Muons in lithium fluoride (LiF)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.46262	2.635	94.0	0.07593	3.7478	0.0171	2.7049	3.1667	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	6.444				6.444	8.595×10^{-1}
14.0 MeV	5.616×10^1	5.032				5.032	1.569×10^0
20.0 MeV	6.802×10^1	3.934				3.934	2.933×10^0
30.0 MeV	8.509×10^1	3.056				3.056	5.858×10^0
40.0 MeV	1.003×10^2	2.611				2.611	9.421×10^0
80.0 MeV	1.527×10^2	1.955				1.955	2.768×10^1
100. MeV	1.764×10^2	1.834				1.834	3.827×10^1
140. MeV	2.218×10^2	1.710				1.710	6.097×10^1
200. MeV	2.868×10^2	1.640				1.640	9.693×10^1
300. MeV	3.917×10^2	1.614			0.000	1.614	1.586×10^2
314. MeV	4.065×10^2	1.614			0.000	1.614	*Minimum ionization*
400. MeV	4.945×10^2	1.620			0.000	1.620	2.204×10^2
800. MeV	8.995×10^2	1.683	0.000		0.000	1.683	4.627×10^2
1.00 GeV	1.101×10^3	1.711	0.000		0.000	1.712	5.805×10^2
1.40 GeV	1.502×10^3	1.757	0.000		0.001	1.758	8.109×10^2
2.00 GeV	2.103×10^3	1.807	0.001	0.000	0.001	1.809	1.147×10^3
3.00 GeV	3.104×10^3	1.864	0.001	0.001	0.001	1.867	1.691×10^3
4.00 GeV	4.104×10^3	1.904	0.001	0.001	0.002	1.908	2.220×10^3
8.00 GeV	8.105×10^3	1.995	0.003	0.003	0.004	2.006	4.258×10^3
10.0 GeV	1.011×10^4	2.023	0.004	0.004	0.005	2.037	5.248×10^3
14.0 GeV	1.411×10^4	2.063	0.007	0.007	0.007	2.084	7.188×10^3
20.0 GeV	2.011×10^4	2.104	0.011	0.012	0.009	2.137	1.003×10^4
30.0 GeV	3.011×10^4	2.149	0.017	0.021	0.013	2.201	1.464×10^4
40.0 GeV	4.011×10^4	2.179	0.025	0.031	0.017	2.253	1.913×10^4
80.0 GeV	8.011×10^4	2.249	0.056	0.076	0.034	2.415	3.625×10^4
100. GeV	1.001×10^5	2.271	0.073	0.100	0.042	2.485	4.441×10^4
140. GeV	1.401×10^5	2.303	0.107	0.150	0.058	2.619	6.008×10^4
200. GeV	2.001×10^5	2.337	0.161	0.229	0.083	2.811	8.219×10^4
300. GeV	3.001×10^5	2.376	0.254	0.364	0.124	3.118	1.160×10^5
400. GeV	4.001×10^5	2.403	0.351	0.504	0.165	3.423	1.466×10^5
800. GeV	8.001×10^5	2.469	0.753	1.087	0.334	4.643	2.465×10^5
904. GeV	9.039×10^5	2.481	0.860	1.243	0.378	4.962	*Muon critical energy*
1.00 TeV	1.000×10^6	2.491	0.960	1.388	0.419	5.259	2.870×10^5
1.40 TeV	1.400×10^6	2.523	1.378	1.987	0.595	6.484	3.554×10^5
2.00 TeV	2.000×10^6	2.558	2.019	2.905	0.862	8.345	4.367×10^5
3.00 TeV	3.000×10^6	2.599	3.093	4.434	1.320	11.446	5.387×10^5
4.00 TeV	4.000×10^6	2.628	4.186	5.983	1.786	14.584	6.159×10^5
8.00 TeV	8.000×10^6	2.700	8.607	12.223	3.728	27.257	8.134×10^5
10.0 TeV	1.000×10^7	2.724	10.841	15.365	4.728	33.658	8.793×10^5
14.0 TeV	1.400×10^7	2.760	15.300	21.626	6.787	46.473	9.800×10^5
20.0 TeV	2.000×10^7	2.798	22.041	31.070	9.950	65.860	1.088×10^6
30.0 TeV	3.000×10^7	2.843	33.266	46.783	15.440	98.332	1.211×10^6
40.0 TeV	4.000×10^7	2.876	44.547	62.546	21.073	131.042	1.299×10^6
80.0 TeV	8.000×10^7	2.955	89.782	125.654	44.706	263.098	1.510×10^6
100. TeV	1.000×10^8	2.982	112.459	157.246	56.954	329.641	1.578×10^6