

Stopping for Ion : H , Target = Si

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1962	Ewing, R. I. 'Response of Silicon Surface Barrier Detectors to Hydrogen Ions of Energies 25 to 250 keV' <i>IEEE Trans. Nucl. Sci., NS-09, No. 3, 207-10 (1962)</i> Comment : S. Rel. To H+. (70 keV/amu) H+2, H+3 -> Si	1962-Ewin 0153
1964	Dearnaley, G. 'The Channeling of Ions through Silicon Detectors' <i>IEEE Trans. Nucl. Sci., NS-11, 249-53 (1964)</i> Comment : S, dS. 2 MeV H -> Si (Cryst.)	1964-Dear 0171
1964	Erginsoy, C. Wegner, H. E. Gibson, W. M. 'Anisotropic Energy Loss of Light Particles of MeV Energies in Thin Silicon Single Crystals' <i>Phys. Rev. Letters, 13, 530-34 (1964)</i> Comment : S, dS. 2.8 MeV H -> Si (Cryst.)	1964-Ergi 0189
1965	Appleton, B. R. Erginsoy, C. Wegner, H. E. Gibson, W. M. 'Axial and Planar Effects in the Energy Loss of Protons in Silicon Single Crystals' <i>Phys. Letters, 19, 185-86 (1965)</i> Comment : S, dS. 4.85 MeV H -> Si (Cryst.)	1965-AppI 0224
1965	Grew, G. W. 'Cyclotron Tests to Determine the Response of Solid-State Detectors to Protons of Energies 50 to 160 MeV for Use in a Proton Spectrometer' <i>IEEE Trans. Nucl. Sci., NS-12, 308-13 (1965)</i> Comment : S,dS. 50-160 MeV H -> Si	1965-Grew 0515
1965	Wegner, H. E. Appleton, B. R. Erginsoy, C. Gibson, W. M. 'Axial and Planar Effects in the Energy Loss of Protons in Silicon Single Crystals' <i>Phys. Letters, 19, 187-89 (1965)</i> Comment : S,dS. 4.85 MeV H -> Si (Cryst.)	1965-Wegn 0595
1966	Appleton, B. R. Altman, M. Feldman, L. C. Gibson, W. M. Erginsoy, C. 'Least Energy Loss and Its Dispersion for pChanneledp Protons in Silicon and Germanium Single Crystals' <i>Bull. Am. Phys. Soc., 11, 176 (1966)</i> Comment : S, dS. 3-11 MeV H -> Si, Ge (Both Cryst.)	1966-AppI 0257
1966	Eisen, F. H. 'Channeling of 375 keV Protons through Silicon' <i>Phys. Letters, 23, 401-02 (1966)</i> Comment : S, dS. 375 keV H -> Si (Cryst.)	1966-Eise 0275

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1966	Lander, R. L. Mehlhop, W. A. Lubatti, H. J. Schnurmacher, G. L. 'Solid-State Devices as Detectors of High-Energy Interactions' <i>Nucl. Inst. Methods</i> , 42, 261-68 (1966) <i>Comment</i> : dS. 760 MeV H -> Si	1966-Land 0423
1967	Remillieux, J. Samueli, J. J. Sarazin, A. 'Etude Des Effets Directionnels Dans La Transmission De Protons De 2 MeV a Travers Un Monocristal De Silicium' <i>J. Physique</i> , 28, 832-38 (1967) <i>Comment</i> : S, dS. 2 MeV H -> Si (Cryst.)	1967-Remi 0602
1968	Mannami, M. Fujimoto, F. Ozawa, K. 'Anomalous Energy Losses of 1.5 MeV Protons Channeled in Silicon Single Crystals.' <i>Phys. Letters A</i> , 26, 201-02 (1968) <i>Comment</i> : S, dS. 1.5 MeV H -> Si (Cryst.)	1968-Mann 0320
1968	Sattler, A. R. Dearnaley, G. 'Channeling in Diamond-Type and Zinc-Blende Lattices: Comparative Effects in Channeling of Protons and Deuterons in Ge, GaAs, and Si' <i>Phys. Rev.</i> , 161, 244-52 (1967) (<i>Erratum, Phys. Rev.</i> , 165, 750 (1968)) <i>Comment</i> : S. 4-7.6 MeV H, D -> Ge, GaAs, Si (All Cryst.)	1968-Satt 0308
1968	Shipatov, E. T. Kononov, B. A. 'Investigation of the Channeling of Protons in Single Crystals of Ionic Compounds and Semiconductors' <i>Izv. Vuz. Fiz. No. 9, 52-56 (1968). [Engl. Trans. Soviet Phys. J. No. 9, 46-49, (1968)]</i> <i>Comment</i> : S, dS. H (4.7-6.7 MeV) -> NaCl, KCl, KBr, Si, Ge (crystals)	1968-Ship2 0599
1968	Shipatov, E. T. Kononov, B. A. 'Energy Distribution of 6.72 MeV Protons Passing through Monocrystals.' <i>Atomnaya Energiya (USSR)</i> , 25, 439-40 (1968) [<i>Engl. Trans. Sov. Atom. Energy</i> , 25, 1254-55 (1968)]. <i>Comment</i> : S, dS. 6.72 MeV H -> NaCl, KCl, KBr, Si, Ge (All Cryst.)	1968-Ship3 0653
1969	Aitken, D. W. Lakin, W. L. Zulliger, H. R. 'Energy Loss and Straggling in Silicon by High-Energy Electrons, Positive Pions, and Protons' <i>Phys. Rev.</i> , 179, 393-98 (1969) <i>Comment</i> : S, dS. 29-300 MeV H, 50-200 MeV Pi+ -> Si	1969-Aitk 0385
1969	Arkhipov, 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

Stopping for Ion : H , Target = Si

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1969	Clark, G. J. Dearnaley, G. Morgan, D. V. Poate, J. M. 'The Stopping Power of Protons Channelled through Csi Crystals' <i>Phys. Letters A, 30, 11-12 (1969)</i> Comment : S. 4 MeV H -> Si (Cryst.)	1969-Clar 0127
1969	Shipatov, E. T. 'Energy and Angular Distributions of Protons Transmitted by Germanium and Silicon Single Crystals Along (110) and (100) Channels in the Crystal Lattice' <i>Fiz. Tekh. Poluprovodnikov, 2, 1690-91 (1968). [Engl. Trans. Sov. Phys. Semicond., 2, 1408-09 (1969)]</i> Comment : S, dS. 6.72 MeV H -> Si, Ge (Both Cryst.)	1969-Ship2 0654
1970	Kononov, B. A. Struts, V. K. 'Channeling of Protons in Silicon at Different Temperatures' <i>Izv. Vuz. Fiz. No. 6, 60-63 (1970). [Engl. Trans. Sov. Phys. J., 13, 738-61 (1970)]</i> Comment : S, dS. 6.72 MeV H -> Si (Cryst.)	1970-Kono 0646
1971	Chemin, J. F. Roturier, J. Petit, G. Y. 'Mesure par Reactions Nucleaires Resonantes du Relentissement et de la Dispersion en Energie de Protons' <i>J. Phys. (Paris), 32, 220 (1971)</i> Comment : S, dS. H (1-4 MeV) -> Si.	1971-Chem 1634
1971	DellaMea, G. Drigo, A. V. LoRusso, S. Mazzoldi, P. Bentini, G. G. 'Energy Loss of H, D, and 4He Ions Channeled through Thin Single Crystals of Silicon' <i>Phys. Rev. Letters, 27, 1194-96 (1971)</i> Comment : S. 0.9-5.0 MeV H, D, He -> Si Cryst. And Amorph.	1971-Dell 0132
1972	DellaMea, G. Drigo, A. V. LoRusso, S. Mazzoldi, P. 'Indirect Determination of the Energy Loss of Protons Channeled in Silicon Crystals' <i>Rendiconti Della Accademia Nationale Dei Lincei. Classe Di Scienze Fisiche Matematiche E Naturali. Ser. 8,, , 52, No. 5, P. 727-33 (1972)</i> Comment : S. 1600 keV H -> Si (Cryst.)	1972-Dell 0463
1972	Foster, C. Kool, W. H. VanDerWeg, W. F. Roosendaal, E. 'Random Stopping Power for Protons in Silicon' <i>Rad. Effects, 16, 139-40 (1972)</i> Comment : S. 120 keV H -> Si	1972-Fost 0466
1972	Sone, K. Fukusawa, F. 'Transmission of Fast Protons through Si Single Crystals' <i>Mem Fac. Eng. Kyoto Univ., 34, 325-32 (1972)</i> Comment : S, dS. 3 MeV H -> Si (Cryst.)	1972-Sone 0693

Stopping for Ion : H , Target = Si

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1973	Bottiger, J. Eisen, F. H. 'On Conversion from an Energy Scale to a Depth Scale in Channeling Experiments' <i>Thin Solid Films, 19, 239-246 (1973)</i> Comment : S. 0.2-0.4 MeV H -> Si (Cryst.)	1973-Bott 0507
1974	Bulgakov, Yu. V. Nikolaev, V. S. Shulga, V. I. 'The Experimental Determination of the Impact Parameter Dependence of Inelastic Energy Loss of Channeled Ions' <i>Phys. Letters A, 46, 477-78 (1974)</i> Comment : S, dS. 1.15, 1.75 MeV H, 5.7 MeV N -> Si (Cryst.)	1974-Bulg 0668
1975	DellaMea, G. Drigo, A. V. LoRusso, S. Mazzoldi, P. Bentini, G. G. 'Transmission Energy Loss of Protons Channeled in Thin Silicon Single Crystals of Medium Energy' <i>Datz, B. R. Appleton, C. D. Moak (Ed.): Atomic Collisions in Solids. Plenum N. Y., 75-76 (1975)</i> Comment : S. 50-300 keV H -> Si (Cryst.) Chann. To Random Ratio	1975-Dell 0574
1975	Eisen, F. H. Bottiger, J. 'Transmission Energy Spectra of Channeled Protons Scattered in Thin Silicon Films' <i>Atomic Collisions in Solids, Plenum Press, 919-27 (1975)</i> Comment : S,dS. 200, 400 keV H -> Si (Cryst.)	1975-Eise 0579
1975	Gotz, V. G. Klinge, K. D. Schwabe, F. 'Measurement of the Energy Loss in Thin Silicon Single Crystals' <i>Exp. Tech. Phys., 23, 167-169 (1975)</i> Comment : S. 0.7-1.6 MeV H -> Si	1975-Gotz 1017
1975	Gotz, G. Klinge, K. D. Finger, U. 'A Combination of Dechanneling and Energy Measurements of Protons in Thin Silicon Single Crystals.' <i>Atomic Collisions in Solids, Plenum Press, 693-716 (1975)</i> Comment : S. 0.7-1.8 MeV H -> Si (Cryst.) Chann. To Random Ratio.	1975-Gotz2 0577
1975	Melvin, J. D. 'Energy Loss of Light Ions Channeling in Silicon' <i>Ph.D., Cal. Inst. Tech., Unpublished (1975)</i> Comment : S, dS. 0.5-1.6 MeV H -> Si (110), (111), (211)	1975-Melv 1271
1975	Melvin, J. D. Tombrello, T. A. 'Energy Loss of Low Energy Protons Channeling in Silicon Crystals' <i>Rad. Effects, 26, 113-26 (1975)</i> Comment : S. 0.5-1.6 MeV H -> Si (Cryst.)	1975-Melv2 0757

Stopping for Ion : H , Target = Si

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1976	Grahmann, G. Kalbitzer, S. 'Nuclear and Electronic Stopping Powers of Low Energy Ions with Z <= 10 in Silicon' <i>Nucl. Inst. Methods, 132, 119-23 (1976)</i> Comment : S. 2-60 keV H, He, B, C, N, Ne -> Si	1976-Grah 0871
1976	Ligeon, E. Guivarc'H, A. 'Hydrogen Implantation in Silicon Between 1.5 - 60 keV.' <i>Rad. Effects, 27, 129-37 (1976)</i> Comment : S,R,dR. 1.5-60 keV H -> Si. S. 1.5-60 keV H, 2.0 MeV 11B -> Si	1976-Lige 0817
1977	Cembali, F. Zignani, F. 'Determination of Random and Aligned Stopping Powers for 80-300 keV Protons in Silicon by Backscattering Measurements' <i>Rad. Effects, 31, 169-173 (1977)</i> Comment : S. 80-300 keV H -> Si Single Crystal ([110], [100], [111], and Random)	1977-Cemb 1033
1977	Thompson, D. A. Robinson, J. E. Walker, R. S. 'Inelastic Stopping of Medium Energy Light Ions in Silicon' <i>Rad. Effects, 32, 169-175 (1977)</i> Comment : dS,R,dR. 10-80 keV H, He, Li, B, C, N, O, Ne -> Si	1977-Thom 1076
1978	Carnera, A. Della Mea, G. Drigo, A. V. Lo Russo, S. Mazzoldi, P. 'Channeled and Random Proton Stopping Power in Si in the 300-1000 keV Energy Range' <i>Phys. Rev. B, 17, 3492 (1978)</i> Comment : S. H (40-900 keV) -> Si. Channeled and Random stopping powers.	1978-Carn 1631
1978	Jarvis, O. N. Sherwood, A. C. Whitehead, C. Lucas, M. W. 'Channeling of Fast Protons, Deuterons and Alpha Particles' <i>Preprint (1978)</i> Comment : S, R, dR. 160 keV He, 81.5 keV D, 158.5 keV H -> Si	1978-Jarv 1148
1979	Jarvis, O. N. Sherwood, A. C. Whitehead, C. Lucas, M. W. 'Channeling of Fast Protons, Deuterons, and Alpha Particles' <i>Phys. Rev. B, 19, 5559-5577 (1979)</i> Comment : S, R, dR. 160 keV He, 81.5 keV D, 158.5 keV H -> Si	1979-Jarv 1199
1980	Izmailov, Sh. Z. Sirotinin, E. I. Tulinov, A. F. 'Energy Loss of Protons in Si, Ge, and Mo' <i>Nucl. Inst. Methods, 168, 81-84 (1980)</i> Comment : S, dS. 1-1 MeV H -> Si, Ge, Mo	1980-Izma 1342
1981	Kuhrt, E. Lenkeit, K. Taubner, F. 'Measurements of the Stopping Power of 40-300 keV Protons in Silicon' <i>Phys. Stat. Sol. A, 66, 131 (1981)</i> Comment : S. H (40-300 keV) -> Si	1981-Kuhr 1694

Stopping for Ion : H , Target = Si

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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
1983	Hancock, S. James, F. Movchet, J. Rancoita, P. G. Van Rossum, L. 'Energy Loss and Energy Straggling of Protons and Pions in the Momentum Range 0.7-115 GeV/c' <i>Phys. Rev. A, 28, 615</i> <i>Comment : S.dS. H, pions (0.7-115 GeV/c) -> Si</i>	1983-Hanc 1659
1984	Sirotinin, 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
1985	Gehrmann, P. Lenkeit, K. Stolle, R. 'Measurement of Proton Channeling Energy Losses in Silicon in the Intermediate Energy Region' <i>Phys. Stat. Sol. B, 131, 519 (1985)</i> <i>Comment : S. H (40-350 keV) -> Si. Channeled stopping powers.</i>	1985-Gehr 1963
1988	Mertens, P. Bauer, P. 'Reference Stopping Cross Sections for 30-600 keV Protons in Silicon' <i>Nucl. Inst. Methods, B33, 133 (1988)</i> <i>Comment : S. H (30-600 keV) -> Si</i>	1988-Mert 1720
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
1991	Medenwaldt, R. Moller, S. P. Uggerhoj, E. Worn, T. Hvelplund, P. 'Measurement of the Stopping Power of Silicon for Antiprotons between 0.2 - 3 MeV' <i>Nucl. Inst. Methods, B58, 1-5 (1991)</i> <i>Comment : S. H-(0.2-3 MeV) -> Si Anti-proton stopping powers.</i>	1991-Mede 1716

Stopping for Ion : H , Target = Si

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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
1993	Narumi, K. Fujii, Y. Kishine, K. Fujiwara, S. Kimura, K. 'Energy Losses of 12-32 keV H, He and N Ions at Glancing Angle Scattering from Clean Surfaces of Silicon Crystals' <i>J. Phys. Soc. Jap., 62, 1603-1611 (1993)</i> <i>Comment : S, H, He, N (12-32 keV) -> Si Surface scattering effects</i>	1993-Naru 2054
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
1995	Shevchenko, V. A. 'Stopping Power Measurements of Low Energy Protons using Backscattering on the Target' <i>Metall-Novei.-Tekh., 17, 27-29 (1995) Translated in "Physics of Metals"</i> <i>Comment : S, H (80-240 keV) -> Si, Cd, Fe, Au, YBaCuO</i>	1995-Shev 2378
1996	Ikeda, A. Sumitomo, K. Nishioka, T. Kido, Y. 'Stopping Powers and Energy Straggling for 50-300 keV H in Amorphous Si and Ge Films' <i>Nucl. Inst. Methods, B115, 34-38 (1996)</i> <i>Comment : S, dS, H (50-300 keV) -> Si, Ge</i>	1996-Iked 2029
1996	Misdaq, M. A. Elassali, R. 'Average Stopping Powers for Channeled Ions using Calculational and Experimental Methods' <i>Nucl. Inst. Methods, 119, 325-330 (1996)</i> <i>Comment : S, Light ions -> Si, GaAs (channeled)</i>	1996-Misd 0964
1996	Niemann, D. Kinac, G. Kalbitzer, S. 'Stopping Power of H, He and N in Si in the Energy Range of 0.02-1.0 MeV/amu' <i>Nucl. Inst. Methods, 118, 11-18 (1996)</i> <i>Comment : S, H, He, N (.02-1.0 MeV/amu) -> Si</i>	1996-Niem 1101
1997	Moller, S. P. Uggerhoj, E. Bluhme, H. Knudsen, H. Mikkelsen, U. 'Direct Measurements of the Stopping Power for Antiprotons of Light and Heavy Targets' <i>Phys. Rev. A, 56, 2930-2939 (1997)</i> <i>Comment : S, H- (50 - 700 keV) -> Al, Si, Ti, Cu, Ag, Ta, Pt, Au</i>	1997-Moll 2364

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1997	Muller, S. P. Uggerhoj, E. Bluhme, H. Knudsen, H. Mikkelsen, U. 'Measurement of the Barkas Effect Around the Stopping Power Maximum for Light and Heavy Targets' <i>Nucl. Inst. Methods, B122, 162-166 (1997)</i> <i>Comment : S. H- (50-700 keV) -> Si, Au</i>	1997-Mull 2026
2002	Fama, M. Lantschner, G. H. Eckardt, J. C. Arista, N. R. Gayone, J. E. 'Energy Loss and Angular Dispersion of 2-200 keV Protons in Amorphous Silicon' <i>Nucl. Inst. Methods, B193, 91-96 (2002)</i> <i>Comment : S. H -> Si(amor)</i>	2002-Fama 3129
2006	Hobler, G. Bourdelle, K. K. Akatsu, T. 'Random and Channeling Stopping Power of H in Si below 100 keV' <i>Nucl. Inst. Methods, B242, 617-619 (2006)</i> <i>Comment : S. H -> Si (Rand. & Chan.)</i>	2006-Hobl 3118
2008	Abdesselam, M. Ouichaoui, S. Azzouz, M. Chami, A.C. Siad, M. 'Stopping of 0.3-1.2 MeV/u protons and alpha particles in Si' <i>Nucl. Instrum. Methods Phys. Res. B 266, 3899 (2008)</i> <i>Comment : S. H, He (0.3-1.2 MeV/u) -> Si</i>	2008-Abde 3150
2009	Barradas, N.P. Alves, E. Siketic, Z. Bogdanovic, I. Radovic, 'Stopping power of different ions in Si measured with a bulk sample method and Bayesian inference data analysis ' <i>AIP Conf. Proc. 1099, 331 (2009)</i> <i>Comment : S. H (0-2500 keV), Li (0-3000 keV) ->Si</i>	2009-Barr 3151