

Program Complot  
(Version 2018-1)

by

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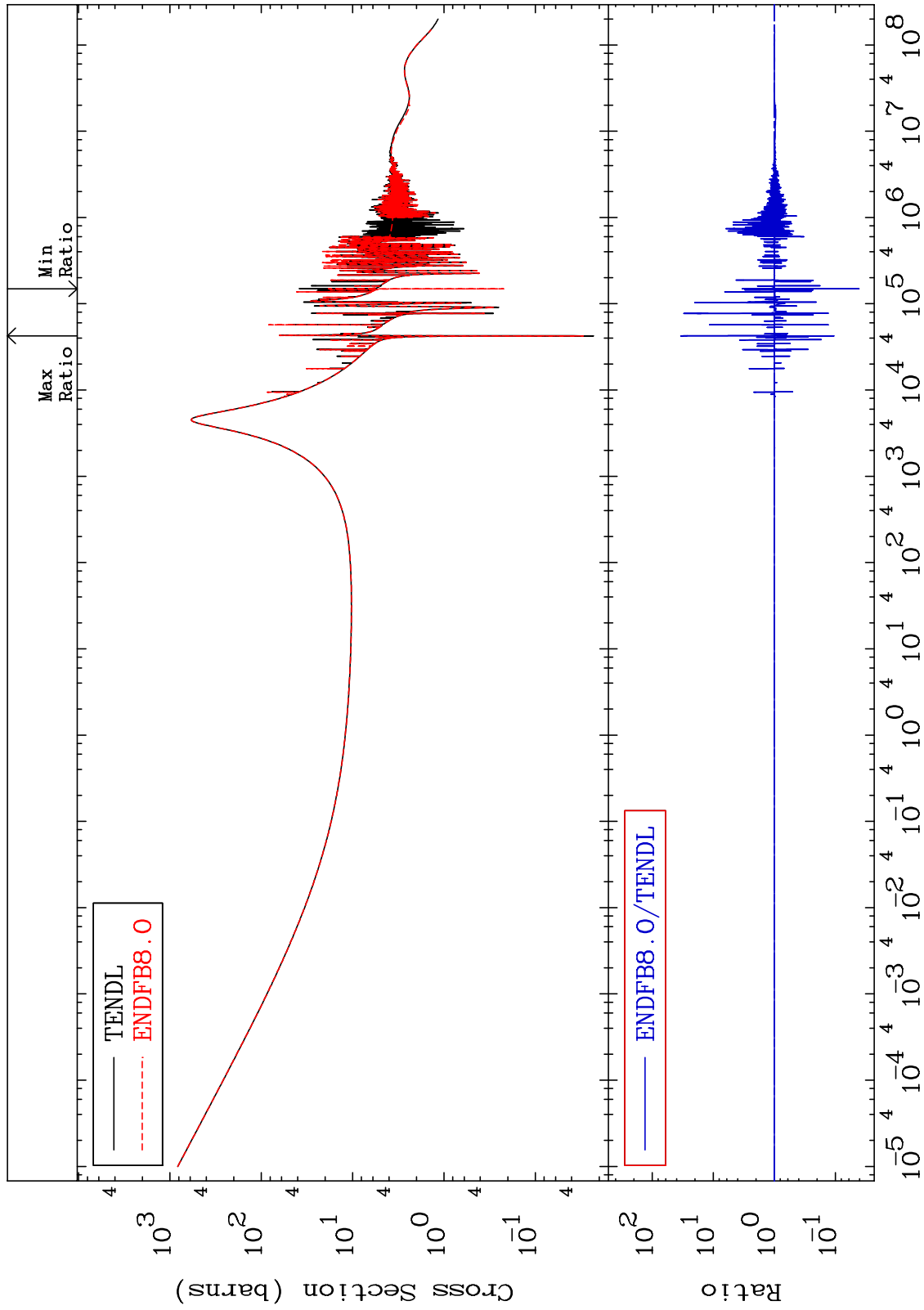
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 2837

Total  
Cross Section

28-Ni-62  
-95.89 To 3330. %



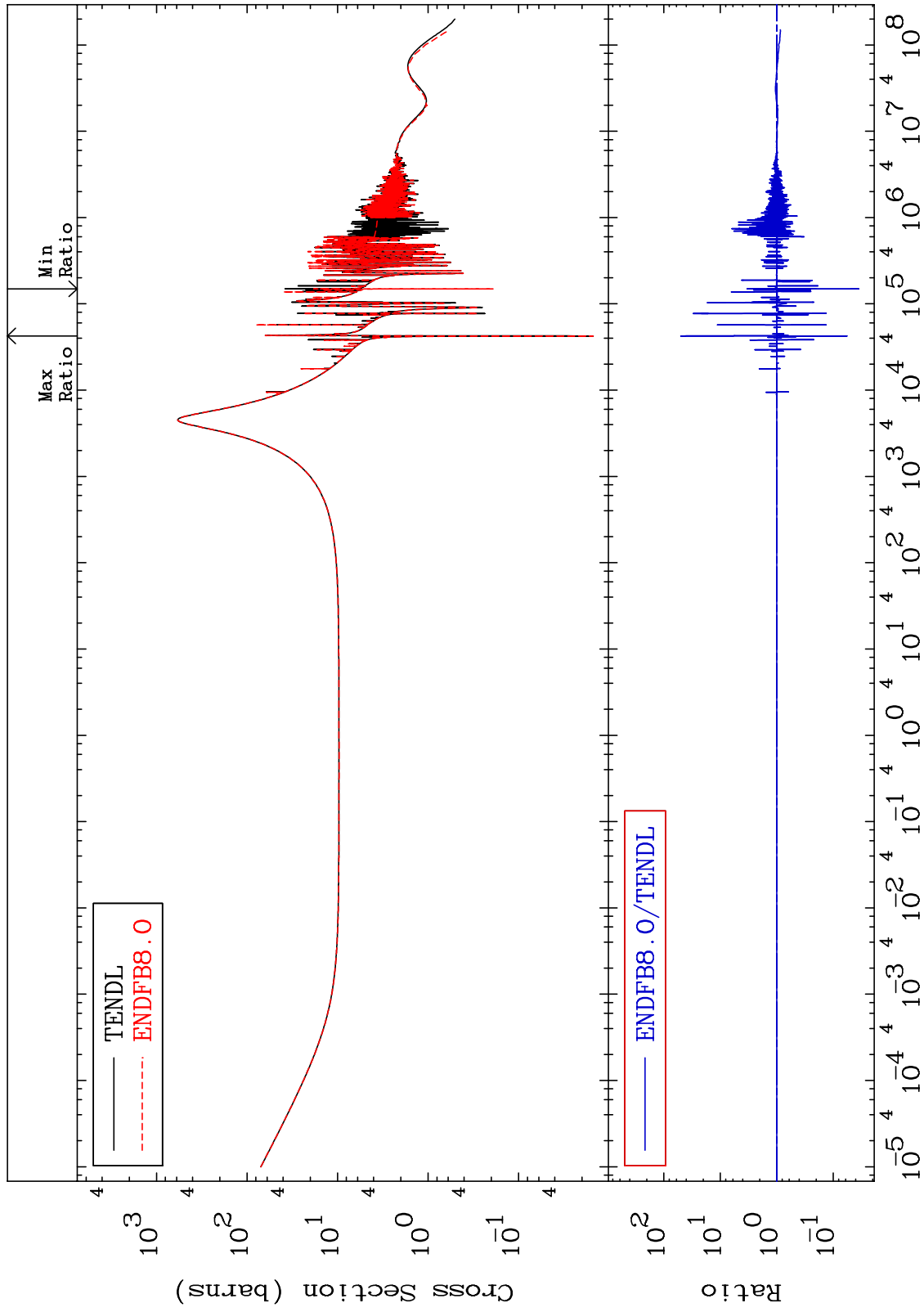
Incident Energy (eV)

28-Ni-62

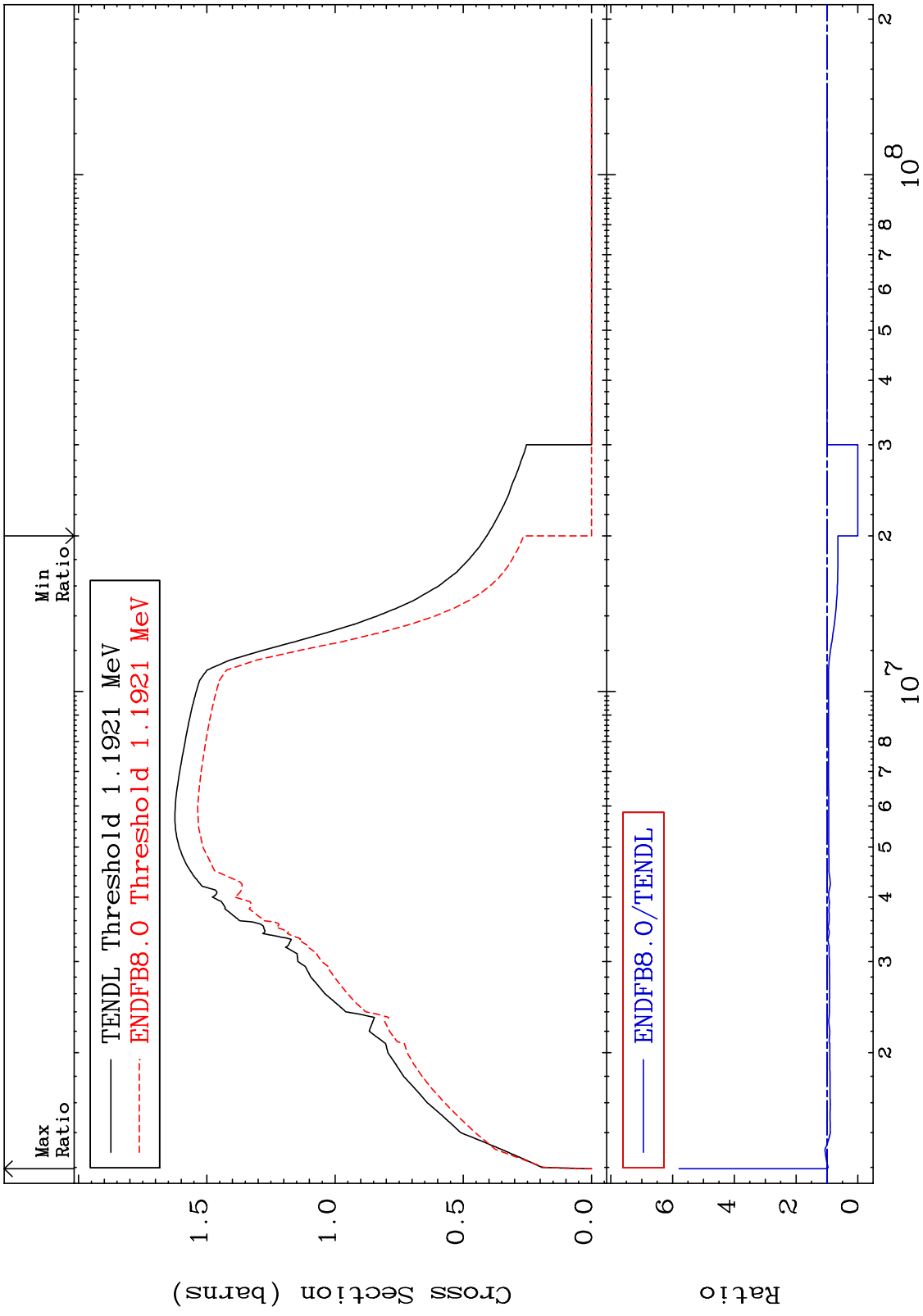
MAT 2837

Elastic  
Cross Section

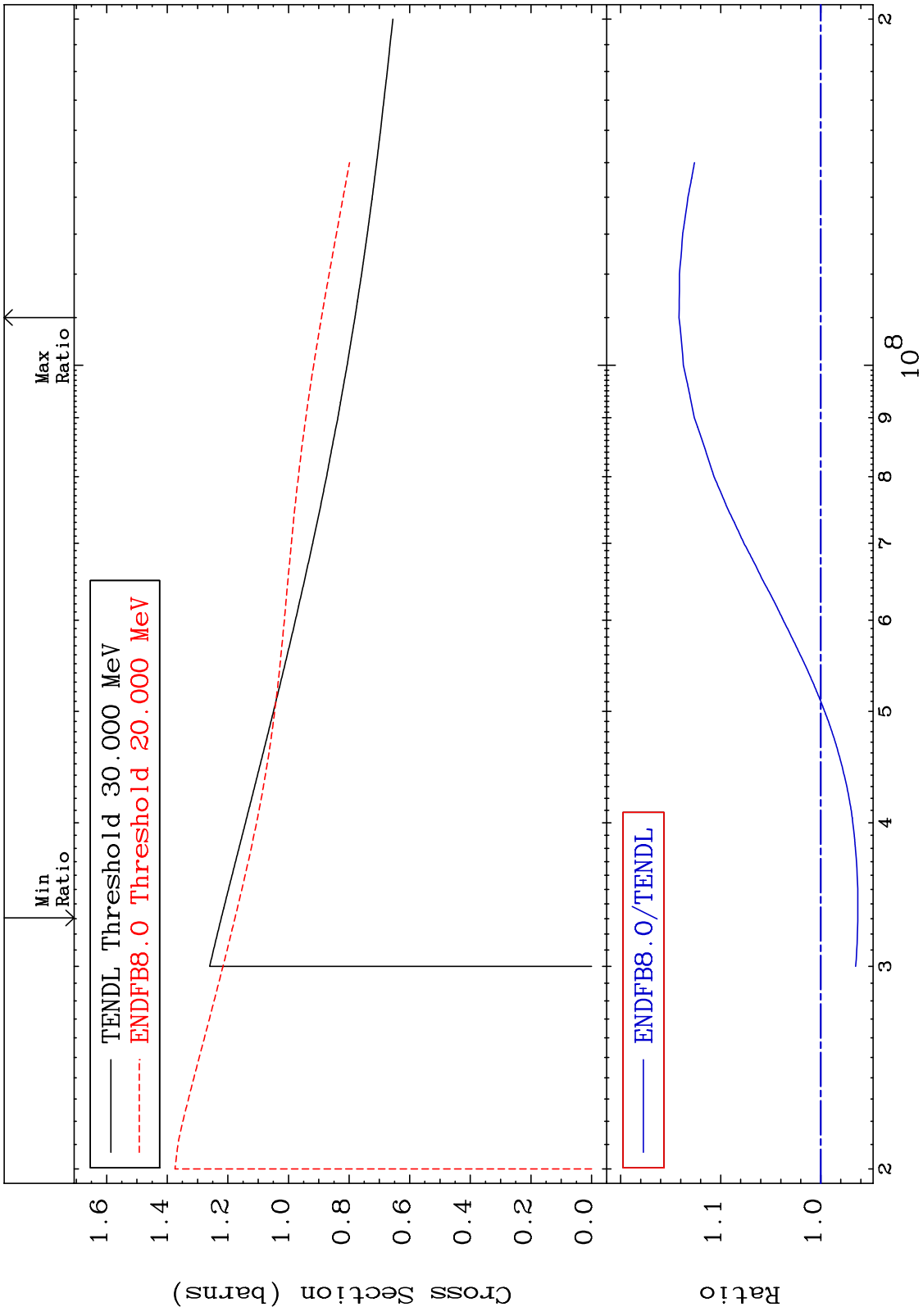
28-Ni-62  
-96.51 To 4936. %



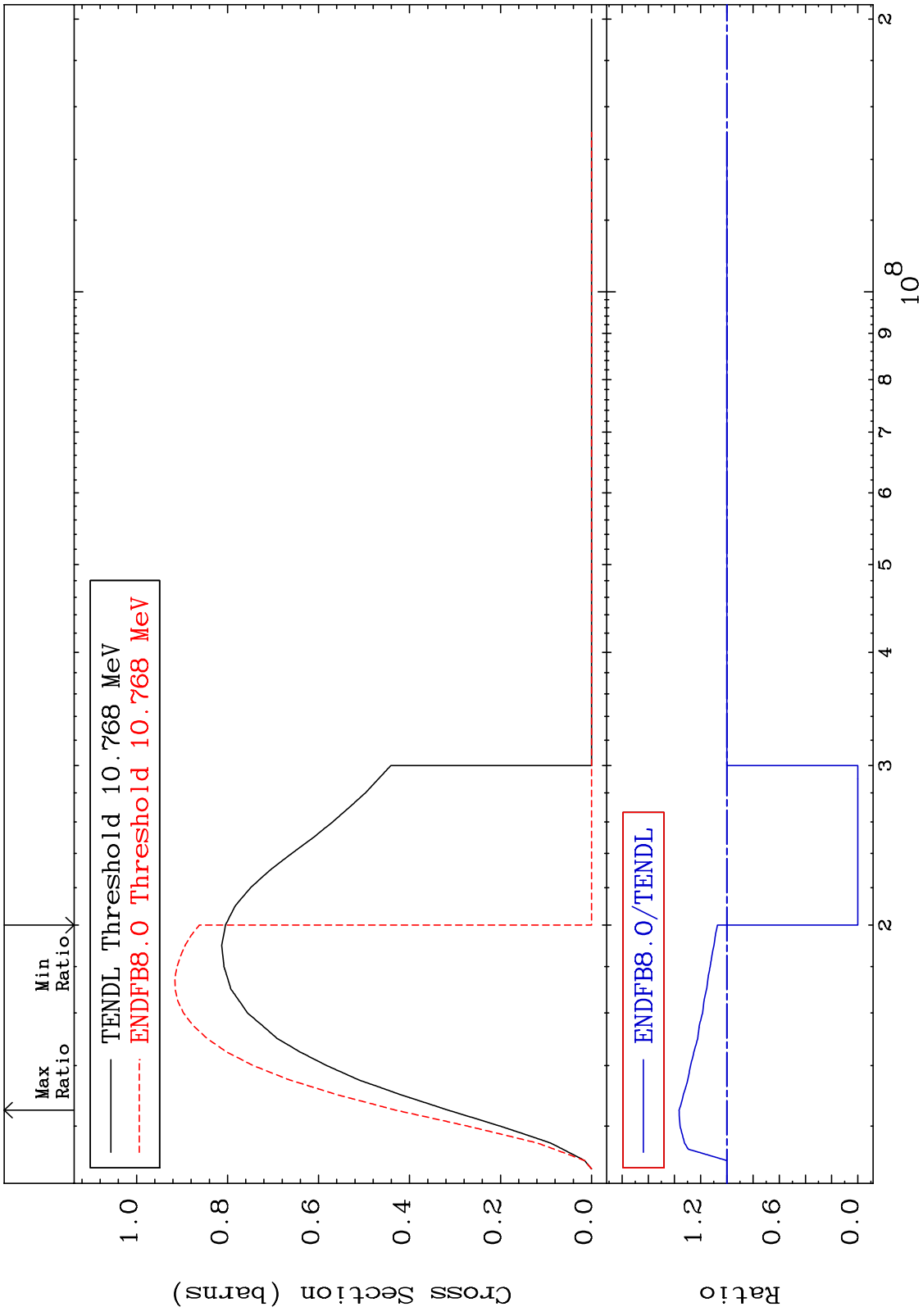
MAT 2837 Inelastic Cross Section 28-Ni-62 -100.0 To 479.2 %



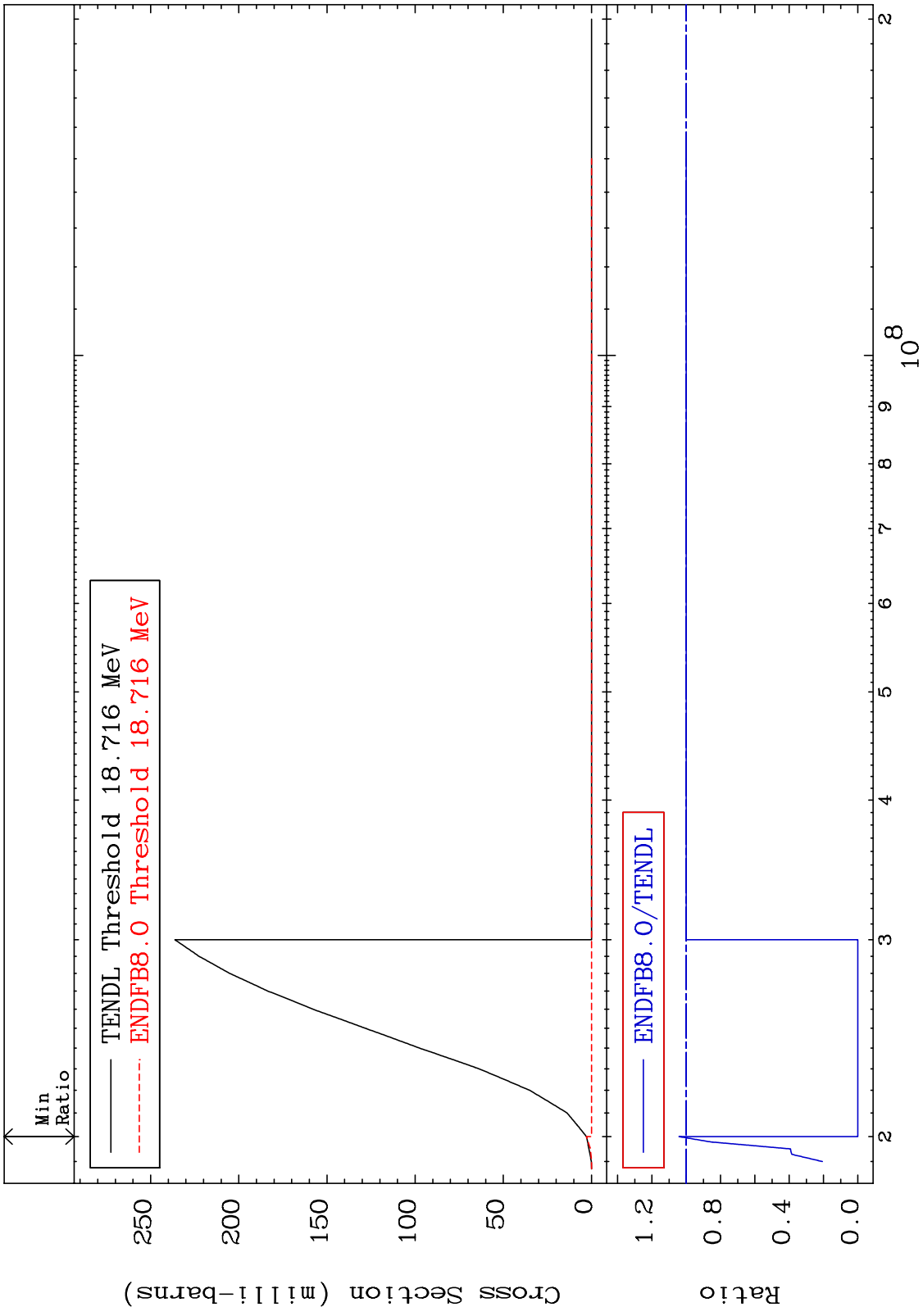
MAT 2837 (n, remainder) Cross Section 28-Ni-62 -3.704 To 14.16 %



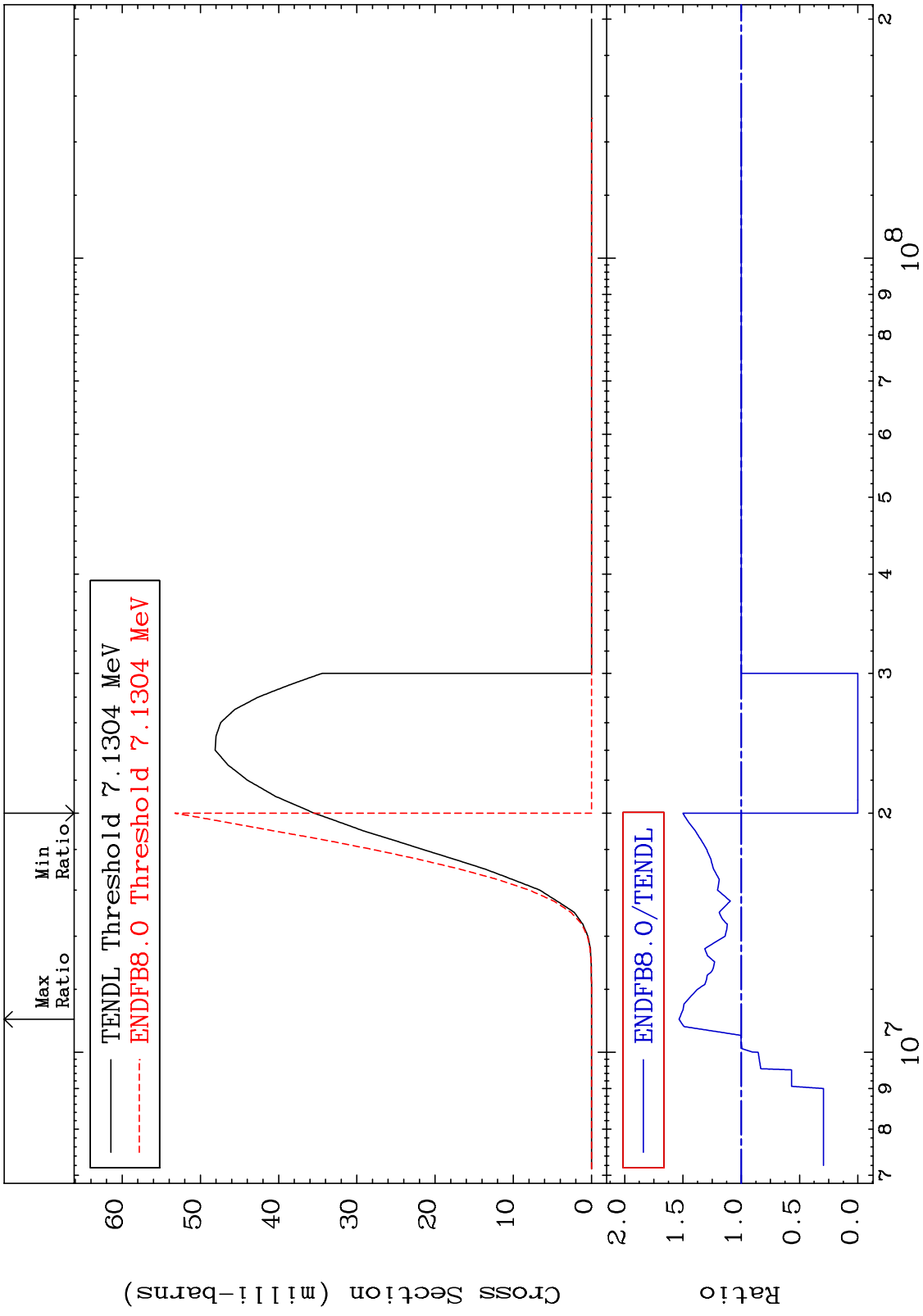
MAT 2837 (n,2n) Cross Section 28-Ni-62 -100.0 To 36.51 %



MAT 2837 (n,3n) Cross Section 28-Ni-62 -100.0 To 4.204 %

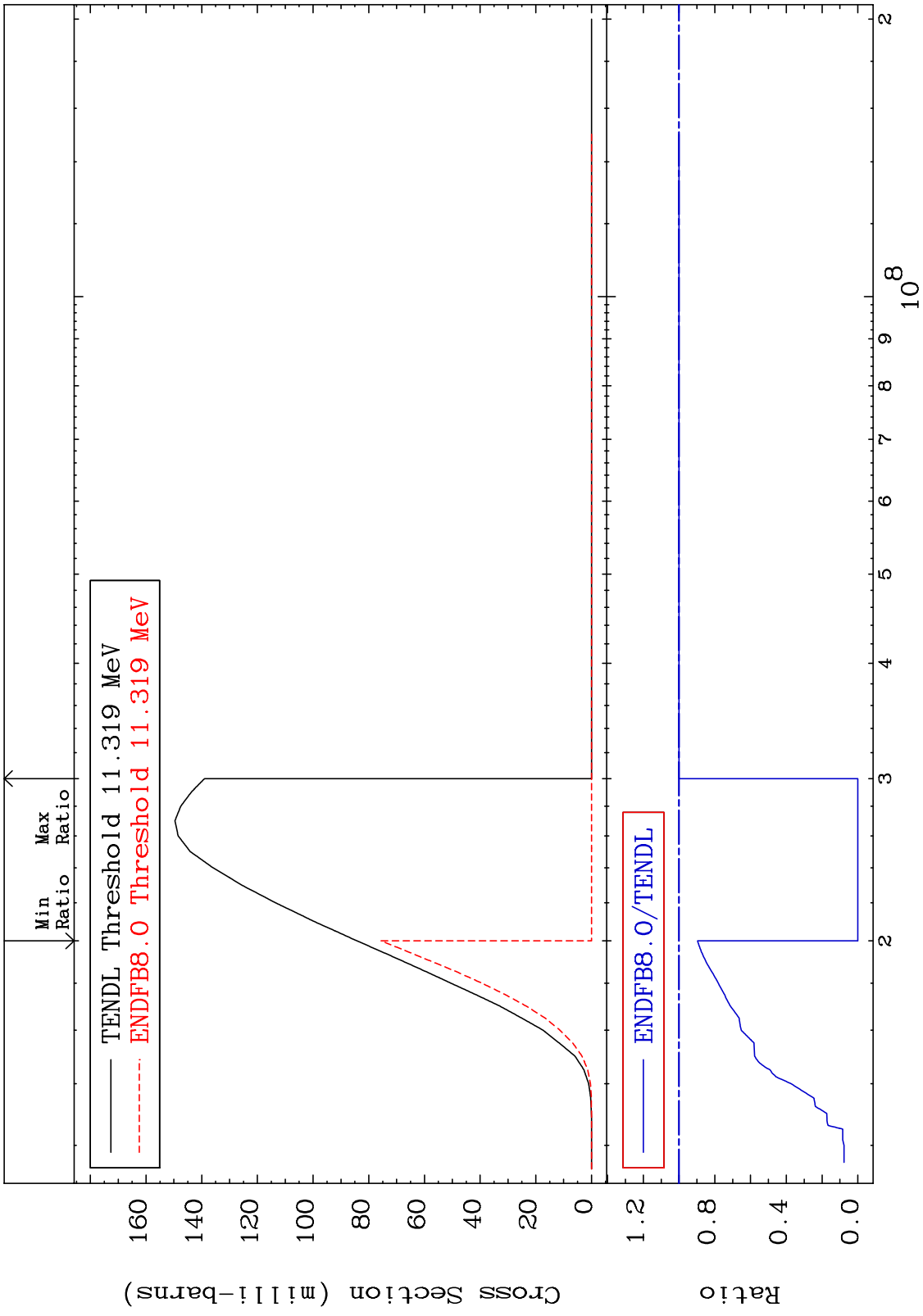


MAT 2837  $(n, n') \alpha$  28-Ni-62  
 Cross Section -100.0 To 53.38 %

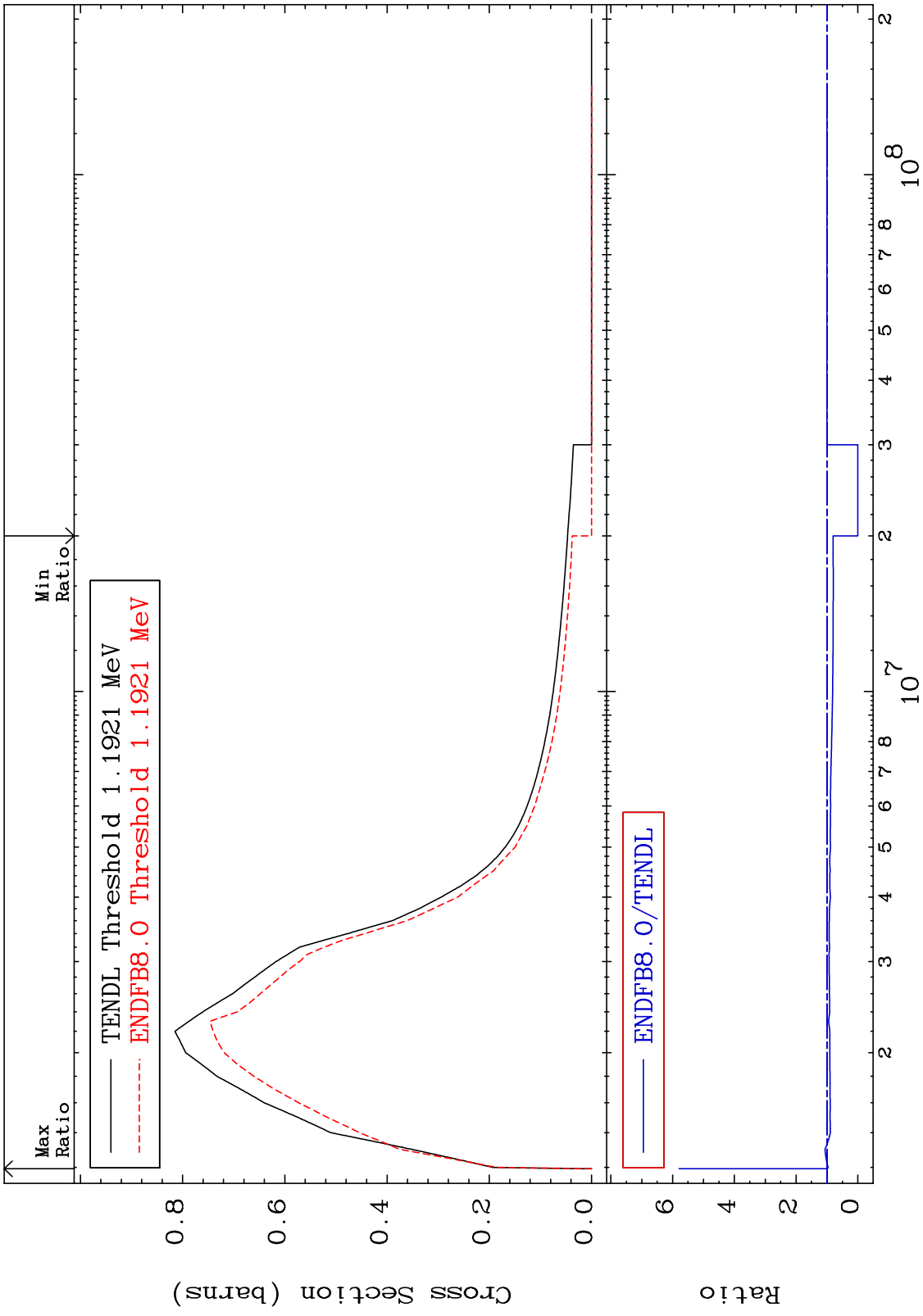


7 8 9 10<sup>7</sup> 1 2 3 4 5 6 7 8 9 10<sup>8</sup> Incident Energy (eV) 28-Ni-62





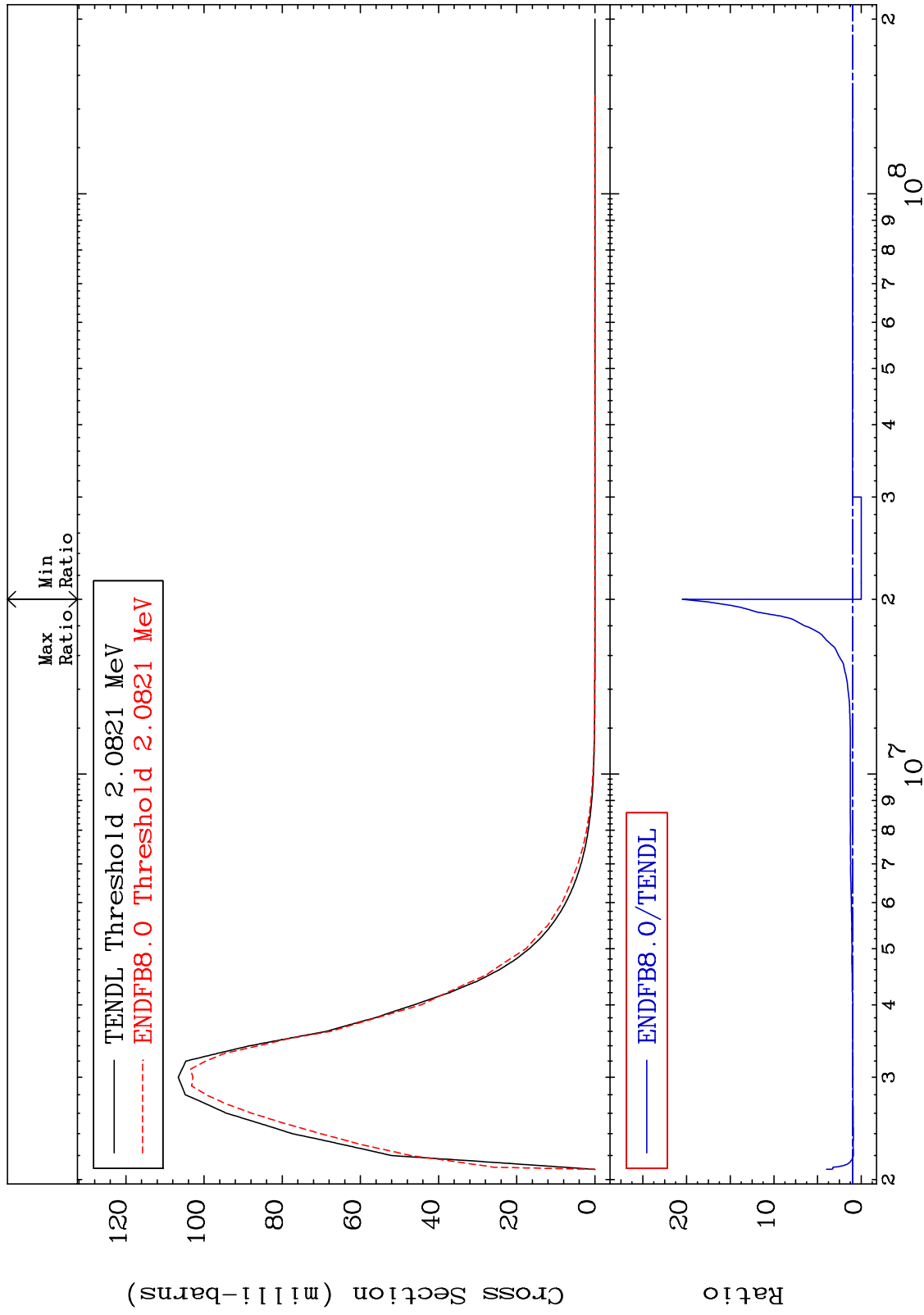
MAT 2837 MT= 51 (n,n') Level Cross Section -100.0 To 479.2 % 28-Ni-62



MAT 2837

MT= 52 (n,n') Level  
Cross Section

28-Ni-62  
-100.0 To 1947. %

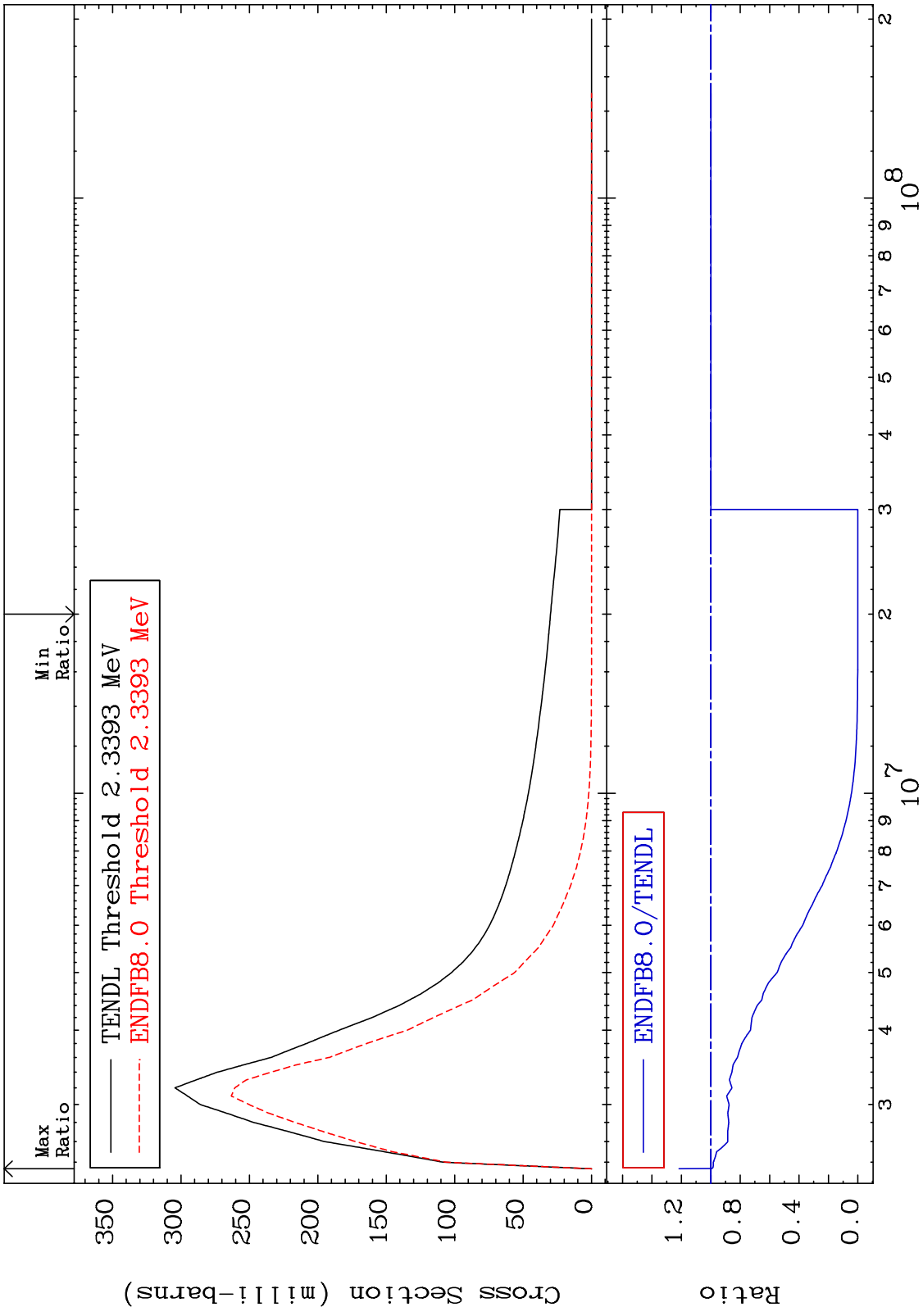


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Incident Energy (eV)

28-Ni-62

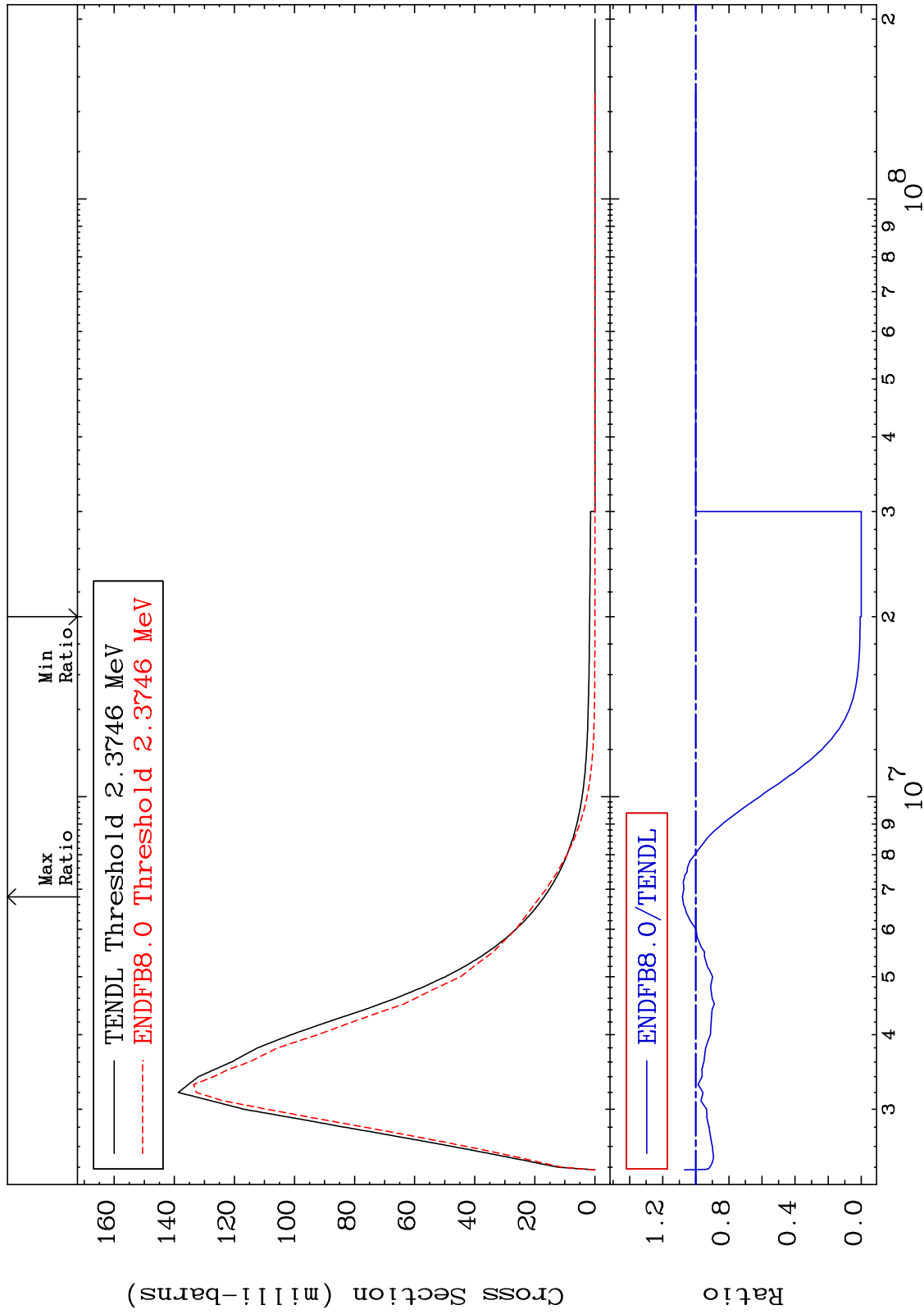
MAT 2837 MT= 53 (n,n') Level Cross Section -100.0 To 21.58 % 28-Ni-62



MAT 2837

MT= 54 (n,n') Level  
Cross Section

28-Ni-62  
-100.0 To 8.070 %

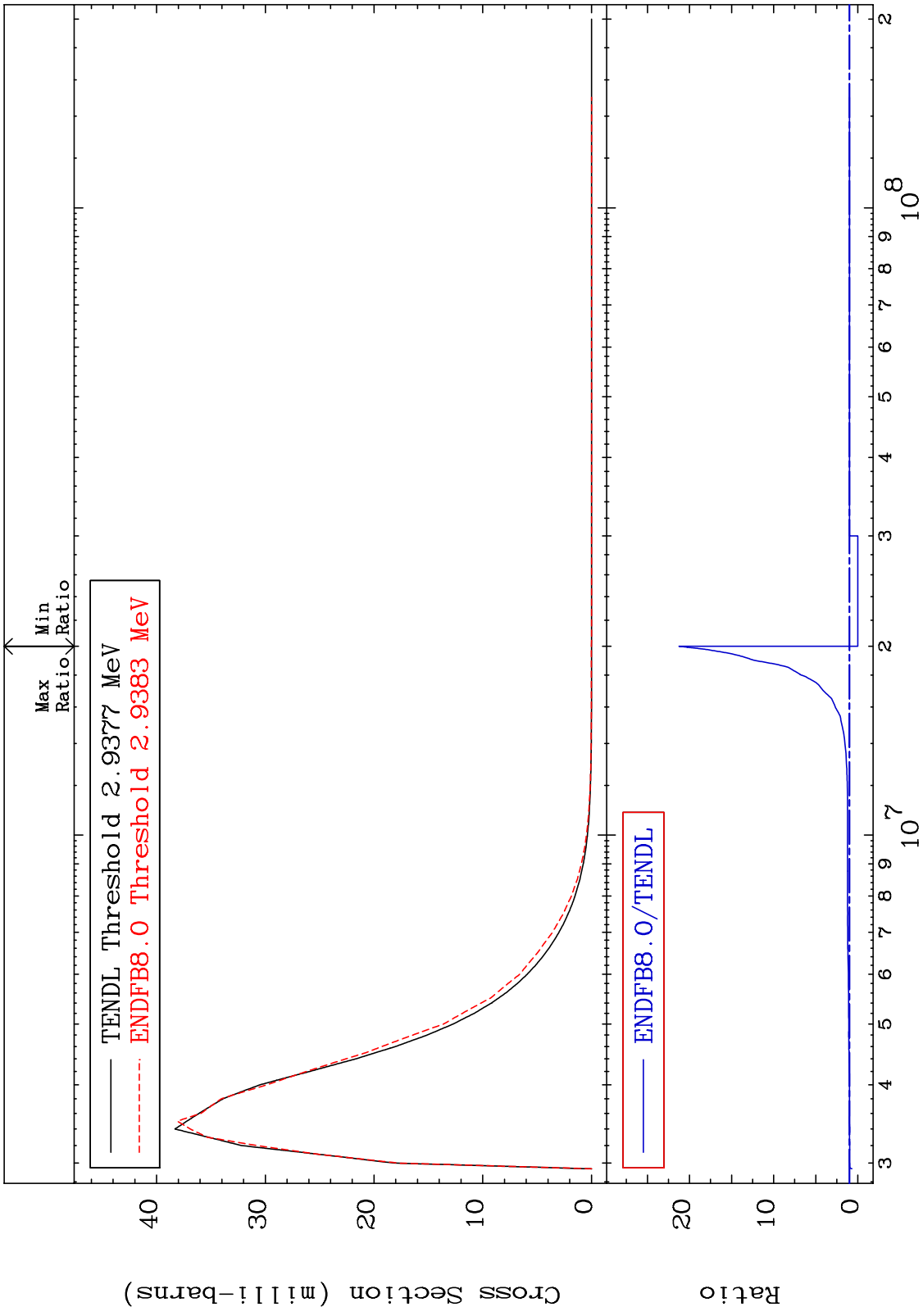


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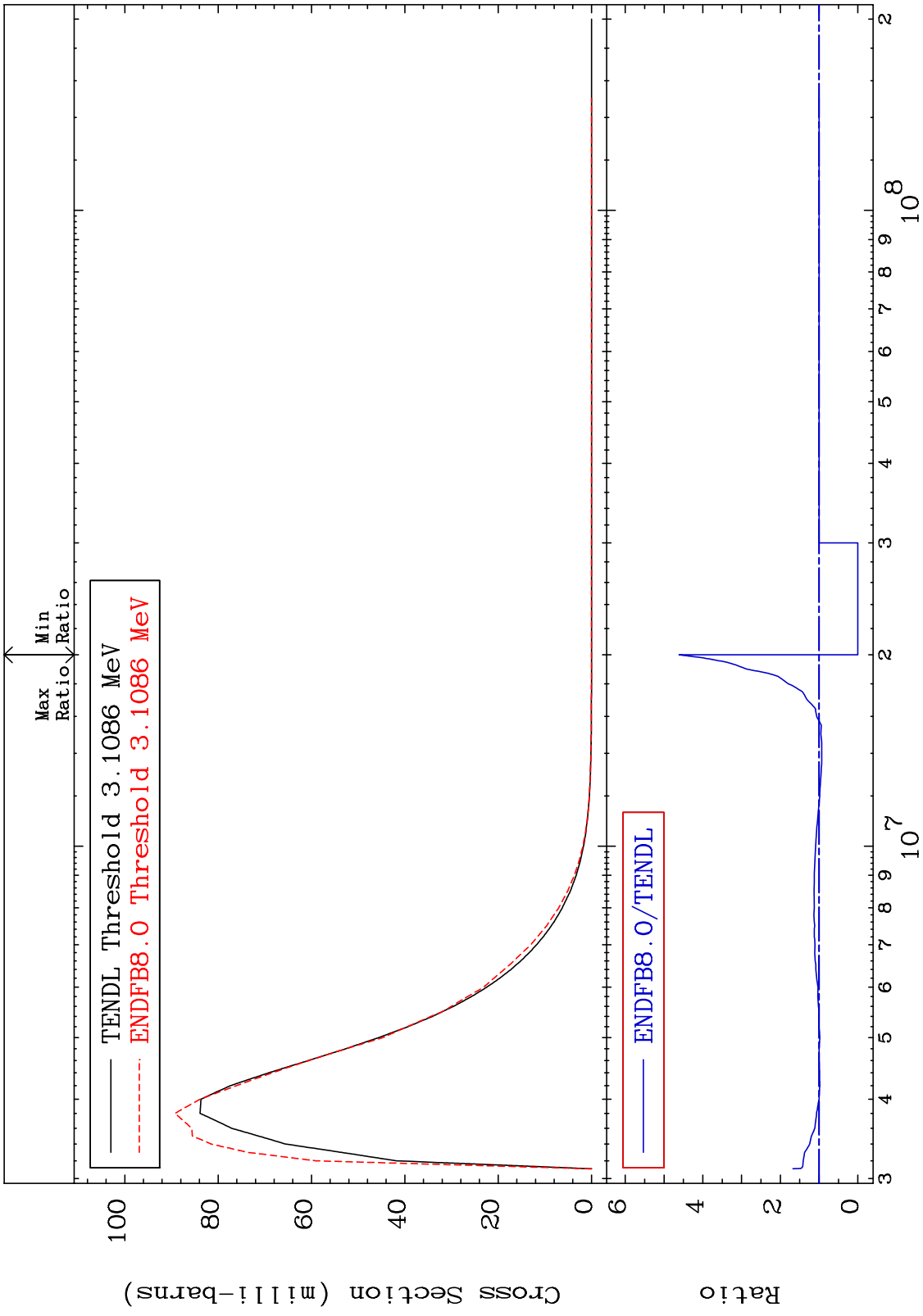
Incident Energy (eV)

28-Ni-62

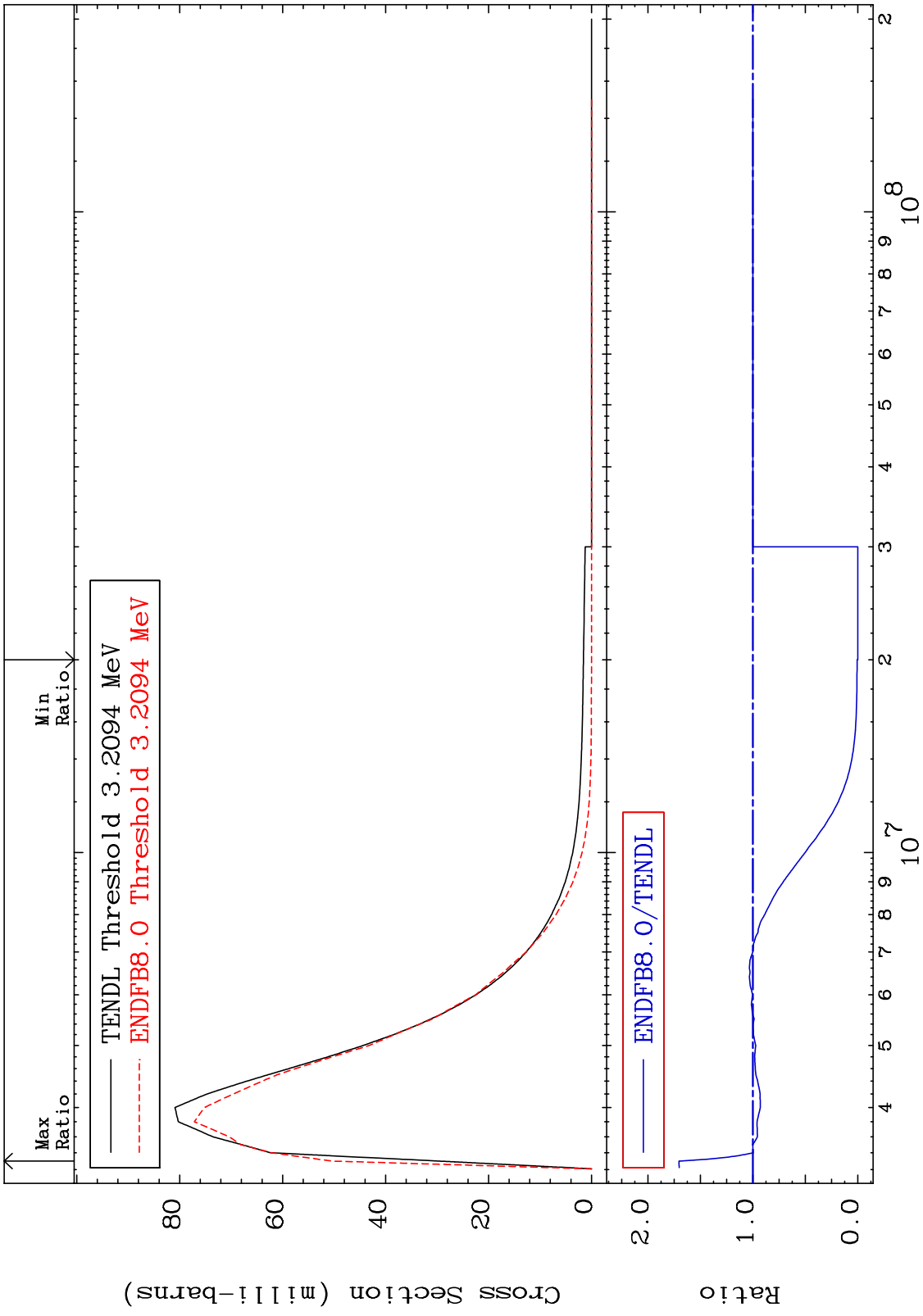
MAT 2837 MT= 55 (n,n') Level Cross Section -100.0 To 2024. % 28-Ni-62



MAT 2837 MT= 56 (n,n') Level Cross Section -100.0 To 361.3 % 28-Ni-62

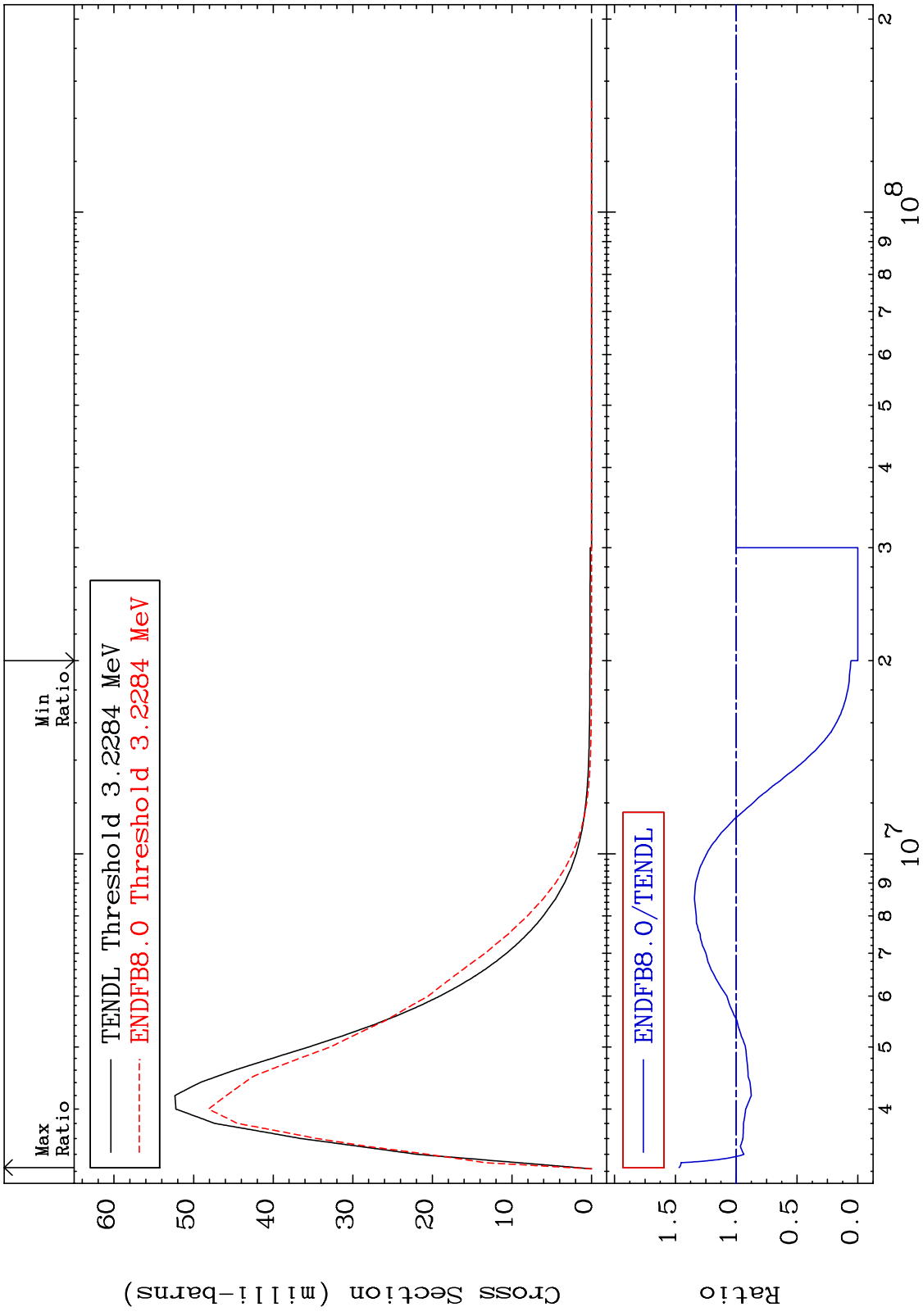


MAT 2837 MT= 57 (n,n') Level Cross Section -100.0 To 70.39 % 28-Ni-62

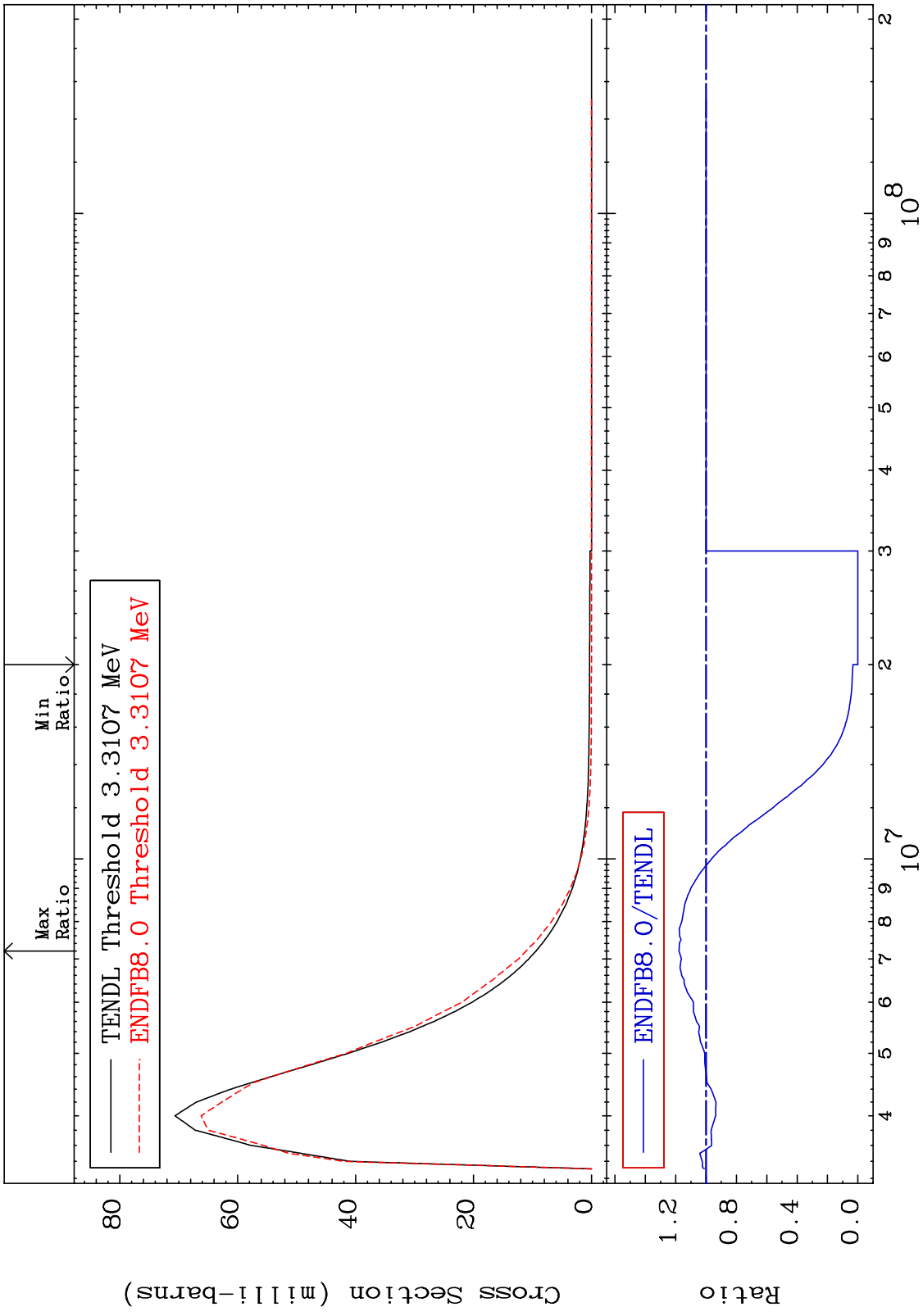




MAT 2837 MT= 58 (n,n') Level Cross Section -100.0 To 47.01 % 28-Ni-62



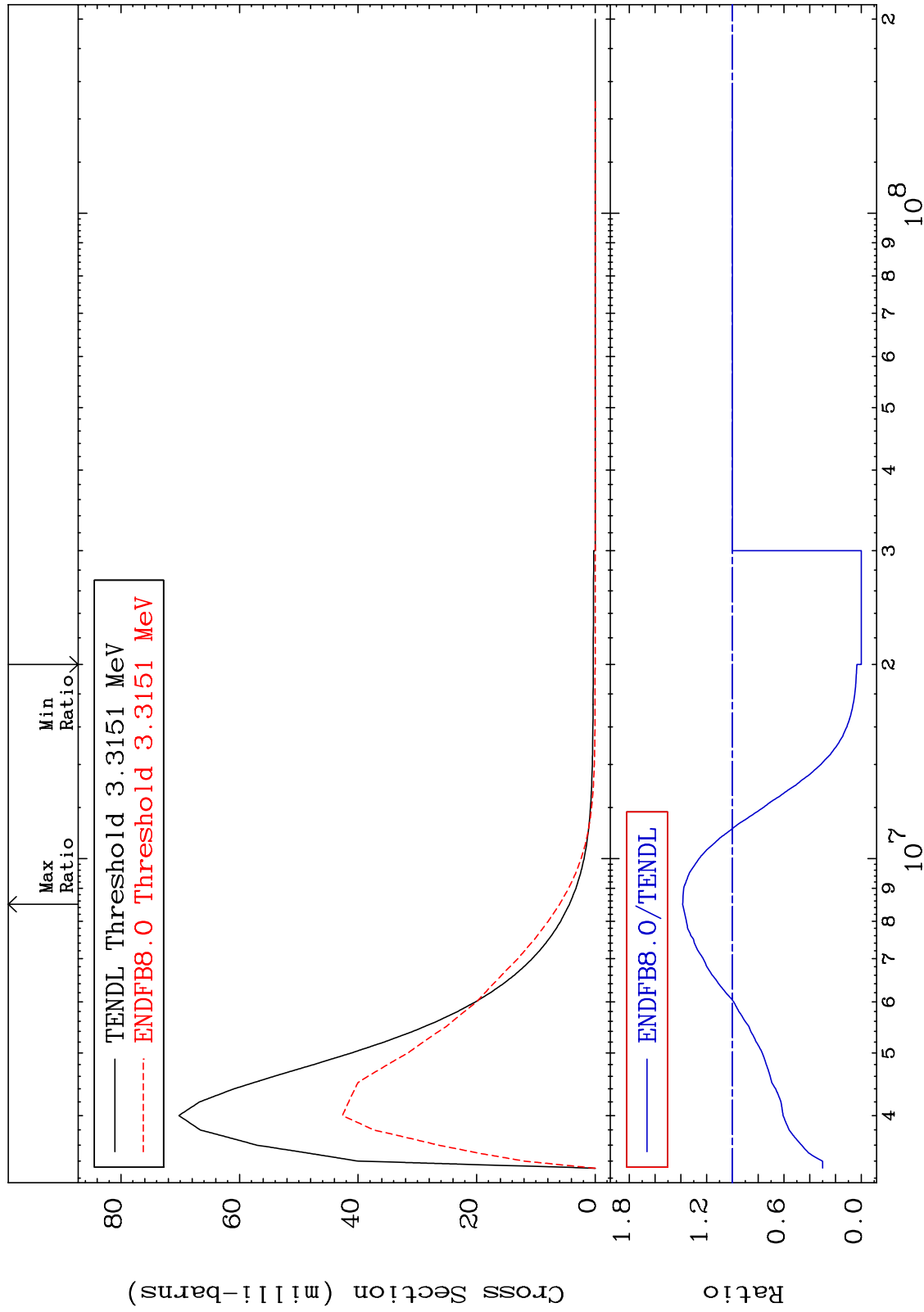
MAT 2837 MT= 59 (n,n') Level Cross Section -100.0 To 17.82 % 28-Ni-62



MAT 2837

MT= 60 (n,n') Level  
Cross Section

28-Ni-62  
-100.0 To 38.62 %

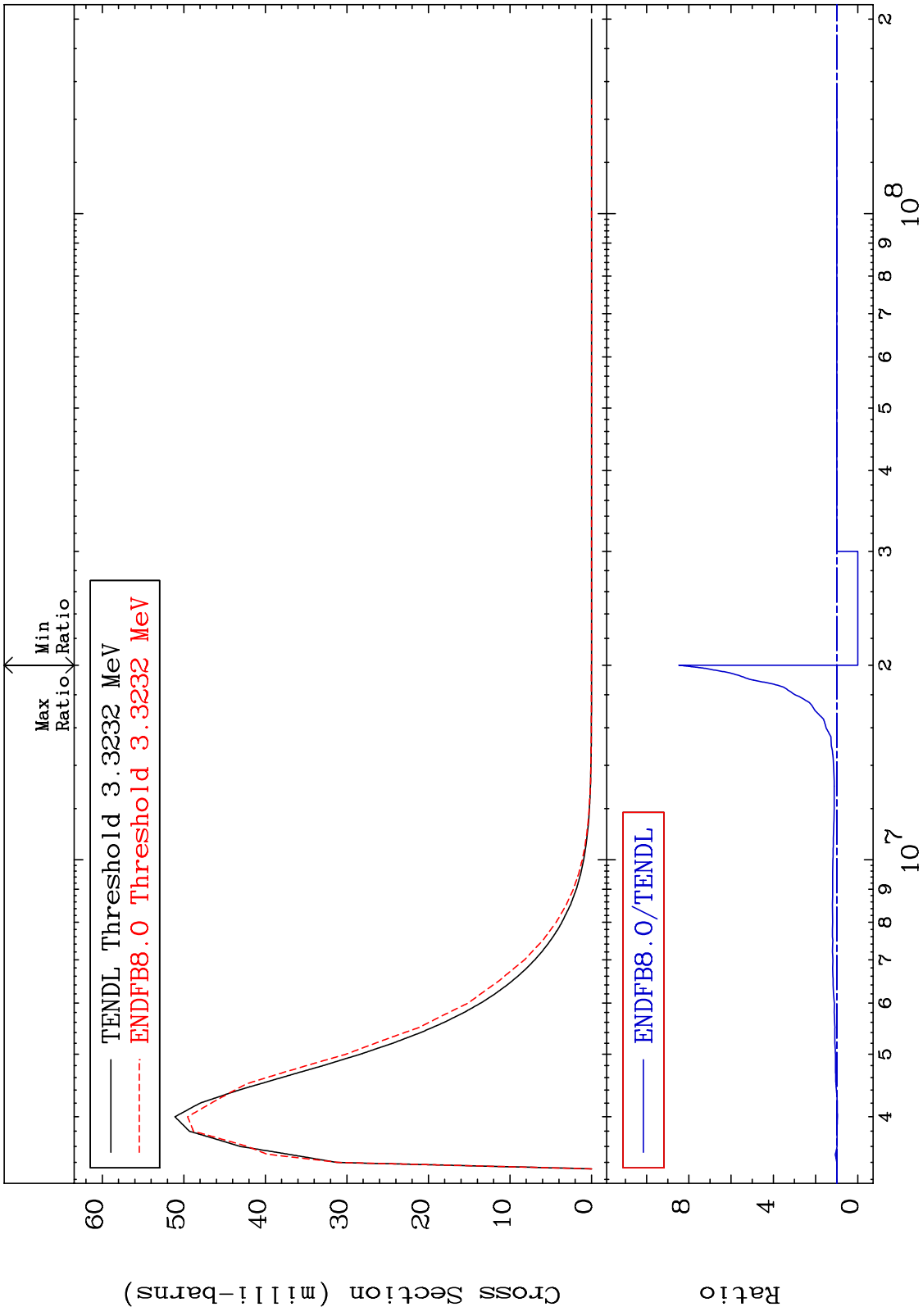


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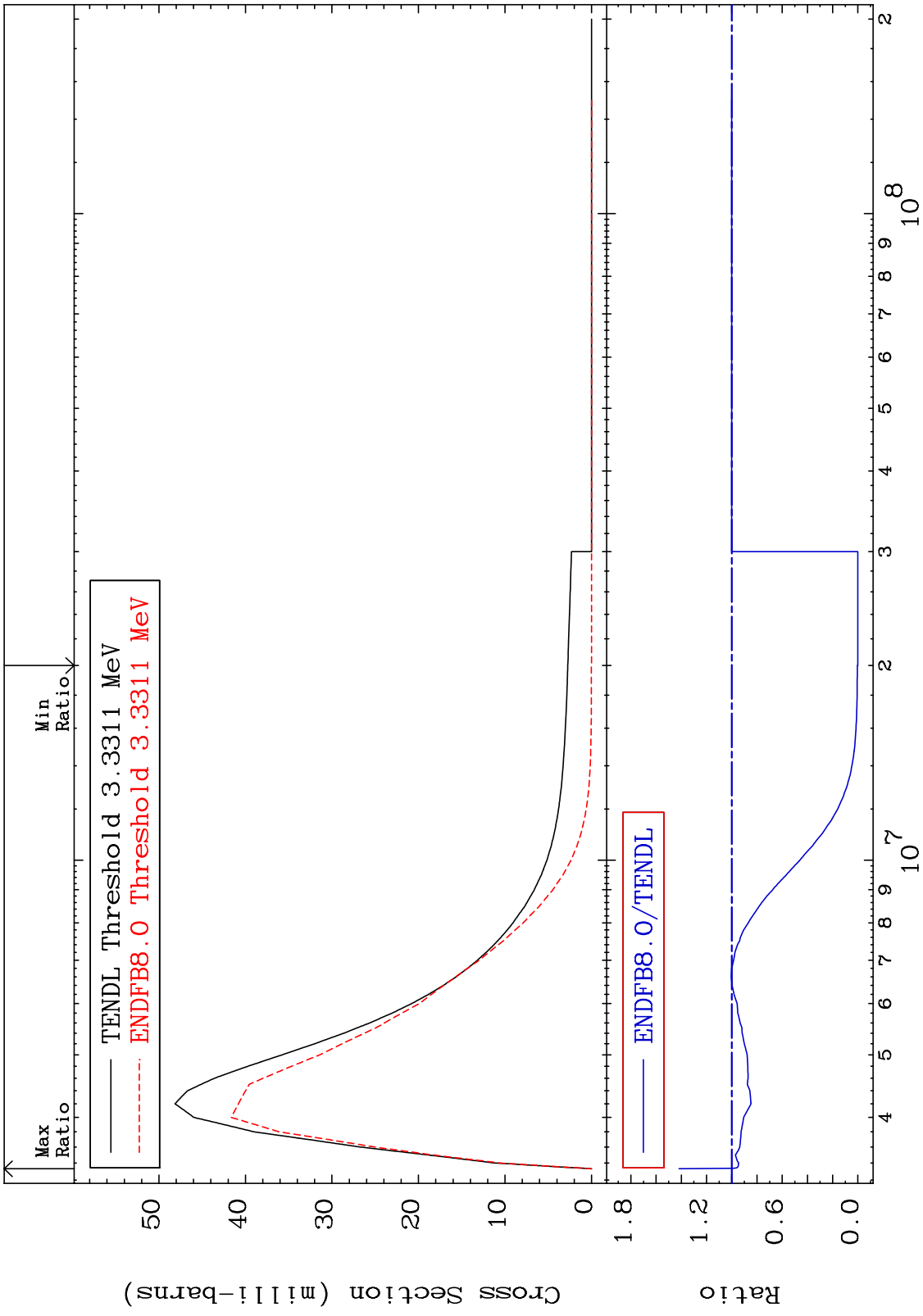
Incident Energy (eV)

28-Ni-62

MAT 2837 MT= 61 (n,n') Level Cross Section -100.0 To 746.5 % 28-Ni-62

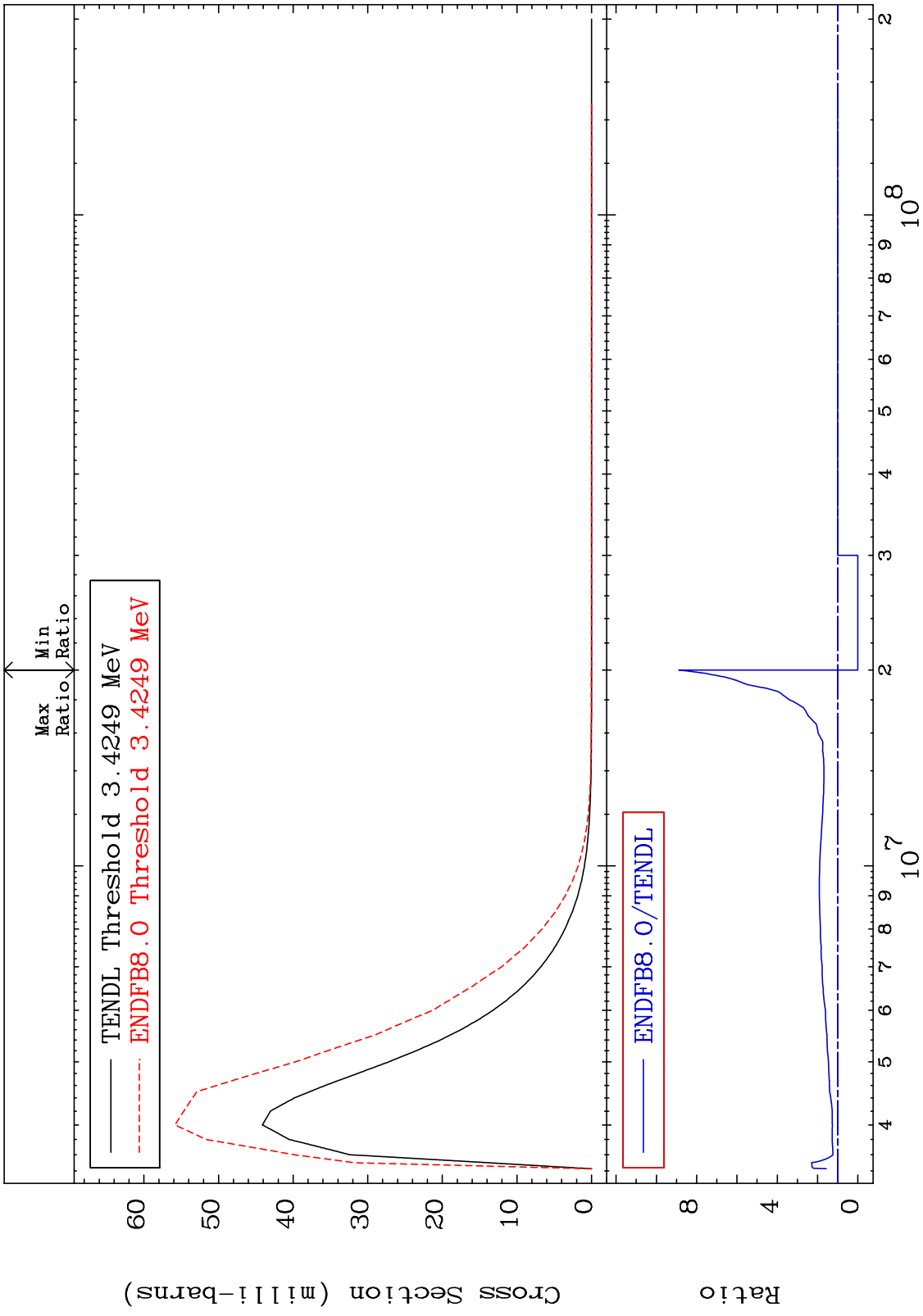


MAT 2837 MT= 62 (n,n') Level Cross Section 28-Ni-62 -100.0 To 41.82 %

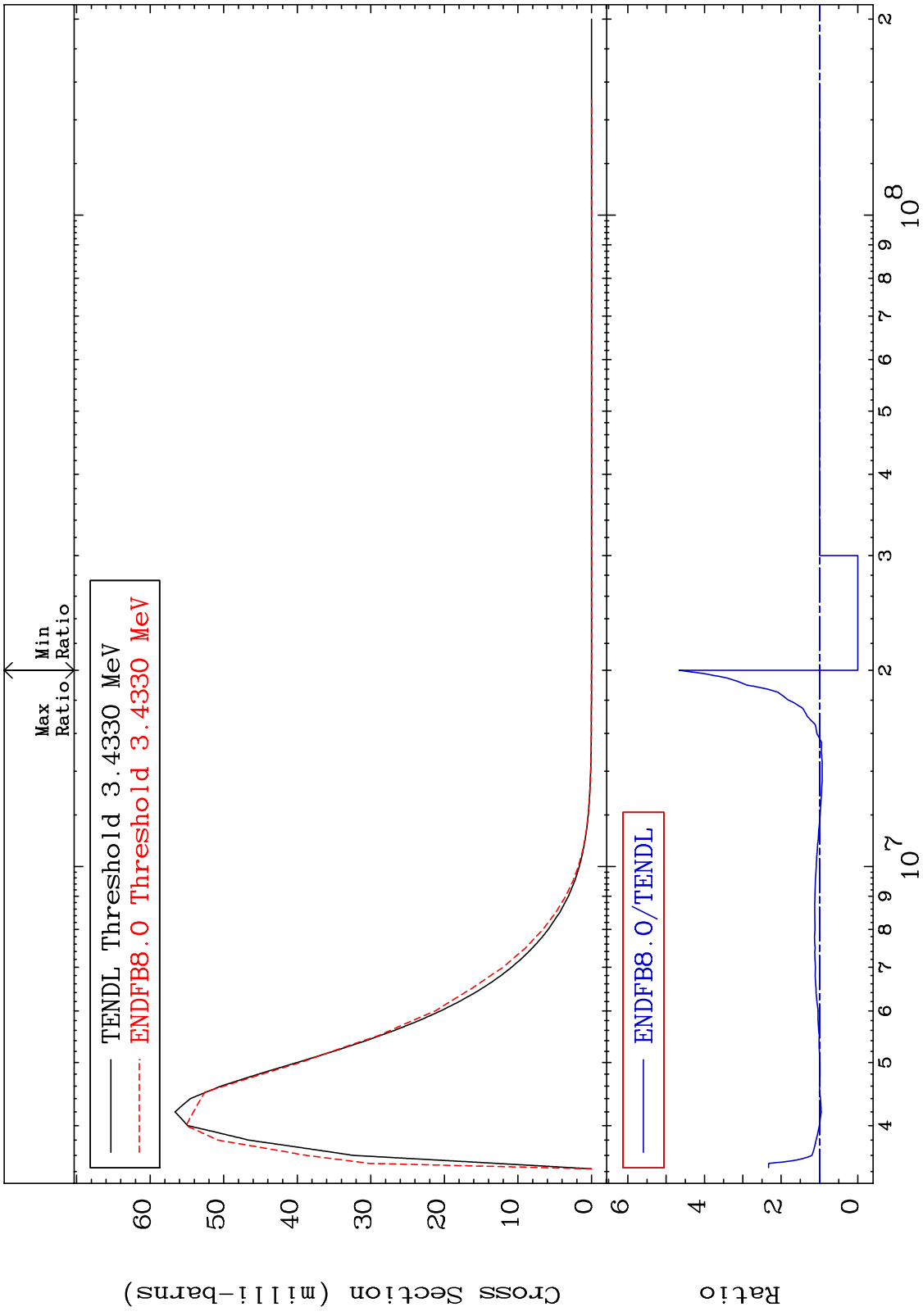


20 28-Ni-62

MAT 2837 MT= 63 (n,n') Level Cross Section -100.0 To 787.5 % 28-Ni-62

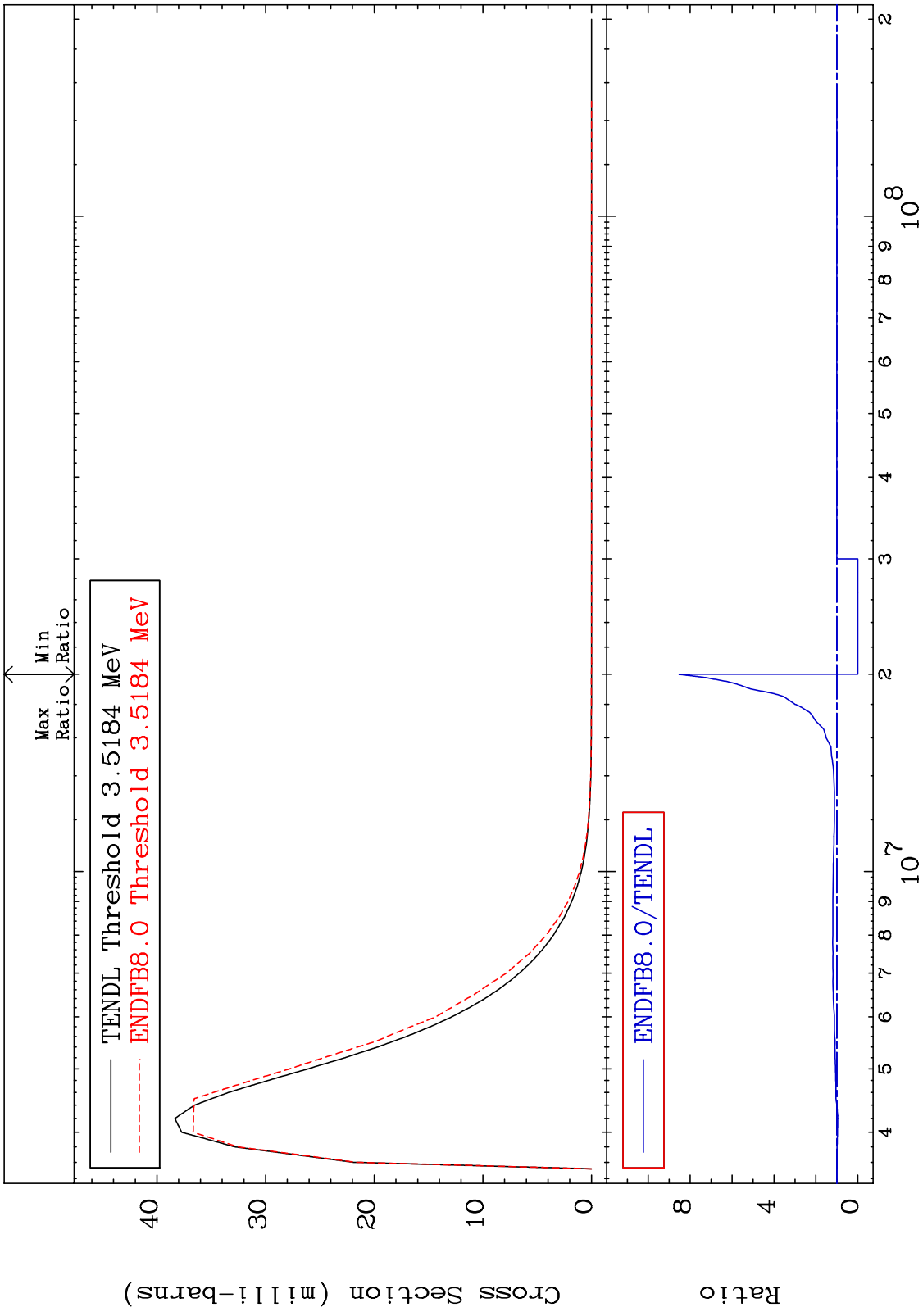


MAT 2837 MT= 64 (n,n') Level Cross Section -100.0 To 366.4 % 28-Ni-62



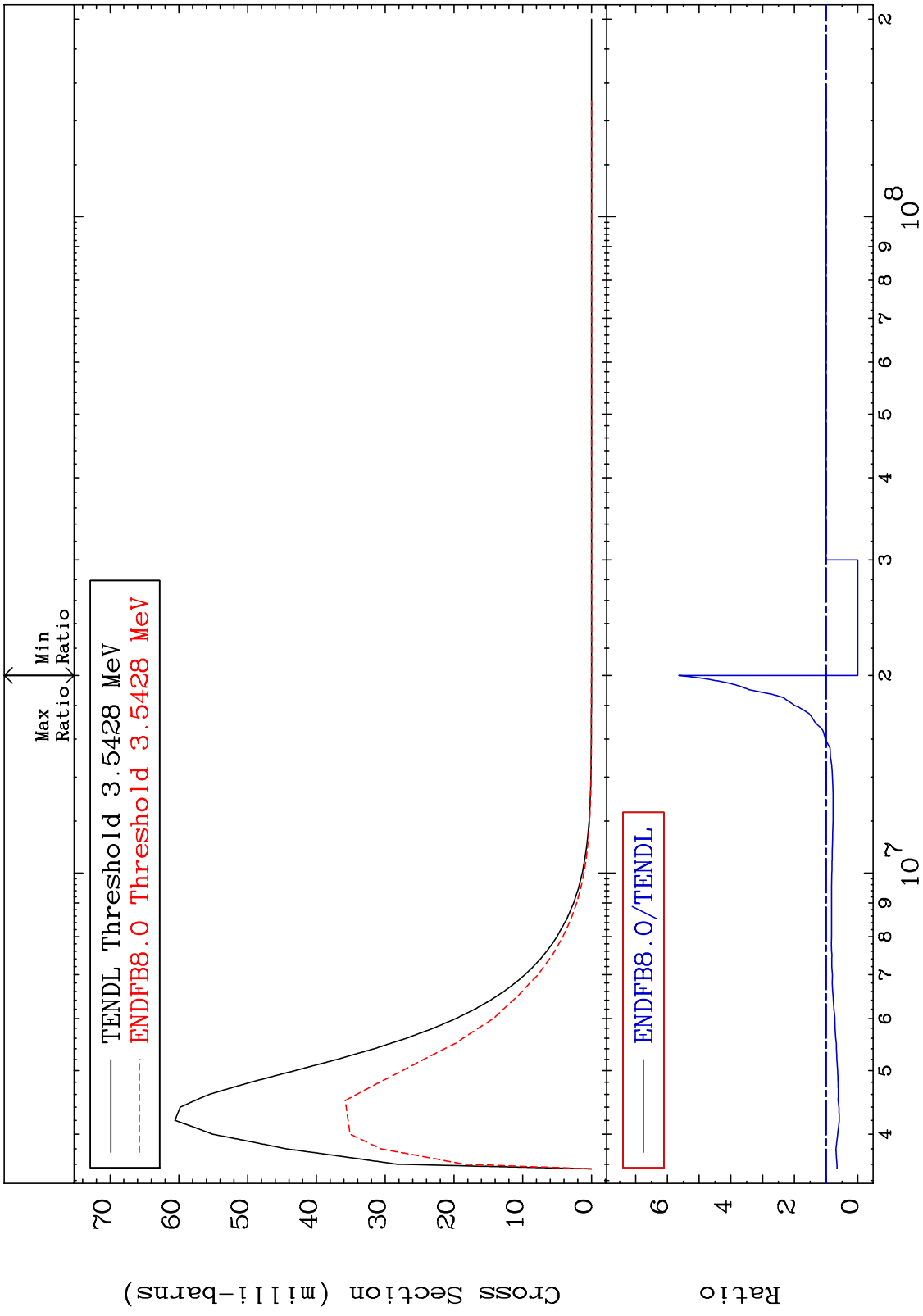
22 28-Ni-62

MAT 2837 MT= 65 (n,n') Level Cross Section -100.0 To 753.1 % 28-Ni-62

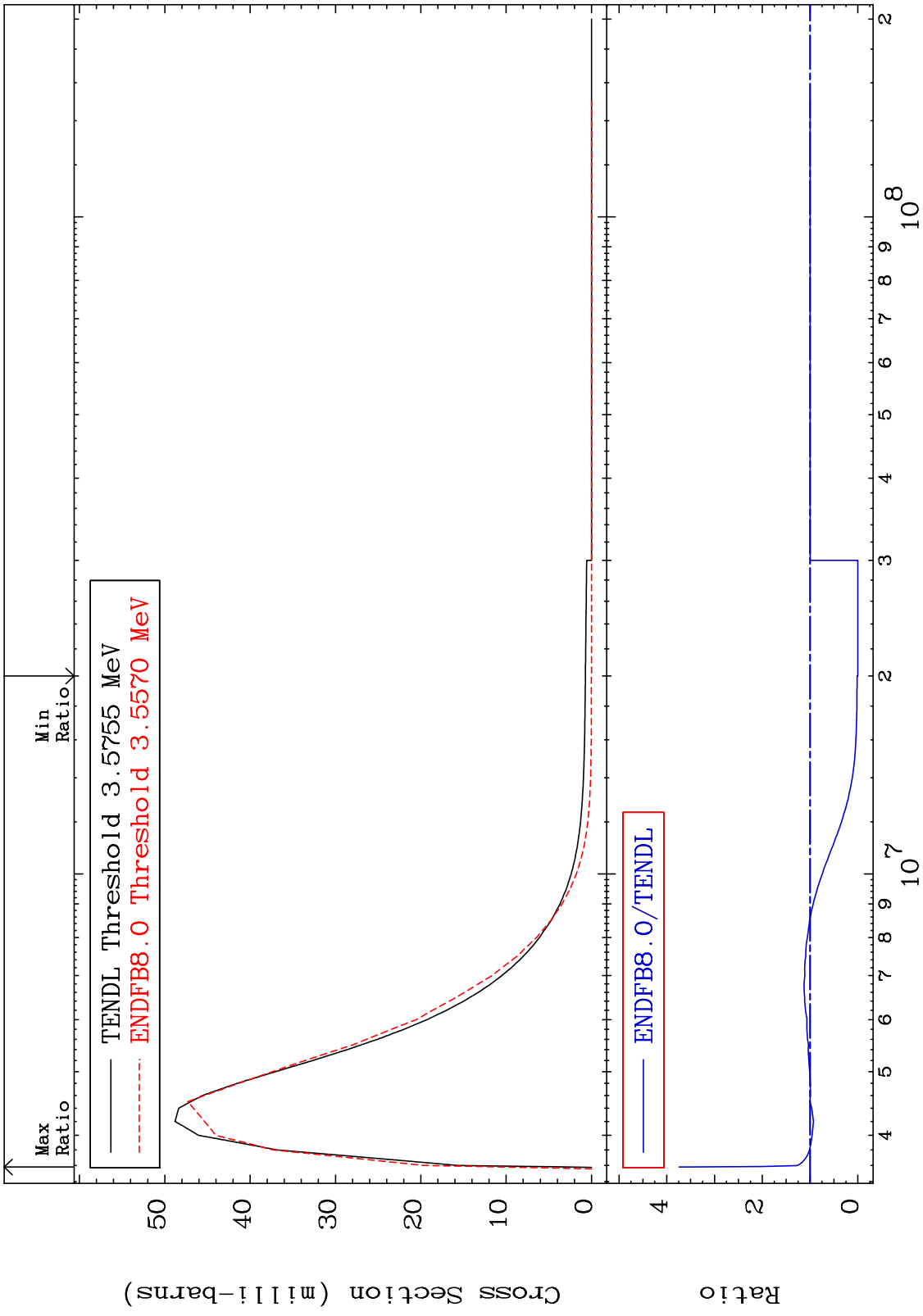




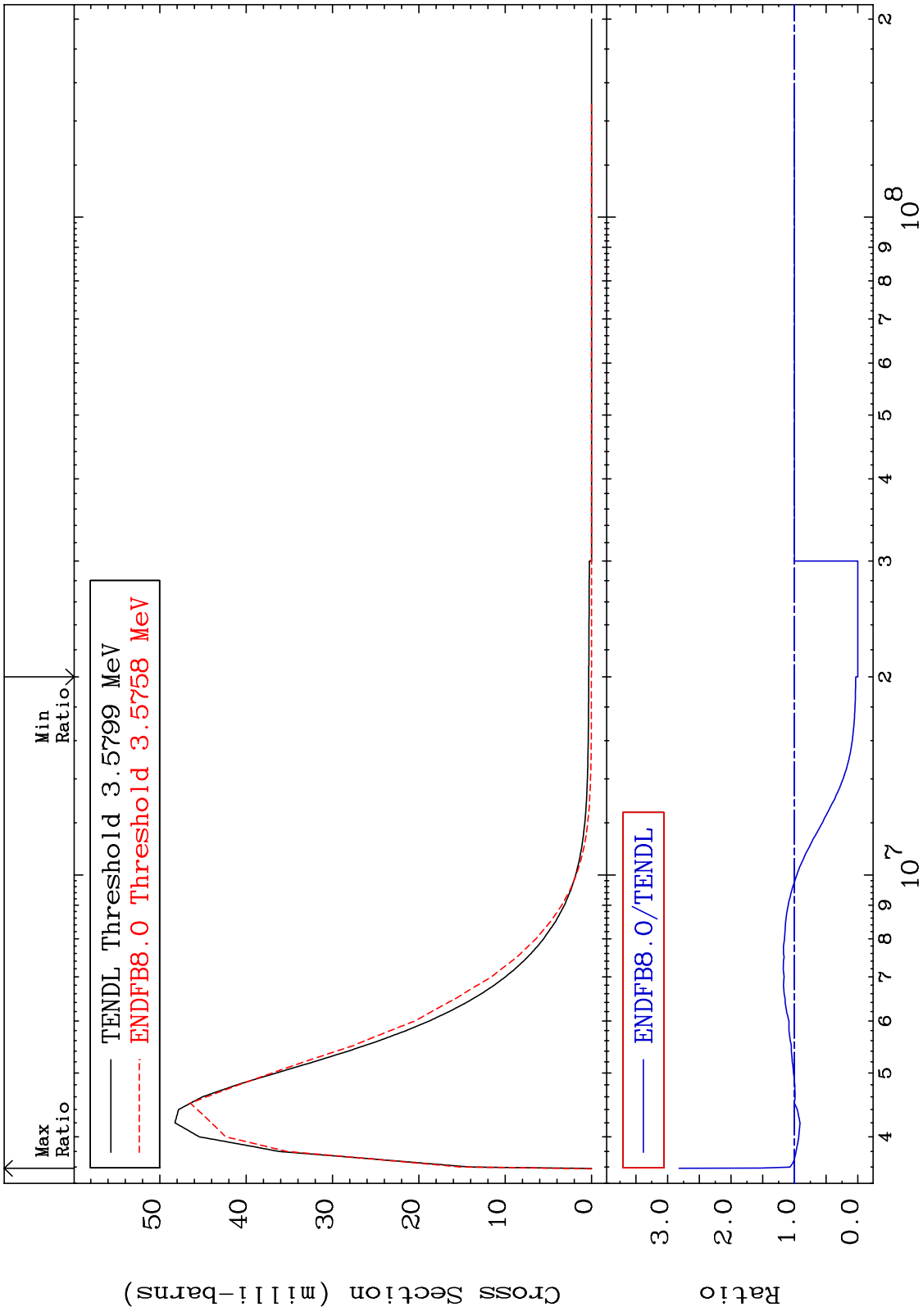
MAT 2837 MT= 66 (n,n') Level Cross Section -100.0 To 463.3 % 28-Ni-62



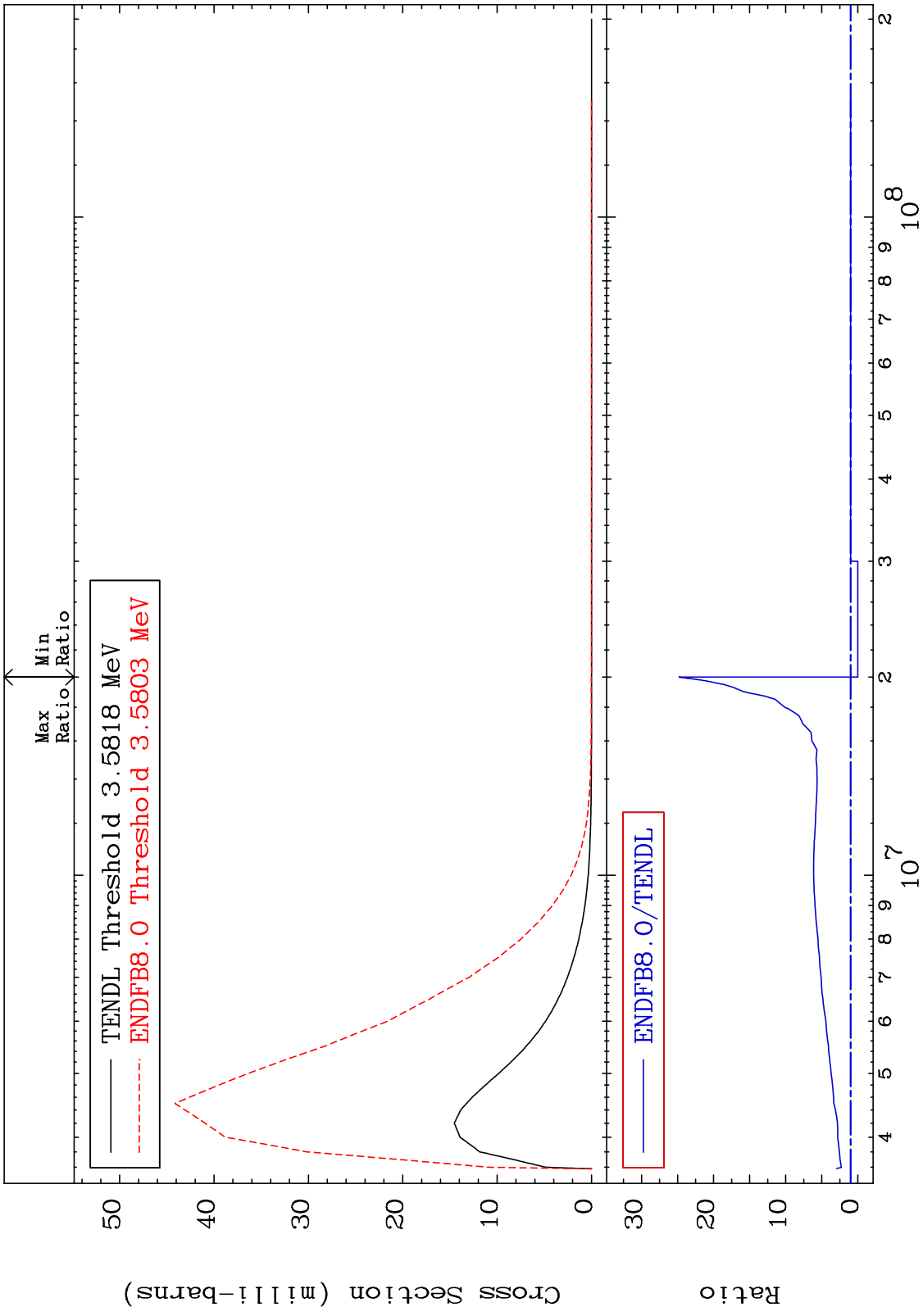
MAT 2837      MT= 67 (n,n') Level Cross Section      28-Ni-62  
 -100.0 To 274.3 %



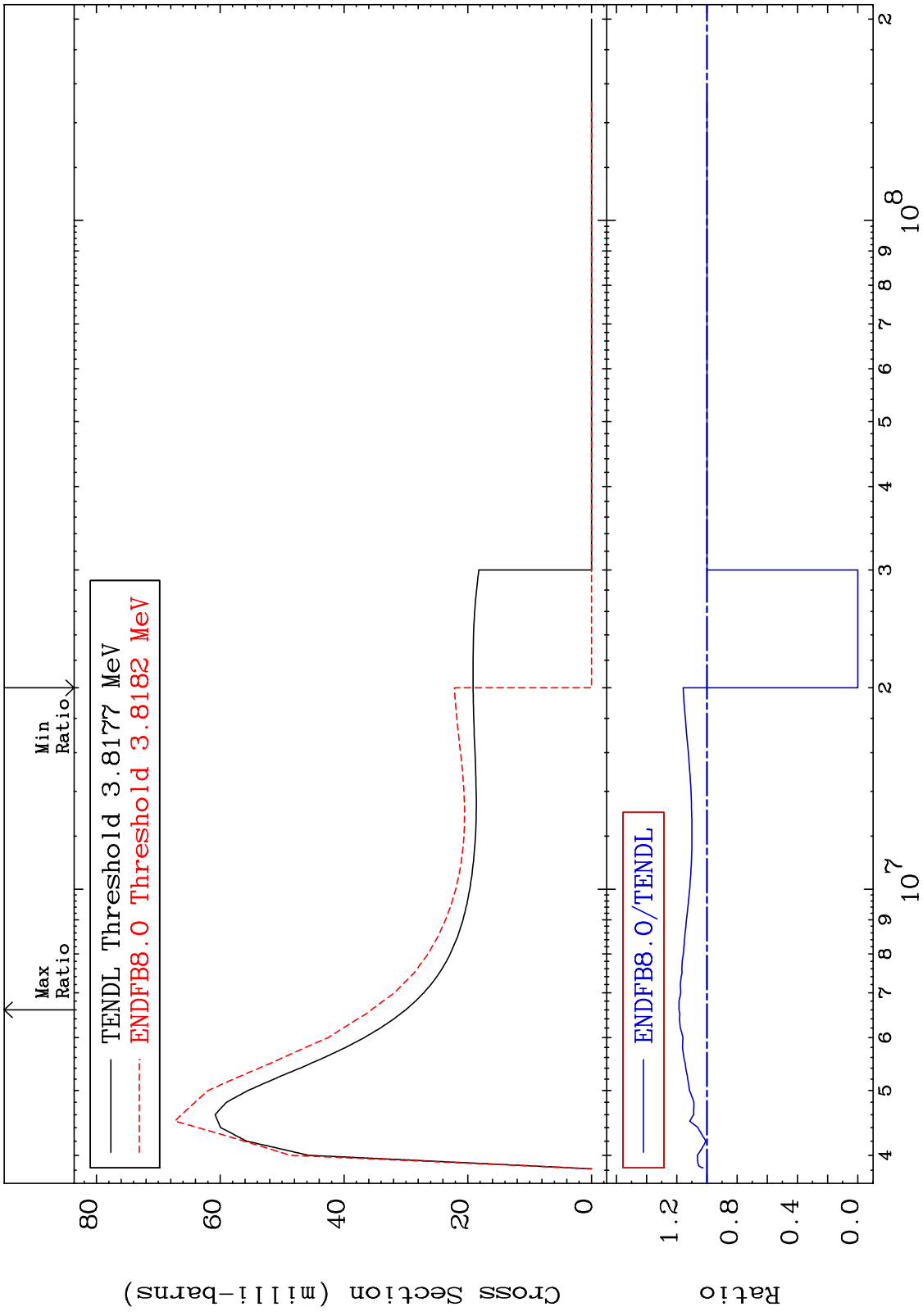
MAT 2837      MT= 68 (n,n') Level Cross Section      28-Ni-62  
 -100.0 To 182.0 %



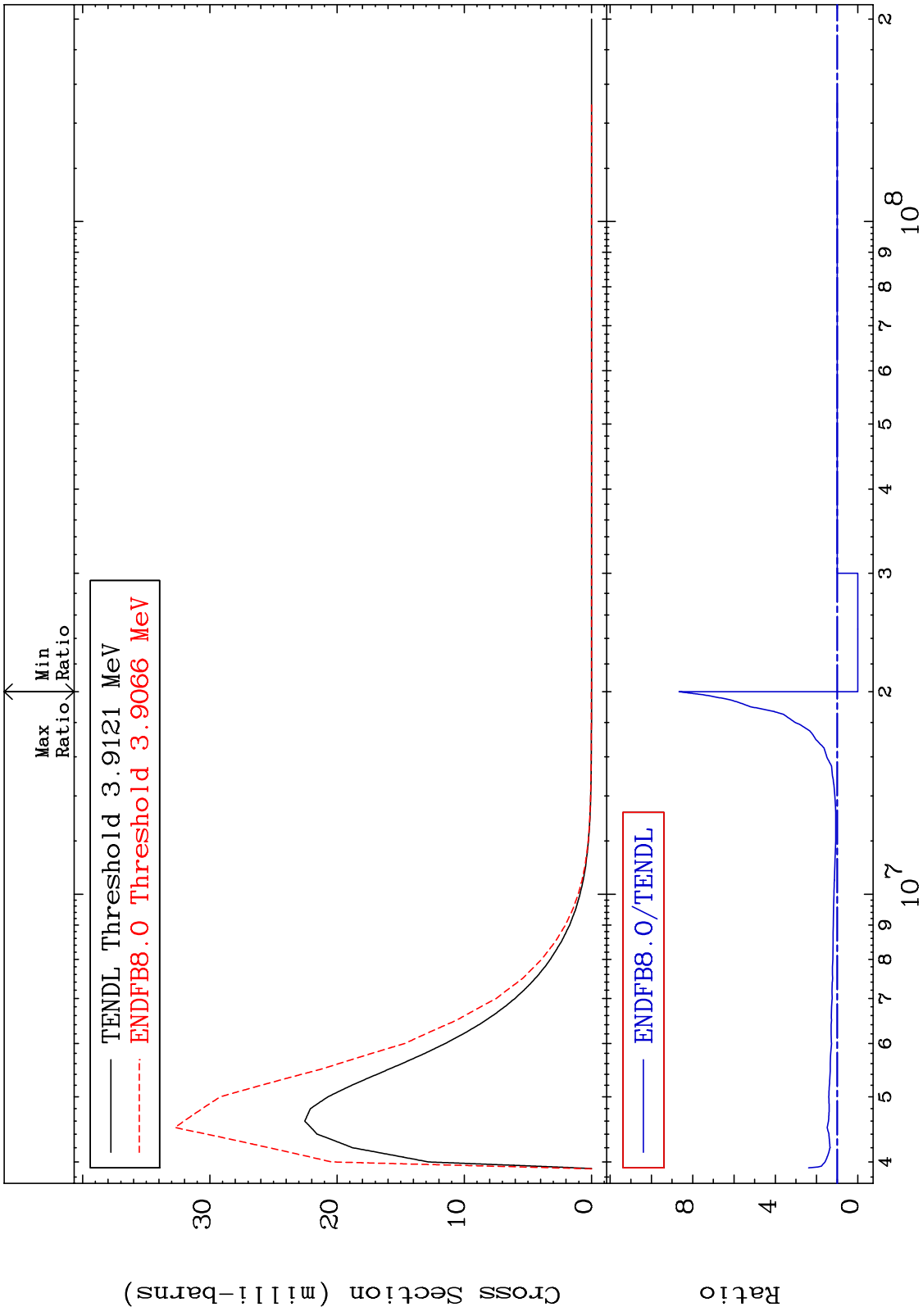
MAT 2837 MT= 69 (n,n') Level Cross Section -100.0 To 2380. % 28-Ni-62



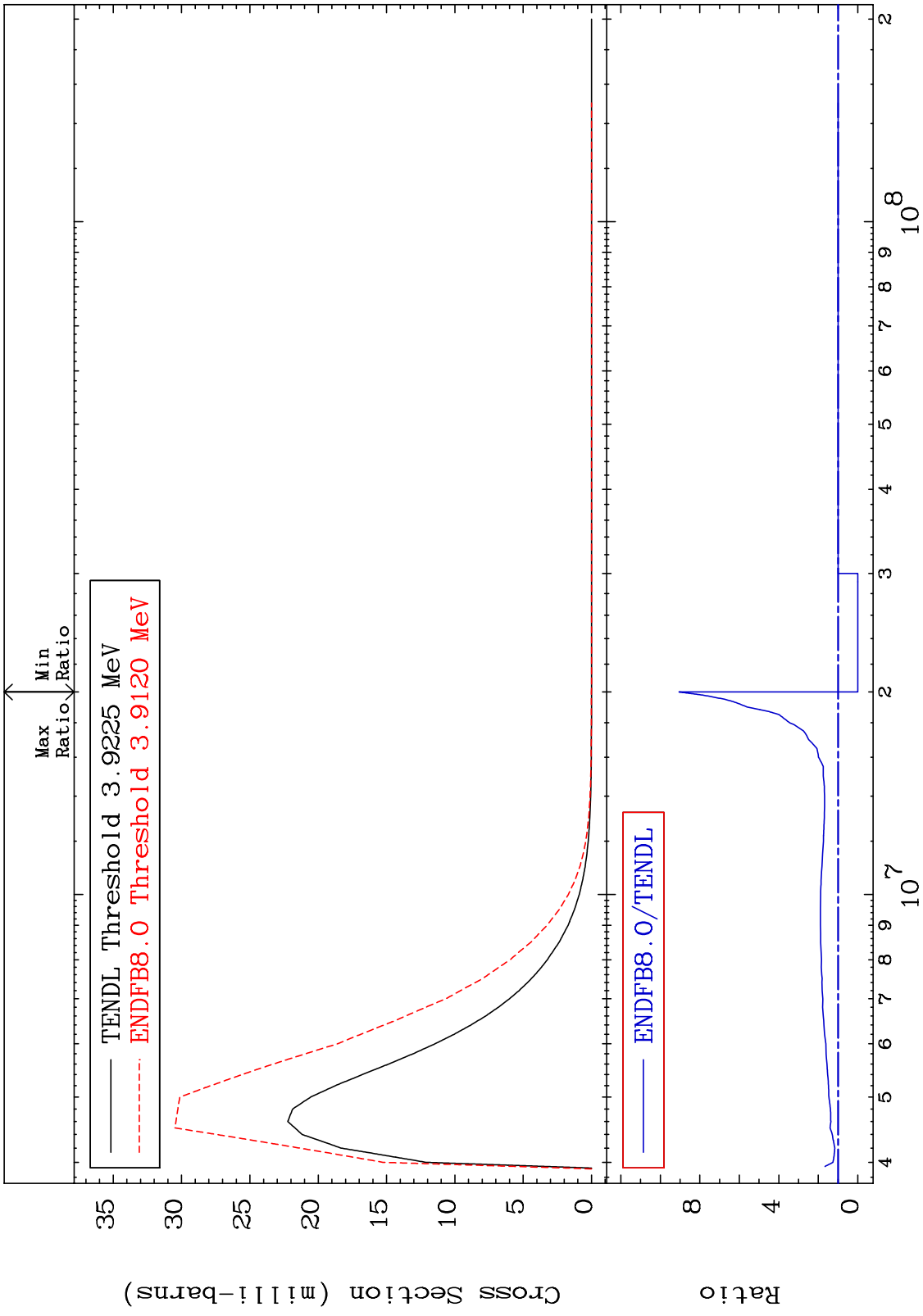
MAT 2837 MT= 70 (n,n') Level Cross Section -100.0 To 18.51 % 28-Ni-62



MAT 2837 MT= 71 (n,n') Level Cross Section -100.0 To 766.3 % 28-Ni-62

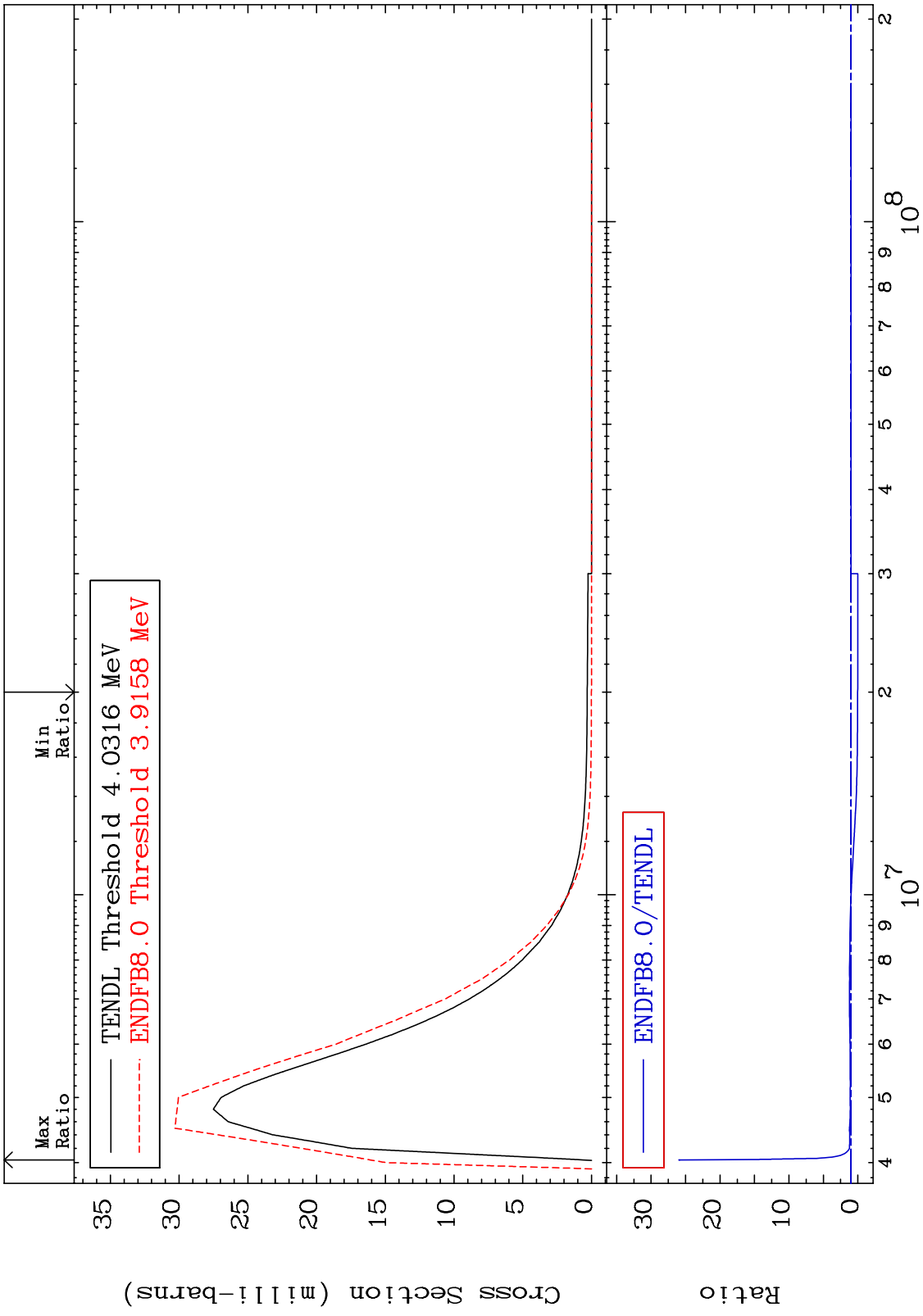


MAT 2837 MT= 72 (n,n') Level Cross Section -100.0 To 805.1 % 28-Ni-62



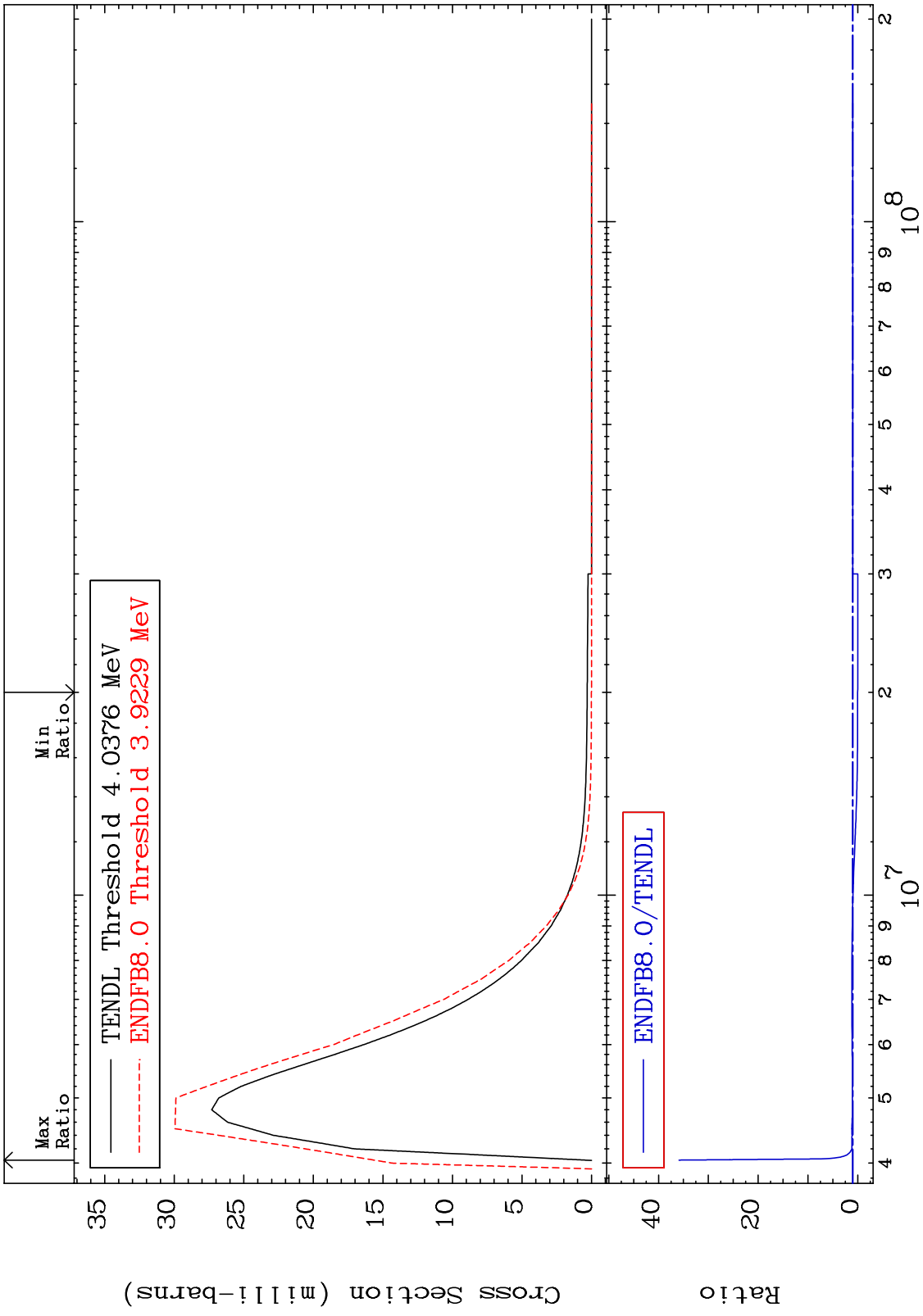
30 Incident Energy (eV) 28-Ni-62

MAT 2837 MT= 73 (n,n') Level Cross Section -100.0 To 2495. % 28-Ni-62

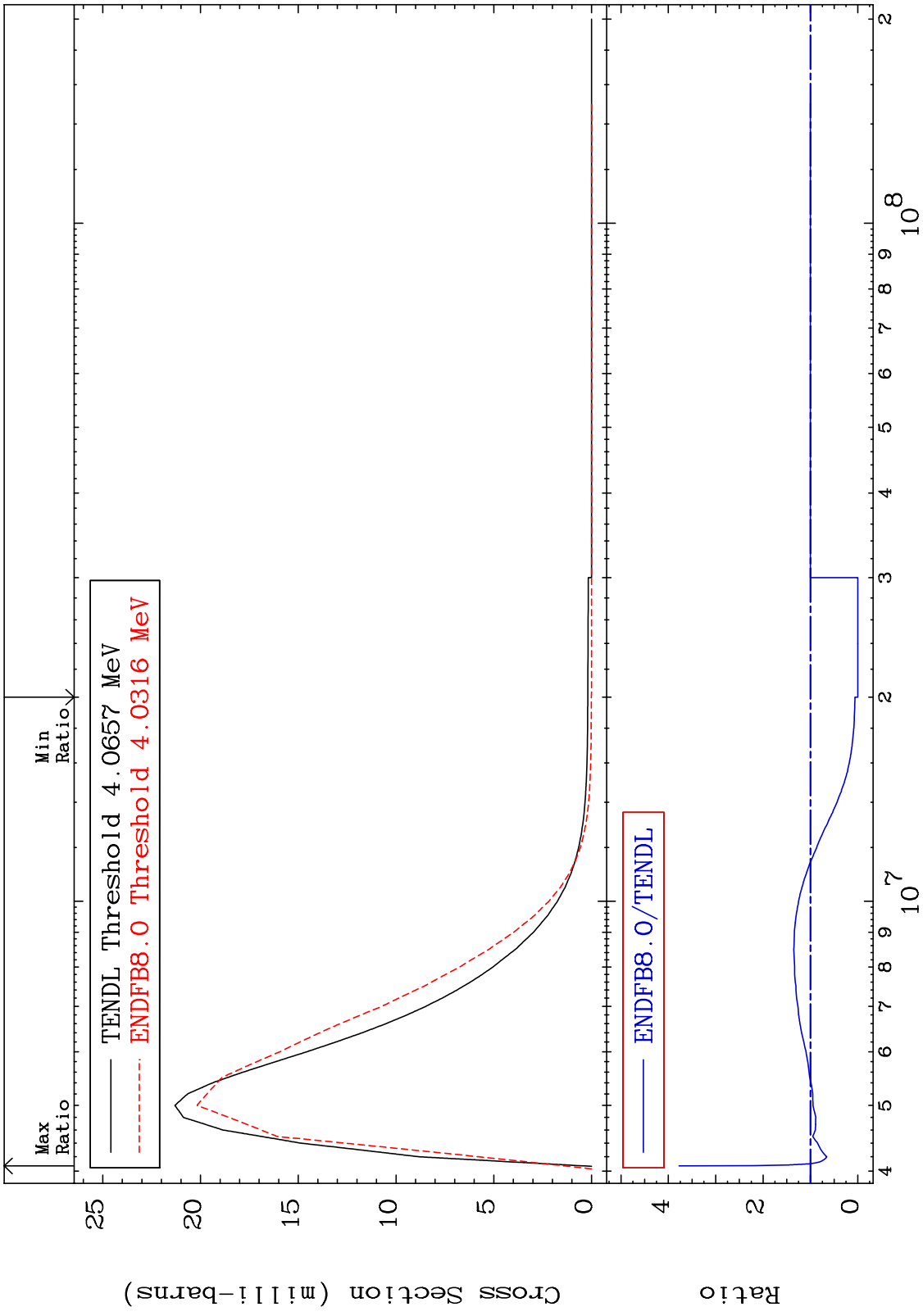




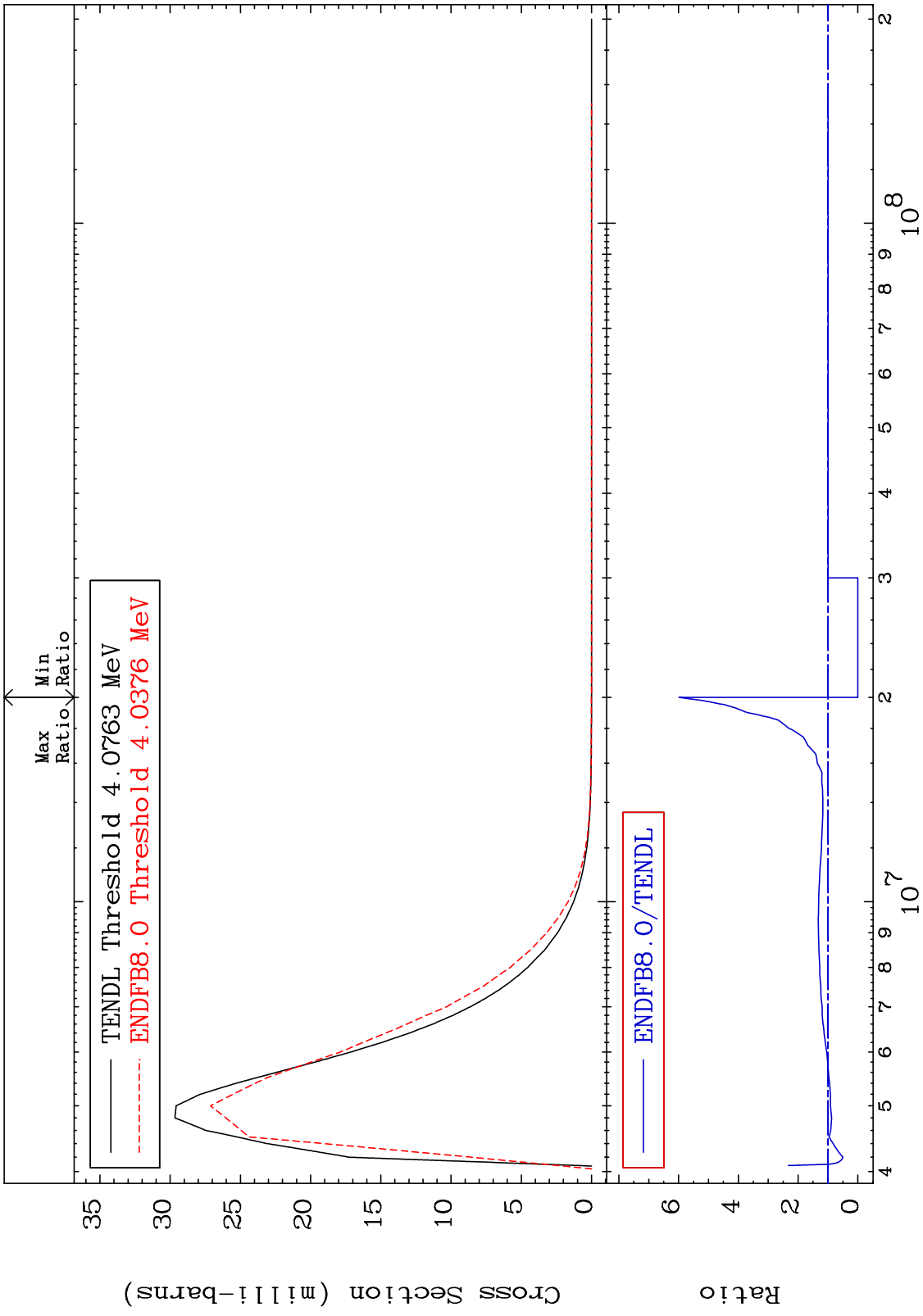
MAT 2837      MT= 74 (n,n') Level      28-Ni-62  
 Cross Section      -100.0 To 3489. %



MAT 2837 MT= 75 (n,n') Level Cross Section -100.0 To 277.4 % 28-Ni-62

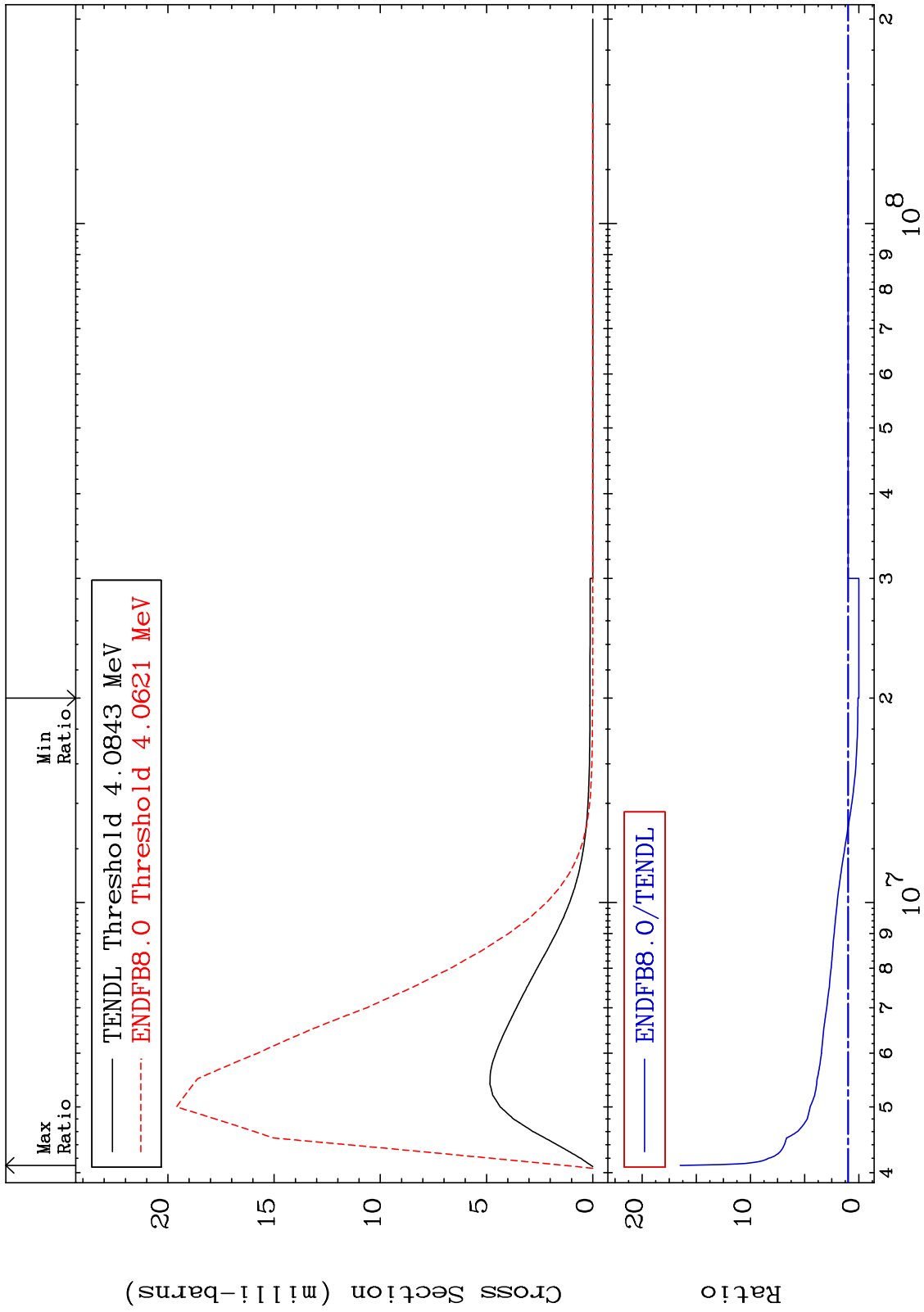


MAT 2837      MT= 76 (n,n') Level      28-Ni-62  
 Cross Section      -100.0 To 498.6 %

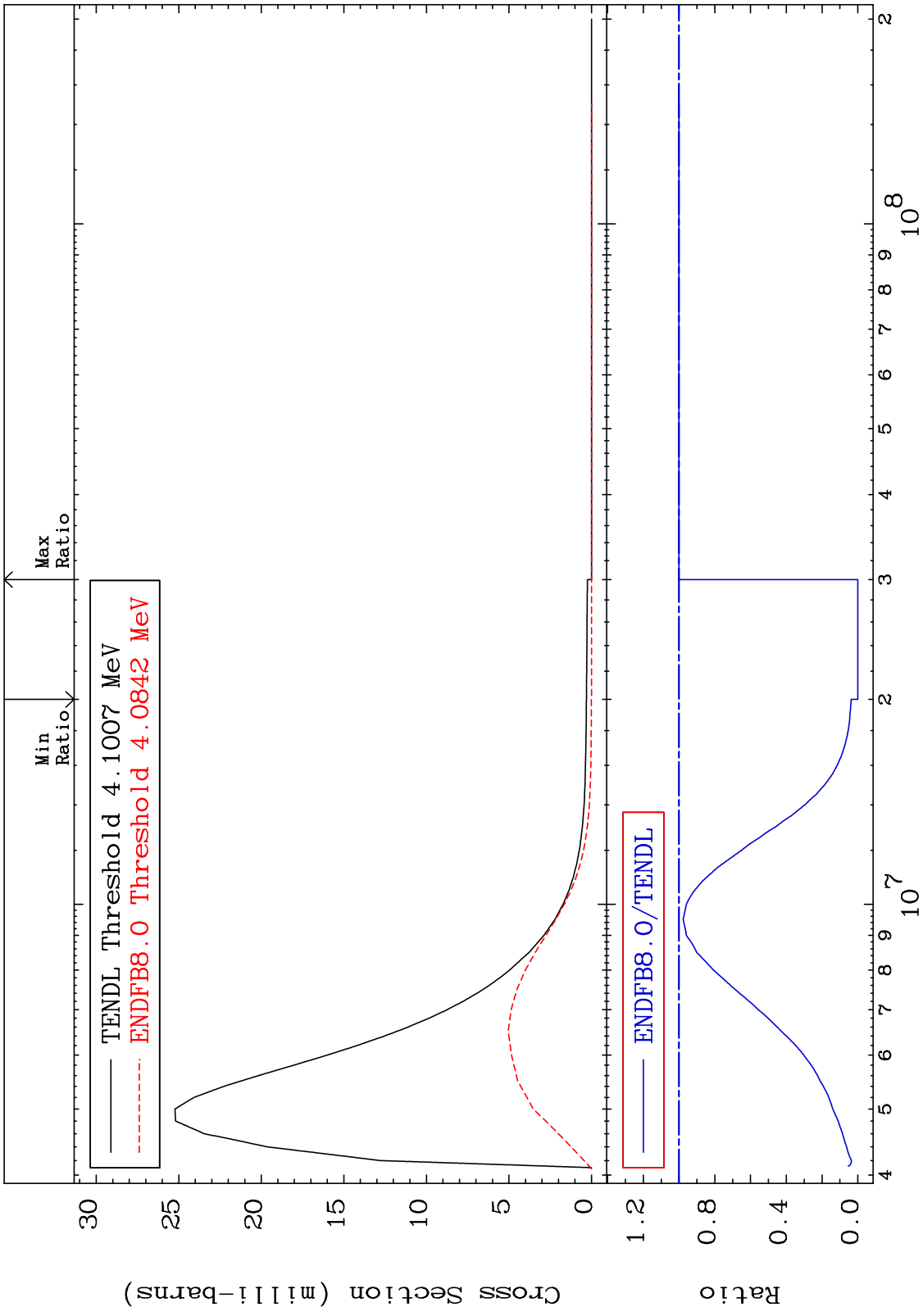


34      Incident Energy (eV)      28-Ni-62

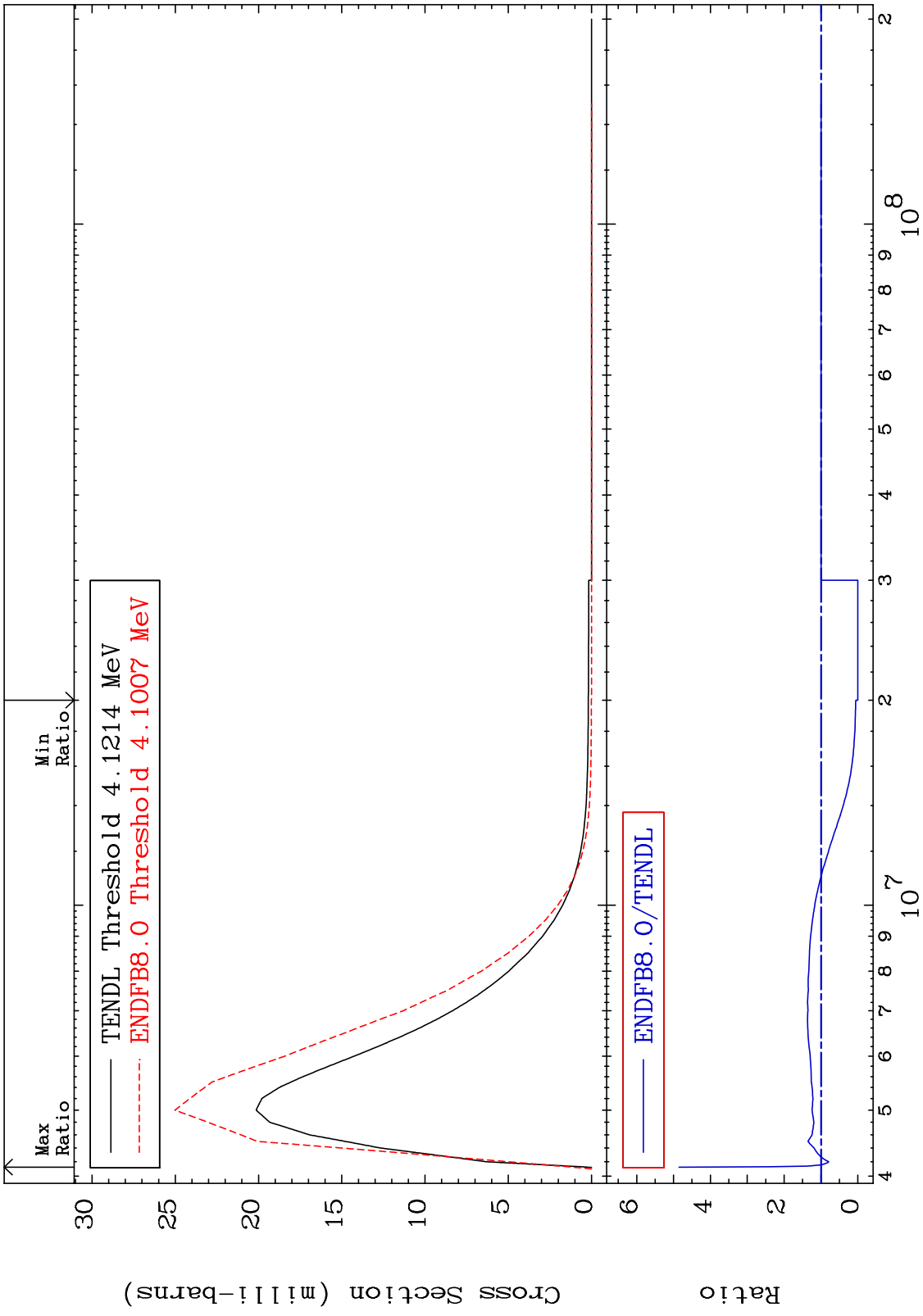
MAT 2837 MT= 77 (n,n') Level Cross Section -100.0 To 1549. % 28-Ni-62



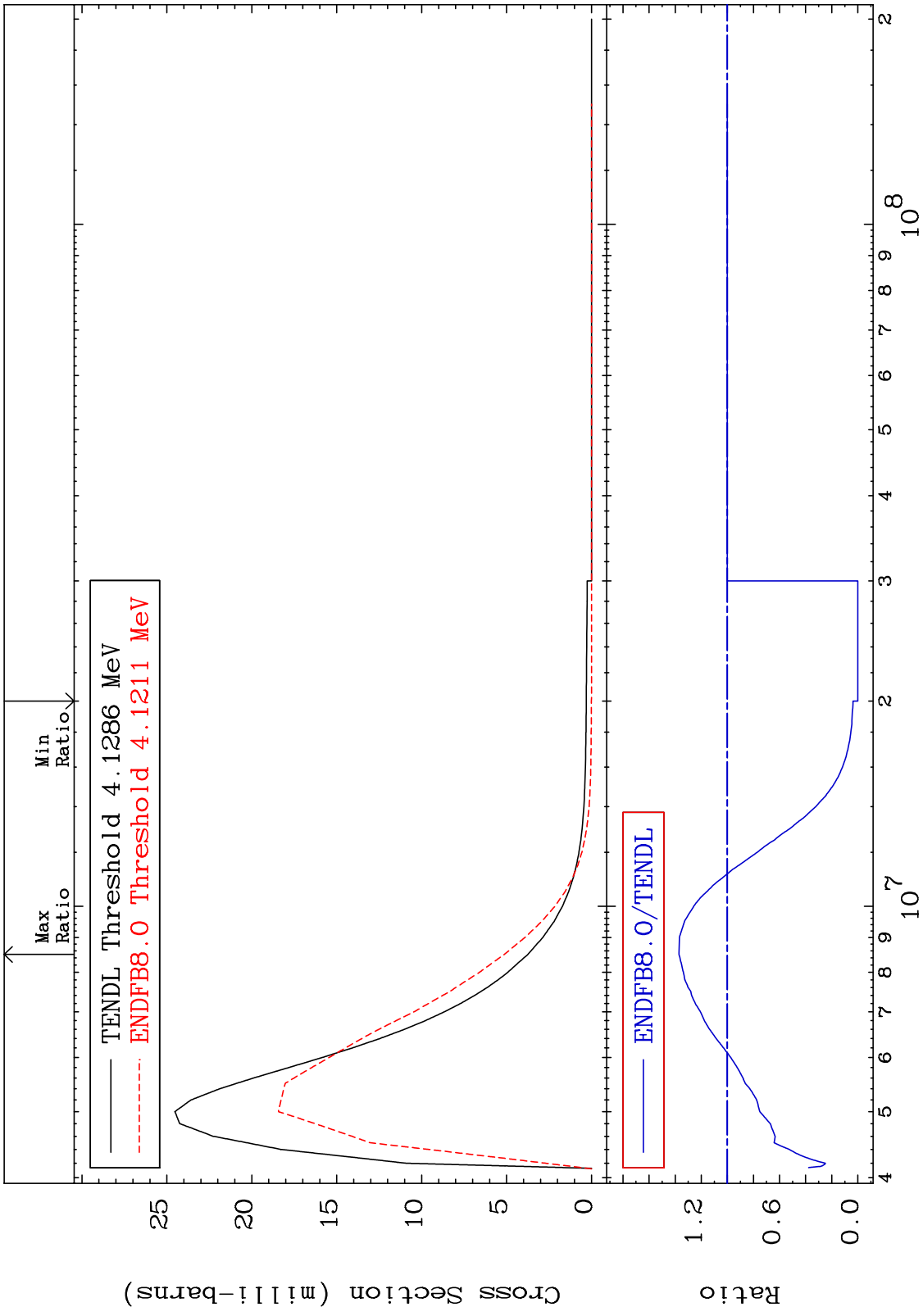
MAT 2837 MT= 78 (n,n') Level Cross Section -100.0 To 0.000 % 28-Ni-62

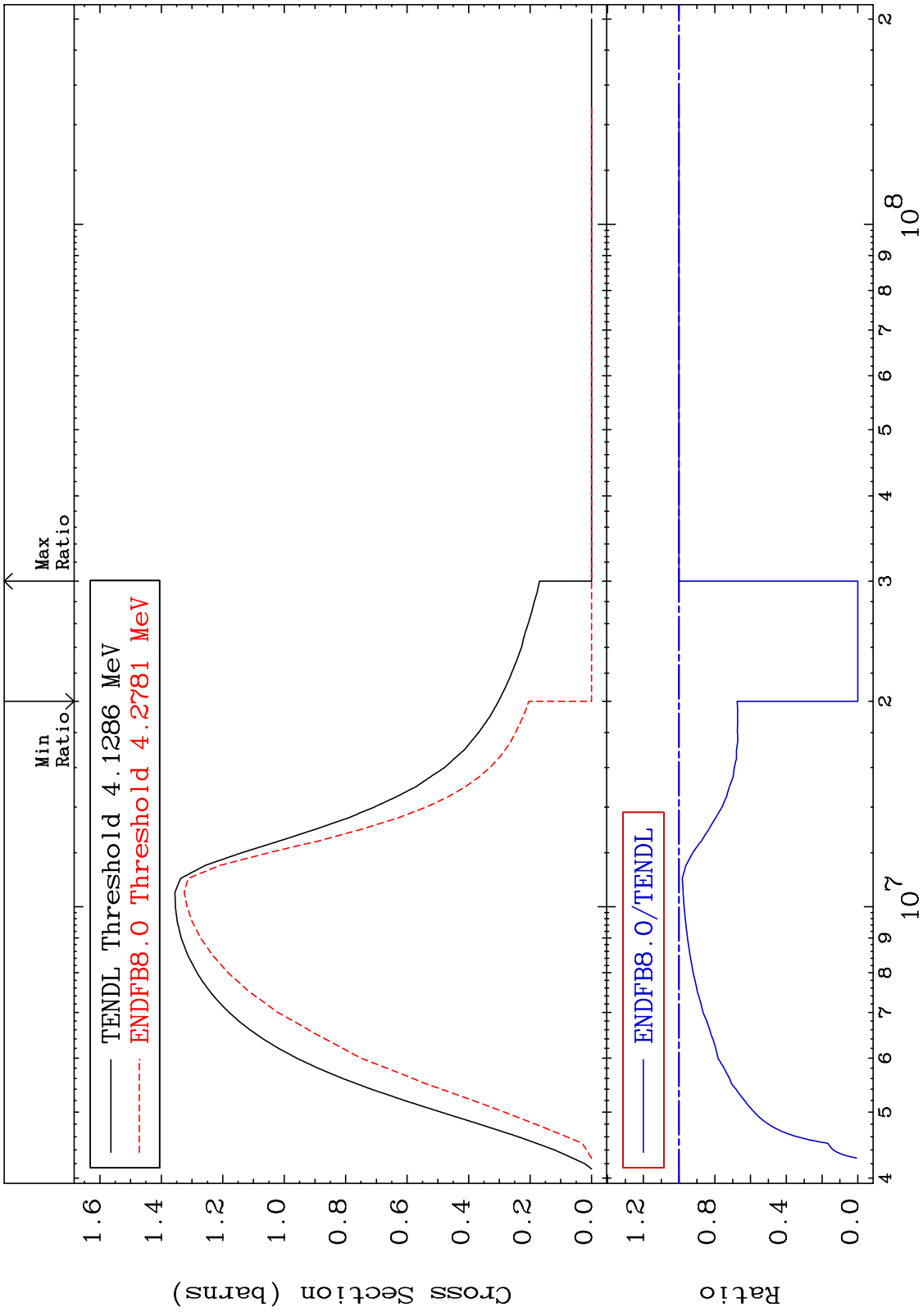


MAT 2837 MT= 79 (n,n') Level Cross Section -100.0 To 385.1 % 28-Ni-62



MAT 2837 MT= 80 (n,n') Level Cross Section -100.0 To 37.02 % 28-Ni-62







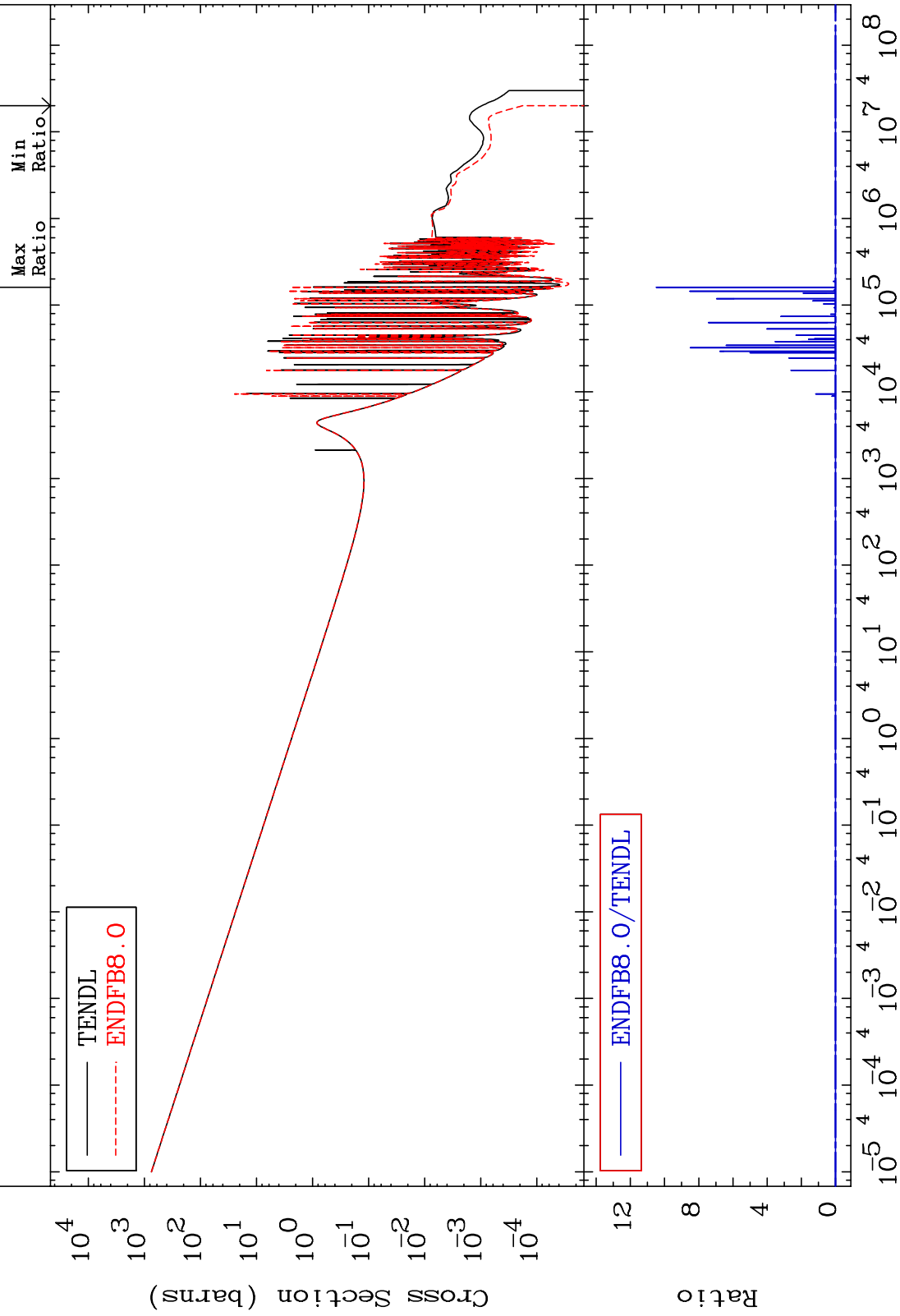
MAT 2837

(n,  $\gamma$ )

28-Ni-62

Cross Section

-100.0 To 9999. %

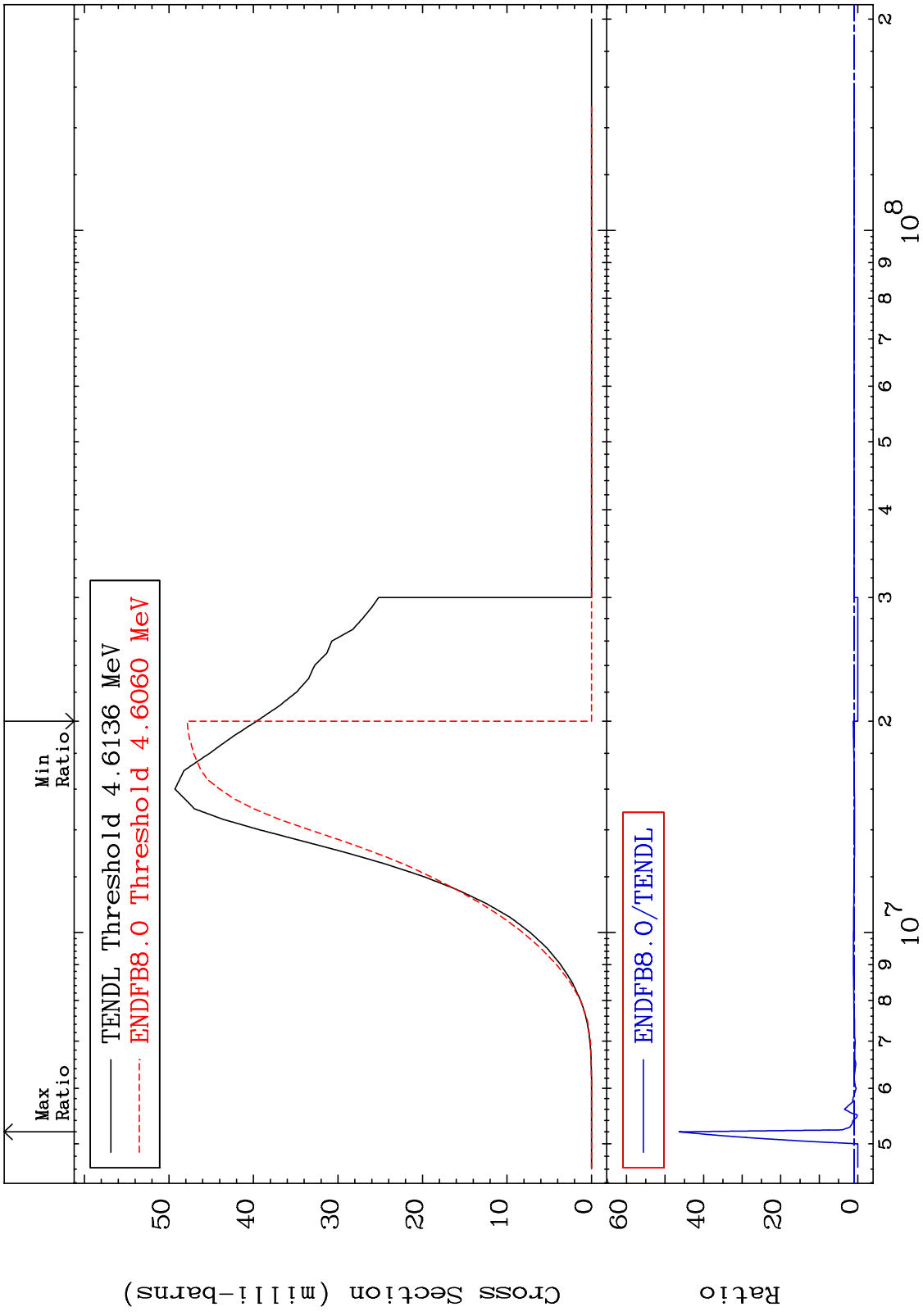


40

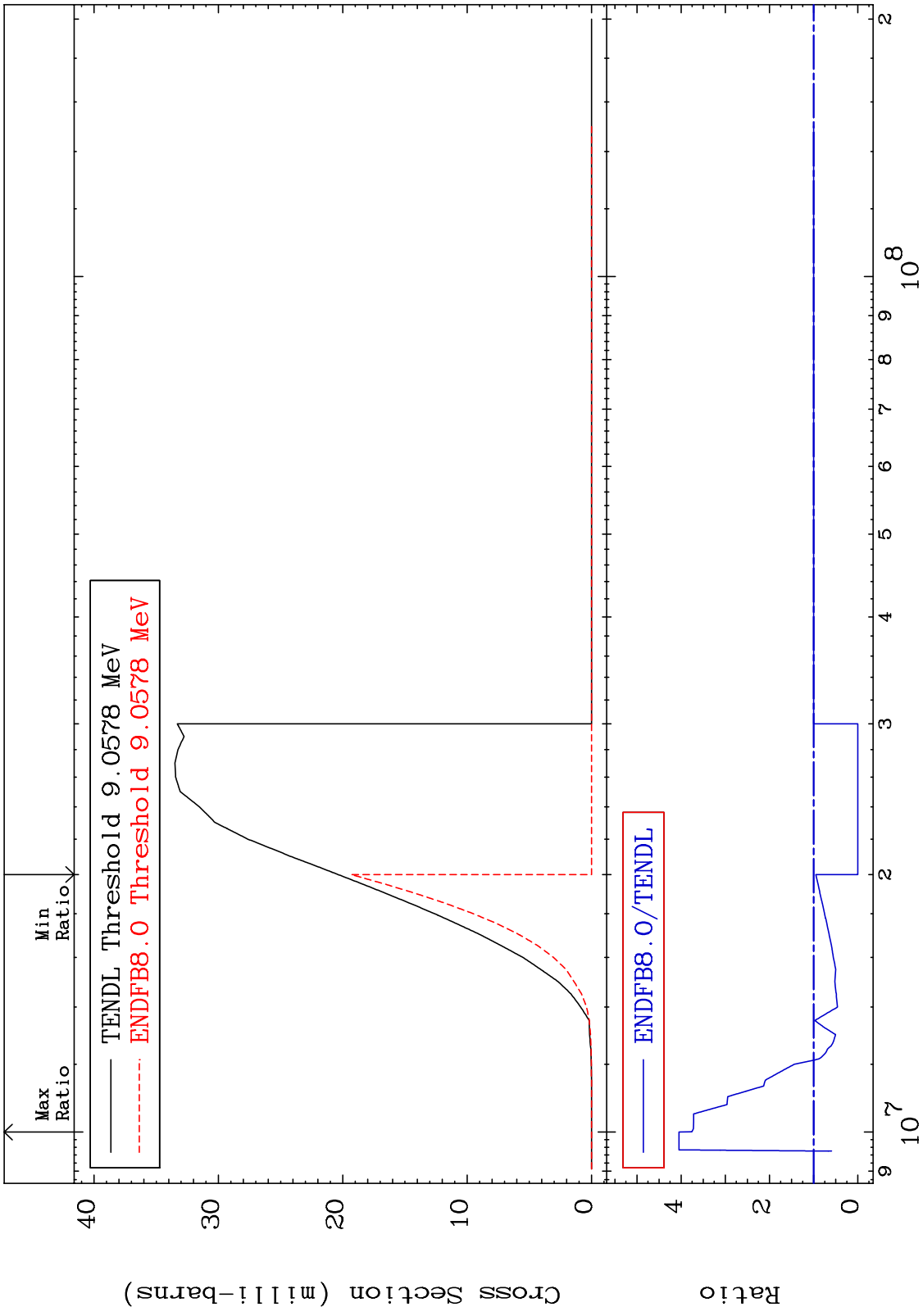
Incident Energy (eV)

28-Ni-62

MAT 2837 (n,p) Cross Section 28-Ni-62 -100.0 To 4537. %

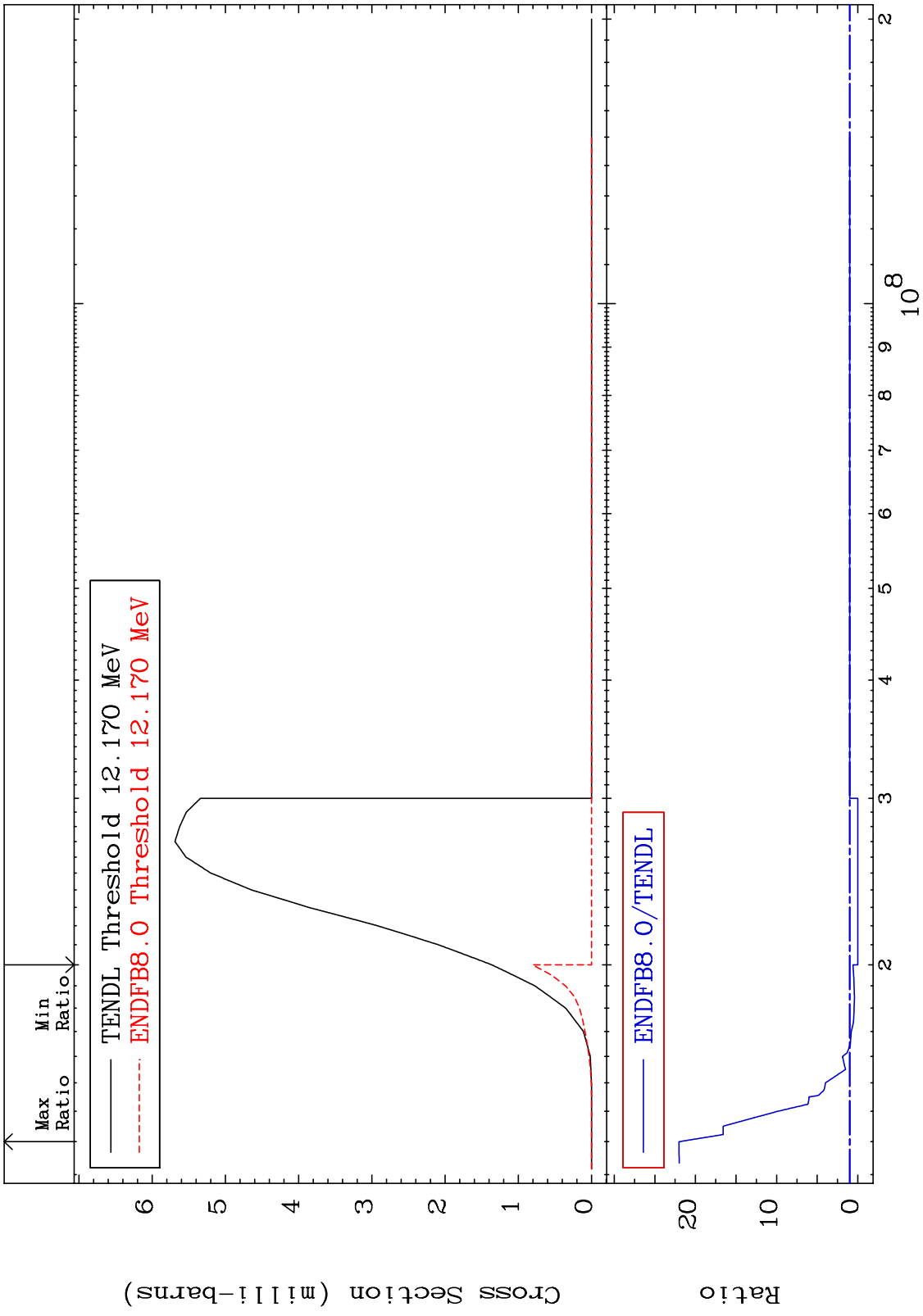


MAT 2837 (n,d) Cross Section 28-Ni-62 -100.0 To 304.7 %

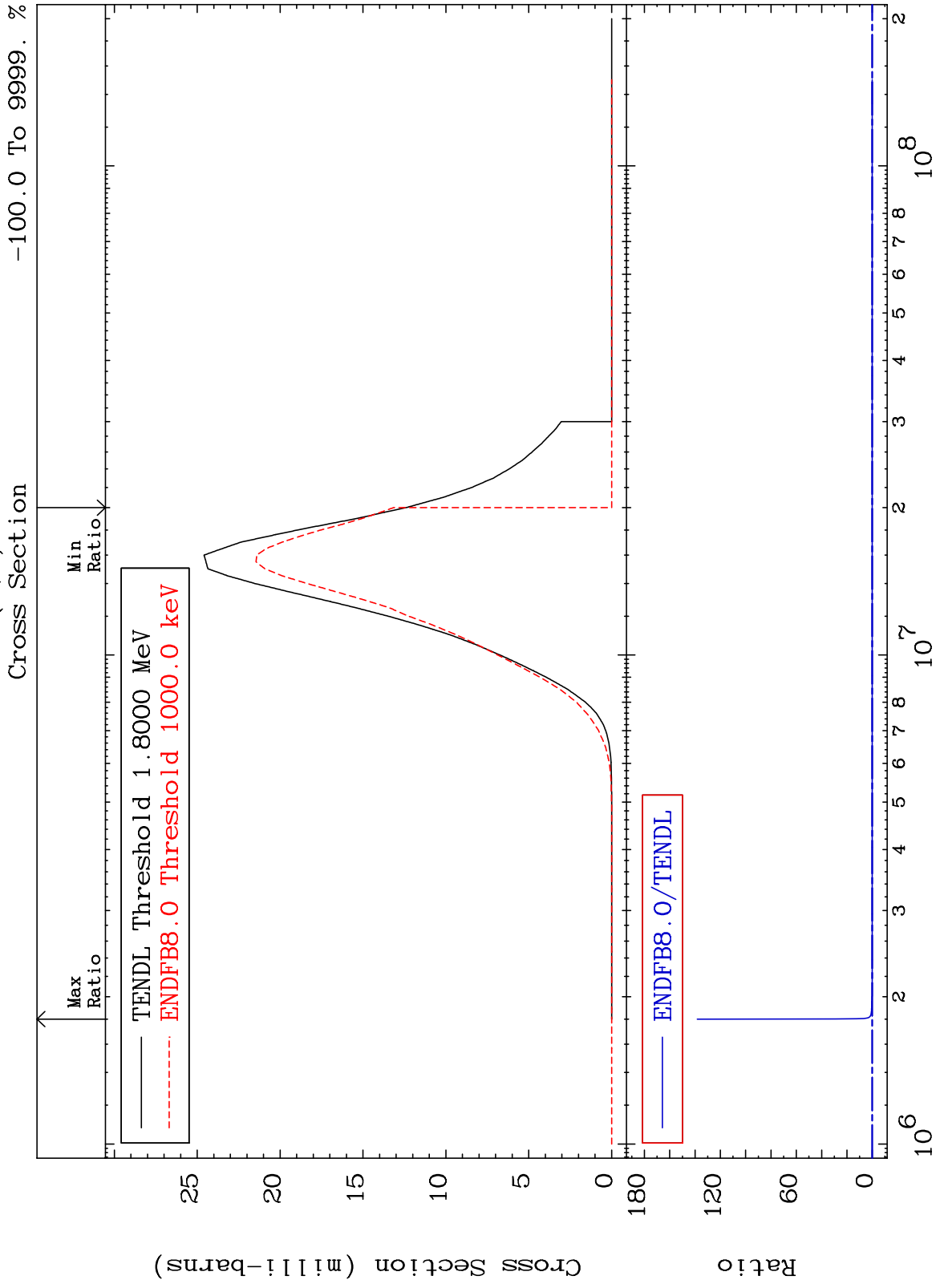


42 28-Ni-62

MAT 2837 (n,t) 28-Ni-62  
 Cross Section -100.0 To 2102. %



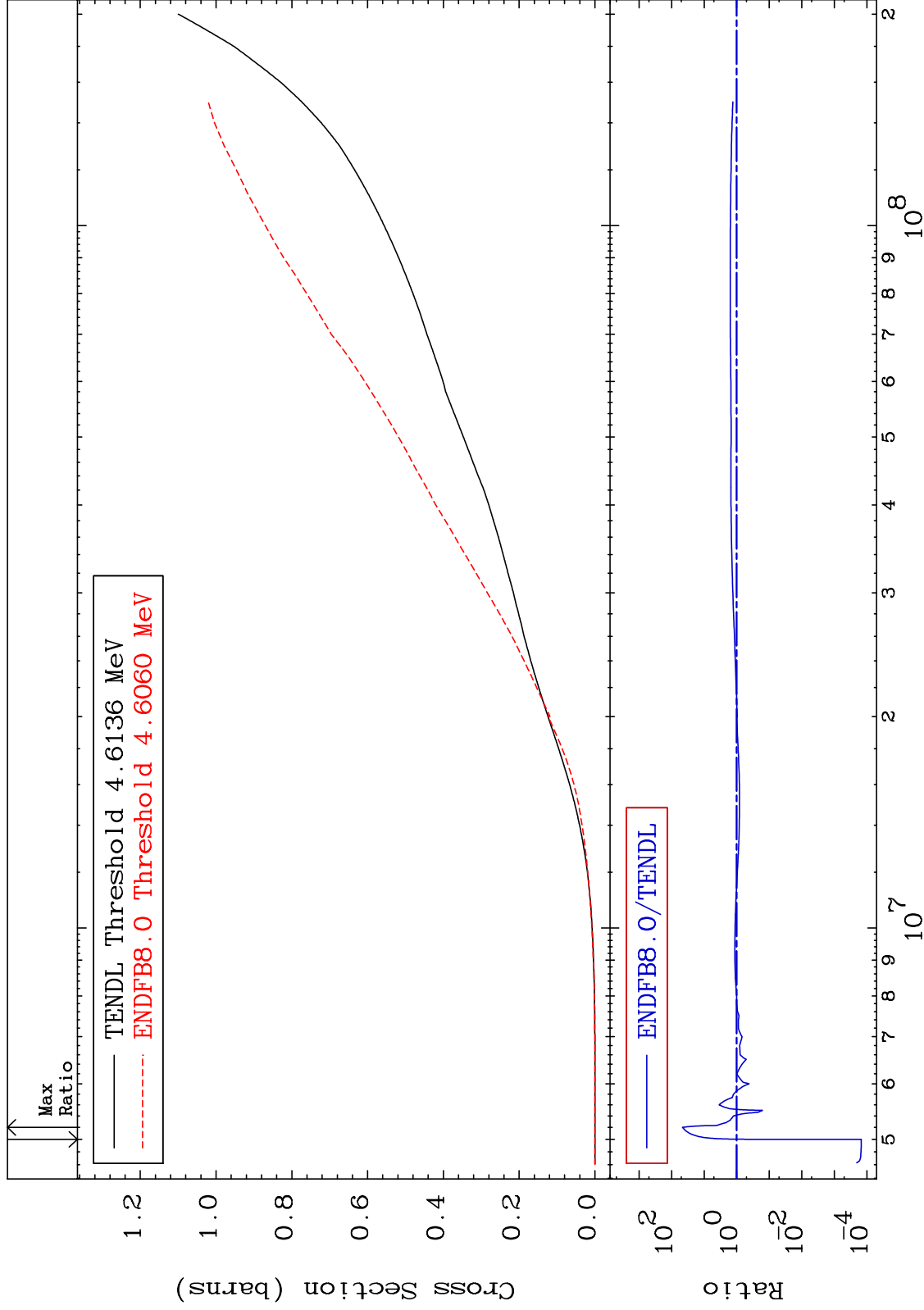
MAT 2837 (n,α) 28-Ni-62 -100.0 To 9999. %



MAT 2837

Hydrogen Production  
Cross Section

28-Ni-62  
-99.99 To 4537. %



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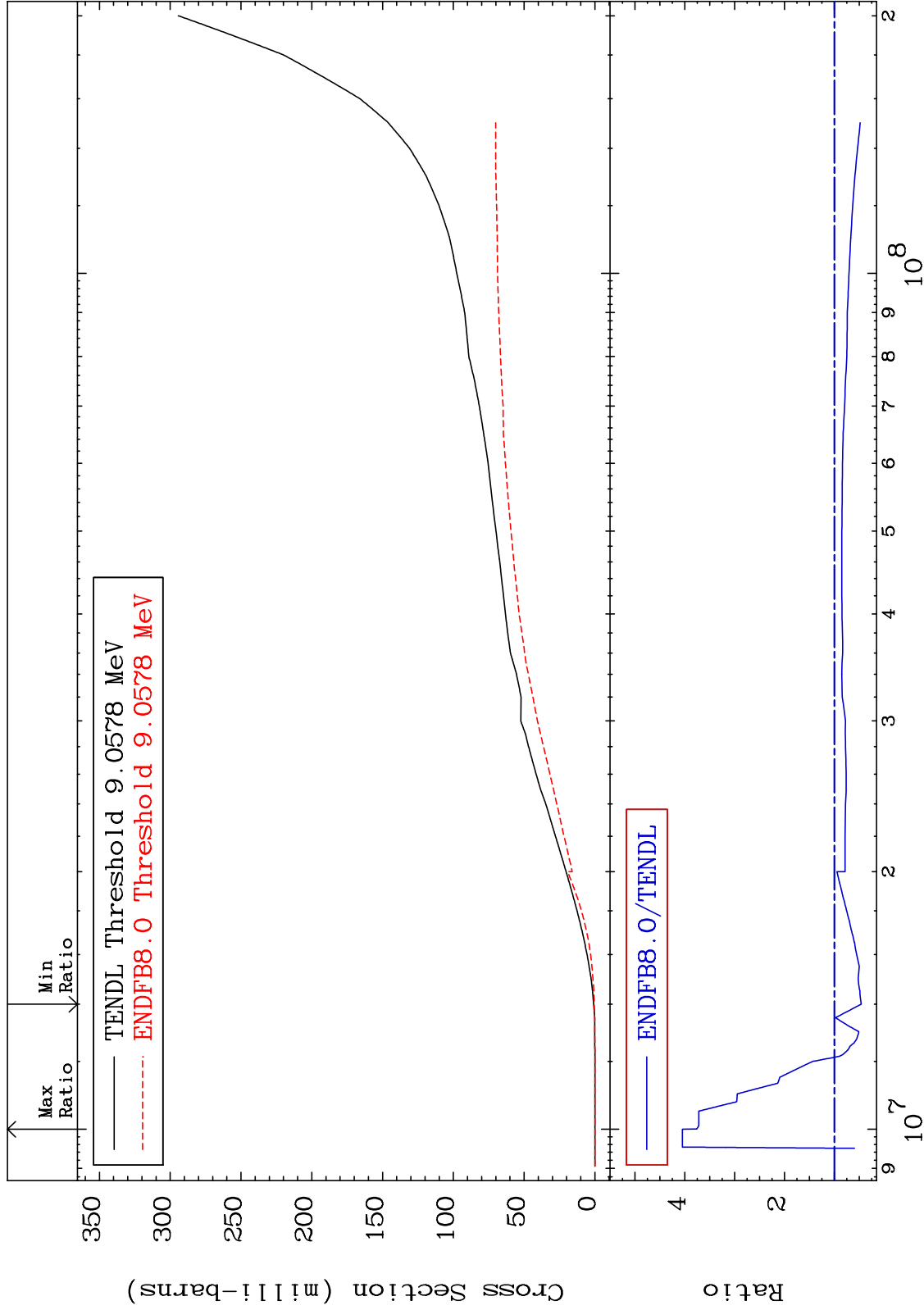
Incident Energy (eV)

28-Ni-62

MAT 2837

Deuterium Production  
Cross Section

28-Ni-62  
-54.07 To 304.7 %



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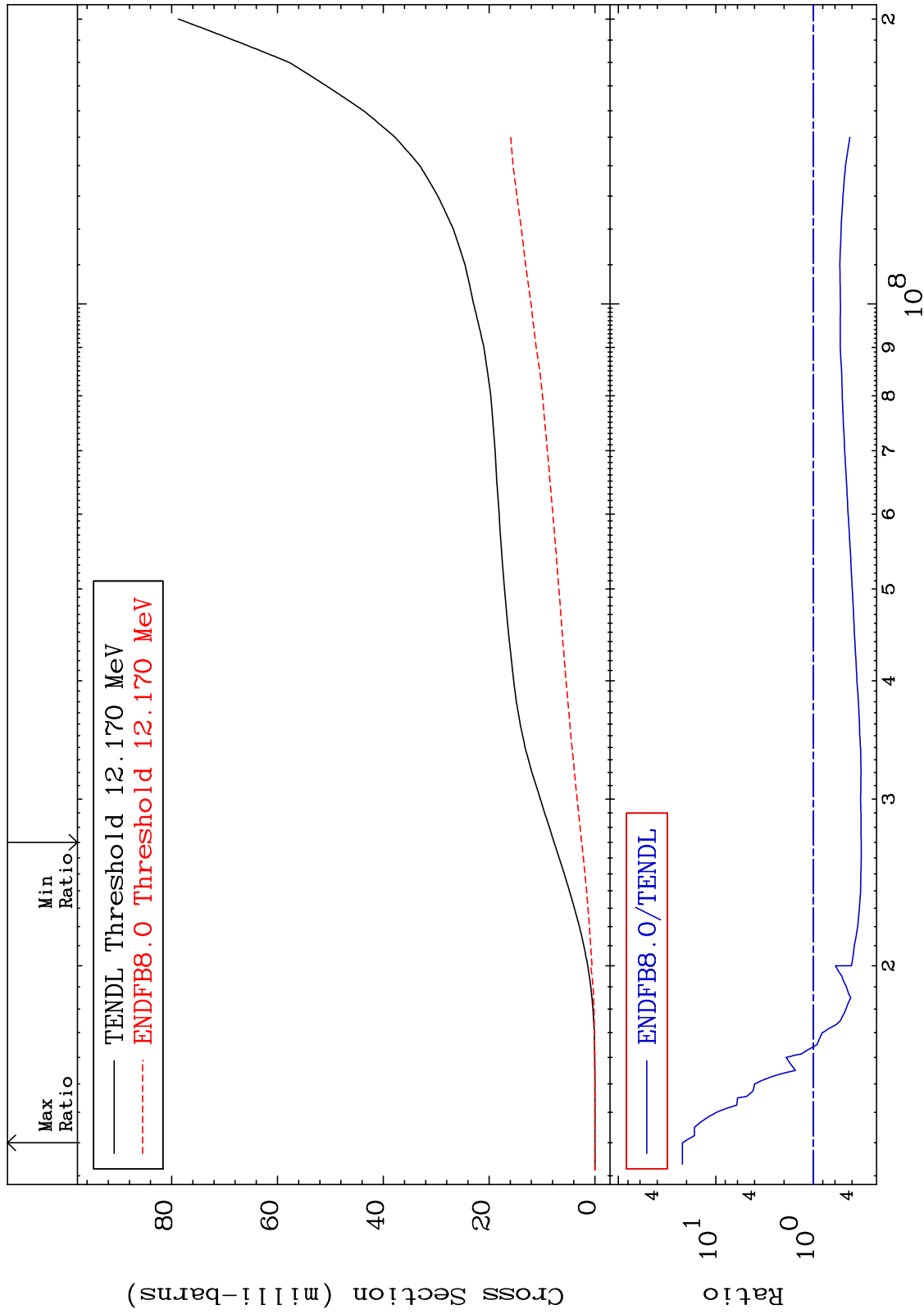
Incident Energy (eV)

28-Ni-62

MAT 2837

Tritium Production  
Cross Section

28-Ni-62  
-67.82 To 2102. %

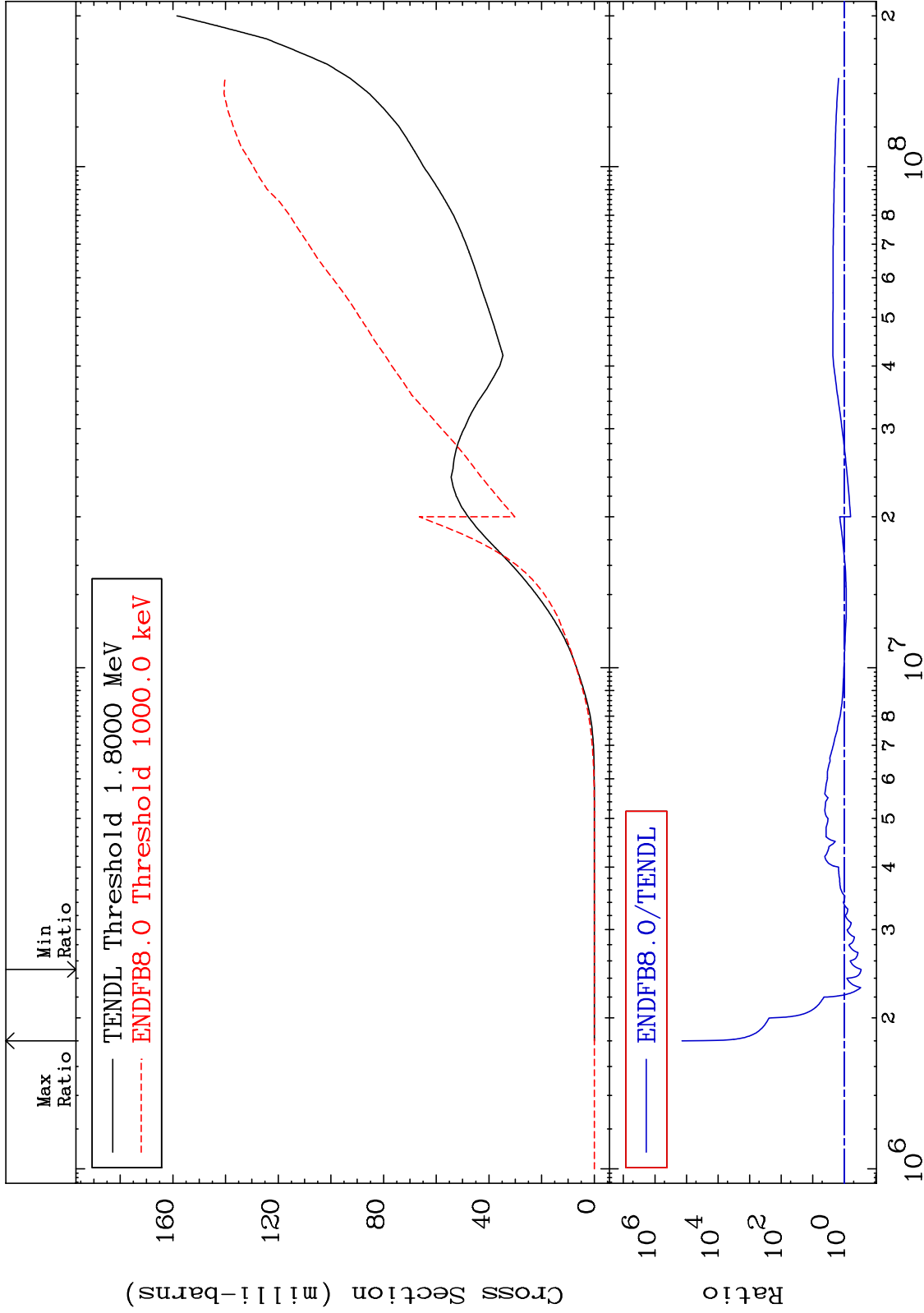




MAT 2837

He-4 Production  
Cross Section

28-Ni-62  
-71.03 To 9999. %

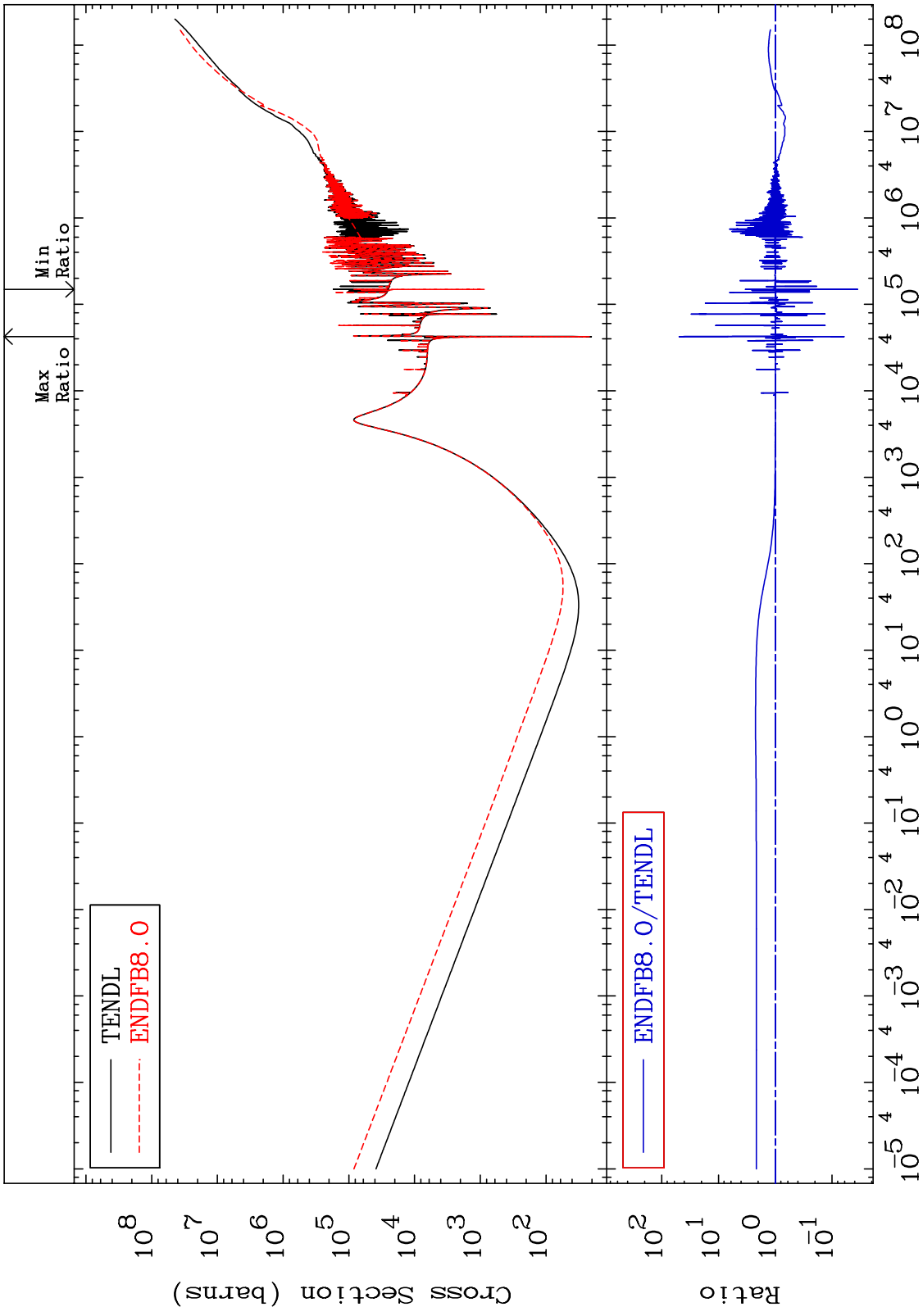


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Incident Energy (eV)

28-Ni-62

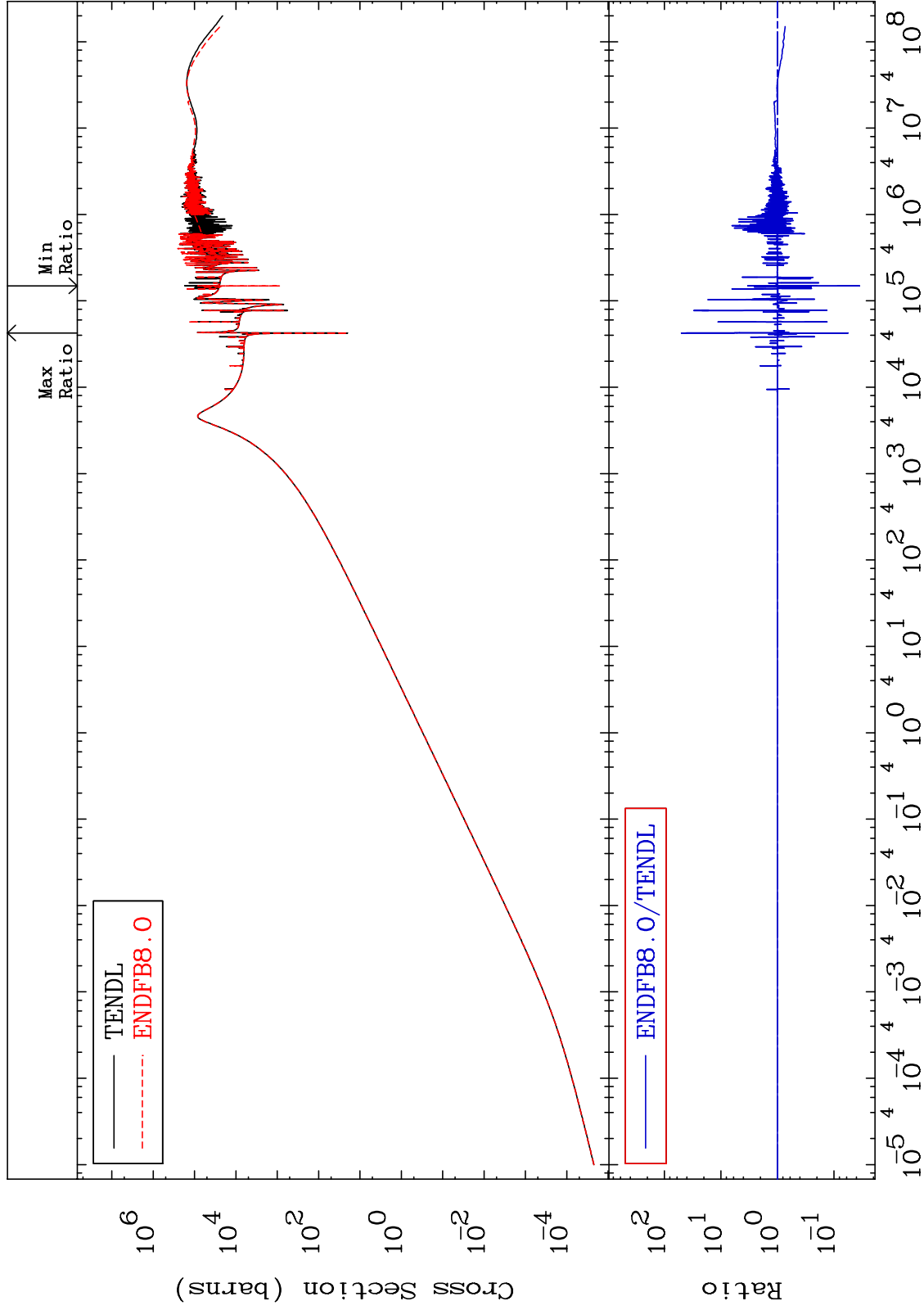
MAT 2837      Kerma total (eV-barns)      28-Ni-62  
 Cross Section      -96.48 To 4853. %



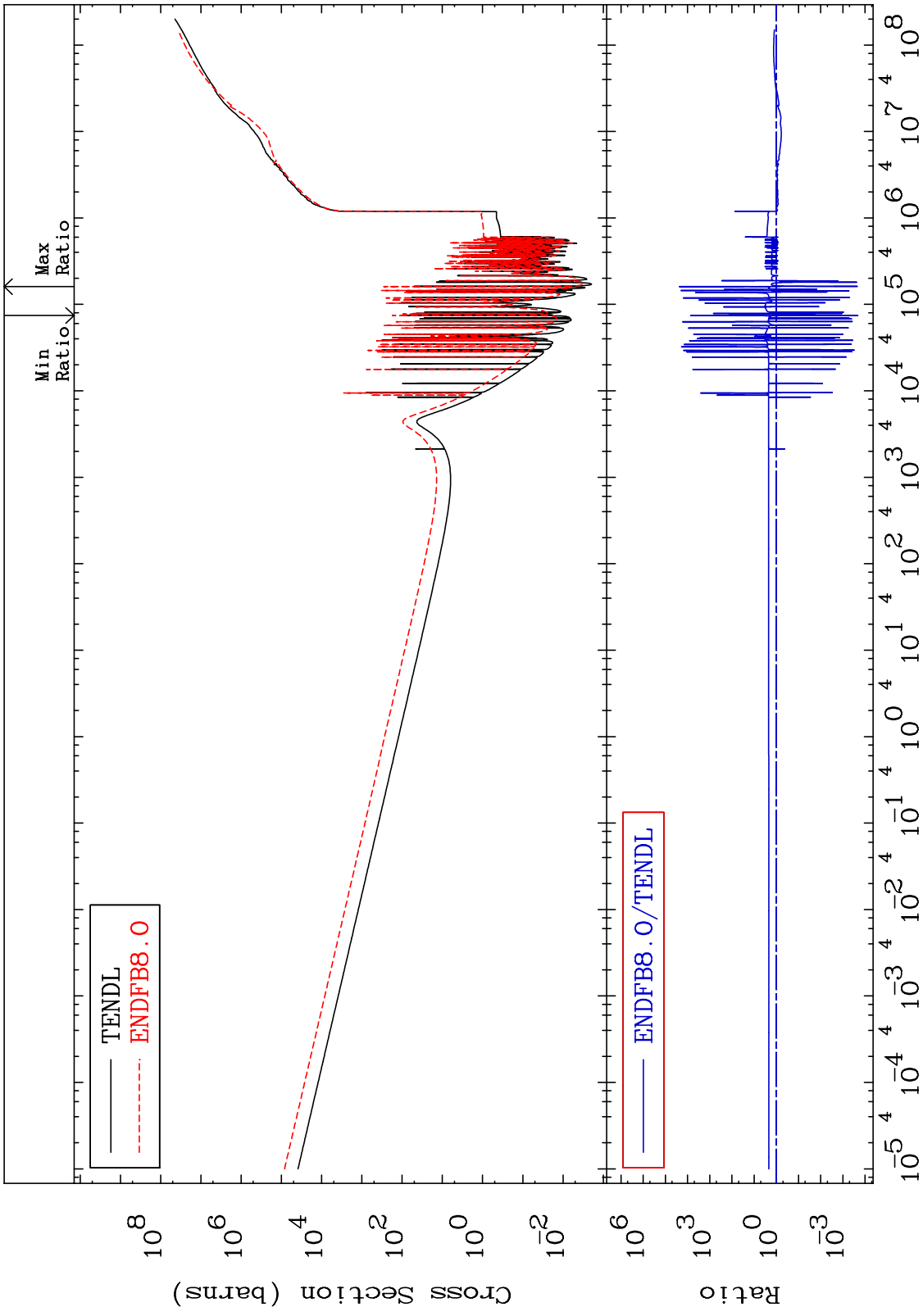
MAT 2837

Kerma elastic  
Cross Section

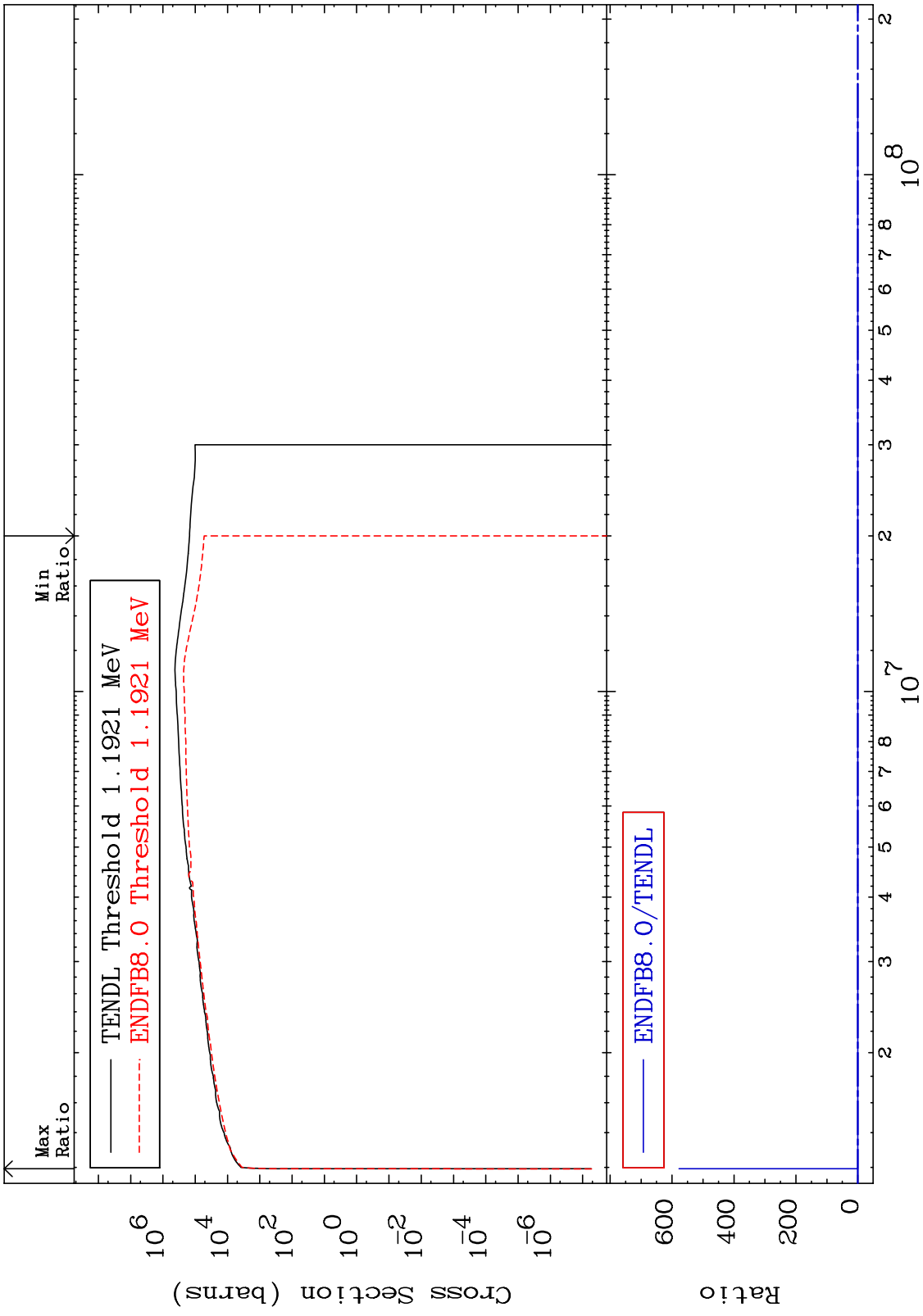
28-Ni-62  
-96.50 To 4938. %



MAT 2837      Kerma non-elastic (all but mt2)      28-Ni-62  
 Cross Section      -99.98 To 9999. %



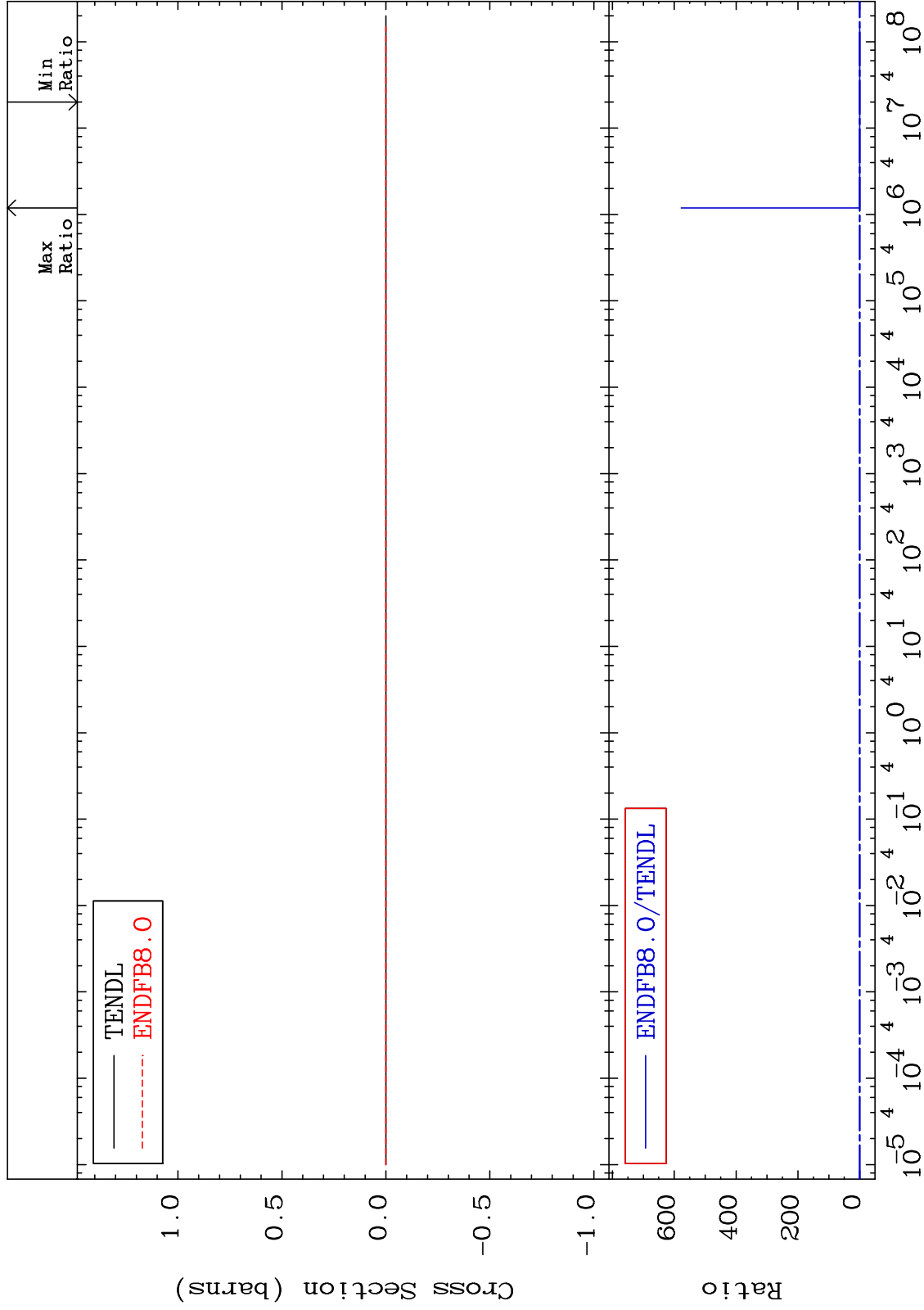
MAT 2837 Kerma inelastic (mt51-91) 28-Ni-62  
 -100.0 To 9999. %  
 Cross Section



MAT 2837

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

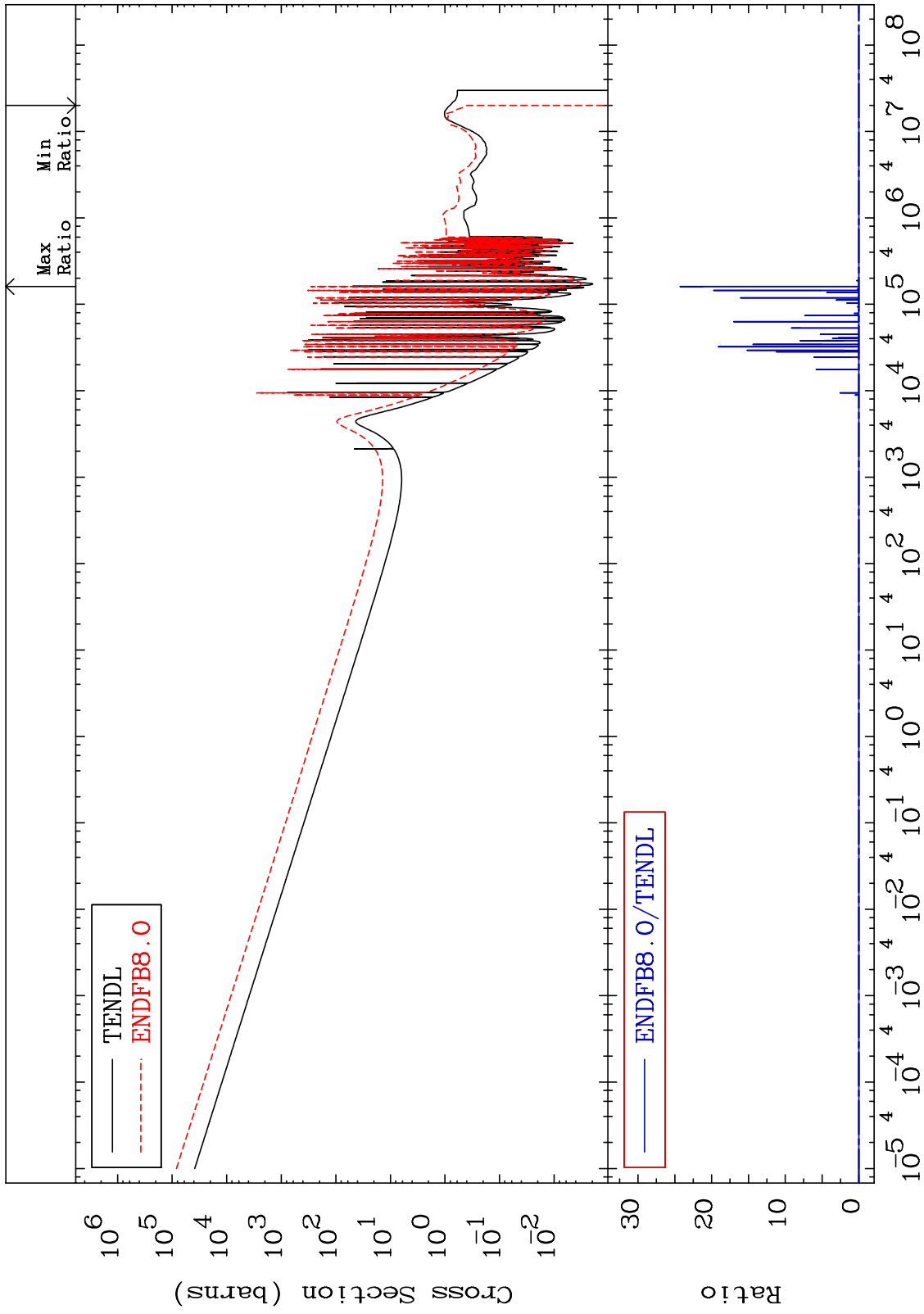
28-Ni-62  
-100.0 To 9999. %



MAT 2837

Kerma capture (mt102)  
Cross Section

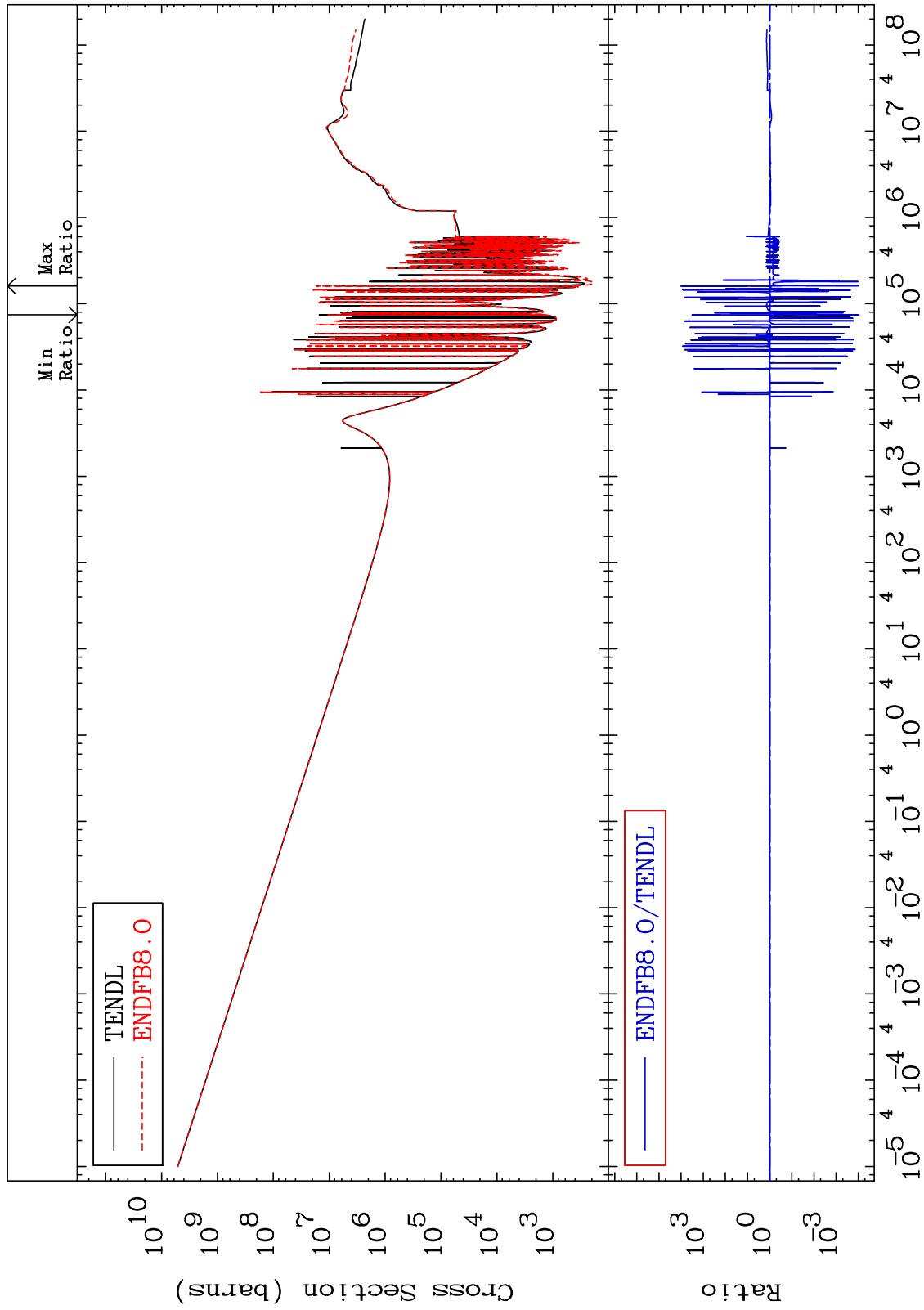
28-Ni-62  
-100.0 To 9999. %



MAT 2837

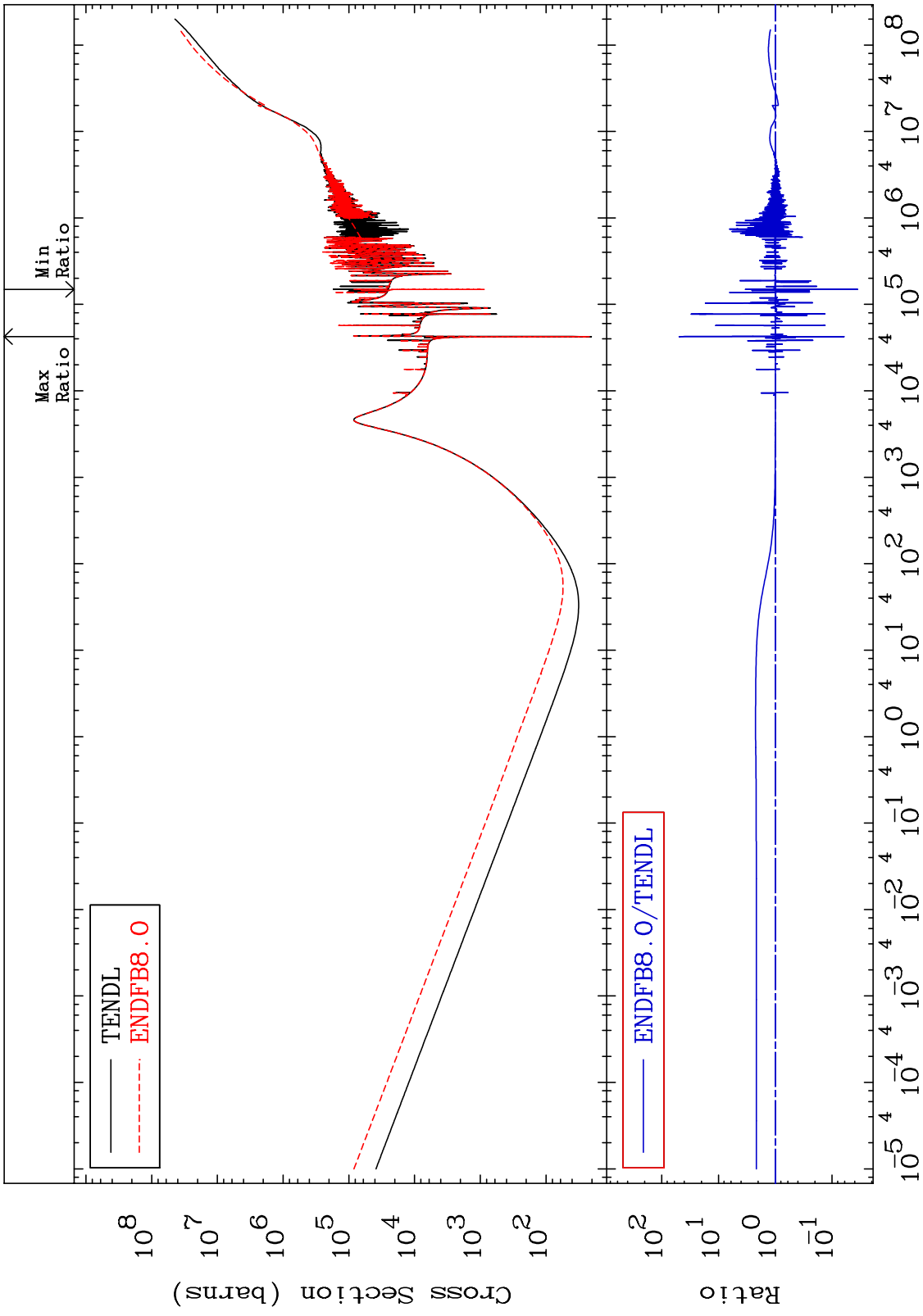
Total photon (eV-barns)  
Cross Section

28-Ni-62  
-99.99 To 9999. %





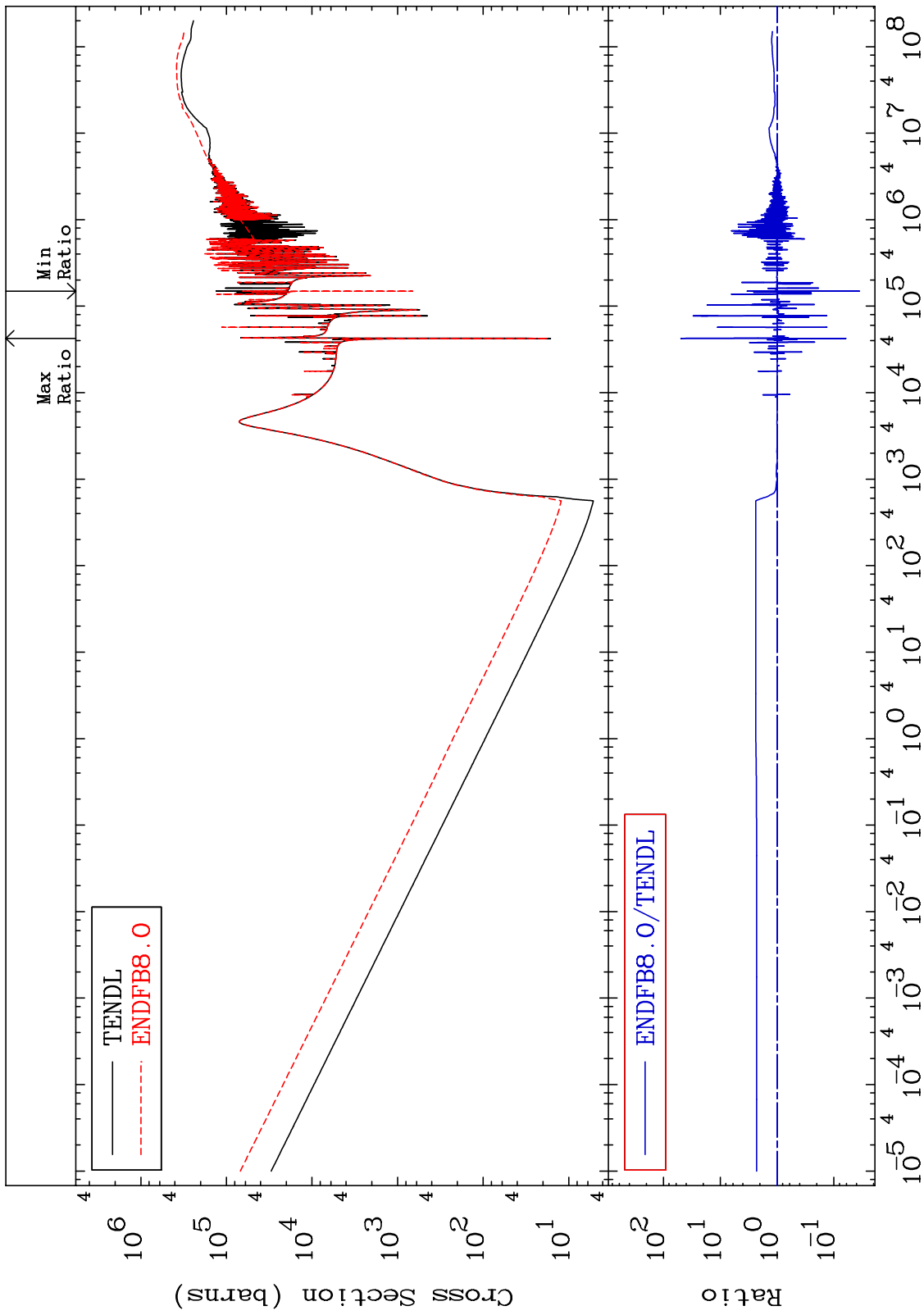
MAT 2837      Total kinematic kerma (high limit)      28-Ni-62  
 Cross Section      -96.48 To 4853. %



MAT 2837

Dpa total (eV-barns)  
Cross Section

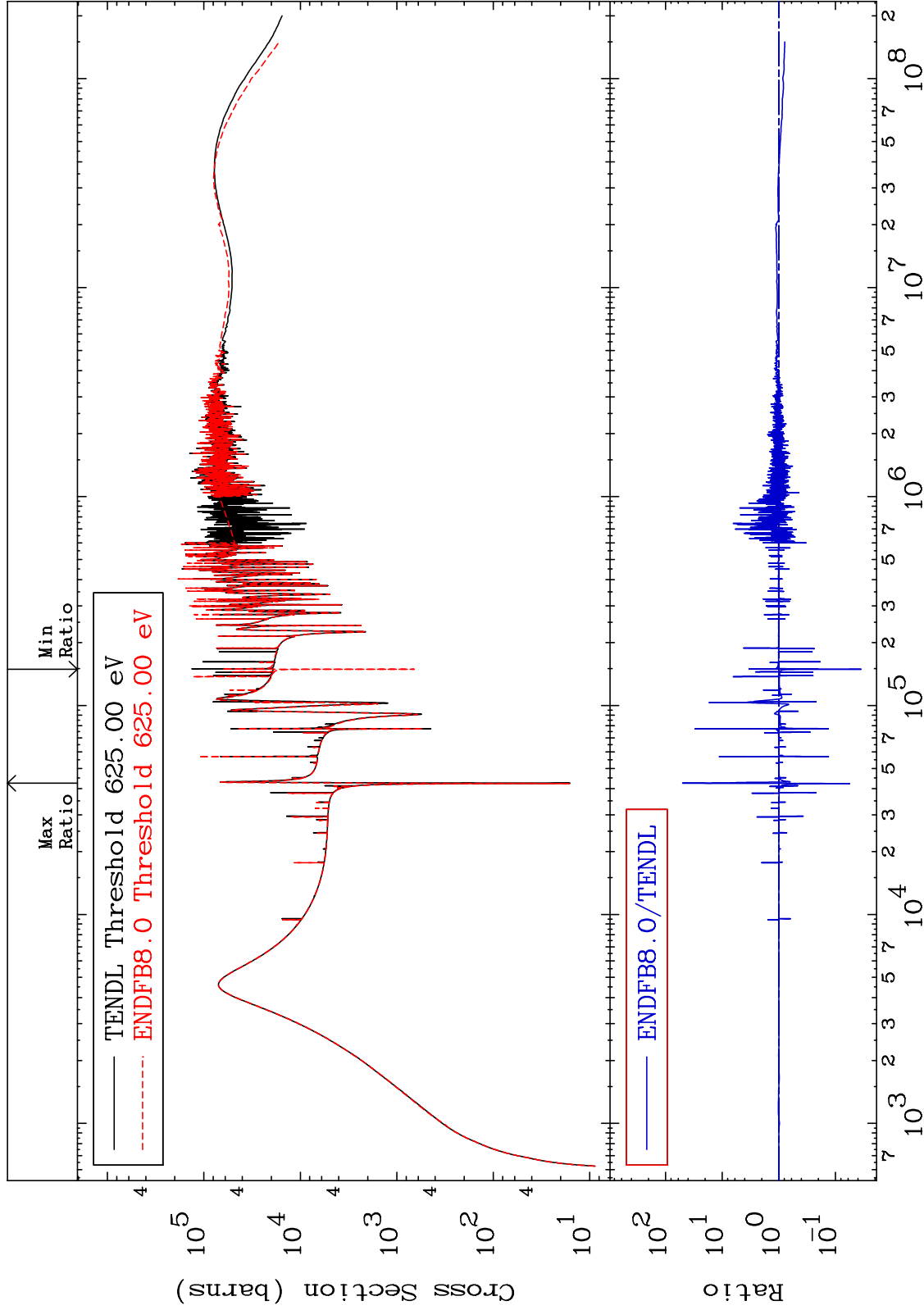
28-Ni-62  
-96.48 To 4857. %



MAT 2837

Dpa elastic (mt2)  
Cross Section

28-Ni-62  
-96.50 To 4938. %

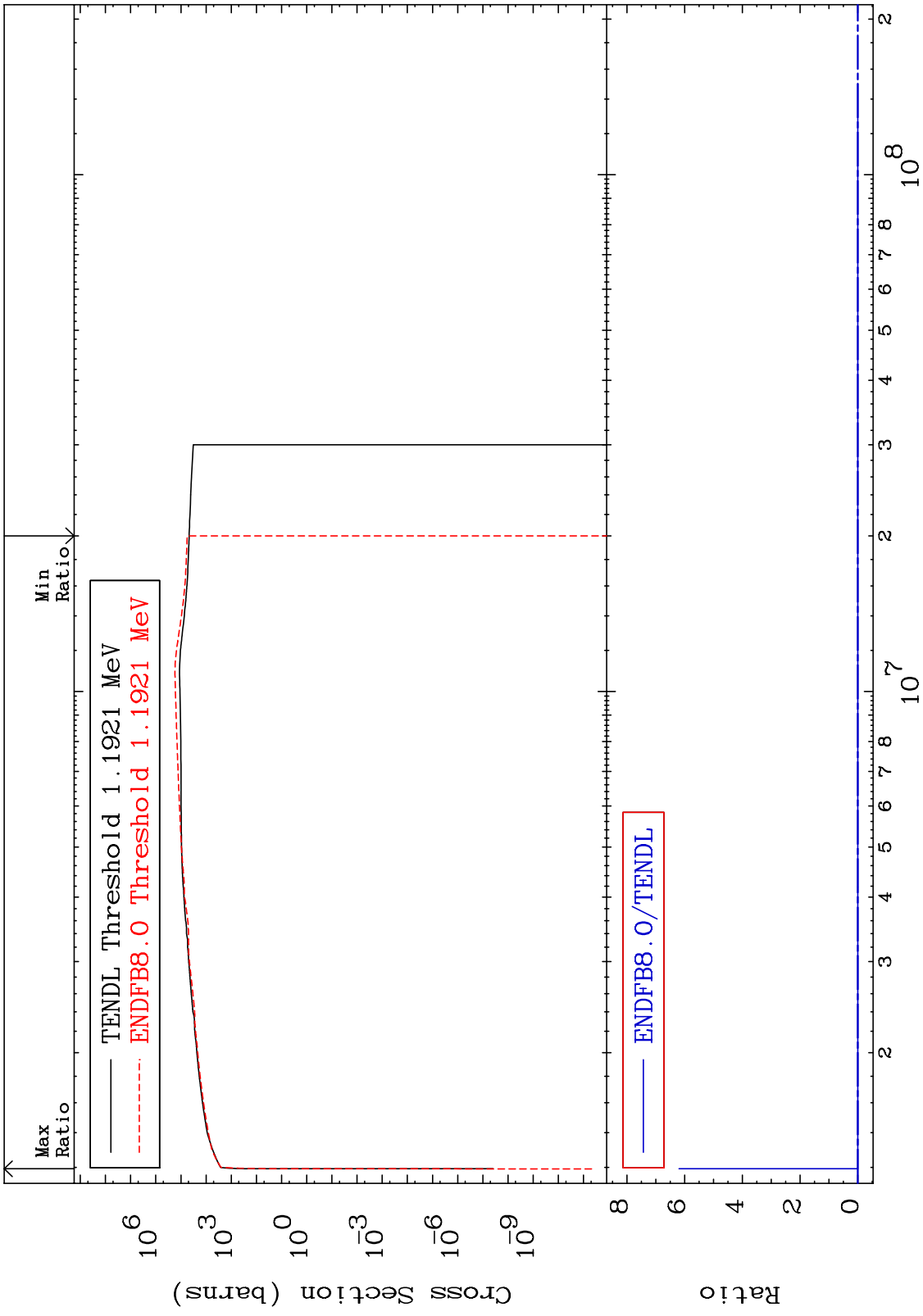


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Incident Energy (eV)

28-Ni-62

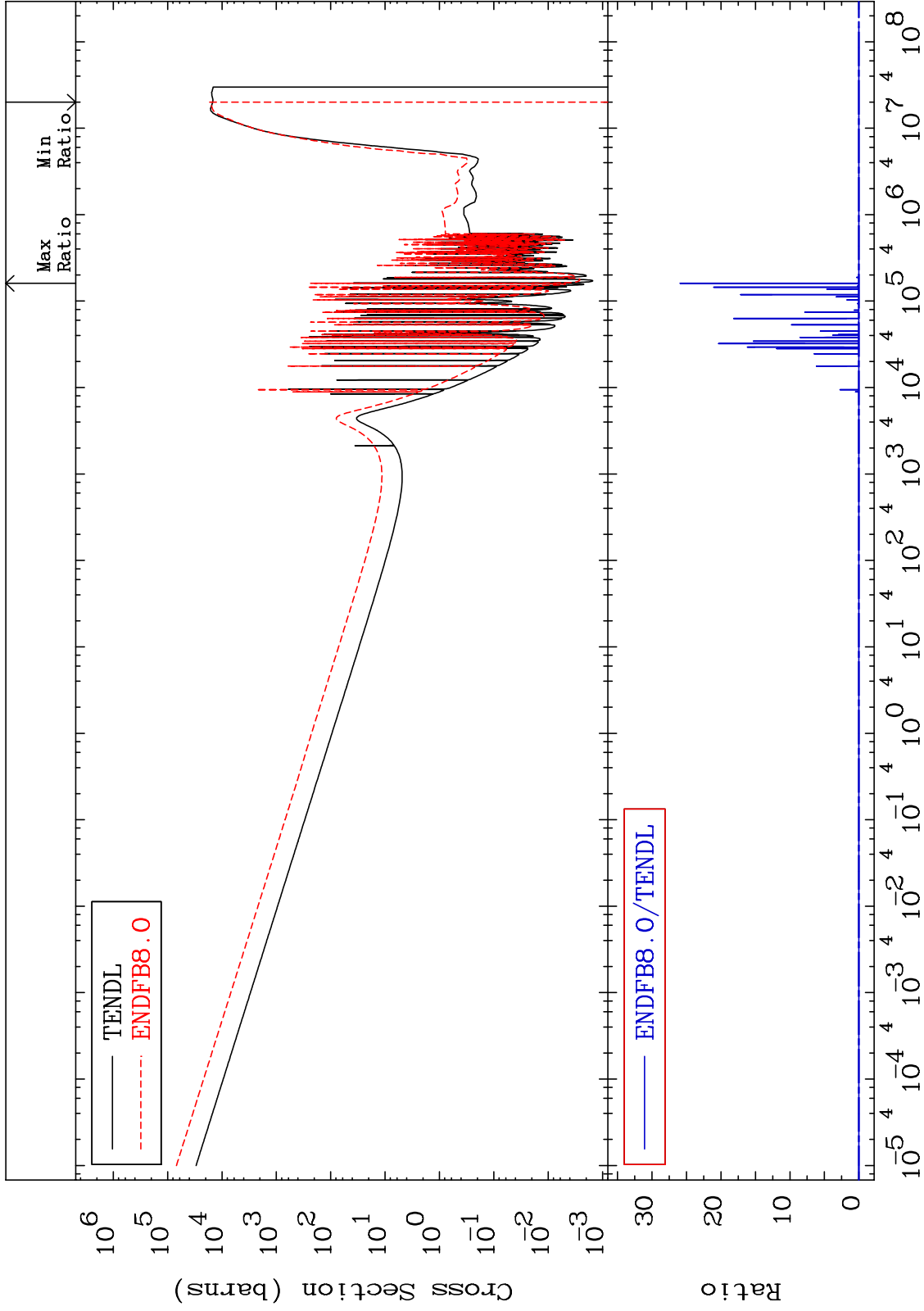
MAT 2837      Dpa inelastic (mt51-91)      28-Ni-62  
 Cross Section      -100.0 To 9999. %



MAT 2837

Dpa disappearance (mt102 -120)  
Cross Section

28-Ni-62  
-100.0 To 9999. %



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Incident Energy (eV)

28-Ni-62