

Muons in m,n-dimethyl formamide (C₃H₆NOH)

| $\langle Z/A \rangle$ | ρ [g/cm ³] | I [eV] | a | $k = m_s$ | x_0 | x_1 | \bar{C} | δ_0 |
|-----------------------|-----------------------------|------------|---------|---------------------------------------|-----------|---------|------------------------------------|------------|
| 0.54724 | 0.949 | 66.6 | 0.11470 | 3.3710 | 0.1977 | 2.6686 | 3.3311 | 0.00 |
| T | p [MeV/c] | Ionization | Brems | Pair prod [MeV cm ² /g] | Photonucl | Total | CSDA range [g/cm ²] | |
| 10.0 MeV | 4.704×10^1 | 7.973 | | | | 7.973 | 6.924×10^{-1} | |
| 14.0 MeV | 5.616×10^1 | 6.216 | | | | 6.216 | 1.267×10^0 | |
| 20.0 MeV | 6.802×10^1 | 4.852 | | | | 4.852 | 2.372×10^0 | |
| 30.0 MeV | 8.509×10^1 | 3.762 | | | | 3.762 | 4.746×10^0 | |
| 40.0 MeV | 1.003×10^2 | 3.211 | | | | 3.211 | 7.642×10^0 | |
| 80.0 MeV | 1.527×10^2 | 2.409 | | | | 2.409 | 2.248×10^1 | |
| 100. MeV | 1.764×10^2 | 2.261 | | | | 2.261 | 3.107×10^1 | |
| 140. MeV | 2.218×10^2 | 2.104 | | | | 2.104 | 4.950×10^1 | |
| 200. MeV | 2.868×10^2 | 2.013 | | | | 2.014 | 7.876×10^1 | |
| 300. MeV | 3.917×10^2 | 1.978 | | | 0.000 | 1.978 | 1.290×10^2 | |
| 325. MeV | 4.171×10^2 | 1.977 | | | 0.000 | 1.977 | <i>Minimum ionization</i> | |
| 400. MeV | 4.945×10^2 | 1.983 | | | 0.000 | 1.983 | 1.796×10^2 | |
| 800. MeV | 8.995×10^2 | 2.056 | 0.000 | | 0.000 | 2.056 | 3.777×10^2 | |
| 1.00 GeV | 1.101×10^3 | 2.089 | 0.000 | | 0.000 | 2.090 | 4.741×10^2 | |
| 1.40 GeV | 1.502×10^3 | 2.144 | 0.000 | | 0.001 | 2.145 | 6.629×10^2 | |
| 2.00 GeV | 2.103×10^3 | 2.205 | 0.001 | 0.000 | 0.001 | 2.206 | 9.385×10^2 | |
| 3.00 GeV | 3.104×10^3 | 2.273 | 0.001 | 0.001 | 0.001 | 2.276 | 1.384×10^3 | |
| 4.00 GeV | 4.104×10^3 | 2.321 | 0.001 | 0.001 | 0.002 | 2.325 | 1.819×10^3 | |
| 8.00 GeV | 8.105×10^3 | 2.431 | 0.003 | 0.003 | 0.004 | 2.441 | 3.493×10^3 | |
| 10.0 GeV | 1.011×10^4 | 2.464 | 0.004 | 0.004 | 0.005 | 2.477 | 4.306×10^3 | |
| 14.0 GeV | 1.411×10^4 | 2.512 | 0.006 | 0.007 | 0.007 | 2.532 | 5.902×10^3 | |
| 20.0 GeV | 2.011×10^4 | 2.561 | 0.010 | 0.011 | 0.009 | 2.592 | 8.242×10^3 | |
| 30.0 GeV | 3.011×10^4 | 2.614 | 0.016 | 0.020 | 0.014 | 2.664 | 1.205×10^4 | |
| 40.0 GeV | 4.011×10^4 | 2.650 | 0.023 | 0.029 | 0.018 | 2.720 | 1.576×10^4 | |
| 80.0 GeV | 8.011×10^4 | 2.732 | 0.053 | 0.071 | 0.034 | 2.890 | 3.000×10^4 | |
| 100. GeV | 1.001×10^5 | 2.758 | 0.068 | 0.093 | 0.043 | 2.963 | 3.684×10^4 | |
| 140. GeV | 1.401×10^5 | 2.796 | 0.101 | 0.140 | 0.059 | 3.097 | 5.004×10^4 | |
| 200. GeV | 2.001×10^5 | 2.836 | 0.152 | 0.215 | 0.084 | 3.288 | 6.883×10^4 | |
| 300. GeV | 3.001×10^5 | 2.882 | 0.240 | 0.342 | 0.126 | 3.590 | 9.792×10^4 | |
| 400. GeV | 4.001×10^5 | 2.914 | 0.332 | 0.474 | 0.168 | 3.888 | 1.247×10^5 | |
| 800. GeV | 8.001×10^5 | 2.992 | 0.713 | 1.026 | 0.339 | 5.071 | 2.145×10^5 | |
| 1.00 TeV | 1.000×10^6 | 3.018 | 0.911 | 1.312 | 0.426 | 5.667 | 2.518×10^5 | |
| 1.14 TeV | 1.135×10^6 | 3.032 | 1.044 | 1.502 | 0.486 | 6.065 | <i>Muon critical energy</i> | |
| 1.40 TeV | 1.400×10^6 | 3.057 | 1.308 | 1.880 | 0.605 | 6.849 | 3.159×10^5 | |
| 2.00 TeV | 2.000×10^6 | 3.098 | 1.919 | 2.751 | 0.876 | 8.644 | 3.937×10^5 | |
| 3.00 TeV | 3.000×10^6 | 3.146 | 2.944 | 4.201 | 1.342 | 11.634 | 4.931×10^5 | |
| 4.00 TeV | 4.000×10^6 | 3.181 | 3.987 | 5.673 | 1.816 | 14.657 | 5.695×10^5 | |
| 8.00 TeV | 8.000×10^6 | 3.266 | 8.212 | 11.600 | 3.792 | 26.871 | 7.681×10^5 | |
| 10.0 TeV | 1.000×10^7 | 3.293 | 10.350 | 14.586 | 4.810 | 33.040 | 8.351×10^5 | |
| 14.0 TeV | 1.400×10^7 | 3.336 | 14.617 | 20.535 | 6.908 | 45.396 | 9.380×10^5 | |
| 20.0 TeV | 2.000×10^7 | 3.382 | 21.073 | 29.508 | 10.132 | 64.096 | 1.049×10^6 | |
| 30.0 TeV | 3.000×10^7 | 3.435 | 31.825 | 44.438 | 15.730 | 95.428 | 1.176×10^6 | |
| 40.0 TeV | 4.000×10^7 | 3.473 | 42.636 | 59.417 | 21.476 | 127.002 | 1.266×10^6 | |
| 80.0 TeV | 8.000×10^7 | 3.568 | 85.987 | 119.384 | 45.601 | 254.540 | 1.485×10^6 | |
| 100. TeV | 1.000×10^8 | 3.599 | 107.721 | 149.404 | 58.111 | 318.835 | 1.555×10^6 | |