

Citations for : **Gas/Solid Targets Ion = He**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1948	Wilkinson, D. H. 'The Stopping Power of Polythene and Fast Neutron Flux Measurements' <i>Proc. Camb. Phil. Soc.</i> , 44, 114-23 (1948) <i>Comment</i> : S. 5.4 MeV He -> (CH ₂) _x . Hydrocarbons. Solid Rel. To Gas	1948-Wilk
1949	Appleyard, R. K. 'Stopping Power of Liquid Water for Alpha Particles' <i>Nature</i> , 163, 526 (1949) <i>Comment</i> : S. He (4-5 MeV) -> H ₂ O, Air. Relative measurments.	1949-Appl
1950	DeCarvalho, H. G. 'Range of Alpha-Particles in Water and Ice' <i>Phys. Rev.</i> , 78, 330 (1950) <i>Comment</i> : R. 5.3, 7.7 MeV He -> H ₂ O. Liq., Sol.	1950-DeCa
1952	DeCarvalho, H. G. Yagoda, H. 'The Range of Alpha-Particles in Water' <i>Phys. Rev.</i> , 88, 273-78 (1952) <i>Comment</i> : R. 5.3, 7.7 MeV He -> H ₂ O. Liq., Sol.	1952-DeCa
1959	Palmer, R. B. J. Simons, H. A. B. 'The Experimental Determination of the Range-Energy Relations for Alpha Particles in Water and Water Vapour and the Stopping Power of Water and Water Vapour for Alpha Energies Below 8.78 MeV' <i>Proc. Phys. Soc.</i> , 74, 585-98 (1959) <i>Comment</i> : R. 1-8.78 MeV He -> H ₂ O (Gas. And Liq.)	1959-Palm
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.</i> , 78, 766-73 (1961) <i>Comment</i> : R. 1-8.9 MeV He -> C ₂ H ₅ OH, CCl ₄ (Liq. And Vap.)	1961-Palm
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
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 -> CCl ₄ , Liq. and Sol. Hydrocarbons	1973-Palm

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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-AI 2
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
1977	Matteson, S. Powers, D. Chau, E. K. L. 'Physical-State Effect in the Stopping Cross Section of H ₂ O Ice and Vapor for 0.3 - 2.0 MeV Alpha Particles.' <i>Phys. Rev. A</i> , 15, 856 - 864 (1977) <i>Comment</i> : S. 0.3 - 2 MeV 4He -> H ₂ O (Both Solid And Gas Phase).	1977-Matt
1978	Chu, W. K. Braun, M. Davies, J. A. Matsunami, N. Thompson, D. A. 'Energy Loss of He Ions in Solidified Gases' <i>Nucl. Inst. Methods</i> , 149, 115-120 (1978) <i>Comment</i> : S. 0.5-2.0 MeV He -> Solid Ar, O, CO ₂	1978-Chu
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</i> , 739-748 (1978) <i>Comment</i> : S,R. He (0-7 MeV) -> H ₂ O, Tissue equivalent liquid.	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.</i> , 23, 416-425 (1978) <i>Comment</i> : S. He (1.5-4.2 MeV) -> Ethylene, Polyethylene. Gas/solid stopping effects.	1978-Whil
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

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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	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</i> , 221-230 (1980) <i>Comment</i> : S. He (1.0-8.0 MeV) -> H ₂ O, Alcohols, Hydrocarbons. Stopping in gases and liquids.	1980-Palm
1980	Thwaites, D. I. Watt, D. E. Yeung, T. K. 'Energy Loss Studies for Low Energy Heavy Charged Particles' <i>Proc. 7th Sym. Microdosimetry, EurAtom/Harwood Academic Pub.</i> , 1, 243-255 (1980) <i>Comment</i> : S. He (0.3-5.48 MeV) -> H ₂ O (gas and liquid)	1980-Thwa2
1981	Besenbacher, F. Bottiger, J. Graversen, O. Hansen, J. Sorensen, H. 'Stopping Power of Solid Argon for Helium Ions' <i>Nucl. Inst. Methods</i> , 188, 657-667 (1981) <i>Comment</i> : S. He (0.5-2.8 MeV) -> Ar solid / gas	1981-Bese2
1981	Thwaites, D. I. 'Stopping Cross Sections of Liquid Water and Water Vapour for Alpha Particles within the Energy Region 0.3-5.5 MeV' <i>Phys. Med. Biol.</i> , 26 (1), 71-80 (1981) <i>Comment</i> : S. He (0.3-5.5 MeV) -> H ₂ O (liquid and gas)	1981-Thwa
1982	Porter, L. E. Thwaites, D. I. 'Physical State Effects on the Mean Excitation Energy of Water as Determined from Alpha Particle Stopping Power Measurements' <i>Phys. Rev. A</i> , 25 (6), 3407-3410 (1982) <i>Comment</i> : S. He (2.0-5.5 MeV) -> H ₂ O (liquid and gas)	1982-Port
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</i> , 13, 71-74 (1985) <i>Comment</i> : S,dS, H, He (1-5.5 MeV) -> H ₂ O, methanol, ethanol, propanol, styrene, and polymers. Targets measured in Solid/Liquid/Gas phases.	1985-Haqu
1991	Haque, A. K. M. M. Nikjoo, H. 'Stopping Power for Alpha Particles in Organic Liquids and Vapours' <i>Nucl. Inst. Methods</i> , B53, 15-23 (1991) <i>Comment</i> : S. He (0.5-5.5 MeV) -> H ₂ O, methanol, ethanal, other organic compounds. Stopping in liquid and Vapor states.	1991-Haqu