

# Citations for Ion :

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1964	Sidenius, G. 'Measurement of dE/dX in Gases with Low Energy Heavy Particles' <i>M. R. C. McDowell (Ed.) Atomic Collision Processes, North-Holland, Amsterdam, P. 709-16 (1964)</i> <i>Comment : S. (20-50 keV) Cl, Ga, Zr, Sb, Pb, Fe, Ca, Ge, U -&gt; H2</i>	1964-Side
1967	Sperduto, A. Buechner, W. W. VanDeGraaff, R. J. 'Range-Energy Measurements for Heavy Ions' <i>Bull. Am. Phys. Soc., 12, 28c (1967)</i> <i>Comment : R. 100-240 MeV F, Br, I, Ta, U -&gt; Emulsion</i>	1967-Sper
1972	Brown, M. D. 'Interaction of Uranium Ions in Solids' <i>Ph.D. Thesis, University of Tennessee (1972)</i> <i>Comment : S. 30-95 MeV 238U -&gt; C, Al, Ni, Ag, Au</i>	1972-Brow
1972	Brown, M. D. Moak, C. D. 'Stopping Powers of Some Solids for 30-90-MeV 238U Ions' <i>Phys. Rev. B, 6, 90-94 (1972)</i> <i>Comment : S. 30-90 MeV 238U -&gt; C, Al, Ni, Ag, Au</i>	1972-Brow2
1975	Betz, G. Isele, H. -J. Rossle, E. Hortig, G. 'Stopping Powers of He, Air, and Kr for 5 to 110 MeV Uranium Ions' <i>Nucl. Inst. Methods, 123, 83-87 (1975)</i> <i>Comment : S. 5-110 MeV U -&gt; He, Air, Kr</i>	1975-Betz
1978	Nickel, F. Marx, D. Guttner, K. Hofmann, S. Munzenberg, G. 'Multiple Scattering and Energy Loss of Fast Heavy Ions in Thin Solid Targets' <i>Z. Physik A, 288, 125-131 (1978)</i> <i>Comment : S, dS. 1.2 MeV/amu Ar, Kr, Xe, U -&gt; C, Al, Ag, Au</i>	1978-Nick
1978	Pape, H. Clere, H. G. Schmidt, K. H. 'Energy Loss of Heavy Ions in Carbon Foils' <i>Z. Physik A, 286, 159-162 (1978).</i> <i>Comment : S. 0.2-1.4 MeV Ar, Ti, Kr, Xe, Pb, U -&gt; C</i>	1978-Pape
1980	Besenbacher, F. Bottiger, J. Laursen, T. Loftager, P. Moller, W. 'Z1-Oscillations in Low-Energy Heavy-Ion Ranges' <i>Nucl. Inst. Methods, 170, 183-188 (1980)</i> <i>Comment : R, dR. Atomic Numbers 18-92 (epsilon=.015) -&gt; Si</i>	1980-Bese2
1980	Bimbot, R. Gardes, D. Geissel, H. Kitahara, T. Armbuster, P. 'Stopping Power Measurements for 3-5 MeV/amu Kr, Xe, Pb and U in Solids' <i>Nucl. Inst. Methods, 174, 231-236 (1980)</i> <i>Comment : S. Kr, Xe, Pb, U (3-5 MeV/amu) -&gt; C, Al, Ti, Ni, Zr, Ag, Ta, Ir, Au, Mylar, Hostaphan</i>	1980-Bimb

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<b>1980</b>	Geissel, H. Armbruster, P. Kitahara, T. Kraft, G. Spieler, H. 'Energy Loss of Heavy Particles in Solid Materials' <i>Nucl. Inst. Methods, 170, 217 (1980)</i> <i>Comment : S. 0.5-1.5 MeV/amu Ar, U -&gt; 6 &lt;= Z2 &lt;= 92</i>	1980-Geis
<b>1982</b>	Geissel, H. Laichter, YI Schneider, W. F. W. Armbruster, P. 'Energy Loss and Energy Loss Straggling of Fast Heavy Ions in Matter' <i>Nucl. Inst. Methods, 194, 21-29 (1982)</i> <i>Comment : S. Heavy Ions (18 - 92) at 0.5-10 MeV/amu -&gt; 17 Solids and 5 Gases</i>	1982-Geis
<b>1982</b>	Laichter, Y. Geissel, H. Schadel, M. Armbruster, P. 'Range Profiles for 0.15-10 MeV/amu Uranium Ions in Solids' <i>Phys. Rev. A, 26 (4), 1915-1923 (1982)</i> <i>Comment : R, dR. U (0.15-10 MeV/amu) -&gt; C, Al, Ti, Ni, Nb, Pd, Sn</i>	1982-Laic
<b>1982</b>	Laichter, YI Geissel, H. Schadel, M. Armbruster, P. 'Range Profiles for 0.15-10 MeV/amu Uranium Ions in Solids' <i>Phys. Rev. A, 26, 1915-1923 (1982)</i> <i>Comment : R,dR. U (0.15-10 MeV/amu) -&gt; C, Al, Ti, Ni, Nb, Pd, Sn</i>	1982-Laic3
<b>1983</b>	Cowern, E. B. Woods, C. J. Sofield, C. J. 'The Gas-Solid Density Effect for MeV/amu Ions: Chage Changing Cross-Sections and the Effective Charge' <i>Nucl. Inst. Methods, 216, 287-292 (1983)</i> <i>Comment : S. C, U (3-8 MeV/amu) -&gt; C</i>	1983-Cowe
<b>1983</b>	Geissel, H. Laichter, Y. Schneider, W. F. W. Armbruster, P. 'On the Effective Charges from Stopping Powers of 0.5-10 MeV/amu Heavy Ions' <i>Phys. Letters, 99A, no. 2-3, 77-80 (1983)</i> <i>Comment : S. Kr, Xe, W, Pb, U (1-6 MeV/amu) -&gt; 13 metallic foils</i>	1983-Geis
<b>1986</b>	Lennard, W. N. Geissel, H. Jackson, D. P. Phillips, D. 'Electronic Stopping Values for Low Velocity Ions (9 <= Z1 <= 92) in Carbon Targets' <i>Nucl. Inst. Methods, B13, 127 (1986)</i> <i>Comment : S. (16 keV/amu) F, Ne, Na, Mg, Al, P, Cl, Ar, K, Sc, Cr, Mn, Cu, Kr, Nb, Ag, In, Xe, Sm, Yb, Au, Bi, U -&gt; C</i>	1986-Lenn2
<b>1988</b>	Balanzat, E. Jousset, J. C. Toulemonde, M. 'Latent Tracks Induced by Heavy Ions in the GeV Energy Range: Results at GANIL' <i>Nucl. Inst. Methods, B32, 368-376 (1988)</i> <i>Comment : R. O, Ar, Kr, Mo, Xe, U (4-85 MeV/amu) -&gt; Polymers, Insulators, Superconductors: Track Analysis</i>	1988-Bala
<b>1988</b>	Brown, J. G. Galvin, J. E. Yu, K. M. 'High Dose Uranium Ion Implantation into Silicon' <i>Nucl. Inst. Methods, B31, 558-562 (1988)</i> <i>Comment : R, dR. U (157 keV) -&gt; Si (High Dose)</i>	1988-Brow

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<b>1988</b>	Geissel, H. Laichter, Y. Schneider, W. F. W. Armbruster, P. 'Observation of a Gas-Solid Difference in the Stopping Powers of 1-10 MeV/amu Heavy Ions' <i>Phys. Letters, 88A, 26 (1988)</i> <i>Comment : S. Kr, Xe, Pb, U (1-10 MeV/amu) -&gt; Ti, Ar, Zr, Kr. Gas/Solid stopping differences.</i>	1988-Geis
<b>1988</b>	Hoffmann, D. H. H. Weyrich, K. Wahl, H. Peter, Th. Bimbot, R. 'Experimental Observation of Enhanced Stopping of Heavy Ions in a Hydrogen Plasma' <i>Z. Phys. A, 30, 339-340 (1988)</i> <i>Comment : S. U(333 MeV) -&gt; H (plasma)</i>	1988-Hoff
<b>1991</b>	Dwivedi, K. K. 'Range and Energy Loss of Heavy Ions by a Nuclear Track Technique' <i>Nucl. Tracks Rad. Meas. (UK), 19, 71-76 (1991)</i> <i>Comment : S, R. U(16.34 MeV/amu) -&gt; CR-39, Ni, Ta</i>	1991-Dwiv
<b>1992</b>	Sharma, S. K. Kumar, S. Sharma, A. P. 'Response of Soda Glass Detectors to U-238 and Fe-56 Ions' <i>Appl. Rad. Isotopes (UK), 43, 1493-1498 (1992)</i> <i>Comment : S. U, Fe (144, 199 MeV/amu) -&gt; Glass &amp; polymer track detectors</i>	1992-Shar
<b>1993</b>	Bogdanov, S. D. Zhurkin, E. E. Kosmach, V. F. Hassan, D. 'Effect of Z*3 Correction in Ionization Energy Losses on the Ranges of Heavy Ions' <i>Pis'Ma Zh. Eksp. Teor. Fiz. (Russia), 58, 711-714 (1993) [Eng. Trans. JETP Letters, (1993)]</i> <i>Comment : R. Ne, Ar, Fe, Au, U (0.3-1.2 GeV/amu) -&gt; Emulsion</i>	1993-Bogd
<b>1993</b>	Raju, J. Dwivedi, K. K. 'Track Etch Rate: Reflection of the Total Energy Loss Rate (dE/dx) for U-238 in CR-39' <i>Nucl. Tracks Rad. Meas. (UK), 22, 149-152 (1993)</i> <i>Comment : S,R. U -&gt; CR-39</i>	1993-Raju
<b>1995</b>	Bogdanov, S. S. Dudkin, V. E. Hassan, J. 'Ranges of 0.2-1.0 GeV/amu Heavy Ions in Nuchor' <i>Rad. Meas. (UK), 25, 111-114 (1995)</i> <i>Comment : R. Ne, Ar, Fe, Au, U (0.2-1.0 GeV/amu) -&gt; BR-2 (Nuchor) photoemulsion</i>	1995-Bogd
<b>1996</b>	Bimbot, R. Barbey, S. Benfoughal, T. Clapier, F. Mirea, M. 'Stopping Powers of Gases for Very Heavy Ions' <i>Nucl. Inst. Methods, B107, 9-14 (1996)</i> <i>Comment : S. U, Pb (24 MeV/amu, 29 MeV/amu) -&gt; H, N, O, N, Ar, Kr, Xe</i>	1996-Bimb
<b>1996</b>	Scheidenberger, C. Geissel, H. Nuckel, F. Czajkowski, S. Folger, H. 'Energy Loss Straggling Experiments with Relativistic Heavy Ions in Solids' <i>Phys. Rev. Letters, 77, 3987-3990 (1996)</i> <i>Comment : dS. O, Xe, Au, U (700-1000 MeV/amu) -&gt; ?</i>	1996-Sche

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<b>Pub. Year</b>	<b>Authors, Title, Journal Citation and Comments</b>	<b>Citation Numb</b>
<b>1998</b>	Geissel, H. Scheidenberger, C. 'Slowing Down of Relativistic Heavy Ions and New Applications' <i>Nucl. Inst. And Methods, B136-138, 114-124 (1998)</i> <i>Comment : S, dS, O, Ar, Kr, Xe, Au, U (beta=0.1-1) -&gt; Be, Cu</i>	1998-Geis
<b>1999</b>	Porter, L. E. 'Modified Bethe-Bloch Stopping Power Parameters for Kapton' <i>Intl. J. Quantum Chem., 75, 943-950 (1999)</i> <i>Comment : R, Ar, Kr, Xe, Zu, U (0.1 - 12 MeV/u) -&gt; PET</i>	1999-Port3
<b>2002</b>	Geissel, H. Weick, H. Scheidenberger, C. Bimbot, R. Gardes, D. 'Experimental Studies of Heavy-Ion Slowing Down in Matter' <i>Nucl. Inst. Methods, B195, 3-54 (2002)</i> <i>Comment : S. Summary of 18 Heavy Ion Stopping in 26 Targets</i>	2002-Geis
<b>2010</b>	Barbui, M. Fabris, D. Lunardon, M. Moretto, S. Nebbia, G. 'Energy loss of energetic /sup 40/Ar, /sup 84/Kr, /sup 197/Au and /sup 238/U ions in mylar, aluminum and isobutane' <i>Nucl.Instrum.Methods Phys.Res. B268, 20 (2010)</i> <i>Comment : S. Ar, Kr, Au, U -&gt; Al, Mylar, Butane at many energies</i>	2010-Barb