Stopping for Ion : H , Target = Ne

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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
1953	Phillips, J. A. **'The Energy Loss of Low Energy Protons in Some Gases'** ***Phys. Rev., 90, 532-37 (1953)*** *Comment : S. 10-80 keV H -> H2, He, N2, O2, Ar, Kr, H2O, CO2, CCl4*	**1953-Phil** 0099
1953	Reynolds, H. K. Dunbar, D. N. F. Wenzel, W. A. Whaling, W. **'The Stopping Cross Section of Gases for Protons, 30-600 keV'** ***Phys. Rev., 92, 742-48 (1953)*** *Comment : S. 30-600 keV H -> H2, He, O2, Air, N2, Ne, Ar, Kr, Xe, Hydrocarbons.*	**1953-Reyn** 0103
1954	Chilton, A. B. Cooper, J. N. Harris, J. C. **'The Stopping Power of Various Elements for Protons of Energies from 400 to 1050 keV'** ***Phys. Rev., 93, 413-18 (1954)*** *Comment : S. 400-1050 keV H -> N2, Ne, Ar, Kr, Xe, Ni, Cu*	**1954-Chil** 0032
1955	Brolley, J. E. Ribe, F. L. **'Energy Loss by 8.86 MeV Deuterons and 4.43 MeV Protons.'** ***Phys. Rev., 98, 1112-14 (1955)*** *Comment : S. 4.43 MeV H -> H2, Air, Kr. 8.86 MeV D -> H2, He, N2, O2, Ne, Ar, Kr, Xe*	**1955-Brol** 0026
1965	Schuler, R. H. **'Radiolysis of Benzene by Heavy Ions'** ***Trans. Faraday Soc., 61, 100-109 (1965)*** *Comment : S. 100 keV H, 500 keV He -> Benzene*	**1965-Schu** 1161
1968	Hvelplund, P. **'Prisopgave'** ***Aarhus University P. 1-105 (In Danish) (1968)*** *Comment : S, dS. Many Ions (H-Hg) at 50-500 keV -> H, He, Ne, Ar, Kr, Xe, Air*	**1968-Hvel** 0406
1970	Swint, J. B. Prior, R. M. Ramirez, J. J. **'Energy Loss of Protons in Gases'** ***Nucl. Inst. Methods, 80, 134-40 (1970)*** *Comment : S. 0.4-3.4 MeV H -> N2, Air, O2, Ne, Ar, Kr, CH4, CO2*	**1970-Swin** 0403
1971	Bonderup, E. Hvelplund, P. **'Stopping Power and Energy Straggling of Swift Protons'** ***Phys. Rev. A, 4, 562-69 (1971)*** *Comment : S,dS. 100-500 keV H -> H2, He, Air, Ne, Ar, Kr*	**1971-Bond** 0429

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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	Porter, L. E. Naylor, H. Duder, J. C. **'Stopping Power of Polystyrene for 2.2 to 5.9 MeV Protons.'** ***Nucl. Inst. Methods, 155, 25-28 (1978)*** *Comment : S. 2.2-5.9 MeV H -> Polystyrene*	**1978-Port** 1158
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
1980	Bednyakov, A. A. Bulgakov, Y. V. Nikolaev, V. S. Chernov, V. L. **'Energy Losses and their Straggling for H and He Ions with Energies of Several Hundreds of keV on Passage through Metal and Polystyrenen Films'** ***Sov. Phys., JETP 51, 954 (1980)*** *Comment : S, dS. H, He (120-1300 keV) -> Al, Cu, Ag, Au, polystyrene*	**1980-Bedn** 1615
1980	Haque, A. K. M. M. Nikjoo, H. Mohammadi, A. **'The Stopping Power and Straggling of Energy Loss for Alpha Particles in Liquids and Their Vapours and for Protons in Thin Polymer Films'** ***Proc. 7th Sym. Microdosimetry, EurAtom Rpt. 7147, 179-190 (1980)*** *Comment : S,R. H (340 keV) -> Polyethylene, CH2. Liquid and gas stopping. Difficult paper to understand.*	**1980-Haqu** 1542
1981	Bednyakov, A. A. Bulgakov, Y. V. Nikolaev, V. S. Chernov, V. L. **'Energy Straggling of Hydrogen and Helium Ions in Al, C, and Polystyrene at Energies of Tens and Hundreds keV/amu'** ***Phys. Stat. Sol. A, 68, 187 (1981)*** *Comment : S, dS. H, He (70-1200 keV) -> Al, C, Polystyrene*	**1981-Bedn** 1958
1982	Ishiwari, R. Shiomi, N. Sakamoto, N. **'Geometric Effect on the Measurement of Stopping Power: Angular Dependent Energy Loss of 7 MeV Protons in Metallic and Organic Thin Foils'** ***Phys. Rev. A, 25, 2524 (1982)*** *Comment : S. H (7 MeV) -> Be, Al, Ag, Mylar, Cellophane (Angular effects)*	**1982-Ishi2** 1676

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1983	Baumgart, H. Arnold, W. Berg, H. Huttel, E. Clausnitzer, G. **'Proton Stopping Powers in Various Gases'** ***Nucl. Inst. Methods, 204, 597 (1983)*** *Comment : H (60-800 keV) -> H, He, N, O, Ne, Ar, Kr, Xe*	**1983-Baum** 1614
1989	Haque, A. K. M. M. Mohammadi, A. Nikjoo, H. **'Stopping Power for Low Energy Protons'** ***J. Phys. D, 22, 1196-1204 (1989)*** *Comment : S, dS. H (20-400 keV) -> Hydrocarbons such as ethylene, propylene, styrene, etc. Solid vs. Gas phase effects + straggling*	**1989-Haqu** 2187
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
1993	Schiefermuller, A. Galser, R. Stohl, R. Semrad, D. **'Energy Loss of Hydrogen Projectiles in Gases'** ***Phys. Rev. A, 48, 4467-4475 (1993)*** *Comment : S. H (3-20 keV/amu) -> H2, D, He, Ne*	**1993-Schi** 2076
1994	Auth, C. Winter, H. **'Impact Parameter Dependence of the Energy Loss of Fast Protons in Single Collisions with Noble Gas Atoms'** ***Nucl. Inst. Methods, B93, 123-131 (1994)*** *Comment : S. H (50-250 keV) -> He, Ne Ar*	**1994-Auth** 1854
1994	Wallace, W. E. Rathman, J. B. Composto, R. J. **'The Stopping Power of 1-3 MeV H and He in Polystyrene'** ***Nucl. Inst. Methods, B84, 1-4 (1994)*** *Comment : S. H, He (1-3 MeV) -> Polystyrene*	**1994-Wall2** 2050
1995	Abel, F. Quillet, V. Schott, M. **'Degradation of Polystyrene Thin Films under D, He and C Irradiation, Studied by Ion Beam Analysis: Effects of Energy Loss, Sample Thickness and Isotopic Content'** ***Nucl. Inst. Methods, B105, 86-90 (1995)*** *Comment : S. H, D, He, C (150-2500 keV) -> Polystyrene (*	**1995-Abel** 2035
1995	LeBlanc, L. Ross, G. G. Wallace, W. E. **'Measured Stopping Powers of Hydrogen and Helium in Polystyrene near their Maximum Values'** ***Nucl. Inst. Methods, 95, 457-462 (1995)*** *Comment : S. H, He (.04 - 300 keV/amu) -> Polystyrene*	**1995-LeBl** 1849

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1997	Eder, K. Semrad, D. Bauer, P. Golser, R. Echenique, P. M. **'Absence of a "Threshold Effect" in the Energy Loss of Slow Protons Traversing Large Band-Gap Insulators'** ***Phys. Rev. Lett., 79, 4112-4115 (1997)*** *Comment : S. H (2 - 800 keV) -> Al2O3, SiO2, LiF, Ne*	**1997-Eder** 2363
1999	Porter, L. E. **'Values of modified Bethe-Bloch Stopping Power Parameters for Polysulfone extracted from Stopping Power Measurements with Light Projectile'** ***Nucl. Inst. Methods, B159, 195-200 (1999)*** *Comment : S. H, He (1 - 3.2 MeV) -> Polysulfone*	**1999-Port** 2355
2004	Ammi, H. Mammer, S. Allab, M. **'Energy loss straggling of energetic 1H and 2H ions crossing polypropylene foils '** ***Nucl.Instrum.Methods B213, 60 (2004)*** *Comment : S,dS. H (0.9-2.9 MeV/n) -> Polypropylene*	**2004-Ammi** 3200
2004	Damache, S. Ouichaoui, S. Belhout, A. Medouni, A. Toumert, I **'Stopping of 236 keV – 3.019 MeV protons in mylar and polypropylene films'** ***Nucl. Instrum. Methods B225, 449 (2004)*** *Comment : S. H (236-3019 keV) ->Mylar, Polypropylene*	**2004-Dama** 3205
2005	Ammi, H. Zemih, R. Mammer, S. Allab, M. **'Mean excitation energies extracted from stopping power measurements of protons in polymers by using the modified Bethe–Bloch formula'** ***Nucl.Instrum.Methods B230, 68 (2005)*** *Comment : S. H (1-3.5 MeV) ->LR115, Mylar, Polycarbonate, Polyprop.*	**2005-Ammi** 3201