https://physics.nist.gov/PhysRefData/XrayMassCoef/tab3.html



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| --- |
| **Zirconium*Z* = 40**HTML table format |
|  |
|   |        | **Energy** |        | ***μ*/*ρ*** |        |  |
|   | (MeV) | (cm2/g) |  |
|  |
|   | 1.00000E-03 | 4.210E+03 |  |
| 1.50000E-03 | 1.631E+03 |  |
| 2.00000E-03 | 8.115E+02 |  |
| 2.22230E-03 | 6.258E+02 |  |
| L3 | 2.22230E-03 | 2.392E+03 |  |
|   | 2.26411E-03 | 2.239E+03 |  |
| 2.30670E-03 | 2.120E+03 |  |
| L2 | 2.30670E-03 | 2.953E+03 |  |
|   | 2.41654E-03 | 2.641E+03 |  |
| 2.53160E-03 | 2.359E+03 |  |
| L1 | 2.53160E-03 | 2.691E+03 |  |
|   | 3.00000E-03 | 1.772E+03 |  |
| 4.00000E-03 | 8.507E+02 |  |
| 5.00000E-03 | 4.755E+02 |  |
| 6.00000E-03 | 2.935E+02 |  |
| 8.00000E-03 | 1.356E+02 |  |
| 1.00000E-02 | 7.417E+01 |  |
| 1.50000E-02 | 2.463E+01 |  |
| 1.79976E-02 | 1.501E+01 |  |
| K | 1.79976E-02 | 9.470E+01 |  |
|   | 2.00000E-02 | 7.237E+01 |  |
| 3.00000E-02 | 2.485E+01 |  |
| 4.00000E-02 | 1.139E+01 |  |
| 5.00000E-02 | 6.173E+00 |  |
| 6.00000E-02 | 3.744E+00 |  |
| 8.00000E-02 | 1.721E+00 |  |
| 1.00000E-01 | 9.658E-01 |  |
| 1.50000E-01 | 3.790E-01 |  |
| 2.00000E-01 | 2.237E-01 |  |
| 3.00000E-01 | 1.318E-01 |  |
| 4.00000E-01 | 1.018E-01 |  |
| 5.00000E-01 | 8.693E-02 |  |
| 6.00000E-01 | 7.756E-02 |  |
| 8.00000E-01 | 6.571E-02 |  |
| 1.00000E+00 | 5.810E-02 |  |
| 1.25000E+00 | 5.150E-02 |  |
| 1.50000E+00 | 4.700E-02 |  |
| 2.00000E+00 | 4.146E-02 |  |
| 3.00000E+00 | 3.644E-02 |  |
| 4.00000E+00 | 3.451E-02 |  |
| 5.00000E+00 | 3.384E-02 |  |
| 6.00000E+00 | 3.374E-02 |  |
| 8.00000E+00 | 3.441E-02 |  |
| 1.00000E+01 | 3.554E-02 |  |
| 1.50000E+01 | 3.855E-02 |  |
| 2.00000E+01 | 4.122E-02 |  |

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| --- |
| **Molybdenum*Z* = 42**HTML table format |
|  |
|   |        | **Energy** |        | ***μ*/*ρ*** |        |  |
|   | (MeV) | (cm2/g) |  |
|  |
|   | 1.00000E-03 | 4.942E+03 |  |
| 1.50000E-03 | 1.925E+03 |  |
| 2.00000E-03 | 9.593E+02 |  |
| 2.52020E-03 | 5.415E+02 |  |
| L3 | 2.52020E-03 | 1.979E+03 |  |
|   | 2.57212E-03 | 1.854E+03 |  |
| 2.62510E-03 | 1.750E+03 |  |
| L2 | 2.62510E-03 | 2.433E+03 |  |
|   | 2.74267E-03 | 2.183E+03 |  |
| 2.86550E-03 | 1.961E+03 |  |
| L1 | 2.86550E-03 | 2.243E+03 |  |
|   | 3.00000E-03 | 2.011E+03 |  |
| 4.00000E-03 | 9.703E+02 |  |
| 5.00000E-03 | 5.450E+02 |  |
| 6.00000E-03 | 3.373E+02 |  |
| 8.00000E-03 | 1.565E+02 |  |
| 1.00000E-02 | 8.576E+01 |  |
| 1.50000E-02 | 2.854E+01 |  |
| 1.99995E-02 | 1.308E+01 |  |
| K | 1.99995E-02 | 8.055E+01 |  |
|   | 2.00000E-02 | 8.054E+01 |  |
| 3.00000E-02 | 2.810E+01 |  |
| 4.00000E-02 | 1.294E+01 |  |
| 5.00000E-02 | 7.037E+00 |  |
| 6.00000E-02 | 4.274E+00 |  |
| 8.00000E-02 | 1.962E+00 |  |
| 1.00000E-01 | 1.096E+00 |  |
| 1.50000E-01 | 4.208E-01 |  |
| 2.00000E-01 | 2.423E-01 |  |
| 3.00000E-01 | 1.379E-01 |  |
| 4.00000E-01 | 1.047E-01 |  |
| 5.00000E-01 | 8.848E-02 |  |
| 6.00000E-01 | 7.851E-02 |  |
| 8.00000E-01 | 6.619E-02 |  |
| 1.00000E+00 | 5.837E-02 |  |
| 1.25000E+00 | 5.167E-02 |  |
| 1.50000E+00 | 4.713E-02 |  |
| 2.00000E+00 | 4.163E-02 |  |
| 3.00000E+00 | 3.675E-02 |  |
| 4.00000E+00 | 3.496E-02 |  |
| 5.00000E+00 | 3.439E-02 |  |
| 6.00000E+00 | 3.440E-02 |  |
| 8.00000E+00 | 3.523E-02 |  |
| 1.00000E+01 | 3.650E-02 |  |
| 1.50000E+01 | 3.978E-02 |  |
| 2.00000E+01 | 4.264E-02 |  |

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