

# Citations for Ion = **H** , Target = **He**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb		
<b>1942</b>	<p>Creenshaw, C. M.  <b>'The Loss of Energy of Hydrogen Ions Traversing Various Gases'</b>  <i>Phys. Rev.</i>, <b>62</b>, 54-64 (1942)</p> <p><i>Comment</i> : S. 60-340 keV H, D -&gt; H<sub>2</sub>, D<sub>2</sub>, He, H<sub>2</sub>O Rel. To Air</p>	<table border="1"> <tr><td style="text-align: center;"><b>1942-Cree</b></td></tr> <tr><td style="text-align: center;">0040</td></tr> </table>	<b>1942-Cree</b>	0040
<b>1942-Cree</b>				
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<b>1944</b>	<p>Gray, L. H.  <b>'The Ionization Method of Measuring Neutron Energy'</b>  <i>Proc. Comb. Phil. Soc.</i>, <b>40</b>, 72-102 (1944)</p> <p><i>Comment</i> : S. H, He (.25 -8 MeV) -&gt; He, N, O, Ne, Ar, Air. Early paper on stopping and ionization effects of charged particles.</p>	<table border="1"> <tr><td style="text-align: center;"><b>1944-Gray</b></td></tr> <tr><td style="text-align: center;">1578</td></tr> </table>	<b>1944-Gray</b>	1578
<b>1944-Gray</b>				
1578				
<b>1952</b>	<p>Evans, G. E. Barnett, C. F. Stier, P. M. DeRito, V. L.  <b>'Extrapolated Ionization Ranges of Ions Heavier Than Protons'</b>  <i>ORNL-1278</i>, 17-21 (1952)</p> <p><i>Comment</i> : R. (50-300 keV) H, He, N, Ne, Ar -&gt; He, N<sub>2</sub>, Ar, Air</p>	<table border="1"> <tr><td style="text-align: center;"><b>1952-Evan</b></td></tr> <tr><td style="text-align: center;">0057</td></tr> </table>	<b>1952-Evan</b>	0057
<b>1952-Evan</b>				
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<b>1952</b>	<p>Mills, R. G.  <b>'A Cloud Chamber Investigation of Low Energy Range-Energy Relations'</b>  <i>UCRL Rpt. 1815</i>, 1-89 (1952)</p> <p><i>Comment</i> : R. 50-250 keV H, 100-360 keV He, 30-110 keV O -&gt; He, O<sub>2</sub>, H<sub>2</sub>O</p>	<table border="1"> <tr><td style="text-align: center;"><b>1952-Mill</b></td></tr> <tr><td style="text-align: center;">0092</td></tr> </table>	<b>1952-Mill</b>	0092
<b>1952-Mill</b>				
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<b>1953</b>	<p>Phillips, J. A.  <b>'The Energy Loss of Low Energy Protons in Some Gases'</b>  <i>Phys. Rev.</i>, <b>90</b>, 532-37 (1953)</p> <p><i>Comment</i> : S. 10-80 keV H -&gt; H<sub>2</sub>, He, N<sub>2</sub>, O<sub>2</sub>, Ar, Kr, H<sub>2</sub>O, CO<sub>2</sub>, CCl<sub>4</sub></p>	<table border="1"> <tr><td style="text-align: center;"><b>1953-Phil</b></td></tr> <tr><td style="text-align: center;">0099</td></tr> </table>	<b>1953-Phil</b>	0099
<b>1953-Phil</b>				
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<b>1953</b>	<p>Reynolds, H. K. Dunbar, D. N. F. Wenzel, W. A. Whaling, W.  <b>'The Stopping Cross Section of Gases for Protons, 30-600 keV'</b>  <i>Phys. Rev.</i>, <b>92</b>, 742-48 (1953)</p> <p><i>Comment</i> : S. 30-600 keV H -&gt; H<sub>2</sub>, He, O<sub>2</sub>, Air, N<sub>2</sub>, Ne, Ar, Kr, Xe, Hydrocarbons.</p>	<table border="1"> <tr><td style="text-align: center;"><b>1953-Reyn</b></td></tr> <tr><td style="text-align: center;">0103</td></tr> </table>	<b>1953-Reyn</b>	0103
<b>1953-Reyn</b>				
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<b>1953</b>	<p>Weyl, P. K.  <b>'The Energy Loss of Hydrogen, Helium, Nitrogen and Neon Ions in Gases'</b>  <i>Phys. Rev.</i>, <b>91</b>, 289-96 (1953)</p> <p><i>Comment</i> : S. 150-450 keV H, D, He, N, Ne -&gt; H<sub>2</sub>, He, Air, Ar</p>	<table border="1"> <tr><td style="text-align: center;"><b>1953-Weyl</b></td></tr> <tr><td style="text-align: center;">0131</td></tr> </table>	<b>1953-Weyl</b>	0131
<b>1953-Weyl</b>				
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<b>1963</b>	<p>Park, J. T. Zimmermann, E. J.  <b>'Stopping Cross Section of Some Hydrocarbon Gases for 40-250 keV Protons and Helium Ions'</b>  <i>Phys. Rev.</i>, <b>131</b>, 1611-18 (1963)</p> <p><i>Comment</i> : S. 40-250 keV H -&gt; Air, He, Various Hydrocarbons</p>	<table border="1"> <tr><td style="text-align: center;"><b>1963-Park</b></td></tr> <tr><td style="text-align: center;">0175</td></tr> </table>	<b>1963-Park</b>	0175
<b>1963-Park</b>				
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<b>1966</b>	<p>Mason, D. L. Prior, R. M. Quinton, A. R.  <b>'The Energy Stragglings of 1 MeV Protons in Gases'</b>  <i>Nucl. Inst. Methods</i>, <b>45</b>, 41-44 (1966)</p> <p><i>Comment</i> : dS. 1 MeV H -&gt; H, He, N, O, Ar, Xe</p>	<table border="1"> <tr><td style="text-align: center;"><b>1966-Maso</b></td></tr> <tr><td style="text-align: center;">0282</td></tr> </table>	<b>1966-Maso</b>	0282
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<b>1968</b>	Hilbert, J. W. Baily, N. A. Lane, R. G. <b>'Statistical Fluctuations of Energy Deposited in Low-Atomic-Number Materials by 43 MeV Protons'</b> <i>Phys. Rev.</i> , 168, 290-93 (1968) <i>Comment</i> : dS. 43.7 MeV H -> He-CO2 Mixture	<b>1968-Hilb</b> 0401
<b>1968</b>	Hvelplund, P. <b>'Prisopgave'</b> <i>Aarhus University P. 1-105 (In Danish) (1968)</i> <i>Comment</i> : S, dS. Many Ions (H-Hg) at 50-500 keV -> H, He, Ne, Ar, Kr, Xe, Air	<b>1968-Hvel</b> 0406
<b>1969</b>	Baily, N. A. Steigerwalt, J. E. <b>'Frequency Distribution for Very Small Energy Losses by 46 MeV Protons'</b> <i>Bull. Am. Phys. Soc.</i> , 14, 846 (1969) <i>Comment</i> : dS. 46 MeV H -> He-CO2 Mixture	<b>1969-Bail</b> 0392
<b>1970</b>	Baily, N. A. Steigerwalt, J. E. Hilbert, J. W. <b>'Frequency Distrbution of Energy Deposition by Fast Charged Particles in Very Small Pathlengths'</b> <i>Phys. Rev. B</i> , 2, 577-582 (1970) <i>Comment</i> : dS. 46.4 MeV H -> He-CO2 Mixture	<b>1970-Bail</b> 0425
<b>1970</b>	Derrick, M. Fields, T. Hyman, L. G. Keyes, G. Fetkovich, J. <b>'Range-Energy Relation in Helium'</b> <i>Phys. Rev. A</i> , 2, 7-13 (1970) <i>Comment</i> : R. 30.6 MeV 3H, 8.43 MeV 4H, 4.12 MeV Mu+, Mu- -> He	<b>1970-Derr</b> 0418
<b>1970</b>	Walsh, P. J. Underwood, N. <b>'Energy Loss of Heavy Charged Particles'</b> <i>Health Phys.</i> , 18, 561-565 (1970) <i>Comment</i> : S. H (0.3-8 MeV) -> H, He, Li, C. Theory, compared to experiments.	<b>1970-Wals</b> 1950
<b>1971</b>	Bonderup, E. Hvelplund, P. <b>'Stopping Power and Energy Stragglng of Swift Protons'</b> <i>Phys. Rev. A</i> , 4, 562-69 (1971) <i>Comment</i> : S,dS. 100-500 keV H -> H2, He, Air, Ne, Ar, Kr	<b>1971-Bond</b> 0429
<b>1977</b>	Besenbacher, F. Heinmeier, J. Hvelplund, P. Knudsen, H. <b>'Energy-Loss Stragglng for Protons and Helium Ions'</b> <i>Phys. Letters</i> , 61A, 75-77 (1977) <i>Comment</i> : dS. 50-500 keV/Nucleon H, He -> Kr, N, He	<b>1977-Bese2</b> 1025
<b>1979</b>	Besenbacher, F. Andersen, H. H. Hvelplund, P. Knudsen, H. <b>'Stopping Power of Swift Hydrogen and Helium Ions in Gases'</b> <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd.</i> 40, 1-39 (1979) <i>Comment</i> : S. 40 keV-1 MeV H And 100 keV-2.4 MeV He -> H2, He, N2, O2, CO2, Ne, Ar, Kr, Xe	<b>1979-Bese</b> 1160

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<b>1979</b>	Dennis, J. A. Powers, D. <b>'The Dependence of Stopping Power on Physical and Chemical States'</b> <i>Preprint (1979) 8</i> <i>Comment : S. H, He -&gt; Gases (Review Of Current Data)</i>	<b>1979-Denn</b> 1193
<b>1980</b>	Sofield, C. J. Cowern, N. E. B. Freeman, J. M. <b>'Charge-Exchange Effects in Energy-Loss Straggling'</b> <i>Nucl. Inst. Methods, 170, 221-225 (1980)</i> <i>Comment : R, dR. 0-50 MeV Atomic Numbers 1-16 -&gt; Al</i>	<b>1980-Sofi</b> 1378
<b>1983</b>	Baumgart, H. Arnold, W. Berg, H. Huttel, E. Clausnitzer, G. <b>'Proton Stopping Powers in Various Gases'</b> <i>Nucl. Inst. Methods, 204, 597 (1983)</i> <i>Comment : H (60-800 keV) -&gt; H, He, N, O, Ne, Ar, Kr, Xe</i>	<b>1983-Baum</b> 1614
<b>1984</b>	Xu, Y. J. Khandelwal, G. S. Wilson, J. W. <b>'Intermediate Energy Proton Stopping Power for Hydrogen Molecules and Monoatomic Helium Gas'</b> <i>Phys. Letters, 100A, 3, 137-140 (1984)</i> <i>Comment : S. H (0.1-1.0 MeV) -&gt; H2, He</i>	<b>1984-Xu 2</b> 1464
<b>1990</b>	Reiter, G. Kniest, N. Pfaff, E. Clausnitzer, G. <b>'Proton and Helium Stopping Cross Sections in H, He, N, O, Ne, Ar, Kr, Xe, CH4'</b> <i>Nucl. Inst. Methods, B44, 399-411 (1990)</i> <i>Comment : S. H, He (0.7-3.0 MeV) -&gt; H, He, N, O, Ne, Ar, Kr, Xe, CH4</i>	<b>1990-Reit</b> 1933
<b>1991</b>	Golser, R. Semrad, D. <b>'Observation of a Striking Departure from Velocity Proportionality in Low Energy Electronic Stopping'</b> <i>Phys. Rev. Letters, 66, 1831 (1991)</i> <i>Comment : S. H (3 - 20 keV) He</i>	<b>1991-Gols</b> 1654
<b>1992</b>	Golser, R. Semrad, D. <b>'Energy Loss of Hydrogen and Helium Ions in Hydrogen and Helium Gas: Looking for Exceptions from Velocity Proportionality'</b> <i>Nucl. Inst. Methods, B69, 18-21 (1992)</i> <i>Comment : S. H, D, He (4 keV/amu) -&gt; H, He</i>	<b>1992-Gols3</b> 1893
<b>1993</b>	Schiefermuller, A. Galsler, R. Stohl, R. Semrad, D. <b>'Energy Loss of Hydrogen Projectiles in Gases'</b> <i>Phys. Rev. A, 48, 4467-4475 (1993)</i> <i>Comment : S. H (3-20 keV/amu) -&gt; H2, D, He, Ne</i>	<b>1993-Schi</b> 2076
<b>1994</b>	Auth, C. Winter, H. <b>'Impact Parameter Dependence of the Energy Loss of Fast Protons in Single Collisions with Noble Gas Atoms'</b> <i>Nucl. Inst. Methods, B93, 123-131 (1994)</i> <i>Comment : S. H (50-250 keV) -&gt; He, Ne Ar</i>	<b>1994-Auth</b> 1854

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<b>1994</b>	OBELIX Collaboration 'Recent Results from OBELIX in Atomic Physics' <i>Yaderna Fiz. (Russia), 57, 1816-1828 (1994)</i> <i>Comment : S. H (0.5keV-3.3 MeV) -&gt; H, He (gas) Pressure effects on stopping.</i>	<b>1994-OBEL</b> 2041
<b>1994</b>	Schiwietz, G. Grande, P. L. Auth, C. Winter, H. Salin, A. 'Angular Dependence of Energy Loss in Prton-Helium Collisions' <i>Phys. Rev. Letters, 72, 2159-2162 (1994)</i> <i>Comment : S. H (50-250 keV) -&gt; He (single collision scattering)</i>	<b>1994-Schi</b> 1860
<b>1995</b>	Agnello, M. Belli, G. Bertin, A. Botta, E. Zoccoli, A. 'Anti-Proton Slowing Down in H-2 and He and Evidence of Nuclear Stopping Power' <i>Phys. Rev. Letters, 74, 371-374 (1995)</i> <i>Comment : S, Sn. H- (0.5-1.1 MeV) -&gt; H, He</i>	<b>1995-Agne</b> 1744
<b>1996</b>	Golser, R. Semrad, D. Aumayr, F. 'Electronic Stopping in a He-H2 Mixture Substantially Exceeds Bragg's Rule Value' <i>Phys. Rev. Lett., 76, 3104-3107 (1996)</i> <i>Comment : S. D (4 keV/amu) -&gt; He/H mixtures.</i>	<b>1996-Gols</b> 2160
<b>2000</b>	Formicola, A. Aliotta, M. Gyurky, G. Raiola, F. Bonetti, R. 'Energy Loss of Deuterons in He-3 Gas; A Threshold Effect' <i>Eur. Phys. J., A8, 443-446 (2000)</i> <i>Comment : S. D (15 - 100 keV) -&gt; He3</i>	<b>2000-Form</b> 2370
<b>2001</b>	Raiola, F. Gyurky, G. Aliotta, M. Formicola, A. Bonetti, R. 'Stopping Power of Low Energy Deuterons in He-3 Gas' <i>Eur. Phys. J, A10, 487-491 (2001)</i> <i>Comment : S. D (10 -100 keV) -&gt; He3 gas</i>	<b>2001-Raio</b> 2368