

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1941	Wilson, R. R. 'Range and Ionization Measurements on High Speed Protons' <i>Phys. Rev.</i> , 60, 749-53 (1941) <i>Comment</i> : S. 4 MeV H -> Al, Cu, Fe, Mo, Ni, Pt, Ta, Zn Rel. To Air.	1941-Wils 0136
1949	Teasdale, J. G. 'Stopping of Various Elements Relative to Aluminum for 12 MeV Protons' <i>Univ. of Calif. at Los Angeles, Rpt.Np 1368, 1-16 (1949)</i> <i>Comment</i> : S. 12 MeV H -> Ni, Cu, Rh, Pd, Ag, Cd, In, Ta, Pt, Au, Th	1949-Teas 0122
1951	Sachs, D. C. Richardson, J. R. 'The Absolute Energy Loss of 18 MeV Protons in Various Materials' <i>Phys. Rev.</i> , 83, 834-837 (1951) <i>Comment</i> : S. H (18 MeV) -> Al, Ni, Cu, Rh, Ag, Cd, Sn, Ta, Au, Nylon. Mean ionization energies.	1951-Sach 1748
1954	Chilton, A. B. Cooper, J. N. Harris, J. C. 'The Stopping Power of Various Elements for Protons of Energies from 400 to 1050 keV' <i>Phys. Rev.</i> , 93, 413-18 (1954) <i>Comment</i> : S. 400-1050 keV H -> N2, Ne, Ar, Kr, Xe, Ni, Cu	1954-Chil 0032
1955	Sonett, C. P. Mackenzie, K. R. 'Relative Stopping Power of Various Metals for 20 MeV Protons' <i>Phys. Rev.</i> , 100, 734-32 (1955) <i>Comment</i> : S. 20.6 MeV H -> Ni, Cu, Nb, Pd, Ag, Cd, In, Ta, Pt, Au, Th, Rel. To Al.	1955-Sone 0116
1957	Burkig, V. C. Mackenzie, K. R. 'Stopping Power of Some Metallic Elements for 19.8 MeV Protons' <i>Phys. Rev.</i> , 106, 848-51 (1957) <i>Comment</i> : S. Rel. To Al. 19.8 MeV H -> Be, Ca, Ti, V, Fe, Ni, Cu, Zn, Nb, Mo, Rh, Pd, Ag, Cd, In, Sn, Ta, W, Ir, Pt, Au, Pb, Th	1957-Burk 0149
1963	Wolke, R. L. Bishop, W. N. Eichler, E. Johnson, N. R. O'Kelley, G. D. 'Ranges and Stopping Cross Sections of Low-Energy Tritons' <i>Phys. Rev.</i> , 129, 2591-96 (1963) <i>Comment</i> : R, S. 0.2-2.73 MeV T -> N2, Al, Ar, Ni, Kr, Xe.	1963-Wolk 0142
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' <i>Atomnaya Energiya (USSR)</i> , 22, 126-27 (1967) [<i>Engl. Trans. Sov. Atom. Energy</i> , 22, 133-34, (1967)] <i>Comment</i> : S. 20-95 keV H, He -> Ni	1967-Bogd 0317
1968	Andersen, H. H. Hanke, C. C. Simonsen, H. Sorensen, H. Vajda, P. 'Stopping Power of the Elements Z = 20 through Z = 30 for 5 - 12 MeV Protons and Deuterons' <i>Phys. Rev.</i> , 175, 389-95 (1968) <i>Comment</i> : S. 5-12 MeV H, D -> Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn	1968-Ande 0358

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1969	Arkhipov, E. P. Gott, Yu. V. 'Slowing Down of 0.5 - 30 keV Protons in Some Materials.' <i>Zh. Eksp. Teor. Fiz.</i> , 56, 1146-51 (1969). [Engl. Trans. <i>Sov. Phys. JETP</i> , 29, 615-18 (1969)] <i>Comment</i> : S. 0.5-30 keV H -> C, Ti, Al, Cu, Ni, Fe, Ge, Si, Sb, Bi	1969-Ark 0410
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' <i>Phys. Rev.</i> , 187, 499-503 (1969) <i>Comment</i> : S. 25-140 keV H, 40-120 keV He -> Cr, Mn, Fe, Co, Ni, Cu	1969-Whit 0389
1971	Ishiwari, R. Shiomi, N. Shirai, S. Ohata, T. Uemura, Y. 'Comparison of Stopping Powers of Al, Ni, Cu, Rh, Ag, Pt and Au for Protons and Deuterons of Exactly the Same Velocity' <i>Bull. Inst. Chem. Res. Kyoto Univ.</i> , 49, 390-402 (1971) <i>Comment</i> : S. 7.2 MeV H, 14.4 MeV D -> Al, Ni, Cu, Rh, Ag, Pt, Au	1971-Ishi 0435
1972	Valenzuela, A. Meckbach, W. Kestelman, A. J. Eckardt, J. C. 'Stopping Power of Some Pure Metals for 25-250-keV Hydrogen Ions' <i>Phys. Rev. B</i> , 6, 95-102 (1972) <i>Comment</i> : S Rel. to 250 keV H. 25-250 keV H -> Ni, Cu, Ag, Sn, Au.	1972-Vale 0478
1974	Ishiwari, R. 'Comment on Stopping Powers of Various Elements for 7 MeV Protons' <i>J. Phys. Soc. Jap.</i> , 36, 1218 (1974) <i>Comment</i> : S. H (7 MeV) -> Ni, Cu	1974-Ishi 0951
1976	Forster, J. S. Ward, D. Andrews, H. R. Ball, G. C. Costa, G. J. 'Stopping Power Measurements for 19F, 24Mg, 27Al, 32S and 35Cl at Energies 0.2 to 3.5 MeV/Nucleon in Ti, Fe, Ni, Cu, Ag and Au.' <i>Nucl. Inst. Methods</i> , 136, 349-59 (1976). <i>Comment</i> : S. 2.2 MeV H, 0.2-3.5 MeV/amu F, Mg, Al, S, Cl -> Ti, Fe, Ni, Cu, Ag, Au	1976-Fors 0821
1977	Ishiwari, R. Shiomi, N. Shirai, S. 'Stopping Powers for Protons in 16 Metallic Elements' <i>Bull. Inst. Chem. Res. Kyoto Univ.</i> , 55, 60-61 (1977) <i>Comment</i> : S. (3-9 MeV) H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au	1977-Ishi 1102
1977	Mertens, P. 'Energy Loss of Light 100 - 300 keV Ions in Thin Metal Foils' <i>Nucl. Inst. Methods</i> , 149, 149-153 (1978) <i>Comment</i> : 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	Gertner, I. Meron, M. Rosner, B. 'Electronic Energy Loss of Ions in Solids in the Energy Range 10-10000 keV/amu' <i>Phys. Rev. A</i> , 18, 2022-2029 (1978) <i>Comment</i> : S. 80-8000 keV H, D -> C, Cr, Ni, Cu	1978-Gert 1131

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1978	Lurio, A. Ziegler, J. F. Cuomo, J. J. 'A New Method for the Determination of Low Energy Stopping Powers of Hydrogen and Helium' <i>Nucl. Inst. Methods, 149, 155 (1978) -a</i> <i>Comment : S. D (45-130 keV) -> Ni</i>	1978-Luri 1714
1978	Marshall, R. E. ElFiqui, A. R. Kliwer, J. K. 'Measurement of Stopping Powers using Ion-Induced X-Ray Emission' <i>Nucl. Inst. Methods, 150, 241-245 (1978)</i> <i>Comment : S. 100 keV H -> Sc, Ni, Cu, Ge</i>	1978-Mars 1085
1979	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Stopping Powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt and Au for 67.5 MeV Protons.' <i>Phys. Letters, 75A, 112-114 (1979)</i> <i>Comment : S. 6.5- 7 MeV H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au</i>	1979-Ishi2 1349
1979	Luomajarvi, M. 'Stopping Powers of Some Metals for 0.3-1.5 MeV Protons.' <i>Rad. Effects, 40, 173-179 (1979)</i> <i>Comment : S. 0.3-1.5 MeV H -> Al, Ti, Ni, Cu, Zn, Mo, Ag, Ta, W, Au</i>	1979-Luom 1205
1979	Mertler, G. Fehse, B. Kopitzki, K. 'A New Method of Target Preparation for Measuring Stopping Powers of Metals for Channeled Ions in the Low Energy Region' <i>Rad. Effects, 45, 53-56 (1979)</i> <i>Comment : S, dS. 200-400 keV H -> Ni (Channeled)</i>	1979-Mert4 1319
1981	Santry, D. C. Werner, R. D. 'Stopping Powers of C, Al, Si, Ti, Ni, Ag and Au for Deuterons' <i>Nucl. Inst. Methods, 188, 211 (1981)</i> <i>Comment : S. D (0.2-2.0 MeV) -> C, Al, Si, Ti, Ni, Ag, Au</i>	1981-Sant 1756
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	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Stopping Powers of Metallic Elements for 6.75 MeV Protons' <i>Nucl. Inst. Methods, 194, 61-65 (1982)</i> <i>Comment : S. 6.5- 7 MeV H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au</i>	1982-Ishi 1675
1982	Mertens, P. Krist, Th. 'Electronic Stopping Cross-sections for 30 - 300 keV Protons in Materials with $23 < Z < 30$ ' <i>Nucl. Inst. Methods, 194, 57-60 (1982)</i> <i>Comment : S. H (30-300 keV) -> (23 <= Z <= 30)</i>	1982-Mert2 1393

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1982	Mertens, P. Krist, Th. 'Stopping Ratios for 30 - 300 keV Ions with $1 \leq Z_2 \leq 5$ ' <i>J. Appl. Phys.</i> , 53 (11), 7343 - 7349 (1982) <i>Comment</i> : S. H, He, Li, Be, B (30-330 keV) -> C, V, Cr, Fe, Ni, Zn	1982-Mert3 1394
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</i> , 119-122 (1984) <i>Comment</i> : S. H, He, Li, Be, B (50-350 keV) -> C, Al, V, Cr, Fe, Ni, Cu, Zn, Ag, Pt, Au, Bi	1984-Kris 1467
1986	Mertens, P. Bauer, P. Semrad, D. 'Proton Stopping Powers in Al, Ni, Cu, Ag and Au Measured Comparatively on Identical Targets in Backscattering and Transmission Geometry' <i>Nucl. Inst. Methods, B15</i> , 91-95 (1986) <i>Comment</i> : S. H, D (30-600 keV) -> Al, Ni, Cu, Ag, Au	1986-Mert2 1434
1986	Semrad, D. Mertens, P. Bauer, P. 'Reference Proton Stopping Cross Sections for Five Elements around the Maximum' <i>Nucl. Inst. Methods, B15</i> , 86-90 (1986) <i>Comment</i> : S. H (30-700 keV) -> Al, Ni, Cu, Ag, Au	1986-Semr3 1474
1987	Bauer, P. 'How to Measure Absolute Stopping Cross Sections by Backscattering and by Transmission Methods' <i>Nucl. Inst. Methods, B27</i> , 301-314 (1987) <i>Comment</i> : S. H, D (30-600 keV) -> Al, Ni, Ag, Au (review of technique)	1987-Baue 1484
1987	Niiler, A. 'Stopping Power Uncertainty Effects in Thick Target RBS Analysis' <i>Nucl. Inst. Methods, B24/25</i> , 358 (1987) <i>Comment</i> : S. H (0.2-1.0 MeV) -> Cu, Ni, Al (RBS simulation)	1987-Niil 1729
1988	Ishiwari, R. Shiomi-Tsuda, N. Sakamoto, N. 'Stopping Powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, TA, Pt and Au for 6.5 MeV Protons' <i>Nucl. Inst. Methods, B31</i> , 503 (1988) <i>Comment</i> : S. H (6.5 MeV) -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au (mean excitation energies)	1988-Ishi2 1682
1988	Ogino, K. Kiyosawa, T. Kiuchi, T. 'Stopping Powers for MeV Tritons in Solids' <i>Nucl. Inst. Methods, B33</i> , 155-157 (1988) <i>Comment</i> : S. T(2.3-5.4 MeV) -> Al, Ti, Ni, Nb, Ag, Sn, Au	1988-Ogin 1404

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1988	Rauhala, E. Raisanen, J. 'Stopping Powers of 0.5-8.3 MeV Protons in Havar, Nickel, Kapton and Mylar' <i>Nucl. Inst. Methods, B35, 130 (1988)</i> <i>Comment : S. H (0.5-8.3 MeV) -> Ni, Havar, Kapton, Mylar</i>	1988-Rauh 1742
1988	Sakamoto, N. Shiomi, N. Ogawa, H. Ishiwari, R. 'Magnitude of the Z ^{1/3} Correction and the Values of Mean Excitation Potential for 21 Metallic Elements' <i>Nucl. Inst. Methods, B33, 158 (1988)</i> <i>Comment : S. H, He (6.5 MeV) -> Be, Ti, Fe, Ni, Zn, Mo, Pd, Cd, Sn, Pt, Pb (mean ionization energies)</i>	1988-Saka 1752
1990	Bauer, P. 'Stopping Power of Light Ions near the Maximum' <i>Nucl. Inst. Methods, B45, 673 (1990)</i> <i>Comment : S. H, H- (30-700 keV) -> C, Al, Si, Ni, Cu, Ag, Au, SiO₂, HC₂, Al₂O₃</i>	1990-Baue 1608
1991	Antolak, A. J. Handy, B. N. Morse, D. H. Pantau, A. E. 'Energy Loss and Straggling Measurements of Ions in Solid Absorbers' <i>Nucl. Inst. Methods, B59/60, 13-17 (1991)</i> <i>Comment : S, dS. H, Li, C(7-49 MeV) -> Al, Ti, Ni, Ag, W, Au</i>	1991-Anto 1909
1992	Bichsel, H. Hiraoka, T. 'Energy Loss of 70 MeV Protons in Elements' <i>Nucl. Inst. Methods, B66, 345-351 (1992)</i> <i>Comment : S. H (70 MeV) -> C, H₂O, SiO₂, Al, Si, Ti, Cr, Fe, Co, Ni, Cu, Zn, Zr, Nb, Mo, Ag, Cd, In, Sn, Ta, W, Pb</i>	1992-Bich2 1624
1994	Shiomi Tsuda, N. Sakamoto, N. Ishiwari, R. 'Stopping Powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt and Au for 13 MeV Deuterons' <i>Nucl. Inst. Methods, B93, 391-398 (1994)</i> <i>Comment : S. D (13 MeV) -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au</i>	1994-Shio 2051
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
2006	Damache, S. Ouichaoui, S. Moussa, D. Dib, A. 'Effects of the Projectile Electronic Structure on Stopping Parameters for Nickel' <i>Nucl. Inst. Methods, B249, 22-25 (2006)</i> <i>Comment : S. H, D, He -> Ni</i>	2006-Dama 3117