

## Muons in mix D wax

	$\langle Z/A \rangle$	$\rho$ [g/cm <sup>3</sup> ]	$I$ [eV]	$a$	$k = m_s$	$x_0$	$x_1$	$\bar{C}$	$\delta_0$
	0.56479	0.990	60.9	0.07490	3.6823	0.1371	2.7145	3.0780	0.00
$T$	$p$ [MeV/c]	Ionization	Brems	Pair prod	Photonucl	Total	CSDA range [g/cm <sup>2</sup> ]		
10.0 MeV	$4.704 \times 10^1$	8.322				8.322	$6.628 \times 10^{-1}$		
14.0 MeV	$5.616 \times 10^1$	6.485				6.486	$1.213 \times 10^0$		
20.0 MeV	$6.802 \times 10^1$	5.060				5.060	$2.273 \times 10^0$		
30.0 MeV	$8.509 \times 10^1$	3.922				3.922	$4.549 \times 10^0$		
40.0 MeV	$1.003 \times 10^2$	3.347				3.347	$7.327 \times 10^0$		
80.0 MeV	$1.527 \times 10^2$	2.505				2.506	$2.158 \times 10^1$		
100. MeV	$1.764 \times 10^2$	2.346				2.346	$2.985 \times 10^1$		
140. MeV	$2.218 \times 10^2$	2.182				2.182	$4.761 \times 10^1$		
200. MeV	$2.868 \times 10^2$	2.087				2.087	$7.584 \times 10^1$		
300. MeV	$3.917 \times 10^2$	2.049			0.000	2.049	$1.243 \times 10^2$		
328. MeV	$4.201 \times 10^2$	2.048			0.000	2.048	<i>Minimum ionization</i>		
400. MeV	$4.945 \times 10^2$	2.053			0.000	2.053	$1.731 \times 10^2$		
800. MeV	$8.995 \times 10^2$	2.125	0.000		0.000	2.125	$3.647 \times 10^2$		
1.00 GeV	$1.101 \times 10^3$	2.158	0.000		0.000	2.159	$4.581 \times 10^2$		
1.40 GeV	$1.502 \times 10^3$	2.213	0.000		0.001	2.214	$6.409 \times 10^2$		
2.00 GeV	$2.103 \times 10^3$	2.274	0.000	0.000	0.001	2.276	$9.079 \times 10^2$		
3.00 GeV	$3.104 \times 10^3$	2.344	0.001	0.001	0.001	2.347	$1.340 \times 10^3$		
4.00 GeV	$4.104 \times 10^3$	2.392	0.001	0.001	0.002	2.396	$1.762 \times 10^3$		
8.00 GeV	$8.105 \times 10^3$	2.503	0.003	0.003	0.004	2.513	$3.387 \times 10^3$		
10.0 GeV	$1.011 \times 10^4$	2.537	0.004	0.004	0.005	2.550	$4.177 \times 10^3$		
14.0 GeV	$1.411 \times 10^4$	2.587	0.006	0.007	0.007	2.606	$5.727 \times 10^3$		
20.0 GeV	$2.011 \times 10^4$	2.637	0.010	0.011	0.009	2.667	$8.002 \times 10^3$		
30.0 GeV	$3.011 \times 10^4$	2.691	0.016	0.019	0.014	2.740	$1.170 \times 10^4$		
40.0 GeV	$4.011 \times 10^4$	2.728	0.022	0.028	0.018	2.797	$1.531 \times 10^4$		
80.0 GeV	$8.011 \times 10^4$	2.813	0.051	0.068	0.035	2.967	$2.917 \times 10^4$		
100. GeV	$1.001 \times 10^5$	2.840	0.066	0.090	0.043	3.039	$3.583 \times 10^4$		
140. GeV	$1.401 \times 10^5$	2.879	0.098	0.136	0.060	3.172	$4.871 \times 10^4$		
200. GeV	$2.001 \times 10^5$	2.921	0.147	0.208	0.085	3.360	$6.708 \times 10^4$		
300. GeV	$3.001 \times 10^5$	2.968	0.232	0.330	0.127	3.657	$9.559 \times 10^4$		
400. GeV	$4.001 \times 10^5$	3.001	0.321	0.459	0.169	3.950	$1.219 \times 10^5$		
800. GeV	$8.001 \times 10^5$	3.082	0.690	0.992	0.341	5.106	$2.107 \times 10^5$		
1.00 TeV	$1.000 \times 10^6$	3.108	0.881	1.269	0.429	5.687	$2.478 \times 10^5$		
1.20 TeV	$1.199 \times 10^6$	3.130	1.072	1.541	0.517	6.260	<i>Muon critical energy</i>		
1.40 TeV	$1.400 \times 10^6$	3.148	1.267	1.819	0.608	6.842	$3.118 \times 10^5$		
2.00 TeV	$2.000 \times 10^6$	3.191	1.859	2.663	0.881	8.594	$3.899 \times 10^5$		
3.00 TeV	$3.000 \times 10^6$	3.241	2.853	4.068	1.350	11.511	$4.902 \times 10^5$		
4.00 TeV	$4.000 \times 10^6$	3.276	3.865	5.493	1.827	14.461	$5.675 \times 10^5$		
8.00 TeV	$8.000 \times 10^6$	3.364	7.966	11.237	3.814	26.382	$7.693 \times 10^5$		
10.0 TeV	$1.000 \times 10^7$	3.393	10.042	14.131	4.839	32.404	$8.376 \times 10^5$		
14.0 TeV	$1.400 \times 10^7$	3.437	14.185	19.895	6.950	44.467	$9.426 \times 10^5$		
20.0 TeV	$2.000 \times 10^7$	3.484	20.456	28.592	10.195	62.727	$1.056 \times 10^6$		
30.0 TeV	$3.000 \times 10^7$	3.539	30.898	43.059	15.831	93.327	$1.186 \times 10^6$		
40.0 TeV	$4.000 \times 10^7$	3.578	41.400	57.574	21.617	124.169	$1.278 \times 10^6$		
80.0 TeV	$8.000 \times 10^7$	3.676	83.506	115.687	45.918	248.786	$1.501 \times 10^6$		
100. TeV	$1.000 \times 10^8$	3.708	104.615	144.778	58.521	311.622	$1.573 \times 10^6$		