Muons in lithium hydride (LiH)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.50321	0.820	36.5	0.90567	2.5849	−0.0988	1.4515	2.3580	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	7.893				7.893	6.960×10^{-1}
14.0 MeV	5.616×10^1	6.137				6.137	1.277×10^0
20.0 MeV	6.802×10^1	4.778				4.778	2.398×10^0
30.0 MeV	8.509×10^1	3.695				3.695	4.811×10^0
40.0 MeV	1.003×10^2	3.148				3.148	7.763×10^0
80.0 MeV	1.527×10^2	2.337				2.337	2.299×10^1
100. MeV	1.764×10^2	2.187				2.187	3.186×10^1
140. MeV	2.218×10^2	2.032				2.032	5.092×10^1
200. MeV	2.868×10^2	1.940			0.000	1.940	8.126×10^1
300. MeV	3.917×10^2	1.899			0.000	1.899	1.335×10^2
348. MeV	4.413×10^2	1.897			0.000	1.897	*Minimum ionization*
400. MeV	4.945×10^2	1.899			0.000	1.899	1.862×10^2
800. MeV	8.995×10^2	1.953			0.000	1.954	3.940×10^2
1.00 GeV	1.101×10^3	1.980			0.000	1.980	4.957×10^2
1.40 GeV	1.502×10^3	2.023	0.000		0.001	2.023	6.954×10^2
2.00 GeV	2.103×10^3	2.070	0.000		0.001	2.071	9.883×10^2
3.00 GeV	3.104×10^3	2.125	0.000	0.000	0.002	2.127	1.464×10^3
4.00 GeV	4.104×10^3	2.164	0.001	0.000	0.002	2.167	1.930×10^3
8.00 GeV	8.105×10^3	2.257	0.001	0.001	0.004	2.264	3.731×10^3
10.0 GeV	1.011×10^4	2.286	0.002	0.002	0.005	2.295	4.609×10^3
14.0 GeV	1.411×10^4	2.329	0.003	0.003	0.007	2.342	6.333×10^3
20.0 GeV	2.011×10^4	2.373	0.005	0.005	0.010	2.393	8.866×10^3
30.0 GeV	3.011×10^4	2.421	0.008	0.009	0.014	2.452	1.299×10^4
40.0 GeV	4.011×10^4	2.454	0.011	0.014	0.018	2.497	1.703×10^4
80.0 GeV	8.011×10^4	2.530	0.025	0.034	0.036	2.625	3.262×10^4
100. GeV	1.001×10^5	2.554	0.033	0.045	0.044	2.676	4.017×10^4
140. GeV	1.401×10^5	2.589	0.049	0.068	0.061	2.768	5.486×10^4
200. GeV	2.001×10^5	2.626	0.074	0.105	0.087	2.892	7.606×10^4
300. GeV	3.001×10^5	2.668	0.118	0.168	0.130	3.084	1.095×10^5
400. GeV	4.001×10^5	2.697	0.164	0.235	0.173	3.269	1.410×10^5
800. GeV	8.001×10^5	2.769	0.356	0.513	0.349	3.988	2.516×10^5
1.00 TeV	1.000×10^6	2.793	0.456	0.658	0.439	4.346	2.996×10^5
1.40 TeV	1.400×10^6	2.828	0.658	0.948	0.623	5.057	3.849×10^5
1.76 TeV	1.763×10^6	2.853	0.845	1.216	0.792	5.706	*Muon critical energy*
2.00 TeV	2.000×10^6	2.867	0.969	1.394	0.903	6.133	4.924×10^5
3.00 TeV	3.000×10^6	2.911	1.494	2.138	1.384	7.927	6.355×10^5
4.00 TeV	4.000×10^6	2.942	2.029	2.896	1.874	9.742	7.491×10^5
8.00 TeV	8.000×10^6	3.021	4.207	5.953	3.919	17.099	1.055×10^6
10.0 TeV	1.000×10^7	3.046	5.312	7.496	4.973	20.827	1.161×10^6
14.0 TeV	1.400×10^7	3.085	7.519	10.567	7.147	28.318	1.325×10^6
20.0 TeV	2.000×10^7	3.128	10.866	15.205	10.490	39.689	1.503×10^6
30.0 TeV	3.000×10^7	3.176	16.442	22.914	16.304	58.836	1.709×10^6
40.0 TeV	4.000×10^7	3.212	22.058	30.652	22.276	78.198	1.856×10^6
80.0 TeV	8.000×10^7	3.298	44.596	61.639	47.395	156.928	2.210×10^6
100. TeV	1.000×10^8	3.327	55.905	77.155	60.435	196.823	2.324×10^6