

Citations for Ion = **H** , Target = **C**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1936	Batzner, H. 'Uber Die Geschwindigkeitsabnahme von H-Kanalstrahlen in Metallen' <i>Ann. Physik, 25, 233-262 (1936)</i> <i>Comment : S. 4-60 keV H -> Al, Cu, Ag, Sn, Au</i>	1936-Batz 0407
1941	Brunings, J. H. Knipp, J. K. Teller, E. 'On the Momentum Loss of Heavy Ions' <i>Phys. Rev., 60, 657-660 (1941)</i> <i>Comment : Theory. Heavy ion charge state vs. velocity.</i>	1941-Brun 1949
1941	Wilson, R. R. 'Range and Ionization Measurements on High Speed Protons' <i>Phys. Rev., 60, 749-53 (1941)</i> <i>Comment : S. 4 MeV H -> Al, Cu, Fe, Mo, Ni, Pt, Ta, Zn Rel. To Air.</i>	1941-Wils 0136
1949	Teasdale, J. G. 'Stopping of Various Elements Relative to Aluminum for 12 MeV Protons' <i>Univ. of Calif. at Los Angeles, Rpt.Np 1368, 1-16 (1949)</i> <i>Comment : S. 12 MeV H -> Ni, Cu, Rh, Pd, Ag, Cd, In, Ta, Pt, Au, Th</i>	1949-Teas 0122
1949	Warsaw, S. D. 'The Stopping Power of Protons in Several Metals' <i>Phys. Rev., 76, 1759-65 (1949)</i> <i>Comment : S. 50-400 keV H -> Be, Al, Cu, Ag, Au</i>	1949-Wars 0129
1951	Bakker, C. J. Segre, E. 'Stopping Power and Energy Loss for Ion-Pair Production for 340 MeV Protons' <i>Phys. Rev., 84, 489-92 (1951)</i> <i>Comment : S. Rel. To Al And Cu. 340 MeV H -> H2, Li, Be,C, Al, Fe, Cu, Ag, Sn, W, Pb, U</i>	1951-Bakk 0218
1951	Bloembergen, N. VanHerden, P. J. 'The Range and Stragglng of Protons Between 35 and 120 MeV' <i>Phys. Rev., 83, 561-66 (1951)</i> <i>Comment : R, dR. 35-120 MeV H -> Al, Cu, Pb</i>	1951-Bloe 0761
1951	Mather, R. Segre, E. 'Range-Energy Relation for 340 MeV Protons' <i>Phys. Rev., 84, 191-93 (1951)</i> <i>Comment : R. 340 MeV H -> Be, C, Al, Cu, Sn, Pb</i>	1951-Math 0209
1951	Sachs, D. C. Richardson, J. R. 'The Absolute Energy Loss of 18 MeV Protons in Various Materials' <i>Phys. Rev., 83, 834-837 (1951)</i> <i>Comment : S. H (18 MeV) -> Al, Ni, Cu, Rh, Ag, Cd, Sn, Ta, Au, Nylon. Mean ionization energies.</i>	1951-Sach 1748

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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	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., 91, 1417-22 (1953)</i> <i>Comment : R. (4-250 keV) H, He -> H2, Ar, Air, N2, CO, CH4, O2 . Ionization Ranges.</i>	1953-Cook 0762
1953	Kahn, D. 'The Energy Loss of Protons in Metallic Foils and Mica' <i>Phys. Rev., 90, 503-09 (1953)</i> <i>Comment : S. 400-1350 keV H -> Be, Al, Cu, Au, Mica</i>	1953-Kahn 0076
1953	Madsen, C. B. 'Proton Stopping Power and Energy Straggling of Protons' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 27, No. 13, 1-21 (1953)</i> <i>Comment : S. dS. 350-2000 keV H -> Be, Al, Cu, Ag, Mica</i>	1953-Mads 0084
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' <i>Phys. Rev., 93, 413-18 (1954)</i> <i>Comment : S. 400-1050 keV H -> N2, Ne, Ar, Kr, Xe, Ni, Cu</i>	1954-Chil 0032
1955	Green, D. W. Cooper, J. N. Harris, J. C. 'Stopping Cross Section of Metals for Protons of Energies from 400 to 1000 keV' <i>Phys. Rev., 98, 466-70 (1955)</i> <i>Comment : S. 0.4-1.0 MeV H -> Mn, Cu, Ge, Sn, Se, Ag, Sb, Au, Pb, Bi</i>	1955-Gree 0059
1955	Rybakov, B. V. 'Ranges of Protons in Medium and Heavy Elements' <i>Zh. Eksp. Teor. Fiz., 28, 651-54 (1955) [Engl. Trans. Sov. Phys. JETP, 1, 435-38 (1955)]</i> <i>Comment : R. 1-7 MeV H -> Fe, Cu, Mo, Cd, Sn, Pd, Ta Rel. To Al</i>	1955-Ryba 0111
1955	Sonett, C. P. Mackenzie, K. R. 'Relative Stopping Power of Various Metals for 20 MeV Protons' <i>Phys. Rev., 100, 734-32 (1955)</i> <i>Comment : S. 20.6 MeV H -> Ni, Cu, Nb, Pd, Ag, Cd, In, Ta, Pt, Au, Th, Rel. To Al.</i>	1955-Sone 0116

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1956	Bader, M. Pixley, R. E. Moser, F. J. Whaling, W. 'Stopping Cross Sections of Solids for Protons, 50-600 keV' <i>Phys. Rev.</i> , 103, 32-38 (1956) <i>Comment</i> : S. H (50 keV-2.6 MeV) -> Cu, Au, Pb, LiF, CaF2, Li, Be, Al, Mn, Ta, Ca, V, Cr, Fe, Co, Ni, Cu, Zn	1956-Bade 0008
1957	Burkig, V. C. Mackenzie, K. R. 'Stopping Power of Some Metallic Elements for 19.8 MeV Protons' <i>Phys. Rev.</i> , 106, 848-51 (1957) <i>Comment</i> : S. Rel. To Al. 19.8 MeV H -> Be, Ca, Ti, V, Fe, Ni, Cu, Zn, Nb, Mo, Rh, Pd, Ag, Cd, In, Sn, Ta, W, Ir, Pt, Au, Pb, Th	1957-Burk 0149
1959	Zrelov, V. P. Stoletov, G. D. 'Range-Energy Relation for 660 MeV Protons' <i>Zh. Eksp. Teor. Fiz.</i> , 36, 664-72 (1959) [<i>Engl. Trans. Sov. Phys. JETP</i> , 9, 461-67 (1959)] <i>Comment</i> : R. 660 MeV H -> Cu. S Rel. To Cu, 635 MeV H -> H, Be, C, Fe, Cd, W	1959-Zrel 0222
1961	Barkas, W. H. VonFriesen, S. 'High-Velocity Range and Energy-Loss Measurements in Al, Cu, Pb, U and Emulsion' <i>Nuovo Cimento Suppl.</i> , 19, 41-62 (1961) <i>Comment</i> : R, S Rel. To Cu. 750 MeV H -> Al, Cu, Pb, U, Emulsion	1961-Bark2 0221
1961	Softky, S. D. 'Ratio of Atomic Stopping Power of Graphite and Diamond for 1 MeV Protons' <i>Phys. Rev.</i> , 123, 1085-91 (1961) <i>Comment</i> : S. 1.1 MeV H -> C	1961-Soft 0369
1962	Gott, Yu. V. Telkovskiy, V. G. 'Energy Losses of Light Ions in Thin Metallic Foils' <i>Radiotekhnika I. Elek. (USSR)</i> , 7, 1956-61 (1962) [<i>Engl. Trans:Rad. Eng. and Electron Phys.</i> , 7, 1813-19 (1962)] <i>Comment</i> : S. 2-15 keV H, D, He -> Al, Ti, Cu, Ge, Ag, Sn, Au	1962-Gott 0159
1962	VanWijngaarden, A. Duckworth, H. E. 'Energy Loss in Condensed Matter of 1H, and 4He in the Energy Range 4 < E < 30 keV' <i>Can. J. Phys.</i> , 40, 1749-64 (1962) <i>Comment</i> : S. 4-30 keV H, He -> C, Al2O3	1962-VanW 0356
1963	Meckbach, W. Allison, S. K. 'Ratio of Effective Charge of He Beams Traversing Gaseous Metallic Conductors' <i>Phys. Rev.</i> , 132, 294-304 (1963) <i>Comment</i> : S. 148-920 keV He, 37-230 keV H -> Cd (Gas. And Sol. Phase)	1963-Meck 0176

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1963	Ormrod, J. H. Duckworth, H. E. 'Stopping Cross Sections in Carbon for Low-Energy Atoms with $Z < 12$ ' <i>Can. J. Phys.</i> , 41, 1424-42 (1963) <i>Comment</i> : S. (10-130 keV) H, He, Li, Be, B, C, N, O, F, Ne, Na, Mg -> C	1963-Ormr 0166
1964	Koschmieder, L. 'Zur Energiebestimmung von Protonen Aus Reichweitemessungen' <i>Z. Naturforschg.</i> 19A, 1414-16 (1964) <i>Comment</i> : R. 57-144 MeV H -> Cu. Ranges From Transmission Through Foil Stacks.	1964-Kosc 0379
1964	Morsell, A. L. 'Proton Energy-Loss Distributions from Thin Carbon Films' <i>Phys. Rev. A</i> , 135, 1436-43 (1964) <i>Comment</i> : S, dS. 990 keV H -> C	1964-Mors 0190
1965	Moorhead, R. D. 'Stopping Cross Sections of Low Atomic Number Materials for He+ 65-180 keV' <i>J. Appl. Phys.</i> , 36, 391-96 (1965) <i>Comment</i> : S. 65 - 180 keV H, He -> C, He -> Al, Cr	1965-Moor 0217
1965	Ophel, T. R. Morris, J. M. 'Measurement of the Energy Distribution of Charged Particles after Passage through a Thin Foil' <i>Phys. Letters</i> , 19, 245-47 (1965) <i>Comment</i> : dS. 1.0L MeV H -> C	1965-Ophe 0597
1965	Pivovar, L. I. Nikolaichuk, L. I. Rashkovan, V. M. 'Passage of Lithium Ions through Condensed Targets' <i>Zh. Eksp. Teor. Fiz.</i> , 47, 1221-27 (1964) [<i>Engl. Trans. Sov. Phys. JETP</i> , 20, 225-29 (1965)] <i>Comment</i> : S. 20-145 keV Li -> C	1965-Pivo 0194
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 0232
1966	Fastrup, B. Hvelplund, P. Sautter, C. A. 'Stopping Cross Section in Carbon of 0.1-1.0 MeV Atoms with $5 < Z < 20$ ' <i>Kgl. Danske Videnskab. Selskab. Mat. Fys. Medd.</i> , 35, No. 10, 1-28 (1966) <i>Comment</i> : S. (80-900 keV) H, C, N, O, F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar -> C	1966-Fast 0247
1967	Andersen, H. H. Hanke, C. C. Sorensen, H. Vajda, P. 'Stopping Power of Be, Al, Cu, Ag, Pt and Au for 5-12 MeV Protons and Deuterons' <i>Phys. Rev.</i> , 153, 338-42 (1967) <i>Comment</i> : S. 4.5 - 12 MeV H, D -> Be, Al, Cu, Ag, Pt, Au	1967-Ande 0280

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1967	Gorodetzky, S. Chevallier, A. Pape, A. Sers, J. C. Bergdolt, A. M. 'Mesure Des Pouvoirs D'Arret De C, Ca, Au Et Ca Pours Des Protons D'Energie Comprise Entre Et 6 MeV.' <i>Nucl. Phys., A91, 133-44 (1967)</i> <i>Comment : S. 0.4-6.0 MeV H -> C, Ca, Au, CaF2</i>	1967-Goro 0279
1967	Hughes, S. 'The Range of 5-50 keV Heavy Ions in Various Gases' <i>Phys. Med. Biol., 12, 565-71 (1967)</i> <i>Comment : R. 5-50 keV H+ -> Ar, CO2, N2, CH4, C2H5, C2H4, C3H8, C4H10. 5-30 keV N+ -> CH4</i>	1967-Hugh 0642
1967	Lepishinskaya, V. N. Zarutskiy, E. M. 'Penetration of Medium Energies Ions into Metals' <i>Proceeding of the 8th Int. Conf. Ion. Phenom. in Gases, Springer. Wien, P. 44 (1967)</i> <i>Comment : R, S. 1-16 keV H+, H2+, H3+ -> Cu</i>	1967-Lepi 0765
1967	Morita, K. Akimura, H. Suita, T. 'Stopping Cross-Sections of Metallic Films for Projectile of Low Energy Proton' <i>J. Phys. Soc. Jap., 22, 1503 (1967)</i> <i>Comment : S. 7-35 keV H -> Be, Al, Cu, Ag, Au</i>	1967-Mori 0291
1967	Vasilievsky, I. M. Prokoshkin, Yu. D. 'Ionization Energy Loss of Protons, Deuterons and Alpha-Particles' <i>Yaderna Fiz. (Russia), 4, 549-55 (1966)[Engl. Trans. Sov. Phys. Nucl. Phys., 4, 390-94 (1967)]</i> <i>Comment : S. (267-650 MeV) H, D, He -> Cu, H, C, Al, Sn, Pb</i>	1967-Vasi 0313
1967	Zarutskii, E. M. 'Penetration of Hydrogen Ions into Copper' <i>Fiz. Tverd. Tela, 9, 1500-04 (1967). [Engl. Trans. Sov. Phys. Solid State, 9, 1172-76 (1967)]</i> <i>Comment : S. 4-20 keV H+ -> Cu</i>	1967-Zaru 0318
1968	Andersen, H. H. Hanke, C. C. Simonsen, H. Sorensen, H. Vajda, P. 'Stopping Power of the Elements Z = 20 through Z = 30 for 5 - 12 MeV Protons and Deuterons' <i>Phys. Rev., 175, 389-95 (1968)</i> <i>Comment : S. 5-12 MeV H, D -> Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn</i>	1968-Ande 0358
1968	Hilbert, J. W. Baily, N. A. Lane, R. G. 'Statistical Fluctuations of Energy Deposited in Low-Atomic-Number Materials by 43 MeV Protons' <i>Phys. Rev., 168, 290-93 (1968)</i> <i>Comment : dS. 43.7 MeV H -> He-CO2 Mixture</i>	1968-Hilb 0401

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1968	Johnson, C. H. Kernell, R. L. 'Use of the (p,n) Reaction to Measure Proton Atomic Stopping Powers in Ag, Cd, In, and Sn' <i>Phys. Rev.</i> , 169, 974-77 (1968) <i>Comment</i> : S. 4.5 MeV H -> Ag, Cd, In, Sn	1968-John 0355
	Morita, K. Akimura, H. Suita, T. 'Energy Loss of Low Energy Protons and Deuterons in Evaporated Metallic Films' <i>J. Phys. Soc. Jap.</i> , 25, 1525-32 (1968) <i>Comment</i> : S, dS. 7-40 keV H, D -> Cu, 7-40 keV H -> Be, Al, Ag, Au	1968-Mori 0399
1968	Tschalar, C. Bichsel, H. 'Mean Excitation Potential of Light Compounds' <i>Phys. Rev.</i> , 175, 476-8 (1968) <i>Comment</i> : R. 3-30 MeV H -> Si, Al, SiO2, Al2O3, C3H5O2	1968-Tsch3 0904
	Arhipov, E. P. Gott, Yu. V. 'Slowing Down of 0.5 - 30 keV Protons in Some Materials.' <i>Zh. Eksp. Teor. Fiz.</i> , 56, 1146-51 (1969). [<i>Engl. Trans. Sov. Phys. JETP</i> , 29, 615-18 (1969)] <i>Comment</i> : S. 0.5-30 keV H -> C, Ti, Al, Cu, Ni, Fe, Ge, Si, Sb, Bi	1969-Arkh 0410
1969	Baily, N. A. Steigerwalt, J. E. 'Frequency Distribution for Very Small Energy Losses by 46 MeV Protons' <i>Bull. Am. Phys. Soc.</i> , 14, 846 (1969) <i>Comment</i> : dS. 46 MeV H -> He-CO2 Mixture	1969-Bail 0392
	Macdonald, J. R. Sidenius, G. 'The Total Ionization in Methane of Ions with $1 \leq Z_1 \leq 20$ at Energies from 10 to 120 keV' <i>Phys. Letters A</i> , 28, 543-44 (1969) <i>Comment</i> : S. 10-120 keV H, He, Li, Be, B, C, N, O, F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar, Ca, V, Sc, Ti -> CH4	1969-Macd 0373
1969	Vasilievskii, I. M. Karpov, I. I. Petrushkin, V. I. Prokoshkin, Yu. D. 'Proton Ranges and Ionization Energy Losses in Various Materials' <i>Yaderna Fiz.</i> , 9, 997-1008 (1968) [<i>Eng. Transl. Sov. J. Nucl. Phys.</i> , 9, 583-9 (1969)] <i>Comment</i> : R. 660 MeV H -> C, Al, Cu, Sn, Pb	1969-Vasi 0905
	White, W. Mueller, R. M. 'Electron-Stopping Cross Sections of 1H, 4He Particles in Cr, Mn, Fe, Co, Ni, and Cu at Energies Near 100 keV' <i>Phys. Rev.</i> , 187, 499-503 (1969) <i>Comment</i> : S. 25-140 keV H, 40-120 keV He -> Cr, Mn, Fe, Co, Ni, Cu	1969-Whit 0389

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1970	Baily, N. A. Steigerwalt, J. E. Hilbert, J. W. 'Frequency Distribution of Energy Deposition by Fast Charged Particles in Very Small Pathlengths' <i>Phys. Rev. B, 2, 577-582 (1970)</i> Comment : dS. 46.4 MeV H -> He-CO2 Mixture	1970-Bail 0425
1970	Bernstein, W. Cole, A. J. Wax, R. L. 'Penetration of 1-20 keV Ions through Thin Carbon Foils' <i>Nucl. Inst. Methods, 90, 325-28 (1970)</i> Comment : S. 1-20 keV H, O, He, Li, N, Ne, K -> C	1970-Bern 0658
1970	Hogberg, G. Norden, H. Berry, H. G. 'Angular Distributions of ions Scattered in Thin Carbon Foils' <i>Nucl. Inst. Methods, 90, 283-288 (1970)</i> Comment : S. H, D, He, Li, N, Ne, Ar (3-45 keV) -> C Energy loss vs. Angular Effects.	1970-Hogb2 1668
1970	Schalch, D. Scharmann, A. 'Eindringtiefen von Ionen in CaF2-Und Rb-Aufdampfschichten' <i>Z. Angew. Phys, 29, 111-13 (1970)</i> Comment : R. 10-80 keV H, He, Ne, Ar, Kr, Xe -> CaF2, Rb	1970-Scha 0643
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> Comment : S. 0.4-3.4 MeV H -> N2, Air, O2, Ne, Ar, Kr, CH4, CO2	1970-Swin 0403
1970	Walsh, P. J. Underwood, N. 'Energy Loss of Heavy Charged Particles' <i>Health Phys., 18, 561-565 (1970)</i> Comment : S. H (0.3-8 MeV) -> H, He, Li, C. Theory, compared to experiments.	1970-Wals 1950
1971	Ishiwari, R. Shiomi, N. Shirai, S. Ohata, T. Uemura, Y. 'Comparison of Stopping Powers of Al, Ni, Cu, Rh, Ag, Pt and Au for Protons and Deuterons of Exactly the Same Velocity' <i>Bull. Inst. Chem. Res. Kyoto Univ., 49, 390-402 (1971)</i> Comment : S. 7.2 MeV H, 14.4 MeV D -> Al, Ni, Cu, Rh, Ag, Pt, Au	1971-Ishi 0435
1971	Johansen, A. Steenstrup, S. Wohlenberg, T. 'Energy Loss of Protons in Thin Films of Carbon Aluminum and Silver' <i>Rad. Effects, 8, 31-32 (1971)</i> Comment : S. 70-90 keV H -> C, Al, Ag	1971-Joha 0430
1971	Leminen, E. Anttila, A. 'Energy Loss and Straggling of 0.6 -2.0 MeV Protons in Fe, Co and Sb.' <i>Ann. Acad. Sci. Fenn. Ser. A Vi, Physics, No. 370, 1-15 (1971)</i> Comment : S. 0.6-2.0 MeV H -> Fe, Co, Sb	1971-Lemi 0490

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1972	Abroyan, I. A. Koryukin, V. A. 'Retardation of Protons in Chromium and Copper' <i>Fiz. Tverd. Tela, 13, 3112-14 (1971). [Engl. Trans. Sov. Phys. Solid State, 13, 2614-16 (1972)]</i> <i>Comment : S. 0.6-10 keV H -> Cu, Cr</i>	1972-Abro 0473
1972	Edge, R. D. Hedrick, W. R. Dixon, R. L. 'A Comparison of Proton Channeling in the <111> Direction for BaF2 and CaF2' <i>Rad. Effects, 12, 97-103 (1972)</i> <i>Comment : S, dS. 300-400 keV H -> BaF2, CaF2 (Both Cryst.)</i>	1972-Edge 0679
1972	Hellborg, R. 'The Energy Loss of Channeled Protons Determined in an Indirect Way' <i>Phys. Scripta, 4, 75-82 (1972)</i> <i>Comment : S. 1.4-1.8 MeV H -> BaF2, CaF2 (Both Cryst.)</i>	1972-Hell 0422
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 0467
1972	Sirotninen, E. I. Tulinov, A. F. Fiderkevich, A. Shyshkin, K. S. 'The Determination of Energy Losses from the Spectrum of Particles Scattered by a Thick Target' <i>Rad. Effects, 15, 149-52 (1972)</i> <i>Comment : S (1-6 MeV) H, He -> W, Pb, Ta, Mo, W, Ag, Yb, Ce.</i>	1972-Siro 0486
1972	Valenzuela, A. Meckbach, W. Kestelman, A. J. Eckardt, J. C. 'Stopping Power of Some Pure Metals for 25-250-keV Hydrogen Ions' <i>Phys. Rev. B, 6, 95-102 (1972)</i> <i>Comment : S Rel. to 250 keV H. 25-250 keV H -> Ni, Cu, Ag, Sn, Au.</i>	1972-Vale 0478
1973	Sorensen, H. Andersen, H. H. 'Stopping Power of Al, Cu, Ag, Au, Pb and U for 5-18-MeV Protons and Deuterons' <i>Phys. Rev. B, 8, 1854-63 (1973)</i> <i>Comment : S. 5-18 MeV H, D -> Al, Cu, Ag, Au, Pb, U</i>	1973-Sore 0499
1974	Andersen, H. H. 'Studies of Atomic Collisions in Solids by Means of Calorimetric Techniques' <i>Aarhus University. Aarhus P. 1-279 (1974)</i> <i>Comment : S. 5-17 MeV H, D -> Al, Cu</i>	1974-Ande 0725

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1974	Brandt, W. Ratkowski, A. Ritchie, R. H. 'Energy Loss of Swift Proton Clusters in Solids' <i>Phys. Rev. Letters</i> , 33, 1325-28 (1974) <i>Comment</i> : S Rel. To H+ 60-300 keV H+, 75, 150 keV H2+, 60-100 keV H3+ -> C, Au	1974-Bran 0670
1974	Ishiwari, R. 'Comment on Stopping Powers of Various Elements for 7 MeV Protons' <i>J. Phys. Soc. Jap.</i> , 36, 1218 (1974) <i>Comment</i> : S. H (7 MeV) -> Ni, Cu	1974-Ishi 0951
1974	Ishiwari, R. Shiomi, N. Shirai, S. Uemara, Y. 'Stopping Powers of Al, Ti, Fe, Cu, Mo, Ag, Sn and Au for 7.2 MeV Protons' <i>Bull. Inst. Chem. Res. Kyoto Univ.</i> , 52, 19-39 (1974) <i>Comment</i> : S. 7.2 MeV H -> Al, Ti, Fe, Cu, Mo, Ag, Sn, Ta, Au	1974-Ishi2 0443
1974	Ishiwari, R. Shiomi, N. Shirai, S. Uemura, Y. 'Stopping Powers of Al, Ti, Fe, Cu, Mo, Ag, Sn, Ta and Au for 7.2 MeV Protons' <i>Phys. Letters</i> , 48A, 96-98 (1974) <i>Comment</i> : S. H (7.2 MeV) -> Al, Ti, Fe, Cu, Mo, Ag, Sn, Ta, Au	1974-Ishi3 1673
1974	Sidenius, G. 'Systematic Stopping Cross Section Measurements with Low Energy Ions in Gases' <i>Kgl. Danske Videnskab. Selskab. Mat. Fys. Medd.</i> , 39, No. 4, 1-32 (1974) <i>Comment</i> : S. 0.6-70 keV H, He, 2-120 keV 6Li, 7Li, 3-120 keV Be, B, C, N, O, F, Ne -> CH4	1974-Side 0612
1974	Zrellov, V. P. Kruglov, S. P. Mus, K. F. Savelyev, V. D. Shulek, P. 'Determination of the Average Excitation Icu of the Copper Ion from the Ionization Range of 660 MeV Protons' <i>Yaderna Fiz. (Russia)</i> , 19, 1276-81 (1974). [Engl. Trans. Sov. Journ. Nucl. Phys., 19, 653-55 (1974)] <i>Comment</i> : R. 660 MeV H -> Cu	1974-Zrel 0700
1975	Gemmell, D. S. Remillieux, J. Poizat, J. -C. Gaillard, M. J. Holland, R. E. 'Evidence for an Alignment Effect in the Motion of Swift Ion Clusters through Solids' <i>Phys. Rev. Letters</i> , 34, 1420-4 (1975) <i>Comment</i> : S, dS. Molecular Hydrogen Beams (1.6- 4 MeV) -> Au, C, Al, Al2O3	1975-Gemm 1265
1975	Nomura, A. Kiyono, S. 'Stopping Power of Copper, Silver and Gold for Protons and Helium Ions of Low Energy' <i>J. Phys. D: Appl. Phys.</i> , 8, 1551-59 (1975) <i>Comment</i> : S. 4-16 keV H, He -> Cu, Ag, Au	1975-Nomu 0752

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1975	Ophel, T. R. Kerr, G. W. 'A Study of the Energy Loss of 0.6 to 4.5 MeV Protons in Thin Carbon Films.' <i>Nucl. Inst. Methods, 128, 149-55 (1975)</i> Comment : S, dS. 0.36-4.5 MeV H -> C	1975-Ophe 0755
1975	Rickards, J. 'Energy Straggling of Protons in Carbon' <i>Nucl. Inst. Methods, 127, 397 (1975)</i> Comment : dS. 460 keV H -> C	1975-Rick 0754
1975	Tape, J. W. Gibson, W. M. Remillieux, J. 'The Energy Loss of H+ and H+2 Beams in Thin Carbon Foils' <i>Bull. Am. Phys. Soc., 20, 618 (1975)</i> Comment : S. 1 MeV H+, 2 MeV H+2 -> C	1975-Tape 0533
1976	Al-Bedri, M. B. Harris, S. J. Parish, H. G. S. F. 'Energy Loss and Straggling Measurements for Low Energy Protons Transmitted through Thin Solid Films' <i>Rad. Effects, 27, 183-87 (1976)</i> Comment : dS. 0.6-1.6 MeV P-> Melinex, Al, Cu, Au, Pb	1976-Al 2 0818
1976	Forster, J. S. Ward, D. Andrews, H. R. Ball, G. C. Costa, G. J. 'Stopping Power Measurements for 19F, 24Mg, 27Al, 32S and 35Cl at Energies 0.2 to 3.5 MeV/Nucleon in Ti, Fe, Ni, Cu, Ag and Au.' <i>Nucl. Inst. Methods, 136, 349-59 (1976)</i> Comment : S. 2.2 MeV H, 0.2-3.5 MeV/amu F, Mg, Al, S, Cl -> Ti, Fe, Ni, Cu, Ag, Au	1976-Fors 0821
1976	Lefevre, H. W. Anderson, J. D. Davis, J. C. 'Depth Profiling of Tritium Implanted in Titanium' <i>4th Conf. on Uses of Small Accelerators, Preprint: UCRL-78624 (1976)</i> Comment : R, dR. 400 keV 3H -> Ti, Cu (Various Doses).	1976-Lefe 0933
1976	Nomura, A. Kiyono, S. 'Measurements of Energy Distribution of Low Energy Light Ions through Copper Film and Its Statistical Analysis' <i>Jap. J. Appl. Phys., 15, 1773-7 (1976)</i> Comment : S,dS. 5-10 keV H -> Cu, dS. 2-13 keV H, 6-12 keV He -> Cu	1976-Nomu 0910
1976	Olmos, D. Aldape, F. Cavillo, J. Chi, A. Romero, S. 'Energy Dependence of Proton Straggling in Carbon' <i>Meyer, G. Linker and F. Kappeler (Ed.): Ion Beam Surface Layer Analysis, Plenum, N. Y., P. 65-74 (1976)</i> Comment : dS. 0.46-4.79 MeV H -> C	1976-Olmo 0853

Citations for Ion = **H** , Target = **C**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1976	Tape, J. W. Gibson, W. M. Remillieux, J. Laubert, R. Wegner, H. E. 'Energy Loss of Atomic and Molecular Ion Beams in Thin Foils' <i>Nucl. Inst. Methods, 132, 75-77 (1976)</i> <i>Comment : S. 0.3-1.0 MeV/Atom H+, H2+; 1.6-2.9 MeV/Atom O-, O2- -> C</i>	1976-Tape 0869
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 0913
1977	Andersen, H. H. Bak, J. F. Knudsen, H. Moller-Petersen, P. Nielsen, B. R. 'Experimental Investigation of Higher-Order Z1 Corrections to the Bethe Stopping-Power Formula' <i>Nucl. Inst. Methods, 140, 537-540 (1977)</i> <i>Comment : S. H (2-5.2 MeV) -> Al, Cu, Ag, Au</i>	1977-Ande3 0908
1977	Ishiwari, R. Shiomi, N. Shirai, S. 'Stopping Powers for Protons in 16 Metallic Elements' <i>Bull. Inst. Chem. Res. Kyoto Univ., 55, 60-61 (1977)</i> <i>Comment : S. (3-9 MeV) H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au</i>	1977-Ishi 1102
1977	Mertens, P. 'Energy Loss of Light 100 - 300 keV Ions in Thin Metal Foils' <i>Nucl. Inst. Methods, 149, 149-153 (1978)</i> <i>Comment : S, dS.H, He, Li, Be, B, C, N, O, F, Ne (300 keV) -> C, Ni, Co, Nb. 300 keV He, Ne, F, O, N -> C, Al, Ti, Mn, Fe, Co, Ni, Cu, Nb, Ag, Au</i>	1977-Mert 0928
1977	Pape, A. Hage-Ali, M. Refaei, S. M. Siffert, P. Cooperman, E. L. 'Stopping Power and Stragglng of H and 4He in ZnTe and CdTe' <i>Rad. Effects, 33, 193-197 (1977)</i> <i>Comment : S, dS. 500-2800 keV H, He -> ZnTe, CdTe</i>	1977-Pape 0947
1978	Andersen, H. H. Knudsen, H. Martini, V. 'An Improved Method for Measuring Relative Stopping Powers of Light Ions in Solids' <i>Nucl. Inst. Methods, 149, 137-142 (1978)</i> <i>Comment : S. 200-2000 keV H, He -> Cu, Ag</i>	1978-Ande2 1132
1978	Averback, R. S. Benedek, R. Merkle, K. L. 'Correlations Between Ion and Neutron Irradiations: Defect Production and Stage I Recovery' <i>J. Nucl. Mater., 75, 162-166 (1978)</i> <i>Comment : S. 200-500 keV H, Ar, Bi -> Cu</i>	1978-Aver 1234

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1978	Biersack, J. P. Fink, D. Henkelmann, R. A. Muller, K. 'Range Profiles and Thermal Release of Helium Implanted into Various Metals' <i>Nucl. Inst. Methods, 149, 93 (1978)</i> <i>Comment : S,R,dR. 0.2-340 keV H, 3He -> Ni, Cu, Ag, Au, Pt, Be, Zr, Fe, Nb, Mo</i>	1978-Bier 1147
1978	Borgesen, P. Bottiger, J. Moller, W. 'Ranges of 10-30 keV Deuterons Implanted into Solids' <i>J. Appl. Phys., 49, 4401-4405 (1978)</i> <i>Comment : R, dR. 10-30 keV D -> C, Al, Ni, Zr</i>	1978-Borg 1191
1978	Brice, D. K. Langley, R.A. 'Analysis of Straggling Measurements by the Backscattering Technique' <i>Nucl. Inst. Methods, 149, 191-194 (1978)</i> <i>Comment : dS. 1.8 - 2.1 MeV H -> C</i>	1978-Bric 1117
1978	Eckardt, J. C. Lantschner, G. Arista, N. R. Baragiola, R. A. 'Electronic Stopping of Slow Molecular Ions in Solids' <i>J. Phys. C: Sol. State Phys., 11, L851-855 (1978)</i> <i>Comment : S. 12.5-130 keV/amu H, 2H -> C, Al</i>	1978-Ecka 1157
1978	Gertner, I. Meron, M. Rosner, B. 'Electronic Energy Loss of Ions in Solids in the Energy Range 10-10000 keV/amu' <i>Phys. Rev. A, 18, 2022-2029 (1978)</i> <i>Comment : S. 80-8000 keV H, D -> C, Cr, Ni, Cu</i>	1978-Gert 1131
1978	Kalz, D. Kreysch, G. Muller-Jahreis, U. 'Energy Loss Straggling of Low-Energy Protons in Carbon' <i>Rad. Effects, 36, 119-121 (1978)</i> <i>Comment : S, dS. 20-100 keV H -> C</i>	1978-Kalz 1108
1978	Langley, R. A. Blewer, R. S. Roth, J. 'Behaviour of Implanted D and He in Pyrolytic Graphite' <i>J. Nucl. Mater., 76 and 77, 313-321 (1978)</i> <i>Comment : R, dR. 8 keV 2H, He -> Graphite</i>	1978-Lang 1167
1978	Langley, R. A. Brice, D. K. 'Energy Straggling of Protons in Carbon' <i>Nucl. Inst. Methods, 149 (1978)</i> <i>Comment : dS. 1.8-2.2 MeV H -> C</i>	1978-Lang2 1118
1978	Langley, R. A. Brice, D. K. 'Energy Straggling of Protons in Be, C, Al, Si' <i>Phys. Rev. B, 18, 4673 (1978)</i> <i>Comment : dS. (.5-2.5 MeV) H -> Be, C, Al, Si</i>	1978-Lang3 1149

Citations for Ion = **H** , Target = **C**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Num
1978	Marshall, R. E. ElFiqi, A. R. Kliwer, J. K. 'Measurement of Stopping Powers using Ion-Induced X-Ray Emission' <i>Nucl. Inst. Methods, 150, 241-245 (1978)</i> <i>Comment : S. 100 keV H -> Sc, Ni, Cu, Ge</i>	1978-Mars 1085
1978	Nyaiesh, A. R. Steckelmacher, W. Lucas, M. W. 'Energy Loss of Fast H ₂ Molecules in Solids: II' <i>J. Phys. C: Sol. State Phys., 11, 2917 (1978)</i> <i>Comment : S. H (100-300 keV) -> C</i>	1978-Nyai 1730
1978	Sakamoto, N. Shiomi, N. Ishiwari, R. Miyajima, J. 'Energy Straggling of 6.74 MeV Protons in Cu' <i>Bull. Inst. Chem. Res. Kyoto Univ., 56, 20-26 (1978)</i> <i>Comment : S, dS. 6.74 MeV H -> Cu</i>	1978-Saka 1170
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	Gloeckler, G. Hsieh, K. C. 'Time-of-Flight Technique for Particle Identification at Energies 2-400 keV/amu' <i>Nucl. Inst. Methods, 165, 537-544 (1979)</i> <i>Comment : S. H, He, C, N, Ne, Ar (3-100 keV/amu) -> C</i>	1979-Gloe 1653
1979	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Stopping Powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt and Au for 67.5 MeV Protons.' <i>Phys. Letters, 75A, 112-114 (1979)</i> <i>Comment : S. 6.5- 7 MeV H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au</i>	1979-Ishi2 1349
1979	Kliwer, J. ElFiqi, A. R. 'Application of Ion Induced X-Ray Emission for the Measurement of Stopping Powers' <i>IEEE Trans. Nucl. Sci., NS-26, 1323-1325 (1979)</i> <i>Comment : S. H (100 keV) -> Hf, Sm, Ti, Cr</i>	1979-Kliw 1692
1979	Laubert, R. 'Collisional Atomic Physics with Molecular Projectiles' <i>IEEE Trans. Nucl. Sci., NS-26, 1020 (1979)</i> <i>Comment : S. H₂, HeH (50-300 keV) -> C. Angular stopping powers for incident molecular beams.</i>	1979-Laub 1699
1979	Luomajarvi, M. 'Stopping Powers of Some Metals for 0.3-1.5 MeV Protons.' <i>Rad. Effects, 40, 173-179 (1979)</i> <i>Comment : S. 0.3-1.5 MeV H -> Al, Ti, Ni, Cu, Zn, Mo, Ag, Ta, W, Au</i>	1979-Luom 1205

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1979	Overbury, S. H. Dittner, S. H. Datz, S. Thoe, R. S. 'Energy Loss, Angular Distributions and Charge Fractions of Low Energy Hydrogen Transmitted Through Thin Carbon Foils' <i>Rad. Effects, 41, 219 (1979)</i> <i>Comment : S. H(0-3 keV) -> C</i>	1979-Over 1733
1979	Varelas, C. 'Stopping Powers of Helium and Deuterium in Gold and Carbon' <i>Preprint (1979) 13</i> <i>Comment : S. 30-220 keV 2H, He -> Au, C</i>	1979-Vare 1256
1980	Bednyakov, A. A. Bulgakov, Y. V. Nikolaev, V. S. Chernov, V. L. 'Energy Losses and their Stragglings for H and He Ions with Energies of Several Hundreds of keV on Passage through Metal and Polystyrenen Films' <i>Sov. Phys., JETP 51, 954 (1980)</i> <i>Comment : S, dS. H, He (120-1300 keV) -> Al, Cu, Ag, Au, polystyrene</i>	1980-Bedn 1615
1980	Fearick, R. W. Sellschop, J. P. F. 'Energy Loss of Light Ions in Diamonds' <i>Nucl. Inst. Methods, 168, 51-55 (1980)</i> <i>Comment : S, dS. 2-24 MeV H, He, Li -> C</i>	1980-Fear 1311
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 1542
1980	Knudsen, H. Andersen, H. H. Martini, V. 'Hydrogen and Helium Stopping Powers of Rare-Earth Metals' <i>Nucl. Inst. Methods, 168, 41-50 (1980)</i> <i>Comment : S. H, He (0.2-2.0 MeV) -> La, Ce, Pr, Gd, Dy, Ho, Er, Yb, Sn, Bi</i>	1980-Knud 1410
1980	Mertens, P. Krist, Th. 'Stopping Ratios of 50-300 keV Light Ions in Metals' <i>Nucl. Inst. Methods, 168, 33-39 (1980)</i> <i>Comment : S, dS. 30-300 keV H, He, Li, Be -> C, Al, Cu, Ag, Au</i>	1980-Mert 1313
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

Citations for Ion = **H** , Target = **C**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1980	Sofield, C. J. Cowern, N. E. B. Freeman, J. M. 'Charge-Exchange Effects in Energy-Loss Straggling' <i>Nucl. Inst. Methods, 170, 221-225 (1980)</i> <i>Comment : R, dR. 0-50 MeV Atomic Numbers 1-16 -> Al</i>	1980-Sofi 1378
1981	Astner, G. Mannervik, S. Veje, E. 'Stopping of D Relative to H in Carbon, 50-150 keV/amu' <i>Nucl. Inst. Methods, 188, 475-476 (1981)</i> <i>Comment : S, H, D (50-150 keV/amu) -> C (Relative stopping)</i>	1981-Astn 1599
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' <i>Phys. Stat. Sol. A, 68, 187 (1981)</i> <i>Comment : S, dS. H, He (70-1200 keV) -> Al, C, Polystyrene</i>	1981-Bedn 1958
1981	Cecil, F. E. Fahlsing, R. F. Nelson, R. A. 'The Reaction Li6(d,n-gamma)Be7 and the Energy Loss of Low Energy Deuterons in Matter' <i>IEEE Trans. Nucl. Sci., NS-28, 1286 (1981)</i> <i>Comment : S, D (80-160 keV) -> Cl, F Relative stopping powers.</i>	1981-Ceci 1632
1981	Pearce, J. D. Hart, R. R. 'Stopping Power Measurements in the 20-150 keV Region using Thick Target Backscattering: H and He on C, Si and Au' <i>J. Appl. Phys., 52, 5056 (1981)</i> <i>Comment : S, H, He (20-150 keV) -> C, Si, Au</i>	1981-Pear 1736
1981	Santry, D. C. Werner, R. D. 'Stopping Powers of C, Al, Si, Ti, Ni, Ag and Au for Deuterons' <i>Nucl. Inst. Methods, 188, 211 (1981)</i> <i>Comment : S, D (0.2-2.0 MeV) -> C, Al, Si, Ti, Ni, Ag, Au</i>	1981-Sant 1756
1982	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Stopping Powers of Metallic Elements for 6.75 MeV Protons' <i>Nucl. Inst. Methods, 194, 61-65 (1982)</i> <i>Comment : S. 6.5- 7 MeV H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au</i>	1982-Ishi 1675
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' <i>Phys. Rev. A, 25, 2524 (1982)</i> <i>Comment : S, H (7 MeV) -> Be, Al, Ag, Mylar, Cellophane (Angular effects)</i>	1982-Ishi2 1676

Citations for Ion = **H** , Target = **C**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1982	Kreussler, S. Varelas, C. Sizmann, R. 'Electronic Stopping Power and Effective Charge of 50- to 230 keV D and He in C, Al, Au and Cs' <i>Phys. Rev. B, 26 (11), 6099-6103 (1982)</i> <i>Comment : S. D, He (50-230 keV) -> C, Al, Cs, Au</i>	1982-Kreu 1416
	Mertens, P. Krist, Th. 'Stopping Ratios of 50 - 300 keV Light Ions in Metals' <i>Nucl. Inst. Methods, 194, 57 (1982)</i> <i>Comment : S. 50-300 keV H, He, Li, Be -> C, Al, Cu, Ag, Au</i>	1982-Mert 1133
1982	Mertens, P. Krist, Th. 'Electronic Stopping Cross-sections for 30 - 300 keV Protons in Materials with $23 < Z < 30$ ' <i>Nucl. Inst. Methods, 194, 57-60 (1982)</i> <i>Comment : S. H (30-300 keV) -> (23 <= Z <= 30)</i>	1982-Mert2 1393
	Mertens, P. Krist, Th. 'Stopping Ratios for 30 - 300 keV Ions with $1 <= Z <= 5$ ' <i>J. Appl. Phys., 53 (11), 7343 - 7349 (1982)</i> <i>Comment : S. H, He, Li, Be, B (30-330 keV) -> C, V, Cr, Fe, Ni, Zn</i>	1982-Mert3 1394
1983	Aumayr, F. Bauer, P. Semrad, D. 'Accuracy of Stopping Cross Section Determination from RBS Spectray by Wartners' Method' <i>Nucl. Inst. Methods, 212, 529 (1983)</i> <i>Comment : S. H (60-1000 keV) -> Al, Cu, Ag, Au,</i>	1983-Auma 1600
	Baumgart, H. Berg, H. Huttel, E. Clausnitzer, G. 'Proton Stopping Cross-Sections and Mean Excitation Energies for Gaseous Cl ₂ and Br ₂ ' <i>Phys. Rev. A, 28 (5), 3109-3111 (1983)</i> <i>Comment : S. H (50-750 keV) -> Cl, Br (gases)</i>	1983-Baum2 1420
1983	Kido, Y. Hioki, T. 'Measurements of Energy Loss and Stragglng for Fast H in Metals and their Compounds by Means of a Nuclear Resonant Reaction' <i>Phys. Rev. B, 27, 2667 (1983)</i> <i>Comment : S, dS. H (600-1000 keV) -> Al, Cu, AlCu, Ti, TiO₂, O, Ti, Se, In, Sb, InO, TiO</i>	1983-Kido 1691
	Krist, Th. Mertens, P. 'Stopping Ratios for 30-330 keV Light Ions in Materials with $57 <= Z <= 83$ ' <i>Nucl. Inst. Methods, 218, 821-826 (1982)</i> <i>Comment : S. H, He, Li (50-300 keV) -> C, Al, Cu, Ag, Au</i>	1983-Kris 1312

Citations for Ion = **H** , Target = **C**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1983	Sakamoto, N. Shiomi, N. Ishiwari, R. 'Geometrical Effect on the Measurement of Stopping Power: Angle-Dependent Energy Loss of 7 MeV Protons in Cu Foils and Computer Simulations' <i>Phys. Rev. A, 27, 810 (1983)</i> <i>Comment : S. H (7 MeV) -> Cu (Angular effects)</i>	1983-Saka 1750
1983	Semrad, D. Bauer, P. Aumayer, F. Huber, P. Obermann, W. 'Search for an Influence of the Measuring Method on Stopping Cross Section Data Near the Maximum' <i>Nucl. Inst. Methods, 218, 811-816 (1983)</i> <i>Comment : S. H,D (70 - 550 keV/amu) -> Cu Review of experimental methods of measuring stopping powers.</i>	1983-Semr 1763
1983	Steuer, M. F. Gemmell, D. S. Kanter, E. P. Johnson, E. A. Zabransky, B. J. 'Stopping Power for Fast Nitrogen and Oxygen Diclusters in Carbon' <i>IEEE Trans. Nucl. Sci, NS-30, 1069-1073 (1983)</i> <i>Comment : S. H, He, N, O (1-3.6 MeV) -> C. Molecular energy loss differences.</i>	1983-Steu 1774
1984	Bauer, P. Aumayer, F. Semrad, D. Scherzer, B. M. U. 'Measurement of the Stopping Cross Sections for Protons in Copper by Backscattering using Various Methods for Foil-Thickness Determination' <i>Nucl. Inst. Methods, B1, 1 (1984)</i> <i>Comment : S. H(60-500 keV) -> Cu</i>	1984-Baue 1609
1984	Bauer, P. Semrad, D. Golser, R. 'Investigation of Hydrogen Stopping in Noble Metals around the Stopping Power Maximum' <i>Nucl. Inst. Methods, B2, 149 (1984)</i> <i>Comment : S. H, D (50-500 keV/amu) -> Cu, Ag, Au</i>	1984-Baue2 1610
1984	Baumgart, H. Berg, G. Huttel, E. Praff, E. Reiter, G. 'Proton and Helium Stopping Cross Sections in Cl2 and Br2' <i>Nucl. Inst. Methods, B2, 145-148 (1984)</i> <i>Comment : S. H, He (50-1000 keV) -> Cl, Br (gases)</i>	1984-Baum2 1414
1984	Eckardt, J. C. Lantschner, G. H. Jakas, M. M. Ponce, V. H. 'The Correlation Between Inelastic Energy Loss and Scattering angle in Transmission Experiments' <i>Nucl. Inst. Methods, B2, 168-172 (1984)</i> <i>Comment : S. H, He (50-200 keV) -> C, Al (S vs. transmission angle)</i>	1984-Ecka 1438
1984	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Stopping Powers of Zr, Pd, Cd, In, and Pb for 6.5 MeV Protons and Mean Excitation Energies' <i>Nucl. Inst. Methods, B2, 195 (1984)</i> <i>Comment : S. H (6.5 MeV) -> Zr, Pd, Cd, In, Pb (mean ionization energies)</i>	1984-Ishi2 1678

Citations for Ion = **H**, Target = **C**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1984	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Geometrical Effect on the Measurement of Stopping Powers: Angle-Dependent Energy Loss of 7 MeV Protons in Be, Al, Cu, Ag and Ta' <i>Phys. Rev. A, 30, 82 (1984)</i> <i>Comment : S. H (7 MeV) -> Be, Al, Cu, Ag, Ta (Angular effects)</i>	1984-Ishi3 1679
1984	Krist, Th. Mertens, P. 'Application of Brandt's Effective Charge Theory to Measurements for 50-350 keV Ions with $1 \leq Z_1 \leq 5$ ' <i>Nucl. Inst. Methods, B2, 119-122 (1984)</i> <i>Comment : S. H, He, Li, Be, B (50-350 keV) -> C, Al, V, Cr, Fe, Ni, Cu, Zn, Ag, Pt, Au, Bi</i>	1984-Kris 1467
1984	Lennard, W. N. Phillips, D. Mitchell, I. V. Andrews, H. R. Ward, D. 'Search for Pre-Equilibrium Stopping for He Ions in Thin Carbon Foils' <i>Nucl. Inst. Methods, B2, 116 (1984)</i> <i>Comment : S. H, He (270-620 keV) -> C (thickness effects)</i>	1984-Lenn 1703
1984	Schou, J. Sorensen, H. Andersen, H. H. Nielsen, M. Rune, J. 'Range Measurements of keV Hydrogen Ions in Solid Oxygen and Carbon Monoxide' <i>Nucl. Inst. Methods, B2, 159-163 (1984)</i> <i>Comment : R. H, D (1.3-3.5 keV/amu) -> H2, CO (solids)</i>	1984-Scho 2098
1984	Shchuchinsky, J. Peterson, C. 'Stopping Power and Energy Loss Stragglings of Slow Protons Moving in C, Al, and Au; Effective Charge Fractions and Stragglings of Heavy Ions' <i>Rad. Effects, 81, 221-229 (1984)</i> <i>Comment : S, dS. H (8-300 keV) -> C, Al, Au</i>	1984-Shch 1426
1984	Sirotnin, E. I. Tulinov, A. F. Khodyrev, V. A. Mizgulin, V. N. 'Proton Energy Loss in Solids' <i>Nucl. Inst. Methods, B4, 337 (1984) -1</i> <i>Comment : S. H (0.1-6.0 MeV) -> Al, Si, Sc, V, Cu, Zn, Ga, Ge, Y, Zr, Nb, Mo, Ag, Cd, In, Sn, La, Sm, Gd, Yb, Hf, Ta, W, Pt, Au, Pb</i>	1984-Siro 1770
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 1786
1985	Bauer, P. Semrad, D. Mertens, P. 'The Influence of Different Experimental Methods on the Measured Energy Dependence of Stopping Powers' <i>Nucl. Inst. Methods, B12, 56 (1985)</i> <i>Comment : S. H (50-700 keV) -> Cu</i>	1985-Baue 1611

Citations for Ion = **H** , Target = **C**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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
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) -> AZ111, PMMA, Epoxy, C, Li, PMCN</i>	1985-Fink 2114
1985	Schulz, F. Shchuchinsky, J. 'Proton Stopping Cross Sections for C, Al and Au: New Experimental Data and Critical Analysis of the Validity of Empirical Fit Formulas' <i>Nucl. Inst. Methods, B12, 90-94 (1985)</i> <i>Comment : S. H (8-300 keV) -> C, Al, Au</i>	1985-Schu 1433
1986	Ishiwari, R. Sakamoto, N. Ogawa, H. 'Geometric Effect on the Measurement of Stopping Powers: Angle-Dependent Energy Loss of Protons in Cu in the Energy Range from 3-7 MeV' <i>Nucl. Inst. Methods, B13, 111 (1986)</i> <i>Comment : S. H(3-7 MeV) -> Cu (angular effects)</i>	1986-Ishi 1681
1986	Mertens, P. 'Experiments on the Difference between Most Probable and Mean Energy Loss for Foil Transmitted Protons' <i>Nucl. Inst. Methods, B13, 91 (1986)</i> <i>Comment : S,dS. H (100-300 keV) -> C (angular effects)</i>	1986-Mert 1719
1986	Mertens, P. Bauer, P. Semrad, D. 'Proton Stopping Powers in Al, Ni, Cu, Ag and Au Measured Comparatively on Identical Targets in Backscattering and Transmission Geometry' <i>Nucl. Inst. Methods, B15, 91-95 (1986)</i> <i>Comment : S. H, D (30-600 keV) -> Al, Ni, Cu, Ag, Au</i>	1986-Mert2 1434
1986	Mertens, P. Krist, Th. 'The Influence of Foil Inhomogeneities on the Angular Dependence of Experimental Stopping Cross Sections' <i>Nucl. Inst. Methods, B13, 95 (1986)</i> <i>Comment : S. H, He, N (300 keV) -> C (thickness effects)</i>	1986-Mert3 1721

Citations for Ion = **H**, Target = **C**

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1986	Semrad, D. Mertens, P. Bauer, P. 'Reference Proton Stopping Cross Sections for Five Elements around the Maximum' <i>Nucl. Inst. Methods, B15, 86-90 (1986)</i> <i>Comment : S. H (30-700 keV) -> Al, Ni, Cu, Ag, Au</i>	1986-Semr3 1474
1987	Geissel, H. Winterbon, K. B. Lennard, W. N. 'Small Angle Energy Loss Measurements for H and He Ions in Carbon' <i>Nucl. Inst. Methods, B27, 333 (1987)</i> <i>Comment : S. H, He (0.5-7.0 MeV) -> C (angular effects)</i>	1987-Geis 1652
1987	Mertens, P. 'How to Measure Absolute Stopping Cross Sections by Backscattering and by Transmission Methods' <i>Nucl. Inst. Methods, B27, 315-322 (1987)</i> <i>Comment : S. H (20-700 keV) -> C, Al</i>	1987-Mert 1485
1987	Niiler, A. 'Stopping Power Uncertainty Effects in Thick Target RBS Analysis' <i>Nucl. Inst. Methods, B24/25, 358 (1987)</i> <i>Comment : S. H (0.2-1.0 MeV) -> Cu, Ni, Al (RBS simulation)</i>	1987-Niil 1729
1988	Ishiwari, R. Shiomi, Tsuda, N. Sakamoto, N. 'Stopping Powers of Al and Cu for Protons from 3-9 MeV' <i>Nucl. Inst. Methods, B35, 118 (1988)</i> <i>Comment : S. H(3-9 MeV) -> Al, Cu (mean excitation energies)</i>	1988-Ishi 1683
1988	Ishiwari, R. Shiomi-Tsuda, N. Sakamoto, N. 'Stopping Powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, TA, Pt and Au for 6.5 MeV Protons' <i>Nucl. Inst. Methods, B31, 503 (1988)</i> <i>Comment : S. H (6.5 MeV) -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au (mean excitation energies)</i>	1988-Ishi2 1682
1988	Sakamoto, N. Shiomi, N. Ogawa, H. Ishiwari, R. 'Magnitude of the Z1*3 Correction and the Values of Mean Excitation Potential for 21 Metallic Elements' <i>Nucl. Inst. Methods, B33, 158 (1988)</i> <i>Comment : S. H, He (6.5 MeV) -> Be, Ti, Fe, Ni, Zn, Mo, Pd, Cd, Sn, Pt, Pb (mean ionization energies)</i>	1988-Saka 1752
1988	Wilson, R. G. 'Ion Implantation and SIMS Profiling of Impurities in II-VI Materials HgCdTe and CdTe' <i>J. Crystal Growth, 86, 735-743 (1988)</i> <i>Comment : R, dR. 52 Ions (H-Hg) at 100-700 keV -> CdTe, HgCdTe</i>	1988-Wils2 1445

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1990	Bauer, P. 'Stopping Power of Light Ions near the Maximum' <i>Nucl. Inst. Methods, B45, 673 (1990)</i> <i>Comment : S. H, H- (30-700 keV) -> C, Al, Si, Ni, Cu, Ag, Au, SiO2, HC2, Al2O3</i>	1990-Baue 1608
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
1991	Ray, E. M. 'Penetration d'Agregats d'Hydrogene de 10 a 120 keV/u dans des Feuilles Minces.' <i>Univ. Lyon (France) Rpt.: LYCEN-T/9123, 1-135 (1991)</i> <i>Comment : S. H (clusters) (0-120 keV/amu) -> C</i>	1991-Ray 1886
1991	Sakamoto, N. Ogawa, H. Mannami, M. Kimura, K. Susuki, Y. 'Stopping Powers of Metallic Elements for High Energy Ions' <i>Rad. Effects, 117, 193-195 (1991)</i> <i>Comment : S. H (55-73MeV), He (13 MeV/amu), C (13 MeV/amu) -> Al, Ti, Mo, Sn, Ta, Au, Pb, Cu, Ag, Pt</i>	1991-Saka 1753
1992	Bichsel, H. Hiraoka, T. 'Energy Loss of 70 MeV Protons in Elements' <i>Nucl. Inst. Methods, B66, 345-351 (1992)</i> <i>Comment : S. H (70 MeV) -> C, H2O, SiO2, Al, Si, Ti, Cr, Fe, Co, Ni, Cu, Zn, Zr, Nb, Mo, Ag, Cd, In, Sn, Ta, W, Pb</i>	1992-Bich2 1624
1992	Eppacher, Ch. Semrad, D. 'Dependence of Proton and Helium Energy Loss in Solids upon Plasma Properties' <i>Nucl. Inst. Methods, B69, 33-38 (1992)</i> <i>Comment : S. H, He (20-250 keV/amu) -> Au, Cr, Ag, Al, Ge, Sn, Pb</i>	1992-Eppa2 2161
1992	Golser, R. Eppacher, Ch. Semrad, D. 'Energy Loss of Hydrogen Projectiles below the Bohr Velocity in Amorphous Carbon' <i>Nucl. Inst. Methods, B67, 69-72 (1992)</i> <i>Comment : S. H(0.35-0.63 Vo) -> C</i>	1992-Gols 1896
1992	Lapin, S. N. Cooper, G. W. Davis, L. Bailey, J. E. Stygar, W. A. 'Range and Straggling Effects on CR-39 Range Filter Ion Energy Measurements' <i>Rev. Sci. Inst., 63, 4895-4897 (1992)</i> <i>Comment : S, dS, R. H(8, 15 MeV) -> CR-39 (with filters)</i>	1992-Lapi 1883

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1992	Matsunami, N. Kitoh, K. 'Energy Distribution of 100 keV H+ in Thin Carbon Films' <i>Nucl. Inst. Methods, B67, 50-52 (1992)</i> <i>Comment : S. H(100 keV) -> C (very thin targets)</i>	1992-Mats 1897
1993	Necas, V. Kaferbock, W. Rossler, W. Bauer, P. 'Electronic Stopping of Hydrogen Ions in Graphite and Amorphous Carbon' <i>Nucl. Inst. Methods, B80/81, 41-44 (1993)</i> <i>Comment : S. H (25-150 keV/amu) -> C (graphite and evap. carbon)</i>	1993-Neca 2059
1994	Avdeichikov, V. V. Bergholt, L. Guttormsen, M. Taylor, J. E. Westerberg, L. 'Light Output and Energy Resolution of CsI, YAG, GSO, BGO, LSO Scintillators for Light Ions' <i>Nucl. Inst. Methods, A349, 216-224 (1994)</i> <i>Comment : S. H, D, He (3-20 MeV/amu)-> CsI, YAG, GSO, BGO, LSO Scintillators</i>	1994-Avde 2074
1994	Benka, O. Steinbauer, E. Bauer, P. 'Kinetic Electron Emission Yield induced by H and He Ions versus Stopping Power for Al, Cu, Ag and Au' <i>Nucl. Inst. Methods, B90, 64-66 (1994)</i> <i>Comment : S. H, He (0.5-4.8 MeV) -> Al, Cu, Ag, Au Electron emission effects.</i>	1994-Benk 2045
1994	Raisanen, J. Rauhala, E. Fulop, Z. Kiss, A. Z. Somorjai, E. 'Stopping Powers of CR-39 Nuclear Track Material for Z=1-14 Ions with 0.25-2.8 MeV/amu' <i>Rad. Meas. (UK), 23, 749-752 (1994)</i> <i>Comment : S. Z=1-14 (0.25-2.8 MeV/amu) -> CR-39</i>	1994-Rais2 1356
1994	Shiomi Tsuda, N. Sakamoto, N. Ishiwari, R. 'Stopping Powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt and Au for 13 MeV Deuterons' <i>Nucl. Inst. Methods, B93, 391-398 (1994)</i> <i>Comment : S. D (13 MeV) -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au</i>	1994-Shio 2051
1995	Baiocchi, P. Cecchini, S. Dekhissi, H. Garutti, V. Giacomelli, G. 'Calibration with Relativistic and Low Velocity Ions of a CR-39 Nuclear Track Detector' <i>Rad. Meas. (UK), 25, 145-150 (1995)</i> <i>Comment : S,R. H (50 keV) to Au (11.3 GeV) -> CR-39</i>	1995-Baio 1845
1995	Susuki, Y. Fritz, M. Kimura, K. Mannami, M. Sakamoto, N. 'Energy Loss and Dissociation of 10 MeV/amu H-3 Ions in Carbon Foils' <i>Phys. Rev. A, 51, 3868-3872 (1995)</i> <i>Comment : S. H-3 (9.6 MeV/am) -> C</i>	1995-Susu 1848

Citations for Ion = **H** , Target = **C**

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1996	Kaneko, T. 'Energy Loss and Stragglings of Molecular Ions Moving in Solids' <i>Nucl. Inst. Methods, B115, 43-46 (1996)</i> <i>Comment : S, H, D, T (1 keV- 10 MeV/amu) -> C, Ag</i>	1996-Kane 1818
	Matsunami, N. 'Energy Loss Distribution of H ₂ with 100 keV in Thin Carbon Films' <i>Nucl. Inst. Methods, B115, 55-57 (1996)</i> <i>Comment : S, dS, H₂ (100 keV) -> C</i>	1996-Mats 1817
1996	Sakamoto, N. Ogawa, H. Shiomi Tsuda, N. 'Stopping Powers of Carbon for Protons from 4 to 13 MeV' <i>Nucl. Inst. Methods, B115, 84-87 (1996)</i> <i>Comment : S, H (4-13 MeV) -> C</i>	1996-Saka 1996
	Kaferbock, W. Rossler, W. Necas, V. Bauer, P. Arnau, A. 'Comparative Study of the Stopping Power of Graphite and Diamond' <i>Phys. Rev. B, 55, 13276-13279 (1997)</i> <i>Comment : S, H, He (20 - 80 keV/u) -> C (graphite and diamond)</i>	1997-Kafe 2367
1997	Vakevainen, K. 'Stopping Cross Sections of ZnSe, Zn and Cu for H, He and Li Ions' <i>Nucl. Inst. Methods, B122, 187-193 (1997)</i> <i>Comment : S, H, He, Li (0.4-8.9 MeV) -> ZnSe, Zn, Cu</i>	1997-Vake 2163
	Susuki, Y. Fritz, M. Kimura, K. Mannami, M. Garcia-Molina, R. 'Energy Loss of Fragment Protons Dissociated from 0.2 and 0.5 MeV/u H ₂ Ions Incident in Carbon Foils' <i>Phys. Rev. A, 62, 012902 (2000)</i> <i>Comment : S, H (0.2 - 0.5 MeV/u) -> C</i>	2000-Susu 2353
2002	Andersen, H.H. Csete, A. Ichioka, T. Knudsen, H. Moller, S.P. 'An Apparatus to Measure Stopping Powers for Low-Energy Antiprotons and Protons' <i>Nucl. Inst. Methods, B194, 217-225 (2002)</i> <i>Comment : S, H and H- -> C, Al, Ni, Au</i>	2002-Ande 3134
	Trzaska, W. H. Lyapin, V. Alanko, T. Mutterer, M. Raisanen, J. 'New Approach to Energy Loss Measurements' <i>Nucl. Inst. Methods, B195, 147-165 (2002)</i> <i>Comment : S, Ar, Si, O, He, H -> Au, Ni, C, Havar</i>	2002-Trza 3140