

**Table 246: Muons in Silver bromide AgBr**

	$\langle Z/A \rangle$	$\rho$ [g/cm <sup>3</sup> ]	$I$ [eV]	$a$	$k = m_s$	$x_0$	$x_1$	$\bar{C}$	$\delta_0$
	0.43670	6.473	486.6	0.24582	2.6820	0.0352	3.2109	5.6139	0.00
$T$	$p$ [MeV/c]	Ionization	Brems	Pair prod [MeV cm <sup>2</sup> /g]	Photonucl	Total	CSDA range [g/cm <sup>2</sup> ]		
10.0 MeV	$4.704 \times 10^1$	4.750				4.750	$1.191 \times 10^0$		
14.0 MeV	$5.616 \times 10^1$	3.750				3.750	$2.149 \times 10^0$		
20.0 MeV	$6.802 \times 10^1$	2.961				2.961	$3.969 \times 10^0$		
30.0 MeV	$8.509 \times 10^1$	2.324				2.324	$7.831 \times 10^0$		
40.0 MeV	$1.003 \times 10^2$	1.999				2.000	$1.250 \times 10^1$		
80.0 MeV	$1.527 \times 10^2$	1.526				1.526	$3.609 \times 10^1$		
100. MeV	$1.764 \times 10^2$	1.441				1.441	$4.961 \times 10^1$		
140. MeV	$2.218 \times 10^2$	1.359				1.359	$7.832 \times 10^1$		
200. MeV	$2.868 \times 10^2$	1.319				1.319	$1.233 \times 10^2$		
247. MeV	$3.366 \times 10^2$	1.314				1.314	<i>Minimum ionization</i>		
300. MeV	$3.917 \times 10^2$	1.318	0.000		0.000	1.318	$1.993 \times 10^2$		
400. MeV	$4.945 \times 10^2$	1.337	0.000		0.000	1.337	$2.747 \times 10^2$		
800. MeV	$8.995 \times 10^2$	1.423	0.001		0.000	1.424	$5.642 \times 10^2$		
1.00 GeV	$1.101 \times 10^3$	1.458	0.001		0.000	1.459	$7.029 \times 10^2$		
1.40 GeV	$1.502 \times 10^3$	1.513	0.001	0.000	0.001	1.516	$9.715 \times 10^2$		
2.00 GeV	$2.103 \times 10^3$	1.574	0.002	0.001	0.001	1.578	$1.359 \times 10^3$		
3.00 GeV	$3.104 \times 10^3$	1.641	0.004	0.003	0.001	1.650	$1.978 \times 10^3$		
4.00 GeV	$4.104 \times 10^3$	1.688	0.006	0.005	0.002	1.701	$2.574 \times 10^3$		
8.00 GeV	$8.105 \times 10^3$	1.794	0.015	0.015	0.003	1.828	$4.834 \times 10^3$		
10.0 GeV	$1.011 \times 10^4$	1.826	0.020	0.021	0.004	1.871	$5.915 \times 10^3$		
14.0 GeV	$1.411 \times 10^4$	1.872	0.030	0.034	0.006	1.942	$8.011 \times 10^3$		
20.0 GeV	$2.011 \times 10^4$	1.917	0.047	0.055	0.008	2.027	$1.103 \times 10^4$		
30.0 GeV	$3.011 \times 10^4$	1.964	0.077	0.095	0.012	2.149	$1.582 \times 10^4$		
40.0 GeV	$4.011 \times 10^4$	1.996	0.109	0.140	0.015	2.261	$2.036 \times 10^4$		
80.0 GeV	$8.011 \times 10^4$	2.066	0.247	0.334	0.030	2.678	$3.658 \times 10^4$		
100. GeV	$1.001 \times 10^5$	2.087	0.320	0.440	0.037	2.884	$4.378 \times 10^4$		
140. GeV	$1.401 \times 10^5$	2.118	0.470	0.656	0.051	3.296	$5.674 \times 10^4$		
200. GeV	$2.001 \times 10^5$	2.150	0.704	0.999	0.073	3.927	$7.340 \times 10^4$		
239. GeV	$2.391 \times 10^5$	2.166	0.859	1.220	0.087	4.333	<i>Muon critical energy</i>		
300. GeV	$3.001 \times 10^5$	2.186	1.105	1.572	0.109	4.974	$9.599 \times 10^4$		
400. GeV	$4.001 \times 10^5$	2.212	1.519	2.167	0.146	6.045	$1.142 \times 10^5$		
800. GeV	$8.001 \times 10^5$	2.274	3.231	4.605	0.295	10.407	$1.641 \times 10^5$		
1.00 TeV	$1.000 \times 10^6$	2.295	4.111	5.853	0.370	12.630	$1.815 \times 10^5$		
1.40 TeV	$1.400 \times 10^6$	2.326	5.875	8.343	0.525	17.070	$2.086 \times 10^5$		
2.00 TeV	$2.000 \times 10^6$	2.359	8.575	12.144	0.759	23.838	$2.382 \times 10^5$		
3.00 TeV	$3.000 \times 10^6$	2.397	13.084	18.460	1.161	35.103	$2.726 \times 10^5$		
4.00 TeV	$4.000 \times 10^6$	2.425	17.654	24.844	1.569	46.493	$2.973 \times 10^5$		
8.00 TeV	$8.000 \times 10^6$	2.492	36.086	50.512	3.262	92.354	$3.572 \times 10^5$		
10.0 TeV	$1.000 \times 10^7$	2.515	45.377	63.417	4.132	115.441	$3.765 \times 10^5$		
14.0 TeV	$1.400 \times 10^7$	2.549	63.909	89.163	5.917	161.539	$4.057 \times 10^5$		
20.0 TeV	$2.000 \times 10^7$	2.585	91.877	127.950	8.654	231.068	$4.365 \times 10^5$		
30.0 TeV	$3.000 \times 10^7$	2.627	138.436	192.487	13.385	346.937	$4.716 \times 10^5$		
40.0 TeV	$4.000 \times 10^7$	2.658	185.169	257.181	18.228	463.238	$4.965 \times 10^5$		
80.0 TeV	$8.000 \times 10^7$	2.733	372.400	516.142	38.455	929.732	$5.562 \times 10^5$		
100. TeV	$1.000 \times 10^8$	2.758	466.183	645.744	48.903	1163.590	$5.754 \times 10^5$		