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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1928	Rosenblum, S. **'Recherches Experimentales Sur Le Passage Des Rayons Alpha a Travers La Matiere'** ***Ann. de Physique, 10, 408-471 (1928)*** *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*	**1928-Rose** 0110
1959	Porat, D. I. Ramavataram, K. **'The Energy Loss of Helium and Nitrogen Ions in Metals'** ***Proc. Roy. Soc., A252, 394-410 (1959)*** *Comment : S. (0.6 - 0.95 MeV) He -> Al, Ni, Ag, Au; (0.4 - 1.8 MeV) N -> Al, Ni, Au*	**1959-Pora** 0248
1959	Ramavataram, K. Porat, D. I. **'Measurement of Surface Density of Thin Foils'** ***Nucl. Inst. Methods, 4, 239-42 (1959)*** *Comment : S. 3.72, 4.33 MeV He -> Al, Ni, Ag, Au all rel. To Air*	**1959-Rama** 0550
1960	Roll, P. G. Steigert, F. E. **'Energy Loss of Heavy Ions in Nickel, Oxygen and Nuclear Emulsion'** ***Nucl. Phys., 17, 54-66 (1960)*** *Comment : S. He, B, C, N, O, F, Ne (2-10 MeV/amu) -> O, Ni, Emulsion*	**1960-Roll** 0220
1961	Porat, D. I. Ramavataram, K. **'Differential Energy Loss and Ranges of Ne, N, and He Ions'** ***Proc. Phys. Soc., 78, 1135-43 (1961)*** *Comment : S. (0.4 - 6.2 MeV) D, He, Ne, N -> C, Al, Ni, Ag, Au*	**1961-Pora2** 0250
1962	Teplova, Ya. A. Nikolaev, V. S. Dimitriev, I. S. Fateeva, L. N. **'Slowing Down of Multicharged Ions in Solids and Gases'** ***Zh. Eksp. Teor. Fiz., 42, 44-60 (1962)[Engl. Trans. Sov. Phys., Jetp15, 31-41 (1962)]*** *Comment : 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*	**1962-Tepl** 0362
1963	Barkan, S. **'Differential Energy Loss Measurements for Alpha-Rays in Metal Foils'** ***Rev. Fac. Sci. Univ. Istanbul C, 28, 71-80 (1963)*** *Comment : S. 5-9 MeV He -> Al, Ni, Au.*	**1963-Bark** 0580
1966	Comfort, J. R. Decker, . F. Lynk, E. T. Scully, M. O. Quinton, A. R. **'Energy Loss and Straggling of Alpha Particles in Metal Foils'** ***Phys. Rev., 150, 249-56 (1966)*** *Comment : S, dS. 2-9 MeV He -> Al, Ni, Ag, Au*	**1966-Comf** 0274
1967	Bogdanov, G. F. Kabaev, V. P. Lebedev, F. V. Noviko, G. M. **'Stopping Power of Nickel for Protons and He Ions for the Energy Range 20-95 keV'** ***Atomnaya Energiya (USSR), 22, 126-27 (1967) [Engl. Trans. Sov. Atom. Energy, 22, 133-34, (1967)]*** *Comment : S. 20-95 keV H, He -> Ni*	**1967-Bogd** 0317

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1969	Chu, W. K. Powers, D. **'Alpha-Particle Stopping Cross Sections in Solids from 400 keV to 2 MeV'** ***Phys. Rev., 187, 478-90 (1969)*** *Comment : S. 0.4-2.0 MeV He -> Be, C, Mg, Al, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Ge, Pd, Ag, In, Sn*	**1969-Chu** 0382
1969	Nakata, H. **'Ranges of Nitrogen Ions in Se and Energy Losses of Alpha Particles in Al, N, Se, Ag, and Au'** ***Can. J. Phys., 47, 2545-52 (1969). [Erratum, Can. J. Phys., 48, 1745 (1970)*** *Comment : S. (1.4-10 MeV) He, N -> Se, Al, Ni, Ag, Au*	**1969-Naka** 0411
1969	White, W. Mueller, R. M. **'Electron-Stopping Cross Sections of 1H, 4He Particles in Cr, Mn, Fe, Co, Ni, and Cu at Energies Near 100 keV'** ***Phys. Rev., 187, 499-503 (1969)*** *Comment : S. 25-140 keV H, 40-120 keV He -> Cr, Mn, Fe, Co, Ni, Cu*	**1969-Whit** 0389
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'** ***Can. J. Phys., 50, 2302-12 (1972)*** *Comment : S. 3-15 MeV He, 8-66 MeV O, 10-90 MeV 35Cl -> Ni, Ge, Y, Ag, Au*	**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'** ***Appl. Phys. Letters, 22, 437-39 (1973)*** *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*	**1973-Chu 3** 0124
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.'** ***J. Phys. Soc. Jap. (1973).*** *Comment : S. 28.8 MeV He -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Mo, Rh, Ag, Ta, Au*	**1973-Ishi** 0920
1973	Linker, G. Meyer, O. Gettings, M. **'Back-Scattering Energy Loss Parameters Measurements in Thin Metal Films'** ***Thin Solid Films, 19, 177-185 (1973)*** *Comment : S. 2 MeV He -> Ni, V, Ni, Mo, Ta*	**1973-Link** 0501
1975	Harris, J. M. Nicolet, M. -A. **'Energy Straggling of 4He Ions Below 2 MeV in Al, Ni, Pt, and Au'** ***J. Vac. Sci. Technol., 12, 439-43 (1975)*** *Comment : S,dS. 0.6-2.0 MeV He -> Al, Ni, Pt, Au*	**1975-Harr** 0521
1975	Harris, J. M. Nicolet, M-A. **'Energy Straggling of 4He Ions below 2MeV in Al, Ni and Au.'** ***Phys. Rev. B, 11, 1013-19 (1975)*** *Comment : S,dS. 1-2 MeV He -> Al, Ni, Au*	**1975-Harr2** 0704

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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.'** ***Phys. Letters A, 51, 54-54 (1975)*** *Comment : S. 28.8 MeV He -> Al, Ti, Fe, Ni, Cu, Mo, Ag, Ta, Au*	**1975-Ishi** 0781
1977	Mertens, P. **'Energy Loss of Light 100 - 300 keV Ions in Thin Metal Foils'** ***Nucl. Inst. Methods, 149, 149-153 (1978)*** *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*	**1977-Mert** 0928
1978	Baglin, J. E. E. Chu, W. K. **'Stopping Power of 0.3 - 2.6 MeV 4He Ions in Fe and Ni.'** ***Nucl. Inst. Methods, 149, 695-699 (1978).*** *Comment : S. 0.3 - 2.6 MeV 4He -> Fe, Ni*	**1978-Bagl** 0927
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'** ***Bull. Inst. Chem. Res. Kyoto Univ., 56, 47-48 (1978)*** *Comment : S, dS. 28 MeV He -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Mo, Rh, Ag, Ta, Au*	**1978-Ishi3** 1169
1978	Luomajarvi, M. **'Stopping Powers of Ti, Mn, Ni, and Zn for 0.5-2.0 MeV 4He Ions Relative to Those of Al and Cu.'** ***Rad. Effects, 37, 223-227 (1978)*** *Comment : S. 0.5-2.0 MeV 4He -> Ti, Mn, Ni, Zn*	**1978-Luom** 1202
1979	Pucherov, N. N. Chesnokova, T. D. **'Energy loss of Helium Ions 3-7 MeV in B, Ti, Fe, Ni, Ni, Cu (In Russian)'** ***Ukr. Fiz. Zh., 24, 372-376 (1979)*** *Comment : S. He (3-7 MeV) -> B, Bi, Fe, Ni, Cu..*	**1979-Puch** 1956
1979	Santry, D. C. Werner, R. D. **'Thickness Measurements of Thin Foils using Alpha Particles from 148Gd and 241Am'** ***Nucl. Inst. Methods, 159, 523-527 (1979)*** *Comment : S, dS. 3.138 MeV - 5.486 MeV He -> Be, C, Al, Si, Ni, Ag, Au*	**1979-Sant3** 1350
1980	Friedland, E. Lombaard, J. M. **'Energy-Loss Straggling of Al, Ni, and Au'** ***Nucl. Inst. Methods, 168, 25-27 (1980)*** *Comment : S, dS. .4-2.2 MeV He -> Al, Ni, Au*	**1980-Frie** 1315

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1981	Santry, D. C. Werner, R. D. **'Stopping Power Values of C, Al, Si, Ni, Ag and Au for 3He Ions'** ***Nucl. Inst. Methods, 185, 517-521 (1981)*** *Comment : S. He3 (200-2000 keV) -> C, Al, Si, Ni, Ag, Au*	**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'** ***Nucl. Inst. Methods, 191, 469 (1981)*** *Comment : S. H, He (20-140 keV) -> Ni, Ag, Au*	**1981-Thom** 1778
1982	Mertens, P. Krist, Th. **'Stopping Ratios for 30 - 300 keV Ions with 1 <= Z2 <= 5'** ***J. Appl. Phys., 53 (11), 7343 - 7349 (1982)*** *Comment : S. H, He, Li, Be, B (30-330 keV) -> C, V, Cr, Fe, Ni, Zn*	**1982-Mert3** 1394
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'** ***Phys. Rev. A, 27 (3), 1360-1364 (1983)*** *Comment : S. He, C (7 MeV) -> Ni, Ag, Au, Pb*	**1983-Taka** 1442
1984	Krist, Th. Mertens, P. **'Application of Brandt's Effective Charge Theory to Measurements for 50-350 keV Ions with 1<=Z1<=5'** ***Nucl. Inst. Methods, B2, 119-122 (1984)*** *Comment : S. H, He, Li, Be, B (50-350 keV) -> C, Al, V, Cr, Fe, Ni, Cu, Zn, Ag, Pt, Au, Bi*	**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'** ***Nucl. Inst. Methods, B1, 13 (1984)*** *Comment : S. He (2-7 MeV) -> > C, Al, Si, Ti, Ni, Ag, Au, Mylar*	**1984-Sant** 1757
1987	Rauhala, E. Raisanen, J. **'Energy Loss of 1.3-2.6 MeV 4He Ions in Havar, Nickel, Kapton and Mylar Foils'** ***Nucl. Inst. Methods, B24/25, 362-365 (1987)*** *Comment : S. He (1.3-2.6 MeV) -> Ni, Havar, Kapton, Mylar*	**1987-Rauh** 1436
1988	Sakamoto, N. Shiomi, N. Ogawa, H. Ishiwari, R. **'Magnitude of the Z1*3 Correction and the Values of Mean Excitation Potential for 21 Metallic Elements'** ***Nucl. Inst. Methods, B33, 158 (1988)*** *Comment : S. H, He (6.5 MeV) -> Be, Ti, Fe, Ni, Zn, Mo, Pd, Cd, Sn, Pt, Pb (mean ionization energies)*	**1988-Saka** 1752

Stopping for Ion : He , Target = Ni

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1989	Kiss, A. Z. Somorjai, E. Raisanen, J. Rauhala, E. **'Stopping Powers of 1.5-7.2 MeV He-4 Ions in Havar, Nickel, Kapton and Mylar'** ***Nucl. Inst. Methods, B39, 15-17 (1989)*** *Comment : S. He (1.5-7.2 MeV) -> Havar, Ni, Kapton, Mylar*	**1989-Kiss** 1942
1995	Shao, Q. Huo, Y. Pan, Z. Wang, N. **'Influence of the Electronic Stopping Cross Section on Calculated Results of the Mean Projected Ranges'** ***Nucl. Tech., 18, 711-716 (1995)*** *Comment : S. He (.2-2 MeV) -> C, Ni*	**1995-Shao** 1830
2002	Geissel, H. Weick, H. Scheidenberger, C. Bimbot, R. Gardes, D. **'Experimental Studies of Heavy-Ion Slowing Down in Matter'** ***Nucl. Inst. Methods, B195, 3-54 (2002)*** *Comment : S. Summary of 18 Heavy Ion Stopping in 26 Targets*	**2002-Geis** 3141
2002	Trzaska, W. H. Lyapin, V. Alanko, T. Mutterer, M. Raisanen, J. **'New Approach to Energy Loss Measurements'** ***Nucl. Inst. Methods, B195, 147-165 (2002)*** *Comment : S. Ar, Si, O, He, H -> Au, Ni, C, Havar*	**2002-Trza** 3140
2006	Damache, S. Ouichaoui, S. Moussa, D. Dib, A. **'Effects of the Projectile Electronic Structure on Stopping Parameters for Nickel'** ***Nucl. Inst. Methods, B249, 22-25 (2006)*** *Comment : S. H, D, He -> Ni*	**2006-Dama** 3117