

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

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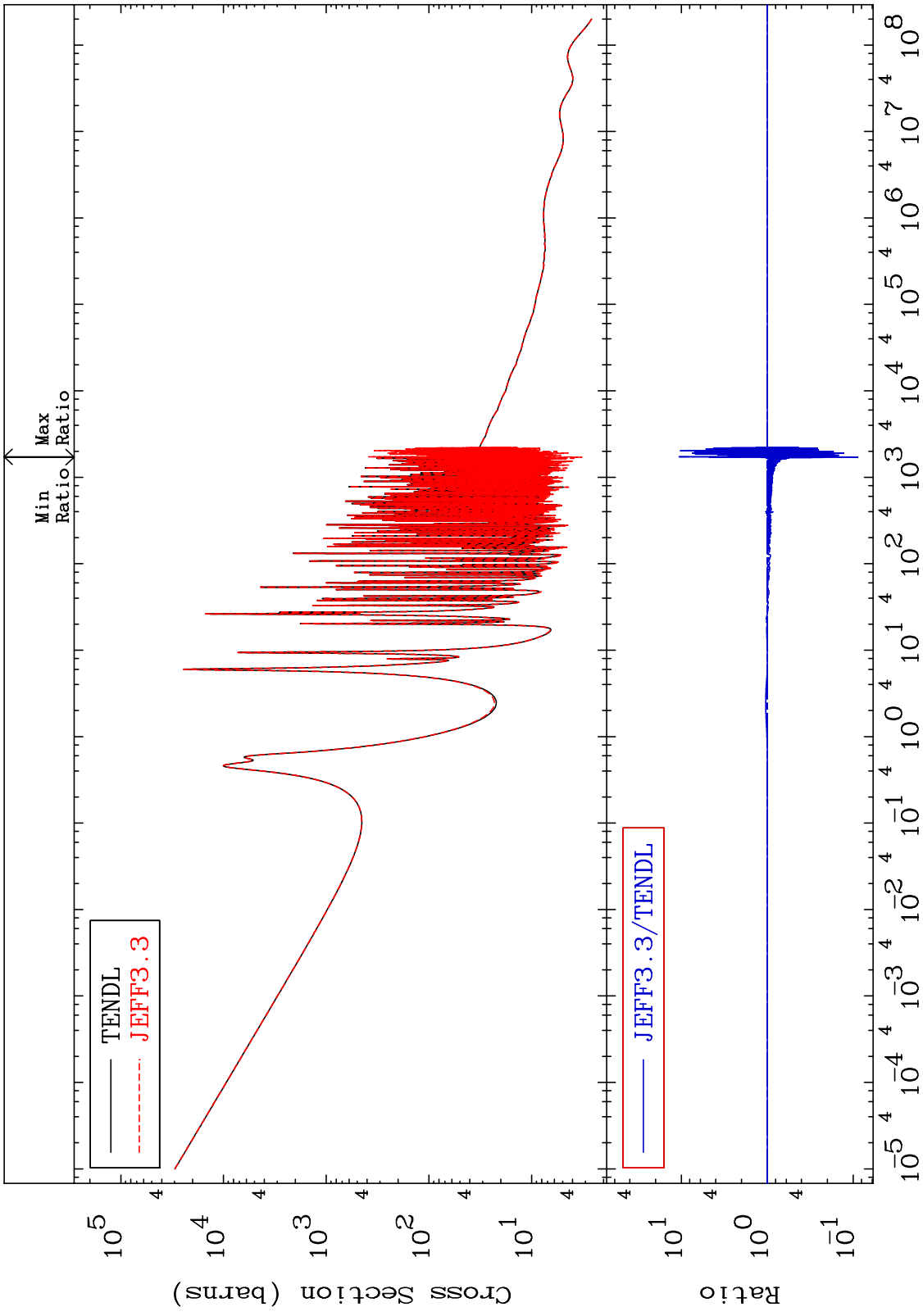
U.S.A.

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

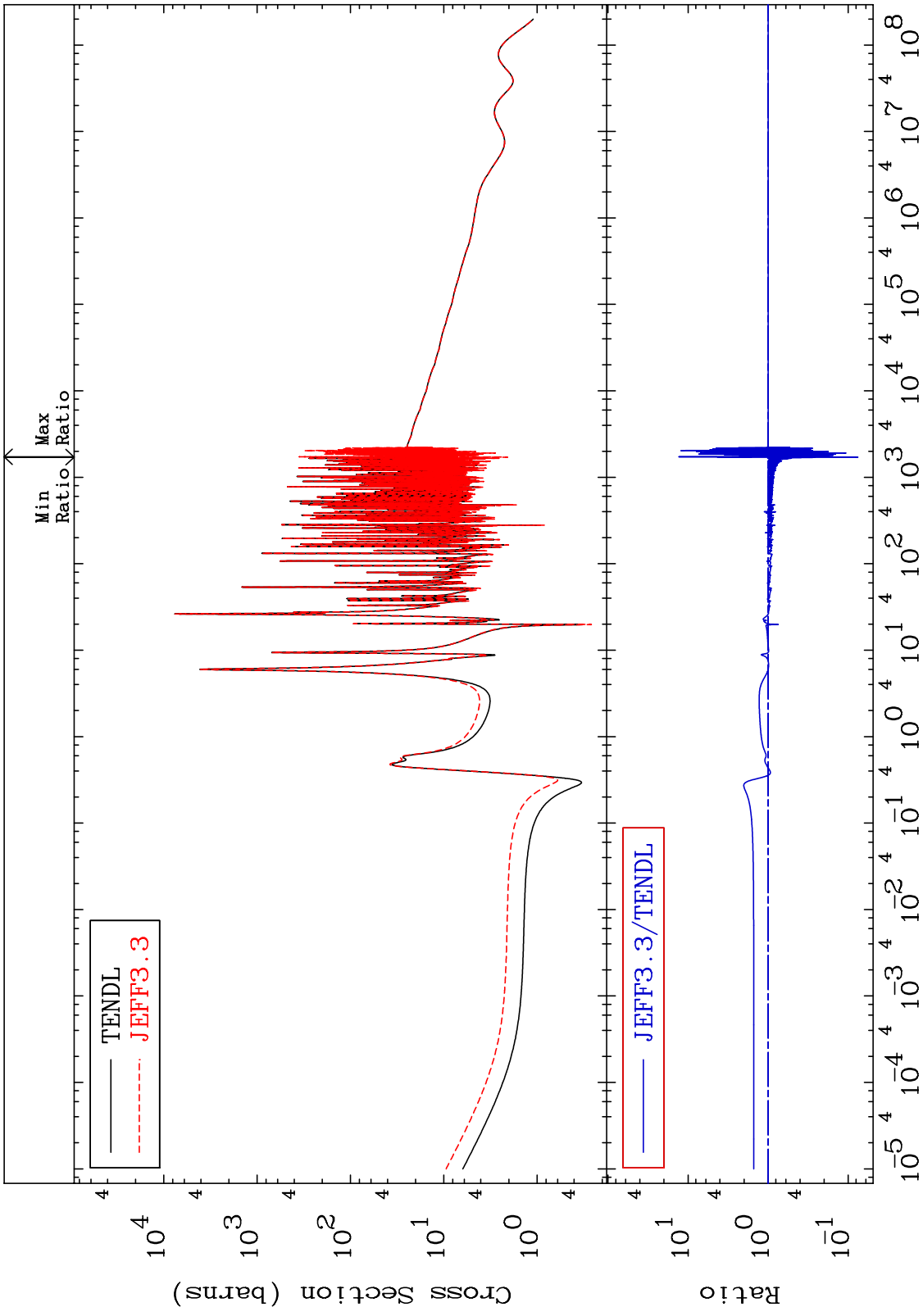
Press Mouse Button to Start

MAT 6840 68-Er-167  
Total -91.18 To 966.0 %  
Cross Section



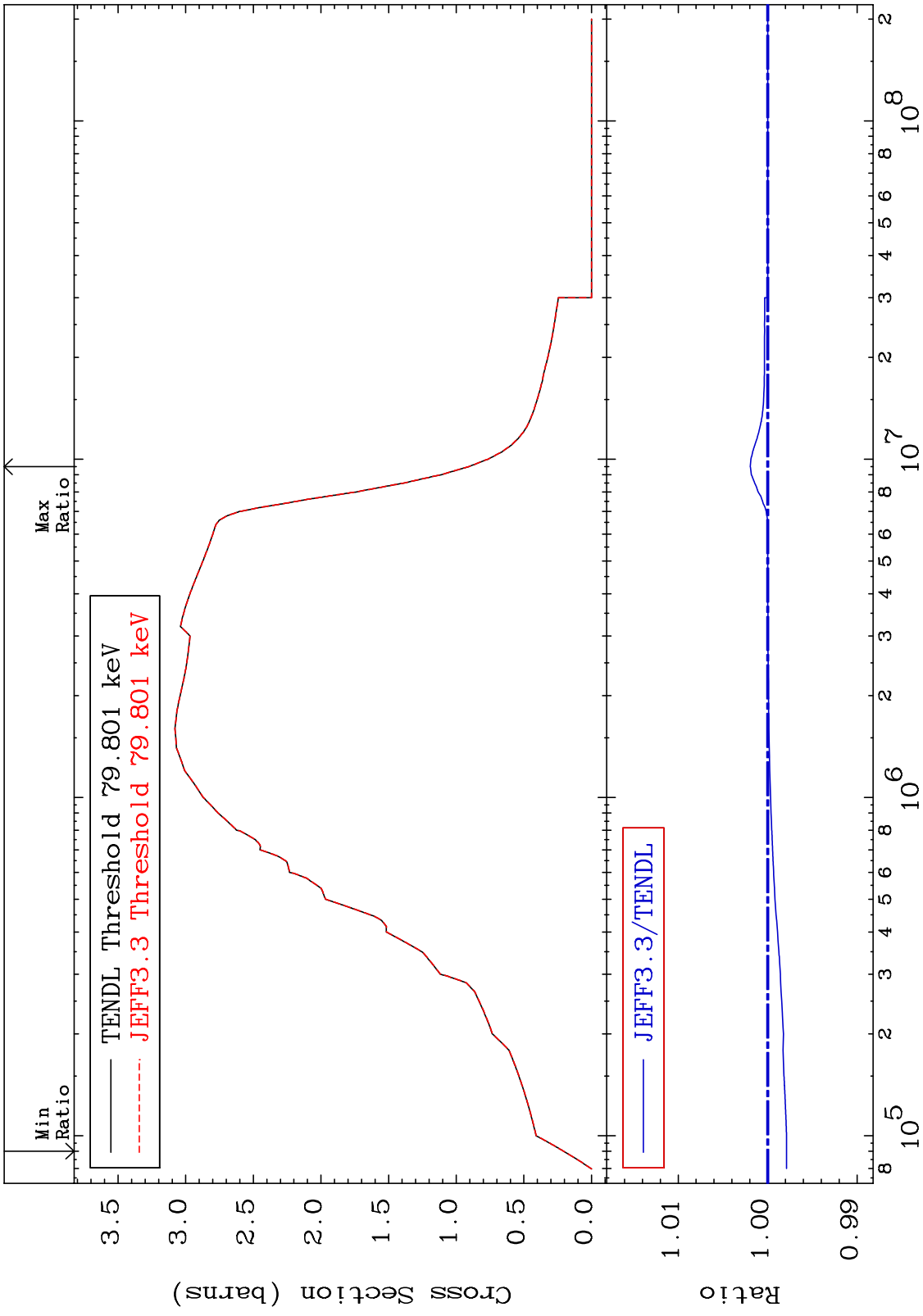
1 68-Er-167

MAT 6840 Elastic Cross Section 68-Er-167 -92.42 To 1196. %



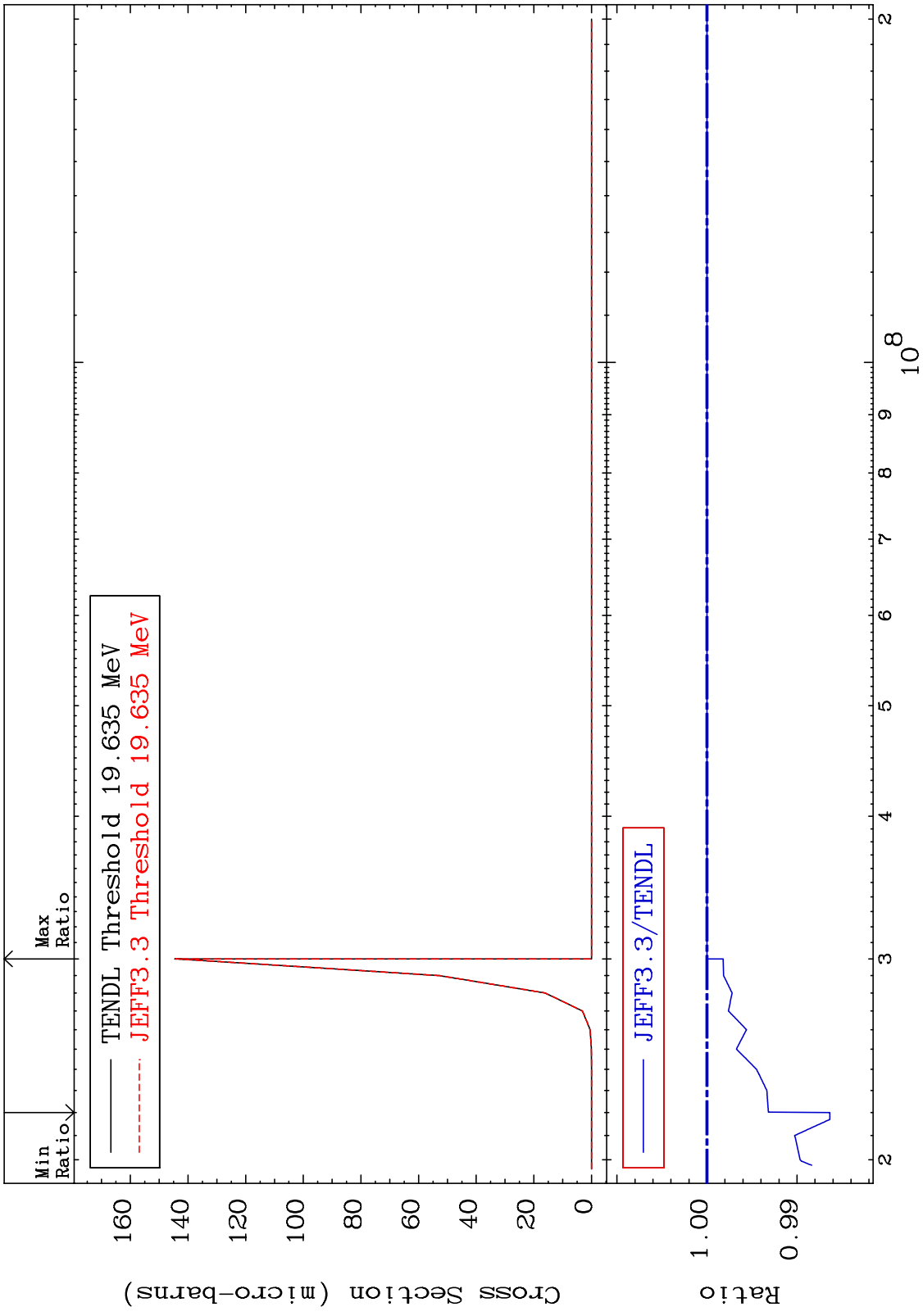
Incident Energy (eV) 68-Er-167

MAT 6840 Inelastic Cross Section 68-Er-167 -0.212 To 0.194 %

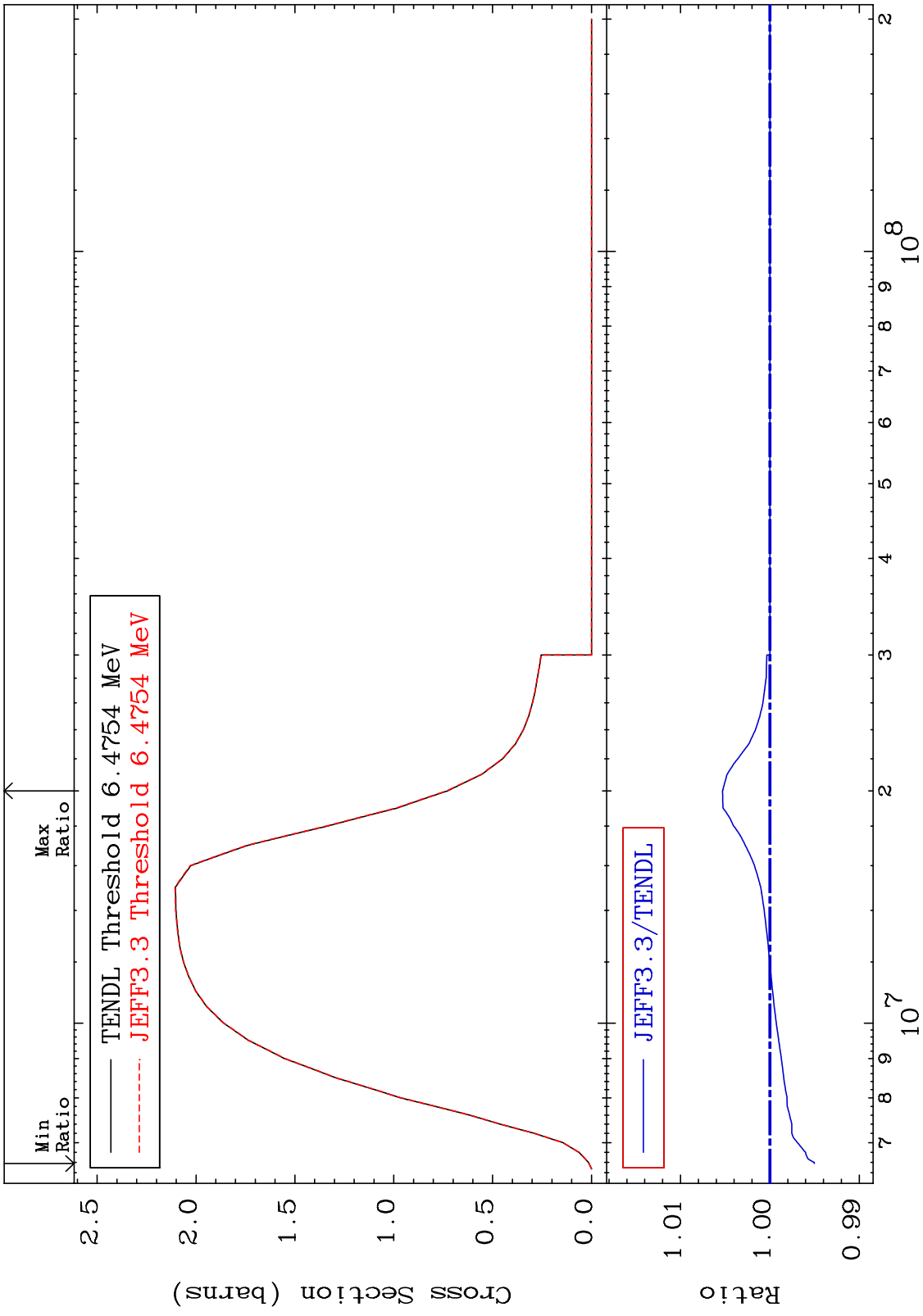


68-Er-167

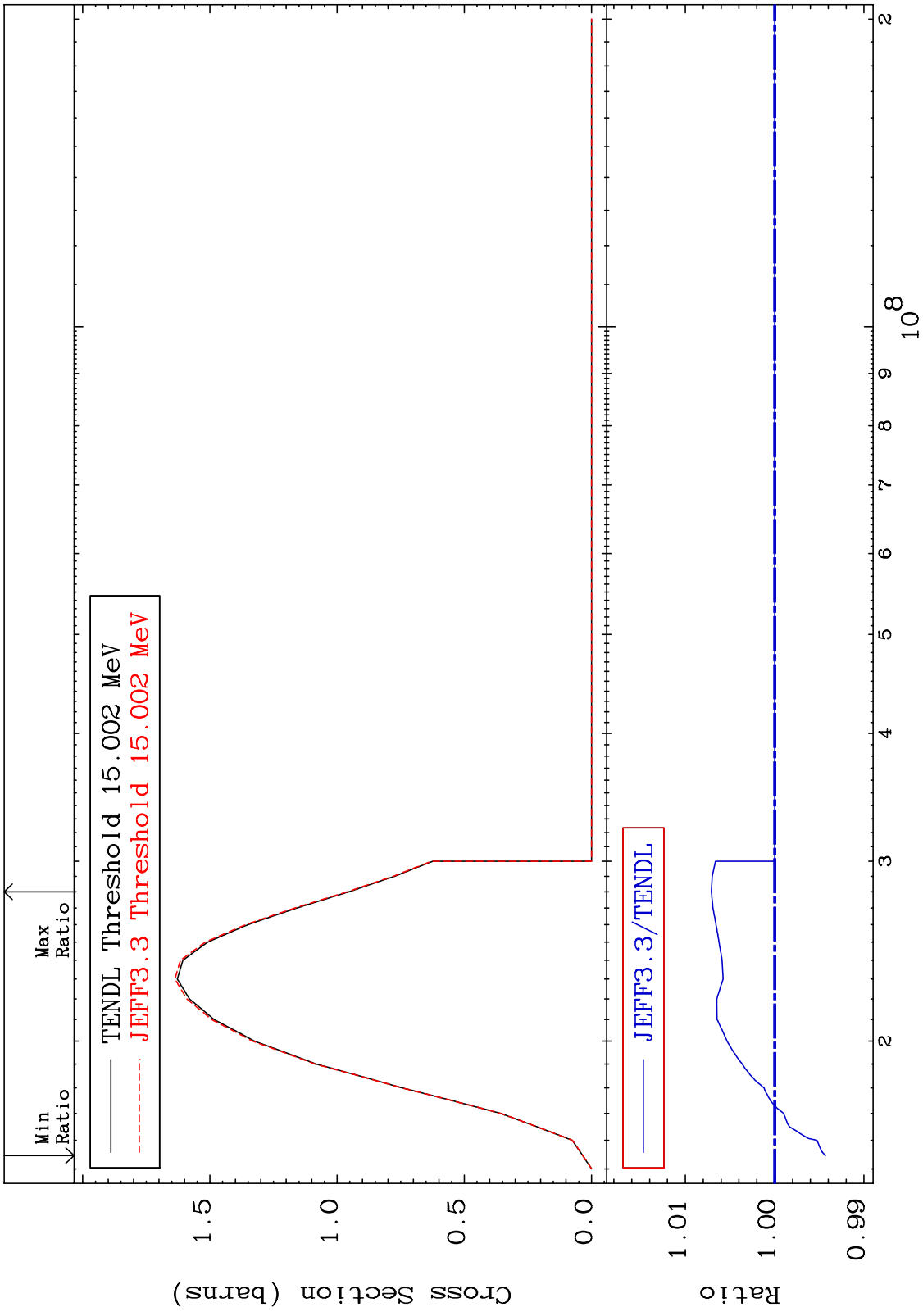
MAT 6840 (n,2n) d 68-Er-167  
 Cross Section -1.366 To 0.000 %



MAT 6840 (n,2n) Cross Section 68-Er-167 -0.497 To 0.530 %



MAT 6840 (n,3n) 68-Er-167  
 Cross Section -0.569 To 0.709 %



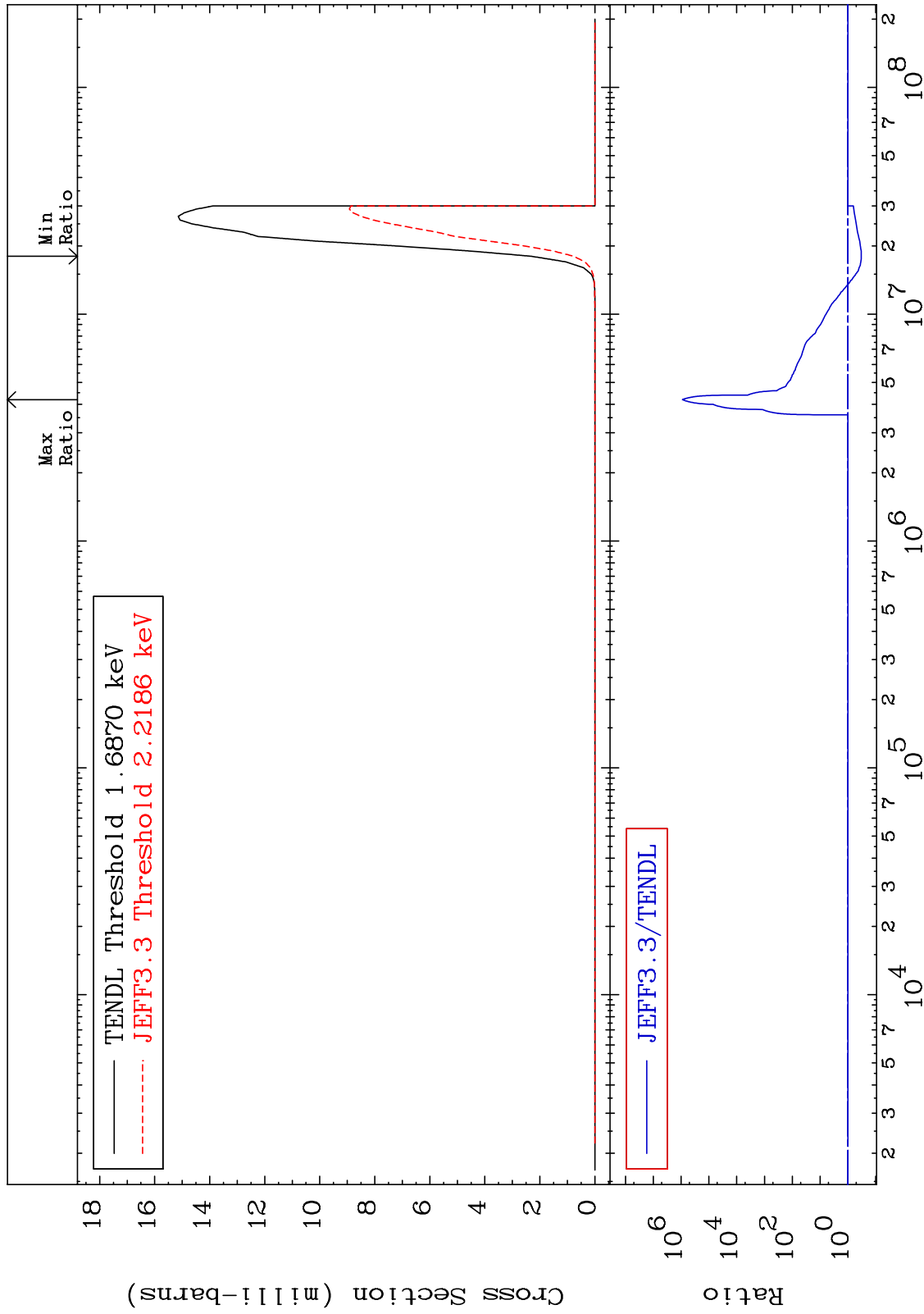
MAT 6840

(n, n')  $\alpha$

68-Er-167

Cross Section

-66.89 To 9999. %



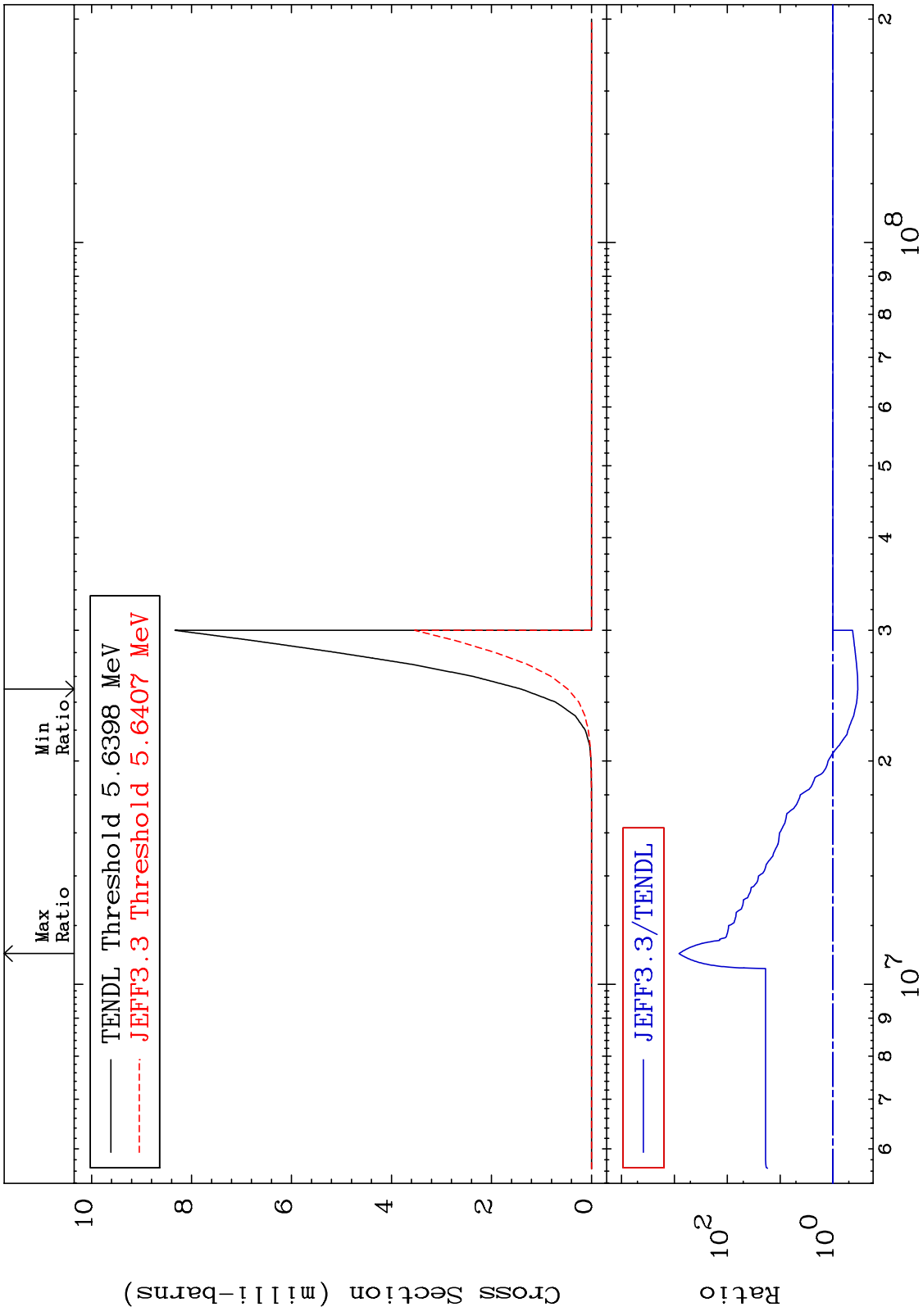
7

Incident Energy (eV)

68-Er-167

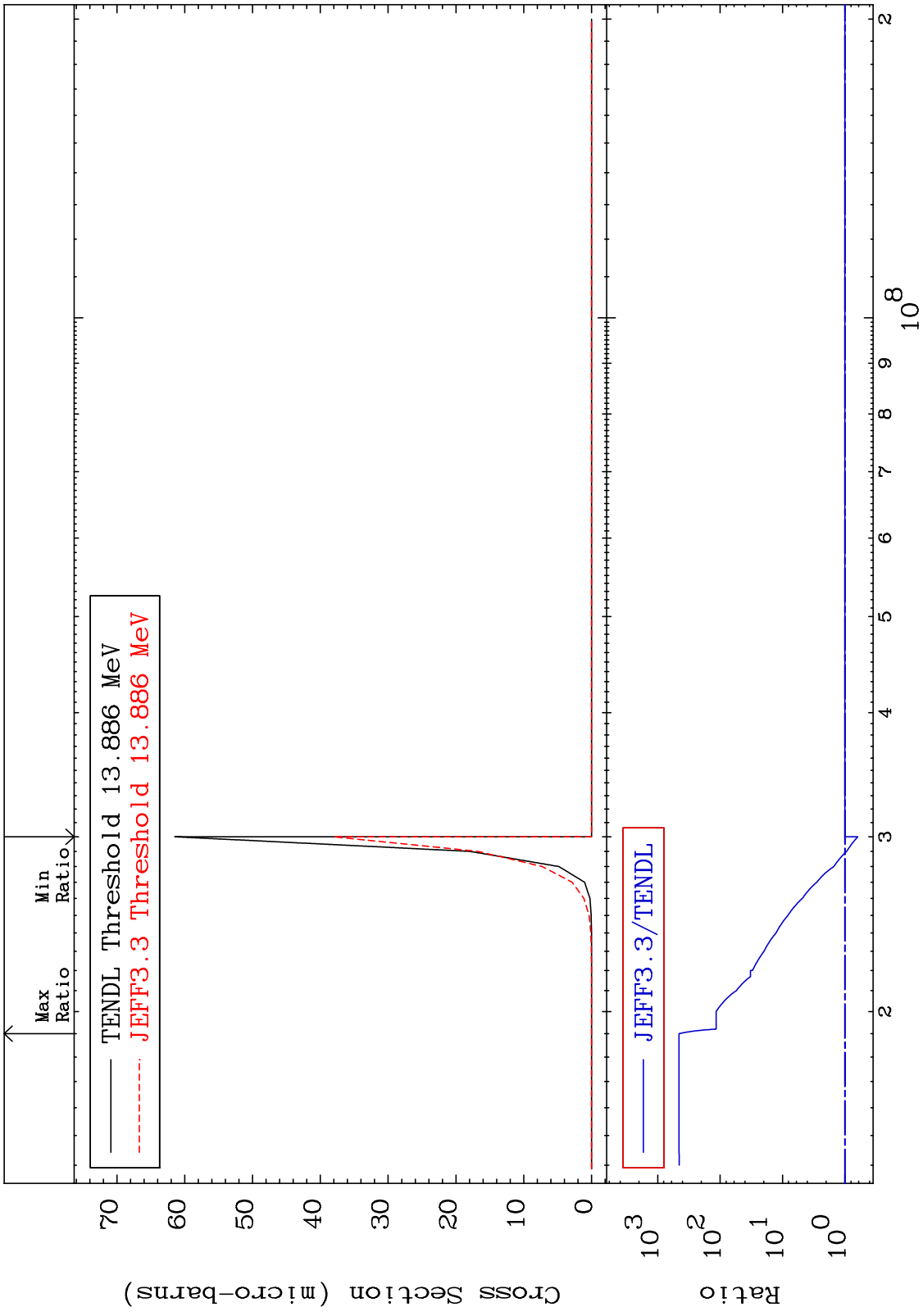


MAT 6840 68-Er-167  
(n,2n)  $\alpha$   
Cross Section  
-66.22 To 9999. %



8 68-Er-167

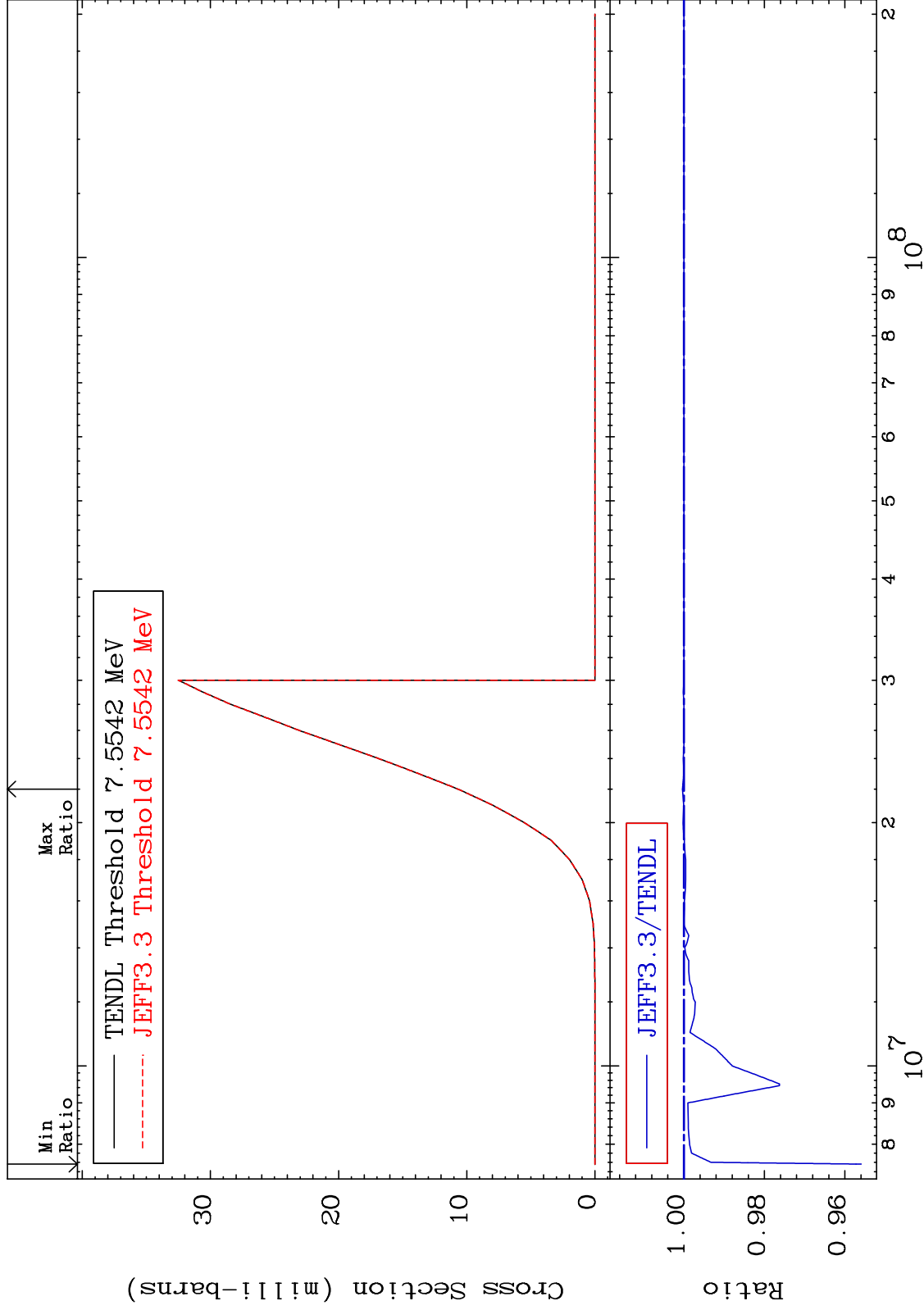
MAT 6840 (n,3n)  $\alpha$  68-Er-167  
 Cross Section -38.04 To 9999. %



MAT 6840

(n,n') p  
Cross Section

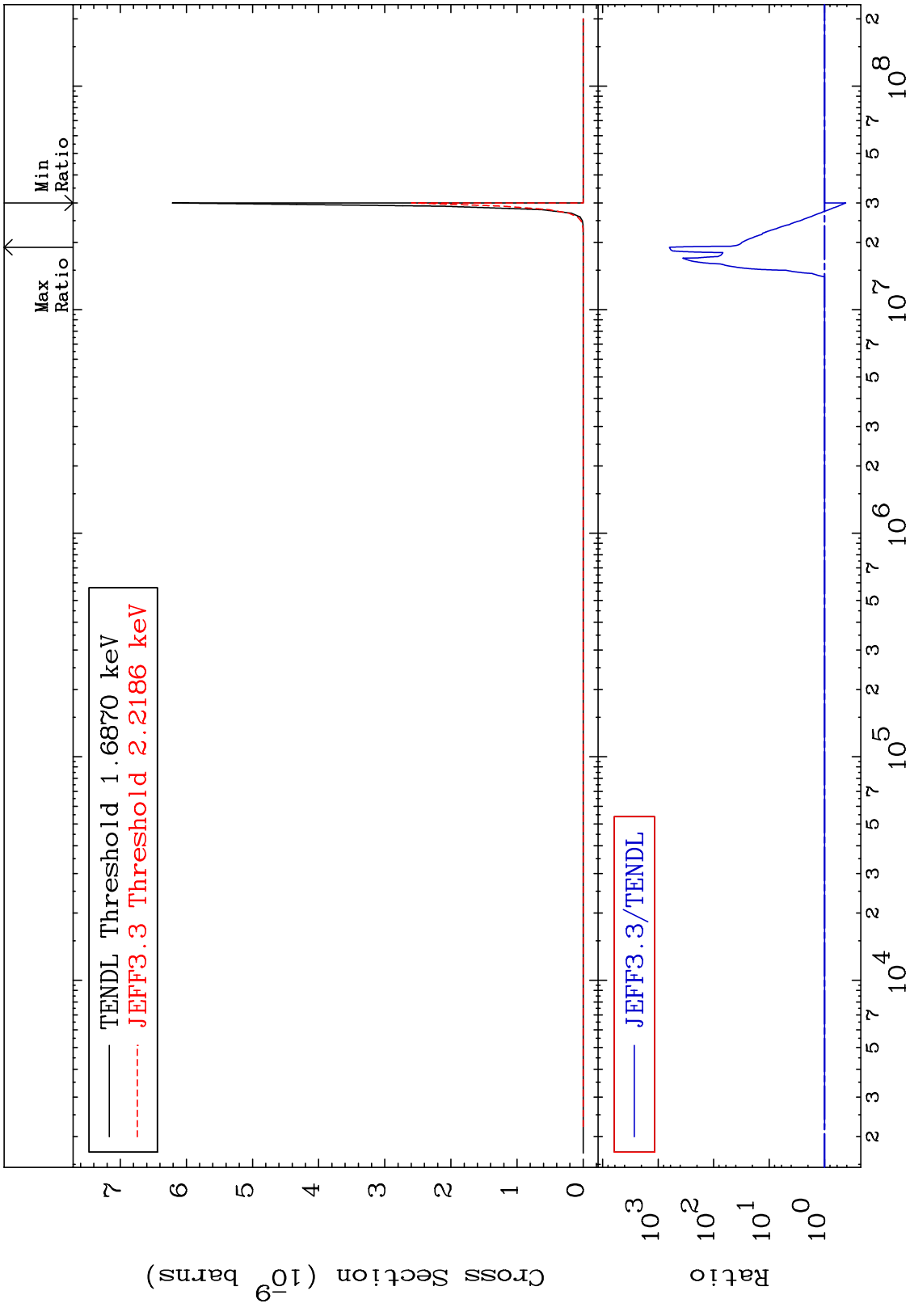
68-Er-167  
-4.407 To 0.036 %



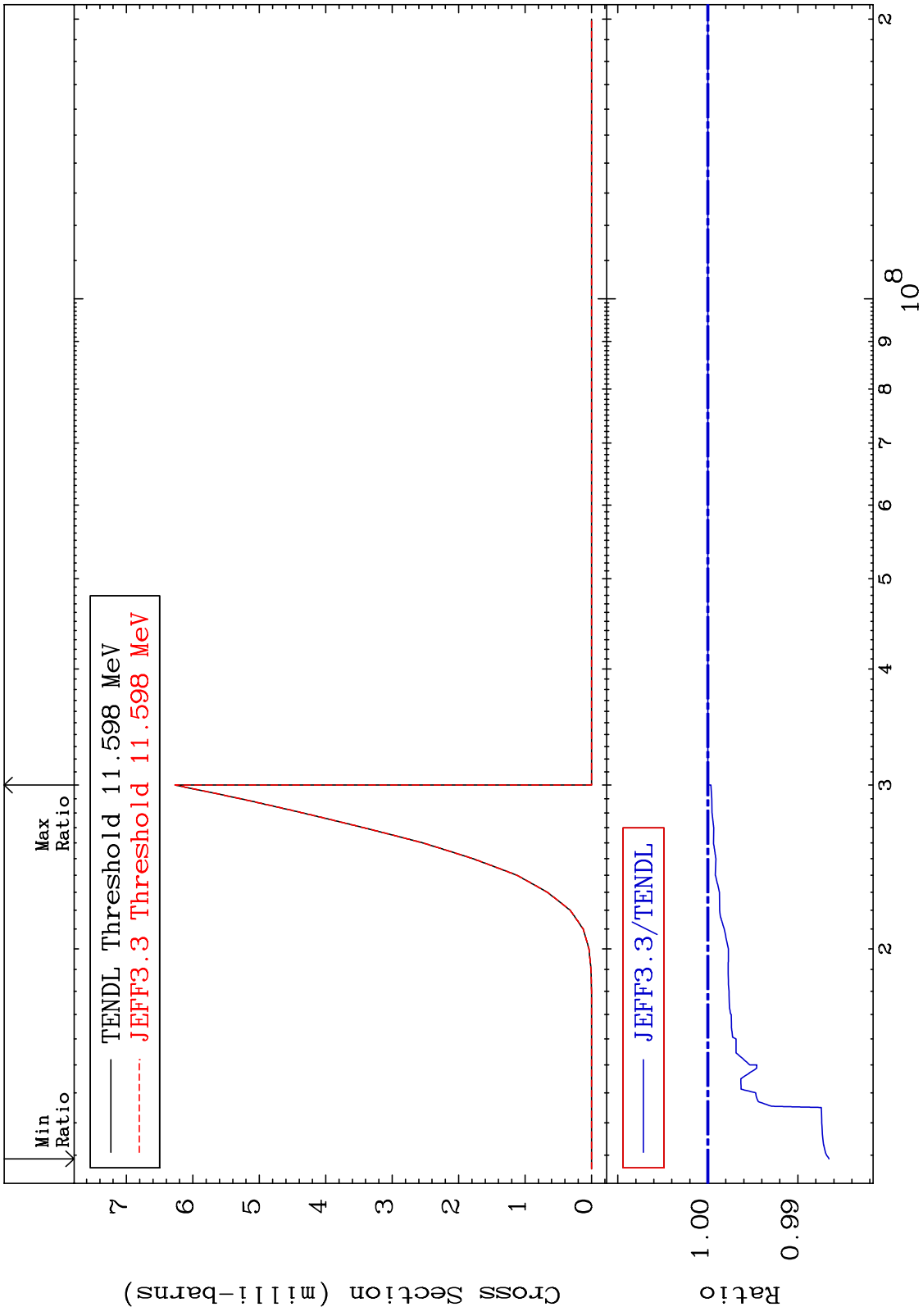
10

Incident Energy (eV)

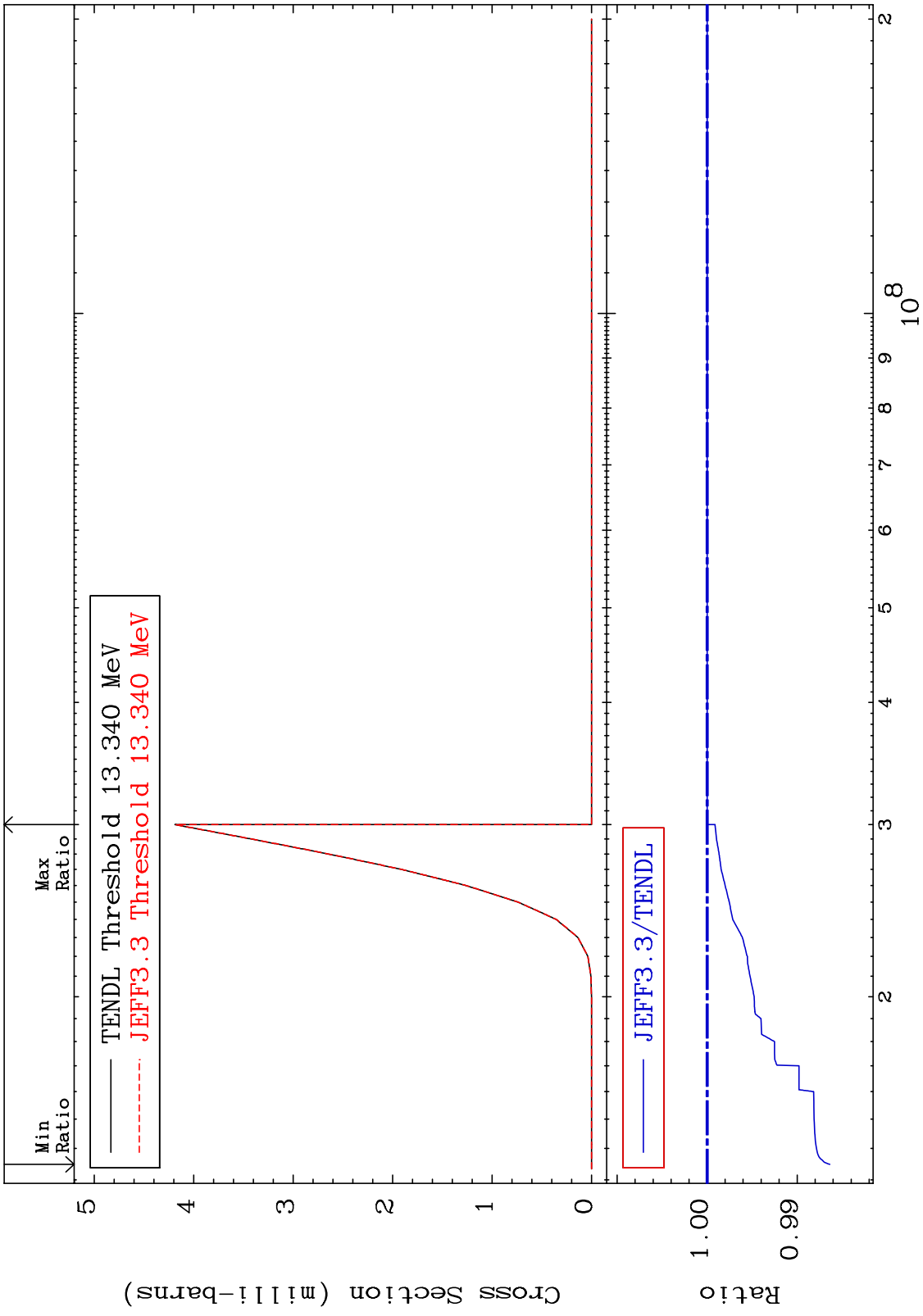
68-Er-167



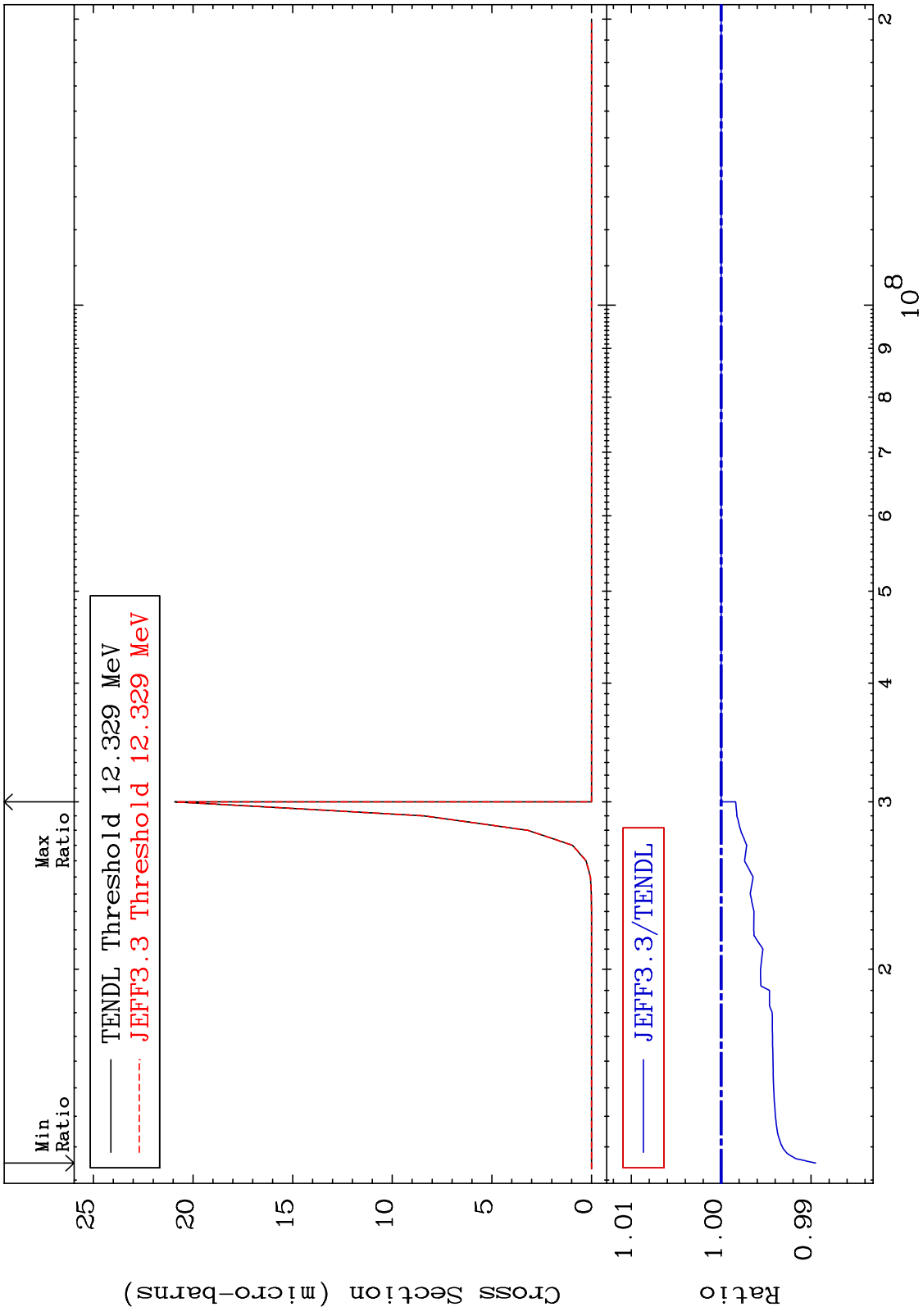
MAT 6840 (n, n') d 68-Er-167  
 Cross Section -1.346 To 0.000 %



MAT 6840 (n,n') t 68-Er-167  
 Cross Section -1.362 To 0.000 %

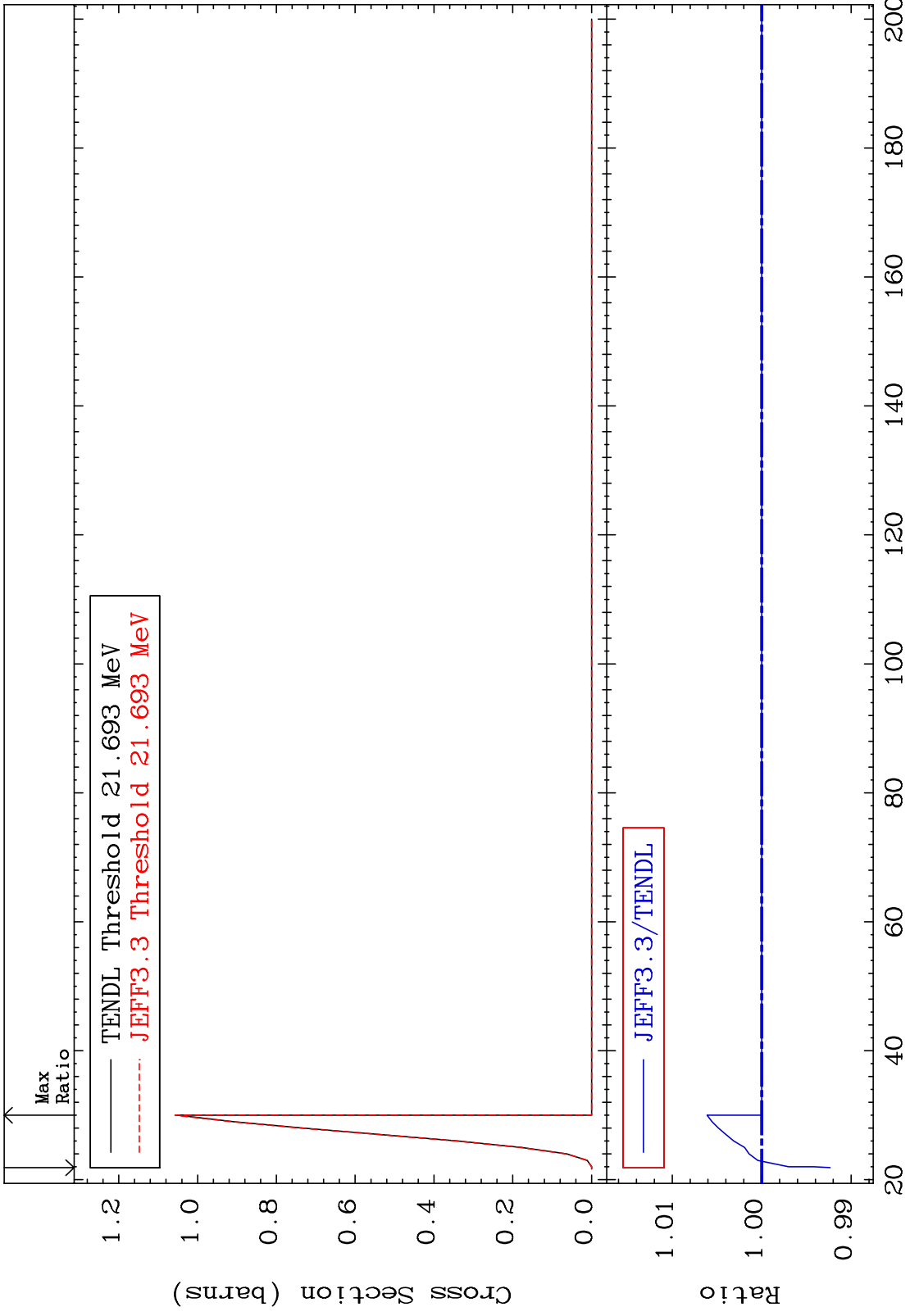


MAT 6840 (n, n') He-3 Cross Section 68-Er-167 -1.051 To 0.000 %

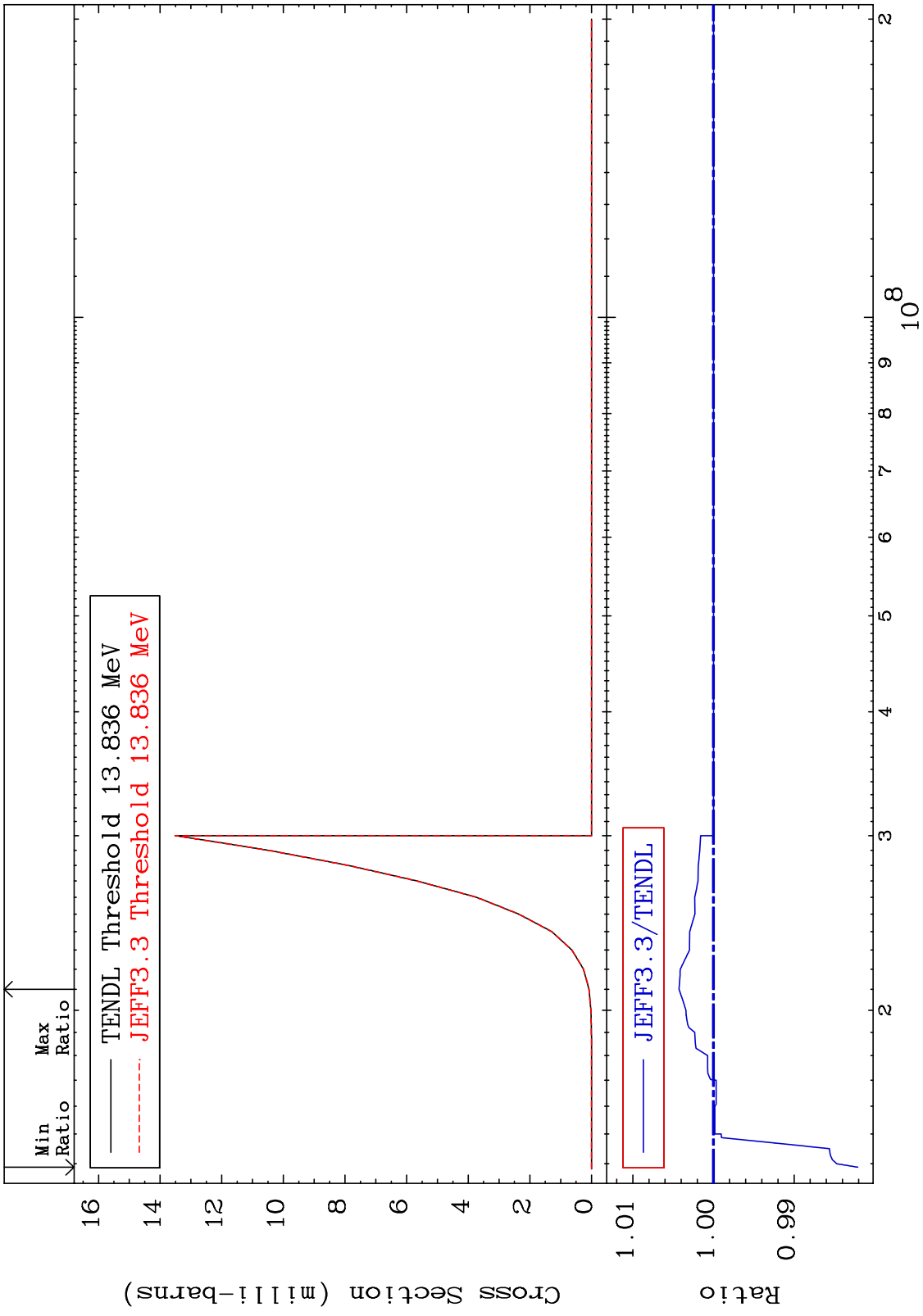


68-Er-167

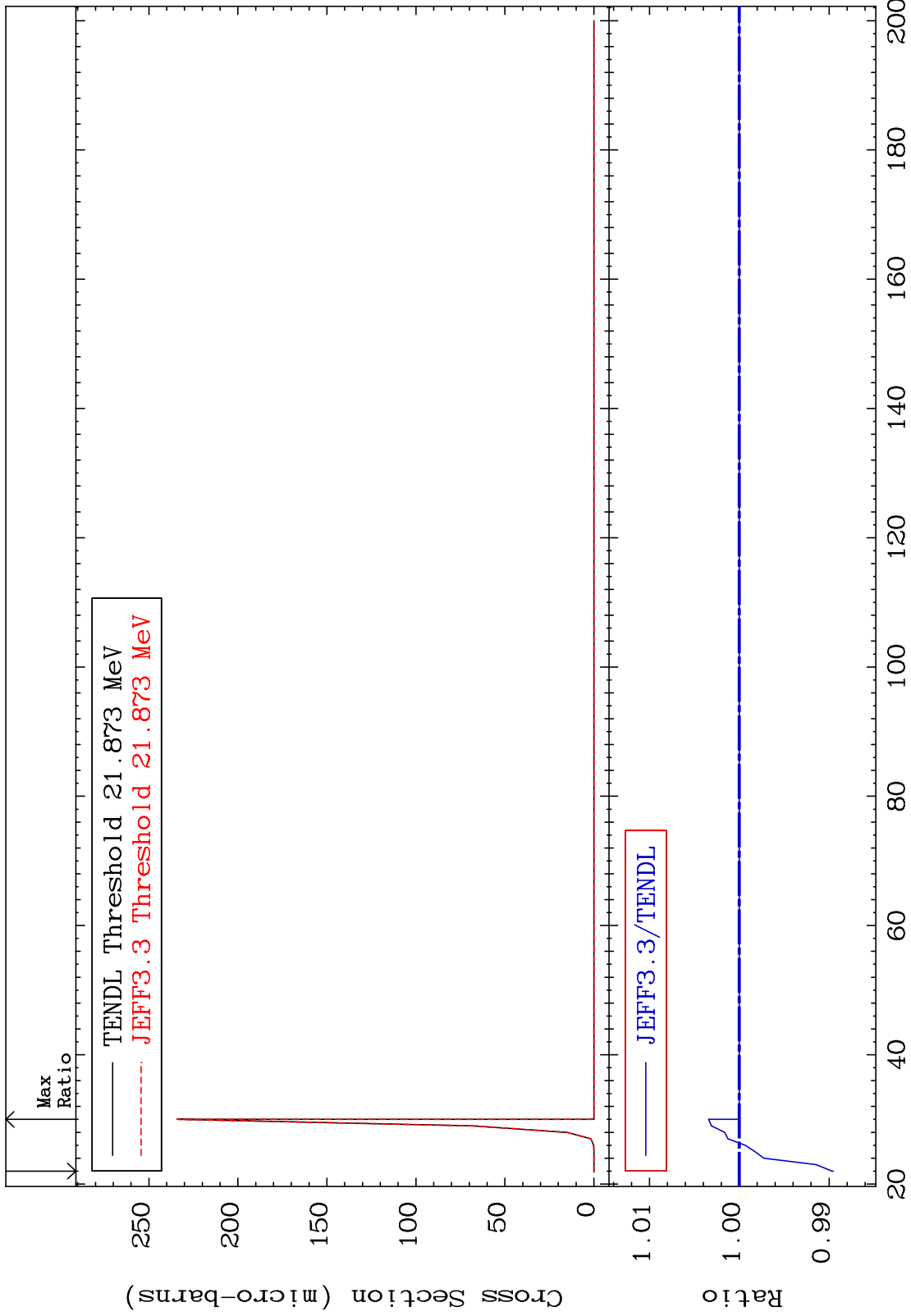
MAT 6840 (n,4n) Cross Section 68-Er-167 -0.765 To 0.612 %



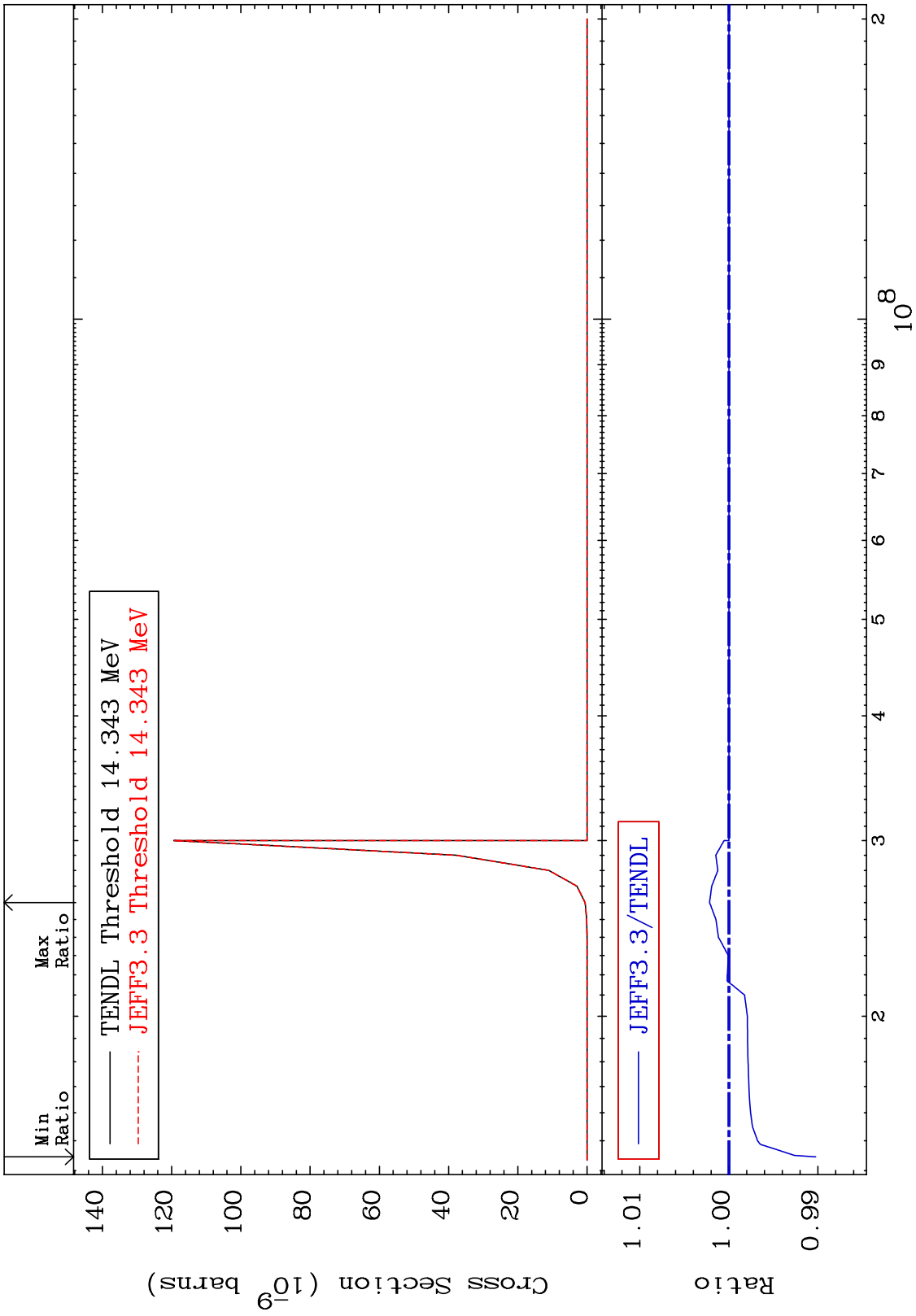




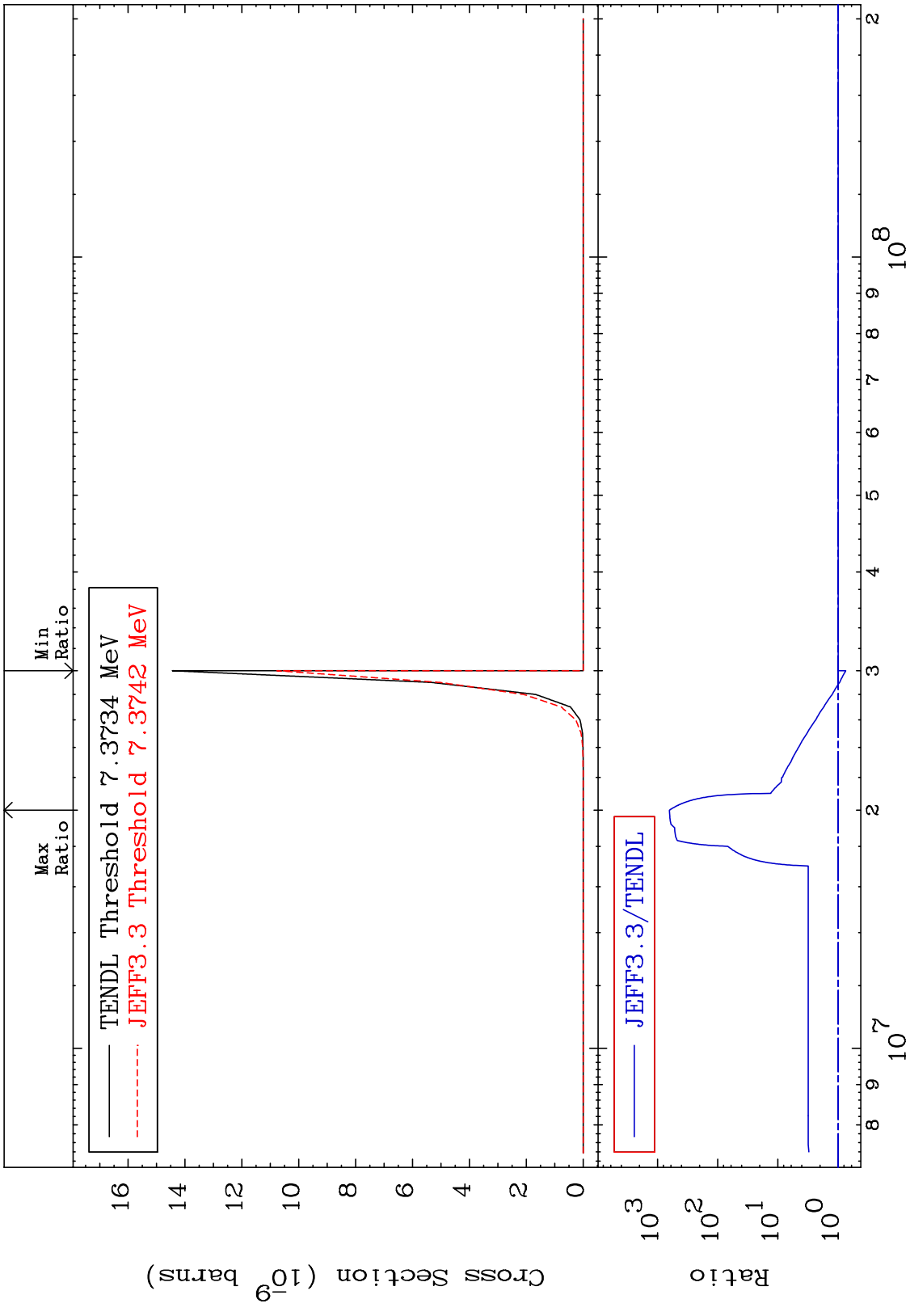
MAT 6840 (n,3n) p 68-Er-167  
Cross Section -1.048 To 0.341 %



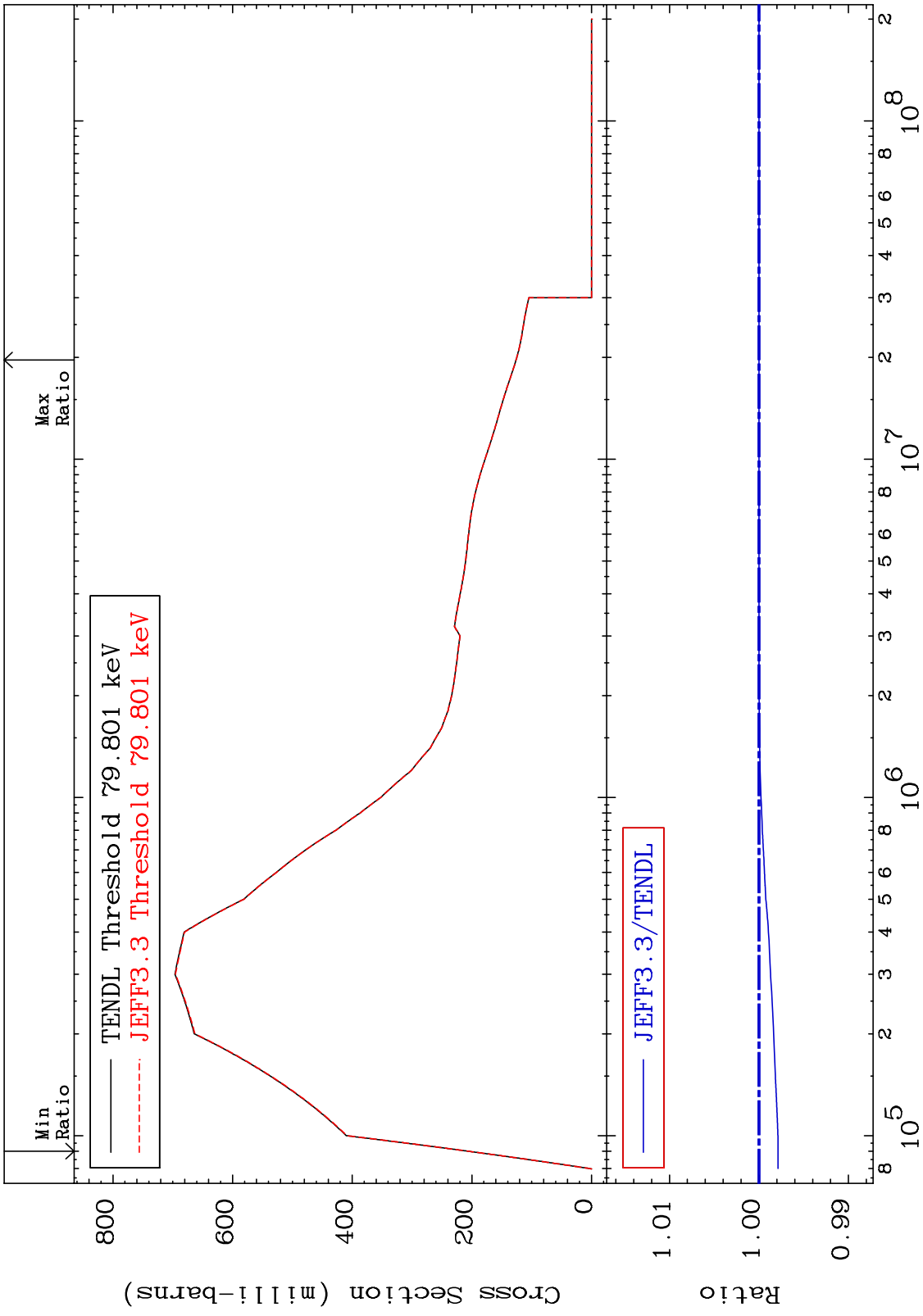
MAT 6840 (n,2n) p 68-Er-167  
Cross Section -0.975 To 0.218 %



MAT 6840 68-Er-167  
-25.46 To 9999. %  
 (n,n') p α  
 Cross Section

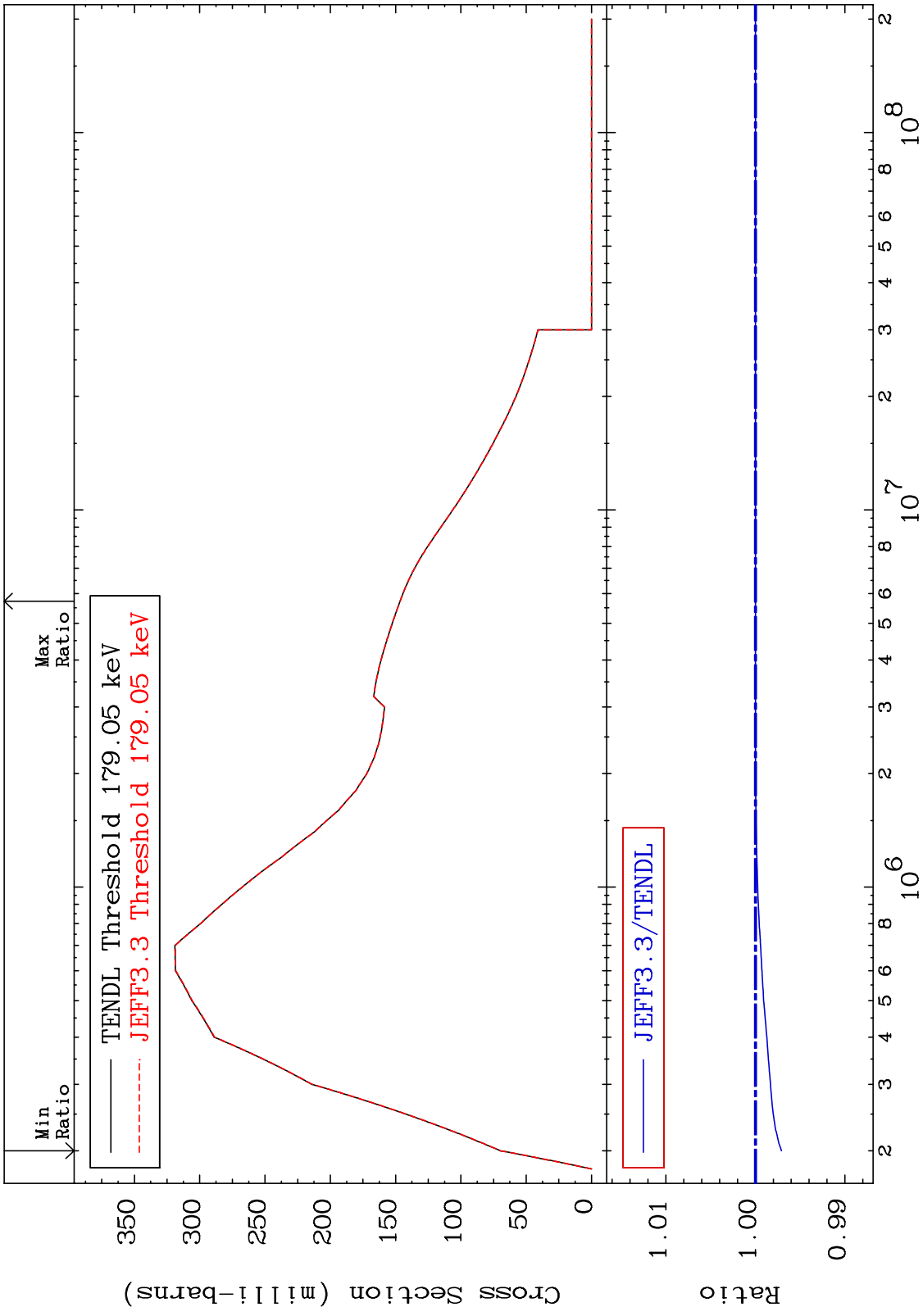


MAT 6840 MT= 51 (n,n') Level Cross Section 68-Er-167 -0.212 To 0.000 %

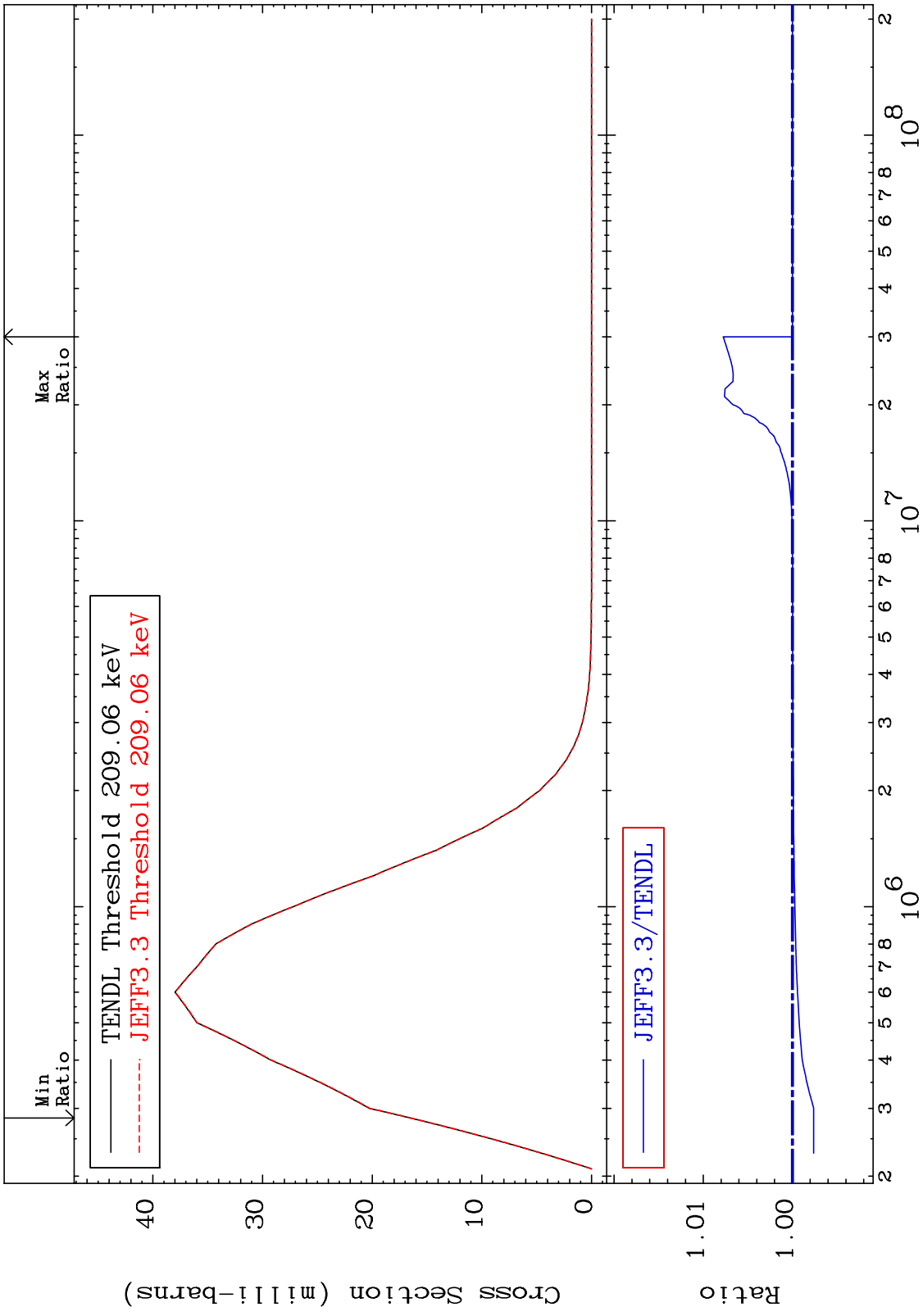


20 Incident Energy (eV) 68-Er-167

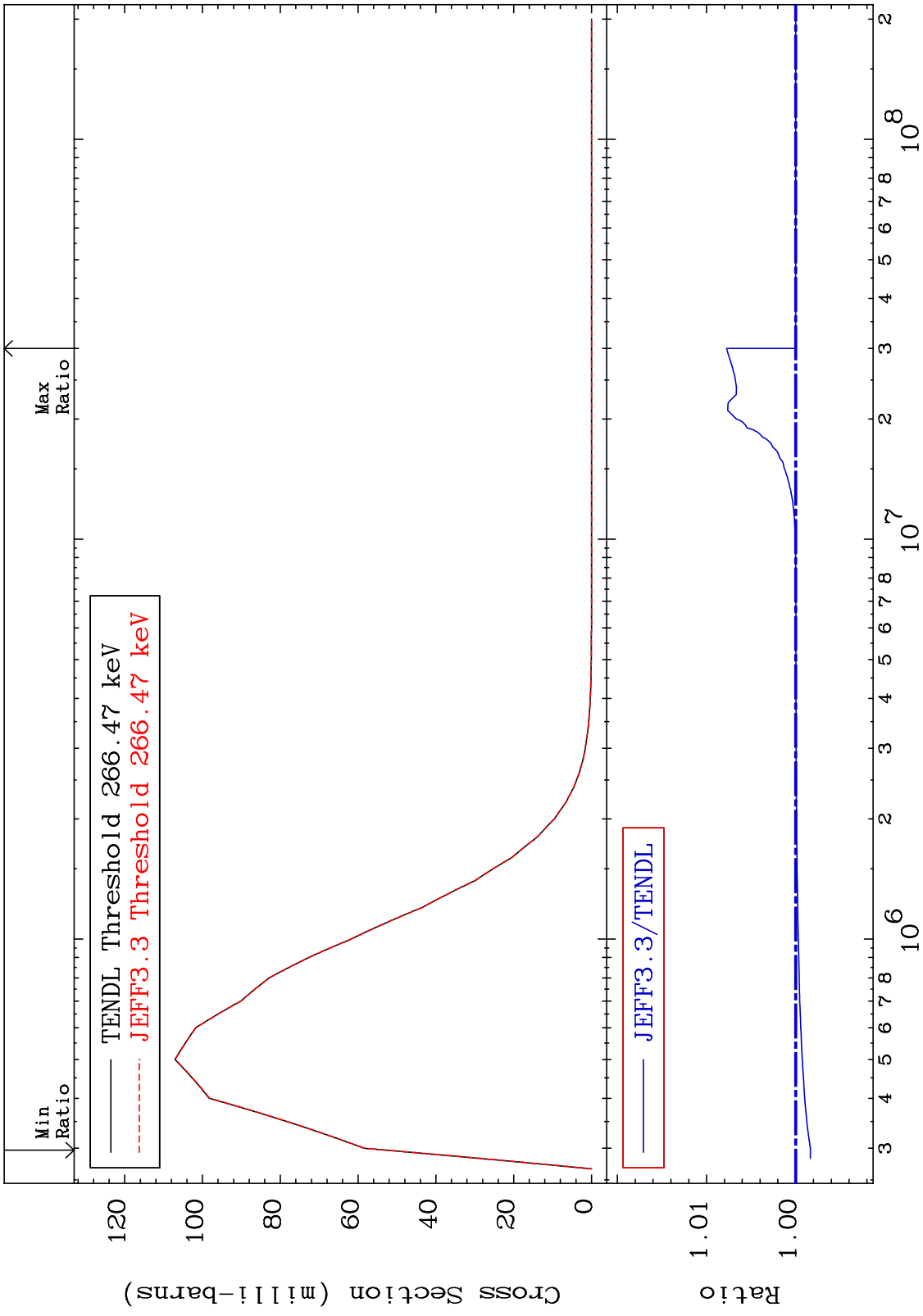
MAT 6840 MT= 52 (n,n') Level Cross Section 68-Er-167  
 -0.291 To 0.000 %



MAT 6840 MT= 53 (n,n') Level Cross Section 68-Er-167 -0.238 To 0.776 %

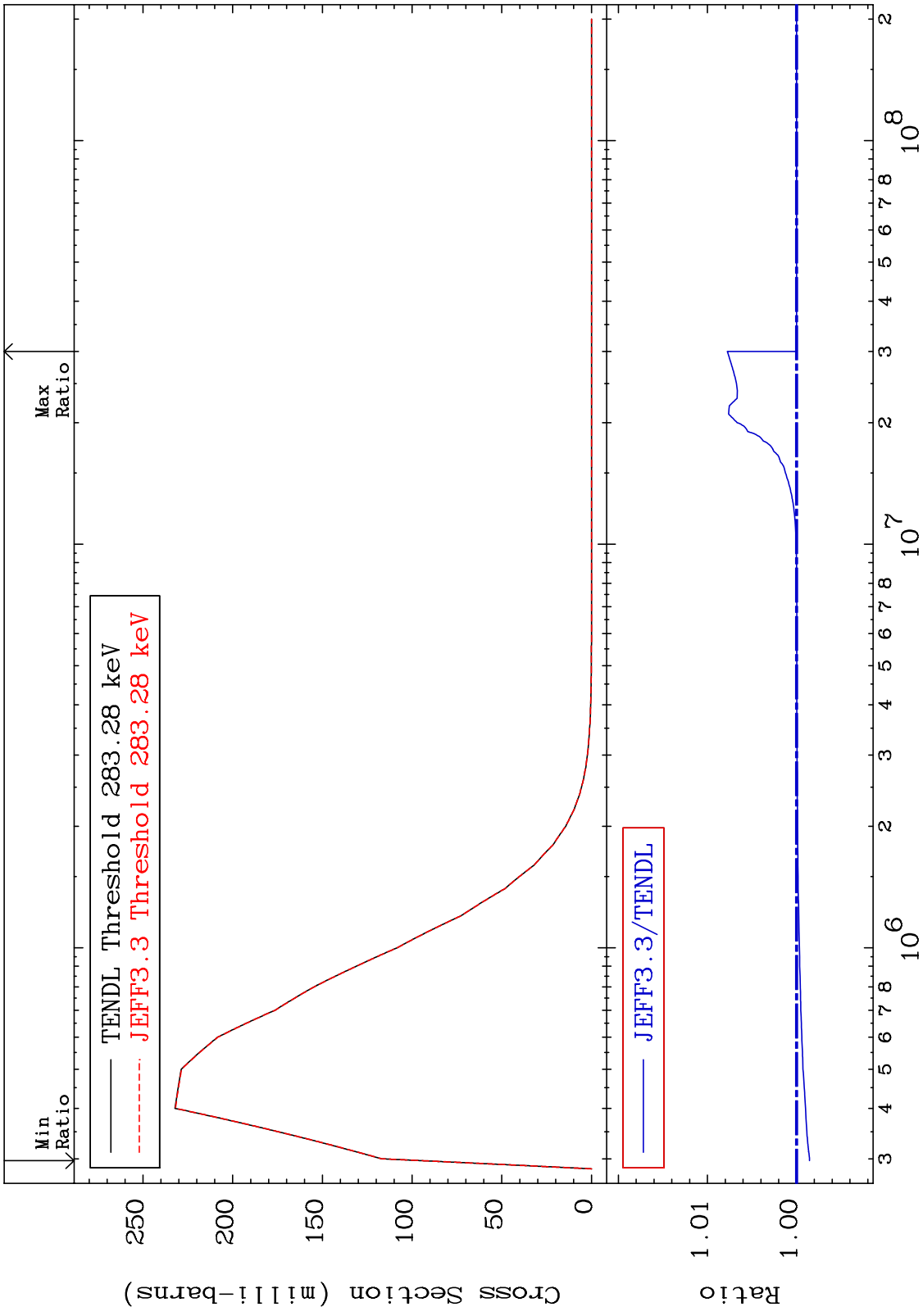


MAT 6840 MT= 54 (n,n') Level Cross Section 68-Er-167 -0.165 To 0.776 %

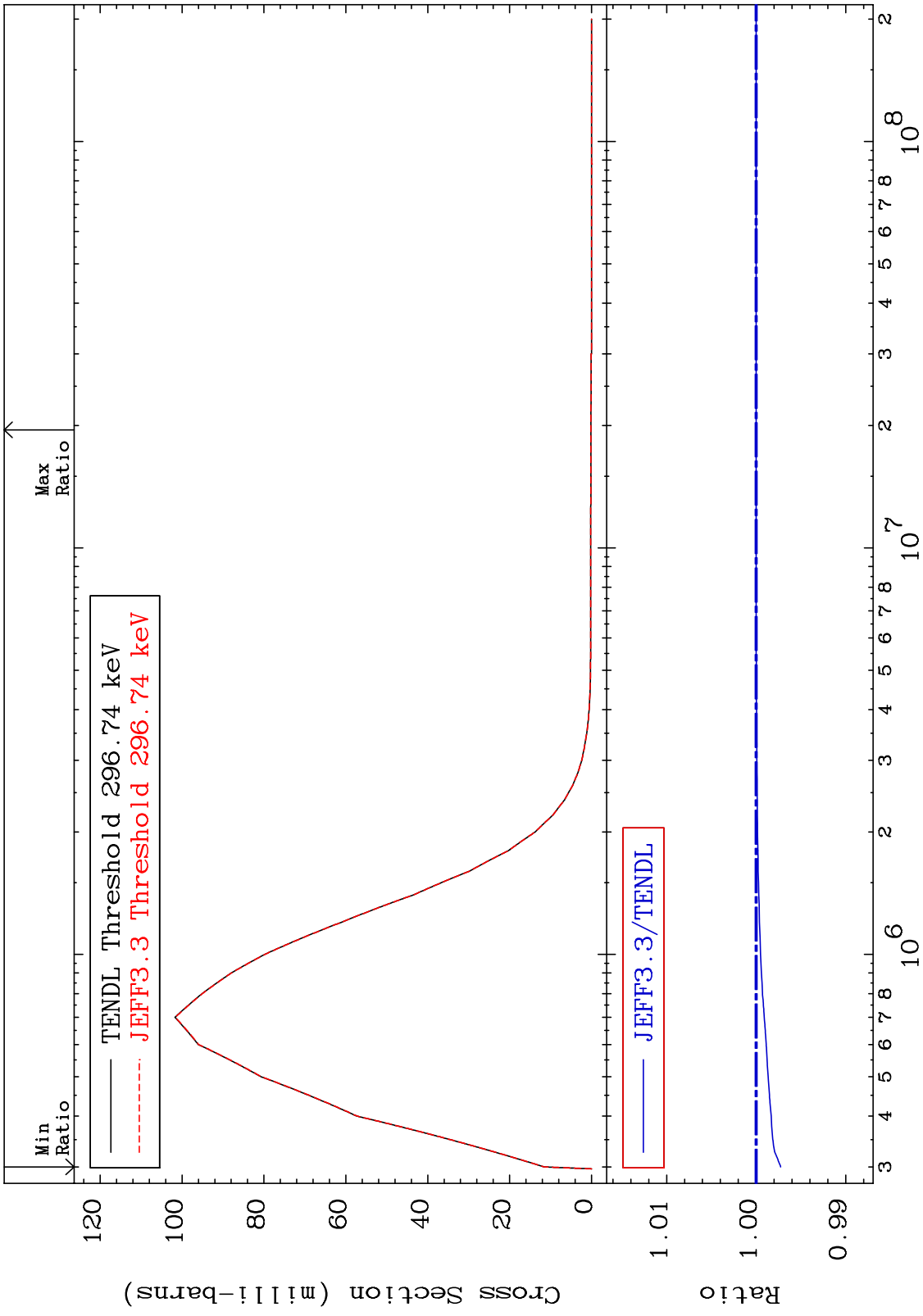




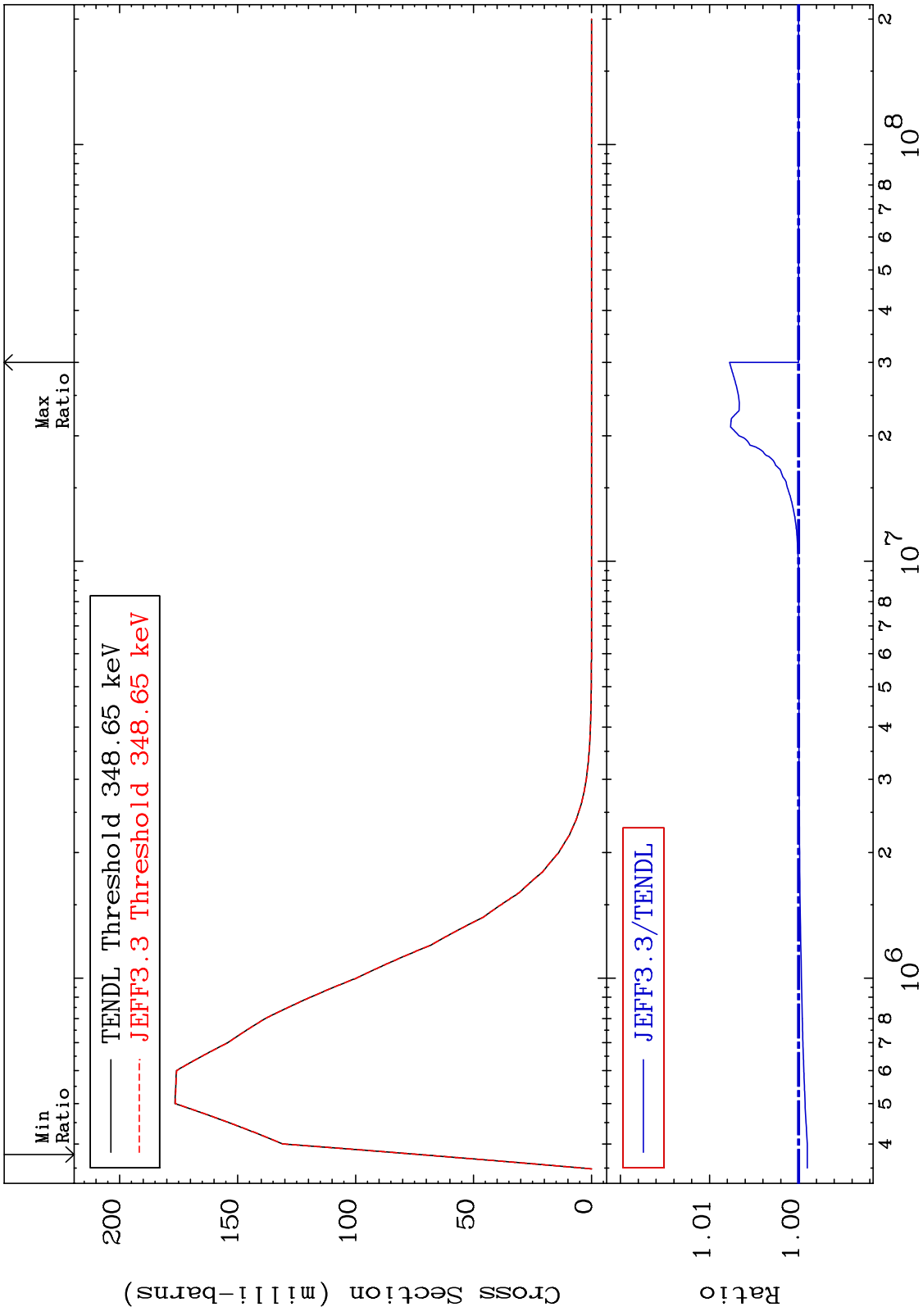
MAT 6840 MT= 55 (n,n') Level Cross Section 68-Er-167 -0.145 To 0.776 %



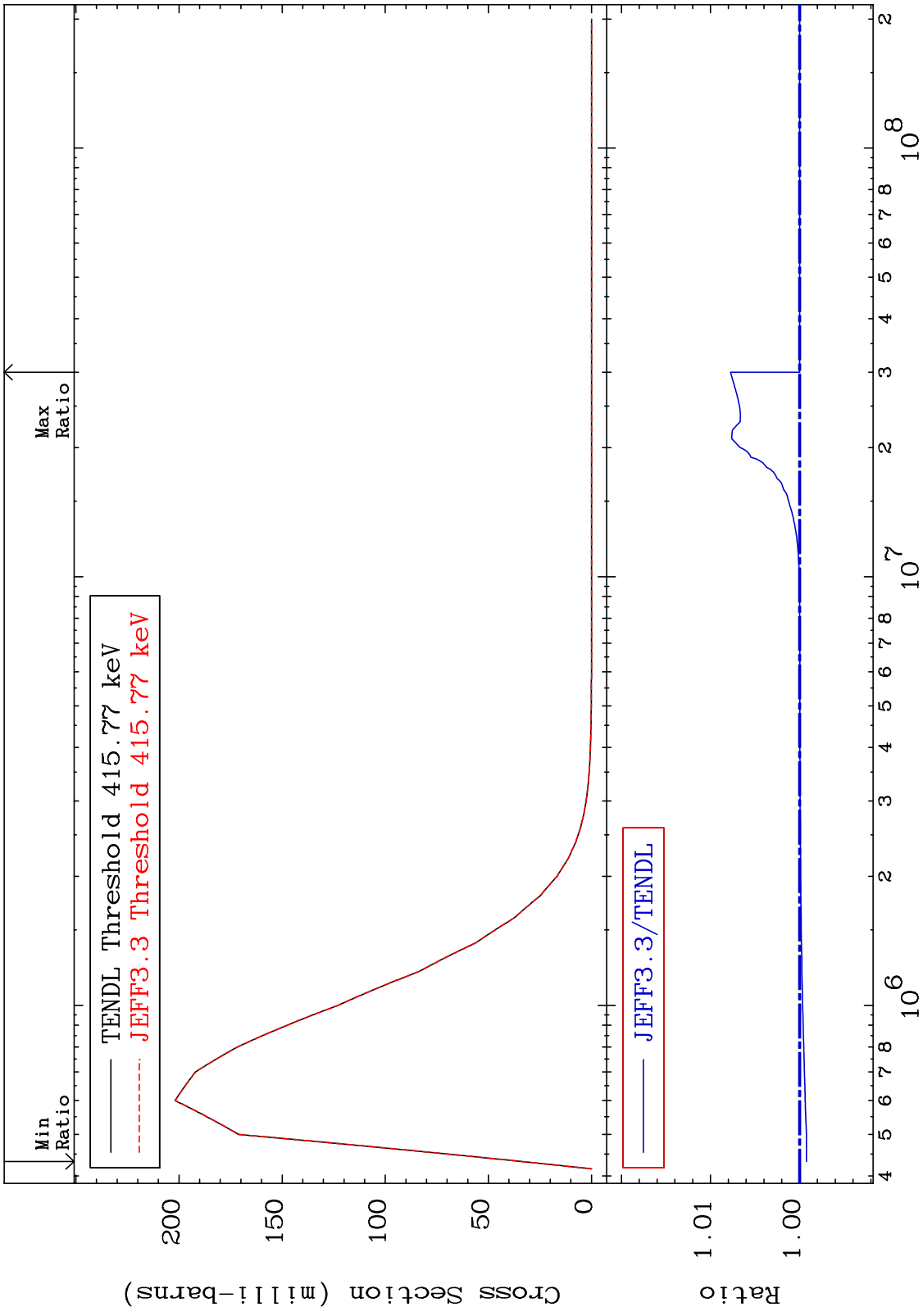
MAT 6840 MT= 56 (n,n') Level Cross Section 68-Er-167  
 -0.274 To 0.000 %



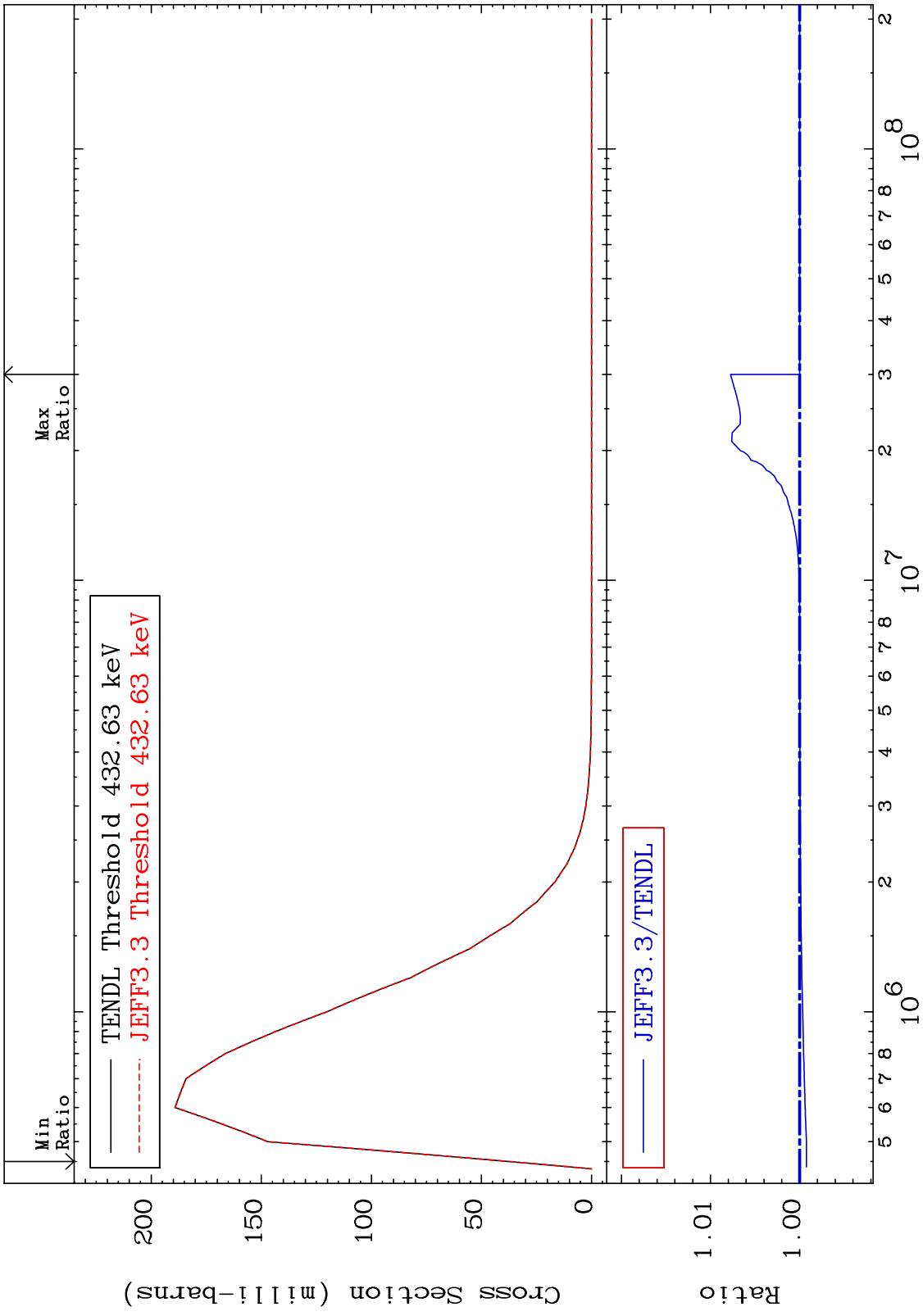
MAT 6840 MT= 57 (n,n') Level Cross Section 68-Er-167 -0.099 To 0.776 %



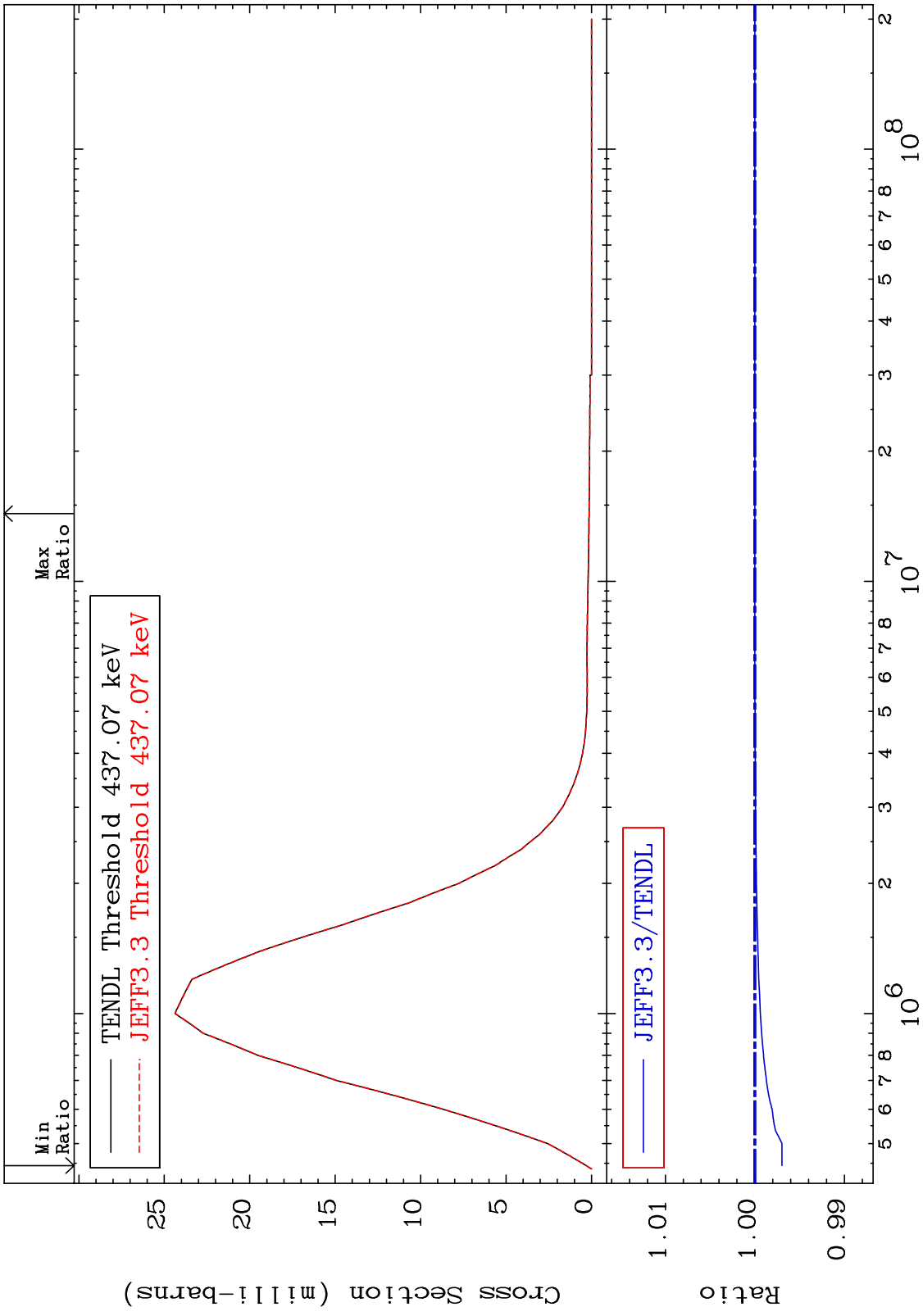
MAT 6840 MT= 58 (n,n') Level Cross Section 68-Er-167  
 -0.076 To 0.776 %



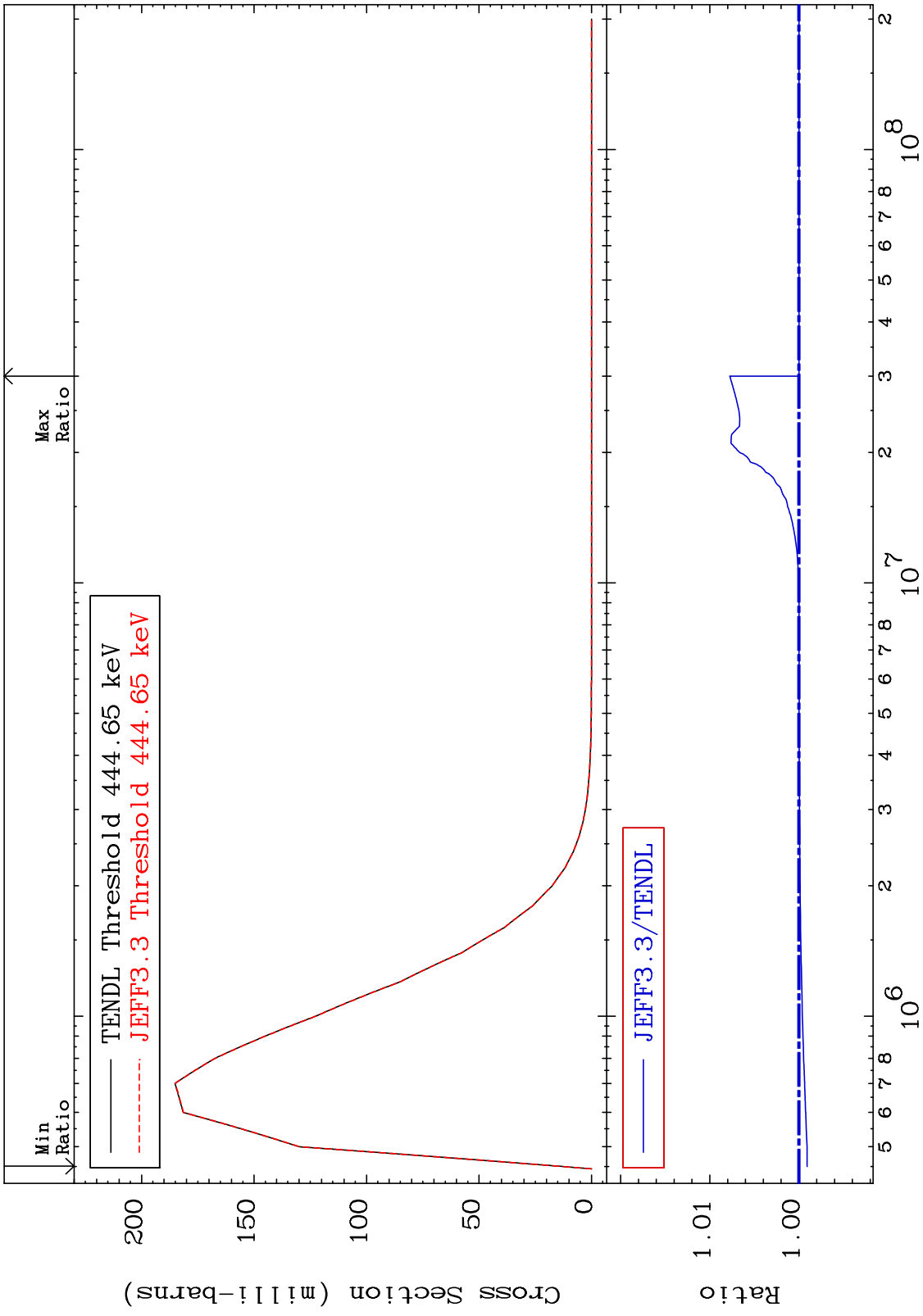
MAT 6840 MT= 59 (n,n') Level Cross Section 68-Er-167 -0.077 To 0.776 %



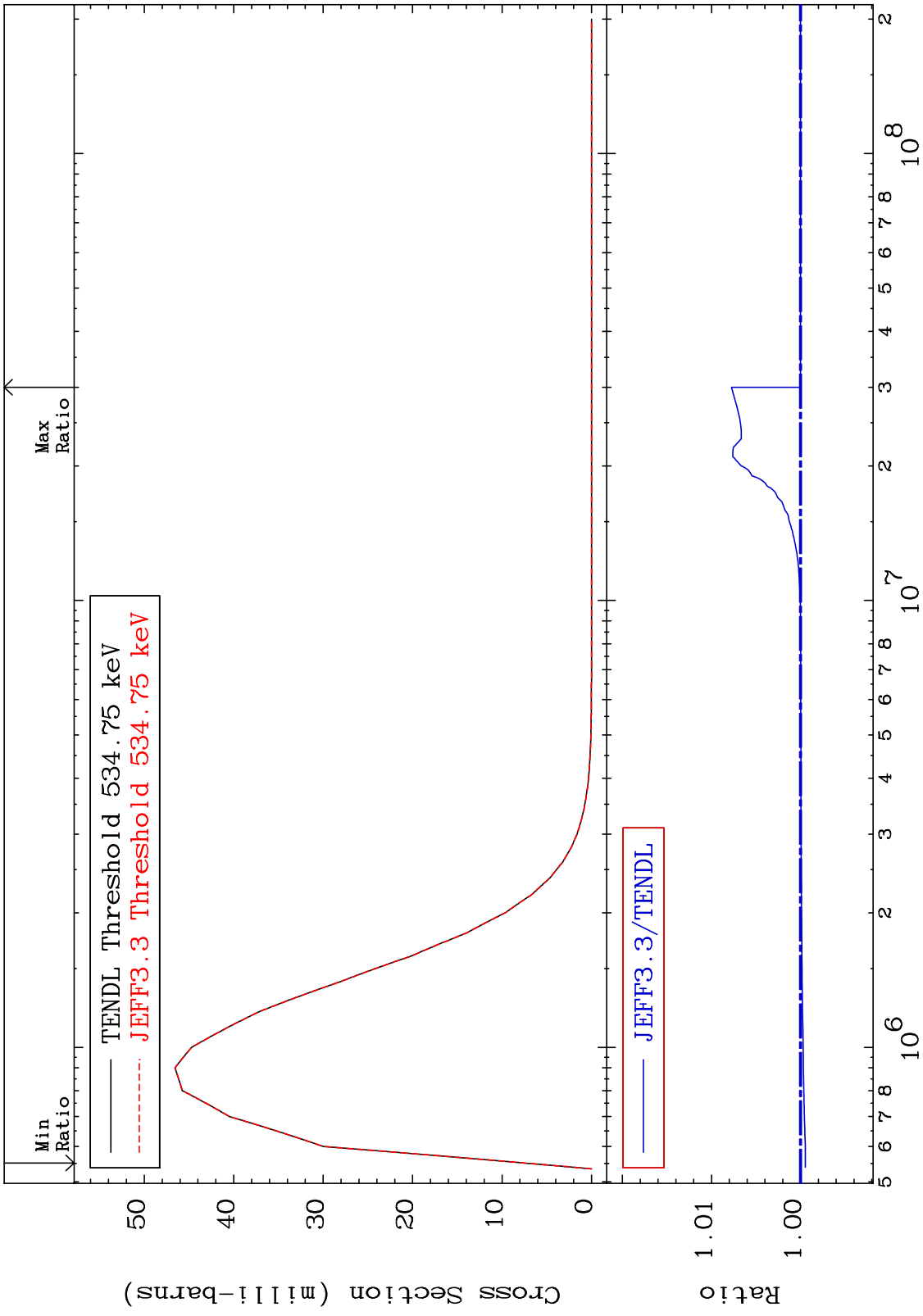
MAT 6840 MT= 60 (n,n') Level Cross Section 68-Er-167  
 -0.303 To 0.000 %



MAT 6840 MT= 61 (n,n') Level Cross Section 68-Er-167  
 -0.092 To 0.776 %

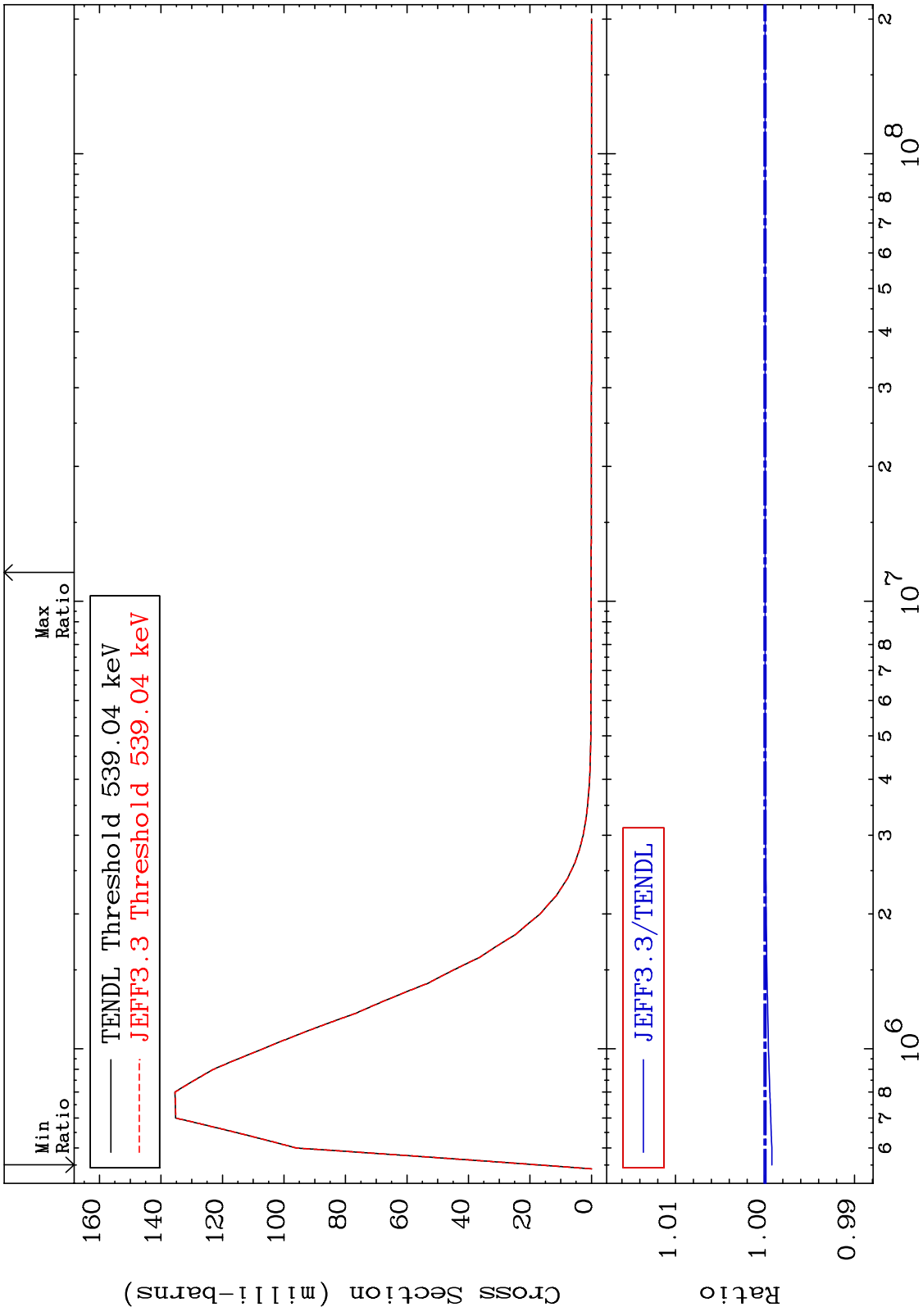


MAT 6840 MT= 62 (n,n') Level Cross Section 68-Er-167  
 -0.054 To 0.776 %

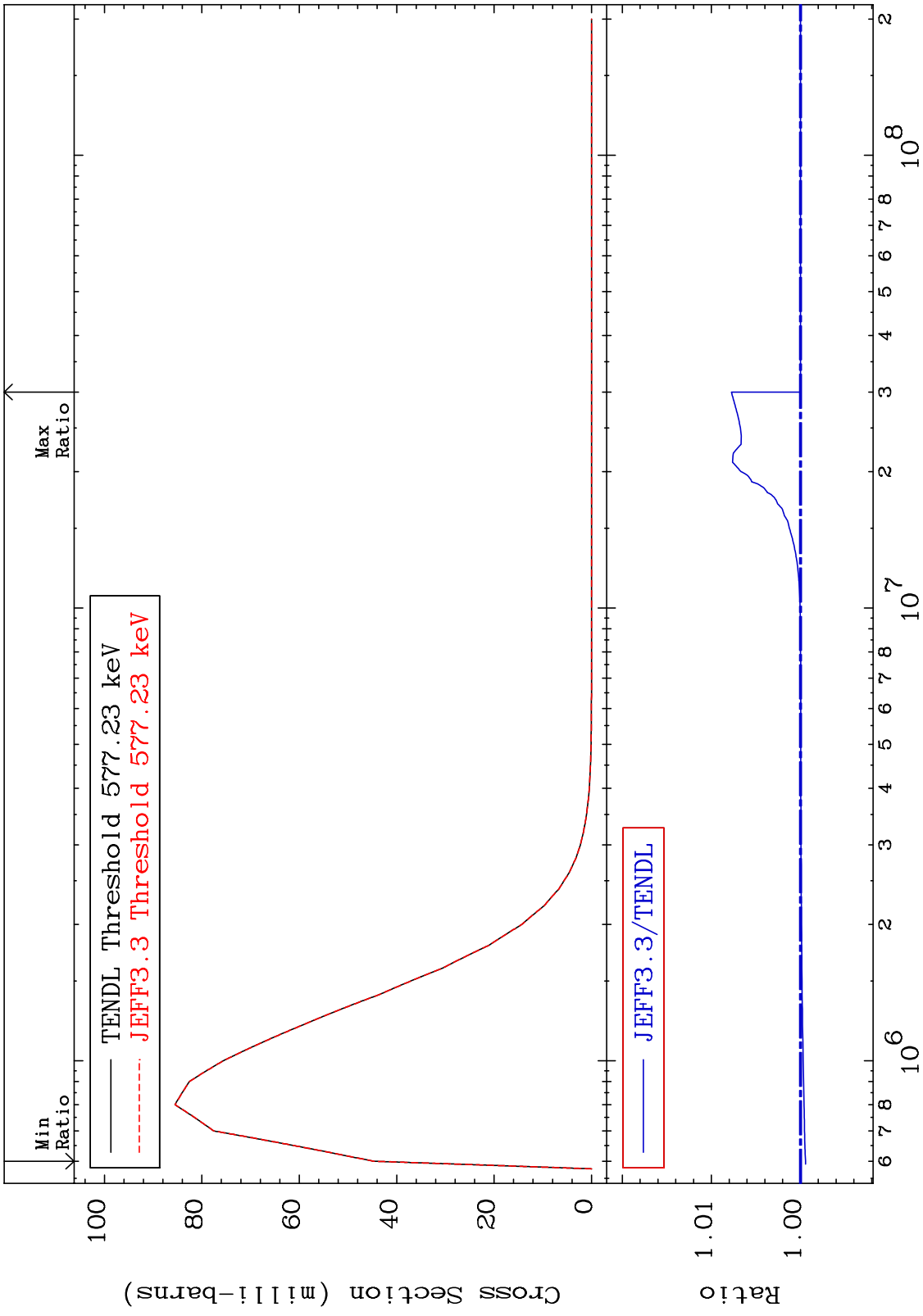




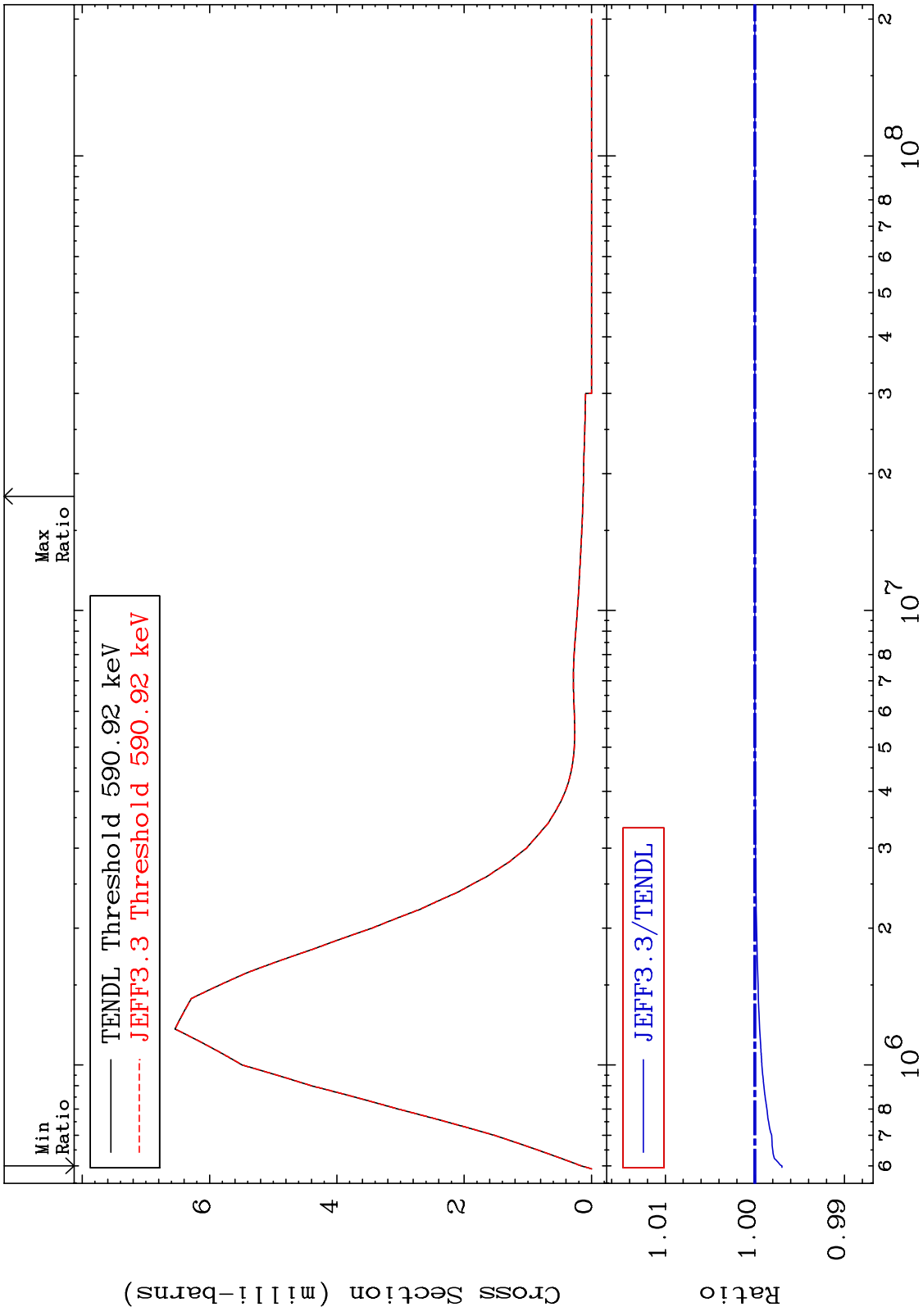
MAT 6840 MT= 63 (n,n') Level Cross Section 68-Er-167  
 -0.077 To 0.000 %



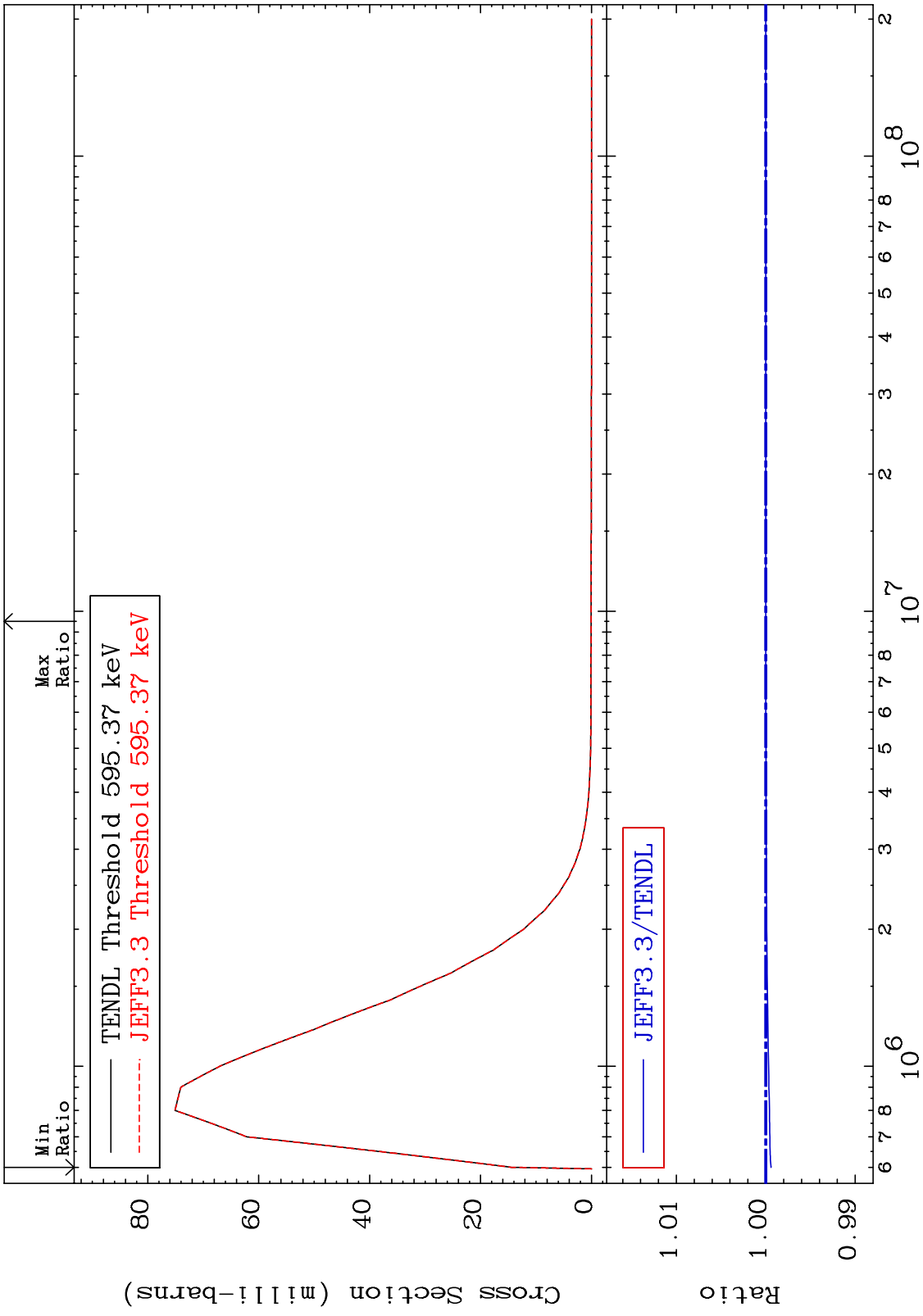
MAT 6840 MT= 64 (n,n') Level Cross Section 68-Er-167  
 -0.056 To 0.776 %



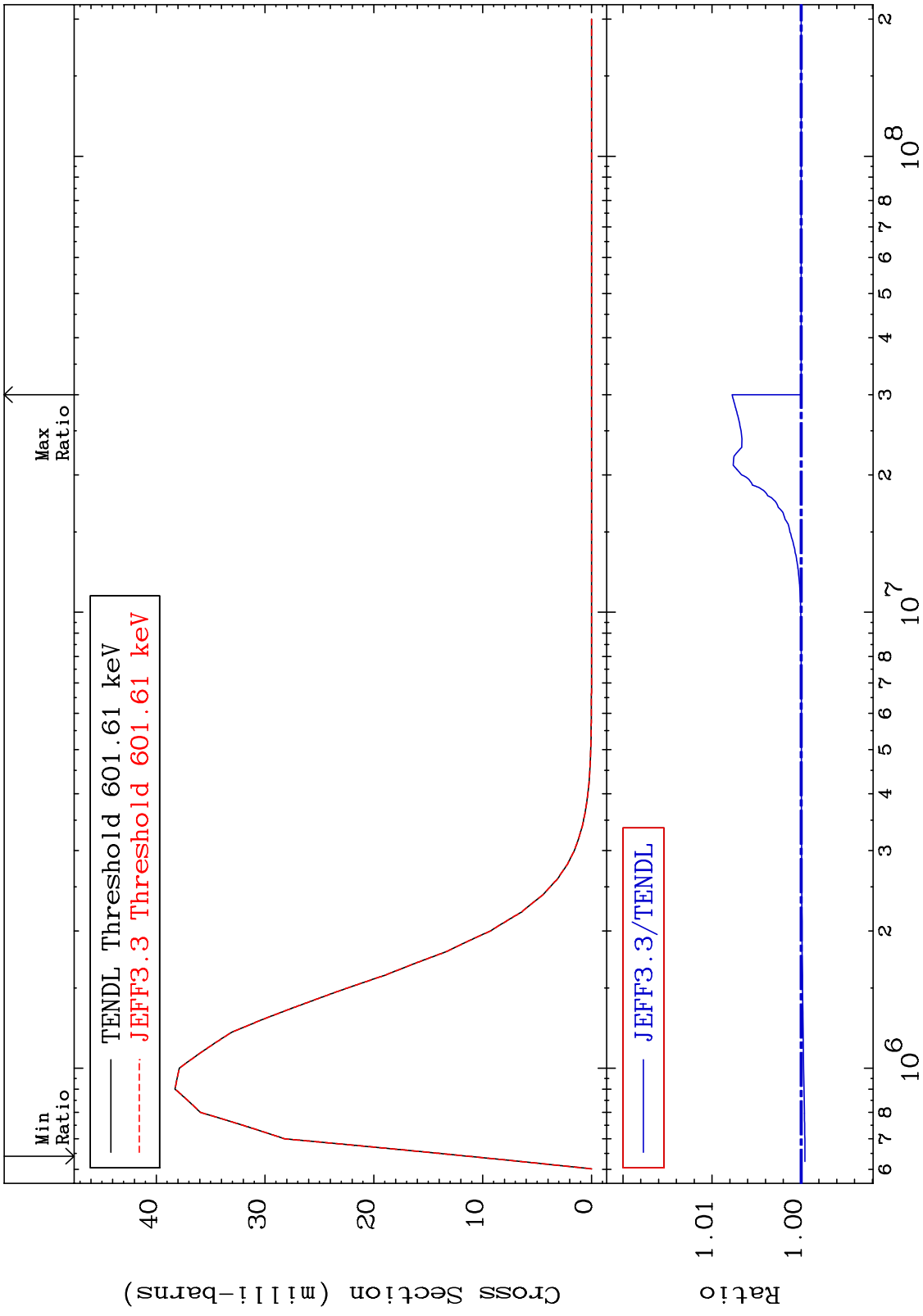
MAT 6840 MT= 65 (n,n') Level Cross Section 68-Er-167  
-0.304 To 0.000 %



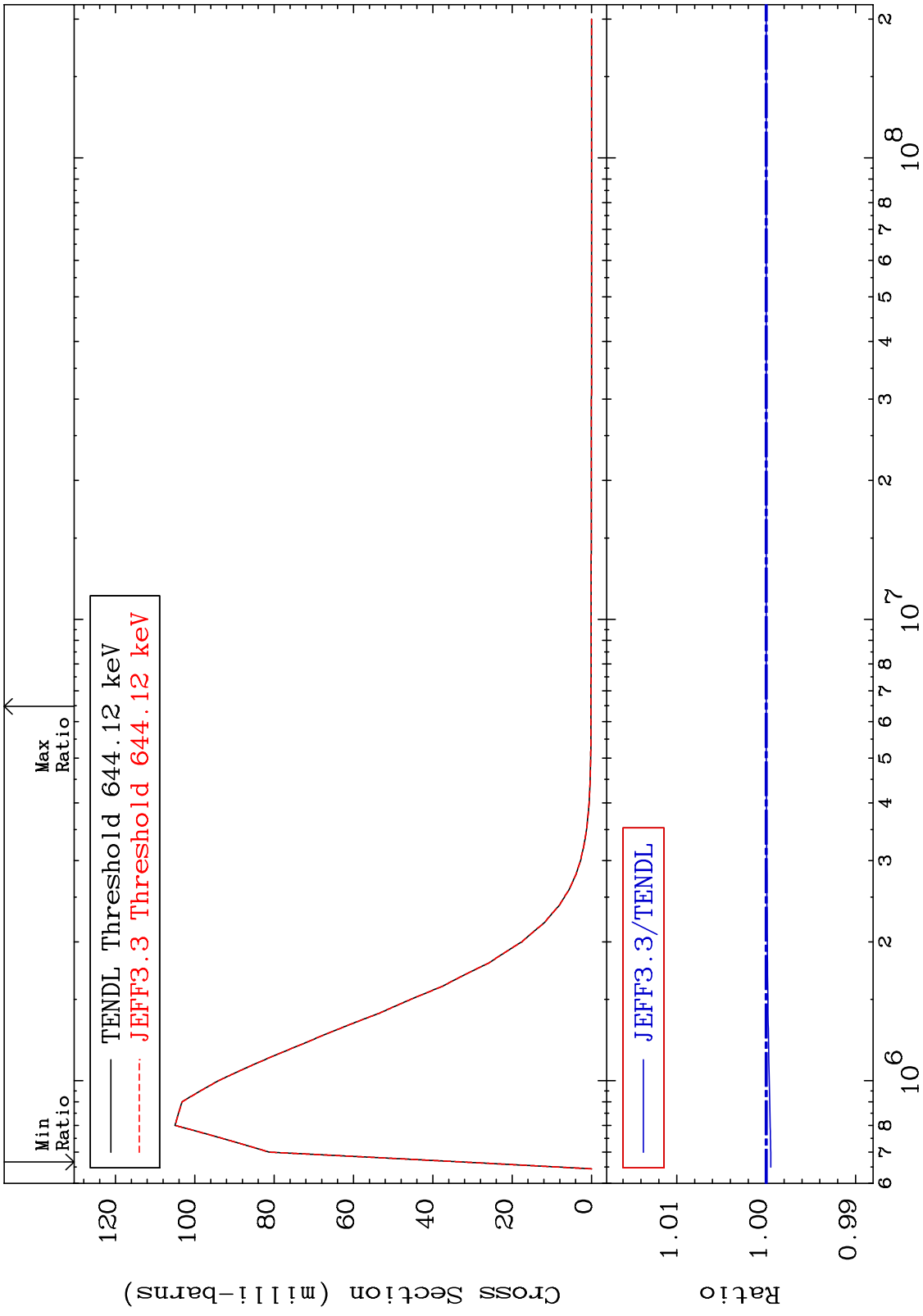
MAT 6840 MT= 66 (n,n') Level Cross Section 68-Er-167  
 -0.060 To 0.000 %



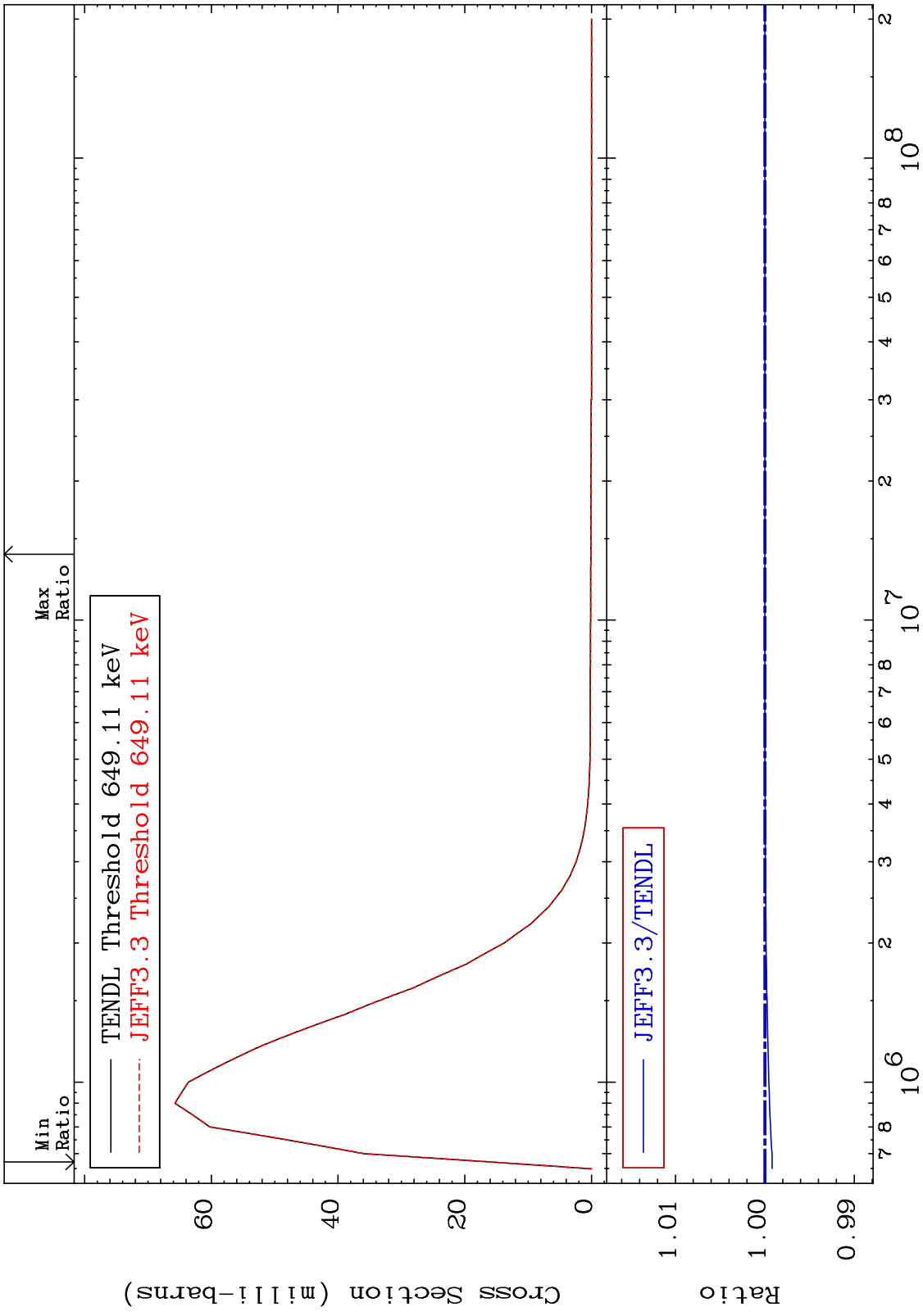
MAT 6840      MT= 67 (n,n') Level      68-Er-167  
 Cross Section      -0.042 To 0.776 %



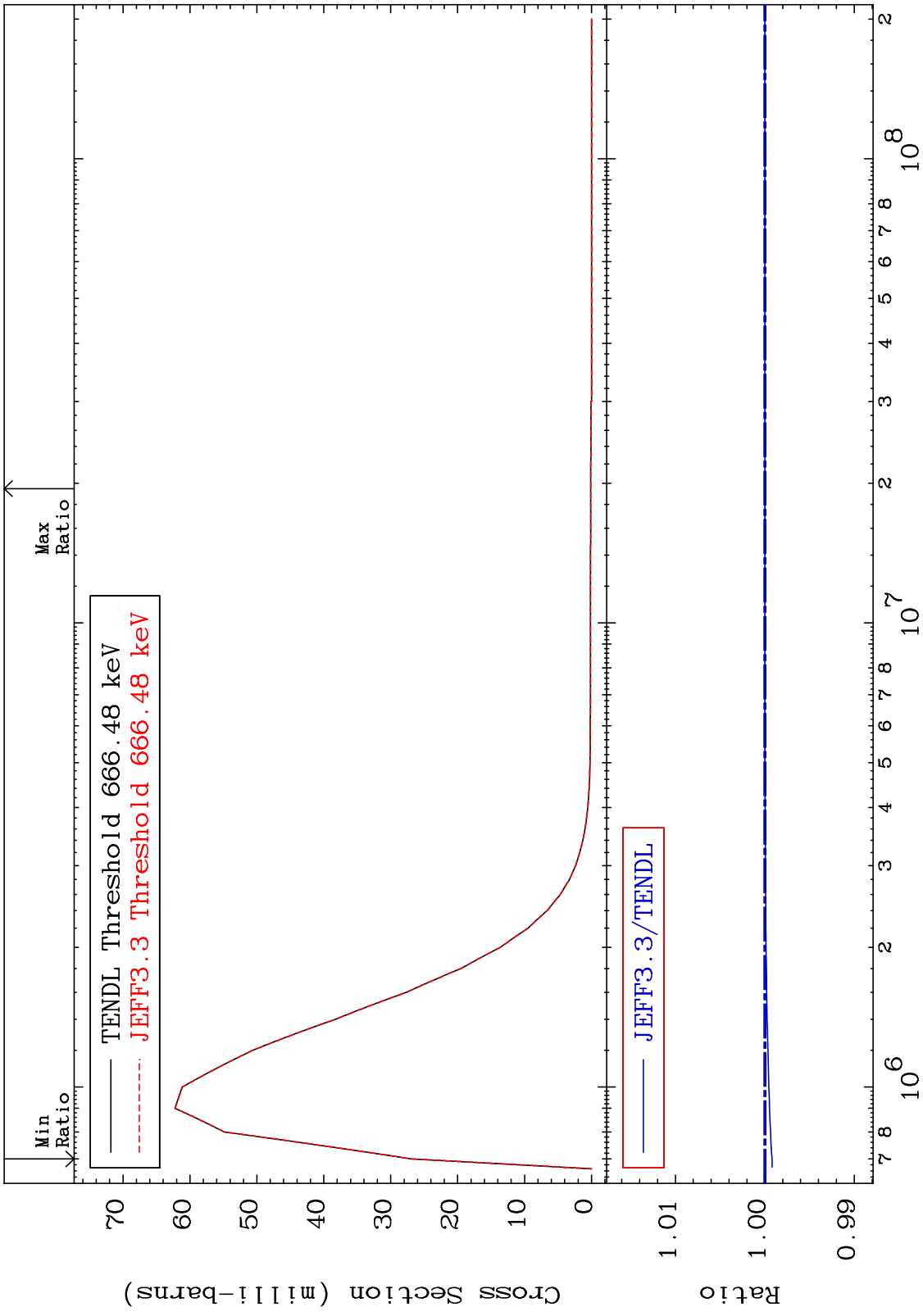
MAT 6840 MT= 68 (n,n') Level Cross Section 68-Er-167 -0.051 To 0.000 %



MAT 6840 MT= 69 (n,n') Level Cross Section 68-Er-167  
 -0.081 To 0.000 %

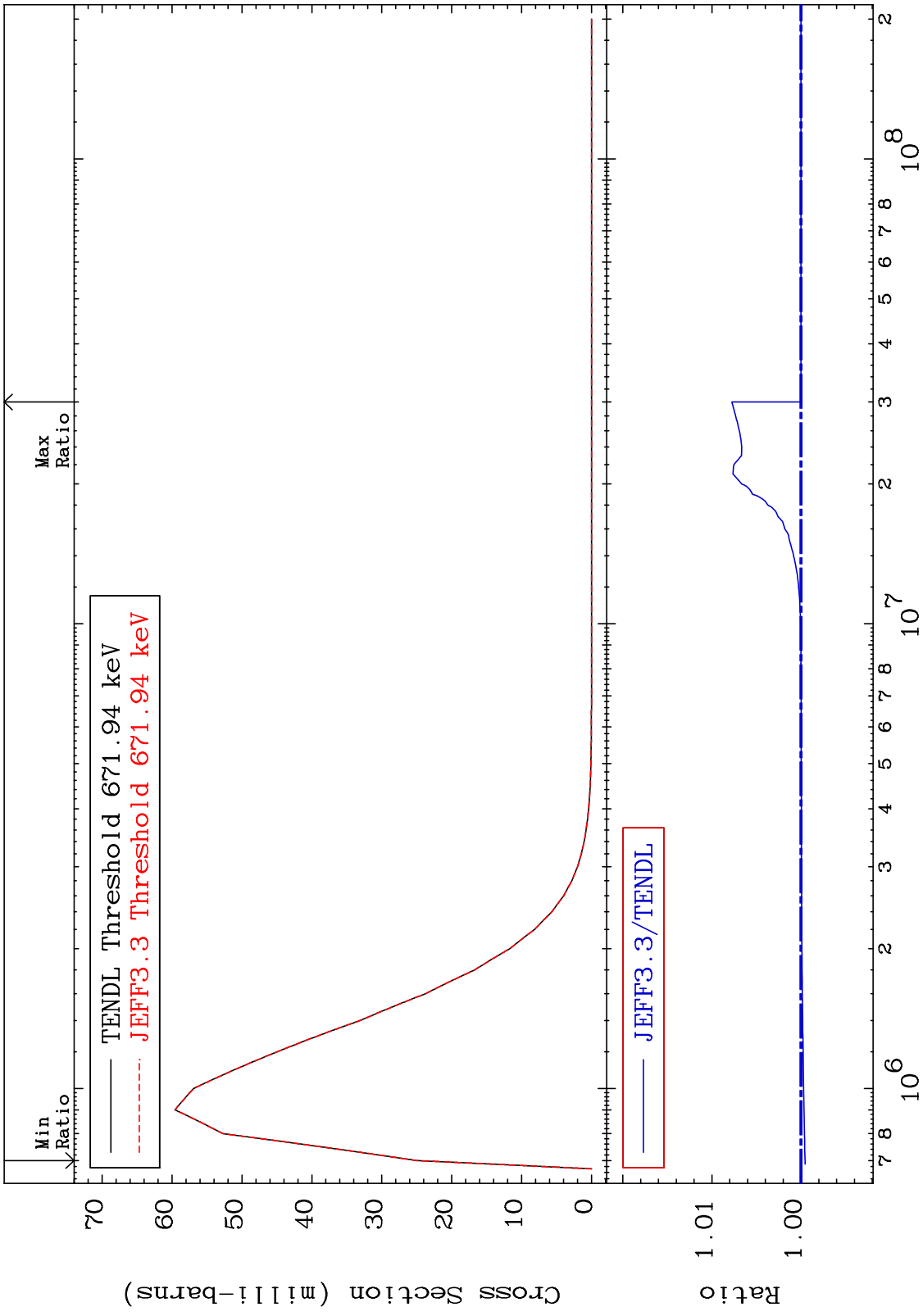


MAT 6840 MT= 70 (n,n') Level Cross Section 68-Er-167  
 -0.081 To 0.000 %



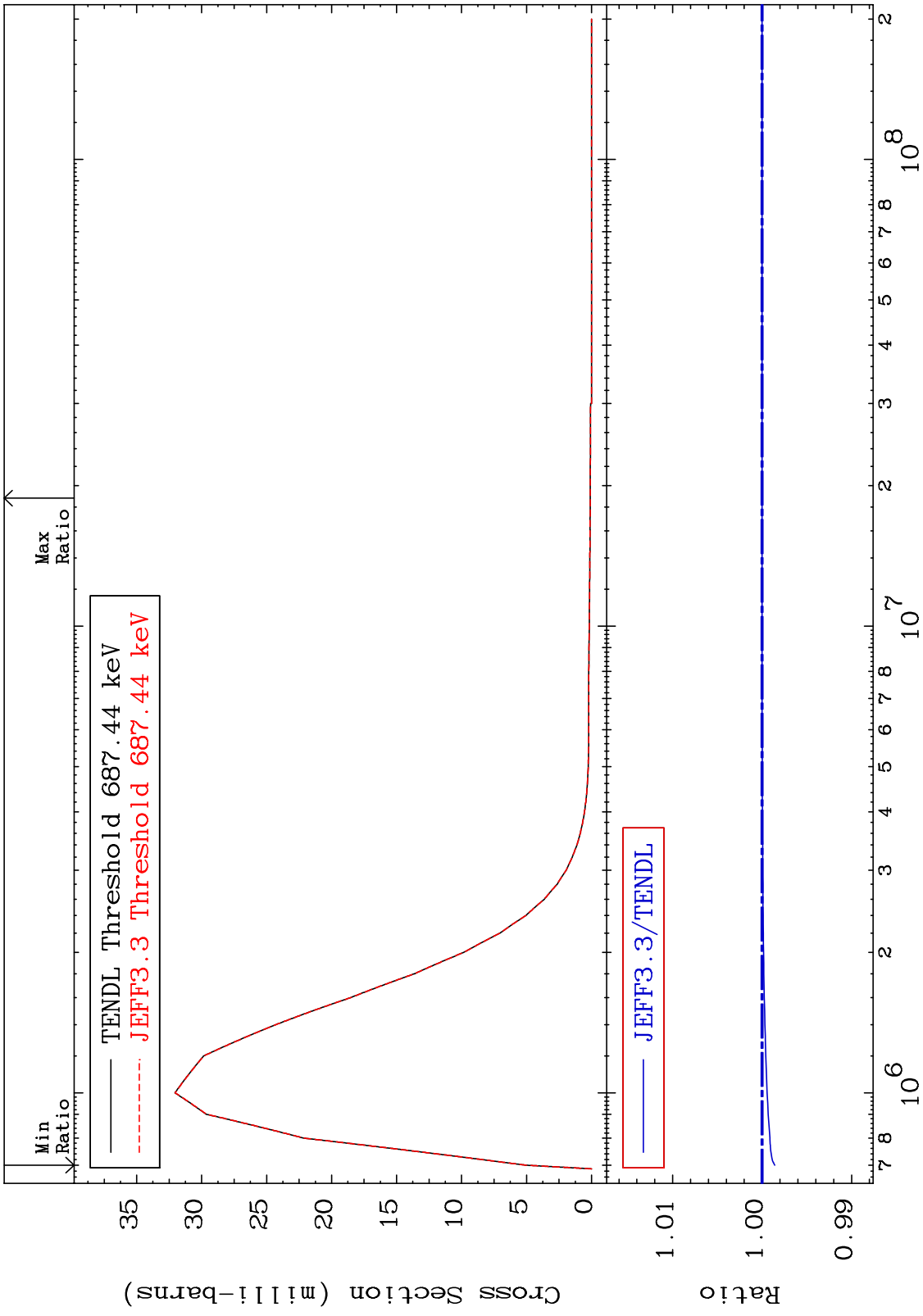


MAT 6840 MT= 71 (n,n') Level Cross Section 68-Er-167  
-0.045 To 0.776 %

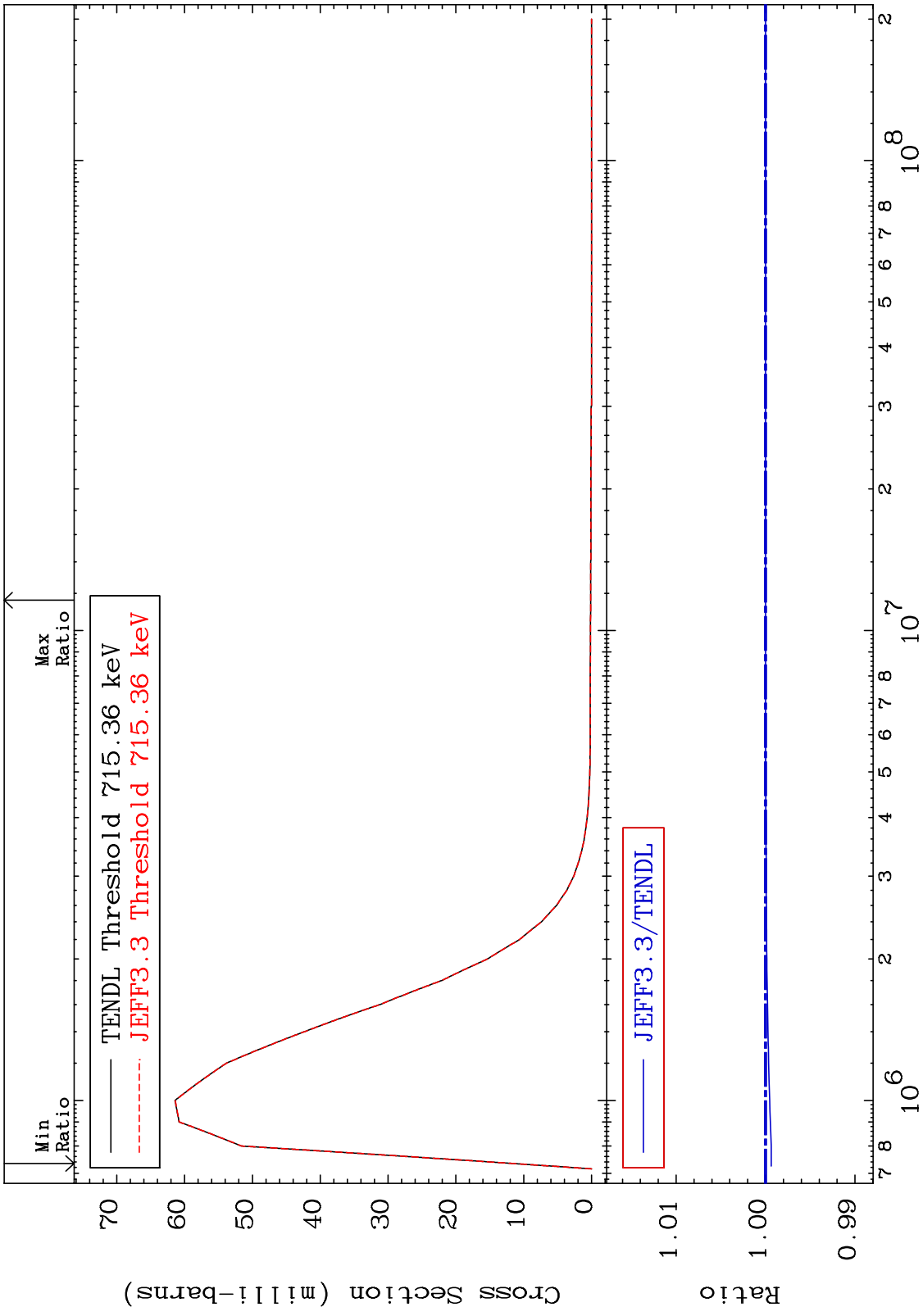


40 Incident Energy (eV) 68-Er-167

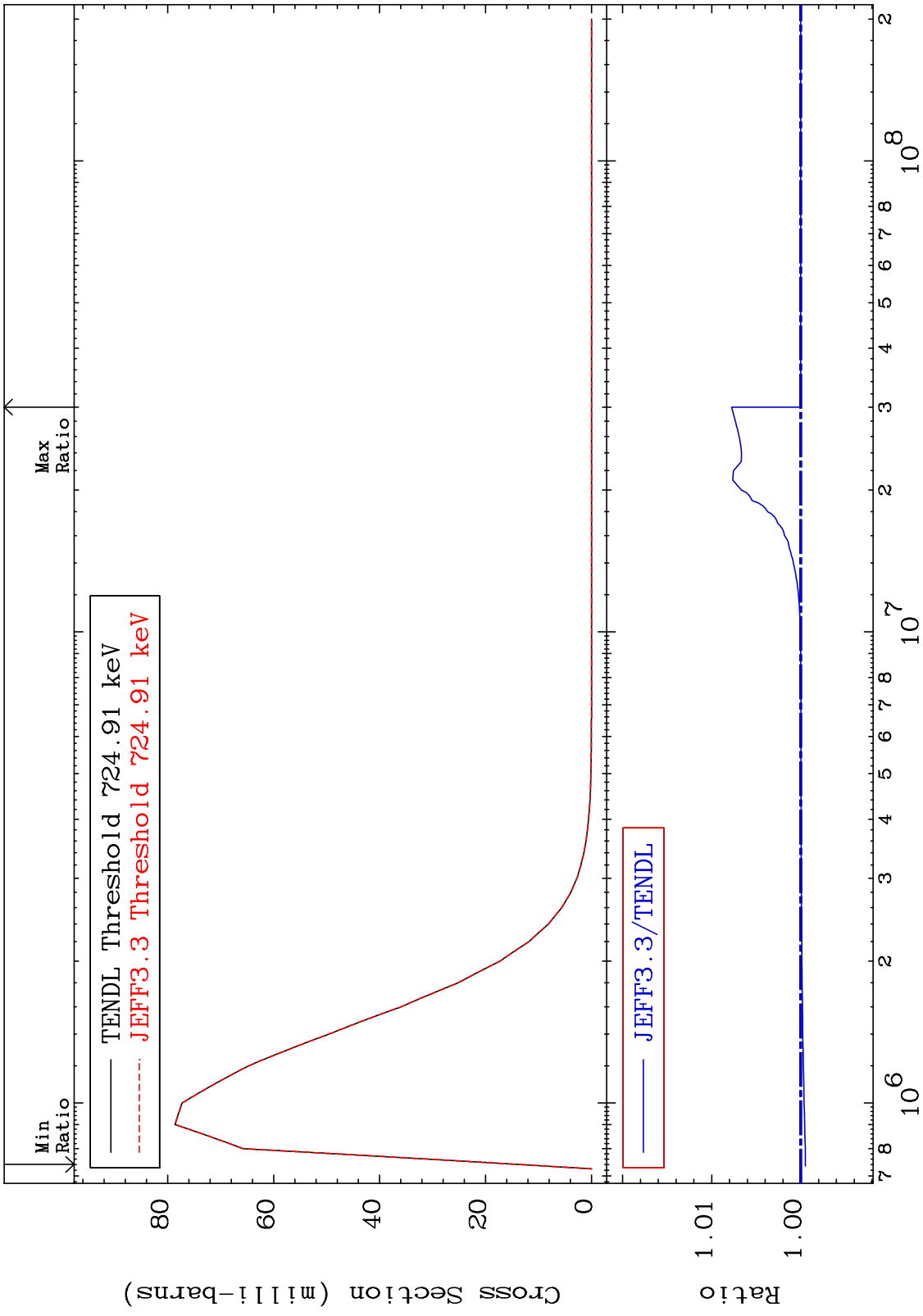
MAT 6840 MT= 72 (n,n') Level Cross Section 68-Er-167  
 -0.142 To 0.000 %



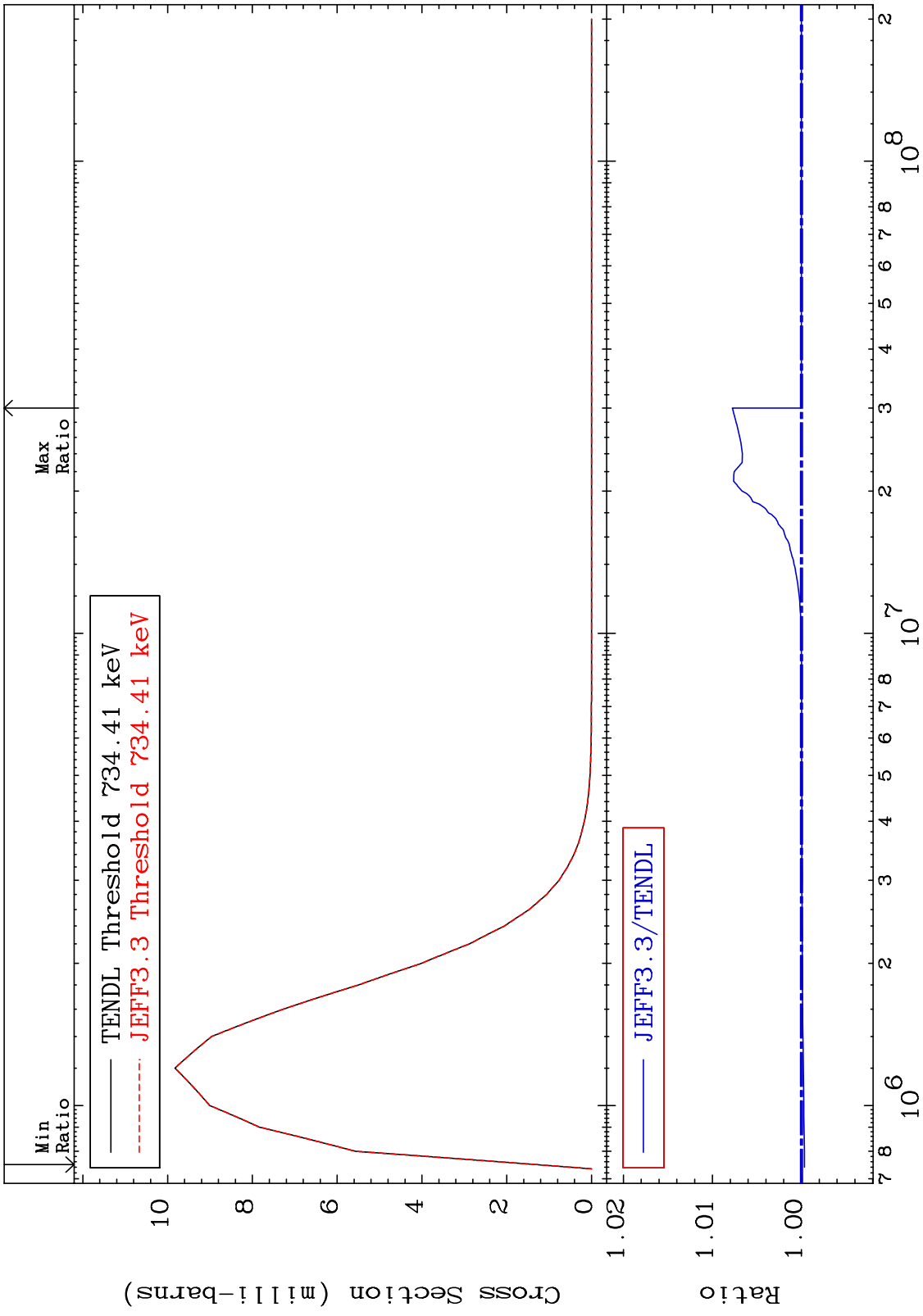
MAT 6840 MT= 73 (n,n') Level Cross Section 68-Er-167  
 -0.064 To 0.000 %



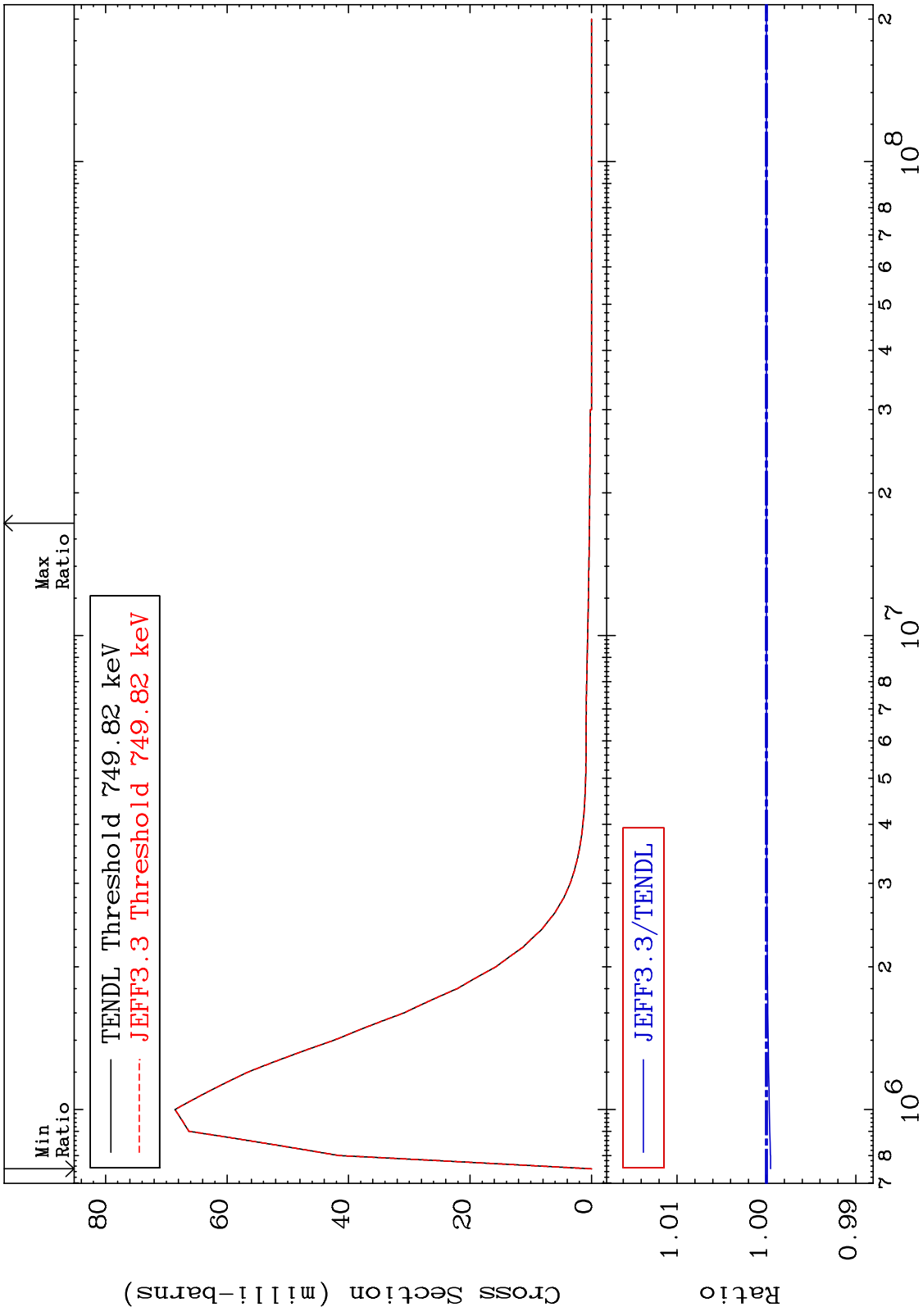
MAT 6840      MT= 74 (n,n') Level      68-Er-167  
 Cross Section      -0.051 To 0.776 %



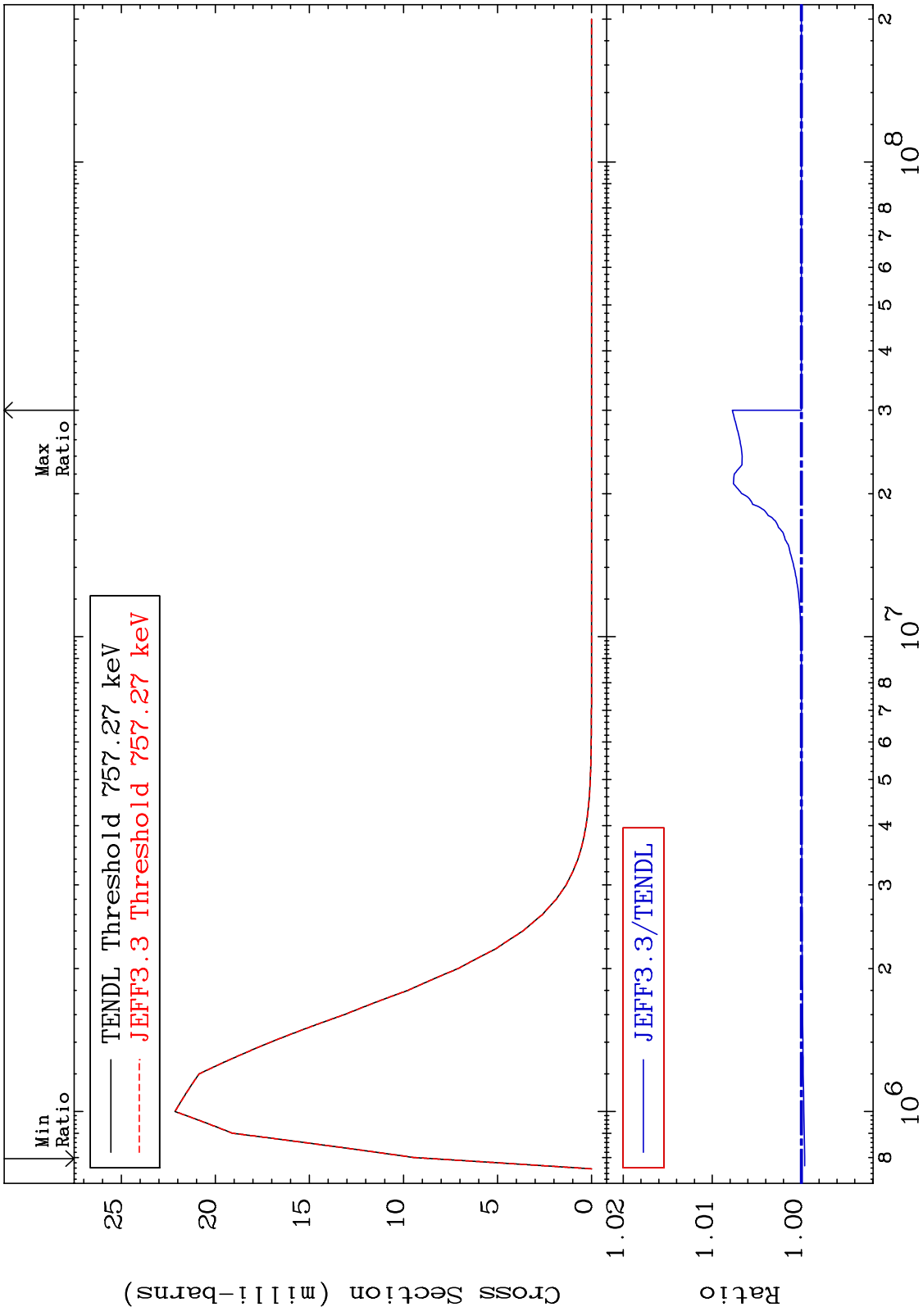
MAT 6840 MT= 75 (n,n') Level Cross Section 68-Er-167  
 -0.034 To 0.776 %



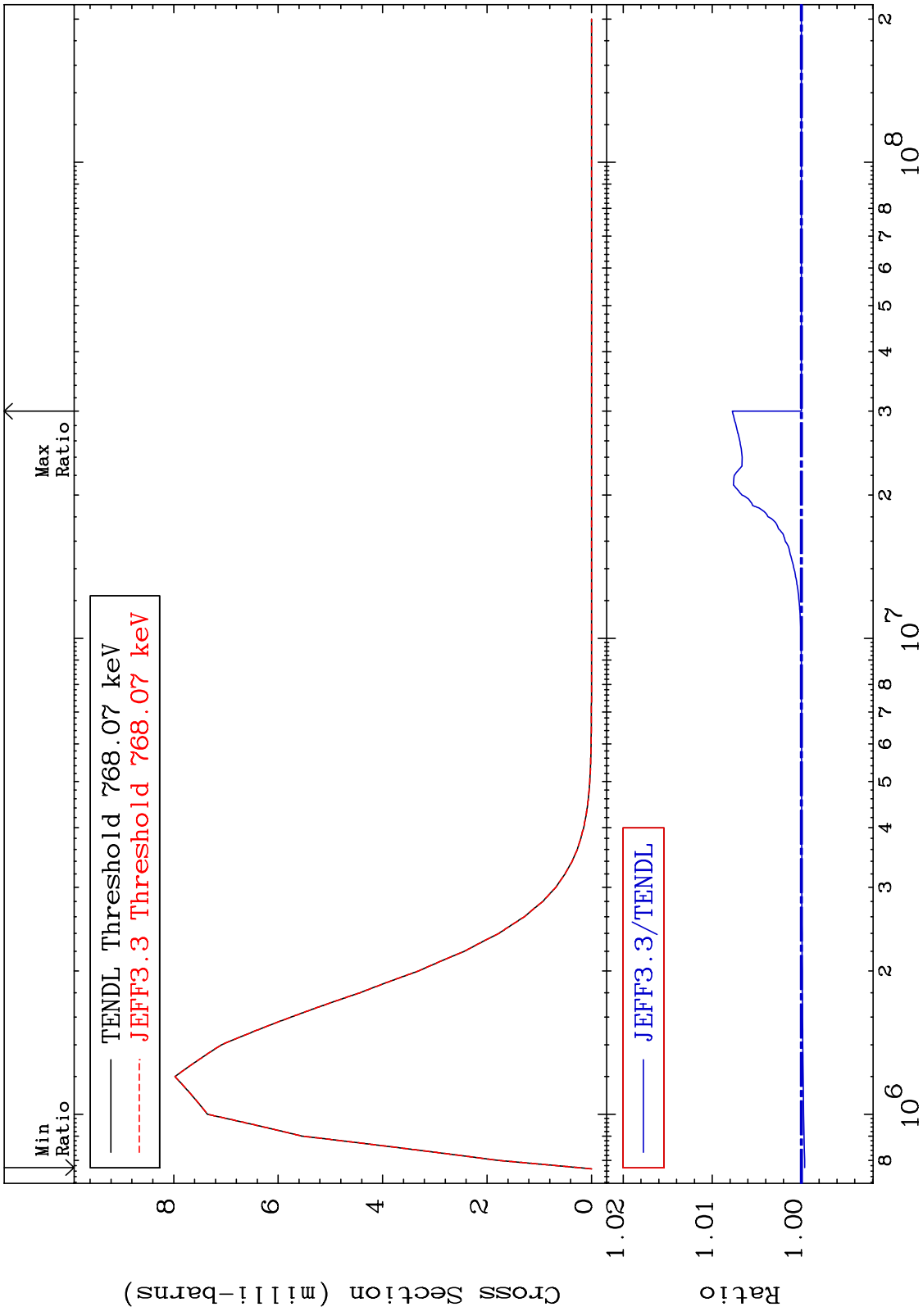
MAT 6840      MT= 76 (n,n') Level      68-Er-167  
Cross Section      -0.046 To 0.000 %



MAT 6840 MT= 77 (n,n') Level Cross Section 68-Er-167  
 -0.037 To 0.776 %

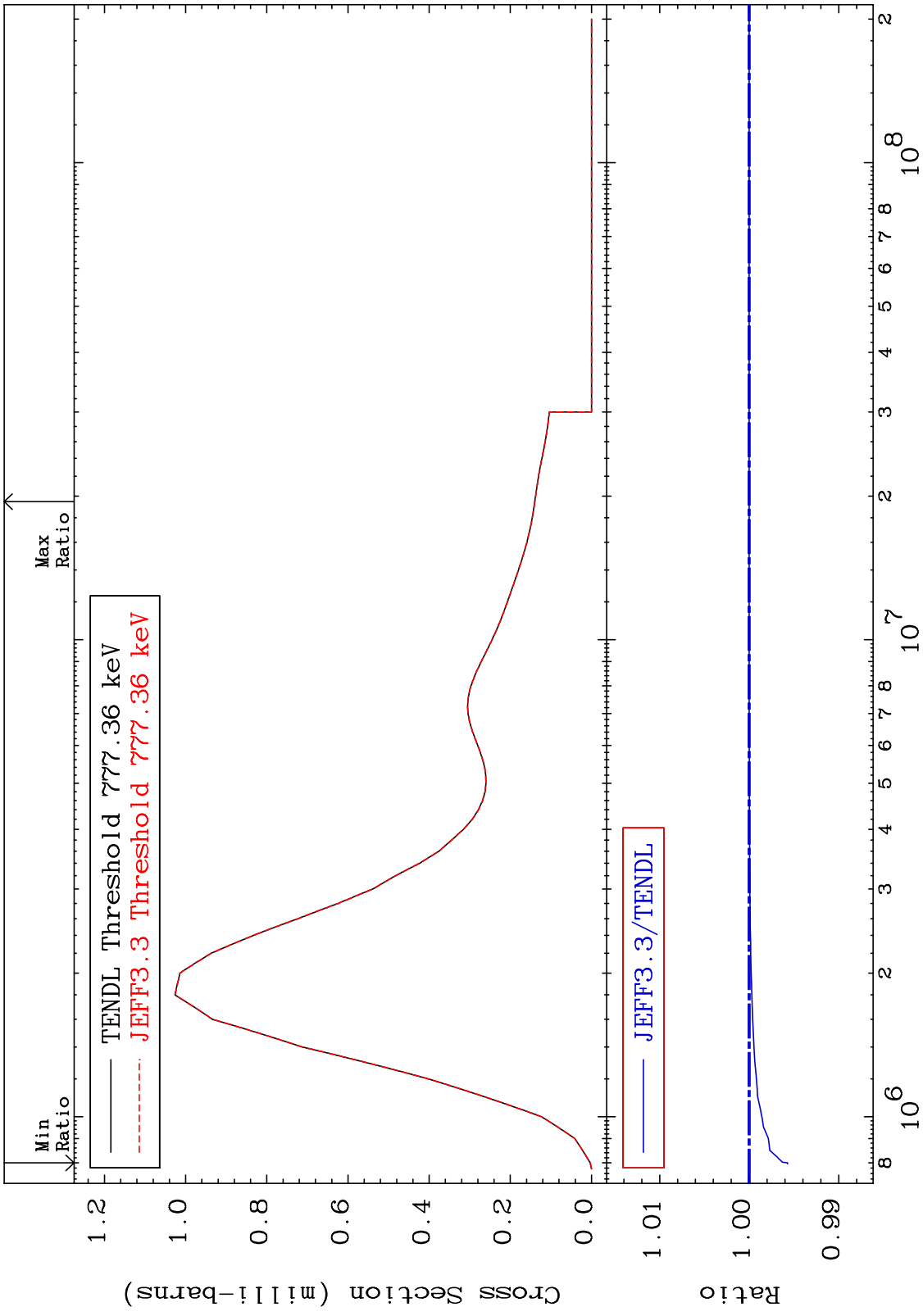


MAT 6840 MT= 78 (n,n') Level Cross Section 68-Er-167  
 -0.037 To 0.776 %

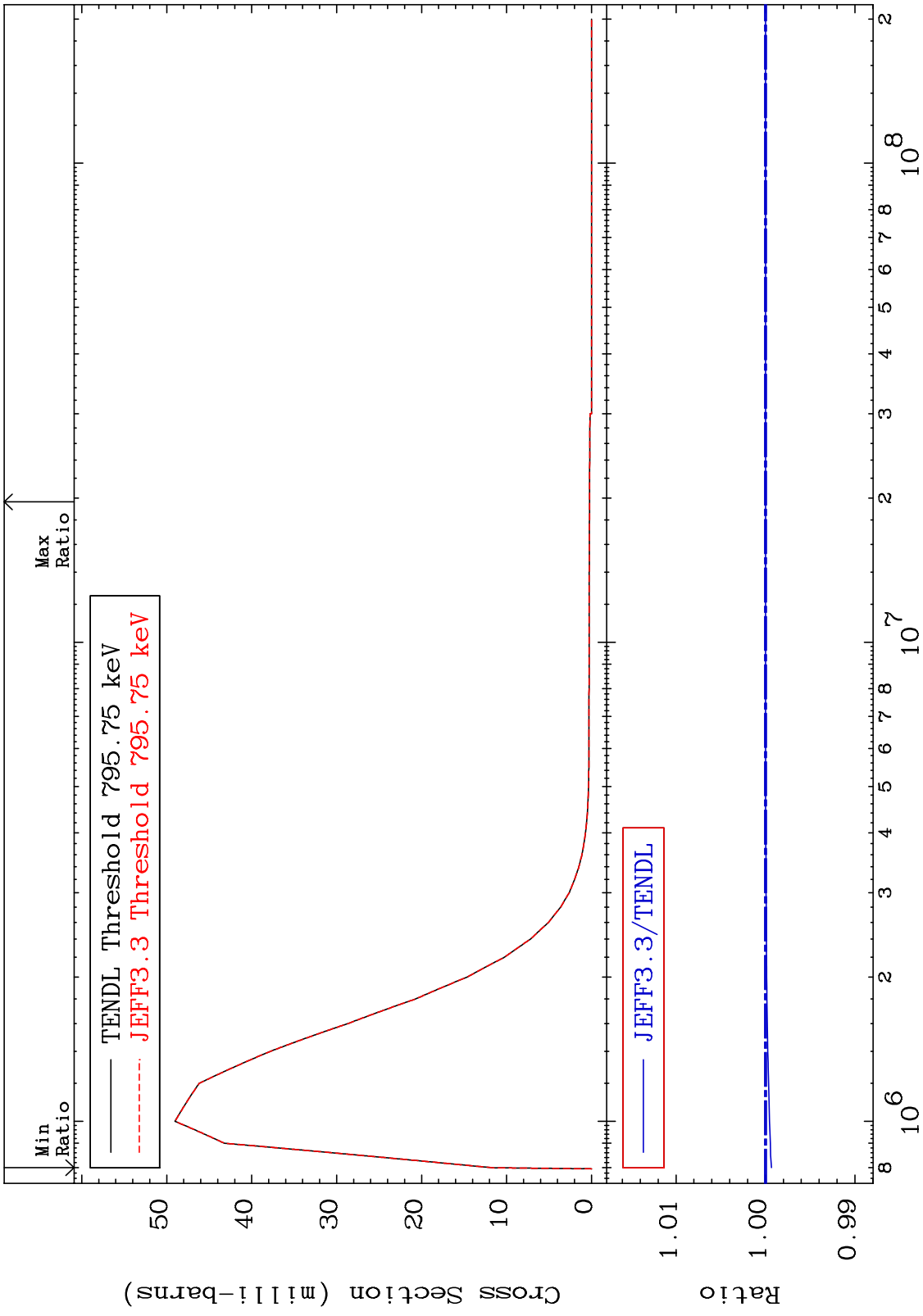




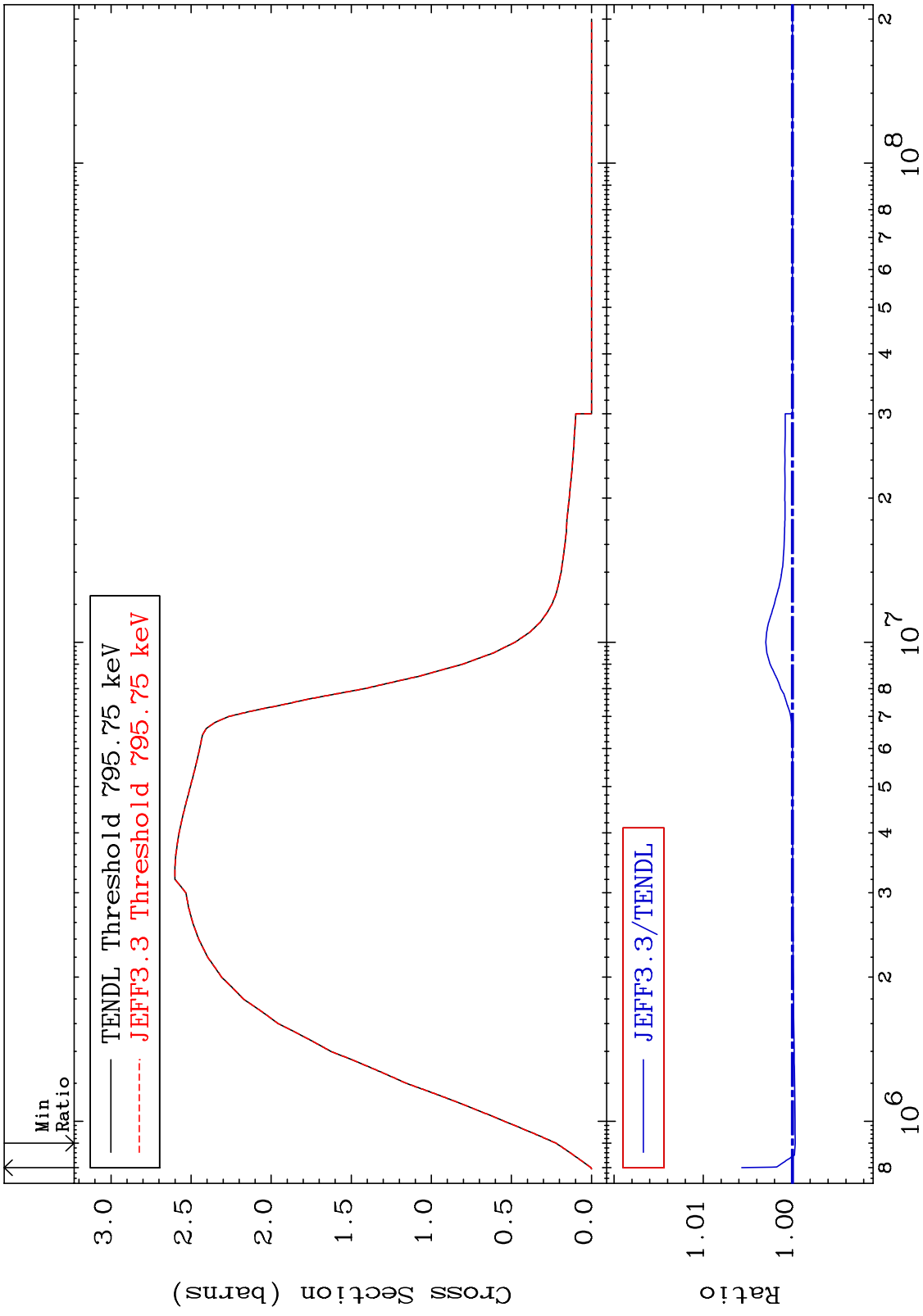
MAT 6840 MT= 79 (n,n') Level Cross Section 68-Er-167  
 -0.429 To 0.000 %



MAT 6840 MT= 80 (n,n') Level Cross Section 68-Er-167  
 -0.066 To 0.000 %



MAT 6840 (n,n') Continuum Cross Section 68-Er-167 -0.031 To 0.569 %



50 Incident Energy (eV) 68-Er-167

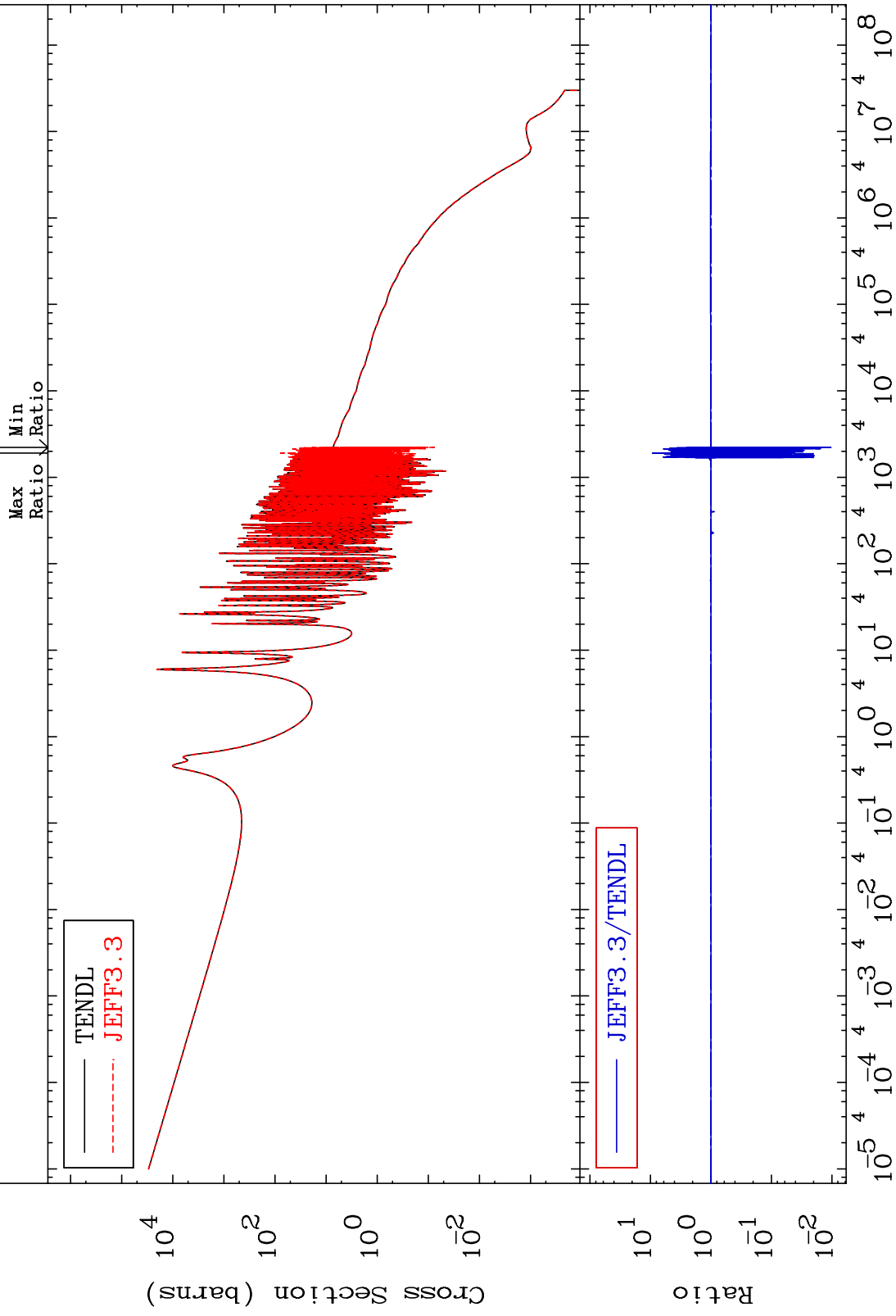
MAT 6840

(n,  $\gamma$ )

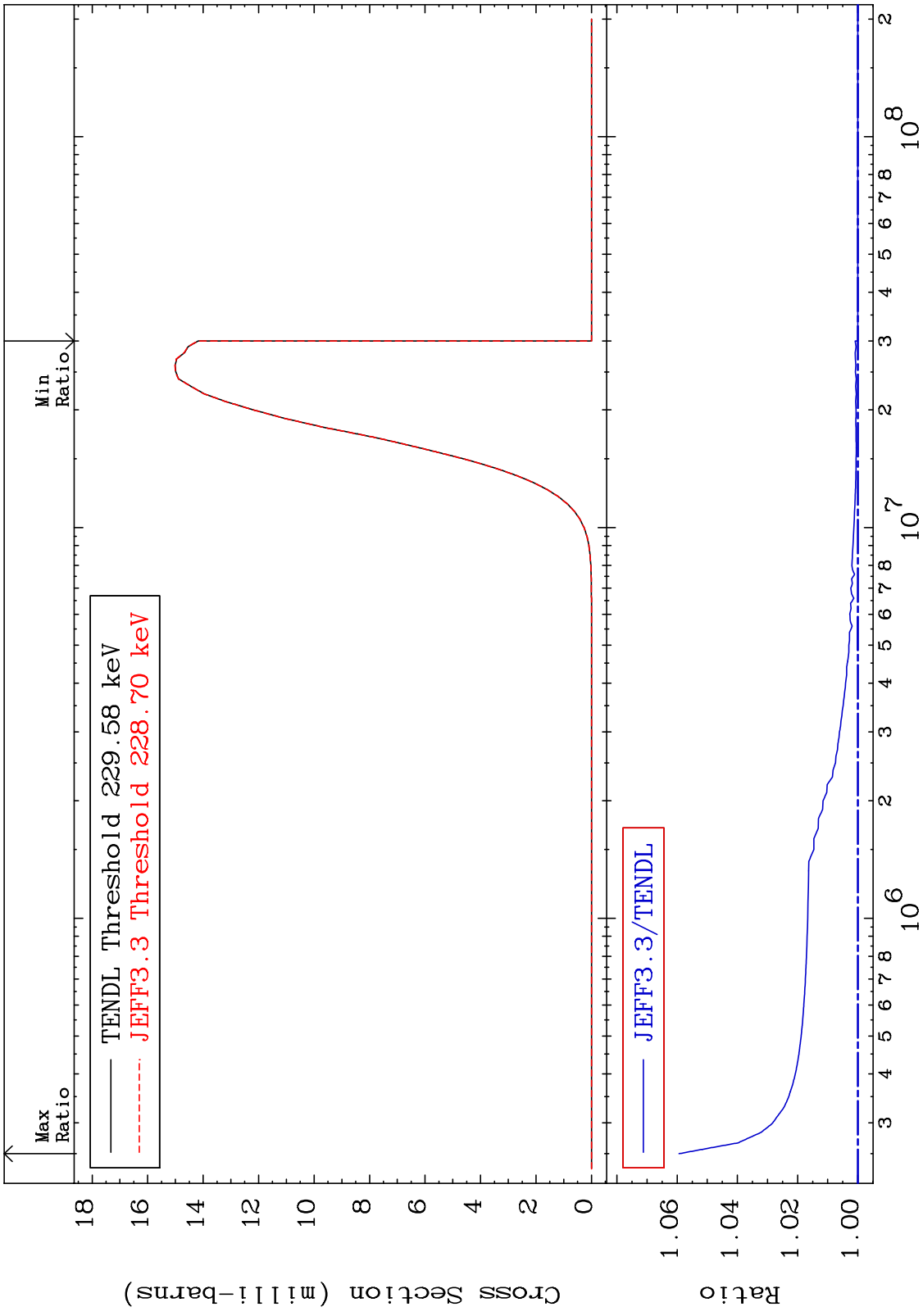
68-Er-167

-98.96 To 832.1 %

Cross Section

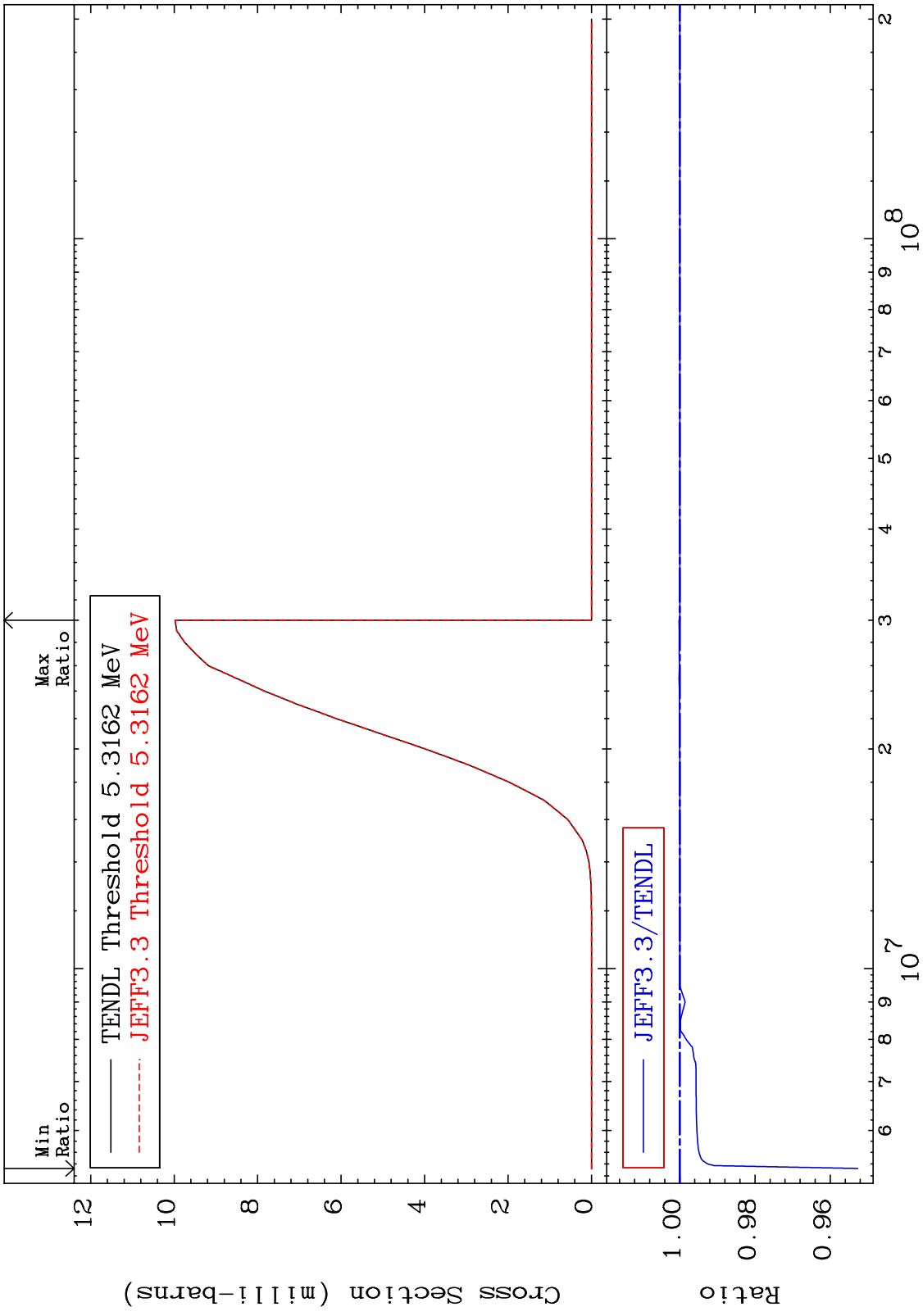


MAT 6840 (n,p) Cross Section 68-Er-167 To 5.937 %

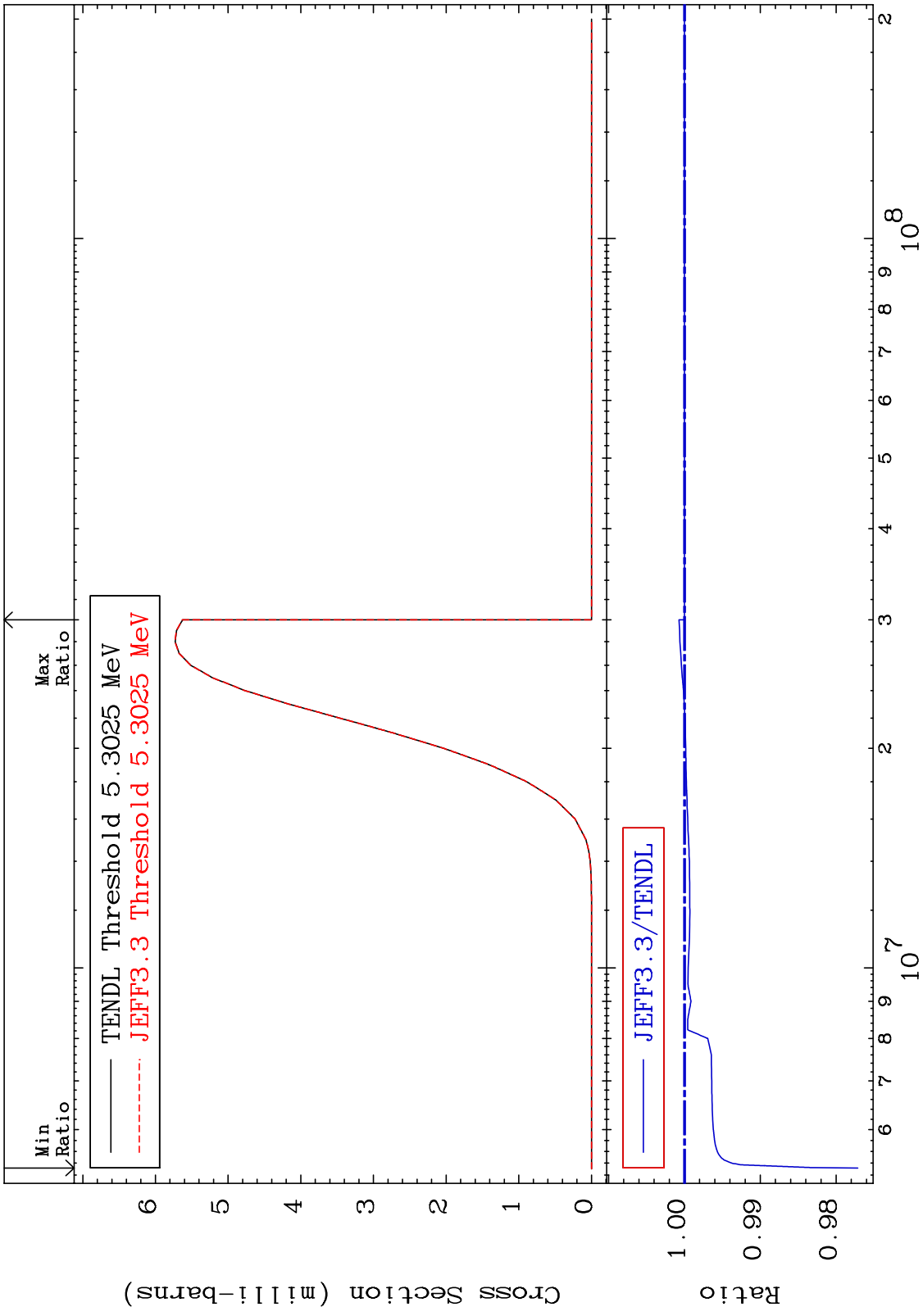


52 Incident Energy (eV) 68-Er-167

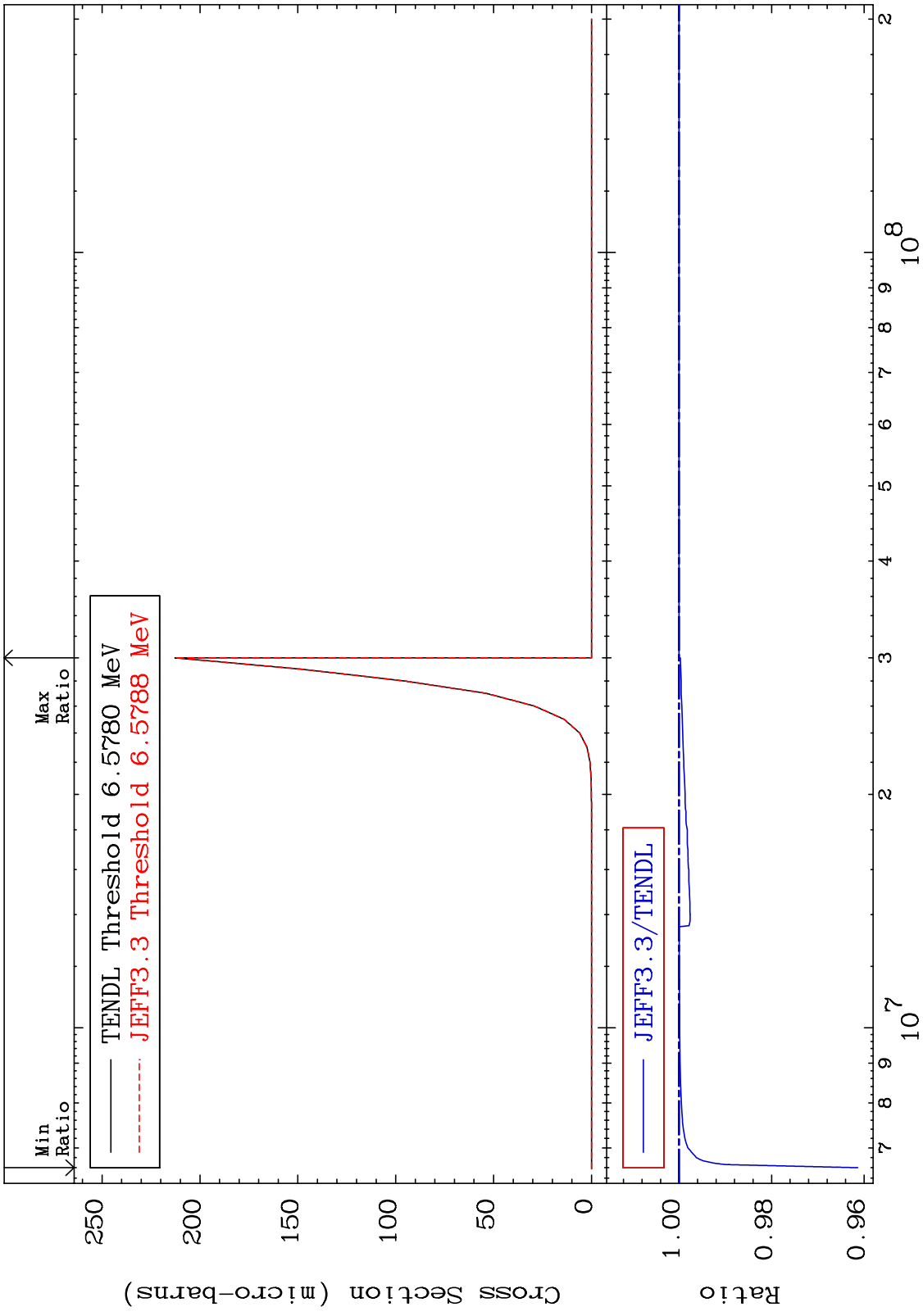
MAT 6840 (n,d) Cross Section 68-Er-167 -4.735 To 0.020 %



MAT 6840 (n,t) Cross Section 68-Er-167 -2.286 To 0.071 %

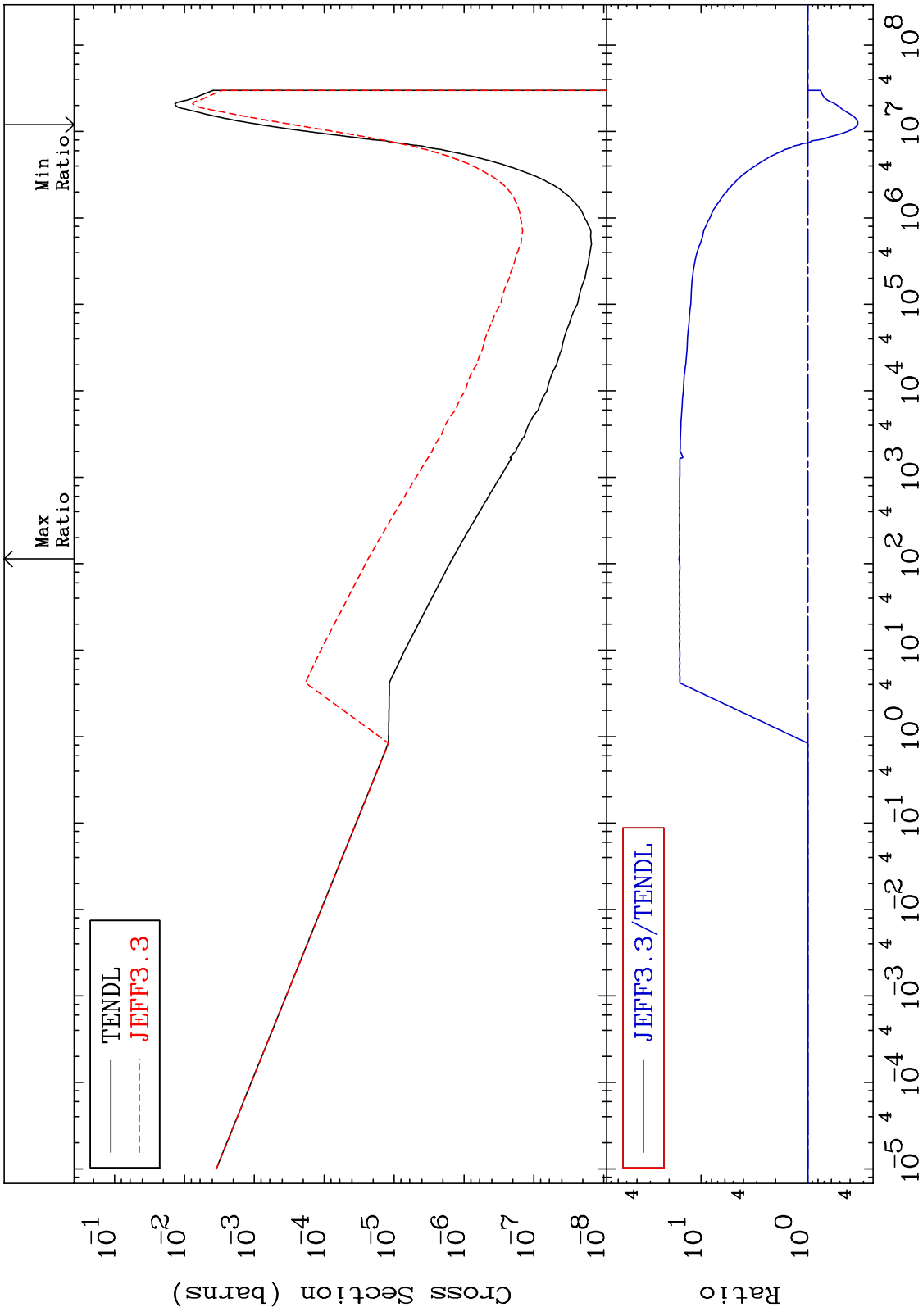


MAT 6840 (n, He-3) Cross Section 68-Er-167  
 -3.864 To 0.000 %





MAT 6840 68-Er-167  
-66.15 To 1512. %  
 (n,  $\alpha$ )  
 Cross Section



56 68-Er-167

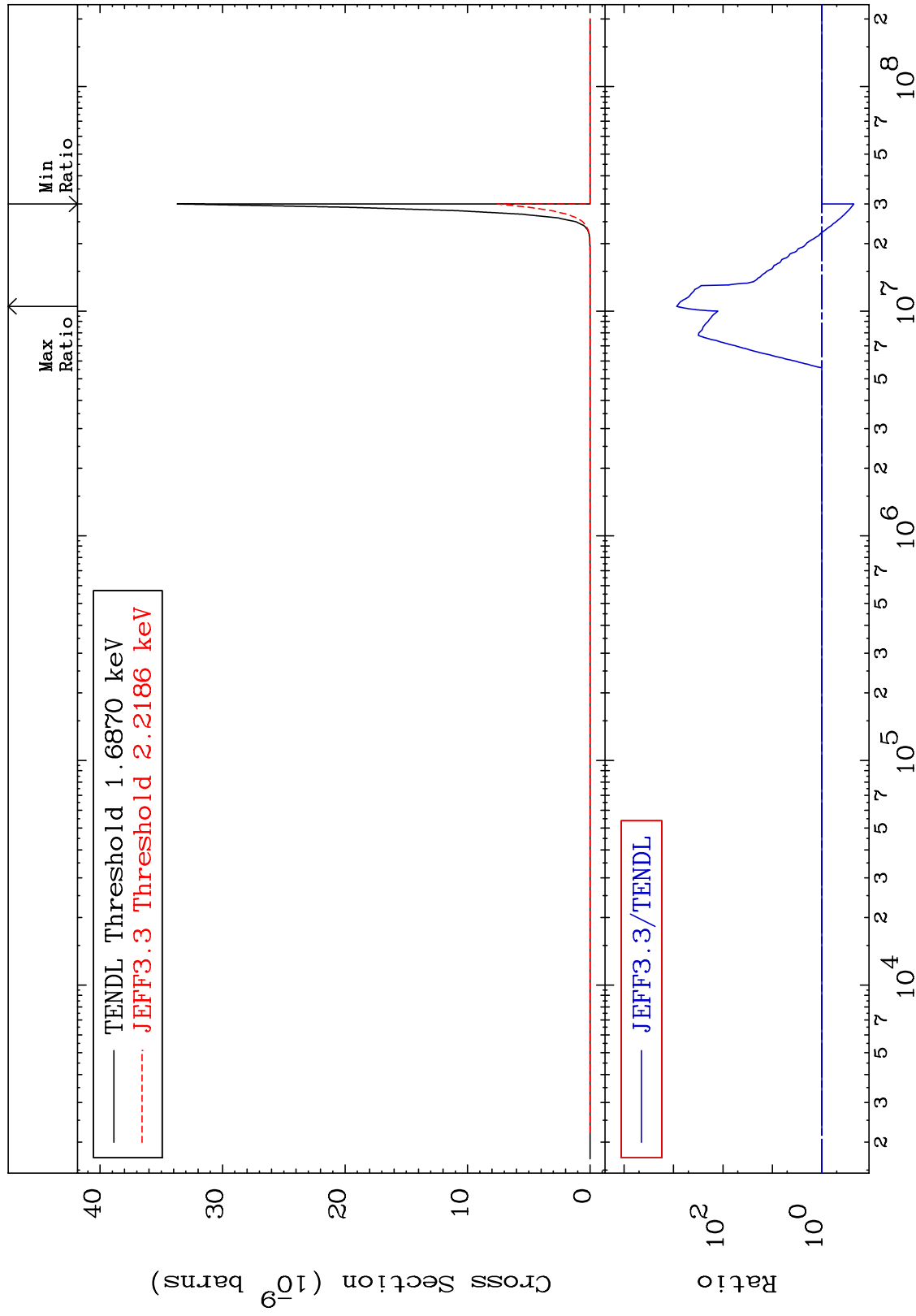
MAT 6840

(n,2α)

Cross Section

68-Er-167

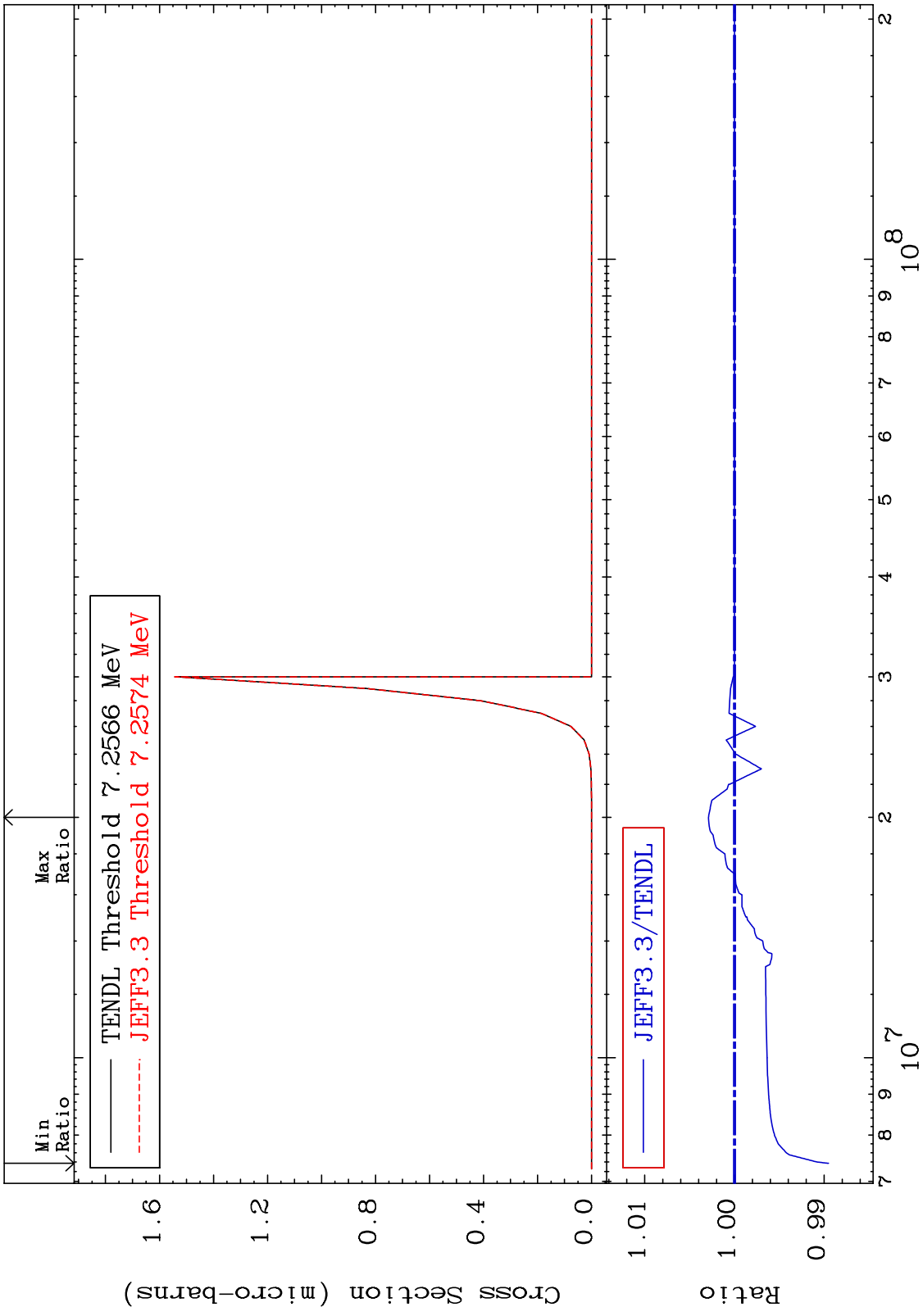
-77.61 To 9999. %



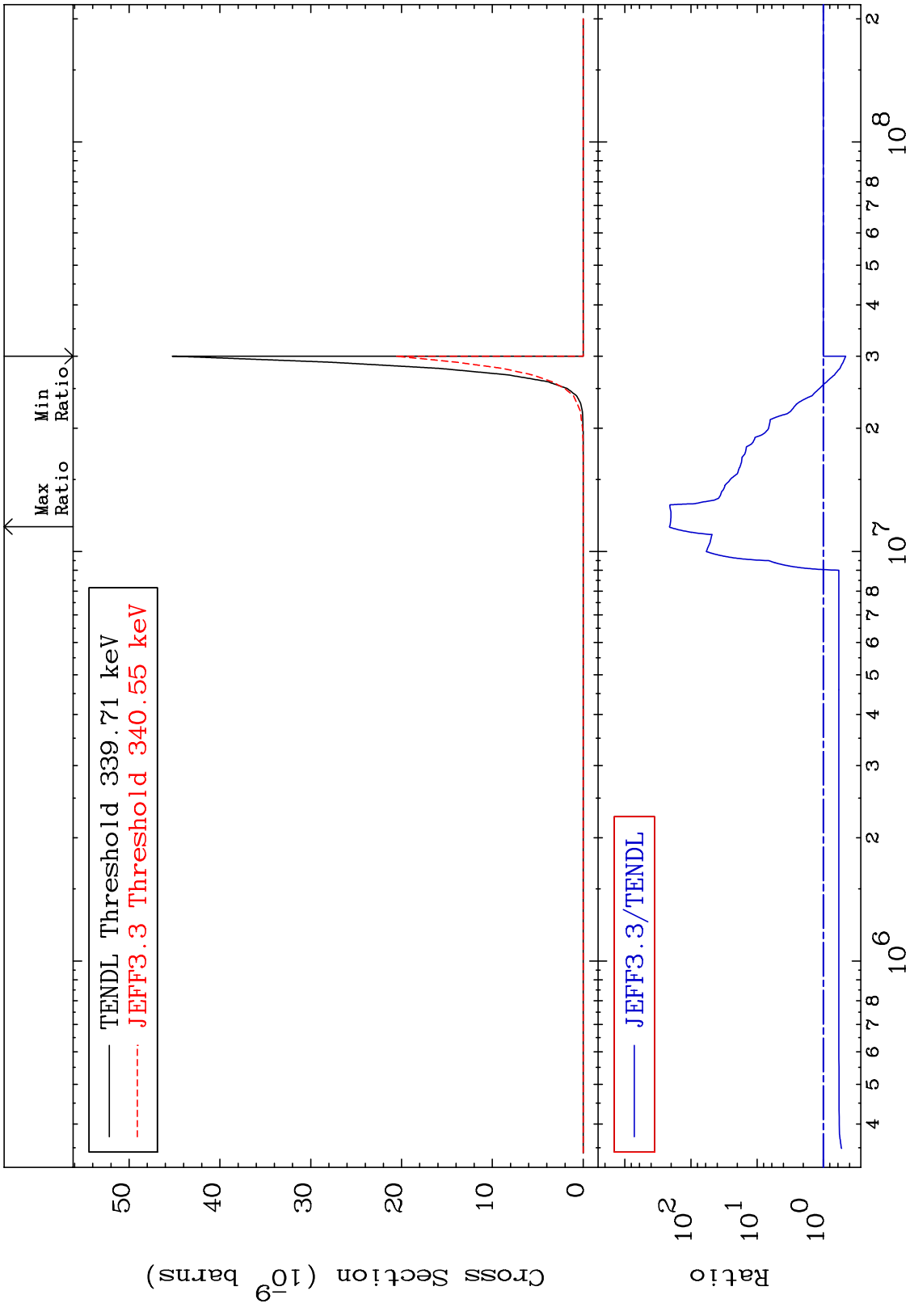
57

Incident Energy (eV)

68-Er-167

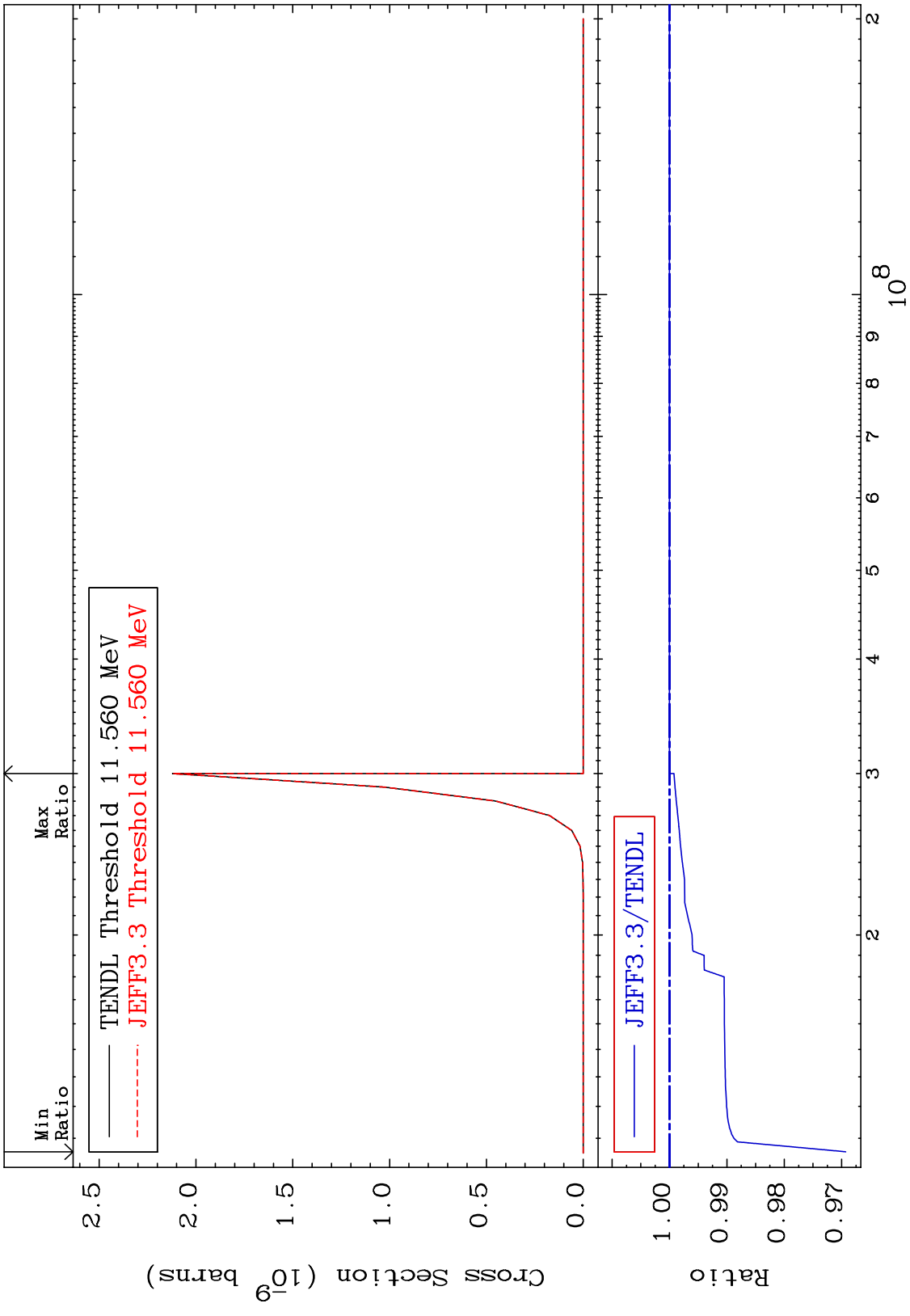


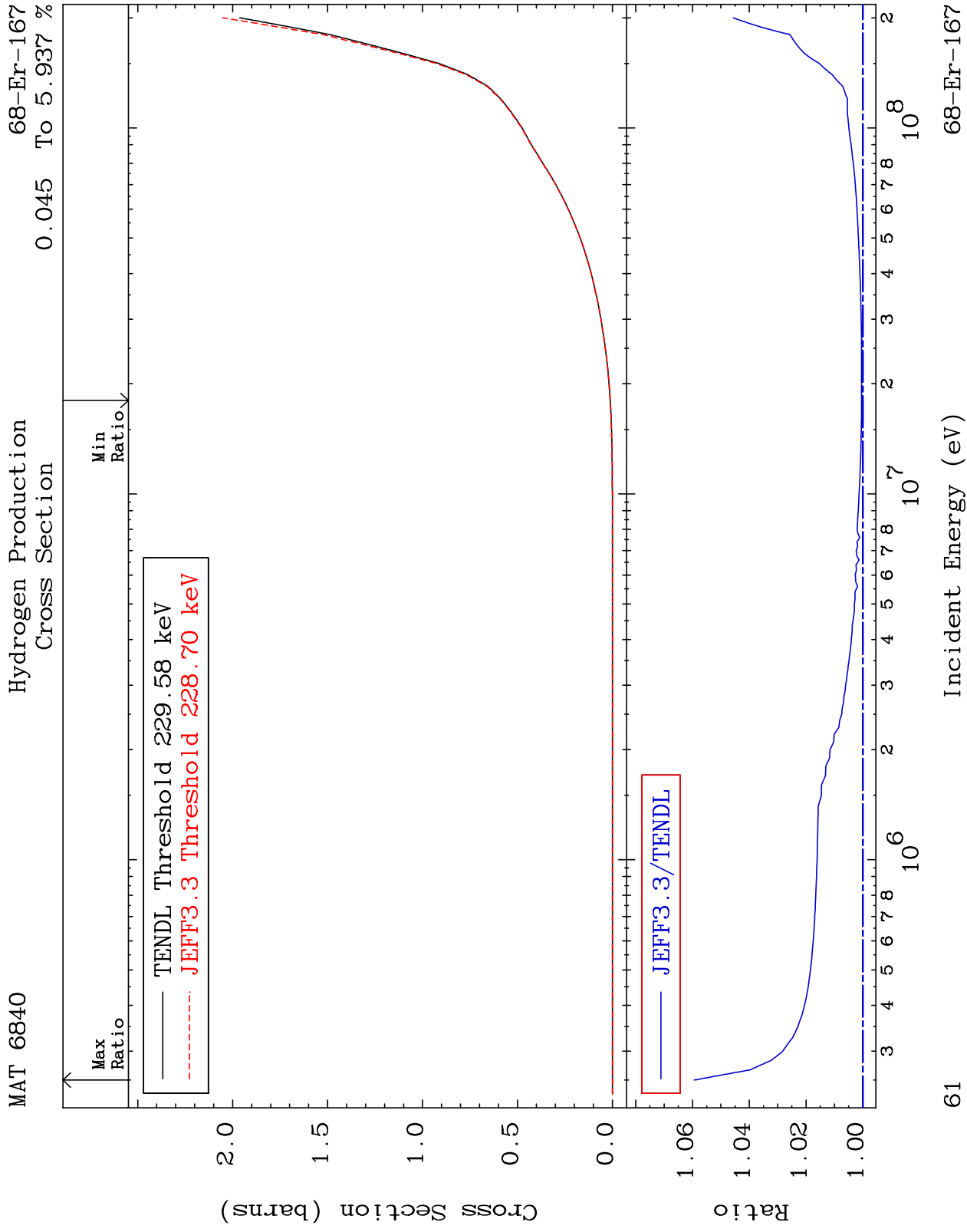
MAT 6840 (n,p)  $\alpha$  68-Er-167  
 Cross Section -54.30 To 9999. %

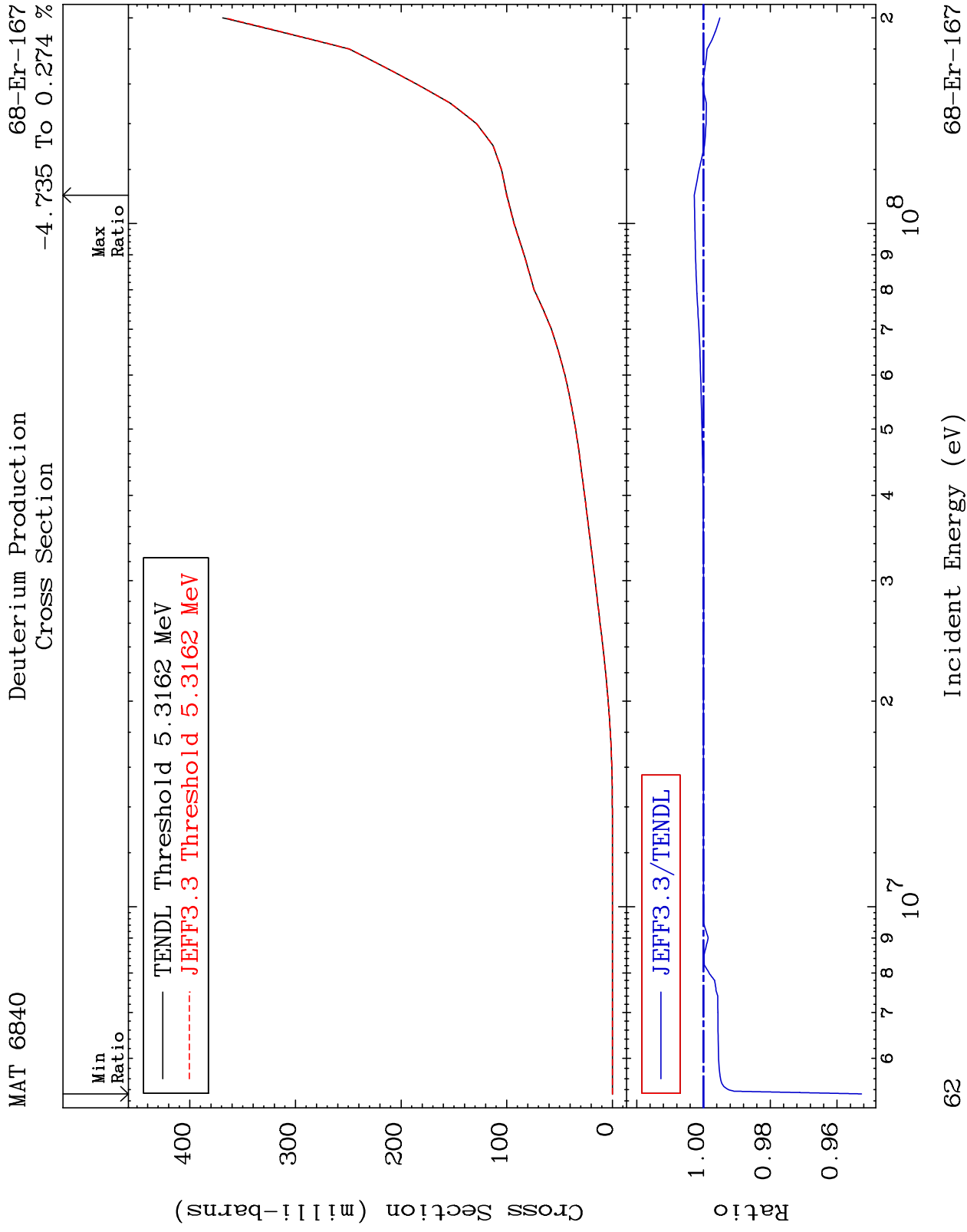


59 68-Er-167

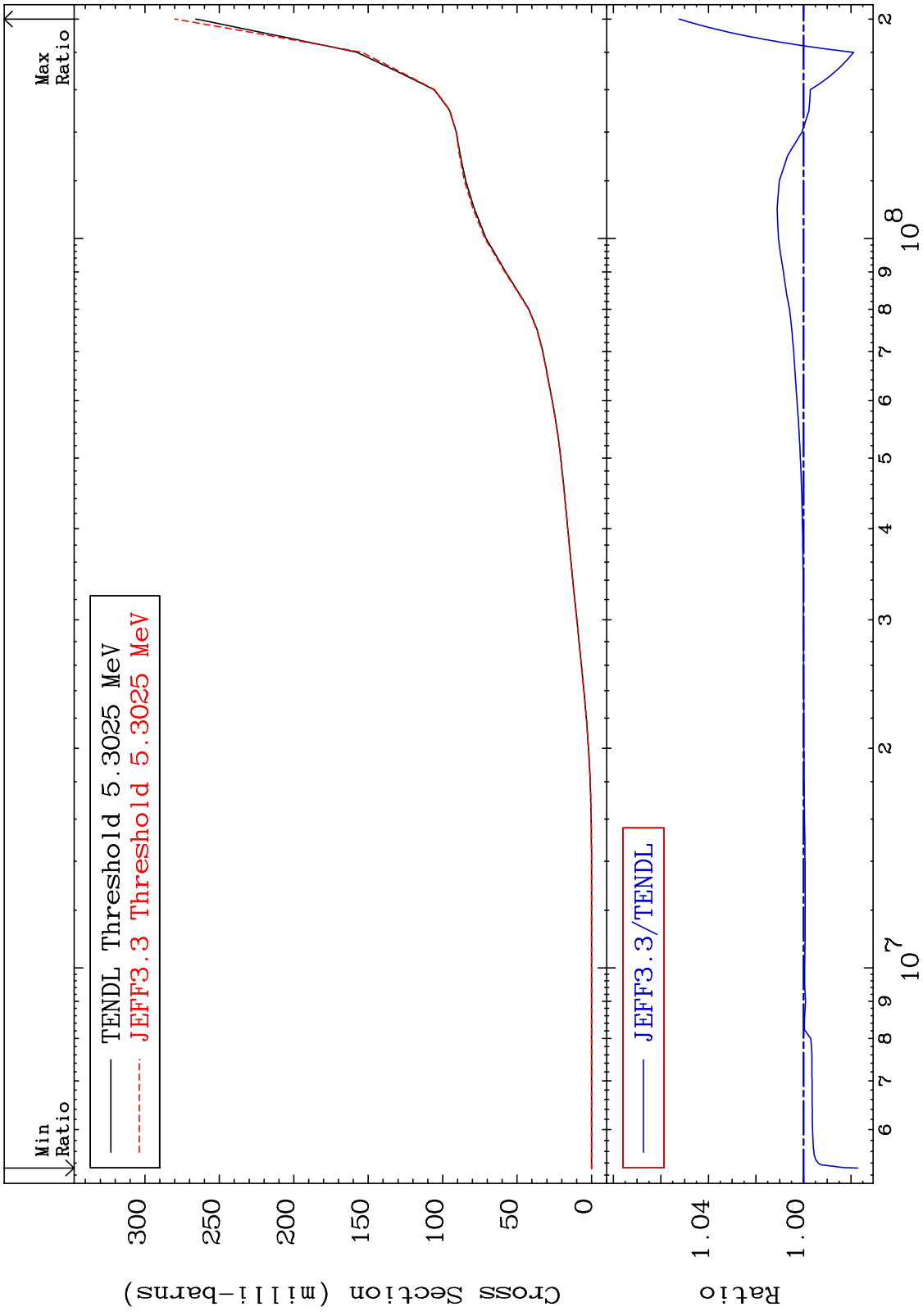
MAT 6840 (n,p) t 68-Er-167  
 Cross Section -3.070 To 0.000 %







MAT 6840 Tritium Production Cross Section 68-Er-167 -2.286 To 5.235 %

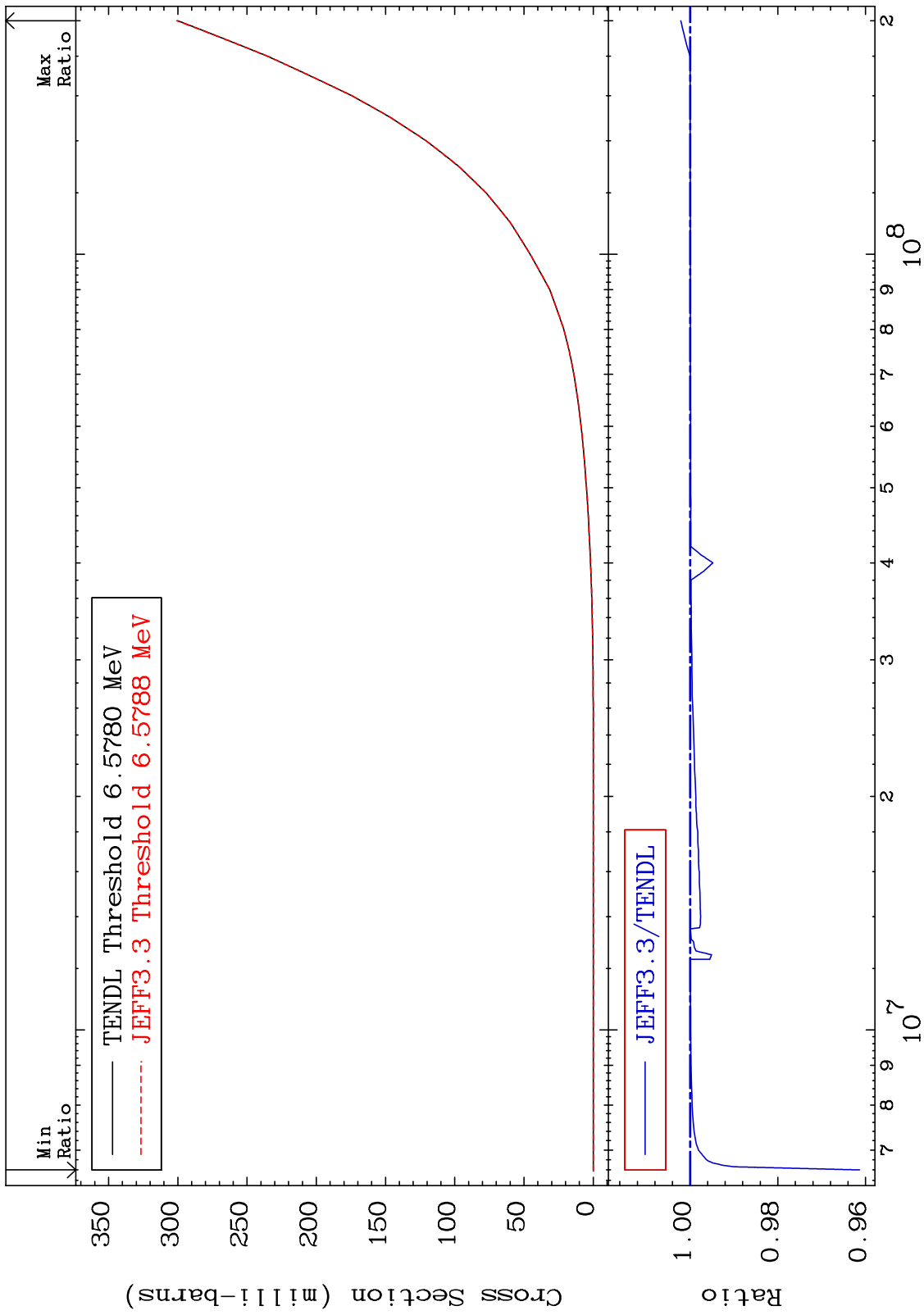




MAT 6840

He-3 Production  
Cross Section

68-Er-167  
-3.864 To 0.210 %



64

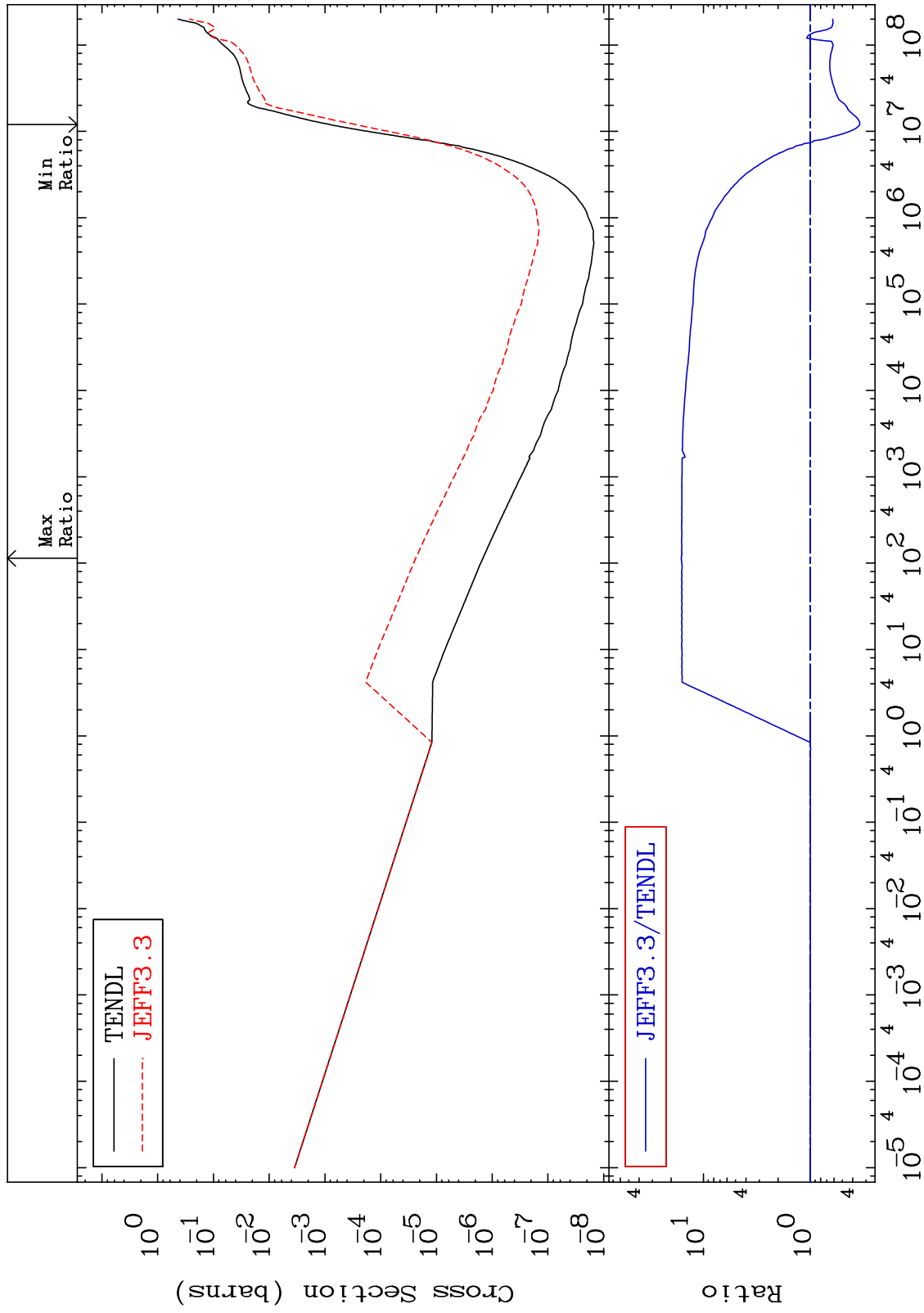
Incident Energy (eV)

68-Er-167

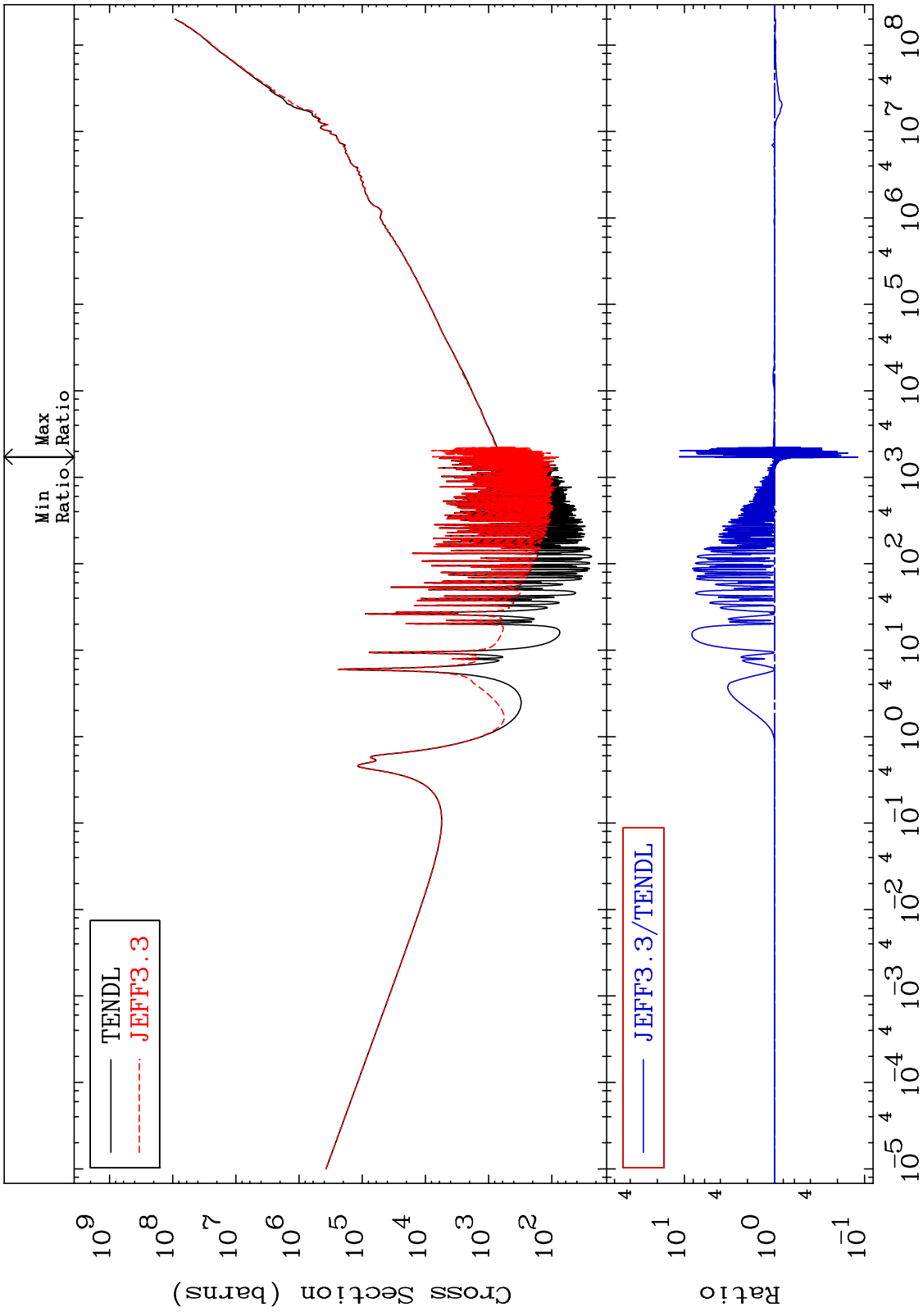
MAT 6840

He-4 Production  
Cross Section

68-Er-167  
-65.64 To 1512. %



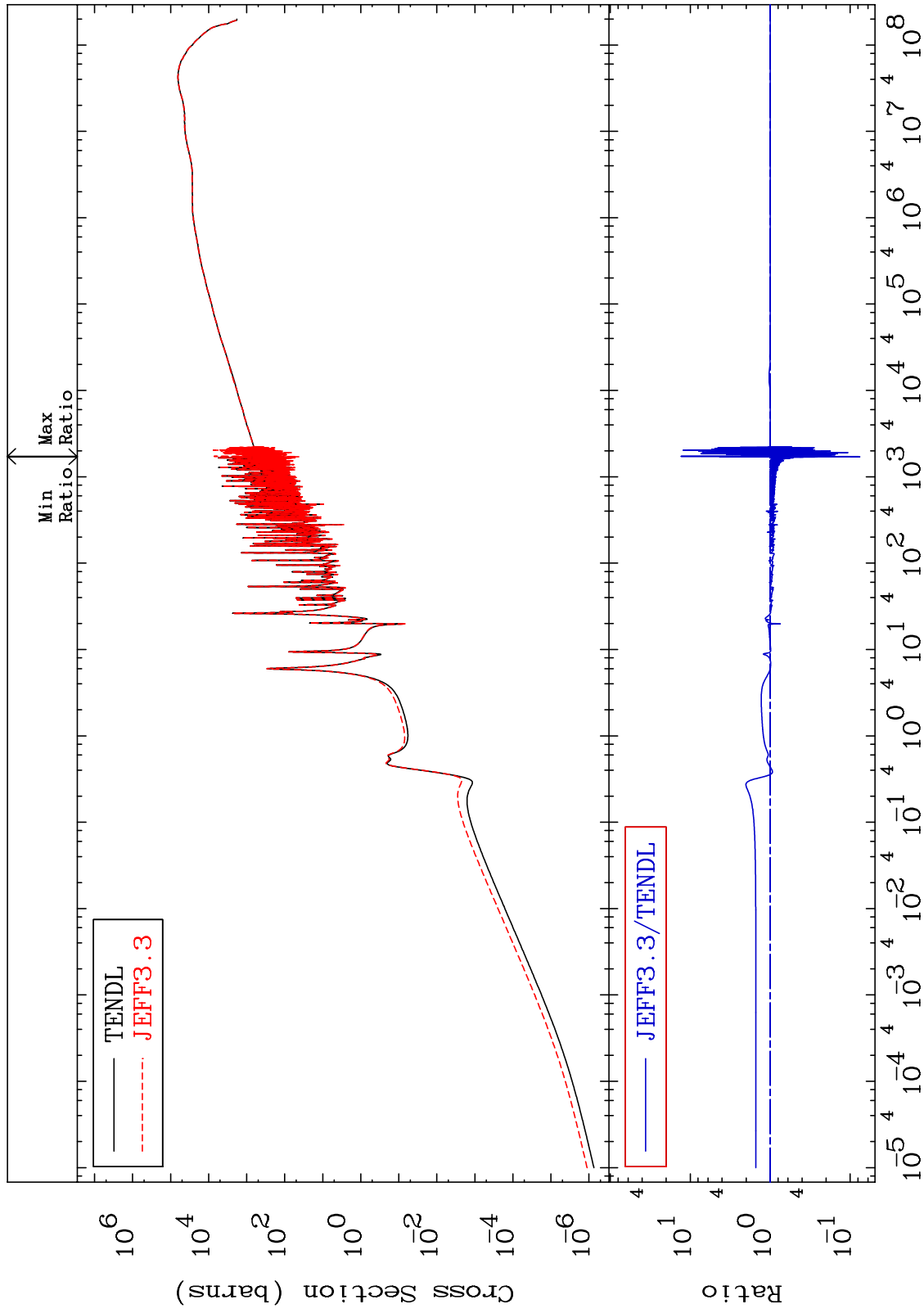
MAT 6840 Kerma total (eV-barns) 68-Er-167  
Cross Section -88.13 To 1050. %



MAT 6840

Kerma elastic  
Cross Section

68-Er-167  
-92.41 To 1197. %



67

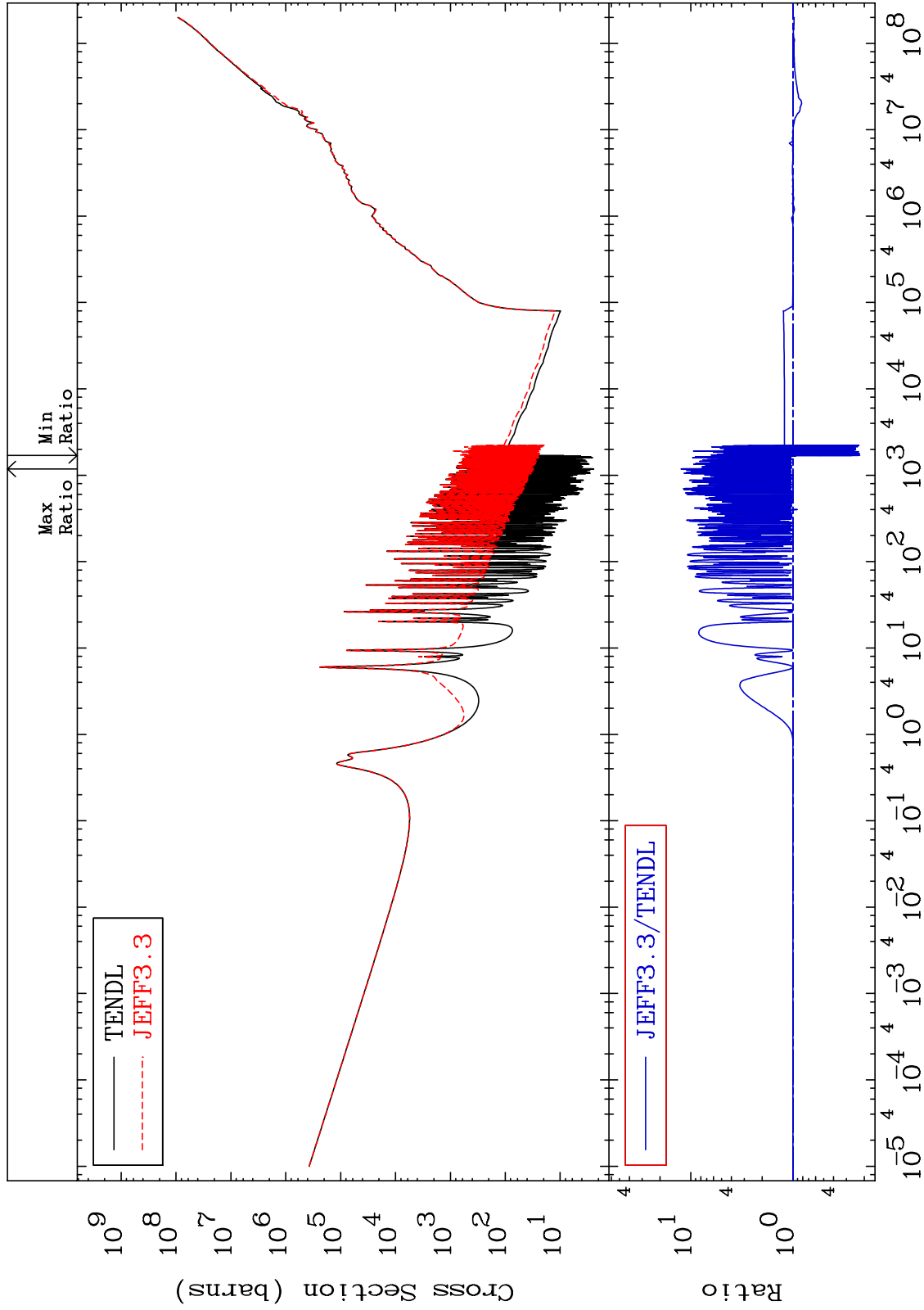
Incident Energy (eV)

68-Er-167

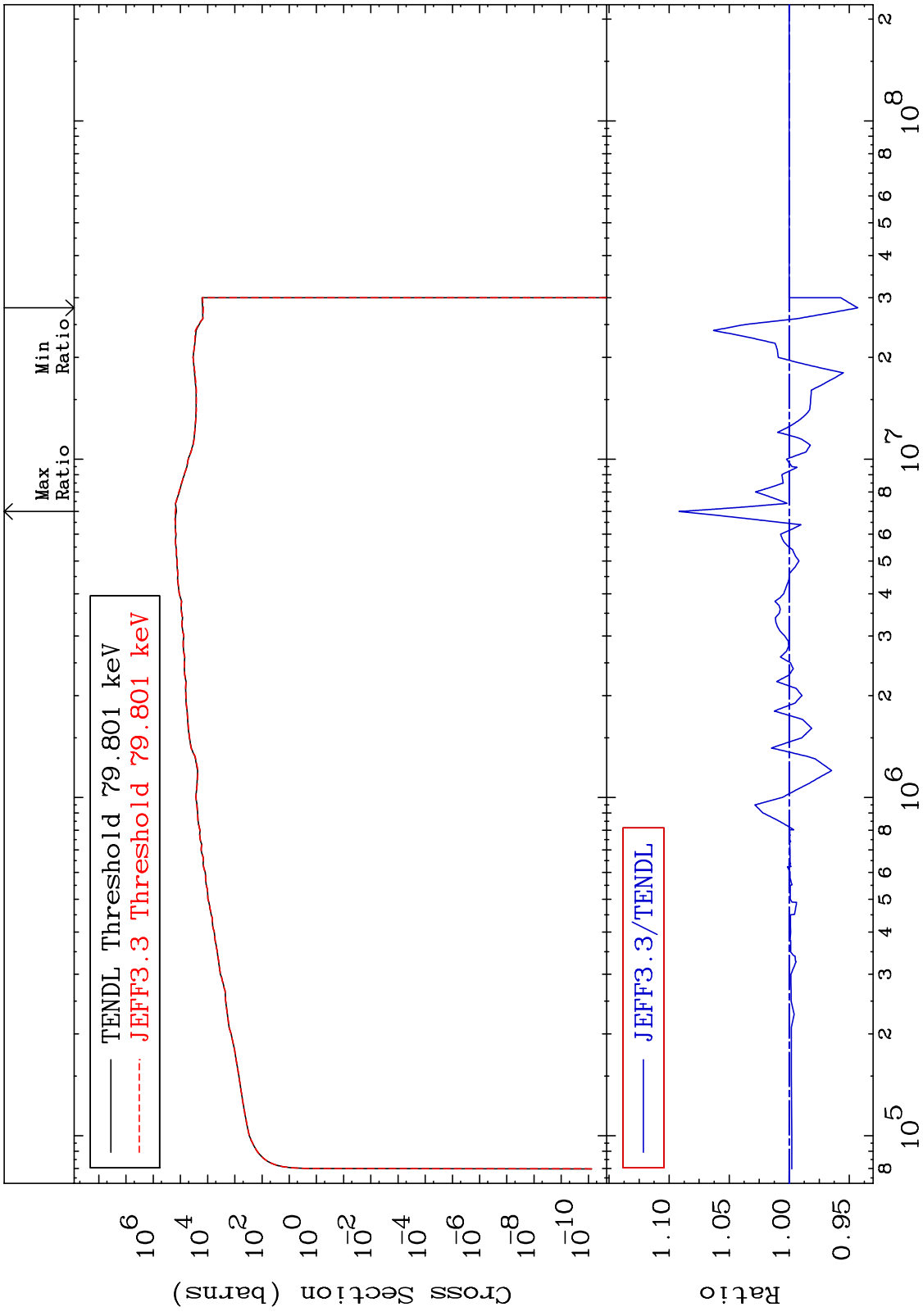
MAT 6840

Kerma non-elastic (all but mt2)  
Cross Section

68-Er-167  
-77.86 To 1142. %



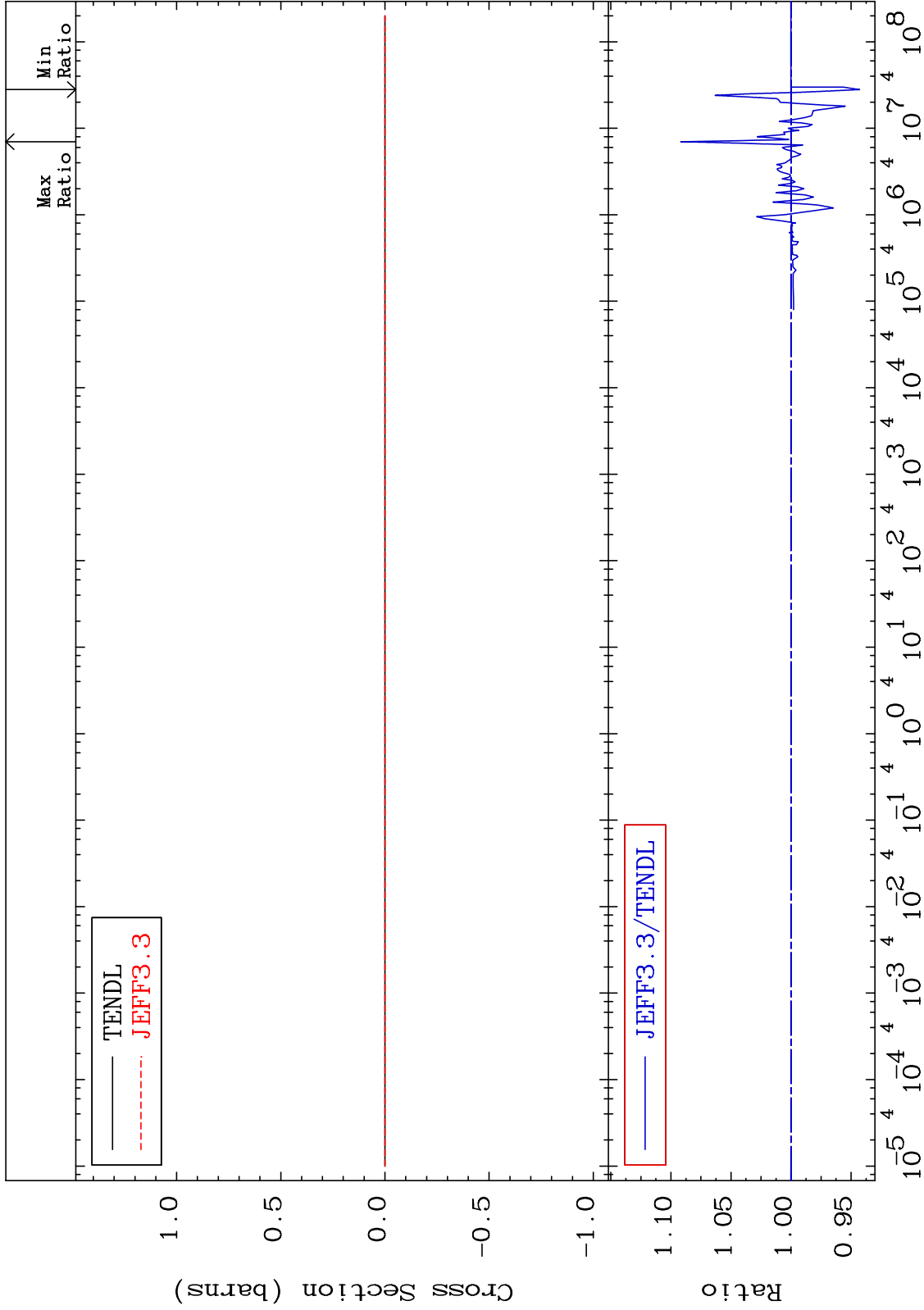
MAT 6840      Kerma inelastic (mt51-91)      68-Er-167  
-5.711 To 9.178 %  
Cross Section



MAT 6840

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

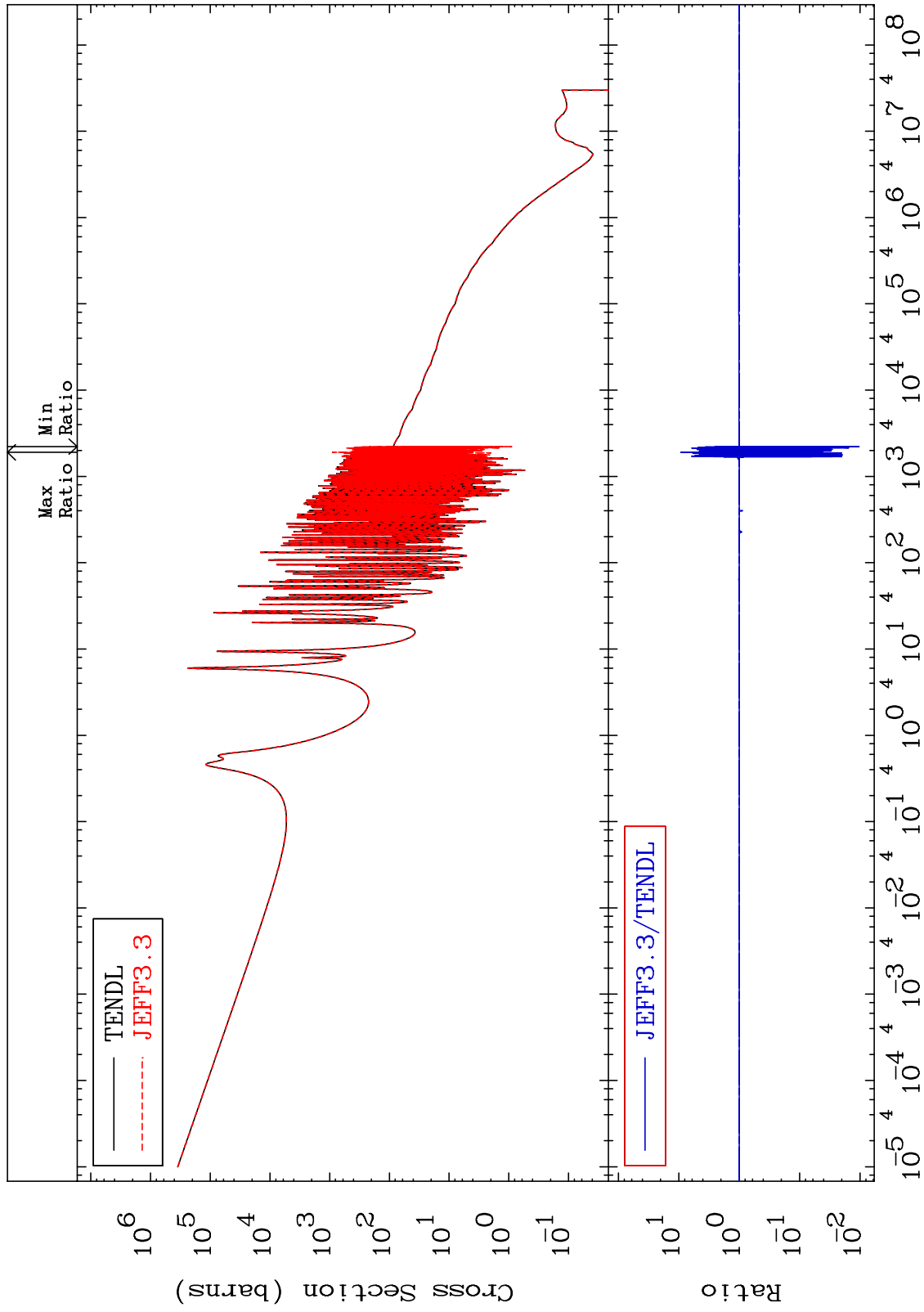
68-Er-167  
-5.711 To 9.178 %



MAT 6840

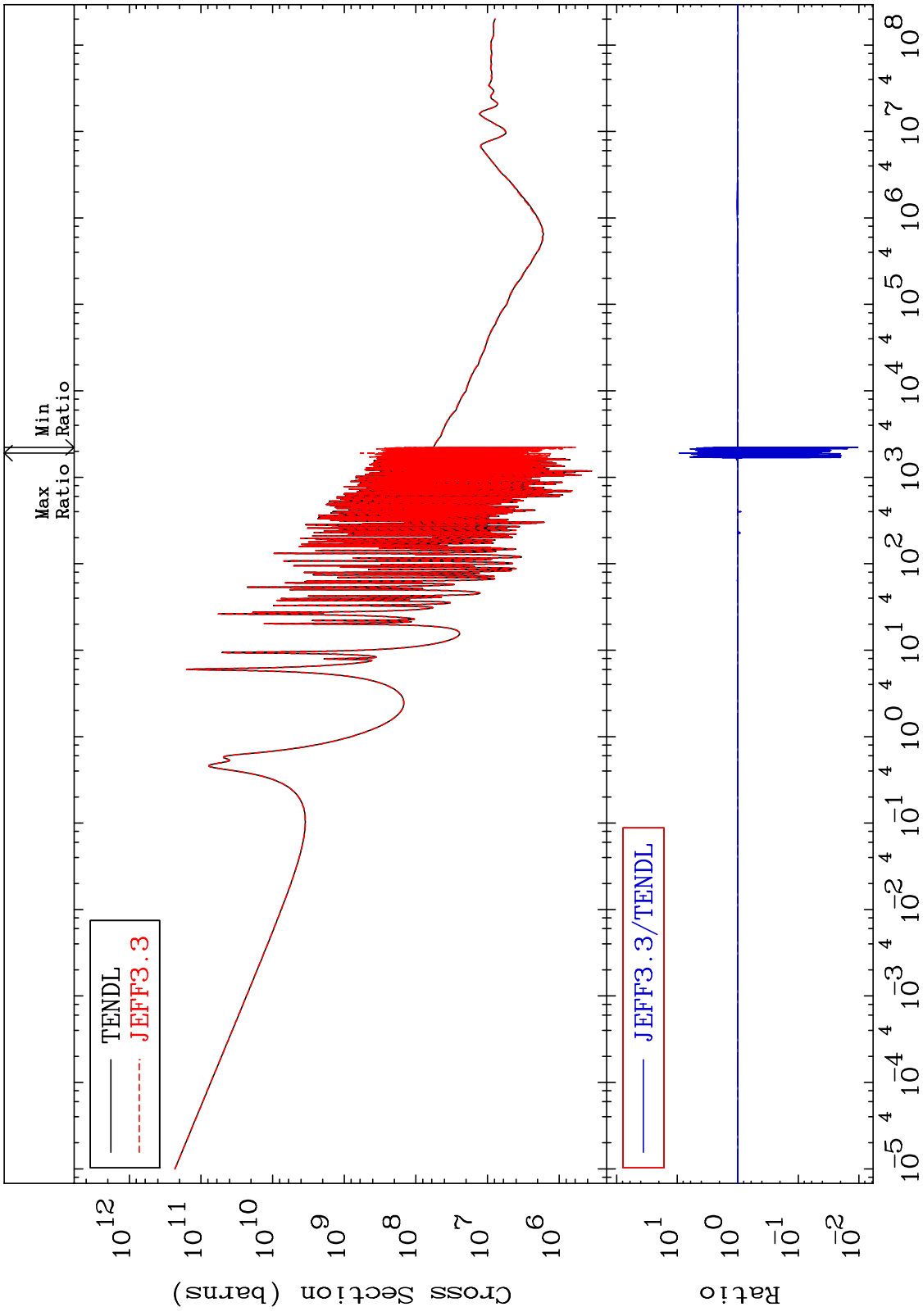
Kerma capture (mt102)  
Cross Section

68-Er-167  
-98.96 To 832.1 %



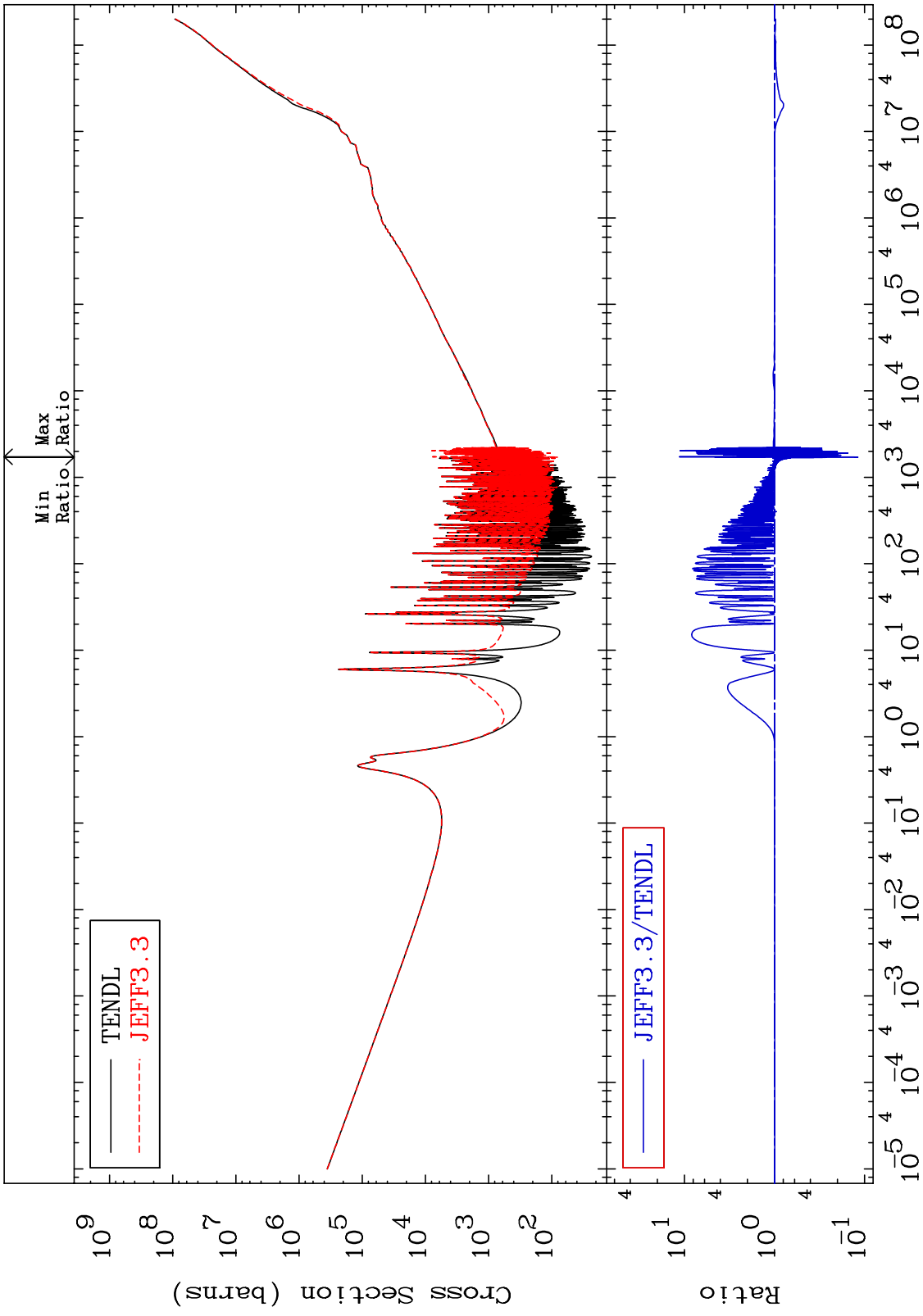


MAT 6840 68-Er-167  
-98.96 To 832.1 %  
 Total photon (eV-barns)  
 Cross Section

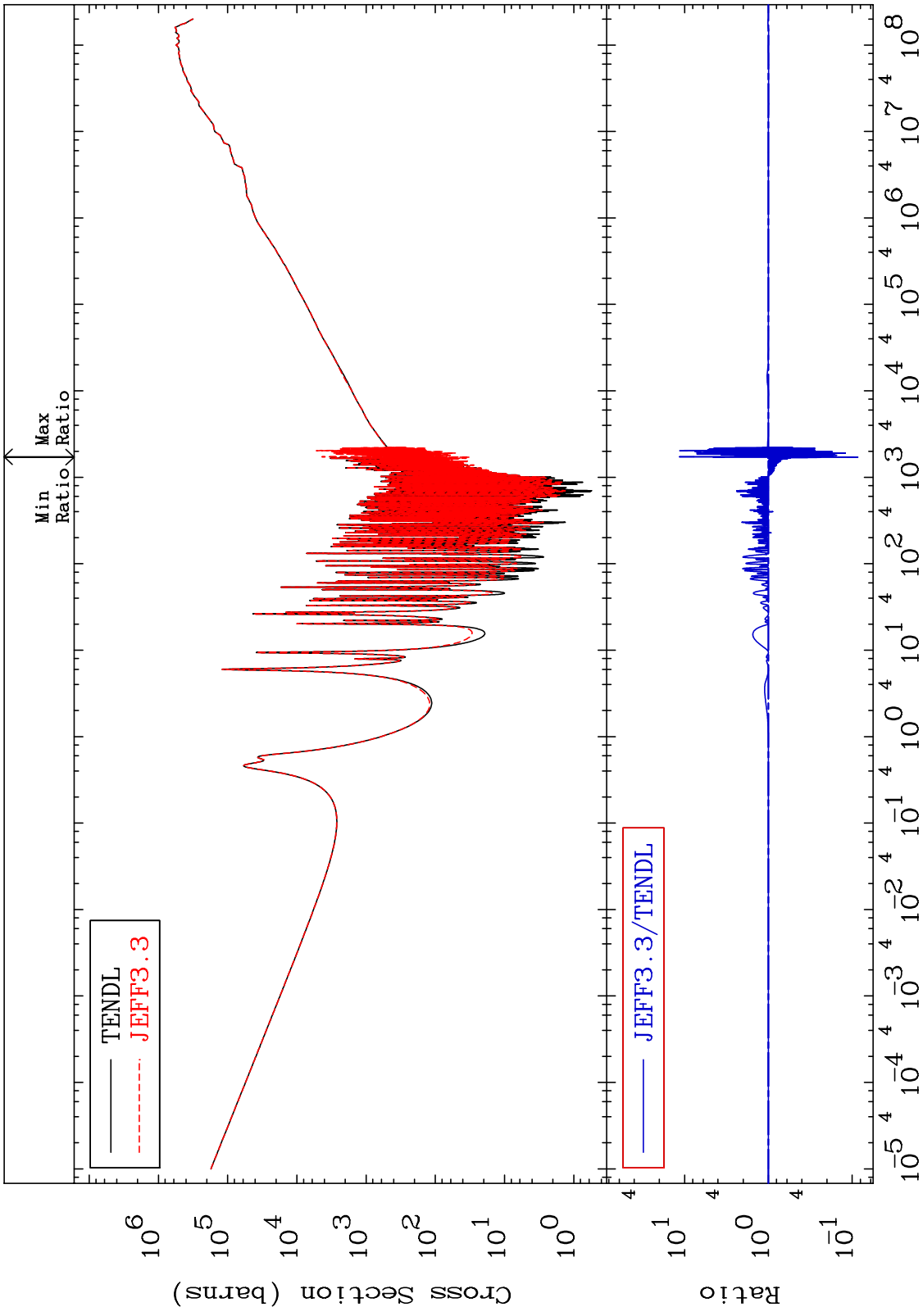


72 68-Er-167

MAT 6840 Total kinematic kerma (high limit) 68-Er-167  
 Cross Section -88.11 To 1050. %



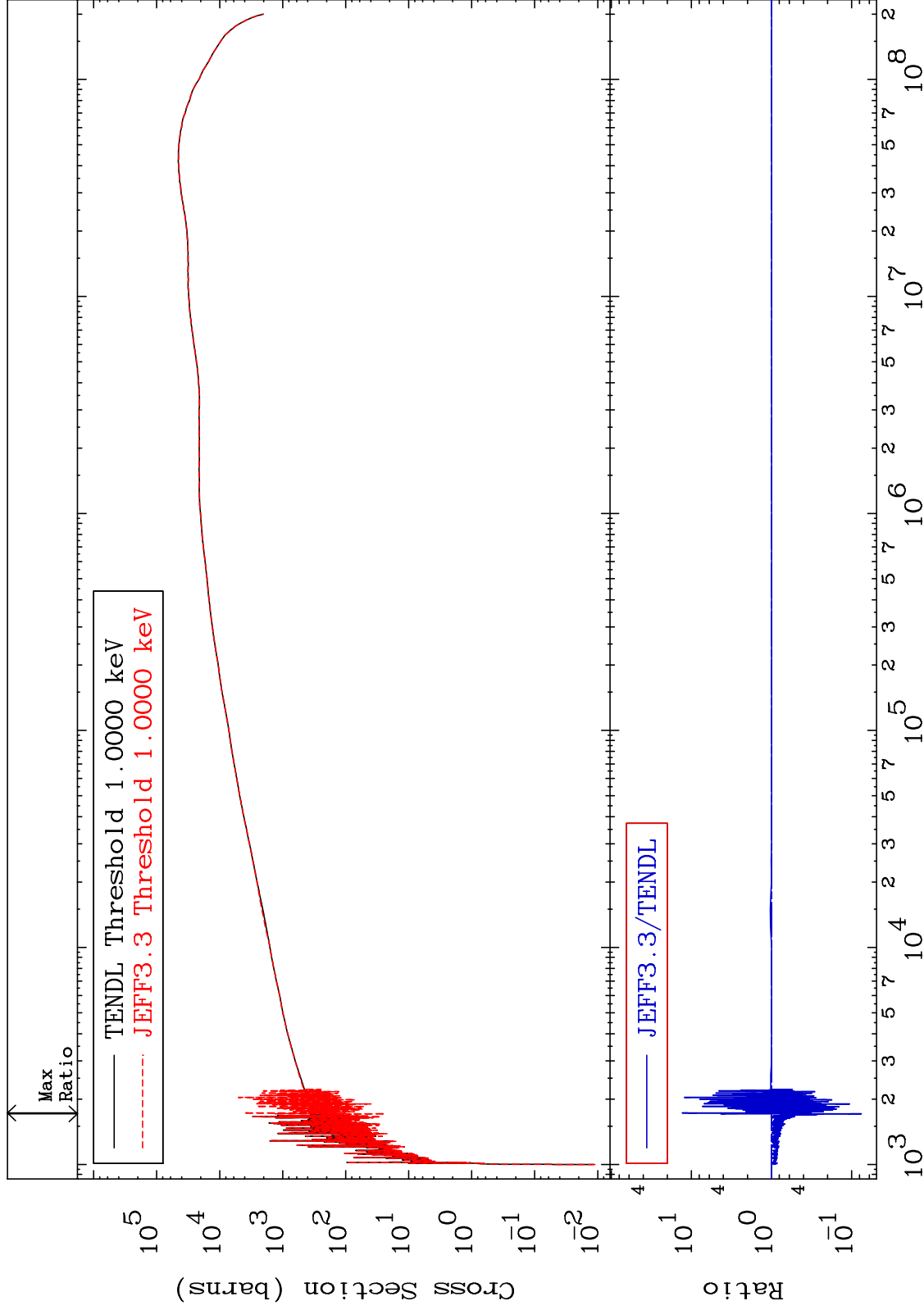
MAT 6840      Dpa total (eV-barns)      68-Er-167  
 Cross Section      -91.43 To 1064. %



MAT 6840

Dpa elastic (mt2)  
Cross Section

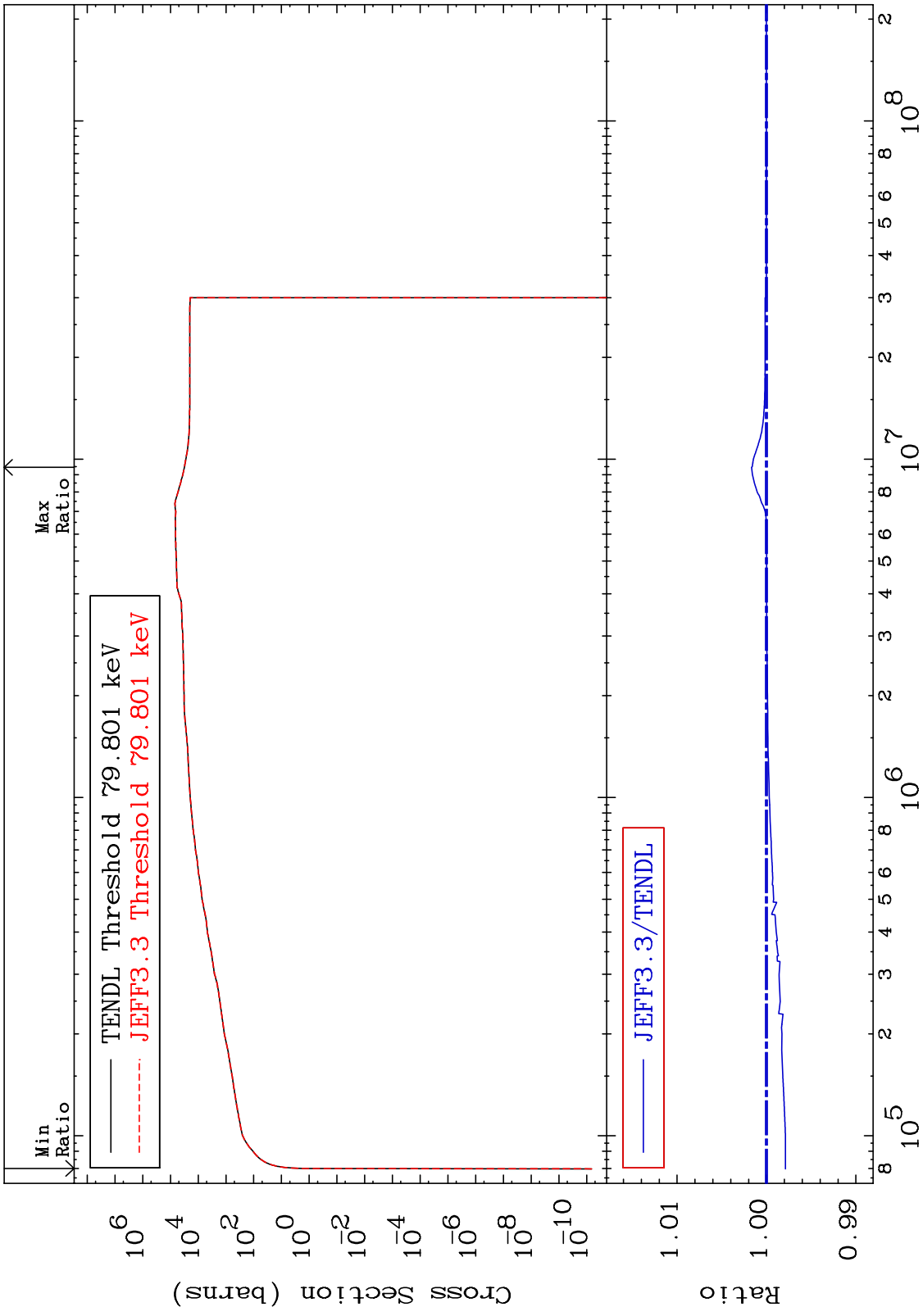
68-Er-167  
-92.42 To 1195. %



75

68-Er-167

MAT 6840      Dpa inelastic (mt51-91)      68-Er-167  
Cross Section      -0.212 To 0.168 %

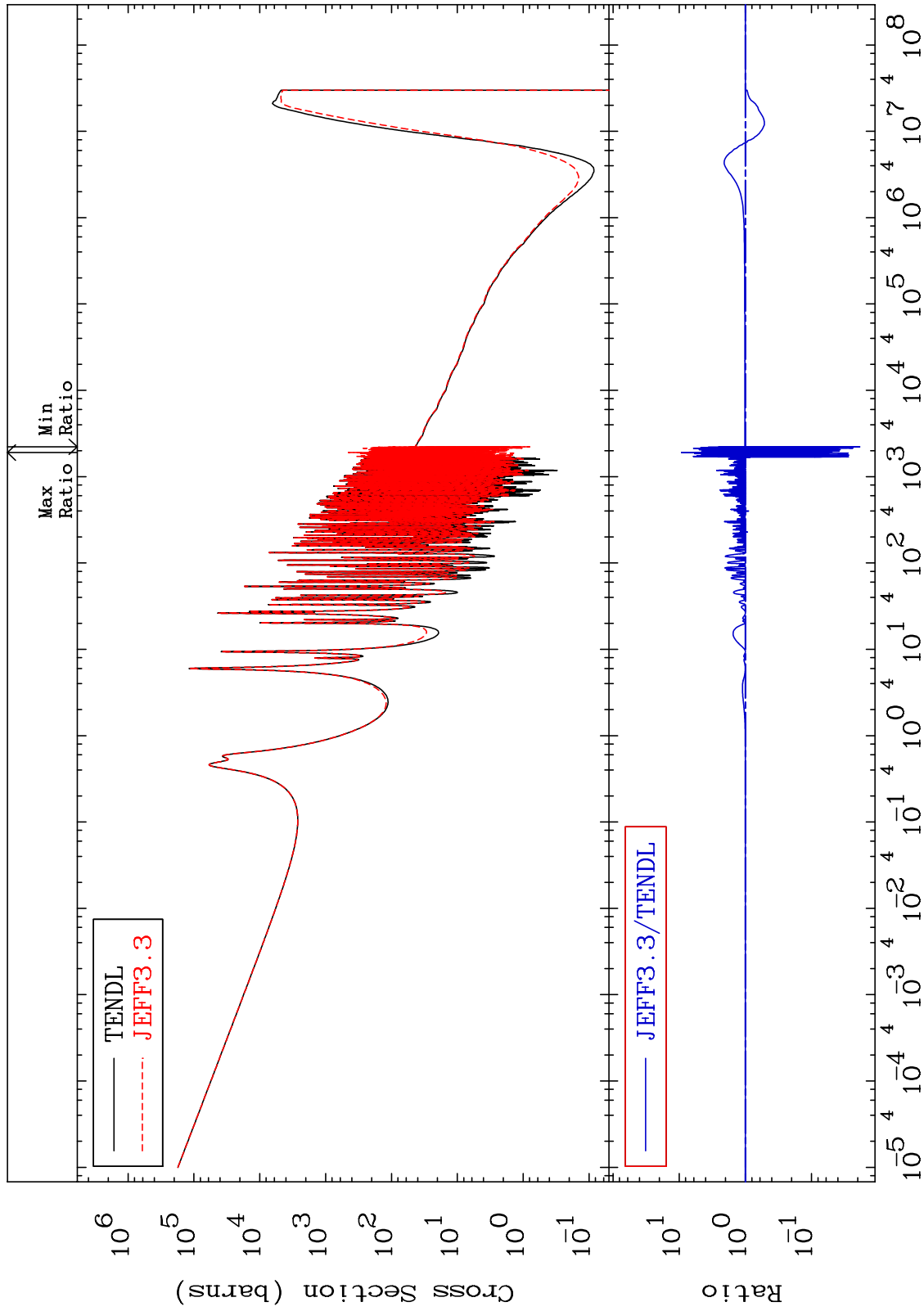


76      68-Er-167

MAT 6840

Dpa disappearance (mt102 -120)  
Cross Section

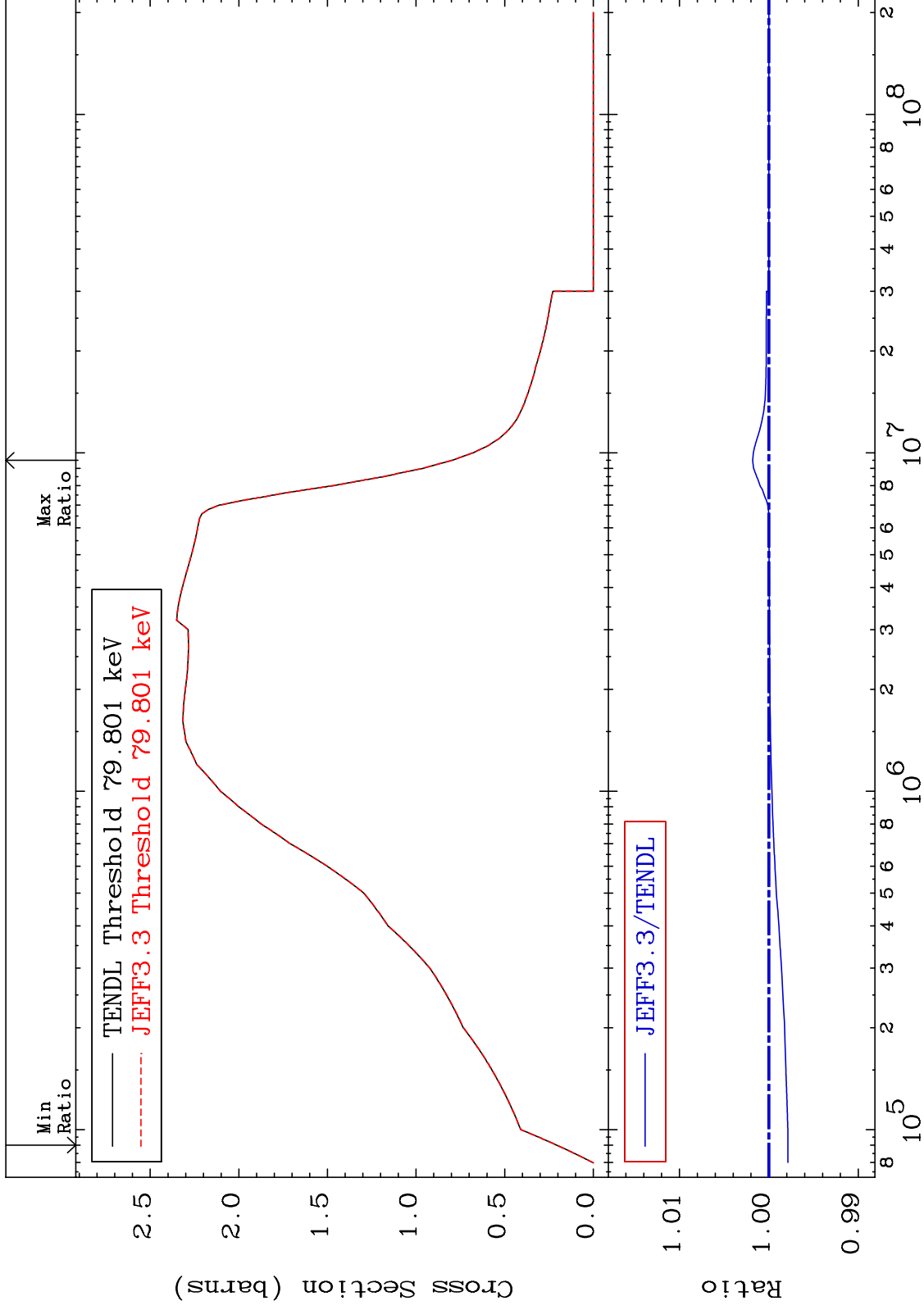
68-Er-167  
-98.13 To 832.4 %



MAT 6840

Inelastic:68-Er-167g  
Radionuclide Production Cross Section -0.212 To 0.182 %

68-Er-167

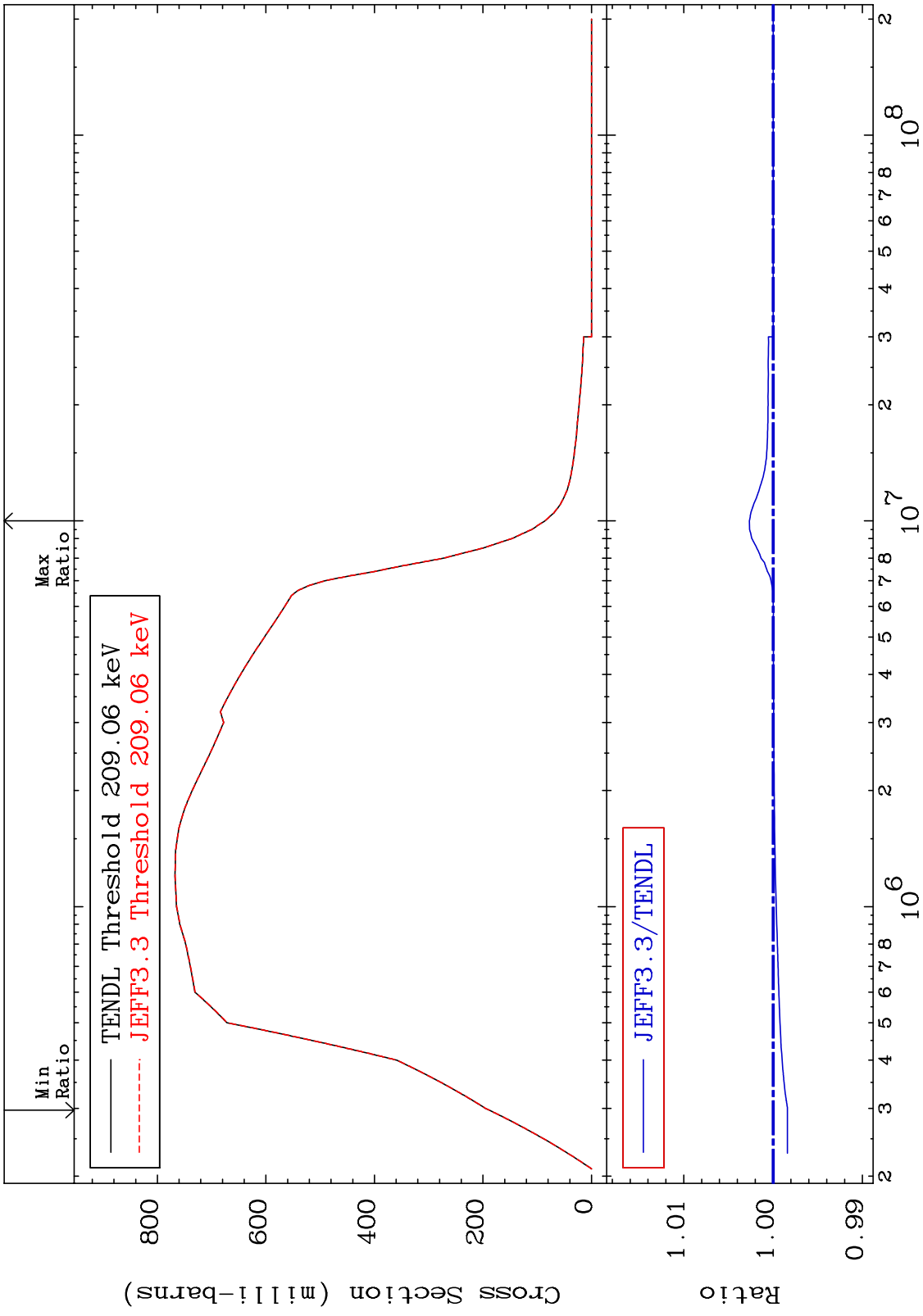


78

Incident Energy (eV)

68-Er-167

MAT 6840 Inelastic:68-Er-167m3 68-Er-167  
 Radionuclide Production Cross Section -0.161 To 0.265 %



79 68-Er-167

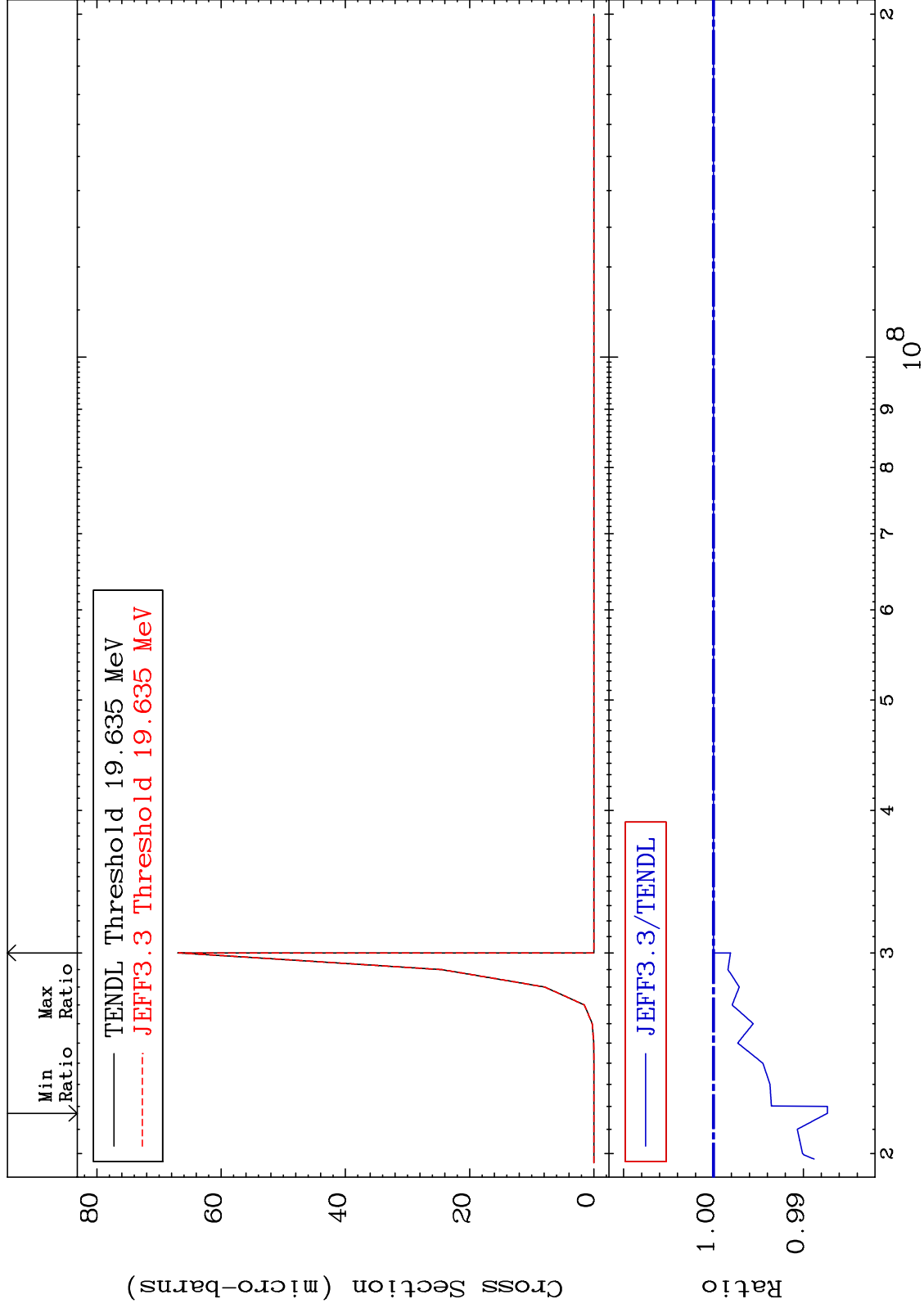


MAT 6840

(n,2n) d:67-Ho-164g

68-Er-167

Radionuclide Production Cross Section -1.269 To 0.000 %



80

Incident Energy (eV)

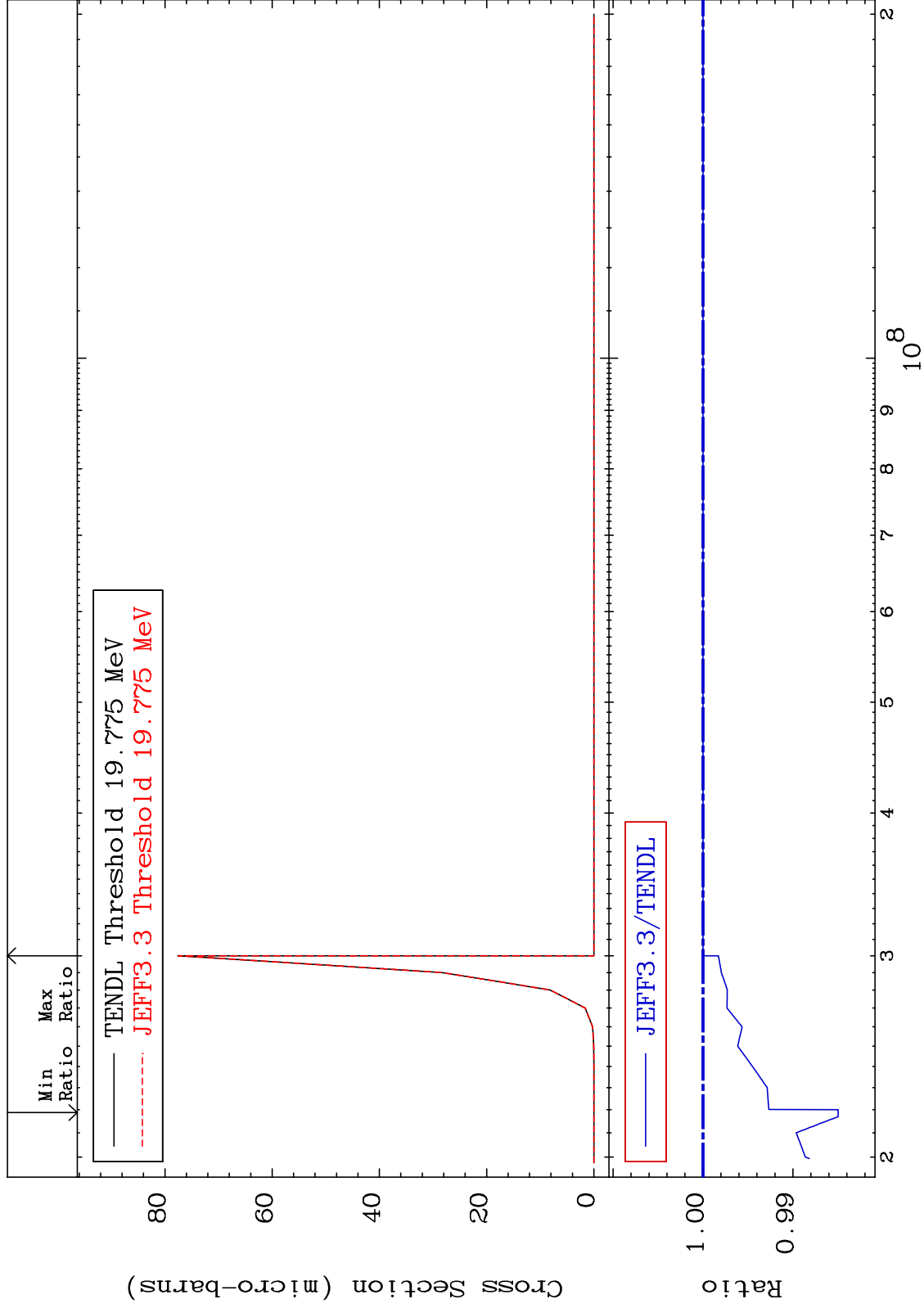
68-Er-167

MAT 6840

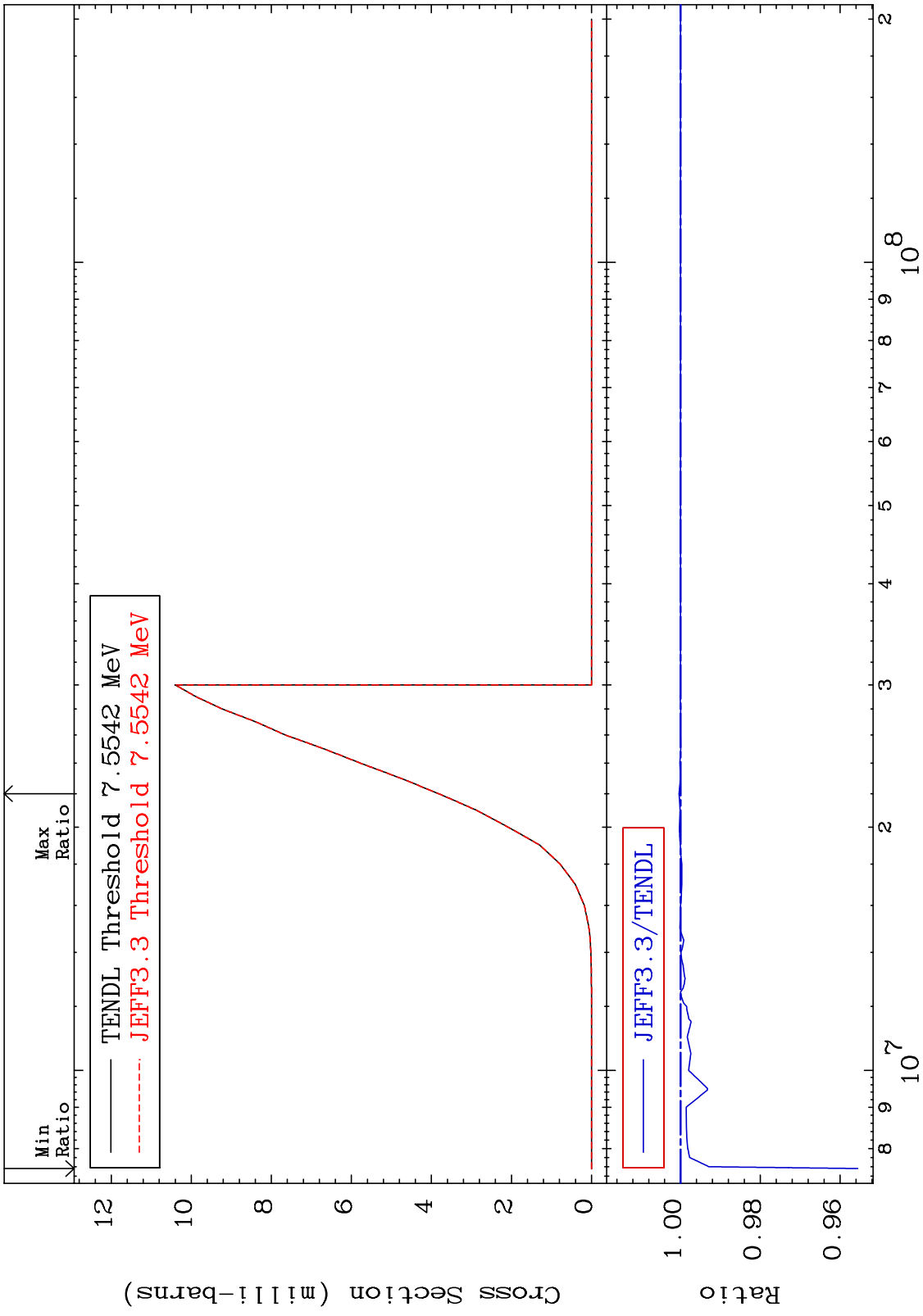
(n,2n) d:67-Ho-164m3

68-Er-167

Radionuclide Production Cross Section -1.502 To 0.000 %



MAT 6840 (n, n') p:67-Ho-166g 68-Er-167  
 Radionuclide Production Cross Section -4.447 To 0.039 %

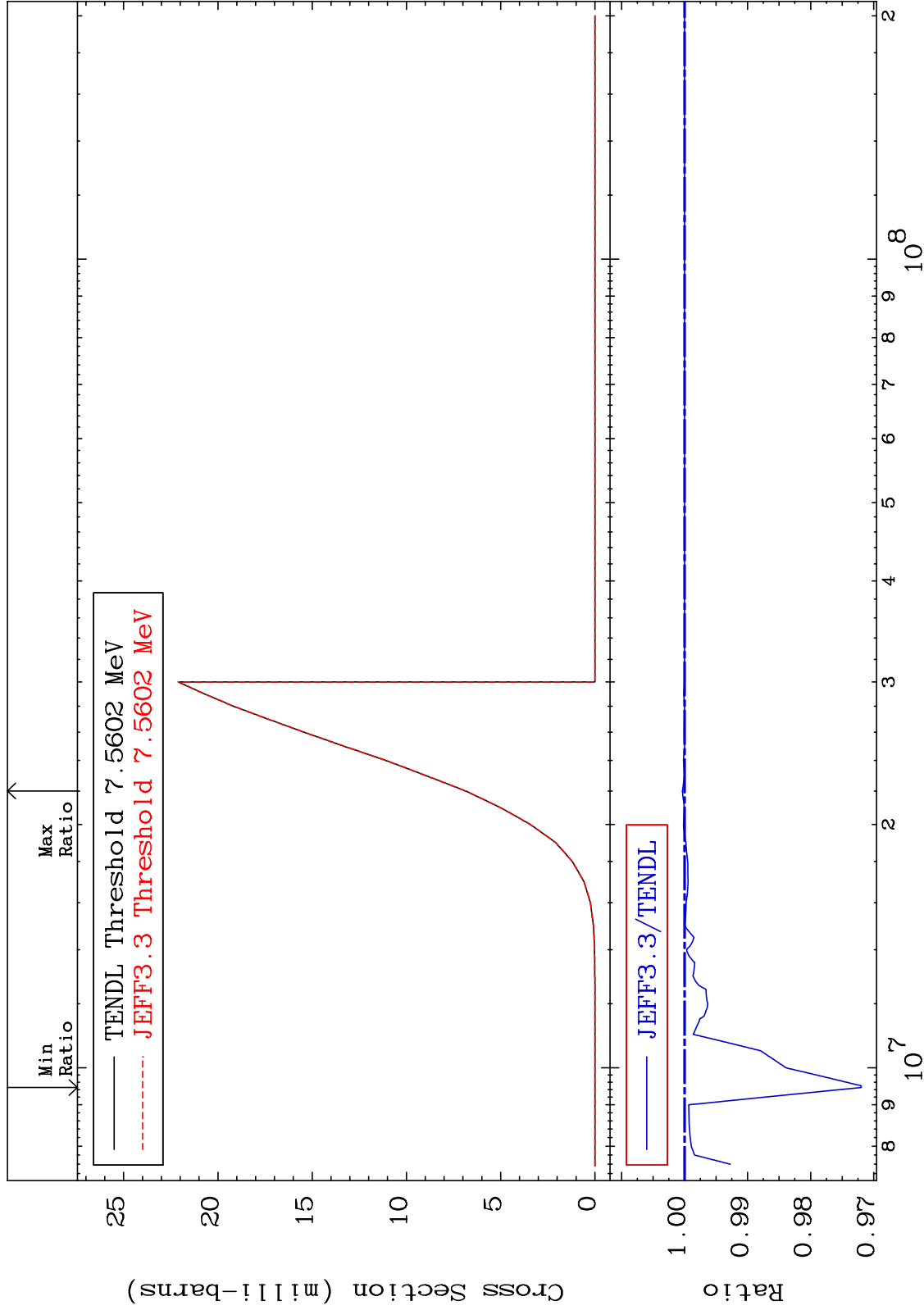


MAT 6840

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

68-Er-167

Radionuclide Production Cross Section -2.804 To 0.034 %

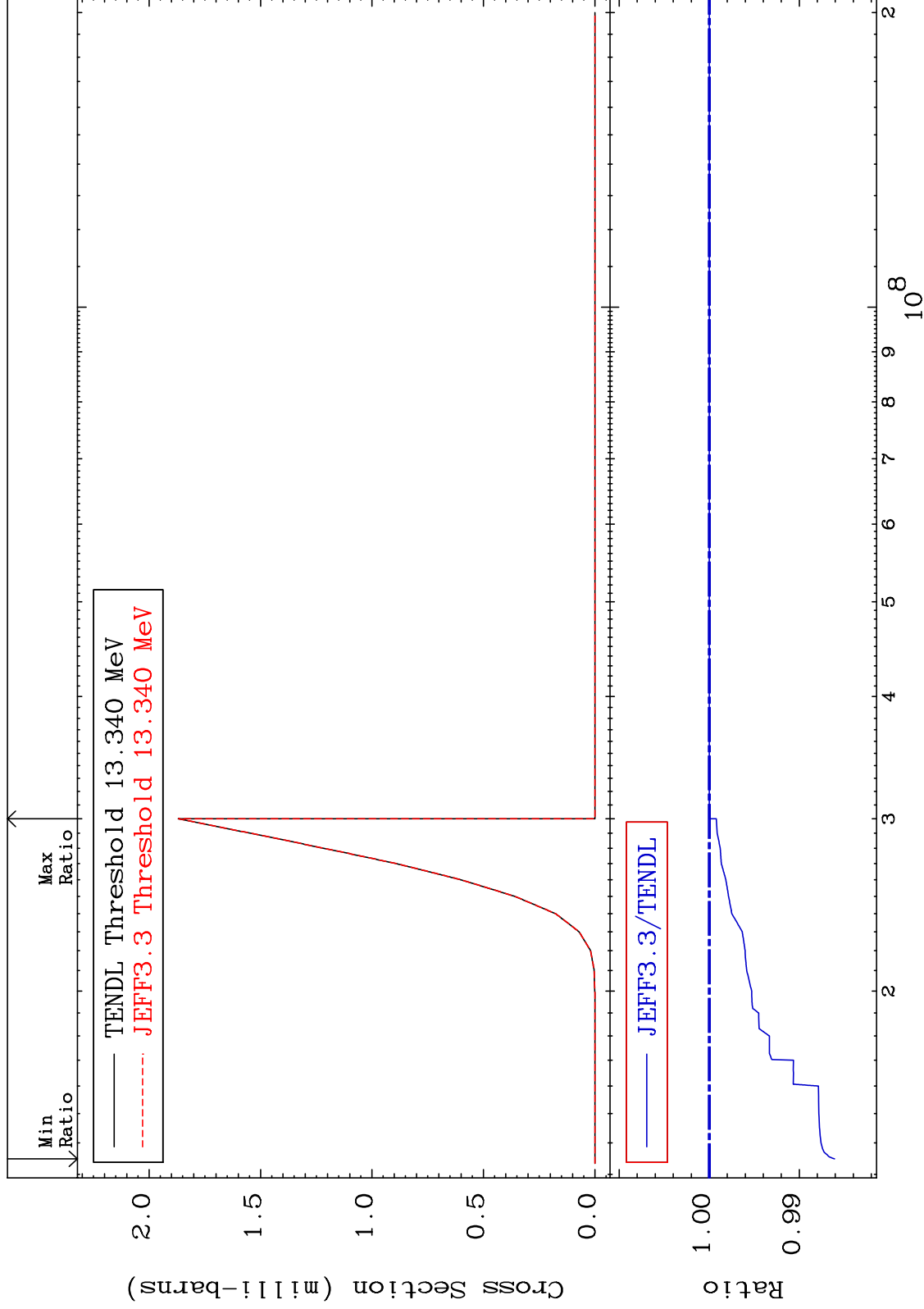


MAT 6840

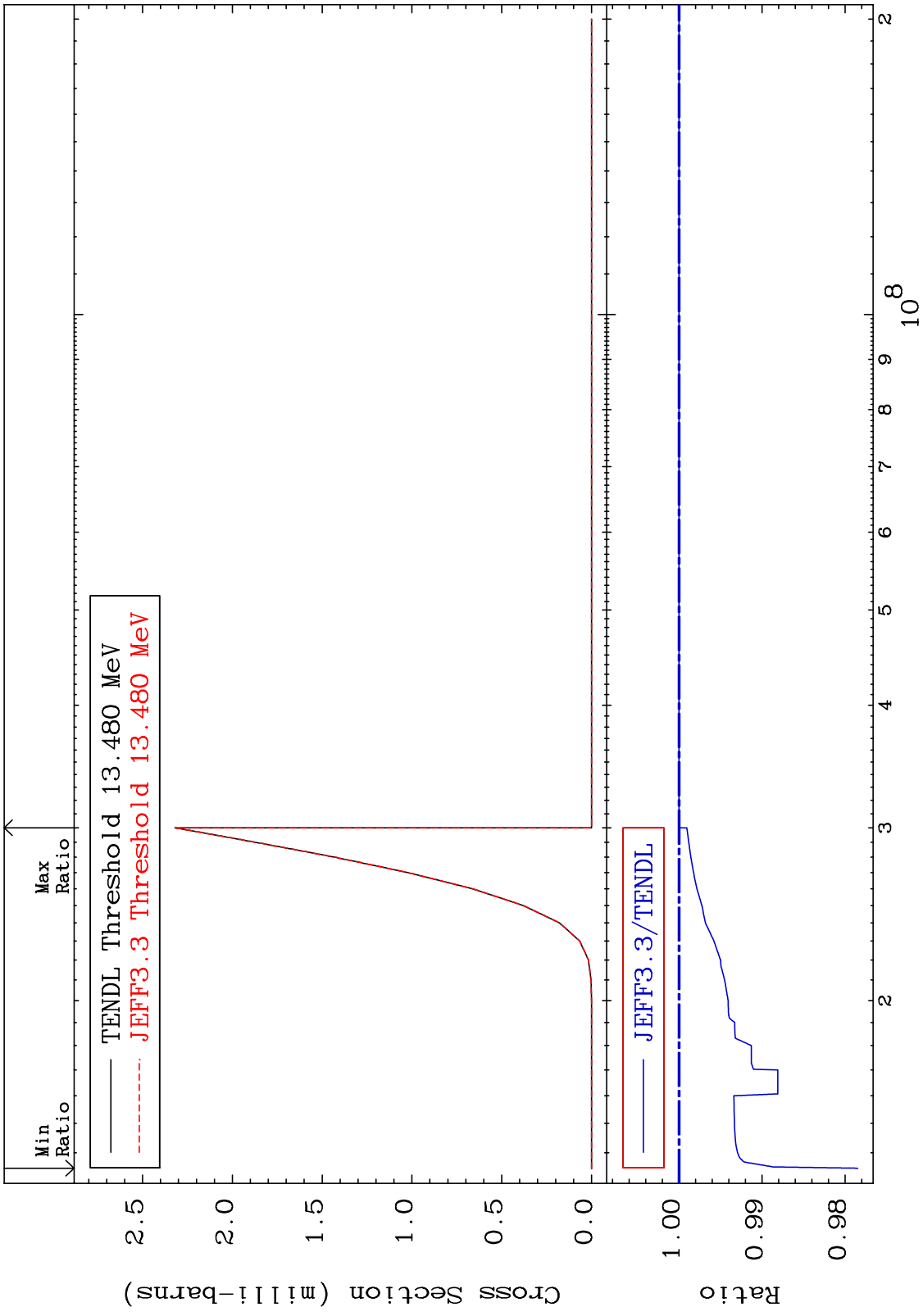
(n, n') t:67-Ho-164g

68-Er-167

Radionuclide Production Cross Section -1.391 To 0.000 %



MAT 6840 (n,n') t:67-Ho-164m3 68-Er-167  
 Radionuclide Production Cross Section -2.152 To 0.000 %

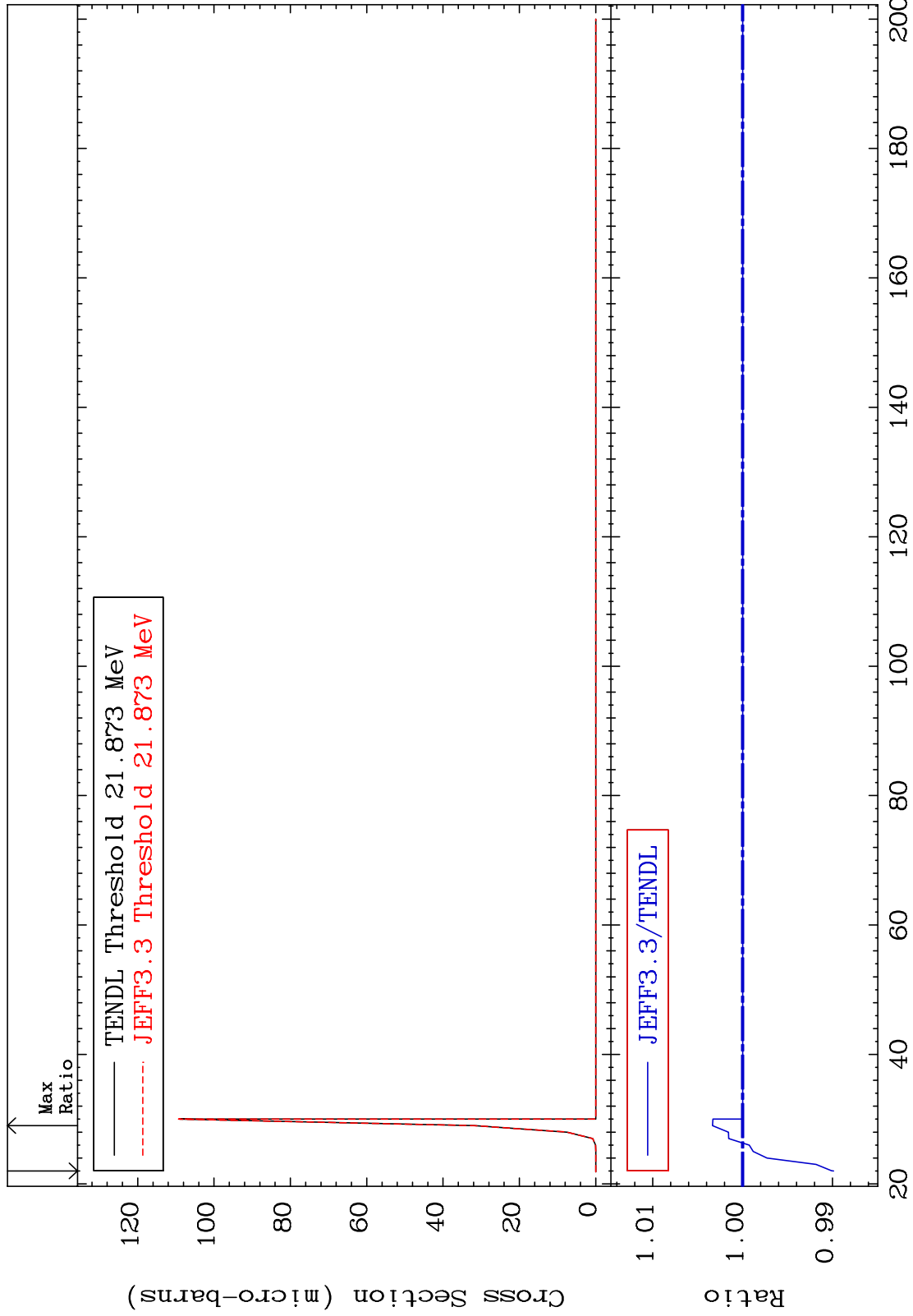


MAT 6840

(n,3n) p:67-Ho-164g

68-Er-167

Radionuclide Production Cross Section -1.012 To 0.336 %

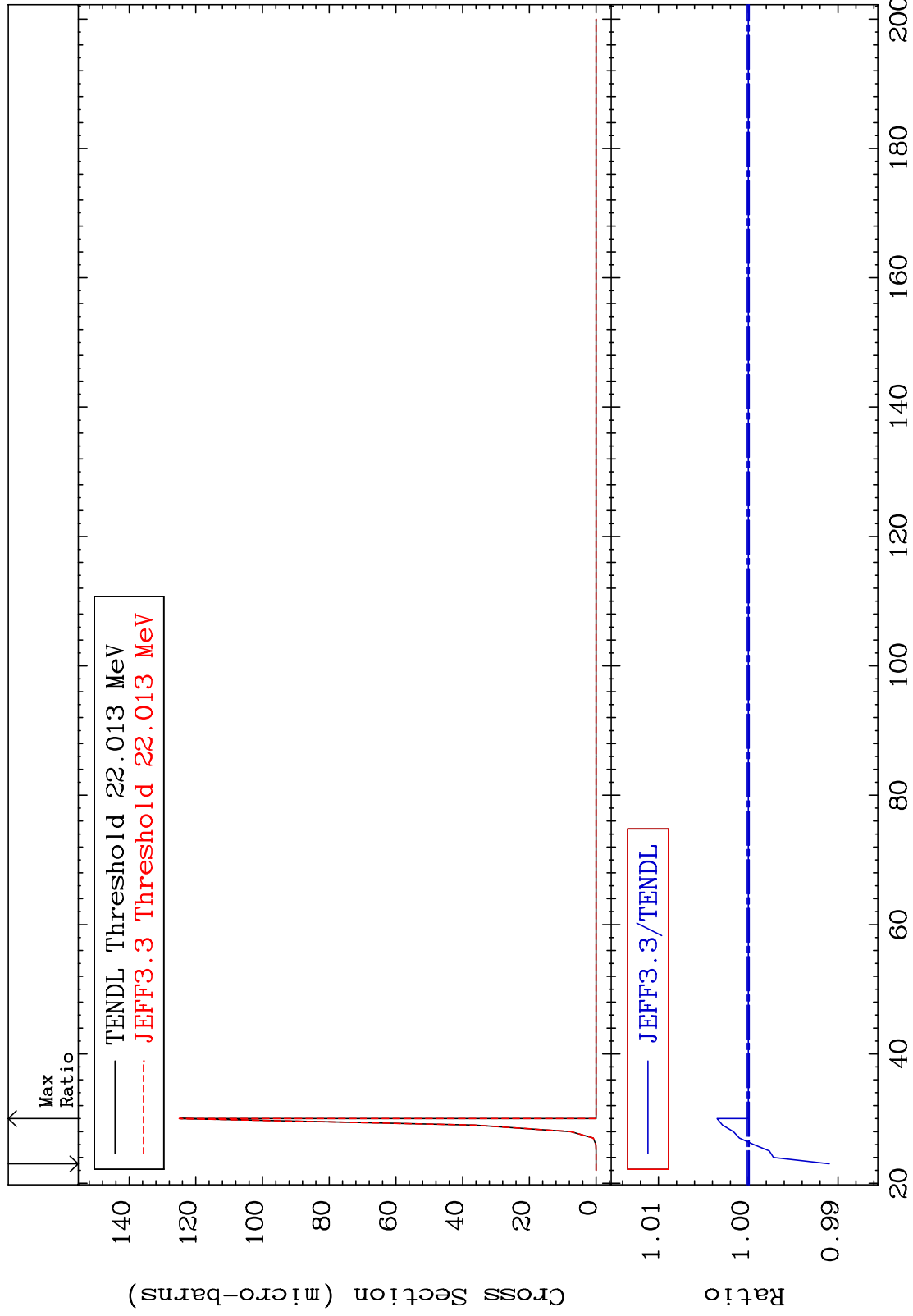


MAT 6840

(n,3n) p:67-Ho-164m3

68-Er-167

Radionuclide Production Cross Section -0.903 To 0.348 %



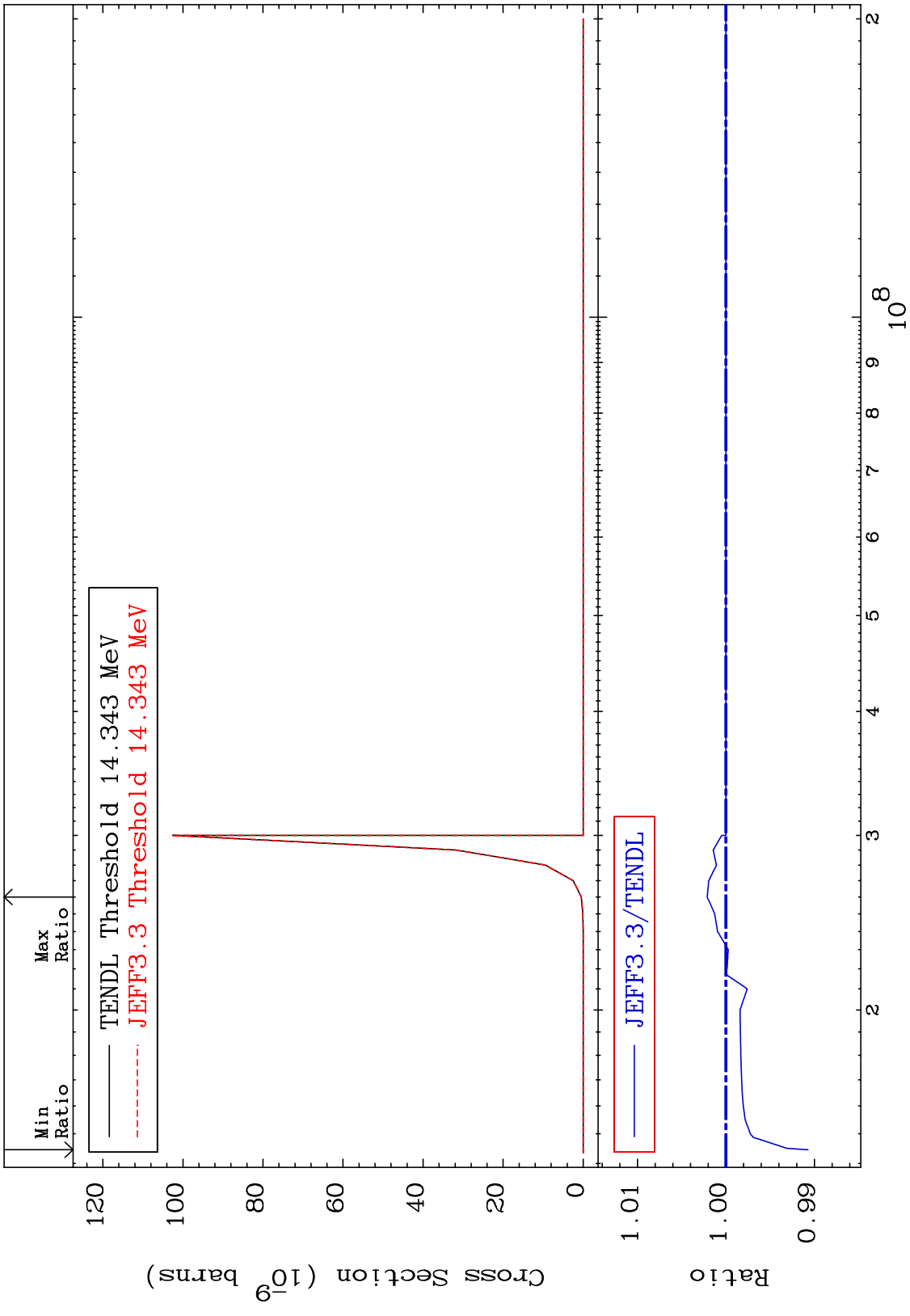
87

Incident Energy (MeV)

68-Er-167



MAT 6840 (n,2n) p:66-Dy-165g 68-Er-167  
 Radionuclide Production Cross Section -0.928 To 0.212 %

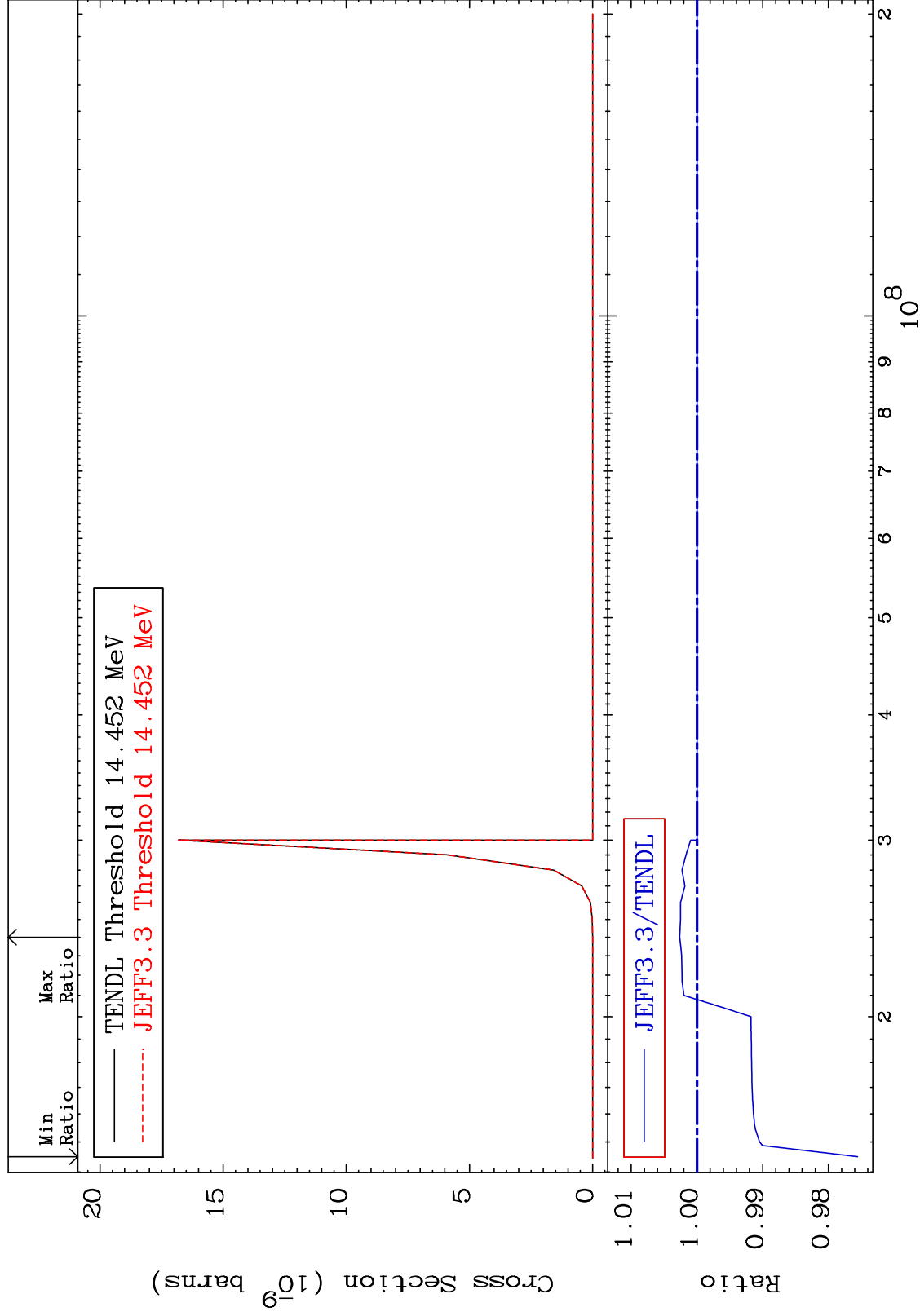


MAT 6840

(n,2n) p:66-Dy-165m2

68-Er-167

Radionuclide Production Cross Section -2.444 To 0.263 %



89

Incident Energy (eV)

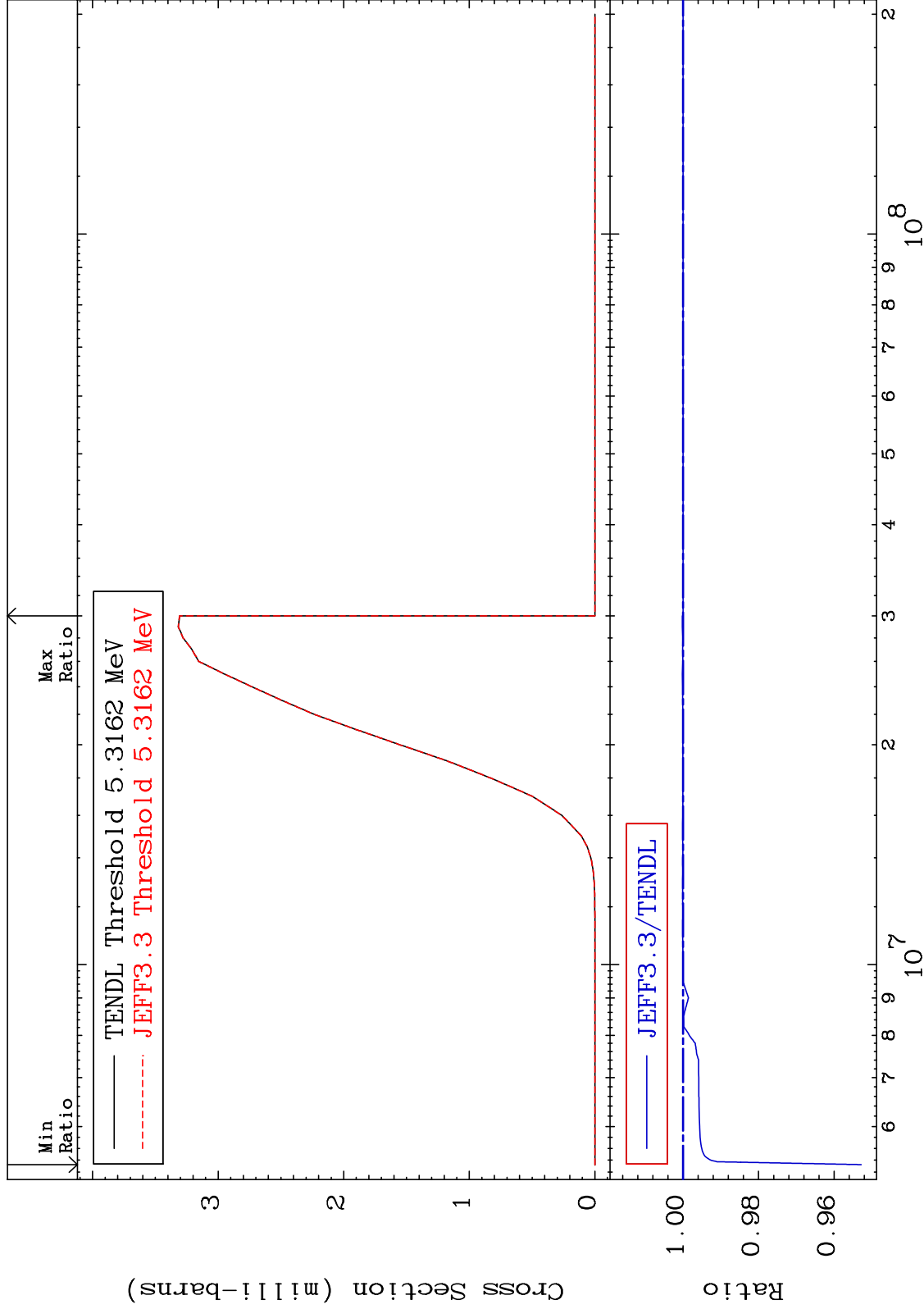
68-Er-167

MAT 6840

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

68-Er-167

Radionuclide Production Cross Section -4.719 To 0.015 %

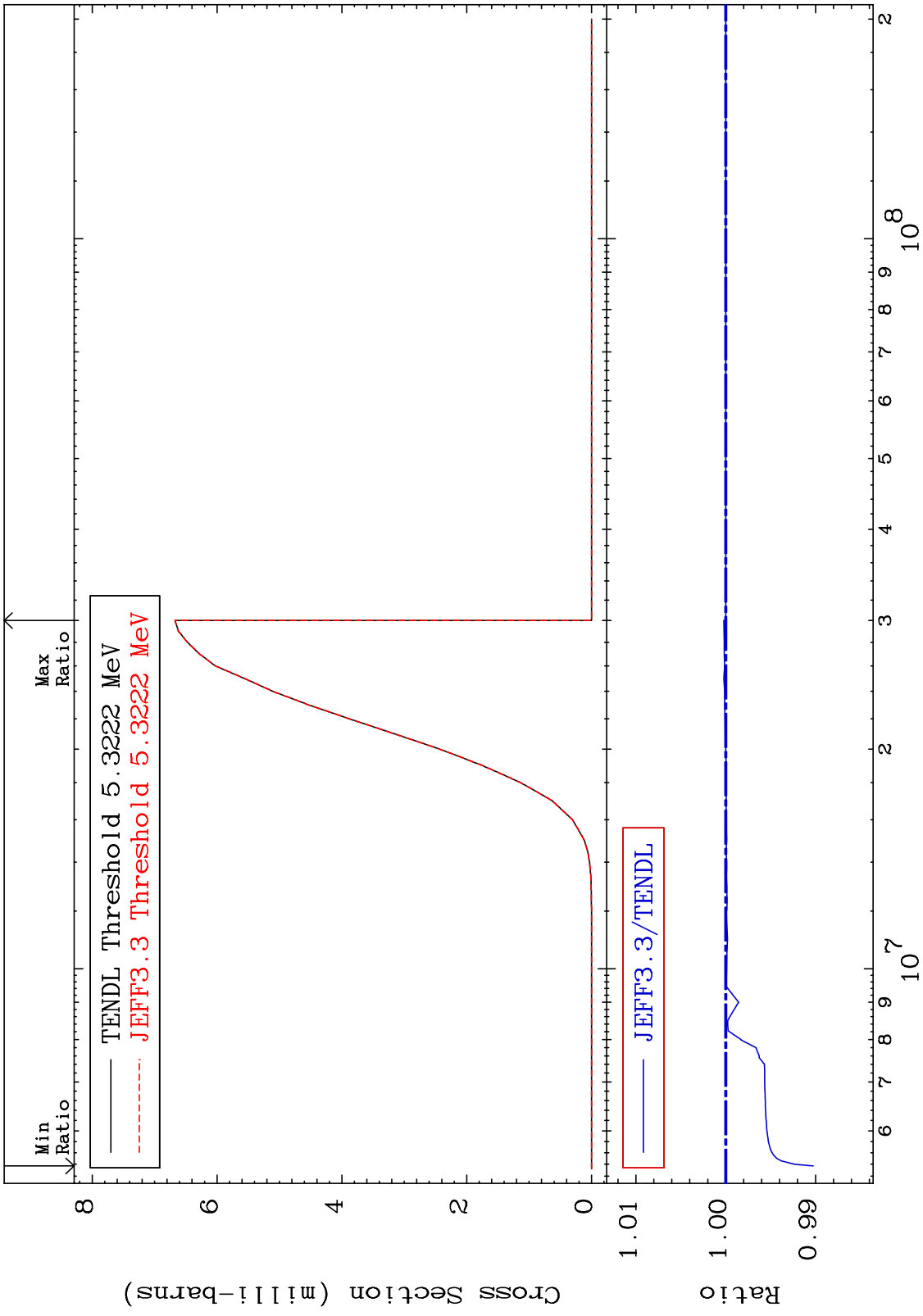


90

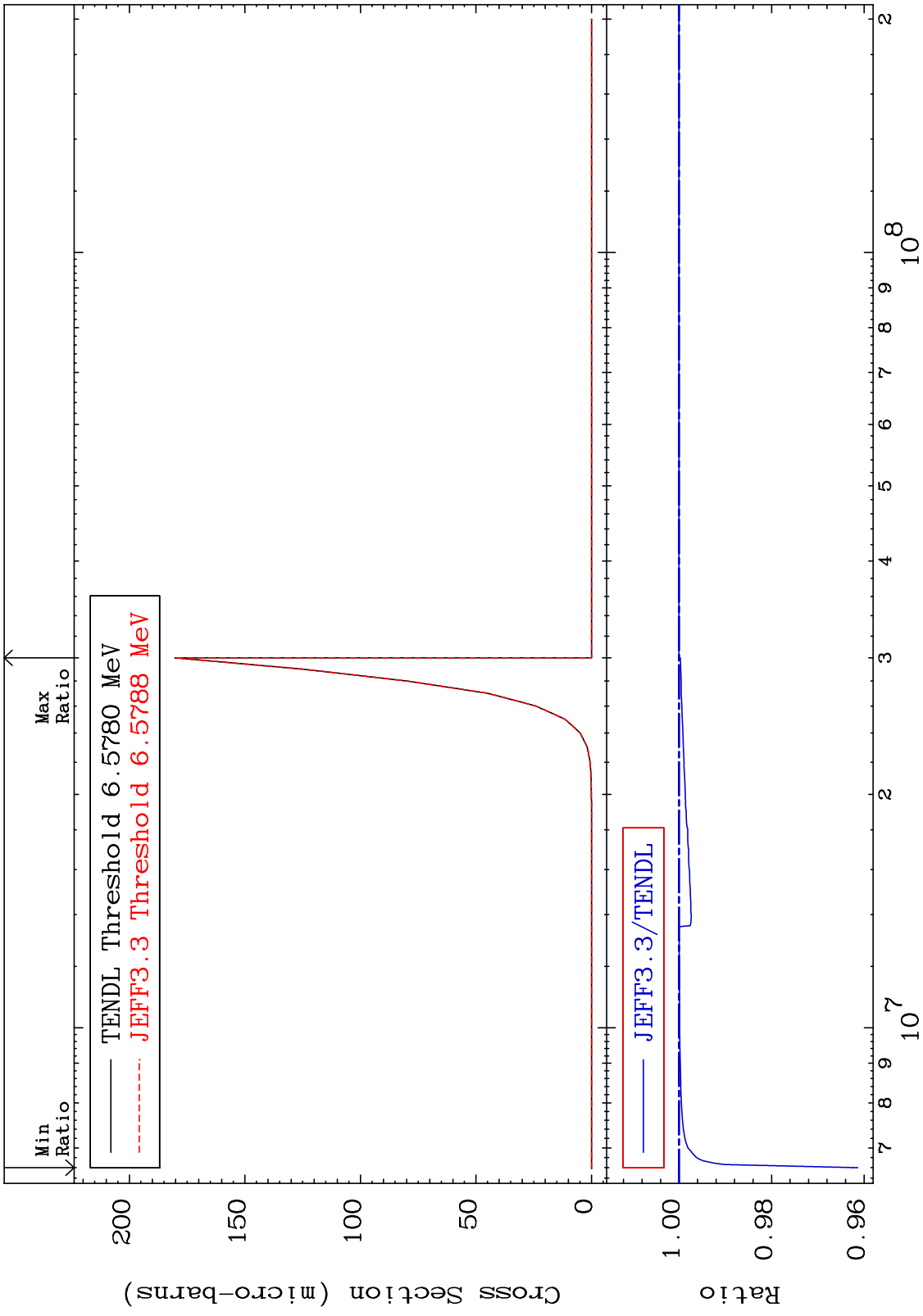
Incident Energy (eV)

68-Er-167

MAT 6840 (n,d):67-Ho-166m1 68-Er-167  
 Radionuclide Production Cross Section -0.973 To 0.022 %



MAT 6840 (n, He-3): 66-Dy-165g 68-Er-167  
Radionuclide Production Cross Section -3.865 To 0.000 %



MAT 6840

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

68-Er-167

Radionuclide Production Cross Section -1.630 To 0.000 %

