

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1905	Bragg, W. H. Kleeman, R. 'On the Alpha Particles of Radium and Their Loss of Range in Passing through Various Atoms and Molecules' <i>Phil. Mag., 10, 318-340 (1905)</i> <i>Comment : S. 7.7 MeV He -> H2, Al, Cu, Ag, Sn, Pt, Au, Hydrocarbons: All Rel. To Air</i>	1905-Brag
1914	Michl, W. 'Uber Die Reichweite der Alpha-Strahlen in Flussigkeiten' <i>Sitzber. Akad. Wiss. Wien Mathematisch-Naturwissenschaftliche Klasse, 123, 1965-99 (1914)</i> <i>Comment : R. 5.3 MeV He -> CS2, H2O, C2H5OH, Ether, Benzene, Anilin, Glycerin, Chloroform</i>	1914-Mich
1921	VonTraubenberg, H. R. Phillipp, K. 'Uber Zwei Direkte Methoden Zur Bestimmung der Reichweite von Alpha-Strahlen in Flussigkeiten und Gasen' <i>Z. Physik, 5, 404-409 (1921)</i> <i>Comment : R. 5.5 MeV He -> H2O, Co, CO2, CH3Br, CH3I, Cl2, HCl, NH3, Rel. To Air</i>	1921-VonT
1923	Phillip, K. 'Bremsung der Alpha-Strahlen in Flussigkeiten und Dampfen' <i>Z. Physik, 17, 23-41 (1923)</i> <i>Comment : R. 5.5 MeV He -> Air, CO2, H2O, C2H5Oh, C6H6, C5H5N</i>	1923-Phil
1926	Meitner, L. Freitag, K. 'Uber Die Alpha-Strahlen Des Thc+C' und Ihre Verhalten Beim Durchgaug Durch Verschiedene Gase' <i>Z. Physik, 37, 481-517 (1926)</i> <i>Comment : R. 5.3 MeV He -> Air, H2, H2O, CH4, N2, O2, CO, CO2, SO, SO2, CH3Br. Tracks In Cloud-Chamber.</i>	1926-Meit
1927	Gibson, G. E. Eyring, H. 'The Ionization and Stopping Power of Various Gases for Alpha Particles from Polonium' <i>Phys. Rev., 30, 553-561 (1927)</i> <i>Comment : S. He (2-7 MeV) -> H, He, N, O, Ne, Ar, CH2. Early stopping paper- values based on differential of range/ionization measurements.</i>	1927-Gibs
1939	Schmieder, K. 'Bremsvermogen und Tragerbildung der Alpha-Strahlen in Gasen' <i>Ann. Physik, 35, 445-64 (1939)</i> <i>Comment : R. 5.3 MeV He -> Air, N2, O2, NO, N2O, NO2, CO, CO2, CH4, C2H4, Ne, Ar, Kr, N2+O2, N2+2O2, 2N2+O2</i>	1939-Schm

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1948	Wilkinson, D. H. 'The Stopping Power of Polythene and Fast Neutron Flux Measurements' <i>Proc. Camb. Phil. Soc., 44, 114-23 (1948)</i> <i>Comment : S. 5.4 MeV He -> (CH₂)_x. Hydrocarbons. Solid Rel. To Gas</i>	1948-Wilk
1949	Eichholz, G. G. Harrick, N. J. 'Absorption of Alpha-Particles in Gases' <i>Phys. Rev., 76, 589 (1949)</i> <i>Comment : R. 5.3 MeV He -> Ar, D₂, CH₄</i>	1949-Eich
1949	Hammer, F. E. Hoecker, F. E. 'A New Method of Measuring the Stopping Power of Several Materials for Alpha-Particles' <i>Rev. Sci. Inst., 20, 394-98 (1949)</i> <i>Comment : S. 5.3 MeV He -> Al, Mica, Nylon, Polystyrene Rel. To Air</i>	1949-Hamm
1952	Ellis, R. H. Rossi, H. Failla, G. 'Stopping Power of Polystyrene and Acetylene for Alpha-Particles' <i>Phys. Rev., 86, 562-63 (1952)</i> <i>Comment : S. 5-3 MeV He -> Polystyrene Rel. To Acetylene</i>	1952-Elli
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
1954	Phelps, J. Huebner, W. F. Hutchinson, F. 'The Stopping Power of Organic Foils for 6 MeV Alphas' <i>Phys. Rev., 95, 441-44 (1954)</i> <i>Comment : S. 6 MeV He -> CH₂, Plastics, Al Rel. To Air</i>	1954-Phel
1955	Anianson, G. 'New Method for Measuring the Alpha-Particle Range and Straggling in Liquids' <i>Phys. Rev., 98, 300-02 (1955)</i> <i>Comment : R. 5.3 MeV He -> H₂O, Various Hydrocarbon Liquids</i>	1955-Ania
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
1960	Schambra, P. E. Rauth, A. M. Northcliffe, L. C. 'Energy Loss Measurements for Heavy Ions in Mylar and Polyethylene' <i>Phys. Rev., 120, 1758 (1960)</i> <i>Comment : S. He, B, Be, C, N, O, F, Ne (10 MeV/amu) -> Mylar, Polyethylene</i>	1960-Scha2

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Num
1961	Anianson, G. 'The Integral Stopping Power of Liquid Hydrocarbons for 5.3 MeV Alpha-Particles.' <i>Kgl. Tekn. Hogsk. Handl (Sweden). No. 178, 1-31 (1961)</i> <i>Comment : S,R. 5.3 MeV He -> 21 Hydrocarbons</i>	1961-Ania
1961	Palmer, R. B. J. 'The Stopping Power for Alpha Particles of Ethyl Alcohol and Carbon Tetrachloride in the Liquid and Vapour State' <i>Proc. Phys. Soc., 78, 766-73 (1961)</i> <i>Comment : R. 1-8.9 MeV He -> C2H5OH, CCl4 (Liq. And Vap.)</i>	1961-Palm
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
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, 140, 490-98 (1965).</i> <i>Comment : S. 30-350 keV H, He -> C, Plastics</i>	1965-Saut
1965	Schuler, R. H. 'Radiolysis of Benzene by Heavy Ions' <i>Trans. Faraday Soc., 61, 100-109 (1965)</i> <i>Comment : S. 100 keV H, 500 keV He -> Benzene</i>	1965-Schu
1966	Kerr, G. D. Hain, L. M. Underwood, N. Walthers, A. W. 'Molecular Stopping Cross Sections of Air, N2, Kr, CO2 and CH4 for Alpha Particles' <i>Health Phys., 12, 1475-80 (1966)</i> <i>Comment : S. 0.3-5 MeV He -> N2, Air, Kr, CO2, CH4</i>	1966-Kerr
1966	Rotondi, E. 'Bragg's Additivity Law of Stopping Power for 5 MeV Alpha Particles in O2, N2, CO2, Co, NH3 and Hydrocarbon Gases' <i>NRC Canada Report No. NRC-9076 P. 1-6 (1966)</i> <i>Comment : S. 5 MeV He -> N2, O2, CO, CO2, NH3, Hydrocarbons</i>	1966-Roto
1966	Walsh, P. J. Underwood, N. 'Stopping Powers for Am241 Alpha Particles in Gases' <i>Bull. Am. Phys. Soc., 4, 534 (1966)</i> <i>Comment : S. 0.2-5.5 MeV He -> Propane, Ethylen, Acetylene</i>	1966-Wals

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Num
1968	Rotondi, E. 'Energy Loss of Alpha Particles in Tissue' <i>Rad. Res.</i> , 33, 1-9 (1968) <i>Comment</i> : S. 0.L-5.3 MeV He -> N2, O2, CH4, CO2	1968-Roto
1971	Bourland, P. D. Chu, W. K. Powers, D. 'Stopping Cross Section of Gases for Alpha Particles from 0.3 - 2.0 MeV' <i>Phys. Rev. B</i> , 3, 3625-35 (1971) <i>Comment</i> : S. 0.3-2.0 MeV He -> H2, O2, N2, NH3, N2O, CO, CO2, Hydrocarbons	1971-Bour
1971	Bourland, P. D. Powers, D. 'Bragg-Rule Applicability to Stopping Cross Sections of Gases for Alpha Particles of Energy 0.3 - 2.0 MeV' <i>Phys. Rev. B</i> , 3, 3635-41 (1971) <i>Comment</i> : S. 0.3-2.0 MeV He -> H2, O2, N2, NH3, N2O, CO, CO2, Hydrocarbons	1971-Bour2
1972	Powers, D. Chu, W. K. Robinson, R. J. Lodhi, A. S. 'Measurement of Molecular Stopping Cross Sections of Halogen-Carbon Compounds and Calculation of Atomic Cross Sections of Halogens' <i>Phys. Rev. A</i> , 6, 1425-35 (1972) <i>Comment</i> : S. 0.3-2.0 MeV He -> CF4, C2F6, C3F8, CCl4, CClF3, CCl2F2, CHCl2, CBrF3, C2H3Br, C2H5Br, C2H5I	1972-Powe
1972	Williamson, J. Watt, D. E. 'The Influence of Molecular Binding on the Stopping Power of Alpha Particles in Hydrocarbons' <i>Phys. Med. Biol.</i> , 17, 486-92 (1972) <i>Comment</i> : S. 1.5 MeV He -> C, H, Many Hydrocarbons	1972-Will
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</i> , 106, 241-43 (1973) <i>Comment</i> : dS. 5.2 MeV He -> He, Ne, Ar, Kr, CH4, CO2, N2, Air.	1973-AI
1973	Palmer, R. B. J. 'The Stopping Power of Organic Liquids for Alpha Particles over the Energy Range 1-8 MeV' <i>J. Phys. B: Atom. and Molec. Phys.</i> , 6, 384-92 (1973) <i>Comment</i> : S. 1-8 MeV He -> CCl4, Liq. and Sol. Hydrocarbons	1973-Palm
1973	Powers, D. Lodhi, A. S. Lin, W. K. Cox, H. L. 'Molecular Effects in the Energy Loss of Alpha Particles in Gaseous Media' <i>Thin Solid Films</i> , 19, 205-215 (1973) <i>Comment</i> : S. 0.3-2.0 MeV He -> CO, CO2, C2H3Br, C2H5Br, CbrF3, C2Br2F4, (CH3)2O, C2H2F2, Hydrocarbons.	1973-Powe

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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.</i> , 25, 67-71 (1973) <i>Comment</i> : S. (2.5-6 MeV) He -> H ₂ , Ne, He, C ₂ H ₆ , C ₃ H ₈ , C ₄ H ₁₀	1973-Weng
1974	Baglin, J. E. E. Ziegler, J. F. 'Tests of Bragg's Rule for Energy Loss of 4He Ions in Solid Compounds' <i>J. Appl. Phys.</i> , 45, 1413-1415 (1974) <i>Comment</i> : S. He (2 MeV) -> Si, Rh, Hf, Al, W, C, and many compounds	1974-Bagl
1974	Demidovich, N. N. Nakhutin, I. E. Shatunov, V. G. 'Energy-Loss and Range Straggling of Alpha Particles from Pu238 in Some Gases' <i>Yaderna Fiz. (Russia)</i> , 18, 133-41 (1973). [<i>Engl. Trans. Sov. J. Nucl. Phys.</i> , 18, 70-73 (1974).] <i>Comment</i> : S, dS. 3-5.5 MeV He -> CH ₄ , CO ₂ , CF ₄ , CF ₂ Cl ₂ , SF ₆	1974-Demi
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 -> CH ₄	1974-Side
1975	Al-Bedri, M. B. Harris, S. J. 'Dose Equivalent Rate in Basal Layer of Skin from Am-241 Alpha Particles' <i>Health Phys.</i> , 28, 814-818 (1975) <i>Comment</i> : S,R. He (0-4.5 MeV) -> Tissue equivalent gases and plastics. Differential range measurements.	1975-Al 2
1975	Brendle, M. Gugel, F. Steidle, G. 'The Ranges of Alpha Particles in H ₂ , He, CH ₄ and CO ₂ at Energies from 0.5 to 5.3 MeV.' <i>Nucl. Inst. Methods</i> , 130, 253-256 (1975) <i>Comment</i> : R. 0.5-5.3 MeV He -> H ₂ , He, CH ₄ , CO ₂	1975-Bren
1975	Burgess, V. W. E. 'The Stopping Power of Organic Compounds for Alpha Particles in the Range 1-8 MeV' <i>J. Phys. D: Appl. Phys.</i> , 8, 782-89 (1975) <i>Comment</i> : S. 1.5-8 MeV He -> Organic Compounds (Sol., Liq., Vap.)	1975-Burg
1976	Al-Bedri, M. B. 'Range-Energy Relationships and Energy Straggling of Energetic Ions in Various Stopping Media' <i>Preprint</i> (1976) <i>Comment</i> : S, dS, R, dR. H, 4He, Fission Fragments -> Gases and Solids	1976-Al

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1976	Whillock, M. J. Edwards, A. A. 'Measurements of the Stopping Cross Sections of Ethylene and Polyethylene Using Alpha Particles in the Energy Range 1.5-4.2 MeV' <i>EuroAtom Rpt. 5629, 115-120 (1976)</i> <i>Comment : S. He (1.5-4.2 MeV) -> Ethylene, Polyethylene</i>	1976-Whil
1978	Chau, E. K. L. Powers, D. 'Measurement of Molecular Stopping Cross Sections of Aldehydes and Ketones and Calculation of the Atomic Stopping Cross Section of Oxygen in Ring-Structure C-H-O Compounds' <i>J. Appl. Phys., 49, 2611-15 (1978)</i> <i>Comment : S. 0.3 - 2.0 MeV He -> Butyraldehyde, Acetone, 2-Butanone, 3-Pentanone</i>	1978-Chau
1978	Chau, E. K. L. Powers, D. Lodhi, A. S. Brown, R. B. 'Stopping Cross Sections of Three-Membered Ring-Structure Molecules and Their Double Bonded Isomers for 0.3 - 2.0-MeV He+ Ions.' <i>J. Appl. Phys., 49, 2346-2349 (1978)</i> <i>Comment : S. 0.3-2.0 MeV He -> Acetaldehyde, Ethylene Oxide, Propylene Oxide, Vinyl Methyl Ether</i>	1978-Chau2
1978	Dopheide, D. 'Calculated Measured Scintillation Response of Alpha-Particles in Planar Channeling- and Blocking-Experiments with Anthracene Single Crystals' <i>Z. Physik A, 288, 365-368 (1978)</i> <i>Comment : S, dS. 6-8 MeV 4He -> Anthracene</i>	1978-Doph
1978	Geary, M. J. Haque, A. K. M. M. 'A Spectrometer for the Study of Stopping power and Straggling for Alpha Particles in Liquids' <i>J. Phys. E, 11, 795-800 (1978)</i> <i>Comment : S,R. He (0.1-5.4 MeV) -> H2O, Tissue liquid. Preliminary results.</i>	1978-Gear
1978	Palmer, R. B. Akhavan-Rezayat, A. 'Range-Energy Relations and Stopping Power of Water, Water Vapour and Tissue-Equivalent Liquid for Alpha Particles from 0.5-8 MeV' <i>Proc. 6th Sym. Microdosimetry, EurAtom Rpt. 6064, 739-748 (1978)</i> <i>Comment : S,R. He (0-7 MeV) -> H2O, Tissue equivalent liquid.</i>	1978-Palm
1978	Whillock, M. J. Edwards, A. A. 'Comparison of the Stopping Cross Sections of Ethylene and Polyethylene Using Alpha Particles in the Energy Range 1.5-4.2 MeV' <i>Phys. Med. Biol., 23, 416-425 (1978)</i> <i>Comment : S. He (1.5-4.2 MeV) -> Ethylene, Polyethylene. Gas/solid stopping effects.</i>	1978-Whil

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1979	Aframian, A. 'Dependence of the Stopping Power of Charged Particles in the Physical State of Organic Dielectric Compounds' <i>Appl. Phys.</i> , 19, 353-358 (1979) <i>Comment</i> : S. He, Ar, Kr (1-40 MeV/amu) -> Cell-Nitrate, Polyethylene, Polystyrene, Mylar, Melinex	1979-Afra
1979	Brown, R. B. Powers, D. 'Measurements of the Molecular Stopping Cross-Sections of Organic Ring Compounds' <i>J. Appl. Phys.</i> , 50 (8), 5099-5104 (1979) <i>Comment</i> : S. He (0.3-2.0 MeV) -> Hydrocarbon gases	1979-Brow
1979	Dennis, J. A. Powers, D. 'The Dependence of Stopping Power on Physical and Chemical States' <i>Preprint (1979)</i> 8 <i>Comment</i> : S. H, He -> Gases (Review Of Current Data)	1979-Denn
1979	Whillock, M. J. Edwards, A. A. 'Determination of the Stopping Cross Sections of N, H, CH ₄ , C ₄ H ₁₀ and C ₃ H ₆ using Alpha Particles in the Range 1.3-4.2 MeV' <i>Phys. Med. Biol.</i> , 24, 518-524 (1979) <i>Comment</i> : S. He (1.3-4.2 MeV) -> N, H, CH ₄ , C ₄ H ₁₀ , C ₃ H ₆	1979-Whil
1980	Akhavan-Rezayat, A. Palmer, R. B. J. 'A Comparative Study of Two Methods for Measuring the Stopping Power of Liquids for Alpha Particles' <i>J. Phys. E</i> , 13, 877-881 (1980) <i>Comment</i> : S. He (2-7.5 MeV) -> H ₂ O, Alcohols (liquids)	1980-Akha
1980	Akhavan-Rezayat, A. Palmer, R. B. J. 'Range-Energy Relations and Stopping Powers of Organic Liquids and Vapours for Alpha Particles' <i>J. Phys. D: Appl. Phys.</i> , 13, 1971-1983 (1980) <i>Comment</i> : S, R. He (1.0-8.0 MeV) -> 5 Hydrocarbons (gases and liquids)	1980-Akha2
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.</i> , 25 (3), 509-518 (1980) <i>Comment</i> : S. H, He, C, N, O, Ar (25-375 keV) -> CH ₄ , CO ₂ , N ₂ (ionization chamber)	1980-Nguy
1980	Palmer, R. B. J. Akhavan-Rezayat, A. 'The Stopping Power of Liquids and Vapours for Alpha Particles' <i>Proc. 7th Sym. Microdosimetry, EurAtom Rpt. 7147, 221-230 (1980)</i> <i>Comment</i> : S. He (1.0-8.0 MeV) -> H ₂ O, Alcohols, Hydrocarbons. Stopping in gases and liquids.	1980-Palm

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1980	Powers, D. Olson, H. G. 'Determination of S-O Bond Order in Sulfur Dioxide and DiMethyl Sulfite using a Low Energy Particle Accelerator Technique' <i>J. Chem. Phys.</i> , 73 (5), 2271-2279 (1980) <i>Comment</i> : S. He (0.3-2000 keV) -> SO ₂ , (CH ₃ O) ₂ SO	1980-Powe2
1980	Thwaites, D. I. 'Stopping Cross Sections of Various Gases for Alpha Partifcles in the Energy Region 0.2-5.5 MeV' <i>Phys. Med. Biol.</i> , 25 (5), 865-875 (1980) <i>Comment</i> : S. He (0.2-5.5 MeV) -> He, N, Ar, CH ₄ , Air	1980-Thwa
1981	Bednyakov, A. A. Bulgakov, Y. V. Nikolaev, V. S. Chernov, V. L. 'Energy Stragglng of Hydrogen and Helium Ions in Al, C, and Polystyrene at Energies of Tens and Hundreds keV/amu' <i>Phys. Stat. Sol. A</i> , 68, 187 (1981) <i>Comment</i> : S, dS, H, He (70-1200 keV) -> Al, C, Polystyrene	1981-Bedn
1981	Thwaites, D. I. Watt, D. E. Yeung, T. K. 'Stopping Powers for Neutron Dosimetry' <i>Proc.4th Sym. on Neutron Dosimetry, EurAtom Rpt. 7448, 1, 291-303 (1981)</i> <i>Comment</i> : S. He (0.3-5.4 MeV) -> CH ₄ , C ₂ H ₄ , C ₃ H ₆ , C ₄ H ₁₀ (gases)	1981-Thwa2
1982	Fukuda, A. 'Stopping Powers of H ₂ , O ₂ , C ₂ H ₄ for 40-200 keV He and N Ions' <i>Phys. Med. Biol.</i> , 27 (1), 73-39 (1982) <i>Comment</i> : S. He, N (40-200 keV) -> H, O, C ₂ H ₄ (gases)	1982-Fuku
1982	Nagata, K. Kikuchi, J. Doke, T. Gruhn, C. R. 'Deposited Energy Losses of High Energy Heavy Ions in Thin Gas Layers' <i>Nucl. Inst. Methods</i> , 196, 41 (1982) <i>Comment</i> : S. He (40 MeV/amu) -> Ar (P-5 mixture)	1982-Naga
1982	Thwaites, D. I. 'Stopping Cross Sections of CH ₄ , C ₂ H ₄ , C ₃ H ₆ and C ₄ H ₁₀ for Alpha Particles in the Energy Region 0.3-5.5 MeV' <i>Phys. Med. Biol.</i> , 27 (4), 565-571 (1982) <i>Comment</i> : S.He (0.3-5.5 MeV) -> CH ₄ , C ₂ H ₄ , C ₃ H ₆ , C ₄ H ₁₀	1982-Thwa
1982	Thwaites, D. I. 'Molecular Stopping Cross-Sections of Hydrocarbons for Alpha Particles' <i>Proc. 8th Sym. Microdosimetry, EurAtom Rpt. 8395, 291-300 (1982)</i> <i>Comment</i> : S. He (1-5 MeV) -> 11 Hydrocarbon Gases	1982-Thwa2

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1983	Baumgart, H. Berg, H. Huttel, E. Pfaff, E. Reiter, G. 'He4 Stopping Cross Sections in H2, He, N2, O2, Ne, Ar, Kr, Xe, CH4 and CO2' <i>Nucl. Inst. Methods, 215, 319-328 (1983)</i> <i>Comment : S. He (0.1-1.2 MeV) -> H2, He, N2, O2, Ne, Ar, Kr, Xe, CH4 and CO2</i>	1983-Baum3
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	Powers, D. Olson, H. G. Gowda, R. 'Molecular Stopping Powers and Effect of Chemical Bonding in Gaseous Amine Compounds' <i>J. Appl. Phys., 55 (5), 1274-1277 (1984)</i> <i>Comment : S. He (0.3-2.0 MeV) -> Amine compounds (gases)</i>	1984-Powe
1984	Rezvani, M. Watt, D. E. 'Extrapolated Ranges and Stopping Cross-Sections for Alpha Particles (0.4-5.5 MeV in Normal and Cyclo-Hydrocarbons. 1: Gases and Vapours' <i>Phys. Med. Biol., 29, 811-827 (1984)</i> <i>Comment : S,R. He (0.4-5.5MeV) -> hydrocarbon gases and vapors.</i>	1984-Rezv
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
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
1986	Rechenmann, R. V. Senger, B. Sanders, J. B. Wittendorp, E. 'Recent Developments in the Study of Strong Ionizing Events distributed along alpha-Particle Tracks (E< 13.6 MeV) Recorded in Dense Media' <i>Nucl. Inst. Methods, B13, 141-145 (1986)</i> <i>Comment : S. He (1-13.6 MeV) -> Emul.</i>	1986-Rech
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

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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
1991	Haque, A. K. M. M. Nikjoo, H. 'Stopping Power for Alpha Particles in Organic Liquids and Vapours' <i>Nucl. Inst. Methods, B53, 15-23 (1991)</i> <i>Comment : S. He (0.5-5.5 MeV) -> H2O, methanol, ethenal, other organic compounds. Stopping in liquid andvVapor states.</i>	1991-Haqu
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
1999	Salah, H. Touchrift, B. Saad, M. 'The Influence of Physical State and Chemical Binding on the Energy Loww of Makrofol KG Polycarbonate for Helium Ions' <i>Nucl. Inst. Methods, B 139, 382-388 (1998)</i> <i>Comment : S. He (1 - 4 MeV) -> Makrofol KG Polycarbonate</i>	1998-Sala
1999	Apel, P. Spohr, R. Trautmann, C. Vutsadakis, V. 'Track Structure in Polyethylene Terephthalate Irradiated by Heavy Ion: LET Dependence of Track Diameter' <i>Rad. Meas., 31, 51-56 (1999)</i> <i>Comment : S. He (1 - 3 MeV) -> Mylar,Makrofol,Kapton</i>	1999-Apel
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