

Stopping for Ion : **He** , Target = **Kr**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1925	Gurney, R. W. 'The Stopping-Power of Gases for Alpha-Particles of Different Velocities' <i>Proc. Roy. Soc., A107, 340-349 (1925)</i>	1925-Gurn 0061
	<i>Comment : S. 5.3, 6.1 MeV He -> H2, He, O2, Ne, Ar, Kr, Xe Rel. To Air</i>	
1934	Naidu, R. 'Sur Les Courbes D'Ionisation Des Rayons Alpha Du Polonium Dans Les Gaz Rares' <i>J. Phys. Radium, 5, 575-77 (1934)</i>	1934-Naid 0093
	<i>Comment : S. 3-7 MeV He -> He, Ne, Ar, Kr, Xe. All Rel. To Air</i>	
1966	Kerr, G. D. Hain, L. M. Underwood, N. Walthers, A. W. 'Molecular Stopping Cross Sections of Air, N2, Kr, CO2 and CH4 for Alpha Particles' <i>Health Phys., 12, 1475-80 (1966)</i>	1966-Kerr 0793
	<i>Comment : S. 0.3-5 MeV He -> N2, Air, Kr, CO2, CH4</i>	
1968	Hvelplund, P. 'Prisopgave' <i>Aarhus University P. 1-105 (In Danish) (1968)</i>	1968-Hvel 0406
	<i>Comment : S, dS. Many Ions (H-Hg) at 50-500 keV -> H, He, Ne, Ar, Kr, Xe, Air</i>	
1969	Ramirez, J. J. Prior, R. M. Swint, J. B. Quinton, A. R. Blue, R. A. 'Energy Straggling of Alpha Particles through Gases' <i>Phys. Rev., 179, 310-14 (1969)</i>	1969-Rami 0388
	<i>Comment : S, dS. 1-3.5 MeV He -> He, Air, Ar, Kr, Xe</i>	
1971	Chu, W. K. Powers, D. 'Energy Loss of Alpha Particles in Noble Gases from 0.3 - 2.0 MeV' <i>Phys. Rev. B, 4, 10-15 (1971)</i>	1971-Chu 0675
	<i>Comment : S. 0.3-2.0 MeV He -> He, Ne, Ar, Kr, Xe</i>	
1971	Dolle, F. Schultz, J. Chevallier, P. Sutter, G. 'Etude De Ralentissement Des Particules Alpha De 6.620 MeV Dans Des Absorbants Gazeux (Ne, Ar, Kr) Dans Les Domaine Des Faibles Pertes D'Energie.' <i>J. Physique, 32, 397-403 (1971)</i>	1971-Doll 0680
	<i>Comment : S, dS. 6.62 MeV He -> Ne, Kr, Ar</i>	
1977	Besenbacher, F. 'Stopping Power and Straggling for H and He Ions in Gas Targets' <i>Specialeopgave. Aarhus University (1977)</i>	1977-Bese 0954
	<i>Comment : S. dS. 20-500 keV H, He -> H, He N, O, Ne, Ar, Kr, Xe, CO2</i>	
1978	Hanke, C. C. Laursen, J. 'Stopping Cross Sections for Alpha Particles from 1.0 to 8.5 MeV in H2, He, N2, O2, Ne, Kr, and Xe.' <i>Nucl. Inst. Methods, 151, 253-260 (1978)</i>	1978-Hank 1082
	<i>Comment : S. 1.0 - 8.5 MeV He -> H, He, N, O, Ne, Kr, Xe.</i>	

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1979	Besenbacher, F. Andersen, H. H. Hvelplund, P. Knudsen, H. 'Stopping Power of Swift Hydrogen and Helium Ions in Gases' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd. 40, 1-39 (1979)</i> <i>Comment : S. 40 keV-1 MeV H And 100 keV-2.4 MeV He -> H2, He, N2, O2, CO2, Ne, Ar, Kr, Xe</i>	1979-Bese 1160
1979	Dennis, J. A. Powers, D. 'The Dependence of Stopping Power on Physical and Chemical States' <i>Preprint (1979) 8</i> <i>Comment : S. H, He -> Gases (Review Of Current Data)</i>	1979-Denn 1193
1981	Fukuda, A. 'Stopping Powers in Rare Gases for 40-200 keV Rare-Gas Ions' <i>J. Phys. B, Atom. and Molec. Phys.,14, 4533-4544 (1981)</i> <i>Comment : S. He, Ne, Ar, Kr (40-200 keV) -> He, Ne, Ar, Kr, Xe (Note: stopping for ions of zero deflection)</i>	1981-Fuku 1411
1983	Baumgart, H. Berg, H. Huttel, E. Pfaff, E. Reiter, G. 'He4 Stopping Cross Sections in H2, He, N2, O2, Ne, Ar, Kr, Xe, CH4 and CO2' <i>Nucl. Inst. Methods, 215, 319-328 (1983)</i> <i>Comment : S. He (0.1-1.2 MeV) -> H2, He, N2, O2, Ne, Ar, Kr, Xe, CH4 and CO2</i>	1983-Baum3 1450
1990	Reiter, G. Kniest, N. Pfaff, E. Clausnitzer, G. 'Proton and Helium Stopping Cross Sections in H, He, N, O, Ne, Ar, Kr, Xe, CH4' <i>Nucl. Inst. Methods, B44, 399-411 (1990)</i> <i>Comment : S. H, He (0.7-3.0 MeV) -> H, He, N, O, Ne, Ar, Kr, Xe, CH4</i>	1990-Reit 1933
1993	Novkovic, D. Subotic, K. Milosevic, Z. Manic, S. Stojanovic, M. 'Alpha Particle Energy Straggling Measurements in Nobel Gases' <i>J. Moscow Phys. Soc. (UK), 3, 215-220 (1993)</i> <i>Comment : dS. He(8.8 MeV) -> He, Ne, Ar, Kr, Xe</i>	1993-Novk 2077
2002	Geissel, H. Weick, H. Scheidenberger, C. Bimbot, R. Gardes, D. 'Experimental Studies of Heavy-Ion Slowing Down in Matter' <i>Nucl. Inst. Methods, B195, 3-54 (2002)</i> <i>Comment : S. Summary of 18 Heavy Ion Stopping in 26 Targets</i>	2002-Geis 3141