Muons in lithium amide ($LiNH_2$)

$\langle Z/A \rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.52257	1.178	55.5	0.08740	3.7534	0.0198	2.5152	2.7961	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	7.790				7.790	7.075×10^{-1}
14.0 MeV	5.616×10^1	6.068				6.068	1.296×10^0
20.0 MeV	6.802×10^1	4.733				4.733	2.428×10^0
30.0 MeV	8.509×10^1	3.667				3.667	4.863×10^0
40.0 MeV	1.003×10^2	3.128				3.128	7.835×10^0
80.0 MeV	1.527×10^2	2.329				2.329	2.312×10^1
100. MeV	1.764×10^2	2.181				2.181	3.202×10^1
140. MeV	2.218×10^2	2.029				2.029	5.113×10^1
200. MeV	2.868×10^2	1.940				1.940	8.149×10^1
300. MeV	3.917×10^2	1.903			0.000	1.903	1.337×10^2
328. MeV	4.211×10^2	1.901			0.000	1.902	*Minimum ionization*
400. MeV	4.945×10^2	1.906			0.000	1.906	1.863×10^2
800. MeV	8.995×10^2	1.969	0.000		0.000	1.970	3.928×10^2
1.00 GeV	1.101×10^3	2.000	0.000		0.000	2.000	4.935×10^2
1.40 GeV	1.502×10^3	2.049	0.000		0.001	2.050	6.910×10^2
2.00 GeV	2.103×10^3	2.103	0.000	0.000	0.001	2.105	9.796×10^2
3.00 GeV	3.104×10^3	2.166	0.001	0.000	0.001	2.169	1.447×10^3
4.00 GeV	4.104×10^3	2.209	0.001	0.001	0.002	2.213	1.903×10^3
8.00 GeV	8.105×10^3	2.310	0.003	0.003	0.004	2.319	3.664×10^3
10.0 GeV	1.011×10^4	2.341	0.004	0.004	0.005	2.353	4.519×10^3
14.0 GeV	1.411×10^4	2.386	0.005	0.006	0.007	2.404	6.200×10^3
20.0 GeV	2.011×10^4	2.432	0.008	0.010	0.009	2.460	8.666×10^3
30.0 GeV	3.011×10^4	2.482	0.014	0.017	0.014	2.527	1.267×10^4
40.0 GeV	4.011×10^4	2.516	0.020	0.025	0.018	2.579	1.659×10^4
80.0 GeV	8.011×10^4	2.595	0.045	0.061	0.035	2.736	3.162×10^4
100. GeV	1.001×10^5	2.620	0.058	0.080	0.043	2.801	3.884×10^4
140. GeV	1.401×10^5	2.656	0.086	0.120	0.060	2.923	5.282×10^4
200. GeV	2.001×10^5	2.695	0.130	0.184	0.085	3.094	7.276×10^4
300. GeV	3.001×10^5	2.738	0.206	0.293	0.127	3.365	1.037×10^5
400. GeV	4.001×10^5	2.769	0.285	0.407	0.169	3.630	1.323×10^5
800. GeV	8.001×10^5	2.844	0.613	0.882	0.342	4.681	2.291×10^5
1.00 TeV	1.000×10^6	2.868	0.783	1.128	0.429	5.208	2.696×10^5
1.22 TeV	1.218×10^6	2.890	0.968	1.394	0.527	5.780	*Muon critical energy*
1.40 TeV	1.400×10^6	2.905	1.125	1.618	0.609	6.257	3.396×10^5
2.00 TeV	2.000×10^6	2.945	1.651	2.370	0.882	7.848	4.250×10^5
3.00 TeV	3.000×10^6	2.991	2.535	3.621	1.352	10.498	5.348×10^5
4.00 TeV	4.000×10^6	3.024	3.434	4.892	1.830	13.179	6.197×10^5
8.00 TeV	8.000×10^6	3.105	7.079	10.011	3.821	24.016	8.413×10^5
10.0 TeV	1.000×10^7	3.131	8.924	12.591	4.847	29.493	9.163×10^5
14.0 TeV	1.400×10^7	3.172	12.606	17.729	6.962	40.470	1.032×10^6
20.0 TeV	2.000×10^7	3.216	18.180	25.482	10.213	57.091	1.156×10^6
30.0 TeV	3.000×10^7	3.266	27.461	38.378	15.860	84.966	1.299×10^6
40.0 TeV	4.000×10^7	3.303	36.795	51.318	21.659	113.075	1.400×10^6
80.0 TeV	8.000×10^7	3.393	74.244	103.123	46.013	226.773	1.645×10^6
100. TeV	1.000×10^8	3.423	93.025	129.058	58.644	284.151	1.724×10^6