|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Vodík** | | | | | | | |
| H-3  (tríciovaná voda) | 12,3 r | Pozri tabuľku č. 13 pre dávky inhaláciou | | | | 1 | 1,8.10-11 |
| organicky viazané   trícium | 4,2.10-11 |
| **Berýlium** | | | | | | | |
| Be-7 | 53,3 d | M | 0,005 | 4,8.10-11 | 4,3.10-11 | 0,005 | 2,8.10-11 |
| S | 0,005 | 5,2.10-11 | 4,6.10-11 |
| Be-10 | 1,60 106  r | M | 0,005 | 9,1.10-9 | 6,7.10-9 | 1,1.10-9 |
| S | 0,005 | 3,2.10-8 | 1,9.10-8 |
| **Uhlík** | | | | | | | |
| C-11 | 0,340 h | Pozri tabuľku č. 13 pre dávky inhaláciou | | | | 1 | 2,4.10-11 |
| C-14 | 5,73 103  r | 5,8.10-10 |
| **Fluór** | | | | | | | |
| F-18 | 1,83 h | F | 1 | 3,0.10-11 | 5,4.10-11 | 1 | 4,9.10-11 |
| M | 1 | 5,7.10-11 | 8,9.10-11 |
| S | 1 | 6,0.10-11 | 9,3.10-11 |
| **Sodík** | | | | | | | |
| Na-22 | 2,60 r | F | 1 | 1,3.10-9 | 2,0.10-9 | 1 | 3,2.10-9 |
| Na-24 | 15,0 h | 2,9.10-10 | 5,3.10-10 | 4,3.10-10 |
| **Horčík** | | | | | | | |
| Mg-28 | 20,9 h | F | 0,5 | 6,4.10-10 | 1,1.10-9 | 0,5 | 2,2.10-9 |
| M | 0,5 | 1,2.10-9 | 1,7.10-9 |
| **Hliník** | | | | | | | |
| Al-26 | 7,16 105  r | F | 0,01 | 1,1.10-8 | 1,4.10-8 | 0,01 | 3,5.10-9 |
| M | 0,01 | 1,8.10-8 | 1,2.10-8 |
| **Kremík** | | | | | | | |
| Si-31 | 2,62 h | F | 0,01 | 2,9.10-11 | 5,1.10-11 | 0,01 | 1,6.10-10 |
| M | 7,5.10-11 | 1,1.10-10 |
| S | 8,0.10-11 | 1,1.10-10 |
| Si-32 | 4,50 102  r | F | 3,2.10-9 | 3,7.10-9 | 0,01 | 5,6.10-10 |
| M | 1,5.10-8 | 9,6.10-9 |
| S | 1,1.10-7 | 5,5.10-8 |
| **Fosfor** | | | | | | | |
| P-32 | 14,3 d | F | 0,8 | 8,0.10-10 | 1,1.10-9 | 0,8 | 2,4.10-9 |
| M | 3,2.10-9 | 2,9.10-9 |
| P-33 | 25,4 d | F | 9,6.10-11 | 1,4.10-10 | 2,4.10-10 |
| M | 1,4.10-9 | 1,3.10-9 |
| **Síra** | | | | | | | |
| S-35 (anorganická) | 87,4 d | F | 0,8 | 5,3.10-11 | 8,0.10-11 | 0,8 | 1,4.10-10 |
| M | 1,3.10-9 | 1,1.10-9 | 0,1 | 1,9.10-10 |
| S-35 (organická) | Pozri tabuľku č. 13 pre dávky inhaláciou | | | | 1 | 7,7.10-10 |
| **Chlór** | | | | | | | |
| Cl-36 | 3,01 105  r | F | 1 | 3,4.10-10 | 4,9.10-10 | 1 | 9,3.10-10 |
| M | 6,9.10-9 | 5,1.10-9 |
| Cl-38 | 0,620 h | F | 2,7.10-11 | 4,6.10-11 | 1,2.10-10 |
| M | 4,7.10-11 | 7,3.10-11 |
| Cl-39 | 0,927 h | F | 2,7.10-11 | 4,8.10-11 | 8,5.10-11 |
| M | 4,8.10-11 | 7,6.10-11 |
| **Draslík** | | | | | | | |
| K-40 | 1,28 109  r | F | 1 | 2,1.10-9 | 3,0.10-9 | 1 | 6,2.10-9 |
| K-42 | 12,4 h | 1,3.10-10 | 2,0.10-10 | 4,3.10-10 |
| K-43 | 22,6 h | 1,5.10-10 | 2,6.10-10 | 2,5.10-10 |
| K-44 | 0,369 h | 2,1.10-11 | 3,7.10-11 | 8,4.10-11 |
| K-45 | 0,333 h | 1,6.10-11 | 2,8.10-11 | 5,4.10-11 |
| **Vápnik** | | | | | | | |
| Ca-41 | 1,40 105  r | M | 0,3 | 1,7.10-10 | 1,9.10-10 | 0,3 | 2,9.10-10 |
| Ca-45 | 163 d | 2,7.10-9 | 2,3.10-9 | 7,6.10-10 |
| Ca-47 | 4,53 d | 1,8.10-9 | 2,1.10-9 | 1,6.10-9 |
| **Skandium** | | | | | | | |
| Sc-43 | 3,89 h | S | 1,0.10-4 | 1,2.10-10 | 1,8.10-10 | 1,0.10-4 | 1,9.10-10 |
| Sc-44 | 3,93 h | 1,9.10-10 | 3,0.10-10 | 3,5.10-10 |
| Sc-44m | 2,44 d | 1,5.10-9 | 2,0.10-9 | 2,4.10-9 |
| Sc-46 | 83,8 d | 6,4.10-9 | 4,8.10-9 | 1,5.10-9 |
| Sc-47 | 3,35 d | 7,0.10-10 | 7,3.10-10 | 5,4.10-10 |
| Sc-48 | 1,82 d | 1,1.10-9 | 1,6.10-9 | 1,7.10-9 |
| Sc-49 | 0,956 h | 4,1.10-11 | 6,1.10-11 | 8,2.10-11 |
| **Titán** | | | | | | | |
| Ti-44 | 47,3 r | F | 0,01 | 6,1.10-8 | 7,2.10-8 | 0,01 | 5,8.10-9 |
| M | 4,0.10-8 | 2,7.10-8 |
| S | 1,2.10-7 | 6,2.10-8 |
| Ti-45 | 3,08 h | F | 4,6.10-11 | 8,3.10-11 | 1,5.10-10 |
| M | 9,1.10-11 | 1,4.10-10 |
| S | 9,6.10-11 | 1,5.10-10 |
| **Vanád** | | | | | | | |
| V-47 | 0,543 h | F | 0,01 | 1,9.10-11 | 3,2.10-11 | 0,01 | 6,3.10-11 |
| M | 3,1.10-11 | 5,0.10-11 |
| V-48 | 16,2 d | F | 1,1.10-9 | 1,7.10-9 | 2,0.10-9 |
| M | 2,3.10-9 | 2,7.10-9 |
| V-49 | 330 d | F | 2,1.10-11 | 2,6.10-11 | 1,8.10-11 |
| M | 3,2.10-11 | 2,3.10-11 |
| **Chróm** | | | | | | | |
| Cr-48 | 23,0 h | F | 0,1 | 1,0.10-10 | 1,7.10-10 | 0,1 | 2,0.10-10 |
| M | 2,0.10-10 | 2,3.10-10 | 0,01 | 2,0.10-10 |
| S | 2,2.10-10 | 2,5.10-10 |
| Cr-49 | 0,702 h | F | 2,0.10-11 | 3,5.10-11 | 0,1 | 6,1.10-11 |
| M | 3,5.10-11 | 5,6.10-11 | 0,01 | 6,1.10-11 |
| S | 3,7.10-11 | 5,9.10-11 |
| Cr-51 | 27,7 d | F | 2,1.10-11 | 3,0.10-11 | 0,1 | 3,8.10-11 |
| M | 3,1.10-11 | 3,4.10-11 | 0,01 | 3,7.10-11 |
| S | 3,6.10-11 | 3,6.10-11 |
| **Mangán** | | | | | | | |
| Mn-51 | 0,770 h | F | 0,1 | 2,4.10-11 | 4,2.10-11 | 0,1 | 9,3.10-11 |
| M | 4,3.10-11 | 6,8.10-11 |
| Mn-52 | 5,59 d | F | 9,9.10-10 | 1,6.10-9 | 1,8.10-9 |
| M | 1,4.10-9 | 1,8.10-9 |
| Mn-52m | 0,352 h | F | 2,0.10-11 | 3,5.10-11 | 6,9.10-11 |
| M | 3,0.10-11 | 5,0.10-11 |
| Mn-53 | 3,70 106  r | F | 2,9.10-11 | 3,6.10-11 | 3,0.10-11 |
| M | 5,2.10-11 | 3,6.10-11 |
| Mn-54 | 312 d | F | 8,7.10-10 | 1,1.10-9 | 7,1.10-10 |
| M | 1,5.10-9 | 1,2.10-9 |
| Mn-56 | 2,58 h | F | 6,9.10-11 | 1,2.10-10 | 2,5.10-10 |
| M | 1,3.10-10 | 2,0.10-10 |
| **Železo** |  |  |  |  |  |  |  |
| Fe-52 | 8,28 h | F | 0,1 | 4,1.10-10 | 6,9.10-10 | 0,1 | 1,4.10-9 |
|  |  | M | 0,1 | 6,3.10-10 | 9,5.10-10 |  |  |
| Fe-55 | 2,70 r | F | 0,1 | 7,7.10-10 | 9,2.10-10 | 0,1 | 3,3.10-10 |
|  |  | M | 0,1 | 3,7.10-10 | 3,3.10-10 |  |  |
| Fe-59 | 44,5 d | F | 0,1 | 2,2.10-9 | 3,0.10-9 | 0,1 | 1,8.10-9 |
|  |  | M | 0,1 | 3,5.10-9 | 3,2.10-9 |  |  |
| Fe-60 | 1,00 105  r | F | 0,1 | 2,8.10-7 | 3,3.10-7 | 0,1 | 1,1.10-7 |
|  |  | M | 0,1 | 1,3.10-7 | 1,2.10-7 |  |  |
| **Kobalt** |  |  |  |  |  |  |  |
| Co-55 | 17,5 h | M | 0,1 | 5,1.10-10 | 7,8.10-10 | 0,1 | 1,0.10-9 |
|  |  | S | 0,05 | 5,5.10-10 | 8,3.10-10 | 0,05 | 1,1.10-9 |
| Co-56 | 78,7 d | M | 0,1 | 4,6.10-9 | 4,0.10-9 | 0,1 | 2,5.10-9 |
|  |  | S | 0,05 | 6,3.10-9 | 4,9.10-9 | 0,05 | 2,3.10-9 |
| Co-57 | 271 d | M | 0,1 | 5,2.10-10 | 3,9.10-10 | 0,1 | 2,1.10-10 |
|  |  | S | 0,05 | 9,4.10-10 | 6,0.10-10 | 0,05 | 1,9.10-10 |
| Co-58 | 70,8 d | M | 0,1 | 1,5.10-9 | 1,4.10-9 | 0,1 | 7,4.10-10 |
|  |  | S | 0,05 | 2,0.10-9 | 1,7.10-9 | 0,05 | 7,0.10-10 |
| Co-58m | 9,15 h | M | 0,1 | 1,3.10-11 | 1,5.10-11 | 0,1 | 2,4.10-11 |
|  |  | S | 0,05 | 1,6.10-11 | 1,7.10-11 | 0,05 | 2,4.10-11 |
| Co-60 | 5,27 r | M | 0,1 | 9,6.10-9 | 7,1.10-9 | 0,1 | 3,4.10-9 |
|  |  | S | 0,05 | 2,9.10-8 | 1,7.10-8 | 0,05 | 2,5.10-9 |
| Co-60m | 0,174 h | M | 0,1 | 1,1.10-12 | 1,2.10-12 | 0,1 | 1,7.10-12 |
|  |  | S | 0,05 | 1,3.10-12 | 1,2.10-12 | 0,05 | 1,7.10-12 |
| Co-61 | 1,65 h | M | 0,1 | 4,8.10-11 | 7,1.10-11 | 0,1 | 7,4.10-11 |
|  |  | S | 0,05 | 5,1.10-11 | 7,5.10-11 | 0,05 | 7,4.10-11 |
| Co-62m | 0,232 h | M | 0,1 | 2,1.10-11 | 3,6.10-11 | 0,1 | 4,7.10-11 |
|  |  | S | 0,05 | 2,2.10-11 | 3,7.10-11 | 0,05 | 4,7.10-11 |
| **nikel** |  |  |  |  |  |  |  |
| Ni-56 | 6,10 d | F | 0,05 | 5,1.10-10 | 7,9.10-10 | 0,05 | 8,6.10-10 |
|  |  | M | 0,05 | 8,6.10-10 | 9,6.10-10 |  |  |
| Ni-57 | 1,50 d | F | 0,05 | 2,8.10-10 | 5,0.10-10 | 0,05 | 8,7.10-10 |
|  |  | M | 0,05 | 5,1.10-10 | 7,6.10-10 |  |  |
| Ni-59 | 7,50 104  r | F | 0,05 | 1,8.10-10 | 2,2.10-10 | 0,05 | 6,3.10-11 |
|  |  | M | 0,05 | 1,3.10-10 | 9,4.10-11 |  |  |
| Ni-63 | 96,0 r | F | 0,05 | 4,4.10-10 | 5,2.10-10 | 0,05 | 1,5.10-10 |
|  |  | M | 0,05 | 4,4.10-10 | 3,1.10-10 |  |  |
| Ni-65 | 2,52 h | F | 0,05 | 4,4.10-11 | 7,5.10-11 | 0,05 | 1,8.10-10 |
|  |  | M | 0,05 | 8,7.10-11 | 1,3.10-10 |  |  |
| Ni-66 | 2,27 d | F | 0,05 | 4,5.10-10 | 7,6.10-10 | 0,05 | 3,0.10-9 |
|  |  | M | 0,05 | 1,6.10-9 | 1,9.10-9 |  |  |
| **meď** |  |  |  |  |  |  |  |
| Cu-60 | 0,387 h | F | 0,5 | 2,4.10-11 | 4,4.10-11 | 0,5 | 7,0.10-11 |
|  |  | M | 0,5 | 3,5.10-11 | 6,0.10-11 |  |  |
|  |  | S | 0,5 | 3,6.10-11 | 6,2.10-11 |  |  |
| Cu-61 | 3,41 h | F | 0,5 | 4,0.10-11 | 7,3.10-11 | 0,5 | 1,2.10-10 |
|  |  | M | 0,5 | 7,6.10-11 | 1,2.10-10 |  |  |
|  |  | S | 0,5 | 8,0.10-11 | 1,2.10-10 |  |  |
| Cu-64 | 12,7 h | F | 0,5 | 3,8.10-11 | 6,8.10-11 | 0,5 | 1,2.10-10 |
|  |  | M | 0,5 | 1,1.10-10 | 1,5.10-10 |  |  |
|  |  | S | 0,5 | 1,2.10-10 | 1,5.10-10 |  |  |
| Cu-67 | 2,58 d | F | 0,5 | 1,1.10-10 | 1,8.10-10 | 0,5 | 3,4.10-10 |
|  |  | M | 0,5 | 5,2.10-10 | 5,3.10-10 |  |  |
|  |  | S | 0,5 | 5,8.10-10 | 5,8.10-10 |  |  |
| **zinok** |  |  |  |  |  |  |  |
| Zn-62 | 9,26 h | S | 0,5 | 4,7.10-10 | 6,6.10-10 | 0,5 | 9,4.10-10 |
| Zn-63 | 0,635 h | S | 0,5 | 3,8.10-11 | 6,1.10-11 | 0,5 | 7,9.10-11 |
| Zn-65 | 244 d | S | 0,5 | 2,9.10-9 | 2,8.10-9 | 0,5 | 3,9.10-9 |
| Zn-69 | 0,950 h | S | 0,5 | 2,8.10-11 | 4,3.10-11 | 0,5 | 3,1.10-11 |
| Zn-69m | 13,8 h | S | 0,5 | 2,6.10-10 | 3,3.10-10 | 0,5 | 3,3.10-10 |
| Zn-71m | 3,92 h | S | 0,5 | 1,6.10-10 | 2,4.10-10 | 0,5 | 2,4.10-10 |
| Zn-72 | 1,94 d | S | 0,5 | 1,2.10-9 | 1,5.10-9 | 0,5 | 1,4.10-9 |
| **gálium** |  |  |  |  |  |  |  |
| Ga-65 | 0,253 h | F | 0,001 | 1,2.10-11 | 2,0.10-11 | 0,001 | 3,7.10-11 |
|  |  | M | 0,001 | 1,8.10-11 | 2,9.10-11 |  |  |
| Ga-66 | 9,40 h | F | 0,001 | 2,7.10-10 | 4,7.10-10 | 0,001 | 1,2.10-9 |
|  |  | M | 0,001 | 4,6.10-10 | 7,1.10-10 |  |  |
| Ga-67 | 3,26 d | F | 0,001 | 6,8.10-11 | 1,1.10-10 | 0,001 | 1,9.10-10 |
|  |  | M | 0,001 | 2,3.10-10 | 2,8.10-10 |  |  |
| Ga-68 | 1,13 h | F | 0,001 | 2,8.10-11 | 4,9.10-11 | 0,001 | 1,0.10-10 |
|  |  | M | 0,001 | 5,1.10-11 | 8,1.10-11 |  |  |
| Ga-70 | 0,353 h | F | 0,001 | 9,3.10-12 | 1,6.10-11 | 0,001 | 3,1.10-11 |
|  |  | M | 0,001 | 1,6.10-11 | 2,6.10-11 |  |  |
| Ga-72 | 14,1 h | F | 0,001 | 3,1.10-10 | 5,6.10-10 | 0,001 | 1,1.10-9 |
|  |  | M | 0,001 | 5,5.10-10 | 8,4.10-10 |  |  |
| Ga-73 | 4,91 h | F | 0,001 | 5,8.10-11 | 1,0.10-10 | 0,001 | 2,6.10-10 |
|  |  | M | 0,001 | 1,5.10-10 | 2,0.10-10 |  |  |
| **germánium** |  |  |  |  |  |  |  |
| Ge-66 | 2,27 h | F | 1 | 5,7.10-11 | 9,9.10-11 | 1 | 1,0.10-10 |
|  |  | M | 1 | 9,2.10-11 | 1,3.10-10 |  |  |
| Ge-67 | 0,312 h | F | 1 | 1,6.10-11 | 2,8.10-11 | 1 | 6,5.10-11 |
|  |  | M | 1 | 2,6.10-11 | 4,2.10-11 |  |  |
| Ge-68 | 288 d | F | 1 | 5,4.10-10 | 8,3.10-10 | 1 | 1,3.10-9 |
|  |  | M | 1 | 1,3.10-8 | 7,9.10-9 |  |  |
| Ge-69 | 1,63 d | F | 1 | 1,4.10-10 | 2,5.10-10 | 1 | 2,4.10-10 |
|  |  | M | 1 | 2,9.10-10 | 3,7.10-10 |  |  |
| Ge-71 | 11,8 d | F | 1 | 5,0.10-12 | 7,8.10-12 | 1 | 1,2.10-11 |
|  |  | M | 1 | 1,0.10-11 | 1,1.10-11 |  |  |
| Ge-75 | 1,38 h | F | 1 | 1,6.10-11 | 2,7.10-11 | 1 | 4,6.10-11 |
|  |  | M | 1 | 3,7.10-11 | 5,4.10-11 |  |  |
| Ge-77 | 11,3 h | F | 1 | 1,5.10-10 | 2,5.10-10 | 1 | 3,3.10-10 |
|  |  | M | 1 | 3,6.10-10 | 4,5.10-10 |  |  |
| Ge-78 | 1,45 h | F | 1 | 4,8.10-11 | 8,1.10-11 | 1 | 1,2.10-10 |
|  |  | M | 1 | 9,7.10-11 | 1,4.10-10 |  |  |
| **arzén** |  |  |  |  |  |  |  |
| As-69 | 0,253 h | M | 0,5 | 2,2.10-11 | 3,5.10-11 | 0,5 | 5,7.10-11 |
| As-70 | 0,876 h | M | 0,5 | 7,2.10-11 | 1,2.10-10 | 0,5 | 1,3.10-10 |
| As-71 | 2,70 d | M | 0,5 | 4,0.10-10 | 5,0.10-10 | 0,5 | 4,6.10-10 |
| As-72 | 1,08 d | M | 0,5 | 9,2.10-10 | 1,3.10-9 | 0,5 | 1,8.10-9 |
| As-73 | 80,3 d | M | 0,5 | 9,3.10-10 | 6,5.10-10 | 0,5 | 2,6.10-10 |
| As-74 | 17,8 d | M | 0,5 | 2,1.10-9 | 1,8.10-9 | 0,5 | 1,3.10-9 |
| As-76 | 1,10 d | M | 0,5 | 7,4.10-10 | 9,2.10-10 | 0,5 | 1,6.10-9 |
| As-77 | 1,62 d | M | 0,5 | 3,8.10-10 | 4,2.10-10 | 0,5 | 4,0.10-10 |
| As-78 | 1,51 h | M | 0,5 | 9,2.10-11 | 1,4.10-10 | 0,5 | 2,1.10-10 |
| **selén** |  |  |  |  |  |  |  |
| Se-70 | 0,683 h | F | 0,8 | 4,5.10-11 | 8,2.10-11 | 0,8 | 1,2.10-10 |
|  |  | M | 0,8 | 7,3.10-11 | 1,2.10-10 | 0,05 | 1,4.10-10 |
| Se-73 | 7,15 h | F | 0,8 | 8,6.10-11 | 1,5.10-10 | 0,8 | 2,1.10-10 |
|  |  | M | 0,8 | 1,6.10-10 | 2,4.10-10 | 0,05 | 3,9.10-10 |
| Se-73m | 0,650 h | F | 0,8 | 9,9.10-12 | 1,7.10-11 | 0,8 | 2,8.10-11 |
|  |  | M | 0,8 | 1,8.10-11 | 2,7.10-11 | 0,05 | 4,1.10-11 |
| Se-75 | 120 d | F | 0,8 | 1,0.10-9 | 1,4.10-9 | 0,8 | 2,6.10-9 |
|  |  | M | 0,8 | 1,4.10-9 | 1,7.10-9 | 0,05 | 4,1.10-10 |
| Se-79 | 6,50 104  r | F | 0,8 | 1,2.10-9 | 1,6.10-9 | 0,8 | 2,9.10-9 |
|  |  | M | 0,8 | 2,9.10-9 | 3,1.10-9 | 0,05 | 3,9.10-10 |
| Se-81 | 0,308 h | F | 0,8 | 8,6.10-12 | 1,4.10-11 | 0,8 | 2,7.10-11 |
|  |  | M | 0,8 | 1,5.10-11 | 2,4.10-11 | 0,05 | 2,7.10-11 |
| Se-81m | 0,954 h | F | 0,8 | 1,7.10-11 | 3,0.10-11 | 0,8 | 5,3.10-11 |
|  |  | M | 0,8 | 4,7.10-11 | 6,8.10-11 | 0,05 | 5,9.10-11 |
| Se-83 | 0,375 h | F | 0,8 | 1,9.10-11 | 3,4.10-11 | 0,8 | 4,7.10-11 |
|  |  | M | 0,8 | 3,3.10-11 | 5,3.10-11 | 0,05 | 5,1.10-11 |
| **bróm** |  |  |  |  |  |  |  |
| Br-74 | 0,422 h | F | 1 | 2,8.10-11 | 5,0.10-11 | 1 | 8,4.10-11 |
|  |  | M | 1 | 4,1.10-11 | 6,8.10-11 |  |  |
| Br-74m | 0,691 h | F | 1 | 4,2.10-11 | 7,5.10-11 | 1 | 1,4.10-10 |
|  |  | M | 1 | 6,5.10-11 | 1,1.10-10 |  |  |
| Br-75 | 1,63 h | F | 1 | 3,1.10-11 | 5,6.10-11 | 1 | 7,9.10-11 |
|  |  | M | 1 | 5,5.10-11 | 8,5.10-11 |  |  |
| Br-76 | 16,2 h | F | 1 | 2,6.10-10 | 4,5.10-10 | 1 | 4,6.10-10 |
|  |  | M | 1 | 4,2.10-10 | 5,8.10-10 |  |  |
| Br-77 | 2,33 d | F | 1 | 6,7.10-11 | 1,2.10-10 | 1 | 9,6.10-11 |
|  |  | M | 1 | 8,7.10-11 | 1,3.10-10 |  |  |
| Br-80 | 0,290 h | F | 1 | 6,3.10-12 | 1,1.10-11 | 1 | 3,1.10-11 |
|  |  | M | 1 | 1,0.10-11 | 1,7.10-11 |  |  |
| Br-80m | 4,42 h | F | 1 | 3,5.10-11 | 5,8.10-11 | 1 | 1,1.10-10 |
|  |  | M | 1 | 7,6.10-11 | 1,0.10-10 |  |  |
| Br-82 | 1,47 d | F | 1 | 3,7.10-10 | 6,4.10-10 | 1 | 5,4.10-10 |
|  |  | M | 1 | 6,4.10-10 | 8,8.10-10 |  |  |
| Br-83 | 2,39 h | F | 1 | 1,7.10-11 | 2,9.10-11 | 1 | 4,3.10-11 |
|  |  | M | 1 | 4,8.10-11 | 6,7.10-11 |  |  |
| Br-84 | 0,530 h | F | 1 | 2,3.10-11 | 4,0.10-11 | 1 | 8,8.10-11 |
|  |  | M | 1 | 3,9.10-11 | 6,2.10-11 |  |  |
| **rubídium** |  |  |  |  |  |  |  |
| Rb-79 | 0,382 h | F | 1 | 1,7.10-11 | 3,0.10-11 | 1 | 5,0.10-11 |
| Rb-81 | 4,58 h | F | 1 | 3,7.10-11 | 6,8.10-11 | 1 | 5,4.10-11 |
| Rb-81m | 0,533 h | F | 1 | 7,3.10-12 | 1,3.10-11 | 1 | 9,7.10-12 |
| Rb-82m | 6,20 h | F | 1 | 1,2.10-10 | 2,2.10-10 | 1 | 1,3.10-10 |
| Rb-83 | 86,2 d | F | 1 | 7,1.10-10 | 1,0.10-9 | 1 | 1,9.10-9 |
| Rb-84 | 32,8 d | F | 1 | 1,1.10-9 | 1,5.10-9 | 1 | 2,8.10-9 |
| Rb-86 | 18,6 d | F | 1 | 9,6.10-10 | 1,3.10-9 | 1 | 2,8.10-9 |
| Rb-87 | 4,70 1010  r | F | 1 | 5,1.10-10 | 7,6.10-10 | 1 | 1,5.10-9 |
| Rb-88 | 0,297 h | F | 1 | 1,7.10-11 | 2,8.10-11 | 1 | 9,0.10-11 |
| Rb-89 | 0,253 h | F | 1 | 1,4.10-11 | 2,5.10-11 | 1 | 4,7.10-11 |
| **stroncium** |  |  |  |  |  |  |  |
| Sr-80 | 1,67 h | F | 0,3 | 7,6.10-11 | 1,3.10-10 | 0,3 | 3,4.10-10 |
|  |  | S | 0,01 | 1,4.10-10 | 2,1.10-10 | 0,01 | 3,5.10-10 |
| Sr-81 | 0,425 h | F | 0,3 | 2,2.10-11 | 3,9.10-11 | 0,3 | 7,7.10-11 |
|  |  | S | 0,01 | 3,8.10-11 | 6,1.10-11 | 0,01 | 7,8.10-11 |
| Sr-82 | 25,0 d | F | 0,3 | 2,2.10-9 | 3,3.10-9 | 0,3 | 6,1.10-9 |
|  |  | S | 0,01 | 1,0.10-8 | 7,7.10-9 | 0,01 | 6,0.10-9 |
| Sr-83 | 1,35 d | F | 0,3 | 1,7.10-10 | 3,0.10-10 | 0,3 | 4,9.10-10 |
|  |  | S | 0,01 | 3,4.10-10 | 4,9.10-10 | 0,01 | 5,8.10-10 |
| Sr-85 | 64,8 d | F | 0,3 | 3,9.10-10 | 5,6.10-10 | 0,3 | 5,6.10-10 |
|  |  | S | 0,01 | 7,7.10-10 | 6,4.10-10 | 0,01 | 3,3.10-10 |
| Sr-85m | 1,16 h | F | 0,3 | 3,1.10-12 | 5,6.10-12 | 0,3 | 6,1.10-12 |
|  |  | S | 0,01 | 4,5.10-12 | 7,4.10-12 | 0,01 | 6,1.10-12 |
| Sr-87m | 2,80 h | F | 0,3 | 1,2.10-11 | 2,2.10-11 | 0,3 | 3,0.10-11 |
|  |  | S | 0,01 | 2,2.10-11 | 3,5.10-11 | 0,01 | 3,3.10-11 |
| Sr-89 | 50,5 d | F | 0,3 | 1,0.10-9 | 1,4.10-9 | 0,3 | 2,6.10-9 |
|  |  | S | 0,01 | 7,5.10-9 | 5,6.10-9 | 0,01 | 2,3.10-9 |
| Sr-90 | 29,1 r | F | 0,3 | 2,4.10-8 | 3,0.10-8 | 0,3 | 2,8.10-8 |
|  |  | S | 0,01 | 1,5.10-7 | 7,7.10-8 | 0,01 | 2,7.10-9 |
| Sr-91 | 9,50 h | F | 0,3 | 1,7.10-10 | 2,9.10-10 | 0,3 | 6,5.10-10 |
|  |  | S | 0,01 | 4,1.10-10 | 5,7.10-10 | 0,01 | 7,6.10-10 |
| Sr-92 | 2,71 h | F | 0,3 | 1,1.10-10 | 1,8.10-10 | 0,3 | 4,3.10-10 |
|  |  | S | 0,01 | 2,3.10-10 | 3,4.10-10 | 0,01 | 4,9.10-10 |
| **ytrium** |  |  |  |  |  |  |  |
| Y-86 | 14,7 h | M | 1,0.10-4 | 4,8.10-10 | 8,0.10-10 | 1,0.10-4 | 9,6.10-10 |
|  |  | S | 1,0.10-4 | 4,9.10-10 | 8,1.10-10 |  |  |
| Y-86m | 0,800 h | M | 1,0.10-4 | 2,9.10-11 | 4,8.10-11 | 1,0.10-4 | 5,6.10-11 |
|  |  | S | 1,0.10-4 | 3,0.10-11 | 4,9.10-11 |  |  |
| Y-87 | 3,35 d | M | 1,0.10-4 | 3,8.10-10 | 5,2.10-10 | 1,0.10-4 | 5,5.10-10 |
|  |  | S | 1,0.10-4 | 4,0.10-10 | 5,3.10-10 |  |  |
| Y-88 | 107 d | M | 1,0.10-4 | 3,9.10-9 | 3,3.10-9 | 1,0.10-4 | 1,3.10-9 |
|  |  | S | 1,0.10-4 | 4,1.10-9 | 3,0.10-9 |  |  |
| Y-90 | 2,67 d | M | 1,0.10-4 | 1,4.10-9 | 1,6.10-9 | 1,0.10-4 | 2,7.10-9 |
|  |  | S | 1,0.10-4 | 1,5.10-9 | 1,7.10-9 |  |  |
| Y-90m | 3,19 h | M | 1,0.10-4 | 9,6.10-11 | 1,3.10-10 | 1,0.10-4 | 1,7.10-10 |
|  |  | S | 1,0.10-4 | 1,0.10-10 | 1,3.10-10 |  |  |
| Y-91 | 58,5 d | M | 1,0.10-4 | 6,7.10-9 | 5,2.10-9 | 1,0.10-4 | 2,4.10-9 |
|  |  | S | 1,0.10-4 | 8,4.10-9 | 6,1.10-9 |  |  |
| Y-91m | 0,828 h | M | 1,0.10-4 | 1,0.10-11 | 1,4.10-11 | 1,0.10-4 | 1,1.10-11 |
|  |  | S | 1,0.10-4 | 1,1.10-11 | 1,5.10-11 |  |  |
| Y-92 | 3,54 h | M | 1,0.10-4 | 1,9.10-10 | 2,7.10-10 | 1,0.10-4 | 4,9.10-10 |
|  |  | S | 1,0.10-4 | 2,0.10-10 | 2,8.10-10 |  |  |
| Y-93 | 10,1 h | M | 1,0.10-4 | 4,1.10-10 | 5,7.10-10 | 1,0.10-4 | 1,2.10-9 |
|  |  | S | 1,0.10-4 | 4,3.10-10 | 6,0.10-10 |  |  |
| Y-94 | 0,318 h | M | 1,0.10-4 | 2,8.10-11 | 4,4.10-11 | 1,0.10-4 | 8,1.10-11 |
|  |  | S | 1,0.10-4 | 2,9.10-11 | 4,6.10-11 |  |  |
| Y-95 | 0,178 h | M | 1,0.10-4 | 1,6.10-11 | 2,5.10-11 | 1,0.10-4 | 4,6.10-11 |
|  |  | S | 1,0.10-4 | 1,7.10-11 | 2,6.10-11 |  |  |
| **zirkón** |  |  |  |  |  |  |  |
| Zr-86 | 16,5 h | F | 0,002 | 3,0.10-10 | 5,2.10-10 | 0,002 | 8,6.10-10 |
|  |  | M | 0,002 | 4,3.10-10 | 6,8.10-10 |  |  |
|  |  | S | 0,002 | 4,5.10-10 | 7,0.10-10 |  |  |
| Zr-88 | 83,4 d | F | 0,002 | 3,5.10-9 | 4,1.10-9 | 0,002 | 3,3.10-10 |
|  |  | M | 0,002 | 2,5.10-9 | 1,7.10-9 |  |  |
|  |  | S | 0,002 | 3,3.10-9 | 1,8.10-9 |  |  |
| Zr-89 | 3,27 d | F | 0,002 | 3,1.10-10 | 5,2.10-10 | 0,002 | 7,9.10-10 |
|  |  | M | 0,002 | 5,3.10-10 | 7,2.10-10 |  |  |
|  |  | S | 0,002 | 5,5.10-10 | 7,5.10-10 |  |  |
| Zr-93 | 1,53 106  r | F | 0,002 | 2,5.10-8 | 2,9.10-8 | 0,002 | 2,8.10-10 |
|  |  | M | 0,002 | 9,6.10-9 | 6,6.10-9 |  |  |
|  |  | S | 0,002 | 3,1.10-9 | 1,7.10-9 |  |  |
| Zr-95 | 64,0 d | F | 0,002 | 2,5.10-9 | 3,0.10-9 | 0,002 | 8,8.10-10 |
|  |  | M | 0,002 | 4,5.10-9 | 3,6.10-9 |  |  |
|  |  | S | 0,002 | 5,5.10-9 | 4,2.10-9 |  |  |
| Zr-97 | 16,9 h | F | 0,002 | 4,2.10-10 | 7,4.10-10 | 0,002 | 2,1.10-9 |
|  |  | M | 0,002 | 9,4.10-10 | 1,3.10-9 |  |  |
|  |  | S | 0,002 | 1,0.10-9 | 1,4.10-9 |  |  |
| **niób** |  |  |  |  |  |  |  |
| Nb-88 | 0,238 h | M | 0,01 | 2,9.10-11 | 4,8.10-11 | 0,01 | 6,3.10-11 |
|  |  | S | 0,01 | 3,0.10-11 | 5,0.10-11 |  |  |
| Nb-89 | 2,03 h | M | 0,01 | 1,2.10-10 | 1,8.10-10 | 0,01 | 3,0.10-10 |
|  |  | S | 0,01 | 1,3.10-10 | 1,9.10-10 |  |  |
| Nb-89 | 1,10 h | M | 0,01 | 7,1.10-11 | 1,1.10-10 | 0,01 | 1,4.10-10 |
|  |  | S | 0,01 | 7,4.10-11 | 1,2.10-10 |  |  |
| Nb-90 | 14,6 h | M | 0,01 | 6,6.10-10 | 1,0.10-9 | 0,01 | 1,2.10-9 |
|  |  | S | 0,01 | 6,9.10-10 | 1,1.10-9 |  |  |
| Nb-93m | 13,6 r | M | 0,01 | 4,6.10-10 | 2,9.10-10 | 0,01 | 1,2.10-10 |
|  |  | S | 0,01 | 1,6.10-9 | 8,6.10-10 |  |  |
| Nb-94 | 2,03 104  r | M | 0,01 | 1,0.10-8 | 7,2.10-9 | 0,01 | 1,7.10-9 |
|  |  | S | 0,01 | 4,5.10-8 | 2,5.10-8 |  |  |
| Nb-95 | 35,1 d | M | 0,01 | 1,4.10-9 | 1,3.10-9 | 0,01 | 5,8.10-10 |
|  |  | S | 0,01 | 1,6.10-9 | 1,3.10-9 |  |  |
| Nb-95m | 3,61 d | M | 0,01 | 7,6.10-10 | 7,7.10-10 | 0,01 | 5,6.10-10 |
|  |  | S | 0,01 | 8,5.10-10 | 8,5.10-10 |  |  |
| Nb-96 | 23,3 h | M | 0,01 | 6,5.10-10 | 9,7.10-10 | 0,01 | 1,1.10-9 |
|  |  | S | 0,01 | 6,8.10-10 | 1,0.10-9 |  |  |
| Nb-97 | 1,20 h | M | 0,01 | 4,4.10-11 | 6,9.10-11 | 0,01 | 6,8.10-11 |
|  |  | S | 0,01 | 4,7.10-11 | 7,2.10-11 |  |  |
| Nb-98 | 0,858 h | M | 0,01 | 5,9.10-11 | 9,6.10-11 | 0,01 | 1,1.10-10 |
|  |  | S | 0,01 | 6,1.10-11 | 9,9.10-11 |  |  |
| **Molybdén** |  |  |  |  |  |  |  |
| Mo-90 | 5,67 h | F | 0,8 | 1,7.10-10 | 2,9.10-10 | 0,8 | 3,1.10-10 |
|  |  | S | 0,05 | 3,7.10-10 | 5,6.10-10 | 0,05 | 6,2.10-10 |
| Mo-93 | 3,50 103  r | F | 0,8 | 1,0.10-9 | 1,4.10-9 | 0,8 | 2,6.10-9 |
|  |  | S | 0,05 | 2,2.10-9 | 1,2.10-9 | 0,05 | 2,0.10-10 |
| Mo-93m | 6,85 h | F | 0,8 | 1,0.10-10 | 1,9.10-10 | 0,8 | 1,6.10-10 |
|  |  | S | 0,05 | 1,8.10-10 | 3,0.10-10 | 0,05 | 2,8.10-10 |
| Mo-99 | 2,75 d | F | 0,8 | 2,3.10-10 | 3,6.10-10 | 0,8 | 7,4.10-10 |
|  |  | S | 0,05 | 9,7.10-10 | 1,1.10-9 | 0,05 | 1,2.10-9 |
| Mo-101 | 0,244 h | F | 0,8 | 1,5.10-11 | 2,7.10-11 | 0,8 | 4,2.10-11 |
|  |  | S | 0,05 | 2,7.10-11 | 4,5.10-11 | 0,05 | 4,2.10-11 |
| **technécium** |  |  |  |  |  |  |  |
| Tc-93 | 2,75 h | F | 0,8 | 3,4.10-11 | 6,2.10-11 | 0,8 | 4,9.10-11 |
|  |  | M | 0,8 | 3,6.10-11 | 6,5.10-11 |  |  |
| Tc-93m | 0,725 h | F | 0,8 | 1,5.10-11 | 2,6.10-11 | 0,8 | 2,4.10-11 |
|  |  | M | 0,8 | 1,7.10-11 | 3,1.10-11 |  |  |
| Tc-94 | 4,88 h | F | 0,8 | 1,2.10-10 | 2,1.10-10 | 0,8 | 1,8.10-10 |
|  |  | M | 0,8 | 1,3.10-10 | 2,2.10-10 |  |  |
| Tc-94m | 0,867 h | F | 0,8 | 4,3.10-11 | 6,9.10-11 | 0,8 | 1,1.10-10 |
|  |  | M | 0,8 | 4,9.10-11 | 8,0.10-11 |  |  |
| Tc-95 | 20,0 h | F | 0,8 | 1,0.10-10 | 1,8.10-10 | 0,8 | 1,6.10-10 |
|  |  | M | 0,8 | 1,0.10-10 | 1,8.10-10 |  |  |
| Tc-95m | 61,0 d | F | 0,8 | 3,1.10-10 | 4,8.10-10 | 0,8 | 6,2.10-10 |
|  |  | M | 0,8 | 8,7.10-10 | 8,6.10-10 |  |  |
| Tc-96 | 4,28 d | F | 0,8 | 6,0.10-10 | 9,8.10-10 | 0,8 | 1,1.10-9 |
|  |  | M | 0,8 | 7,1.10-10 | 1,0.10-9 |  |  |
| Tc-96m | 0,858 h | F | 0,8 | 6,5.10-12 | 1,1.10-11 | 0,8 | 1,3.10-11 |
|  |  | M | 0,8 | 7,7.10-12 | 1,1.10-11 |  |  |
| Tc-97 | 2,60 106  r | F | 0,8 | 4,5.10-11 | 7,2.10-11 | 0,8 | 8,3.10-11 |
|  |  | M | 0,8 | 2,1.10-10 | 1,6.10-10 |  |  |
| Tc-97m | 87,0 d | F | 0,8 | 2,8.10-10 | 4,0.10-10 | 0,8 | 6,6.10-10 |
|  |  | M | 0,8 | 3,1.10-9 | 2,7.10-9 |  |  |
| Tc-98 | 4,20 106  r | F | 0,8 | 1,0.10-9 | 1,5.10-9 | 0,8 | 2,3.10-9 |
|  |  | M | 0,8 | 8,1.10-9 | 6,1.10-9 |  |  |
| Tc-99 | 2,13 105  r | F | 0,8 | 2,9.10-10 | 4,0.10-10 | 0,8 | 7,8.10-10 |
|  |  | M | 0,8 | 3,9.10-9 | 3,2.10-9 |  |  |
| Tc-99m | 6,02 h | F | 0,8 | 1,2.10-11 | 2,0.10-11 | 0,8 | 2,2.10-11 |
|  |  | M | 0,8 | 1,9.10-11 | 2,9.10-11 |  |  |
| Tc-101 | 0,237 h | F | 0,8 | 8,7.10-12 | 1,5.10-11 | 0,8 | 1,9.10-11 |
|  |  | M | 0,8 | 1,3.10-11 | 2,1.10-11 |  |  |
| Tc-104 | 0,303 h | F | 0,8 | 2,4.10-11 | 3,9.10-11 | 0,8 | 8,1.10-11 |
|  |  | M | 0,8 | 3,0.10-11 | 4,8.10-11 |  |  |
| **ruténium** |  |  |  |  |  |  |  |
| Ru-94 | 0,863 h | F | 0,05 | 2,7.10-11 | 4,9.10-11 | 0,05 | 9,4.10-11 |
|  |  | M | 0,05 | 4,4.10-11 | 7,2.10-11 |  |  |
|  |  | S | 0,05 | 4,6.10-11 | 7,4.10-11 |  |  |
| Ru-97 | 2,90 d | F | 0,05 | 6,7.10-11 | 1,2.10-10 | 0,05 | 1,5.10-10 |
|  |  | M | 0,05 | 1,1.10-10 | 1,6.10-10 |  |  |
|  |  | S | 0,05 | 1,1.10-10 | 1,6.10-10 |  |  |
| Ru-103 | 39,3 d | F | 0,05 | 4,9.10-10 | 6,8.10-10 | 0,05 | 7,3.10-10 |
|  |  | M | 0,05 | 2,3.10-9 | 1,9.10-9 |  |  |
|  |  | S | 0,05 | 2,8.10-9 | 2,2.10-9 |  |  |
| Ru-105 | 4,44 h | F | 0,05 | 7,1.10-11 | 1,3.10-10 | 0,05 | 2,6.10-10 |
|  |  | M | 0,05 | 1,7.10-10 | 2,4.10-10 |  |  |
|  |  | S | 0,05 | 1,8.10-10 | 2,5.10-10 |  |  |
| Ru-106 | 1,01 r | F | 0,05 | 8,0.10-9 | 9,8.10-9 | 0,05 | 7,0.10-9 |
|  |  | M | 0,05 | 2,6.10-8 | 1,7.10-8 |  |  |
|  |  | S | 0,05 | 6,2.10-8 | 3,5.10-8 |  |  |
| **ródium** |  |  |  |  |  |  |  |
| Rh-99 | 16,0 d | F | 0,05 | 3,3.10-10 | 4,9.10-10 | 0,05 | 5,1.10-10 |
|  |  | M | 0,05 | 7,3.10-10 | 8,2.10-10 |  |  |
|  |  | S | 0,05 | 8,3.10-10 | 8,9.10-10 |  |  |
| Rh-99m | 4,70 h | F | 0,05 | 3,0.10-11 | 5,7.10-11 | 0,05 | 6,6.10-11 |
|  |  | M | 0,05 | 4,1.10-11 | 7,2.10-11 |  |  |
|  |  | S | 0,05 | 4,3.10-11 | 7,3.10-11 |  |  |
| Rh-100 | 20,8 h | F | 0,05 | 2,8.10-10 | 5,1.10-10 | 0,05 | 7,1.10-10 |
|  |  | M | 0,05 | 3,6.10-10 | 6,2.10-10 |  |  |
|  |  | S | 0,05 | 3,7.10-10 | 6,3.10-10 |  |  |
| Rh-101 | 3,20 r | F | 0,05 | 1,4.10-9 | 1,7.10-9 | 0,05 | 5,5.10-10 |
|  |  | M | 0,05 | 2,2.10-9 | 1,7.10-9 |  |  |
|  |  | S | 0,05 | 5,0.10-9 | 3,1.10-9 |  |  |
| Rh-101m | 4,34 d | F | 0,05 | 1,0.10-10 | 1,7.10-10 | 0,05 | 2,2.10-10 |
|  |  | M | 0,05 | 2,0.10-10 | 2,5.10-10 |  |  |
|  |  | S | 0,05 | 2,1.10-10 | 2,7.10-10 |  |  |
| Rh-102 | 2,90 r | F | 0,05 | 7,3.10-9 | 8,9.10-9 | 0,05 | 2,6.10-9 |
|  |  | M | 0,05 | 6,5.10-9 | 5,0.10-9 |  |  |
|  |  | S | 0,05 | 1,6.10-8 | 9,0.10-9 |  |  |
| Rh-102m | 207 d | F | 0,05 | 1,5.10-9 | 1,9.10-9 | 0,05 | 1,2.10-9 |
|  |  | M | 0,05 | 3,8.10-9 | 2,7.10-9 |  |  |
|  |  | S | 0,05 | 6,7.10-9 | 4,2.10-9 |  |  |
| Rh-103m | 0,935 h | F | 0,05 | 8,6.10-13 | 1,2.10-12 | 0,05 | 3,8.10-12 |
|  |  | M | 0,05 | 2,3.10-12 | 2,4.10-12 |  |  |
|  |  | S | 0,05 | 2,5.10-12 | 2,5.10-12 |  |  |
| Rh-105 | 1,47 d | F | 0,05 | 8,7.10-11 | 1,5.10-10 | 0,05 | 3,7.10-10 |
|  |  | M | 0,05 | 3,1.10-10 | 4,1.10-10 |  |  |
|  |  | S | 0,05 | 3,4.10-10 | 4,4.10-10 |  |  |
| Rh-106m | 2,20 h | F | 0,05 | 7,0.10-11 | 1,3.10-10 | 0,05 | 1,6.10-10 |
|  |  | M | 0,05 | 1,1.10-10 | 1,8.10-10 |  |  |
|  |  | S | 0,05 | 1,2.10-10 | 1,9.10-10 |  |  |
| Rh-107 | 0,362 h | F | 0,05 | 9,6.10-12 | 1,6.10-11 | 0,05 | 2,4.10-11 |
|  |  | M | 0,05 | 1,7.10-11 | 2,7.10-11 |  |  |
|  |  | S | 0,05 | 1,7.10-11 | 2,8.10-11 |  |  |
| **Paládium** |  |  |  |  |  |  |  |
| Pd-100 | 3,63 d | F | 0,005 | 4,9.10-10 | 7,6.10-10 | 0,005 | 9,4.10-10 |
|  |  | M | 0,005 | 7,9.10-10 | 9,5.10-10 |  |  |
|  |  | S | 0,005 | 8,3.10-10 | 9,7.10-10 |  |  |
| Pd-101 | 8,27 h | F | 0,005 | 4,2.10-11 | 7,5.10-11 | 0,005 | 9,4.10-11 |
|  |  | M | 0,005 | 6,2.10-11 | 9,8.10-11 |  |  |
|  |  | S | 0,005 | 6,4.10-11 | 1,0.10-10 |  |  |
| Pd-103 | 17,0 d | F | 0,005 | 9,0.10-11 | 1,2.10-10 | 0,005 | 1,9.10-10 |
|  |  | M | 0,005 | 3,5.10-10 | 3,0.10-10 |  |  |
|  |  | S | 0,005 | 4,0.10-10 | 2,9.10-10 |  |  |
| Pd-107 | 6,50 106  r | F | 0,005 | 2,6.10-11 | 3,3.10-11 | 0,005 | 3,7.10-11 |
|  |  | M | 0,005 | 8,0.10-11 | 5,2.10-11 |  |  |
|  |  | S | 0,005 | 5,5.10-10 | 2,9.10-10 |  |  |
| Pd-109 | 13,4 h | F | 0,005 | 1,2.10-10 | 2,1.10-10 | 0,005 | 5,5.10-10 |
|  |  | M | 0,005 | 3,4.10-10 | 4,7.10-10 |  |  |
|  |  | S | 0,005 | 3,6.10-10 | 5,0.10-10 |  |  |
| **Striebro** |  |  |  |  |  |  |  |
| Ag-102 | 0,215 h | F | 0,05 | 1,4.10-11 | 2,4.10-11 | 0,05 | 4,0.10-11 |
|  |  | M | 0,05 | 1,8.10-11 | 3,2.10-11 |  |  |
|  |  | S | 0,05 | 1,9.10-11 | 3,2.10-11 |  |  |
| Ag-103 | 1,09 h | F | 0,05 | 1,6.10-11 | 2,8.10-11 | 0,05 | 4,3.10-11 |
|  |  | M | 0,05 | 2,7.10-11 | 4,3.10-11 |  |  |
|  |  | S | 0,05 | 2,8.10-11 | 4,5.10-11 |  |  |
| Ag-104 | 1,15 h | F | 0,05 | 3,0.10-11 | 5,7.10-11 | 0,05 | 6,0.10-11 |
|  |  | M | 0,05 | 3,9.10-11 | 6,9.10-11 |  |  |
|  |  | S | 0,05 | 4,0.10-11 | 7,1.10-11 |  |  |
| Ag-104m | 0,558 h | F | 0,05 | 1,7.10-11 | 3,1.10-11 | 0,05 | 5,4.10-11 |
|  |  | M | 0,05 | 2,6.10-11 | 4,4.10-11 |  |  |
|  |  | S | 0,05 | 2,7.10-11 | 4,5.10-11 |  |  |
| Ag-105 | 41,0 d | F | 0,05 | 5,4.10-10 | 8,0.10-10 | 0,05 | 4,7.10-10 |
|  |  | M | 0,05 | 6,9.10-10 | 7,0.10-10 |  |  |
|  |  | S | 0,05 | 7,8.10-10 | 7,3.10-10 |  |  |
| Ag-106 | 0,399 h | F | 0,05 | 9,8.10-12 | 1,7.10-11 | 0,05 | 3,2.10-11 |
|  |  | M | 0,05 | 1,6.10-11 | 2,6.10-11 |  |  |
|  |  | S | 0,05 | 1,6.10-11 | 2,7.10-11 |  |  |
| Ag-106m | 8,41 d | F | 0,05 | 1,1.10-9 | 1,6.10-9 | 0,05 | 1,5.10-9 |
|  |  | M | 0,05 | 1,1.10-9 | 1,5.10-9 |  |  |
|  |  | S | 0,05 | 1,1.10-9 | 1,4.10-9 |  |  |
| Ag-108m | 1,27 102  r | F | 0,05 | 6,1.10-9 | 7,3.10-9 | 0,05 | 2,3.10-9 |
|  |  | M | 0,05 | 7,0.10-9 | 5,2.10-9 |  |  |
|  |  | S | 0,05 | 3,5.10-8 | 1,9.10-8 |  |  |
| Ag-110m | 250 d | F | 0,05 | 5,5.10-9 | 6,7.10-9 | 0,05 | 2,8.10-9 |
|  |  | M | 0,05 | 7,2.10-9 | 5,9.10-9 |  |  |
|  |  | S | 0,05 | 1,2.10-8 | 7,3.10-9 |  |  |
| Ag-111 | 7,45 d | F | 0,05 | 4,1.10-10 | 5,7.10-10 | 0,05 | 1,3.10-9 |
|  |  | M | 0,05 | 1,5.10-9 | 1,5.10-9 |  |  |
|  |  | S | 0,05 | 1,7.10-9 | 1,6.10-9 |  |  |
| Ag-112 | 3,12 h | F | 0,05 | 8,2.10-11 | 1,4.10-10 | 0,05 | 4,3.10-10 |
|  |  | M | 0,05 | 1,7.10-10 | 2,5.10-10 |  |  |
|  |  | S | 0,05 | 1,8.10-10 | 2,6.10-10 |  |  |
| Ag-115 | 0,333 h | F | 0,05 | 1,6.10-11 | 2,6.10-11 | 0,05 | 6,0.10-11 |
|  |  | M | 0,05 | 2,8.10-11 | 4,3.10-11 |  |  |
|  |  | S | 0,05 | 3,0.10-11 | 4,4.10-11 |  |  |
| **Kadmium** |  |  |  |  |  |  |  |
| Cd-104 | 0,961 h | F | 0,05 | 2,7.10-11 | 5,0.10-11 | 0,05 | 5,8.10-11 |
|  |  | M | 0,05 | 3,6.10-11 | 6,2.10-11 |  |  |
|  |  | S | 0,05 | 3,7.10-11 | 6,3.10-11 |  |  |
| Cd-107 | 6,49 h | F | 0,05 | 2,3.10-11 | 4,2.10-11 | 0,05 | 6,2.10-11 |
|  |  | M | 0,05 | 8,1.10-11 | 1,0.10-10 |  |  |
|  |  | S | 0,05 | 8,7.10-11 | 1,1.10-10 |  |  |
| Cd-109 | 1,27 r | F | 0,05 | 8,1.10-9 | 9,6.10-9 | 0,05 | 2,0.10-9 |
|  |  | M | 0,05 | 6,2.10-9 | 5,1.10-9 |  |  |
|  |  | S | 0,05 | 5,8.10-9 | 4,4.10-9 |  |  |
| Cd-113 | 9,30 1015  r | F | 0,05 | 1,2.10-7 | 1,4.10-7 | 0,05 | 2,5.10-8 |
|  |  | M | 0,05 | 5,3.10-8 | 4,3.10-8 |  |  |
|  |  | S | 0,05 | 2,5.10-8 | 2,1.10-8 |  |  |
| Cd-113m | 13,6 r | F | 0,05 | 1,1.10-7 | 1,3.10-7 | 0,05 | 2,3.10-8 |
|  |  | M | 0,05 | 5,0.10-8 | 4,0.10-8 |  |  |
|  |  | S | 0,05 | 3,0.10-8 | 2,4.10-8 |  |  |
| Cd-115 | 2,23 d | F | 0,05 | 3,7.10-10 | 5,4.10-10 | 0,05 | 1,4.10-9 |
|  |  | M | 0,05 | 9,7.10-10 | 1,2.10-9 |  |  |
|  |  | S | 0,05 | 1,1.10-9 | 1,3.10-9 |  |  |
| Cd-115m | 44,6 d | F | 0,05 | 5,3.10-9 | 6,4.10-9 | 0,05 | 3,3.10-9 |
|  |  | M | 0,05 | 5,9.10-9 | 5,5.10-9 |  |  |
|  |  | S | 0,05 | 7,3.10-9 | 5,5.10-9 |  |  |
| Cd-117 | 2,49 h | F | 0,05 | 7,3.10-11 | 1,3.10-10 | 0,05 | 2,8.10-10 |
|  |  | M | 0,05 | 1,6.10-10 | 2,4.10-10 |  |  |
|  |  | S | 0,05 | 1,7.10-10 | 2,5.10-10 |  |  |
| Cd-117m | 3,36 h | F | 0,05 | 1,0.10-10 | 1,9.10-10 | 0,05 | 2,8.10-10 |
|  |  | M | 0,05 | 2,0.10-10 | 3,1.10-10 |  |  |
|  |  | S | 0,05 | 2,1.10-10 | 3,2.10-10 |  |  |
| **Indium** |  |  |  |  |  |  |  |
| In-109 | 4,20 h | F | 0,02 | 3,2.10-11 | 5,7.10-11 | 0,02 | 6,6.10-11 |
|  |  | M | 0,02 | 4,4.10-11 | 7,3.10-11 |  |  |
| In-110 | 4,90 h | F | 0,02 | 1,2.10-10 | 2,2.10-10 | 0,02 | 2,4.10-10 |
|  |  | M | 0,02 | 1,4.10-10 | 2,5.10-10 |  |  |
| In-110 | 1,15 h | F | 0,02 | 3,1.10-11 | 5,5.10-11 | 0,02 | 1,0.10-10 |
|  |  | M | 0,02 | 5,0.10-11 | 8,1.10-11 |  |  |
| In-111 | 2,83 d | F | 0,02 | 1,3.10-10 | 2,2.10-10 | 0,02 | 2,9.10-10 |
|  |  | M | 0,02 | 2,3.10-10 | 3,1.10-10 |  |  |
| In-112 | 0,240 h | F | 0,02 | 5,0.10-12 | 8,6.10-12 | 0,02 | 1,0.10-11 |
|  |  | M | 0,02 | 7,8.10-12 | 1,3.10-11 |  |  |
| In-113m | 1,66 h | F | 0,02 | 1,0.10-11 | 1,9.10-11 | 0,02 | 2,8.10-11 |
|  |  | M | 0,02 | 2,0.10-11 | 3,2.10-11 |  |  |
| In-114m | 49,5 d | F | 0,02 | 9,3.10-9 | 1,1.10-8 | 0,02 | 4,1.10-9 |
|  |  | M | 0,02 | 5,9.10-9 | 5,9.10-9 |  |  |
| In-115 | 5,10 1015  r | F | 0,02 | 3,9.10-7 | 4,5.10-7 | 0,02 | 3,2.10-8 |
|  |  | M | 0,02 | 1,5.10-7 | 1,1.10-7 |  |  |
| In-115m | 4,49 h | F | 0,02 | 2,5.10-11 | 4,5.10-11 | 0,02 | 8,6.10-11 |
|  |  | M | 0,02 | 6,0.10-11 | 8,7.10-11 |  |  |
| In-116m | 0,902 h | F | 0,02 | 3,0.10-11 | 5,5.10-11 | 0,02 | 6,4.10-11 |
|  |  | M | 0,02 | 4,8.10-11 | 8,0.10-11 |  |  |
| In-117 | 0,730 h | F | 0,02 | 1,6.10-11 | 2,8.10-11 | 0,02 | 3,1.10-11 |
|  |  | M | 0,02 | 3,0.10-11 | 4,8.10-11 |  |  |
| In-117m | 1,94 h | F | 0,02 | 3,1.10-11 | 5,5.10-11 | 0,02 | 1,2.10-10 |
|  |  | M | 0,02 | 7,3.10-11 | 1,1.10-10 |  |  |
| In-119m | 0,300 h | F | 0,02 | 1,1.10-11 | 1,8.10-11 | 0,02 | 4,7.10-11 |
|  |  | M | 0,02 | 1,8.10-11 | 2,9.10-11 |  |  |
| **Cín** |  |  |  |  |  |  |  |
| Sn-110 | 4,00 h | F | 0,02 | 1,1.10-10 | 1,9.10-10 | 0,02 | 3,5.10-10 |
|  |  | M | 0,02 | 1,6.10-10 | 2,6.10-10 |  |  |
| Sn-111 | 0,588 h | F | 0,02 | 8,3.10-12 | 1,5.10-11 | 0,02 | 2,3.10-11 |
|  |  | M | 0,02 | 1,4.10-11 | 2,2.10-11 |  |  |
| Sn-113 | 115 d | F | 0,02 | 5,4.10-10 | 7,9.10-10 | 0,02 | 7,3.10-10 |
|  |  | M | 0,02 | 2,5.10-9 | 1,9.10-9 |  |  |
| Sn-117m | 13,6 d | F | 0,02 | 2,9.10-10 | 3,9.10-10 | 0,02 | 7,1.10-10 |
|  |  | M | 0,02 | 2,3.10-9 | 2,2.10-9 |  |  |
| Sn-119m | 293 d | F | 0,02 | 2,9.10-10 | 3,6.10-10 | 0,02 | 3,4.10-10 |
|  |  | M | 0,02 | 2,0.10-9 | 1,5.10-9 |  |  |
| Sn-121 | 1,13 d | F | 0,02 | 6,4.10-11 | 1,0.10-10 | 0,02 | 2,3.10-10 |
|  |  | M | 0,02 | 2,2.10-10 | 2,8.10-10 |  |  |
| Sn-121m | 55,0 r | F | 0,02 | 8,0.10-10 | 9,7.10-10 | 0,02 | 3,8.10-10 |
|  |  | M | 0,02 | 4,2.10-9 | 3,3.10-9 |  |  |
| Sn-123 | 129 d | F | 0,02 | 1,2.10-9 | 1,6.10-9 | 0,02 | 2,1.10-9 |
|  |  | M | 0,02 | 7,7.10-9 | 5,6.10-9 |  |  |
| Sn-123m | 0,668 h | F | 0,02 | 1,4.10-11 | 2,4.10-11 | 0,02 | 3,8.10-11 |
|  |  | M | 0,02 | 2,8.10-11 | 4,4.10-11 |  |  |
| Sn-125 | 9,64 d | F | 0,02 | 9,2.10-10 | 1,3.10-9 | 0,02 | 3,1.10-9 |
|  |  | M | 0,02 | 3,0.10-9 | 2,8.10-9 |  |  |
| Sn-126 | 1,00 105  r | F | 0,02 | 1,1.10-8 | 1,4.10-8 | 0,02 | 4,7.10-9 |
|  |  | M | 0,02 | 2,7.10-8 | 1,8.10-8 |  |  |
| Sn-127 | 2,10 h | F | 0,02 | 6,9.10-11 | 1,2.10-10 | 0,02 | 2,0.10-10 |
|  |  | M | 0,02 | 1,3.10-10 | 2,0.10-10 |  |  |
| Sn-128 | 0,985 h | F | 0,02 | 5,4.10-11 | 9,5.10-11 | 0,02 | 1,5.10-10 |
|  |  | M | 0,02 | 9,6.10-11 | 1,5.10-10 |  |  |
| **Antimón** |  |  |  |  |  |  |  |
| Sb-115 | 0,530 h | F | 0,1 | 9,2.10-12 | 1,7.10-11 | 0,1 | 2,4.10-11 |
|  |  | M | 0,01 | 1,4.10-11 | 2,3.10-11 |  |  |
| Sb-116 | 0,263 h | F | 0,1 | 9,9.10-12 | 1,8.10-11 | 0,1 | 2,6.10-11 |
|  |  | M | 0,01 | 1,4.10-11 | 2,3.10-11 |  |  |
| Sb-116m | 1,00 h | F | 0,1 | 3,5.10-11 | 6,4.10-11 | 0,1 | 6,7.10-11 |
|  |  | M | 0,01 | 5,0.10-11 | 8,5.10-11 |  |  |
| Sb-117 | 2,80 h | F | 0,1 | 9,3.10-12 | 1,7.10-11 | 0,1 | 1,8.10-11 |
|  |  | M | 0,01 | 1,7.10-11 | 2,7.10-11 |  |  |
| Sb-118m | 5,00 h | F | 0,1 | 1,0.10-10 | 1,9.10-10 | 0,1 | 2,1.10-10 |
|  |  | M | 0,01 | 1,3.10-10 | 2,3.10-10 |  |  |
| Sb-119 | 1,59 d | F | 0,1 | 2,5.10-11 | 4,5.10-11 | 0,1 | 8,1.10-11 |
|  |  | M | 0,01 | 3,7.10-11 | 5,9.10-11 |  |  |
| Sb-120 | 5,76 d | F | 0,1 | 5,9.10-10 | 9,8.10-10 | 0,1 | 1,2.10-9 |
|  |  | M | 0,01 | 1,0.10-9 | 1,3.10-9 |  |  |
| Sb-120 | 0,265 h | F | 0,1 | 4,9.10-12 | 8,5.10-12 | 0,1 | 1,4.10-11 |
|  |  | M | 0,01 | 7,4.10-12 | 1,2.10-11 |  |  |
| Sb-122 | 2,70 d | F | 0,1 | 3,9.10-10 | 6,3.10-10 | 0,1 | 1,7.10-9 |
|  |  | M | 0,01 | 1,0.10-9 | 1,2.10-9 |  |  |
| Sb-124 | 60,2 d | F | 0,1 | 1,3.10-9 | 1,9.10-9 | 0,1 | 2,5.10-9 |
|  |  | M | 0,01 | 6,1.10-9 | 4,7.10-9 |  |  |
| Sb-124m | 0,337 h | F | 0,1 | 3,0.10-12 | 5,3.10-12 | 0,1 | 8,0.10-12 |
|  |  | M | 0,01 | 5,5.10-12 | 8,3.10-12 |  |  |
| Sb-125 | 2,77 r | F | 0,1 | 1,4.10-9 | 1,7.10-9 | 0,1 | 1,1.10-9 |
|  |  | M | 0,01 | 4,5.10-9 | 3,3.10-9 |  |  |
| Sb-126 | 12,4 d | F | 0,1 | 1,1.10-9 | 1,7.10-9 | 0,1 | 2,4.10-9 |
|  |  | M | 0,01 | 2,7.10-9 | 3,2.10-9 |  |  |
| Sb-126m | 0,317 h | F | 0,1 | 1,3.10-11 | 2,3.10-11 | 0,1 | 3,6.10-11 |
|  |  | M | 0,01 | 2,0.10-11 | 3,3.10-11 |  |  |
| Sb-127 | 3,85 d | F | 0,1 | 4,6.10-10 | 7,4.10-10 | 0,1 | 1,7.10-9 |
|  |  | M | 0,01 | 1,6.10-9 | 1,7.10-9 |  |  |
| Sb-128 | 9,01 h | F | 0,1 | 2,5.10-10 | 4,6.10-10 | 0,1 | 7,6.10-10 |
|  |  | M | 0,01 | 4,2.10-10 | 6,7.10-10 |  |  |
| Sb-128 | 0,173 h | F | 0,1 | 1,1.10-11 | 1,9.10-11 | 0,1 | 3,3.10-11 |
|  |  | M | 0,01 | 1,5.10-11 | 2,6.10-11 |  |  |
| Sb-129 | 4,32 h | F | 0,1 | 1,1.10-10 | 2,0.10-10 | 0,1 | 4,2.10-10 |
|  |  | M | 0,01 | 2,4.10-10 | 3,5.10-10 |  |  |
| Sb-130 | 0,667 h | F | 0,1 | 3,5.10-11 | 6,3.10-11 | 0,1 | 9,1.10-11 |
|  |  | M | 0,01 | 5,4.10-11 | 9,1.10-11 |  |  |
| Sb-131 | 0,383 h | F | 0,1 | 3,7.10-11 | 5,9.10-11 | 0,1 | 1,0.10-10 |
|  |  | M | 0,01 | 5,2.10-11 | 8,3.10-11 |  |  |
| **Telúr** |  |  |  |  |  |  |  |
| Te-116 | 2,49 h | F | 0,3 | 6,3.10-11 | 1,2.10-10 | 0,3 | 1,7.10-10 |
|  |  | M | 0,3 | 1,1.10-10 | 1,7.10-10 |  |  |
| Te-121 | 17,0 d | F | 0,3 | 2,5.10-10 | 3,9.10-10 | 0,3 | 4,3.10-10 |
|  |  | M | 0,3 | 3,9.10-10 | 4,4.10-10 |  |  |
| Te-121m | 154 d | F | 0,3 | 1,8.10-9 | 2,3.10-9 | 0,3 | 2,3.10-9 |
|  |  | M | 0,3 | 4,2.10-9 | 3,6.10-9 |  |  |
| Te-123 | 1,00.1013  r | F | 0,3 | 4,0.10-9 | 5,0.10-9 | 0,3 | 4,4.10-9 |
|  |  | M | 0,3 | 2,6.10-9 | 2,8.10-9 |  |  |
| Te-123m | 120 d | F | 0,3 | 9,7.10-10 | 1,2.10-9 | 0,3 | 1,4.10-9 |
|  |  | M | 0,3 | 3,9.10-9 | 3,4.10-9 |  |  |
| Te-125m | 58,0 d | F | 0,3 | 5,1.10-10 | 6,7.10-10 | 0,3 | 8,7.10-10 |
|  |  | M | 0,3 | 3,3.10-9 | 2,9.10-9 |  |  |
| Te-127 | 9,35 h | F | 0,3 | 4,2.10-11 | 7,2.10-11 | 0,3 | 1,7.10-10 |
|  |  | M | 0,3 | 1,2.10-10 | 1,8.10-10 |  |  |
| Te-127m | 109 d | F | 0,3 | 1,6.10-9 | 2,0.10-9 | 0,3 | 2,3.10-9 |
|  |  | M | 0,3 | 7,2.10-9 | 6,2.10-9 |  |  |
| Te-129 | 1,16 h | F | 0,3 | 1,7.10-11 | 2,9.10-11 | 0,3 | 6,3.10-11 |
|  |  | M | 0,3 | 3,8.10-11 | 5,7.10-11 |  |  |
| Te-129m | 33,6 d | F | 0,3 | 1,3.10-9 | 1,8.10-9 | 0,3 | 3,0.10-9 |
|  |  | M | 0,3 | 6,3.10-9 | 5,4.10-9 |  |  |
| Te-131 | 0,417 h | F | 0,3 | 2,3.10-11 | 4,6.10-11 | 0,3 | 8,7.10-11 |
|  |  | M | 0,3 | 3,8.10-11 | 6,1.10-11 |  |  |
| Te-131m | 1,25 d | F | 0,3 | 8,7.10-10 | 1,2.10-9 | 0,3 | 1,9.10-9 |
|  |  | M | 0,3 | 1,1.10-9 | 1,6.10-9 |  |  |
| Te-132 | 3,26 d | F | 0,3 | 1,8.10-9 | 2,4.10-9 | 0,3 | 3,7.10-9 |
|  |  | M | 0,3 | 2,2.10-9 | 3,0.10-9 |  |  |
| Te-133 | 0,207 h | F | 0,3 | 2,0.10-11 | 3,8.10-11 | 0,3 | 7,2.10-11 |
|  |  | M | 0,3 | 2,7.10-11 | 4,4.10-11 |  |  |
| Te-133m | 0,923 h | F | 0,3 | 8,4.10-11 | 1,2.10-10 | 0,3 | 2,8.10-10 |
|  |  | M | 0,3 | 1,2.10-10 | 1,9.10-10 |  |  |
| Te-134 | 0,696 h | F | 0,3 | 5,0.10-11 | 8,3.10-11 | 0,3 | 1,1.10-10 |
|  |  | M | 0,3 | 7,1.10-11 | 1,1.10-10 |  |  |
| **Jód** |  |  |  |  |  |  |  |
| I-120 | 1,35 h | F | 1 | 1,0.10-10 | 1,9.10-10 | 1 | 3,4.10-10 |
| I-120m | 0,883 h | F | 1 | 8,7.10-11 | 1,4.10-10 | 1 | 2,1.10-10 |
| I-121 | 2,12 h | F | 1 | 2,8.10-11 | 3,9.10-11 | 1 | 8,2.10-11 |
| I-123 | 13,2 h | F | 1 | 7,6.10-11 | 1,1.10-10 | 1 | 2,1.10-10 |
| I-124 | 4,18 d | F | 1 | 4,5.10-9 | 6,3.10-9 | 1 | 1,3.10-8 |
| I-125 | 60,1 d | F | 1 | 5,3.10-9 | 7,3.10-9 | 1 | 1,5.10-8 |
| I-126 | 13,0 d | F | 1 | 1,0.10-8 | 1,4.10-8 | 1 | 2,9.10-8 |
| I-128 | 0,416 h | F | 1 | 1,4.10-11 | 2,2.10-11 | 1 | 4,6.10-11 |
| I-129 | 1,57 107  r | F | 1 | 3,7.10-8 | 5,1.10-8 | 1 | 1,1.10-7 |
| I-130 | 12,4 h | F | 1 | 6,9.10-10 | 9,6.10-10 | 1 | 2,0.10-9 |
| I-131 | 8,04 d | F | 1 | 7,6.10-9 | 1,1.10-8 | 1 | 2,2.10-8 |
| I-132 | 2,30 h | F | 1 | 9,6.10-11 | 2,0.10-10 | 1 | 2,9.10-10 |
| I-132m | 1,39 h | F | 1 | 8,1.10-11 | 1,1.10-10 | 1 | 2,2.10-10 |
| I-133 | 20,8 h | F | 1 | 1,5.10-9 | 2,1.10-9 | 1 | 4,3.10-9 |
| I-134 | 0,876 h | F | 1 | 4,8.10-11 | 7,9.10-11 | 1 | 1,1.10-10 |
| I-135 | 6,61 h | F | 1 | 3,3.10-10 | 4,6.10-10 | 1 | 9,3.10-10 |
| **Cézium** |  |  |  |  |  |  |  |
| Cs-125 | 0,750 h | F | 1 | 1,3.10-11 | 2,3.10-11 | 1 | 3,5.10-11 |
| Cs-127 | 6,25 h | F | 1 | 2,2.10-11 | 4,0.10-11 | 1 | 2,4.10-11 |
| Cs-129 | 1,34 d | F | 1 | 4,5.10-11 | 8,1.10-11 | 1 | 6,0.10-11 |
| Cs-130 | 0,498 h | F | 1 | 8,4.10-12 | 1,5.10-11 | 1 | 2,8.10-11 |
| Cs-131 | 9,69 d | F | 1 | 2,8.10-11 | 4,5.10-11 | 1 | 5,8.10-11 |
| Cs-132 | 6,48 d | F | 1 | 2,4.10-10 | 3,8.10-10 | 1 | 5,0.10-10 |
| Cs-134 | 2,06 r | F | 1 | 6,8.10-9 | 9,6.10-9 | 1 | 1,9.10-8 |
| Cs-134m | 2,90 h | F | 1 | 1,5.10-11 | 2,6.10-11 | 1 | 2,0.10-11 |
| Cs-135 | 2,30 106  r | F | 1 | 7,1.10-10 | 9,9.10-10 | 1 | 2,0.10-9 |
| Cs-135m | 0,883 h | F | 1 | 1,3.10-11 | 2,4.10-11 | 1 | 1,9.10-11 |
| Cs-136 | 13,1 d | F | 1 | 1,3.10-9 | 1,9.10-9 | 1 | 3,0.10-9 |
| Cs-137 | 30,0 r | F | 1 | 4,8.10-9 | 6,7.10-9 | 1 | 1,3.10-8 |
| Cs-138 | 0,536 h | F | 1 | 2,6.10-11 | 4,6.10-11 | 1 | 9,2.10-11 |
| **Báryum** |  |  |  |  |  |  |  |
| Ba-126 | 1,61 h | F | 0,1 | 7,8.10-11 | 1,2.10-10 | 0,1 | 2,6.10-10 |
| Ba-128 | 2,43 h | F | 0,1 | 8,0.10-10 | 1,3.10-9 | 0,1 | 2,7.10-9 |
| Ba-131 | 11,8 d | F | 0,1 | 2,3.10-10 | 3,5.10-10 | 0,1 | 4,5.10-10 |
| Ba-131m | 0,243 h | F | 0,1 | 4,1.10-12 | 6,4.10-12 | 0,1 | 4,9.10-12 |
| Ba-133 | 10,7 r | F | 0,1 | 1,5.10-9 | 1,8.10-9 | 0,1 | 1,0.10-9 |
| Ba-133m | 1,62 d | F | 0,1 | 1,9.10-10 | 2,8.10-10 | 0,1 | 5,5.10-10 |
| Ba-135m | 1,20 d | F | 0,1 | 1,5.10-10 | 2,3.10-10 | 0,1 | 4,5.10-10 |
| Ba-139 | 1,38 h | F | 0,1 | 3,5.10-11 | 5,5.10-11 | 0,1 | 1,2.10-10 |
| Ba-140 | 12,7 d | F | 0,1 | 1,0.10-9 | 1,6.10-9 | 0,1 | 2,5.10-9 |
| Ba-141 | 0,305 h | F | 0,1 | 2,2.10-11 | 3,5.10-11 | 0,1 | 7,0.10-11 |
| Ba-142 | 0,177 h | F | 0,1 | 1,6.10-11 | 2,7.10-11 | 0,1 | 3,5.10-11 |
| **Lantán** |  |  |  |  |  |  |  |
| La-131 | 0,983 h | F | 5,0.10-4 | 1,4.10-11 | 2,4.10-11 | 5,0.10-4 | 3,5.10-11 |
|  |  | M | 5,0.10-4 | 2,3.10-11 | 3,6.10-11 |  |  |
| La-132 | 4,80 h | F | 5,0.10-4 | 1,1.10-10 | 2,0.10-10 | 5,0.10-4 | 3,9.10-10 |
|  |  | M | 5,0.10-4 | 1,7.10-10 | 2,8.10-10 |  |  |
| La-135 | 19,5 h | F | 5,0.10-4 | 1,1.10-11 | 2,0.10-11 | 5,0.10-4 | 3,0.10-11 |
|  |  | M | 5,0.10-4 | 1,5.10-11 | 2,5.10-11 |  |  |
| La-137 | 6,00 104  r | F | 5,0.10-4 | 8,6.10-9 | 1,0.10-8 | 5,0.10-4 | 8,1.10-11 |
|  |  | M | 5,0.10-4 | 3,4.10-9 | 2,3.10-9 |  |  |
| La-138 | 1,35 1011  r | F | 5,0.10-4 | 1,5.10-7 | 1,8.10-7 | 5,0.10-4 | 1,1.10-9 |
|  |  | M | 5,0.10-4 | 6,1.10-8 | 4,2.10-8 |  |  |
| La-140 | 1,68 d | F | 5,0.10-4 | 6,0.10-10 | 1,0.10-9 | 5,0.10-4 | 2,0.10-9 |
|  |  | M | 5,0.10-4 | 1,1.10-9 | 1,5.10-9 |  |  |
| La-141 | 3,93 h | F | 5,0.10-4 | 6,7.10-11 | 1,1.10-10 | 5,0.10-4 | 3,6.10-10 |
|  |  | M | 5,0.10-4 | 1,5.10-10 | 2,2.10-10 |  |  |
| La-142 | 1,54 h | F | 5,0.10-4 | 5,6.10-11 | 1,0.10-10 | 5,0.10-4 | 1,8.10-10 |
|  |  | M | 5,0.10-4 | 9,3.10-11 | 1,5.10-10 |  |  |
| La-143 | 0,237 h | F | 5,0.10-4 | 1,2.10-11 | 2,0.10-11 | 5,0.10-4 | 5,6.10-11 |
|  |  | M | 5,0.10-4 | 2,2.10-11 | 3,3.10-11 |  |  |
| **Cér** |  |  |  |  |  |  |  |
| Ce-134 | 3,00 d | M | 5,0.10-4 | 1,3.10-9 | 1,5.10-9 | 5,0.10-4 | 2,5.10-9 |
|  |  | S | 5,0.10-4 | 1,3.10-9 | 1,6.10-9 |  |  |
| Ce-135 | 17,6 h | M | 5,0.10-4 | 4,9.10-10 | 7,3.10-10 | 5,0.10-4 | 7,9.10-10 |
|  |  | S | 5,0.10-4 | 5,1.10-10 | 7,6.10-10 |  |  |
| Ce-137 | 9,00 h | M | 5,0.10-4 | 1,0.10-11 | 1,8.10-11 | 5,0.10-4 | 2,5.10-11 |
|  |  | S | 5,0.10-4 | 1,1.10-11 | 1,9.10-11 |  |  |
| Ce-137m | 1,43 d | M | 5,0.10-4 | 4,0.10-10 | 5,5.10-10 | 5,0.10-4 | 5,4.10-10 |
|  |  | S | 5,0.10-4 | 4,3.10-10 | 5,9.10-10 |  |  |
| Ce-139 | 138 d | M | 5,0.10-4 | 1,6.10-9 | 1,3.10-9 | 5,0.10-4 | 2,6.10-10 |
|  |  | S | 5,0.10-4 | 1,8.10-9 | 1,4.10-9 |  |  |
| Ce-141 | 32,5 d | M | 5,0.10-4 | 3,1.10-9 | 2,7.10-9 | 5,0.10-4 | 7,1.10-10 |
|  |  | S | 5,0.10-4 | 3,6.10-9 | 3,1.10-9 |  |  |
| Ce-143 | 1,38 d | M | 5,0.10-4 | 7,4.10-10 | 9,5.10-10 | 5,0.10-4 | 1,1.10-9 |
|  |  | S | 5,0.10-4 | 8,1.10-10 | 1,0.10-9 |  |  |
| Ce-144 | 284 d | M | 5,0.10-4 | 3,4.10-8 | 2,3.10-8 | 5,0.10-4 | 5,2.10-9 |
|  |  | S | 5,0.10-4 | 4,9.10-8 | 2,9.10-8 |  |  |
| **Prazeodým** |  |  |  |  |  |  |  |
| Pr-136 | 0,218 h | M | 5,0.10-4 | 1,4.10-11 | 2,4.10-11 | 5,0.10-4 | 3,3.10-11 |
|  |  | S | 5,0.10-4 | 1,5.10-11 | 2,5.10-11 |  |  |
| Pr-137 | 1,28 h | M | 5,0.10-4 | 2,1.10-11 | 3,4.10-11 | 5,0.10-4 | 4,0.10-11 |
|  |  | S | 5,0.10-4 | 2,2.10-11 | 3,5.10-11 |  |  |
| Pr-138m | 2,10 h | M | 5,0.10-4 | 7,6.10-11 | 1,3.10-10 | 5,0.10-4 | 1,3.10-10 |
|  |  | S | 5,0.10-4 | 7,9.10-11 | 1,3.10-10 |  |  |
| Pr-139 | 4,51 h | M | 5,0.10-4 | 1,9.10-11 | 2,9.10-11 | 5,0.10-4 | 3,1.10-11 |
|  |  | S | 5,0.10-4 | 2,0.10-11 | 3,0.10-11 |  |  |
| Pr-142 | 19,1 h | M | 5,0.10-4 | 5,3.10-10 | 7,0.10-10 | 5,0.10-4 | 1,3.10-9 |
|  |  | S | 5,0.10-4 | 5,6.10-10 | 7,4.10-10 |  |  |
| Pr-142m | 0,243 h | M | 5,0.10-4 | 6,7.10-12 | 8,9.10-12 | 5,0.10-4 | 1,7.10-11 |
|  |  | S | 5,0.10-4 | 7,1.10-12 | 9,4.10-12 |  |  |
| Pr-143 | 13,6 d | M | 5,0.10-4 | 2,1.10-9 | 1,9.10-9 | 5,0.10-4 | 1,2.10-9 |
|  |  | S | 5,0.10-4 | 2,3.10-9 | 2,2.10-9 |  |  |
| Pr-144 | 0,288 h | M | 5,0.10-4 | 1,8.10-11 | 2,9.10-11 | 5,0.10-4 | 5,0.10-11 |
|  |  | S | 5,0.10-4 | 1,9.10-11 | 3,0.10-11 |  |  |
| Pr-145 | 5,98 h | M | 5,0.10-4 | 1,6.10-10 | 2,5.10-10 | 5,0.10-4 | 3,9.10-10 |
|  |  | S | 5,0.10-4 | 1,7.10-10 | 2,6.10-10 |  |  |
| Pr-147 | 0,227 h | M | 5,0.10-4 | 1,8.10-11 | 2,9.10-11 | 5,0.10-4 | 3,3.10-11 |
|  |  | S | 5,0.10-4 | 1,9.10-11 | 3,0.10-11 |  |  |
| **Neodým** |  |  |  |  |  |  |  |
| Nd-136 | 0,844 h | M | 5,0.10-4 | 5,3.10-11 | 8,5.10-11 | 5,0.10-4 | 9,9.10-11 |
|  |  | S | 5,0.10-4 | 5,6.10-11 | 8,9.10-11 |  |  |
| Nd-138 | 5,04 h | M | 5,0.10-4 | 2,4.10-10 | 3,7.10-10 | 5,0.10-4 | 6,4.10-10 |
|  |  | S | 5,0.10-4 | 2,6.10-10 | 3,8.10-10 |  |  |
| Nd-139 | 0,495 h | M | 5,0.10-4 | 1,0.10-11 | 1,7.10-11 | 5,0.10-4 | 2,0.10-11 |
|  |  | S | 5,0.10-4 | 1,1.10-11 | 1,7.10-11 |  |  |
| Nd-139m | 5,50 h | M | 5,0.10-4 | 1,5.10-10 | 2,5.10-10 | 5,0.10-4 | 2,5.10-10 |
|  |  | S | 5,0.10-4 | 1,6.10-10 | 2,5.10-10 |  |  |
| Nd-141 | 2,49 h | M | 5,0.10-4 | 5,1.10-12 | 8,5.10-12 | 5,0.10-4 | 8,3.10-12 |
|  |  | S | 5,0.10-4 | 5,3.10-12 | 8,8.10-12 |  |  |
| Nd-147 | 11,0 d | M | 5,0.10-4 | 2,0.10-9 | 1,9.10-9 | 5,0.10-4 | 1,1.10-9 |
|  |  | S | 5,0.10-4 | 2,3.10-9 | 2,1.10-9 |  |  |
| Nd-149 | 1,73 h | M | 5,0.10-4 | 8,5.10-11 | 1,2.10-10 | 5,0.10-4 | 1,2.10-10 |
|  |  | S | 5,0.10-4 | 9,0.10-11 | 1,3.10-10 |  |  |
| Nd-151 | 0,207 h | M | 5,0.10-4 | 1,7.10-11 | 2,8.10-11 | 5,0.10-4 | 3,0.10-11 |
|  |  | S | 5,0.10-4 | 1,8.10-11 | 2,9.10-11 |  |  |
| **Prométium** |  |  |  |  |  |  |  |
| Pm-141 | 0,348 h | M | 5,0.10-4 | 1,5.10-11 | 2,4.10-11 | 5,0.10-4 | 3,6.10-11 |
|  |  | S | 5,0.10-4 | 1,6.10-11 | 2,5.10-11 |  |  |
| Pm-143 | 265 d | M | 5,0.10-4 | 1,4.10-9 | 9,6.10-10 | 5,0.10-4 | 2,3.10-10 |
|  |  | S | 5,0.10-4 | 1,3.10-9 | 8,3.10-10 |  |  |
| Pm-144 | 363 d | M | 5,0.10-4 | 7,8.10-9 | 5,4.10-9 | 5,0.10-4 | 9,7.10-10 |
|  |  | S | 5,0.10-4 | 7,0.10-9 | 3,9.10-9 |  |  |
| Pm-145 | 17,7 r | M | 5,0.10-4 | 3,4.10-9 | 2,4.10-9 | 5,0.10-4 | 1,1.10-10 |
|  |  | S | 5,0.10-4 | 2,1.10-9 | 1,2.10-9 |  |  |
| Pm-146 | 5,53 r | M | 5,0.10-4 | 1,9.10-8 | 1,3.10-8 | 5,0.10-4 | 9,0.10-10 |
|  |  | S | 5,0.10-4 | 1,6.10-8 | 9,0.10-9 |  |  |
| Pm-147 | 2,62 r | M | 5,0.10-4 | 4,7.10-9 | 3,5.10-9 | 5,0.10-4 | 2,6.10-10 |
|  |  | S | 5,0.10-4 | 4,6.10-9 | 3,2.10-9 |  |  |
| Pm-148 | 5,37 d | M | 5,0.10-4 | 2,0.10-9 | 2,1.10-9 | 5,0.10-4 | 2,7.10-9 |
|  |  | S | 5,0.10-4 | 2,1.10-9 | 2,2.10-9 |  |  |
| Pm-148m | 41,3 d | M | 5,0.10-4 | 4,9.10-9 | 4,1.10-9 | 5,0.10-4 | 1,8.10-9 |
|  |  | S | 5,0.10-4 | 5,4.10-9 | 4,3.10-9 |  |  |
| Pm-149 | 2,21 d | M | 5,0.10-4 | 6,6.10-10 | 7,6.10-10 | 5,0.10-4 | 9,9.10-10 |
|  |  | S | 5,0.10-4 | 7,2.10-10 | 8,2.10-10 |  |  |
| Pm-150 | 2,68 h | M | 5,0.10-4 | 1,3.10-10 | 2,0.10-10 | 5,0.10-4 | 2,6.10-10 |
|  |  | S | 5,0.10-4 | 1,4.10-10 | 2,1.10-10 |  |  |
| Pm-151 | 1,18 d | M | 5,0.10-4 | 4,2.10-10 | 6,1.10-10 | 5,0.10-4 | 7,3.10-10 |
|  |  | S | 5,0.10-4 | 4,5.10-10 | 6,4.10-10 |  |  |
| **Samárium** |  |  |  |  |  |  |  |
| Sm-141 | 0,170 h | M | 5,0.10-4 | 1,6.10-11 | 2,7.10-11 | 5,0.10-4 | 3,9.10-11 |
| Sm-141m | 0,377 h | M | 5,0.10-4 | 3,4.10-11 | 5,6.10-11 | 5,0.10-4 | 6,5.10-11 |
| Sm-142 | 1,21 h | M | 5,0.10-4 | 7,4.10-11 | 1,1.10-10 | 5,0.10-4 | 1,9.10-10 |
| Sm-145 | 340 d | M | 5,0.10-4 | 1,5.10-9 | 1,1.10-9 | 5,0.10-4 | 2,1.10-10 |
| Sm-146 | 1,03 108  r | M | 5,0.10-4 | 9,9.10-6 | 6,7.10-6 | 5,0.10-4 | 5,4.10-8 |
| Sm-147 | 1,06 1011  r | M | 5,0.10-4 | 8,9.10-6 | 6,1.10-6 | 5,0.10-4 | 4,9.10-8 |
| Sm-151 | 90,0 r | M | 5,0.10-4 | 3,7.10-9 | 2,6.10-9 | 5,0.10-4 | 9,8.10-11 |
| Sm-153 | 1,95 d | M | 5,0.10-4 | 6,1.10-10 | 6,8.10-10 | 5,0.10-4 | 7,4.10-10 |
| Sm-155 | 0,368 h | M | 5,0.10-4 | 1,7.10-11 | 2,8.10-11 | 5,0.10-4 | 2,9.10-11 |
| Sm-156 | 9,40 h | M | 5,0.10-4 | 2,1.10-10 | 2,8.10-10 | 5,0.10-4 | 2,5.10-10 |
| **Európium** |  |  |  |  |  |  |  |
| Eu-145 | 5,94 d | M | 5,0.10-4 | 5,6.10-10 | 7,3.10-10 | 5,0.10-4 | 7,5.10-10 |
| Eu-146 | 4,61 d | M | 5,0.10-4 | 8,2.10-10 | 1,2.10-9 | 5,0.10-4 | 1,3.10-9 |
| Eu-147 | 24,0 d | M | 5,0.10-4 | 1,0.10-9 | 1,0.10-9 | 5,0.10-4 | 4,4.10-10 |
| Eu-148 | 54,5 d | M | 5,0.10-4 | 2,7.10-9 | 2,3.10-9 | 5,0.10-4 | 1,3.10-9 |
| Eu-149 | 93,1 d | M | 5,0.10-4 | 2,7.10-10 | 2,3.10-10 | 5,0.10-4 | 1,0.10-10 |
| Eu-150 | 34,2 r | M | 5,0.10-4 | 5,0.10-8 | 3,4.10-8 | 5,0.10-4 | 1,3.10-9 |
| Eu-150 | 12,6 h | M | 5,0.10-4 | 1,9.10-10 | 2,8.10-10 | 5,0.10-4 | 3,8.10-10 |
| Eu-152 | 13,3 r | M | 5,0.10-4 | 3,9.10-8 | 2,7.10-8 | 5,0.10-4 | 1,4.10-9 |
| Eu-152m | 9,32 h | M | 5,0.10-4 | 2,2.10-10 | 3,2.10-10 | 5,0.10-4 | 5,0.10-10 |
| Eu-154 | 8,80 r | M | 5,0.10-4 | 5,0.10-8 | 3,5.10-8 | 5,0.10-4 | 2,0.10-9 |
| Eu-155 | 4,96 r | M | 5,0.10-4 | 6,5.10-9 | 4,7.10-9 | 5,0.10-4 | 3,2.10-10 |
| Eu-156 | 15,2 d | M | 5,0.10-4 | 3,3.10-9 | 3,0.10-9 | 5,0.10-4 | 2,2.10-9 |
| Eu-157 | 15,1 h | M | 5,0.10-4 | 3,2.10-10 | 4,4.10-10 | 5,0.10-4 | 6,0.10-10 |
| Eu-158 | 0,765 h | M | 5,0.10-4 | 4,8.10-11 | 7,5.10-11 | 5,0.10-4 | 9,4.10-11 |
| **Gadolínium** |  |  |  |  |  |  |  |
| Gd-145 | 0,382 h | F | 5,0.10-4 | 1,5.10-11 | 2,6.10-11 | 5,0.10-4 | 4,4.10-11 |
|  |  | M | 5,0.10-4 | 2,1.10-11 | 3,5.10-11 |  |  |
| Gd-146 | 48,3 d | F | 5,0.10-4 | 4,4.10-9 | 5,2.10-9 | 5,0.10-4 | 9,6.10-10 |
|  |  | M | 5,0.10-4 | 6,0.10-9 | 4,6.10-9 |  |  |
| Gd-147 | 1,59 d | F | 5,0.10-4 | 2,7.10-10 | 4,5.10-10 | 5,0.10-4 | 6,1.10-10 |
|  |  | M | 5,0.10-4 | 4,1.10-10 | 5,9.10-10 |  |  |
| Gd-148 | 93,0 r | F | 5,0.10-4 | 2,5.10-5 | 3,0.10-5 | 5,0.10-4 | 5,5.10-8 |
|  |  | M | 5,0.10-4 | 1,1.10-5 | 7,2.10-6 |  |  |
| Gd-149 | 9,40 d | F | 5,0.10-4 | 2,6.10-10 | 4,5.10-10 | 5,0.10-4 | 4,5.10-10 |
|  |  | M | 5,0.10-4 | 7,0.10-10 | 7,9.10-10 |  |  |
| Gd-151 | 120 d | F | 5,0.10-4 | 7,8.10-10 | 9,3.10-10 | 5,0.10-4 | 2,0.10-10 |
|  |  | M | 5,0.10-4 | 8,1.10-10 | 6,5.10-10 |  |  |
| Gd-152 | 1,08 1014  r | F | 5,0.10-4 | 1,9.10-5 | 2,2.10-5 | 5,0.10-4 | 4,1.10-8 |
|  |  | M | 5,0.10-4 | 7,4.10-6 | 5,0.10-6 |  |  |
| Gd-153 | 242 d | F | 5,0.10-4 | 2,1.10-9 | 2,5.10-9 | 5,0.10-4 | 2,7.10-10 |
|  |  | M | 5,0.10-4 | 1,9.10-9 | 1,4.10-9 |  |  |
| Gd-159 | 18,6 h | F | 5,0.10-4 | 1,1.10-10 | 1,8.10-10 | 5,0.10-4 | 4,9.10-10 |
|  |  | M | 5,0.10-4 | 2,7.10-10 | 3,9.10-10 |  |  |
| **Terbium** |  |  |  |  |  |  |  |
| Tb-147 | 1,65 h | M | 5,0.10-4 | 7,9.10-11 | 1,2.10-10 | 5,0.10-4 | 1,6.10-10 |
| Tb-149 | 4,15 h | M | 5,0.10-4 | 4,3.10-9 | 3,1.10-9 | 5,0.10-4 | 2,5.10-10 |
| Tb-150 | 3,27 h | M | 5,0.10-4 | 1,1.10-10 | 1,8.10-10 | 5,0.10-4 | 2,5.10-10 |
| Tb-151 | 17,6 h | M | 5,0.10-4 | 2,3.10-10 | 3,3.10-10 | 5,0.10-4 | 3,4.10-10 |
| Tb-153 | 2,34 d | M | 5,0.10-4 | 2,0.10-10 | 2,4.10-10 | 5,0.10-4 | 2,5.10-10 |
| Tb-154 | 21,4 h | M | 5,0.10-4 | 3,8.10-10 | 6,0.10-10 | 5,0.10-4 | 6,5.10-10 |
| Tb-155 | 5,32 d | M | 5,0.10-4 | 2,1.10-10 | 2,5.10-10 | 5,0.10-4 | 2,1.10-10 |
| Tb-156 | 5,34 d | M | 5,0.10-4 | 1,2.10-9 | 1,4.10-9 | 5,0.10-4 | 1,2.10-9 |
| Tb-156m | 1,02 d | M | 5,0.10-4 | 2,0.10-10 | 2,3.10-10 | 5,0.10-4 | 1,7.10-10 |
| Tb-156m | 5,00 h | M | 5,0.10-4 | 9,2.10-11 | 1,3.10-10 | 5,0.10-4 | 8,1.10-11 |
| Tb-157 | 1,50 102  r | M | 5,0.10-4 | 1,1.10-9 | 7,9.10-10 | 5,0.10-4 | 3,4.10-11 |
| Tb-158 | 1,50 102  r | M | 5,0.10-4 | 4,3.10-8 | 3,0.10-8 | 5,0.10-4 | 1,1.10-9 |
| Tb-160 | 72,3 d | M | 5,0.10-4 | 6,6.10-9 | 5,4.10-9 | 5,0.10-4 | 1,6.10-9 |
| Tb-161 | 6,91 d | M | 5,0.10-4 | 1,2.10-9 | 1,2.10-9 | 5,0.10-4 | 7,2.10-10 |
| **Dysprózium** |  |  |  |  |  |  |  |
| Dy-155 | 10,0 h | M | 5,0.10-4 | 8,0.10-11 | 1,2.10-10 | 5,0.10-4 | 1,3.10-10 |
| Dy-157 | 8,10 h | M | 5,0.10-4 | 3,2.10-11 | 5,5.10-11 | 5,0.10-4 | 6,1.10-11 |
| Dy-159 | 144 d | M | 5,0.10-4 | 3,5.10-10 | 2,5.10-10 | 5,0.10-4 | 1,0.10-10 |
| Dy-165 | 2,33 h | M | 5,0.10-4 | 6,1.10-11 | 8,7.10-11 | 5,0.10-4 | 1,1.10-10 |
| Dy-166 | 3,40 d | M | 5,0.10-4 | 1,8.10-9 | 1,8.10-9 | 5,0.10-4 | 1,6.10-9 |
| **Holmium** |  |  |  |  |  |  |  |
| Ho-155 | 0,800 h | M | 5,0.10-4 | 2,0.10-11 | 3,2.10-11 | 5,0.10-4 | 3,7.10-11 |
| Ho-157 | 0,210 h | M | 5,0.10-4 | 4,5.10-12 | 7,6.10-12 | 5,0.10-4 | 6,5.10-12 |
| Ho-159 | 0,550 h | M | 5,0.10-4 | 6,3.10-12 | 1,0.10-11 | 5,0.10-4 | 7,9.10-12 |
| Ho-161 | 2,50 h | M | 5,0.10-4 | 6,3.10-12 | 1,0.10-11 | 5,0.10-4 | 1,3.10-11 |
| Ho-162 | 0,250 h | M | 5,0.10-4 | 2,9.10-12 | 4,5.10-12 | 5,0.10-4 | 3,3.10-12 |
| Ho-162m | 1,13 h | M | 5,0.10-4 | 2,2.10-11 | 3,3.10-11 | 5,0.10-4 | 2,6.10-11 |
| Ho-164 | 0,483 h | M | 5,0.10-4 | 8,6.10-12 | 1,3.10-11 | 5,0.10-4 | 9,5.10-12 |
| Ho-164m | 0,625 h | M | 5,0.10-4 | 1,2.10-11 | 1,6.10-11 | 5,0.10-4 | 1,6.10-11 |
| Ho-166 | 1,12 d | M | 5,0.10-4 | 6,6.10-10 | 8,3.10-10 | 5,0.10-4 | 1,4.10-9 |
| Ho-166m | 1,20 103  r | M | 5,0.10-4 | 1,1.10-7 | 7,8.10-8 | 5,0.10-4 | 2,0.10-9 |
| Ho-167 | 3,10 h | M | 5,0.10-4 | 7,1.10-11 | 1,0.10-10 | 5,0.10-4 | 8,3.10-11 |
| **Erbium** |  |  |  |  |  |  |  |
| Er-161 | 3,24 h | M | 5,0.10-4 | 5,1.10-11 | 8,5.10-11 | 5,0.10-4 | 8,0.10-11 |
| Er-165 | 10,4 h | M | 5,0.10-4 | 8,3.10-12 | 1,4.10-11 | 5,0.10-4 | 1,9.10-11 |
| Er-169 | 9,30 d | M | 5,0.10-4 | 9,8.10-10 | 9,2.10-10 | 5,0.10-4 | 3,7.10-10 |
| Er-171 | 7,52 h | M | 5,0.10-4 | 2,2.10-10 | 3,0.10-10 | 5,0.10-4 | 3,6.10-10 |
| Er-172 | 2,05 d | M | 5,0.10-4 | 1,1.10-9 | 1,2.10-9 | 5,0.10-4 | 1,0.10-9 |
| **Túlium** |  |  |  |  |  |  |  |
| Tm-162 | 0,362 h | M | 5,0.10-4 | 1,6.10-11 | 2,7.10-11 | 5,0.10-4 | 2,9.10-11 |
| Tm-166 | 7,70 h | M | 5,0.10-4 | 1,8.10-10 | 2,8.10-10 | 5,0.10-4 | 2,8.10-10 |
| Tm-167 | 9,24 d | M | 5,0.10-4 | 1,1.10-9 | 1,0.10-9 | 5,0.10-4 | 5,6.10-10 |
| Tm-170 | 129 d | M | 5,0.10-4 | 6,6.10-9 | 5,2.10-9 | 5,0.10-4 | 1,3.10-9 |
| Tm-171 | 1,92 r | M | 5,0.10-4 | 1,3.10-9 | 9,1.10-10 | 5,0.10-4 | 1,1.10-10 |
| Tm-172 | 2,65 d | M | 5,0.10-4 | 1,1.10-9 | 1,4.10-9 | 5,0.10-4 | 1,7.10-9 |
| Tm-173 | 8,24 h | M | 5,0.10-4 | 1,8.10-10 | 2,6.10-10 | 5,0.10-4 | 3,1.10-10 |
| Tm-175 | 0,253 h | M | 5,0.10-4 | 1,9.10-11 | 3,1.10-11 | 5,0.10-4 | 2,7.10-11 |
| **Yterbium** |  |  |  |  |  |  |  |
| Yb-162 | 0,315 h | M | 5,0.10-4 | 1,4.10-11 | 2,2.10-11 | 5,0.10-4 | 2,3.10-11 |
|  |  | S | 5,0.10-4 | 1,4.10-11 | 2,3.10-11 |  |  |
| Yb-166 | 2,36 d | M | 5,0.10-4 | 7,2.10-10 | 9,1.10-10 | 5,0.10-4 | 9,5.10-10 |
|  |  | S | 5,0.10-4 | 7,6.10-10 | 9,5.10-10 |  |  |
| Yb-167 | 0,292 h | M | 5,0.10-4 | 6,5.10-12 | 9,0.10-12 | 5,0.10-4 | 6,7.10-12 |
|  |  | S | 5,0.10-4 | 6,9.10-12 | 9,5.10-12 |  |  |
| Yb-169 | 32,0 d | M | 5,0.10-4 | 2,4.10-9 | 2,1.10-9 | 5,0.10-4 | 7,1.10-10 |
|  |  | S | 5,0.10-4 | 2,8.10-9 | 2,4.10-9 |  |  |
| Yb-175 | 4,19 d | M | 5,0.10-4 | 6,3.10-10 | 6,4.10-10 | 5,0.10-4 | 4,4.10-10 |
|  |  | S | 5,0.10-4 | 7,0.10-10 | 7,0.10-10 |  |  |
| Yb-177 | 1,90 h | M | 5,0.10-4 | 6,4.10-11 | 8,8.10-11 | 5,0.10-4 | 9,7.10-11 |
|  |  | S | 5,0.10-4 | 6,9.10-11 | 9,4.10-11 |  |  |
| Yb-178 | 1,23 h | M | 5,0.10-4 | 7,1.10-11 | 1,0.10-10 | 5,0.10-4 | 1,2.10-10 |
|  |  | S | 5,0.10-4 | 7,6.10-11 | 1,1.10-10 |  |  |
| **Lutécium** |  |  |  |  |  |  |  |
| Lu-169 | 1,42 d | M | 5,0.10-4 | 3,5.10-10 | 4,7.10-10 | 5,0.10-4 | 4,6.10-10 |
|  |  | S | 5,0.10-4 | 3,8.10-10 | 4,9.10-10 |  |  |
| Lu-170 | 2,00 d | M | 5,0.10-4 | 6,4.10-10 | 9,3.10-10 | 5,0.10-4 | 9,9.10-10 |
|  |  | S | 5,0.10-4 | 6,7.10-10 | 9,5.10-10 |  |  |
| Lu-171 | 8,22 d | M | 5,0.10-4 | 7,6.10-10 | 8,8.10-10 | 5,0.10-4 | 6,7.10-10 |
|  |  | S | 5,0.10-4 | 8,3.10-10 | 9,3.10-10 |  |  |
| Lu-172 | 6,70 d | M | 5,0.10-4 | 1,4.10-9 | 1,7.10-9 | 5,0.10-4 | 1,3.10-9 |
|  |  | S | 5,0.10-4 | 1,5.10-9 | 1,8.10-9 |  |  |
| Lu-173 | 1,37 r | M | 5,0.10-4 | 2,0.10-9 | 1,5.10-9 | 5,0.10-4 | 2,6.10-10 |
|  |  | S | 5,0.10-4 | 2,3.10-9 | 1,4.10-9 |  |  |
| Lu-174 | 3,31 r | M | 5,0.10-4 | 4,0.10-9 | 2,9.10-9 | 5,0.10-4 | 2,7.10-10 |
|  |  | S | 5,0.10-4 | 3,9.10-9 | 2,5.10-9 |  |  |
| Lu-174m | 142 d | M | 5,0.10-4 | 3,4.10-9 | 2,4.10-9 | 5,0.10-4 | 5,3.10-10 |
|  |  | S | 5,0.10-4 | 3,8.10-9 | 2,6.10-9 |  |  |
| Lu-176 | 3,60 1010  r | M | 5,0.10-4 | 6,6.10-8 | 4,6.10-8 | 5,0.10-4 | 1,8.10-9 |
|  |  | S | 5,0.10-4 | 5,2.10-8 | 3,0.10-8 |  |  |
| Lu-176m | 3,68 h | M | 5,0.10-4 | 1,1.10-10 | 1,5.10-10 | 5,0.10-4 | 1,7.10-10 |
|  |  | S | 5,0.10-4 | 1,2.10-10 | 1,6.10-10 |  |  |
| Lu-177 | 6,71 d | M | 5,0.10-4 | 1,0.10-9 | 1,0.10-9 | 5,0.10-4 | 5,3.10-10 |
|  |  | S | 5,0.10-4 | 1,1.10-9 | 1,1.10-9 |  |  |
| Lu-177m | 161 d | M | 5,0.10-4 | 1,2.10-8 | 1,0.10-8 | 5,0.10-4 | 1,7.10-9 |
|  |  | S | 5,0.10-4 | 1,5.10-8 | 1,2.10-8 |  |  |
| Lu-178 | 0,473 h | M | 5,0.10-4 | 2,5.10-11 | 3,9.10-11 | 5,0.10-4 | 4,7.10-11 |
|  |  | S | 5,0.10-4 | 2,6.10-11 | 4,1.10-11 |  |  |
| Lu-178m | 0,378 h | M | 5,0.10-4 | 3,3.10-11 | 5,4.10-11 | 5,0.10-4 | 3,8.10-11 |
|  |  | S | 5,0.10-4 | 3,5.10-11 | 5,6.10-11 |  |  |
| Lu-179 | 4,59 h | M | 5,0.10-4 | 1,1.10-10 | 1,6.10-10 | 5,0.10-4 | 2,1.10-10 |
|  |  | S | 5,0.10-4 | 1,2.10-10 | 1,6.10-10 |  |  |
| **Hafnium** |  |  |  |  |  |  |  |
| Hf-170 | 16,0 h | F | 0,002 | 1,7.10-10 | 2,9.10-10 | 0,002 | 4,8.10-10 |
|  |  | M | 0,002 | 3,2.10-10 | 4,3.10-10 |  |  |
| Hf-172 | 1,87 r | F | 0,002 | 3,2.10-8 | 3,7.10-8 | 0,002 | 1,0.10-9 |
|  |  | M | 0,002 | 1,9.10-8 | 1,3.10-8 |  |  |
| Hf-173 | 24,0 h | F | 0,002 | 7,9.10-11 | 1,3.10-10 | 0,002 | 2,3.10-10 |
|  |  | M | 0,002 | 1,6.10-10 | 2,2.10-10 |  |  |
| Hf-175 | 70,0 d | F | 0,002 | 7,2.10-10 | 8,7.10-10 | 0,002 | 4,1.10-10 |
|  |  | M | 0,002 | 1,1.10-9 | 8,8.10-10 |  |  |
| Hf-177m | 0,856 h | F | 0,002 | 4,7.10-11 | 8,4.10-11 | 0,002 | 8,1.10-11 |
|  |  | M | 0,002 | 9,2.10-11 | 1,5.10-10 |  |  |
| Hf-178m | 31,0 r | F | 0,002 | 2,6.10-7 | 3,1.10-7 | 0,002 | 4,7.10-9 |
|  |  | M | 0,002 | 1,1.10-7 | 7,8.10-8 |  |  |
| Hf-179m | 25,1 d | F | 0,002 | 1,1.10-9 | 1,4.10-9 | 0,002 | 1,2.10-9 |
|  |  | M | 0,002 | 3,6.10-9 | 3,2.10-9 |  |  |
| Hf-180m | 5,50 h | F | 0,002 | 6,4.10-11 | 1,2.10-10 | 0,002 | 1,7.10-10 |
|  |  | M | 0,002 | 1,4.10-10 | 2,0.10-10 |  |  |
| Hf-181 | 42,4 d | F | 0,002 | 1,4.10-9 | 1,8.10-9 | 0,002 | 1,1.10-9 |
|  |  | M | 0,002 | 4,7.10-9 | 4,1.10-9 |  |  |
| Hf-182 | 9,00 106  r | F | 0,002 | 3,0.10-7 | 3,6.10-7 | 0,002 | 3,0.10-9 |
|  |  | M | 0,002 | 1,2.10-7 | 8,3.10-8 |  |  |
| Hf-182m | 1,02 h | F | 0,002 | 2,3.10-11 | 4,0.10-11 | 0,002 | 4,2.10-11 |
|  |  | M | 0,002 | 4,7.10-11 | 7,1.10-11 |  |  |
| Hf-183 | 1,07 h | F | 0,002 | 2,6.10-11 | 4,4.10-11 | 0,002 | 7,3.10-11 |
|  |  | M | 0,002 | 5,8.10-11 | 8,3.10-11 |  |  |
| Hf-184 | 4,12 h | F | 0,002 | 1,3.10-10 | 2,3.10-10 | 0,002 | 5,2.10-10 |
|  |  | M | 0,002 | 3,3.10-10 | 4,5.10-10 |  |  |
| **Tantal** |  |  |  |  |  |  |  |
| Ta-172 | 0,613 h | M | 0,001 | 3,4.10-11 | 5,5.10-11 | 0,001 | 5,3.10-11 |
|  |  | S | 0,001 | 3,6.10-11 | 5,7.10-11 |  |  |
| Ta-173 | 3,65 h | M | 0,001 | 1,1.10-10 | 1,6.10-10 | 0,001 | 1,9.10-10 |
|  |  | S | 0,001 | 1,2.10-10 | 1,6.10-10 |  |  |
| Ta-174 | 1,20 h | M | 0,001 | 4,2.10-11 | 6,3.10-11 | 0,001 | 5,7.10-11 |
|  |  | S | 0,001 | 4,4.10-11 | 6,6.10-11 |  |  |
| Ta-175 | 10,5 h | M | 0,001 | 1,3.10-10 | 2,0.10-10 | 0,001 | 2,1.10-10 |
|  |  | S | 0,001 | 1,4.10-10 | 2,0.10-10 |  |  |
| Ta-176 | 8,08 h | M | 0,001 | 2,0.10-10 | 3,2.10-10 | 0,001 | 3,1.10-10 |
|  |  | S | 0,001 | 2,1.10-10 | 3,3.10-10 |  |  |
| Ta-177 | 2,36 d | M | 0,001 | 9,3.10-11 | 1,2.10-10 | 0,001 | 1,1.10-10 |
|  |  | S | 0,001 | 1,0.10-10 | 1,3.10-10 |  |  |
| Ta-178 | 2,20 h | M | 0,001 | 6,6.10-11 | 1,0.10-10 | 0,001 | 7,8.10-11 |
|  |  | S | 0,001 | 6,9.10-11 | 1,1.10-10 |  |  |
| Ta-179 | 1,82 r | M | 0,001 | 2,0.10-10 | 1,3.10-10 | 0,001 | 6,5.10-11 |
|  |  | S | 0,001 | 5,2.10-10 | 2,9.10-10 |  |  |
| Ta-180 | 1,00 1013  r | M | 0,001 | 6,0.10-9 | 4,6.10-9 | 0,001 | 8,4.10-10 |
|  |  | S | 0,001 | 2,4.10-8 | 1,4.10-8 |  |  |
| Ta-180m | 8,10 h | M | 0,001 | 4,4.10-11 | 5,8.10-11 | 0,001 | 5,4.10-11 |
|  |  | S | 0,001 | 4,7.10-11 | 6,2.10-11 |  |  |
| Ta-182 | 115 d | M | 0,001 | 7,2.10-9 | 5,8.10-9 | 0,001 | 1,5.10-9 |
|  |  | S | 0,001 | 9,7.10-9 | 7,4.10-9 |  |  |
| Ta-182m | 0,264 h | M | 0,001 | 2,1.10-11 | 3,4.10-11 | 0,001 | 1,2.10-11 |
|  |  | S | 0,001 | 2,2.10-11 | 3,6.10-11 |  |  |
| Ta-183 | 5,10 d | M | 0,001 | 1,8.10-9 | 1,8.10-9 | 0,001 | 1,3.10-9 |
|  |  | S | 0,001 | 2,0.10-9 | 2,0.10-9 |  |  |
| Ta-184 | 8,70 h | M | 0,001 | 4,1.10-10 | 6,0.10-10 | 0,001 | 6,8.10-10 |
|  |  | S | 0,001 | 4,4.10-10 | 6,3.10-10 |  |  |
| Ta-185 | 0,816 h | M | 0,001 | 4,6.10-11 | 6,8.10-11 | 0,001 | 6,8.10-11 |
|  |  | S | 0,001 | 4,9.10-11 | 7,2.10-11 |  |  |
| Ta-186 | 0,175 h | M | 0,001 | 1,8.10-11 | 3,0.10-11 | 0,001 | 3,3.10-11 |
|  |  | S | 0,001 | 1,9.10-11 | 3,1.10-11 |  |  |
| **Wolfrám** |  |  |  |  |  |  |  |
| W-176 | 2,30 h | F | 0,3 | 4,4.10-11 | 7,6.10-11 | 0,3 | 1,0.10-10 |
|  |  |  |  |  |  | 0,01 | 1,1.10-10 |
| W-177 | 2,25 h | F | 0,3 | 2,6.10-11 | 4,6.10-11 | 0,3 | 5,8.10-11 |
|  |  |  |  |  |  | 0,01 | 6,1.10-11 |
| W-178 | 21,7 d | F | 0,3 | 7,6.10-11 | 1,2.10-10 | 0,3 | 2,2.10-10 |
|  |  |  |  |  |  | 0,01 | 2,5.10-10 |
| W-179 | 0,625 h | F | 0,3 | 9,9.10-13 | 1,8.10-12 | 0,3 | 3,3.10-12 |
|  |  |  |  |  |  | 0,01 | 3,3.10-12 |
| W-181 | 121 d | F | 0,3 | 2,8.10-11 | 4,3.10-11 | 0,3 | 7,6.10-11 |
|  |  |  |  |  |  | 0,01 | 8,2.10-11 |
| W-185 | 75,1 d | F | 0,3 | 1,4.10-10 | 2,2.10-10 | 0,3 | 4,4.10-10 |
|  |  |  |  |  |  | 0,01 | 5,0.10-10 |
| W-187 | 23,9 h | F | 0,3 | 2,0.10-10 | 3,3.10-10 | 0,3 | 6,3.10-10 |
|  |  |  |  |  |  | 0,01 | 7,1.10-10 |
| W-188 | 69,4 d | F | 0,3 | 5,9.10-10 | 8,4.10-10 | 0,3 | 2,1.10-9 |
|  |  |  |  |  |  | 0,01 | 2,3.10-9 |
| **Rénium** |  |  |  |  |  |  |  |
| Re-177 | 0,233 h | F | 0,8 | 1,0.10-11 | 1,7.10-11 | 0,8 | 2,2.10-11 |
|  |  | M | 0,8 | 1,4.10-11 | 2,2.10-11 |  |  |
| Re-178 | 0,220 h | F | 0,8 | 1,1.10-11 | 1,8.10-11 | 0,8 | 2,5.10-11 |
|  |  | M | 0,8 | 1,5.10-11 | 2,4.10-11 |  |  |
| Re-181 | 20,0 h | F | 0,8 | 1,9.10-10 | 3,0.10-10 | 0,8 | 4,2.10-10 |
|  |  | M | 0,8 | 2,5.10-10 | 3,7.10-10 |  |  |
| Re-182 | 2,67 d | F | 0,8 | 6,8.10-10 | 1,1.10-9 | 0,8 | 1,4.10-9 |
|  |  | M | 0,8 | 1,3.10-9 | 1,7.10-9 |  |  |
| Re-182 | 12,7 h | F | 0,8 | 1,5.10-10 | 2,4.10-10 | 0,8 | 2,7.10-10 |
|  |  | M | 0,8 | 2,0.10-10 | 3,0.10-10 |  |  |
| Re-184 | 38,0 d | F | 0,8 | 4,6.10-10 | 7,0.10-10 | 0,8 | 1,0.10-9 |
|  |  | M | 0,8 | 1,8.10-9 | 1,8.10-9 |  |  |
| Re-184m | 165 d | F | 0,8 | 6,1.10-10 | 8,8.10-10 | 0,8 | 1,5.10-9 |
|  |  | M | 0,8 | 6,1.10-9 | 4,8.10-9 |  |  |
| Re-186 | 3,78 d | F | 0,8 | 5,3.10-10 | 7,3.10-10 | 0,8 | 1,5.10-9 |
|  |  | M | 0,8 | 1,1.10-9 | 1,2.10-9 |  |  |
| Re-186m | 2,00 105  r | F | 0,8 | 8,5.10-10 | 1,2.10-9 | 0,8 | 2,2.10-9 |
|  |  | M | 0,8 | 1,1.10-8 | 7,9.10-9 |  |  |
| Re-187 | 5,00 1010  r | F | 0,8 | 1,9.10-12 | 2,6.10-12 | 0,8 | 5,1.10-12 |
|  |  | M | 0,8 | 6,0.10-12 | 4,6.10-12 |  |  |
| Re-188 | 17,0 h | F | 0,8 | 4,7.10-10 | 6,6.10-10 | 0,8 | 1,4.10-9 |
|  |  | M | 0,8 | 5,5.10-10 | 7,4.10-10 |  |  |
| Re-188m | 0,3 10 h | F | 0,8 | 1,0.10-11 | 1,6.10-11 | 0,8 | 3,0.10-11 |
|  |  | M | 0,8 | 1,4.10-11 | 2,0.10-11 |  |  |
| Re-189 | 1,01 d | F | 0,8 | 2,7.10-10 | 4,3.10-10 | 0,8 | 7,8.10-10 |
|  |  | M | 0,8 | 4,3.10-10 | 6,0.10-10 |  |  |
| **Osmium** |  |  |  |  |  |  |  |
| Os-180 | 0,366 h | F | 0,01 | 8,8.10-12 | 1,6.10-11 | 0,01 | 1,7.10-11 |
|  |  | M | 0,01 | 1,4.10-11 | 2,4.10-11 |  |  |
|  |  | S | 0,01 | 1,5.10-11 | 2,5.10-11 |  |  |
| Os-181 | 1,75 h | F | 0,01 | 3,6.10-11 | 6,4.10-11 | 0,01 | 8,9.10-11 |
|  |  | M | 0,01 | 6,3.10-11 | 9,6.10-11 |  |  |
|  |  | S | 0,01 | 6,6.10-11 | 1,0.10-10 |  |  |
| Os-182 | 22,0 h | F | 0,01 | 1,9.10-10 | 3,2.10-10 | 0,01 | 5,6.10-10 |
|  |  | M | 0,01 | 3,7.10-10 | 5,0.10-10 |  |  |
|  |  | S | 0,01 | 3,9.10-10 | 5,2.10-10 |  |  |
| Os-185 | 94,0 d | F | 0,01 | 1,1.10-9 | 1,4.10-9 | 0,01 | 5,1.10-10 |
|  |  | M | 0,01 | 1,2.10-9 | 1,0.10-9 |  |  |
|  |  | S | 0,01 | 1,5.10-9 | 1,1.10-9 |  |  |
| Os-189m | 6,00 h | F | 0,01 | 2,7.10-12 | 5,2.10-12 | 0,01 | 1,8.10-11 |
|  |  | M | 0,01 | 5,1.10-12 | 7,6.10-12 |  |  |
|  |  | S | 0,01 | 5,4.10-12 | 7,9.10-12 |  |  |
| Os-191 | 15,4 d | F | 0,01 | 2,5.10-10 | 3,5.10-10 | 0,01 | 5,7.10-10 |
|  |  | M | 0,01 | 1,5.10-9 | 1,3.10-9 |  |  |
|  |  | S | 0,01 | 1,8.10-9 | 1,5.10-9 |  |  |
| Os-191m | 13,0 h | F | 0,01 | 2,6.10-11 | 4,1.10-11 | 0,01 | 9,6.10-11 |
|  |  | M | 0,01 | 1,3.10-10 | 1,3.10-10 |  |  |
|  |  | S | 0,01 | 1,5.10-10 | 1,4.10-10 |  |  |
| Os-193 | 1,25 d | F | 0,01 | 1,7.10-10 | 2,8.10-10 | 0,01 | 8,1.10-10 |
|  |  | M | 0,01 | 4,7.10-10 | 6,4.10-10 |  |  |
|  |  | S | 0,01 | 5,1.10-10 | 6,8.10-10 |  |  |
| Os-194 | 6,00 r | F | 0,01 | 1,1.10-8 | 1,3.10-8 | 0,01 | 2,4.10-9 |
|  |  | M | 0,01 | 2,0.10-8 | 1,3.10-8 |  |  |
|  |  | S | 0,01 | 7,9.10-8 | 4,2.10-8 |  |  |
| **Irídium** |  |  |  |  |  |  |  |
| Ir-182 | 0,250 h | F | 0,01 | 1,5.10-11 | 2,6.10-11 | 0,01 | 4,8.10-11 |
|  |  | M | 0,01 | 2,4.10-11 | 3,9.10-11 |  |  |
|  |  | S | 0,01 | 2,5.10-11 | 4,0.10-11 |  |  |
| Ir-184 | 3,02 h | F | 0,01 | 6,7.10-11 | 1,2.10-10 | 0,01 | 1,7.10-10 |
|  |  | M | 0,01 | 1,1.10-10 | 1,8.10-10 |  |  |
|  |  | S | 0,01 | 1,2.10-10 | 1,9.10-10 |  |  |
| Ir-185 | 14,0 h | F | 0,01 | 8,8.10-11 | 1,5.10-10 | 0,01 | 2,6.10-10 |
|  |  | M | 0,01 | 1,8.10-10 | 2,5.10-10 |  |  |
|  |  | S | 0,01 | 1,9.10-10 | 2,6.10-10 |  |  |
| Ir-186 | 15,8 h | F | 0,01 | 1,8.10-10 | 3,3.10-10 | 0,01 | 4,9.10-10 |
|  |  | M | 0,01 | 3,2.10-10 | 4,8.10-10 |  |  |
|  |  | S | 0,01 | 3,3.10-10 | 5,0.10-10 |  |  |
| Ir-186 | 1,75 h | F | 0,01 | 2,5.10-11 | 4,5.10-11 | 0,01 | 6,1.10-11 |
|  |  | M | 0,01 | 4,3.10-11 | 6,9.10-11 |  |  |
|  |  | S | 0,01 | 4,5.10-11 | 7,1.10-11 |  |  |
| Ir-187 | 10,5 h | F | 0,01 | 4,0.10-11 | 7,2.10-11 | 0,01 | 1,2.10-10 |
|  |  | M | 0,01 | 7,5.10-11 | 1,1.10-10 |  |  |
|  |  | S | 0,01 | 7,9.10-11 | 1,2.10-10 |  |  |
| Ir-188 | 1,73 d | F | 0,01 | 2,6.10-10 | 4,4.10-10 | 0,01 | 6,3.10-10 |
|  |  | M | 0,01 | 4,1.10-10 | 6,0.10-10 |  |  |
|  |  | S | 0,01 | 4,3.10-10 | 6,2.10-10 |  |  |
| Ir-189 | 13,3 d | F | 0,01 | 1,1.10-10 | 1,7.10-10 | 0,01 | 2,4.10-10 |
|  |  | M | 0,01 | 4,8.10-10 | 4,1.10-10 |  |  |
|  |  | S | 0,01 | 5,5.10-10 | 4,6.10-10 |  |  |
| Ir-190 | 12,1 d | F | 0,01 | 7,9.10-10 | 1,2.10-9 | 0,01 | 1,2.10-9 |
|  |  | M | 0,01 | 2,0.10-9 | 2,3.10-9 |  |  |
|  |  | S | 0,01 | 2,3.10-9 | 2,5.10-9 |  |  |
| Ir-190m | 3,10 h | F | 0,01 | 5,3.10-11 | 9,7.10-11 | 0,01 | 1,2.10-10 |
|  |  | M | 0,01 | 8,3.10-11 | 1,4.10-10 |  |  |
|  |  | S | 0,01 | 8,6.10-11 | 1,4.10-10 |  |  |
| Ir-190m | 1,20 h | F | 0,01 | 3,7.10-12 | 5,6.10-12 | 0,01 | 8,0.10-12 |
|  |  | M | 0,01 | 9,0.10-12 | 1,0.10-11 |  |  |
|  |  | S | 0,01 | 1,0.10-11 | 1,1.10-11 |  |  |
| Ir-192 | 74,0 d | F | 0,01 | 1,8.10-9 | 2,2.10-9 | 0,01 | 1,4.10-9 |
|  |  | M | 0,01 | 4,9.10-9 | 4,1.10-9 |  |  |
|  |  | S | 0,01 | 6,2.10-9 | 4,9.10-9 |  |  |
| Ir-192m | 2,41 102  r | F | 0,01 | 4,8.10-9 | 5,6.10-9 | 0,01 | 3,1.10-10 |
|  |  | M | 0,01 | 5,4.10-9 | 3,4.10-9 |  |  |
|  |  | S | 0,01 | 3,6.10-8 | 1,9.10-8 |  |  |
| Ir-193m | 11,9 d | F | 0,01 | 1,0.10-10 | 1,6.10-10 | 0,01 | 2,7.10-10 |
|  |  | M | 0,01 | 1,0.10-9 | 9,1.10-10 |  |  |
|  |  | S | 0,01 | 1,2.10-9 | 1,0.10-9 |  |  |
| Ir-194 | 19,1 h | F | 0,01 | 2,2.10-10 | 3,6.10-10 | 0,01 | 1,3.10-9 |
|  |  | M | 0,01 | 5,3.10-10 | 7,1.10-10 |  |  |
|  |  | S | 0,01 | 5,6.10-10 | 7,5.10-10 |  |  |
| Ir-194m | 171 d | F | 0,01 | 5,4.10-9 | 6,5.10-9 | 0,01 | 2,1.10-9 |
|  |  | M | 0,01 | 8,5.10-9 | 6,5.10-9 |  |  |
|  |  | S | 0,01 | 1,2.10-8 | 8,2.10-9 |  |  |
| Ir-195 | 2,50 h | F | 0,01 | 2,6.10-11 | 4,5.10-11 | 0,01 | 1,0.10-10 |
|  |  | M | 0,01 | 6,7.10-11 | 9,6.10-11 |  |  |
|  |  | S | 0,01 | 7,2.10-11 | 1,0.10-10 |  |  |
| Ir-195m | 3,80 h | F | 0,01 | 6,5.10-11 | 1,1.10-10 | 0,01 | 2,1.10-10 |
|  |  | M | 0,01 | 1,6.10-10 | 2,3.10-10 |  |  |
|  |  | S | 0,01 | 1,7.10-10 | 2,4.10-10 |  |  |
| **Platina** |  |  |  |  |  |  |  |
| Pt-186 | 2,00 h | F | 0,01 | 3,6.10-11 | 6,6.10-11 | 0,01 | 9,3.10-11 |
| Pt-188 | 10,2 d | F | 0,01 | 4,3.10-10 | 6,3.10-10 | 0,01 | 7,6.10-10 |
| Pt-189 | 10,9 h | F | 0,01 | 4,1.10-11 | 7,3.10-11 | 0,01 | 1,2.10-10 |
| Pt-191 | 2,80 d | F | 0,01 | 1,1.10-10 | 1,9.10-10 | 0,01 | 3,4.10-10 |
| Pt-193 | 50,0 r | F | 0,01 | 2,1.10-11 | 2,7.10-11 | 0,01 | 3,1.10-11 |
| Pt-193m | 4,33 d | F | 0,01 | 1,3.10-10 | 2,1.10-10 | 0,01 | 4,5.10-10 |
| Pt-195m | 4,02 d | F | 0,01 | 1,9.10-10 | 3,1.10-10 | 0,01 | 6,3.10-10 |
| Pt-197 | 18,3 h | F | 0,01 | 9,1.10-11 | 1,6.10-10 | 0,01 | 4,0.10-10 |
| Pt-197m | 1,57 h | F | 0,01 | 2,5.10-11 | 4,3.10-11 | 0,01 | 8,4.10-11 |
| Pt-199 | 0,513 h | F | 0,01 | 1,3.10-11 | 2,2.10-11 | 0,01 | 3,9.10-11 |
| Pt-200 | 12,5 h | F | 0,01 | 2,4.10-10 | 4,0.10-10 | 0,01 | 1,2.10-9 |
| **Zlato** |  |  |  |  |  |  |  |
| Au-193 | 17,6 h | F | 0,1 | 3,9.10-11 | 7,1.10-11 | 0,1 | 1,3.10-10 |
|  |  | M | 0,1 | 1,1.10-10 | 1,5.10-10 |  |  |
|  |  | S | 0,1 | 1,2.10-10 | 1,6.10-10 |  |  |
| Au-194 | 1,64 d | F | 0,1 | 1,5.10-10 | 2,8.10-10 | 0,1 | 4,2.10-10 |
|  |  | M | 0,1 | 2,4.10-10 | 3,7.10-10 |  |  |
|  |  | S | 0,1 | 2,5.10-10 | 3,8.10-10 |  |  |
| Au-195 | 183 d | F | 0,1 | 7,1.10-11 | 1,2.10-10 | 0,1 | 2,5.10-10 |
|  |  | M | 0,1 | 1,0.10-9 | 8,0.10-10 |  |  |
|  |  | S | 0,1 | 1,6.10-9 | 1,2.10-9 |  |  |
| Au-198 | 2,69 d | F | 0,1 | 2,3.10-10 | 3,9.10-10 | 0,1 | 1,0.10-9 |
|  |  | M | 0,1 | 7,6.10-10 | 9,8.10-10 |  |  |
|  |  | S | 0,1 | 8,4.10-10 | 1,1.10-9 |  |  |
| Au-198m | 2,30 d | F | 0,1 | 3,4.10-10 | 5,9.10-10 | 0,1 | 1,3.10-9 |
|  |  | M | 0,1 | 1,7.10-9 | 2,0.10-9 |  |  |
|  |  | S | 0,1 | 1,9.10-9 | 1,9.10-9 |  |  |
| Au-199 | 3,14 d | F | 0,1 | 1,1.10-10 | 1,9.10-10 | 0,1 | 4,4.10-10 |
|  |  | M | 0,1 | 6,8.10-10 | 6,8.10-10 |  |  |
|  |  | S | 0,1 | 7,5.10-10 | 7,6.10-10 |  |  |
| Au-200 | 0,807 h | F | 0,1 | 1,7.10-11 | 3,0.10-11 | 0,1 | 6,8.10-11 |
|  |  | M | 0,1 | 3,5.10-11 | 5,3.10-11 |  |  |
|  |  | S | 0,1 | 3,6.10-11 | 5,6.10-11 |  |  |
| Au-200m | 18,7 h | F | 0,1 | 3,2.10-10 | 5,7.10-10 | 0,1 | 1,1.10-9 |
|  |  | M | 0,1 | 6,9.10-10 | 9,8.10-10 |  |  |
|  |  | S | 0,1 | 7,3.10-10 | 1,0.10-9 |  |  |
| Au-201 | 0,440 h | F | 0,1 | 9,2.10-12 | 1,6.10-11 | 0,1 | 2,4.10-11 |
|  |  | M | 0,1 | 1,7.10-11 | 2,8.10-11 |  |  |
|  |  | S | 0,1 | 1,8.10-11 | 2,9.10-11 |  |  |
| **Ortuť** |  |  |  |  |  |  |  |
| Hg-193 (organická) | 3,50 h | F | 0,4 | 2,6.10-11 | 4,7.10-11 | 1 | 3,1.10-11 |
| Hg-193 (anorganická) | F | 0,02 | 2,8.10-11 | 5,0.10-11 | 0,4 | 6,6.10-11 |
| M | 7,5.10-11 | 1,0.10-10 | 0,02 | 8,2.10-11 |
| Hg-193m (organická) | 11,1 h | F | 0,4 | 1,1.10-10 | 2,0.10-10 | 1 | 1,3.10-10 |
| Hg-193m (anorganická) | F | 0,02 | 1,2.10-10 | 2,3.10-10 | 0,4 | 3,0.10-10 |
| M | 2,6.10-10 | 3,8.10-10 | 0,02 | 4,0.10-10 |
| Hg-194 (organická) | 2,60.102  r | F | 0,4 | 1,5.10-8 | 1,9.10-8 | 1 | 5,1.10-8 |
| Hg-194 (anorganická) | F | 0,02 | 1,3.10-8 | 1,5.10-8 | 0,4 | 2,1.10-8 |
| M | 7,8.10-9 | 5,3.10-9 | 0,02 | 1,4.10-9 |
| Hg-195 (organická) | 9,90 h | F | 0,4 | 2,4.10-11 | 4,4.10-11 | 1 | 3,4.10-11 |
| Hg-195 (anorganická) | F | 0,02 | 2,7.10-11 | 4,8.10-11 | 0,4 | 7,5.10-11 |
| M | 7,2.10-11 | 9,2.10-11 | 0,02 | 9,7.10-11 |
| Hg-195m (organická) | 1,73 d | F | 0,4 | 1,3.10-10 | 2,2.10-10 | 1 | 2,2.10-10 |
| Hg-195m (anorganická) | F | 0,02 | 1,5.10-10 | 2,6.10-10 | 0,4 | 4,1.10-10 |
| M | 5,1.10-10 | 6,5.10-10 | 0,02 | 5,6.10-10 |
| Hg-197 (organická) | 2,67 d | F | 0,4 | 5,0.10-11 | 8,5.10-11 | 1 | 9,9.10-11 |
| Hg-197 (anorganická) | F | 0,02 | 6,0.10-11 | 1,0.10-10 | 0,4 | 1,7.10-10 |
|  | M | 0,02 | 2,9.10-10 | 2,8.10-10 | 0,02 | 2,3.10-10 |
| Hg-197m (organická) | 23,8 h | F | 0,4 | 1,0.10-10 | 1,8.10-10 | 1 | 1,5.10-10 |
| Hg-197m (anorganická) | F | 0,02 | 1,2.10-10 | 2,1.10-10 | 0,4 | 3,4.10-10 |
| M | 5,1.10-10 | 6,6.10-10 | 0,02 | 4,7.10-10 |
| Hg-199m (organická) | 0,7 10 h | F | 0,4 | 1,6.10-11 | 2,7.10-11 | 1 | 2,8.10-11 |
| Hg-199m (anorganická) | F | 0,02 | 1,6.10-11 | 2,7.10-11 | 0,4 | 3,1.10-11 |
| M | 3,3.10-11 | 5,2.10-11 | 0,02 | 3,1.10-11 |
| Hg-203 (organická) | 46,6 d | F | 0,4 | 5,7.10-10 | 7,5.10-10 | 1 | 1,9.10-9 |
| Hg-203 (anorganická) | F | 0,02 | 4,7.10-10 | 5,9.10-10 | 0,4 | 1,1.10-9 |
| M |  | 2,3.10-9 | 1,9.10-9 | 0,02 | 5,4.10-10 |
| **Tálium** |  |  |  |  |  |  |  |
| Tl-194 | 0,550 h | F | 1 | 4,8.10-12 | 8,9.10-12 | 1 | 8,1.10-12 |
| Tl-194m | 0,546 h | F | 1 | 2,0.10-11 | 3,6.10-11 | 1 | 4,0.10-11 |
| Tl-195 | 1,16 h | F | 1 | 1,6.10-11 | 3,0.10-11 | 1 | 2,7.10-11 |
| Tl-197 | 2,84 h | F | 1 | 1,5.10-11 | 2,7.10-11 | 1 | 2,3.10-11 |
| Tl-198 | 5,30 h | F | 1 | 6,6.10-11 | 1,2.10-10 | 1 | 7,3.10-11 |
| Tl-198m | 1,87 h | F | 1 | 4,0.10-11 | 7,3.10-11 | 1 | 5,4.10-11 |
| Tl-199 | 7,42 h | F | 1 | 2,0.10-11 | 3,7.10-11 | 1 | 2,6.10-11 |
| Tl-200 | 1,09 d | F | 1 | 1,4.10-10 | 2,5.10-10 | 1 | 2,0.10-10 |
| Tl-201 | 3,04 d | F | 1 | 4,7.10-11 | 7,6.10-11 | 1 | 9,5.10-11 |
| Tl-202 | 12,2 d | F | 1 | 2,0.10-10 | 3,1.10-10 | 1 | 4,5.10-10 |
| Tl-204 | 3,78 r | F | 1 | 4,4.10-10 | 6,2.10-10 | 1 | 1,3.10-9 |
| **Olovo** |  |  |  |  |  |  |  |
| Pb-195m | 0,263 h | F | 0,2 | 1,7.10-11 | 3,0.10-11 | 0,2 | 2,9.10-11 |
| Pb-198 | 2,40 h | F | 0,2 | 4,7.10-11 | 8,7.10-11 | 0,2 | 1,0.10-10 |
| Pb-199 | 1,50 h | F | 0,2 | 2,6.10-11 | 4,8.10-11 | 0,2 | 5,4.10-11 |
| Pb-200 | 21,5 h | F | 0,2 | 1,5.10-10 | 2,6.10-10 | 0,2 | 4,0.10-10 |
| Pb-201 | 9,40 h | F | 0,2 | 6,5.10-11 | 1,2.10-10 | 0,2 | 1,6.10-10 |
| Pb-202 | 3,00 105  r | F | 0,2 | 1,1.10-8 | 1,4.10-8 | 0,2 | 8,7.10-9 |
| Pb-202m | 3,62 h | F | 0,2 | 6,7.10-11 | 1,2.10-10 | 0,2 | 1,3.10-10 |
| Pb-203 | 2,17 d | F | 0,2 | 9,1.10-11 | 1,6.10-10 | 0,2 | 2,4.10-10 |
| Pb-205 | 1,43 107  r | F | 0,2 | 3,4.10-10 | 4,1.10-10 | 0,2 | 2,8.10-10 |
| Pb-209 | 3,25 h | F | 0,2 | 1,8.10-11 | 3,2.10-11 | 0,2 | 5,7.10-11 |
| Pb-210 | 22,3 r | F | 0,2 | 8,9.10-7 | 1,1.10-6 | 0,2 | 6,8.10-7 |
| Pb-211 | 0,601 h | F | 0,2 | 3,9.10-9 | 5,6.10-9 | 0,2 | 1,8.10-10 |
| Pb-212 | 10,6 h | F | 0,2 | 1,9.10-8 | 3,3.10-8 | 0,2 | 5,9.10-9 |
| Pb-214 | 0,447 h | F | 0,2 | 2,9.10-9 | 4,8.10-9 | 0,2 | 1,4.10-10 |
| **Bizmut** |  |  |  |  |  |  |  |
| Bi-200 | 0,606 h | F | 0,05 | 2,4.10-11 | 4,2.10-11 | 0,05 | 5,1.10-11 |
|  |  | M | 0,05 | 3,4.10-11 | 5,6.10-11 |  |  |
| Bi-201 | 1,80 h | F | 0,05 | 4,7.10-11 | 8,3.10-11 | 0,05 | 1,2.10-10 |
|  |  | M | 0,05 | 7,0.10-11 | 1,1.10-10 |  |  |
| Bi-202 | 1,67 h | F | 0,05 | 4,6.10-11 | 8,4.10-11 | 0,05 | 8,9.10-11 |
|  |  | M | 0,05 | 5,8.10-11 | 1,0.10-10 |  |  |
| Bi-203 | 11,8 h | F | 0,05 | 2,0.10-10 | 3,6.10-10 | 0,05 | 4,8.10-10 |
|  |  | M | 0,05 | 2,8.10-10 | 4,5.10-10 |  |  |
| Bi-205 | 15,3 d | F | 0,05 | 4,0.10-10 | 6,8.10-10 | 0,05 | 9,0.10-10 |
|  |  | M | 0,05 | 9,2.10-10 | 1,0.10-9 |  |  |
| Bi-206 | 6,24 d | F | 0,05 | 7,9.10-10 | 1,3.10-9 | 0,05 | 1,9.10-9 |
|  |  | M | 0,05 | 1,7.10-9 | 2,1.10-9 |  |  |
| Bi-207 | 38,0 r | F | 0,05 | 5,2.10-10 | 8,4.10-10 | 0,05 | 1,3.10-9 |
|  |  | M | 0,05 | 5,2.10-9 | 3,2.10-9 |  |  |
| Bi-210 | 5,01 d | F | 0,05 | 1,1.10-9 | 1,4.10-9 | 0,05 | 1,3.10-9 |
|  |  | M | 0,05 | 8,4.10-8 | 6,0.10-8 |  |  |
| Bi-210m | 3,00 106  r | F | 0,05 | 4,5.10-8 | 5,3.10-8 | 0,05 | 1,5.10-8 |
|  |  | M | 0,05 | 3,1.10-6 | 2,1.10-6 |  |  |
| Bi-212 | 1,01 h | F | 0,05 | 9,3.10-9 | 1,5.10-8 | 0,05 | 2,6.10-10 |
|  |  | M | 0,05 | 3,0.10-8 | 3,9.10-8 |  |  |
| Bi-213 | 0,761 h | F | 0,05 | 1,1.10-8 | 1,8.10-8 | 0,05 | 2,0.10-10 |
|  |  | M | 0,05 | 2,9.10-8 | 4,1.10-8 |  |  |
| Bi-214 | 0,332 h | F | 0,05 | 7,2.10-9 | 1,2.10-8 | 0,05 | 1,1.10-10 |
|  |  | M | 0,05 | 1,4.10-8 | 2,1.10-8 |  |  |
| **Polónium** |  |  |  |  |  |  |  |
| Po-203 | 0,612 h | F | 0,1 | 2,5.10-11 | 4,5.10-11 | 0,1 | 5,2.10-11 |
|  |  | M | 0,1 | 3,6.10-11 | 6,1.10-11 |  |  |
| Po-205 | 1,80 h | F | 0,1 | 3,5.10-11 | 6,0.10-11 | 0,1 | 5,9.10-11 |
|  |  | M | 0,1 | 6,4.10-11 | 8,9.10-11 |  |  |
| Po-207 | 5,83 h | F | 0,1 | 6,3.10-11 | 1,2.10-10 | 0,1 | 1,4.10-10 |
|  |  | M | 0,1 | 8,4.10-11 | 1,5.10-10 |  |  |
| Po-210 | 138 d | F | 0,1 | 6,0.10-7 | 7,1.10-7 | 0,1 | 2,4.10-7 |
|  |  | M | 0,1 | 3,0.10-6 | 2,2.10-6 |  |  |
| **Astát** |  |  |  |  |  |  |  |
| At-207 | 1,80 h | F | 1 | 3,5.10-10 | 4,4.10-10 | 1 | 2,3.10-10 |
|  |  | M | 1 | 2,1.10-9 | 1,9.10-9 |  |  |
| At-211 | 7,21 h | F | 1 | 1,6.10-8 | 2,7.10-8 | 1 | 1,1.10-8 |
|  |  | M | 1 | 9,8.10-8 | 1,1.10-7 |  |  |
| **Francium** |  |  |  |  |  |  |  |
| Fr-222 | 0,240 h | F | 1 | 1,4.10-8 | 2,1.10-8 | 1 | 7,1.10-10 |
| Fr-223 | 0,363 h | F | 1 | 9,1.10-10 | 1,3.10-9 | 1 | 2,3.10-9 |
| **Rádium** |  |  |  |  |  |  |  |
| Ra-223 | 11,4 d | M | 0,2 | 6,9.10-6 | 5,7.10-6 | 0,2 | 1,0.10-7 |
| Ra-224 | 3,66 d | M | 0,2 | 2,9.10-6 | 2,4.10-6 | 0,2 | 6,5.10-8 |
| Ra-225 | 14,8 d | M | 0,2 | 5,8.10-6 | 4,8.10-6 | 0,2 | 9,5.10-8 |
| Ra-226 | 1,60 103  r | M | 0,2 | 3,2.10-6 | 2,2.10-6 | 0,2 | 2,8.10-7 |
| Ra-227 | 0,703 h | M | 0,2 | 2,8.10-10 | 2,1.10-10 | 0,2 | 8,4.10-11 |
| Ra-228 | 5,75 r | M | 0,2 | 2,6.10-6 | 1,7.10-6 | 0,2 | 6,7.10-7 |
| **Aktínium** |  |  |  |  |  |  |  |
| Ac-224 | 2,90 h | F | 5,0.10-4 | 1,1.10-8 | 1,3.10-8 | 5,0.10-4 | 7,0.10-10 |
|  |  | M | 5,0.10-4 | 1,0.10-7 | 8,9.10-8 |  |  |
|  |  | S | 5,0.10-4 | 1,2.10-7 | 9,9.10-8 |  |  |
| Ac-225 | 10,0 d | F | 5,0.10-4 | 8,7.10-7 | 1,0.10-6 | 5,0.10-4 | 2,4.10-8 |
|  |  | M | 5,0.10-4 | 6,9.10-6 | 5,7.10-6 |  |  |
|  |  | S | 5,0.10-4 | 7,9.10-6 | 6,5.10-6 |  |  |
| Ac-226 | 1,21 d | F | 5,0.10-4 | 9,5.10-8 | 2,2.10-7 | 5,0.10-4 | 1,0.10-8 |
|  |  | M | 5,0.10-4 | 1,1.10-6 | 9,2.10-7 |  |  |
|  |  | S | 5,0.10-4 | 1,2.10-6 | 1,0.10-6 |  |  |
| Ac-227 | 21,8 r | F | 5,0.10-4 | 5,4.10-4 | 6,3.10-4 | 5,0.10-4 | 1,1.10-6 |
|  |  | M | 5,0.10-4 | 2,1.10-4 | 1,5.10-4 |  |  |
|  |  | S | 5,0.10-4 | 6,6.10-5 | 4,7.10-5 |  |  |
| Ac-228 | 6,13 h | F | 5,0.10-4 | 2,5.10-8 | 2,9.10-8 | 5,0.10-4 | 4,3.10-10 |
|  |  | M | 5,0.10-4 | 1,6.10-8 | 1,2.10-8 |  |  |
|  |  | S | 5,0.10-4 | 1,4.10-8 | 1,2.10-8 |  |  |
| **Tórium** |  |  |  |  |  |  |  |
| Th-226 | 0,515 h | M | 5,0.10-4 | 5,5.10-8 | 7,4.10-8 | 5,0.10-4 | 3,5.10-10 |
|  |  | S | 2,0.10-4 | 5,9.10-8 | 7,8.10-8 | 2,0.10-4 | 3,6.10-10 |
| Th-227 | 18,7 d | M | 5,0.10-4 | 7,8.10-6 | 6,2.10-6 | 5,0.10-4 | 8,9.10-9 |
|  |  | S | 2,0.10-4 | 9,6.10-6 | 7,6.10-6 | 2,0.10-4 | 8,4.10-9 |
| Th-228 | 1,91 r | M | 5,0.10-4 | 3,1.10-5 | 2,3.10-5 | 5,0.10-4 | 7,0.10-8 |
|  |  | S | 2,0.10-4 | 3,9.10-5 | 3,2.10-5 | 2,0.10-4 | 3,5.10-8 |
| Th-229 | 7,34 103  r | M | 5,0.10-4 | 9,9.10-5 | 6,9.10-5 | 5,0.10-4 | 4,8.10-7 |
|  |  | S | 2,0.10-4 | 6,5.10-5 | 4,8.10-5 | 2,0.10-4 | 2,0.10-7 |
| Th-230 | 7,70 104  r | M | 5,0.10-4 | 4,0.10-5 | 2,8.10-5 | 5,0.10-4 | 2,1.10-7 |
|  |  | S | 2,0.10-4 | 1,3.10-5 | 7,2.10-6 | 2,0.10-4 | 8,7.10-8 |
| Th-231 | 1,06 d | M | 5,0.10-4 | 2,9.10-10 | 3,7.10-10 | 5,0.10-4 | 3,4.10-10 |
|  |  | S | 2,0.10-4 | 3,2.10-10 | 4,0.10-10 | 2,0.10-4 | 3,4.10-10 |
| Th-232 | 1,40 1010  r | M | 5,0.10-4 | 4,2.10-5 | 2,9.10-5 | 5,0.10-4 | 2,2.10-7 |
|  |  | S | 2,0.10-4 | 2,3.10-5 | 1,2.10-5 | 2,0.10-4 | 9,2.10-8 |
| Th-234 | 24,1 d | M | 5,0.10-4 | 6,3.10-9 | 5,3.10-9 | 5,0.10-4 | 3,4.10-9 |
|  |  | S | 2,0.10-4 | 7,3.10-9 | 5,8.10-9 | 2,0.10-4 | 3,4.10-9 |
| **Protaktínium** |  |  |  |  |  |  |  |
| Pa-227 | 0,638 h | M | 5,0.10-4 | 7,0.10-8 | 9,0.10-8 | 5,0.10-4 | 4,5.10-10 |
|  |  | S | 5,0.10-4 | 7,6.10-8 | 9,7.10-8 |  |  |
| Pa-228 | 22,0 h | M | 5,0.10-4 | 5,9.10-8 | 4,6.10-8 | 5,0.10-4 | 7,8.10-10 |
|  |  | S | 5,0.10-4 | 6,9.10-8 | 5,1.10-8 |  |  |
| Pa-230 | 17,4 h | M | 5,0.10-4 | 5,6.10-7 | 4,6.10-7 | 5,0.10-4 | 9,2.10-10 |
|  |  | S | 5,0.10-4 | 7,1.10-7 | 5,7.10-7 |  |  |
| Pa-231 | 3,27 104  r | M | 5,0.10-4 | 1,3.10-4 | 8,9.10-5 | 5,0.10-4 | 7,1.10-7 |
|  |  | S | 5,0.10-4 | 3,2.10-5 | 1,7.10-5 |  |  |
| Pa-232 | 1,31 d | M | 5,0.10-4 | 9,5.10-9 | 6,8.10-9 | 5,0.10-4 | 7,2.10-10 |
|  |  | S | 5,0.10-4 | 3,2.10-9 | 2,0.10-9 |  |  |
| Pa-233 | 27,0 d | M | 5,0.10-4 | 3,1.10-9 | 2,8.10-9 | 5,0.10-4 | 8,7.10-10 |
|  |  | S | 5,0.10-4 | 3,7.10-9 | 3,2.10-9 |  |  |
| Pa-234 | 6,70 h | M | 5,0.10-4 | 3,8.10-10 | 5,5.10-10 | 5,0.10-4 | 5,1.10-10 |
|  |  | S | 5,0.10-4 | 4,0.10-10 | 5,8.10-10 |  |  |
| **Urán** |  |  |  |  |  |  |  |
| U-230 | 20,8 d | F | 0,02 | 3,6.10-7 | 4,2.10-7 | 0,02 | 5,5.10-8 |
|  |  | M | 0,02 | 1,2.10-5 | 1,0.10-5 | 0,002 | 2,8.10-8 |
|  |  | S | 0,002 | 1,5.10-5 | 1,2.10-5 |  |  |
| U-231 | 4,20 d | F | 0,02 | 8,3.10-11 | 1,4.10-10 | 0,02 | 2,8.10-10 |
|  |  | M | 0,02 | 3,4.10-10 | 3,7.10-10 | 0,002 | 2,8.10-10 |
|  |  | S | 0,002 | 3,7.10-10 | 4,0.10-10 |  |  |
| U-232 | 72,0 r | F | 0,02 | 4,0.10-6 | 4,7.10-6 | 0,02 | 3,3.10-7 |
|  |  | M | 0,02 | 7,2.10-6 | 4,8.10-6 | 0,002 | 3,7.10-8 |
|  |  | S | 0,002 | 3,5.10-5 | 2,6.10-5 |  |  |
| U-233 | 1,58 105  r | F | 0,02 | 5,7.10-7 | 6,6.10-7 | 0,02 | 5,0.10-8 |
|  |  | M | 0,02 | 3,2.10-6 | 2,2.10-6 | 0,002 | 8,5.10-9 |
|  |  | S | 0,002 | 8,7.10-6 | 6,9.10-6 |  |  |
| U-234 | 2,44 105  r | F | 0,02 | 5,5.10-7 | 6,4.10-7 | 0,02 | 4,9.10-8 |
|  |  | M | 0,02 | 3,1.10-6 | 2,1.10-6 | 0,002 | 8,3.10-9 |
|  |  | S | 0,002 | 8,5.10-6 | 6,8.10-6 |  |  |
| U-235 | 7,04 108  r | F | 0,02 | 5,1.10-7 | 6,0.10-7 | 0,02 | 4,6.10-8 |
|  |  | M | 0,02 | 2,8.10-6 | 1,8.10-6 | 0,002 | 8,3.10-9 |
|  |  | S | 0,002 | 7,7.10-6 | 6,1.10-6 |  |  |
| U-236 | 2,34 107  r | F | 0,02 | 5,2.10-7 | 6,1.10-7 | 0,02 | 4,6.10-8 |
|  |  | M | 0,02 | 2,9.10-6 | 1,9.10-6 | 0,002 | 7,9.10-9 |
|  |  | S | 0,002 | 7,9.10-6 | 6,3.10-6 |  |  |
| U-237 | 6,75 d | F | 0,02 | 1,9.10-10 | 3,3.10-10 | 0,02 | 7,6.10-10 |
|  |  | M | 0,02 | 1,6.10-9 | 1,5.10-9 | 0,002 | 7,7.10-10 |
|  |  | S | 0,002 | 1,8.10-9 | 1,7.10-9 |  |  |
| U-238 | 4,47 109  r | F | 0,02 | 4,9.10-7 | 5,8.10-7 | 0,02 | 4,4.10-8 |
|  |  | M | 0,02 | 2,6.10-6 | 1,6.10-6 | 0,002 | 7,6.10-9 |
|  |  | S | 0,002 | 7,3.10-6 | 5,7.10-6 |  |  |
| U-239 | 0,392 h | F | 0,02 | 1,1.10-11 | 1,8.10-11 | 0,02 | 2,7.10-11 |
|  |  | M | 0,02 | 2,3.10-11 | 3,3.10-11 | 0,002 | 2,8.10-11 |
|  |  | S | 0,002 | 2,4.10-11 | 3,5.10-11 |  |  |
| U-240 | 14,1 h | F | 0,02 | 2,1.10-10 | 3,7.10-10 | 0,02 | 1,1.10-9 |
|  |  | M | 0,02 | 5,3.10-10 | 7,9.10-10 | 0,002 | 1,1.10-9 |
|  |  | S | 0,002 | 5,7.10-10 | 8,4.10-10 |  |  |
| **Neptúnium** |  |  |  |  |  |  |  |
| Np-232 | 0,245 h | M | 5,0.10-4 | 4,7.10-11 | 3,5.10-11 | 5,0.10-4 | 9,7.10-12 |
| Np-233 | 0,603 h | M | 5,0.10-4 | 1,7.10-12 | 3,010-12 | 5,0.10-4 | 2,2.10-12 |
| Np-234 | 4,40 d | M | 5,0.10-4 | 5,4.10-10 | 7,3.10-10 | 5,0.10-4 | 8,1.10-10 |
| Np-235 | 1,08 r | M | 5,0.10-4 | 4,0.10-10 | 2,7.10-10 | 5,0.10-4 | 5,3.10-11 |
| Np-236 | 1,15 105  r | M | 5,0.10-4 | 3,0.10-6 | 2,0.10-6 | 5,0.10-4 | 1,7.10-8 |
| Np-236 | 22,5 h | M | 5,0.10-4 | 5,0.10-9 | 3,6.10-9 | 5,0.10-4 | 1,9.10-10 |
| Np-237 | 2,14 106  r | M | 5,0.10-4 | 2,1.10-5 | 1,5.10-5 | 5,0.10-4 | 1,1.10-7 |
| Np-238 | 2,12 d | M | 5,0.10-4 | 2,0.10-9 | 1,7.10-9 | 5,0.10-4 | 9,1.10-10 |
| Np-239 | 2,36 d | M | 5,0.10-4 | 9,0.10-10 | 1,1.10-9 | 5,0.10-4 | 8,0.10-10 |
| Np-240 | 1,08 h | M | 5,0.10-4 | 8,7.10-11 | 1,3.10-10 | 5,0.10-4 | 8,2.10-11 |
| **Plutónium** |  |  |  |  |  |  |  |
| Pu-234 | 8,80 h | M | 5,0.10-4 | 1,9.10-8 | 1,6.10-8 | 5,0.10-4 | 1,6.10-10 |
|  |  | S | 1,0.10-5 | 2,2.10-8 | 1,8.10-8 | 1,0.10-5 | 1,5.10-10 |
|  |  |  |  |  |  | 1,0.10-4 | 1,6.10-10 |
| Pu-235 | 0,422 h | M | 5,0.10-4 | 1,5.10-12 | 2,5.10-12 | 5,0.10-4 | 2,1.10-12 |
|  |  | S | 1,0.10-5 | 1,6.10-12 | 2,6.10-12 | 1,0.10-5 | 2,1.10-12 |
|  |  |  |  |  |  | 1,0.10-4 | 2,1.10-12 |
| Pu-236 | 2,85 r | M | 5,0.10-4 | 1,8.10-5 | 1,3.10-5 | 5,0.10-4 | 8,6.10-8 |
|  |  | S | 1,0.10-5 | 9,6.10-6 | 7,4.10-6 | 1,0.10-5 | 6,3.10-9 |
|  |  |  |  |  |  | 1,0.10-4 | 2,1.10-8 |
| Pu-237 | 45,3 d | M | 5,0.10-4 | 3,3.10-10 | 2,9.10-10 | 5,0.10-4 | 1,0.10-10 |
|  |  | S | 1,0.10-5 | 3,6.10-10 | 3,0.10-10 | 1,0.10-5 | 1,0.10-10 |
|  |  |  |  |  |  | 1,0.10-4 | 1,0.10-10 |
| Pu-238 | 87,7 r | M | 5,0.10-4 | 4,3.10-5 | 3,0.10-5 | 5,0.10-4 | 2,3.10-7 |
|  |  | S | 1,0.10-5 | 1,5.10-5 | 1,1.10-5 | 1,0.10-5 | 8,8.10-9 |
|  |  |  |  |  |  | 1,0.10-4 | 4,9.10-8 |
| Pu-239 | 2,41 104  r | M | 5,0.10-4 | 4,7.10-5 | 3,2.10-5 | 5,0.10-4 | 2,5.10-7 |
|  |  | S | 1,0.10-5 | 1,5.10-5 | 8,3.10-6 | 1,0.10-5 | 9,0.10-9 |
|  |  |  |  |  |  | 1,0.10-4 | 5,3.10-8 |
| Pu-240 | 6,54 103  r | M | 5,0.10-4 | 4,7.10-5 | 3,2.10-5 | 5,0.10-4 | 2,5.10-7 |
|  |  | S | 1,0.10-5 | 1,5.10-5 | 8,3.10-6 | 1,0.10-5 | 9,0.10-9 |
|  |  |  |  |  |  | 1,0.10-4 | 5,3.10-8 |
| Pu-241 | 14,4 r | M | 5,0.10-4 | 8,5.10-7 | 5,8.10-7 | 5,0.10-4 | 4,7.10-9 |
|  |  | S | 1,0.10-5 | 1,6.10-7 | 8,4.10-8 | 1,0.10-5 | 1,1.10-10 |
|  |  |  |  |  |  | 1,0.10-4 | 9,6.10-10 |
| Pu-242 | 3,76 105  r | M | 5,0.10-4 | 4,4.10-5 | 3,1.10-5 | 5,0.10-4 | 2,4.10-7 |
|  |  | S | 1,0.10-5 | 1,4.10-5 | 7,7.10-6 | 1,0.10-5 | 8,6.10-9 |
|  |  |  |  |  |  | 1,0.10-4 | 5,0.10-8 |
| Pu-243 | 4,95 h | M | 5,0.10-4 | 8,2.10-11 | 1,1.10-10 | 5,0.10-4 | 8,5.10-11 |
|  |  | S | 1,0.10-5 | 8,5.10-11 | 1,1.10-10 | 1,0.10-5 | 8,5.10-11 |
|  |  |  |  |  |  | 1,0.10-4 | 8,5.10-11 |
| Pu-244 | 8,26 107  r | M | 5,0.10-4 | 4,4.10-5 | 3,0.10-5 | 5,0.10-4 | 2,4.10-7 |
|  |  | S | 1,0.10-5 | 1,3.10-5 | 7,4.10-6 | 1,0.10-5 | 1,1.10-8 |
|  |  |  |  |  |  | 1,0.10-4 | 5,2.10-8 |
| Pu-245 | 10,5 h | M | 5,0.10-4 | 4,5.10-10 | 6,1.10-10 | 5,0.10-4 | 7,2.10-10 |
|  |  | S | 1,0.10-5 | 4,8.10-10 | 6,5.10-10 | 1,0.10-5 | 7,2.10-10 |
|  |  |  |  |  |  | 1,0.10-4 | 7,2.10-10 |
| Pu-246 | 10,9 d | M | 5,0.10-4 | 7,0.10-9 | 6,5.10-9 | 5,0.10-4 | 3,3.10-9 |
|  |  | S | 1,0.10-5 | 7,6.10-9 | 7,0.10-9 | 1,0.10-5 | 3,3.10-9 |
|  |  |  |  |  |  | 1,0.10-4 | 3,3.10-9 |
| **Amerícium** |  |  |  |  |  |  |  |
| Am-237 | 1,22 h | M | 5,0.10-4 | 2,5.10-11 | 3,6.10-11 | 5,0.10-4 | 1,8.10-11 |
| Am-238 | 1,63 h | M | 5,0.10-4 | 8,5.10-11 | 6,6.10-11 | 5,0.10-4 | 3,2.10-11 |
| Am-239 | 11,9 h | M | 5,0.10-4 | 2,2.10-10 | 2,9.10-10 | 5,0.10-4 | 2,4.10-10 |
| Am-240 | 2,12 d | M | 5,0.10-4 | 4,4.10-10 | 5,9.10-10 | 5,0.10-4 | 5,8.10-10 |
| Am-241 | 4,32 102  r | M | 5,0.10-4 | 3,9.10-5 | 2,7.10-5 | 5,0.10-4 | 2,0.10-7 |
| Am-242 | 16,0 h | M | 5,0.10-4 | 1,6.10-8 | 1,2.10-8 | 5,0.10-4 | 3,0.10-10 |
| Am-242m | 1,52 102  r | M | 5,0.10-4 | 3,5.10-5 | 2,4.10-5 | 5,0.10-4 | 1,9.10-7 |
| Am-243 | 7,38 103  r | M | 5,0.10-4 | 3,9.10-5 | 2,7.10-5 | 5,0.10-4 | 2,0.10-7 |
| Am-244 | 10,1 h | M | 5,0.10-4 | 1,9.10-9 | 1,5.10-9 | 5,0.10-4 | 4,6.10-10 |
| Am-244m | 0,433 h | M | 5,0.10-4 | 7,9.10-11 | 6,2.10-11 | 5,0.10-4 | 2,9.10-11 |
| Am-245 | 2,05 h | M | 5,0.10-4 | 5,3.10-11 | 7,6.10-11 | 5,0.10-4 | 6,2.10-11 |
| Am-246 | 0,650 h | M | 5,0.10-4 | 6,8.10-11 | 1,1.10-10 | 5,0.10-4 | 5,8.10-11 |
| Am-246m | 0,417 h | M | 5,0.10-4 | 2,3.10-11 | 3,8.10-11 | 5,0.10-4 | 3,4.10-11 |
| **Curium** |  |  |  |  |  |  |  |
| Cm-238 | 2,40 h | M | 5,0.10-4 | 4,1.10-9 | 4,8.10-9 | 5,0.10-4 | 8,0.10-11 |
| Cm-240 | 27,0 d | M | 5,0.10-4 | 2,9.10-6 | 2,3.10-6 | 5,0.10-4 | 7,6.10-9 |
| Cm-241 | 32,8 d | M | 5,0.10-4 | 3,4.10-8 | 2,6.10-8 | 5,0.10-4 | 9,1.10-10 |
| Cm-242 | 163 d | M | 5,0.10-4 | 4,8.10-6 | 3,7.10-6 | 5,0.10-4 | 1,2.10-8 |
| Cm-243 | 28,5 r | M | 5,0.10-4 | 2,9.10-5 | 2,0.10-5 | 5,0.10-4 | 1,5.10-7 |
| Cm-244 | 18,1 r | M | 5,0.10-4 | 2,5.10-5 | 1,7.10-5 | 5,0.10-4 | 1,2.10-7 |
| Cm-245 | 8,50 103  r | M | 5,0.10-4 | 4,0.10-5 | 2,7.10-5 | 5,0.10-4 | 2,1.10-7 |
| Cm-246 | 4,73 103  r | M | 5,0.10-4 | 4,0.10-5 | 2,7.10-5 | 5,0.10-4 | 2,1.10-7 |
| Cm-247 | 1,56 107  r | M | 5,0.10-4 | 3,6.10-5 | 2,5.10-5 | 5,0.10-4 | 1,9.10-7 |
| Cm-248 | 3,39 105  r | M | 5,0.10-4 | 1,4.10-4 | 9,5.10-5 | 5,0.10-4 | 7,7.10-7 |
| Cm-249 | 1,07 h | M | 5,0.10-4 | 3,2.10-11 | 5,1.10-11 | 5,0.10-4 | 3,1.10-11 |
| Cm-250 | 6,90 103  r | M | 5,0.10-4 | 7,9.10-4 | 5,4.10-4 | 5,0.10-4 | 4,4.10-6 |
| **Berkélium** |  |  |  |  |  |  |  |
| Bk-245 | 4,94 d | M | 5,0.10-4 | 2,0.10-9 | 1,8.10-9 | 5,0.10-4 | 5,7.10-10 |
| Bk-246 | 1,83 d | M | 5,0.10-4 | 3,4.10-10 | 4,6.10-10 | 5,0.10-4 | 4,8.10-10 |
| Bk-247 | 1,38 103  r | M | 5,0.10-4 | 6,5.10-5 | 4,5.10-5 | 5,0.10-4 | 3,5.10-7 |
| Bk-249 | 320 d | M | 5,0.10-4 | 1,5.10-7 | 1,0.10-7 | 5,0.10-4 | 9,7.10-10 |
| Bk-250 | 3,22 h | M | 5,0.10-4 | 9,6.10-10 | 7,1.10-10 | 5,0.10-4 | 1,4.10-10 |
| **Kalifornium** |  |  |  |  |  |  |  |
| Cf-244 | 0,323 h | M | 5,0.10-4 | 1,3.10-8 | 1,8.10-8 | 5,0.10-4 | 7,0.10-11 |
| Cf-246 | 1,49 d | M | 5,0.10-4 | 4,2.10-7 | 3,5.10-7 | 5,0.10-4 | 3,3.10-9 |
| Cf-248 | 334 d | M | 5,0.10-4 | 8,2.10-6 | 6,1.10-6 | 5,0.10-4 | 2,8.10-8 |
| Cf-249 | 3,50 102  r | M | 5,0.10-4 | 6,6.10-5 | 4,5.10-5 | 5,0.10-4 | 3,5.10-7 |
| Cf-250 | 13,1 r | M | 5,0.10-4 | 3,2.10-5 | 2,2.10-5 | 5,0.10-4 | 1,6.10-7 |
| Cf-251 | 8,98 102  r | M | 5,0.10-4 | 6,7.10-5 | 4,6.10-5 | 5,0.10-4 | 3,6.10-7 |
| Cf-252 | 2,64 r | M | 5,0.10-4 | 1,8.10-5 | 1,3.10-5 | 5,0.10-4 | 9,0.10-8 |
| Cf-253 | 17,8 d | M | 5,0.10-4 | 1,2.10-6 | 1,0.10-6 | 5,0.10-4 | 1,4.10-9 |
| Cf-254 | 60,5 d | M | 5,0.10-4 | 3,7.10-5 | 2,2.10-5 | 5,0.10-4 | 4,0.10-7 |
| **Einsteinium** |  |  |  |  |  |  |  |
| Es-250 | 2,10 h | M | 5,0.10-4 | 5,9.10-10 | 4,2.10-10 | 5,0.10-4 | 2,1.10-11 |
| Es-251 | 1,38 d | M | 5,0.10-4 | 2,0.10-9 | 1,7.10-9 | 5,0.10-4 | 1,7.10-10 |
| Es-253 | 20,5 d | M | 5,0.10-4 | 2,5.10-6 | 2,1.10-6 | 5,0.10-4 | 6,1.10-9 |
| Es-254 | 276 d | M | 5,0.10-4 | 8,0.10-6 | 6,0.10-6 | 5,0.10-4 | 2,8.10-8 |
| Es-254m | 1,64 d | M | 5,0.10-4 | 4,4.10-7 | 3,7.10-7 | 5,0.10-4 | 4,2.10-9 |
| **Fermium** |  |  |  |  |  |  |  |
| Fm-252 | 22,7 h | M | 5,0.10-4 | 3,0.10-7 | 2,6.10-7 | 5,0.10-4 | 2,7.10-9 |
| Fm-253 | 3,00 d | M | 5,0.10-4 | 3,7.10-7 | 3,0.10-7 | 5,0.10-4 | 9,1.10-10 |
| Fm-254 | 3,24 h | M | 5,0.10-4 | 5,6.10-8 | 7,7.10-8 | 5,0.10-4 | 4,4.10-10 |
| Fm-255 | 20,1 h | M | 5,0.10-4 | 2,5.10-7 | 2,6.10-7 | 5,0.10-4 | 2,5.10-9 |
| Fm-257 | 101 d | M | 5,0.10-4 | 6,6.10-6 | 5,2.10-6 | 5,0.10-4 | 1,5.10-8 |
| **Mendelevium** |  |  |  |  |  |  |  |
| Md-257 | 5,20 h | M | 5,0.10-4 | 2,3.10-8 | 2,0.10-8 | 5,0.10-4 | 1,2.10-10 |
| Md-258 | 55,0 d | M | 5,0.10-4 | 5,5.10-6 | 4,4.10-6 | 5,0.10-4 | 1,3.10-8 |

Poznámka:

Konverzné faktory hinh pre príjem vdýchnutím (inhaláciou) sú pre aerosól dama = 1 µm a pre aerosól s dama = 5 µm uvedené v závislosti od typu absorpcie v pľúcach. Príslušné parametre pre jednotlivé chemické látky a zlúčeniny sú uvedené v tabuľke č. 10 tejto prílohy.

Konverzné faktory hing pre príjem požitím (ingesciou) sú uvedené v závislosti od typu absorpcie v tráviacom ústrojenstve. Príslušné parametre pre jednotlivé chemické látky a zlúčeniny sú uvedené v tabuľke č. 9 tejto prílohy.

U bližšie neidentifikovaných rádionuklidov a chemických foriem rádioaktívnych látok alebo vlastností vdychovaného aerosólu sa aktivita prisudzuje tým rádionuklidom a ich formám, alebo takému aerosólu, pre ktorý je v tabuľke stanovený najvyšší konverzný faktor.