

Stopping for Ion : **He** , Target = **Au**

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 0024
1909	Taylor, T. S. 'On the Retardation of Alpha Rays by Metals and Gases' <i>Phil. Mag., 18, 604-619 (1909)</i> <i>Comment : S. 7.7 MeV He -> Au, Sn, Pb, Al, H2, Paper, Collodium, Rel. To Air</i>	1909-Tayl 0117
1913	Marsden, E. Taylor, T. S. 'The Decrease in Velocity of Alpha-Particles in Passing through Matter' <i>Proc. Roy. Soc., A88, 443-454 (1913)</i> <i>Comment : S. 5-8 MeV He -> Al, Cu, Au, Air, Mica</i>	1913-Mars2 0088
1925	Henderson, D. 'The Capture and Loss of Electrons by Alpha-Particles' <i>Proc. Royal Soc., 109, 157-165 (1925)</i> <i>Comment : S. He (5-7 MeV) -> Air</i>	1925-Hend 1991
1926	Consigny, J. 'Pouvoir D'Arret De Quelques Metaux Pour Les Rayons Alpha' <i>C. R. Acad. Sci., 183, 127-29 (1926)</i> <i>Comment : S Rel. To Air. 5.3 MeV He -> Al, Cu, Ag, Au</i>	1926-Cons 0618
1928	Rosenblum, S. 'Recherches Experimentales Sur Le Passage Des Rayons Alpha a Travers La Matiere' <i>Ann. de Physique, 10, 408-471 (1928)</i> <i>Comment : S. 5.3 - 7.7 MeV He -> Li, Al, Fe, Ni, Cu, Zn, Mo, Pd, Ag, Cd, Sn, Pt, Au, Pb, Mica, AuAg Alloys, Ag-Cu Alloys</i>	1928-Rose 0110
1948	Wilcox, H. W. 'Experimental Determination of Rate of Energy Loss for Slow H1, H2, He4, Li6 Nuclei in Au and Al' <i>Phys. Rev., 74, 1743-54 (1948)</i> <i>Comment : S. 30-400 keV H, 30-650 keV D, 30-1400 keV He, 750-850 keV 6Li -> Al, Au</i>	1948-Wilc 0133
1959	Porat, D. I. Ramavataram, K. 'The Energy Loss of Helium and Nitrogen Ions in Metals' <i>Proc. Roy. Soc., A252, 394-410 (1959)</i> <i>Comment : S. (0.6 - 0.95 MeV) He -> Al, Ni, Ag, Au; (0.4 - 1.8 MeV) N -> Al, Ni, Au</i>	1959-Pora 0248
1959	Ramavataram, K. Porat, D. I. 'Measurement of Surface Density of Thin Foils' <i>Nucl. Inst. Methods, 4, 239-42 (1959)</i> <i>Comment : S. 3.72, 4.33 MeV He -> Al, Ni, Ag, Au all rel. To Air</i>	1959-Rama 0550

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1961	Porat, D. I. Ramavataram, K. 'Differential Energy Loss and Ranges of Ne, N, and He Ions' <i>Proc. Phys. Soc.</i> , 78, 1135-43 (1961)	1961-Pora2
	<i>Comment</i> : S. (0.4 - 6.2 MeV) D, He, Ne, N -> C, Al, Ni, Ag, Au	0250
1962	Blandin-Vial, J. 'Ralentissement Des Particules Du Thorium C Et Du Thorium C' Par Des Ecrans D'Or' <i>C. R. Acad. Sci.</i> , 254, 3842-44 (1962)	1962-Blan
	<i>Comment</i> : S. 6.05, 6.89 MeV He -> Au	0566
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)]	1962-Gott
	<i>Comment</i> : S. 2-15 keV H, D, He -> Al, Ti, Cu, Ge, Ag, Sn, Au	0159
1962	Teplova, Ya. A. Nikolaev, V. S. Dimitriev, I. S. Fateeva, L. N. 'Slowing Down of Multicharged Ions in Solids and Gases' <i>Zh. Eksp. Teor. Fiz.</i> , 42, 44-60 (1962)[<i>Engl. Trans. Sov. Phys., JETP</i> 15, 31-41 (1962)]	1962-Tepl
	<i>Comment</i> : S, R.(75-1500 keV/amu) He, Li, Be, B, C, N, O, Ne, Na, Mg, Al, P, Cl, K, Br, Kr -> H2, He, CH4, Benzene, Air, Ar, S. Same -> Al, Ni, Ag, Au	0362
1963	Barkan, S. 'Differential Energy Loss Measurements for Alpha-Rays in Metal Foils' <i>Rev. Fac. Sci. Univ. Istanbul C</i> , 28, 71-80 (1963)	1963-Bark
	<i>Comment</i> : S. 5-9 MeV He -> Al, Ni, Au.	0580
1965	Hosono, K. Ishiwari, R. Uemura, Y. 'Measurement of Absolute Energy Loss of 28 MeV Alpha Particles in Various Materials' <i>Bull. Inst. Chem. Res. Kyoto Univ.</i> , 43, 323-29 (1965)	1965-Hoso
	<i>Comment</i> : S. 28 MeV He -> Au, Sn, Mylar	0268
1966	Andreen, C. J. Hines, R. L. 'Channeling of D+ and He+ Ions in Gold Crystals' <i>Phys. Rev.</i> , 151, 341-48 (1966)	1966-Andr
	<i>Comment</i> : S. 15 keV D, He -> Au And Au (Cryst.)	0284
1966	Comfort, J. R. Decker, . F. Lynk, E. T. Scully, M. O. Quinton, A. R. 'Energy Loss and Stragglng of Alpha Particles in Metal Foils' <i>Phys. Rev.</i> , 150, 249-56 (1966)	1966-Comf
	<i>Comment</i> : S, dS. 2-9 MeV He -> Al, Ni, Ag, Au	0274
1966	Lutz, H. O. Datz, S. Moak, C. D. Noggle, T. S. 'Determination of Interatomic Potentials and Stopping Powers from Channeled-Ion Energy-Loss Spectra' <i>Phys. Rev. Letters</i> , 17, 285-87 (1966)	1966-Lutz2
	<i>Comment</i> : S, dS. 60 MeV I, 3 MeV He -> Au (Cryst.)	0267

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1967	Andreen, C. J. Hines, R. L. 'Critical Angles for Channelling of 1 to 25 keV H+, D+ and He+ in Gold Crystals' <i>Phys. Rev.</i> , 159, 285-90 (1967) <i>Comment</i> : S. 14-28 keV H, D, He -> Au, Au (Cryst.)	1967-Andr 0290
1967	Fiedler, O. Ulrich, D. 'Das Relative Bremsvermogen Einiger Substanzen Fur Alpha-Teilchen Bis 5 MeV' <i>Z. Physik</i> , 200, 493-98 (1967) <i>Comment</i> : S. 0.3-5 MeV He -> Al, Ag, Au, Zapon, Paraffine.	1967-Fied 0598
1968	Duc, T. M. Demeyer, A. Tousset, J. Chery, R. 'Determination Experimentale De La Perte D'Energie, Des Parcours Et De La Dispersion D'Un Faisceau De Particules Alpha De 54 MeV Dans Quelques Elements. J. Physique, 29, 129-135 (1968) <i>Comment</i> : R, S, dS. 54.4 MeV He -> Cu, Ag, Tb, Tm, Au, S, dS. 50-54 MeV He, 27 MeV D -> Al	1968-Duc 0329
1968	Ehrhardt, P. Rupp, W. Sizmann, R. 'Stopping Power of 0.5 to 3.5 MeV Alpha-Particles in Cu-Au Alloys.' <i>Phys. Stat. Sol.</i> , 28, K35-37 (1968) <i>Comment</i> : S. 0.5-3.5 MeV He -> Cu, Au, Cu-Au Alloys	1968-Ehrh 0368
1969	Datz, S. Moak, C. D. Noggle, T. S. Appleton, B. R. Lutz, H. O. 'Potential Energy and Differential-Stopping-Power Function from Energy Loss Spectra of Fast Ions Channeled in Gold Single Crystals' <i>Phys. Rev.</i> , 179, 315-26 (1969) <i>Comment</i> : S. 3 MeV He, 60 MeV 127I -> Au (Cryst.)	1969-Datz 0384
1969	Gibson, W. M. Rasmussen, J. B. Olesen, P. A. Andreen, C. J. 'Charged-Particle Energy Loss in Thin Gold Crystals' <i>Can. J. Phys.</i> , 46, 551-60 (1968) [Erratum, <i>Can. J. Phys.</i> , 47, 1756 (1969)] <i>Comment</i> : S, dS. 400 keV H, 800 keV He -> Au (Cryst.)	1969-Gibs 0343
1969	Nakata, H. 'Ranges of Nitrogen Ions in Se and Energy Losses of Alpha Particles in Al, N, Se, Ag, and Au' <i>Can. J. Phys.</i> , 47, 2545-52 (1969). [Erratum, <i>Can. J. Phys.</i> , 48, 1745 (1970) <i>Comment</i> : S. (1.4-10 MeV) He, N -> Se, Al, Ni, Ag, Au	1969-Naka 0411
1970	Hogberg, G. Norden, H. Skoog, R. 'Energy Loss and Energy Straggling of Well Channelled Hydrogen, Helium and Lithium Ions in Gold' <i>Phys. Stat. Sol.</i> , 42, 441-51 (1970) <i>Comment</i> : S, dS. 2-54 keV H, D, He, Li -> Au (Crst.)	1970-Hogb 0426

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1971	Ishiwari, R. Shiomi, N. Shirai, S. Ohata, T. Uemura, Y. 'Stopping Power of Be, Al, Cu, Mo, Ta and Au for 28 MeV Alpha Particles' <i>Bull. Inst. Chem. Res. Kyoto Univ., 49, 403-08 (1971)</i> <i>Comment : S. 28 MeV He -> Be, Al, Cu, Mo, Ta, Au</i>	1971-Ishi2 0436
1971	Lutz, H. Ambros, R. Mayer-Boricke, C. Reichelt, K. Rogge, M. 'Experimental Evidence of Fine Structure in Channeling Lines' <i>Z. Naturforschg. 26A, 1105-08 (1971)</i> <i>Comment : S, dS. 2 MeV He -> Au (Cryst.)</i>	1971-Lutz 0669
1971	VanWijngaarden, A. Miremadi, B. Baylis, W. E. 'Energy Spectra of keV Backscattered Protons as a Probe for Surface Region Studies' <i>Can. J. Phys., 49, 2440-48 (1971)</i> <i>Comment : S. 20-100 keV H, He -> Au</i>	1971-VanW 0433
1972	Appleton, B. R. Barrett, J. H. Noggle, T. S. Moak, C. D. 'Orientation Dependence of Intensity and Energy Loss of Hyperchanneled Ions' <i>Rad. Effects, 13, 171-81 (1972)</i> <i>Comment : S,dS. 21.6-60 MeV 127I, 3 MeV He -> Au, Ag (Both Cryst.)</i>	1972-Appl 0483
1972	Borders, J. A. 'Helium Ion Stopping Cross Sections in Gold' <i>Rad. Effects, 16, 253-57 (1972)</i> <i>Comment : S. 0.4-1.9 MeV He -> Au</i>	1972-Bord 0465
1972	Ward, D. Graham, R. L. Geiger, J. S. 'Measurement of Stopping Power for 4He, 16O and 35Cl Ions at =1 to =3 MeV Per Nucleon in Ni, Ge, Y, Ag, and Au' <i>Can. J. Phys., 50, 2302-12 (1972)</i> <i>Comment : S. 3-15 MeV He, 8-66 MeV O, 10-90 MeV 35Cl -> Ni, Ge, Y, Ag, Au</i>	1972-Ward 0434
1973	Chu, W. K. Ziegler, J. F. Mitchell, I. V. Mackintosh, W. D. 'Energy-Loss Measurements of 4He Ions in Heavy Metals' <i>Appl. Phys. Letters, 22, 437-39 (1973)</i> <i>Comment : S. 2.0 MeV He -> Al, Si, V, Fe, Co, Ni, Cu, In, Ge, Mo, Sb, Te, Gd, Hf, Ta, W, Ir, Pt, Au, Pb</i>	1973-Chu 3 0124
1973	Feng, J. S. -Y. Chu, W. K. Nicolet, M. -A. Mayer, J. W. 'Relative Measurements of Stopping Cross Section Factors by Back-Scattering' <i>Thin Solid Films, 19, 195-204 (1973)</i> <i>Comment : S (1-2 MeV) He -> Au, Ag, Cu, Al, Si. Relative Stopping</i>	1973-Feng 0503

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1973	Ishiwari, R. Shiomi, N. Shirai, S. 'Tabulated Results of Stopping Power Measurements of Be, Al, Ti, V, Fe, Co, Ni, Cu, Mo, Rh, Ag, Ta, and Au for 28.8 MeV Alpha Particles.' <i>J. Phys. Soc. Jap. (1973).</i> <i>Comment : S. 28.8 MeV He -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Mo, Rh, Ag, Ta, Au</i>	1973-Ishi 0920
1973	Lin, W. K. Olson, H. G. Powers, D. 'Alpha-Particle Stopping Cross Section of Solids from 0.3 to 2.0 MeV.' <i>Phys. Rev. B, 8, 1881-88 (1973)</i> <i>Comment : S. 0.3-2.0 MeV He -> Se, Y, Zr, Nb, Mo, Sb, Te, La, Dy, Ta, W, Au</i>	1973-Lin 2 0500
1974	Lin, W. K. Matteson, S. Powers, D. 'Alpha-Particle Stopping Cross Section of Gold and Silver as Measured from Thick Targets' <i>Phys. Rev. B, 10, 3746-55 (1974)</i> <i>Comment : S. 0.3-2.0 MeV He -> Au, Ag</i>	1974-Lin 0820
1975	Harris, J. M. Nicolet, M. -A. 'Energy Straggling of 4He Ions Below 2 MeV in Al, Ni, Pt, and Au' <i>J. Vac. Sci. Technol., 12, 439-43 (1975)</i> <i>Comment : S,dS. 0.6-2.0 MeV He -> Al, Ni, Pt, Au</i>	1975-Harr 0521
1975	Harris, J. M. Nicolet, M-A. 'Energy Straggling of 4He Ions below 2MeV in Al, Ni and Au.' <i>Phys. Rev. B, 11, 1013-19 (1975)</i> <i>Comment : S,dS. 1-2 MeV He -> Al, Ni, Au</i>	1975-Harr2 0704
1975	Ishiwari, R. Shiomi, N. Shirai, S. 'Z1*3 Effect on the Stopping Powers of Several Metallic Elements for 28.8 MeV Alpha Particles: Deviations of Experimental Data from Theories.' <i>Phys. Letters A, 51, 54-54 (1975)</i> <i>Comment : S. 28.8 MeV He -> Al, Ti, Fe, Ni, Cu, Mo, Ag, Ta, Au</i>	1975-Ishi 0781
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., 8, 1551-59 (1975)</i> <i>Comment : S. 4-16 keV H, He -> Cu, Ag, Au</i>	1975-Nomu 0752
1976	Andersen, H. H. Bak, J. F. Knudsen, H. Moller-Petersen, P. Nielsen, B. R. 'Experimental Investigations of Higher-Order Z1 Corrections to the Bethe Stopping Power Formula, in B' <i>Navinsek (Ed.) Physics of Ionized Gases, 1976. Contributed Papers. J. Stefan Institute. Ljubljana. P. 221-23 (1976)</i> <i>Comment : S. 3-6.8 MeV D, 5-13 MeV He, 8.5-21 MeV 7Li -> Ag, Au</i>	1976-Ande 0894

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1976	Schertzer, B. M. U. Borgesen, P. Nicolet, M. -A. Mayer, J. W. 'Determination of Stopping Cross Sections by Rutherford Backscattering' <i>O. Meyer, G. Linker, F. Kappeler (Ed.): Ion Beam Surface Layer Analysis. Plenum, N. Y., 33-46 (1976)</i> <i>Comment : S. 0.2-2.0 MeV He -> Au, Pt, Ta2O5, SiO2</i>	1976-Sche 0786
1976	Thieme, G. 'Bestimmung Des Elektronischen Energieverlustes von H+-, He+ - und N+ -Ionen in Gold Durch Vergleich von Messergebnissen Mit Monte-Carlo-Rechnungen' <i>Vakuum-Technik, 25, 5-12 (1976)</i> <i>Comment : S. 40-110 keV H, He, N -> Au</i>	1976-Thie 0822
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	Borgesen, P. Nicolet, M. A. 'Stopping Cross Section Measurements with Thin Supported Films' <i>Nucl. Inst. Methods, 140, 541-548 (1977)</i> <i>Comment : S. 0.5-2.0 MeV He -> Al, Au, Pt</i>	1977-Borg 1046
1977	Datz, S. DelCampo, J. G. Dittner, P. F. Miller, P. D. Biggerstaff, J. A. 'Higher-Order Z1 Effects and Effects of Screening by Bound K-Electrons on the Electronic Stopping of Channeled Ions' <i>Phys. Rev. Letters, 38, 1145-1148 (1977)</i> <i>Comment : S. 2 MeV/amu H, He, Li, Be, B, C, N, O, F, 3.5 MeV/amu H, He, Li, Be, B -> Au [111]</i>	1977-Datz 1075
1977	Datz, S. Gomez del Campo, J. Dittner, P. F. Miller, P. D. Biggerstaff, J. A. 'Higher Order Z1 Effects and Effects of Screening by Bound k-electrons on the Electronic Stopping of Channeled Ions' <i>Phys. Rev. Letters, 38, 1145-1148 (1977)</i> <i>Comment : S. H, He, Li, Be, B (3.5 MeV/amu) -> Au Channeled stopping powers.</i>	1977-Datz2 2106
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	Ndocko-Ndongue, V. B. Pape, A. J. Armbruster, R. 'Low Energy Stopping Powers of Some Heavy Ions in Gold' <i>Rad. Effects, 33, 91-93 (1977)</i> <i>Comment : S. 50-500 keV 4He, 12C, 14N, 16O, 20Ne, 28Si, 40Ar -> Au</i>	1977-Ndoc 1035

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1978	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Re-Evaluation of Stopping Powers of Be,Al, Ti, V, Fe, Co, Ni, Cu, Mo, Rh, Ag, Ta, and Au for 28 MeV Alpha Particles' <i>Bull. Inst. Chem. Res. Kyoto Univ., 56, 47-48 (1978)</i> <i>Comment : S, dS. 28 MeV He -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Mo, Rh, Ag, Ta, Au</i>	1978-Ishi3 1169
	Matteson, S. Harris, J. M. Pretorius, R. Nicolet, M-A. 'Precision Stopping Cross Section Measurement of Gold for 4He' <i>Nucl. Inst. Methods, 149, 163-167 (1978)</i> <i>Comment : S. 0.5-2.1 MeV He -> Au</i>	1978-Matt 1143
1979	Fontell, A. Luomajarvi, M. 'Stopping Powers of Ag and Au for 0.3 - 2.0 MeV 4He Ions.' <i>Phys. Rev. B, 19, 159-162 (1979)</i> <i>Comment : S, dS. 0.3-2.0 MeV He -> Ag, Au</i>	1979-Font 1200
	Mertens, P. 'Electronic Stopping Cross Sections of 50-300 keV He and Li Ions' <i>Phys. Rev. A, 19, 1442-1447 (1979)</i> <i>Comment : S. 50-300 keV He, Li -> C, Al, Cu, Ag, Au</i>	1979-Mert 1130
1979	Santry, D. C. Werner, R. D. 'Thickness Measurements of Thin Foils using Alpha Particles from 148Gd and 241Am' <i>Nucl. Inst. Methods, 159, 523-527 (1979)</i> <i>Comment : S, dS. 3.138 MeV - 5.486 MeV He -> Be, C, Al, Si, Ni, Ag, Au</i>	1979-Sant3 1350
	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 Polystyrene 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
	Blume, R. Eckstein, W. Verbeek, H. 'Electronic Energy Loss of H, D, and He in Au Below 20 keV' <i>Nucl. Inst. Methods, 168, 57-62 (1980)</i> <i>Comment : S. 2-20 keV H, D, He -> Au</i>	1980-Blum 1127
1980	Friedland, E. Lombaard, J. M. 'Energy-Loss Stragglings of Al, Ni, and Au' <i>Nucl. Inst. Methods, 168, 25-27 (1980)</i> <i>Comment : S, dS. .4-2.2 MeV He -> Al, Ni, Au</i>	1980-Frie 1315

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1980	Reid, I. Scanlon, P. J. 'High Stopping Power of Thin Gold Films' <i>Nucl. Inst. Methods, 170, 211 (1980)</i> <i>Comment : S. 140-1000 keV/amu H, 32-500 keV/amu He -> Au</i>	1980-Reid 1254
1980	Thompson, D. A. Poehlman, W. F. S. 'Stopping Powers and Backscattering Charge Fractions for 20-150 keV H+ and He+ on Gold' <i>Nucl. Inst. Methods, 168, 63-69 (1980)</i> <i>Comment : S, dA. 20-150 keV H, He -> Au</i>	1980-Thom 1310
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 Power Values of C, Al, Si, Ni, Ag and Au for 3He Ions' <i>Nucl. Inst. Methods, 185, 517-521 (1981)</i> <i>Comment : S. He3 (200-2000 keV) -> C, Al, Si, Ni, Ag, Au</i>	1981-Sant2 1449
1981	Thompson, D. A. Poehlman, W. B. S. Presunka, P. Davies, J. A. 'Stopping Powers for 20-140 keV H and He on Ni, Ag and Au' <i>Nucl. Inst. Methods, 191, 469 (1981)</i> <i>Comment : S. H, He (20-140 keV) -> Ni, Ag, Au</i>	1981-Thom 1778
1982	Blume, R. Eckstein, W. Verbeek, H. Reichelt, K. 'Electronic Energy Loss of H, D, and He in Single Crystal Gold Films in the Energy Range below 15 keV' <i>Nucl. Inst. Methods, 194, 67 (1982)</i> <i>Comment : S. H, D, He (0.6-15 keV) -> Ag (crystal)</i>	1982-Blum 1625
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
1982	Lennard, W. N. Andrews, H. R. Freeman, M. Ward, D. 'Time of Flight System for Slow Heavy Ions' <i>Nucl. Inst. Methods, 203, 565 (1982)</i> <i>Comment : S. He (650 keV) -> C, Au</i>	1982-Lenn 1701
1982	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

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1982	Schultz, F. Brandt, W. 'Effective Charge of Low Velocity Ions in Matter: A Comparison of Theoretical Predictions with Data Derived from Energy Loss Measurements' <i>Phys. Rev. B, 26, 4864 (1982)</i> <i>Comment : S. He, N, Ne, Ar (0.5-1.3 Vo) -> C, Al, Au</i>	1982-Schu 1959
1982	Stoquert, J. P. Abdesselam, A. Beaumevieille, H. Boudouma, Y. Oberlin, J. C. 'Alpha Particle Stopping Cross Sections of Cu and Au at Energies below 3 MeV' <i>Nucl. Inst. Methods, 194, 51 (1982)</i> <i>Comment : S. He (500-3000 keV) -> Cu, Au</i>	1982-Stoq 1775
1983	Alberts, H. W. Malherbe, J. B. 'Energy Loss and Straggling of p, d, and Alpha Particles in Au in the Energy Region 0.2-2.4 MeV' <i>Rad. Effects, 69, 231 (1983)</i> <i>Comment : S., dS. H, D, He (0.2-2.4 MeV) -> Au</i>	1983-Albe 1593
1983	Takahashi, T. Awaya, Y. Tonuma, T. Kumagai, H. Izumo, K. 'Stopping Power of Ni, Ag, Au and Pb for about 7 MeV/amu Alpha Particles and Carbon Ions: Z1*3 Deviation from the Bethe Formula' <i>Phys. Rev. A, 27 (3), 1360-1364 (1983)</i> <i>Comment : S. He, C (7 MeV) -> Ni, Ag, Au, Pb</i>	1983-Taka 1442
1984	Desmarais, D. Duggan, J. L. 'An Undergraduate Alpha Particle Time of Flight Experiment for Determining the Mean Excitation Energy for Electronic Stopping Power of Al, Cu, Ag and Au' <i>Am. J. Phys., 52, 408-411 (1984)</i> <i>Comment : S. He (2.5-3.8 MeV) -> Al, Cu, Ag, Au</i>	1984-Desm 1638
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	Santry, D. C. Werner, R. D. 'Stopping Powers of C, Al, Si, Ti, Ni, Ag, Au and Mylar using Radioactive Alpha Sources' <i>Nucl. Inst. Methods, B1, 13 (1984)</i> <i>Comment : S. He (2-7 MeV) -> > C, Al, Si, Ti, Ni, Ag, Au, Mylar</i>	1984-Sant 1757

Stopping for Ion : **He** , Target = **Au**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1986	Bednyakov, A. A.. Chumanov, V. Y. Chumanova, O. V. Iferov, G. A. Khodyrev, V. A. 'Dependence of Energy Loss of light Ions in Au on Scattering Angle and Target Thickness in the Energy Interval 25-500 keV/amu' <i>Nucl. Inst. Methods, B13, 146 (1986)</i> <i>Comment : S. He (40-500 keV) -> Au (angular dependence, target thickness)</i>	1986-Bedn 1616
1990	Iferov, G. A. Zhukova, Y. N. Chumanov, V. Y. Chumanova, O. V. 'The Angular Dependence of the Energy Loss of Helium Ions in an Au Foil' <i>Nucl. Inst. Methods, B48, 43-46 (1990)</i> <i>Comment : S. He (0.2-1.0 MeV) -> Au</i>	1990-Ifer 1932
1990	Semrad, D. Eppacher, C. Tober, R. Eppacher, C. 'The Stopping Power of Ag and Au with regard to Higher Order Z1 Effects' <i>Nucl. Inst. Methods, B48, 79 (1990)</i> <i>Comment : S. H, D, He, Li, C (20-700 keV) ->Ag, Au</i>	1990-Semr 1979
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	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
1993	Huang, X. Lu, X. Jin, C. Zhou, C. Ye, Y. 'Stopping Power of Au and Ag for He Ions' <i>Chinese Phys. Letters, 10, 205-208 (1993)</i> <i>Comment : S. He (0.45-5.0 MeV) -> Au, Ag</i>	1993-Huan 1871
1993	Mikheev, S. Ryzhov, Y. Shkarban, I. Yurasova, V. 'Inelastic Losses of Low Energy Ions Transmitted through Thin Films' <i>Nucl. Inst. Methods, B78, 86-90 (1993)</i> <i>Comment : S. He, Ne, Ar (1-10 keV) -> C, Ca, Ag and Ni</i>	1993-Mikh 1870
1994	Bae, Y. D. Bak, H. I. 'Measurement of He Ion Stopping Cross Sections for Cu, Ag and Au around the Maximum' <i>New Physics (Korea), 34, 423-433 (1994)</i> <i>Comment : S. He (0.2-2.0 MeV) -> Cu, Ag, Au</i>	1994-Bae 1666

Stopping for Ion : **He** , Target = **Au**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1994	Bak, H. I. Bae, Y. D. Kim, C. S. Kim, M. S. 'Measurement of the Stopping Cross Sections of Cu, Ag, Au for 0.2-1.9 MeV He Ions' <i>Nucl. Inst. Methods, B93, 234-240 (1994)</i> <i>Comment : S. He (0.2-1.9 MeV) -> Cu, Ag, Au</i>	1994-Bak 1472
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
1995	Bak, H. Bae, Y. D. Byun, S. H. 'Reliability Analysis for the Method of Stopping Cross Section Determination with the Energy Width of RBS' <i>Sae Mulli (Korea), 35, 202-206 (1995)</i> <i>Comment : S. He (0.4-2.0 MeV) -> Cu, Ag, Au</i>	1995-Bak 1839
1995	Byun, S. H. Bak, H. I. 'Measurement of the Stopping Cross Section of Au for 0.2-1.8 MeV He Ions from the Energy Width of the Rutherford Backscattering Spectrum' <i>Sae Mulli (Korea), 35, 689-693 (1995)</i> <i>Comment : S. He (0.2-1.8 MeV) -> Au</i>	1995-Byun 2065
1995	Hae-Ill-Bak Young-Dug-Bae Soo-Hyun-Byun 'Reliability Analysis for the Method of Stopping Cross-Section Determination with the Energy Width of Rutherford Backscattering Spectrum' <i>Sae-Mulli, 35, 202-206 (1995)</i> <i>Comment : S. dS. He (0.4 - 2.0 MeV) -> Cu, Ag, Au</i>	1995-Hae 2379
1997	Soo-Hyun-Byun Hae-Ill-Bak 'Measurement of the Stopping Cross-Section of Au for 0.2-1.8 MeV He Ions from the Energy Width of the Rutherford Backscattering Spectrum (in Korean)' <i>Sae-Mulli, 35, 689-693 (1994)</i> <i>Comment : He (0.2 - 1.8 MeV) -> Au</i>	1995-Soo 2377
1996	Byun, S. H. Bak, H. I. 'Measurement of the Stopping Cross-Section of Au for 0.2-1.8 MeV He Ions from the Energy Width of the RBS Spectrum' <i>Korean J. Phys., 35, 689-693 (1996)</i> <i>Comment : S. He (0.2-1.8 MeV) -> Au</i>	1996-Byun 1819

Stopping for Ion : **He** , Target = **Au**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1996	Martinez-Tamayo, G. Eckardt, J. C. Lantschner, G. H. Arista, N. R. 'Energy Loss of H and He Ions in Al, Zn, and Au in the Intermediate Energy Range' <i>Phys. Rev. A, 54, 3131-3138 (1996)</i> <i>Comment : S. H, He (1-200 keV) -> Al, Zn and Au</i>	1996-Mart 1267
1999	Chekirine, M. Ammi, H. 'Stopping Power of 1.0-3.0 MeV Helium in Mylar, Makrofol and Kapton Foils' <i>Rad. Meas., 30, 131-135 (1999)</i> <i>Comment : He (0.2 - 1.8 MeV) -> Au</i>	1999-Chek 2375
2002	Geissel, H. Weick, H. Scheidenberger, C. Bimbot, R. Gardes, D. 'Experimental Studies of Heavy-Ion Slowing Down in Matter' <i>Nucl. Inst. Methods, B195, 3-54 (2002)</i> <i>Comment : S. Summary of 18 Heavy Ion Stopping in 26 Targets</i>	2002-Geis 3141
2002	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
2004	Hsu, J. Y. Yu, Y. C. Liang, J. H. Chen, K. M. Niu, H. 'Energy Loss of He, Li and B Isotopes with MeV Energies in Au' <i>Nucl. Inst. Methods, B219-220, 251-255 (2004)</i> <i>Comment : S. He, Li B -> Au</i>	2004-Hsu 3105
2005	Zhang, Yanwen Weber, W. J. Raxpet, A. Possnert, G. 'Electronic stopping powers for He, Be and F ions in Au' <i>Nucl. Instrum. Methods B227,479 (2005)</i> <i>Comment : S. Be, F (0.1 - 0.6 MeV/n) -> Au</i>	2005-Zha1 3221