

Muons in silver chloride (AgCl)

| | $\langle Z/A \rangle$ | ρ [g/cm ³] | I [eV] | a | $k = m_s$ | x_0 | x_1 | \bar{C} | δ_0 |
|----------|-----------------------|-----------------------------|----------|-----------|-----------|----------|------------------------------------|-----------|------------|
| | 0.44655 | 5.560 | 398.4 | 0.22968 | 2.7041 | -0.0139 | 3.2022 | 5.3437 | 0.00 |
| T | p [MeV/c] | Ionization | Brems | Pair prod | Photonucl | Total | CSDA range [g/cm ²] | | |
| 10.0 MeV | 4.704×10^1 | 5.023 | | | | 5.023 | 1.123×10^0 | | |
| 14.0 MeV | 5.616×10^1 | 3.959 | | | | 3.959 | 2.029×10^0 | | |
| 20.0 MeV | 6.802×10^1 | 3.122 | | | | 3.122 | 3.754×10^0 | | |
| 30.0 MeV | 8.509×10^1 | 2.446 | | | | 2.446 | 7.422×10^0 | | |
| 40.0 MeV | 1.003×10^2 | 2.102 | | | | 2.103 | 1.186×10^1 | | |
| 80.0 MeV | 1.527×10^2 | 1.598 | | | | 1.598 | 3.434×10^1 | | |
| 100. MeV | 1.764×10^2 | 1.507 | | | | 1.508 | 4.726×10^1 | | |
| 140. MeV | 2.218×10^2 | 1.419 | | | | 1.419 | 7.474×10^1 | | |
| 200. MeV | 2.868×10^2 | 1.375 | | | | 1.375 | 1.178×10^2 | | |
| 256. MeV | 3.462×10^2 | 1.367 | | | 0.000 | 1.367 | <i>Minimum ionization</i> | | |
| 300. MeV | 3.917×10^2 | 1.370 | 0.000 | | 0.000 | 1.370 | 1.909×10^2 | | |
| 400. MeV | 4.945×10^2 | 1.388 | 0.000 | | 0.000 | 1.388 | 2.634×10^2 | | |
| 800. MeV | 8.995×10^2 | 1.473 | 0.001 | | 0.000 | 1.474 | 5.427×10^2 | | |
| 1.00 GeV | 1.101×10^3 | 1.508 | 0.001 | | 0.000 | 1.510 | 6.767×10^2 | | |
| 1.40 GeV | 1.502×10^3 | 1.564 | 0.001 | 0.000 | 0.001 | 1.566 | 9.367×10^2 | | |
| 2.00 GeV | 2.103×10^3 | 1.624 | 0.002 | 0.001 | 0.001 | 1.628 | 1.312×10^3 | | |
| 3.00 GeV | 3.104×10^3 | 1.692 | 0.004 | 0.003 | 0.001 | 1.700 | 1.912×10^3 | | |
| 4.00 GeV | 4.104×10^3 | 1.739 | 0.006 | 0.005 | 0.002 | 1.752 | 2.491×10^3 | | |
| 8.00 GeV | 8.105×10^3 | 1.846 | 0.014 | 0.014 | 0.003 | 1.879 | 4.687×10^3 | | |
| 10.0 GeV | 1.011×10^4 | 1.878 | 0.019 | 0.020 | 0.004 | 1.922 | 5.739×10^3 | | |
| 14.0 GeV | 1.411×10^4 | 1.924 | 0.029 | 0.032 | 0.006 | 1.992 | 7.783×10^3 | | |
| 20.0 GeV | 2.011×10^4 | 1.970 | 0.045 | 0.052 | 0.008 | 2.076 | 1.073×10^4 | | |
| 30.0 GeV | 3.011×10^4 | 2.018 | 0.074 | 0.091 | 0.012 | 2.195 | 1.541×10^4 | | |
| 40.0 GeV | 4.011×10^4 | 2.050 | 0.104 | 0.133 | 0.015 | 2.304 | 1.986×10^4 | | |
| 80.0 GeV | 8.011×10^4 | 2.121 | 0.236 | 0.319 | 0.030 | 2.707 | 3.585×10^4 | | |
| 100. GeV | 1.001×10^5 | 2.143 | 0.306 | 0.419 | 0.037 | 2.905 | 4.298×10^4 | | |
| 140. GeV | 1.401×10^5 | 2.174 | 0.449 | 0.625 | 0.052 | 3.301 | 5.589×10^4 | | |
| 200. GeV | 2.001×10^5 | 2.207 | 0.673 | 0.952 | 0.074 | 3.906 | 7.258×10^4 | | |
| 255. GeV | 2.556×10^5 | 2.230 | 0.883 | 1.252 | 0.094 | 4.460 | <i>Muon critical energy</i> | | |
| 300. GeV | 3.001×10^5 | 2.244 | 1.056 | 1.499 | 0.111 | 4.910 | 9.537×10^4 | | |
| 400. GeV | 4.001×10^5 | 2.271 | 1.452 | 2.066 | 0.147 | 5.936 | 1.139×10^5 | | |
| 800. GeV | 8.001×10^5 | 2.334 | 3.087 | 4.391 | 0.298 | 10.112 | 1.649×10^5 | | |
| 1.00 TeV | 1.000×10^6 | 2.355 | 3.928 | 5.582 | 0.375 | 12.241 | 1.829×10^5 | | |
| 1.40 TeV | 1.400×10^6 | 2.387 | 5.614 | 7.957 | 0.531 | 16.490 | 2.109×10^5 | | |
| 2.00 TeV | 2.000×10^6 | 2.421 | 8.195 | 11.583 | 0.768 | 22.968 | 2.416×10^5 | | |
| 3.00 TeV | 3.000×10^6 | 2.460 | 12.504 | 17.610 | 1.174 | 33.749 | 2.774×10^5 | | |
| 4.00 TeV | 4.000×10^6 | 2.488 | 16.872 | 23.701 | 1.587 | 44.650 | 3.030×10^5 | | |
| 8.00 TeV | 8.000×10^6 | 2.557 | 34.491 | 48.194 | 3.300 | 88.544 | 3.654×10^5 | | |
| 10.0 TeV | 1.000×10^7 | 2.580 | 43.373 | 60.508 | 4.180 | 110.642 | 3.856×10^5 | | |
| 14.0 TeV | 1.400×10^7 | 2.615 | 61.091 | 85.073 | 5.988 | 154.768 | 4.160×10^5 | | |
| 20.0 TeV | 2.000×10^7 | 2.652 | 87.831 | 122.082 | 8.759 | 221.325 | 4.483×10^5 | | |
| 30.0 TeV | 3.000×10^7 | 2.696 | 132.339 | 183.665 | 13.551 | 332.252 | 4.849×10^5 | | |
| 40.0 TeV | 4.000×10^7 | 2.727 | 177.014 | 245.400 | 18.458 | 443.600 | 5.109×10^5 | | |
| 80.0 TeV | 8.000×10^7 | 2.804 | 356.006 | 492.508 | 38.961 | 890.280 | 5.733×10^5 | | |
| 100. TeV | 1.000×10^8 | 2.829 | 445.665 | 616.178 | 49.554 | 1114.228 | 5.933×10^5 | | |