

Program Complot  
(Version 2018-1)

by

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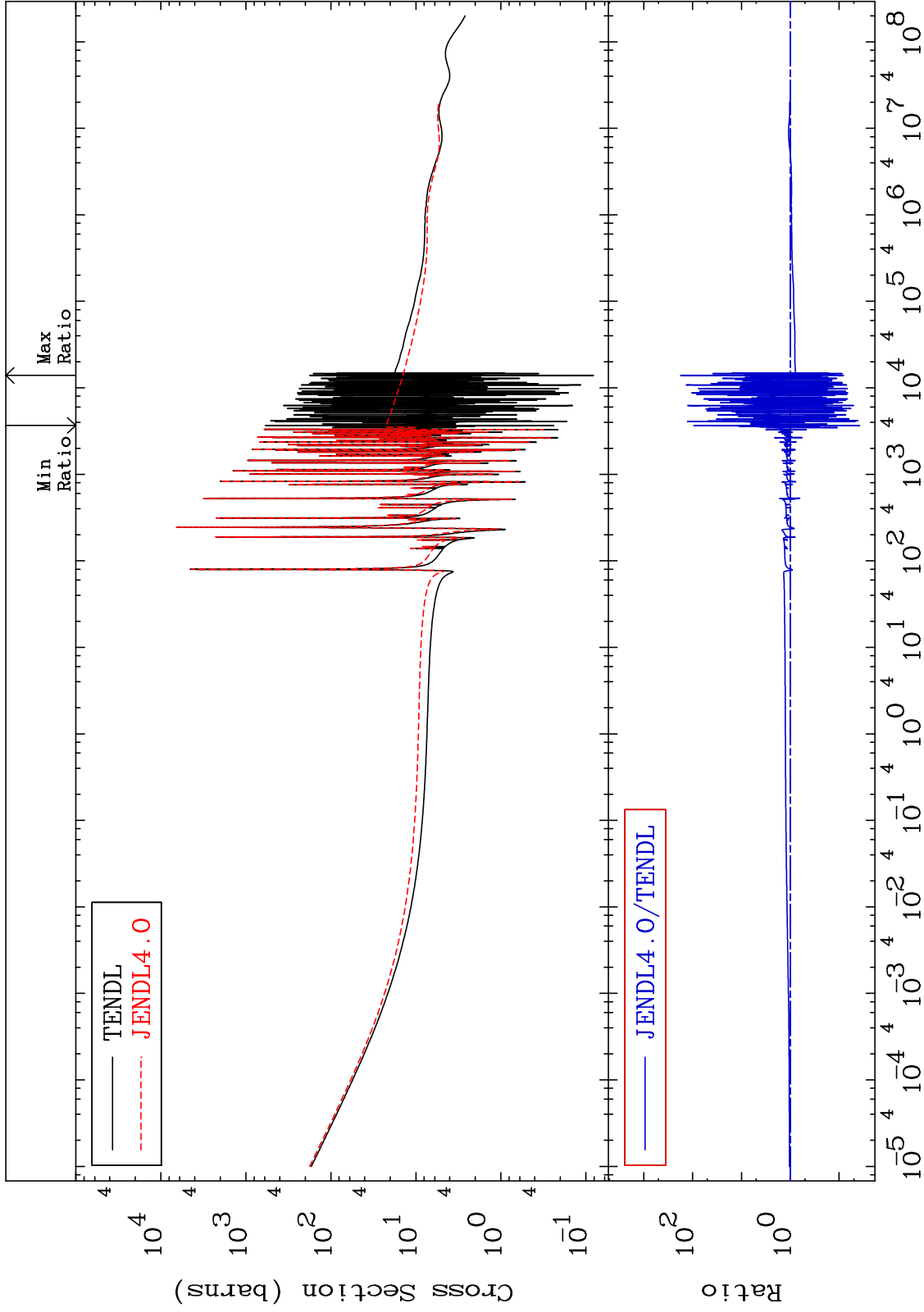
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6843

Total  
Cross Section

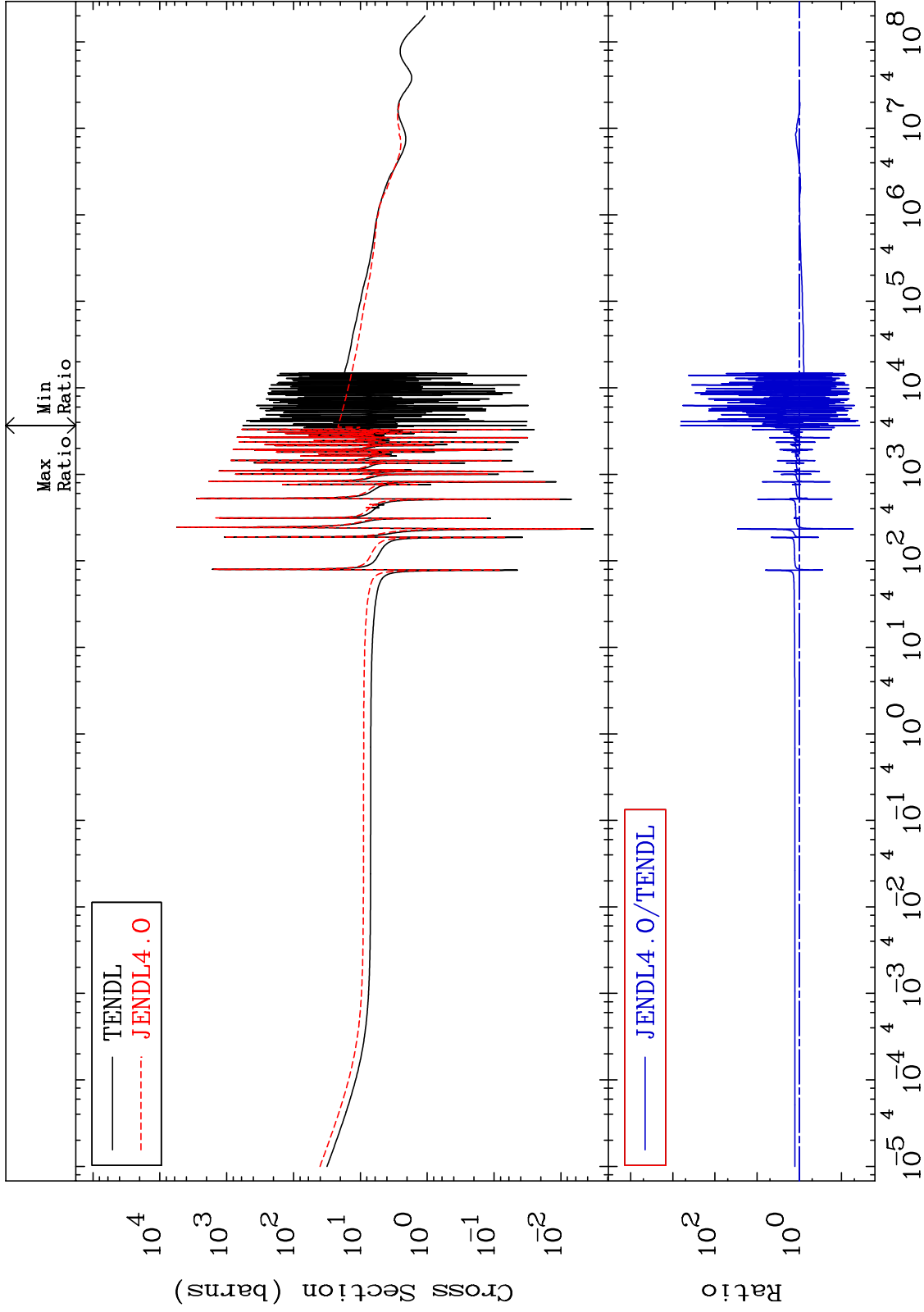
68-Er-168  
-96.19 To 9999. %



MAT 6843

Elastic  
Cross Section

68-Er-168  
-96.28 To 9999. %

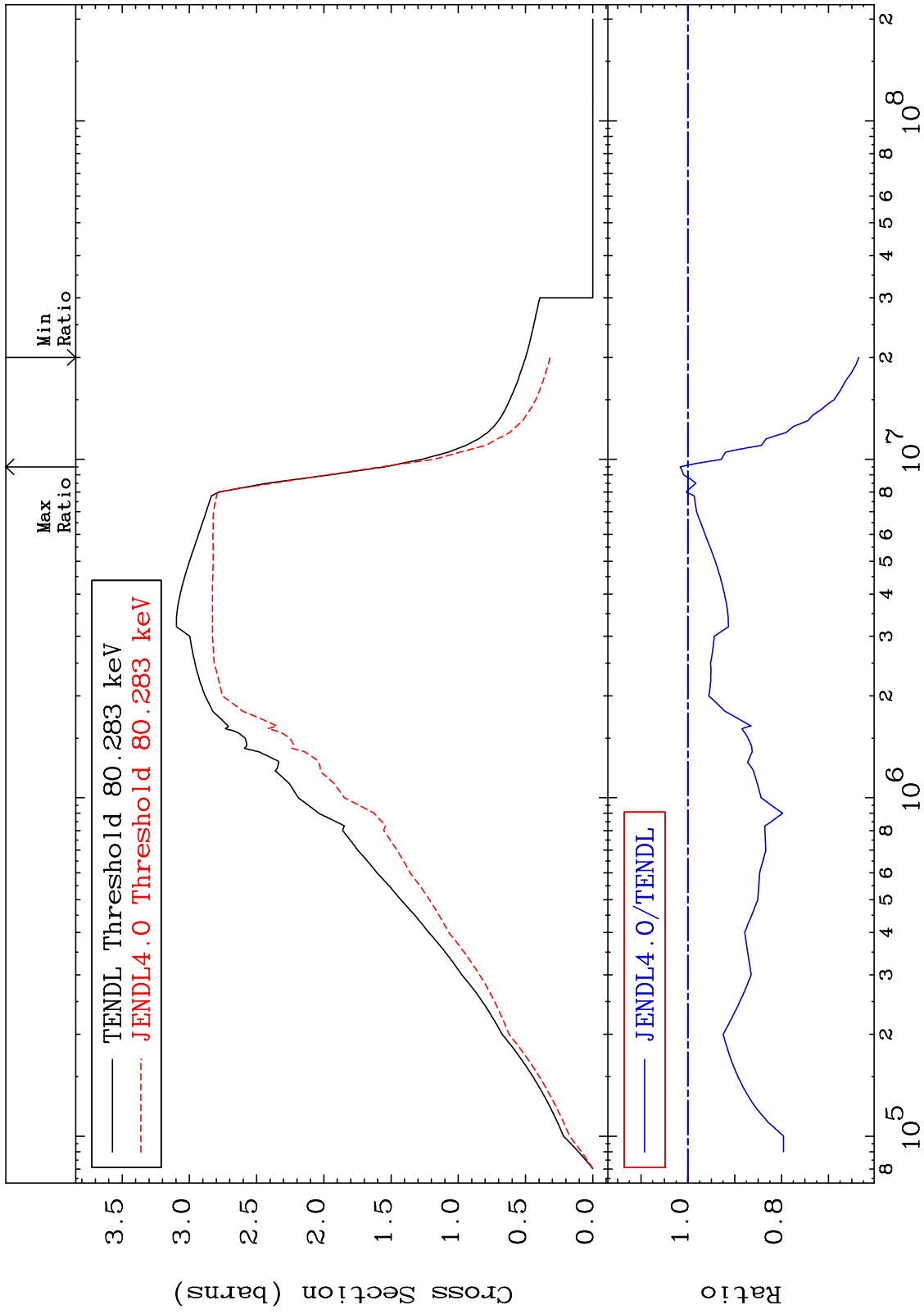


2

Incident Energy (eV)

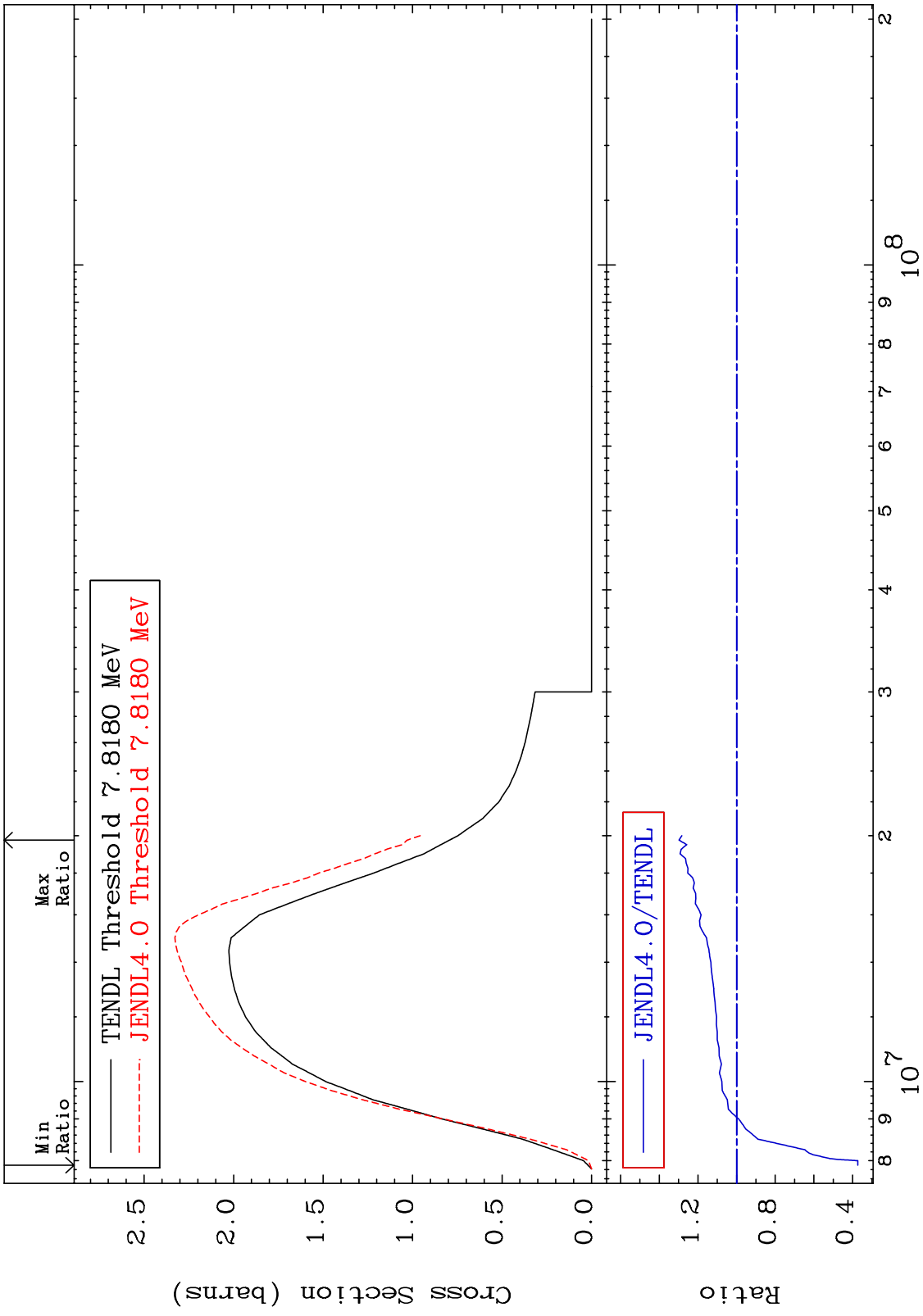
68-Er-168

MAT 6843 Inelastic Cross Section 68-Er-168 -36.51 To 1.632 %



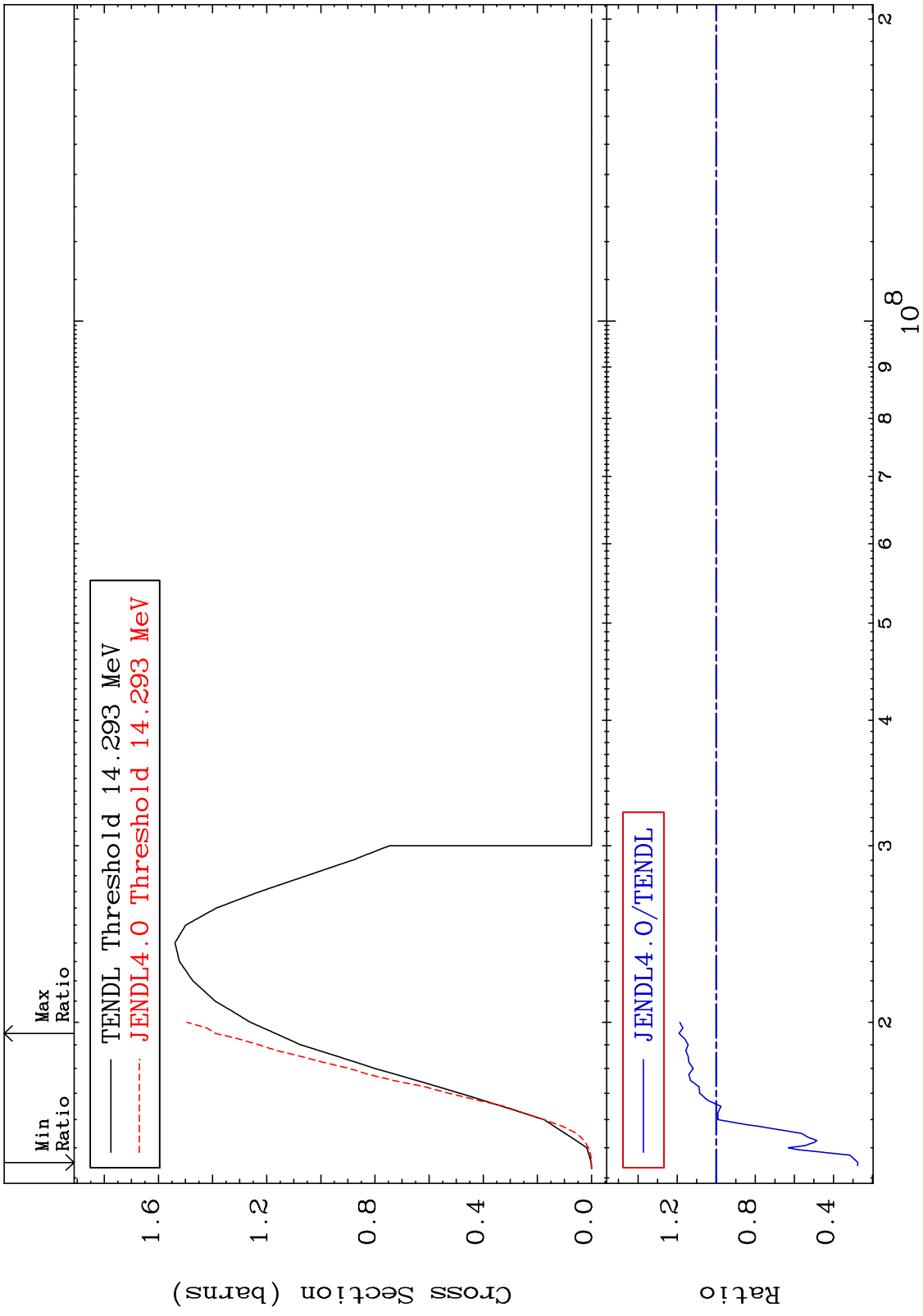
3 Incident Energy (eV) 68-Er-168

MAT 6843 68-Er-168  
-62.71 To 29.77 %  
 (n,2n)  
 Cross Section



4 68-Er-168

MAT 6843 (n,3n) Cross Section 68-Er-168 -72.47 To 19.02 %



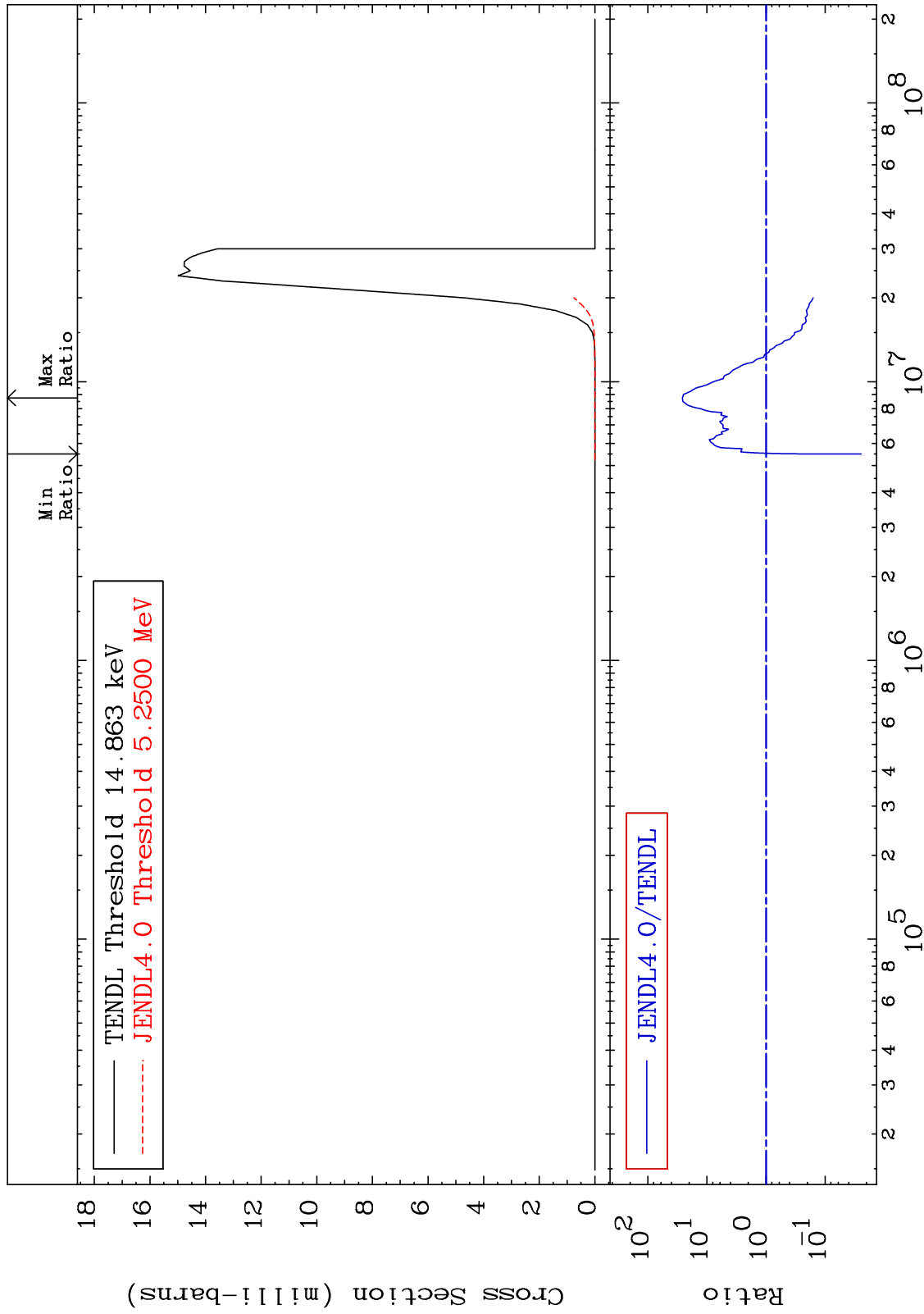
MAT 6843

$(n, n') \alpha$

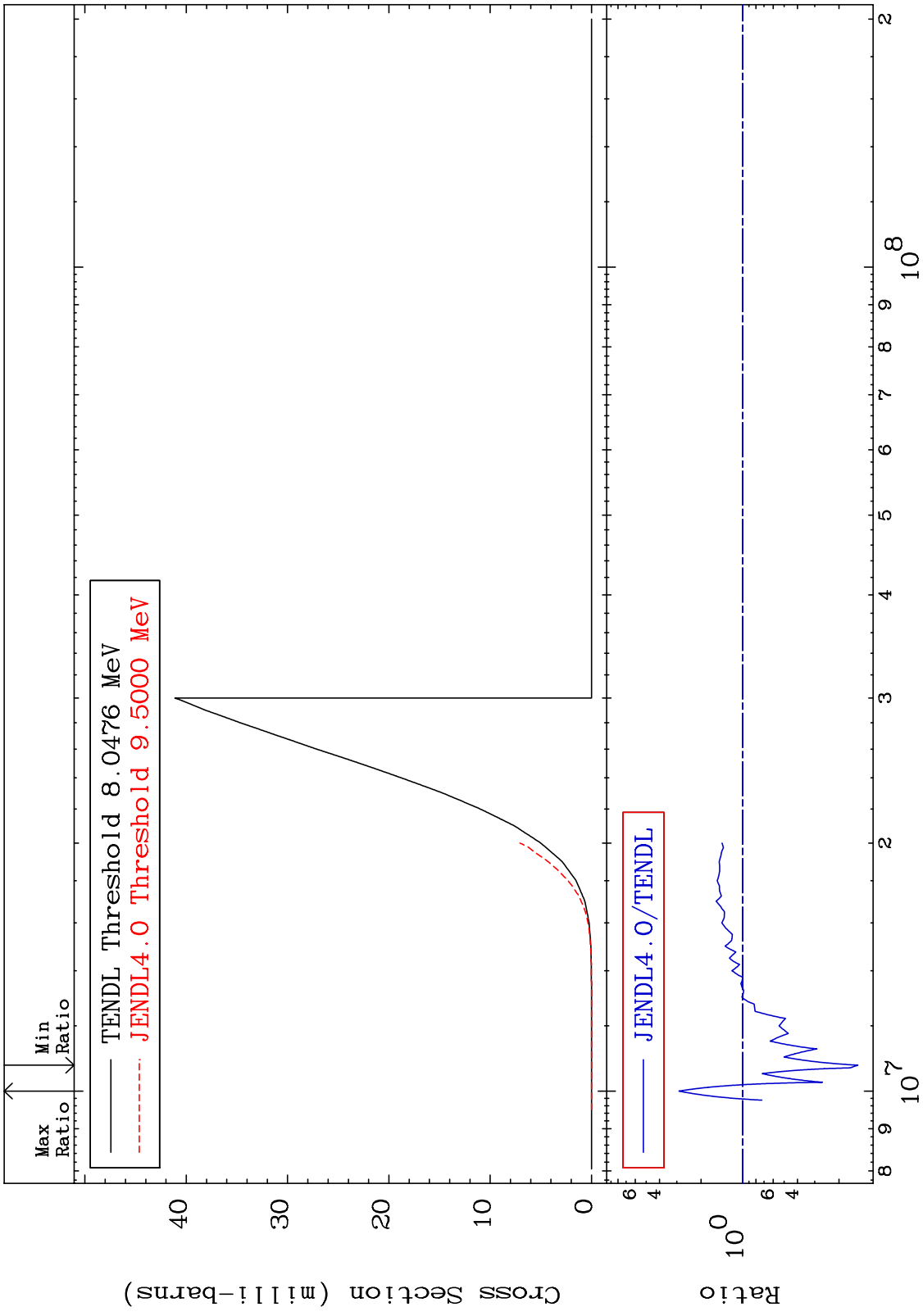
68-Er-168

Cross Section

-97.55 To 2500. %

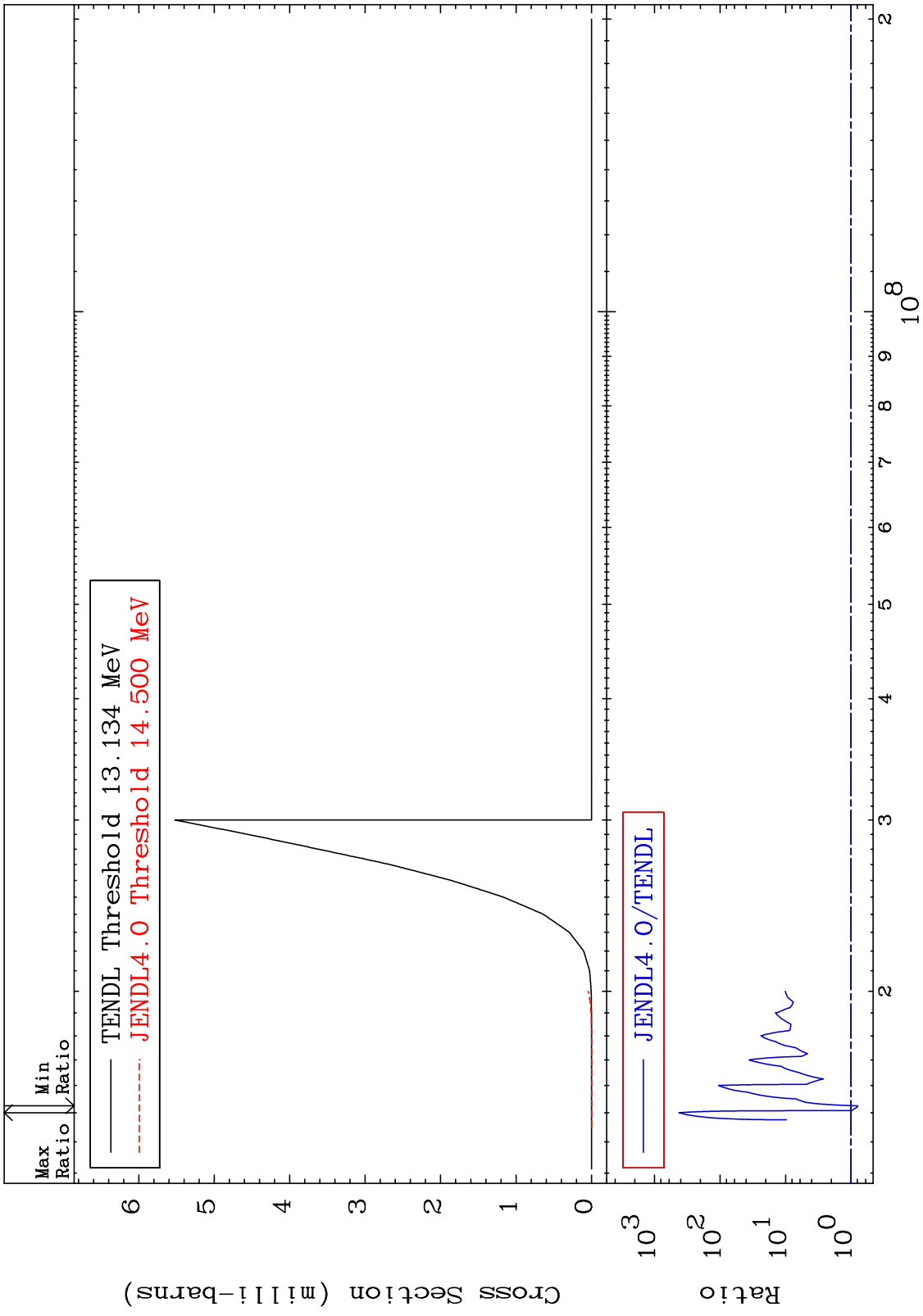


MAT 6843 68-Er-168  
 (n,n') p -85.38 To 188.8 %  
 Cross Section

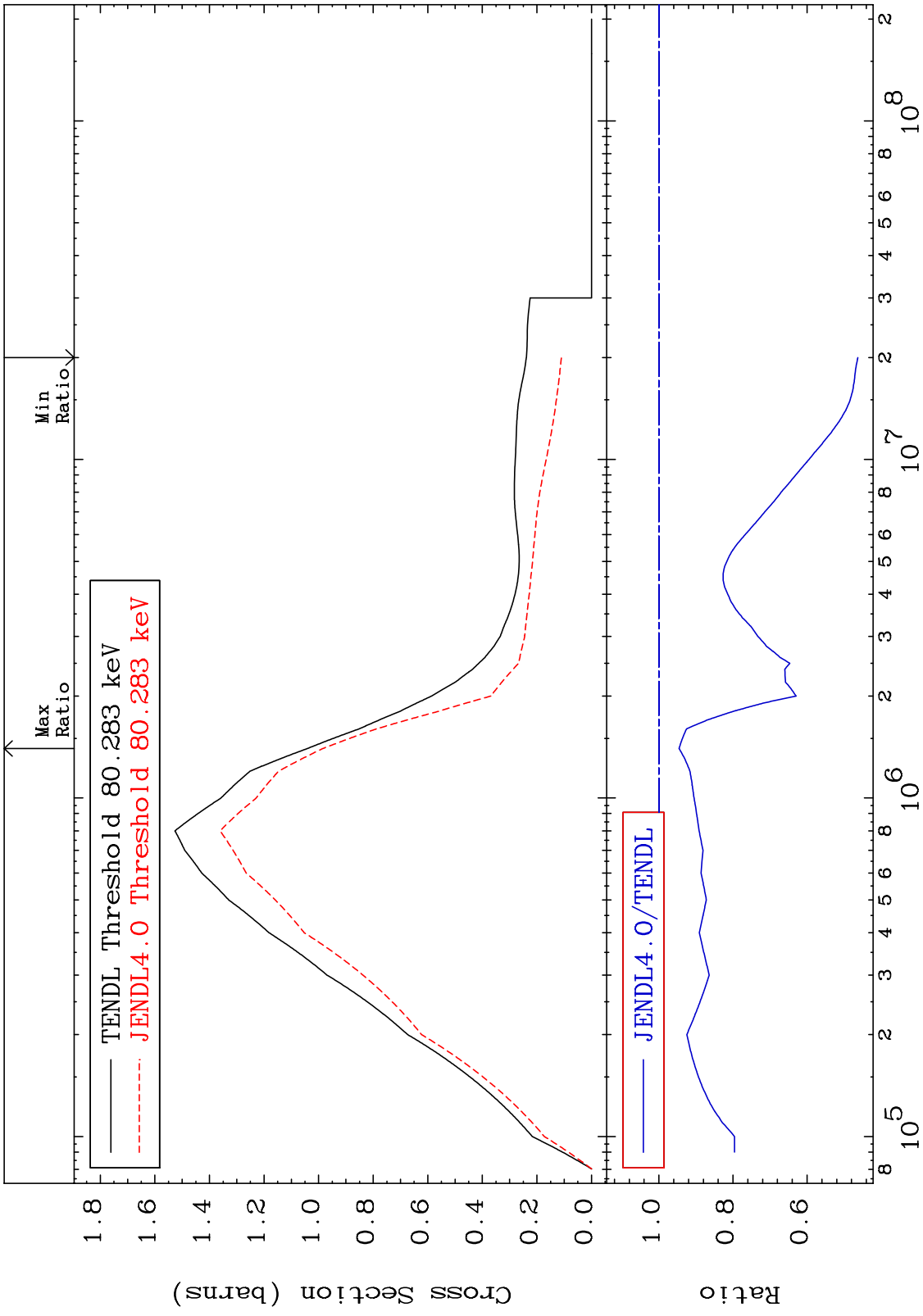


7 68-Er-168



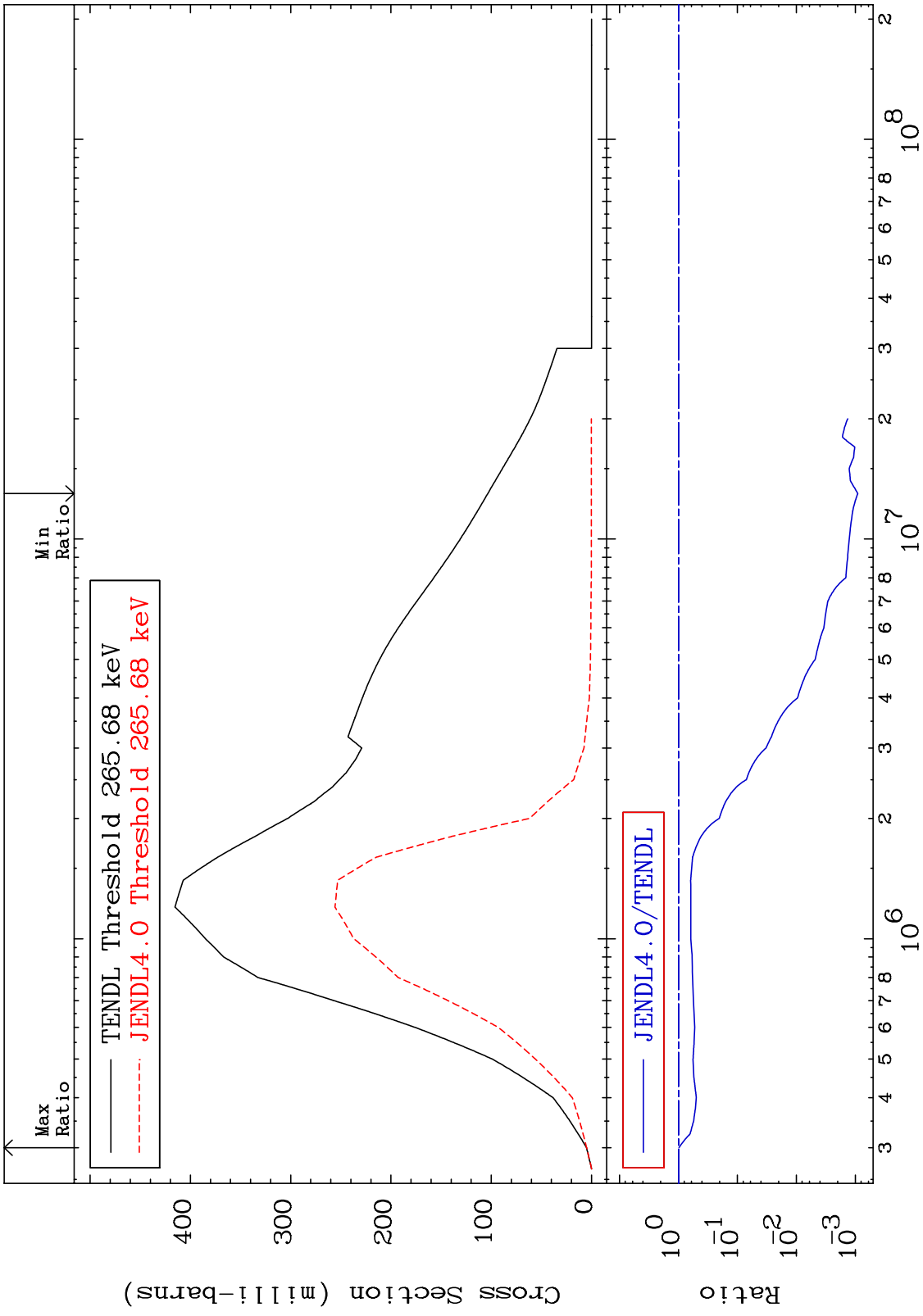


MAT 6843      MT= 51 (n,n') Level Cross Section      68-Er-168  
 -53.70 To -5.438%

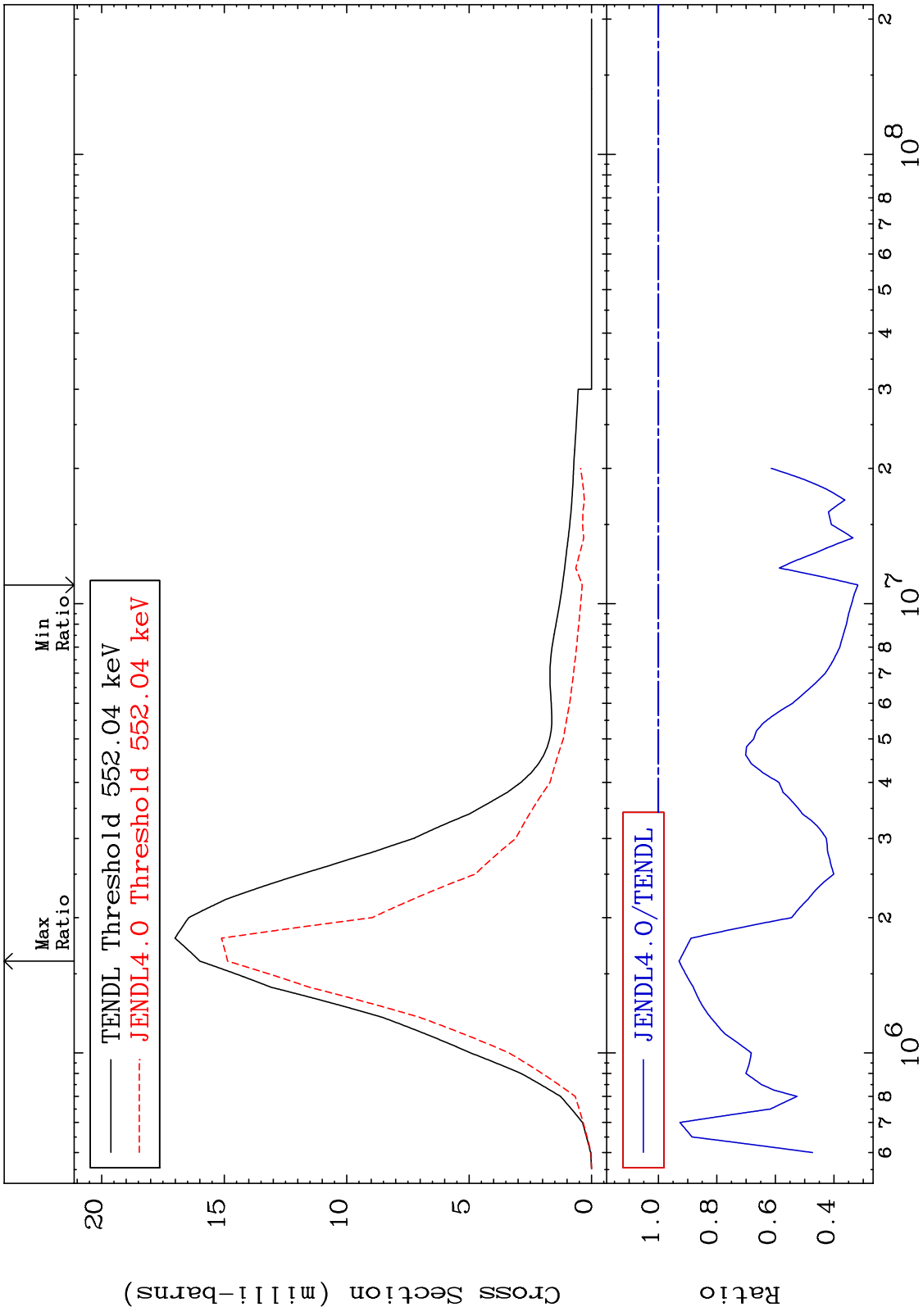


9      Incident Energy (eV)      68-Er-168

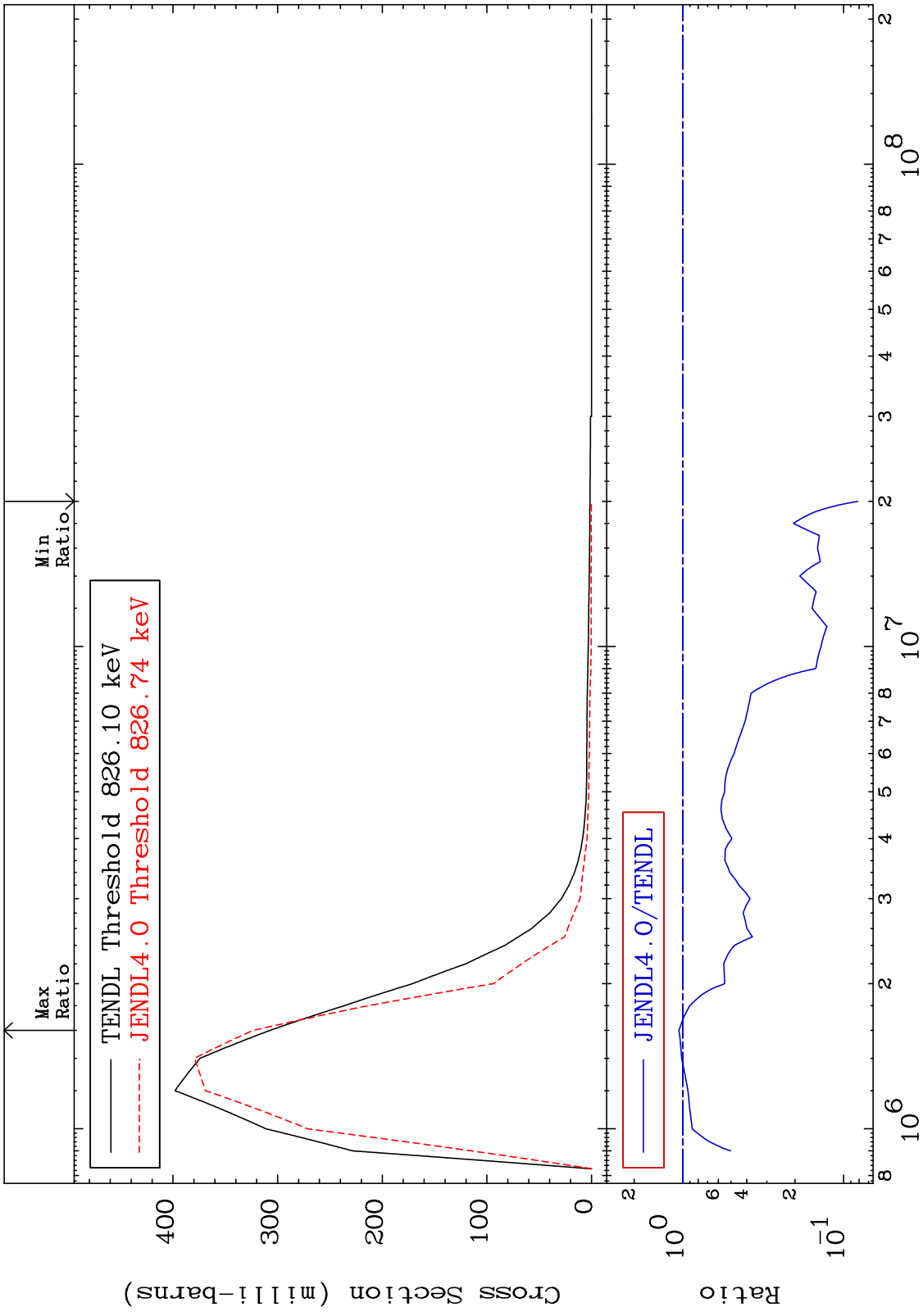
MAT 6843 MT= 52 (n,n') Level Cross Section 68-Er-168 -99.91 To -2.256%



MAT 6843      MT= 53 (n,n') Level      68-Er-168  
 Cross Section      -68.17 To -7.072%



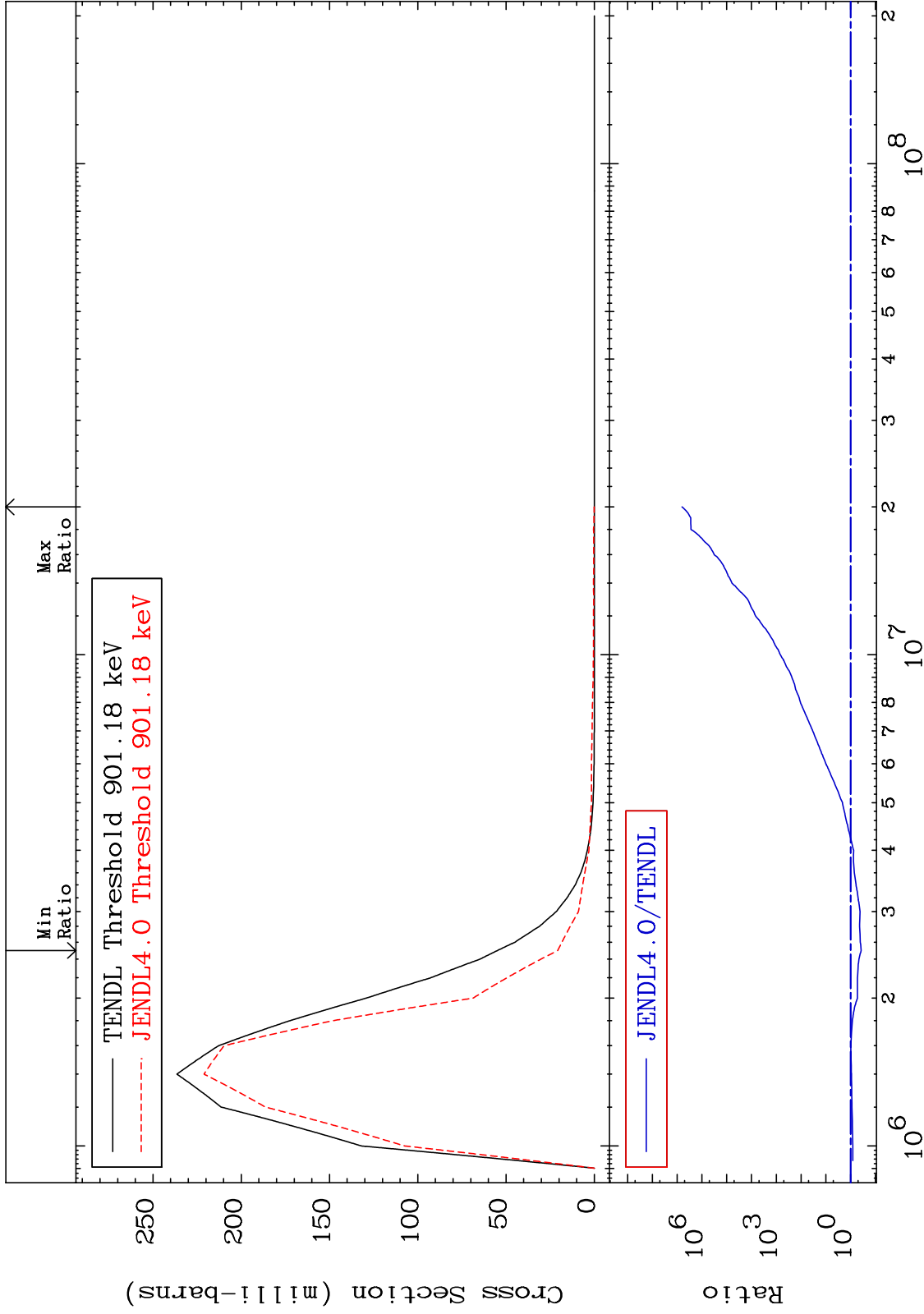
MAT 6843 MT= 54 (n,n') Level Cross Section 68-Er-168 -91.86 To 5.267 %



MAT 6843

MT= 55 (n,n') Level  
Cross Section

68-Er-168  
-62.28 To 9999. %

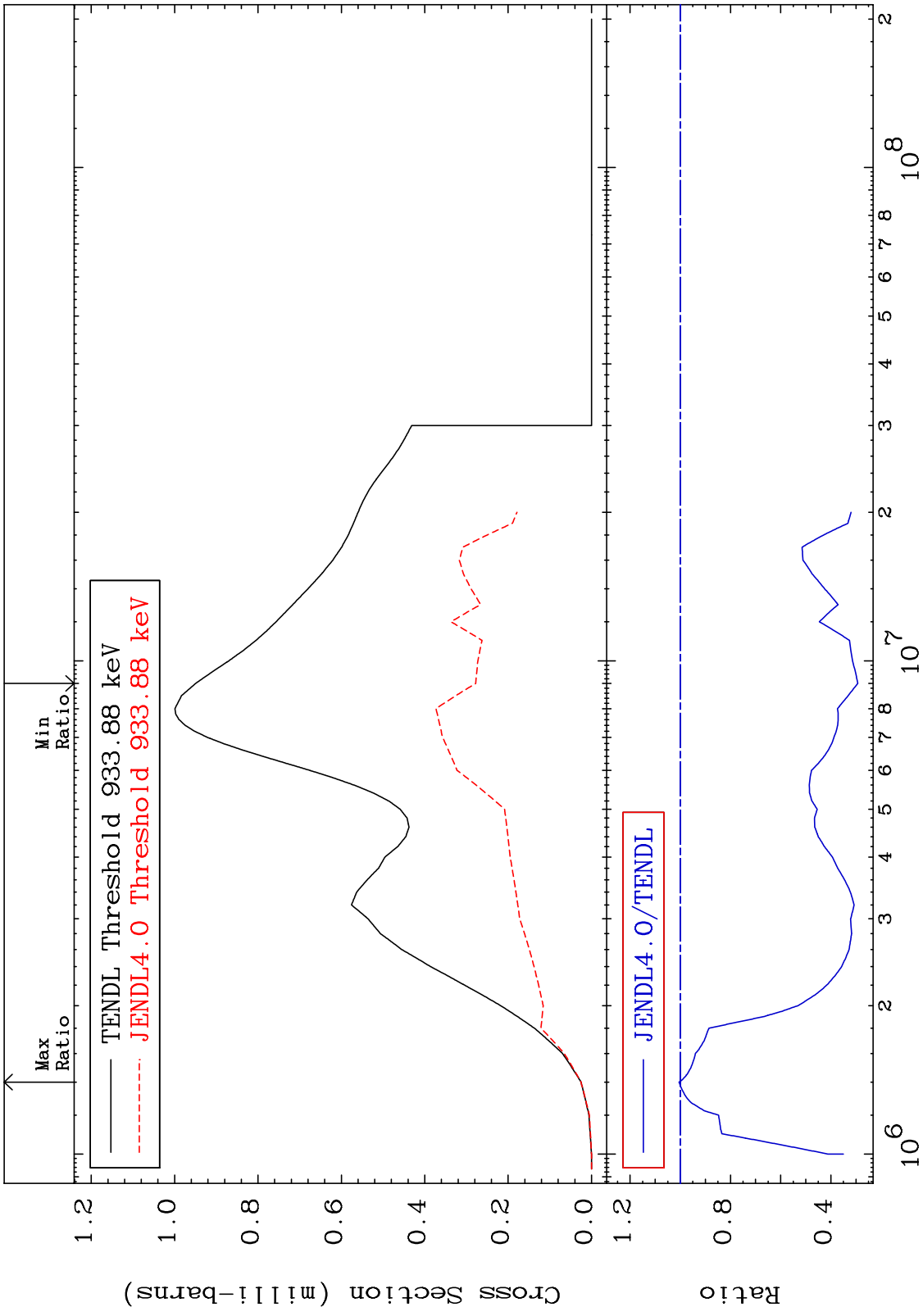


Incident Energy (eV)

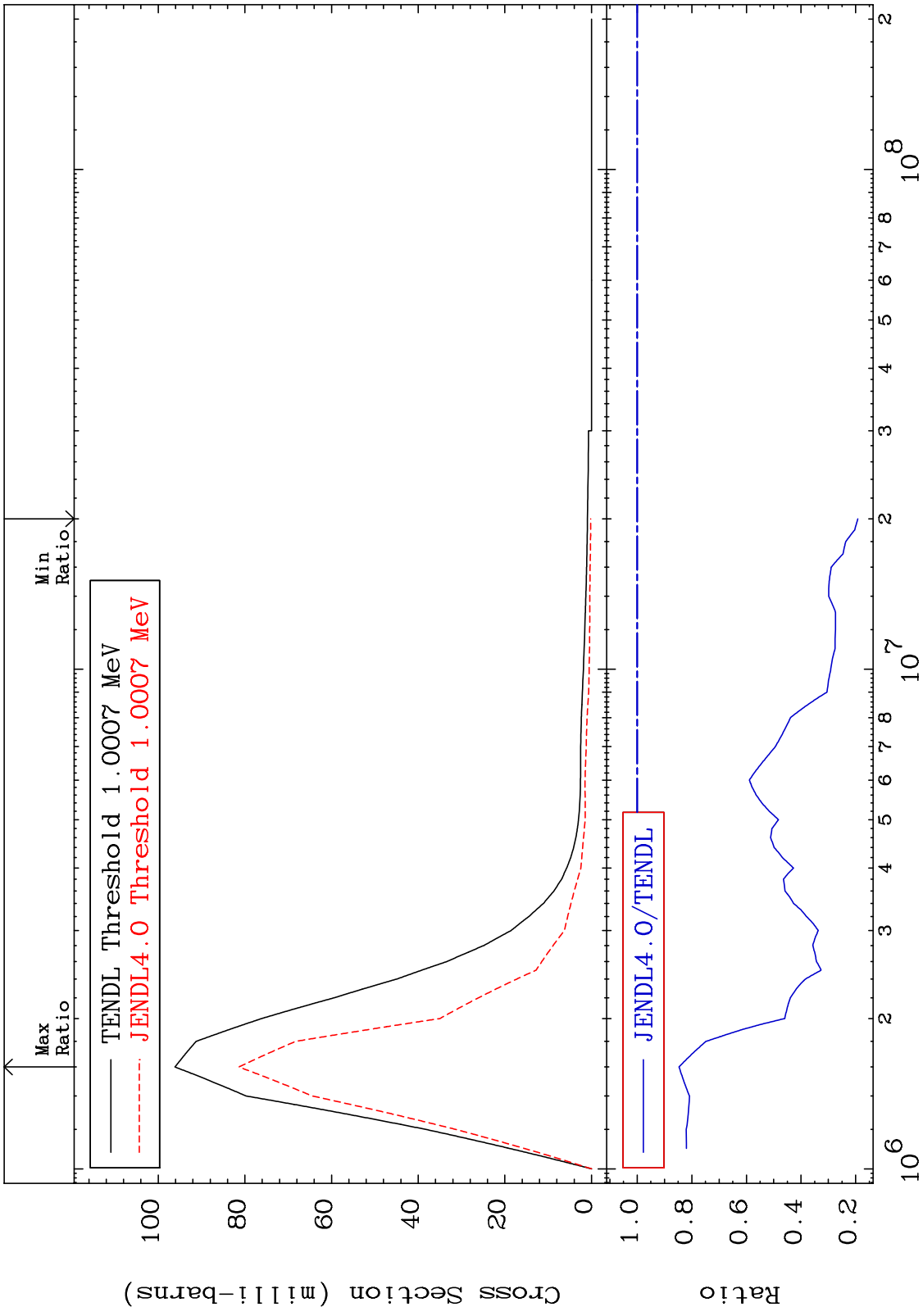
68-Er-168

13

MAT 6843 MT= 56 (n,n') Level 68-Er-168  
 Cross Section -70.75 To 0.494 %



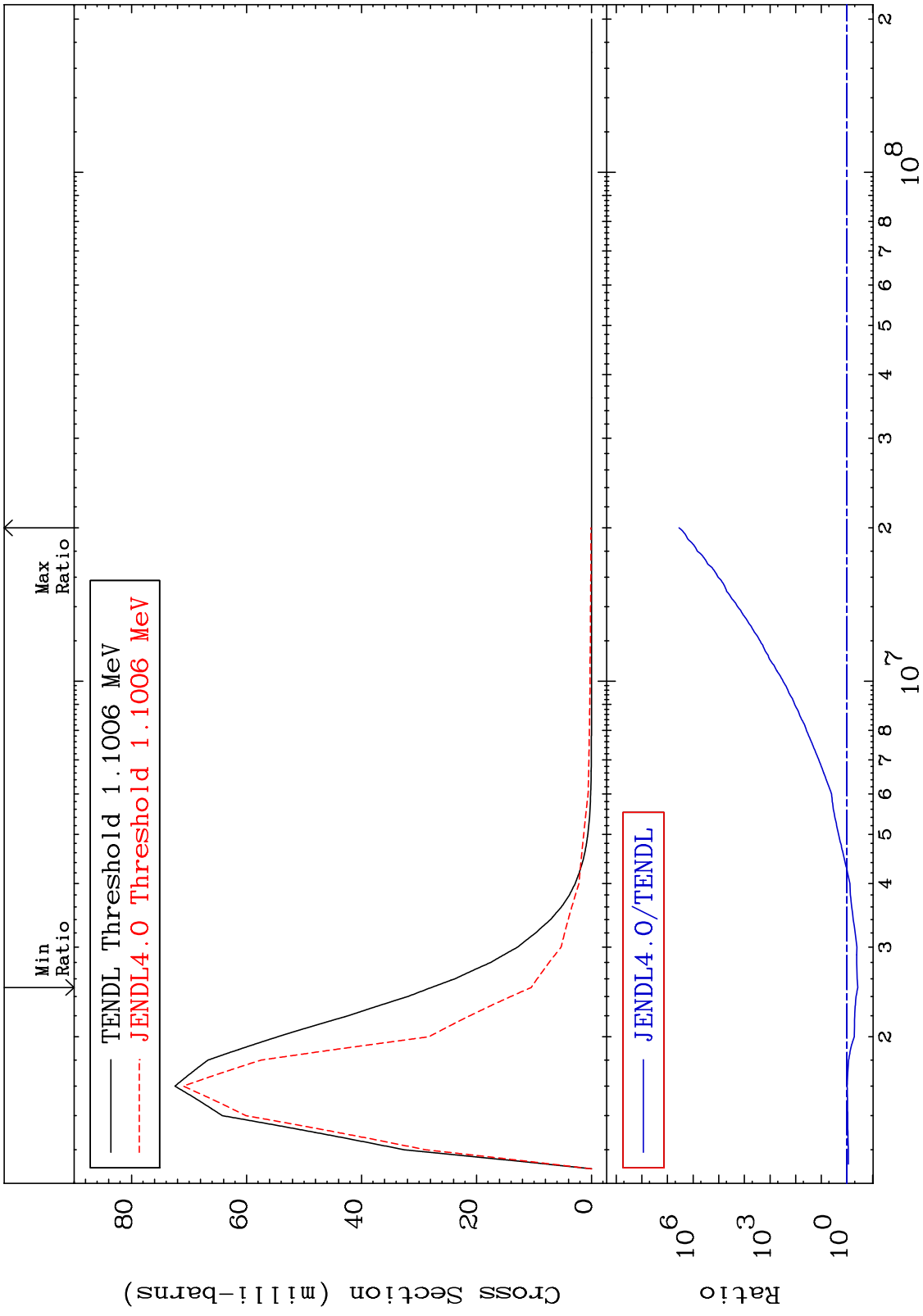
MAT 6843 MT= 57 (n,n') Level Cross Section 68-Er-168 -80.80 To -15.33%



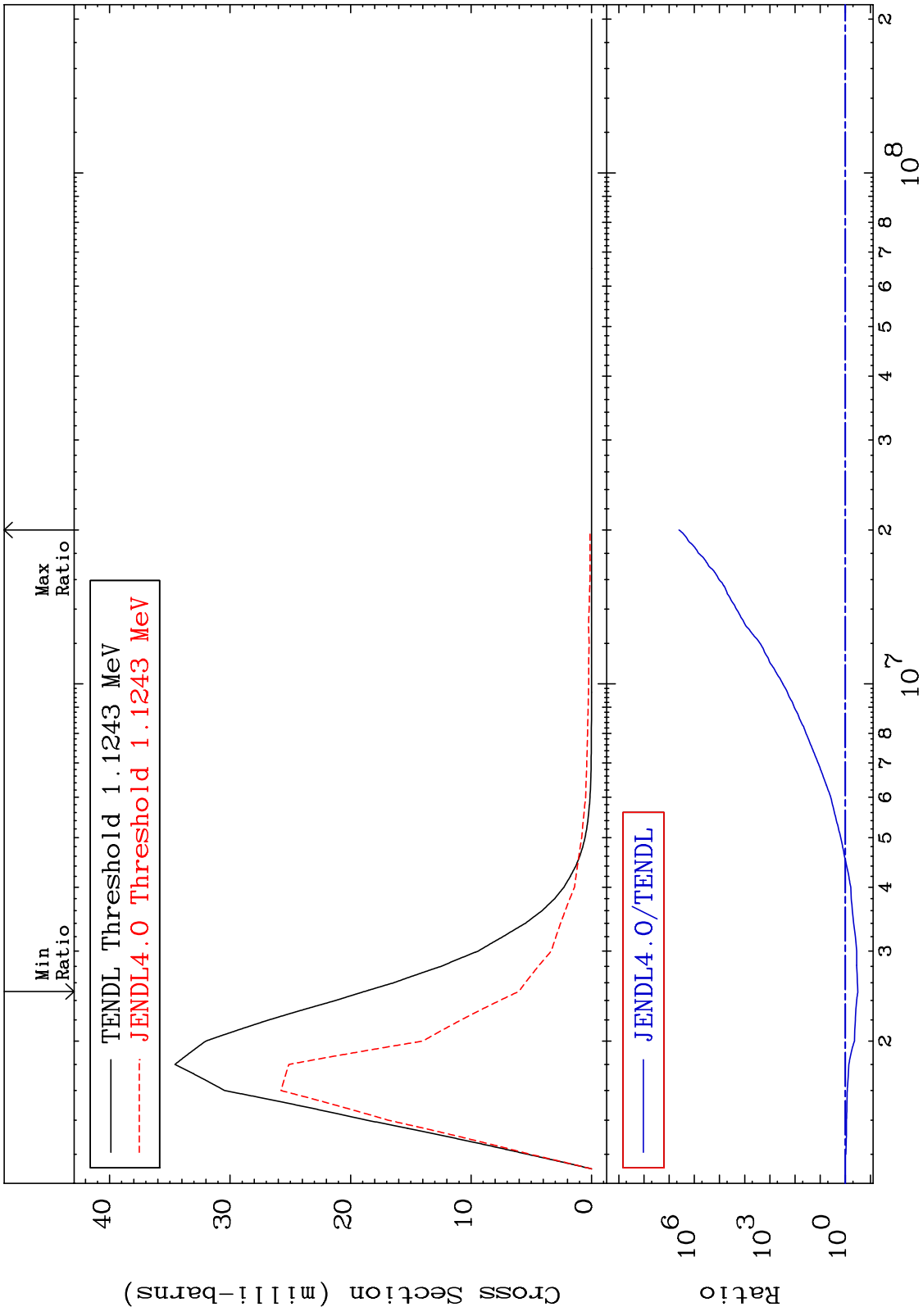
15 68-Er-168



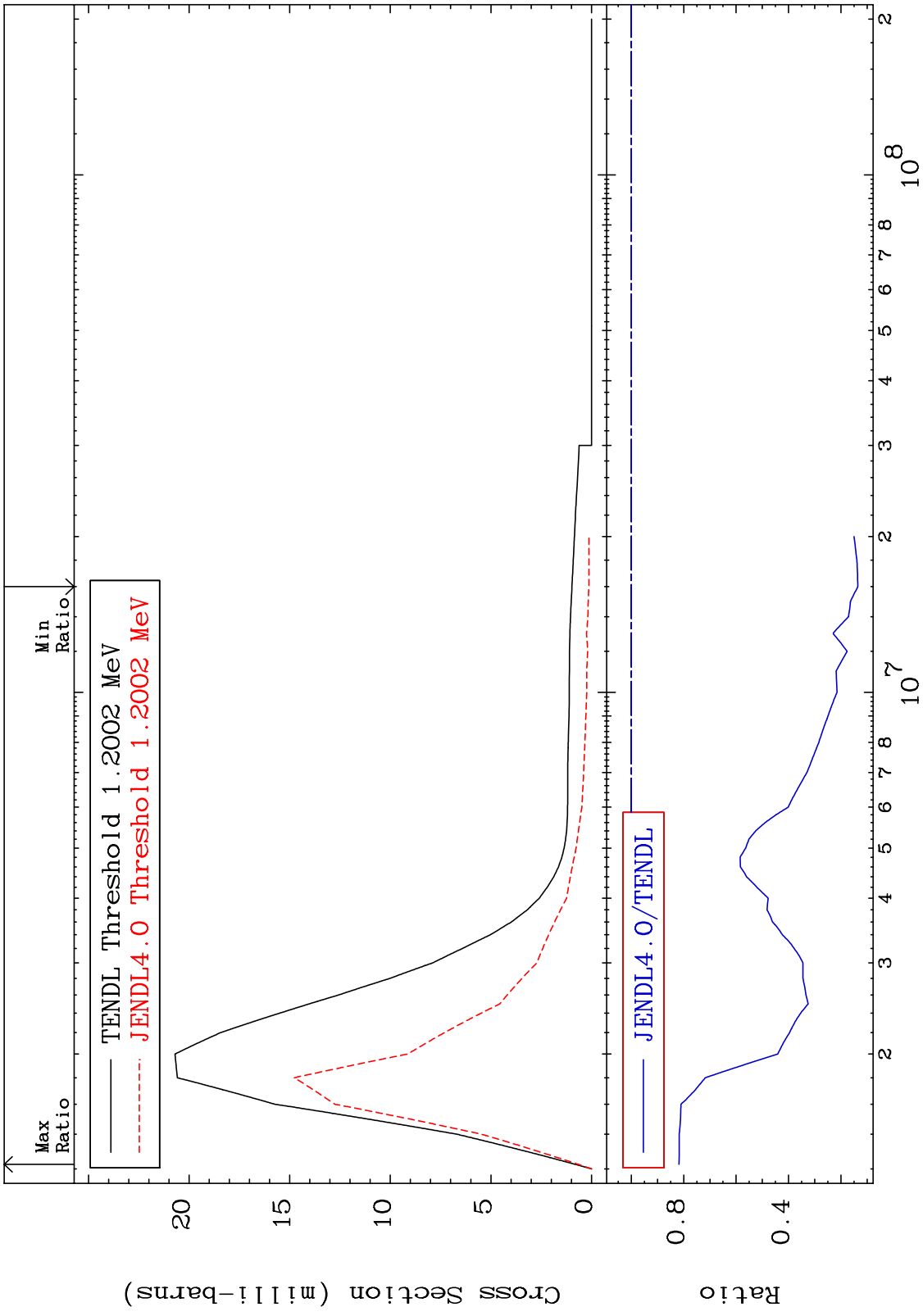
MAT 6843 MT= 58 (n,n') Level Cross Section 68-Er-168 -62.37 To 9999. %



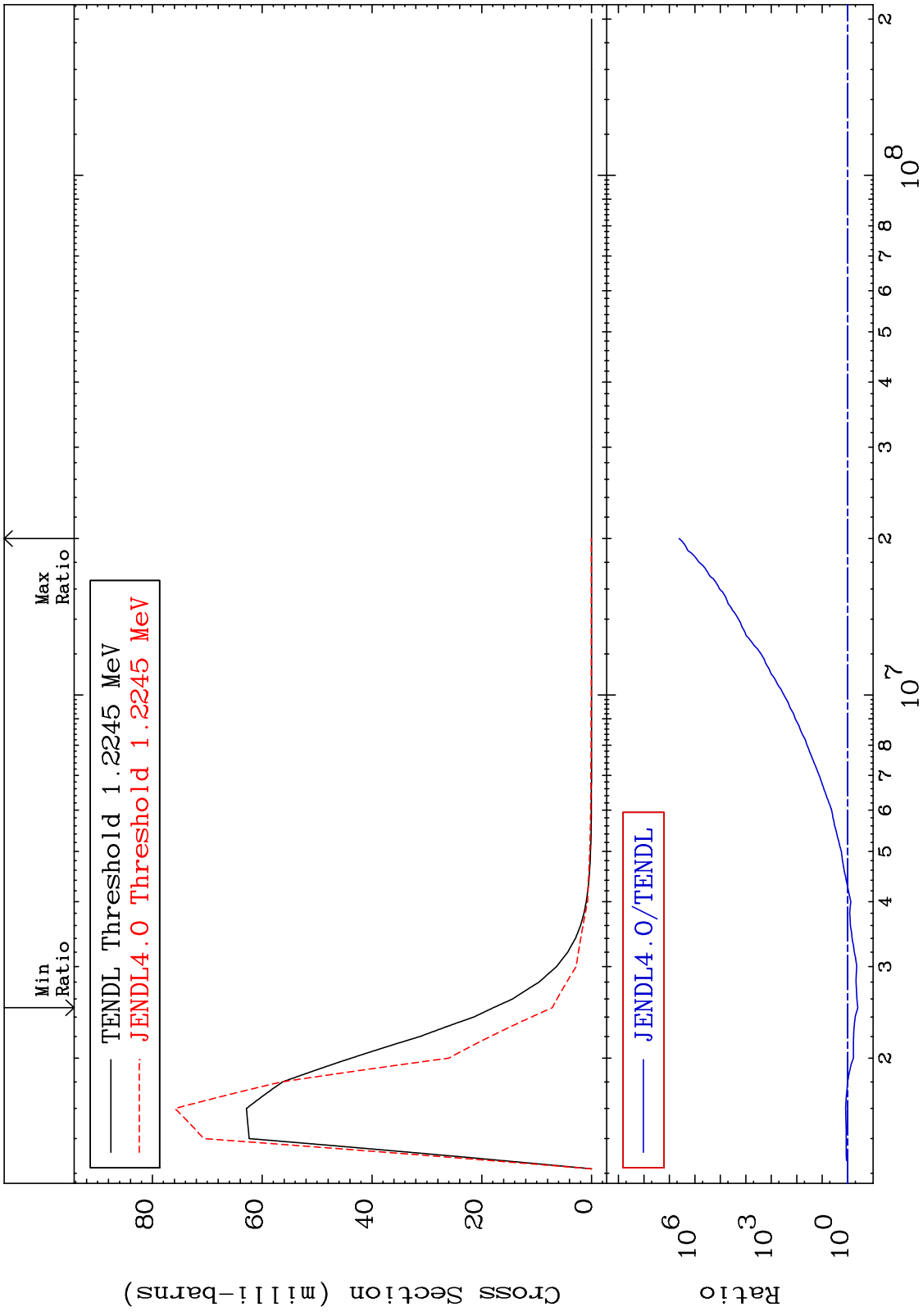
MAT 6843 MT= 59 (n, n') Level Cross Section 68-Er-168  
 -67.96 To 9999. %



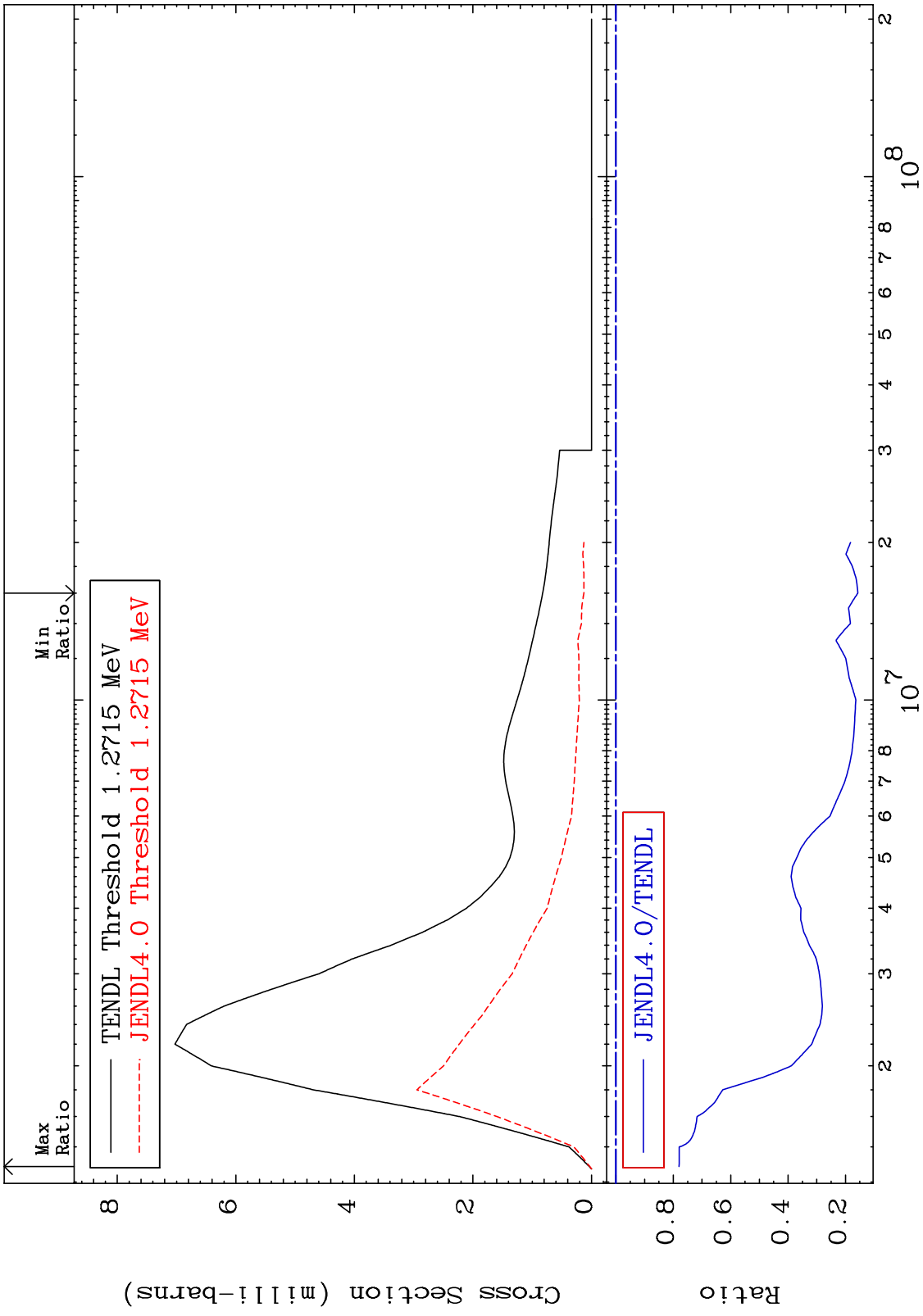
MAT 6843 MT= 60 (n,n') Level Cross Section 68-Er-168 -86.46 To -18.22%



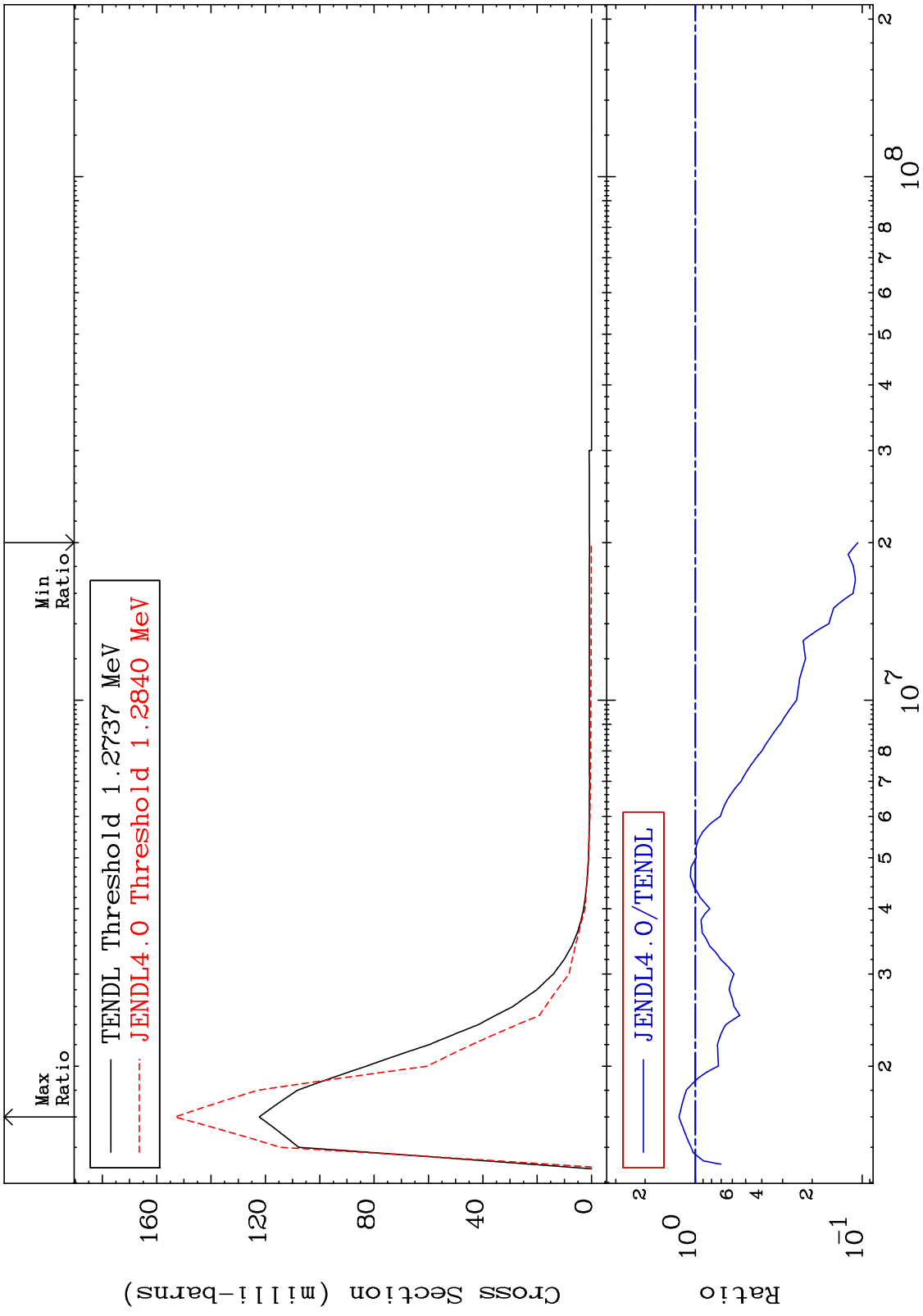
MAT 6843 MT= 61 (n,n') Level Cross Section 68-Er-168  
 -60.04 To 9999. %



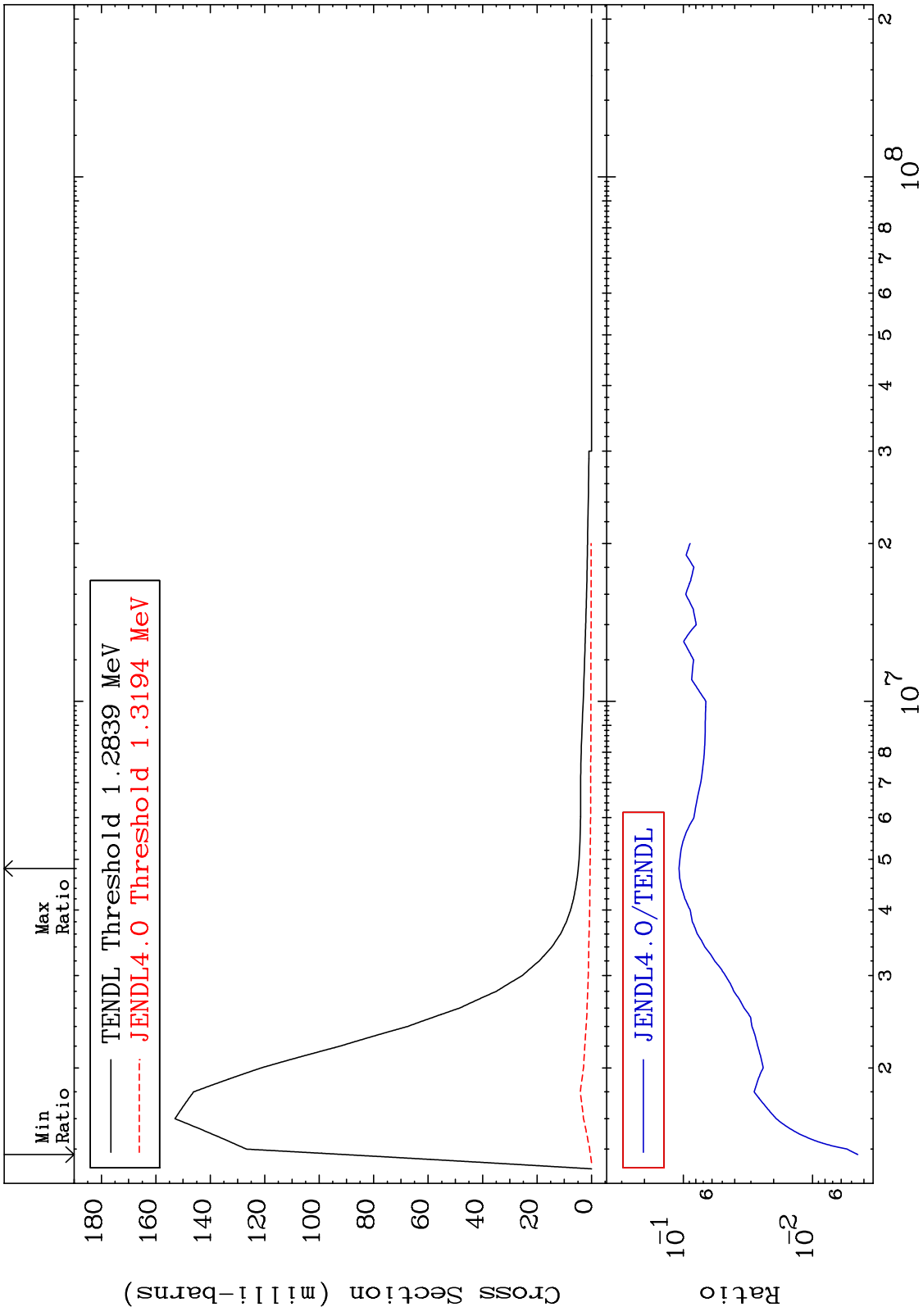
MAT 6843 MT= 62 (n,n') Level Cross Section 68-Er-168 -84.30 To -22.00%



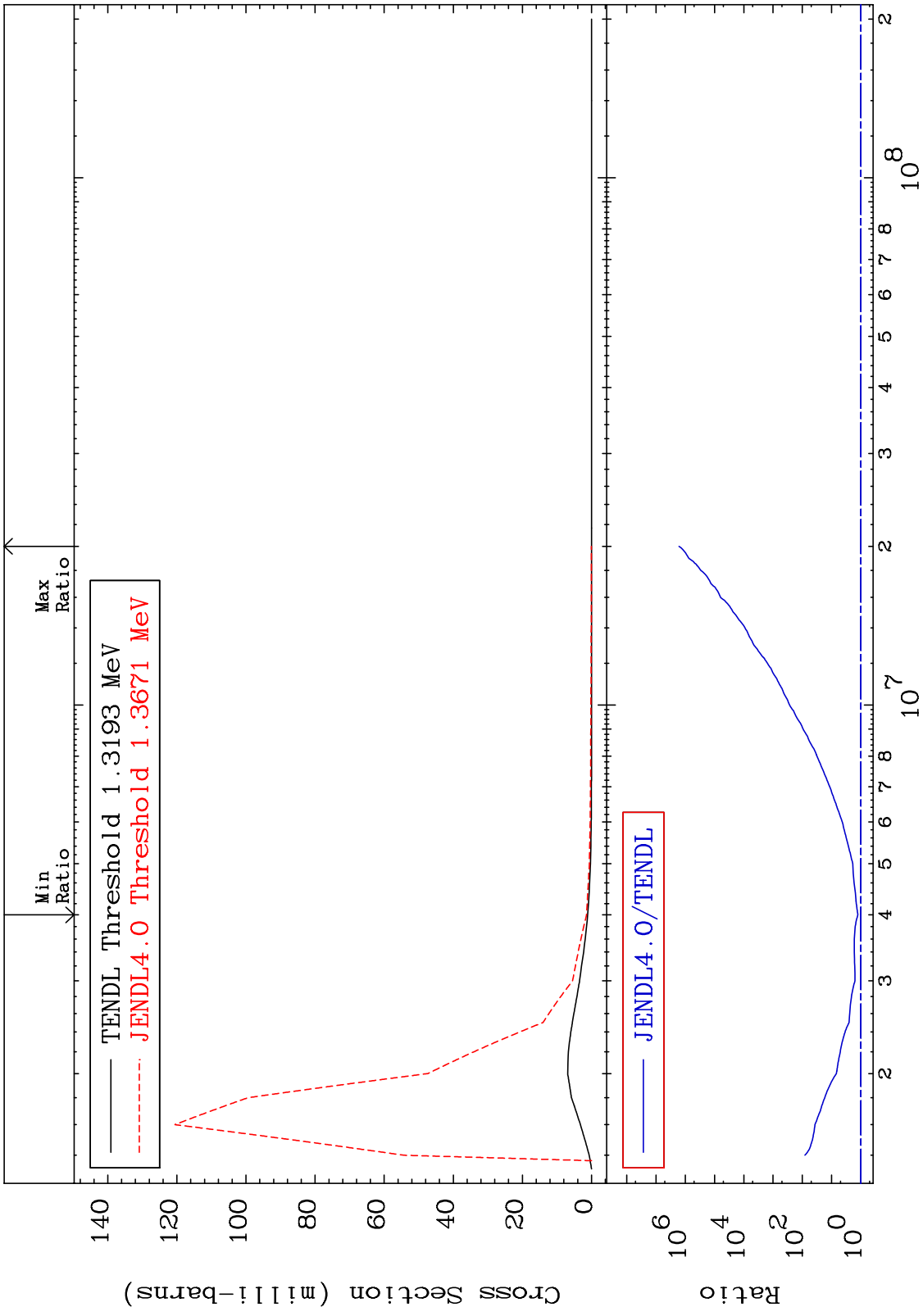
MAT 6843 MT= 63 (n,n') Level Cross Section 68-Er-168 -89.37 To 25.35 %



MAT 6843 MT= 64 (n,n') Level Cross Section 68-Er-168 -99.55 To -89.21%



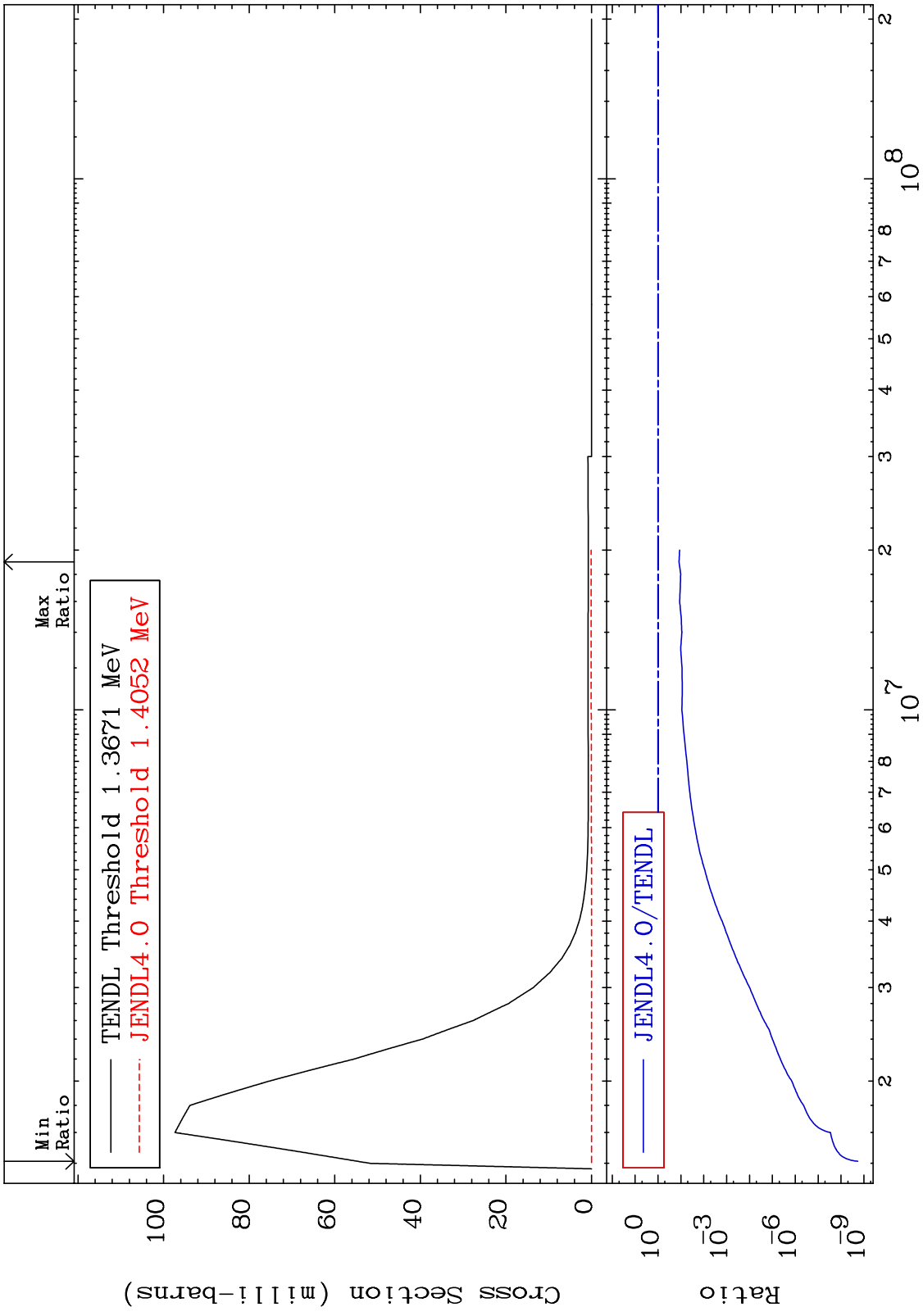
MAT 6843 MT= 65 (n,n') Level Cross Section 68-Er-168 27.03 To 9999. %



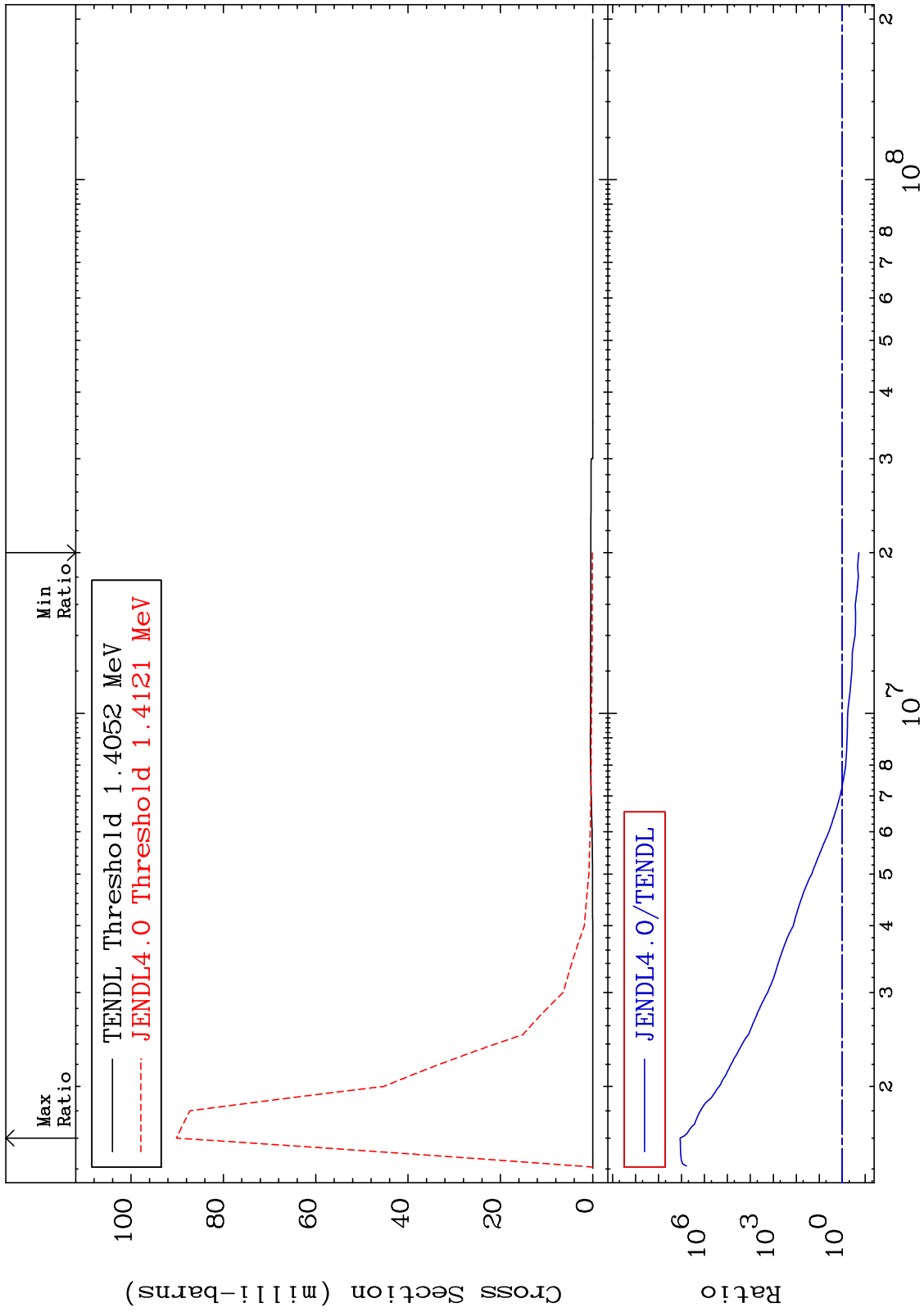
23 68-Er-168 Incident Energy (eV)



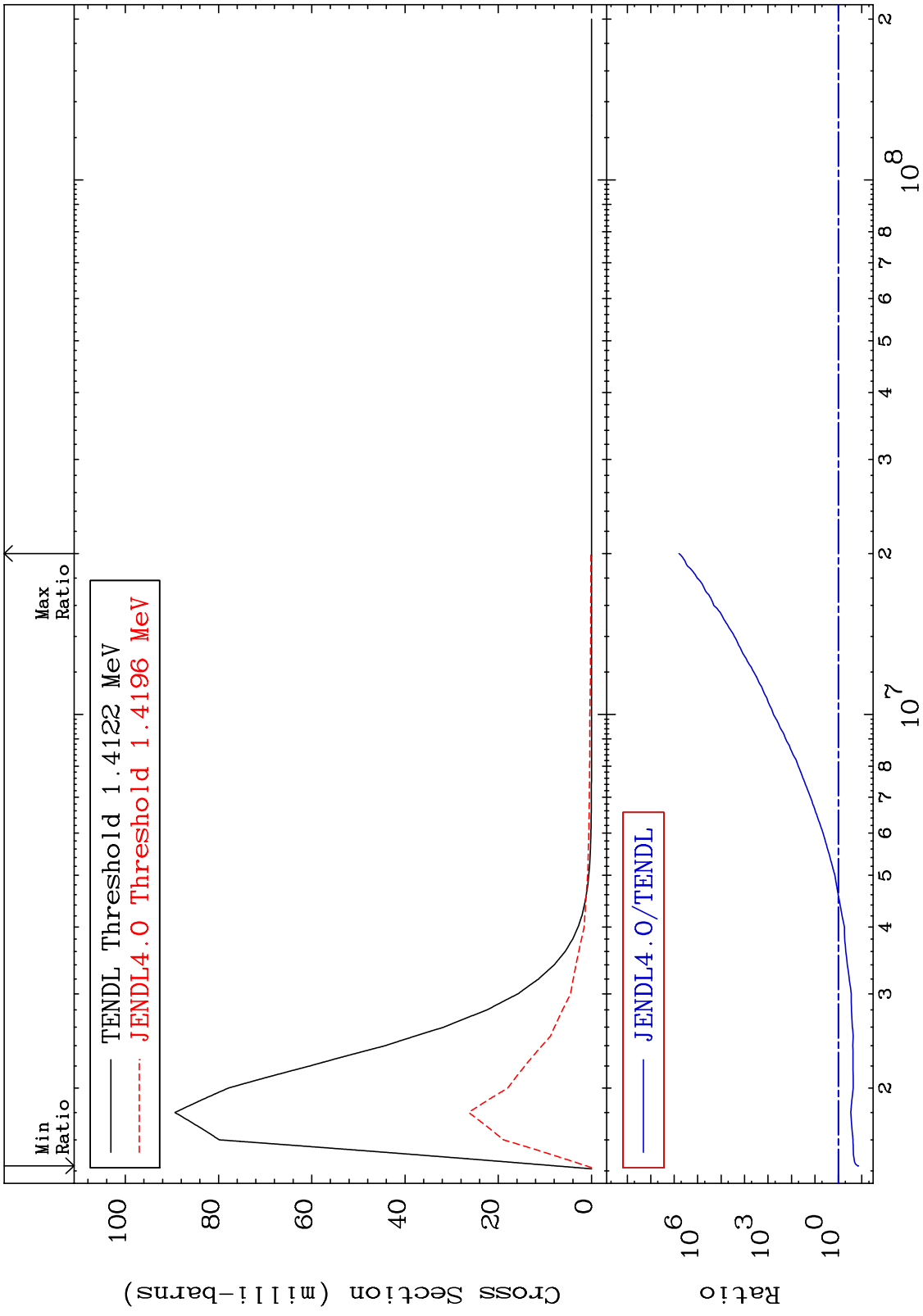
MAT 6843 MT= 66 (n,n') Level Cross Section 68-Er-168 -100.0 To -88.02%



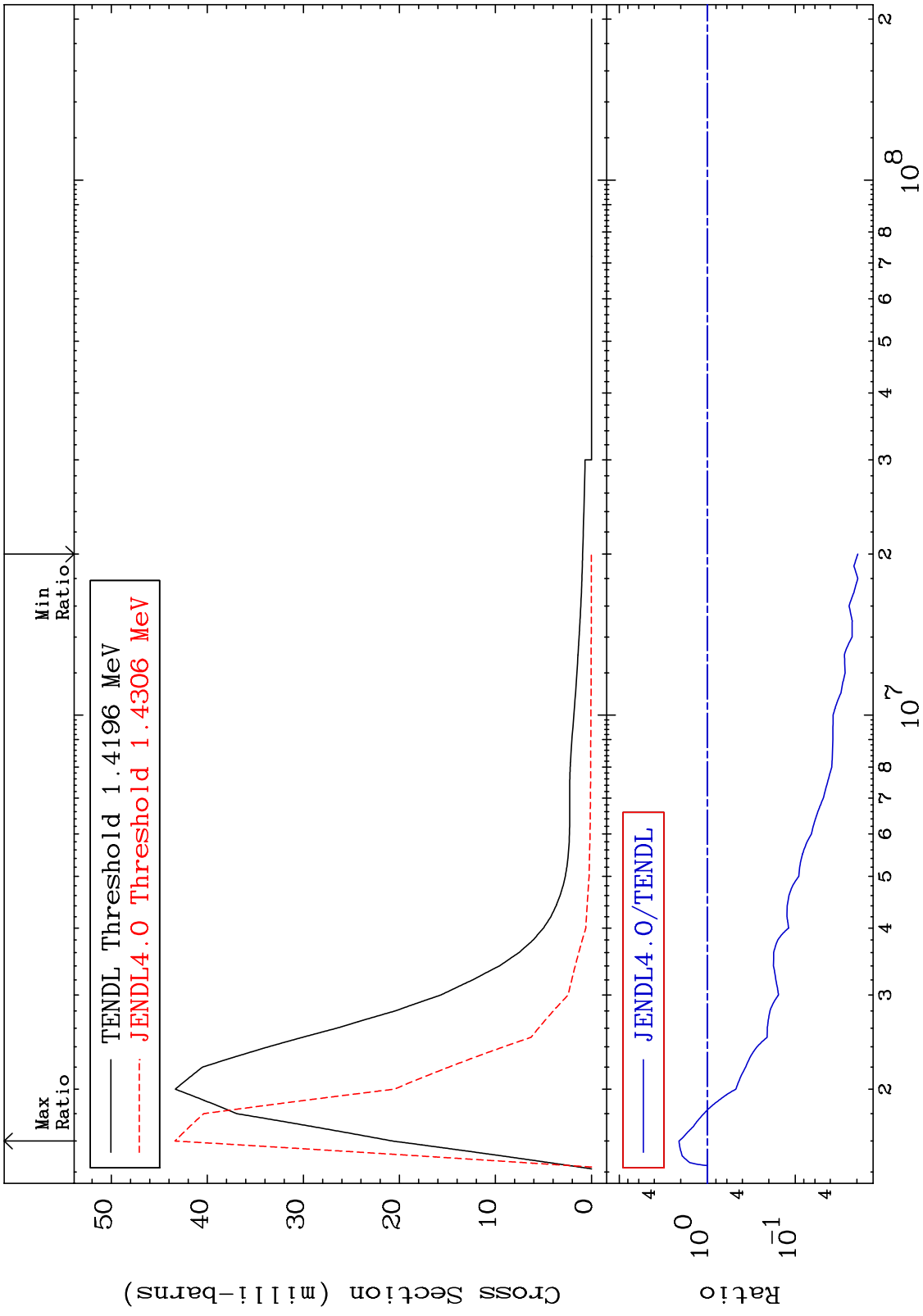
MAT 6843 MT= 67 (n,n') Level Cross Section 68-Er-168 -81.20 To 9999. %



MAT 6843 MT= 68 (n,n') Level Cross Section 68-Er-168 -85.26 To 9999. %



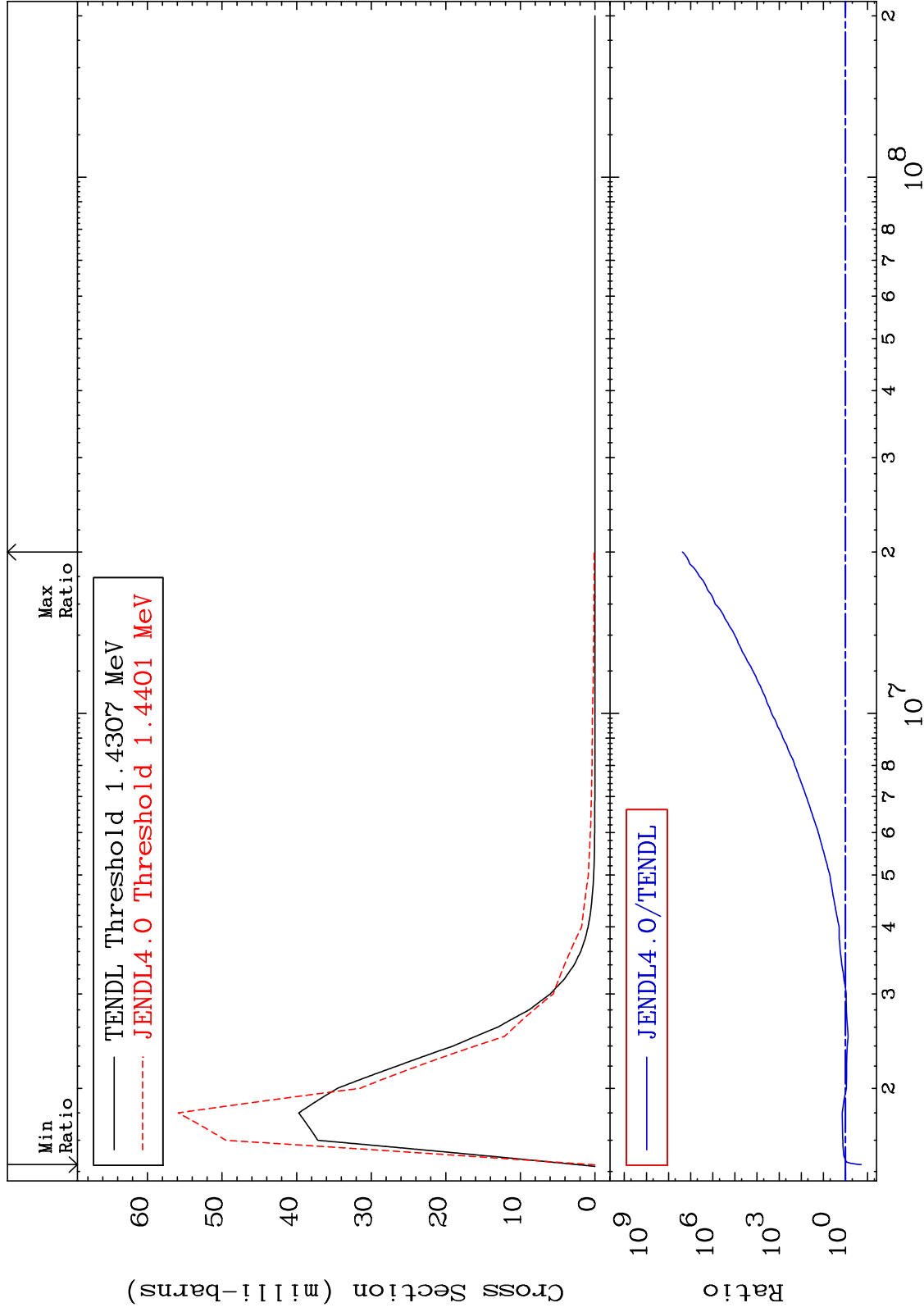
MAT 6843 MT= 69 (n,n') Level Cross Section 68-Er-168 -98.05 To 109.3 %



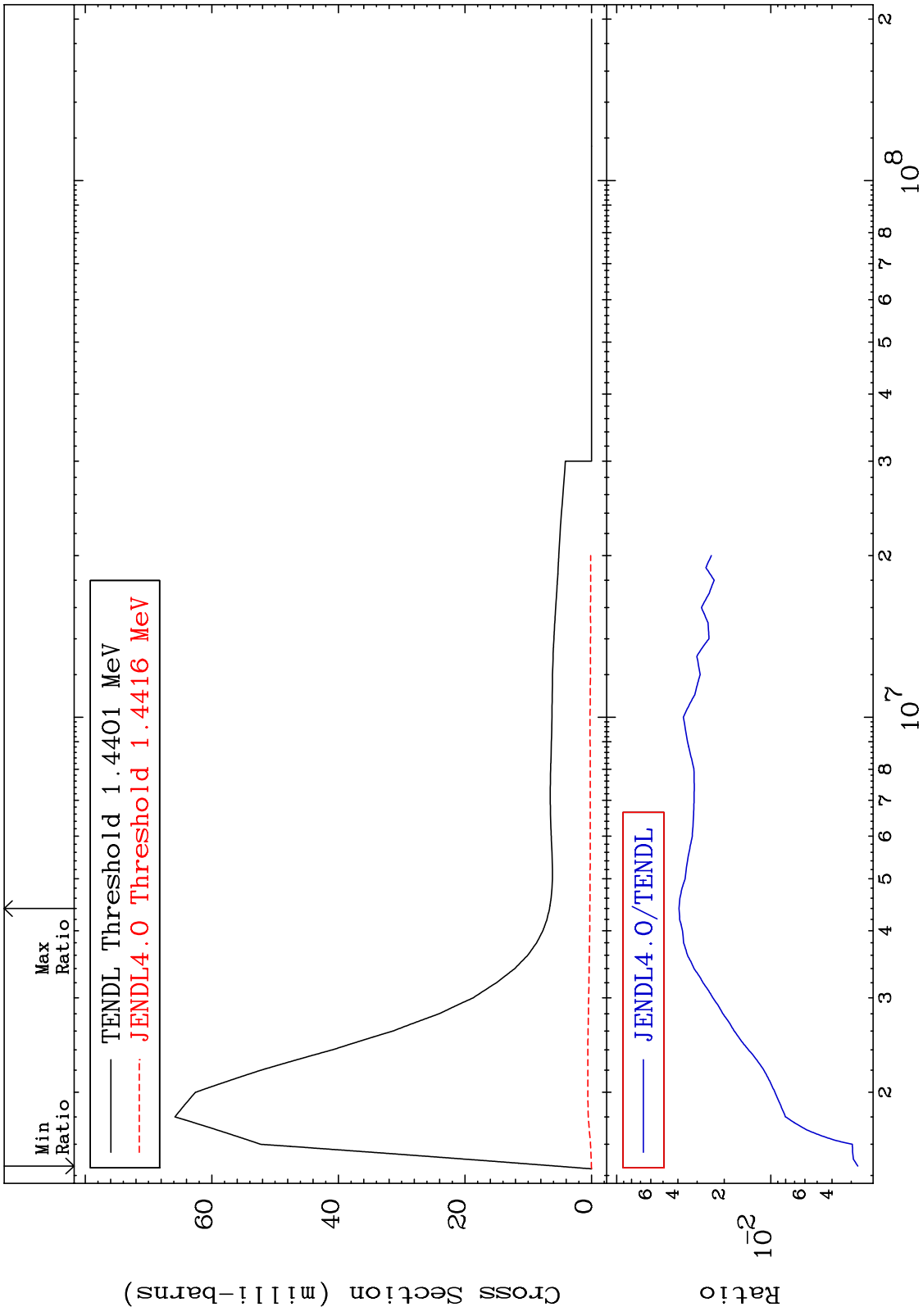
MAT 6843

MT= 70 (n,n') Level  
Cross Section

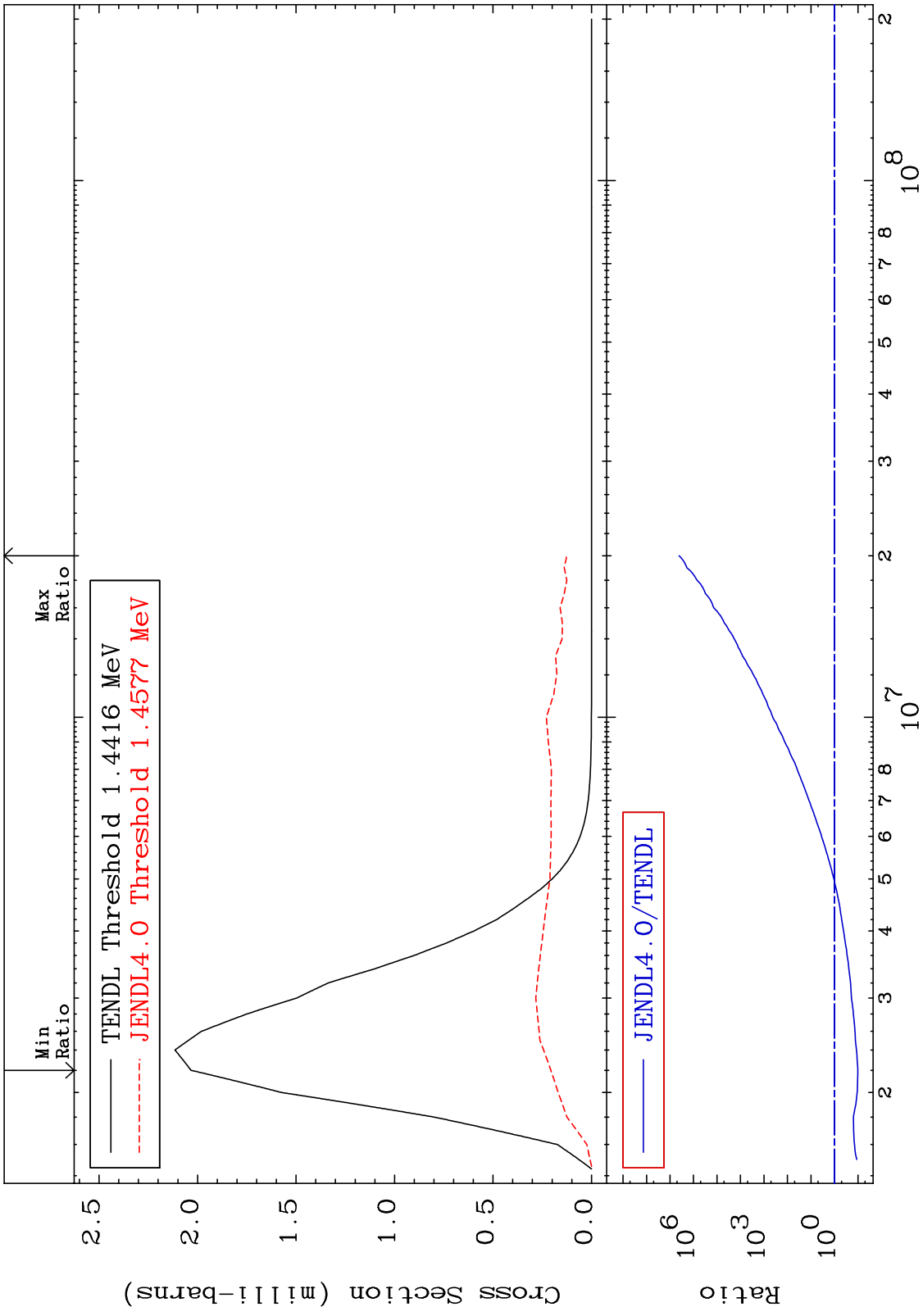
68-Er-168  
-80.55 To 9999. %



MAT 6843 MT= 71 (n,n') Level Cross Section 68-Er-168 -99.73 To -96.06%



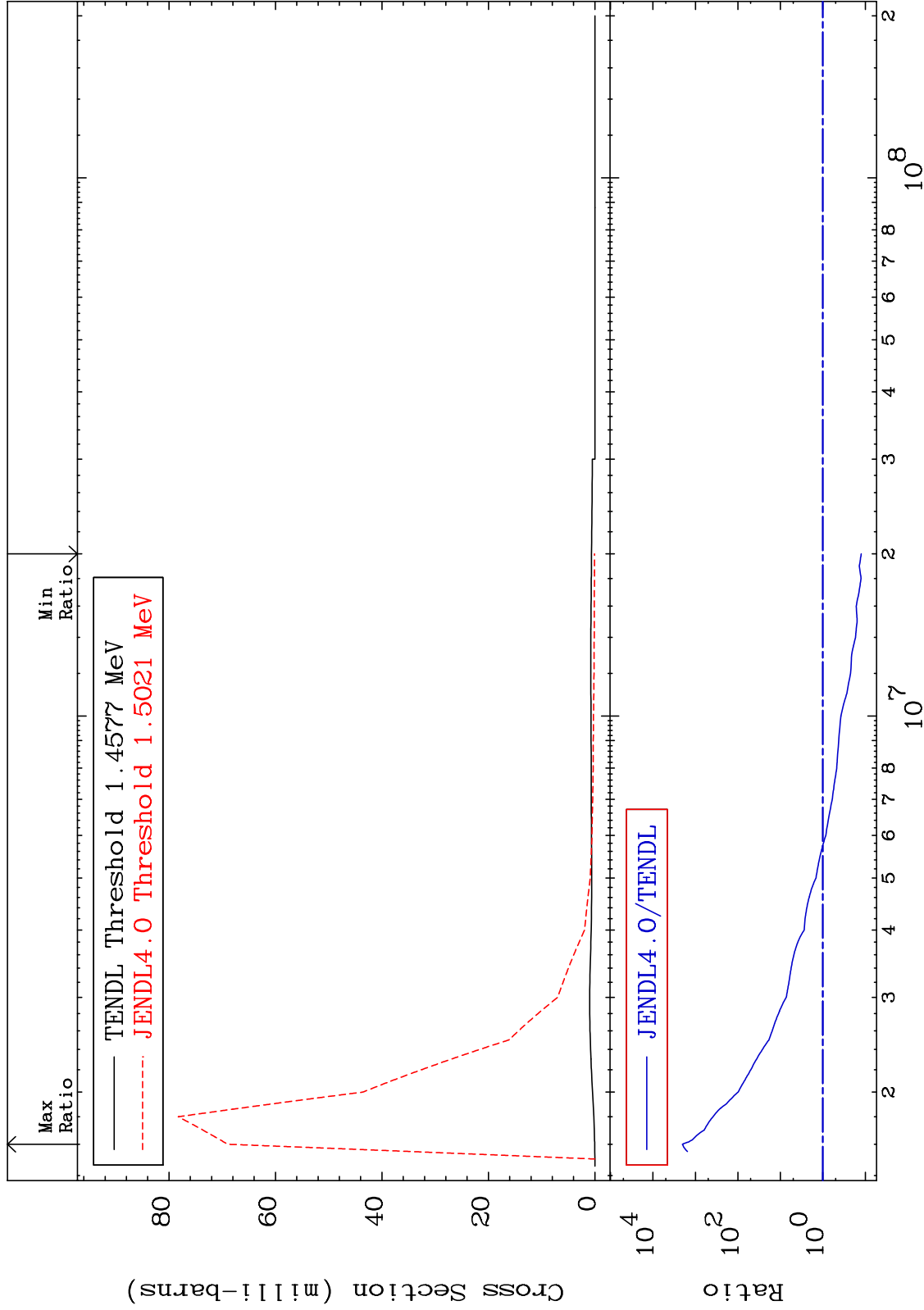
MAT 6843      MT= 72 (n,n') Level Cross Section      68-Er-168  
 -89.85 To 9999. %



MAT 6843

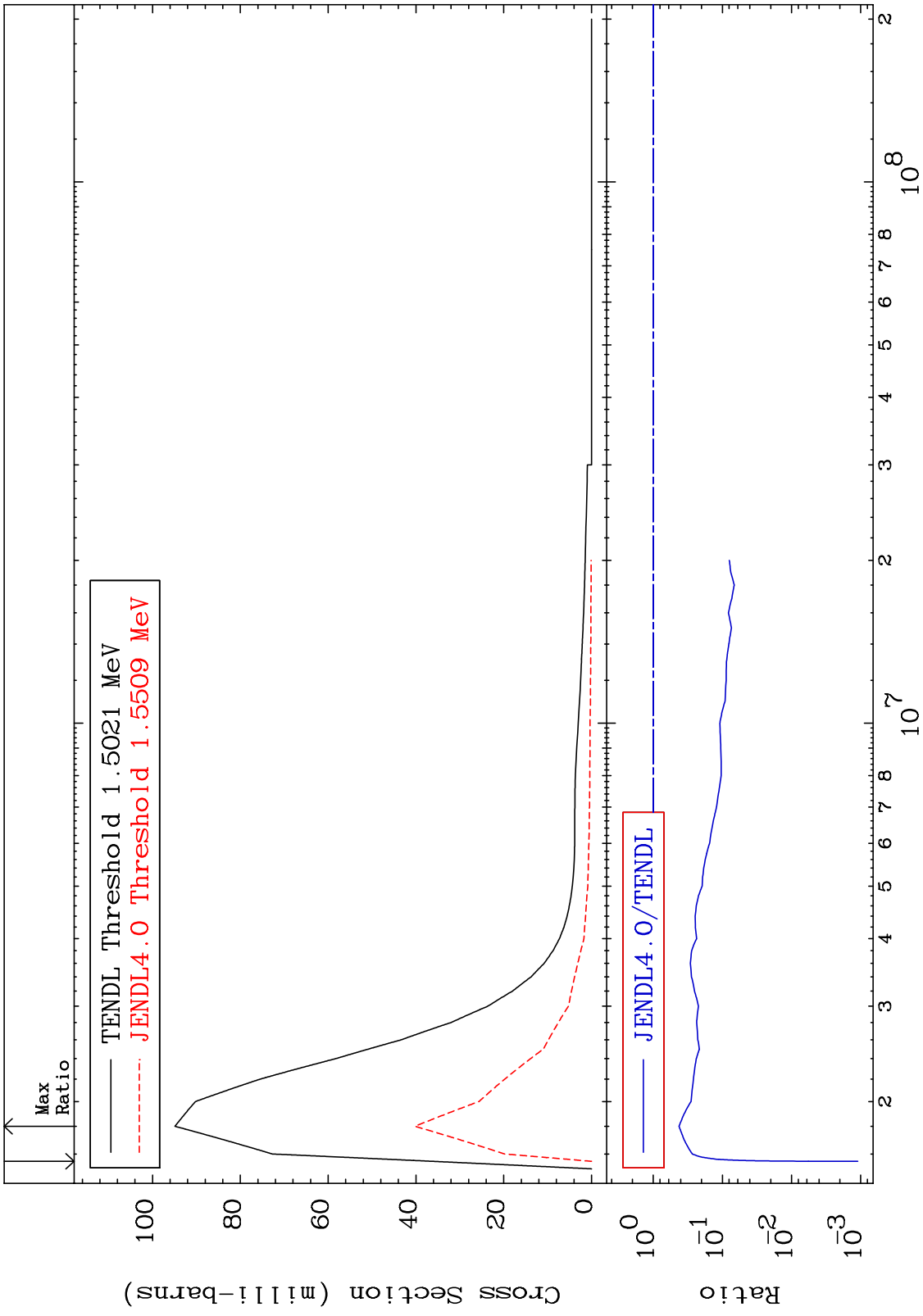
MT= 73 (n,n') Level  
Cross Section

68-Er-168  
-87.57 To 9999. %

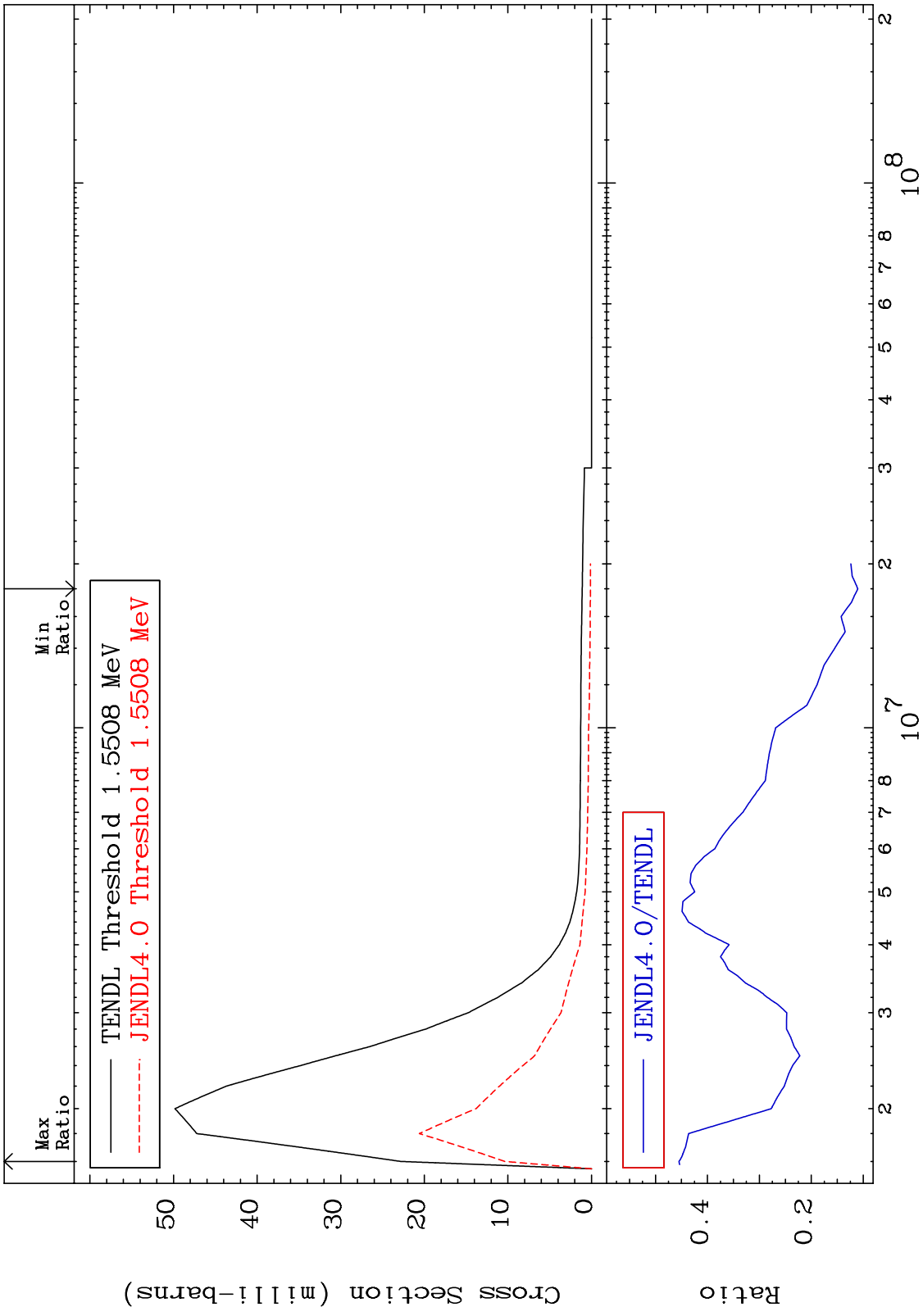




MAT 6843 MT= 74 (n,n') Level Cross Section 68-Er-168  
 -99.89 To -57.62%



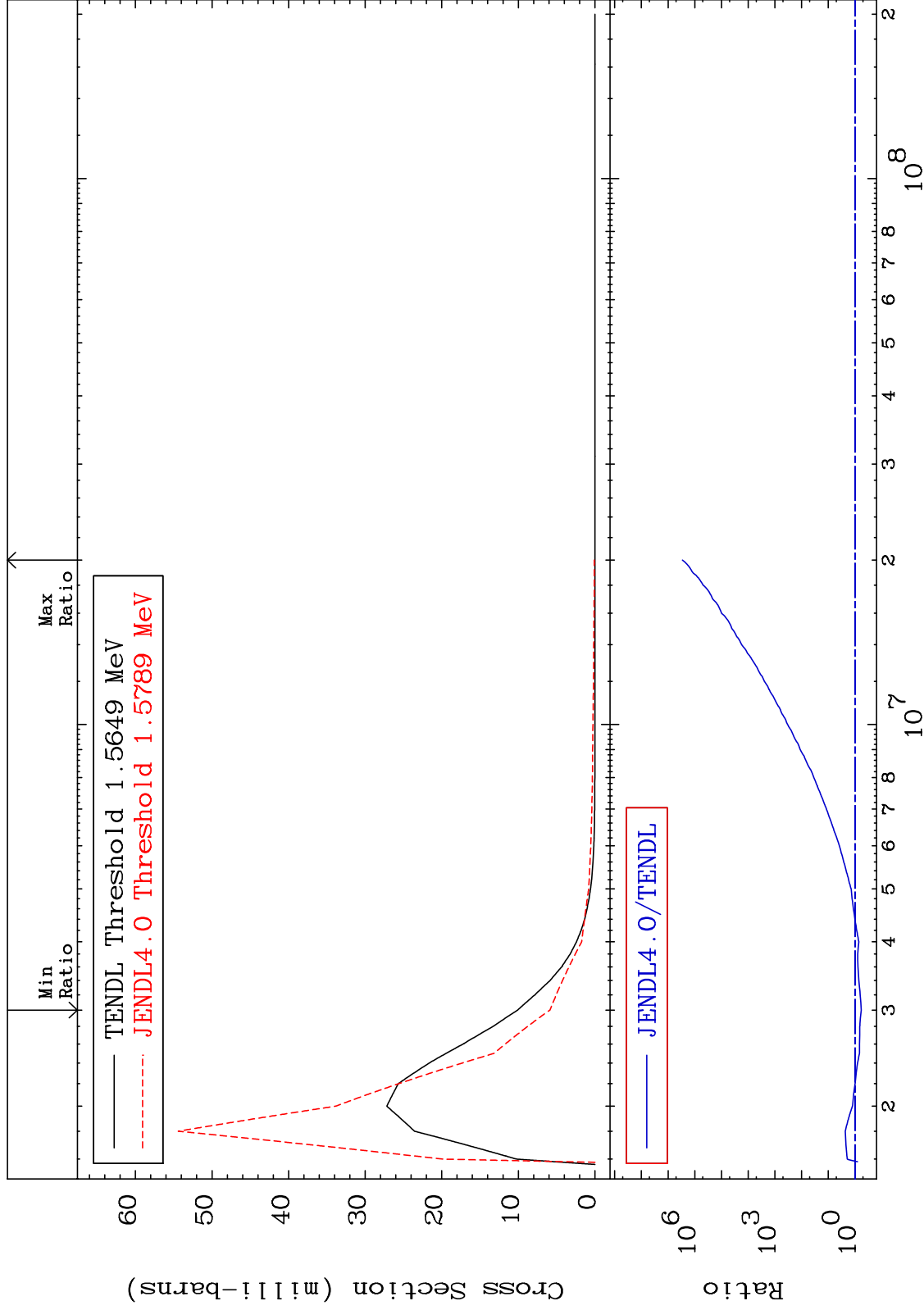
MAT 6843 MT= 75 (n,n') Level Cross Section 68-Er-168  
 -88.95 To -54.54%



MAT 6843

MT= 76 (n,n') Level  
Cross Section

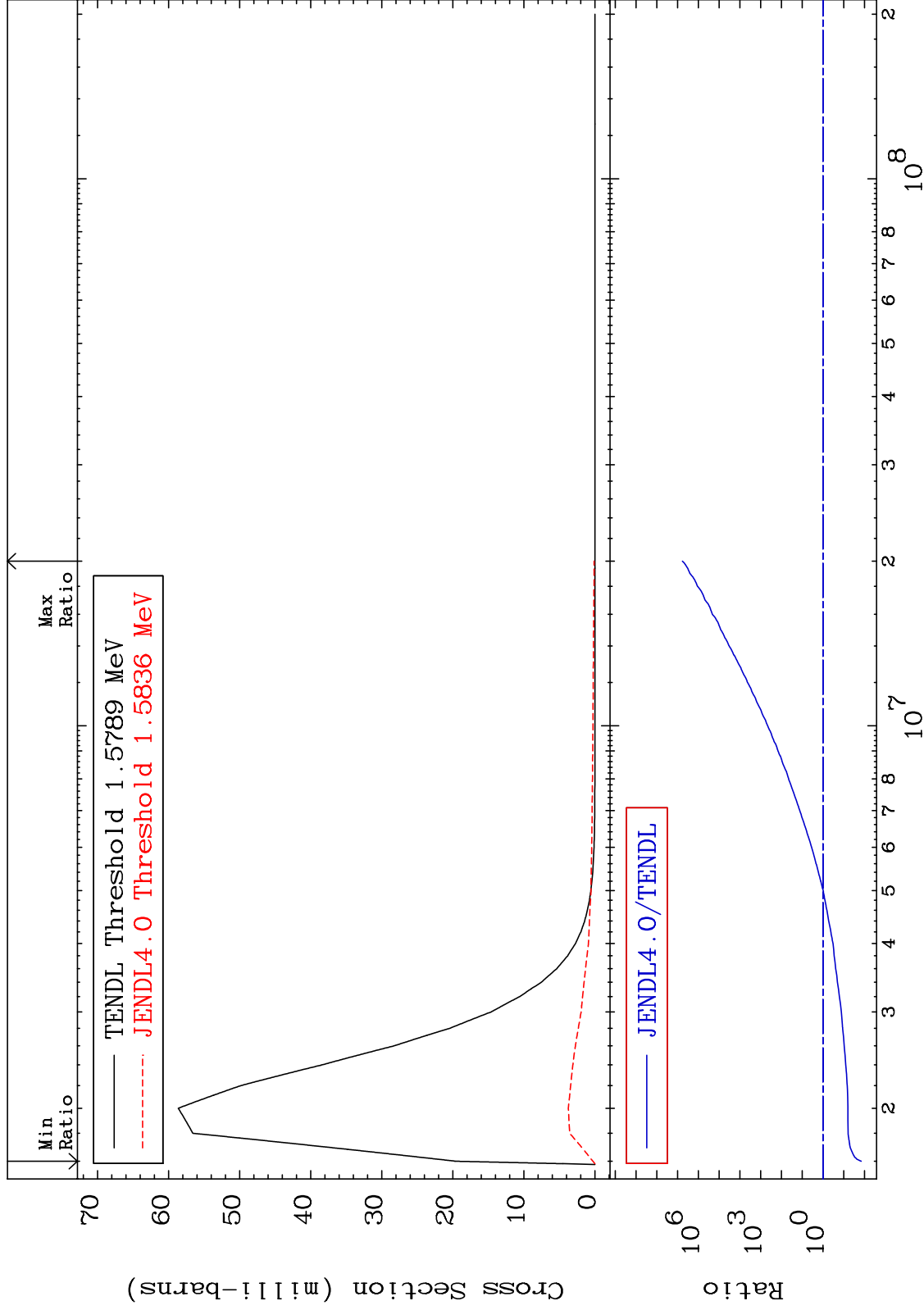
68-Er-168  
-41.80 To 9999. %



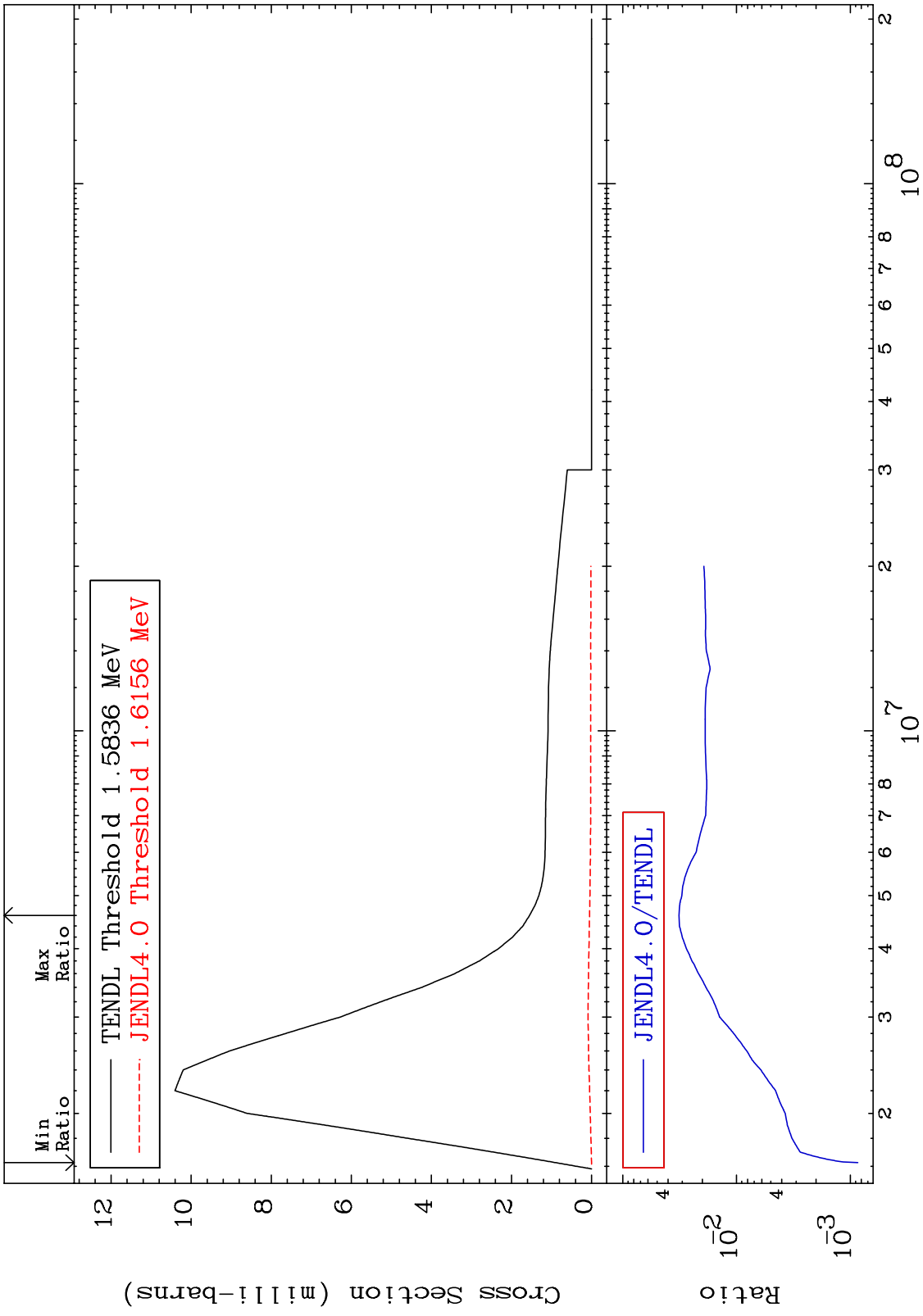
MAT 6843

MT= 77 (n,n') Level  
Cross Section

68-Er-168  
-98.55 To 9999. %



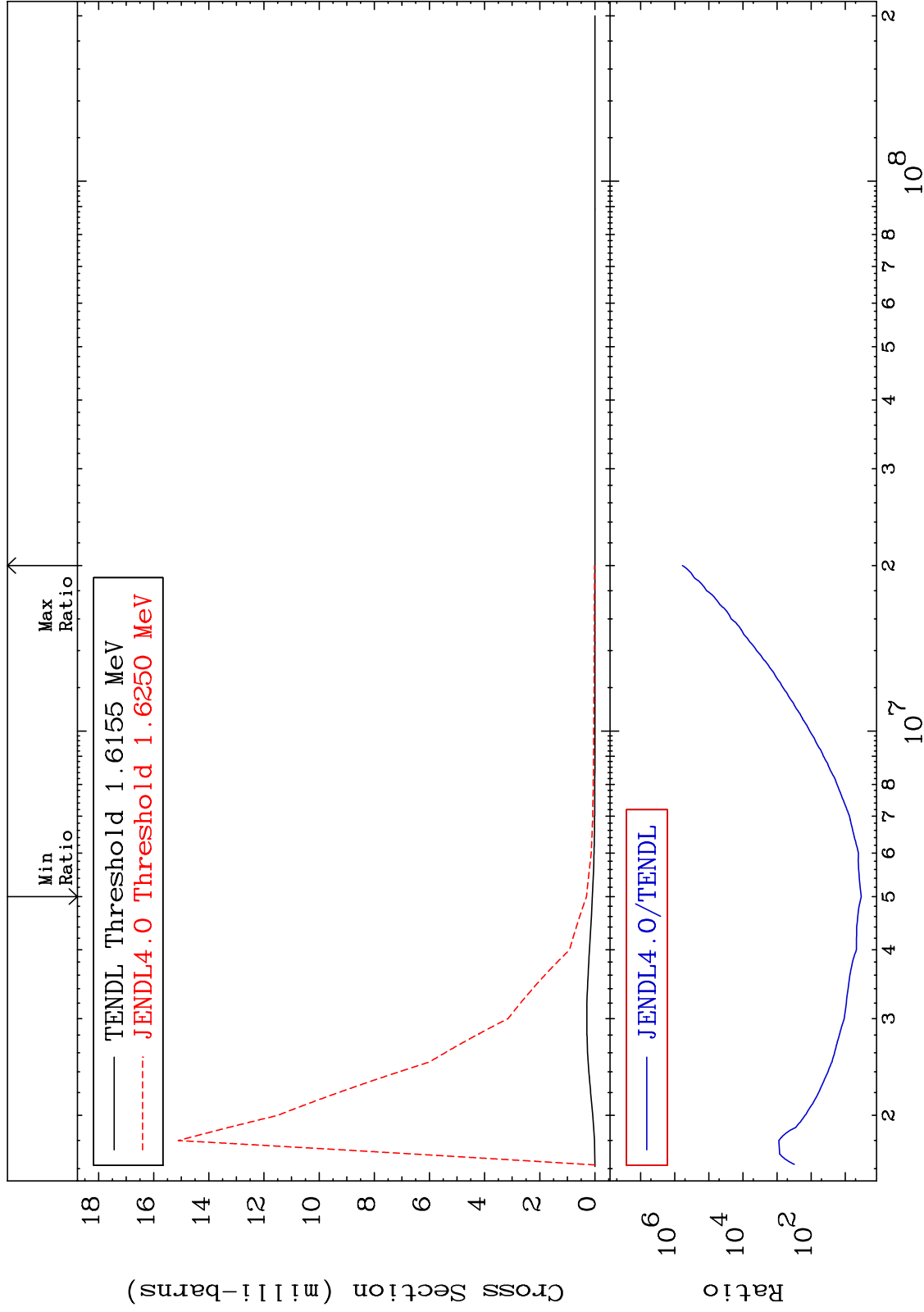
MAT 6843 MT= 78 (n,n') Level Cross Section 68-Er-168 -99.91 To -96.80%



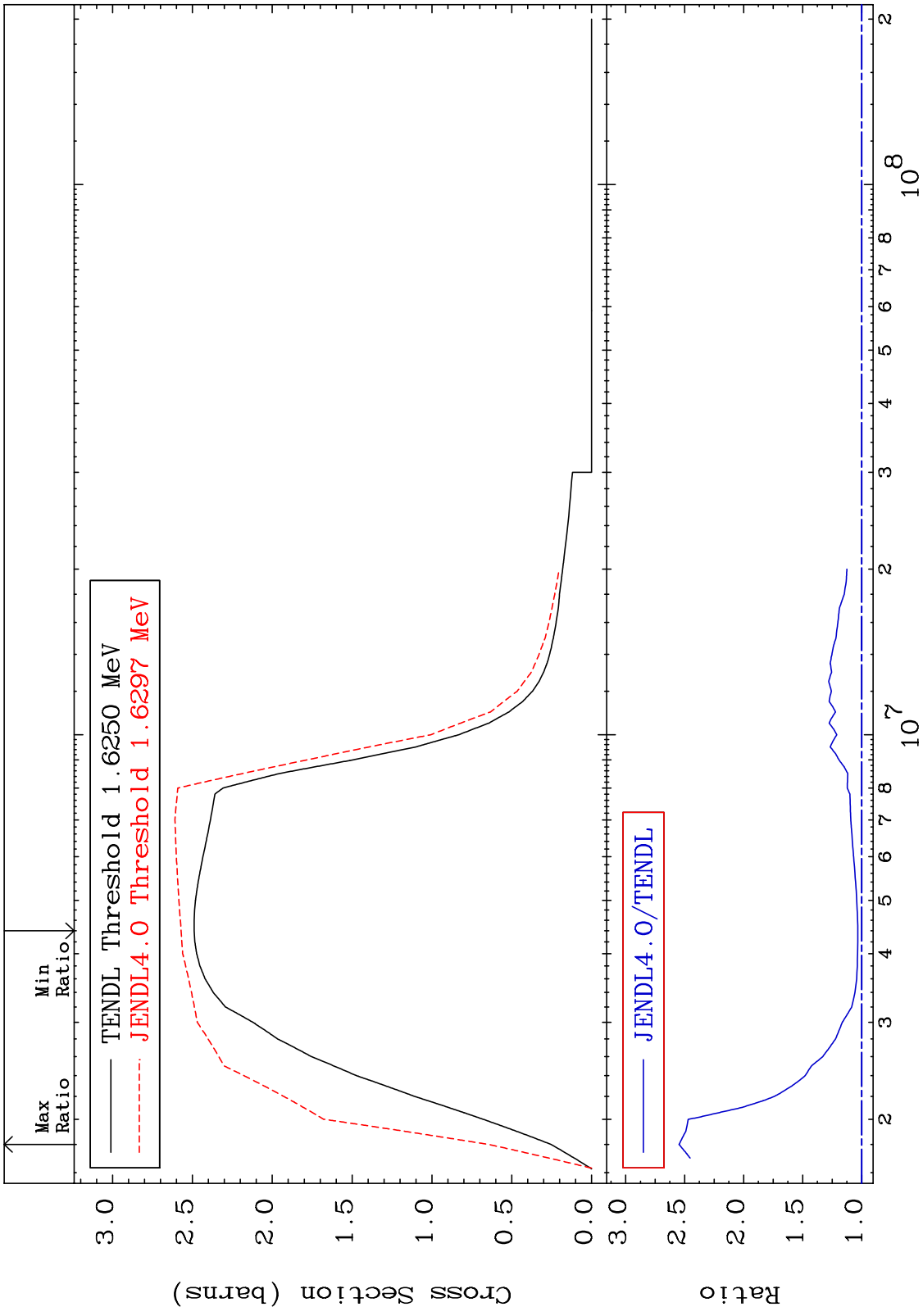
MAT 6843

MT= 79 (n,n') Level  
Cross Section

68-Er-168  
239.3 To 9999. %



MAT 6843 (n, n') Continuum Cross Section 68-Er-168 To 154.8 %  
 3.258



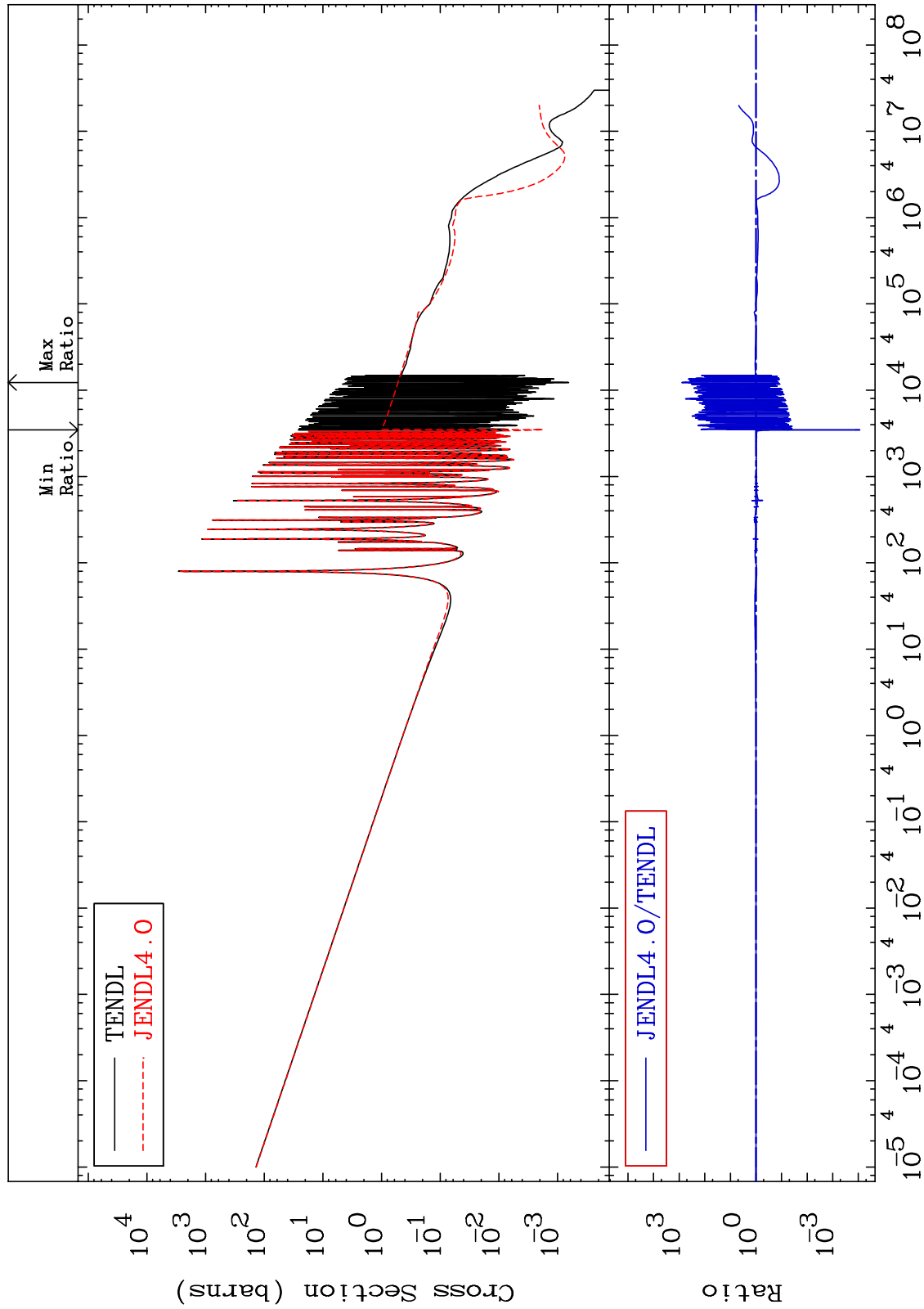
MAT 6843

(n,  $\gamma$ )

68-Er-168

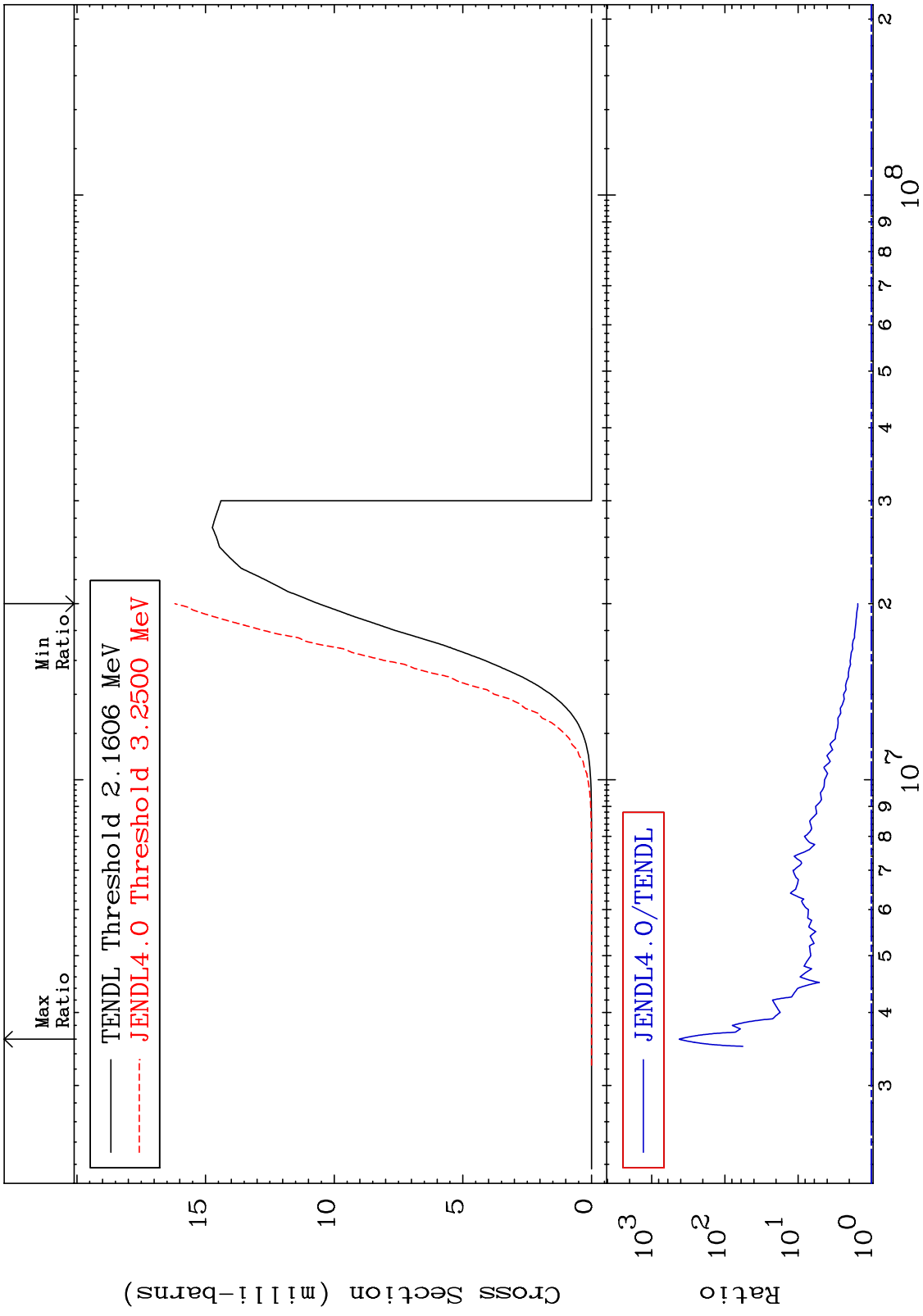
Cross Section

-99.99 To 9999. %

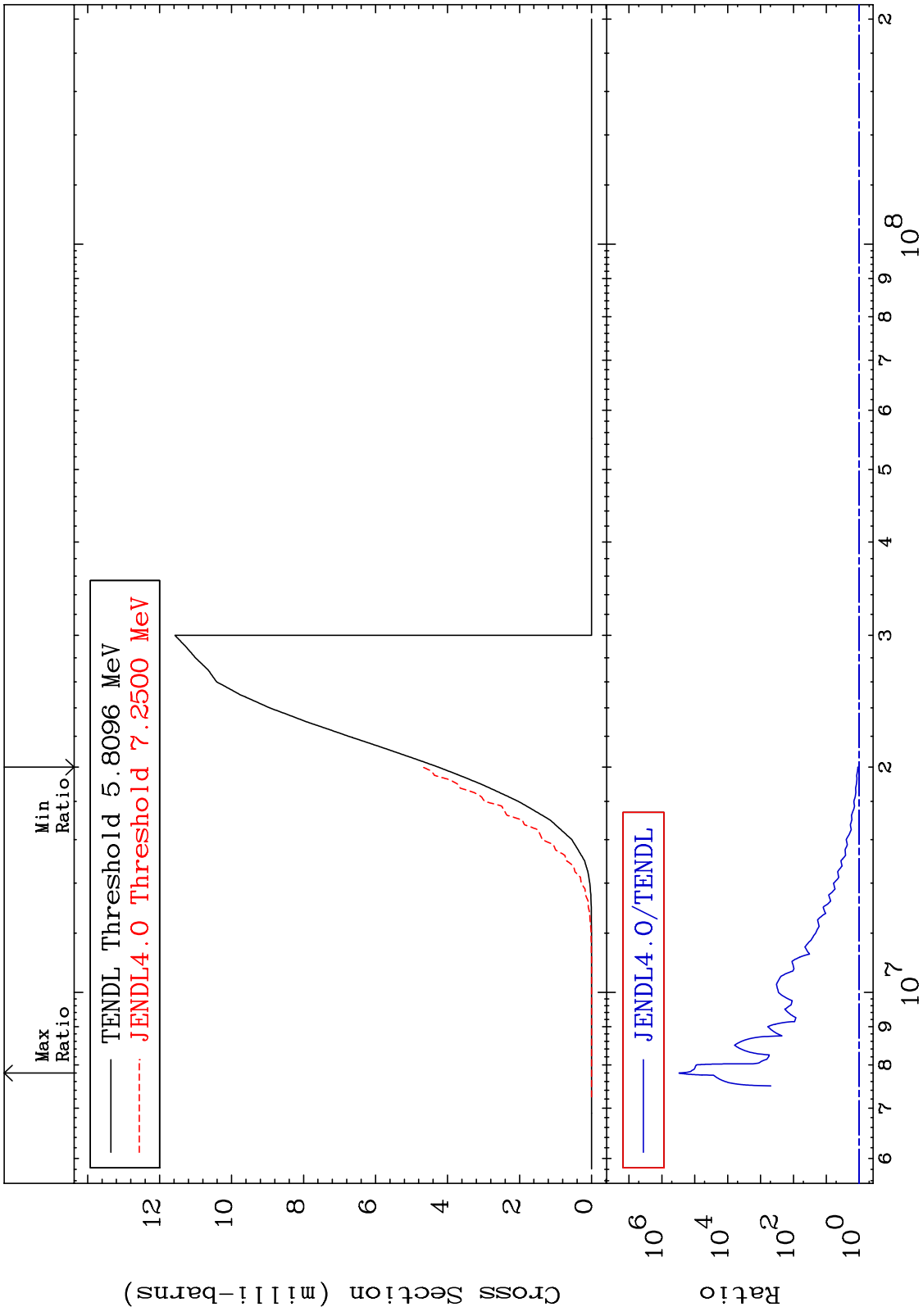


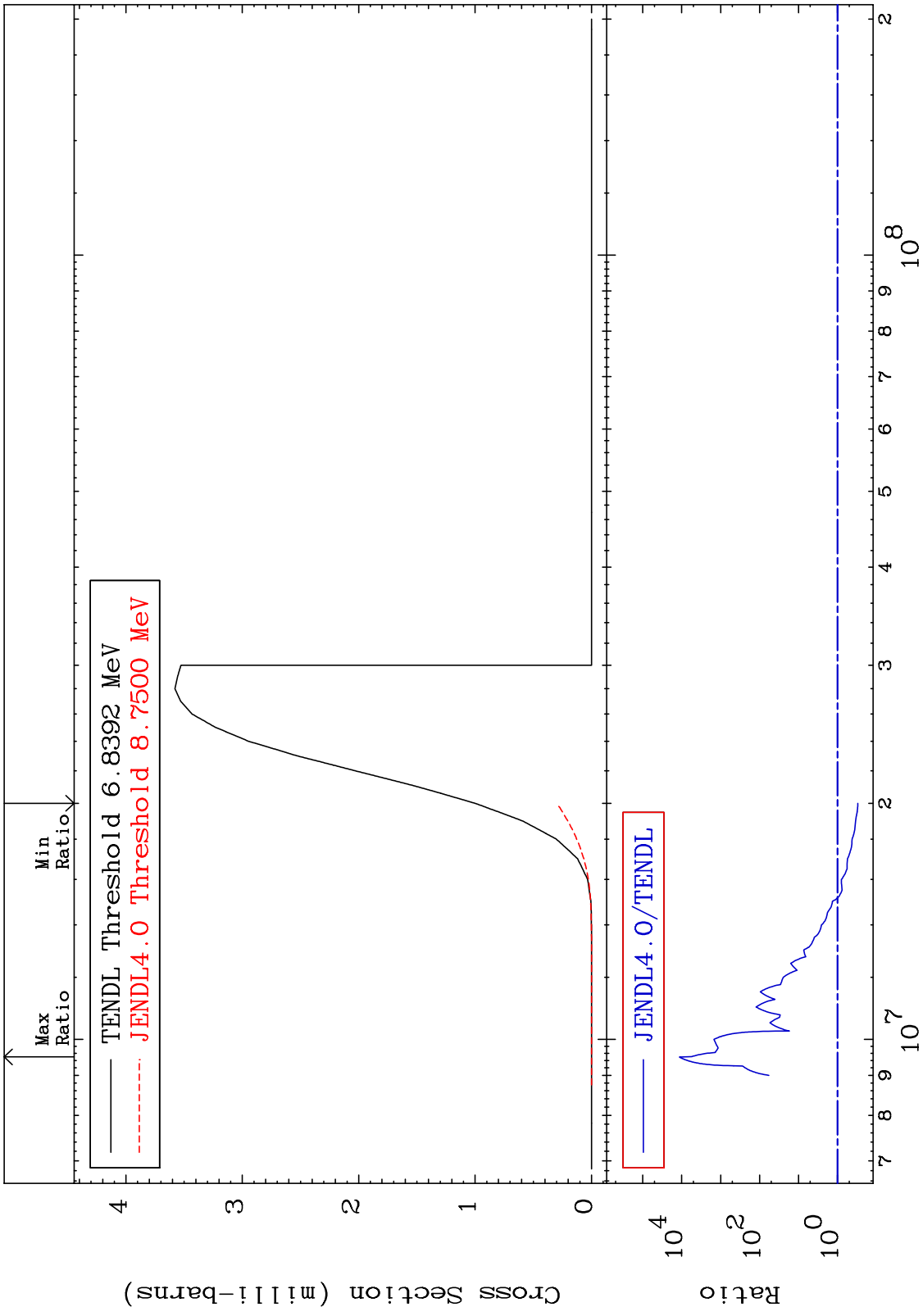


MAT 6843 (n,p) Cross Section 68-Er-168 To 9999. %  
 52.65



40 68-Er-168





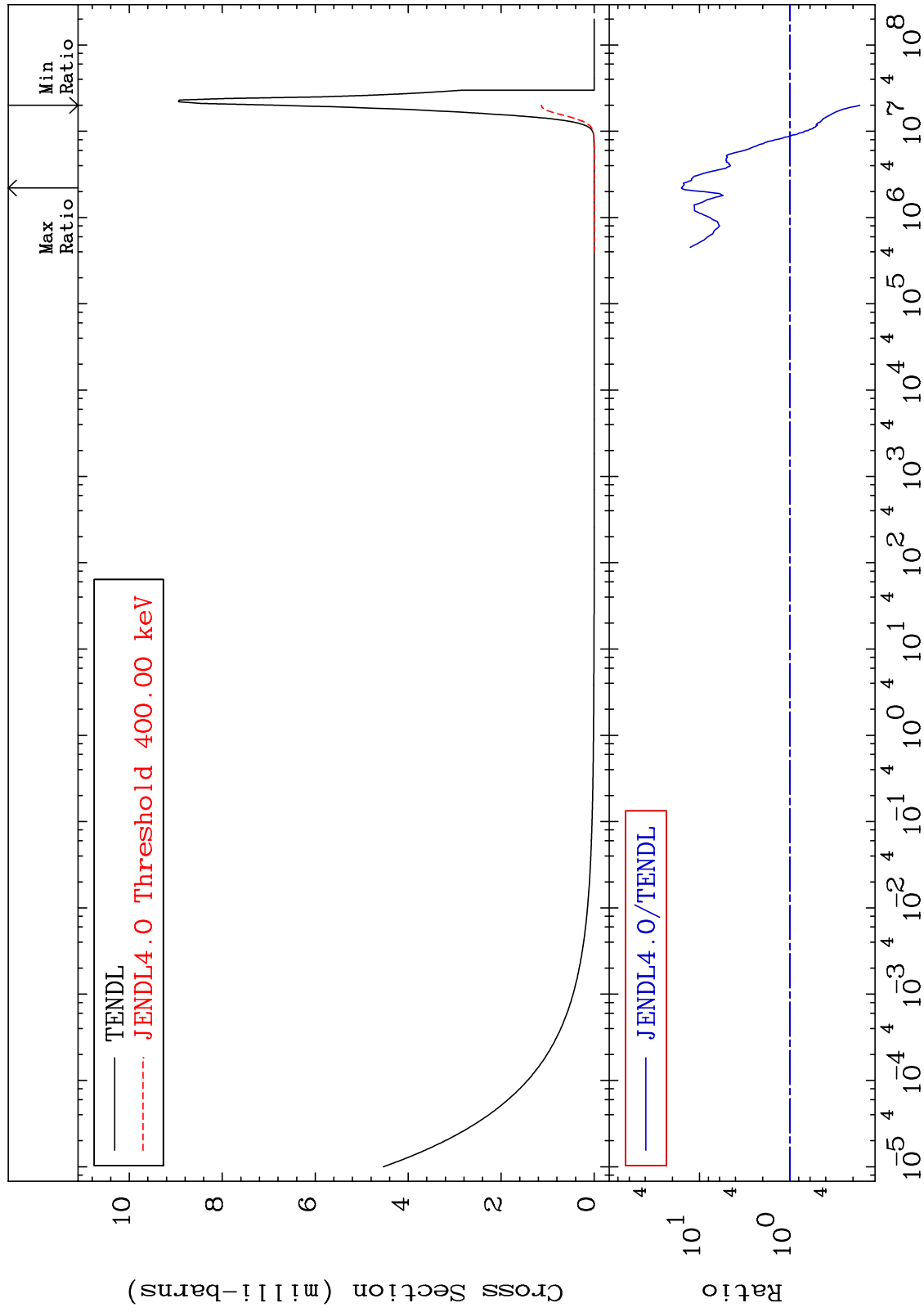
MAT 6843

(n,  $\alpha$ )

68-Er-168

Cross Section

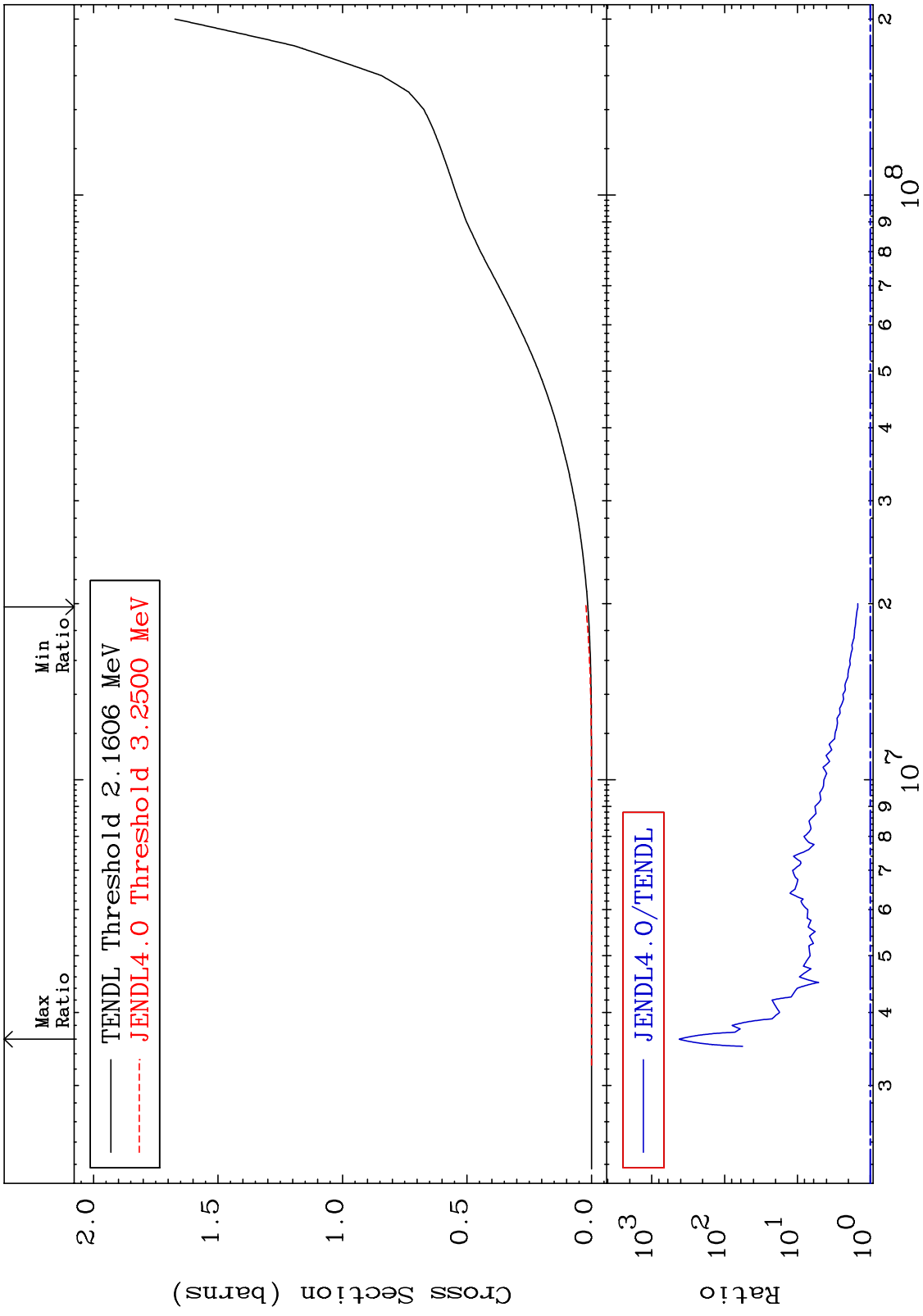
-83.17 To 1487. %



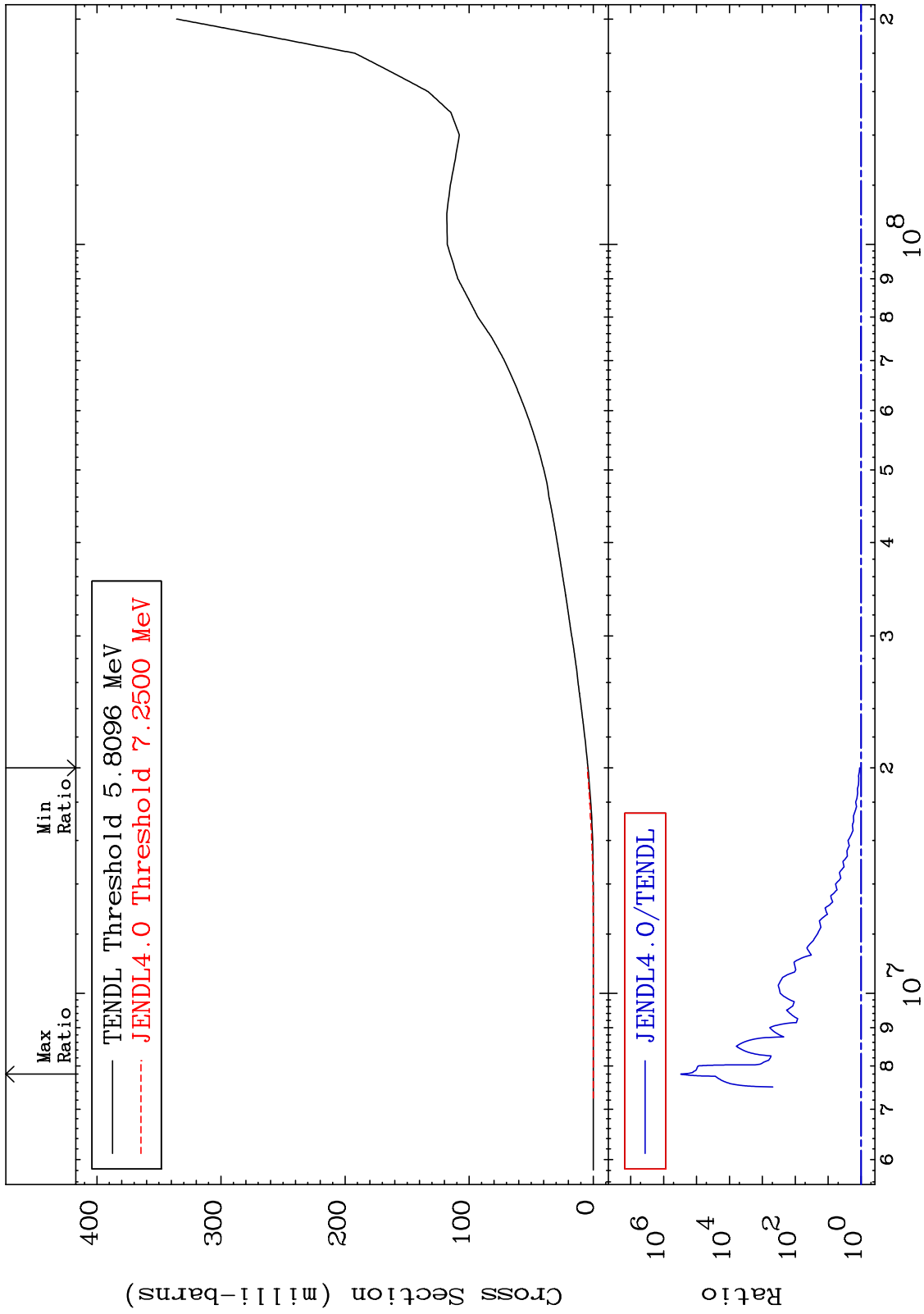
43

Incident Energy (eV)

68-Er-168



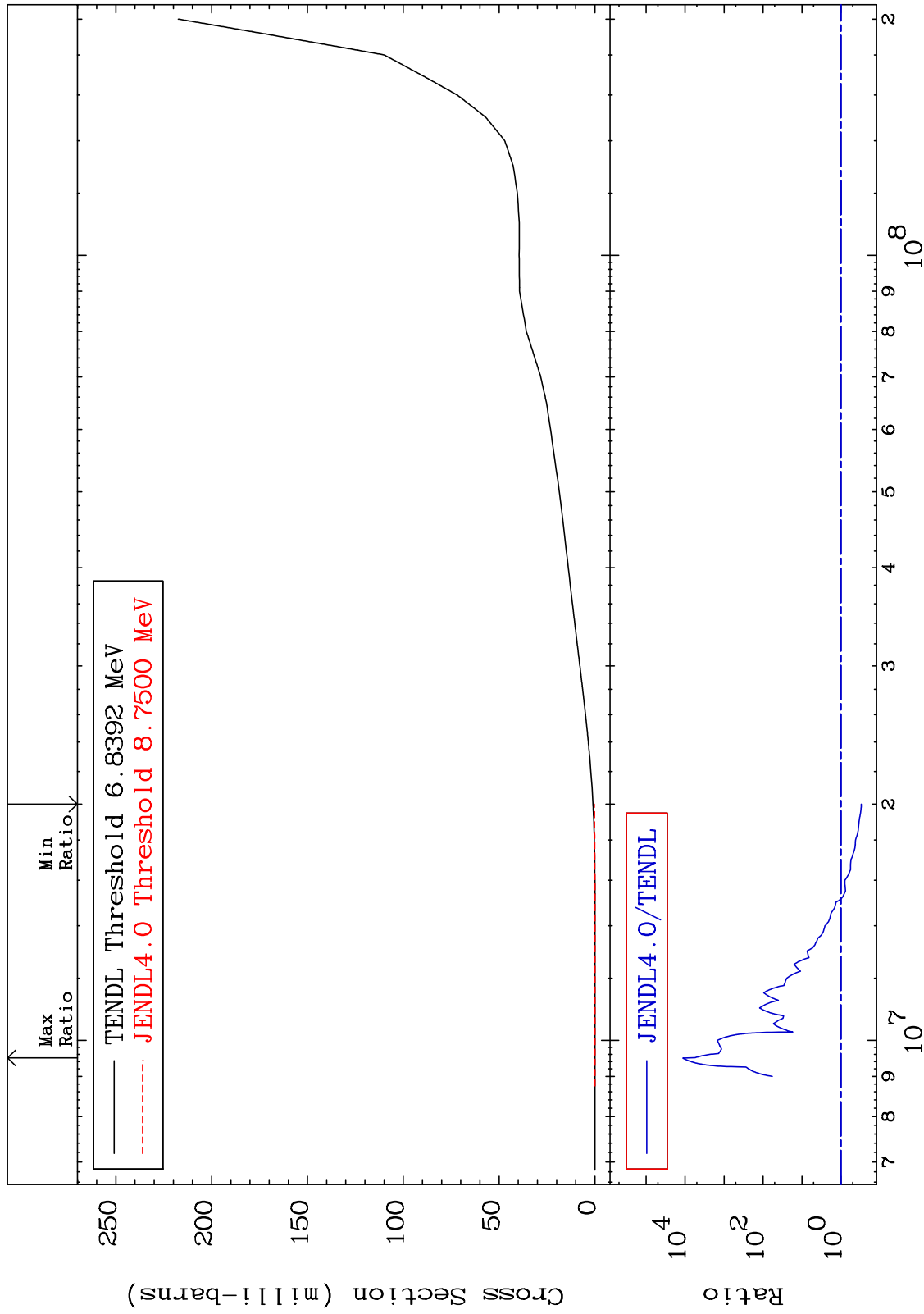
MAT 6843 Deuterium Production Cross Section 68-Er-168 To 9999. %



MAT 6843

Tritium Production  
Cross Section

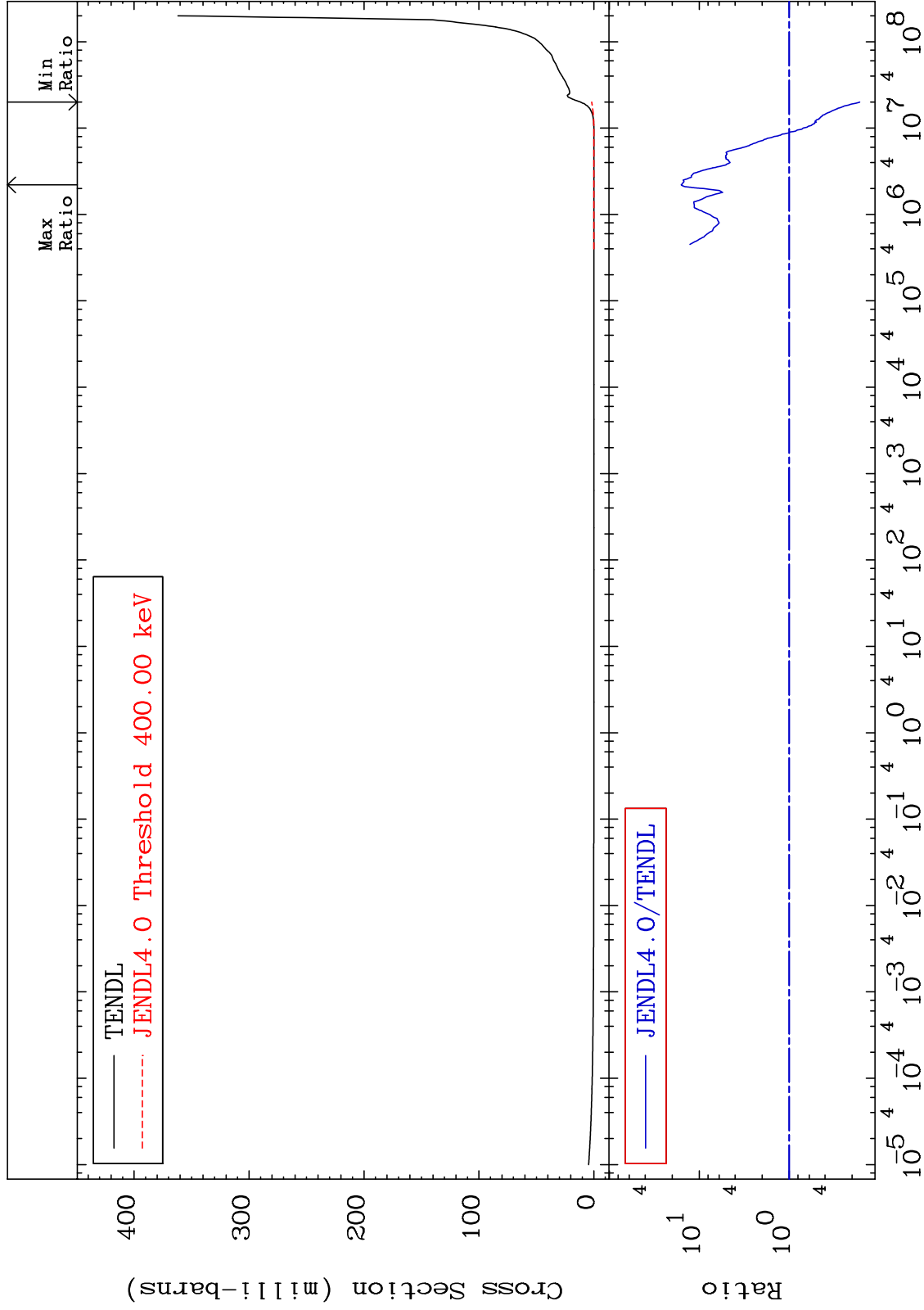
68-Er-168  
-70.07 To 9999. %



MAT 6843

He-4 Production  
Cross Section

68-Er-168  
-83.53 To 1487. %



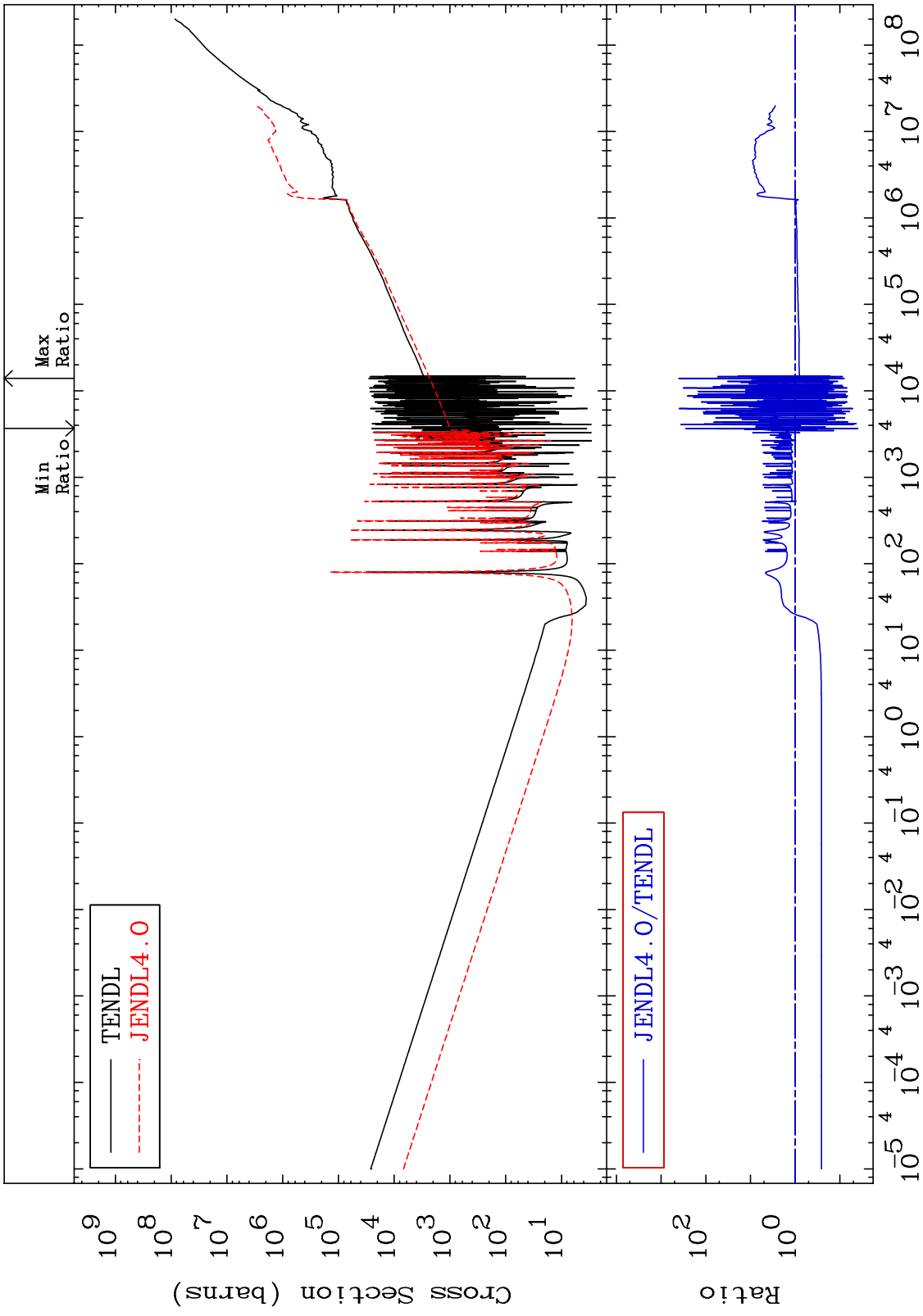
47

Incident Energy (eV)

68-Er-168



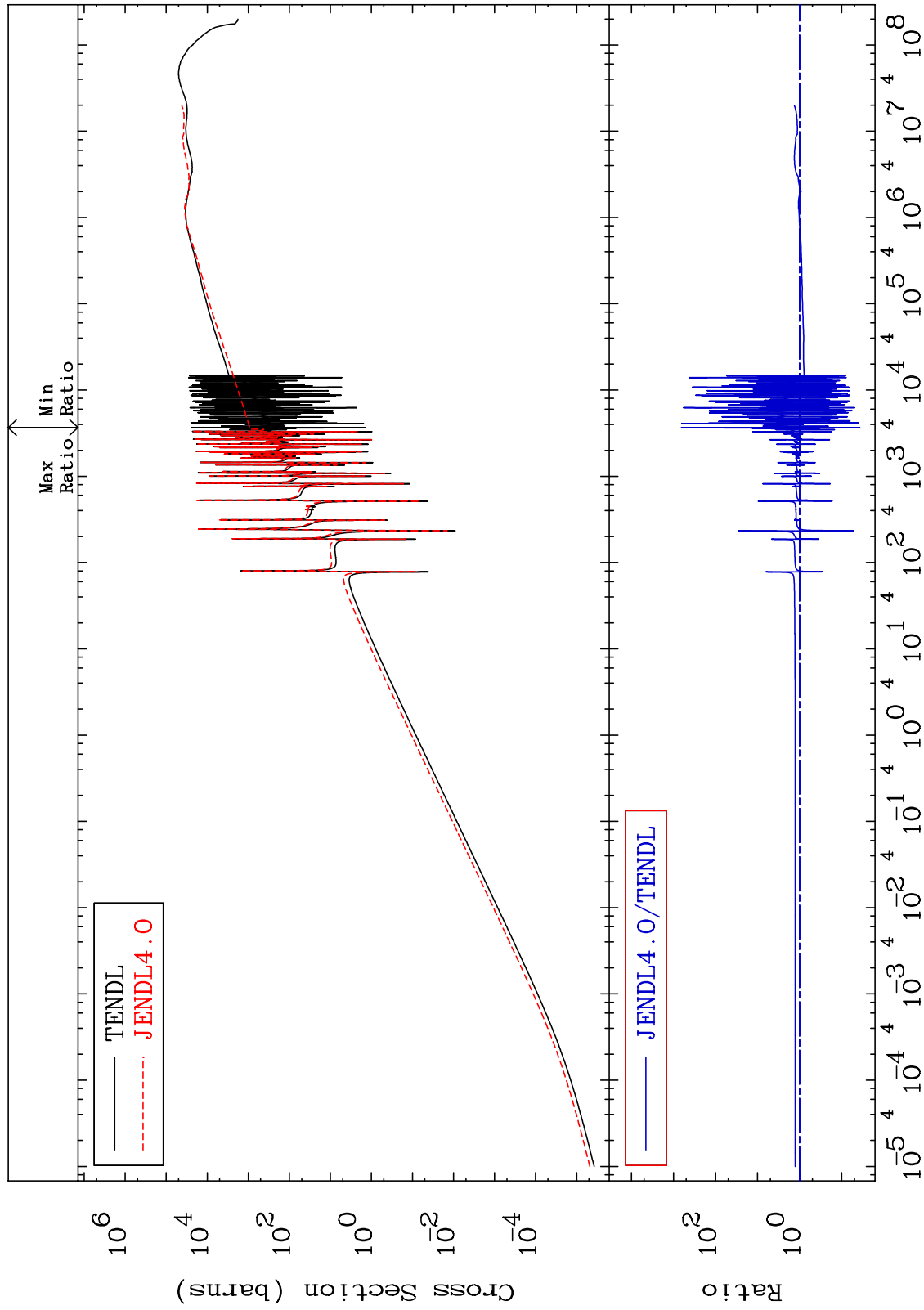
MAT 6843      Kerma total (eV-barns)      68-Er-168  
 Cross Section      -96.02 To 9999. %



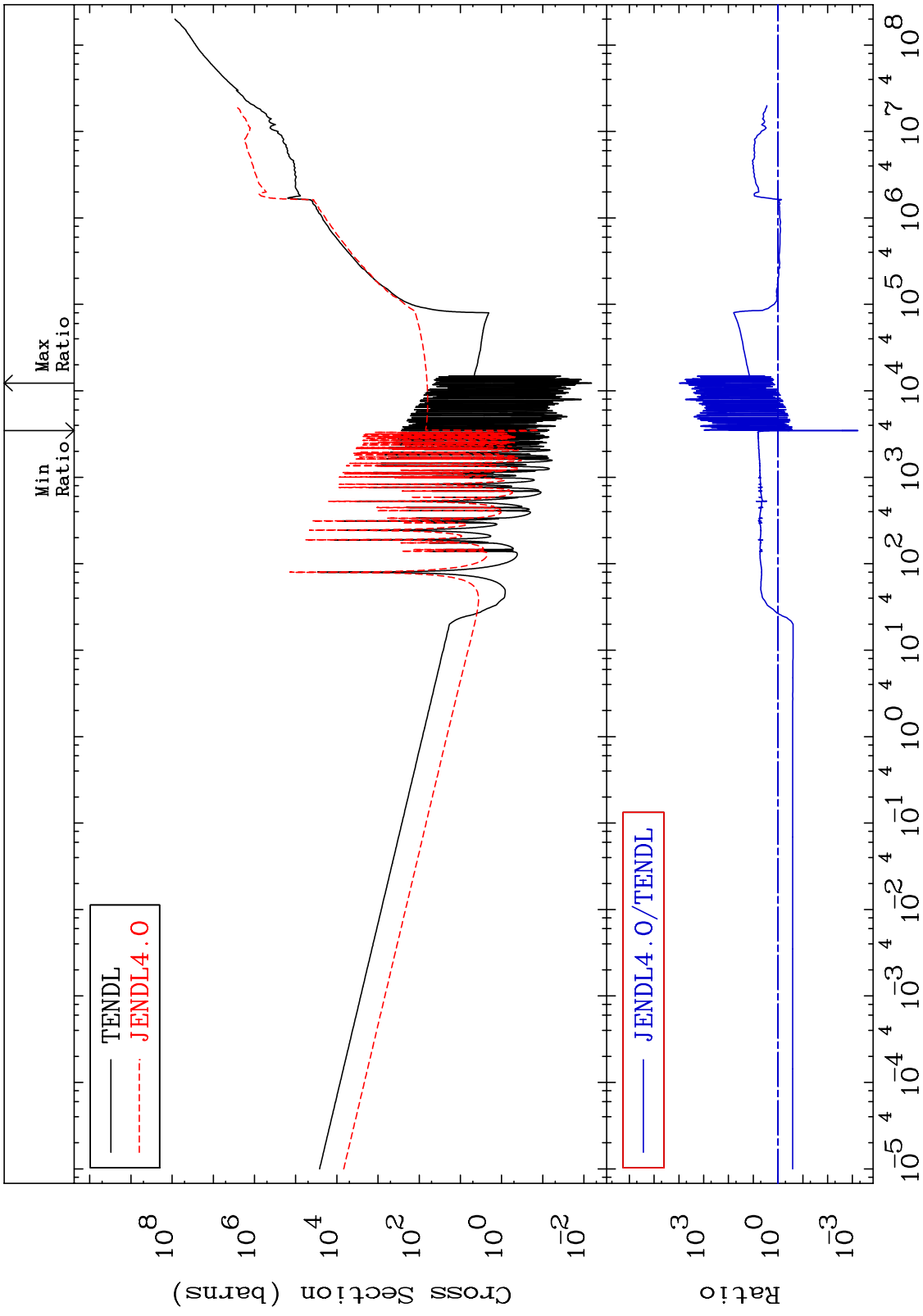
MAT 6843

Kerma elastic  
Cross Section

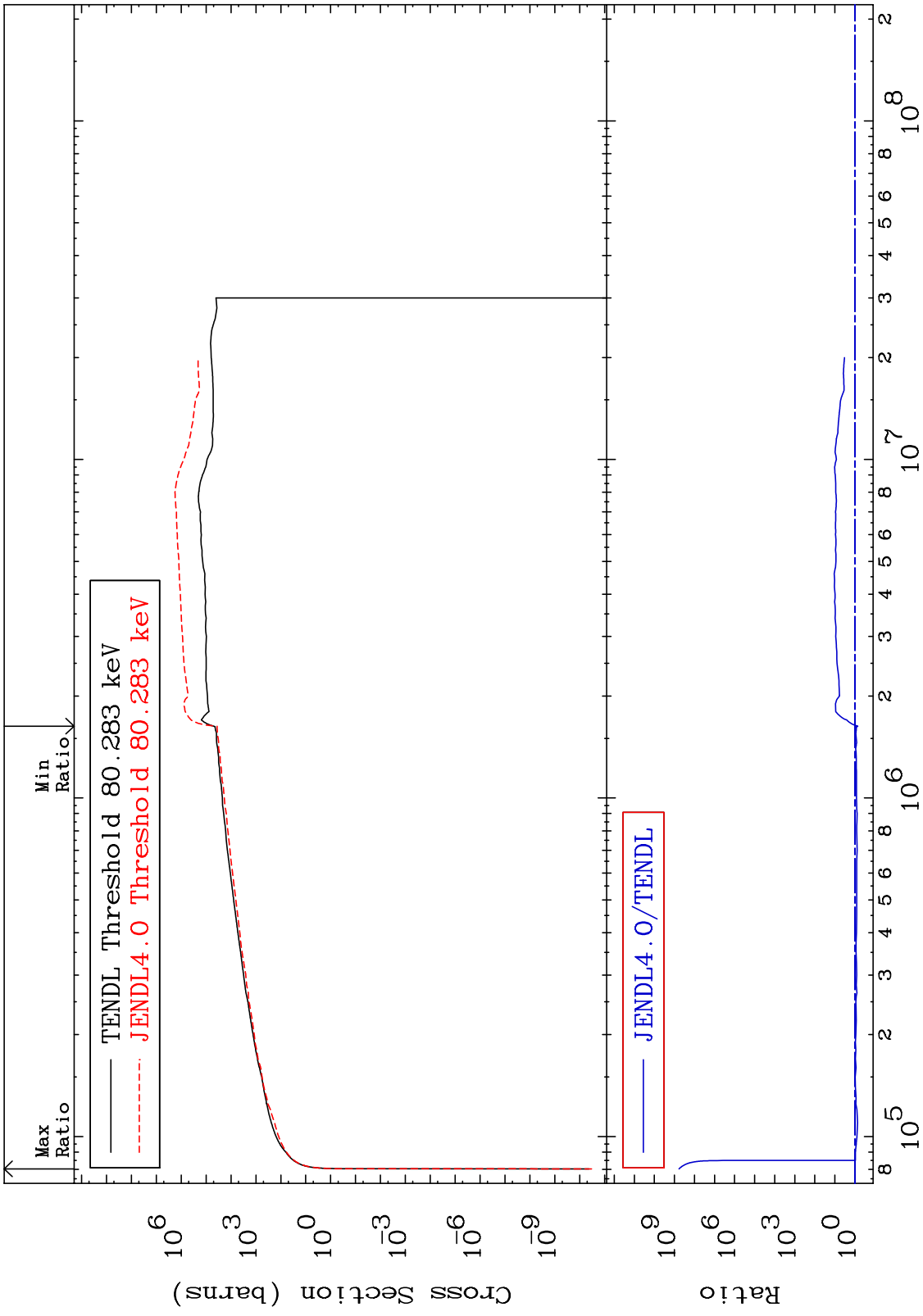
68-Er-168  
-96.28 To 9999. %



MAT 6843      Kerma non-elastic (all but mt2)      68-Er-168  
 Cross Section      -99.94 To 9999. %



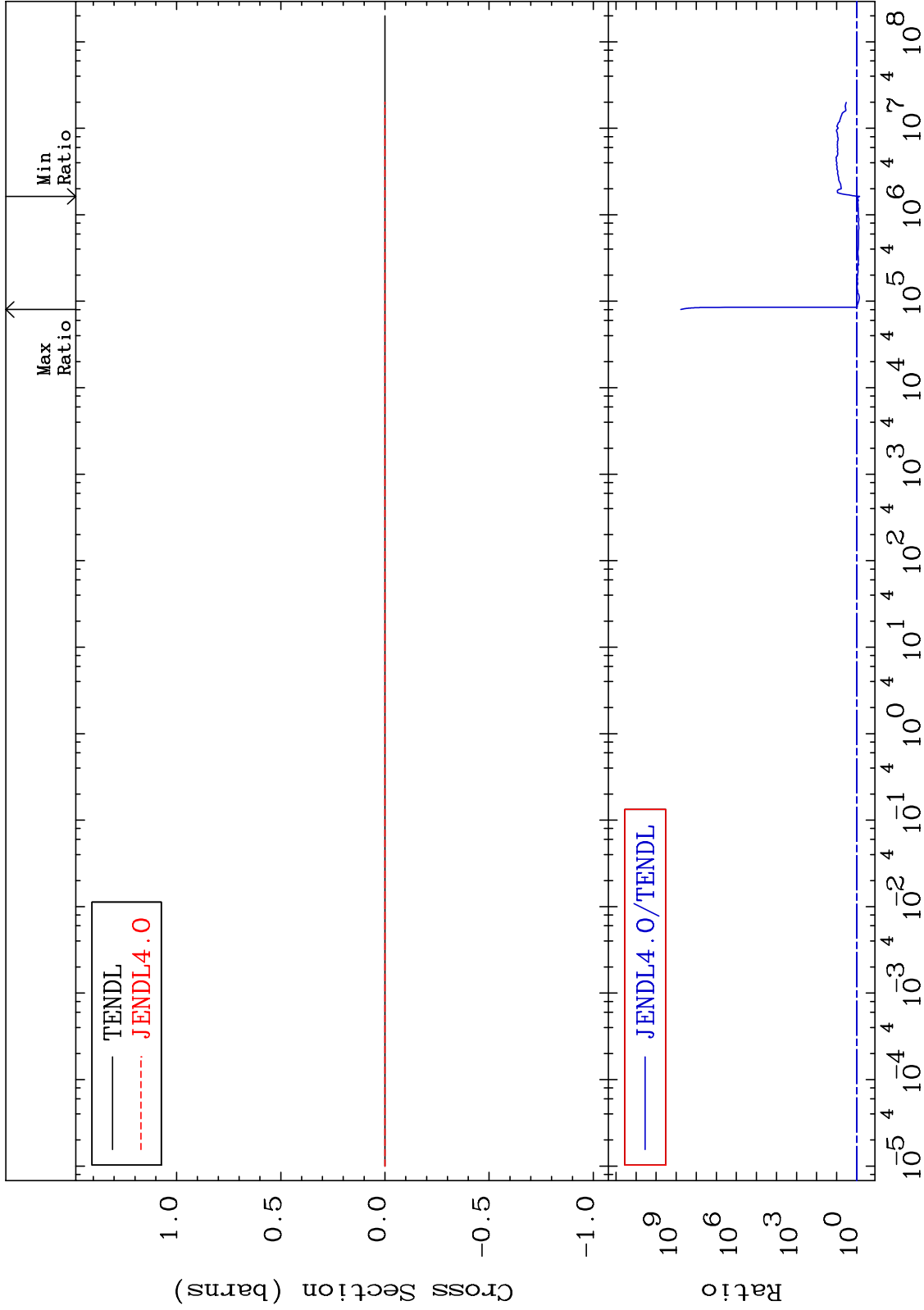
MAT 6843 Kerma inelastic (mt51-91) 68-Er-168  
 Cross Section -28.41 To 9999. %



MAT 6843

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

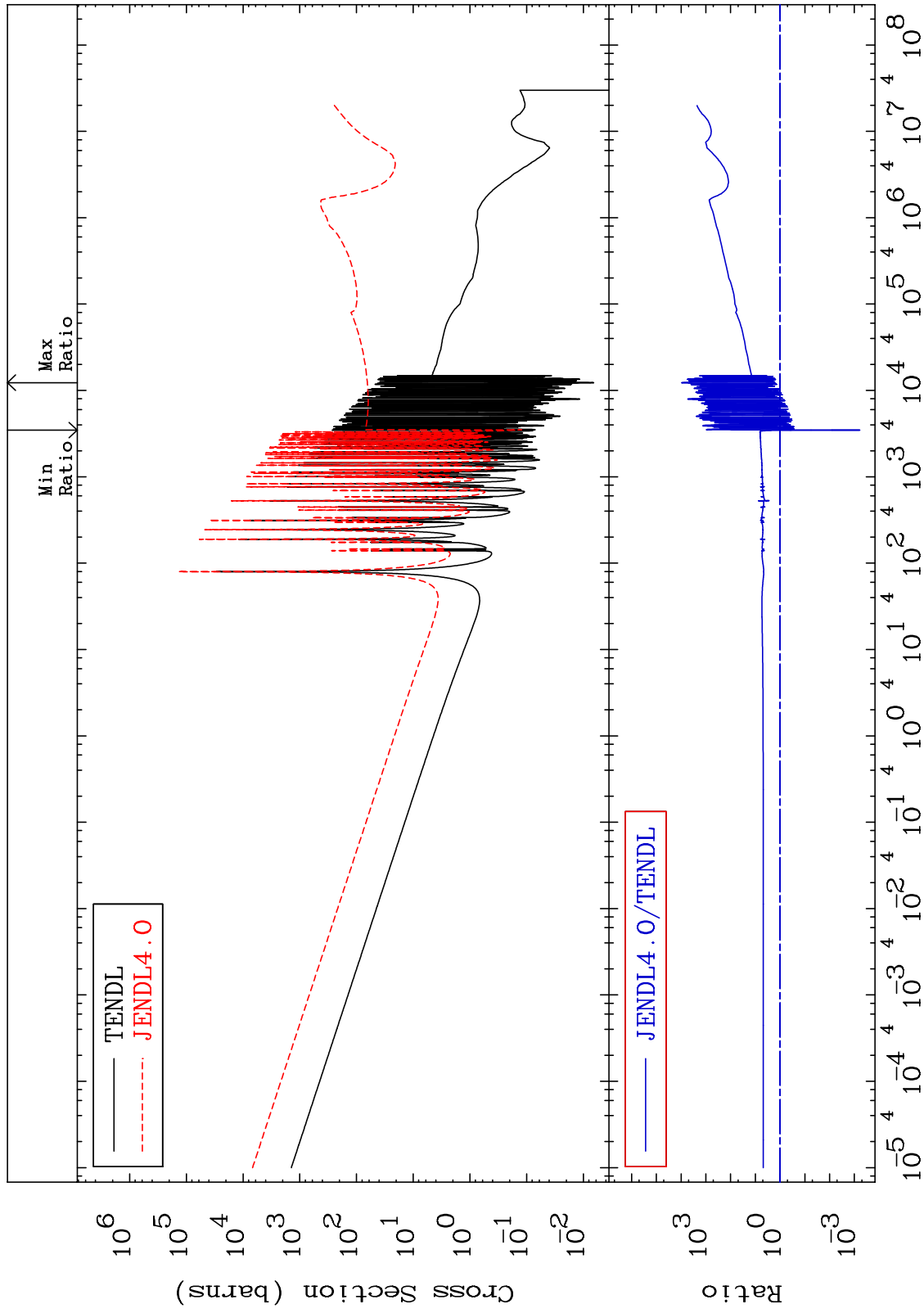
68-Er-168  
-28.41 To 9999. %



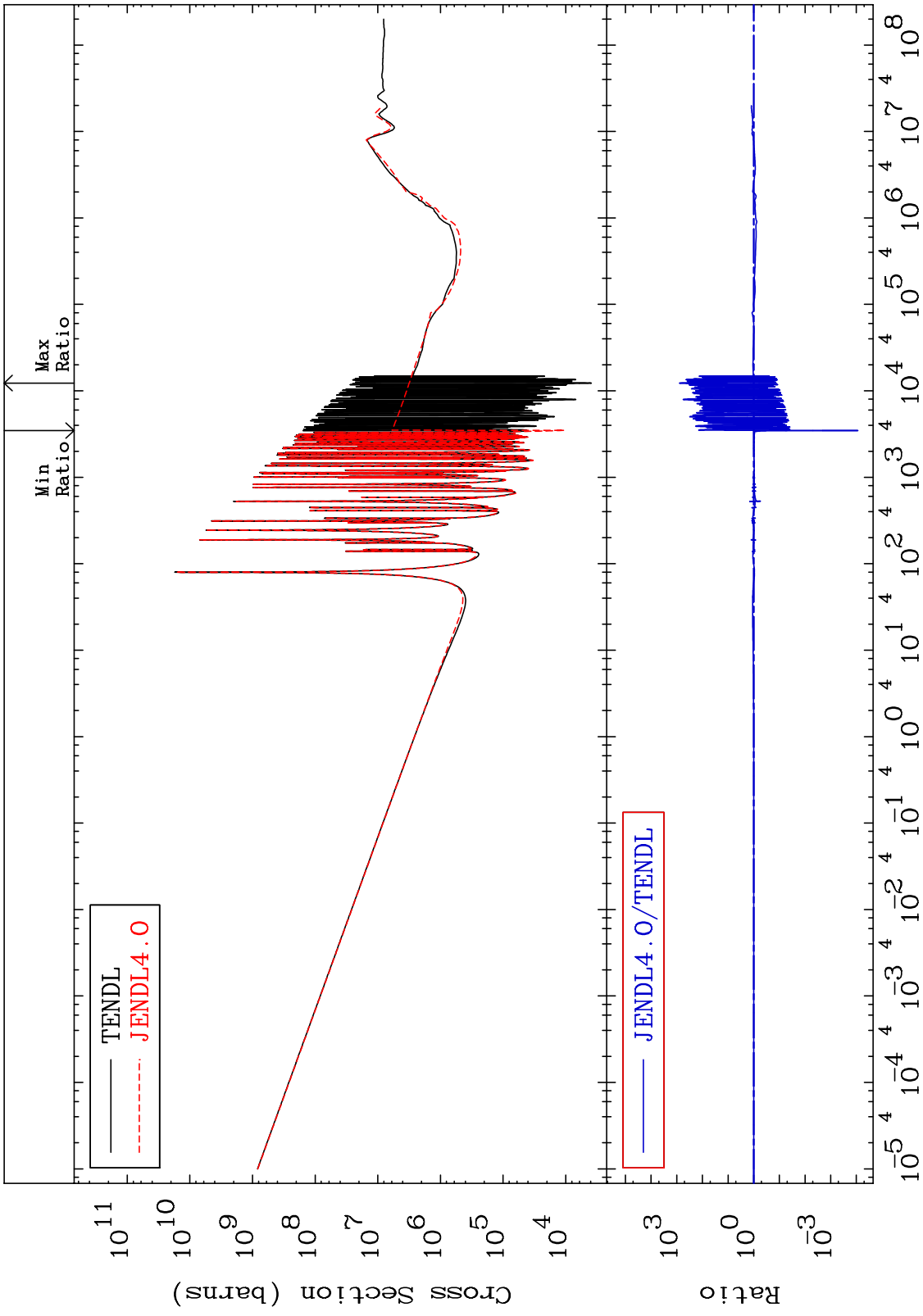
MAT 6843

Kerma capture (mt102)  
Cross Section

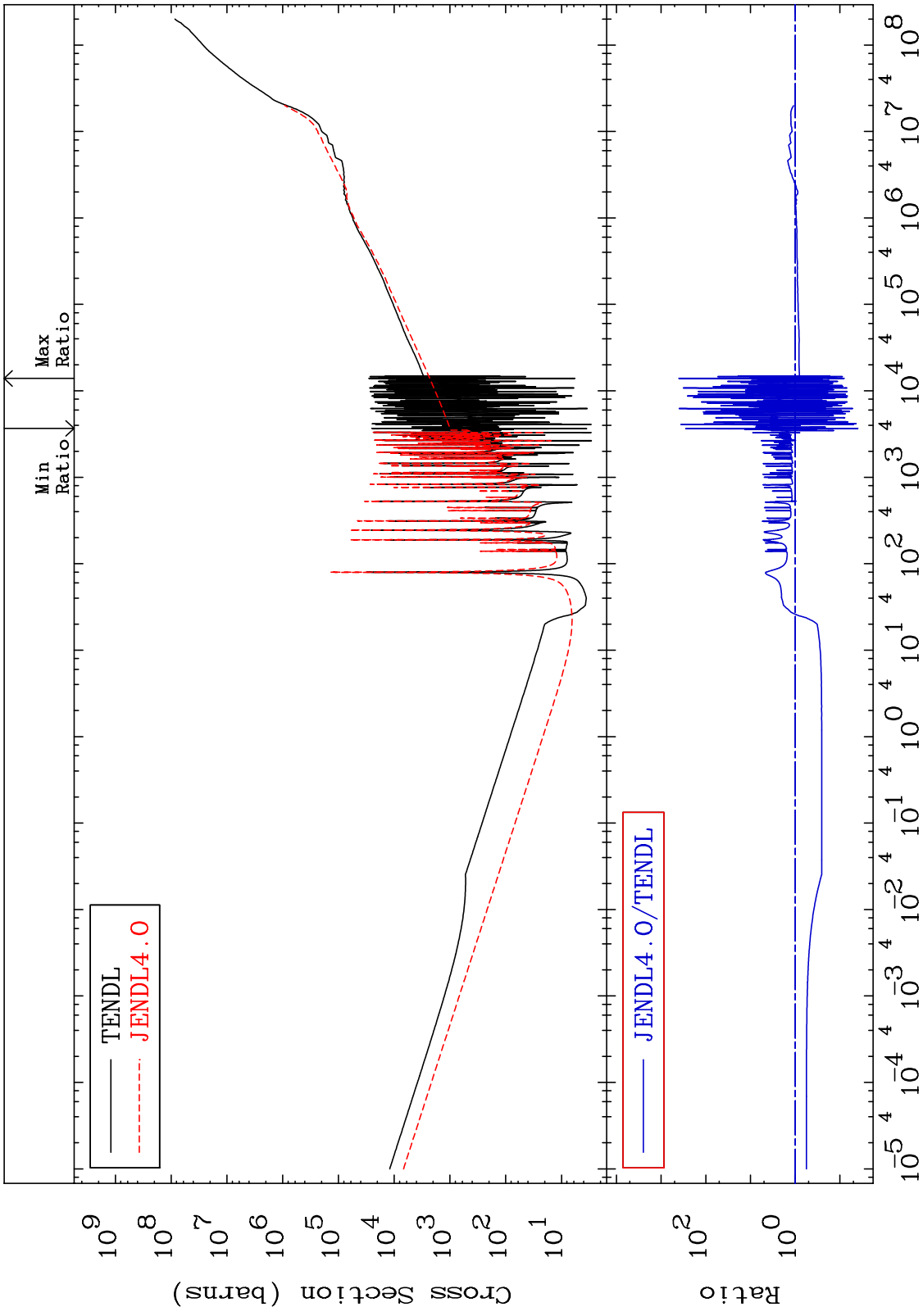
68-Er-168  
-99.94 To 9999. %



MAT 6843 68-Er-168  
-99.99 To 9999. %  
 Total photon (eV-barns)  
 Cross Section



MAT 6843      Total kinematic kerma (high limit)      68-Er-168  
 Cross Section      -96.02 To 9999. %

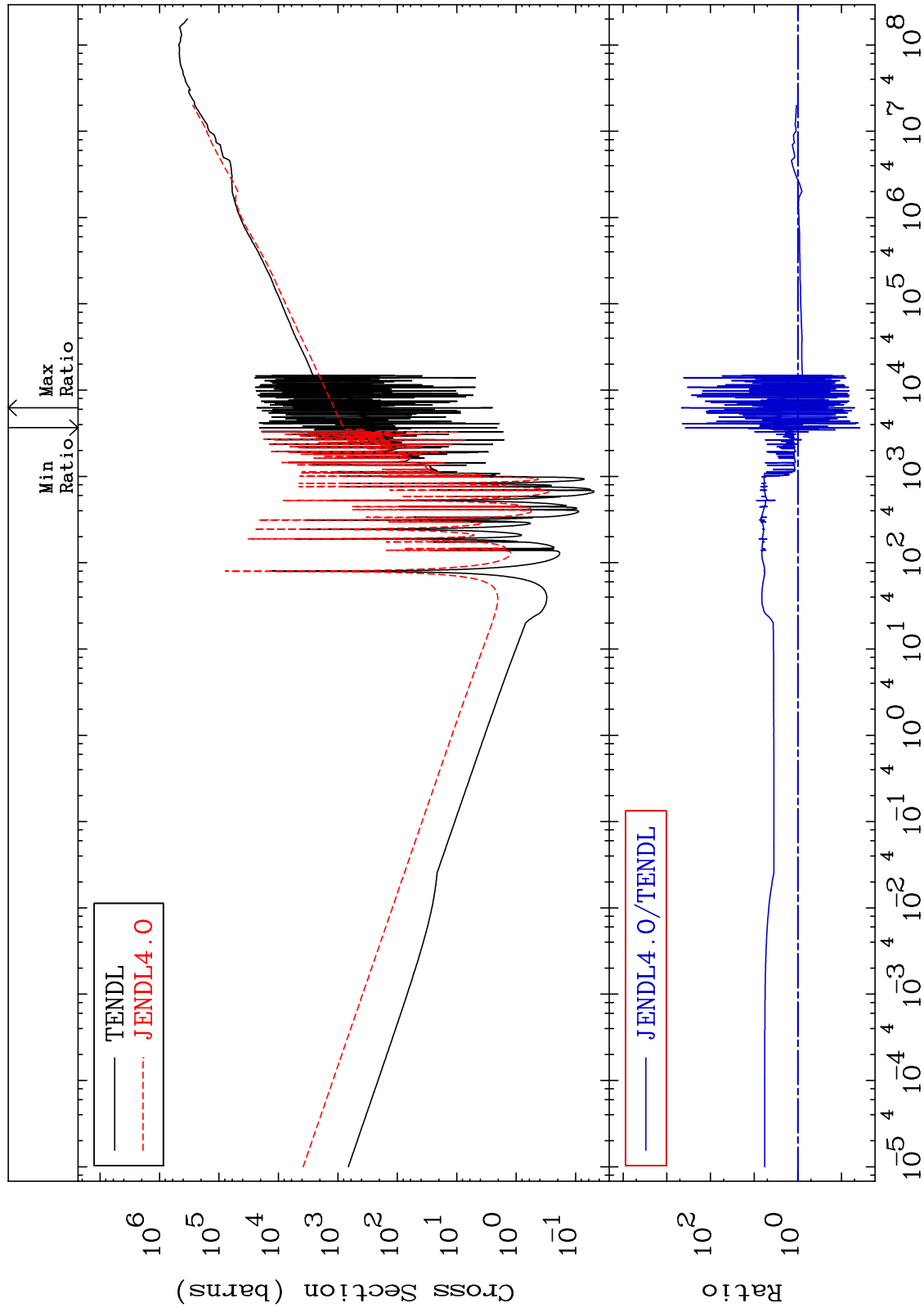




MAT 6843

Dpa total (eV-barns)  
Cross Section

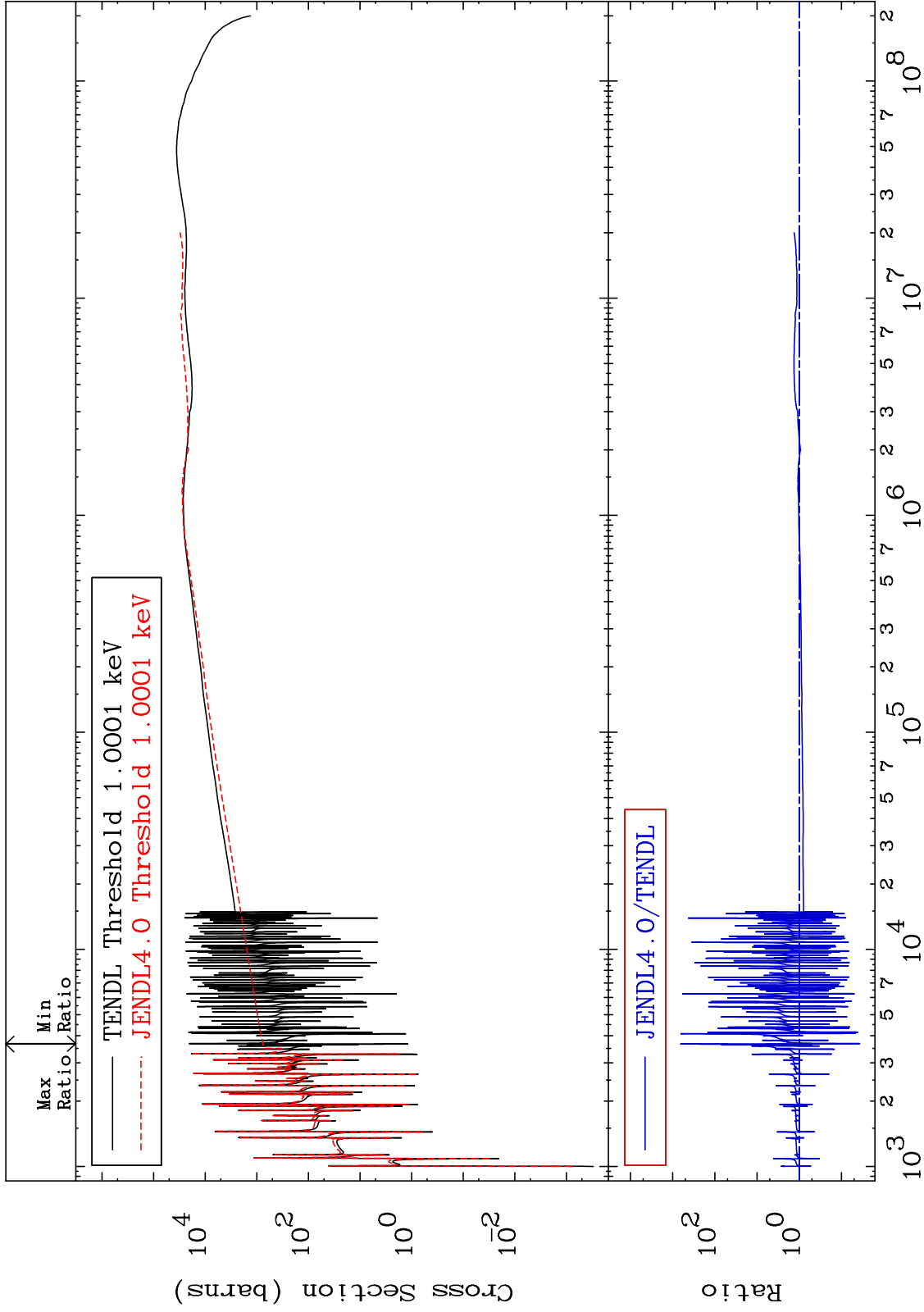
68-Er-168  
-96.20 To 9999. %



MAT 6843

Dpa elastic (mt2)  
Cross Section

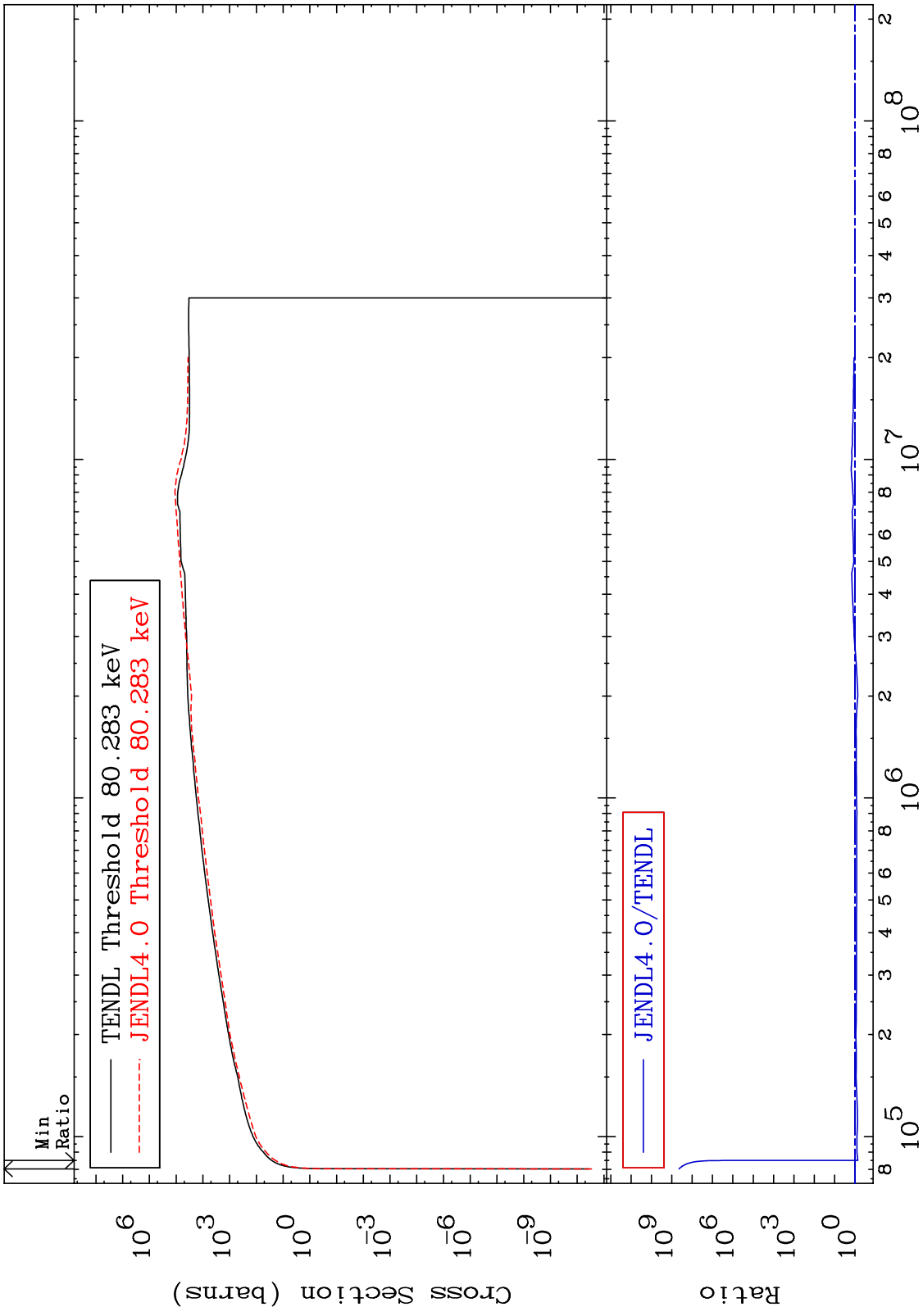
68-Er-168  
-96.31 To 9999. %



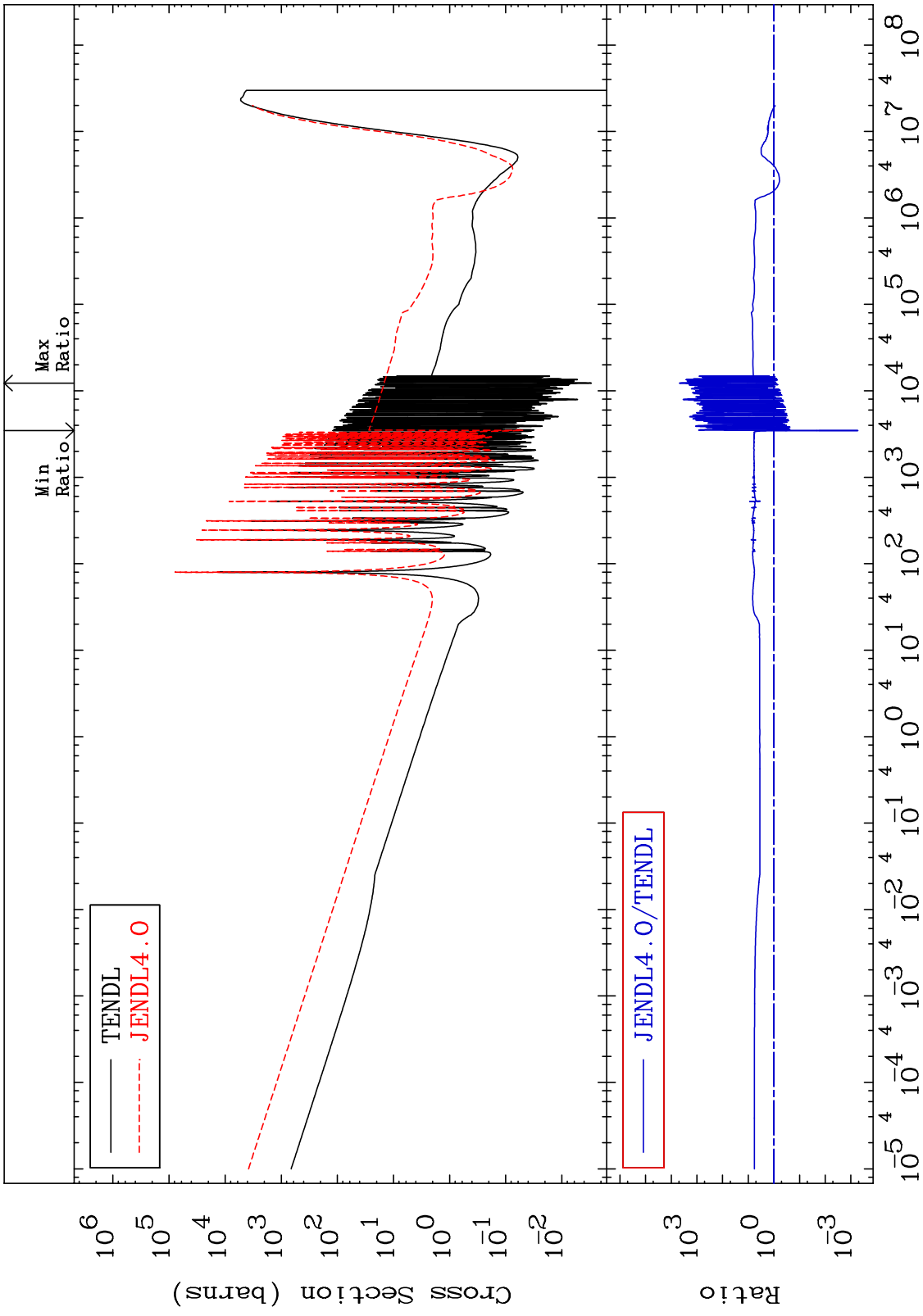
57

Incident Energy (eV)

68-Er-168



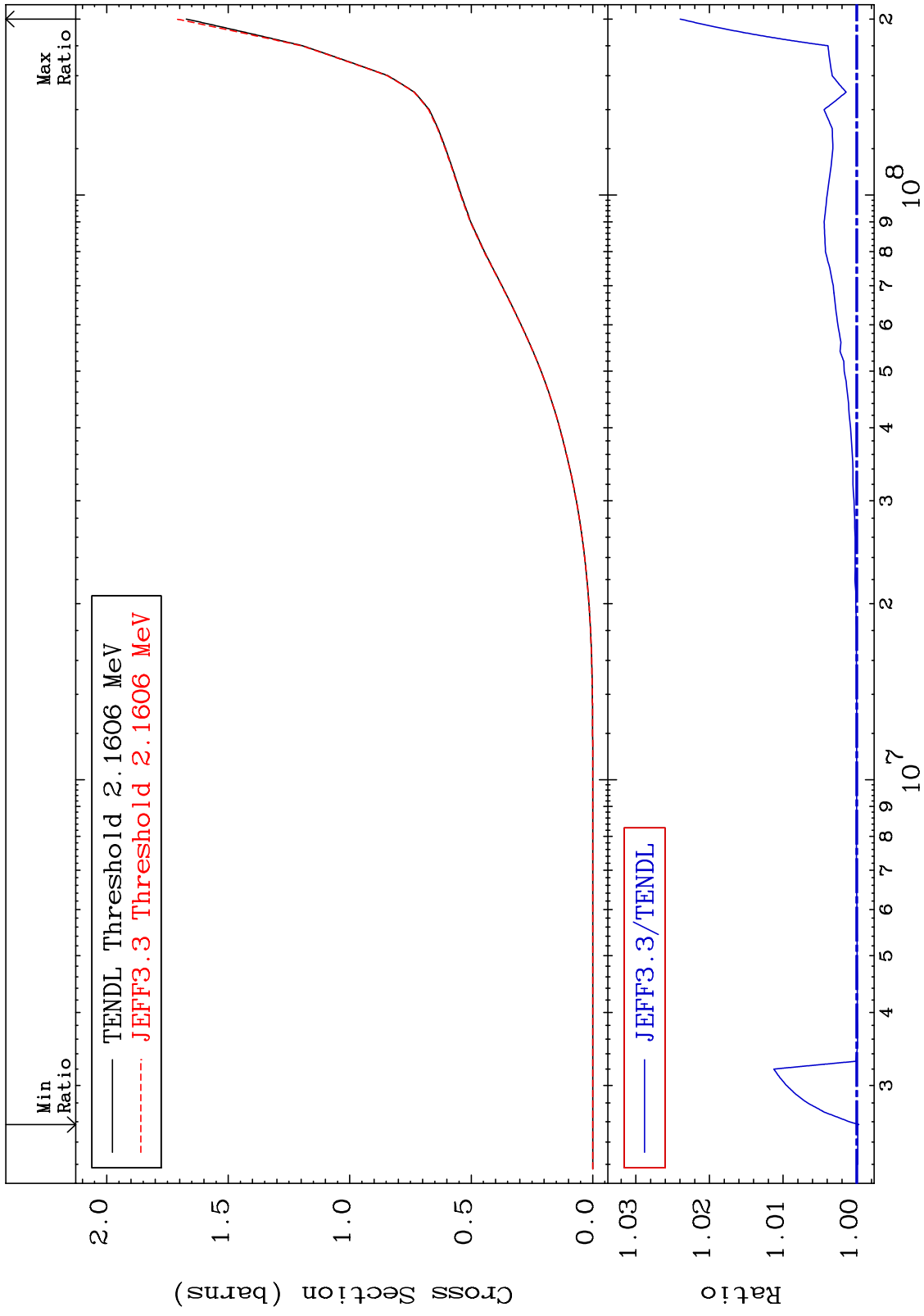
MAT 6843      Dpa disappearance (mt102 -120)      68-Er-168  
 Cross Section      -99.95 To 9999. %



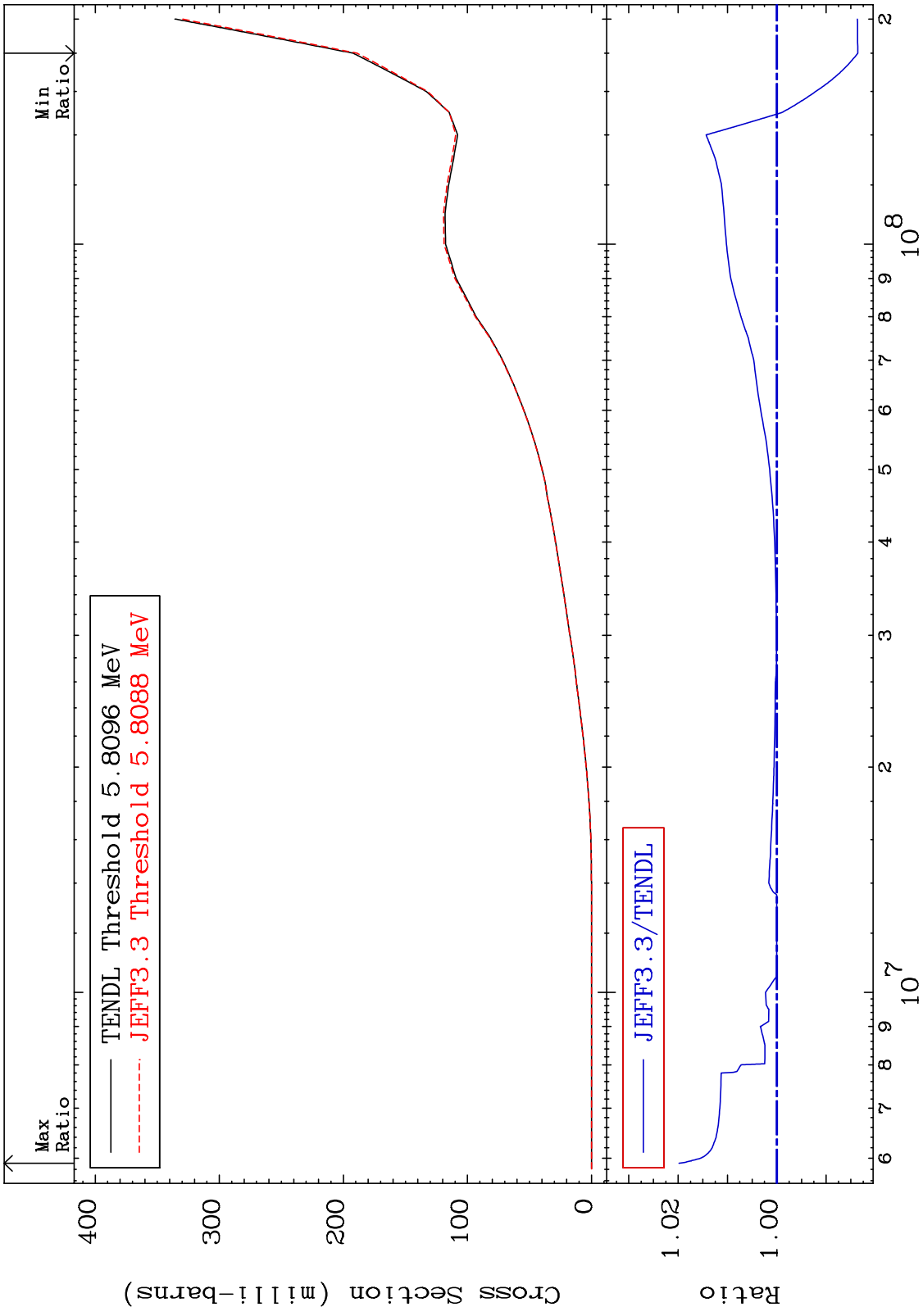
MAT 6843

Hydrogen Production  
Cross Section

68-Er-168  
-0.030 To 2.397 %



MAT 6843 Deuterium Production Cross Section 68-Er-168  
 -1.641 To 1.982 %

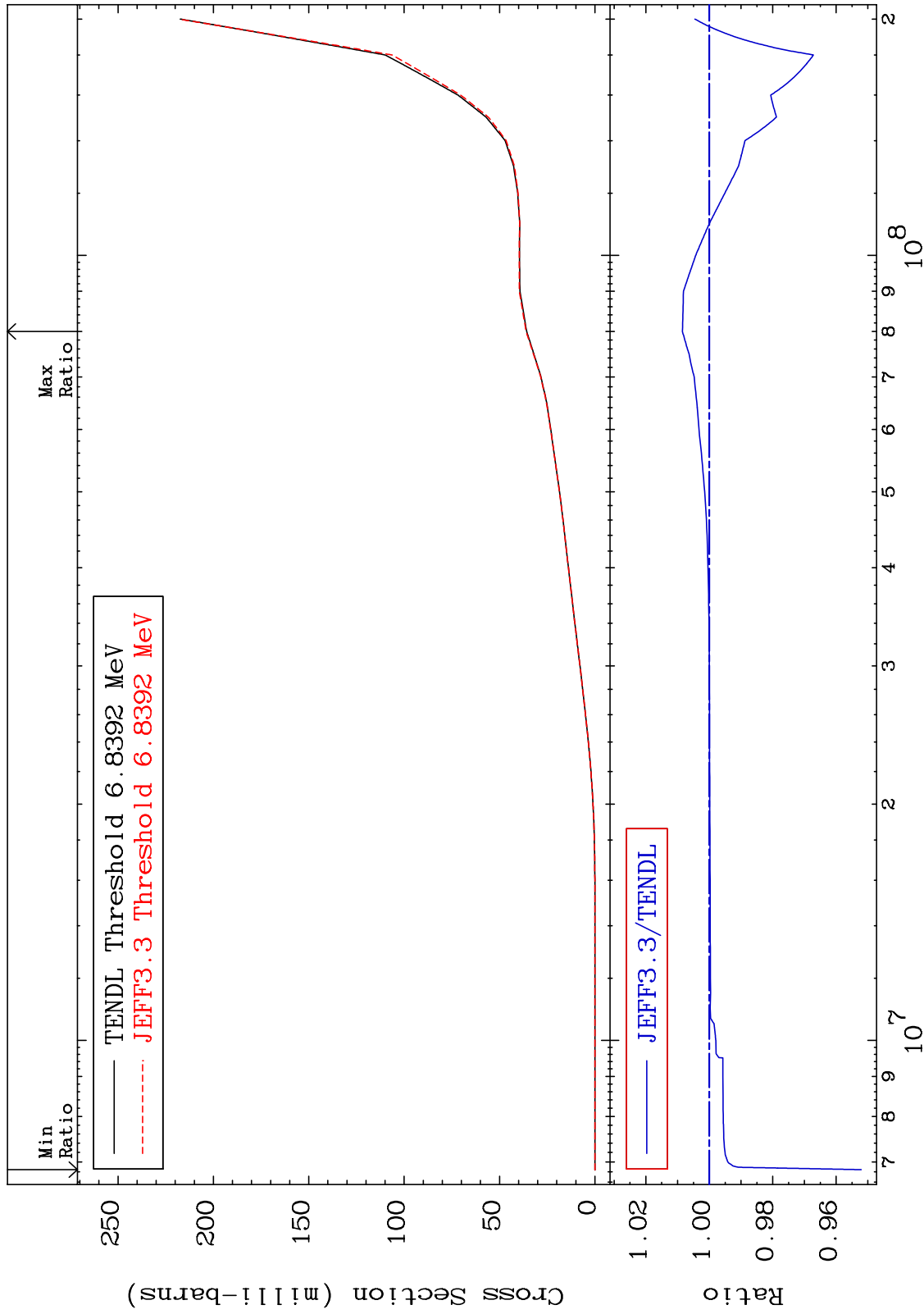


61 68-Er-168

MAT 6843

Tritium Production  
Cross Section

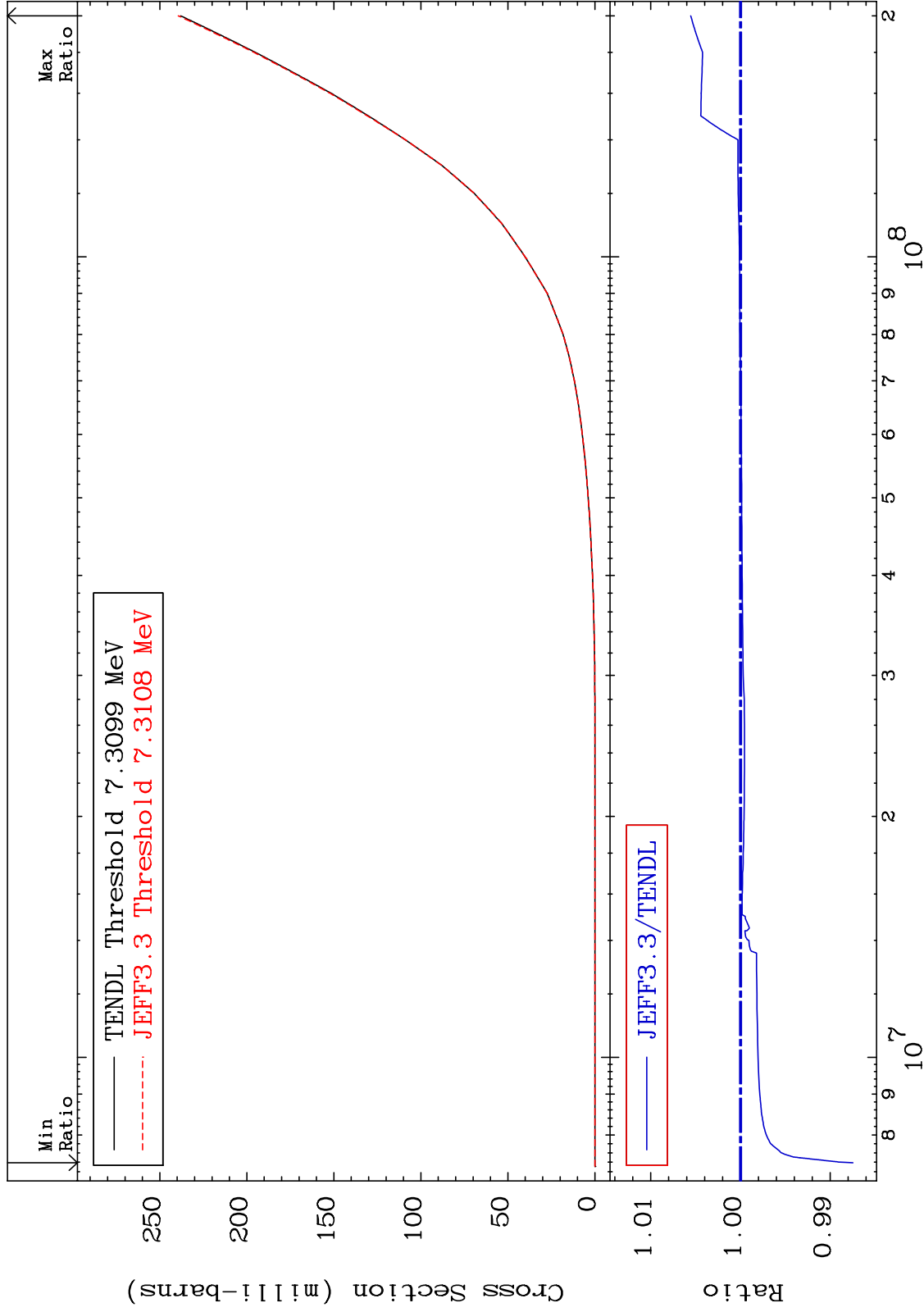
68-Er-168  
-4.794 To 0.846 %



MAT 6843

He-3 Production  
Cross Section

68-Er-168  
-1.254 To 0.554 %



63

Incident Energy (eV)

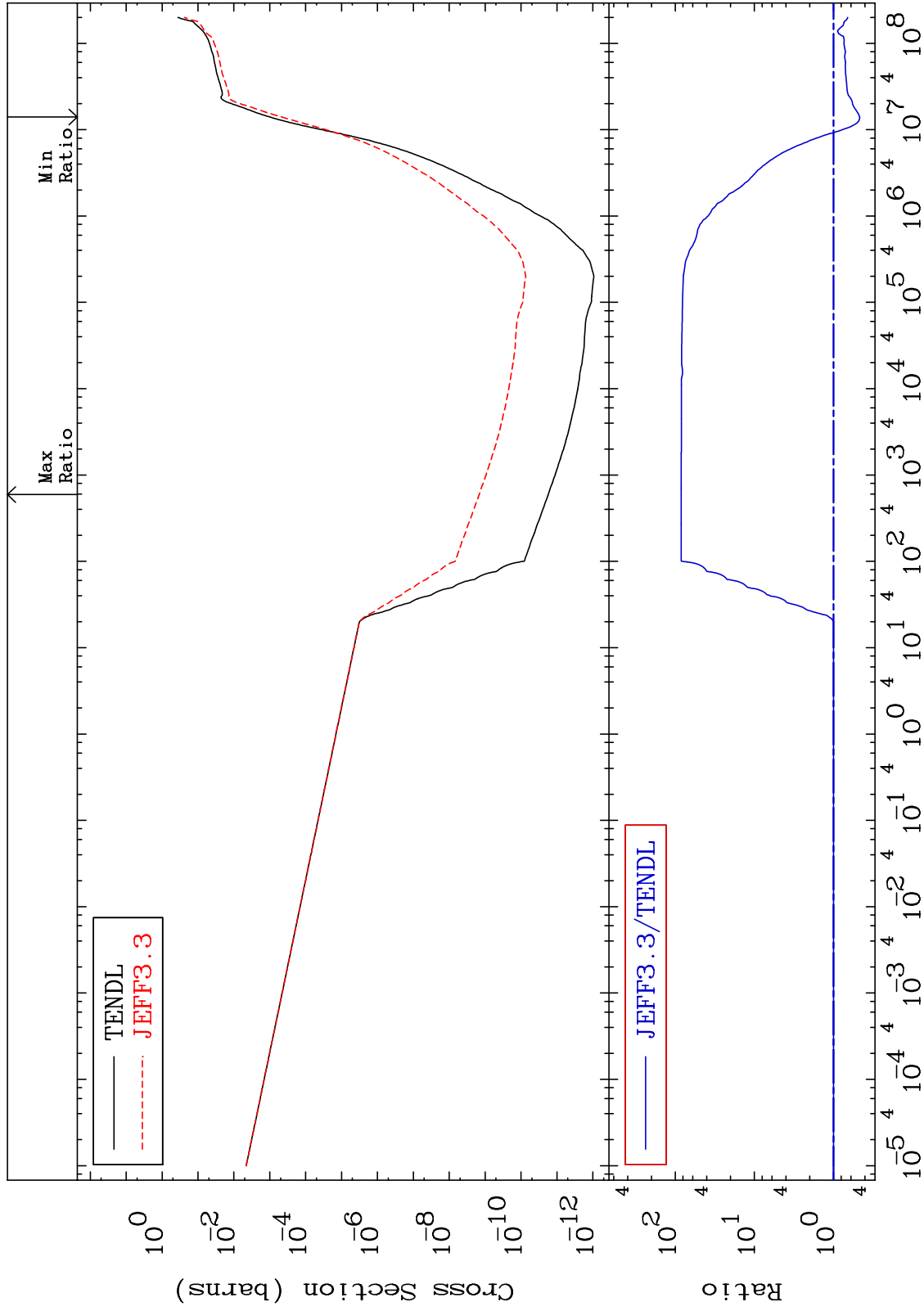
68-Er-168



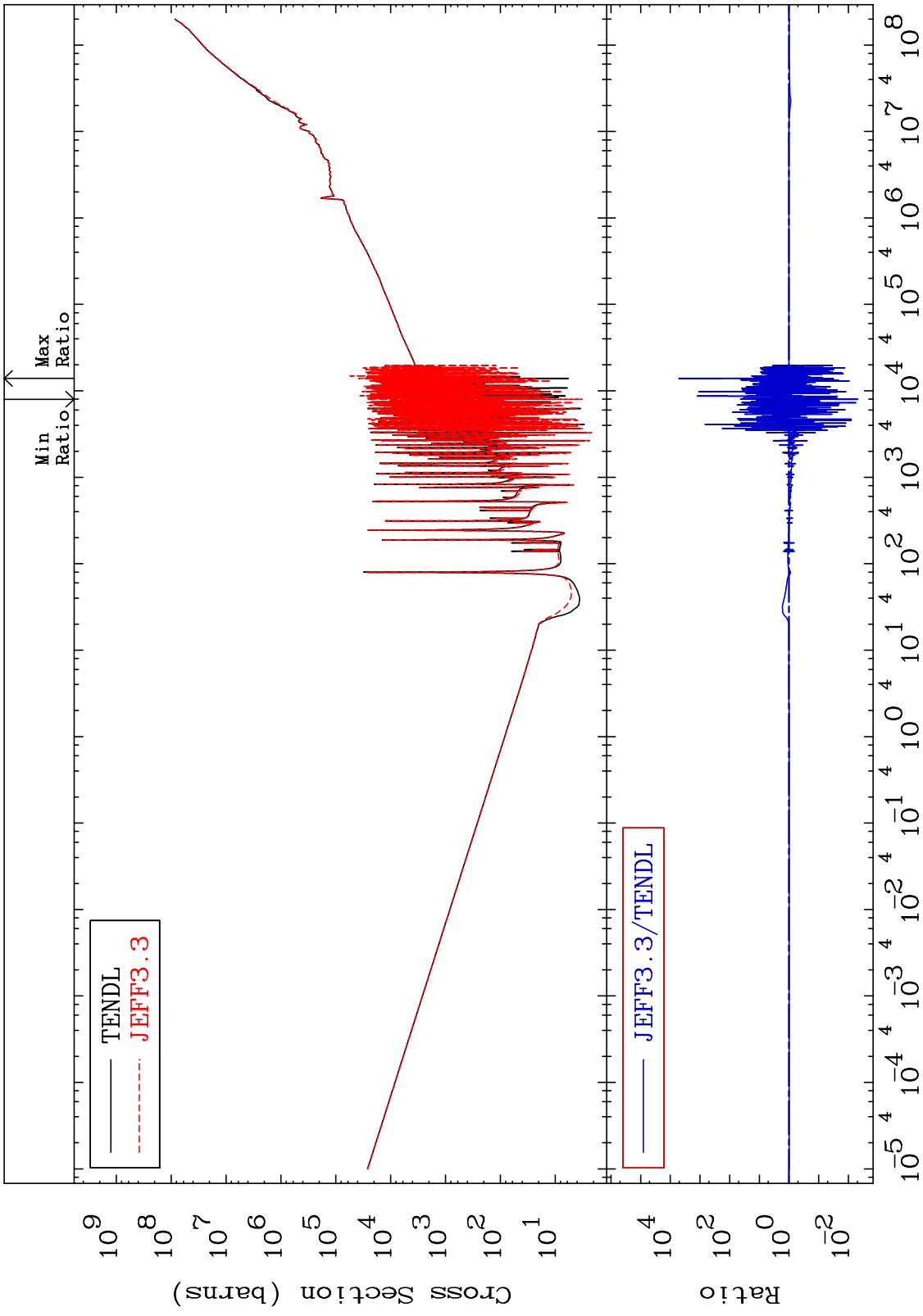
MAT 6843

He-4 Production  
Cross Section

68-Er-168  
-53.38 To 8304. %



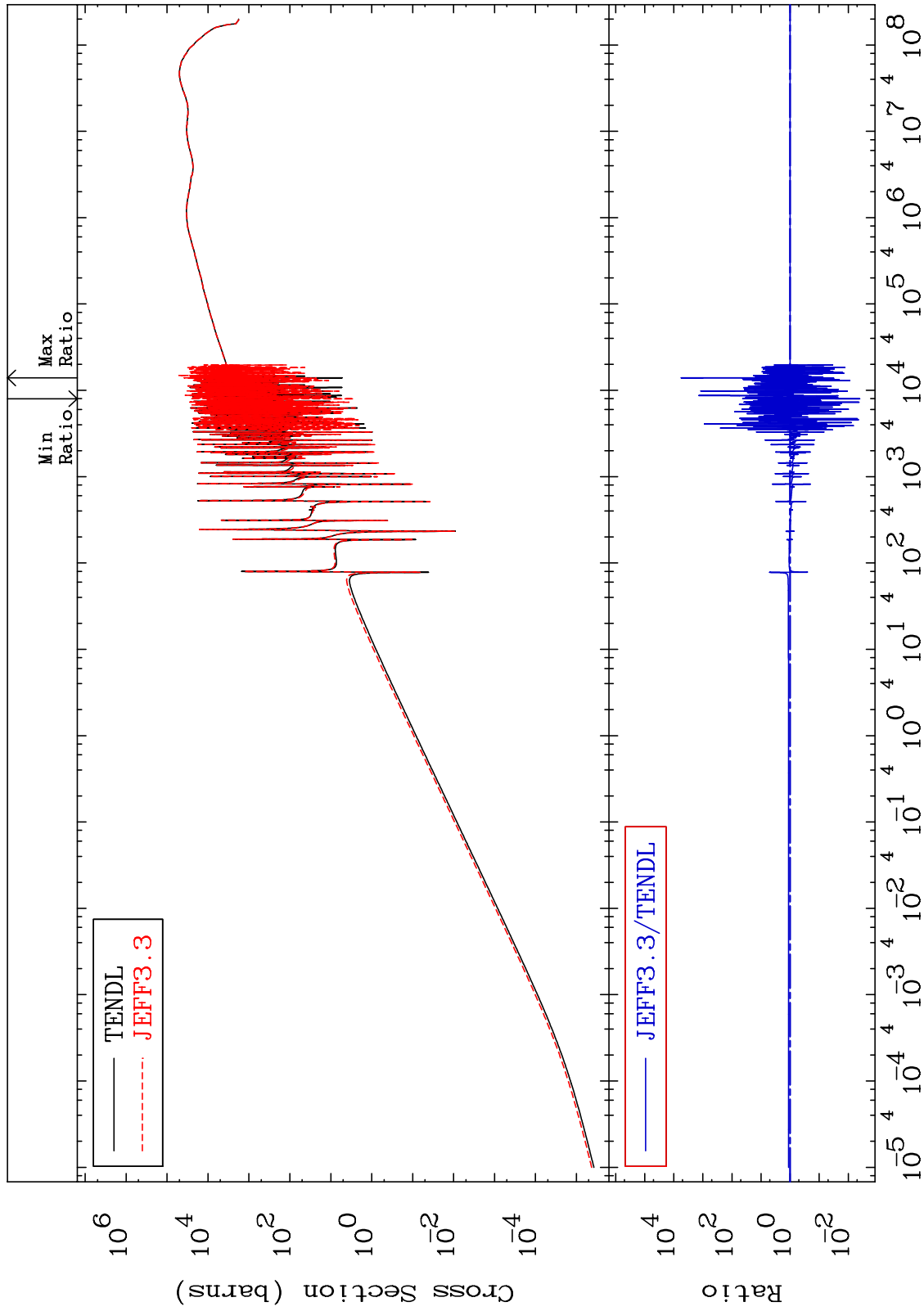
MAT 6843      Kerma total (eV-barns)      68-Er-168  
 Cross Section      -99.52 To 9999. %



MAT 6843

Kerma elastic  
Cross Section

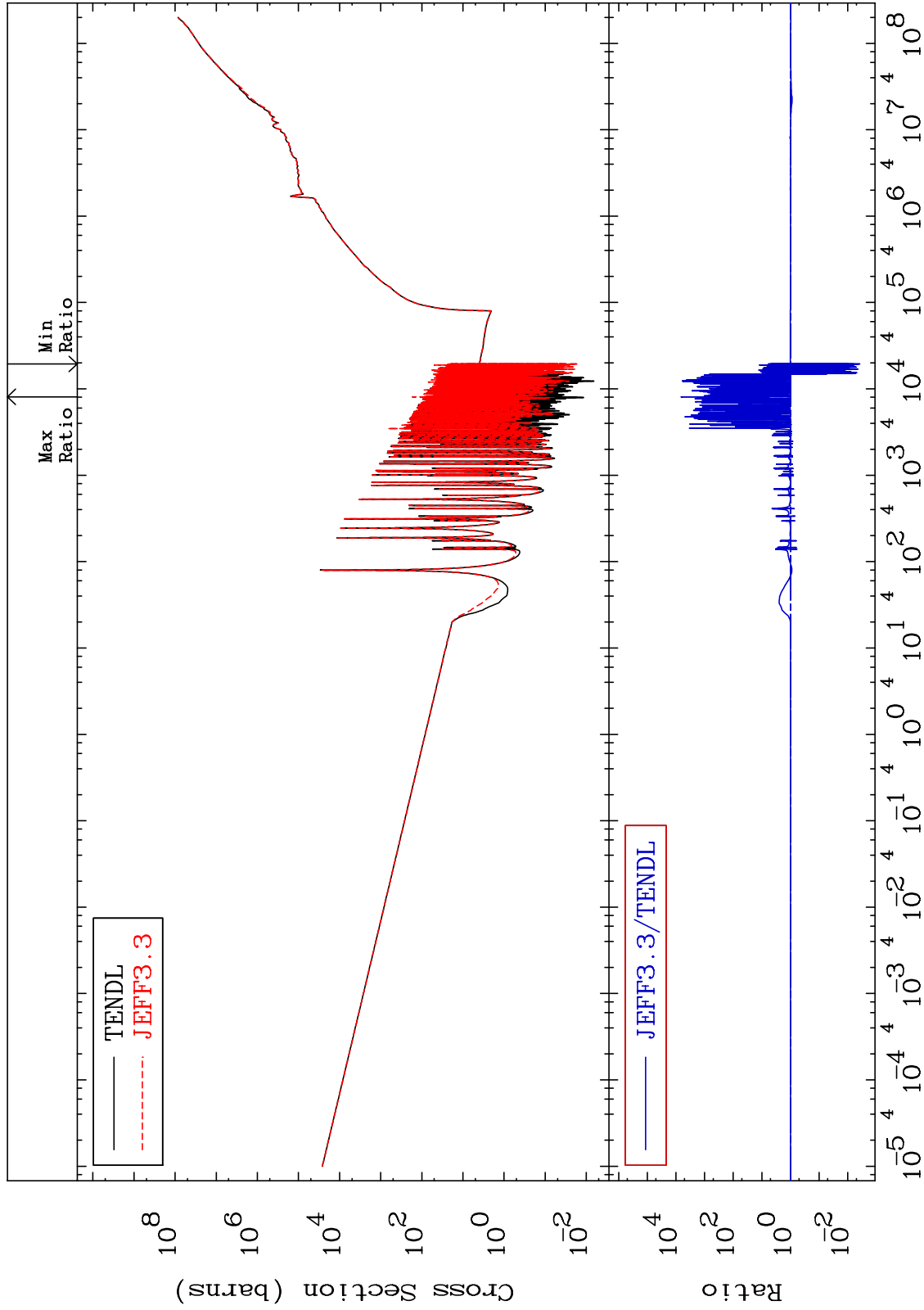
68-Er-168  
-99.60 To 9999. %



MAT 6843

Kerma non-elastic (all but mt2)  
Cross Section

68-Er-168  
-99.62 To 9999. %

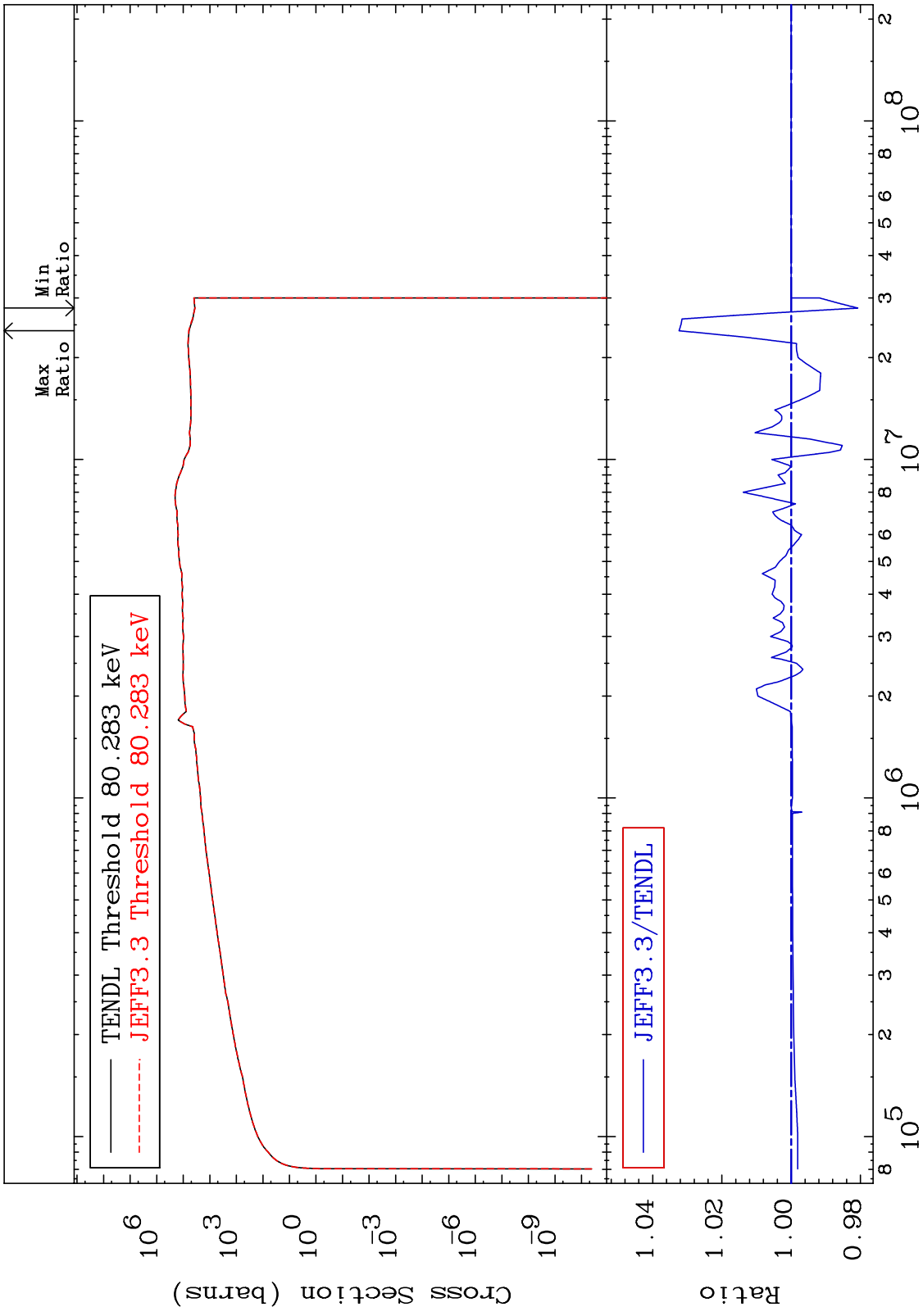


67

Incident Energy (eV)

68-Er-168

MAT 6843      Kerma inelastic (mt51-91)      68-Er-168  
Cross Section      -1.926 To 3.238 %

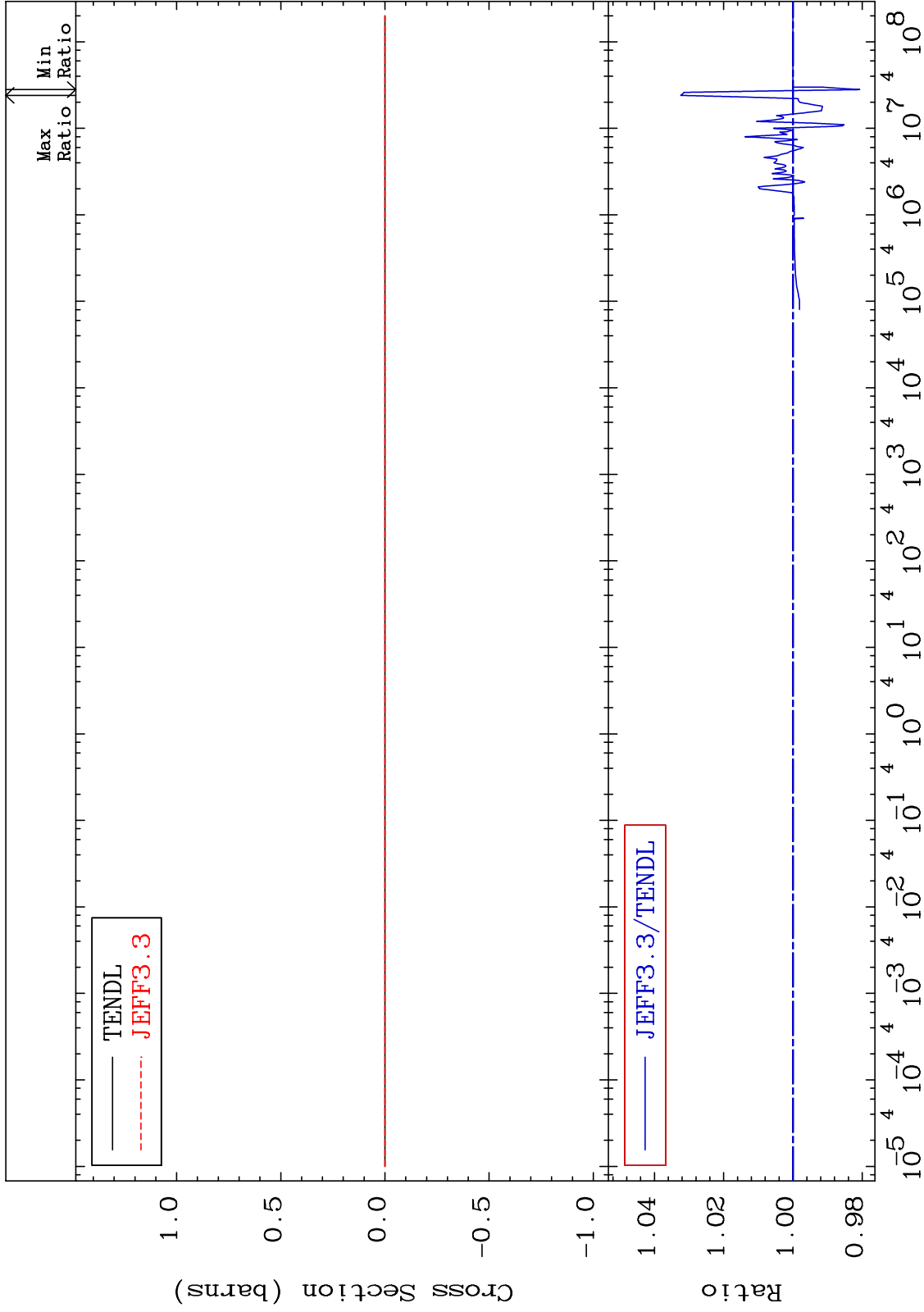


68      Incident Energy (eV)      68-Er-168

MAT 6843

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

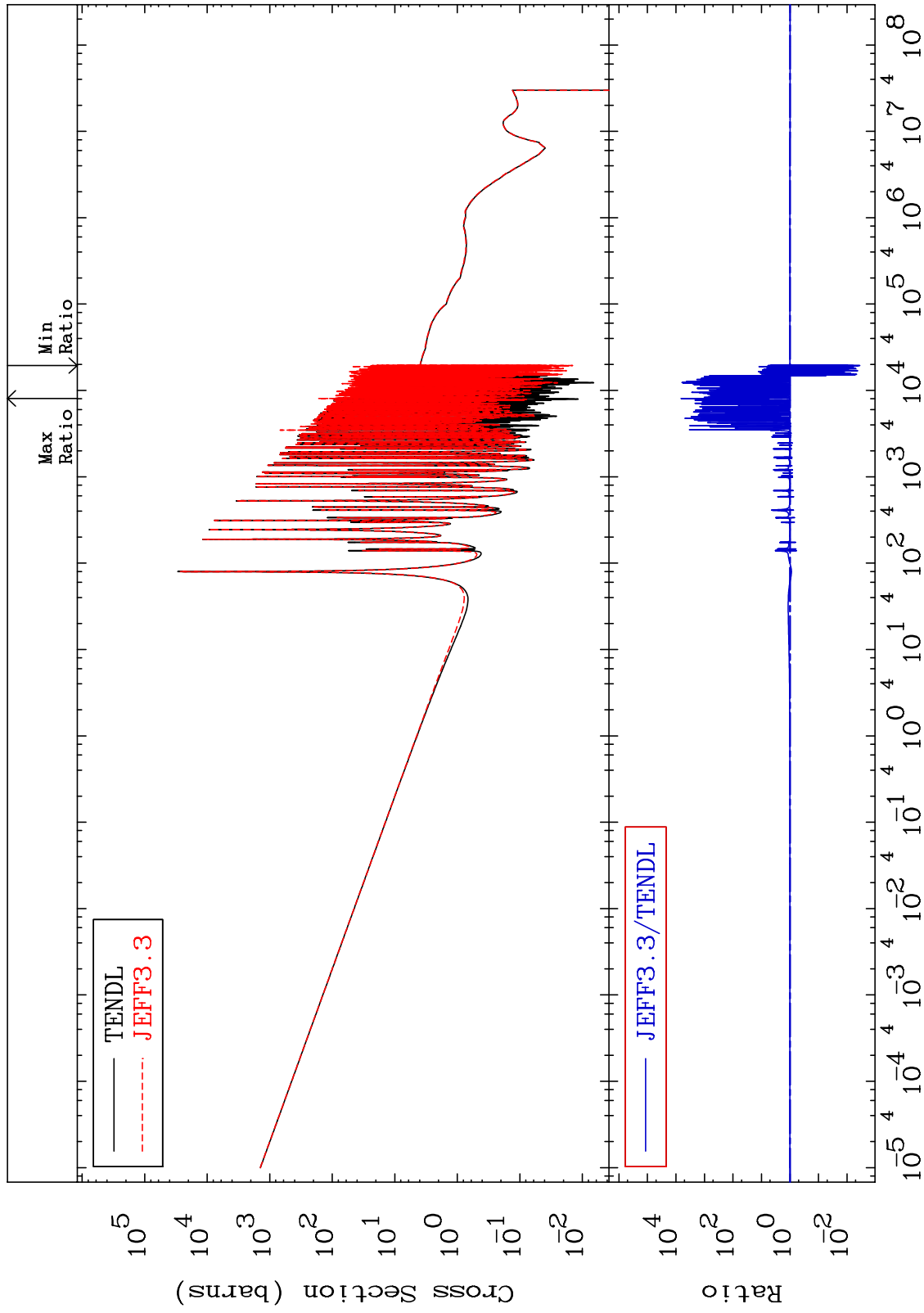
68-Er-168  
-1.926 To 3.238 %



MAT 6843

Kerma capture (mt102)  
Cross Section

68-Er-168  
-99.64 To 9999. %



70

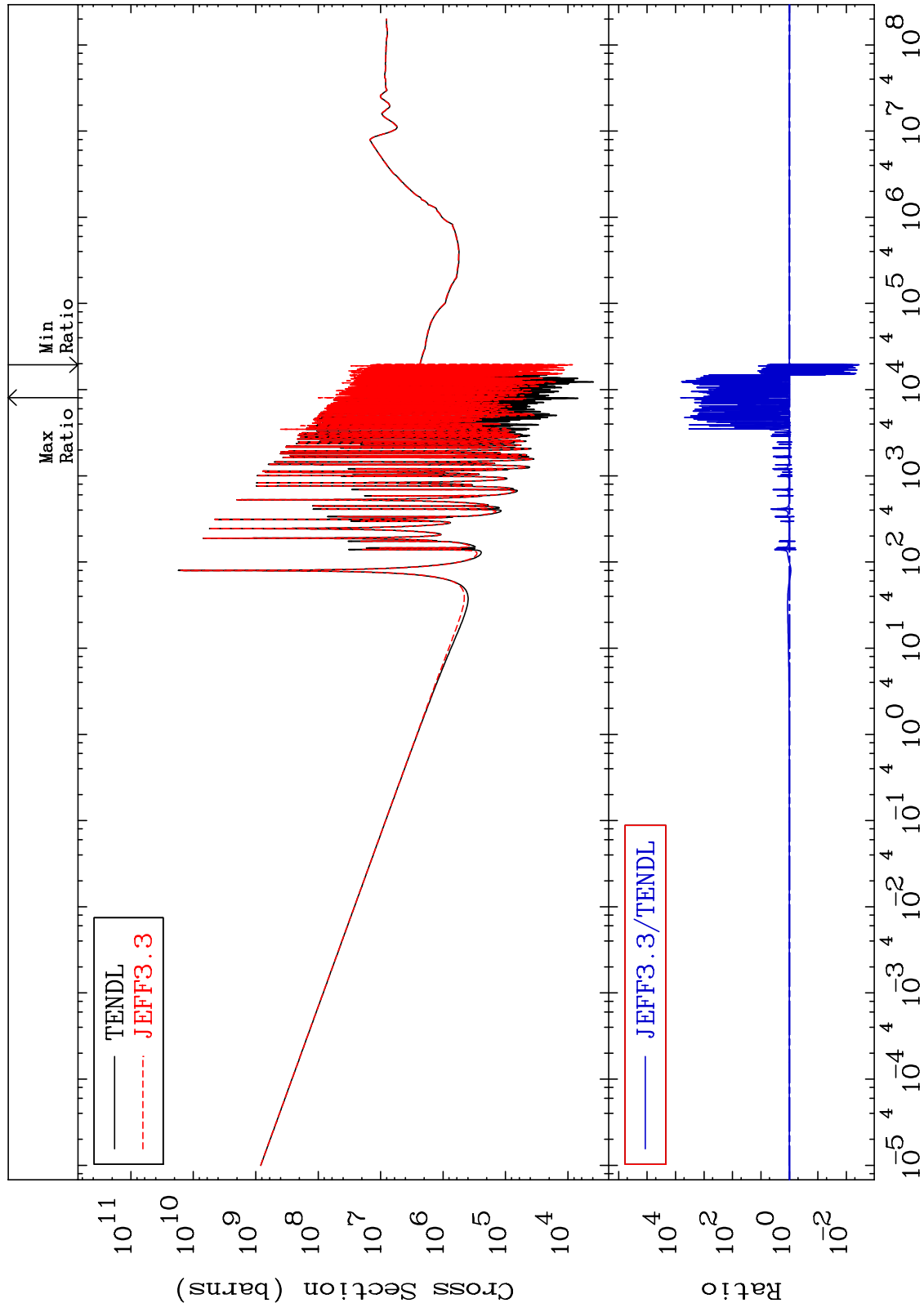
Incident Energy (eV)

68-Er-168

MAT 6843

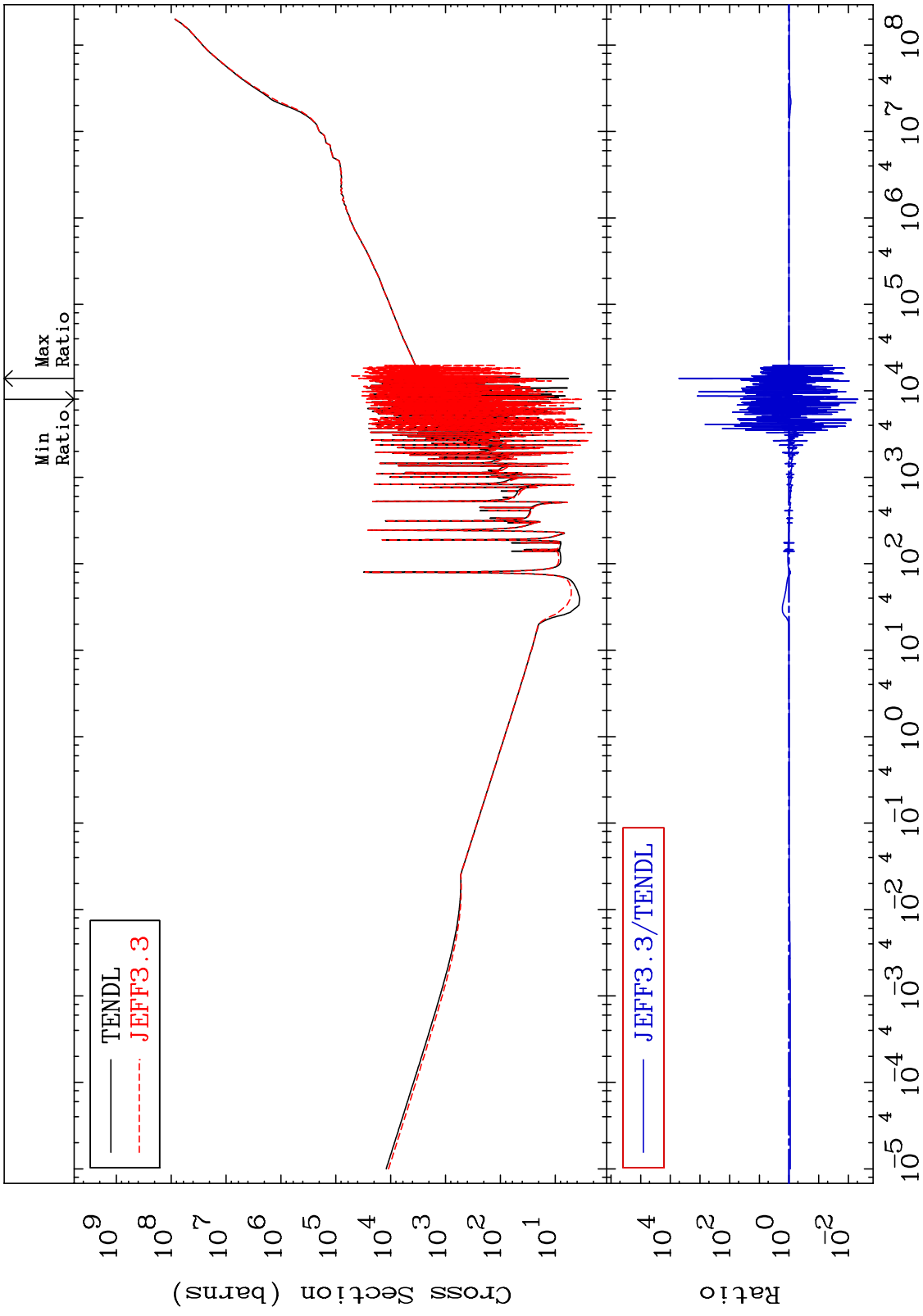
Total photon (eV-barns)  
Cross Section

68-Er-168  
-99.64 To 9999. %

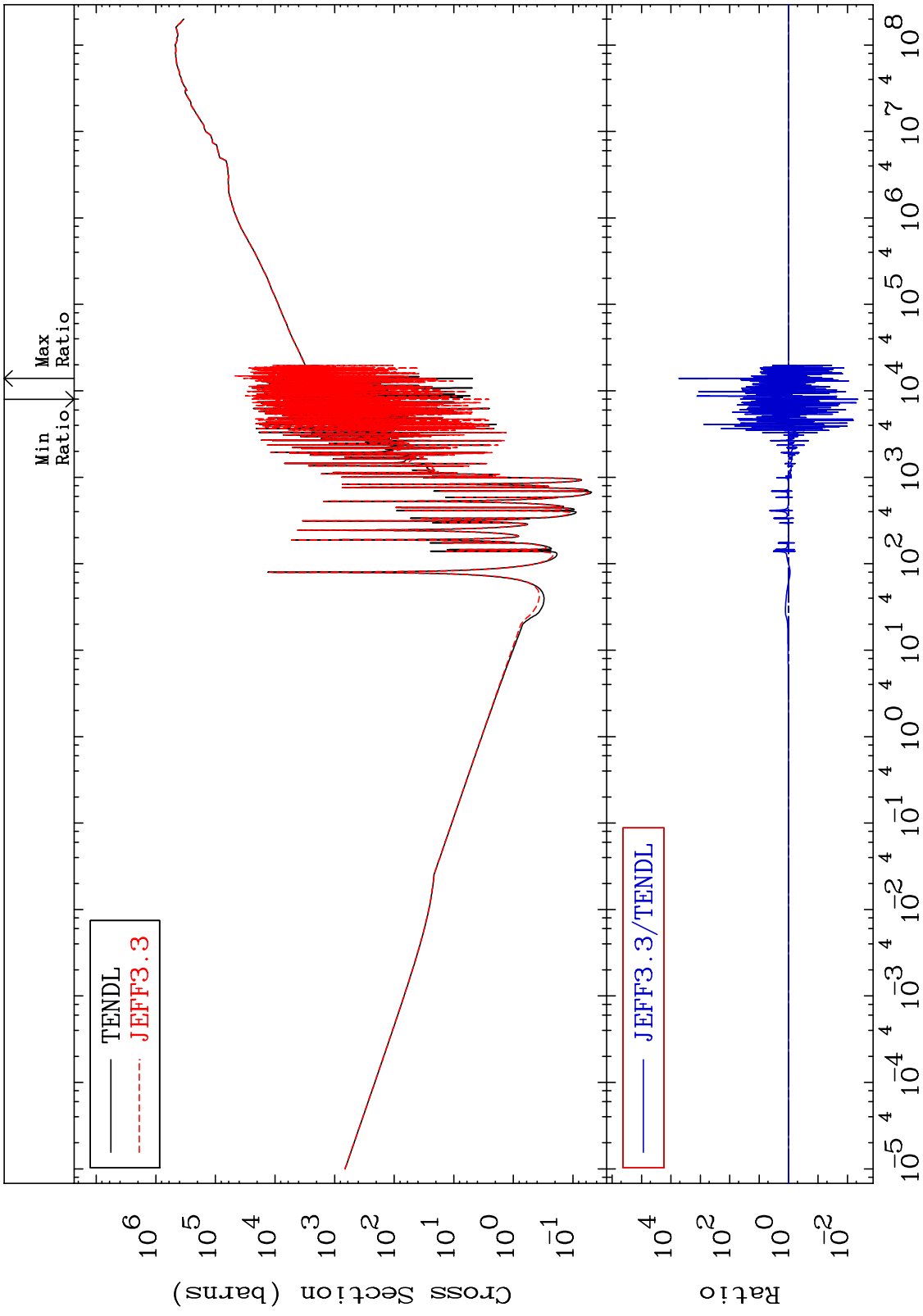




MAT 6843 Total kinematic kerma (high limit) 68-Er-168  
Cross Section -99.52 To 9999. %



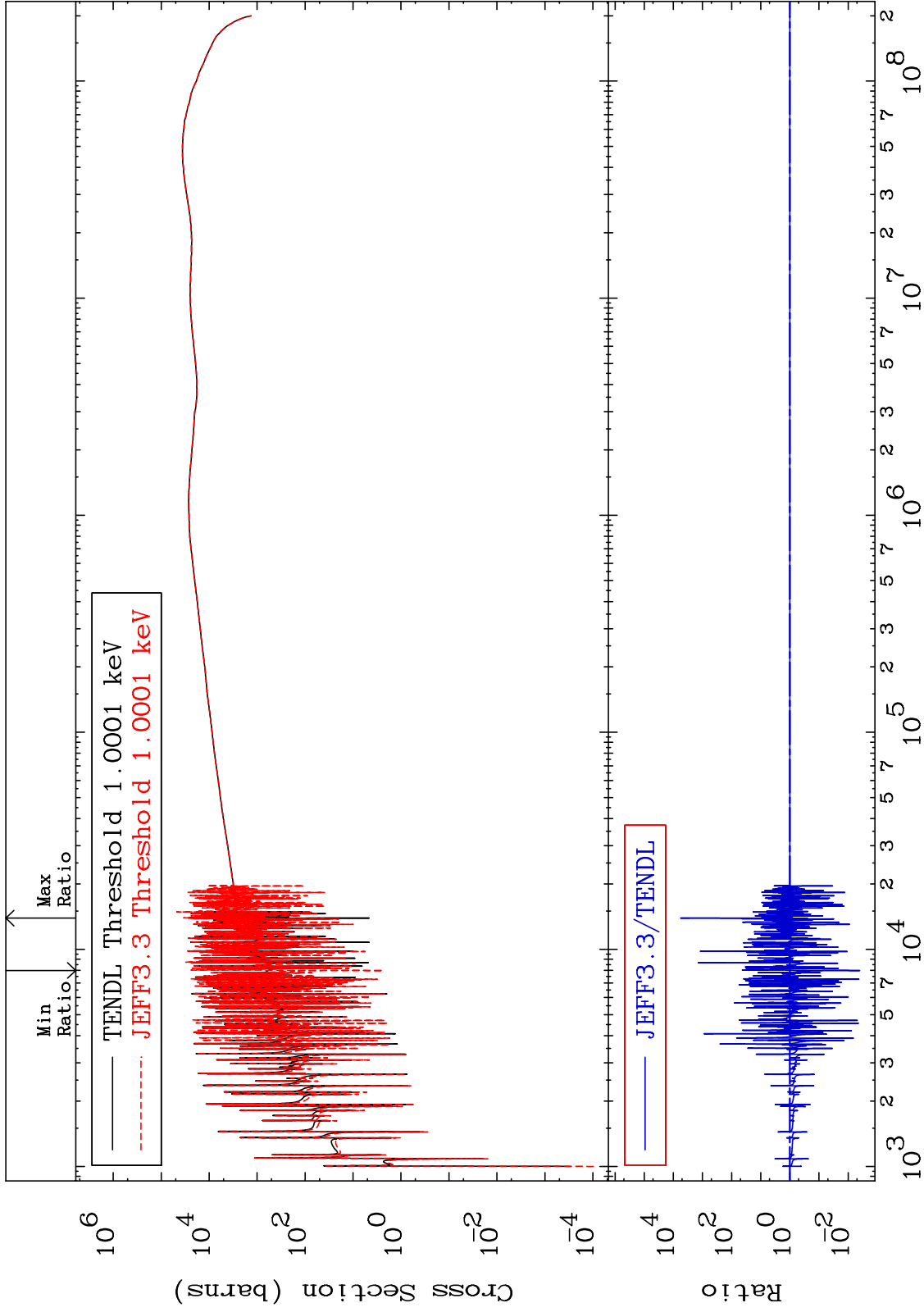
MAT 6843      Dpa total (eV-barns)      68-Er-168  
 Cross Section      -99.56 To 9999. %



MAT 6843

Dpa elastic (mt2)  
Cross Section

68-Er-168  
-99.60 To 9999. %

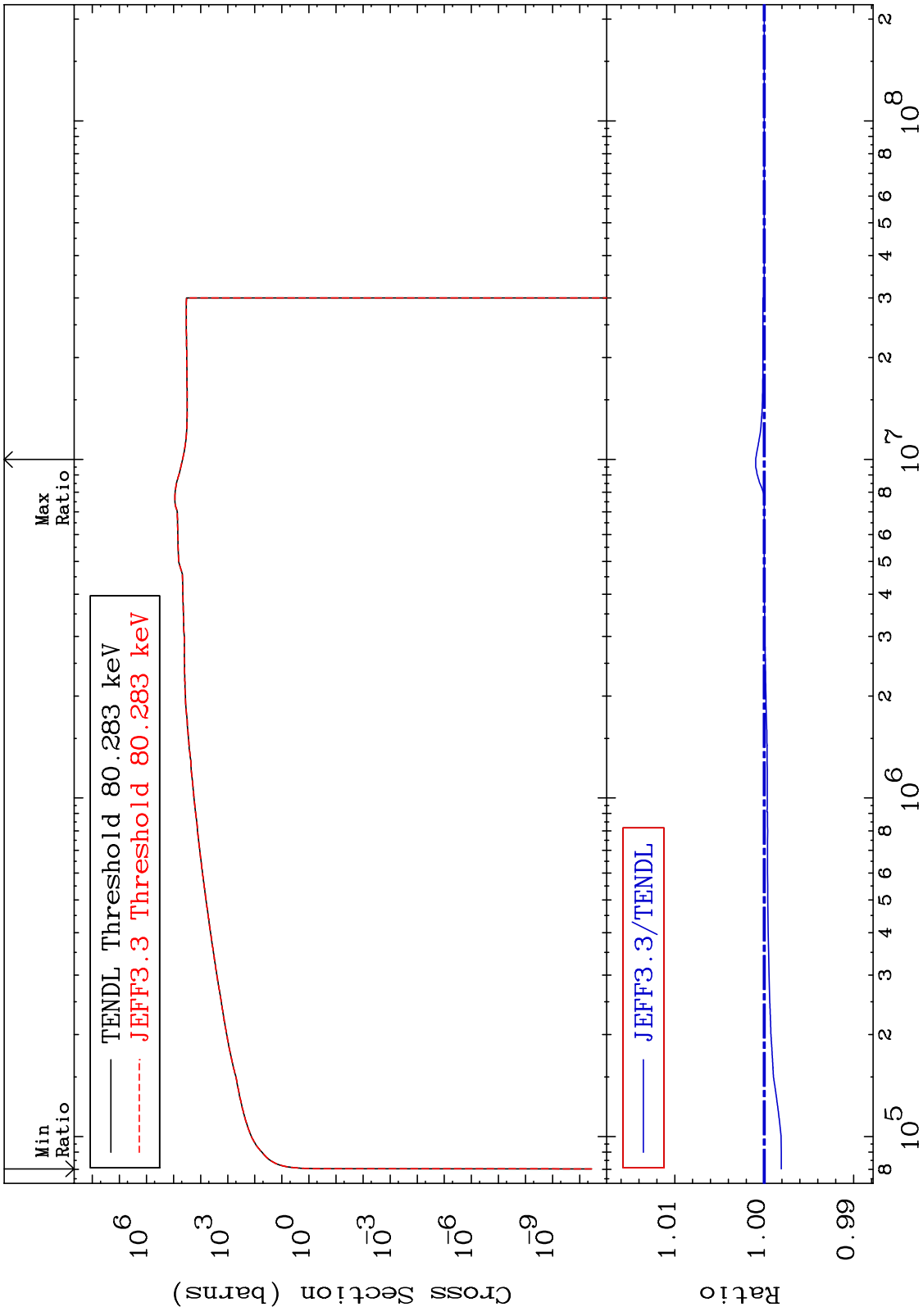


74

Incident Energy (eV)

68-Er-168

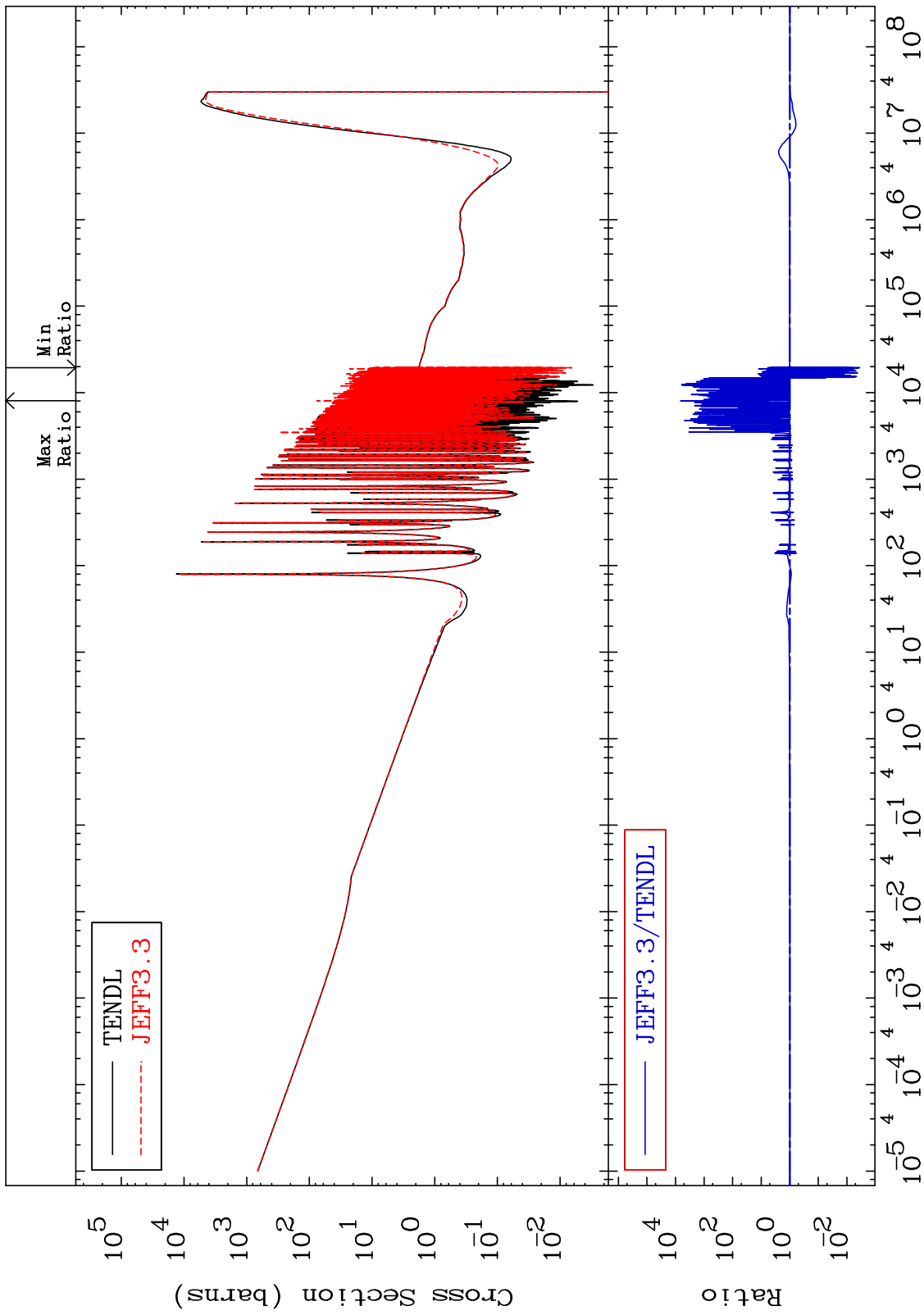
MAT 6843      Dpa inelastic (mt51-91)      68-Er-168  
 Cross Section      -0.191 To 0.095 %



MAT 6843

Dpa disappearance (mt102 -120)  
Cross Section

68-Er-168  
-99.64 To 9999. %



76

Incident Energy (eV)

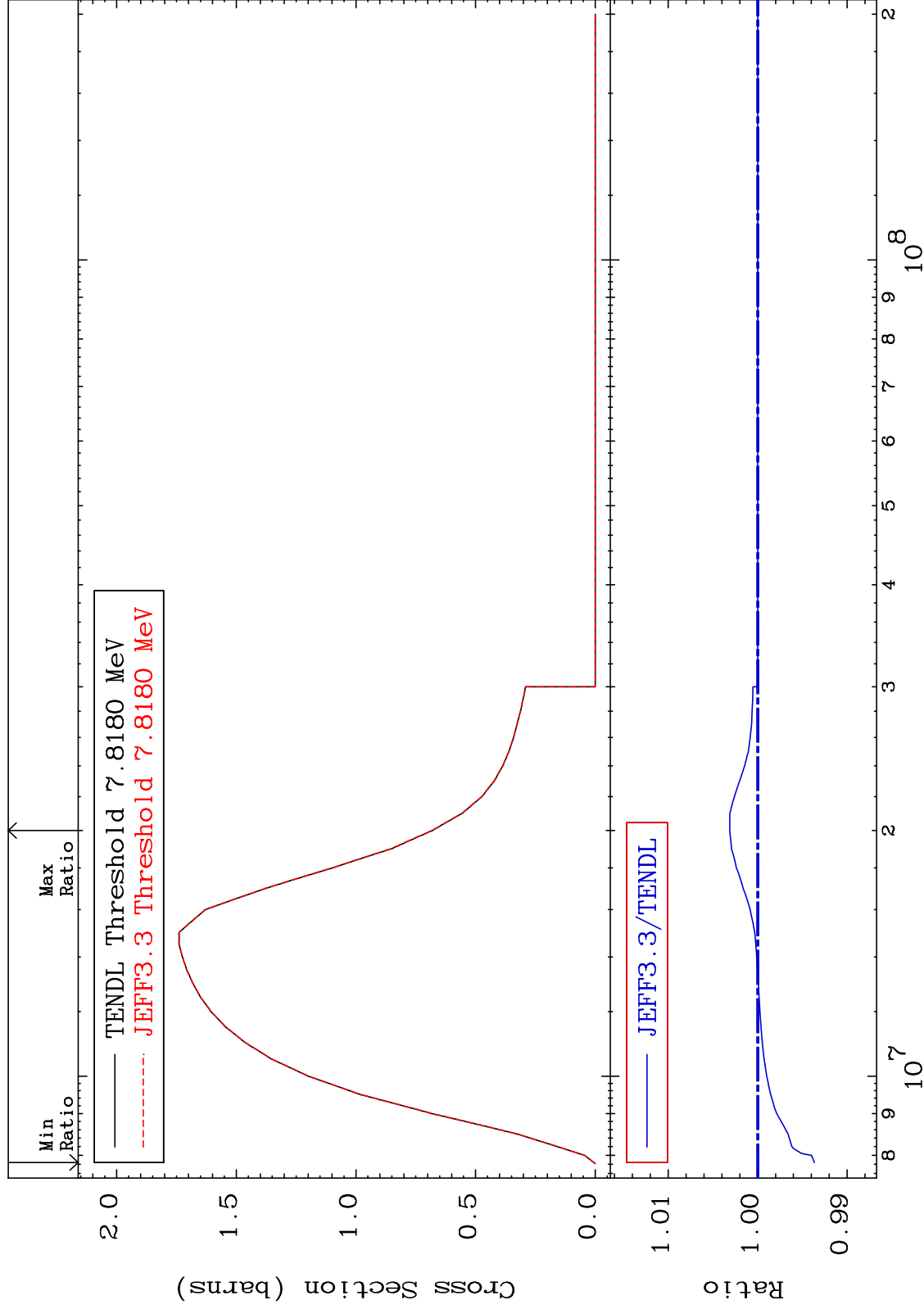
68-Er-168

MAT 6843

(n,2n):68-Er-167g

68-Er-168

Radionuclide Production Cross Section -0.633 To 0.313 %



77

Incident Energy (eV)

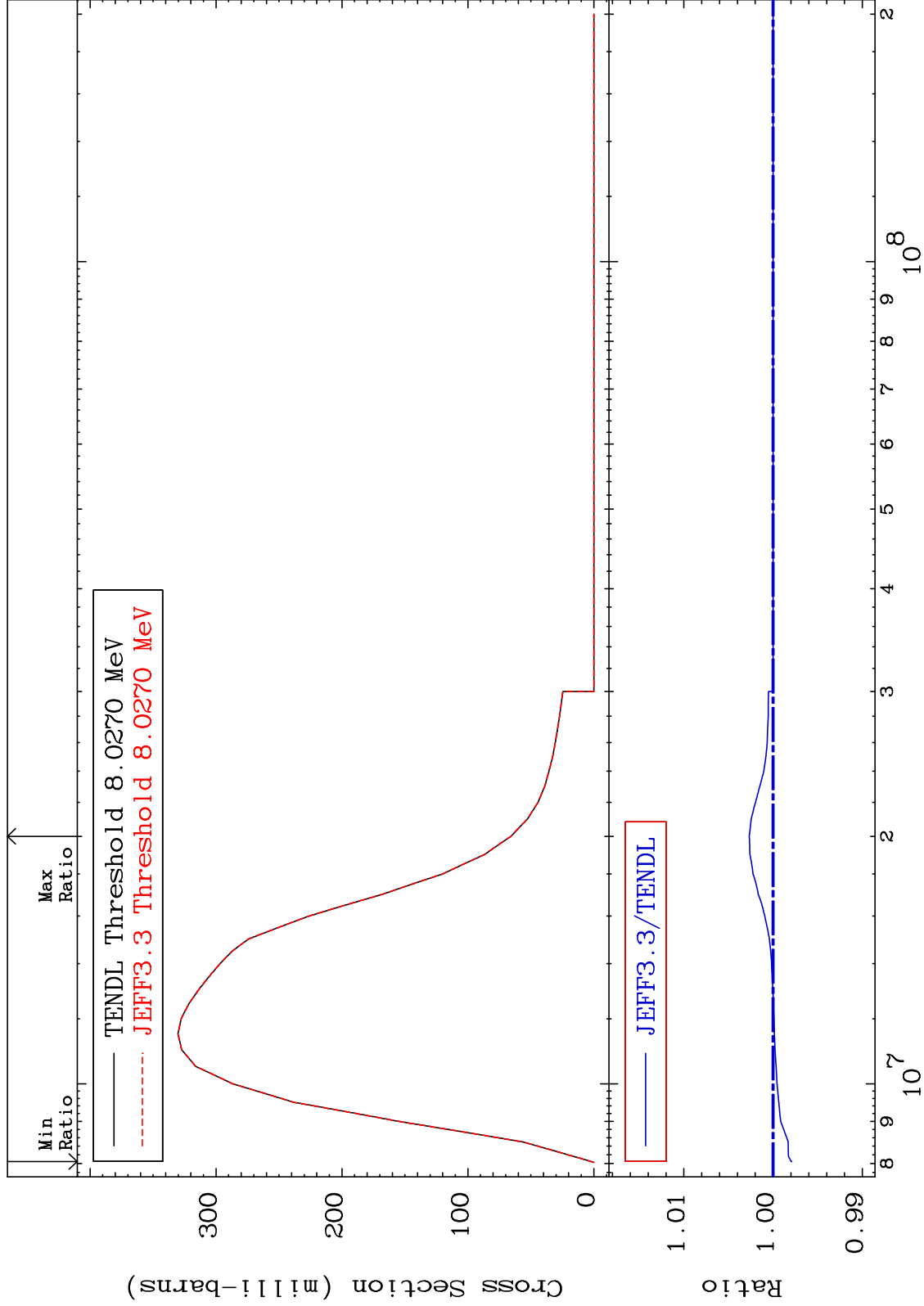
68-Er-168

MAT 6843

(n,2n):68-Er-167m3

68-Er-168

Radionuclide Production Cross Section -0.209 To 0.267 %



78

Incident Energy (eV)

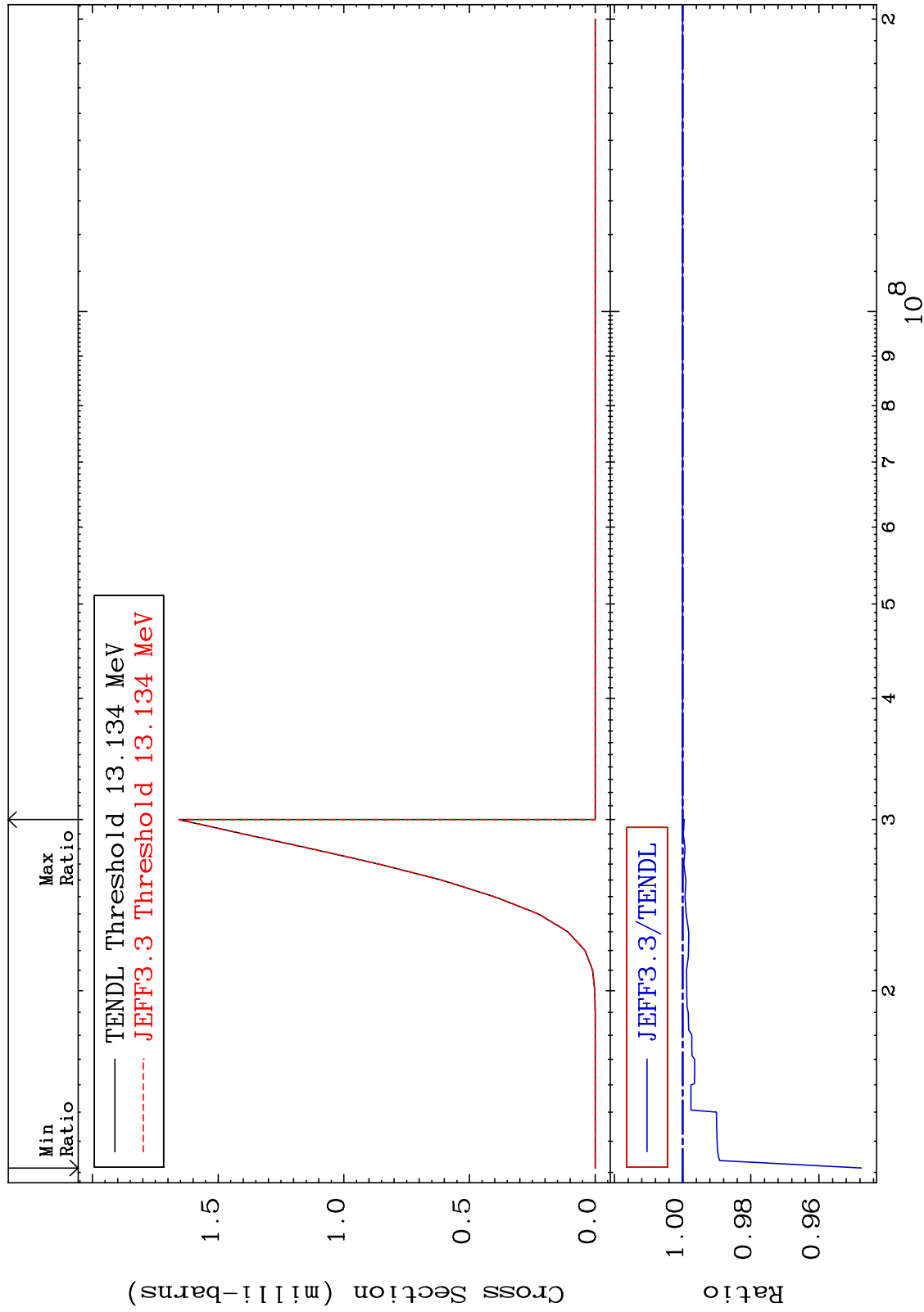
68-Er-168

MAT 6843

(n, n') d:67-Ho-166g

68-Er-168

Radionuclide Production Cross Section -5.243 To 0.000 %



79

Incident Energy (eV)

68-Er-168

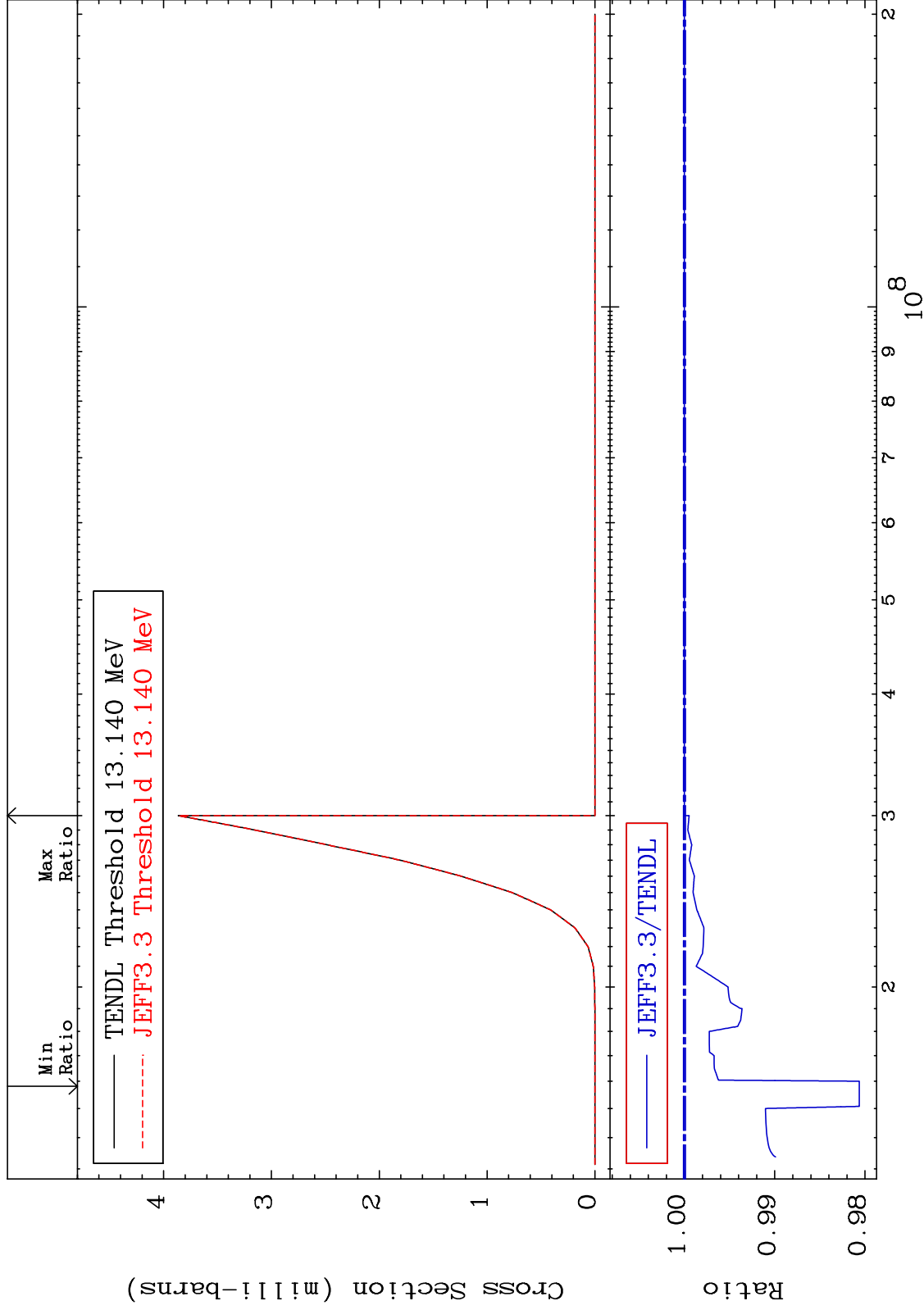


MAT 6843

(n, n') d:67-Ho-166m1

68-Er-168

Radionuclide Production Cross Section -1.937 To 0.000 %

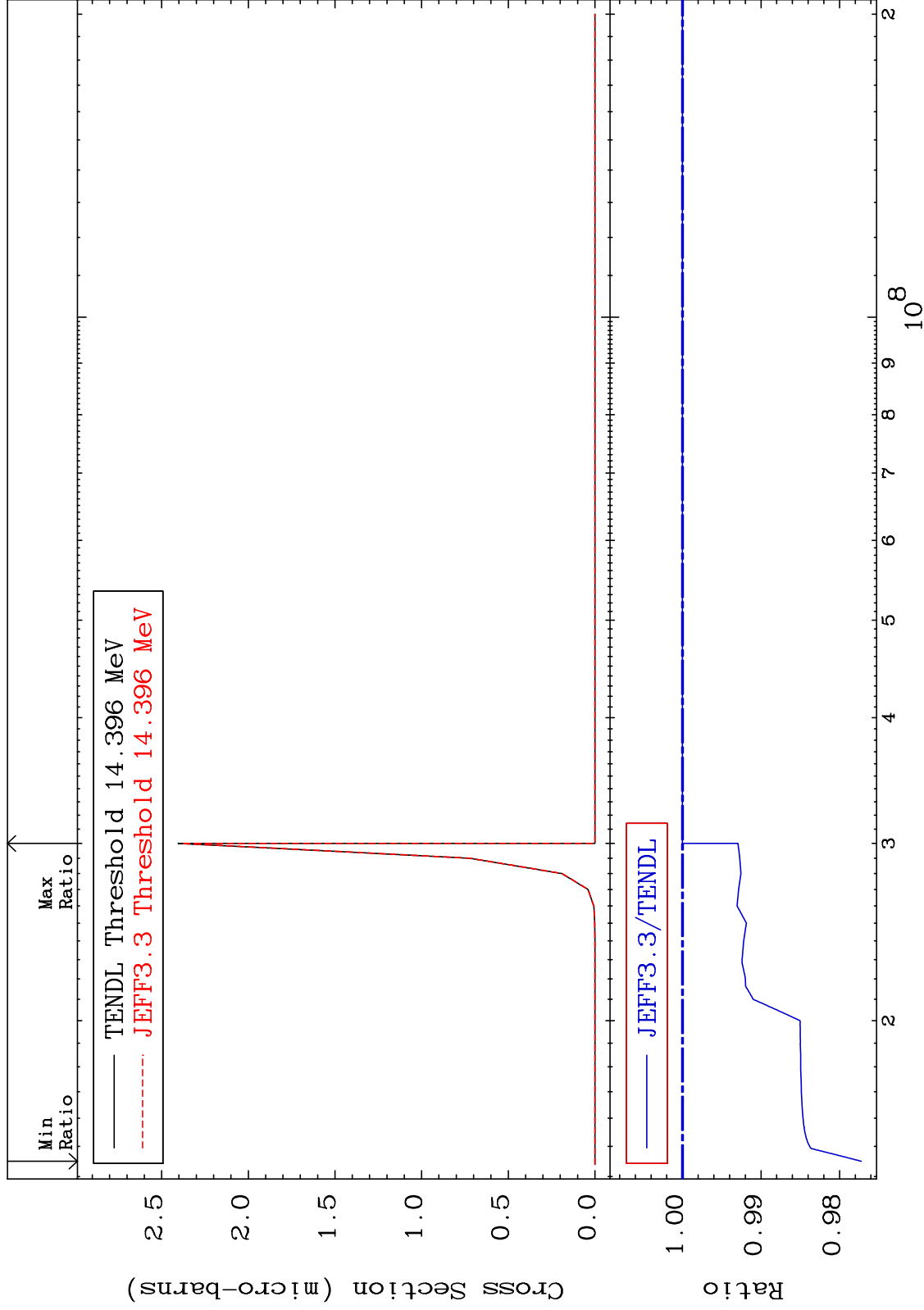


MAT 6843

(n,n') He-3:66-Dy-165g

68-Er-168

Radionuclide Production Cross Section -2.277 To 0.000 %

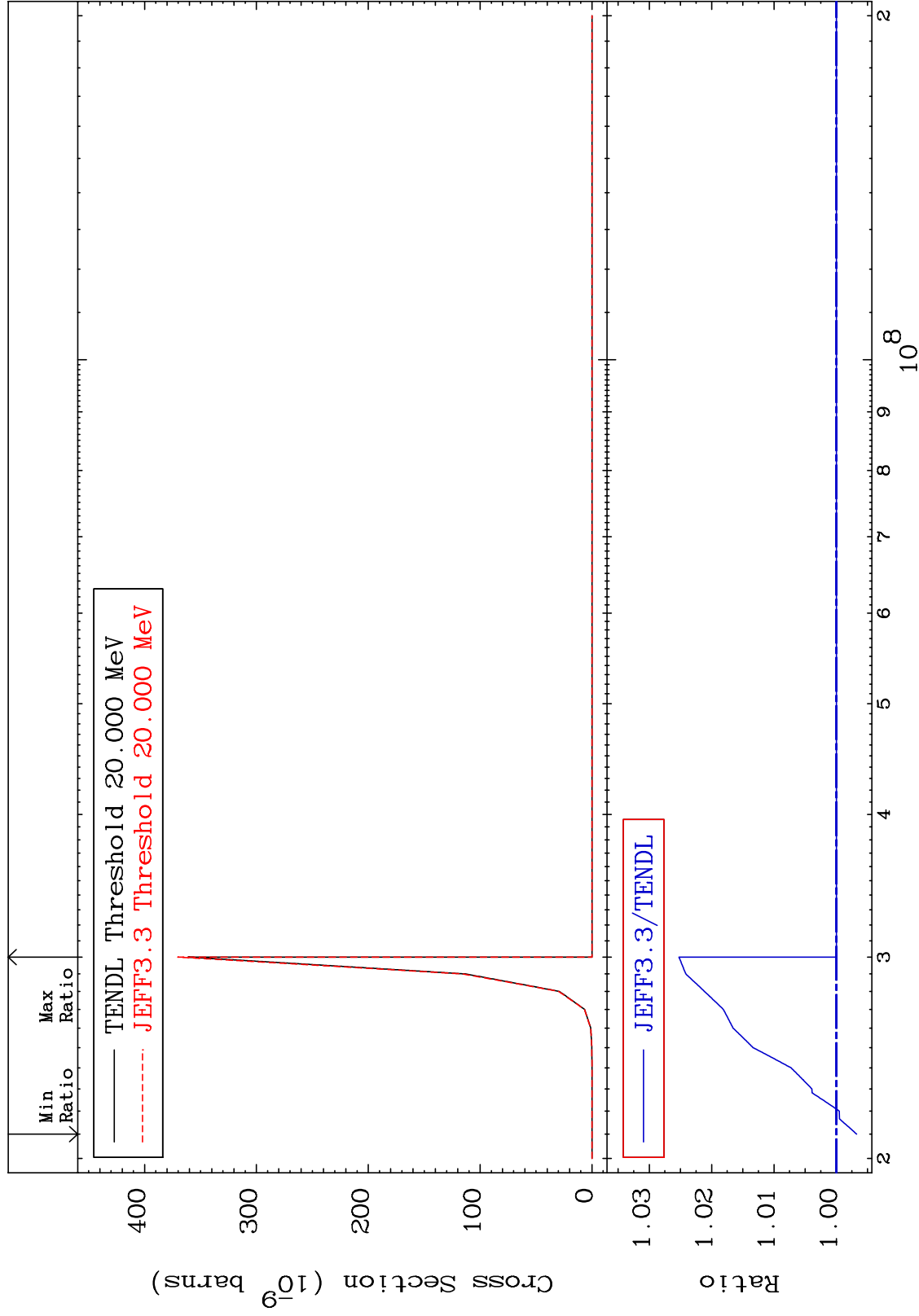


MAT 6843

(n,n') He-3:66-Dy-165m2

68-Er-168

Radionuclide Production Cross Section -0.326 To 2.524 %

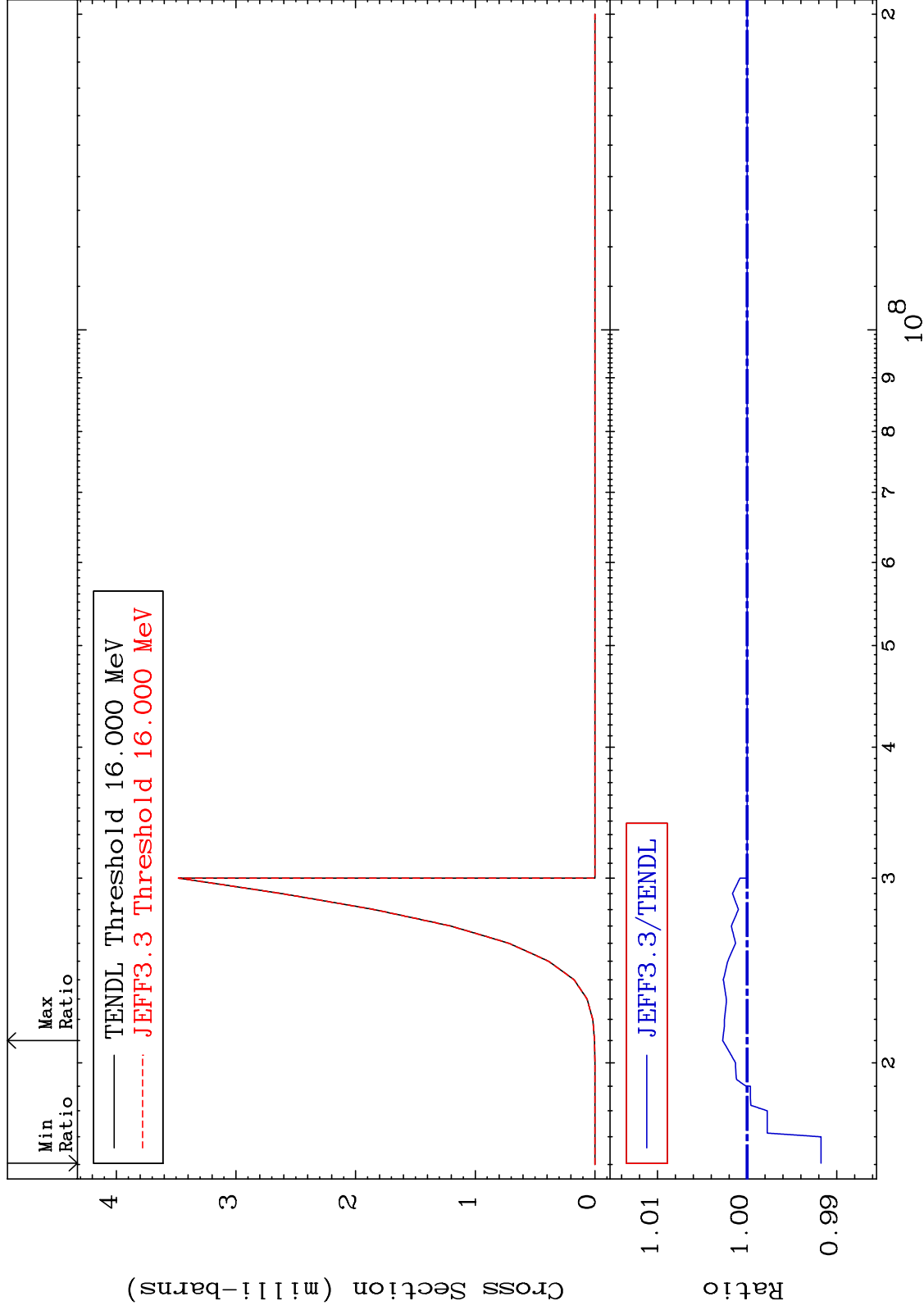


MAT 6843

(n,2n) p:67-Ho-166g

68-Er-168

Radionuclide Production Cross Section -0.824 To 0.273 %

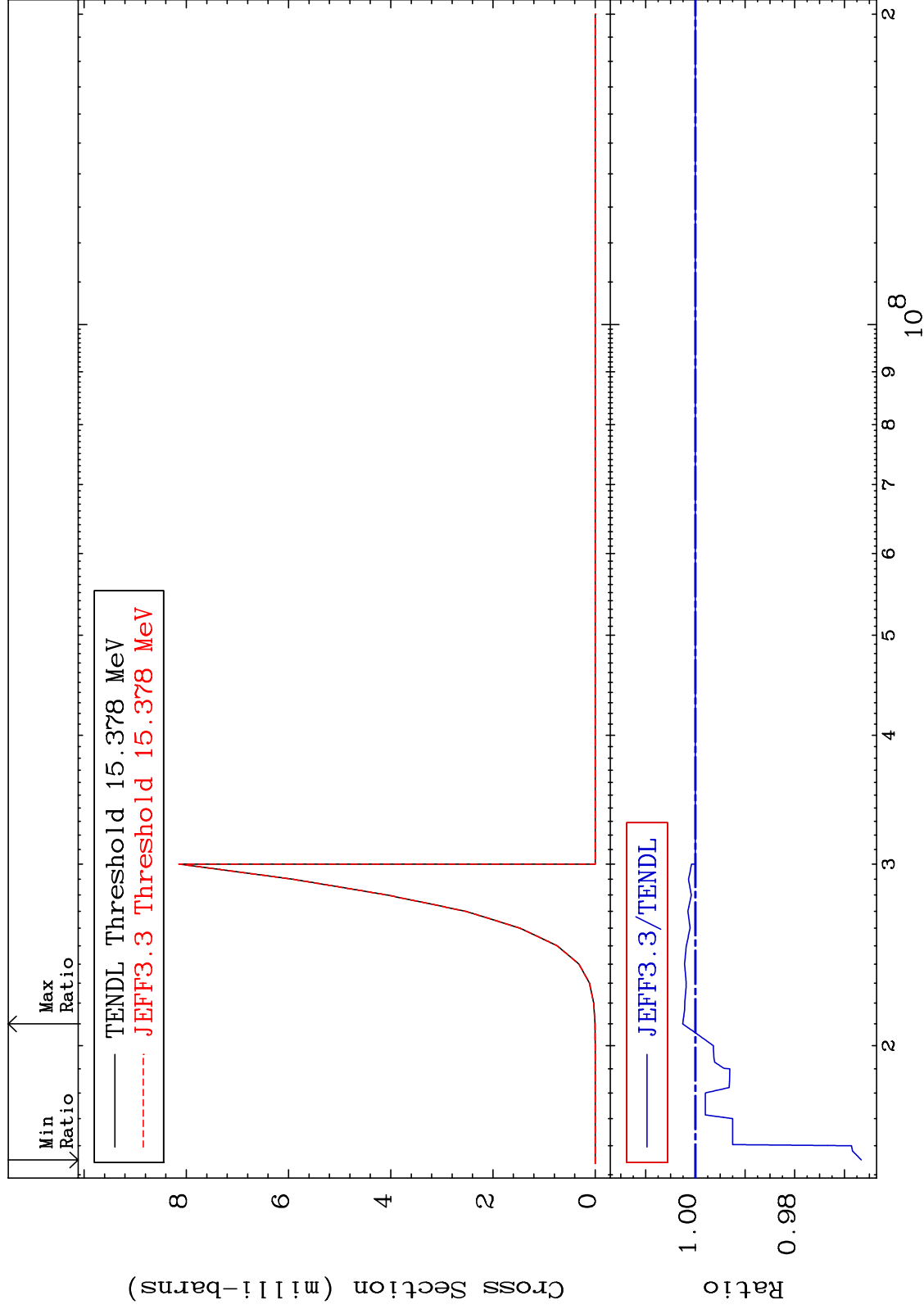


MAT 6843

(n,2n) p:67-Ho-166m1

68-Er-168

Radionuclide Production Cross Section -3.339 To 0.255 %

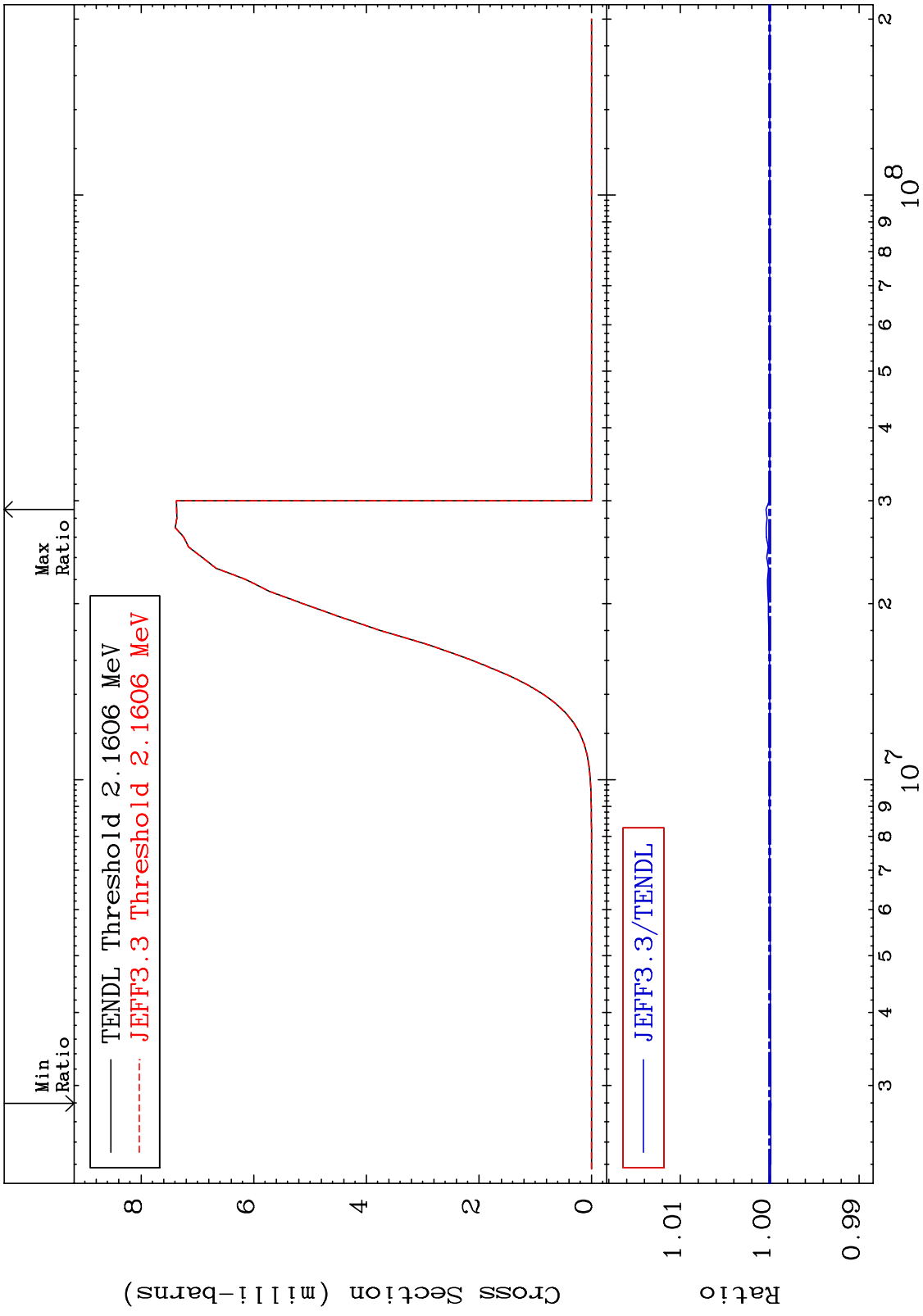


84

Incident Energy (eV)

68-Er-168

MAT 6843 (n,p):67-Ho-168g 68-Er-168  
 Radionuclide Production Cross Section -0.014 To 0.041 %

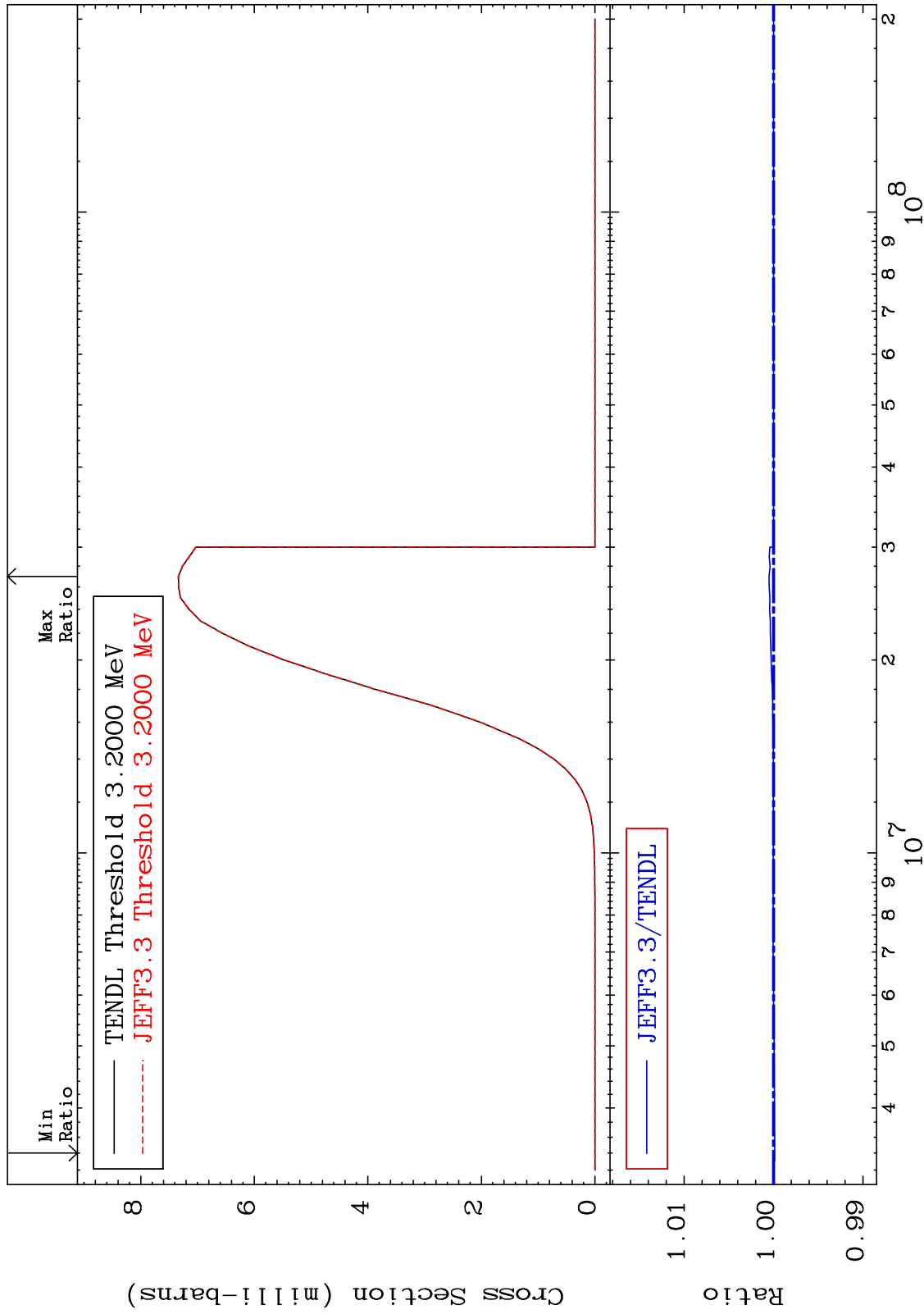


MAT 6843

(n, p) : 67-Ho-168m1

68-Er-168

Radionuclide Production Cross Section -0.014 To 0.050 %



86

Incident Energy (eV)

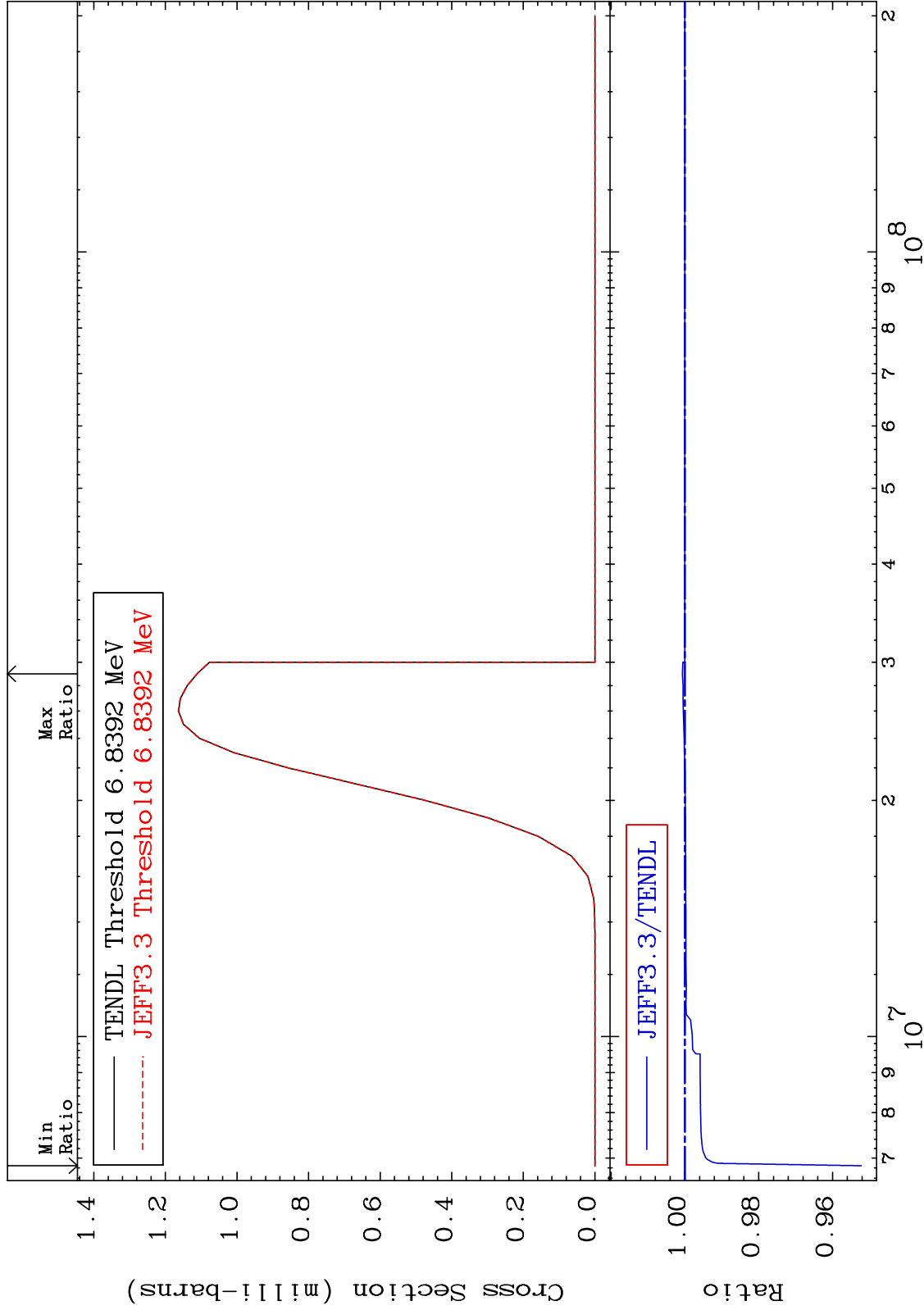
68-Er-168

MAT 6843

(n, t): 67-Ho-166g

68-Er-168

Radionuclide Production Cross Section -4.779 To 0.065 %



87

Incident Energy (eV)

68-Er-168

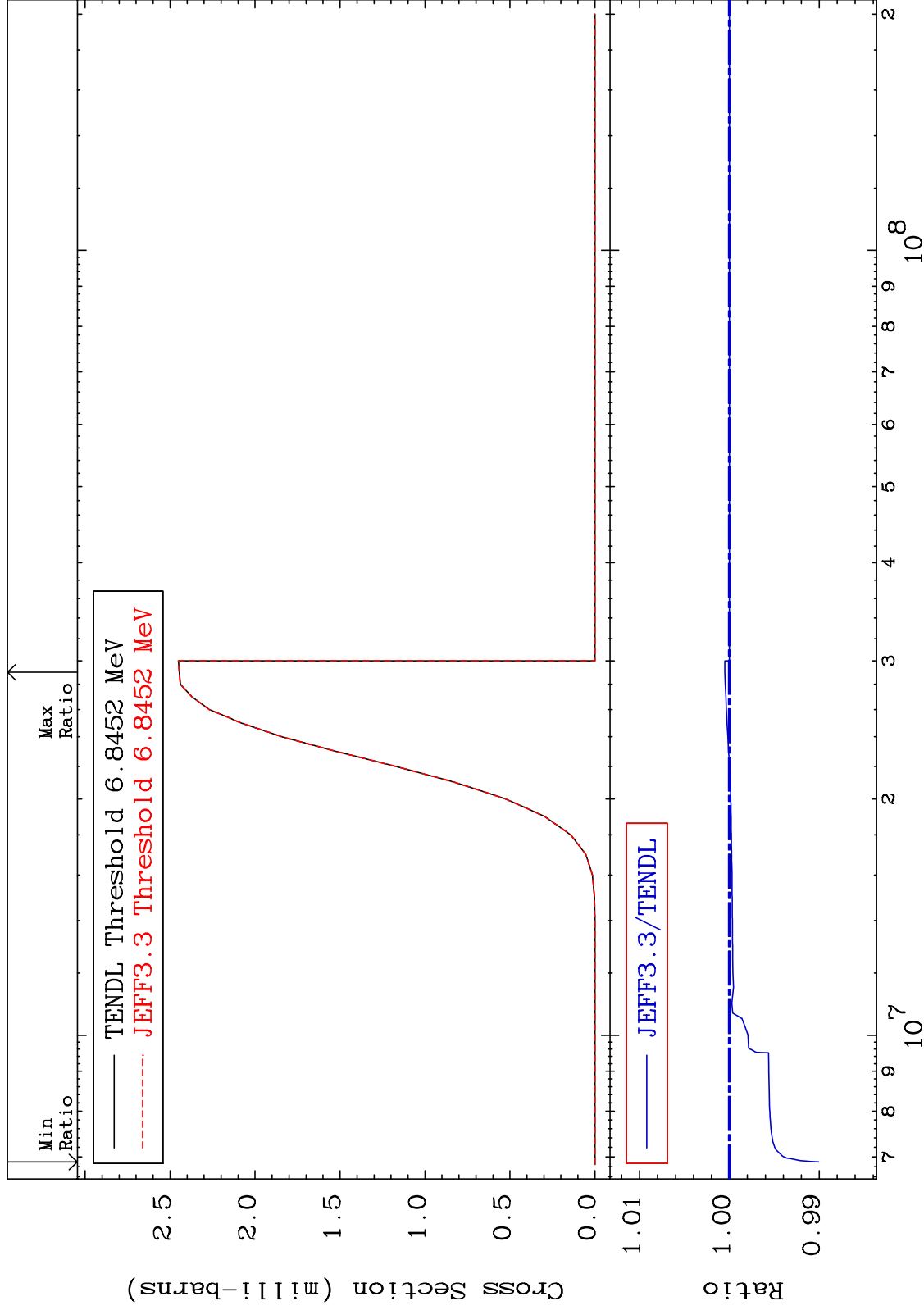


MAT 6843

(n, t): 67-Ho-166m1

68-Er-168

Radionuclide Production Cross Section -0.996 To 0.051 %



88

Incident Energy (eV)

68-Er-168