

1 Half-life, Q-value and Decay mode

| | | | | |
|---------------|---|--------|------|-----|
| $T_{1/2}$ | : | 10.1 | (1) | h |
| Q_{β^-} | : | 1427.3 | (10) | keV |
| β^- | : | 100 | | % |

2 β^- Transitions

| | Energy keV | Probability $\times 100$ | Nature | $\log ft$ |
|-----------------|---------------|-----------------------------|--------------------------|-----------|
| $\beta_{0,9}^-$ | 387.1 (10) | 100 | 1st forbidden non-unique | 5.63 |

3 Electron Emissions

| | | Energy keV | Electrons per 100 disint. | Energy keV |
|---------------------|------|-------------------|------------------------------|----------------|
| eAL | (Cm) | 6.19 - 14.46 | 86 (9) | |
| eAK | (Cm) | | 0.213 (27) | |
| | KLL | 78.858 - 89.973 | } | |
| | KLX | 97.226 - 109.267 | } | |
| | KXY | 115.57 - 128.23 | } | |
| ec _{1,0} L | (Cm) | 18.439 - 24.000 | 73 (15) | |
| ec _{3,2} K | (Cm) | 25.622 (2) | 3.3 (7) | |
| ec _{1,0} M | (Cm) | 36.628 - 38.956 | 21 (4) | |
| ec _{1,0} N | (Cm) | 41.281 - 42.500 | 5.7 (12) | |
| ec _{2,1} L | (Cm) | 74.857 - 80.410 | 70 (15) | |
| ec _{4,3} K | (Cm) | 77.334 (4) | 0.049 (11) | |
| ec _{2,1} M | (Cm) | 93.046 - 95.374 | 20 (4) | |
| ec _{2,1} N | (Cm) | 97.699 - 98.910 | 5.5 (12) | |
| ec _{3,2} L | (Cm) | 129.337 - 134.890 | 36 (8) | |
| ec _{3,2} M | (Cm) | 147.526 - 149.854 | 10.2 (21) | |
| ec _{3,2} N | (Cm) | 152.179 - 153.390 | 2.8 (6) | |
| ec _{4,3} L | (Cm) | 181.049 - 186.600 | 0.19 (4) | |
| ec _{4,3} M | (Cm) | 199.238 - 201.566 | 0.053 (12) | |
| ec _{4,3} N | (Cm) | 203.891 - 205.100 | 0.0147 (34) | |
| ec _{9,4} K | (Cm) | 410.161 (16) | 0.019 (6) | |
| ec _{9,3} K | (Cm) | 615.736 (5) | 3.9 (5) | |
| ec _{9,3} L | (Cm) | 719.451 - 725.010 | 0.86 (11) | |
| ec _{9,3} M | (Cm) | 737.640 - 739.968 | 0.21 (3) | |
| ec _{9,3} N | (Cm) | 742.293 - 743.510 | 0.058 (8) | |
| ec _{9,2} K | (Cm) | 769.599 (7) | 0.34 (10) | |
| ec _{9,2} L | (Cm) | 873.31 - 878.87 | 0.10 (3) | |
| ec _{9,2} M | (Cm) | 891.50 - 893.83 | 0.026 (7) | |
| $\beta_{0,9}^-$ | max: | 387.1 (10) | 100 | avg: 109.6 (3) |

4 Photon Emissions

4.1 X-Ray Emissions

| | | Energy keV | Photons per 100 disint. | |
|-------------------|------|-----------------|----------------------------|--------------|
| XL | (Cm) | 12.633 — 23.527 | 100 (10) | |
| XK α_2 | (Cm) | 104.59 | 2.2 (3) | } K α |
| XK α_1 | (Cm) | 109.271 | 3.4 (4) | } |
| XK β_3 | (Cm) | 122.304 | } | |
| XK β_1 | (Cm) | 123.403 | } | K β'_1 |
| XK β''_5 | (Cm) | 124.124 | } | |
| XK β_2 | (Cm) | 126.889 | } | |
| XK β_4 | (Cm) | 127.352 | } | K β'_2 |
| XK $\alpha_{2,3}$ | (Cm) | 127.97 | } | } |

4.2 Gamma Transitions and Emissions

| | Energy keV | P $_{\gamma+ce}$ $\times 100$ | Multipolarity | α_T | P $_{\gamma}$ $\times 100$ |
|---------------------|---------------|----------------------------------|---------------|--------------|-------------------------------|
| $\gamma_{1,0}$ (Cm) | 42.965 (10) | 100 (21) | E2 | 1050 (15) | 0.096 (20) |
| $\gamma_{2,1}$ (Cm) | 99.383 (4) | 100 (22) | E2 | 19.3 (3) | 5.0 (11) |
| $\gamma_{3,2}$ (Cm) | 153.863 (2) | 72 (15) | E2 | 2.81 (4) | 19 (4) |
| $\gamma_{4,3}$ (Cm) | 205.575 (4) | 0.66 (15) | E2 | 0.887 (13) | 0.35 (8) |
| $\gamma_{9,4}$ (Cm) | 538.402 (16) | 0.69 (20) | E2 | 0.0495 (7) | 0.66 (19) |
| $\gamma_{9,3}$ (Cm) | 743.977 (5) | 71 (9) | M1+0.46%E2 | 0.077 (5) | 66 (8) |
| $\gamma_{9,2}$ (Cm) | 897.840 (7) | 28 (8) | E2 | 0.01697 (24) | 28 (8) |

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