

Adopted Levels, Gammas

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|----------------------------|---------|----------------------|------------------------|
| Full Evaluation | G. Gürdal and F. G. Kondev | | NDS 113, 1315 (2012) | 1-Aug-2011 |

$Q(\beta^-)=-629$ 18; $S(n)=8054$ 13; $S(p)=5255$ 12; $Q(\alpha)=-1953$ 12 [2012Wa38](#)

Note: Current evaluation has used the following Q record.

$Q(\beta^-)=-628$ 18; $S(n)=8055$ 13; $S(p)=5257$ 12; $Q(\alpha)=-1957$ 13 [2011AuZZ](#)

 ^{110}In LevelsCross Reference (XREF) Flags

| | | | |
|---|--|---|------------------------------------|
| A | ^{110}Sn ε decay | D | $^{107}\text{Ag}(\alpha, n\gamma)$ |
| B | $^{96}\text{Zr}(^{19}\text{F}, 5n\gamma)$ | E | $^{110}\text{Cd}(p, n)$ |
| C | $^{100}\text{Mo}(^{14}\text{N}, 4n\gamma)$ | F | $^{110}\text{Cd}(p, n\gamma)$ |

| E(level) [†] | J^π | $T_{1/2}$ [#] | XREF | Comments |
|-----------------------|--------------------|------------------------|-------|--|
| 0.0 | 7 ⁺ | 4.92 h 8 | BCD | $\% \varepsilon + \% \beta^+ = 100$ $\mu = 4.713$ 8 $Q = +1.000$ 22 J^π : J=7 from atomic-beam magnetic-resonance flop-in technique (1958Ma43 , 1959Ma19); direct population of $J^\pi=6^+$ level of ^{110}Cd in ^{110}In ε decay (4.92 h). $T_{1/2}$: Weighted average of 4.9 h 2 (ce(t) in 1953Bl44), 4.9 h 1 ($\gamma(t)$ in 1975Bu24) and 5.0 h 2 (ce(t) in 1951Mc11). Others: 4.9 h (1962Ka08) and 4.9 h (1974Bo61). μ : From collinear fast-beam LASER spectroscopy (1985UI03). Other: 4.719 13 from nuclear magnetic resonance on oriented nuclei (1981Ha26), 4.73 4 (from 1989Ra17), 4.64 35 from nuclear orientation (1977Be19), 5.1 3 from nuclear orientation (1976Ha63). Q : From collinear fast-beam LASER spectroscopy (1985UI03). configuration: $\pi g_{9/2} \otimes \nu d_{5/2}$. $\delta < r^2 > (115, 110) = -0.361$ 5 (1985UI03). |
| 62.08 4 | 2 ⁺ | 69.1 min 5 | A D F | $\% \varepsilon + \% \beta^+ = 100$ $\mu = 4.365$ 4 $Q = +0.35$ 2 Additional information 1. J^π : J=2 from atomic beam (1968CaZX); direct population of $J^\pi=2^+$ level of ^{110}Cd in ^{110}In ε decay (69.1 min); $T_{1/2}$: From $\gamma(t)$ in 1969Sa20 . Others: 66 min 4 (1975Bu24), 69 min (1974Bo61), 69 min 2 (1963Ha45), and 66 min (1962Ka08). μ : From atomic beam (1968CaZX). Q : From atomic beam (1968CaZX). configuration: $\pi g_{9/2} \otimes \nu d_{5/2}$. |
| 202.38 4 | 3 ⁺ | | D F | J^π : 140.304 γ M1(+E2) to 2 ⁺ . |
| 321.20 4 | 4 ⁺ | | D F | J^π : 118.819 γ M1+E2 to 3 ⁺ ; 259.12 γ to 2 ⁺ . |
| 334.09 5 | 2 ⁺ | ≥ 4.9 ps | D F | J^π : 272.018 γ M1+E2 to 2 ⁺ ; 131.63 γ to 3 ⁺ . |
| 342.55 5 | 1 ⁺ | ≥ 4.9 ps | A DEF | J^π : 280.459 γ M1(+E2) to 2 ⁺ ; direct population in ^{110}Sn ε decay ($J^\pi=0^+$). |
| 346.32 4 | 4 ⁺ | | D F | J^π : 143.940 γ M1+E2 to 3 ⁺ , 284.24 γ to 2 ⁺ . |
| 366.52 5 | (5 ⁺) | | D F | J^π : 45.32 γ to 4 ⁺ . |
| 413.482 18 | 7 ⁺ | | BCD | J^π : 413.52 γ M1+E2 to 7 ⁺ ; 394.5 γ E1 from 8 ⁻ . |
| 437.15 4 | (5 ⁺) | | D F | J^π : 90.826 γ and 115.951 γ M1(+E2) to 4 ⁺ ; 234.70 γ to 3 ⁺ . |
| 541.24 5 | 3 ⁺ | 2.4 ps +17-6 | D F | J^π : 207.17 γ M1 to 2 ⁺ ; 479.15 γ M1(+E2) to 2 ⁺ ; 194.92 γ to 4 ⁺ . |
| 568.40 3 | (6 ⁺) | 1.9 ps +9-6 | D | J^π : 568.41 γ M1+E2 to 7 ⁺ ; 131.28 γ to (5 ⁺). |
| 714.47 ^e 4 | 8 ⁺ | 1.4 ps +15-5 | BCD | J^π : 714.37 γ M1+E2 to 7 ⁺ ; band member. |
| 756.45 5 | (4,5) ⁺ | 1.0 ps +4-2 | D F | J^π : 389.93 γ M1+E2 to (5 ⁺); 435.32 γ to M1+E2 4 ⁺ . |

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Adopted Levels, Gammas (continued) ^{110}In Levels (continued)

| E(level) [†] | J ^π | T _{1/2} [#] | XREF | Comments |
|-------------------------|--|-------------------------------|------|--|
| 756.55 5 | 2 ⁻ | | D F | J ^π : 694.44γ E1 to 2 ⁺ ; 413.99γ E1(+M2) to 1 ⁺ ; 215.36γ to 3 ⁺ . |
| 793.04 5 | 4 ⁺ | 1.7 ps +10-5 | D F | J ^π : 590.65γ M1(+E2) to 3 ⁺ ; 471.80γ to 4 ⁺ . |
| 799.851 16 | 7 ⁻ | ≥2.0 ps | BCD | J ^π : 799.83γ E1 to 7 ⁺ ; 231.52γ to (6) ⁺ . |
| 808.072 & 21 | 8 ⁻ | ≥2.4 ps | BCD | J ^π : 8.09γ M1+E2 to 7 ⁻ ; 93.2γ E1 to 8 ⁺ ; 394.5γ E1 to 7 ⁺ ; band member. |
| 856.266 22 | 6,7 ⁻ | | D | J ^π : 56.40γ to 7 ⁻ ; 287.93γ to (6) ⁺ ; 149.80γ from (5 ⁻). |
| 886.41 3 | 5 ⁺ ,6 ⁺ ,7 ⁺ | | D | J ^π : 449.22γ M1,E2 to (5) ⁺ ; 472.950γ M1,E2 to 7 ⁺ . |
| 887.40 6 | 4 ⁺ ,5 ⁺ ,6 ⁺ | | D F | J ^π : 541.03γ M1,E2 to 4 ⁺ ; 319.01γ to (6) ⁺ . |
| 958.46 5 | 3 ⁺ | | D F | J ^π : 612.19γ M1+E2 to 4 ⁺ ; 615.95γ to 1 ⁺ . |
| 970.87 6 | 3 ⁺ ,4,5 ⁺ | | D F | J ^π : 429.59γ to 3 ⁺ ; 533.78γ to (5 ⁺); 649.71γ to 4 ⁺ . |
| 989.84 5 | 2 ⁻ | | D F | J ^π : 233.310γ M1(+E2) to 2 ⁻ ; 448.61γ E1 to 3 ⁺ ; 647.27γ E1(+M2) to 1 ⁺ . |
| 1006.06 3 | (5,6) | ≥1.7 ps | D | J ^π : 149.80γ M1 to 6,7 ⁻ ; 569.06γ to (5) ⁺ . |
| 1017.93 & 4 | 9 ⁻ | ≥1.2 ps | BCD | J ^π : 209.80γ M1+E2 to 8 ⁻ ; band member. |
| 1020.81 4 | 5 ⁺ ,6 ⁺ | | D | J ^π : 674.53γ to 4 ⁺ ; 1020.84γ M1,E2 to 7 ⁺ . |
| 1023.40 5 | 3 ⁻ | | D F | J ^π : 961.32γ E1 to 2 ⁺ ; 677.12γ to 4 ⁺ ; 821.00γ to 3 ⁺ . |
| 1049.88 5 | 1 ⁺ ,2 ⁺ | 1.0 ps +9-4 | D F | J ^π : 707.34γ M1(+E2) to 1 ⁺ ; 715.72γ to 2 ⁺ ; 987.81γ M1(+E2) to 2 ⁺ . |
| 1062.71 6 | 4,5,6 ⁺ | | D F | J ^π : 696.18γ to (5 ⁺); 716.37γ to 4 ⁺ . |
| 1118.45 11 | | | D | |
| 1119.82 6 | (0) ⁻ | | D F | J ^π : 363.24γ E2 to 2 ⁻ ; 777.32γ E1 to 1 ⁺ . |
| 1134.07 5 | 3 ⁻ ,4 ⁻ | | D F | J ^π : 377.51γ M1,E2 to 2 ⁻ ; 813.00γ to 4 ⁺ . |
| 1176.23 6 | 2 ⁺ ,3 | | D F | J ^π : 419.65γ to 2 ⁻ ; 829.86γ to 4 ⁺ ; 842.22γ to 2 ⁺ . |
| 1190.93 5 | 1 ⁻ ,2 ⁻ ,3 ⁻ | | D F | J ^π : 434.35γ M1(+E2) to 2 ⁻ ; 857.11γ to 2 ⁺ . |
| 1204.87 5 | 4 ⁻ ,5 ⁻ ,6 ⁻ | ≥1.1 ps | D | J ^π : 198.81γ M1+E2 to (5 ⁻). |
| 1216.80 7 | 2 ⁺ ,3 ⁺ ,4 ⁺ | | D F | J ^π : 870.39γ M1,E2 to 4 ⁺ ; 882.69γ M1,E2 to 2 ⁺ . |
| 1230.05 4 | 3 ⁻ ,4,5,6 ⁺ | | D | J ^π : 223.98γ to (5 ⁻); 883.76γ to 4 ⁺ . |
| 1239.93 6 | 1 ⁻ ,2 ⁻ ,3 ⁻ | | D F | J ^π : 483.34γ M1,E2 to 2 ⁻ ; 905.93γ E1 to 2 ⁺ . |
| 1254.91 7 | 0 ⁻ ,1 ⁻ ,2 ⁻ | | D F | J ^π : 498.31γ M1,E2 to 2 ⁻ ; 912.41γ E1 to 1 ⁺ . |
| 1259.39 8 | | | D | |
| 1280.23 10 | + | | D | |
| 1303.23 16 | | | D F | |
| 1390.70 10 | | | D | |
| 1396.34 ^e 8 | 9 ⁺ | | B | J ^π : 1396.4γ E2 to 7 ⁺ ; 681.5γ M1+E2 to 8 ⁺ ; band member. |
| 1441.75 6 | | ≥1.8 ps | D | |
| 1482.35 6 | | | D | |
| 1494.00 18 | - | | D | J ^π : 487.94γ (M1,E2) to (5,6) ⁻ . |
| 1507.10 6 | | | D | |
| 1529.70 24 | | | D | |
| 1561.59 & 6 | 10 ⁻ | | BCD | J ^π : 543.90γ M1,E2 to 9 ⁻ ; 753.6γ (E2) to 8 ⁻ ; band member. |
| 1562.99 8 | | 0.97 ps +21-14 | D | |
| 1617.49 ^c 6 | 8 ⁻ | | B D | J ^π : 599.3γ to 9 ⁻ ; 1617.0γ E1 to 7 ⁺ ; band member. |
| 1693.65 9 | | | D | |
| 1886.23 7 | 10 ⁻ | | B | J ^π : 1078.1γ E2 to 8 ⁻ . |
| 2110.15 ^e 13 | 10 ⁺ | | B | J ^π : 713.8γ M1+E2 to 9 ⁺ ; band member. |
| 2129.14 6 | 10 ⁻ | | BC | J ^π : 732.3γ E1 to 9 ⁺ ; 1321.2γ E2 to 8 ⁻ ; band member. |
| 2174.91 & 7 | 11 ⁻ | | BC | J ^π : 613.0γ M1+E2 to 10 ⁻ ; 1157.0γ E2 to 9 ⁻ ; band member. |
| 2201.99 ^c 7 | 10 ⁻ | | B | J ^π : 584.4γ E2 to 8 ⁻ ; 805.3γ E1 to 9 ⁺ ; band member. |
| 2220.65 ^d 8 | 9 ⁻ | | B | J ^π : 603.2γ M1+E2 to 8 ⁻ ; 825.4γ E1 to 9 ⁺ ; 1202.3γ M1+E2 to 9 ⁻ ; band member. |
| 2275.59 ^f 7 | 10 ⁻ | | B | J ^π : 1257.3γ M1+E2 to 9 ⁻ ; 1467.5γ E2 to 8 ⁻ ; band member. |
| 2492.59 9 | (11) ⁻ | | BC | J ^π : 363.3γ M1+E2 to 10 ⁻ ; assignment in $^{96}\text{Zr}(^{19}\text{F},5n\gamma)$. |
| 2596.95 ^a 8 | 12 ⁻ | | BC | J ^π : 421.9γ M1+E2 to 11 ⁻ ; 1035.6γ E2 to 10 ⁻ ; band member. |
| 2607.45 ^f 7 | 11 ⁻ | | B | J ^π : 1046.1γ M1+E2 to 10 ⁻ ; 1589.9γ E2 to 9 ⁻ ; band member. |
| 2687.0 5 | (10 ⁺) | | B | J ^π : 1290.7γ M1+E2 to 9 ⁺ ; assignment in $^{96}\text{Zr}(^{19}\text{F},5n\gamma)$. |

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Adopted Levels, Gammas (continued) ^{110}In Levels (continued)

| E(level) [†] | J ^π | T _{1/2} [#] | XREF | Comments |
|-------------------------|---|-------------------------------|------|---|
| 2764.86 8 | 12 ⁻ | | BC | J ^π : 590.1γ M1+E2 to 11 ⁻ ; 1203.2γ E2 to 10 ⁻ ; band member. |
| 2798.43 ^d 8 | 11 ⁻ | | B | J ^π : 578.0γ E2 to 9 ⁻ ; 596.2γ M1+E2 to 10 ⁻ ; band member. |
| 2837.98 ^a 10 | 13 ⁻ | | BC | J ^π : 241.1γ M1+E2 12 ⁻ ; band member. |
| 2854.35 ^e 24 | (11 ⁺) | | B | J ^π : 744.2γ M1+E2 to (10 ⁺); band member. |
| 2901.99 13 | | | B | |
| 2908.48 ^f 9 | (12 ⁻) | | B | J ^π : 733.4γ M1+E2 to 11 ⁻ ; 1346.5γ E2 to 10 ⁻ ; band member. |
| 3080.00 ^c 12 | 12 ⁻ | | B | J ^π : 878.0γ E2 to 10 ⁻ ; band member. |
| 3192.14 ^a 12 | 14 ⁻ | 0.868 ps +24-25 | BC | J ^π : 354.6γ M1+E2 to 13 ⁻ ; band member. |
| 3196.98 ^f 14 | (13 ⁻) | | B | J ^π : 288.5γ M1+E2 to (12 ⁻); band member. |
| 3245.11 8 | (10,11) ⁻ | | B | J ^π : 1070.1γ M1+E2 to 11 ⁻ ; 1115.9γ M1+E2 to (10 ⁻). |
| 3326.98 ^b 10 | 11 ⁺ | | B | J ^π : 1765.5γ E1 to 10 ⁻ ; band member. |
| 3344.78 14 | (14 ⁻) | | B | J ^π : 506.8γ M1+E2 to 13 ⁻ . |
| 3371.31 21 | 13 ⁻ | | B | J ^π : 1196.4γ E2 to 11 ⁻ . |
| 3373.9 10 | | | C | |
| 3438.41 13 | | | B | |
| 3512.46 ^b 9 | 12 ⁺ | | BC | J ^π : 185.6γ M1+E2 to 11 ⁺ ; 1337.7γ E1 to 11 ⁻ ; band member. |
| 3629.03 ^d 13 | 13 ⁻ | | B | J ^π : 830.6γ E2 to 11 ⁻ ; band member. |
| 3697.69 ^h 10 | 12 ⁻ | | B | J ^π : 1522.6γ M1+E2 to 11 ⁻ ; 217.2γ E1 from 13 ⁺ . |
| 3713.24 ^a 16 | 15 ⁻ | 0.50 ps +4-3 | B | J ^π : 521.1γ M1+E2 to 14 ⁻ ; band member. |
| 3719.82 ^b 9 | 13 ⁺ | | BC | J ^π : 207.5γ M1+E2 to 12 ⁺ ; 955.3γ E1 to 12 ⁻ ; band member. |
| 3732.99 ^f 17 | (14 ⁻) | | B | J ^π : 536.0γ M1+E2 to (13 ⁻); band member. |
| 3821.18 17 | (15 ⁻) | | B | J ^π : 476.4γ M1+E2 to (14 ⁻). |
| 3833.00 16 | (14 ⁻) | | B | J ^π : 753.0γ E2 to (12 ⁻). |
| 3914.94 ^g 10 | 13 ⁺ | | BC | J ^π : 1318.0 γ E1 to 12 ⁻ ; band member. |
| 3943.39 ^b 11 | 14 ⁺ | | BC | J ^π : 223.8γ M1+E2 to 13 ⁺ ; 1105.0γ E1 to 13 ⁻ ; band member. |
| 3995.62 ^h 10 | 13 ⁻ | | B | J ^π : 1230.5γ M1+E2 to 12 ⁻ ; band member. |
| 4081.70 ^g 11 | 14 ⁺ | | BC | J ^π : 166.9γ M1+E2 to 13 ⁺ ; 1243.8γ E1 to 13 ⁻ ; band member. |
| 4156.50 ^c 16 | 14 ⁻ | | B | J ^π : 1076.5γ E2 to 12 ⁻ ; band member. |
| 4228.98 ^b 12 | 15 ⁺ | 0.435 ps +17-16 | BC | J ^π : 285.4γ M1+E2 to 14 ⁺ ; band member. |
| 4263.99 ^h 12 | 14 ⁻ | | B | J ^π : 1425.6γ M1+E2 to 13 ⁻ ; band member. |
| 4323.05 24 | 13 ⁻ ,14 ⁻ ,15 ⁻ | | B | J ^π : 1130.9γ M1+E2 to 14 ⁻ . |
| 4370.60 ^g 13 | 15 ⁺ | | BC | J ^π : 1178.3γ E1 to 14 ⁻ ; 289.0γ M1+E2 to 14 ⁽⁺⁾ ; band member. |
| 4528.31 ^a 18 | 16 ⁻ | | BC | XREF: C(4532.6). J ^π : 815.0γ M1+E2 to 15 ⁻ ; band member. |
| 4561.77 ^h 13 | 15 ⁽⁻⁾ | | B | J ^π : 297.3γ M1+E2 to 14 ⁽⁻⁾ ; band member. |
| 4598.02 ^b 14 | 16 ⁺ | 0.297 ps +6-11 | BC | J ^π : 369.0γ M1+E2 to 15 ⁺ ; band member. |
| 4602.10 19 | (16 ⁻) | | B | J ^π : 769.1γ E2 to (14 ⁻). |
| 4606.03 ^d 16 | 15 ⁻ | | B | J ^π : 977.0γ E2 to 13 ⁻ ; band member. |
| 4802.89 20 | (17 ⁻) | | B | J ^π : 981.7γ E2 to (15 ⁻). |
| 4802.95 ^g 15 | 16 ⁺ | | BC | J ^π : 432.4γ M1+E2 to 15 ⁺ ; band member. |
| 4942.2 4 | 16 ⁻ | | B | J ^π : 1750.0γ E2 to 14 ⁻ . |
| 4995.57 ^h 17 | 16 ⁽⁻⁾ | | B | J ^π : 433.8γ M1+E2 to 15 ⁽⁻⁾ ; band member. |
| 5045.60 15 | 13 ⁺ ,14 ⁺ ,15 ⁺ | | B | J ^π : 1102.2γ M1+E2 to 14 ⁺ . |
| 5084.90 ^b 14 | 17 ⁺ | 0.159 ps +24-18 | BC | J ^π : 486.9γ M1+E2 to 16 ⁺ ; 855.9γ E2 to 15 ⁺ ; band member. |
| 5180.81 ^c 19 | 16 ⁻ | | B | J ^π : 1024.3γ E2 to 14 ⁻ ; band member. |
| 5265.18 ^a 19 | 17 ⁻ | | B | J ^π : 736.8γ M1+E2 to 16 ⁻ ; 1552.0γ E2 to 15 ⁻ . |
| 5283.39 ^g 14 | 17 ⁽⁺⁾ | | BC | J ^π : 480.5γ M1+E2 to 16 ⁺ ; band member. |
| 5403.27 21 | 17 ⁻ | | B | J ^π : 1690.2γ E2 to 15 ⁻ . |
| 5545.88 19 | (17 ⁻) | | B | J ^π : 550.3γ M1+E2 to 16 ⁽⁻⁾ . |
| 5556.44 ^d 19 | 17 ⁽⁻⁾ | 0.54 ps +7-6 | B | J ^π : 950.4γ E2 to 15 ⁽⁻⁾ ; band member. |

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Adopted Levels, Gammas (continued) ^{110}In Levels (continued)

| E(level) [†] | J ^π | T _{1/2} [#] | XREF | Comments |
|-------------------------|--|-------------------------------|------|--|
| 5561.68 ^h 19 | (17 ⁻) | | B | J ^π : 566.1γ M1+E2 to 16 ⁽⁻⁾ ; band member. |
| 5650.39 ^b 14 | 18 ⁺ | 0.136 ps +15-13 | BC | J ^π : 565.6γ M1+E2 to (17 ⁺); 1052.3γ E2 to 16 ⁺ ; band member. |
| 5687.23 20 | 16 ⁻ ,17 ⁻ ,18 ⁻ | | B | J ^π : 422.0γ M1+E2 to 17 ⁻ . |
| 5825.10 17 | (16 ⁺ ,17 ⁺ ,18 ⁺) | | B | J ^π : 740.2γ M1+E2 to (17 ⁺). |
| 5833.45 ^g 15 | (18 ⁺) | | B | J ^π : 550.2γ M1+E2 to 17 ⁽⁺⁾ ; band member. |
| 5839.27 17 | (18 ⁺) | | B | J ^π : 555.9γ M1+E2 to 17 ⁽⁺⁾ ; 754.3γ M1+E2 to (17 ⁺). |
| 6062.11 ^c 21 | 18 ⁻ | | B | J ^π : 881.3γ E2 to 16 ⁻ ; band member. |
| 6095.43 23 | (19 ⁻) | | B | J ^π : 408.2γ M1+E2 to 16 ⁻ ,17 ⁻ ,18 ⁻ ; assignment in $^{96}\text{Zr}(^{19}\text{F},5\text{n}\gamma)$. |
| 6223.33 ^b 17 | 19 ⁺ | 0.073 ps +6-9 | B | J ^π : 572.9γ M1+E2 to 18 ⁺ ; 1138.6γ E2 to 17 ⁺ ; band member. |
| 6296.99 18 | (19 ⁺) | | B | J ^π : 646.6γ M1+E2 to 18 ⁺ . |
| 6445.54 ^d 22 | 19 ⁽⁻⁾ | 0.38 ps +4-3 | B | J ^π : 889.1γ E2 to 17 ⁽⁻⁾ ; band member. |
| 6707.23 ^b 19 | (20 ⁺) | | B | J ^π : 483.9γ M1+E2 to (19 ⁺); band member. |
| 6992.09 20 | (20 ⁺) | | B | J ^π : 695.1γ M1+E2 to (19 ⁺); band member. |
| 6999.21 ^c 24 | 20 ⁻ | | B | J ^π : 937.1γ E2 to 18 ⁻ ; band member. |
| 7240.6 4 | (19 ⁺) | | B | J ^π : 1590.2γ M1+E2 to 18 ⁺ . |
| 7272.63 ^b 22 | (21 ⁺) | | B | J ^π : 565.4γ M1+E2 to (20 ⁺); band member. |
| 7391.75 ^d 24 | 21 ⁽⁻⁾ | 0.279 ps +16-12 | B | J ^π : 946.2γ E2 to 19 ⁽⁻⁾ ; band member. |
| 7980.84 ^b 24 | (22 ⁺) | | B | J ^π : 708.2γ M1+E2 to (21 ⁺); band member. |
| 8087.8 ^c 3 | (22 ⁻) | | B | J ^π : 1088.6γ E2 to (20 ⁻); band member. |
| 8463.8 ^d 3 | (23 ⁻) | 0.142 ps +13-10 | B | J ^π : 1072.0γ E2 to 21 ⁽⁻⁾ ; band member. |
| 8747.7 ^b 3 | (23 ⁺) | | B | J ^π : 766.9γ M1+E2 to (22 ⁺); band member. |
| 8768 [‡] 59 | 0 ⁺ @ | | E | IAS of ^{110}Cd g.s. |
| 9398.2 ^c 4 | (24 ⁻) | | B | J ^π : 1310.4γ E2 to (22 ⁻); band member. |
| 9438 [‡] 59 | 2 ⁺ @ | | E | IAS of $^{110}\text{Cd}(657.8)$ level. |
| 9698.7 ^d 3 | (25 ⁻) | | B | J ^π : 1234.9γ E2 to (23 ⁻); band member. |
| 10268 [‡] 59 | (0 ⁺ ,2 ⁺ ,4 ⁺)@ | | E | Unresolved triplet IAS of $^{110}\text{Cd}(1473.1, 1475.8, 1542.4)$ levels. |
| 10568 [‡] 59 | | | E | |
| 10858 [‡] 59 | 3 ⁻ @ | | E | IAS of $^{110}\text{Cd}(2078.5)$ level. |
| 11068 [‡] 59 | 4 ⁺ @ | | E | IAS of $^{110}\text{Cd}(2220.1)$ level. |
| 11117.8 ^d 3 | (27 ⁻) | | B | J ^π : 1419.1γ E2 to (25 ⁻); band member. |
| 11268 [‡] 59 | | | E | |
| 11468 [‡] 59 | | | E | |
| 11768 [‡] 59 | | | E | |
| 12744.6 ^d 7 | (29 ⁻) | | B | J ^π : 1626.8γ E2 to (27 ⁻); band member. |

[†] From a least-squares fit to Eγ's.

[‡] From $^{110}\text{Cd}(p,n)$.

[#] From Doppler Shift Attenuation method in $^{107}\text{Ag}(\alpha,n\gamma)$, unless otherwise stated.

@ From J^π of parent analog state in ^{110}Cd .

& Band(A): Magnetic-rotational band #1. Configuration= $\pi(g_{9/2}^{-1})\otimes v h_{11/2}$.

^a Band(B): Magnetic-rotational band #2. Configuration= $\pi(g_{9/2}^{-1})\otimes v((g_{7/2}/d_{5/2})^2)(h_{11/2})$.

^b Band(C): Magnetic-rotational band #3. Configuration= $\pi(g_{9/2}^{-1})\otimes v((g_{7/2}/d_{5/2})(h_{11/2})^2)$ below the alignment, and $\pi(g_{9/2}^{-1})\otimes v((g_{7/2}/d_{5/2})^3)(h_{11/2})^2$ above the alignment.

^c Band(D): Anti-magnetic rotational band #1. Configuration= $\pi((g_{9/2}^{-2})(d_{5/2}))\otimes v h_{11/2}$ below the alignment, and $\pi((g_{9/2}^{-2})(d_{5/2})\otimes v(h_{11/2})^3)$ above the alignment.

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Adopted Levels, Gammas (continued)

 ^{110}In Levels (continued)

- ^d Band(E): $\pi(g_{9/2}^{-2})(g_{7/2}) \otimes \nu h_{11/2}$ band. Below the alignment and $\pi(g_{9/2}^{-2})(g_{7/2}) \otimes \nu (h_{11/2})^3$ above the alignment.
- ^e Band(F): $\pi(g_{9/2}^{-1}) \otimes \nu g_{7/2}$ band. Below the alignment and $\pi(g_{9/2}^{-1}) \otimes \nu ((g_{7/2}/d_{5/2})^3)$ above the alignment.
- ^f Band(G): $\pi(g_{9/2}^{-1}) \otimes \nu ((g_{7/2}/d_{5/2})^2 (h_{11/2}))$ band. (ABF).
- ^g Band(H): $\pi(g_{9/2}^{-1}) \otimes \nu ((g_{7/2}/d_{5/2}) (h_{11/2})^2)$ band. (BEF).
- ^h Band(I): $\pi(g_{9/2}^{-1}) \otimes \nu (h_{11/2})^3$ band.

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ | | | | | | | | | |
|---------------------------|-------------------|------------------------------------|------------------------------|--------|--|----------------------|------------|------------------|---|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult. & | δ^c | α^\dagger | Comments |
| 202.38 | 3 ⁺ | 140.304 6 | 100 | 62.08 | 2 ⁺ | M1(+E2) ^a | -0.04 6 | 0.199 4 | $\alpha(\text{K})=0.172$ 3; $\alpha(\text{L})=0.0216$ 6; $\alpha(\text{M})=0.00421$ 12; $\alpha(\text{N}+..)=0.000827$ 21 $\alpha(\text{N})=0.000770$ 20; $\alpha(\text{O})=5.68\times 10^{-5}$ 10 Mult.: $\alpha(\text{K})_{\text{exp}}=0.18$ 4 and $A_2=-0.192$ 19, $A_4=0.069$ 23 (1987Kr15). Other: $\alpha(\text{K})_{\text{exp}}=0.133$ 9 (1989Kr12). |
| 321.20 | 4 ⁺ | 118.819 6 | 100 3 | 202.38 | 3 ⁺ | M1+E2 | -0.05 3 | 0.316 | $\alpha(\text{K})=0.273$ 4; $\alpha(\text{L})=0.0346$ 7; $\alpha(\text{M})=0.00673$ 14; $\alpha(\text{N}+..)=0.001321$ 25 $\alpha(\text{N})=0.001230$ 24; $\alpha(\text{O})=9.05\times 10^{-5}$ 14 Mult.: $\alpha(\text{K})_{\text{exp}}=0.31$ 6 and $A_2=-0.23$ 4, $A_4=0.03$ 5 (1987Kr15). |
| 334.09 | 2 ⁺ | 259.12 5 131.63 8 272.018 15 | 2.90 14 0.39@ 3 100@ 3 | 62.08 | 2 ⁺ 3 ⁺ 2 ⁺ | M1+E2 | +0.06 4 | 0.0337 | B(M1)(W.u.)<0.22; B(E2)(W.u.)<20 $\alpha(\text{N})=0.0001280$ 19; $\alpha(\text{O})=9.53\times 10^{-6}$ 14 Mult.: $\alpha(\text{K})_{\text{exp}}=0.032$ 3 and $A_2=-0.193$ 11, $A_4=-0.009$ 13 (1987Kr15). |
| 342.55 | 1 ⁺ | 280.459 15 | 100 4 | 62.08 | 2 ⁺ | M1(+E2) | +0.04 22 | 0.0311 9 | $\alpha(\text{K})=0.0270$ 7; $\alpha(\text{L})=0.00332$ 14; $\alpha(\text{M})=0.00064$ 3; $\alpha(\text{N}+..)=0.000127$ 5 $\alpha(\text{N})=0.000118$ 5; $\alpha(\text{O})=8.80\times 10^{-6}$ 20 B(M1)(W.u.)<0.20?; B(E2)(W.u.)<40? Mult.: $\alpha(\text{K})_{\text{exp}}=0.0291$ 23 and $A_2=-0.004$ 13, $A_4=-0.011$ 15 (1987Kr15). |
| 346.32 | 4 ⁺ | 143.940 6 | 100 5 | 202.38 | 3 ⁺ | M1+E2 ^a | -0.07 5 | 0.186 4 | $\alpha(\text{N})=0.000722$ 20; $\alpha(\text{O})=5.31\times 10^{-5}$ 10 Mult.: $\alpha(\text{K})_{\text{exp}}=0.19$ 5 and $A_2=-0.31$ 4, $A_4=-0.05$ 5 (1987Kr15). Other: M1 from $\alpha(\text{K})_{\text{exp}}=0.14$ 3 (1989Kr12). |
| 366.52 | (5 ⁺) | 284.24 10 45.32 2 | 4.3 3 100 | 62.08 | 2 ⁺ 4 ⁺ | | | | |
| 413.482 | 7 ⁺ | 413.52 5 | 100 | 0.0 | 7 ⁺ | M1+E2 ^b | | 0.0119 4 | $\alpha(\text{K})=0.0103$ 3; $\alpha(\text{L})=0.00134$ 12; $\alpha(\text{M})=0.000260$ 24; $\alpha(\text{N}+..)=5.1\times 10^{-5}$ 4 $\alpha(\text{N})=4.7\times 10^{-5}$ 4; $\alpha(\text{O})=3.29\times 10^{-6}$ 6 Mult.: DCO=1.75 6. |
| 437.15 | (5 ⁺) | 90.826 8 | 76.2 23 | 346.32 | 4 ⁺ | M1(+E2) | -0.13 13 | 0.70 7 | $\alpha(\text{K})=0.60$ 5; $\alpha(\text{L})=0.081$ 20; $\alpha(\text{M})=0.016$ 4; $\alpha(\text{N}+..)=0.0031$ 7 $\alpha(\text{N})=0.0029$ 7; $\alpha(\text{O})=0.000199$ 19 Mult.: $A_2=-0.40$ 17, $A_4=-0.009$ 18 (1987Kr15). |
| | | 115.951 6 | 100 3 | 321.20 | 4 ⁺ | M1(+E2) | -0.03 13 | 0.337 15 | $\alpha(\text{K})=0.292$ 11; $\alpha(\text{L})=0.037$ 4; $\alpha(\text{M})=0.0072$ 7; $\alpha(\text{N}+..)=0.00141$ 12 $\alpha(\text{N})=0.00131$ 12; $\alpha(\text{O})=9.7\times 10^{-5}$ 4 Mult.: $A_2=-0.31$ 11, $A_4=-0.08$ 15 (1987Kr15). |
| 541.24 | 3 ⁺ | 234.70 6 194.92 10 | 6.4 6 2.1 3 | 202.38 | 3 ⁺ 4 ⁺ | [M1] | | 0.0810 | $\alpha(\text{K})=0.0703$ 10; $\alpha(\text{L})=0.00874$ 13; $\alpha(\text{M})=0.001697$ 24; $\alpha(\text{N}+..)=0.000334$ 5 $\alpha(\text{N})=0.000311$ 5; $\alpha(\text{O})=2.31\times 10^{-5}$ 4 B(M1)(W.u.)=0.014 +4-10 |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | | |
|---------------------------------------|--------------------|---------------------|---------------------|---------|------------------|--------------------|------------|------------------|---|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult. & | δ^c | α^\dagger | Comments |
| 541.24 | 3 ⁺ | 207.17 3 | 72 4 | 334.09 | 2 ⁺ | M1 ^a | | 0.0688 | $\alpha(\text{K})=0.0597$ 9; $\alpha(\text{L})=0.00742$ 11; $\alpha(\text{M})=0.001439$ 21; $\alpha(\text{N}+..)=0.000283$ 4 $\alpha(\text{N})=0.000264$ 4; $\alpha(\text{O})=1.96\times 10^{-5}$ 3 B(M1)(W.u.)=0.39 +10-28 Mult.: $\alpha(\text{K})\text{exp}=0.058$ 4 (1989Kr12). |
| | | 220.09 10 | 2.1 3 | 321.20 | 4 ⁺ | [M1] | | 0.0586 | $\alpha(\text{K})=0.0508$ 8; $\alpha(\text{L})=0.00630$ 9; $\alpha(\text{M})=0.001223$ 18; $\alpha(\text{N}+..)=0.000241$ 4 $\alpha(\text{N})=0.000224$ 4; $\alpha(\text{O})=1.667\times 10^{-5}$ 24 B(M1)(W.u.)=0.009 +3-7 |
| | | 338.85 5 | 8.8 15 | 202.38 | 3 ⁺ | M1+E2 ^a | | 0.0210 19 | $\alpha(\text{K})=0.0180$ 15; $\alpha(\text{L})=0.0024$ 4; $\alpha(\text{M})=0.00047$ 8; $\alpha(\text{N}+..)=9.1\times 10^{-5}$ 14 $\alpha(\text{N})=8.5\times 10^{-5}$ 14; $\alpha(\text{O})=5.8\times 10^{-6}$ 4 Mult.: $\alpha(\text{K})\text{exp}=0.019$ 3 (1987Kr15). |
| | | 479.15 3 | 100 3 | 62.08 | 2 ⁺ | M1(+E2) | +0.03 3 | 0.00806 12 | $\alpha=0.00806$ 12; $\alpha(\text{K})=0.00702$ 10; $\alpha(\text{L})=0.000848$ 12; $\alpha(\text{M})=0.0001643$ 23; $\alpha(\text{N}+..)=3.24\times 10^{-5}$ $\alpha(\text{N})=3.01\times 10^{-5}$ 5; $\alpha(\text{O})=2.26\times 10^{-6}$ 4 B(M1)(W.u.)=(0.044 +11-31); B(E2)(W.u.)=(0.1 +3-1) Mult.: $\alpha(\text{K})\text{exp}=0.0067$ 4 and $A_2=-0.164$ 18, $A_4=-0.021$ 25 (1987Kr15). |
| 568.40 | (6) ⁺ | 131.28 8 | 2.4 3 | 437.15 | (5) ⁺ | [M1] | | 0.238 | $\alpha(\text{K})=0.206$ 3; $\alpha(\text{L})=0.0259$ 4; $\alpha(\text{M})=0.00504$ 8; $\alpha(\text{N}+..)=0.000991$ 14 $\alpha(\text{N})=0.000923$ 13; $\alpha(\text{O})=6.82\times 10^{-5}$ 10 B(M1)(W.u.)=0.12 +4-6 |
| | | 154.90 14 | | 413.482 | 7 ⁺ | [M1] | | 0.1511 | $\alpha(\text{K})=0.1309$ 19; $\alpha(\text{L})=0.01639$ 24; $\alpha(\text{M})=0.00318$ 5; $\alpha(\text{N}+..)=0.000626$ 9 $\alpha(\text{N})=0.000583$ 9; $\alpha(\text{O})=4.32\times 10^{-5}$ 7 |
| | | 568.41 6 | 100.0 23 | 0.0 | 7 ⁺ | M1+E2 ^a | | 0.00512 23 | $\alpha=0.00512$ 23; $\alpha(\text{K})=0.00443$ 22; $\alpha(\text{L})=0.000554$ 9; $\alpha(\text{M})=0.0001075$ 17; $\alpha(\text{N}+..)=2.10\times 10^{-5}$ 5 $\alpha(\text{N})=1.96\times 10^{-5}$ 4; $\alpha(\text{O})=1.41\times 10^{-6}$ 8 Mult.: $\alpha(\text{K})\text{exp}=0.0052$ 3 (1989Kr12). |
| 714.47 | 8 ⁺ | 300.99 3 | 9.2 7 | 413.482 | 7 ⁺ | M1+E2 | | 0.030 4 | $\alpha(\text{K})=0.025$ 3; $\alpha(\text{L})=0.0035$ 8; $\alpha(\text{M})=0.00068$ 15; $\alpha(\text{N}+..)=0.00013$ 3 $\alpha(\text{N})=0.00012$ 3; $\alpha(\text{O})=8.2\times 10^{-6}$ 9 Mult.: $\alpha(\text{K})\text{exp}=0.029$ 3 (1989Kr12). |
| | | 714.37 10 | 100 4 | 0.0 | 7 ⁺ | M1+E2 | | 0.00290 22 | $\alpha=0.00290$ 22; $\alpha(\text{K})=0.00252$ 20; $\alpha(\text{L})=0.000308$ 16; $\alpha(\text{M})=6.0\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.17\times 10^{-5}$ 7 $\alpha(\text{N})=1.09\times 10^{-5}$ 6; $\alpha(\text{O})=8.0\times 10^{-7}$ 7 Mult.: $\alpha(\text{K})\text{exp}=0.0028$ 2 (1989Kr12). |
| 756.45 | (4,5) ⁺ | 389.93 3 | 24.2 18 | 366.52 | (5) ⁺ | M1+E2 ^a | | 0.0141 7 | $\alpha(\text{K})=0.0121$ 5; $\alpha(\text{L})=0.00159$ 17; $\alpha(\text{M})=0.00031$ 4; $\alpha(\text{N}+..)=6.0\times 10^{-5}$ 6 $\alpha(\text{N})=5.6\times 10^{-5}$ 6; $\alpha(\text{O})=3.88\times 10^{-6}$ 12 Mult.: $\alpha(\text{K})\text{exp}=0.0157$ 14 (1989Kr12). |

Adopted Levels, Gammas (continued)

| E _i (level) | J _i ^π | γ(¹¹⁰ In) (continued) | | E _f | J _f ^π | Mult. & | δ ^c | α [†] | Comments |
|------------------------|-----------------------------|-----------------------------------|-----------------------------|--|-----------------------------|--------------------|----------------|----------------|---|
| | | E _γ [‡] | I _γ [‡] | | | | | | |
| 756.45 | (4,5) ⁺ | 410.11 2 435.32 4 | 80.5 22 100 8 | 346.32 4 ⁺ 321.20 4 ⁺ | | M1+E2 ^α | | 0.01037 22 | α(K)=0.00894 14; α(L)=0.00115 8; α(M)=0.000224 17; α(N+..)=4.4×10 ⁻⁵ 3 α(N)=4.1×10 ⁻⁵ 3; α(O)=2.86×10 ⁻⁶ 4 Mult.: α(K)exp=0.0101 6 (1989Kr12). |
| 756.55 | 2 ⁻ | 215.36 5 413.99 2 | 21.8 25 100 12 | 541.24 3 ⁺ 342.55 1 ⁺ | | E1(+M2) | +0.05 3 | 0.00366 16 | α=0.00366 16; α(K)=0.00319 14; α(L)=0.000381 18; α(M)=7.4×10 ⁻⁵ 4; α(N+..)=1.44×10 ⁻⁵ 7 α(N)=1.34×10 ⁻⁵ 7; α(O)=9.7×10 ⁻⁷ 5 Mult.: α(K)exp=0.0039 10 and A ₂ =-0.154 15, A ₄ =-0.010 20 (1987Kr15). |
| | | 422.48 4 | 20 2 | 334.09 2 ⁺ | | E1(+M2) | -0.04 27 | 0.003 3 | α=0.003 3; α(K)=0.003 3; α(L)=0.0004 4; α(M)=7.E-5 7; α(N+..)=1.4×10 ⁻⁵ 14 α(N)=1.3×10 ⁻⁵ 13; α(O)=9.E-7 10 Mult.: α(K)exp=0.0029 6 and A ₂ =0.18 8, A ₄ =0.028 11 (1987Kr15). |
| | | 554.09 7 694.44 5 | 3.6 3 42 4 | 202.38 3 ⁺ 62.08 2 ⁺ | | E1 | | 0.001077 15 | I _γ : From ¹¹⁰ Cd(p,nγ). α=0.001077 15; α(K)=0.000941 14; α(L)=0.0001106 16; α(M)=2.13×10 ⁻⁵ 3; α(N+..)=4.19×10 ⁻⁶ α(N)=3.90×10 ⁻⁶ 6; α(O)=2.87×10 ⁻⁷ 4 Mult.: α(K)exp=0.0090 27 (1987Kr15). |
| 793.04 | 4 ⁺ | 251.81 3 | 100 5 | 541.24 3 ⁺ | | M1(+E2) | -0.01 15 | 0.0411 8 | α(K)=0.0357 7; α(L)=0.00440 11; α(M)=0.000854 22; α(N+..)=0.000168 4 α(N)=0.000157 4; α(O)=1.166×10 ⁻⁵ 20 B(M1)(W.u.)=(0.44 +14-26); B(E2)(W.u.)=(1 +18-1) Mult.: α(K)exp=0.035 3 and A ₂ =-0.33 12, A ₄ =-0.17 16 (1987Kr15). |
| | | 471.79 6 | 3 4 | 321.20 4 ⁺ | | [M1] | | 0.00837 12 | α=0.00837 12; α(K)=0.00729 11; α(L)=0.000882 13; α(M)=0.0001707 24; α(N+..)=3.37×10 ⁻⁵ α(N)=3.13×10 ⁻⁵ 5; α(O)=2.35×10 ⁻⁶ 4 B(M1)(W.u.)=0.002 +3-2 I _γ : Other: 12.4 9 in ¹¹⁰ Cd(p,nγ). |
| | | 590.65 2 | 77 4 | 202.38 3 ⁺ | | M1(+E2) | -0.05 16 | 0.00486 7 | α=0.00486 7; α(K)=0.00424 7; α(L)=0.000509 8; α(M)=9.85×10 ⁻⁵ 14; α(N+..)=1.94×10 ⁻⁵ 3 α(N)=1.81×10 ⁻⁵ 3; α(O)=1.359×10 ⁻⁶ 20 B(M1)(W.u.)=(0.026 +8-16); B(E2)(W.u.)=(0.2 +10-2) Mult.: α(K)exp=0.0044 4 and A ₂ =-0.32 13, A ₄ =-0.069 18 (1987Kr15). |
| 799.851 | 7 ⁻ | 231.52 10 | 2.14 20 | 568.40 (6) ⁺ | | [E1] | | 0.01638 | α(K)=0.01426 20; α(L)=0.001724 25; α(M)=0.000332 5; α(N+..)=6.46×10 ⁻⁵ 9 α(N)=6.04×10 ⁻⁵ 9; α(O)=4.21×10 ⁻⁶ 6 B(E1)(W.u.)<0.00020 |

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Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | | |
|---------------------------------------|--|-----------------------|----------------------|---------|------------------|--------------------|-------------------|---|--|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult. & | α^\ddagger | Comments | |
| 799.851 | 7 ⁻ | 386.36 2 | 23.1 6 | 413.482 | 7 ⁺ | E1 | 0.00423 6 | $\alpha=0.00423$ 6; $\alpha(\text{K})=0.00369$ 6; $\alpha(\text{L})=0.000441$ 7; $\alpha(\text{M})=8.50\times 10^{-5}$ 12; $\alpha(\text{N}+..)=1.661\times 10^{-5}$ 24 $\alpha(\text{N})=1.550\times 10^{-5}$ 22; $\alpha(\text{O})=1.113\times 10^{-6}$ 16 B(E1)(W.u.)<0.00047 Mult.: $\alpha(\text{K})\text{exp}=0.005$ 3 (1989Kr12) in $^{107}\text{Ag}(\alpha,\text{n}\gamma)$ and from DCO=2.14 16 (2001Ch71) in $^{96}\text{Zr}(^{19}\text{F},5\text{n}\gamma)$. | |
| | | 799.83 2 | 100.0 20 | 0.0 | 7 ⁺ | E1 | 0.000801 12 | $\alpha=0.000801$ 12; $\alpha(\text{K})=0.000700$ 10; $\alpha(\text{L})=8.20\times 10^{-5}$ 12; $\alpha(\text{M})=1.580\times 10^{-5}$ 23; $\alpha(\text{N}+..)=3.11\times 10^{-6}$ $\alpha(\text{N})=2.89\times 10^{-6}$ 4; $\alpha(\text{O})=2.14\times 10^{-7}$ 3 B(E1)(W.u.)<0.00023 Mult.: $\alpha(\text{K})\text{exp}=0.00082$ 4 (1989Kr12) in $^{107}\text{Ag}(\alpha,\text{n}\gamma)$ and from DCO=2.04 10 in $^{96}\text{Zr}(^{19}\text{F},5\text{n}\gamma)$. | |
| 808.072 | 8 ⁻ | (8.0 [#] 10) | 0.37 [#] 19 | 799.851 | 7 ⁻ | [M1+E2] | $4.\times 10^4$ 6 | $\alpha(\text{L})=3.\text{E}4$ 5; $\alpha(\text{M})=7.\text{E}3$ 9; $\alpha(\text{N}+..)=1.1\times 10^3$ 16 $\alpha(\text{N})=1.1\times 10^3$ 15; $\alpha(\text{O})=16$ 23 | |
| | | 93.44 20 | 1.67 19 | 714.47 | 8 ⁺ | E1 | 0.211 | B(E1)(W.u.)<1.7 $\times 10^{-5}$ $\alpha(\text{K})=0.183$ 3; $\alpha(\text{L})=0.0230$ 4; $\alpha(\text{M})=0.00443$ 7; $\alpha(\text{N}+..)=0.000844$ 13 $\alpha(\text{N})=0.000794$ 13; $\alpha(\text{O})=5.08\times 10^{-5}$ 8 I_γ ,Mult.: From $^{96}\text{Zr}(^{19}\text{F},5\text{n}\gamma)$. | |
| | | 394.59 2 | 42.8 11 | 413.482 | 7 ⁺ | E1 ^b | 0.00401 6 | $\alpha=0.00401$ 6; $\alpha(\text{K})=0.00350$ 5; $\alpha(\text{L})=0.000418$ 6; $\alpha(\text{M})=8.06\times 10^{-5}$ 12; $\alpha(\text{N}+..)=1.575\times 10^{-5}$ 22 $\alpha(\text{N})=1.470\times 10^{-5}$ 21; $\alpha(\text{O})=1.056\times 10^{-6}$ 15 B(E1)(W.u.)<5.7 $\times 10^{-6}$ Mult.: DCO=0.94 4. | |
| | | 808.09 3 | 100.0 25 | 0.0 | 7 ⁺ | E1 ^b | 0.000784 11 | B(E1)(W.u.)<1.6 $\times 10^{-6}$ $\alpha=0.000784$ 11; $\alpha(\text{K})=0.000686$ 10; $\alpha(\text{L})=8.03\times 10^{-5}$ 12; $\alpha(\text{M})=1.547\times 10^{-5}$ 22; $\alpha(\text{N}+..)=3.04\times 10^{-6}$ $\alpha(\text{N})=2.83\times 10^{-6}$ 4; $\alpha(\text{O})=2.09\times 10^{-7}$ 3 Mult.: DCO=0.96 3 (2001Ch71) (DCO($\Delta\text{J}=2,\text{Q}$ gated)=0.67 15); $\alpha(\text{K})\text{exp}=0.00066$ 5 (1989Kr12). | |
| 856.266 | 6,7 ⁻ | 56.40 2 | | 799.851 | 7 ⁻ | | | | |
| | | 287.93 5 | ≤ 93 | 568.40 | (6) ⁺ | | | | |
| | | 442.82 7 | ≤ 88 | 413.482 | 7 ⁺ | | | | |
| 886.41 | 5 ⁺ ,6 ⁺ ,7 ⁺ | 856.5 3 | 100 | 0.0 | 7 ⁺ | | | | |
| | | 449.22 4 | 46 4 | 437.15 | (5) ⁺ | M1,E2 ^a | 0.00951 15 | $\alpha=0.00951$ 15; $\alpha(\text{K})=0.00821$ 12; $\alpha(\text{L})=0.00106$ 7; $\alpha(\text{M})=0.000205$ 13; $\alpha(\text{N}+..)=3.99\times 10^{-5}$ 20 $\alpha(\text{N})=3.73\times 10^{-5}$ 20; $\alpha(\text{O})=2.63\times 10^{-6}$ 5 Mult.: $\alpha(\text{K})\text{exp}=0.0093$ 9 (1989Kr12). | |
| | | 472.95 3 | 100 6 | 413.482 | 7 ⁺ | M1,E2 ^a | 0.00828 13 | $\alpha=0.00828$ 13; $\alpha(\text{K})=0.00716$ 14; $\alpha(\text{L})=0.00091$ 4; $\alpha(\text{M})=0.000177$ 9; $\alpha(\text{N}+..)=3.46\times 10^{-5}$ 13 $\alpha(\text{N})=3.23\times 10^{-5}$ 13; $\alpha(\text{O})=2.29\times 10^{-6}$ 6 Mult.: $\alpha(\text{K})\text{exp}=0.0094$ 16 (1989Kr12). | |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | | |
|---------------------------------------|-----------------|---------------------|---------------------|--------|-------------------|--------------------|------------|------------------|--|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult.& | δ^c | α^\dagger | Comments |
| 887.40 | $4^+, 5^+, 6^+$ | 94.35 10 | 14 3 | 793.04 | 4^+ | M1,E2 ^a | | 0.00581 22 | $\alpha=0.00581$ 22; $\alpha(\text{K})=0.00503$ 21; $\alpha(\text{L})=0.000632$ 10; $\alpha(\text{M})=0.0001226$ 19; $\alpha(\text{N}+..)=2.40\times 10^{-5}$ $\alpha(\text{N})=2.24\times 10^{-5}$ 4; $\alpha(\text{O})=1.60\times 10^{-6}$ 8 Mult.: $\alpha(\text{K})\text{exp}=0.0061$ 7 (1989Kr12). |
| | | 319.01 4 | 13.2 11 | 568.40 | (6) ⁺ | | | | |
| | | 520.75 13 | 10.8 15 | 366.52 | (5 ⁺) | M1,E2 ^a | | 0.00517 23 | $\alpha=0.00517$ 23; $\alpha(\text{K})=0.00448$ 22; $\alpha(\text{L})=0.000560$ 9; $\alpha(\text{M})=0.0001086$ 16; $\alpha(\text{N}+..)=2.12\times 10^{-5}$ 5 $\alpha(\text{N})=1.98\times 10^{-5}$ 4; $\alpha(\text{O})=1.43\times 10^{-6}$ 8 Mult.: $\alpha(\text{K})\text{exp}=0.0054$ 4 (1989Kr12). |
| | | 541.03 8 | 22.6 15 | 346.32 | 4^+ | | | | |
| 958.46 | 3^+ | 165.42 9 | 4.8 [@] 14 | 793.04 | 4^+ | M1+E2 | +0.23 16 | 0.00444 8 | $\alpha=0.00444$ 8; $\alpha(\text{K})=0.00387$ 7; $\alpha(\text{L})=0.000466$ 7; $\alpha(\text{M})=9.02\times 10^{-5}$ 13; $\alpha(\text{N}+..)=1.78\times 10^{-5}$ 3 $\alpha(\text{N})=1.654\times 10^{-5}$ 25; $\alpha(\text{O})=1.239\times 10^{-6}$ 22 Mult.: $\alpha(\text{K})\text{exp}=0.0041$ 3 and $A_2=-0.35$ 9, $A_4=-0.026$ 11 (1987Kr15). |
| | | 417.16 5 | 35 4 | 541.24 | 3^+ | | | | |
| | | 592.04 14 | 3.1 [@] 10 | 366.52 | (5 ⁺) | M1+E2 | | 0.00403 24 | $\alpha=0.00403$ 24; $\alpha(\text{K})=0.00350$ 22; $\alpha(\text{L})=0.000433$ 14; $\alpha(\text{M})=8.40\times 10^{-5}$ 25; $\alpha(\text{N}+..)=1.65\times 10^{-5}$ 6 $\alpha(\text{N})=1.53\times 10^{-5}$ 6; $\alpha(\text{O})=1.11\times 10^{-6}$ 8 Mult.: $\alpha(\text{K})\text{exp}=0.0039$ 10 (1987Kr15). |
| | | 612.19 5 | 100 8 | 346.32 | 4^+ | | | | |
| | | 615.95 10 | 14 3 | 342.55 | 1^+ | M1(+E2) | -0.05 16 | 0.00406 6 | $\alpha=0.00406$ 6; $\alpha(\text{K})=0.00354$ 6; $\alpha(\text{L})=0.000424$ 6; $\alpha(\text{M})=8.20\times 10^{-5}$ 12; $\alpha(\text{N}+..)=1.619\times 10^{-5}$ 24 $\alpha(\text{N})=1.506\times 10^{-5}$ 22; $\alpha(\text{O})=1.133\times 10^{-6}$ 17 Mult.: $\alpha(\text{K})\text{exp}=0.0038$ 9 and $A_2=-0.06$ 6, $A_4=0.15$ 12 (1987Kr15). |
| | | 624.41 6 | 36 4 | 334.09 | 2^+ | | | | |
| | | 756.03 6 | 59 11 | 202.38 | 3^+ | M1+E2 | | 0.00253 20 | $\alpha=0.00253$ 20; $\alpha(\text{K})=0.00220$ 18; $\alpha(\text{L})=0.000268$ 16; $\alpha(\text{M})=5.2\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.02\times 10^{-5}$ 7 $\alpha(\text{N})=9.5\times 10^{-6}$ 6; $\alpha(\text{O})=7.0\times 10^{-7}$ 7 Mult.: $\alpha(\text{K})\text{exp}=0.023$ 5 (1987Kr15). |
| | | 896.31 6 | 37 7 | 62.08 | 2^+ | | | | |
| 970.87 | $3^+, 4, 5^+$ | 429.63 15 | 15 5 | 541.24 | 3^+ | M1+E2 | -0.23 16 | 0.00183 4 | $\alpha=0.00183$ 4; $\alpha(\text{K})=0.00160$ 3; $\alpha(\text{L})=0.000190$ 4; $\alpha(\text{M})=3.67\times 10^{-5}$ 7; $\alpha(\text{N}+..)=7.24\times 10^{-6}$ 13 $\alpha(\text{N})=6.73\times 10^{-6}$ 12; $\alpha(\text{O})=5.07\times 10^{-7}$ 10 I_γ : Other: 84 7 in $^{110}\text{Cd}(\text{p},\text{n}\gamma)$. Mult.: $A_2=-0.530$ 10, $A_4=-0.019$ 12 (1987Kr15). |
| | | 533.83 11 | 71 8 | 437.15 | (5) ⁺ | | | | |
| | | 649.68 5 | 90 10 | 321.20 | 4^+ | M1+E2 | | 0.00183 4 | $\alpha=0.00183$ 4; $\alpha(\text{K})=0.00160$ 3; $\alpha(\text{L})=0.000190$ 4; $\alpha(\text{M})=3.67\times 10^{-5}$ 7; $\alpha(\text{N}+..)=7.24\times 10^{-6}$ 13 $\alpha(\text{N})=6.73\times 10^{-6}$ 12; $\alpha(\text{O})=5.07\times 10^{-7}$ 10 I_γ : Other: 84 7 in $^{110}\text{Cd}(\text{p},\text{n}\gamma)$. Mult.: $A_2=-0.530$ 10, $A_4=-0.019$ 12 (1987Kr15). |
| | | 768.45 5 | 100 8 | 202.38 | 3^+ | | | | |
| | | | | | | | | | I_γ : Other: 59 12 in $^{110}\text{Cd}(\text{p},\text{n}\gamma)$. I_γ : Other: 64.0 13 in $^{110}\text{Cd}(\text{p},\text{n}\gamma)$. |

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{In})$ (continued)

| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult.& | δ^c | α^\dagger | Comments |
|---------------------|--------------------------------|---------------------|---------------------|---------|------------------|--------------------|------------|------------------|---|
| 989.84 | 2 ⁻ | 233.31 4 | 17 3 | 756.55 | 2 ⁻ | M1(+E2) | | 0.065 15 | $\alpha(\text{K})=0.055$ 11; $\alpha(\text{L})=0.008$ 3; $\alpha(\text{M})=0.0016$ 6; $\alpha(\text{N}+..)=0.00030$ 10 $\alpha(\text{N})=0.00028$ 10; $\alpha(\text{O})=1.8 \times 10^{-5}$ 4 I_γ : Other: 19 1 in ¹¹⁰ Cd(p,n γ). Mult.: $\alpha(\text{K})_{\text{exp}}=0.041$ 21 (1987Kr15). |
| | | 448.61 5 | 17.8 11 | 541.24 | 3 ⁺ | E1 | | 0.00292 4 | $\alpha=0.00292$ 4; $\alpha(\text{K})=0.00255$ 4; $\alpha(\text{L})=0.000303$ 5; $\alpha(\text{M})=5.85 \times 10^{-5}$ 9; $\alpha(\text{N}+..)=1.146 \times 10^{-5}$ 16 $\alpha(\text{N})=1.068 \times 10^{-5}$ 15; $\alpha(\text{O})=7.72 \times 10^{-7}$ 11 I_γ : From ¹¹⁰ Cd(p,n γ). Mult.: $\alpha(\text{K})_{\text{exp}}=0.0025$ 10 (1987Kr15). |
| | | 647.27 4 | 100 9 | 342.55 | 1 ⁺ | E1(+M2) | -0.03 12 | 0.00126 22 | $\alpha=0.00126$ 22; $\alpha(\text{K})=0.00110$ 19; $\alpha(\text{L})=0.000130$ 24; $\alpha(\text{M})=2.5 \times 10^{-5}$ 5; $\alpha(\text{N}+..)=4.9 \times 10^{-6}$ 10 $\alpha(\text{N})=4.6 \times 10^{-6}$ 9; $\alpha(\text{O})=3.4 \times 10^{-7}$ 7 Mult.: $A_2=-0.21$ 6, $A_4=0.02$ 9 (1987Kr15). |
| | | 655.73 5 | 10.6@ 8 | 334.09 | 2 ⁺ | | | | |
| | | 787.48 6 | 78 8 | 202.38 | 3 ⁺ | E1(+M2) | -0.18 30 | 0.0010 9 | $\alpha=0.0010$ 9; $\alpha(\text{K})=0.0009$ 8; $\alpha(\text{L})=0.00010$ 10; $\alpha(\text{M})=2.0 \times 10^{-5}$ 20; $\alpha(\text{N}+..)=4.E-6$ 4 $\alpha(\text{N})=4.E-6$ 4; $\alpha(\text{O})=3.E-7$ 3 I_γ : Other: 40 4 in ¹¹⁰ Cd(p,n γ). Mult.: $\alpha(\text{K})_{\text{exp}}=0.0058$ 19 and $A_2=0.03$ 6, $A_4=0.17$ 11 (1987Kr15). |
| | | 927.74 5 | 57 9 | 62.08 | 2 ⁺ | E1(+M2) | -0.03 14 | 0.00060 10 | $\alpha=0.00060$ 10; $\alpha(\text{K})=0.00052$ 9; $\alpha(\text{L})=6.1 \times 10^{-5}$ 11; $\alpha(\text{M})=1.18 \times 10^{-5}$ 21; $\alpha(\text{N}+..)=2.3 \times 10^{-6}$ 5 $\alpha(\text{N})=2.2 \times 10^{-6}$ 4; $\alpha(\text{O})=1.6 \times 10^{-7}$ 3 Mult.: $\alpha(\text{K})_{\text{exp}}=0.0054$ 9 and $A_2=0.19$ 7, $A_4=-0.03$ 9 (1987Kr15). |
| 1006.06 | (5,6) | 149.80 2 | 100 5 | 856.266 | 6,7 ⁻ | M1 ^a | | 0.1656 | $\alpha(\text{K})=0.1434$ 20; $\alpha(\text{L})=0.0180$ 3; $\alpha(\text{M})=0.00349$ 5; $\alpha(\text{N}+..)=0.000687$ 10 $\alpha(\text{N})=0.000639$ 9; $\alpha(\text{O})=4.73 \times 10^{-5}$ 7 B(M1)(W.u.)<3.1 Mult.: $\alpha(\text{K})_{\text{exp}}=0.14$ 3 (1989Kr12). |
| | | 569.06 19 | 7.2 9 | 437.15 | (5) ⁺ | | | | |
| 1017.93 | 9 ⁻ | 209.80 4 | 100 | 808.072 | 8 ⁻ | M1+E2 ^b | | 0.090 24 | $\alpha(\text{K})=0.076$ 18; $\alpha(\text{L})=0.012$ 5; $\alpha(\text{M})=0.0023$ 9; $\alpha(\text{N}+..)=0.00043$ 16 $\alpha(\text{N})=0.00041$ 16; $\alpha(\text{O})=2.5 \times 10^{-5}$ 6 Mult.: DCO=1.04 2, DCO($\Delta J=2, Q$ gated)=0.63 13. |
| 1020.81 | 5 ⁺ ,6 ⁺ | 452.35 5 | 40 3 | 568.40 | (6) ⁺ | M1,E2 | | 0.00934 14 | $\alpha=0.00934$ 14; $\alpha(\text{K})=0.00806$ 12; $\alpha(\text{L})=0.00103$ 6; $\alpha(\text{M})=0.000201$ 12; $\alpha(\text{N}+..)=3.92 \times 10^{-5}$ 19 $\alpha(\text{N})=3.66 \times 10^{-5}$ 19; $\alpha(\text{O})=2.58 \times 10^{-6}$ 5 Mult.: $\alpha(\text{K})_{\text{exp}}=0.0093$ 13. |
| | | 674.53 5 | 50 9 | 346.32 | 4 ⁺ | | | | |
| | | 1020.84 6 | 100 7 | 0.0 | 7 ⁺ | M1,E2 | | 0.00127 11 | $\alpha=0.00127$ 11; $\alpha(\text{K})=0.00110$ 10; $\alpha(\text{L})=0.000132$ 11; |

Adopted Levels, Gammas (continued)

γ(¹¹⁰In) (continued)

| <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^c</u> | <u>α[†]</u> | <u>Comments</u> |
|-----------------------------|----------------------------------|---|--|---|----------------------------------|--------------------|----------------------|----------------------|--|
| | | | | | | | | | α(M)=2.55×10 ⁻⁵ 20; α(N+..)=5.0×10 ⁻⁶ 4 α(N)=4.7×10 ⁻⁶ 4; α(O)=3.5×10 ⁻⁷ 4 Mult.: α(K)exp=0.0014 5. |
| 1023.40 | 3 ⁻ | 266.87 10 677.12 15 689.27 10 702.07 19 821.00 17 961.32 3 | 13 @ 5 15 @ 3 4.1 @ 6 5.1 @ 25 17 3 100 7 | 756.55 2 ⁻ 346.32 4 ⁺ 334.09 2 ⁺ 321.20 4 ⁺ 202.38 3 ⁺ 62.08 2 ⁺ | | | | | |
| | | | | | | E1 ^a | | 0.000556 8 | I _γ : From ¹¹⁰ Cd(p,n _γ). α=0.000556 8; α(K)=0.000486 7; α(L)=5.67×10 ⁻⁵ 8; α(M)=1.092×10 ⁻⁵ 16; α(N+..)=2.15×10 ⁻⁶ 3 α(N)=2.00×10 ⁻⁶ 3; α(O)=1.484×10 ⁻⁷ 21 Mult.: α(K)exp=0.00044 11 (1989Kr12). |
| 1049.88 | 1 ⁺ ,2 ⁺ | 707.34 4 | 100 12 | 342.55 1 ⁺ | | M1(+E2) | +0.05 5 | 0.00318 5 | α=0.00318 5; α(K)=0.00277 4; α(L)=0.000331 5; α(M)=6.40×10 ⁻⁵ 9; α(N+..)=1.264×10 ⁻⁵ 18 α(N)=1.175×10 ⁻⁵ 17; α(O)=8.85×10 ⁻⁷ 13 B(M1)(W.u.)=(0.042 +18-39); B(E2)(W.u.)=(0.2 +4-2) Mult.: α(K)exp=0.0264 18 and A ₂ =-0.121 29, A ₄ =0.060 41 (1987Kr15). |
| | | 715.72 8 | 12.0 24 | 334.09 2 ⁺ | | (M1) | | 0.00309 5 | α=0.00309 5; α(K)=0.00270 4; α(L)=0.000322 5; α(M)=6.23×10 ⁻⁵ 9; α(N+..)=1.229×10 ⁻⁵ 18 α(N)=1.143×10 ⁻⁵ 16; α(O)=8.61×10 ⁻⁷ 12 B(M1)(W.u.)=0.0049 +23-46 Mult.: α(K)exp=0.0314 78 (1987Kr15). |
| | | 987.81 4 | 35.0 @ 14 | 62.08 2 ⁺ | | M1(+E2) | +0.07 21 | 0.00148 3 | α=0.00148 3; α(K)=0.001292 23; α(L)=0.000153 3; α(M)=2.95×10 ⁻⁵ 5; α(N+..)=5.84×10 ⁻⁶ 10 α(N)=5.43×10 ⁻⁶ 10; α(O)=4.10×10 ⁻⁷ 8 B(M1)(W.u.)=(0.0054 +23-49); B(E2)(W.u.)=(0.02 +14-2) Mult.: α(K)exp=0.0128 14 and A ₂ =0.303 58, A ₄ =0.099 79 (1987Kr15). |
| 1062.71 | 4,5,6 ⁺ | 696.18 4 716.37 10 741.52 10 | 100 10 25 3 14 4 | 366.52 (5 ⁺) 346.32 4 ⁺ 321.20 4 ⁺ | | | | | |
| 1118.45 | | 751.93 10 | 100 | 366.52 (5 ⁺) | | M1,E2 ^a | | 0.00256 20 | α=0.00256 20; α(K)=0.00223 18; α(L)=0.000272 16; α(M)=5.3×10 ⁻⁵ 3; α(N+..)=1.03×10 ⁻⁵ 7 α(N)=9.6×10 ⁻⁶ 6; α(O)=7.1×10 ⁻⁷ 7 Mult.: α(K)exp=0.0026 3 (1987Kr15). |
| 1119.82 | (0) ⁻ | 363.24 4 | 35.5 14 | 756.55 2 ⁻ | | E2 | | 0.0183 | α(K)=0.01561 22; α(L)=0.00222 4; α(M)=0.000435 6; α(N+..)=8.30×10 ⁻⁵ 12 α(N)=7.80×10 ⁻⁵ 11; α(O)=4.95×10 ⁻⁶ 7 I _γ : From ¹¹⁰ Cd(p,n _γ). Mult.: α(K)exp=0.0165 15 (1987Kr15). |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | | |
|---------------------------------------|--|--|--|---|----------------|--------------------|------------|------------------|--|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult. & | δ^c | α^\dagger | Comments |
| 1119.82 | (0) ⁻ | 777.32 6 | 100 15 | 342.55 | 1 ⁺ | E1 | | 0.000849 12 | $\alpha=0.000849$ 12; $\alpha(\text{K})=0.000742$ 11; $\alpha(\text{L})=8.70\times 10^{-5}$ 13; $\alpha(\text{M})=1.677\times 10^{-5}$ 24; $\alpha(\text{N}+..)=3.30\times 10^{-6}$ $\alpha(\text{N})=3.07\times 10^{-6}$ 5; $\alpha(\text{O})=2.26\times 10^{-7}$ 4 Mult.: $\alpha(\text{K})\text{exp}=0.0077$ 15 and $A_2=-0.080$ 80, $A_4=-0.025$ 11 (1987Kr15). |
| 1134.07 | 3 ⁻ ,4 ⁻ | 377.51 2 | 100 5 | 756.55 | 2 ⁻ | M1,E2 ^a | | 0.0154 9 | $\alpha(\text{K})=0.0133$ 7; $\alpha(\text{L})=0.00175$ 21; $\alpha(\text{M})=0.00034$ 5; $\alpha(\text{N}+..)=6.6\times 10^{-5}$ 8 $\alpha(\text{N})=6.2\times 10^{-5}$ 7; $\alpha(\text{O})=4.25\times 10^{-6}$ 16 Mult.: $\alpha(\text{K})\text{exp}=0.0169$ 12 (1989Kr12). |
| 1176.23 | 2 ⁺ ,3 | 813.00 15 419.65 8 829.86 10 842.22 10 855.01 10 | 33 8 24.8@ 25 8.3@ 17 18.2@ 17 11@ 5 | 321.20 4 ⁺ 756.55 2 ⁻ 346.32 4 ⁺ 334.09 2 ⁺ 321.20 4 ⁺ | | | | | I_γ : 100 13 in ¹⁰⁷ Ag(α ,n γ). I_γ : 90 19 in ¹⁰⁷ Ag(α ,n γ). |
| 1190.93 | 1 ⁻ ,2 ⁻ ,3 ⁻ | 1114.15 6 201.10 4 434.35 3 | 100@ 10 9.0 7 100 8 | 62.08 2 ⁺ 989.84 2 ⁻ 756.55 2 ⁻ | | M1(+E2) | 0.02 11 | 0.01026 | I_γ : From ¹¹⁰ Cd(p,n γ). $\alpha(\text{K})=0.00893$ 13; $\alpha(\text{L})=0.001083$ 16; $\alpha(\text{M})=0.000210$ 3; $\alpha(\text{N}+..)=4.14\times 10^{-5}$ 6 $\alpha(\text{N})=3.85\times 10^{-5}$ 6; $\alpha(\text{O})=2.88\times 10^{-6}$ 4 Mult.: $\alpha(\text{K})\text{exp}=0.0093$ 10 and $A_2=-0.23$ 12, $A_4=0.074$ 15 (1987Kr15). |
| 1204.87 | 4 ⁻ ,5 ⁻ ,6 ⁻ | 857.11 14 198.81 4 | 2.0@ 4 100 | 334.09 2 ⁺ 1006.06 (5,6) | | M1+E2 ^a | | 0.11 3 | $\alpha(\text{K})=0.090$ 23; $\alpha(\text{L})=0.014$ 6; $\alpha(\text{M})=0.0028$ 12; $\alpha(\text{N}+..)=0.00052$ 21 $\alpha(\text{N})=0.00049$ 20; $\alpha(\text{O})=2.9\times 10^{-5}$ 8 Mult.: $\alpha(\text{K})\text{exp}=0.087$ 6 (1989Kr12). |
| 1216.80 | 2 ⁺ ,3 ⁺ ,4 ⁺ | 870.39 10 | 100 17 | 346.32 4 ⁺ | | M1,E2 ^a | | 0.00182 16 | $\alpha=0.00182$ 16; $\alpha(\text{K})=0.00158$ 14; $\alpha(\text{L})=0.000191$ 14; $\alpha(\text{M})=3.7\times 10^{-5}$ 3; $\alpha(\text{N}+..)=7.3\times 10^{-6}$ 6 $\alpha(\text{N})=6.8\times 10^{-6}$ 5; $\alpha(\text{O})=5.0\times 10^{-7}$ 5 Mult.: $\alpha(\text{K})\text{exp}=0.0014$ 4 (1989Kr12). |
| | | 882.69 7 | 87 6 | 334.09 2 ⁺ | | M1,E2 ^a | | 0.00176 16 | $\alpha=0.00176$ 16; $\alpha(\text{K})=0.00153$ 14; $\alpha(\text{L})=0.000185$ 14; $\alpha(\text{M})=3.6\times 10^{-5}$ 3; $\alpha(\text{N}+..)=7.0\times 10^{-6}$ 6 $\alpha(\text{N})=6.5\times 10^{-6}$ 5; $\alpha(\text{O})=4.8\times 10^{-7}$ 5 Mult.: $\alpha(\text{K})\text{exp}=0.0173$ 35 (1987Kr15). |
| 1230.05 | 3 ⁻ ,4,5,6 ⁺ | 895.70 10 223.98 3 883.76 8 | 12.3@ 6 57 5 100 10 | 321.20 4 ⁺ 1006.06 (5,6) 346.32 4 ⁺ | | | | | |
| 1239.93 | 1 ⁻ ,2 ⁻ ,3 ⁻ | 249.96 15 483.34 5 | 38@ 15 87@ 9 | 989.84 2 ⁻ 756.55 2 ⁻ | | M1,E2 | | 0.00781 14 | $\alpha=0.00781$ 14; $\alpha(\text{K})=0.00675$ 15; $\alpha(\text{L})=0.00086$ 4; $\alpha(\text{M})=0.000167$ 7; $\alpha(\text{N}+..)=3.26\times 10^{-5}$ 10 |

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{In})$ (continued)

| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult. & | α^\ddagger | Comments |
|---------------------|--|--|--|---|---|----------------------|-------------------|---|
| 1239.93 | 1 ⁻ , 2 ⁻ , 3 ⁻ | 905.92 10 | 58 [@] 4 | 334.09 | 2 ⁺ | E1 | 0.000624 9 | $\alpha(\text{N})=3.04\times 10^{-5}$ 10; $\alpha(\text{O})=2.16\times 10^{-6}$ 7 Mult.: $\alpha(\text{K})\text{exp}=0.0078$ 11 (1987Kr15). $\alpha=0.000624$ 9; $\alpha(\text{K})=0.000546$ 8; $\alpha(\text{L})=6.37\times 10^{-5}$ 9; $\alpha(\text{M})=1.227\times 10^{-5}$ 18; $\alpha(\text{N}+..)=2.41\times 10^{-6}$ 4 $\alpha(\text{N})=2.25\times 10^{-6}$ 4; $\alpha(\text{O})=1.665\times 10^{-7}$ 24 Mult.: $\alpha(\text{K})\text{exp}=0.0072$ 33 (1987Kr15). |
| 1254.91 | 0 ⁻ , 1 ⁻ , 2 ⁻ | 1177.93 10 498.31 7 | 100 [@] 15 59 [@] 9 | 62.08 2 ⁺ 756.55 2 ⁻ | 2 ⁺ 2 ⁻ | M1,E2 | 0.00721 16 | $\alpha=0.00721$ 16; $\alpha(\text{K})=0.00623$ 18; $\alpha(\text{L})=0.000790$ 23; $\alpha(\text{M})=0.000153$ 5; $\alpha(\text{N}+..)=2.99\times 10^{-5}$ 7 $\alpha(\text{N})=2.79\times 10^{-5}$ 7; $\alpha(\text{O})=1.99\times 10^{-6}$ 7 Mult.: $\alpha(\text{K})\text{exp}=0.0059$ 10 (1987Kr15). $\alpha=0.000615$ 9; $\alpha(\text{K})=0.000538$ 8; $\alpha(\text{L})=6.28\times 10^{-5}$ 9; $\alpha(\text{M})=1.210\times 10^{-5}$ 17; $\alpha(\text{N}+..)=2.38\times 10^{-6}$ 4 $\alpha(\text{N})=2.22\times 10^{-6}$ 4; $\alpha(\text{O})=1.642\times 10^{-7}$ 23 Mult.: $\alpha(\text{K})\text{exp}=0.0069$ 17 (1987Kr15). |
| 1259.39 | | 502.95 9 822.21 10 | 20 3 100 6 | 756.45 (4,5) ⁺ 437.15 (5) ⁺ | (4,5) ⁺ (5) ⁺ | | | |
| 1280.23 | + | 487.19 8 | 100 | 793.04 | 4 ⁺ | (M1,E2) ^a | 0.00765 15 | $\alpha=0.00765$ 15; $\alpha(\text{K})=0.00661$ 16; $\alpha(\text{L})=0.00084$ 3; $\alpha(\text{M})=0.000163$ 7; $\alpha(\text{N}+..)=3.19\times 10^{-5}$ 9 $\alpha(\text{N})=2.97\times 10^{-5}$ 10; $\alpha(\text{O})=2.11\times 10^{-6}$ 7 Mult.: $\alpha(\text{K})\text{exp}=0.0096$ 22 for 487.19 γ +487.94 γ (1989Kr12). |
| 1303.23 | | 969.14 15 | 100 | 334.09 | 2 ⁺ | | | |
| 1390.70 | | 256.63 8 | 100 | 1134.07 | 3 ⁻ , 4 ⁻ | | | |
| 1396.34 | 9 ⁺ | 681.5 [#] 10 | 24 [#] 4 | 714.47 | 8 ⁺ | M1+E2 | 0.00325 23 | $\alpha=0.00325$ 23; $\alpha(\text{K})=0.00282$ 21; $\alpha(\text{L})=0.000347$ 16; $\alpha(\text{M})=6.7\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.32\times 10^{-5}$ 7 $\alpha(\text{N})=1.23\times 10^{-5}$ 6; $\alpha(\text{O})=9.0\times 10^{-7}$ 8 |
| | | 1396.4 [#] 1 | 100 [#] 28 | 0.0 | 7 ⁺ | E2 | 0.000647 9 | $\alpha=0.000647$ 9; $\alpha(\text{K})=0.000523$ 8; $\alpha(\text{L})=6.20\times 10^{-5}$ 9; $\alpha(\text{M})=1.197\times 10^{-5}$ 17; $\alpha(\text{N}+..)=5.00\times 10^{-5}$ 7 $\alpha(\text{N})=2.19\times 10^{-6}$ 3; $\alpha(\text{O})=1.629\times 10^{-7}$ 23; $\alpha(\text{IPF})=4.77\times 10^{-5}$ 7 |
| 1441.75 | | 873.35 5 | 100 | 568.40 | (6) ⁺ | | | |
| 1482.35 | | 277.48 3 | 100 | 1204.87 | 4 ⁻ , 5 ⁻ , 6 ⁻ | | | |
| 1494.00 | - | 487.94 17 | 100 | 1006.06 | (5,6) | (M1,E2) ^a | 0.00762 15 | $\alpha=0.00762$ 15; $\alpha(\text{K})=0.00659$ 16; $\alpha(\text{L})=0.00084$ 3; $\alpha(\text{M})=0.000163$ 6; $\alpha(\text{N}+..)=3.17\times 10^{-5}$ 9 $\alpha(\text{N})=2.96\times 10^{-5}$ 9; $\alpha(\text{O})=2.10\times 10^{-6}$ 7 Mult.: $\alpha(\text{K})\text{exp}=0.0096$ 22 for 487.19 γ +487.94 γ (1989Kr12). |
| 1507.10 | | 501.10 6 650.74 10 1069.92 6 1140.60 20 | 100 12 89 15 90 16 68 11 | 1006.06 (5,6) 856.266 6,7 ⁻ 437.15 (5) ⁺ 366.52 (5) ⁺ | (5,6) 6,7 ⁻ (5) ⁺ (5) ⁺ | | | |
| 1529.70 | | 773.24 23 | 100 | 756.45 | (4,5) ⁺ | | | |
| 1561.59 | 10 ⁻ | 543.7 [#] 1 | 100 [#] 4 | 1017.93 | 9 ⁻ | M1+E2 | 0.00574 22 | $\alpha=0.00574$ 22; $\alpha(\text{K})=0.00497$ 22; $\alpha(\text{L})=0.000624$ 9; |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | |
|---------------------------------------|-----------------|-----------------------|----------------------|---------|--|--------------------|------------------|--|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult. & | α^\dagger | Comments |
| | | | | | | | | $\alpha(\text{M})=0.0001210$ 18; $\alpha(\text{N}+..)=2.37\times 10^{-5}$ 4 $\alpha(\text{N})=2.21\times 10^{-5}$ 4; $\alpha(\text{O})=1.58\times 10^{-6}$ 8 Mult.: DCO=1.04 4. |
| 1561.59 | 10 ⁻ | 753.6 [#] 7 | 0.46 [#] 11 | 808.072 | 8 ⁻ | (E2) | 0.00235 4 | $\alpha=0.00235$ 4; $\alpha(\text{K})=0.00204$ 3; $\alpha(\text{L})=0.000255$ 4; $\alpha(\text{M})=4.95\times 10^{-5}$ 7; $\alpha(\text{N}+..)=9.65\times 10^{-6}$ 14 $\alpha(\text{N})=9.01\times 10^{-6}$ 13; $\alpha(\text{O})=6.42\times 10^{-7}$ 10 |
| 1562.99 | | 358.12 6 | 100 | 1204.87 | 4 ⁻ , 5 ⁻ , 6 ⁻ | | | |
| 1617.49 | 8 ⁻ | 599.3 [#] 1 | 100 [#] 4 | 1017.93 | 9 ⁻ | M1+E2 ^b | 0.00447 24 | $\alpha=0.00447$ 24; $\alpha(\text{K})=0.00388$ 23; $\alpha(\text{L})=0.000482$ 12; $\alpha(\text{M})=9.35\times 10^{-5}$ 21; $\alpha(\text{N}+..)=1.83\times 10^{-5}$ 6 $\alpha(\text{N})=1.71\times 10^{-5}$ 5; $\alpha(\text{O})=1.23\times 10^{-6}$ 8 Mult.: DCO=1.22 24, DCO($\Delta J=2, \text{Q gated}$)=0.77 15; $\alpha(\text{K})\text{exp}=0.0029$ 4. |
| | | 809.9 [#] 1 | 32.4 [#] 20 | 808.072 | 8 ⁻ | M1+E2 ^b | 0.00215 18 | $\alpha=0.00215$ 18; $\alpha(\text{K})=0.00187$ 16; $\alpha(\text{L})=0.000227$ 15; $\alpha(\text{M})=4.4\times 10^{-5}$ 3; $\alpha(\text{N}+..)=8.6\times 10^{-6}$ 6 $\alpha(\text{N})=8.0\times 10^{-6}$ 6; $\alpha(\text{O})=5.9\times 10^{-7}$ 6 |
| | | 817.4 [#] 1 | 48.0 [#] 20 | 799.851 | 7 ⁻ | M1+E2 ^b | 0.00210 18 | $\alpha=0.00210$ 18; $\alpha(\text{K})=0.00183$ 16; $\alpha(\text{L})=0.000222$ 15; $\alpha(\text{M})=4.3\times 10^{-5}$ 3; $\alpha(\text{N}+..)=8.4\times 10^{-6}$ 6 $\alpha(\text{N})=7.9\times 10^{-6}$ 6; $\alpha(\text{O})=5.8\times 10^{-7}$ 6 Mult.: DCO($\Delta J=2, \text{Q gated}$)=1.03 23. |
| | | 1617.0 [#] 4 | 5.9 [#] 10 | 0.0 | 7 ⁺ | E1 ^b | 0.000541 8 | $\alpha=0.000541$ 8; $\alpha(\text{K})=0.000193$ 3; $\alpha(\text{L})=2.22\times 10^{-5}$ 4; $\alpha(\text{M})=4.28\times 10^{-6}$ 6; $\alpha(\text{N}+..)=0.000322$ 5 $\alpha(\text{N})=7.86\times 10^{-7}$ 11; $\alpha(\text{O})=5.89\times 10^{-8}$ 9; $\alpha(\text{IPF})=0.000321$ 5 |
| 1693.65 | | 186.55 7 | 100 | 1507.10 | | | | |
| 1886.23 | 10 ⁻ | 1078.1 [#] 1 | 100 [#] | 808.072 | 8 ⁻ | E2 ^b | 0.001027 15 | $\alpha=0.001027$ 15; $\alpha(\text{K})=0.000894$ 13; $\alpha(\text{L})=0.0001080$ 16; $\alpha(\text{M})=2.09\times 10^{-5}$ 3; $\alpha(\text{N}+..)=4.10\times 10^{-6}$ $\alpha(\text{N})=3.82\times 10^{-6}$ 6; $\alpha(\text{O})=2.80\times 10^{-7}$ 4 Mult.: DCO($\Delta J=2, \text{Q gated}$)=1.01 12 for doublet. |
| 2110.15 | 10 ⁺ | 713.8 [#] 1 | 100 [#] | 1396.34 | 9 ⁺ | M1+E2 ^b | 0.00290 22 | $\alpha=0.00290$ 22; $\alpha(\text{K})=0.00252$ 20; $\alpha(\text{L})=0.000309$ 16; $\alpha(\text{M})=6.0\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.17\times 10^{-5}$ 7 $\alpha(\text{N})=1.09\times 10^{-5}$ 6; $\alpha(\text{O})=8.0\times 10^{-7}$ 7 |
| 2129.14 | 10 ⁻ | 243.0 [#] 1 | 32.3 [#] 3 | 1886.23 | 10 ⁻ | M1+E2 ^b | 0.057 12 | $\alpha(\text{K})=0.048$ 9; $\alpha(\text{L})=0.0070$ 22; $\alpha(\text{M})=0.0014$ 5; $\alpha(\text{N}+..)=0.00026$ 8 $\alpha(\text{N})=0.00025$ 8; $\alpha(\text{O})=1.6\times 10^{-5}$ 3 |
| | | 567.2 [#] 1 | 100 [#] 6 | 1561.59 | 10 ⁻ | M1+E2 ^b | 0.00514 23 | $\alpha=0.00514$ 23; $\alpha(\text{K})=0.00446$ 22; $\alpha(\text{L})=0.000557$ 9; $\alpha(\text{M})=0.0001081$ 17; $\alpha(\text{N}+..)=2.11\times 10^{-5}$ 5 $\alpha(\text{N})=1.97\times 10^{-5}$ 4; $\alpha(\text{O})=1.42\times 10^{-6}$ 8 |
| | | 732.3 [#] 2 | 25.8 [#] 3 | 1396.34 | 9 ⁺ | E1 ^b | 0.000962 14 | $\alpha=0.000962$ 14; $\alpha(\text{K})=0.000841$ 12; $\alpha(\text{L})=9.87\times 10^{-5}$ 14; $\alpha(\text{M})=1.90\times 10^{-5}$ 3; $\alpha(\text{N}+..)=3.74\times 10^{-6}$ 6 $\alpha(\text{N})=3.48\times 10^{-6}$ 5; $\alpha(\text{O})=2.56\times 10^{-7}$ 4 |
| | | 1111.2 [#] 2 | 48.4 [#] 3 | 1017.93 | 9 ⁻ | M1+E2 ^b | 0.00105 9 | $\alpha=0.00105$ 9; $\alpha(\text{K})=0.00092$ 8; $\alpha(\text{L})=0.000109$ 9; $\alpha(\text{M})=2.11\times 10^{-5}$ |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | |
|---------------------------------------|-----------------|-----------------------|----------------------|---------|-----------------|--------------------|-------------------|--|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult. & | α^\ddagger | Comments |
| 2129.14 | 10 ⁻ | 1321.2 [#] 1 | 87 [#] 6 | 808.072 | 8 ⁻ | E2 ^b | 0.000698 10 | 17; $\alpha(\text{N}+..)=4.8\times 10^{-6}$ 3 $\alpha(\text{N})=3.9\times 10^{-6}$ 3; $\alpha(\text{O})=2.9\times 10^{-7}$ 3; $\alpha(\text{IPF})=6.7\times 10^{-7}$ 6 $\alpha=0.000698$ 10; $\alpha(\text{K})=0.000584$ 9; $\alpha(\text{L})=6.96\times 10^{-5}$ 10; $\alpha(\text{M})=1.343\times 10^{-5}$ 19; $\alpha(\text{N}+..)=3.06\times 10^{-5}$ 5 $\alpha(\text{N})=2.46\times 10^{-6}$ 4; $\alpha(\text{O})=1.82\times 10^{-7}$ 3; $\alpha(\text{IPF})=2.80\times 10^{-5}$ 4 |
| 2174.91 | 11 ⁻ | 613.0 [#] 1 | 100 [#] 3 | 1561.59 | 10 ⁻ | M1+E2 ^b | 0.00422 24 | $\alpha=0.00422$ 24; $\alpha(\text{K})=0.00366$ 23; $\alpha(\text{L})=0.000455$ 13; $\alpha(\text{M})=8.81\times 10^{-5}$ 23; $\alpha(\text{N}+..)=1.73\times 10^{-5}$ 6 $\alpha(\text{N})=1.61\times 10^{-5}$ 5; $\alpha(\text{O})=1.17\times 10^{-6}$ 8 Mult.: DCO=0.94 3. |
| | | 1157.0 [#] 1 | 11.4 [#] 4 | 1017.93 | 9 ⁻ | E2 ^b | 0.000886 13 | $\alpha=0.000886$ 13; $\alpha(\text{K})=0.000769$ 11; $\alpha(\text{L})=9.24\times 10^{-5}$ 13; $\alpha(\text{M})=1.79\times 10^{-5}$ 3; $\alpha(\text{N}+..)=6.31\times 10^{-6}$ 9 $\alpha(\text{N})=3.27\times 10^{-6}$ 5; $\alpha(\text{O})=2.40\times 10^{-7}$ 4; $\alpha(\text{IPF})=2.80\times 10^{-6}$ 4 |
| 2201.99 | 10 ⁻ | 315.6 [#] 1 | 23.0 [#] 14 | 1886.23 | 10 ⁻ | M1+E2 ^b | 0.026 3 | $\alpha(\text{K})=0.0221$ 23; $\alpha(\text{L})=0.0030$ 6; $\alpha(\text{M})=0.00059$ 12; $\alpha(\text{N}+..)=0.000113$ 21 $\alpha(\text{N})=0.000106$ 20; $\alpha(\text{O})=7.1\times 10^{-6}$ 7 Mult.: DCO($\Delta J=2, Q$ gated)=0.98 19. |
| | | 584.4 [#] 1 | 100 [#] 4 | 1617.49 | 8 ⁻ | E2 ^b | 0.00454 7 | $\alpha=0.00454$ 7; $\alpha(\text{K})=0.00392$ 6; $\alpha(\text{L})=0.000508$ 8; $\alpha(\text{M})=9.87\times 10^{-5}$ 14; $\alpha(\text{N}+..)=1.91\times 10^{-5}$ 3 $\alpha(\text{N})=1.79\times 10^{-5}$ 3; $\alpha(\text{O})=1.238\times 10^{-6}$ 18 Mult.: DCO($\Delta J=2, Q$ gated)=0.89 10. |
| | | 640.6 [#] 1 | 37.8 [#] 14 | 1561.59 | 10 ⁻ | M1+E2 ^b | 0.00378 24 | $\alpha=0.00378$ 24; $\alpha(\text{K})=0.00328$ 22; $\alpha(\text{L})=0.000406$ 15; $\alpha(\text{M})=7.9\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.54\times 10^{-5}$ 7 $\alpha(\text{N})=1.44\times 10^{-5}$ 6; $\alpha(\text{O})=1.04\times 10^{-6}$ 8 |
| | | 805.3 [#] 2 | 24.3 [#] 14 | 1396.34 | 9 ⁺ | E1 ^b | 0.000790 11 | $\alpha=0.000790$ 11; $\alpha(\text{K})=0.000690$ 10; $\alpha(\text{L})=8.08\times 10^{-5}$ 12; $\alpha(\text{M})=1.558\times 10^{-5}$ 22; $\alpha(\text{N}+..)=3.06\times 10^{-6}$ $\alpha(\text{N})=2.85\times 10^{-6}$ 4; $\alpha(\text{O})=2.11\times 10^{-7}$ 3 |
| | | 1183.2 [#] 3 | 9.5 [#] 14 | 1017.93 | 9 ⁻ | M1+E2 ^b | 0.00092 8 | $\alpha=0.00092$ 8; $\alpha(\text{K})=0.00080$ 7; $\alpha(\text{L})=9.5\times 10^{-5}$ 8; $\alpha(\text{M})=1.84\times 10^{-5}$ 14; $\alpha(\text{N}+..)=8.36\times 10^{-6}$ 14 $\alpha(\text{N})=3.4\times 10^{-6}$ 3; $\alpha(\text{O})=2.52\times 10^{-7}$ 23; $\alpha(\text{IPF})=4.7\times 10^{-6}$ 4 |
| 2220.65 | 9 ⁻ | 603.2 [#] 1 | 100 [#] 4 | 1617.49 | 8 ⁻ | M1+E2 ^b | 0.00440 24 | $\alpha=0.00440$ 24; $\alpha(\text{K})=0.00381$ 23; $\alpha(\text{L})=0.000474$ 12; $\alpha(\text{M})=9.19\times 10^{-5}$ 22; $\alpha(\text{N}+..)=1.80\times 10^{-5}$ 6 $\alpha(\text{N})=1.68\times 10^{-5}$ 5; $\alpha(\text{O})=1.21\times 10^{-6}$ 8 Mult.: DCO=0.84 19. |
| | | 825.4 [#] 2 | 11.2 [#] 10 | 1396.34 | 9 ⁺ | E1 ^b | 0.000751 11 | $\alpha=0.000751$ 11; $\alpha(\text{K})=0.000657$ 10; $\alpha(\text{L})=7.68\times 10^{-5}$ 11; $\alpha(\text{M})=1.481\times 10^{-5}$ 21; $\alpha(\text{N}+..)=2.91\times 10^{-6}$ $\alpha(\text{N})=2.71\times 10^{-6}$ 4; $\alpha(\text{O})=2.00\times 10^{-7}$ 3 |
| | | 1202.3 [#] 2 | 13.3 [#] 10 | 1017.93 | 9 ⁻ | M1+E2 ^b | 0.00089 8 | $\alpha=0.00089$ 8; $\alpha(\text{K})=0.00077$ 7; $\alpha(\text{L})=9.2\times 10^{-5}$ 7; $\alpha(\text{M})=1.77\times 10^{-5}$ 14; $\alpha(\text{N}+..)=1.03\times 10^{-5}$ 3 $\alpha(\text{N})=3.3\times 10^{-6}$ 3; $\alpha(\text{O})=2.43\times 10^{-7}$ 22; $\alpha(\text{IPF})=6.8\times 10^{-6}$ 5 |
| 2275.59 | 10 ⁻ | 1257.3 [#] 1 | 86 [#] 9 | 1017.93 | 9 ⁻ | M1+E2 ^b | 0.00082 7 | $\alpha=0.00082$ 7; $\alpha(\text{K})=0.00070$ 6; $\alpha(\text{L})=8.3\times 10^{-5}$ 7; $\alpha(\text{M})=1.61\times 10^{-5}$ 12; |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | |
|---------------------------------------|-------------------|-----------------------|----------------------|---------|-------------------|--------------------|-------------------|--|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult.& | α^\ddagger | Comments |
| 2275.59 | 10 ⁻ | 1467.5 [#] 1 | 100 [#] 9 | 808.072 | 8 ⁻ | E2 ^b | 0.000613 9 | $\alpha(\text{N+..})=1.78\times 10^{-5}$ 8 $\alpha(\text{N})=2.95\times 10^{-6}$ 23; $\alpha(\text{O})=2.21\times 10^{-7}$ 20; $\alpha(\text{IPF})=1.46\times 10^{-5}$ 10 $\alpha=0.000613$ 9; $\alpha(\text{K})=0.000474$ 7; $\alpha(\text{L})=5.60\times 10^{-5}$ 8; $\alpha(\text{M})=1.082\times 10^{-5}$ 16; $\alpha(\text{N+..})=7.22\times 10^{-5}$ 11 |
| 2492.59 | (11) ⁻ | 363.3 [#] 1 | 100 [#] | 2129.14 | 10 ⁻ | M1+E2 ^b | 0.0172 12 | $\alpha(\text{N})=1.98\times 10^{-6}$ 3; $\alpha(\text{O})=1.475\times 10^{-7}$ 21; $\alpha(\text{IPF})=7.01\times 10^{-5}$ 10 $\alpha(\text{K})=0.0148$ 9; $\alpha(\text{L})=0.0020$ 3; $\alpha(\text{M})=0.00038$ 6; $\alpha(\text{N+..})=7.4\times 10^{-5}$ 9 $\alpha(\text{N})=6.9\times 10^{-5}$ 9; $\alpha(\text{O})=4.73\times 10^{-6}$ 23 Mult.: DCO=0.96 25. |
| 2596.95 | 12 ⁻ | 104.2 [#] 1 | 4.68 [#] 25 | 2492.59 | (11) ⁻ | M1+E2 ^b | 0.9 5 | $\alpha(\text{K})=0.7$ 3; $\alpha(\text{L})=0.16$ 12; $\alpha(\text{M})=0.032$ 23; $\alpha(\text{N+..})=0.006$ 4 $\alpha(\text{N})=0.006$ 4; $\alpha(\text{O})=0.00024$ 12 |
| | | 421.9 [#] 1 | 100 [#] 3 | 2174.91 | 11 ⁻ | M1+E2 ^b | 0.0113 4 | $\alpha(\text{K})=0.00974$ 20; $\alpha(\text{L})=0.00126$ 10; $\alpha(\text{M})=0.000245$ 21; $\alpha(\text{N+..})=4.8\times 10^{-5}$ 4 $\alpha(\text{N})=4.5\times 10^{-5}$ 4; $\alpha(\text{O})=3.12\times 10^{-6}$ 5 Mult.: DCO=0.87 2. |
| | | 1035.6 [#] 1 | 13.6 [#] 5 | 1561.59 | 10 ⁻ | E2 ^b | 0.001122 16 | $\alpha=0.001122$ 16; $\alpha(\text{K})=0.000976$ 14; $\alpha(\text{L})=0.0001183$ 17; $\alpha(\text{M})=2.29\times 10^{-5}$ 4; $\alpha(\text{N+..})=4.49\times 10^{-6}$ $\alpha(\text{N})=4.18\times 10^{-6}$ 6; $\alpha(\text{O})=3.06\times 10^{-7}$ 5 Mult.: DCO=1.7 4. |
| 2607.45 | 11 ⁻ | 331.5 [#] 1 | 97 [#] 3 | 2275.59 | 10 ⁻ | M1+E2 ^b | 0.0224 22 | $\alpha(\text{K})=0.0192$ 17; $\alpha(\text{L})=0.0026$ 5; $\alpha(\text{M})=0.00051$ 9; $\alpha(\text{N+..})=9.8\times 10^{-5}$ 16 $\alpha(\text{N})=9.1\times 10^{-5}$ 15; $\alpha(\text{O})=6.2\times 10^{-6}$ 5 Mult.: DCO=0.88 16. |
| | | 1046.1 [#] 1 | 90 [#] 7 | 1561.59 | 10 ⁻ | M1+E2 ^b | 0.00120 11 | $\alpha=0.00120$ 11; $\alpha(\text{K})=0.00105$ 10; $\alpha(\text{L})=0.000125$ 10; $\alpha(\text{M})=2.42\times 10^{-5}$ 19; $\alpha(\text{N+..})=4.8\times 10^{-6}$ 4 $\alpha(\text{N})=4.4\times 10^{-6}$ 4; $\alpha(\text{O})=3.3\times 10^{-7}$ 4 |
| | | 1589.9 [#] 1 | 100 [#] 7 | 1017.93 | 9 ⁻ | E2 ^b | 0.000579 9 | $\alpha=0.000579$ 9; $\alpha(\text{K})=0.000405$ 6; $\alpha(\text{L})=4.77\times 10^{-5}$ 7; $\alpha(\text{M})=9.21\times 10^{-6}$ 13; $\alpha(\text{N+..})=0.0001173$ 17 $\alpha(\text{N})=1.689\times 10^{-6}$ 24; $\alpha(\text{O})=1.260\times 10^{-7}$ 18; $\alpha(\text{IPF})=0.0001155$ 17 |
| 2687.0 | (10) ⁺ | 1290.7 [#] 5 | 100 [#] | 1396.34 | 9 ⁺ | M1+E2 ^b | 0.00078 6 | $\alpha=0.00078$ 6; $\alpha(\text{K})=0.00067$ 6; $\alpha(\text{L})=7.9\times 10^{-5}$ 6; $\alpha(\text{M})=1.52\times 10^{-5}$ 12; $\alpha(\text{N+..})=2.33\times 10^{-5}$ 12 $\alpha(\text{N})=2.79\times 10^{-6}$ 21; $\alpha(\text{O})=2.09\times 10^{-7}$ 18; $\alpha(\text{IPF})=2.03\times 10^{-5}$ 14 |
| 2764.86 | 12 ⁻ | 590.1 [#] 1 | 100 [#] 3 | 2174.91 | 11 ⁻ | M1+E2 ^b | 0.00465 24 | $\alpha=0.00465$ 24; $\alpha(\text{K})=0.00403$ 23; $\alpha(\text{L})=0.000502$ 11; $\alpha(\text{M})=9.74\times 10^{-5}$ 20; $\alpha(\text{N+..})=1.91\times 10^{-5}$ 5 $\alpha(\text{N})=1.78\times 10^{-5}$ 5; $\alpha(\text{O})=1.28\times 10^{-6}$ 8 Mult.: DCO=0.99 8. |
| | | 1203.2 [#] 1 | 10.0 [#] 5 | 1561.59 | 10 ⁻ | E2 ^b | 0.000820 12 | $\alpha=0.000820$ 12; $\alpha(\text{K})=0.000708$ 10; $\alpha(\text{L})=8.49\times 10^{-5}$ 12; $\alpha(\text{M})=1.640\times 10^{-5}$ 23; $\alpha(\text{N+..})=1.065\times 10^{-5}$ $\alpha(\text{N})=3.00\times 10^{-6}$ 5; $\alpha(\text{O})=2.21\times 10^{-7}$ 3; $\alpha(\text{IPF})=7.42\times 10^{-6}$ 11 |
| 2798.43 | 11 ⁻ | 578.0 [#] 1 | 100 [#] 4 | 2220.65 | 9 ⁻ | E2 ^b | 0.00468 7 | $\alpha=0.00468$ 7; $\alpha(\text{K})=0.00403$ 6; $\alpha(\text{L})=0.000524$ 8; $\alpha(\text{M})=0.0001019$ 15; |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | |
|---------------------------------------|----------------------|-----------------------|----------------------|---------|--------------------|--------------------|-------------------|---|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult. & | α^\ddagger | Comments |
| 2798.43 | 11 ⁻ | 596.2 [#] 1 | 61.4 [#] 24 | 2201.99 | 10 ⁻ | M1+E2 ^b | 0.00453 24 | $\alpha(\text{N+..})=1.97\times 10^{-5}$ 3 $\alpha(\text{N})=1.85\times 10^{-5}$ 3; $\alpha(\text{O})=1.275\times 10^{-6}$ 18 Mult.: DCO=1.08 14. $\alpha=0.00453$ 24; $\alpha(\text{K})=0.00393$ 23; $\alpha(\text{L})=0.000489$ 12; $\alpha(\text{M})=9.48\times 10^{-5}$ 21; $\alpha(\text{N+..})=1.85\times 10^{-5}$ 6 $\alpha(\text{N})=1.73\times 10^{-5}$ 5; $\alpha(\text{O})=1.25\times 10^{-6}$ 8 Mult.: DCO=0.43 8. |
| | | 669.3 [#] 1 | 13.2 [#] 12 | 2129.14 | 10 ⁻ | M1+E2 ^b | 0.00340 23 | $\alpha=0.00340$ 23; $\alpha(\text{K})=0.00295$ 21; $\alpha(\text{L})=0.000363$ 16; $\alpha(\text{M})=7.0\times 10^{-5}$ 3; $\alpha(\text{N+..})=1.38\times 10^{-5}$ 7 $\alpha(\text{N})=1.29\times 10^{-5}$ 6; $\alpha(\text{O})=9.4\times 10^{-7}$ 8 |
| 2837.98 | 13 ⁻ | 241.1 [#] 1 | 100 [#] 3 | 2596.95 | 12 ⁻ | M1+E2 ^b | 0.058 13 | $\alpha(\text{K})=0.049$ 10; $\alpha(\text{L})=0.0072$ 23; $\alpha(\text{M})=0.0014$ 5; $\alpha(\text{N+..})=0.00027$ 8 $\alpha(\text{N})=0.00025$ 8; $\alpha(\text{O})=1.6\times 10^{-5}$ 3 Mult.: DCO=0.89 2. |
| 2854.35 | (11 ⁺) | 744.2 [#] 2 | 100 [#] 12 | 2110.15 | 10 ⁺ | M1+E2 ^b | 0.00263 21 | $\alpha=0.00263$ 21; $\alpha(\text{K})=0.00228$ 19; $\alpha(\text{L})=0.000279$ 16; $\alpha(\text{M})=5.4\times 10^{-5}$ 3; $\alpha(\text{N+..})=1.06\times 10^{-5}$ 7 $\alpha(\text{N})=9.9\times 10^{-6}$ 6; $\alpha(\text{O})=7.2\times 10^{-7}$ 7 |
| 2901.99 | | 63.9 [#] 1 | 100 [#] | 2837.98 | 13 ⁻ | | | |
| 2908.48 | (12 ⁻) | 301.3 [#] 1 | 100 [#] 3 | 2607.45 | 11 ⁻ | M1+E2 ^b | 0.030 4 | $\alpha(\text{K})=0.025$ 3; $\alpha(\text{L})=0.0035$ 8; $\alpha(\text{M})=0.00068$ 15; $\alpha(\text{N+..})=0.00013$ 3 $\alpha(\text{N})=0.00012$ 3; $\alpha(\text{O})=8.1\times 10^{-6}$ 9 Mult.: DCO=0.89 19. |
| | | 733.4 [#] 1 | 31 [#] 3 | 2174.91 | 11 ⁻ | M1+E2 ^b | 0.00272 21 | $\alpha=0.00272$ 21; $\alpha(\text{K})=0.00236$ 19; $\alpha(\text{L})=0.000289$ 16; $\alpha(\text{M})=5.6\times 10^{-5}$ 3; $\alpha(\text{N+..})=1.10\times 10^{-5}$ 7 $\alpha(\text{N})=1.02\times 10^{-5}$ 6; $\alpha(\text{O})=7.5\times 10^{-7}$ 7 Mult.: DCO=1.2 4. |
| | | 1346.5 [#] 2 | 42 [#] 3 | 1561.59 | 10 ⁻ | E2 ^b | 0.000678 10 | $\alpha=0.000678$ 10; $\alpha(\text{K})=0.000562$ 8; $\alpha(\text{L})=6.69\times 10^{-5}$ 10; $\alpha(\text{M})=1.291\times 10^{-5}$ 18; $\alpha(\text{N+..})=3.66\times 10^{-5}$ 6 $\alpha(\text{N})=2.37\times 10^{-6}$ 4; $\alpha(\text{O})=1.753\times 10^{-7}$ 25; $\alpha(\text{IPF})=3.40\times 10^{-5}$ 5 |
| 3080.00 | 12 ⁻ | 878.0 1 | 100 4 | 2201.99 | 10 ⁻ | E2 ^b | 0.001630 23 | $\alpha=0.001630$ 23; $\alpha(\text{K})=0.001416$ 20; $\alpha(\text{L})=0.0001743$ 25; $\alpha(\text{M})=3.37\times 10^{-5}$ 5; $\alpha(\text{N+..})=6.60\times 10^{-6}$ $\alpha(\text{N})=6.16\times 10^{-6}$ 9; $\alpha(\text{O})=4.45\times 10^{-7}$ 7 Mult.: DCO=1.7 4. |
| 3192.14 | 14 ⁻ | 354.6 [#] 1 | 100 [#] 3 | 2837.98 | 13 ⁻ | M1+E2 ^b | 0.0184 14 | $\alpha(\text{K})=0.0158$ 11; $\alpha(\text{L})=0.0021$ 3; $\alpha(\text{M})=0.00041$ 6; $\alpha(\text{N+..})=7.9\times 10^{-5}$ 11 $\alpha(\text{N})=7.4\times 10^{-5}$ 11; $\alpha(\text{O})=5.1\times 10^{-6}$ 3 Mult.: DCO=0.77 4. |
| 3196.98 | (13 ⁻) | 288.5 [#] 1 | 100 [#] 5 | 2908.48 | (12 ⁻) | M1+E2 ^b | 0.034 5 | $\alpha(\text{K})=0.029$ 4; $\alpha(\text{L})=0.0040$ 10; $\alpha(\text{M})=0.00078$ 19; $\alpha(\text{N+..})=0.00015$ 4 $\alpha(\text{N})=0.00014$ 4; $\alpha(\text{O})=9.3\times 10^{-6}$ 11 Mult.: DCO=0.92 5. |
| 3245.11 | (10,11) ⁻ | 1070.1 [#] 1 | 100 [#] 9 | 2174.91 | 11 ⁻ | M1+E2 ^b | 0.00114 10 | $\alpha=0.00114$ 10; $\alpha(\text{K})=0.00100$ 9; $\alpha(\text{L})=0.000119$ 10; $\alpha(\text{M})=2.30\times 10^{-5}$ |

Adopted Levels, Gammas (continued)

γ(¹¹⁰In) (continued)

| <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>α[†]</u> | <u>Comments</u> |
|-----------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------|----------------------------------|--------------------|----------------------|--|
| 3245.11 | (10,11) ⁻ | 1115.9 [#] 1 | 100 [#] 9 | 2129.14 | 10 ⁻ | M1+E2 ^b | 0.00104 9 | 18; α(N+..)=4.5×10 ⁻⁶ 4 α(N)=4.2×10 ⁻⁶ 4; α(O)=3.1×10 ⁻⁷ 3 α=0.00104 9; α(K)=0.00091 8; α(L)=0.000108 9; α(M)=2.09×10 ⁻⁵ 16; α(N+..)=4.9×10 ⁻⁶ 3 α(N)=3.8×10 ⁻⁶ 3; α(O)=2.9×10 ⁻⁷ 3; α(IPF)=7.9×10 ⁻⁷ 7 |
| | | 1684.1 [#] 5 | 18 [#] 9 | 1561.59 | 10 ⁻ | M1+E2 ^b | 0.000591 23 | α=0.000591 23; α(K)=0.000386 25; α(L)=4.5×10 ⁻⁵ 3; α(M)=8.7×10 ⁻⁶ 6; α(N+..)=0.000151 6 α(N)=1.60×10 ⁻⁶ 10; α(O)=1.21×10 ⁻⁷ 9; α(IPF)=0.000149 6 |
| 3326.98 | 11 ⁺ | 1765.5 [#] 1 | 100 [#] | 1561.59 | 10 ⁻ | E1 ^b | 0.000625 9 | α=0.000625 9; α(K)=0.0001675 24; α(L)=1.93×10 ⁻⁵ 3; α(M)=3.71×10 ⁻⁶ 6; α(N+..)=0.000435 6 α(N)=6.80×10 ⁻⁷ 10; α(O)=5.10×10 ⁻⁸ 8; α(IPF)=0.000434 6 |
| 3344.78 | (14) ⁻ | 506.8 [#] 1 | 100 [#] 5 | 2837.98 | 13 ⁻ | M1+E2 ^b | 0.00689 18 | α=0.00689 18; α(K)=0.00596 19; α(L)=0.000755 19; α(M)=0.000146 4; α(N+..)=2.86×10 ⁻⁵ 6 α(N)=2.67×10 ⁻⁵ 6; α(O)=1.90×10 ⁻⁶ 8 |
| 3371.31 | 13 ⁻ | 1196.4 [#] 2 | 100 [#] | 2174.91 | 11 ⁻ | E2 ^b | 0.000829 12 | α=0.000829 12; α(K)=0.000717 10; α(L)=8.59×10 ⁻⁵ 12; α(M)=1.660×10 ⁻⁵ 24; α(N+..)=9.84×10 ⁻⁶ α(N)=3.04×10 ⁻⁶ 5; α(O)=2.24×10 ⁻⁷ 4; α(IPF)=6.58×10 ⁻⁶ 10 |
| 3373.9 | | 609 1 | | 2764.86 | 12 ⁻ | | | |
| 3438.41 | | 536.0 [#] 2 | 100 [#] | 2901.99 | | | | |
| 3512.46 | 12 ⁺ | 185.6 [#] 1 | 6.3 [#] 6 | 3326.98 | 11 ⁺ | M1+E2 ^b | 0.13 4 | α(K)=0.11 3; α(L)=0.018 8; α(M)=0.0035 16; α(N+..)=0.0007 3 α(N)=0.0006 3; α(O)=3.6×10 ⁻⁵ 10 Mult.: DCO=1.29 24. |
| | | 267.2 [#] 1 | 13.3 [#] 6 | 3245.11 | (10,11) ⁻ | E1 ^b | 0.01109 | α(K)=0.00966 14; α(L)=0.001164 17; α(M)=0.000224 4; α(N+..)=4.37×10 ⁻⁵ 7 α(N)=4.08×10 ⁻⁵ 6; α(O)=2.87×10 ⁻⁶ 4 Mult.: DCO=0.85 9. |
| | | 610.7 ^{#d} 1 | 6.3 [#] 6 | 2901.99 | | | | |
| | | 1337.7 [#] 1 | 100 [#] 3 | 2174.91 | 11 ⁻ | E1 ^b | 0.000418 6 | α=0.000418 6; α(K)=0.000266 4; α(L)=3.07×10 ⁻⁵ 5; α(M)=5.92×10 ⁻⁶ 9; α(N+..)=0.0001154 17 α(N)=1.086×10 ⁻⁶ 16; α(O)=8.11×10 ⁻⁸ 12; α(IPF)=0.0001142 16 Mult.: DCO=1.22 20. |
| 3629.03 | 13 ⁻ | 830.6 [#] 1 | 100 [#] | 2798.43 | 11 ⁻ | E2 ^b | 0.00186 3 | α=0.00186 3; α(K)=0.001612 23; α(L)=0.000200 3; α(M)=3.87×10 ⁻⁵ 6; α(N+..)=7.56×10 ⁻⁶ 11 α(N)=7.05×10 ⁻⁶ 10; α(O)=5.07×10 ⁻⁷ 7 Mult.: DCO(ΔJ=2,Q gated)=1.12 12. |
| 3697.69 | 12 ⁻ | 1522.6 [#] 1 | 100 [#] 8 | 2174.91 | 11 ⁻ | M1+E2 ^b | 0.00063 4 | α=0.00063 4; α(K)=0.00047 4; α(L)=5.6×10 ⁻⁵ 4; α(M)=1.07×10 ⁻⁵ 8; α(N+..)=8.8×10 ⁻⁵ 4 α(N)=1.97×10 ⁻⁶ 14; α(O)=1.48×10 ⁻⁷ 12; α(IPF)=8.6×10 ⁻⁵ 5 |
| | | 1587.4 ^d | | 2110.15 | 10 ⁺ | | | E _γ -Mult.: From level-energy difference, transition shown in ⁹⁶ Zr(¹⁹ F,5ny). mult=[M2] suggested by the authors. |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | |
|---------------------------------------|--------------------|-----------------------|----------------------|---------|--------------------|--------------------|------------------|--|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult.& | α^\dagger | Comments |
| 3713.24 | 15 ⁻ | 521.1 [#] 1 | 100 [#] | 3192.14 | 14 ⁻ | M1+E2 ^b | 0.00641 19 | $\alpha=0.00641$ 19; $\alpha(\text{K})=0.00554$ 20; $\alpha(\text{L})=0.000699$ 14; $\alpha(\text{M})=0.000136$ 3; $\alpha(\text{N}+..)=2.65\times 10^{-5}$ 4 $\alpha(\text{N})=2.47\times 10^{-5}$ 5; $\alpha(\text{O})=1.77\times 10^{-6}$ 8 Mult.: DCO=0.62 7. |
| 3719.82 | 13 ⁺ | 207.5 [#] 1 | 100 [#] 3 | 3512.46 | 12 ⁺ | M1+E2 ^b | 0.093 25 | $\alpha(\text{K})=0.078$ 19; $\alpha(\text{L})=0.012$ 5; $\alpha(\text{M})=0.0024$ 10; $\alpha(\text{N}+..)=0.00045$ 17 $\alpha(\text{N})=0.00042$ 16; $\alpha(\text{O})=2.5\times 10^{-5}$ 6 Mult.: DCO=1.02 5. |
| | | 281.3 [#] 1 | 3.6 [#] 6 | 3438.41 | | | | |
| | | 955.3 [#] 1 | 37.9 [#] 12 | 2764.86 | 12 ⁻ | E1 ^b | 0.000563 8 | $\alpha=0.000563$ 8; $\alpha(\text{K})=0.000492$ 7; $\alpha(\text{L})=5.74\times 10^{-5}$ 8; $\alpha(\text{M})=1.105\times 10^{-5}$ 16; $\alpha(\text{N}+..)=2.17\times 10^{-6}$ 3 $\alpha(\text{N})=2.02\times 10^{-6}$ 3; $\alpha(\text{O})=1.502\times 10^{-7}$ 21 Mult.: DCO=0.88 21. |
| | | 1122.7 [#] 1 | 8.3 [#] 6 | 2596.95 | 12 ⁻ | E1 ^b | 0.000423 6 | $\alpha=0.000423$ 6; $\alpha(\text{K})=0.000363$ 5; $\alpha(\text{L})=4.22\times 10^{-5}$ 6; $\alpha(\text{M})=8.12\times 10^{-6}$ 12; $\alpha(\text{N}+..)=8.93\times 10^{-6}$ 13 $\alpha(\text{N})=1.489\times 10^{-6}$ 21; $\alpha(\text{O})=1.109\times 10^{-7}$ 16; $\alpha(\text{IPF})=7.33\times 10^{-6}$ 11 Mult.: DCO=1.0 3. |
| 3732.99 | (14 ⁻) | 536.0 [#] 1 | 100 [#] | 3196.98 | (13 ⁻) | M1+E2 ^b | 0.00595 21 | $\alpha=0.00595$ 21; $\alpha(\text{K})=0.00515$ 21; $\alpha(\text{L})=0.000648$ 10; $\alpha(\text{M})=0.0001258$ 21; $\alpha(\text{N}+..)=2.46\times 10^{-5}$ $\alpha(\text{N})=2.29\times 10^{-5}$ 4; $\alpha(\text{O})=1.64\times 10^{-6}$ 8 |
| 3821.18 | (15 ⁻) | 476.4 [#] 1 | 100 [#] | 3344.78 | (14 ⁻) | M1+E2 ^b | 0.00812 13 | $\alpha=0.00812$ 13; $\alpha(\text{K})=0.00702$ 14; $\alpha(\text{L})=0.00089$ 4; $\alpha(\text{M})=0.000174$ 8; $\alpha(\text{N}+..)=3.39\times 10^{-5}$ 12 $\alpha(\text{N})=3.16\times 10^{-5}$ 12; $\alpha(\text{O})=2.24\times 10^{-6}$ 6 |
| 3833.00 | (14 ⁻) | 753.0 [#] 1 | 100 [#] | 3080.00 | 12 ⁻ | E2 ^b | 0.00236 4 | $\alpha=0.00236$ 4; $\alpha(\text{K})=0.00204$ 3; $\alpha(\text{L})=0.000256$ 4; $\alpha(\text{M})=4.96\times 10^{-5}$ 7; $\alpha(\text{N}+..)=9.67\times 10^{-6}$ 14 $\alpha(\text{N})=9.03\times 10^{-6}$ 13; $\alpha(\text{O})=6.43\times 10^{-7}$ 9 |
| 3914.94 | 13 ⁺ | 217.2 [#] 1 | 22 [#] 2 | 3697.69 | 12 ⁻ | E1 ^b | 0.0195 | $\alpha(\text{K})=0.01699$ 24; $\alpha(\text{L})=0.00206$ 3; $\alpha(\text{M})=0.000397$ 6; $\alpha(\text{N}+..)=7.70\times 10^{-5}$ 11 $\alpha(\text{N})=7.20\times 10^{-5}$ 11; $\alpha(\text{O})=5.00\times 10^{-6}$ 7 Mult.: DCO=0.97 11. |
| | | 1077.6 [#] 2 | 16 [#] 2 | 2837.98 | 13 ⁻ | E1 ^b | 0.000448 7 | $\alpha=0.000448$ 7; $\alpha(\text{K})=0.000392$ 6; $\alpha(\text{L})=4.55\times 10^{-5}$ 7; $\alpha(\text{M})=8.77\times 10^{-6}$ 13; $\alpha(\text{N}+..)=1.727\times 10^{-6}$ 25 $\alpha(\text{N})=1.608\times 10^{-6}$ 23; $\alpha(\text{O})=1.196\times 10^{-7}$ 17 |
| | | 1318.0 [#] 1 | 100 [#] 4 | 2596.95 | 12 ⁻ | E1 ^b | 0.000413 6 | $\alpha=0.000413$ 6; $\alpha(\text{K})=0.000273$ 4; $\alpha(\text{L})=3.16\times 10^{-5}$ 5; $\alpha(\text{M})=6.08\times 10^{-6}$ 9; $\alpha(\text{N}+..)=0.0001027$ 15 $\alpha(\text{N})=1.114\times 10^{-6}$ 16; $\alpha(\text{O})=8.32\times 10^{-8}$ 12; $\alpha(\text{IPF})=0.0001015$ 15 Mult.: DCO=0.93 19. |
| 3943.39 | 14 ⁺ | 223.8 [#] 1 | 100 [#] 3 | 3719.82 | 13 ⁺ | M1+E2 ^b | 0.073 18 | $\alpha(\text{K})=0.062$ 14; $\alpha(\text{L})=0.009$ 4; $\alpha(\text{M})=0.0018$ 7; $\alpha(\text{N}+..)=0.00035$ 12 |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | |
|---------------------------------------|---|---------------------|---------------------|---------|-----------------|--------------------|------------------|---|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult.& | α^\dagger | Comments |
| | | | | | | | | $\alpha(\text{N})=0.00033$ 12; $\alpha(\text{O})=2.0\times 10^{-5}$ 5 Mult.: DCO=0.90 3. |
| 3943.39 | 14 ⁺ | 1105.0# 1 | 7.5# 4 | 2837.98 | 13 ⁻ | E1 ^b | 0.000432 6 | $\alpha=0.000432$ 6; $\alpha(\text{K})=0.000374$ 6; $\alpha(\text{L})=4.34\times 10^{-5}$ 6; $\alpha(\text{M})=8.37\times 10^{-6}$ 12; $\alpha(\text{N}+..)=6.11\times 10^{-6}$ 9 |
| 3995.62 | 13 ⁻ | 297.8# 1 | 26.2# 24 | 3697.69 | 12 ⁻ | M1+E2 ^b | 0.031 5 | $\alpha(\text{N})=1.534\times 10^{-6}$ 22; $\alpha(\text{O})=1.142\times 10^{-7}$ 16; $\alpha(\text{IPF})=4.46\times 10^{-6}$ 7 $\alpha(\text{K})=0.026$ 4; $\alpha(\text{L})=0.0036$ 8; $\alpha(\text{M})=0.00071$ 16; $\alpha(\text{N}+..)=0.00014$ 3 $\alpha(\text{N})=0.00013$ 3; $\alpha(\text{O})=8.4\times 10^{-6}$ 9 Mult.: DCO=0.63 10. |
| | | 1230.5# 1 | 100# 5 | 2764.86 | 12 ⁻ | M1+E2 ^b | 0.00085 7 | $\alpha=0.00085$ 7; $\alpha(\text{K})=0.00074$ 7; $\alpha(\text{L})=8.7\times 10^{-5}$ 7; $\alpha(\text{M})=1.69\times 10^{-5}$ 13; $\alpha(\text{N}+..)=1.38\times 10^{-5}$ 6 |
| 4081.70 | 14 ⁺ | 166.9# 1 | 81.1# 19 | 3914.94 | 13 ⁺ | M1+E2 ^b | 0.19 7 | $\alpha(\text{N})=3.09\times 10^{-6}$ 24; $\alpha(\text{O})=2.31\times 10^{-7}$ 21; $\alpha(\text{IPF})=1.05\times 10^{-5}$ 8 $\alpha(\text{K})=0.16$ 5; $\alpha(\text{L})=0.026$ 13; $\alpha(\text{M})=0.005$ 3; $\alpha(\text{N}+..)=0.0010$ 5 $\alpha(\text{N})=0.0009$ 5; $\alpha(\text{O})=5.1\times 10^{-5}$ 16 Mult.: DCO=0.68 8. |
| | | 1243.8# 1 | 100# 4 | 2837.98 | 13 ⁻ | E1 ^b | 0.000404 6 | $\alpha=0.000404$ 6; $\alpha(\text{K})=0.000302$ 5; $\alpha(\text{L})=3.50\times 10^{-5}$ 5; $\alpha(\text{M})=6.74\times 10^{-6}$ 10; $\alpha(\text{N}+..)=6.00\times 10^{-5}$ 9 $\alpha(\text{N})=1.235\times 10^{-6}$ 18; $\alpha(\text{O})=9.22\times 10^{-8}$ 13; $\alpha(\text{IPF})=5.86\times 10^{-5}$ 9 Mult.: DCO=0.87 15. |
| 4156.50 | 14 ⁻ | 1076.5# 1 | 100# | 3080.00 | 12 ⁻ | E2 ^b | 0.001030 15 | $\alpha=0.001030$ 15; $\alpha(\text{K})=0.000897$ 13; $\alpha(\text{L})=0.0001084$ 16; $\alpha(\text{M})=2.10\times 10^{-5}$ 3; $\alpha(\text{N}+..)=4.11\times 10^{-6}$ $\alpha(\text{N})=3.83\times 10^{-6}$ 6; $\alpha(\text{O})=2.81\times 10^{-7}$ 4 Mult.: DCO($\Delta J=2, Q$ gated)=1.01 12 for doublet. |
| 4228.98 | 15 ⁺ | 147.4# 1 | 1.9# 4 | 4081.70 | 14 ⁺ | M1+E2 ^b | 0.28 11 | $\alpha(\text{K})=0.23$ 8; $\alpha(\text{L})=0.042$ 23; $\alpha(\text{M})=0.008$ 5; $\alpha(\text{N}+..)=0.0015$ 9 $\alpha(\text{N})=0.0015$ 8; $\alpha(\text{O})=8.E-5$ 3 |
| | | 285.4# 1 | 100# 3 | 3943.39 | 14 ⁺ | M1+E2 ^b | 0.035 6 | $\alpha(\text{K})=0.030$ 4; $\alpha(\text{L})=0.0041$ 10; $\alpha(\text{M})=0.00081$ 20; $\alpha(\text{N}+..)=0.00016$ 4 $\alpha(\text{N})=0.00015$ 4; $\alpha(\text{O})=9.6\times 10^{-6}$ 12 Mult.: DCO=0.85 3. |
| 4263.99 | 14 ⁻ | 268.0# 1 | 100# 3 | 3995.62 | 13 ⁻ | M1+E2 ^b | 0.042 8 | $\alpha(\text{K})=0.036$ 6; $\alpha(\text{L})=0.0051$ 14; $\alpha(\text{M})=0.0010$ 3; $\alpha(\text{N}+..)=0.00019$ 5 $\alpha(\text{N})=0.00018$ 5; $\alpha(\text{O})=1.15\times 10^{-5}$ 17 Mult.: DCO=0.68 11. |
| | | 1425.6# 2 | 26# 3 | 2837.98 | 13 ⁻ | M1+E2 ^b | 0.00067 5 | $\alpha=0.00067$ 5; $\alpha(\text{K})=0.00054$ 4; $\alpha(\text{L})=6.4\times 10^{-5}$ 5; $\alpha(\text{M})=1.23\times 10^{-5}$ 9; $\alpha(\text{N}+..)=5.6\times 10^{-5}$ 3 $\alpha(\text{N})=2.26\times 10^{-6}$ 16; $\alpha(\text{O})=1.70\times 10^{-7}$ 14; $\alpha(\text{IPF})=5.4\times 10^{-5}$ 3 |
| 4323.05 | 13 ⁻ , 14 ⁻ , 15 ⁻ | 1130.9# 2 | 100# 10 | 3192.14 | 14 ⁻ | M1+E2 ^b | 0.00101 9 | $\alpha=0.00101$ 9; $\alpha(\text{K})=0.00088$ 8; $\alpha(\text{L})=0.000105$ 8; $\alpha(\text{M})=2.03\times 10^{-5}$ 16; $\alpha(\text{N}+..)=5.27\times 10^{-6}$ 23 $\alpha(\text{N})=3.7\times 10^{-6}$ 3; $\alpha(\text{O})=2.8\times 10^{-7}$ 3; $\alpha(\text{IPF})=1.27\times 10^{-6}$ 11 |
| 4370.60 | 15 ⁺ | 289.0# 1 | 100# | 4081.70 | 14 ⁺ | M1+E2 ^b | 0.034 5 | $\alpha(\text{K})=0.029$ 4; $\alpha(\text{L})=0.0040$ 10; $\alpha(\text{M})=0.00078$ 19; $\alpha(\text{N}+..)=0.00015$ 4 |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | |
|---------------------------------------|--------------------|-----------------------|----------------------|---------|--------------------|--------------------|-------------------|--|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult.& | α^\ddagger | Comments |
| 4370.60 | 15 ⁺ | 1178.3 [#] 2 | 8.6 [#] 11 | 3192.14 | 14 ⁻ | E1 ^b | 0.000405 6 | $\alpha(\text{N})=0.00014$ 4; $\alpha(\text{O})=9.2\times 10^{-6}$ 11 Mult.: DCO=0.92 5. |
| 4528.31 | 16 ⁻ | 815.0 [#] 1 | 100 [#] | 3713.24 | 15 ⁻ | M1+E2 ^b | 0.00212 18 | $\alpha=0.000405$ 6; $\alpha(\text{K})=0.000333$ 5; $\alpha(\text{L})=3.86\times 10^{-5}$ 6; $\alpha(\text{M})=7.43\times 10^{-6}$ 11; $\alpha(\text{N}+..)=2.63\times 10^{-5}$ 4 $\alpha(\text{N})=1.363\times 10^{-6}$ 19; $\alpha(\text{O})=1.015\times 10^{-7}$ 15; $\alpha(\text{IPF})=2.49\times 10^{-5}$ 4 $\alpha=0.00212$ 18; $\alpha(\text{K})=0.00184$ 16; $\alpha(\text{L})=0.000223$ 15; $\alpha(\text{M})=4.3\times 10^{-5}$ 3; $\alpha(\text{N}+..)=8.5\times 10^{-6}$ 6 $\alpha(\text{N})=7.9\times 10^{-6}$ 6; $\alpha(\text{O})=5.8\times 10^{-7}$ 6 Mult.: DCO=1.3 3. |
| 4561.77 | 15 ⁽⁻⁾ | 297.3 [#] 1 | 100 [#] 4 | 4263.99 | 14 ⁻ | M1+E2 ^b | 0.031 5 | $\alpha(\text{K})=0.026$ 4; $\alpha(\text{L})=0.0036$ 8; $\alpha(\text{M})=0.00071$ 16; $\alpha(\text{N}+..)=0.00014$ 3 $\alpha(\text{N})=0.00013$ 3; $\alpha(\text{O})=8.5\times 10^{-6}$ 10 Mult.: DCO=0.63 10. |
| | | 1370.1 [#] 1 | 29.2 [#] 21 | 3192.14 | 14 ⁻ | M1+E2 ^b | 0.00071 5 | $\alpha=0.00071$ 5; $\alpha(\text{K})=0.00059$ 5; $\alpha(\text{L})=6.9\times 10^{-5}$ 5; $\alpha(\text{M})=1.34\times 10^{-5}$ 10; $\alpha(\text{N}+..)=4.06\times 10^{-5}$ 21 $\alpha(\text{N})=2.46\times 10^{-6}$ 18; $\alpha(\text{O})=1.84\times 10^{-7}$ 16; $\alpha(\text{IPF})=3.80\times 10^{-5}$ 23 |
| 4598.02 | 16 ⁺ | 369.0 [#] 1 | 100 [#] | 4228.98 | 15 ⁺ | M1+E2 ^b | 0.0164 11 | $\alpha(\text{K})=0.0141$ 8; $\alpha(\text{L})=0.00187$ 24; $\alpha(\text{M})=0.00036$ 5; $\alpha(\text{N}+..)=7.1\times 10^{-5}$ 9 $\alpha(\text{N})=6.6\times 10^{-5}$ 8; $\alpha(\text{O})=4.53\times 10^{-6}$ 20 Mult.: DCO=0.69 5. |
| 4602.10 | (16 ⁻) | 769.1 [#] 1 | 100 [#] | 3833.00 | (14 ⁻) | E2 ^b | 0.00224 4 | $\alpha=0.00224$ 4; $\alpha(\text{K})=0.00194$ 3; $\alpha(\text{L})=0.000242$ 4; $\alpha(\text{M})=4.69\times 10^{-5}$ 7; $\alpha(\text{N}+..)=9.16\times 10^{-6}$ 13 $\alpha(\text{N})=8.55\times 10^{-6}$ 12; $\alpha(\text{O})=6.10\times 10^{-7}$ 9 |
| 4606.03 | 15 ⁻ | 977.0 [#] 1 | 100 [#] | 3629.03 | 13 ⁻ | E2 ^b | 0.001277 18 | $\alpha=0.001277$ 18; $\alpha(\text{K})=0.001110$ 16; $\alpha(\text{L})=0.0001353$ 19; $\alpha(\text{M})=2.62\times 10^{-5}$ 4; $\alpha(\text{N}+..)=5.13\times 10^{-6}$ 5 $\alpha(\text{N})=4.78\times 10^{-6}$ 7; $\alpha(\text{O})=3.48\times 10^{-7}$ 5 |
| 4802.89 | (17 ⁻) | 981.7 [#] 1 | 100 [#] | 3821.18 | (15 ⁻) | E2 ^b | 0.001263 18 | $\alpha=0.001263$ 18; $\alpha(\text{K})=0.001098$ 16; $\alpha(\text{L})=0.0001338$ 19; $\alpha(\text{M})=2.59\times 10^{-5}$ 4; $\alpha(\text{N}+..)=5.07\times 10^{-6}$ 5 $\alpha(\text{N})=4.73\times 10^{-6}$ 7; $\alpha(\text{O})=3.44\times 10^{-7}$ 5 |
| 4802.95 | 16 ⁺ | 432.4 [#] 1 | 100 [#] | 4370.60 | 15 ⁺ | M1+E2 ^b | 0.01056 24 | $\alpha(\text{K})=0.00911$ 15; $\alpha(\text{L})=0.00118$ 9; $\alpha(\text{M})=0.000229$ 17; $\alpha(\text{N}+..)=4.4\times 10^{-5}$ 3 $\alpha(\text{N})=4.2\times 10^{-5}$ 3; $\alpha(\text{O})=2.91\times 10^{-6}$ 4 Mult.: DCO=0.75 21. |
| 4942.2 | 16 ⁻ | 1750.0 [#] 3 | 100 [#] | 3192.14 | 14 ⁻ | E2 ^b | 0.000570 8 | $\alpha=0.000570$ 8; $\alpha(\text{K})=0.000337$ 5; $\alpha(\text{L})=3.96\times 10^{-5}$ 6; $\alpha(\text{M})=7.63\times 10^{-6}$ 11; $\alpha(\text{N}+..)=0.000185$ 3 $\alpha(\text{N})=1.400\times 10^{-6}$ 20; $\alpha(\text{O})=1.048\times 10^{-7}$ 15; $\alpha(\text{IPF})=0.000184$ 3 |
| 4995.57 | 16 ⁽⁻⁾ | 433.8 [#] 1 | 100 [#] 4 | 4561.77 | 15 ⁽⁻⁾ | M1+E2 ^b | 0.01047 23 | $\alpha(\text{K})=0.00903$ 15; $\alpha(\text{L})=0.00117$ 9; $\alpha(\text{M})=0.000227$ 17; $\alpha(\text{N}+..)=4.4\times 10^{-5}$ 3 $\alpha(\text{N})=4.1\times 10^{-5}$ 3; $\alpha(\text{O})=2.89\times 10^{-6}$ 4 Mult.: DCO=0.53 11. |

Adopted Levels, Gammas (continued)

| $\gamma(^{110}\text{In})$ (continued) | | | | | | | | |
|---------------------------------------|---|---------------------|---------------------|---------|-------------------|--------------------|------------------|--|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult.& | α^\dagger | Comments |
| 5045.60 | 13 ⁺ ,14 ⁺ ,15 ⁺ | 1102.2# 1 | 100# | 3943.39 | 14 ⁺ | M1+E2 ^b | 0.00107 10 | $\alpha=0.00107$ 10; $\alpha(\text{K})=0.00093$ 9; $\alpha(\text{L})=0.000111$ 9; $\alpha(\text{M})=2.15\times 10^{-5}$ 17; $\alpha(\text{N+..})=4.7\times 10^{-6}$ 3 $\alpha(\text{N})=3.9\times 10^{-6}$ 3; $\alpha(\text{O})=2.9\times 10^{-7}$ 3; $\alpha(\text{IPF})=4.9\times 10^{-7}$ 4 |
| 5084.90 | 17 ⁺ | 486.9# 1 | 100# 3 | 4598.02 | 16 ⁺ | M1+E2 ^b | 0.00766 14 | $\alpha=0.00766$ 14; $\alpha(\text{K})=0.00662$ 16; $\alpha(\text{L})=0.00084$ 3; $\alpha(\text{M})=0.000164$ 7; $\alpha(\text{N+..})=3.19\times 10^{-5}$ 9 $\alpha(\text{N})=2.98\times 10^{-5}$ 10; $\alpha(\text{O})=2.12\times 10^{-6}$ 7 |
| | | 855.9# 1 | 8.1# 5 | 4228.98 | 15 ⁺ | E2 ^b | 0.001730 25 | $\alpha=0.001730$ 25; $\alpha(\text{K})=0.001502$ 21; $\alpha(\text{L})=0.000185$ 3; $\alpha(\text{M})=3.59\times 10^{-5}$ 5; $\alpha(\text{N+..})=7.02\times 10^{-6}$ 10 $\alpha(\text{N})=6.55\times 10^{-6}$ 10; $\alpha(\text{O})=4.72\times 10^{-7}$ 7 B(E2)(W.u.)=18.5 +25-31 |
| 5180.81 | 16 ⁻ | 1024.3# 1 | 100# | 4156.50 | 14 ⁻ | E2 ^b | 0.001149 16 | $\alpha=0.001149$ 16; $\alpha(\text{K})=0.001000$ 14; $\alpha(\text{L})=0.0001213$ 17; $\alpha(\text{M})=2.35\times 10^{-5}$ 4; $\alpha(\text{N+..})=4.60\times 10^{-6}$ $\alpha(\text{N})=4.29\times 10^{-6}$ 6; $\alpha(\text{O})=3.13\times 10^{-7}$ 5 Mult.: DCO($\Delta\text{J}=2,\text{Q gated}$)=0.96 12. |
| 5265.18 | 17 ⁻ | 736.8# 1 | 100# 4 | 4528.31 | 16 ⁻ | M1+E2 ^b | 0.00269 21 | $\alpha=0.00269$ 21; $\alpha(\text{K})=0.00234$ 19; $\alpha(\text{L})=0.000286$ 16; $\alpha(\text{M})=5.5\times 10^{-5}$ 3; $\alpha(\text{N+..})=1.09\times 10^{-5}$ 7 $\alpha(\text{N})=1.01\times 10^{-5}$ 6; $\alpha(\text{O})=7.4\times 10^{-7}$ 7 Mult.: DCO=0.84 13. |
| | | 1552.0# 2 | 35# 4 | 3713.24 | 15 ⁻ | E2 ^b | 0.000587 9 | $\alpha=0.000587$ 9; $\alpha(\text{K})=0.000425$ 6; $\alpha(\text{L})=5.01\times 10^{-5}$ 7; $\alpha(\text{M})=9.67\times 10^{-6}$ 14; $\alpha(\text{N+..})=0.0001025$ 15 $\alpha(\text{N})=1.772\times 10^{-6}$ 25; $\alpha(\text{O})=1.321\times 10^{-7}$ 19; $\alpha(\text{IPF})=0.0001006$ 15 |
| 5283.39 | 17 ⁽⁺⁾ | 480.5# 1 | 100# 3 | 4802.95 | 16 ⁺ | M1+E2 ^b | 0.00794 14 | $\alpha=0.00794$ 14; $\alpha(\text{K})=0.00686$ 15; $\alpha(\text{L})=0.00087$ 4; $\alpha(\text{M})=0.000170$ 7; $\alpha(\text{N+..})=3.31\times 10^{-5}$ 11 $\alpha(\text{N})=3.09\times 10^{-5}$ 11; $\alpha(\text{O})=2.19\times 10^{-6}$ 7 |
| 5403.27 | 17 ⁻ | 1690.2# 2 | 100# | 3713.24 | 15 ⁻ | E2 ^b | 0.000570 8 | $\alpha=0.000570$ 8; $\alpha(\text{K})=0.000360$ 5; $\alpha(\text{L})=4.23\times 10^{-5}$ 6; $\alpha(\text{M})=8.17\times 10^{-6}$ 12; $\alpha(\text{N+..})=0.0001590$ 23 $\alpha(\text{N})=1.498\times 10^{-6}$ 21; $\alpha(\text{O})=1.120\times 10^{-7}$ 16; $\alpha(\text{IPF})=0.0001574$ 22 |
| 5545.88 | (17 ⁻) | 550.3# 1 | 100# | 4995.57 | 16 ⁽⁻⁾ | M1+E2 ^b | 0.00556 22 | $\alpha=0.00556$ 22; $\alpha(\text{K})=0.00482$ 22; $\alpha(\text{L})=0.000604$ 9; $\alpha(\text{M})=0.0001172$ 17; $\alpha(\text{N+..})=2.29\times 10^{-5}$ 4 $\alpha(\text{N})=2.14\times 10^{-5}$ 4; $\alpha(\text{O})=1.54\times 10^{-6}$ 8 |
| 5556.44 | 17 ⁽⁻⁾ | 950.4# 1 | 100# | 4606.03 | 15 ⁻ | E2 ^b | 0.001359 19 | $\alpha=0.001359$ 19; $\alpha(\text{K})=0.001181$ 17; $\alpha(\text{L})=0.0001443$ 21; $\alpha(\text{M})=2.79\times 10^{-5}$ 4; $\alpha(\text{N+..})=5.47\times 10^{-6}$ $\alpha(\text{N})=5.10\times 10^{-6}$ 8; $\alpha(\text{O})=3.71\times 10^{-7}$ 6 B(E2)(W.u.)=43 +5-6 Mult.: DCO($\Delta\text{J}=2,\text{Q gated}$)=0.92 12 for doublet. |
| 5561.68 | (17 ⁻) | 566.1# 1 | 100# | 4995.57 | 16 ⁽⁻⁾ | M1+E2 ^b | 0.00517 23 | $\alpha=0.00517$ 23; $\alpha(\text{K})=0.00448$ 22; $\alpha(\text{L})=0.000560$ 9; $\alpha(\text{M})=0.0001086$ 16; $\alpha(\text{N+..})=2.12\times 10^{-5}$ 5 $\alpha(\text{N})=1.98\times 10^{-5}$ 4; $\alpha(\text{O})=1.43\times 10^{-6}$ 8 |
| 5650.39 | 18 ⁺ | 366.9# 1 | 6.2# 8 | 5283.39 | 17 ⁽⁺⁾ | M1+E2 ^b | 0.0167 11 | $\alpha(\text{K})=0.0144$ 8; $\alpha(\text{L})=0.00190$ 25; $\alpha(\text{M})=0.00037$ 5; |

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{In})$ (continued)

| $E_i(\text{level})$ | J_i^π | E_γ [‡] | I_γ [‡] | E_f | J_f^π | Mult.& | α^\dagger | Comments |
|---------------------|--|-------------------------|-------------------------|---------|---|--------------------|------------------|--|
| 5650.39 | 18 ⁺ | 565.6 [#] 1 | 100 [#] 3 | 5084.90 | 17 ⁺ | M1+E2 ^b | 0.00518 23 | $\alpha(\text{N}+..)=7.2\times 10^{-5}$ 9 $\alpha(\text{N})=6.7\times 10^{-5}$ 9; $\alpha(\text{O})=4.60\times 10^{-6}$ 21 $\alpha=0.00518$ 23; $\alpha(\text{K})=0.00449$ 22; $\alpha(\text{L})=0.000561$ 9; $\alpha(\text{M})=0.0001089$ 16; $\alpha(\text{N}+..)=2.13\times 10^{-5}$ 5 $\alpha(\text{N})=1.99\times 10^{-5}$ 4; $\alpha(\text{O})=1.43\times 10^{-6}$ 8 |
| | | 1052.3 [#] 1 | 11.5 [#] 8 | 4598.02 | 16 ⁺ | E2 ^b | 0.001083 16 | $\alpha=0.001083$ 16; $\alpha(\text{K})=0.000942$ 14; $\alpha(\text{L})=0.0001141$ 16; $\alpha(\text{M})=2.21\times 10^{-5}$ 3; $\alpha(\text{N}+..)=4.33\times 10^{-6}$ $\alpha(\text{N})=4.03\times 10^{-6}$ 6; $\alpha(\text{O})=2.95\times 10^{-7}$ 5 B(E2)(W.u.)=10.1 +13-14 |
| 5687.23 | 16 ⁻ ,17 ⁻ ,18 ⁻ | 284.0 [#] 1 | 52 [#] 4 | 5403.27 | 17 ⁻ | M1+E2 ^b | 0.035 6 | $\alpha(\text{K})=0.030$ 4; $\alpha(\text{L})=0.0042$ 10; $\alpha(\text{M})=0.00082$ 21; $\alpha(\text{N}+..)=0.00016$ 4 $\alpha(\text{N})=0.00015$ 4; $\alpha(\text{O})=9.7\times 10^{-6}$ 12 |
| | | 422.0 [#] 1 | 100 [#] 4 | 5265.18 | 17 ⁻ | M1+E2 ^b | 0.0113 3 | $\alpha(\text{K})=0.00973$ 20; $\alpha(\text{L})=0.00126$ 10; $\alpha(\text{M})=0.000245$ 21; $\alpha(\text{N}+..)=4.8\times 10^{-5}$ 4 $\alpha(\text{N})=4.5\times 10^{-5}$ 4; $\alpha(\text{O})=3.11\times 10^{-6}$ 5 |
| 5825.10 | (16 ⁺ ,17 ⁺ ,18 ⁺) | 740.2 [#] 1 | 100 [#] | 5084.90 | 17 ⁺ | M1+E2 ^b | 0.00266 21 | $\alpha=0.00266$ 21; $\alpha(\text{K})=0.00231$ 19; $\alpha(\text{L})=0.000282$ 16; $\alpha(\text{M})=5.5\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.07\times 10^{-5}$ 7 $\alpha(\text{N})=1.00\times 10^{-5}$ 6; $\alpha(\text{O})=7.3\times 10^{-7}$ 7 |
| 5833.45 | (18 ⁺) | 550.2 [#] 1 | 100 [#] 4 | 5283.39 | 17 ⁽⁺⁾ | M1+E2 ^b | 0.00556 22 | $\alpha=0.00556$ 22; $\alpha(\text{K})=0.00482$ 22; $\alpha(\text{L})=0.000604$ 9; $\alpha(\text{M})=0.0001172$ 17; $\alpha(\text{N}+..)=2.29\times 10^{-5}$ 4 $\alpha(\text{N})=2.14\times 10^{-5}$ 4; $\alpha(\text{O})=1.54\times 10^{-6}$ 8 |
| | | 748.4 [#] 1 | 39 [#] 4 | 5084.90 | 17 ⁺ | M1+E2 ^b | 0.00259 21 | $\alpha=0.00259$ 21; $\alpha(\text{K})=0.00225$ 19; $\alpha(\text{L})=0.000275$ 16; $\alpha(\text{M})=5.3\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.04\times 10^{-5}$ 7 $\alpha(\text{N})=9.7\times 10^{-6}$ 6; $\alpha(\text{O})=7.1\times 10^{-7}$ 7 |
| 5839.27 | (18 ⁺) | 555.9 [#] 1 | 100 [#] 5 | 5283.39 | 17 ⁽⁺⁾ | M1+E2 ^b | 0.00542 23 | $\alpha=0.00542$ 23; $\alpha(\text{K})=0.00469$ 22; $\alpha(\text{L})=0.000588$ 9; $\alpha(\text{M})=0.0001140$ 16; $\alpha(\text{N}+..)=2.23\times 10^{-5}$ 4 $\alpha(\text{N})=2.08\times 10^{-5}$ 4; $\alpha(\text{O})=1.50\times 10^{-6}$ 8 |
| | | 754.3 [#] 2 | 29 [#] 5 | 5084.90 | 17 ⁺ | M1+E2 ^b | 0.00254 20 | $\alpha=0.00254$ 20; $\alpha(\text{K})=0.00221$ 18; $\alpha(\text{L})=0.000270$ 16; $\alpha(\text{M})=5.2\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.02\times 10^{-5}$ 7 $\alpha(\text{N})=9.5\times 10^{-6}$ 6; $\alpha(\text{O})=7.0\times 10^{-7}$ 7 |
| 6062.11 | 18 ⁻ | 881.3 [#] 1 | 100 [#] 4 | 5180.81 | 16 ⁻ | E2 ^b | 0.001616 23 | $\alpha=0.001616$ 23; $\alpha(\text{K})=0.001403$ 20; $\alpha(\text{L})=0.0001727$ 25; $\alpha(\text{M})=3.34\times 10^{-5}$ 5; $\alpha(\text{N}+..)=6.54\times 10^{-6}$ $\alpha(\text{N})=6.10\times 10^{-6}$ 9; $\alpha(\text{O})=4.41\times 10^{-7}$ 7 Mult.: DCO=1.6 4. |
| 6095.43 | (19) ⁻ | 408.2 [#] 1 | 100 [#] | 5687.23 | 16 ⁻ ,17 ⁻ ,18 ⁻ | M1+E2 ^b | 0.0124 5 | $\alpha(\text{K})=0.0107$ 3; $\alpha(\text{L})=0.00139$ 13; $\alpha(\text{M})=0.00027$ 3; $\alpha(\text{N}+..)=5.2\times 10^{-5}$ 5 $\alpha(\text{N})=4.9\times 10^{-5}$ 5; $\alpha(\text{O})=3.41\times 10^{-6}$ 7 |
| 6223.33 | 19 ⁺ | 572.9 [#] 1 | 100 [#] 3 | 5650.39 | 18 ⁺ | M1+E2 ^b | 0.00501 23 | $\alpha=0.00501$ 23; $\alpha(\text{K})=0.00434$ 23; $\alpha(\text{L})=0.000543$ 10; |

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{In})$ (continued)

| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult.& | α^\ddagger | Comments |
|---------------------|--------------------|-----------------------|----------------------|---------|--------------------|--------------------|-------------------|---|
| 6223.33 | 19 ⁺ | 1138.6 [#] 2 | 14.5 [#] 16 | 5084.90 | 17 ⁺ | E2 ^b | 0.000915 13 | $\alpha(\text{M})=0.0001053$ 17; $\alpha(\text{N}+..)=2.06\times 10^{-5}$ $\alpha(\text{N})=1.92\times 10^{-5}$ 4; $\alpha(\text{O})=1.38\times 10^{-6}$ 8 $\alpha=0.000915$ 13; $\alpha(\text{K})=0.000796$ 12; $\alpha(\text{L})=9.57\times 10^{-5}$ 14; $\alpha(\text{M})=1.85\times 10^{-5}$ 3; $\alpha(\text{N}+..)=5.35\times 10^{-6}$ 8 $\alpha(\text{N})=3.38\times 10^{-6}$ 5; $\alpha(\text{O})=2.49\times 10^{-7}$ 4; $\alpha(\text{IPF})=1.71\times 10^{-6}$ 3 B(E2)(W.u.)=16.4 +28-23 |
| 6296.99 | (19) ⁺ | 646.6 [#] 1 | 100 [#] | 5650.39 | 18 ⁺ | M1+E2 ^b | 0.00370 24 | $\alpha=0.00370$ 24; $\alpha(\text{K})=0.00321$ 22; $\alpha(\text{L})=0.000396$ 15; $\alpha(\text{M})=7.7\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.51\times 10^{-5}$ 7 $\alpha(\text{N})=1.40\times 10^{-5}$ 6; $\alpha(\text{O})=1.02\times 10^{-6}$ 8 |
| 6445.54 | 19 ⁽⁻⁾ | 889.1 [#] 1 | 100 [#] | 5556.44 | 17 ⁽⁻⁾ | E2 ^b | 0.001583 23 | $\alpha=0.001583$ 23; $\alpha(\text{K})=0.001375$ 20; $\alpha(\text{L})=0.0001690$ 24; $\alpha(\text{M})=3.27\times 10^{-5}$ 5; $\alpha(\text{N}+..)=6.41\times 10^{-6}$ $\alpha(\text{N})=5.97\times 10^{-6}$ 9; $\alpha(\text{O})=4.32\times 10^{-7}$ 6 B(E2)(W.u.)=86 +7-9 |
| 6707.23 | (20 ⁺) | 483.9 [#] 1 | 100 [#] | 6223.33 | 19 ⁺ | M1+E2 ^b | 0.00779 14 | $\alpha=0.00779$ 14; $\alpha(\text{K})=0.00673$ 15; $\alpha(\text{L})=0.00086$ 4; $\alpha(\text{M})=0.000166$ 7; $\alpha(\text{N}+..)=3.25\times 10^{-5}$ 10 $\alpha(\text{N})=3.03\times 10^{-5}$ 10; $\alpha(\text{O})=2.15\times 10^{-6}$ 7 |
| 6992.09 | (20 ⁺) | 695.1 [#] 1 | 100 [#] | 6296.99 | (19) ⁺ | M1+E2 ^b | 0.00310 22 | $\alpha=0.00310$ 22; $\alpha(\text{K})=0.00269$ 21; $\alpha(\text{L})=0.000330$ 16; $\alpha(\text{M})=6.4\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.25\times 10^{-5}$ 7 $\alpha(\text{N})=1.17\times 10^{-5}$ 6; $\alpha(\text{O})=8.5\times 10^{-7}$ 7 |
| 6999.21 | 20 ⁻ | 937.1 [#] 1 | 100 [#] | 6062.11 | 18 ⁻ | E2 ^b | 0.001403 20 | $\alpha=0.001403$ 20; $\alpha(\text{K})=0.001219$ 17; $\alpha(\text{L})=0.0001491$ 21; $\alpha(\text{M})=2.89\times 10^{-5}$ 4; $\alpha(\text{N}+..)=5.65\times 10^{-6}$ $\alpha(\text{N})=5.27\times 10^{-6}$ 8; $\alpha(\text{O})=3.83\times 10^{-7}$ 6 |
| 7240.6 | (19) ⁺ | 1590.2 [#] 3 | 100 [#] | 5650.39 | 18 ⁺ | M1+E2 ^b | 0.00061 3 | $\alpha=0.00061$ 3; $\alpha(\text{K})=0.00043$ 3; $\alpha(\text{L})=5.1\times 10^{-5}$ 4; $\alpha(\text{M})=9.8\times 10^{-6}$ 7; $\alpha(\text{N}+..)=0.000113$ 5 $\alpha(\text{N})=1.80\times 10^{-6}$ 12; $\alpha(\text{O})=1.36\times 10^{-7}$ 10; $\alpha(\text{IPF})=0.000111$ 5 |
| 7272.63 | (21 ⁺) | 565.4 [#] 1 | 100 [#] | 6707.23 | (20 ⁺) | M1+E2 ^b | 0.00519 23 | $\alpha=0.00519$ 23; $\alpha(\text{K})=0.00449$ 22; $\alpha(\text{L})=0.000562$ 9; $\alpha(\text{M})=0.0001090$ 16; $\alpha(\text{N}+..)=2.13\times 10^{-5}$ 5 $\alpha(\text{N})=1.99\times 10^{-5}$ 4; $\alpha(\text{O})=1.43\times 10^{-6}$ 8 |
| 7391.75 | 21 ⁽⁻⁾ | 946.2 [#] 1 | 100 [#] | 6445.54 | 19 ⁽⁻⁾ | E2 ^b | 0.001372 20 | $\alpha=0.001372$ 20; $\alpha(\text{K})=0.001193$ 17; $\alpha(\text{L})=0.0001458$ 21; $\alpha(\text{M})=2.82\times 10^{-5}$ 4; $\alpha(\text{N}+..)=5.53\times 10^{-6}$ $\alpha(\text{N})=5.15\times 10^{-6}$ 8; $\alpha(\text{O})=3.74\times 10^{-7}$ 6 B(E2)(W.u.)=85 +4-5 Mult.: DCO($\Delta J=2, Q$ gated)=0.92 12 for doublet. |
| 7980.84 | (22 ⁺) | 708.2 [#] 1 | 100 [#] | 7272.63 | (21 ⁺) | M1+E2 ^b | 0.00296 22 | $\alpha=0.00296$ 22; $\alpha(\text{K})=0.00257$ 20; $\alpha(\text{L})=0.000315$ 16; $\alpha(\text{M})=6.1\times 10^{-5}$ 3; $\alpha(\text{N}+..)=1.20\times 10^{-5}$ 7 $\alpha(\text{N})=1.12\times 10^{-5}$ 6; $\alpha(\text{O})=8.2\times 10^{-7}$ 7 |
| 8087.8 | (22 ⁻) | 1088.6 [#] 1 | 100 [#] | 6999.21 | 20 ⁻ | E2 ^b | 0.001006 14 | $\alpha=0.001006$ 14; $\alpha(\text{K})=0.000876$ 13; $\alpha(\text{L})=0.0001057$ 15; $\alpha(\text{M})=2.04\times 10^{-5}$ 3; $\alpha(\text{N}+..)=4.01\times 10^{-6}$ $\alpha(\text{N})=3.74\times 10^{-6}$ 6; $\alpha(\text{O})=2.74\times 10^{-7}$ 4 |

Adopted Levels, Gammas (continued)

| | | | | | | | $\gamma(^{110}\text{In})$ (continued) | |
|---------------------|--------------------|-----------------------|---------------------|---------|--------------------|--------------------|---------------------------------------|--|
| $E_i(\text{level})$ | J_i^π | E_γ^\ddagger | I_γ^\ddagger | E_f | J_f^π | Mult. & | α^\dagger | Comments |
| 8463.8 | (23 ⁻) | 1072.0 [#] 1 | 100 [#] | 7391.75 | 21 ⁽⁻⁾ | E2 ^b | 0.001040 15 | $\alpha=0.001040$ 15; $\alpha(\text{K})=0.000905$ 13; $\alpha(\text{L})=0.0001094$ 16; $\alpha(\text{M})=2.12\times 10^{-5}$ 3; $\alpha(\text{N+..})=4.15\times 10^{-6}$ $\alpha(\text{N})=3.87\times 10^{-6}$ 6; $\alpha(\text{O})=2.83\times 10^{-7}$ 4 B(E2)(W.u.)=90 +7-9 |
| 8747.7 | (23 ⁺) | 766.9 [#] 1 | 100 [#] | 7980.84 | (22 ⁺) | M1+E2 ^b | 0.00244 20 | $\alpha=0.00244$ 20; $\alpha(\text{K})=0.00212$ 18; $\alpha(\text{L})=0.000259$ 16; $\alpha(\text{M})=5.0\times 10^{-5}$ 3; $\alpha(\text{N+..})=9.8\times 10^{-6}$ 7 $\alpha(\text{N})=9.2\times 10^{-6}$ 6; $\alpha(\text{O})=6.7\times 10^{-7}$ 6 |
| 9398.2 | (24 ⁻) | 1310.4 [#] 2 | 100 [#] | 8087.8 | (22 ⁻) | E2 ^b | 0.000707 10 | $\alpha=0.000707$ 10; $\alpha(\text{K})=0.000594$ 9; $\alpha(\text{L})=7.08\times 10^{-5}$ 10; $\alpha(\text{M})=1.367\times 10^{-5}$ 20; $\alpha(\text{N+..})=2.83\times 10^{-5}$ 4 $\alpha(\text{N})=2.50\times 10^{-6}$ 4; $\alpha(\text{O})=1.85\times 10^{-7}$ 3; $\alpha(\text{IPF})=2.56\times 10^{-5}$ 4 |
| 9698.7 | (25 ⁻) | 1234.9 [#] 1 | 100 [#] | 8463.8 | (23 ⁻) | E2 ^b | 0.000782 11 | $\alpha=0.000782$ 11; $\alpha(\text{K})=0.000671$ 10; $\alpha(\text{L})=8.02\times 10^{-5}$ 12; $\alpha(\text{M})=1.551\times 10^{-5}$ 22; $\alpha(\text{N+..})=1.498\times 10^{-5}$ $\alpha(\text{N})=2.84\times 10^{-6}$ 4; $\alpha(\text{O})=2.10\times 10^{-7}$ 3; $\alpha(\text{IPF})=1.193\times 10^{-5}$ 17 |
| 11117.8 | (27 ⁻) | 1419.1 [#] 1 | 100 [#] | 9698.7 | (25 ⁻) | E2 ^b | 0.000634 9 | $\alpha=0.000634$ 9; $\alpha(\text{K})=0.000506$ 7; $\alpha(\text{L})=6.00\times 10^{-5}$ 9; $\alpha(\text{M})=1.158\times 10^{-5}$ 17; $\alpha(\text{N+..})=5.68\times 10^{-5}$ 8 $\alpha(\text{N})=2.12\times 10^{-6}$ 3; $\alpha(\text{O})=1.577\times 10^{-7}$ 22; $\alpha(\text{IPF})=5.45\times 10^{-5}$ 8 |
| 12744.6 | (29 ⁻) | 1626.8 [#] 6 | 100 [#] | 11117.8 | (27 ⁻) | E2 ^b | 0.000574 8 | $\alpha=0.000574$ 8; $\alpha(\text{K})=0.000388$ 6; $\alpha(\text{L})=4.56\times 10^{-5}$ 7; $\alpha(\text{M})=8.80\times 10^{-6}$ 13; $\alpha(\text{N+..})=0.0001323$ 19 $\alpha(\text{N})=1.614\times 10^{-6}$ 23; $\alpha(\text{O})=1.205\times 10^{-7}$ 17; $\alpha(\text{IPF})=0.0001306$ 19 |

[†] Additional information 2.

[‡] From $^{107}\text{Ag}(\alpha, n\gamma)$, unless otherwise stated.

[#] From $^{62}\text{Zr}(^{19}\text{F}, 5n\gamma)$.

[@] From $^{110}\text{Cd}(p, n\gamma)$.

[&] From $\alpha(\text{K})\text{exp}$ and/or $\gamma(\theta)$ in $^{110}\text{Cd}(p, n\gamma)$ (1987Kr15), unless otherwise stated.

^a From $\alpha(\text{K})\text{exp}$ in $^{107}\text{Ag}(\alpha, n\gamma)$ (1989Kr12).

^b From measured DCO ratios and band structure in $^{96}\text{Zr}(^{19}\text{F}, 5n\gamma)$ (2001Ch71). DCO ratios correspond to gates on $\Delta I=1$ dipole transitions, unless otherwise stated.

^c From $\gamma(\theta)$ in $^{110}\text{Cd}(p, n\gamma)$ (1987Kr15).

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

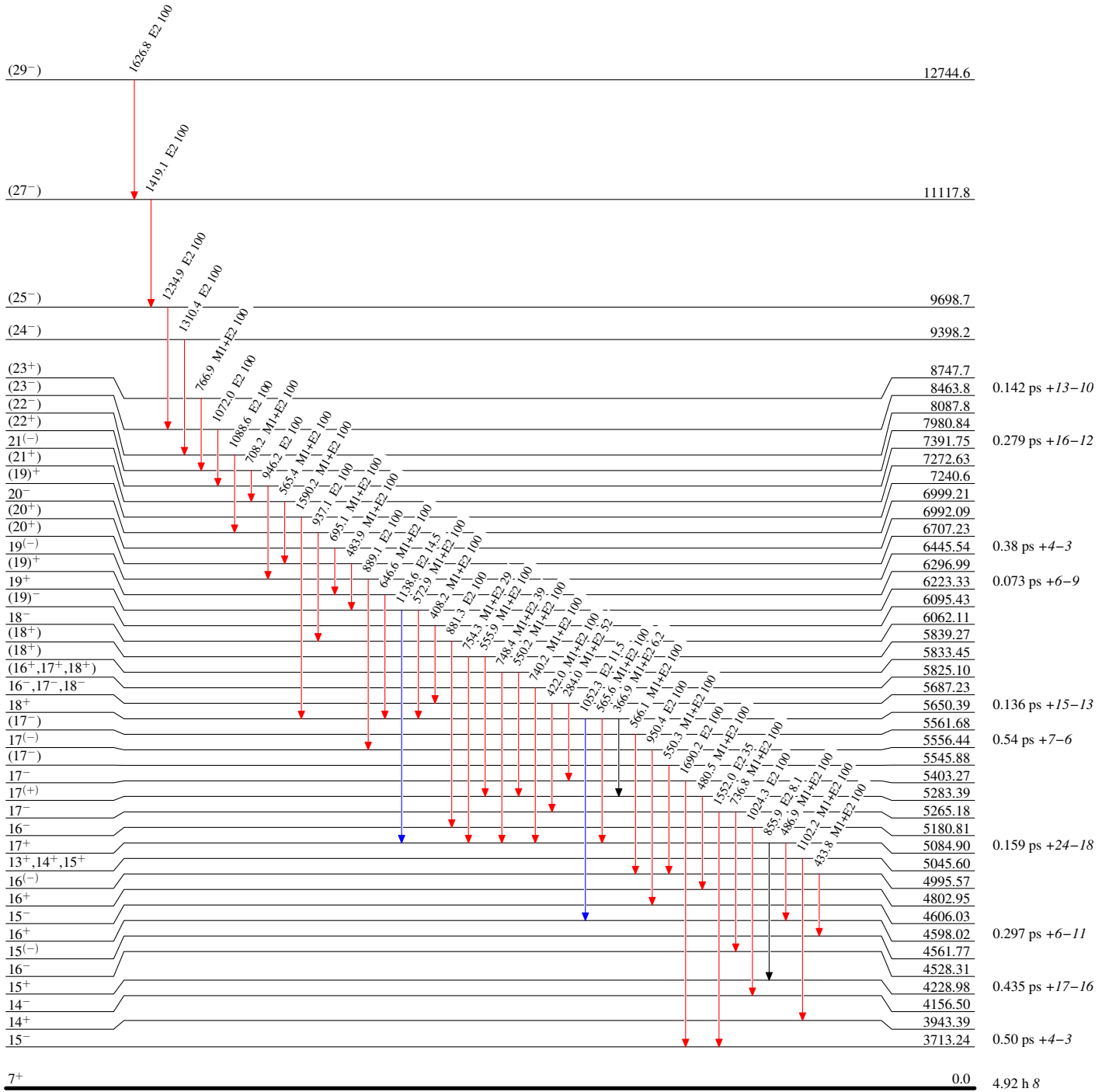
Adopted Levels, Gammas

Level Scheme

Intensities: Type not specified

Legend

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



$^{110}_{49}\text{In}_{61}$

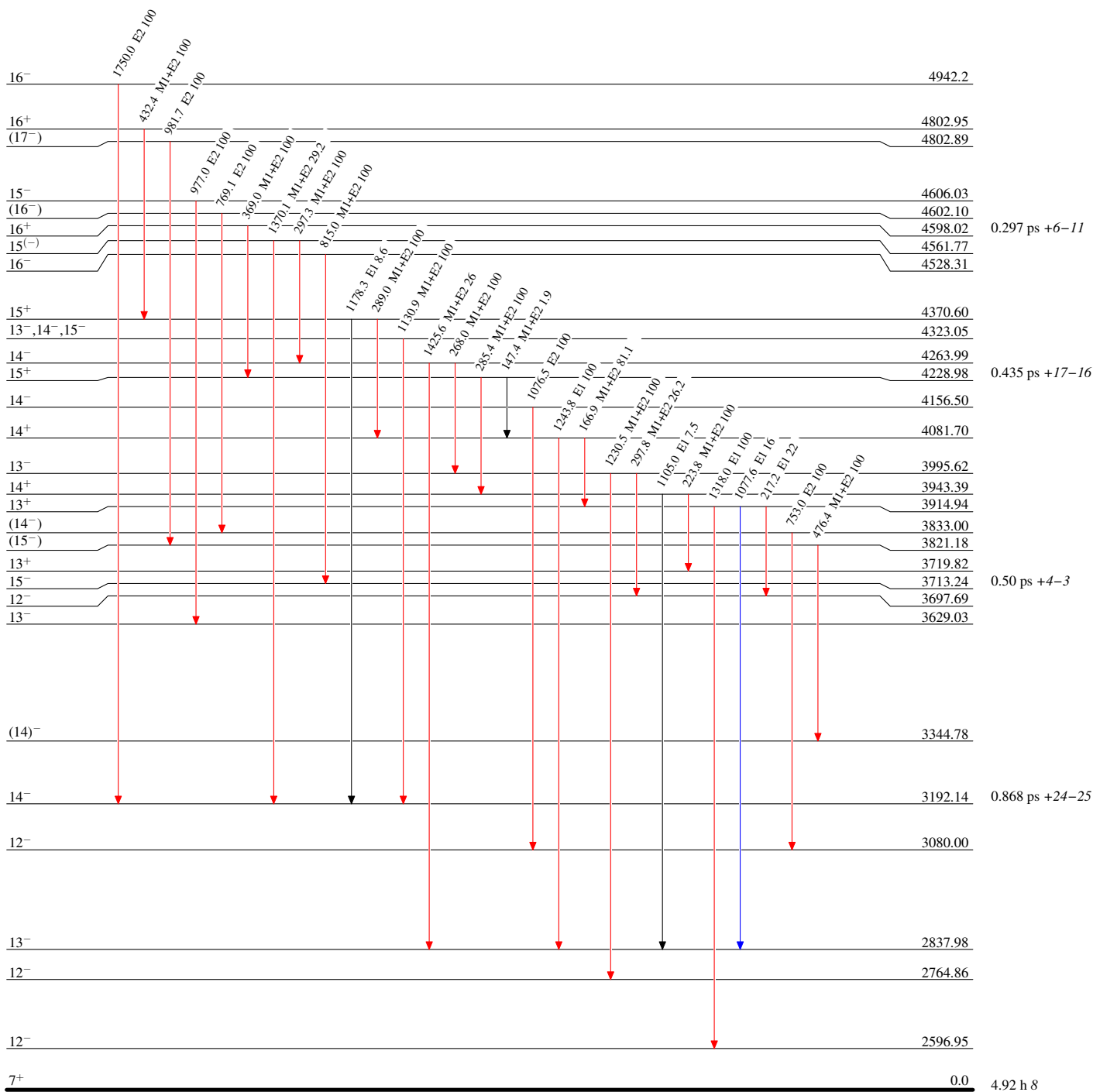
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

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



$^{110}_{49}\text{In}_{61}$

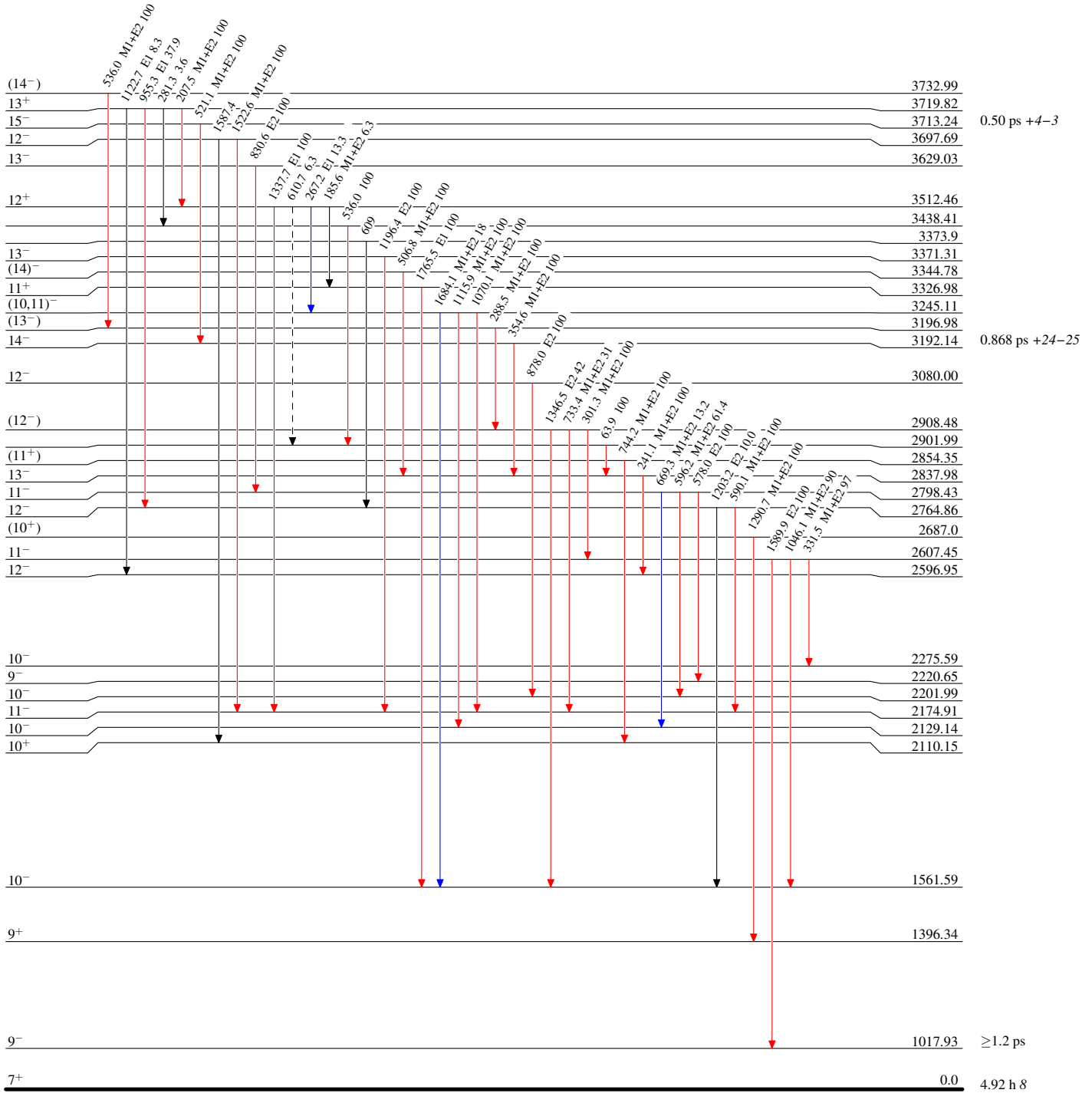
Adopted Levels, Gammas

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)



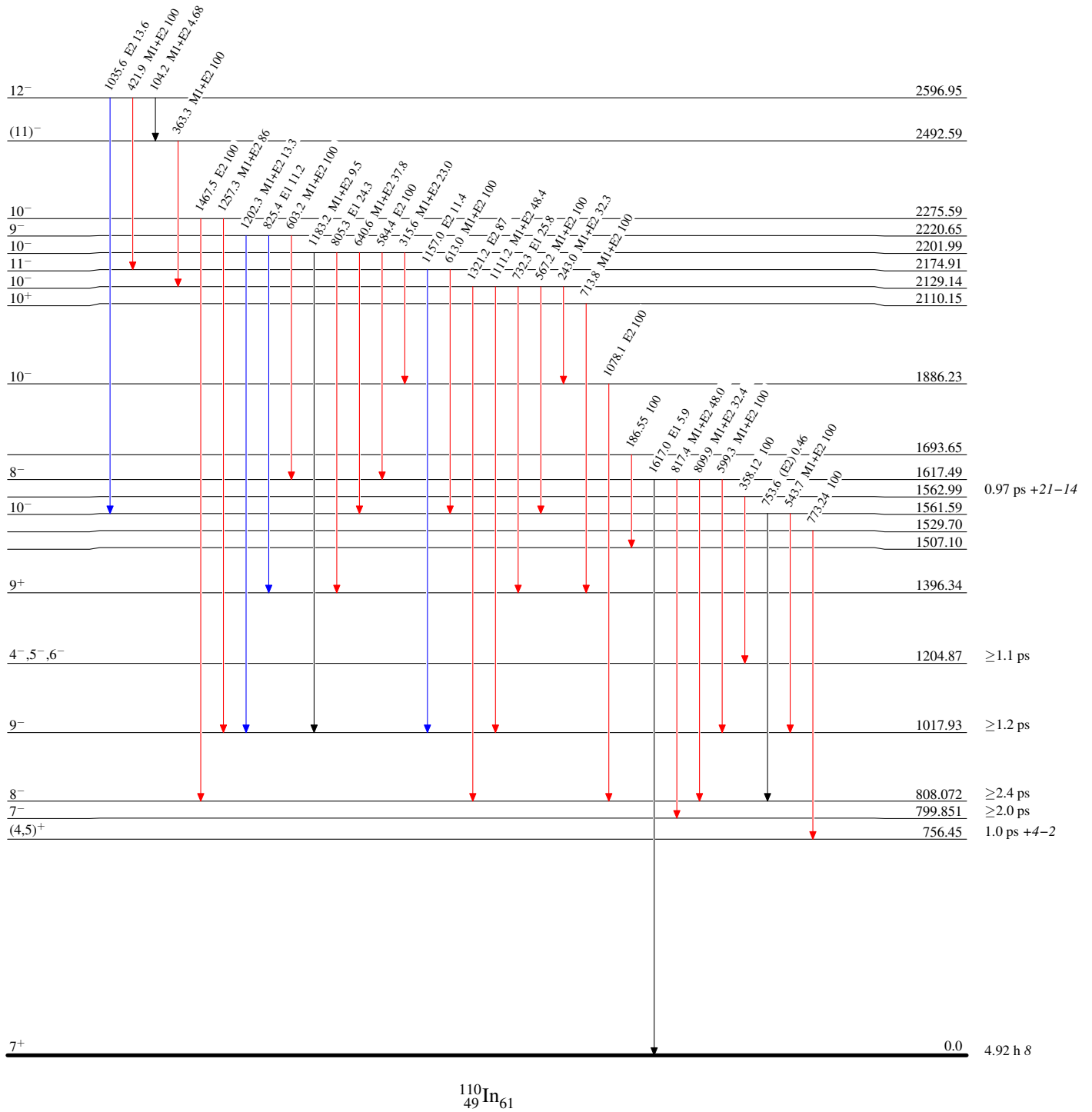
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

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



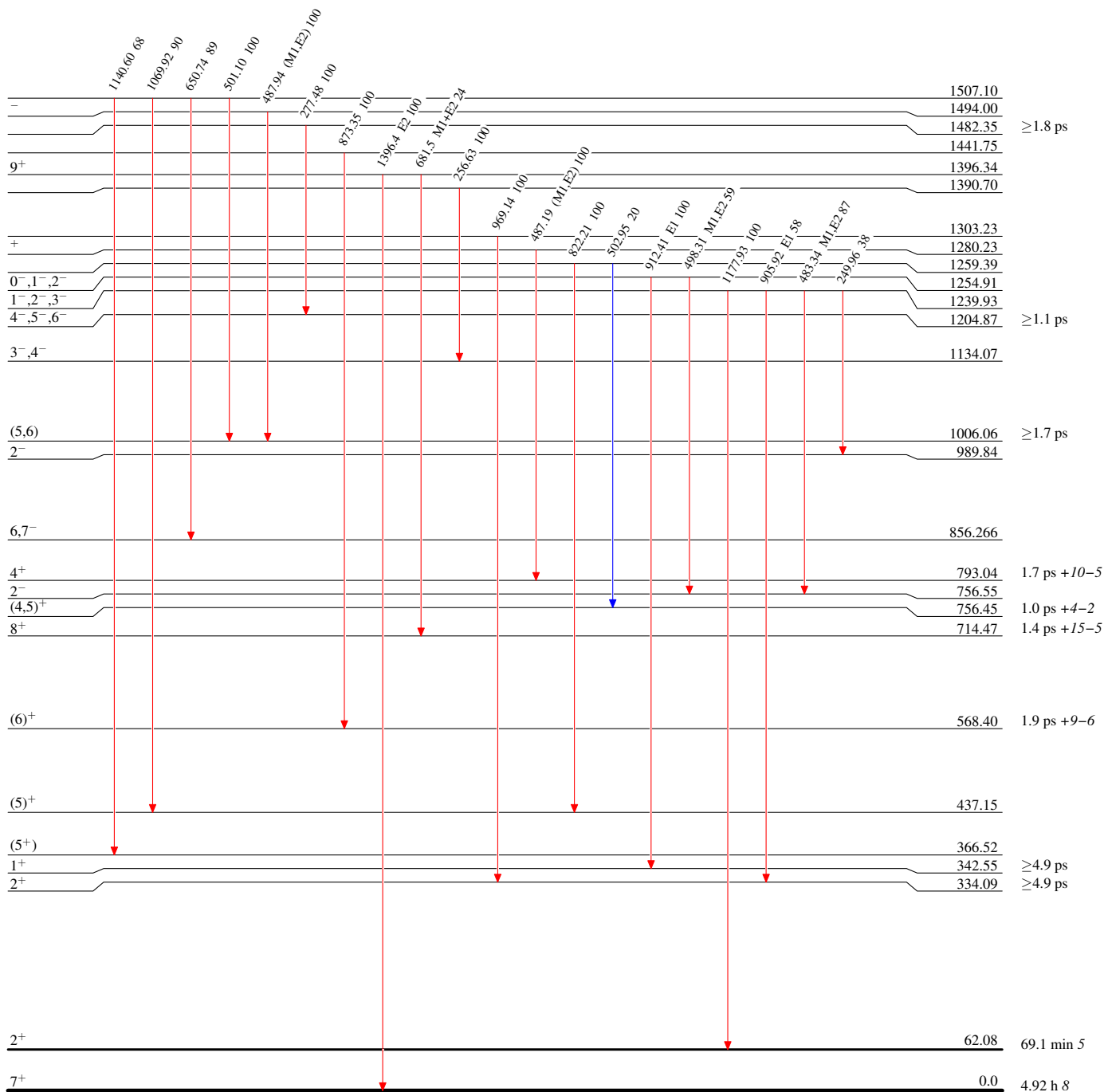
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

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



$^{110}_{49}\text{In}_{61}$

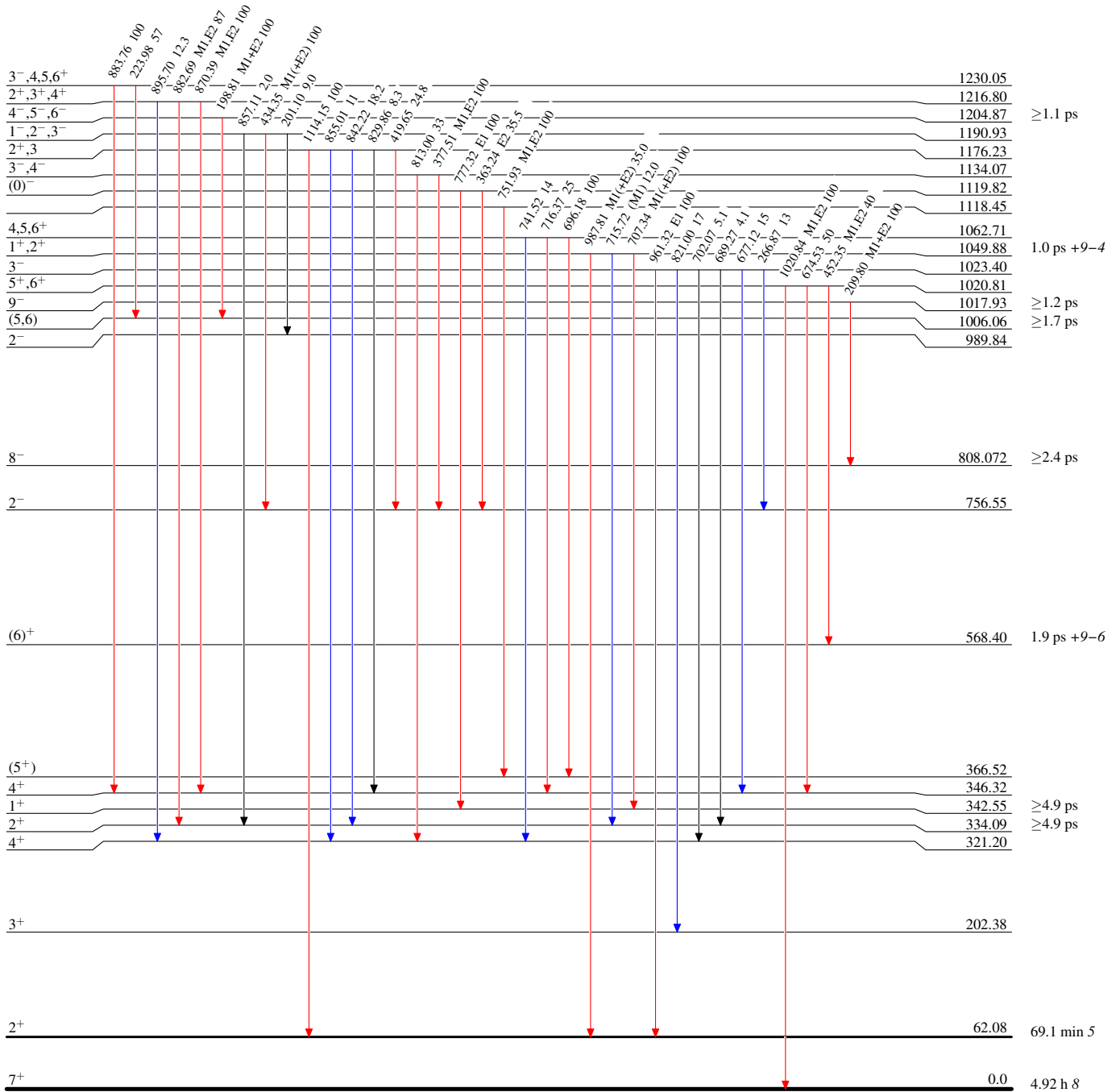
Adopted Levels, Gammas

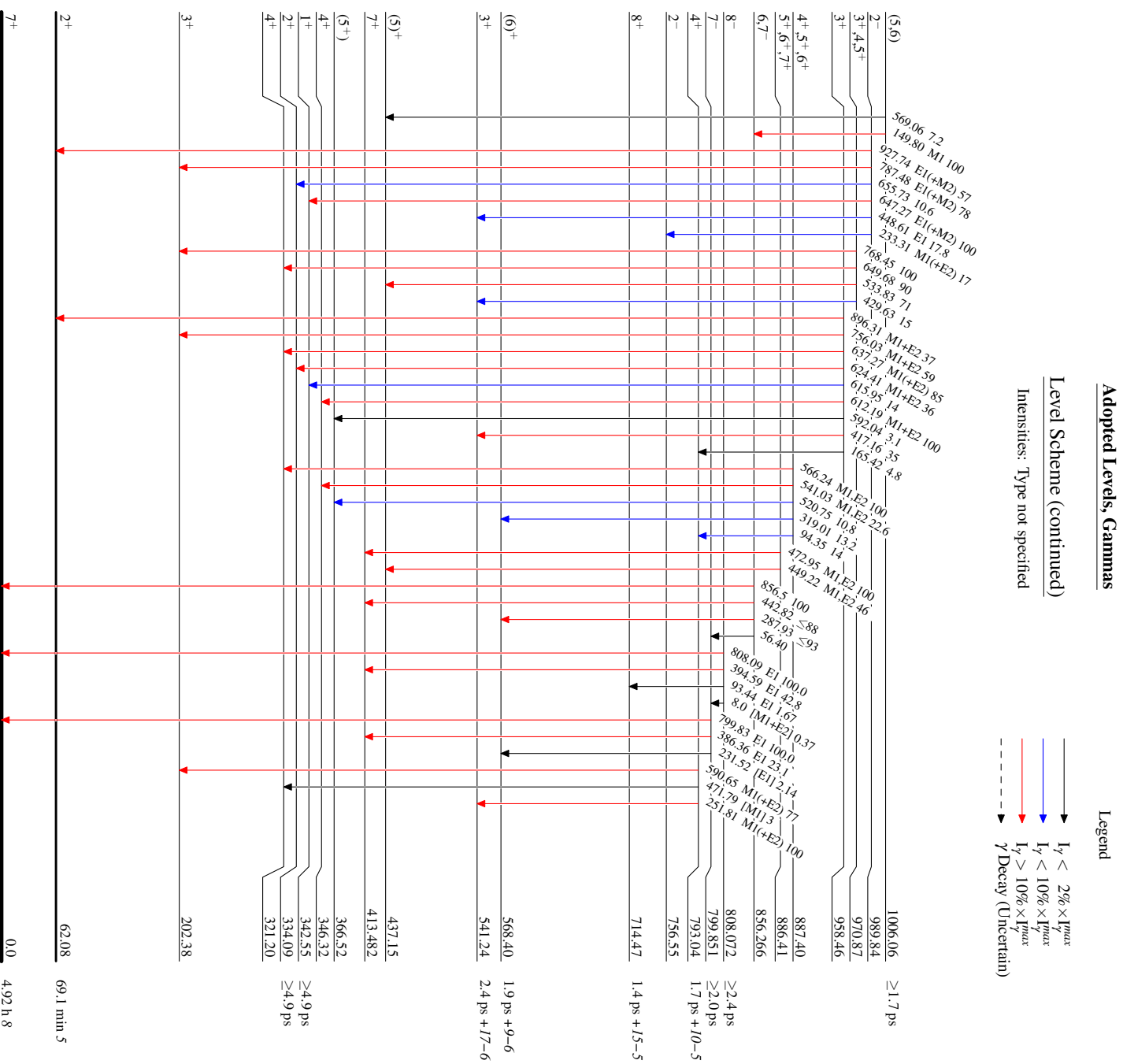
Level Scheme (continued)

Intensities: Type not specified

Legend

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





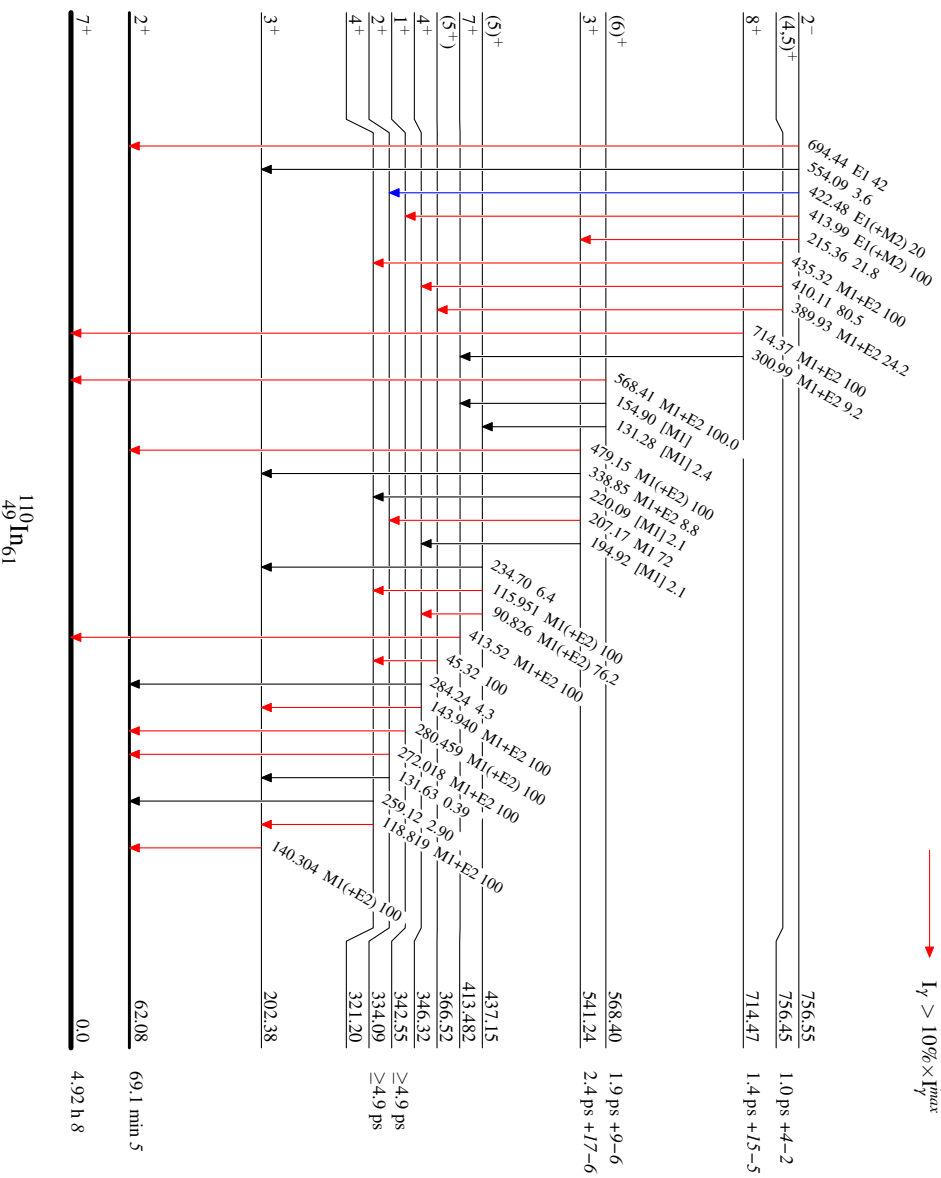
Adopted Levels, Gammas

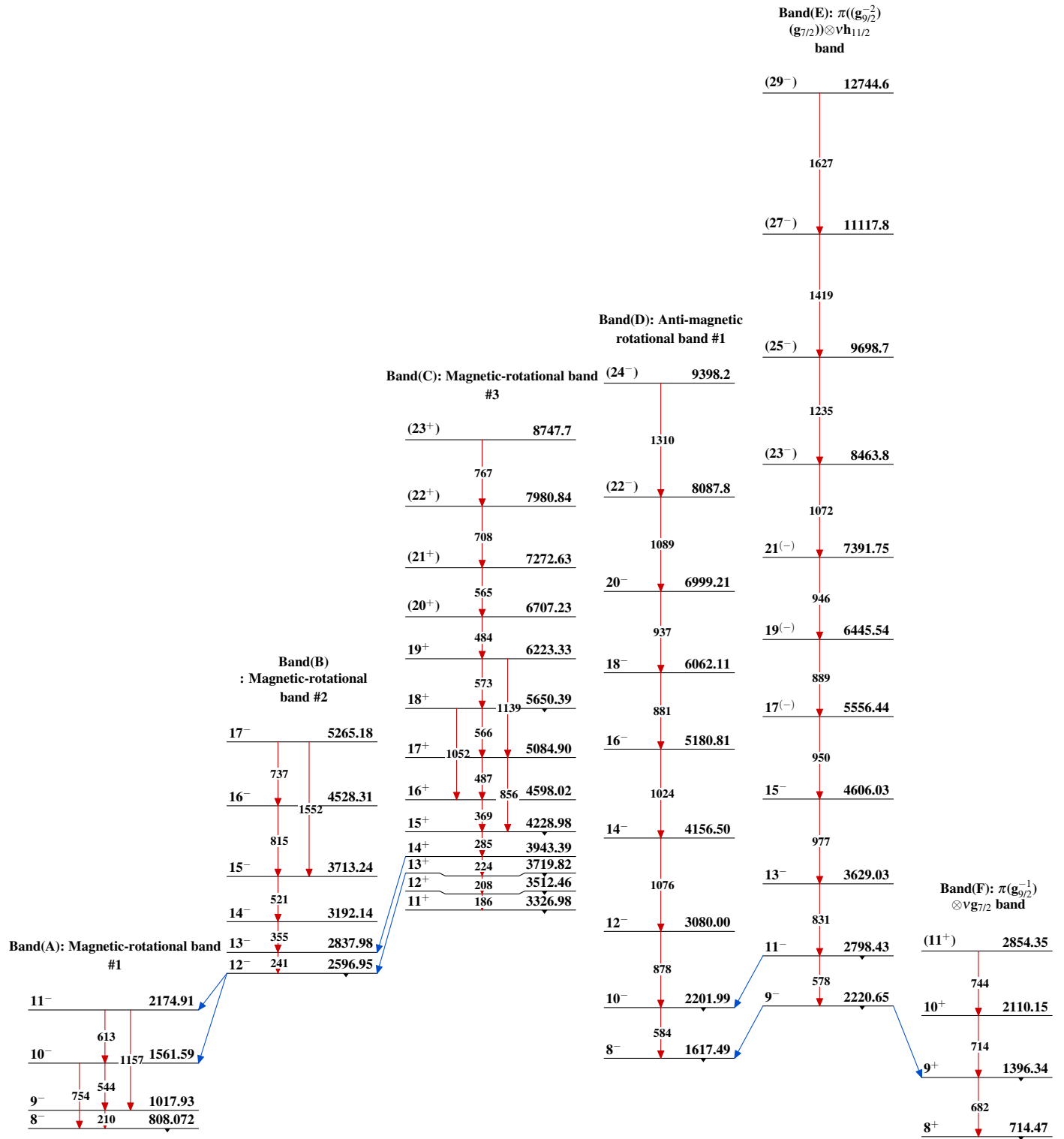
Level Scheme (continued)

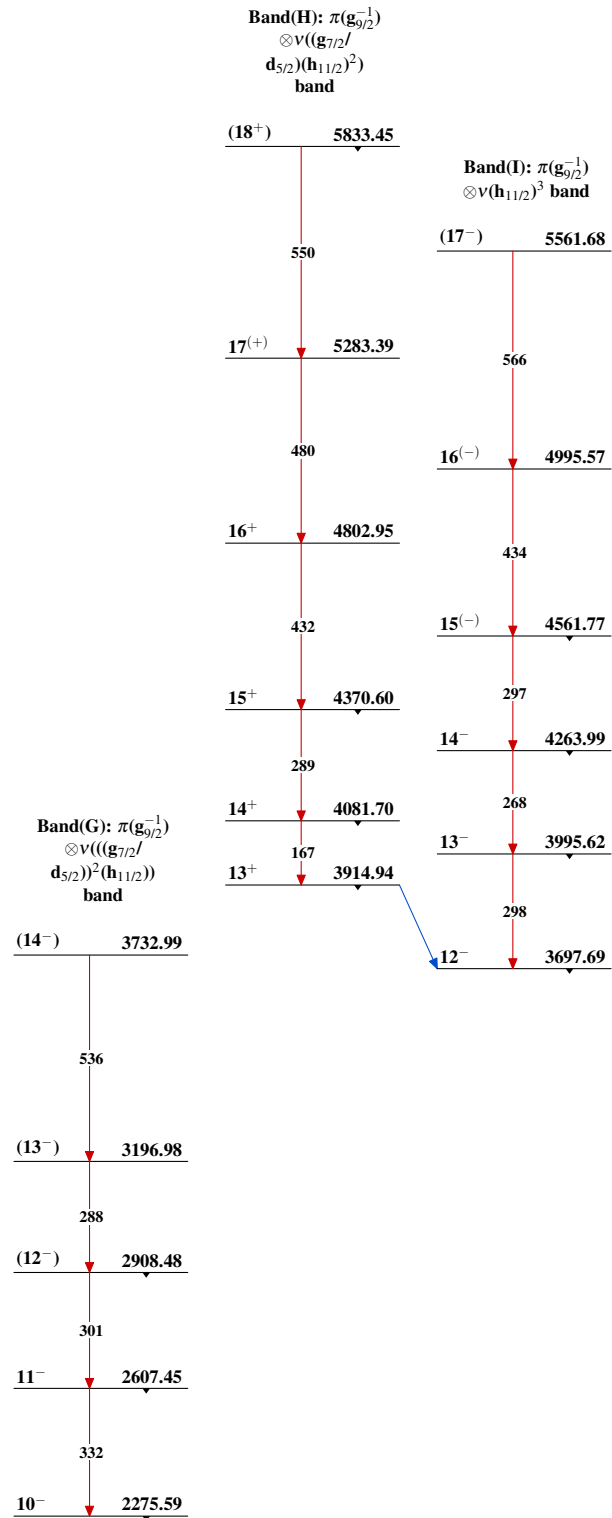
Intensities: Type not specified

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 $^{110}_{49}\text{In}_{61}$

Adopted Levels, Gammas (continued) $^{110}_{49}\text{In}_{61}$