

Program Complot  
(Version 2018-1)

by

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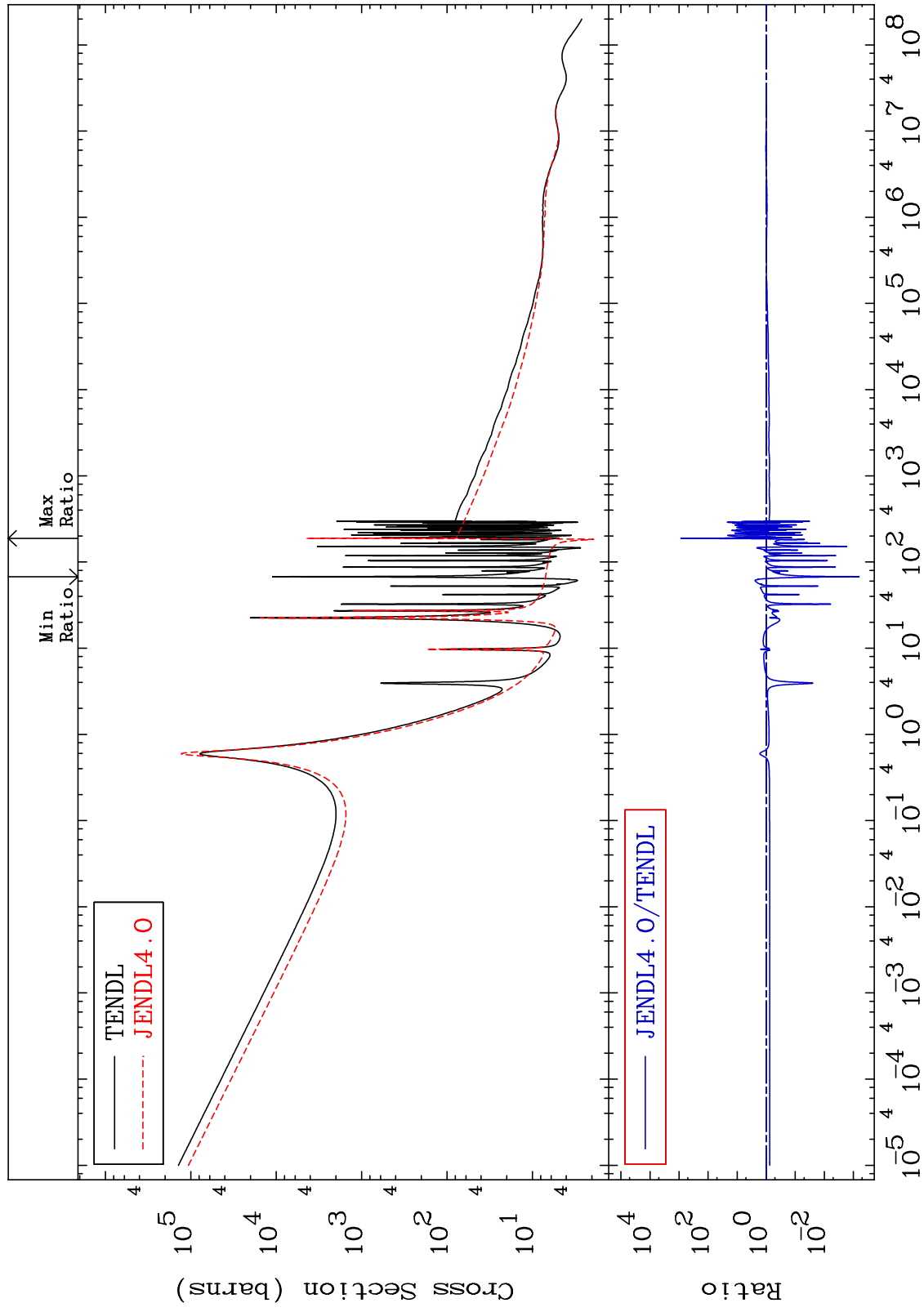
U.S.A.

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

Press Mouse Button to Start

MAT 7025 70-Yb-168  
Total Cross Section -99.94 To 9999. %



70-Yb-168

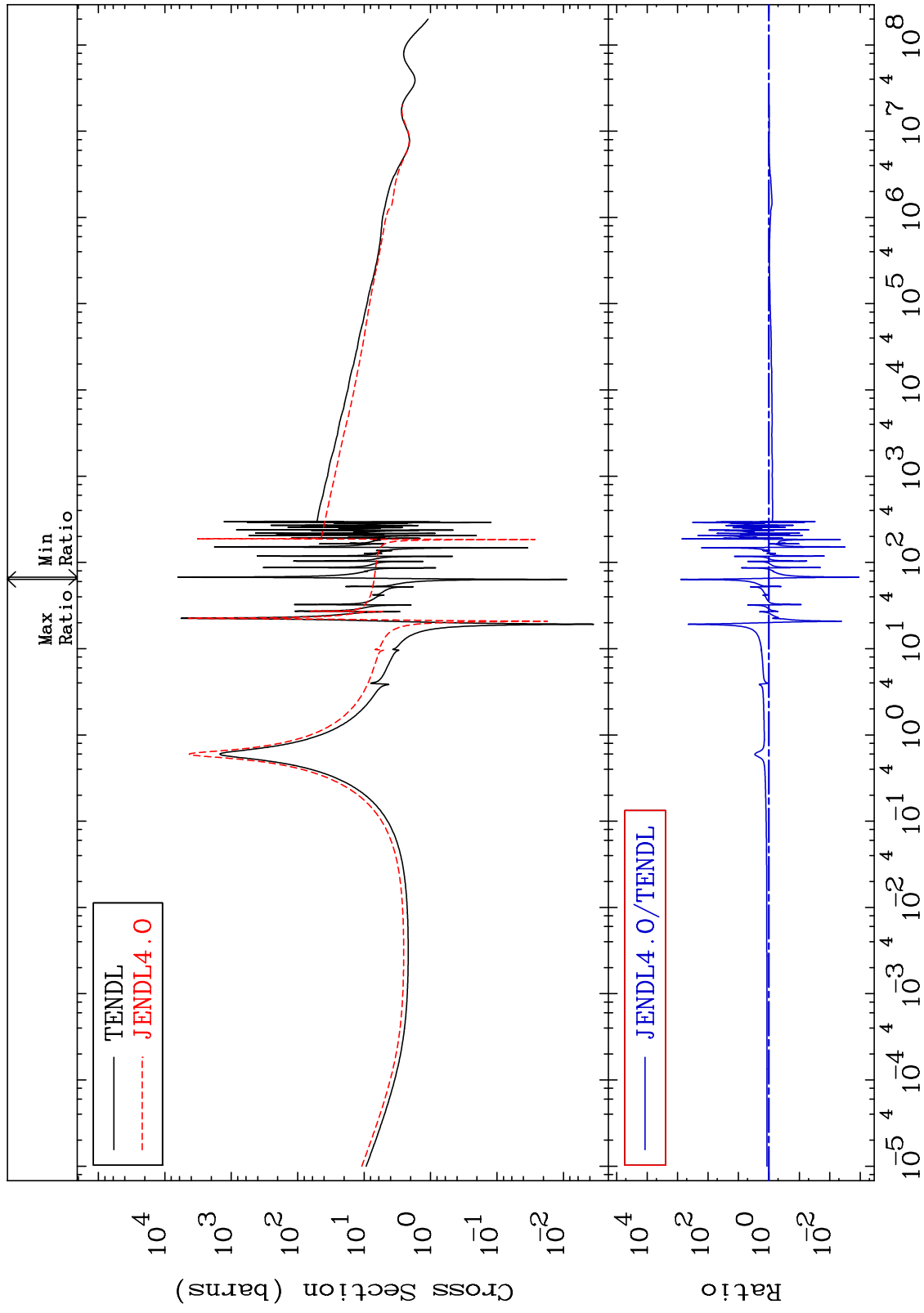
Incident Energy (eV)

1

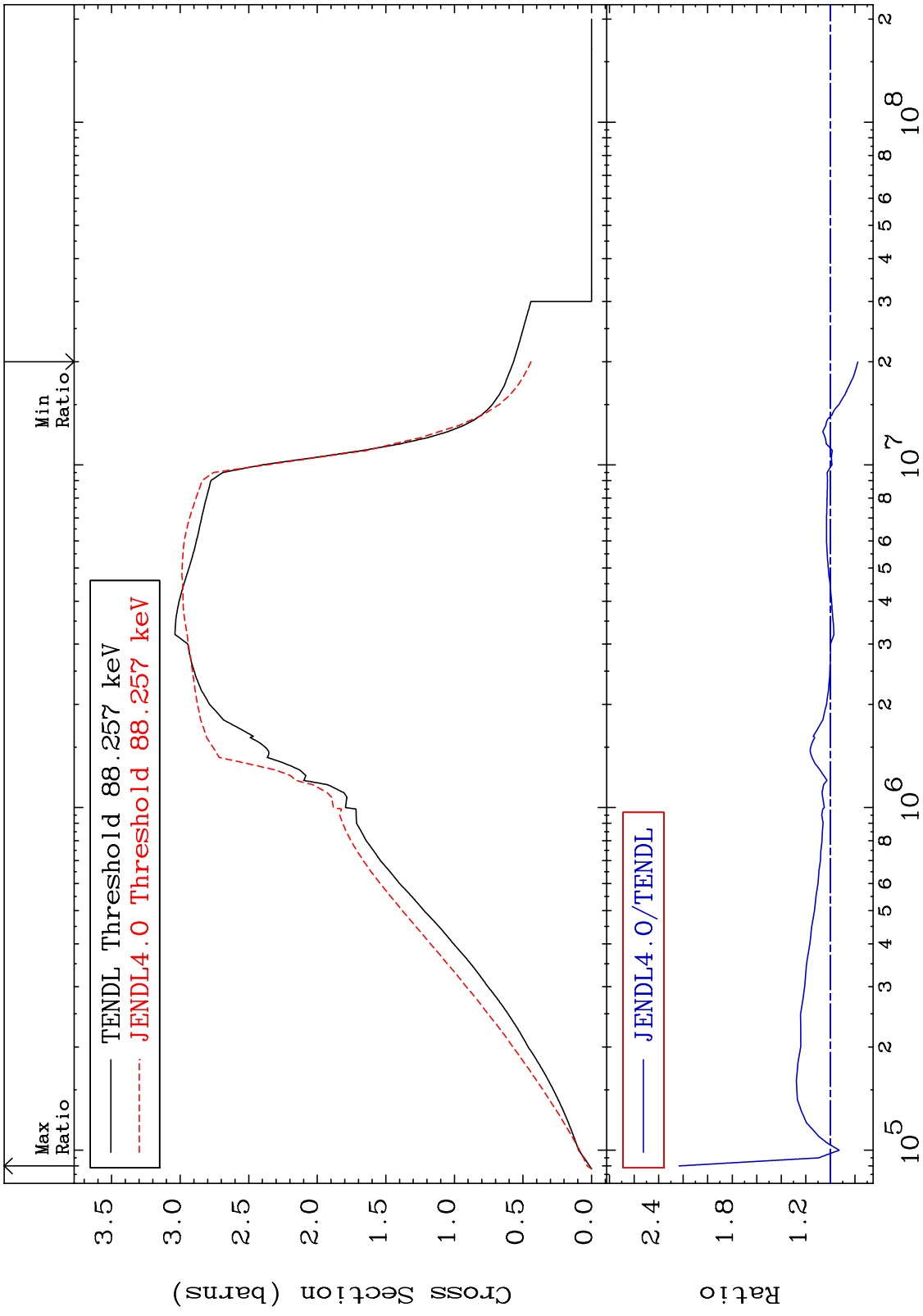
MAT 7025

Elastic  
Cross Section

70-Yb-168  
-99.89 To 9999. %

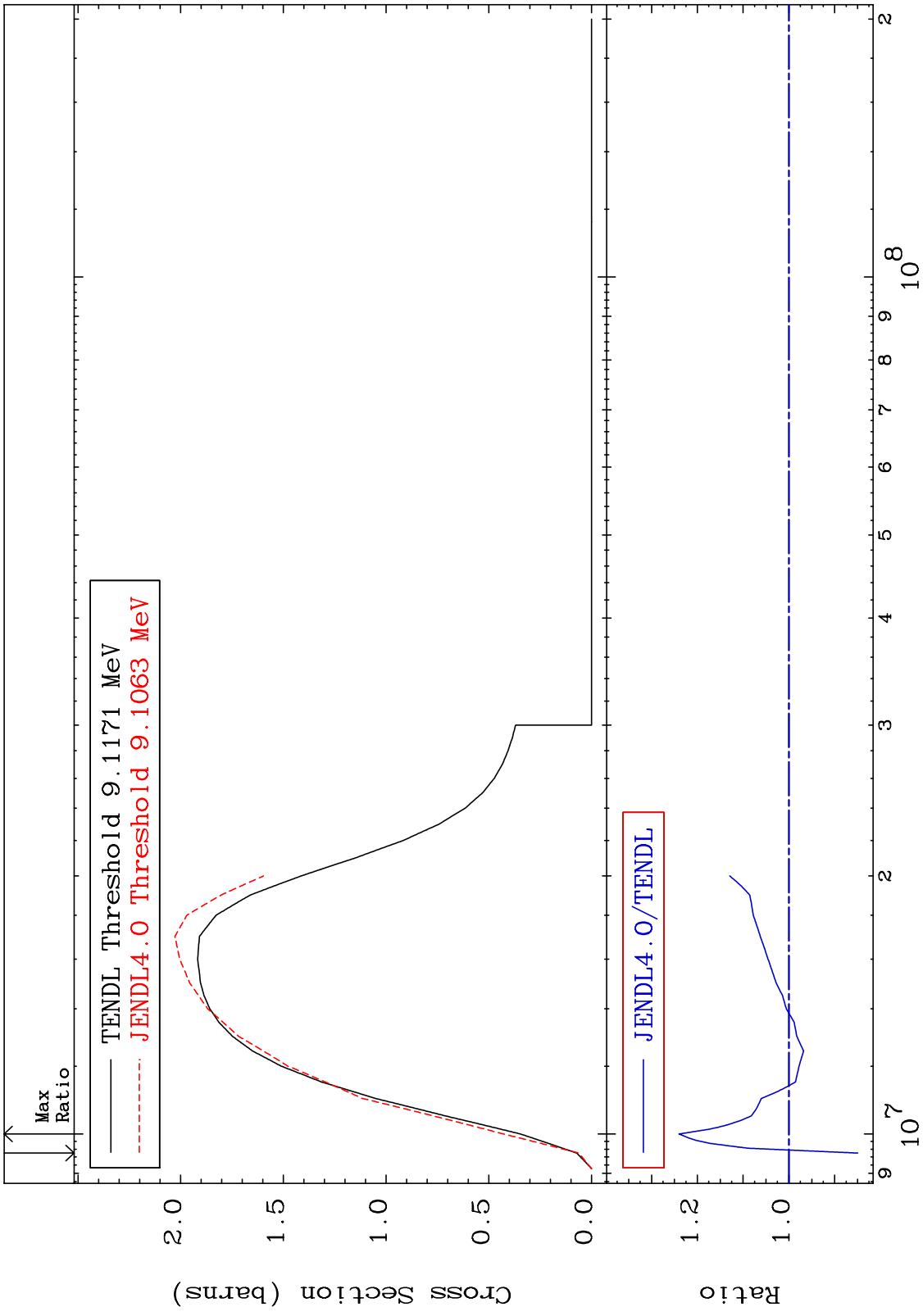


MAT 7025 Inelastic Cross Section 70-Yb-168 -22.40 To 123.3 %



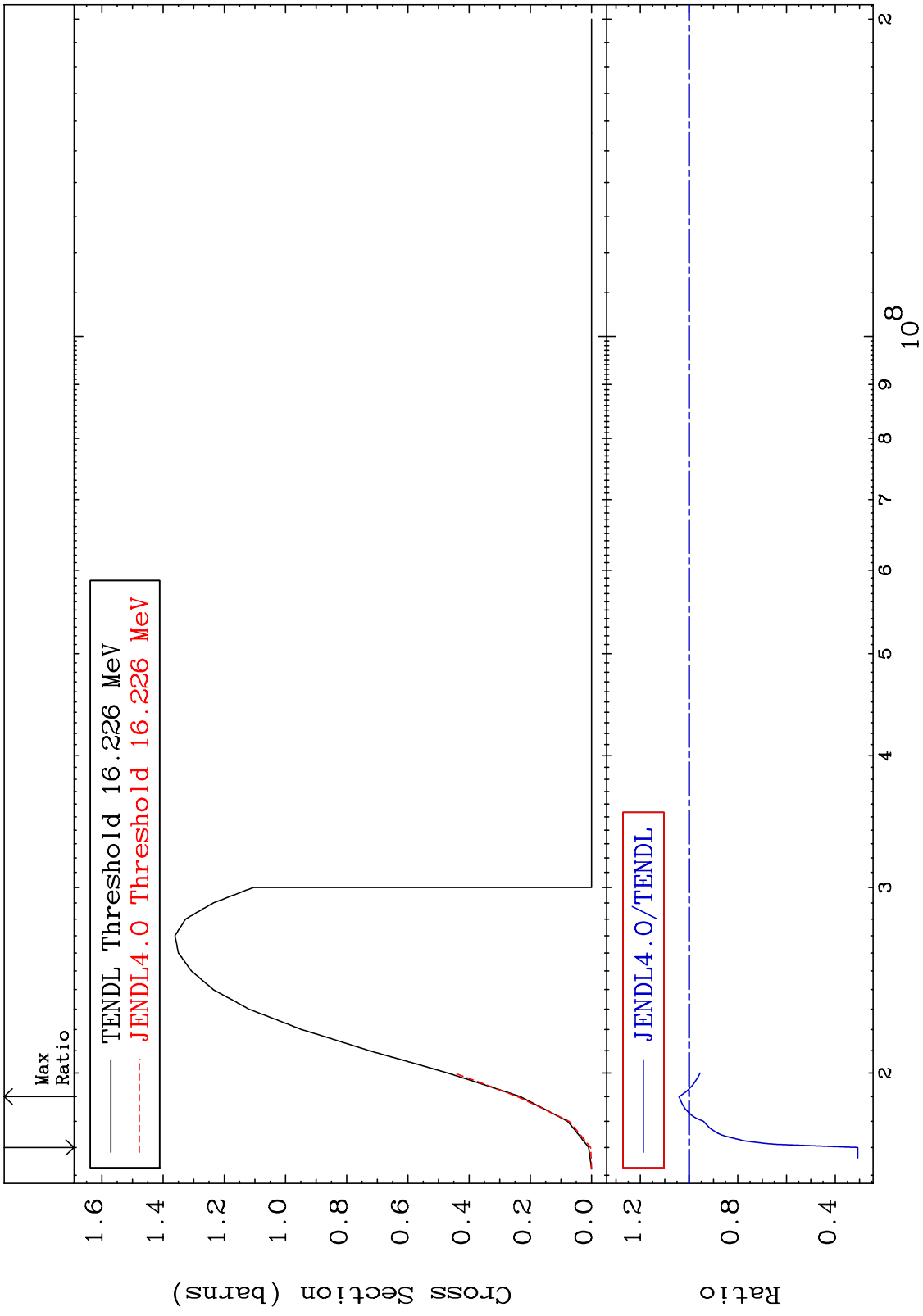
3 Incident Energy (eV) 70-Yb-168

MAT 7025 (n,2n) Cross Section 70-Yb-168 -15.06 To 23.99 %

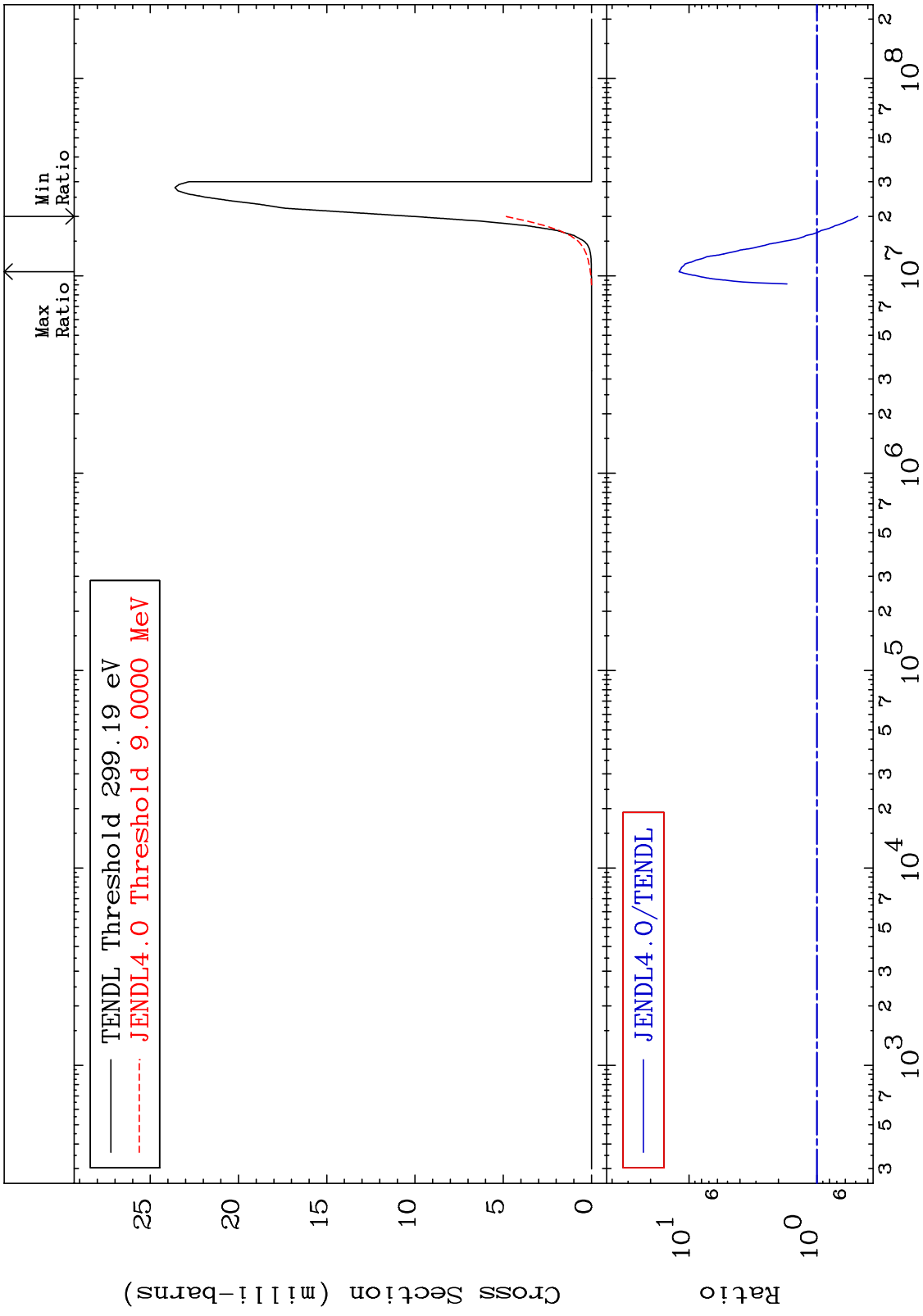


4 70-Yb-168

MAT 7025 (n,3n) 70-Yb-168  
 Cross Section -69.28 To 4.120 %

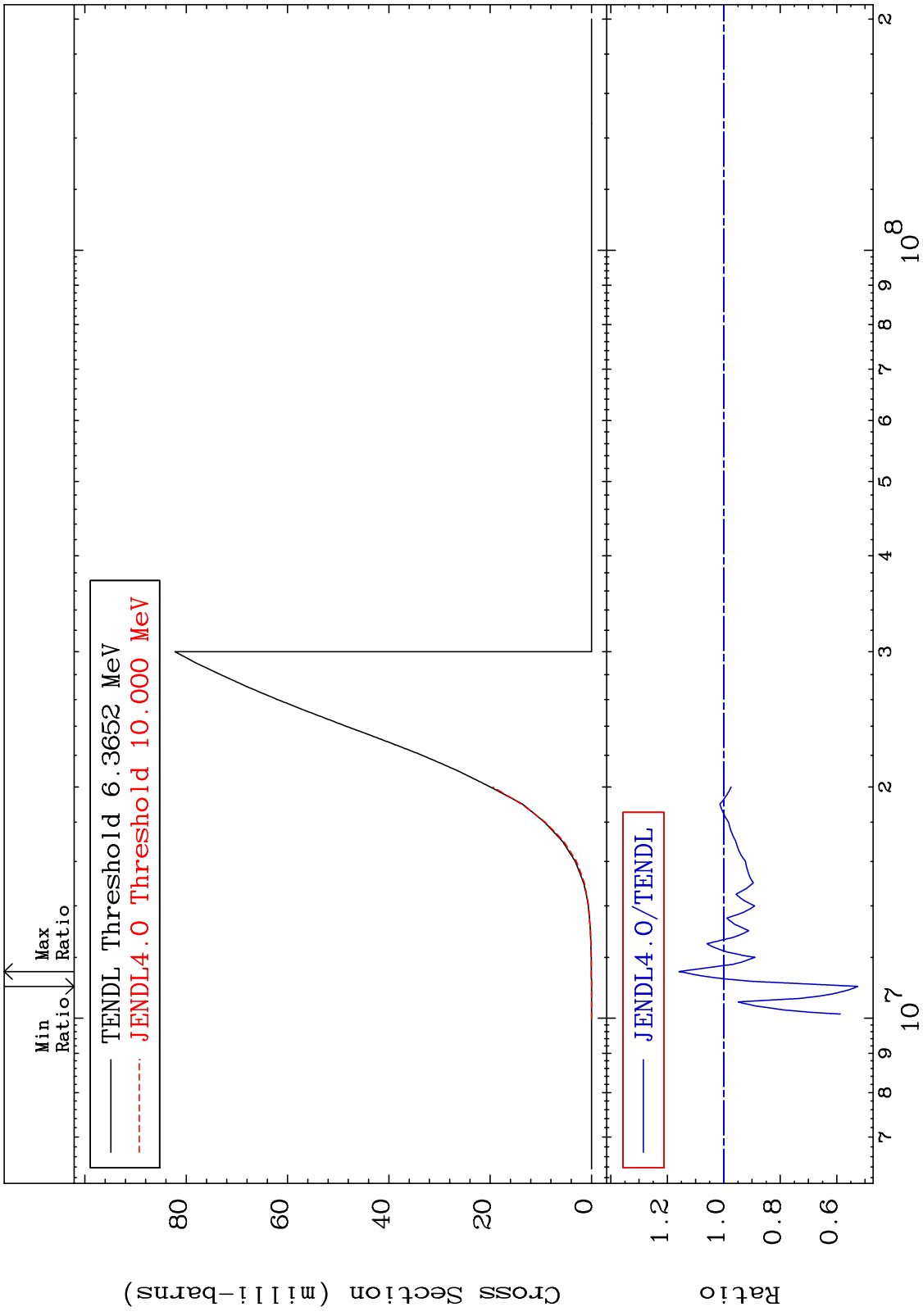


MAT 7025  $(n, n') \alpha$  70-Yb-168  
Cross Section -52.04 To 1097. %



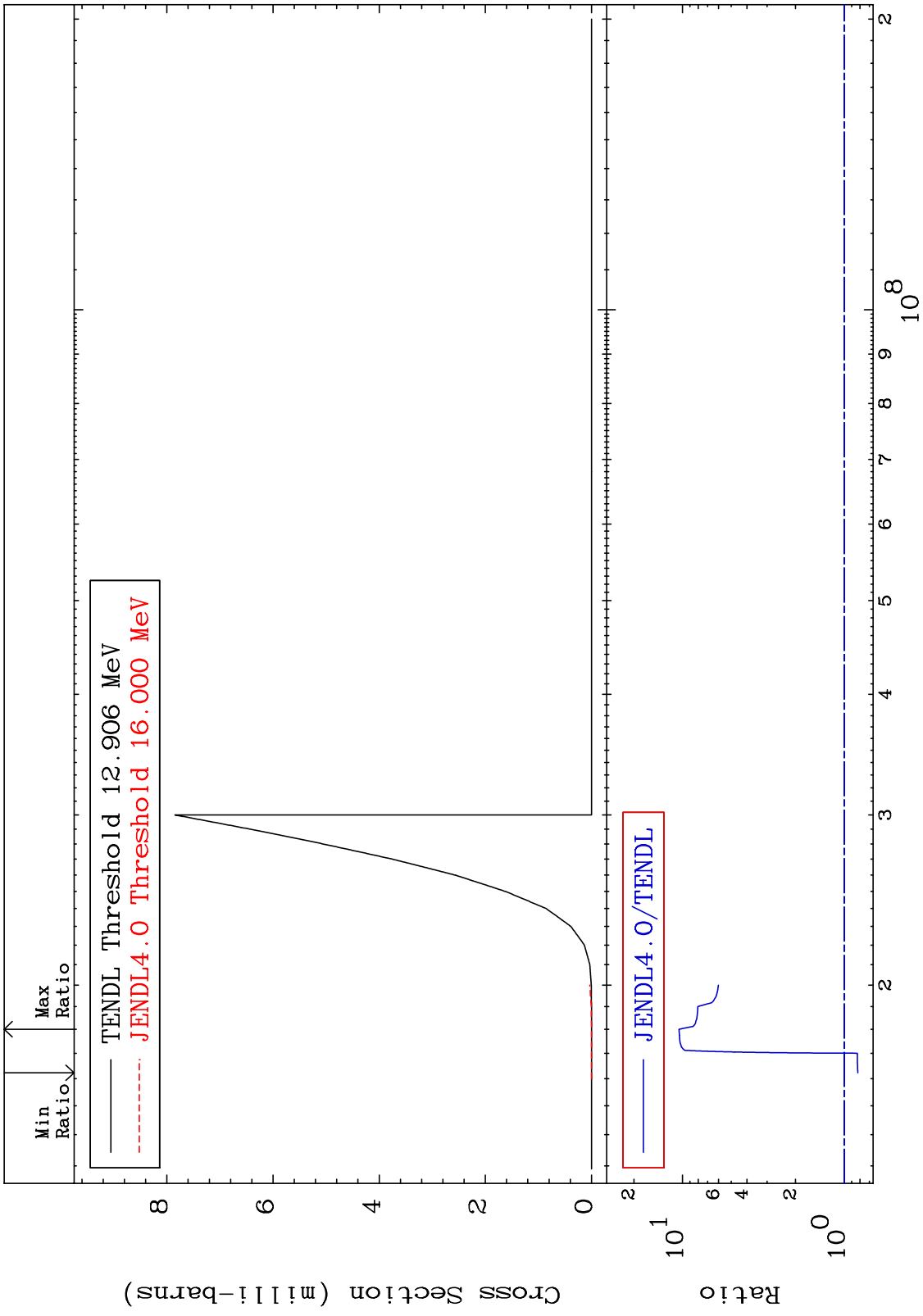
6 70-Yb-168

MAT 7025  $(n, n')$  p  $^{70}\text{Yb-168}$   
 Cross Section -47.48 To 15.84 %

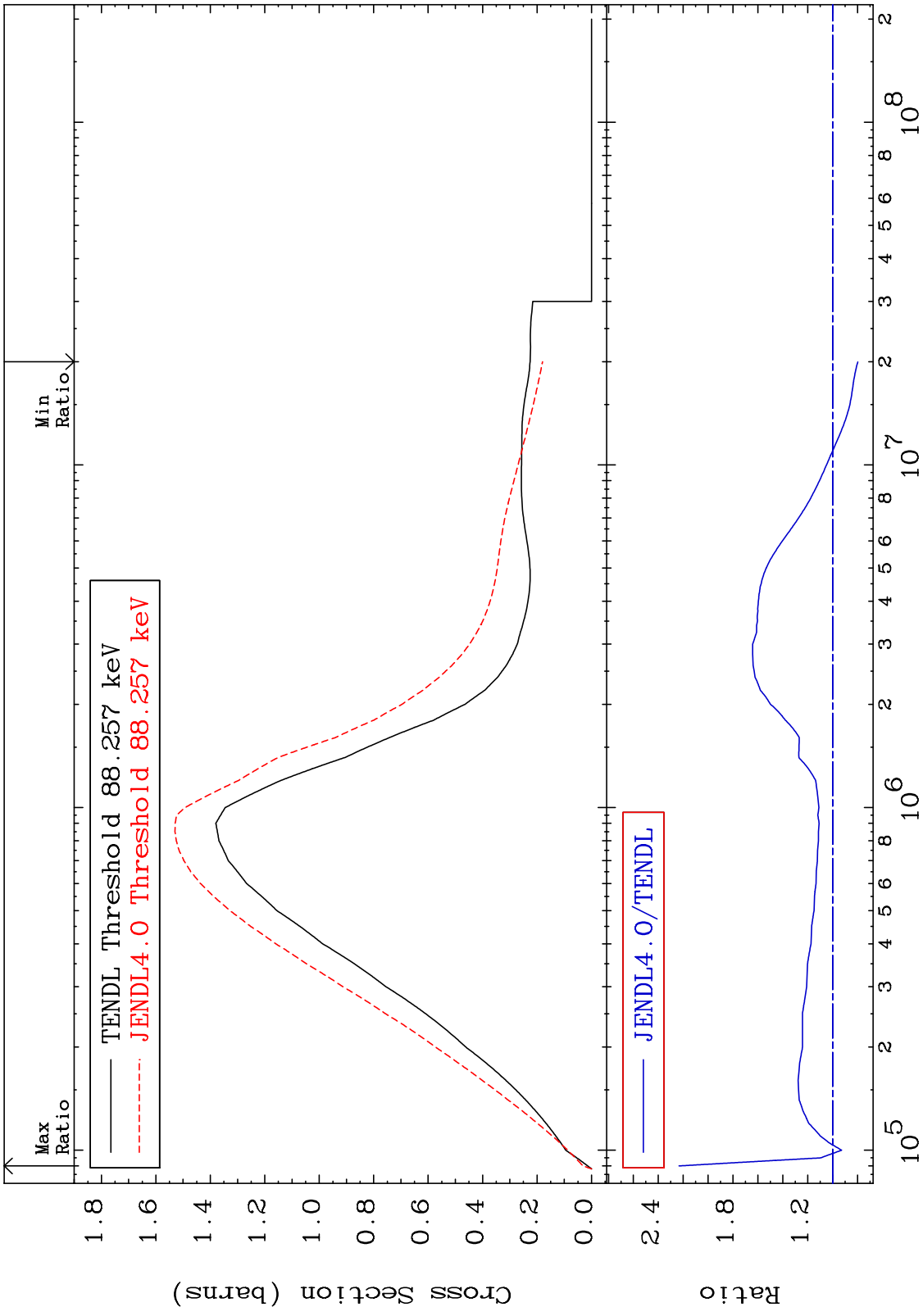


70-Yb-168



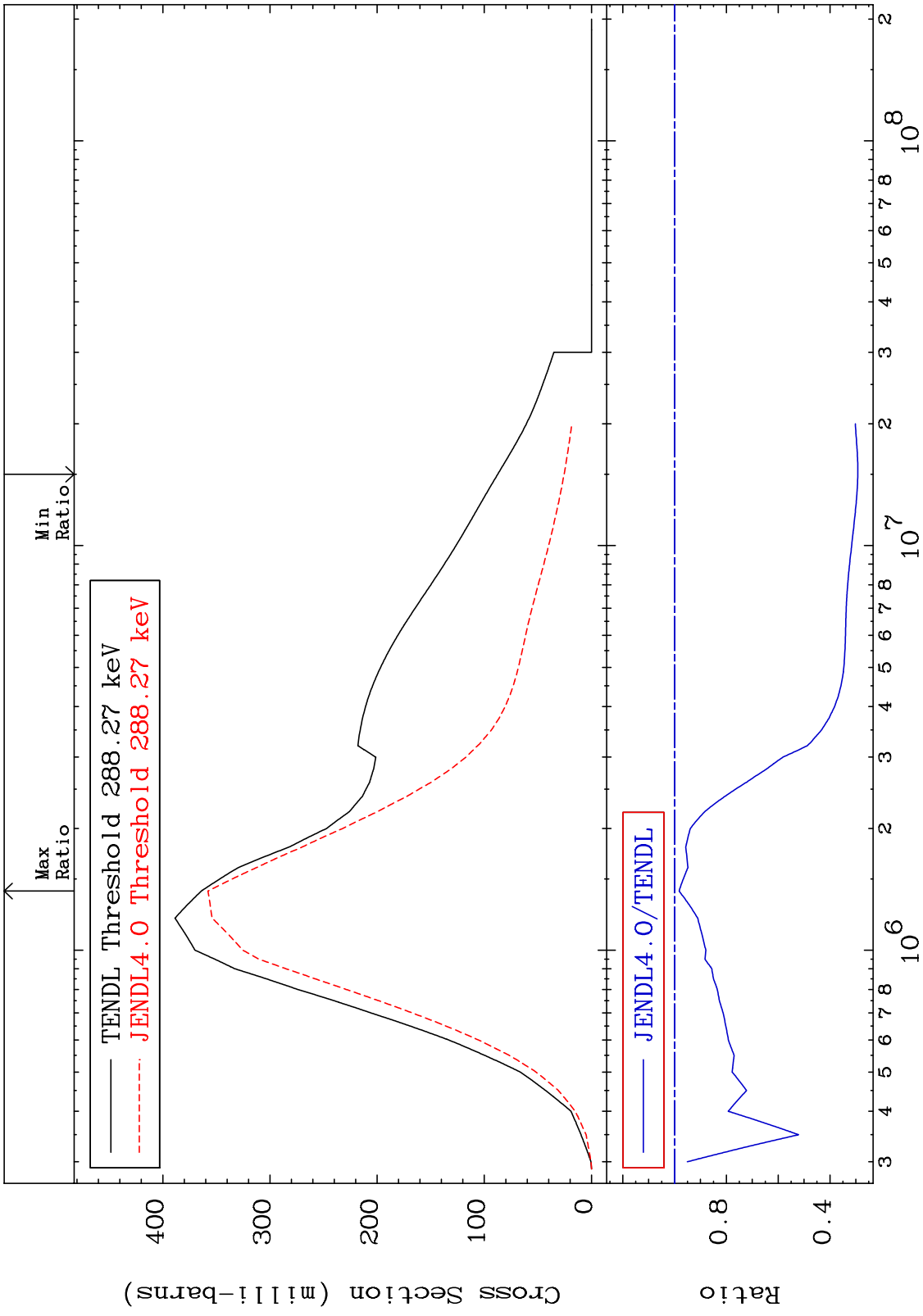


MAT 7025 MT= 51 (n,n') Level Cross Section 70-Yb-168 -20.27 To 123.3 %



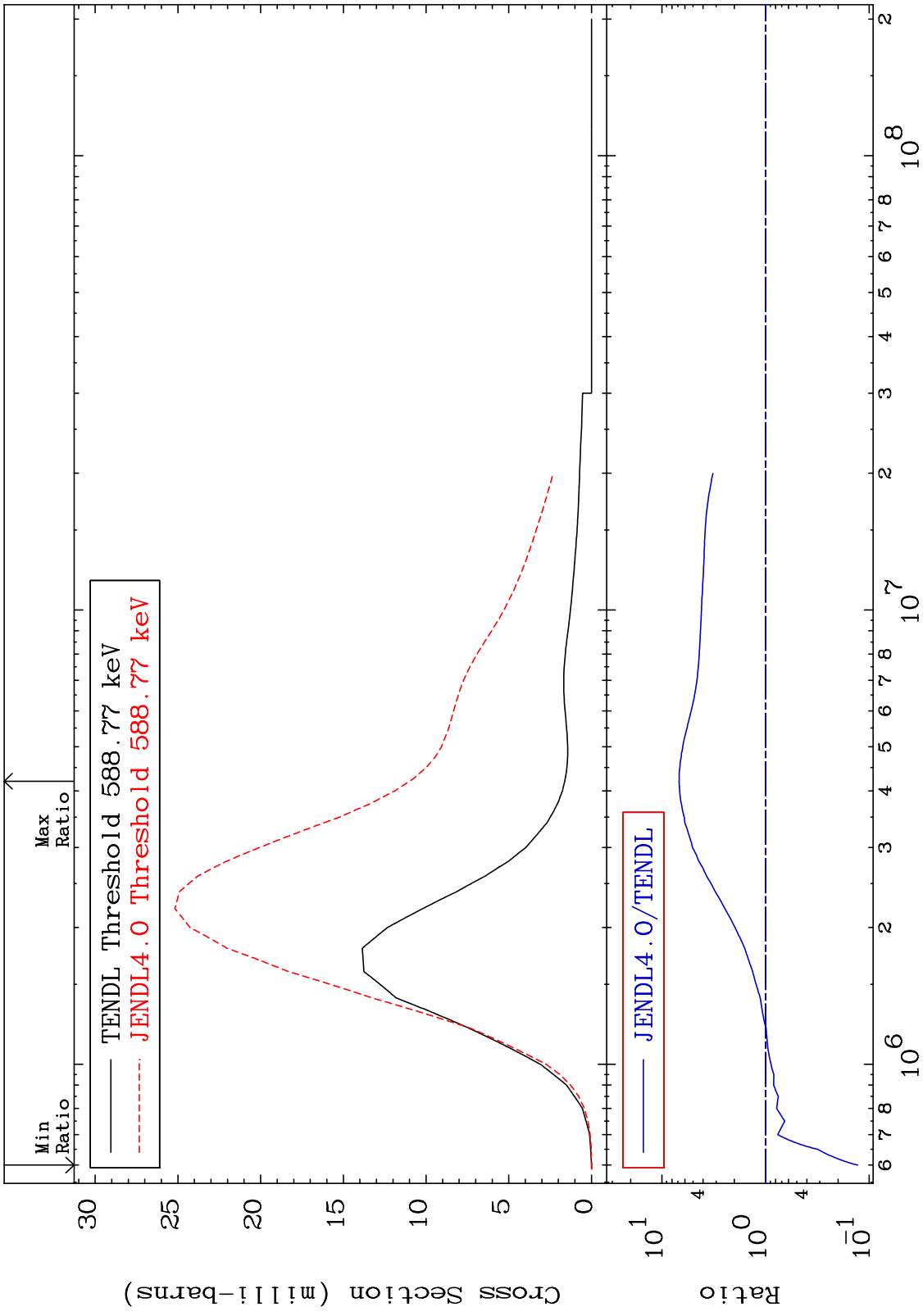
9 Incident Energy (eV) 70-Yb-168

MAT 7025 MT= 52 (n,n') Level Cross Section 70-Yb-168  
 -70.77 To -1.721%

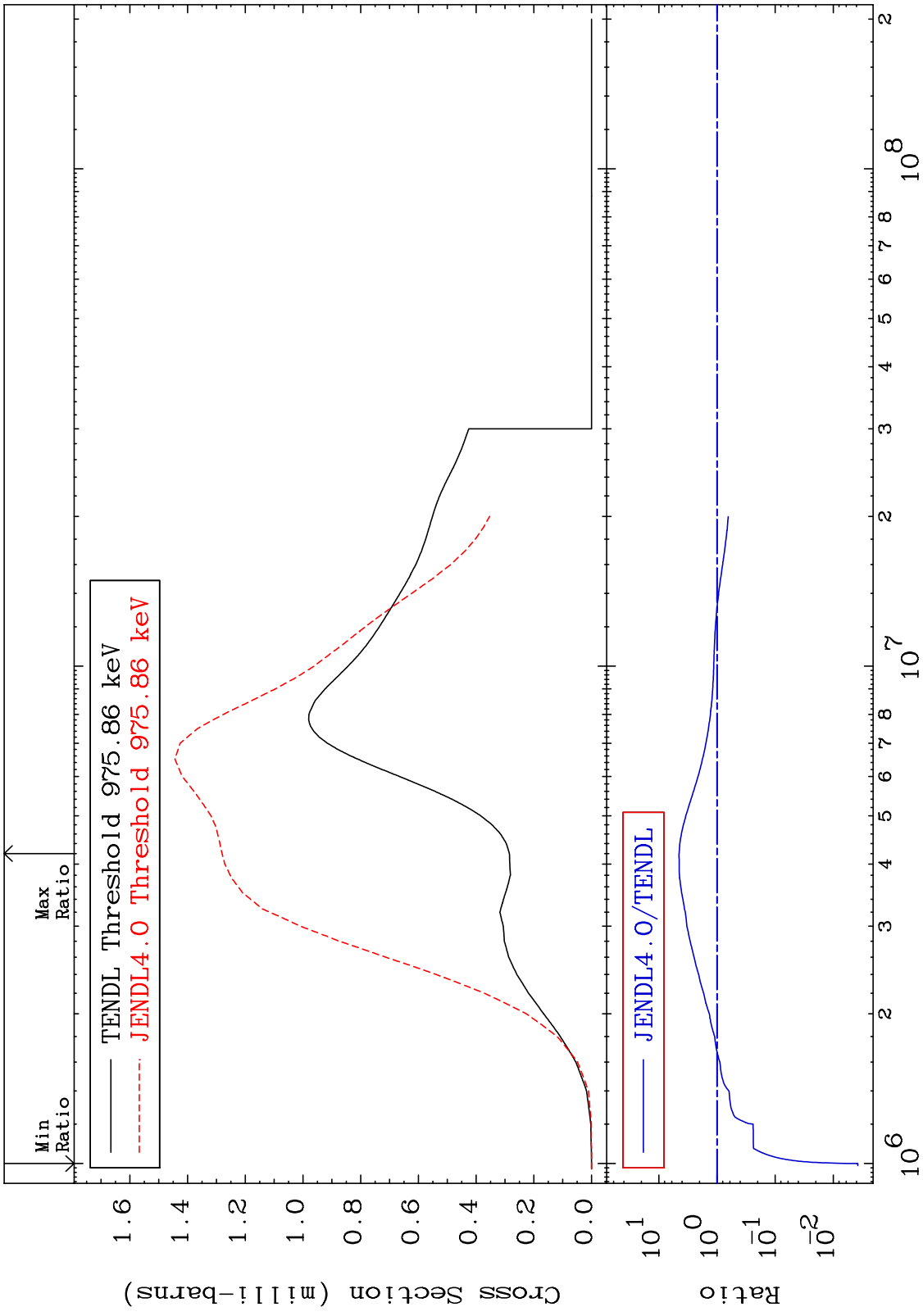


10 Incident Energy (eV) 70-Yb-168

MAT 7025 MT= 53 (n,n') Level Cross Section 70-Yb-168  
 -87.11 To 582.5 %

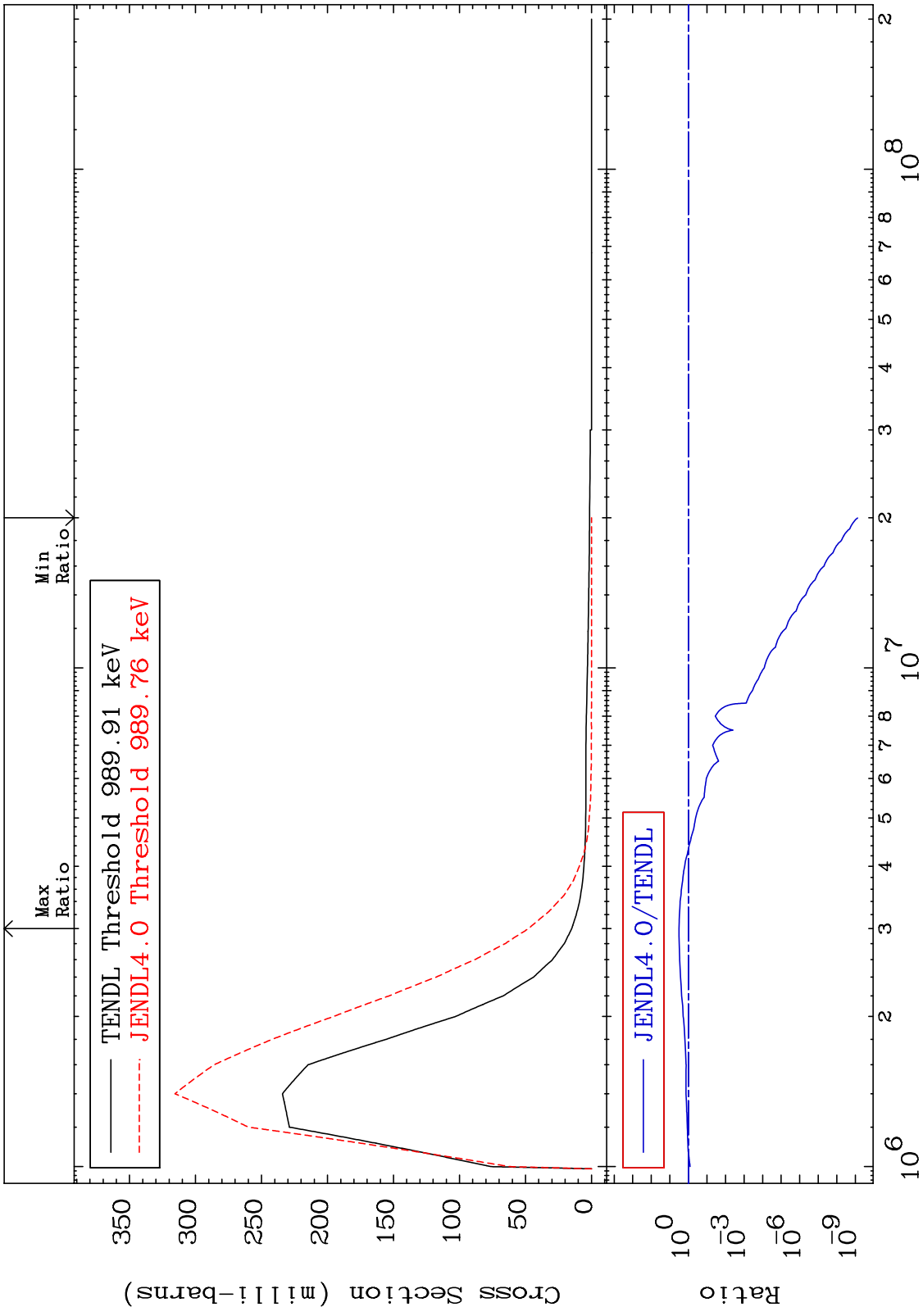


MAT 7025 MT= 54 (n,n') Level Cross Section 70-Yb-168 -99.62 To 350.0 %



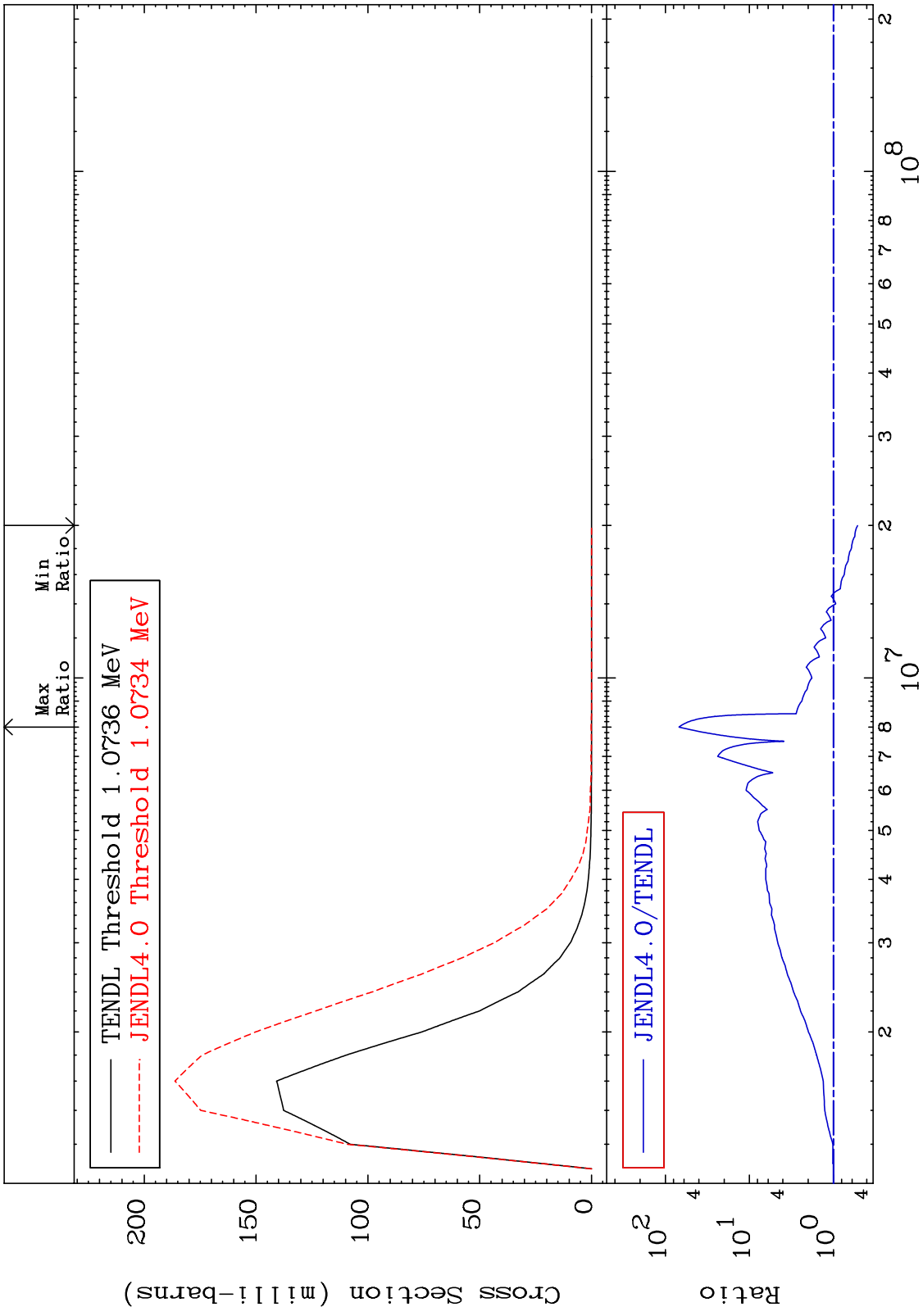
12 Incident Energy (eV) 70-Yb-168

MAT 7025 MT= 55 (n,n') Level Cross Section 70-Yb-168  
 -100.0 To 219.2 %



13 Incident Energy (eV) 70-Yb-168

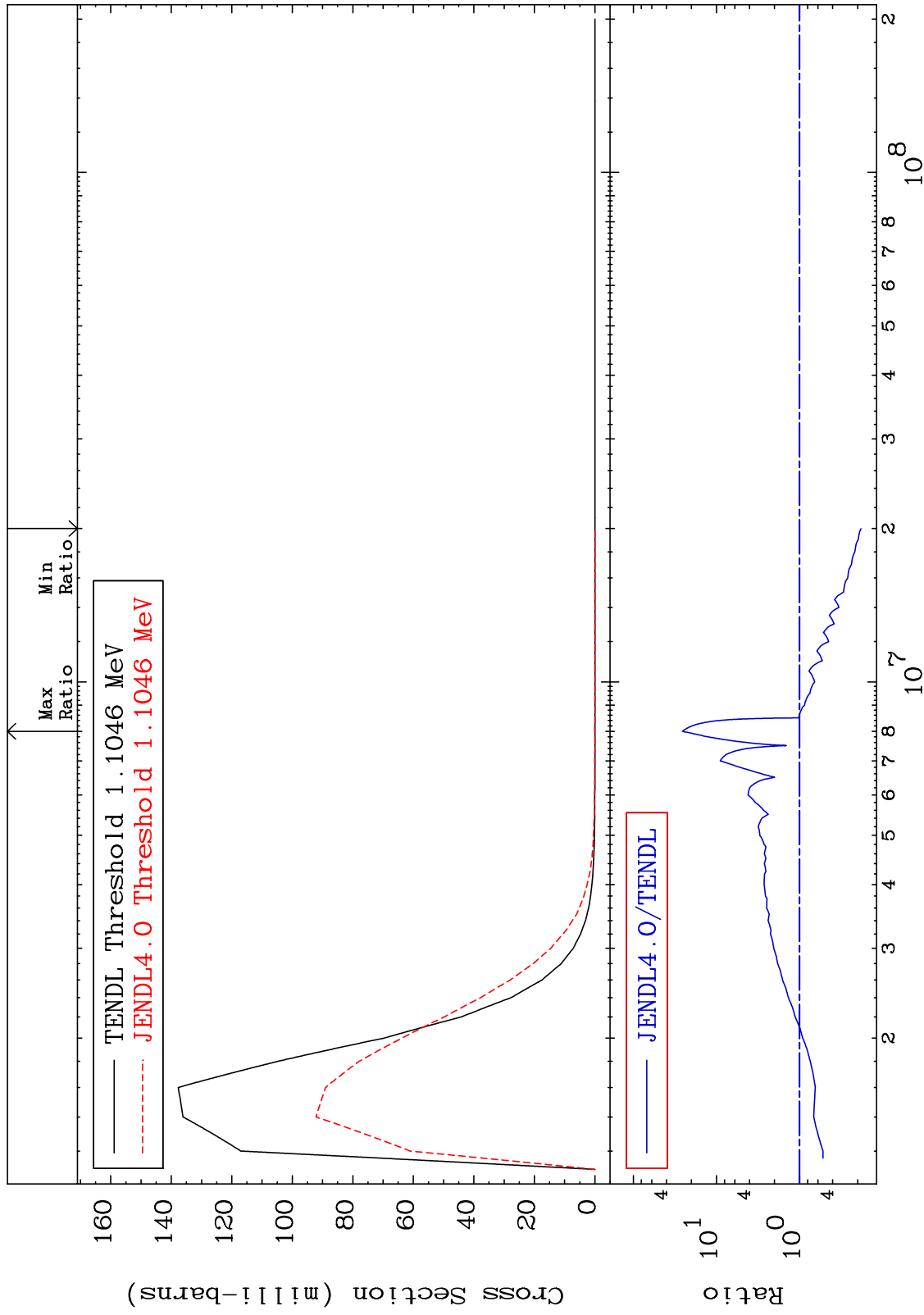
MAT 7025 MT= 56 (n,n') Level Cross Section 70-Yb-168  
 -48.80 To 6784. %



MAT 7025

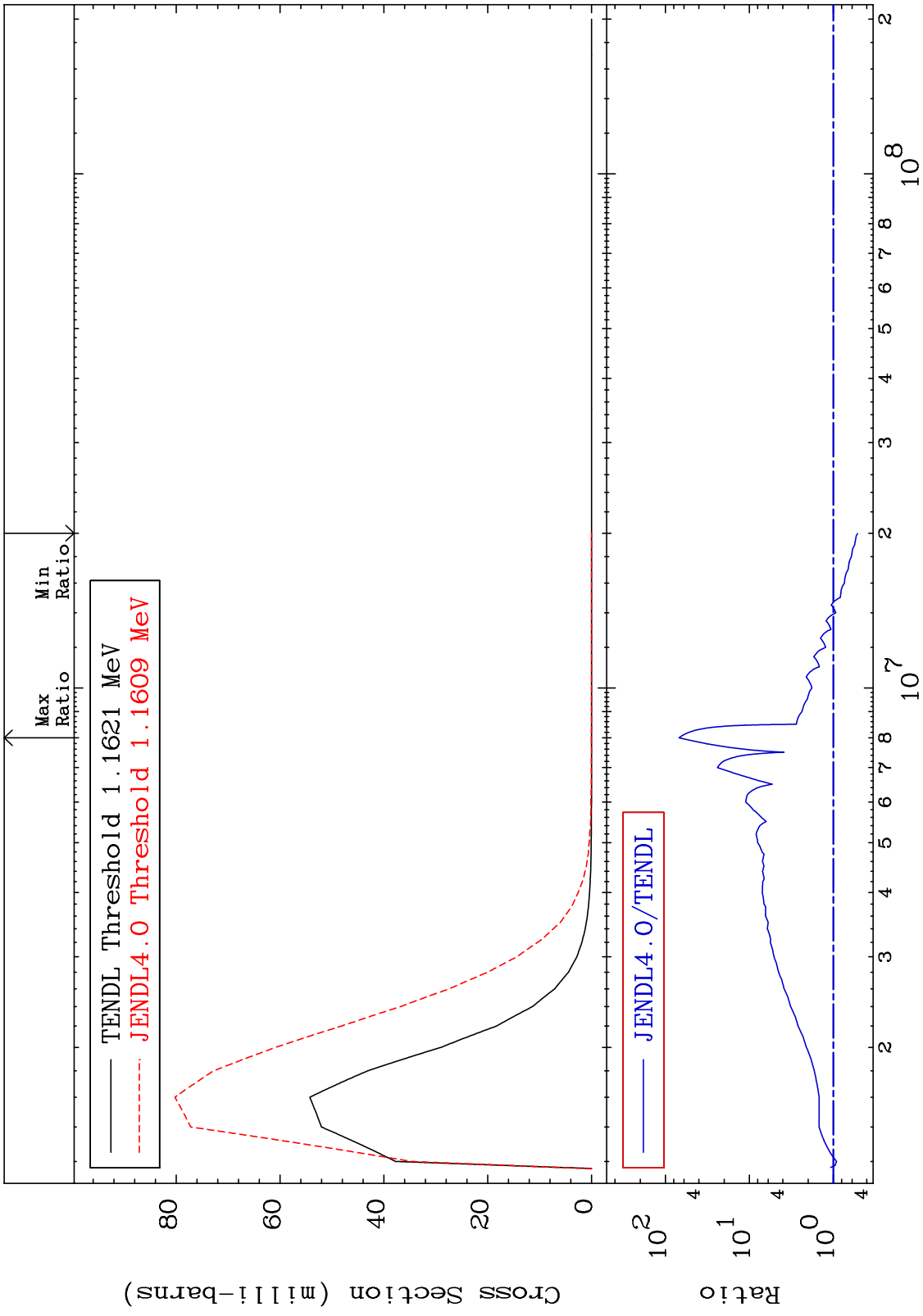
MT= 57 (n,n') Level  
Cross Section

70-Yb-168  
-81.91 To 2463. %

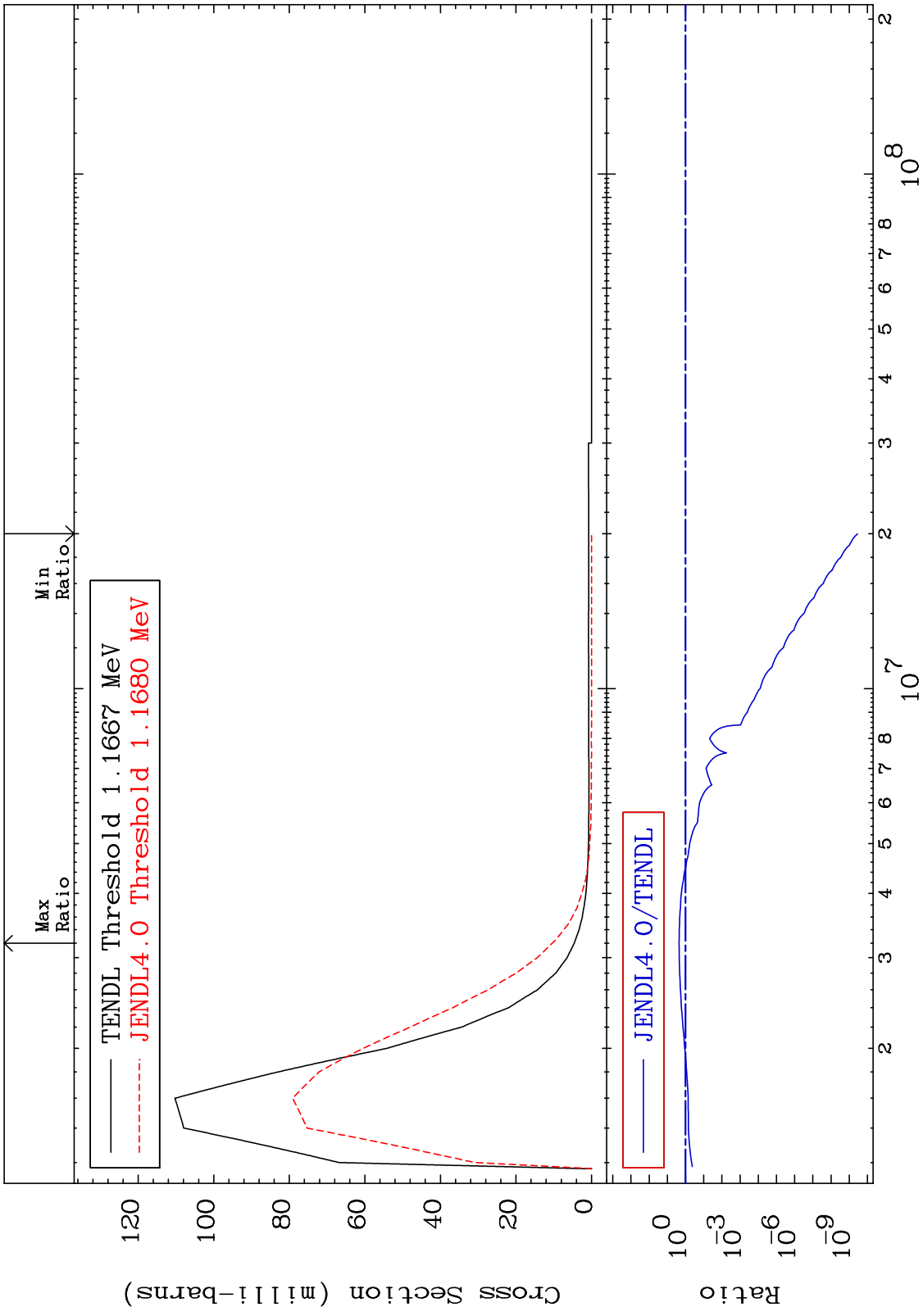




MAT 7025 MT= 58 (n,n') Level Cross Section 70-Yb-168  
 -48.83 To 6794. %

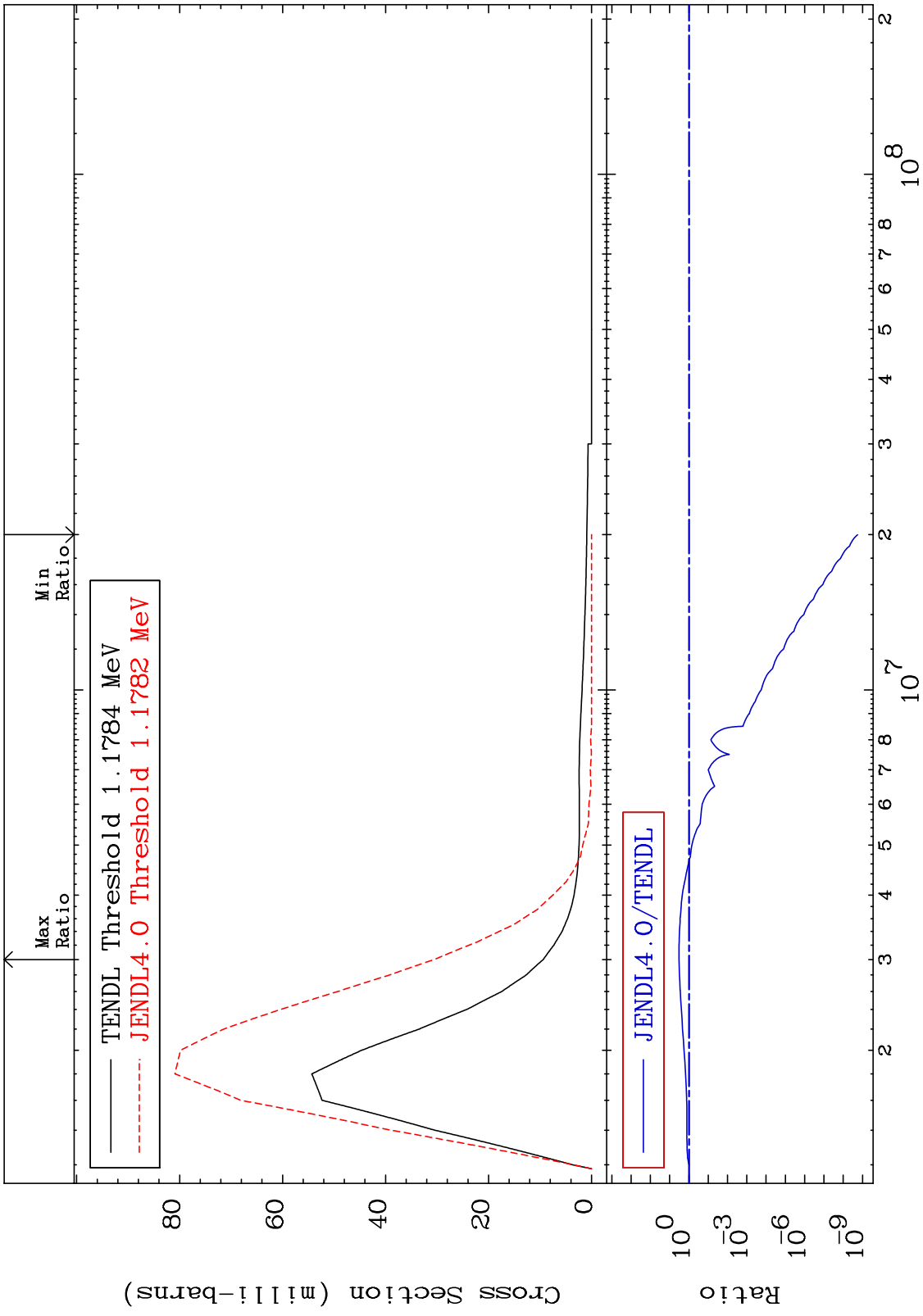


MAT 7025 MT= 59 (n,n') Level Cross Section 70-Yb-168  
 -100.0 To 127.7 %

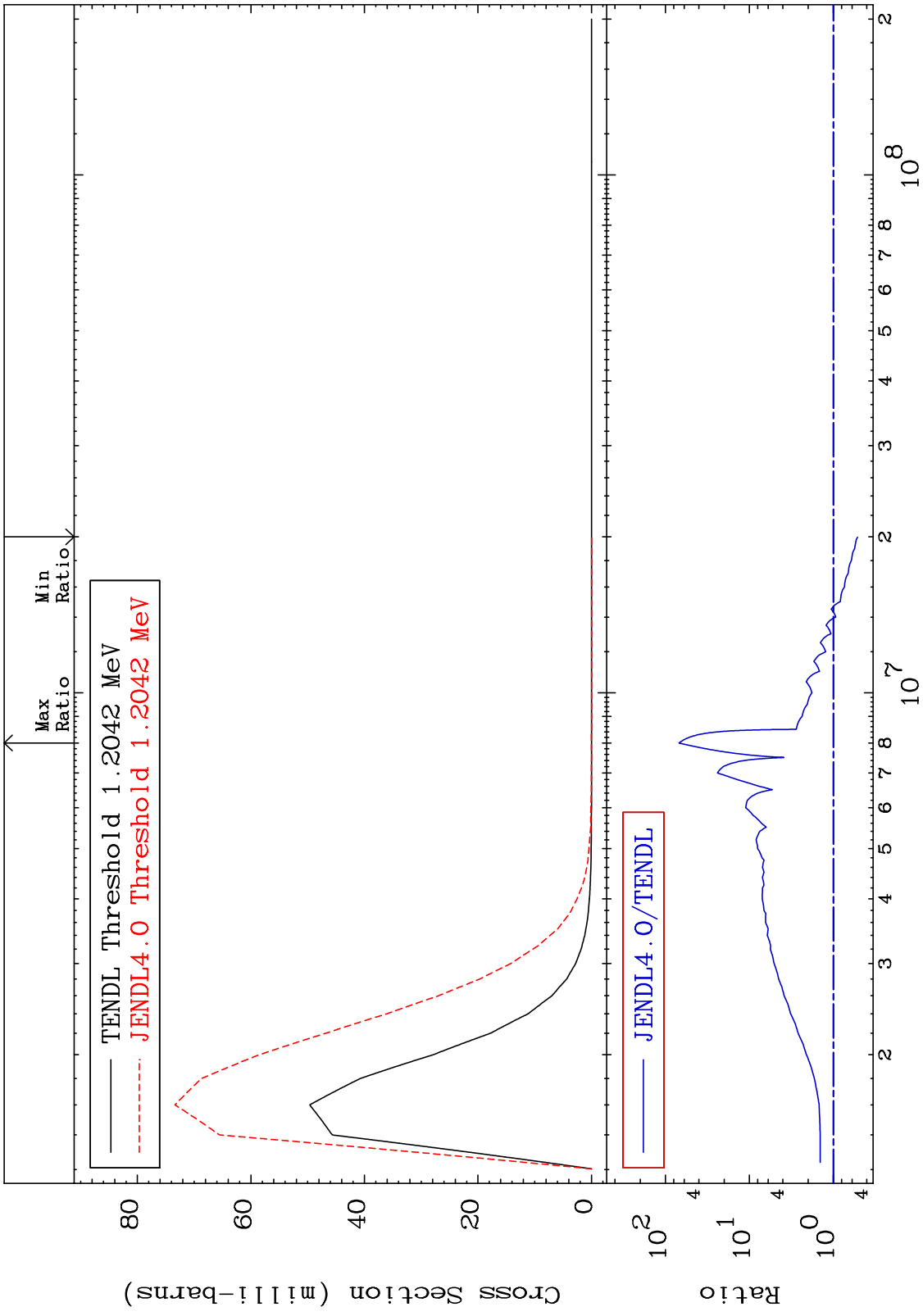


17 70-Yb-168

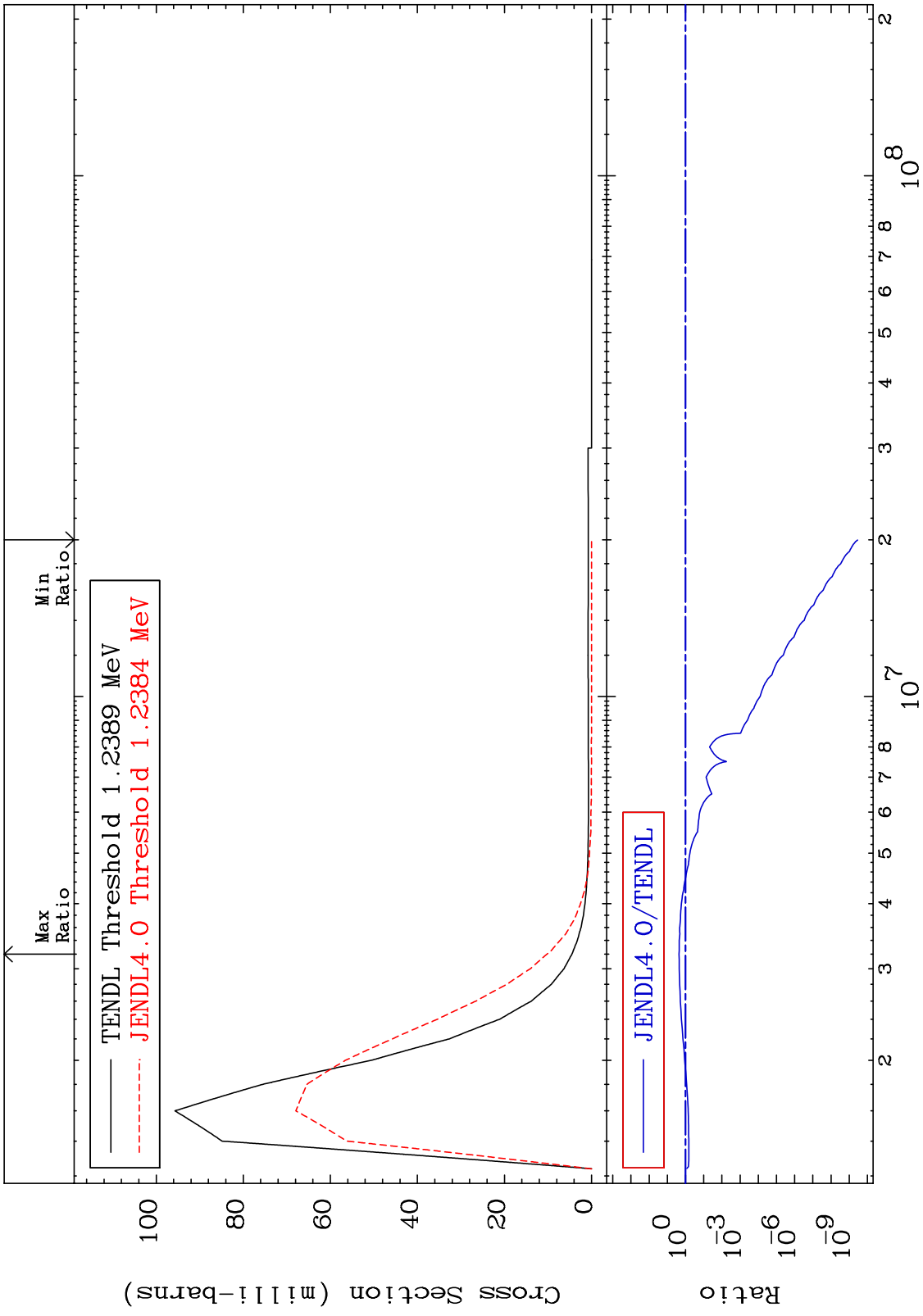
MAT 7025 MT= 60 (n,n') Level Cross Section 70-Yb-168  
 -100.0 To 225.5 %



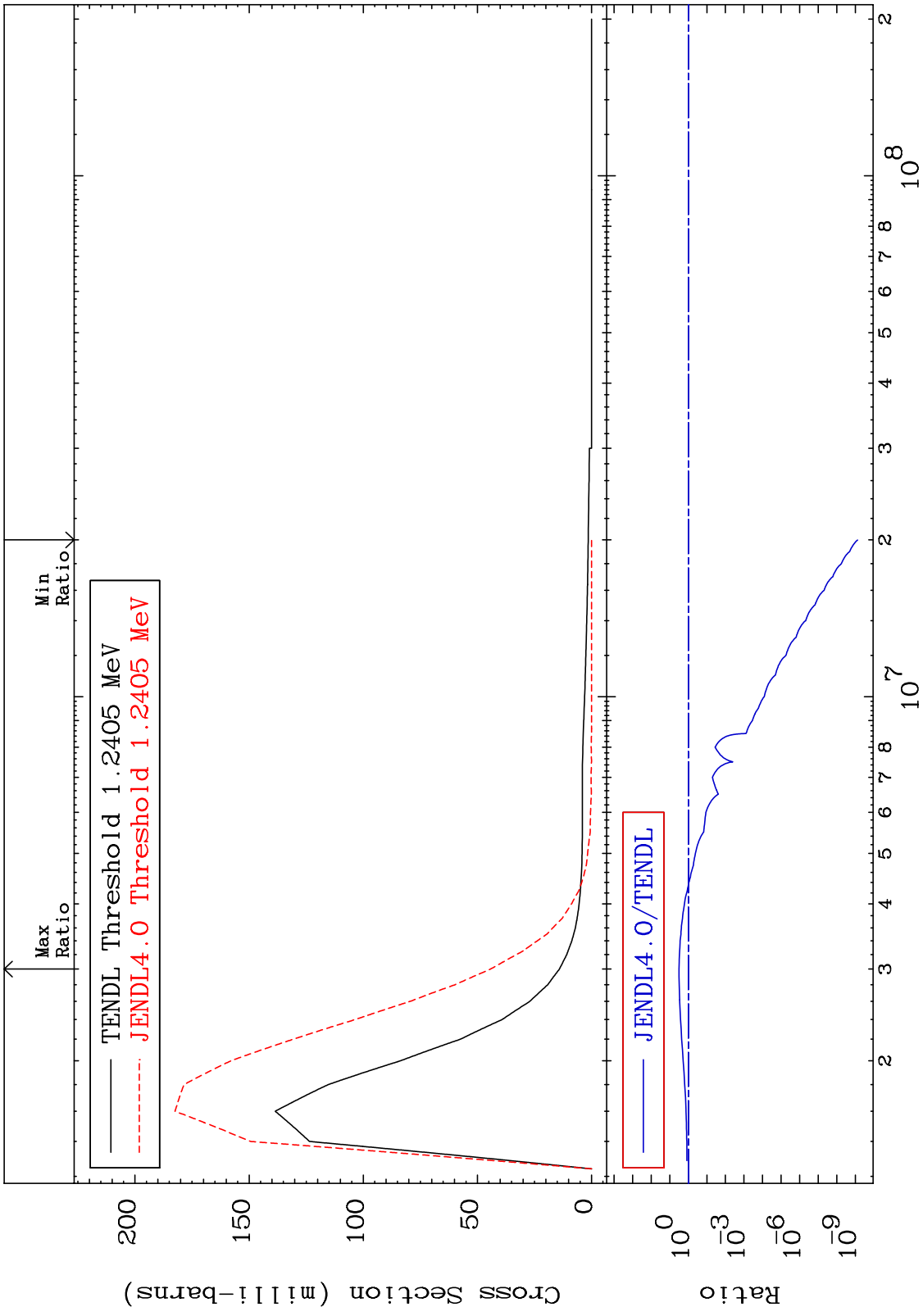
MAT 7025 MT= 61 (n,n') Level Cross Section 70-Yb-168  
 -48.82 To 6796. %



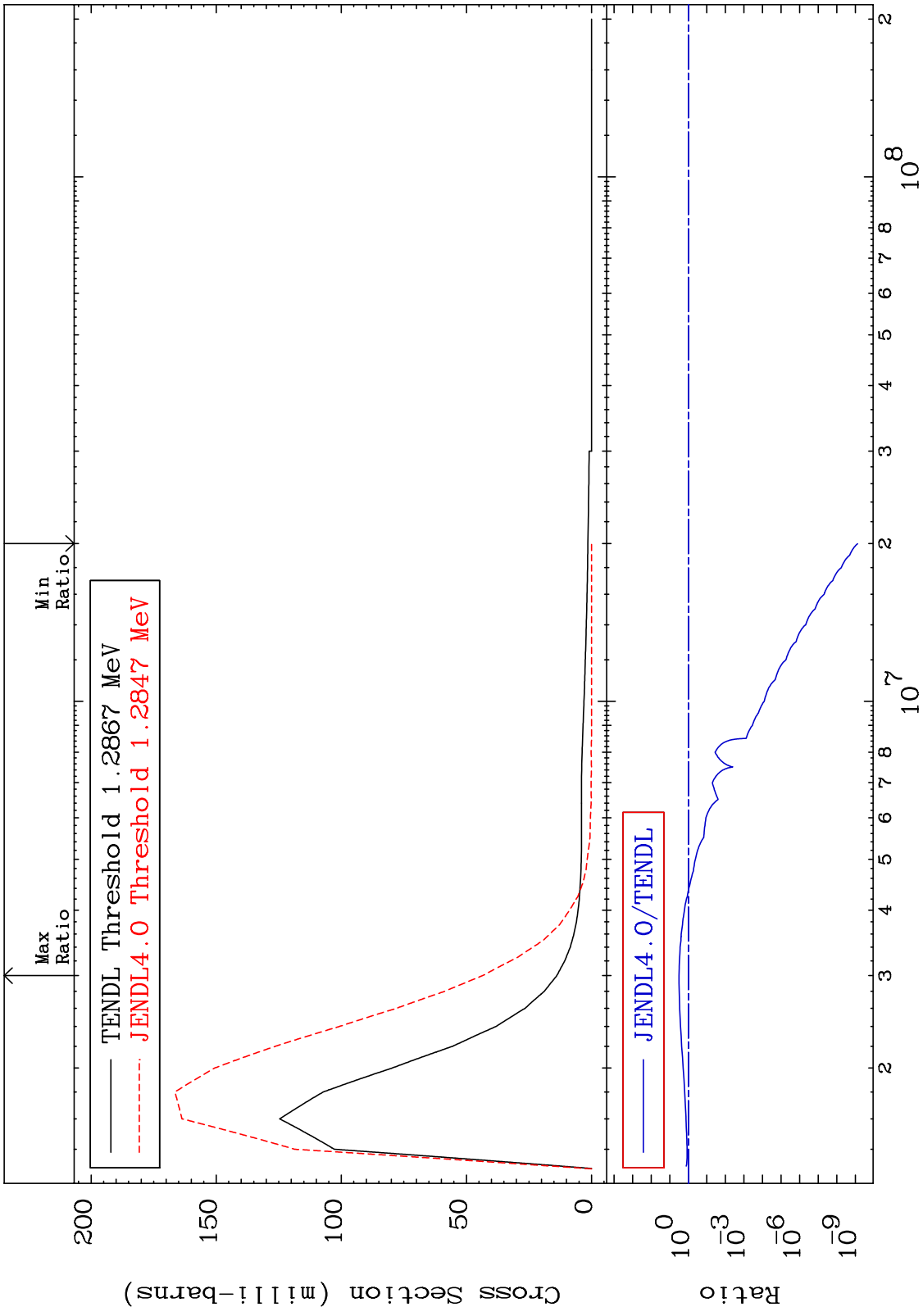
MAT 7025 MT= 62 (n,n') Level Cross Section 70-Yb-168 -100.0 To 127.4 %

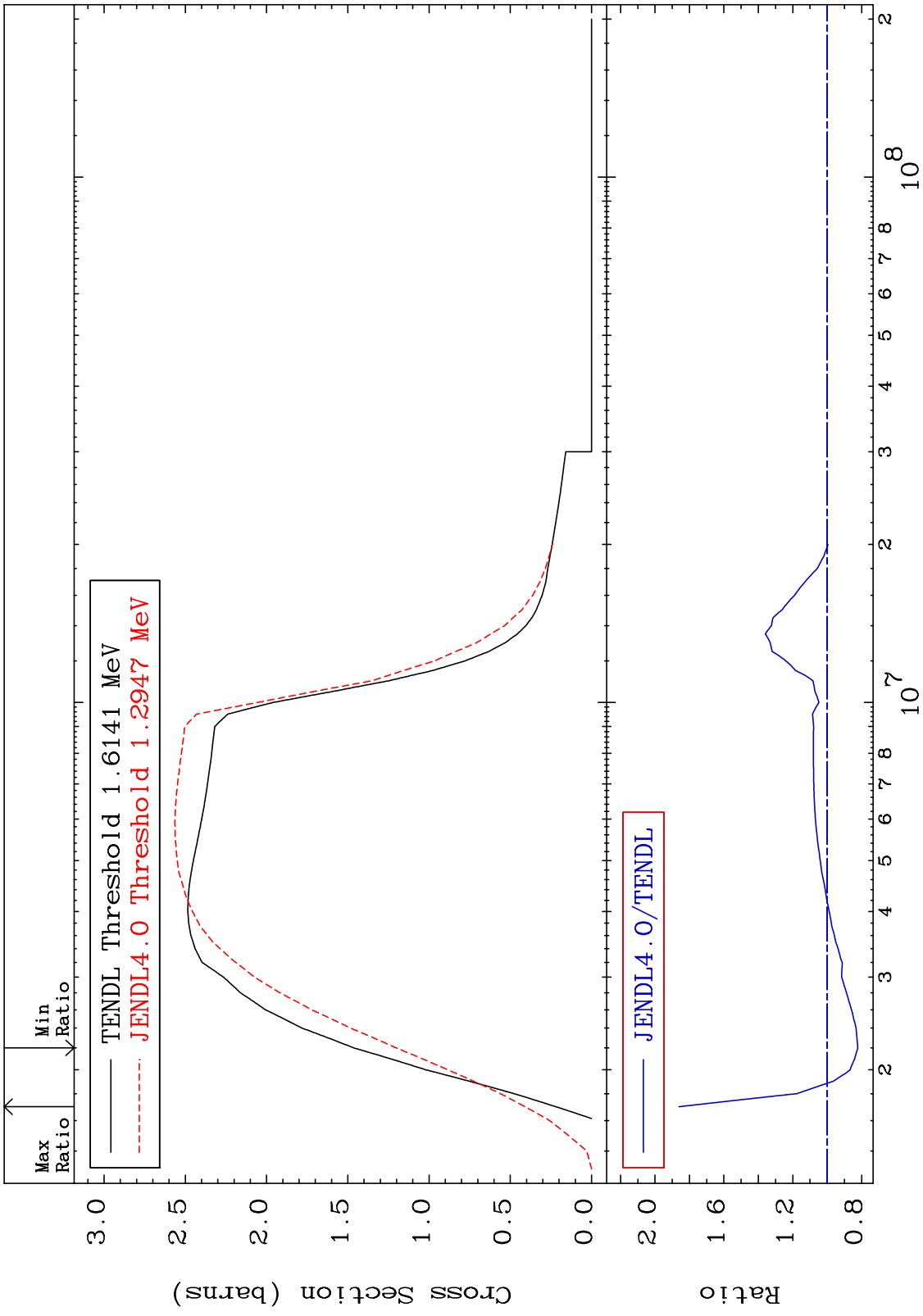


MAT 7025 MT= 63 (n,n') Level Cross Section -100.0 To 214.6 % 70-Yb-168



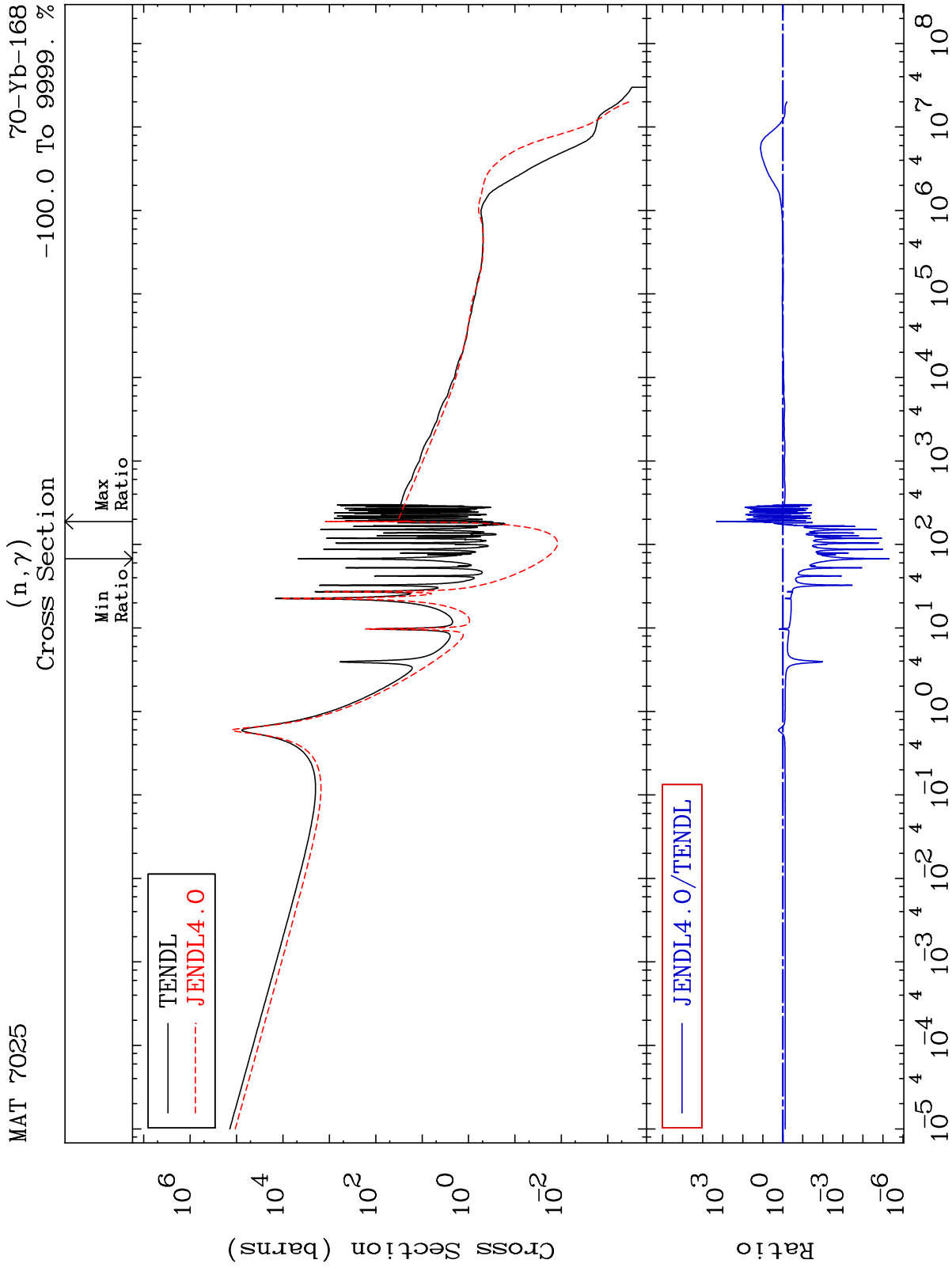
MAT 7025 MT= 64 (n,n') Level Cross Section -100.0 To 213.8 % 70-Yb-168





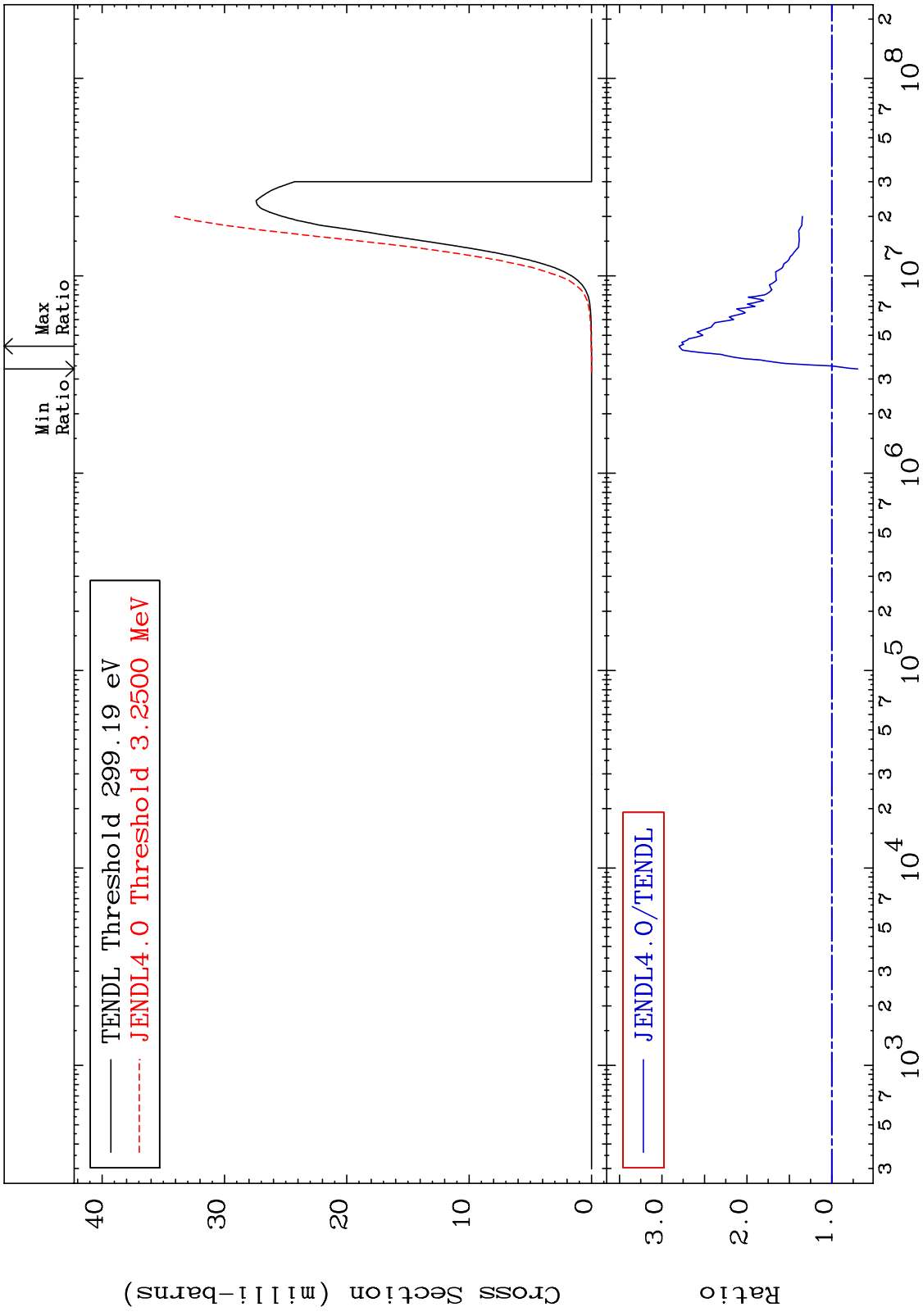


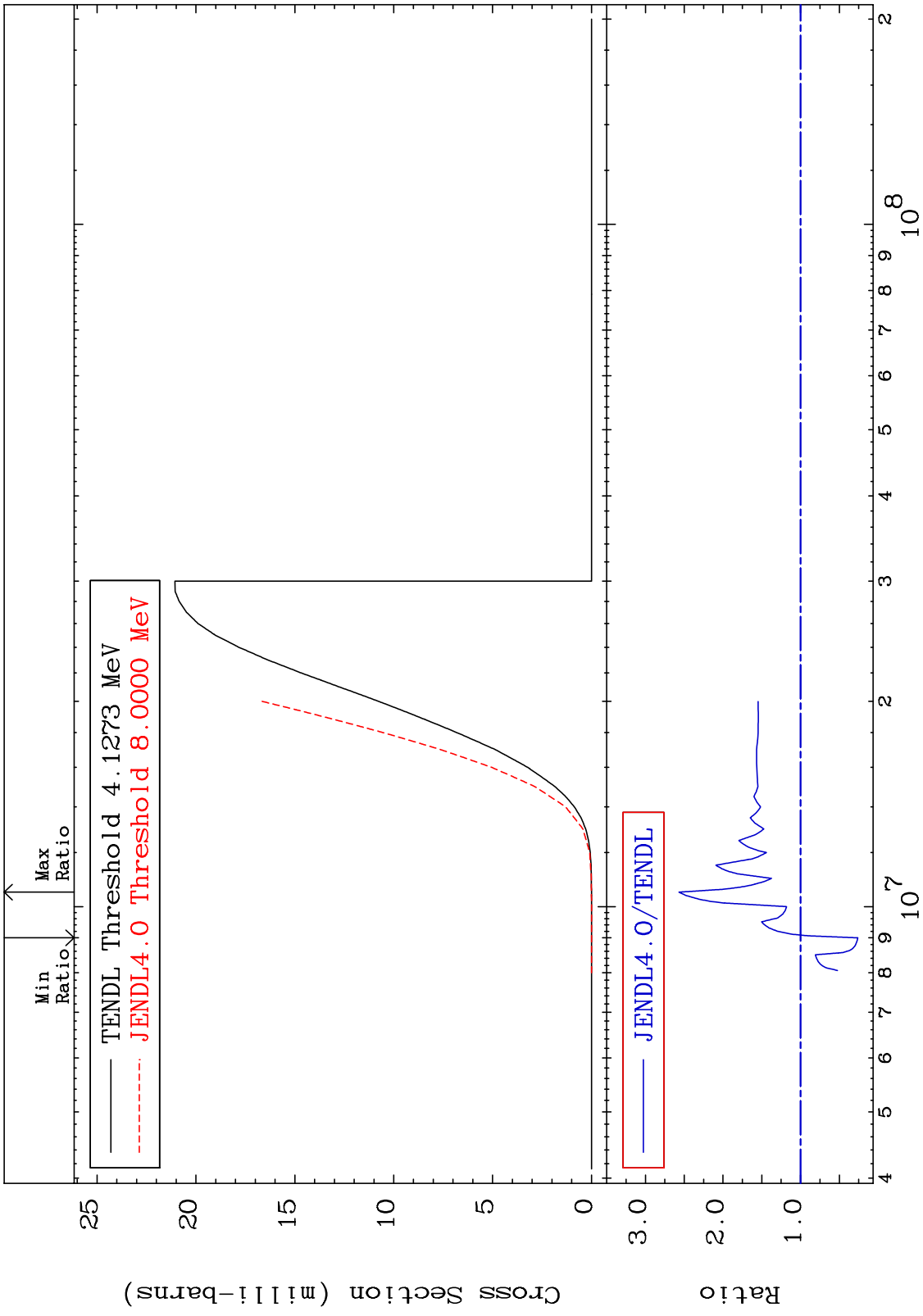
MAT 7025 70-Yb-168  
-100.0 To 9999. %



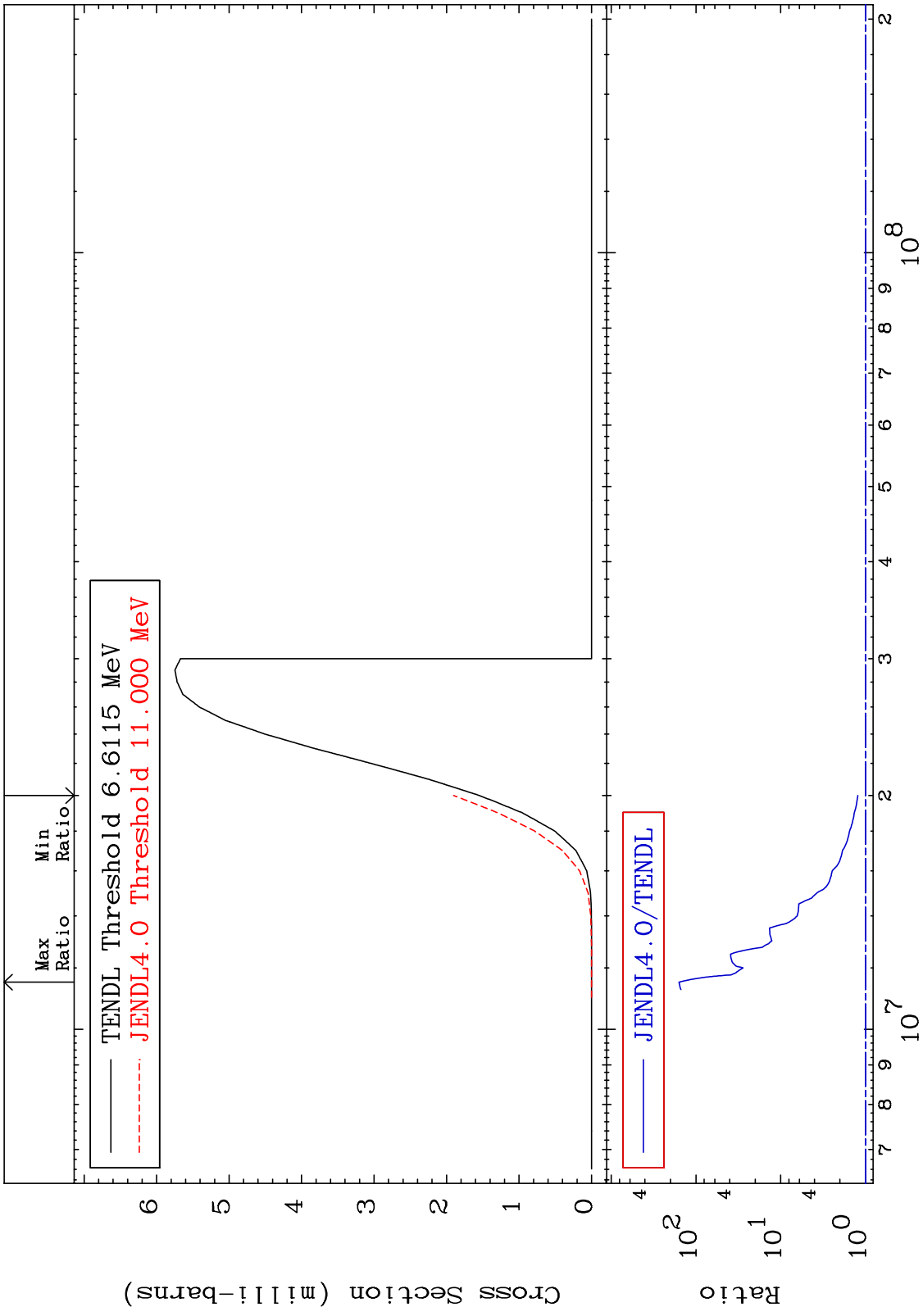
70-Yb-168

MAT 7025 (n,p) Cross Section 70-Yb-168  
 -30.58 To 179.9 %





MAT 7025 (n,t) Cross Section 70-Yb-168 To 9999. %  
 22.97



Incident Energy (eV) 70-Yb-168

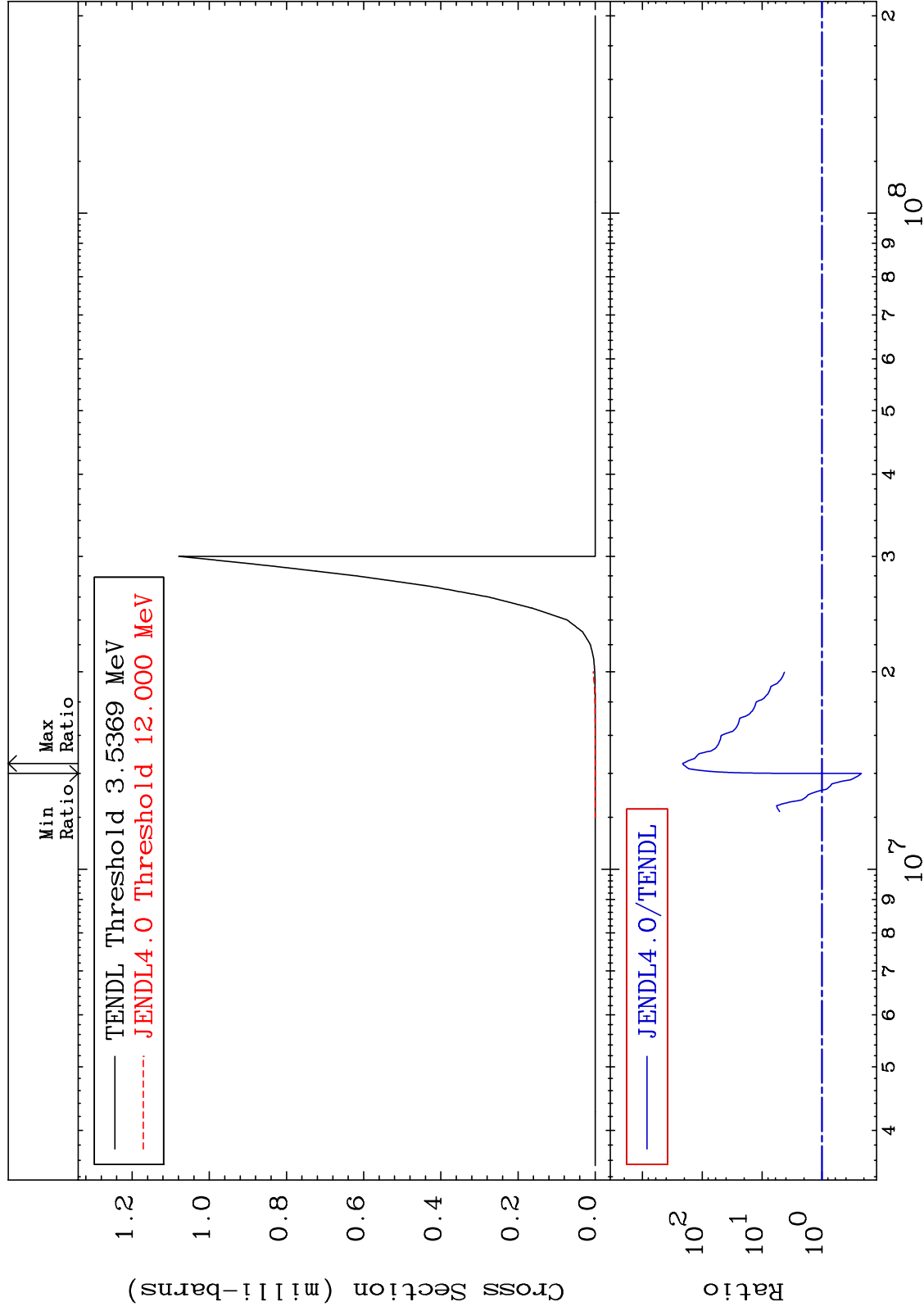
MAT 7025

(n, He-3)

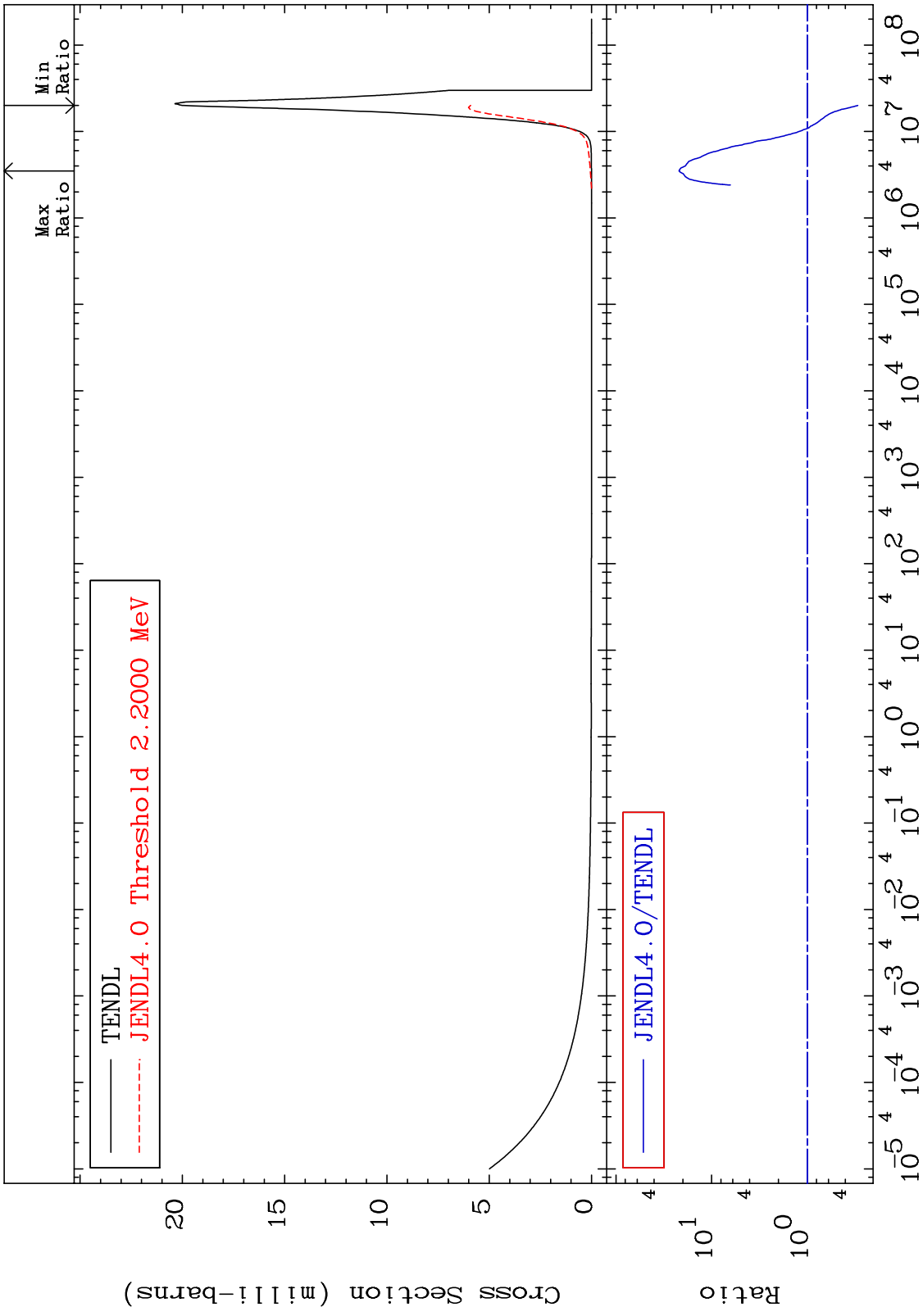
70-Yb-168

Cross Section

-77.90 To 9999. %



MAT 7025  $(n, \alpha)$  Cross Section 70-Yb-168 -70.45 To 2090. %

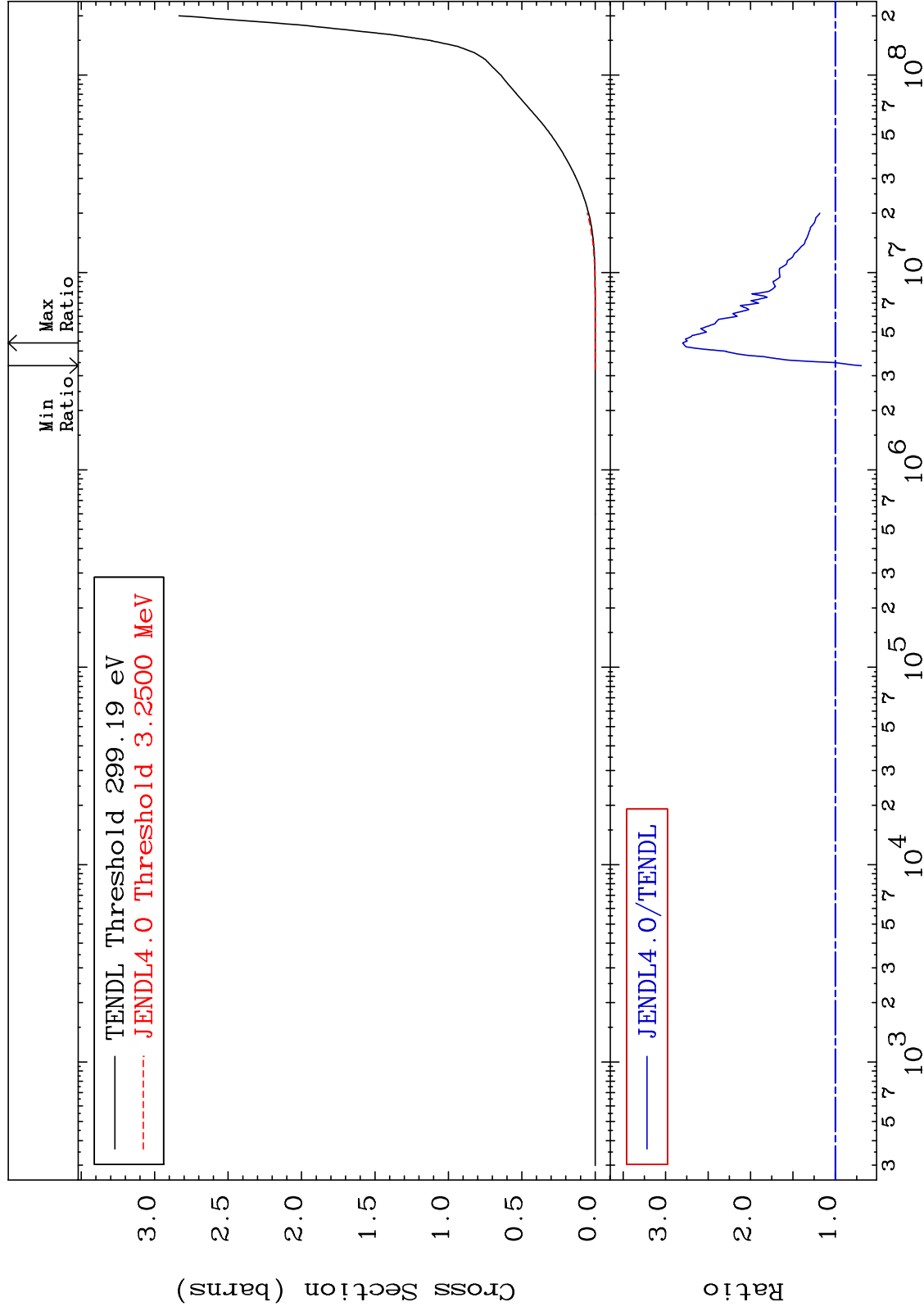


29 70-Yb-168

MAT 7025

Hydrogen Production  
Cross Section

70-Yb-168  
-30.58 To 179.9 %



30

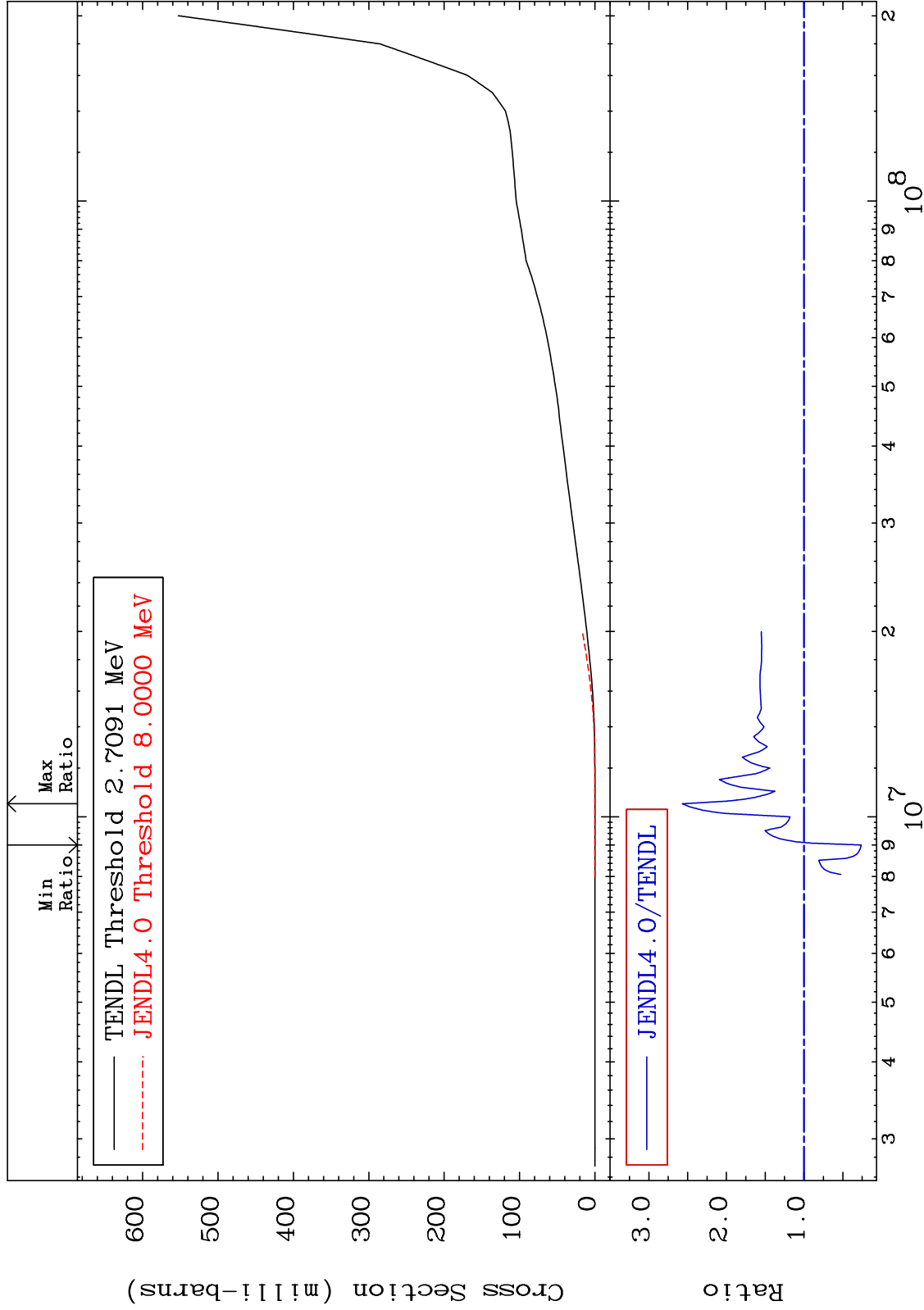
Incident Energy (eV)

70-Yb-168

MAT 7025

Deuterium Production  
Cross Section

70-Yb-168  
-73.87 To 156.7 %

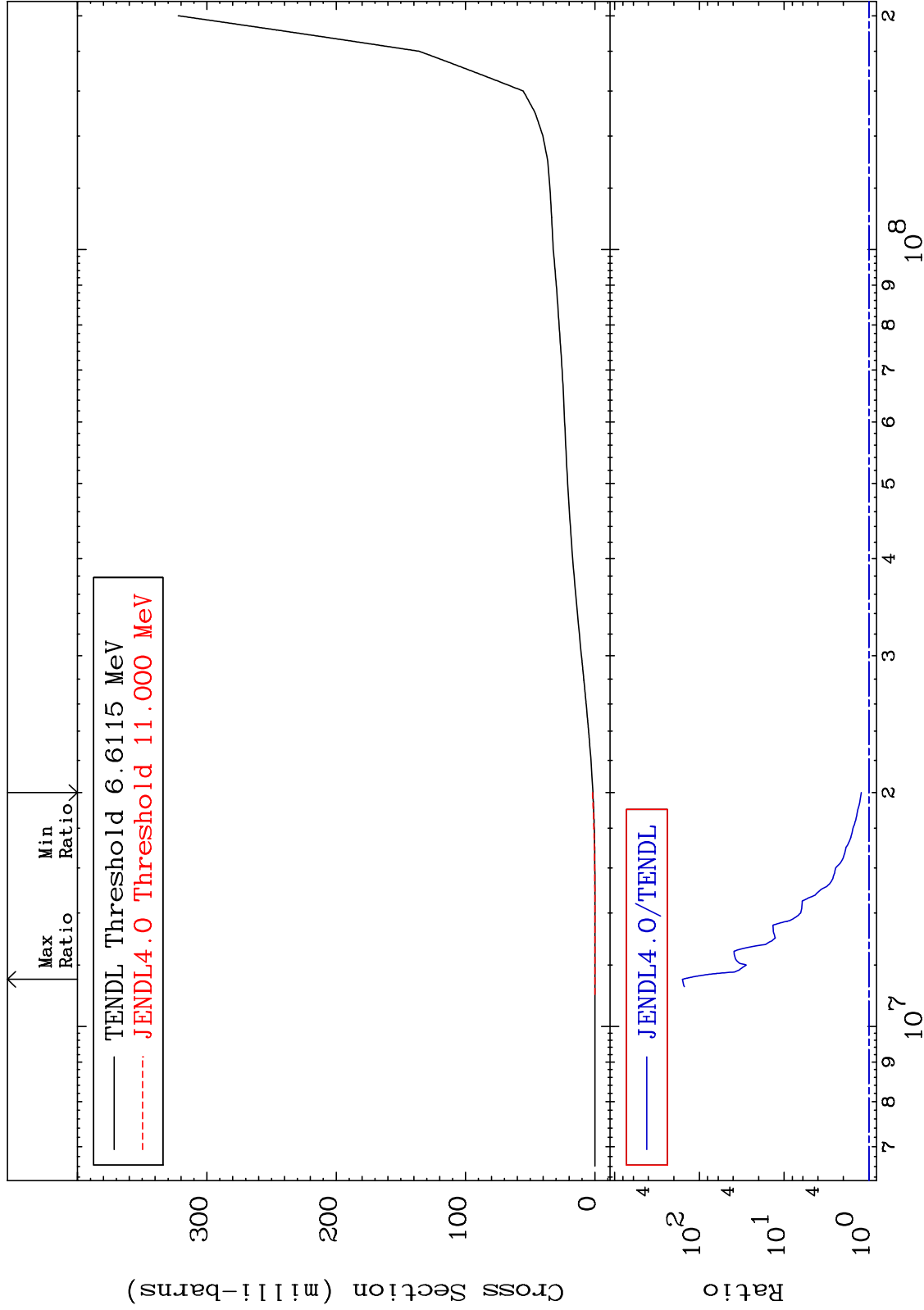




MAT 7025

Tritium Production  
Cross Section

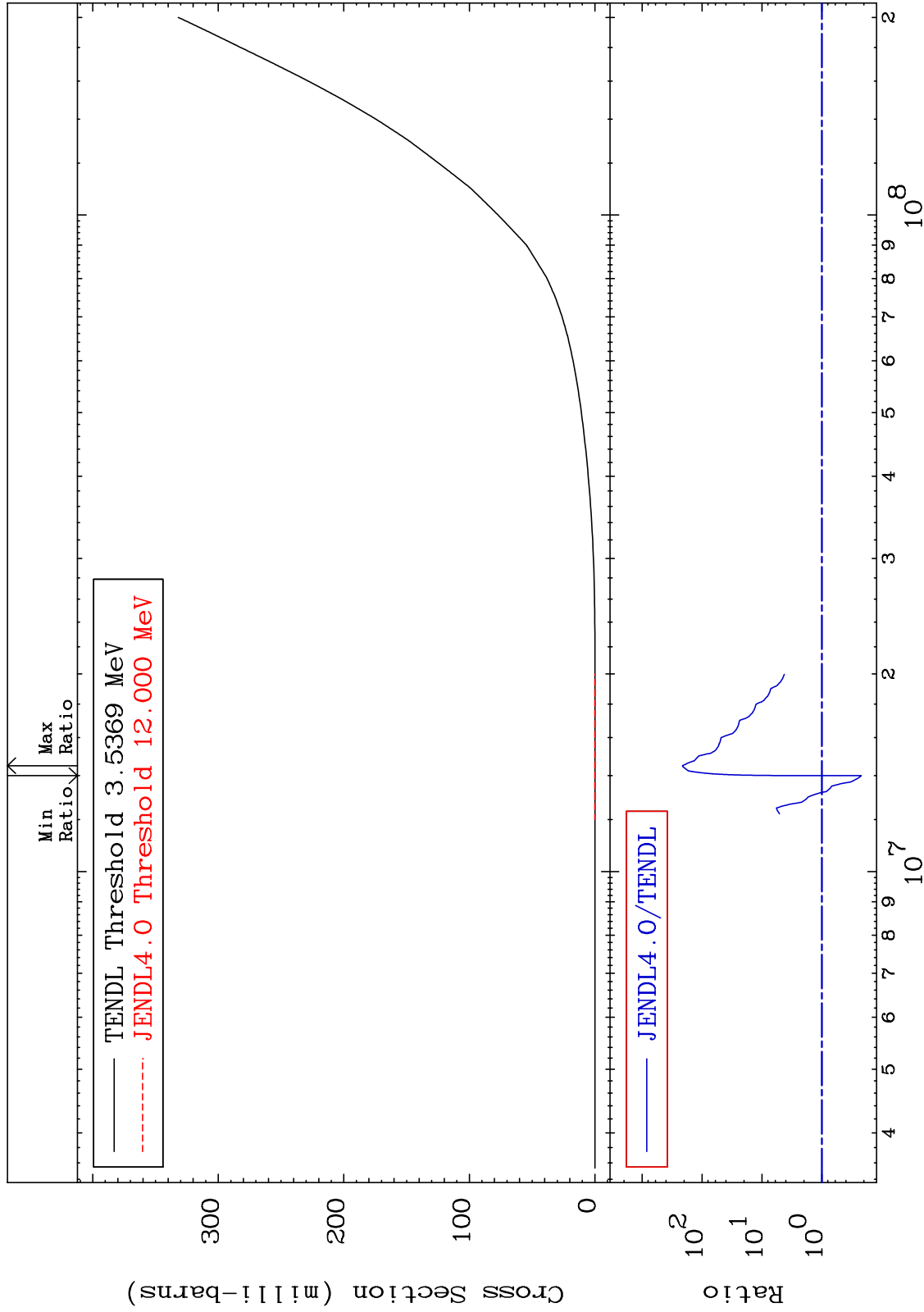
70-Yb-168  
22.95 To 9999. %



MAT 7025

He-3 Production  
Cross Section

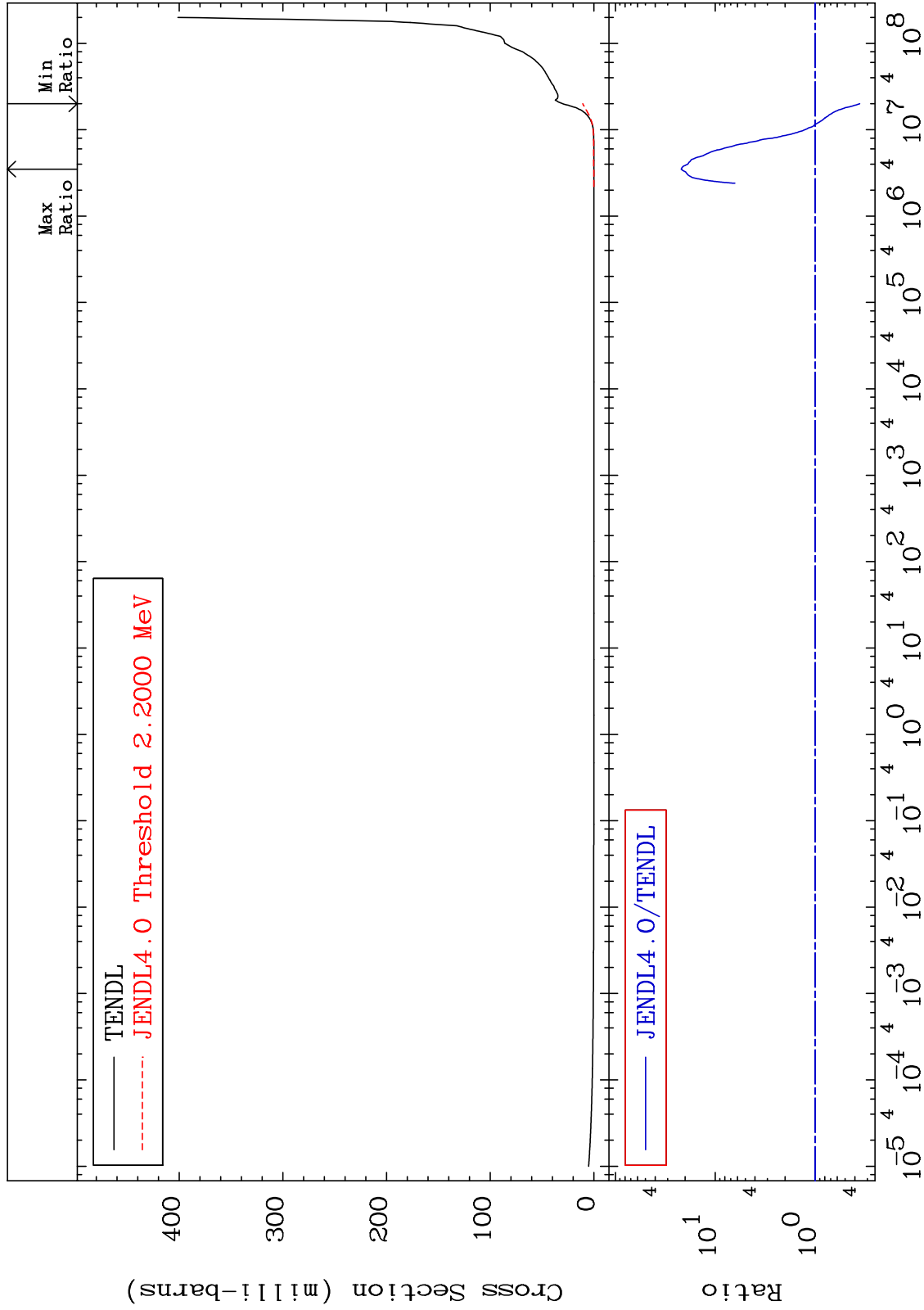
70-Yb-168  
-77.90 To 9999. %



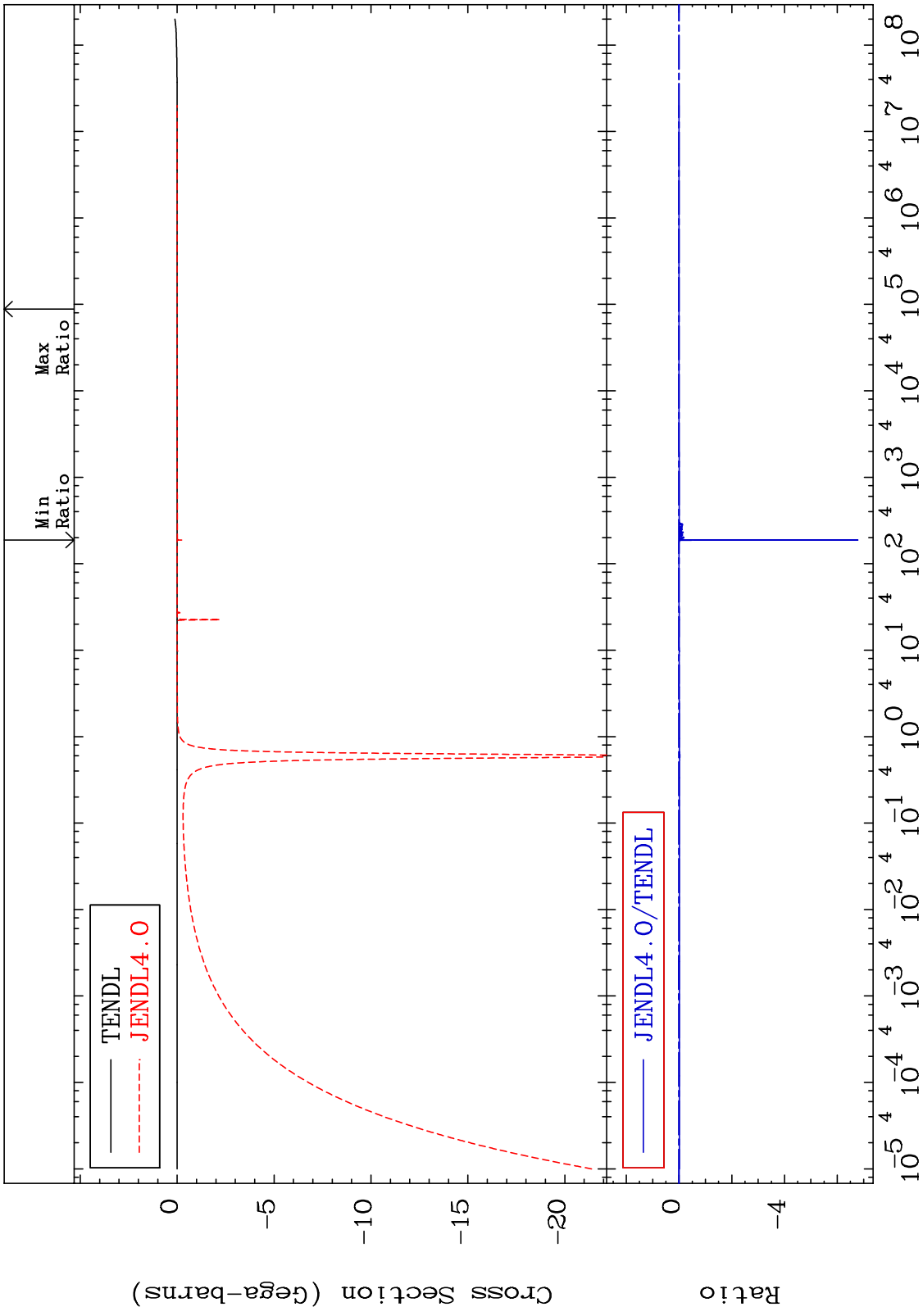
MAT 7025

He-4 Production  
Cross Section

70-Yb-168  
-64.26 To 2090. %



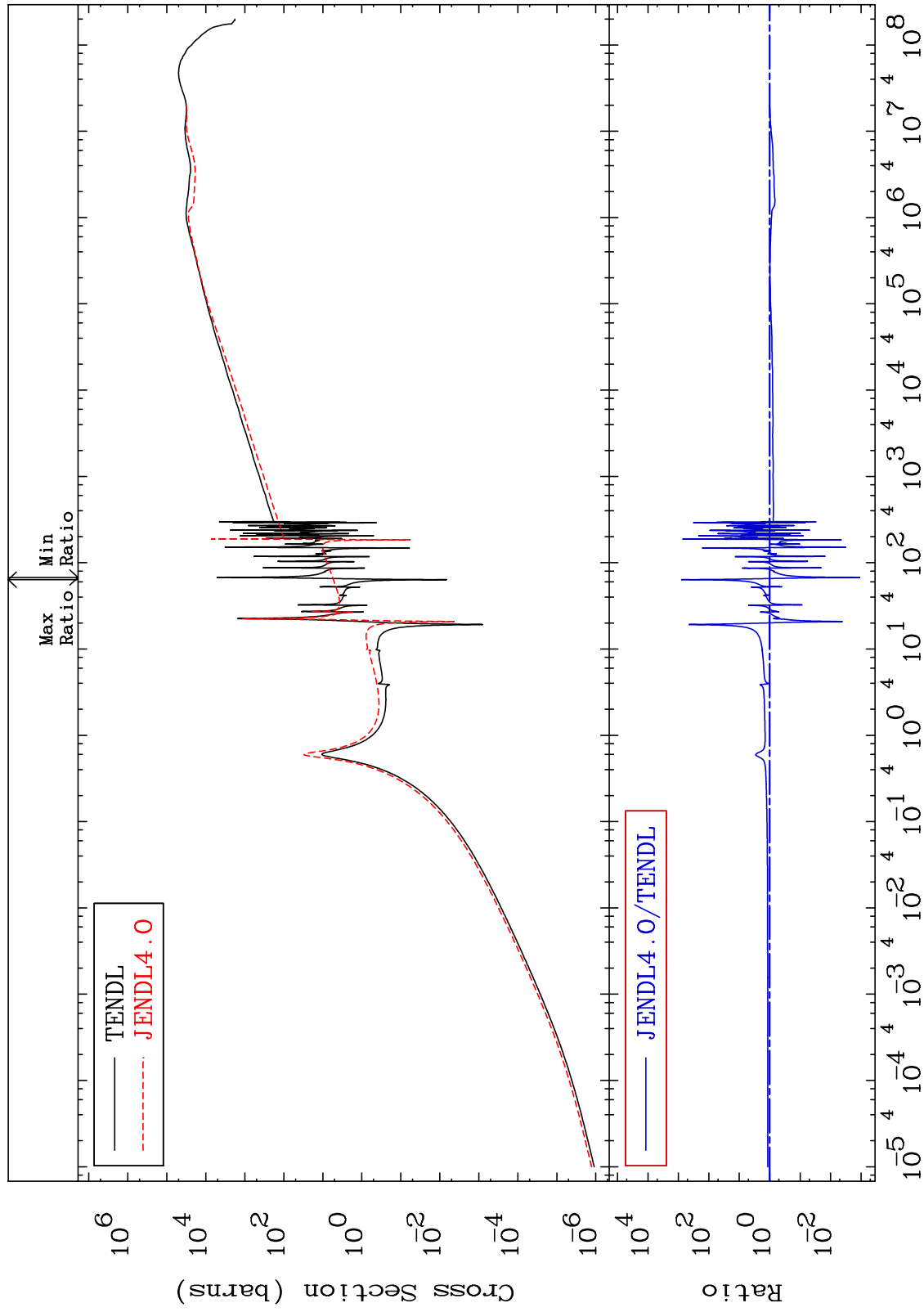
MAT 7025 Kerma total (eV-barns) 70-Yb-168  
 Cross Section -9999. To 147.1 %



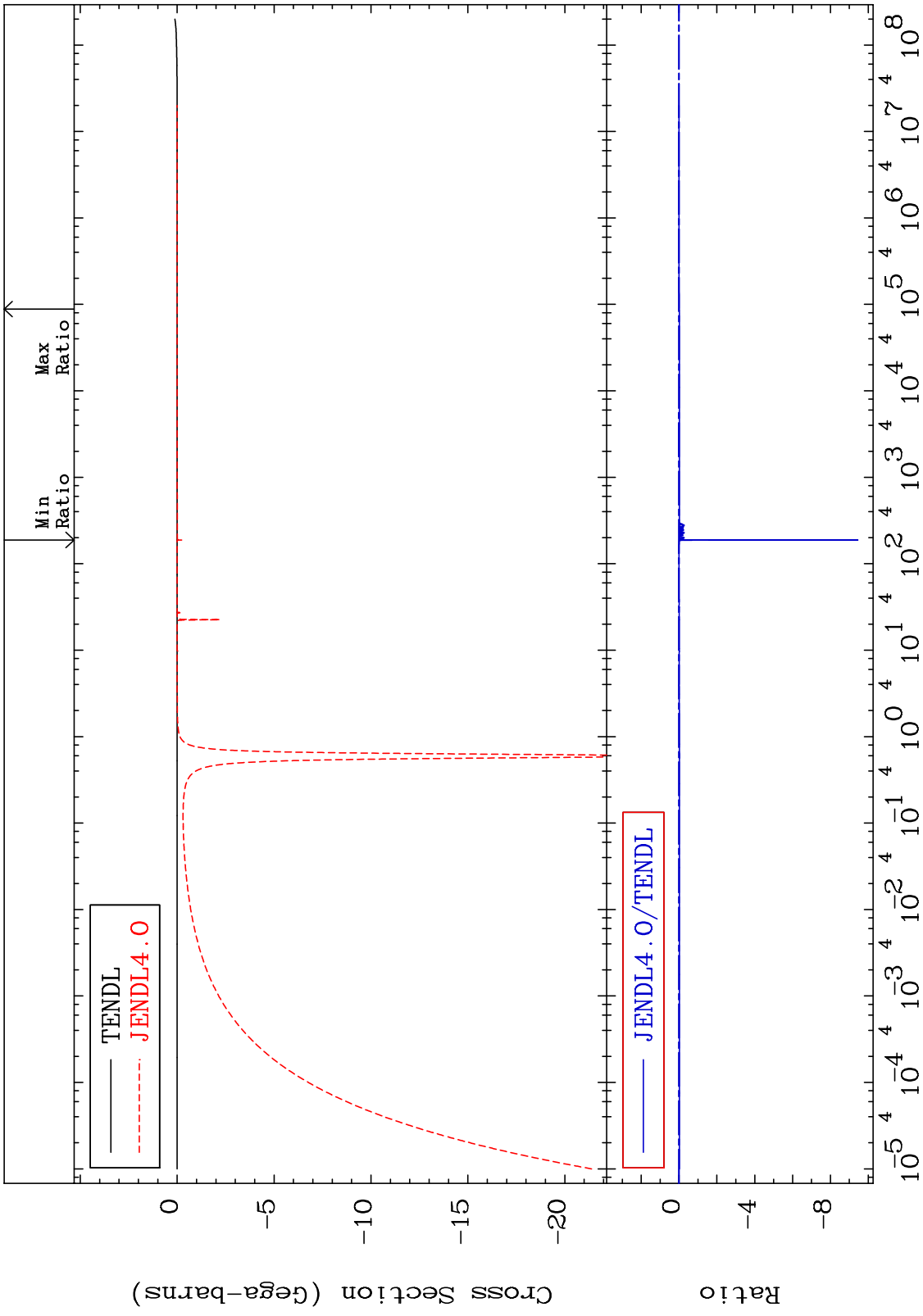
MAT 7025

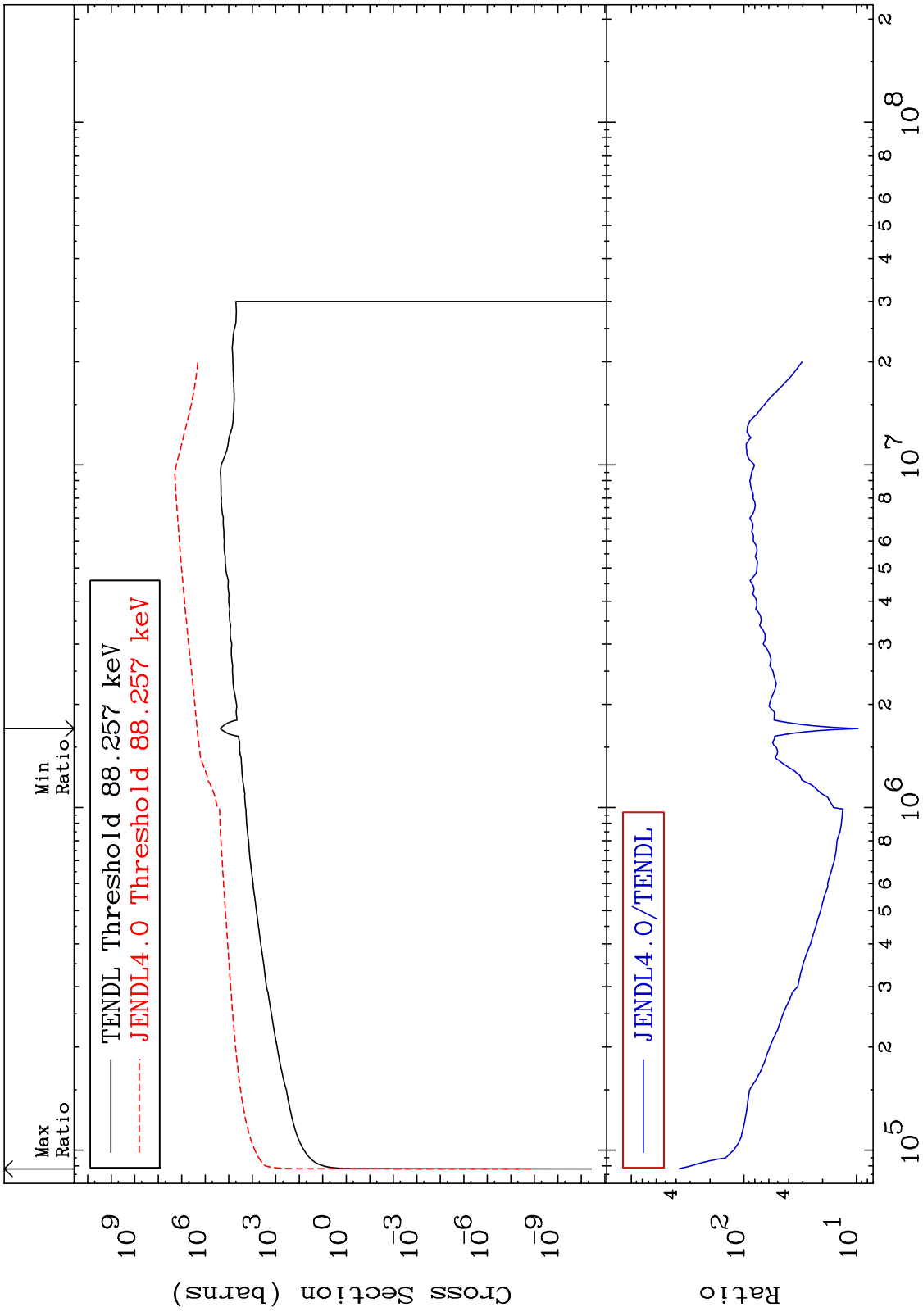
Kerma elastic  
Cross Section

70-Yb-168  
-99.89 To 9999. %



MAT 7025 Kerma non-elastic (all but mt.2) Cross Section 70-Yb-168  
 -9999. To 9999. %

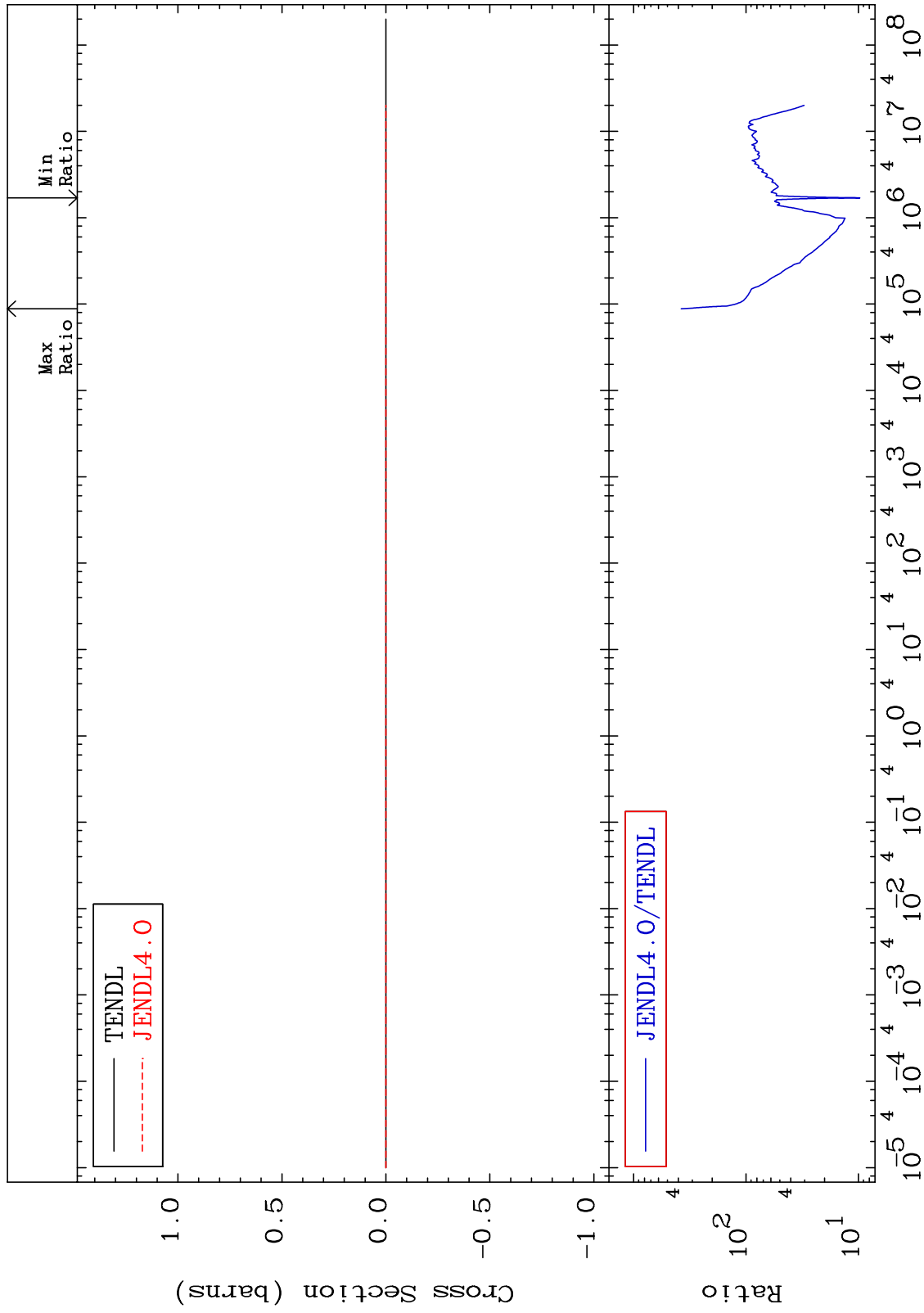




MAT 7025

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

70-Yb-168  
871.4 To 9999. %

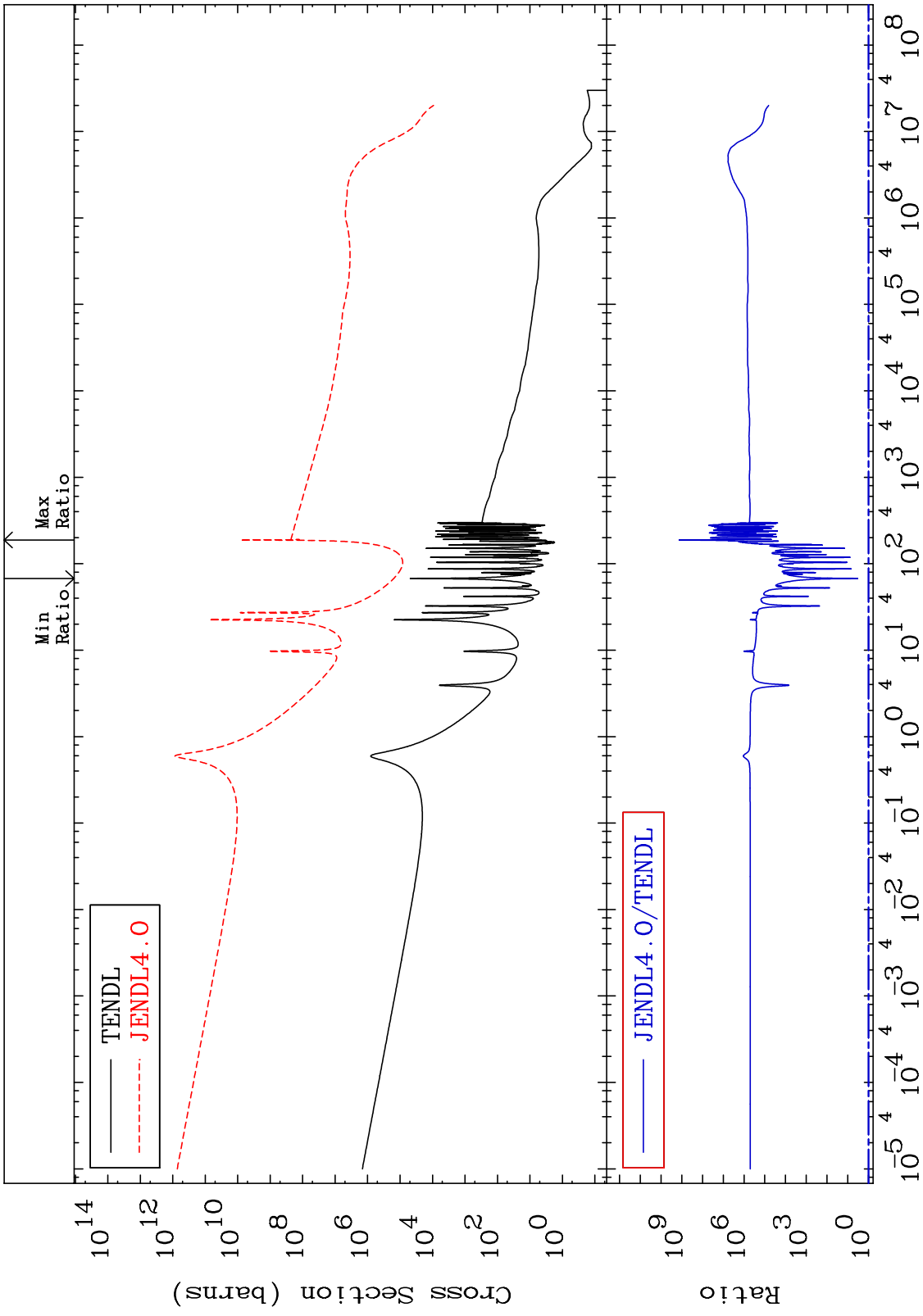


Incident Energy (eV)

70-Yb-168

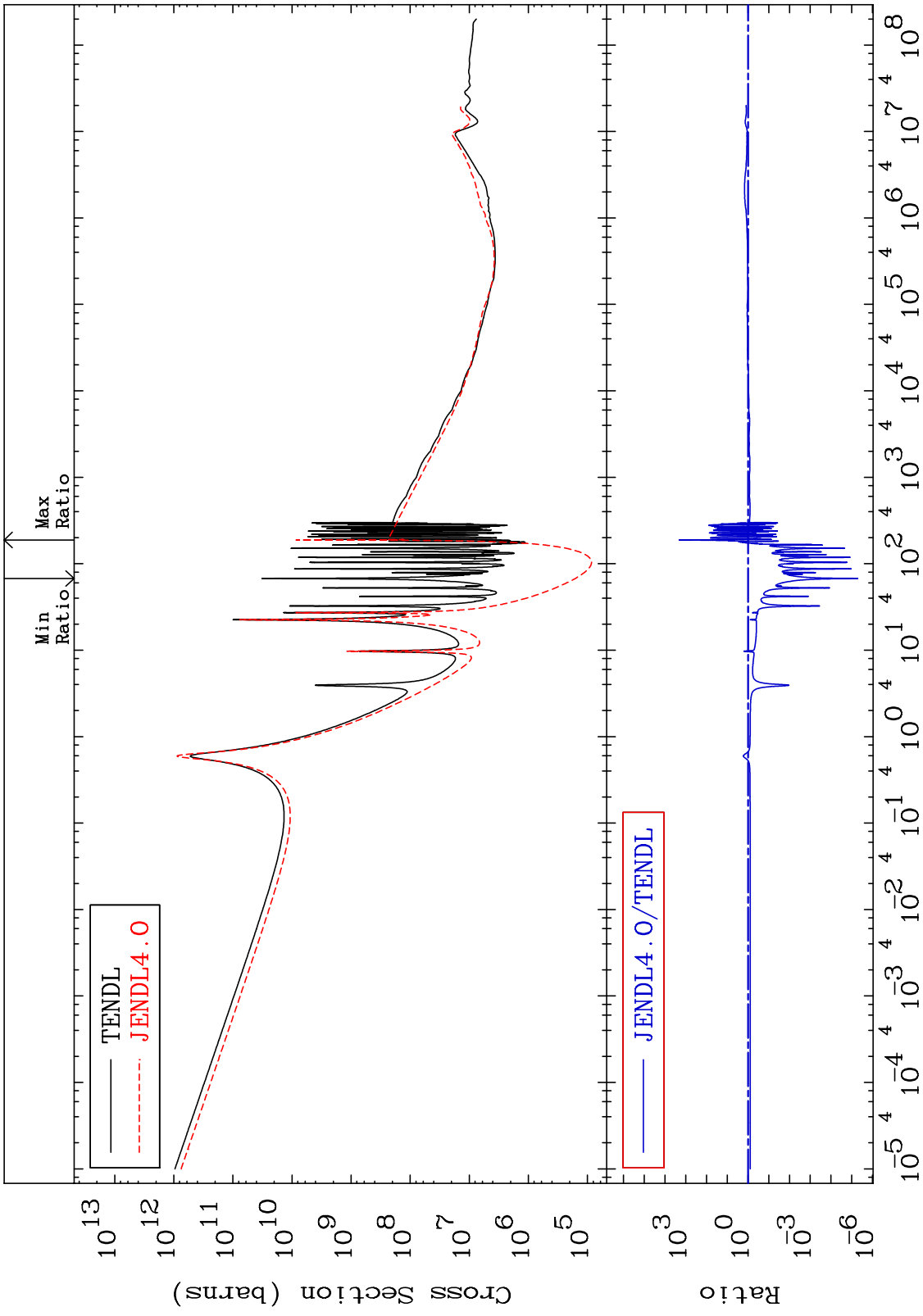


MAT 7025 Kerma capture (mt102) 70-Yb-168  
 Cross Section 225.9 To 9999. %

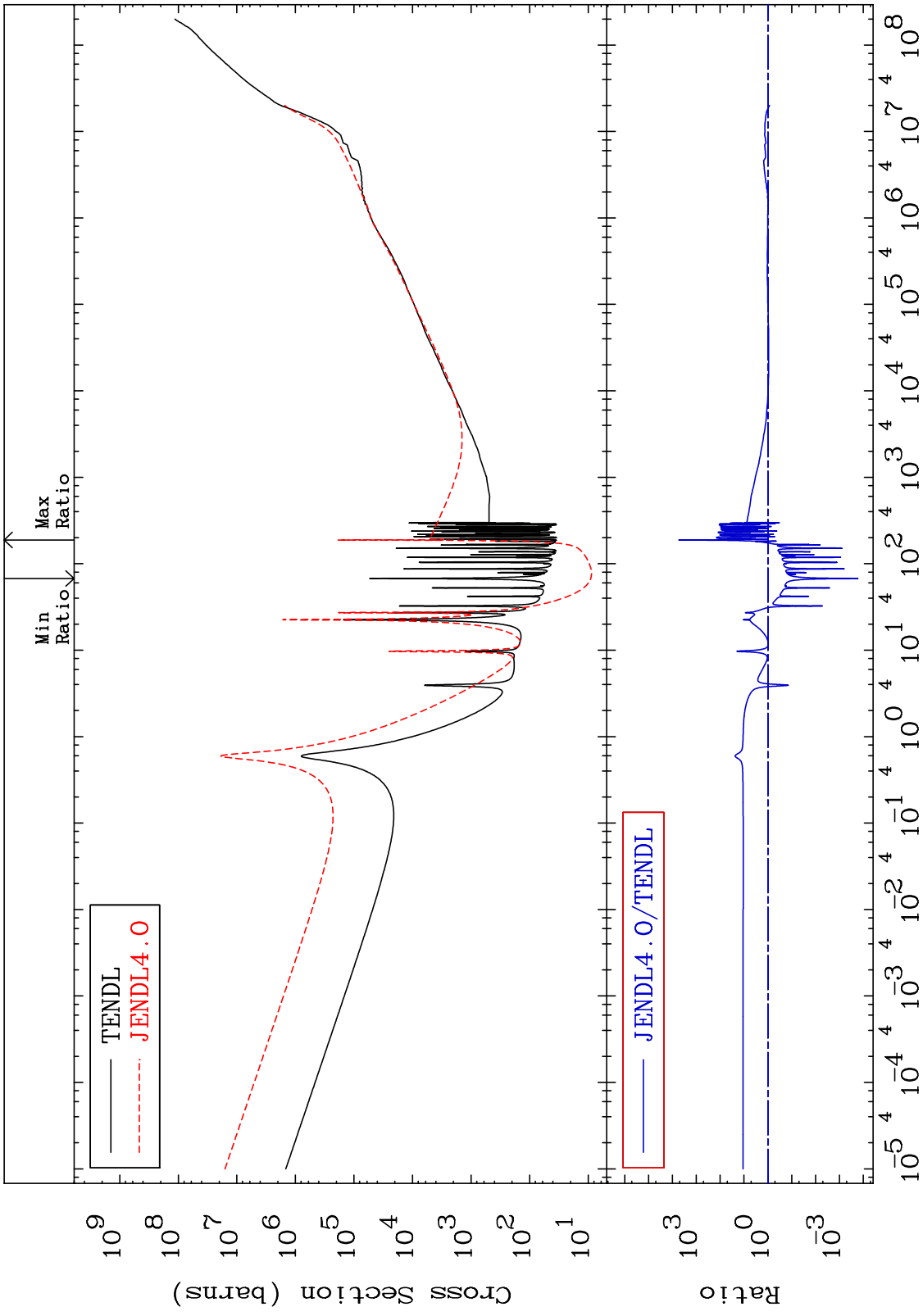


40 70-Yb-168

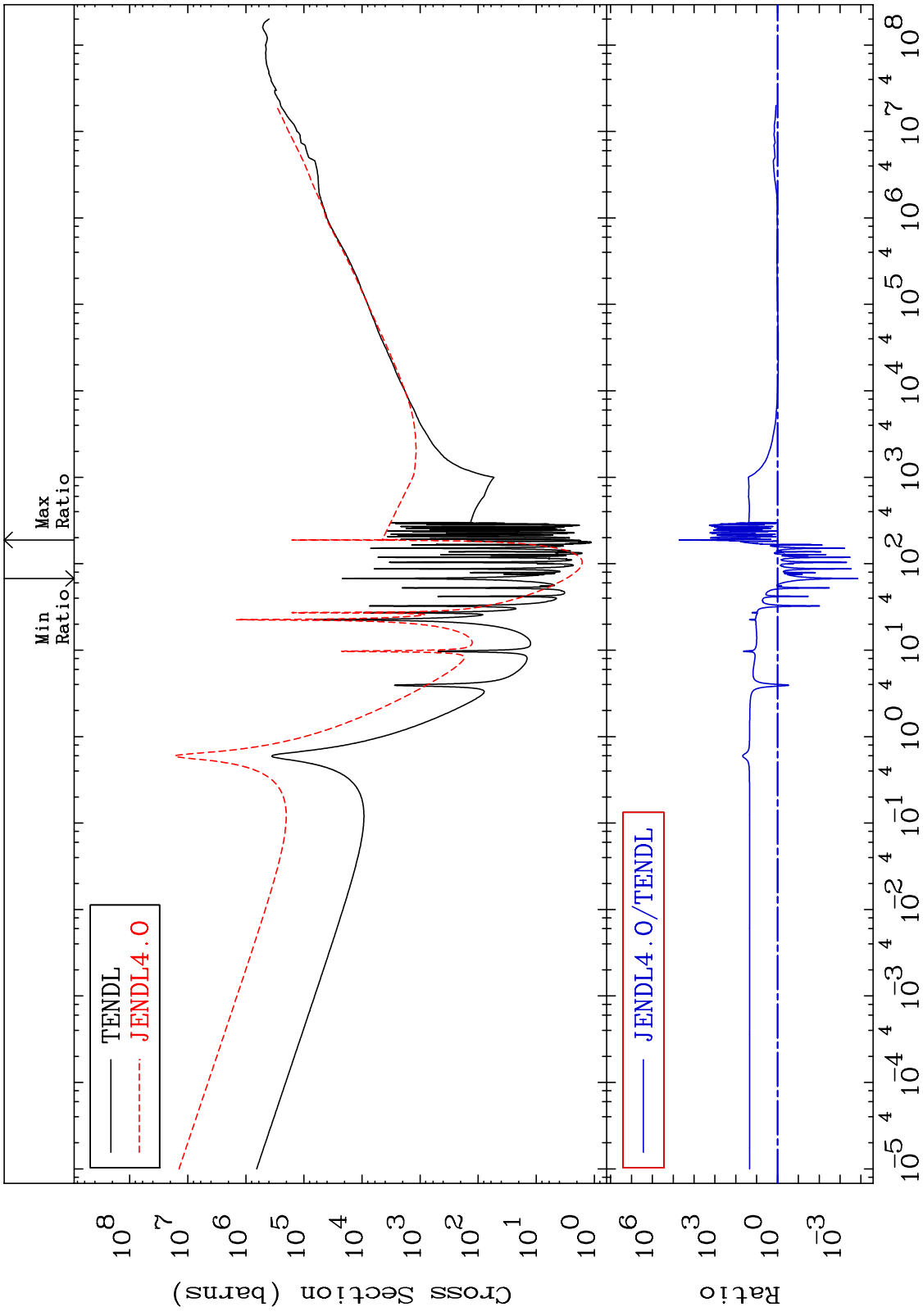
MAT 7025 70-Yb-168  
-100.0 To 9999. %  
 Total photon (eV-barns)  
 Cross Section



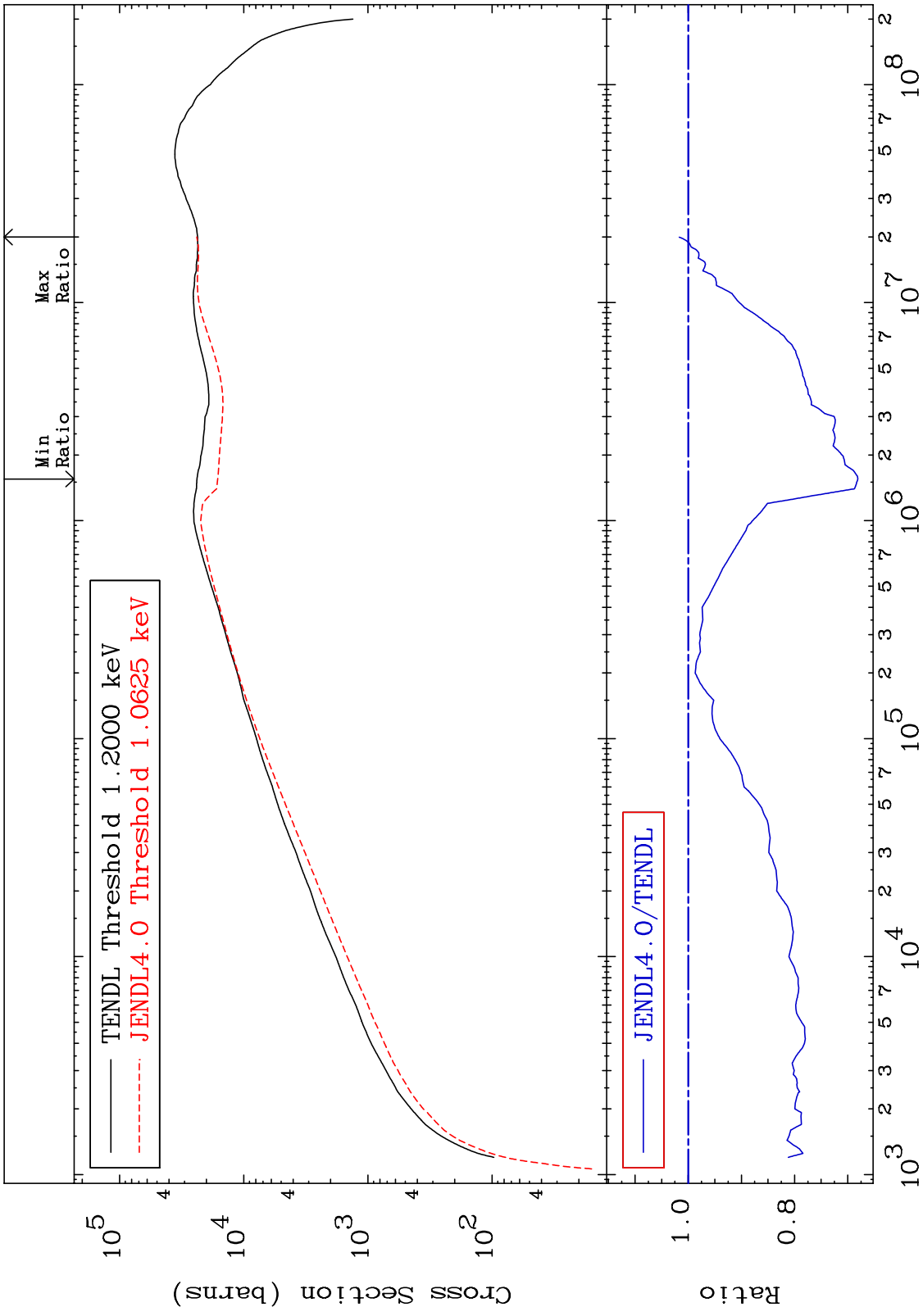
MAT 7025 Total kinematic kerma (high limit) 70-Yb-168  
 -99.98 To 9999. %  
 Cross Section



MAT 7025      Dpa total (eV-barns)      70-Yb-168  
 -99.99 To 9999. %

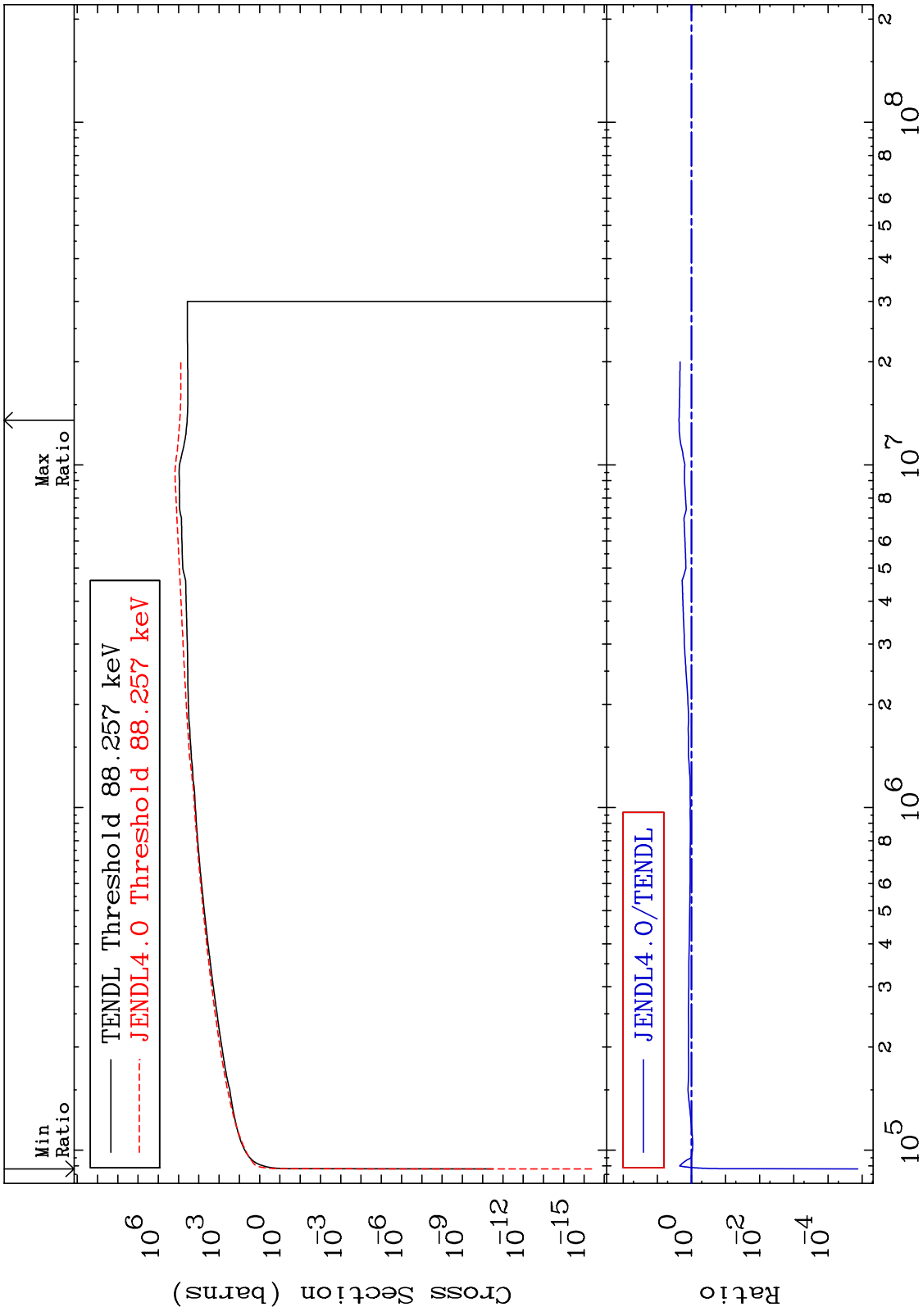


MAT 7025 70-Yb-168  
 Dpa elastic (mt2) -31.89 To 1.725 %  
 Cross Section

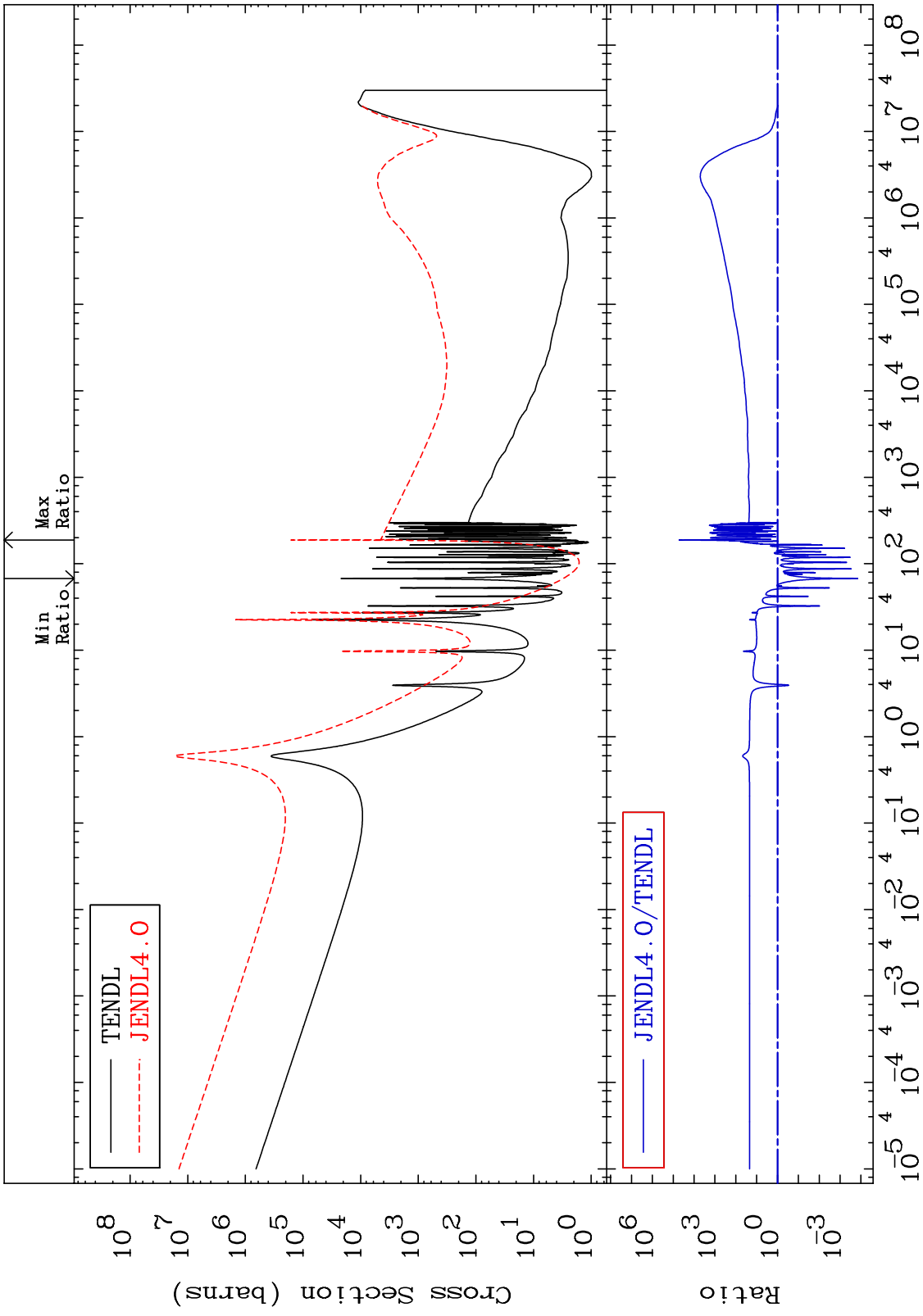


44 70-Yb-168

MAT 7025      Dpa inelastic (mt51-91)      70-Yb-168  
 Cross Section      -100.0 To 131.4 %

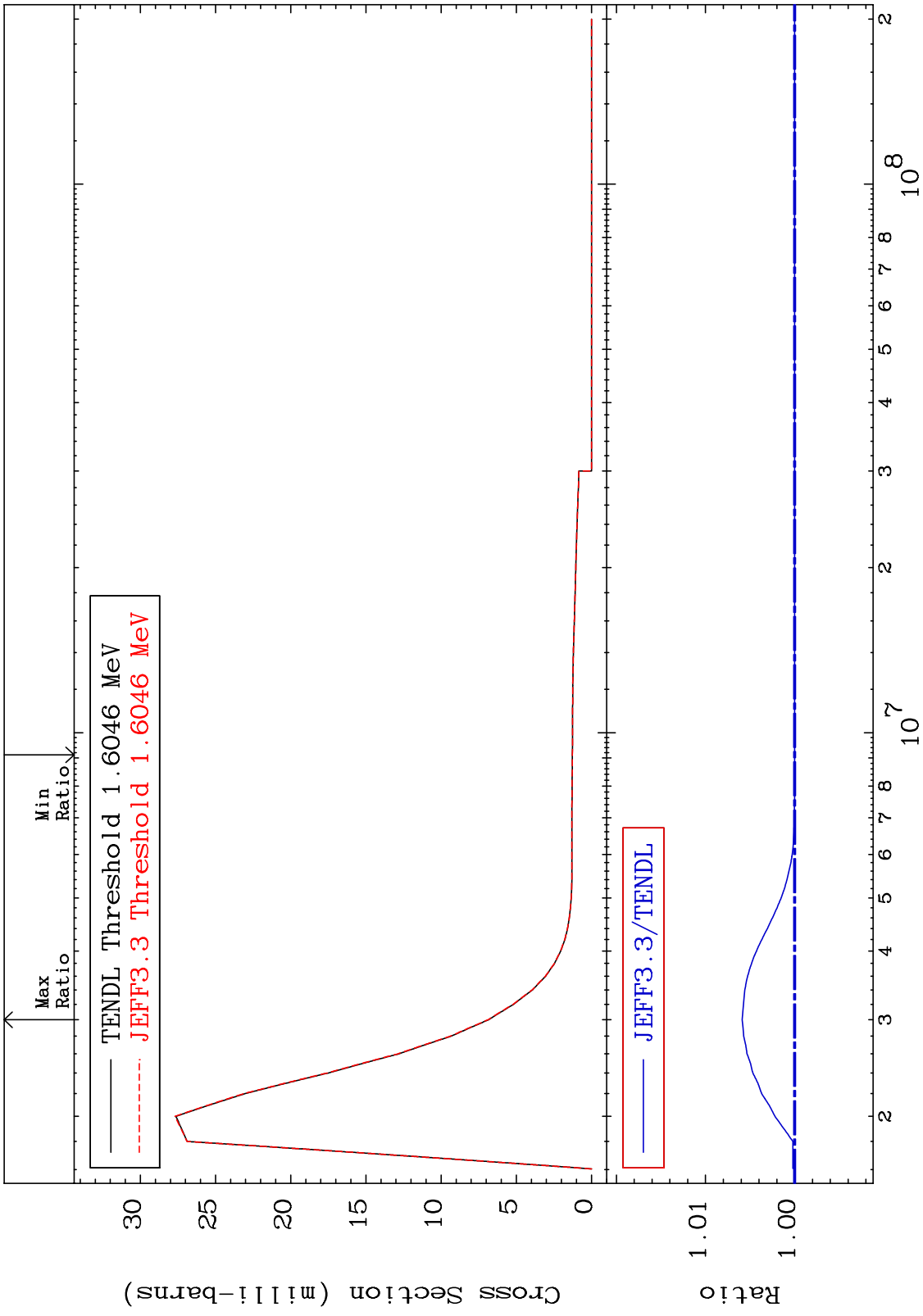


MAT 7025      Dpa disappearance (mt102 -120)      70-Yb-168  
 Cross Section      -99.99 To 9999. %



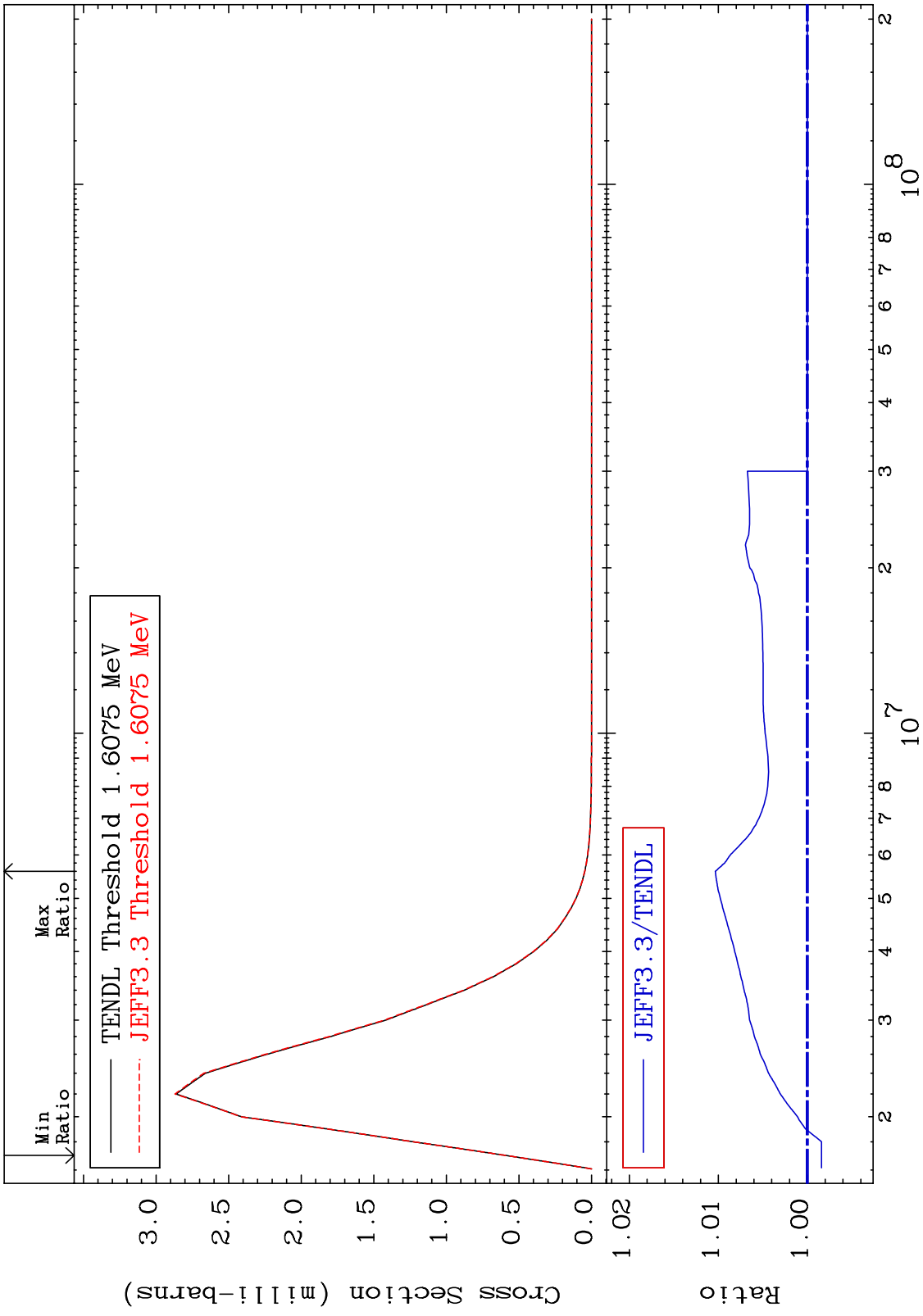
46      Incident Energy (eV)      70-Yb-168

MAT 7025 MT= 78 (n,n') Level Cross Section 70-Yb-168 To 0.588 %

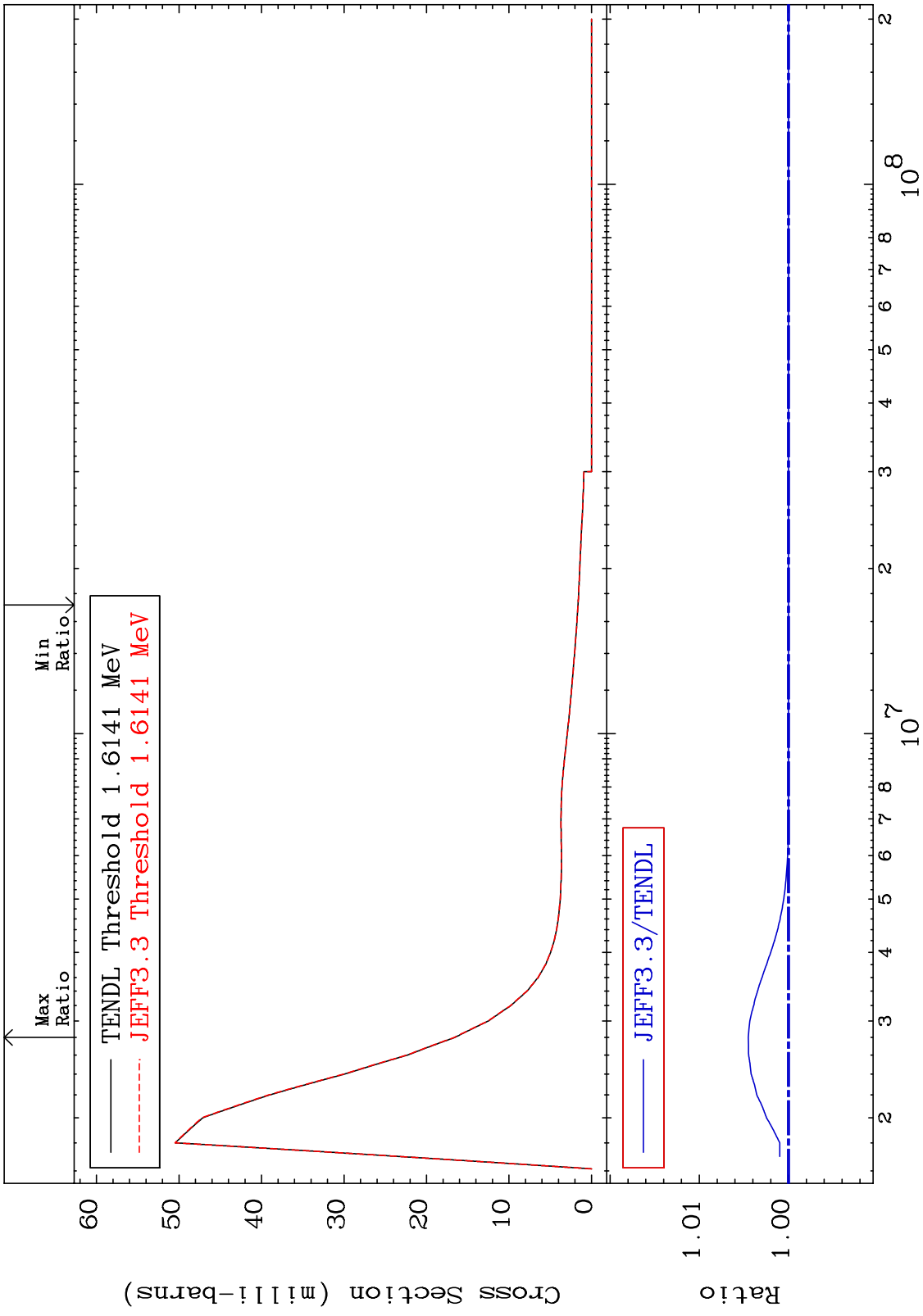




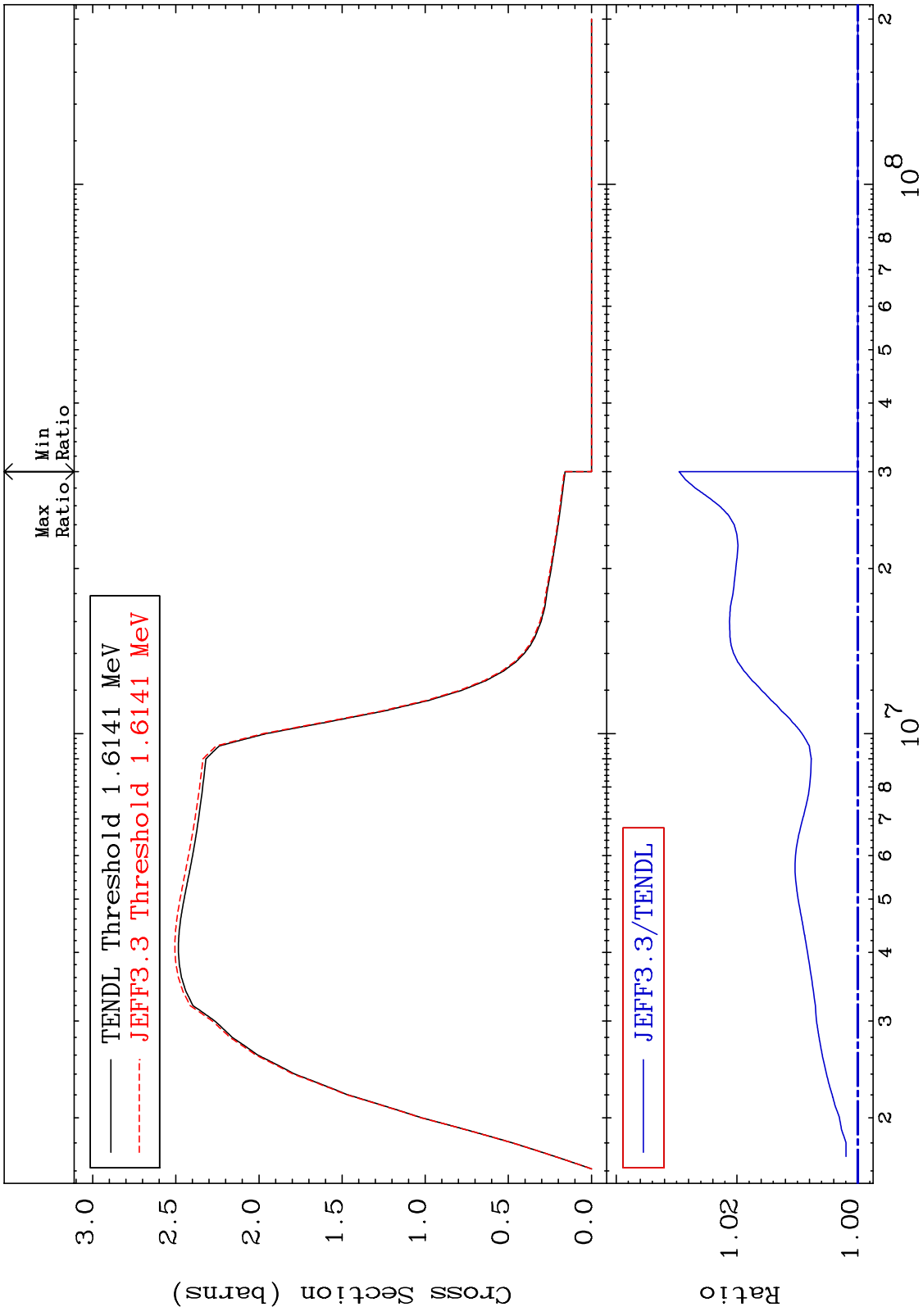
MAT 7025 MT= 79 (n,n') Level Cross Section 70-Yb-168 -0.160 To 1.035 %



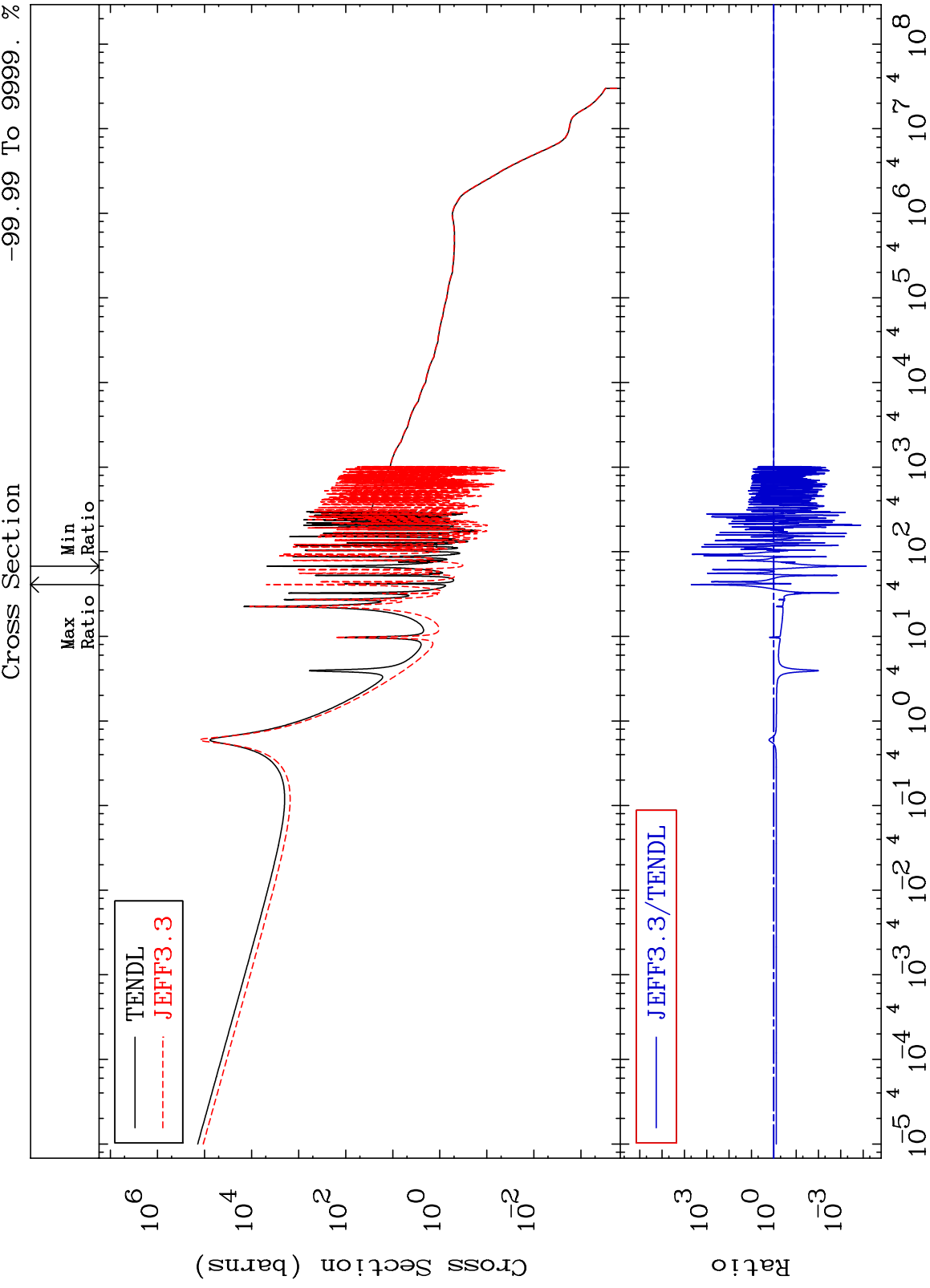
MAT 7025 MT= 80 (n,n') Level Cross Section 70-Yb-168 To 0.450 %

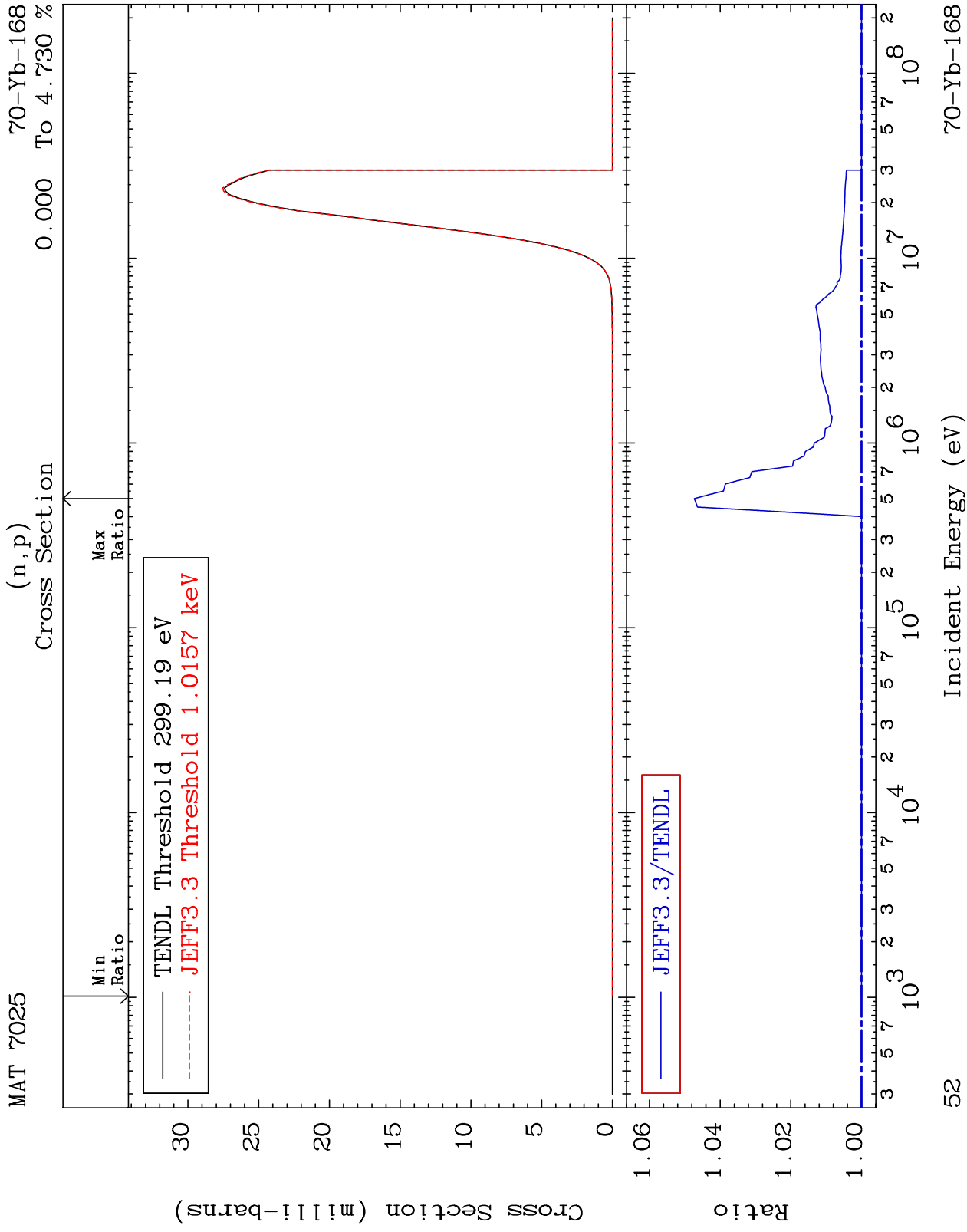


MAT 7025 (n, n') Continuum Cross Section 70-Yb-168 To 2.959 %

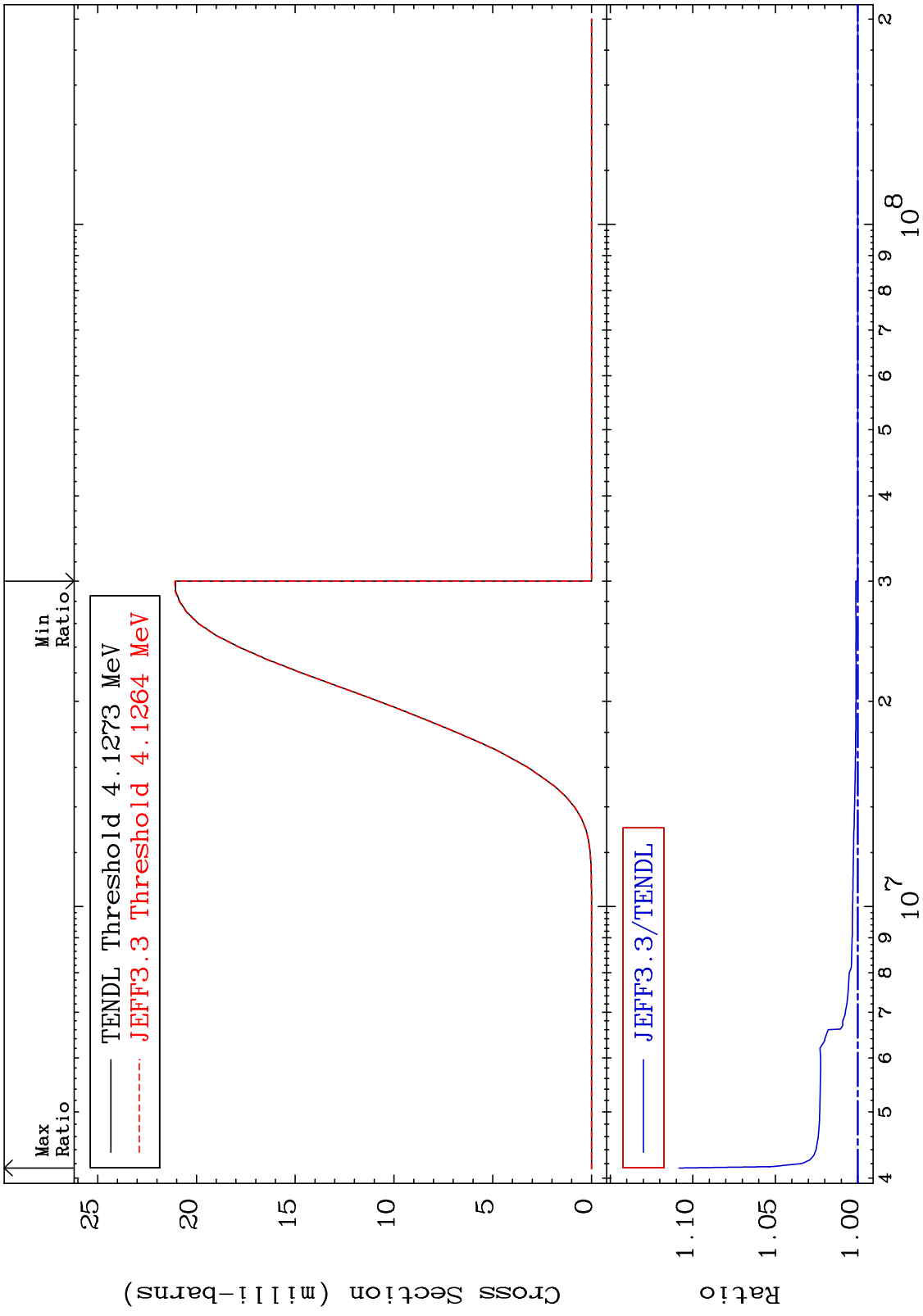


MAT 7025  $(n, \gamma)$  70-Yb-168 -99.99 To 9999. %

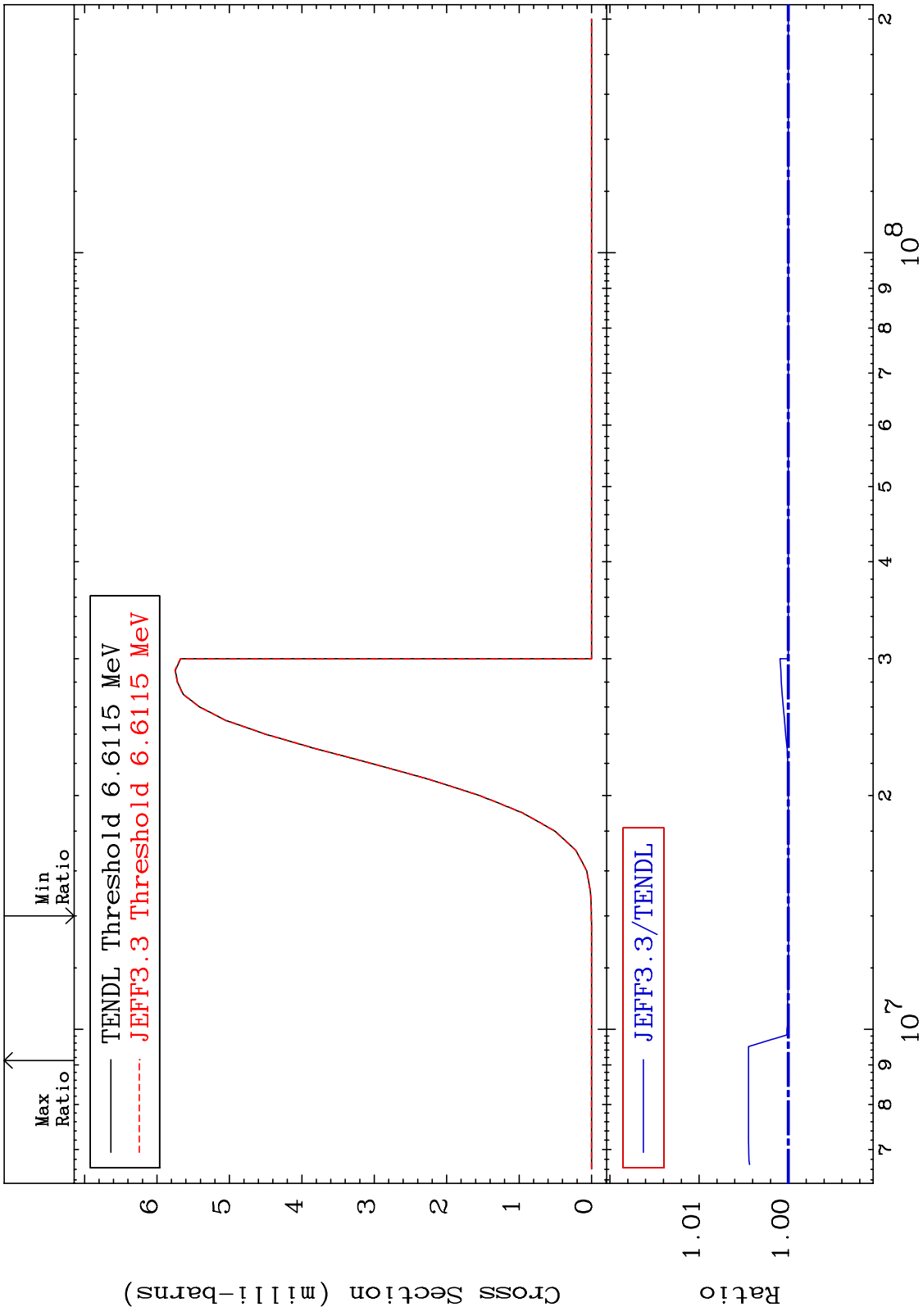




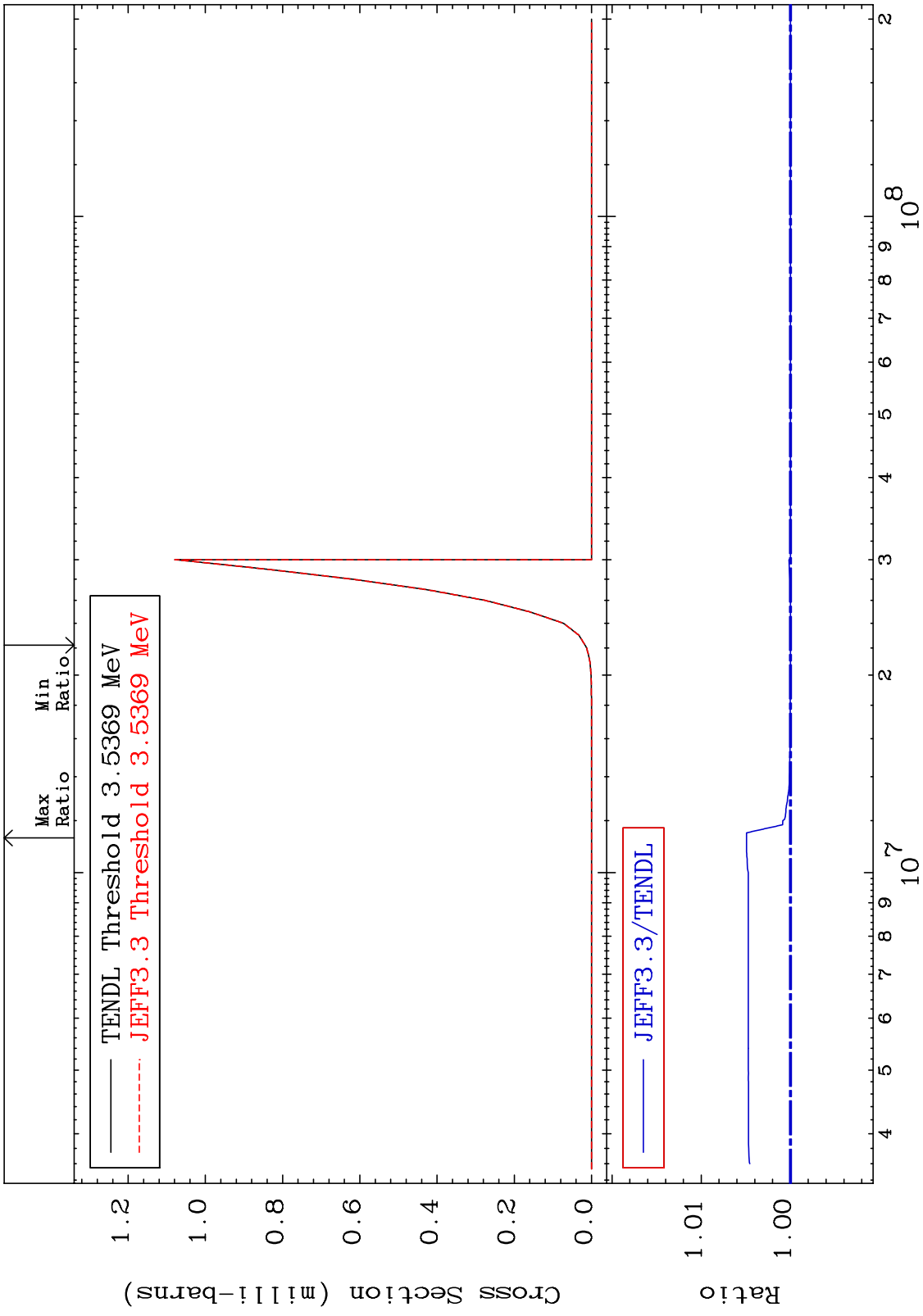
MAT 7025 (n,d) Cross Section 70-Yb-168 To 10.83 %



MAT 7025 (n,t) Cross Section 70-Yb-168 -0.001 To 0.448 %



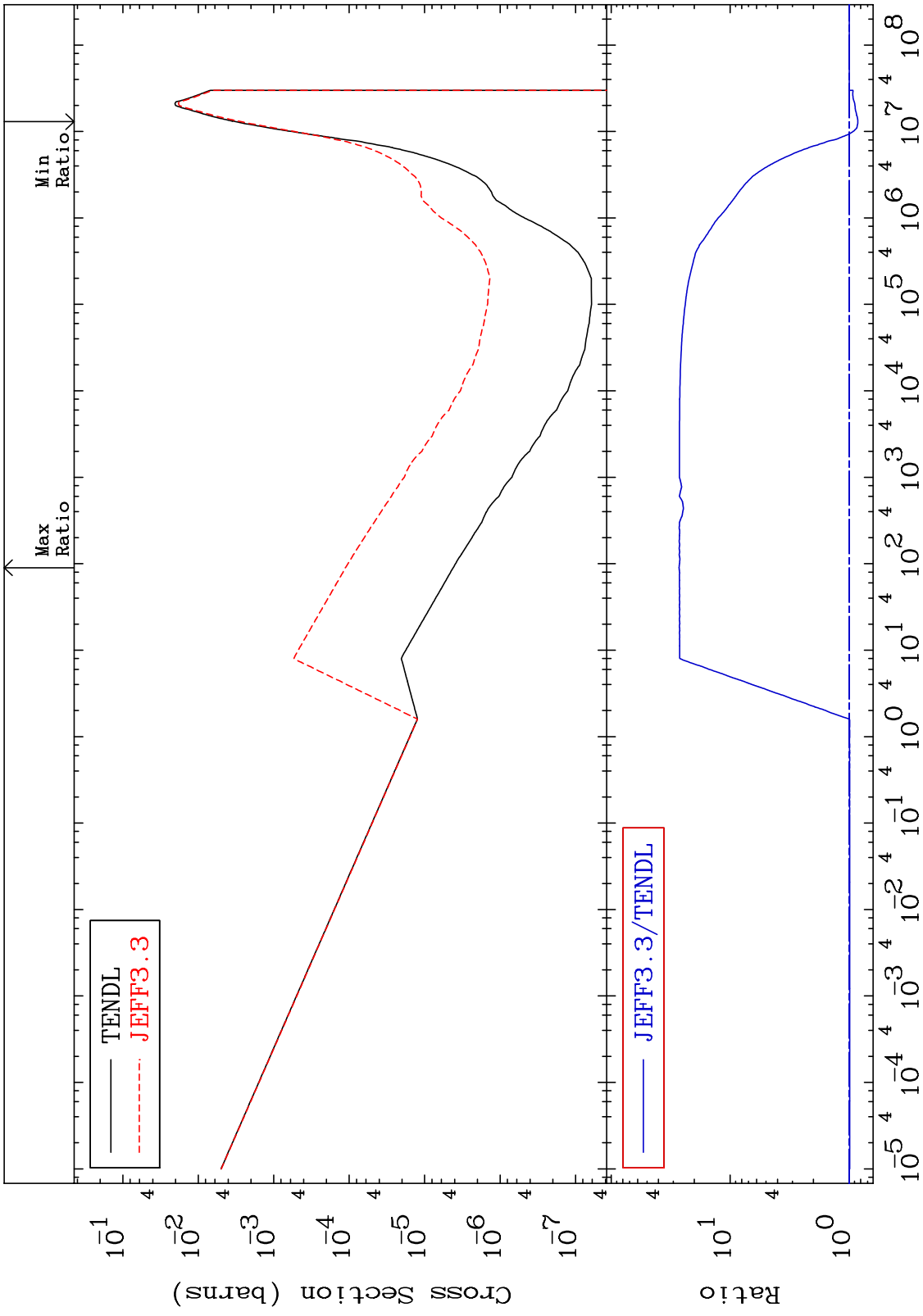
MAT 7025 (n, He-3) Cross Section 70-Yb-168 To 0.493 %

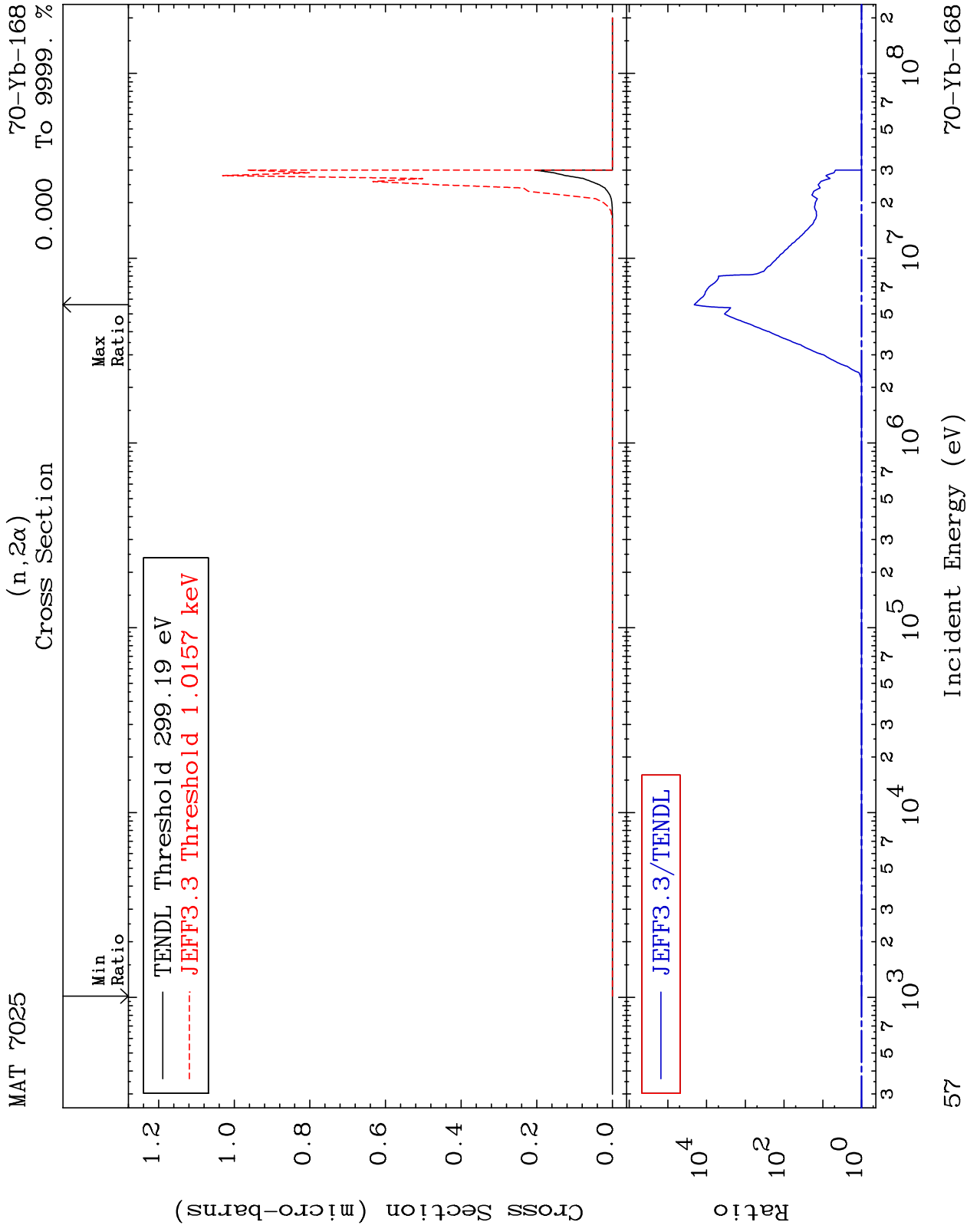




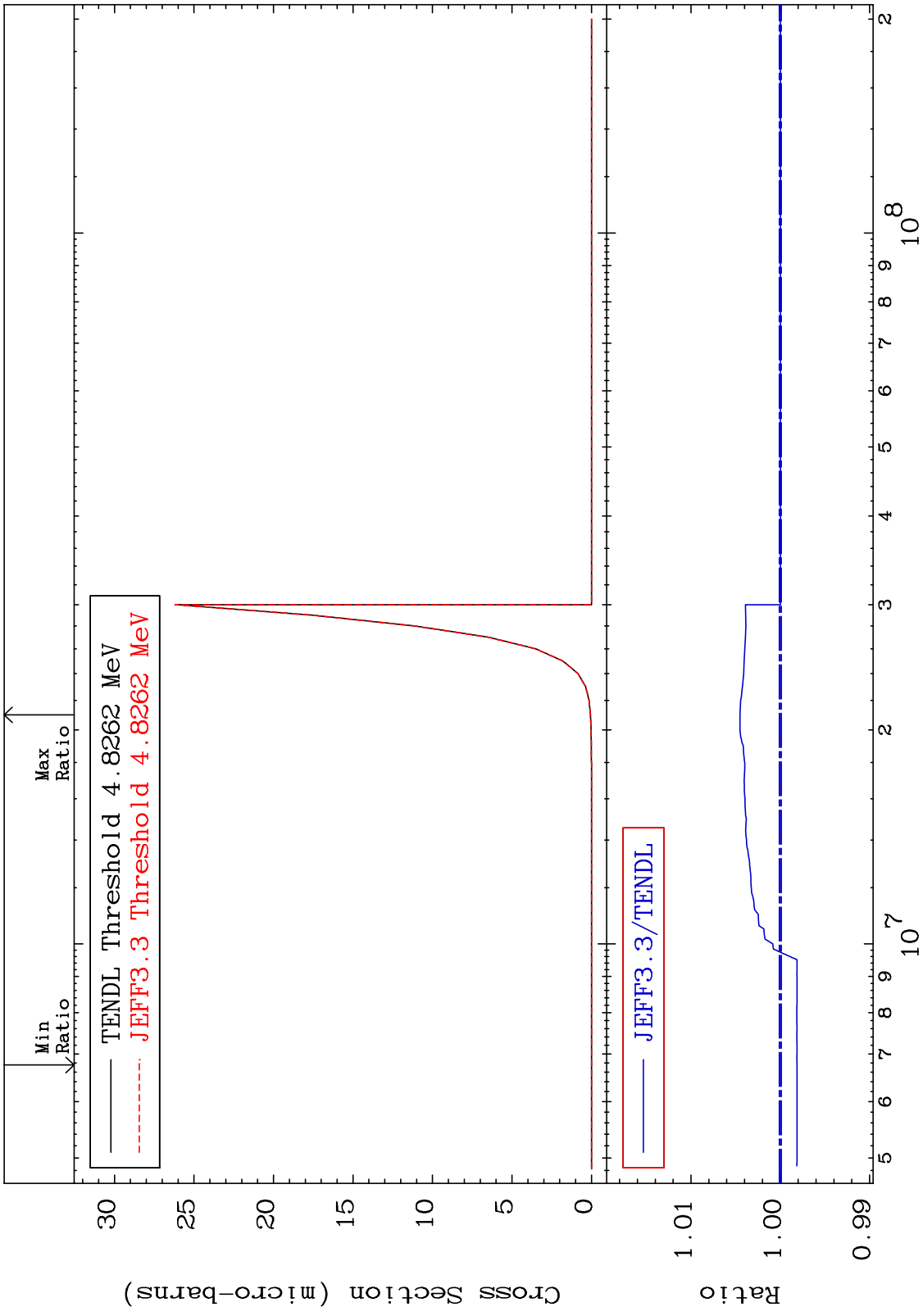
MAT 7025 70-Yb-168  
-15.45 To 2589. %

(n,  $\alpha$ )  
 Cross Section





MAT 7025  $(n,2p)$   $^{70}\text{Yb-168}$   
 Cross Section  $-0.187$  To  $0.453$  %



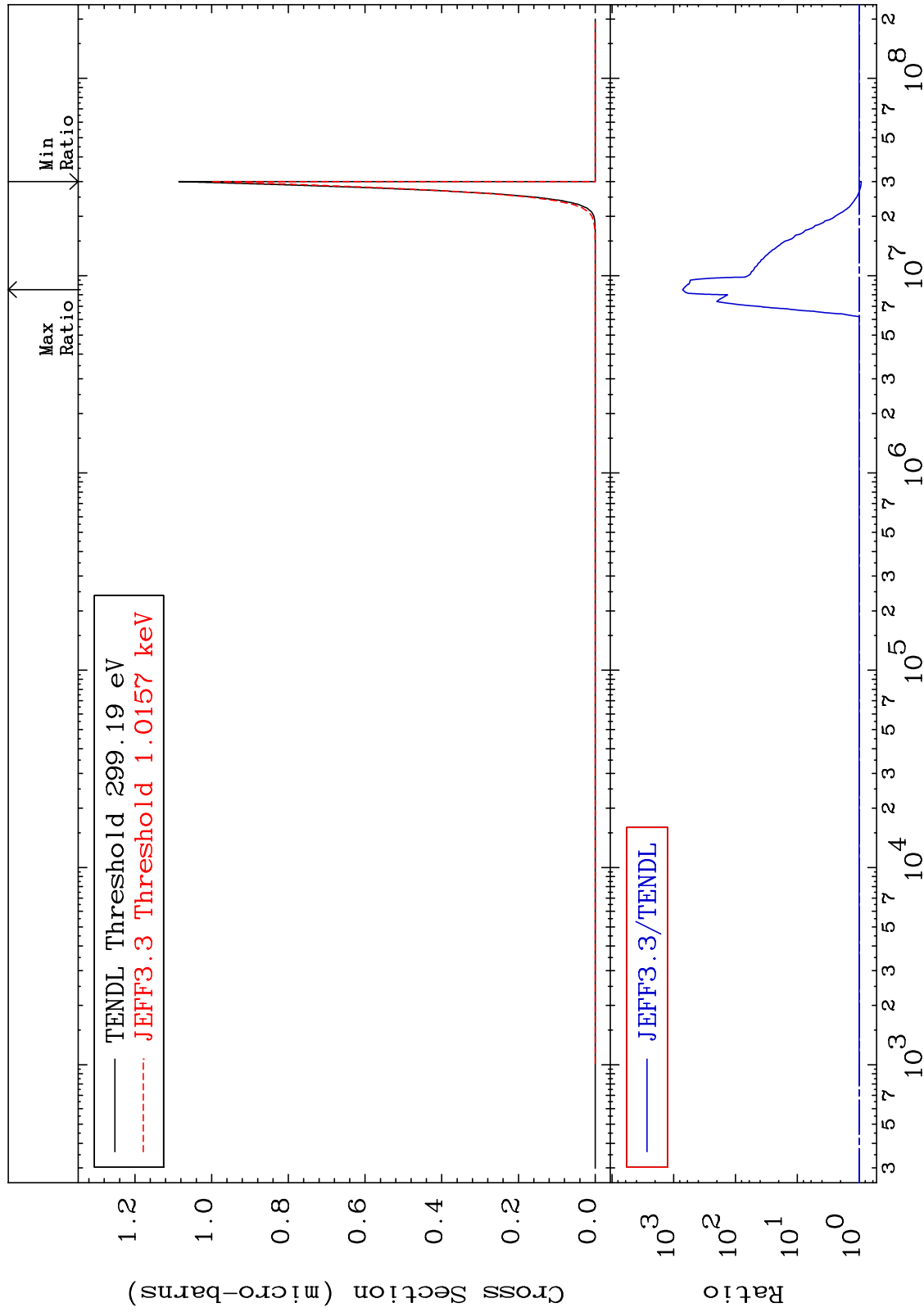
MAT 7025

(n,p)  $\alpha$

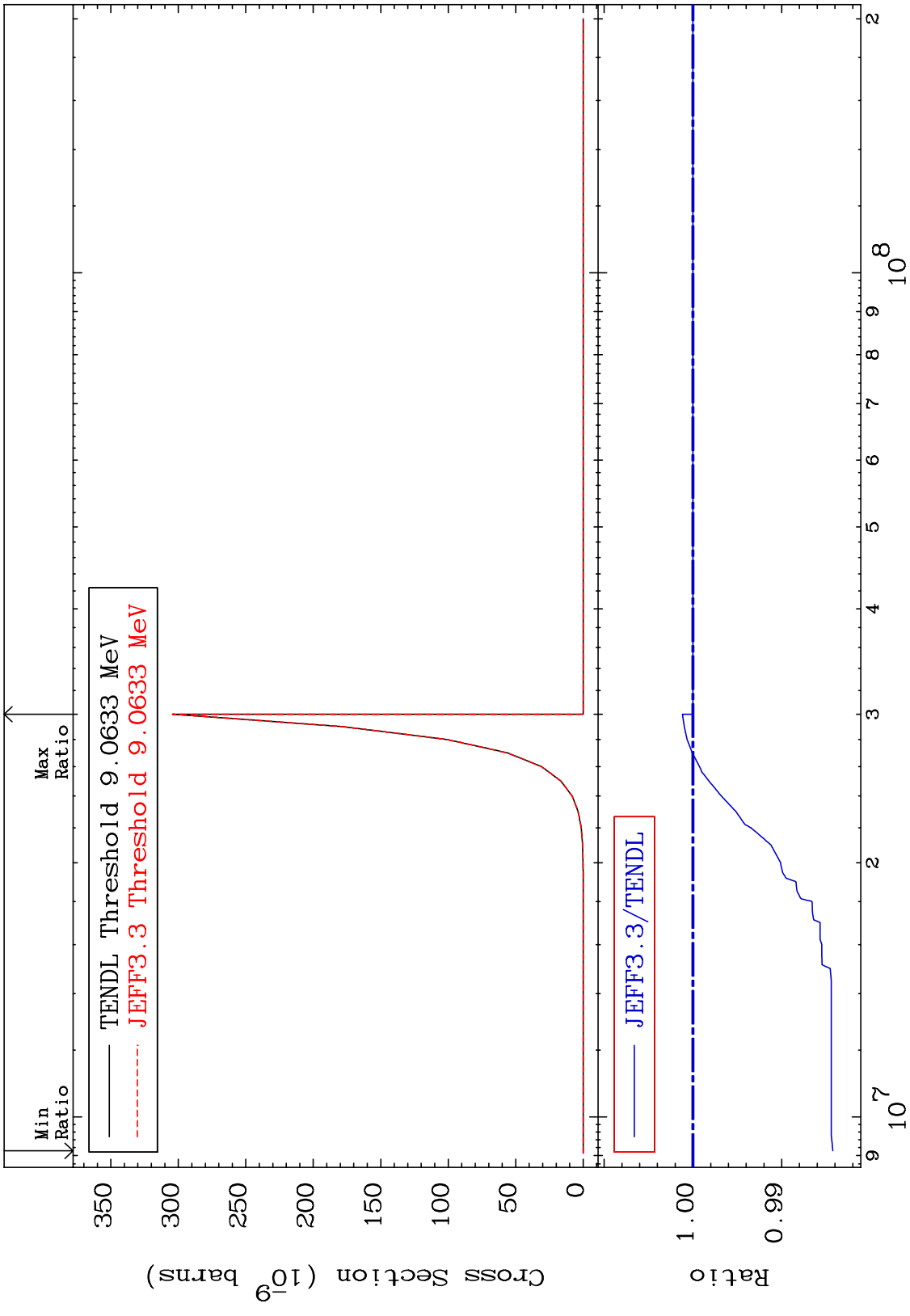
70-Yb-168

Cross Section

-7.722 To 9999. %

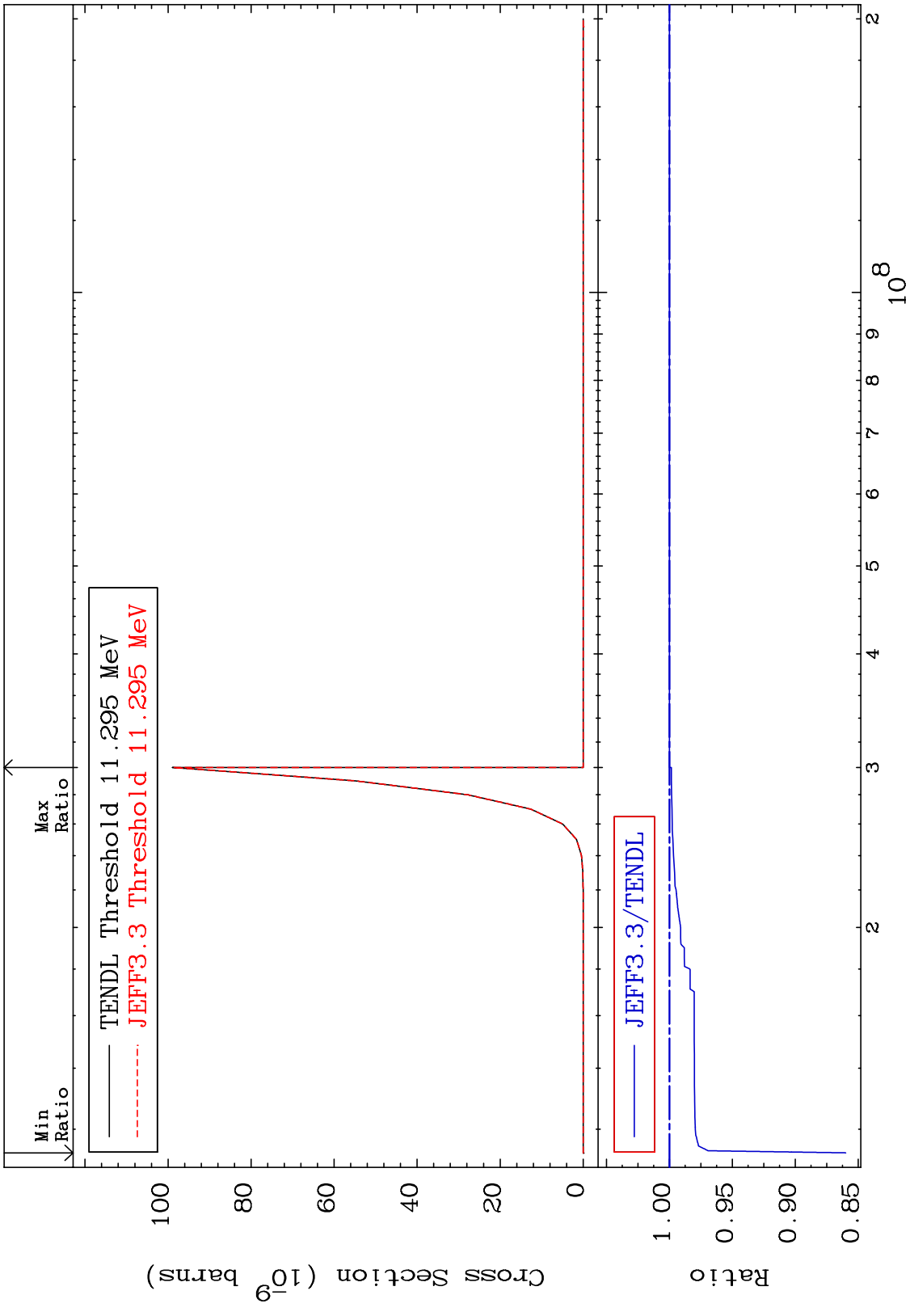


MAT 7025 (n,p) d 70-Yb-168  
 Cross Section -1.575 To 0.118 %

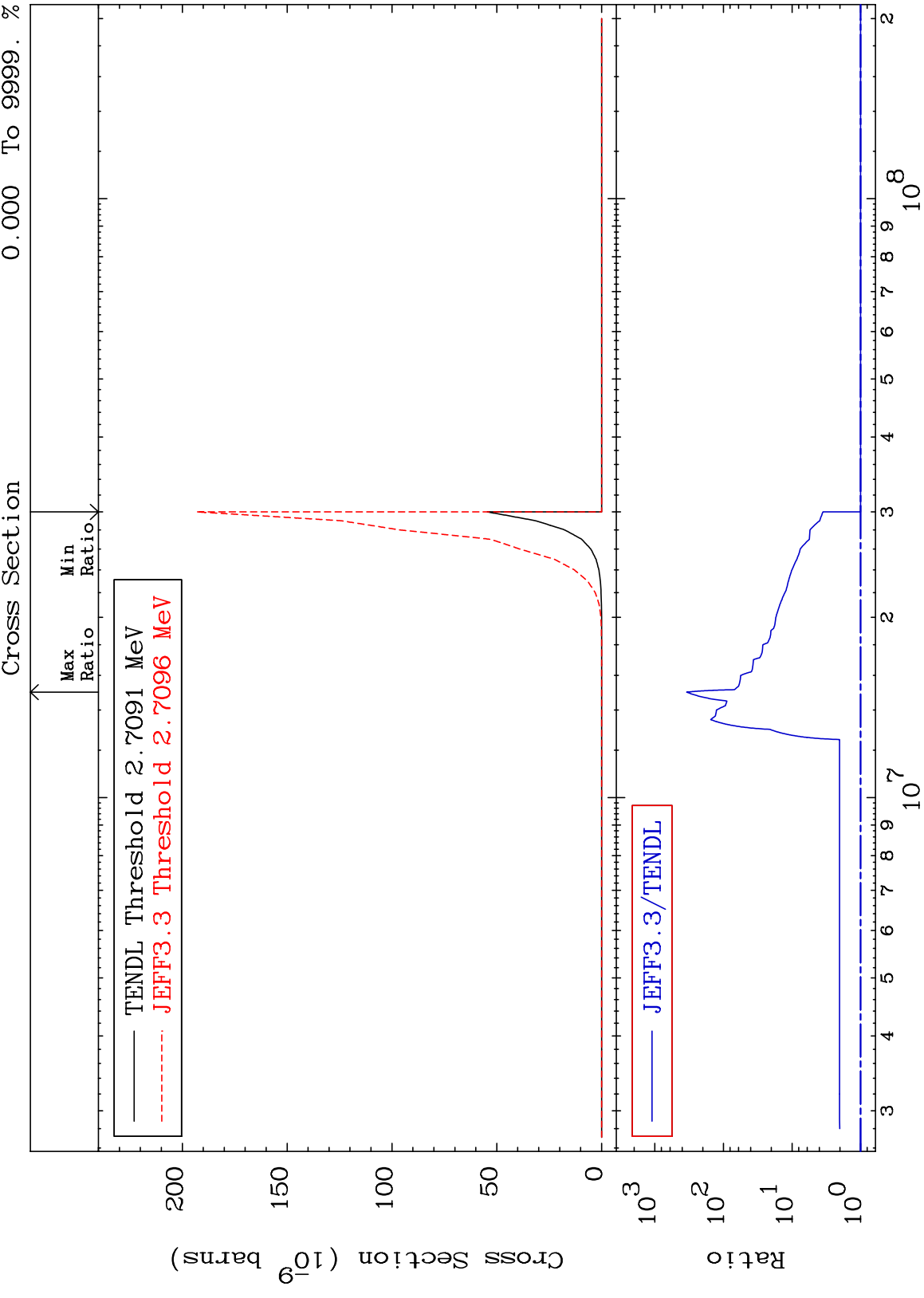


60 Incident Energy (eV) 70-Yb-168

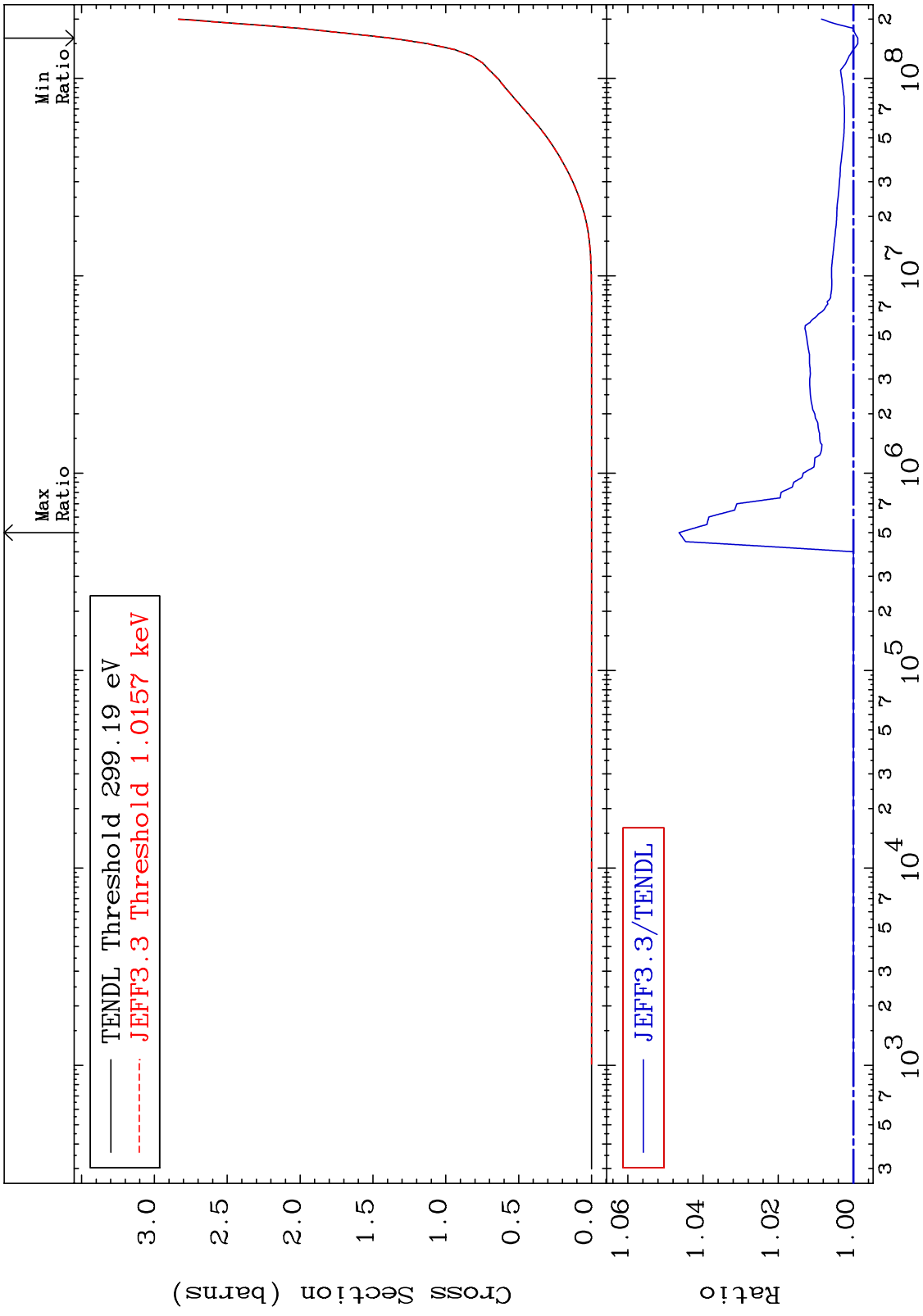
MAT 7025 (n,p) t 70-Yb-168  
 Cross Section -14.01 To 0.000 %



MAT 7025  $(n, d) \alpha$  70-Yb-168 To 9999. %

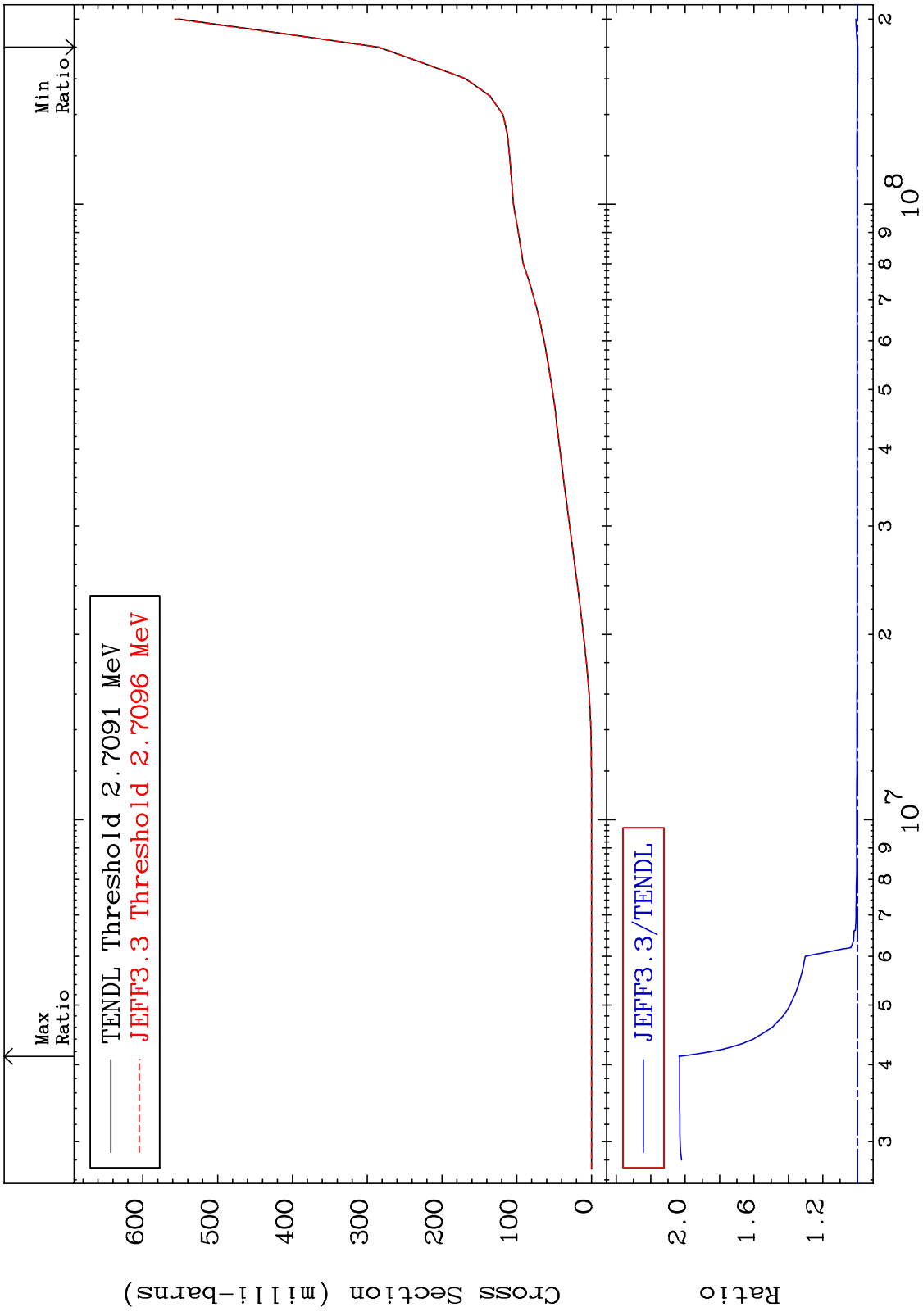


MAT 7025 Hydrogen Production Cross Section 70-Yb-168  
 -0.119 To 4.640 %





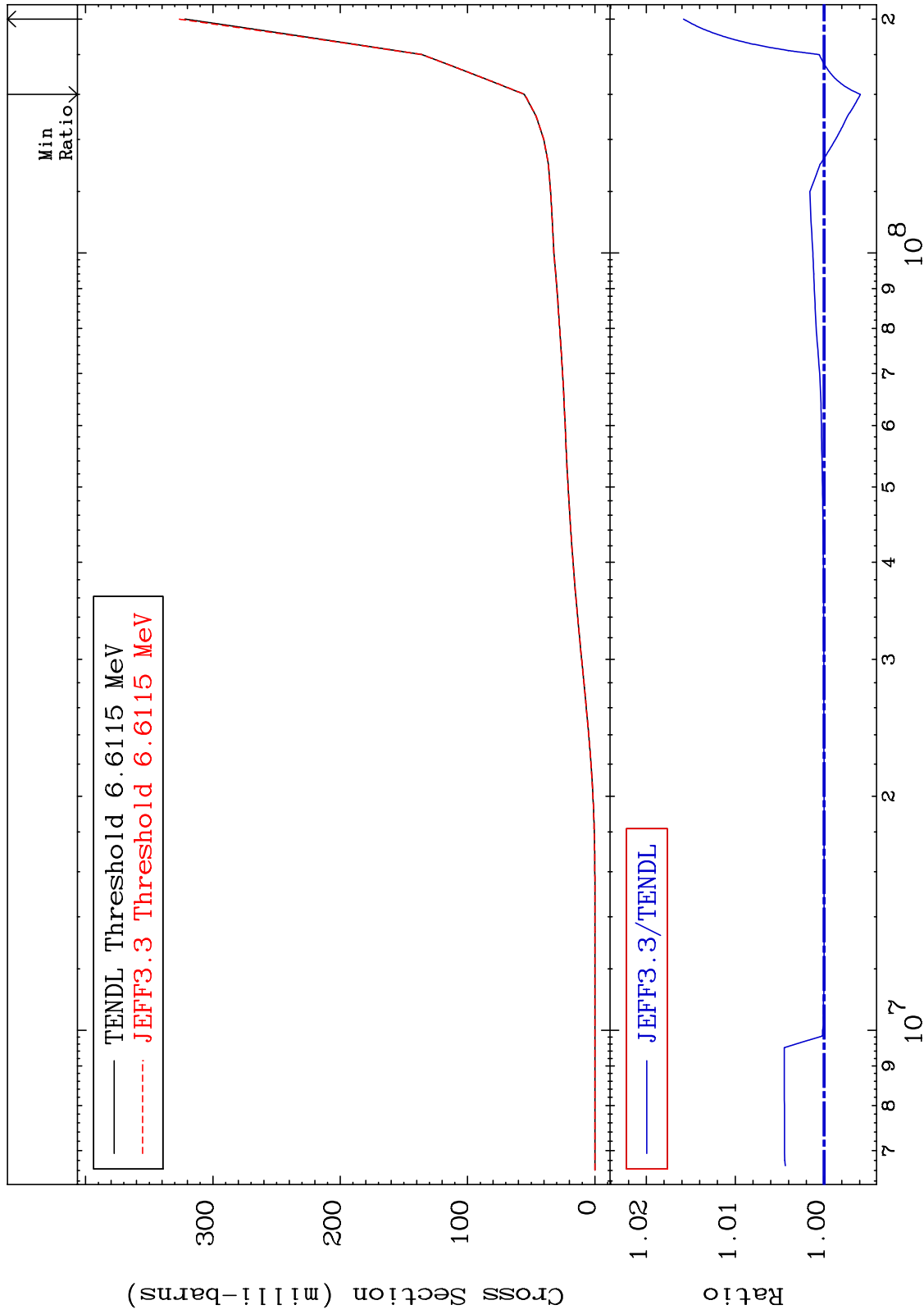
MAT 7025 Deuterium Production Cross Section 70-Yb-168  
 -0.320 To 103.6 %



MAT 7025

Tritium Production  
Cross Section

70-Yb-168  
-0.407 To 1.582 %

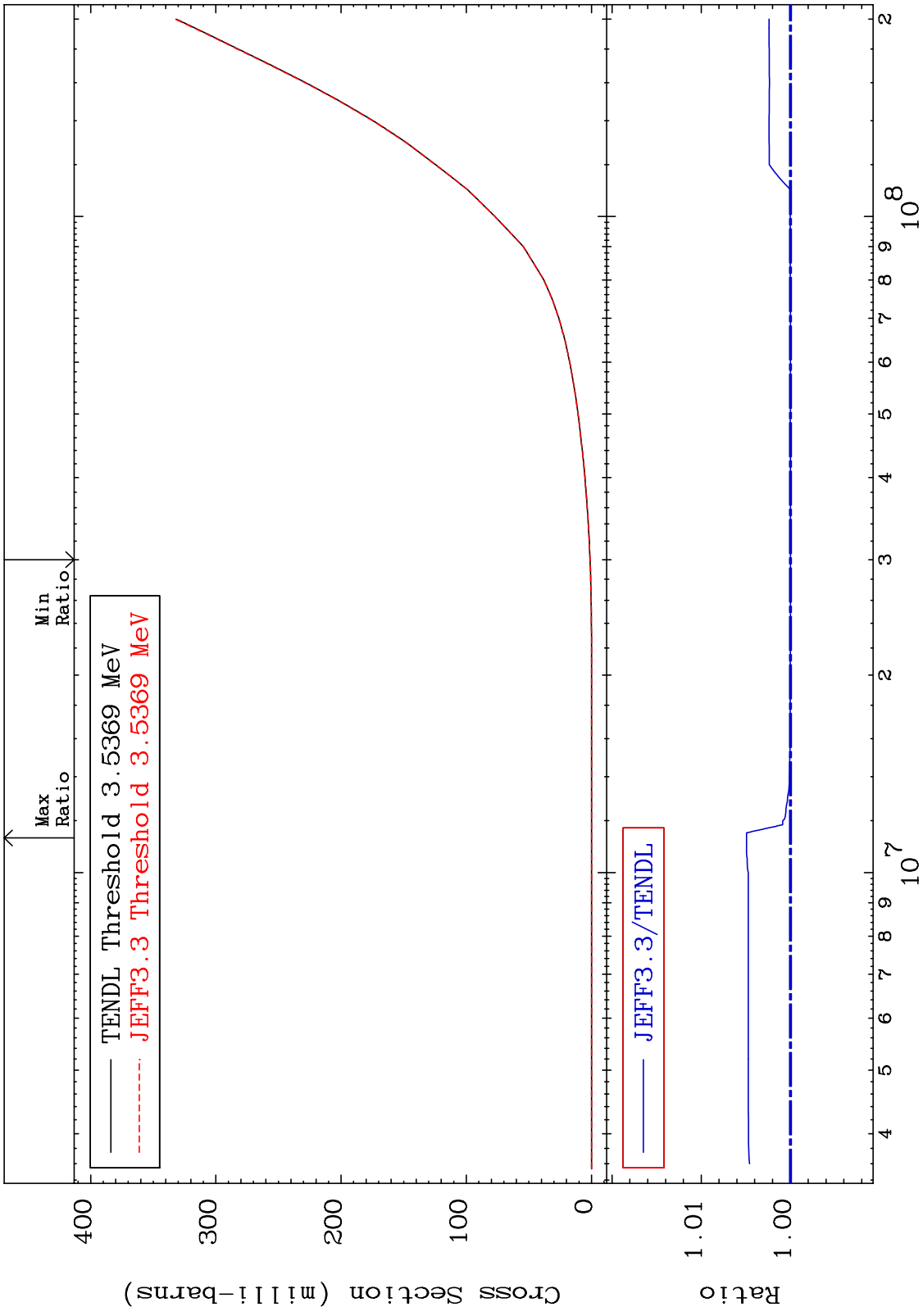


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Incident Energy (eV)

70-Yb-168

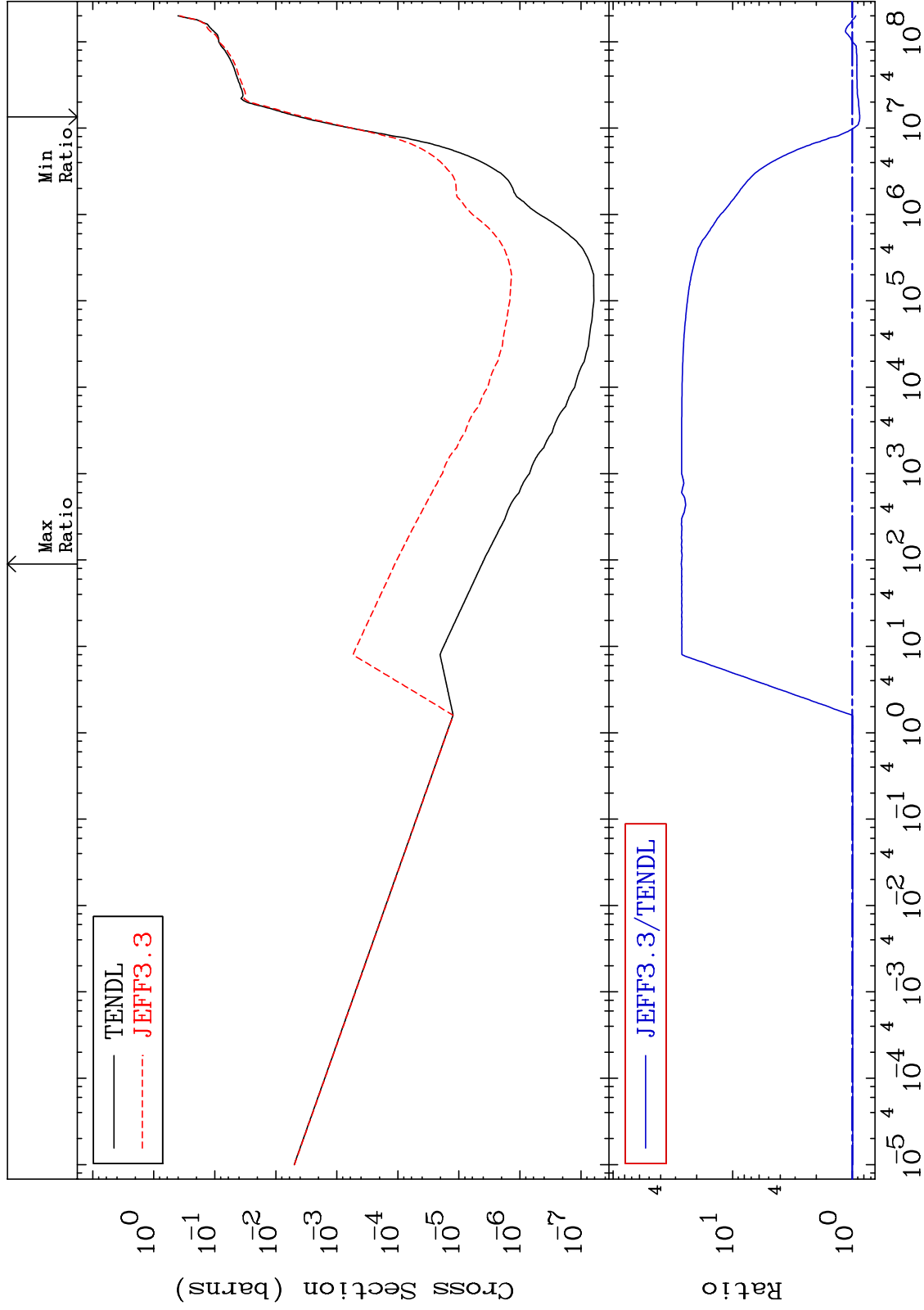
MAT 7025 He-3 Production Cross Section 70-Yb-168 To 0.493 %



MAT 7025

He-4 Production  
Cross Section

70-Yb-168  
-13.47 To 2589. %

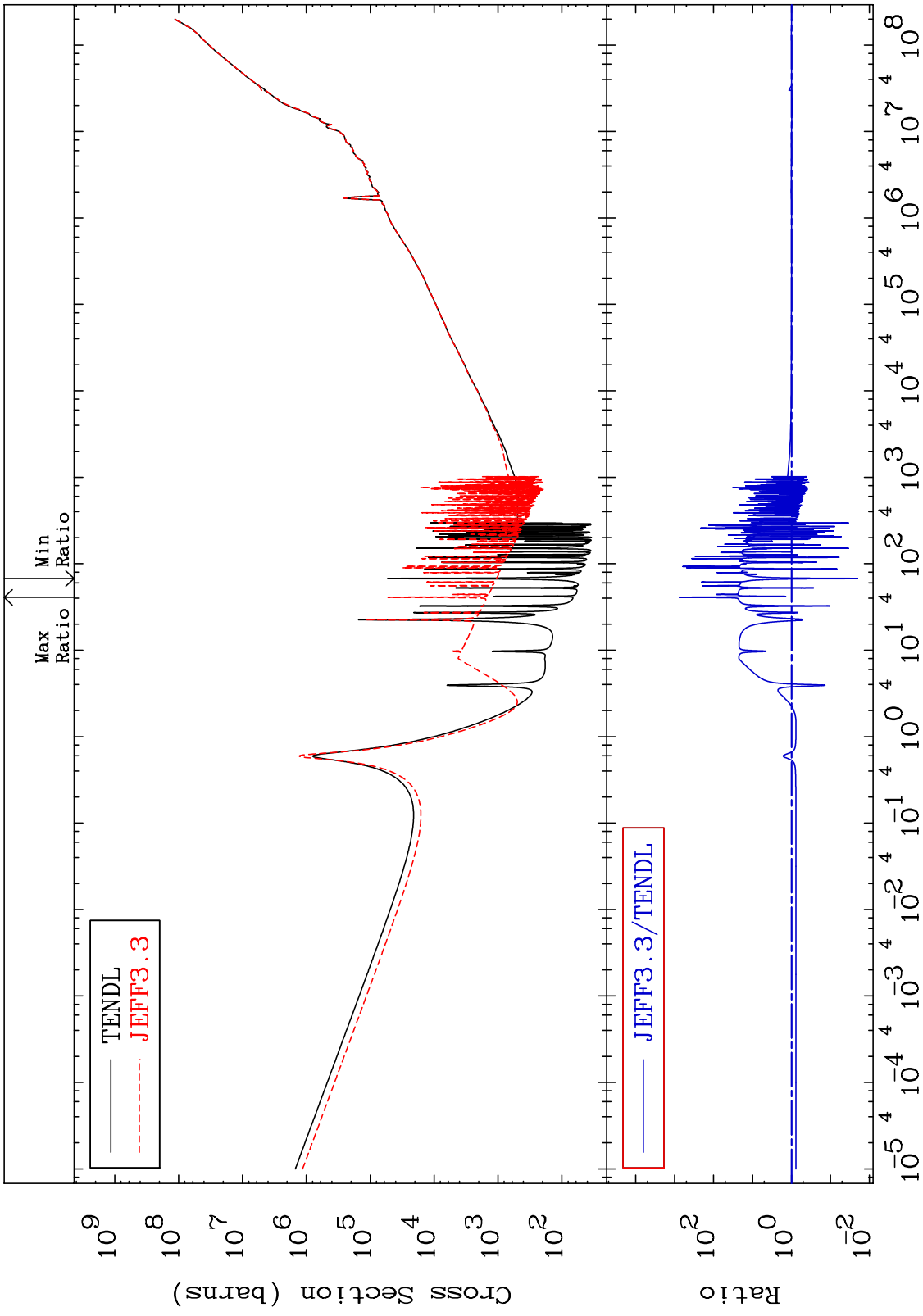


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Incident Energy (eV)

70-Yb-168

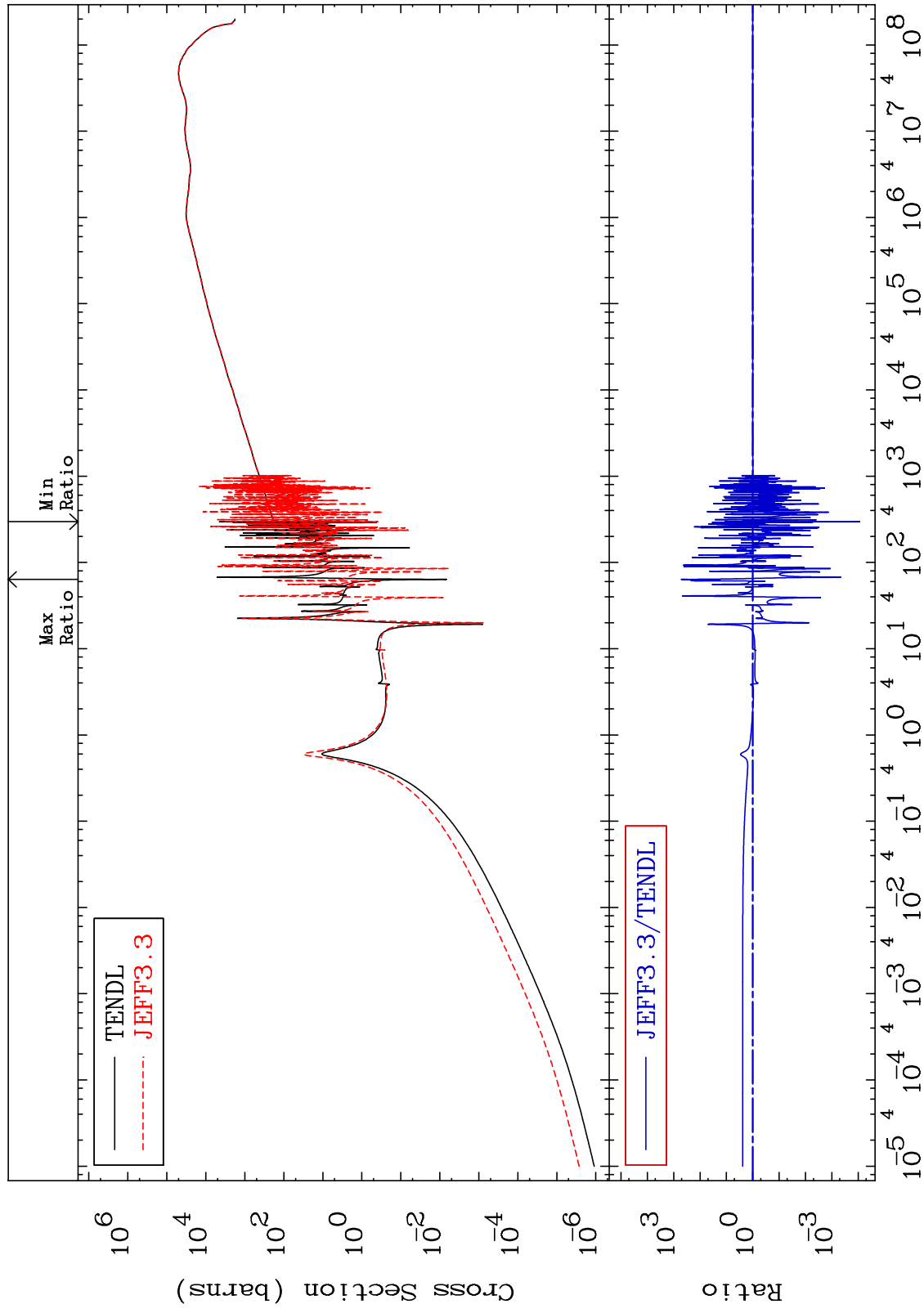
MAT 7025 Kerma total (eV-barns) 70-Yb-168  
 Cross Section -98.03 To 9999. %



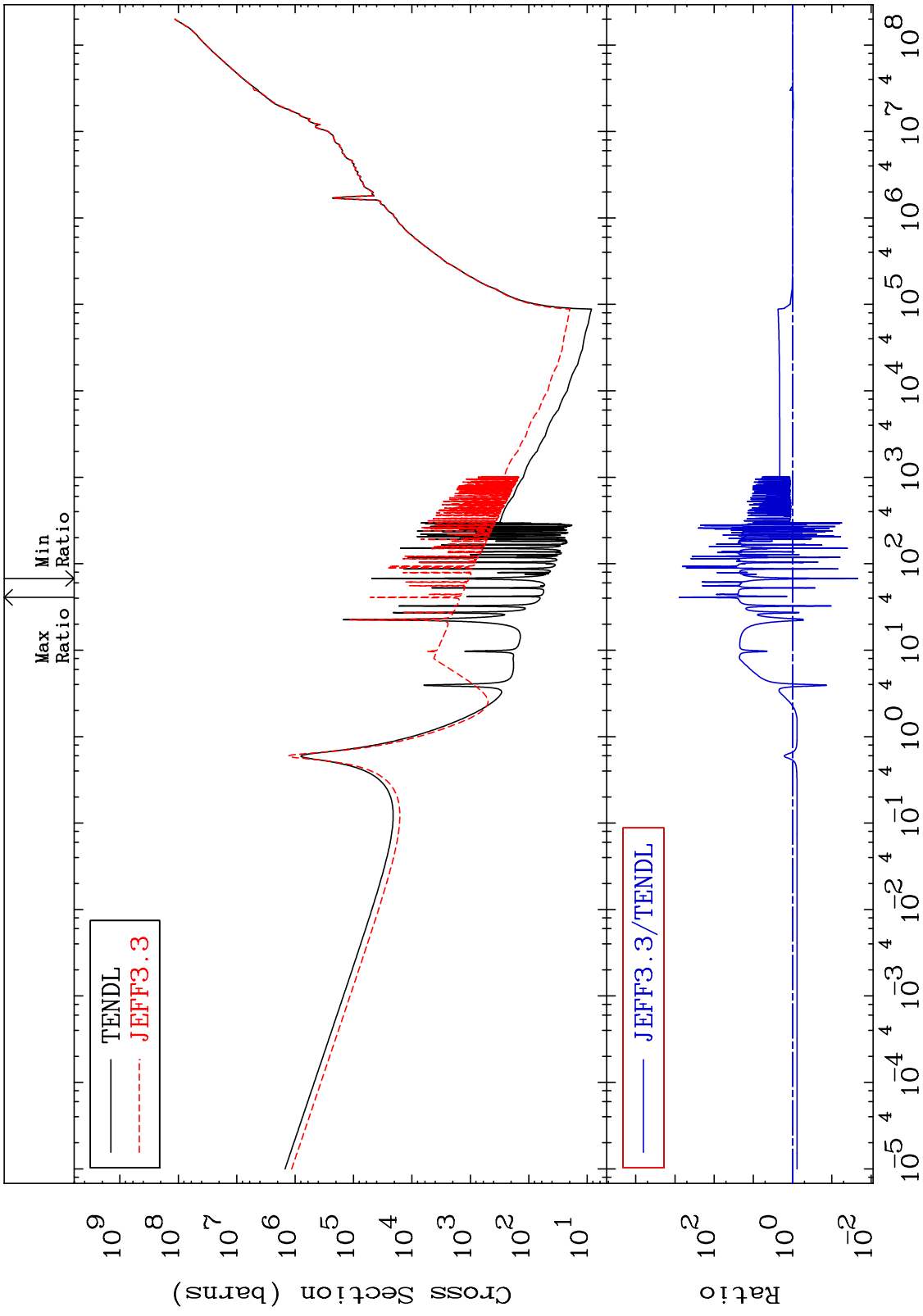
MAT 7025

Kerma elastic  
Cross Section

70-Yb-168  
-99.99 To 9999. %

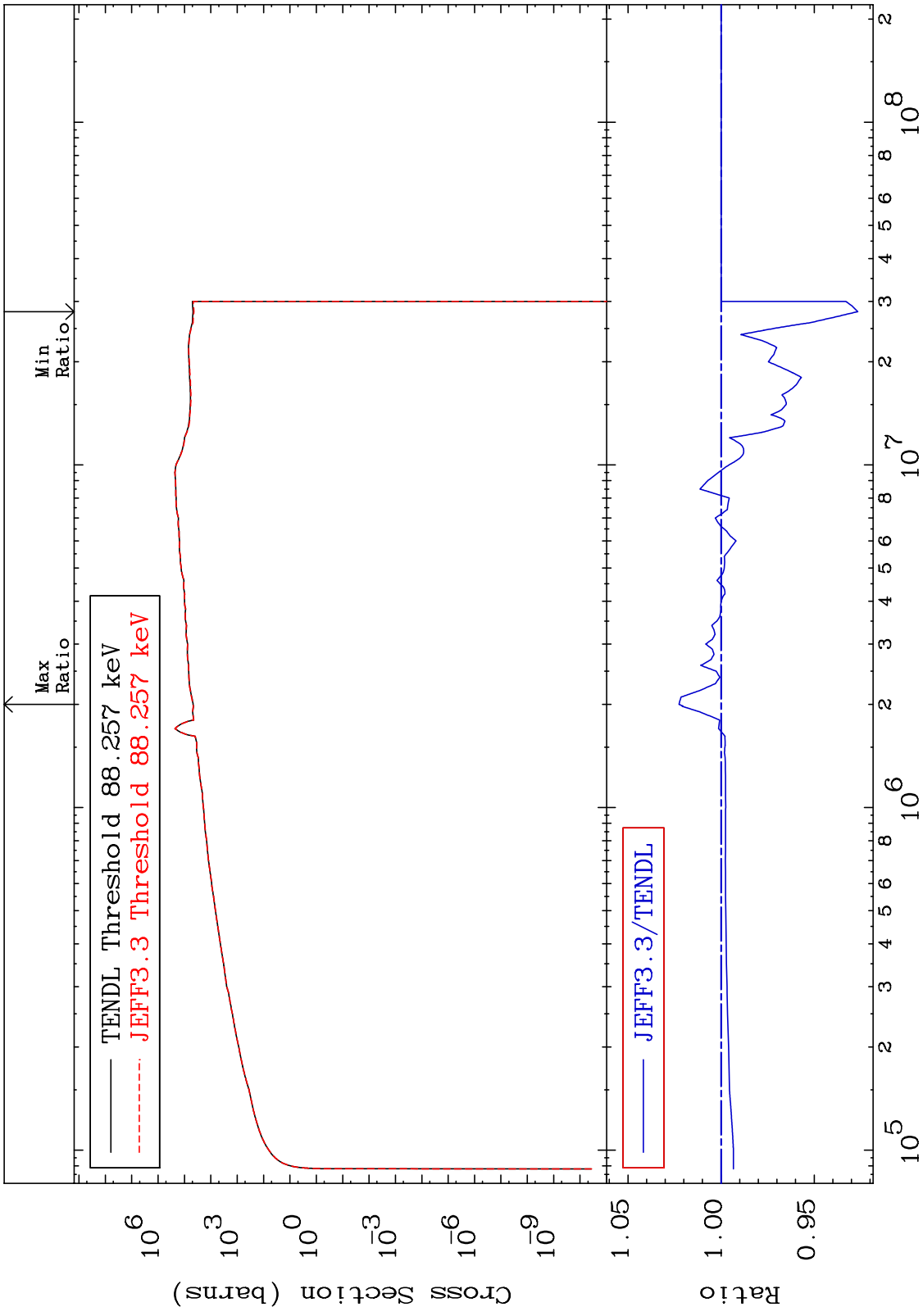


MAT 7025 Kerma non-elastic (all but mt2) 70-Yb-168  
Cross Section -97.83 To 9999. %



70 Incident Energy (eV) 70-Yb-168

MAT 7025 Kerma inelastic (mt51-91) 70-Yb-168  
Cross Section -7.343 To 2.257 %

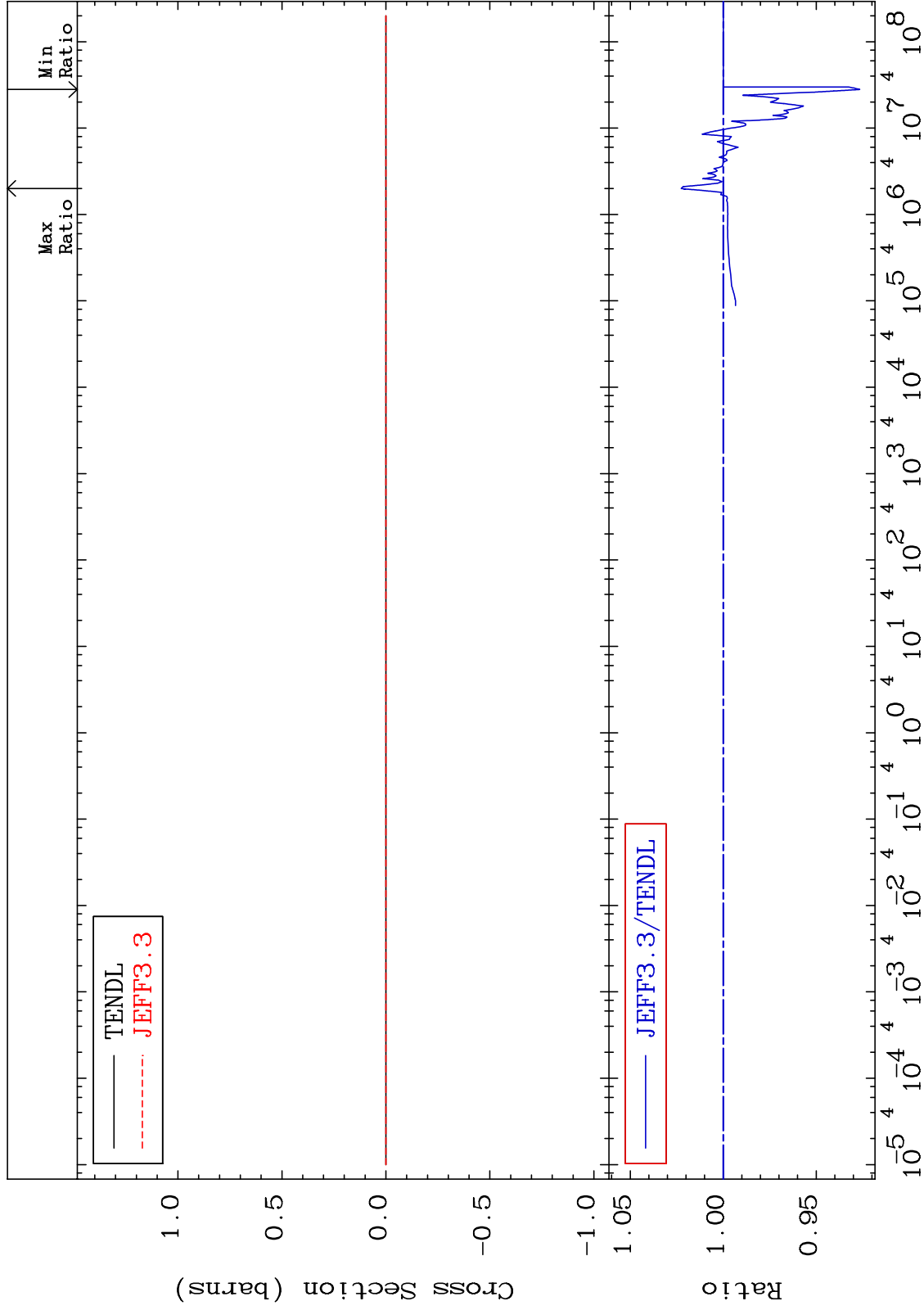




MAT 7025

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

70-Yb-168  
-7.343 To 2.257 %



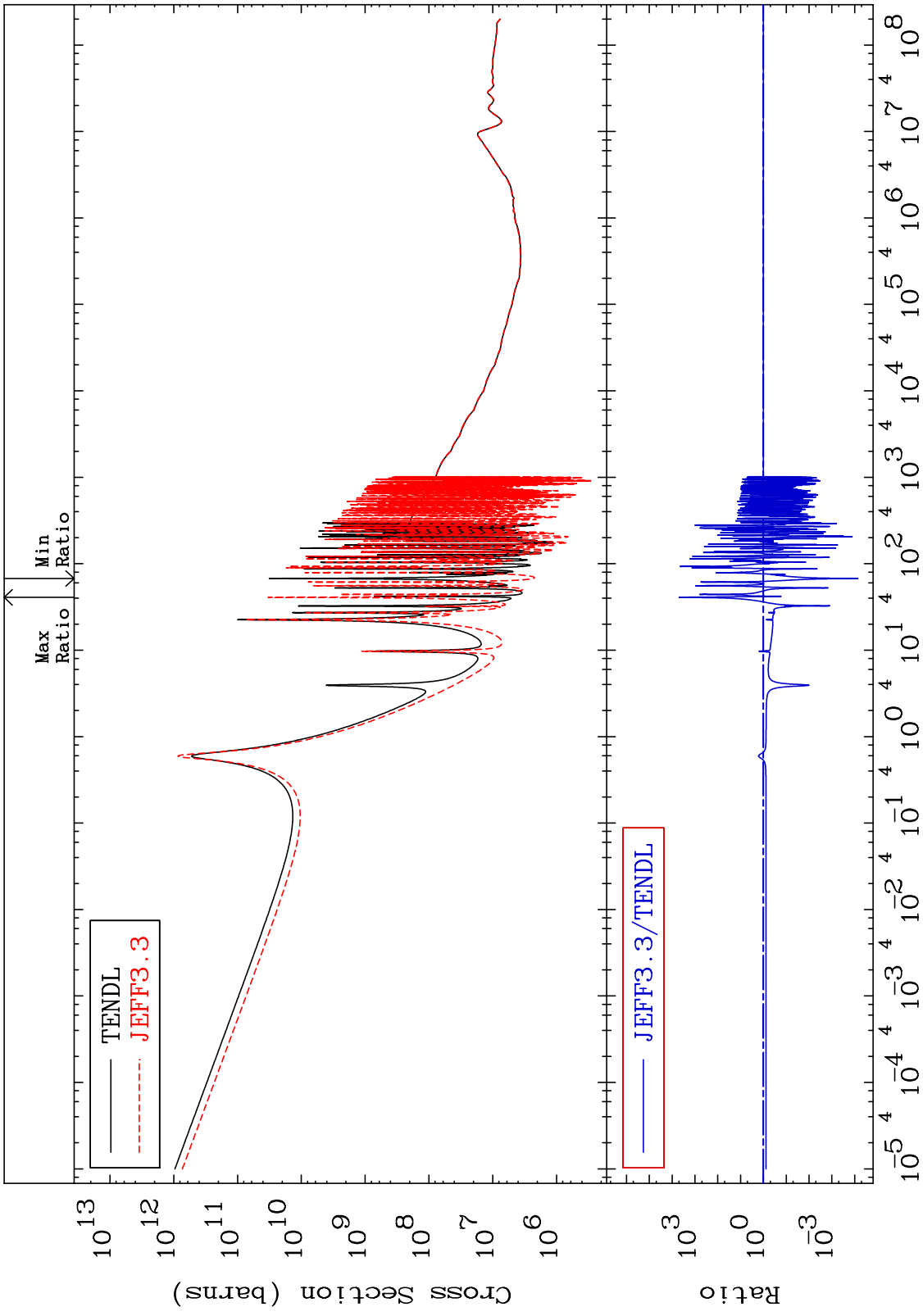
72

Incident Energy (eV)

70-Yb-168

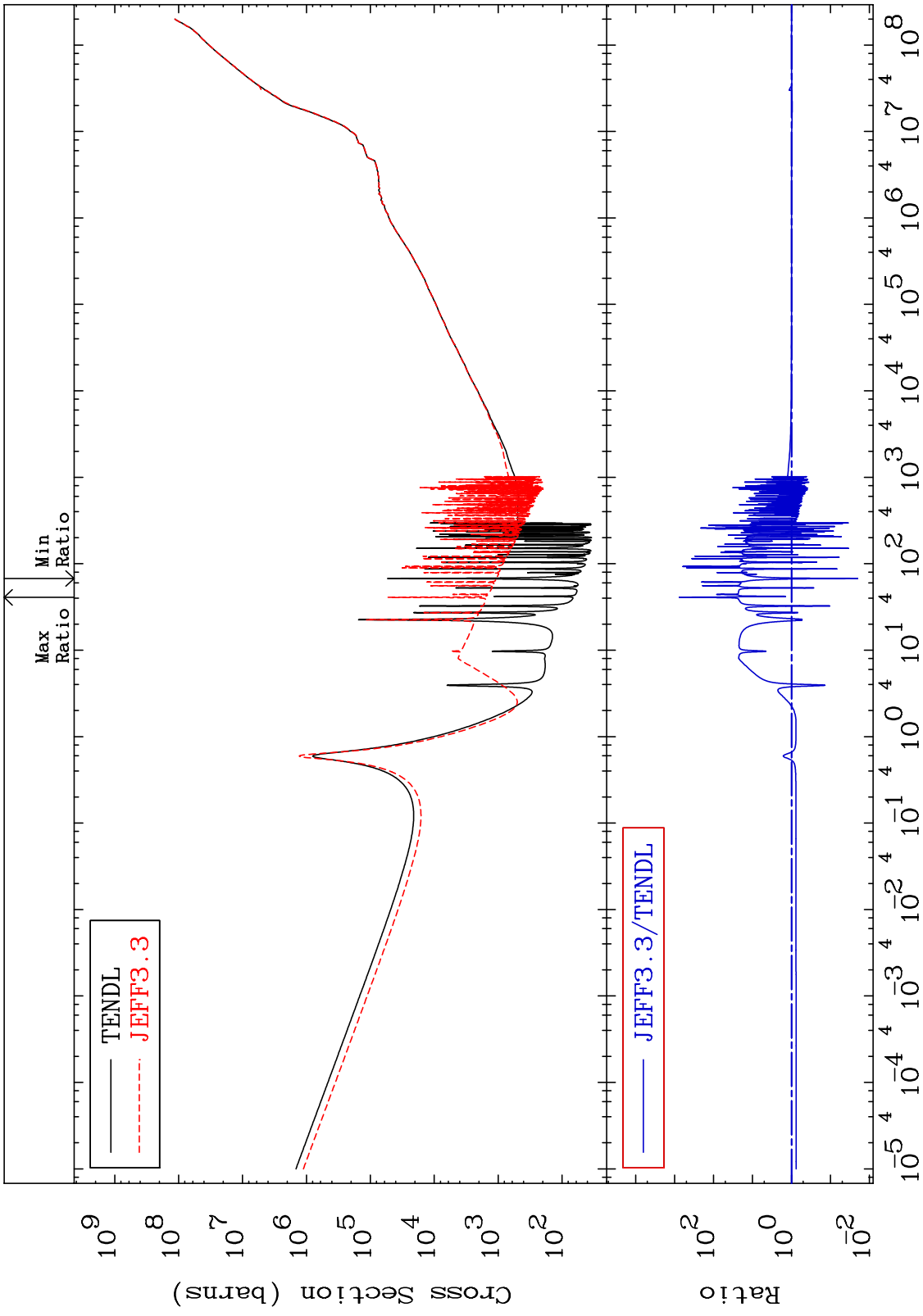


MAT 7025 70-Yb-168  
-99.99 To 9999. %  
 Total photon (eV-barns)  
 Cross Section



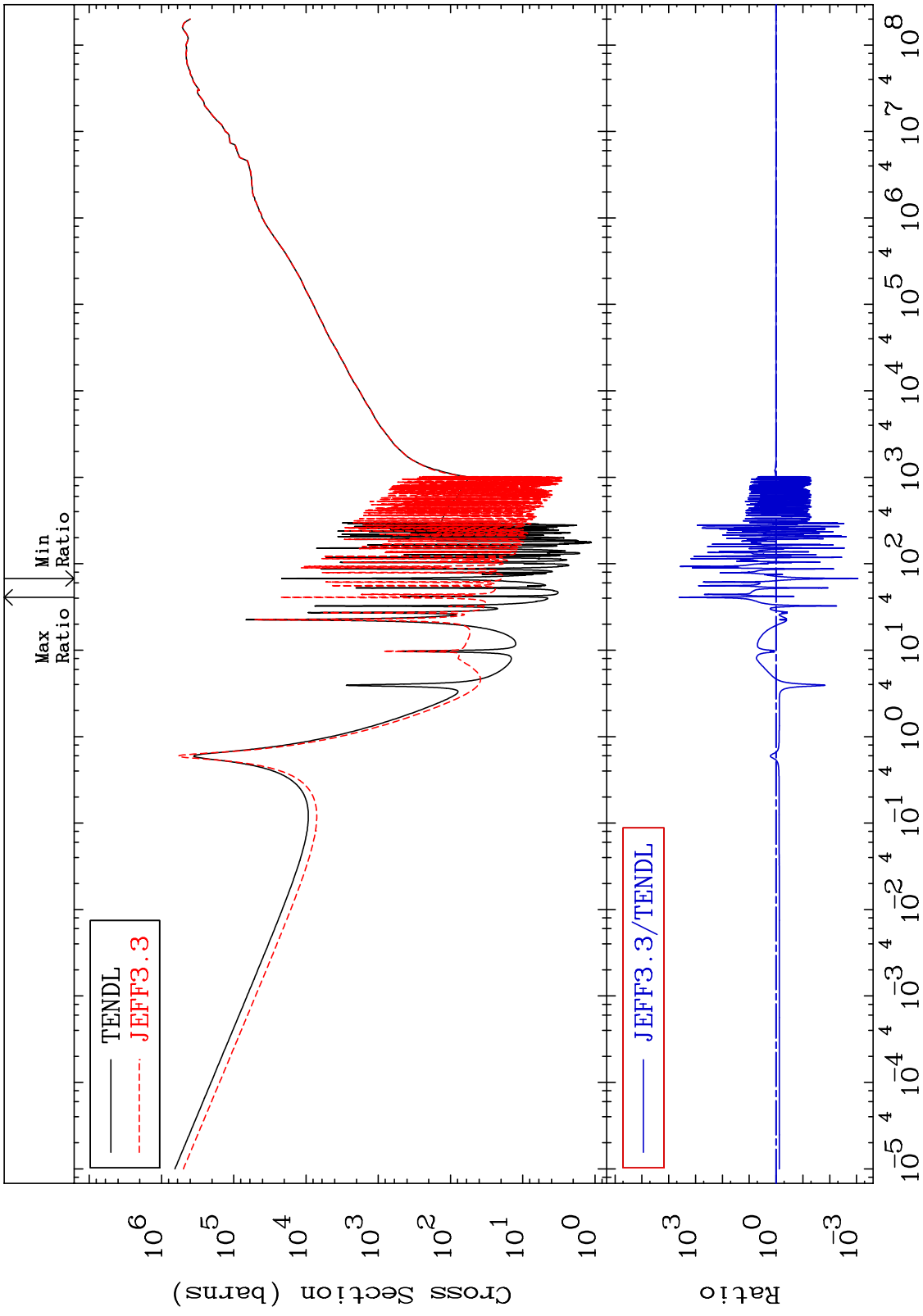
74 70-Yb-168

MAT 7025 Total kinematic kerma (high limit) 70-Yb-168  
Cross Section -98.01 To 9999. %



75 Incident Energy (eV) 70-Yb-168

MAT 7025      Dpa total (eV-barns)      70-Yb-168  
 Cross Section      -99.91 To 9999. %

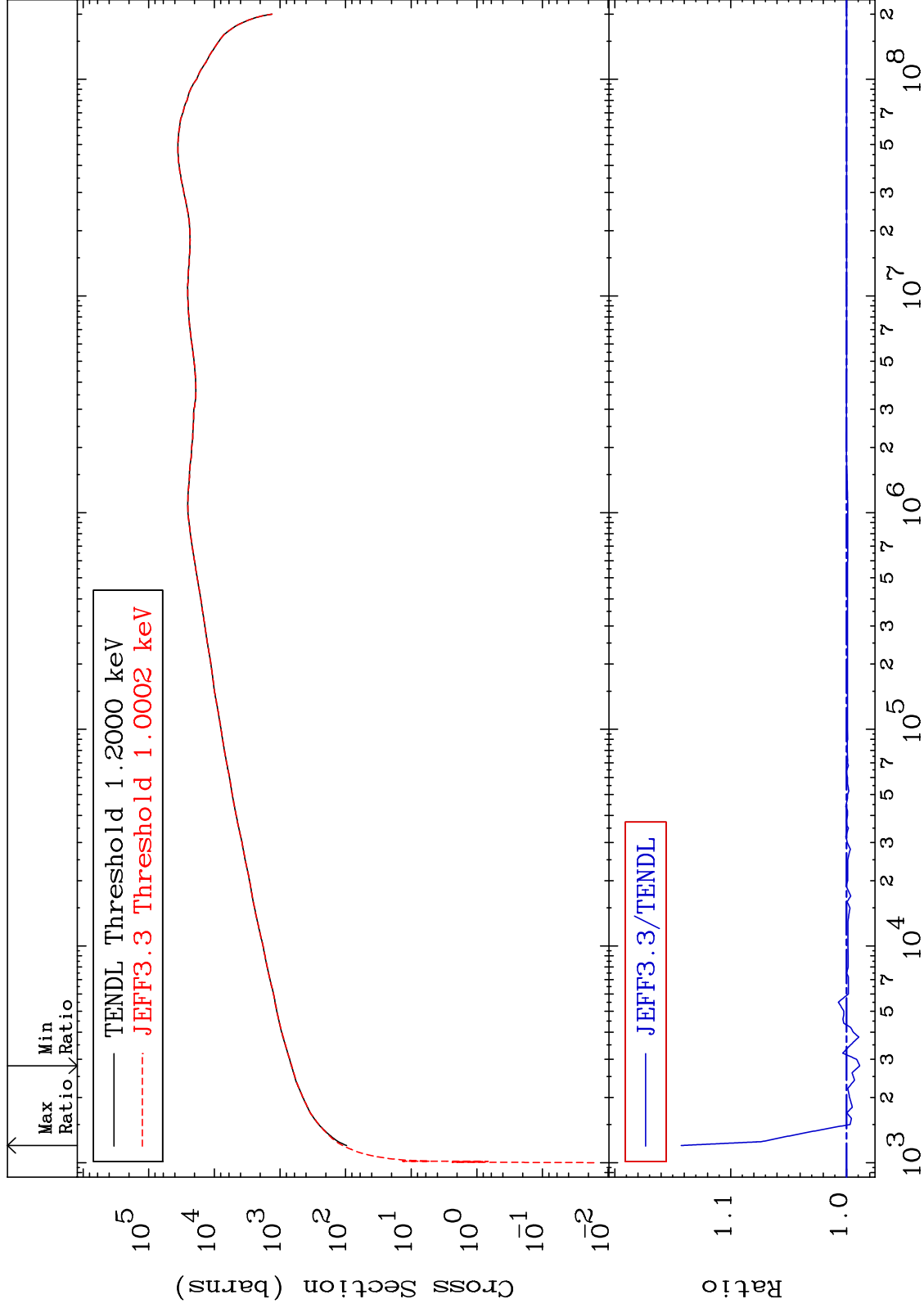


76      70-Yb-168

MAT 7025

Dpa elastic (mt2)  
Cross Section

70-Yb-168  
-1.143 To 14.26 %



77

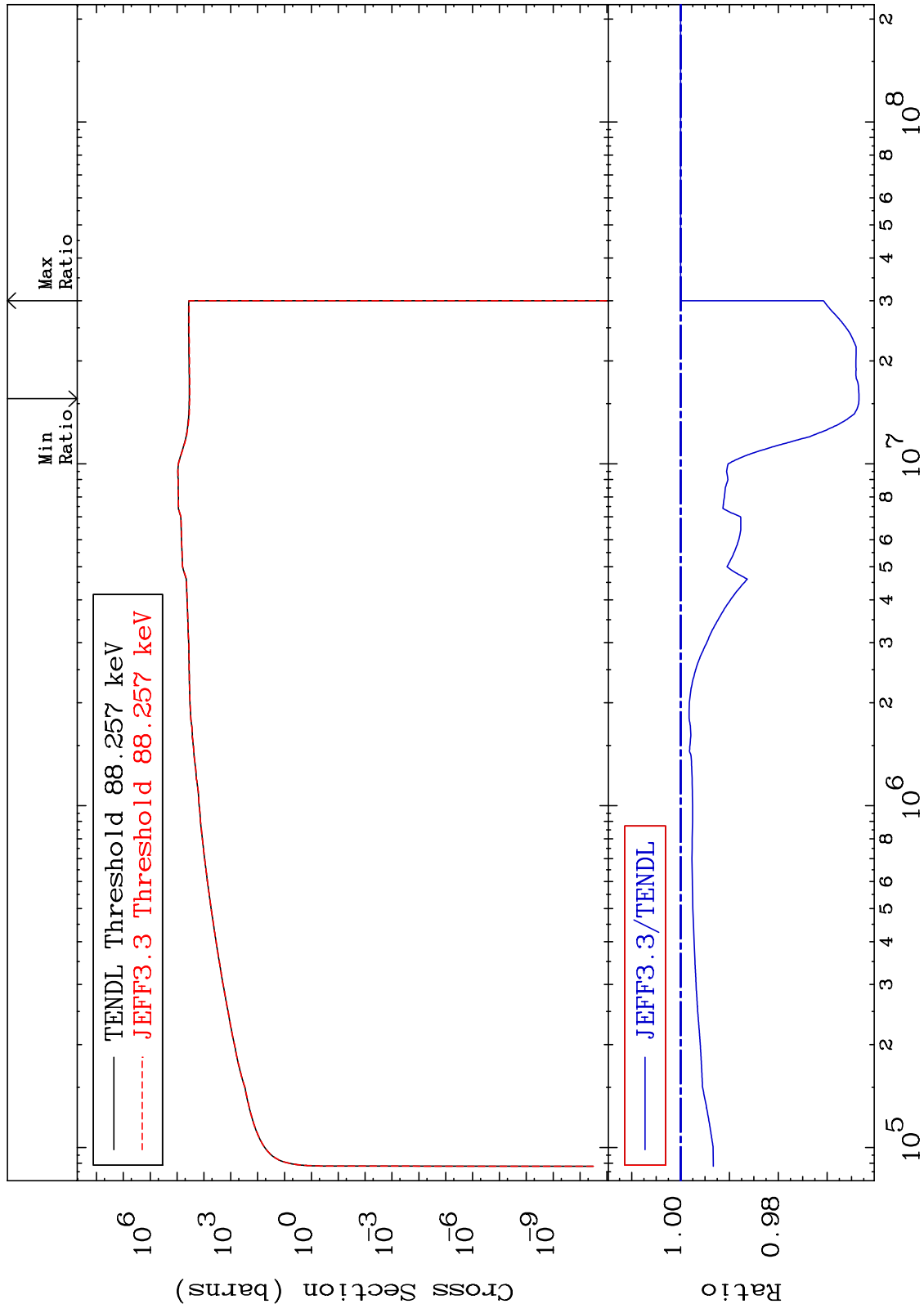
Incident Energy (eV)

70-Yb-168

MAT 7025

Dpa inelastic (mt51-91)  
Cross Section

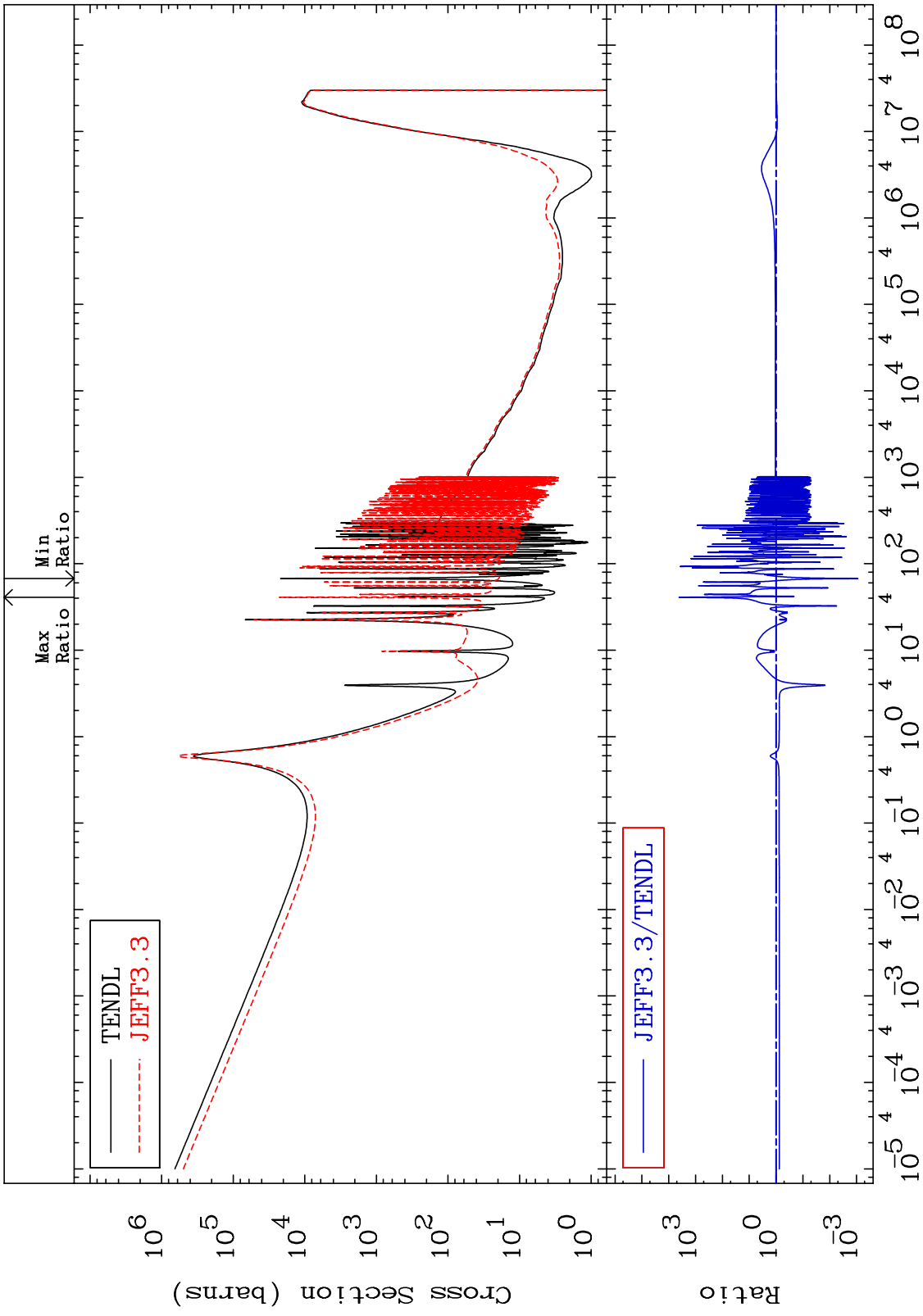
70-Yb-168  
-3.651 To 0.000 %



78

Incident Energy (eV)

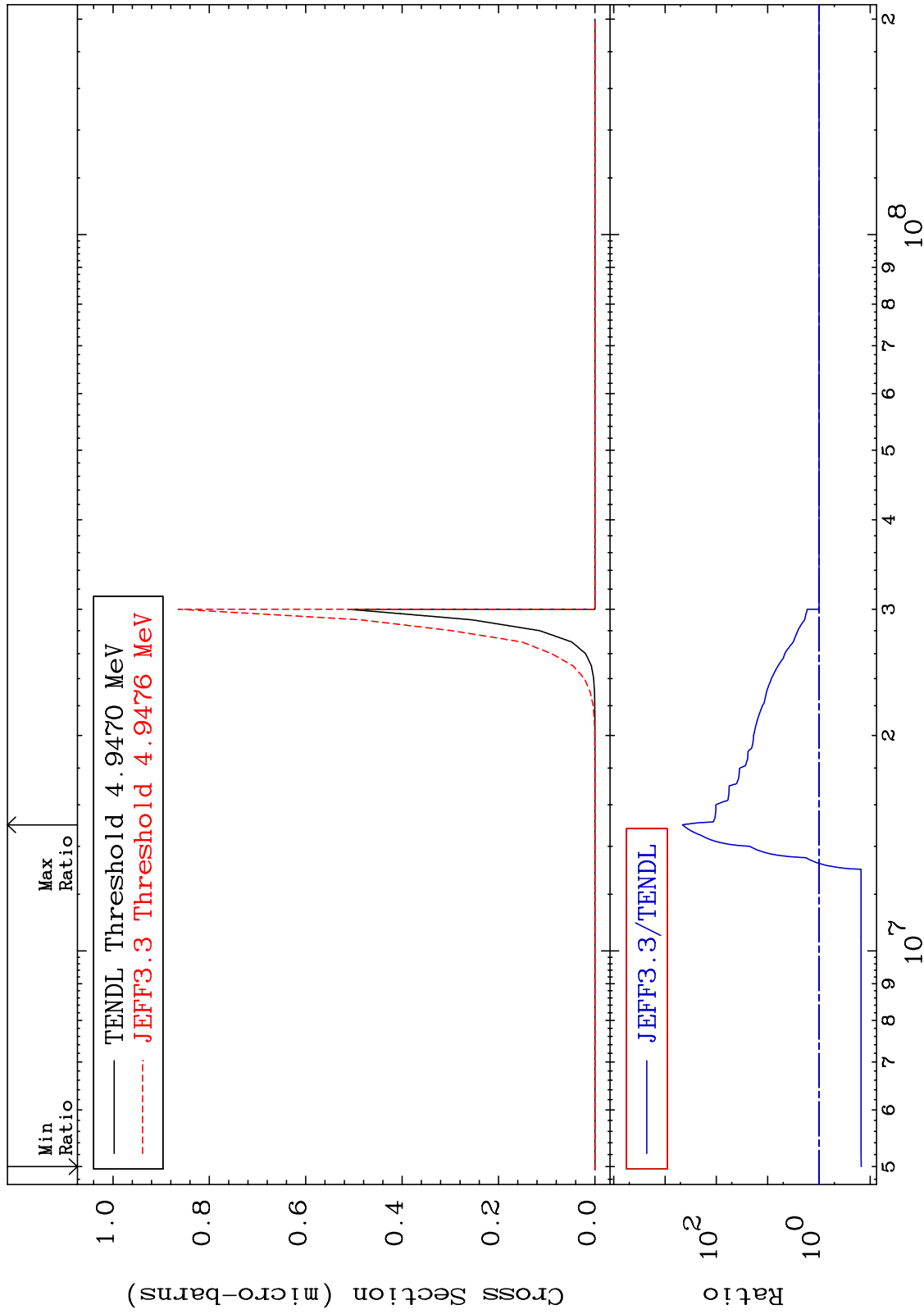
70-Yb-168



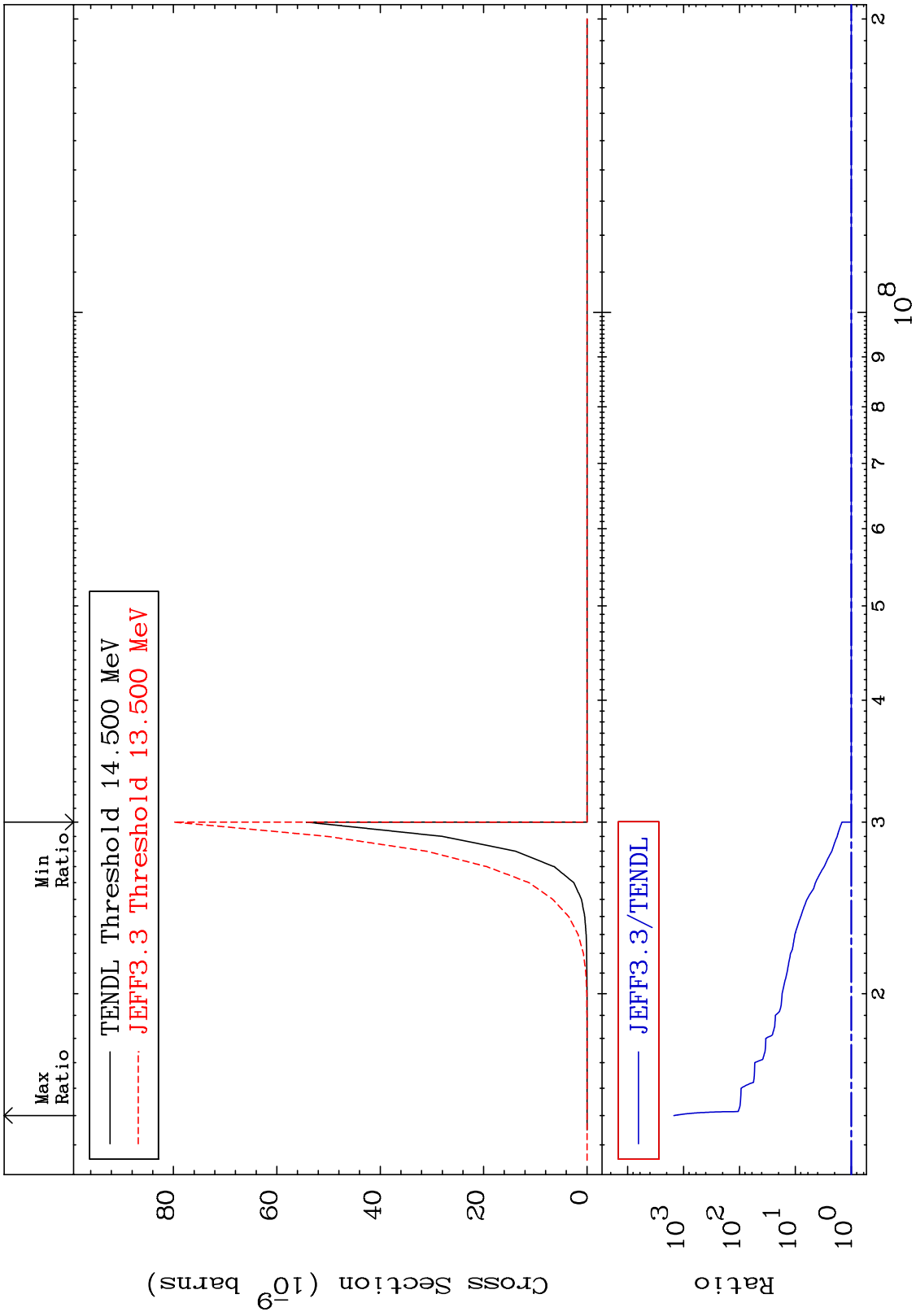


MAT 7025

(n,n') p  $\alpha$ :67-Ho-163g 70-Yb-168  
Radionuclide Production Cross Section -85.06 To 9999. %



MAT 7025 (n,n') p α:67-Ho-163m3 70-Yb-168  
 Radionuclide Production Cross Section 0.000 To 9999. %

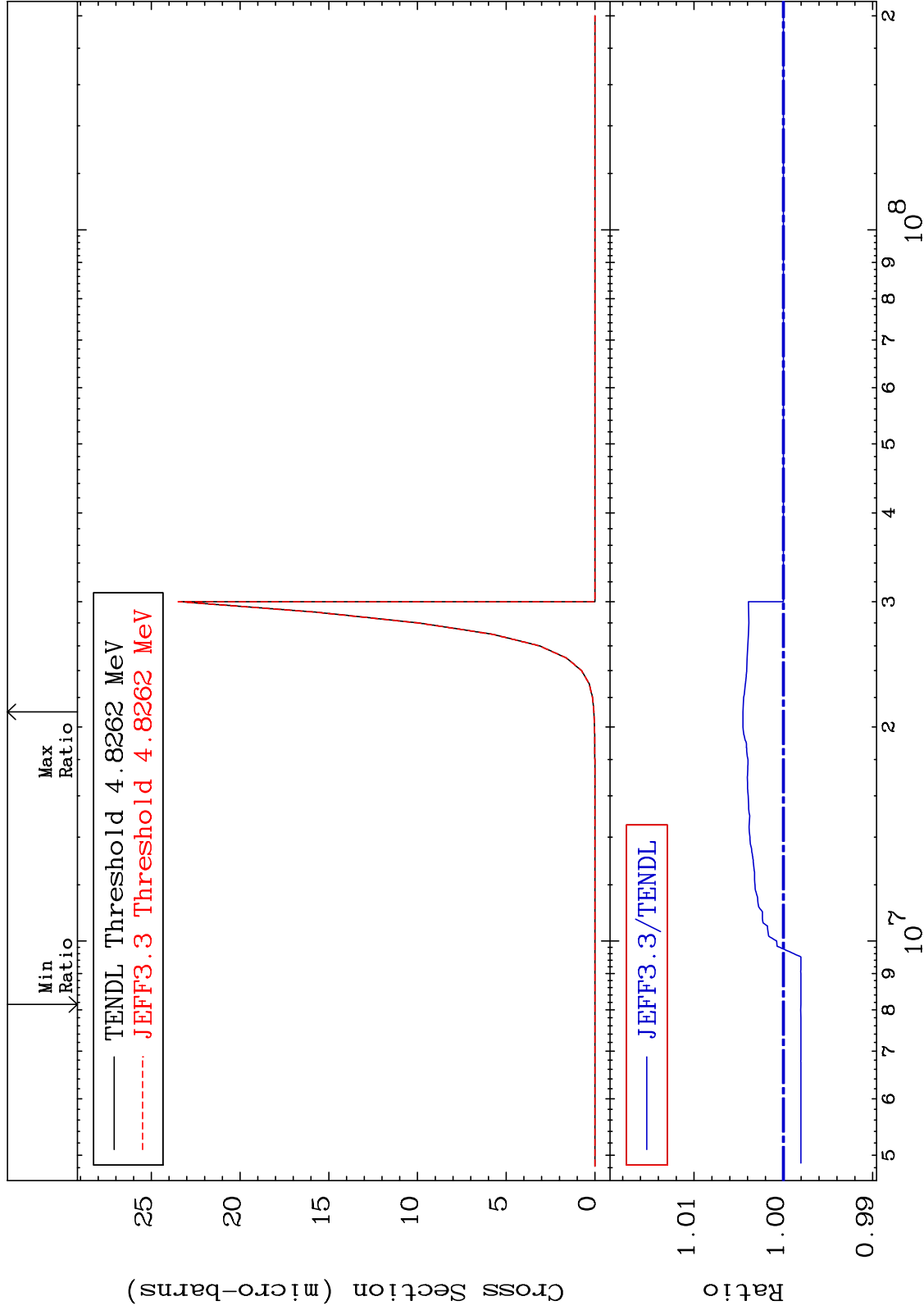


MAT 7025

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

70-Yb-168

Radionuclide Production Cross Section -0.196 To 0.453 %



82

Incident Energy (eV)

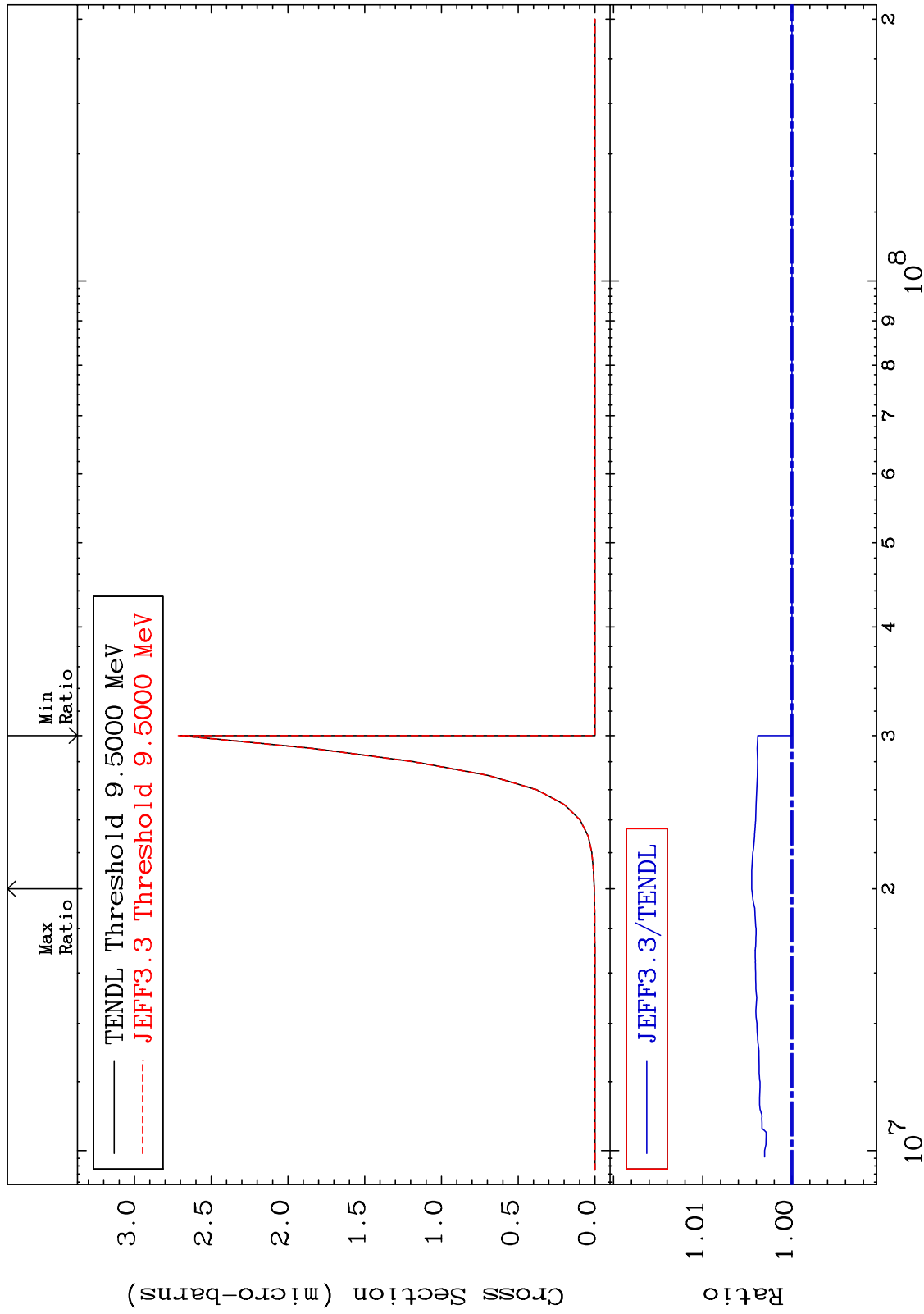
70-Yb-168

MAT 7025

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

70-Yb-168

Radionuclide Production Cross Section 0.000 To 0.451 %

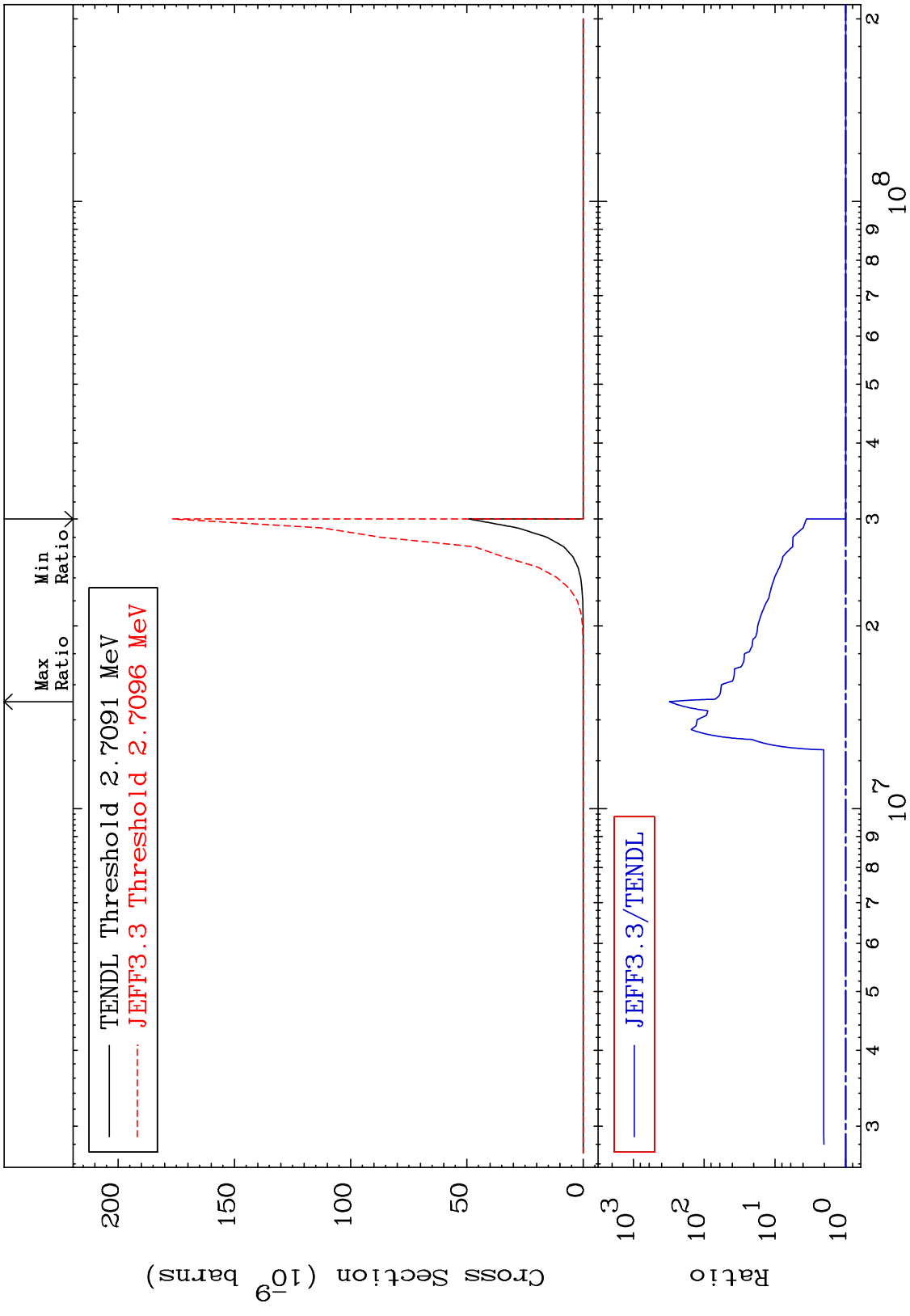


83

Incident Energy (eV)

70-Yb-168

MAT 7025 (n, d)  $\alpha$ : 67-Ho-163g 70-Yb-168  
 Radionuclide Production Cross Section 0.000 To 9999. %



MAT 7025 (n,d)  $\alpha$ :67-Ho-163m3 70-Yb-168  
 Radionuclide Production Cross Section 0.000 To 9999. %

