

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1909	Taylor, T. S. 'On the Retardation of Alpha Rays by Metals and Gases' <i>Phil. Mag., 18, 604-619 (1909)</i> <i>Comment : S. 7.7 MeV He -> Au, Sn, Pb, Al, H2, Paper, Collodium, Rel. To Air</i>	1909-Tayl 0117
1928	Rosenblum, S. 'Recherches Experimentales Sur Le Passage Des Rayons Alpha a Travers La Matiere' <i>Ann. de Physique, 10, 408-471 (1928)</i> <i>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</i>	1928-Rose 0110
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, 15, 149-52 (1972)</i> <i>Comment : S (1-6 MeV) H, He -> W, Pb, Ta, Mo, W, Ag, Yb, Ce.</i>	1972-Siro 0486
1973	Chu, W. K. Ziegler, J. F. Mitchell, I. V. Mackintosh, W. D. 'Energy-Loss Measurements of 4He Ions in Heavy Metals' <i>Appl. Phys. Letters, 22, 437-39 (1973)</i> <i>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</i>	1973-Chu 3 0124
1974	Borders, J. A. 'Helium Ion Stopping Cross Sections in Bismuth, Lead and Tungsten' <i>Rad. Effects, 21, 165-69 (1974)</i> <i>Comment : S. 0.4-1.9 MeV He -> Bi, Pb, W</i>	1974-Bord 0548
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' <i>Phys. Rev. A, 27 (3), 1360-1364 (1983)</i> <i>Comment : S. He, C (7 MeV) -> Ni, Ag, Au, Pb</i>	1983-Taka 1442
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' <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
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

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1992	Eppacher, C. Semrad, D. 'The Effective Charge of He Ions in Metals' <i>Nucl. Inst. Methods, B67, 138-141 (1992)</i> <i>Comment : S. H, He (1-2.5 Vo) -> Ge, Sn and Pb</i>	1992-Eppa 1898
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