Muons in lanthanum oxybromide (LaOBr)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.42599	6.280	439.7	0.17830	2.8457	−0.0350	3.3288	5.4666	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	4.714				4.714	1.199×10^0
14.0 MeV	5.616×10^1	3.718				3.718	2.164×10^0
20.0 MeV	6.802×10^1	2.934				2.934	4.000×10^0
30.0 MeV	8.509×10^1	2.301				2.301	7.900×10^0
40.0 MeV	1.003×10^2	1.979				1.979	1.262×10^1
80.0 MeV	1.527×10^2	1.508				1.508	3.647×10^1
100. MeV	1.764×10^2	1.424				1.424	5.015×10^1
140. MeV	2.218×10^2	1.341				1.341	7.923×10^1
200. MeV	2.868×10^2	1.301				1.301	1.248×10^2
253. MeV	3.431×10^2	1.294				1.295	*Minimum ionization*
300. MeV	3.917×10^2	1.298	0.000		0.000	1.298	2.019×10^2
400. MeV	4.945×10^2	1.315	0.000		0.000	1.316	2.785×10^2
800. MeV	8.995×10^2	1.398	0.001		0.000	1.399	5.730×10^2
1.00 GeV	1.101×10^3	1.432	0.001		0.000	1.433	7.141×10^2
1.40 GeV	1.502×10^3	1.485	0.002	0.000	0.001	1.487	9.879×10^2
2.00 GeV	2.103×10^3	1.543	0.003	0.001	0.001	1.547	1.383×10^3
3.00 GeV	3.104×10^3	1.608	0.004	0.003	0.001	1.616	2.014×10^3
4.00 GeV	4.104×10^3	1.653	0.006	0.005	0.002	1.666	2.623×10^3
8.00 GeV	8.105×10^3	1.755	0.016	0.015	0.003	1.790	4.931×10^3
10.0 GeV	1.011×10^4	1.786	0.021	0.021	0.004	1.832	6.035×10^3
14.0 GeV	1.411×10^4	1.830	0.032	0.035	0.006	1.902	8.176×10^3
20.0 GeV	2.011×10^4	1.873	0.049	0.056	0.008	1.987	1.126×10^4
30.0 GeV	3.011×10^4	1.919	0.081	0.098	0.011	2.111	1.614×10^4
40.0 GeV	4.011×10^4	1.950	0.114	0.144	0.015	2.224	2.075×10^4
80.0 GeV	8.011×10^4	2.018	0.258	0.346	0.030	2.653	3.719×10^4
100. GeV	1.001×10^5	2.039	0.334	0.455	0.037	2.866	4.444×10^4
140. GeV	1.401×10^5	2.069	0.490	0.679	0.051	3.291	5.746×10^4
200. GeV	2.001×10^5	2.101	0.735	1.034	0.073	3.944	7.410×10^4
226. GeV	2.262×10^5	2.111	0.843	1.187	0.082	4.224	*Muon critical energy*
300. GeV	3.001×10^5	2.136	1.153	1.628	0.109	5.027	9.651×10^4
400. GeV	4.001×10^5	2.161	1.586	2.243	0.145	6.136	1.145×10^5
800. GeV	8.001×10^5	2.222	3.371	4.768	0.293	10.656	1.634×10^5
1.00 TeV	1.000×10^6	2.242	4.289	6.060	0.369	12.960	1.804×10^5
1.40 TeV	1.400×10^6	2.272	6.128	8.637	0.522	17.560	2.068×10^5
2.00 TeV	2.000×10^6	2.304	8.943	12.570	0.755	24.574	2.356×10^5
3.00 TeV	3.000×10^6	2.342	13.642	19.106	1.155	36.247	2.689×10^5
4.00 TeV	4.000×10^6	2.369	18.406	25.713	1.561	48.050	2.928×10^5
8.00 TeV	8.000×10^6	2.435	37.613	52.273	3.246	95.568	3.506×10^5
10.0 TeV	1.000×10^7	2.457	47.294	65.625	4.111	119.487	3.693×10^5
14.0 TeV	1.400×10^7	2.490	66.602	92.265	5.888	167.246	3.975×10^5
20.0 TeV	2.000×10^7	2.525	95.739	132.399	8.611	239.275	4.273×10^5
30.0 TeV	3.000×10^7	2.567	144.245	199.173	13.318	359.304	4.612×10^5
40.0 TeV	4.000×10^7	2.596	192.929	266.108	18.137	479.772	4.852×10^5
80.0 TeV	8.000×10^7	2.670	387.965	534.039	38.266	962.942	5.429×10^5
100. TeV	1.000×10^8	2.694	485.652	668.130	48.666	1205.143	5.614×10^5