

## Muons in tungsten hexafluoride (WF<sub>6</sub>)

	$\langle Z/A \rangle$	$\rho$ [g/cm <sup>3</sup> ]	$I$ [eV]	$a$	$k = m_s$	$x_0$	$x_1$	$\bar{C}$	$\delta_0$
	0.42976	2.400	354.4	0.03658	3.5134	0.3020	4.2602	5.9881	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	$4.704 \times 10^1$	4.928				4.928		$1.143 \times 10^0$	
14.0 MeV	$5.616 \times 10^1$	3.880				3.880		$2.067 \times 10^0$	
20.0 MeV	$6.802 \times 10^1$	3.057				3.057		$3.828 \times 10^0$	
30.0 MeV	$8.509 \times 10^1$	2.393				2.393		$7.574 \times 10^0$	
40.0 MeV	$1.003 \times 10^2$	2.056				2.056		$1.211 \times 10^1$	
80.0 MeV	$1.527 \times 10^2$	1.565				1.565		$3.509 \times 10^1$	
100. MeV	$1.764 \times 10^2$	1.479				1.479		$4.827 \times 10^1$	
140. MeV	$2.218 \times 10^2$	1.396				1.396		$7.623 \times 10^1$	
200. MeV	$2.868 \times 10^2$	1.353				1.353		$1.200 \times 10^2$	
253. MeV	$3.431 \times 10^2$	1.346			0.000	1.346			<i>Minimum ionization</i>
300. MeV	$3.917 \times 10^2$	1.349	0.000		0.000	1.349		$1.942 \times 10^2$	
400. MeV	$4.945 \times 10^2$	1.367	0.000		0.000	1.367		$2.679 \times 10^2$	
800. MeV	$8.995 \times 10^2$	1.451	0.001		0.000	1.452		$5.516 \times 10^2$	
1.00 GeV	$1.101 \times 10^3$	1.485	0.001		0.000	1.486		$6.877 \times 10^2$	
1.40 GeV	$1.502 \times 10^3$	1.539	0.002		0.001	1.541		$9.517 \times 10^2$	
2.00 GeV	$2.103 \times 10^3$	1.598	0.003	0.001	0.001	1.602		$1.333 \times 10^3$	
3.00 GeV	$3.104 \times 10^3$	1.665	0.004	0.002	0.001	1.673		$1.943 \times 10^3$	
4.00 GeV	$4.104 \times 10^3$	1.711	0.006	0.004	0.002	1.724		$2.531 \times 10^3$	
8.00 GeV	$8.105 \times 10^3$	1.816	0.016	0.014	0.003	1.851		$4.762 \times 10^3$	
10.0 GeV	$1.011 \times 10^4$	1.848	0.021	0.020	0.004	1.894		$5.830 \times 10^3$	
14.0 GeV	$1.411 \times 10^4$	1.894	0.032	0.033	0.006	1.966		$7.901 \times 10^3$	
20.0 GeV	$2.011 \times 10^4$	1.940	0.050	0.055	0.008	2.053		$1.089 \times 10^4$	
30.0 GeV	$3.011 \times 10^4$	1.988	0.082	0.096	0.012	2.179		$1.561 \times 10^4$	
40.0 GeV	$4.011 \times 10^4$	2.021	0.116	0.141	0.015	2.294		$2.008 \times 10^4$	
80.0 GeV	$8.011 \times 10^4$	2.093	0.262	0.341	0.030	2.727		$3.604 \times 10^4$	
100. GeV	$1.001 \times 10^5$	2.115	0.340	0.449	0.037	2.942		$4.310 \times 10^4$	
140. GeV	$1.401 \times 10^5$	2.147	0.499	0.671	0.052	3.369		$5.580 \times 10^4$	
200. GeV	$2.001 \times 10^5$	2.180	0.748	1.023	0.074	4.025		$7.208 \times 10^4$	
234. GeV	$2.339 \times 10^5$	2.194	0.890	1.218	0.086	4.389			<i>Muon critical energy</i>
300. GeV	$3.001 \times 10^5$	2.217	1.173	1.611	0.111	5.112		$9.408 \times 10^4$	
400. GeV	$4.001 \times 10^5$	2.243	1.613	2.221	0.147	6.224		$1.118 \times 10^5$	
800. GeV	$8.001 \times 10^5$	2.305	3.427	4.724	0.298	10.755		$1.601 \times 10^5$	
1.00 TeV	$1.000 \times 10^6$	2.325	4.360	6.005	0.375	13.065		$1.770 \times 10^5$	
1.40 TeV	$1.400 \times 10^6$	2.355	6.228	8.560	0.531	17.675		$2.032 \times 10^5$	
2.00 TeV	$2.000 \times 10^6$	2.388	9.086	12.459	0.768	24.702		$2.318 \times 10^5$	
3.00 TeV	$3.000 \times 10^6$	2.425	13.858	18.940	1.175	36.399		$2.649 \times 10^5$	
4.00 TeV	$4.000 \times 10^6$	2.453	18.692	25.490	1.588	48.224		$2.887 \times 10^5$	
8.00 TeV	$8.000 \times 10^6$	2.519	38.184	51.823	3.304	95.831		$3.464 \times 10^5$	
10.0 TeV	$1.000 \times 10^7$	2.541	48.006	65.060	4.186	119.794		$3.651 \times 10^5$	
14.0 TeV	$1.400 \times 10^7$	2.575	67.596	91.471	5.997	167.640		$3.932 \times 10^5$	
20.0 TeV	$2.000 \times 10^7$	2.611	97.154	131.258	8.775	239.799		$4.229 \times 10^5$	
30.0 TeV	$3.000 \times 10^7$	2.652	146.362	197.456	13.581	360.052		$4.567 \times 10^5$	
40.0 TeV	$4.000 \times 10^7$	2.682	195.745	263.814	18.504	480.747		$4.807 \times 10^5$	
80.0 TeV	$8.000 \times 10^7$	2.756	393.572	529.421	39.088	964.838		$5.383 \times 10^5$	
100. TeV	$1.000 \times 10^8$	2.781	492.651	662.343	49.730	1207.507		$5.568 \times 10^5$	