

Citations for Target : **He**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1913	Taylor, T. S. 'The Range and Ionization of the Alpha Particles in Simple Gases' <i>Phil. Mag.</i> , 26, 402-410 (1913) <i>Comment</i> : R. 5.3, 5.5 MeV He -> H ₂ , He, O ₂ , Air	1913-Tayl 0118
1920	VonTrautenberg, H. R. 'Über Eine Methode Zur Direkten Bestimmung der Reichweite von Alpha-Strahlen in Festen Körpern' <i>Z. Physik</i> , 2, 268-276 (1920) <i>Comment</i> : R. 7.7 MeV He -> H ₂ , He, Li, O ₂ , Mg, Al, Ca, Fe, Ni, Au, Zn, Ag, Cd, Sn, Pt, Cu, Tl, Pb.	1920-VonT 0123
1924	Bates, L. F. 'On the Range of Alpha-Particles in Rare Gases' <i>Proc. Roy. Soc.</i> , A106, 622-632 (1924) <i>Comment</i> : R. 6.1-MeV He -> He, Ne, O ₂ , Ar, Kr, Xe	1924-Bate 0010
1924	Rutherford, E. 'The Capture and Loss of Electrons by Alpha Particles' <i>Phil. Mag.</i> , 47, 277 (1924) <i>Comment</i> : S. He (5-7 MeV) -> Air, H, He, Mica	1924-Ruth 1994
1925	Gurney, R. W. 'The Stopping-Power of Gases for Alpha-Particles of Different Velocities' <i>Proc. Roy. Soc.</i> , A107, 340-349 (1925) <i>Comment</i> : S. 5.3, 6.1 MeV He -> H ₂ , He, O ₂ , Ne, Ar, Kr, Xe Rel. To Air	1925-Gurn 0061
1927	Gibson, G. E. Eyring, H. 'The Ionization and Stopping Power of Various Gases for Alpha Particles from Polonium' <i>Phys. Rev.</i> , 30, 553-561 (1927) <i>Comment</i> : S. He (2-7 MeV) -> H, He, N, O, Ne, Ar, CH ₂ . Early stopping paper- values based on differential of range/ionization measurements.	1927-Gibs 1577
1934	Mano, G. 'Recherches Sur L'Absorption Des Rayons Alpha' <i>Ann. de Physique</i> , 1, 408-531 (1934) <i>Comment</i> : S. 4.2-7.7 MeV He -> H ₂ , He, Ne, Ar, Air	1934-Mano 0085
1934	Naidu, R. 'Sur Les Courbes D'Ionisation Des Rayons Alpha Du Polonium Dans Les Gaz Rares' <i>J. Phys. Radium</i> , 5, 575-77 (1934) <i>Comment</i> : S. 3-7 MeV He -> He, Ne, Ar, Kr, Xe. All Rel. To Air	1934-Naid 0093
1942	Creenshaw, C. M. 'The Loss of Energy of Hydrogen Ions Traversing Various Gases' <i>Phys. Rev.</i> , 62, 54-64 (1942) <i>Comment</i> : S. 60-340 keV H, D -> H ₂ , D ₂ , He, H ₂ O Rel. To Air	1942-Cree 0040

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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	Evans, G. E. Barnett, C. F. Stier, P. M. DeRito, V. L. 'Extrapolated Ionization Ranges of Ions Heavier Than Protons' <i>ORNL-1278, 17-21 (1952)</i> <i>Comment : R. (50-300 keV) H, He, N, Ne, Ar -> He, N2, Ar, Air</i>	1952-Evan 0057
1952	Mills, R. G. 'A Cloud Chamber Investigation of Low Energy Range-Energy Relations' <i>UCRL Rpt. 1815, 1-89 (1952)</i> <i>Comment : R. 50-250 keV H, 100-360 keV He, 30-110 keV O -> He, O2, H2O</i>	1952-Mill 0092
1953	Cooper, P. N. Crocker, V. S. Walker, J. 'The Relative Stopping-Power of Hydrogen and of Helium for Slow Alpha-Particles' <i>Proc. Phys. Soc. A66, 658-59 (1953)</i> <i>Comment : R. 1.5-4.5 MeV He -> H2 He. Rel. To Air</i>	1953-Coop 0036
1953	Evans, G. E. Stier, P. M. Barnett, C. F. 'The Stopping of Heavy Ions in Gases' <i>Phys. Rev., 90, 825-32 (1953)</i> <i>Comment : R. 20-250 keV He, N, Ne, Ar -> He, N2, Ar, Air</i>	1953-Evan 0048
1953	Phillips, J. A. 'The Energy Loss of Low Energy Protons in Some Gases' <i>Phys. Rev., 90, 532-37 (1953)</i> <i>Comment : S. 10-80 keV H -> H2, He, N2, O2, Ar, Kr, H2O, CO2, CCl4</i>	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' <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
1953	Weyl, P. K. 'The Energy Loss of Hydrogen, Helium, Nitrogen and Neon Ions in Gases' <i>Phys. Rev., 91, 289-96 (1953)</i> <i>Comment : S. 150-450 keV H, D, He, N, Ne -> H2, He, Air, Ar</i>	1953-Weyl 0131
1954	Boicourt, G. P. Brolley, J. E. 'Po Alpha Ranges in Various Counting Mixtures' <i>Rev. Sci. Inst., 25, 95-96 (1954)</i> <i>Comment : R. 5.3 MeV He -> H2, He, N2, Ar, Ar + xx% CO2, CH4, Kr,</i>	1954-Boic 0023

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1955	Riezler, U. Rudloff, A. 'Ionisation und Energieverlust von Alpha-Teilchen in Verschiedenen Gasen' <i>Ann. Physik, 18, 224-245 (1955)</i> <i>Comment : R. S Rel. To Air. 5.3 MeV He -> He, Ne, Ar, Kr, Xe, H2, N2, O2, NH3, CO, CO2, NO, N2O, CH4, C2H6, C3H8, C4H10</i>	1955-Riez 0567
1956	Allison, S. K. Littlejohn, C. S. 'Stopping Power of Various Gases for Lithium Ions of 100-450-keV Energy' <i>Phys. Rev., 104, 959-61 (1956)</i> <i>Comment : S. 100-450 keV Li -> H2, He, Ar, Air</i>	1956-Alli 0002
1956	Jesse, W. P. Saduakis, J. 'Recoil Particles from Po210 and Their Ionization in Argon and Helium' <i>Phys. Rev., 102, 389-90 (1956)</i> <i>Comment : R. 103 keV 206Pb -> He, Ar</i>	1956-Jess 0239
1958	Kepler, R. G. D'Andlau, C. A. Fretler, W. B. Hansen, L. F. 'Relativistic Increase of Energy Loss by Ionization in Gases' <i>Nuovo Cimento, 7, 71-86 (1958)</i> <i>Comment : S. 0.3-12 GeV Mu -> He, Ar, He + Ar, Rel. To Min.</i>	1958-Kepl 0100
1959	Harvey, B. G. Donovan, P. F. Morton, J. R. 'Range Energy Relation for Heavy Atoms' <i>UCRL Rpt. 8618, 17-20 (1959)</i> <i>Comment : R. 725 keV 226Th -> H2, D2, He, N2, Ar</i>	1959-Harv 0145
1959	Lanou, R. E. Kraybill, H. L. 'Ionization Loss by Mu-Mesons in Helium' <i>Phys. Rev., 113, 657-61 (1959)</i> <i>Comment : S. 1.3-140 GeV/c Mu -> He Rel. To 1.3 GeV/c</i>	1959-Lano 0101
1959	Rousset, A. Lagarrigue, A. Musset, P. Rancon, P. Santeron, X. 'Relativistic Increase of Ionization in Xenon' <i>Nuovo Cimento, 14, 365-75 (1959)</i> <i>Comment : S. 0.5-50 GeV/c Mu -> Xe, Xe + He Rel. To Min.</i>	1959-Rous 0120
1959	Valyocsik, E. W. 'Range and Range Straggling of Heavy Recoil Atoms' <i>UCRL Rpt. 8855 (1959)</i> <i>Comment : R, dR. (90-725 keV) Ra, Th -> N2, H2, D2, He, Ne, Ar; Po (80 keV) -> 209Bi</i>	1959-Valy 0144
1960	Kushnir, Yu. M. Kabanov, A. N. Krumiakova, L. N. 'Measurement of Energy Loss in Gases of 70 keV Lithium Ions by an Electrostatic Analyser' <i>Radioteknika I. Elek. (USSR), 5, (1960). [Engl. Trans. Rad. Eng. Elect. Phys., 5, 197- (1960)]</i> <i>Comment : S. 70 keV Li -> He, Ar, N2, O2</i>	1960-Kush 0776

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1961	Clerc, H. G. Waffler, H. Berthold, F. 'Reichweite von Li8-Ionen der Energie 40-450 keV in Wasserstoff, Deuterium und Helium' <i>Z. Naturforschg. 16A, 149-54 (1961)</i> <i>Comment : R. 40-450 keV 8Li -> H2, D2, He</i>	1961-Cler 0210
1961	Riezler, W. Schepers, H. 'Ionisation und Energieverlust von Alpha-Teilchen in Verschiedenen Gasen' <i>Ann. Physik, 8, 270-277 (1961)</i> <i>Comment : R. S Rel. To Air 8.78 MeV He -> Air, He, Ne, Ar, Kr, H2, N2, O2, CO, CO2, CH4, C2H6, C3H8, C4H10</i>	1961-Riez 0568
1962	Bryde, L. Lassen, N. O. Roy-Poulsen, N. O. 'Ranges of Recoil Ions from Alpha-Reactions' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 33, No. 8, 1-28 (1962)</i> <i>Comment : R, dR. (0.6-1.3 MeV) Ga, K -> H2, D2, He, Ar, N, Cu; 3.9 MeV F -> N</i>	1962-Bryd 0156
1962	Martin, F. W. Northcliffe, L. C. 'Energy Loss and Effective Charge of He, C, and Ar Ions' <i>Phys. Rev., 128, 1166-1174 (1962)</i> <i>Comment : S. He, C, Ar (4-400 MeV) -> H, He, N, Ar</i>	1962-Mart 0148
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., 131, 1611-18 (1963)</i> <i>Comment : S. 40-250 keV H -> Air, He, Various Hydrocarbons</i>	1963-Park 0175
1964	Gilat, J. Alexander, J. M. 'Stopping of Dysprosium Ions in Gases and Al' <i>Phys. Rev. B, 136, 1298-1305 (1964)</i> <i>Comment : R. 6-21 MeV Dy -> He, N2, Ne, Ar, Kr, Xe</i>	1964-Gila 0185
1964	Lassen, N. O. RoyPoulsen, N. O. Sidenius, G. Vistisen, L. 'Stopping of 50 keV Ions in Gases' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 34, No. 5, 1-20 (1964)</i> <i>Comment : R. (50 keV) Na, Ga, Au -> H2, D2, Ne, Ar, He, N2</i>	1964-Lass 0311
1965	Allison, S. K. Anton, D. Morrison, R. A. 'Stopping Power of Gases for Lithium Ions' <i>Phys. Rev. A, 138, 688-91 (1965)</i> <i>Comment : S. 0.6-3.75 MeV Li -> H2, He, CH4, N2, CO2</i>	1965-Alli 0370
1966	Mason, D. L. Prior, R. M. Quinton, A. R. 'The Energy Straggling 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

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1966	Nielsen, O 'Specialeopgave' <i>Niels Bohr Institute, University of Copenhagen, Pp. 1-64 (1966)</i> <i>Comment : S, dS. 50 keV C, Na, Cl, K, Mn, Y, Zn, Ag, Hf, Lu, Hg, Bi -> H2, D2, He, N2, Ne, Ar</i>	1966-Niel 0396
1967	Wiechmann, W. Biersack, J. 'Reichweiten von Radium - 224 - Ruckstoss-Atomen in Gasen' <i>Nukleonika, 9, 399-400 (1967)</i> <i>Comment : R, dR. 96 keV 224Ra -> Ar, Ne, O2, N2, CH4, He, H2</i>	1967-Wiecc 0296
1968	Biersack, J. P. 'Range of Recoil Atoms in Isotropic Stopping Materials' <i>Z. Physik, 211, 495-501 (1968)</i> <i>Comment : R. (96-1335 keV) Al, Na, Mn, Mg, Co, Cu, Ra -> Al, Fe, Ni, Ar, Ne, O2, N2, CH4, He, H2, CuO, Al2O3</i>	1968-Bier 0332
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
1968	Hvelplund, P. 'Prisopgave' <i>Aarhus University P. 1-105 (In Danish) (1968)</i> <i>Comment : S, dS. Many Ions (H-Hg) at 50-500 keV -> H, He, Ne, Ar, Kr, Xe, Air</i>	1968-Hvel 0406
1968	Pierce, T. E. Blann, M. 'Stopping Powers and Ranges of 5-90 MeV S32, Cl35, Br79, and I127 Ions in H2, He, N2, Ar, and Kr: a Semiempirical Stopping Power Theory for Heavy Ions in Gases and Solids' <i>Phys. Rev., 173, 390-405 (1968)</i> <i>Comment : S. 5-90 MeV 32S, 35Cl, 79Br, 127I -> H2, He, N2, Ar, Kr</i>	1968-Pier 0354
1969	Baily, N. A. Steigerwalt, J. E. 'Frequency Distribution for Very Small Energy Losses by 46 MeV Protons' <i>Bull. Am. Phys. Soc., 14, 846 (1969)</i> <i>Comment : dS. 46 MeV H -> He-CO2 Mixture</i>	1969-Bail 0392
1969	Ramirez, J. J. Prior, R. M. Swint, J. B. Quinton, A. R. Blue, R. A. 'Energy Straggling of Alpha Particles through Gases' <i>Phys. Rev., 179, 310-14 (1969)</i> <i>Comment : S, dS. 1-3.5 MeV He -> He, Air, Ar, Kr, Xe</i>	1969-Rami 0388

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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> <i>Comment : dS. 46.4 MeV H -> He-CO2 Mixture</i>	1970-Bail 0425
1970	Derrick, M. Fields, T. Hyman, L. G. Keyes, G. Fetkovich, J. 'Range-Energy Relation in Helium' <i>Phys. Rev. A, 2, 7-13 (1970)</i> <i>Comment : R. 30.6 MeV 3H, 8.43 MeV 4H, 4.12 MeV Mu+, Mu- -> He</i>	1970-Derr 0418
1970	Walsh, P. J. Underwood, N. 'Energy Loss of Heavy Charged Particles' <i>Health Phys., 18, 561-565 (1970)</i> <i>Comment : S. H (0.3-8 MeV) -> H, He, Li, C. Theory, compared to experiments.</i>	1970-Wals 1950
1971	Bonderup, E. Hvelplund, P. 'Stopping Power and Energy Straggling of Swift Protons' <i>Phys. Rev. A, 4, 562-69 (1971)</i> <i>Comment : S,dS. 100-500 keV H -> H2, He, Air, Ne, Ar, Kr</i>	1971-Bond 0429
1971	Chu, W. K. Powers, D. 'Energy Loss of Alpha Particles in Noble Gases from 0.3 - 2.0 MeV' <i>Phys. Rev. B, 4, 10-15 (1971)</i> <i>Comment : S. 0.3-2.0 MeV He -> He, Ne, Ar, Kr, Xe</i>	1971-Chu 0675
1971	Hakim, M. Schafrir, N. H. '²⁵²Cf Fission Fragment Energy Loss Measurements in Elementary Gases and Solids as Compared with Theory' <i>Can. J. Phys., 49, 3024-35 (1971)</i> <i>Comment : S. Fiss. Fragm. -> H2 D2, He, C, N2 O2, Ne, Al, Ar, Ni, Cu, Kr, Ag, Xe, Au</i>	1971-Haki 0432
1971	Hvelplund, P. 'Energy Loss and Straggling of 100-500 keV Atoms with Z1 ó 12 in Various Gases' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 38, No. 4, P. 1-25 (1971)</i> <i>Comment : S,dS. (100-500 keV) He, Li, Be, B, C, N, O, F, Ne, Na, Mg -> Air, He, Ne, H2, O2</i>	1971-Hvel 0421
1971	Leon, J. Steiger-Shafrir, N. H. 'Range and Range Straggling of 97 keV ²²⁴Ra Particles in Gases' <i>Can. J. Phys., 49, 1004-17 (1971)</i> <i>Comment : R, dR. 97 keV ²²⁴Ra -> H2, He, N2, O2, Ne, Ar, Kr, Xe</i>	1971-Leon 0446
1971	Leon, J. Steiger-Shafrir, N. H. 'Investigation of Nuclear Stopping Mechanism by Heavy Particle Range Measurements in Isotopic Media' <i>Can. J. Phys., 49, 2106-17 (1971)</i> <i>Comment : R. 97 keV Ra -> H, D, T, He, N, N, O, Ne</i>	1971-Leon2 0447

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1971	Pierson, W. R. Kummer, J. T. Brachuczek, W. 'Ranges of Recoil Atoms from the (n,gamma) Process' <i>Phys. Rev. B, 4, 2846-53 (1971)</i> <i>Comment : R. About 50 eV Au -> D, He, Ne, Ar, Xe</i>	1971-Pier 0458
1972	Huebner, J. S. Skolil, L. L. 'The Residual Energy and Stopping Power of 210Po Alpha Particles in Air, CO2, and He' <i>Am. J. Phys., 40, 1177-78 (1972)</i> <i>Comment : S. 3-5.3 MeV He -> Air, CO2, He</i>	1972-Hueb 0666
1973	Al-Bedri, M. B. Harris, S. J. Sykes, D. A. 'The Dependence of Energy Straggling on the Atomic Number of Absorber' <i>Nucl. Inst. Methods, 106, 241-43 (1973)</i> <i>Comment : dS. 5.2 MeV He -> He, Ne, Ar, Kr, CH4, CO2, N2, Air.</i>	1973-Al 0472
1973	Wenger, E. Gardner, R. P. Verghese, K. 'Molecular Stopping Cross Sections of Alpha Particles in Butane, Propane, Ethane, Neon, Helium, and Hydrogen' <i>Health Phys., 25, 67-71 (1973)</i> <i>Comment : S. (2.5-6 MeV) He -> H2, Ne, He, C2H6, C3H8, C4H10</i>	1973-Weng 0828
1975	Al-Bedri, M. B. Harris, S. J. 'Energy Straggling of Fission Fragments in Gases and Solids' <i>Nucl. Inst. Methods, 124, 125-130 (1975)</i> <i>Comment : dS. Cf Fiss. Frag. -> He, N, CO2, Ar, Kr, Ne, Air, Al, Ag, Cu, Au, CH4, Tissue Eq. Gas</i>	1975-Al 1273
1975	Betz, G. Isele, H. -J. Rossle, E. Hortig, G. 'Stopping Powers of He, Air, and Kr for 5 to 110 MeV Uranium Ions' <i>Nucl. Inst. Methods, 123, 83-87 (1975)</i> <i>Comment : S. 5-110 MeV U -> He, Air, Kr</i>	1975-Betz 0522
1975	Brendle, M. Gugel, F. Steidle, G. 'The Ranges of Alpha Particles in H2, He, CH4 and CO2 at Energies from 0.5 to 5.3 MeV.' <i>Nucl. Inst. Methods, 130, 253-256 (1975)</i> <i>Comment : R. 0.5-5.3 MeV He -> H2, He, CH4, CO2</i>	1975-Bren 0790
1975	Efken, B. Hahn, D. Hilscher, D. Wustefeld 'Energy Loss and Energy Loss Straggling of N, Ne and Ar Ions in Thin Targets' <i>Nucl. Inst. Methods, 129, 219-225 (1975).</i> <i>Comment : S, dS. (10-15 MeV) N, Ne, Ar -> N2, He, SFH, Ar, C, SF6,</i>	1975-Efke 0792

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1975	Martini, V. 'Energy-Loss Measurements of keV-Ions in Gases by Time-Of-Flight Spectroscopy' <i>Nucl. Inst. Methods, 124, 119-24 (1975)</i> <i>Comment : S. 25-75 keV Pb -> He</i>	1975-Mart 0524
1977	Andersen, H. H. Besenbacher, F. Knudsen, H. 'Stopping Power and Straggling of 65 - 500 keV Lithium Ions in H ₂ , He, CO ₂ , N ₂ , O ₂ , Ne, Ar, Kr, and Xe' <i>Nucl. Inst. Methods, (1977) -b</i> <i>Comment : S, dS. 65 - 500 keV Li -> H₂, He, CO₂, N₂, O₂, Ne, Ar, Kr, Xe</i>	1977-Ande4 0930
1977	Besenbacher, F. Heinmeier, J. Hvelplund, P. Knudsen, H. 'Energy-Loss Straggling for Protons and Helium Ions' <i>Phys. Letters, 61A, 75-77 (1977)</i> <i>Comment : dS. 50-500 keV/Nucleon H, He -> Kr, N, He</i>	1977-Bese2 1025
1977	Cameron, J. M. Mccamis, R. H. Miller, G. A. Moss, G. A. Roy, G. 'Energy Loss and Straggling of Low Energy Alphas in Helium' <i>Nucl. Inst. Methods, 145, 405-407 (1977)</i> <i>Comment : S, dS. 0.1-1.7 MeV He -> He</i>	1977-Came 1042
1978	Andersen, H. H. Besenbacher, F. Knudsen, H. 'Stopping Power and Straggling of 65-500 keV Lithium Ions in H, He, CO, N, O, Ne, Ar, Kr and Xe' <i>Nucl. Inst. Methods, 149, 121-127 (1978)</i> <i>Comment : S. Li (65-500 keV) -> H, He, CO₂, N, O, Ne, Ar, Kr, Xe</i>	1978-Ande 1492
1978	Hanke, C. C. Laursen, J. 'Stopping Cross Sections for Alpha Particles from 1.0 to 8.5 MeV in H ₂ , He, N ₂ , O ₂ , Ne, Kr, and Xe.' <i>Nucl. Inst. Methods, 151, 253-260 (1978)</i> <i>Comment : S. 1.0 - 8.5 MeV He -> H, He, N, O, Ne, Kr, Xe.</i>	1978-Hank 1082
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	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

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1980	Thwaites, D. I. 'Stopping Cross Sections of Various Gases for Alpha Particles in the Energy Region 0.2-5.5 MeV' <i>Phys. Med. Biol.</i> , 25 (5), 865-875 (1980) <i>Comment : S. He (0.2-5.5 MeV) -> He, N, Ar, CH₄, Air</i>	1980-Thwa 1489
1981	Fukuda, A. 'Stopping Powers in Rare Gases for 40-200 keV Rare-Gas Ions' <i>J. Phys. B, Atom. and Molec. Phys.</i> , 14, 4533-4544 (1981) <i>Comment : S. He, Ne, Ar, Kr (40-200 keV) -> He, Ne, Ar, Kr, Xe (Note: stopping for ions of zero deflection)</i>	1981-Fuku 1411
1983	Baumgart, H. Arnold, W. Berg, H. Huttel, E. Clausnitzer, G. 'Proton Stopping Powers in Various Gases' <i>Nucl. Inst. Methods</i> , 204, 597 (1983) <i>Comment : H (60-800 keV) -> H, He, N, O, Ne, Ar, Kr, Xe</i>	1983-Baum 1614
1983	Baumgart, H. Berg, H. Huttel, E. Pfaff, E. Reiter, G. 'He4 Stopping Cross Sections in H ₂ , He, N ₂ , O ₂ , Ne, Ar, Kr, Xe, CH ₄ and CO ₂ ' <i>Nucl. Inst. Methods</i> , 215, 319-328 (1983) <i>Comment : S. He (0.1-1.2 MeV) -> H₂, He, N₂, O₂, Ne, Ar, Kr, Xe, CH₄ and CO₂</i>	1983-Baum3 1450
1983	Laichter, Y. Shafrir, N. H. 'Fine Structure in the Stopping Powers and Ranges of Fission Fragments in Matter' <i>Nucl. Phys.</i> , A394, 77-86 (1983) <i>Comment : S. Fission fragments (Cf-252) -> H, D, He, N, O, Ne, Ar, Kr, Xe</i>	1983-Laic 1696
1984	Clouvas, A. Gaillard, M. J. De Pinho, A. G. Poizat, J. C. Rimillieux, J. 'Nonequilibrium Effects in the Energy Loss of He Beams in Very Thin Carbon Foils' <i>Phys. Letters</i> , 103A, 419 (1984) <i>Comment : S. He (1.5-2.4 MeV) -> C (charge state effects)</i>	1984-Clou 1636
1984	Xu, Y. J. Khandelwal, G. S. Wilson, J. W. 'Intermediate Energy Proton Stopping Power for Hydrogen Molecules and Monoatomic Helium Gas' <i>Phys. Letters</i> , 100A, 3, 137-140 (1984) <i>Comment : S. H (0.1-1.0 MeV) -> H₂, He</i>	1984-Xu 2 1464
1989	Bimbot, R. Cabot, C. Gardes, H. Orliange, I. 'Stopping Power of Gases for Heavy Ions: Gas-Solid Effect II. 2-6 MeV/amu Cu, Kr and Ag Projectiles' <i>Nucl. Inst. Methods</i> , B44, 19-34 (1989) <i>Comment : S. Cu, Kr, Ag (2-5 MeV/amu) -> H, He, N, O, Ne, Ar, Kr, Xe (11 gases)</i>	1989-Bimb 1934

Citations for Target : **He**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1989	Bimbot, R. Cabot, C. Gardes, D. Gauvin, H. Hingmann, R. 'Stopping Power of Gases for Heavy Ions: Gas-Solid Effects I. 2-13 MeV/amu Ne and Ar Projectiles' <i>Nucl. Inst. Methods, B44, 1-18 (1989)</i> <i>Comment : S. Ne, Ar (2-13 MeV/amu) -> H, He, N, O, Ne, Ar, Kr, Xe (12 gases)</i>	1989-Bimb2 1935
	Bimbot, R. Gauvin, H. Herault, J. Anne, R. Bastin, G. 'Interaction of 20-100 MeV/amu Heavy Ions with Solids and Gases' <i>Rad. Effects, 110, 15-17 (1989)</i> <i>Comment : S. O, Ar, Ca, Kr, Mo, Xe (20-95 MeV/amu) -> 10 Gases, 12 Solids</i>	1989-Bimb3 1936
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
	Golser, R. Semrad, D. 'Observation of a Striking Departure from Velocity Proportionality in Low Energy Electronic Stopping' <i>Phys. Rev. Letters, 66, 1831 (1991)</i> <i>Comment : S. H (3 - 20 keV) He</i>	1991-Gols 1654
1991	Herault, J. Bimbot, R. Gauvin, H. Kubica, B. Anne, R. 'Stopping Powers of Gases for Heavy Ions (O, Ar, Kr, Xe) at Intermediate Energy (20-100 MeV.amu). Vanishing of the Gas-Solid Effect' <i>Nucl. Inst. Methods, B61, 156-166 (1991)</i> <i>Comment : S. O, Ar, Kr, Xe (20-85 MeV/amu) -> He, O, N, (11 gases)</i>	1991-Hera 1908
	Kimura, K. 'Track-Depth Resolved Luminescence of 5 MeV/amu N Ions Injected into Near-Liquid and Liquid Helium' <i>Nucl. Inst. Methods, B53, 301-308 (1991)</i> <i>Comment : S,R. N(5 MeV/amu) -> He (gas and liquid)</i>	1991-Kimu 1915
1991	Price, J. L. Stern, S. H. Simons, D. G. Land, D. J. Brennan, J. G. 'Stopping Powers for 400-2400 keV N Ions in He and Ar' <i>Nucl. Inst. Methods, B56/57, 348-357 (1991)</i> <i>Comment : S. N (0.4-2.4 MeV) -> He, Ar</i>	1991-Pric 1984
	Golser, R. Semrad, D. 'Energy Loss of Hydrogen and Helium Ions in Hydrogen and Helium Gas: Looking for Exceptions from Velocity Proportionality' <i>Nucl. Inst. Methods, B69, 18-21 (1992)</i> <i>Comment : S. H, D, He (4 keV/amu) -> H, He</i>	1992-Gols3 1893

Citations for Target : **He**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1993	Novkovic, D. Subotic, K. Milosevic, Z. Manic, S. Stojanovic, M. 'Alpha Particle Energy Straggling Measurements in Nobel Gases' <i>J. Moscow Phys. Soc. (UK), 3, 215-220 (1993)</i>	1993-Novk 2077
	<i>Comment : dS. He(8.8 MeV) -> He, Ne, Ar, Kr, Xe</i>	
1993	Price, J. L. Simons, D. G. Stern, S. H. Land, D. J. Guardala, N. A. 'Stopping Powers of the Noble Gases for 0.3-10.0 MeV Nitrogen Ions' <i>Phys. Rev. A, 47, 2913-2918 (1993)</i>	1993-Pric 1873
	<i>Comment : S. N (0.3-10.0 MeV) -> He, Ne, Ar, Kr, Xe</i>	
1993	Schiefermuller, A. Galser, R. Stohl, R. Semrad, D. 'Energy Loss of Hydrogen Projectiles in Gases' <i>Phys. Rev. A, 48, 4467-4475 (1993)</i>	1993-Schi 2076
	<i>Comment : S. H (3-20 keV/amu) -> H2, D, He, Ne</i>	
1994	Auth, C. Winter, H. 'Impact Parameter Dependence of the Energy Loss of Fast Protons in Single Collisions with Noble Gas Atoms' <i>Nucl. Inst. Methods, B93, 123-131 (1994)</i>	1994-Auth 1854
	<i>Comment : S. H (50-250 keV) -> He, Ne Ar</i>	
1994	OBELIX Collaboration 'Recent Results from OBELIX in Atomic Physics' <i>Yaderna Fiz. (Russia), 57, 1816-1828 (1994)</i>	1994-OBEL 2041
	<i>Comment : S. H (0.5keV-3.3 MeV) -> H, He (gas) Pressure effects on stopping.</i>	
1994	Schiwietz, G. Grande, P. L. Auth, C. Winter, H. Salin, A. 'Angular Dependence of Energy Loss in Prton-Helium Collisions' <i>Phys. Rev. Letters, 72, 2159-2162 (1994)</i>	1994-Schi 1860
	<i>Comment : S. H (50-250 keV) -> He (single collision scattering)</i>	
1995	Agnello, M. Belli, G. Bertin, A. Botta, E. Zoccoli, A. 'Anti-Proton Slowing Down in H-2 and He and Evidence of Nuclear Stopping Power' <i>Phys. Rev. Letters, 74, 371-374 (1995)</i>	1995-Agne 1744
	<i>Comment : S, Sn. H- (0.5-1.1 MeV) -> H, He</i>	
1996	Fukuda, A. 'Stopping Powers of the Rare Gases for 50-200 keV N+ Ions' <i>J. Phys. B, 29, 3717-3725 (1996)</i>	1996-Fuku 1642
	<i>Comment : S. N (50-200 keV) -> He, Ne, Ar, Kr, Xe,</i>	
1996	Golser, R. Semrad, D. Aumayr, F. 'Electronic Stopping in a He-H2 Mixture Substantially Exceeds Bragg's Rule Value' <i>Phys. Rev. Lett., 76, 3104-3107 (1996)</i>	1996-Gols 2160
	<i>Comment : S. D (4 keV/amu) -> He/H mixtures.</i>	

Citations for Target : **He**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1996	Schiwietz, G. Wille, U. Muino, R. D. Fainstein, P. D. Grande, P. L. 'Comprehensive Analysis of the Stopping Power of Antiprotons and Nugative Muons in He and H2 Gas Targets' <i>J. Phys. B</i> , 29 , 307-321 (1996) <i>Comment : S. H-, Mu- (0.25 keV - 2.5 MeV) -> H2, He (gas targets)</i>	1996-Schi 2063
1997	Fukuda, A. 'Stopping Powers of He and Ar Gases for 50-200 keV He-3 Ions' <i>Rad. Prot. Dosimetry</i> , 70 , 47-48 (1997) <i>Comment : S. He3 (50-2000 keV) -> He, Ar</i>	1997-Fuku 2180
2000	Formicola, A. Aliotta, M. Gyurky, G. Raiola, F. Bonetti, R. 'Energy Loss of Deuterons in He-3 Gas; A Threshold Effect' <i>Eur. Phys. J.</i> , A8 , 443-446 (2000) <i>Comment : S. D (15 - 100 keV) -> He3</i>	2000-Form 2370
2001	Diwan, P. K. Kumar, S. Singh, G. Singh, L. 'Energy Loss of Heavy Ions in Gases: A Comparative Study' <i>Rad. Meas.</i> , 33 , 193-202 (2001) <i>Comment : S. Ne, S, Cl, Ar, Cu, Kr (1 - 80 MeV/u) -> H, He, N, Ar, Ne, Xe, CH4, C4H10, CO2, CF4</i>	2001-Diwa2 2369
2001	Raiola, F. Gyurky, G. Aliotta, M. Formicola, A. Bonetti, R. 'Stopping Power of Low Energy Deuterons in He-3 Gas' <i>Eur. Phys. J.</i> , A10 , 487-491 (2001) <i>Comment : S. D (10 -100 keV) -> He3 gas</i>	2001-Raio 2368