

Muons in potassium oxide (K₂O)

	$\langle Z/A \rangle$	ρ [g/cm ³]	I [eV]	a	$k = m_s$	x_0	x_1	\bar{C}	δ_0
	0.48834	2.320	189.9	0.16789	3.0121	0.0480	3.0110	4.6463	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	6.165				6.165		9.054×10^{-1}	
14.0 MeV	5.616×10^1	4.833				4.834		1.646×10^0	
20.0 MeV	6.802×10^1	3.793				3.793		3.063×10^0	
30.0 MeV	8.509×10^1	2.957				2.957		6.089×10^0	
40.0 MeV	1.003×10^2	2.534				2.534		9.766×10^0	
80.0 MeV	1.527×10^2	1.914				1.914		2.849×10^1	
100. MeV	1.764×10^2	1.801				1.801		3.929×10^1	
140. MeV	2.218×10^2	1.689				1.689		6.233×10^1	
200. MeV	2.868×10^2	1.630				1.630		9.863×10^1	
277. MeV	3.673×10^2	1.615			0.000	1.615		<i>Minimum ionization</i>	
300. MeV	3.917×10^2	1.616			0.000	1.616		1.604×10^2	
400. MeV	4.945×10^2	1.631	0.000		0.000	1.631		2.220×10^2	
800. MeV	8.995×10^2	1.716	0.000		0.000	1.716		4.610×10^2	
1.00 GeV	1.101×10^3	1.751	0.000		0.000	1.752		5.763×10^2	
1.40 GeV	1.502×10^3	1.808	0.001	0.000	0.001	1.810		8.008×10^2	
2.00 GeV	2.103×10^3	1.870	0.001	0.001	0.001	1.873		1.126×10^3	
3.00 GeV	3.104×10^3	1.939	0.002	0.001	0.001	1.944		1.650×10^3	
4.00 GeV	4.104×10^3	1.988	0.003	0.002	0.002	1.995		2.157×10^3	
8.00 GeV	8.105×10^3	2.096	0.008	0.007	0.004	2.115		4.098×10^3	
10.0 GeV	1.011×10^4	2.129	0.010	0.010	0.004	2.154		5.034×10^3	
14.0 GeV	1.411×10^4	2.176	0.015	0.017	0.006	2.214		6.865×10^3	
20.0 GeV	2.011×10^4	2.222	0.023	0.027	0.009	2.282		9.532×10^3	
30.0 GeV	3.011×10^4	2.272	0.038	0.047	0.013	2.371		1.383×10^4	
40.0 GeV	4.011×10^4	2.305	0.054	0.069	0.017	2.445		1.798×10^4	
80.0 GeV	8.011×10^4	2.380	0.123	0.167	0.032	2.701		3.352×10^4	
100. GeV	1.001×10^5	2.403	0.159	0.219	0.040	2.821		4.076×10^4	
140. GeV	1.401×10^5	2.437	0.233	0.328	0.055	3.054		5.439×10^4	
200. GeV	2.001×10^5	2.473	0.350	0.500	0.079	3.403		7.299×10^4	
300. GeV	3.001×10^5	2.513	0.551	0.790	0.118	3.973		1.002×10^5	
400. GeV	4.001×10^5	2.542	0.758	1.092	0.157	4.549		1.237×10^5	
499. GeV	4.994×10^5	2.564	0.969	1.399	0.196	5.129		<i>Muon critical energy</i>	
800. GeV	8.001×10^5	2.612	1.617	2.332	0.318	6.879		1.947×10^5	
1.00 TeV	1.000×10^6	2.634	2.060	2.969	0.399	8.063		2.215×10^5	
1.40 TeV	1.400×10^6	2.669	2.948	4.239	0.566	10.423		2.650×10^5	
2.00 TeV	2.000×10^6	2.706	4.310	6.182	0.820	14.018		3.145×10^5	
3.00 TeV	3.000×10^6	2.749	6.588	9.411	1.255	20.003		3.739×10^5	
4.00 TeV	4.000×10^6	2.780	8.900	12.679	1.697	26.056		4.176×10^5	
8.00 TeV	8.000×10^6	2.856	18.239	25.826	3.535	50.455		5.260×10^5	
10.0 TeV	1.000×10^7	2.880	22.952	32.440	4.480	62.752		5.615×10^5	
14.0 TeV	1.400×10^7	2.918	32.360	45.631	6.424	87.335		6.153×10^5	
20.0 TeV	2.000×10^7	2.959	46.575	65.513	9.407	124.455		6.725×10^5	
30.0 TeV	3.000×10^7	3.007	70.212	98.594	14.575	186.389		7.378×10^5	
40.0 TeV	4.000×10^7	3.041	93.947	131.766	19.873	248.627		7.841×10^5	
80.0 TeV	8.000×10^7	3.125	189.099	264.559	42.049	498.834		8.954×10^5	
100. TeV	1.000×10^8	3.153	236.785	331.027	53.524	624.489		9.312×10^5	