

Program Complot  
(Version 2021-1)

by

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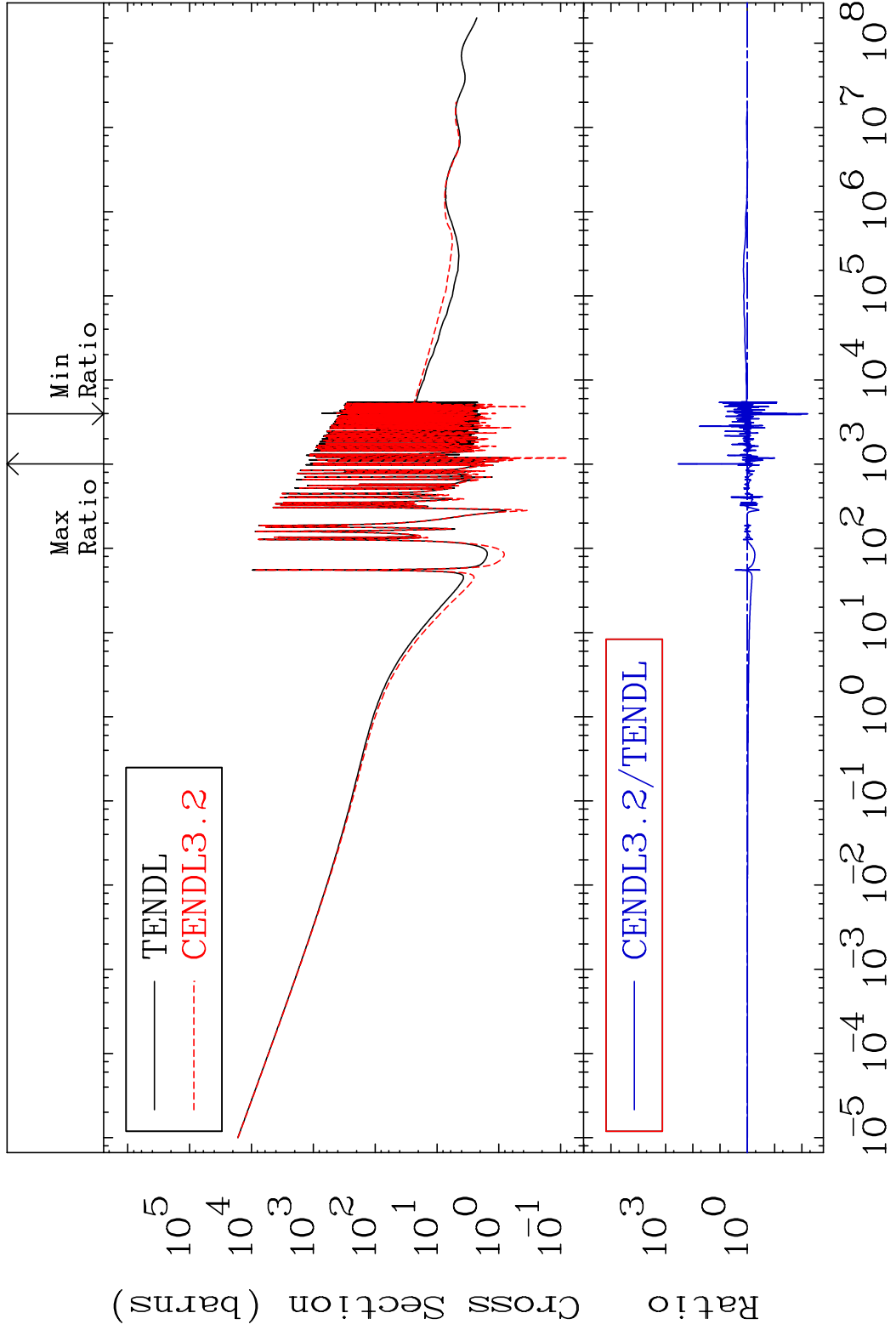
U.S.A.

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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

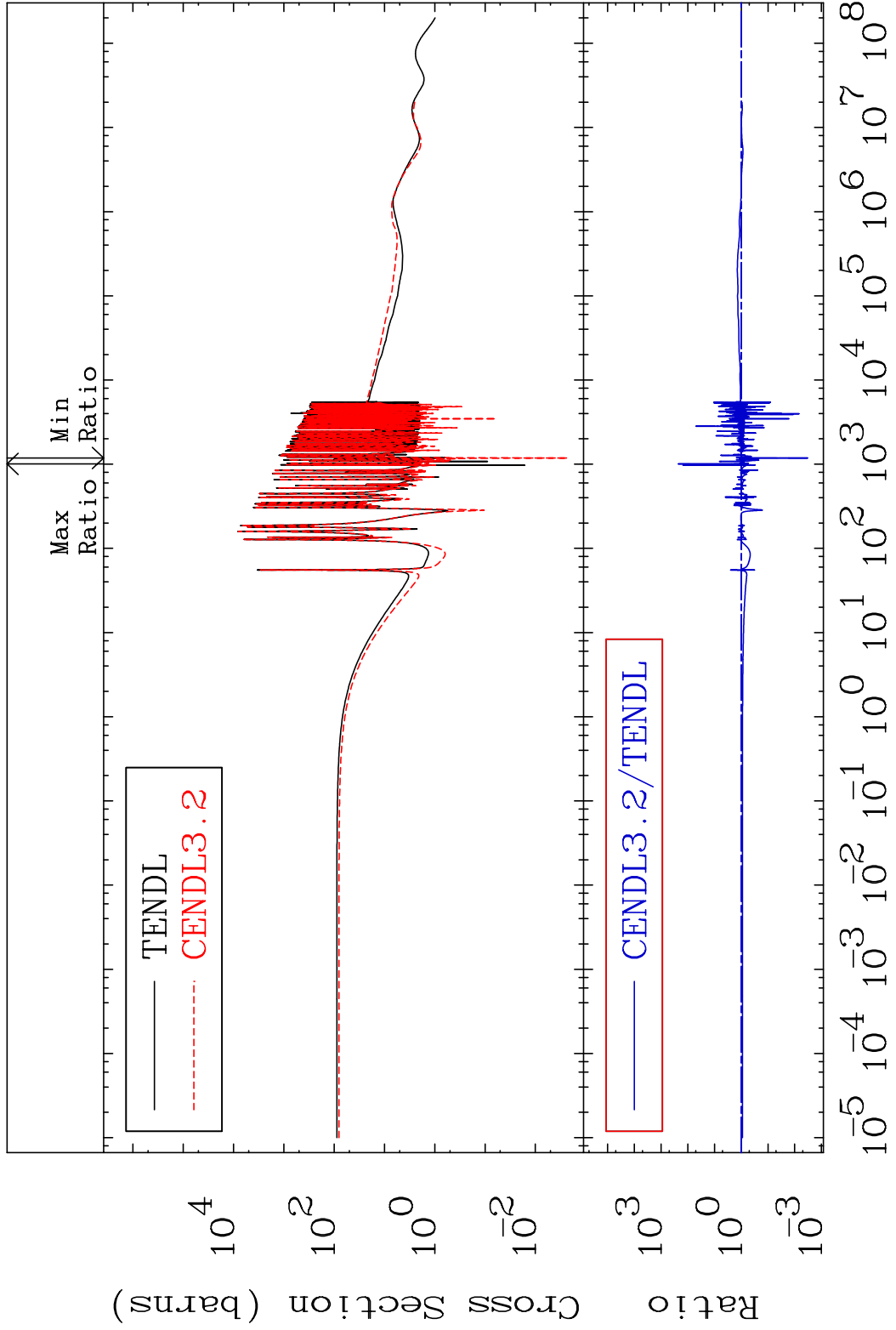
Press Mouse Button to Start

MAT 6028                      Total                      60-Nd-143  
 Cross Section                      -99.39 To 9999. %



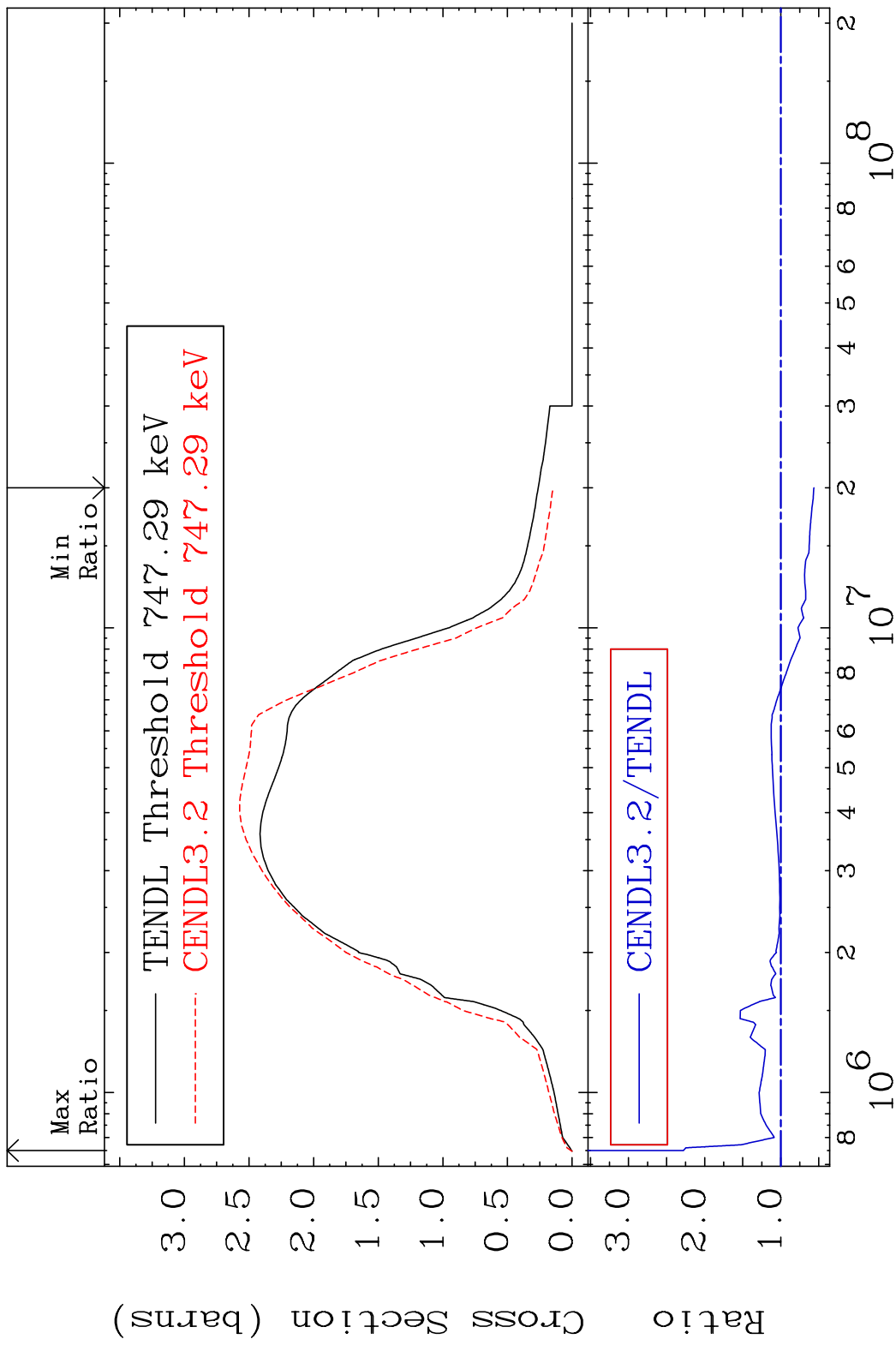
1                      Incident Energy (eV)                      60-Nd-143

MAT 6028 Elastic Cross Section -99.67 To 9999. % 60-Nd-143



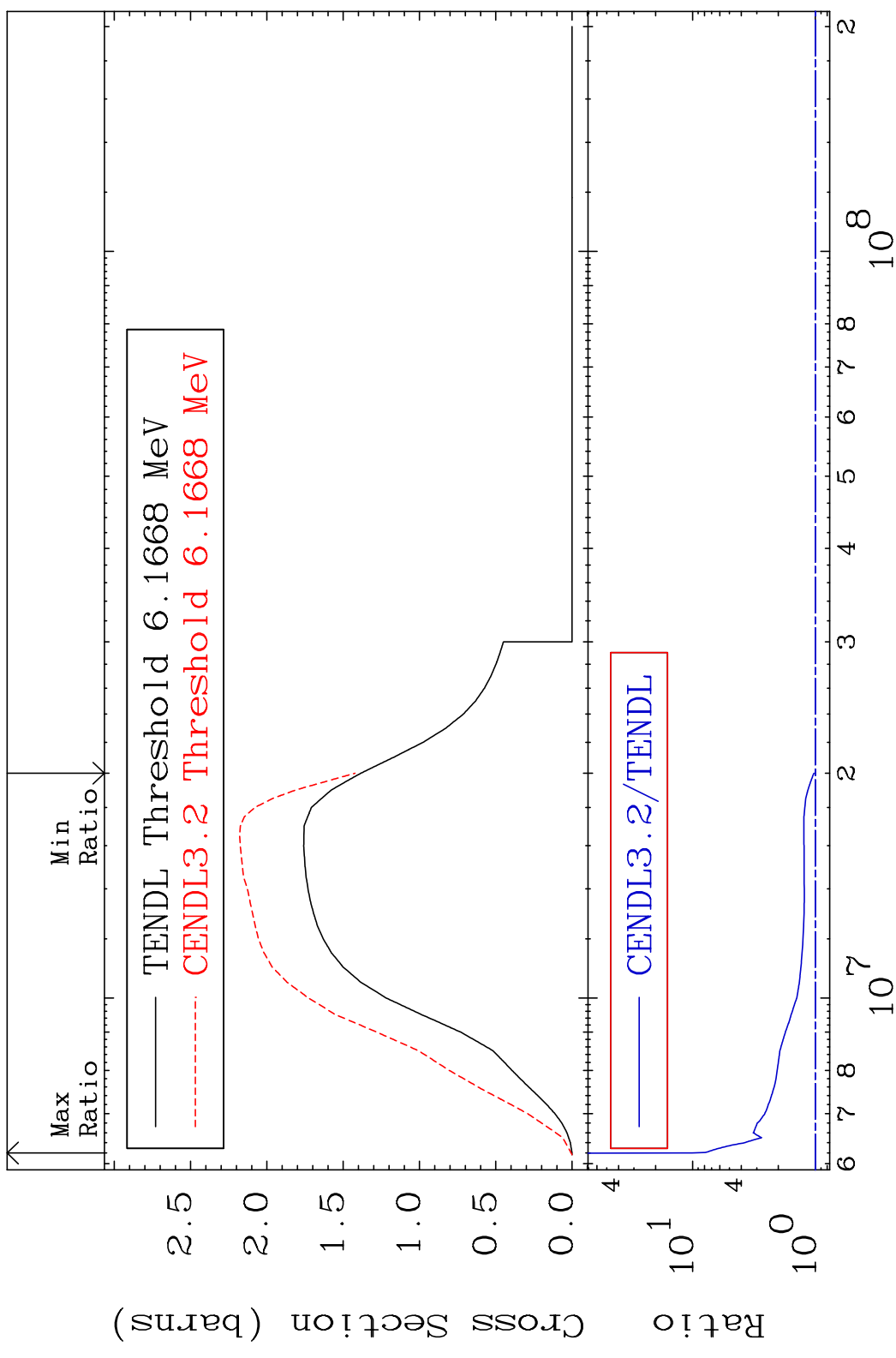
2 Incident Energy (eV) 60-Nd-143

MAT 6028 Inelastic 60-Nd-143  
Cross Section -43.49 To 127.8 %



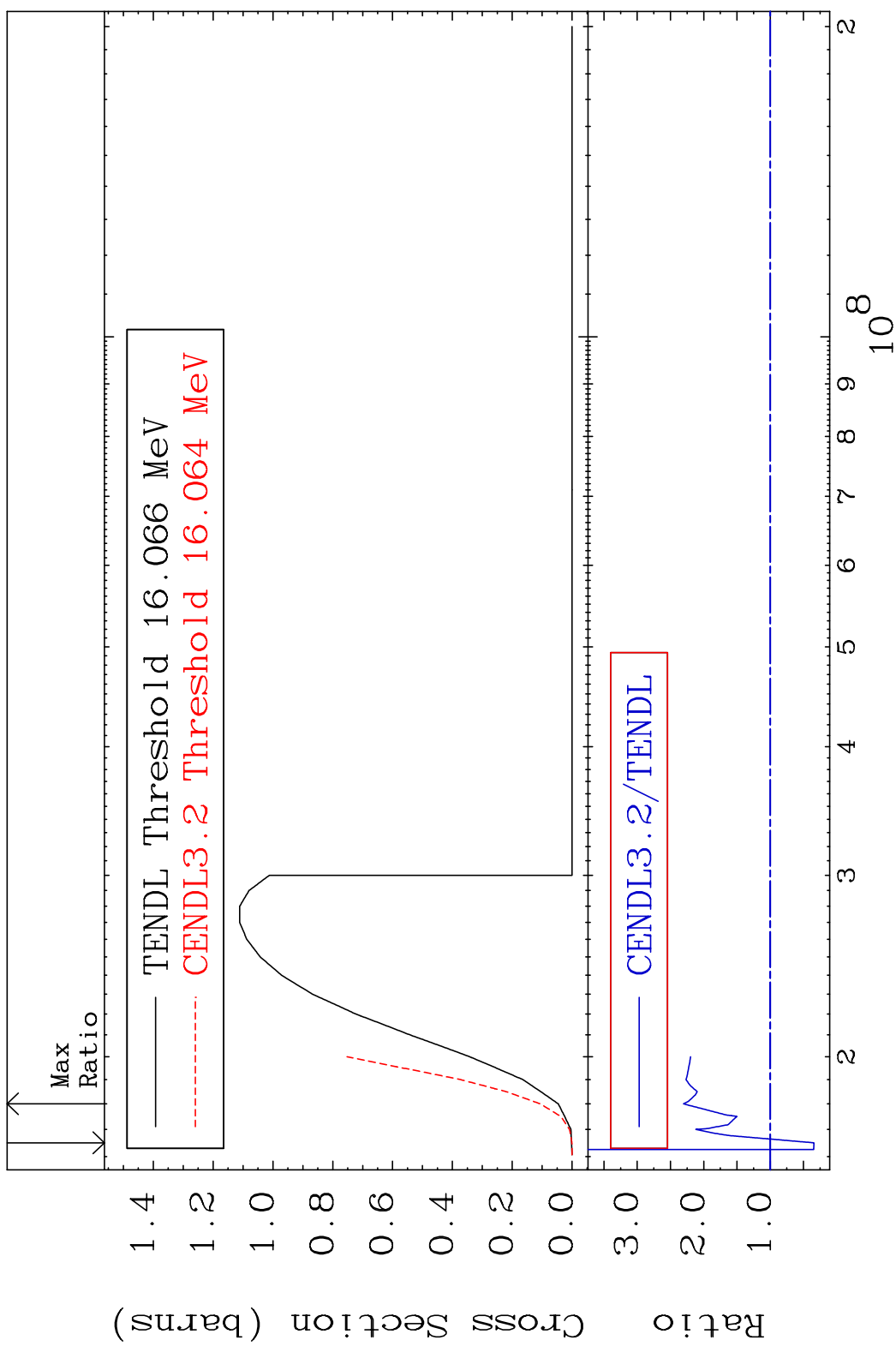
3 Incident Energy (eV) 60-Nd-143

MAT 6028 (n,2n) 60-Nd-143  
 Cross Section 2.731 To 1085. %



4 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 60-Nd-143

MAT 6028 (n,3n) 60-Nd-143  
 Cross Section -65.64 To 130.5 %

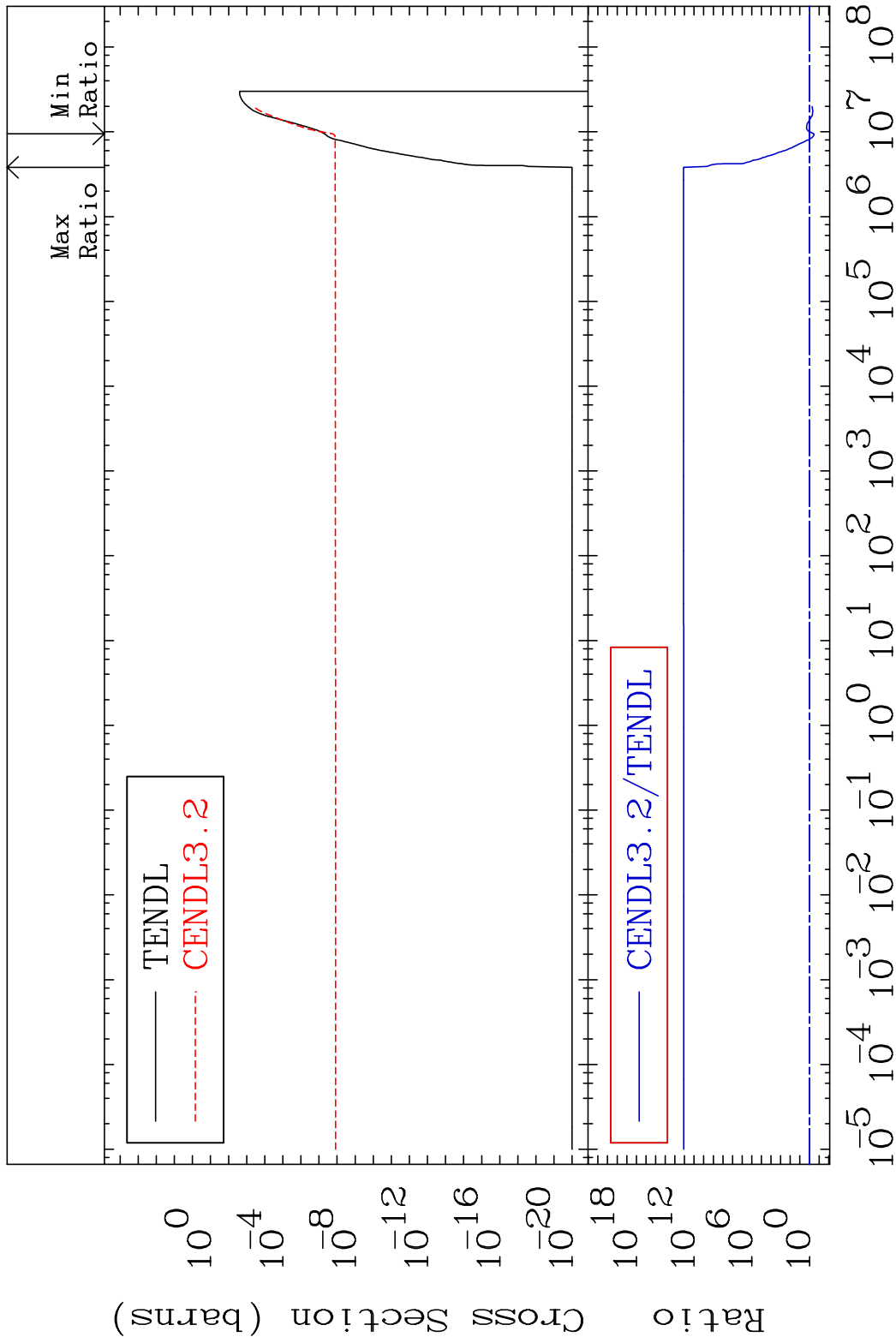


MAT 6028

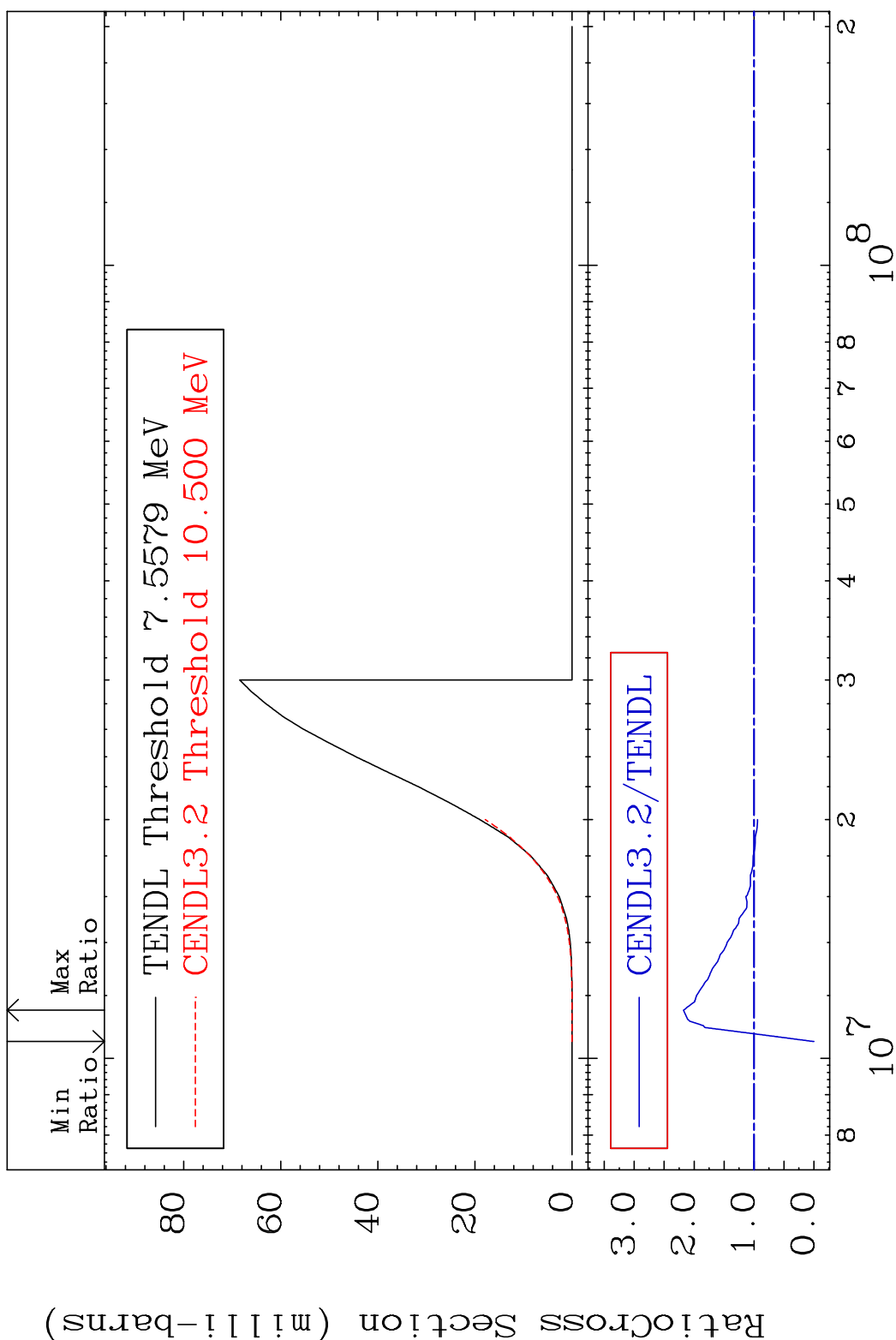
(n, n')  $\alpha$

60-Nd-143

Cross Section -65.13 To 9999. %



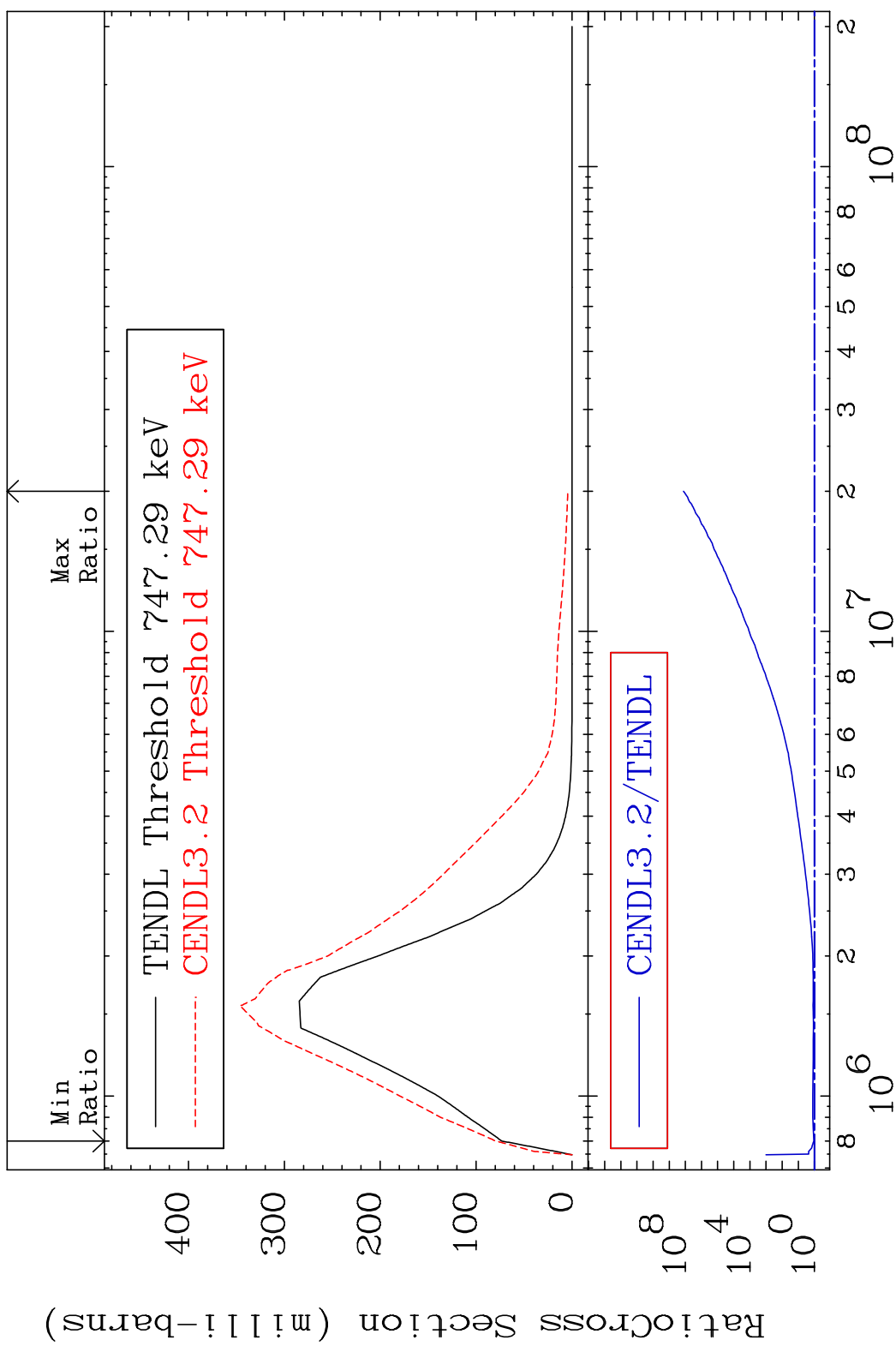
MAT 6028 (n, n') p 60-Nd-143  
 Cross Section -100.0 To 117.8 %



7 60-Nd-143

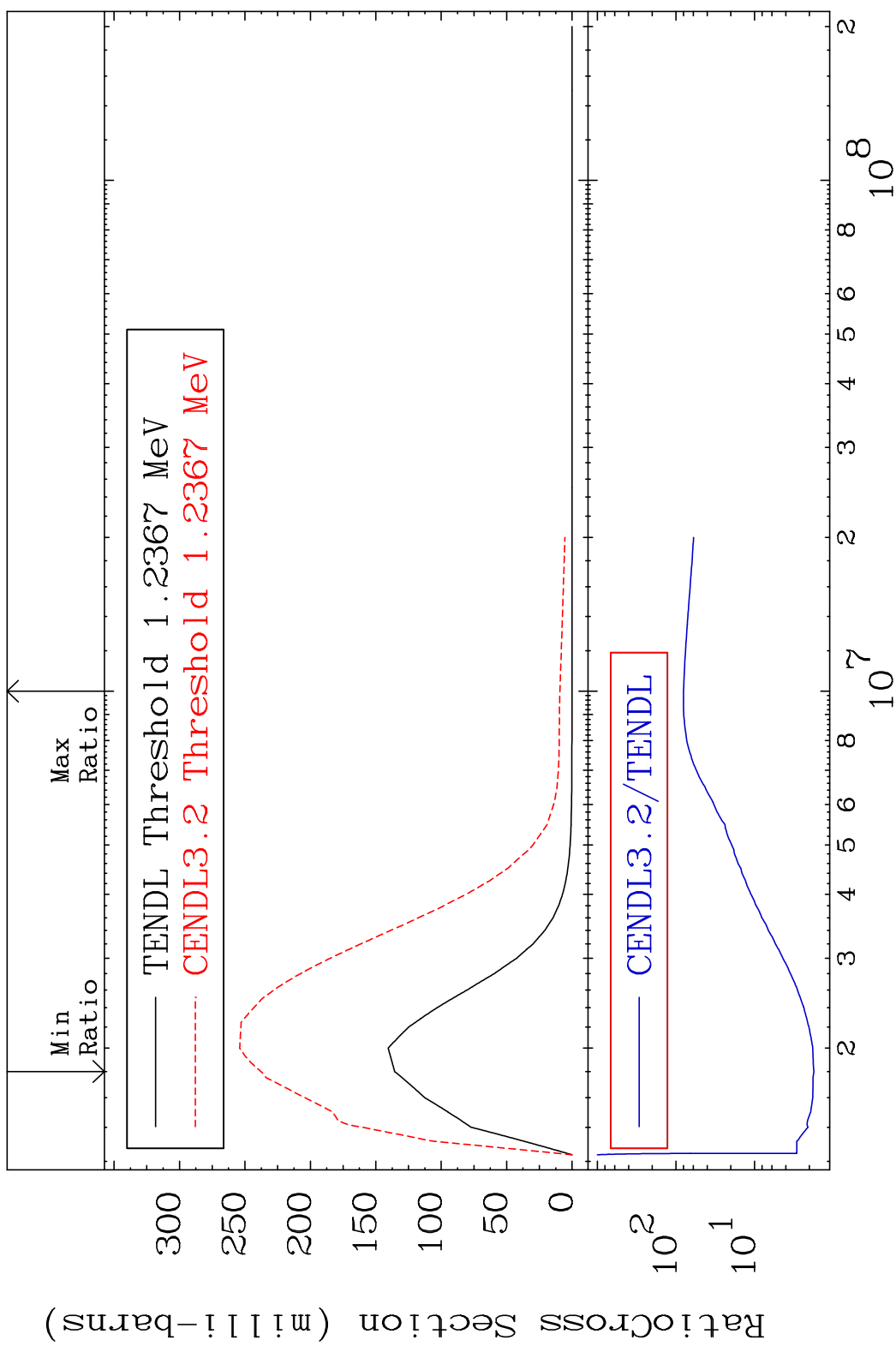


MAT 6028 MT= 51 (n, n') Level 60-Nd-143  
 Cross Section 8.512 To 9999. %

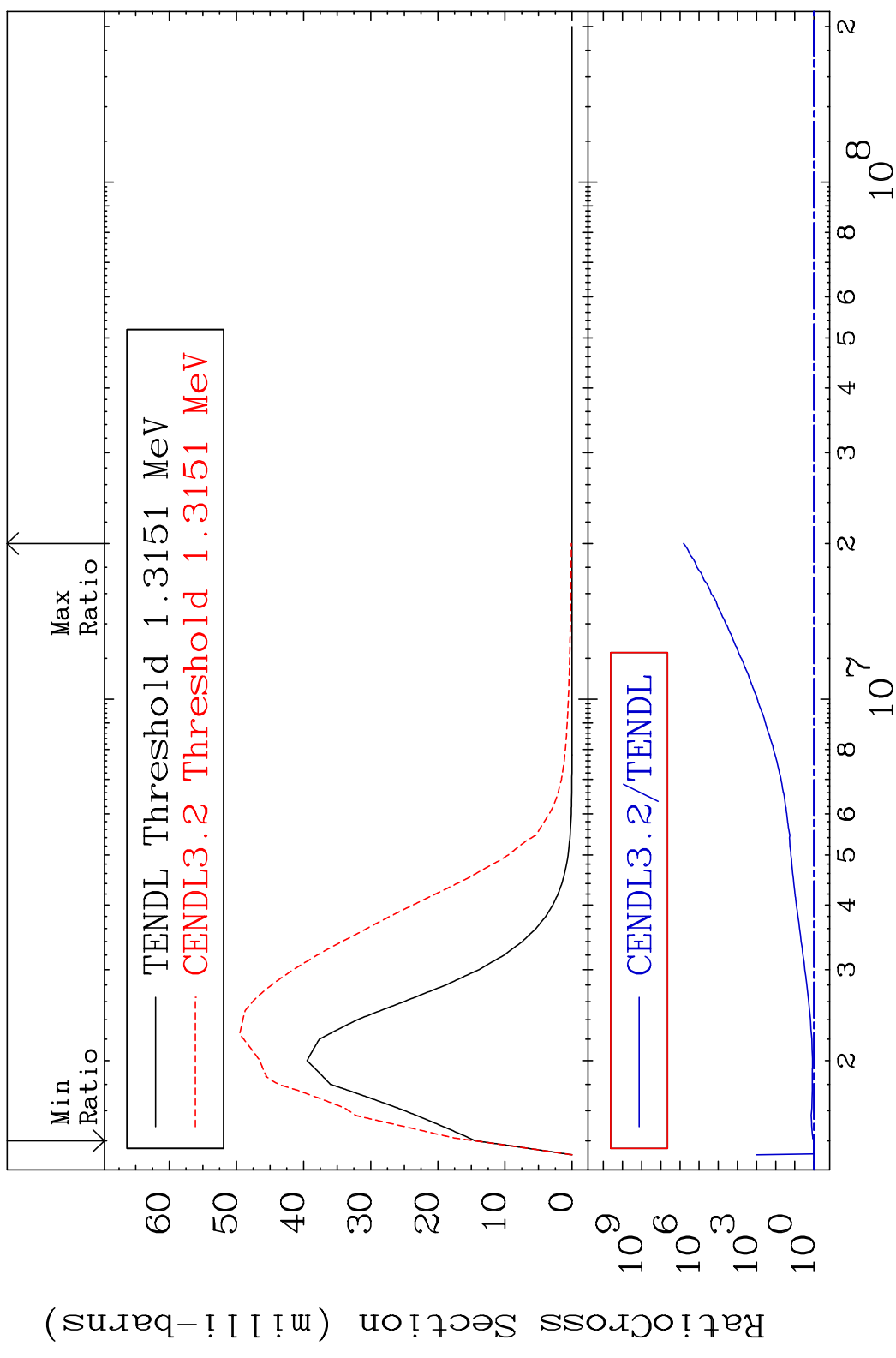


8 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 52 (n, n') Level 60-Nd-143  
 Cross Section 75.33 To 7916. %

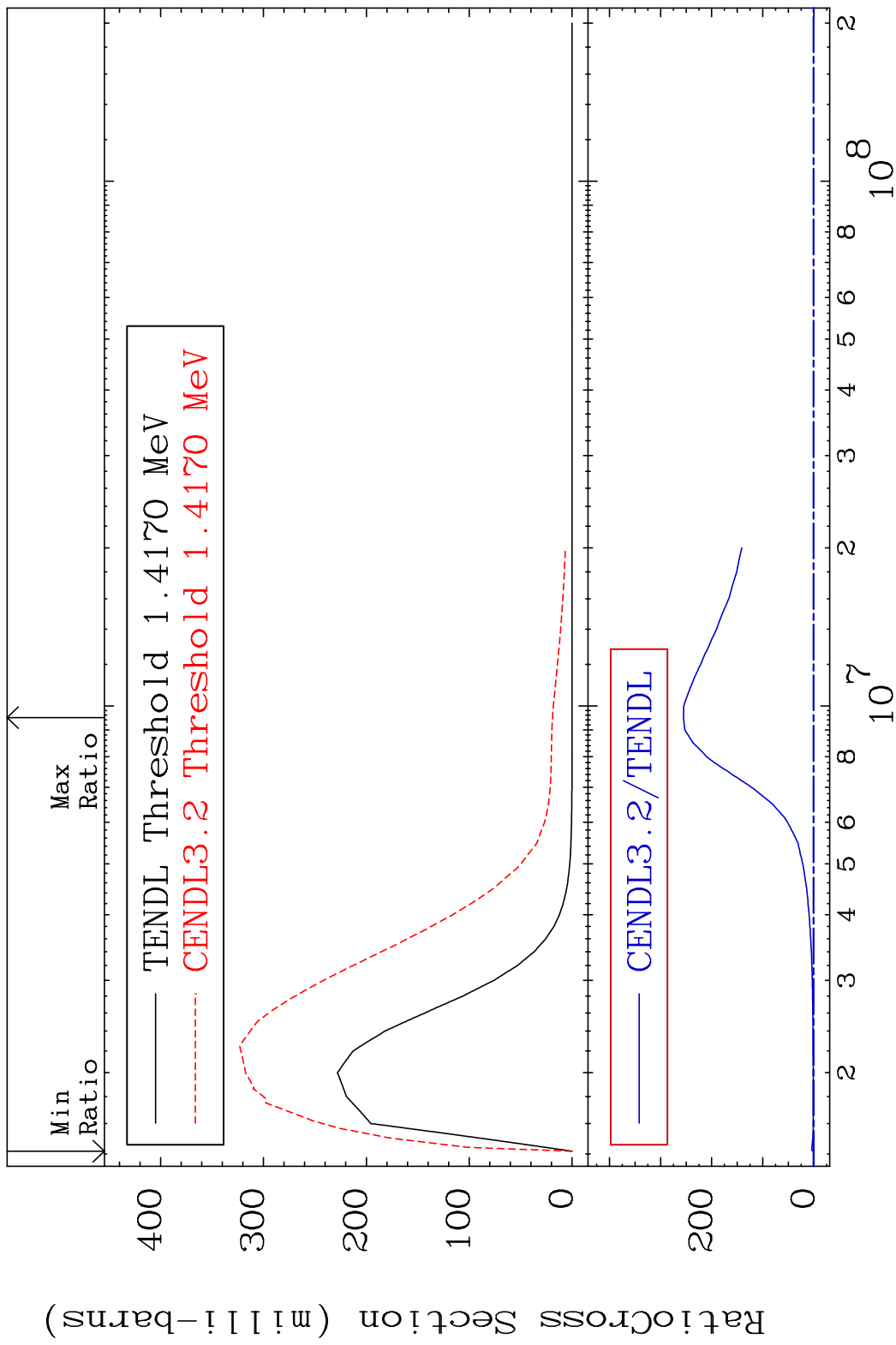


MAT 6028 MT= 53 (n, n') Level 60-Nd-143  
 Cross Section 1.155 To 9999. %



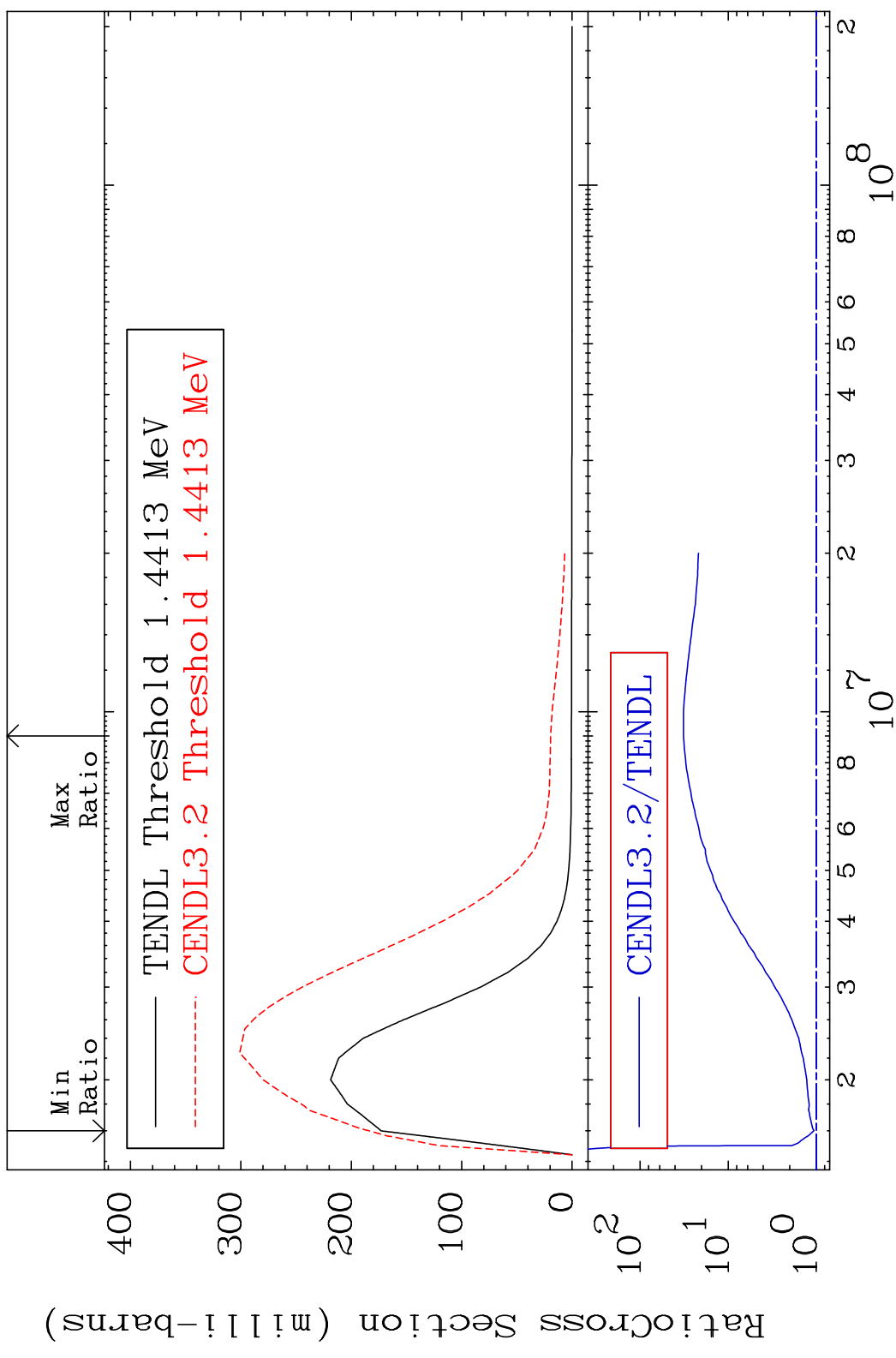
10 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 54 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



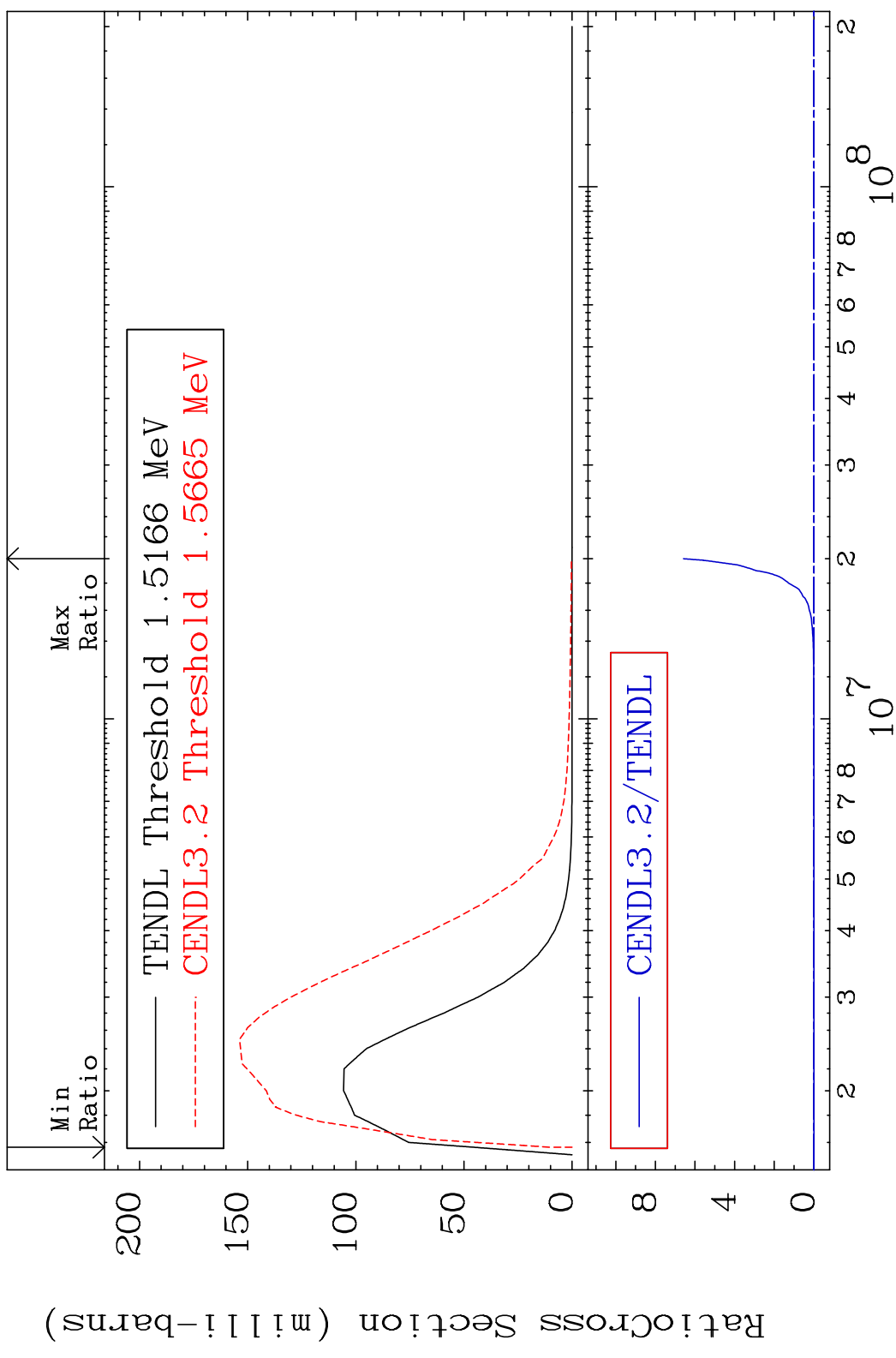
11 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 55 (n, n') Level 60-Nd-143  
 Cross Section 6.291 To 3118. %



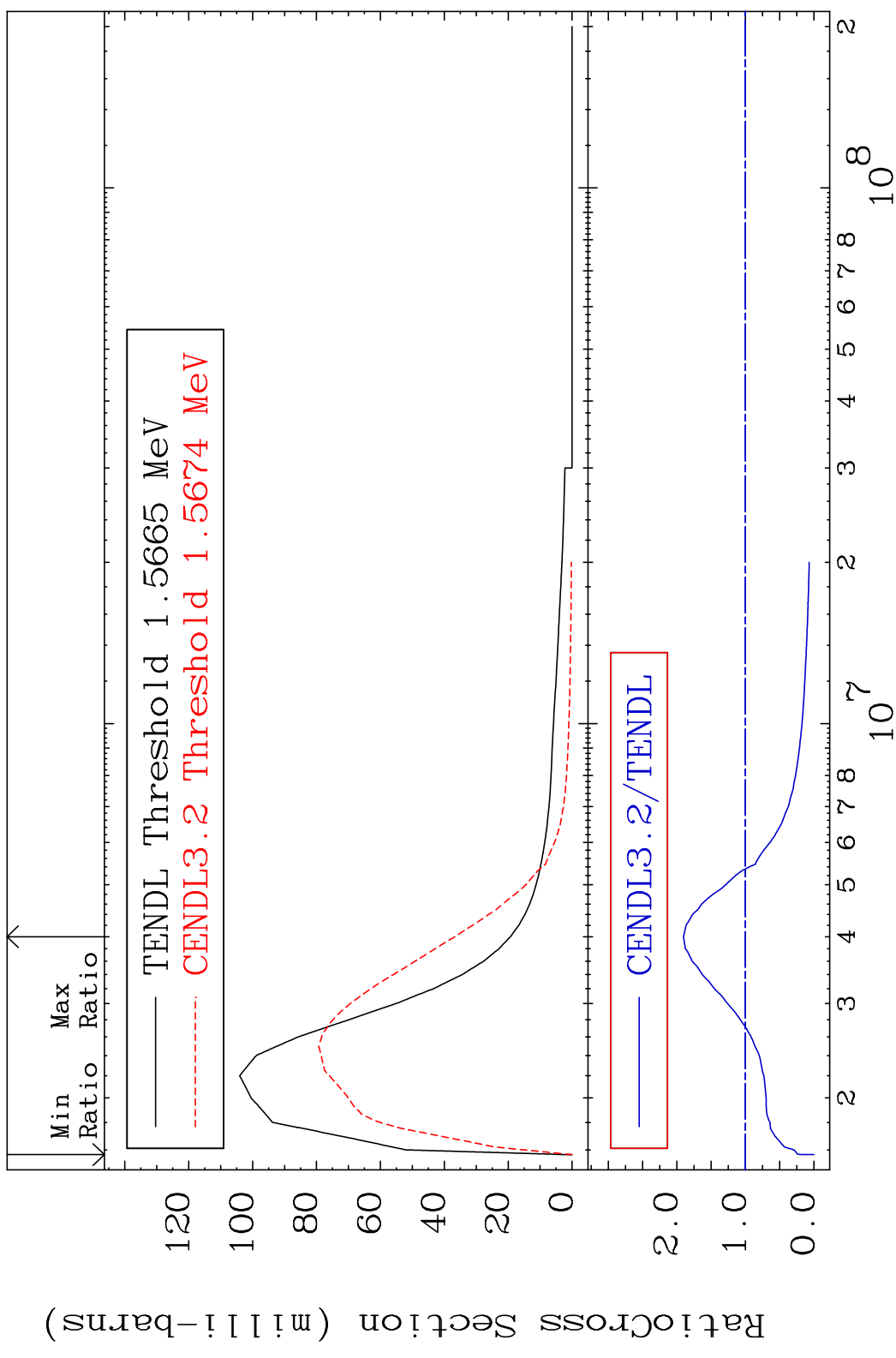
12 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 56 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



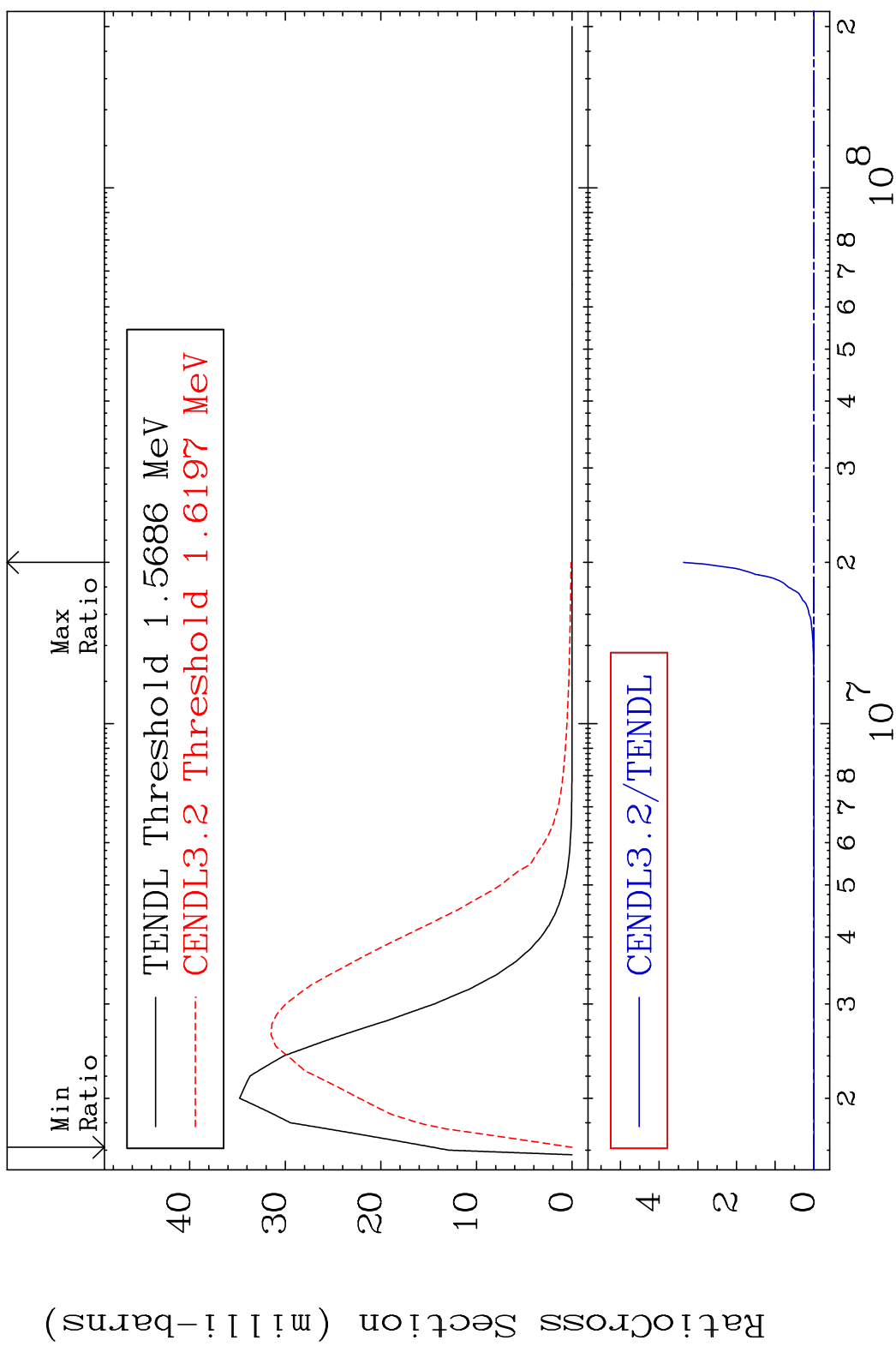
13 60-Nd-143

MAT 6028 MT= 57 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 90.28 %



14 Incident Energy (eV) 60-Nd-143

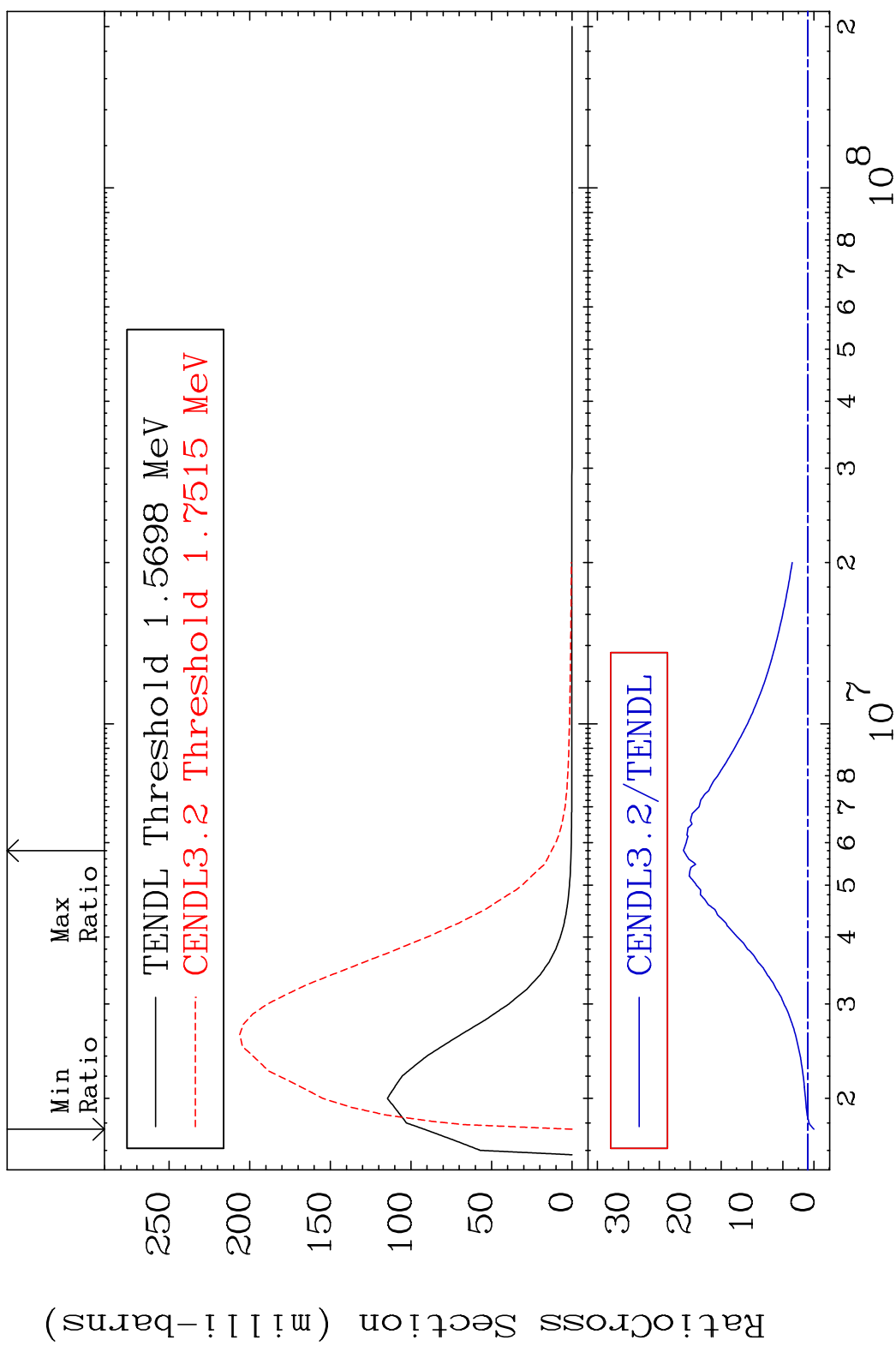
MAT 6028 MT= 58 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



15 Incident Energy (eV) 60-Nd-143

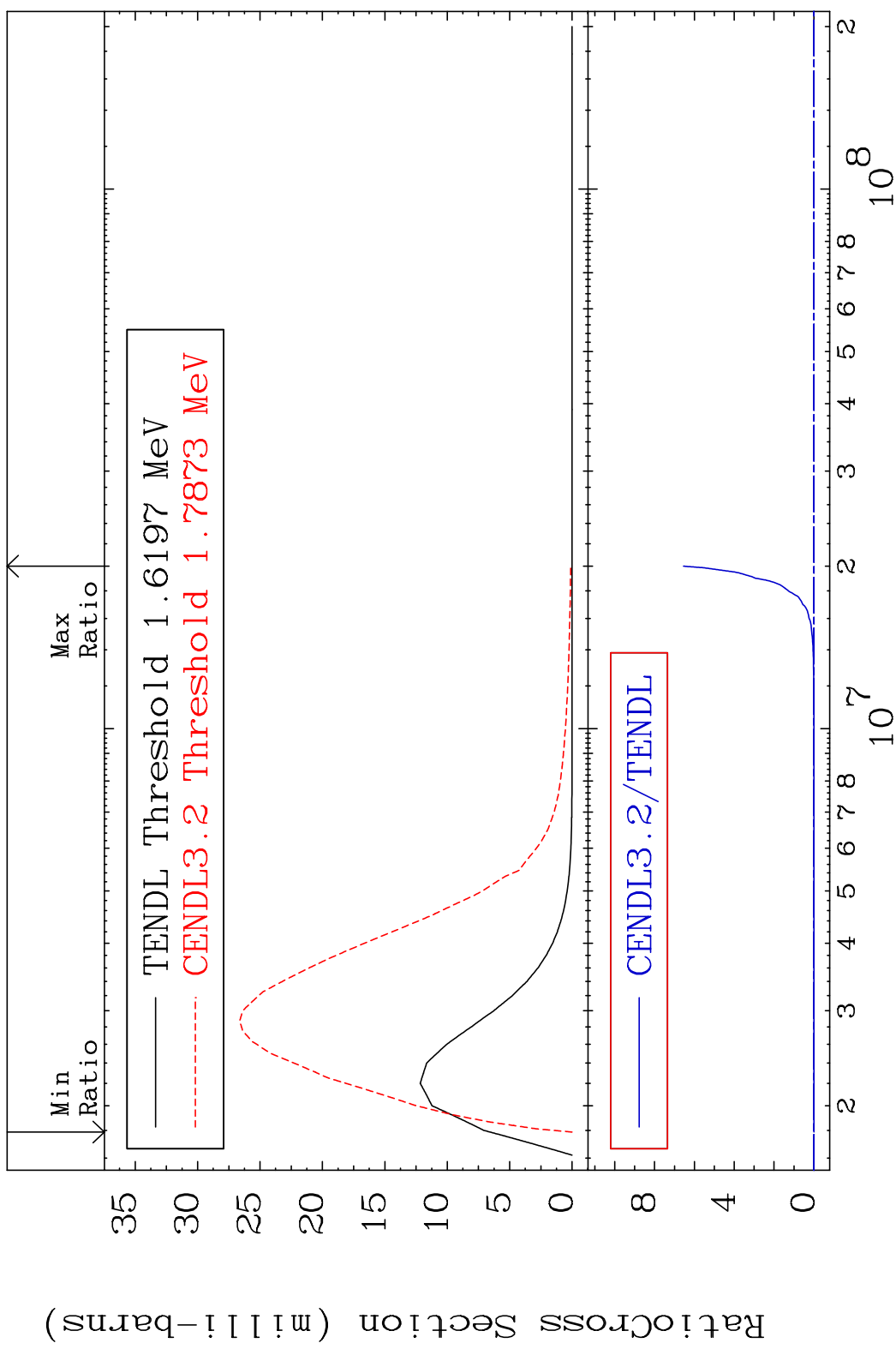


MAT 6028 MT= 59 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 2009. %



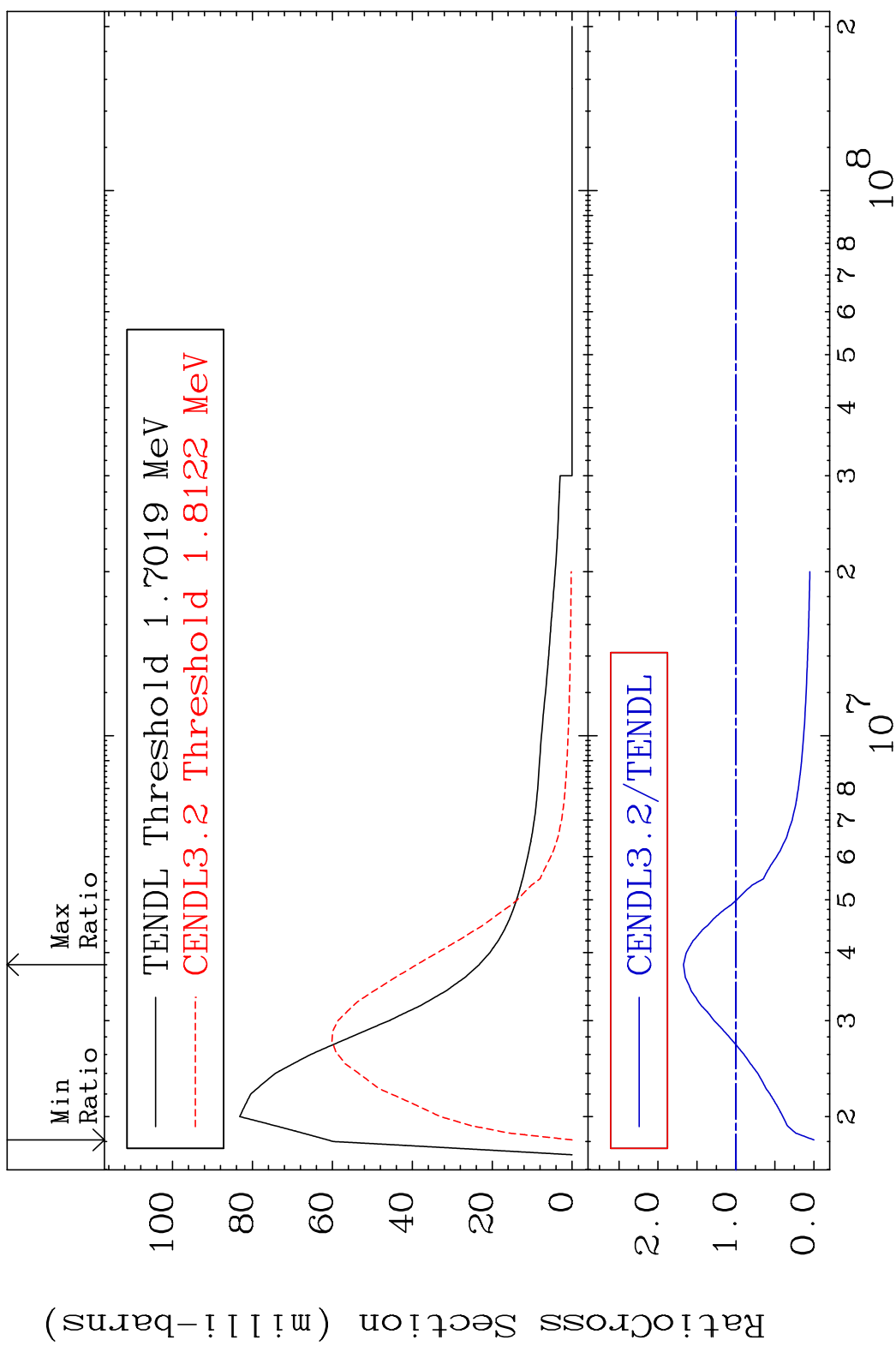
16 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 60 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



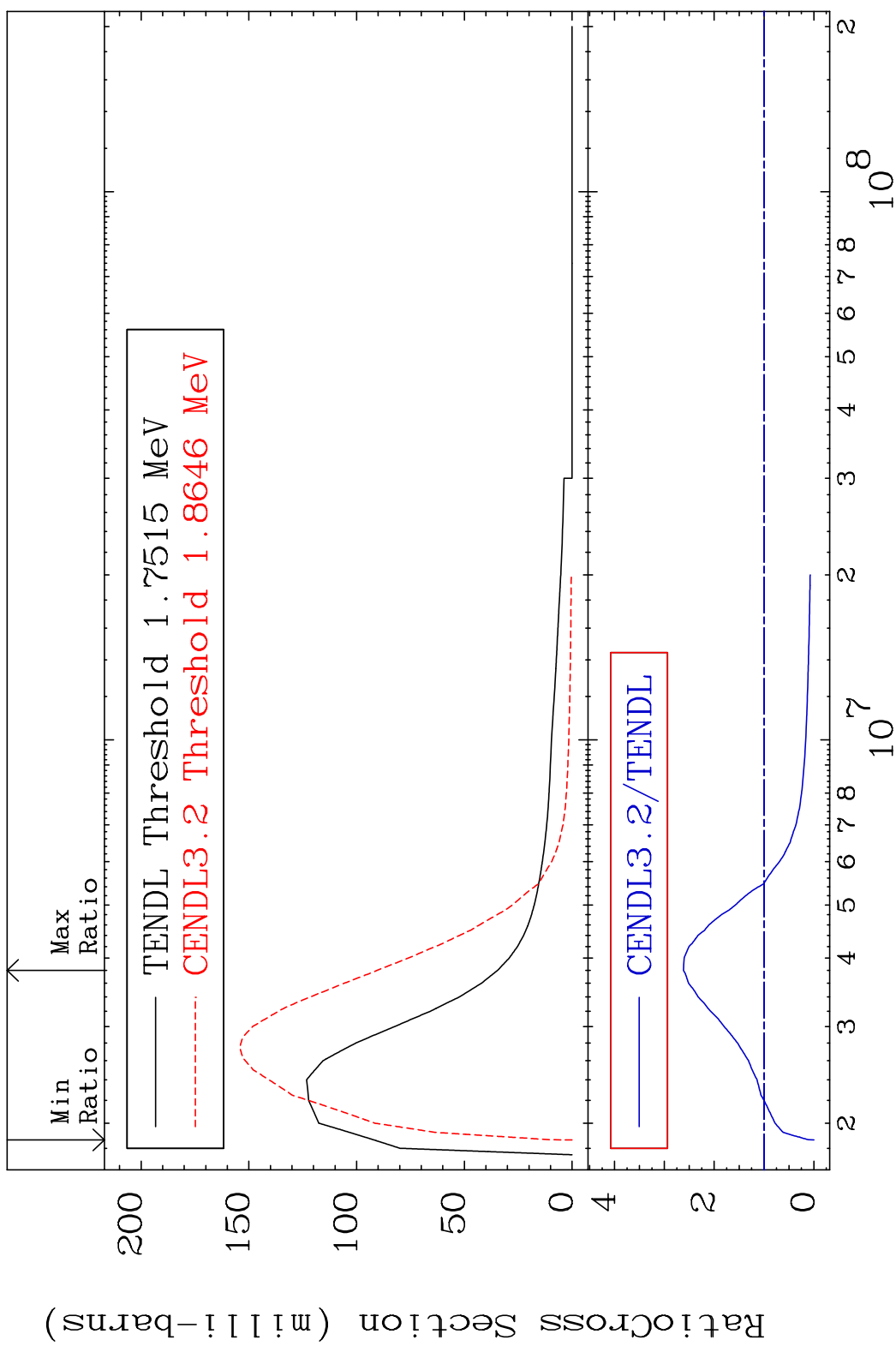
17 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 61 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 67.30 %



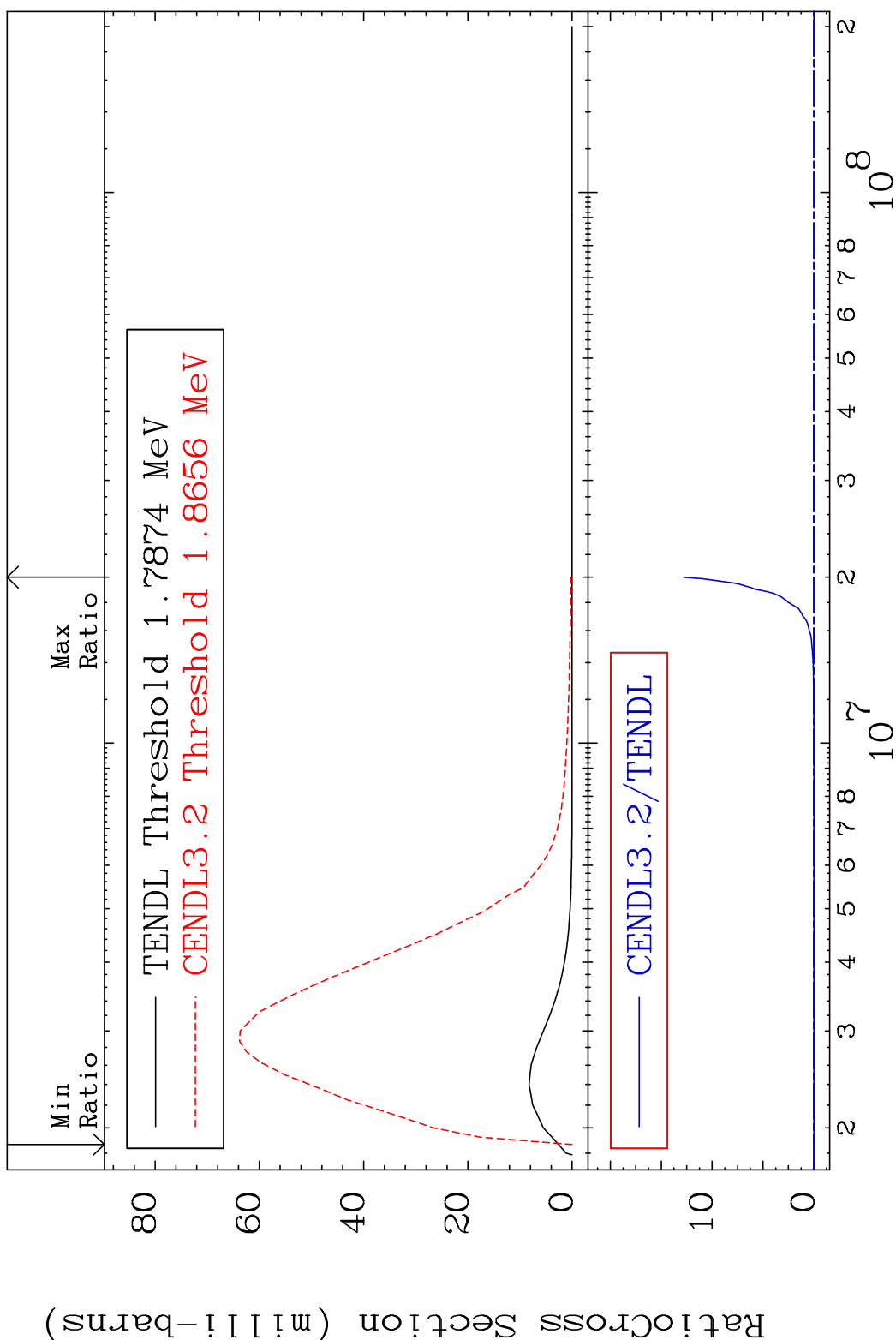
18 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 62 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 161.7 %



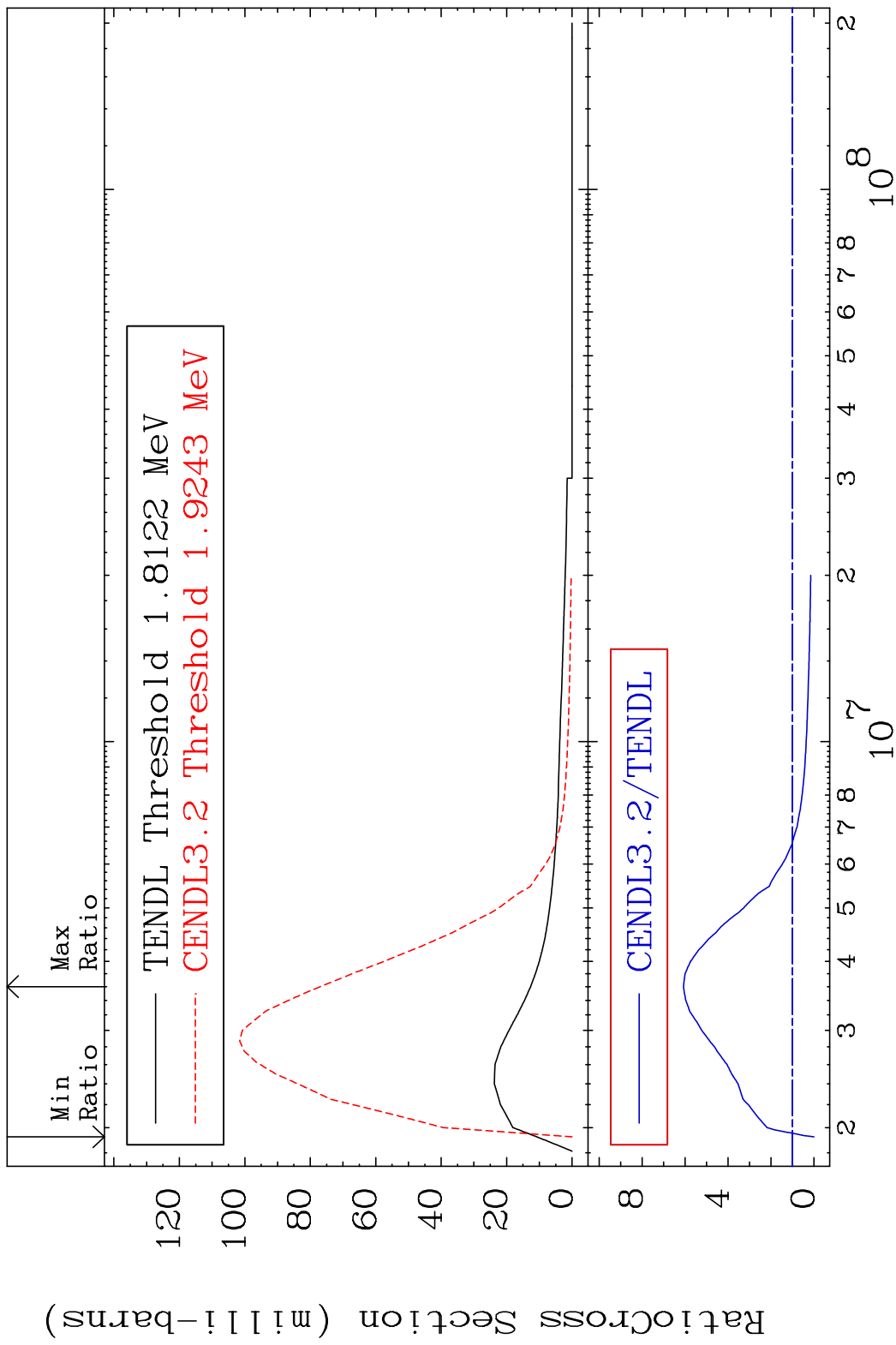
19 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 63 (n, n') Level 60-Nd-143  
Cross Section -100.0 To 9999. %



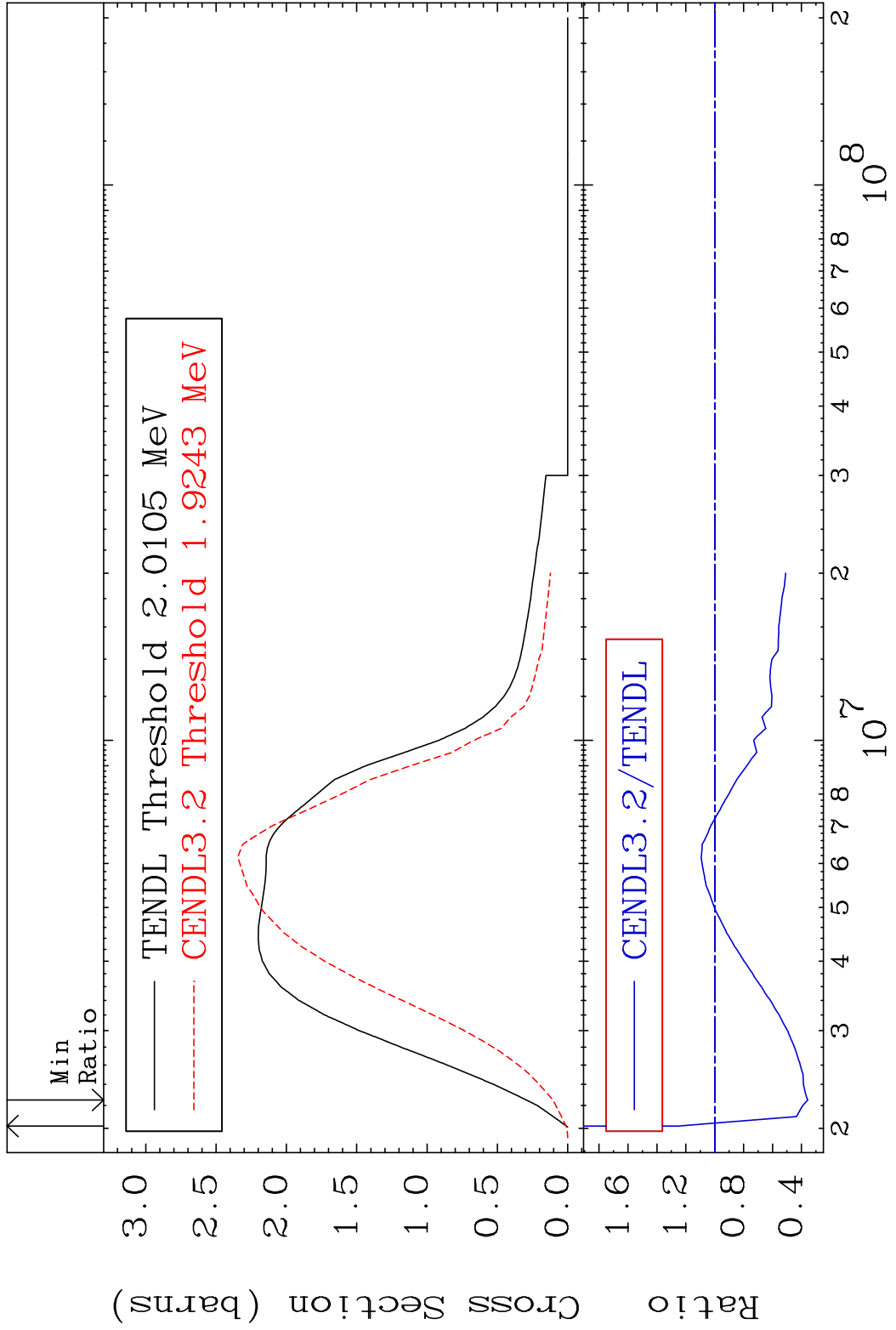
20 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 64 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 507.2 %



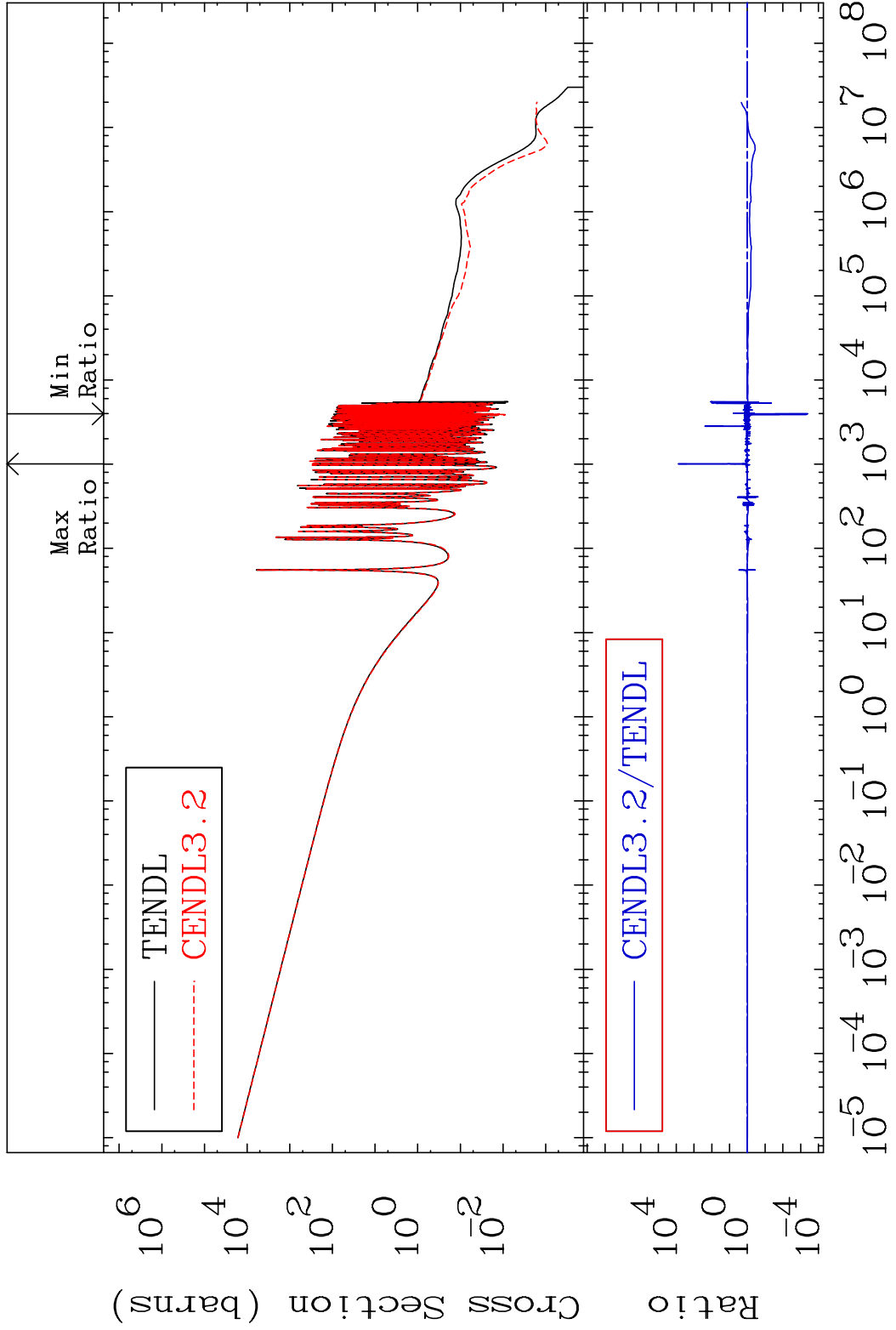
21 Incident Energy (eV) 60-Nd-143

MAT 6028 (n, n') Continuum 60-Nd-143  
 Cross Section -64.32 To 25.21 %



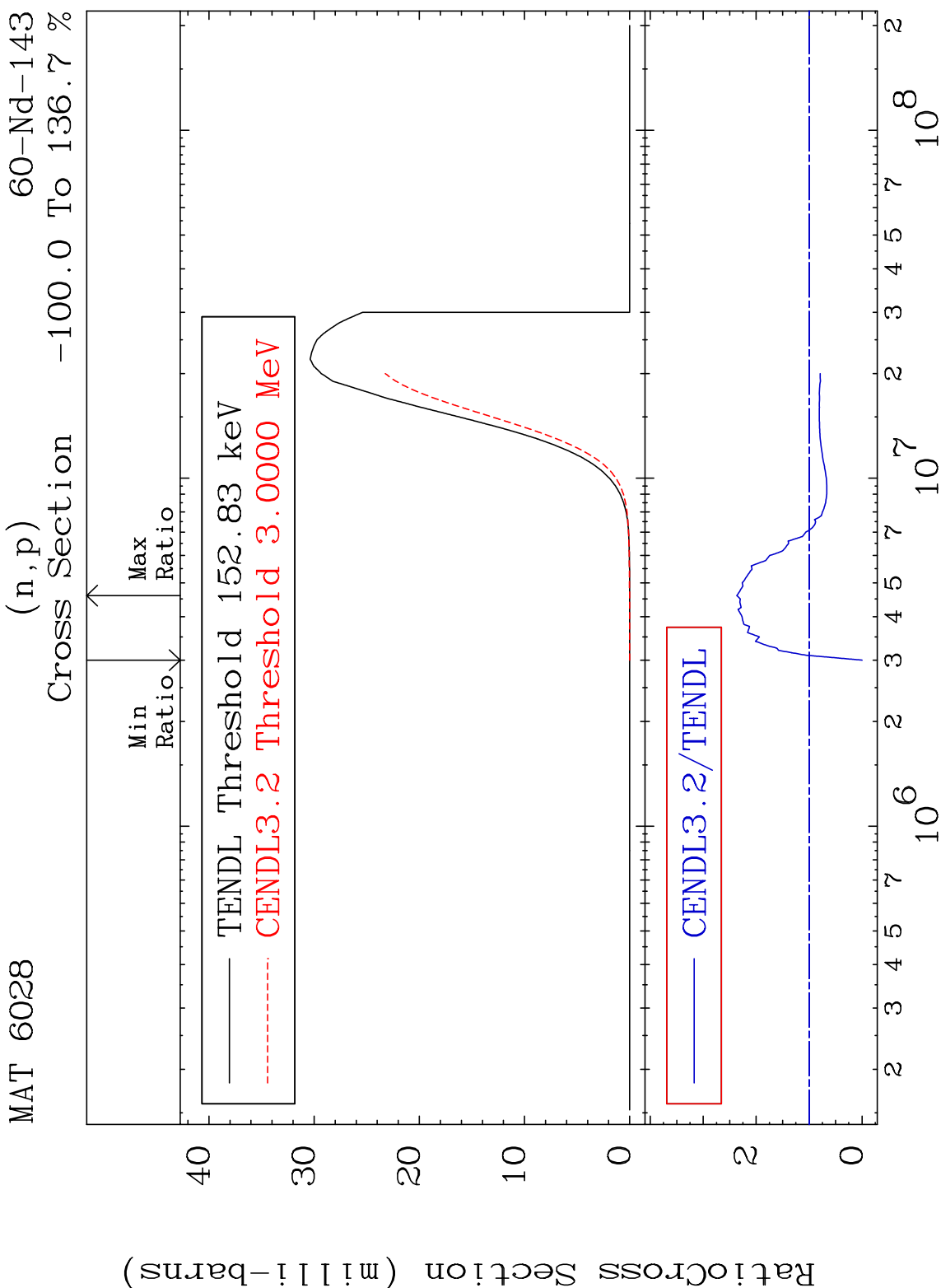
22 Incident Energy (eV) 60-Nd-143

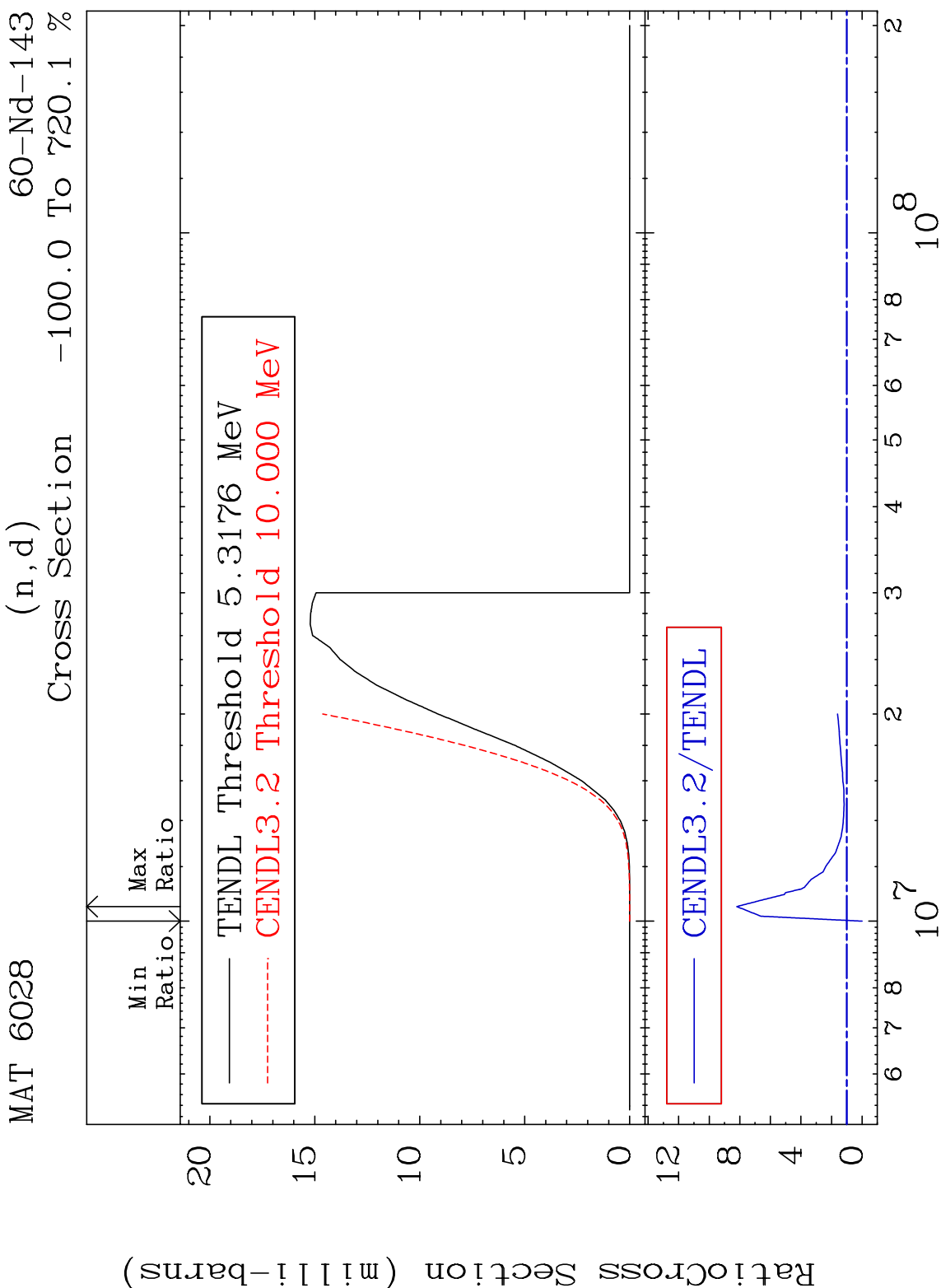
MAT 6028 (n,  $\gamma$ ) 60-Nd-143  
 Cross Section -99.96 To 9999. %



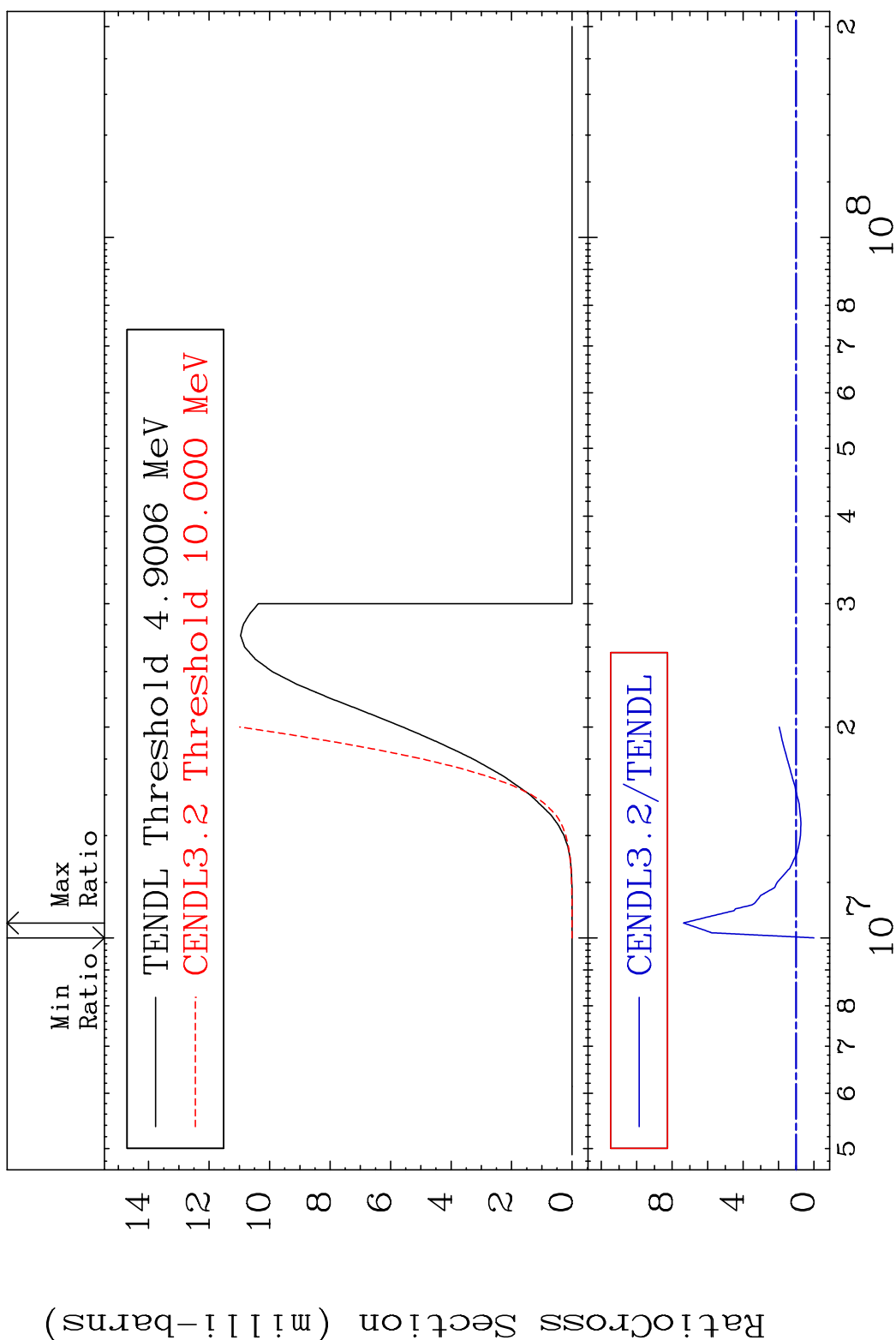
23 Incident Energy (eV) 60-Nd-143





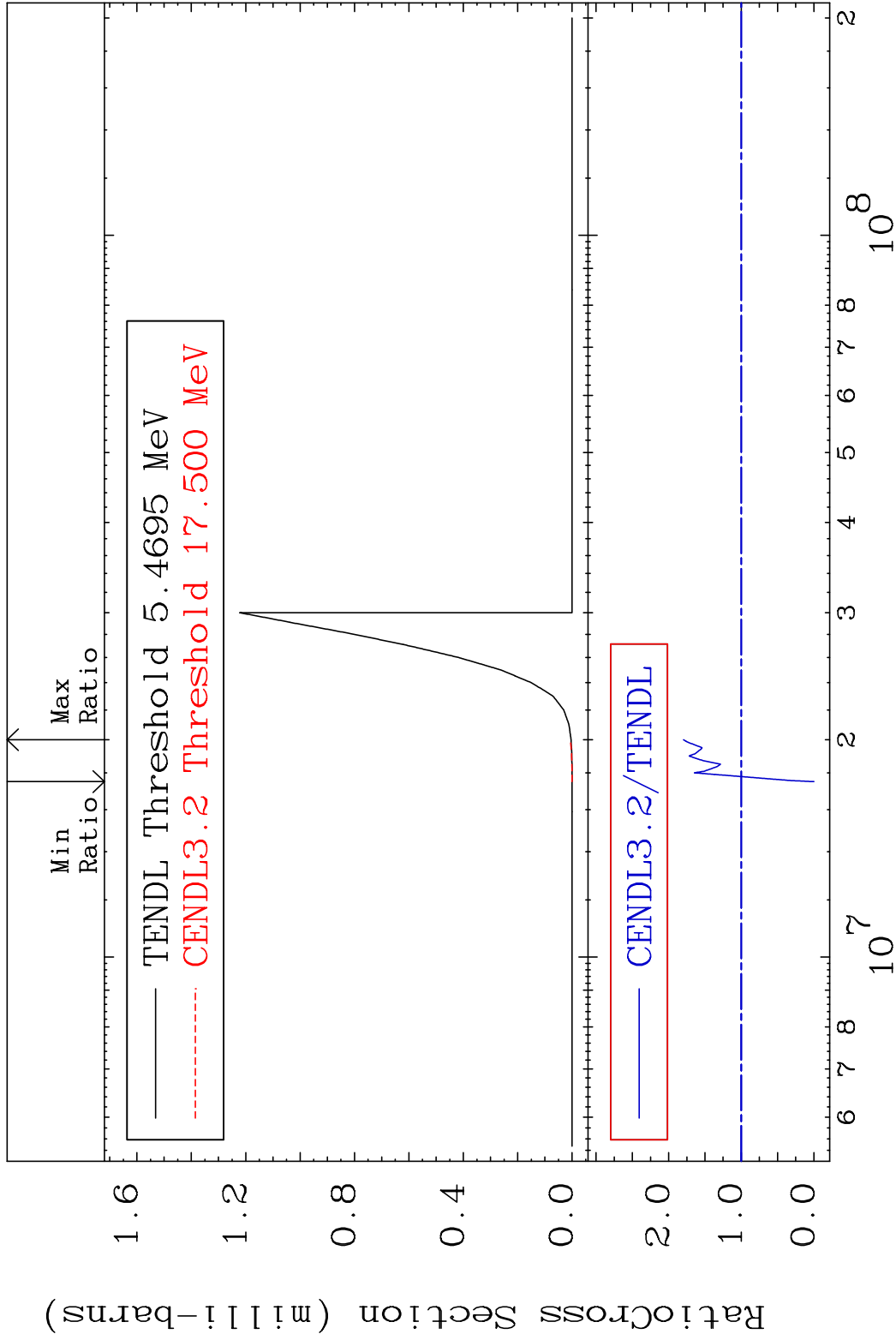


MAT 6028 (n, t) 60-Nd-143  
 Cross Section -100.0 To 636.3 %

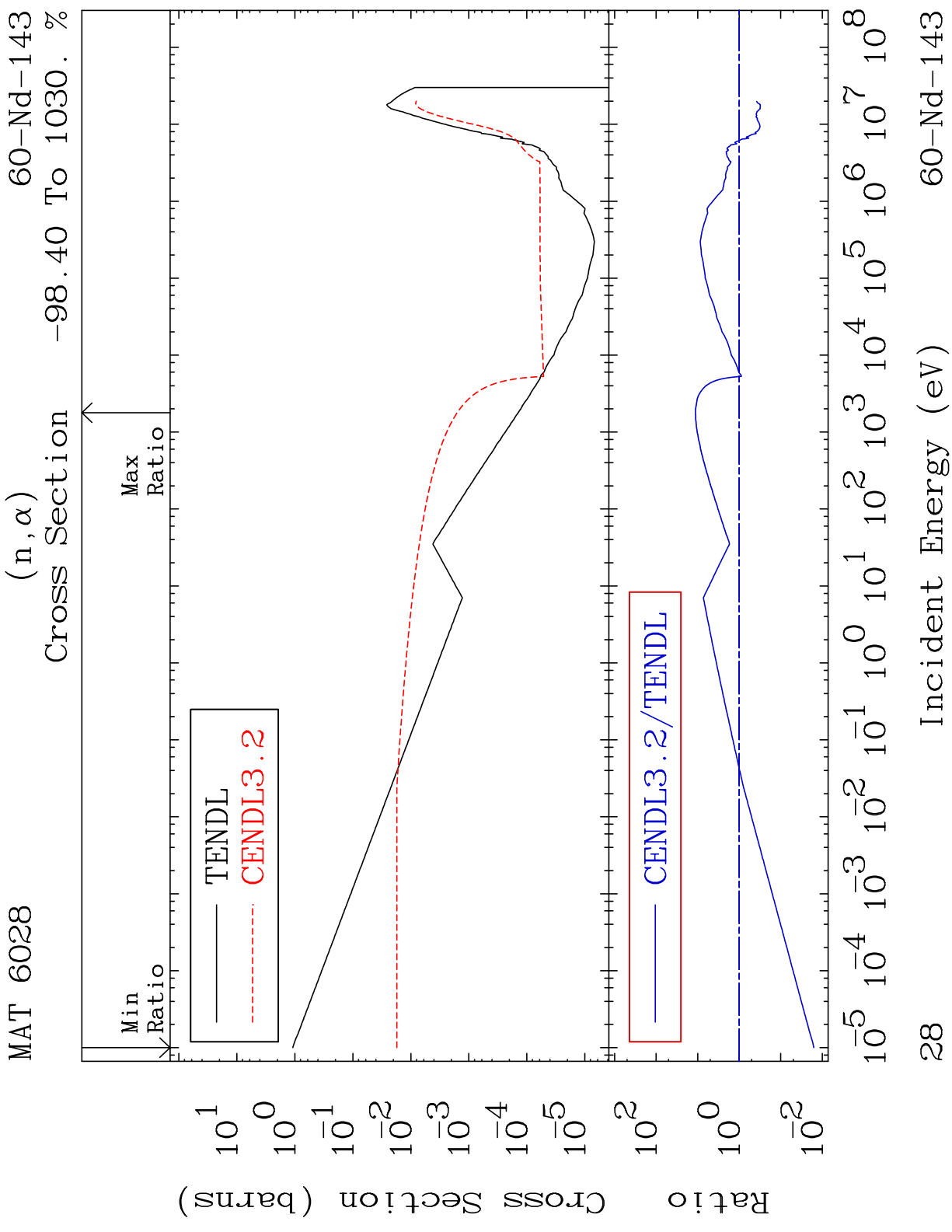


26 Incident Energy (eV) 60-Nd-143

MAT 6028 (n, He-3) 60-Nd-143  
 Cross Section -100.0 To 79.61 %

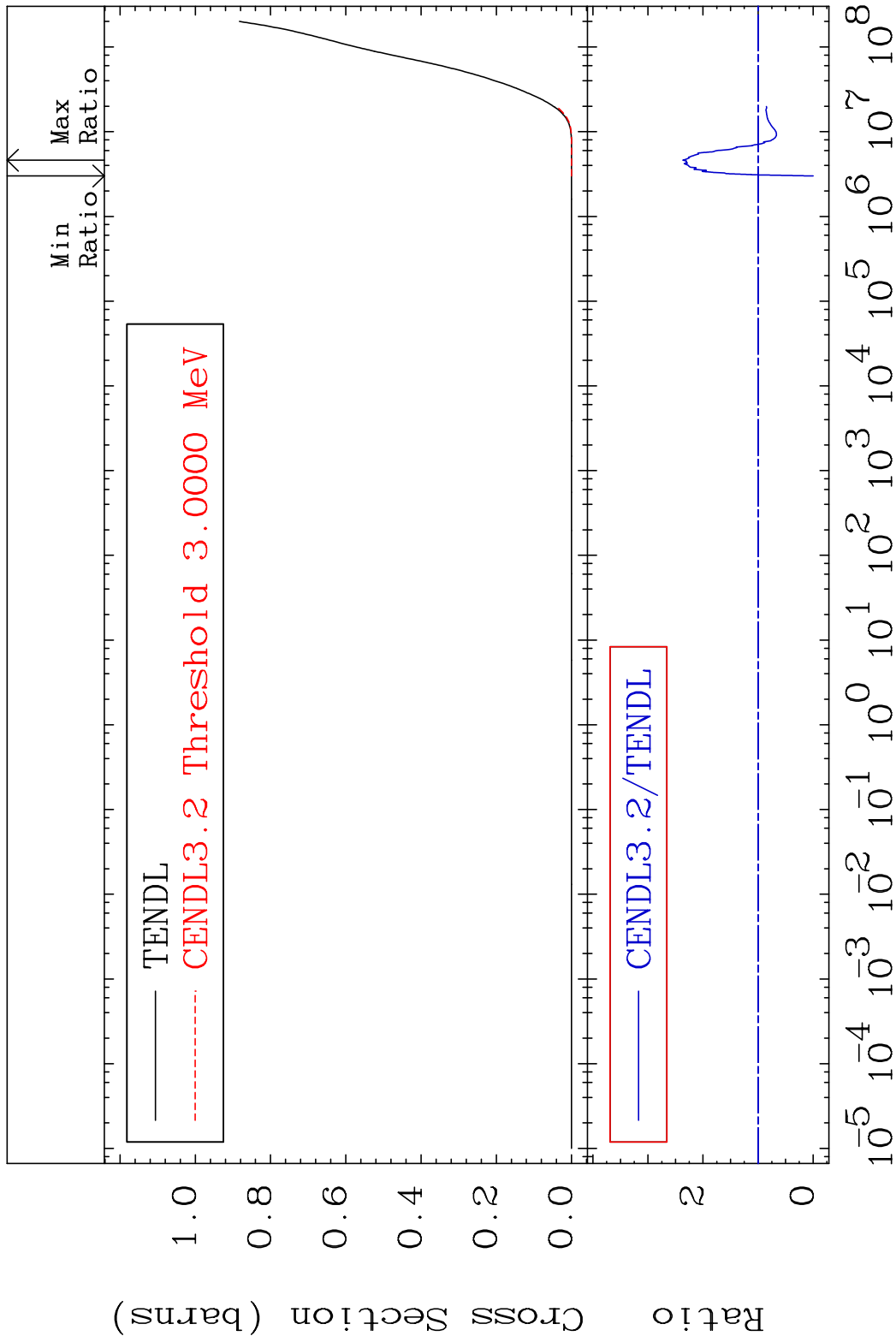


27 60-Nd-143



MAT 6028

Hydrogen Production 60-Nd-143  
Cross Section -100.0 To 136.7 %

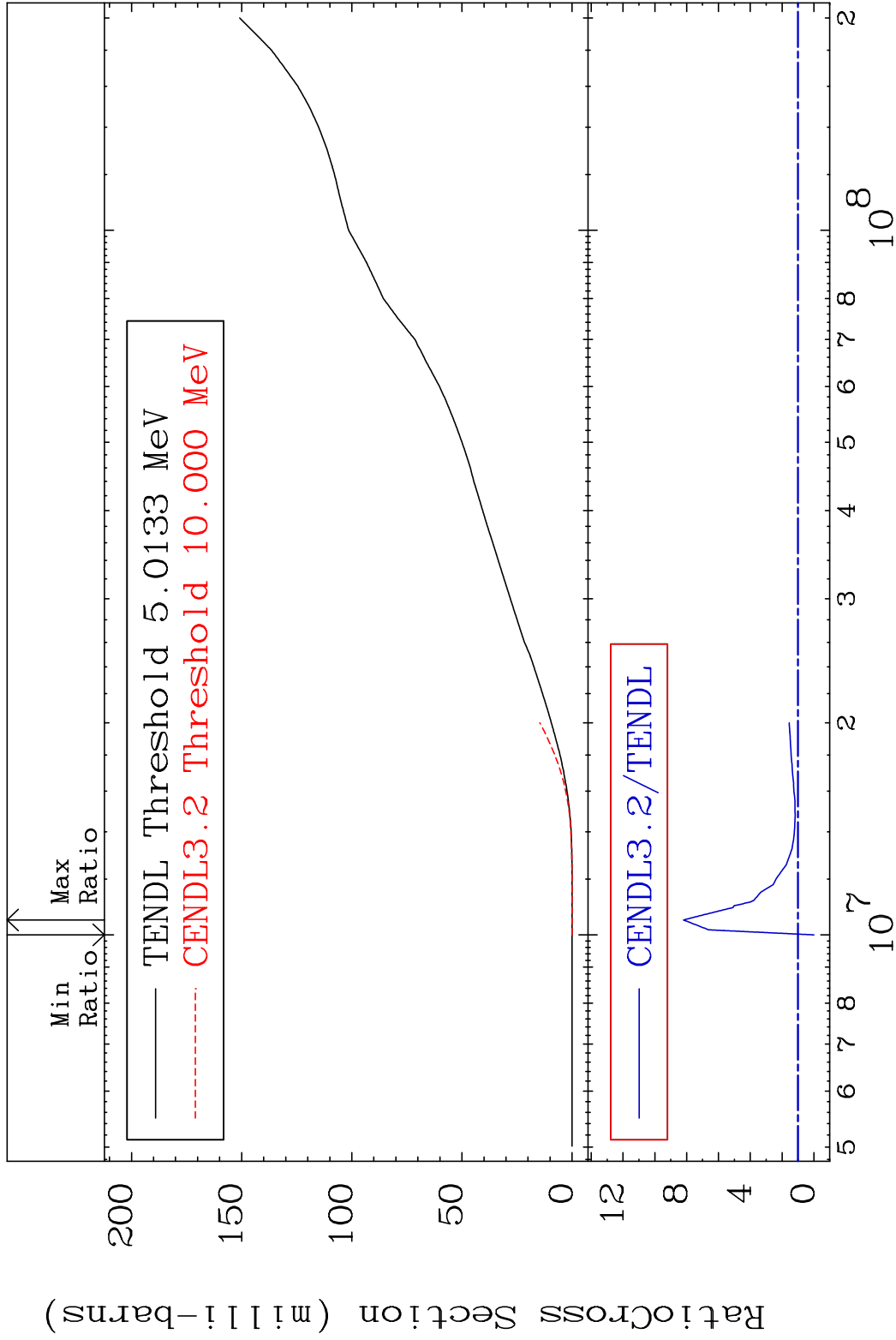


29

Incident Energy (eV)

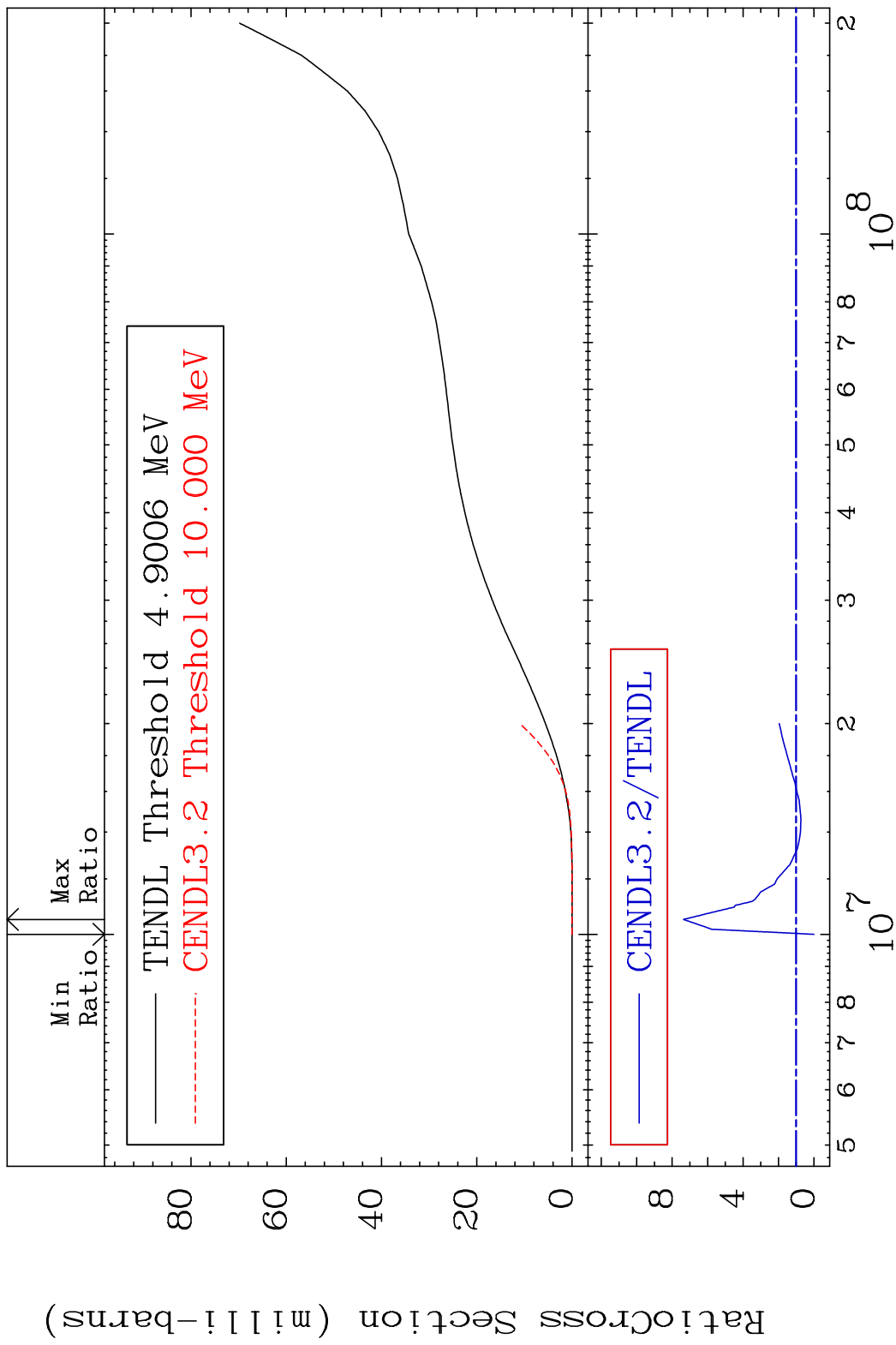
60-Nd-143

MAT 6028 Deuterium Production 60-Nd-143  
 Cross Section -100.0 To 720.1 %



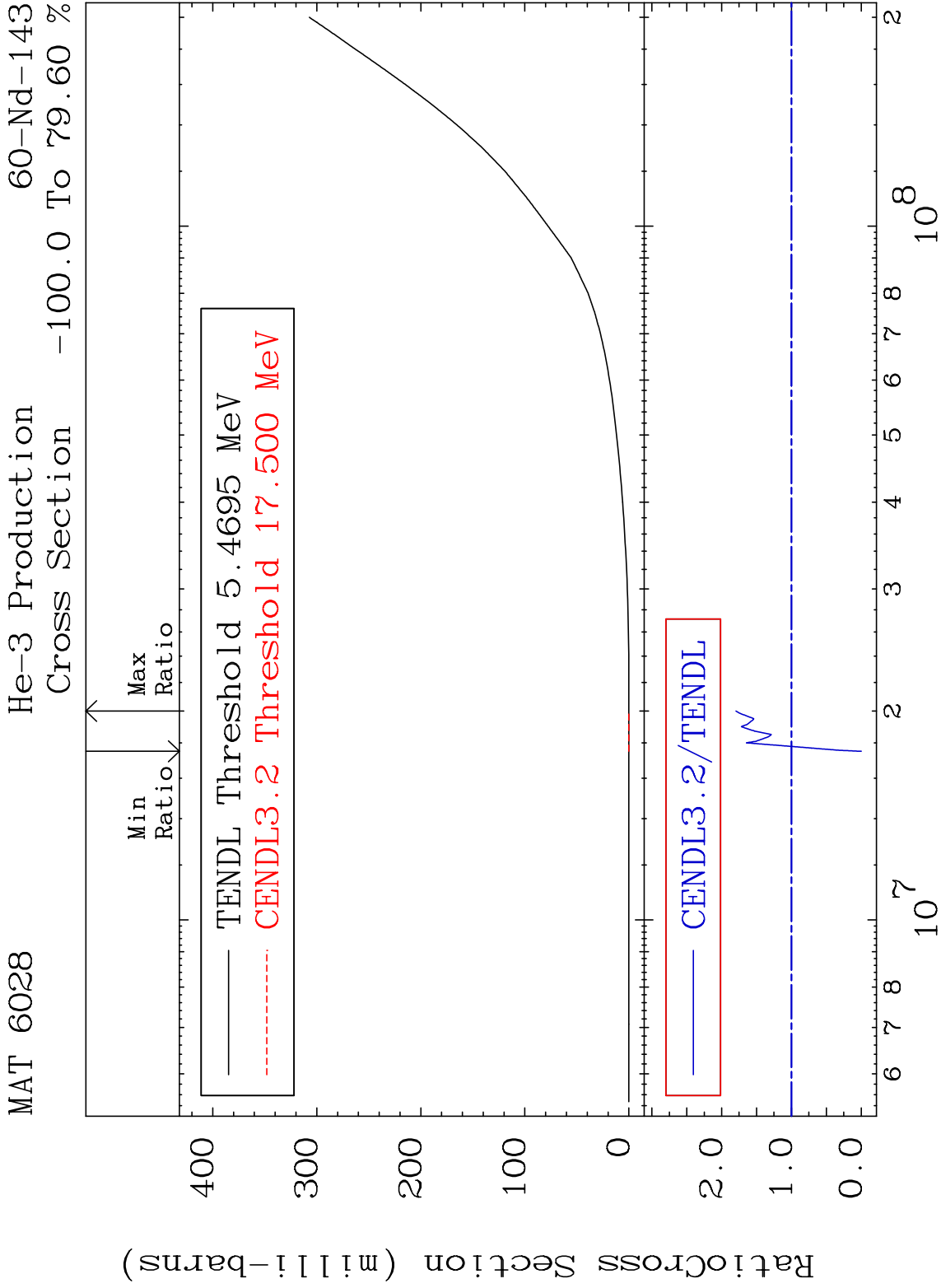
30 Incident Energy (eV) 60-Nd-143

MAT 6028 Tritium Production 60-Nd-143  
 Cross Section -100.0 To 636.3 %

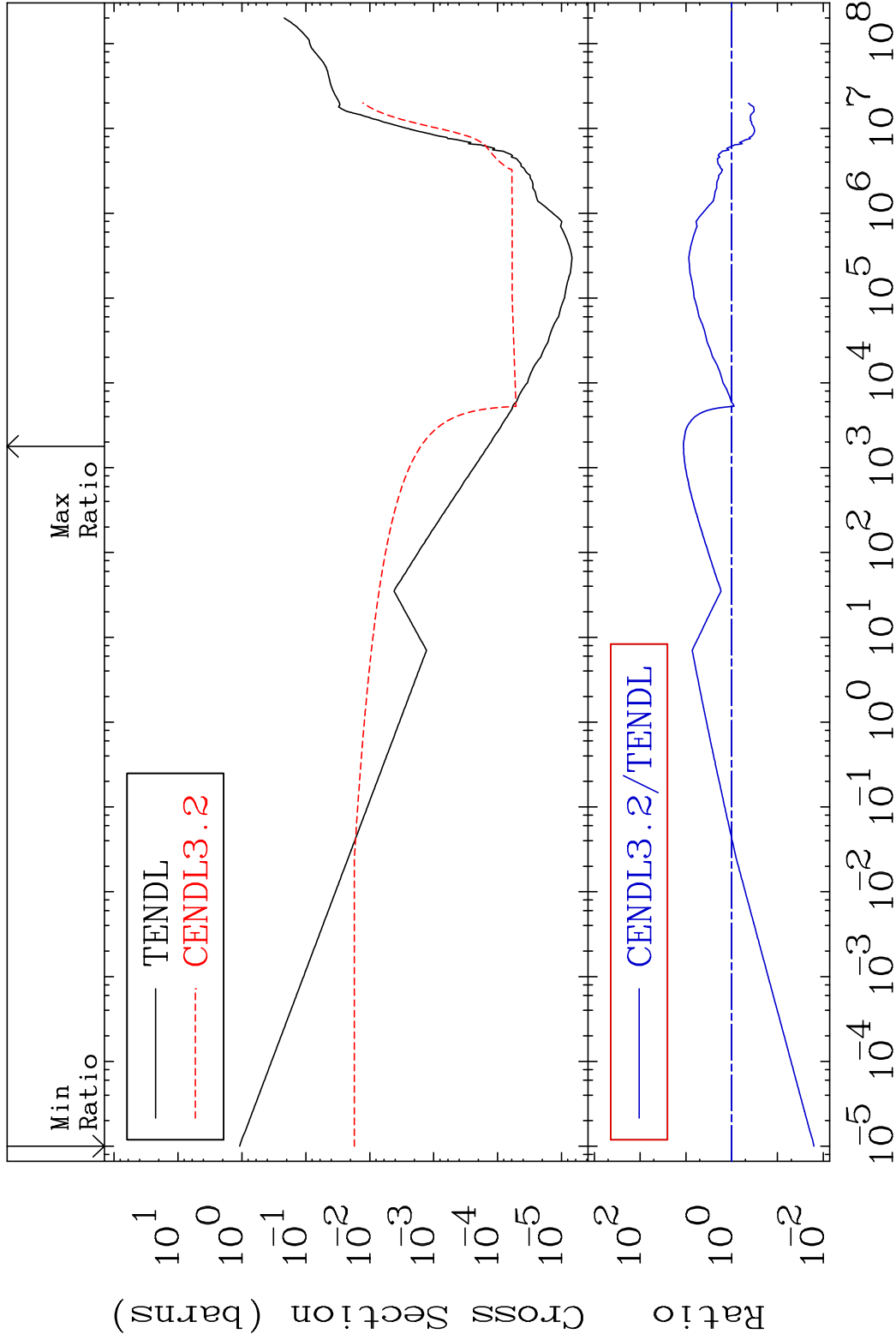


31 Incident Energy (eV) 60-Nd-143



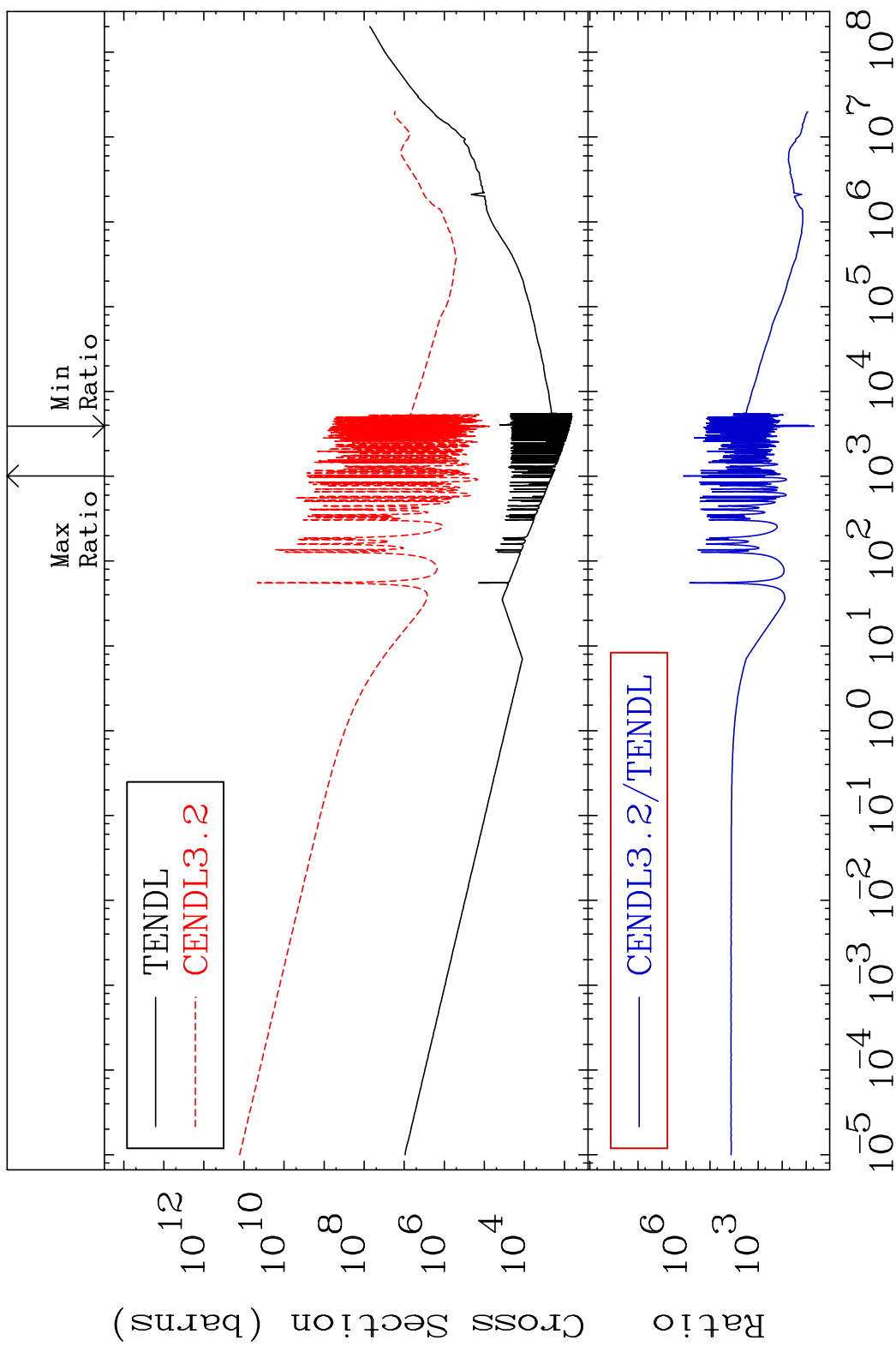


MAT 6028 He-4 Production Cross Section -98.40 To 1030. % 60-Nd-143

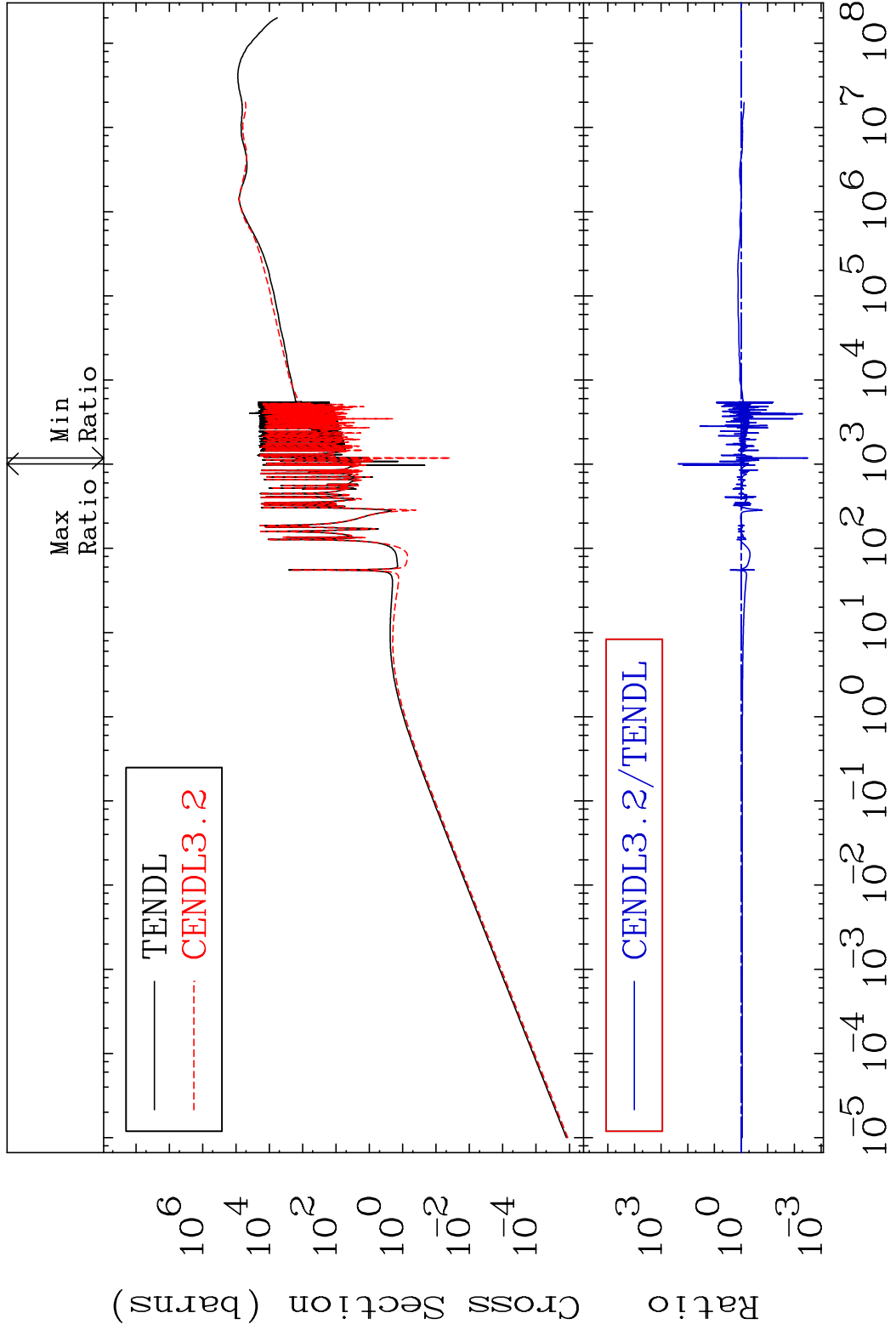


33 Incident Energy (eV) 60-Nd-143

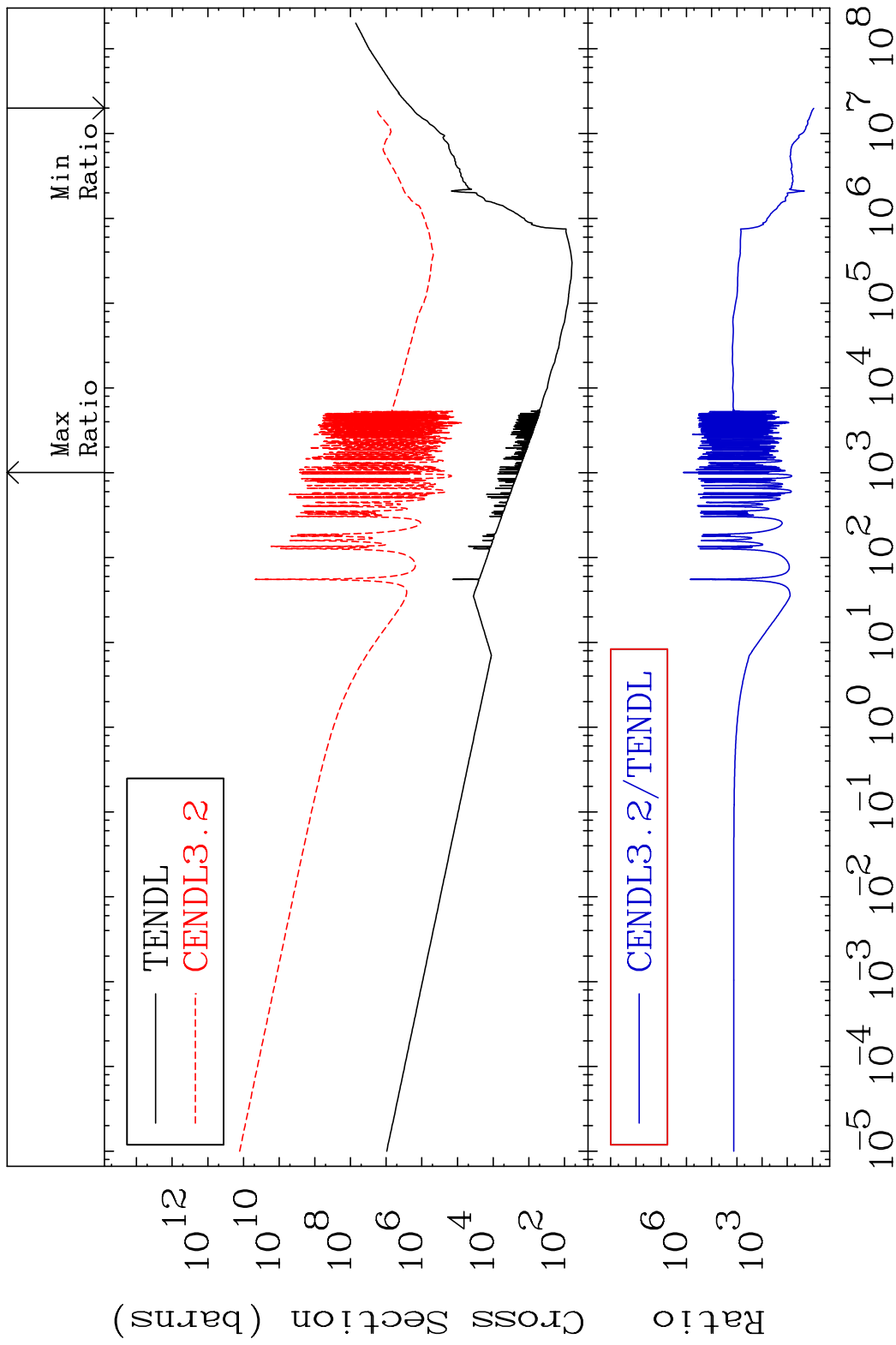
MAT 6028 Kerma total (eV-barns) 60-Nd-143  
 Cross Section 379.9 To 9999. %



MAT 6028      Kerma elastic      60-Nd-143  
 Cross Section      -99.68 To 9999. %

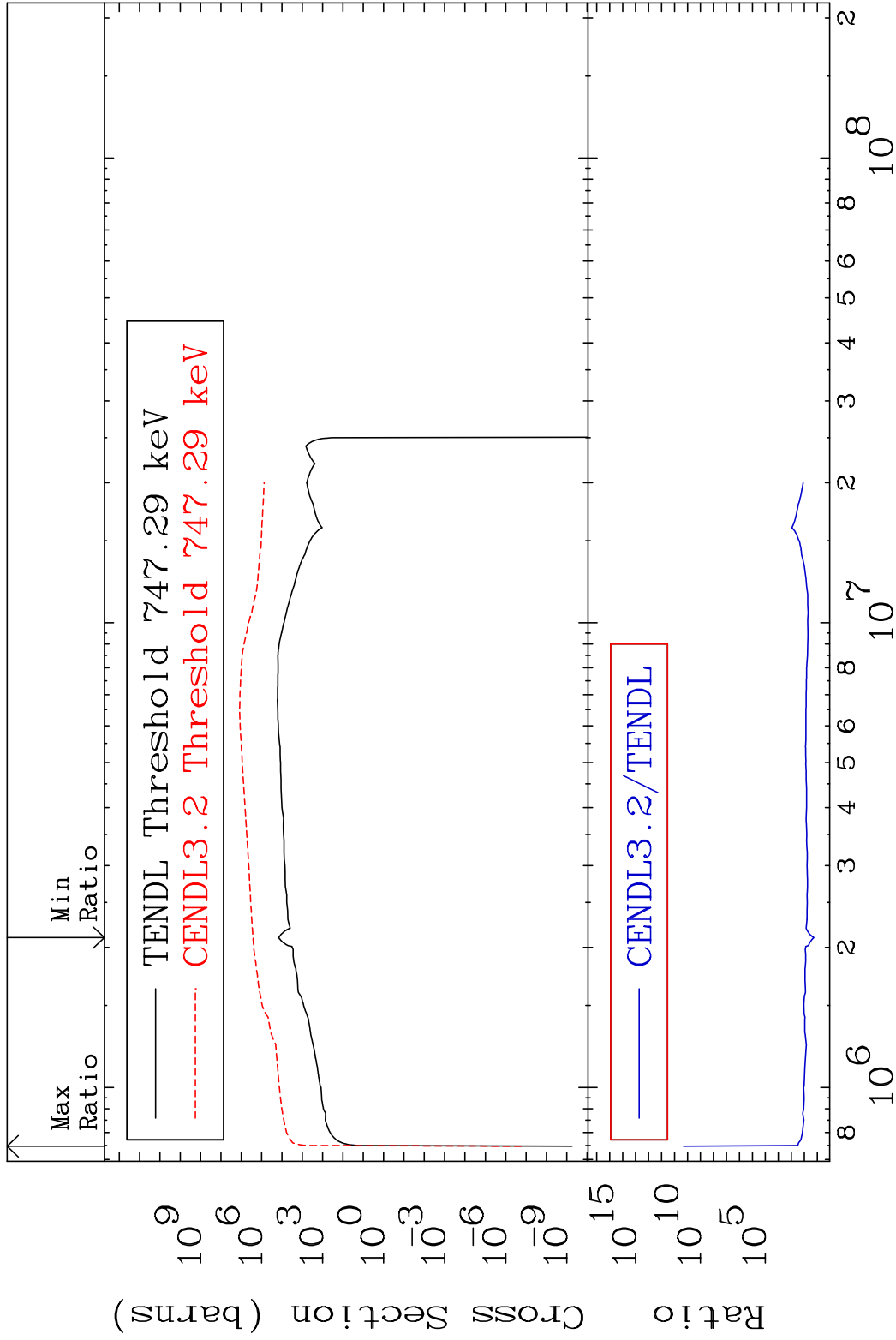


MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143  
 Cross Section 785.6 To 9999. %



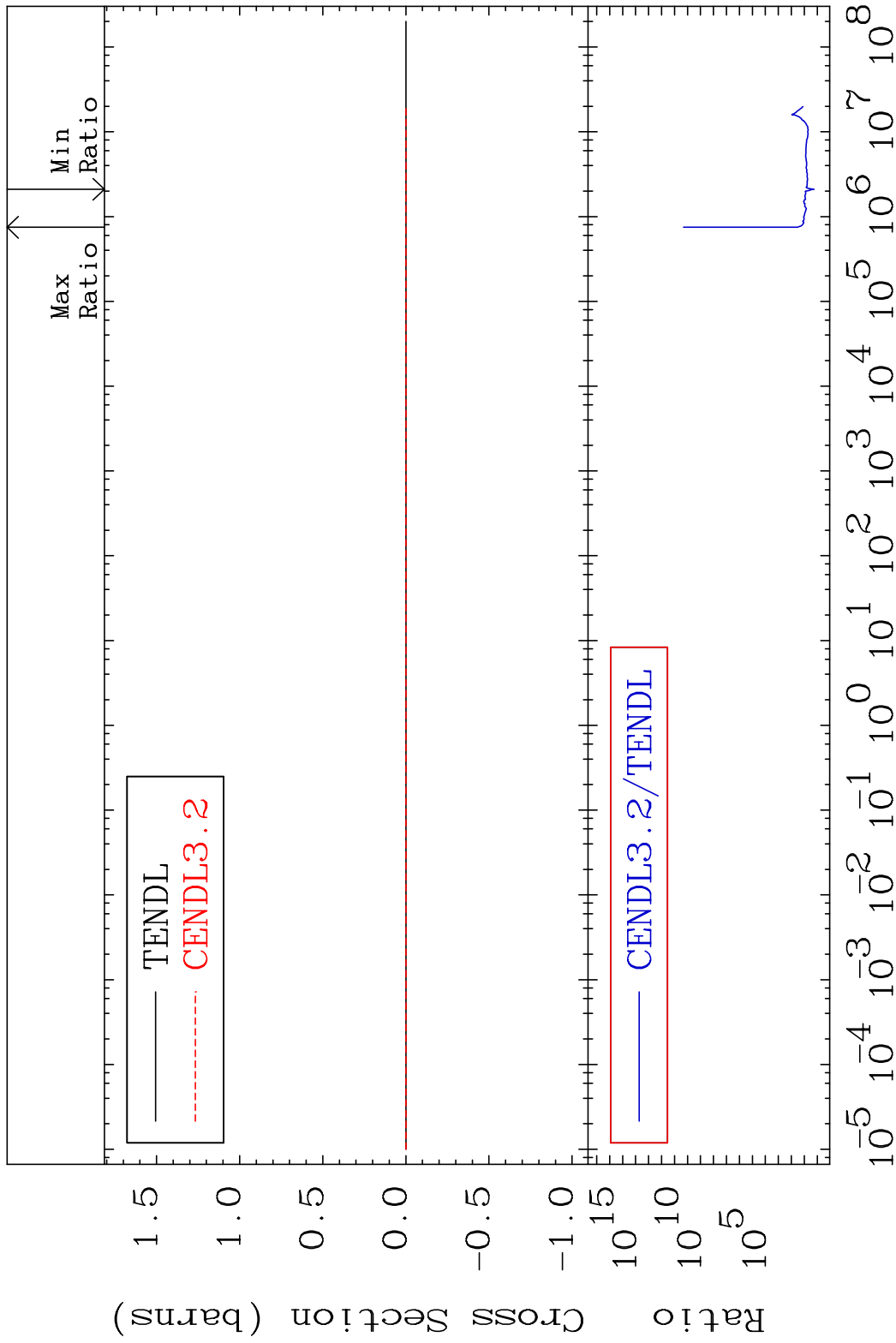
36 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143  
 Cross Section 1721. To 9999. %

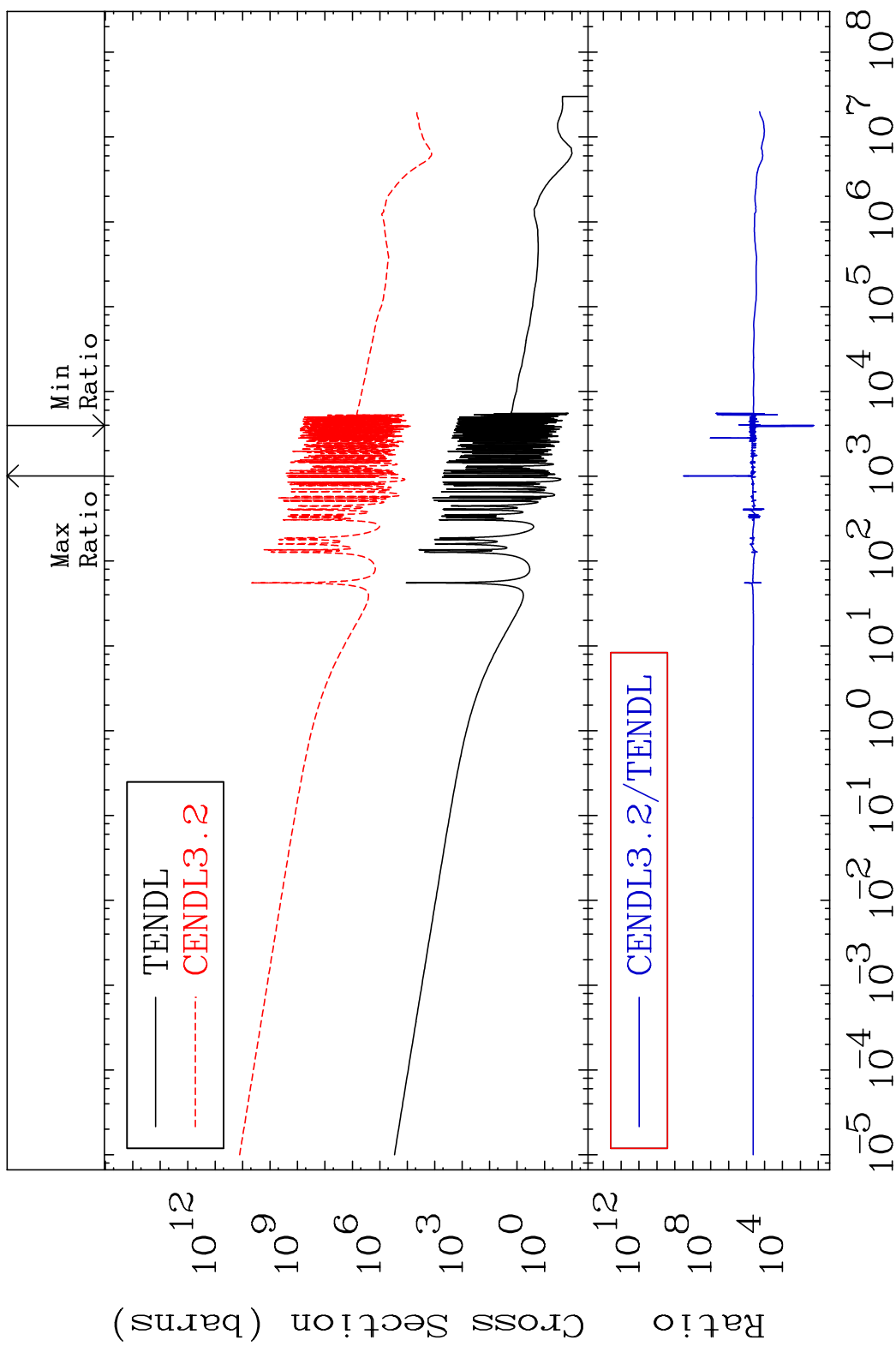


37 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143  
 Cross Section 1721. To 9999. %

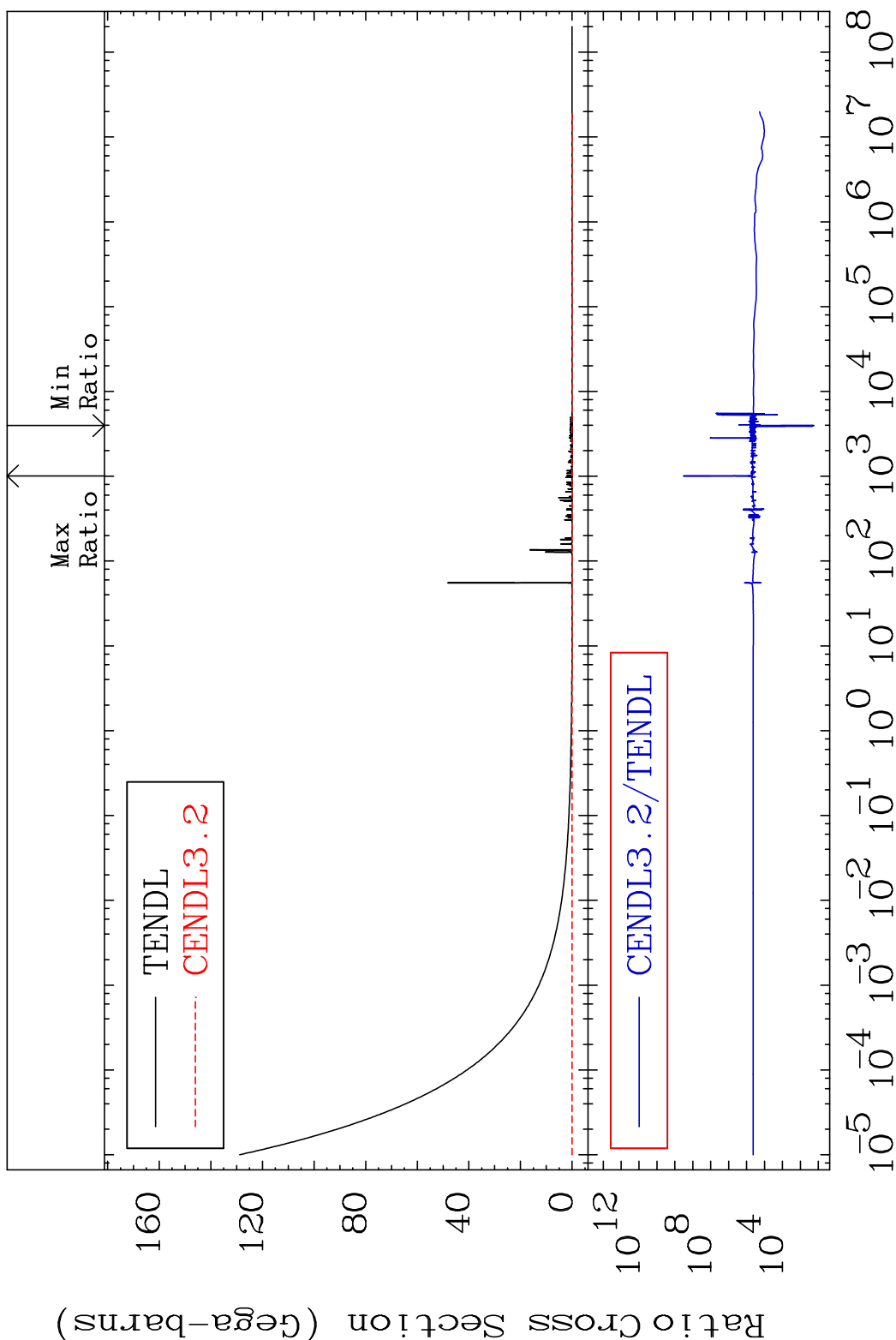


MAT 6028 Kerma capture (mt102) 60-Nd-143  
 Cross Section 9999. To 9999. %



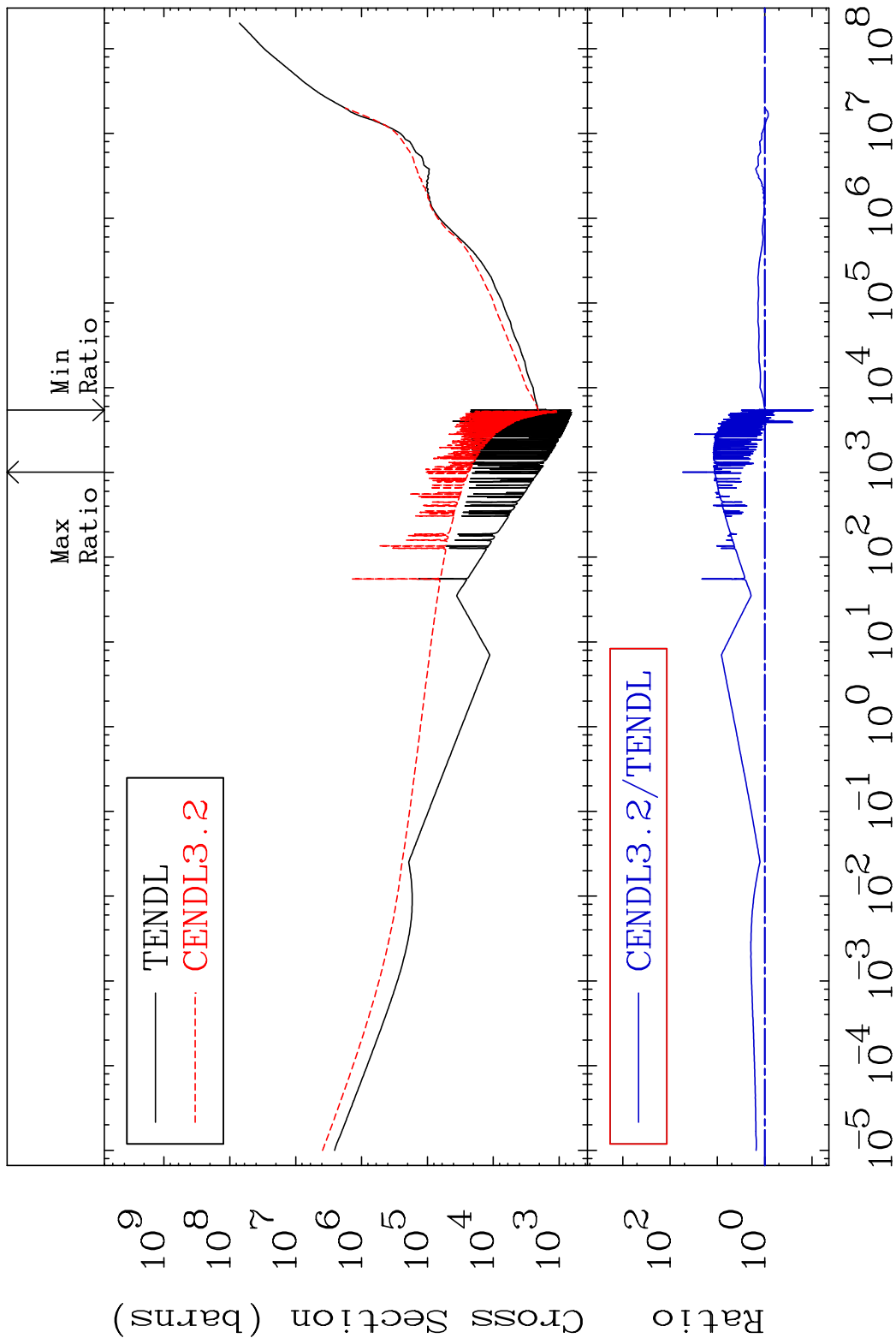


MAT 6028 Total photon (eV-barns) 60-Nd-143  
 Cross Section 9999. To 9999. %



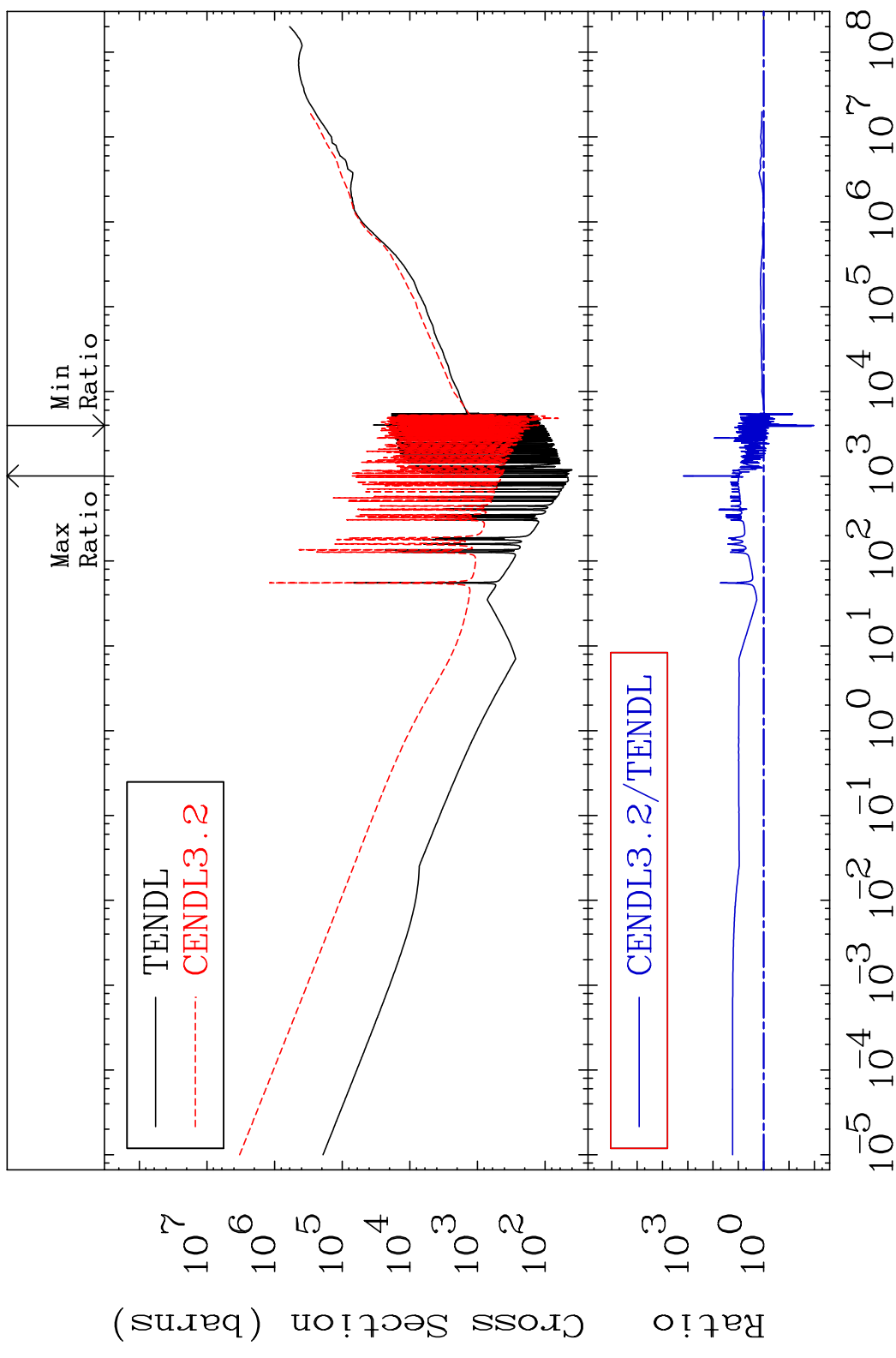
40 Incident Energy (eV) 60-Nd-143

MAT 6028 Total kinematic kerma (high limit) 60-Nd-143  
 Cross Section -90.51 To 5289. %



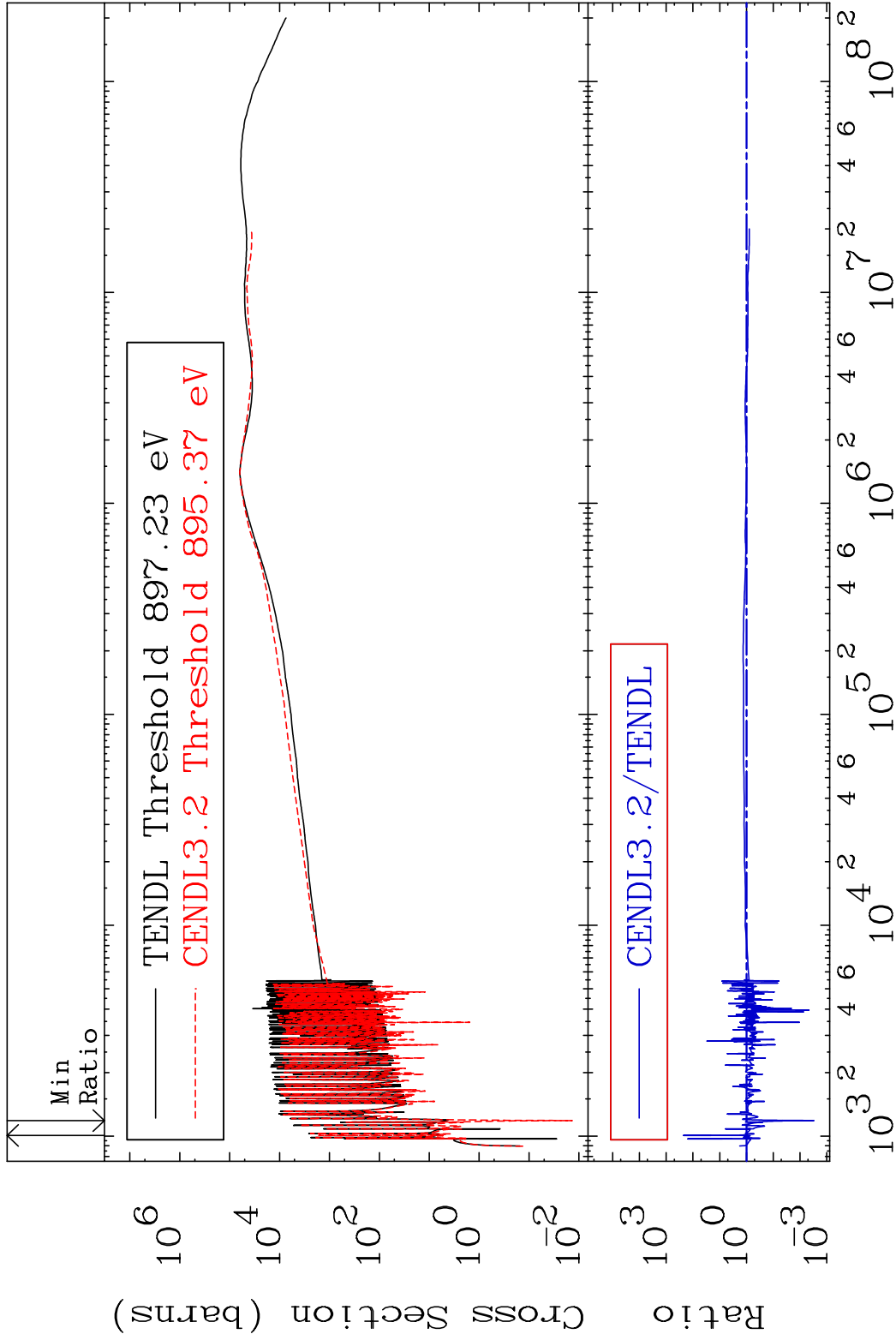
41 Incident Energy (eV) 60-Nd-143

MAT 6028      Dpa total (eV-barns)      60-Nd-143  
 Cross Section      -98.95 To 9999. %



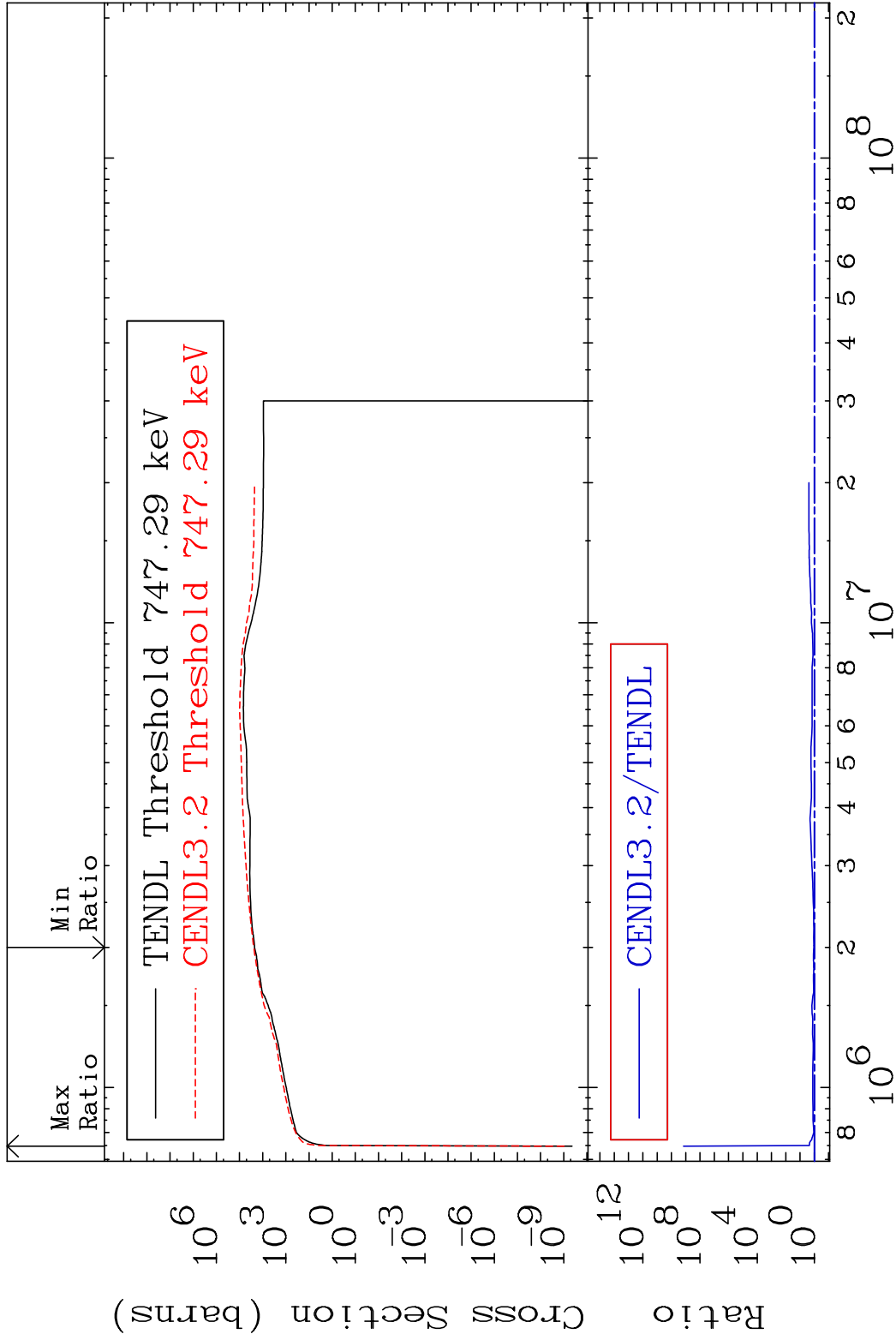
42      Incident Energy (eV)      60-Nd-143

MAT 6028      Dpa elastic (mt2)      60-Nd-143  
 Cross Section      -99.70 To 9999. %

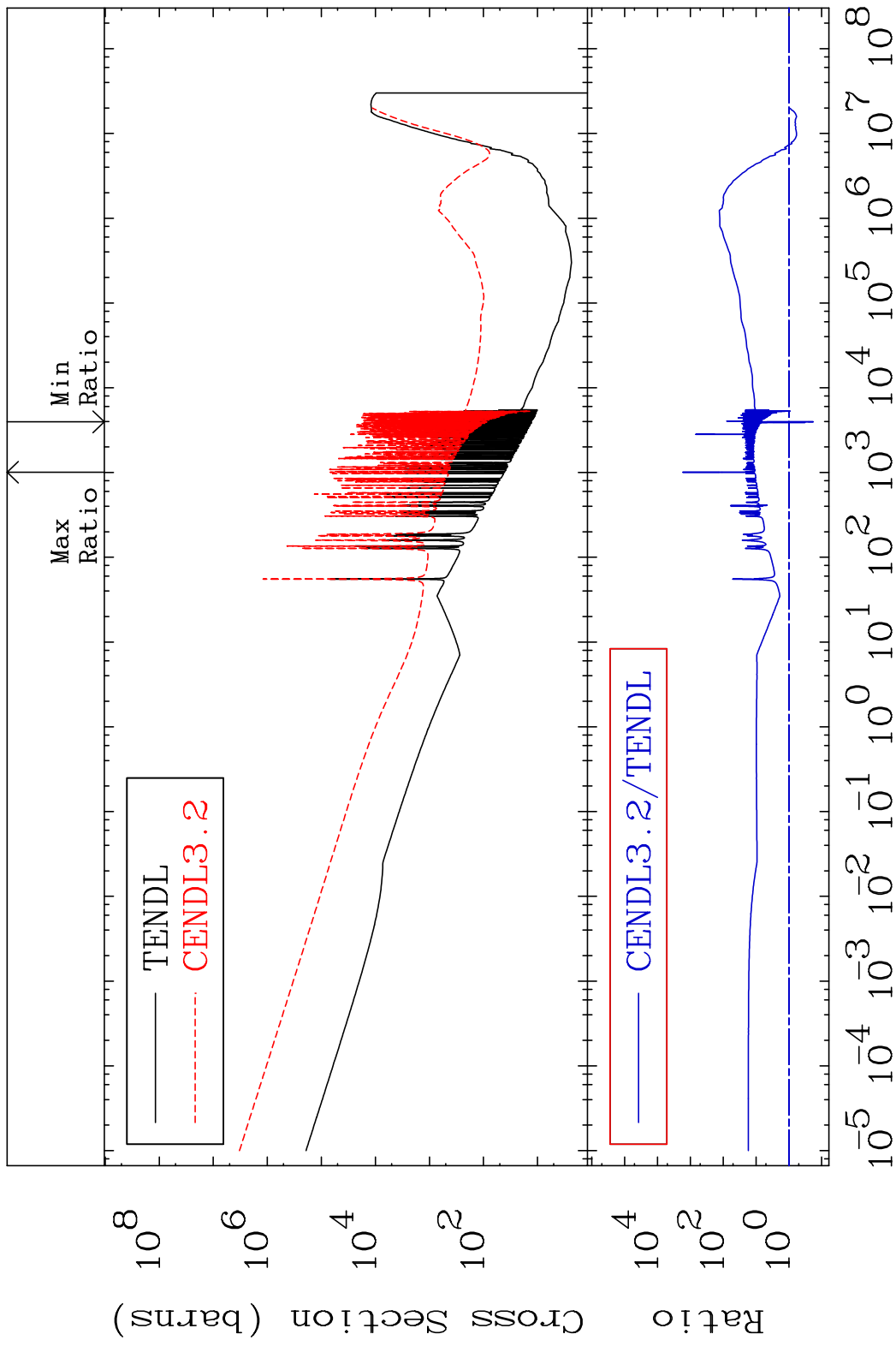


43      Incident Energy (eV)      60-Nd-143

MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143  
 Cross Section 8.166 To 9999. %

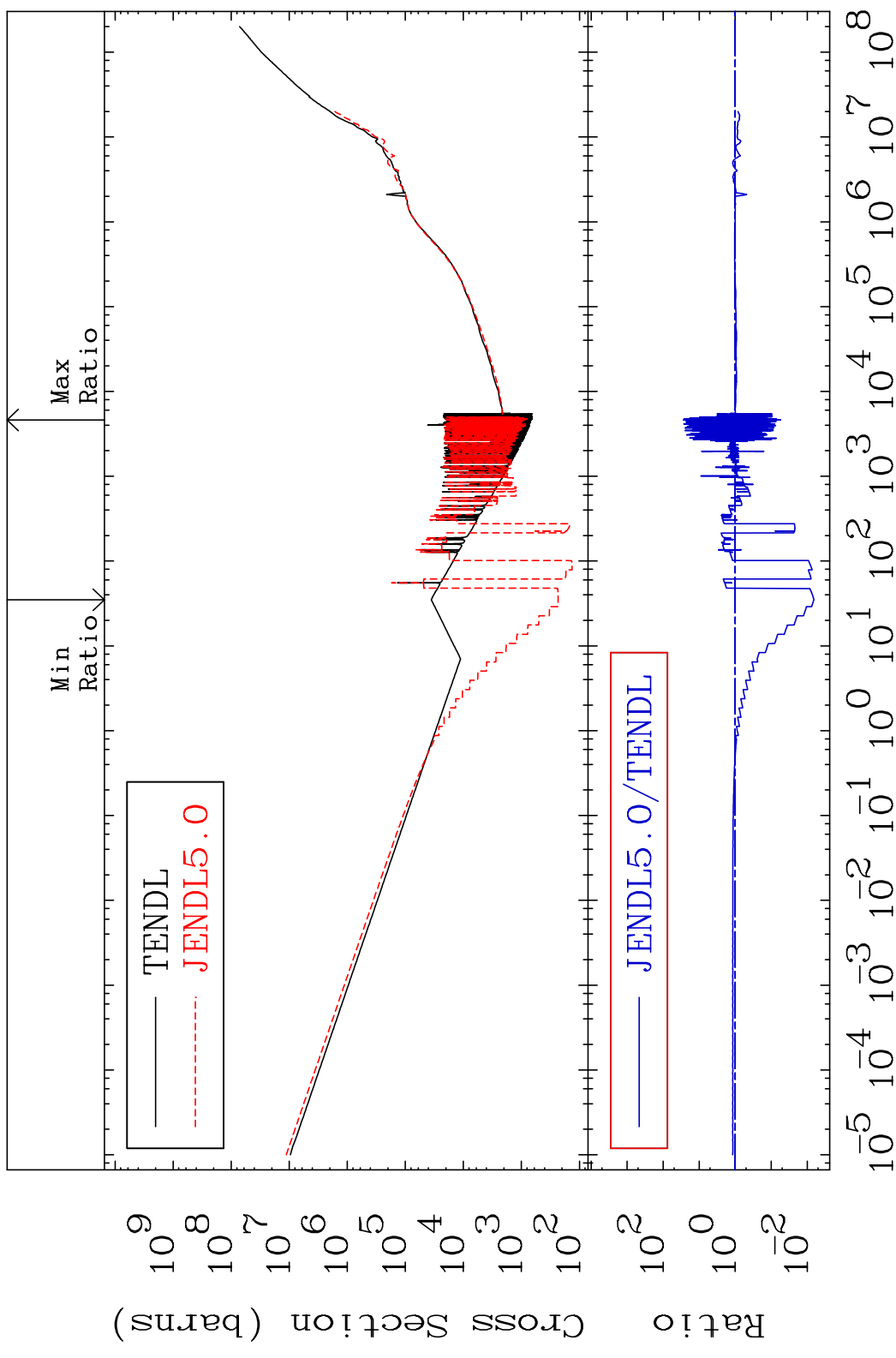


MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143  
 Cross Section -81.74 To 9999. %

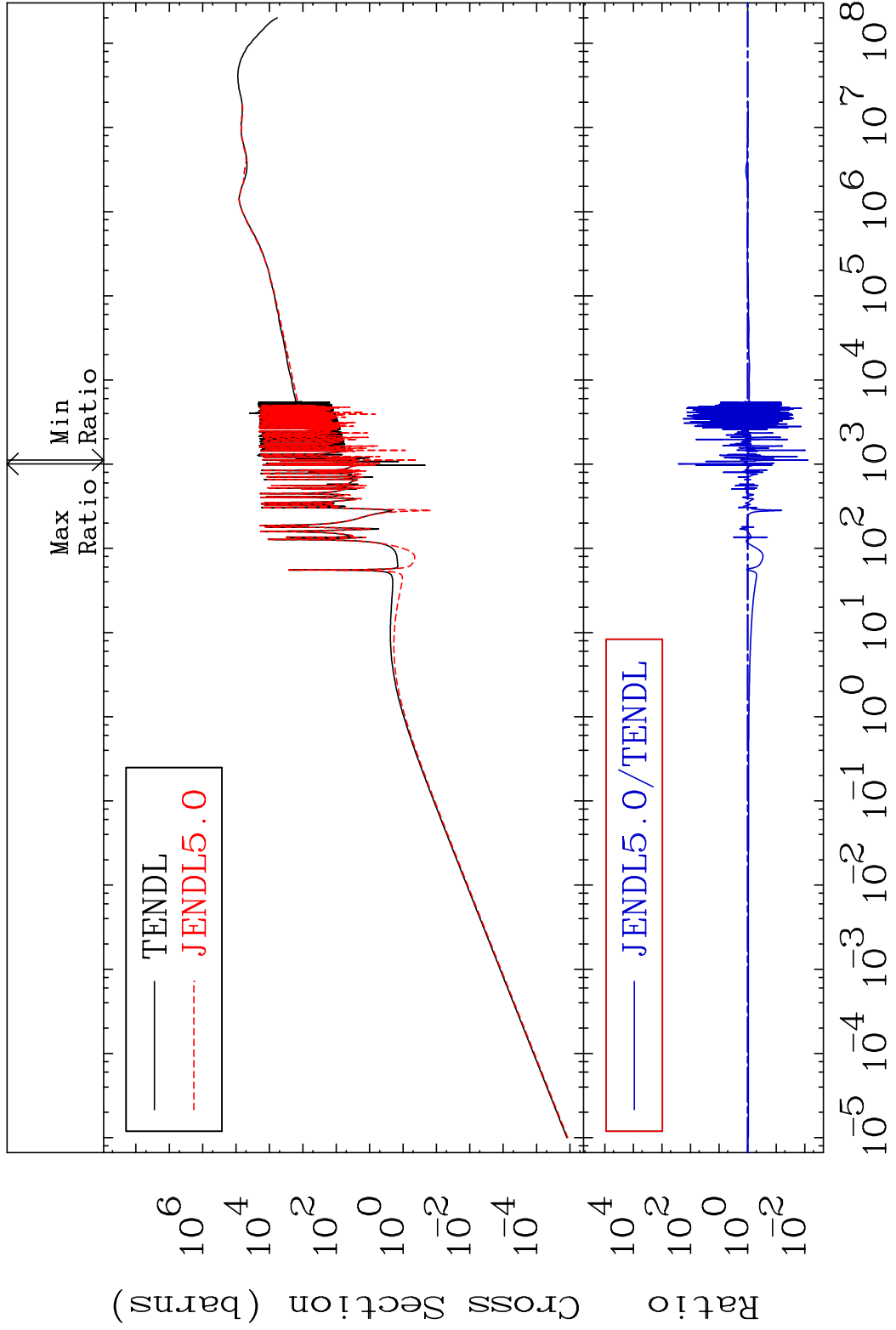


45 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma total (eV-barns) 60-Nd-143  
 Cross Section -99.35 To 2636. %

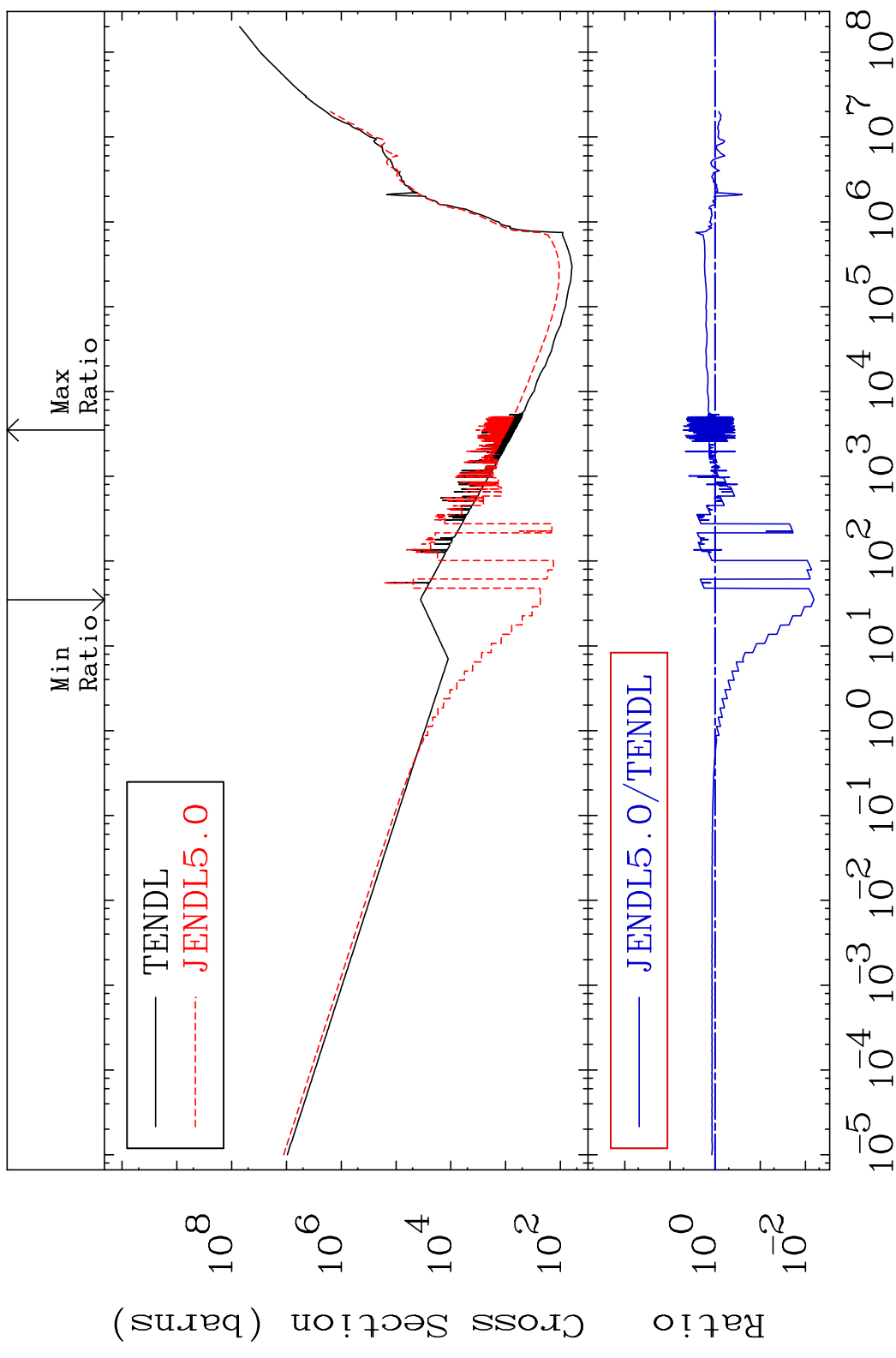


MAT 6028 Kerma elastic Cross Section -99.21 To 9999. % 60-Nd-143



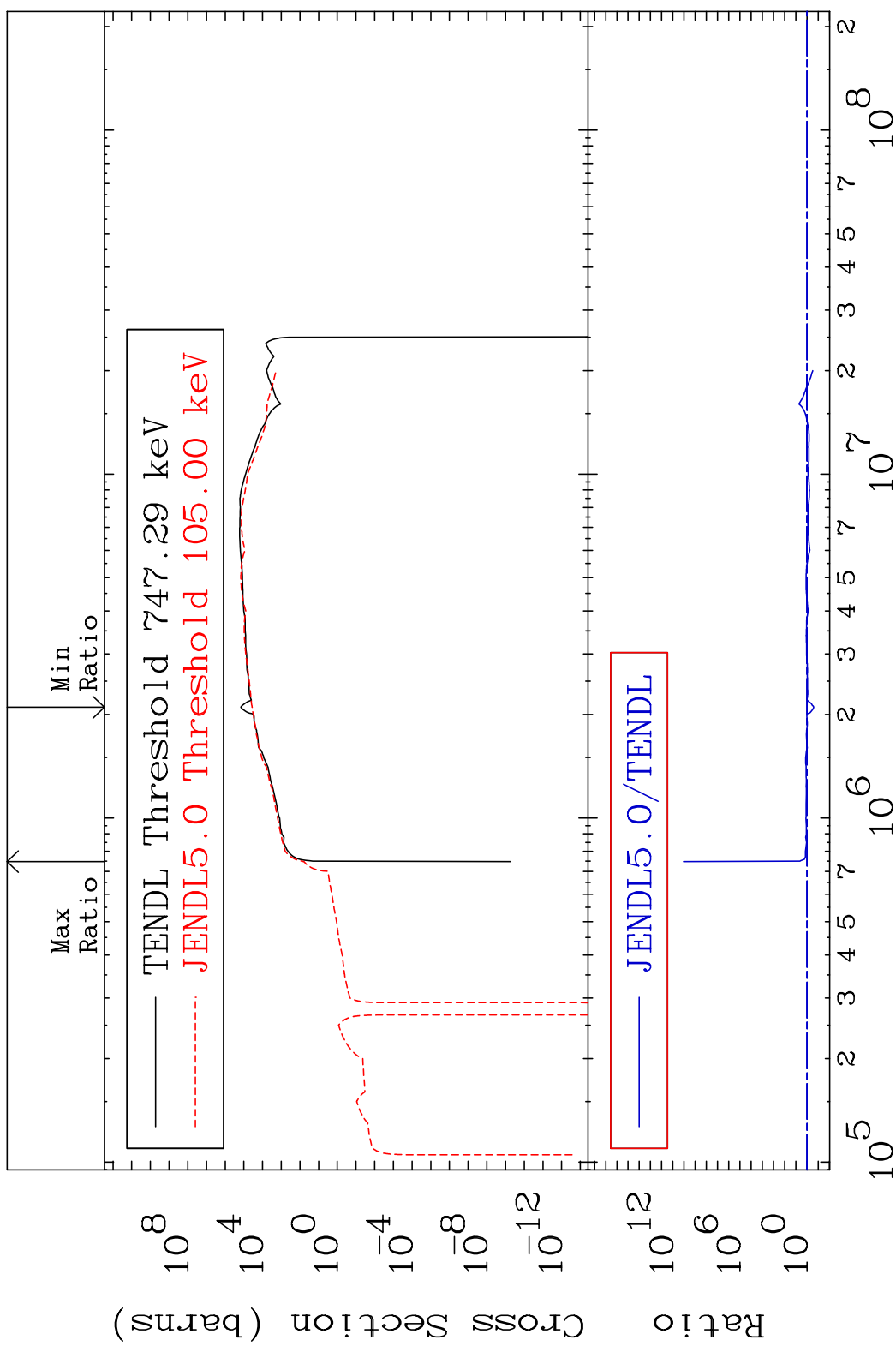


MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143  
 Cross Section -99.35 To 401.3 %



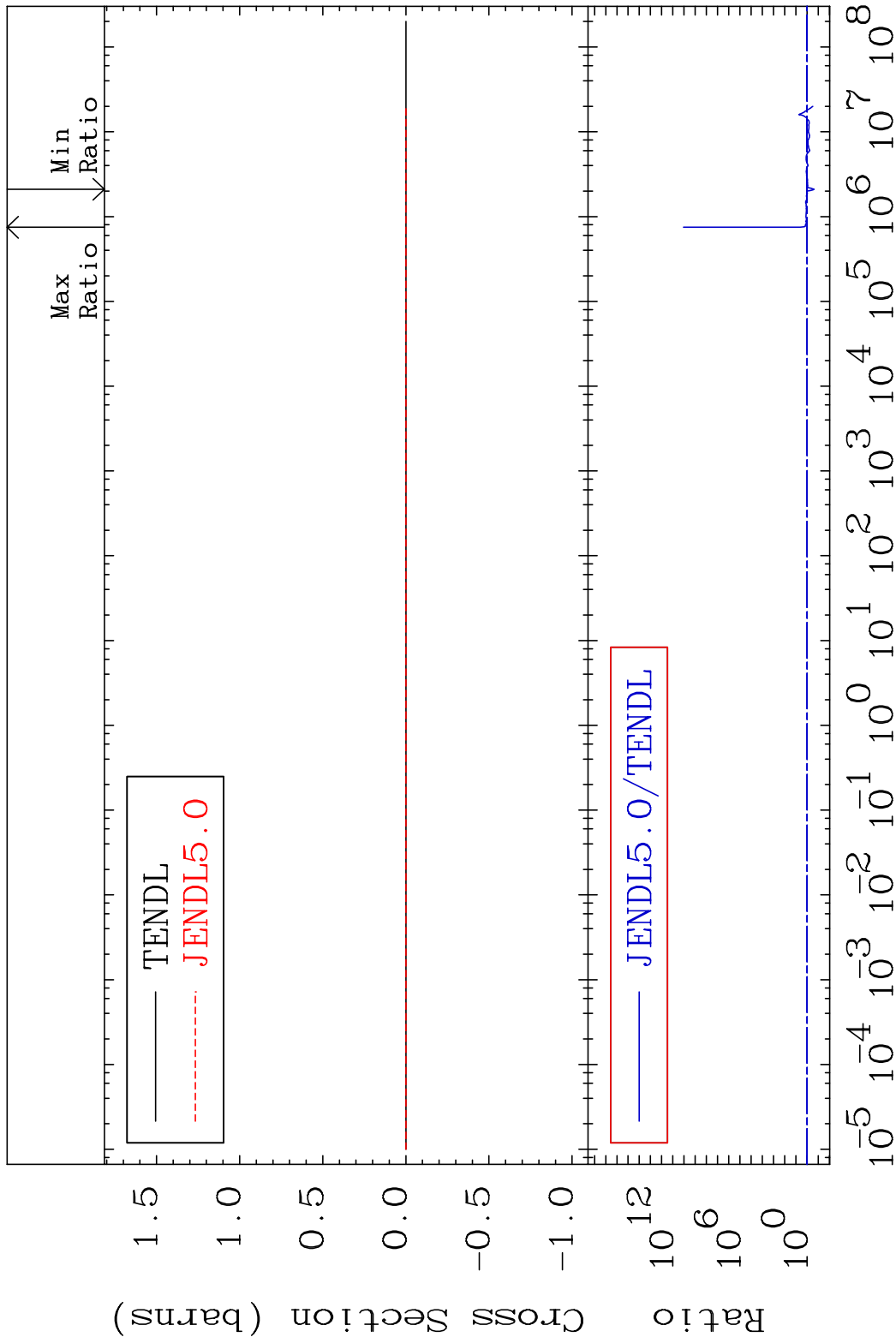
48 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143  
 Cross Section -75.49 To 9999. %



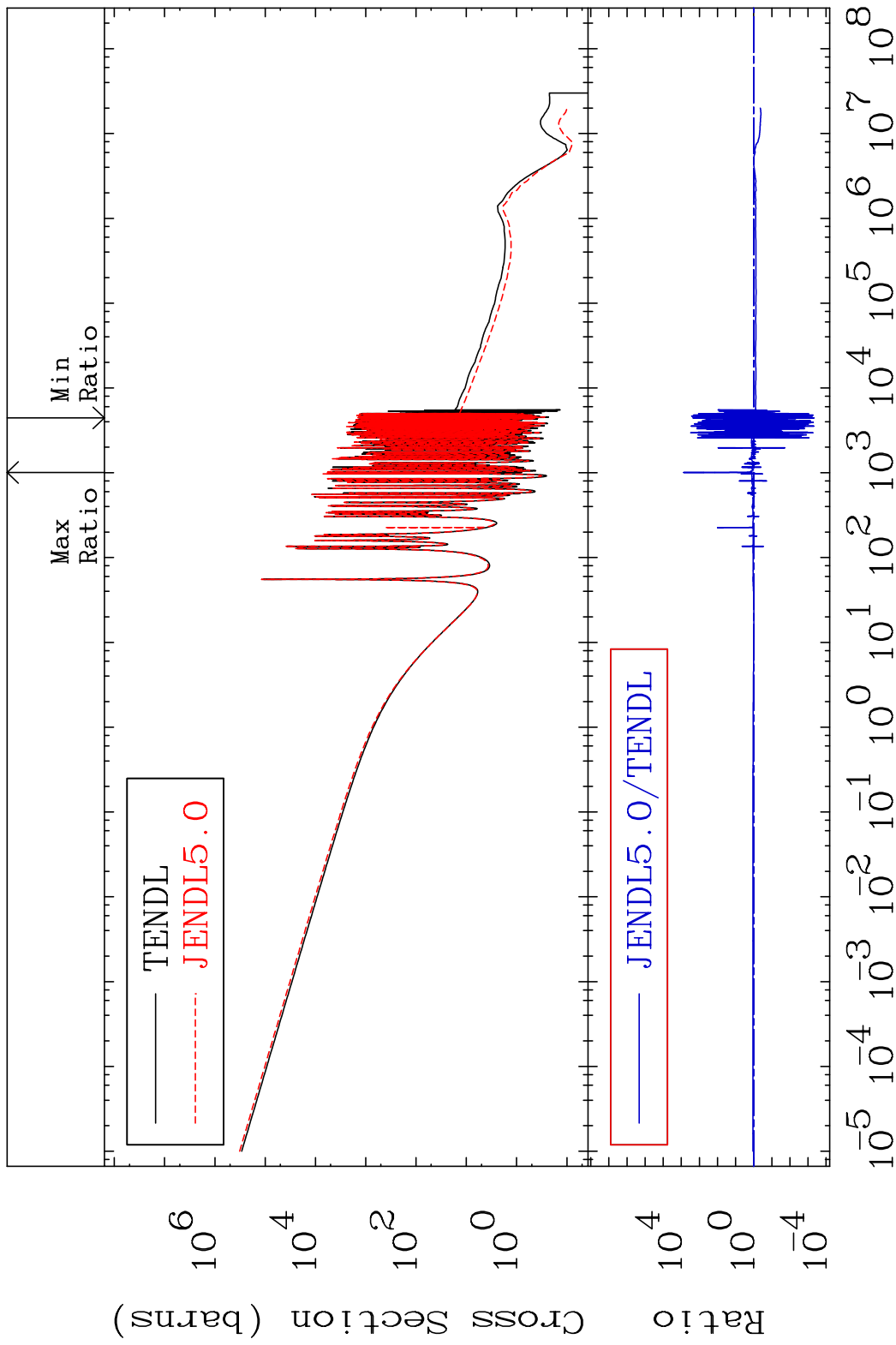
49 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143  
 Cross Section -75.49 To 9999. %



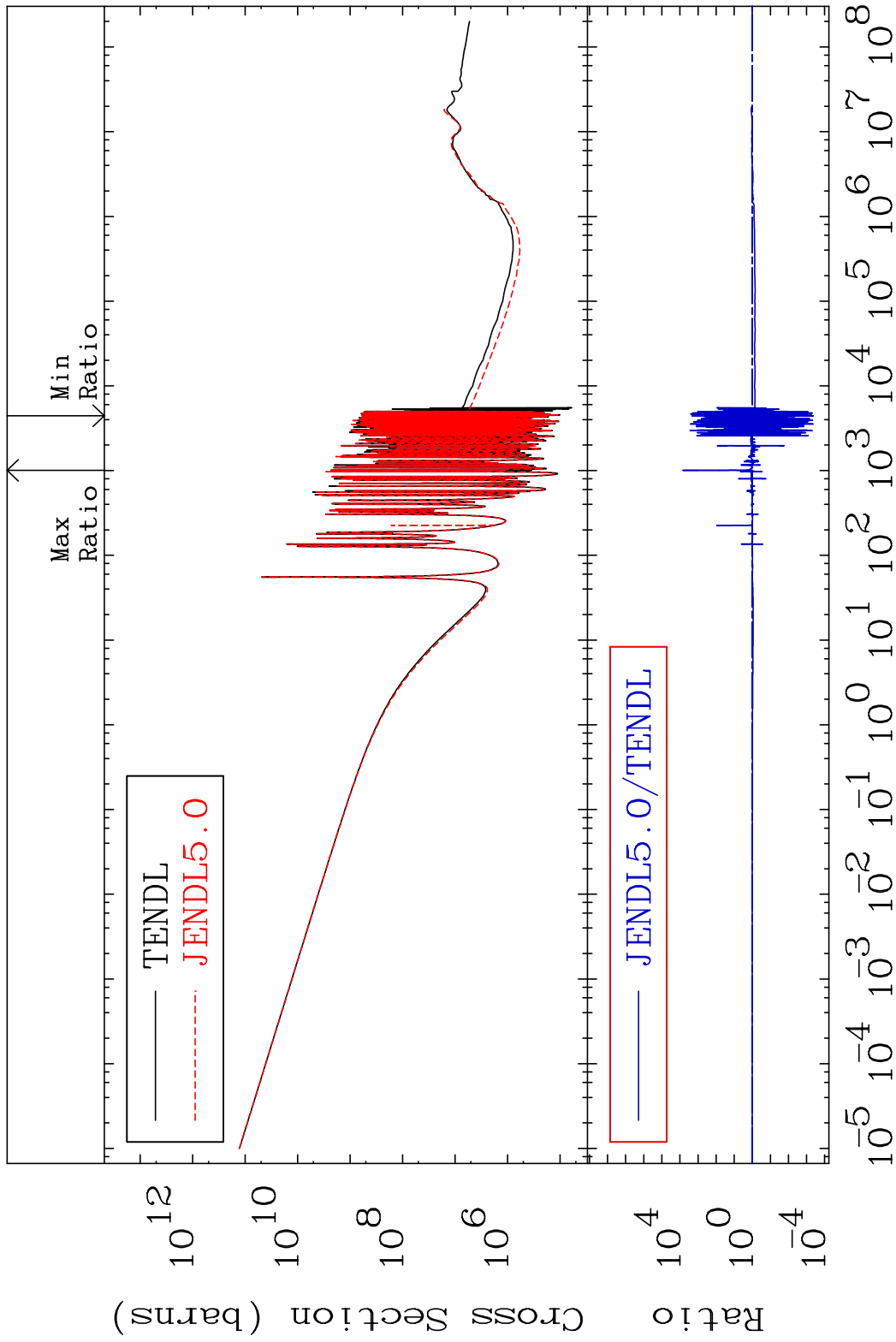
50 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma capture (mt102) 60-Nd-143  
 Cross Section -99.95 To 9999. %



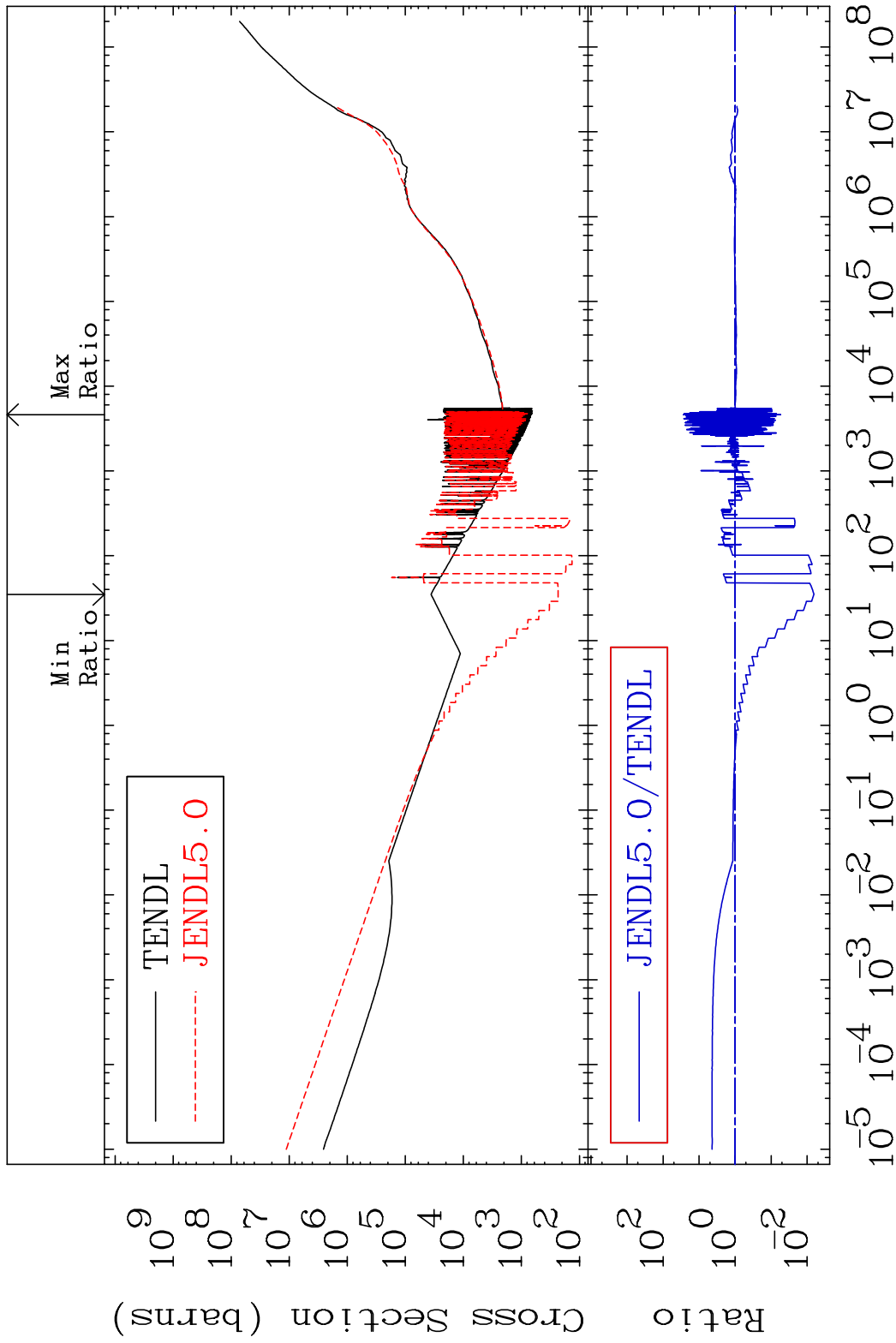
51 Incident Energy (eV) 60-Nd-143

MAT 6028 Total photon (eV-barns) 60-Nd-143  
Cross Section -99.96 To 9999. %



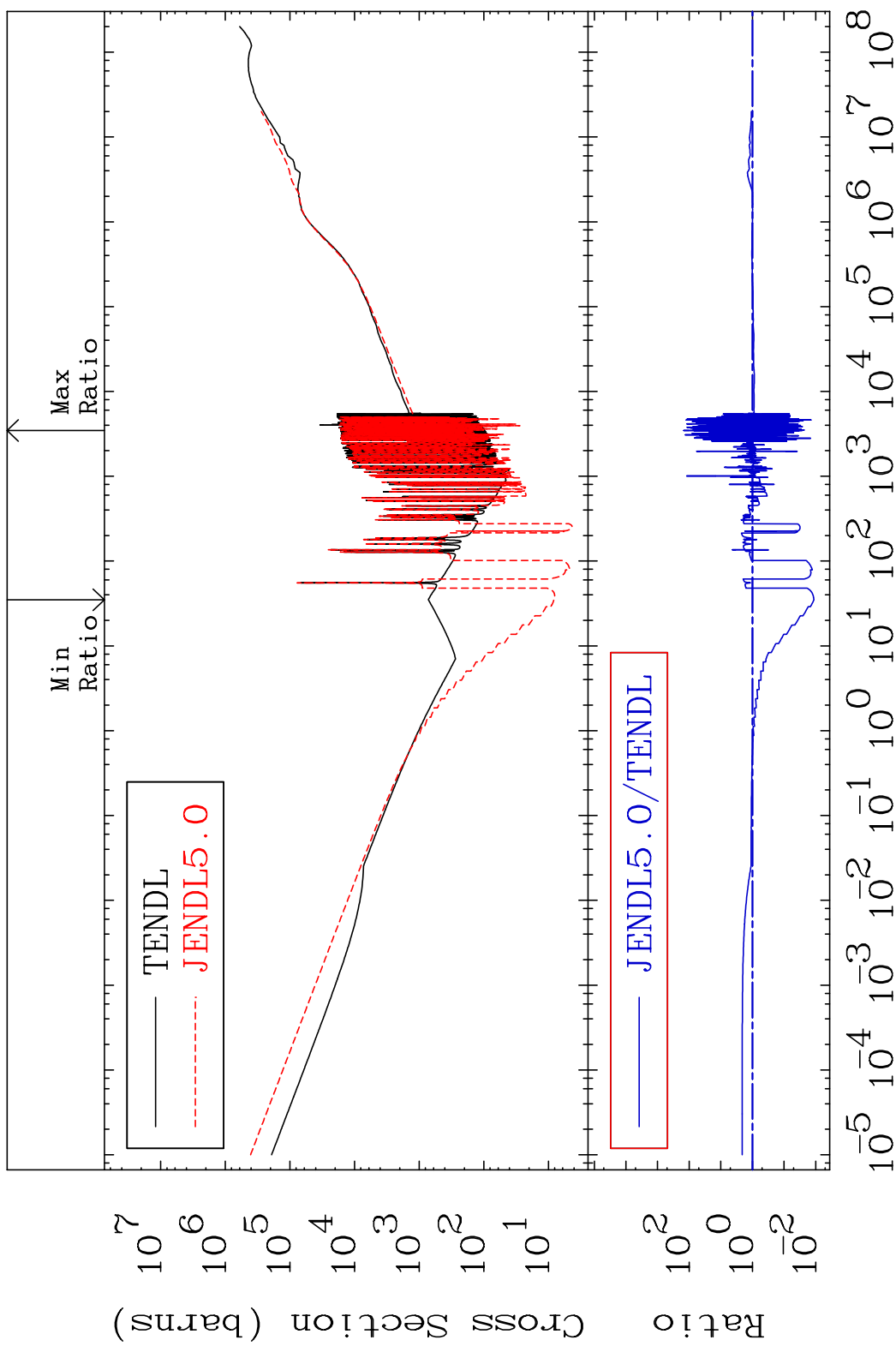
52 Incident Energy (eV) 60-Nd-143

MAT 6028 Total kinematic kerma (high limit) 60-Nd-143  
 Cross Section -99.35 To 2617. %

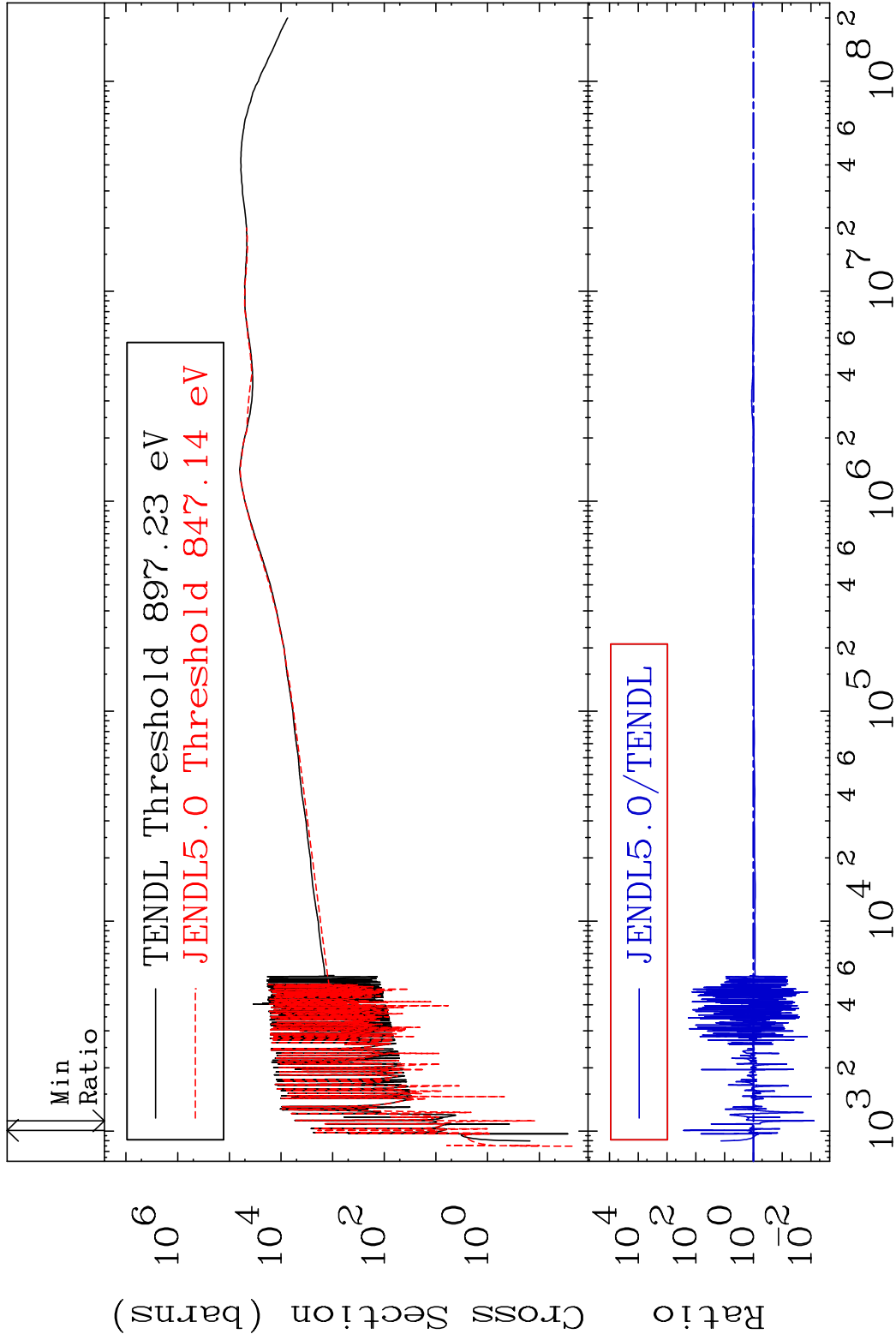


53 Incident Energy (eV) 60-Nd-143

MAT 6028      Dpa total (eV-barns)      60-Nd-143  
 Cross Section      -98.86 To 9999. %



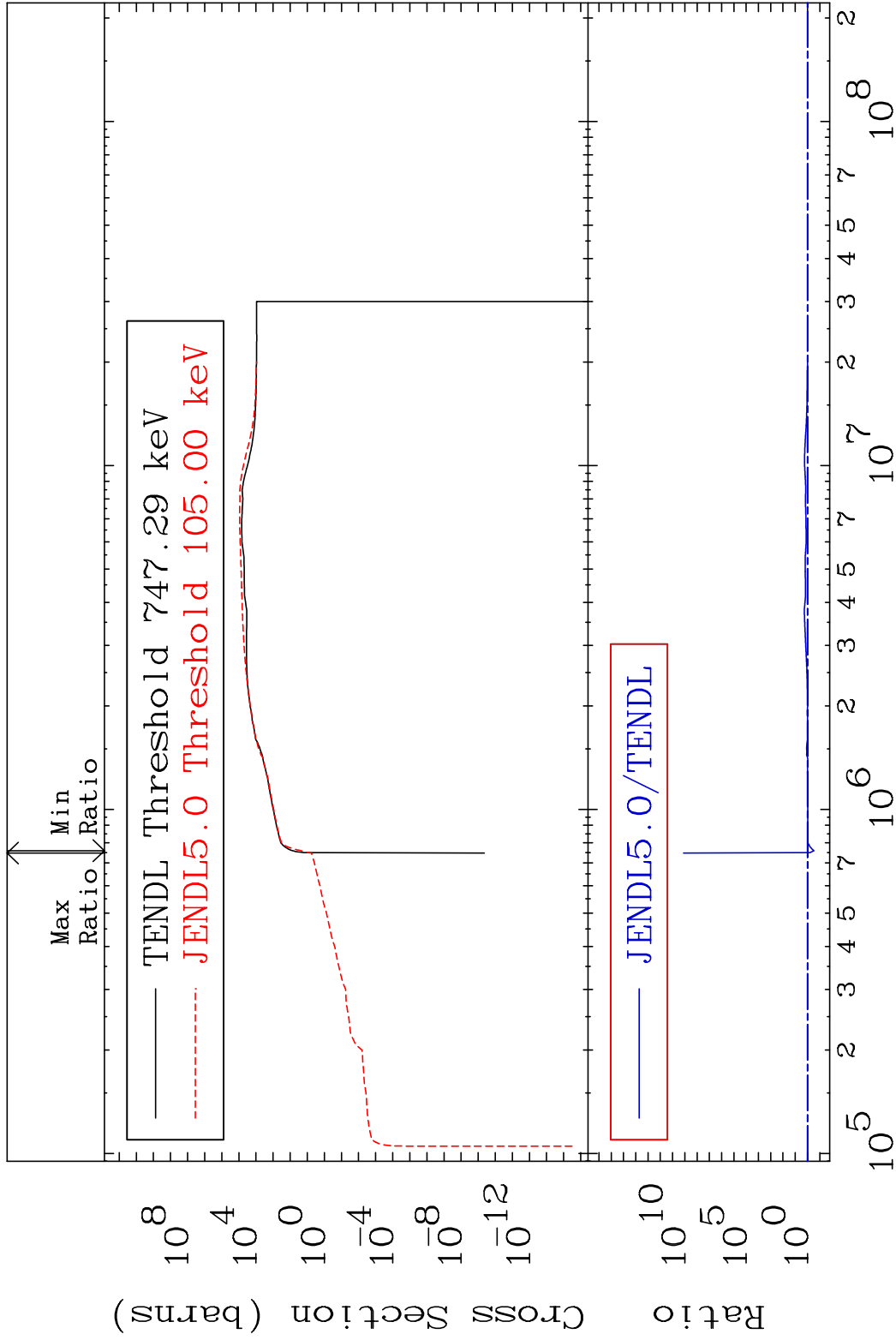
MAT 6028      Dpa elastic (mt2)      60-Nd-143  
 Cross Section      -99.21 To 9999. %



55      Incident Energy (eV)      60-Nd-143

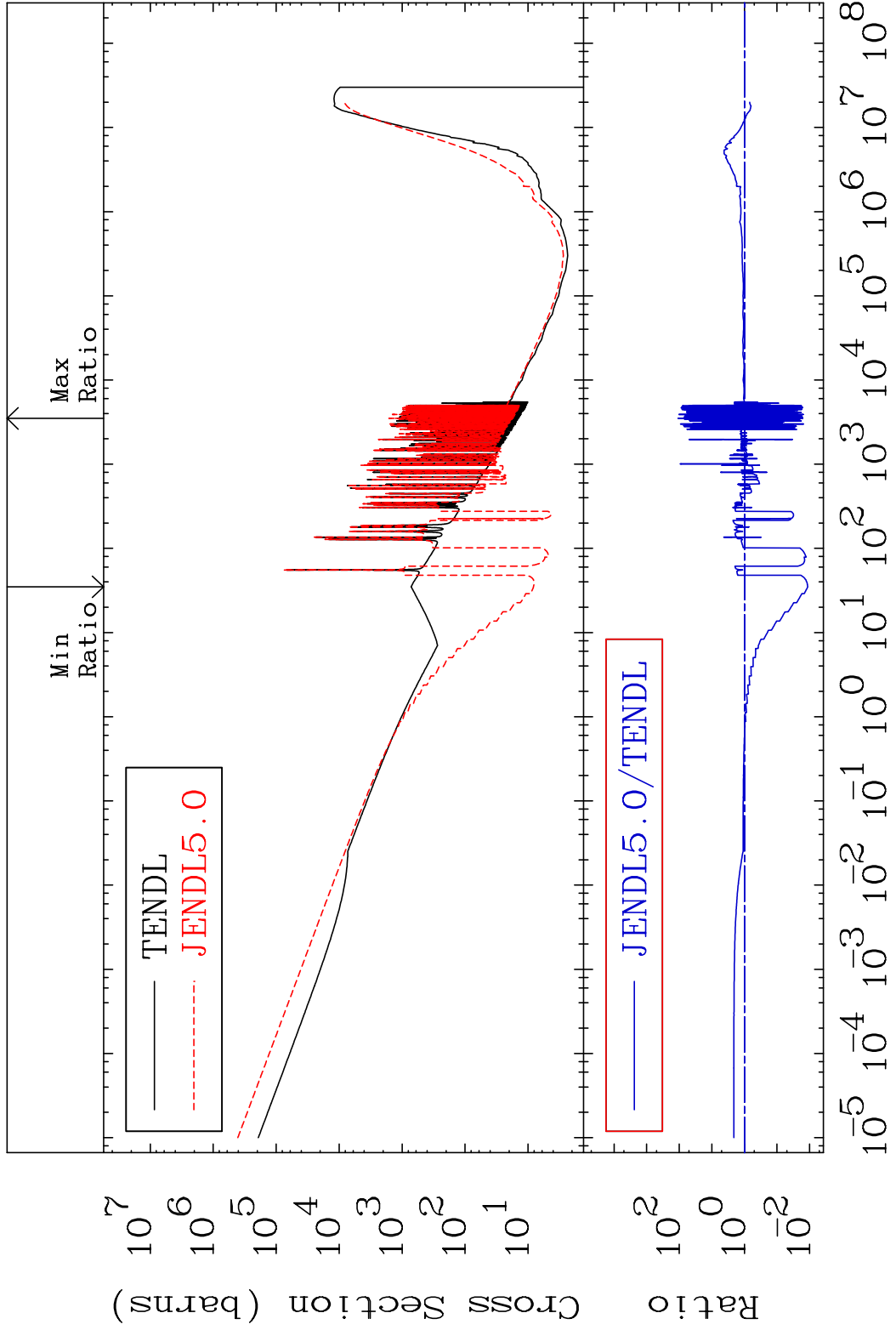


MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143  
 Cross Section -69.85 To 9999. %



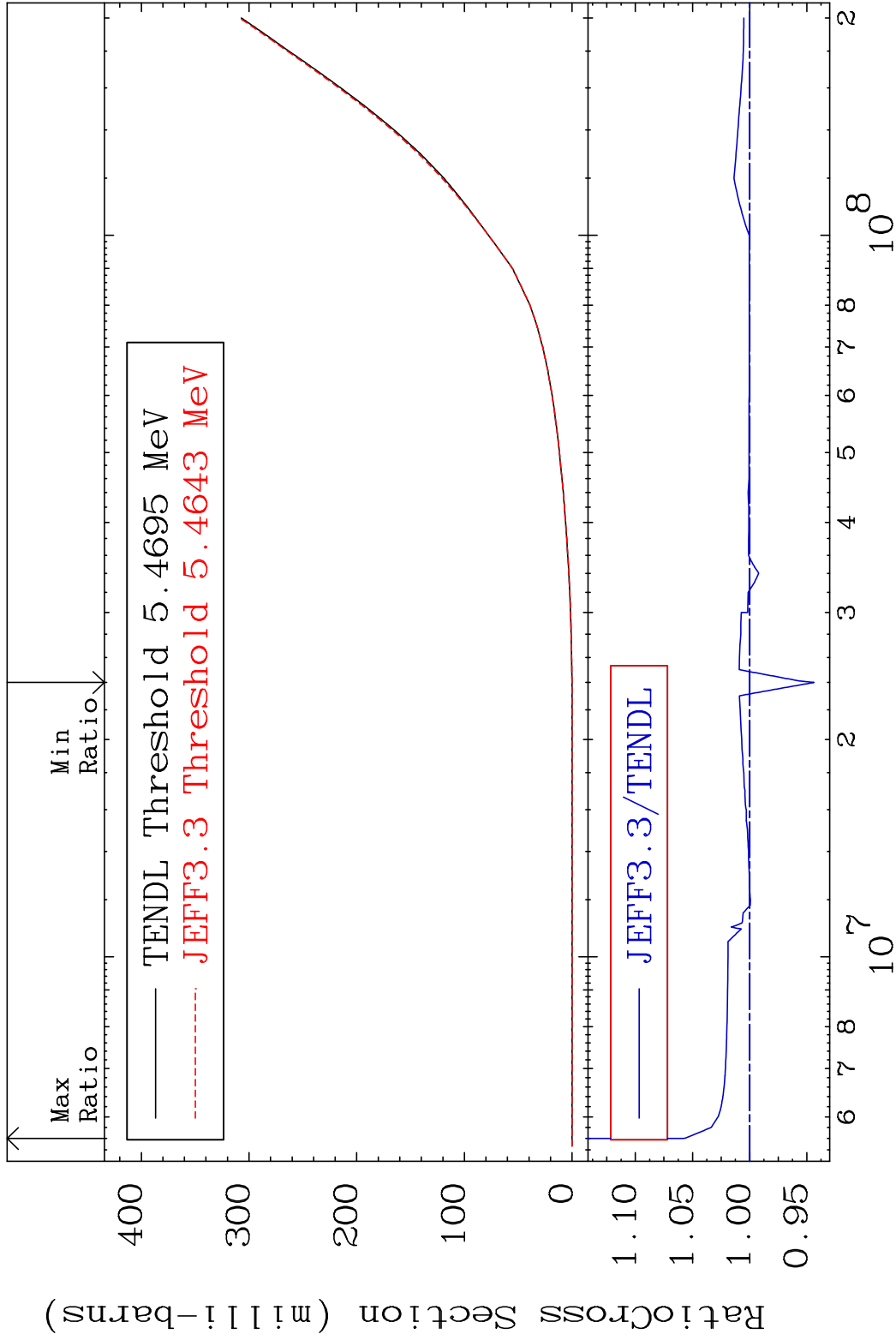
56 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143  
 Cross Section -98.86 To 9999. %



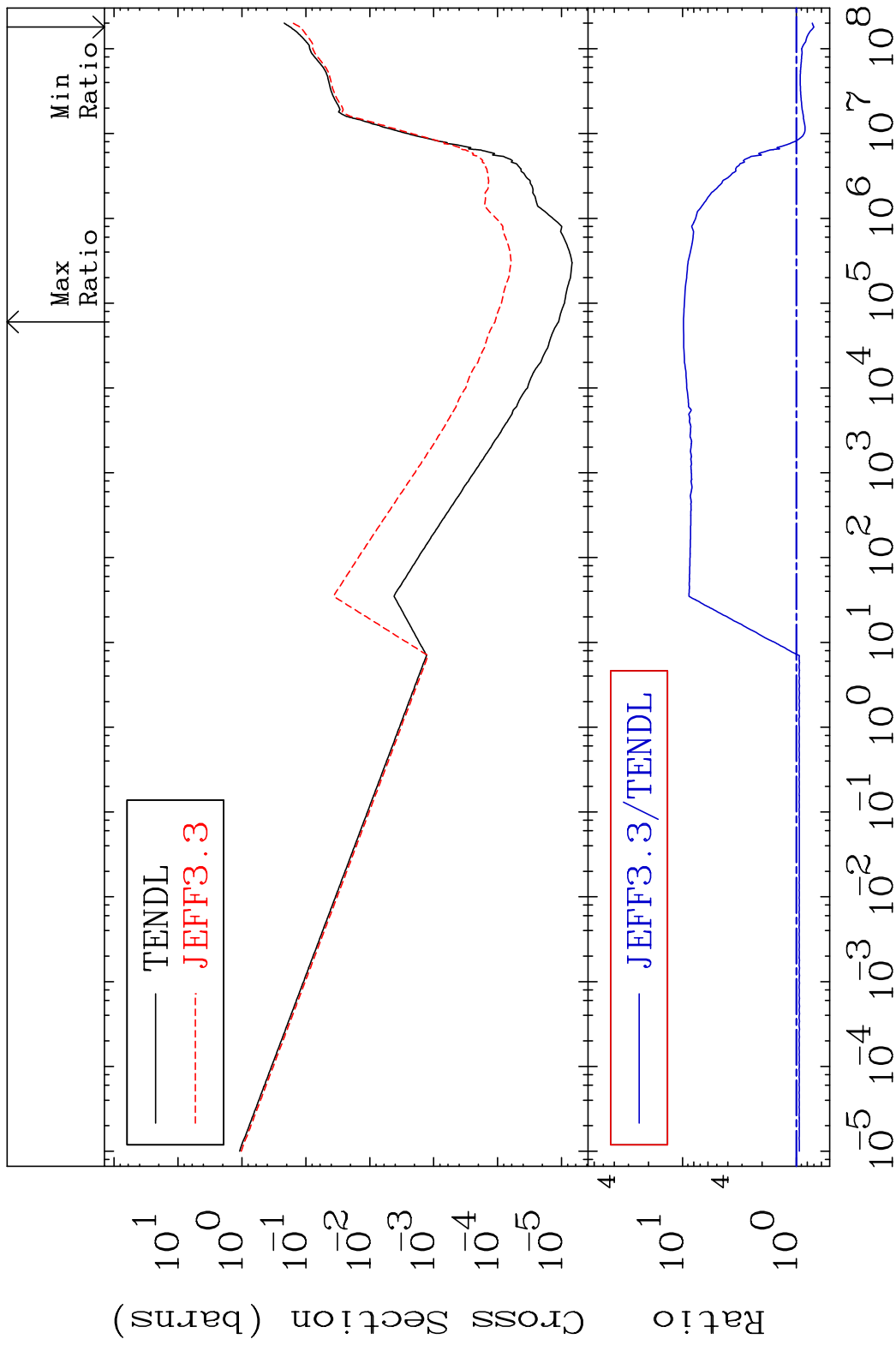
57 Incident Energy (eV) 60-Nd-143

MAT 6028 He-3 Production 60-Nd-143  
 Cross Section -5.618 To 5.794 %



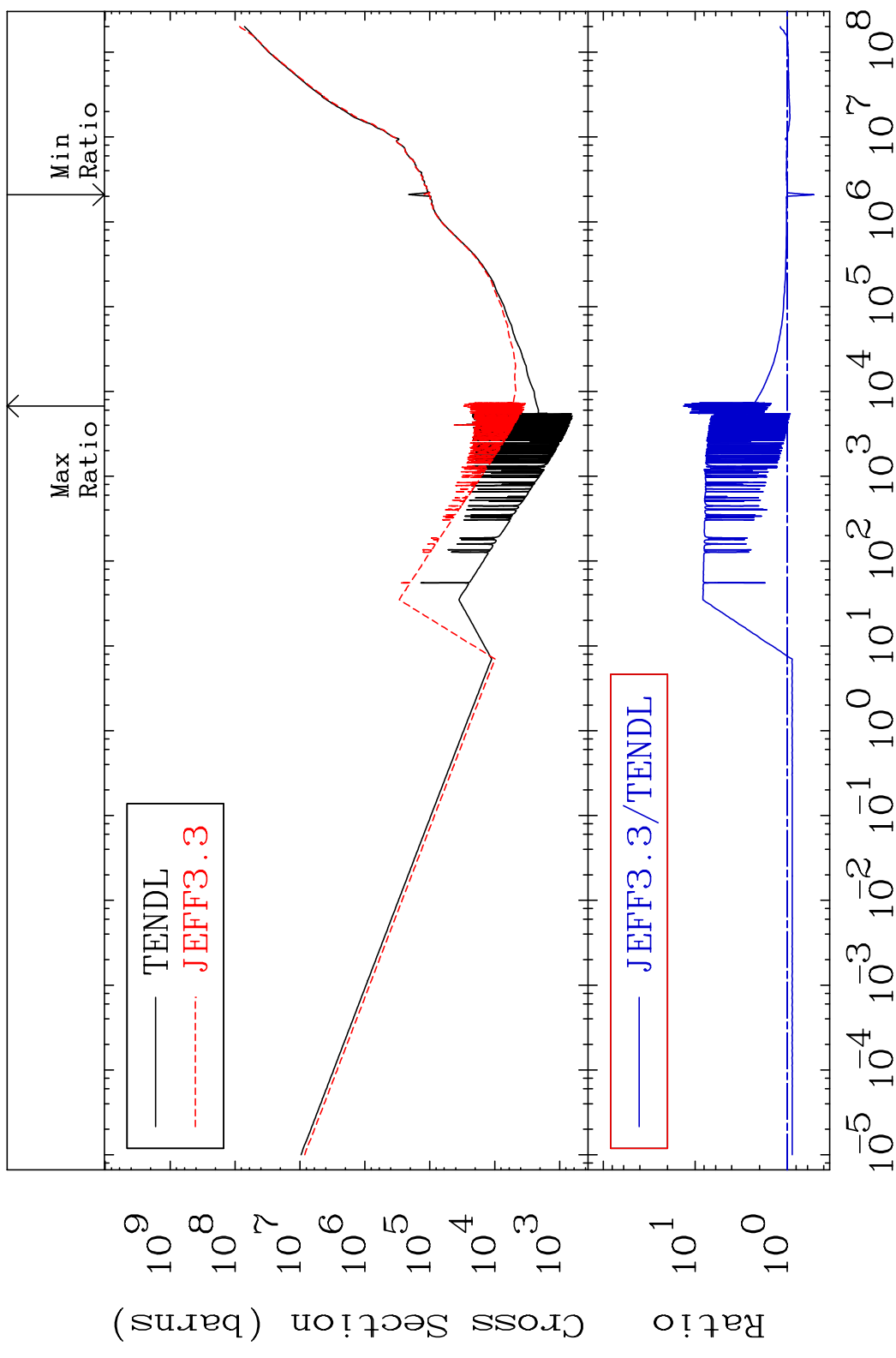
58 60-Nd-143

MAT 6028 He-4 Production 60-Nd-143  
 Cross Section -30.02 To 883.8 %



59 Incident Energy (eV) 60-Nd-143

MAT 6028 Kerma total (eV-barns) 60-Nd-143  
 Cross Section -48.78 To 1242. %

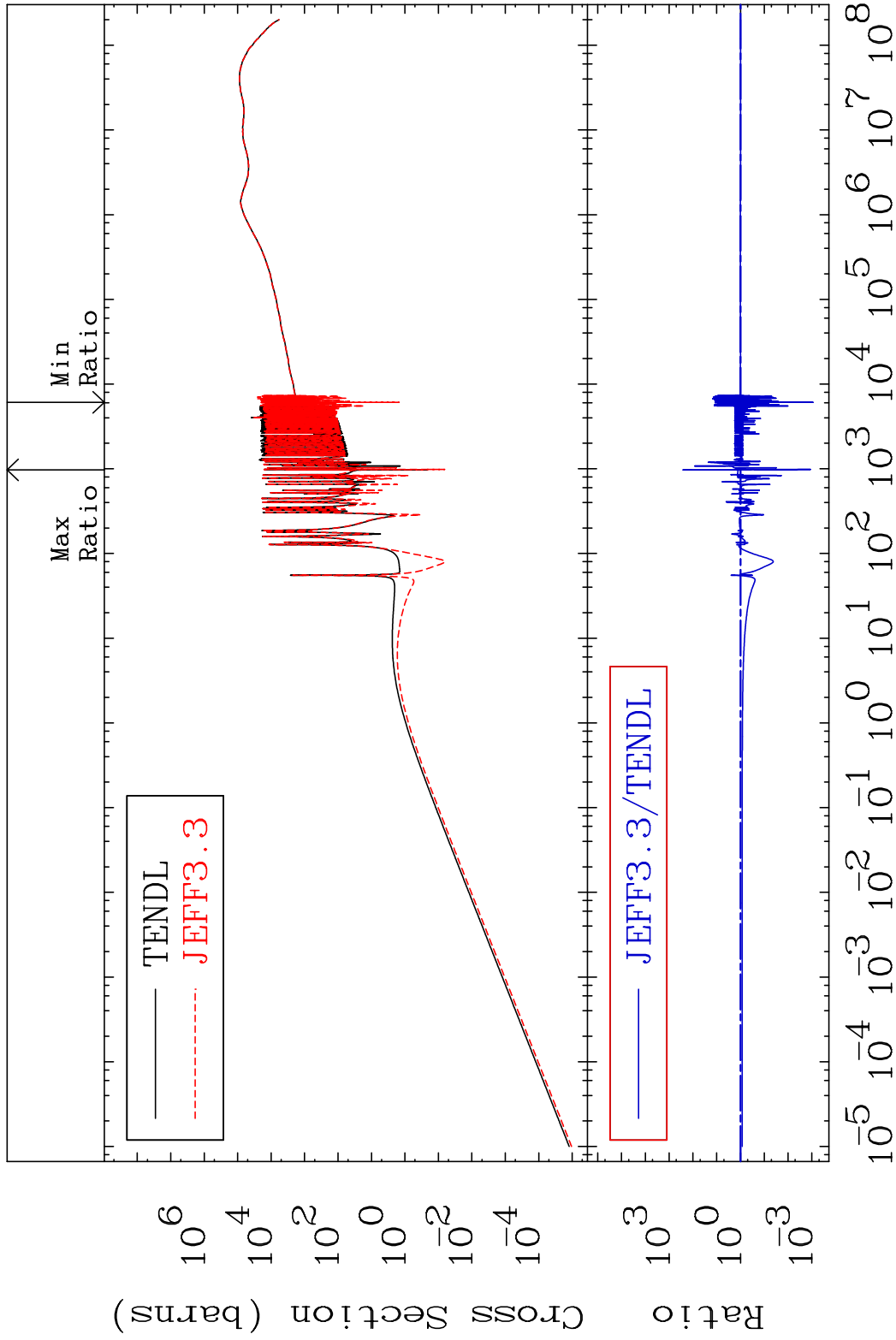


60 Incident Energy (eV) 60-Nd-143

MAT 6028

Kerma elastic  
Cross Section

60-Nd-143  
-99.91 To 9999. %

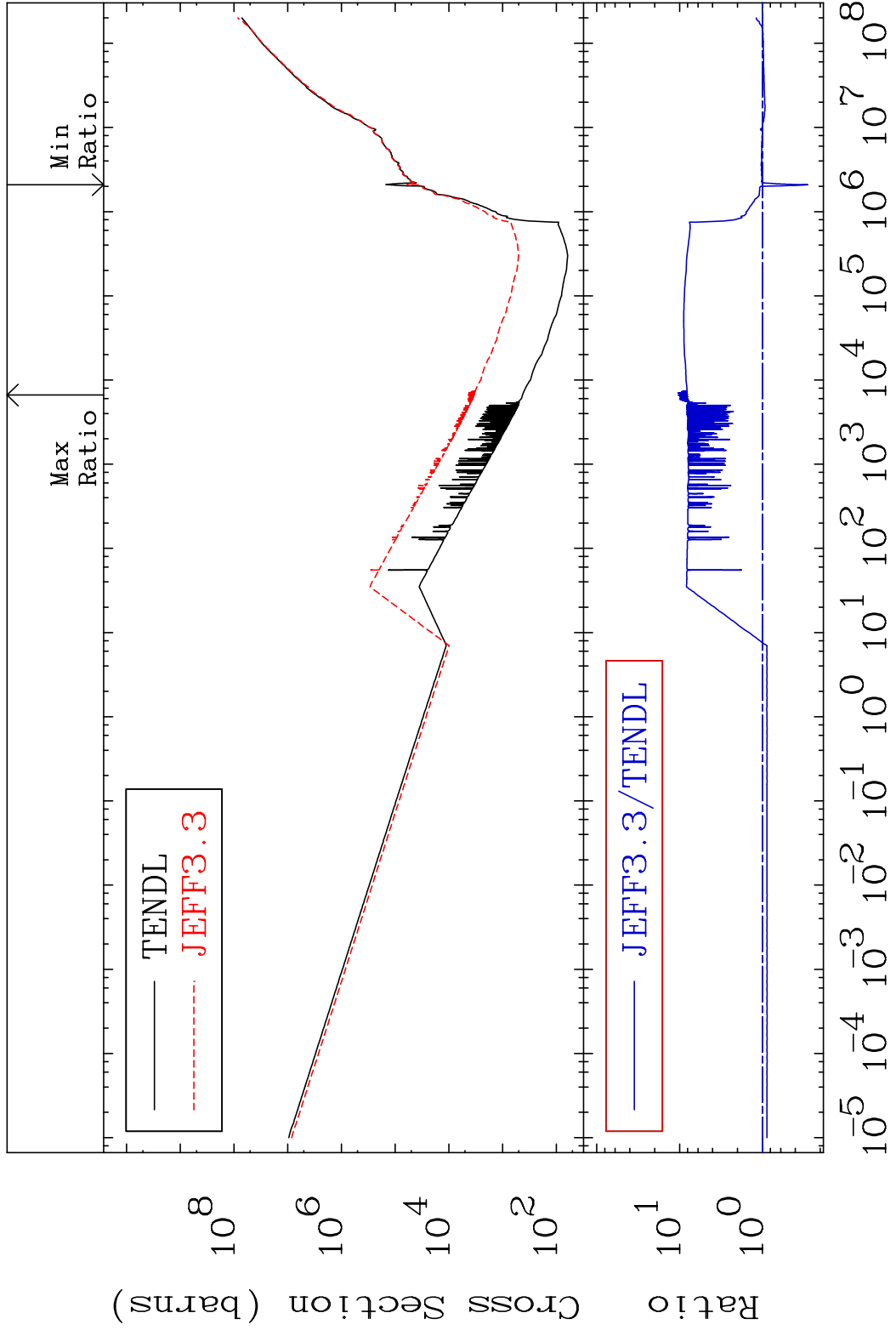


61

Incident Energy (eV)

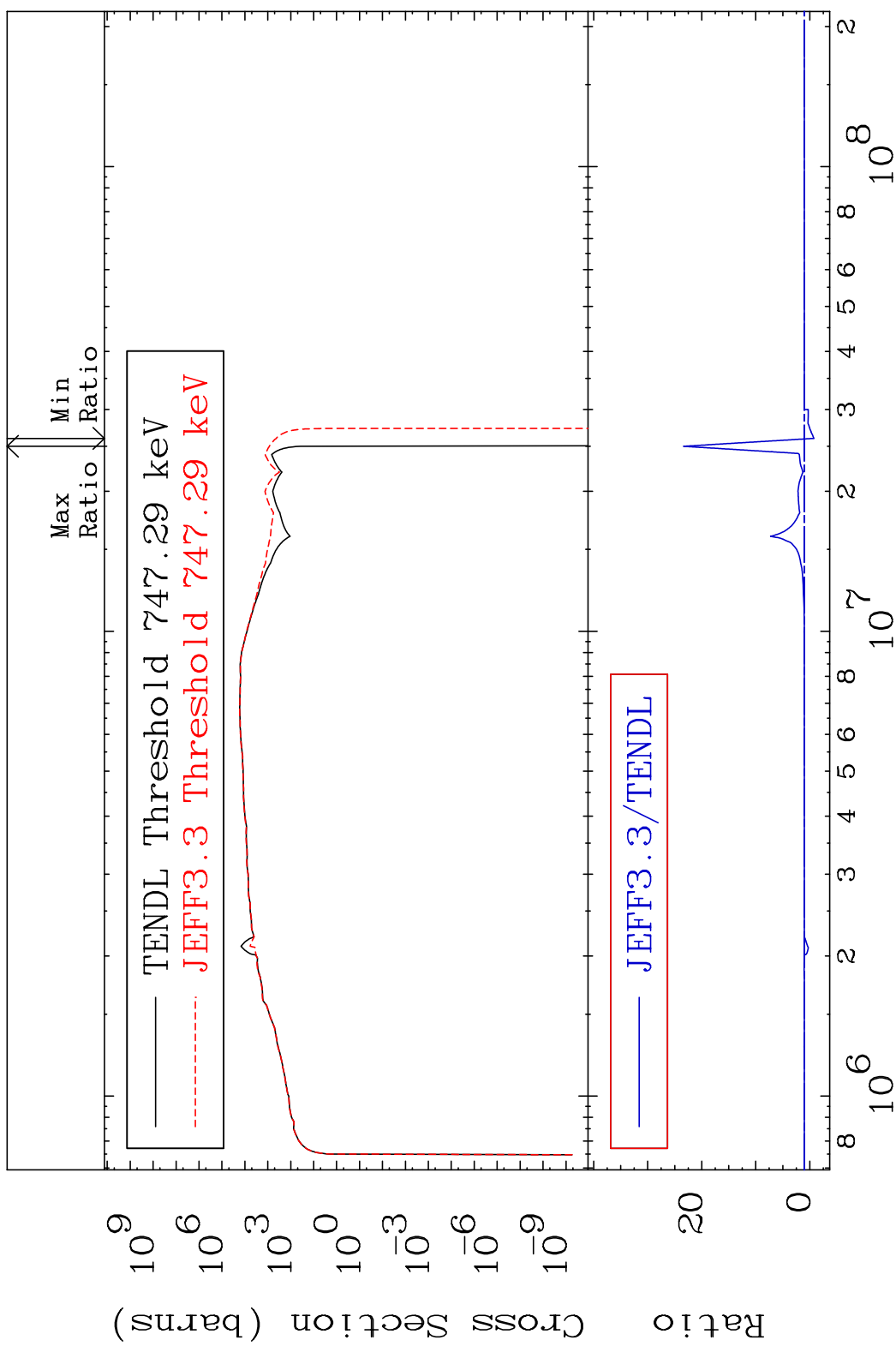
60-Nd-143

MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143  
 Cross Section -71.61 To 937.7 %



62 Incident Energy (eV) 60-Nd-143

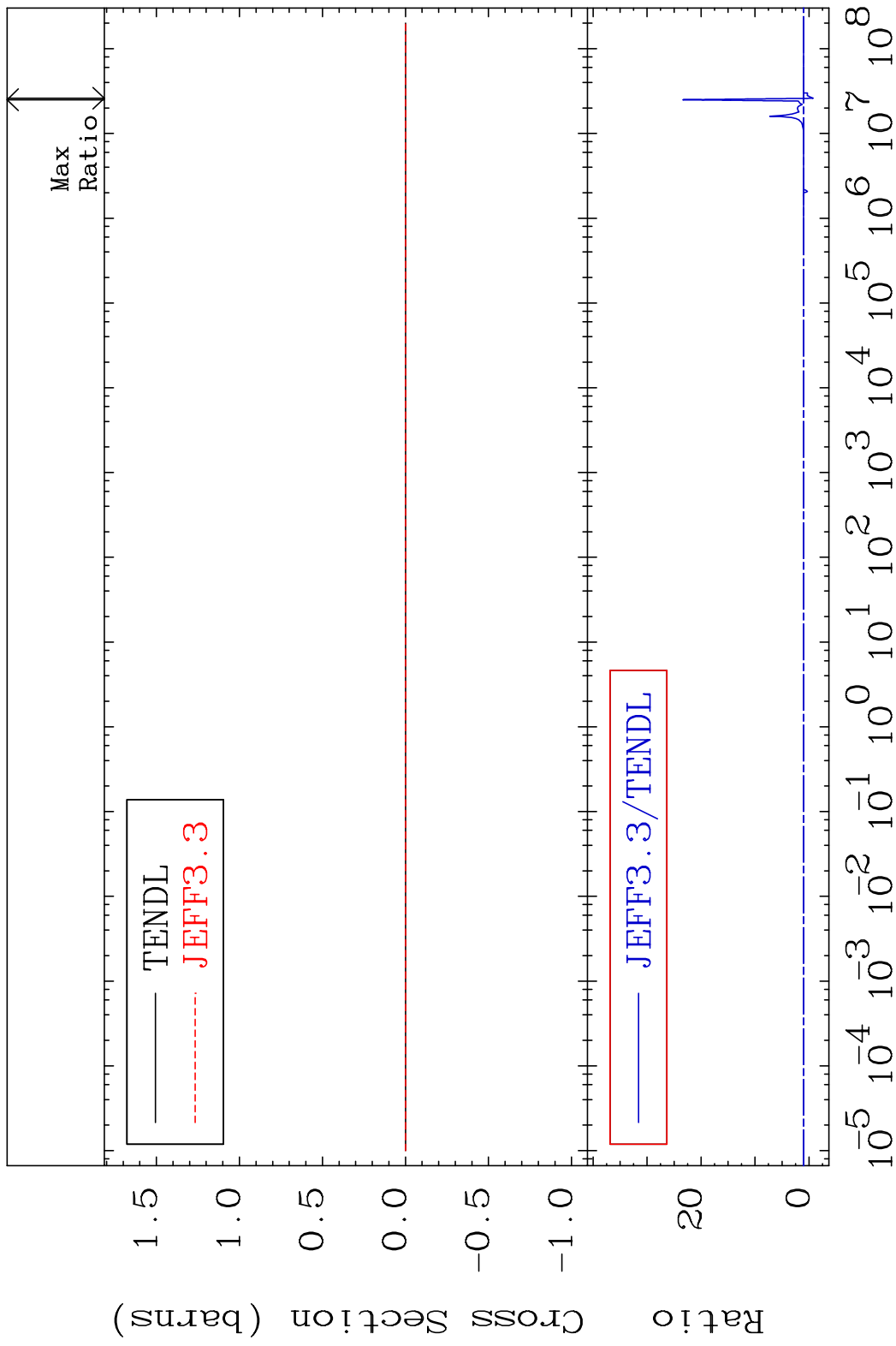
MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143  
Cross Section -176.2 To 2238. %



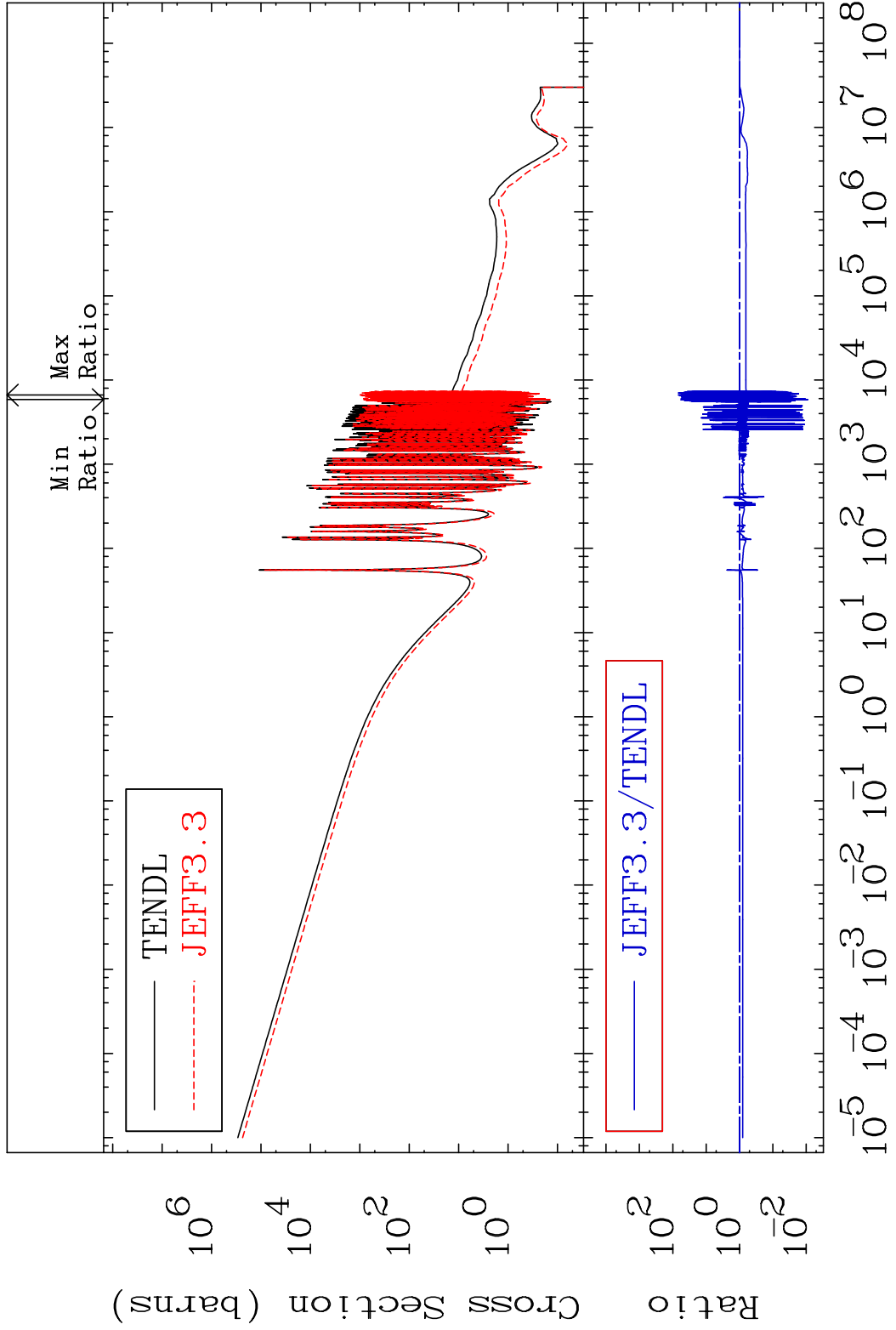
63 Incident Energy (eV) 60-Nd-143



MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143  
Cross Section -176.2 To 2238. %

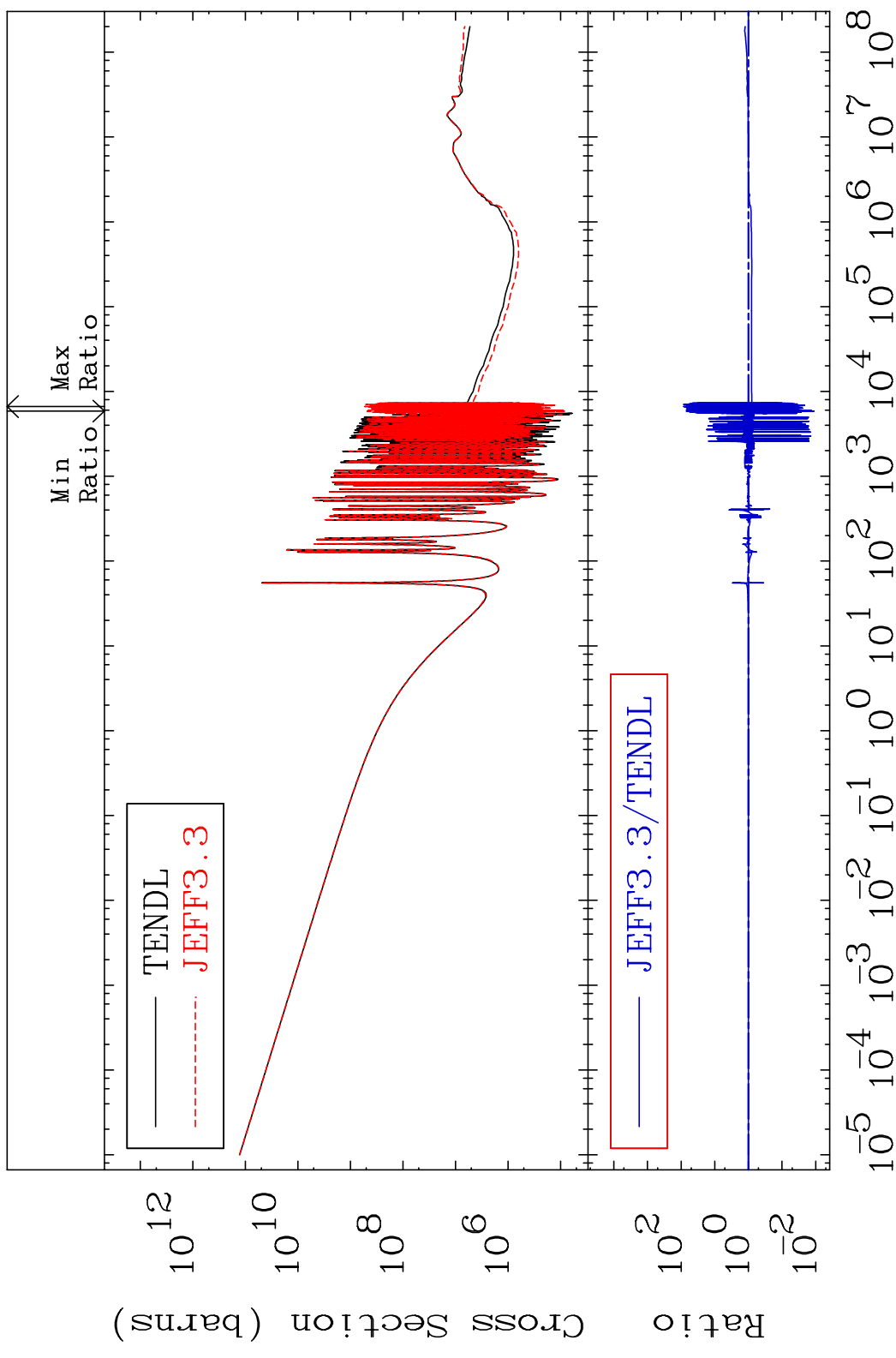


MAT 6028 Kerma capture (mt102) 60-Nd-143  
Cross Section -99.10 To 6742. %



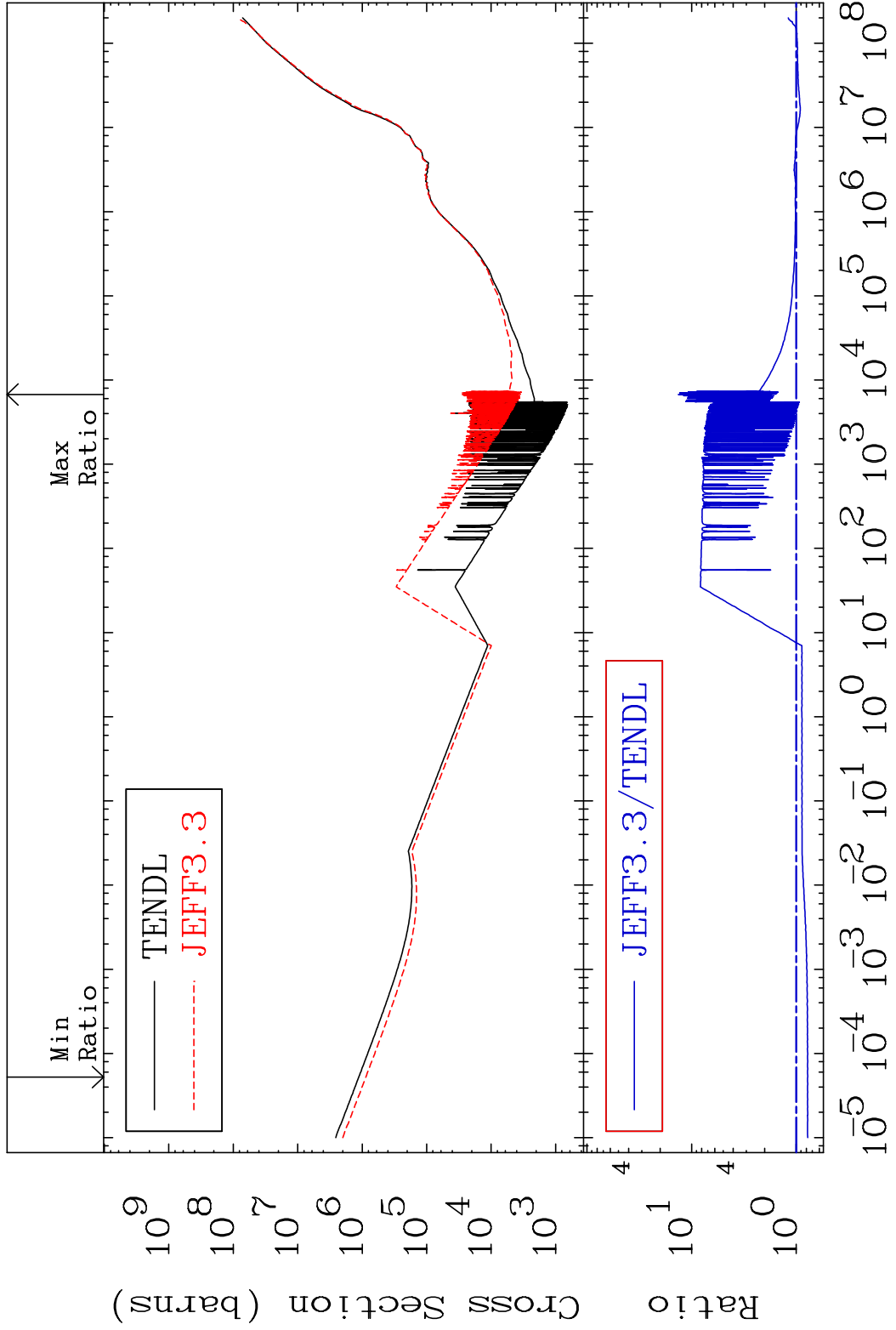
65 Incident Energy (eV) 60-Nd-143

MAT 6028 Total photon (eV-barns) 60-Nd-143  
 Cross Section -98.87 To 8407. %



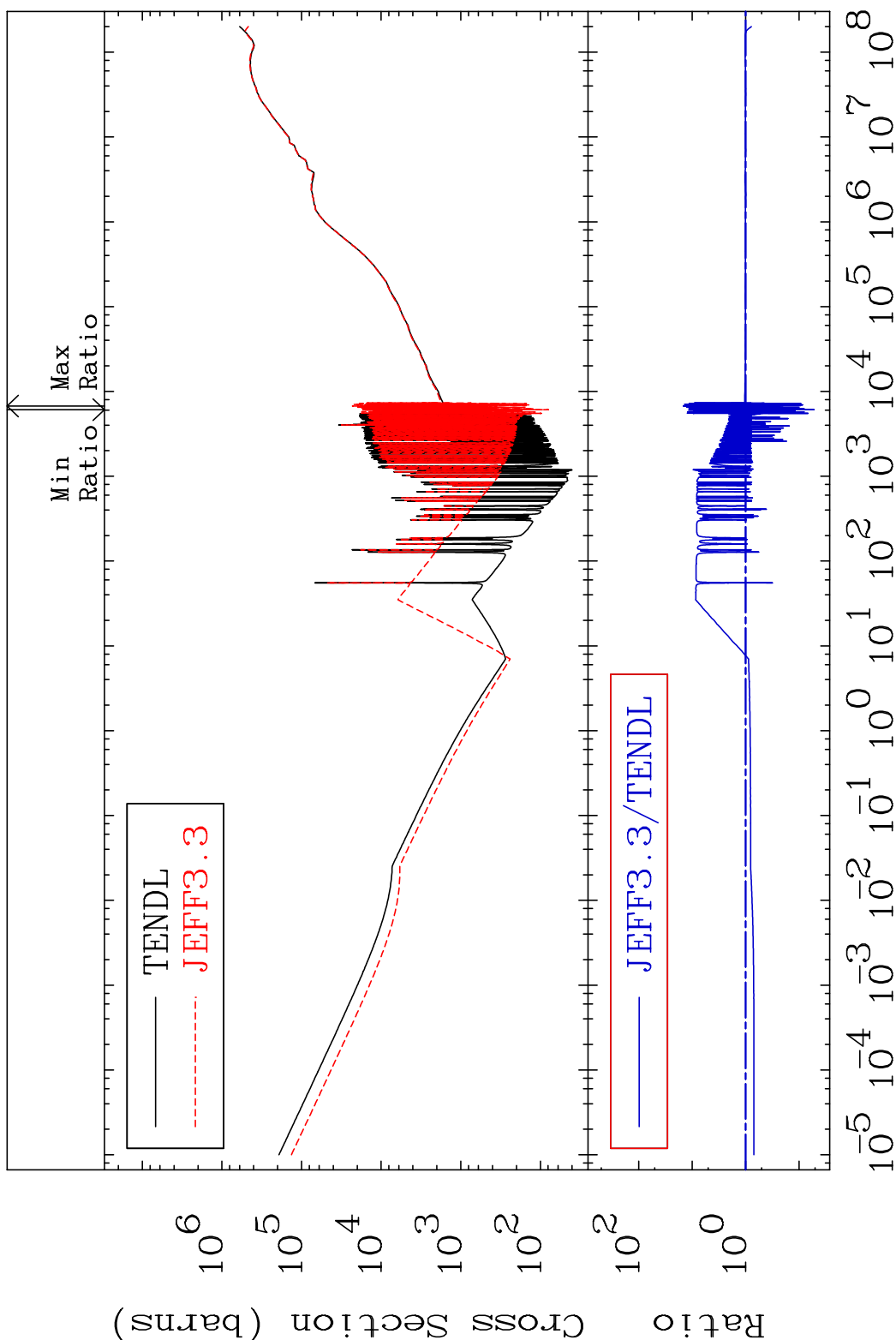
66 Incident Energy (eV) 60-Nd-143

MAT 6028 Total kinematic kerma (high limit) 60-Nd-143  
 Cross Section -22.43 To 1241. %



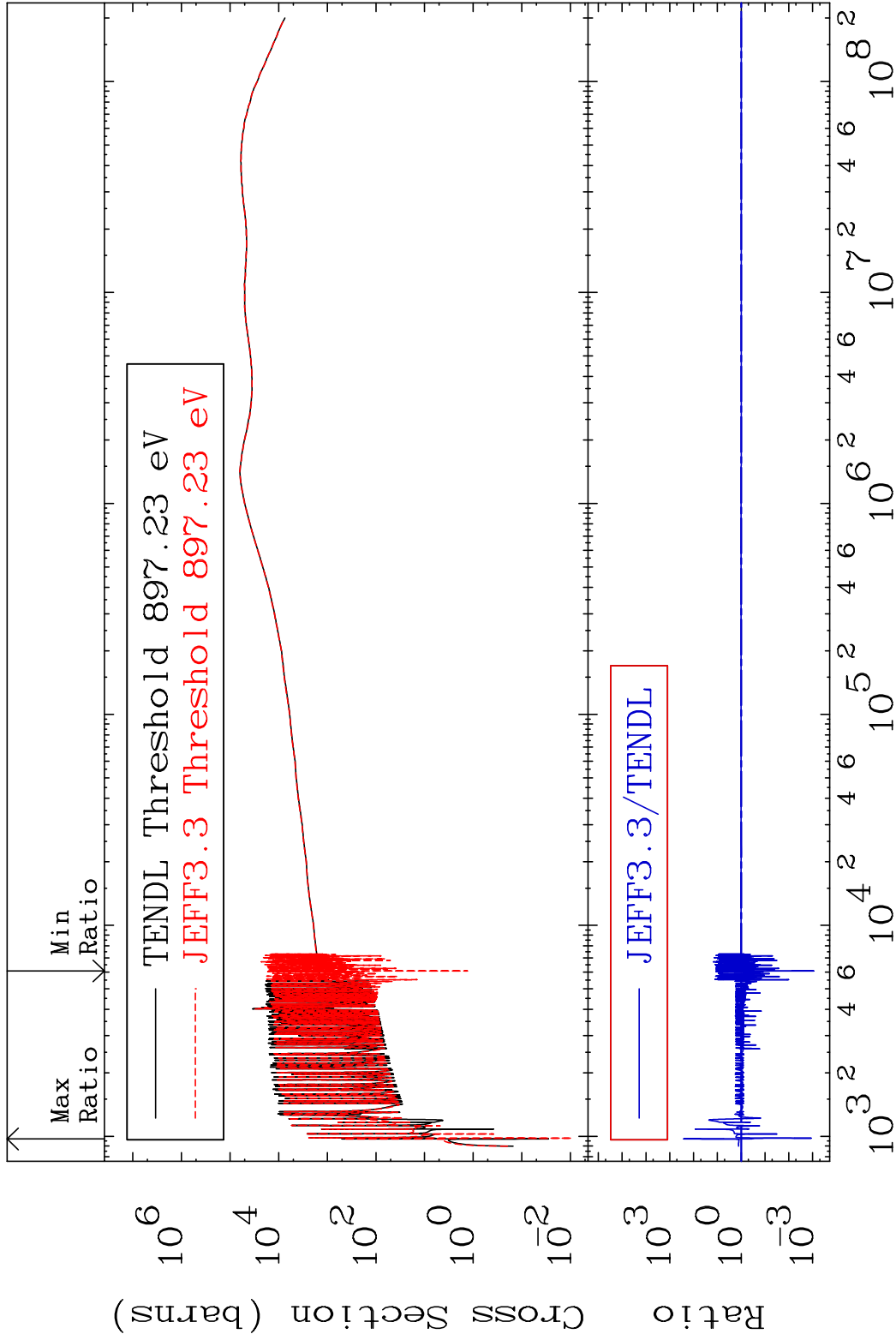
67 Incident Energy (eV) 60-Nd-143

MAT 6028      Dpa total (eV-barns)      60-Nd-143  
 Cross Section      -94.72 To 1353. %



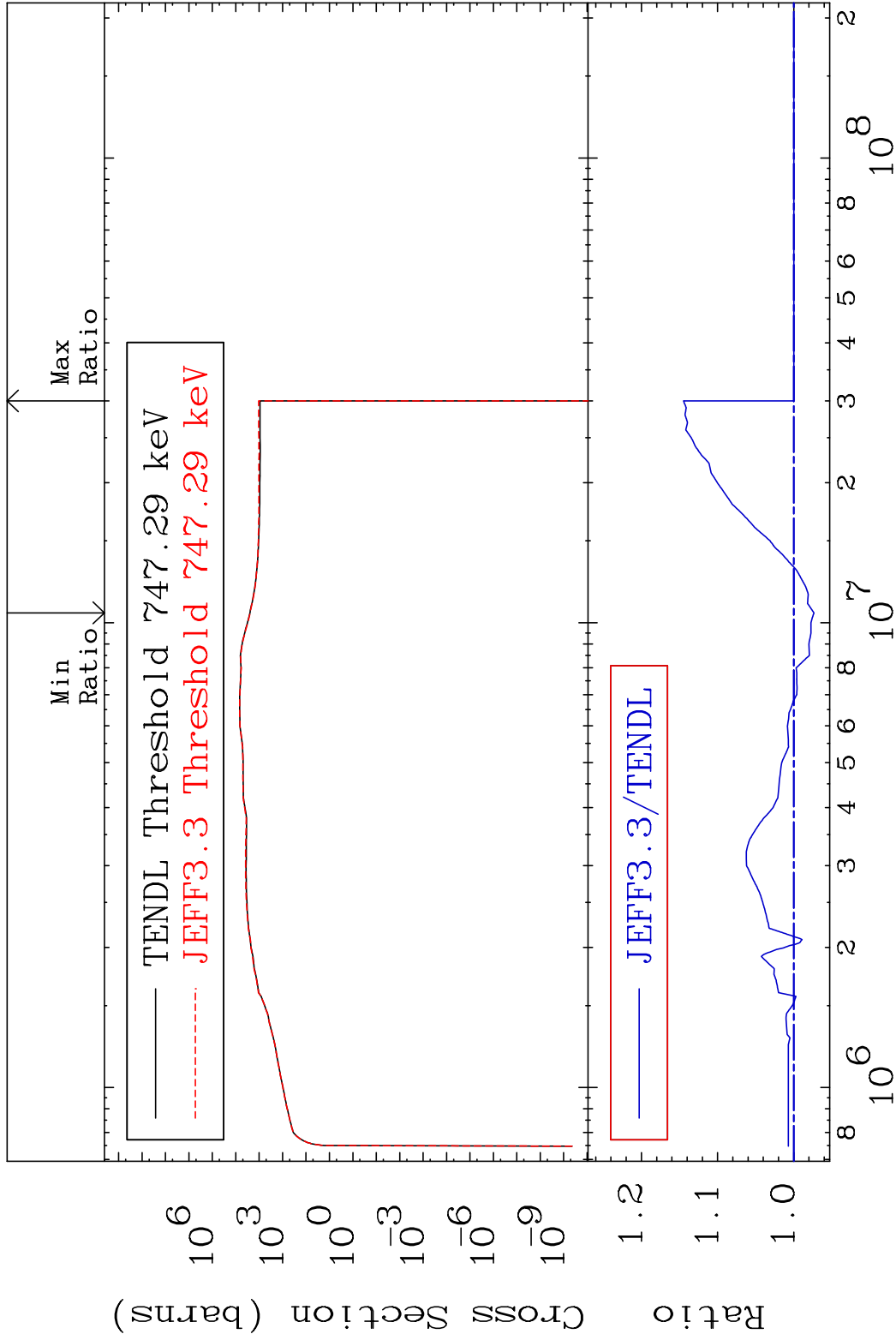
68      Incident Energy (eV)      60-Nd-143

MAT 6028 Dpa elastic (mt2) 60-Nd-143  
Cross Section -99.91 To 9999. %



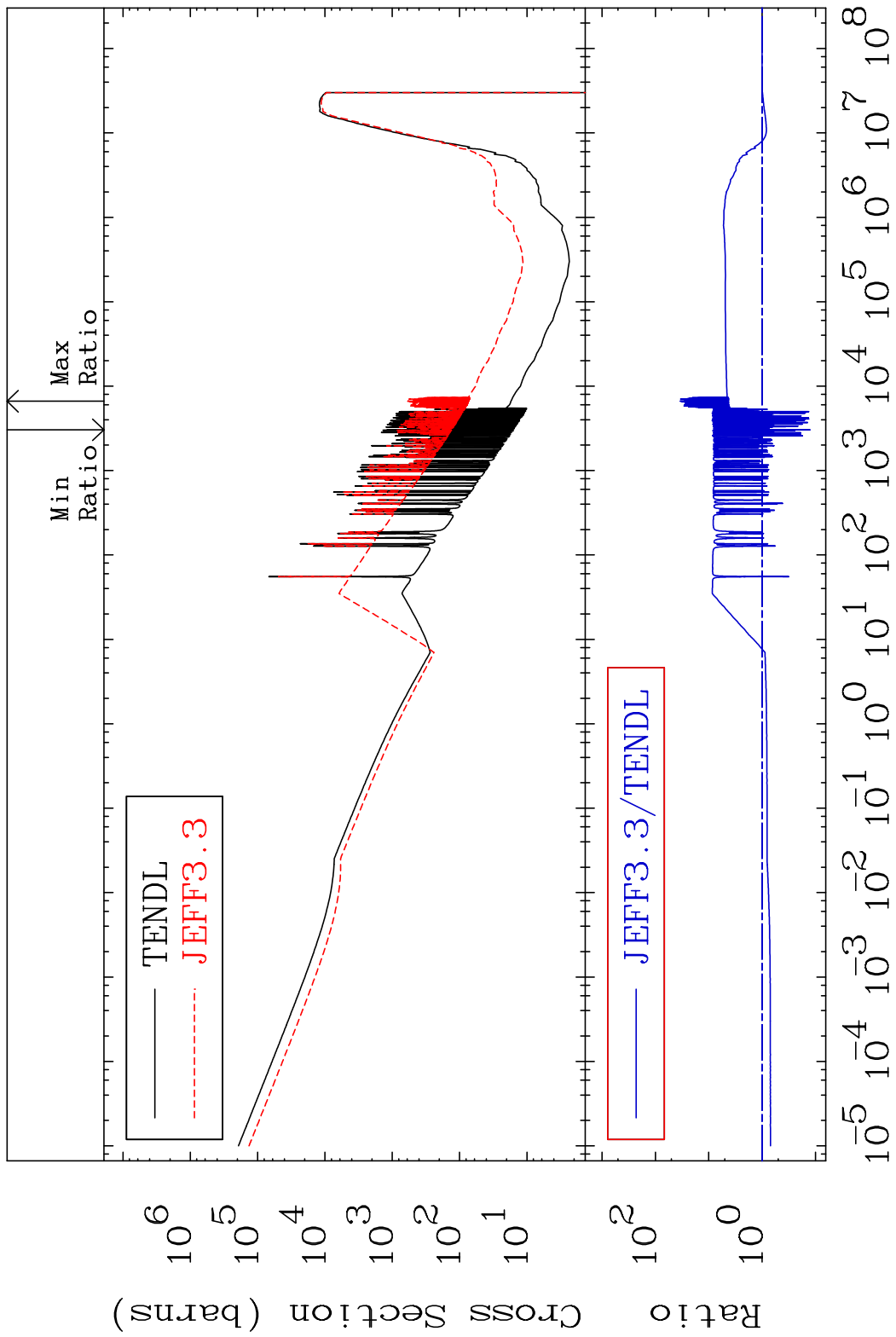
69 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143  
Cross Section -2.639 To 14.48 %



70 Incident Energy (eV) 60-Nd-143

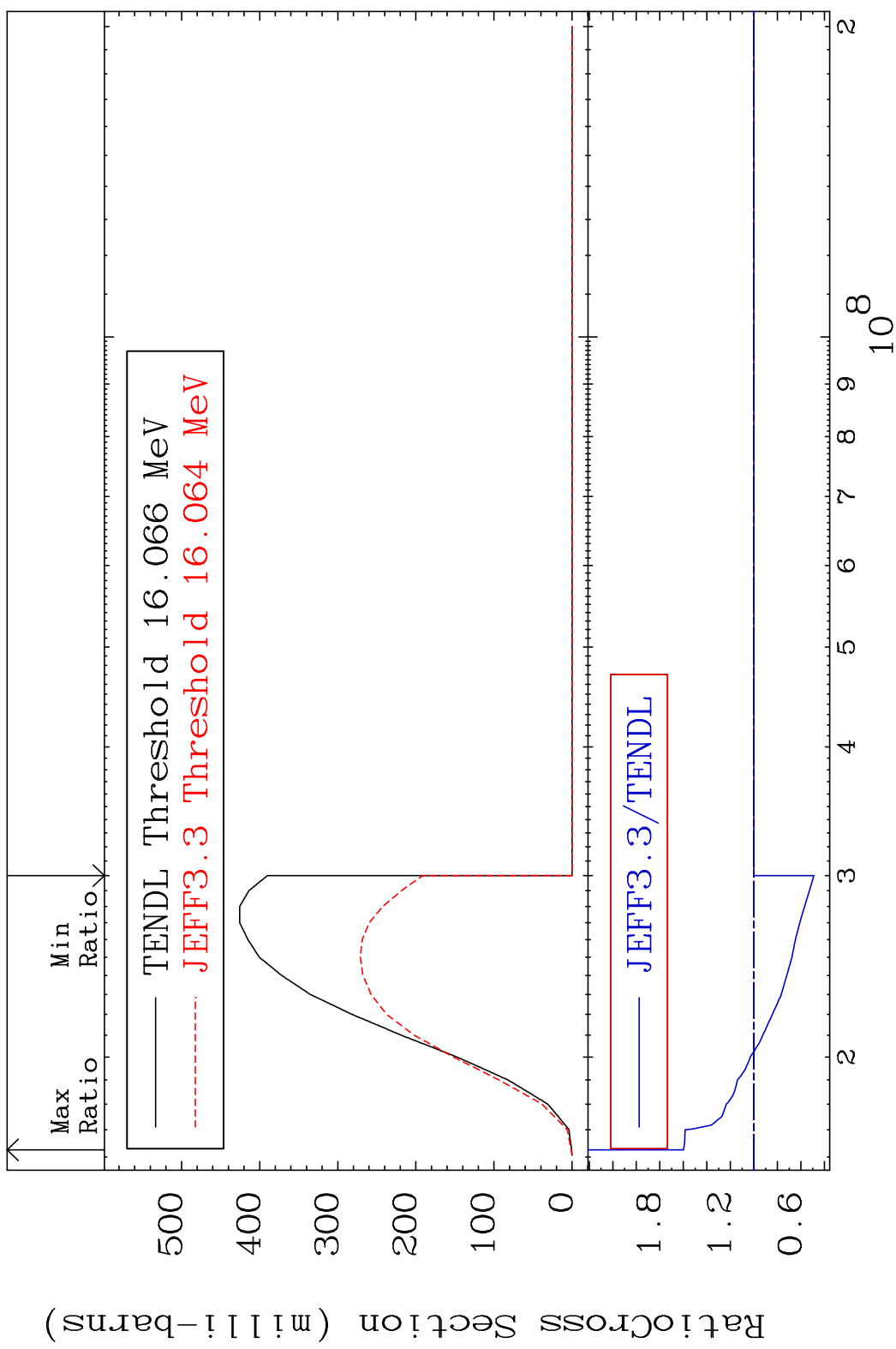
MAT 6028    Dpa disappearance (mt102 -120)    60-Nd-143  
Cross Section    -87.36 To 3321.    %



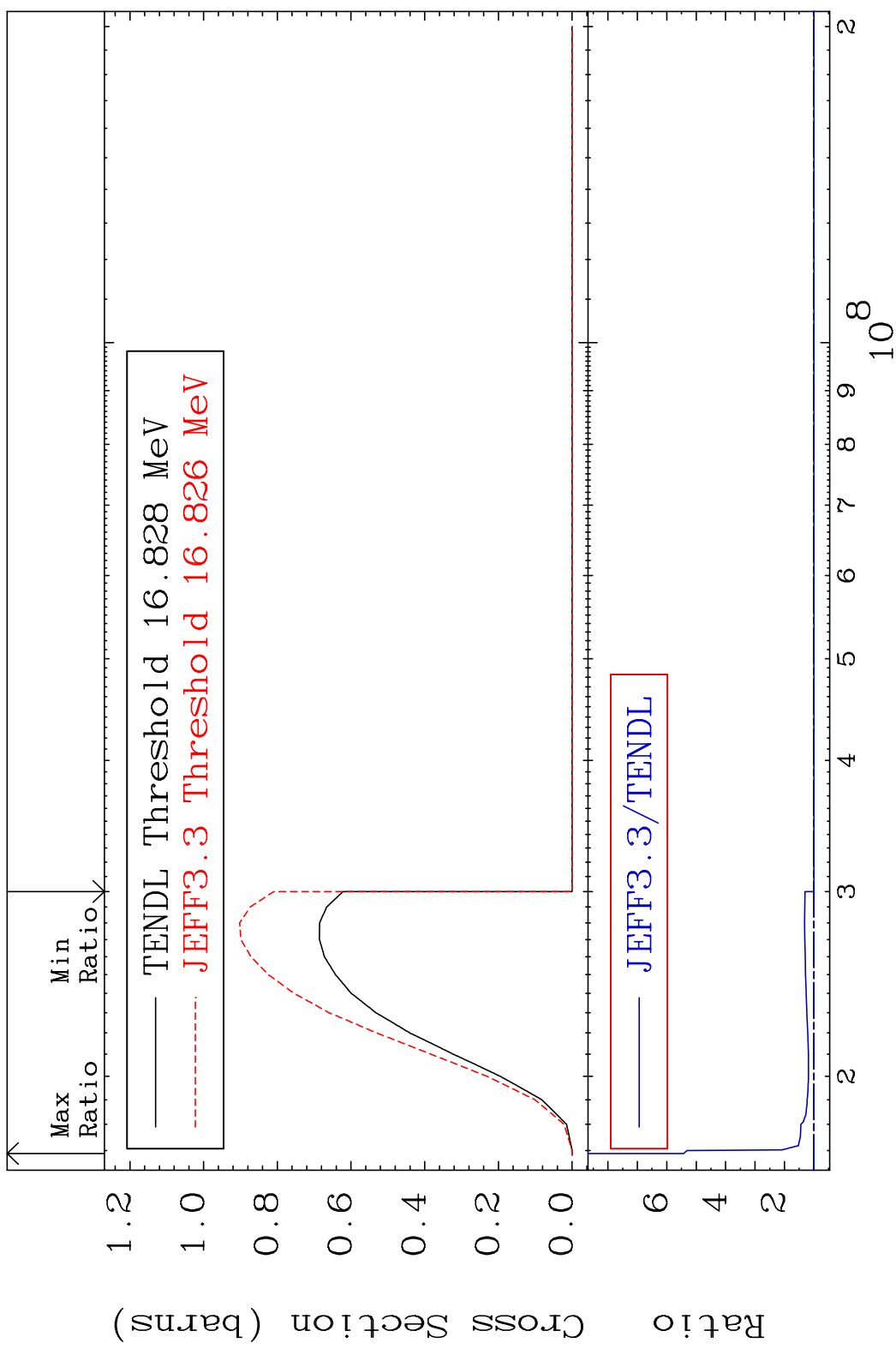
71                      Incident Energy (eV)                      60-Nd-143



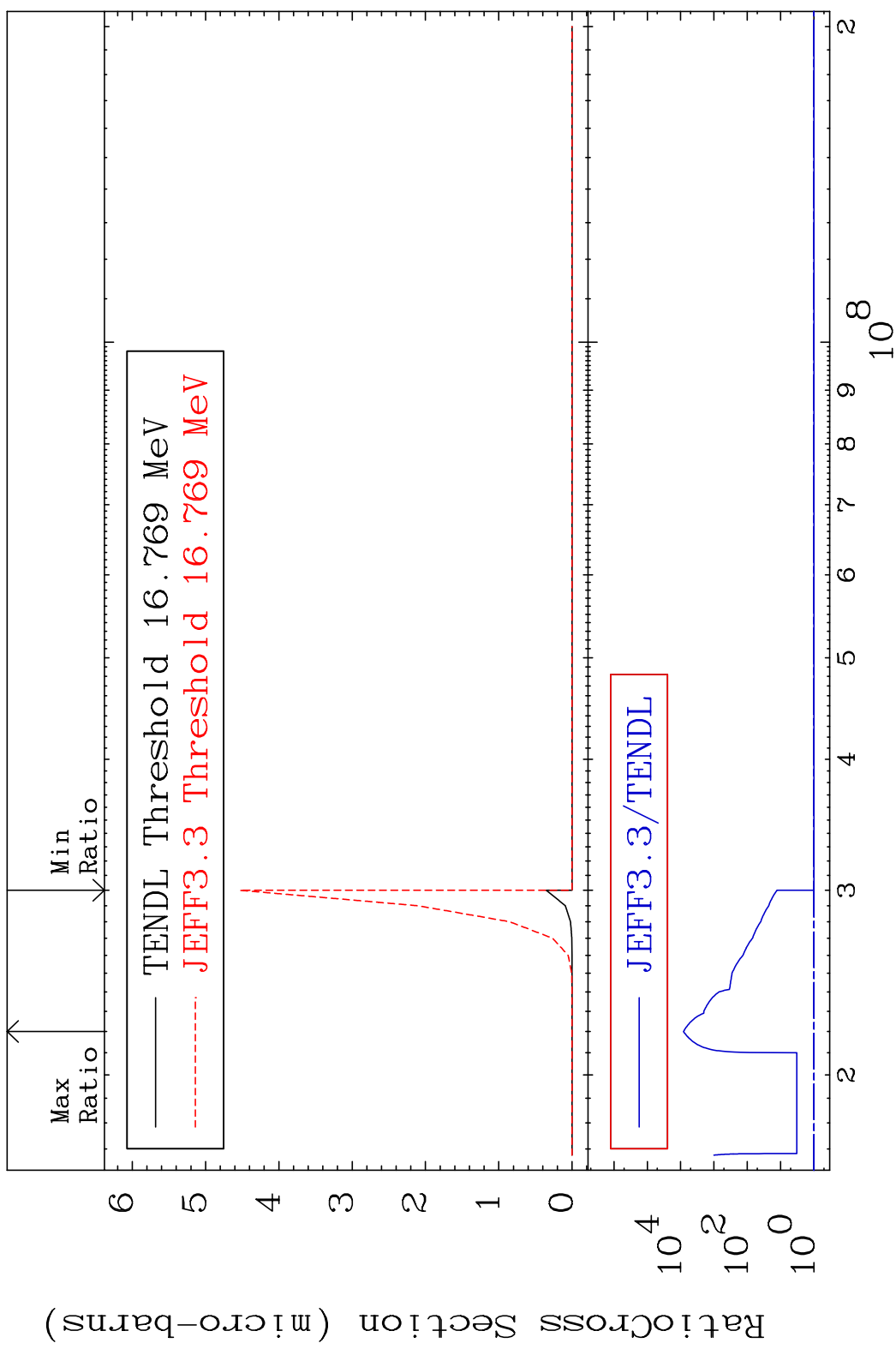
MAT 6028 (n,3n):60-Nd-141g 60-Nd-143  
 Radionuclide Production Cross Section 58.991 dpo 59.91 %



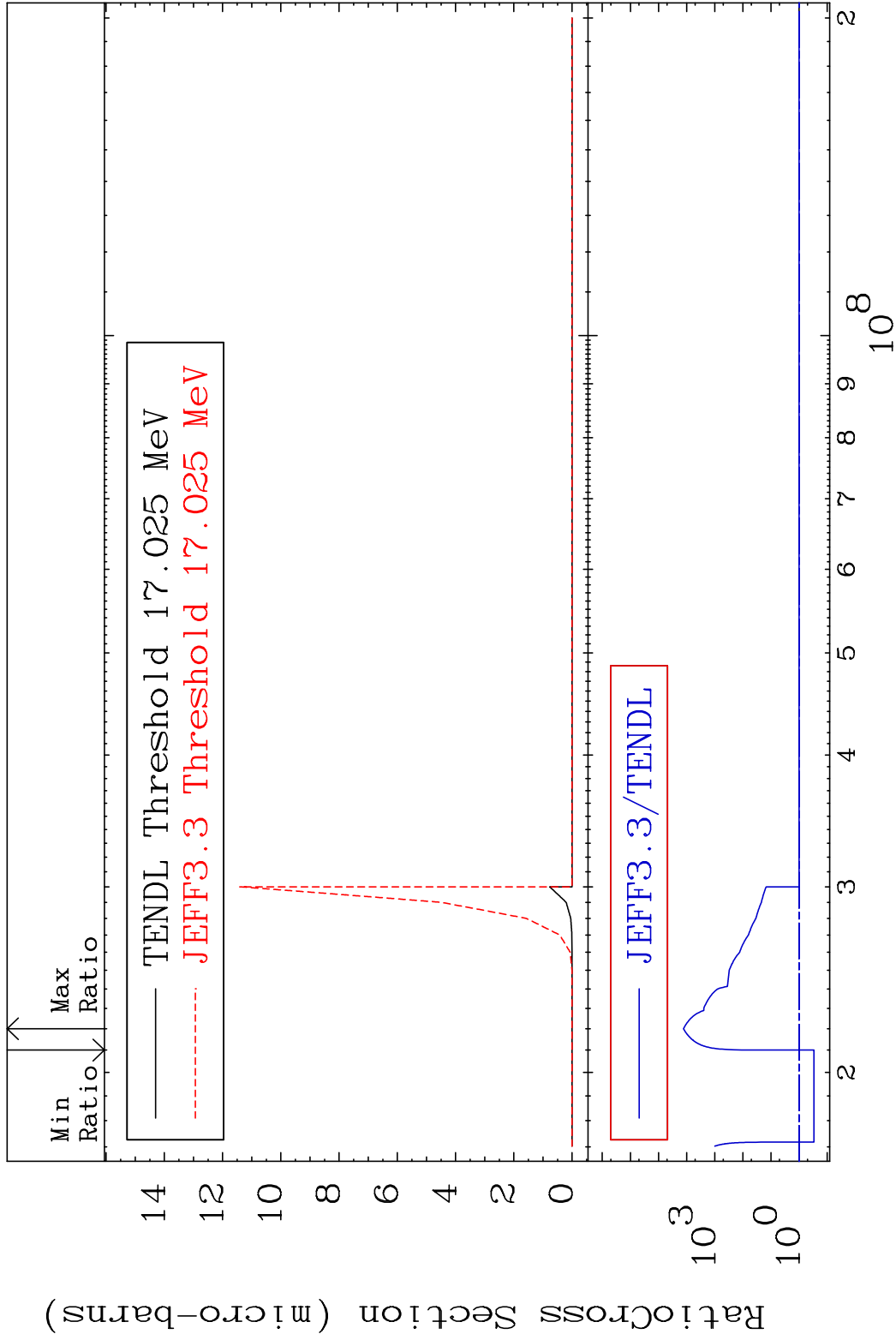
MAT 6028 (n, 3n): 60-Nd-141m2 60-Nd-143  
 Radionuclide Production Cross Section 443.3 %



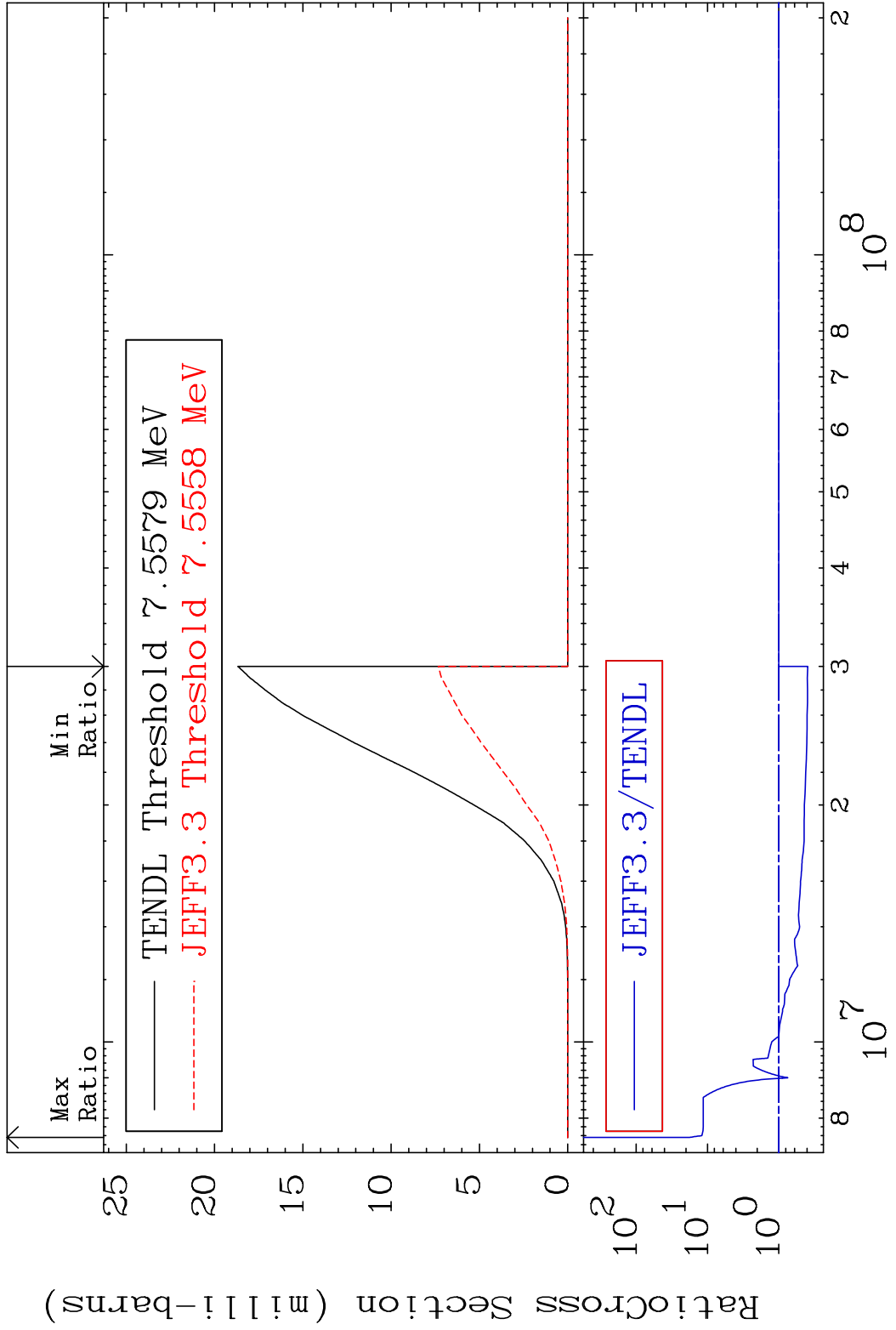
MAT 6028 (n,3n)  $\alpha$ :58-Ce-137g 60-Nd-143  
 Radionuclide Production Cross Section 9999. %



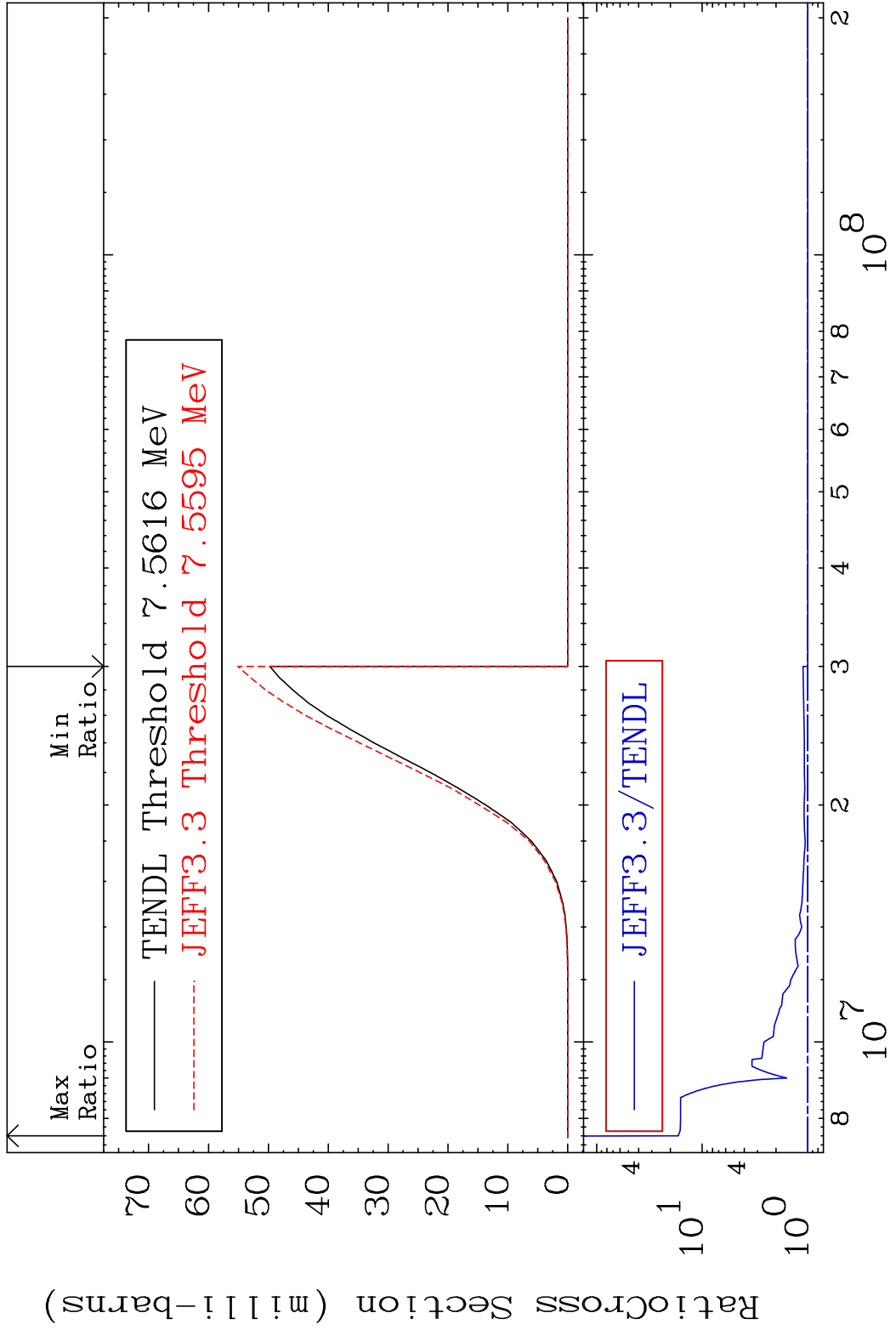
MAT 6028 (n,3n)  $\alpha$ :58-Ce-137m2 60-Nd-143  
 Radionuclide Production Cross Section



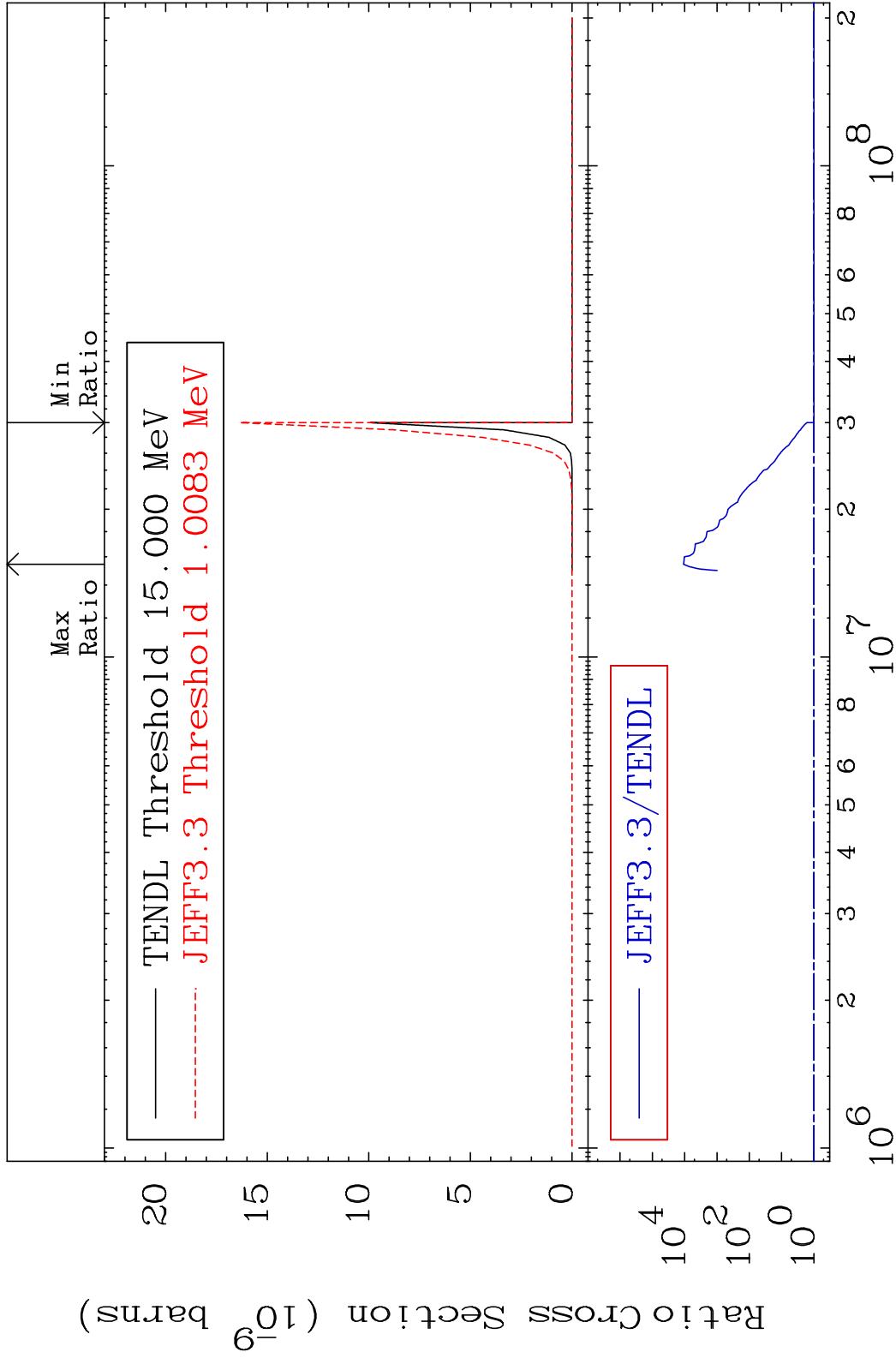
MAT 6028 (n, n') p:59-Pr-142g 60-Nd-143  
 Radionuclide Production Cross Section 68e74i d1o 2465. %



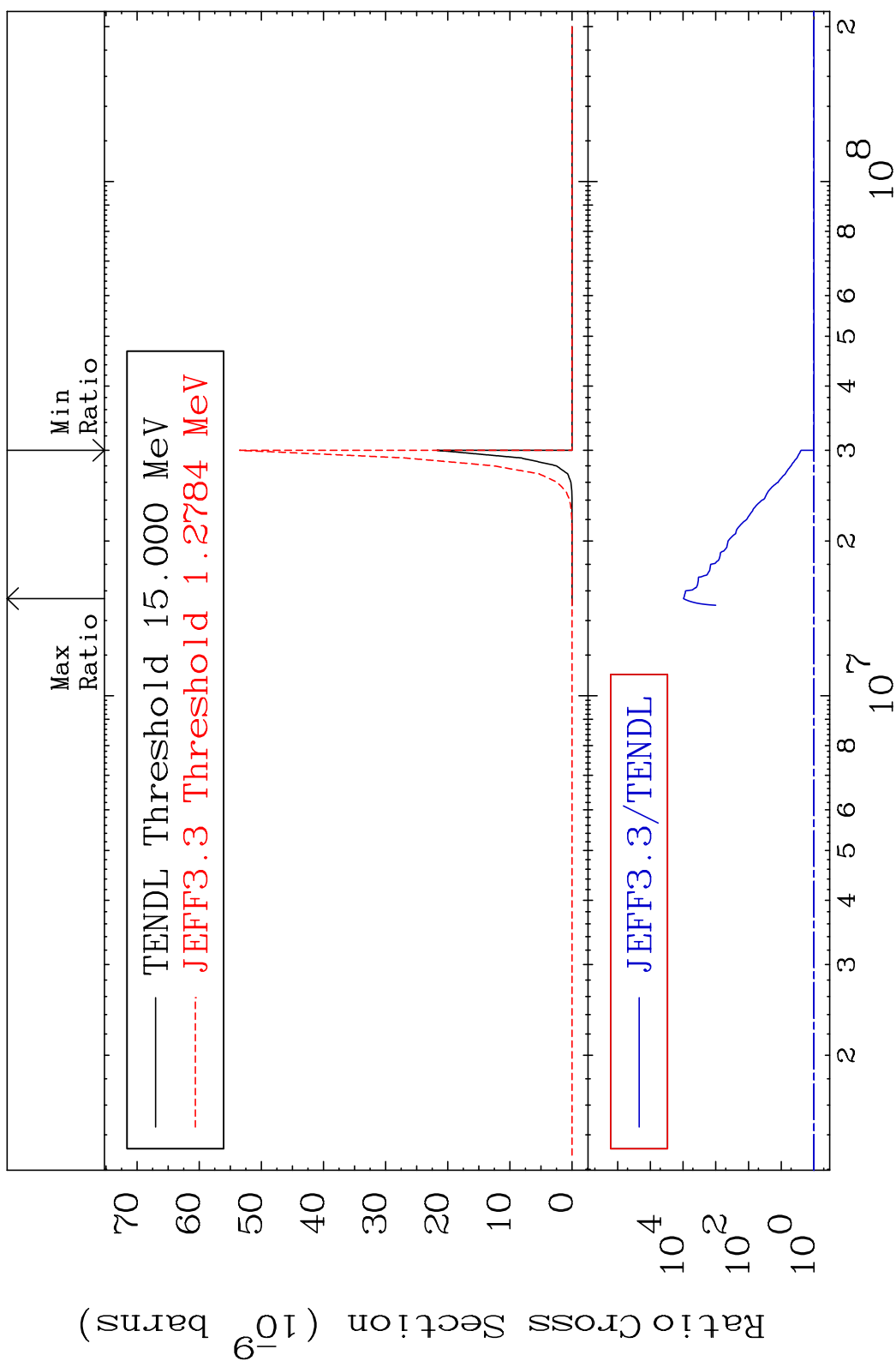
76 Incident Energy (eV) 60-Nd-143



MAT 6028 (n, n')  $^{2\alpha}$ :56-Ba-135g 60-Nd-143  
 Radionuclide Production Cross Section 9999. %

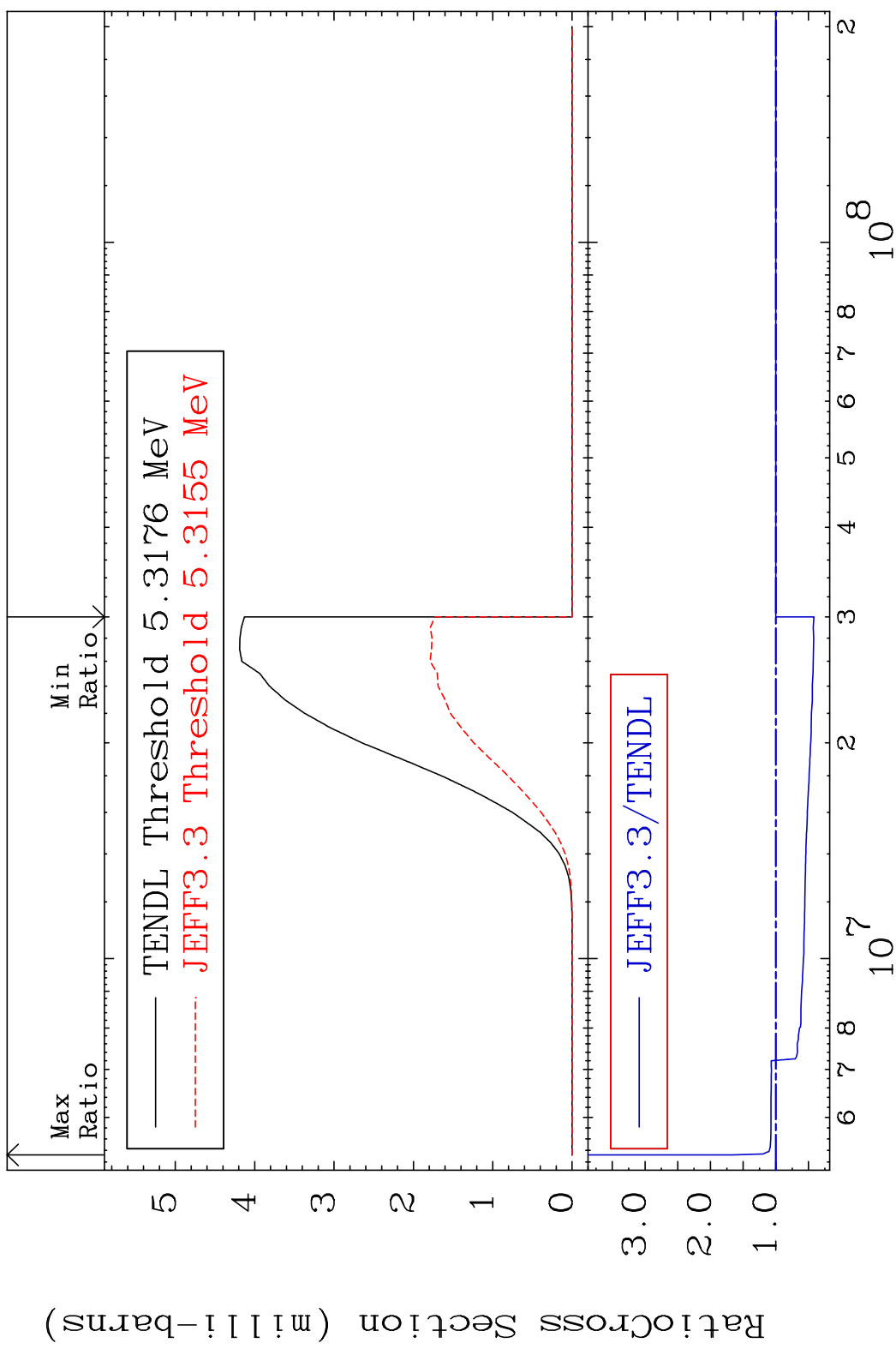


78 Incident Energy (eV) 60-Nd-143



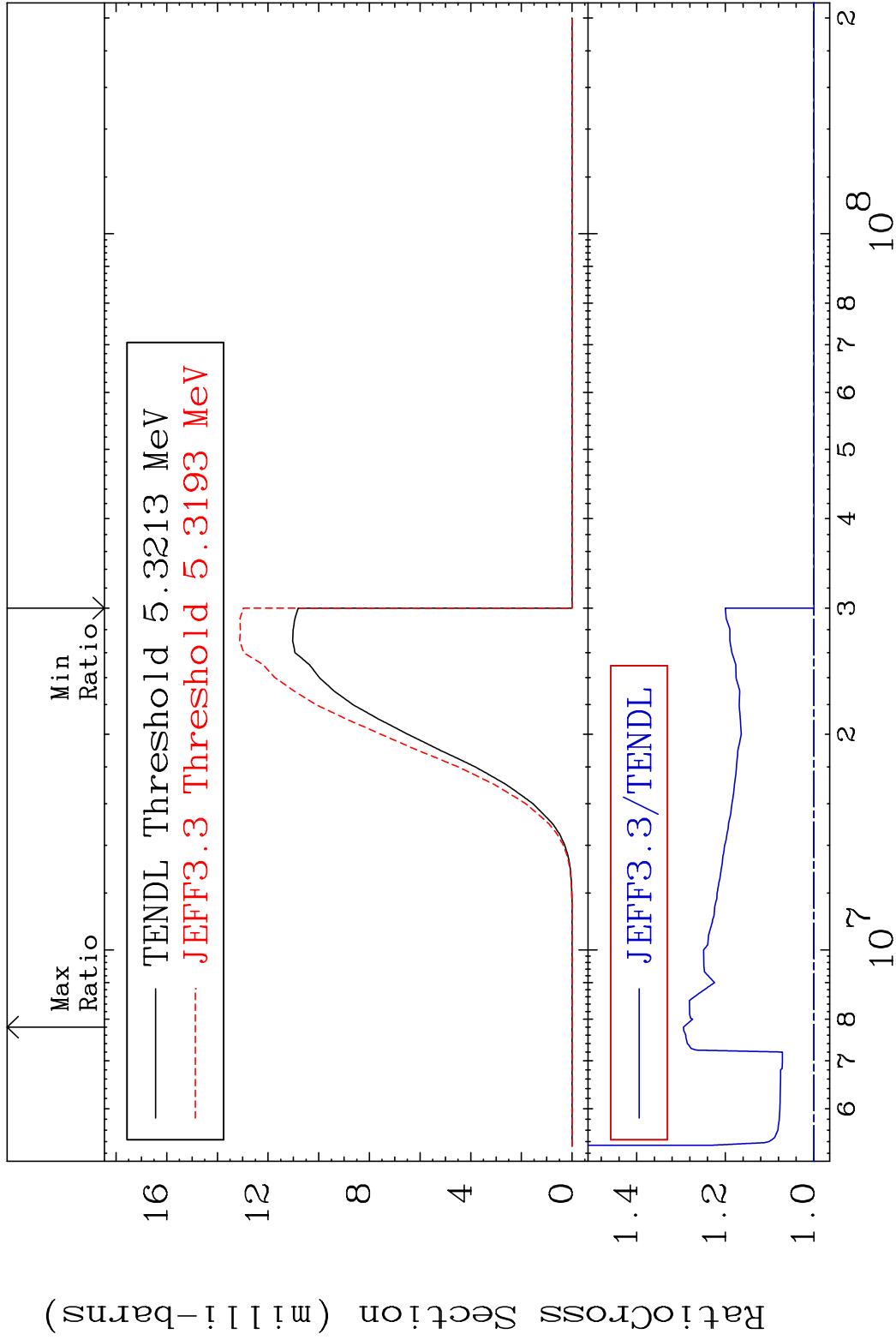


MAT 6028 (n,d):59-Pr-142g 60-Nd-143  
 Radionuclide Production Cross Section 58ed4i dfo 141.3 %



80 Incident Energy (eV) 60-Nd-143

MAT 6028 (n, d):59-Pr-142m1 60-Nd-143  
 Radionuclide Production Cross Section 29.45 %



81 Incident Energy (eV) 60-Nd-143