Muons in heavymet as Rochester gamma stop

$\langle Z/A\rangle$	ρ [g/cm^3]	I [eV]	a	$k = m_s$	x_0	x_1	$\overline{C}$	δ_0
0.40915	19.300	727.0	0.15509	2.8447	0.2167	3.4960	5.4059	0.14

T	p [MeV/c]	Ionization	Brems	Pair prod [MeV cm^2/g]	Photonucl	Total	CSDA range [g/cm^2]
10.0 MeV	4.704×10^1	4.142				4.142	1.377×10^0
14.0 MeV	5.616×10^1	3.280				3.280	2.472×10^0
20.0 MeV	6.802×10^1	2.598				2.598	4.550×10^0
30.0 MeV	8.509×10^1	2.044				2.044	8.946×10^0
40.0 MeV	1.003×10^2	1.761				1.761	1.425×10^1
80.0 MeV	1.527×10^2	1.347				1.347	4.101×10^1
100. MeV	1.764×10^2	1.273				1.273	5.632×10^1
140. MeV	2.218×10^2	1.202				1.202	8.880×10^1
200. MeV	2.868×10^2	1.168				1.169	1.396×10^2
242. MeV	3.316×10^2	1.164	0.000			1.164	*Minimum ionization*
300. MeV	3.917×10^2	1.169	0.000		0.000	1.169	2.254×10^2
400. MeV	4.945×10^2	1.187	0.000		0.000	1.188	3.103×10^2
800. MeV	8.995×10^2	1.268	0.001		0.000	1.269	6.356×10^2
1.00 GeV	1.101×10^3	1.300	0.001		0.000	1.302	7.912×10^2
1.40 GeV	1.502×10^3	1.351	0.002		0.001	1.354	1.092×10^3
2.00 GeV	2.103×10^3	1.407	0.004	0.001	0.001	1.413	1.525×10^3
3.00 GeV	3.104×10^3	1.470	0.006	0.003	0.001	1.481	2.216×10^3
4.00 GeV	4.104×10^3	1.514	0.009	0.006	0.002	1.531	2.879×10^3
8.00 GeV	8.105×10^3	1.613	0.022	0.020	0.003	1.658	5.380×10^3
10.0 GeV	1.011×10^4	1.642	0.029	0.028	0.004	1.705	6.569×10^3
14.0 GeV	1.411×10^4	1.685	0.045	0.046	0.005	1.782	8.862×10^3
20.0 GeV	2.011×10^4	1.728	0.069	0.076	0.007	1.882	1.214×10^4
30.0 GeV	3.011×10^4	1.773	0.114	0.133	0.011	2.032	1.725×10^4
40.0 GeV	4.011×10^4	1.803	0.161	0.196	0.014	2.175	2.200×10^4
80.0 GeV	8.011×10^4	1.870	0.363	0.472	0.028	2.735	3.836×10^4
100. GeV	1.001×10^5	1.890	0.471	0.621	0.035	3.018	4.532×10^4
140. GeV	1.401×10^5	1.920	0.691	0.928	0.049	3.589	5.746×10^4
159. GeV	1.590×10^5	1.931	0.798	1.078	0.055	3.863	*Muon critical energy*
200. GeV	2.001×10^5	1.951	1.036	1.414	0.070	4.470	7.242×10^4
300. GeV	3.001×10^5	1.985	1.624	2.225	0.104	5.939	9.178×10^4
400. GeV	4.001×10^5	2.009	2.231	3.066	0.139	7.447	1.068×10^5
800. GeV	8.001×10^5	2.067	4.739	6.513	0.281	13.602	1.460×10^5
1.00 TeV	1.000×10^6	2.086	6.027	8.276	0.354	16.745	1.592×10^5
1.40 TeV	1.400×10^6	2.115	8.607	11.793	0.501	23.017	1.795×10^5
2.00 TeV	2.000×10^6	2.146	12.552	17.159	0.724	32.583	2.013×10^5
3.00 TeV	3.000×10^6	2.182	19.135	26.075	1.107	48.501	2.263×10^5
4.00 TeV	4.000×10^6	2.208	25.805	35.085	1.496	64.595	2.441×10^5
8.00 TeV	8.000×10^6	2.272	52.684	71.300	3.106	129.365	2.870×10^5
10.0 TeV	1.000×10^7	2.292	66.226	89.503	3.933	161.956	3.008×10^5
14.0 TeV	1.400×10^7	2.324	93.235	125.824	5.630	227.014	3.216×10^5
20.0 TeV	2.000×10^7	2.359	133.978	180.536	8.229	325.102	3.435×10^5
30.0 TeV	3.000×10^7	2.398	201.805	271.564	12.718	488.488	3.685×10^5
40.0 TeV	4.000×10^7	2.427	269.867	362.805	17.312	652.413	3.861×10^5
80.0 TeV	8.000×10^7	2.497	542.495	728.005	36.486	1309.486	4.285×10^5
100. TeV	1.000×10^8	2.521	679.027	910.765	46.386	1638.700	4.422×10^5