

# Citations for Target : **Mylar**

| <b>Pub. Year</b> | <b>Authors, Title, Journal Citation and Comments</b>   | <b>Citation Numb</b>      |
|------------------|--|---------------------------|
| <b>1960</b>      | Schambra, P. E. Rauth, A. M. Northcliffe, L. C.<br>'Energy Loss Measurements for Heavy Ions in Mylar and Polythene'<br><i>Phys. Rev., 120, 1758-61 (1960)</i><br><i>Comment : S. 12-120 MeV C, 16-160 MeV O, 20-200 MeV Ne -&gt; Mylar, Polyethylene</i>                         | <b>1960-Scha</b><br>0722  |
| <b>1960</b>      | Schambra, P. E. Rauth, A. M. Northcliffe, L. C.<br>'Energy Loss Measurements for Heavy Ions in Mylar and Polyethylene'<br><i>Phys. Rev., 120, 1758 (1960)</i><br><i>Comment : S. He, B, Be, C, N, O, F, Ne (10 MeV/amu) -&gt; Mylar, Polyethylene</i>                            | <b>1960-Scha2</b><br>1931 |
| <b>1965</b>      | Hosono, K. Ishiwari, R. Uemura, Y.<br>'Measurement of Absolute Energy Loss of 28 MeV Alpha Particles in Various Materials'<br><i>Bull. Inst. Chem. Res. Kyoto Univ., 43, 323-29 (1965)</i><br><i>Comment : S. 28 MeV He -&gt; Au, Sn, Mylar</i>                                  | <b>1965-Hoso</b><br>0268  |
| <b>1966</b>      | Mulas, P. M. Axtmann, R. C.<br>'Energy Loss of Fission Fragments in Light Materials'<br><i>Phys. Rev., 146, 296-300 (1966)</i><br><i>Comment : S. Fiss. Fragm. -&gt; H2, D2, Mylar, N2</i>   | <b>1966-Mula</b><br>0259  |
| <b>1967</b>      | Cumming, J. B. Crespo, V. D.<br>'Energy Loss and Range of Fission Fragments in Solid Media'<br><i>Phys. Rev., 161, 287-93 (1967)</i><br><i>Comment : S. Fission Fragments -&gt; Mylar</i>  | <b>1967-Cumm</b><br>0306  |
| <b>1968</b>      | Pierce, T. E. Bowman, W. W. Blann, M.<br>'Stopping Power of S32, Cl35, Br79 and I127 Ions in Mylar'<br><i>Phys. Rev., 172, 287-91 (1968)</i><br><i>Comment : S. 15-95 MeV 32S, 35Cl, 30-90 MeV 79Br, 60-105 MeV 127I -&gt; Mylar</i>   | <b>1968-Pier2</b><br>0347 |
| <b>1975</b>      | Duder, J. C. Clare, J. F. Naylor, N.<br>'Stopping Power of Havar for 0.8-3.9 MeV Deuterons and 2.9-6.0 MeV Protons.'<br><i>Nucl. Inst. Methods, 123, 89-91 (1975)</i><br><i>Comment : S. 0.8-3.9 MeV D, 2.9-6.0 MeV H -&gt; Havar (Mainly Co).</i>                               | <b>1975-Dude</b><br>0523  |
| <b>1975</b>      | Shepard, C. L. Porter, L. E.<br>'Stopping Power of Several Composite Materials for 2.5 and 3.5 MeV Deuterons and 5.5 MeV Alpha Particles.'<br><i>Phys. Rev. B, 12, 1649-57 (1975)</i><br><i>Comment : S. (2.4-5.4 MeV) D, He -&gt; Havar, Mu-Metal, Permalloy, Mylar, Teflon</i> | <b>1975-Shep</b><br>0619  |
| <b>1976</b>      | Geary, M. J. Haque, A. K. M. M.<br>'The Stopping Power and Straggling for Alpha Particles in Tissue Equivalent Materials'<br><i>Nucl. Inst. Methods, 137, 151-5 (1976)</i><br><i>Comment : S, dS. 0.5-5.5 MeV He -&gt; Air, Melinex, Mylar</i>                                   | <b>1976-Gear</b><br>0912  |

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|-------------|---|---------------------------|
| <b>1979</b> | Aframian, A.<br>'Dependence of the Stopping Power of Charged Particles in the Physical State of Organic Dielectric Compounds'<br><i>Appl. Phys.</i> , <b>19</b> , 353-358 (1979)<br><i>Comment</i> : S. He, Ar, Kr (1-40 MeV/amu) -> Cell-Nitrate, Polyethylene, Polystyrene, Mylar, Melinex                            | <b>1979-Afra</b><br>1252  |
| <b>1980</b> | Bimbot, R. Gardes, D. Geissel, H. Kitahara, T. Armbuster, P.<br>'Stopping Power Measurements for 3-5 MeV/amu Kr, Xe, Pb and U in Solids'<br><i>Nucl. Inst. Methods</i> , <b>174</b> , 231-236 (1980)<br><i>Comment</i> : S. Kr, Xe, Pb, U (3-5 MeV/amu) -> C, Al, Ti, Ni, Zr, Ag, Ta, Ir, Au, Mylar, Hostaphan          | <b>1980-Bimb</b><br>1408  |
| <b>1982</b> | Ishiwari, R. Shiomi, N. Sakamoto, N.<br>'Geometric Effect on the Measurement of Stopping Power: Angular Dependent Energy Loss of 7 MeV Protons in Metallic and Organic Thin Foils'<br><i>Phys. Rev. A</i> , <b>25</b> , 2524 (1982)<br><i>Comment</i> : S. H (7 MeV) -> Be, Al, Ag, Mylar, Cellophane (Angular effects) | <b>1982-Ishi2</b><br>1676 |
| <b>1984</b> | Santry, D. C. Werner, R. D.<br>'Stopping Powers of C, Al, Si, Ti, Ni, Ag, Au and Mylar using Radioactive Alpha Sources'<br><i>Nucl. Inst. Methods</i> , <b>B1</b> , 13 (1984)<br><i>Comment</i> : S. He (2-7 MeV) -> > C, Al, Si, Ti, Ni, Ag, Au, Mylar   | <b>1984-Sant</b><br>1757  |
| <b>1985</b> | Rauhala, E. Raisanen, J.<br>'Energy Loss of 450-2400 keV Protons in Havar, Kapton and Aluminized Mylar Foils'<br><i>Nucl. Inst. Methods</i> , <b>B12</b> , 321 (1985)<br><i>Comment</i> : S. H (450-2400 keV) -> Havar, Kapton, Mylar   | <b>1985-Rauh</b><br>1741  |
| <b>1986</b> | Bimbot, R. Gauvin, H. Orliange, I.<br>'Stopping Powers of Solids for Ar and Ca Ions at Intermediate Energies (20-80 MeV/amu)'<br><i>Nucl. Inst. Methods</i> , <b>B17</b> , 1-10 (1986)<br><i>Comment</i> : S. Ar, Ca (20-80 MeV/amu) -> Be, C, Al, Si, Ti, Ni, Cu, Ag, Ta, Au, Mylar                                    | <b>1986-Bimb</b><br>1429  |
| <b>1987</b> | Gauvin, H. Bimbot, R. Herault, J. Anne, R. Bastin, G.<br>'Stopping Powers of Solids for 16O Ions at Intermediate Energies (20-95 MeV/amu)'<br><i>Nucl. Inst. Methods</i> , <b>B28</b> , 191-194 (1987)<br><i>Comment</i> : S. O (20-95 MeV/amu) -> Be, Al, Si, Ti, Ni, Cu, Ag, Ta, Au, Mylar                            | <b>1987-Gauv</b><br>1400  |
| <b>1987</b> | Raisanen, J. Rauhala, E.<br>'Stopping of Havar, Nickel, Kapton and Mylar for 5-19 MeV 16O Ions'<br><i>Phys. Rev. B</i> , <b>36</b> (18) 9776-9780 (1987)<br><i>Comment</i> : S. O(5-19 MeV) -> Ni, Kapton. Havar, Mylar   | <b>1987-Rais</b><br>1430  |

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|------------------|--|---------------------------|
| <b>1987</b>      | Raisanen, J. Rauhala, E.<br>'Nitrogen Ion Energy Loss in Havar, Nickel, Kapton and Mylar Foils'<br><i>Phys. Rev. B, 35 (3), 1426-1428 (1987)</i><br><i>Comment : S. N (6.1-16.9 MeV) -&gt; Ni, Havar, Kapton, Mylar</i>  | <b>1987-Rais2</b><br>1496 |
| <b>1987</b>      | Rauhala, E. Raisanen, J.<br>'Energy Loss of 1.3-2.6 MeV 4He Ions in Havar, Nickel, Kapton and Mylar Foils'<br><i>Nucl. Inst. Methods, B24/25, 362-365 (1987)</i><br><i>Comment : S. He (1.3-2.6 MeV) -&gt; Ni, Havar, Kapton, Mylar</i>  | <b>1987-Rauh</b><br>1436  |
| <b>1988</b>      | Rauhala, E. Raisanen, J.<br>'Stopping Powers of 0.5-8.3 MeV Protons in Havar, Nickel, Kapton and Mylar'<br><i>Nucl. Inst. Methods, B35, 130 (1988)</i><br><i>Comment : S. H (0.5-8.3 MeV) -&gt; Ni, Havar, Kapton, Mylar</i>   | <b>1988-Rauh</b><br>1742  |
| <b>1988</b>      | Rauhala, E. Raisanen, J.<br>'Stopping Powers and Energy Loss of 3-22 MeV 12C Ions in Havar, Nickel, Kapton and Mylar'<br><i>Phys. Rev. B, 37, 16, 9249-9253 (1988)</i><br><i>Comment : S. C (3-22 MeV) -&gt; Ni, Havar, Kapton, Mylar</i>  | <b>1988-Rauh2</b><br>1431 |
| <b>1989</b>      | Kiss, A. Z. Somorjai, E. Raisanen, J. Rauhala, E.<br>'Stopping Powers of 1.5-7.2 MeV He-4 Ions in Havar, Nickel, Kapton and Mylar'<br><i>Nucl. Inst. Methods, B39, 15-17 (1989)</i><br><i>Comment : S. He (1.5-7.2 MeV) -&gt; Havar, Ni, Kapton, Mylar</i>   | <b>1989-Kiss</b><br>1942  |
| <b>1989</b>      | Raisanen, J. Rauhala, E.<br>'Stopping Powers of Havar, Nickel, Kapton and Mylar for 3-18 MeV Lithium Ions'<br><i>Rad. Effects, 108, 21-26 (1989)</i><br><i>Comment : S. Li (2.6-18 MeV) -&gt; Havar, Ni, Kapton, Mylar</i>   | <b>1989-Rais</b><br>1938  |
| <b>1990</b>      | Gauvin, H. Bimbot, R. Heralut, J. Kubica, B. Anne, R.<br>'Stopping Powers of Solids for Kr, Mo, and Xe Ions at Intermediate Energies (20-45 MeV/amu) and the Charge State Distributions at Equilibrium'<br><i>Nucl. Inst. Methods, B47, 339 (1990)</i><br><i>Comment : S. Kr, Mo, Xe (25-45 MeV/amu) -&gt; Be, Al, Ta, Au, C, V, Mylar</i> | <b>1990-Gauv</b><br>1976  |
| <b>1990</b>      | Raisanen, J. Rauhala, E.<br>'Stopping Powers and Energy Loss of Mylar, Kapton, Havar and Ni for 10 Ions (Z= 3-17) in the Energy Range 0.2-2.1 MeV/amu'<br><i>Phys. Rev. B, 41, 3951-3958 (1990)</i><br><i>Comment : S. B, C, N, O, Al, Si, P, Cl (0.2-2.1 MeV/amu) -&gt; Mylar, Kapton, Havar, Ni</i>                                      | <b>1990-Rais</b><br>1929  |

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|------------------|--|---------------------------|
| <b>1990</b>      | Takahiro, K. Nishiyama, F. Yamasaki, T. Osaka, Y. Yamaguchi, S.<br>'Energy Loss of He-4 Ions in Mylar, Kapton and a-C:H'<br><i>Nucl. Inst. Methods, B52, 117-120 (1990)</i><br><i>Comment : S. He (0.5-2.0 MeV) -&gt; Mylar, Kapton, a-C:H</i>   | <b>1990-Taka</b><br>1918  |
| <b>1993</b>      | Jin, C. Lu, X. Huang, X. Ye, Y. Xia, Z.<br>'Stopping Power of Mylar for Low Velocity B-11, C-12 and O-16 Ions'<br><i>Phys. Rev. B, 48, 6858-5861 (1993)</i><br><i>Comment : S. B, C, O (1.0-6.0 MeV) -&gt; Mylar</i>   | <b>1993-Jin 2</b><br>1864 |
| <b>1994</b>      | Jin, H. Lu, X. Huang, X. Ye, Y. Xia, Z.<br>'Energy Loss and Stopping Power of He Ions in Mylar Foils'<br><i>Chinese Phys. Letters, 11, 200-202 (1994)</i><br><i>Comment : S. He -&gt; Mylar</i>  | <b>1994-Jin</b><br>1813   |
| <b>1994</b>      | Raisanen, J. Rauhala, E.<br>'Stopping Powers of 0.4-0.9 MeV Na in Al, Au, Mylar, Havar and LR-115'<br><i>Rad. Effects, 128, 163-166 (1994)</i><br><i>Comment : S. Na (0.4-0.9 MeV) -&gt; Al, Au, Mylar, Havar and LR-115</i>   | <b>1994-Rais3</b><br>1535 |
| <b>1995</b>      | Shiomi Tsuda, N. Sakamoto, N. Ogawa, H.<br>'Stopping Powers of Mylar for Protons from 4 - 11.5 MeV'<br><i>Nucl. Inst. Methods, B103, 255-260 (1995)</i><br><i>Comment : S. H (4.0-11.5 MeV) -&gt; Mylar</i>  | <b>1995-Shio</b><br>2066  |
| <b>1997</b>      | Shiomi-Tsuda, N. Sakamoto, N. Ogawa, H. Tanaka, M. Saito, M.<br>'Stopping Powers of Mylar for Protons from 0.40 to 3.25 MeV'<br><i>Nucl. Inst. Methods, B 129, 1-4 (1997)</i><br><i>Comment : S. H (0.4-3.25 MeV) -&gt; Mylar</i>  | <b>1997-Tsud</b><br>2365  |
| <b>1999</b>      | Apel, P. Spohr, R. Trautmann, C. Vutsadakis, V.<br>'Track Structure in Polyethylene Terephthalate Irradiated by Heavy Ion: LET Dependence of Track Diameter'<br><i>Rad. Meas., 31, 51-56 (1999)</i><br><i>Comment : S. He (1 - 3 MeV) -&gt; Mylar, Makrofol, Kapton</i>                  | <b>1999-Apel</b><br>2374  |
| <b>2000</b>      | Sharma, A. Kumar, S. Sharma, S. K. Diwan, P. K. Nath, N.<br>'Stopping Power of Mylar for Heavy Ions up to Copper'<br><i>Nucl. Inst. Methods, B170, 323-328 (2000)</i><br><i>Comment : S. Na, Al, Cl, Sc, Ti, V, Cr, Mn, Ni, Cu (0.3 - 2.3 MeV/u) -&gt; Mylar</i>                         | <b>2000-Shar</b><br>2341  |
| <b>2001</b>      | Alanko, T. Hyvonen, J. Kyllonen, V. Laitinen, P. Matilainen, A.<br>'Polycarbonate, Mylar and Havar Stopping Powers for 1.0 - 3.25 MeV/u 40-Ar Ions'<br><i>J. Phys.- Cond. Matter, 13, 10777-10784 (2001)</i><br><i>Comment : S. Ar (1.0-3.25 MeV/u) -&gt; Poycarbonate, Mylar, Havar</i> | <b>2001-Alan</b><br>2409  |

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|------------------|---|--------------------------|
| <b>2001</b>      | Diwan, P. K. Sharma, A. Kumar, S.<br>'Stopping Power for Heavy Ions ( $2 < Z < 36$ ) in Solids at Energies about 0.5-2.5 MeV/u'<br><i>Nucl. Inst. Methods, B174, 267-273 (2001)</i><br><i>Comment : S. Li, B, N, F, Na, Mg (0.5 - 2.5 MeV/u) -&gt; Pd, Gd, Lu, Ta, Au, Ni, Cr39, CR-39, Mylar, Kapton, LR-115, Havar, Polycarbonate</i> | <b>2001-Diwa</b><br>2343 |