

Citations for : **HydroCarbon Targets Ion = H**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1951	Sachs, D. C. Richardson, J. R. 'The Absolute Energy Loss of 18 MeV Protons in Various Materials' <i>Phys. Rev.</i> , 83 , 834-837 (1951) <i>Comment</i> : S. H (18 MeV) -> Al, Ni, Cu, Rh, Ag, Cd, Sn, Ta, Au, Nylon. Mean ionization energies.	1951-Sach
1953	Cook, C. J. Jones, E. Jr. Jorgensen, . 'Range-Energy Relations of 10- to 250-keV Protons and Helium Ions in Various Gases' <i>Phys. Rev.</i> , 91 , 1417-22 (1953) <i>Comment</i> : R. (4-250 keV) H, He -> H ₂ , Ar, Air, N ₂ , CO, CH ₄ , O ₂ . Ionization Ranges.	1953-Cook
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.</i> , 92 , 742-48 (1953) <i>Comment</i> : S. 30-600 keV H -> H ₂ , He, O ₂ , Air, N ₂ , Ne, Ar, Kr, Xe, Hydrocarbons.	1953-Reyn
1963	Park, J. T. Zimmermann, E. J. 'Stopping Cross Section of Some Hydrocarbon Gases for 40-250 keV Protons and Helium Ions' <i>Phys. Rev.</i> , 131 , 1611-18 (1963) <i>Comment</i> : S. 40-250 keV H -> Air, He, Various Hydrocarbons	1963-Park
1965	Sautter, C. A. Zimmermann, E. J. 'Stopping Cross Sections of Carbon and Hydrocarbon Solids for Low-Energy Protons and Helium Ions' <i>Phys. Rev. A</i> , 140 , 490-98 (1965). <i>Comment</i> : S. 30-350 keV H, He -> C, Plastics	1965-Saut
1965	Schuler, R. H. 'Radiolysis of Benzene by Heavy Ions' <i>Trans. Faraday Soc.</i> , 61 , 100-109 (1965) <i>Comment</i> : S. 100 keV H, 500 keV He -> Benzene	1965-Schu
1966	Kloppenburg, J. Flammersfeld, A. 'Energieverlustmessungen in Antrazen, Terphenyl und Plastikzintillatoren Fur Protonen und Deuteronen in Energiebereich von 100 Bis 900 keV' <i>Z. Physik</i> , 196 , 424-32 (1966) <i>Comment</i> : S. 0.1-0.9 MeV H, D -> Anthrazene, Terhenylen, Plast. Scintillators.	1966-Klop
1967	Hughes, S. 'The Range of 5-50 keV Heavy Ions in Various Gases' <i>Phys. Med. Biol.</i> , 12 , 565-71 (1967) <i>Comment</i> : R. 5-50 keV H ⁺ -> Ar, CO ₂ , N ₂ , CH ₄ , C ₂ H ₅ , C ₂ H ₄ , C ₃ H ₈ , C ₄ H ₁₀ . 5-30 keV N ⁺ -> CH ₄	1967-Hugh

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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
1972	Huetter, G. T. Madey, R. Yushak, S. M. 'Fluctuations in the Energy Loss of 66- and 100-MeV Protons in a Thin Proportional Counter' <i>Phys. Rev. A, 6, 250-55 (1972)</i> <i>Comment : dS. 66, 100 MeV H -> (0.9 Xe, 0.1 CH4)</i>	1972-Huet
1974	Sidenius, G. 'Systematic Stopping Cross Section Measurements with Low Energy Ions in Gases' <i>Kgl. Danske Videnskab. Selskab. Mat. Fys.Medd., 39, No. 4, 1-32 (1974)</i> <i>Comment : S. 0.6-70 keV H, He, 2-120 keV 6Li, 7Li, 3-120 keV Be, B, C, N, O, F, Ne -> CH4</i>	1974-Side
1976	RamanaMurthy, P. V. Demeester, G. D. 'The Use of Gas Proportional Counters to Distinguish Protons from Pions in the Cosmic Radiation of Energies Near Or Greater Than 100 GeV' <i>Nucl. Inst. Methods, 56, 93-105 (1976)</i> <i>Comment : dS. 1.5 GeV/c Mu, 80 MeV P, 1.5, 40 GeV/c Pi- -> Ar+7% CH4</i>	1976-Rama
1976	Thorngate, J. H. 'Measurements of Energy Losses, Distribution of Energy Loss and Additivity of Energy Losses for 50 to 150 keV Protons in Hydrogen and Nine Hydrocarbon Gases' <i>ORNL-TM-5165 (1976)</i> <i>Comment : S, dS. 50-150 keV H -> H2, CH4 and many other Hydrocarbons</i>	1976-Thor
1976	Thorngate, J. H. 'Measurements of Distributions of Energy Loss for 51, 102, and 153 keV Protons in Nine Hydrocarbon Gases' <i>Nucl. Inst. Methods, 137, 569-75 (1976)</i> <i>Comment : dS. 50-150 keV H -> CH4 and many other Hydrocarbons</i>	1976-Thor2
1977	Thorngate, J. H. 'Measurements of the Additivity of Stopping Cross Sections for 50-150 keV Protons in Nine Hydrocarbon Gases' <i>Health Phys., 32, 541-546 (1977)</i> <i>Comment : S. H (50-150 keV) -> 9 hydrocarbon gases</i>	1977-Thor
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

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1980	Haque, A. K. M. M. Nikjoo, H. Mohammadi, A. 'The Stopping Power and Stragglings of Energy Loss for Alpha Particles in Liquids and Their Vapours and for Protons in Thin Polymer Films' <i>Proc. 7th Sym. Microdosimetry, EurAtom Rpt. 7147, 179-190 (1980)</i> <i>Comment : S, R. H (340 keV) -> Polyethylene, CH2. Liquid and gas stopping. Difficult paper to understand.</i>	1980-Haqu
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
1981	Bednyakov, A. A. Bulgakov, Y. V. Nikolaev, V. S. Chernov, V. L. 'Energy Stragglings of Hydrogen and Helium Ions in Al, C, and Polystyrene at Energies of Tens and Hundreds keV/amu' <i>Phys. Stat. Sol. A, 68, 187 (1981)</i> <i>Comment : S, dS. H, He (70-1200 keV) -> Al, C, Polystyrene</i>	1981-Bedn
1984	Baumgart, H. Arnold, W. Gunzl, J. Huttel, E. Hofmann, A. 'Proton and Helium Stopping Cross Sections in Gaseous Hydrocarbon Compounds' <i>Nucl. Inst. Methods, B5, 1-9 (1984)</i> <i>Comment : S, H, He (60-1050 keV) -> Various hydrocarbon gases</i>	1984-Baum
1984	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Stopping Power of Au for Protons from 3-8 MeV' <i>Nucl. Inst. Methods, B2, 141 (1984)</i> <i>Comment : S, H (3-8 MeV) -> Au</i>	1984-Ishi
1984	L'Hoir, A. Schmaus, D. 'Stopping Power and Energy Stragglings for Small and Large Energy Losses of MeV Protons Transmitted through Polyester Films' <i>Nucl. Inst. Methods, B4, 1 (1984)</i> <i>Comment : S, dS. H (0.5-2.0 MeV) -> Polyester</i>	1984-L
1984	Wilson, W. E. Miller, J. H. Toburen, L. H. Manson, S. T. 'Differential Cross Sections for Ionization of Methane, Ammonia and Water Vapor by High Velocity Ions' <i>J. Chem. Phys., 80, 5631 (1984)</i> <i>Comment : S, H (3-4.2 MeV) -> H2O, Ammonia, Methane</i>	1984-Wils2
1985	Fink, D. Biersack, J. P. Chen, J. T. Stadele, M. Tjan, K. 'Distributions of Light Ions and Foil Destruction after Irradiation of Organic Polymers' <i>J. Appl. Phys., 58, 668-676 (1985)</i> <i>Comment : R, H, He, Li, B, C, N, Bi (50-300 keV) -> AZI111, PMMA, Epoxy, C, Li, PMCN</i>	1985-Fink

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1985	Haque, A. K. M. M. Mohammadi, A. Nikjoo, H. 'Study of the Stopping Power and Straggling for Alpha Particles and Protons in Organic Solids, Liquids and Gases' <i>Rad. Prot. Dosimetry, 13, 71-74 (1985)</i> <i>Comment : S, dS. H, He (.1-5.5 MeV) -> H2O, methanol, ethanol, propanol, styrene, and polymers. Targets measured in Solid/Liquid/Gas phases.</i>	1985-Haqu
1985	Rauhala, E. Raisanen, J. 'Energy Loss of 450-2400 keV Protons in Havar, Kapton and Aluminized Mylar Foils' <i>Nucl. Inst. Methods, B12, 321 (1985)</i> <i>Comment : S. H (450-2400 keV) -> Havar, Kapton, Mylar</i>	1985-Rauh
1987	Guimaraes, R. B. Behar, M. Livi, R. P. De Souza, J. P. Amaral, L. 'Dose and Energy Dependence of Implanted Ion Profiles ($9 \leq Z1 \leq 83$) in AZ-111 Photoresist' <i>Nucl. Inst. Methods, B19/20, 882-886 (1987)</i> <i>Comment : R, dR. F, Na, P, Ar, K, Fe, Ga, Kr, Sn, Xe, Bi (30-100 keV) -> AZ111 Photoresist</i>	1987-Guim
1988	Rauhala, E. Raisanen, J. 'Stopping Powers of 0.5-8.3 MeV Protons in Havar, Nickel, Kapton and Mylar' <i>Nucl. Inst. Methods, B35, 130 (1988)</i> <i>Comment : S. H (0.5-8.3 MeV) -> Ni, Havar, Kapton, Mylar</i>	1988-Rauh
1989	Haque, A. K. M. M. Mohammadi, A. Nikjoo, H. 'Stopping Power for Low Energy Protons' <i>J. Phys. D, 22, 1196-1204 (1989)</i> <i>Comment : S, dS. H (20-400 keV) -> Hydrocarbons such as ethylene, propylene, styrene, etc. Solid vs. Gas phase effects + straggling</i>	1989-Haqu
1990	Bauer, P. 'Stopping Power of Light Ions near the Maximum' <i>Nucl. Inst. Methods, B45, 673 (1990)</i> <i>Comment : dS. H, H- (30-700 keV) -> C, Al, Si, Ni, Cu, Ag, Au, SiO2, HC2, Al2O3</i>	1990-Bauc
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
1990	Reiter, G. Pfaff, E. Clausnitzer, G. 'Proton and Helium Stopping Cross Sections in Halogenated Hydrocarbon Compounds' <i>Nucl. Inst. Methods, B51, 320-329 (1990)</i> <i>Comment : S. H, He (0.05-3.0 MeV) -> HC Compounds</i>	1990-Reit2

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1993	Hiraoka, T. Kawashima, K. Hoshino, K. Fukumura, A. Bichsel, H. 'Energy Loss of 70 MeV Protons in Organic Polymers' <i>Med. Phys.</i> , 20, 135-141 (1993) <i>Comment : S. H (70 MeV) -> H2O, A-150 Tissue plastic</i>	1993-Hira
1996	Munnik, F. Plompen, A. J. M. Raisanen, J. Watjen, U. 'Stopping Powers of 200-3000 keV He and 550-1750 keV H Ions in Vyns' <i>Nucl. Inst. Methods, B119, 445-451 (1996)</i> <i>Comment : S. H, He (200-3000 keV) -> Vyns (polymer)</i>	1996-Munn
1997	Shiomi-Tsuda, N. Sakamoto, N. Ogawa, H. Tanaka, M. Saito, M. 'Stopping Powers of Mylar for Protons from 0.40 to 3.25 MeV' <i>Nucl. Inst. Methods, B 129, 1-4 (1997)</i> <i>Comment : S. H (0.4-3.25 MeV) -> Mylar</i>	1997-Tsud
1998	Shiomi-Tsuda, N. Sakamoto, N. Ogawa, H. Saitoh, M. Kitoba, U. 'Stopping Powers of Havar for Protons from 0.45 to 3.0 MeV' <i>Nucl. Inst. Methods, B 135, 118-123 (1998)</i> <i>Comment : S. H (.45 - 3 MeV) -> Havar</i>	1998-Shia
1999	Porter, L. E. 'Values of modified Bethe-Bloch Stopping Power Parameters for Polysulfone extracted from Stopping Power Measurements with Light Projectile' <i>Nucl. Inst. Methods, B159, 195-200 (1999)</i> <i>Comment : S. H, He (1 - 3.2 MeV) -> Polysulfone</i>	1999-Port
1999	Porter, L. E. 'Values of Bethe-Bloch Stopping Power Parameters for BYNS' <i>Nucl. Inst. Methods, B 149, 373-378 (1999)</i> <i>Comment : S. H, He (0.5 - 1.75 MeV) -> Vyns</i>	1999-Port2