

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

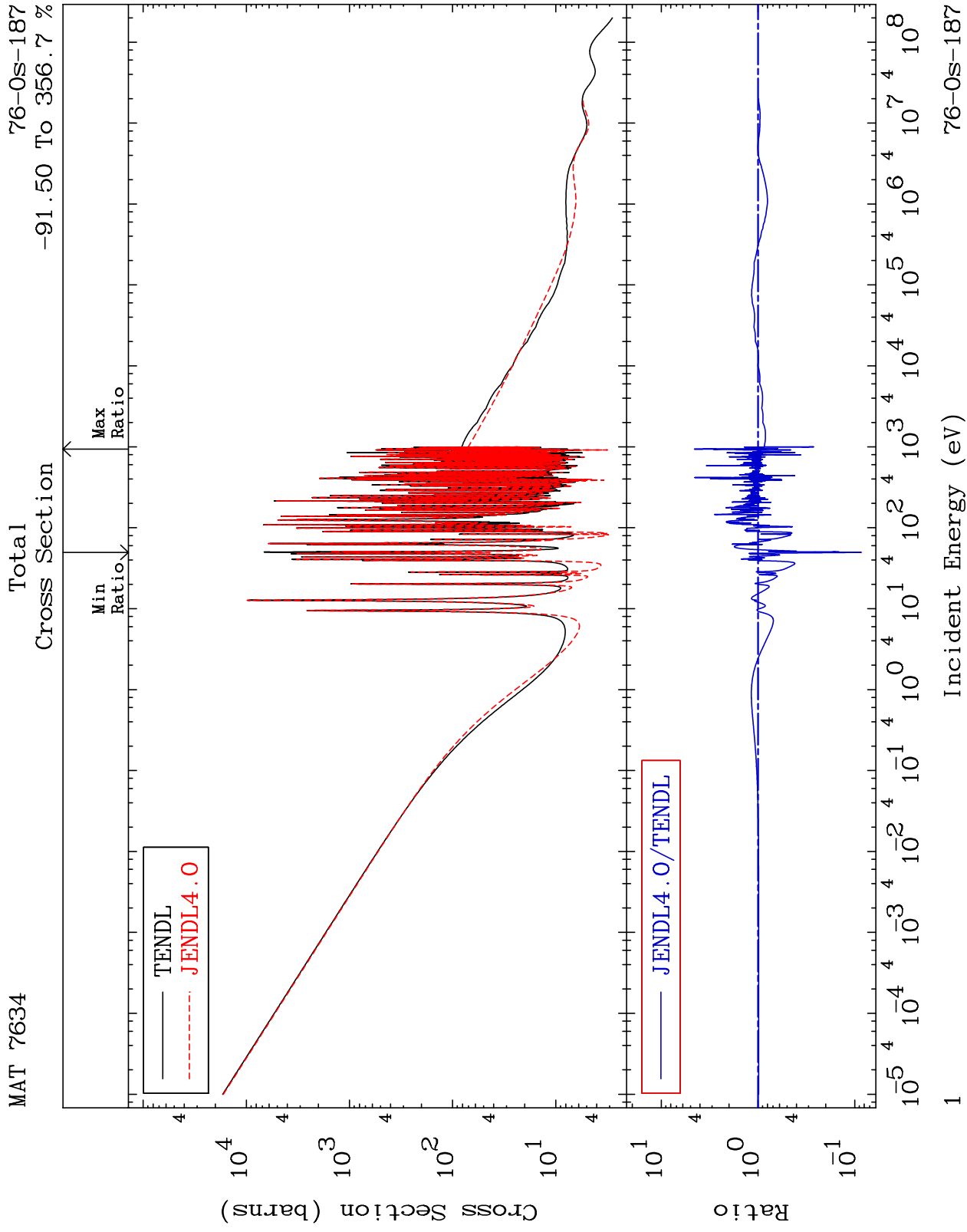
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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

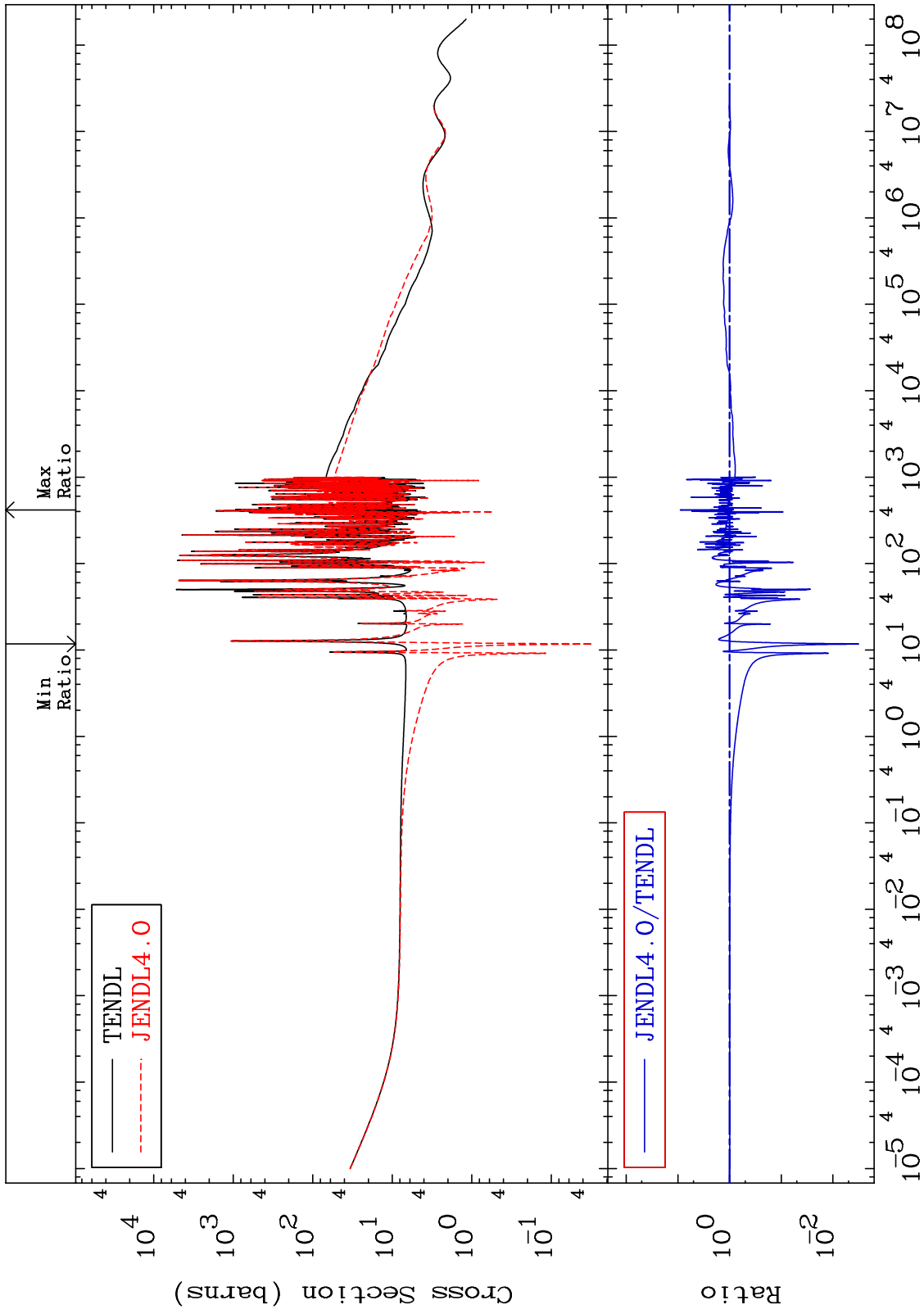


MAT 7634

Elastic  
Cross Section

76-0s-187

-99.69 To 802.0 %

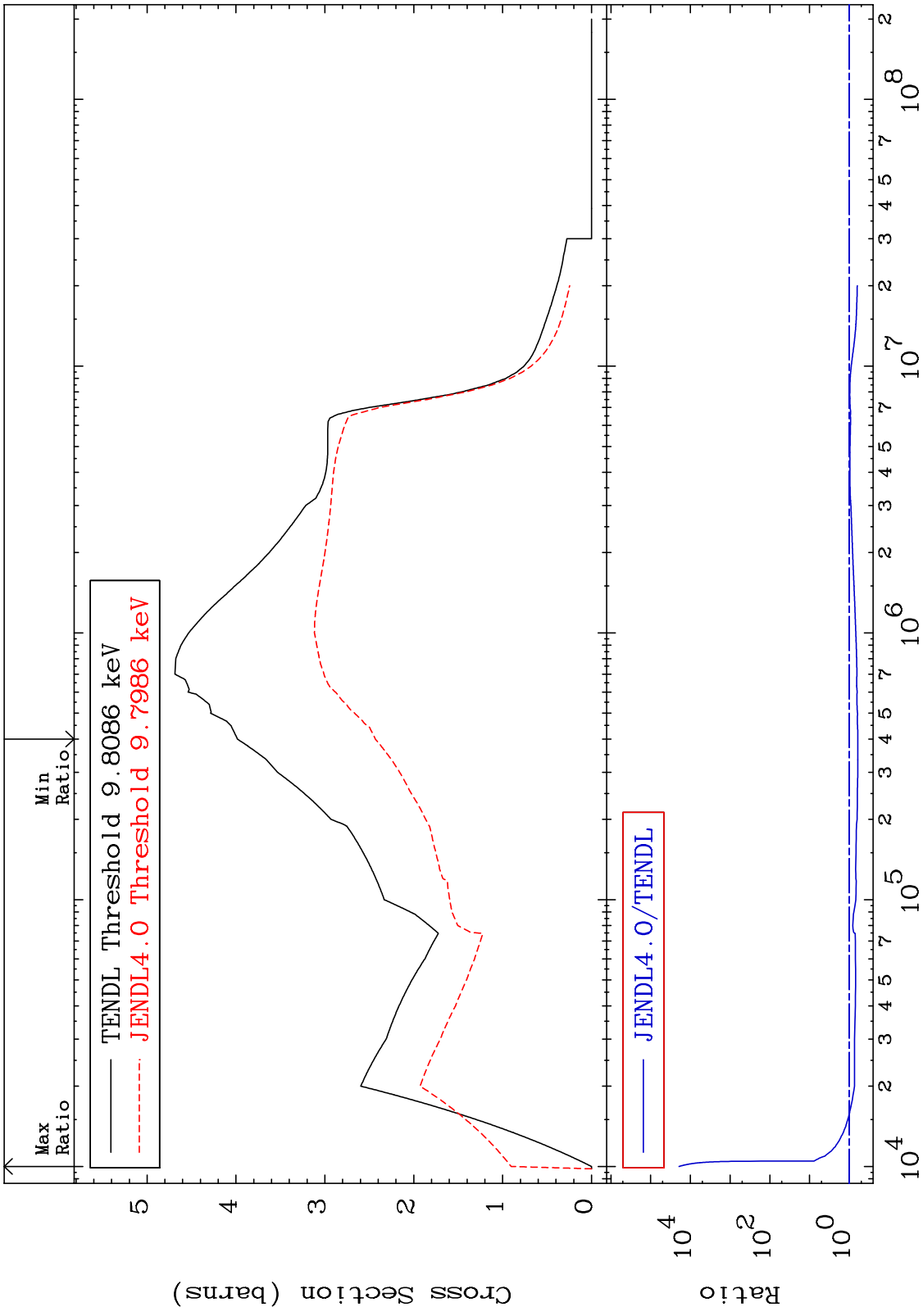


2

Incident Energy (eV)

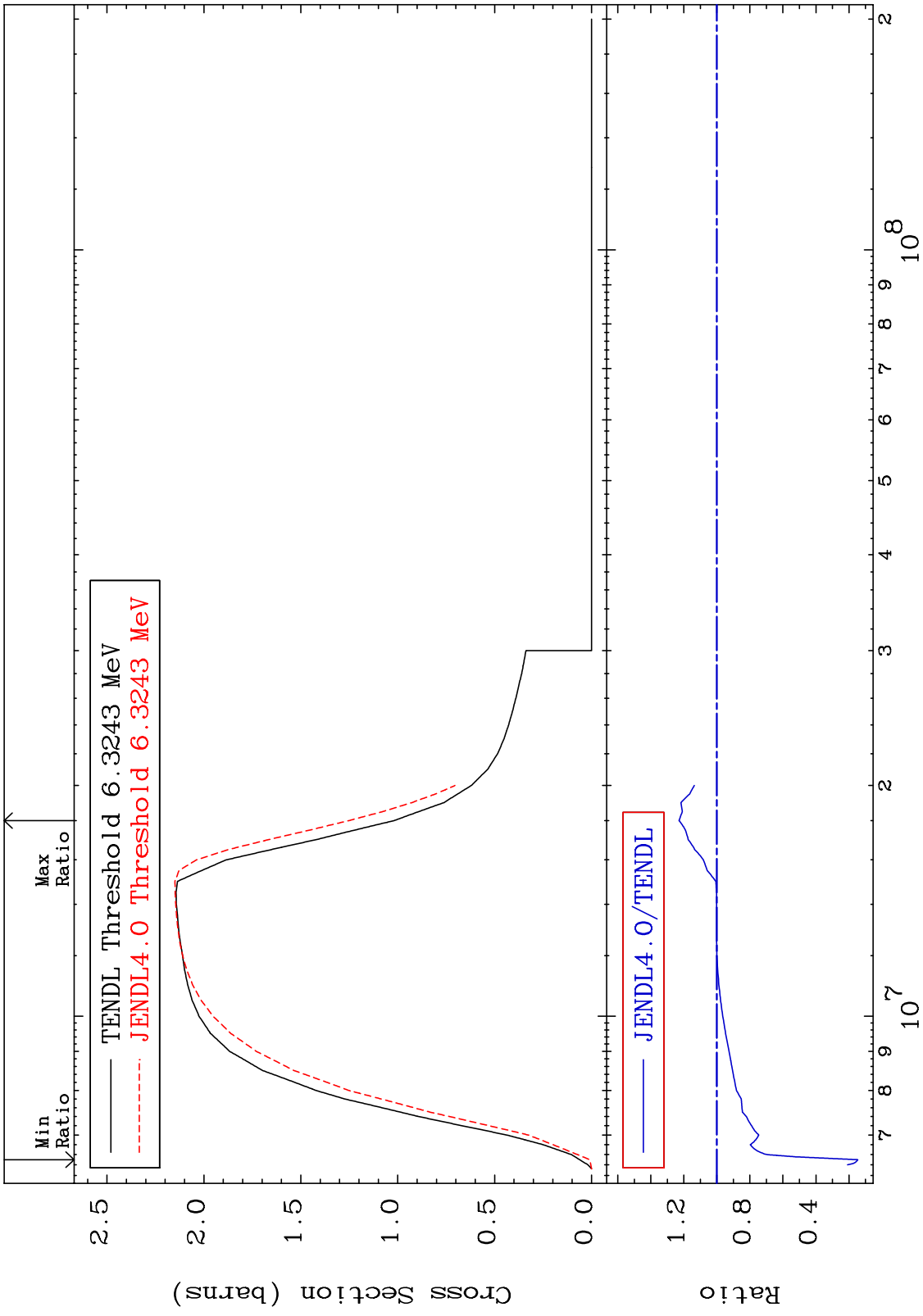
76-0s-187

MAT 7634 Inelastic Cross Section 76-Os-187  
-38.96 To 9999. %

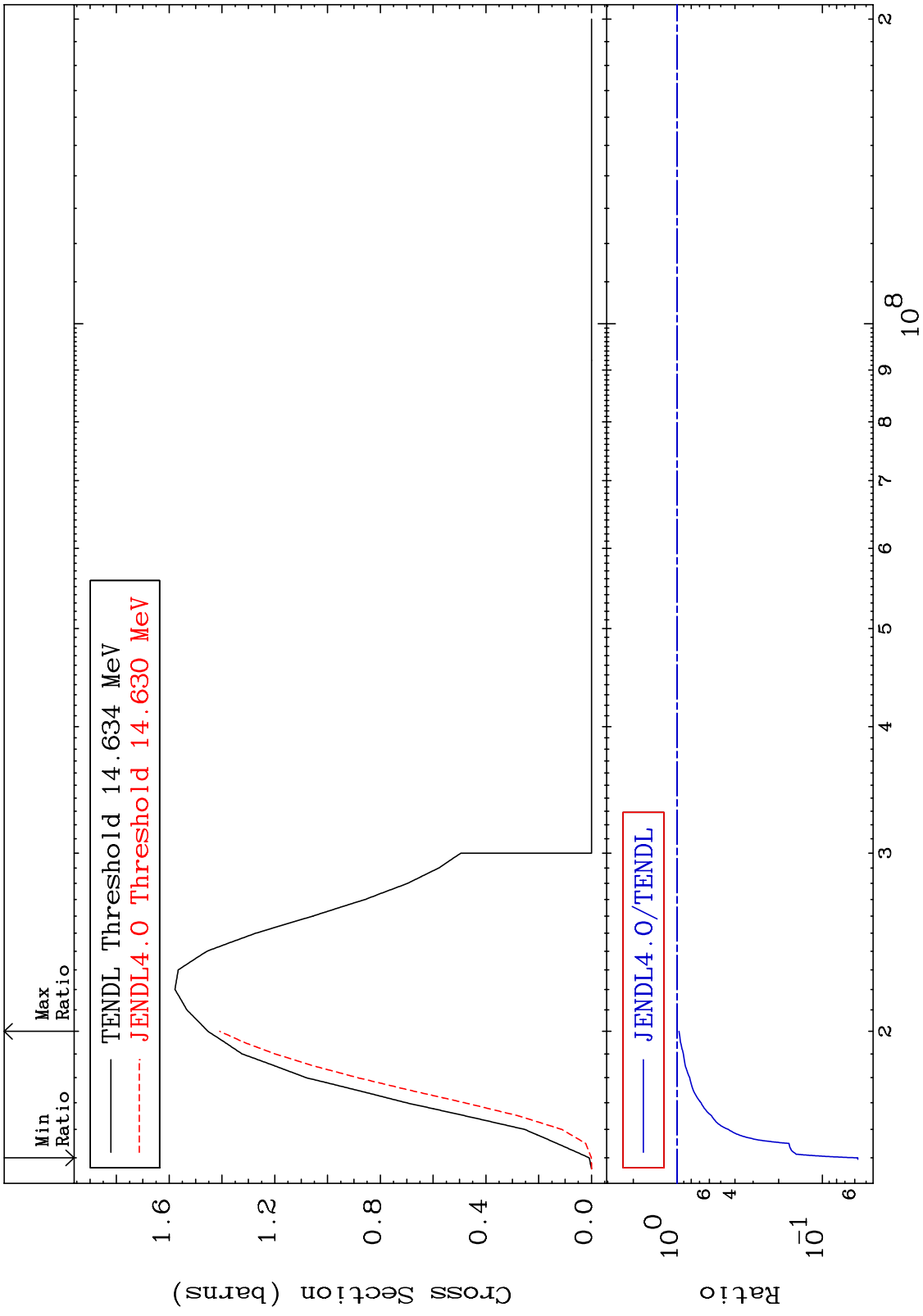


76-Os-187

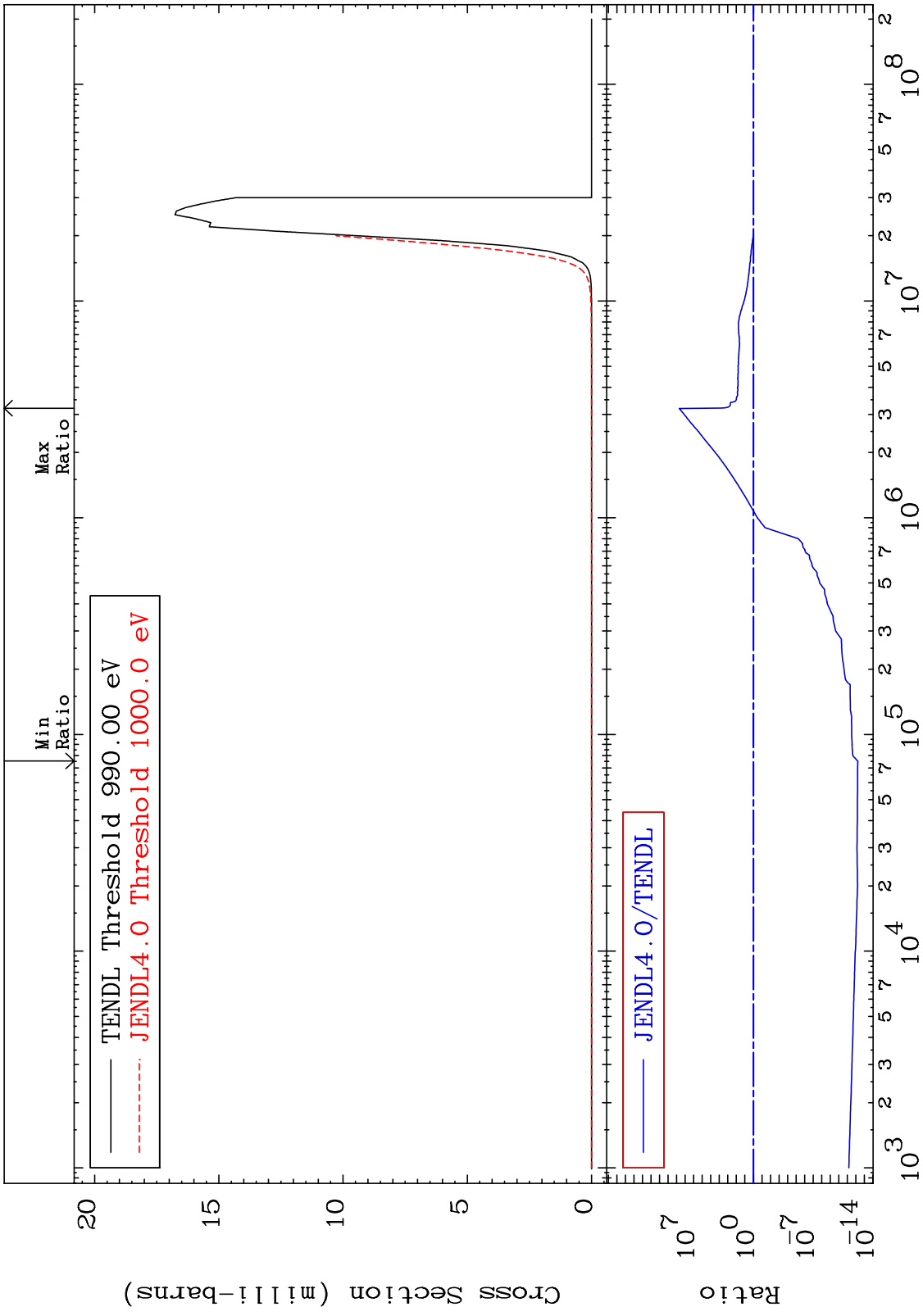
MAT 7634 (n,2n) Cross Section 76-0s-187 -85.37 To 22.89 %



MAT 7634 (n,3n) Cross Section 76-0s-187  
 -94.29 To -3.059%

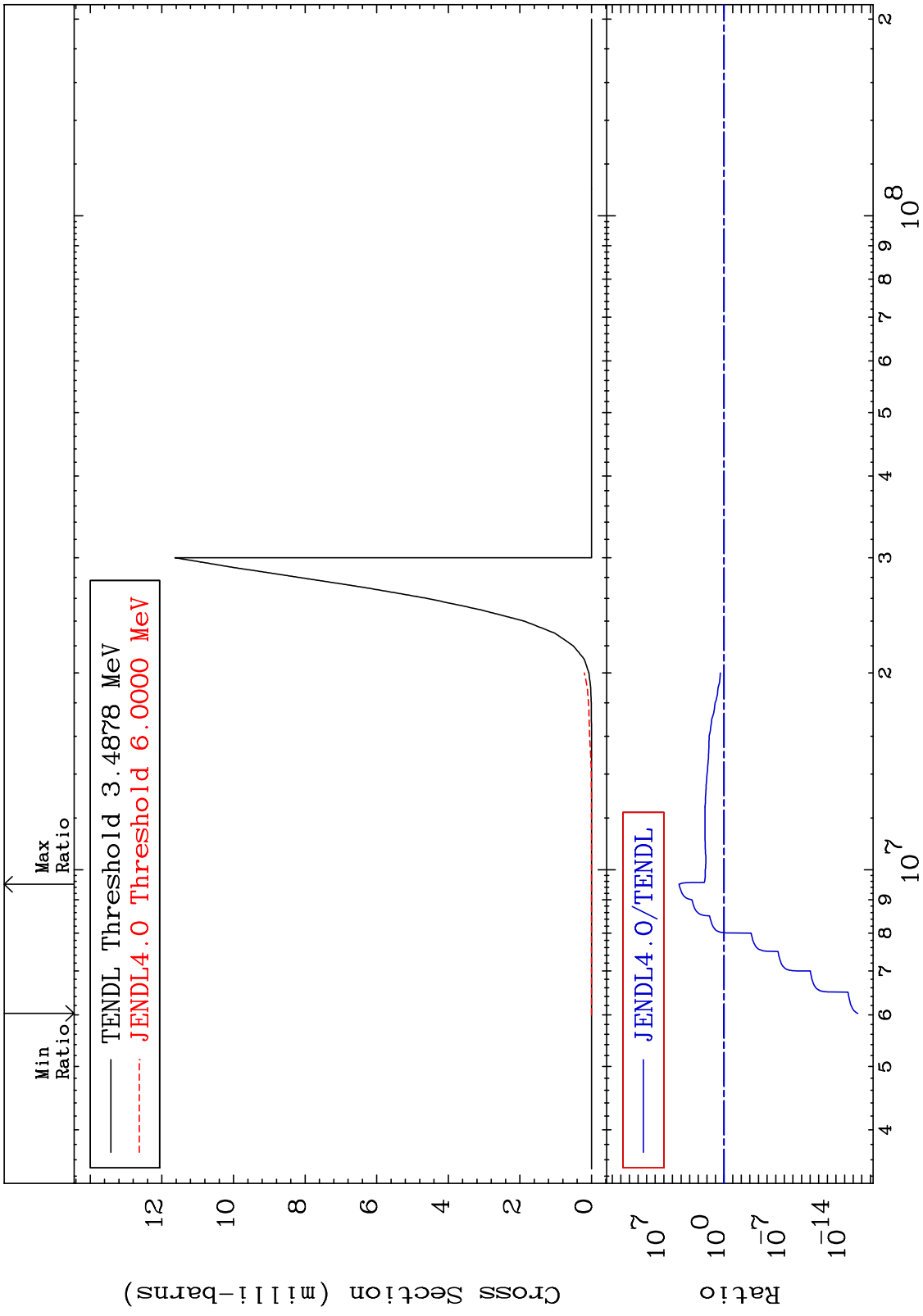


MAT 7634 (n,n')  $\alpha$  76-Os-187  
Cross Section -100.0 To 9999. %



6 76-Os-187

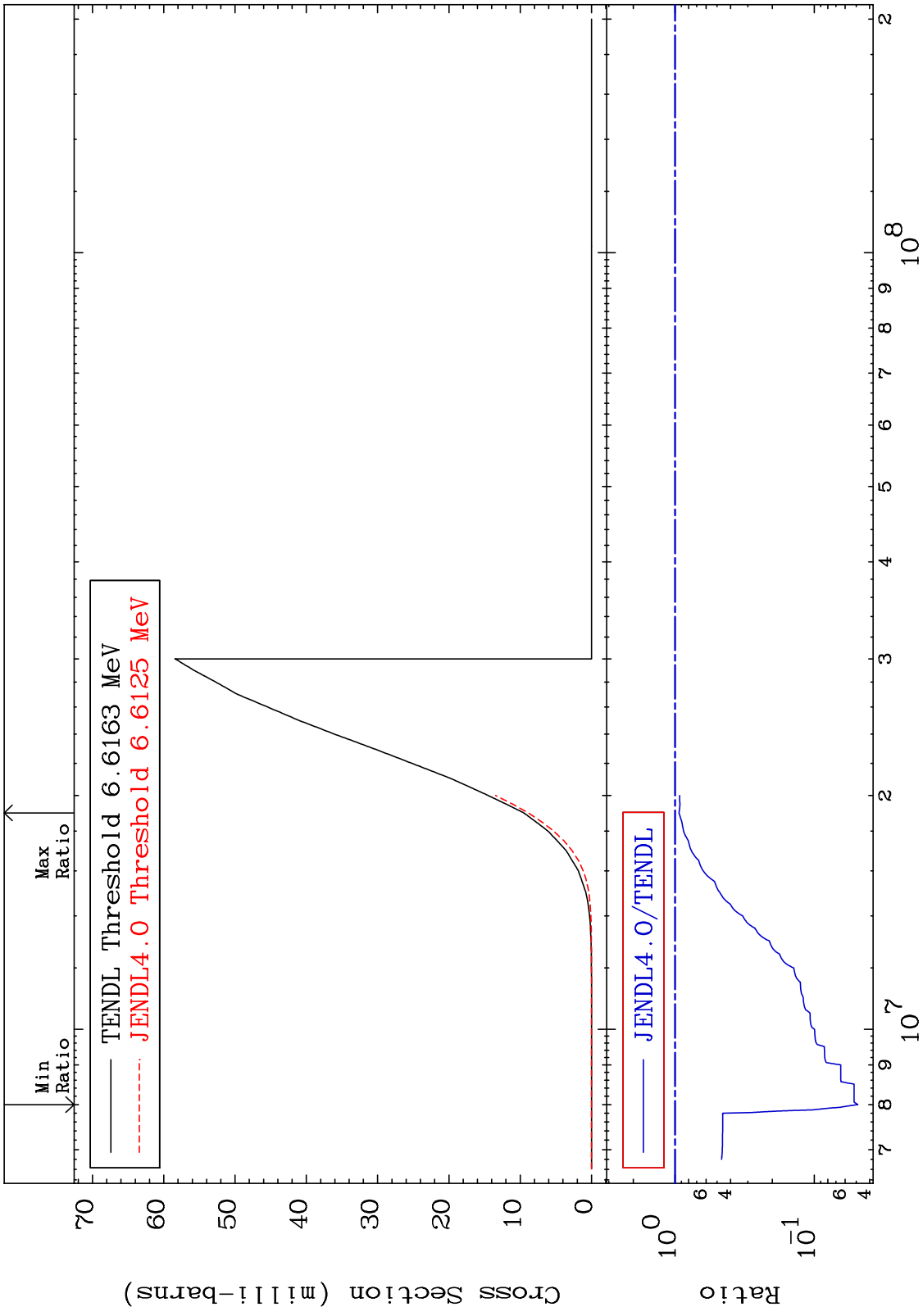
MAT 7634 (n,2n)  $\alpha$  76-Os-187  
 Cross Section -100.0 To 9999. %

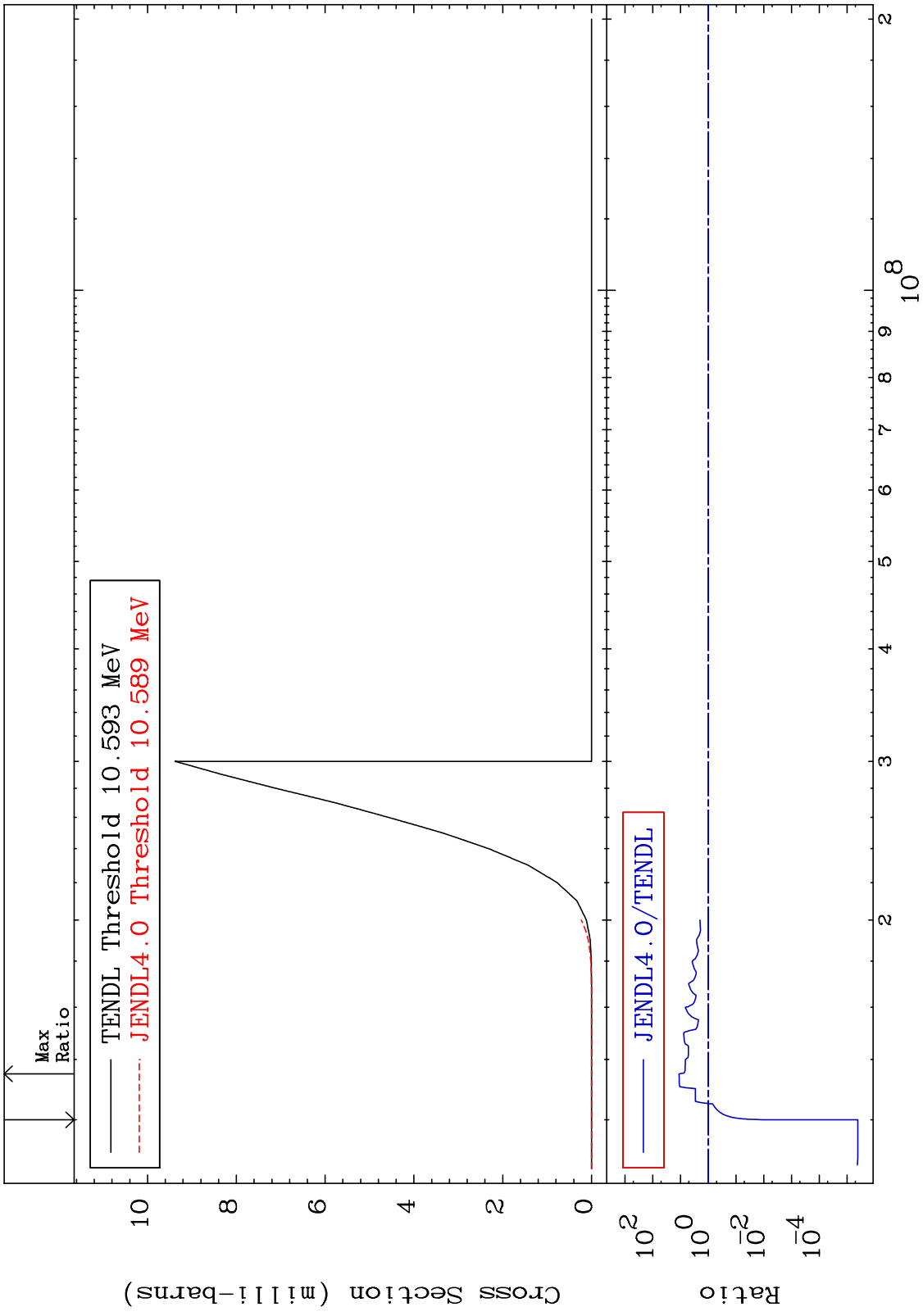


76-Os-187

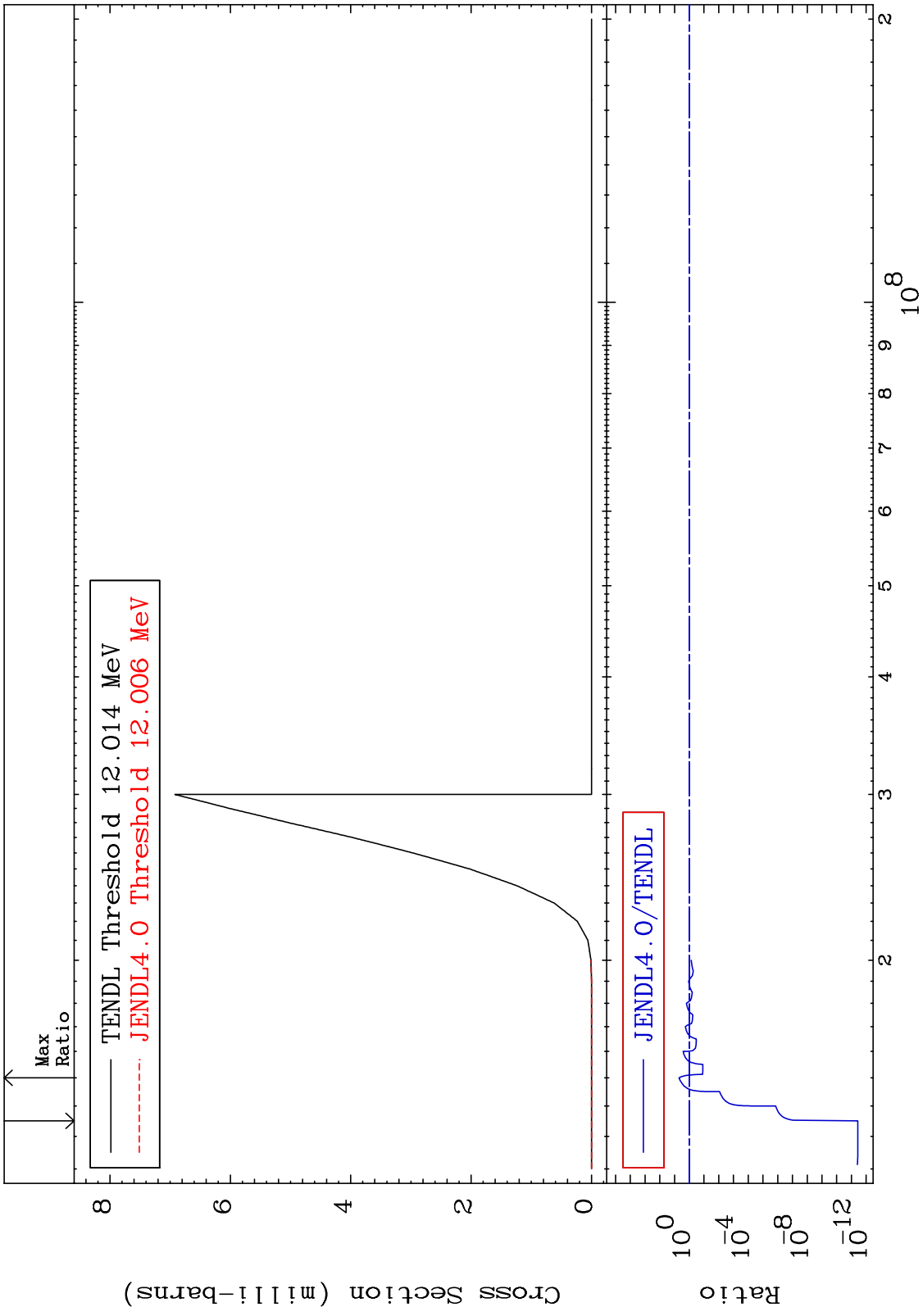


MAT 7634  $(n, n')$  p  $^{76}\text{Os-187}$   
 Cross Section  $-95.14$  To  $-6.311\%$

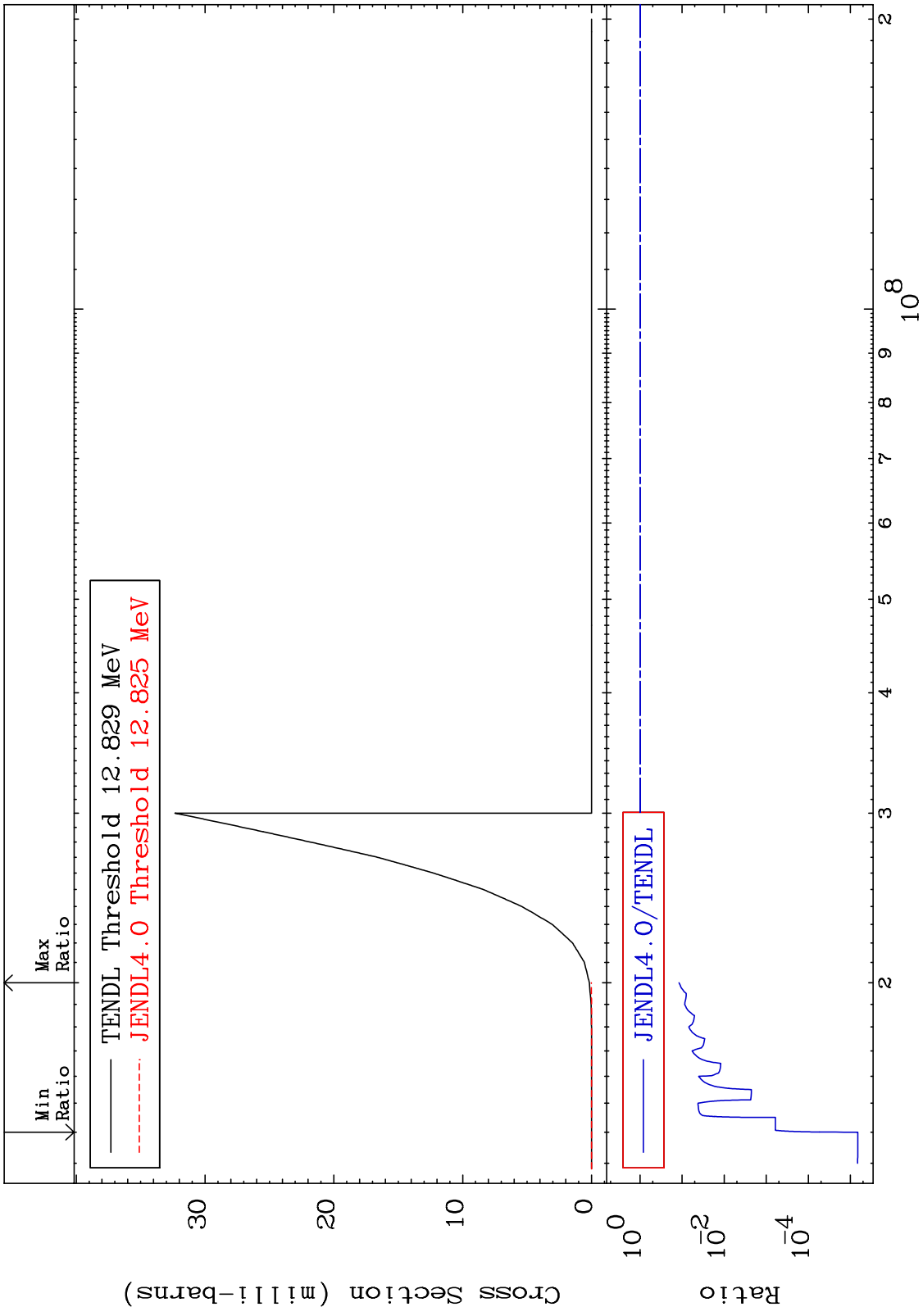




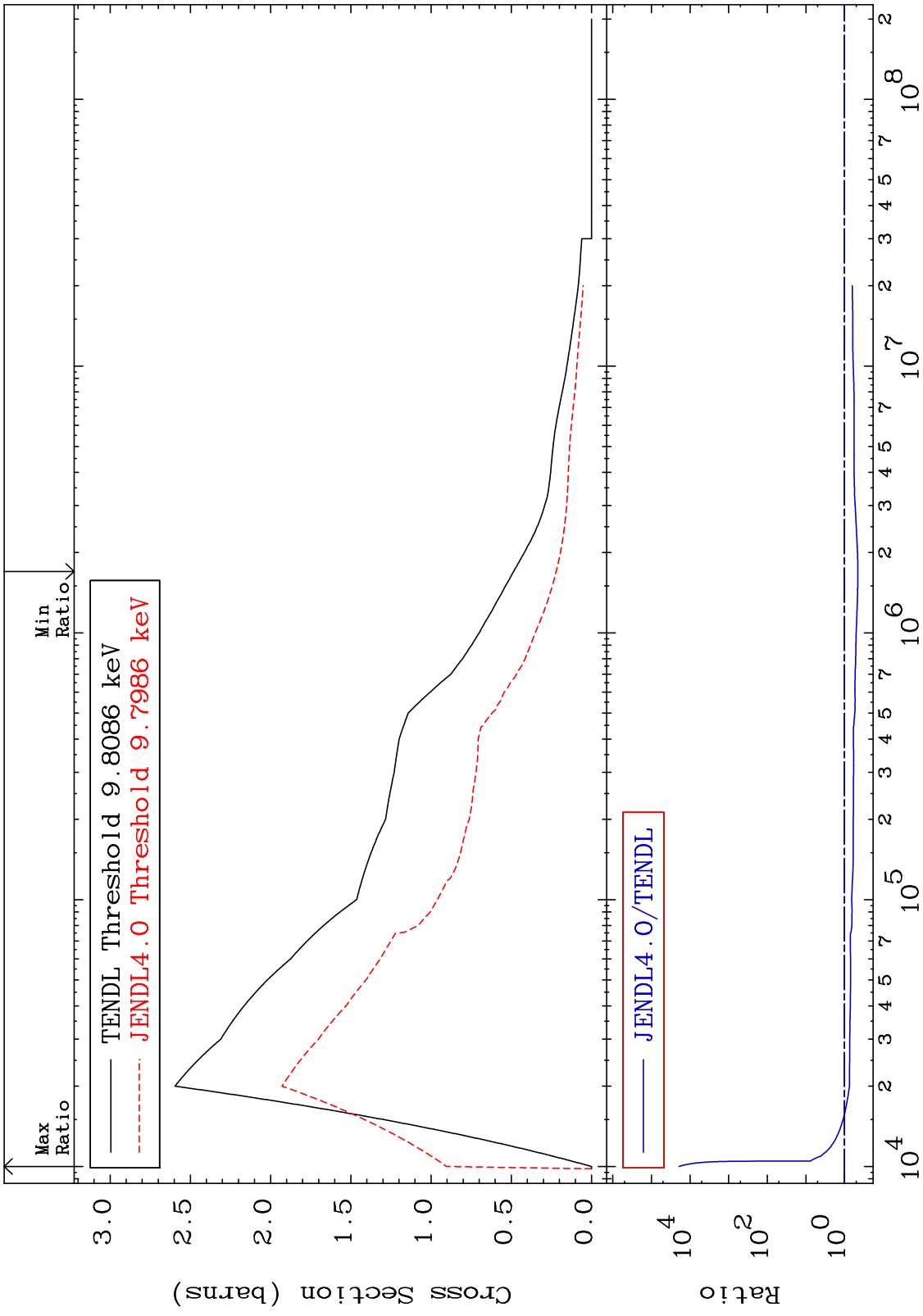
MAT 7634 (n,n') t 76-Os-187  
 Cross Section -100.0 To 391.6 %



MAT 7634 (n,2n) p 76-Os-187  
 Cross Section -100.0 To -88.20%

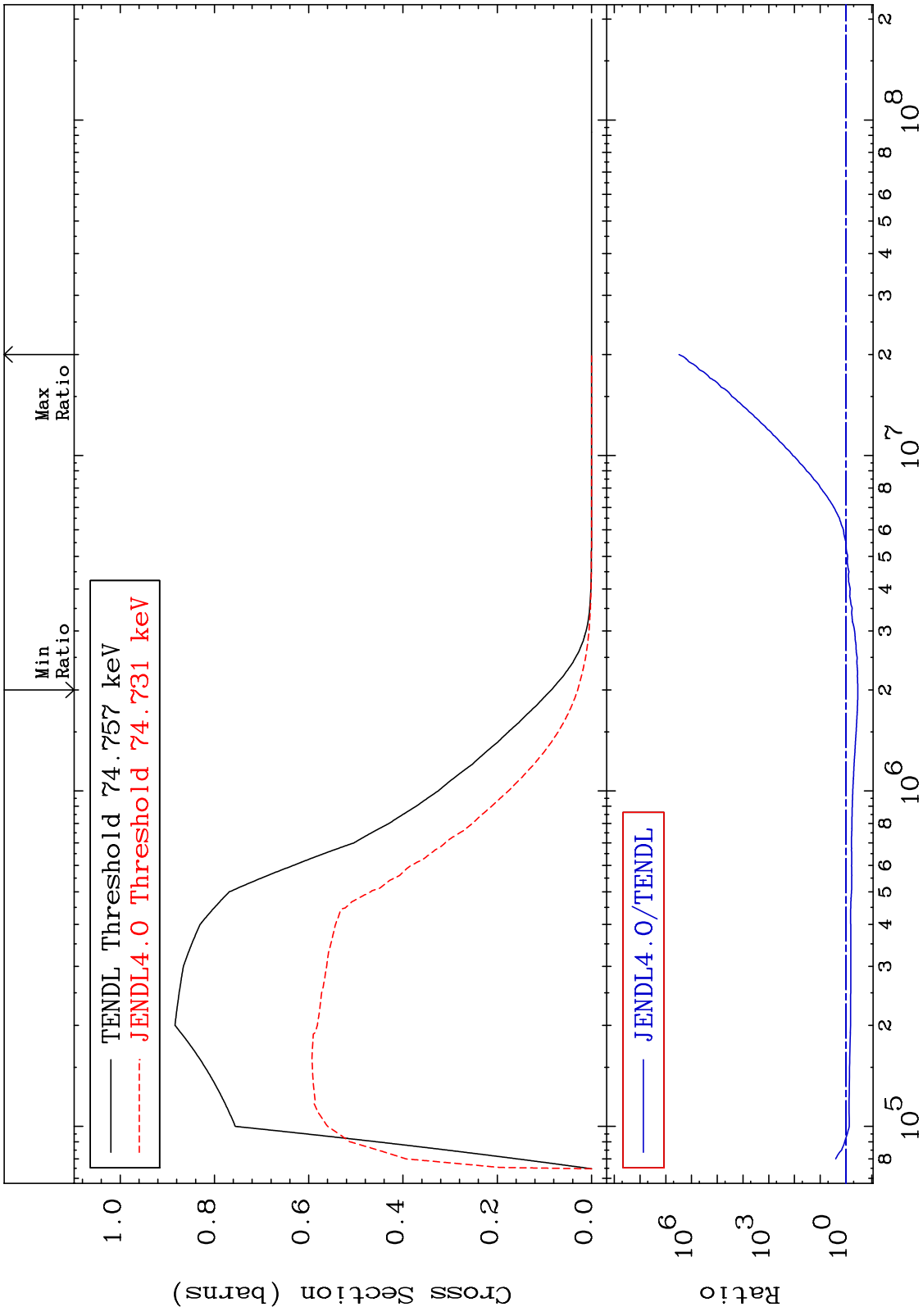


MAT 7634 MT= 51 (n,n') Level Cross Section 76-Os-187  
 -54.73 To 9999. %

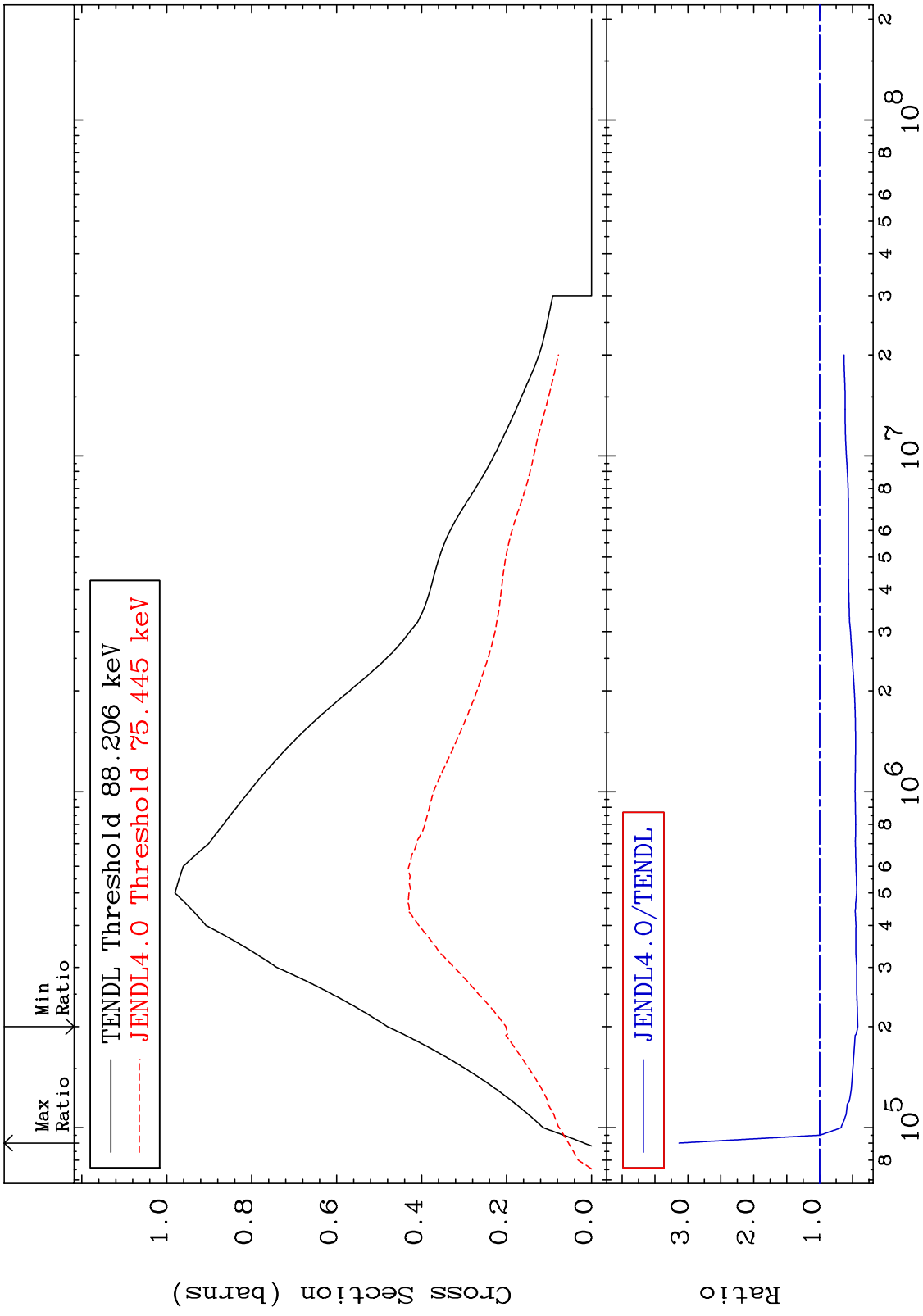


12 Incident Energy (eV) 76-Os-187

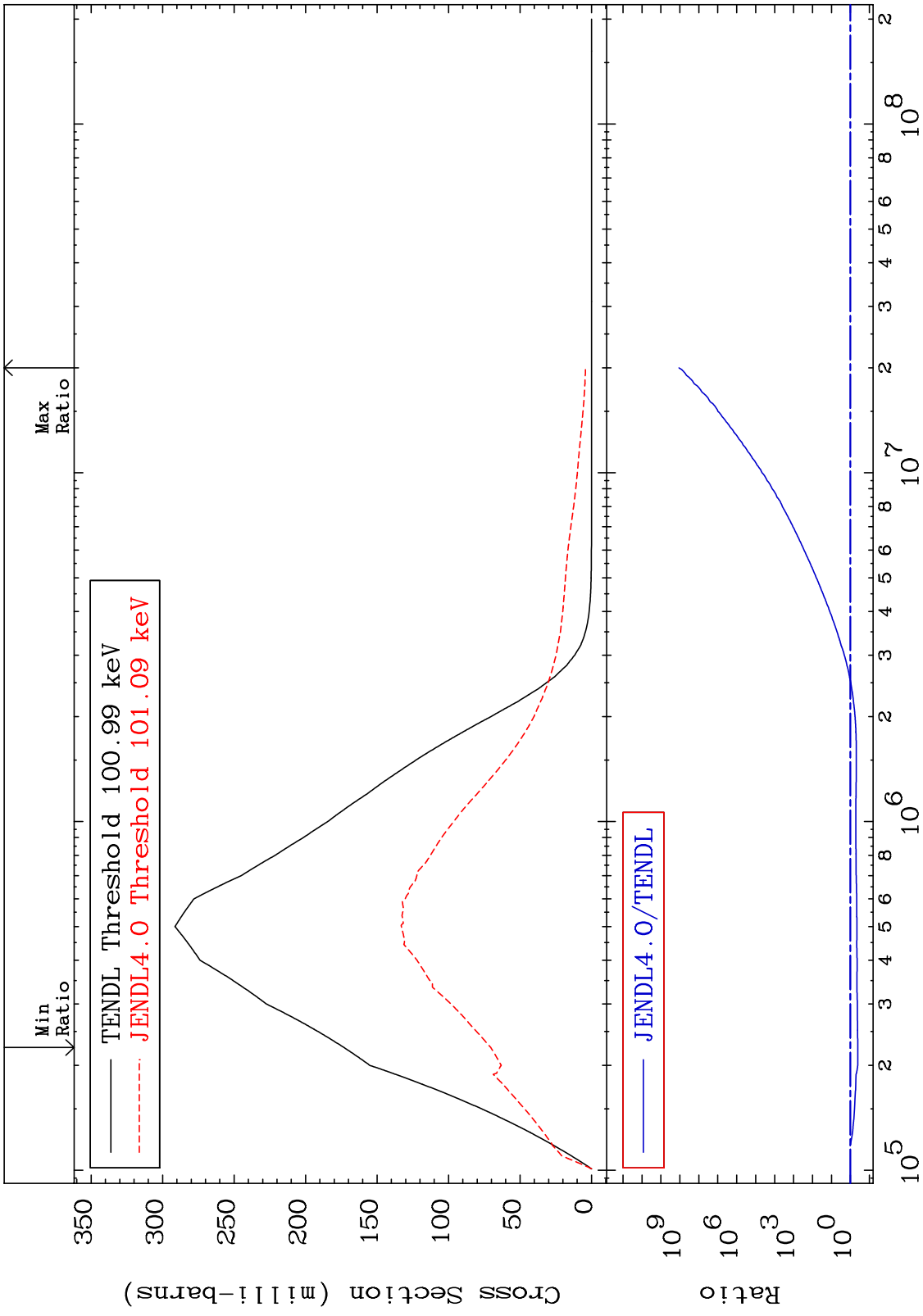
MAT 7634 MT= 52 (n,n') Level Cross Section 76-Os-187 -65.48 To 9999. %



MAT 7634 MT= 53 (n,n') Level Cross Section 76-0s-187  
 -58.08 To 213.4 %



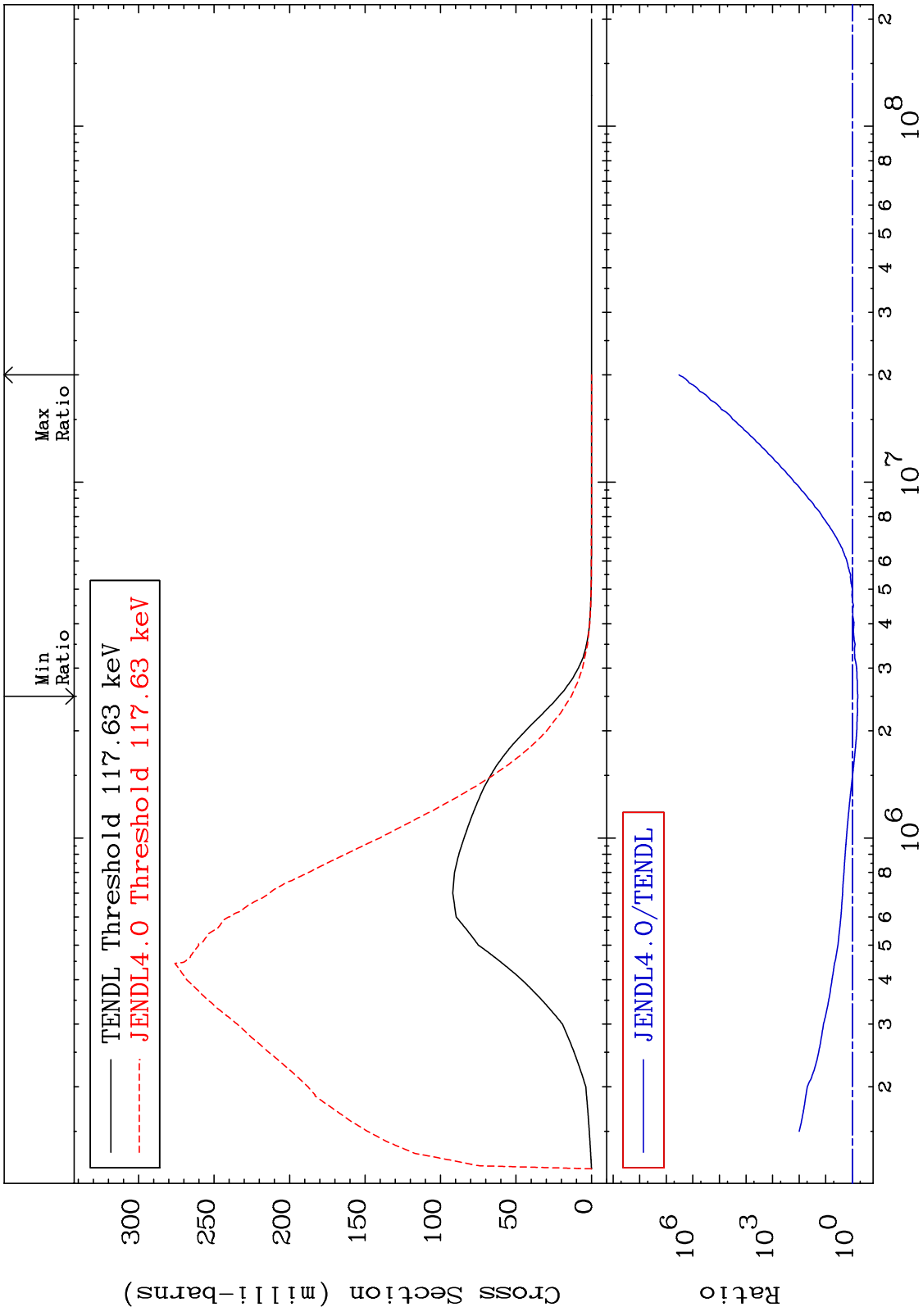
MAT 7634 MT= 54 (n,n') Level Cross Section 76-0s-187  
 -59.31 To 9999. %



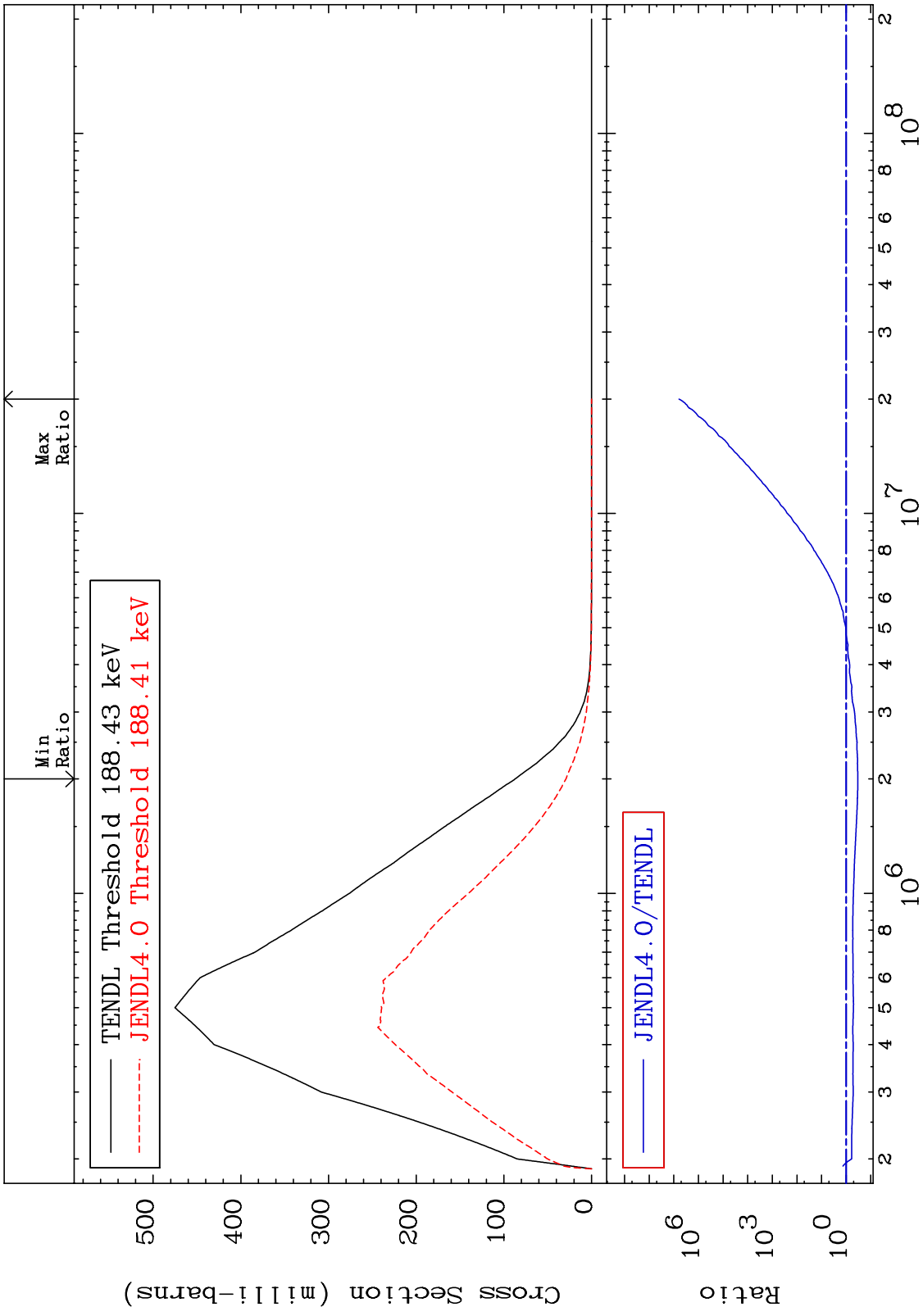
15 Incident Energy (eV) 76-0s-187



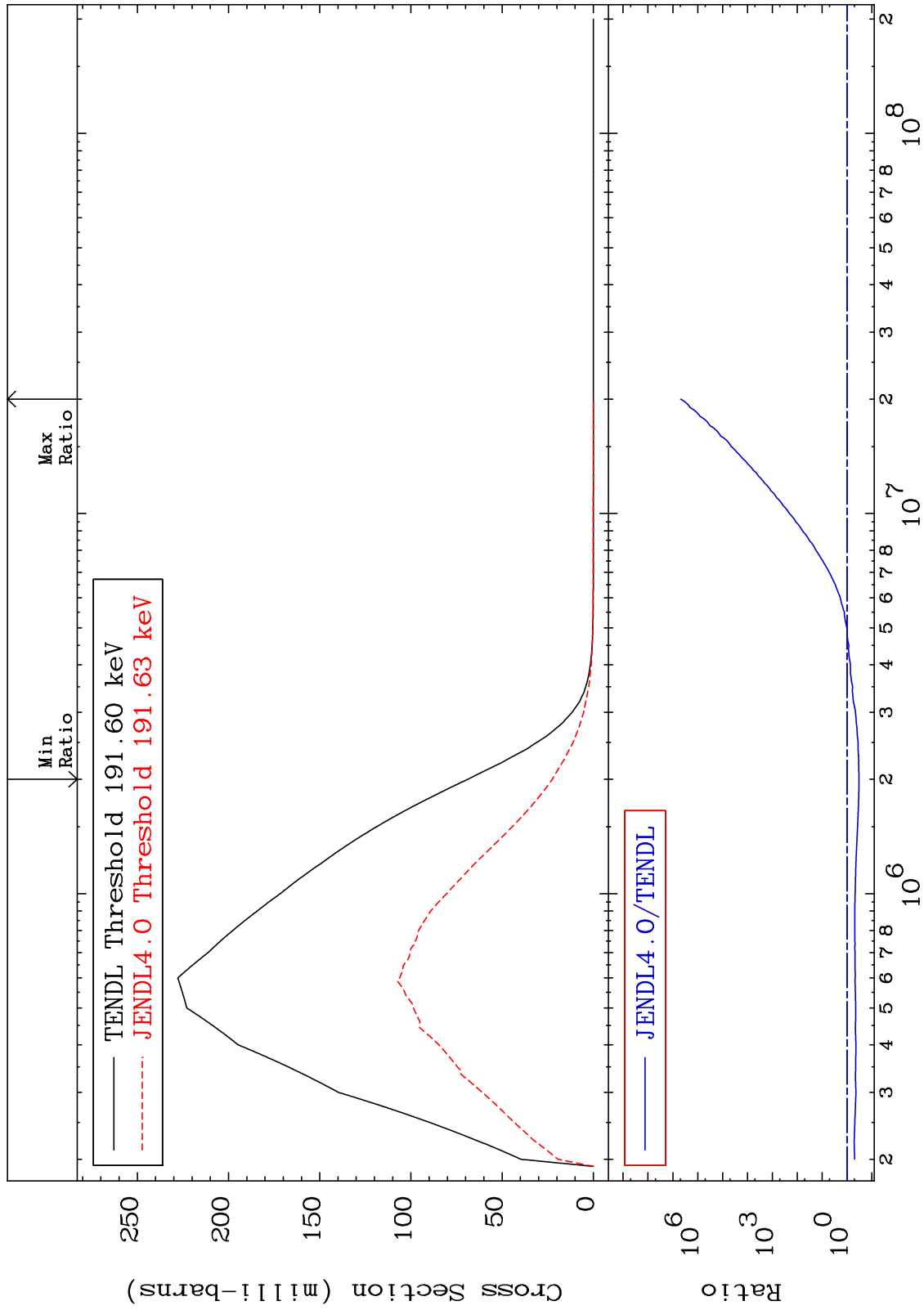
MAT 7634 MT= 55 (n,n') Level Cross Section 76-Os-187  
 -38.11 To 9999. %



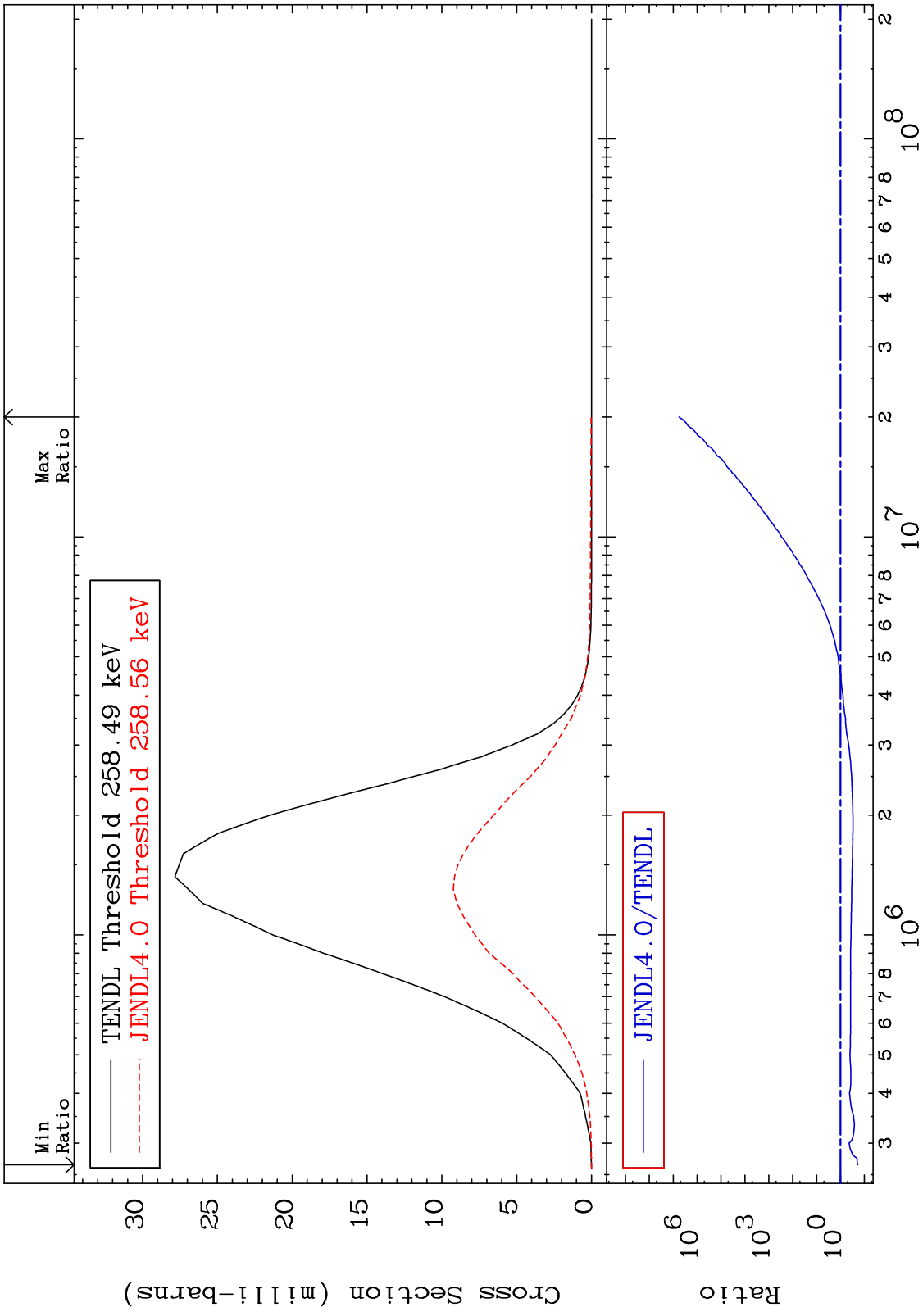
MAT 7634 MT= 56 (n,n') Level Cross Section 76-Os-187  
 -66.44 To 9999. %



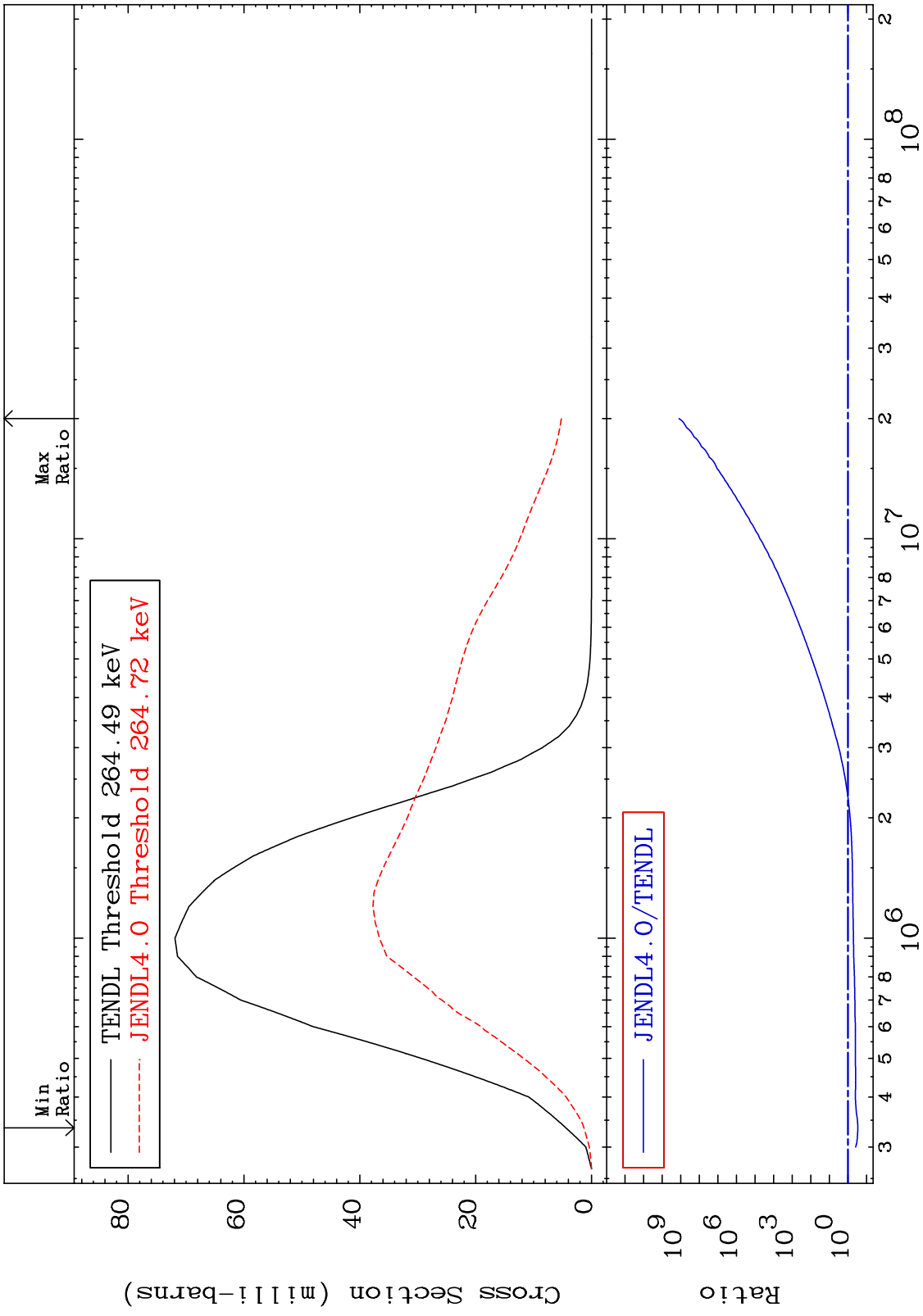
MAT 7634 MT= 57 (n,n') Level Cross Section 76-Os-187  
 -67.29 To 9999. %



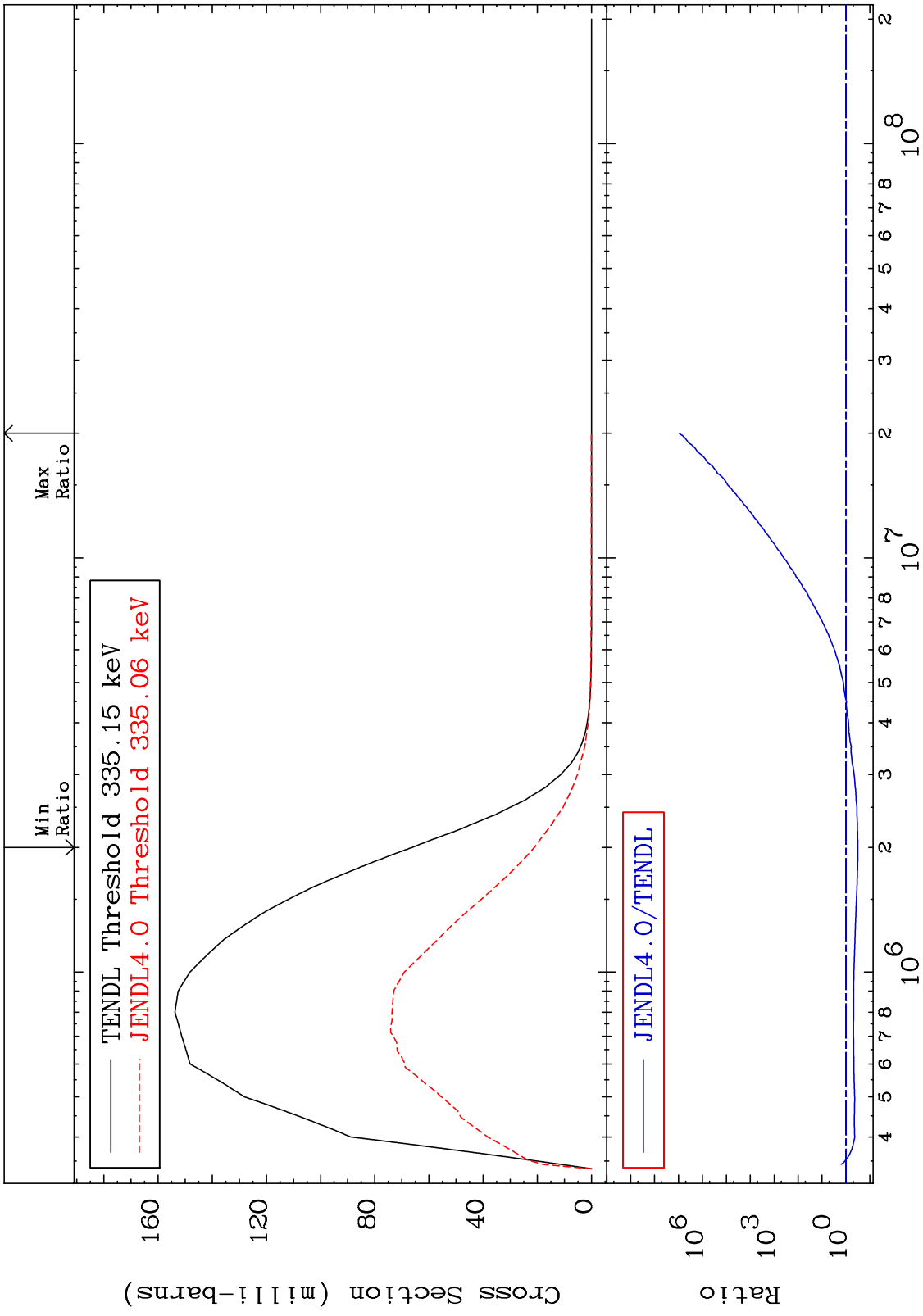
MAT 7634 MT= 58 (n,n') Level Cross Section 76-Os-187  
 -81.09 To 9999. %



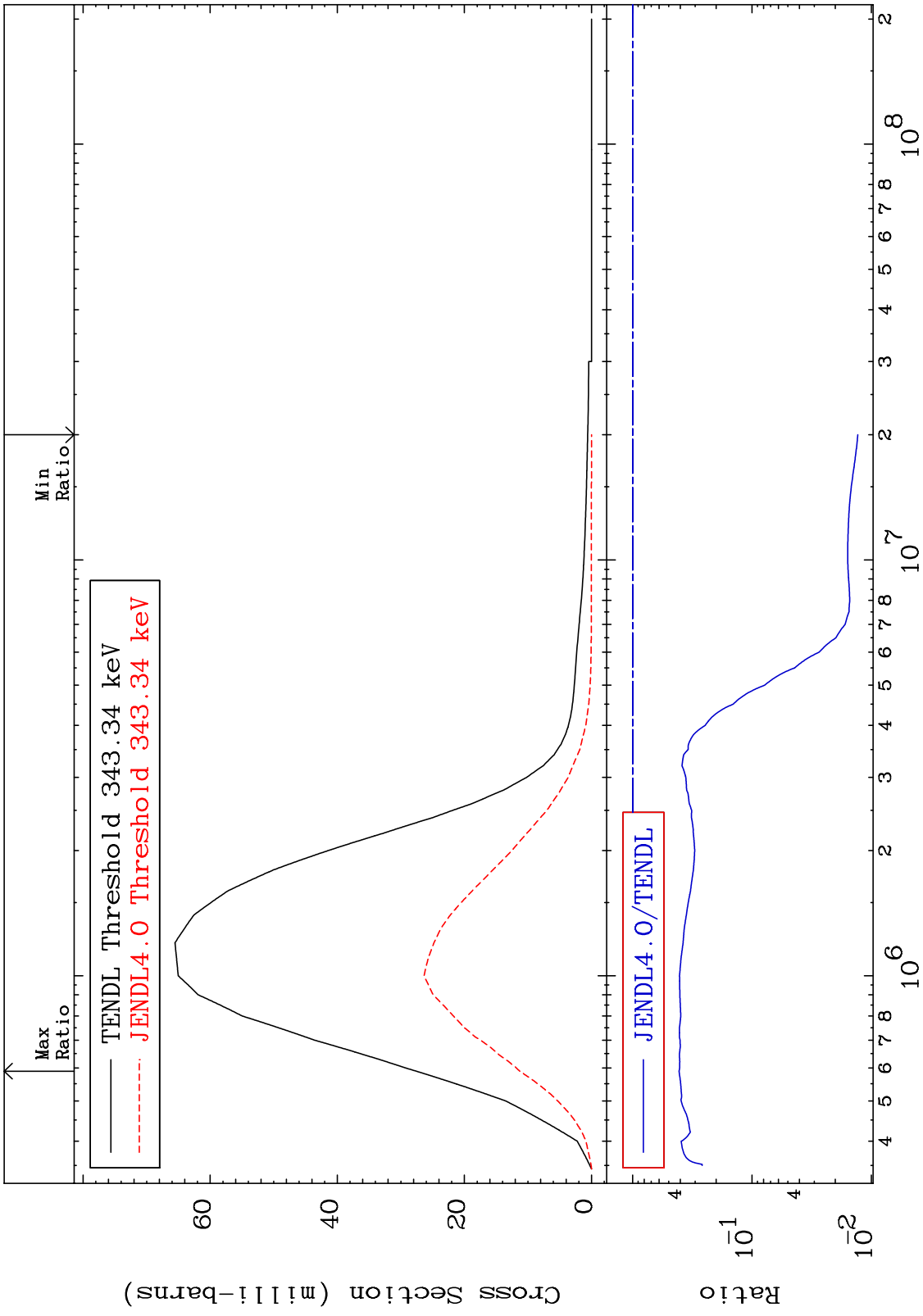
MAT 7634 MT= 59 (n,n') Level Cross Section 76-Os-187 -70.46 To 9999. %



MAT 7634 MT= 60 (n,n') Level Cross Section 76-0s-187  
 -68.17 To 9999. %

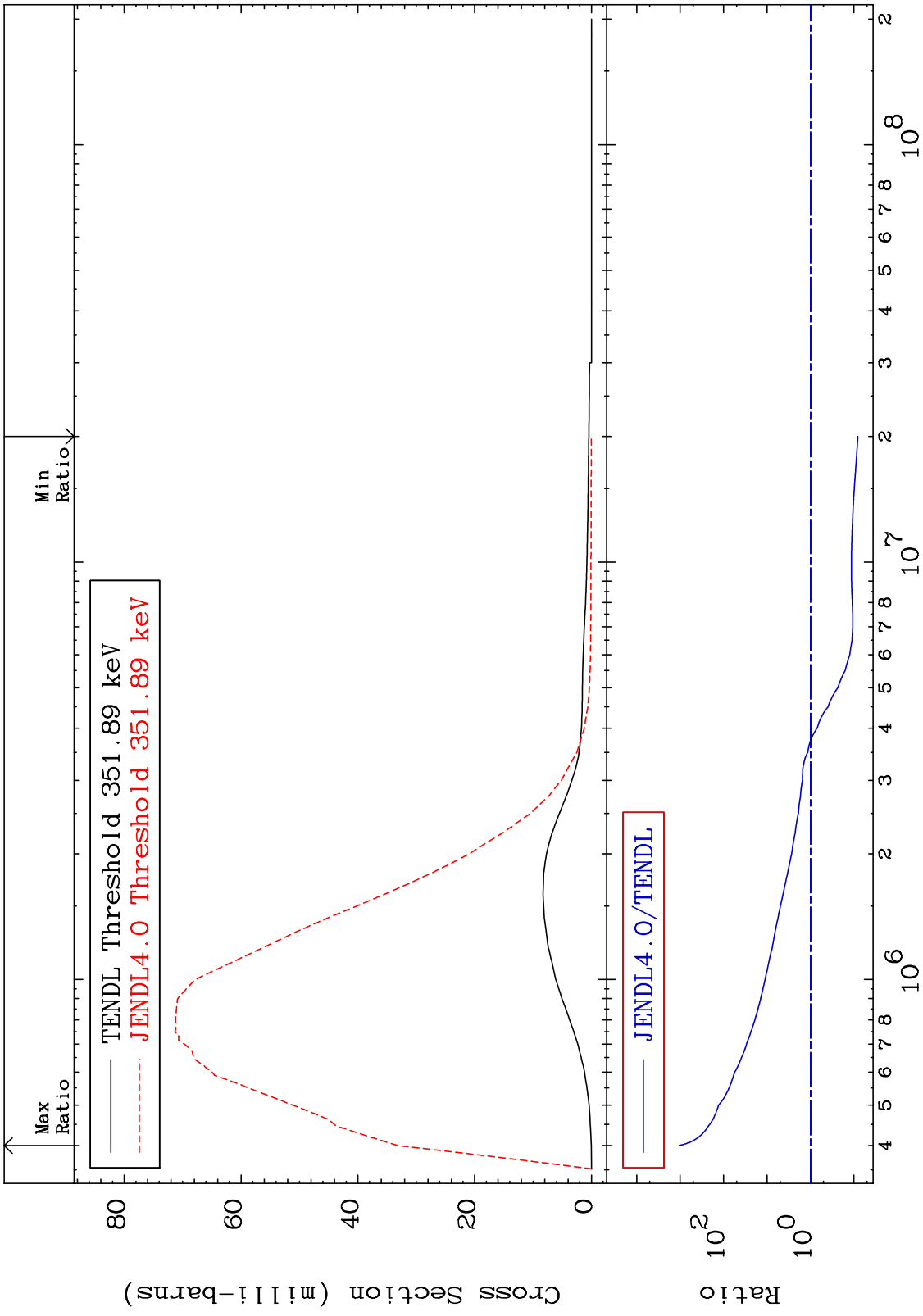


MAT 7634 MT= 61 (n,n') Level Cross Section 76-0s-187  
 -98.70 To -59.10%



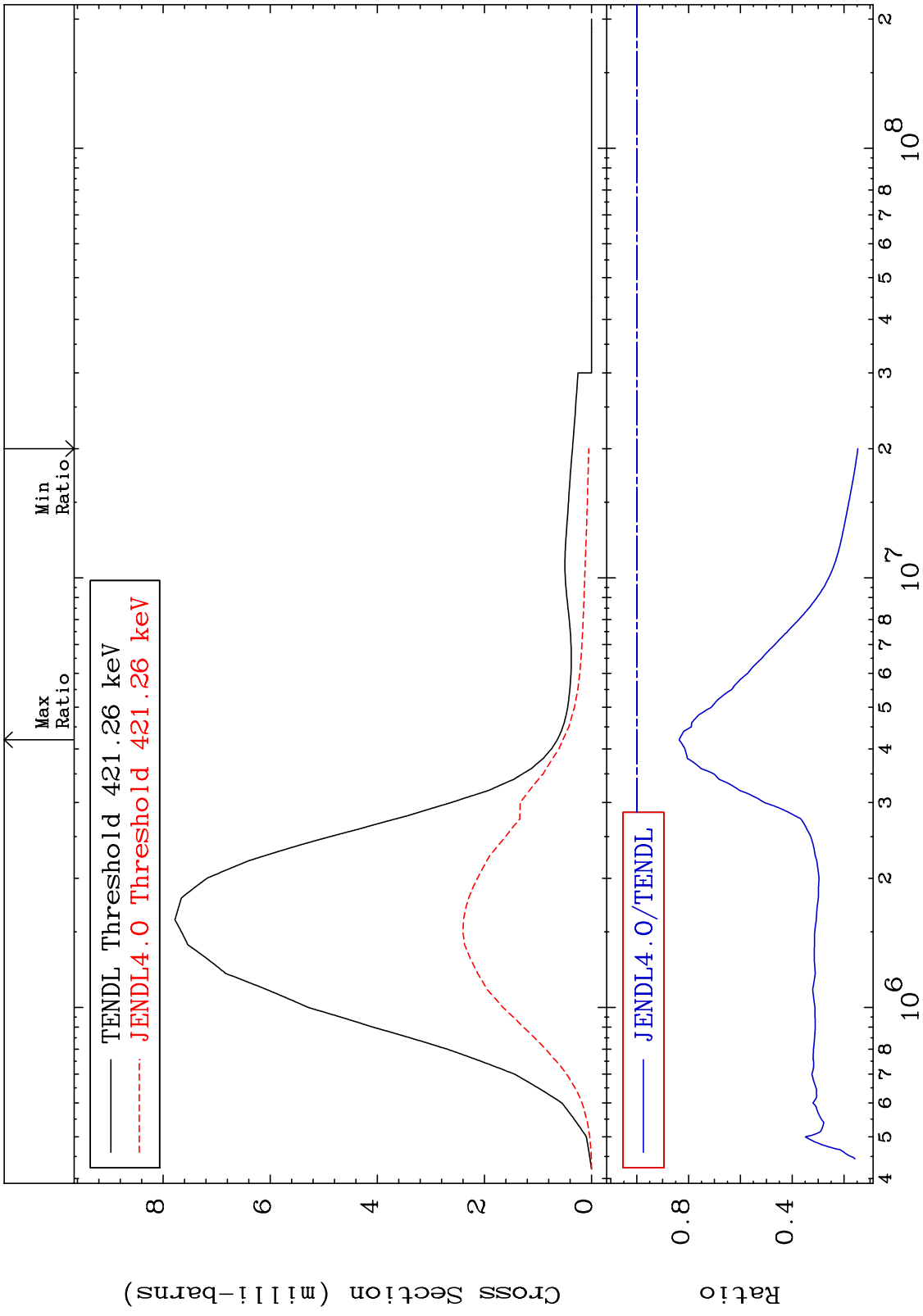
76-0s-187  
 Incident Energy (eV)  
 22

MAT 7634 MT= 62 (n,n') Level Cross Section 76-Os-187  
 -91.87 To 9999. %

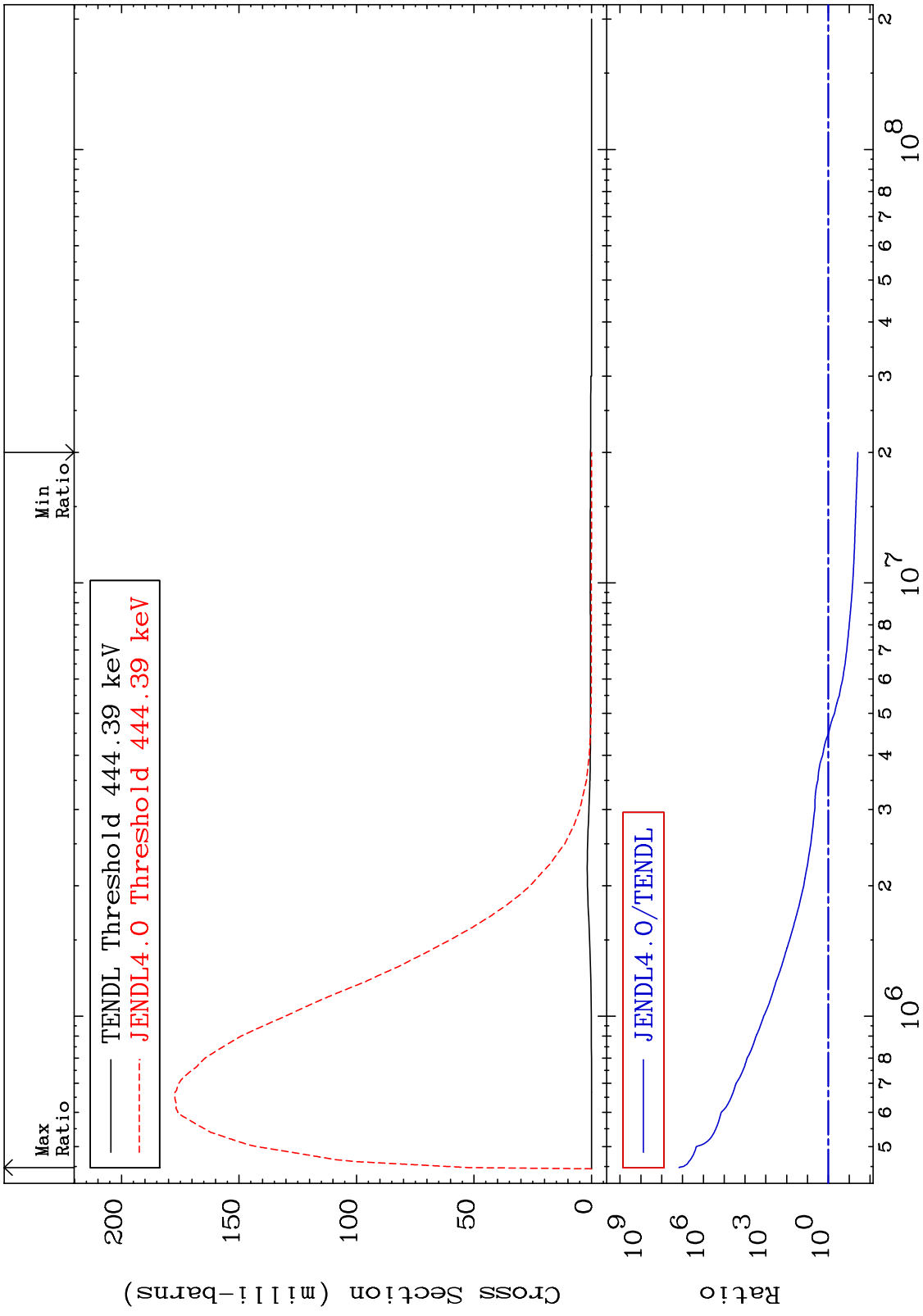




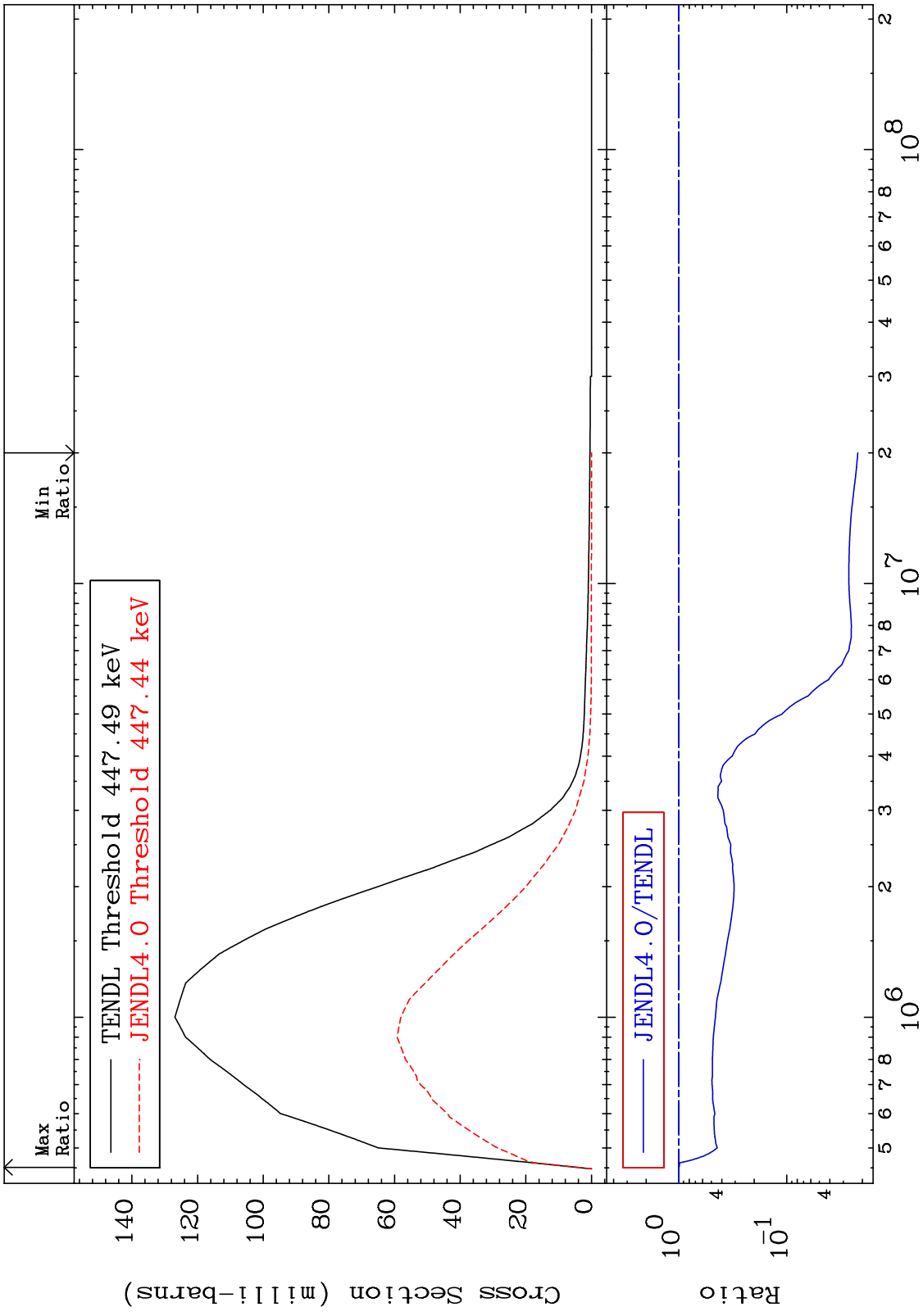
MAT 7634 MT= 63 (n,n') Level Cross Section 76-0s-187  
 -85.31 To -16.32%



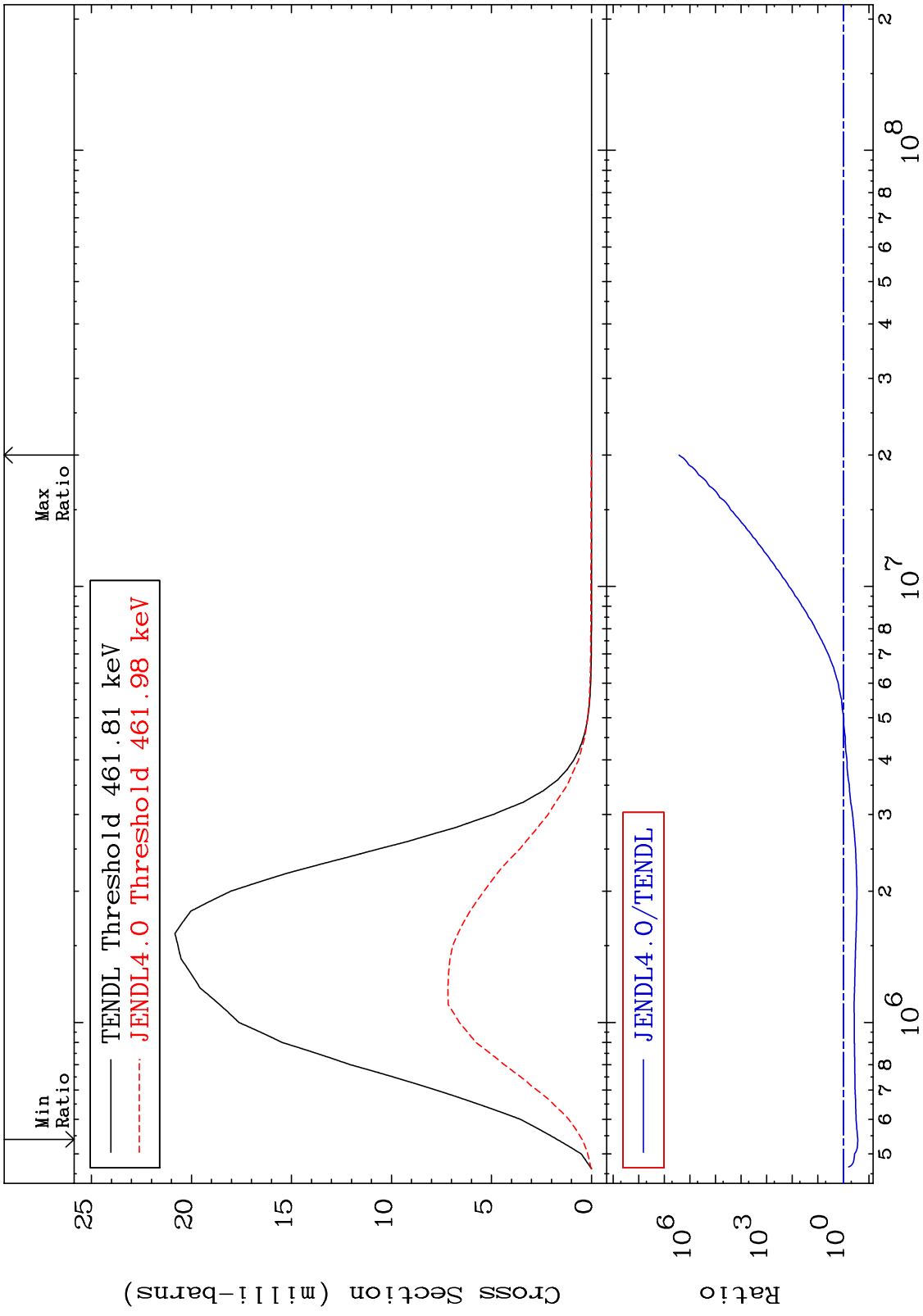
MAT 7634 MT= 64 (n,n') Level Cross Section 76-Os-187 -96.17 To 9999. %



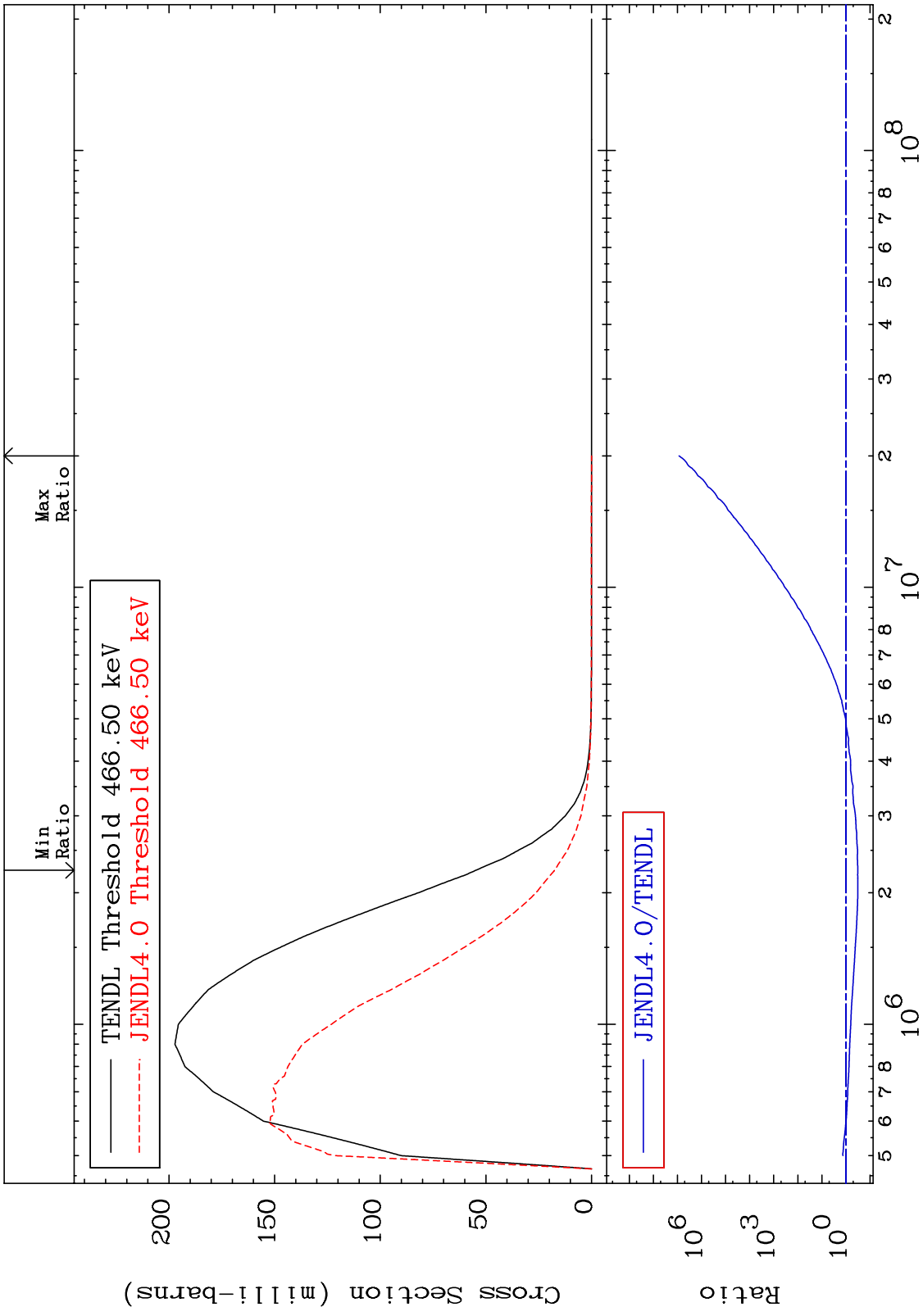
MAT 7634 MT= 65 (n,n') Level Cross Section 76-0s-187  
 -97.80 To -0.721%



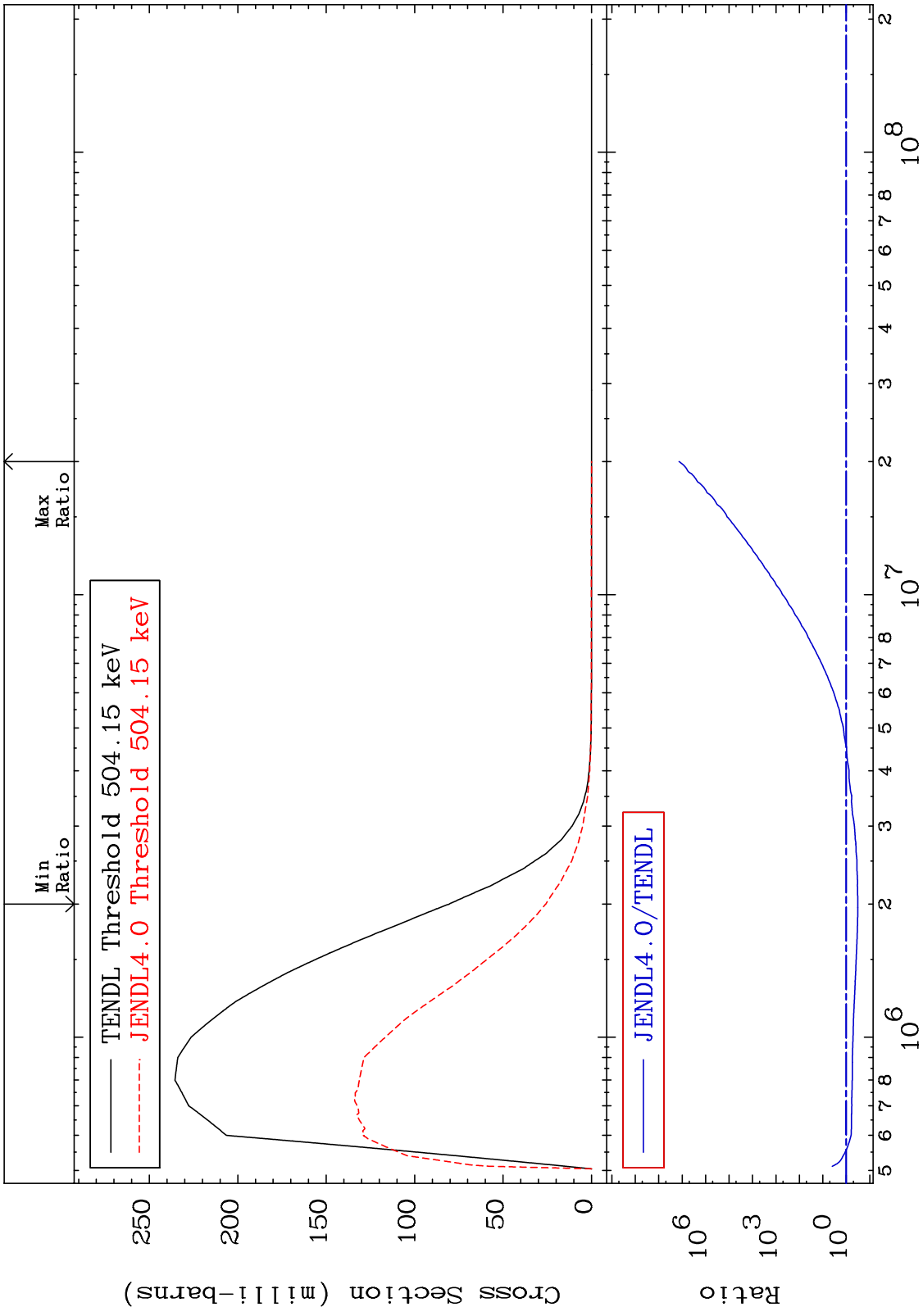
MAT 7634 MT= 66 (n,n') Level Cross Section 76-Os-187  
 -72.59 To 9999. %



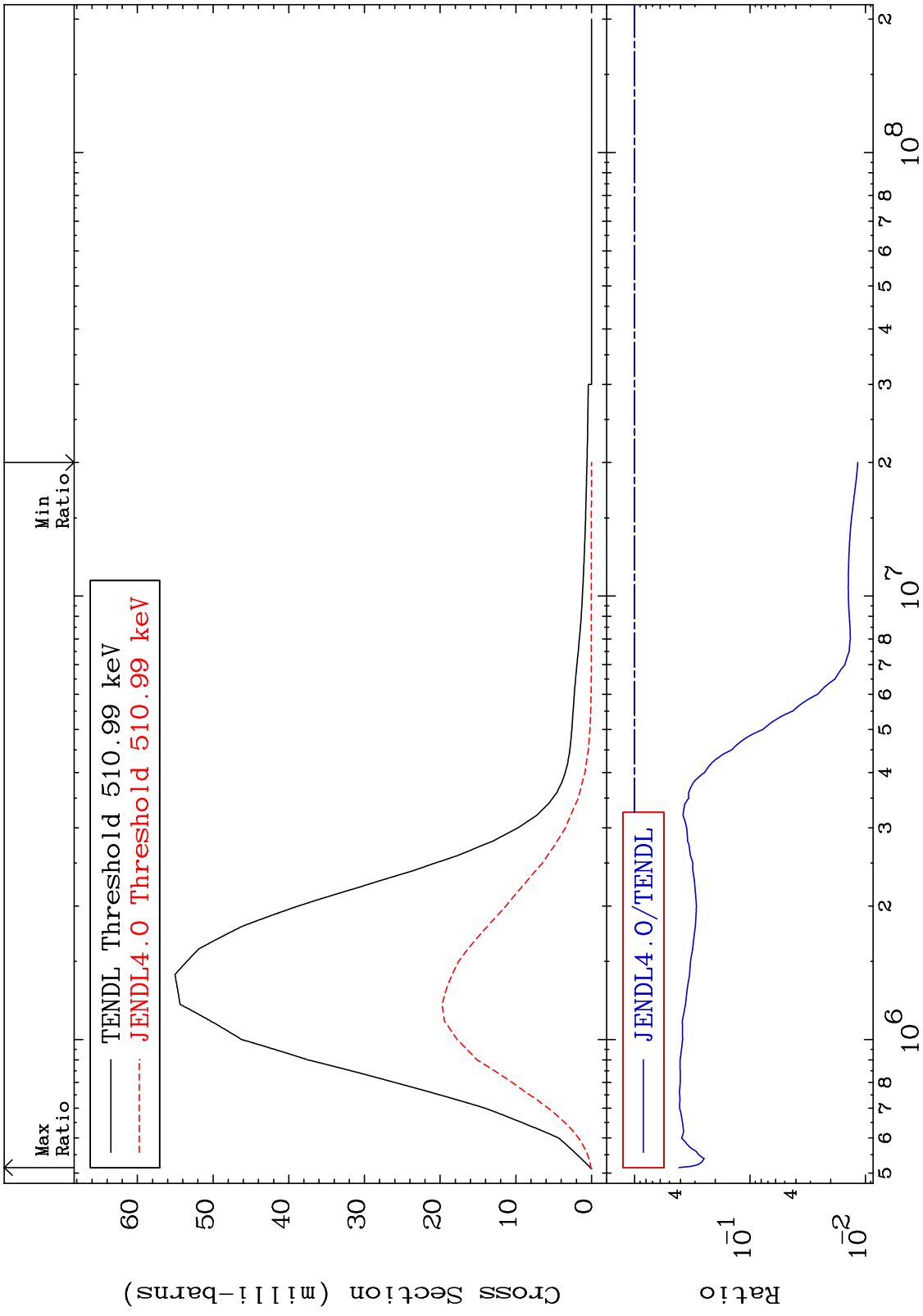
MAT 7634 MT= 67 (n,n') Level Cross Section 76-Os-187  
 -68.03 To 9999. %



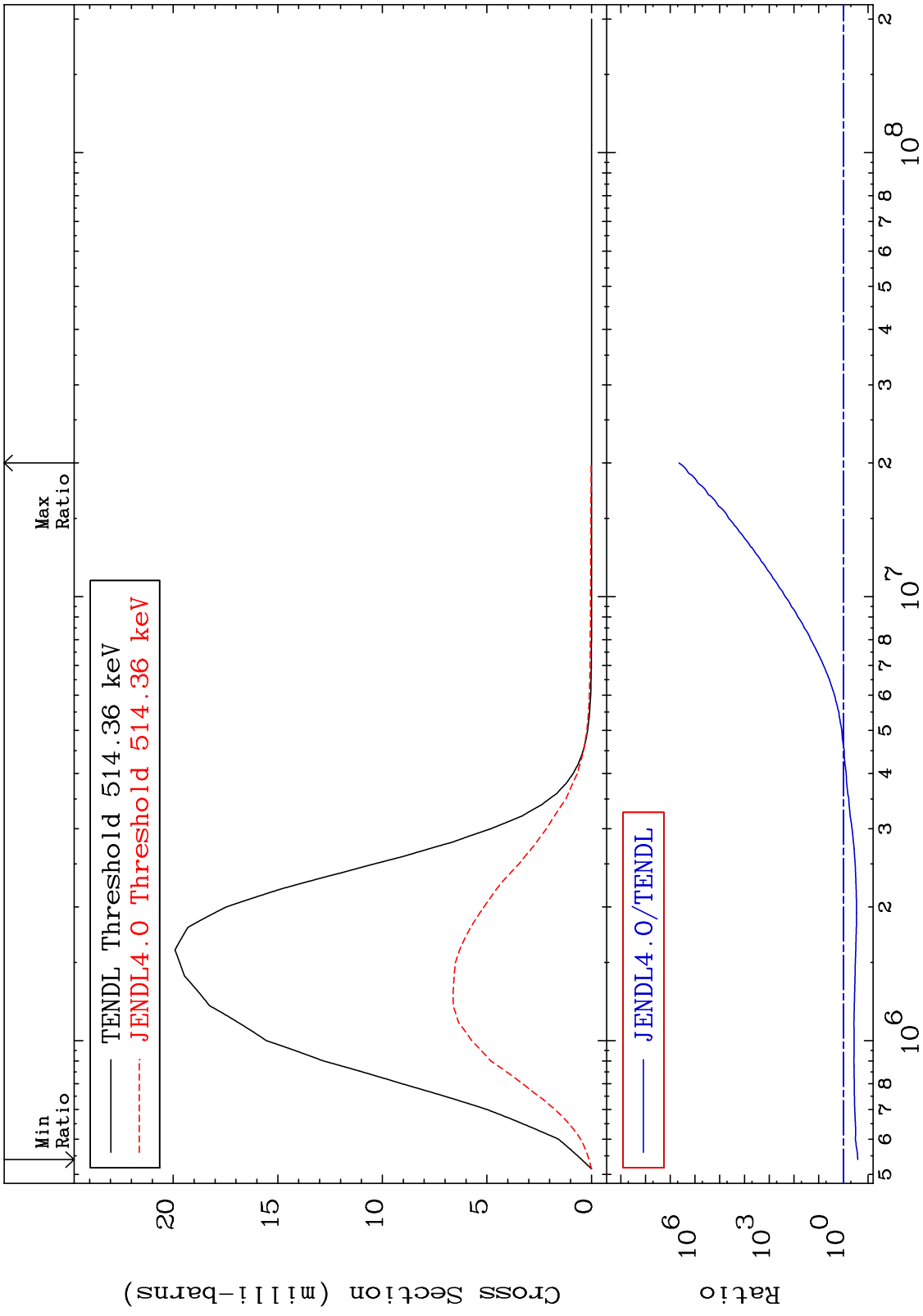
MAT 7634 MT= 68 (n,n') Level Cross Section 76-0s-187  
 -67.87 To 9999. %



MAT 7634 MT= 69 (n,n') Level Cross Section 76-0s-187  
 -98.84 To -58.74%

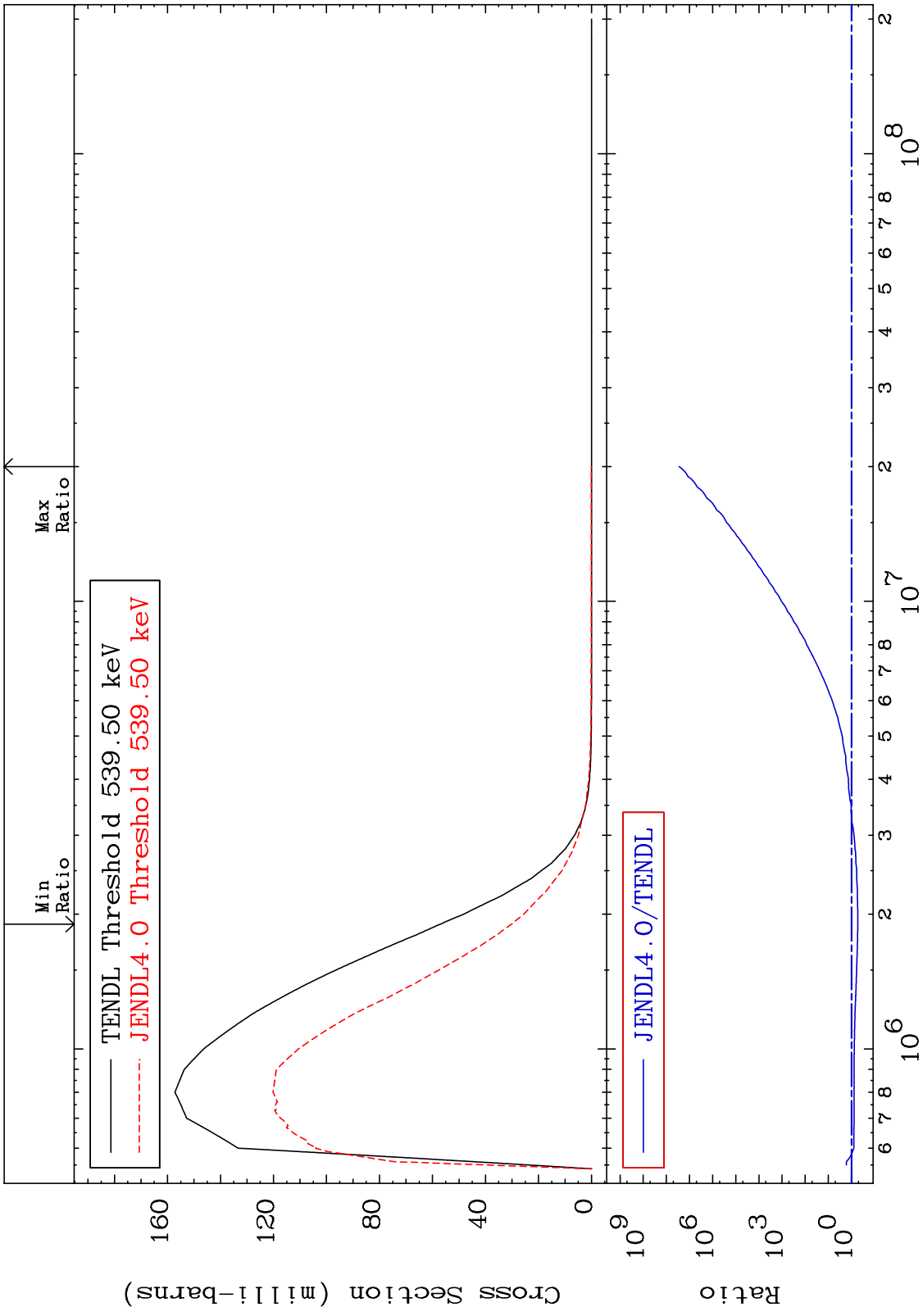


MAT 7634 MT= 70 (n,n') Level Cross Section 76-0s-187  
 -73.90 To 9999. %

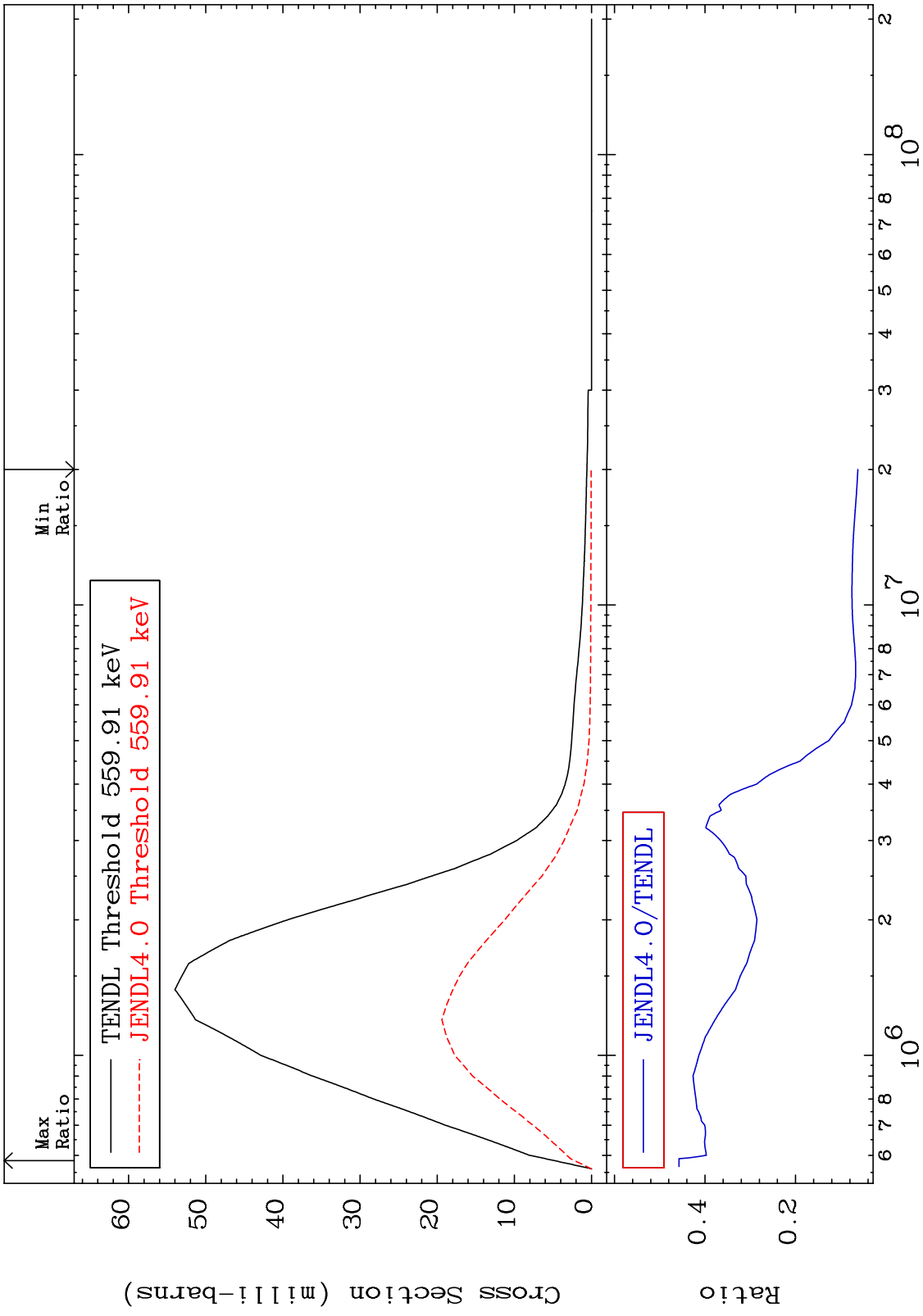




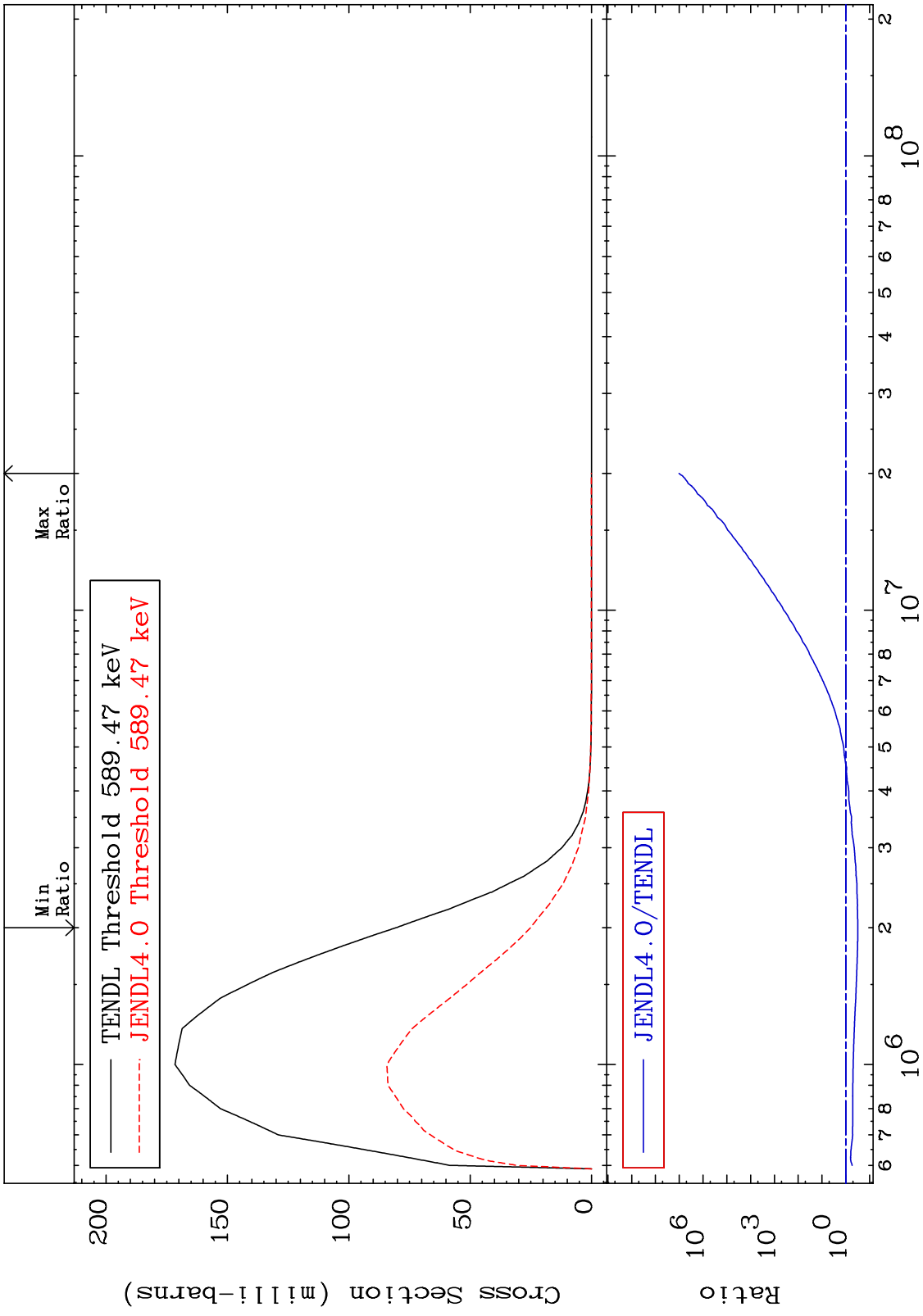
MAT 7634 MT= 71 (n,n') Level Cross Section 76-Os-187  
 -47.14 To 9999. %



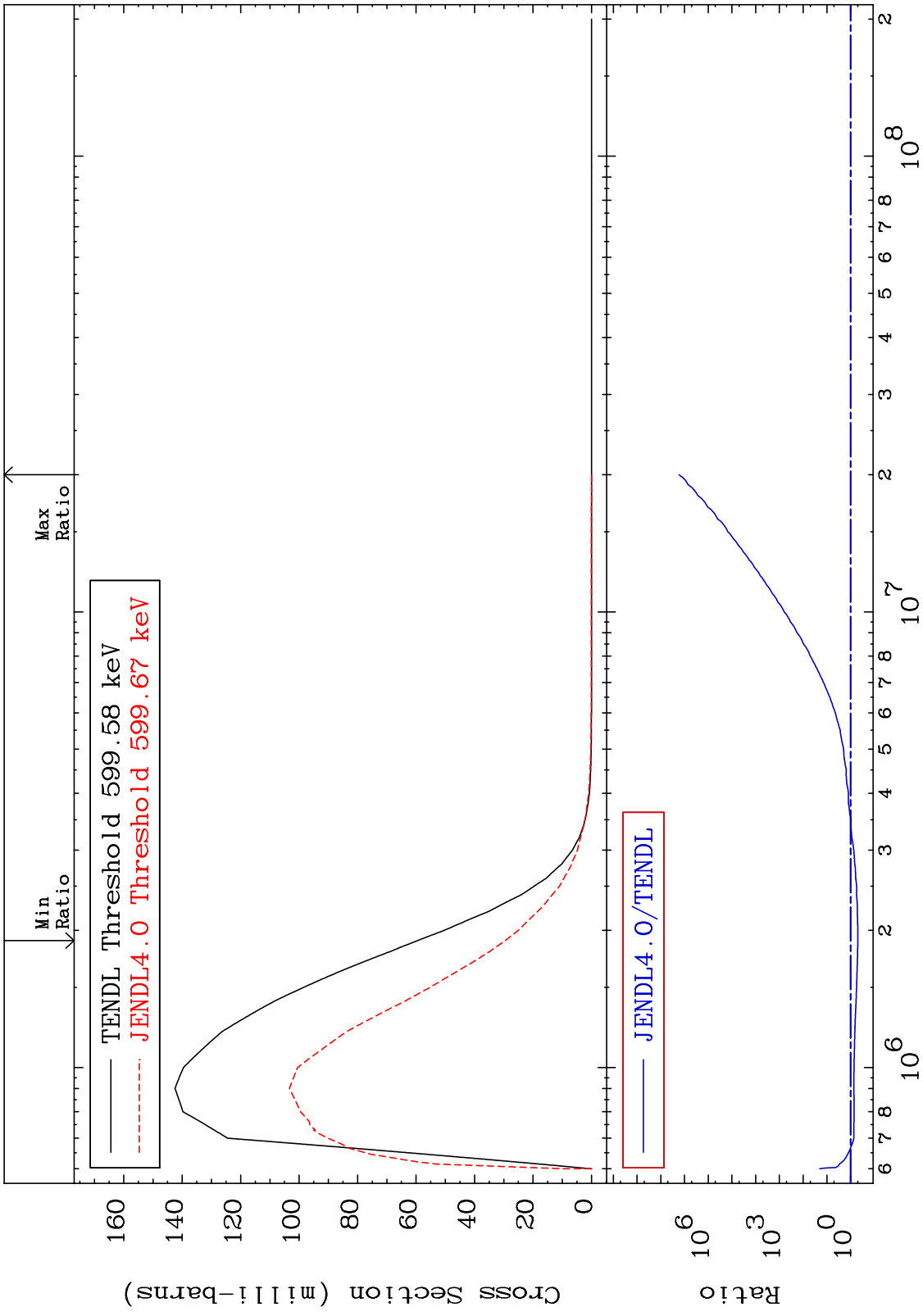
MAT 7634 MT= 72 (n,n') Level Cross Section 76-0s-187  
 -93.76 To -54.27%



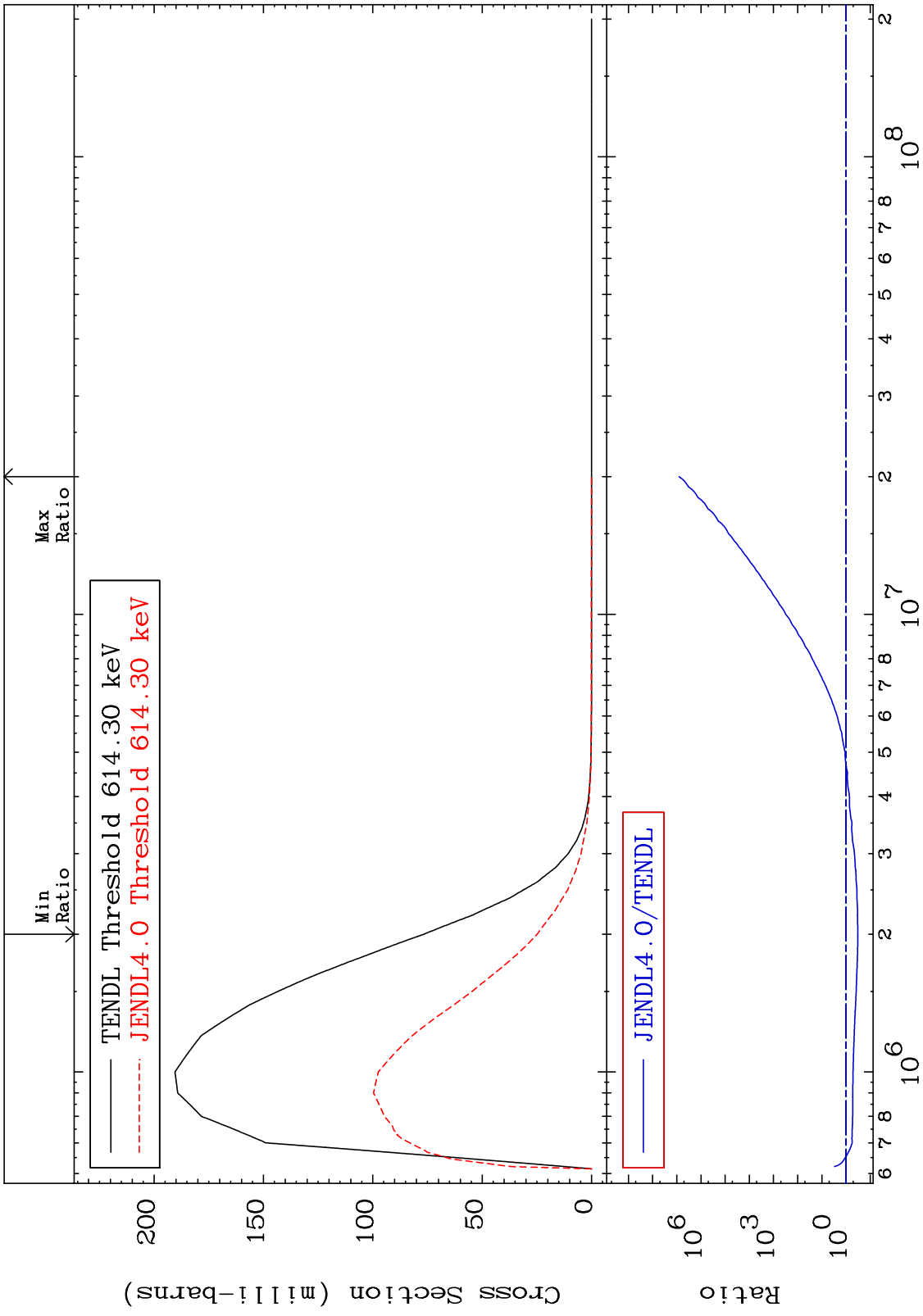
MAT 7634 MT= 73 (n,n') Level Cross Section 76-Os-187  
 -68.79 To 9999. %



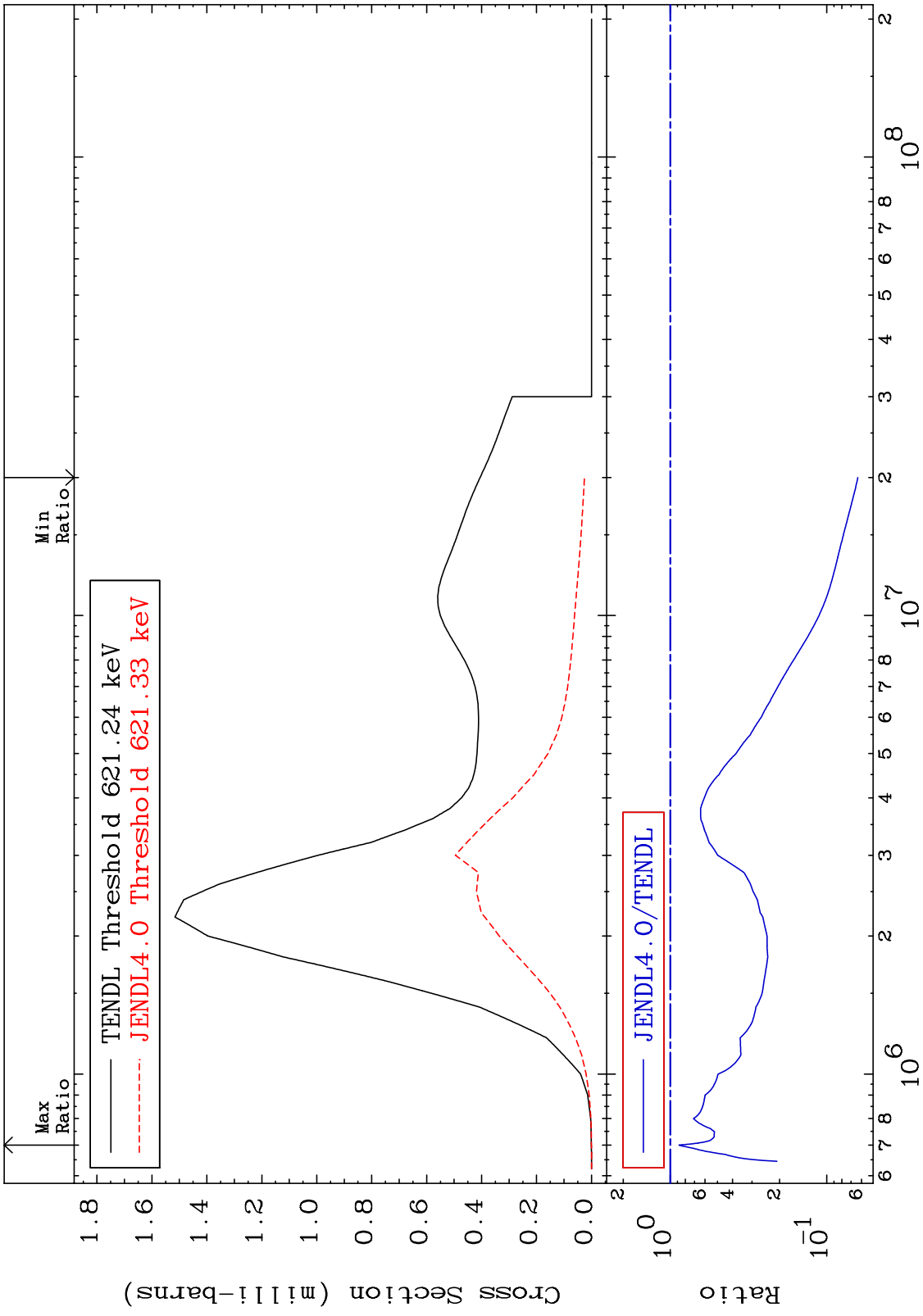
MAT 7634 MT= 74 (n,n') Level Cross Section 76-Os-187  
 -50.45 To 9999. %



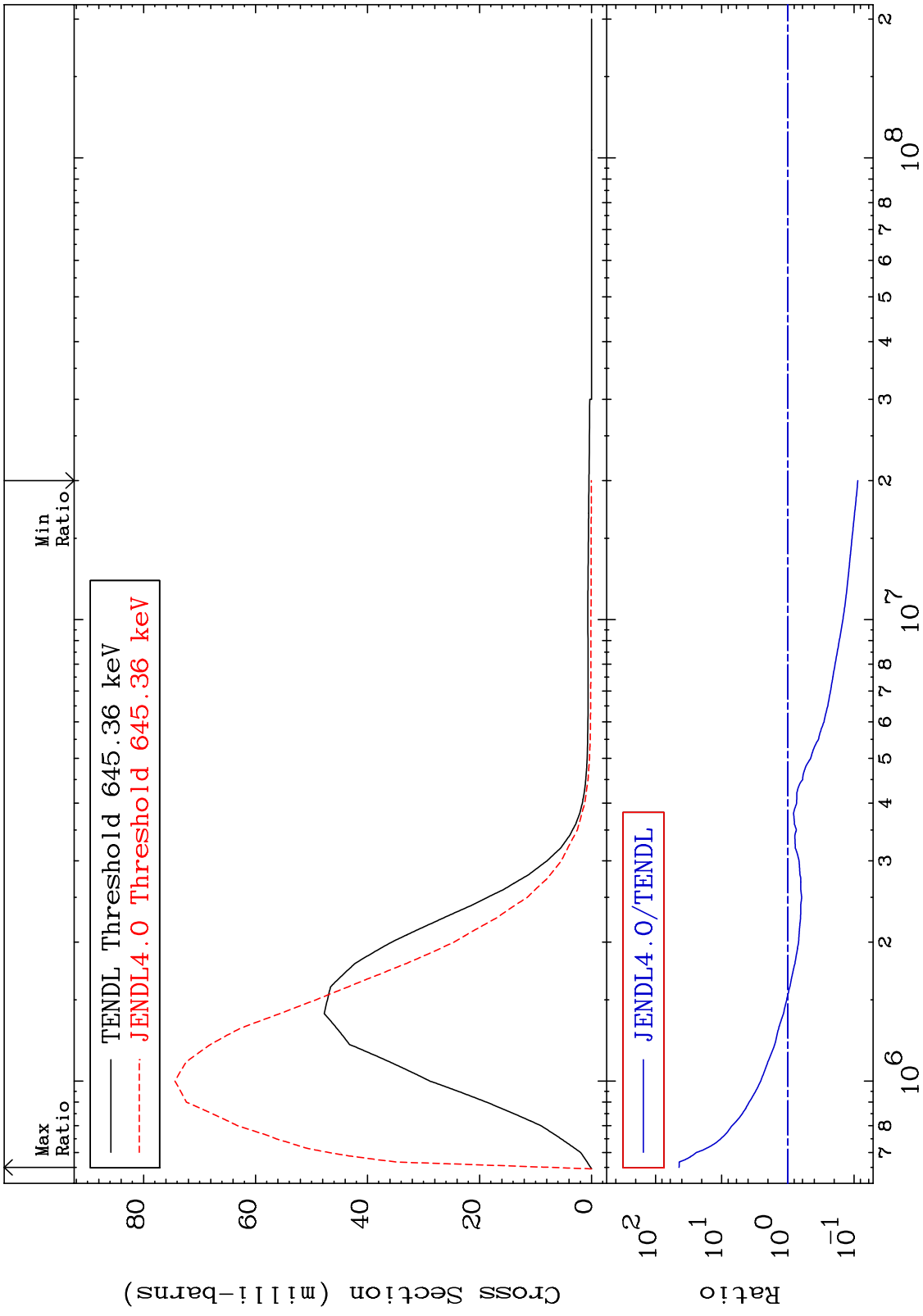
MAT 7634 MT= 75 (n,n') Level Cross Section 76-Os-187  
 -67.56 To 9999. %



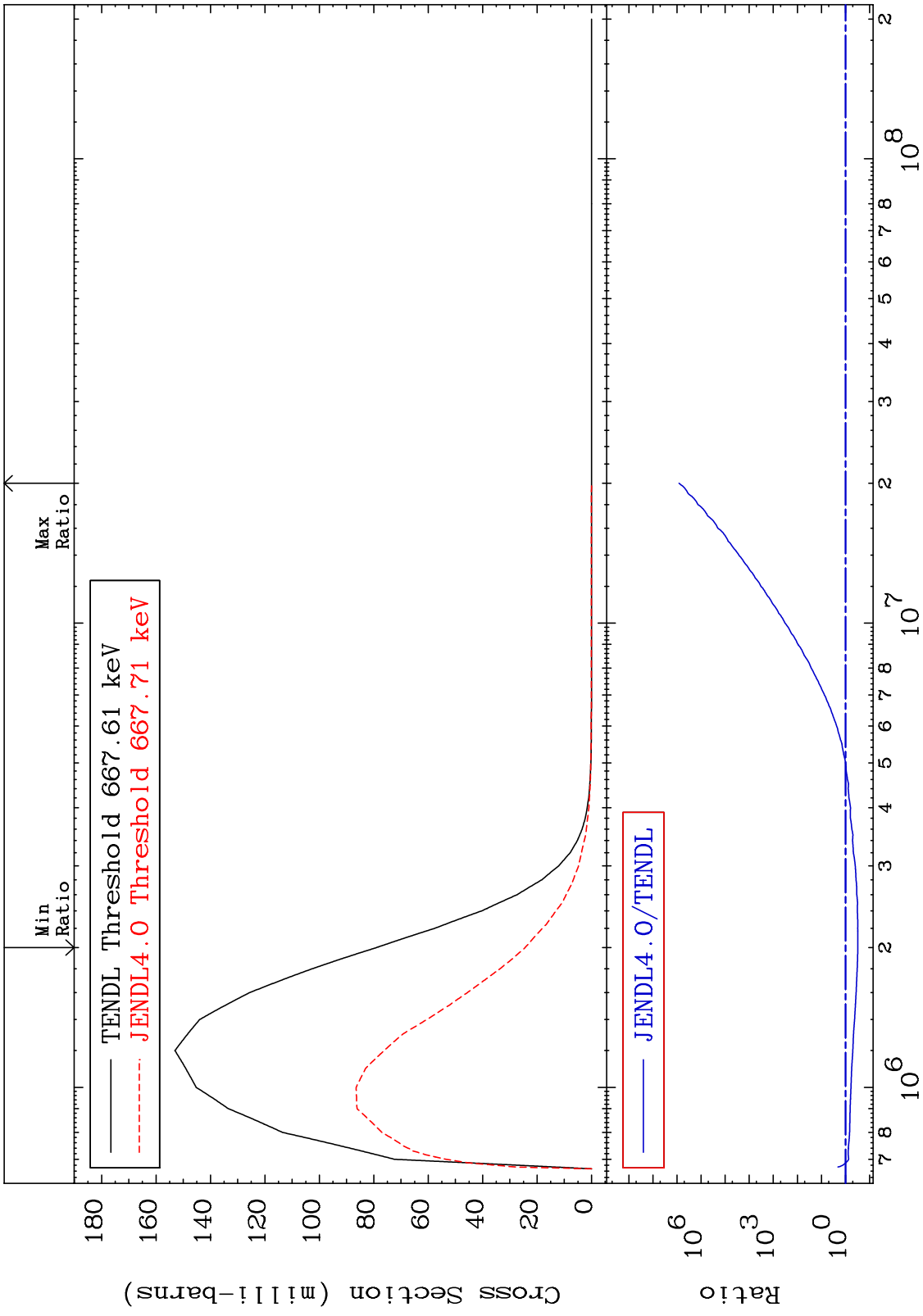
MAT 7634 MT= 76 (n,n') Level Cross Section 76-0s-187  
 -93.67 To -12.15%



MAT 7634 MT= 77 (n,n') Level Cross Section 76-0s-187  
 -91.25 To 4313. %

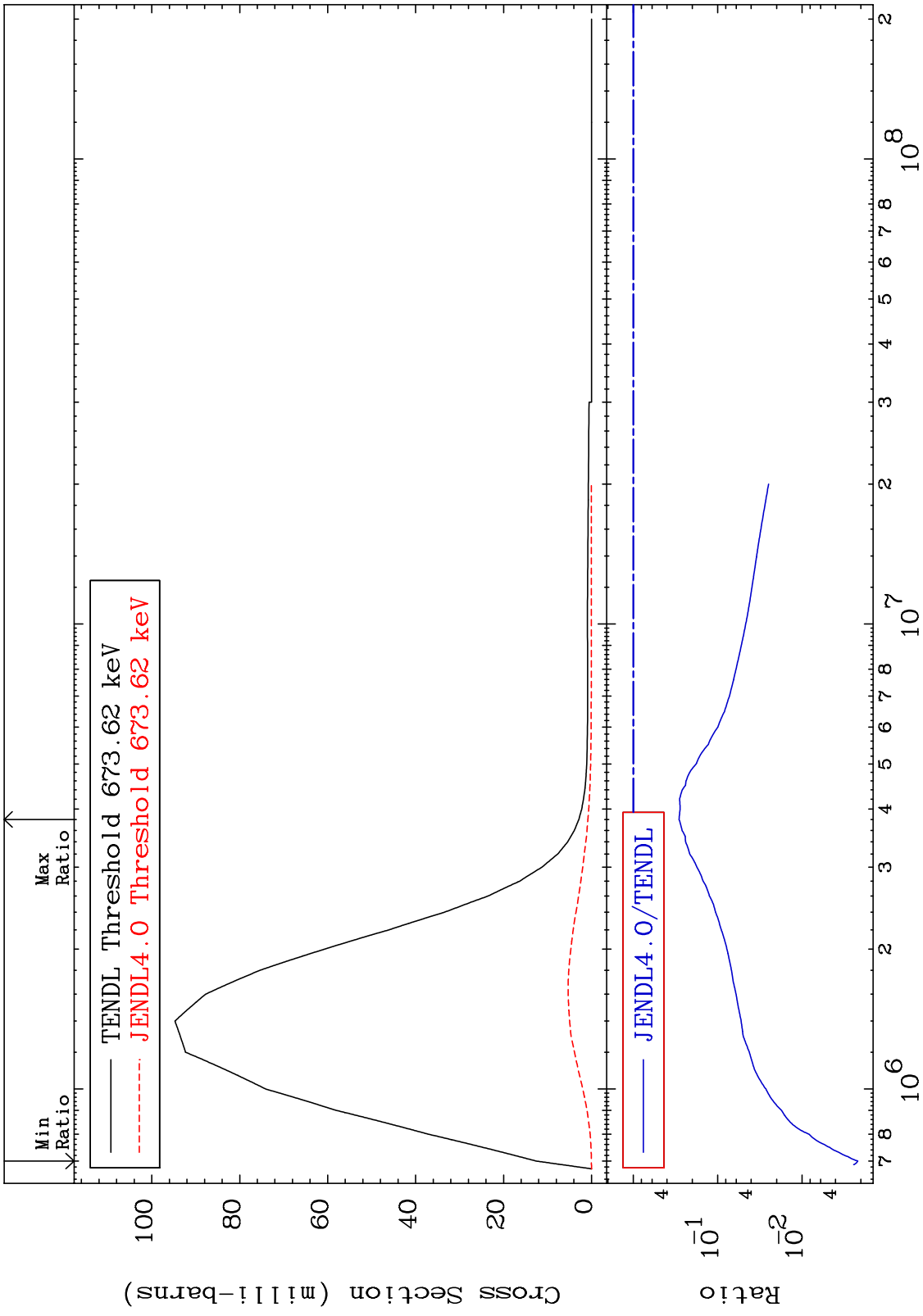


MAT 7634 MT= 78 (n,n') Level Cross Section 76-Os-187  
 -69.16 To 9999. %





MAT 7634 MT= 79 (n,n') Level Cross Section 76-0s-187  
 -99.78 To -71.33%

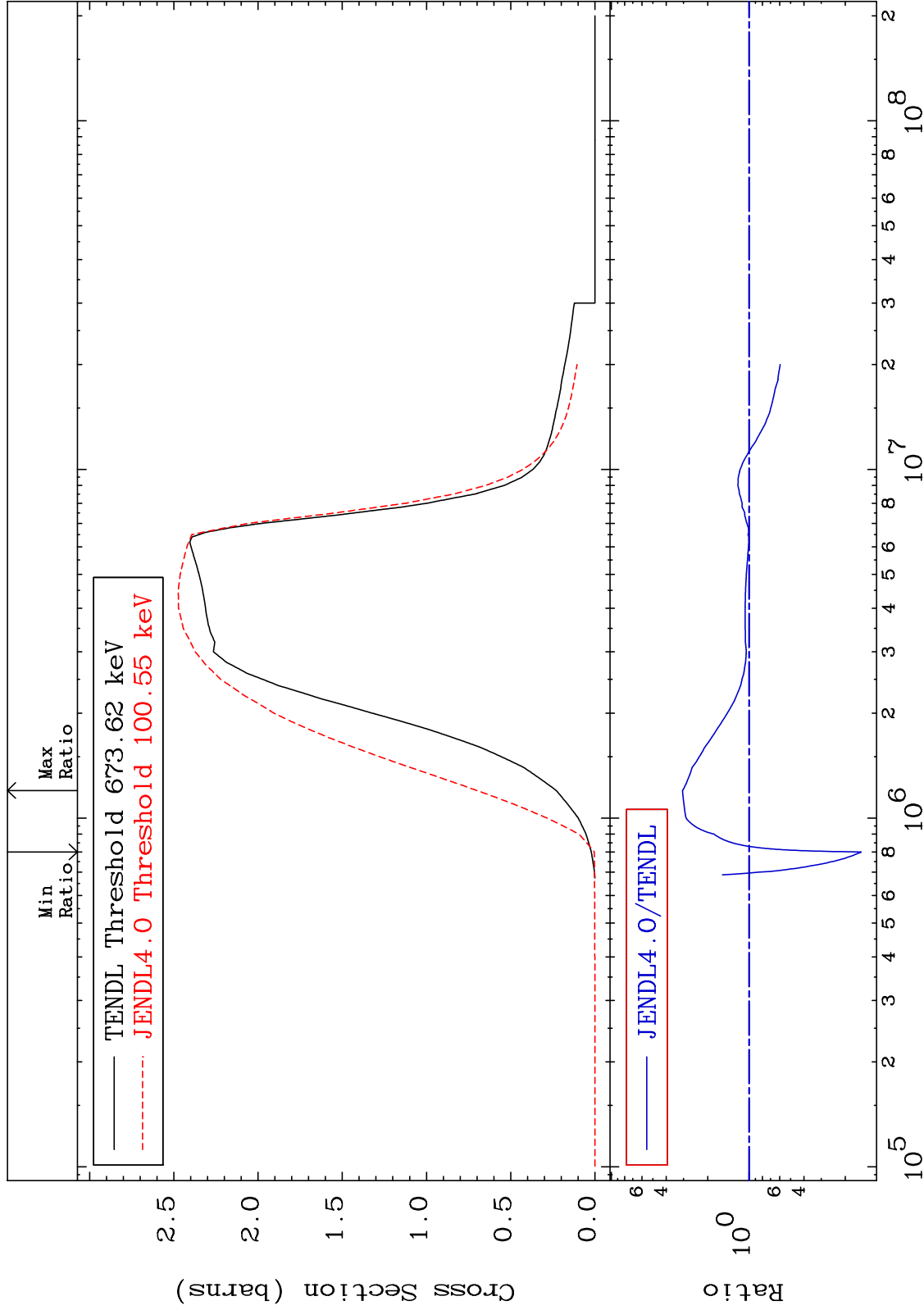


40 76-0s-187

MAT 7634

(n,n') Continuum  
Cross Section

76-Os-187  
-84.67 To 204.8 %

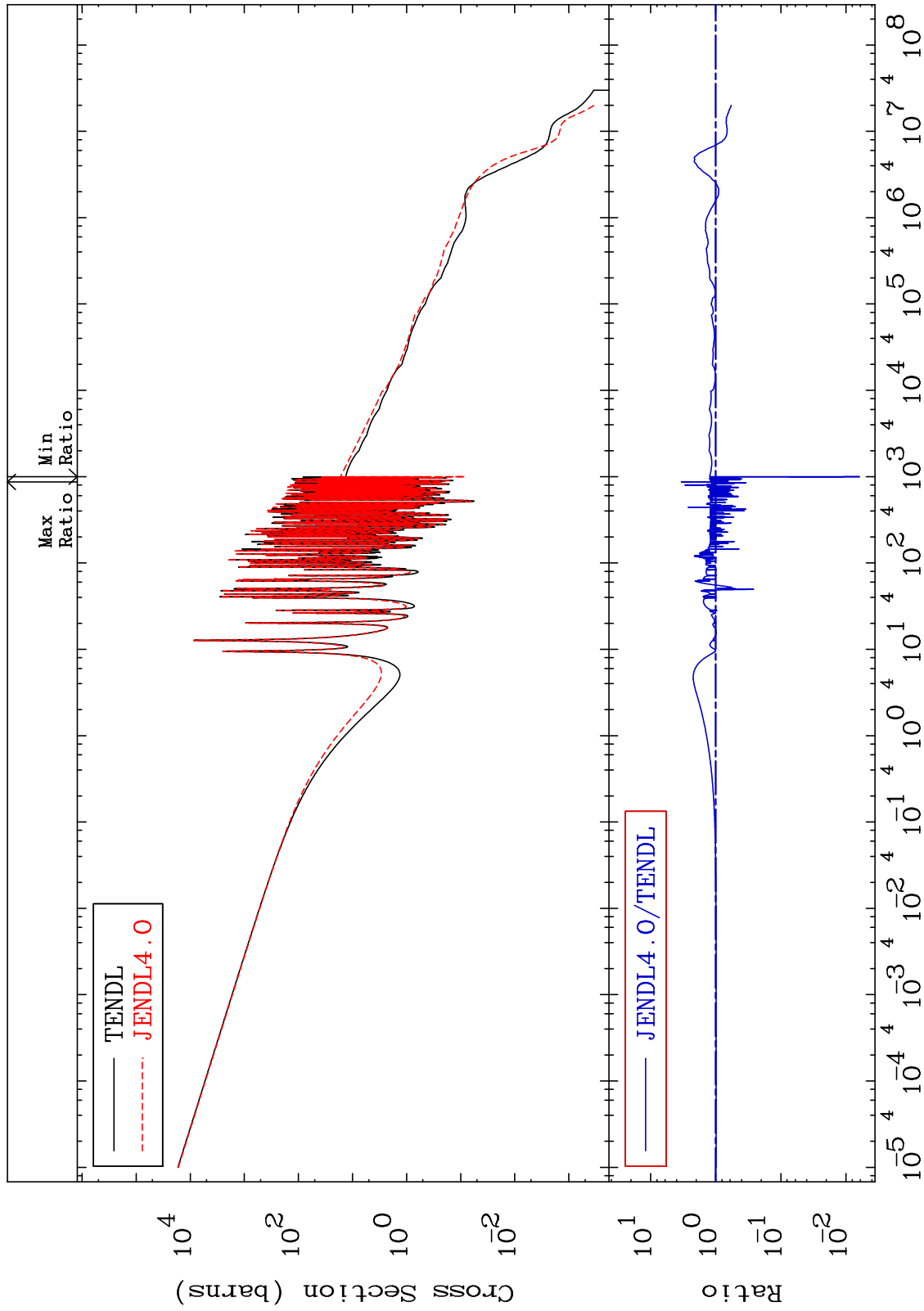


MAT 7634

(n,  $\gamma$ )

76-0s-187

-99.39 To 238.6 %



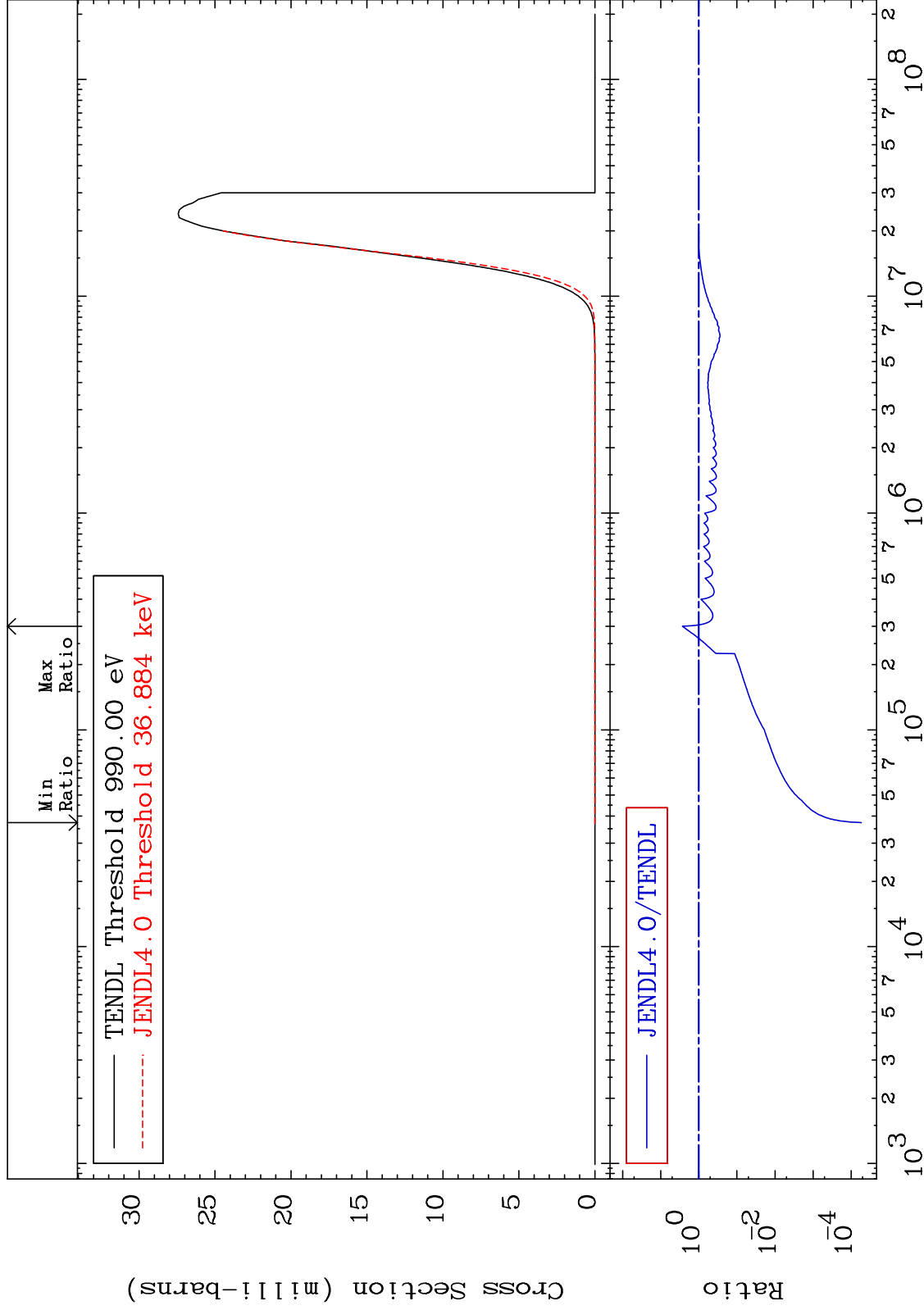
MAT 7634

(n,p)

76-Os-187

-99.99 To 168.4 %

Cross Section

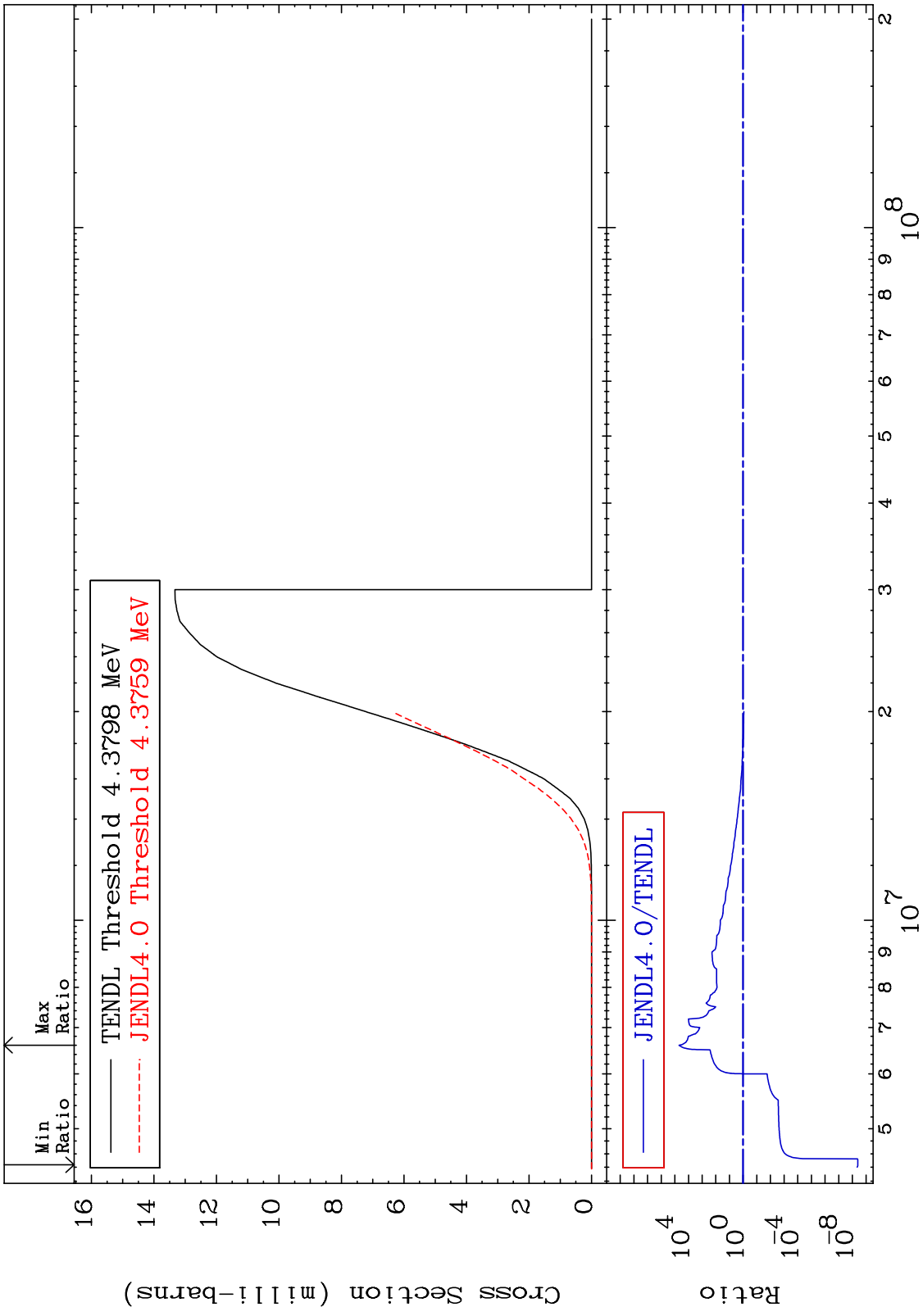


43

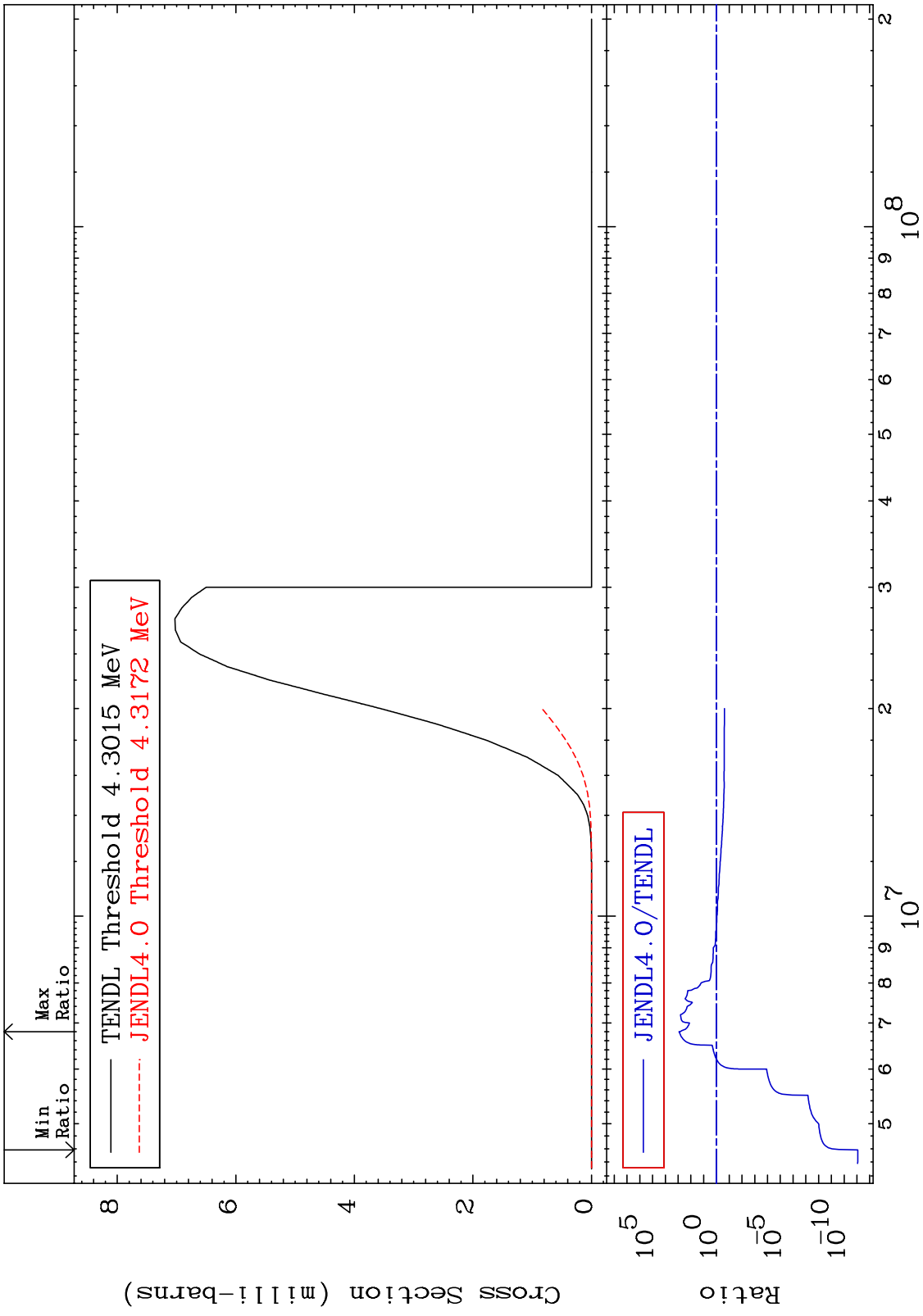
Incident Energy (eV)

76-Os-187

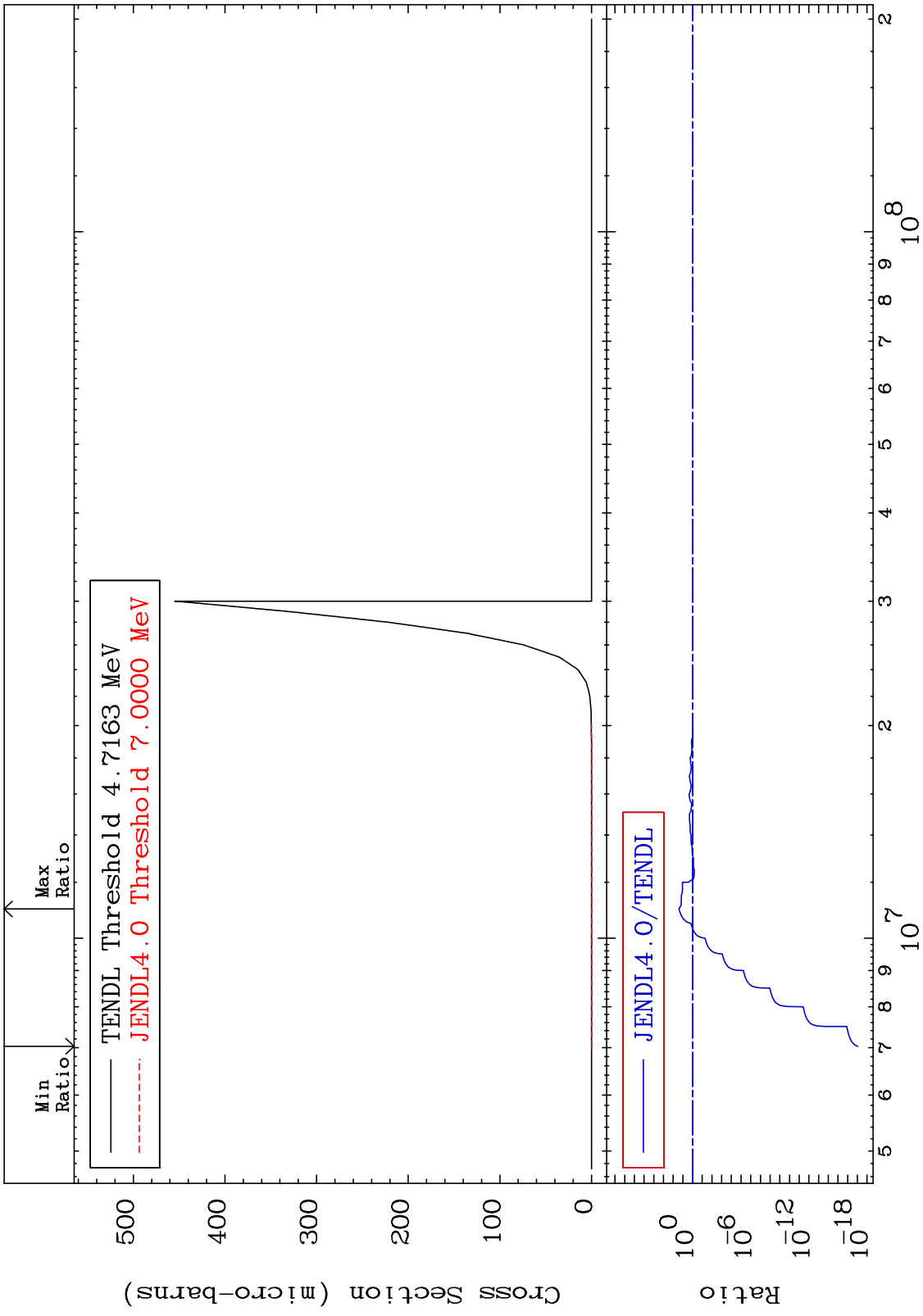
MAT 7634 (n,d) 76-Os-187  
 Cross Section -100.0 To 9999. %



MAT 7634 (n,t) 76-Os-187  
 Cross Section -100.0 To 9999. %



MAT 7634 (n, He-3) 76-Os-187  
 Cross Section -100.0 To 2364. %



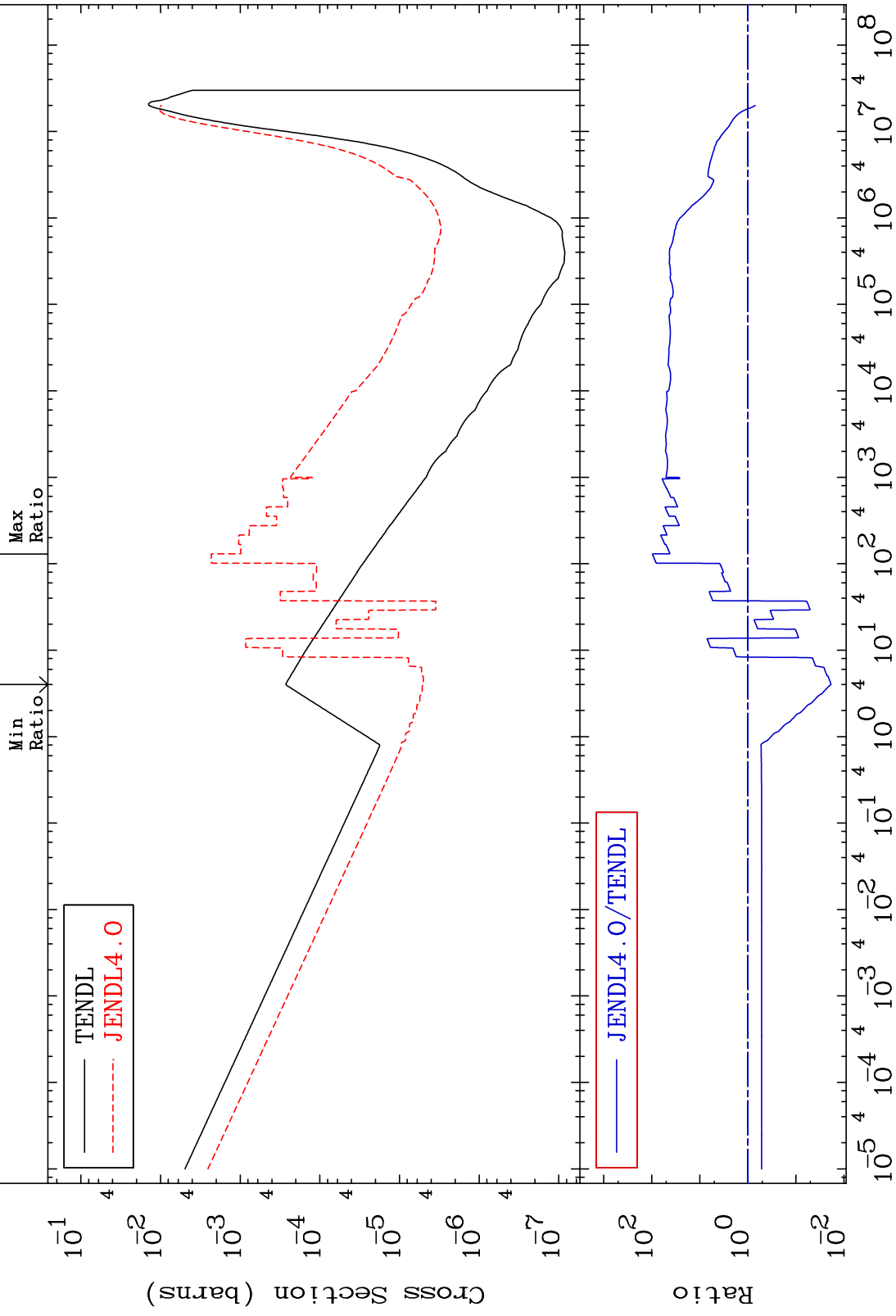
MAT 7634

(n,  $\alpha$ )

76-Os-187

-98.13 To 9635. %

Cross Section



47

Incident Energy (eV)

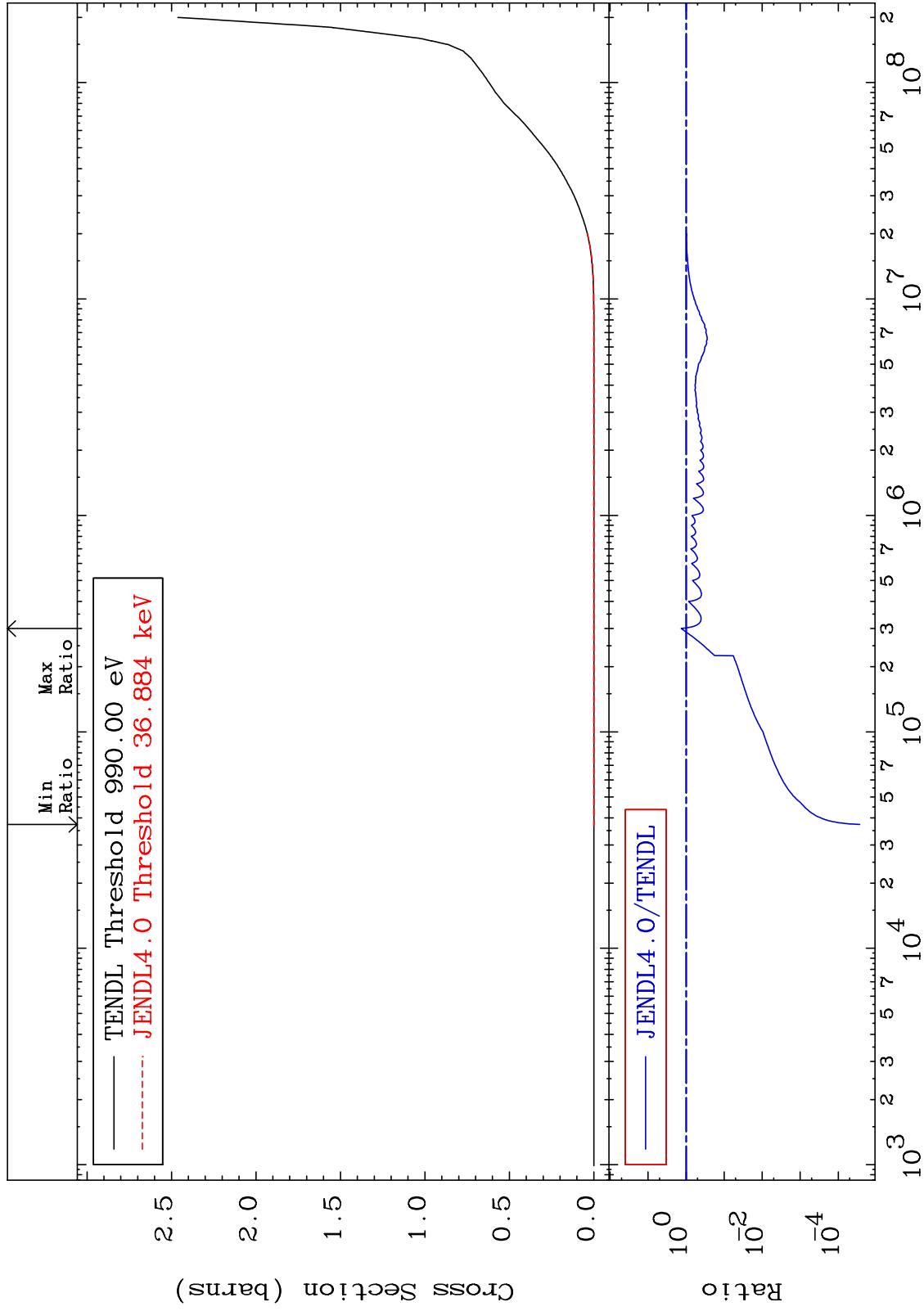
76-Os-187



MAT 7634

Hydrogen Production  
Cross Section

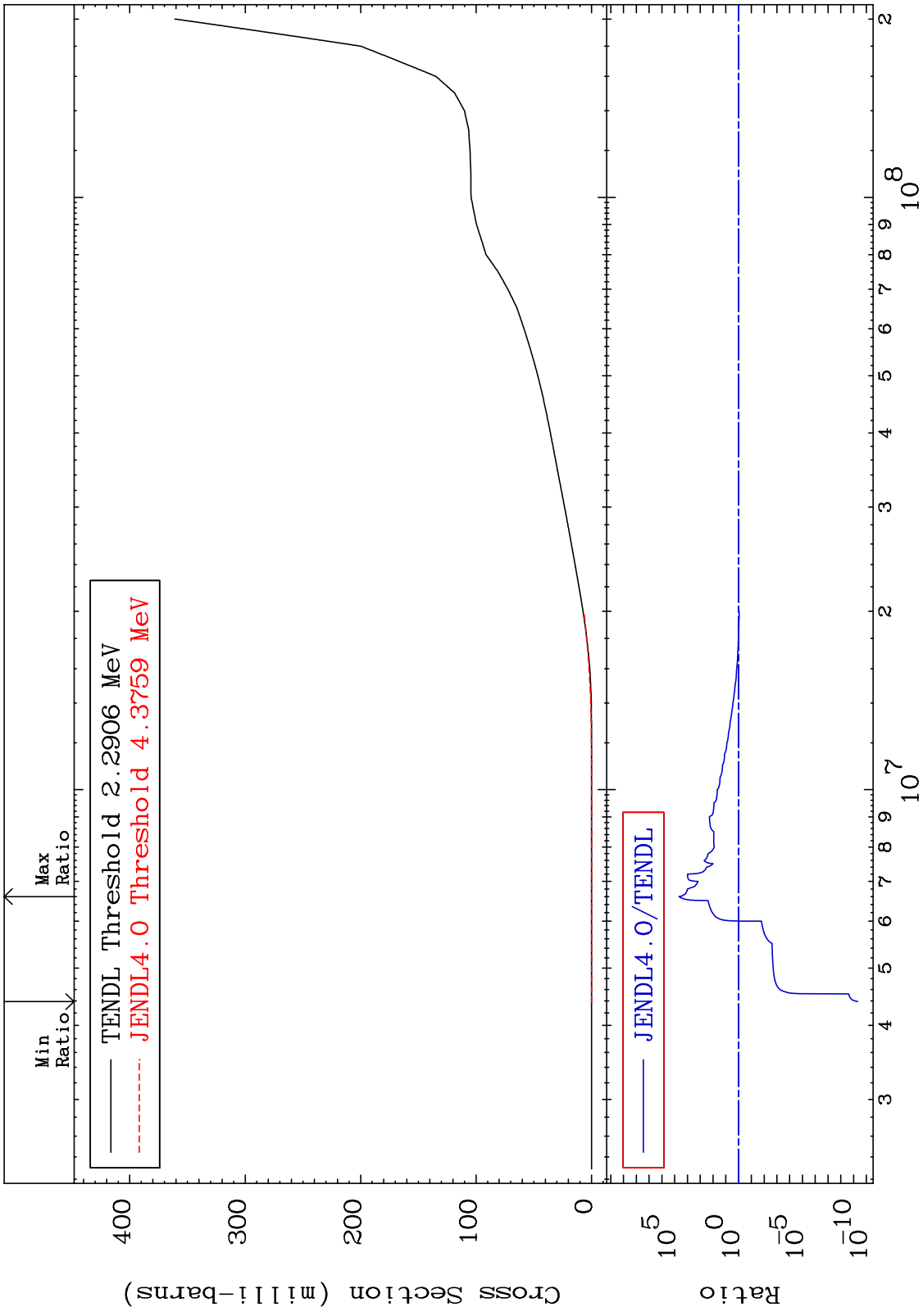
76-0s-187  
-100.0 To 34.22 %



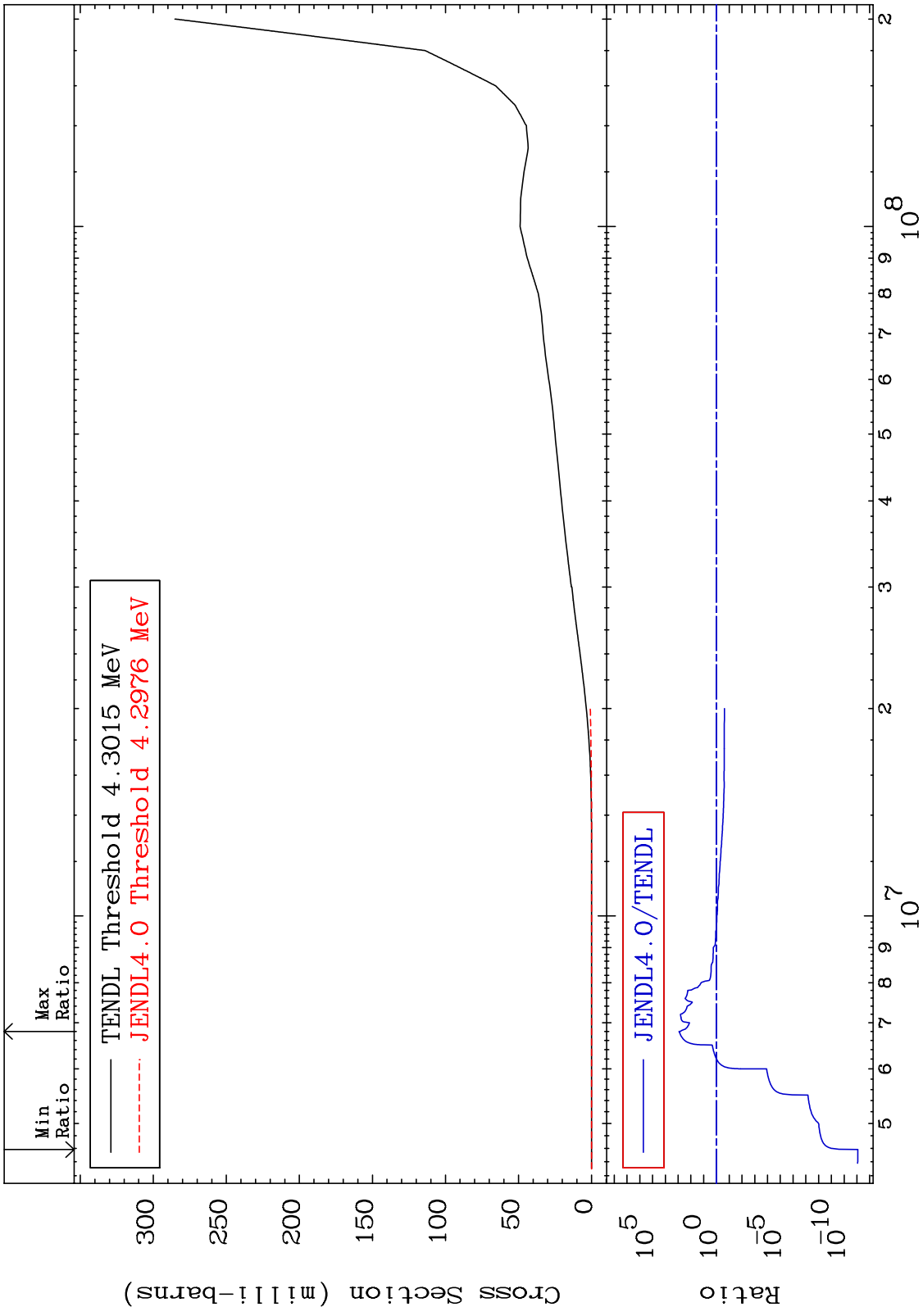
48

Incident Energy (eV)

76-0s-187

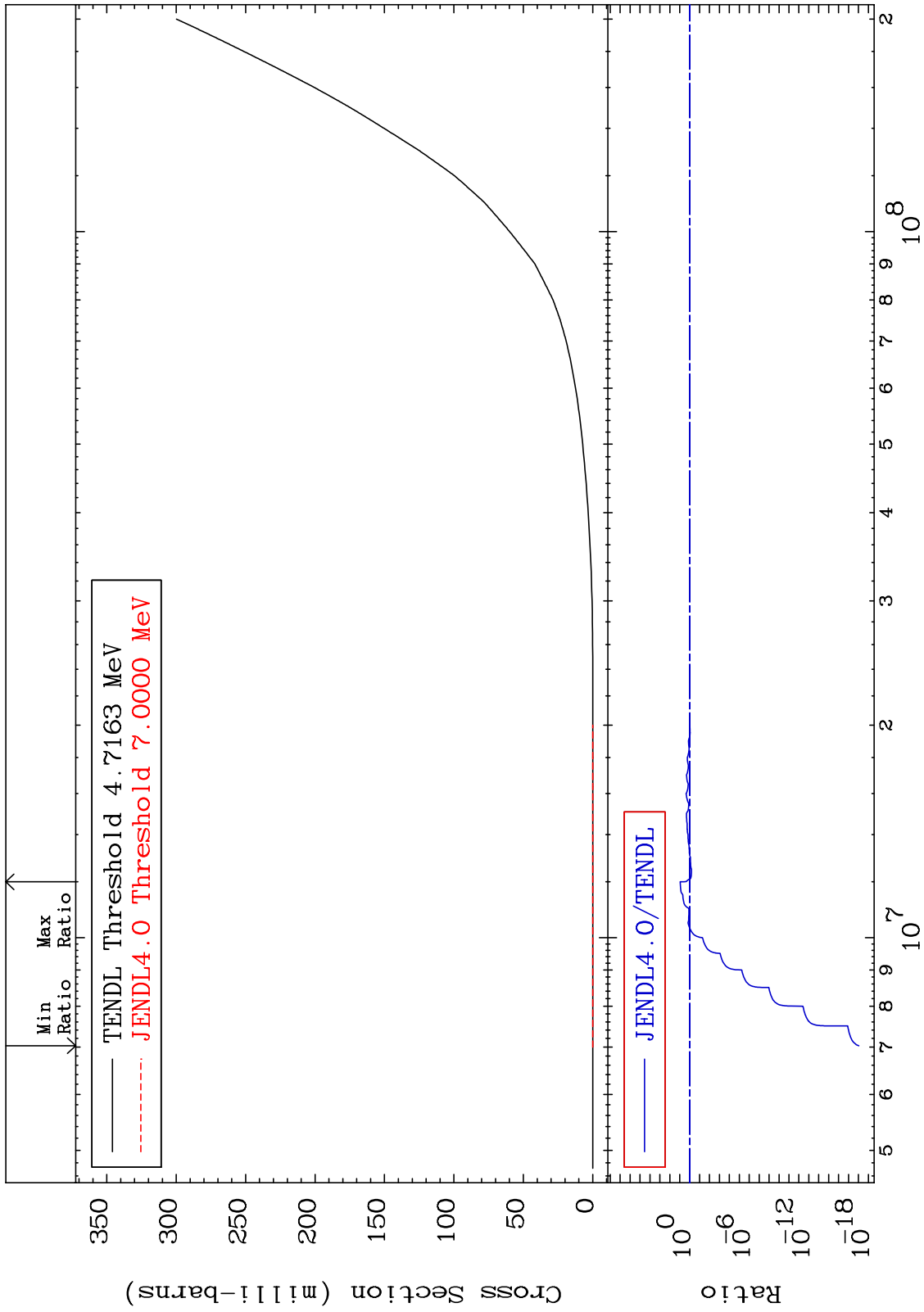


MAT 7634 Tritium Production Cross Section 76-Os-187 -100.0 To 9999. %



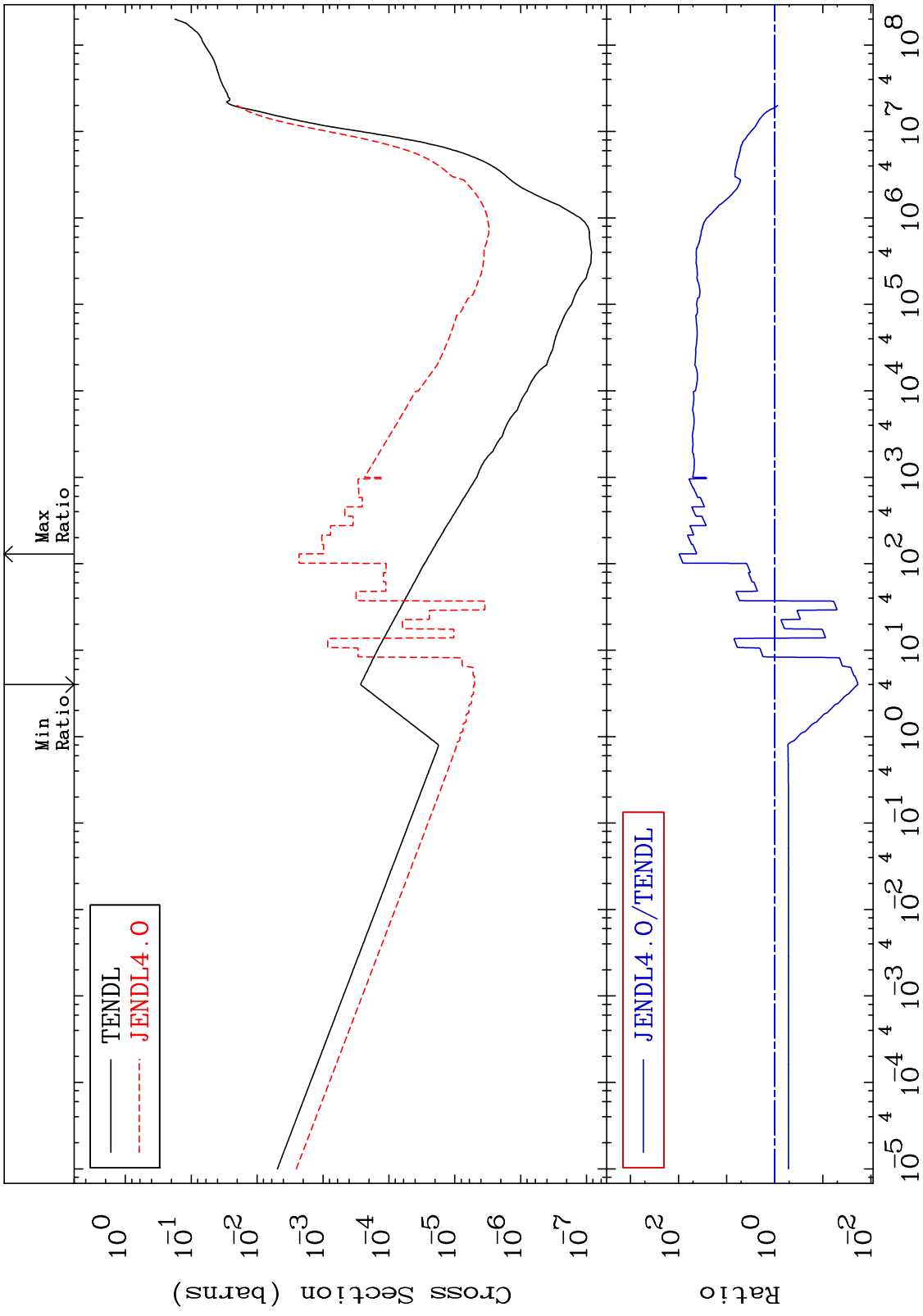
50 76-Os-187 Incident Energy (eV)

MAT 7634 He-3 Production Cross Section 76-0s-187  
 -100.0 To 795.2 %

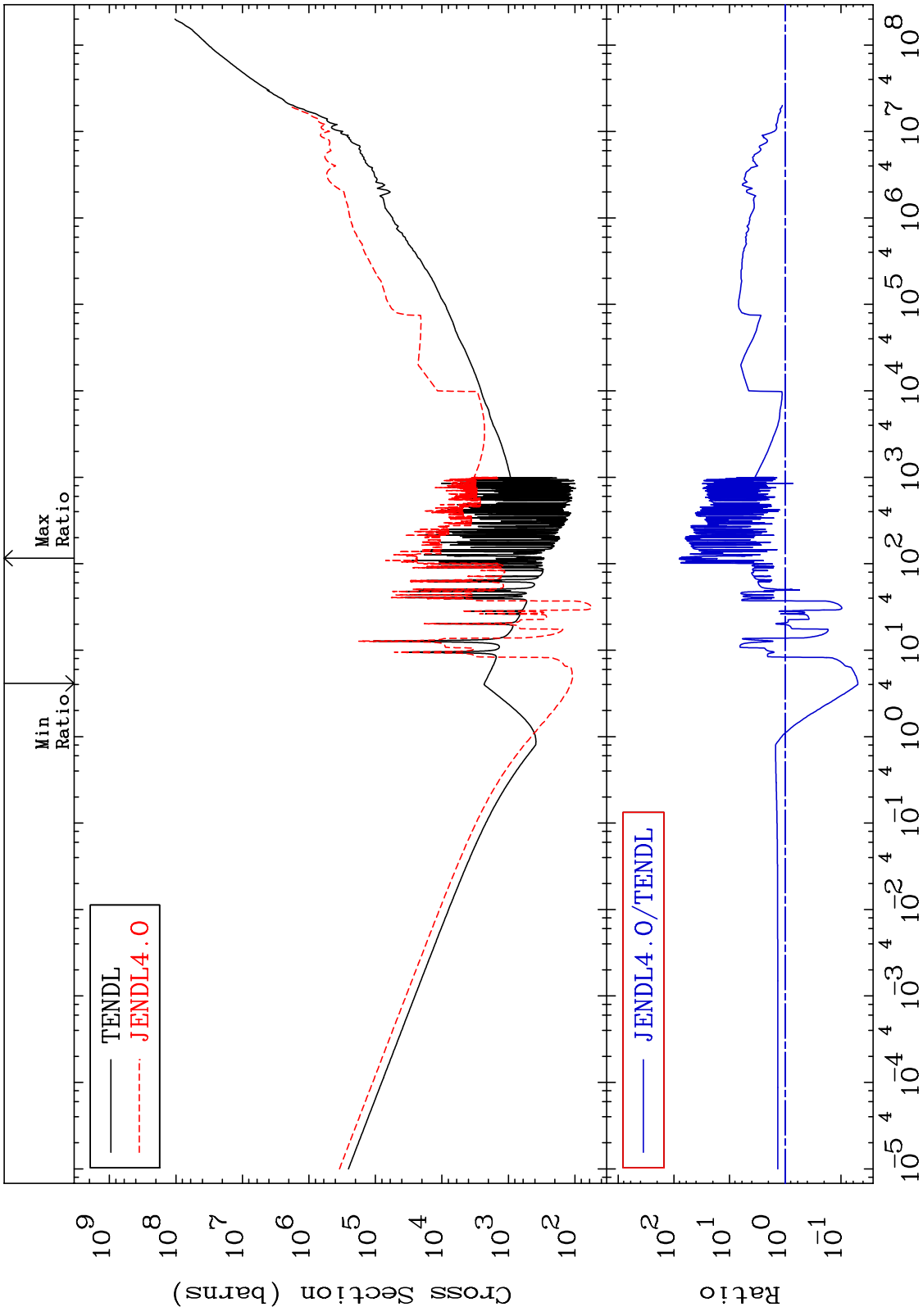


51 76-0s-187 Incident Energy (eV)

MAT 7634 He-4 Production Cross Section 76-0s-187 -98.13 To 9635. %



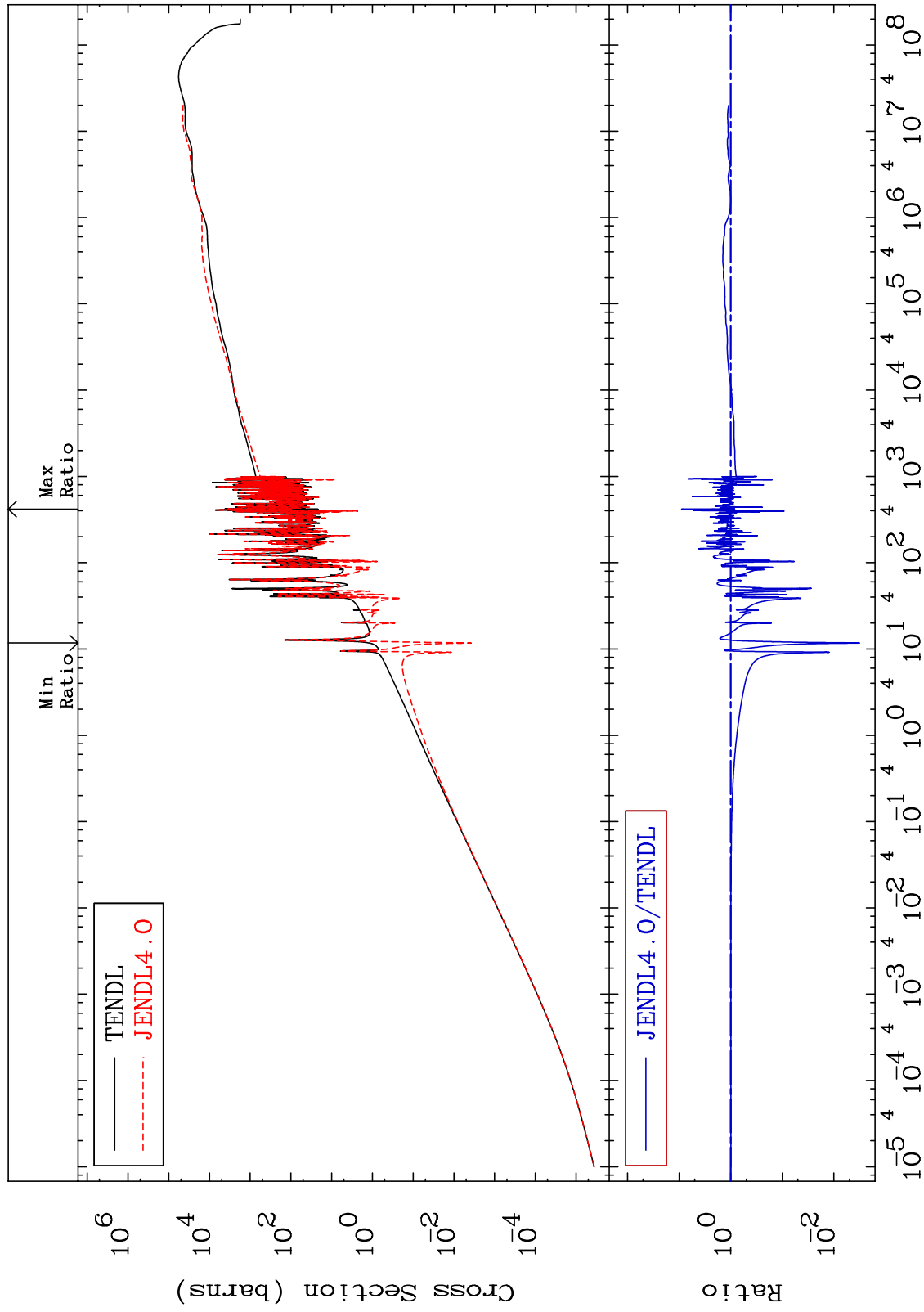
MAT 7634 Kerma total (eV-barns) 76-0s-187  
 Cross Section -95.04 To 7989. %



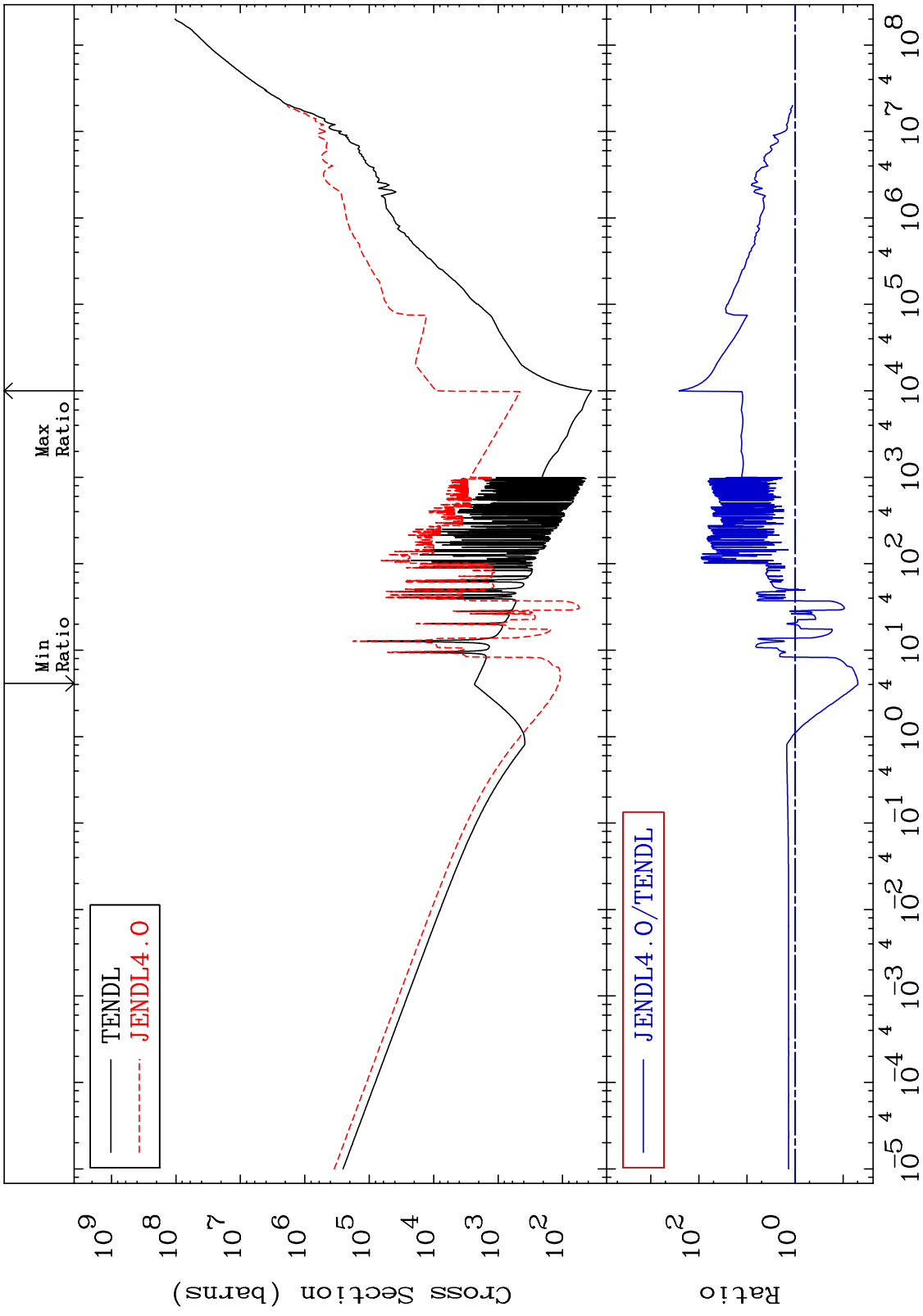
MAT 7634

Kerma elastic  
Cross Section

76-0s-187  
-99.69 To 802.0 %

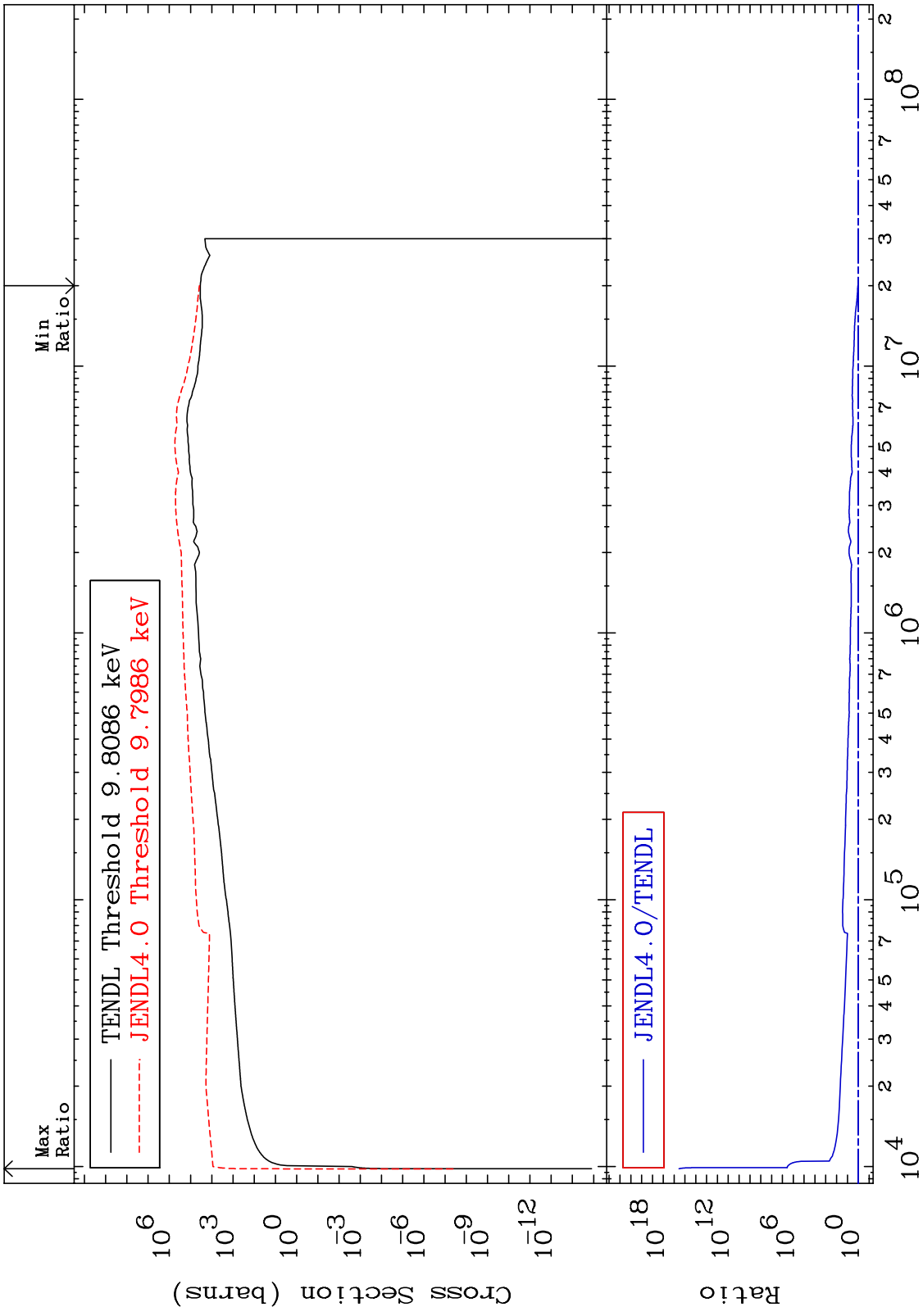


MAT 7634 Kerma non-elastic (all but mt2) 76-0s-187  
 Cross Section -95.04 To 9999. %



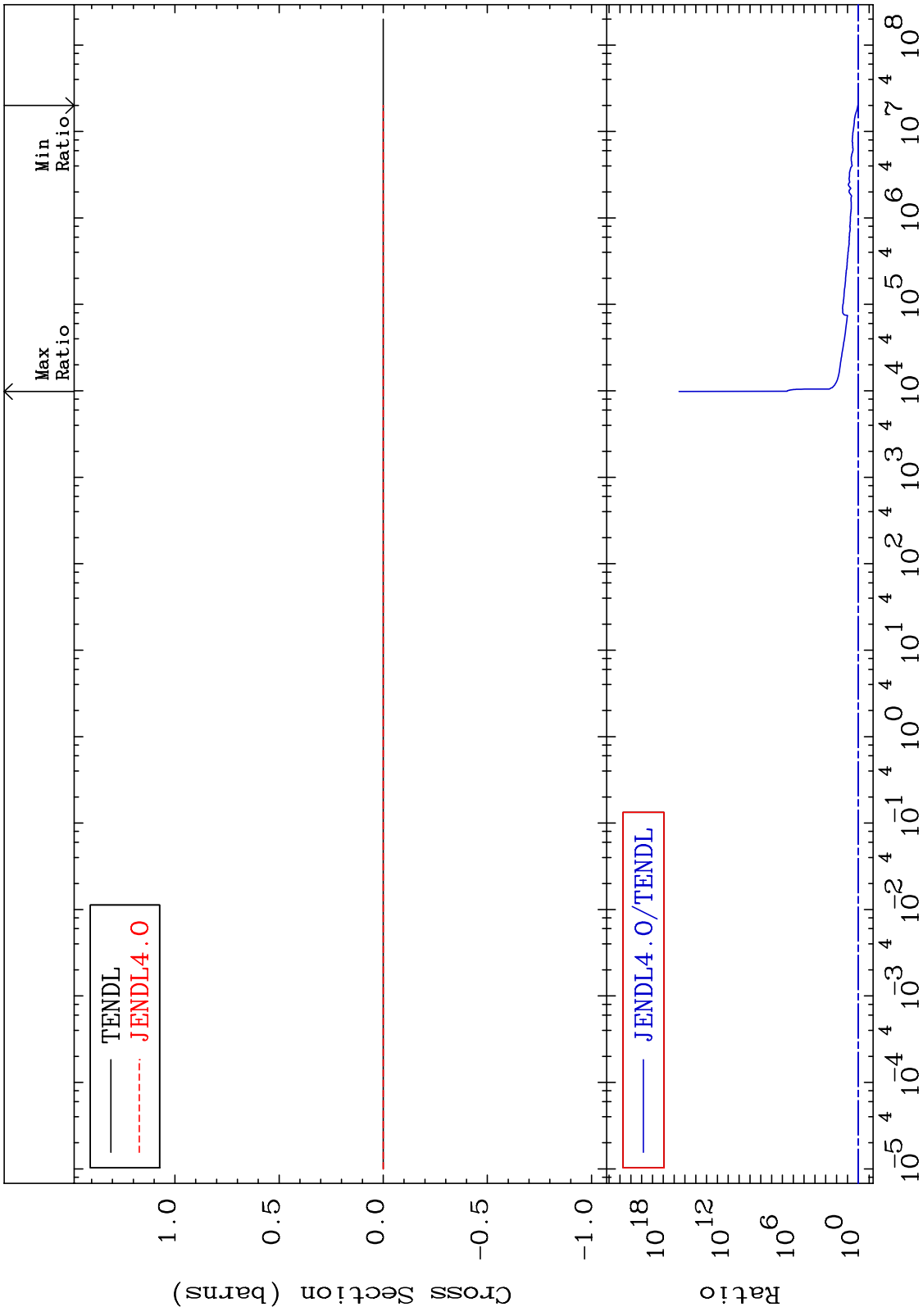


MAT 7634 Kerma inelastic (mt51-91) 76-Os-187  
Cross Section 9.214 To 9999. %

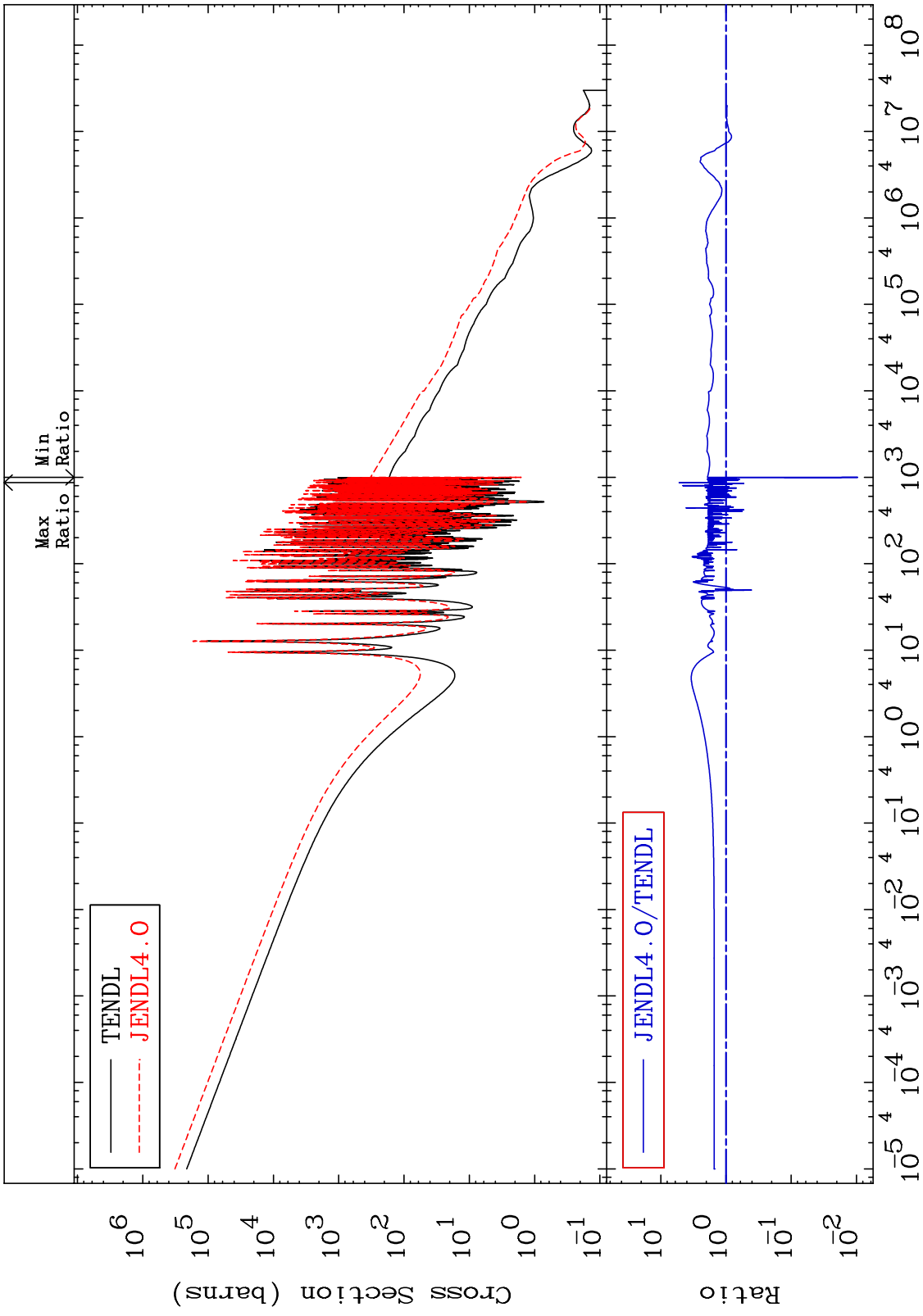


56 76-Os-187

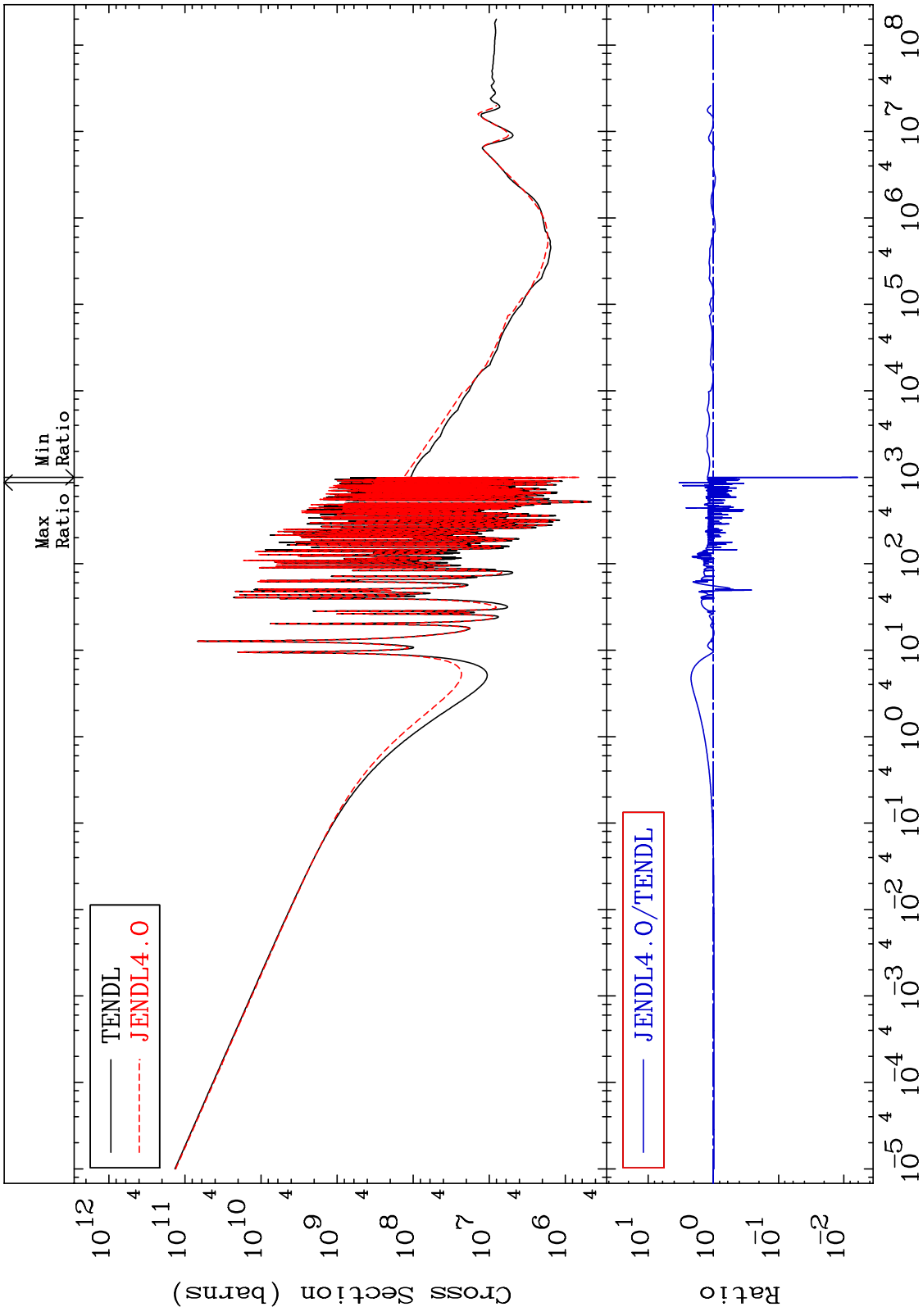
MAT 7634 Kerma fission (mt18 or mt19-20-21-38) 76-0s-187  
 Cross Section 9.214 To 9999. %



MAT 7634 Kerma capture (mt102) 76-0s-187  
 Cross Section -99.05 To 425.3 %

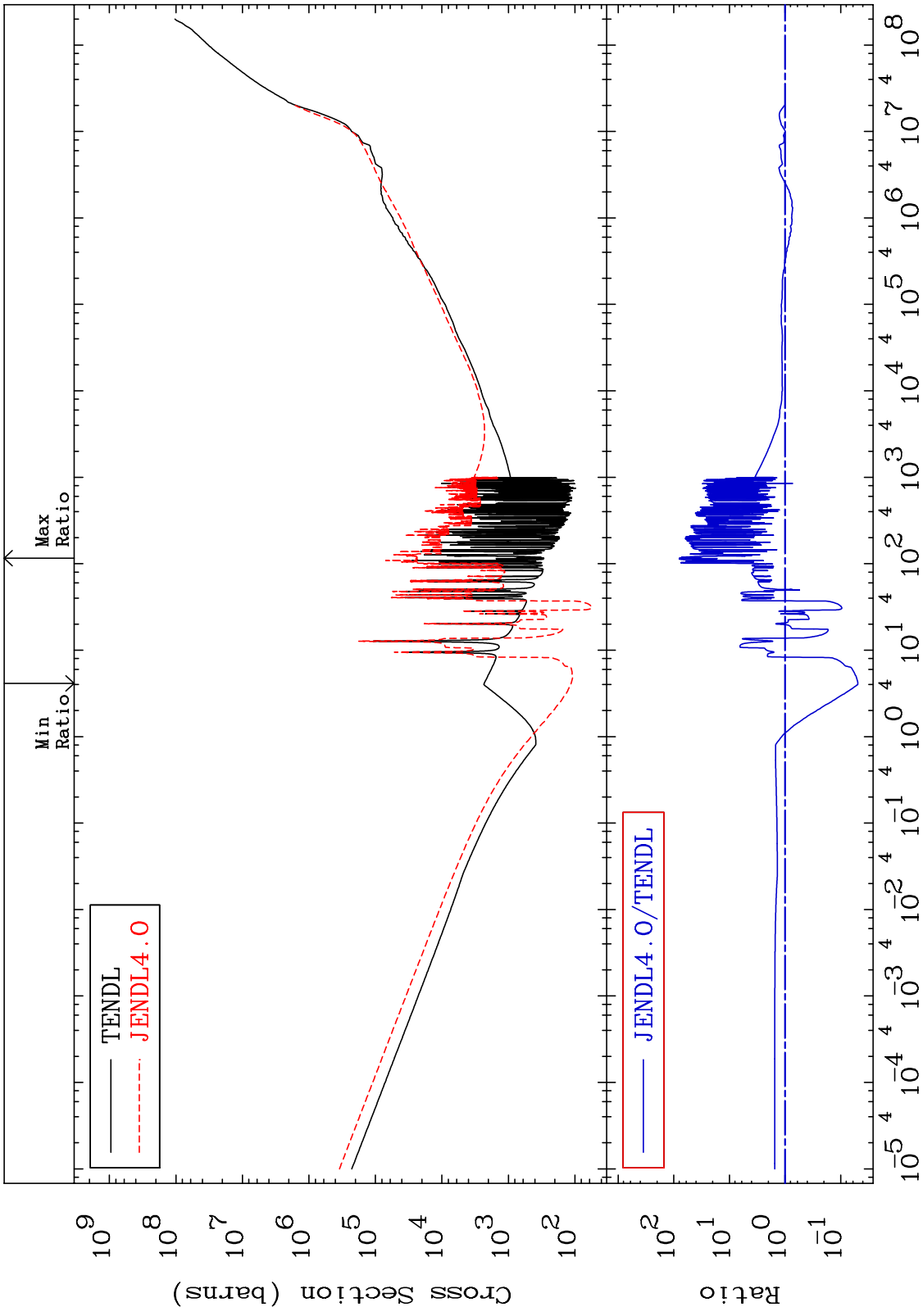


MAT 7634 76-0s-187  
 Total photon (eV-barns) -99.39 To 236.0 %  
 Cross Section

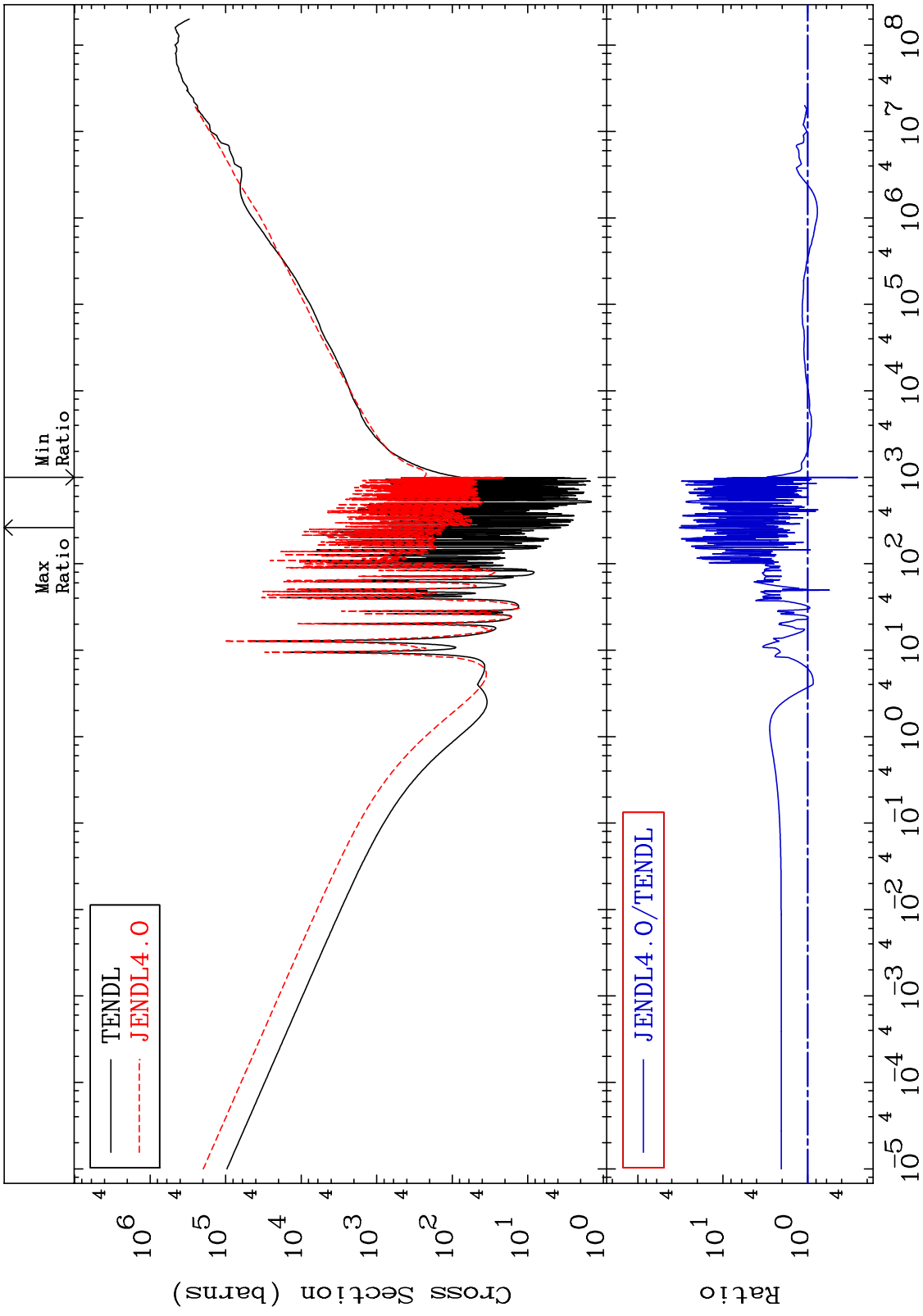


59 76-0s-187

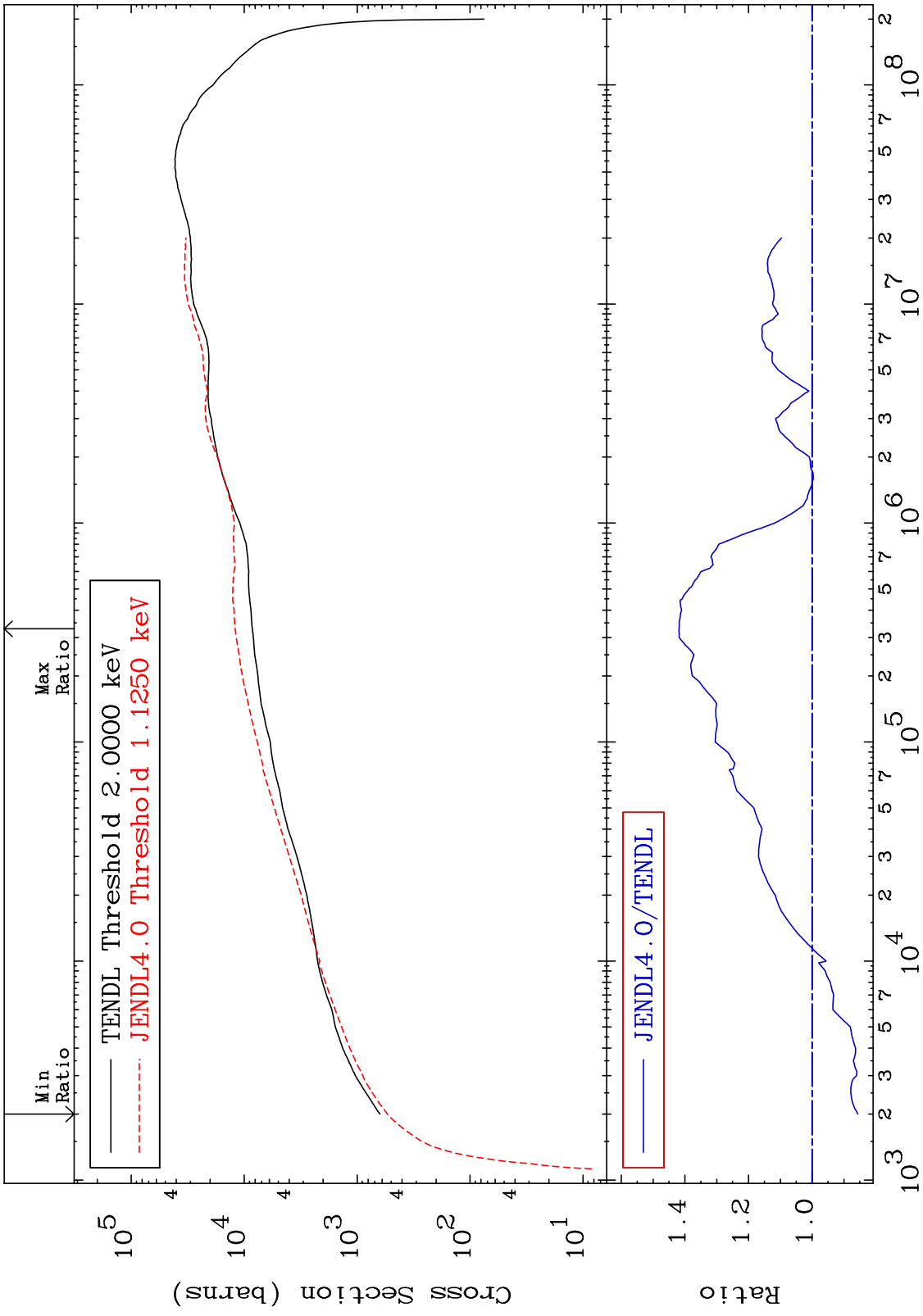
MAT 7634 Total kinematic kerma (high limit) 76-Os-187  
 Cross Section -95.07 To 7945. %



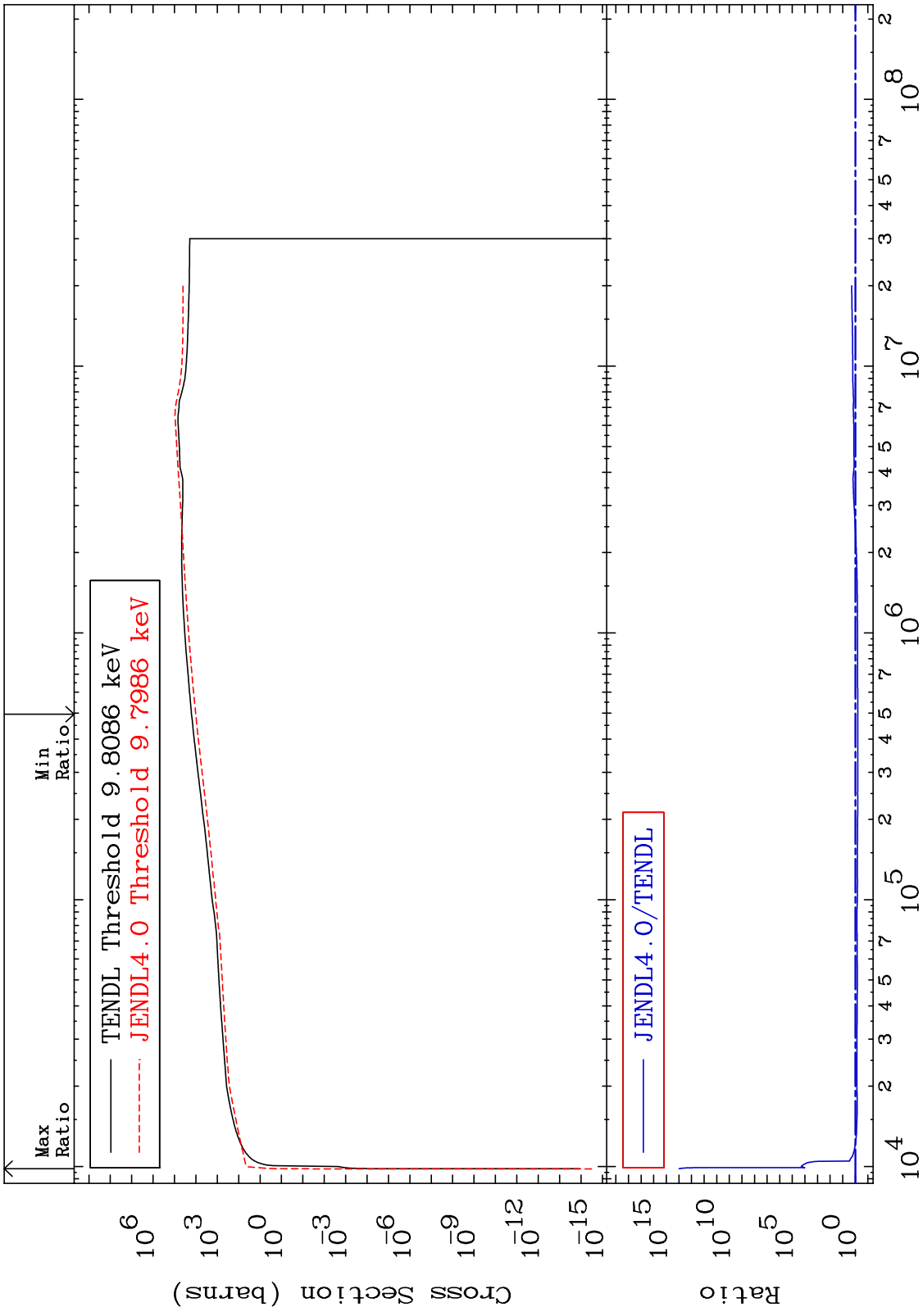
MAT 7634      Dpa total (eV-barns)      76-0s-187  
 Cross Section      -74.26 To 3181. %



MAT 7634 Dpa elastic (mt2) Cross Section 76-Os-187 -14.37 To 41.85 %

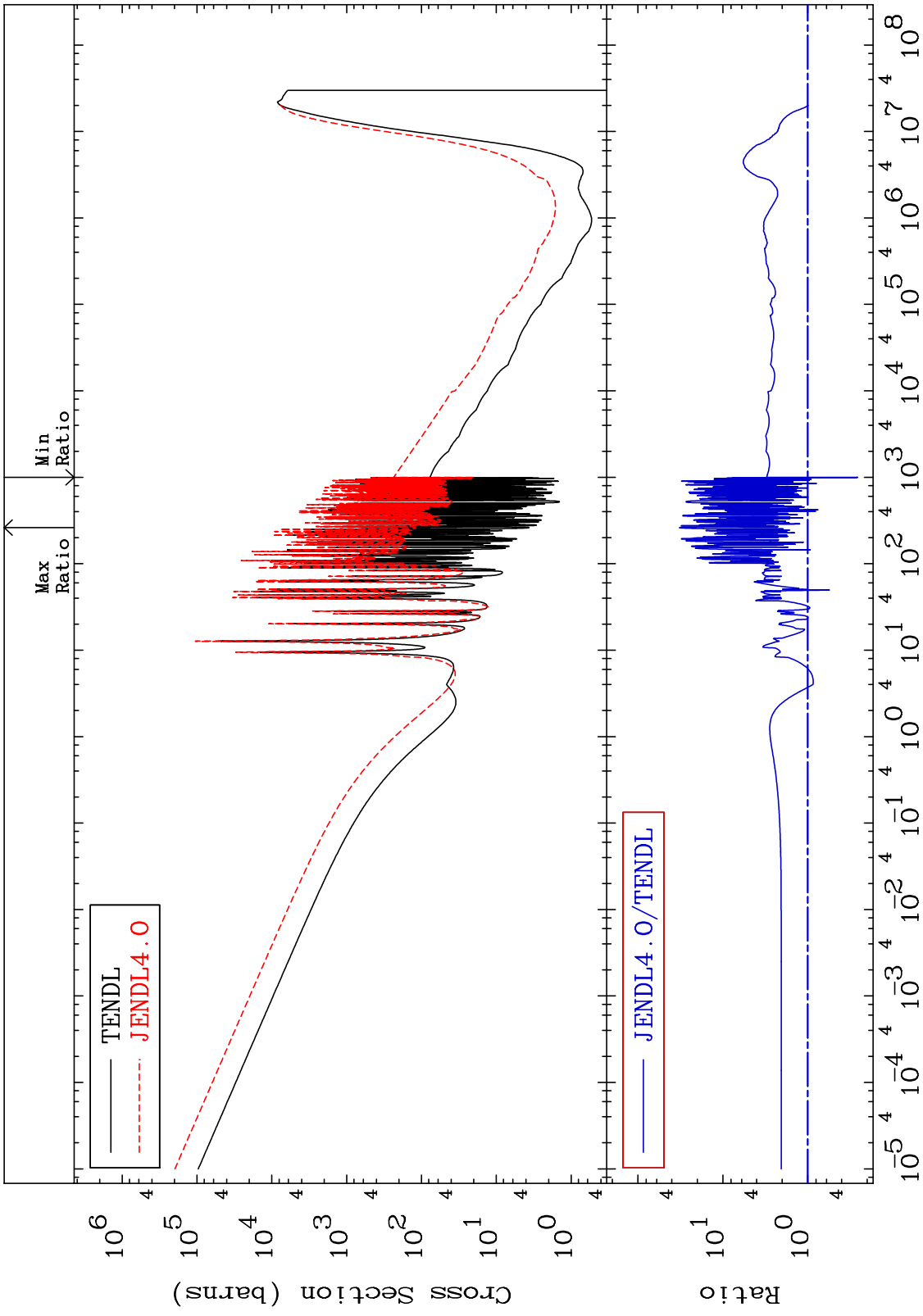


MAT 7634 Dpa inelastic (mt51-91) 76-Os-187  
 Cross Section -36.87 To 9999. %





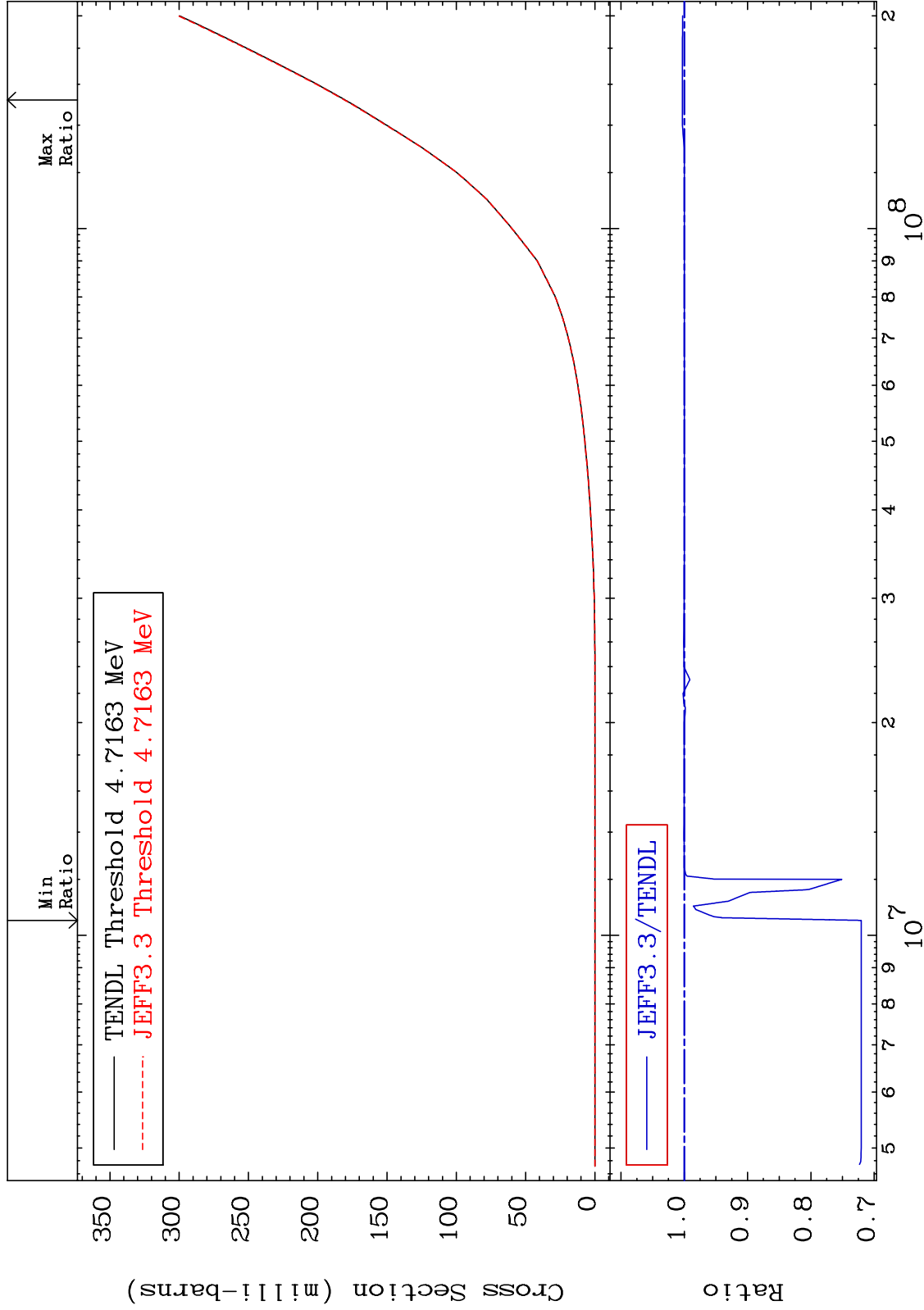
MAT 7634      Dpa disappearance (mt102 -120)      76-0s-187  
 Cross Section      -74.26 To 3181. %



MAT 7634

He-3 Production  
Cross Section

76-0s-187  
-27.97 To 0.292 %



65

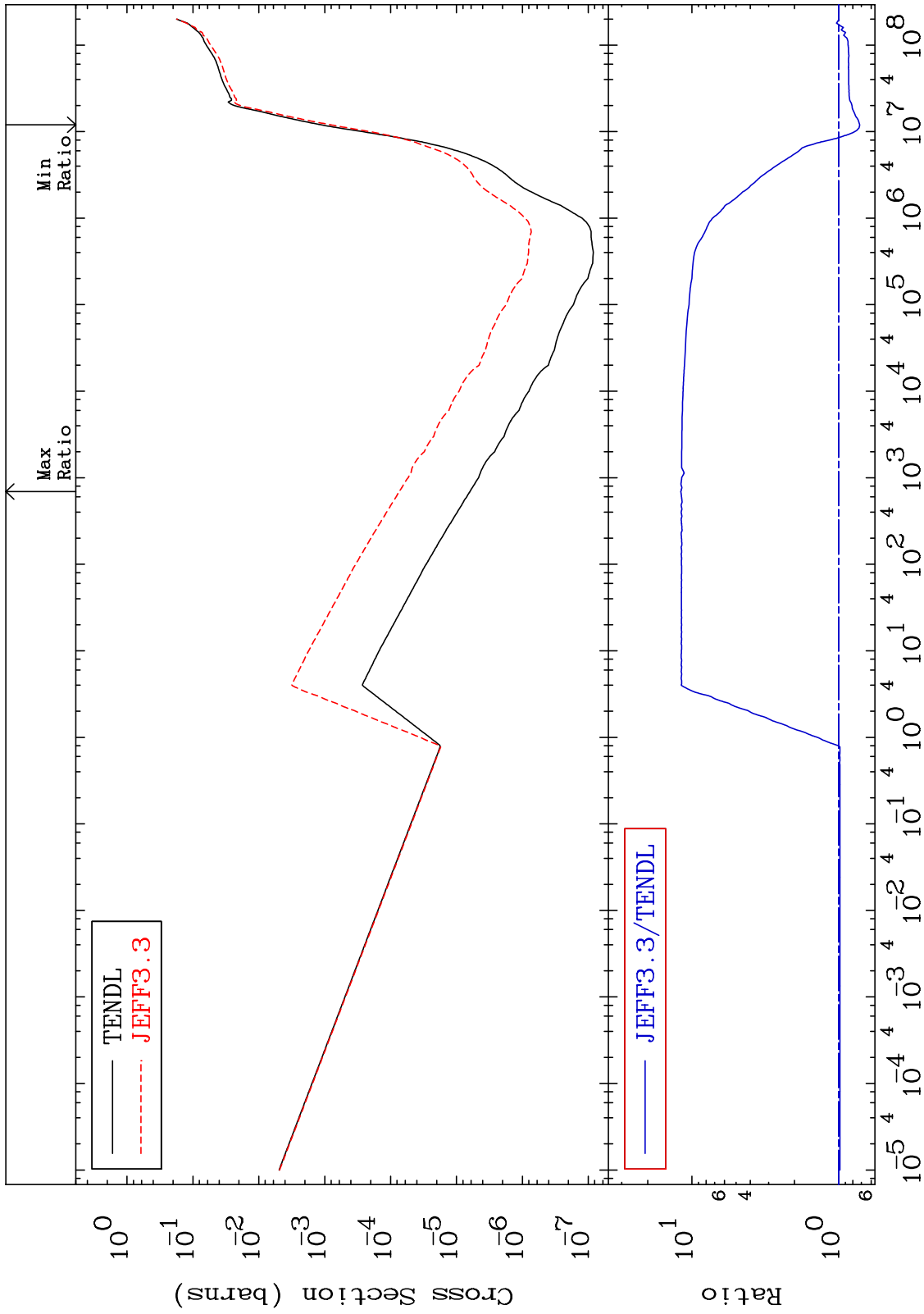
Incident Energy (eV)

76-0s-187

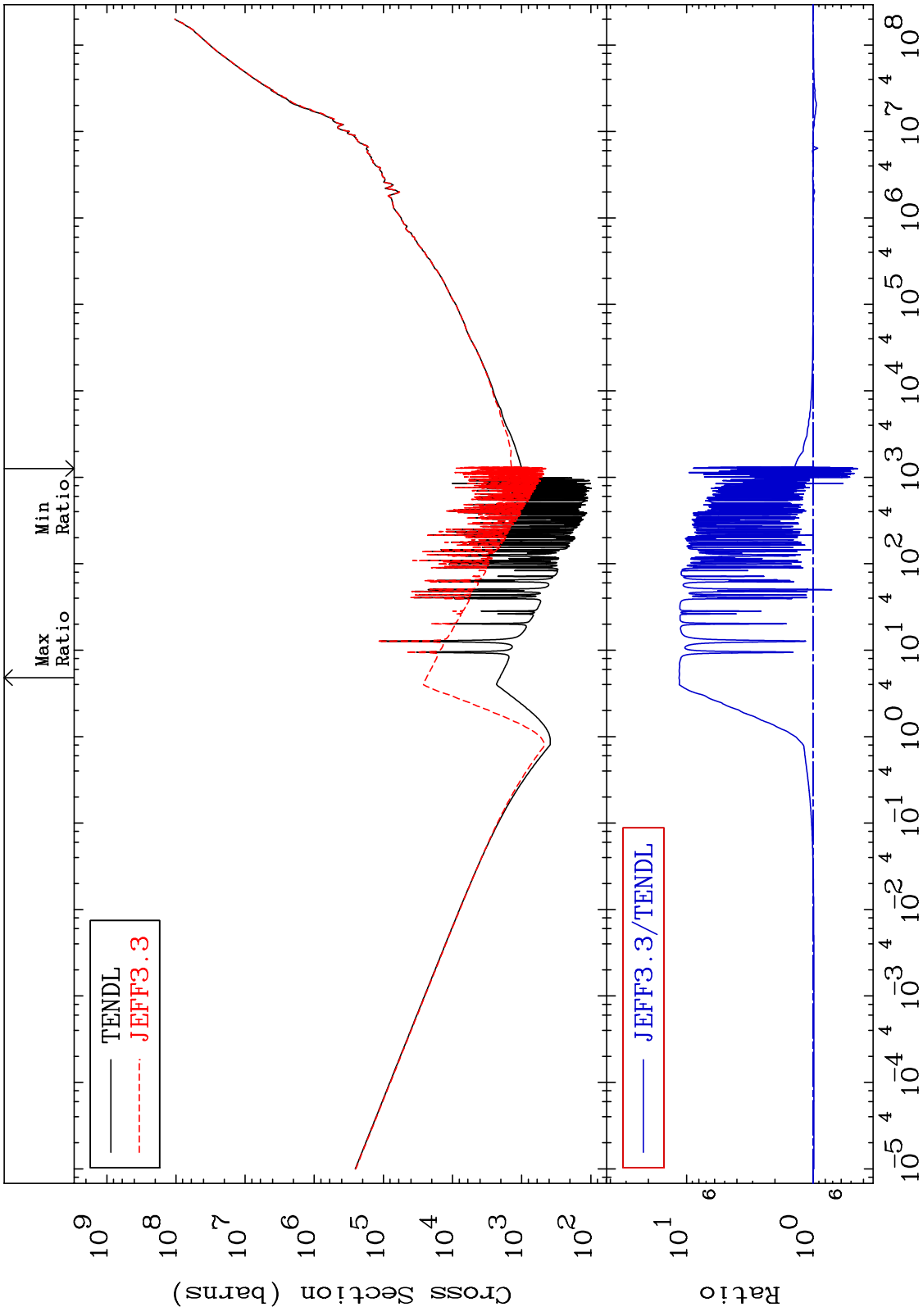
MAT 7634

He-4 Production  
Cross Section

76-Os-187  
-28.10 To 1089. %



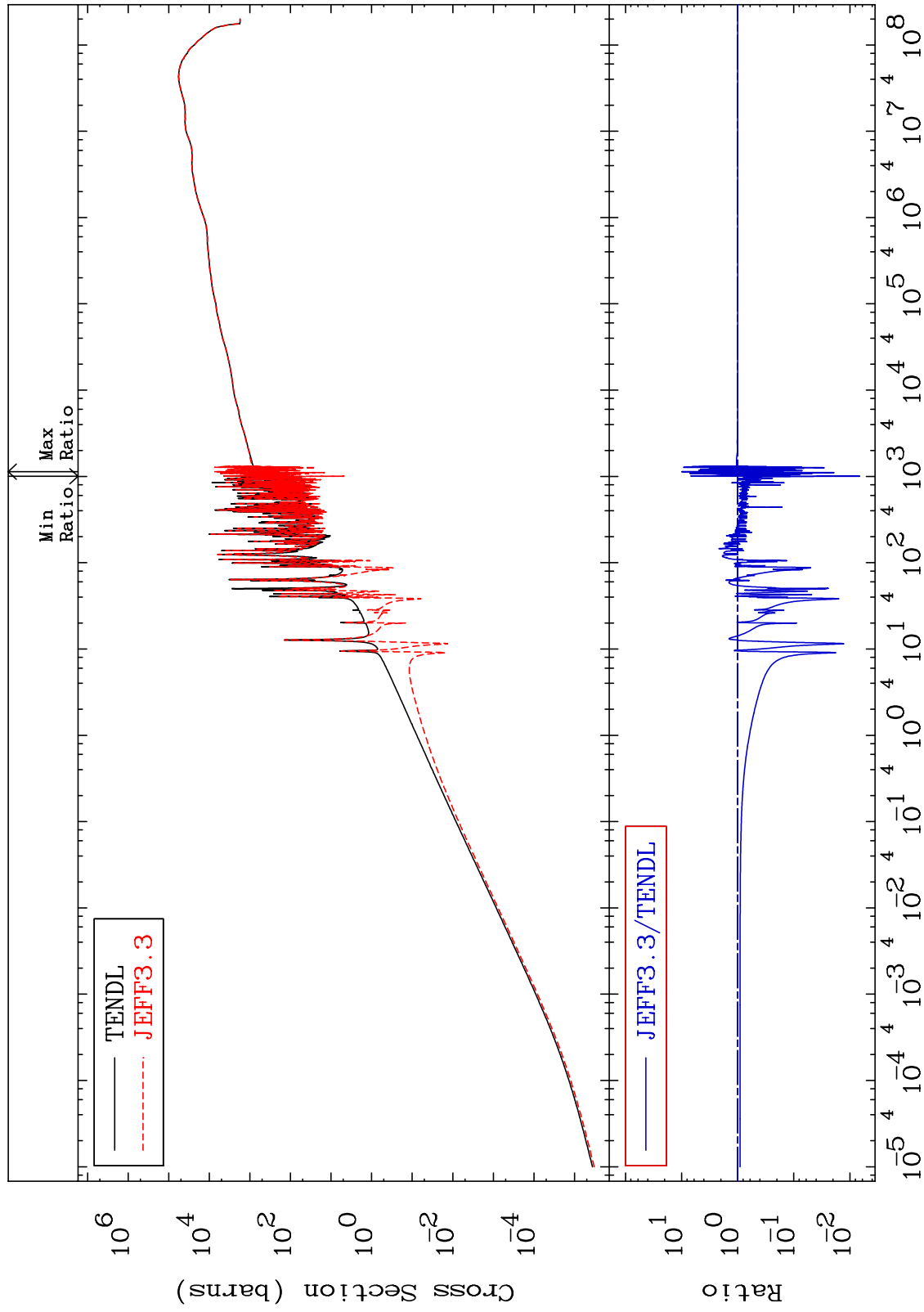
MAT 7634 Kerma total (eV-barns) 76-0s-187  
 Cross Section -55.77 To 1046. %



MAT 7634

Kerma elastic  
Cross Section

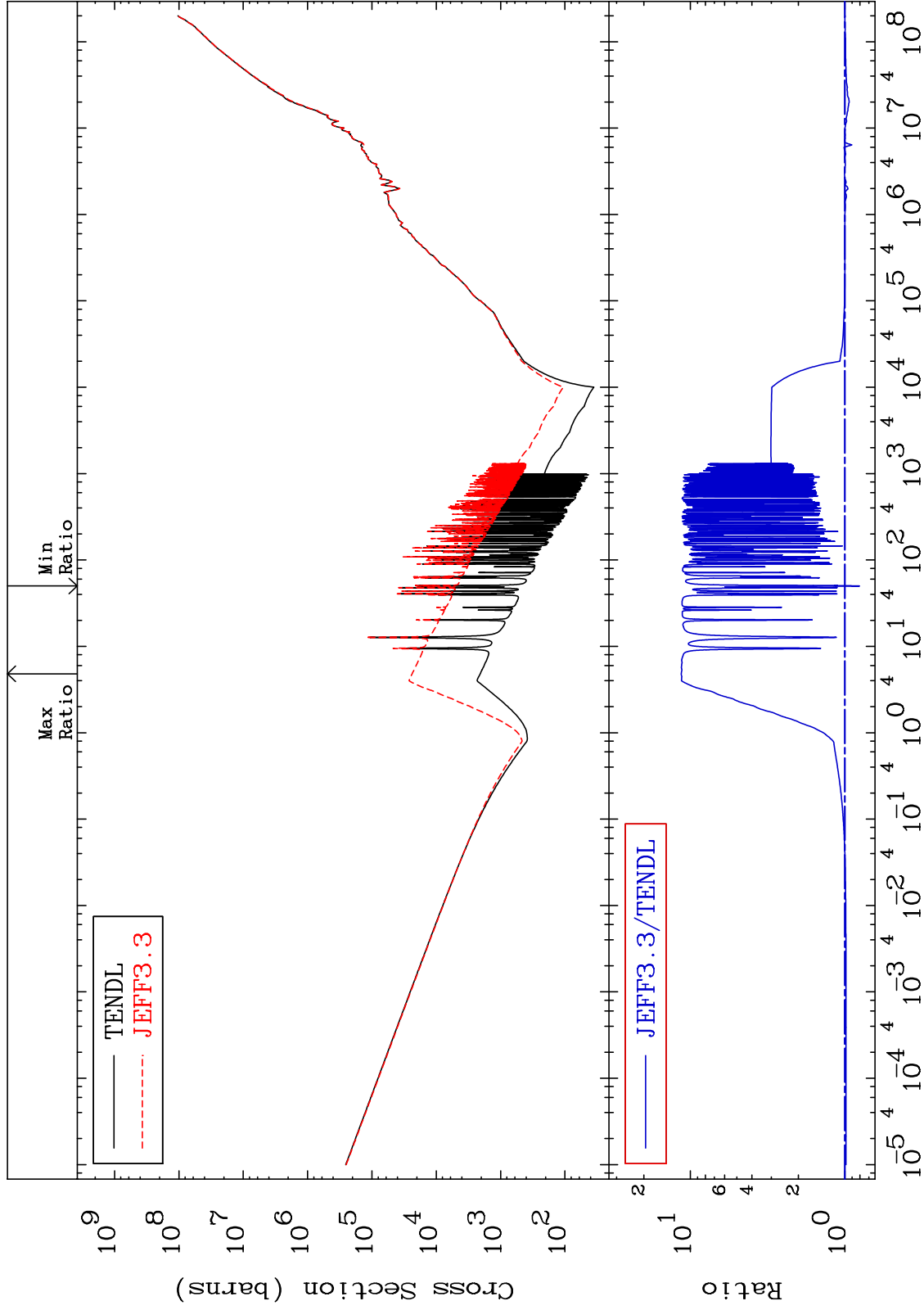
76-Os-187  
-99.33 To 904.4 %



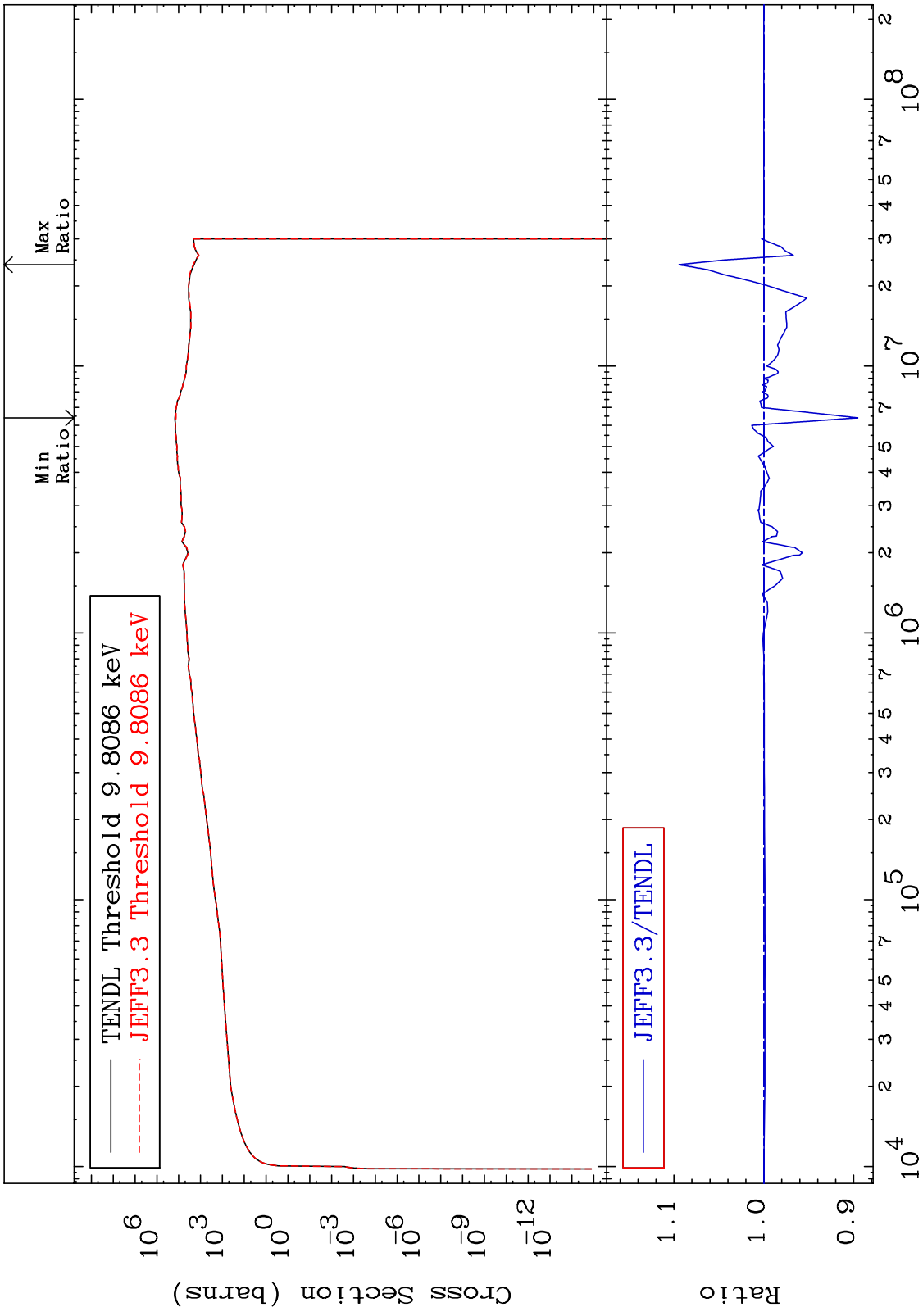
MAT 7634

Kerma non-elastic (all but mt2)  
Cross Section

76-0s-187  
-19.78 To 1046. %



MAT 7634 Kerma inelastic (mt51-91) 76-Os-187  
Cross Section -10.46 To 9.436 %

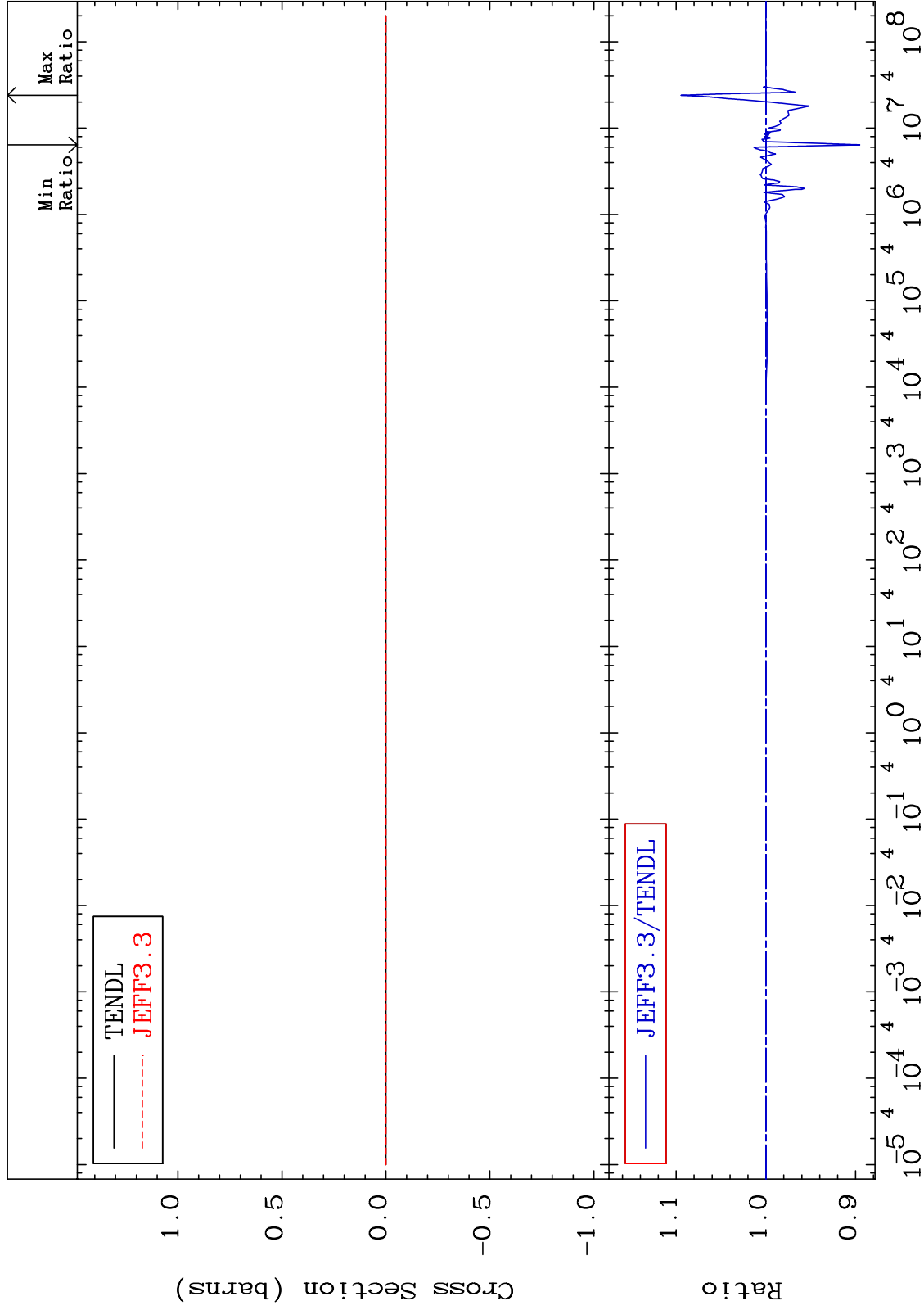


70 Incident Energy (eV) 76-Os-187

MAT 7634

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

76-0s-187  
-10.46 To 9.436 %



71

Incident Energy (eV)

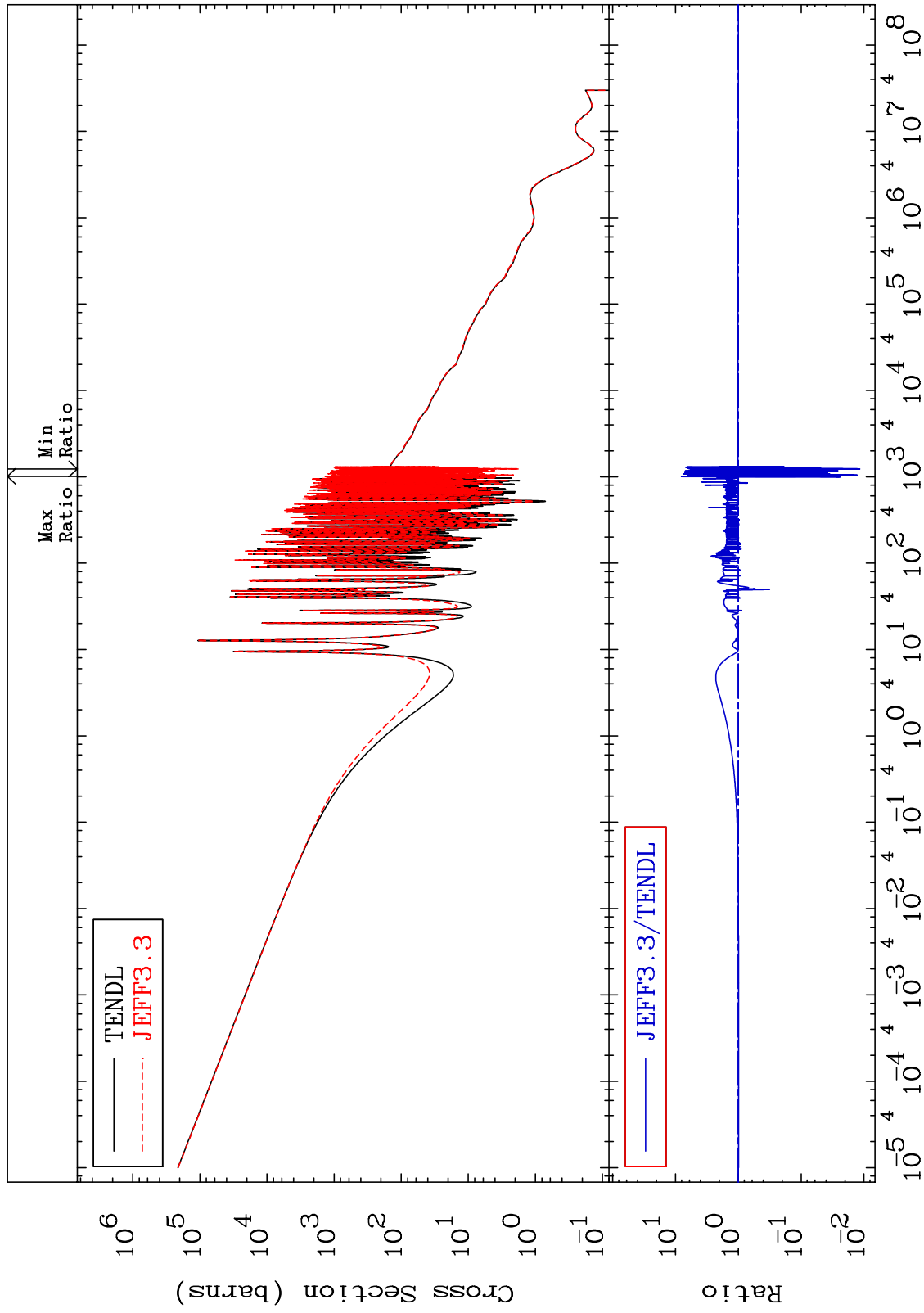
76-0s-187



MAT 7634

Kerma capture (mt102)  
Cross Section

76-0s-187  
-98.83 To 708.2 %

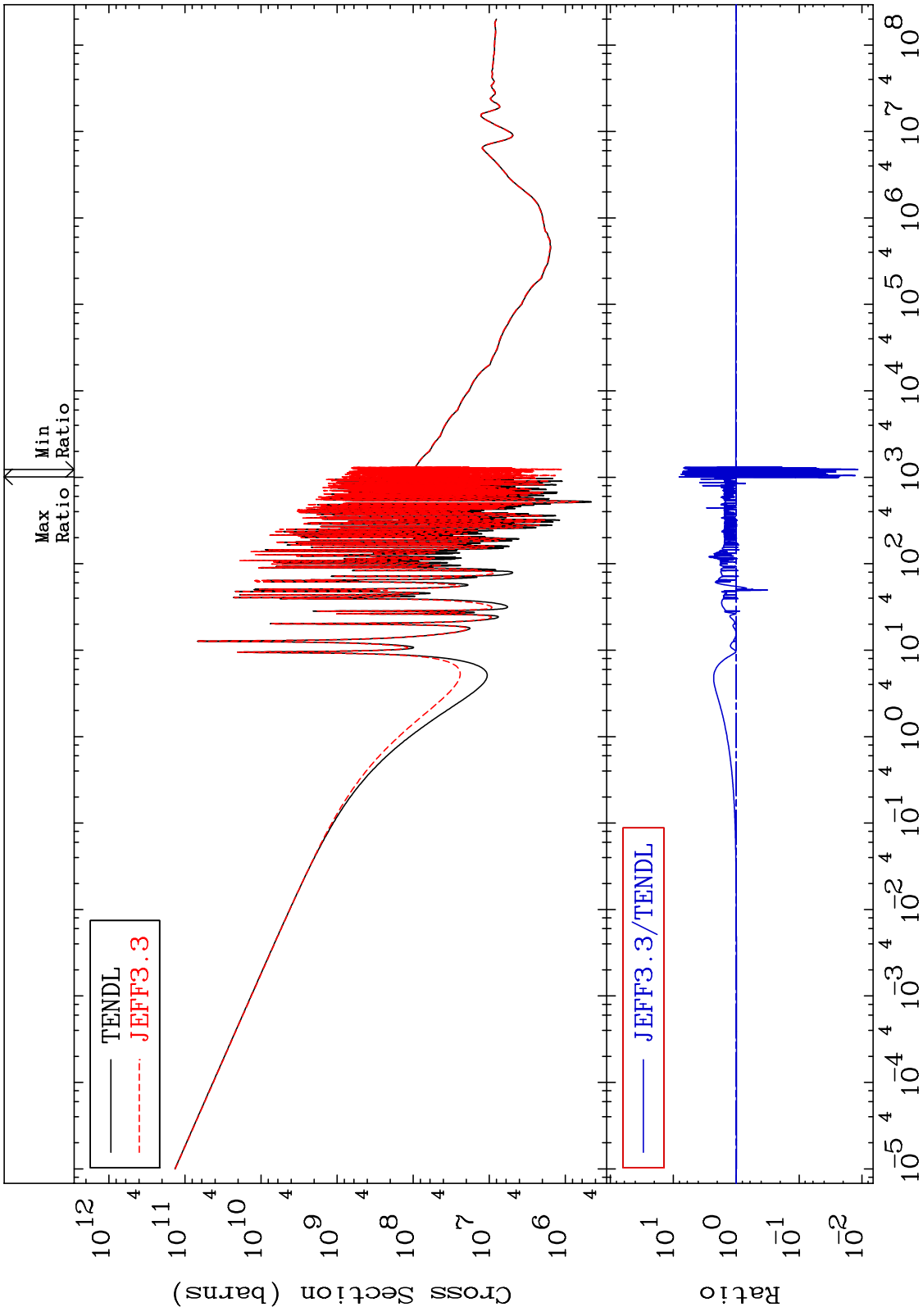


72

Incident Energy (eV)

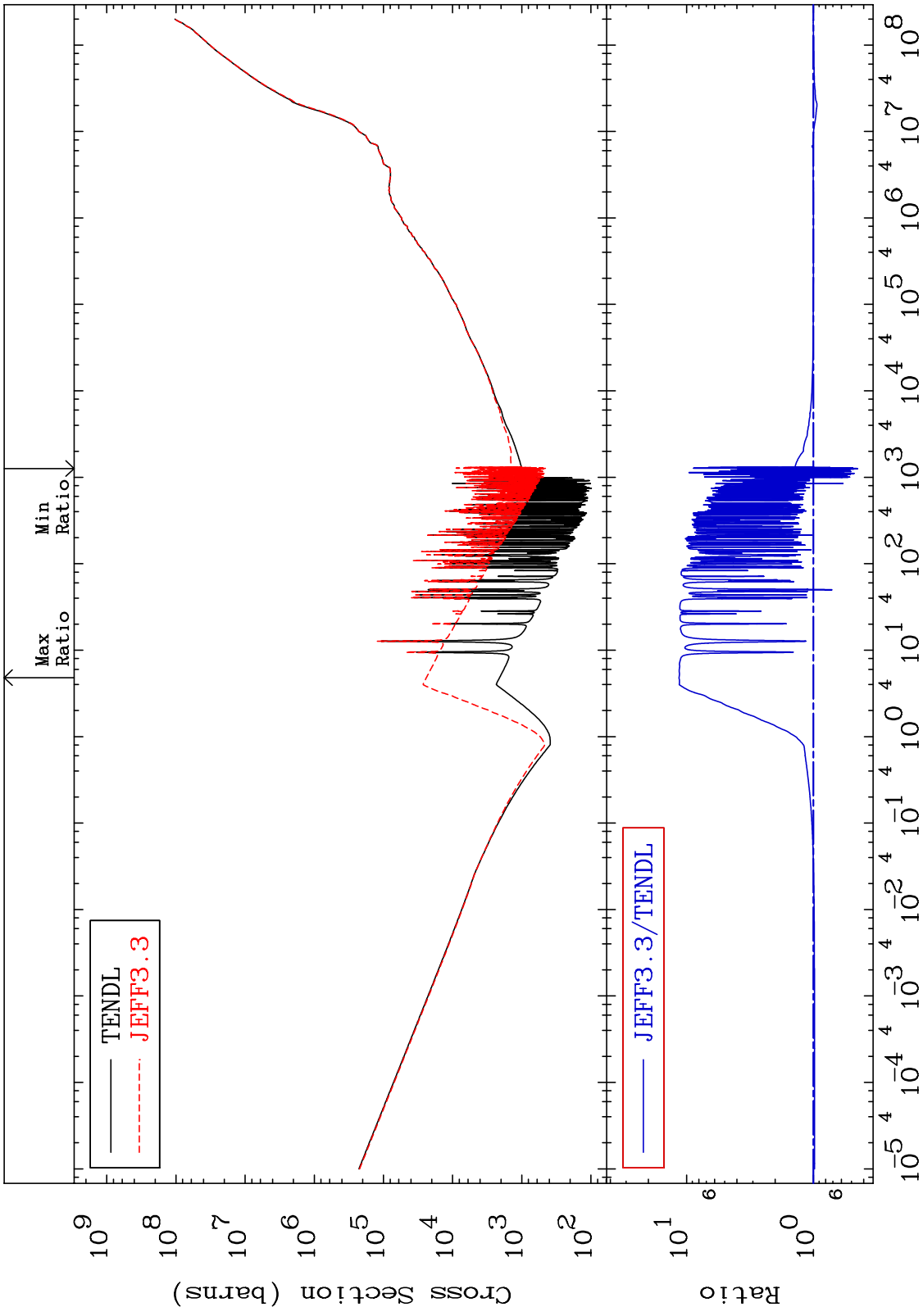
76-0s-187

MAT 7634  
Total photon (eV-barns)  
Cross Section  
76-0s-187  
-98.83 To 708.2 %

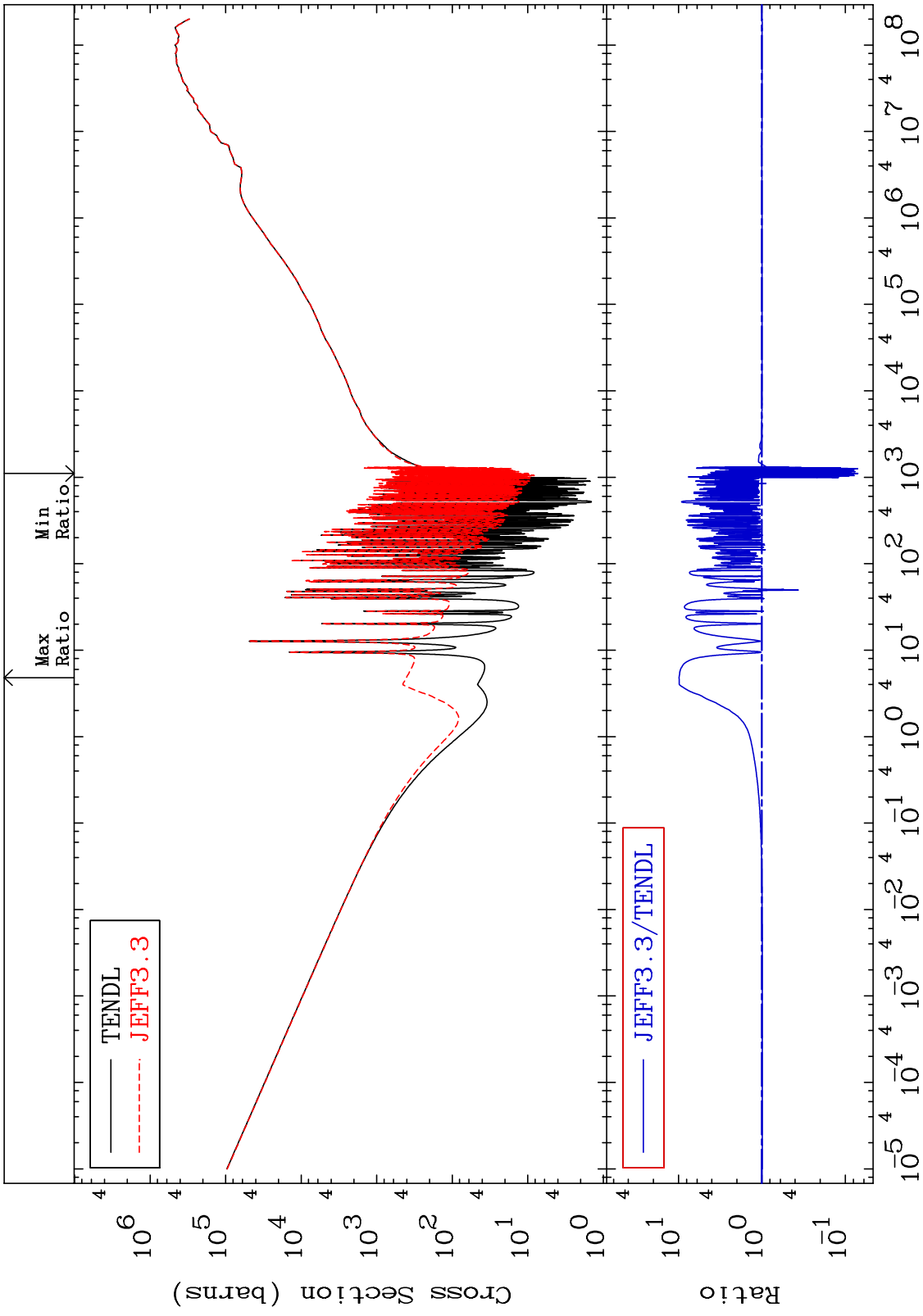


73  
Incident Energy (eV)  
76-0s-187

MAT 7634 Total kinematic kerma (high limit) Cross Section 76-0s-187  
 -55.47 To 1047. %



MAT 7634      Dpa total (eV-barns)      76-0s-187  
 Cross Section      -92.92 To 885.8 %

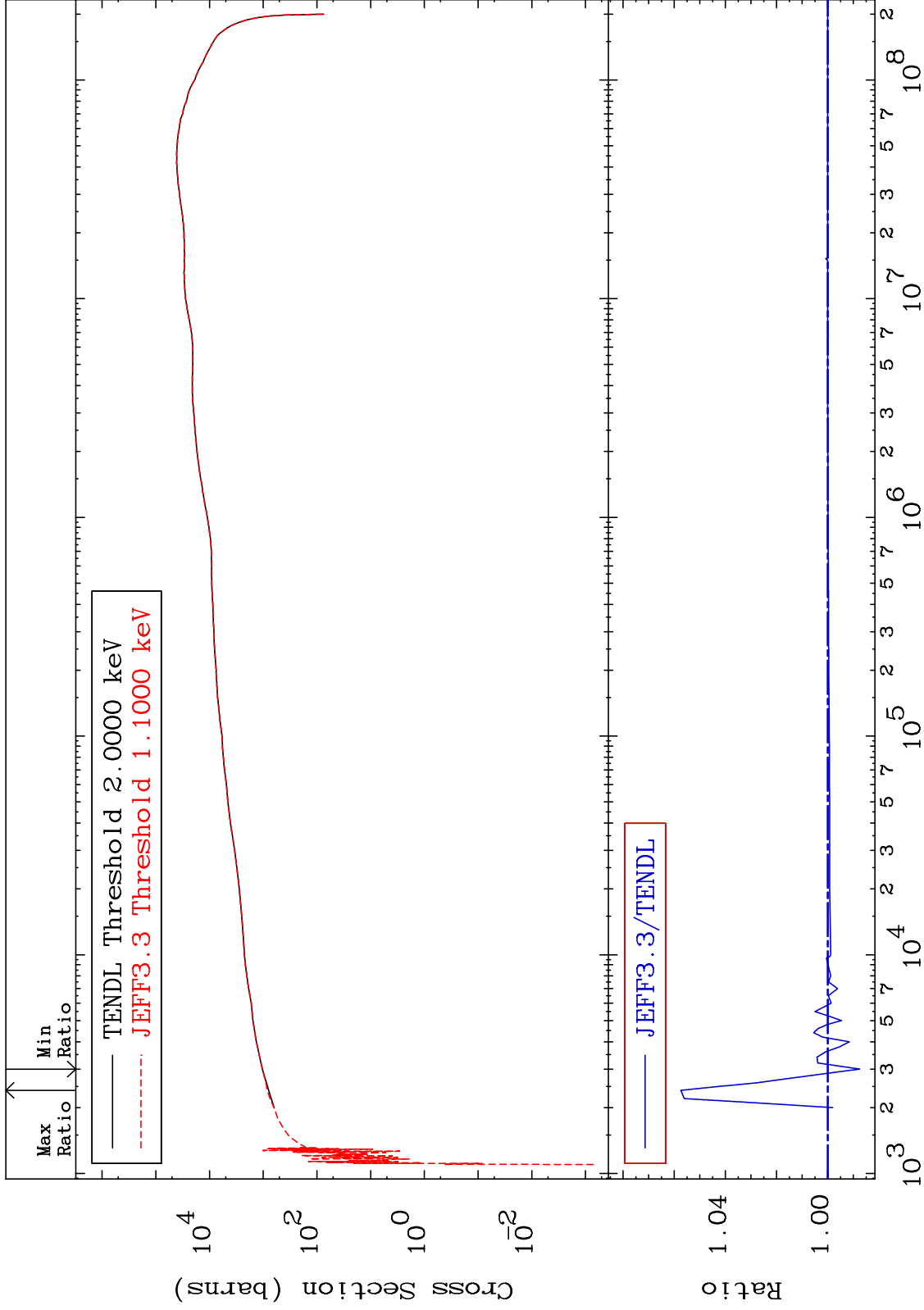


75      Incident Energy (eV)      76-0s-187

MAT 7634

Dpa elastic (mt2)  
Cross Section

76-0s-187  
-1.247 To 5.744 %

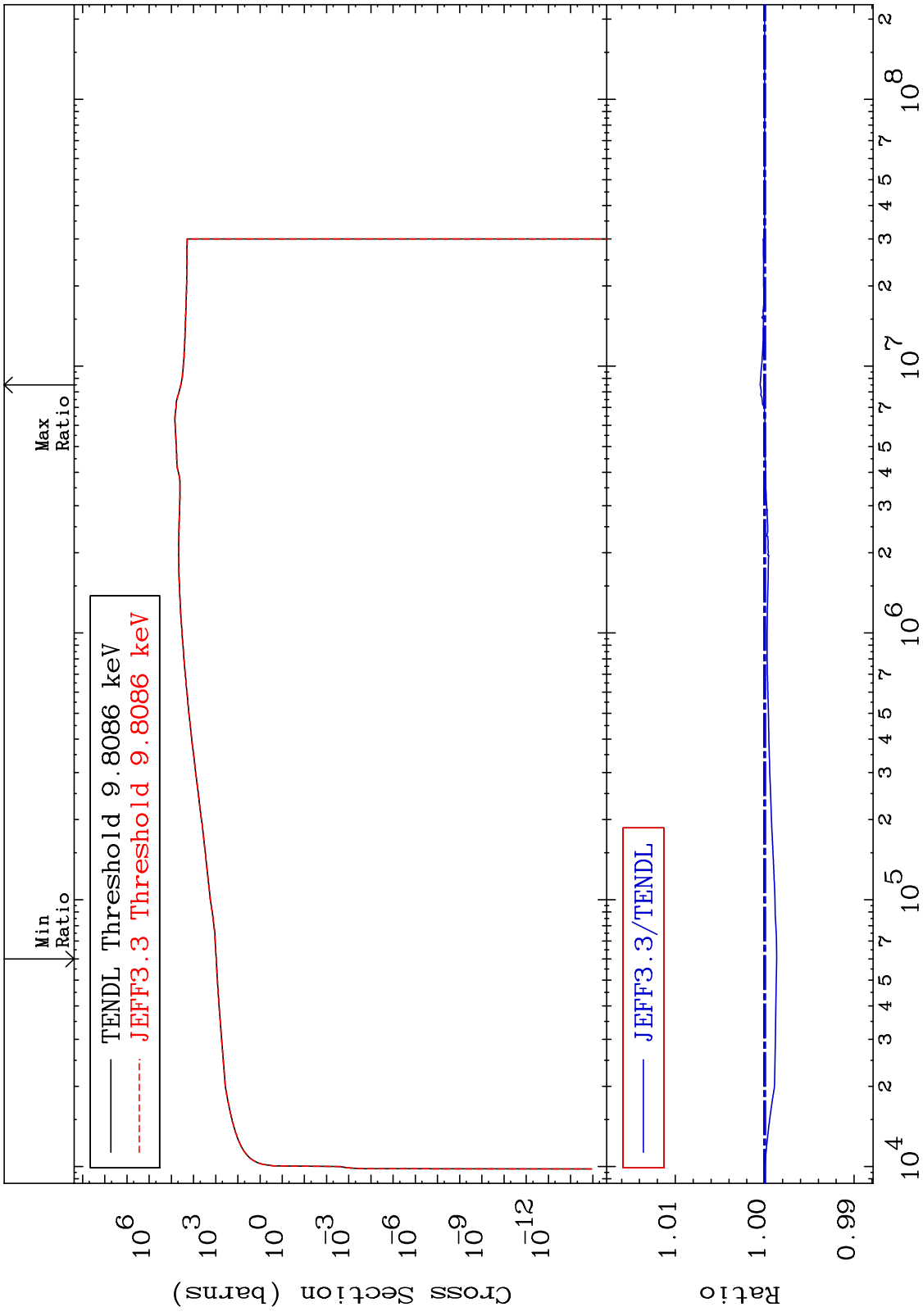


76

Incident Energy (eV)

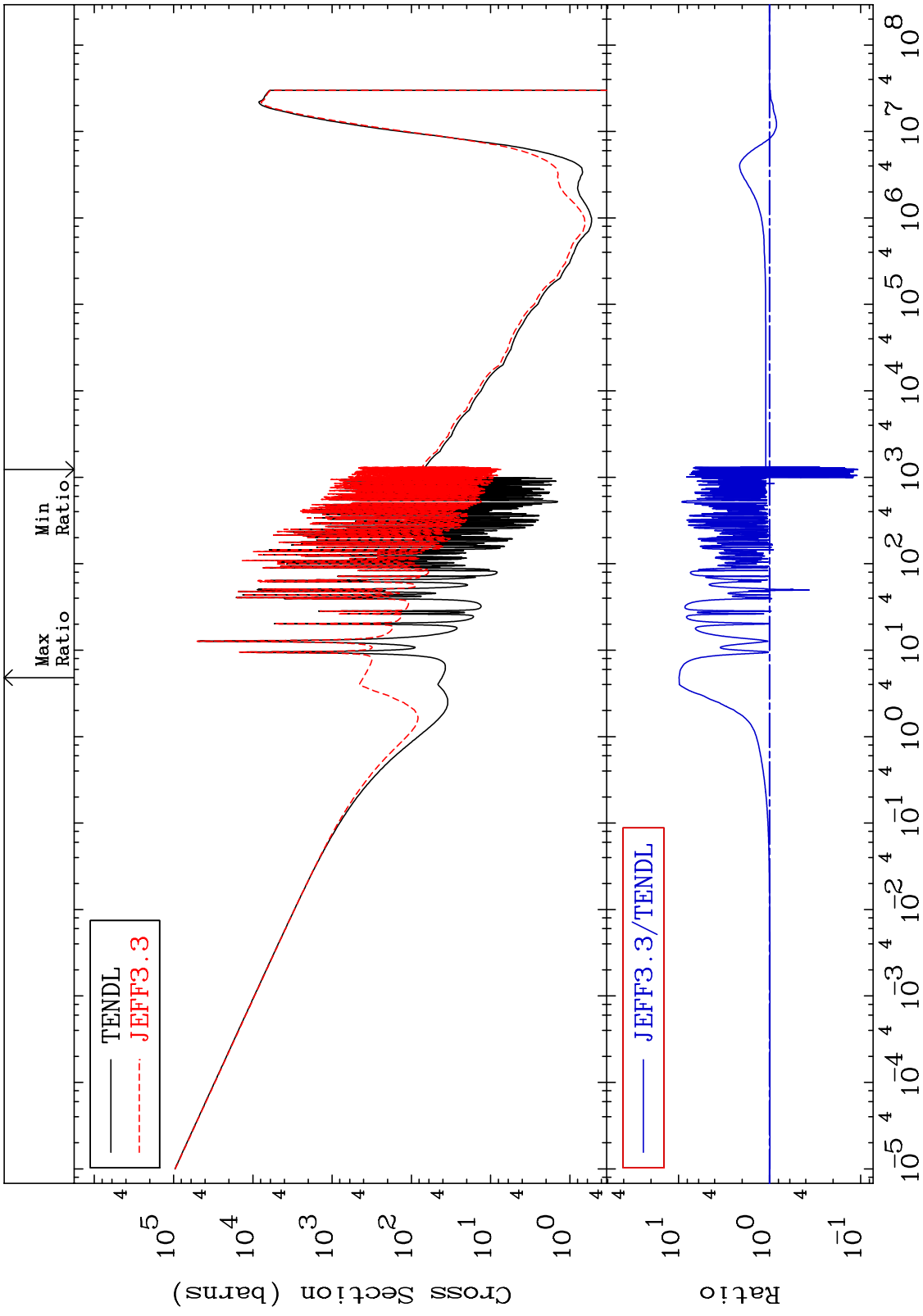
76-0s-187

MAT 7634 Dpa inelastic (mt51-91) 76-Os-187  
 Cross Section -0.134 To 0.051 %



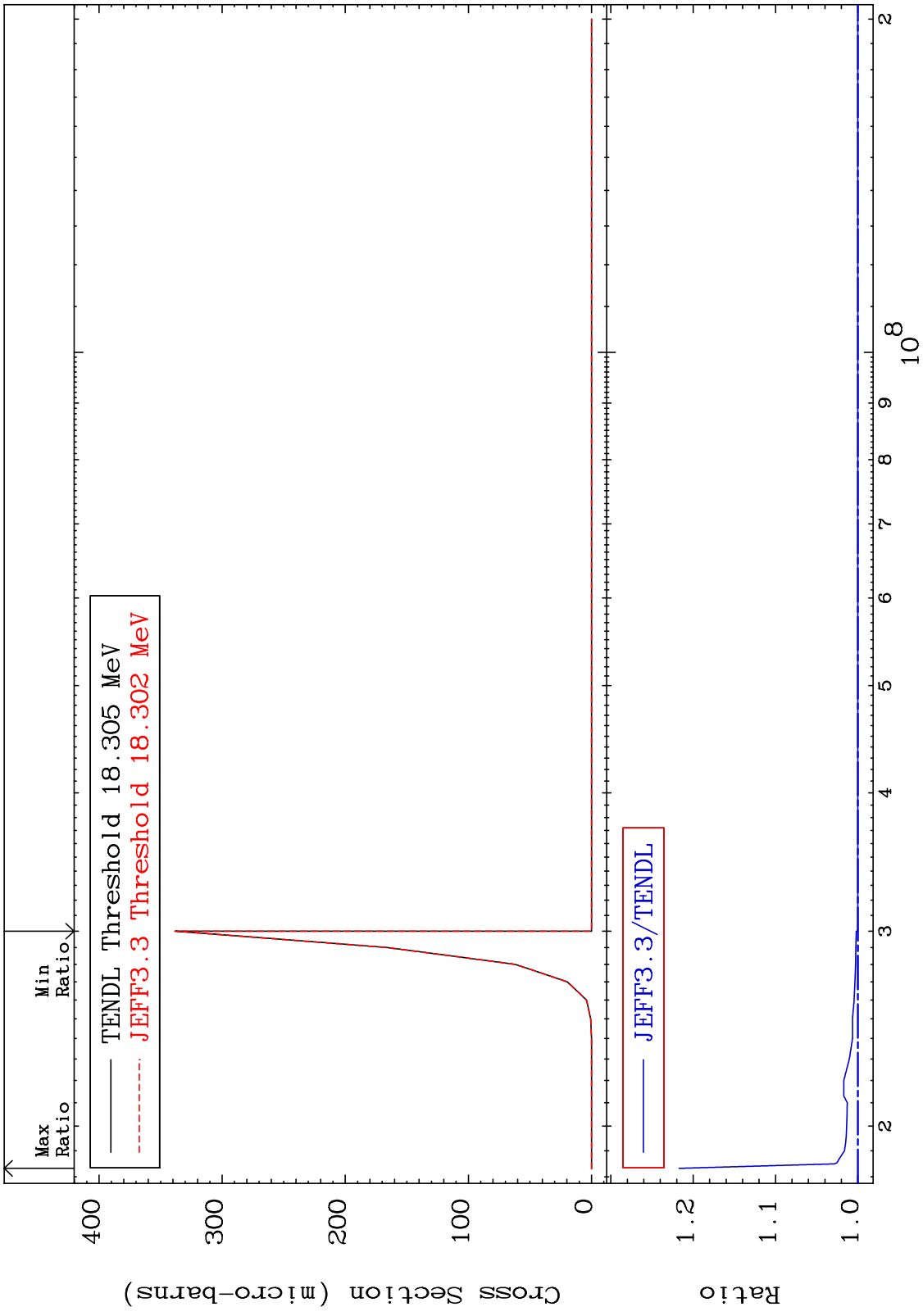
77 76-Os-187

MAT 7634      Dpa disappearance (mt102 -120)      76-0s-187  
 Cross Section      -89.28 To 885.8 %



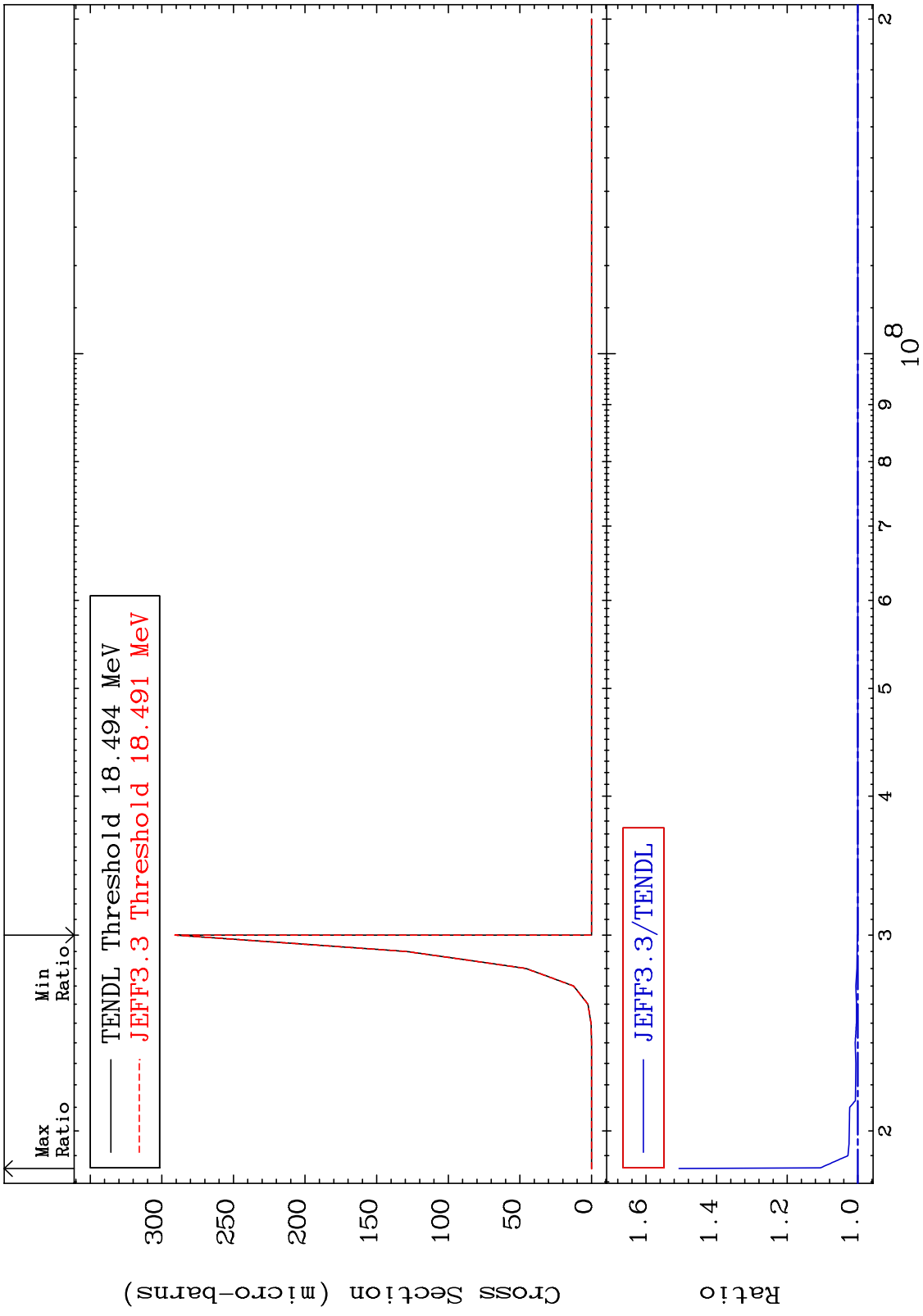
78      Incident Energy (eV)      76-0s-187

MAT 7634 (n,2n) d:75-Re-184g 76-Os-187  
 Radionuclide Production Cross Section 0.000 To 21.71 %

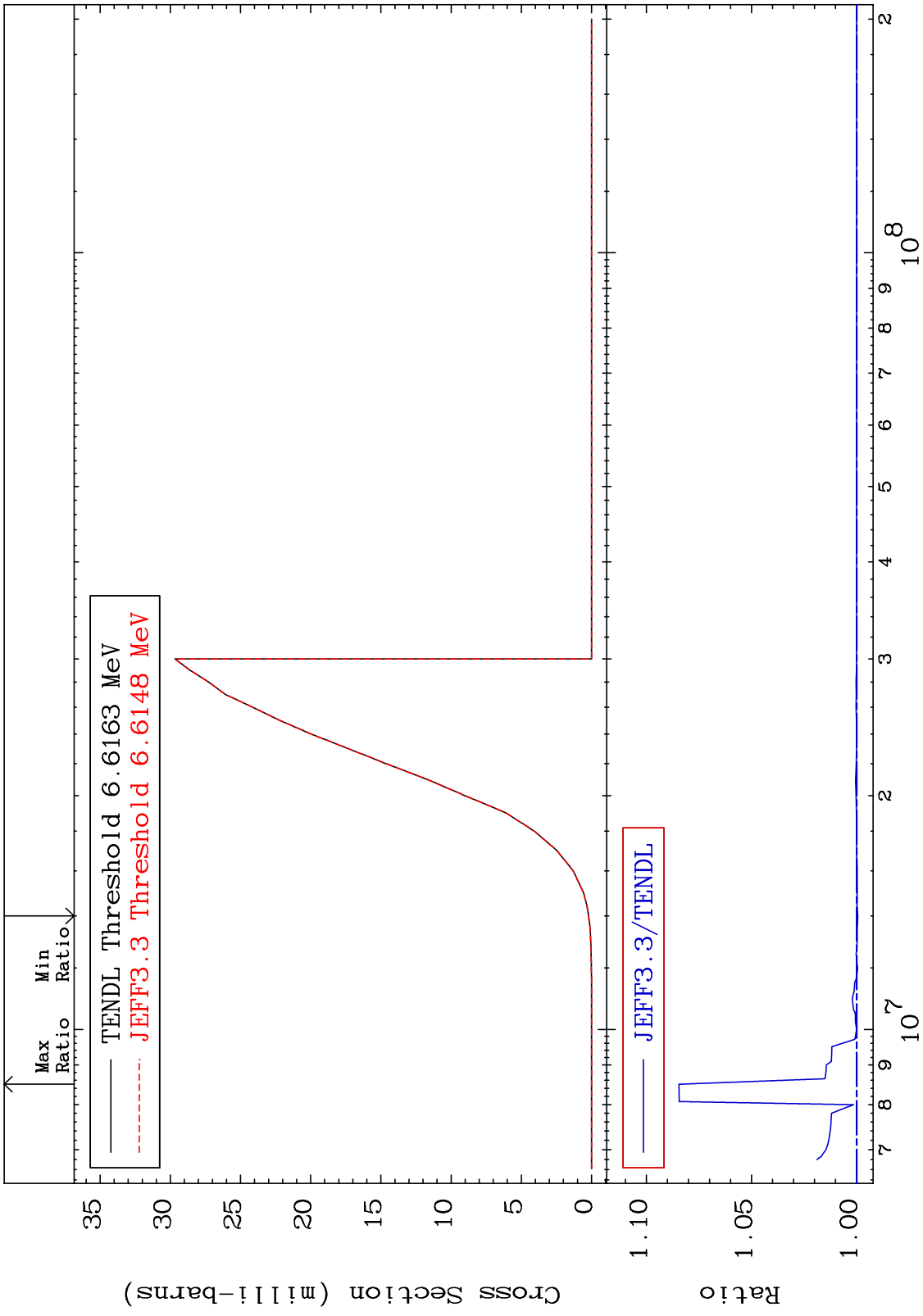




MAT 7634 (n,2n) d:75-Re-184m5 76-Os-187  
 Radionuclide Production Cross Section 0.000 To 50.64 %



MAT 7634 (n,n') p:75-Re-186g 76-0s-187  
 Radionuclide Production Cross Section -0.058 To 8.448 %

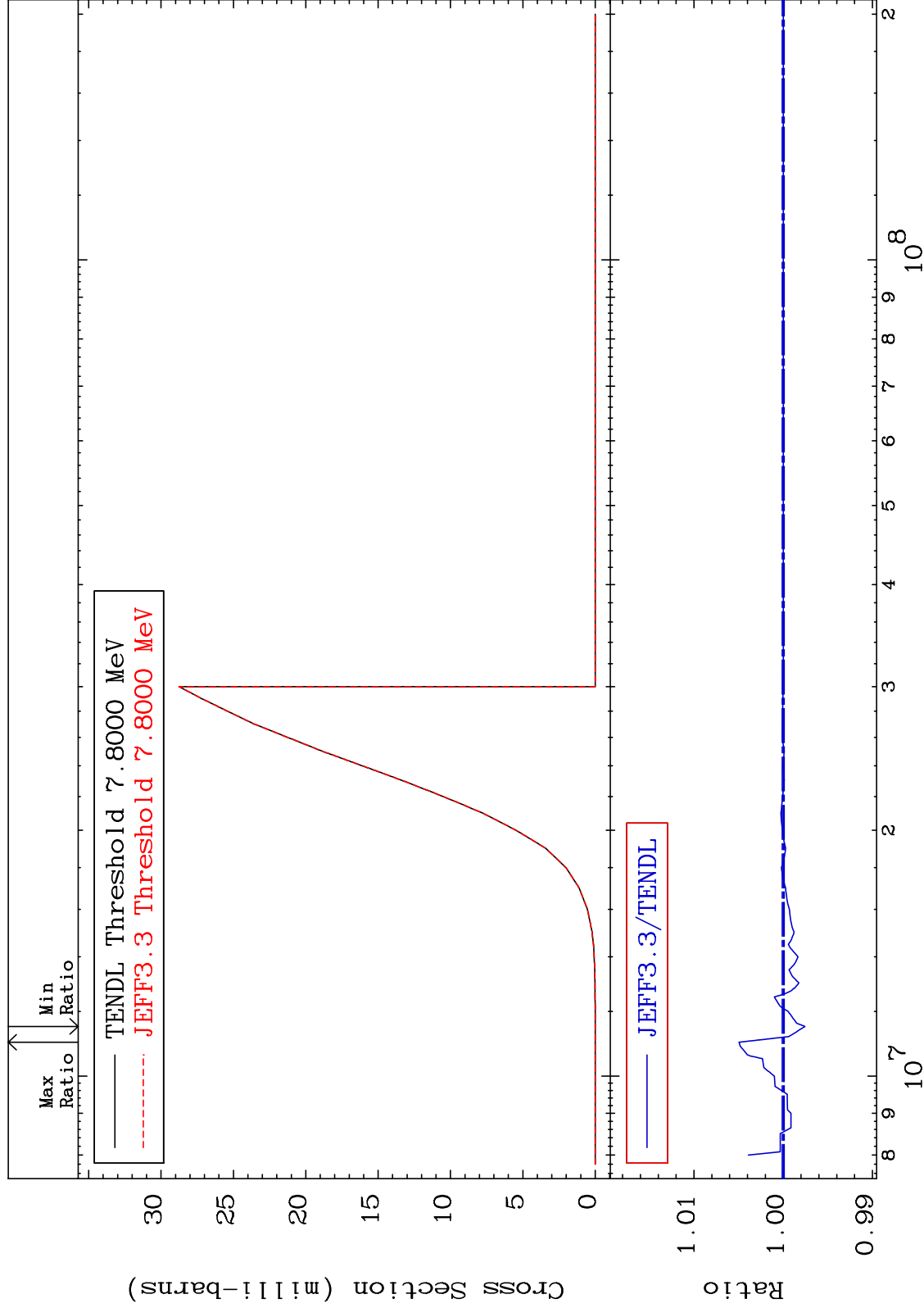


MAT 7634

(n,n') p:75-Re-186m4

76-0s-187

Radionuclide Production Cross Section -0.244 To 0.496 %

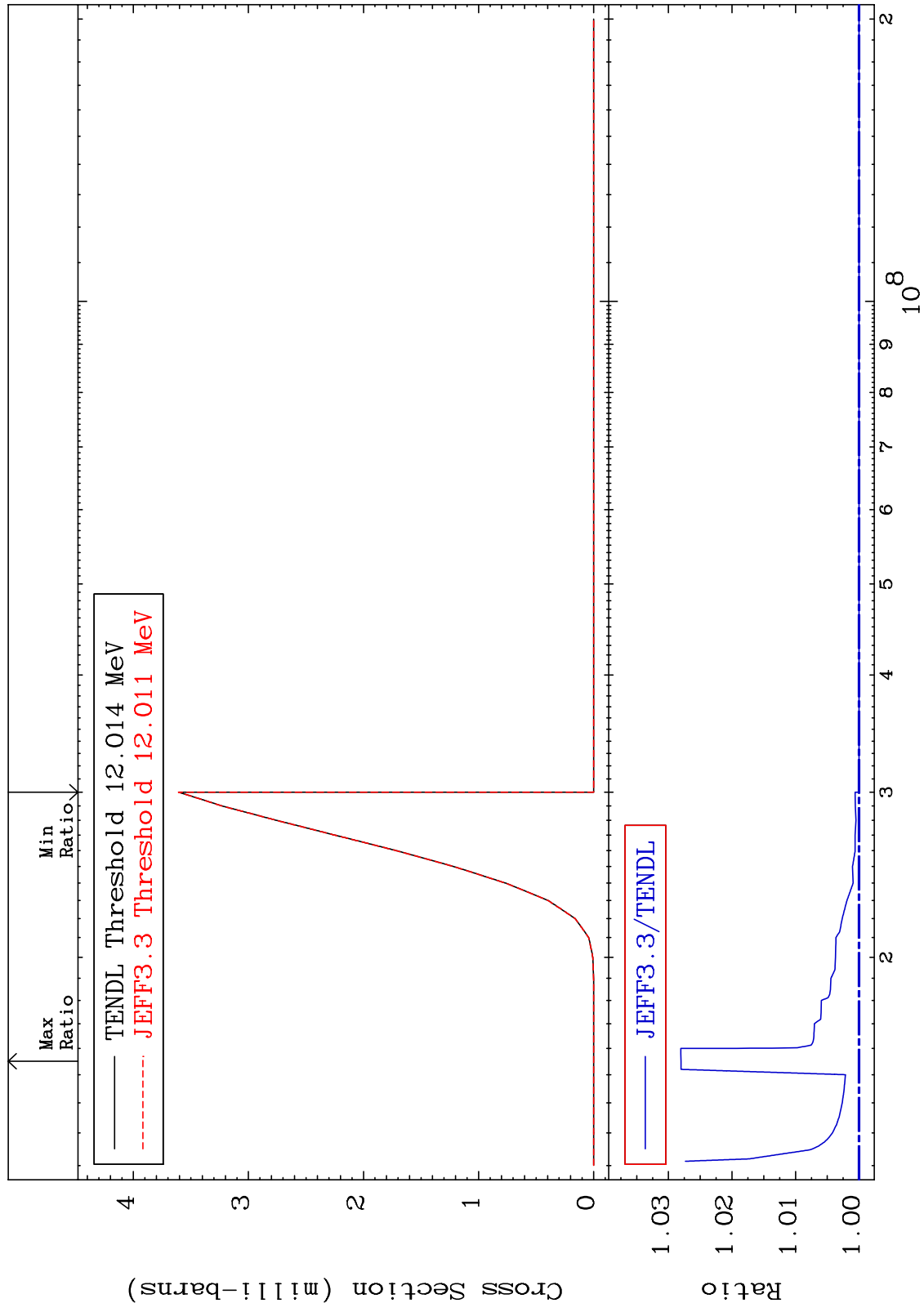


82

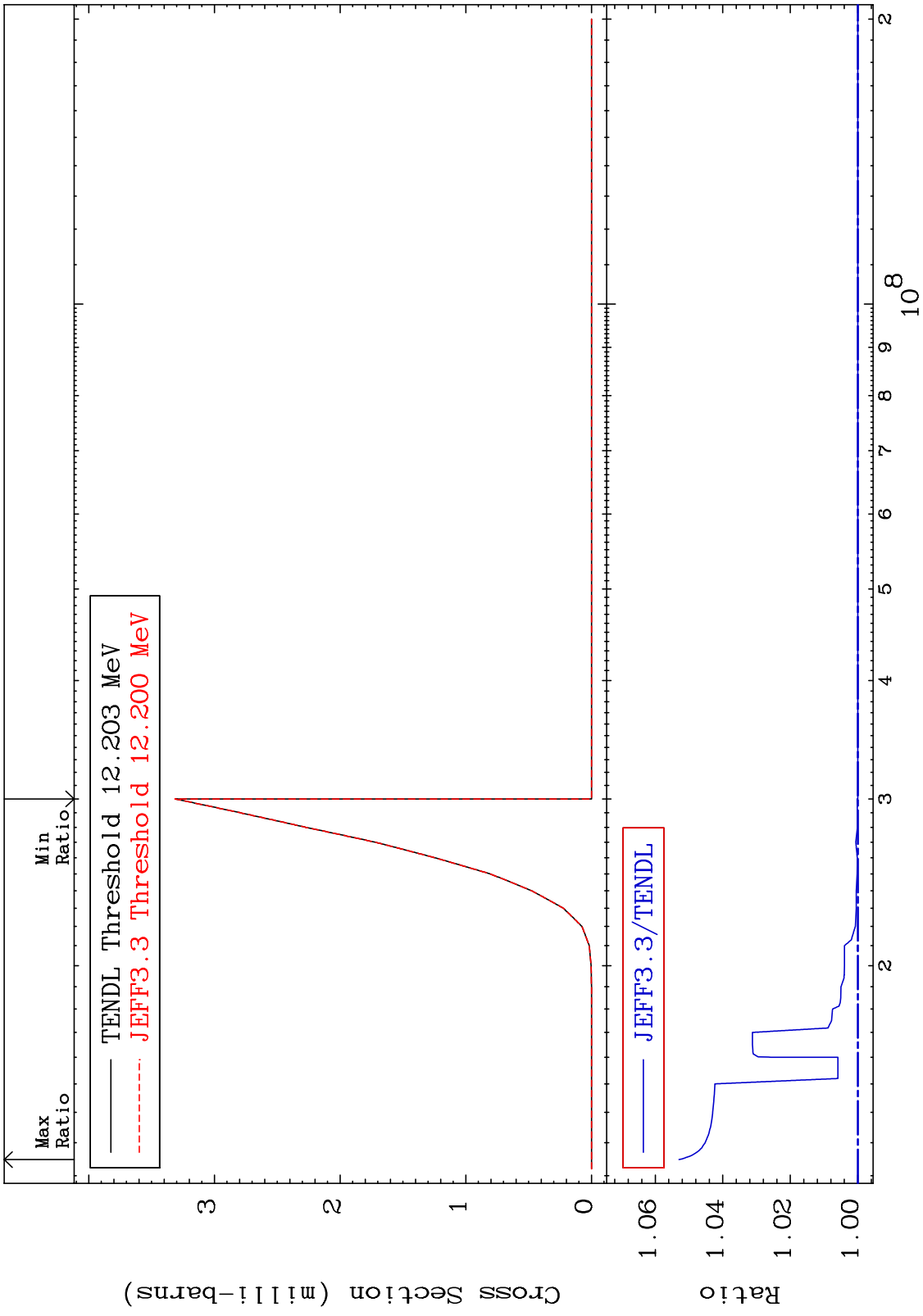
Incident Energy (eV)

76-0s-187

MAT 7634 (n, n') t: 75-Re-184g 76-Os-187  
Radionuclide Production Cross Section 0.000 To 2.805 %



MAT 7634 (n,n') t:75-Re-184m5 76-0s-187  
 Radionuclide Production Cross Section 0.000 To 5.296 %

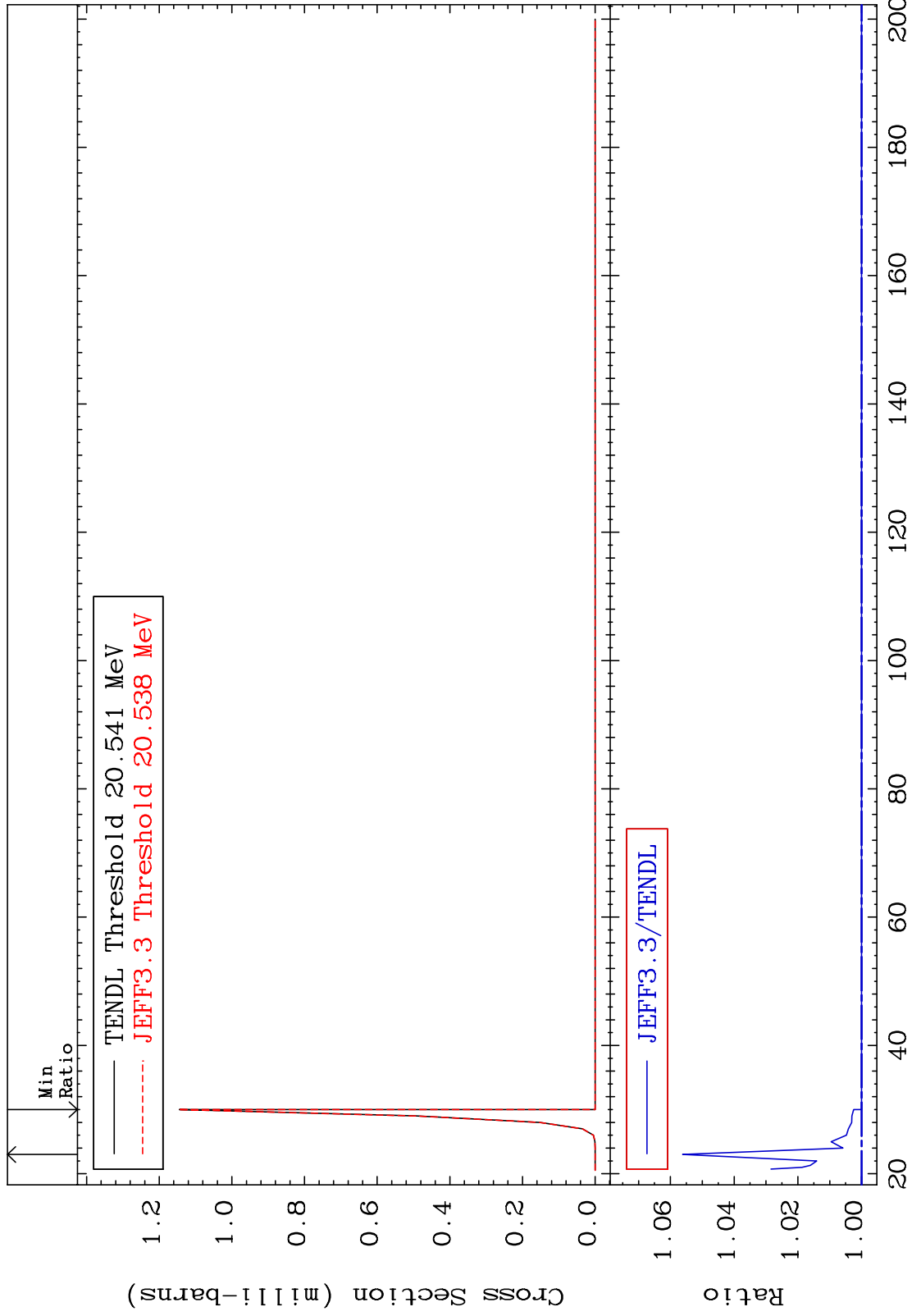


MAT 7634

(n,3n) p:75-Re-184g

76-Os-187

Radionuclide Production Cross Section 0.000 To 5.616 %



85

Incident Energy (MeV)

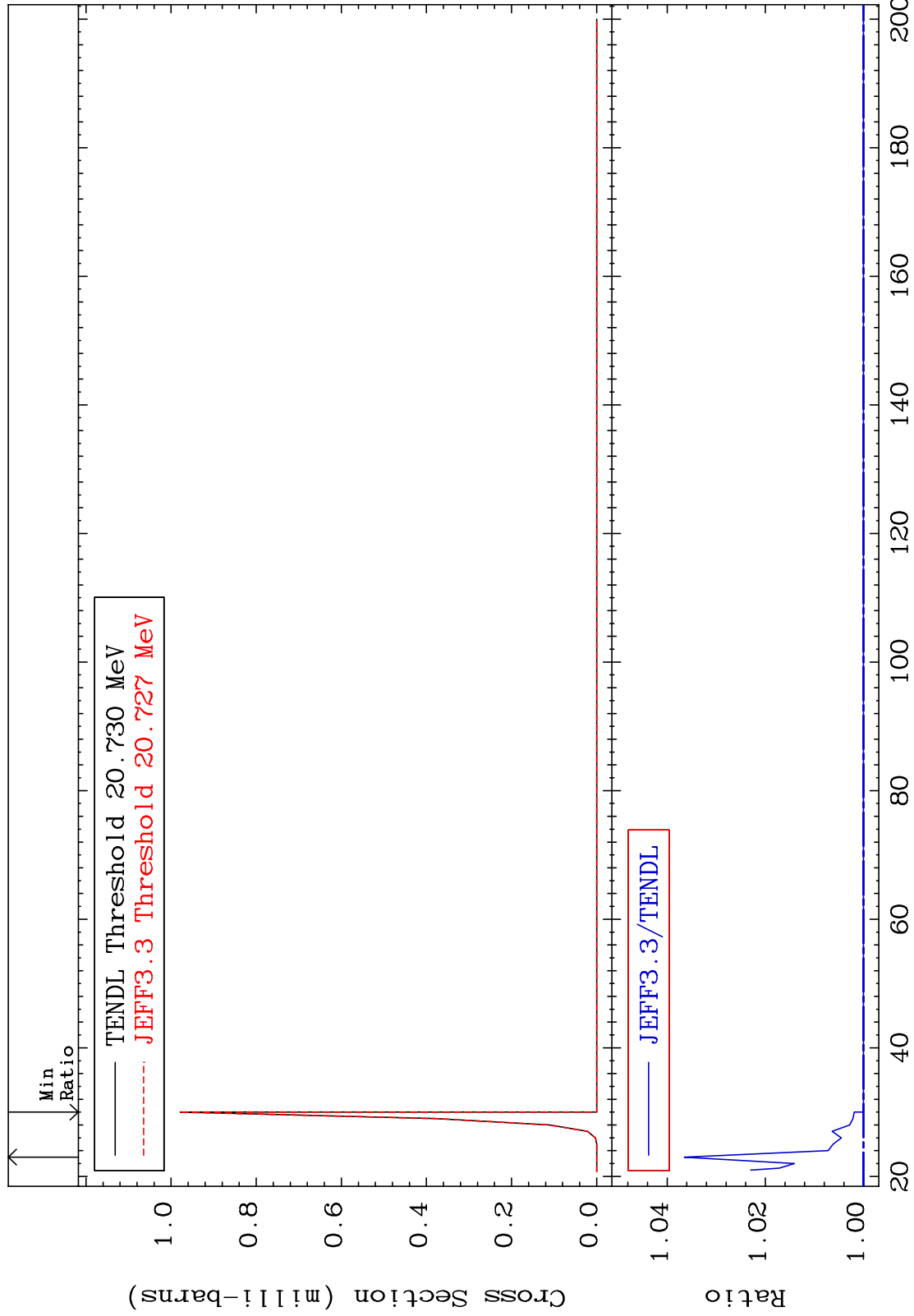
76-Os-187

MAT 7634

(n,3n) p:75-Re-184m5

76-0s-187

Radionuclide Production Cross Section 0.000 To 3.649 %

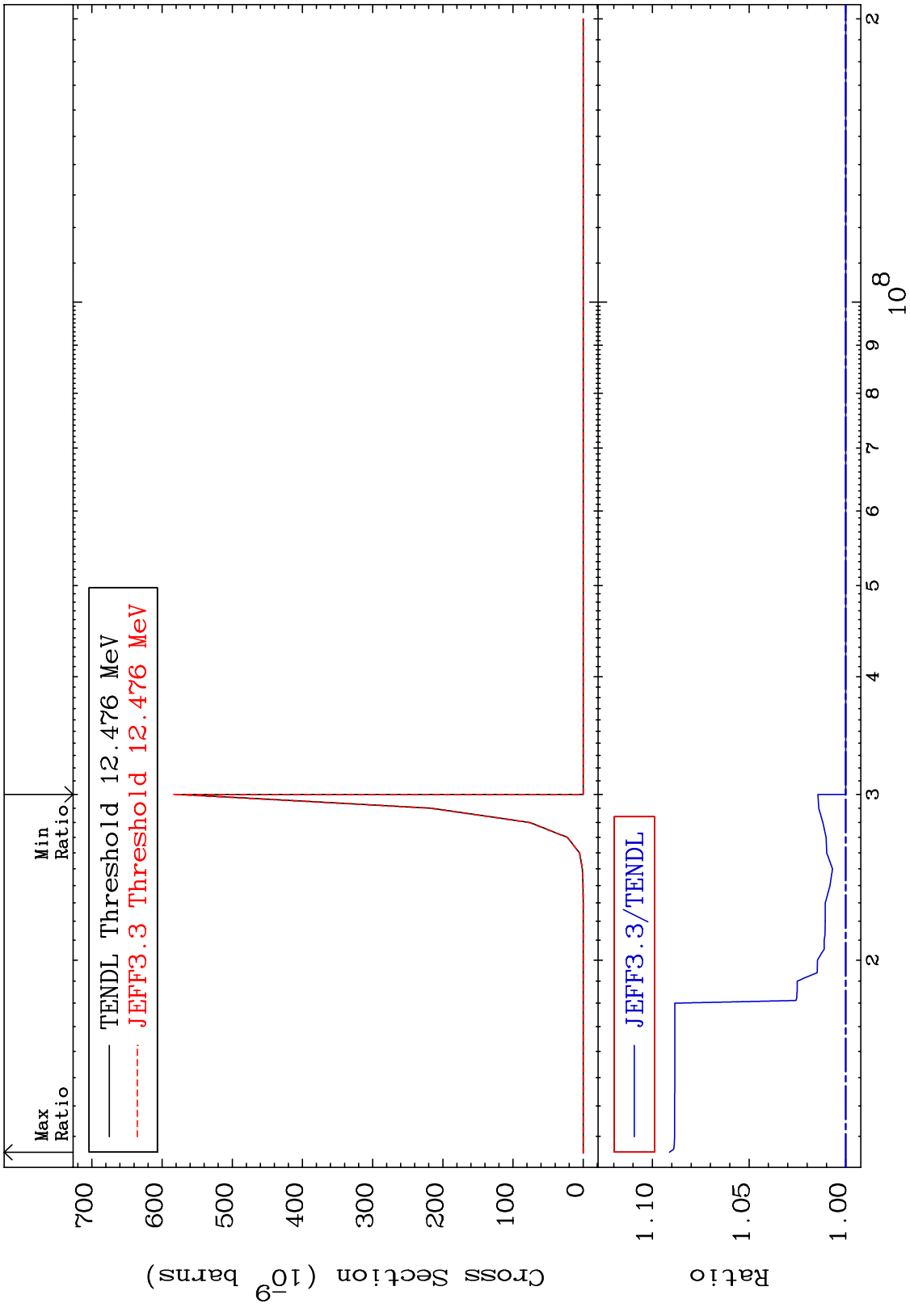


86

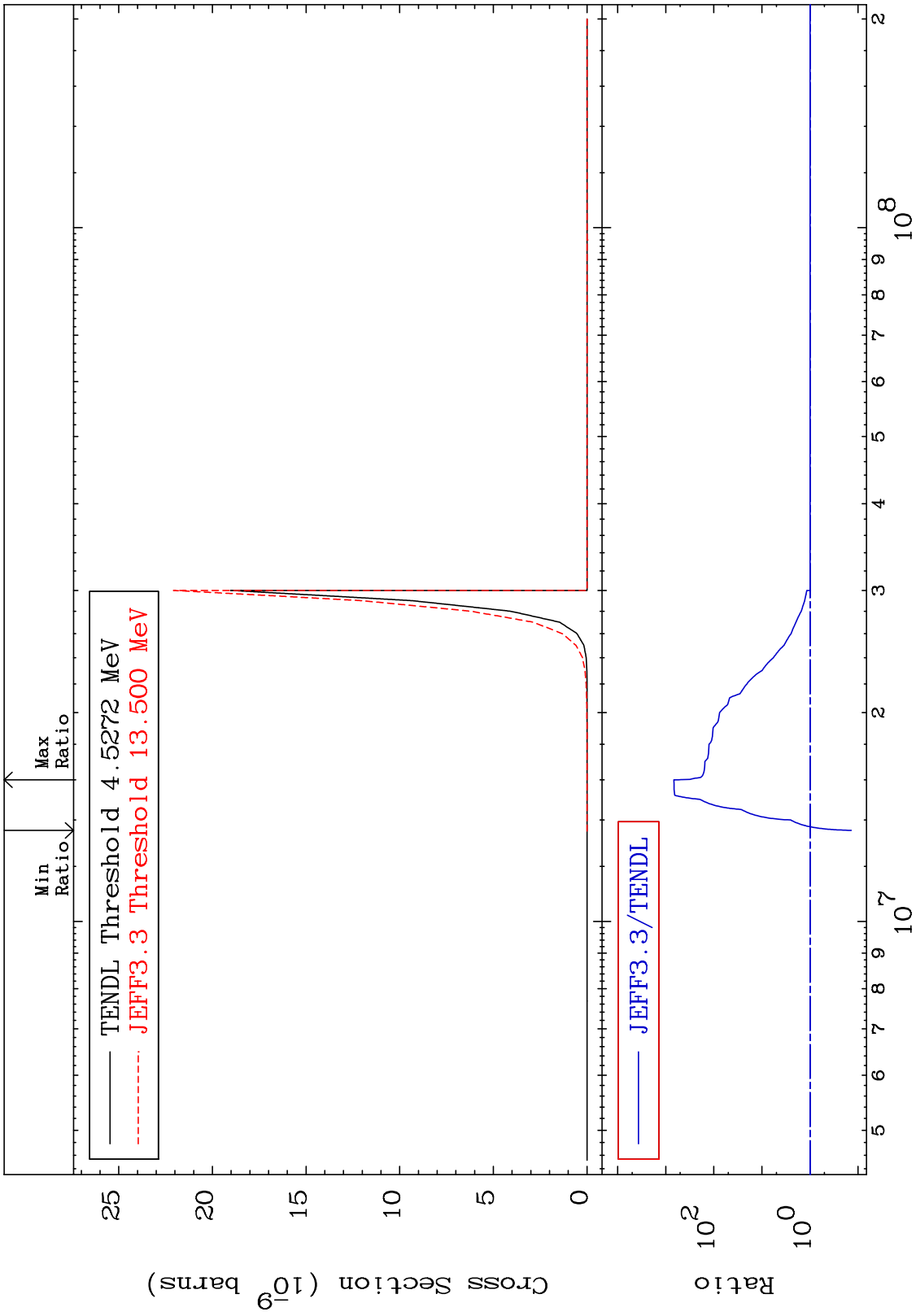
Incident Energy (MeV)

76-0s-187

MAT 7634 (n,2n) p:74-W -185g 76-0s-187  
 Radionuclide Production Cross Section 0.000 To 9.118 %





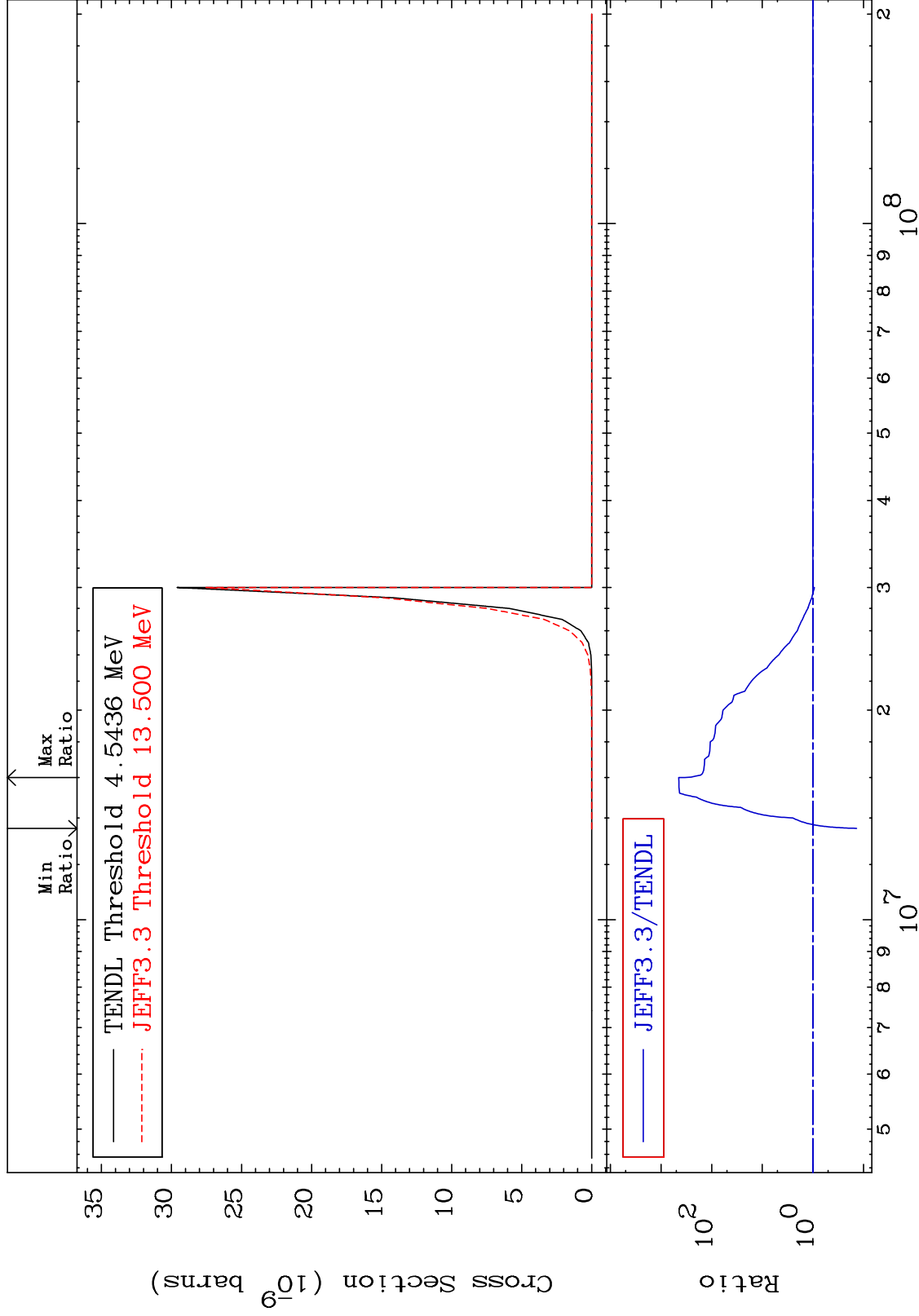


MAT 7634

(n,n') p α: 73-Ta-182m1

76-Os-187

Radionuclide Production Cross Section -86.30 To 9999. %

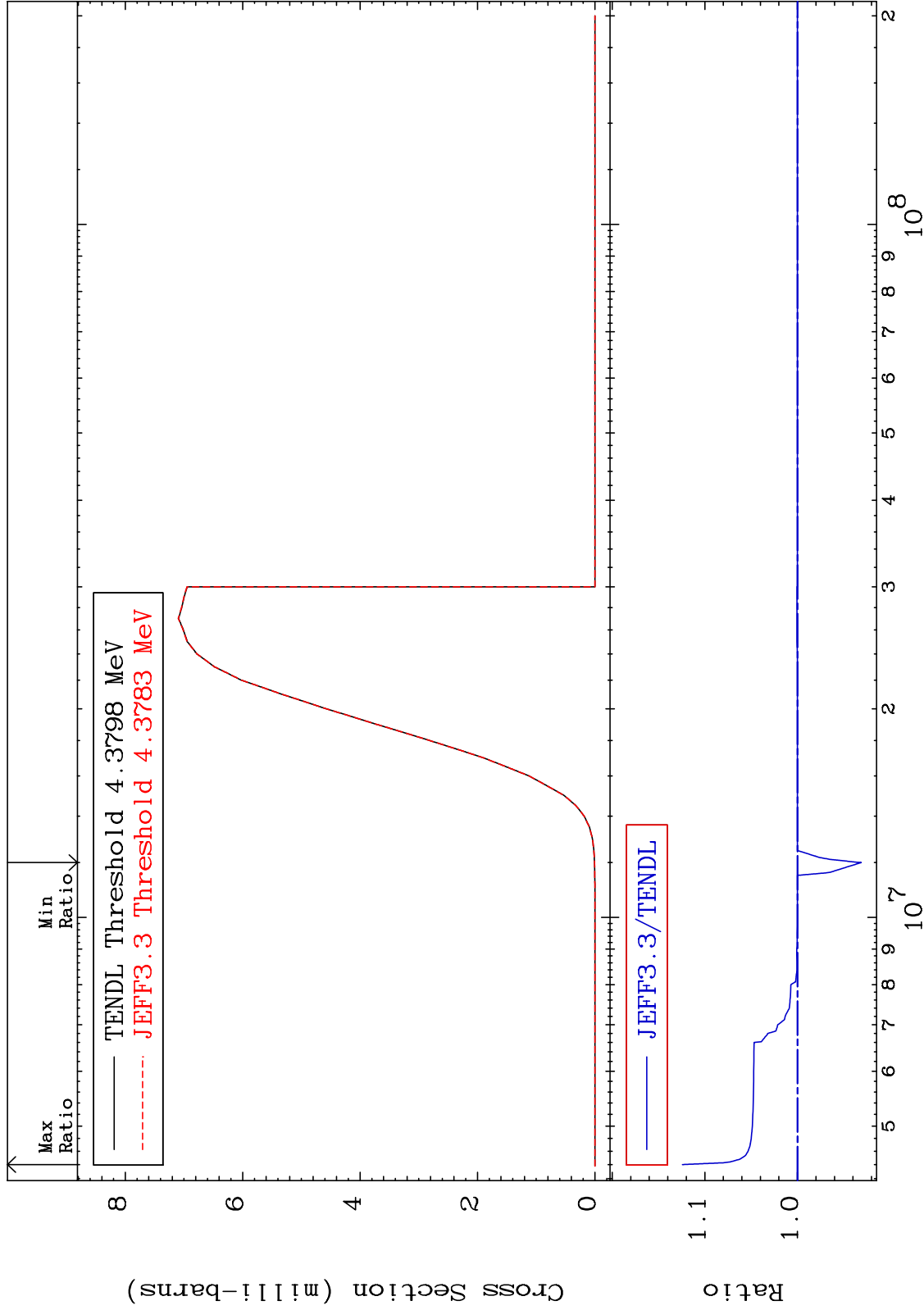


MAT 7634

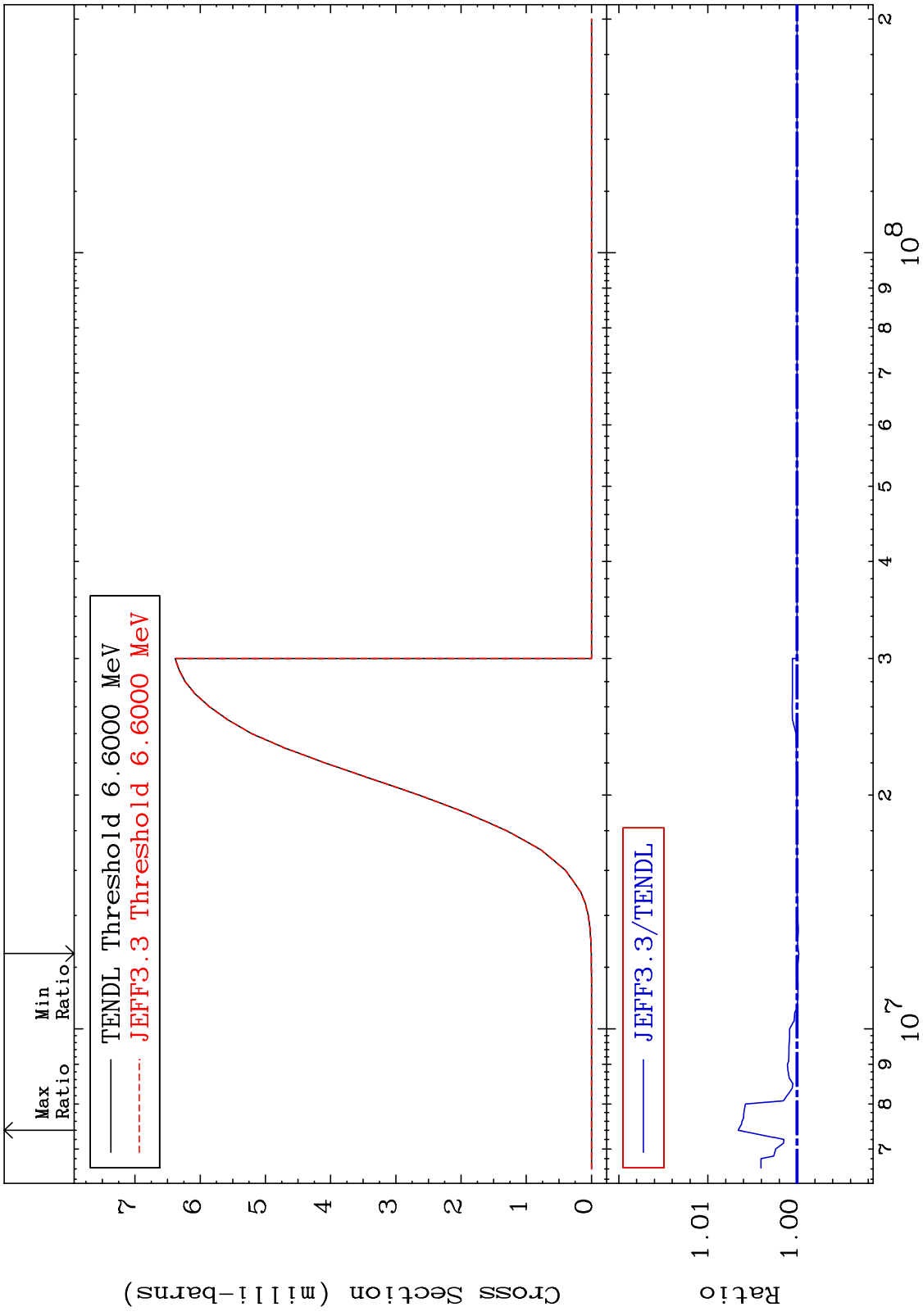
(n,d):75-Re-186g

76-Os-187

Radionuclide Production Cross Section -6.896 To 12.42 %

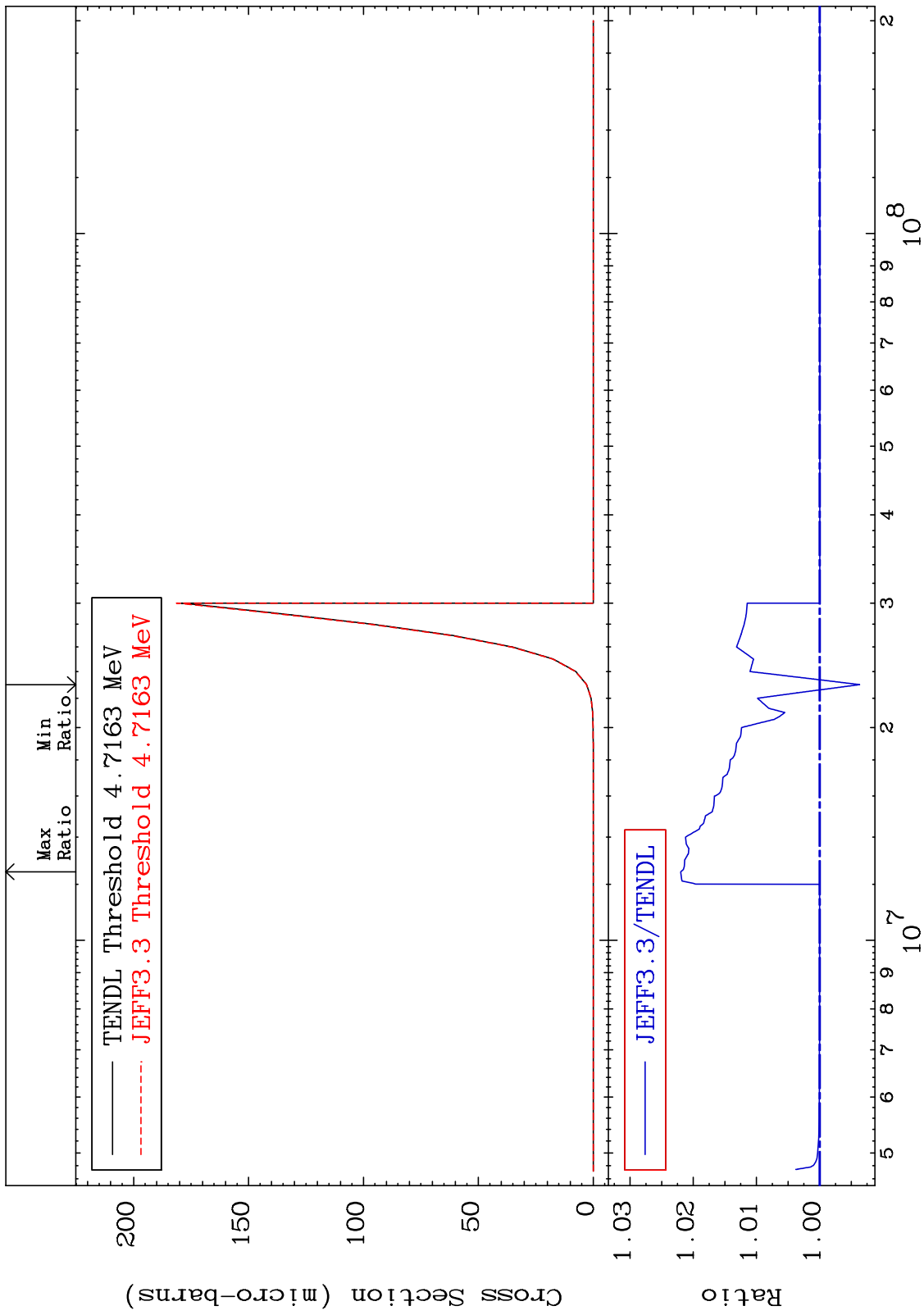


MAT 7634 (n,d):75-Re-186m4 76-Os-187  
 Radionuclide Production Cross Section -0.019 To 0.661 %



MAT 7634

(n, He-3) : 74-W -185g 76-0s-187  
Radionuclide Production Cross Section -0.632 To 2.197 %

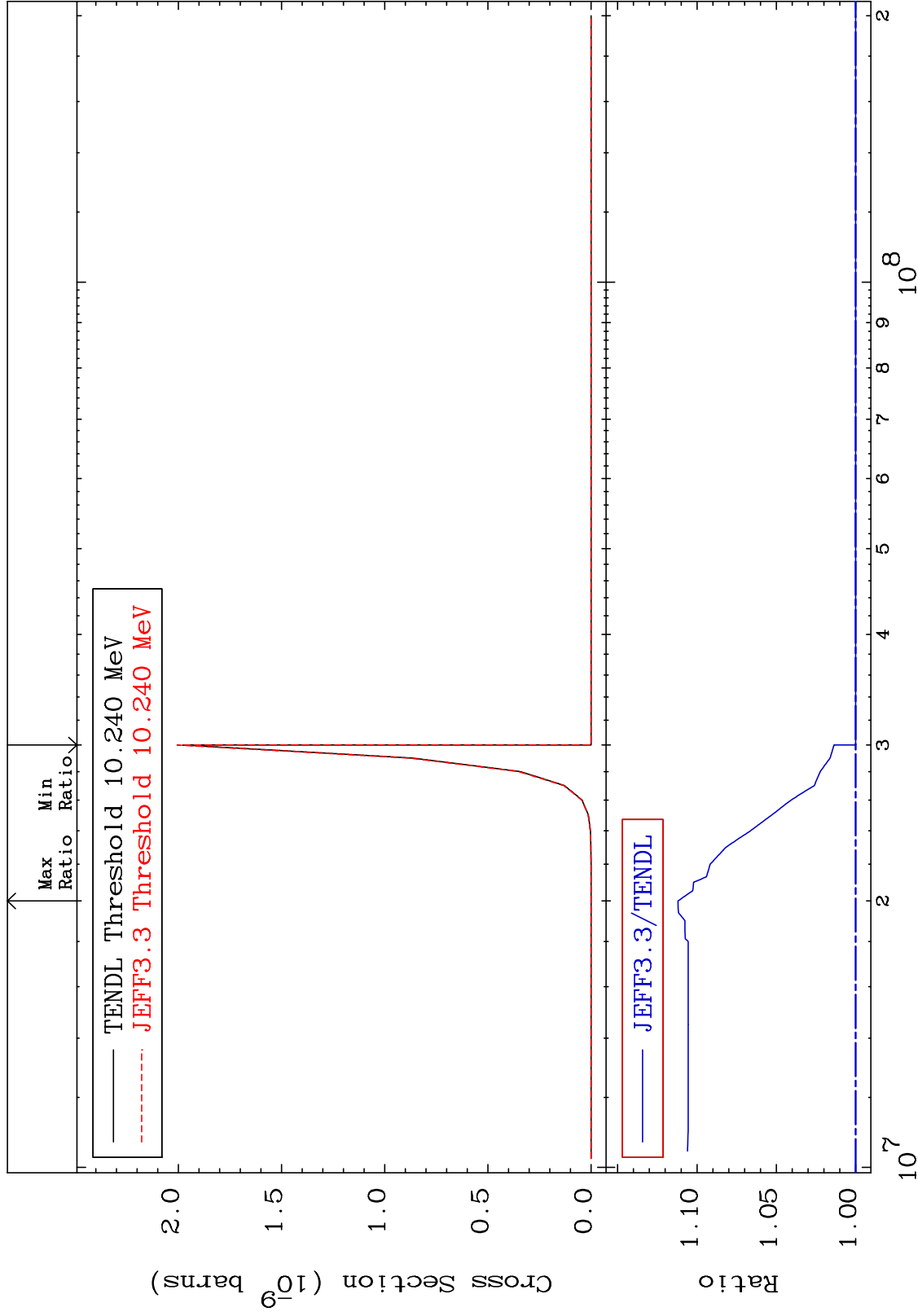


92

MAT 7634

(n,p) d:74-W -185g  
Radionuclide Production Cross Section 0.000 To 11.19 %

76-0s-187



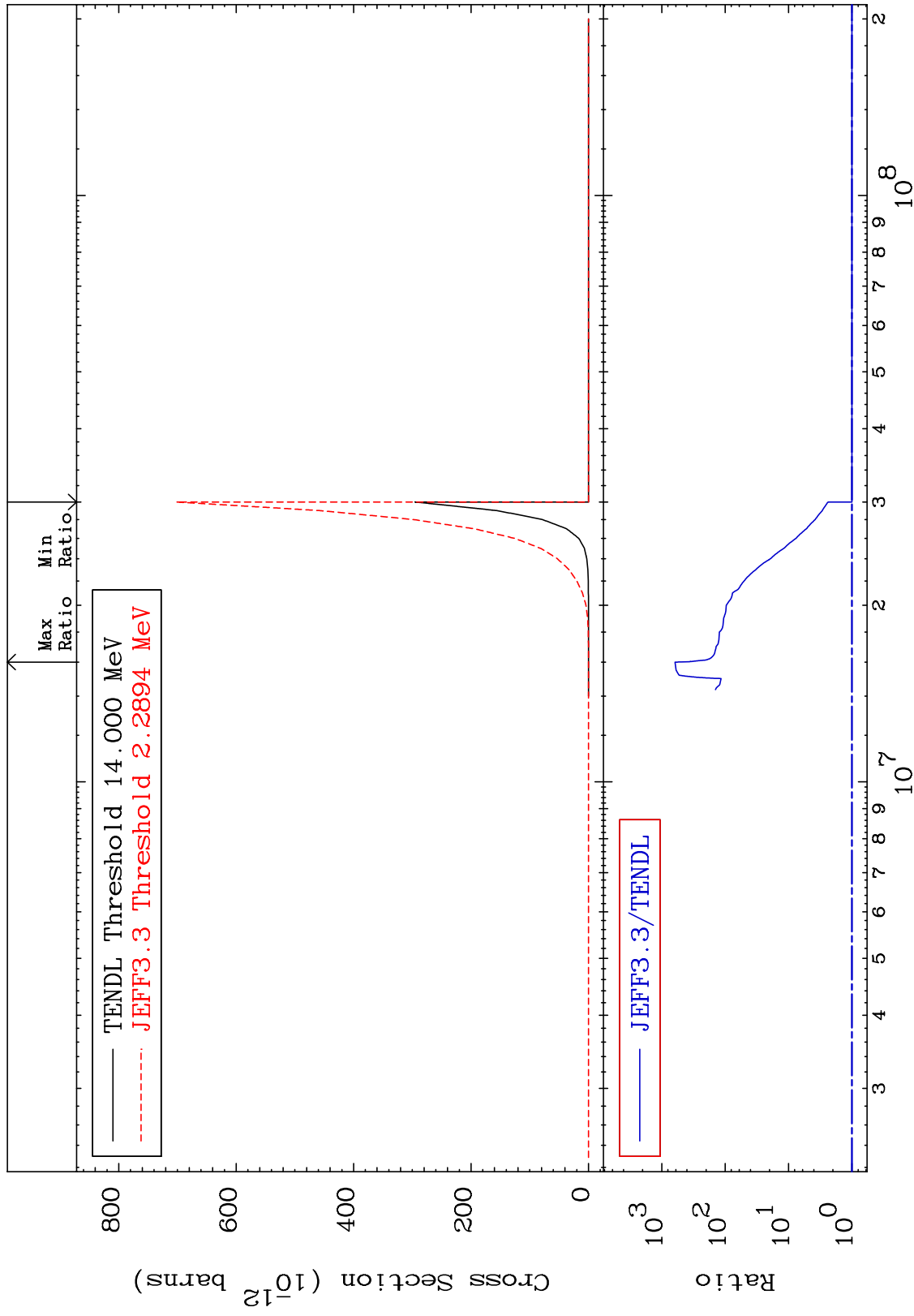
93

Incident Energy (eV)

76-0s-187

MAT 7634

(n, d)  $\alpha$ : <sup>73</sup>Ta-182g <sup>76</sup>Os-187  
Radionuclide Production Cross Section 0.000 To 9999. %



MAT 7634

(n, d)  $\alpha$ : <sup>73</sup>Ta-182m1 <sup>76</sup>Os-187  
Radionuclide Production Cross Section 0.000 To 9999. %

