

Stopping for Ion : **H** , Target = **N**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Num
1944	Gray, L. H. 'The Ionization Method of Measuring Neutron Energy' <i>Proc. Comb. Phil. Soc., 40, 72-102 (1944)</i> <i>Comment : S. H, He (.25 -8 MeV) -> He, N, O, Ne, Ar, Air. Early paper on stopping and ionization effects of charged particles.</i>	1944-Gray 1578
1952	Thompson, H. J. 'Effect of Chemical Structure on Stopping Powers for High-Energy Protons' <i>UCRL Rpt. 1910 (1952)</i> <i>Comment : S. Rel. To Cu. 270 MeV H -> H2, C, N2, O2, Cl2</i>	1952-Thom 0147
1953	Reynolds, H. K. Dunbar, D. N. F. Wenzel, W. A. Whaling, W. 'The Stopping Cross Section of Gases for Protons, 30-600 keV' <i>Phys. Rev., 92, 742-48 (1953)</i> <i>Comment : S. 30-600 keV H -> H2, He, O2, Air, N2, Ne, Ar, Kr, Xe, Hydrocarbons.</i>	1953-Reyn 0103
1963	Wolke, R. L. Bishop, W. N. Eichler, E. Johnson, N. R. O'Kelley, G. D. 'Ranges and Stopping Cross Sections of Low-Energy Tritons' <i>Phys. Rev., 129, 2591-96 (1963)</i> <i>Comment : R, S. 0.2-2.73 MeV T -> N2, Al, Ar, Ni, Kr, Xe.</i>	1963-Wolk 0142
1965	Boring, J. W. Strohl, G. E. Woods, F. R. 'Total Ionization in Nitrogen by Heavy Ions of Energies 25 to 50 keV' <i>Phys. Rev. A, 140, 1065-69 (1965).</i> <i>Comment : S. 25-50 keV H, He, C, N, O, Ar -> N2</i>	1965-Bori 0229
1966	Mason, D. L. Prior, R. M. Quinton, A. R. 'The Energy Stragglng of 1 MeV Protons in Gases' <i>Nucl. Inst. Methods, 45, 41-44 (1966)</i> <i>Comment : dS. 1 MeV H -> H, He, N, O, Ar, Xe</i>	1966-Maso 0282
1968	Ormrod, J. H. 'Low-Energy Electronic Stopping Cross Sections in Nitrogen and Argon' <i>Can. J. Phys., 46, 497-502 (1968)</i> <i>Comment : S. (5-200 keV) H, D, He, B, C, N, O, F, Ne -> N, Ar</i>	1968-Ormr 0342
1970	Swint, J. B. Prior, R. M. Ramirez, J. J. 'Energy Loss of Protons in Gases' <i>Nucl. Inst. Methods, 80, 134-40 (1970)</i> <i>Comment : S. 0.4-3.4 MeV H -> N2, Air, O2, Ne, Ar, Kr, CH4, CO2</i>	1970-Swin 0403
1975	Dose, V. Sele, G. 'Die Elektronische Bremsvermogen von Stickstoff und Sauerstoff Fur Niederenergetische Protonen' <i>Z. Physik A, 272, 237-43 (1975)</i> <i>Comment : S. 7-30 keV H -> O2, N2</i>	1975-Dose 0517

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1975	Langley, R. A. 'Stopping Cross Sections for Helium and Hydrogen in H ₂ , N ₂ , O ₂ and H ₂ S (0.3 - 2.5 MeV)' <i>Phys. Rev. B, 12, 3575-83 (1975)</i> <i>Comment : S. 0.3-2.5 MeV H, He -> H₂, N₂, O₂, H₂S</i>	1975-Lang 0785
1977	Besenbacher, F. 'Stopping Power and Straggling for H and He Ions in Gas Targets' <i>Specialeopgave. Aarhus University (1977)</i> <i>Comment : S. dS. 20-500 keV H, He -> H, He N, O, Ne, Ar, Kr, Xe, CO₂</i>	1977-Bese 0954
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
1980	Nguyen, V. D. Chemtob, M. Chary, J. Posny, F. Parmentier, N. 'Recent Experimental Results on W-Values (Average Energy Loss per Ion Pair) for Heavy Particles' <i>Phys. Med. Biol., 25 (3), 509-518 (1980)</i> <i>Comment : S. H, He, C, N, O, Ar (25-375 keV) -> CH₄, CO₂, N₂ (ionization chamber)</i>	1980-Nguy 1487
1982	Borgesen, P. Chen, H. M. Sorensen, H. 'Stopping of 1-2 keV/amu Hydrogen Ions in Solid Nitrogen' <i>Nucl. Inst. Methods, 194, 71-74 (1982)</i> <i>Comment : S. H, D, T, (1-2 keV/amu) -> N</i>	1982-Borg 2003
1983	Baumgart, H. Arnold, W. Berg, H. Huttel, E. Clausnitzer, G. 'Proton Stopping Powers in Various Gases' <i>Nucl. Inst. Methods, 204, 597 (1983)</i> <i>Comment : H (60-800 keV) -> H, He, N, O, Ne, Ar, Kr, Xe</i>	1983-Baum 1614
1985	Borgesen, P. 'Measurements of the Stopping Power for keV Light Ions in Condensed Molecular Gases' <i>Nucl. Inst. Methods, B12, 73-79 (1985)</i> <i>Comment : S. H, D (1-10 keV) -> H, D, N, O, CO (solids and gases)</i>	1985-Borg 1500
1987	Reiter, G. Baumgart, H. Kniest, N. Pfaff, E. Clausnitzer, G. 'Proton and Helium Stopping Cross-Sections in N ₂ , O ₂ , NO and N ₂ O' <i>Nucl. Inst. Methods, B27, 287-292 (1987)</i> <i>Comment : S. H, He (50-3000 keV) -> N, O, N₂O, NO</i>	1987-Reit 1439

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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
	Cabrera-Trujillo, R. Ohrn, Y. Deumens, E. Sabin, J. R. 'Stopping Cross Section in the Low to Intermediate Energy Range: Study of Proton and Hydrogen Atom Collisions with Atomic N, O, and F' <i>Phys. Rev. A, 62, 052714-1 (2000)</i> <i>Comment : S. H, D (0 - 25 eV) -> N, O, F</i>	2000-Cabr 2346