TABLE A-3a - AIR $\bar{Z} = 7.78$

$\rho = 1.205$ kg/m^3 (at NTP)

3.006×10^{26} elect./kg

Photon energy	Interaction coefficients [cm^2/g]		Average energy transf.	abs.	Average stopping power
$h\nu$	$\left(\frac{\mu}{\rho}\right)$	$\left(\frac{\mu_{ab}}{\rho}\right)$	$\bar{E}_{tr}$	$\bar{E}_{ab}$	$\bar{\bar{S}}$ *
[keV]			[keV]		
1	3673.	3672.	1.00		
1.5	1227.	1226.	1.50		90.1
2	543.7	542.6	2.00		79.9
3	165.6	164.7	2.98		66.1
4	78.80	77.28	3.92		56.6
5	40.29	39.32	4.88		49.7
6	23.17	22.47	5.82		44.5
8	9.642	9.168	7.61		37.0
10	4.910	4.533	9.23		31.8
15	1.522	1.242	12.2		24.2
20	.7334	.4942	13.5		19.7
30	.3398	.1395	12.3		15.1
40	.2429	.0625	10.3		13.3
50	.2053	.0382	9.31		13.1
60	.1861	.0289	9.33		13.9
80	.1658	.0236	11.4		15.8
100	.1540	.0231	15.0		15.6
150	.1356	.0249	27.6		11.8
200	.1234	.0267	43.4		8.72
300	.1068	.0287	80.8		5.76
400	.0955	.0295	124.		4.46
500	.0871	.0297	171.		3.73
550	.0836	.0296	195.		3.48
662	.0771	.0293	252.		3.07
800	.0707	.0288	327.		2.74
[MeV]			[MeV]		
1	.0636	.0279	.440		2.47
1.25	.0569	.0267	.588	.586	2.25
1.5	.0518	.0255	.741	.739	2.12
2	.0445	.0235	1.06	1.05	1.98
3	.0358	.0206	1.74	1.72	1.86
4	.0308	.0187	2.46	2.43	1.82
5	.0275	.0174	3.22	3.17	1.81
6	.0251	.0164	4.00	3.92	1.81
8	.0221	.0152	5.64	5.48	1.81
10	.0205	.0145	7.37	7.10	1.82
15	.0180	.0135	11.9	11.2	1.86
20	.0171	.0132	16.6	15.5	1.89
30	.0163	.0129	26.3	23.7	1.94
40	.0161	.0127	36.2	31.7	1.98
50	.0161	.0127	46.1	39.3	2.01
60	.0162	.0126	56.1	46.6	2.04
80	.0164	.0124	76.0	60.3	2.08
100	.0168	.0123	96.1	72.9	2.12

TABLE A-3b - WATER $\bar{Z} = 7.51$

$\rho = 1000$ kg/m^3

3.343×10^{26} elect./kg

Photon energy	Interaction coefficients [cm^2/g]		Average energy transf.	abs.	Average stopping power
$h\nu$	$\left(\frac{\mu}{\rho}\right)$	$\left(\frac{\mu_{ab}}{\rho}\right)$	$\bar{E}_{tr}$	$\bar{E}_{ab}$	$\bar{\bar{S}}$ *
[keV]			[keV]		
1	4083.	4082.	1.00		
1.5	1395.	1394.	1.50		105.
2	627.4	626.1	2.00		92.9
3	194.7	193.8	2.99		76.7
4	82.74	81.92	3.96		65.5
5	42.13	41.46	4.92		57.4
6	24.13	23.55	5.86		51.3
8	9.982	9.532	7.64		42.5
10	5.066	4.684	9.25		36.5
15	1.568	1.269	12.1		27.8
20	.7613	.5016	13.2		22.6
30	.3612	.1411	11.7		17.3
40	.2629	.0637	9.70		15.4
50	.2245	.0396	8.82		15.3
60	.2046	.0305	8.96		16.4
80	.1833	.0255	11.2		18.7
100	.1706	.0253	14.8		18.3
150	.1505	.0276	27.5		13.5
200	.1370	.0297	43.3		9.93
300	.1187	.0320	80.8		6.54
400	.1061	.0328	124.		5.06
500	.0969	.0330	171.		4.22
550	.0930	.0329	195.		3.94
662	.0857	.0326	252.		3.47
800	.0787	.0321	327.		3.10
[MeV]			[MeV]		
1	.0707	.0310	.440		2.79
1.25	.0632	.0297	.588	.586	2.54
1.5	.0575	.0283	.741	.739	2.39
2	.0494	.0261	1.06	1.06	2.22
3	.0397	.0228	1.74	1.73	2.07
4	.0340	.0207	2.46	2.43	2.01
5	.0303	.0192	3.21	3.16	1.98
6	.0276	.0180	3.99	3.91	1.97
8	.0242	.0165	5.62	5.47	1.96
10	.0222	.0157	7.33	7.07	1.95
15	.0193	.0144	11.8	11.2	1.96
20	.0182	.0139	16.5	15.3	1.97
30	.0171	.0134	26.1	23.5	1.99
40	.0167	.0131	36.0	31.3	2.01
50	.0167	.0130	45.9	38.8	2.02
60	.0167	.0128	55.8	45.9	2.03
80	.0169	.0125	75.8	59.2	2.05
100	.0172	.0123	95.8	71.3	2.06

*Av. Stopping Power in [MeV cm^{2}g^{-1}] for the spectrum of electrons produced in the medium by photons of energy $h\nu$