

### Beam Energy, LET in Si and Range in Si at Various Air Gaps From Rear Foil for 24.8 and 40.0 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	
24.8 MeV/u	Ne	545	537	535	534	533	532	531	529	528	527	526	524	523	
		1.7   797	1.8   777	1.8   774	1.8   771	1.8   768	1.8   765	1.8   762	1.8   759	1.8   756	1.8   753	1.8   750	1.8   747	1.8   744	
	Ar	989	964	960	956	952	948	944	940	937	933	929	925	921	
		5.5   492	5.6   472	5.6   469	5.6   466	5.6   463	5.6   460	5.6   457	5.7   454	5.7   451	5.7   448	5.7   445	5.7   442	5.7   439	
	Kr	2073	1983	1969	1956	1942	1925	1914	1900	1886	1872	1858	1844	1830	
		19.3   331	19.9   311	19.9   308	20.0   305	20.1   302	20.2   299	20.3   296	20.4   293	20.4   290	20.5   287	20.6   284	20.7   281	20.8   278	
	Xe	3181	3004	2977	2950	2923	2896	2869	2841	2814	2786	2758	2730	2702	
		38.0   284	39.1   264	39.2   261	39.4   258	39.6   255	39.8   253	39.9   250	40.1   247	40.3   244	40.5   241	40.7   238	40.9   235	41.1   232	
	40 MeV/u	Ne	799	794	793	792	791	790	790	789	788	787	786	786	785
1.2   1653			1.2   1634	1.2   1631	1.2   1628	1.2   1625	1.2   1622	1.2   1619	1.2   1616	1.2   1613	1.2   1610	1.2   1608	1.2   1605	1.2   1602	
Ar		1597	1579	1577	1574	1572	1569	1566	1564	1561	1558	1556	1553	1550	
		3.8   1077	3.8   1057	3.9   1054	3.9   1051	3.9   1048	3.9   1045	3.9   1043	3.9   1040	3.9   1037	3.9   1034	3.9   1031	3.9   1028	3.9   1025	
Kr		3114	3049	3039	3029	3019	3009	2999	2989	2979	2969	2959	2949	2939	
		14.3   620	14.5   600	14.5   597	14.5   594	14.5   591	14.6   588	14.6   585	14.7   583	14.7   580	14.7   577	14.7   574	14.7   571	14.8   568	

BLACK = Beam Energy (MeV)

RED = LET in Si (MeV/(mg/cm<sup>2</sup>))

Blue = Range in Si (microns)