

## Muons in n-hexane C<sub>6</sub>H<sub>14</sub>

	$\langle Z/A \rangle$	$\rho$ [g/cm <sup>3</sup> ]	$I$ [eV]	$a$	$k = m_s$	$x_0$	$x_1$	$\bar{C}$	$\delta_0$
	0.59020	0.660	54.0	0.11085	3.5027	0.1984	2.5757	3.2156	0.00
$T$	$p$ [MeV/c]	Ionization	Brems	Pair prod	Photonucl	Total	CSDA range [g/cm <sup>2</sup> ]		
				[MeV cm <sup>2</sup> /g]					
10.0 MeV	$4.704 \times 10^1$	8.828				8.828		$6.242 \times 10^{-1}$	
14.0 MeV	$5.616 \times 10^1$	6.876				6.876		$1.143 \times 10^0$	
20.0 MeV	$6.802 \times 10^1$	5.362				5.362		$2.143 \times 10^0$	
30.0 MeV	$8.509 \times 10^1$	4.154				4.154		$4.291 \times 10^0$	
40.0 MeV	$1.003 \times 10^2$	3.543				3.543		$6.915 \times 10^0$	
80.0 MeV	$1.527 \times 10^2$	2.654				2.654		$2.038 \times 10^1$	
100. MeV	$1.764 \times 10^2$	2.491				2.491		$2.817 \times 10^1$	
140. MeV	$2.218 \times 10^2$	2.317				2.317		$4.491 \times 10^1$	
200. MeV	$2.868 \times 10^2$	2.216				2.216		$7.149 \times 10^1$	
300. MeV	$3.917 \times 10^2$	2.175			0.000	2.175		$1.172 \times 10^2$	
328. MeV	$4.211 \times 10^2$	2.174			0.000	2.174		<i>Minimum ionization</i>	
400. MeV	$4.945 \times 10^2$	2.179			0.000	2.179		$1.631 \times 10^2$	
800. MeV	$8.995 \times 10^2$	2.255	0.000		0.000	2.255		$3.436 \times 10^2$	
1.00 GeV	$1.101 \times 10^3$	2.290	0.000		0.000	2.291		$4.316 \times 10^2$	
1.40 GeV	$1.502 \times 10^3$	2.348	0.000		0.001	2.349		$6.039 \times 10^2$	
2.00 GeV	$2.103 \times 10^3$	2.412	0.000	0.000	0.001	2.413		$8.558 \times 10^2$	
3.00 GeV	$3.104 \times 10^3$	2.484	0.001	0.000	0.001	2.487		$1.264 \times 10^3$	
4.00 GeV	$4.104 \times 10^3$	2.535	0.001	0.001	0.002	2.539		$1.661 \times 10^3$	
8.00 GeV	$8.105 \times 10^3$	2.651	0.003	0.003	0.004	2.660		$3.196 \times 10^3$	
10.0 GeV	$1.011 \times 10^4$	2.686	0.004	0.004	0.005	2.699		$3.942 \times 10^3$	
14.0 GeV	$1.411 \times 10^4$	2.738	0.006	0.006	0.007	2.756		$5.408 \times 10^3$	
20.0 GeV	$2.011 \times 10^4$	2.790	0.009	0.010	0.009	2.818		$7.559 \times 10^3$	
30.0 GeV	$3.011 \times 10^4$	2.846	0.014	0.018	0.014	2.892		$1.106 \times 10^4$	
40.0 GeV	$4.011 \times 10^4$	2.885	0.020	0.026	0.018	2.950		$1.448 \times 10^4$	
80.0 GeV	$8.011 \times 10^4$	2.974	0.047	0.063	0.035	3.119		$2.765 \times 10^4$	
100. GeV	$1.001 \times 10^5$	3.002	0.061	0.083	0.043	3.189		$3.399 \times 10^4$	
140. GeV	$1.401 \times 10^5$	3.043	0.090	0.125	0.060	3.318		$4.628 \times 10^4$	
200. GeV	$2.001 \times 10^5$	3.087	0.135	0.191	0.085	3.499		$6.388 \times 10^4$	
300. GeV	$3.001 \times 10^5$	3.136	0.214	0.305	0.128	3.782		$9.136 \times 10^4$	
400. GeV	$4.001 \times 10^5$	3.170	0.296	0.423	0.170	4.060		$1.169 \times 10^5$	
800. GeV	$8.001 \times 10^5$	3.255	0.639	0.917	0.343	5.154		$2.041 \times 10^5$	
1.00 TeV	$1.000 \times 10^6$	3.282	0.816	1.173	0.431	5.703		$2.410 \times 10^5$	
1.34 TeV	$1.344 \times 10^6$	3.319	1.122	1.610	0.586	6.638		<i>Muon critical energy</i>	
1.40 TeV	$1.400 \times 10^6$	3.324	1.173	1.683	0.612	6.792		$3.052 \times 10^5$	
2.00 TeV	$2.000 \times 10^6$	3.369	1.723	2.465	0.886	8.443		$3.843 \times 10^5$	
3.00 TeV	$3.000 \times 10^6$	3.421	2.646	3.768	1.358	11.193		$4.868 \times 10^5$	
4.00 TeV	$4.000 \times 10^6$	3.458	3.586	5.091	1.838	13.973		$5.666 \times 10^5$	
8.00 TeV	$8.000 \times 10^6$	3.549	7.398	10.421	3.839	25.208		$7.768 \times 10^5$	
10.0 TeV	$1.000 \times 10^7$	3.580	9.329	13.106	4.871	30.885		$8.484 \times 10^5$	
14.0 TeV	$1.400 \times 10^7$	3.625	13.183	18.456	6.997	42.261		$9.586 \times 10^5$	
20.0 TeV	$2.000 \times 10^7$	3.675	19.017	26.527	10.266	59.486		$1.078 \times 10^6$	
30.0 TeV	$3.000 \times 10^7$	3.732	28.736	39.953	15.944	88.366		$1.215 \times 10^6$	
40.0 TeV	$4.000 \times 10^7$	3.773	38.512	53.425	21.774	117.486		$1.313 \times 10^6$	
80.0 TeV	$8.000 \times 10^7$	3.875	77.713	107.361	46.269	235.219		$1.549 \times 10^6$	
100. TeV	$1.000 \times 10^8$	3.909	97.367	134.363	58.976	294.615		$1.625 \times 10^6$	