

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1936	Batzner, H. 'Uber Die Geschwindigkeitsabnahme von H-Kanalstrahlen in Metallen' <i>Ann. Physik, 25, 233-262 (1936)</i> <i>Comment : S. 4-60 keV H -> Al, Cu, Ag, Sn, Au</i>	1936-Batz 0407
1941	Brunings, J. H. Knipp, J. K. Teller, E. 'On the Momentum Loss of Heavy Ions' <i>Phys. Rev., 60, 657-660 (1941)</i> <i>Comment : Theory. Heavy ion charge state vs. velocity.</i>	1941-Brun 1949
1941	Wilson, R. R. 'Range and Ionization Measurements on High Speed Protons' <i>Phys. Rev., 60, 749-53 (1941)</i> <i>Comment : S. 4 MeV H -> Al, Cu, Fe, Mo, Ni, Pt, Ta, Zn Rel. To Air.</i>	1941-Wils 0136
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
1949	Warshaw, S. D. 'The Stopping Power of Protons in Several Metals' <i>Phys. Rev., 76, 1759-65 (1949)</i> <i>Comment : S. 50-400 keV H -> Be, Al, Cu, Ag, Au</i>	1949-Wars 0129
1951	Bakker, C. J. Segre, E. 'Stopping Power and Energy Loss for Ion-Pair Production for 340 MeV Protons' <i>Phys. Rev., 84, 489-92 (1951)</i> <i>Comment : S. Rel. To Al And Cu. 340 MeV H -> H2, Li, Be,C, Al, Fe, Cu, Ag, Sn, W, Pb, U</i>	1951-Bakk 0218
1951	Sachs, D. C. Richardson, J. R. 'The Absolute Energy Loss of 18 MeV Protons in Various Materials' <i>Phys. Rev., 83, 834-837 (1951)</i> <i>Comment : S. H (18 MeV) -> Al, Ni, Cu, Rh, Ag, Cd, Sn, Ta, Au, Nylon. Mean ionization energies.</i>	1951-Sach 1748
1953	Kahn, D. 'The Energy Loss of Protons in Metallic Foils and Mica' <i>Phys. Rev., 90, 503-09 (1953)</i> <i>Comment : S. 400-1350 keV H -> Be, Al, Cu, Au, Mica</i>	1953-Kahn 0076
1953	Madsen, C. B. 'Proton Stopping Power and Energy Straggling of Protons' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 27, No. 13, 1-21 (1953)</i> <i>Comment : S. dS. 350-2000 keV H -> Be, Al, Cu, Ag, Mica</i>	1953-Mads 0084

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1953	Sachs, D. C. Richardson, J. R. 'Mean Excitations Potentials' <i>Phys. Rev.</i> , 89, 1163-1164 (1953) <i>Comment</i> : S. H (18 MeV) -> Al. Mean excitation energy.	1953-Sach 1749
1956	Young, J. R. 'Penetration of Electrons and Ions in Aluminum' <i>J. Appl. Phys.</i> , 27, 1-4 (1956) <i>Comment</i> : S,R. 1-25 keV H, D, He -> Al	1956-Youn 0193
1961	Barkas, W. H. VonFriesen, S. 'High-Velocity Range and Energy-Loss Measurements in Al, Cu, Pb, U and Emulsion' <i>Nuovo Cimento Suppl.</i> , 19, 41-62 (1961) <i>Comment</i> : R, S Rel. To Cu. 750 MeV H -> Al, Cu, Pb, U, Emulsion	1961-Bark2 0221
1962	Gott, Yu. V. Telkovskiy, V. G. 'Energy Losses of Light Ions in Thin Metallic Foils' <i>Radioteknika I. Elek. (USSR)</i> , 7, 1956-61 (1962) [<i>Engl. Trans:Rad. Eng. and Electron Phys.</i> , 7, 1813-19 (1962)] <i>Comment</i> : S. 2-15 keV H, D, He -> Al, Ti, Cu, Ge, Ag, Sn, Au	1962-Gott 0159
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
1965	Andersen, H. H. 'A Low-Temperature Technique for Measurement of Heavy-Particle Stopping Powers of Metals' <i>Danish A.E.C. Riso. Rpt. No. 93</i> , 1-60 (1965) <i>Comment</i> : S. 5-12 MeV H, D -> Al	1965-Ande 0205
1965	Moorhead, R. D. 'Stopping Cross Sections of Low Atomic Number Materials for He+ 65-180 keV' <i>J. Appl. Phys.</i> , 36, 391-96 (1965) <i>Comment</i> : S. 65 - 180 keV H, He -> C, He -> Al, Cr	1965-Moor 0217
1965	Ormrod, J. H. Macdonald, J. R. Duckworth, H. E. 'Some Low-Energy Atomic Stopping Cross Sections' <i>Can. J. Phys.</i> , 43, 275-84 (1965) <i>Comment</i> : S. (10-150 keV) H, D, He, Li, B, C, N, O, F, Ne, Na -> Al; (20-130 keV) Si, P, S, Cl, Ar, K -> C	1965-Ormr 0203
1966	Andersen, H. H. Garfinkel, A. F. Hanke, C. C. Sorensen, H. 'Stopping Power of Aluminum for 5-12 MeV Protons and Deuterons' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd.</i> , 34, No. 4, 1-24 (1966) <i>Comment</i> : S. 5-12 MeV H, D -> Al	1966-Ande 0269

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1967	Andersen, H. H. Hanke, C. C. Sorensen, H. Vajda, P. 'Stopping Power of Be, Al, Cu, Ag, Pt and Au for 5-12 MeV Protons and Deuterons' <i>Phys. Rev., 153, 338-42 (1967)</i> <i>Comment : S. 4.5 - 12 MeV H, D -> Be, Al, Cu, Ag, Pt, Au</i>	1967-Ande 0280
1967	Ishiwari, R. Shiomi, N. Mori, Y. Ohata, T. Uemura, Y. 'Comparison of Energy Losses of Protons and Deuterons of Exactly the Same Velocity' <i>Bull. Inst. Chem. Res. Kyoto Univ., 45, 379-87 (1967)</i> <i>Comment : S. 7 MeV H, 14 MeV D -> Al</i>	1967-Ishi 0353
1967	Morita, K. Akimura, H. Suita, T. 'Stopping Cross-Sections of Metallic Films for Projectile of Low Energy Proton' <i>J. Phys. Soc. Jap., 22, 1503 (1967)</i> <i>Comment : S. 7-35 keV H -> Be, Al, Cu, Ag, Au</i>	1967-Mori 0291
1967	Vasilievsky, I. M. Prokoshkin, Yu. D. 'Ionization Energy Loss of Protons, Deuterons and Alpha-Particles' <i>Yaderna Fiz. (Russia), 4, 549-55 (1966)[Engl. Trans. Sov. Phys. Nucl. Phys., 4, 390-94 (1967)]</i> <i>Comment : S. (267-650 MeV) H, D, He -> Cu, H, C, Al, Sn, Pb</i>	1967-Vasi 0313
1967	White, W. Mueller, R. M. 'Measurement of Atomic-Stopping Cross Sections at Low Energies' <i>J. Appl. Phys., 38, 3660-61 (1967)</i> <i>Comment : S. 20-140 keV H, He -> Al</i>	1967-Whit 0324
1968	Leminen, E. Fontell, A. Bister, M. 'Stopping Power of Al, Zn, and in for 0.6 - 2.4 MeV Protons' <i>Ann. Acad. Sci. Fenn. Ser. A Vi. Phys. No. 281, 1-12 (1968)</i> <i>Comment : S. 0.6-2.4 MeV H -> Al, In, Zn</i>	1968-Lemi 0398
1968	Morita, K. Akimura, H. Suita, T. 'Energy Loss of Low Energy Protons and Deuterons in Evaporated Metallic Films' <i>J. Phys. Soc. Jap., 25, 1525-32 (1968)</i> <i>Comment : S, dS. 7-40 keV H, D -> Cu, 7-40 keV H -> Be, Al, Ag, Au</i>	1968-Mori 0399
1969	Andersen, H. H. Simonsen, H. Sorensen, H. 'An Experimental Investigation of Charge-Dependent Deviations from the Bethe Stopping Power Formula' <i>Nucl. Phys., 125, 171-75 (1969)</i> <i>Comment : S. 5-13 MeV H, D; 8-20 MeV 3He, 4He -> Al, Ta</i>	1969-Ande 0374

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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. Sov. Phys. JETP, 29, 615-18 (1969)] <i>Comment</i> : S. 0.5-30 keV H -> C, Ti, Al, Cu, Ni, Fe, Ge, Si, Sb, Bi	1969-Arkh 0410
	Blanchin, D. Poizat, J.-C. Remillieux, J. Sarazin, A. 'Experimental Determination of the Energy Loss of Protons Channeled through Aluminum Single-Crystal' <i>Nucl. Inst. Methods</i> , 70, 98-102 (1969) <i>Comment</i> : S, dS. 1.4 MeV H -> Al (Cryst.)	1969-Blan 0386
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
	Nakata, H. 'Analysis of Energy Loss Data for 0.2-0.5 MeV/amu p, alpha and N in Se' <i>Phys. Rev. B</i> , 3, 2847 (1971) <i>Comment</i> : S. H, He, N (0.2-0.5 MeV) -> Se, Al, Ag	1971-Naka 1726
1971	Nakata, H. 'Analysis of Energy-Loss Data for 0.2 - 5.0 MeV/amu p, alpha and N in Se.' <i>Phys. Rev. B</i> , 3, 2847-51 (1971) <i>Comment</i> : S. 0.7-1.4 MeV H -> Al, Se, Ag	1971-Naka2 0475
	Sorensen, H. Andersen, H. H. 'Stopping Power of Al, Cu, Ag, Au, Pb and U for 5-18-MeV Protons and Deuterons' <i>Phys. Rev. B</i> , 8, 1854-63 (1973) <i>Comment</i> : S. 5-18 MeV H, D -> Al, Cu, Ag, Au, Pb, U	1973-Sore 0499
1974	Andersen, H. H. 'Studies of Atomic Collisions in Solids by Means of Calorimetric Techniques' <i>Aarhus University. Aarhus P.</i> 1-279 (1974) <i>Comment</i> : S. 5-17 MeV H, D -> Al, Cu	1974-Ande 0725
	Ishiwari, R. Shiomi, N. Shirai, S. Uemura, Y. 'Stopping Powers of Al, Ti, Fe, Cu, Mo, Ag, Sn and Au for 7.2 MeV Protons' <i>Bull. Inst. Chem. Res. Kyoto Univ.</i> , 52, 19-39 (1974) <i>Comment</i> : S. 7.2 MeV H -> Al, Ti, Fe, Cu, Mo, Ag, Sn, Ta, Au	1974-Ishi2 0443

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1974	Ishiwari, R. Shiomi, N. Shirai, S. Uemura, Y. 'Stopping Powers of Al, Ti, Fe, Cu, Mo, Ag, Sn, Ta and Au for 7.2 MeV Protons' <i>Phys. Letters, 48A, 96-98 (1974)</i> Comment : S. H (7.2 MeV) -> Al, Ti, Fe, Cu, Mo, Ag, Sn, Ta, Au	1974-Ishi3 1673
1974	Nielsen, B. R. 'Specialeopgave Aarhus University' <i>Specialeopgave Aarhus University, pp 1-75 (In Danish) (1974)</i> Comment : S. (1.6-20 MeV) H, D, He -> Al, Ag	1974-Niel 0729
1974	Ottosen, H. L. 'Specialeopgave Aarhus University' <i>Specialeopgave Aarhus University, pp 1-54 (In Danish) (1974)</i> Comment : S. 0.6-2.5 MeV H -> Al	1974-Otto 0709
1975	Gemmell, D. S. Remillieux, J. Poizat, J. -C. Gaillard, M. J. Holland, R. E. 'Evidence for an Alignment Effect in the Motion of Swift Ion Clusters through Solids' <i>Phys. Rev. Letters, 34, 1420-4 (1975)</i> Comment : S, dS. Molecular Hydrogen Beams (1.6- 4 MeV) -> Au, C, Al, Al ₂ O ₃	1975-Gemm 1265
1976	Prasad, K. G. Sharma, R. P. 'Energy Loss of Channeled Protons in Al Single Crystals' <i>Nucl. Inst. Methods, 132, 103-07 (1976)</i> Comment : S. 1.5 MeV H -> Al (Cryst.)	1976-Pras 0872
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> Comment : S. H (2-5.2 MeV) -> Al, Cu, Ag, Au	1977-Ande3 0908
1977	Ishiwari, R. Shiomi, N. Shirai, S. 'Stopping Powers for Protons in 16 Metallic Elements' <i>Bull. Inst. Chem. Res. Kyoto Univ., 55, 60-61 (1977)</i> Comment : 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, 149, 149-153 (1978)</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	1977-Mert 0928
1978	Eckardt, J. C. Lantschner, G. Arista, N. R. Baragiola, R. A. 'Electronic Stopping of Slow Molecular Ions in Solids' <i>J. Phys. C: Sol. State Phys., 11, L851-855 (1978)</i> Comment : S. 12.5-130 keV/amu H, 2H -> C, Al	1978-Ecka 1157

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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
1980	Bednyakov, A. A. Bulgakov, Y. V. Nikolaev, V. S. Chernov, V. L. 'Energy Losses and their Stragglng for H and He Ions with Energies of Several Hundreds of keV on Passage through Metal and Polystyrenen 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
1980	Mertens, P. Krist, Th. 'Stopping Ratios of 50-300 keV Light Ions in Metals' <i>Nucl. Inst. Methods, 168, 33-39 (1980)</i> <i>Comment : S, dS. 30-300 keV H, He, Li, Be -> C, Al, Cu, Ag, Au</i>	1980-Mert 1313
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, 68, 187 (1981)</i> <i>Comment : S, dS. H, He (70-1200 keV) -> Al, C, Polystyrene</i>	1981-Bedn 1958
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
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	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Geometric Effect on the Measurement of Stopping Power: Angular Dependent Energy Loss of 7 MeV Protons in Metallic and Organic Thin Foils' <i>Phys. Rev. A, 25, 2524 (1982)</i> <i>Comment : S. H (7 MeV) -> Be, Al, Ag, Mylar, Cellophane (Angular effects)</i>	1982-Ishi2 1676

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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	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
1983	Aumayr, F. Bauer, P. Semrad, D. 'Accuracy of Stopping Cross Section Determination from RBS Spectray by Warters' Method' <i>Nucl. Inst. Methods, 212, 529 (1983)</i> <i>Comment : S. H (60-1000 keV) -> Al, Cu, Ag, Au,</i>	1983-Auma 1600
1983	Kido, Y. Hioki, T. 'Measurements of Energy Loss and Stragglng for Fast H in Metals and their Compounds by Means of a Nuclear Resonant Reaction' <i>Phys. Rev. B, 27, 2667 (1983)</i> <i>Comment : S, dS. H (600-1000 keV) -> Al, Cu, AlCu, Ti, TiO2, O, Ti, Se, In, Sb, InO, TiO</i>	1983-Kido 1691
1983	Krist, Th. Mertens, P. 'Stopping Ratios for 30-330 keV Light Ions in Materials with $57 \leq Z \leq 83$ ' <i>Nucl. Inst. Methods, 218, 821-826 (1982)</i> <i>Comment : S. H, He, Li (50-300 keV) -> C, Al, Cu, Ag, Au</i>	1983-Kris 1312
1984	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Geometrical Effect on the Measurement of Stopping Powers: Angle-Dependent Energy Loss of 7 MeV Protons in Be, Al, Cu, Ag and Ta' <i>Phys. Rev. A, 30, 82 (1984)</i> <i>Comment : S. H (7 MeV) -> Be, Al, Cu, Ag, Ta (Angular effects)</i>	1984-Ishi3 1679
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	Shchuchinsky, J. Peterson, C. 'Stopping Power and Energy Loss Stragglings of Slow Protons Moving in C, Al, and Au; Effective Charge Fractions and Stragglng of Heavy Ions' <i>Rad. Effects, 81, 221-229 (1984)</i> <i>Comment : S, dS. H (8-300 keV) -> C, Al, Au</i>	1984-Shch 1426

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1984	Sirotnin, E. I. Tulinov, A. F. Khodyrev, V. A. Mizgulin, V. N. 'Proton Energy Loss in Solids' <i>Nucl. Inst. Methods, B4, 337 (1984) -1</i> <i>Comment : S. H (0.1-6.0 MeV) -> Al, Si, Sc, V, Cu, Zn, Ga, Ge, Y, Zr, Nb, Mo, Ag, Cd, In, Sn, La, Sm, Gd, Yb, Hf, Ta, W, Pt, Au, Pb</i>	1984-Siro 1770
1985	Schulz, F. Shchuchinsky, J. 'Proton Stopping Cross Sections for C, Al and Au: New Experimental Data and Critical Analysis of the Validity of Empirical Fit Formulas' <i>Nucl. Inst. Methods, B12, 90-94 (1985)</i> <i>Comment : S. H (8-300 keV) -> C, Al, Au</i>	1985-Schu 1433
1986	Bauer, P. Semrad, D. 'Stopping of Hydrogen Ions in Chemically Active Metal Targets Characterized by AES and RBS' <i>Nucl. Inst. Methods, B13, 201-206 (1986)</i> <i>Comment : S. H (30-500 keV) -> Al, Nb</i>	1986-Baue 1432
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, 91-95 (1986)</i> <i>Comment : S. H, D (30-600 keV) -> Al, Ni, Cu, Ag, Au</i>	1986-Mert2 1434
1986	Semrad, D. Bauer, P. Eder, K. Obermann, W. 'Apparatus for Measuring the Stopping Power of Active Materials Evaporated in-situ and Characterized by Auger Electron Spectrometry and Rutherford Backscattering' <i>Rev. Sci. Inst., 57, 1368-1372 (1986)</i> <i>Comment : S. H, D, (30-500 keV/amu) -> Al</i>	1986-Semr2 1784
1986	Semrad, D. Mertens, P. Bauer, P. 'Reference Proton Stopping Cross Sections for Five Elements around the Maximum' <i>Nucl. Inst. Methods, B15, 86-90 (1986)</i> <i>Comment : S. H (30-700 keV) -> Al, Ni, Cu, Ag, Au</i>	1986-Semr3 1474
1987	Bauer, P. 'How to Measure Absolute Stopping Cross Sections by Backscattering and by Transmission Methods' <i>Nucl. Inst. Methods, B27, 301-314 (1987)</i> <i>Comment : S. H, D (30-600 keV) -> Al, Ni, Ag, Au (review of technique)</i>	1987-Baue 1484

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1987	Mertens, P. 'How to Measure Absolute Stopping Cross Sections by Backscattering and by Transmission Methods' <i>Nucl. Inst. Methods, B27, 315-322 (1987)</i> <i>Comment : S. H (20-700 keV) -> C, Al</i>	1987-Mert 1485
1987	Niiler, A. 'Stopping Power Uncertainty Effects in Thick Target RBS Analysis' <i>Nucl. Inst. Methods, B24/25, 358 (1987)</i> <i>Comment : S. H (0.2-1.0 MeV) -> Cu, Ni, Al (RBS simulation)</i>	1987-Niil 1729
1988	Ishiwari, R. Shiomi, Tsuda, N. Sakamoto, N. 'Stopping Powers of Al and Cu for Protons from 3-9 MeV' <i>Nucl. Inst. Methods, B35, 118 (1988)</i> <i>Comment : S. H(3-9 MeV) -> Al, Cu (mean excitation energies)</i>	1988-Ishi 1683
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, 503 (1988)</i> <i>Comment : S. H (6.5 MeV) -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au (mean excitation energies)</i>	1988-Ishi2 1682
1988	Ogino, K. Kiyosawa, T. Kiuchi, T. 'Stopping Powers for MeV Tritons in Solids' <i>Nucl. Inst. Methods, B33, 155-157 (1988)</i> <i>Comment : S. T(2.3-5.4 MeV) -> Al, Ti, Ni, Nb, Ag, Sn, Au</i>	1988-Ogin 1404
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 Stragglng 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
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	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

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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
	Valdes, J. E. Tamayo, G. M. Lantschner, G. H. Eckardt, J. C. Arista, N. R. 'Electronic Energy Loss of Low Velocity H+ Beams in Al, Ag, Sb, Au and Bi' <i>Nucl. Inst. Methods, B73, 313-318 (1993)</i> <i>Comment : S. H(<10 keV) -> Al, Ag, Au, Bi</i>	1993-Vald 1874
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
	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
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
	Moller, S. P. Uggerhoj, E. Bluhme, H. Knudsen, H. Mikkelsen, U. 'Direct Measurements of the Stopping Power for Antiprotons of Light and Heavy Targets' <i>Phys. Rev. A, 56, 2930-2939 (1997)</i> <i>Comment : S. H- (50 - 700 keV) -> Al, Si, Ti, Cu, Ag, Ta, Pt, Au</i>	1997-Moll 2364
2004	Moller, S. P. Csete, A. Ichioka, T. Knudsen, H. Uggerhoj, U. I. 'Stopping Power in Insulators and Metals without Charge Exchange' <i>Phys. Rev. Lett., 93, 042502-1 - 4 (2004)</i> <i>Comment : S. H -> Al</i>	2004-Moll 3123
	Damache, S. Moussa, D. Ouichaoui, S. 'Stopping of ~0.2-3.4MeV/amu /sup 1/H/sup +/- and /sup 4/He/sup +/- ions in polyvinyl formal' <i>Nucl. Instrum. Methods B 268, 1759 (2010)</i> <i>Comment : S. H, He (0.2-3.4 MeV/u) -> polyvinyl formal (formvar)</i>	2010-Dama 3162