

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

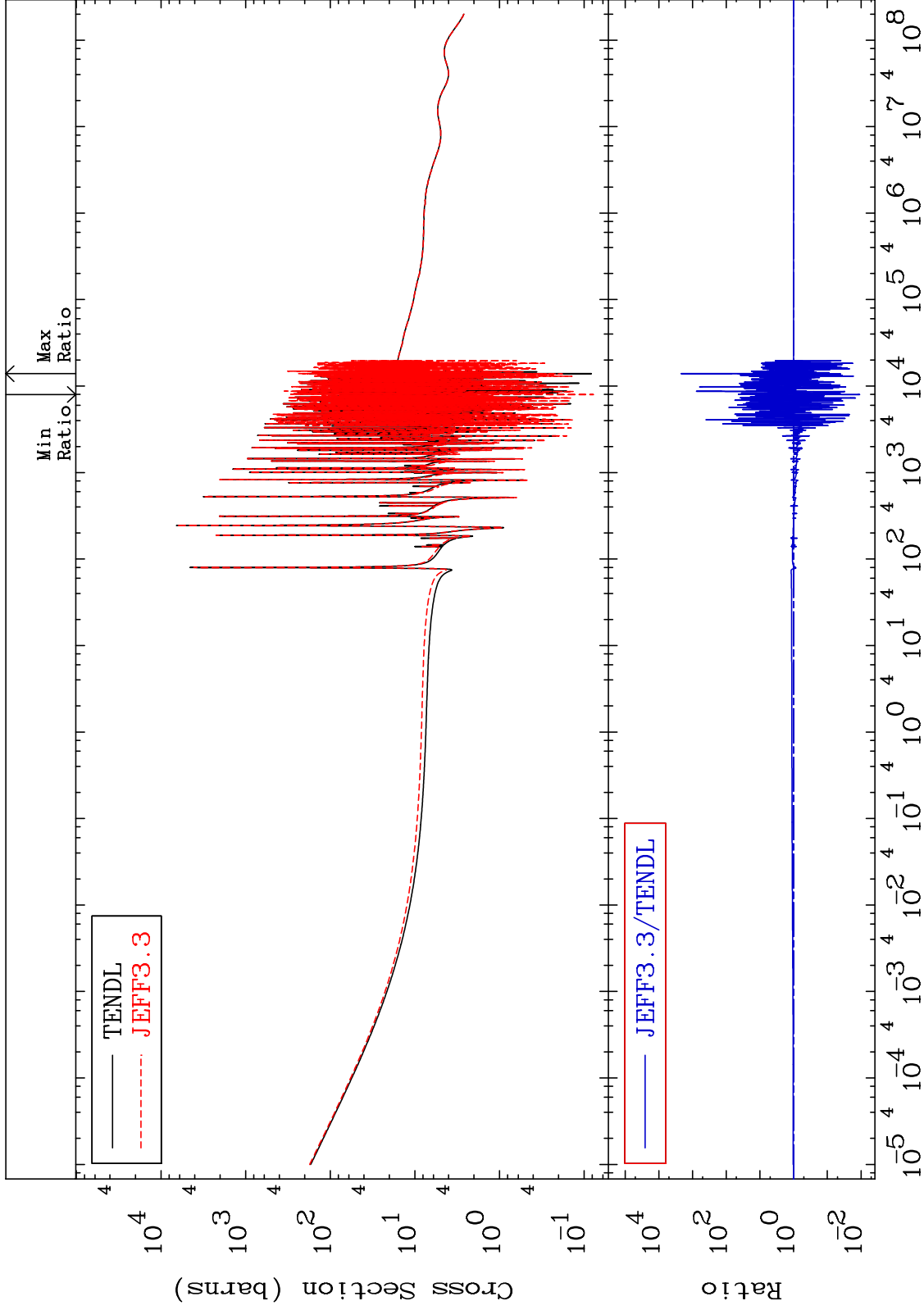
MAT 6843

Total

68-Er-168

Cross Section

-98.90 To 9999. %



Incident Energy (eV)

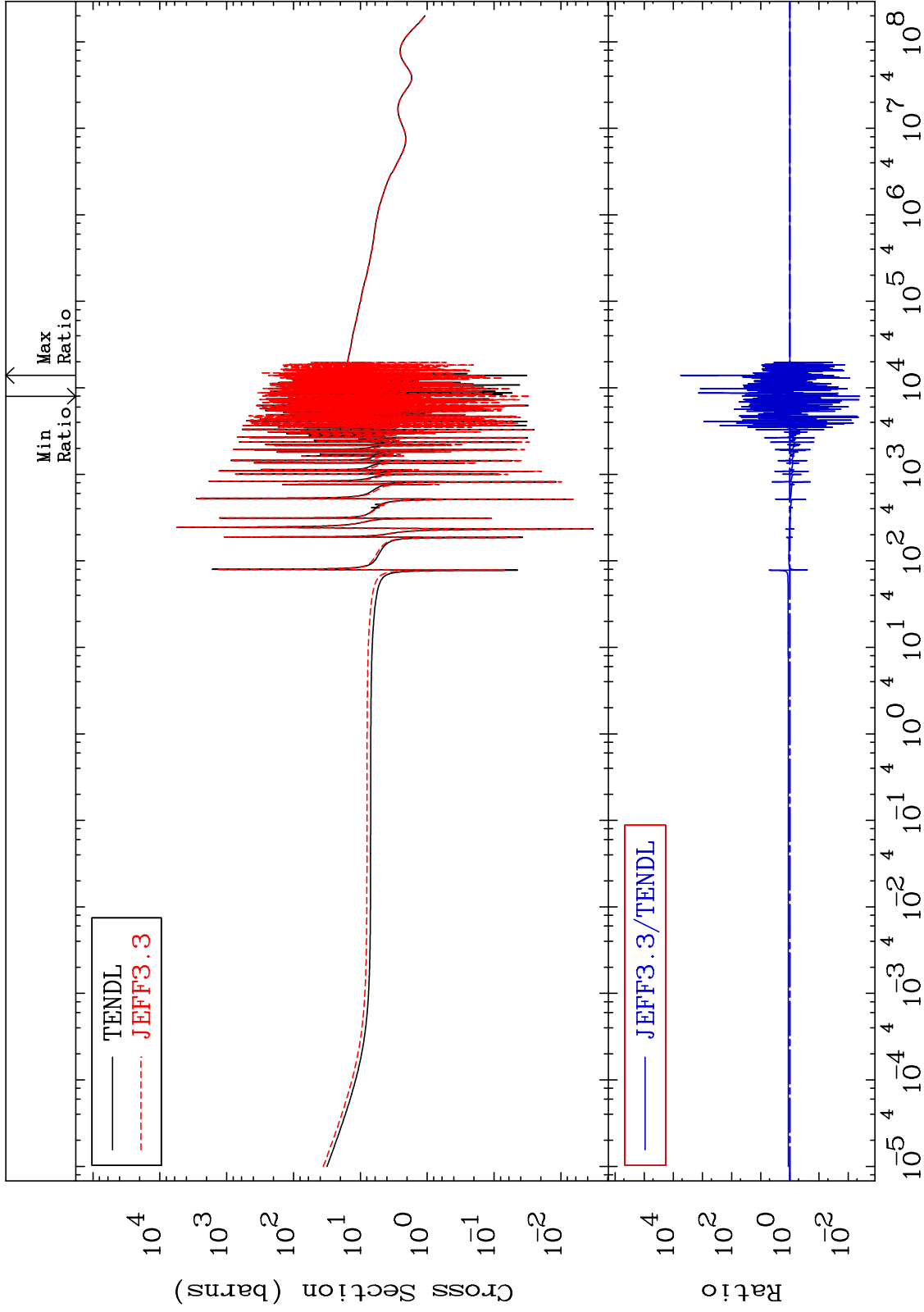
68-Er-168

1

MAT 6843

Elastic
Cross Section

68-Er-168
-99.60 To 9999. %

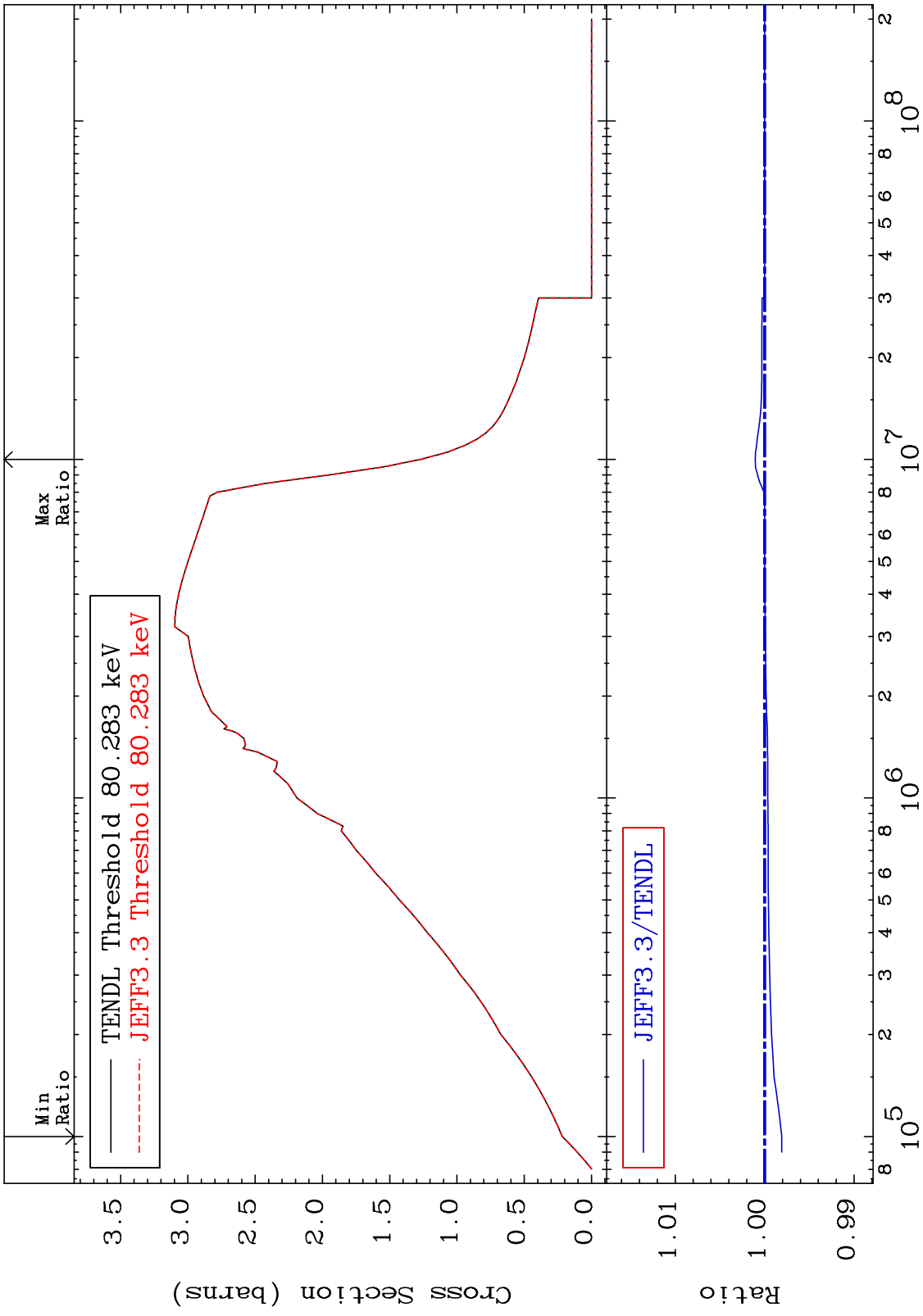


2

Incident Energy (eV)

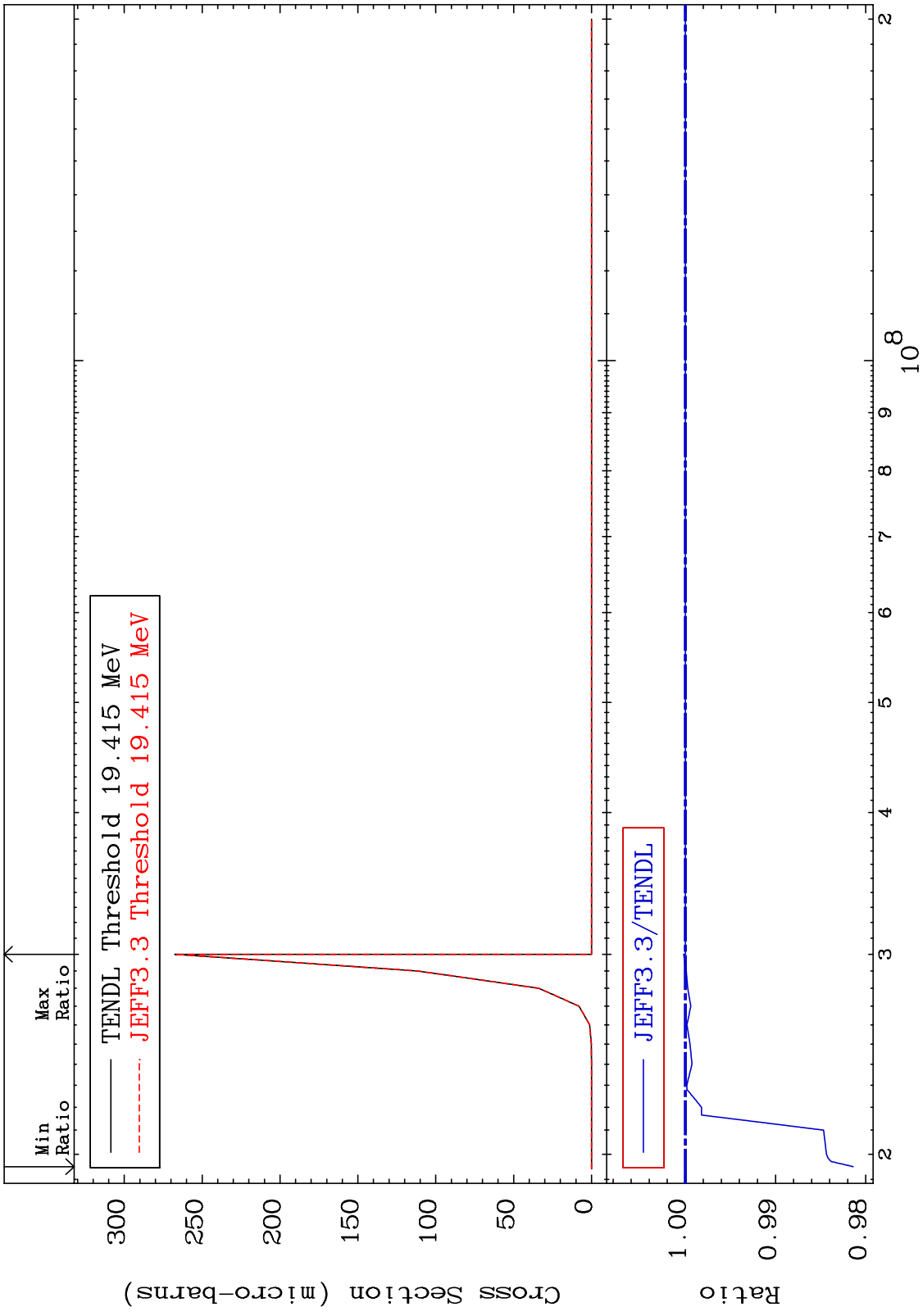
68-Er-168

MAT 6843 Inelastic Cross Section 68-Er-168 -0.191 To 0.106 %

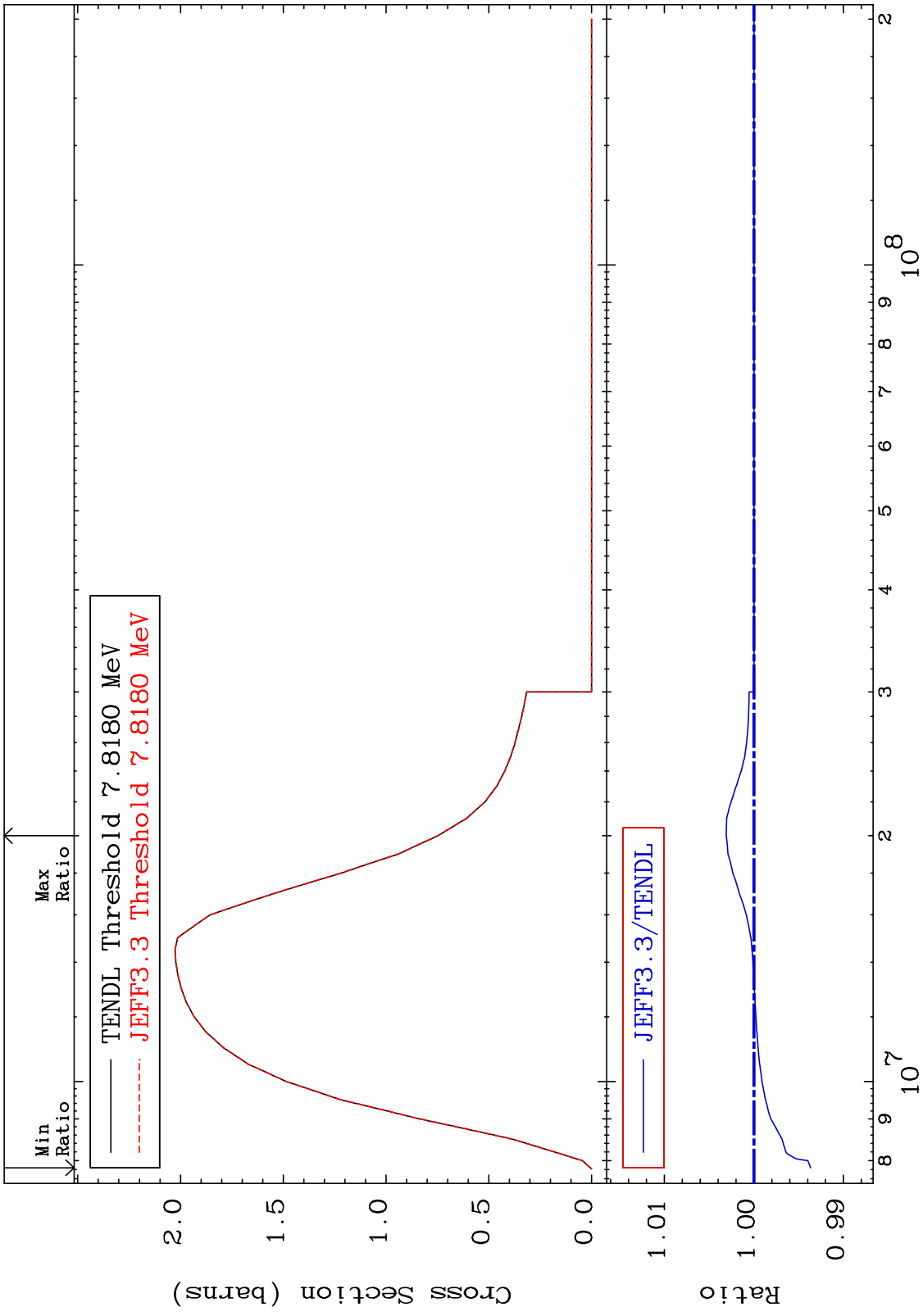


3 Incident Energy (eV) 68-Er-168

MAT 6843 (n,2n) d 68-Er-168
 Cross Section -1.862 To 0.019 %



MAT 6843 (n,2n) Cross Section 68-Er-168 -0.633 To 0.309 %



5 Incident Energy (eV) 68-Er-168

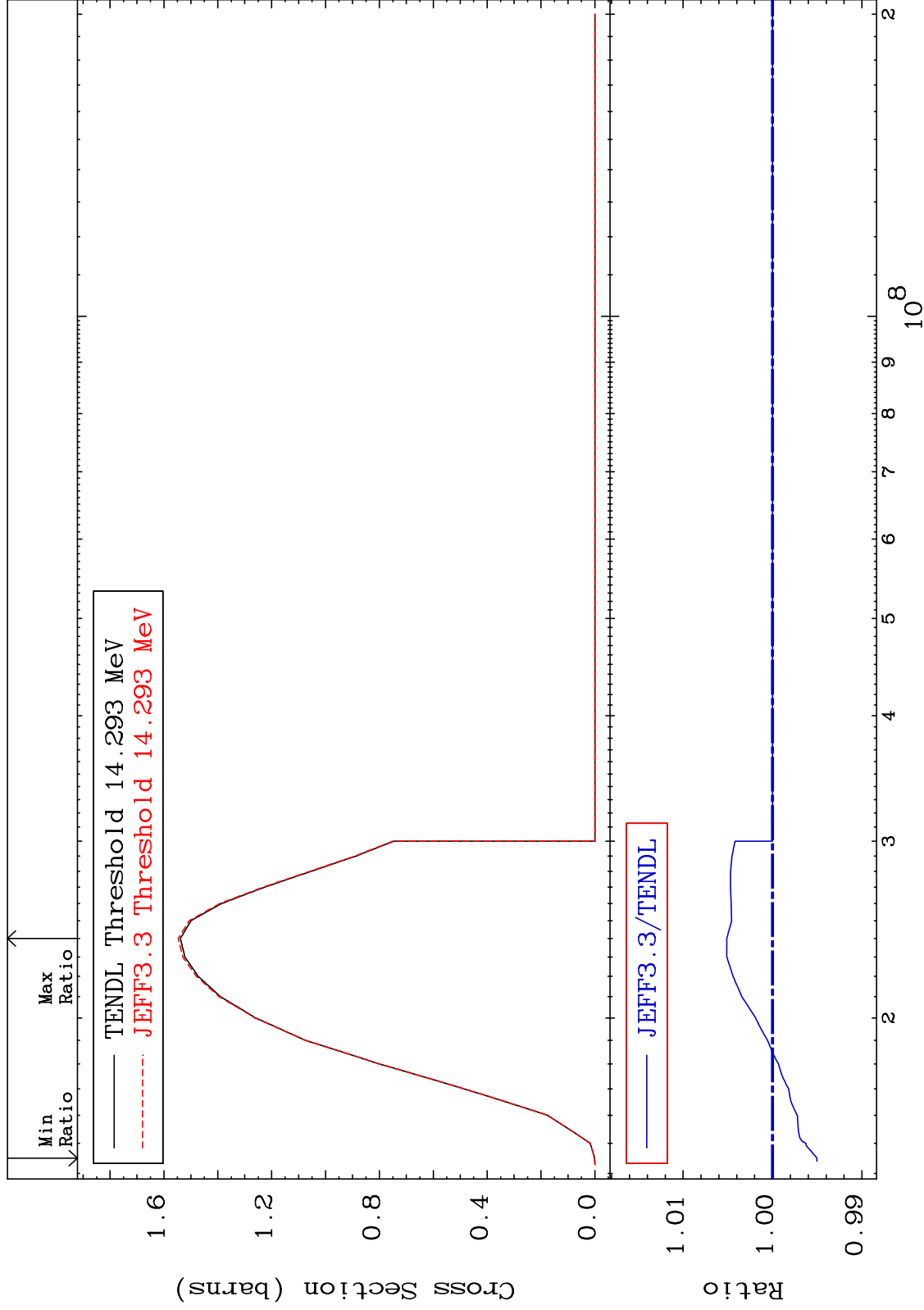
MAT 6843

(n,3n)

68-Er-168

Cross Section

-0.497 To 0.511 %



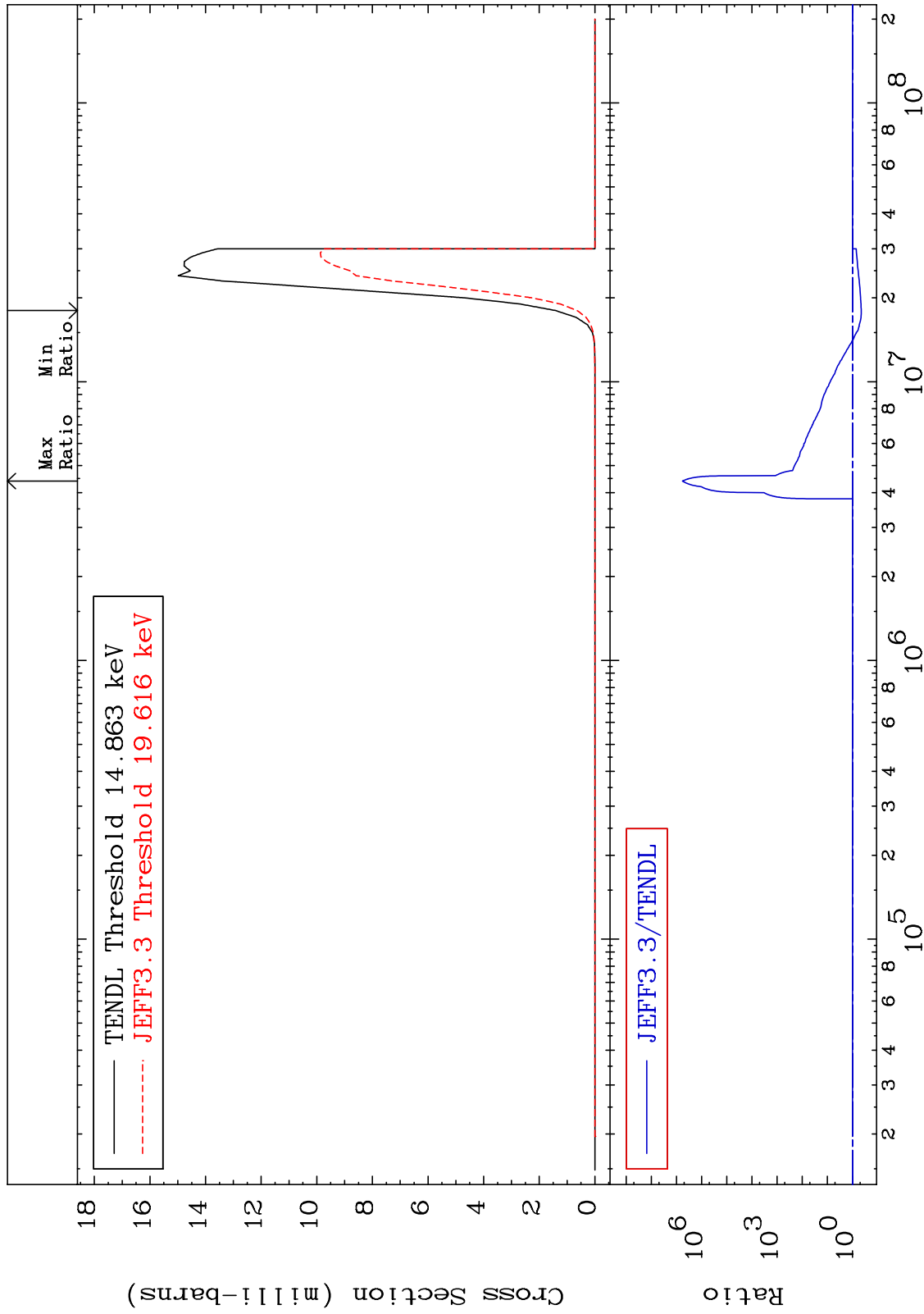
MAT 6843

$(n, n') \alpha$

68-Er-168

-54.88 To 9999. %

Cross Section



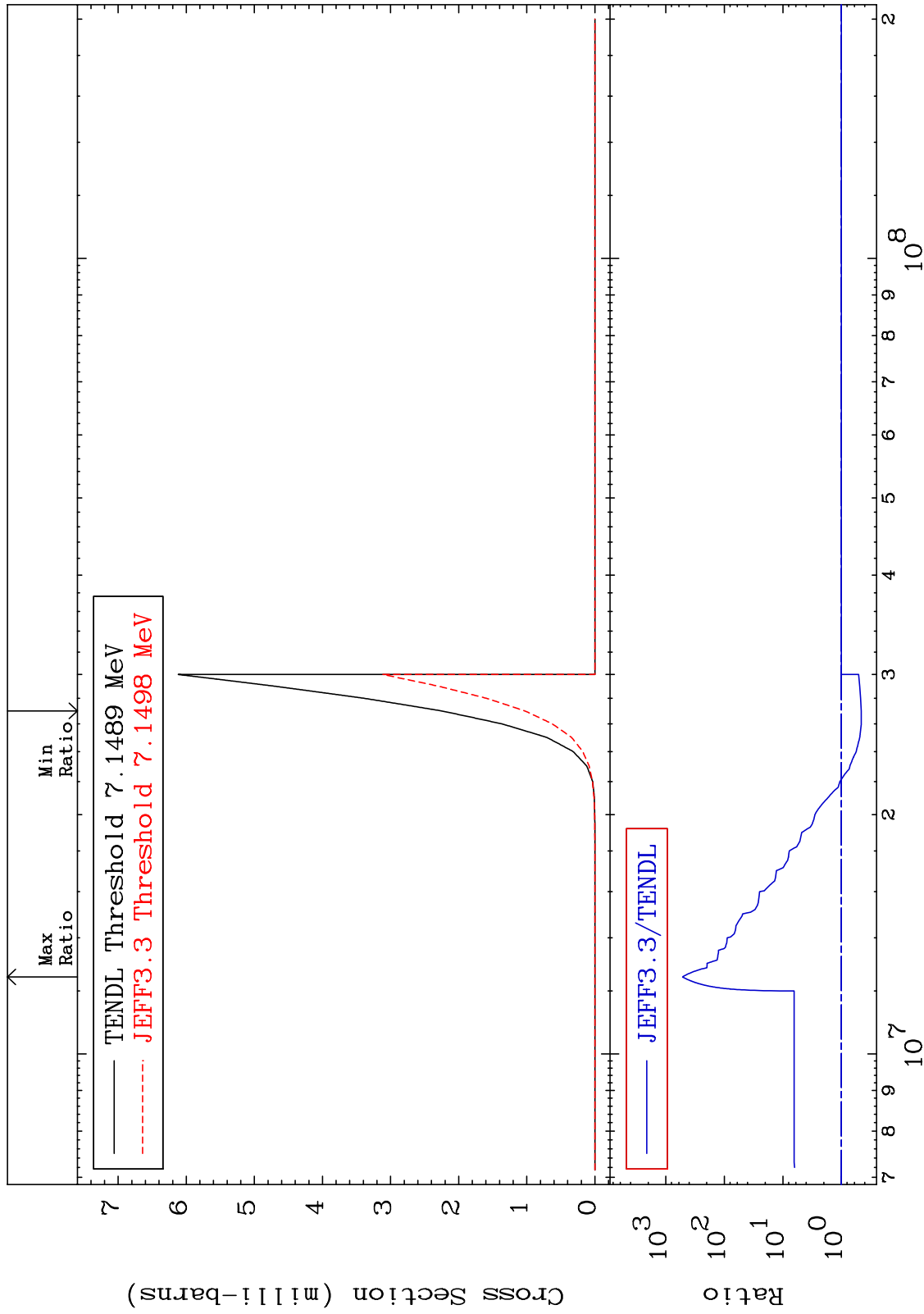
MAT 6843

(n,2n) α

68-Er-168

Cross Section

-54.26 To 9999. %



8

Incident Energy (eV)

68-Er-168

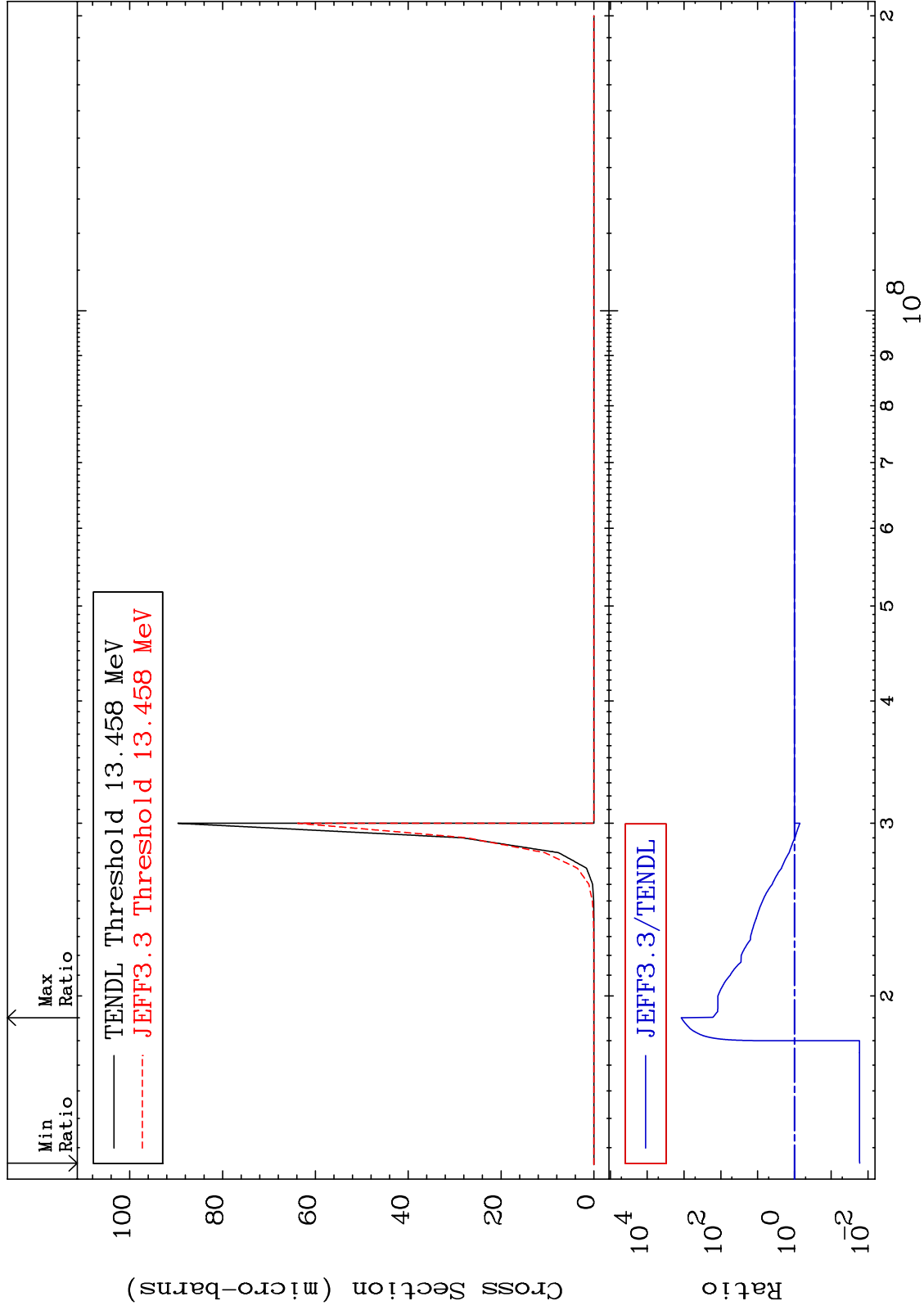
MAT 6843

(n,3n) α

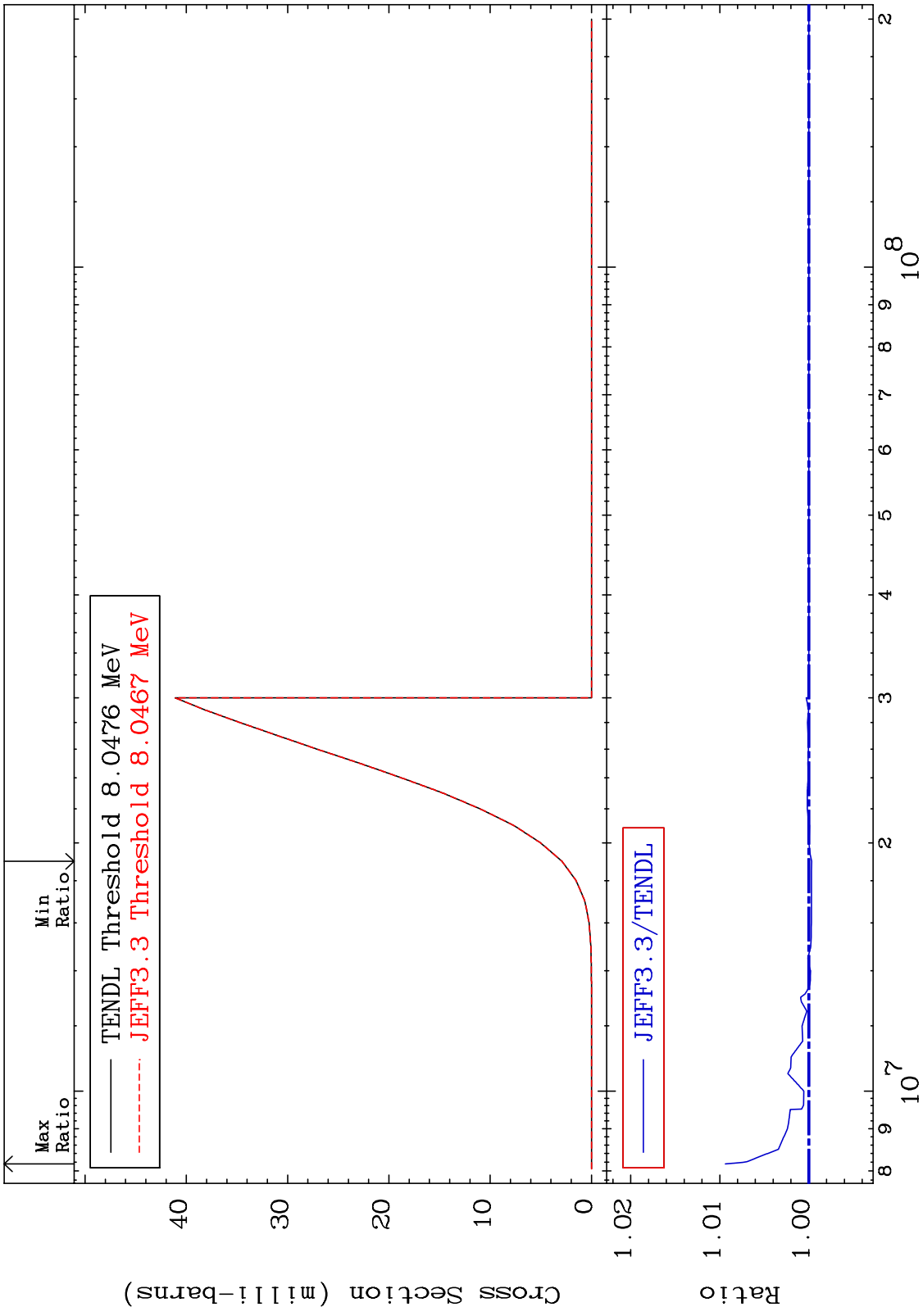
68-Er-168

Cross Section

-98.32 To 9999. %



MAT 6843 68-Er-168
(n,n') p
Cross Section
-0.032 To 0.938 %

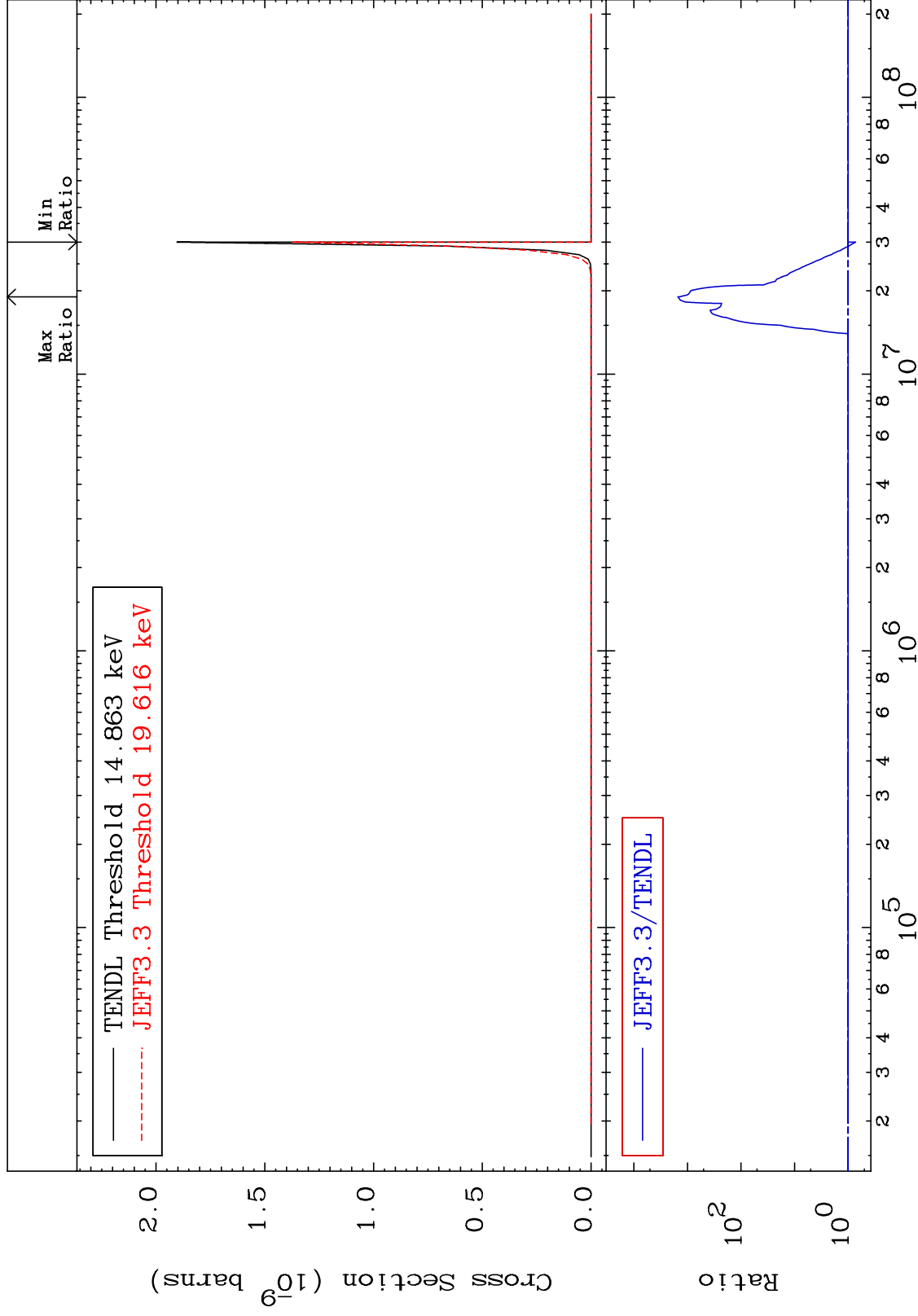


68-Er-168

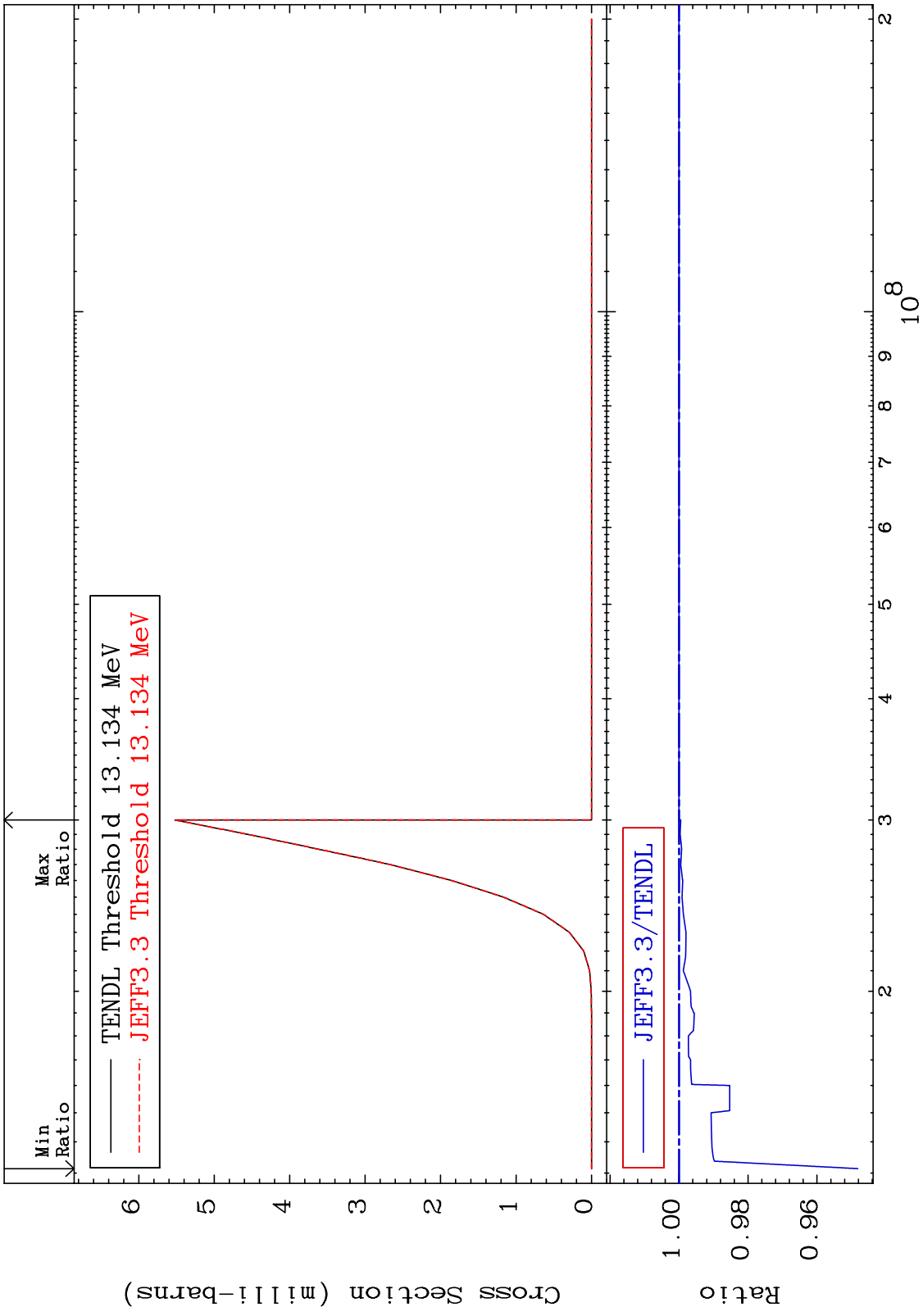
MAT 6843

(n,n') 2α
Cross Section

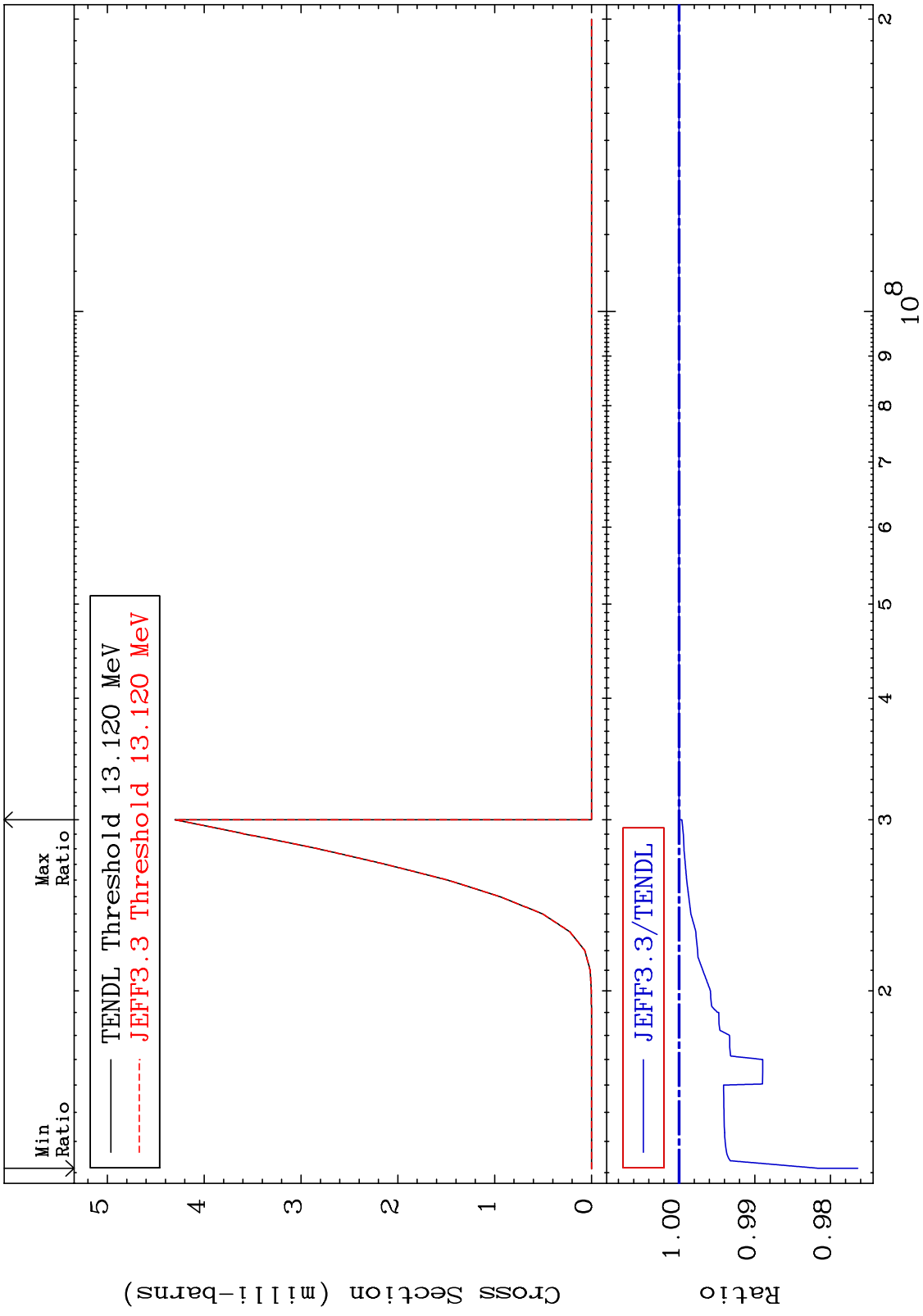
68-Er-168
-27.81 To 9999. %



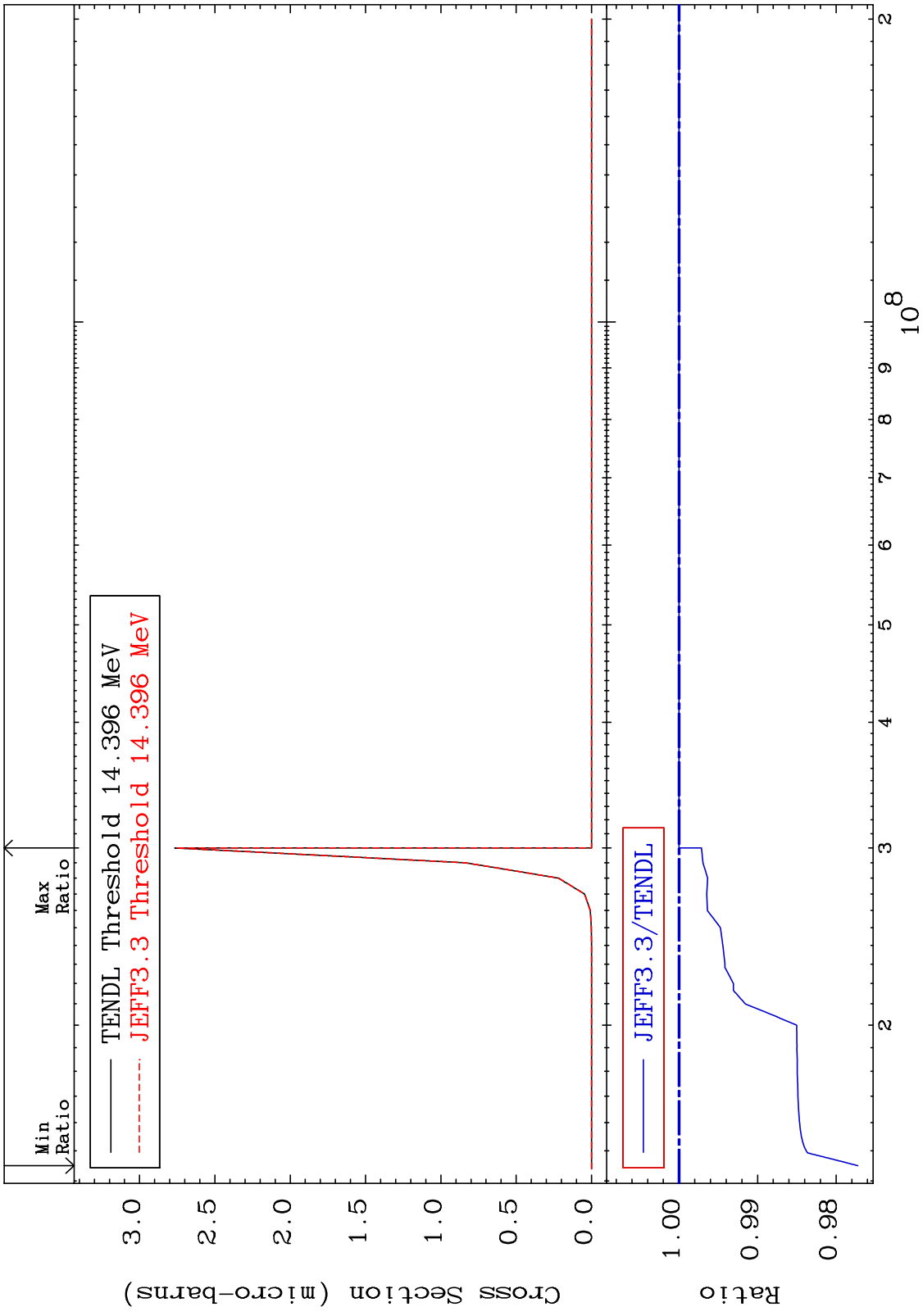
MAT 6843 (n, n') d 68-Er-168
 Cross Section -5.184 To 0.000 %



MAT 6843 $(n, n') t$ 68-Er-168
 Cross Section -2.362 To 0.000 %



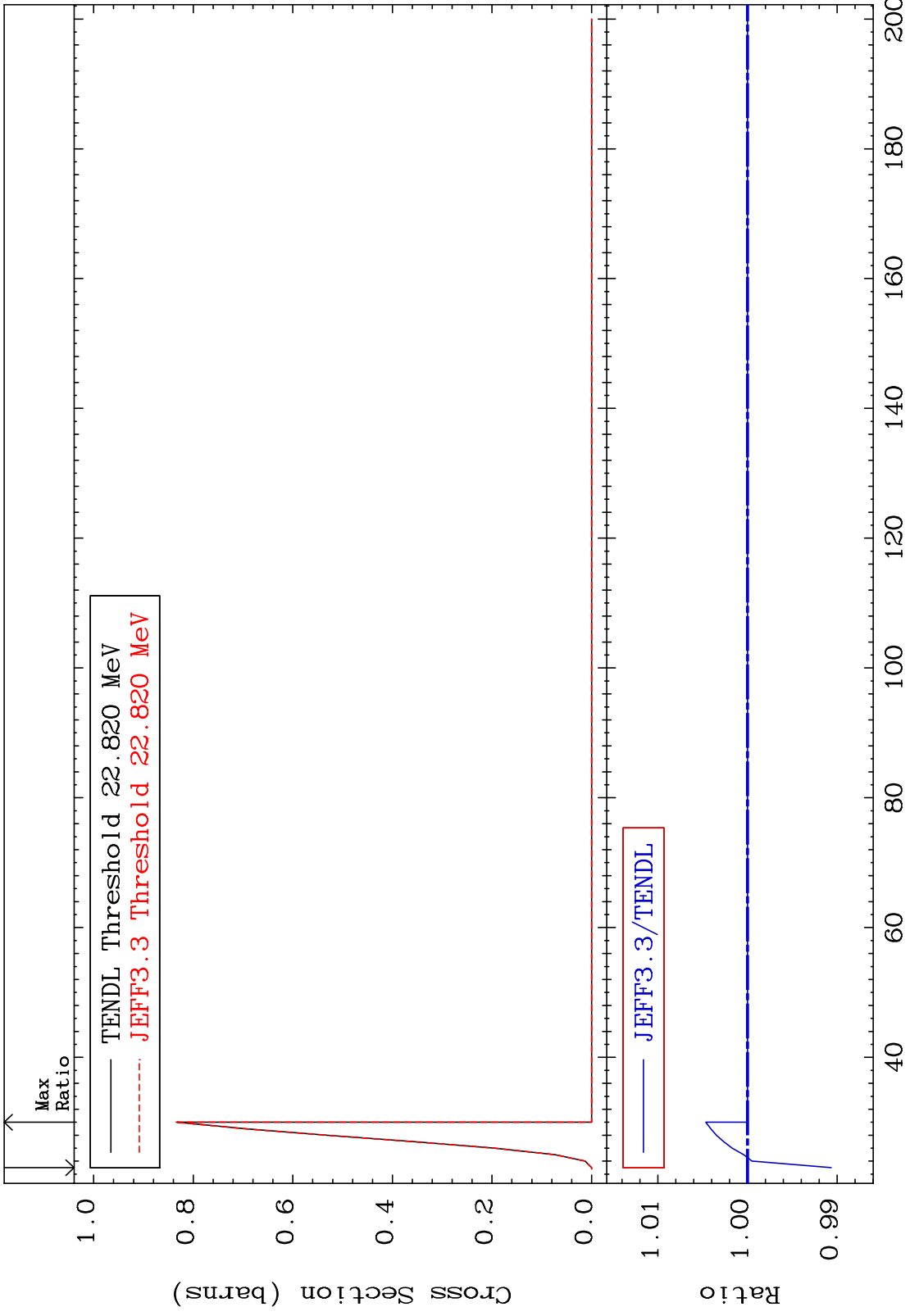
MAT 6843 (n, n') He-3 68-Er-168
 Cross Section -2.277 To 0.000 %



68-Er-168

Incident Energy (eV)

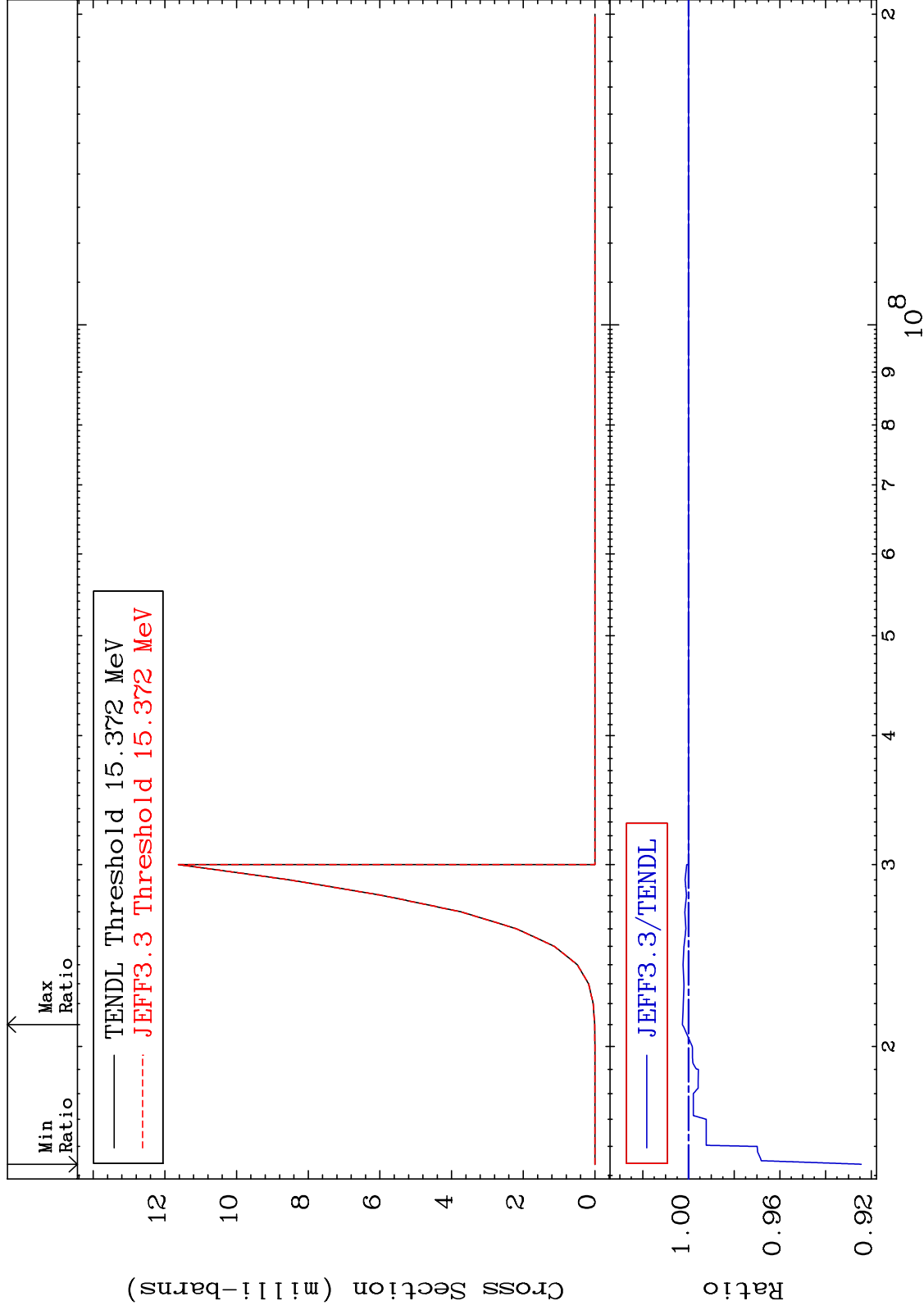
MAT 6843 (n,4n) Cross Section 68-Er-168 -0.935 To 0.466 %



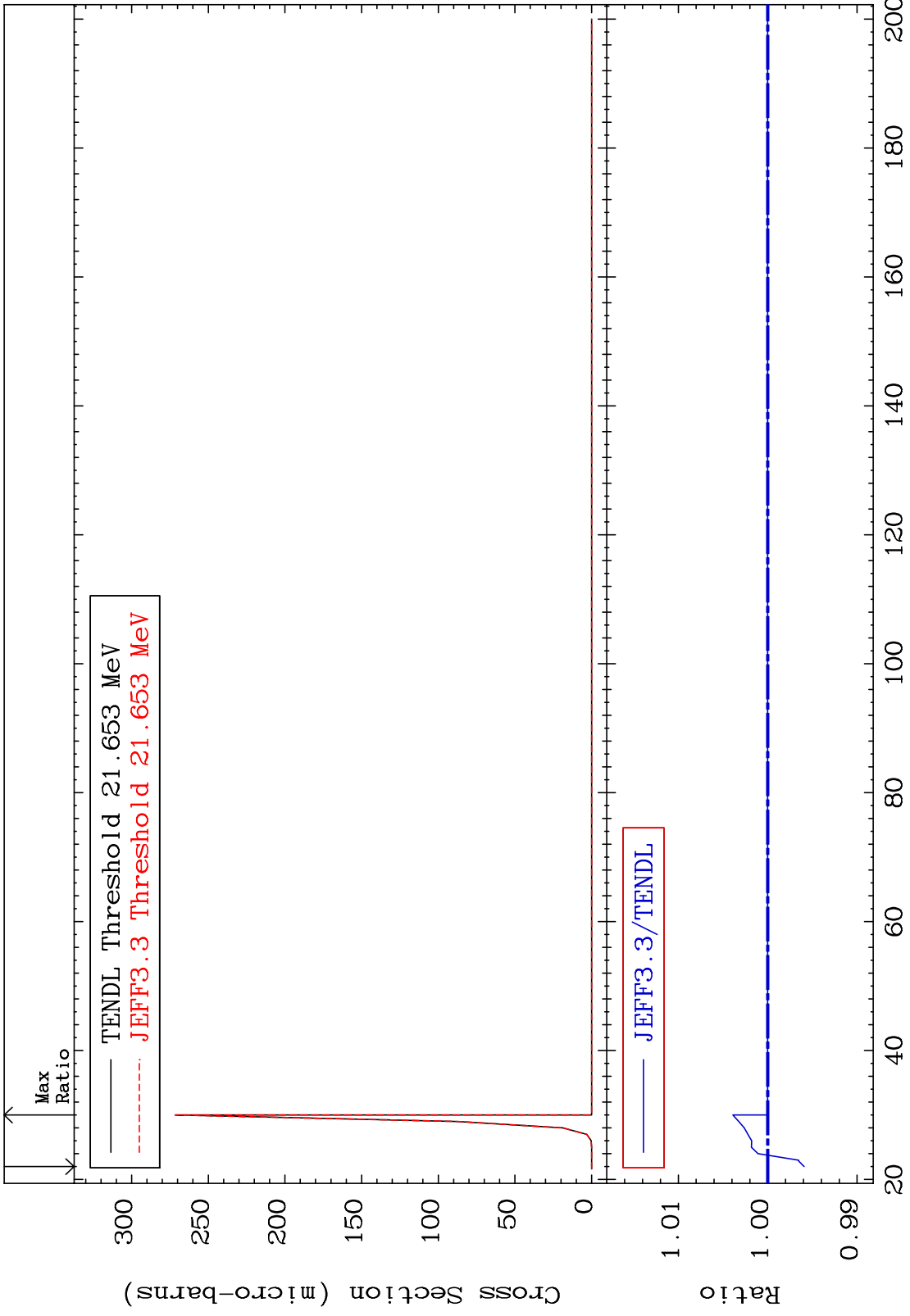
MAT 6843

(n,2n) p
Cross Section

68-Er-168
-7.561 To 0.263 %



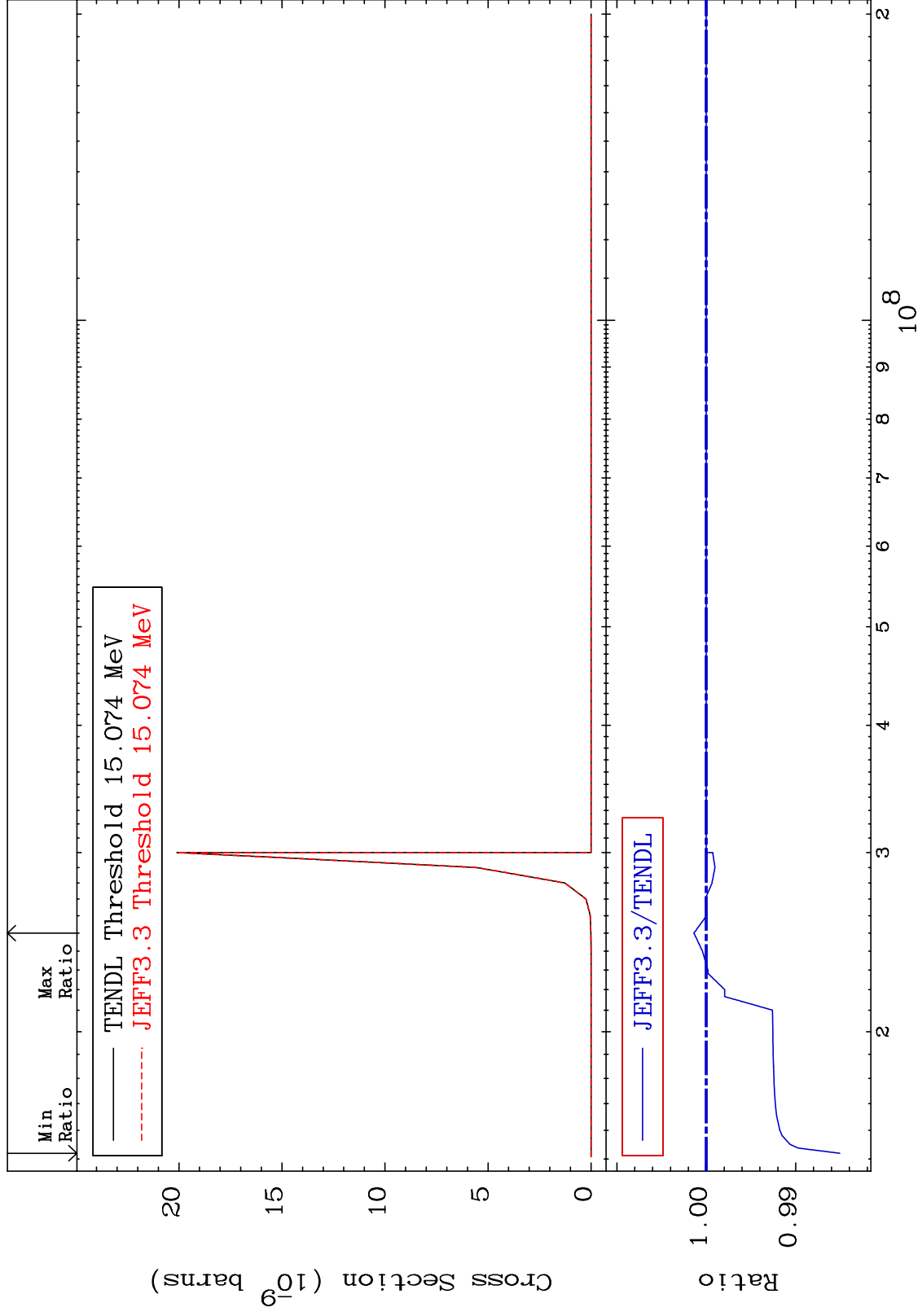
MAT 6843 (n,3n) p 68-Er-168
Cross Section -0.408 To 0.390 %



MAT 6843

(n,2n) p
Cross Section

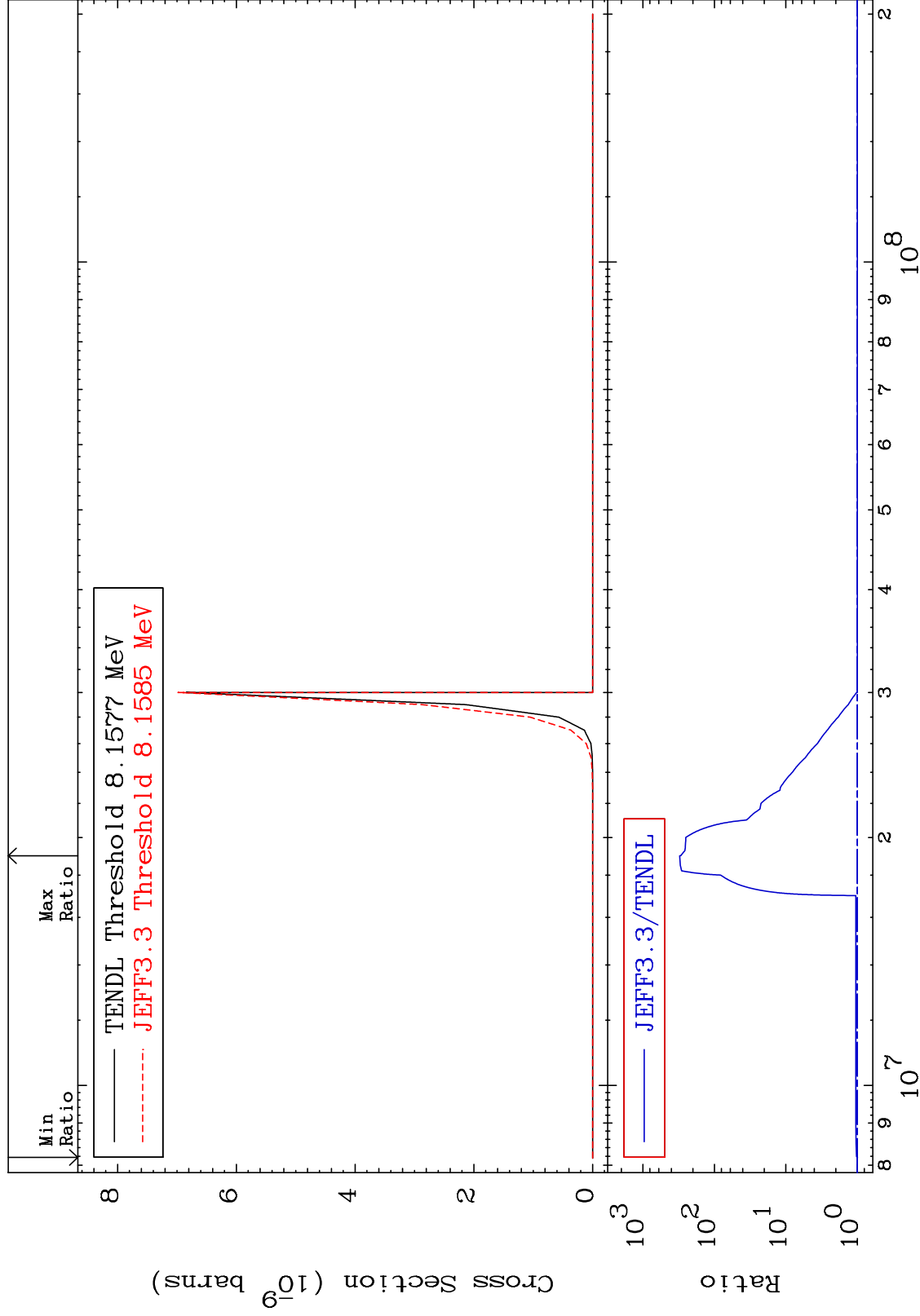
68-Er-168
-1.493 To 0.138 %



MAT 6843

(n,n') p α
Cross Section

68-Er-168
-1.069 To 9999. %

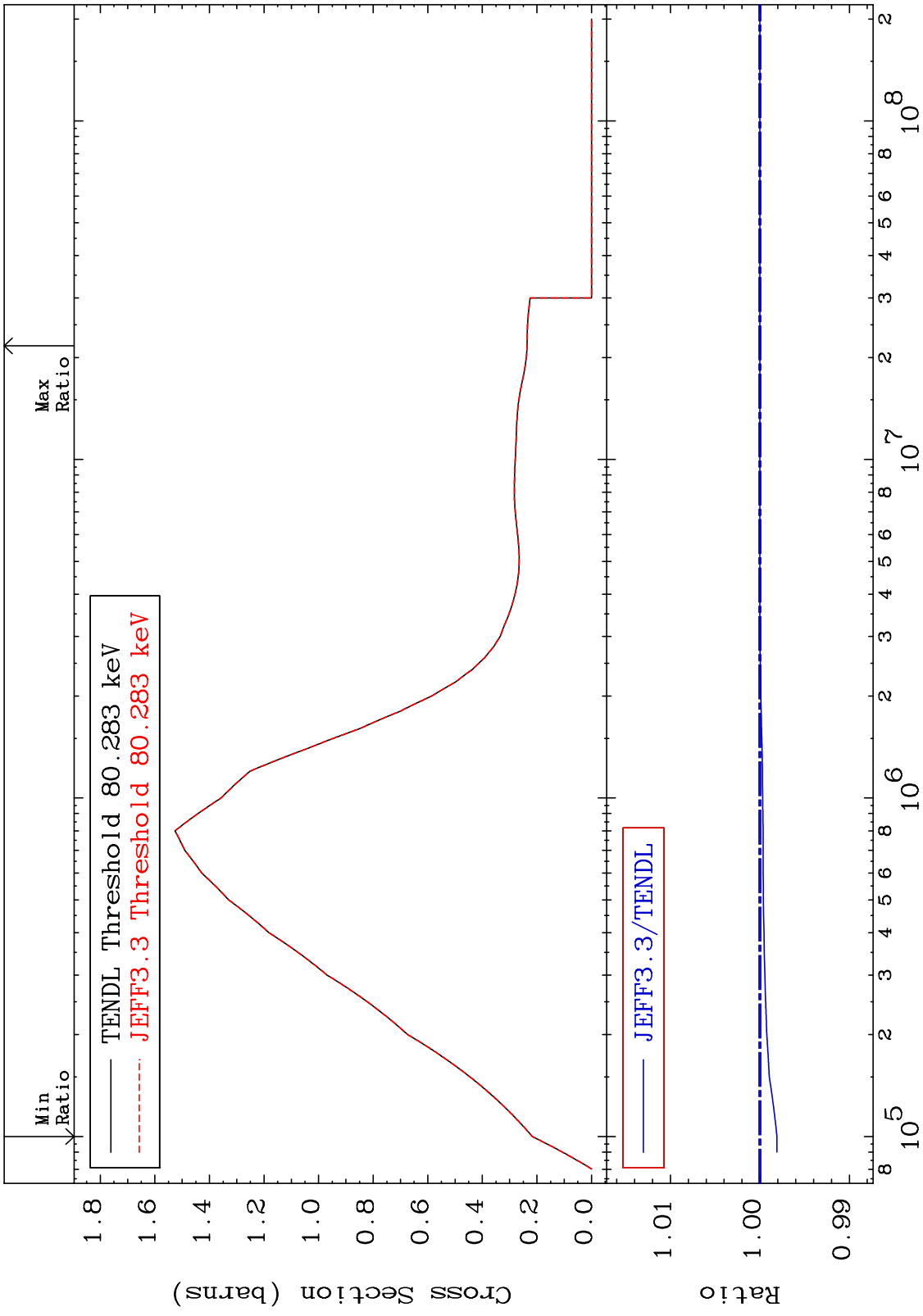


19

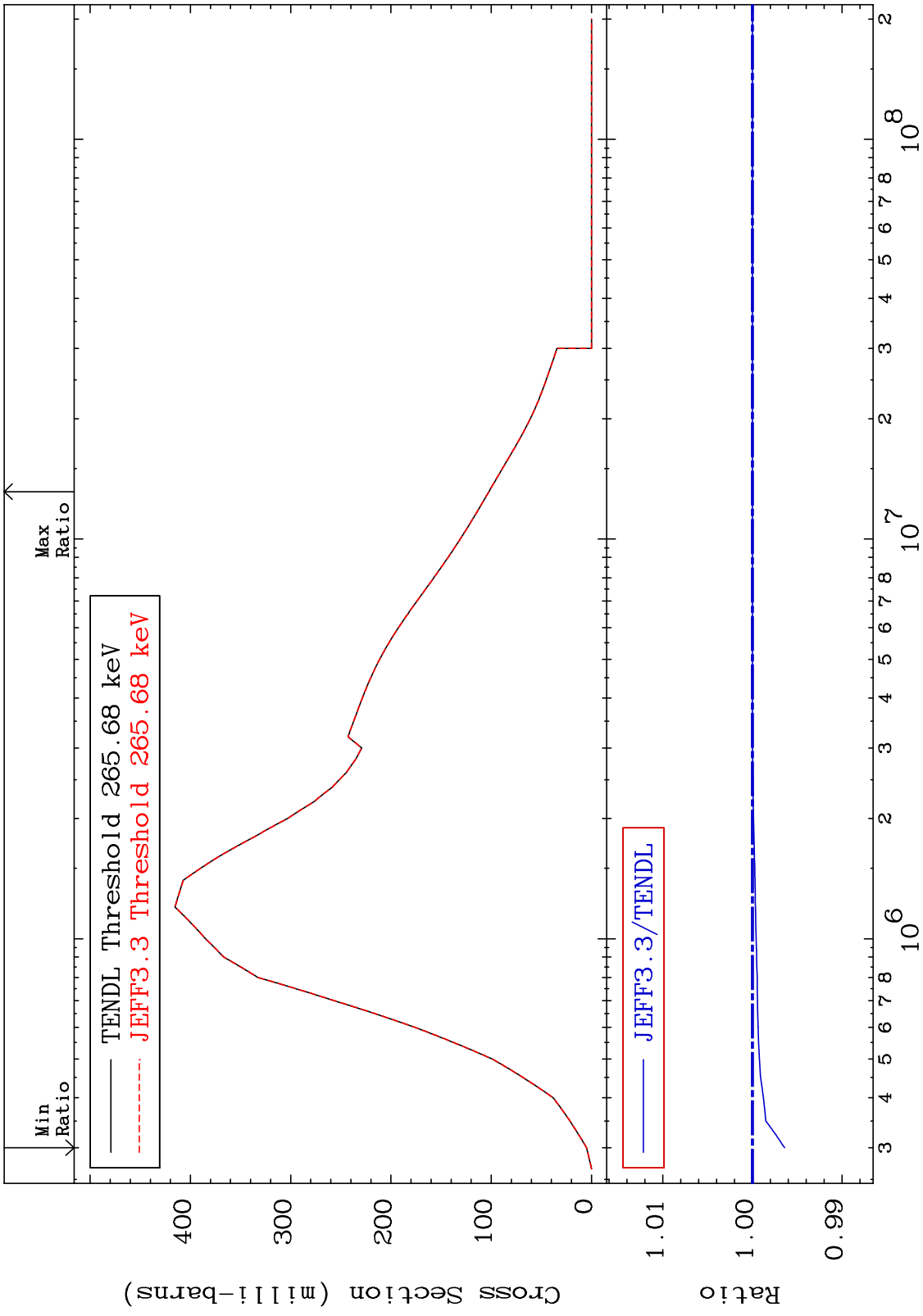
Incident Energy (eV)

68-Er-168

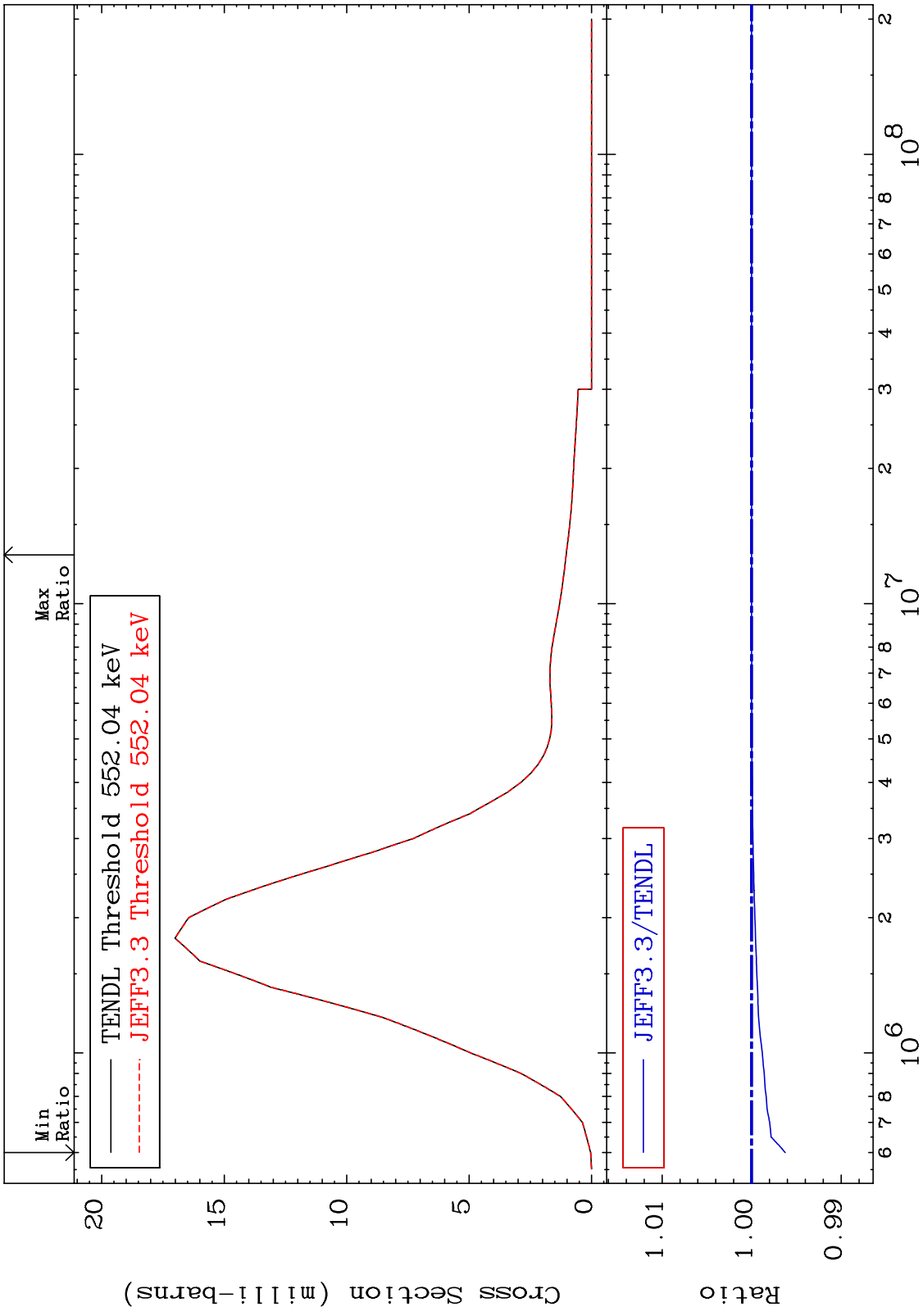
MAT 6843 MT= 51 (n,n') Level Cross Section 68-Er-168
 -0.191 To 0.000 %



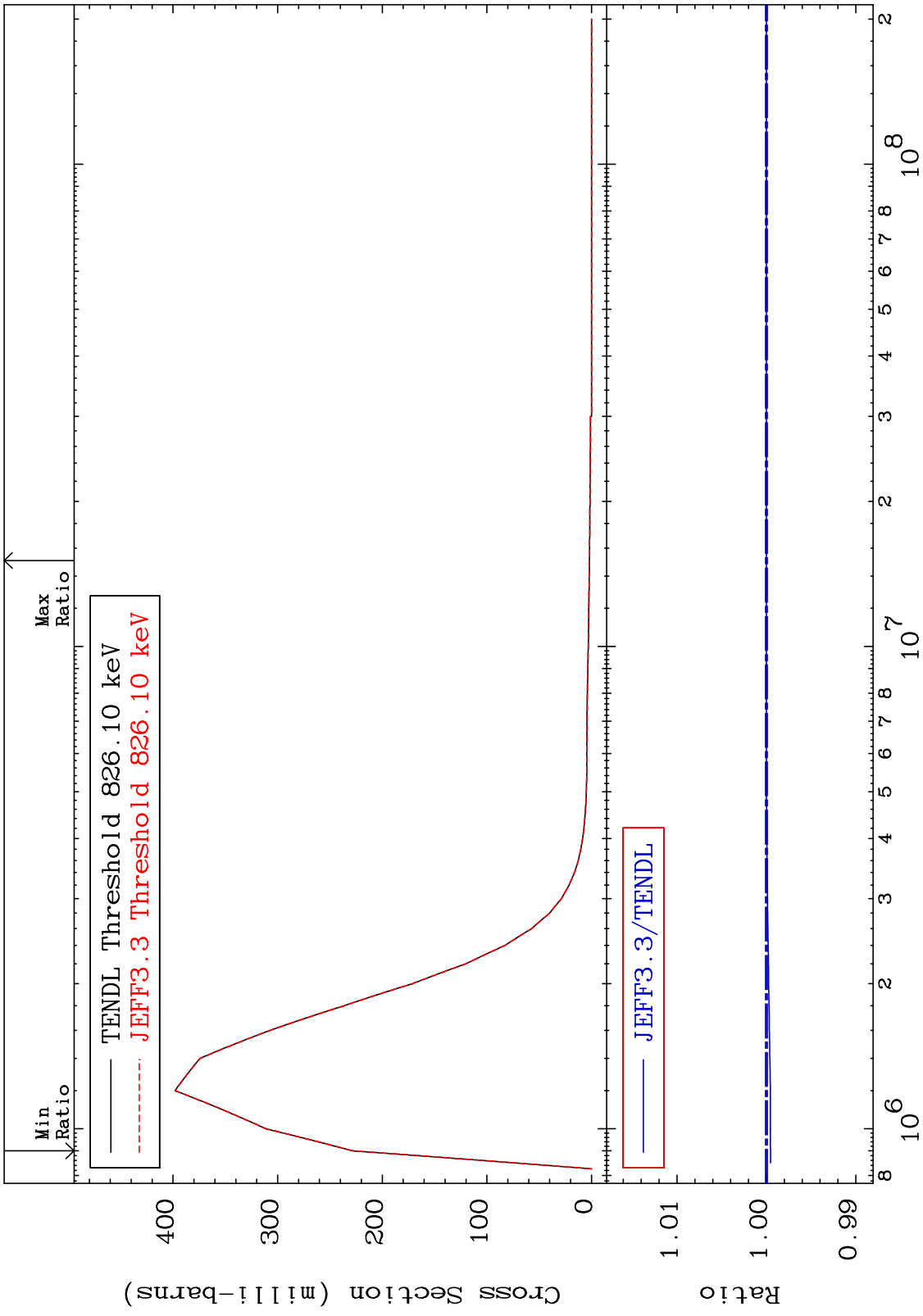
MAT 6843 MT= 52 (n,n') Level Cross Section 68-Er-168
 -0.358 To 0.000 %



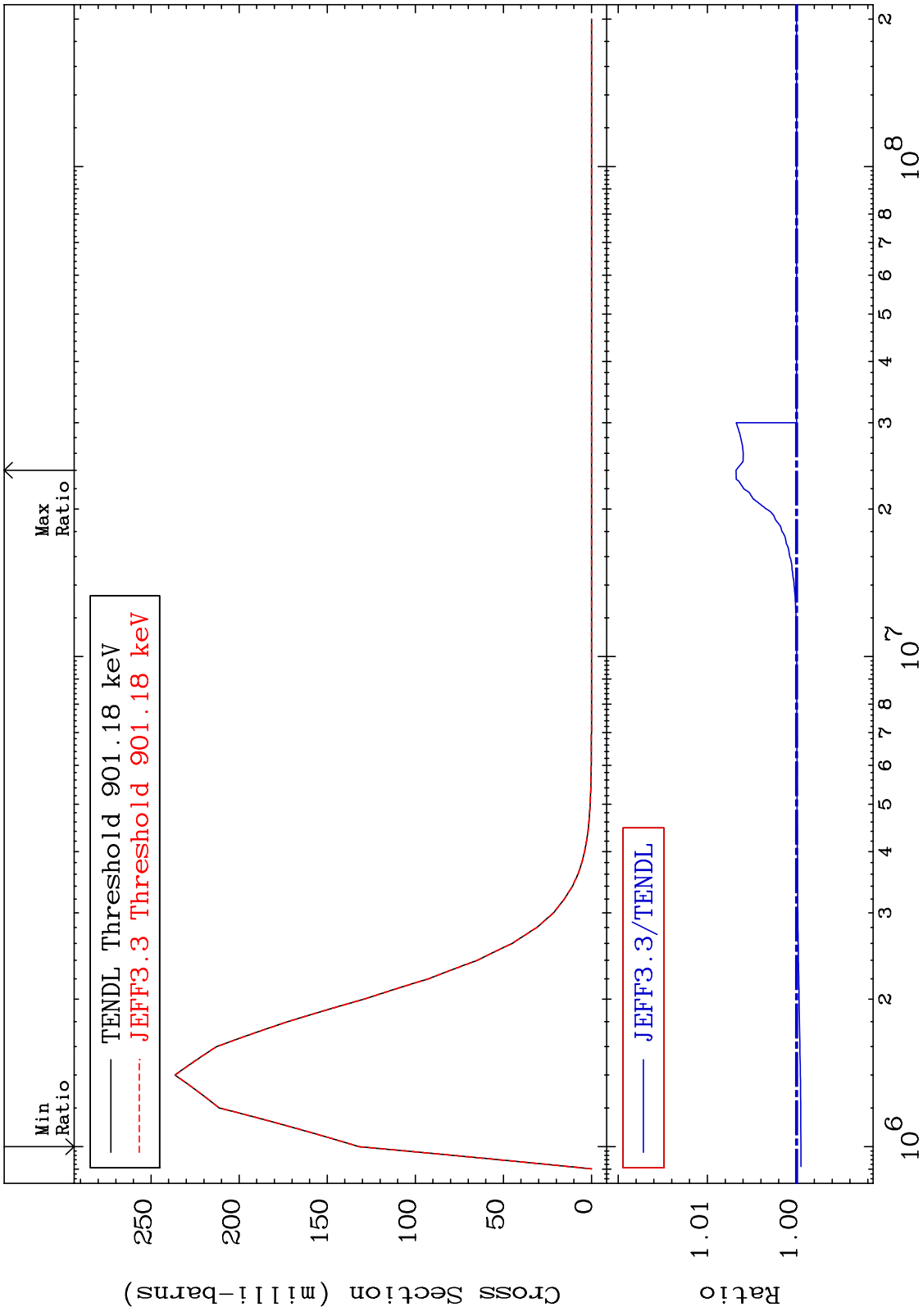
MAT 6843 MT= 53 (n,n') Level 68-Er-168
 Cross Section -0.376 To 0.000 %



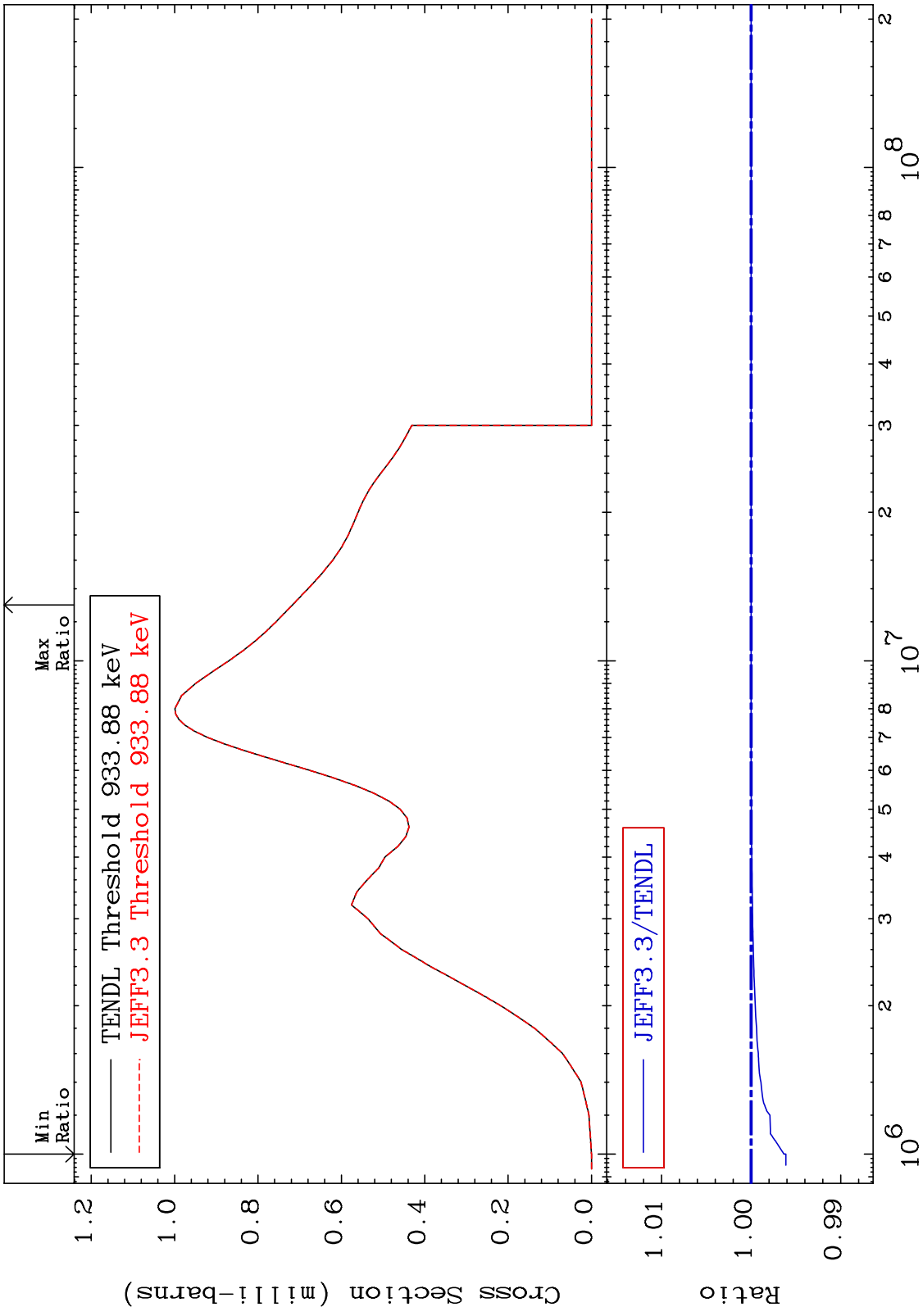
MAT 6843 MT= 54 (n,n') Level Cross Section 68-Er-168 -0.046 To 0.000 %



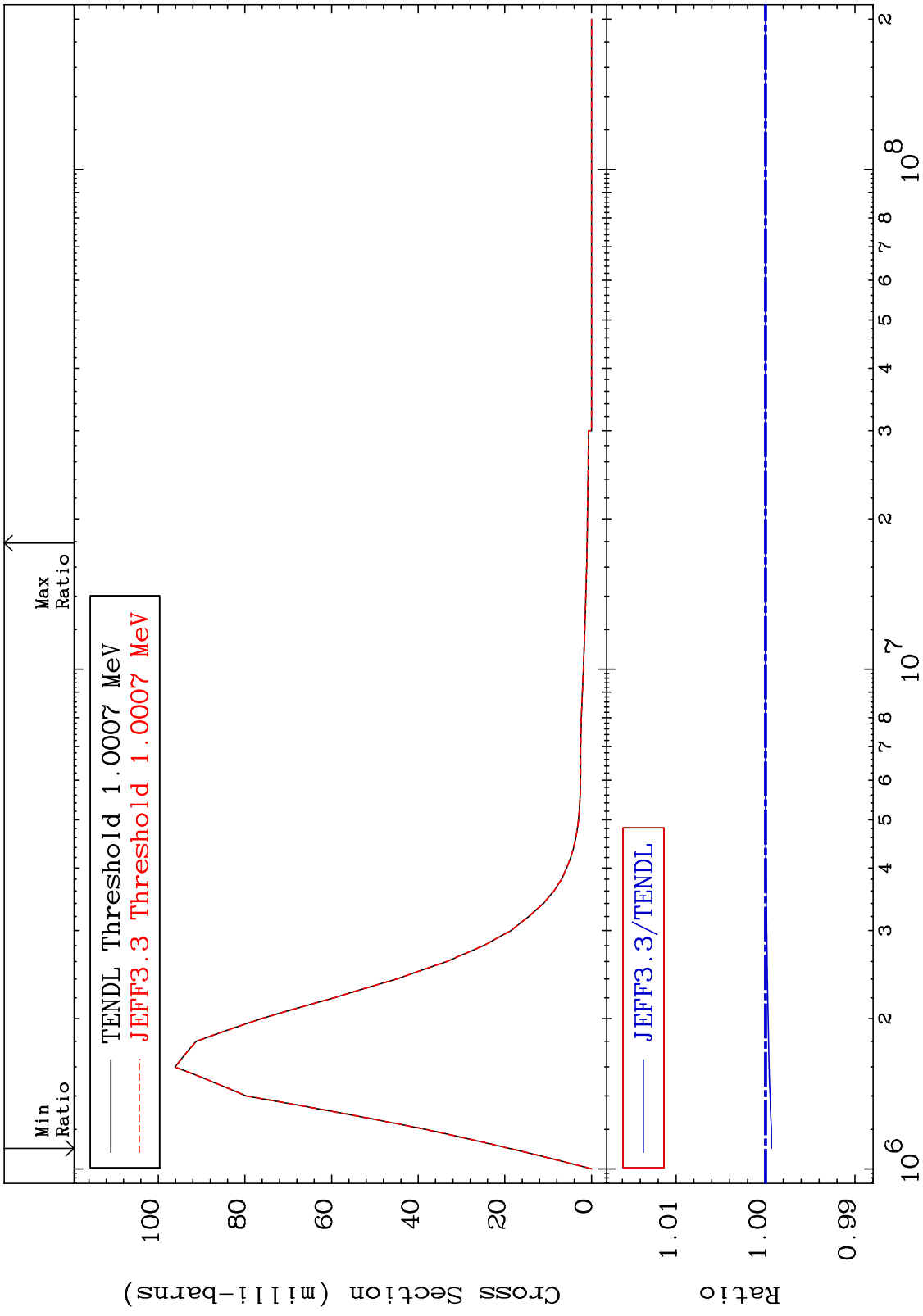
MAT 6843 MT= 55 (n,n') Level Cross Section 68-Er-168
 -0.049 To 0.679 %



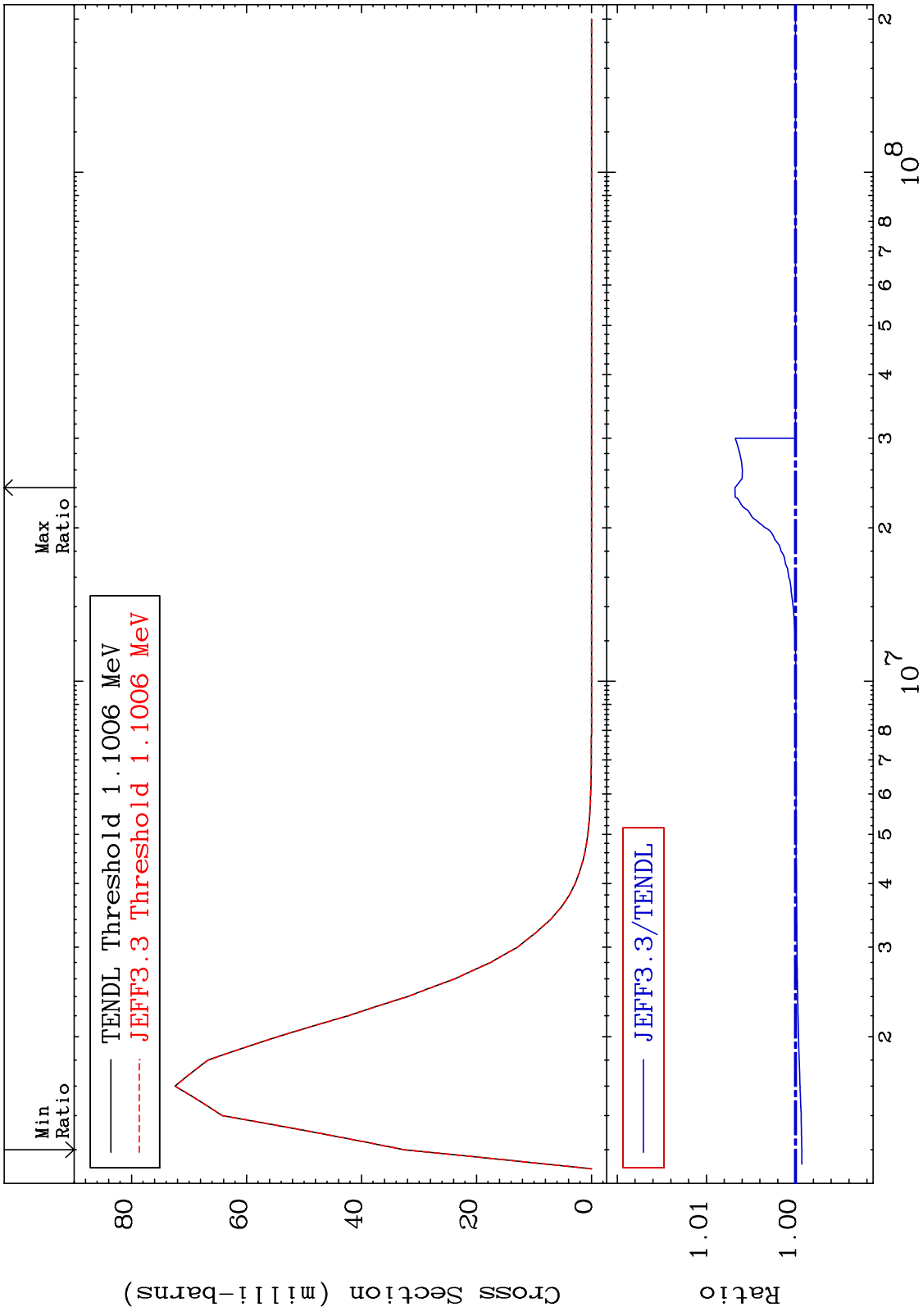
MAT 6843 MT= 56 (n,n') Level Cross Section 68-Er-168 -0.387 To 0.000 %



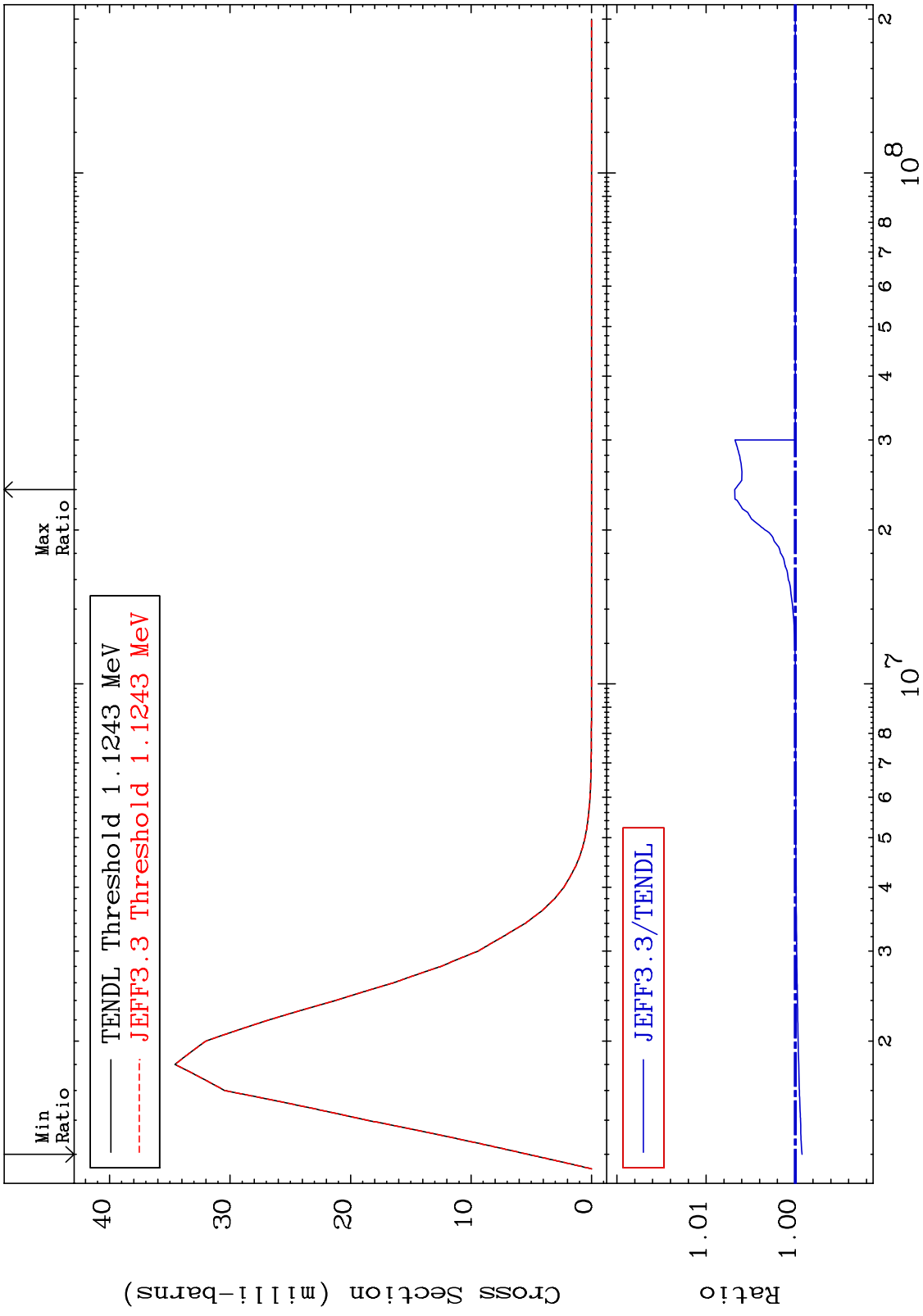
MAT 6843 MT= 57 (n,n') Level 68-Er-168
 Cross Section -0.066 To 0.000 %



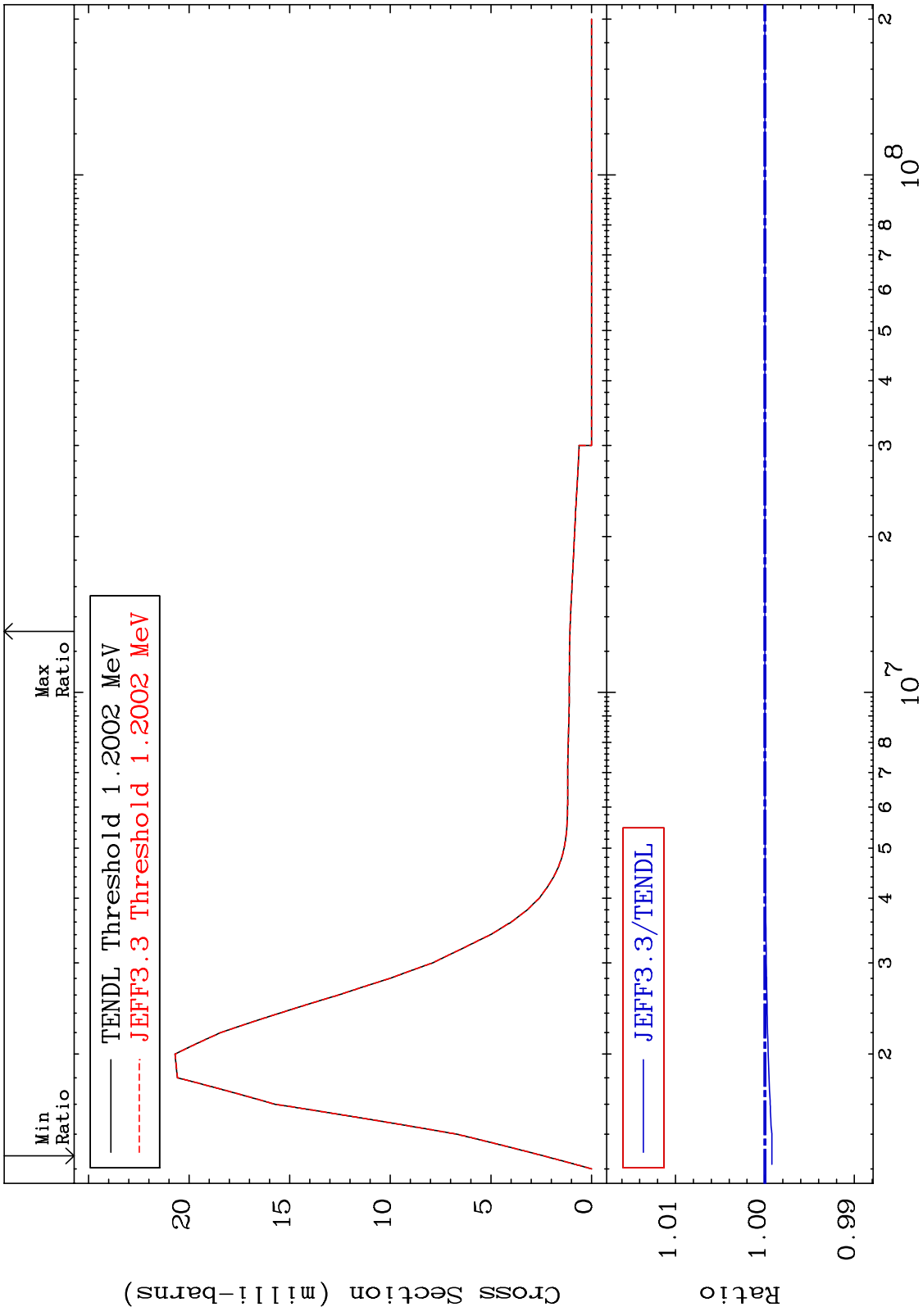
MAT 6843 MT= 58 (n,n') Level Cross Section 68-Er-168 -0.070 To 0.679 %



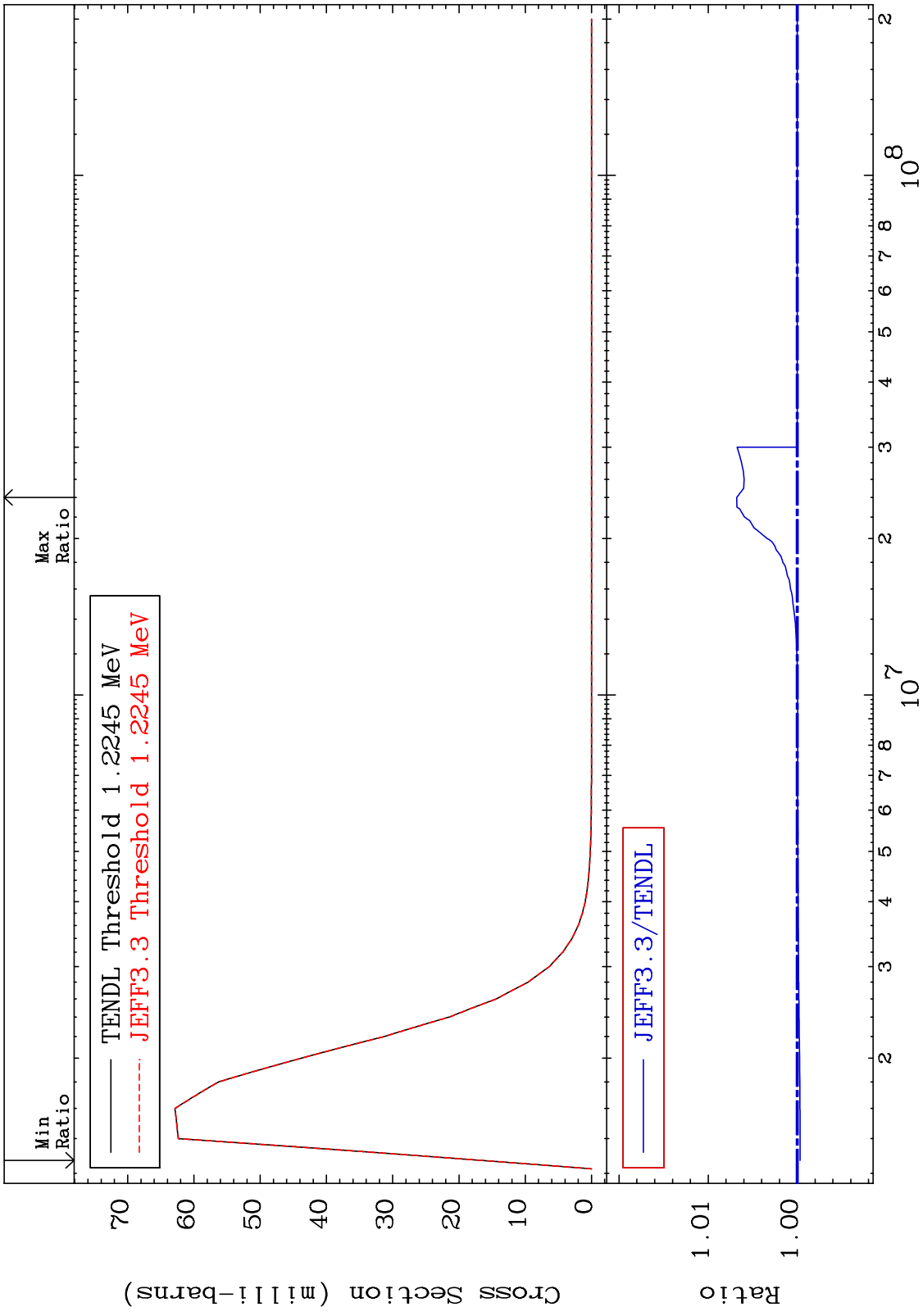
MAT 6843 MT= 59 (n,n') Level Cross Section 68-Er-168 -0.078 To 0.679 %



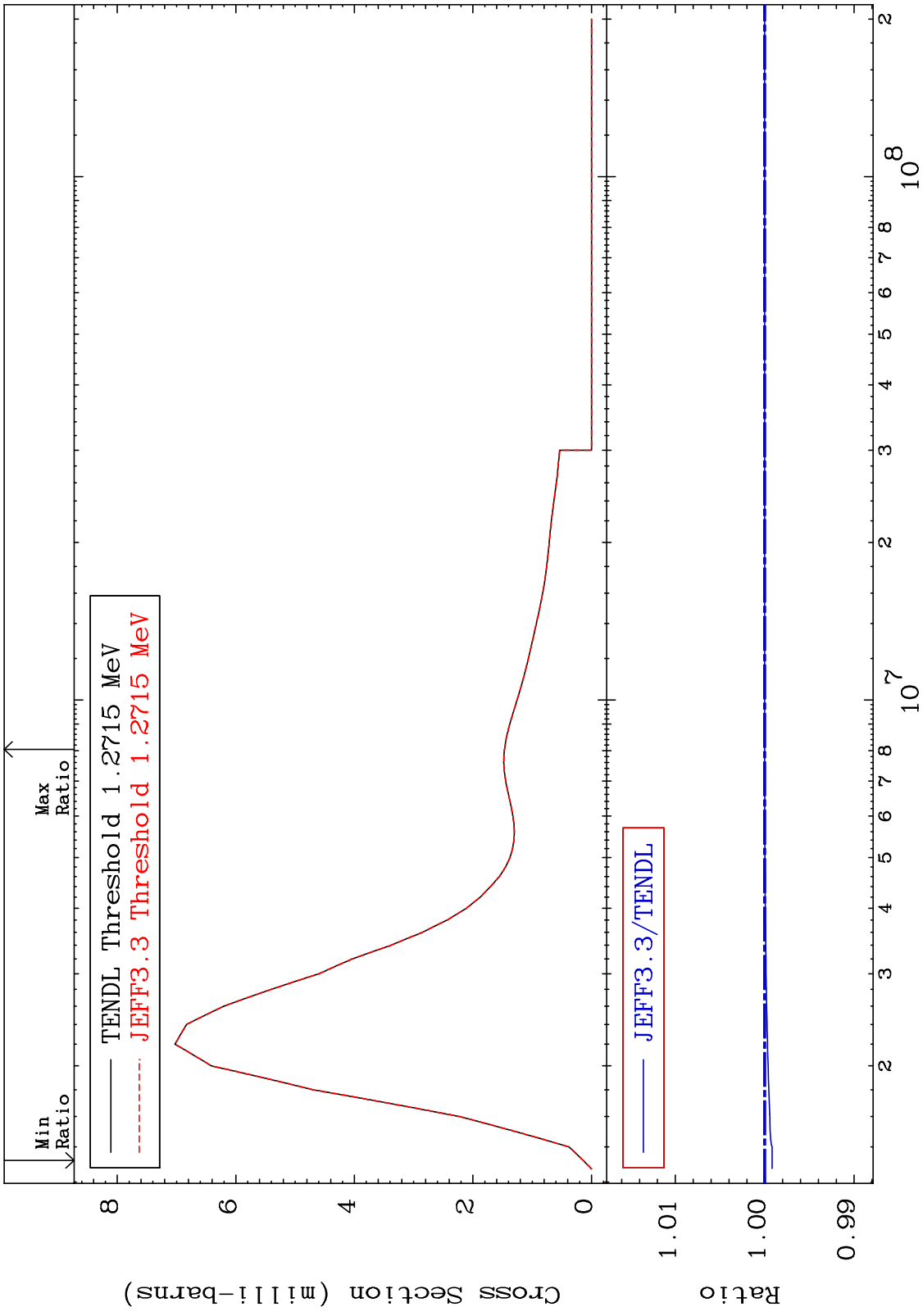
MAT 6843 MT= 60 (n,n') Level Cross Section 68-Er-168 -0.078 To 0.000 %



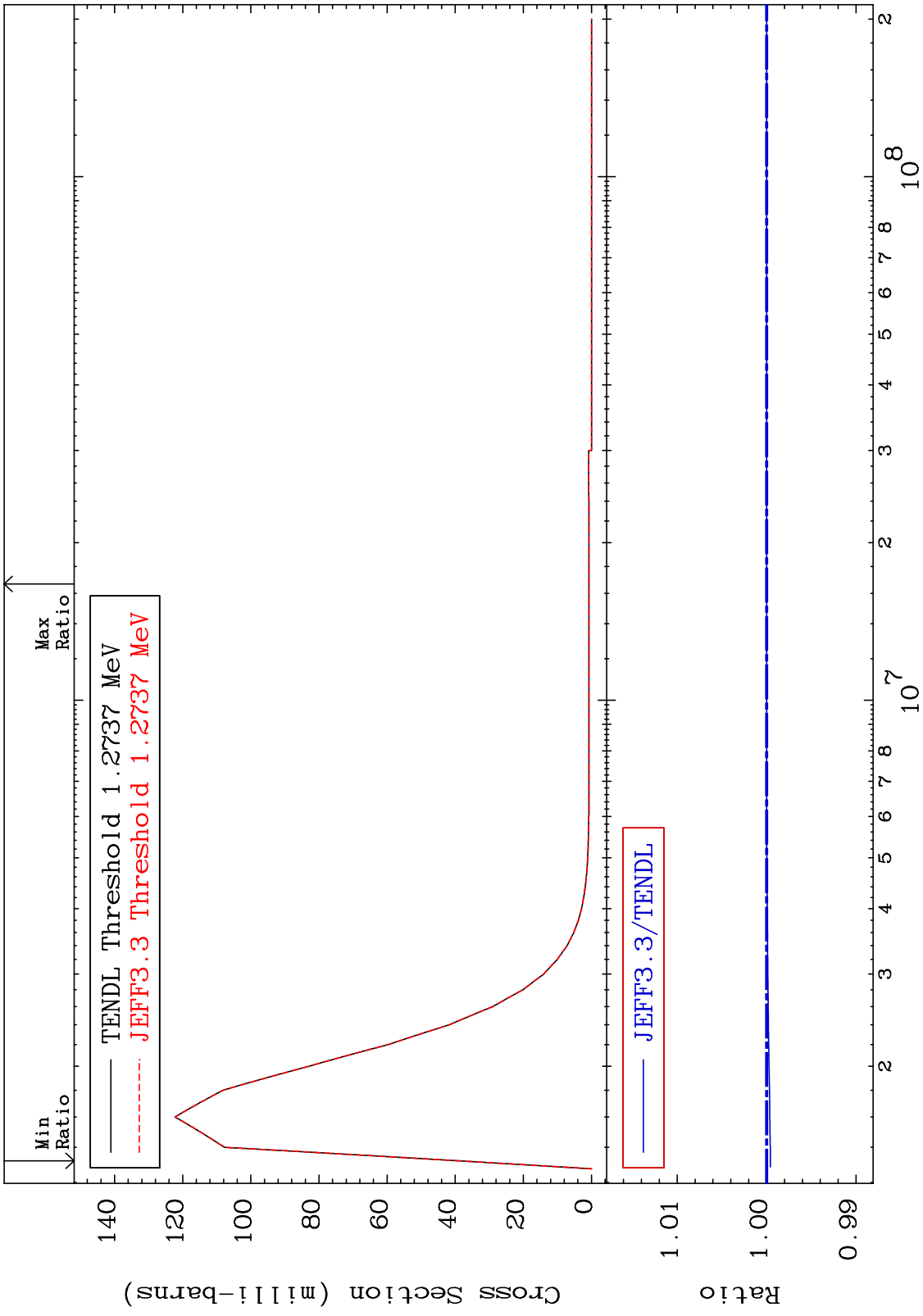
MAT 6843 MT= 61 (n,n') Level 68-Er-168
 Cross Section -0.032 To 0.680 %



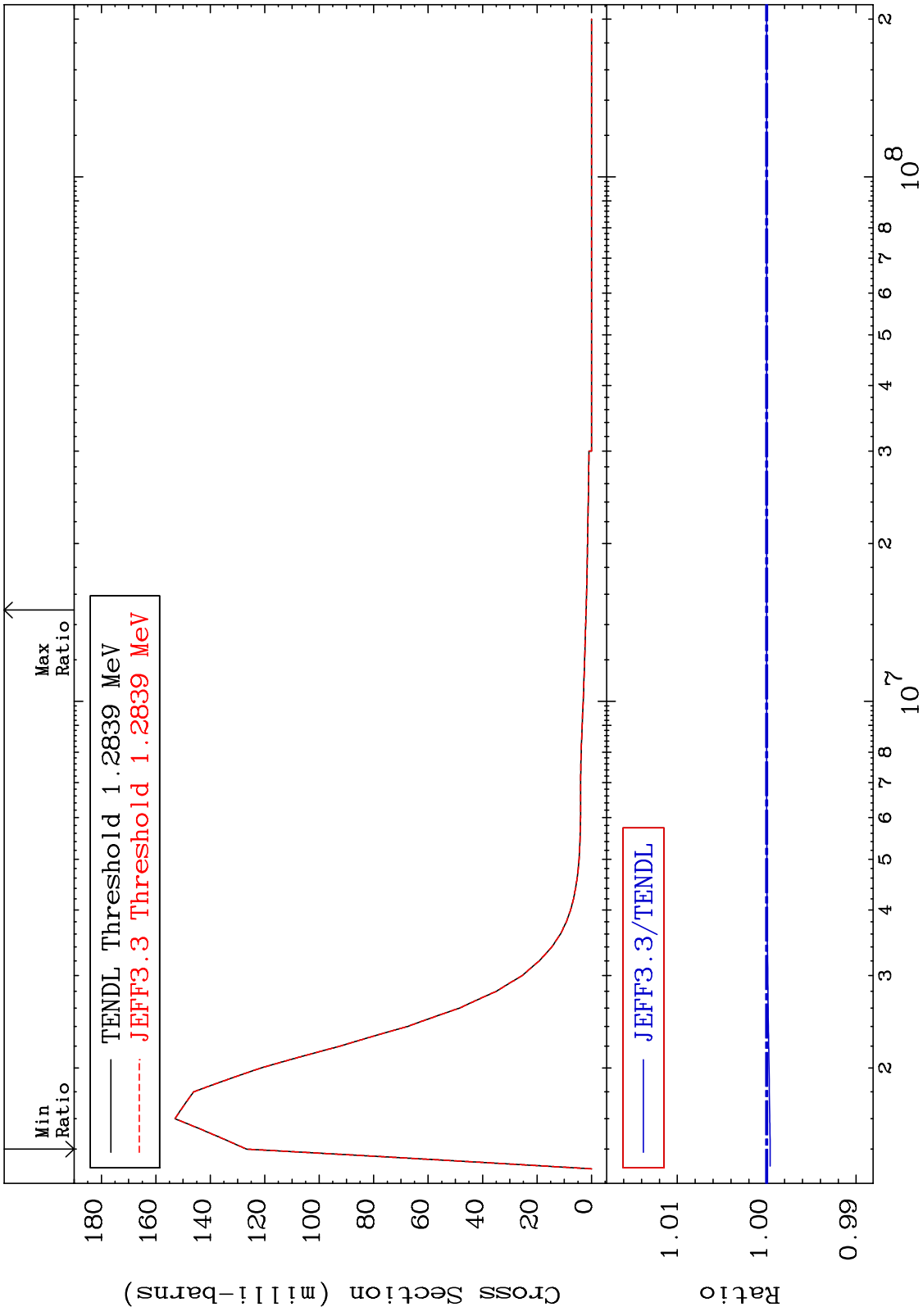
MAT 6843 MT= 62 (n,n') Level Cross Section 68-Er-168
 -0.083 To 0.000 %



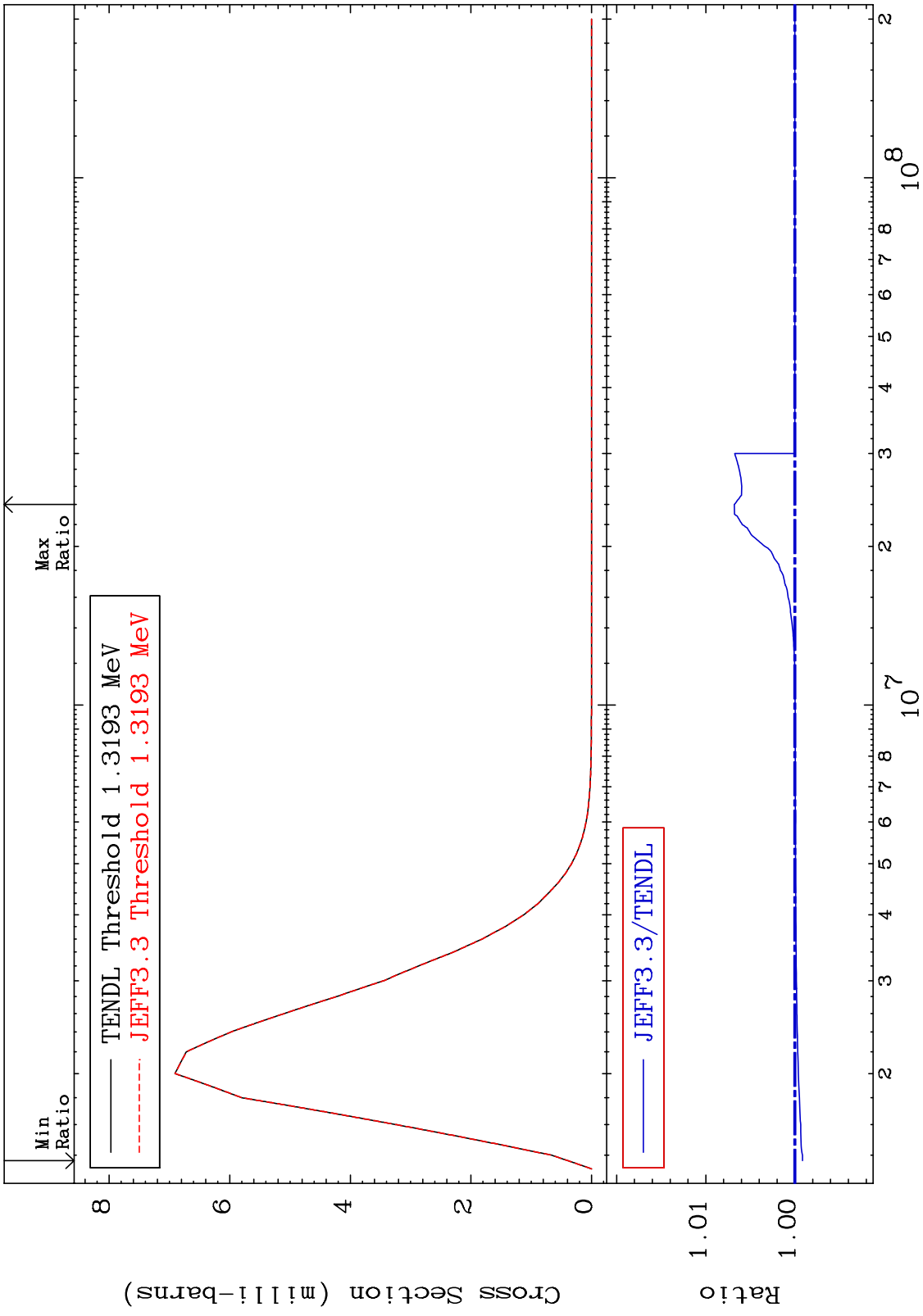
MAT 6843 MT= 63 (n,n') Level Cross Section 68-Er-168
 -0.041 To 0.000 %



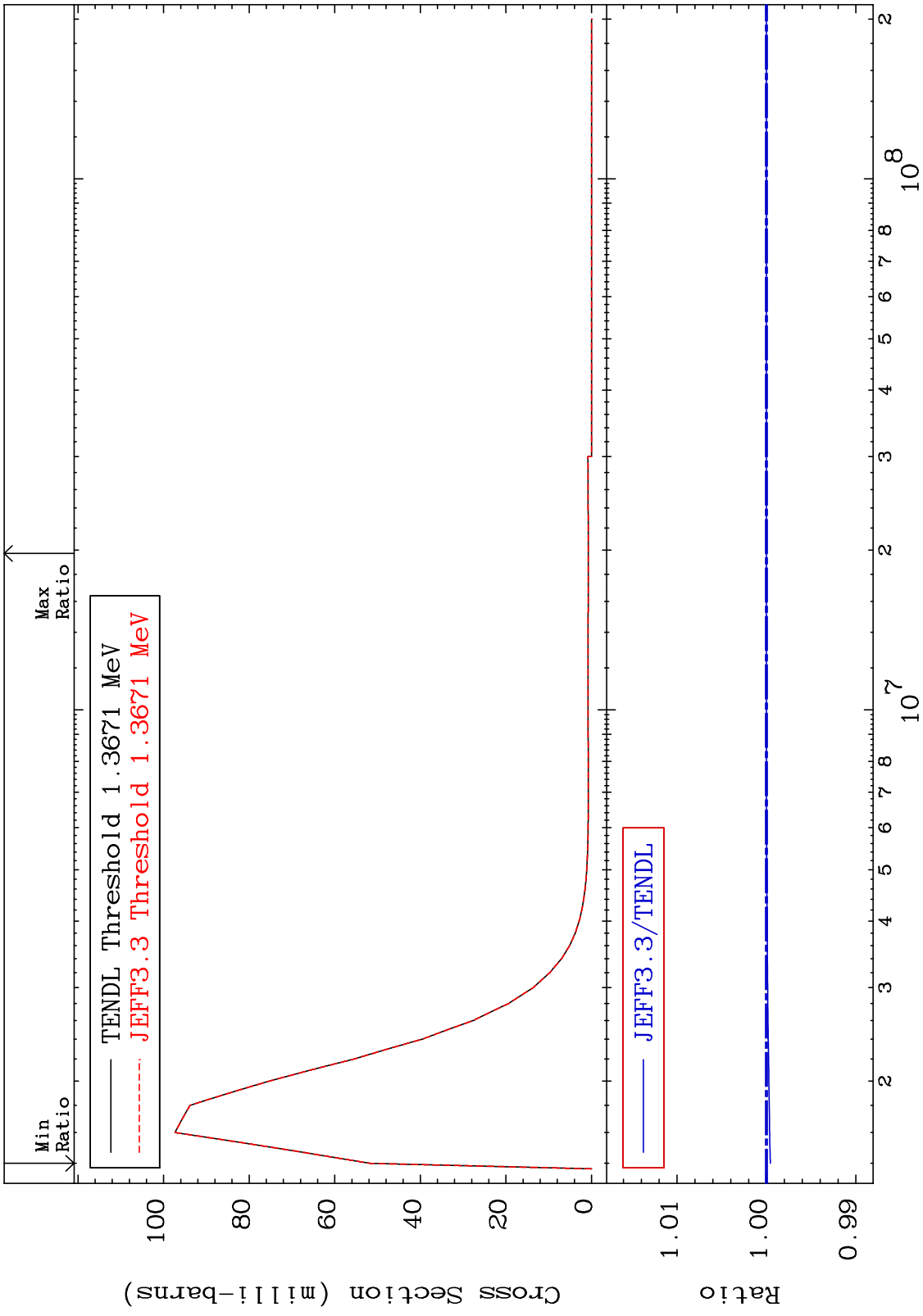
MAT 6843 MT= 64 (n,n') Level Cross Section 68-Er-168
 -0.039 To 0.000 %



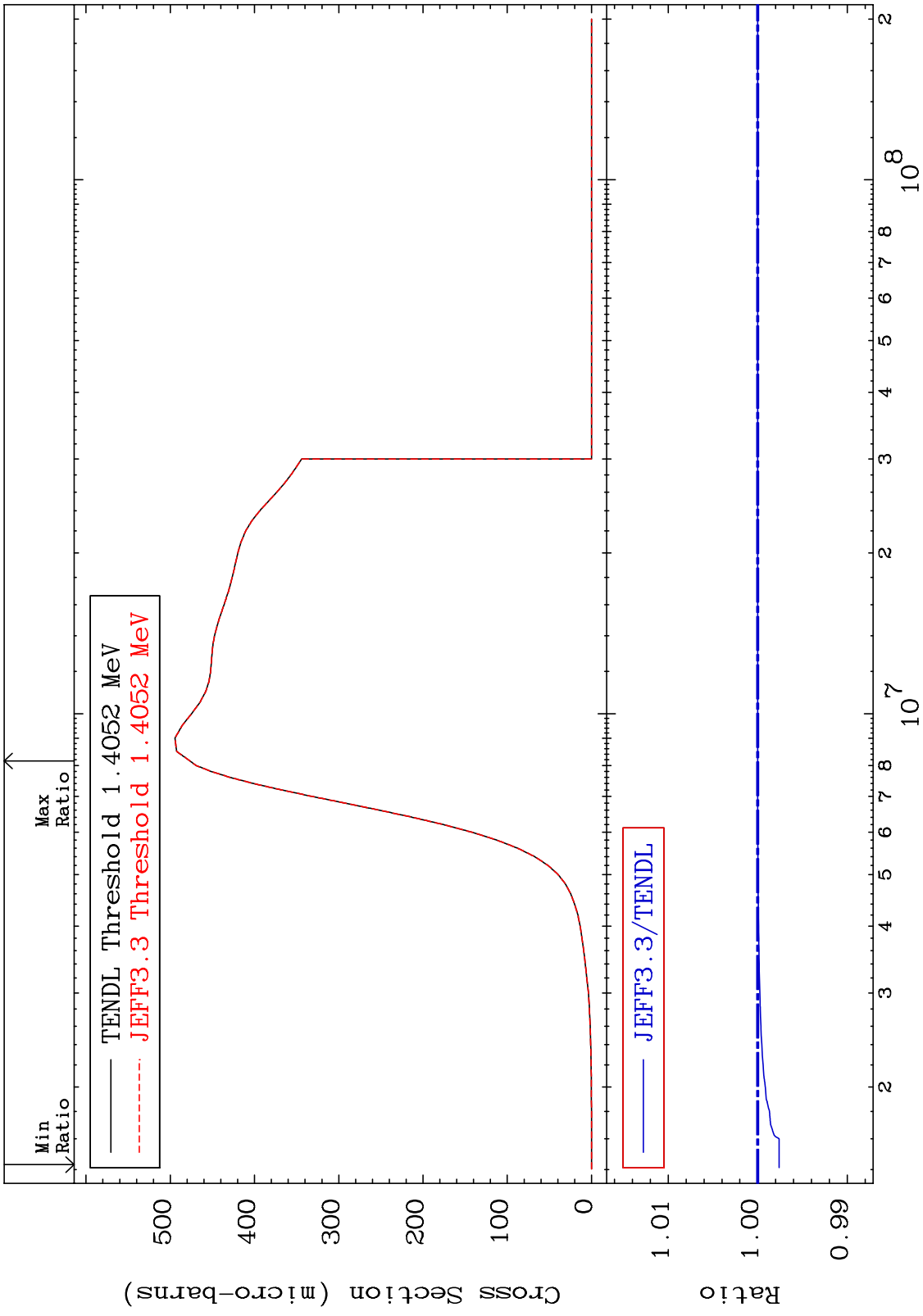
MAT 6843 MT= 65 (n,n') Level Cross Section 68-Er-168
 -0.085 To 0.679 %



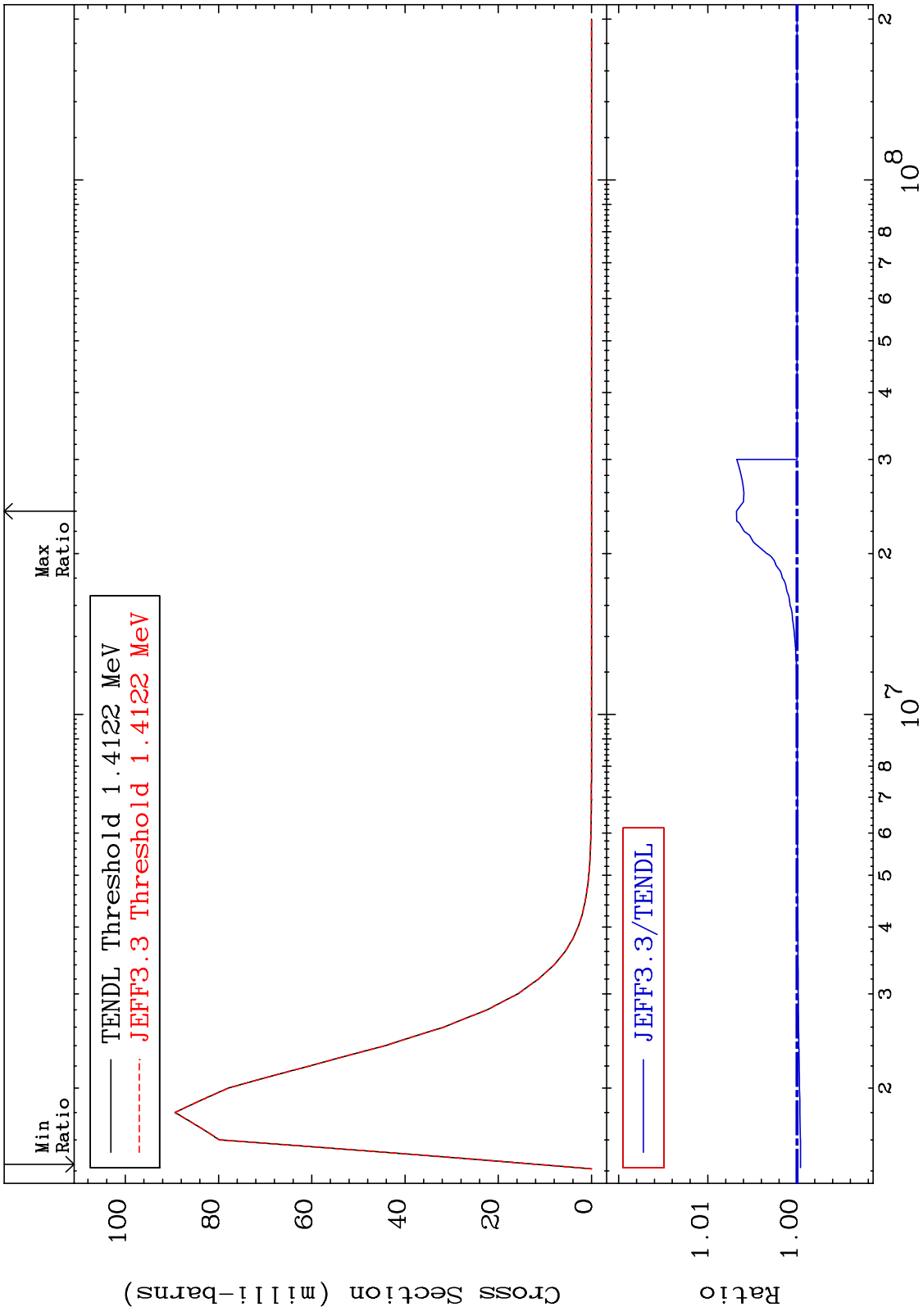
MAT 6843 MT= 66 (n,n') Level Cross Section 68-Er-168
 -0.044 To 0.000 %



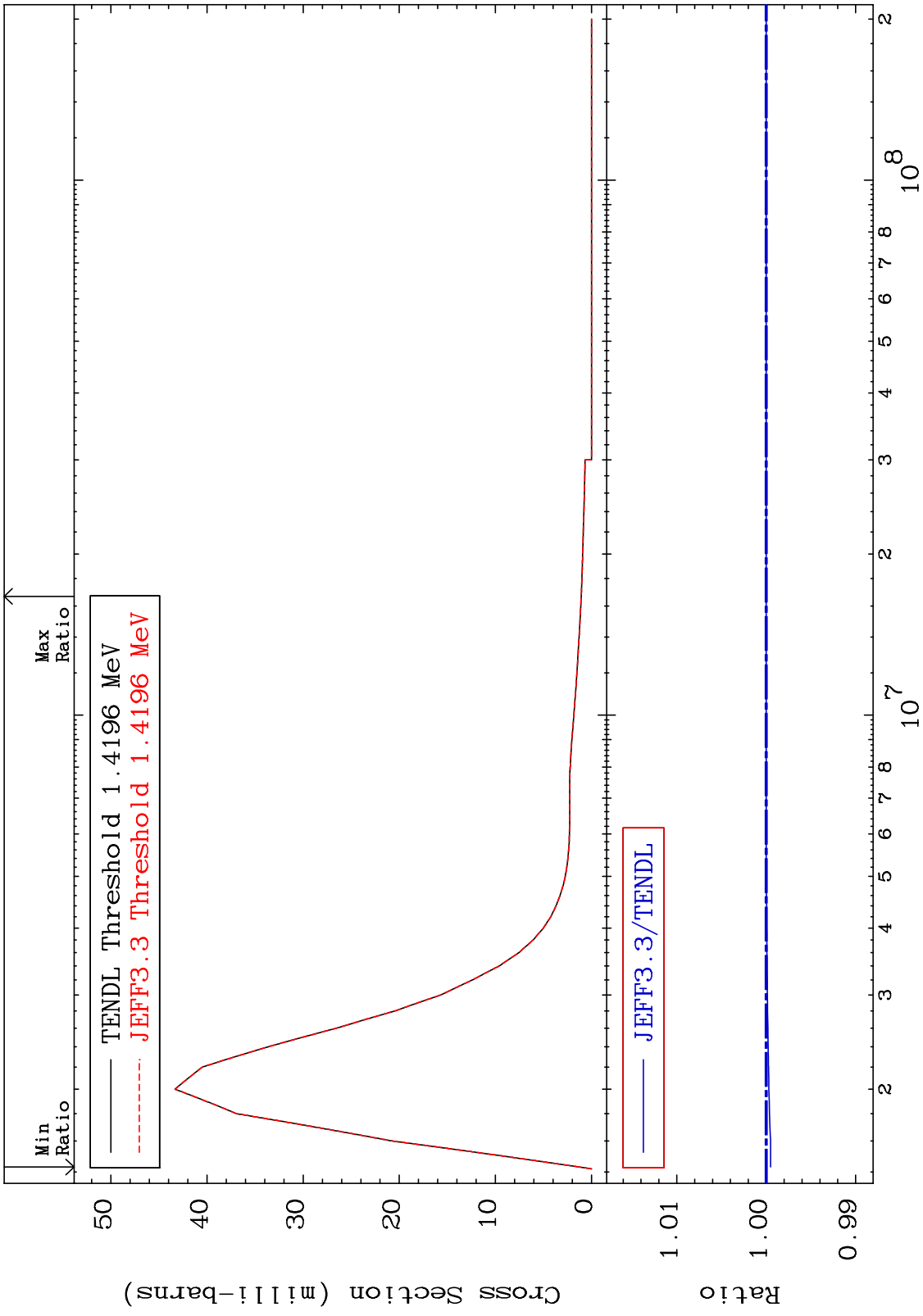
MAT 6843 MT= 67 (n,n') Level Cross Section 68-Er-168 -0.239 To 0.000 %



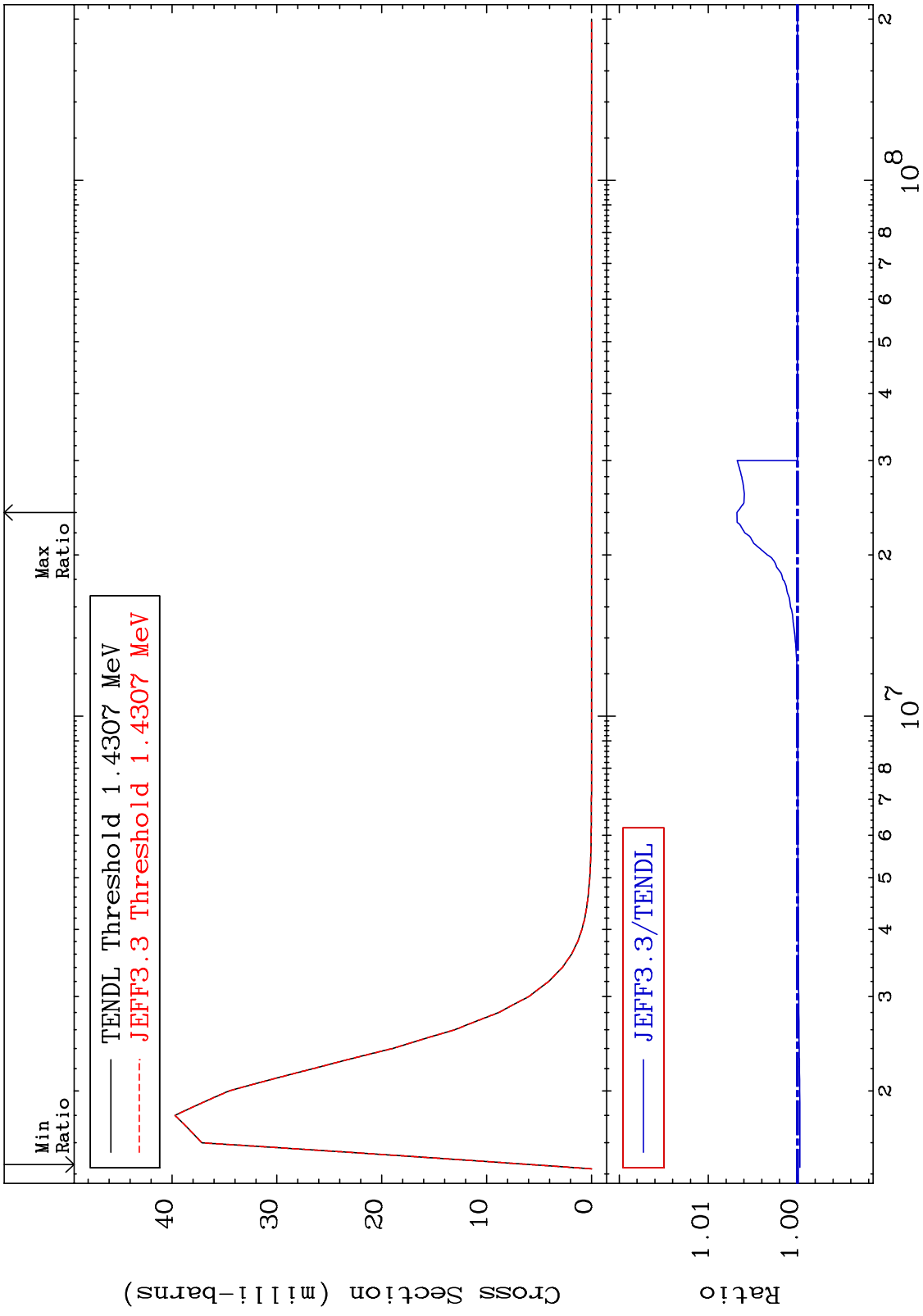
MAT 6843 MT= 68 (n,n') Level Cross Section 68-Er-168 -0.039 To 0.679 %



MAT 6843 MT= 69 (n,n') Level Cross Section 68-Er-168 -0.050 To 0.000 %



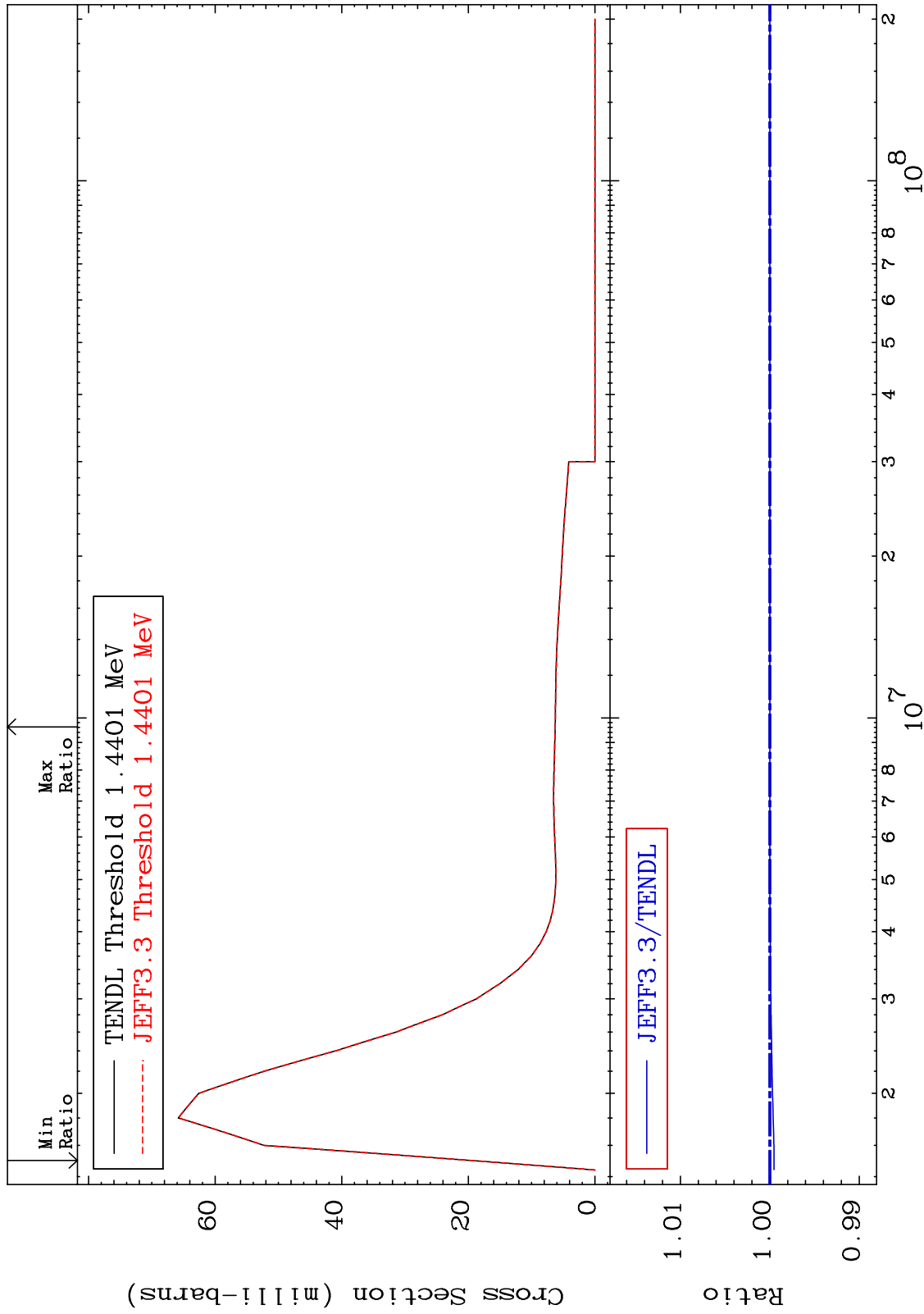
MAT 6843 MT= 70 (n,n') Level 68-Er-168
 Cross Section -0.028 To 0.679 %



MAT 6843

MT= 71 (n,n') Level
Cross Section

68-Er-168
-0.046 To 0.000 %

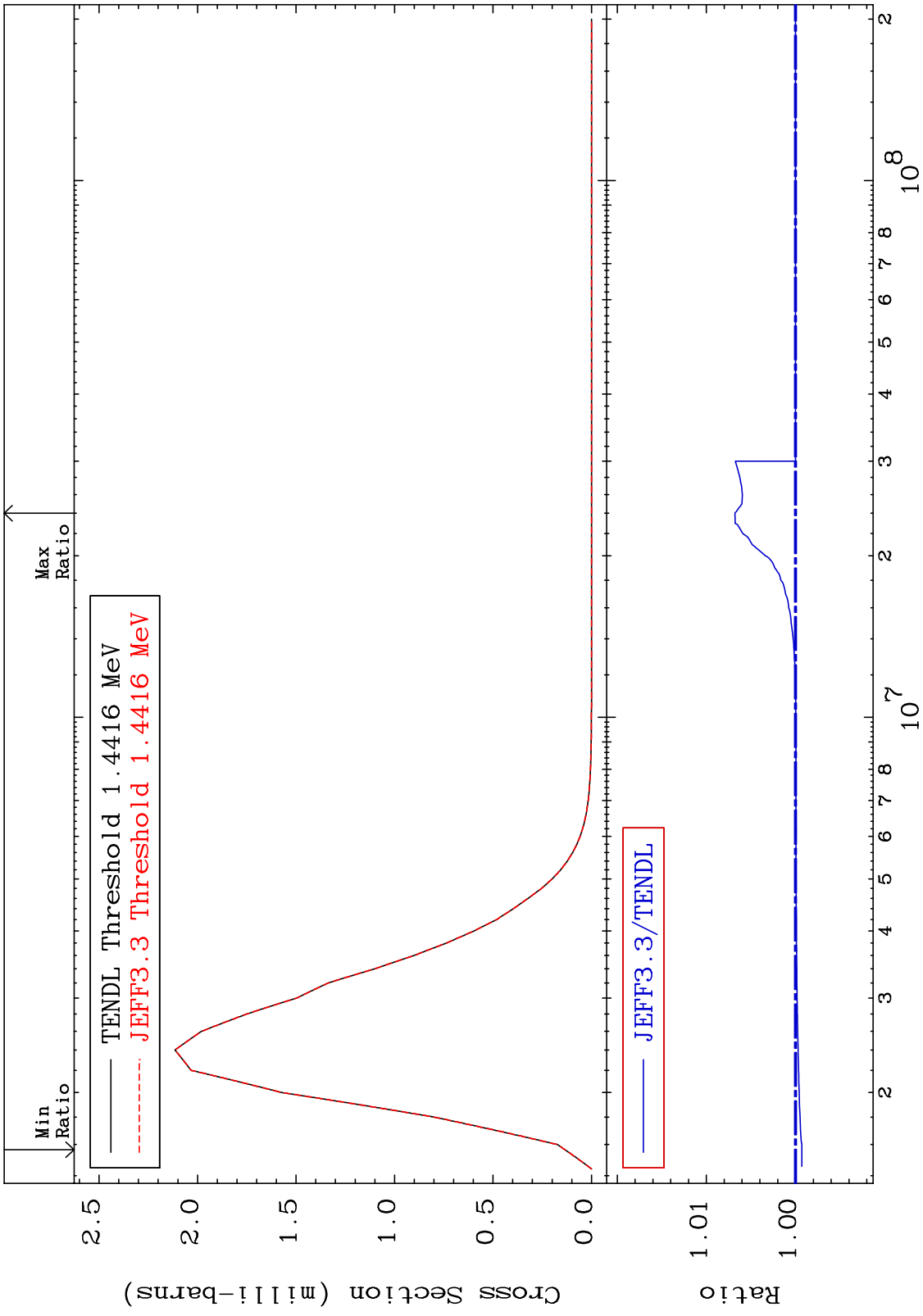


40

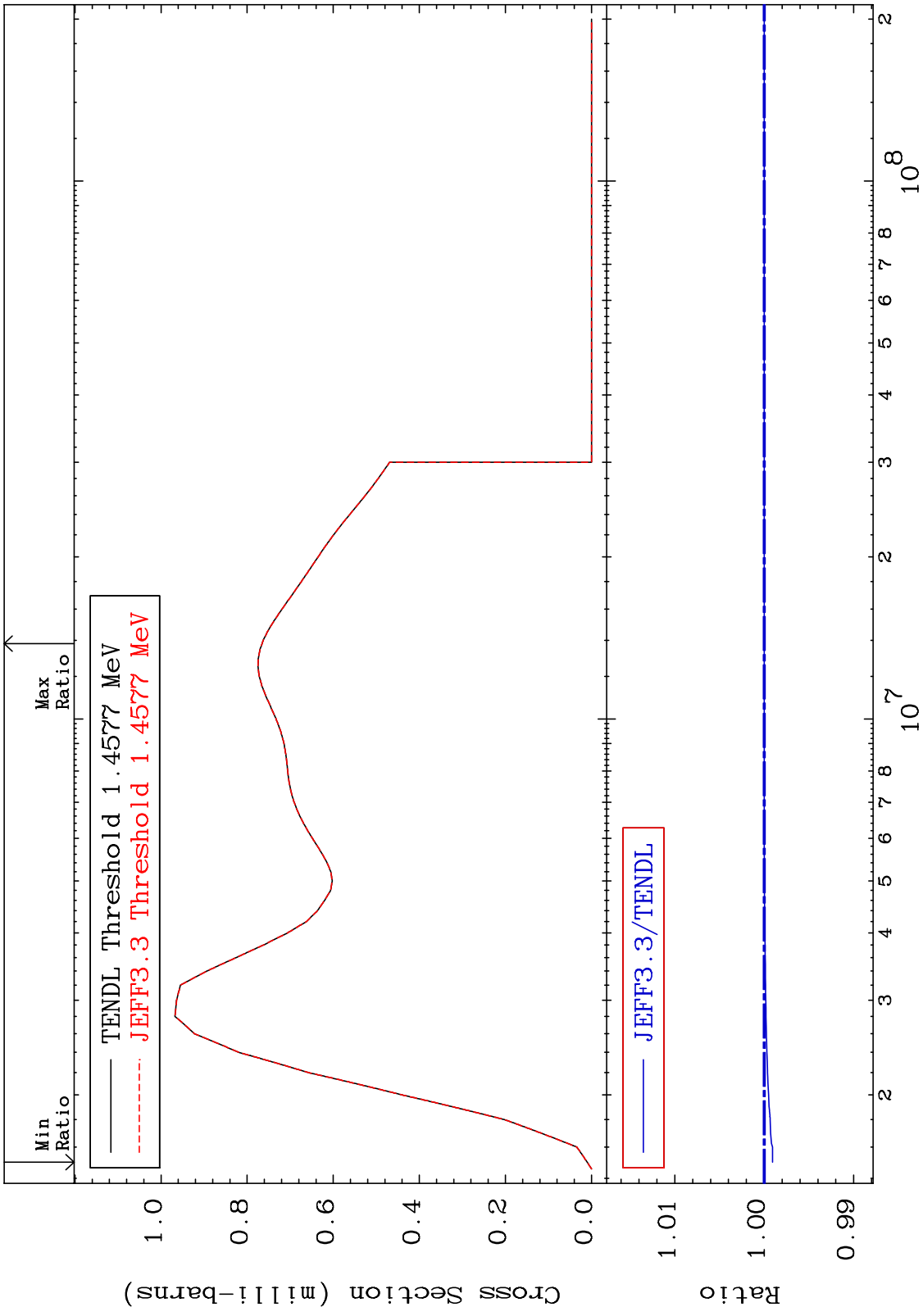
Incident Energy (eV)

68-Er-168

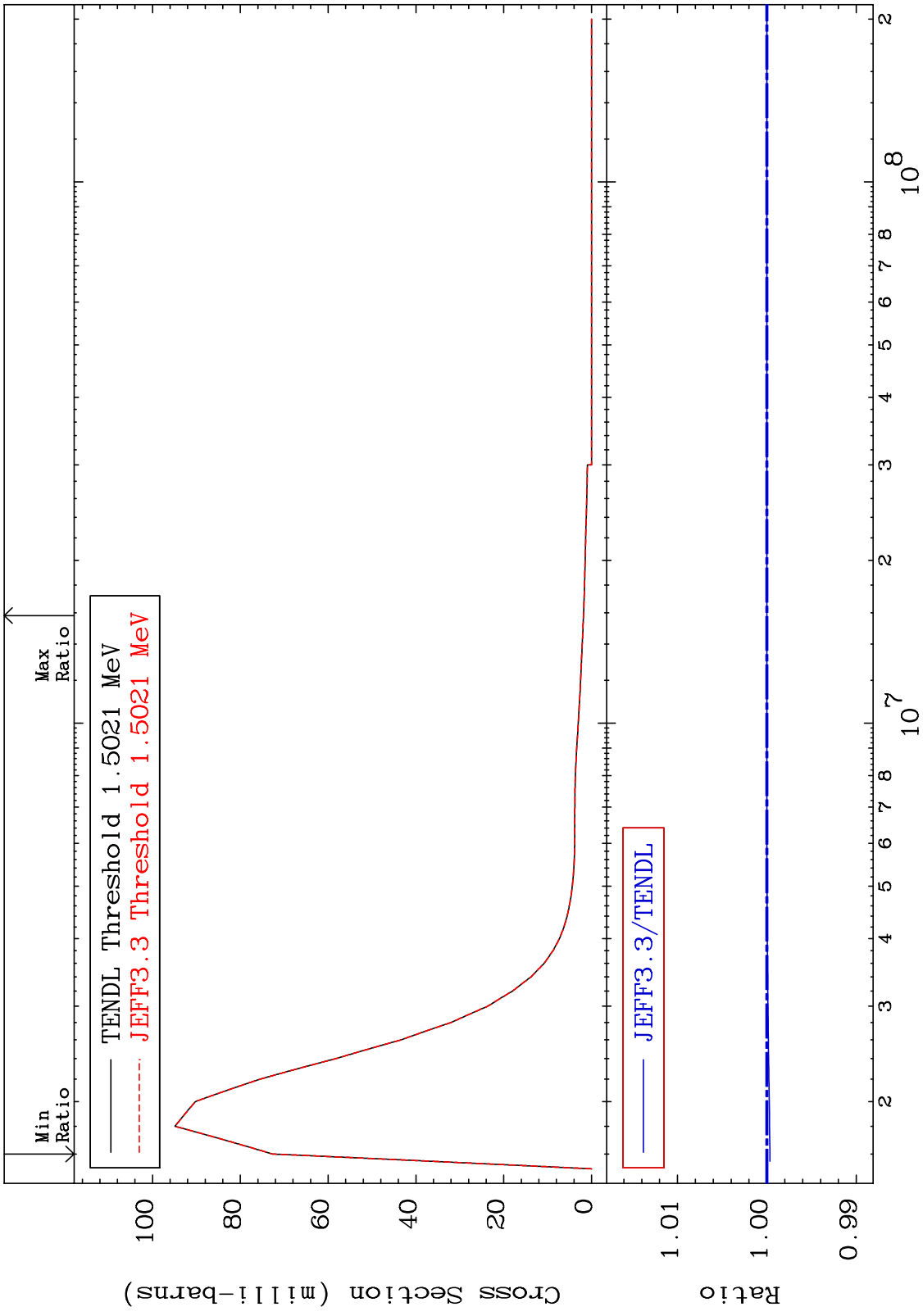
MAT 6843 MT= 72 (n,n') Level Cross Section 68-Er-168 -0.071 To 0.679 %



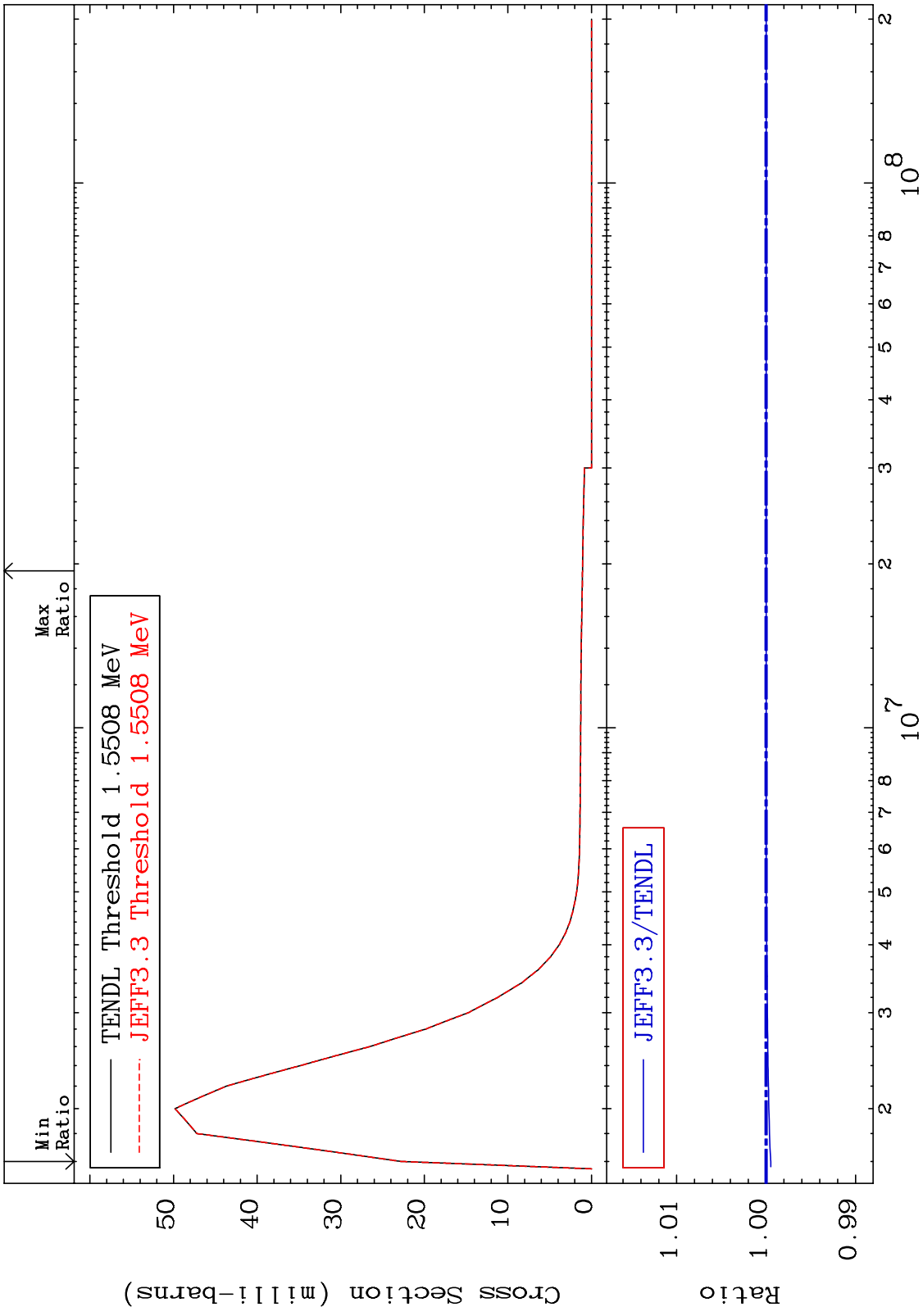
MAT 6843 MT= 73 (n,n') Level Cross Section 68-Er-168 -0.094 To 0.000 %



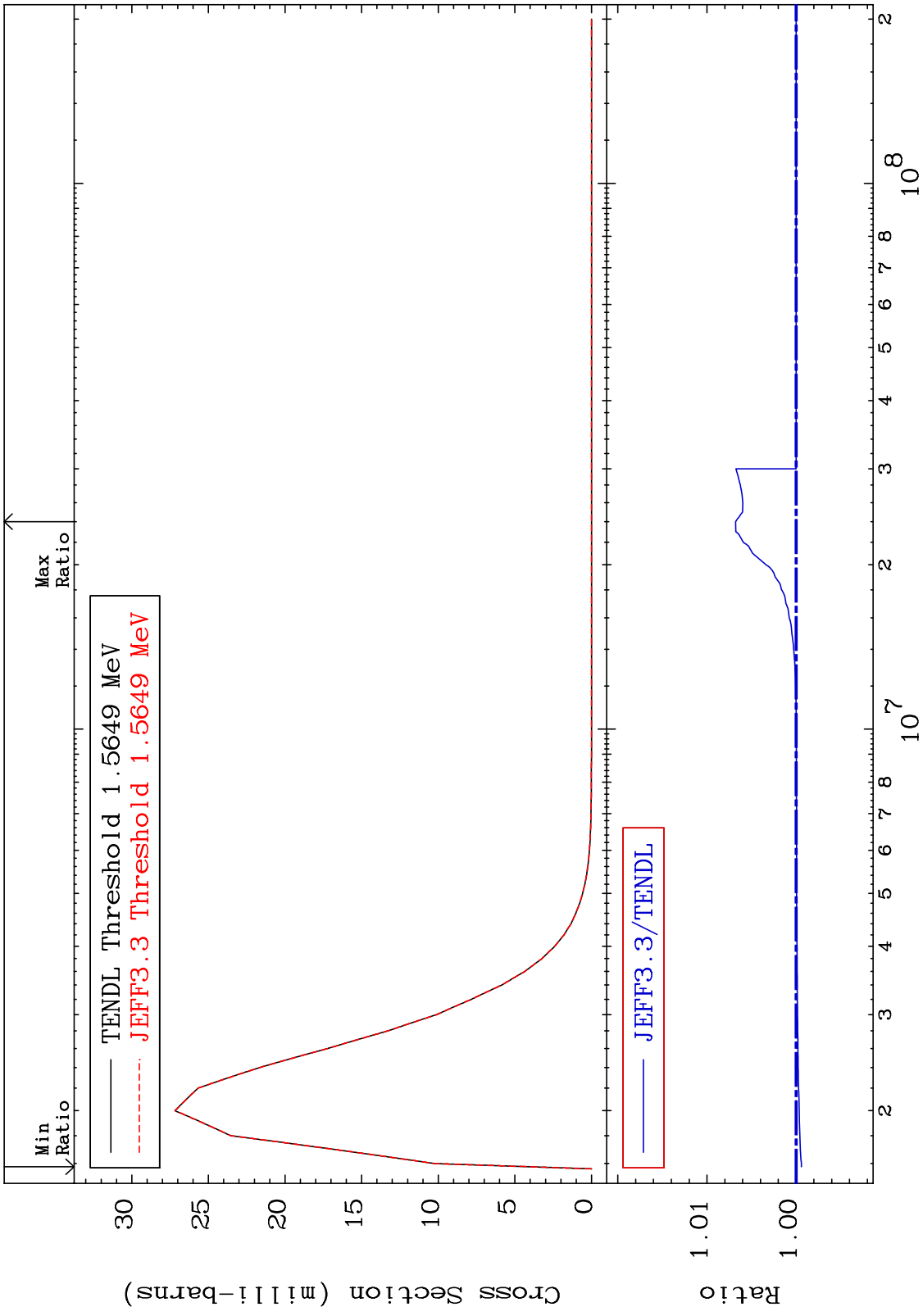
MAT 6843 MT= 74 (n,n') Level Cross Section 68-Er-168
 -0.034 To 0.000 %



MAT 6843 MT= 75 (n,n') Level Cross Section 68-Er-168
 -0.053 To 0.000 %



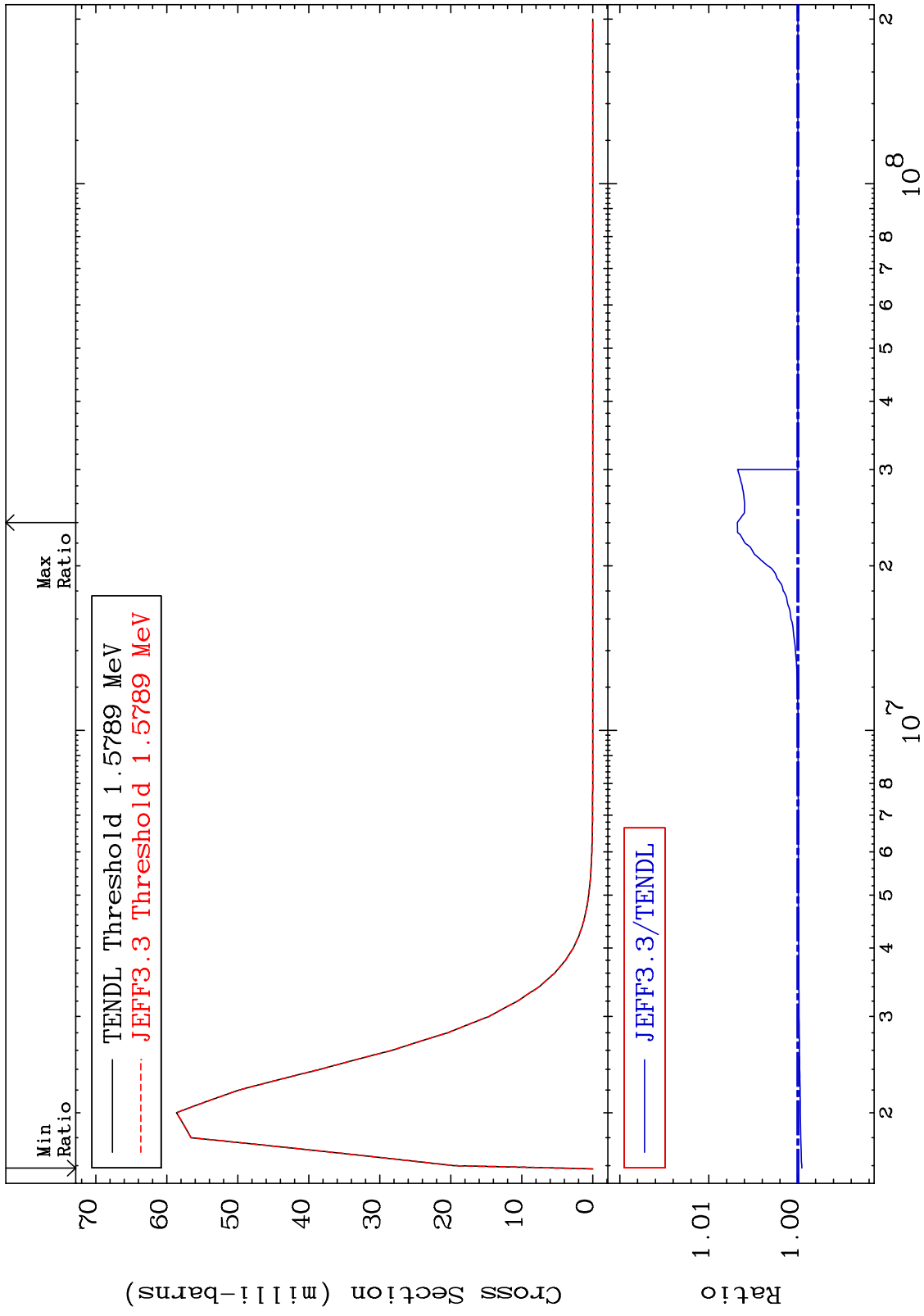
MAT 6843 MT= 76 (n,n') Level Cross Section 68-Er-168 -0.059 To 0.679 %



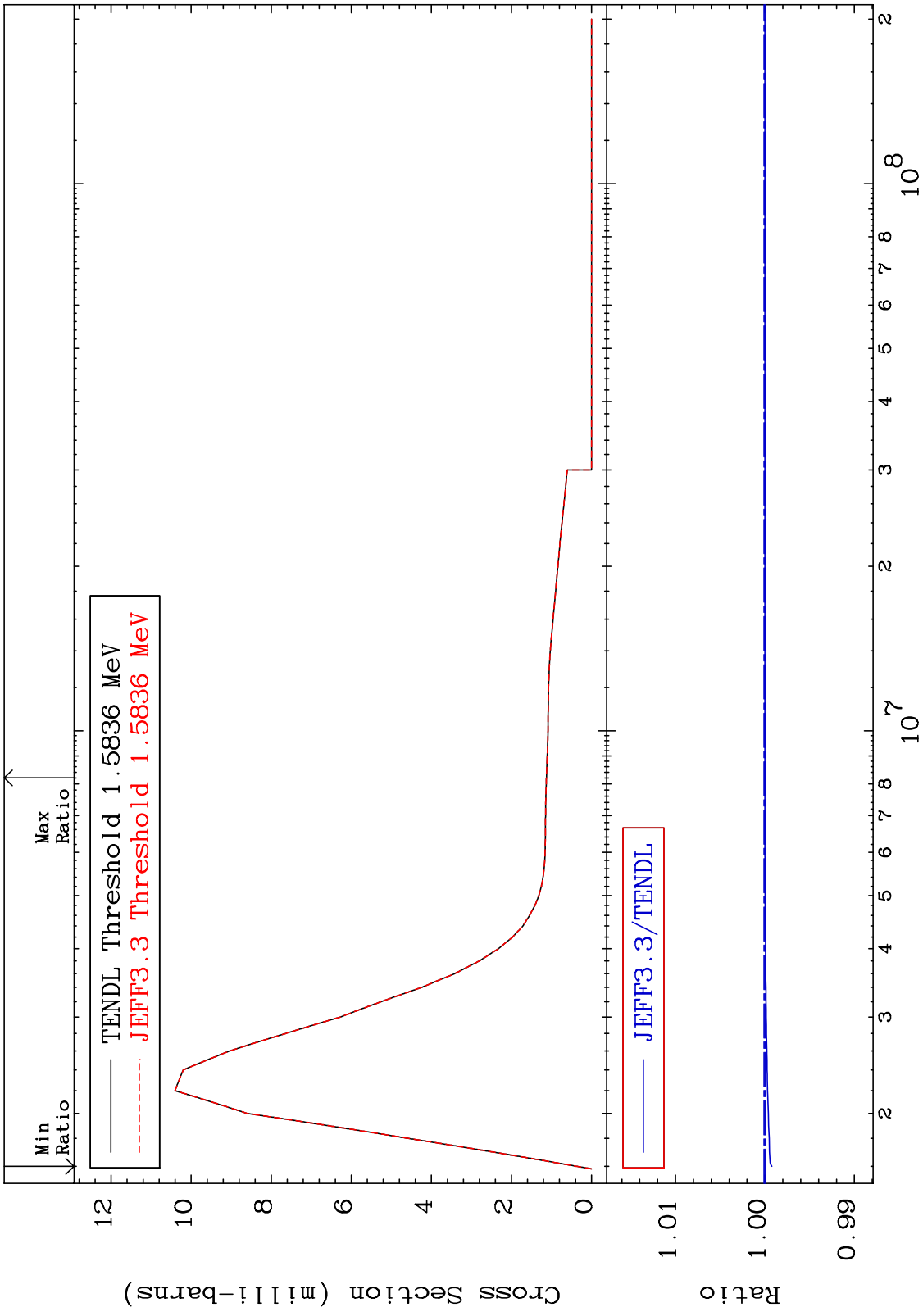
MAT 6843

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

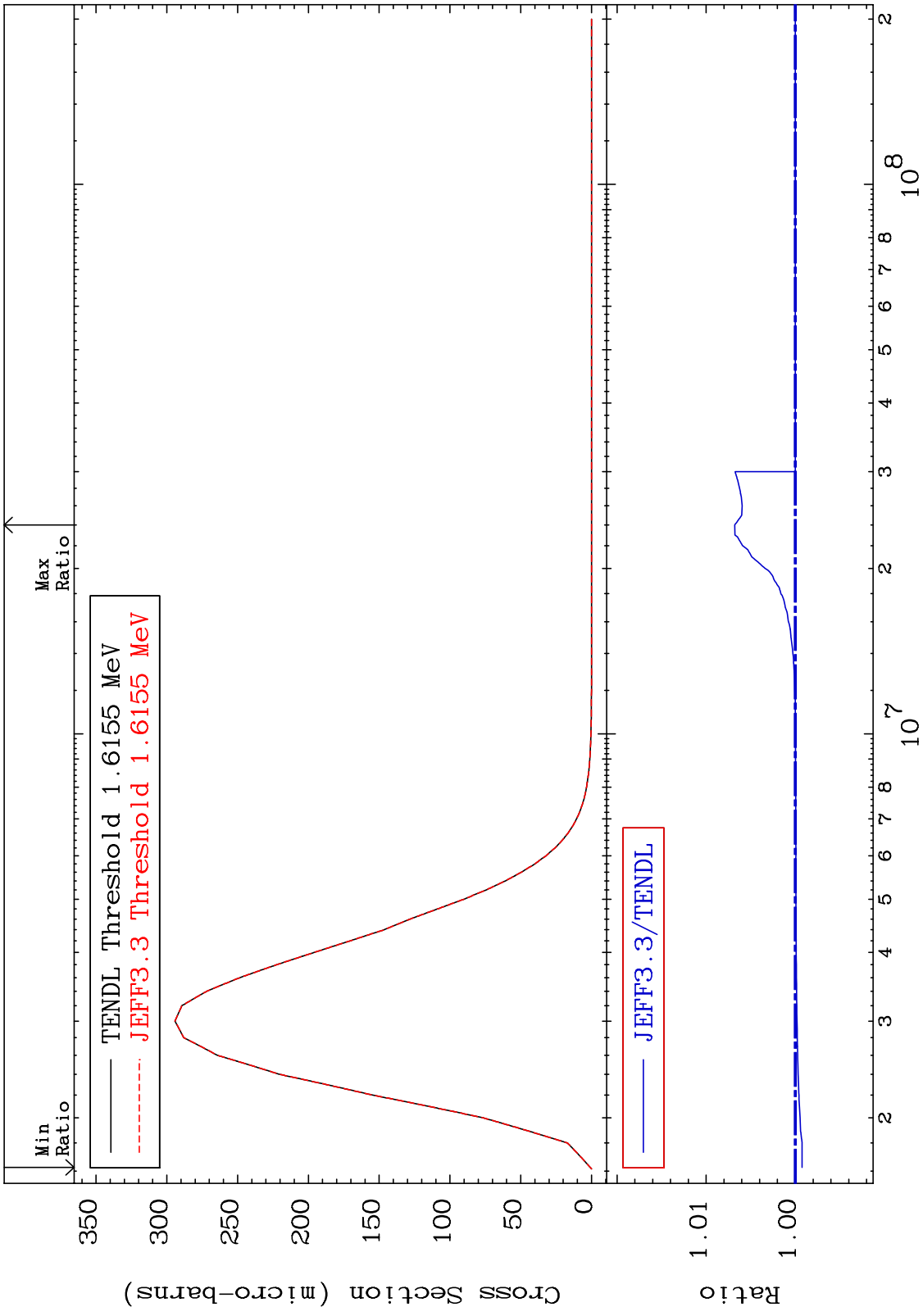
68-Er-168
-0.043 To 0.679 %



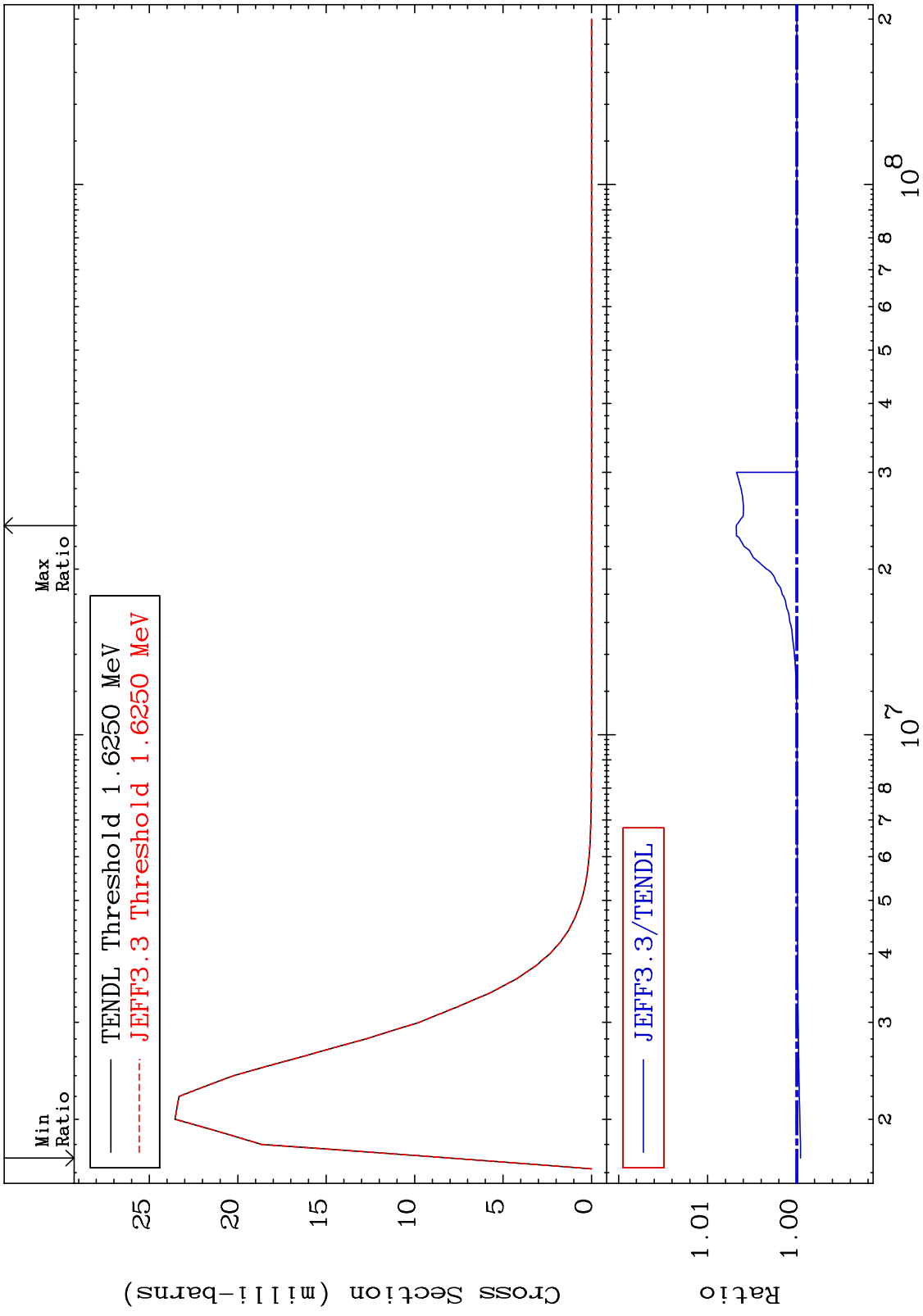
MAT 6843 MT= 78 (n,n') Level Cross Section 68-Er-168
 -0.078 To 0.000 %



MAT 6843 MT= 79 (n,n') Level Cross Section 68-Er-168 -0.077 To 0.679 %



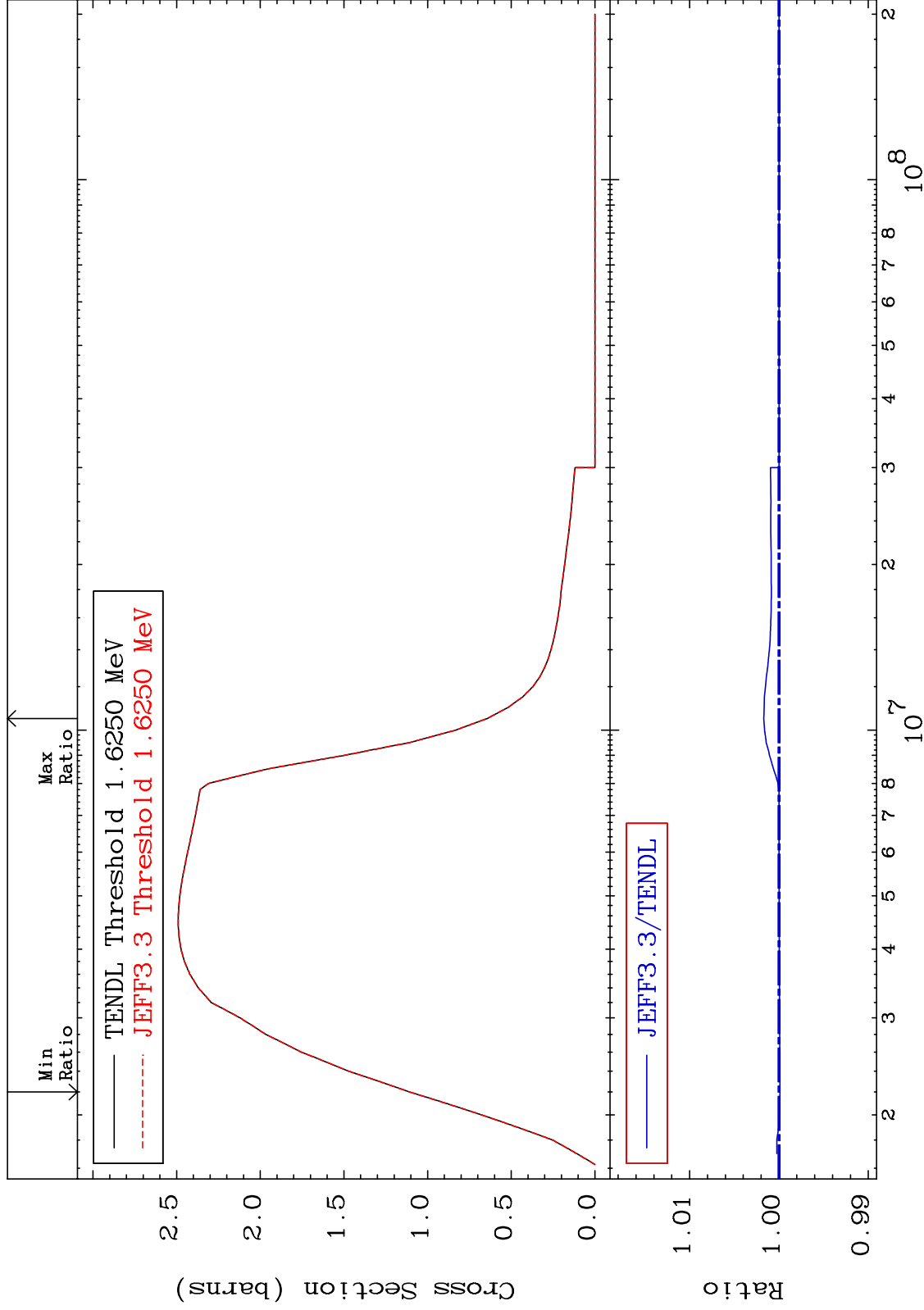
MAT 6843 MT= 80 (n, n') Level Cross Section 68-Er-168
 -0.043 To 0.679 %



MAT 6843

(n, n') Continuum
Cross Section

68-Er-168
-0.011 To 0.170 %



50

Incident Energy (eV)

68-Er-168

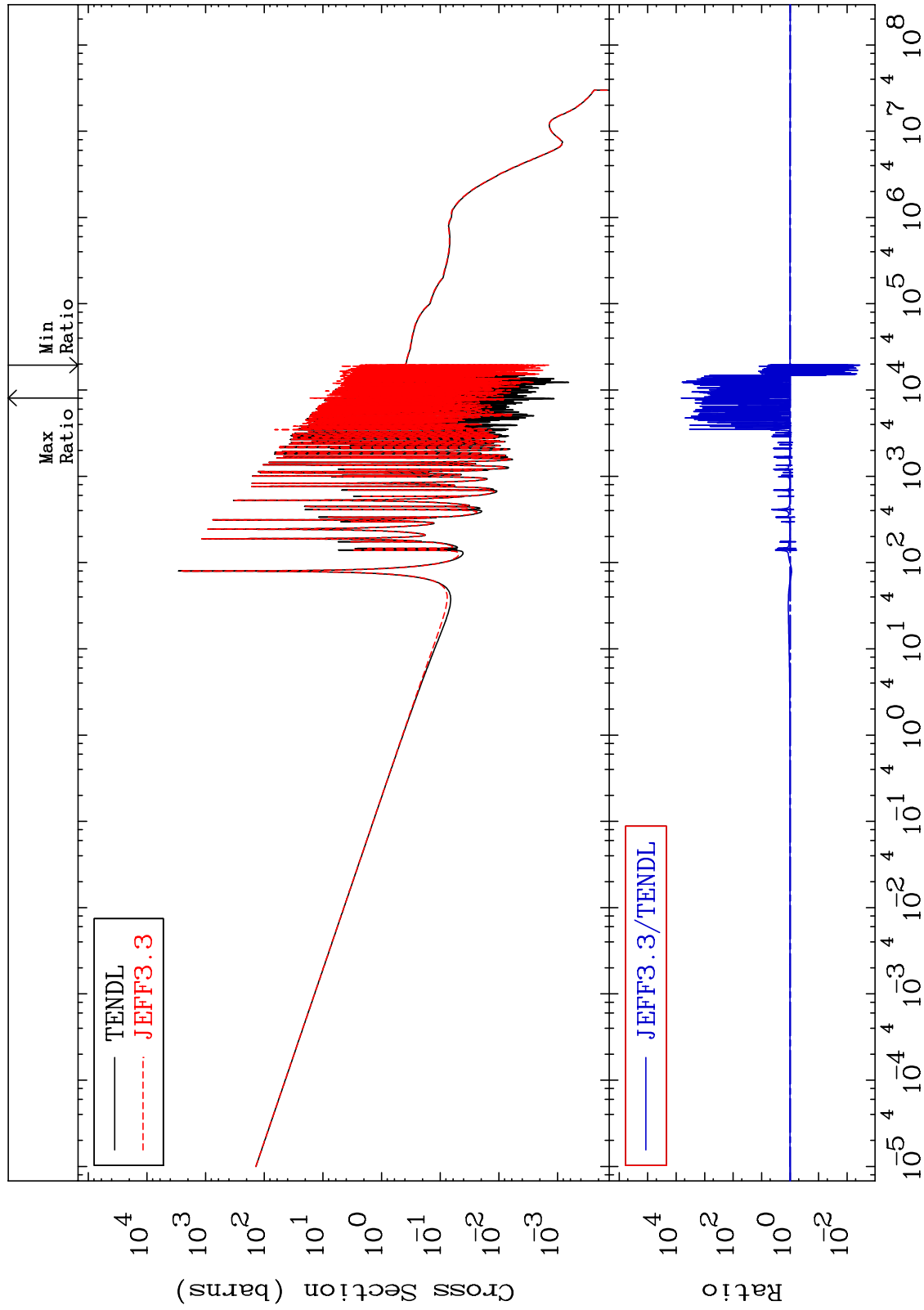
MAT 6843

(n, γ)

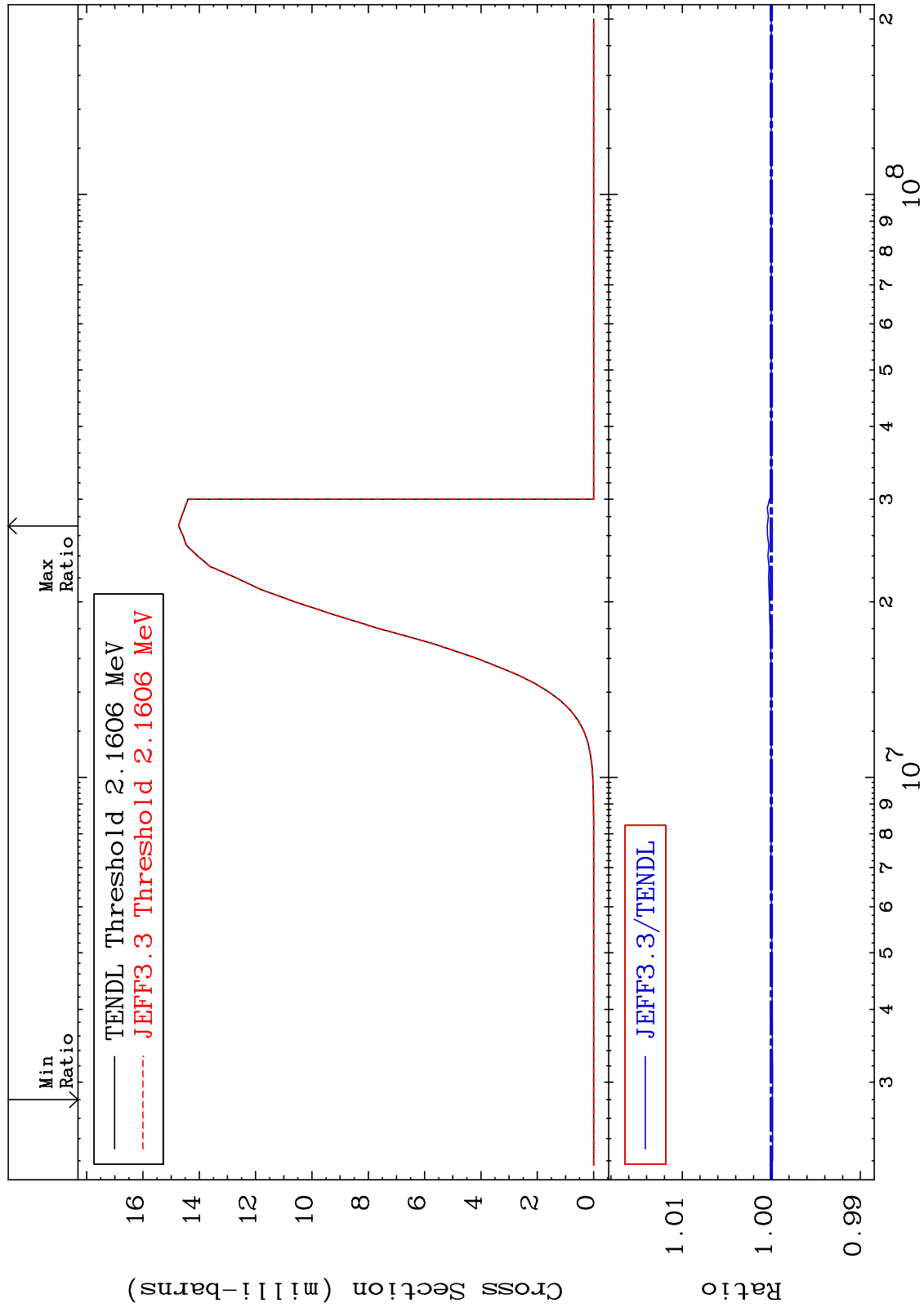
68-Er-168

Cross Section

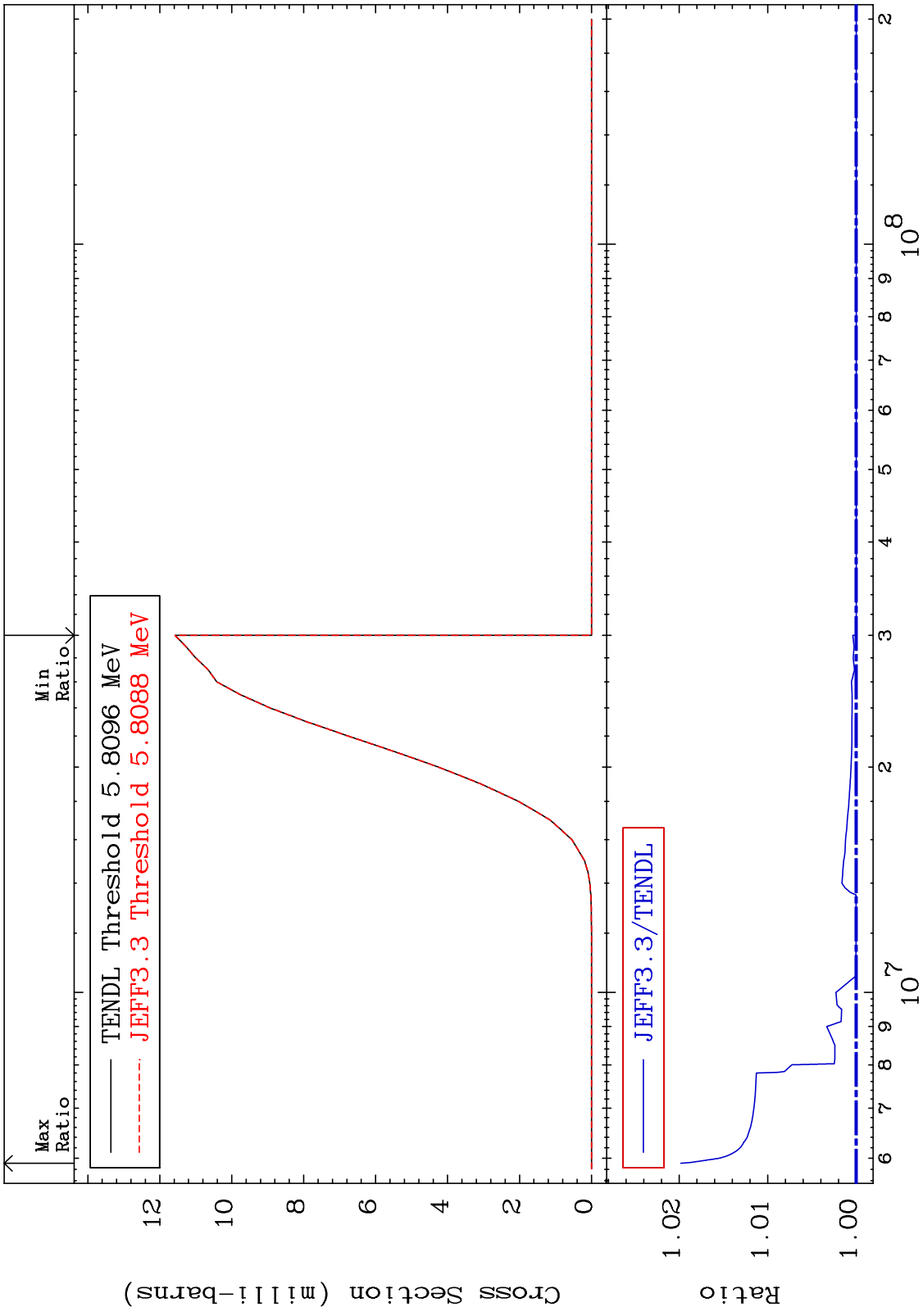
-99.64 To 9999. %



MAT 6843 (n,p) Cross Section 68-Er-168 -0.014 To 0.044 %



MAT 6843 (n,d) Cross Section 68-Er-168 To 1.982 %



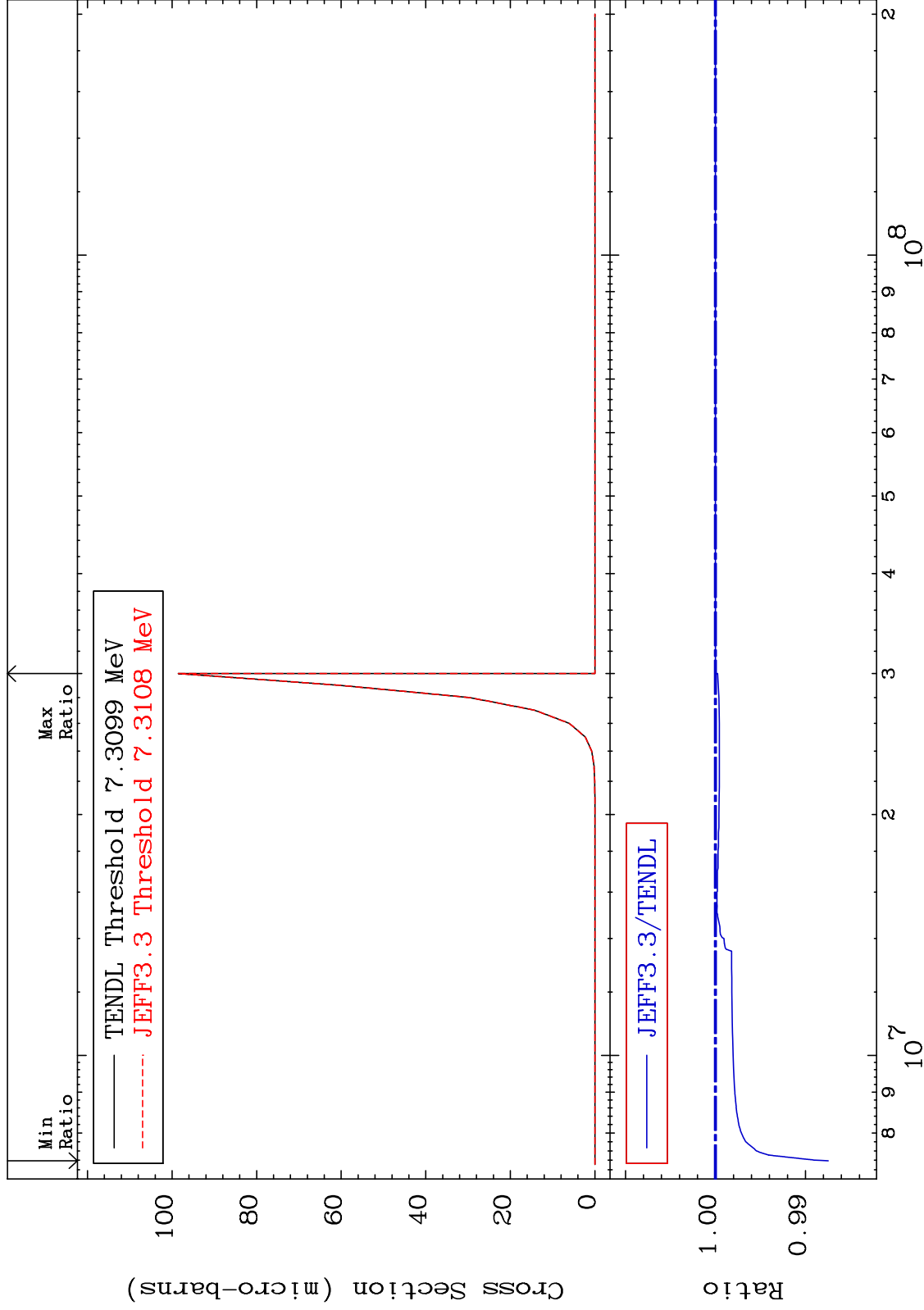
MAT 6843

(n, He-3)

68-Er-168

-1.254 To 0.000 %

Cross Section



55

Incident Energy (eV)

68-Er-168

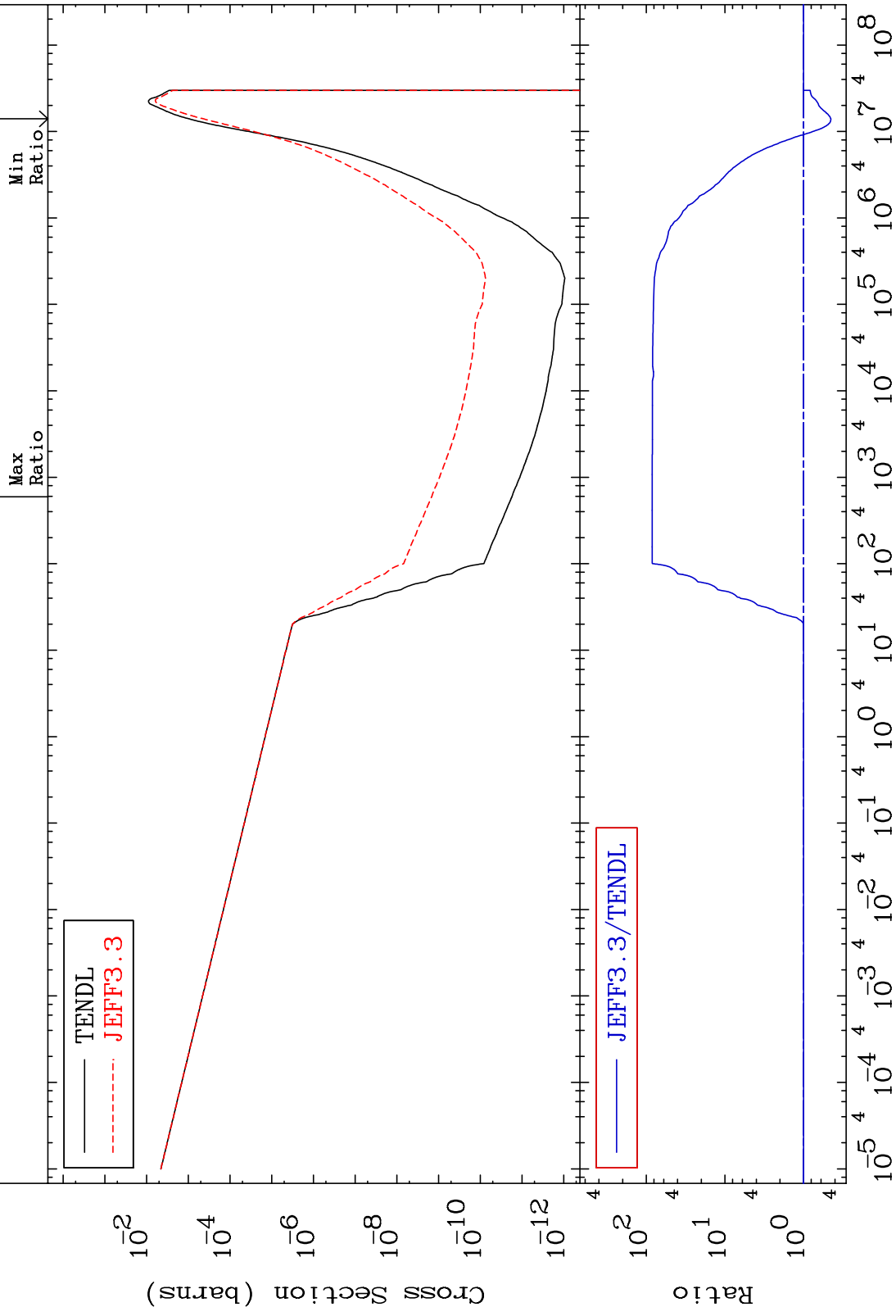
MAT 6843

(n, α)

68-Er-168

-55.01 To 8304. %

Cross Section



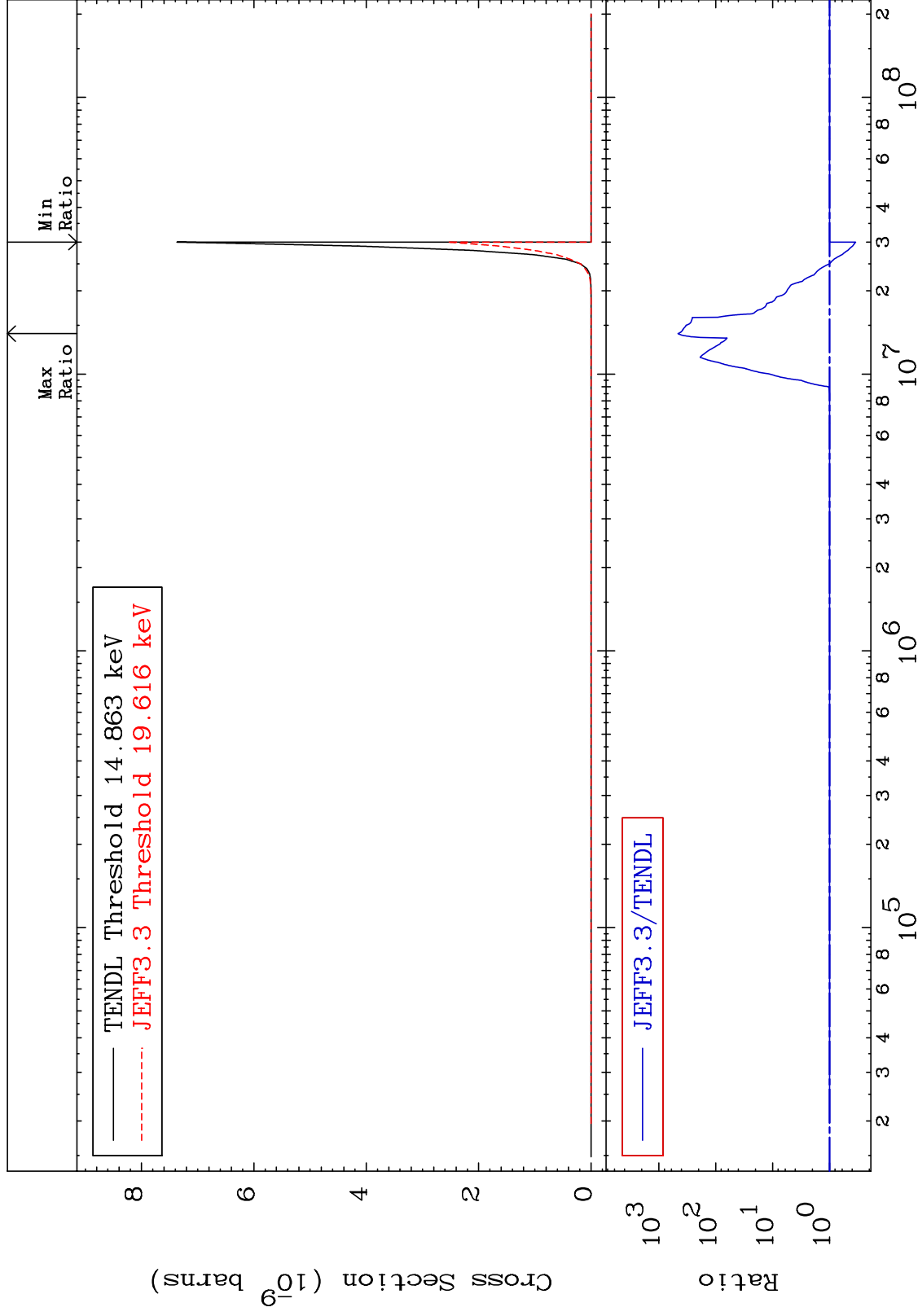
MAT 6843

(n,2α)

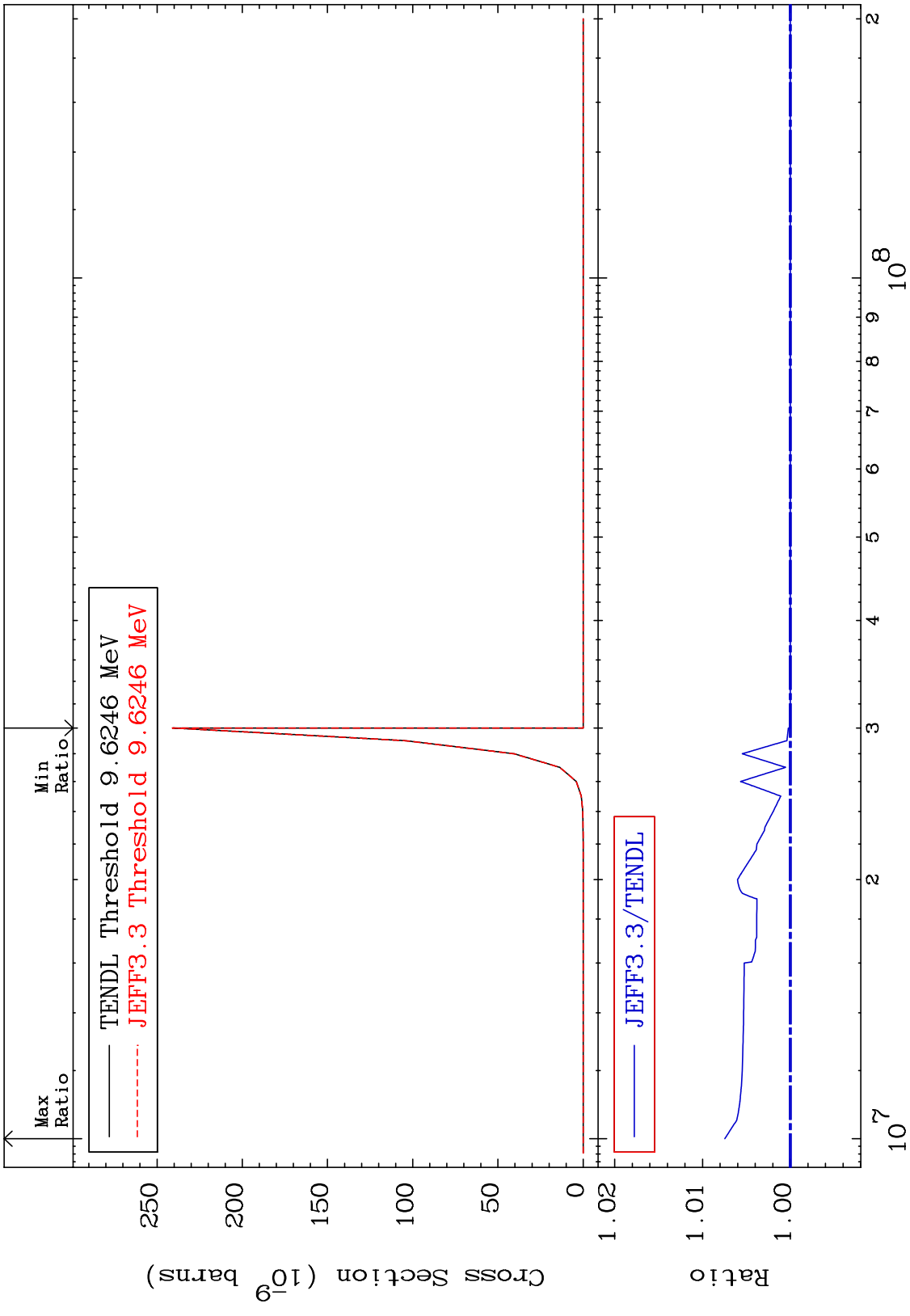
68-Er-168

Cross Section

-65.35 To 9999. %



MAT 6843 (n,2p) Cross Section 68-Er-168 To 0.746 %



MAT 6843

(n,p) α

68-Er-168

-41.13 To 9999. %

Cross Section

Max Ratio

Min Ratio

TENDL Threshold 2.5711 MeV
JEFF3.3 Threshold 2.5720 MeV

Cross Section (10^9 barns)

JEFF3.3/TENDL

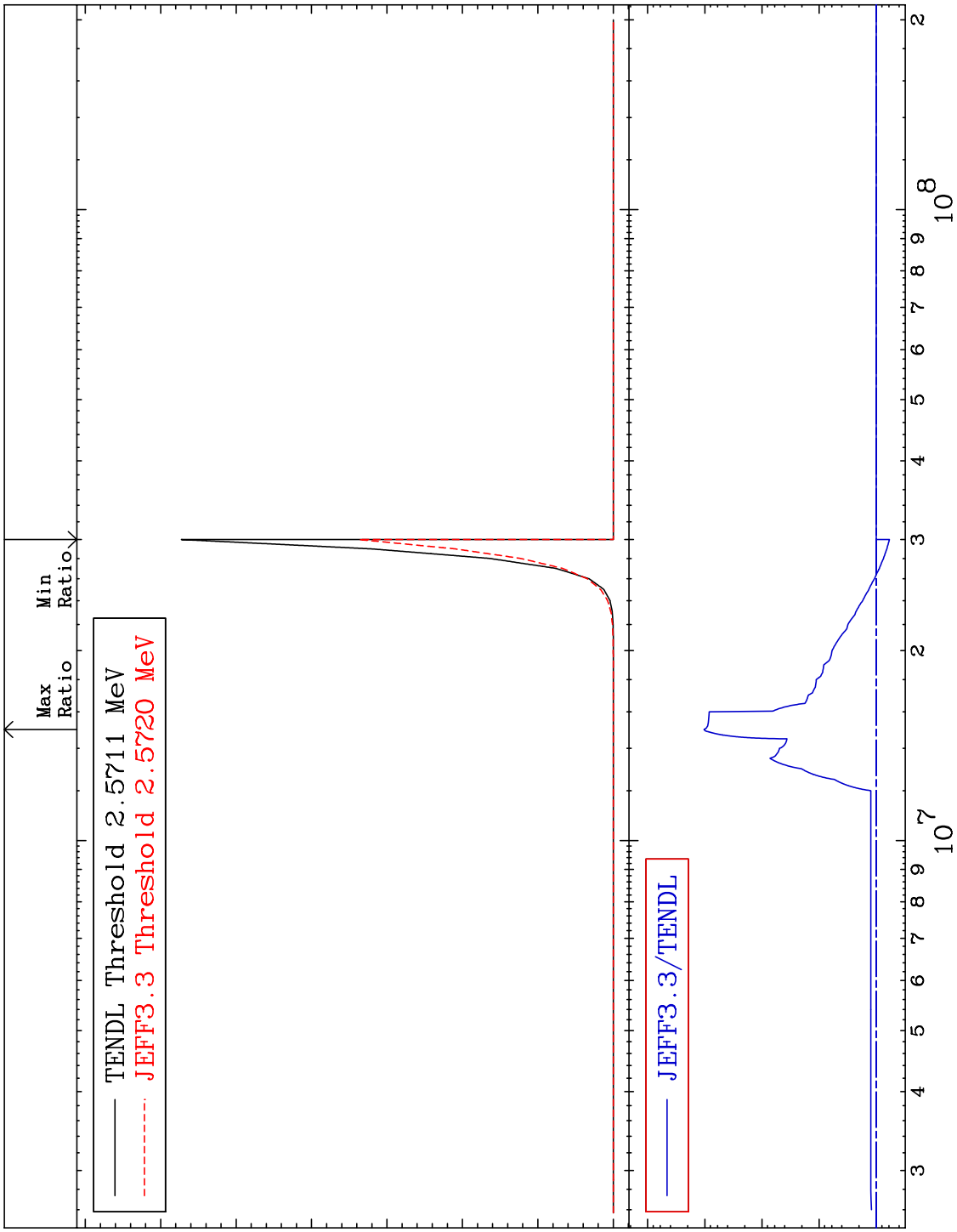
Ratio

10^3
 10^2
 10^1
 10^0

59

Incident Energy (eV)

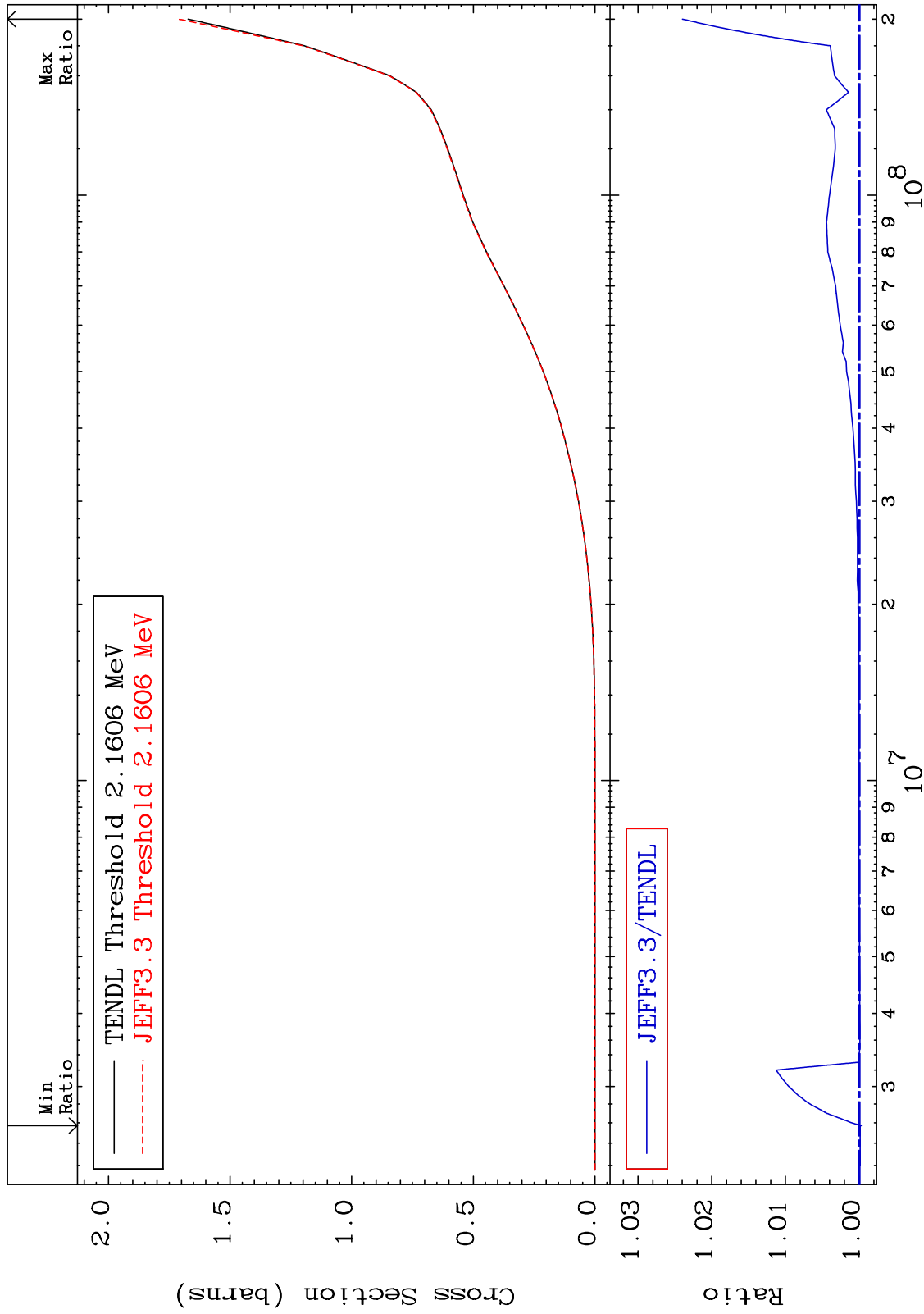
68-Er-168



MAT 6843

Hydrogen Production
Cross Section

68-Er-168
-0.030 To 2.397 %

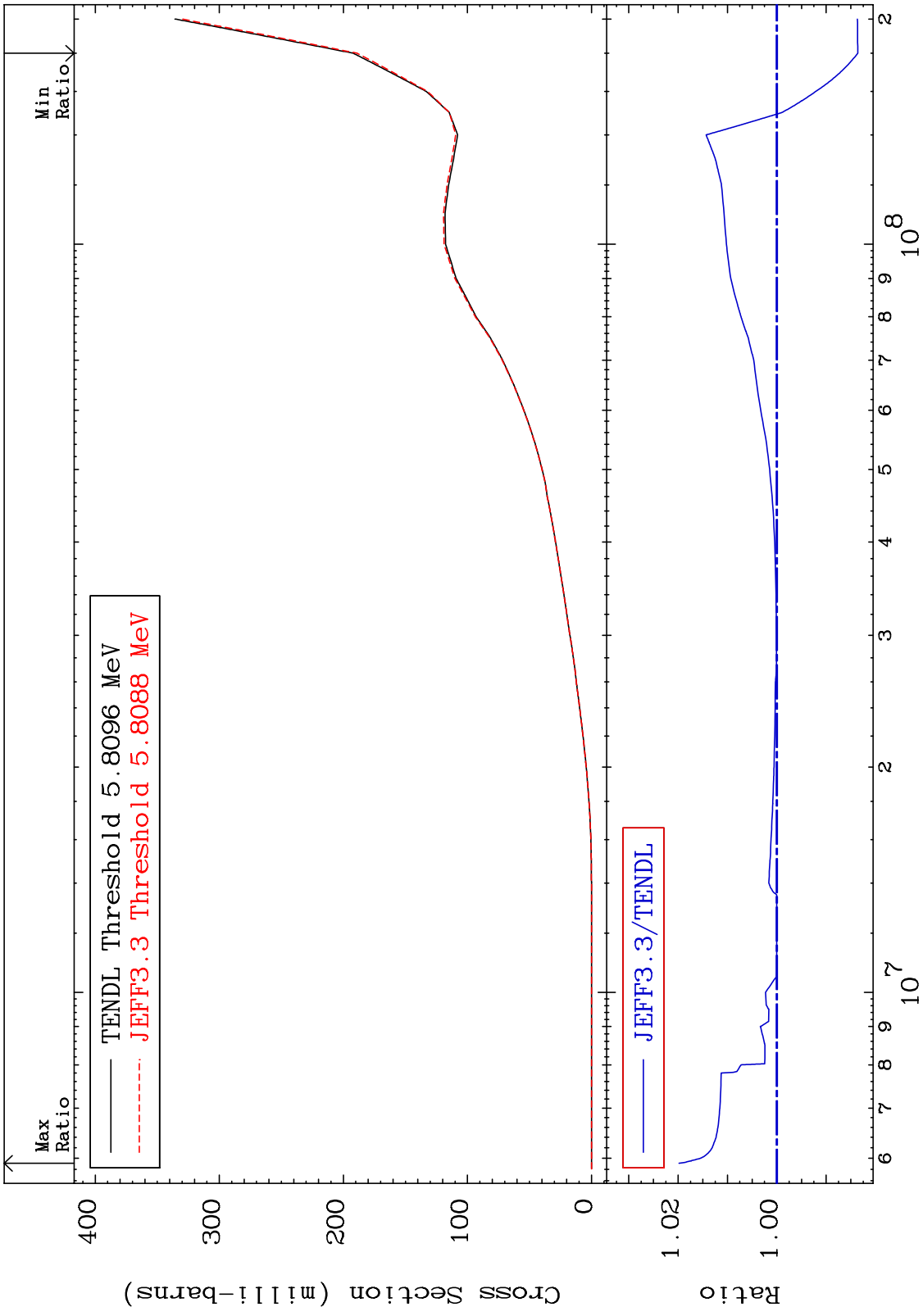


60

Incident Energy (eV)

68-Er-168

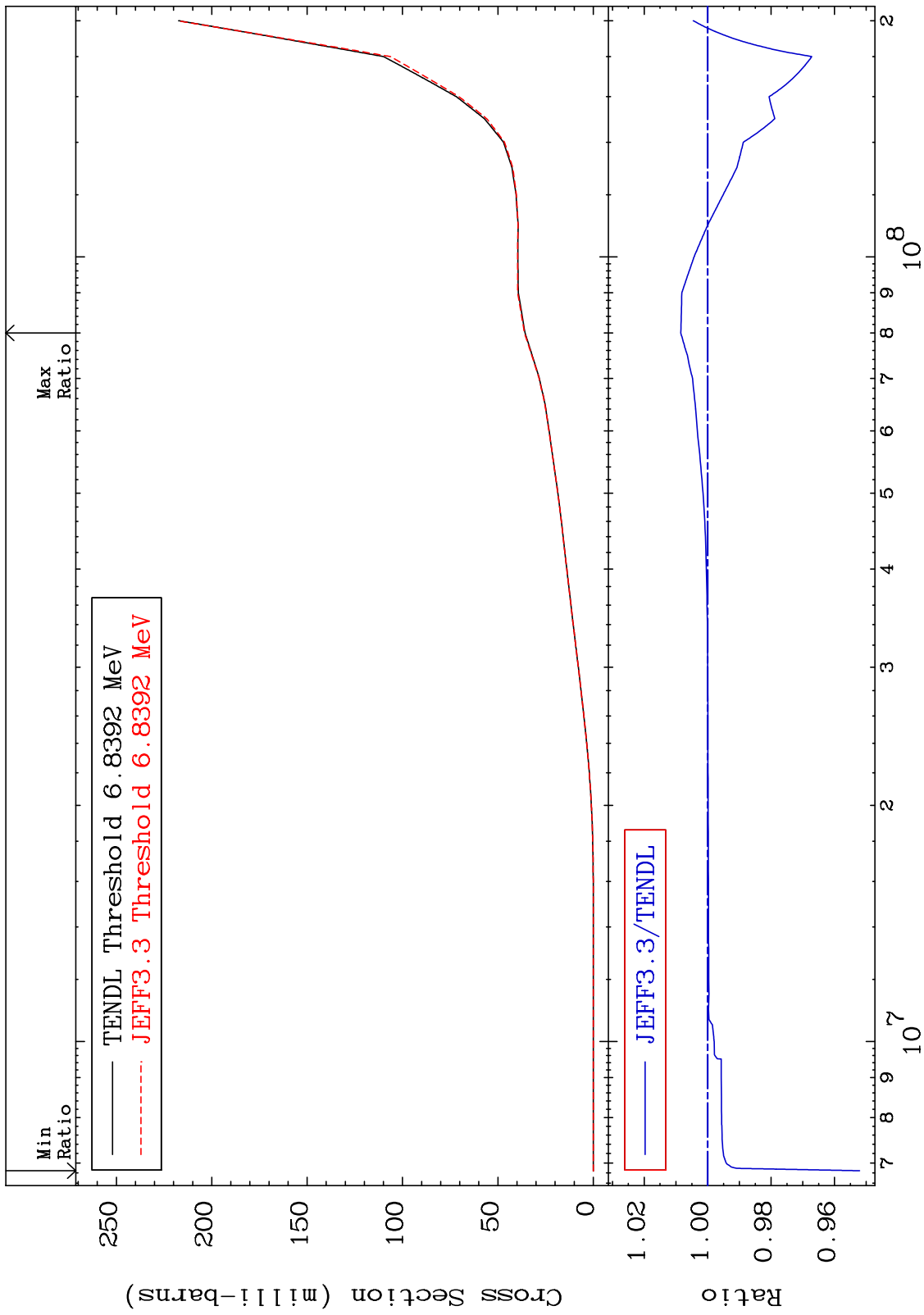
MAT 6843 Deuterium Production Cross Section 68-Er-168
-1.641 To 1.982 %



MAT 6843

Tritium Production
Cross Section

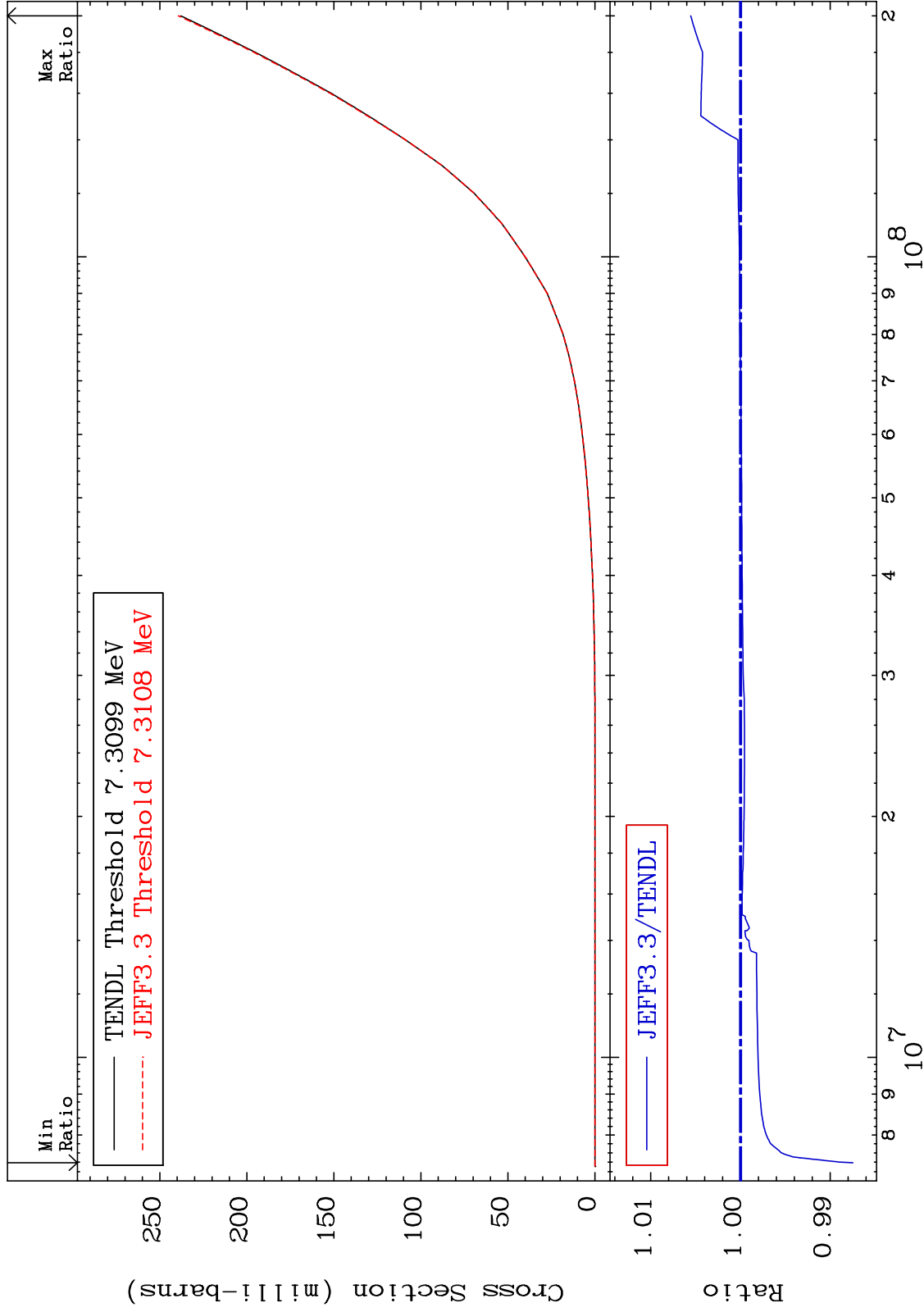
68-Er-168
-4.794 To 0.846 %



MAT 6843

He-3 Production
Cross Section

68-Er-168
-1.254 To 0.554 %



63

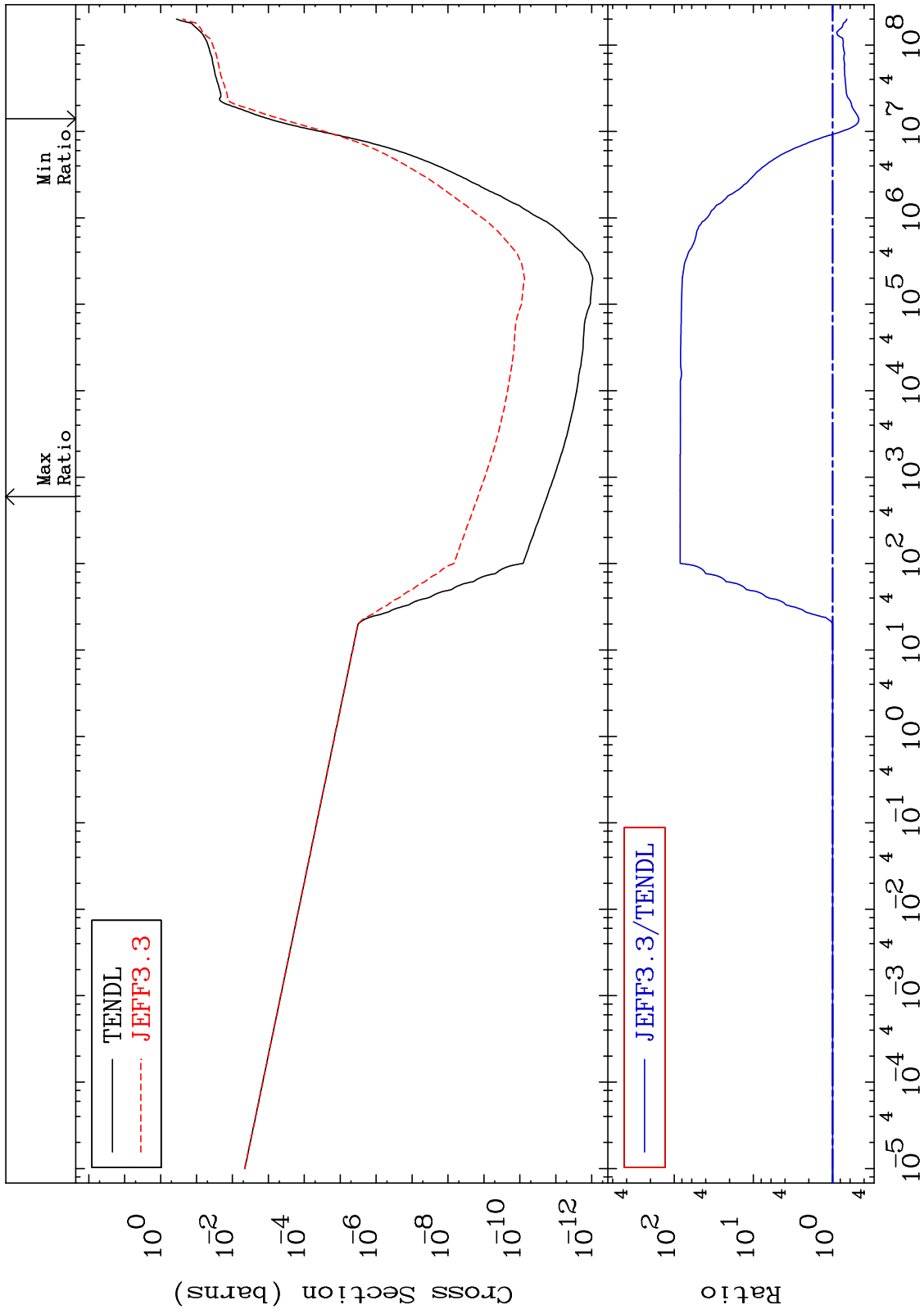
Incident Energy (eV)

68-Er-168

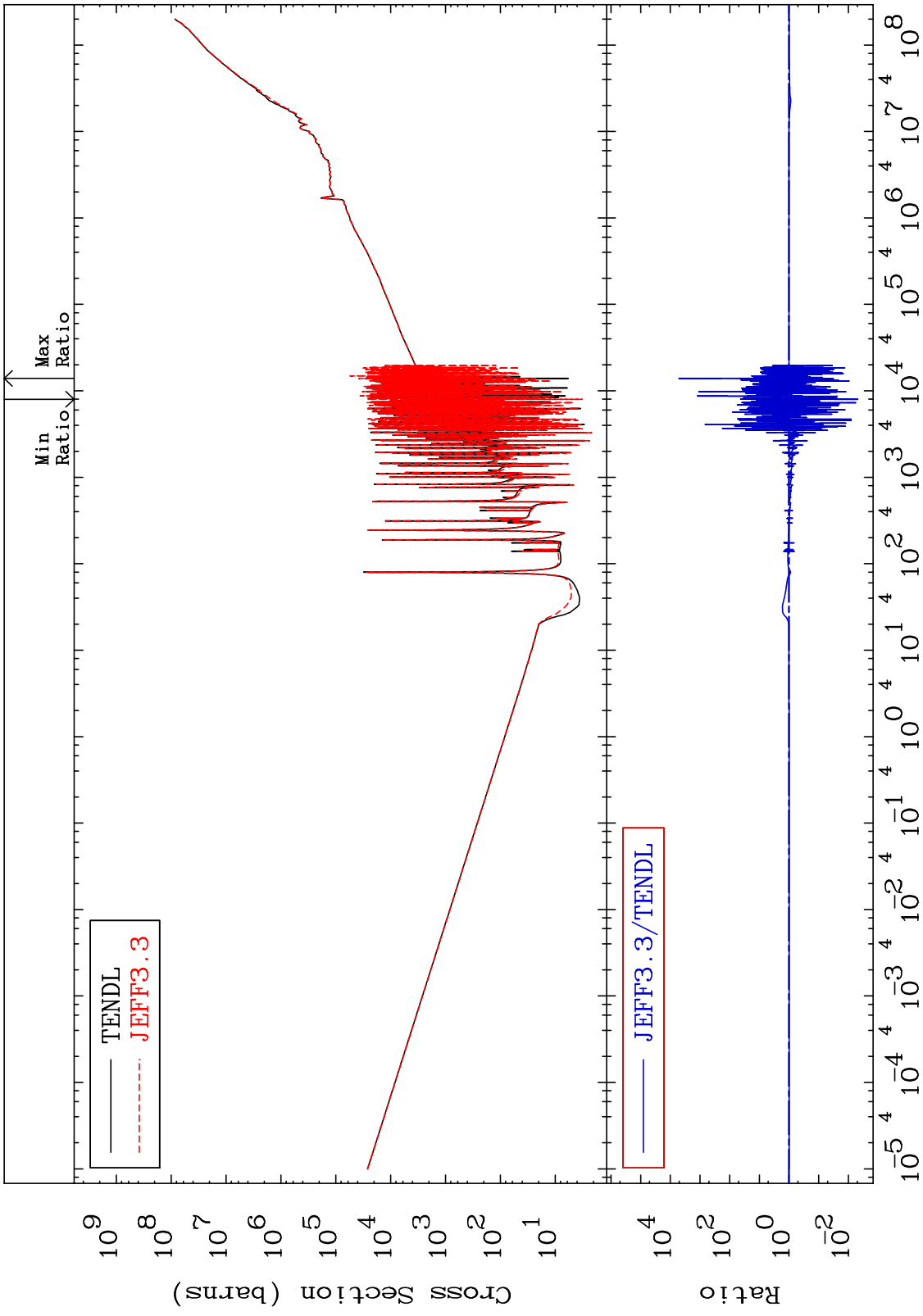
MAT 6843

He-4 Production
Cross Section

68-Er-168
-53.38 To 8304. %



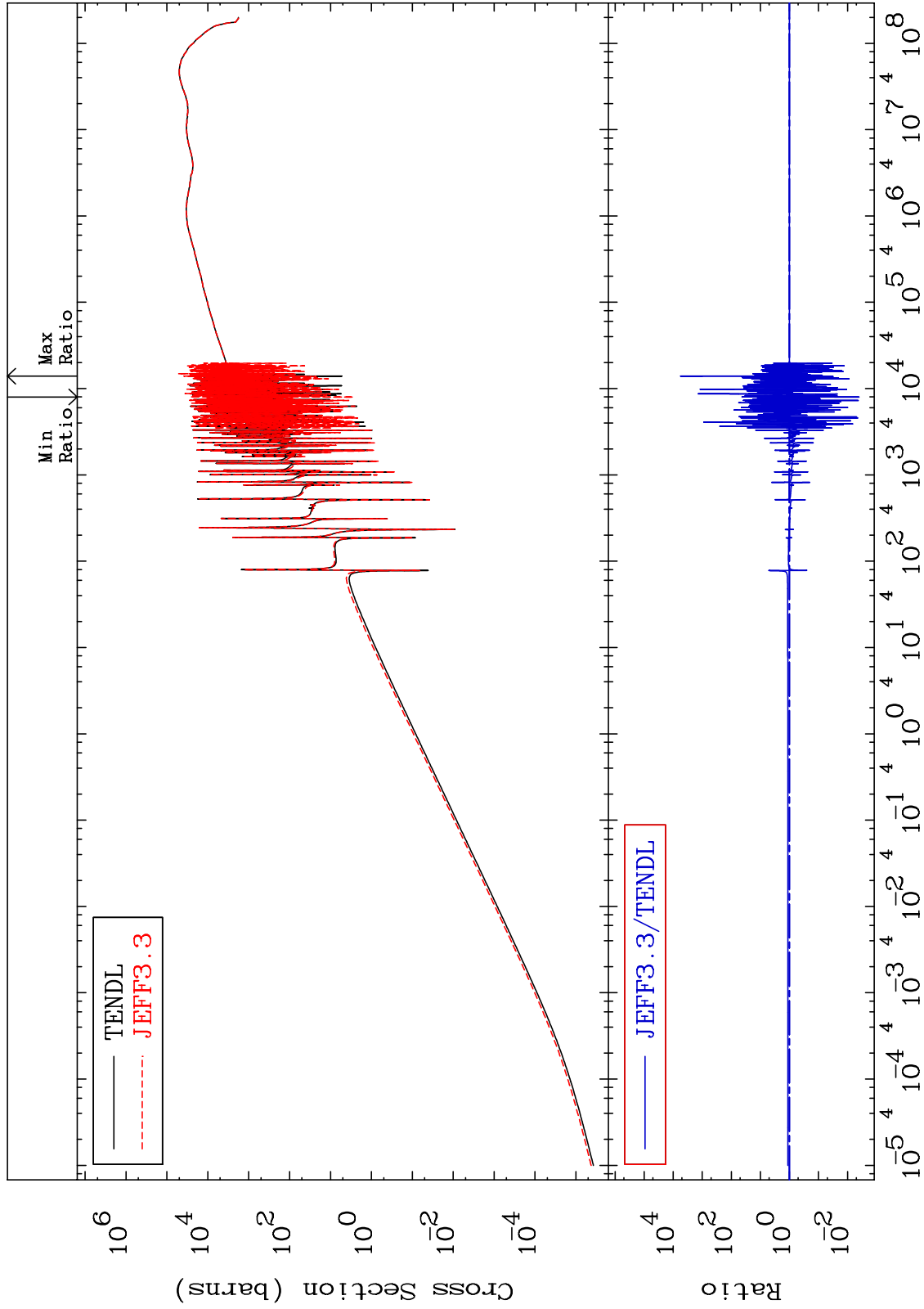
MAT 6843 Kerma total (eV-barns) 68-Er-168
 Cross Section -99.52 To 9999. %



MAT 6843

Kerma elastic
Cross Section

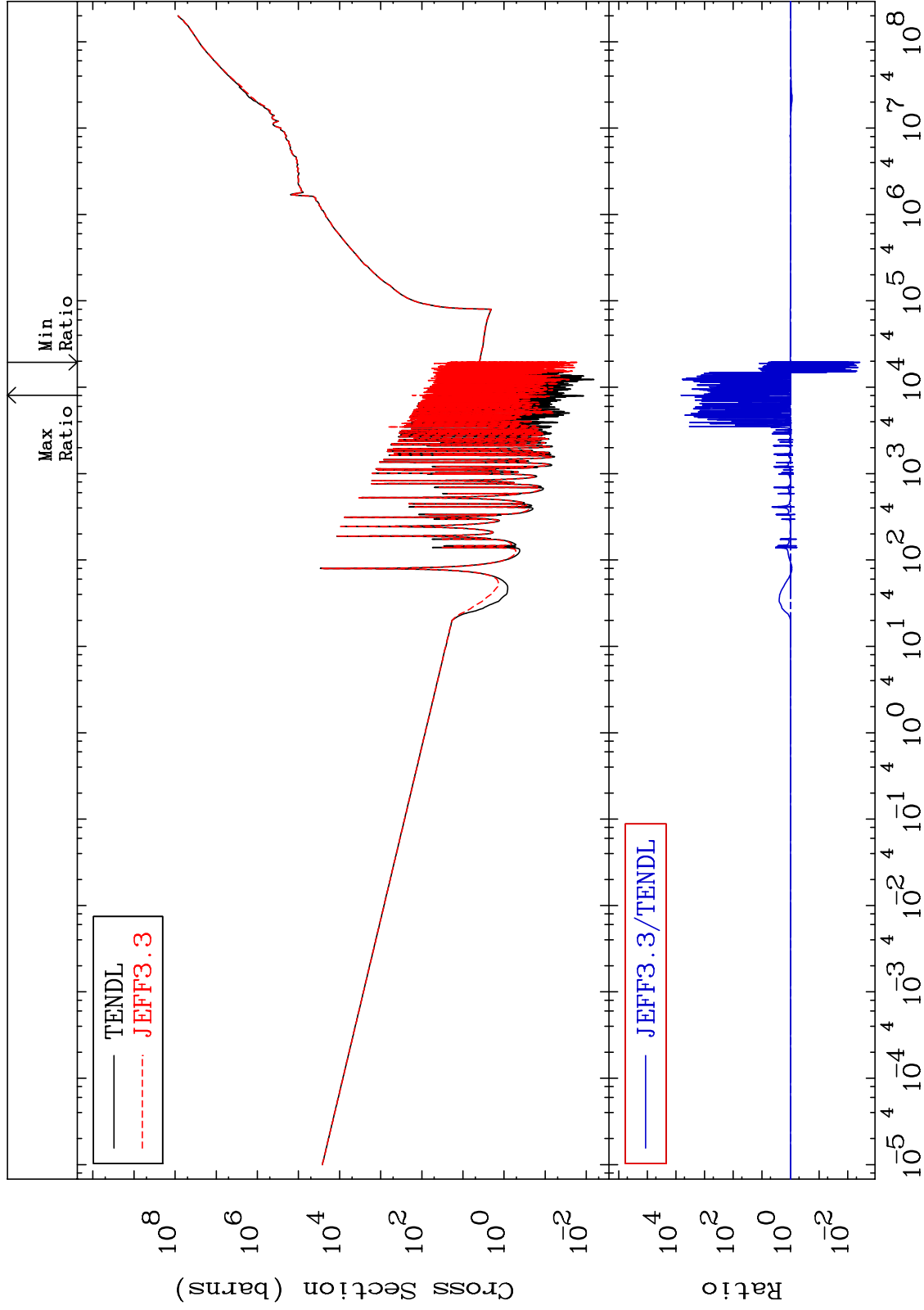
68-Er-168
-99.60 To 9999. %



MAT 6843

Kerma non-elastic (all but mt2)
Cross Section

68-Er-168
-99.62 To 9999. %

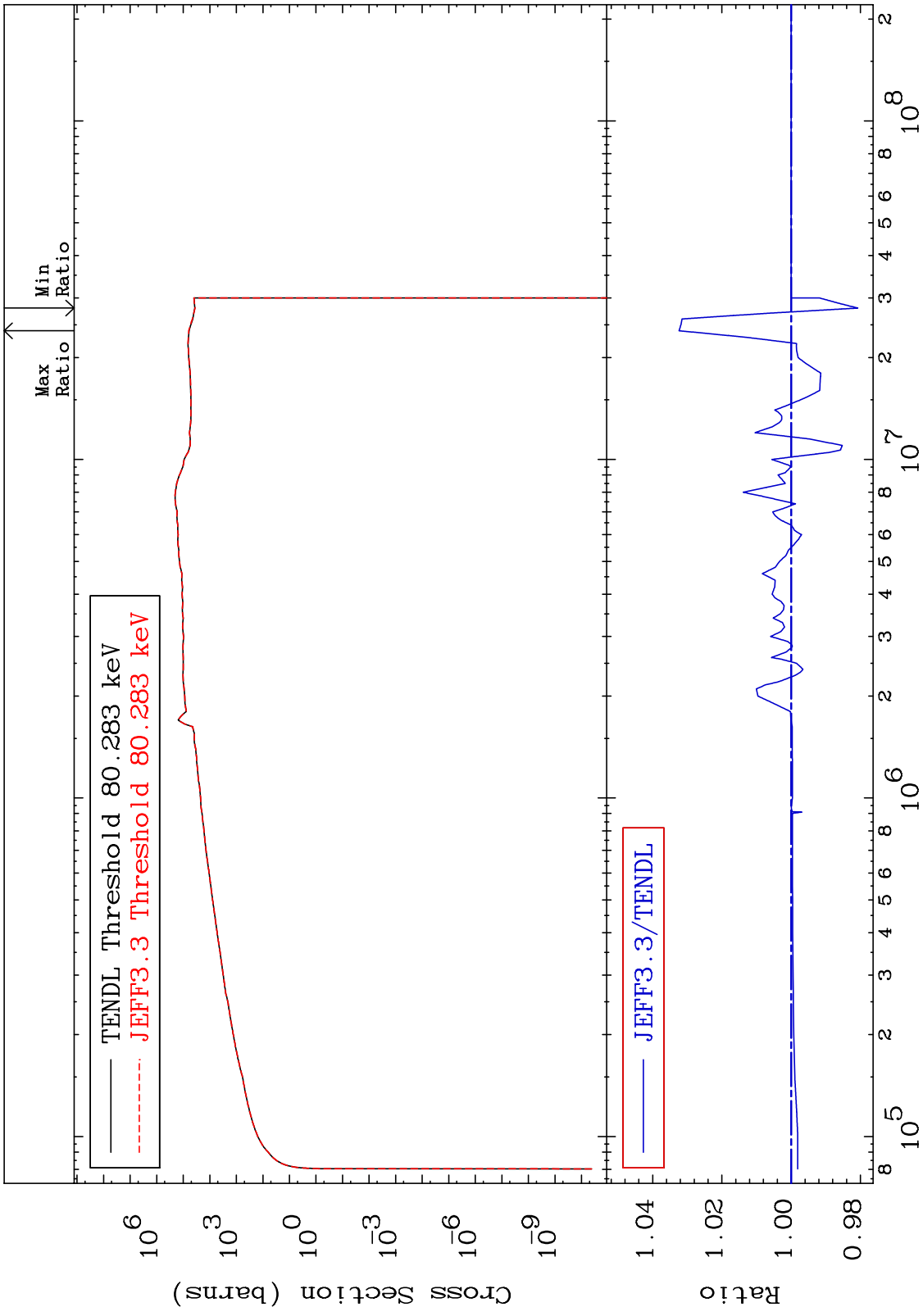


67

Incident Energy (eV)

68-Er-168

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

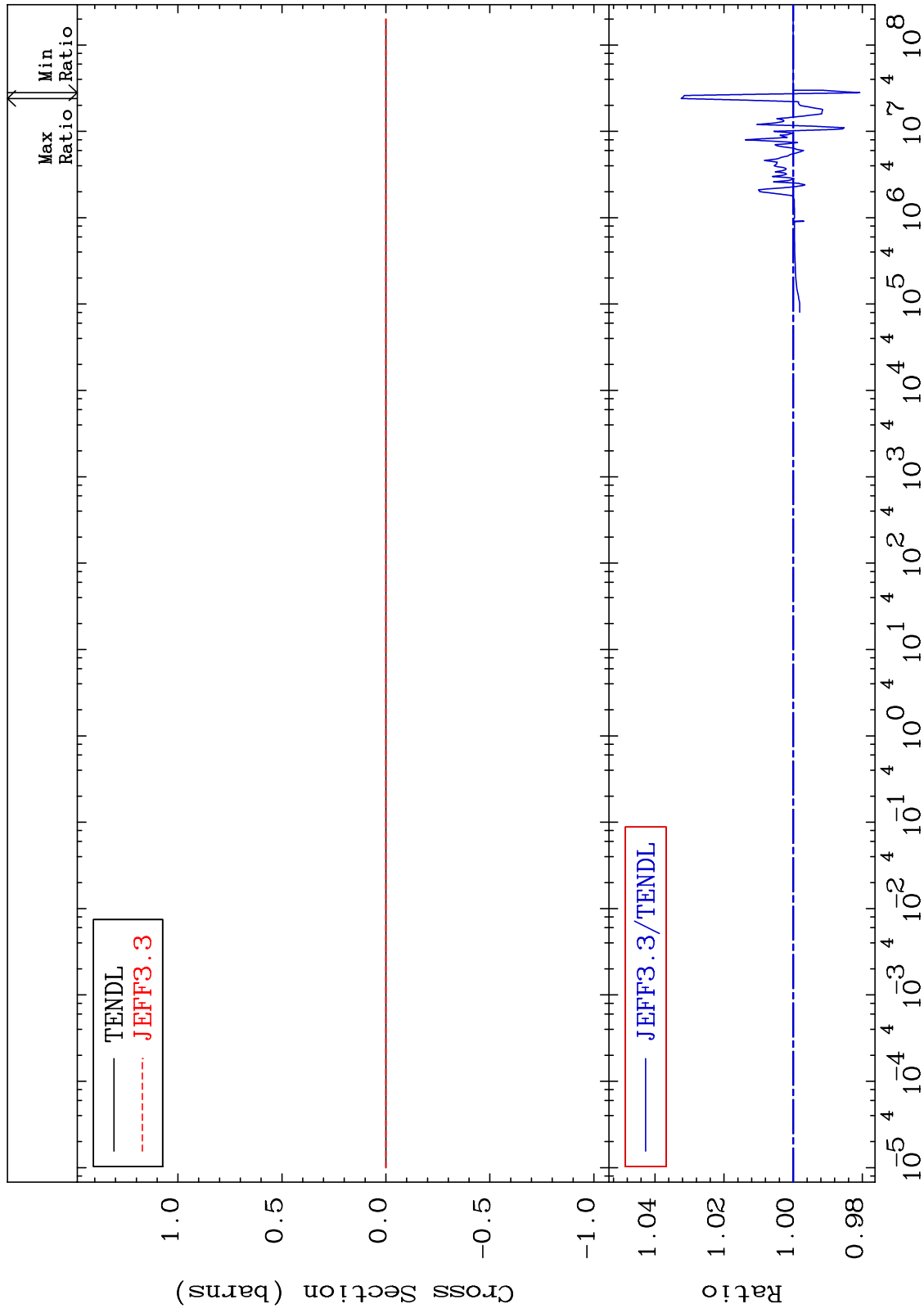


68 68-Er-168

MAT 6843

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

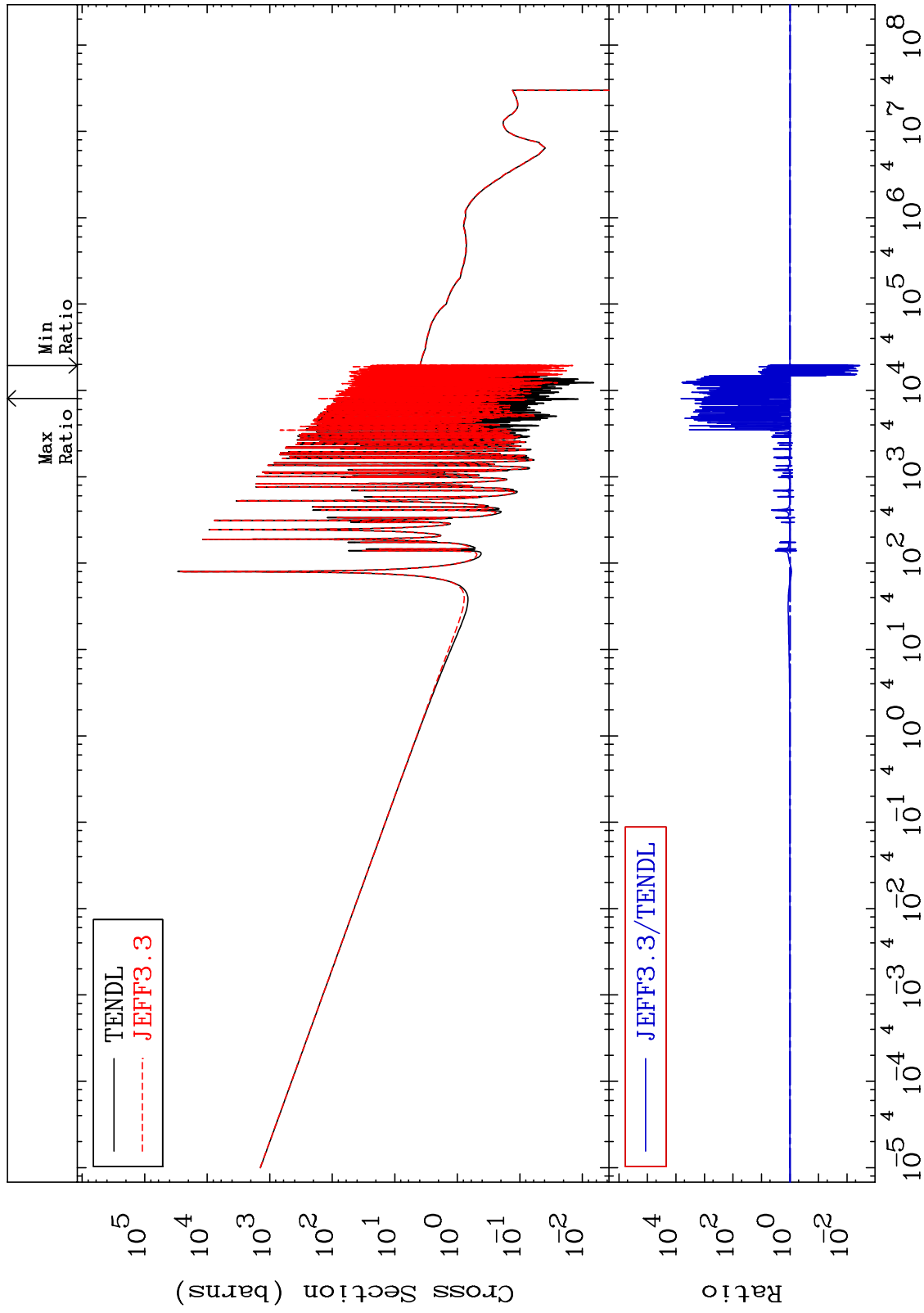
68-Er-168
-1.926 To 3.238 %



MAT 6843

Kerma capture (mt102)
Cross Section

68-Er-168
-99.64 To 9999. %



70

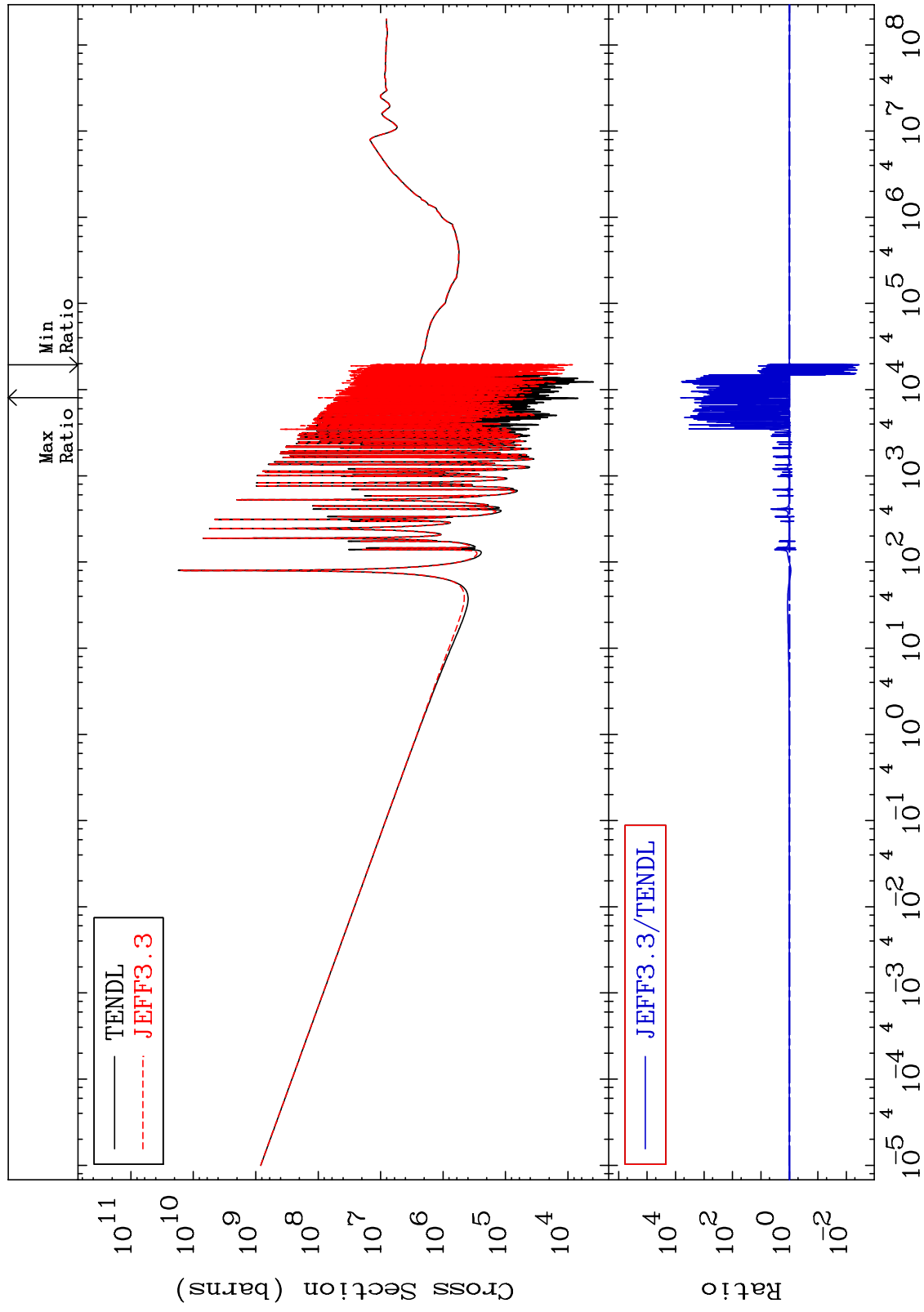
Incident Energy (eV)

68-Er-168

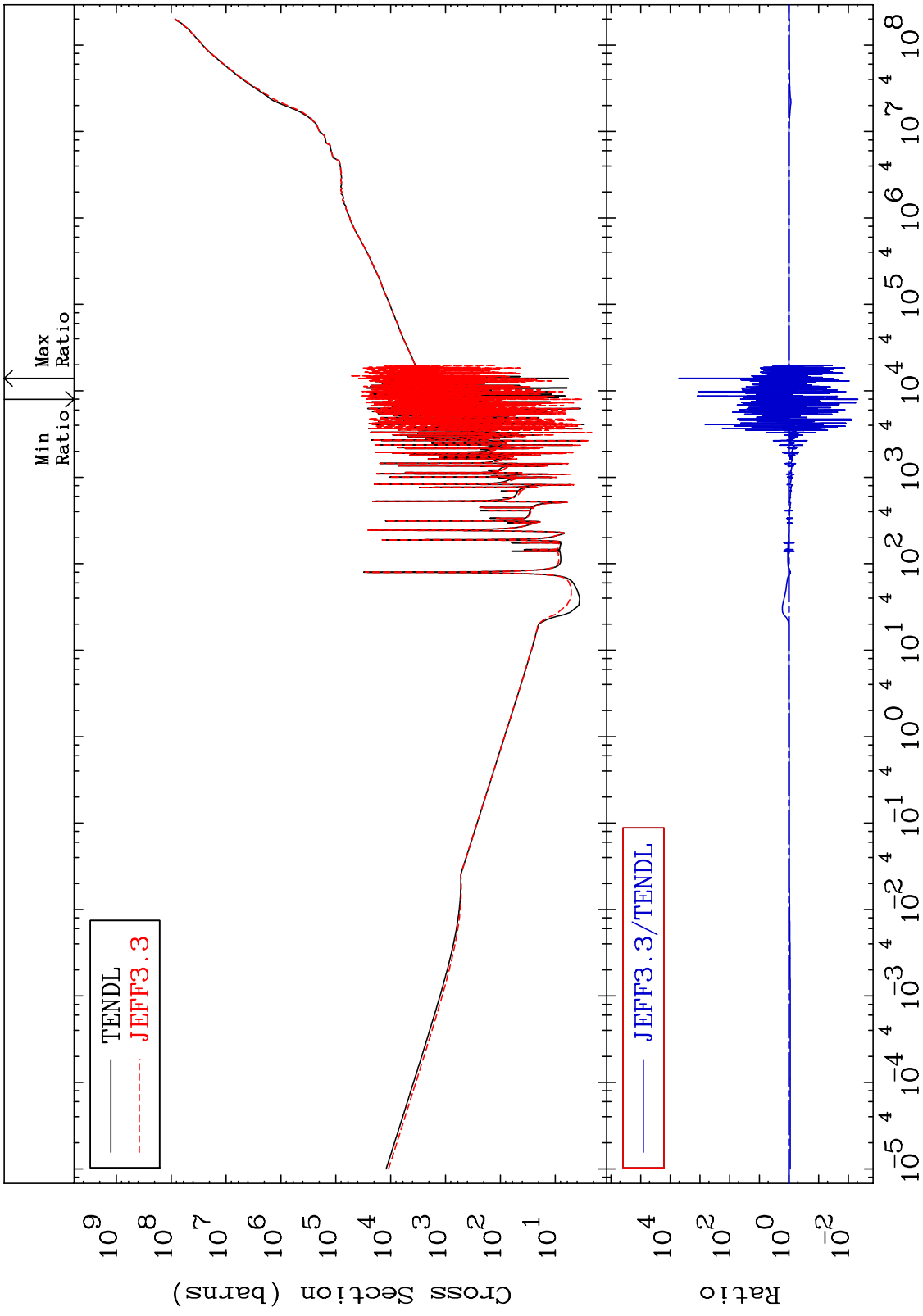
MAT 6843

Total photon (eV-barns)
Cross Section

68-Er-168
-99.64 To 9999. %



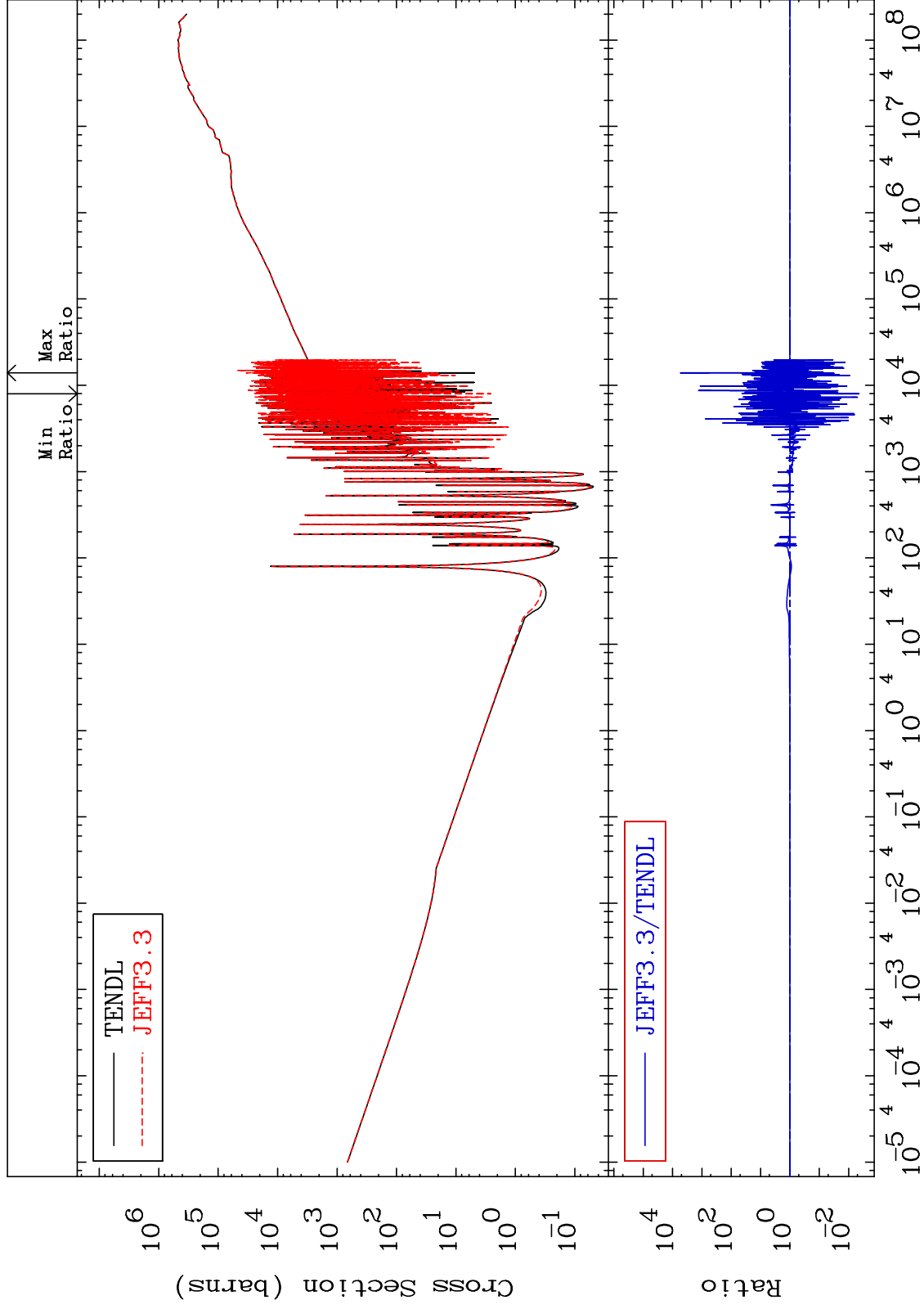
MAT 6843 Total kinematic kerma (high limit) 68-Er-168
Cross Section -99.52 To 9999. %



MAT 6843

Dpa total (eV-barns)
Cross Section

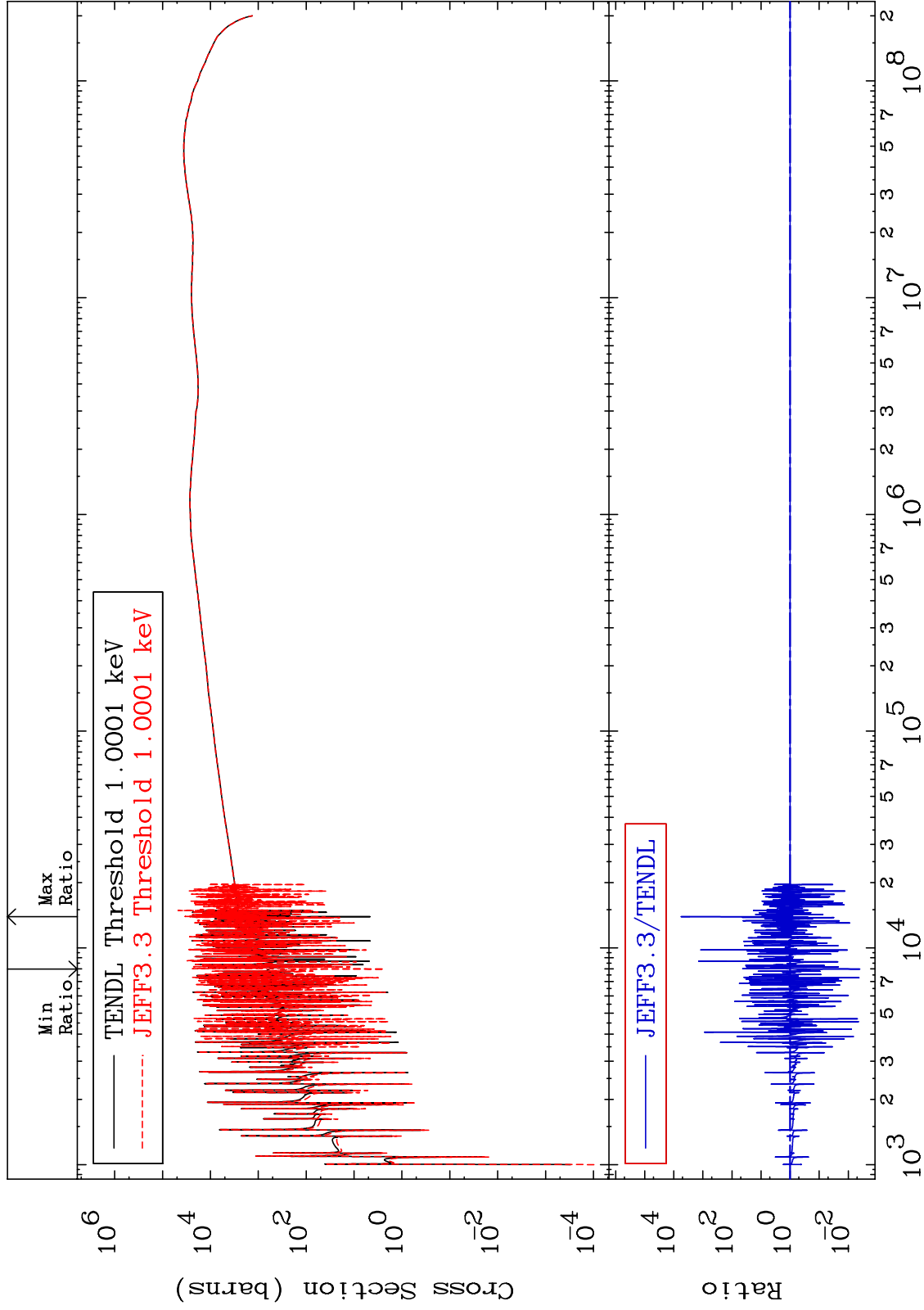
68-Er-168
-99.56 To 9999. %



MAT 6843

Dpa elastic (mt2)
Cross Section

68-Er-168
-99.60 To 9999. %

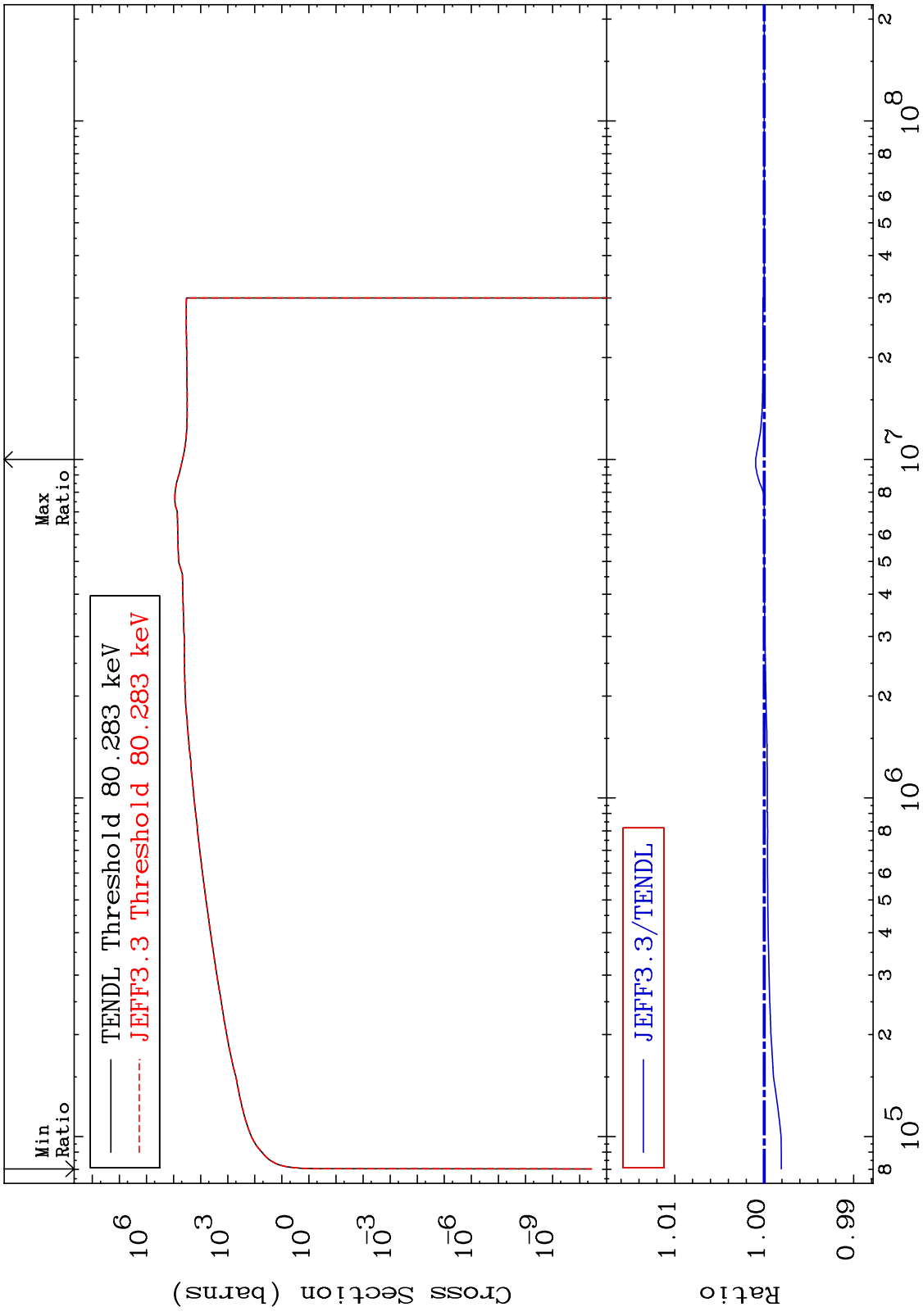


74

Incident Energy (eV)

68-Er-168

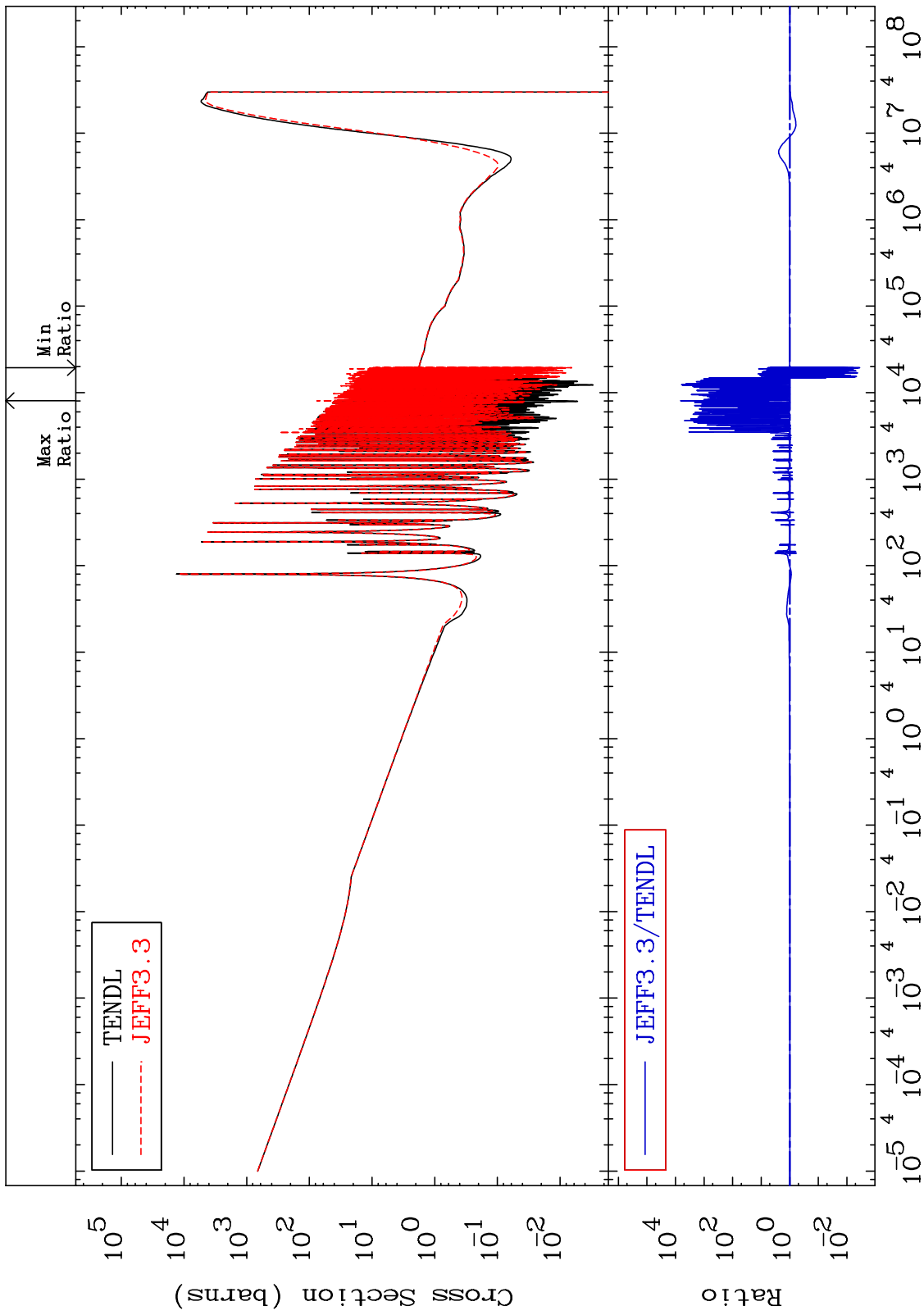
MAT 6843 Dpa inelastic (mt51-91) 68-Er-168
 Cross Section -0.191 To 0.095 %



MAT 6843

Dpa disappearance (mt102 -120)
Cross Section

68-Er-168
-99.64 To 9999. %



76

Incident Energy (eV)

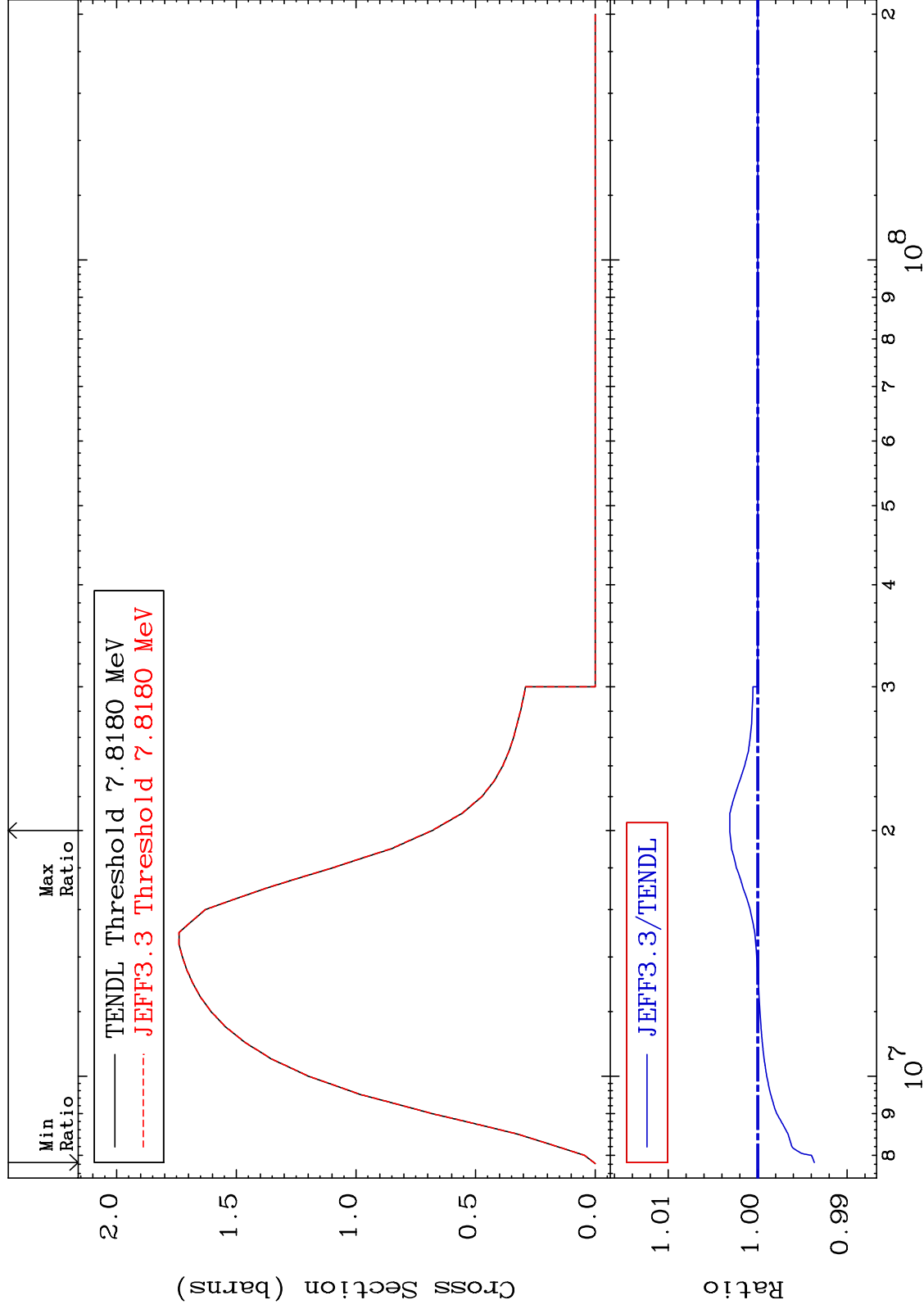
68-Er-168

MAT 6843

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

68-Er-168

Radionuclide Production Cross Section -0.633 To 0.313 %



77

Incident Energy (eV)

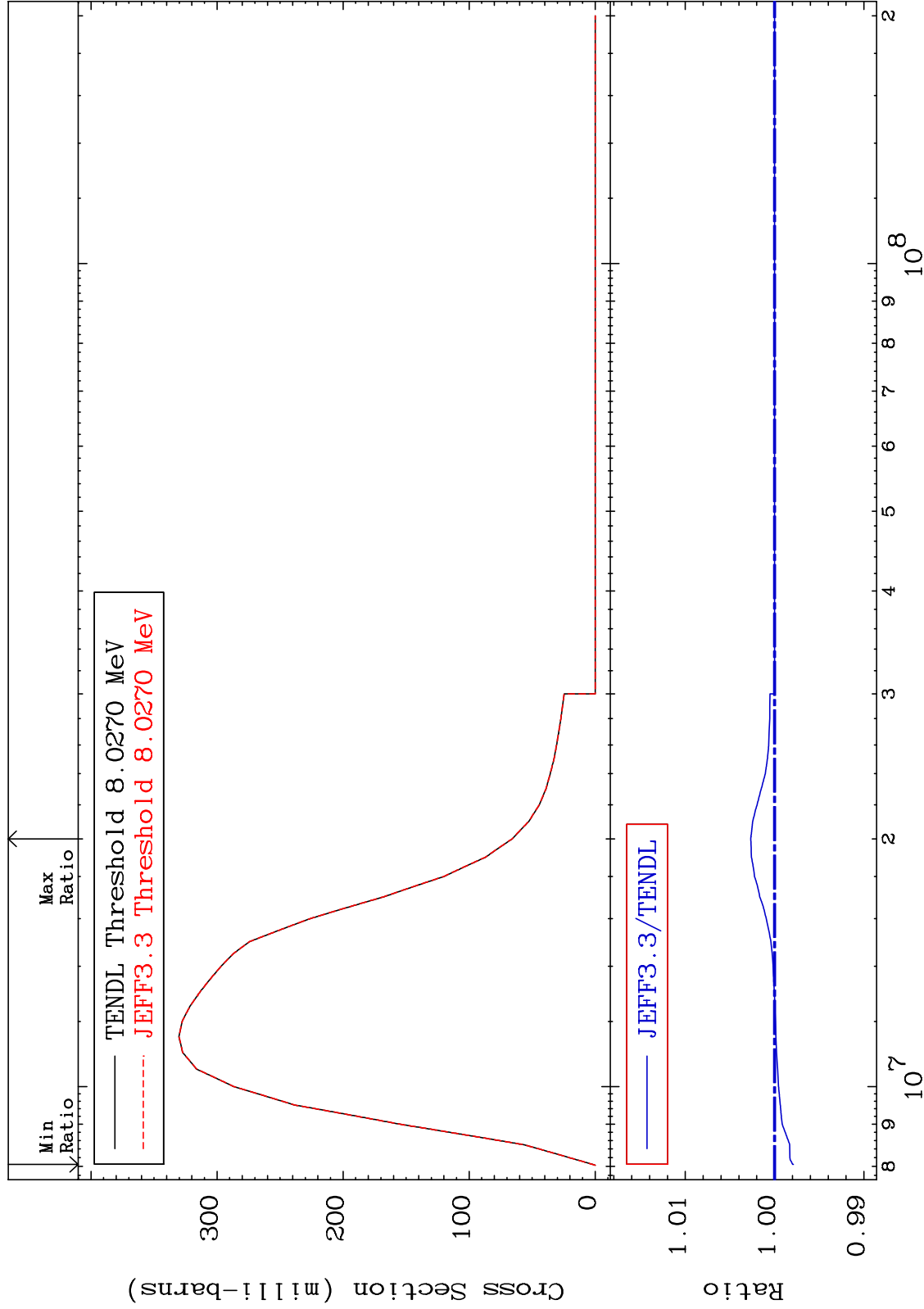
68-Er-168

MAT 6843

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

68-Er-168

Radionuclide Production Cross Section -0.209 To 0.267 %



78

Incident Energy (eV)

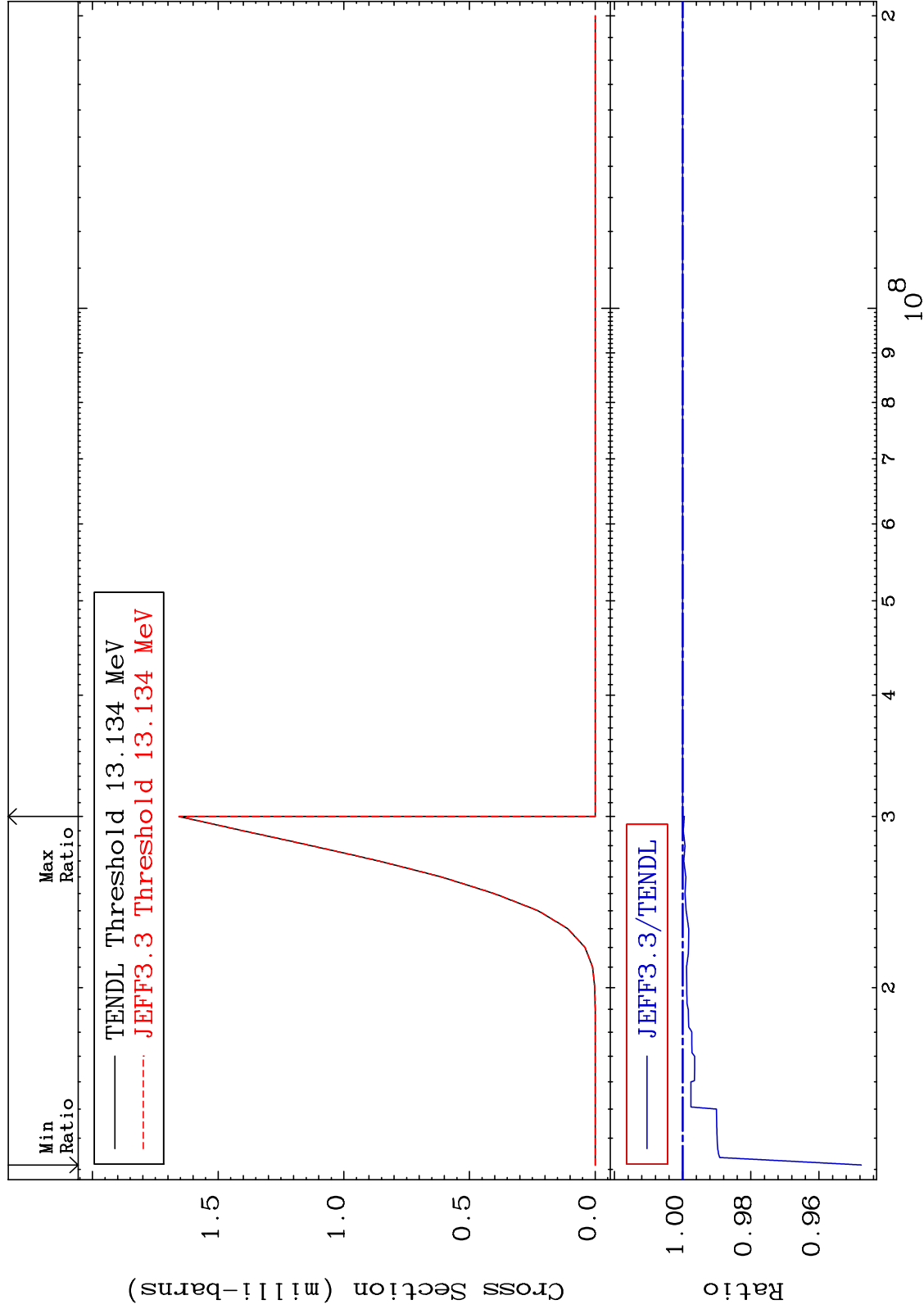
68-Er-168

MAT 6843

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

68-Er-168

Radionuclide Production Cross Section -5.243 To 0.000 %

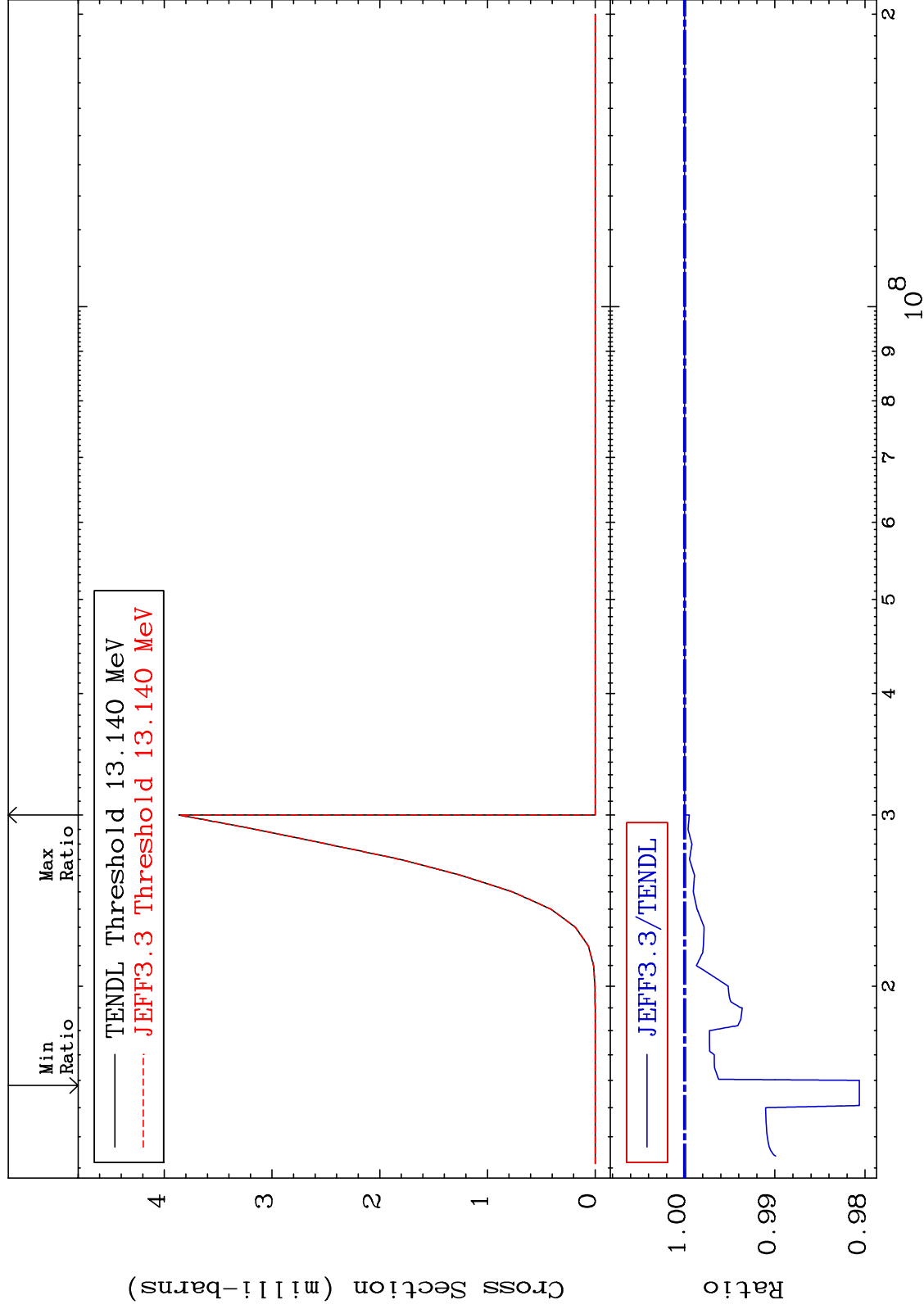


MAT 6843

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

68-Er-168

Radionuclide Production Cross Section -1.937 To 0.000 %

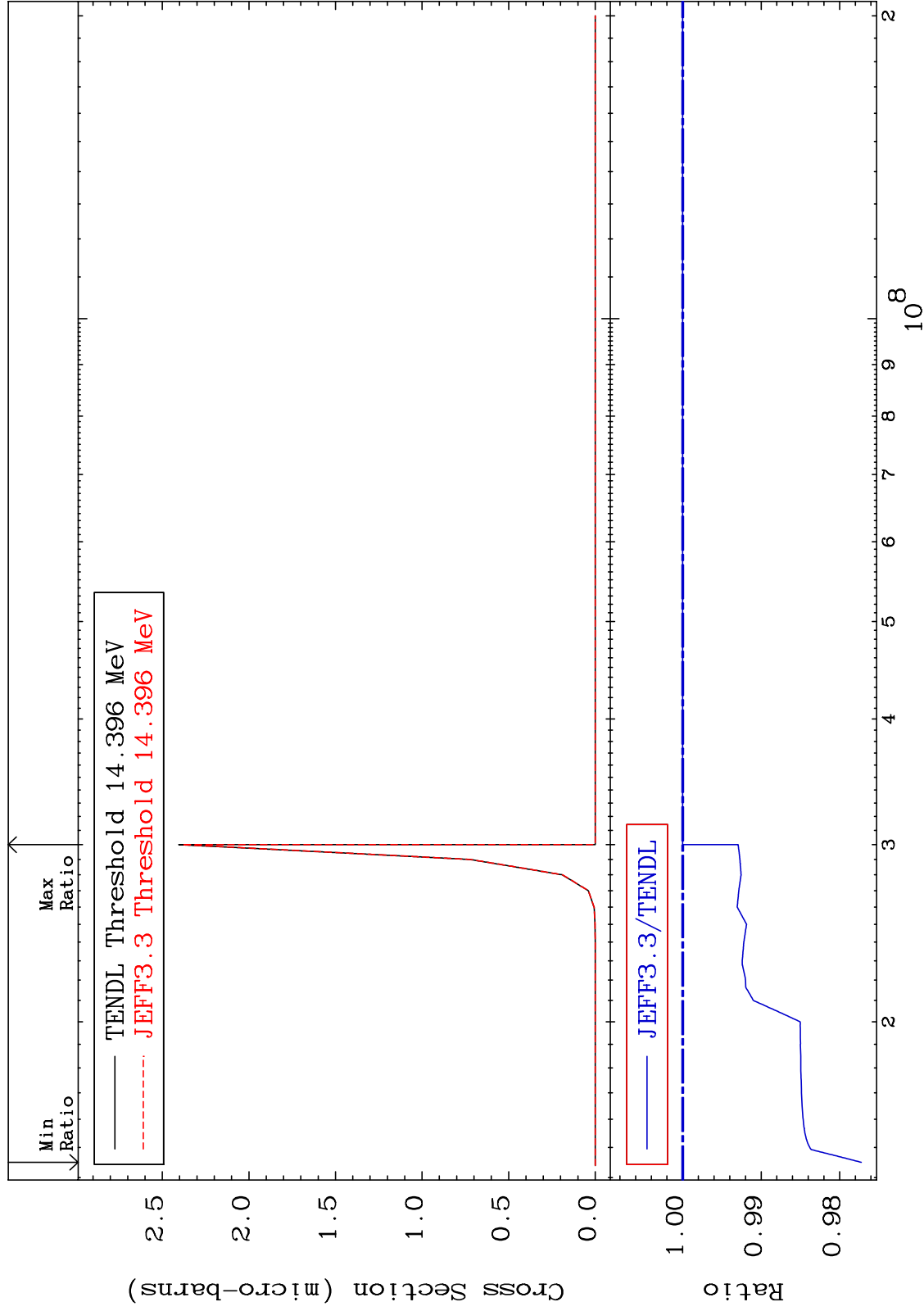


MAT 6843

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

68-Er-168

Radionuclide Production Cross Section -2.277 To 0.000 %

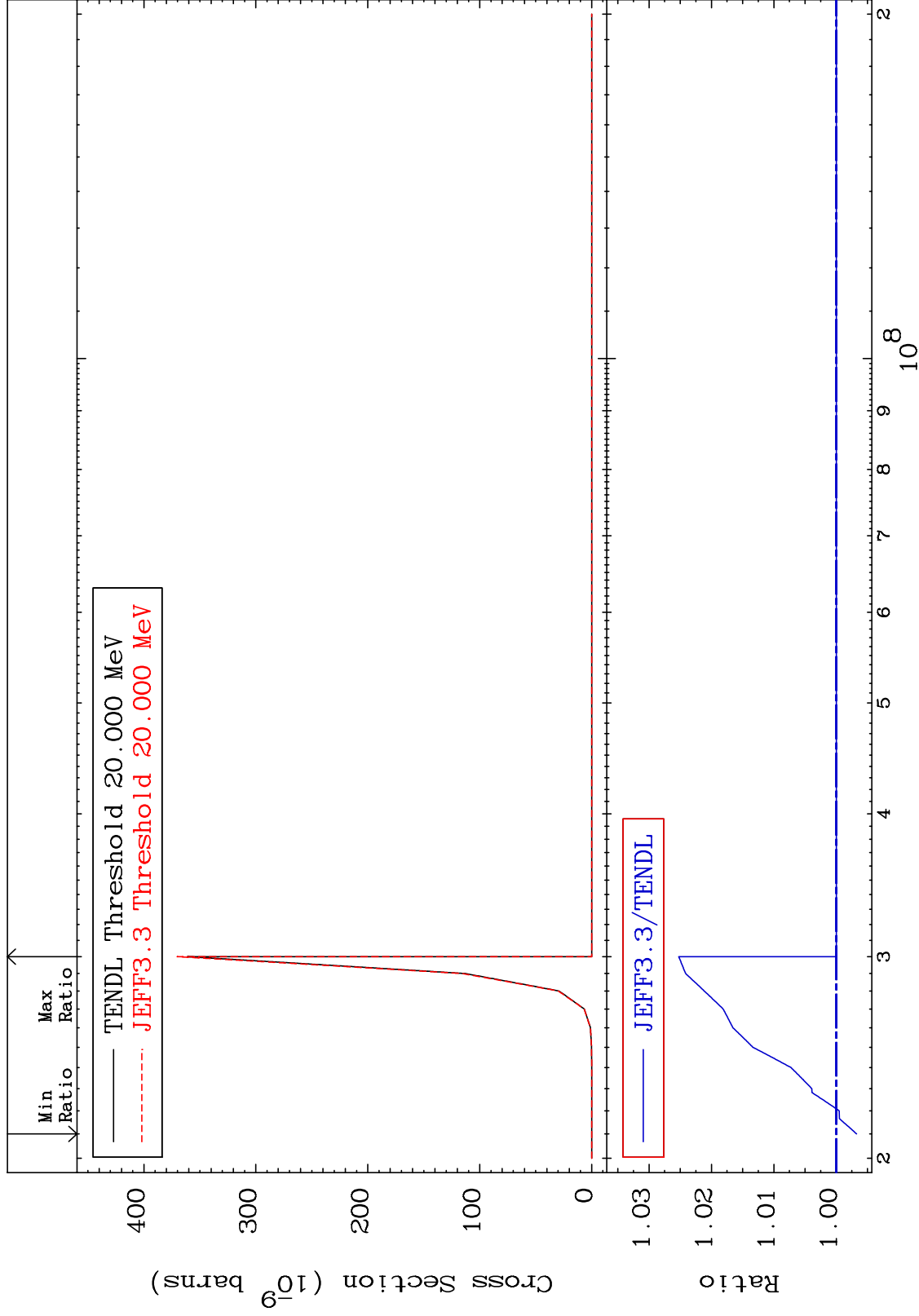


MAT 6843

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

68-Er-168

Radionuclide Production Cross Section -0.326 To 2.524 %



82

Incident Energy (eV)

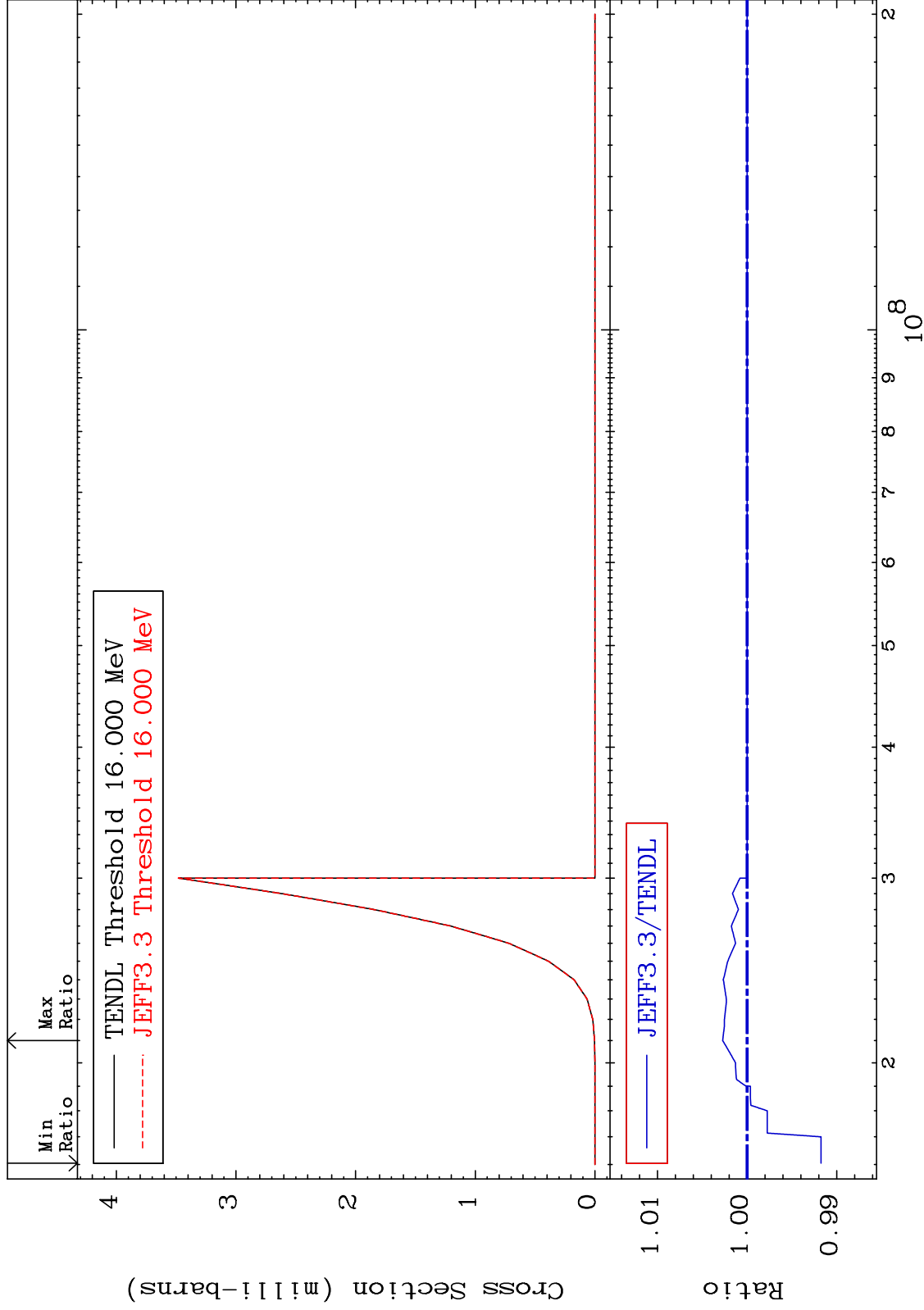
68-Er-168

MAT 6843

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

68-Er-168

Radionuclide Production Cross Section -0.824 To 0.273 %



83

Incident Energy (eV)

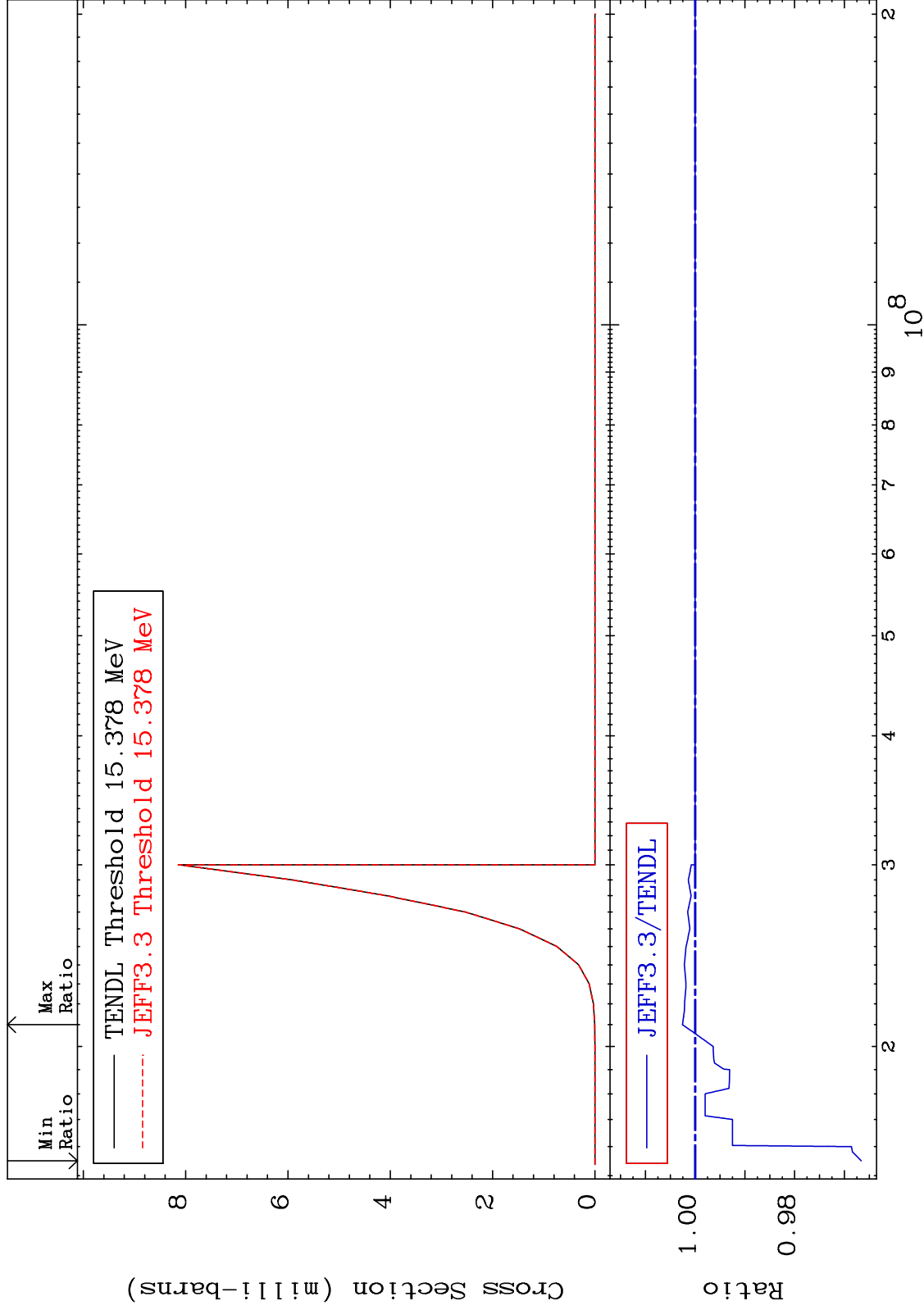
68-Er-168

MAT 6843

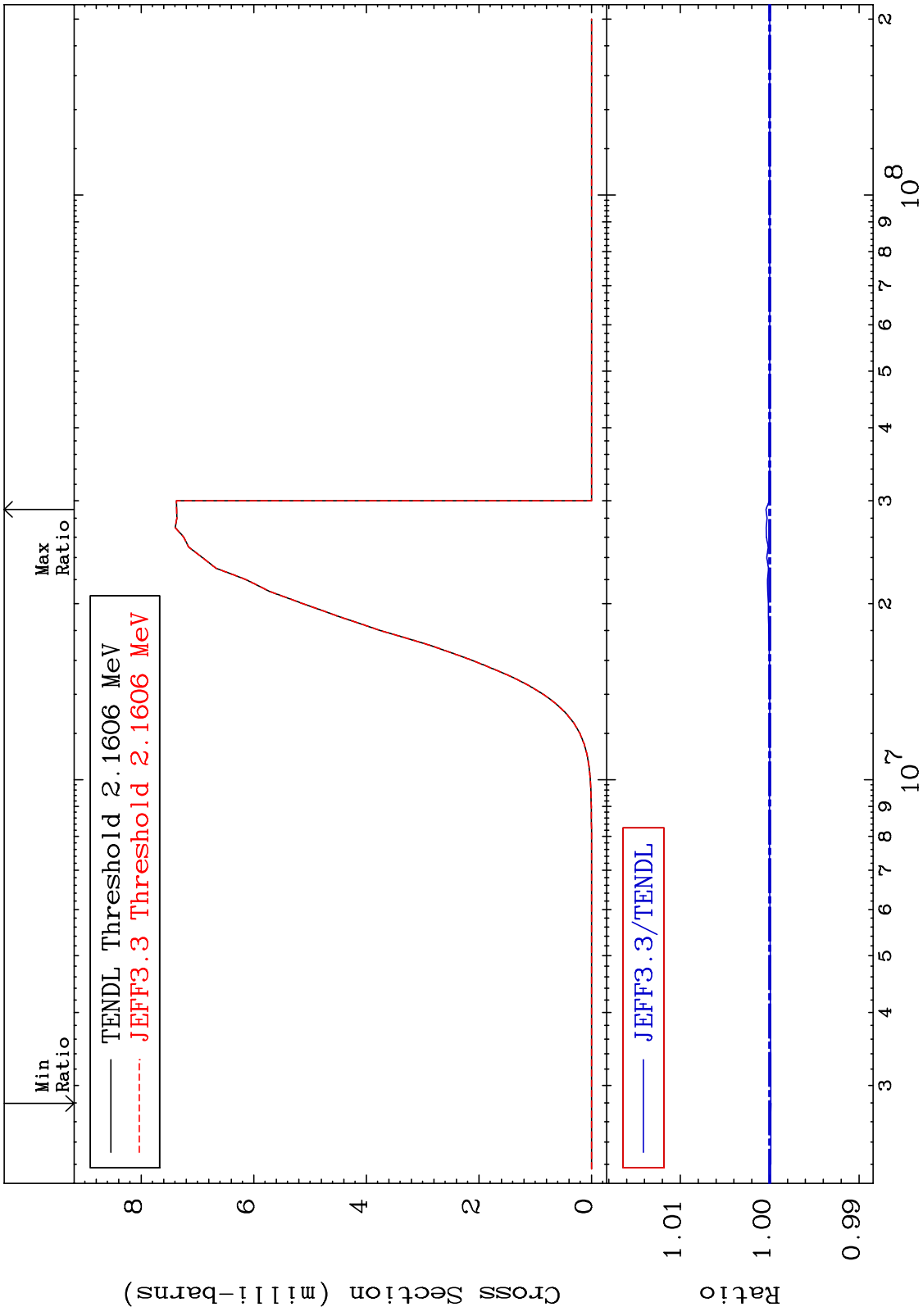
(n,2n) p:67-Ho-166m1

68-Er-168

Radionuclide Production Cross Section -3.339 To 0.255 %



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

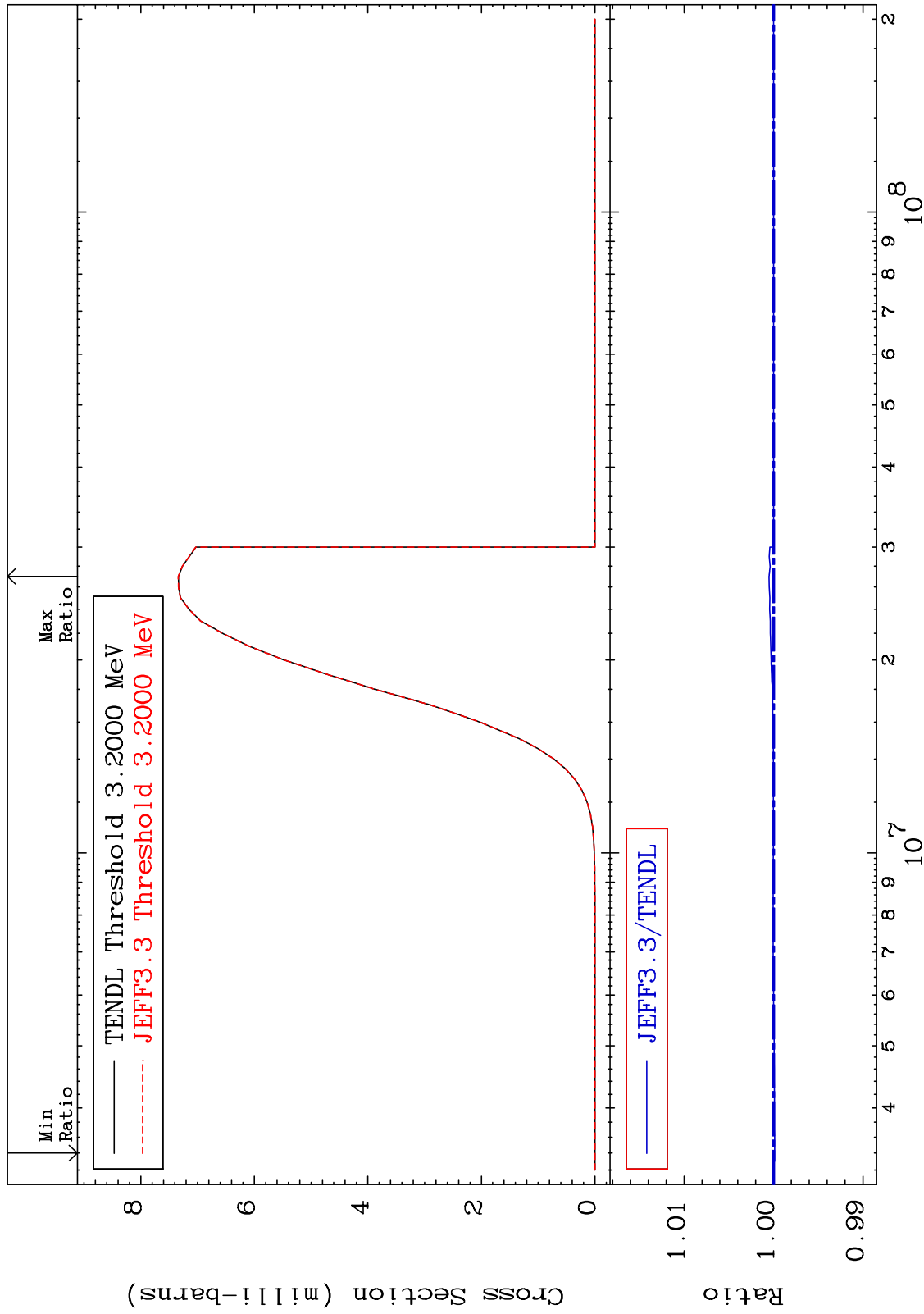


MAT 6843

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

68-Er-168

Radionuclide Production Cross Section -0.014 To 0.050 %

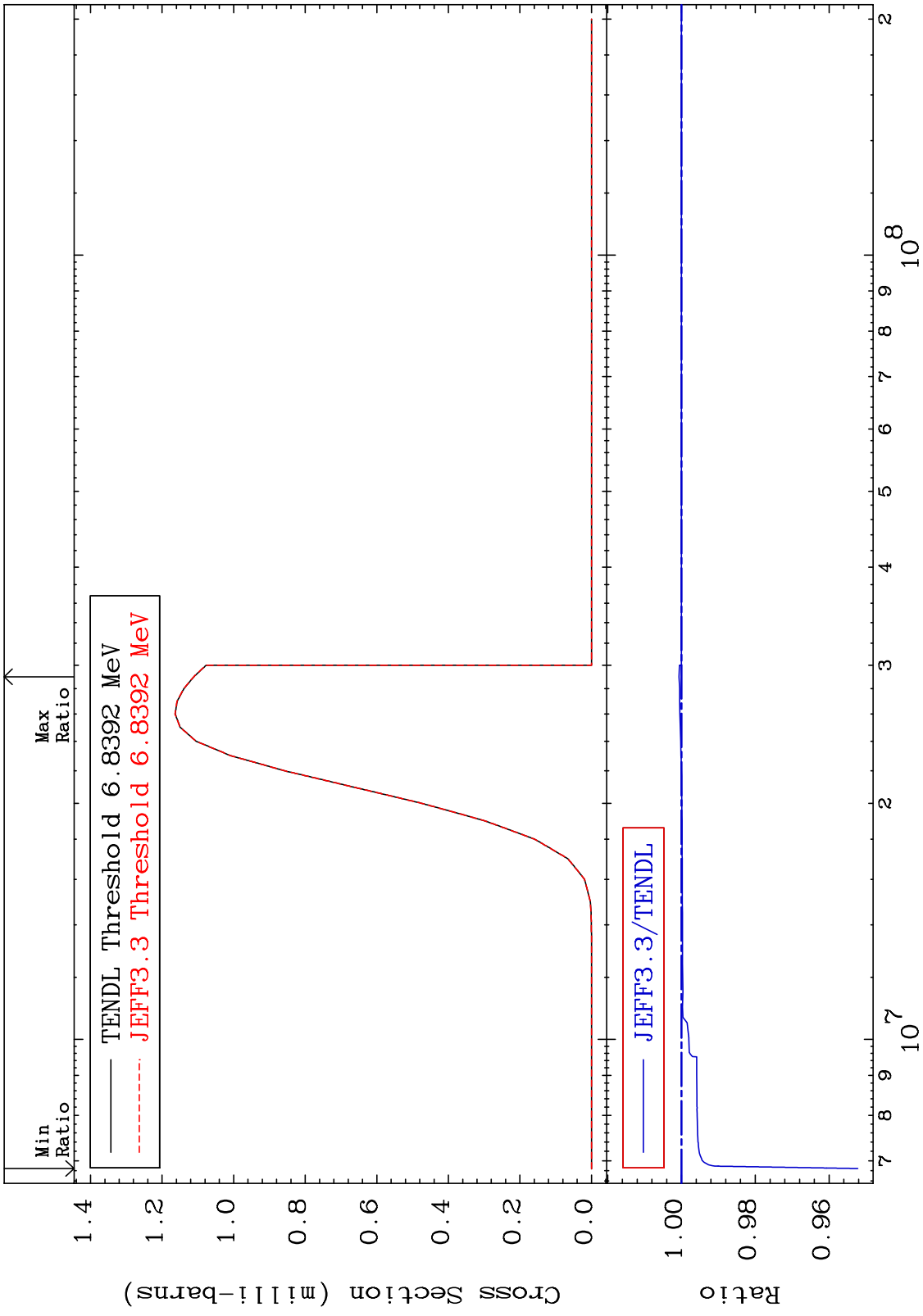


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Incident Energy (eV)

68-Er-168

MAT 6843 (n,t):67-Ho-166g 68-Er-168
 Radionuclide Production Cross Section -4.779 To 0.065 %



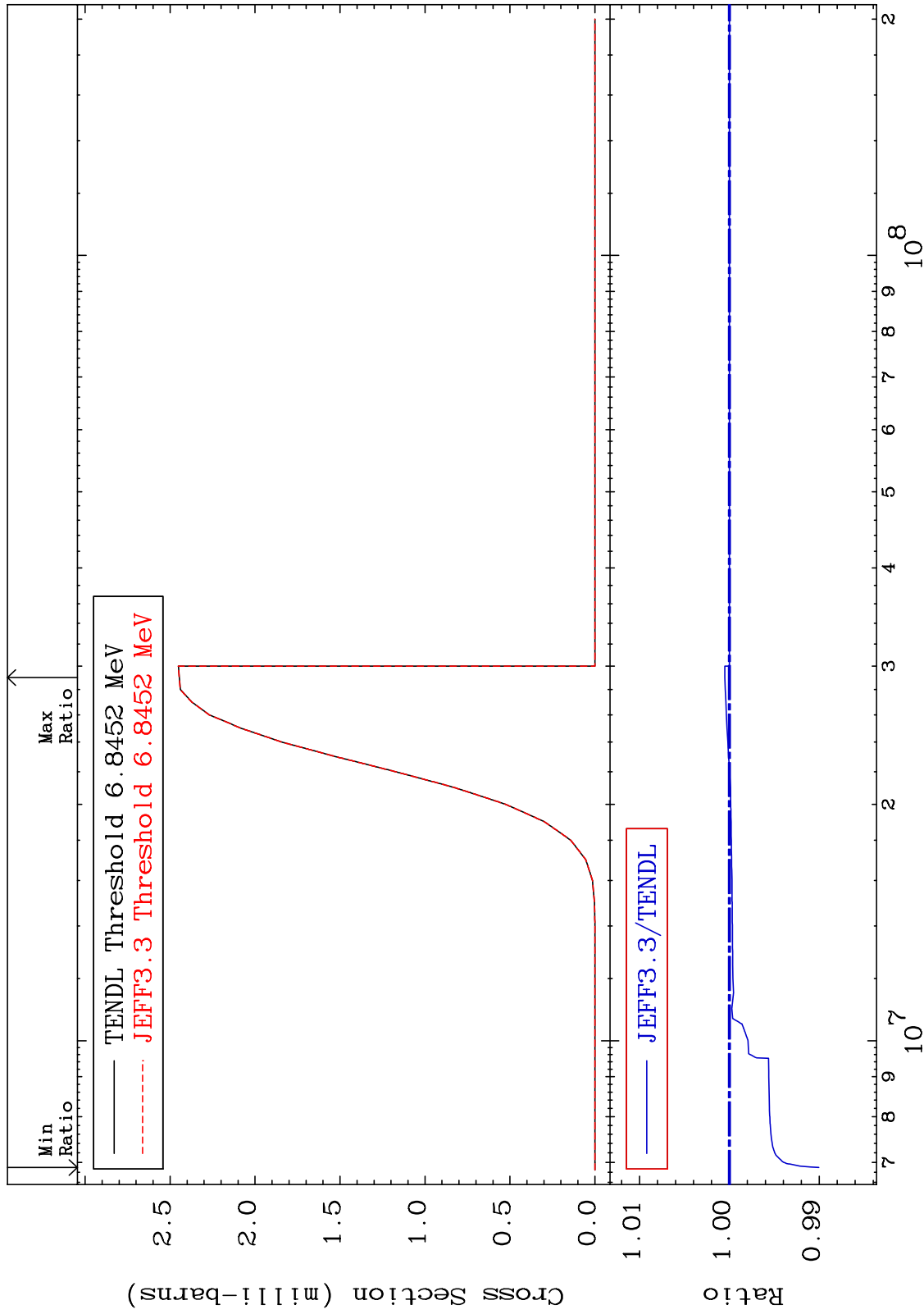
87 68-Er-168

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