

*Citations for Ion = **H** , Target = **B***

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1948	Madsen, C. B. Venkateswarlu, P. 'Proton Stopping Power of Solid Beryllium' <i>Phys. Rev.</i> , 74, 648-49 (1948) <i>Comment</i> : S. 500-1500 keV H -> Be	1948-Mads2 0083
1949	Warshaw, S. D. 'The Stopping Power of Protons in Several Metals' <i>Phys. Rev.</i> , 76, 1759-65 (1949) <i>Comment</i> : S. 50-400 keV H -> Be, Al, Cu, Ag, Au	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.</i> , 84, 489-92 (1951) <i>Comment</i> : S. Rel. To Al And Cu. 340 MeV H -> H2, Li, Be,C, Al, Fe, Cu, Ag, Sn, W, Pb, U	1951-Bakk 0218
1951	Mather, R. Segre, E. 'Range-Energy Relation for 340 MeV Protons' <i>Phys. Rev.</i> , 84, 191-93 (1951) <i>Comment</i> : R. 340 MeV H -> Be, C, Al, Cu, Sn, Pb	1951-Math 0209
1953	Kahn, D. 'The Energy Loss of Protons in Metallic Foils and Mica' <i>Phys. Rev.</i> , 90, 503-09 (1953) <i>Comment</i> : S. 400-1350 keV H -> Be, Al, Cu, Au, Mica	1953-Kahn 0076
1953	Madsen, C. B. 'Proton Stopping Power and Energy Straggling of Protons' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd.</i> , 27, No. 13, 1-21 (1953) <i>Comment</i> : S. dS. 350-2000 keV H -> Be, Al, Cu, Ag, Mica	1953-Mads 0084
1955	Green, D. W. Cooper, J. N. Harris, J. C. 'Stopping Cross Section of Metals for Protons of Energies from 400 to 1000 keV' <i>Phys. Rev.</i> , 98, 466-70 (1955) <i>Comment</i> : S. 0.4-1.0 MeV H -> Mn, Cu, Ge, Sn, Se, Ag, Sb, Au, Pb, Bi	1955-Gree 0059
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
1959	Zrelov, V. P. Stoletov, G. D. 'Range-Energy Relation for 660 MeV Protons' <i>Zh. Eksp. Teor. Fiz.</i> , 36, 664-72 (1959) [<i>Engl. Trans. Sov. Phys. JETP</i> , 9, 461-67 (1959)] <i>Comment</i> : R. 660 MeV H -> Cu. S Rel. To Cu, 635 MeV H -> H, Be, C, Fe, Cd, W	1959-Zrel 0222

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1962	Overley, J. C. Whaling, W. 'Highly Excited States in C11 Elastic Scattering of Protons by B10' <i>Phys. Rev.</i> , 128, 315-24 (1962) <i>Comment</i> : S. 0.1-3.0 MeV H -> B	1962-Over 0278
1965	Schuler, R. H. 'Radiolysis of Benzene by Heavy Ions' <i>Trans. Faraday Soc.</i> , 61, 100-109 (1965) <i>Comment</i> : S. 100 keV H, 500 keV He -> Benzene	1965-Schu 1161
1966	Macdonald, J. R. Ormrod, J. H. Duckworth, H. E. 'Stopping Cross Section in Boron of Low Atomic Number Atoms with Energies from 15 to 140 keV' <i>Z. Naturforschg.</i> 21A, 130-34 (1966) <i>Comment</i> : S. (12-140 keV) H, D, He, Li, B, C, N, O, F, Ne, Na -> B	1966-Macd 0266
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.</i> , 153, 338-42 (1967) <i>Comment</i> : S. 4.5 - 12 MeV H, D -> Be, Al, Cu, Ag, Pt, Au	1967-Ande 0280
1967	Morita, K. Akimura, H. Suita, T. 'Stopping Cross-Sections of Metallic Films for Projectile of Low Energy Proton' <i>J. Phys. Soc. Jap.</i> , 22, 1503 (1967) <i>Comment</i> : S. 7-35 keV H -> Be, Al, Cu, Ag, Au	1967-Mori 0291
1968	Morita, K. Akimura, H. Suita, T. 'Energy Loss of Low Energy Protons and Deuterons in Evaporated Metallic Films' <i>J. Phys. Soc. Jap.</i> , 25, 1525-32 (1968) <i>Comment</i> : S, dS. 7-40 keV H, D -> Cu, 7-40 keV H -> Be, Al, Ag, Au	1968-Mori 0399
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). [<i>Engl. Trans. 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-Arkh 0410
1972	Edge, R. D. Hedrick, W. R. Dixon, R. L. 'A Comparison of Proton Channeling in the <111> Direction for BaF2 and CaF2' <i>Rad. Effects</i> , 12, 97-103 (1972) <i>Comment</i> : S, dS. 300-400 keV H -> BaF2, CaF2 (Both Cryst.)	1972-Edge 0679

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1972	Hellborg, R. 'The Energy Loss of Channeled Protons Determined in an Indirect Way' <i>Phys. Scripta</i> , 4, 75-82 (1972) <i>Comment</i> : S. 1.4-1.8 MeV H -> BaF2, CaF2 (Both Cryst.)	1972-Hell 0422
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
1978	Biersack, J. P. Fink, D. Henkelmann, R. A. Muller, K. 'Range Profiles and Thermal Release of Helium Implanted into Various Metals' <i>Nucl. Inst. Methods</i> , 149, 93 (1978) <i>Comment</i> : S,R,dR. 0.2-340 keV H, 3He -> Ni, Cu, Ag, Au, Pt, Be, Zr, Fe, Nb, Mo	1978-Bier 1147
1978	Eckardt, J. C. 'Energy Loss and Straggling of Protons and Helium Ions Traversing Some Thin Solid Foils' <i>Phys. Rev. A</i> , 18, 426-433 (1978) <i>Comment</i> : S, dS. 20-260 keV H, He -> Ge, Se, Pd, Ag, Sb, Bi	1978-Ecka2 1154
1978	Langley, R. A. Brice, D. K. 'Energy Straggling of Protons in Be, C, Al, Si' <i>Phys. Rev. B</i> , 18, 4673 (1978) <i>Comment</i> : dS. (.5-2.5 MeV) H -> Be, C, Al, Si	1978-Lang3 1149
1979	Ishii, K. Blondiaux, G. Valladon, M. Debrun, D. L. 'The Study of Stopping Powers by the Method of the Average Stopping Power' <i>Nucl. Inst. Methods</i> , 158, 199-203 (1979) <i>Comment</i> : S. T (3MeV) -> BeO, Al2O3, SiO2, TiO2, ZnO, Nb2O5, Ta2O5	1979-Ishi 1539
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</i> , 75A, 112-114 (1979) <i>Comment</i> : S. 6.5- 7 MeV H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au	1979-Ishi2 1349
1980	Blondiaux, G. Valladon, M. Ishii, K. Debrun, J. L. 'Search for the Influence of Chemical Effect on the Stopping Power: the Case of Oxides' <i>Nucl. Inst. Methods</i> , 168, 29-31 (1980) <i>Comment</i> : S, dS. .5-2.5 MeV H -> BeO, Al2O3, TiO2, Zno, Nb2O5, Ta2O5	1980-Blon 1314

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1980	Bruner, K. Hink, W. Roth, M. 'Stopping Power for H in Be (20-120 keV)' <i>Nucl. Inst. Methods, 173, 357 (1980)</i> <i>Comment : S, dS. 20-120 keV H -> Be</i>	1980-Brun 1357
1980	Brunner, K. Hink, W. Roth, M. 'Stopping Power for H in Be(20-120 keV)' <i>Nucl. Inst. Methods, 173, 357-362 (1980)</i> <i>Comment : S, H, He (20-120 keV) -> Be</i>	1980-Brun2 1422
1980	Knudsen, H. Andersen, H. H. Martini, V. 'Hydrogen and Helium Stopping Powers of Rare-Earth Metals' <i>Nucl. Inst. Methods, 168, 41-50 (1980)</i> <i>Comment : S, H, He (0.2-2.0 MeV) -> La, Ce, Pr, Gd, Dy, Ho, Er, Yb, Sn, Bi</i>	1980-Knud 1410
1980	Sofield, C. J. Cowern, N. E. B. Freeman, J. M. 'Charge-Exchange Effects in Energy-Loss Straggling' <i>Nucl. Inst. Methods, 170, 221-225 (1980)</i> <i>Comment : R, dR. 0-50 MeV Atomic Numbers 1-16 -> Al</i>	1980-Sofi 1378
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
1983	Baumgart, H. Berg, H. Huttel, E. Clausnitzer, G. 'Proton Stopping Cross-Sections and Mean Excitation Energies for Gaseous Cl ₂ and Br ₂ ' <i>Phys. Rev. A, 28 (5), 3109-3111 (1983)</i> <i>Comment : S. H (50-750 keV) -> Cl, Br (gases)</i>	1983-Baum2 1420
1983	Krist, Th. Mertens, P. 'Proton Energies at the Maximum of the Electronic Stopping Cross Section in Materials with 57 <Z<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
1984	Baumgart, H. Berg, G. Huttel, E. Praff, E. Reiter, G. 'Proton and Helium Stopping Cross Sections in Cl ₂ and Br ₂ ' <i>Nucl. Inst. Methods, B2, 145-148 (1984)</i> <i>Comment : S, H, He (50-1000 keV) -> Cl, Br (gases)</i>	1984-Baum2 1414

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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> Comment : S. H (7 MeV) -> Be, Al, Cu, Ag, Ta (Angular effects)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">1984-Ishi3</td></tr> <tr><td style="text-align: center;">1679</td></tr> </table>	1984-Ishi3	1679
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> Comment : S. H, He, Li, Be, B (50-350 keV) -> C, Al, V, Cr, Fe, Ni, Cu, Zn, Ag, Pt, Au, Bi	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">1984-Kris</td></tr> <tr><td style="text-align: center;">1467</td></tr> </table>	1984-Kris	1467
1984-Kris				
1467				
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> 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)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">1988-Ishi2</td></tr> <tr><td style="text-align: center;">1682</td></tr> </table>	1988-Ishi2	1682
1988-Ishi2				
1682				
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> Comment : S. H, He (6.5 MeV) -> Be, Ti, Fe, Ni, Zn, Mo, Pd, Cd, Sn, Pt, Pb (mean ionization energies)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">1988-Saka</td></tr> <tr><td style="text-align: center;">1752</td></tr> </table>	1988-Saka	1752
1988-Saka				
1752				
1993	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> Comment : S. H (<10 keV) -> Al, Ag, Au, Bi	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">1993-Vald</td></tr> <tr><td style="text-align: center;">1874</td></tr> </table>	1993-Vald	1874
1993-Vald				
1874				
1994	Avdeichikov, V. V. Bergholt, L. Guttormsen, M. Taylor, J. E. Westerberg, L. 'Light Output and Energy Resolution of CsI, YAG, GSO, BGO, LSO Scintillators for Light Ions' <i>Nucl. Inst. Methods, A349, 216-224 (1994)</i> Comment : S. H, D, He (3-20 MeV/amu)-> CsI, YAG, GSO, BGO, LSO Scintillators	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">1994-Avde</td></tr> <tr><td style="text-align: center;">2074</td></tr> </table>	1994-Avde	2074
1994-Avde				
2074				
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> Comment : S. D (13 MeV) -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">1994-Shio</td></tr> <tr><td style="text-align: center;">2051</td></tr> </table>	1994-Shio	2051
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