Stopping for Ion : He , Target = O

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'** ***Proc. Roy. Soc., A107, 340-349 (1925)*** *Comment : S. 5.3, 6.1 MeV He -> H2, He, O2, Ne, Ar, Kr, Xe Rel. To Air*	**1925-Gurn** 0061
1927	Gibson, G. E. Eyring, H. **'The Ionization and Stopping Power of Various Gases for Alpha Particles from Polonium'** ***Phys. Rev., 30, 553-561 (1927)*** *Comment : S. He (2-7 MeV) -> H, He, N, O, Ne, Ar, CH2. Early stopping paper- values based on differential of range/ionization measurements.*	**1927-Gibs** 1577
1944	Gray, L. H. **'The Ionization Method of Measuring Neutron Energy'** ***Proc. Comb. Phil. Soc., 40, 72-102 (1944)*** *Comment : S. H, He (.25 -8 MeV) -> He, N, O, Ne, Ar, Air. Early paper on stopping and ionization effects of charged particles.*	**1944-Gray** 1578
1949	Hatfield, T. N. Lockenwitz, A. E. Colby, M. Y. **'The Relative Stopping Power of Gases for Alpha Particles from Polonium'** ***J. Franklin Inst., 247, 133-36 (1949)*** *Comment : S. 5.3 MeV He -> H2, N2, O2, N2O, CO2, H2S, Hydrocarbons*	**1949-Hatf** 0065
1960	Roll, P. G. Steigert, F. E. **'Energy Loss of Heavy Ions in Nickel, Oxygen and Nuclear Emulsion'** ***Nucl. Phys., 17, 54-66 (1960)*** *Comment : S. He, B, C, N, O, F, Ne (2-10 MeV/amu) -> O, Ni, Emulsion*	**1960-Roll** 0220
1966	Rotondi, E. **'Bragg's Additivity Law of Stopping Power for 5 MeV Alpha Particles in O2, N2, CO2, Co, NH3 and Hydrocarbon Gases'** ***NRC Canada Report No. NRC-9076 P. 1-6 (1966)*** *Comment : S. 5 MeV He -> N2, O2, CO, CO2, NH3, Hydrocarbons*	**1966-Roto** 0438
1968	Rotondi, E. **'Energy Loss of Alpha Particles in Tissue'** ***Rad. Res., 33, 1-9 (1968)*** *Comment : S. 0.L-5.3 MeV He -> N2, O2, CH4, CO2*	**1968-Roto** 0437
1971	Bourland, P. D. Chu, W. K. Powers, D. **'Stopping Cross Section of Gases for Alpha Particles from 0.3 - 2.0 MeV'** ***Phys. Rev. B, 3, 3625-35 (1971)*** *Comment : S. 0.3-2.0 MeV He -> H2, O2, N2, NH3, N2O, CO, CO2, Hydrocarbons*	**1971-Bour** 0439

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1971	Bourland, P. D. Powers, D. **'Bragg-Rule Applicability to Stopping Cross Sections of Gases for Alpha Particles of Energy 0.3 - 2.0 MeV'** ***Phys. Rev. B, 3, 3635-41 (1971)*** *Comment : S. 0.3-2.0 MeV He -> H2, O2, N2, NH3, N2O, CO, CO2, Hydrocarbons*	**1971-Bour2** 0440
1971	Hvelplund, P. **'Energy Loss and Straggling of 100-500 keV Atoms with 2 ó Z1 ó 12 in Various Gases'** ***Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 38, No. 4, P. 1-25 (1971)*** *Comment : S,dS. (100-500 keV) He, Li, Be, B, C, N, O, F, Ne, Na, Mg -> Air, He, Ne, H2, O2*	**1971-Hvel** 0421
1975	Langley, R. A. **'Stopping Cross Sections for Helium and Hydrogen in H2, N2, O2 and H2S (0.3 - 2.5 MeV)'** ***Phys. Rev. B, 12, 3575-83 (1975)*** *Comment : S. 0.3-2.5 MeV H, He -> H2, N2, O2, H2S*	**1975-Lang** 0785
1977	Besenbacher, F. **'Stopping Power and Straggling for H and He Ions in Gas Targets'** ***Specialeopgave. Aarhus University (1977)*** *Comment : S. dS. 20-500 keV H, He -> H, He N, O, Ne, Ar, Kr, Xe, CO2*	**1977-Bese** 0954
1978	Chu, W. K. Braun, M. Davies, J. A. Matsunami, N. Thompson, D. A. **'Energy Loss of He Ions in Solidified Gases'** ***Nucl. Inst. Methods, 149, 115-120 (1978)*** *Comment : S. 0.5-2.0 MeV He -> Solid Ar, O, CO2*	**1978-Chu** 0963
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.'** ***Nucl. Inst. Methods, 151, 253-260 (1978)*** *Comment : S. 1.0 - 8.5 MeV He -> H, He, N, O, Ne, Kr, Xe.*	**1978-Hank** 1082
1979	Besenbacher, F. Andersen, H. H. Hvelplund, P. Knudsen, H. **'Stopping Power of Swift Hydrogen and Helium Ions in Gases'** ***Kgl. Danske Videnskab. Selskab Mat. Fys. Medd. 40, 1-39 (1979)*** *Comment : S. 40 keV-1 MeV H And 100 keV-2.4 MeV He -> H2, He, N2, O2, CO2, Ne, Ar, Kr, Xe*	**1979-Bese** 1160
1979	Dennis, J. A. Powers, D. **'The Dependence of Stopping Power on Physical and Chemical States'** ***Preprint (1979) 8*** *Comment : S. H, He -> Gases (Review Of Current Data)*	**1979-Denn** 1193
1982	Fukuda, A. **'Stopping Powers of H2, O2, C2H4 for 40-200 keV He and N Ions'** ***Phys. Med. Biol., 27 (1), 73-39 (1982)*** *Comment : S. He, N (40-200 keV) -> H, O, C2H4 (gases)*	**1982-Fuku** 1557

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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'** ***Nucl. Inst. Methods, 215, 319-328 (1983)*** *Comment : S. He (0.1-1.2 MeV) -> H2, He, N2, O2, Ne, Ar, Kr, Xe, CH4 and CO2*	**1983-Baum3** 1450
1987	Reiter, G. Baumgart, H. Kniest, N. Pfaff, E. Clausnitzer, G. **'Proton and Helium Stopping Cross-Sections in N2, O2, NO and N2O'** ***Nucl. Inst. Methods, B27, 287-292 (1987)*** *Comment : S. H, He (50-3000 keV) -> N, O, N2O, NO*	**1987-Reit** 1439
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'** ***Nucl. Inst. Methods, B44, 399-411 (1990)*** *Comment : S. H, He (0.7-3.0 MeV) -> H, He, N, O, Ne, Ar, Kr, Xe, CH4*	**1990-Reit** 1933
2002	Geissel, H. Weick, H. Scheidenberger, C. Bimbot, R. Gardes, D. **'Experimental Studies of Heavy-Ion Slowing Down in Matter'** ***Nucl. Inst. Methods, B195, 3-54 (2002)*** *Comment : S. Summary of 18 Heavy Ion Stopping in 26 Targets*	**2002-Geis** 3141