Table 116: Muons in Beryllium oxide (BeO)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.47979	3.010	93.2	0.10755	3.4927	0.0241	2.5846	2.9801	0.00

T	p [MeV/c]	Ionization	Brems	Pair prod	Photonucl	Total	CSDA range [g/cm^2]
		[MeV cm^2/g]					
10.0 MeV	4.704×10^1	6.691				6.691	8.277×10^{-1}
14.0 MeV	5.616×10^1	5.225				5.225	1.511×10^0
20.0 MeV	6.802×10^1	4.085				4.085	2.825×10^0
30.0 MeV	8.509×10^1	3.172				3.172	5.642×10^0
40.0 MeV	1.003×10^2	2.711				2.711	9.074×10^0
80.0 MeV	1.527×10^2	2.025				2.025	2.668×10^1
100. MeV	1.764×10^2	1.897				1.898	3.691×10^1
140. MeV	2.218×10^2	1.768				1.768	5.886×10^1
200. MeV	2.868×10^2	1.693				1.694	9.367×10^1
300. MeV	3.917×10^2	1.665			0.000	1.666	1.534×10^2
317. MeV	4.096×10^2	1.665			0.000	1.665	*Minimum ionization*
400. MeV	4.945×10^2	1.671			0.000	1.671	2.134×10^2
800. MeV	8.995×10^2	1.735	0.000		0.000	1.735	4.483×10^2
1.00 GeV	1.101×10^3	1.764	0.000		0.000	1.764	5.626×10^2
1.40 GeV	1.502×10^3	1.811	0.000		0.001	1.812	7.862×10^2
2.00 GeV	2.103×10^3	1.863	0.001	0.000	0.001	1.864	1.112×10^3
3.00 GeV	3.104×10^3	1.922	0.001	0.001	0.001	1.925	1.640×10^3
4.00 GeV	4.104×10^3	1.963	0.001	0.001	0.002	1.967	2.153×10^3
8.00 GeV	8.105×10^3	2.057	0.003	0.003	0.004	2.067	4.131×10^3
10.0 GeV	1.011×10^4	2.086	0.004	0.004	0.005	2.099	5.091×10^3
14.0 GeV	1.411×10^4	2.128	0.006	0.007	0.007	2.148	6.973×10^3
20.0 GeV	2.011×10^4	2.170	0.010	0.011	0.009	2.201	9.731×10^3
30.0 GeV	3.011×10^4	2.216	0.016	0.020	0.013	2.266	1.421×10^4
40.0 GeV	4.011×10^4	2.248	0.023	0.029	0.018	2.318	1.857×10^4
80.0 GeV	8.011×10^4	2.320	0.053	0.071	0.034	2.478	3.523×10^4
100. GeV	1.001×10^5	2.343	0.068	0.094	0.042	2.547	4.319×10^4
140. GeV	1.401×10^5	2.376	0.101	0.141	0.059	2.677	5.850×10^4
200. GeV	2.001×10^5	2.411	0.152	0.215	0.083	2.862	8.017×10^4
300. GeV	3.001×10^5	2.451	0.240	0.342	0.125	3.158	1.134×10^5
400. GeV	4.001×10^5	2.479	0.331	0.474	0.166	3.451	1.437×10^5
800. GeV	8.001×10^5	2.548	0.710	1.024	0.336	4.619	2.435×10^5
976. GeV	9.758×10^5	2.568	0.882	1.274	0.412	5.136	*Muon critical energy*
1.00 TeV	1.000×10^6	2.570	0.906	1.309	0.422	5.208	2.843×10^5
1.40 TeV	1.400×10^6	2.604	1.301	1.875	0.599	6.379	3.536×10^5
2.00 TeV	2.000×10^6	2.641	1.907	2.742	0.867	8.158	4.366×10^5
3.00 TeV	3.000×10^6	2.683	2.924	4.186	1.329	11.122	5.412×10^5
4.00 TeV	4.000×10^6	2.713	3.957	5.651	1.799	14.120	6.208×10^5
8.00 TeV	8.000×10^6	2.788	8.141	11.549	3.754	26.233	8.254×10^5
10.0 TeV	1.000×10^7	2.812	10.257	14.520	4.761	32.351	8.940×10^5
14.0 TeV	1.400×10^7	2.849	14.478	20.440	6.836	44.604	9.988×10^5
20.0 TeV	2.000×10^7	2.890	20.861	29.370	10.024	63.145	1.111×10^6
30.0 TeV	3.000×10^7	2.936	31.490	44.226	15.557	94.210	1.240×10^6
40.0 TeV	4.000×10^7	2.970	42.174	59.131	21.235	125.511	1.332×10^6
80.0 TeV	8.000×10^7	3.053	85.014	118.803	45.058	251.928	1.552×10^6
100. TeV	1.000×10^8	3.080	106.490	148.674	57.406	315.650	1.623×10^6