

Program Complot  
(Version 2018-1)

by

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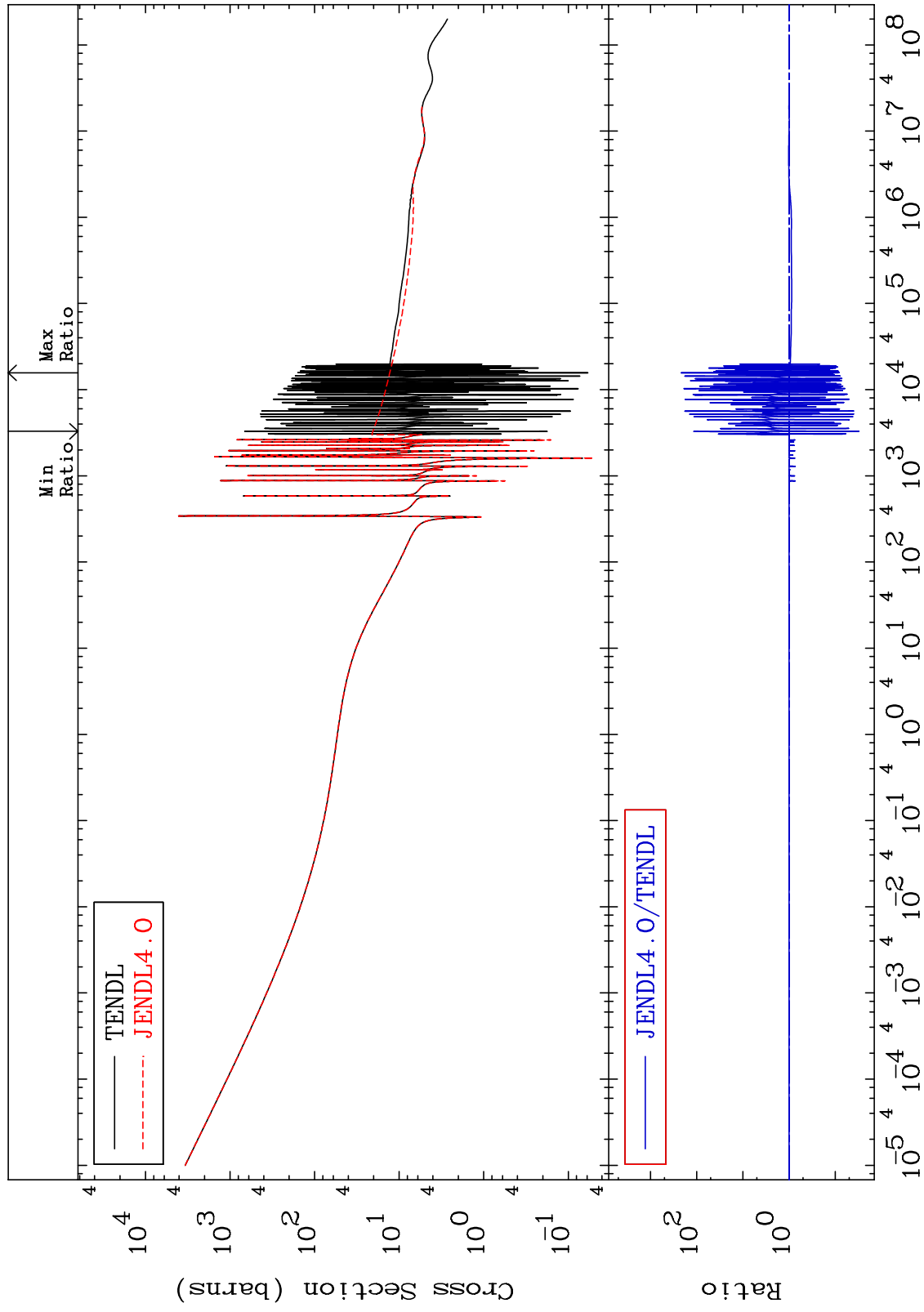
U.S.A.

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

Press Mouse Button to Start

MAT 7043 Total Cross Section 70-Yb-174 -96.95 To 9999. %



70-Yb-174

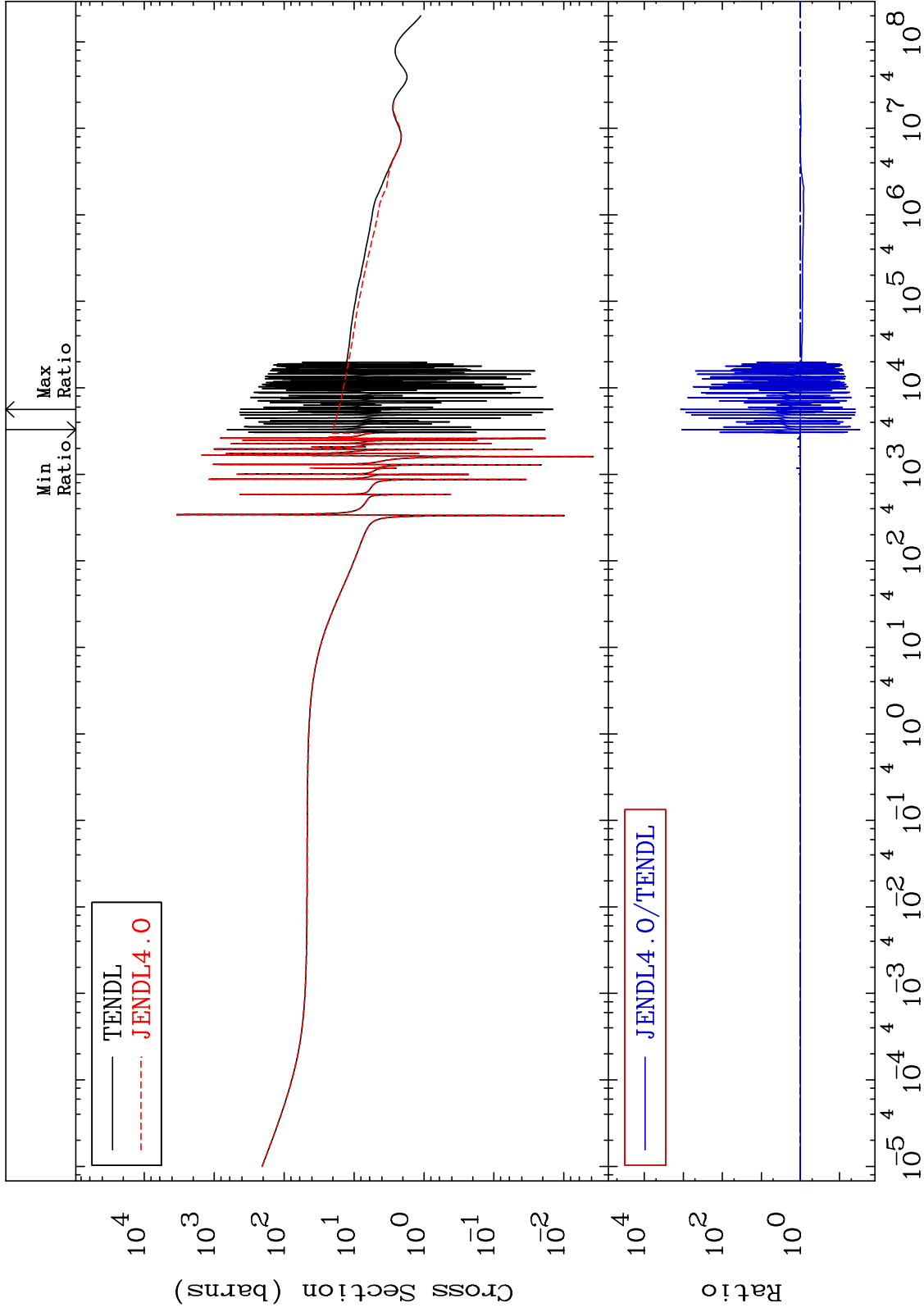
Incident Energy (eV)

1

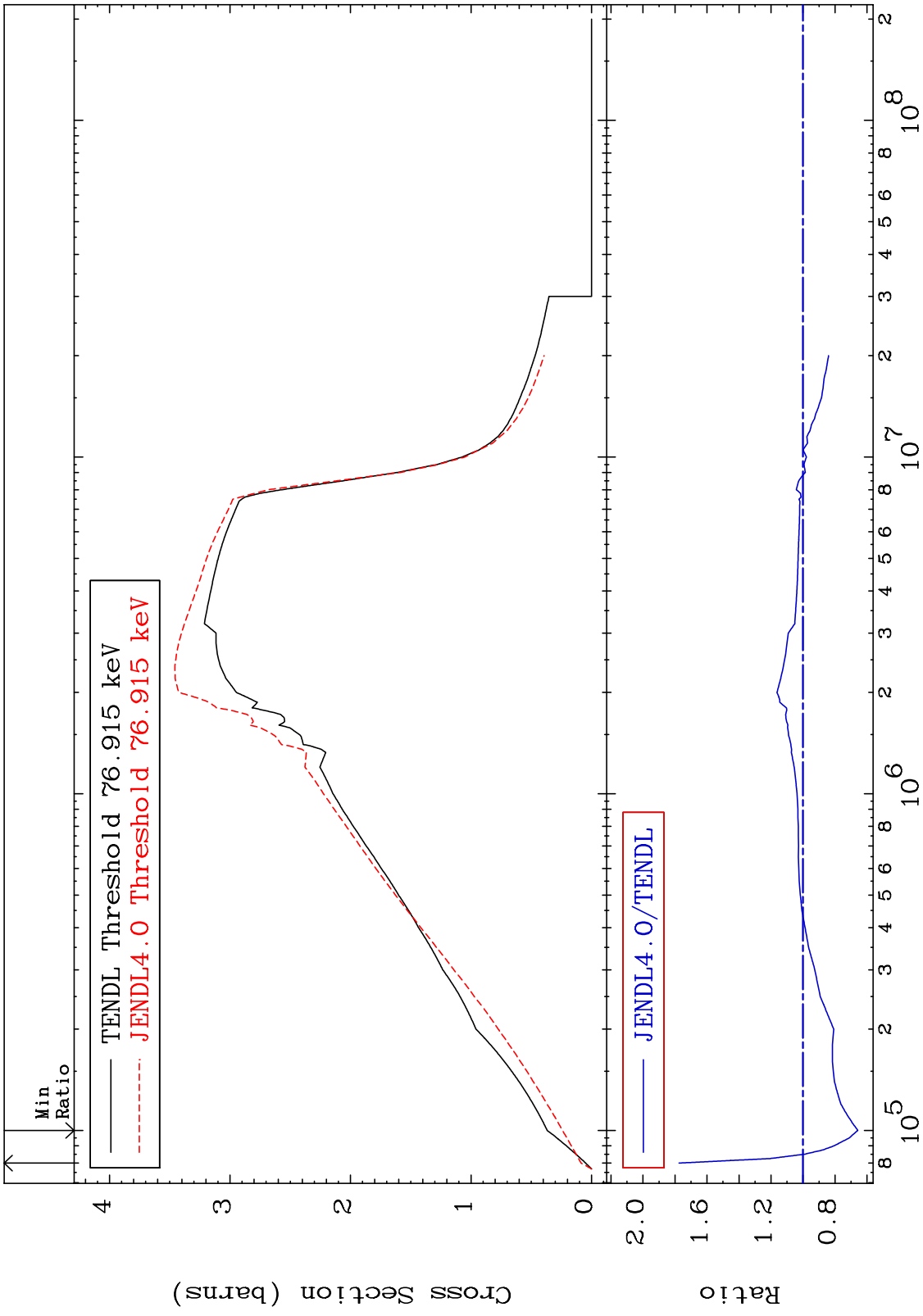
MAT 7043

Elastic  
Cross Section

70-Yb-174  
-96.96 To 9999. %

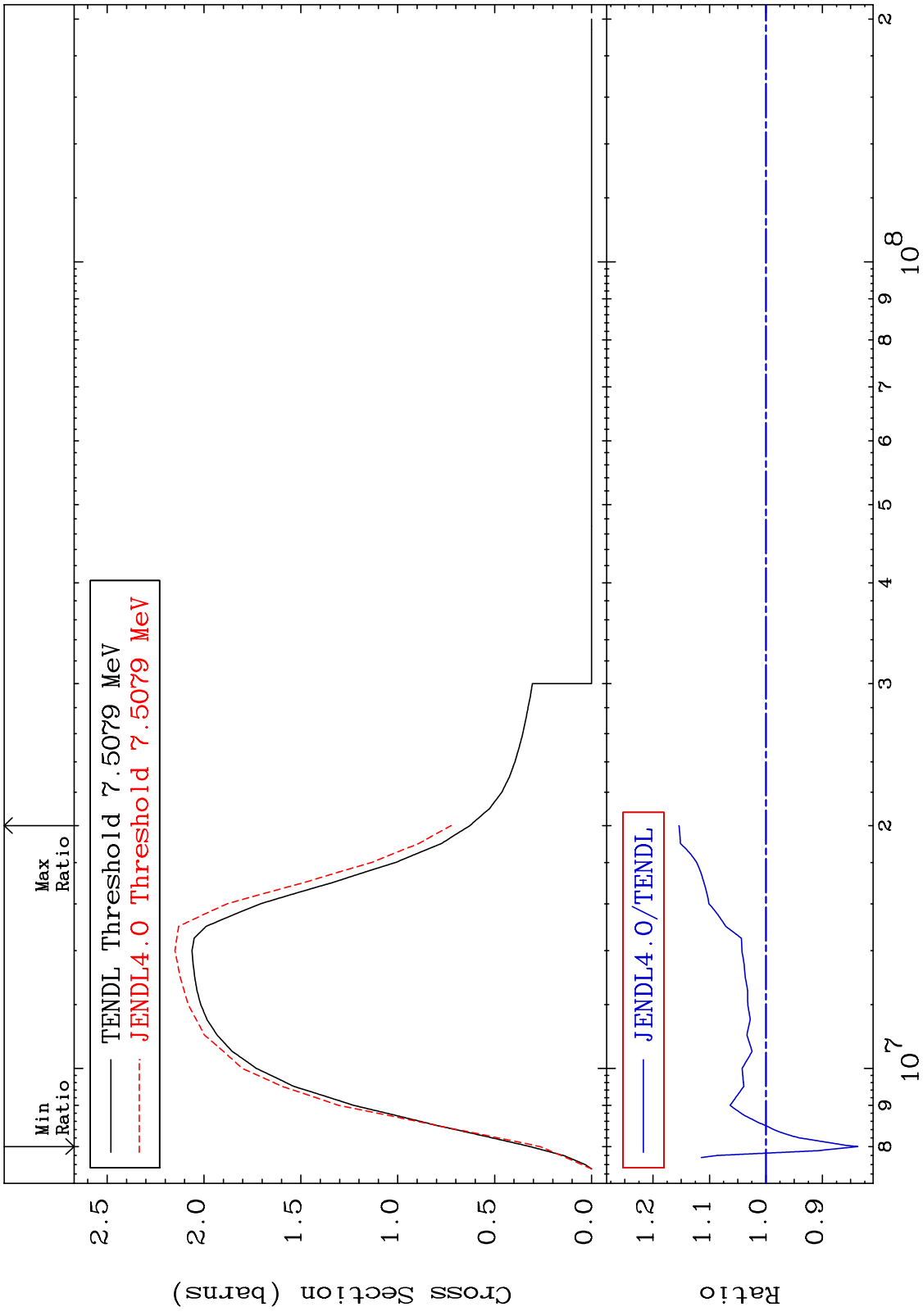


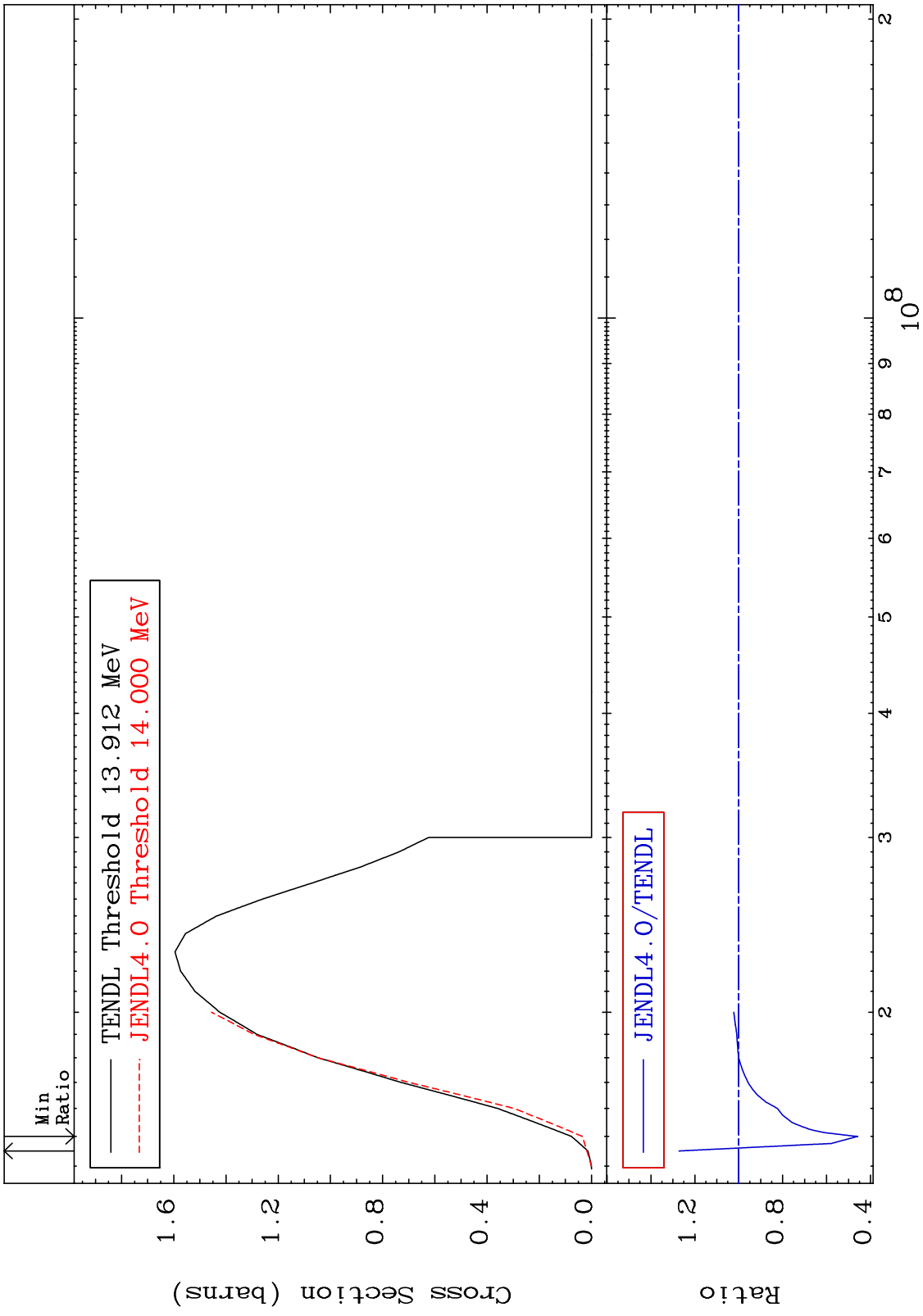
MAT 7043 Inelastic Cross Section 70-Yb-174 -34.26 To 77.47 %



3 Incident Energy (eV) 70-Yb-174

MAT 7043  $(n, 2n)$  Cross Section  $^{70}\text{Yb-174}$  -16.28 To 15.39 %





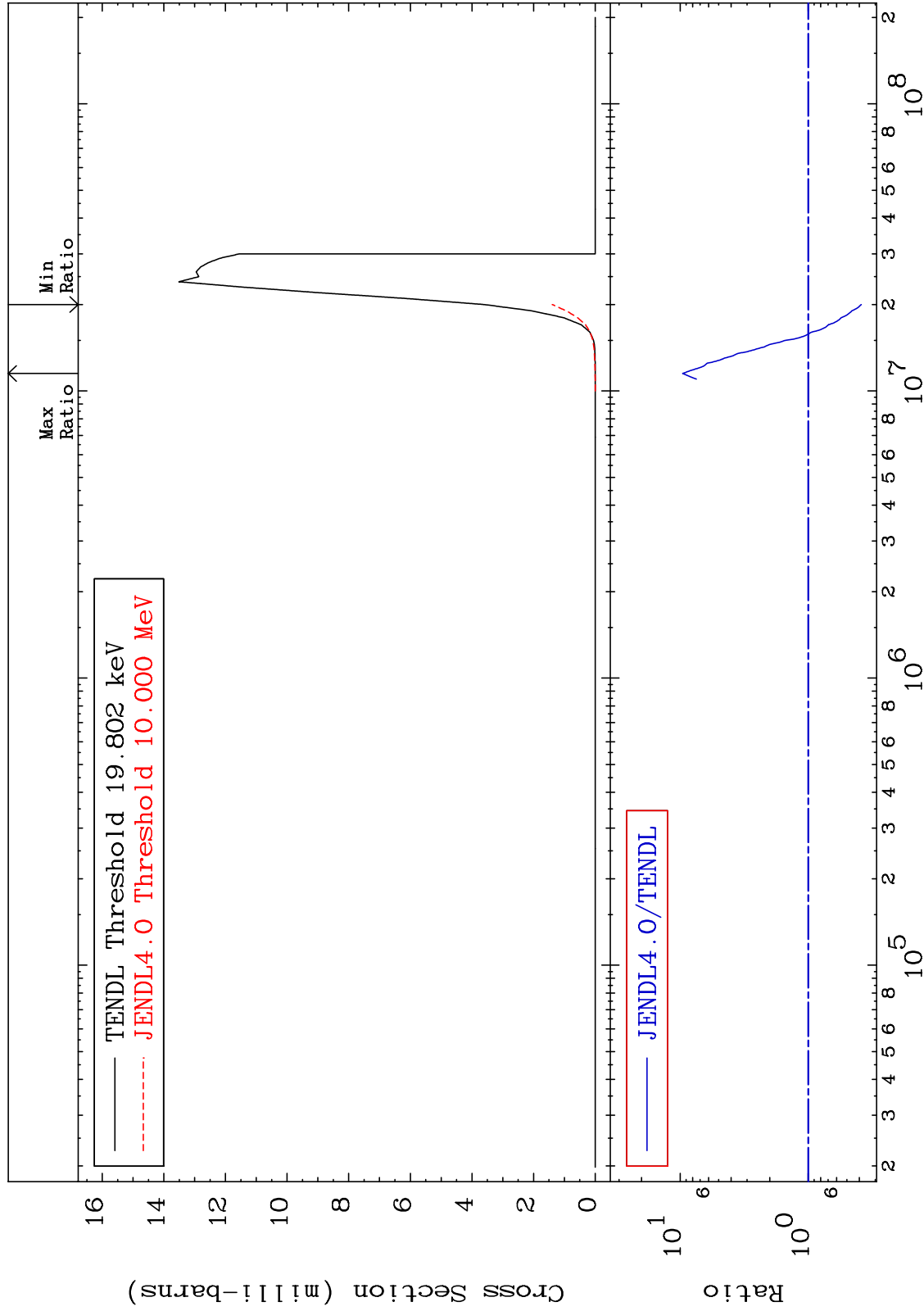
MAT 7043

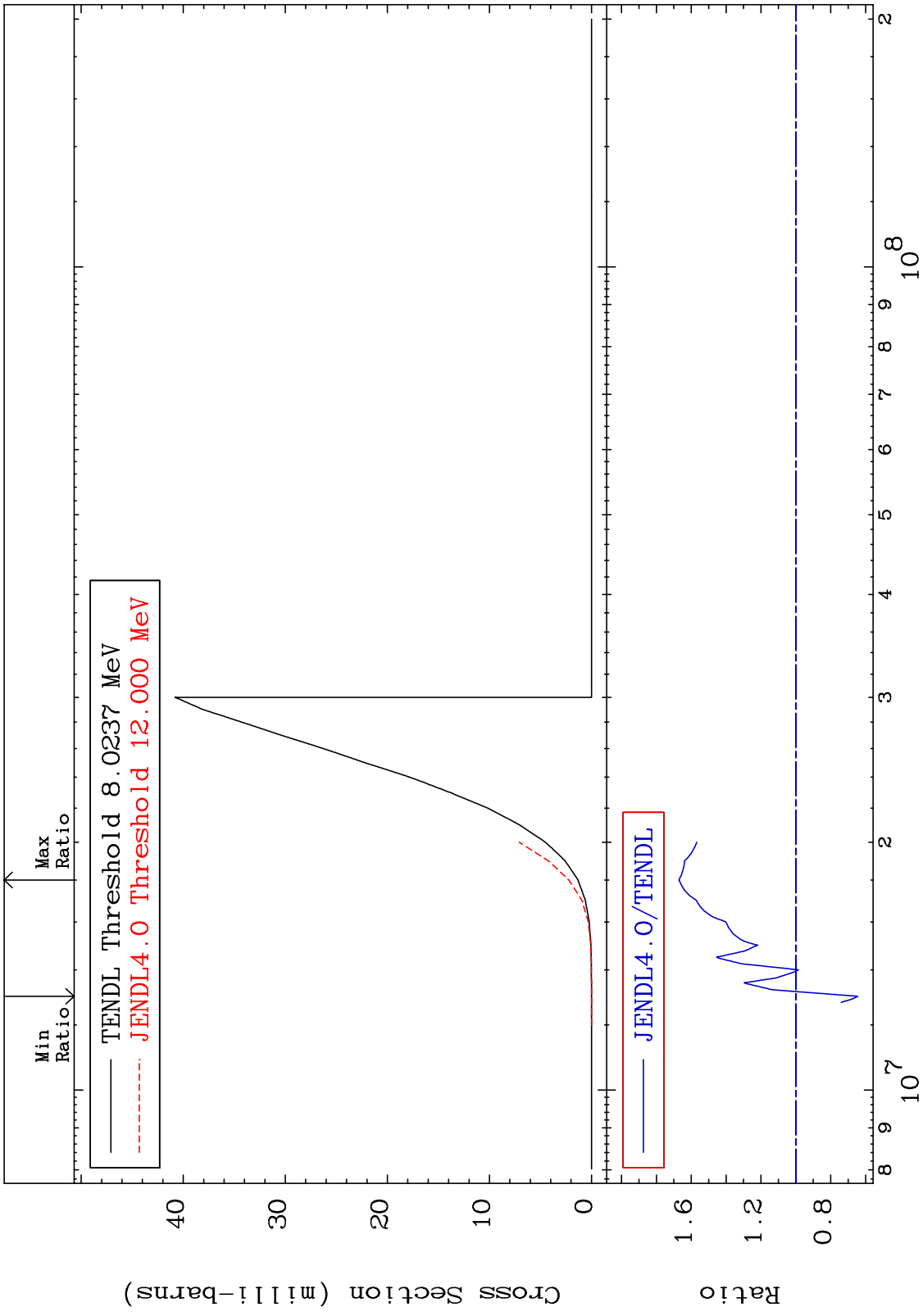
(n, n')  $\alpha$

Cross Section

70-Yb-174

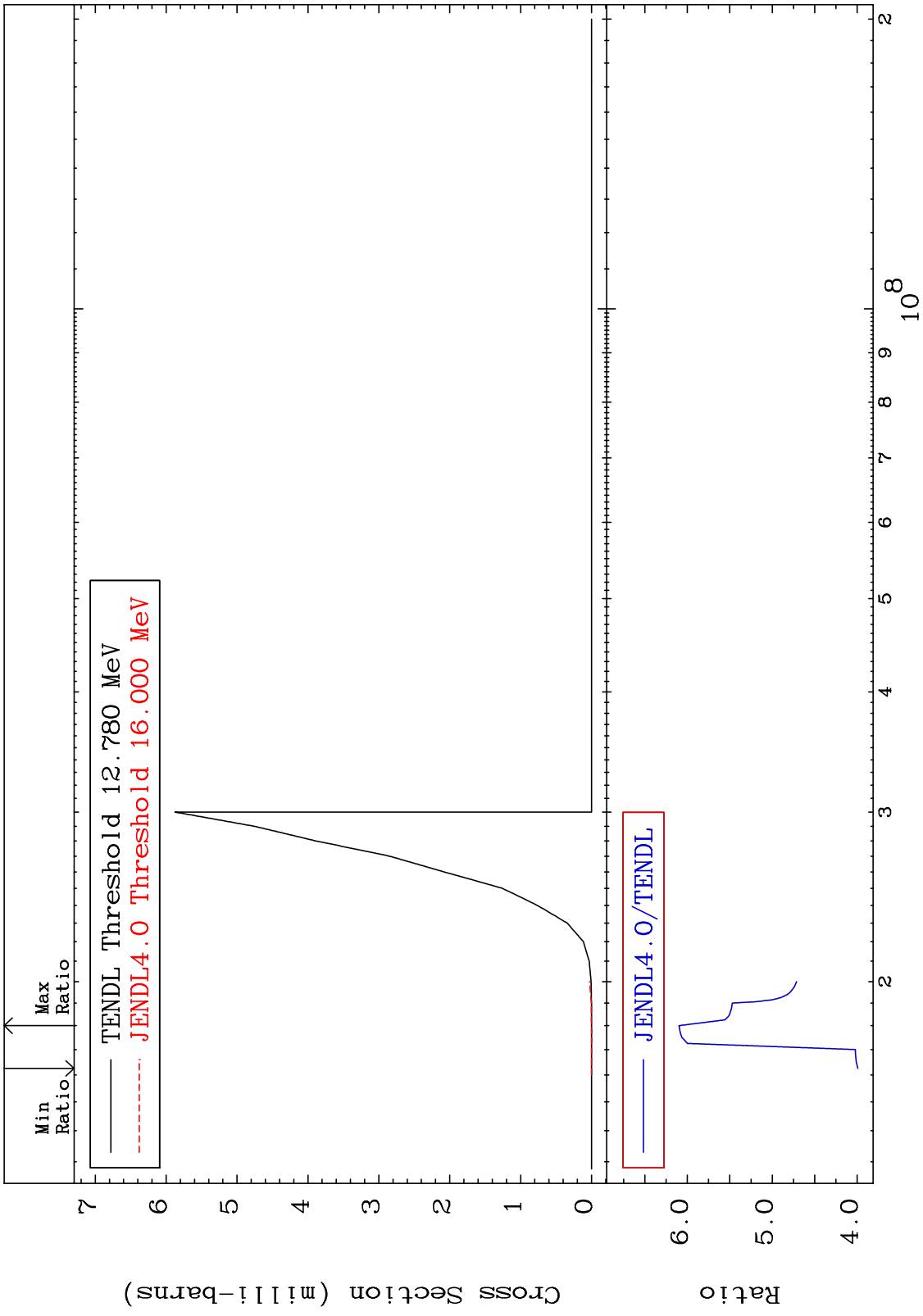
-61.48 To 855.7 %



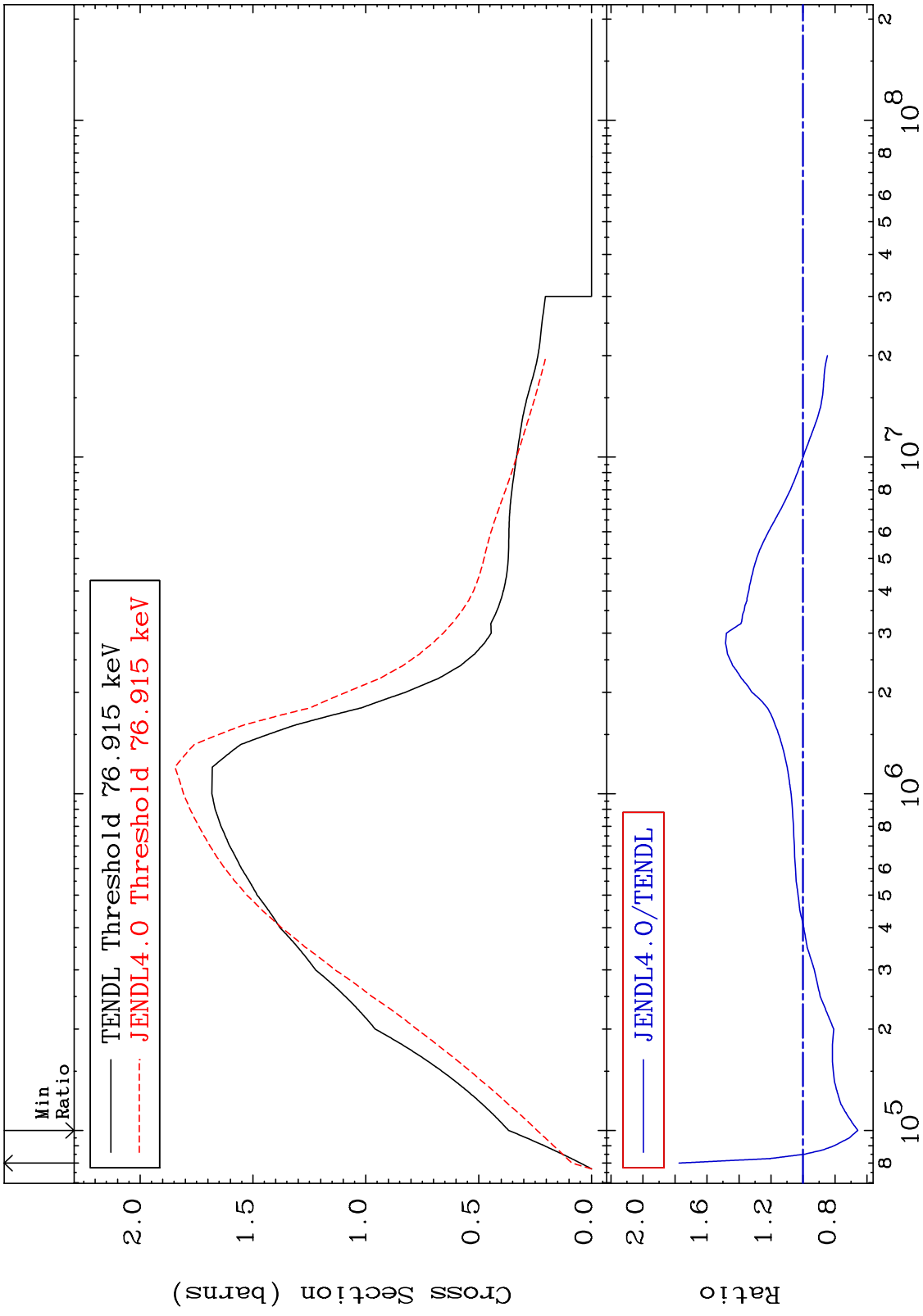




MAT 7043  $(n, n')$  d  $^{70}\text{Yb-174}$   
 Cross Section 299.3 To 509.7 %

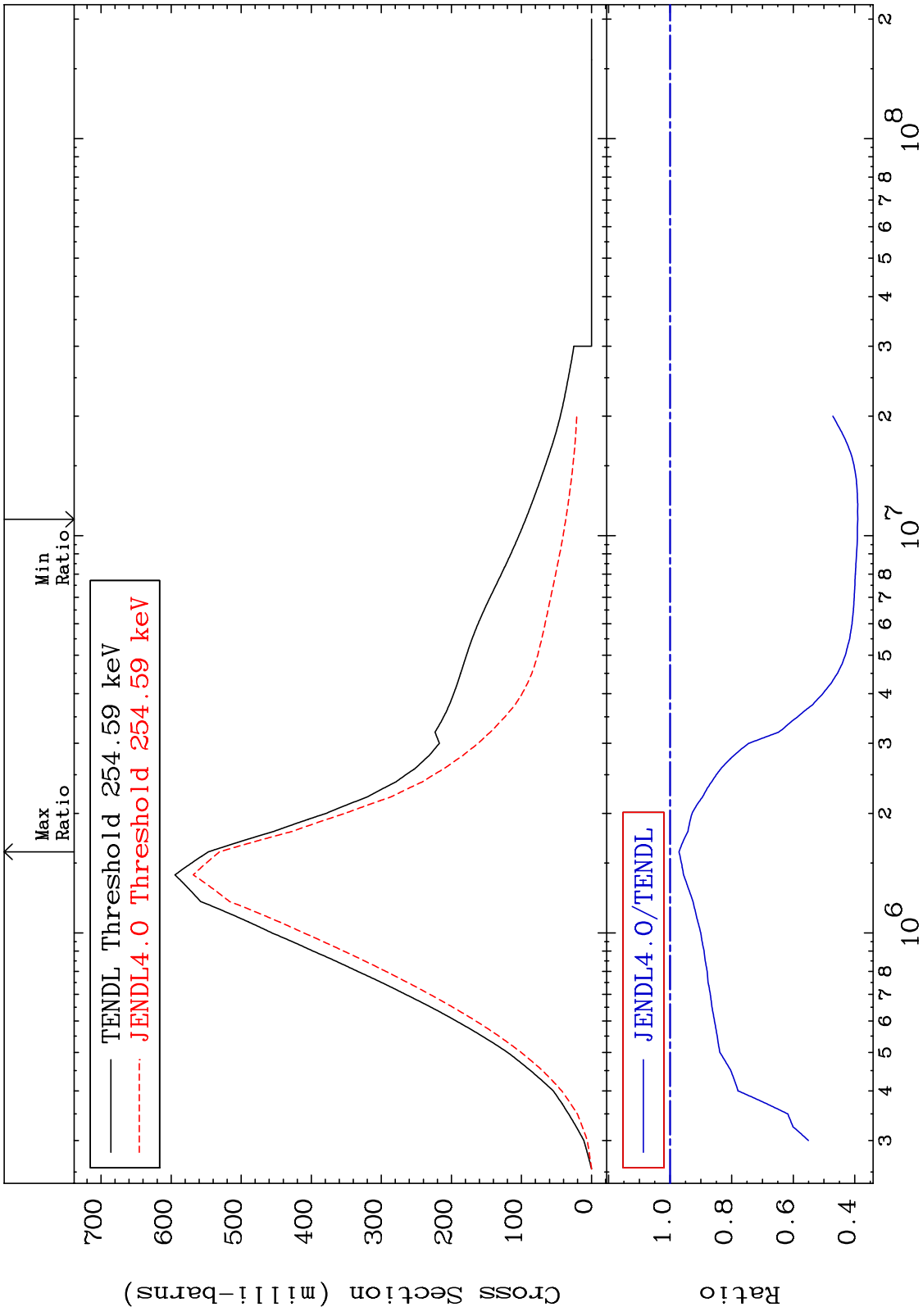


MAT 7043 MT= 51 (n,n') Level Cross Section -34.26 To 77.47 % 70-Yb-174



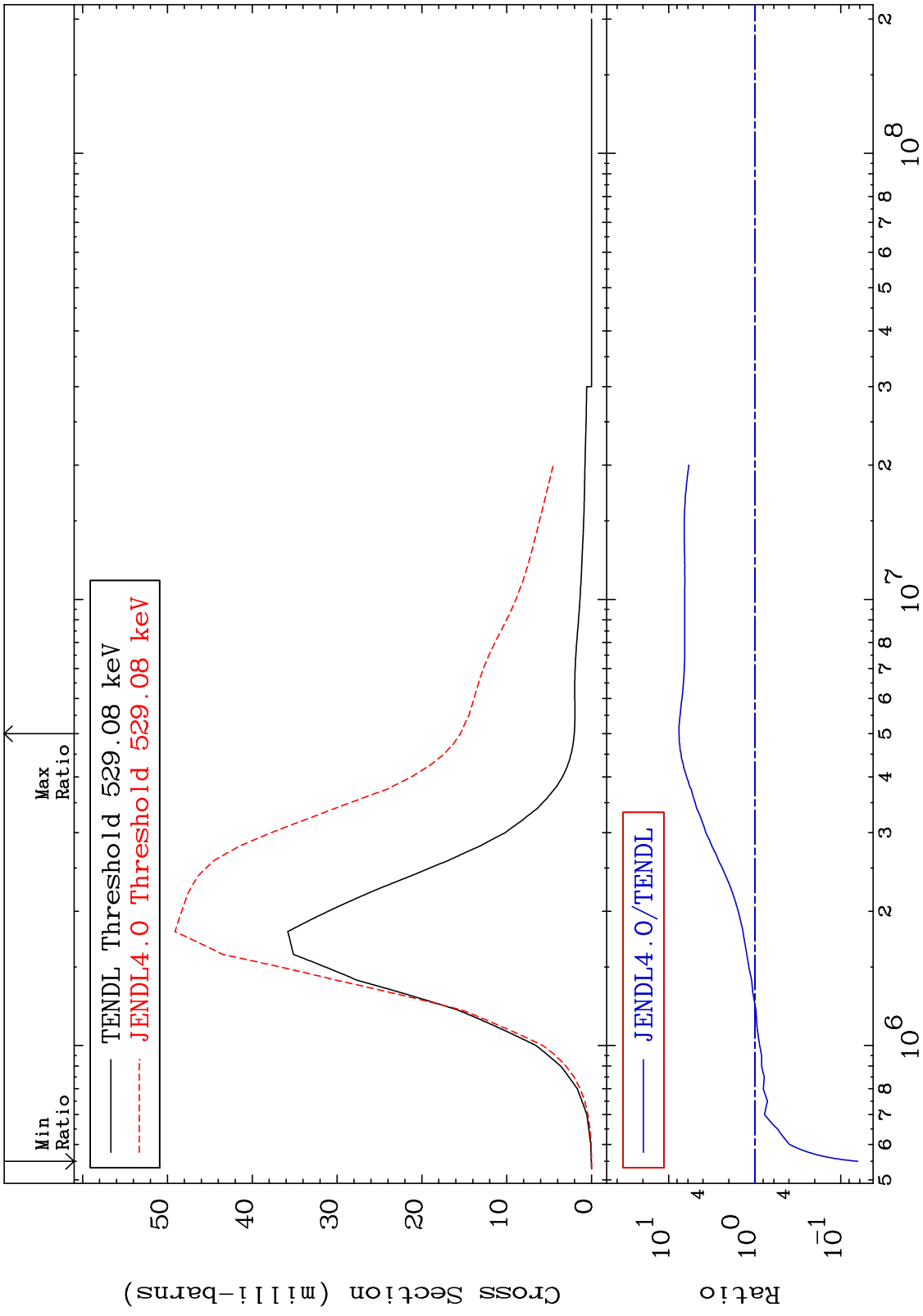
9 Incident Energy (eV) 70-Yb-174

MAT 7043 MT= 52 (n,n') Level Cross Section 70-Yb-174 -60.99 To -2.902%

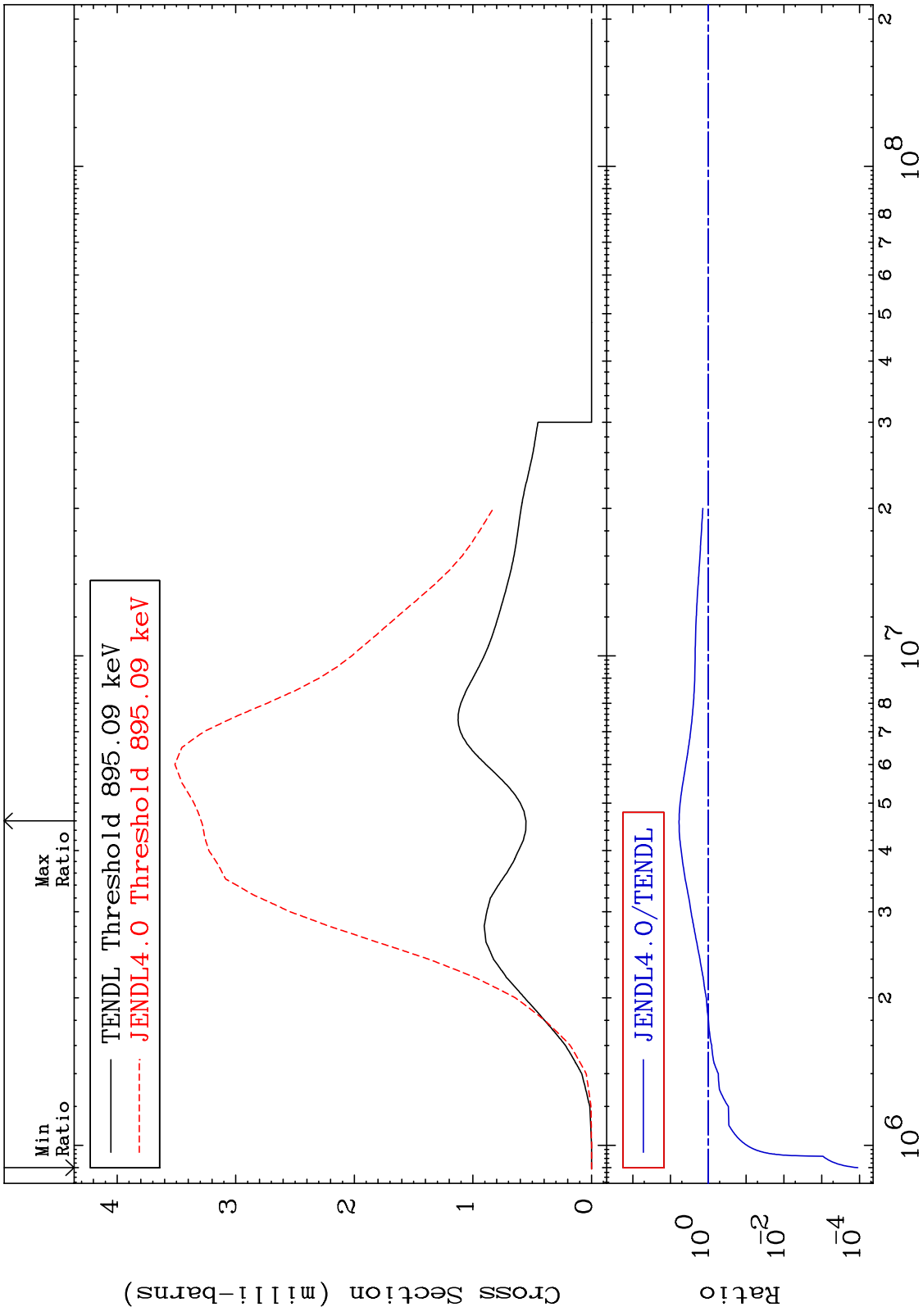


10 Incident Energy (eV) 70-Yb-174

MAT 7043 MT= 53 (n,n') Level Cross Section 70-Yb-174  
 -93.68 To 659.4 %

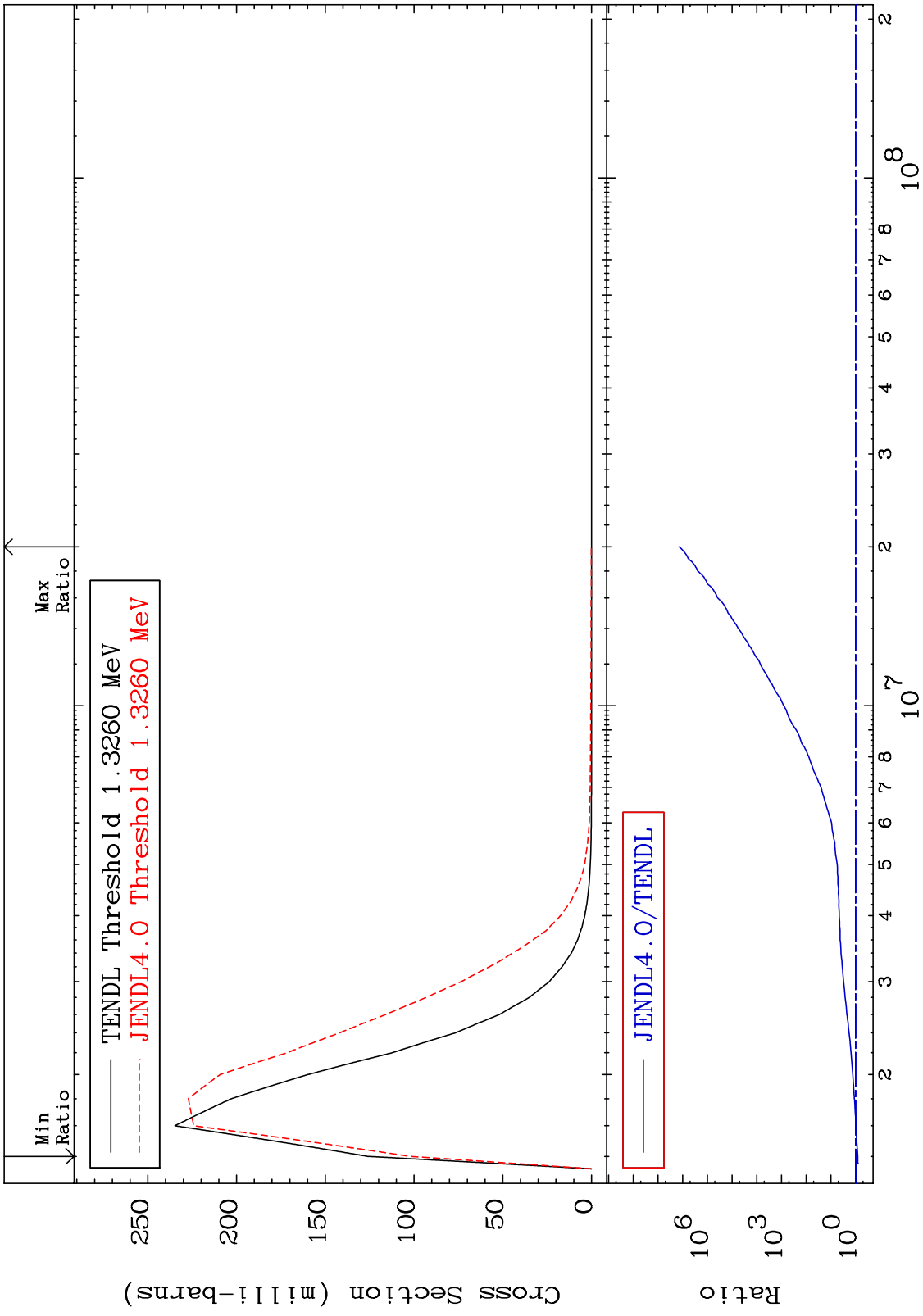


MAT 7043 MT= 54 (n,n') Level Cross Section 70-Yb-174 -99.99 To 495.8 %

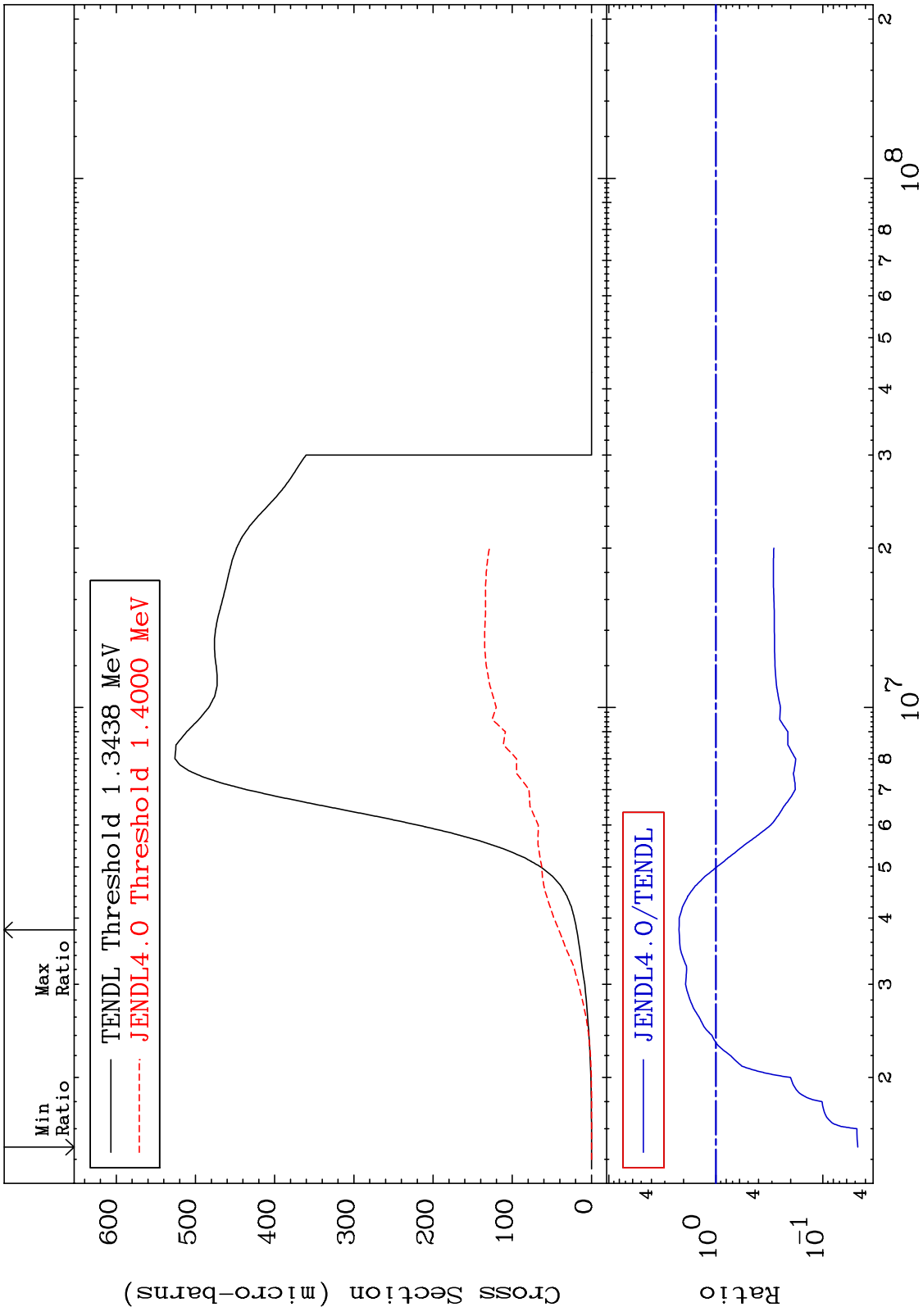


12 Incident Energy (eV) 70-Yb-174

MAT 7043 MT= 55 (n,n') Level Cross Section 70-Yb-174  
 -18.84 To 9999. %



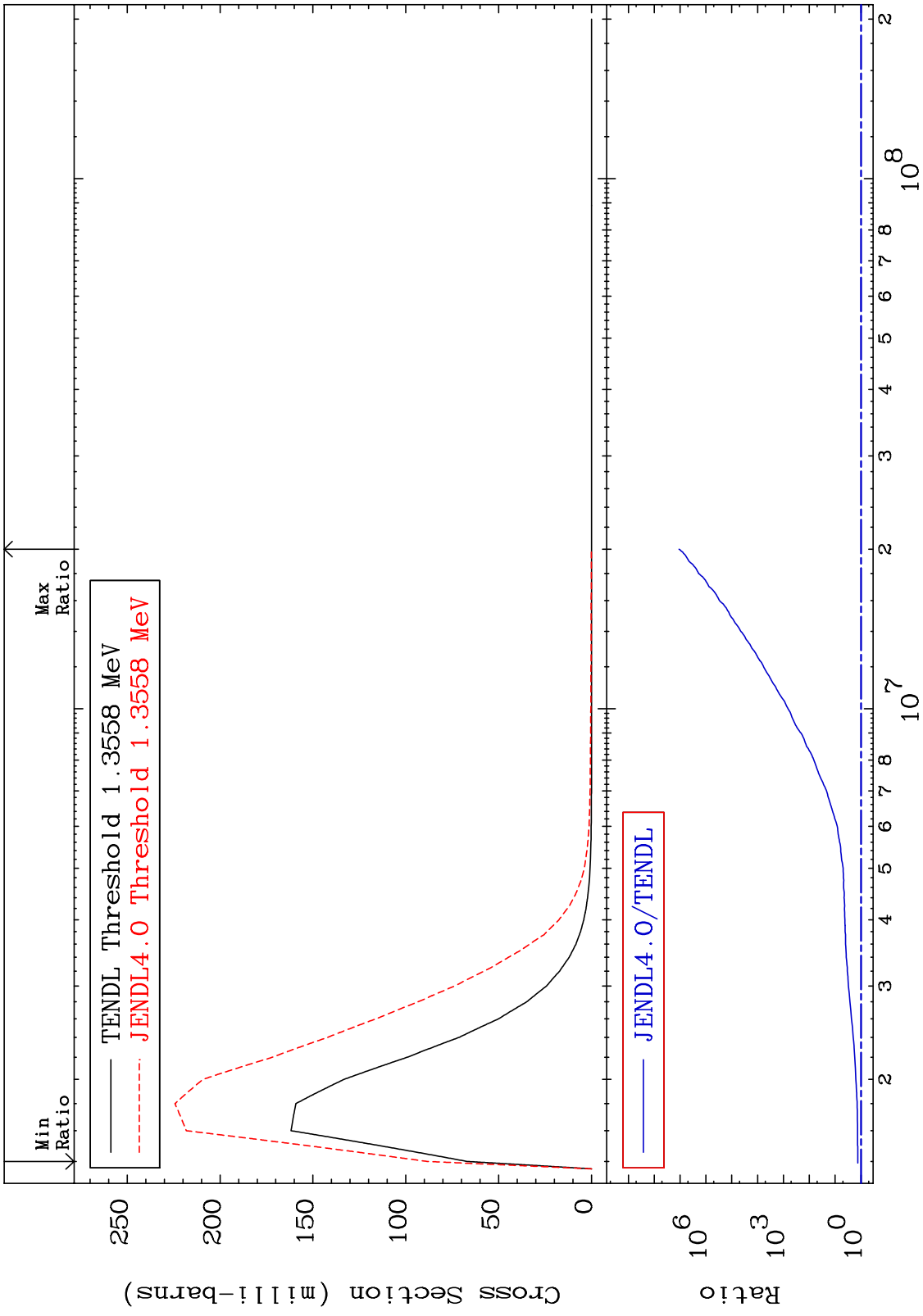
MAT 7043 MT= 56 (n,n') Level Cross Section 70-Yb-174 -95.29 To 120.8 %



70-Yb-174

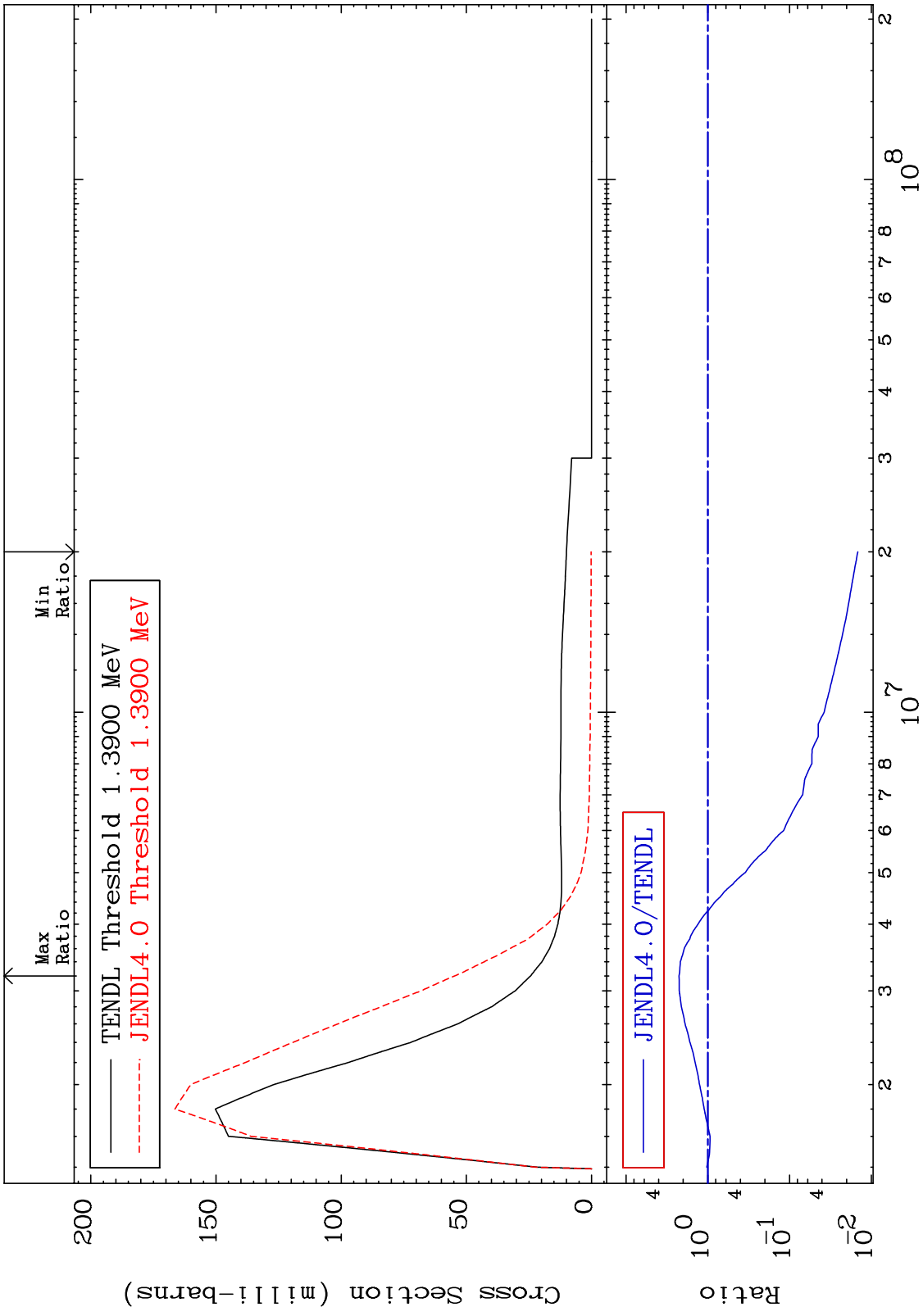
Incident Energy (eV)

MAT 7043 MT= 57 (n,n') Level Cross Section 70-Yb-174 32.20 To 9999. %

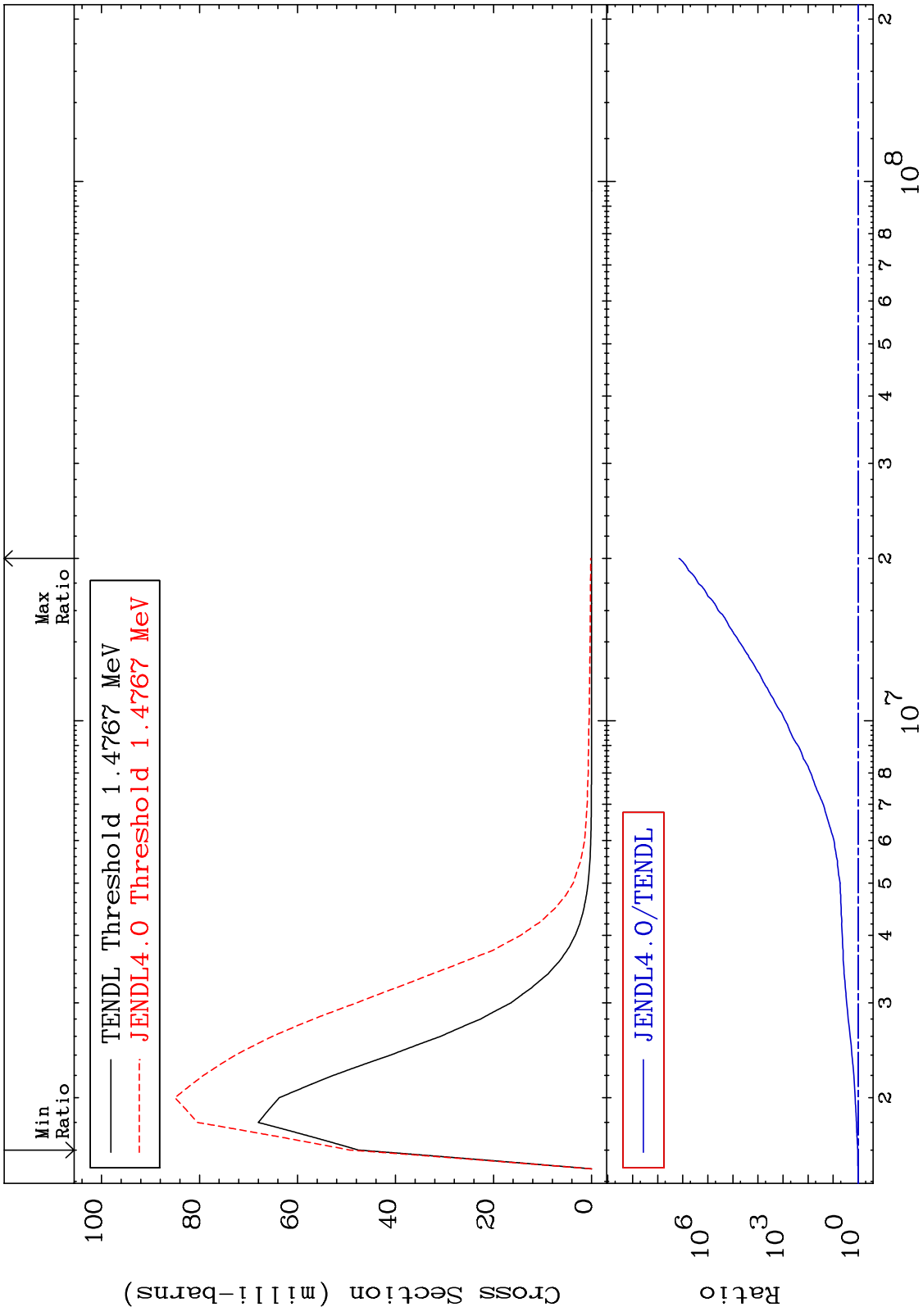




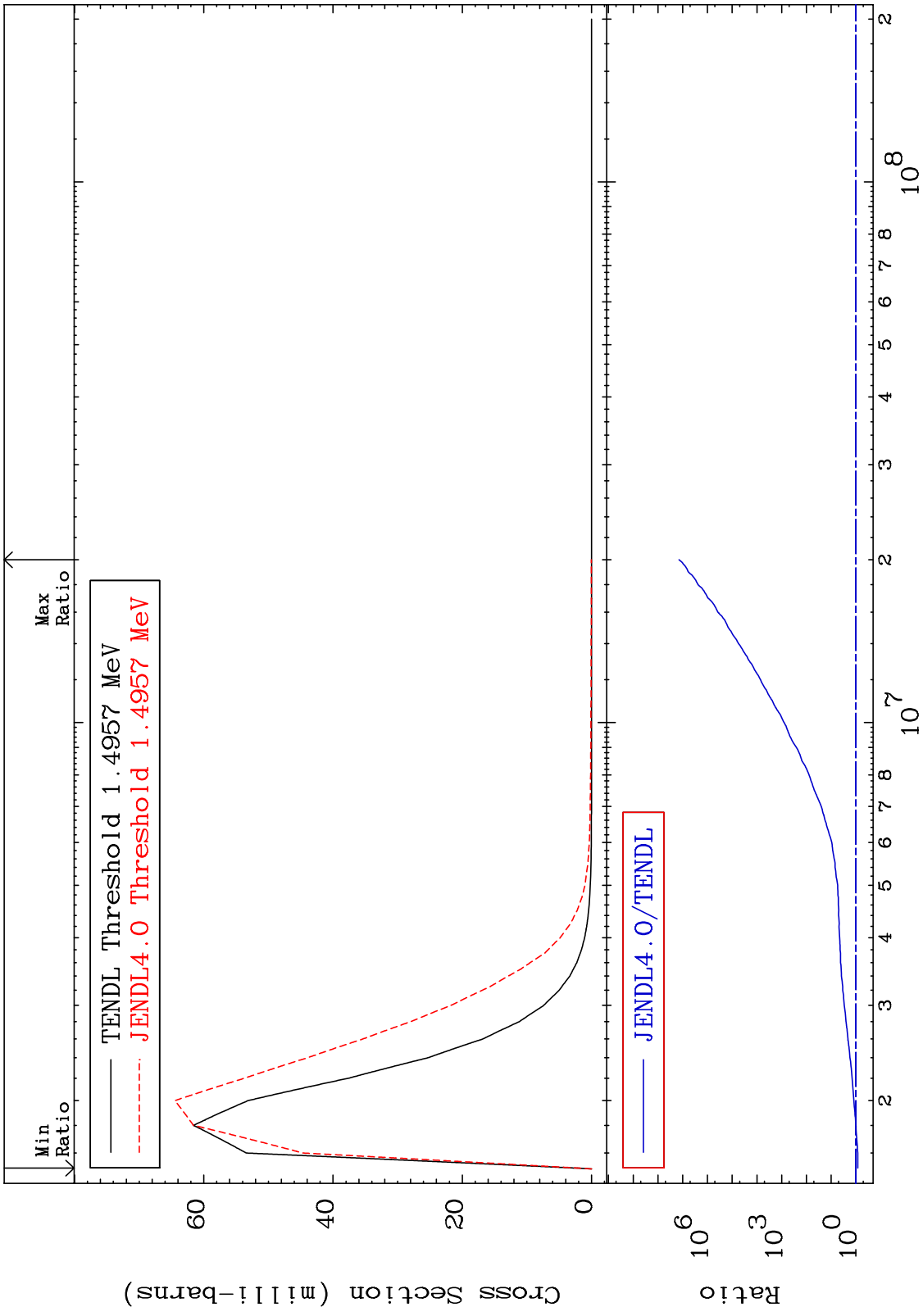
MAT 7043 MT= 58 (n,n') Level Cross Section 70-Yb-174 -98.54 To 124.6 %



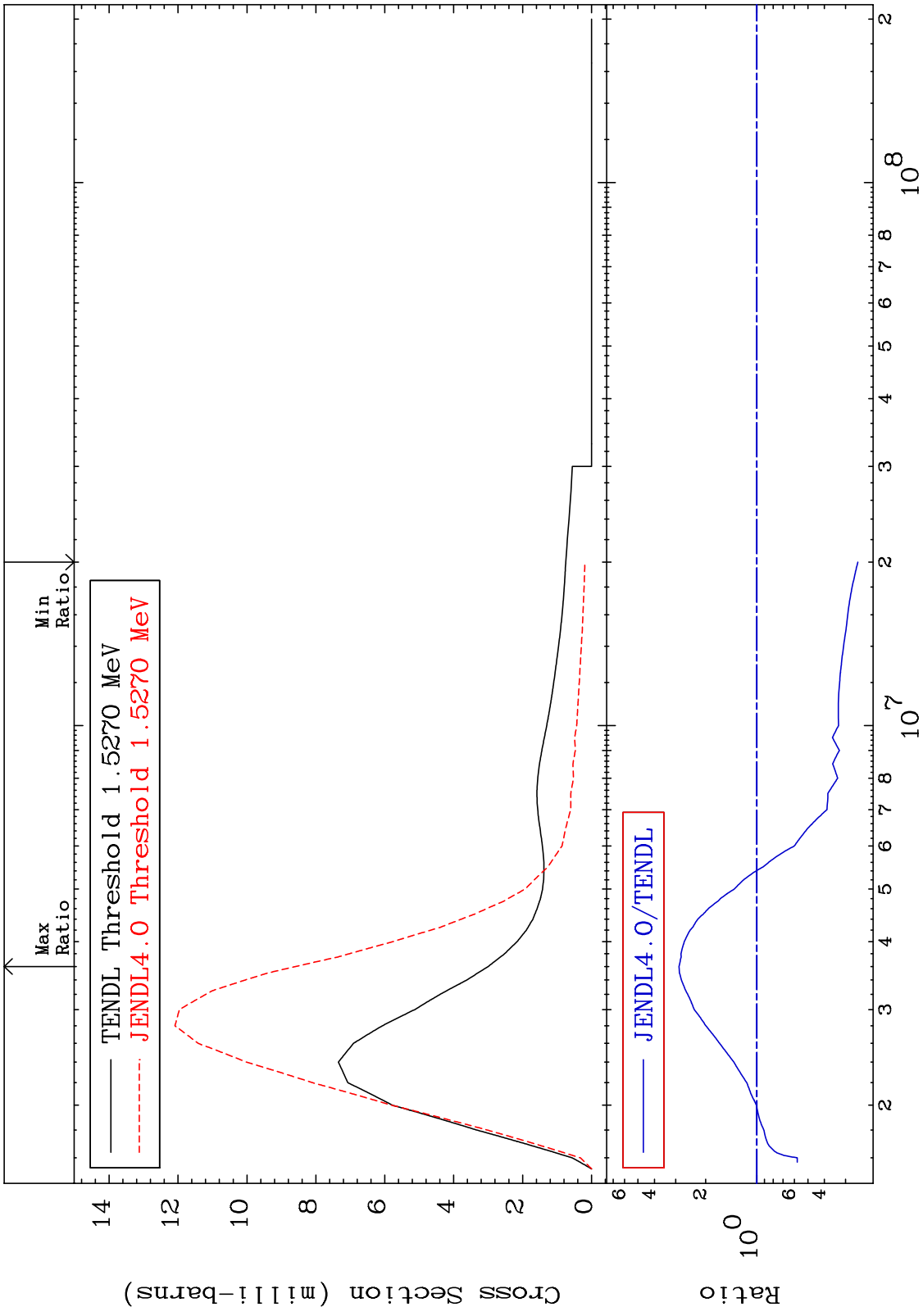
MAT 7043 MT= 59 (n,n') Level Cross Section 70-Yb-174 To 9999. %  
 3.619



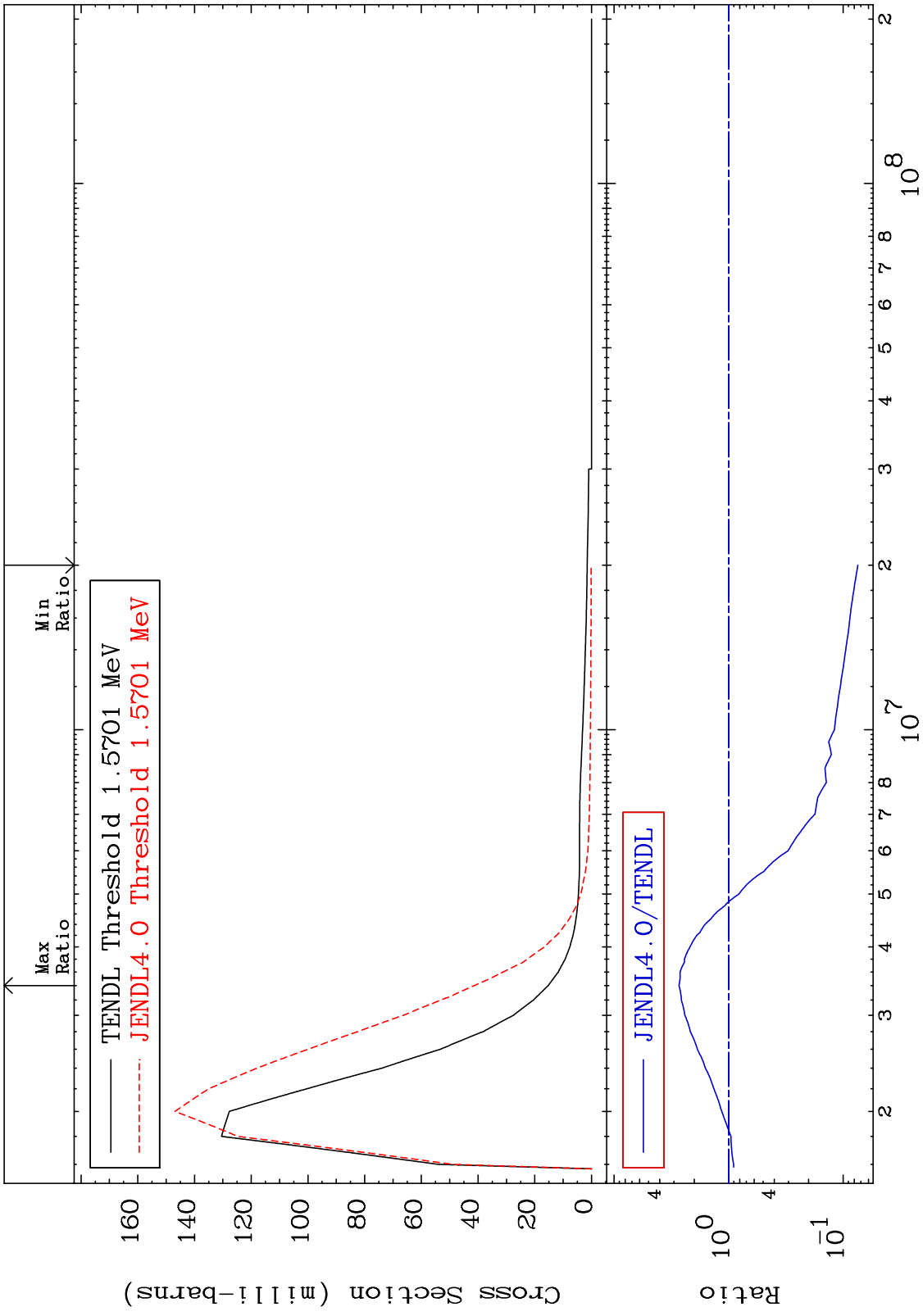
MAT 7043 MT= 60 (n,n') Level Cross Section 70-Yb-174  
 -16.43 To 9999. %



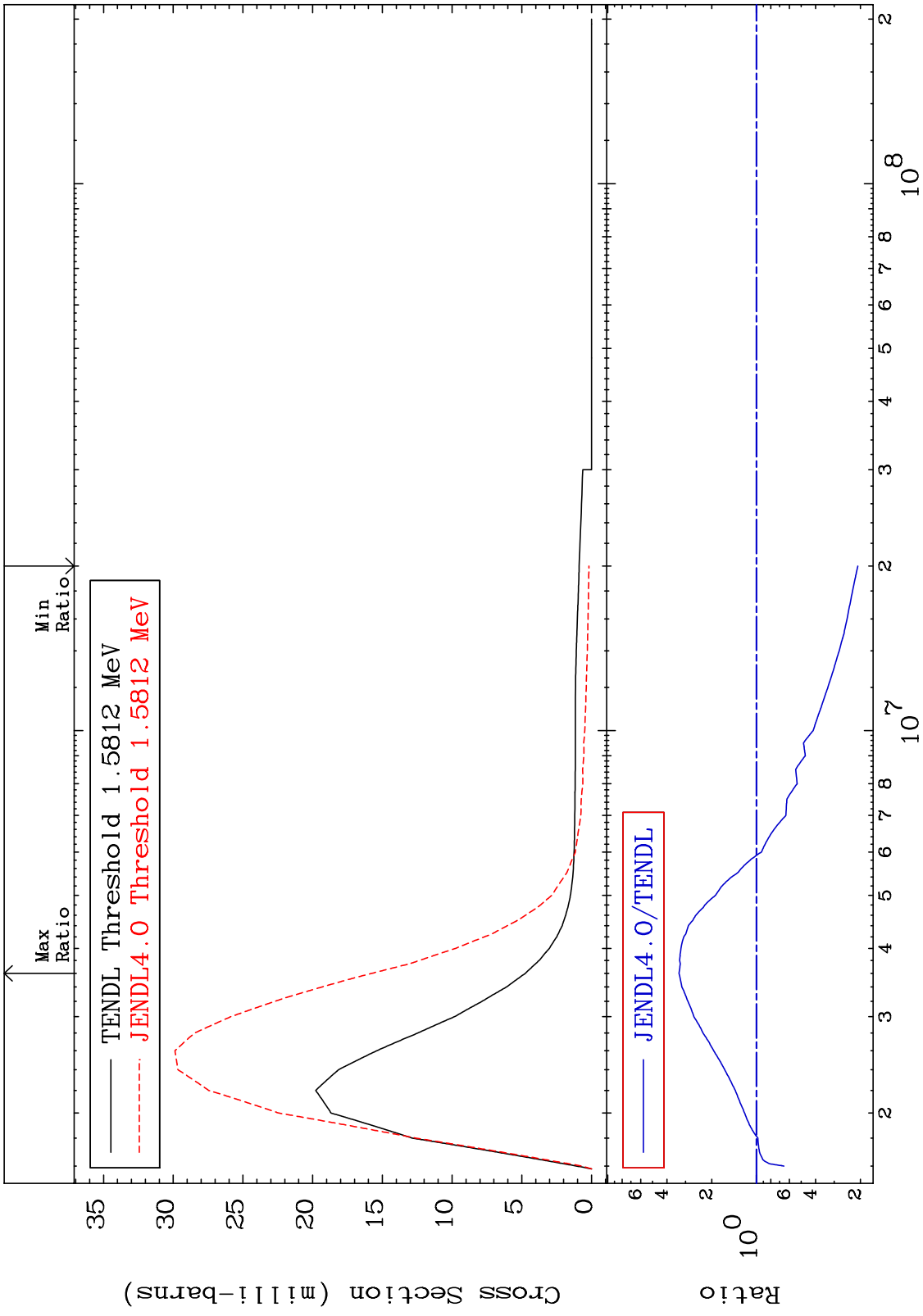
MAT 7043 MT= 61 (n,n') Level Cross Section -74.59 To 186.5 % 70-Yb-174



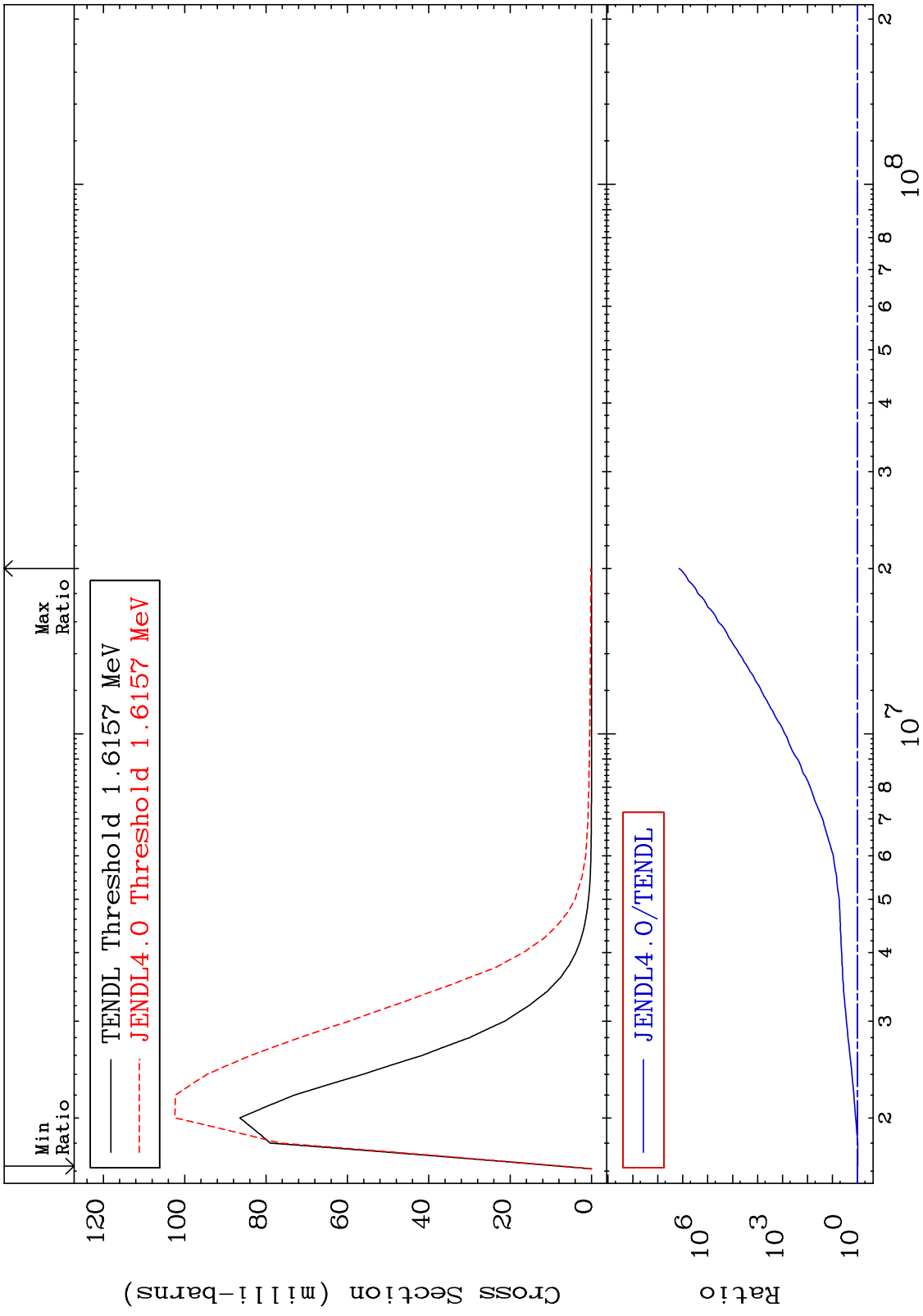
MAT 7043 MT= 62 (n,n') Level Cross Section 70-Yb-174 -92.55 To 171.2 %



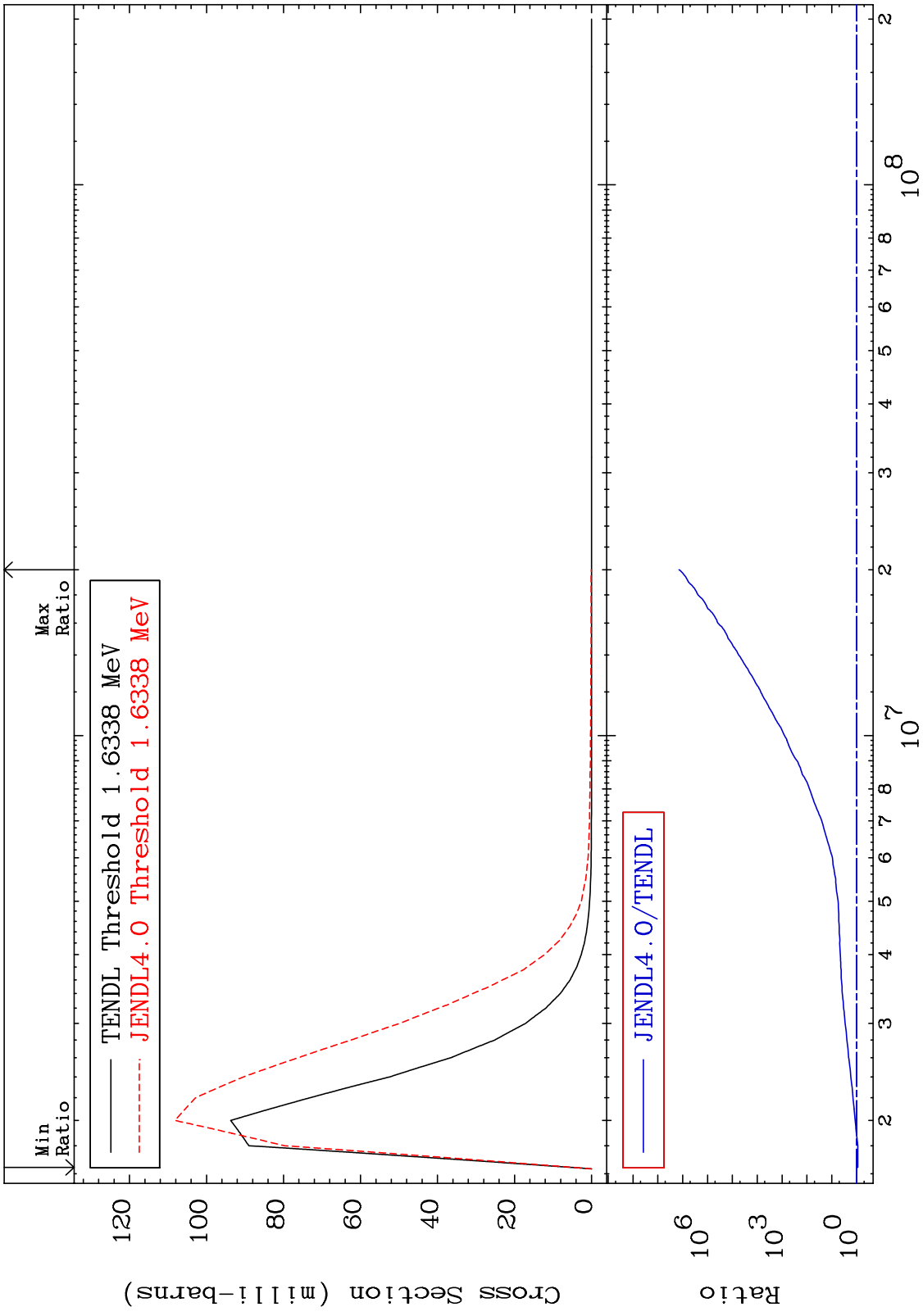
MAT 7043 MT= 63 (n,n') Level Cross Section -79.19 To 231.5 % 70-Yb-174



MAT 7043 MT= 64 (n,n') Level Cross Section 70-Yb-174  
 -3.033 To 9999. %

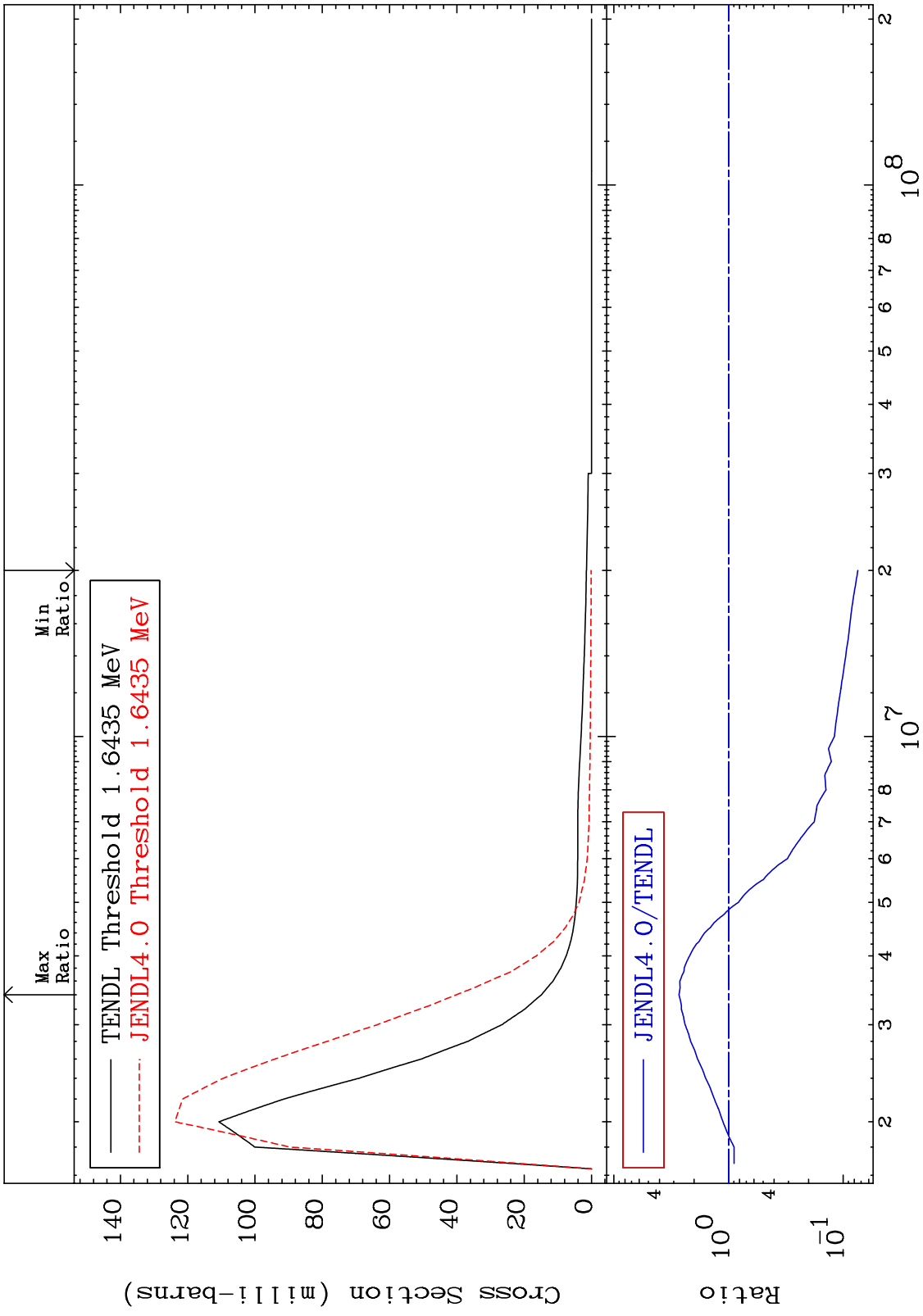


MAT 7043 MT= 65 (n,n') Level Cross Section 70-Yb-174  
 -10.33 To 9999. %

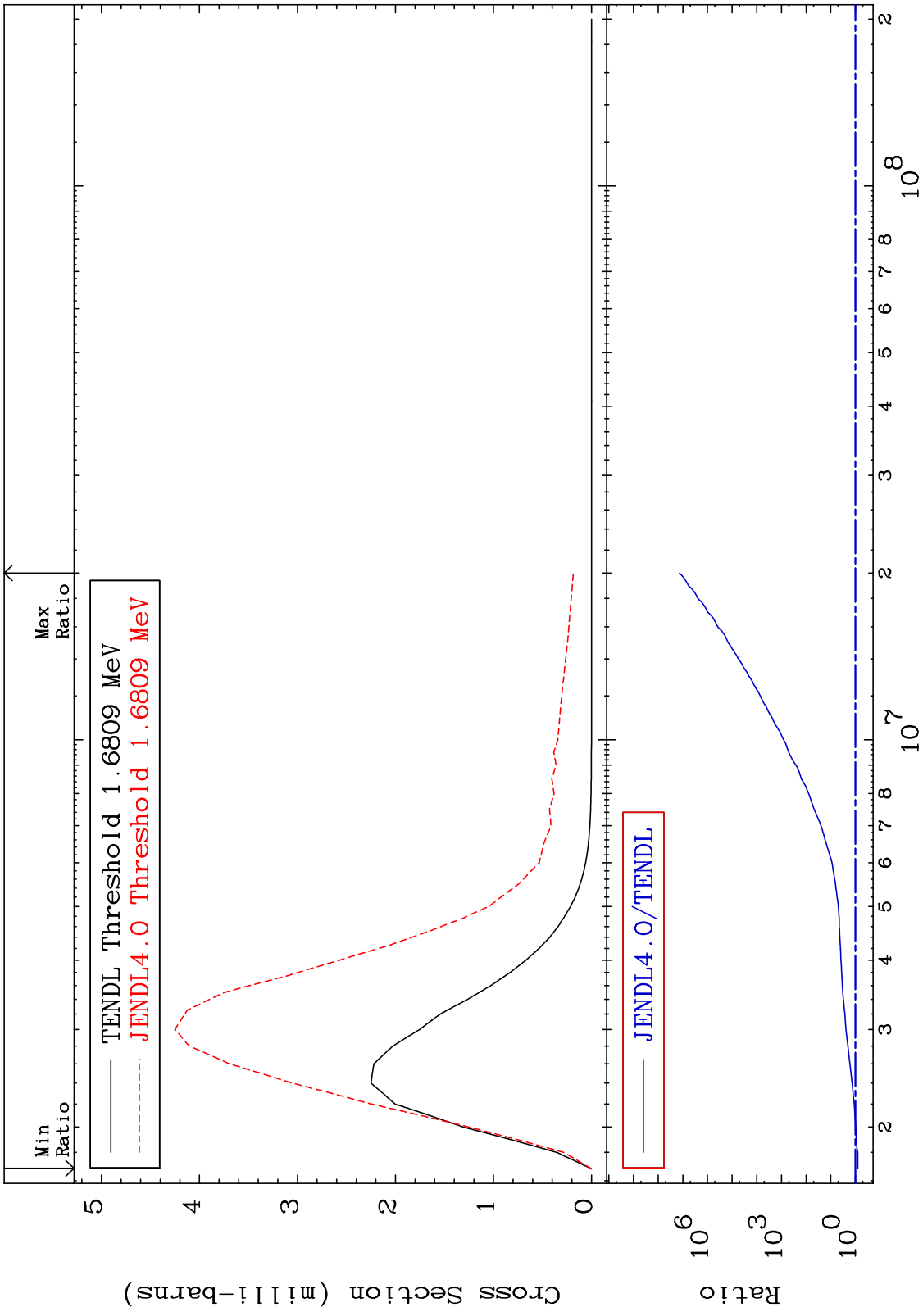




MAT 7043 MT= 66 (n,n') Level Cross Section 70-Yb-174 -92.54 To 170.0 %



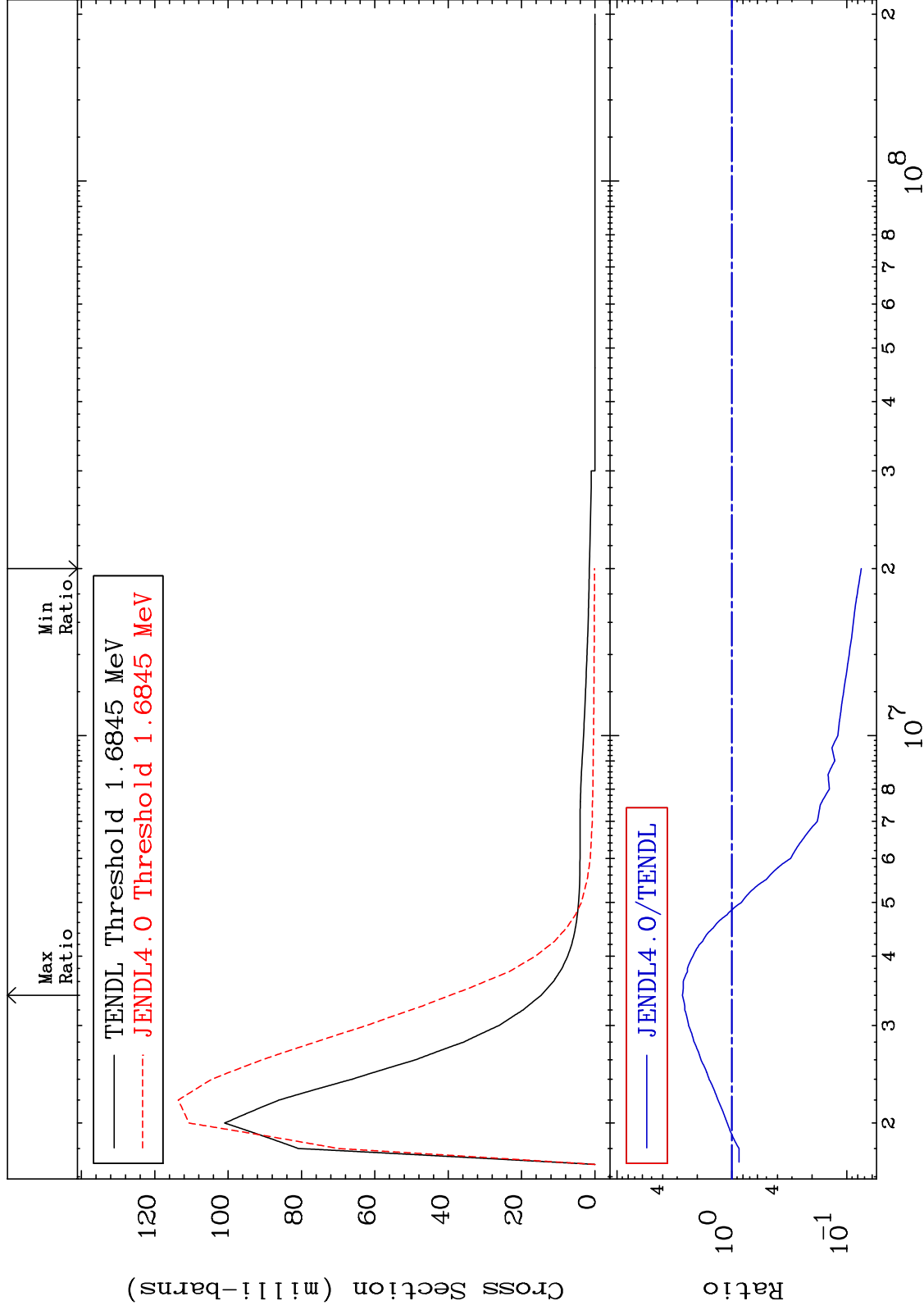
MAT 7043 MT= 67 (n,n') Level Cross Section 70-Yb-174  
 -20.22 To 9999. %



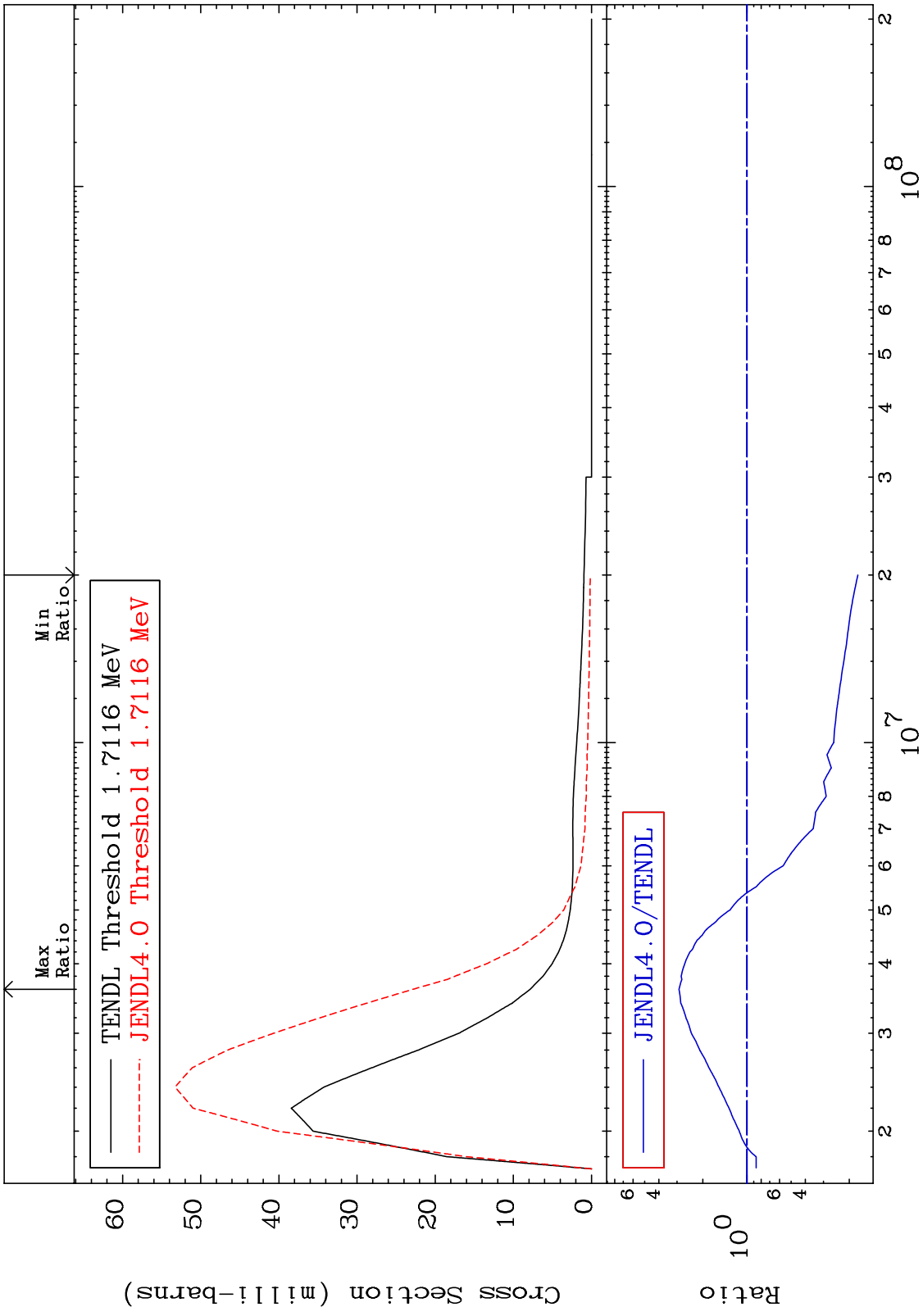
MAT 7043

MT= 68 (n,n') Level  
Cross Section

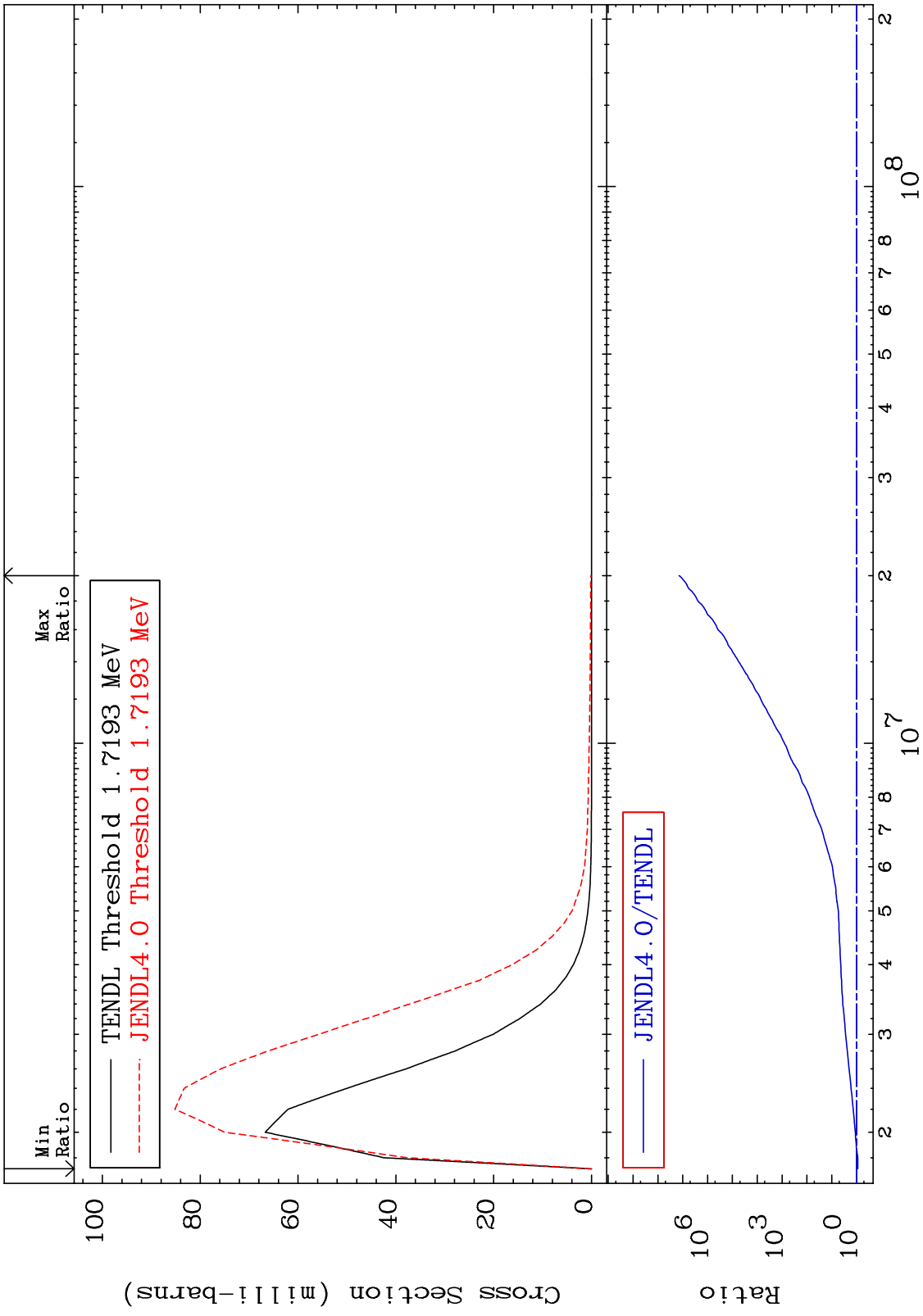
70-Yb-174  
-92.53 To 169.2 %



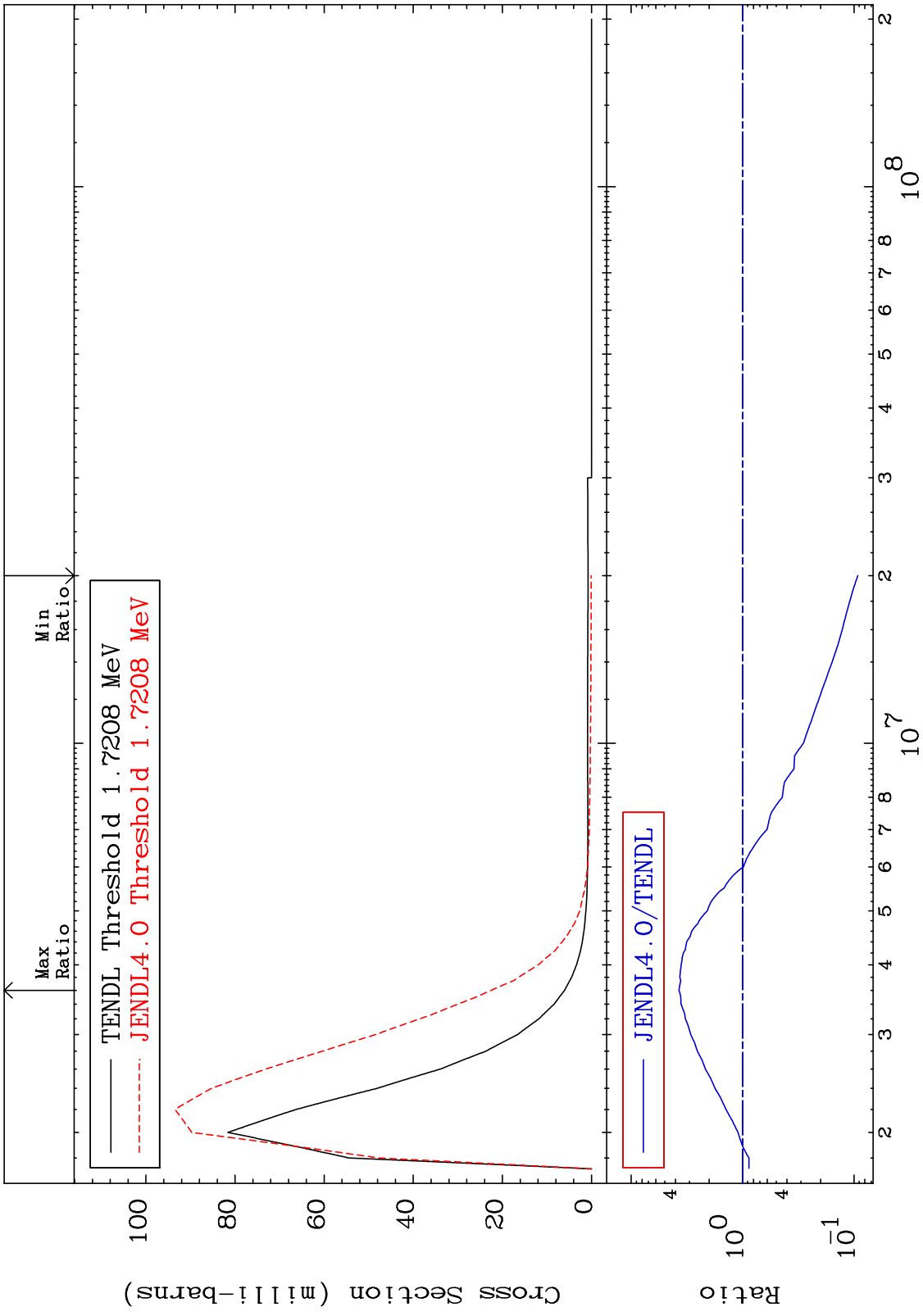
MAT 7043 MT= 69 (n,n') Level Cross Section 70-Yb-174 -82.51 To 191.0 %



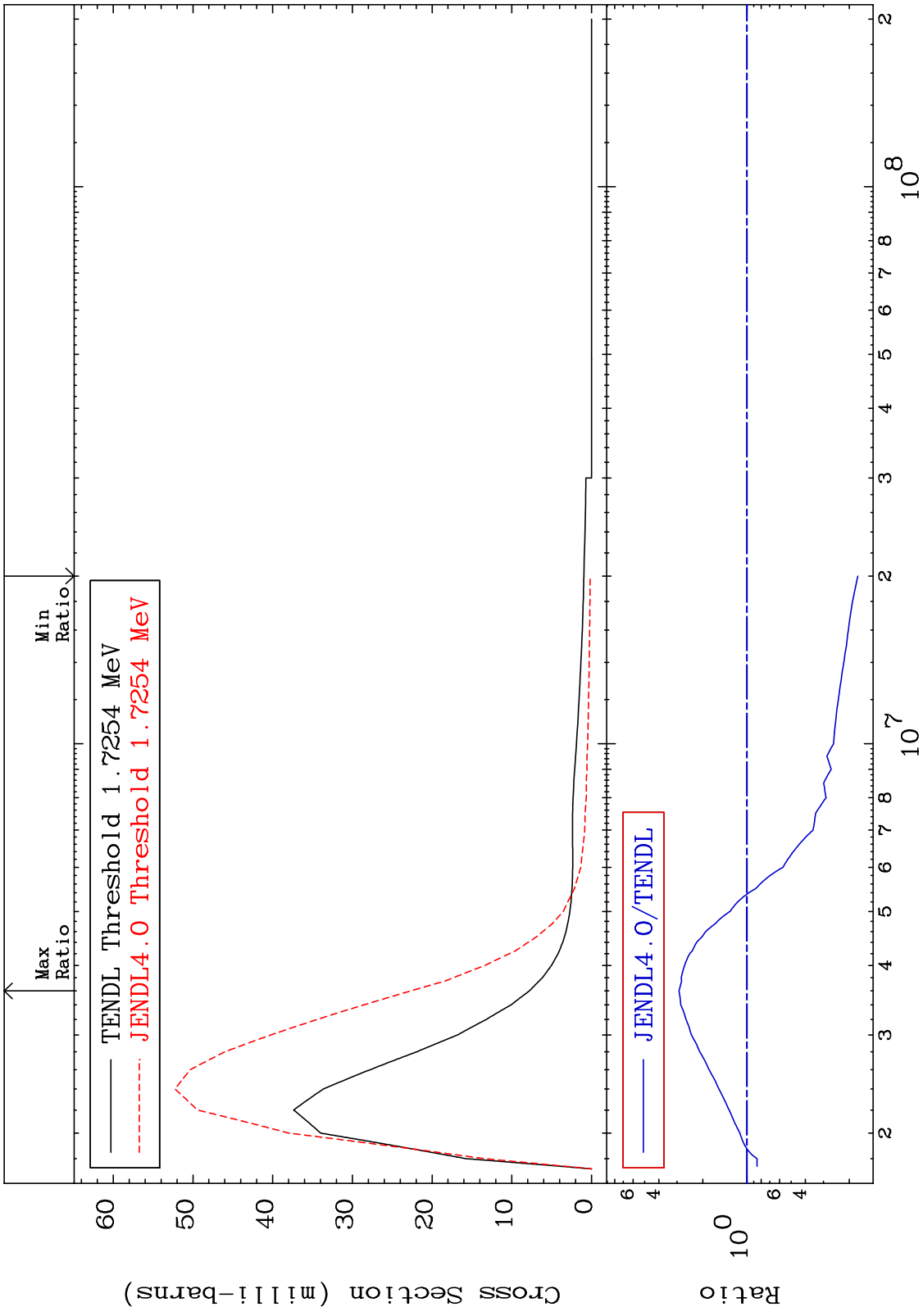
MAT 7043 MT= 70 (n,n') Level Cross Section -11.30 To 9999. % 70-Yb-174



MAT 7043 MT= 71 (n,n') Level Cross Section 70-Yb-174 -90.75 To 272.0 %

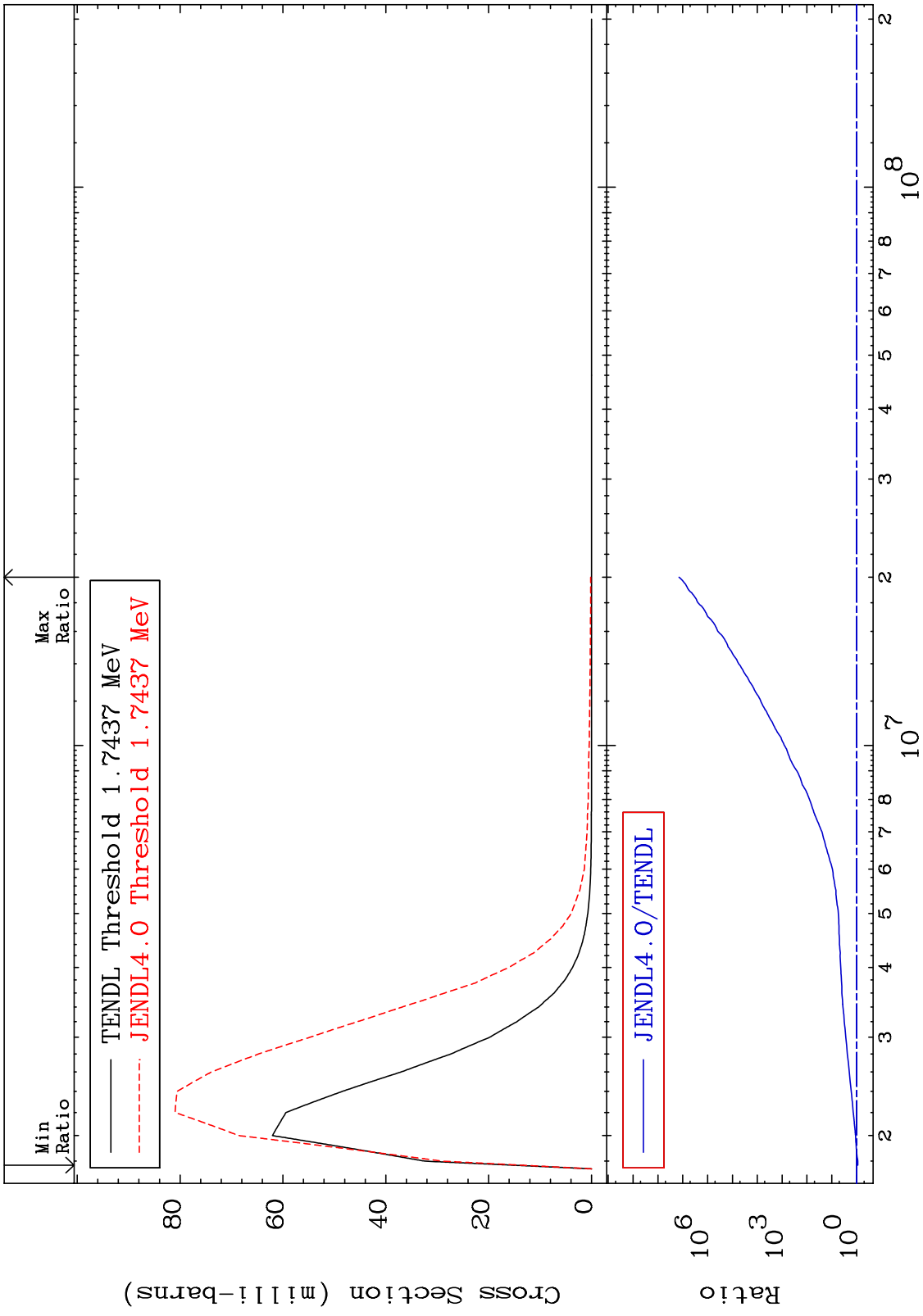


MAT 7043 MT= 72 (n,n') Level Cross Section 70-Yb-174 -82.51 To 190.8 %



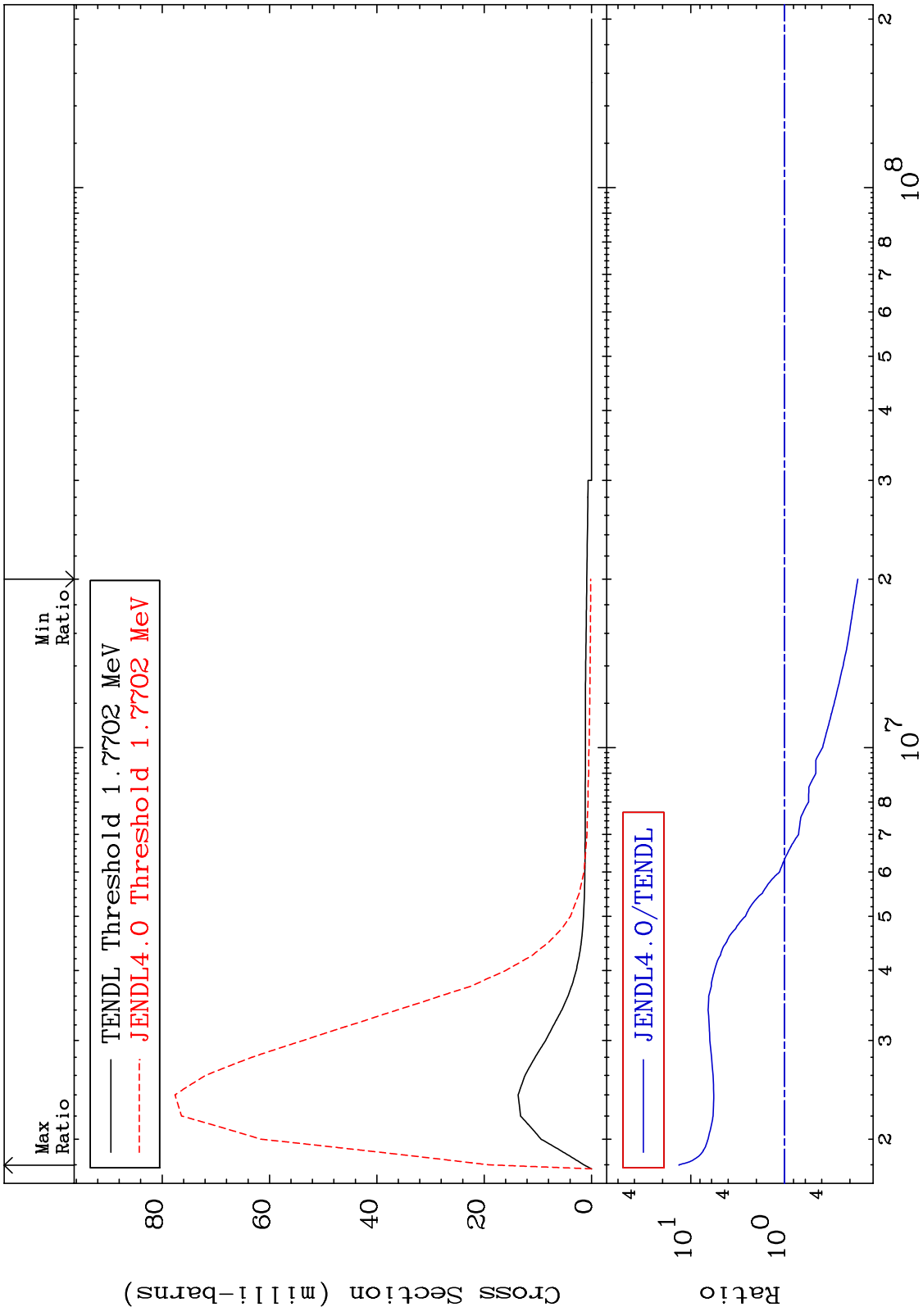
30 Incident Energy (eV) 70-Yb-174

MAT 7043 MT= 73 (n,n') Level Cross Section 70-Yb-174  
 -10.52 To 9999. %

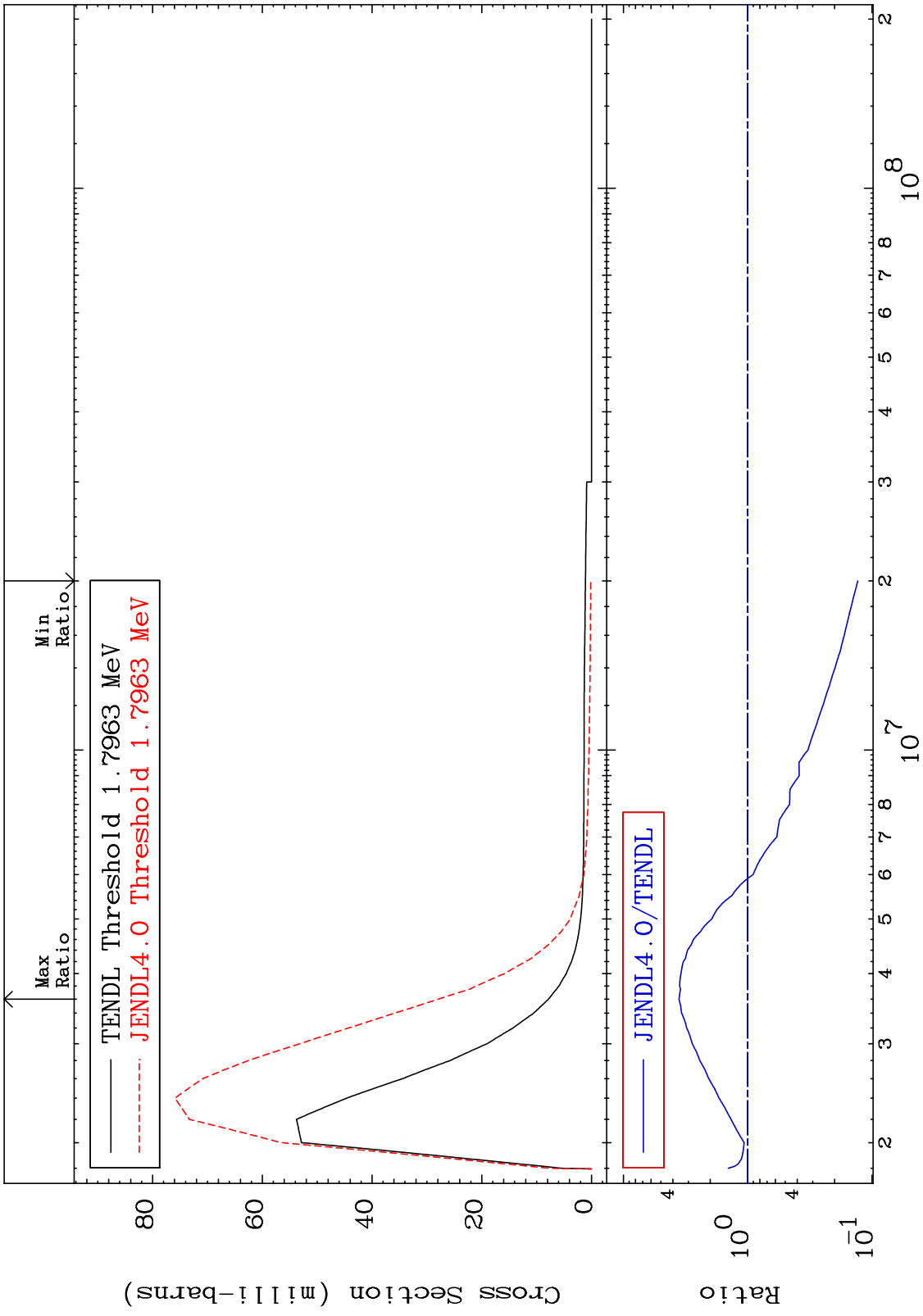




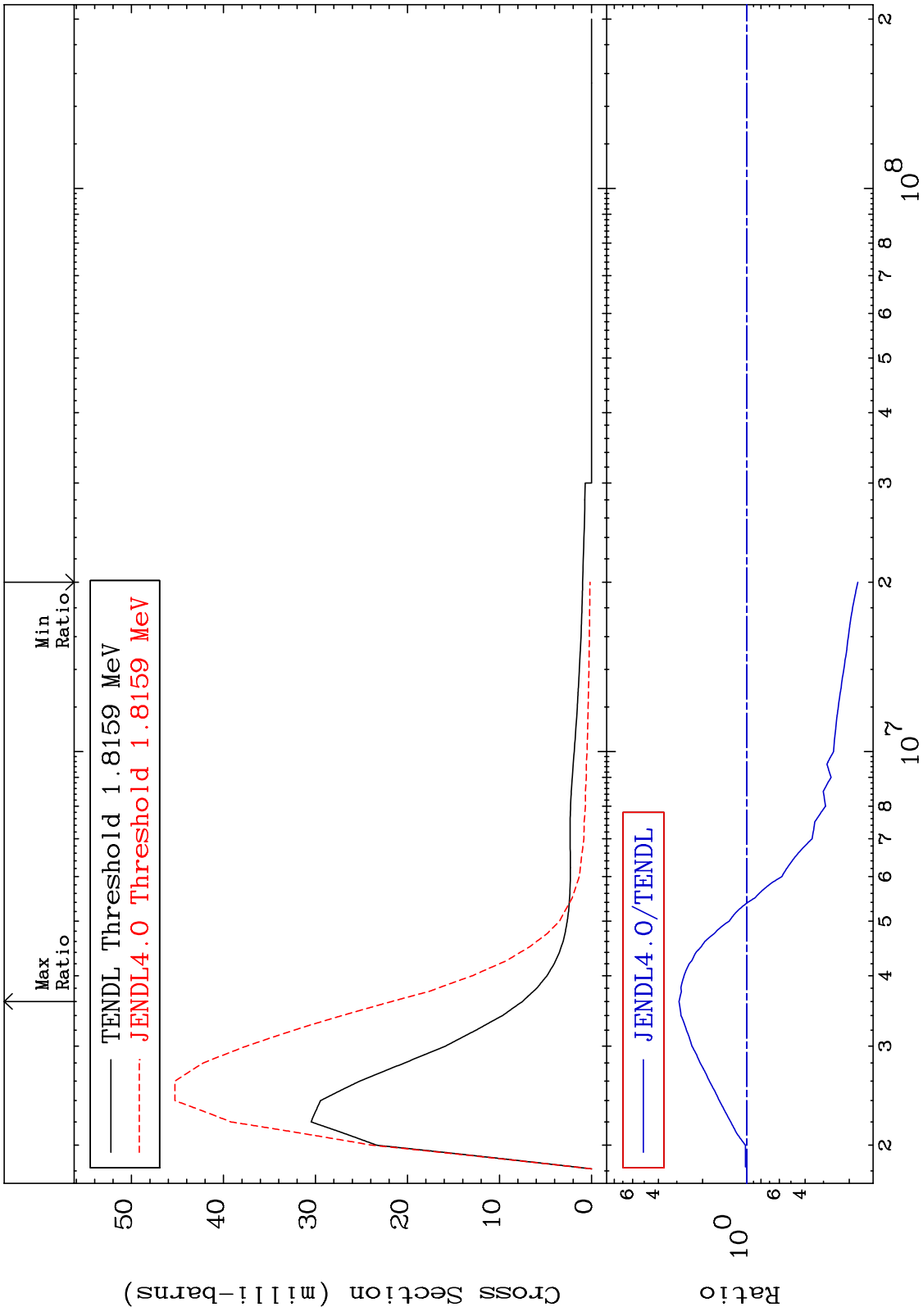
MAT 7043 MT= 74 (n,n') Level Cross Section 70-Yb-174  
 -83.55 To 1237. %



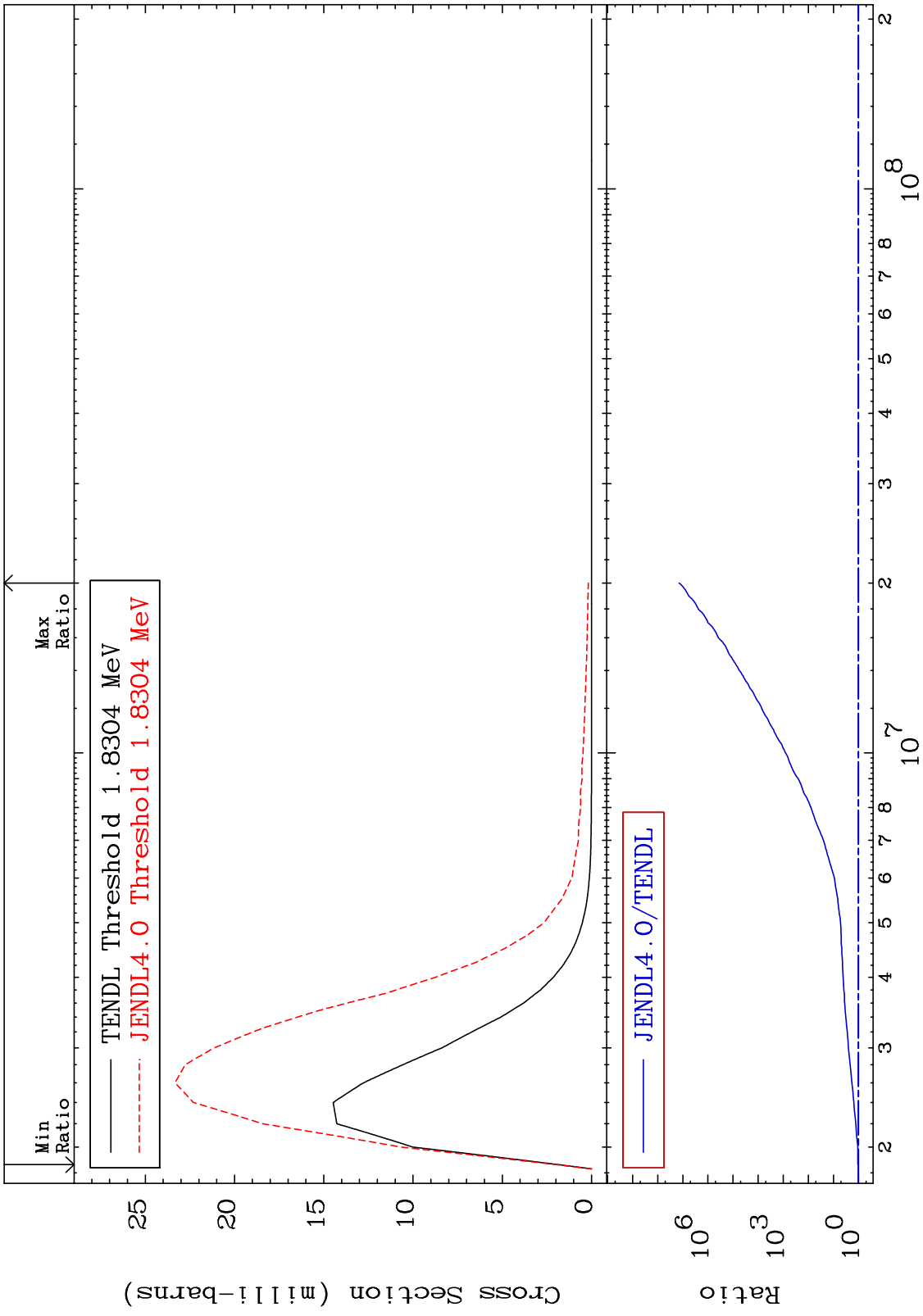
MAT 7043 MT= 75 (n,n') Level Cross Section 70-Yb-174  
 -86.99 To 256.7 %



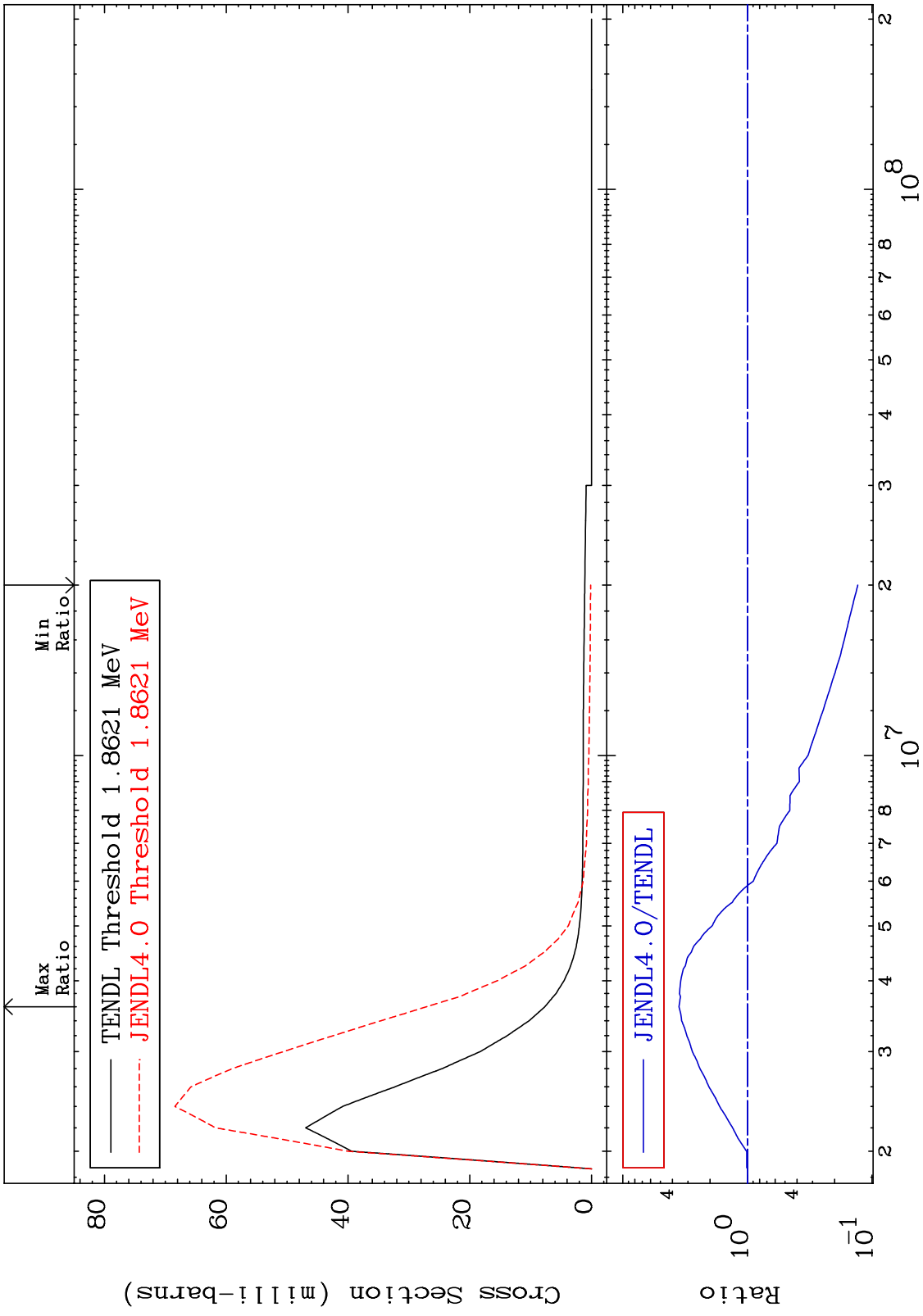
MAT 7043 MT= 76 (n,n') Level Cross Section 70-Yb-174  
 -82.50 To 189.3 %



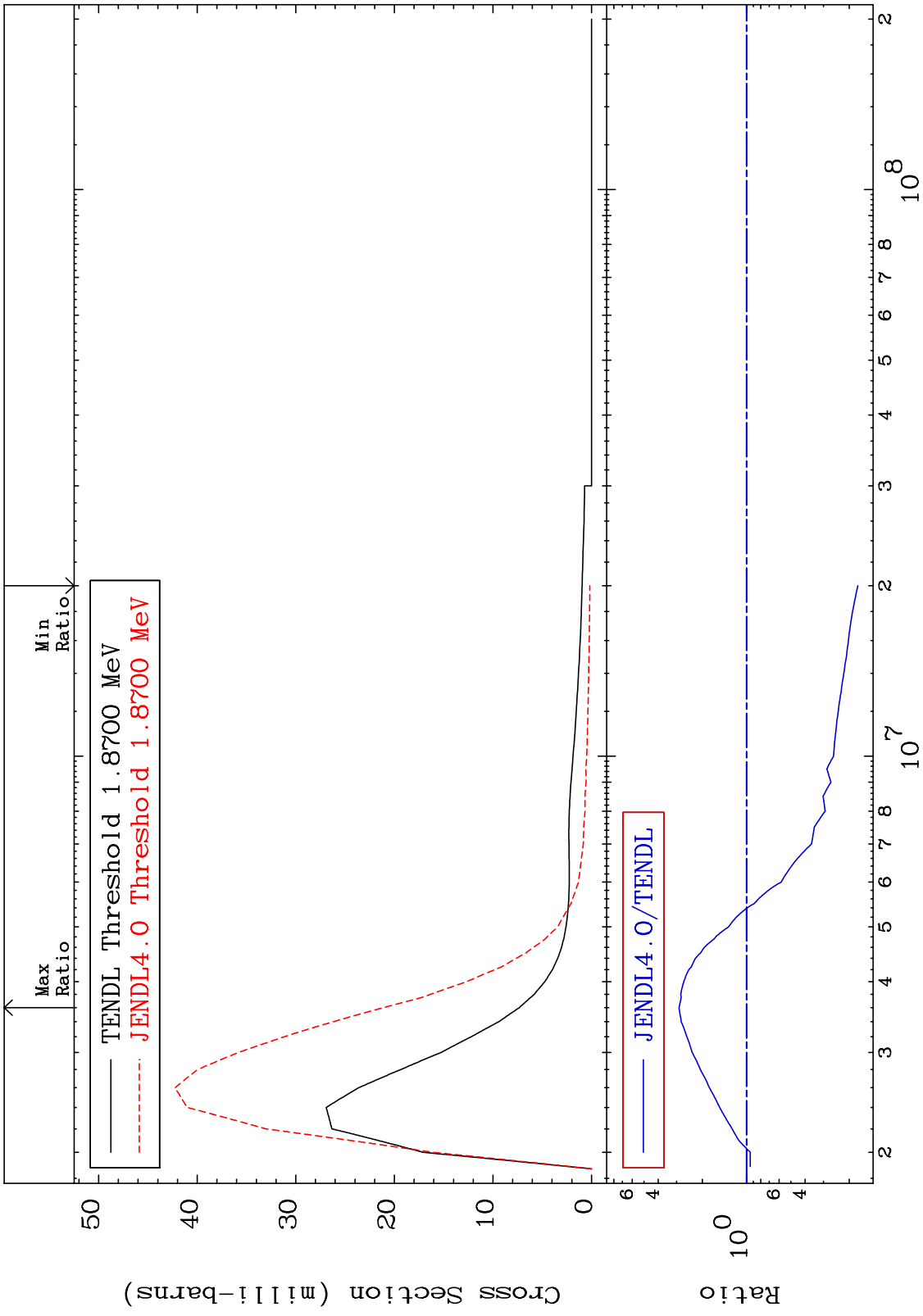
MAT 7043 MT= 77 (n,n') Level Cross Section 70-Yb-174 To 9999. %  
 6.515

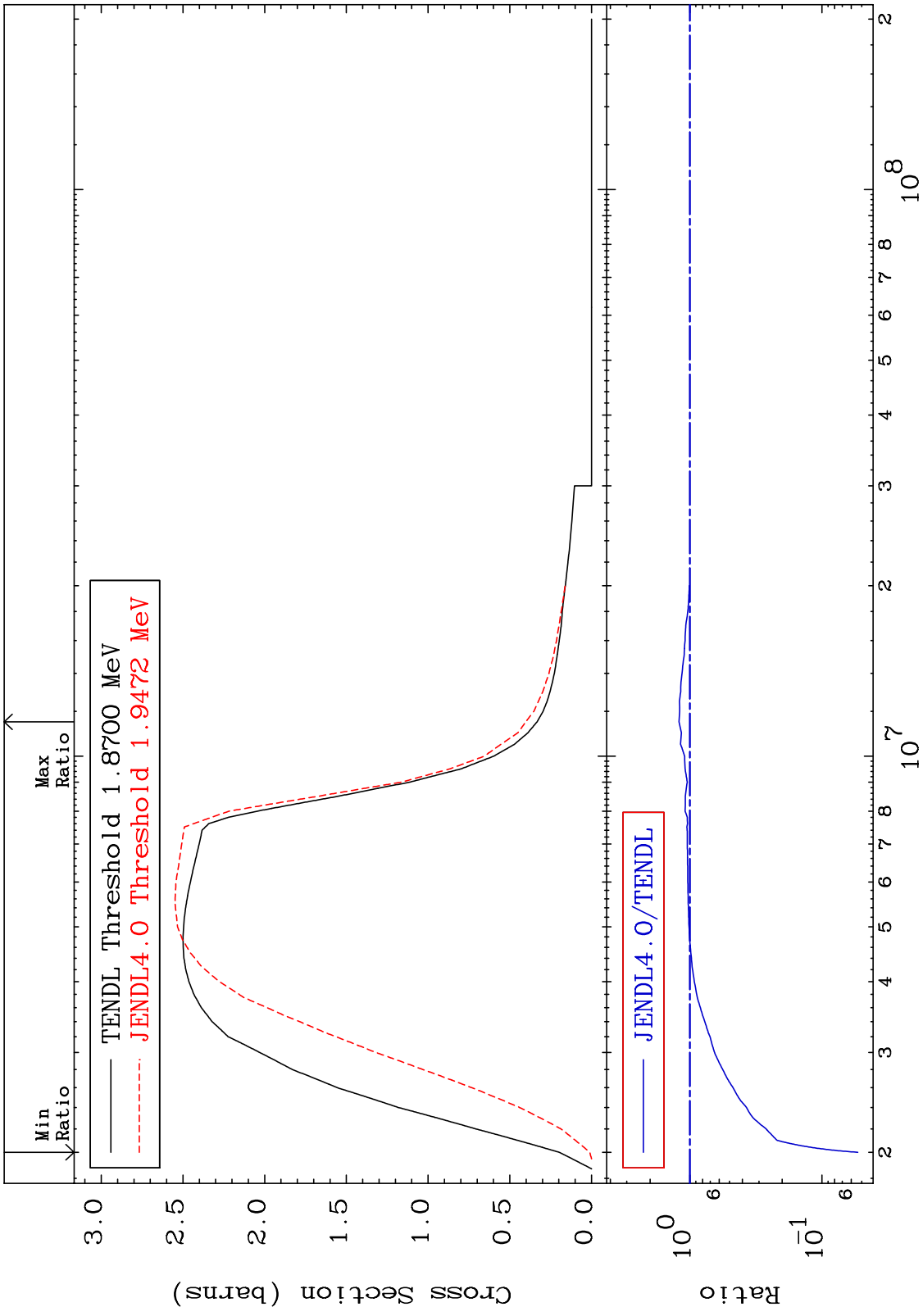


MAT 7043 MT= 78 (n,n') Level Cross Section 70-Yb-174  
 -86.99 To 254.0 %

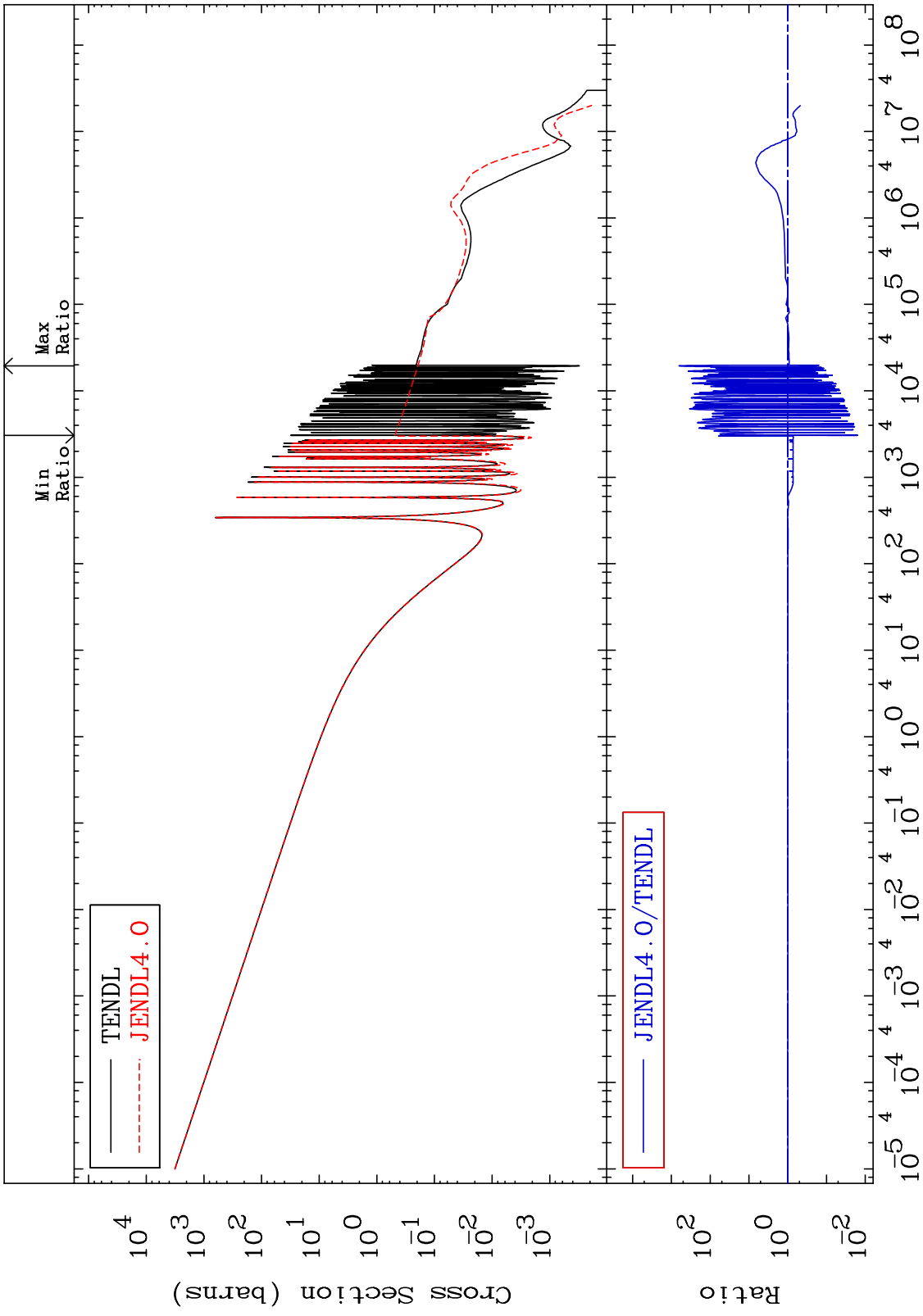


MAT 7043 MT= 79 (n,n') Level Cross Section 70-Yb-174  
 -82.50 To 188.2 %





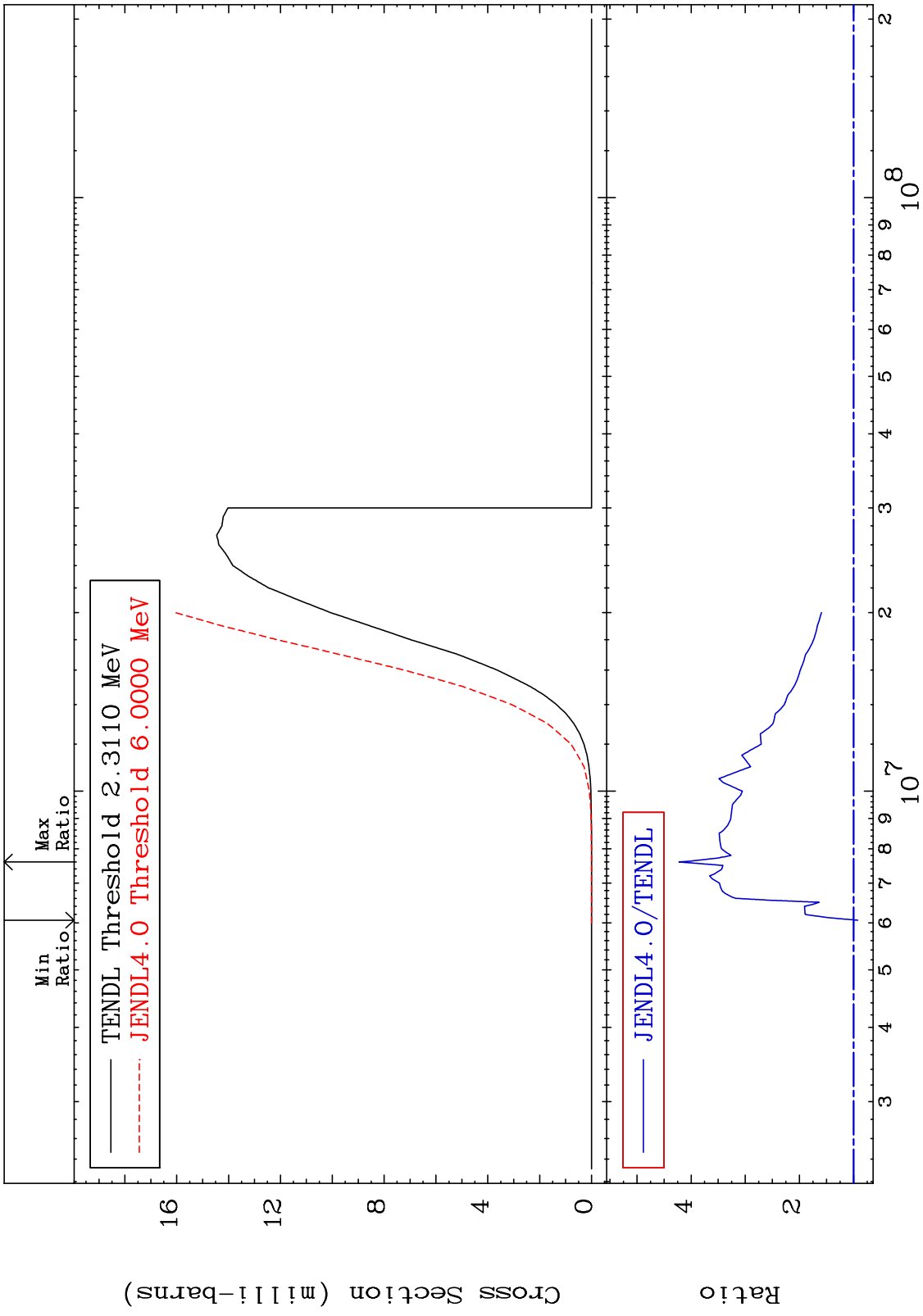
MAT 7043  $(n, \gamma)$  Cross Section  $^{70}\text{Yb-174}$  -98.44 To 9999. %



Incident Energy (eV)  $^{70}\text{Yb-174}$



MAT 7043 (n,p) Cross Section 70-Yb-174 -7.751 To 322.3 %



40 70-Yb-174

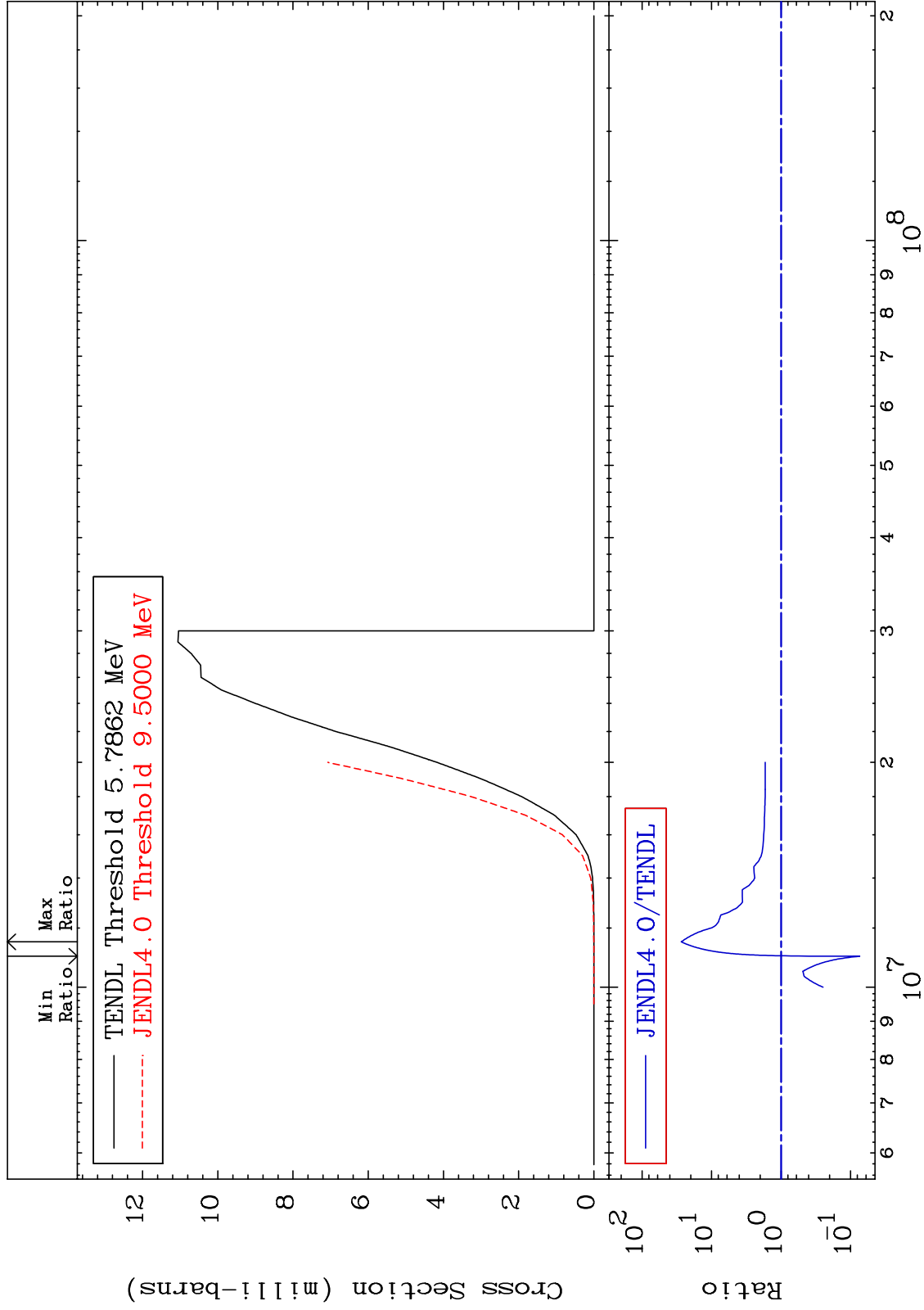
MAT 7043

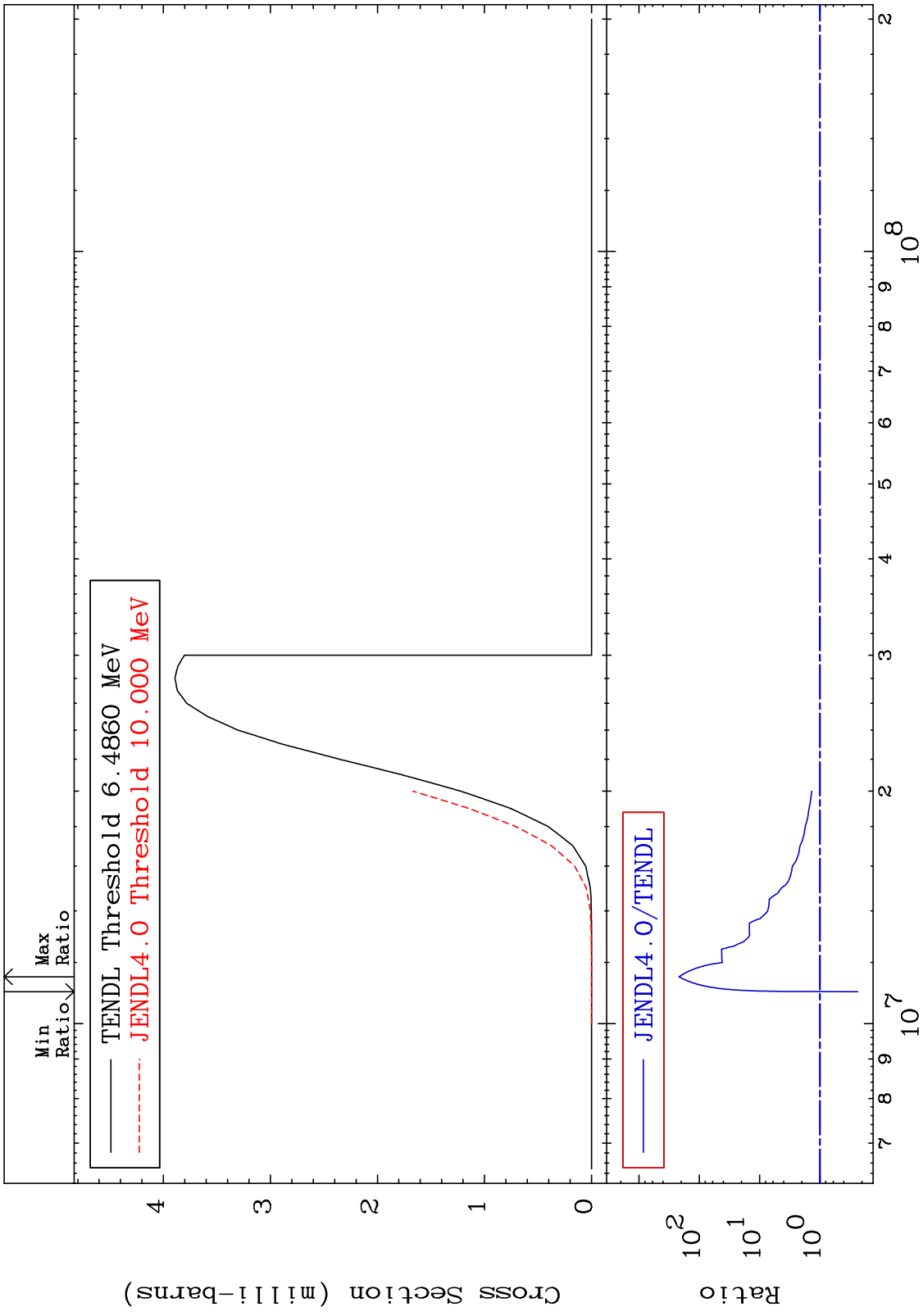
(n,d)

70-Yb-174

Cross Section

-92.63 To 2636. %





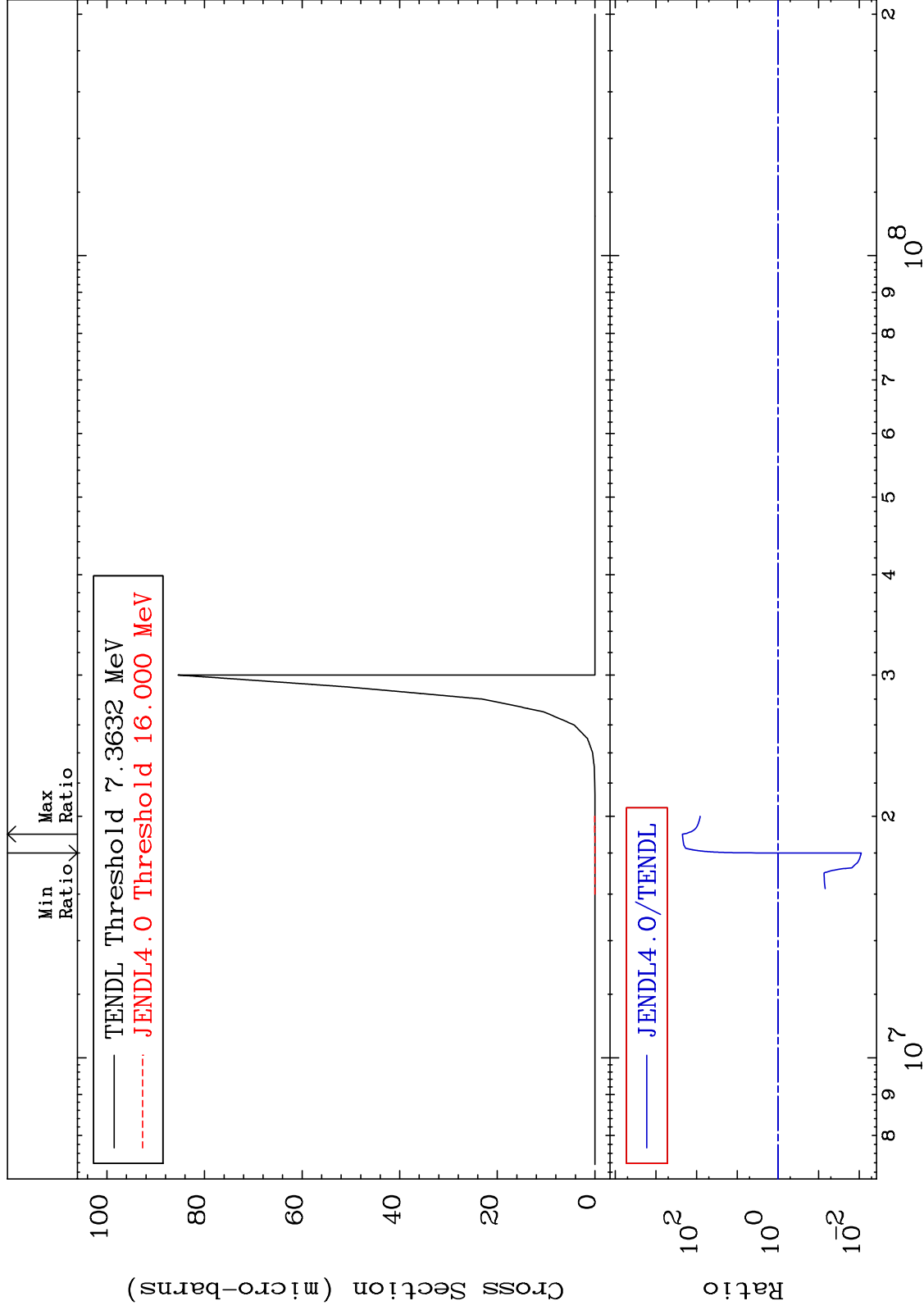
MAT 7043

(n, He-3)

70-Yb-174

Cross Section

-99.10 To 9999. %

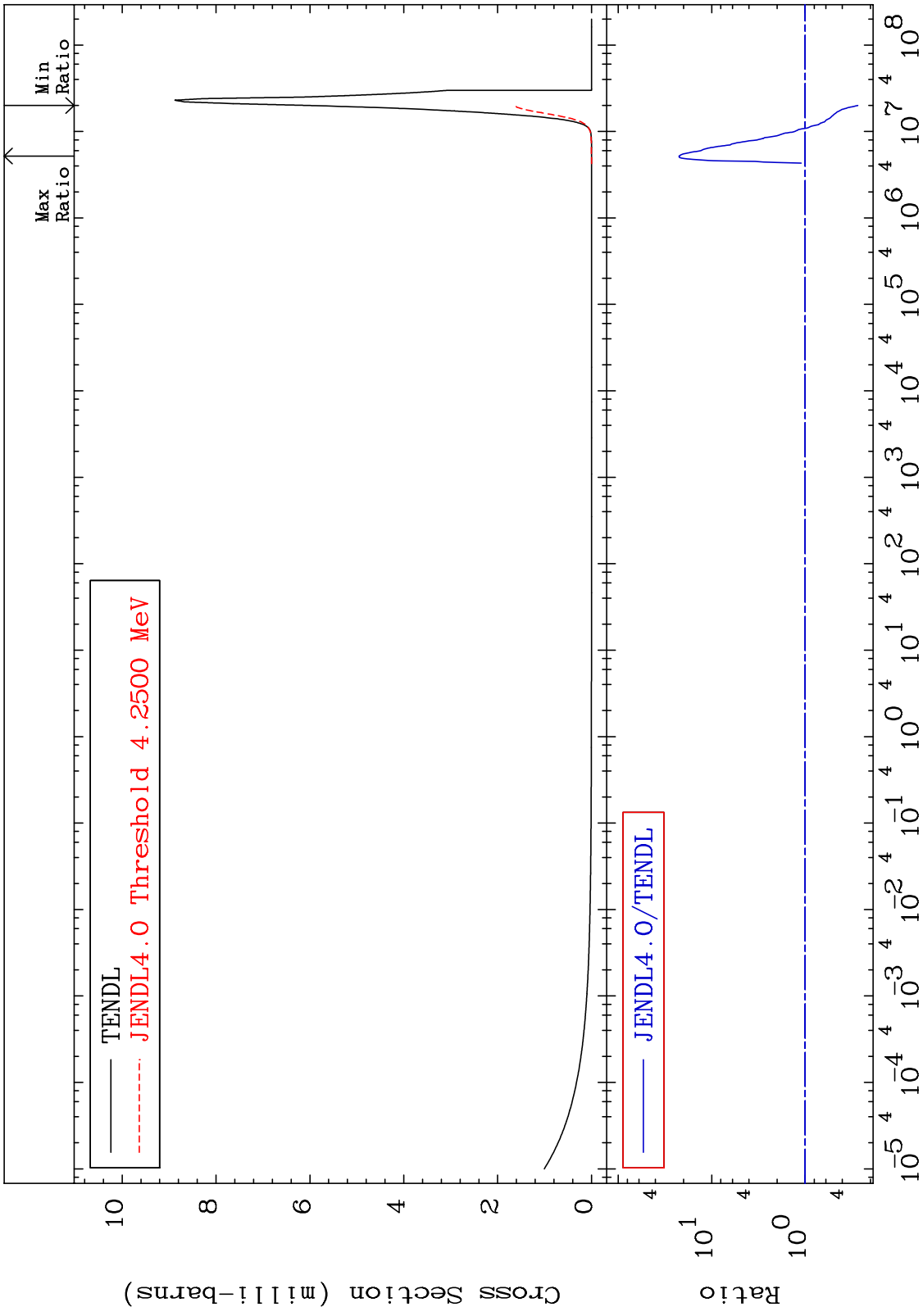


43

Incident Energy (eV)

70-Yb-174

MAT 7043  $(n, \alpha)$  Cross Section  $^{70}\text{Yb-174}$   
 -72.68 To 2136. %

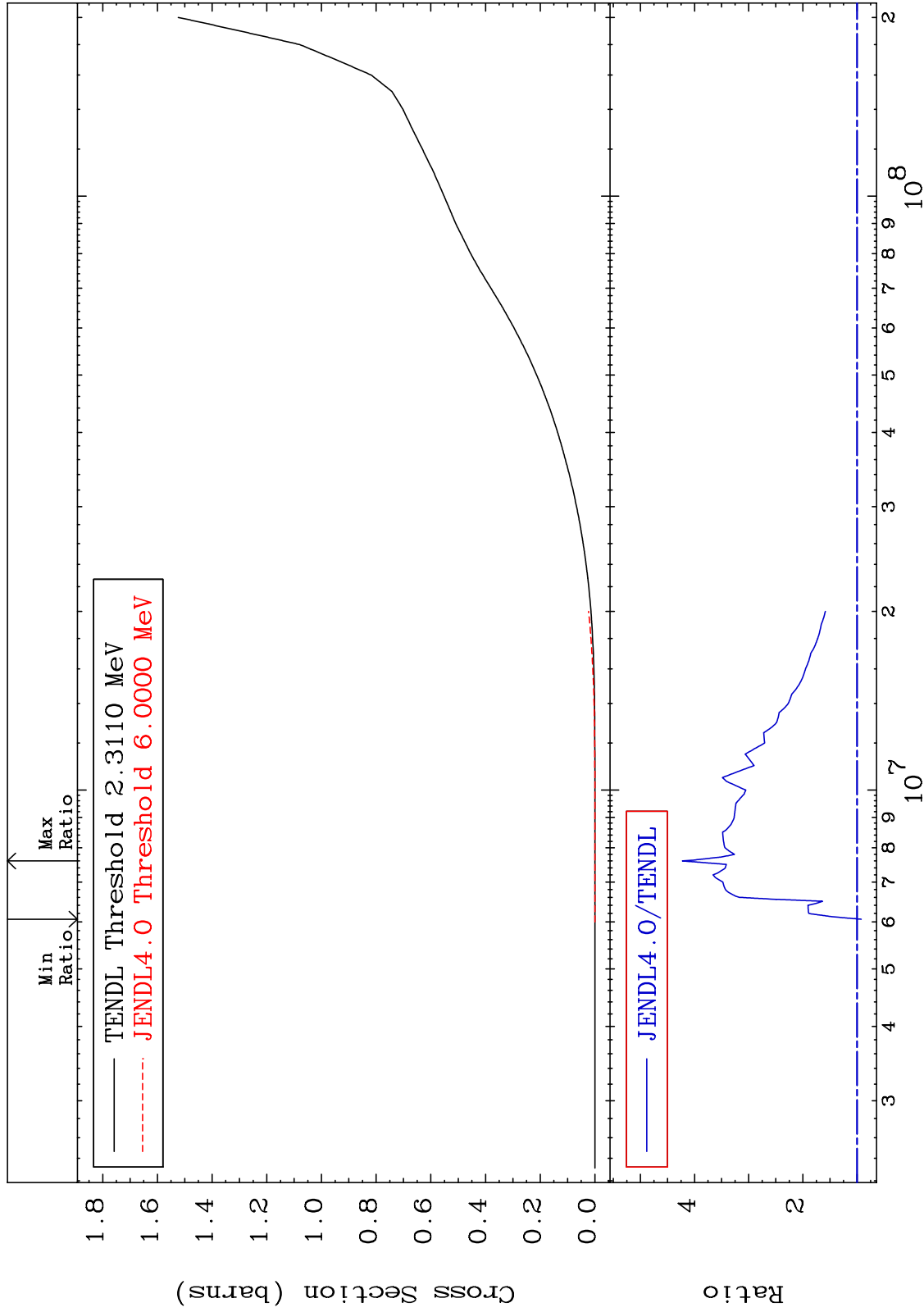


44  $^{70}\text{Yb-174}$

MAT 7043

Hydrogen Production  
Cross Section

70-Yb-174  
-7.751 To 322.3 %



45

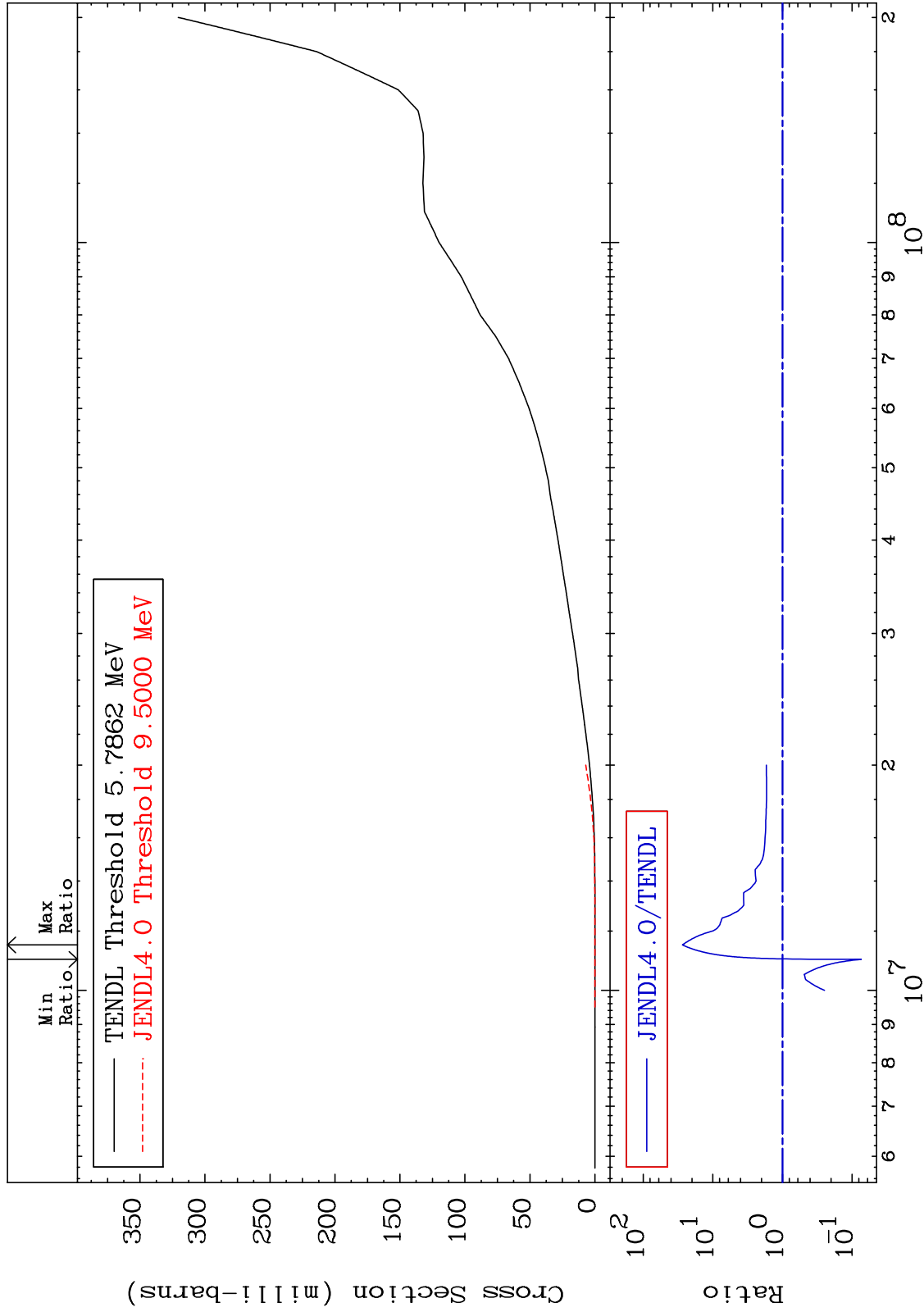
Incident Energy (eV)

70-Yb-174

MAT 7043

Deuterium Production  
Cross Section

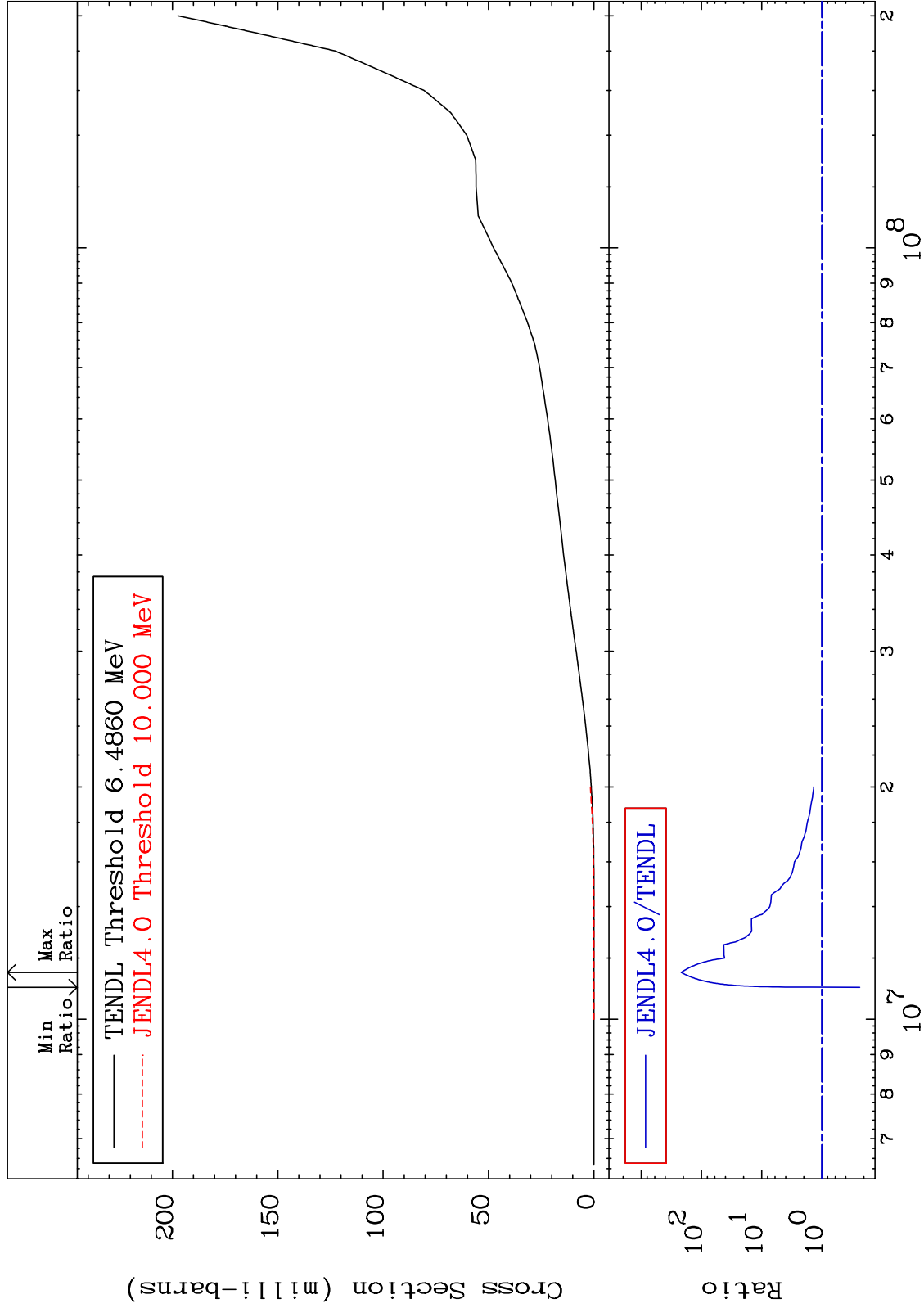
70-Yb-174  
-92.63 To 2636. %



MAT 7043

Tritium Production  
Cross Section

<sup>70</sup>-Yb-174  
-76.53 To 9999. %



47

Incident Energy (eV)

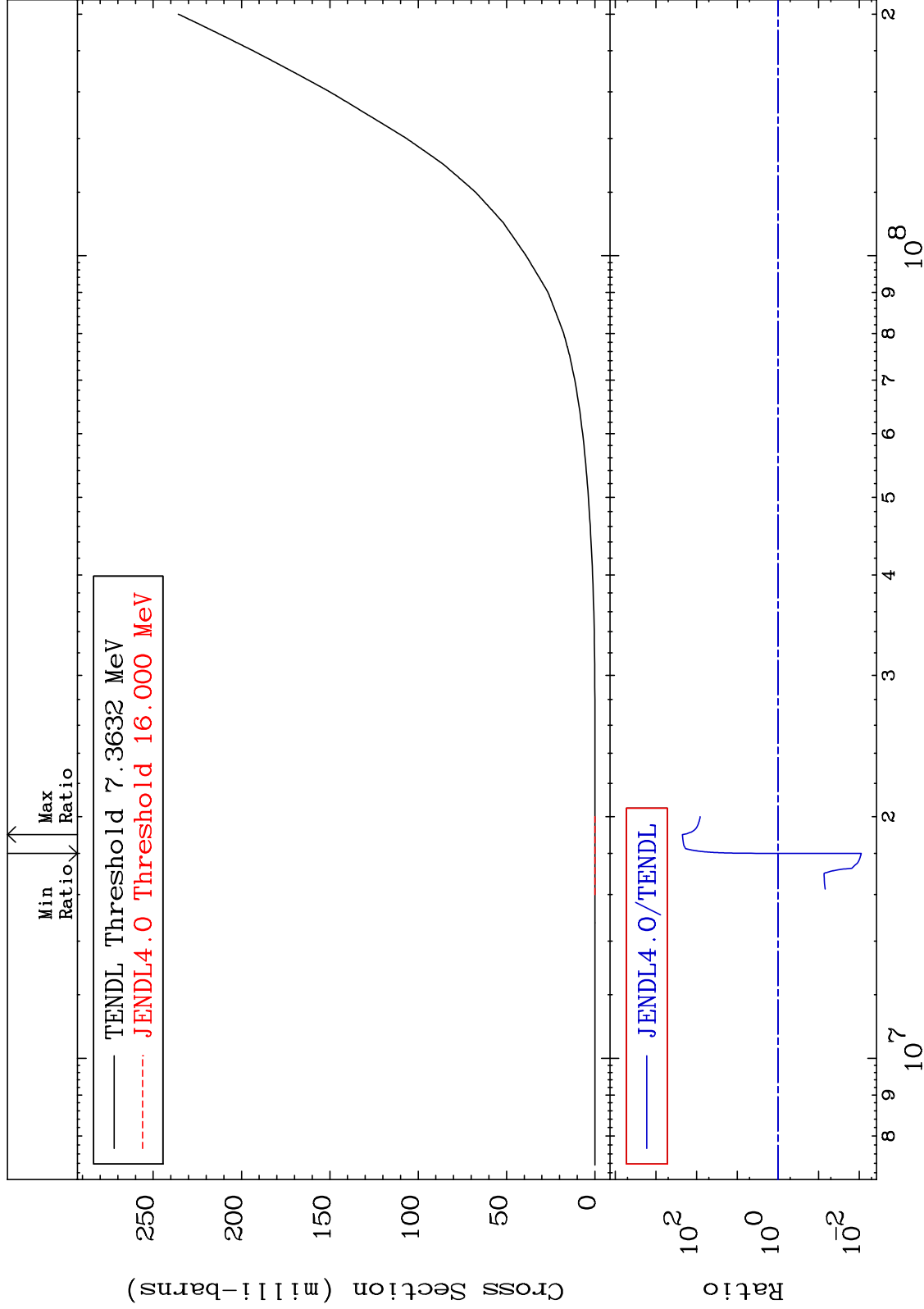
<sup>70</sup>-Yb-174



MAT 7043

He-3 Production  
Cross Section

70-Yb-174  
-99.10 To 9999. %



48

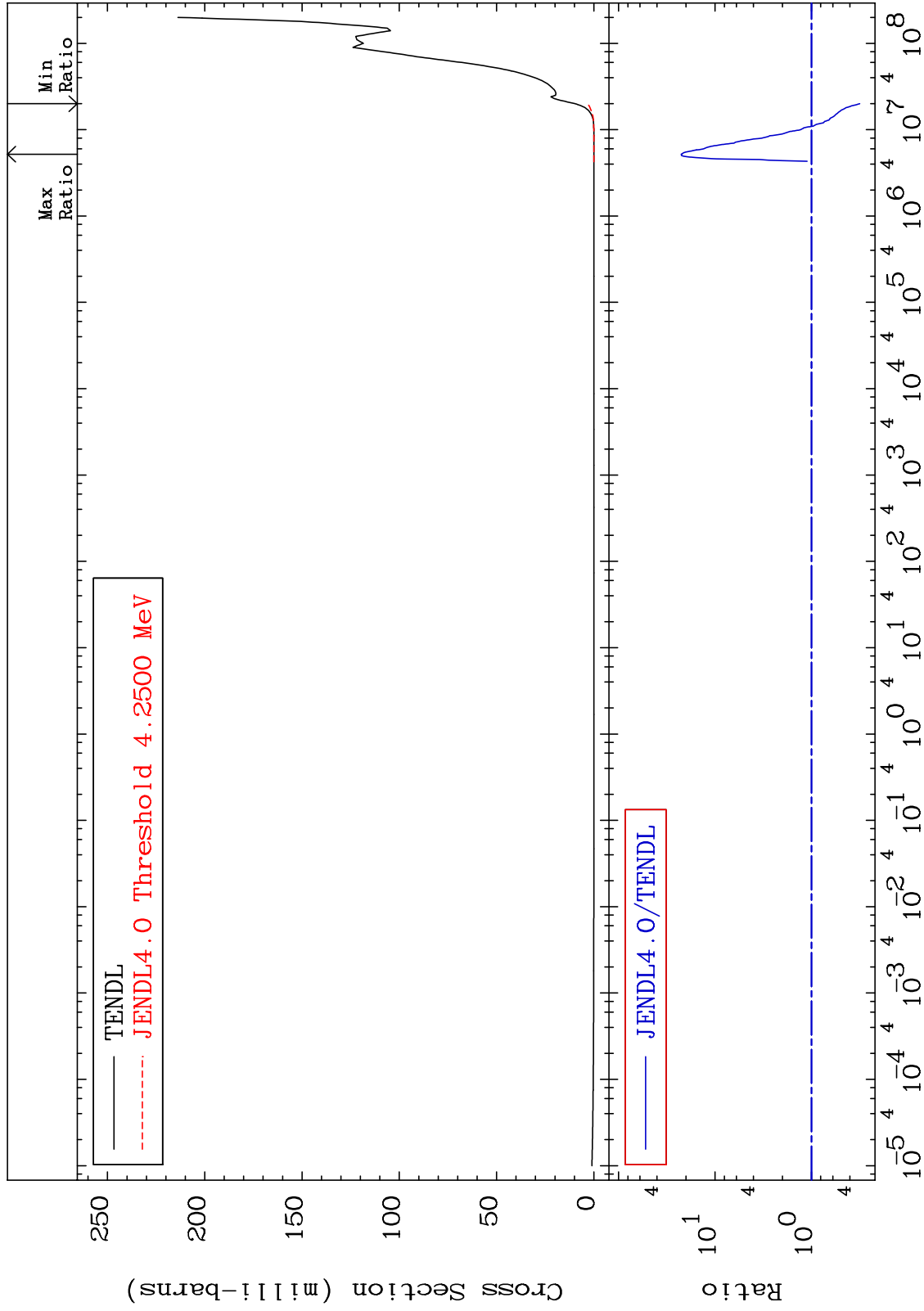
Incident Energy (eV)

70-Yb-174

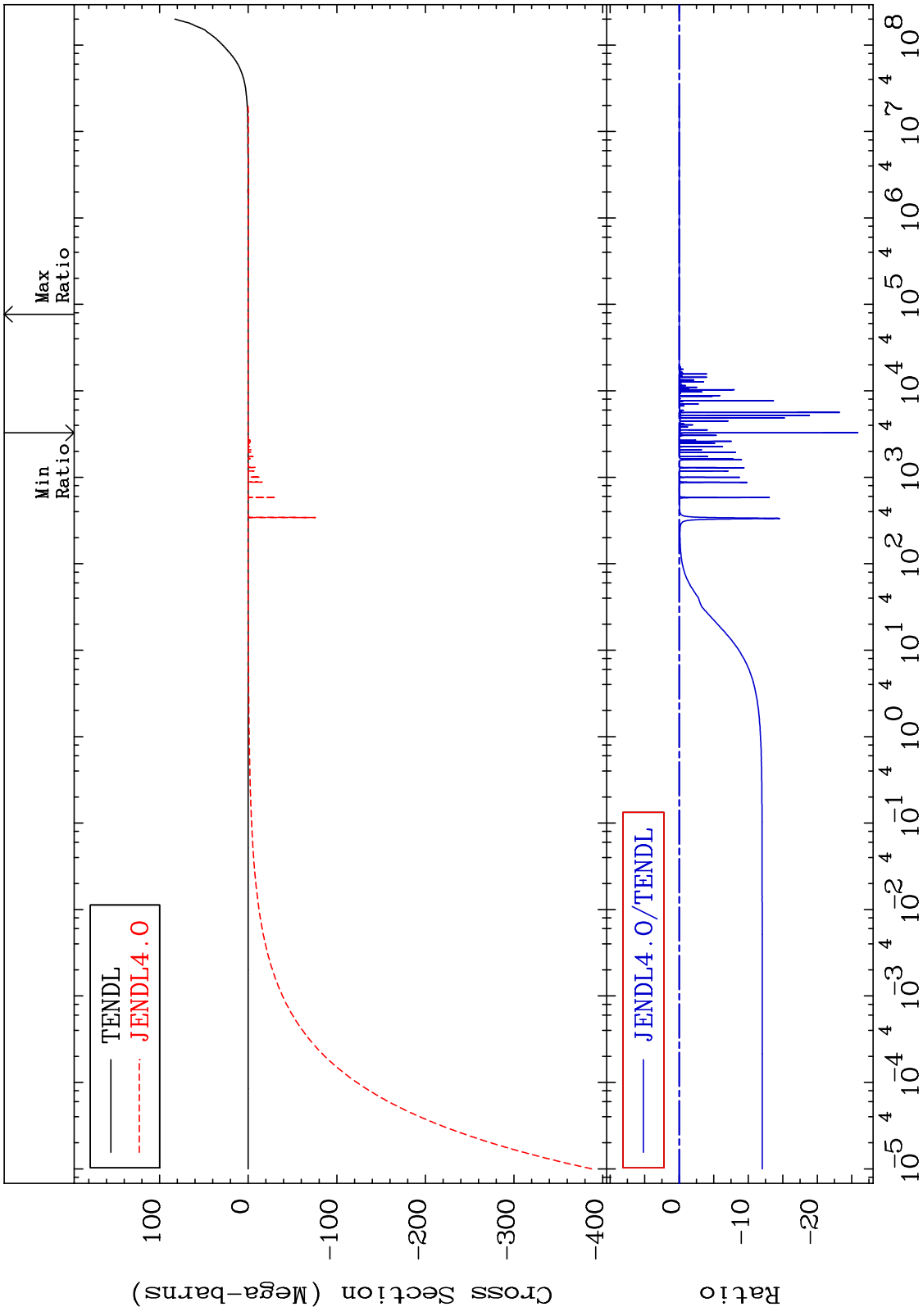
MAT 7043

He-4 Production  
Cross Section

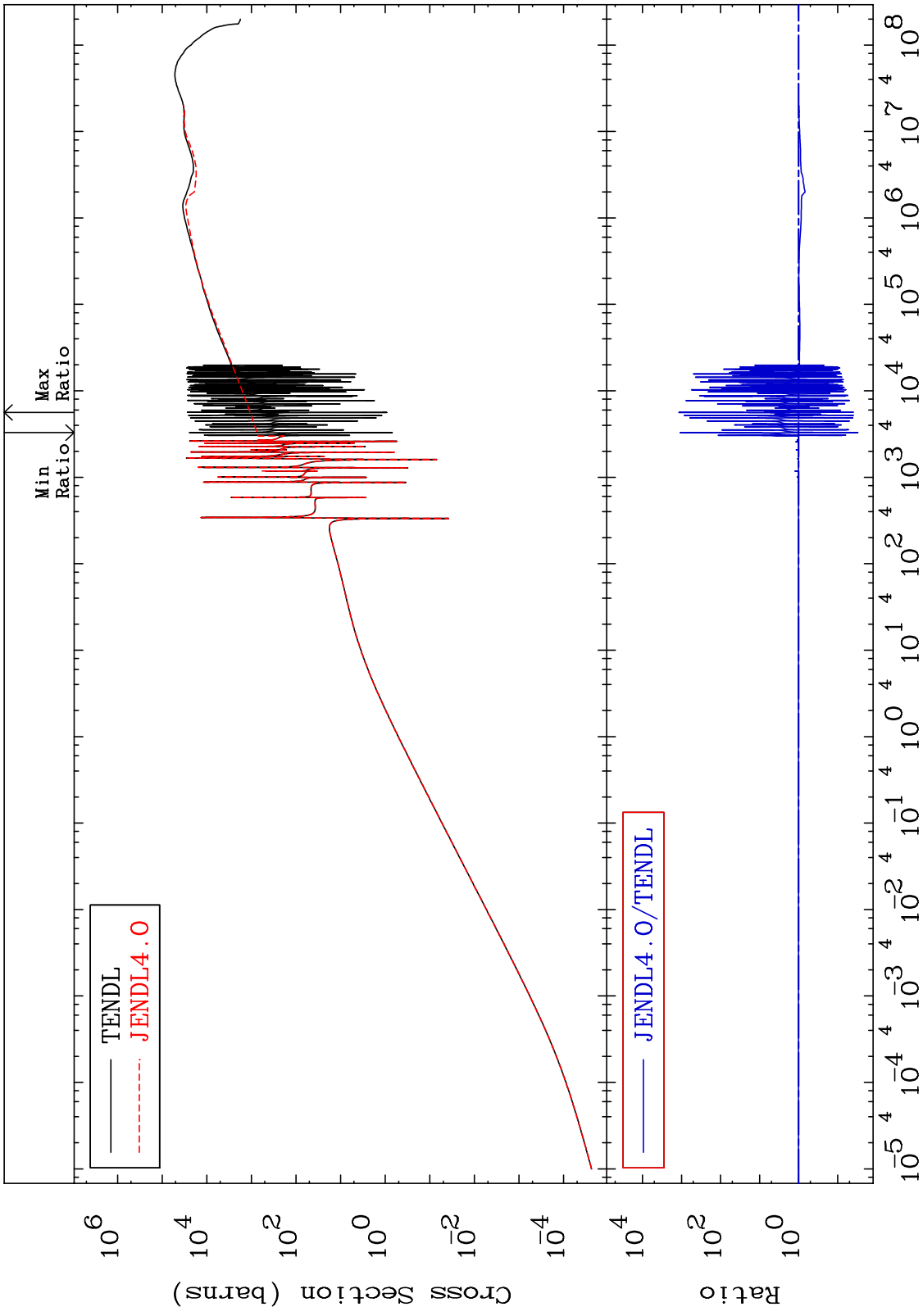
70-Yb-174  
-68.48 To 2136. %



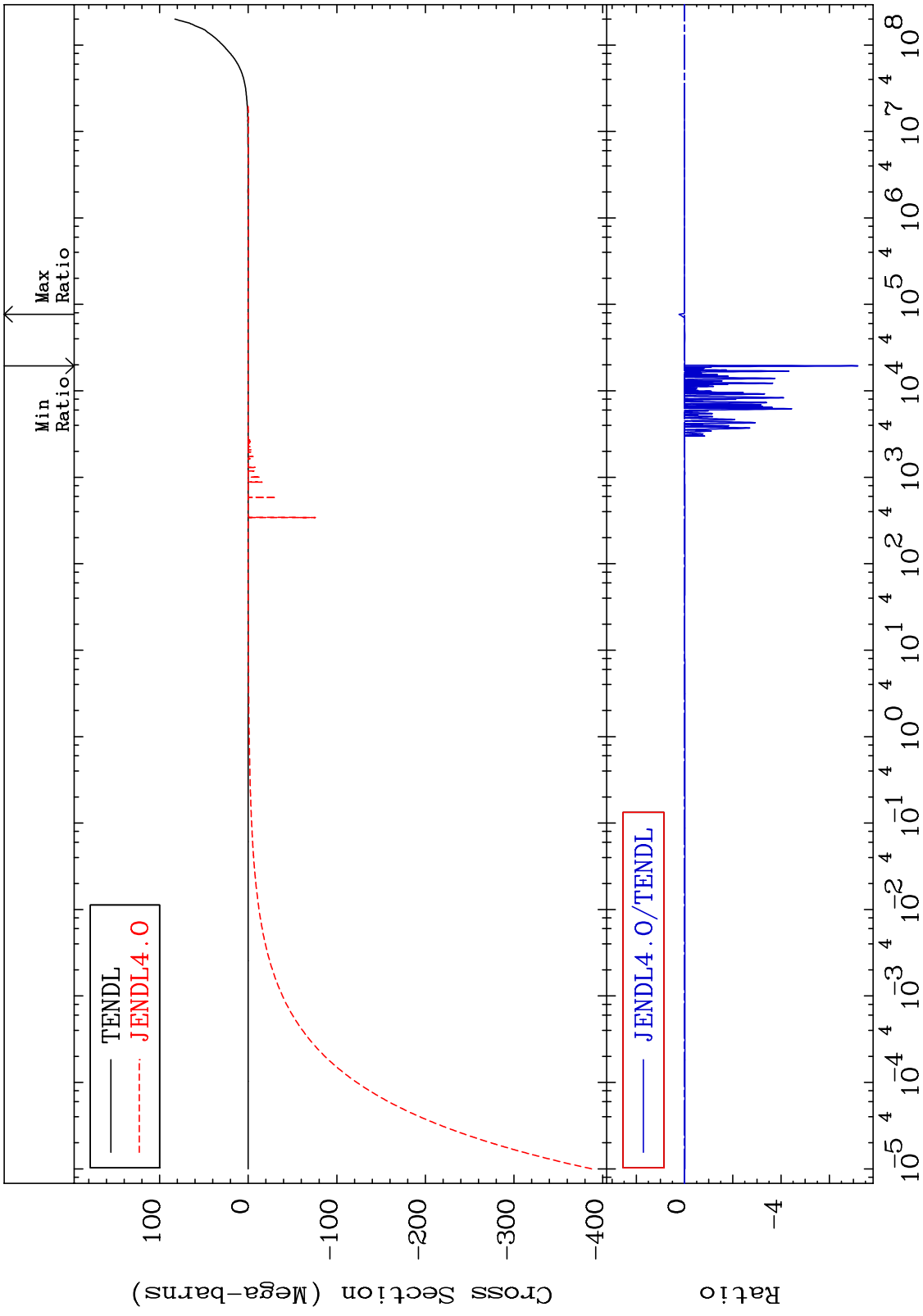
MAT 7043 Kerma total (eV-barns) 70-Yb-174  
 Cross Section -9999. To 2482. %



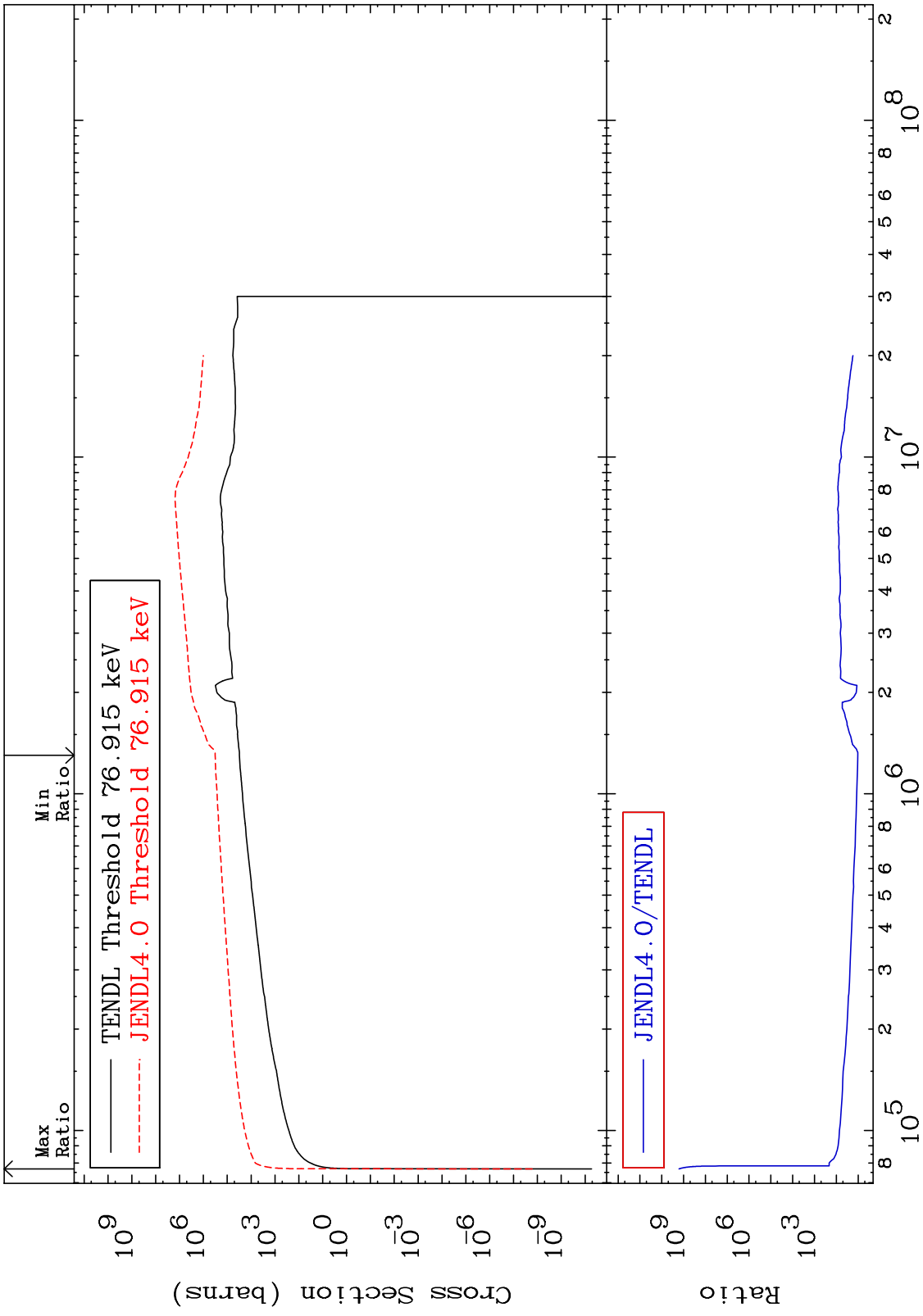
MAT 7043      Kerma elastic Cross Section      70-Yb-174  
 -96.95 To 9999. %



MAT 7043 Kerma non-elastic (all but mt2) 70-Yb-174  
 Cross Section -9999. To 9999. %



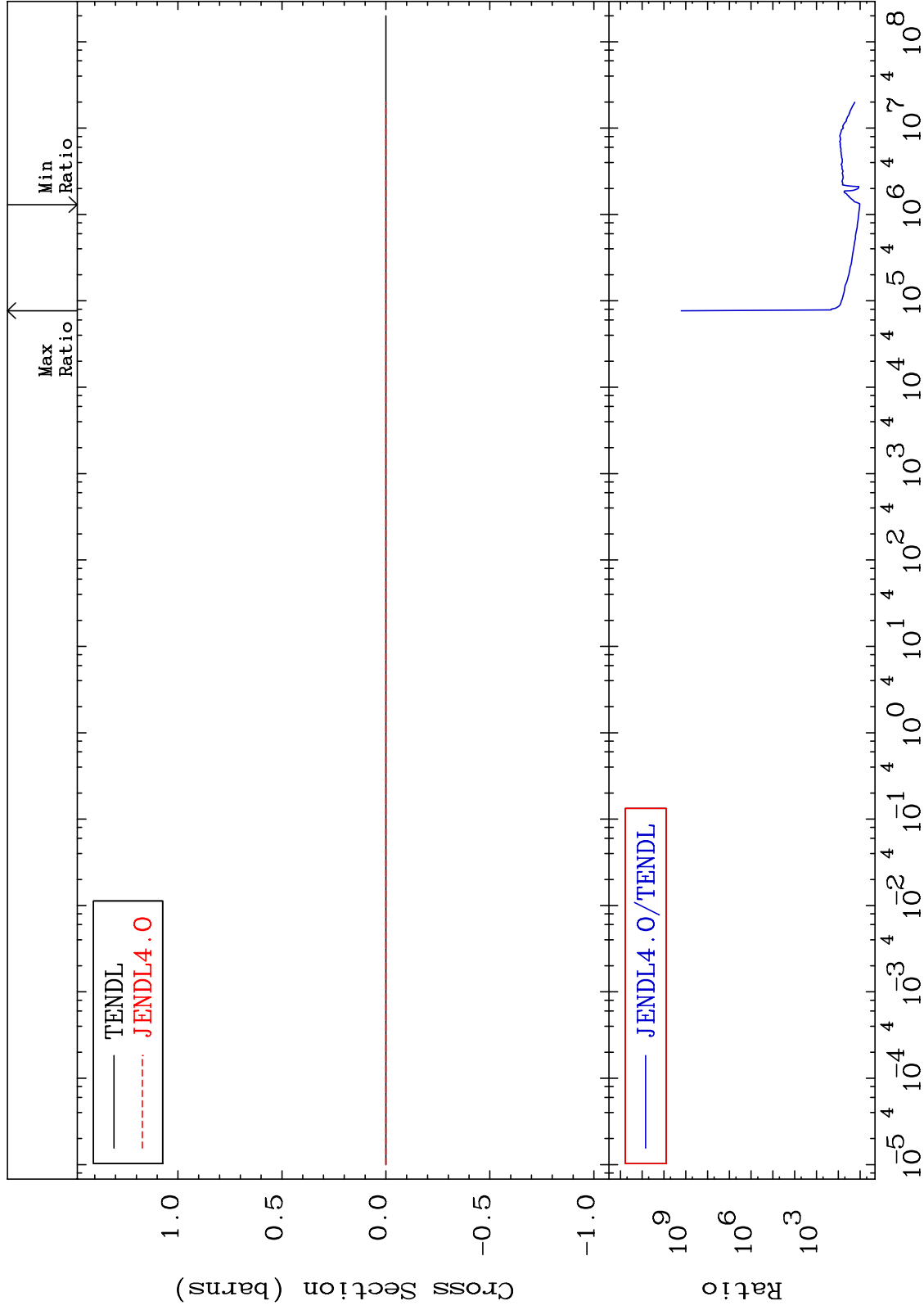
MAT 7043 Kerma inelastic (mt51-91) 70-Yb-174  
 Cross Section 931.9 To 9999. %



MAT 7043

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

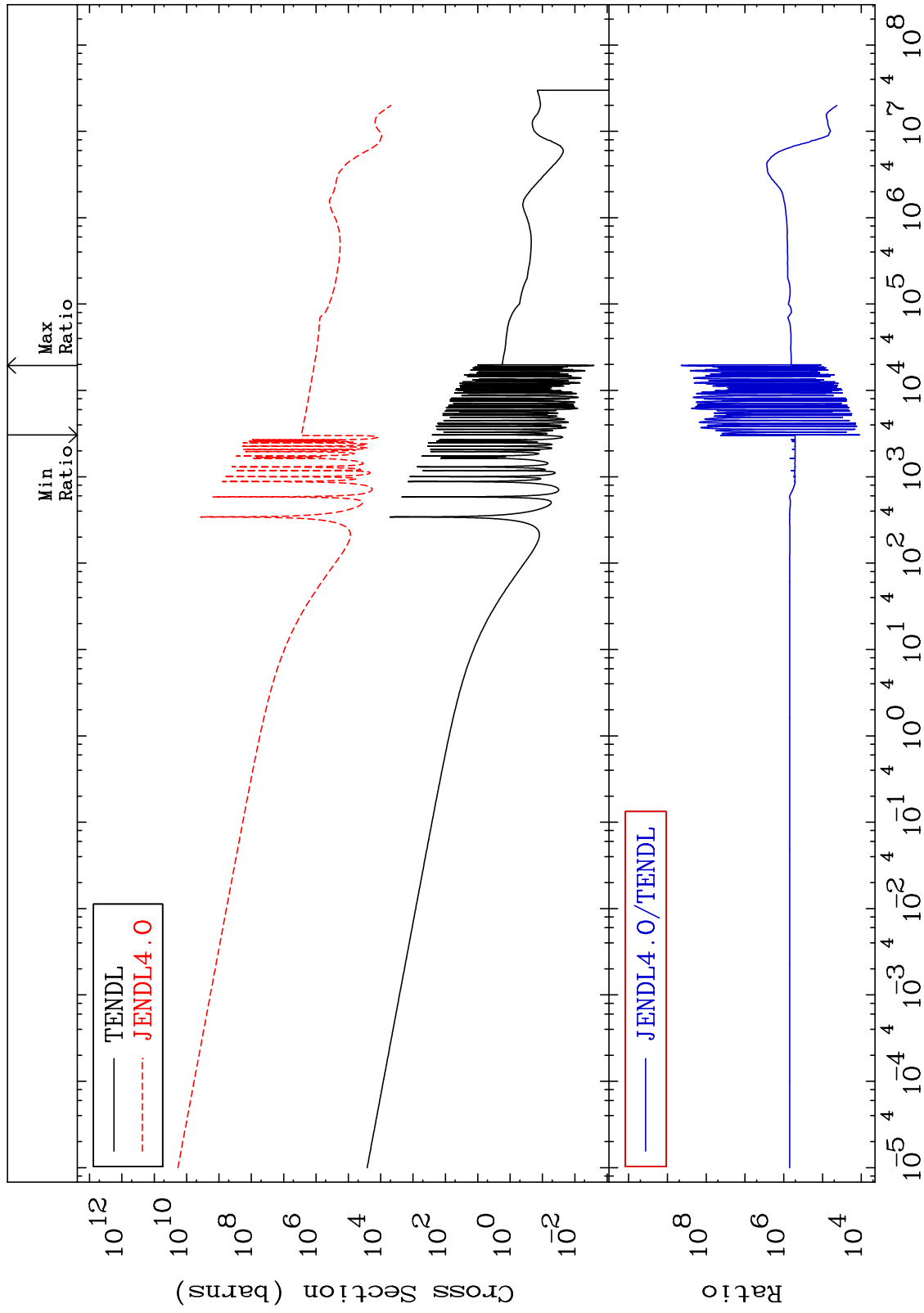
70-Yb-174  
931.9 To 9999. %



MAT 7043

Kerma capture (mt102)  
Cross Section

70-Yb-174  
9999. To 9999. %



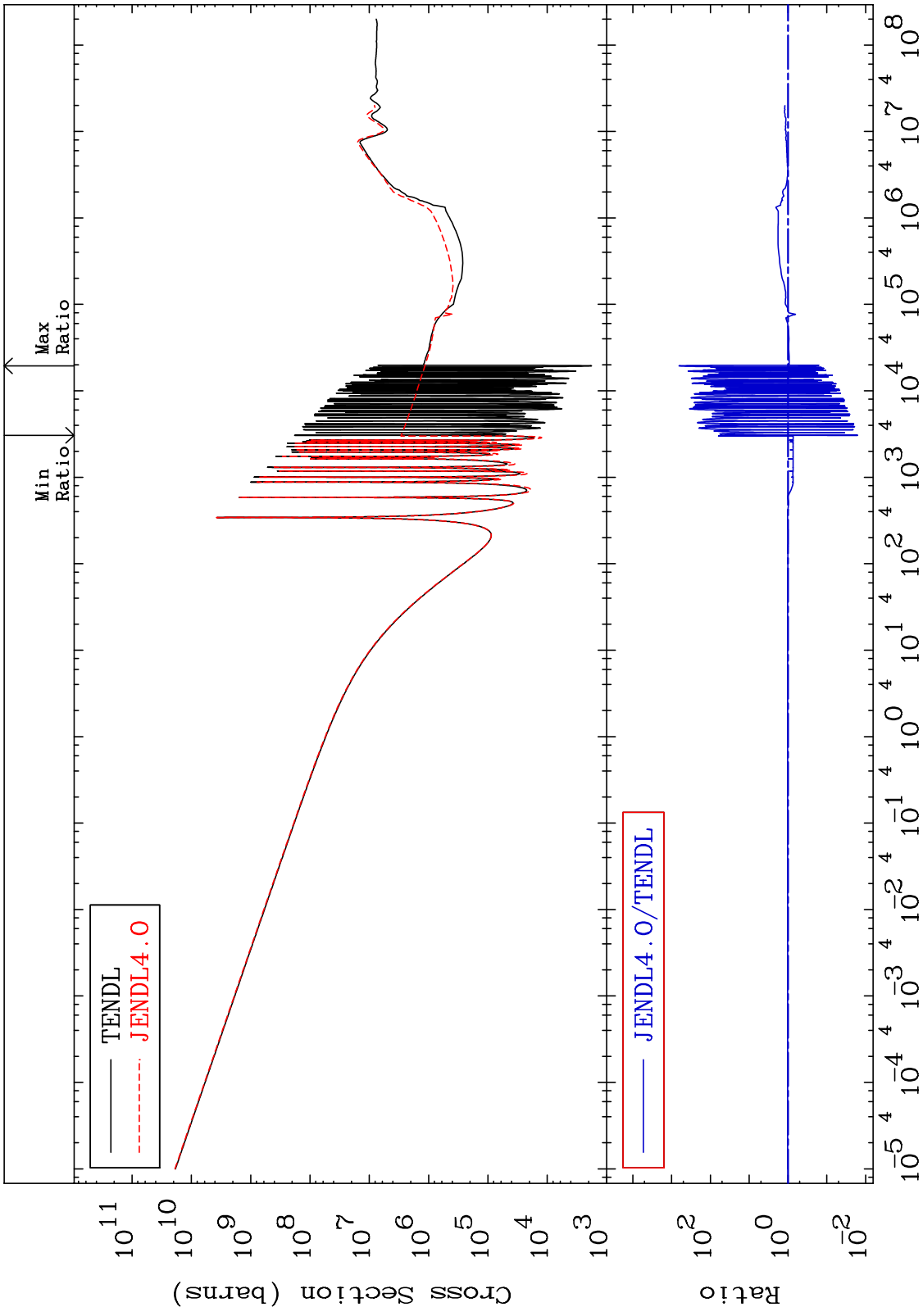
55

Incident Energy (eV)

70-Yb-174



MAT 7043 70-Yb-174  
-98.41 To 9999. %  
 Total photon (eV-barns)  
 Cross Section

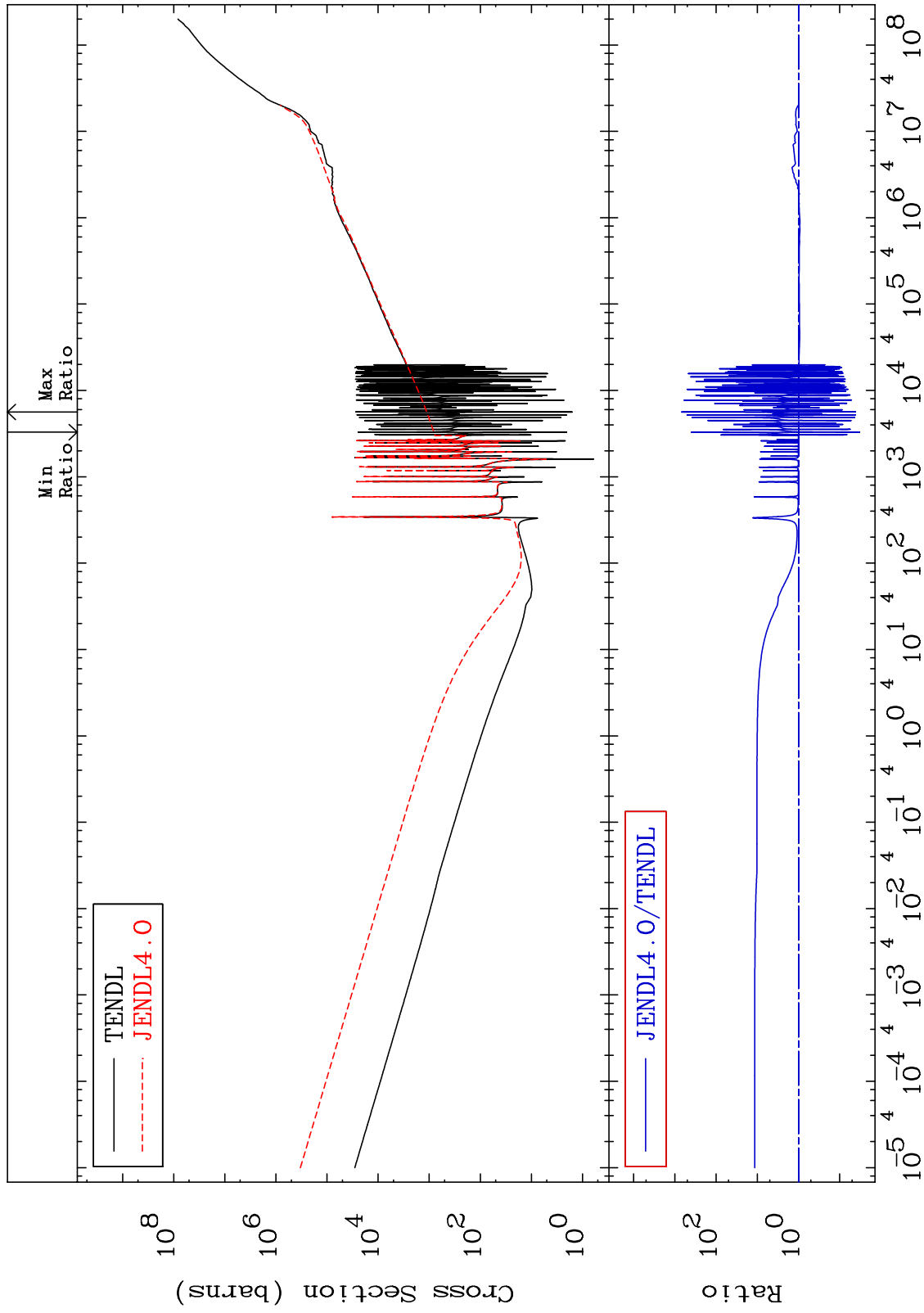


56 70-Yb-174

MAT 7043

Total kinematic kerma (high limit)  
Cross Section

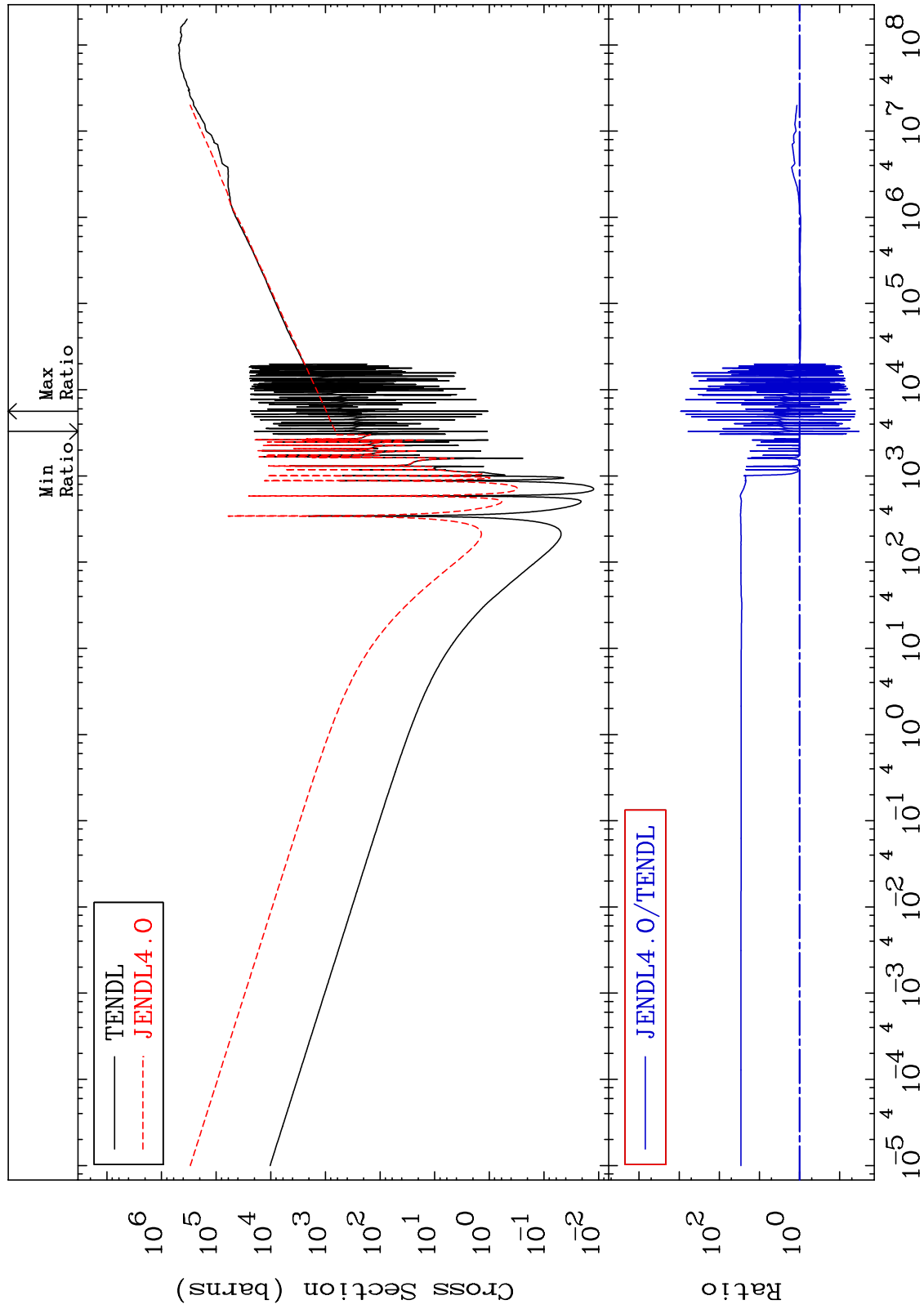
70-Yb-174  
-96.73 To 9999. %



MAT 7043

Dpa total (eV-barns)  
Cross Section

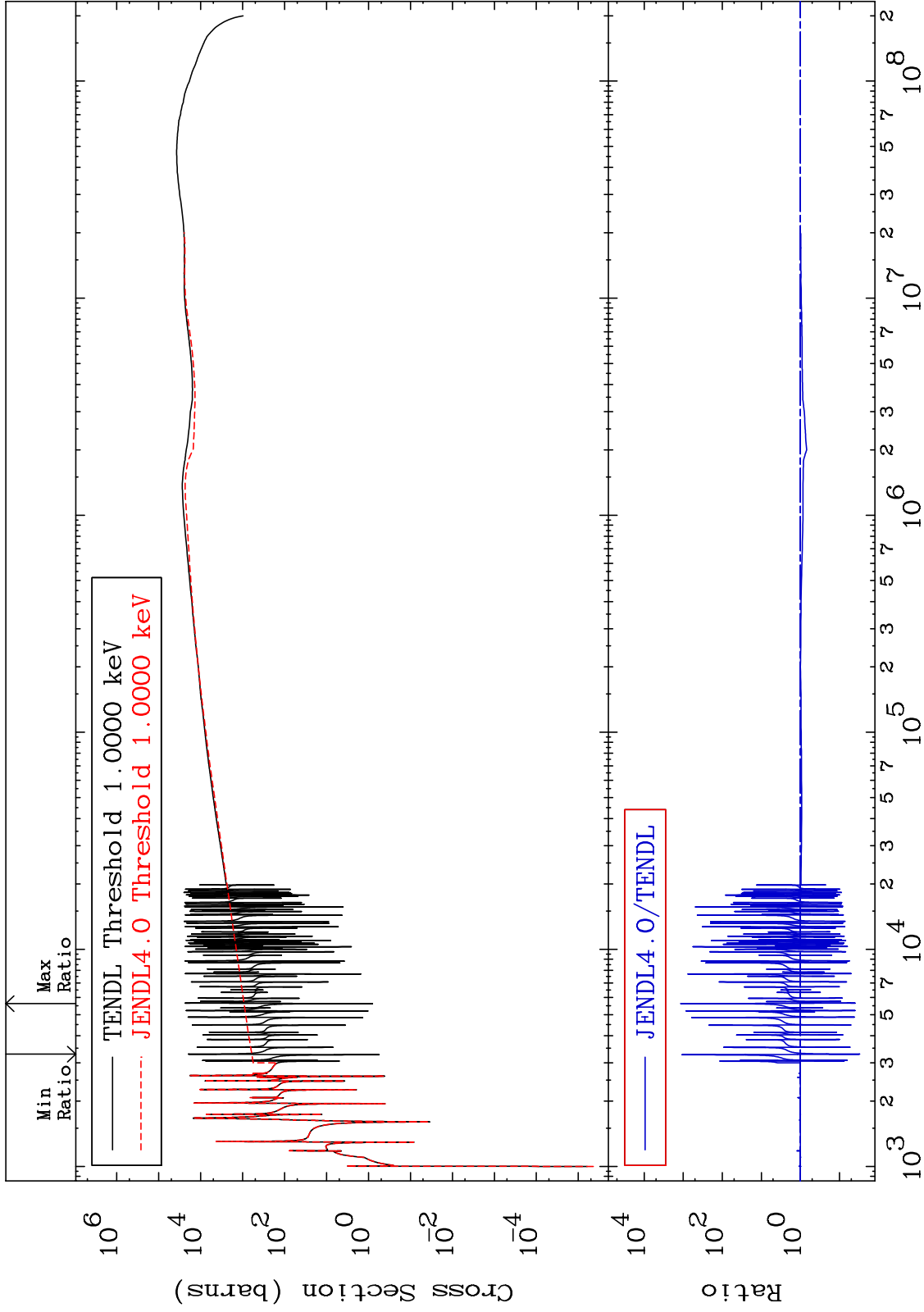
70-Yb-174  
-96.71 To 9999. %



MAT 7043

Dpa elastic (mt2)  
Cross Section

70-Yb-174  
-96.96 To 9999. %

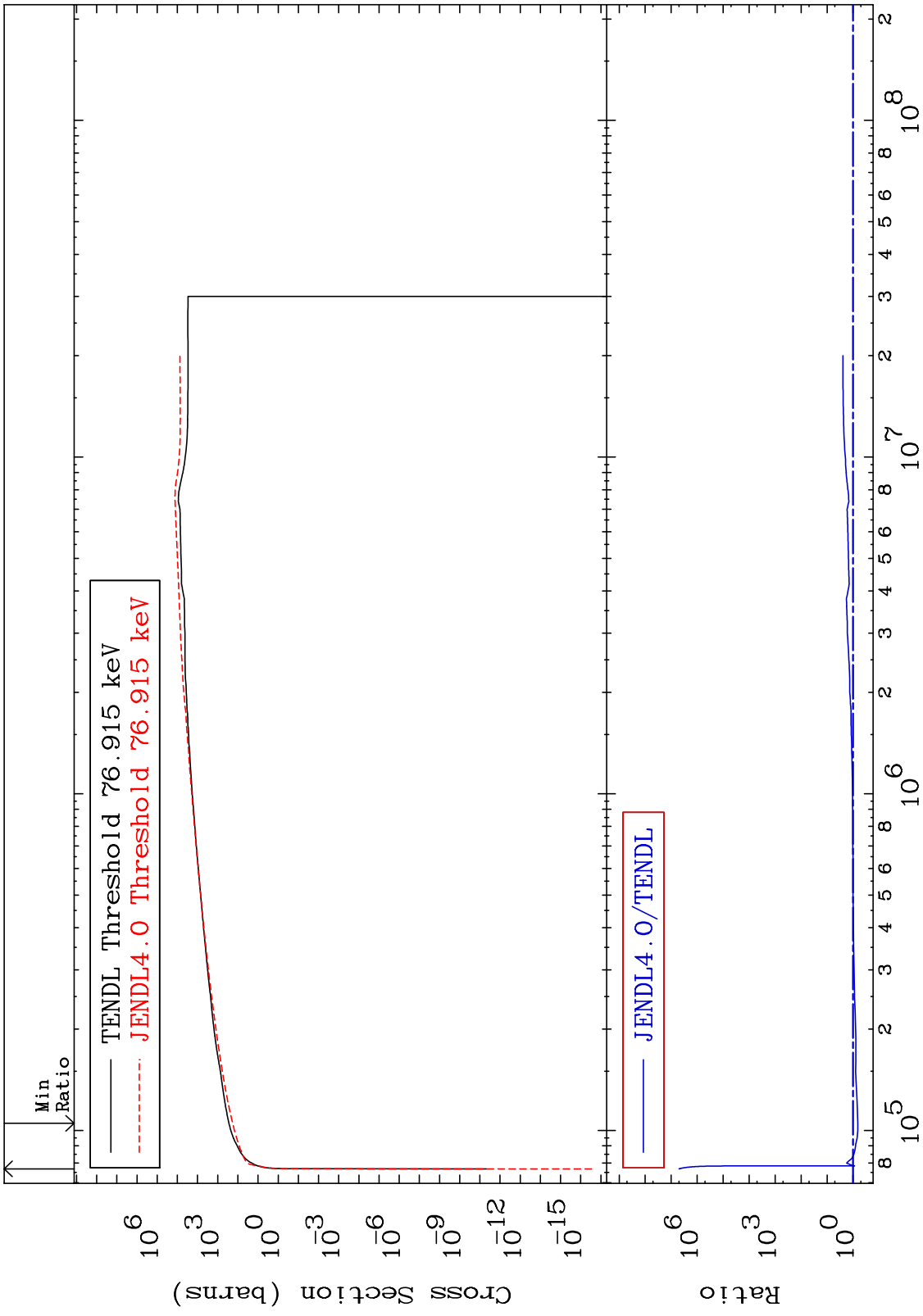


59

Incident Energy (eV)

70-Yb-174

MAT 7043      Dpa inelastic (mt51-91)      70-Yb-174  
Cross Section      -34.38 To 9999. %

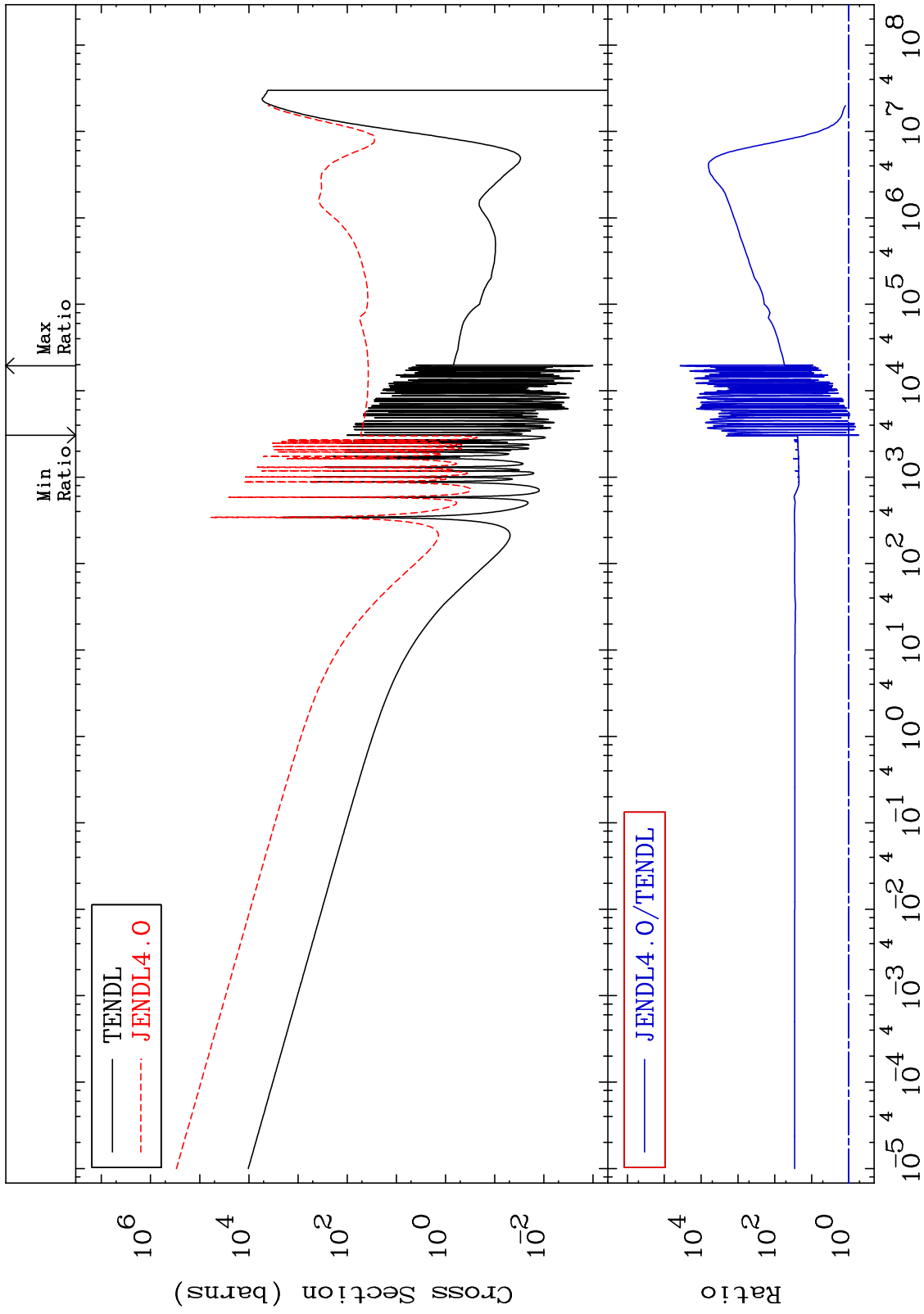


60      70-Yb-174

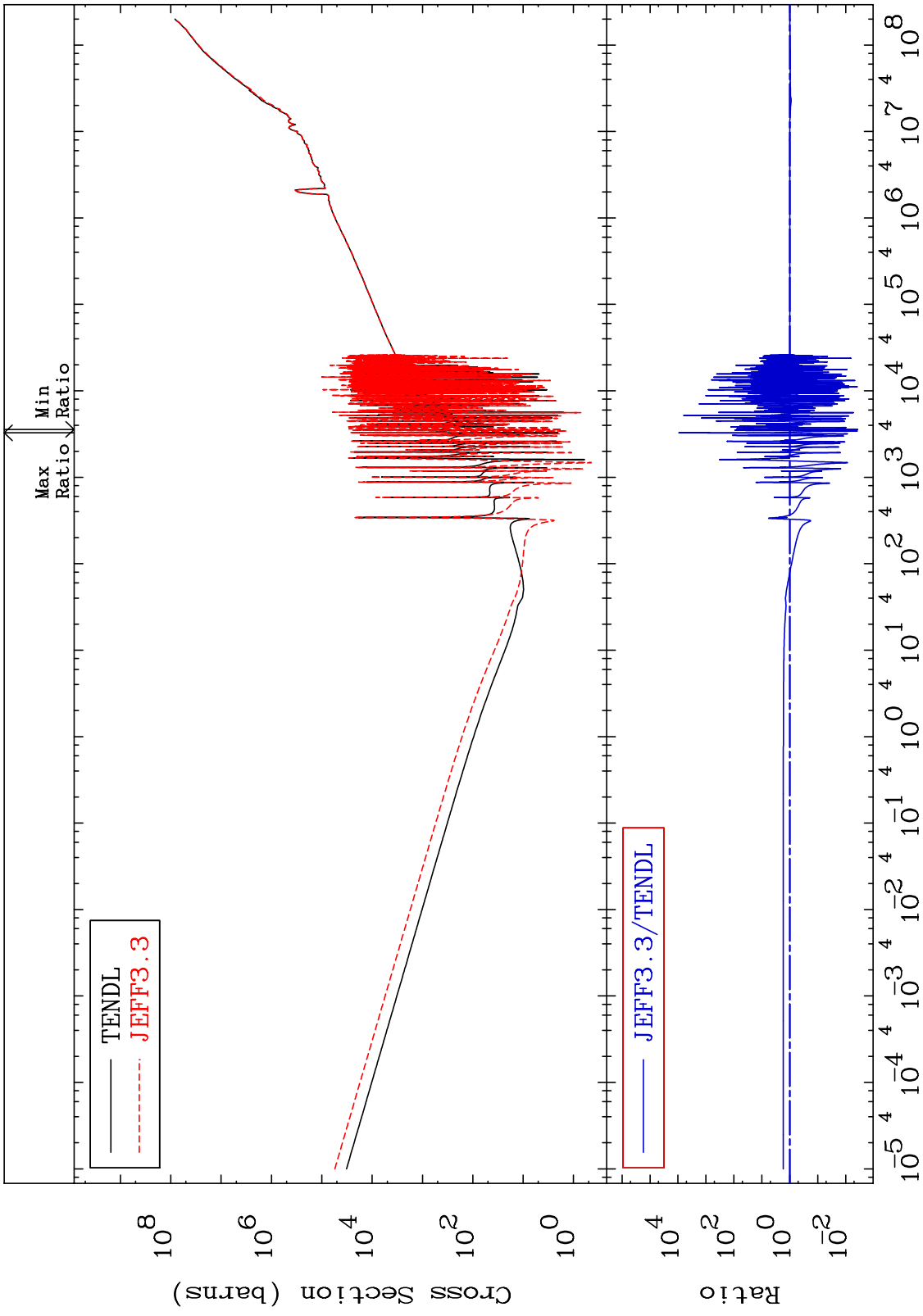
MAT 7043

Dpa disappearance (mt102 -120)  
Cross Section

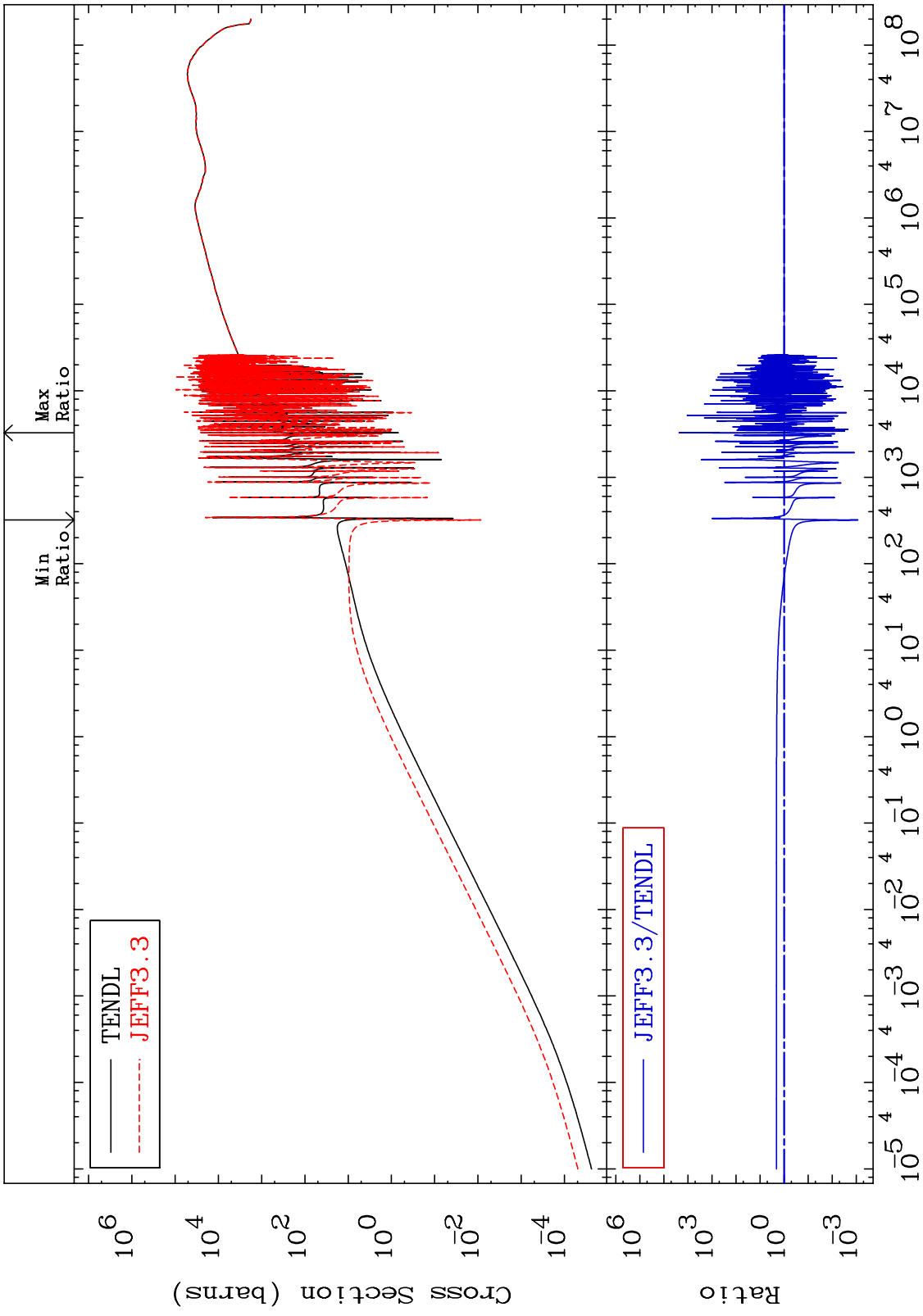
70-Yb-174  
-47.79 To 9999. %



MAT 7043 Kerma total (eV-barns) 70-Yb-174  
Cross Section -99.63 To 9999. %

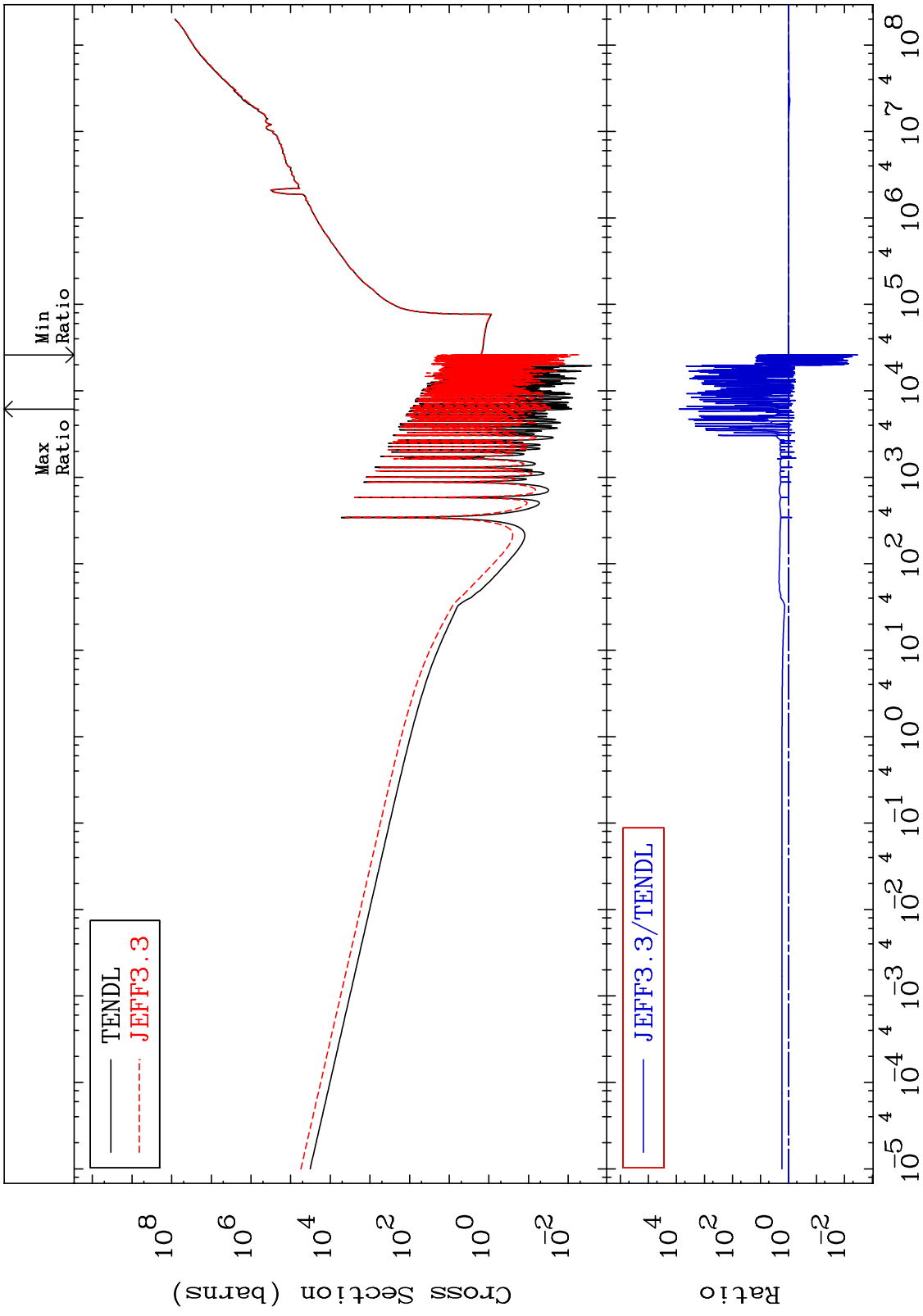


MAT 7043  
Kerma elastic Cross Section  
70-Yb-174  
-99.91 To 9999. %





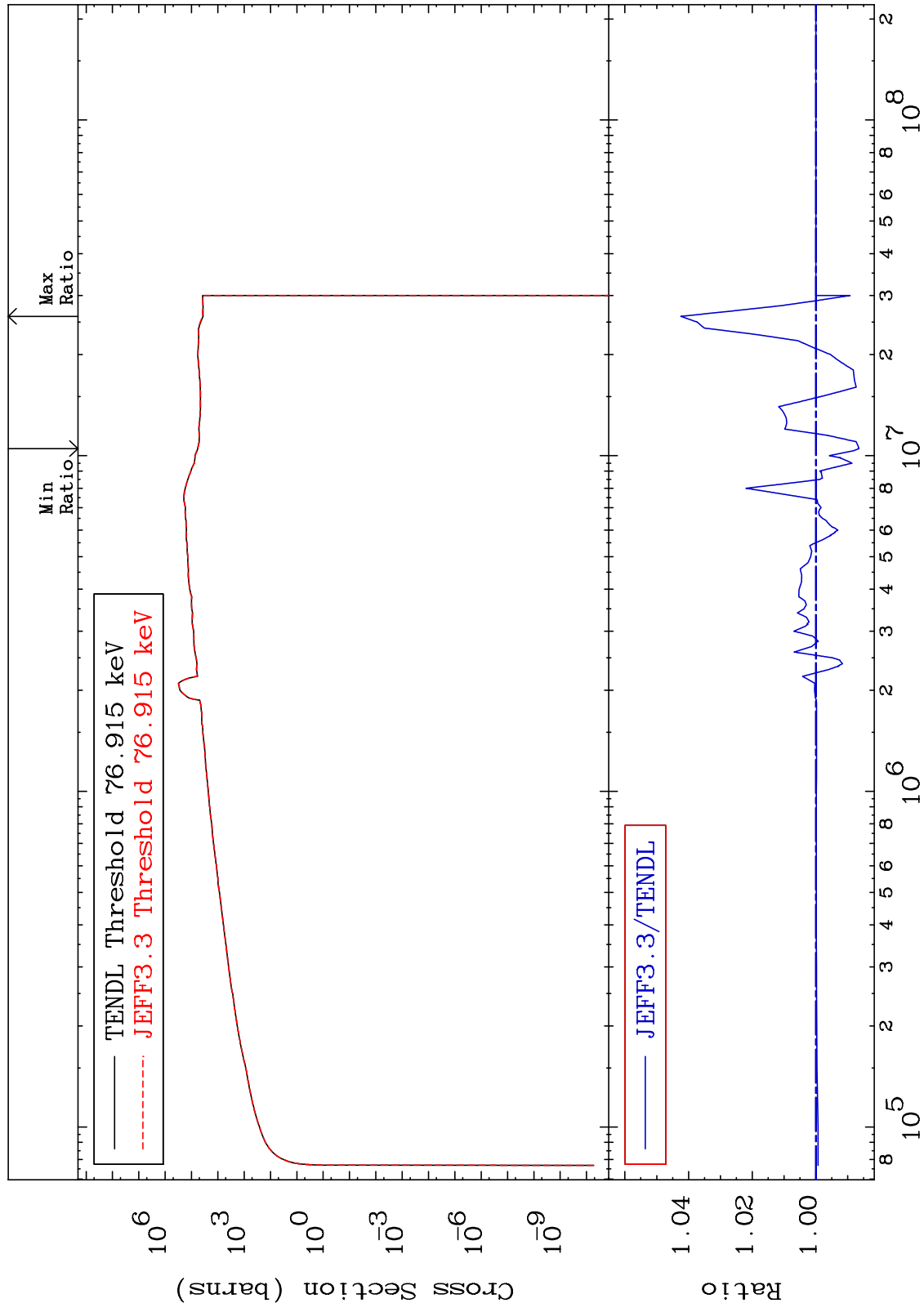
MAT 7043 Kerma non-elastic (all but mt2) 70-Yb-174  
 Cross Section -99.67 To 9999. %



MAT 7043

Kerma inelastic (mt51-91)  
Cross Section

70-Yb-174  
-1.356 To 4.242 %



65

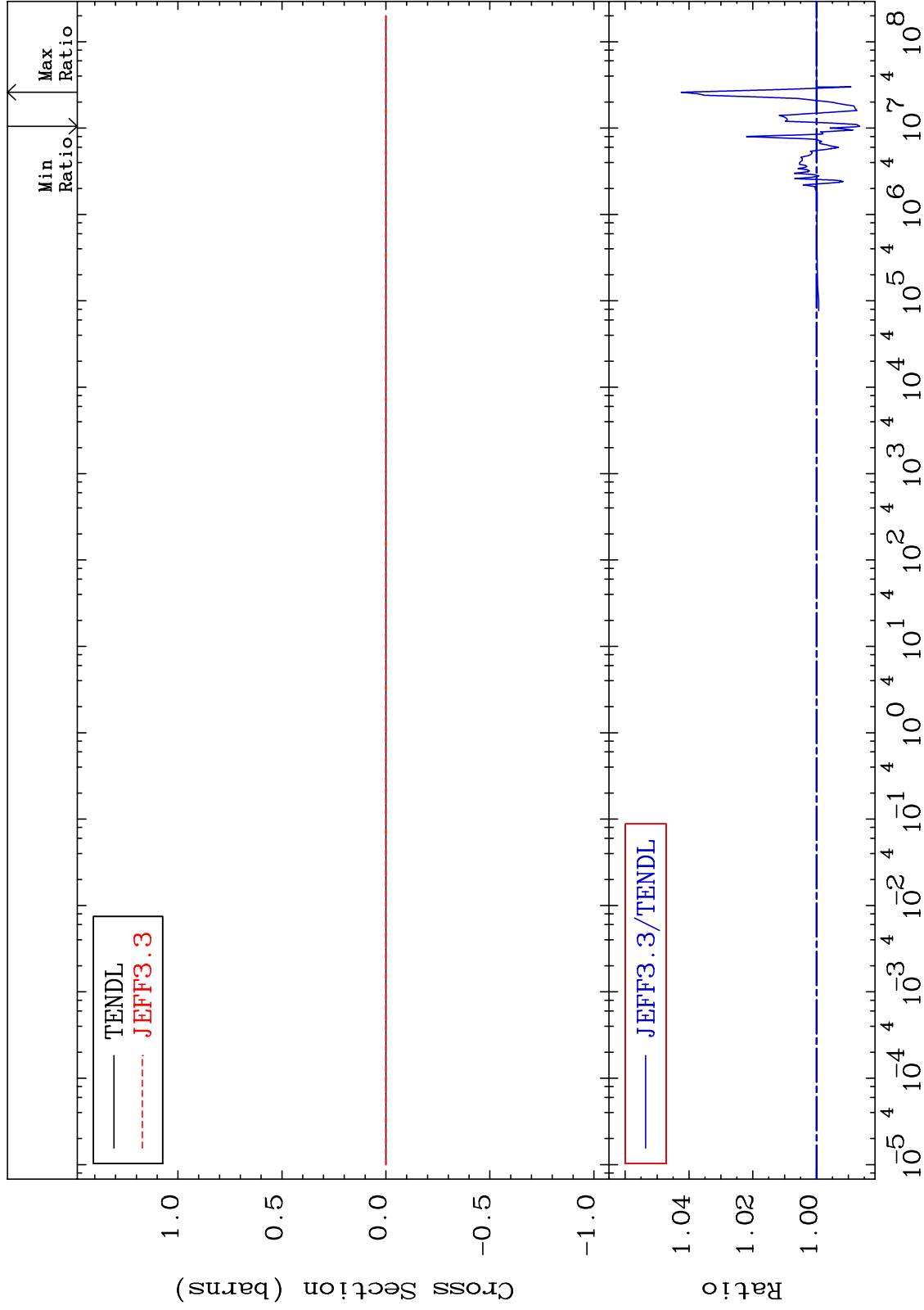
Incident Energy (eV)

70-Yb-174

MAT 7043

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

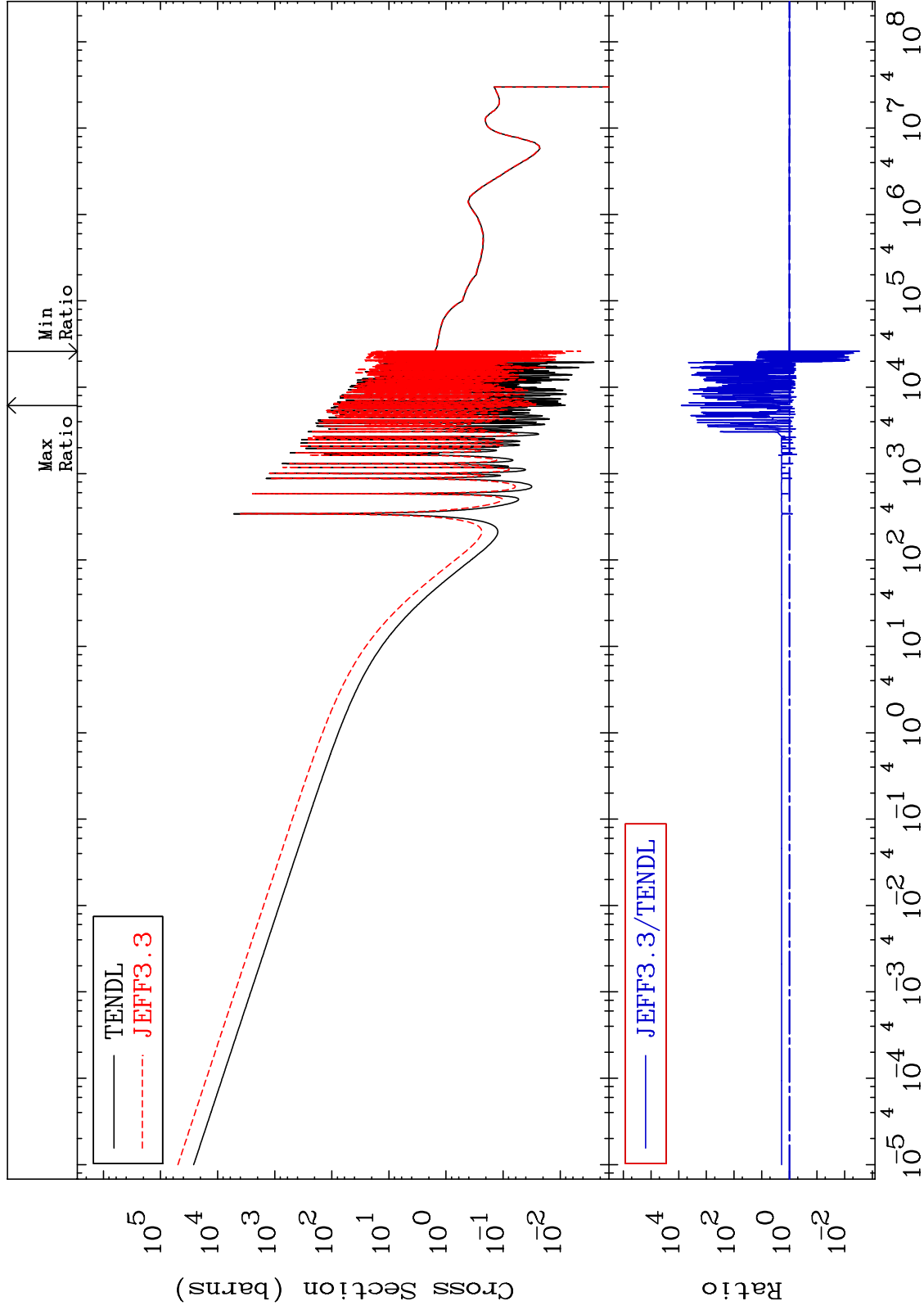
70-Yb-174  
-1.356 To 4.242 %



MAT 7043

Kerma capture (mt102)  
Cross Section

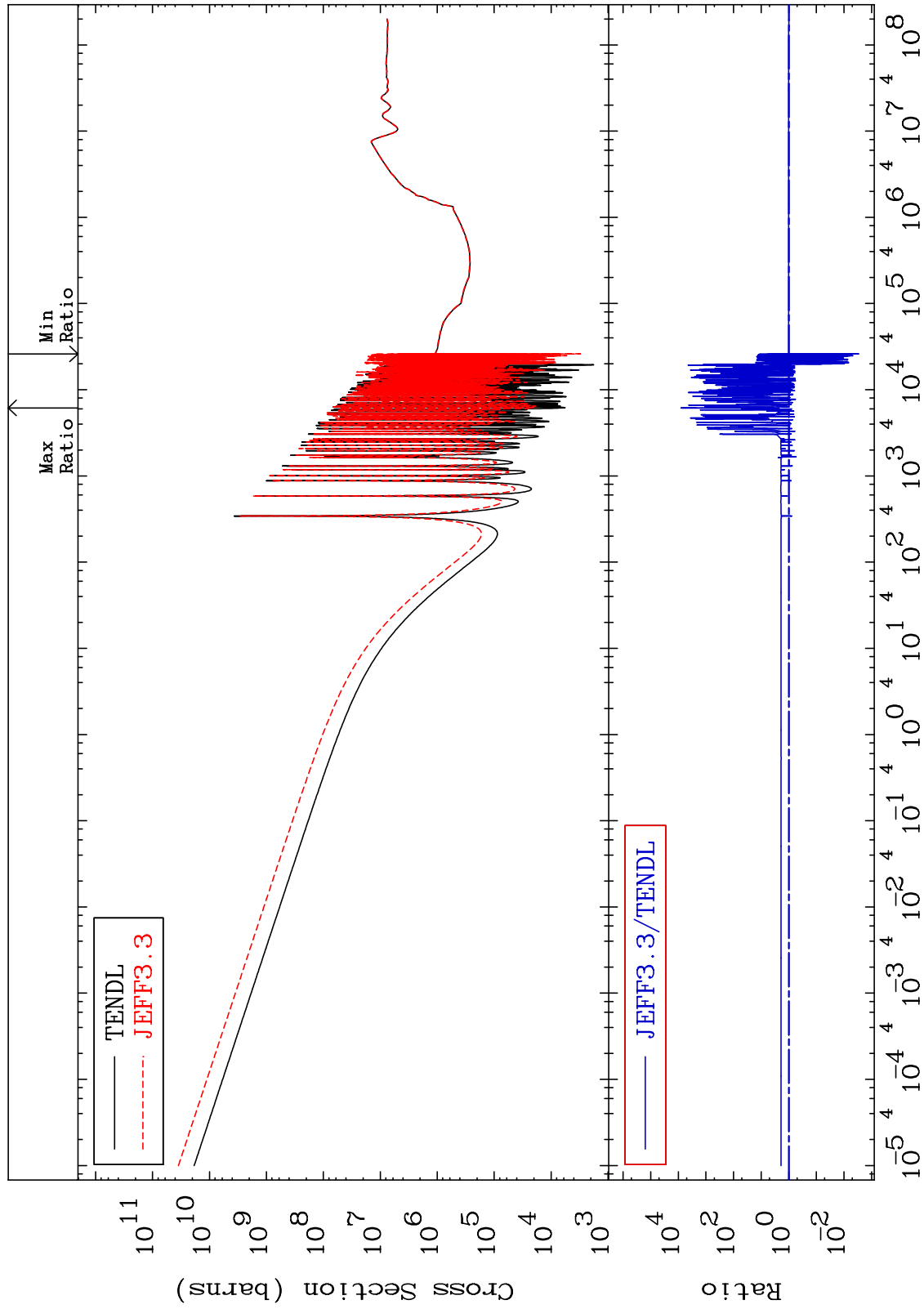
70-Yb-174  
-99.72 To 9999. %



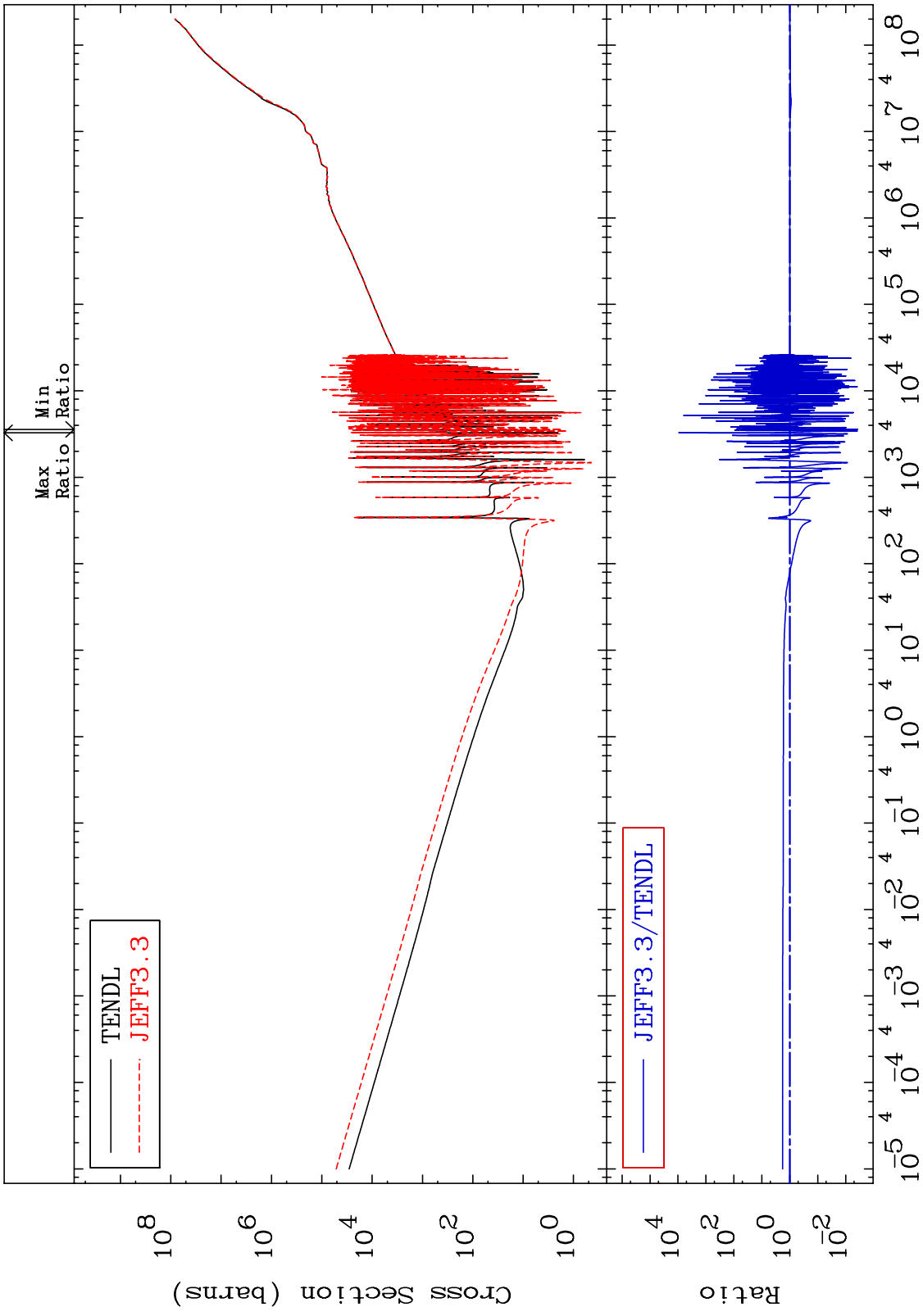
MAT 7043

Total photon (eV-barns)  
Cross Section

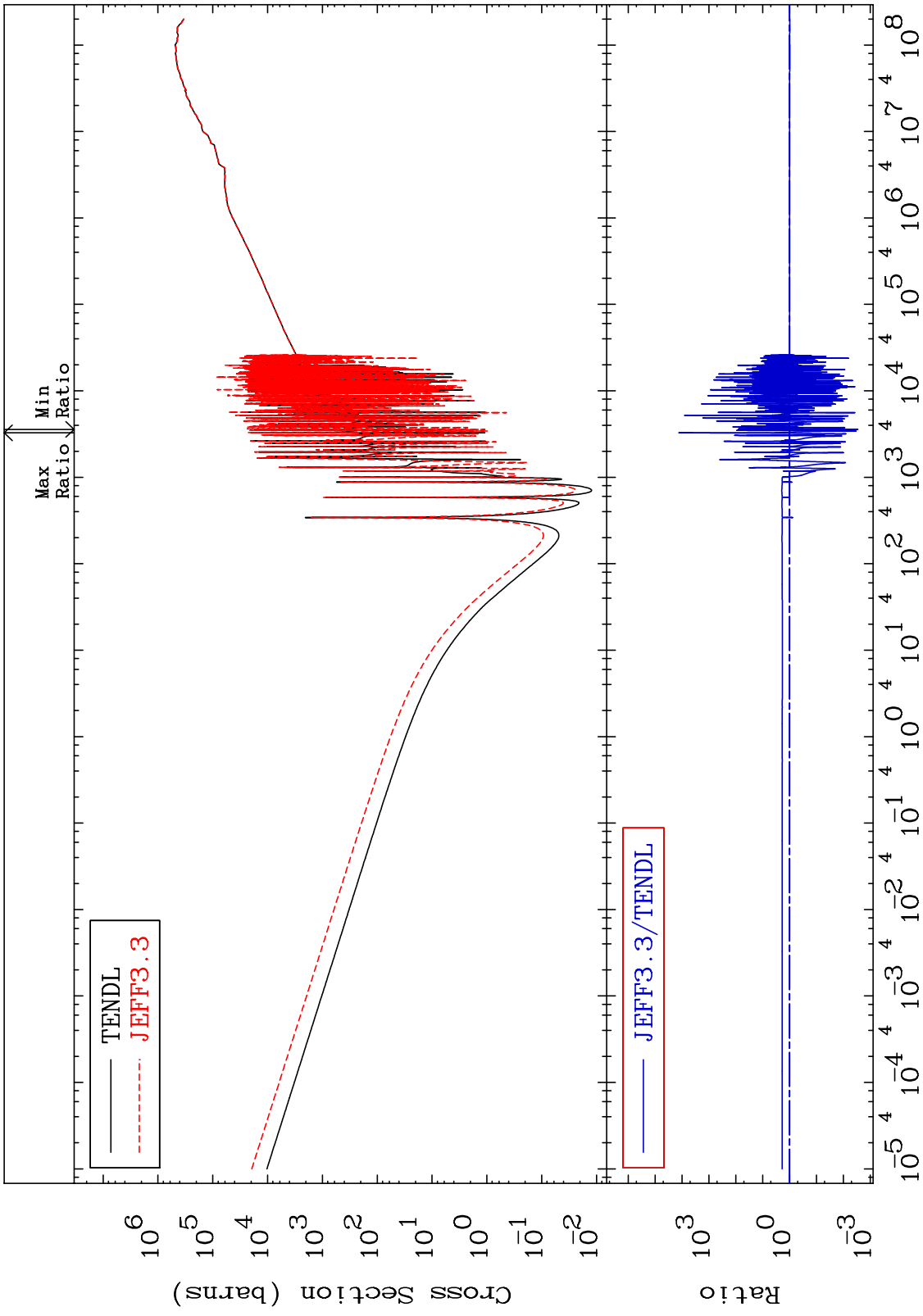
70-Yb-174  
-99.72 To 9999. %



MAT 7043 Total kinematic kerma (high limit) 70-Yb-174  
Cross Section -99.63 To 9999. %



MAT 7043      Dpa total (eV-barns)      70-Yb-174  
Cross Section      -99.71 To 9999. %

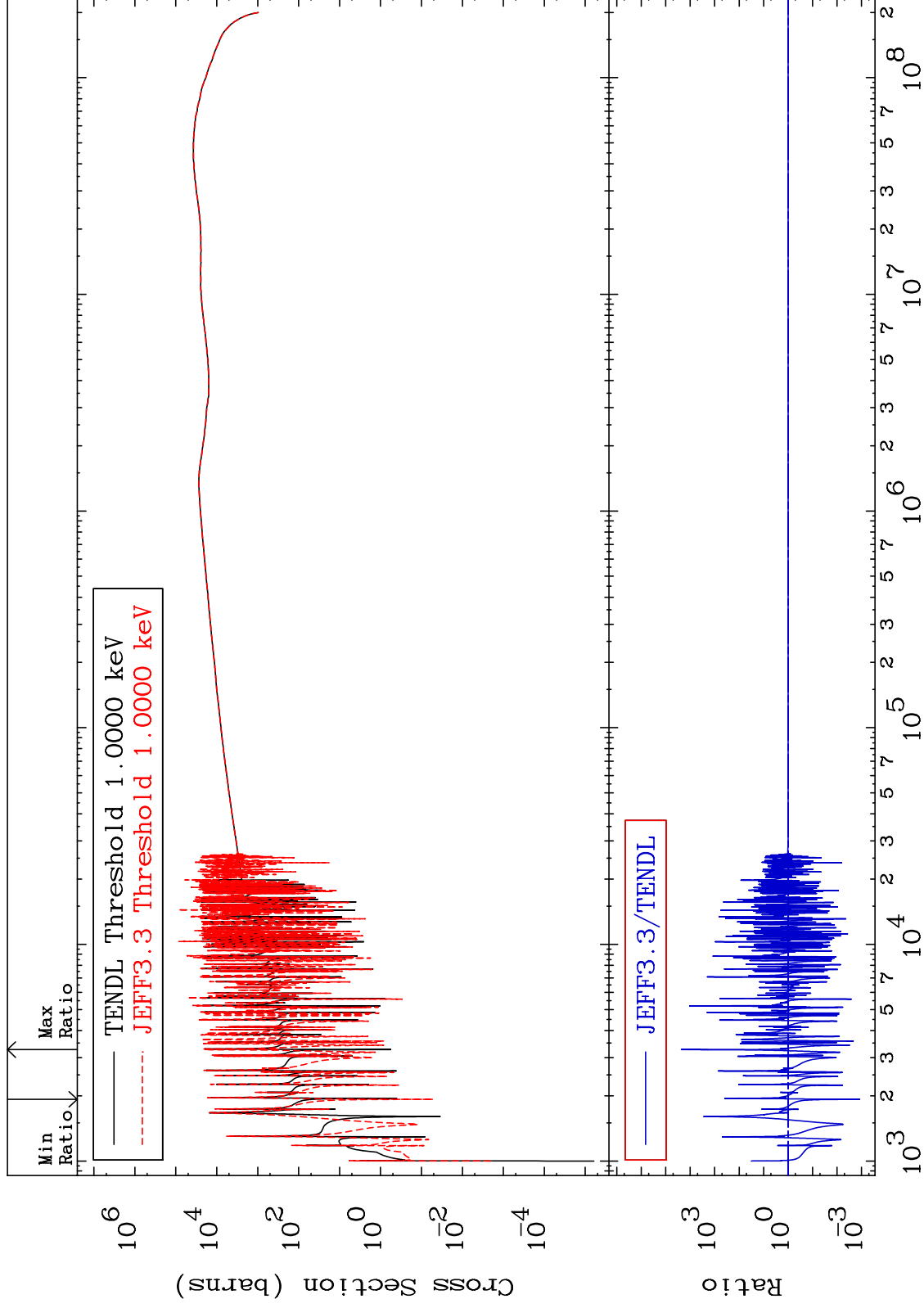


70      Incident Energy (eV)      70-Yb-174

MAT 7043

Dpa elastic (mt2)  
Cross Section

70-Yb-174  
-99.88 To 9999. %



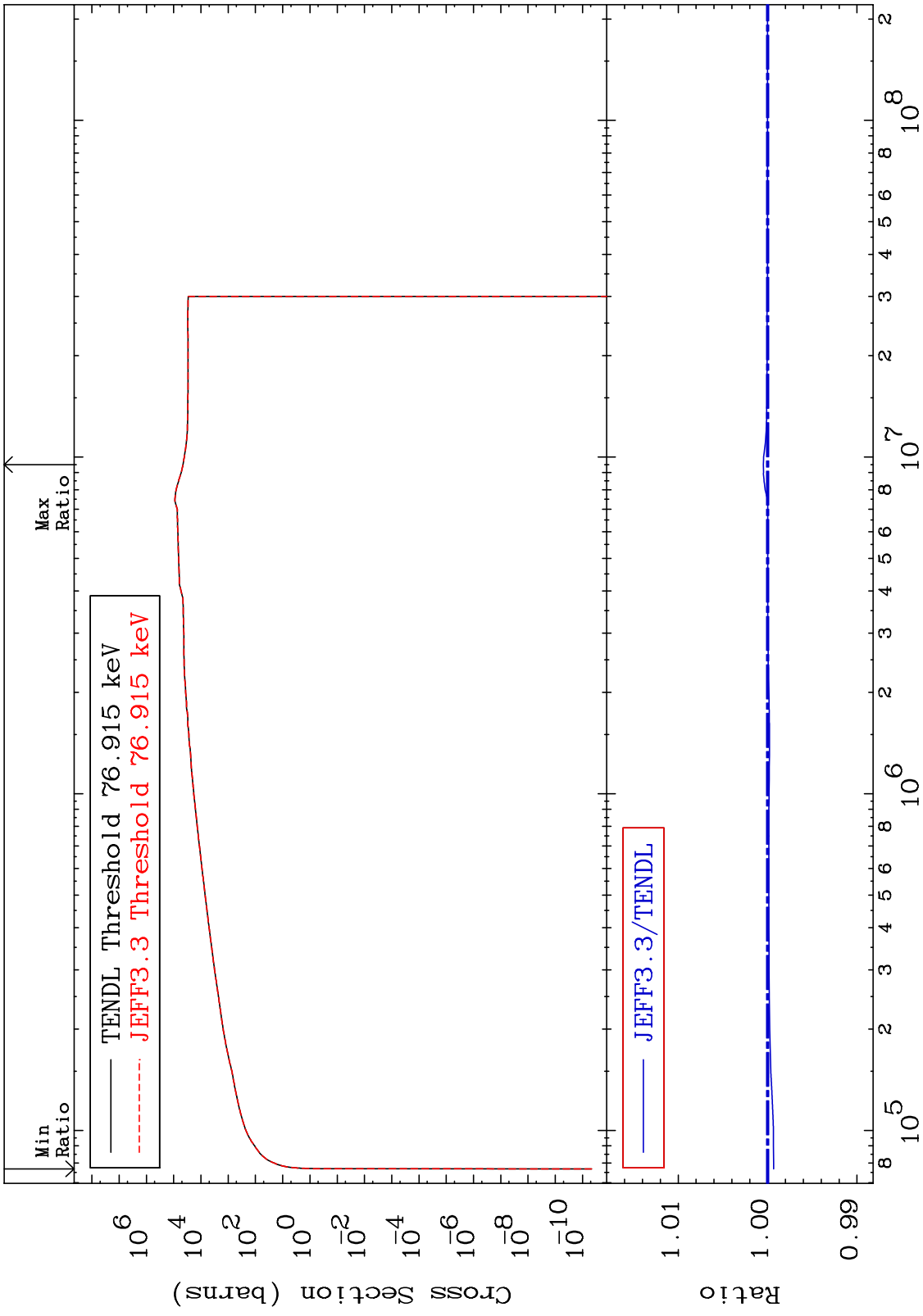
71

Incident Energy (eV)

70-Yb-174



MAT 7043      Dpa inelastic (mt51-91)      70-Yb-174  
Cross Section      -0.066 To 0.048 %

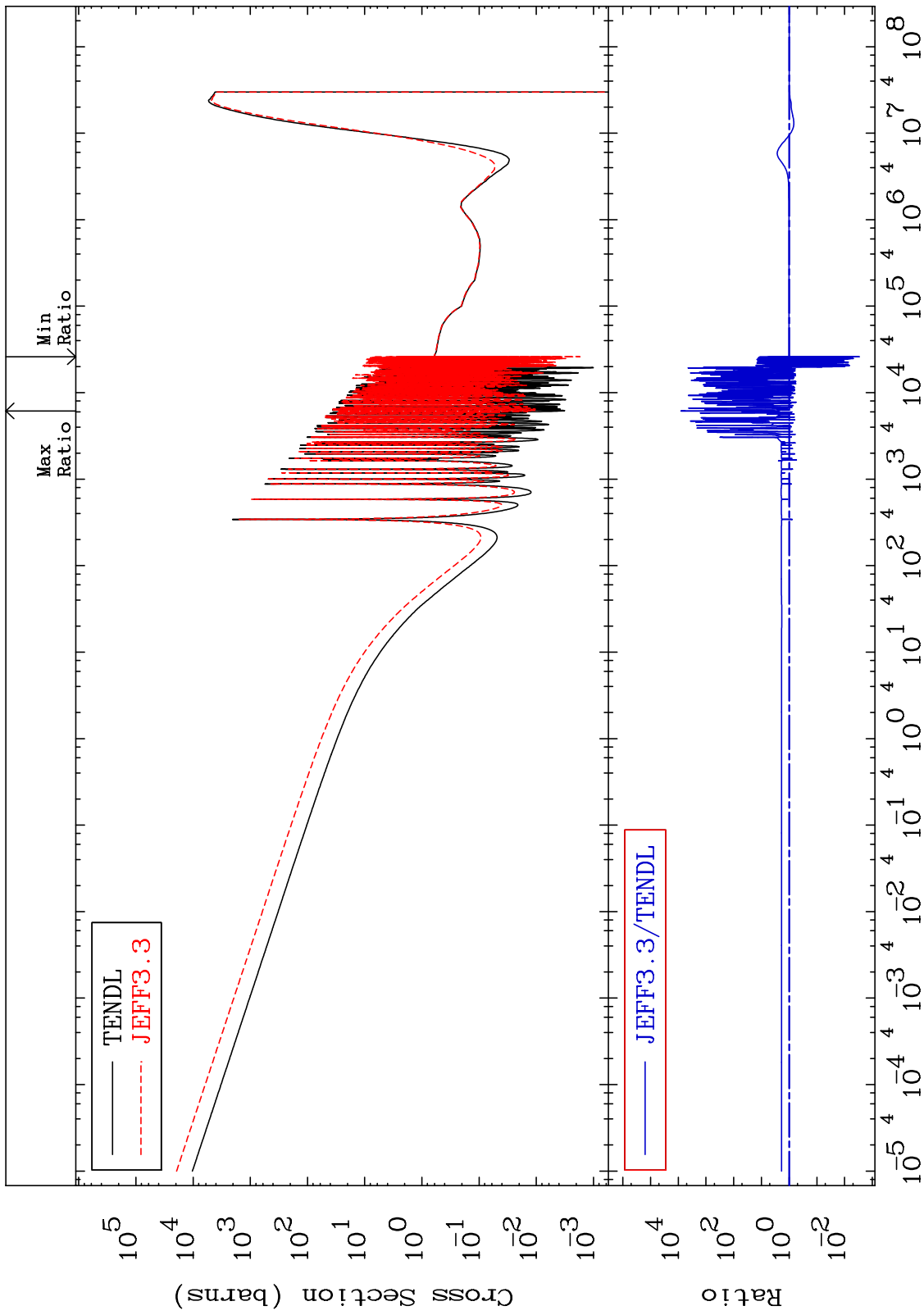


72      70-Yb-174

MAT 7043

Dpa disappearance (mt102 -120)  
Cross Section

70-Yb-174  
-99.71 To 9999. %



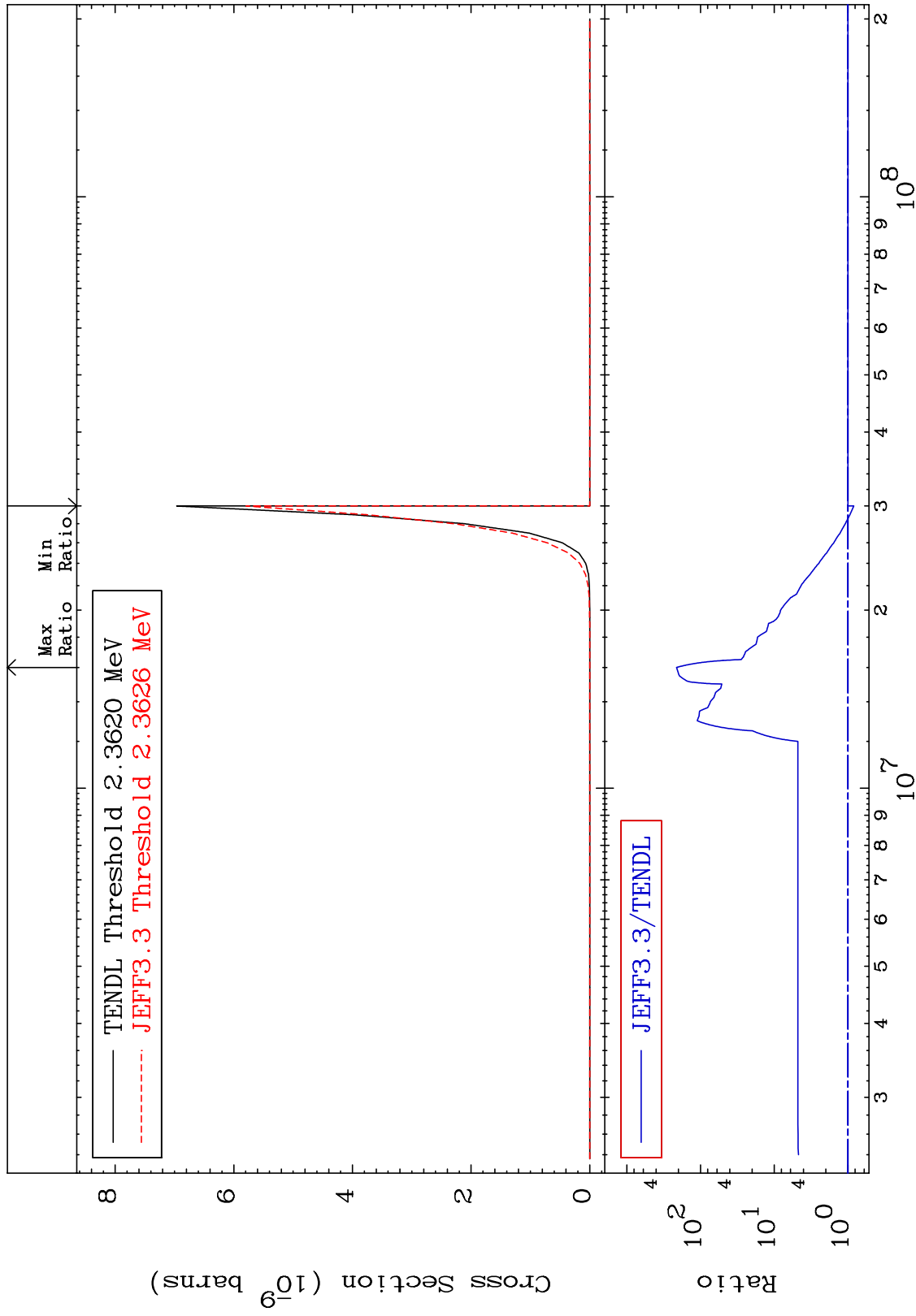
73

Incident Energy (eV)

70-Yb-174

MAT 7043

(n,p)  $\alpha$ : 67-Ho-170g 70-Yb-174  
Radionuclide Production Cross Section -16.81 To 9999. %



74

Incident Energy (eV)

70-Yb-174

