

Beam Energy, LET and Range in Si at Various Air Gaps From Rear Foil for 15 MeV/u Beams

		Air Gap Distance from Rear Foil (cm)																									
		0.0		0.5		1.0		1.5		2.0		2.5		3.0		3.5		4.0		4.5		5.0		5.5		6.0	
Beam	Ne	299		287		285		283		281		279		278		276		274		272		270		268		266	
		2.6	314	2.6	294	2.6	291	2.7	288	2.7	285	2.7	282	2.7	279	2.7	276	2.7	273	2.7	270	2.8	267	2.8	264	2.8	262
	Ar	596		559		554		548		543		537		531		525		519		514		508		502		496	
		7.7	227	8.1	207	8.1	204	8.2	201	8.2	198	8.3	195	8.3	192	8.4	189	8.4	186	8.5	183	8.6	180	8.6	177	8.7	174
	Cu	936		851		838		825		812		798		785		771		757		743		729		715		701	
		17.9	170	18.8	150	19.0	147	19.1	144	19.3	141	19.4	138	19.6	135	19.8	132	19.9	129	20.1	126	20.3	123	20.5	120	20.7	117
	Kr	1248		1126		1108		1089		1070		1051		1032		1012		993		973		953		933		912	
		25.5	169	26.8	149	27.0	146	27.2	143	27.4	140	27.6	137	27.8	134	28.1	131	28.3	128	28.5	125	28.8	122	29.1	119	29.3	116
	Ag	1617		1433		1405		1376		1348		1319		1289		1260		1230		1200		1170		1139		1109	
		38.7	154	40.6	134	40.9	131	41.2	128	41.5	125	41.8	122	42.2	119	42.5	116	42.8	113	43.2	110	43.6	107	43.9	104	44.3	101
	Xe	1913		1688		1653		1618		1583		1547		1512		1476		1439		1403		1366		1329		1291	
		47.5	155	49.7	135	50.0	132	50.4	129	50.8	126	51.1	123	51.5	120	51.9	117	52.3	114	52.7	111	53.1	108	53.5	105	53.9	102
	Pr	2090		1834		1795		1755		1716		1675		1635		1594		1553		1512		1470		1428		1385	
		54.0	153	56.4	132	56.7	130	57.1	127	57.5	124	57.9	121	58.3	118	58.7	115	59.2	112	59.6	108	60.0	105	60.4	102	60.5	99
Ho	2447		2142		2095		2048		2001		1953		1905		1857		1808		1759		1710		1660		1610		
	64.5	155	67.2	135	67.5	132	67.9	129	68.3	126	68.7	123	69.1	120	69.6	117	70.0	114	70.4	111	70.8	107	71.3	104	71.3	101	
Ta	2684		2341		2289		2236		2183		2130		2076		2022		1967		1913		1858		1802		1745		
	72.5	154	75.2	134	75.6	131	76.0	128	76.4	125	76.9	122	77.7	116	78.2	113	78.2	113	78.6	110	79	107	79	104	79.4	101	
Au	2920		2540		2482		2424		2365		2306		2247		2187		2127		2067		2006		1945		1883		
	80.5	153	83.3	133	83.7	130	84.1	127	84.6	124	85	121	85.4	118	85.8	115	86.3	112	86.7	109	87.1	106	87	103	87.4	100	

BLACK = Beam Energy (MeV)

RED = LET in Si (MeV/(mg/cm²))

Blue = Range in Si and is given in microns