⁻	2014.0 3	38 11	433.223	5/2 ⁻			
		1552.8 [#] 2	100 [#]	917.20	13/2 ⁺	E1	0.000484 7	$\alpha=0.000484$ 7; $\alpha(\text{K})=0.000184$ 3; $\alpha(\text{L})=2.09\times 10^{-5}$ 3; $\alpha(\text{M})=3.94\times 10^{-6}$ 6; $\alpha(\text{N}+..)=0.000276$ 4 $\alpha(\text{N})=6.83\times 10^{-7}$ 10; $\alpha(\text{O})=3.28\times 10^{-8}$ 5; $\alpha(\text{IPF})=0.000275$ 4 Mult.: $A_2=-0.31$ 3, $A_4=-0.07$ 4 in $^{103}\text{Rh}(\alpha, 2n\gamma)$ (1979Ka05); $A_2=-0.23$ 4, $A_4=0.04$ 6 in $^{103}\text{Rh}(\alpha, 2n\gamma)$ (1985Ke09); $P_{\text{exp}}=10$ 9 in $^{103}\text{Rh}(\alpha, 2n\gamma)$ (1979Ka05); $P_{\text{c.p.}}=0.3$ 4,

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)									
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
									$P_{a.d.}=-0.30$ 7 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $\delta: \alpha(\text{K})_{\text{exp}}=0.00015$ 7 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05).
2472.99	(5/2 ⁺ ,7/2 ⁺)	782.4 3 1031.86 1144.7 3 1375.77 8 1485.71 8	11 6 42 28 8 3 67 6 100 6	1690.79 1441.59 1327.932 1097.17 987.304	(3/2 ⁺ ,5/2) 5/2 ⁺ 5/2 ⁺ (9/2 ⁺) (5/2) ⁺				
2494.8	(3/2 ⁺ to 9/2 ⁻)	2061.5 3 2469.5 5	100 27 6	433.223 25.468	5/2 ⁻ 7/2 ⁺				
2497.28	15/2 ⁻	1580.1# 2	100#	917.20	13/2 ⁺	E1		0.000499 7	$\alpha=0.000499$ 7; $\alpha(\text{K})=0.0001784$ 25; $\alpha(\text{L})=2.03\times 10^{-5}$ 3; $\alpha(\text{M})=3.82\times 10^{-6}$ 6; $\alpha(\text{N}+..)=0.000297$ 5 $\alpha(\text{N})=6.64\times 10^{-7}$ 10; $\alpha(\text{O})=3.18\times 10^{-8}$ 5; $\alpha(\text{IPF})=0.000296$ 5 Mult.: $A_2=-0.24$ 2, $A_4=0.03$ 3 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=-0.29$ 3, $A_4=-0.05$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=10$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $P_{c.p.}=0.2$ 2, $P_{a.d.}=-0.41$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $\delta: \alpha(\text{K})_{\text{exp}}=0.00014$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05).
2550.68	(5/2 ⁻)	755.9 3 800.23 16 992.93 14 1109.15 2117.3 15 2203.58 2525.45 18	30 10 50 10 45 10 40 20 95 10 100 84 4	1794.44 1750.15 1557.884 1441.59 433.223 346.872 25.468	7/2 ⁺ (5/2 ⁺) 3/2 ⁺ 5/2 ⁺ 5/2 ⁻ 3/2 ⁻ 7/2 ⁺				
2584.25	(5/2 ⁺)	1289.6 4 2530.8 3 2558.8 2	100 22 5 53 5	1294.91 53.138 25.468	1/2 ⁺ 9/2 ⁺ 7/2 ⁺				
2595.68	17/2 ⁻	98.4# 1	100#	2497.28	15/2 ⁻	M1+E2	0.00 +3-5	0.439	$\alpha(\text{K})=0.381$ 6; $\alpha(\text{L})=0.0473$ 8; $\alpha(\text{M})=0.00902$ 14; $\alpha(\text{N}+..)=0.001630$ 25 $\alpha(\text{N})=0.001559$ 24; $\alpha(\text{O})=7.18\times 10^{-5}$ 11 Mult.: $A_2=-0.23$ 1; $A_4=-0.02$ 2 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05) $A_2=-0.21$ 3, $A_4=0.09$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{a.d.}=-0.39$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $\delta: \text{Other: } 0.0\leq\delta\leq 0.04$ in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); -0.12 5 $^{92}\text{Zr}(^{16}\text{O},p2n\gamma)$ (1979Po13).

Adopted Levels, Gammas (continued) $\gamma(^{105}\text{Ag})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
2595.68	17/2 ⁻	125.6 [#] 1	70.2 [#] 19	2470.06	15/2 ⁻	M1+E2	+0.08 +3-1	0.224	$\alpha(\text{K})=0.195$ 4; $\alpha(\text{L})=0.0243$ 6; $\alpha(\text{M})=0.00464$ 12; $\alpha(\text{N}+..)=0.000837$ 19 $\alpha(\text{N})=0.000801$ 19; $\alpha(\text{O})=3.65\times 10^{-5}$ 6 Mult.: $A_2=-0.09$ 9; $A_4=0.00$ 6 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05) $A_2=-0.13$ 3, $A_4=0.03$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{a.d.}}=-0.37$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); δ : Other: $0.02\leq\delta\leq 0.09$ in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09), and -0.12 5 $^{92}\text{Zr}(^{16}\text{O},\text{p}2n\gamma)$ (1979Po13).
		297.0 [#]	81 [#] 3	2298.61	17/2 ⁻	M1+E2	0.22 38	0.0227 22	$\alpha(\text{K})=0.0198$ 18; $\alpha(\text{L})=0.0024$ 4; $\alpha(\text{M})=0.00046$ 7; $\alpha(\text{N}+..)=8.3\times 10^{-5}$ 11 $\alpha(\text{N})=7.9\times 10^{-5}$ 11; $\alpha(\text{O})=3.67\times 10^{-6}$ 22
		914.9 [#] 1	54 [#] 19	1680.79	15/2 ⁺	E1		0.000543 8	$\alpha=0.000543$ 8; $\alpha(\text{K})=0.000476$ 7; $\alpha(\text{L})=5.47\times 10^{-5}$ 8; $\alpha(\text{M})=1.033\times 10^{-5}$ 15; $\alpha(\text{N}+..)=1.87\times 10^{-6}$ 3 $\alpha(\text{N})=1.79\times 10^{-6}$ 3; $\alpha(\text{O})=8.47\times 10^{-8}$ 12 Mult.: $A_2=-0.22$ 30, $A_4=-0.02$ 34 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=-0.17$ 7, $A_4=0.18$ 11 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=66$ 12 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $P_{\text{c.p.}}=0.64$ 27, $P_{\text{a.d.}}=-0.12$ 11 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09);
2621.7	(15/2 ⁻)	940.9 [@] 5	100 [@]	1680.79	15/2 ⁺				
2751.17	19/2 ⁻	155.5 [@] 1	100 [@]	2595.68	17/2 ⁻	M1+E2	+0.04 +1-3	0.1236	$\alpha(\text{K})=0.1074$ 16; $\alpha(\text{L})=0.01323$ 20; $\alpha(\text{M})=0.00252$ 4; $\alpha(\text{N}+..)=0.000456$ 7 $\alpha(\text{N})=0.000436$ 7; $\alpha(\text{O})=2.02\times 10^{-5}$ 3 Mult.: $A_2=-0.17$ 1; $A_4=0.00$ 1 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05) $A_2=-0.17$ 2, $A_4=0.05$ 2 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=-0.68$ 35, $P_{\text{a.d.}}=-0.41$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $R_{\text{DCO}}=0.56$ 6 in $^{100}\text{Mo}(^{10}\text{B},5n\gamma)$ (2007Ti07). δ : Other: $0.02\leq\delta\leq 0.08$ in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $+0.04$ 1 $^{92}\text{Zr}(^{16}\text{O},\text{p}2n\gamma)$ (1979Po13).
		452.3 [@] 10	3.4 [@] 17	2298.61	17/2 ⁻	M1+E2		0.0081 4	$\alpha=0.0081$ 4; $\alpha(\text{K})=0.0070$ 3; $\alpha(\text{L})=0.00088$ 8; $\alpha(\text{M})=0.000168$ 15; $\alpha(\text{N}+..)=3.01\times 10^{-5}$ 24 $\alpha(\text{N})=2.89\times 10^{-5}$ 24; $\alpha(\text{O})=1.267\times 10^{-6}$ 21 Mult.: $R_{\text{DCO}}=1.04$ 25 in $^{100}\text{Mo}(^{10}\text{B},5n\gamma)$ (2007Ti07).
2761.4	21/2 ⁺	448.6 [@] 5	100 [@]	2312.78	19/2 ⁺	M1+E2	+0.33 +6-3	0.00801 12	$\alpha=0.00801$ 12; $\alpha(\text{K})=0.00698$ 11; $\alpha(\text{L})=0.000840$ 14; $\alpha(\text{M})=0.000159$ 3; $\alpha(\text{N}+..)=2.89\times 10^{-5}$ 5 $\alpha(\text{N})=2.76\times 10^{-5}$ 5; $\alpha(\text{O})=1.288\times 10^{-6}$ 19 Mult.: $A_2=0.23$ 6, $A_4=-0.09$ 8 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=0.37$ 6, $A_4=0.01$ 9 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $P_{\text{exp}}=-80$ 9 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05);

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)									
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
									P _{c.p.} =-0.84 35, P _{a.d.} =-0.81 15 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); R _{DCO} =0.67 17 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07).
									δ : $\alpha(\text{K})_{\text{exp}}=0.0059$ 19 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); Other: $0.30 \leq \delta \leq 0.44$ in ¹⁰³ Rh(α ,2n γ) (1985Ke09); +0.26 4 in ⁹² Zr(¹⁶ O,p2n γ) (1979Po13).
2761.4	21/2 ⁺	739.1 @ 10	13 @ 7	2022.37	17/2 ⁺	E2		0.00220 4	$\alpha=0.00220$ 4; $\alpha(\text{K})=0.00191$ 3; $\alpha(\text{L})=0.000234$ 4; $\alpha(\text{M})=4.44 \times 10^{-5}$ 7; $\alpha(\text{N}+..)=7.99 \times 10^{-6}$ 12 $\alpha(\text{N})=7.65 \times 10^{-6}$ 11; $\alpha(\text{O})=3.41 \times 10^{-7}$ 5 Mult.: R _{DCO} =1.1 3 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07).
2774.6	(17/2) ⁻	152.9 @ 5	56 @ 5	2621.7	(15/2) ⁻	M1(+E2)		0.22 10	$\alpha(\text{K})=0.19$ 8; $\alpha(\text{L})=0.031$ 18; $\alpha(\text{M})=0.006$ 4; $\alpha(\text{N}+..)=0.0010$ 6 $\alpha(\text{N})=0.0010$ 6; $\alpha(\text{O})=3.1 \times 10^{-5}$ 10 Mult.: A ₂ =-0.18 11, A ₄ =-0.04 16 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); A ₂ =-0.16 3, A ₄ =-0.09 5 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); R _{DCO} =0.95 14 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07) +0.06 1 in ⁹² Zr(¹⁶ O,p2n γ) (1979Po13).
		304.7 @ 10	33 @ 16	2470.06	15/2 ⁻				
		796.9 @ 10	44 @ 23	1977.74	17/2 ⁺				
		1093.7 @ 5	100 @	1680.79	15/2 ⁺	E1		0.000386 6	$\alpha=0.000386$ 6; $\alpha(\text{K})=0.000339$ 5; $\alpha(\text{L})=3.88 \times 10^{-5}$ 6; $\alpha(\text{M})=7.32 \times 10^{-6}$ 11; $\alpha(\text{N}+..)=1.330 \times 10^{-6}$ 19 $\alpha(\text{N})=1.269 \times 10^{-6}$ 18; $\alpha(\text{O})=6.04 \times 10^{-8}$ 9 Mult.: A ₂ =-0.18 7, A ₄ =-0.09 11 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); P _{exp} =29 14 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); P _{c.p.} =0.2 5, P _{a.d.} =-0.44 12 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); R _{DCO} =0.57 17 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07).
2839.2	(19/2 ⁺)	861.5 @ 5	100 @	1977.74	17/2 ⁺				
		1158.3 @ 5	46 @ 5	1680.79	15/2 ⁺				
2865.38	(19/2 ⁺)	588.3 & 5	100 &	2277.1	17/2 ⁺				
2907.8	(19/2) ⁻	609.1 @ 5	96 @ 9	2298.61	17/2 ⁻	D			Mult.: R _{DCO} =1.01 15 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07).
		885.6 @ 10	56 @ 30	2022.37	17/2 ⁺				
		930.3 @ 5	100 @	1977.74	17/2 ⁺				
2935.67	21/2 ⁻	184.5 & 1	100 &	2751.17	19/2 ⁻	M1+E2	+0.06 1	0.0780	$\alpha(\text{K})=0.0678$ 10; $\alpha(\text{L})=0.00832$ 12; $\alpha(\text{M})=0.001582$ 23; $\alpha(\text{N}+..)=0.000287$ 4 $\alpha(\text{N})=0.000274$ 4; $\alpha(\text{O})=1.271 \times 10^{-5}$ 18 Mult.: A ₂ =-0.16 1, A ₄ =0.00 1 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); A ₂ =-0.14 2, A ₄ =-0.07 2 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); P _{exp} =-39 11 in ¹⁰³ Rh(α ,2n γ) (1979Ka05);

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)									
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
									P _{c.p.} = -0.38 27, P _{a.d.} = -0.47 3 in ¹⁰³ Rh($\alpha, 2n\gamma$) (1985Ke09); R _{DCO} = 0.62 7 in ¹⁰⁰ Mo(¹⁰ B, 5n γ) (2007Ti07) R _{DCO} = 0.99 2 in ⁷⁶ Ge(³⁷ Cl, $\alpha, 4n\gamma$) (1994Je12).
2935.67	21/2 ⁻	340.0 ^{&} 2	12.6 ^{&} 23	2595.68	17/2 ⁻	(E2)		0.0206	δ : others: $0.05 \leq \delta \leq 0.08$ in ¹⁰³ Rh($\alpha, 2n\gamma$) (1985Ke09). $\alpha(\text{K}) = 0.01760$ 25; $\alpha(\text{L}) = 0.00244$ 4; $\alpha(\text{M}) = 0.000467$ 7; $\alpha(\text{N}+..) = 8.21 \times 10^{-5}$ 12 $\alpha(\text{N}) = 7.91 \times 10^{-5}$ 12; $\alpha(\text{O}) = 3.00 \times 10^{-6}$ 5 Mult.: R _{DCO} = 0.95 10 in ⁷⁶ Ge(³⁷ Cl, $\alpha, 4n\gamma$) (1994Je12).
2943.5	(19/2 ⁻)	168.9 [#] 1	100 [#]	2774.6	(17/2 ⁻)	M1(+E2)	0.15 15	0.101 8	$\alpha(\text{K}) = 0.088$ 6; $\alpha(\text{L}) = 0.0110$ 14; $\alpha(\text{M}) = 0.0021$ 3; $\alpha(\text{N}+..) = 0.00038$ 5 $\alpha(\text{N}) = 0.00036$ 5; $\alpha(\text{O}) = 1.64 \times 10^{-5}$ 8 Mult.: A ₂ = -0.25 2, A ₄ = -0.02 3 in ¹⁰³ Rh($\alpha, 2n\gamma$) (1979Ka05); A ₂ = -0.23 2, A ₄ = -0.01 2 in ¹⁰³ Rh($\alpha, 2n\gamma$) (1985Ke09); P _{exp} = -0.37 33, P _{a.d.} = -0.36 3 in ¹⁰³ Rh($\alpha, 2n\gamma$) (1985Ke09); R _{DCO} = 0.62 7 in ¹⁰⁰ Mo(¹⁰ B, 5n γ) (2007Ti07).
3101.5	(21/2 ⁻)	193.8 [@] 5	100 [@]	2907.8	(19/2 ⁻)	M1		0.0681 11	δ : others: $0.0 \leq \delta \leq 0.03$ in ¹⁰³ Rh($\alpha, 2n\gamma$) (1985Ke09). $\alpha(\text{K}) = 0.0592$ 10; $\alpha(\text{L}) = 0.00724$ 12; $\alpha(\text{M}) = 0.001376$ 22; $\alpha(\text{N}+..) = 0.000249$ 4 $\alpha(\text{N}) = 0.000238$ 4; $\alpha(\text{O}) = 1.111 \times 10^{-5}$ 18 Mult.: R _{DCO} = 0.94 19 in ¹⁰⁰ Mo(¹⁰ B, 5n γ) (2007Ti07).
		350.3 [@] 5	94 [@] 9	2751.17	19/2 ⁻	M1+E2		0.0167 21	$\alpha(\text{K}) = 0.0144$ 17; $\alpha(\text{L}) = 0.0019$ 4; $\alpha(\text{M}) = 0.00036$ 7; $\alpha(\text{N}+..) = 6.4 \times 10^{-5}$ 11 $\alpha(\text{N}) = 6.1 \times 10^{-5}$ 11; $\alpha(\text{O}) = 2.56 \times 10^{-6}$ 19 Mult.: R _{DCO} = 0.54 9 in ¹⁰⁰ Mo(¹⁰ B, 5n γ) (2007Ti07).
3124.88	21/2 ⁺	259.5 ^{&} 1	57 ^{&} 6	2865.38	(19/2 ⁺)	M1		0.0316	$\alpha(\text{K}) = 0.0275$ 4; $\alpha(\text{L}) = 0.00333$ 5; $\alpha(\text{M}) = 0.000632$ 9; $\alpha(\text{N}+..) = 0.0001147$ 17 $\alpha(\text{N}) = 0.0001096$ 16; $\alpha(\text{O}) = 5.14 \times 10^{-6}$ 8 Mult.: R _{DCO} = 0.98 5 or 0.43 8 in ⁷⁶ Ge(³⁷ Cl, $\alpha, 4n\gamma$) (1994Je12).
		285.7 [@] 10	6 [@] 3	2839.2	(19/2 ⁺)				
		1102.5 [@] 10	11 [@] 6	2022.37	17/2 ⁺				
		1147.1 ^{&} 2	100 ^{&}	1977.74	17/2 ⁺	E2		0.000796 12	$\alpha = 0.000796$ 12; $\alpha(\text{K}) = 0.000693$ 10; $\alpha(\text{L}) = 8.18 \times 10^{-5}$ 12; $\alpha(\text{M}) = 1.549 \times 10^{-5}$ 22; $\alpha(\text{N}+..) = 5.06 \times 10^{-6}$ $\alpha(\text{N}) = 2.68 \times 10^{-6}$ 4; $\alpha(\text{O}) = 1.249 \times 10^{-7}$ 18; $\alpha(\text{IPF}) = 2.25 \times 10^{-6}$ 4 Mult.: A ₂ = 0.44 16, A ₄ = -0.03 21 in ¹⁰³ Rh($\alpha, 2n\gamma$)

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)									
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
3175.87	23/2 ⁻	240.2 [@] 1	100 [@]	2935.67	21/2 ⁻	M1(+E2)	+0.02 +3-1	0.0386	(1979Ka05); R _{DCO} =1.05 19 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07) P _{exp} =70 18 in ¹⁰³ Rh(α ,2n γ) (1979Ka05). δ : $\alpha(\text{K})_{\text{exp}}=0.00038$ 14 in ¹⁰³ Rh(α ,2n γ) (1979Ka05). $\alpha(\text{K})=0.0336$ 5; $\alpha(\text{L})=0.00408$ 6; $\alpha(\text{M})=0.000776$ 11; $\alpha(\text{N}+..)=0.0001407$ 20 $\alpha(\text{N})=0.0001344$ 19; $\alpha(\text{O})=6.29 \times 10^{-6}$ 9 Mult.: A ₂ =-0.17 1, A ₄ =-0.03 2 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); A ₂ =-0.14 2, A ₄ =-0.04 3 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); P _{exp} =-25 5 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); P _{c.p.} =-0.35 26, P _{a.d.} =-0.45 3 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); R _{DCO} =0.52 5 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07). δ : $\alpha(\text{K})_{\text{exp}}=0.039$ 12 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); Other: $0.04 \leq \delta \leq 0.07$ in ¹⁰³ Rh(α ,2n γ) (1985Ke09); +0.05 1 in ⁹² Zr(¹⁶ O,p2n γ) (1979Po13).
3176.9	21/2 ⁻	424.8 [@] 10 233.3 [@] 5	3.9 [@] 21 100 [@]	2751.17 2943.5	19/2 ⁻ (19/2 ⁻)	M1(+E2)	+0.01 +3-2	0.0417 7	$\alpha(\text{K})=0.0363$ 6; $\alpha(\text{L})=0.00441$ 7; $\alpha(\text{M})=0.000838$ 13; $\alpha(\text{N}+..)=0.0001519$ 23 $\alpha(\text{N})=0.0001451$ 22; $\alpha(\text{O})=6.79 \times 10^{-6}$ 11 Mult.: A ₂ =-0.20 2, A ₄ =0.00 3 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); A ₂ =-0.21 2, A ₄ =-0.07 3 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); P _{exp} =-30 8 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); P _{c.p.} =-0.46 35, P _{a.d.} =-0.45 3 in ¹⁰³ Rh(α ,2n γ) (1985Ke09); R _{DCO} =0.52 6 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07). δ : $\alpha(\text{K})_{\text{exp}}=0.027$ 9 in ¹⁰³ Rh(α ,2n γ) (1979Ka05); Other: $0.01 \leq \delta \leq 0.04$ (1985Ke09).
3351.2	(21/2 ⁺)	1373.5 [@] 5	100 [@]	1977.74	17/2 ⁺				
3408.4	(23/2 ⁻)	306.9 [@] 5	100 [@]	3101.5	(21/2 ⁻)	M1+E2		0.025 5	$\alpha(\text{K})=0.021$ 4; $\alpha(\text{L})=0.0028$ 7; $\alpha(\text{M})=0.00054$ 13; $\alpha(\text{N}+..)=9.5 \times 10^{-5}$ 22 $\alpha(\text{N})=9.2 \times 10^{-5}$ 21; $\alpha(\text{O})=3.7 \times 10^{-6}$ 4 Mult.: R _{DCO} =0.75 9 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07).
3481.4	(23/2 ⁻)	304.5 [@] 5	100 [@]	3176.9	21/2 ⁻	M1+E2		0.025 5	$\alpha(\text{K})=0.022$ 4; $\alpha(\text{L})=0.0029$ 7; $\alpha(\text{M})=0.00055$ 14; $\alpha(\text{N}+..)=9.8 \times 10^{-5}$ 23 $\alpha(\text{N})=9.4 \times 10^{-5}$ 22; $\alpha(\text{O})=3.8 \times 10^{-6}$ 5 Mult.: A ₂ =-0.18 11, A ₄ =-0.04 16 in ¹⁰³ Rh(α ,2n γ) (1979Ka05) R _{DCO} =1.02 8 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07).
3510.38	25/2 ⁻	379.9 [@] 5 334.5 [@] 1	26 [@] 3 100 [@]	3101.5 3175.87	(21/2 ⁻) 23/2 ⁻	M1(+E2)	+0.00 3	0.01647	$\alpha(\text{K})=0.01436$ 21; $\alpha(\text{L})=0.001724$ 25; $\alpha(\text{M})=0.000327$ 5;

Adopted Levels, Gammas (continued)

 $\gamma(^{105}\text{Ag})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
								$\alpha(\text{N}+.)=5.94\times 10^{-5}$ 9 $\alpha(\text{N})=5.68\times 10^{-5}$ 8; $\alpha(\text{O})=2.68\times 10^{-6}$ 4 $\text{B}(\text{M}1)(\text{W.u.})=1.52$ +39-27 Mult.: $A_2=-0.19$ 3, $A_4=0.10$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $A_2=-0.16$ 5, $A_4=-0.03$ 7 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $\text{P}_{\text{exp}}=-40$ 5 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); $\text{P}_{\text{c.p.}}=-0.40$ 28, $\text{P}_{\text{a.d.}}=-0.39$ 8 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); $\text{R}_{\text{DCO}}=1.01$ 5 in $^{76}\text{Ge}(\text{Cl},\alpha n\gamma)$ (1994Je12) $\text{R}_{\text{DCO}}=0.57$ 6 $^{100}\text{Mo}(\text{B},5n\gamma)$ (2007Ti07). δ : $\alpha(\text{K})_{\text{exp}}=0.012$ 4 in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1979Ka05); Other: $0.02\leq\delta\leq 0.08$ in $^{103}\text{Rh}(\alpha,2n\gamma)$ (1985Ke09); +0.085 10 in $^{92}\text{Zr}(\text{O},p2n\gamma)$ (1979Po13).
3510.38	25/2 ⁻	574.7@ 5	7.4@ 6	2935.67	21/2 ⁻	E2	0.00426 6	$\alpha=0.00426$ 6; $\alpha(\text{K})=0.00369$ 6; $\alpha(\text{L})=0.000466$ 7; $\alpha(\text{M})=8.87\times 10^{-5}$ 13; $\alpha(\text{N}+.)=1.585\times 10^{-5}$ 23 $\alpha(\text{N})=1.520\times 10^{-5}$ 22; $\alpha(\text{O})=6.53\times 10^{-7}$ 10 $\text{B}(\text{E}2)(\text{W.u.})=59$ +17-11 Mult.: $A_{22}=-0.105$ 14; $A_{44}=-0.009$ 19 in $^{92}\text{Zr}(\text{O},p2n\gamma)$ (1979Po13) $\text{R}_{\text{DCO}}=1.1$ 3 in $^{100}\text{Mo}(\text{B},5n\gamma)$ (2007Ti07).
3785.7	(25/2 ⁻)	304.1@ 10 377.3@ 5	26@ 13 100@	3481.4 3408.4	(23/2 ⁻) (23/2 ⁻)	M1+E2	0.0135 14	$\alpha(\text{K})=0.0116$ 11; $\alpha(\text{L})=0.00150$ 23; $\alpha(\text{M})=0.00028$ 5; $\alpha(\text{N}+.)=5.1\times 10^{-5}$ 8 $\alpha(\text{N})=4.9\times 10^{-5}$ 7; $\alpha(\text{O})=2.08\times 10^{-6}$ 11 Mult.: $\text{R}_{\text{DCO}}=0.87$ 17 in 2007Ti07.
3866.9	(25/2 ⁻)	385.5@ 5	100@	3481.4	(23/2 ⁻)	M1+E2	0.0127 12	$\alpha(\text{K})=0.0110$ 10; $\alpha(\text{L})=0.00140$ 20; $\alpha(\text{M})=0.00027$ 4; $\alpha(\text{N}+.)=4.8\times 10^{-5}$ 7 $\alpha(\text{N})=4.6\times 10^{-5}$ 7; $\alpha(\text{O})=1.96\times 10^{-6}$ 9 Mult.: $\text{R}_{\text{DCO}}=0.81$ 17 in $^{100}\text{Mo}(\text{B},5n\gamma)$ (2007Ti07).
3898.8	(23/2 ⁺)	690.1@ 10 547.7@ 10 773.9@ 5	12@ 6 14@ 7 67@ 7	3176.9 3351.2 3124.88	21/2 ⁻ (21/2 ⁺) 21/2 ⁺	M1+E2	0.00207 12	$\alpha=0.00207$ 12; $\alpha(\text{K})=0.00181$ 11; $\alpha(\text{L})=0.000216$ 9; $\alpha(\text{M})=4.09\times 10^{-5}$ 16; $\alpha(\text{N}+.)=7.4\times 10^{-6}$ 4 $\alpha(\text{N})=7.1\times 10^{-6}$ 3; $\alpha(\text{O})=3.28\times 10^{-7}$ 24 Mult.: $\text{R}_{\text{DCO}}=0.56$ 15 in $^{100}\text{Mo}(\text{B},5n\gamma)$ (2007Ti07).
3909.2	(23/2 ⁺)	1059.7@ 5 1137.6@ 10 558.0@ 10 784.3@ 5	100@ 31@ 17 18@ 9 100@	2839.2 2761.4 3351.2 3124.88	(19/2 ⁺) 21/2 ⁺ (21/2 ⁺) 21/2 ⁺	M1+E2	0.00201 12	$\alpha=0.00201$ 12; $\alpha(\text{K})=0.00175$ 11; $\alpha(\text{L})=0.000209$ 9; $\alpha(\text{M})=3.96\times 10^{-5}$ 16; $\alpha(\text{N}+.)=7.2\times 10^{-6}$ 4 $\alpha(\text{N})=6.8\times 10^{-6}$ 3; $\alpha(\text{O})=3.18\times 10^{-7}$ 24 Mult.: $\text{R}_{\text{DCO}}=0.54$ 9 in $^{100}\text{Mo}(\text{B},5n\gamma)$ (2007Ti07).

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)									
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	δ	α^a	Comments
3909.2	(23/2) ⁺	1070.0 [@] 5	64 [@] 7	2839.2	(19/2) ⁺	E2		0.000923 13	$\alpha=0.000923$ 13; $\alpha(\text{K})=0.000806$ 12; $\alpha(\text{L})=9.55\times 10^{-5}$ 14; $\alpha(\text{M})=1.81\times 10^{-5}$ 3; $\alpha(\text{N}+.)=3.27\times 10^{-6}$ 5 $\alpha(\text{N})=3.13\times 10^{-6}$ 5; $\alpha(\text{O})=1.450\times 10^{-7}$ 21 Mult.: $R_{\text{DCO}}=1.8$ 4 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07).
3927.59	27/2 ⁻	417.2 [@] 1	100 [@]	3510.38	25/2 ⁻	M1+E2	+0.19 +5-6	0.00953 14	$\alpha=0.00953$ 14; $\alpha(\text{K})=0.00831$ 12; $\alpha(\text{L})=0.000996$ 15; $\alpha(\text{M})=0.000189$ 3; $\alpha(\text{N}+.)=3.43\times 10^{-5}$ 5 $\alpha(\text{N})=3.28\times 10^{-5}$ 5; $\alpha(\text{O})=1.540\times 10^{-6}$ 22 B(M1)(W.u.)=0.75 +23-14; B(E2)(W.u.)=1.4 $\times 10^2$ +10-7 Mult.: $A_2=0.01$ 14, $A_4=0.05$ 16 in $^{103}\text{Rh}(\alpha,2\text{n}\gamma)$ (1979Ka05); $A_2=-0.05$ 6, $A_4=-0.16$ 11 in $^{103}\text{Rh}(\alpha,2\text{n}\gamma)$ (1985Ke09); $P_{\text{exp}}=-65$ 12 in $^{103}\text{Rh}(\alpha,2\text{n}\gamma)$ (1979Ka05); $P_{\text{c.p.}}=-0.73$ 35, $P_{\text{a.d.}}=-0.65$ 12 in $^{103}\text{Rh}(\alpha,2\text{n}\gamma)$ (1985Ke09); $R_{\text{DCO}}=0.60$ 5 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07). δ : $\alpha(\text{K})_{\text{exp}}=0.011$ 4 in $^{103}\text{Rh}(\alpha,2\text{n}\gamma)$ (1979Ka05); Other: $0.08\leq\delta\leq 0.15$ in $^{103}\text{Rh}(\alpha,2\text{n}\gamma)$ (1985Ke09); +0.06 2 in $^{92}\text{Zr}(^{16}\text{O},\text{p}2\text{n}\gamma)$ (1979Po13).
		752.0 [@] 5	14.4 [@] 14	3175.87	23/2 ⁻	E2		0.00210 3	$\alpha=0.00210$ 3; $\alpha(\text{K})=0.00183$ 3; $\alpha(\text{L})=0.000224$ 4; $\alpha(\text{M})=4.25\times 10^{-5}$ 6; $\alpha(\text{N}+.)=7.64\times 10^{-6}$ 11 $\alpha(\text{N})=7.31\times 10^{-6}$ 11; $\alpha(\text{O})=3.27\times 10^{-7}$ 5 B(E2)(W.u.)=30 8 Mult.: $R_{\text{DCO}}=1.7$ 3 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07).
4158.4	25/2 ⁺	249.0 5	100	3909.2	(23/2) ⁺	M1+E2		0.047 12	$\alpha(\text{K})=0.040$ 10; $\alpha(\text{L})=0.0056$ 19; $\alpha(\text{M})=0.0011$ 4; $\alpha(\text{N}+.)=0.00019$ 6 $\alpha(\text{N})=0.00018$ 6; $\alpha(\text{O})=6.9\times 10^{-6}$ 12 Mult.: $R_{\text{DCO}}=0.49$ 6 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07).
		259.6 5	73 7	3898.8	(23/2) ⁺	M1+E2		0.041 10	$\alpha(\text{K})=0.035$ 8; $\alpha(\text{L})=0.0048$ 16; $\alpha(\text{M})=0.0009$ 3; $\alpha(\text{N}+.)=0.00016$ 5 $\alpha(\text{N})=0.00016$ 5; $\alpha(\text{O})=6.1\times 10^{-6}$ 10 Mult.: $R_{\text{DCO}}=0.47$ 6 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07).
		807.2 10	10 5	3351.2	(21/2) ⁺	[E2]		0.00177 3	$\alpha=0.00177$ 3; $\alpha(\text{K})=0.001539$ 22; $\alpha(\text{L})=0.000187$ 3; $\alpha(\text{M})=3.54\times 10^{-5}$ 5; $\alpha(\text{N}+.)=6.38\times 10^{-6}$ 10 $\alpha(\text{N})=6.11\times 10^{-6}$ 9; $\alpha(\text{O})=2.76\times 10^{-7}$ 4
		982.5 10	15 7	3175.87	23/2 ⁻	E1		0.000473 7	$\alpha=0.000473$ 7; $\alpha(\text{K})=0.000415$ 6; $\alpha(\text{L})=4.76\times 10^{-5}$ 7; $\alpha(\text{M})=8.98\times 10^{-6}$ 13; $\alpha(\text{N}+.)=1.630\times 10^{-6}$ 23 $\alpha(\text{N})=1.556\times 10^{-6}$ 22; $\alpha(\text{O})=7.38\times 10^{-8}$ 11 Mult.: $R_{\text{DCO}}=0.97$ 17 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07).
		1033.5 5	48 5	3124.88	21/2 ⁺	E2		0.000996 14	$\alpha=0.000996$ 14; $\alpha(\text{K})=0.000869$ 13; $\alpha(\text{L})=0.0001033$ 15; $\alpha(\text{M})=1.96\times 10^{-5}$ 3; $\alpha(\text{N}+.)=3.54\times 10^{-6}$ $\alpha(\text{N})=3.38\times 10^{-6}$ 5; $\alpha(\text{O})=1.565\times 10^{-7}$ 22 Mult.: $R_{\text{DCO}}=1.11$ 23 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07).

Adopted Levels, Gammas (continued)

 $\gamma(^{105}\text{Ag})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
4249.6	(27/2 ⁻)	464.0 [@] 5	100 [@]	3785.7	(25/2 ⁻)	M1+E2	0.0076 3	$\alpha=0.0076$ 3; $\alpha(\text{K})=0.00658$ 22; $\alpha(\text{L})=0.00082$ 7; $\alpha(\text{M})=0.000156$ 13; $\alpha(\text{N}+..)=2.80\times 10^{-5}$ 20 $\alpha(\text{N})=2.69\times 10^{-5}$ 20; $\alpha(\text{O})=1.184\times 10^{-6}$ 17 Mult.: $R_{\text{DCO}}=0.9$ 3 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07).
4313.5	(27/2 ⁻)	841.2 [@] 10 446.6 [@] 5	36 [@] 19 100 [@]	3408.4 (23/2 ⁻) 3866.9 (25/2 ⁻)		M1+E2	0.0084 4	$\alpha=0.0084$ 4; $\alpha(\text{K})=0.0073$ 3; $\alpha(\text{L})=0.00092$ 9; $\alpha(\text{M})=0.000174$ 17; $\alpha(\text{N}+..)=3.1\times 10^{-5}$ 3 $\alpha(\text{N})=3.0\times 10^{-5}$ 3; $\alpha(\text{O})=1.311\times 10^{-6}$ 22 Mult.: $R_{\text{DCO}}=1.1$ in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07).
4361.50	29/2 ⁻	832.2 [@] 10 433.9 [@] 1	28 [@] 14 100 [@]	3481.4 (23/2 ⁻) 3927.59 27/2 ⁻		M1+E2	0.0091 6	$\alpha=0.0091$ 6; $\alpha(\text{K})=0.0079$ 4; $\alpha(\text{L})=0.00099$ 10; $\alpha(\text{M})=0.000189$ 20; $\alpha(\text{N}+..)=3.4\times 10^{-5}$ 3 $\alpha(\text{N})=3.2\times 10^{-5}$ 3; $\alpha(\text{O})=1.42\times 10^{-6}$ 3 Mult.: $R_{\text{DCO}}=0.52$ 9 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07).
		851.3 [@] 5	28 [@] 3	3510.38 25/2 ⁻		E2	0.001555 22	$\alpha=0.001555$ 22; $\alpha(\text{K})=0.001355$ 19; $\alpha(\text{L})=0.0001636$ 23; $\alpha(\text{M})=3.10\times 10^{-5}$ 5; $\alpha(\text{N}+..)=5.60\times 10^{-6}$ $\alpha(\text{N})=5.35\times 10^{-6}$ 8; $\alpha(\text{O})=2.43\times 10^{-7}$ 4 B(E2)(W.u.)=29 8 Mult.: $R_{\text{DCO}}=1.02$ 19 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07).
4461.4	27/2 ⁺	303.0 [@] 1	100 [@]	4158.4 25/2 ⁺		M1+E2	0.026 5	$\alpha(\text{K})=0.022$ 4; $\alpha(\text{L})=0.0029$ 8; $\alpha(\text{M})=0.00056$ 14; $\alpha(\text{N}+..)=9.9\times 10^{-5}$ 23 $\alpha(\text{N})=9.5\times 10^{-5}$ 23; $\alpha(\text{O})=3.9\times 10^{-6}$ 5 Mult.: $R_{\text{DCO}}=0.49$ 6 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07); $R_{\text{DCO}}=1.05$ 4 or 0.54 3 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4\text{n}\gamma)$ (1994Je12).
		552.4 [@] 10 951.3 [@] 10	8 [@] 4 3.4 [@] 17	3909.2 (23/2 ⁺) 3510.38 25/2 ⁻				
4718.2	(29/2 ⁻)	404.7 [@] 10 468.6 [@] 5	28 [@] 14 100 [@]	4313.5 (27/2 ⁻) 4249.6 (27/2 ⁻)				
		932.3 [@] 10	31 [@] 17	3785.7 (25/2 ⁻)				
4796.4	(29/2 ⁻)	483.0 [@] 5 929.3 [@] 10	100 [@] 33 [@] 17	4313.5 (27/2 ⁻) 3866.9 (25/2 ⁻)				
4839.6	29/2 ⁺	378.2 [@] 1	100 [@]	4461.4 27/2 ⁺		M1+E2	0.0134 13	$\alpha(\text{K})=0.0116$ 11; $\alpha(\text{L})=0.00148$ 23; $\alpha(\text{M})=0.00028$ 5; $\alpha(\text{N}+..)=5.1\times 10^{-5}$ 7 $\alpha(\text{N})=4.8\times 10^{-5}$ 7; $\alpha(\text{O})=2.06\times 10^{-6}$ 11 Mult.: $R_{\text{DCO}}=0.52$ 6 in $^{100}\text{Mo}(^{10}\text{B},5\text{n}\gamma)$ (2007Ti07); $R_{\text{DCO}}=0.99$ 4 or 0.51 14 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4\text{n}\gamma)$ (1994Je12).
		681.3 [@] 5	15.0 [@] 18	4158.4 25/2 ⁺		E2	0.00270 4	$\alpha=0.00270$ 4; $\alpha(\text{K})=0.00235$ 4; $\alpha(\text{L})=0.000290$ 5; $\alpha(\text{M})=5.52\times 10^{-5}$ 8; $\alpha(\text{N}+..)=9.90\times 10^{-6}$ 14 $\alpha(\text{N})=9.48\times 10^{-6}$ 14; $\alpha(\text{O})=4.18\times 10^{-7}$ 6

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)								
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
4839.6	29/2 ⁺	912.2@ 10	3.6@ 18	3927.59	27/2 ⁻	[E1]	0.000546 8	B(E2)(W.u.)=47 12 Mult.: R _{DCO} =0.93 16 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07); Mult.: R _{DCO} =0.54 17 in ⁷⁶ Ge(³⁷ Cl, α 4n γ) (1994Je12). α =0.000546 8; α (K)=0.000479 7; α (L)=5.50 \times 10 ⁻⁵ 8; α (M)=1.039 \times 10 ⁻⁵ 15; α (N+..)=1.89 \times 10 ⁻⁶ 3 α (N)=1.80 \times 10 ⁻⁶ 3; α (O)=8.52 \times 10 ⁻⁸ 12 B(E1)(W.u.)=3.5 \times 10 ⁻⁵ 19
4931.6	31/2 ⁻	570.1@ 5	100@	4361.50	29/2 ⁻	M1+E2	0.00440 8	α =0.00440 8; α (K)=0.00383 8; α (L)=0.000468 11; α (M)=8.89 \times 10 ⁻⁵ 23; α (N+..)=1.60 \times 10 ⁻⁵ 3 α (N)=1.53 \times 10 ⁻⁵ 3; α (O)=6.9 \times 10 ⁻⁷ 3 Mult.: R _{DCO} =0.60 8 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07). α =0.001062 15; α (K)=0.000927 13; α (L)=0.0001104 16; α (M)=2.09 \times 10 ⁻⁵ 3; α (N+..)=3.78 \times 10 ⁻⁶ 5 α (N)=3.62 \times 10 ⁻⁶ 5; α (O)=1.668 \times 10 ⁻⁷ 24 B(E2)(W.u.)=14 3 Mult.: R _{DCO} =1.7 3 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07). α (K)=0.0109 9; α (L)=0.00139 20; α (M)=0.00027 4; α (N+..)=4.7 \times 10 ⁻⁵ 7 α (N)=4.6 \times 10 ⁻⁵ 7; α (O)=1.95 \times 10 ⁻⁶ 9 Mult.: R _{DCO} =0.50 6 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07); R _{DCO} =1.00 7 or 0.42 16 in ⁷⁶ Ge(³⁷ Cl, α 4n γ) (1994Je12). α =0.00202 3; α (K)=0.001759 25; α (L)=0.000215 3; α (M)=4.08 \times 10 ⁻⁵ 6; α (N+..)=7.34 \times 10 ⁻⁶ 11 α (N)=7.02 \times 10 ⁻⁶ 10; α (O)=3.15 \times 10 ⁻⁷ 5 B(E2)(W.u.)=30 8 Mult.: R _{DCO} =0.54 5 in ⁷⁶ Ge(³⁷ Cl, α 4n γ) (1994Je12).
5225.9	31/2 ⁺	386.3@ 1	100@	4839.6	29/2 ⁺	M1+E2	0.0126 12	
		764.0@ 5	15.6@ 19	4461.4	27/2 ⁺	E2	0.00202 3	
5226.9	(31/2 ⁻)	430.5@ 10	67@ 33	4796.4	(29/2 ⁻)			
		508.5@ 10	100@	4718.2	(29/2 ⁻)			
		977.5@ 10	73@ 40	4249.6	(27/2 ⁻)			
5334.4	(31/2 ⁻)	538.0@ 10	100@	4796.4	(29/2 ⁻)			
		1020.8@ 10	57@ 29	4313.5	(27/2 ⁻)			
5444.9	33/2 ⁻	513.3@ 5	100@	4931.6	31/2 ⁻	M1+E2	0.00579 11	α =0.00579 11; α (K)=0.00503 8; α (L)=0.00062 3; α (M)=0.000118 6; α (N+..)=2.12 \times 10 ⁻⁵ 9 α (N)=2.03 \times 10 ⁻⁵ 9; α (O)=9.08 \times 10 ⁻⁷ 23 Mult.: R _{DCO} =0.52 9 in ¹⁰⁰ Mo(¹⁰ B,5n γ) (2007Ti07). α =0.000898 13; α (K)=0.000784 11; α (L)=9.29 \times 10 ⁻⁵ 13; α (M)=1.759 \times 10 ⁻⁵ 25; α (N+..)=3.18 \times 10 ⁻⁶
		1083.4@ 5	55@ 6	4361.50	29/2 ⁻	E2	0.000898 13	

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)								
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
								$\alpha(\text{N})=3.04\times 10^{-6}$ 5; $\alpha(\text{O})=1.412\times 10^{-7}$ 20 B(E2)(W.u.)=24 6 Mult.: $R_{\text{DCO}}=1.7$ 3 in $^{100}\text{Mo}(^{10}\text{B},5n\gamma)$ (2007Ti07).
5531.1	(31/2 ⁻)	1603.4@ 10	100@	3927.59	27/2 ⁻			
5699.5	33/2 ⁺	473.5@ 5	100@	5225.9	31/2 ⁺	M1+E2	0.00718 25	$\alpha=0.00718$ 25; $\alpha(\text{K})=0.00623$ 18; $\alpha(\text{L})=0.00078$ 6; $\alpha(\text{M})=0.000148$ 11; $\alpha(\text{N}+..)=2.65\times 10^{-5}$ 17 $\alpha(\text{N})=2.54\times 10^{-5}$ 17; $\alpha(\text{O})=1.122\times 10^{-6}$ 17 Mult.: $R_{\text{DCO}}=0.47$ 8 in $^{100}\text{Mo}(^{10}\text{B},5n\gamma)$ (2007Ti07); $R_{\text{DCO}}=1.10$ 8 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
		860.0@ 5	29@ 3	4839.6	29/2 ⁺	E2	0.001518 22	$\alpha=0.001518$ 22; $\alpha(\text{K})=0.001323$ 19; $\alpha(\text{L})=0.0001596$ 23; $\alpha(\text{M})=3.03\times 10^{-5}$ 5; $\alpha(\text{N}+..)=5.46\times 10^{-6}$ $\alpha(\text{N})=5.22\times 10^{-6}$ 8; $\alpha(\text{O})=2.37\times 10^{-7}$ 4 B(E2)(W.u.)=47 11 Mult.: $R_{\text{DCO}}=1.79$ 25 in $^{100}\text{Mo}(^{10}\text{B},5n\gamma)$ (2007Ti07); Mult.: $R_{\text{DCO}}=0.64$ 17 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
5855.2	(33/2 ⁻)	324.2@ 10	7@ 7	5531.1	(31/2 ⁻)			
		1493.8@ 10	100@	4361.50	29/2 ⁻			
6113.0	35/2 ⁻	668.0& 3	100&	5444.9	33/2 ⁻	M1	0.00307 5	$\alpha=0.00307$ 5; $\alpha(\text{K})=0.00268$ 4; $\alpha(\text{L})=0.000315$ 5; $\alpha(\text{M})=5.97\times 10^{-5}$ 9; $\alpha(\text{N}+..)=1.086\times 10^{-5}$ 16 $\alpha(\text{N})=1.037\times 10^{-5}$ 15; $\alpha(\text{O})=4.95\times 10^{-7}$ 7 Mult.: $R_{\text{DCO}}=0.99$ 8 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
		1181.4& 3	63& 11	4931.6	31/2 ⁻	E2	0.000750 11	$\alpha=0.000750$ 11; $\alpha(\text{K})=0.000651$ 10; $\alpha(\text{L})=7.67\times 10^{-5}$ 11; $\alpha(\text{M})=1.452\times 10^{-5}$ 21; $\alpha(\text{N}+..)=7.69\times 10^{-6}$ $\alpha(\text{N})=2.51\times 10^{-6}$ 4; $\alpha(\text{O})=1.174\times 10^{-7}$ 17; $\alpha(\text{IPF})=5.06\times 10^{-6}$ 8 Mult.: $R_{\text{DCO}}=0.35$ 13 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
6161.5	35/2 ⁺	462.0@ 5	100@ 8	5699.5	33/2 ⁺	M1+E2	0.0077 3	$\alpha=0.0077$ 3; $\alpha(\text{K})=0.00665$ 23; $\alpha(\text{L})=0.00083$ 7; $\alpha(\text{M})=0.000158$ 13; $\alpha(\text{N}+..)=2.84\times 10^{-5}$ 20 $\alpha(\text{N})=2.72\times 10^{-5}$ 20; $\alpha(\text{O})=1.197\times 10^{-6}$ 18 Mult.: $R_{\text{DCO}}=0.48$ 5 in $^{100}\text{Mo}(^{10}\text{B},5n\gamma)$ (2007Ti07); $R_{\text{DCO}}=1.06$ 9 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
		935.6@ 5	38@ 4	5225.9	31/2 ⁺	E2	0.001247 18	$\alpha=0.001247$ 18; $\alpha(\text{K})=0.001088$ 16; $\alpha(\text{L})=0.0001303$ 19; $\alpha(\text{M})=2.47\times 10^{-5}$ 4; $\alpha(\text{N}+..)=4.46\times 10^{-6}$ $\alpha(\text{N})=4.26\times 10^{-6}$ 6; $\alpha(\text{O})=1.95\times 10^{-7}$ 3 B(E2)(W.u.)=15 3 Mult.: $R_{\text{DCO}}=0.94$ 17 in $^{100}\text{Mo}(^{10}\text{B},5n\gamma)$ (2007Ti07); $R_{\text{DCO}}=0.56$ 14 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
6220.2	(35/2 ⁻)	365.0@ 10	50@ 25	5855.2	(33/2 ⁻)			
		689.0@ 10	8@ 8	5531.1	(31/2 ⁻)			
		1288.8@ 10	100@	4931.6	31/2 ⁻			

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)								
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
6608.6	(37/2 ⁻)	388.3@ 10 753.6@ 10 1163.5@ 10	100@ 14@ 7 64@ 36	6220.2 (35/2 ⁻) 5855.2 (33/2 ⁻) 5444.9 33/2 ⁻				
6691.1	37/2 ⁺	529.6& 5	100&	6161.5 35/2 ⁺		M1+E2	0.00533 8	$\alpha=0.00533$ 8; $\alpha(\text{K})=0.00463$ 7; $\alpha(\text{L})=0.000570$ 23; $\alpha(\text{M})=0.000108$ 5; $\alpha(\text{N}+..)=1.95\times 10^{-5}$ 7 $\alpha(\text{N})=1.87\times 10^{-5}$ 7; $\alpha(\text{O})=8.37\times 10^{-7}$ 25 Mult.: $R_{\text{DCO}}=0.46$ 9 in $^{100}\text{Mo}(^{10}\text{B},5n\gamma)$ (2007Ti07); Mult.: $R_{\text{DCO}}=1.06$ 9 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
		991.7& 10	24& 13	5699.5 33/2 ⁺		E2	0.001092 16	$\alpha=0.001092$ 16; $\alpha(\text{K})=0.000953$ 14; $\alpha(\text{L})=0.0001136$ 17; $\alpha(\text{M})=2.15\times 10^{-5}$ 3; $\alpha(\text{N}+..)=3.89\times 10^{-6}$ $\alpha(\text{N})=3.72\times 10^{-6}$ 6; $\alpha(\text{O})=1.714\times 10^{-7}$ 25 Mult.: $R_{\text{DCO}}=0.48$ 10 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
6715.0	37/2 ⁻	602.0& 5	100&	6113.0 35/2 ⁻		M1(+E2)	0.00383 10	$\alpha=0.00383$ 10; $\alpha(\text{K})=0.00334$ 10; $\alpha(\text{L})=0.000406$ 7; $\alpha(\text{M})=7.71\times 10^{-5}$ 13; $\alpha(\text{N}+..)=1.390\times 10^{-5}$ 20 $\alpha(\text{N})=1.330\times 10^{-5}$ 19; $\alpha(\text{O})=6.0\times 10^{-7}$ 3 Mult.: $R_{\text{DCO}}=0.80$ 20 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
		1270.0& 5	47& 16	5444.9 33/2 ⁻				
7050.6	(39/2 ⁻)	441.6@ 10 830.4@ 10	100@ 27@ 18	6608.6 (37/2 ⁻) 6220.2 (35/2 ⁻)				
7219.2	(39/2 ⁺)	528.2@ 5	100@	6691.1 37/2 ⁺		M1+E2	0.00537 8	$\alpha=0.00537$ 8; $\alpha(\text{K})=0.00466$ 7; $\alpha(\text{L})=0.000574$ 24; $\alpha(\text{M})=0.000109$ 5; $\alpha(\text{N}+..)=1.96\times 10^{-5}$ 7 $\alpha(\text{N})=1.88\times 10^{-5}$ 7; $\alpha(\text{O})=8.43\times 10^{-7}$ 25 Mult.: $R_{\text{DCO}}=0.46$ 9 in $^{100}\text{Mo}(^{10}\text{B},5n\gamma)$ (2007Ti07).
		1057.5@ 10	29@ 14	6161.5 35/2 ⁺				
7438.0	(39/2 ⁻)	723.0& 5	100&	6715.0 37/2 ⁻				
7566.2	(41/2 ⁻)	515.2@ 10 958.0@ 10	100@ 57@ 29	7050.6 (39/2 ⁻) 6608.6 (37/2 ⁻)				
7805.8	41/2 ⁺	586.2@ 10	100@	7219.2 (39/2 ⁺)		M1+E2	0.00410 9	$\alpha=0.00410$ 9; $\alpha(\text{K})=0.00357$ 9; $\alpha(\text{L})=0.000435$ 9; $\alpha(\text{M})=8.26\times 10^{-5}$ 17; $\alpha(\text{N}+..)=1.490\times 10^{-5}$ 24 $\alpha(\text{N})=1.425\times 10^{-5}$ 24; $\alpha(\text{O})=6.5\times 10^{-7}$ 3 Mult.: $R_{\text{DCO}}=1.3$ 3 or 0.70 8 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
		1114.3@ 10	35@ 18	6691.1 37/2 ⁺				
8420.8	(43/2 ⁺)	615.0& 3 1201.9& 6	100& 32& 15	7805.8 41/2 ⁺ 7219.2 (39/2 ⁺) ⁺				
9101.8	(45/2 ⁺)	681.0& 8	100&	8420.8 (43/2 ⁺)		M1	0.00293 5	$\alpha=0.00293$ 5; $\alpha(\text{K})=0.00256$ 4; $\alpha(\text{L})=0.000301$ 5; $\alpha(\text{M})=5.71\times 10^{-5}$ 9; $\alpha(\text{N}+..)=1.038\times 10^{-5}$ 15 $\alpha(\text{N})=9.91\times 10^{-6}$ 15; $\alpha(\text{O})=4.73\times 10^{-7}$ 7

Adopted Levels, Gammas (continued)

 $\gamma(^{105}\text{Ag})$ (continued)

$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\dagger	E_f	J_f^π	Mult.	α^a	Comments
9101.8 704.6+x	(45/2 ⁺) (31/2)	1296.0& 6 704.6&	32& 18 100&	7805.8 x	41/2 ⁺ (27/2)	(E2)	0.00248 4	$\alpha=0.00248$ 4; $\alpha(\text{K})=0.00215$ 3; $\alpha(\text{L})=0.000265$ 4; $\alpha(\text{M})=5.04\times 10^{-5}$ 7; $\alpha(\text{N}+..)=9.06\times 10^{-6}$ 13 $\alpha(\text{N})=8.67\times 10^{-6}$ 13; $\alpha(\text{O})=3.84\times 10^{-7}$ 6 Mult.: $R_{\text{DCO}}=0.77$ 9, 0.72 25 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
1564.4+x	(35/2)	859.8&	100&	704.6+x	(31/2)	E2	0.001519 22	$\alpha=0.001519$ 22; $\alpha(\text{K})=0.001323$ 19; $\alpha(\text{L})=0.0001597$ 23; $\alpha(\text{M})=3.03\times 10^{-5}$ 5; $\alpha(\text{N}+..)=5.46\times 10^{-6}$ $\alpha(\text{N})=5.23\times 10^{-6}$ 8; $\alpha(\text{O})=2.37\times 10^{-7}$ 4 Mult.: $R_{\text{DCO}}=0.98$ 10 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
2557.2+x	(39/2)	992.8&	100&	1564.4+x	(35/2)	E2	0.001089 16	$\alpha=0.001089$ 16; $\alpha(\text{K})=0.000951$ 14; $\alpha(\text{L})=0.0001133$ 16; $\alpha(\text{M})=2.15\times 10^{-5}$ 3; $\alpha(\text{N}+..)=3.88\times 10^{-6}$ $\alpha(\text{N})=3.71\times 10^{-6}$ 6; $\alpha(\text{O})=1.710\times 10^{-7}$ 24 Mult.: $R_{\text{DCO}}=0.62$ 3, 1.00 8 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
3685.1+x	(43/2)	1127.9&	100&	2557.2+x	(39/2)	E2	0.000824 12	$\alpha=0.000824$ 12; $\alpha(\text{K})=0.000719$ 10; $\alpha(\text{L})=8.49\times 10^{-5}$ 12; $\alpha(\text{M})=1.608\times 10^{-5}$ 23; $\alpha(\text{N}+..)=4.22\times 10^{-6}$ $\alpha(\text{N})=2.78\times 10^{-6}$ 4; $\alpha(\text{O})=1.295\times 10^{-7}$ 19; $\alpha(\text{IPF})=1.307\times 10^{-6}$ 19 Mult.: $R_{\text{DCO}}=0.89$ 11 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
4926.8+x	(47/2)	1241.7&	100&	3685.1+x	(43/2)	E2	0.000684 10	$\alpha=0.000684$ 10; $\alpha(\text{K})=0.000587$ 9; $\alpha(\text{L})=6.89\times 10^{-5}$ 10; $\alpha(\text{M})=1.304\times 10^{-5}$ 19; $\alpha(\text{N}+..)=1.575\times 10^{-5}$ $\alpha(\text{N})=2.26\times 10^{-6}$ 4; $\alpha(\text{O})=1.058\times 10^{-7}$ 15; $\alpha(\text{IPF})=1.339\times 10^{-5}$ 19 Mult.: $R_{\text{DCO}}=0.55$ 3, 1.19 15 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
6230.9+x	(51/2)	1304.1&	100&	4926.8+x	(47/2)	E2	0.000631 9	$\alpha=0.000631$ 9; $\alpha(\text{K})=0.000530$ 8; $\alpha(\text{L})=6.21\times 10^{-5}$ 9; $\alpha(\text{M})=1.174\times 10^{-5}$ 17; $\alpha(\text{N}+..)=2.72\times 10^{-5}$ 4 $\alpha(\text{N})=2.03\times 10^{-6}$ 3; $\alpha(\text{O})=9.56\times 10^{-8}$ 14; $\alpha(\text{IPF})=2.51\times 10^{-5}$ 4 Mult.: $R_{\text{DCO}}=0.60$ 5, 0.9 3 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
7662+x	(55/2)	1431.5&	100&	6230.9+x	(51/2)	E2	0.000561 8	$\alpha=0.000561$ 8; $\alpha(\text{K})=0.000439$ 7; $\alpha(\text{L})=5.11\times 10^{-5}$ 8; $\alpha(\text{M})=9.68\times 10^{-6}$ 14; $\alpha(\text{N}+..)=6.07\times 10^{-5}$ 9 $\alpha(\text{N})=1.677\times 10^{-6}$ 24; $\alpha(\text{O})=7.93\times 10^{-8}$ 11; $\alpha(\text{IPF})=5.89\times 10^{-5}$ 9 Mult.: $R_{\text{DCO}}=0.58$ 4, 0.85 18 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
9210+x	(59/2)	1547.5&	100&	7662+x	(55/2)	E2	0.000530 8	$\alpha=0.000530$ 8; $\alpha(\text{K})=0.000377$ 6; $\alpha(\text{L})=4.37\times 10^{-5}$ 7; $\alpha(\text{M})=8.27\times 10^{-6}$ 12; $\alpha(\text{N}+..)=0.0001012$ 15 $\alpha(\text{N})=1.433\times 10^{-6}$ 20; $\alpha(\text{O})=6.80\times 10^{-8}$ 10; $\alpha(\text{IPF})=9.97\times 10^{-5}$ 14 Mult.: $R_{\text{DCO}}=1.16$ 22 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
10866+x	(63/2)	1656.0&	100&	9210+x	(59/2)	E2	0.000521 8	$\alpha=0.000521$ 8; $\alpha(\text{K})=0.000331$ 5; $\alpha(\text{L})=3.82\times 10^{-5}$ 6; $\alpha(\text{M})=7.23\times 10^{-6}$ 11; $\alpha(\text{N}+..)=0.0001454$ 21 $\alpha(\text{N})=1.253\times 10^{-6}$ 18; $\alpha(\text{O})=5.97\times 10^{-8}$ 9; $\alpha(\text{IPF})=0.0001441$ 21 Mult.: $R_{\text{DCO}}=0.51$ 7, 1.11 23 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).
12619+x	(67/2)	1752.7&	100&	10866+x	(63/2)	E2	0.000525 8	$\alpha=0.000525$ 8; $\alpha(\text{K})=0.000297$ 5; $\alpha(\text{L})=3.42\times 10^{-5}$ 5; $\alpha(\text{M})=6.47\times 10^{-6}$ 9; $\alpha(\text{N}+..)=0.000188$ 3

Adopted Levels, Gammas (continued)

$\gamma(^{105}\text{Ag})$ (continued)

<u>$E_i(\text{level})$</u>	<u>E_γ</u> [†]	<u>Comments</u>
		$\alpha(\text{N})=1.123\times 10^{-6}$ 16; $\alpha(\text{O})=5.35\times 10^{-8}$ 8; $\alpha(\text{IPF})=0.000187$ 3 Mult.: $R_{\text{DCO}}=1.1$ 4 in $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$ (1994Je12).

† From ^{105}Cd ε decay, unless otherwise noted.

‡ From $^{105}\text{Pd}(p,n\gamma)$.

From $^{103}\text{Rh}(\alpha,2n\gamma)$.

@ From $^{100}\text{Mo}(^{10}\text{B},5n\gamma)$.

& From $^{76}\text{Ge}(^{37}\text{Cl},\alpha 4n\gamma)$.

^a Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ -ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

^b Placement of transition in the level scheme is uncertain.

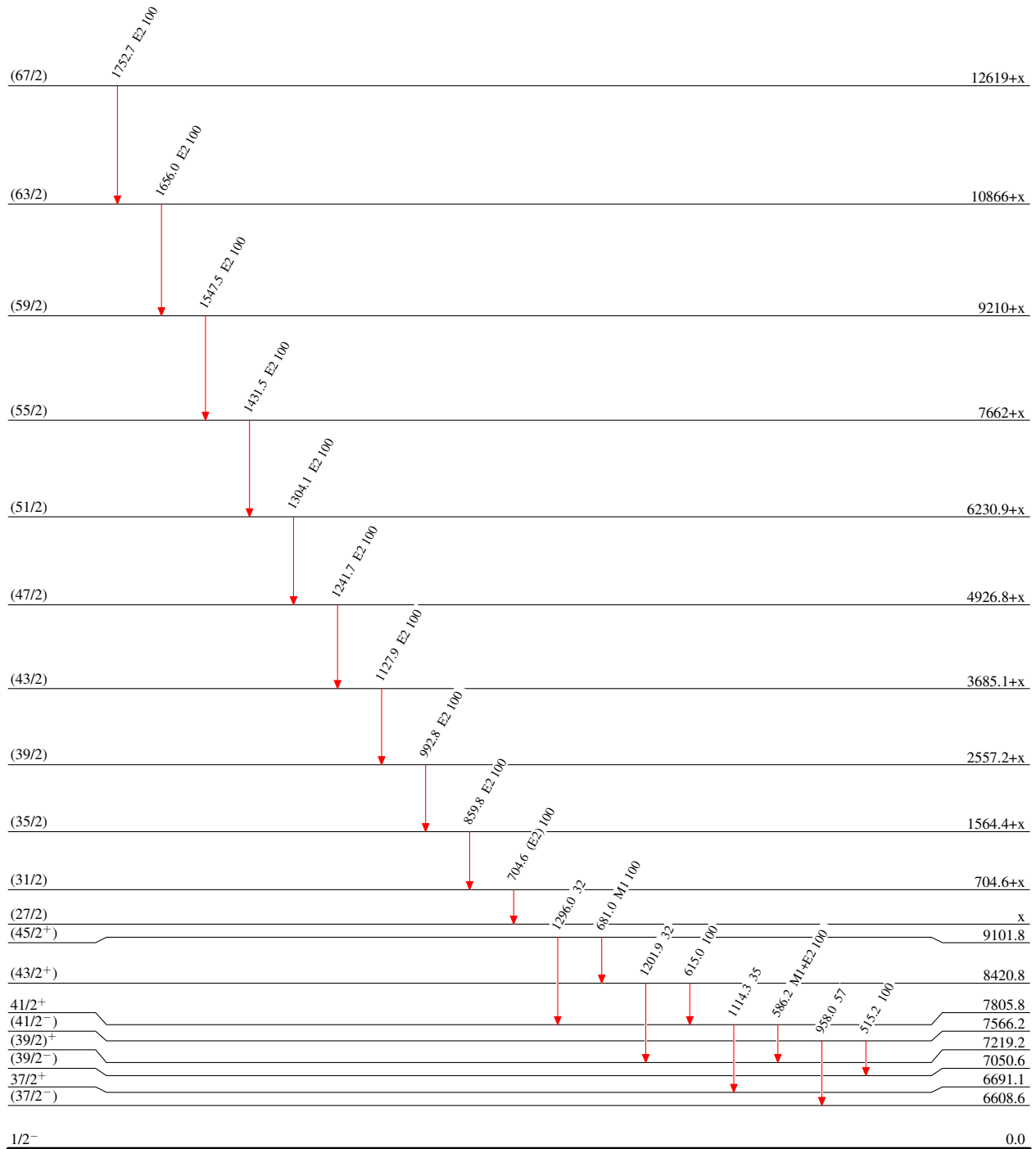
Adopted Levels, Gammas

Level Scheme

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$



$^{105}_{47}\text{Ag}_{58}$

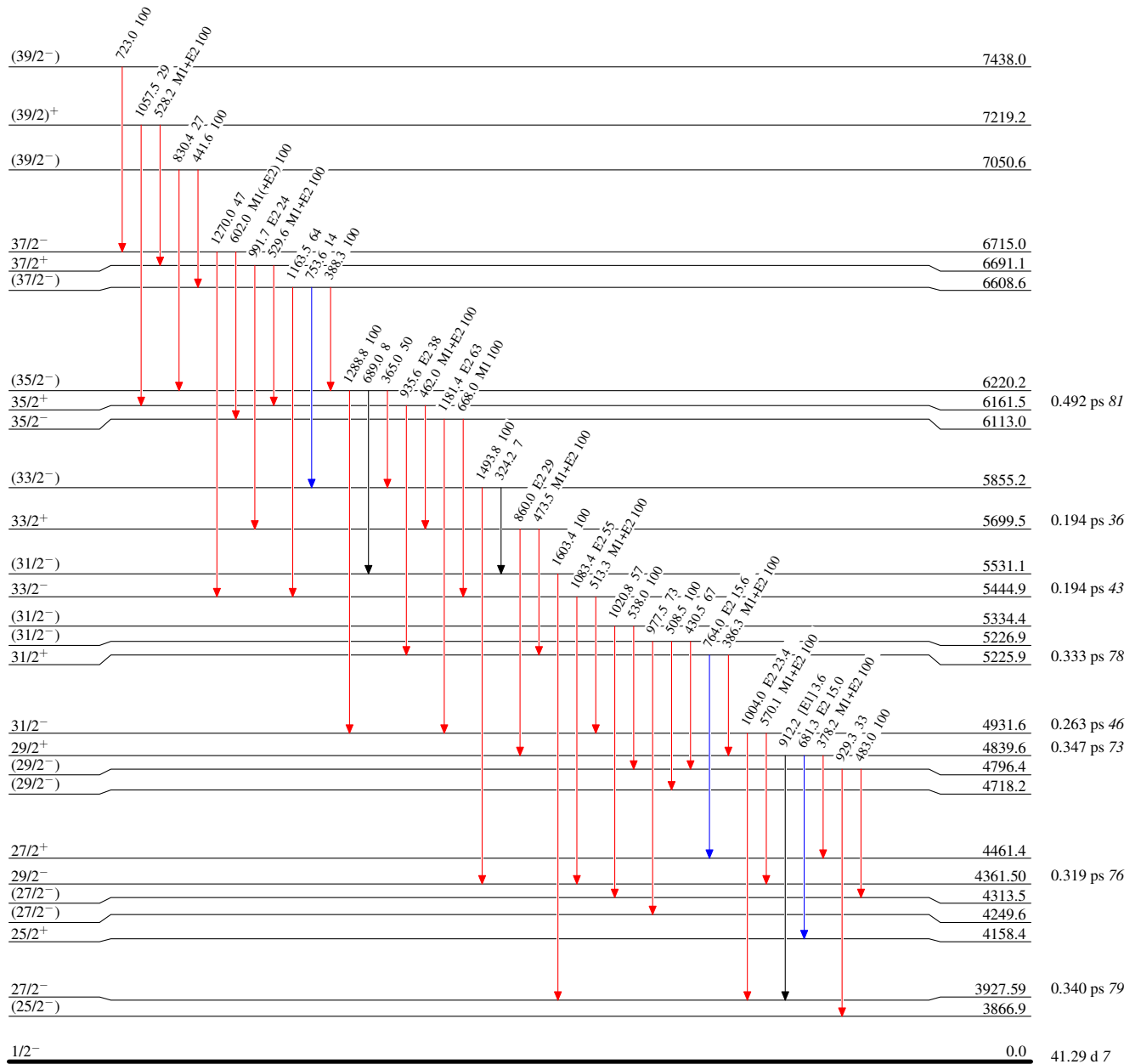
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$



¹⁰⁵Ag₅₈

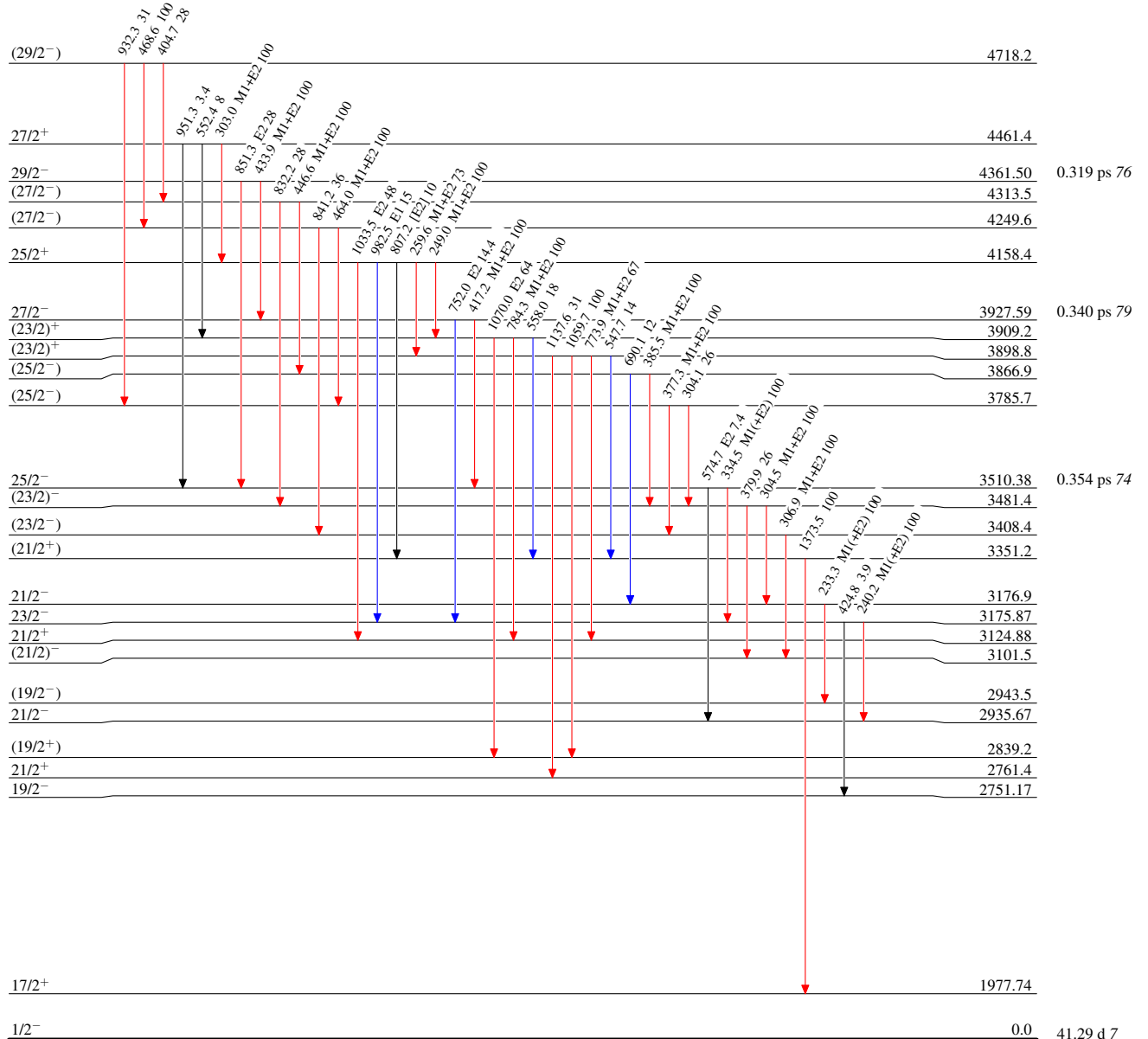
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$



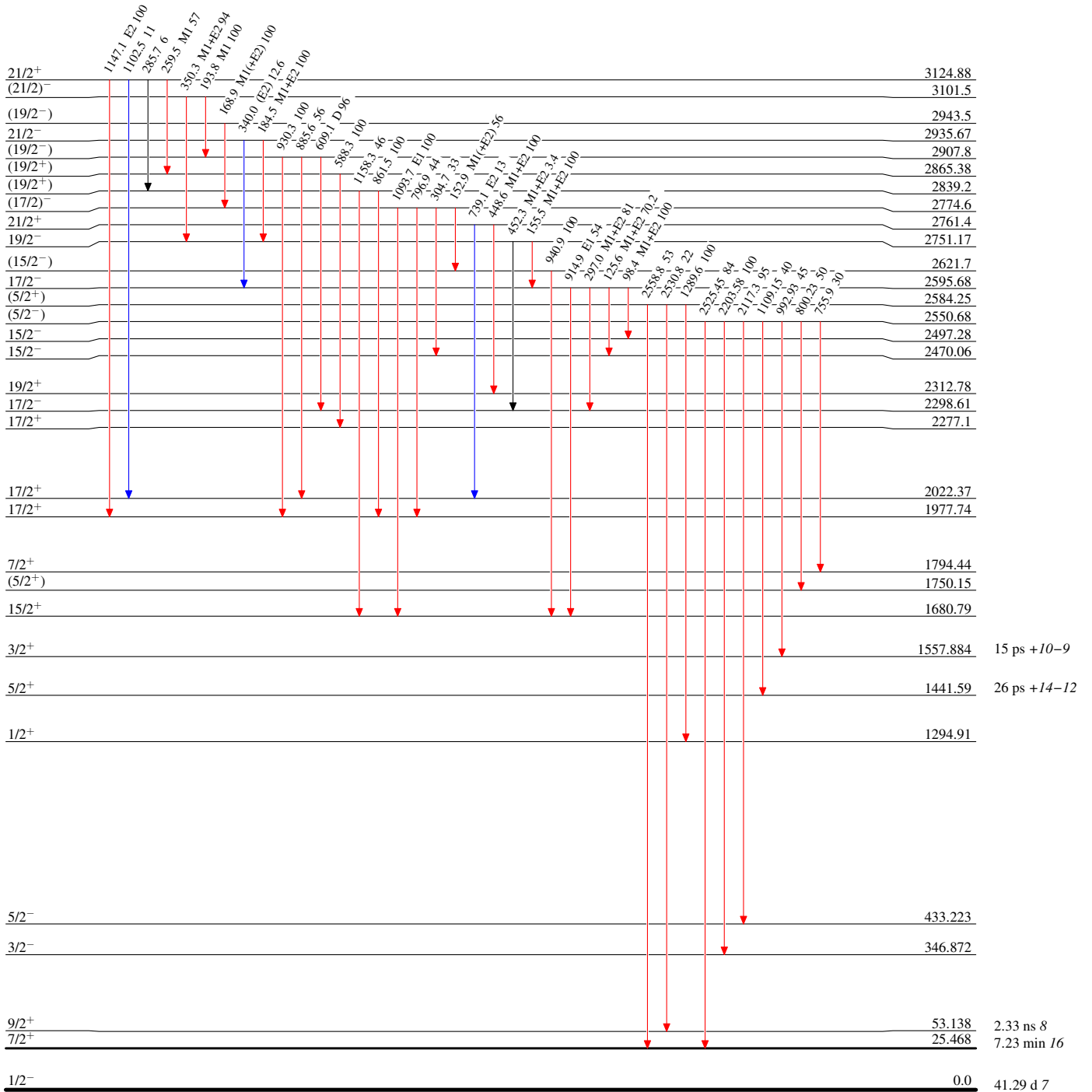
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

- ▶ $I_\gamma < 2\% \times I_\gamma^{max}$
- ▶ $I_\gamma < 10\% \times I_\gamma^{max}$
- ▶ $I_\gamma > 10\% \times I_\gamma^{max}$



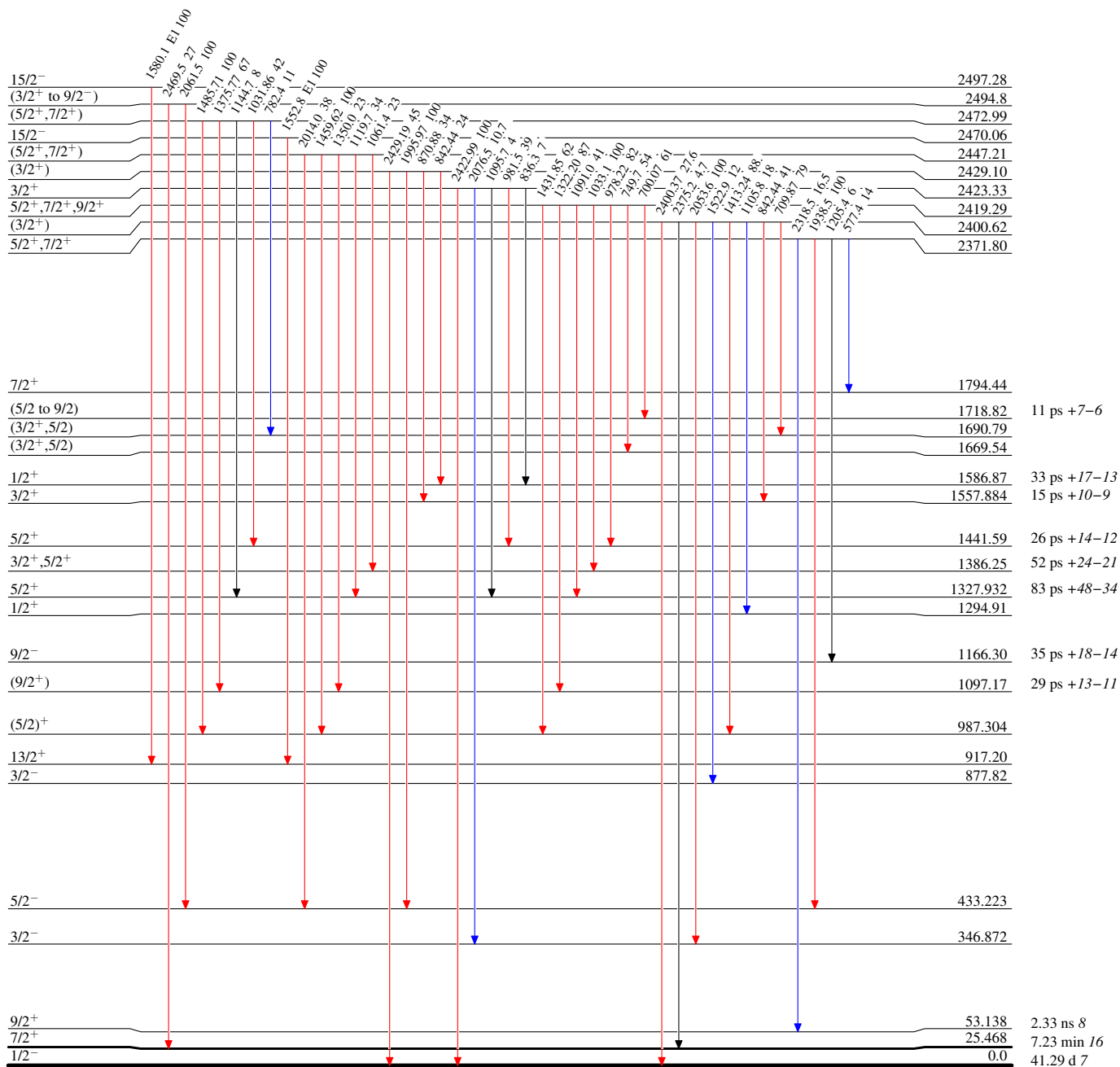
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$



¹⁰⁵Ag₅₈

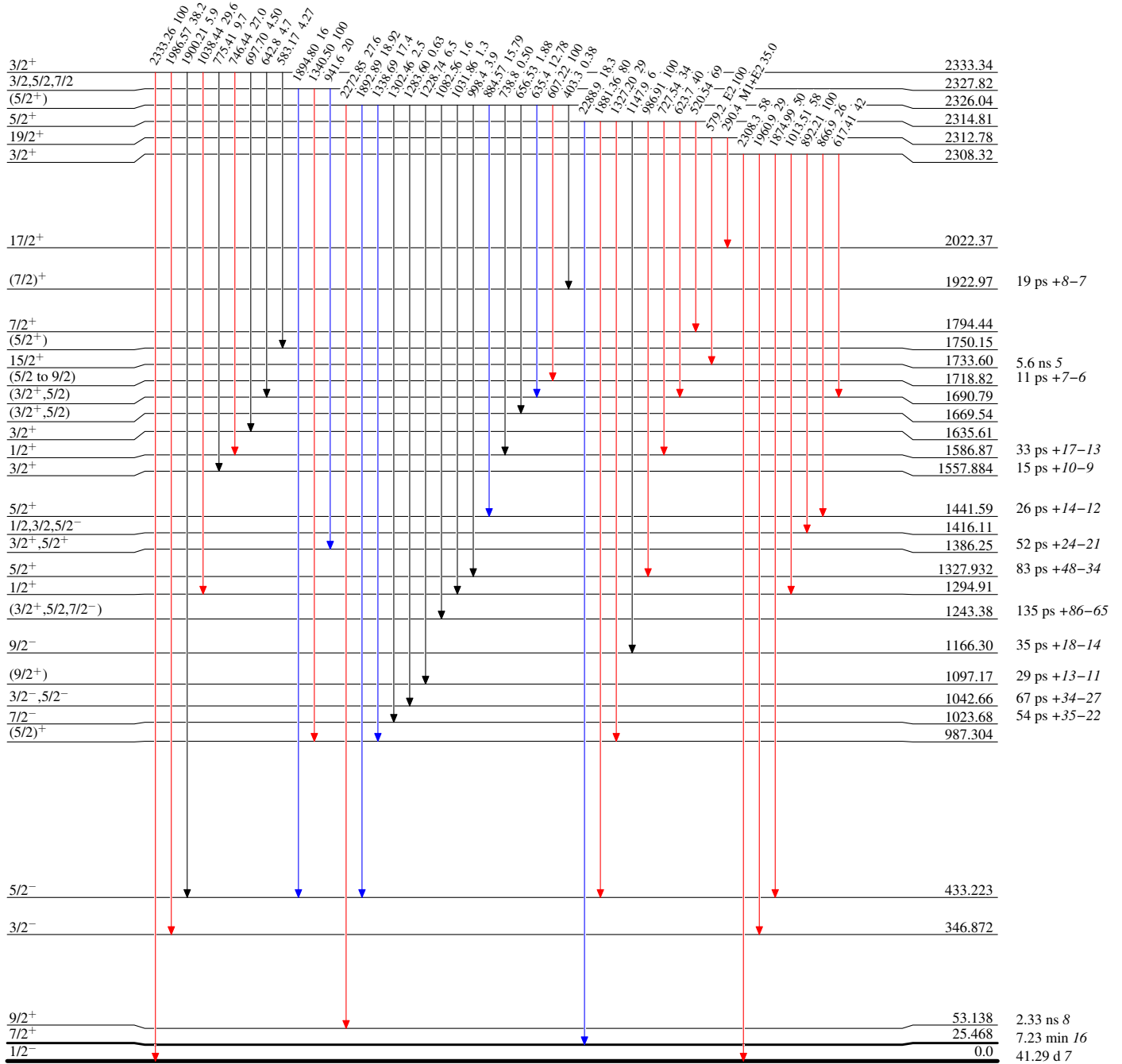
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$



$^{105}_{47}\text{Ag}_{58}$

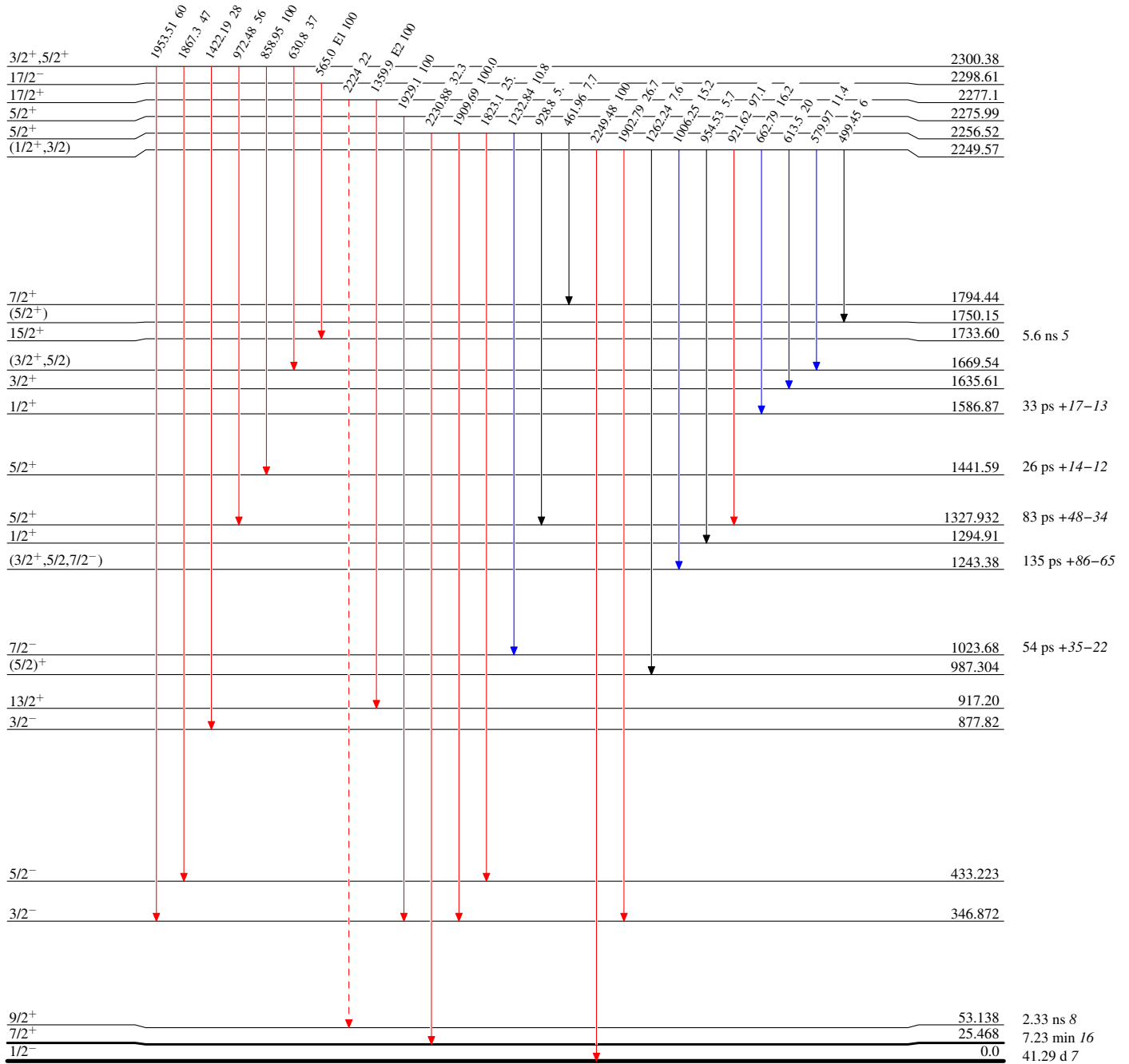
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Type not specified

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$
- - - - - → γ Decay (Uncertain)



$^{105}_{47}\text{Ag}_{58}$

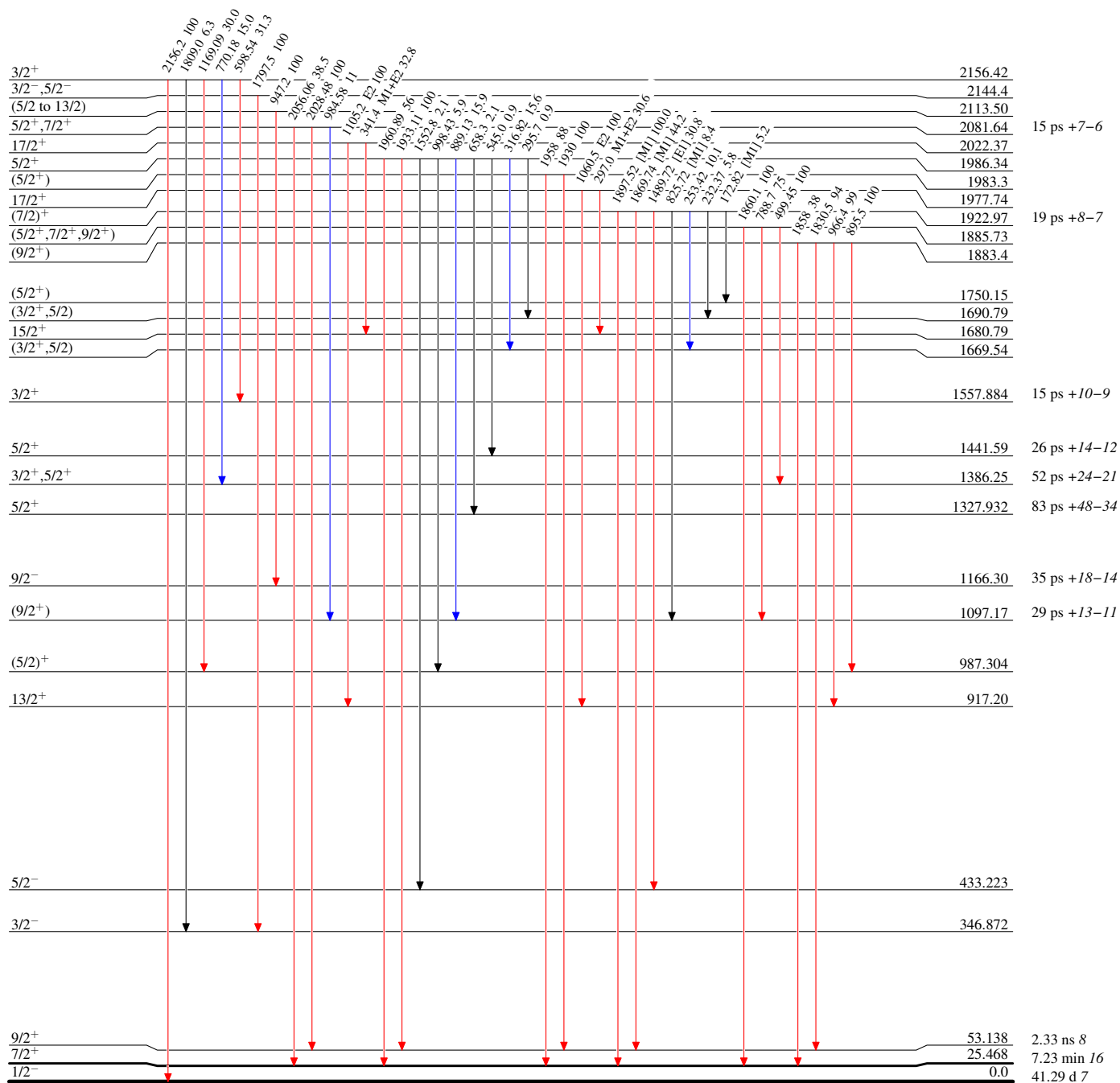
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$



¹⁰⁵₄₇Ag₅₈

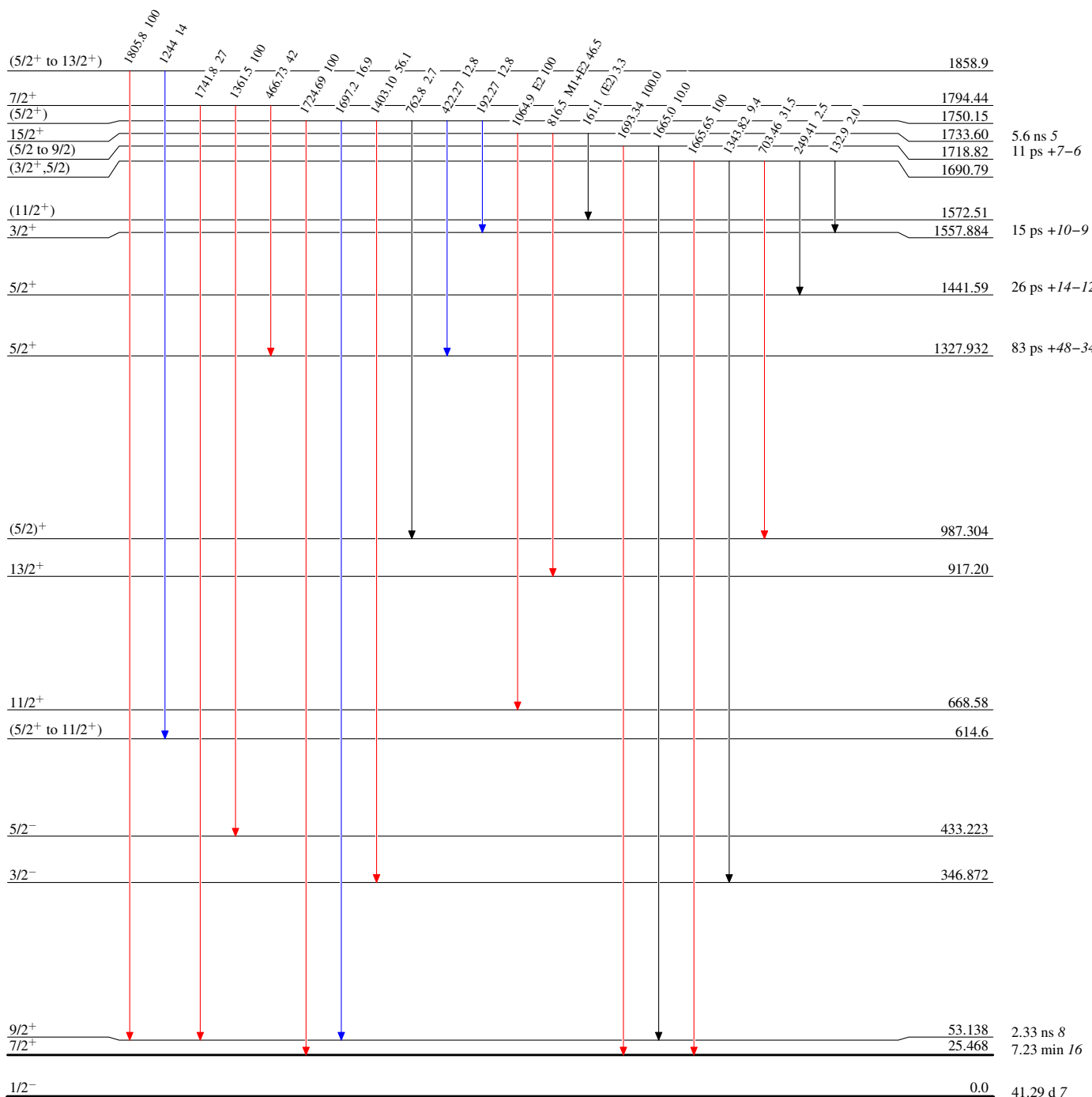
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

- ▶ $I_\gamma < 2\% \times I_\gamma^{\text{max}}$
- ▶ $I_\gamma < 10\% \times I_\gamma^{\text{max}}$
- ▶ $I_\gamma > 10\% \times I_\gamma^{\text{max}}$



$^{105}_{47}\text{Ag}_{58}$

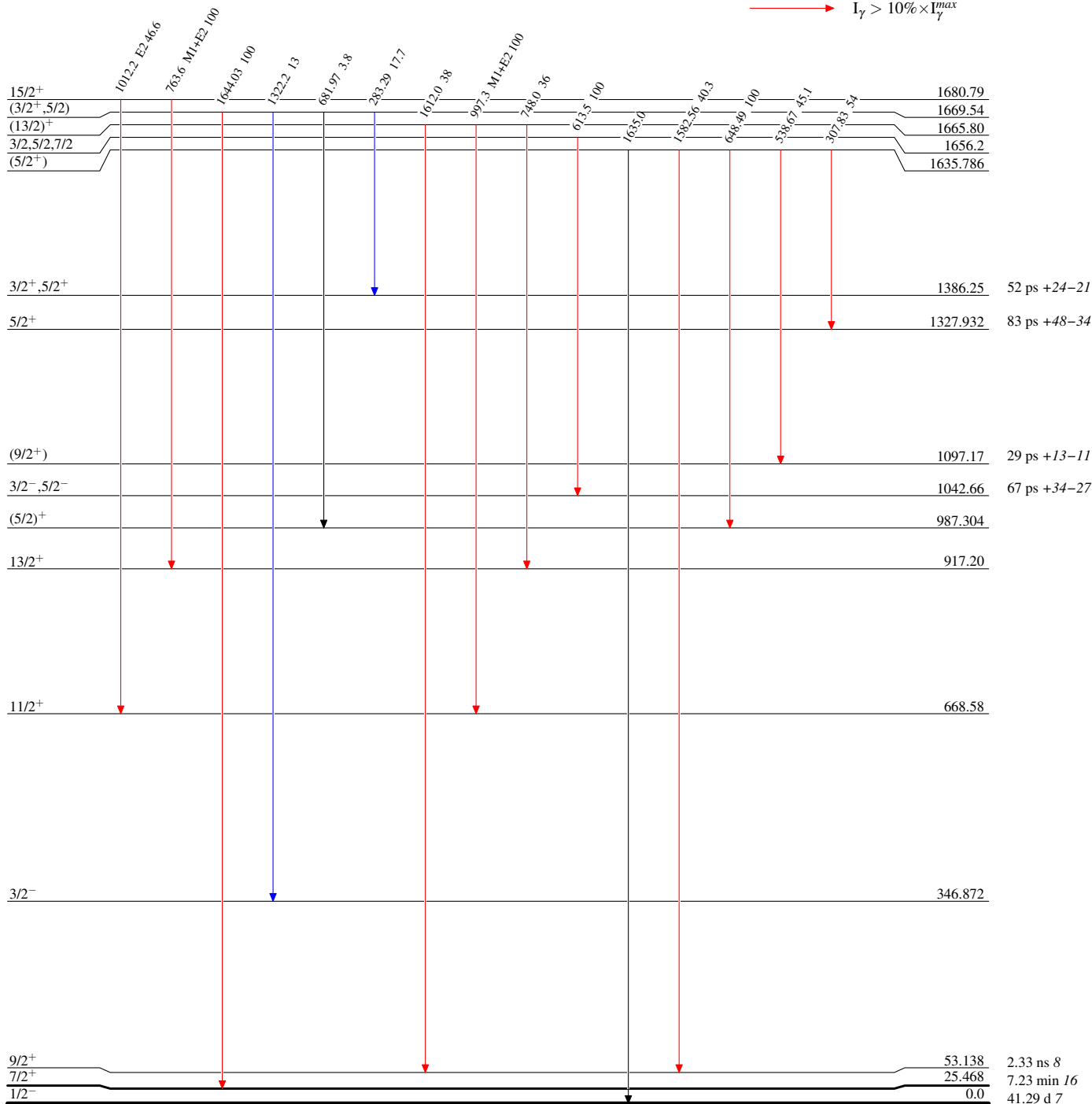
Adopted Levels, Gammas

Level Scheme (continued)

Legend

Intensities: Type not specified

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$



$^{105}_{47}\text{Ag}_{58}$

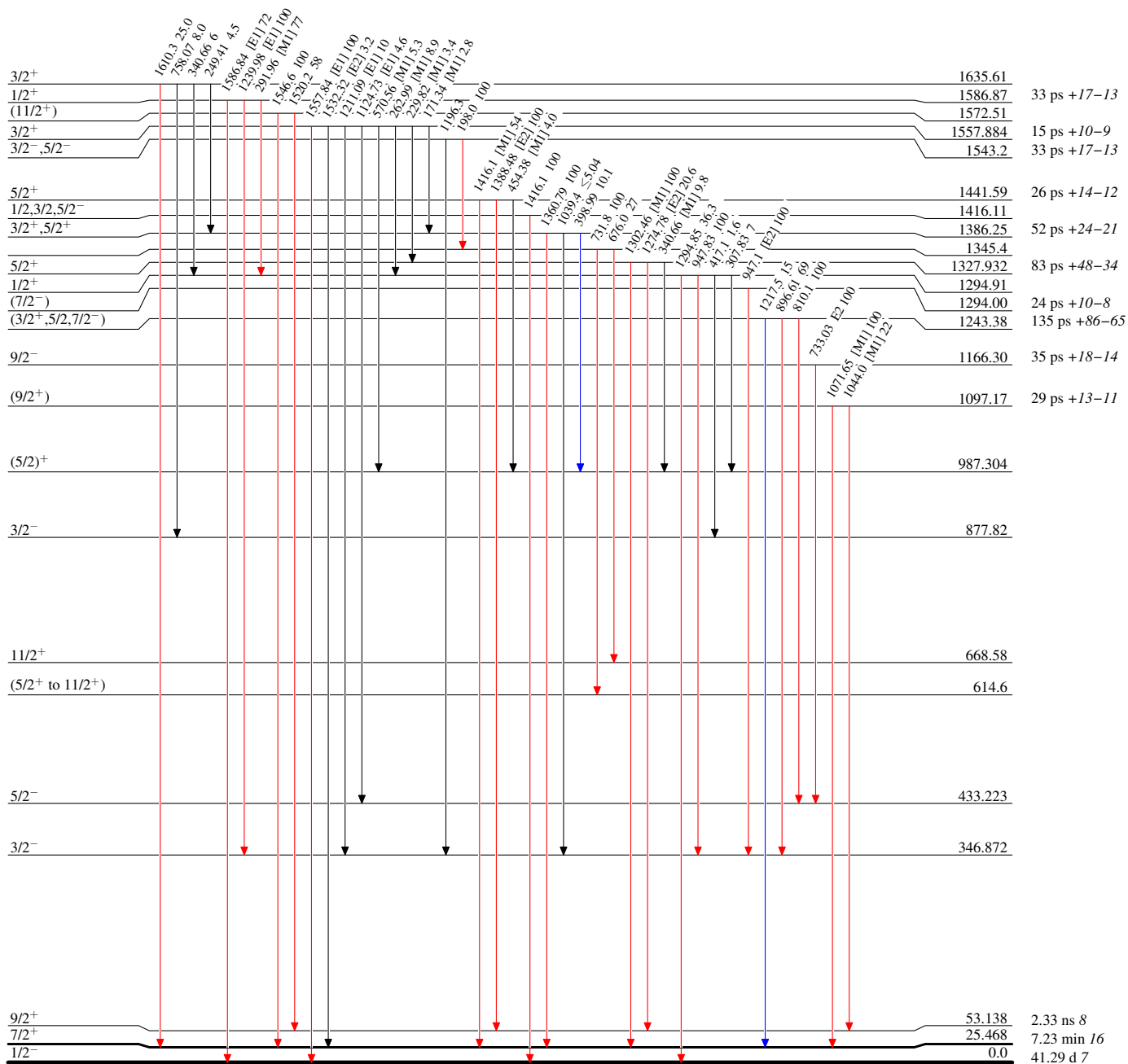
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$



$^{105}_{47}\text{Ag}_{58}$

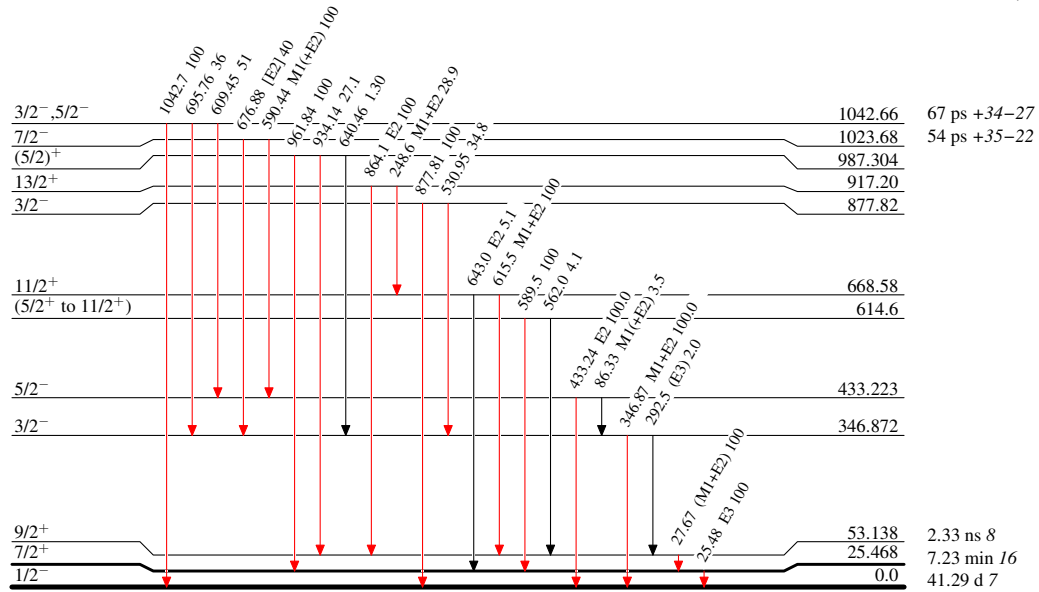
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

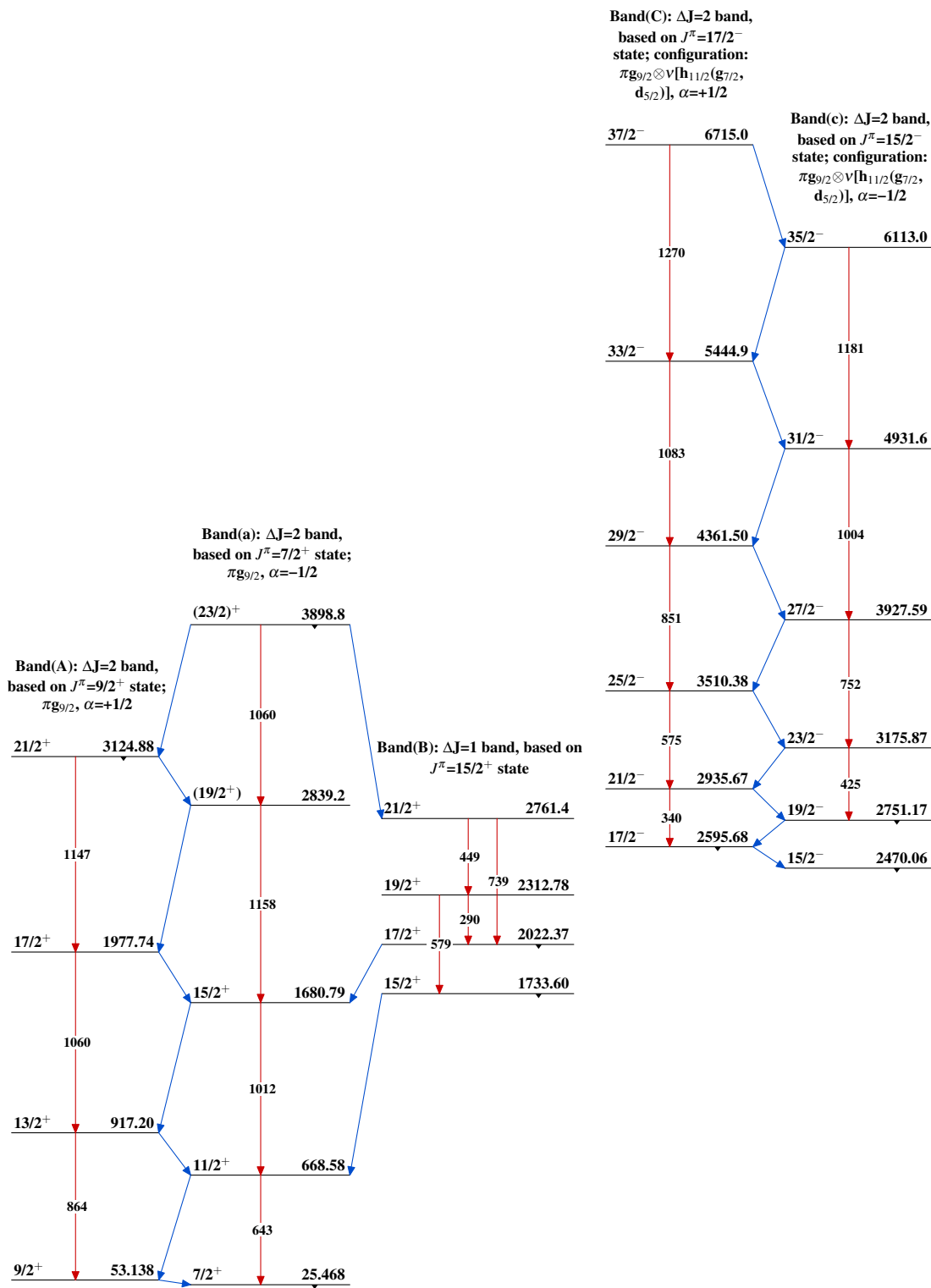
Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$

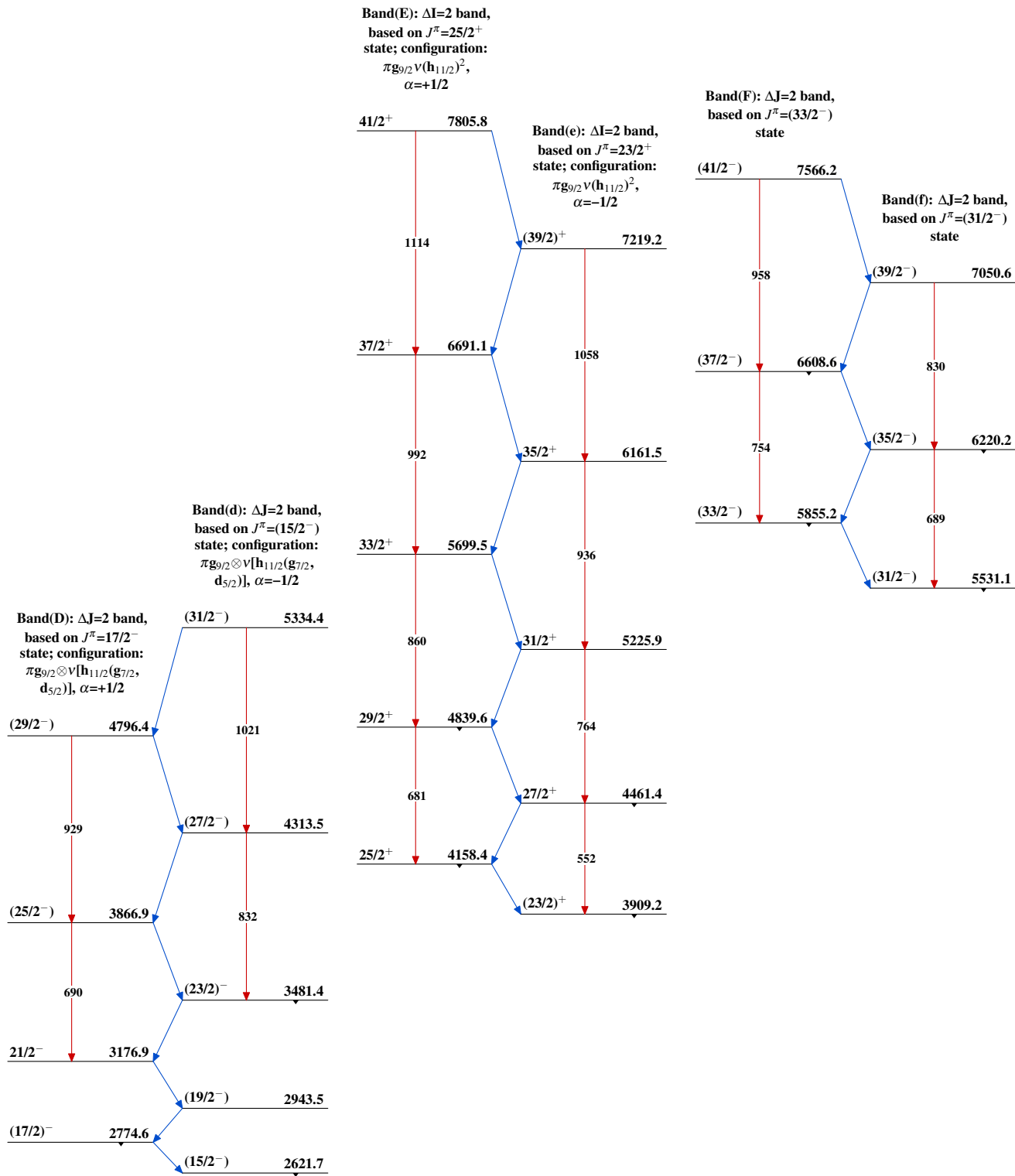


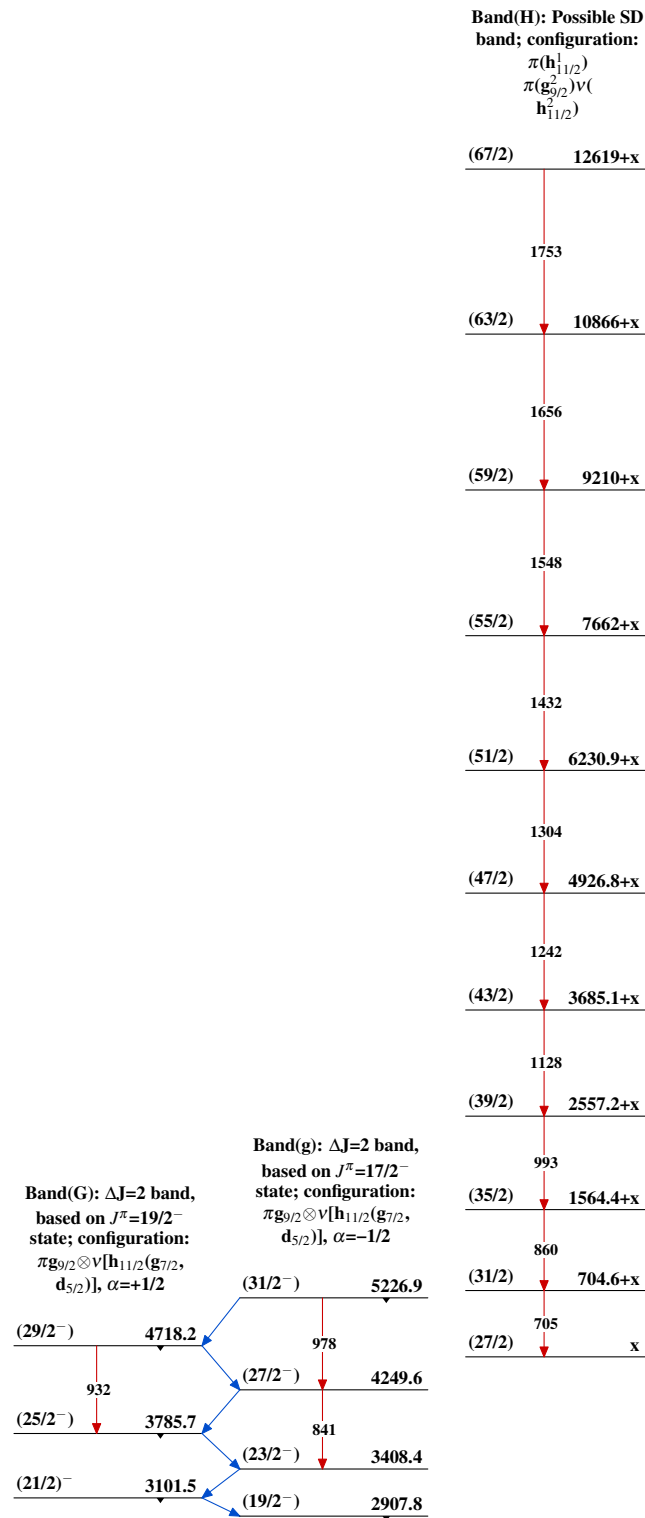
$^{105}_{47}\text{Ag}_{58}$

Adopted Levels, Gammas



Adopted Levels, Gammas (continued)



Adopted Levels, Gammas (continued) $^{105}_{47}\text{Ag}_{58}$