

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

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
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
1969	Andersen, H. H. Simonsen, H. Sorensen, H. 'An Experimental Investigation of Charge-Dependent Deviations from the Bethe Stopping Power Formula' <i>Nucl. Phys.</i> , 125, 171-75 (1969) <i>Comment</i> : S. 5-13 MeV H, D; 8-20 MeV 3He, 4He -> Al, Ta	1969-Ande 0374
1969	Andersen, H. H. Simonsen, H. Sorensen, H. Vajda, P. 'Stopping Power of Zr, Gd, and Ta for 5-12 MeV Protons and Deuterons: Further Evidence for an Oscillatory Behaviour of the Excitation Potential' <i>Phys. Rev.</i> , 186, 372-75, (1969) <i>Comment</i> : S. 5-12 MeV H, D -> Zr, Gd, Ta	1969-Ande2 0404
1972	Leminen, E. 'Stopping Power of Ti, Mo, Ta, and W for 0.5 to 1.75 MeV Protons.' <i>Ann. Acad. Sci. Fenn. Ser. A Vi, Phys. No. 386, 1-14 (1972)</i> <i>Comment</i> : S. 0.5-1.75 MeV H -> Ti, Mo, Ta, W	1972-Lemi 0493
1972	Sirotninen, E. I. Tulinov, A. F. Fiderkevich, A. Shyshkin, K. S. 'The Determination of Energy Losses from the Spectrum of Particles Scattered by a Thick Target' <i>Rad. Effects</i> , 15, 149-52 (1972) <i>Comment</i> : S (1-6 MeV) H, He -> W, Pb, Ta, Mo, W, Ag, Yb, Ce.	1972-Siro 0486

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1973	Behrisch, R. Schertzer, B. M. U. 'Rutherford Backscattering as a Tool to Determine Electronic Stopping Powers in Solids' <i>Thin Solid Films, 19, 247-257 (1973)</i> <i>Comment : S. 50-150 keV H -> Nb, Ta, Ta2O5</i>	1973-Behr 0508
1974	Ishiwari, R. Shiomi, N. Shirai, S. Uemara, 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., 52, 19-39 (1974)</i> <i>Comment : S. 7.2 MeV H -> Al, Ti, Fe, Cu, Mo, Ag, Sn, Ta, Au</i>	1974-Ishi2 0443
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> <i>Comment : S. H (7.2 MeV) -> Al, Ti, Fe, Cu, Mo, Ag, Sn, Ta, Au</i>	1974-Ishi3 1673
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> <i>Comment : S. (3-9 MeV) H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au</i>	1977-Ishi 1102
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
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
1983	Krist, Th. Mertens, P. 'Proton Energies at the Maximum of the Electronic Stopping Cross Section in Materials with 57 <Z2<83' <i>Nucl. Inst. Methods, 218, 790-794 (1983)</i> <i>Comment : S. H (30-350 keV) -> La, Nd, Tb, Dy, Lu, Ta, Re, Ir, Pt, Au, Bi</i>	1983-Kris2 1440

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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	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
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
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
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
1995	Shiomi Tsuda, N. Sakamoto, N. Ogawa, H. 'Stopping Powers of Ta and Mo for MeV Protons' <i>Nucl. Inst. Methods, B115, 88-92 (1995)</i> <i>Comment : S. H (4.0 - 20 MeV) -> Ta, Mo</i>	1995-Shio2 1536
1997	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