

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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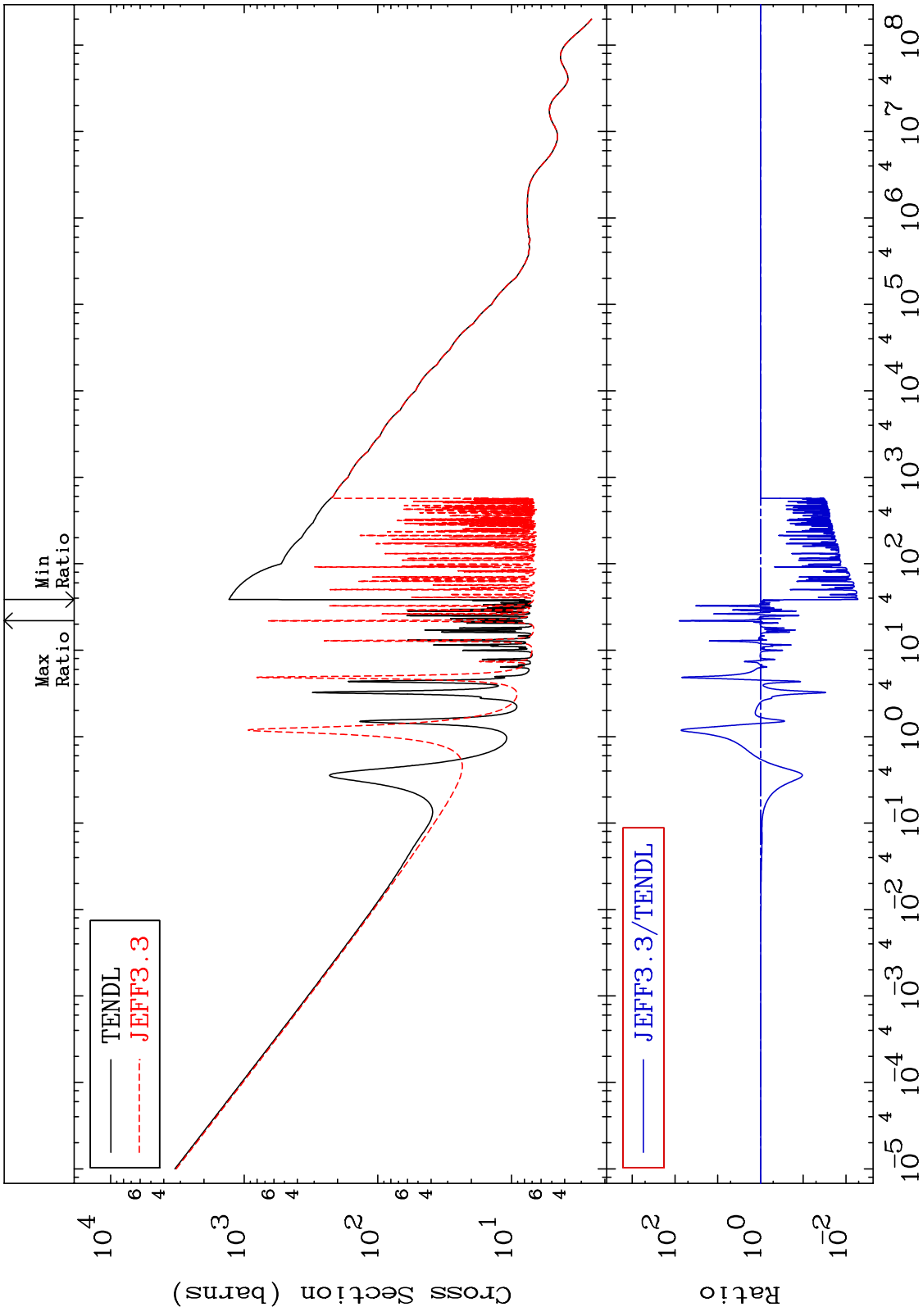
U.S.A.

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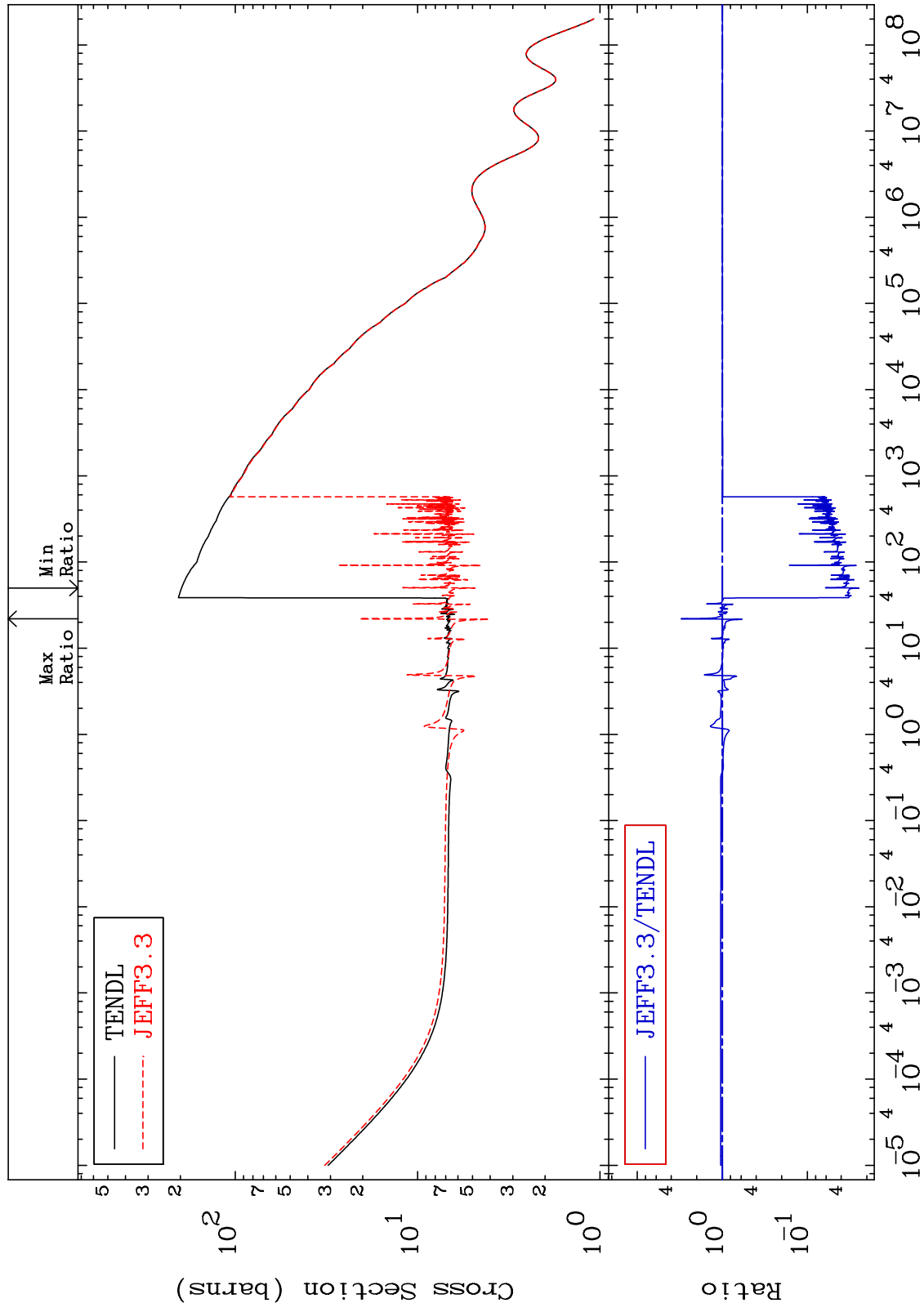
Press Mouse Button to Start

MAT 6719 67-Ho-163
Total Cross Section -99.47 To 7928. %



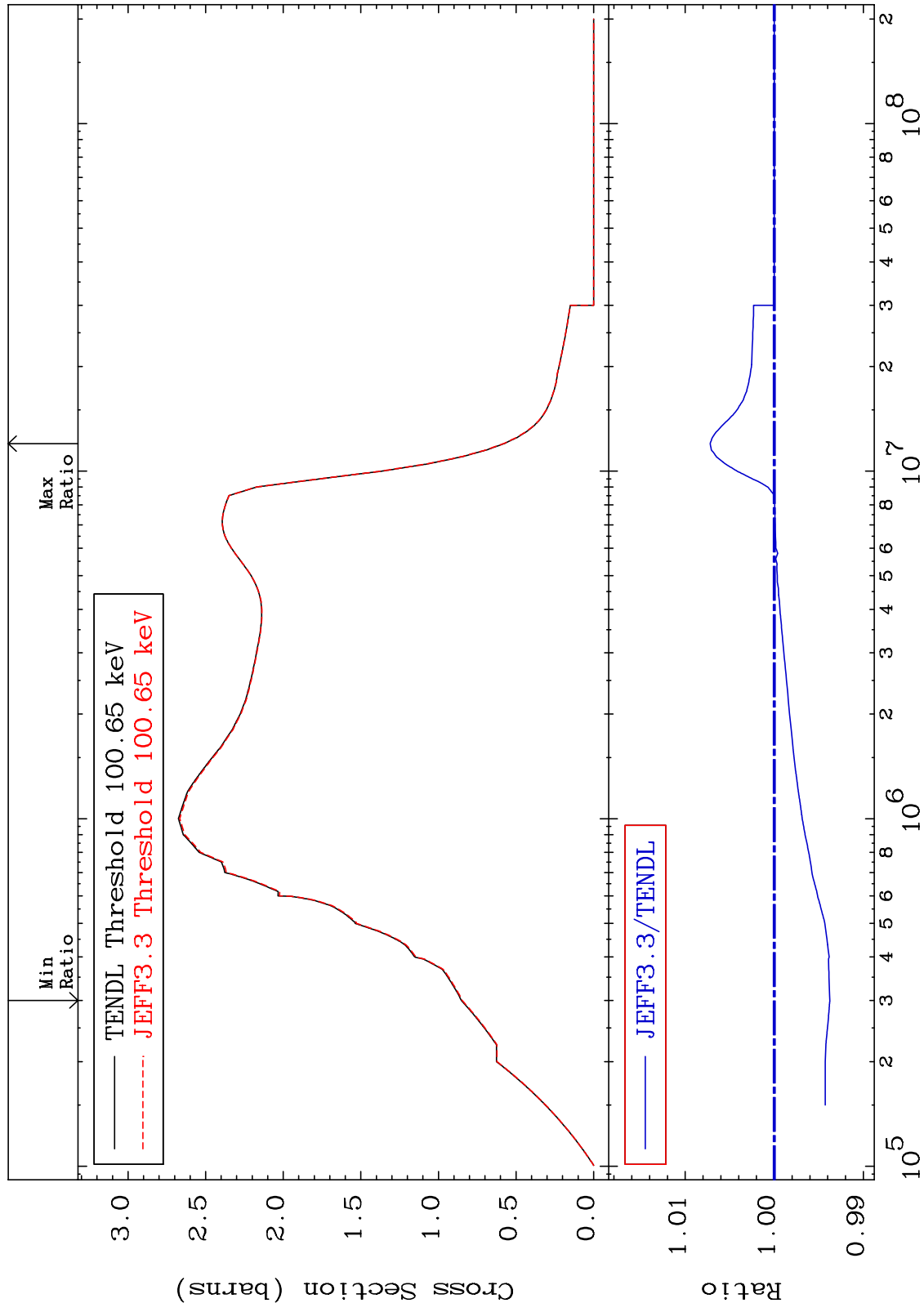
1 Incident Energy (eV) 67-Ho-163

MAT 6719 Elastic Cross Section 67-Ho-163 -97.54 To 207.2 %



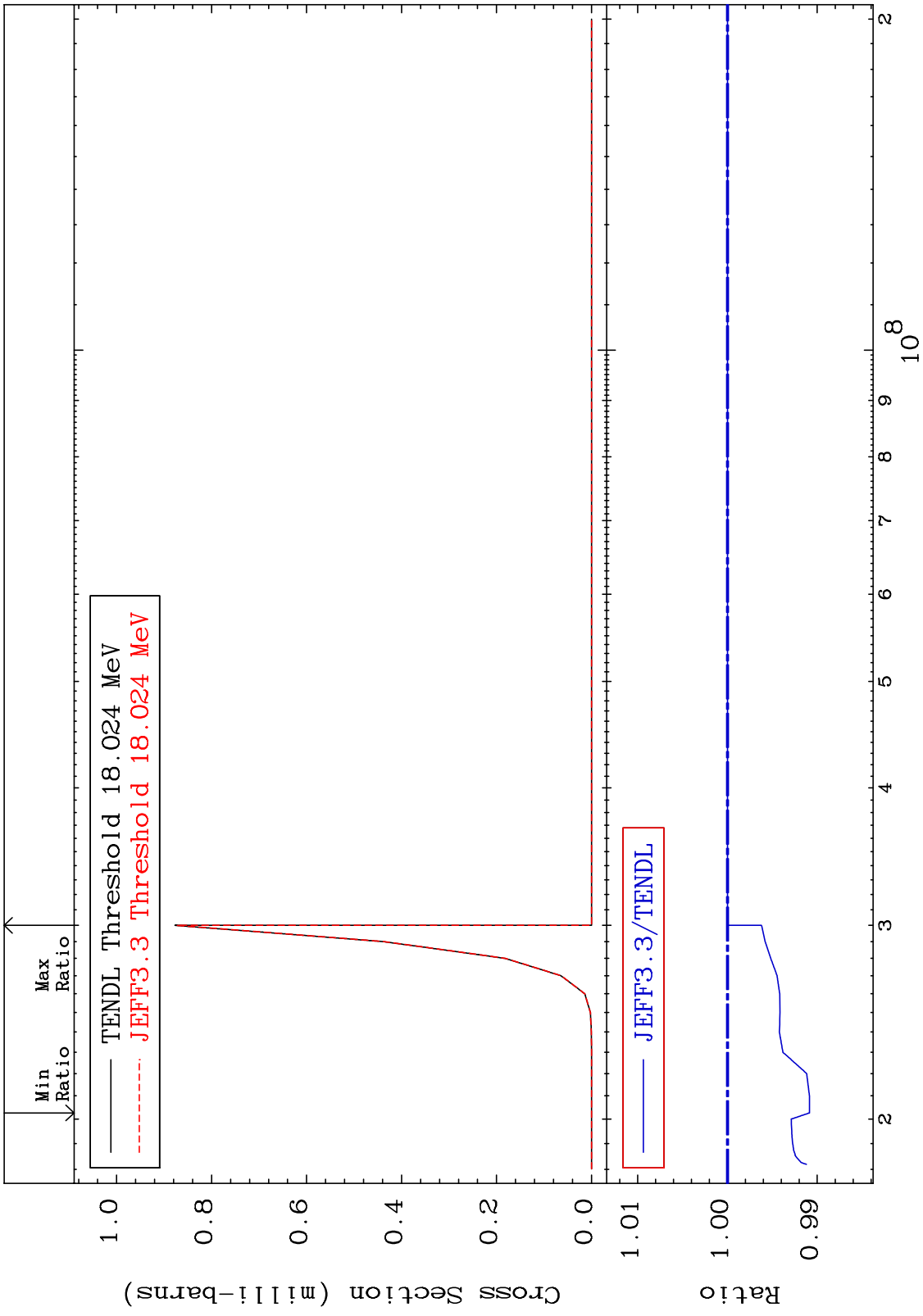
Incident Energy (eV) 67-Ho-163

MAT 6719 67-Ho-163
Inelastic -0.623 To 0.721 %
Cross Section

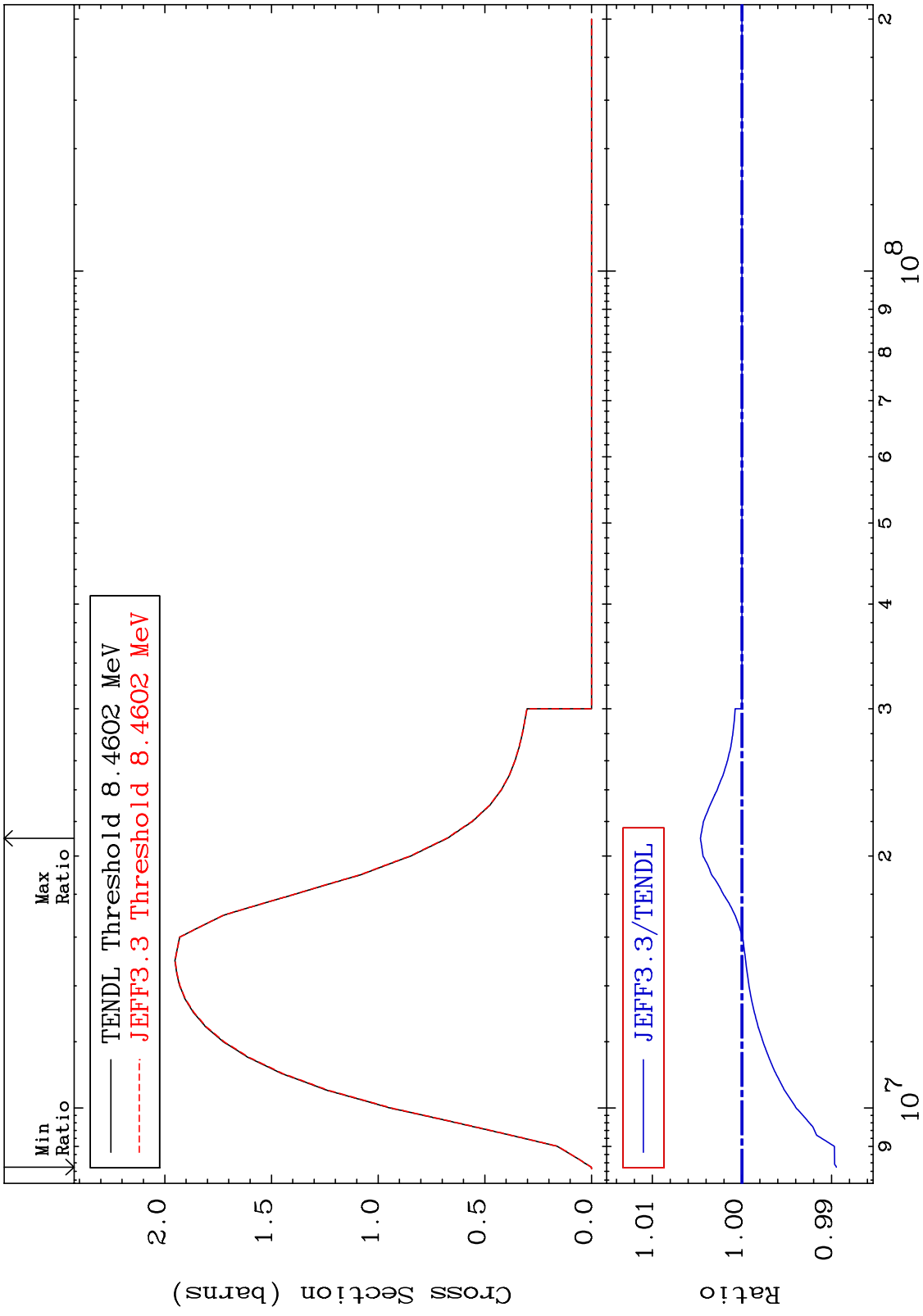


67-Ho-163

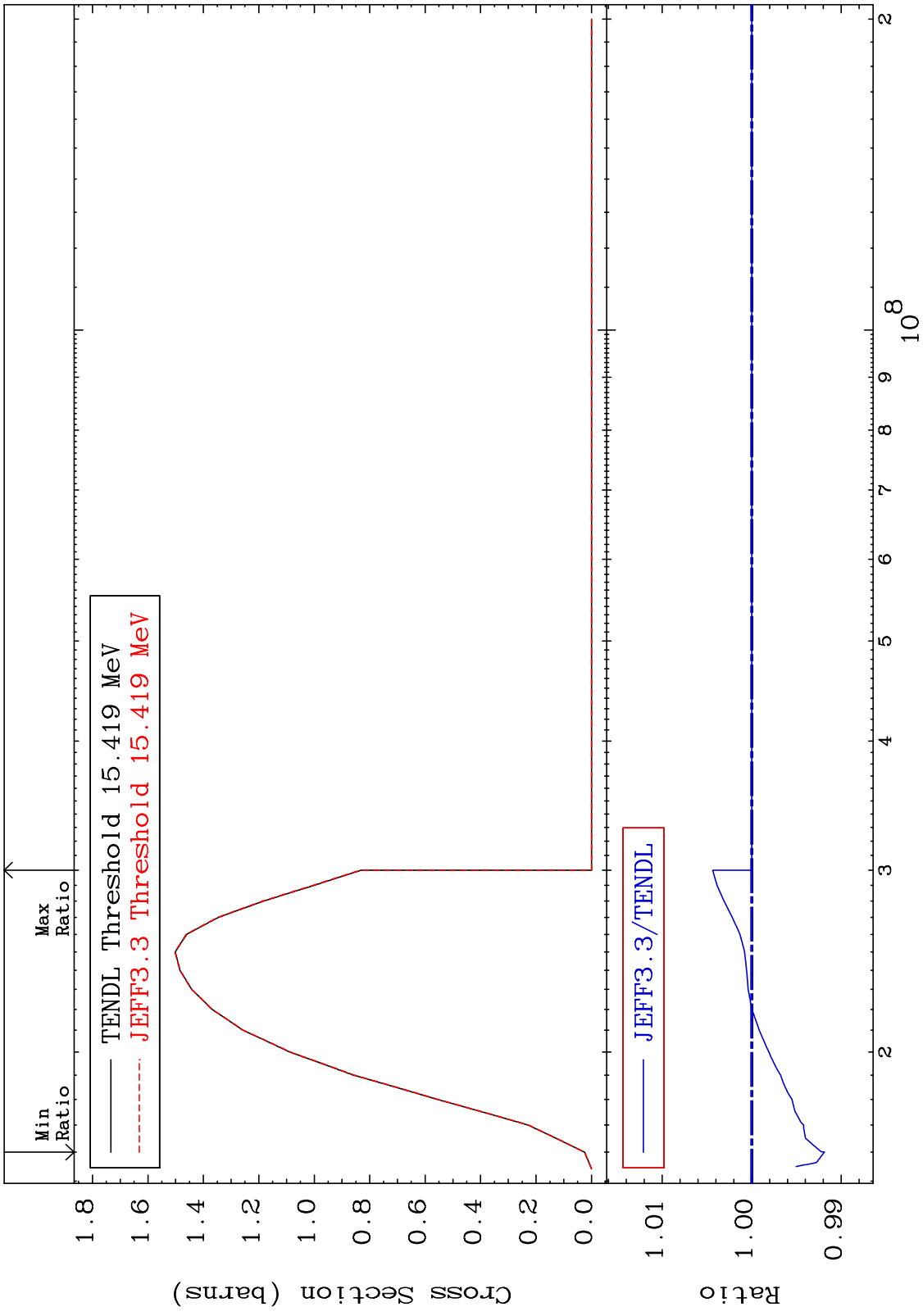
MAT 6719 (n,2n) d 67-Ho-163
 Cross Section -0.913 To 0.000 %



MAT 6719 $^{67}\text{Ho-163}$ (n,2n) Cross Section -1.054 To 0.463 %



5 Incident Energy (eV) $^{67}\text{Ho-163}$



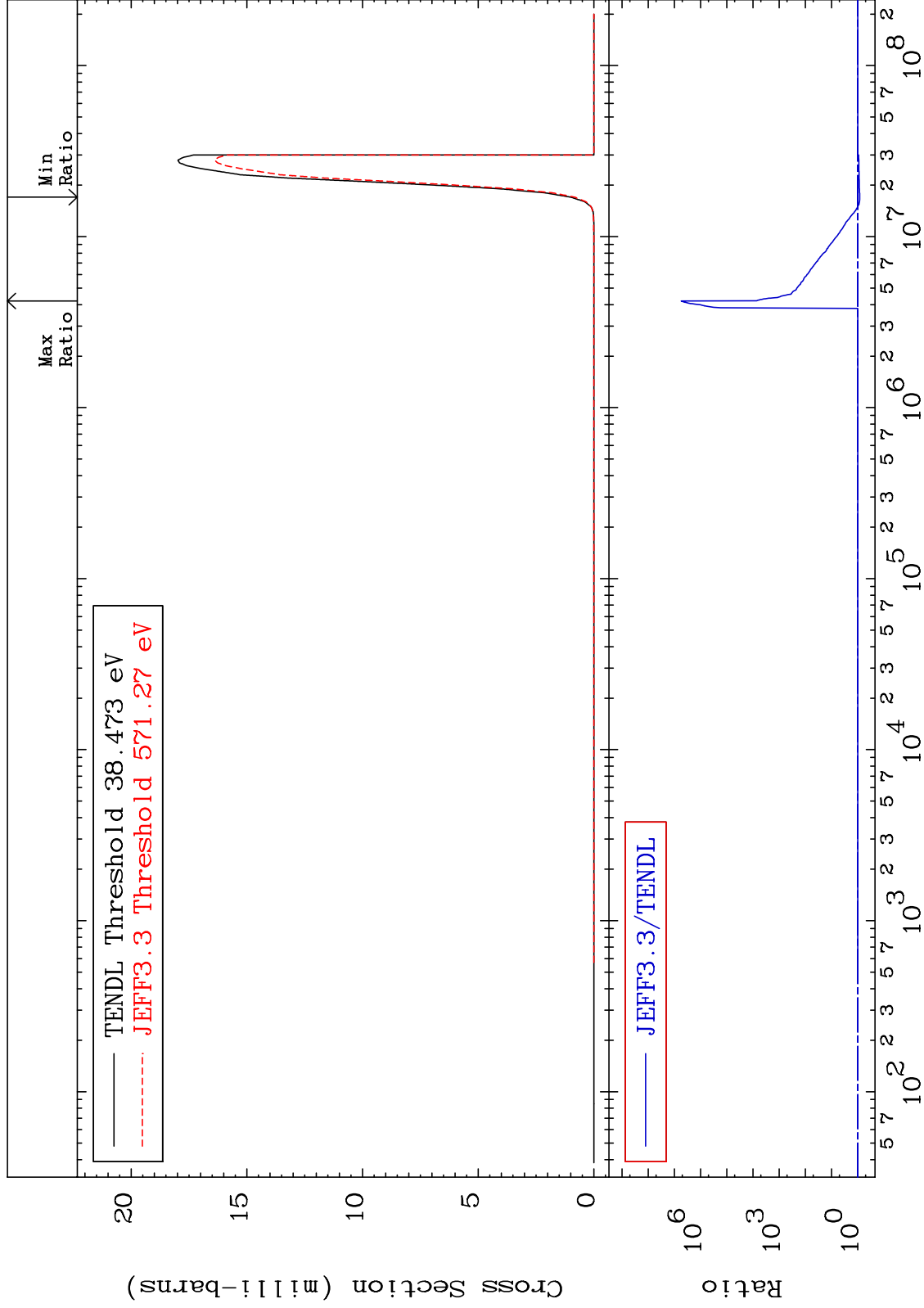
MAT 6719

(n, n') α

67-Ho-163

Cross Section

-16.57 To 9999. %

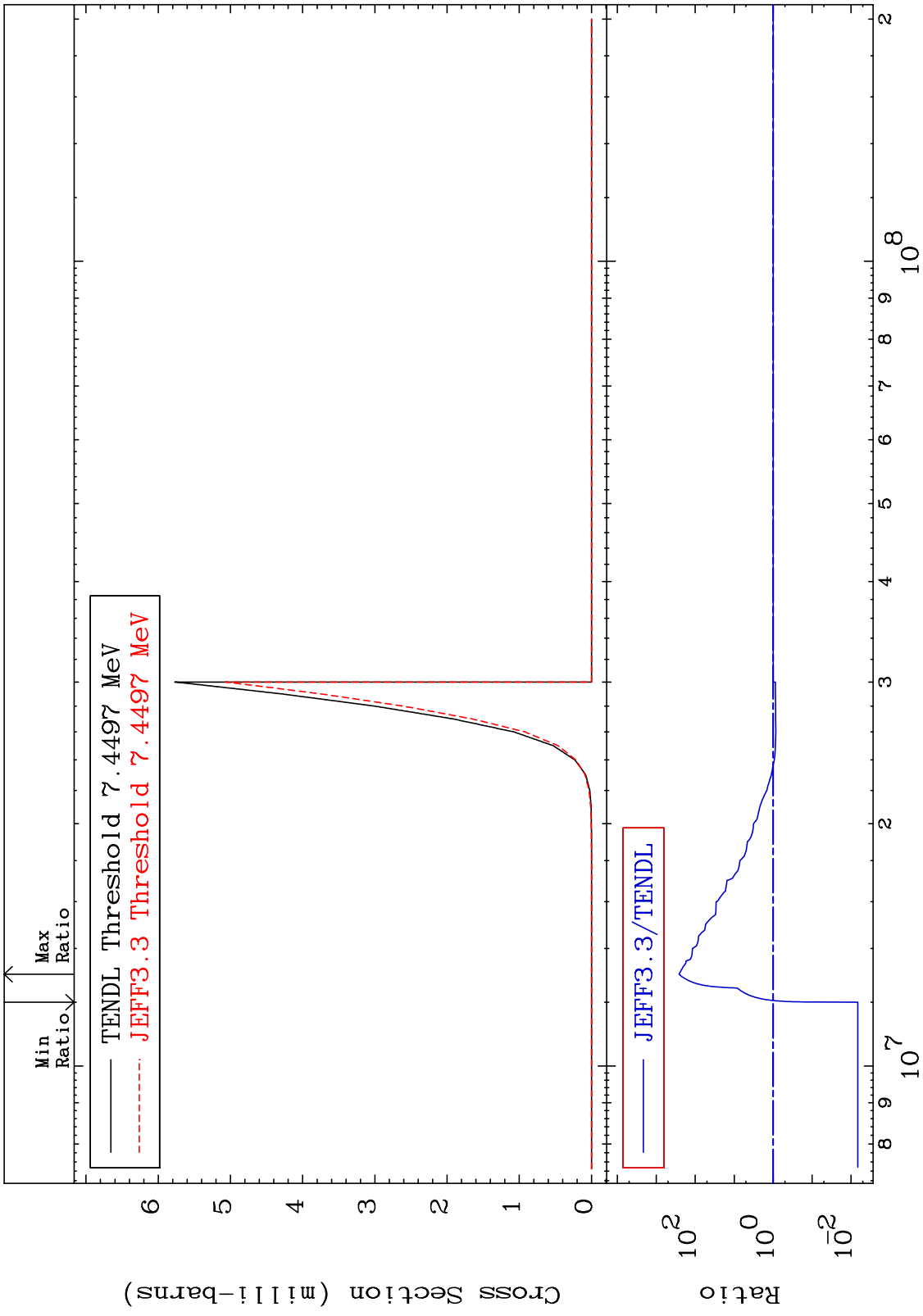


7

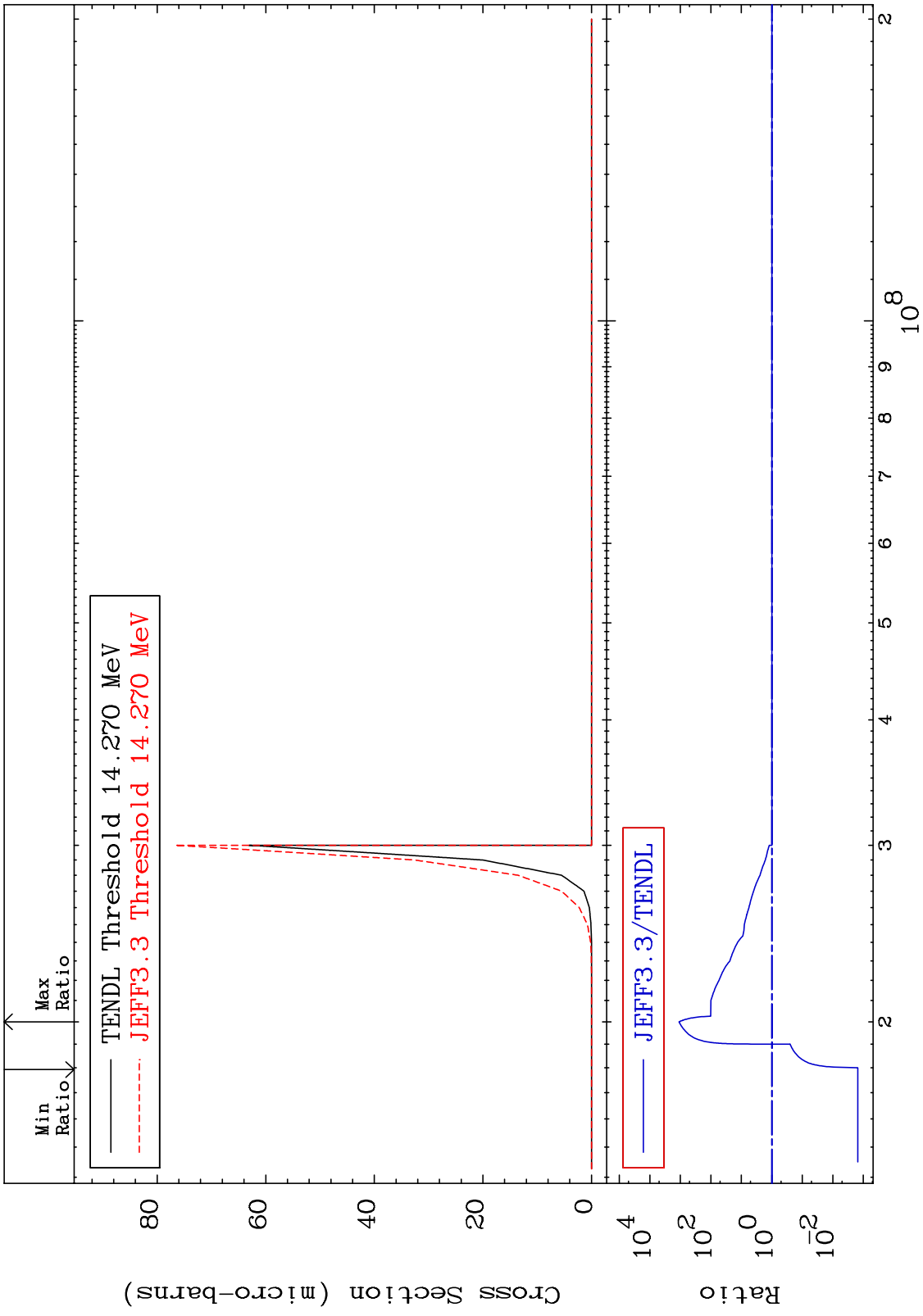
Incident Energy (eV)

67-Ho-163

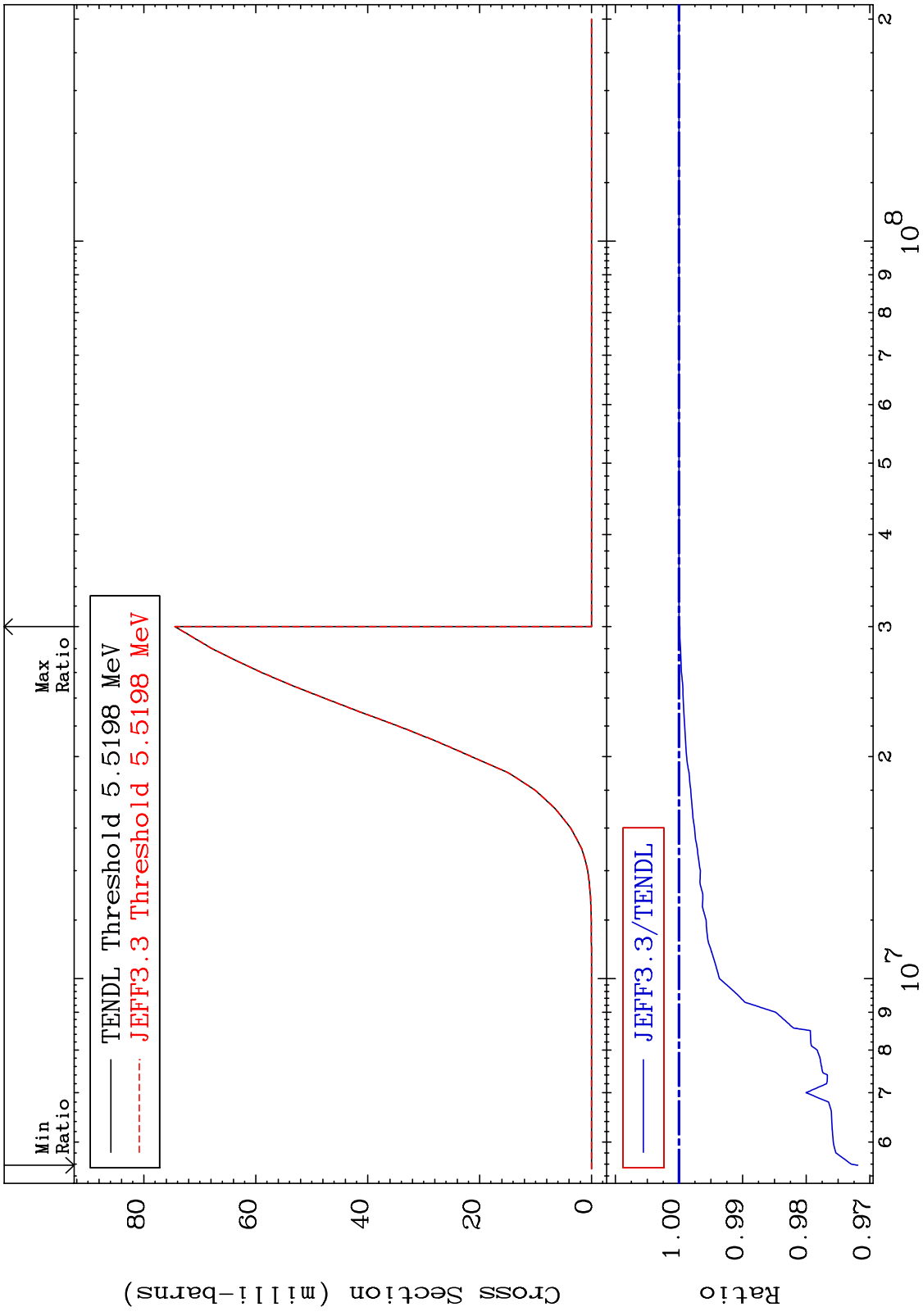
MAT 6719 $(n, 2n) \alpha$ $^{67}\text{Ho-163}$
 Cross Section -99.33 To 9999. %



MAT 6719 (n,3n) α 67-Ho-163
 Cross Section -99.85 To 9999. %

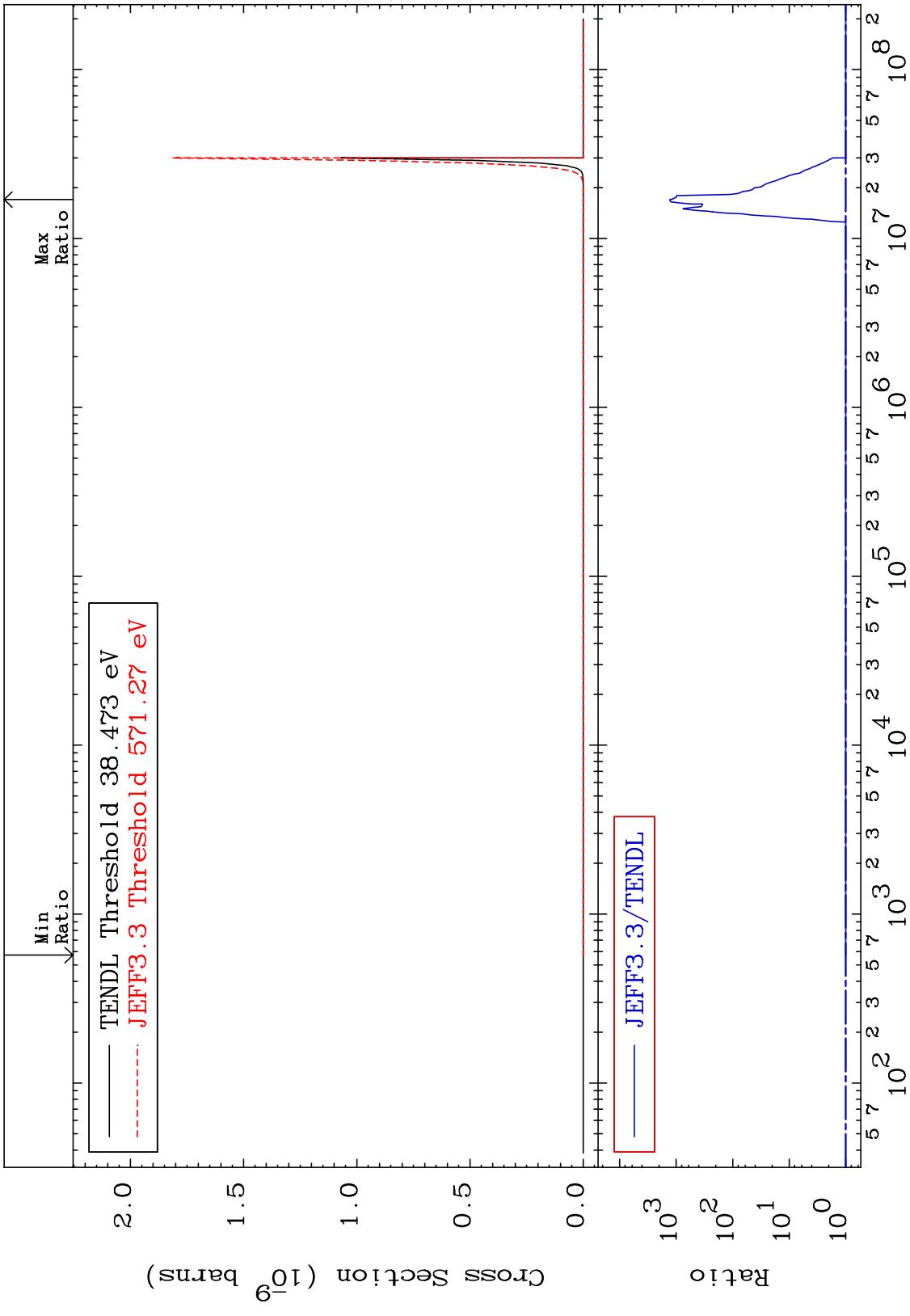


MAT 6719 $^{67}\text{Ho-163}$ (n,n') p Cross Section -2.810 To 0.000 %

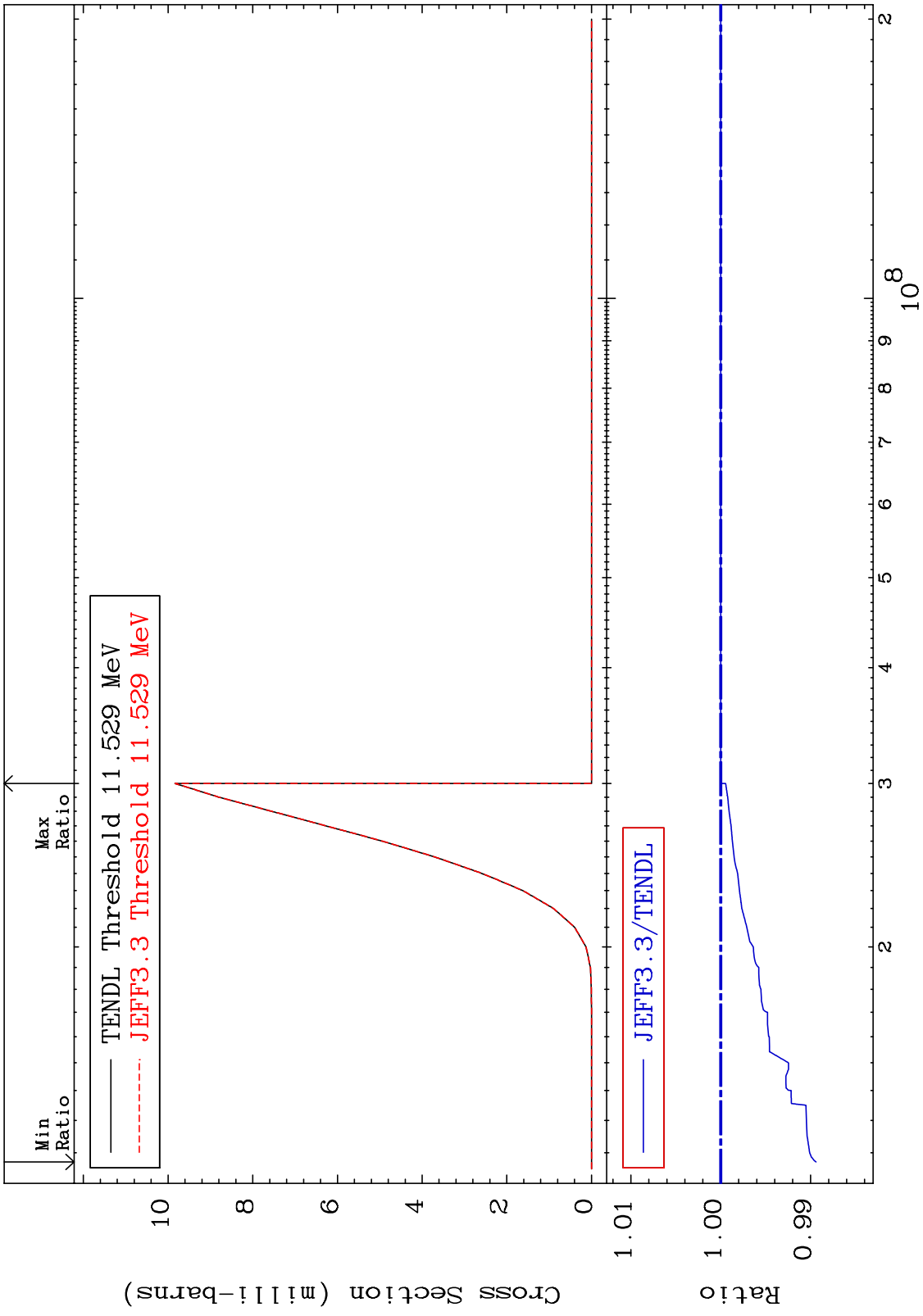


67-Ho-163

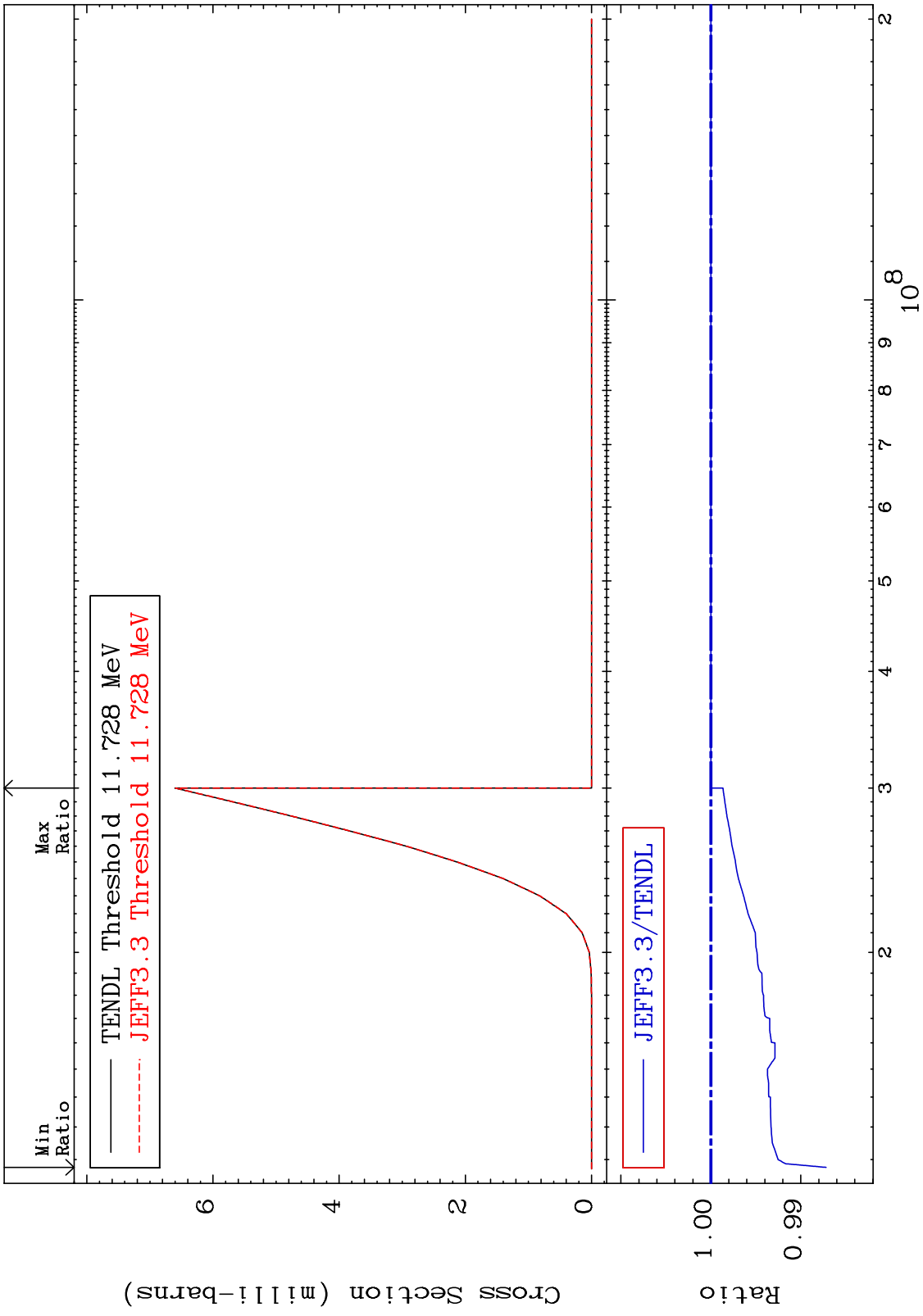
MAT 6719 (n,n') 2α Cross Section 67-Ho-163 To 9999. %



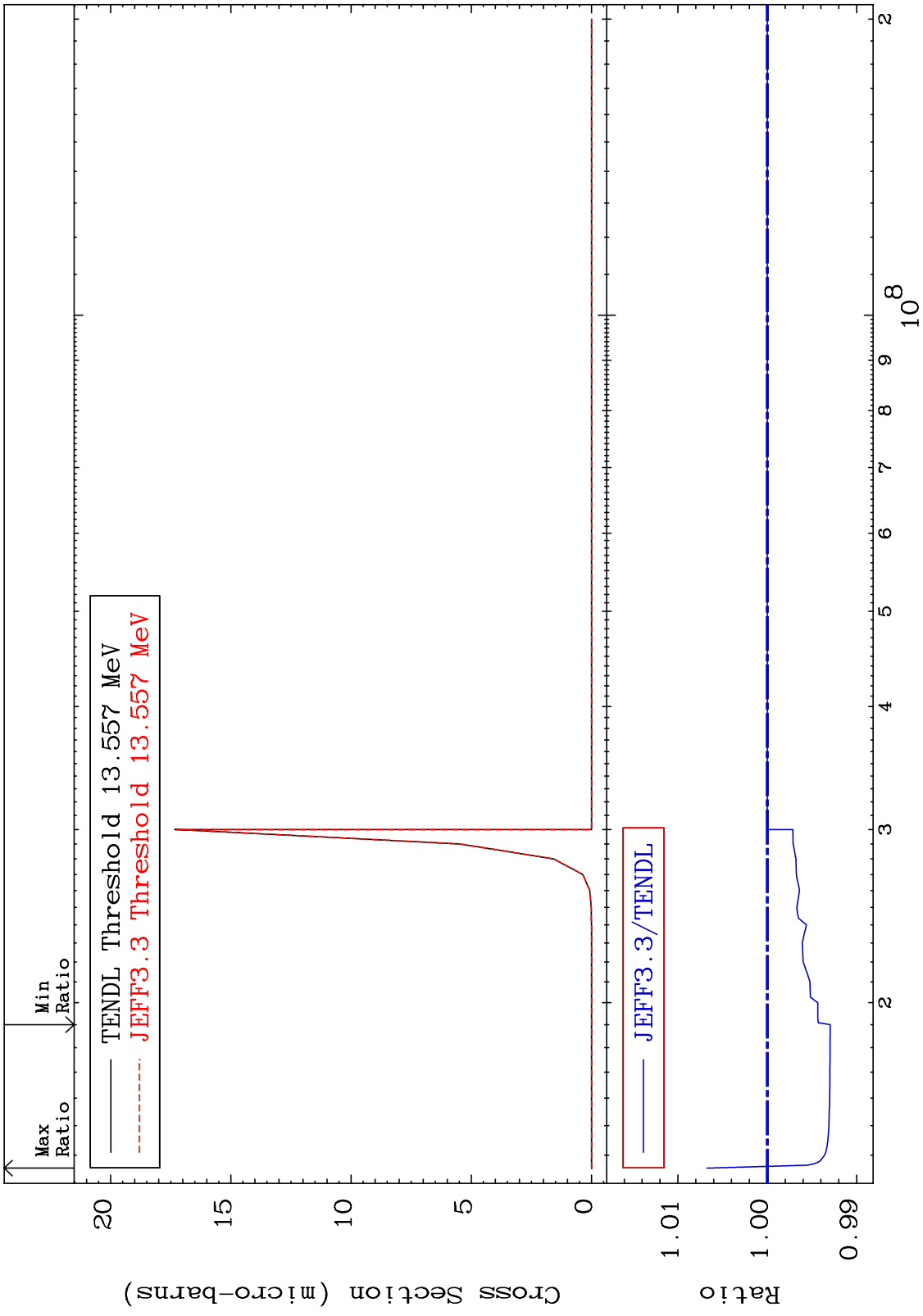
MAT 6719 $(n, n') d$ $^{67}\text{Ho}-163$
 Cross Section -1.061 To 0.000 %

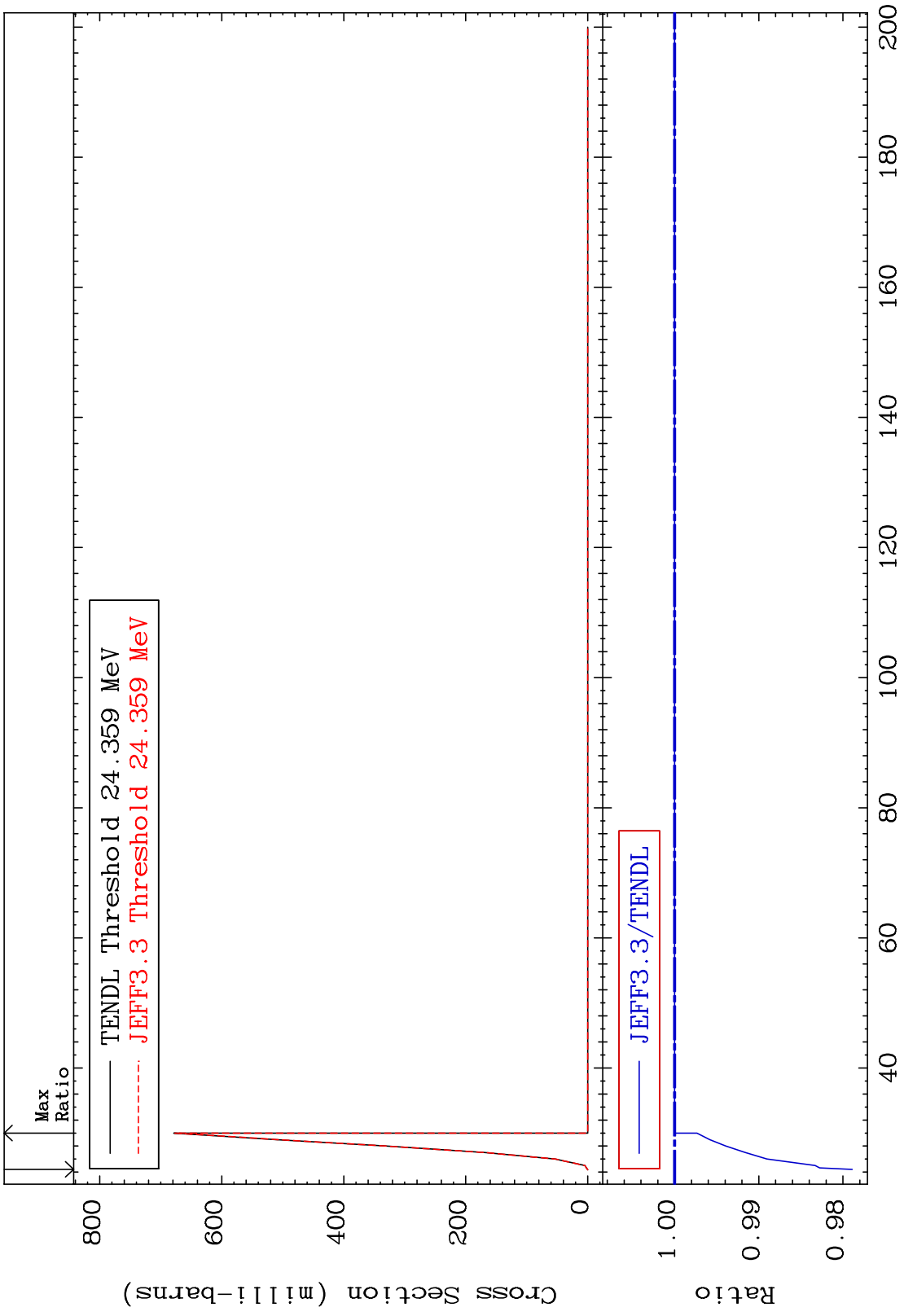


MAT 6719 (n,n') t 67-Ho-163
 Cross Section -1.280 To 0.000 %

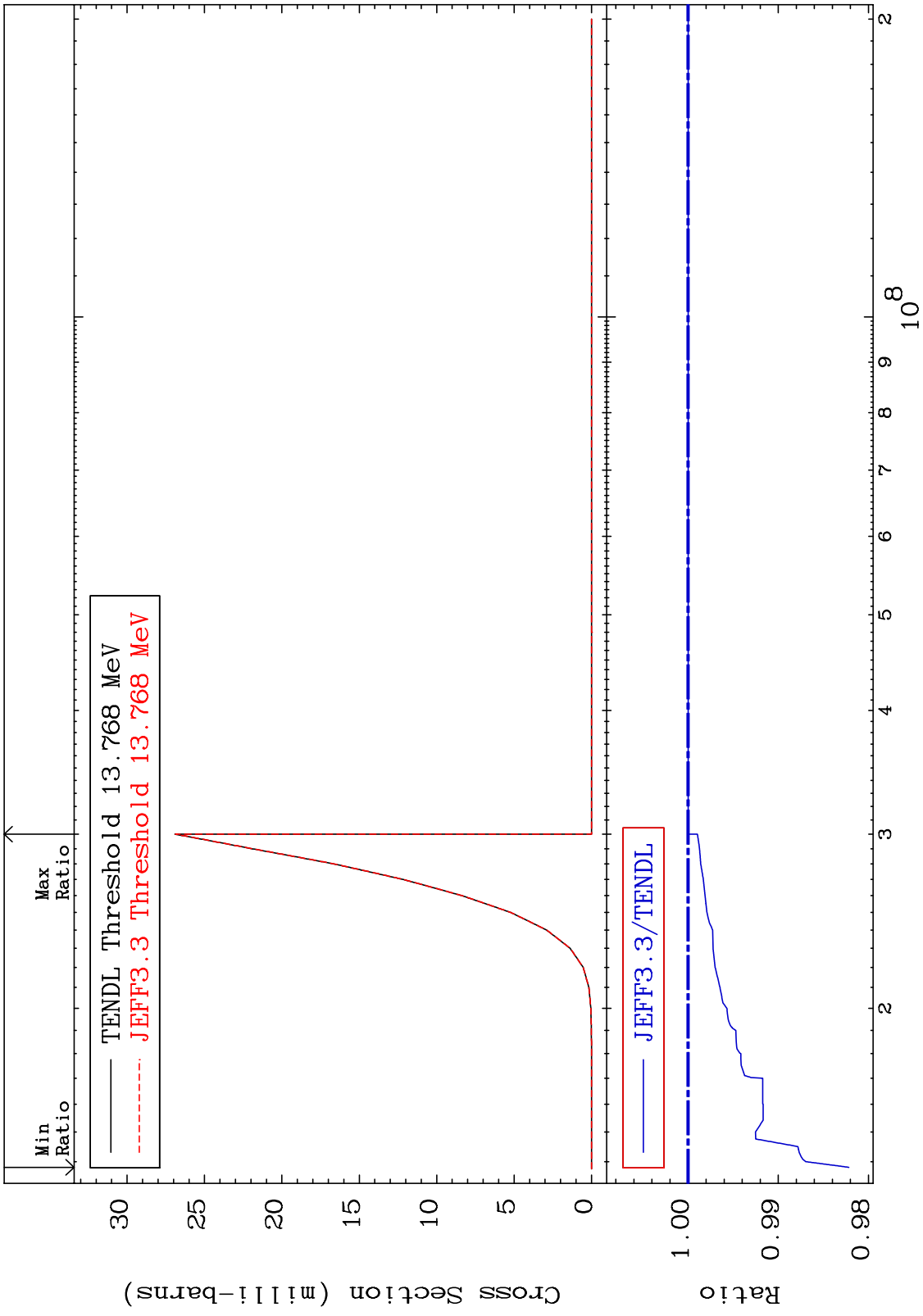


MAT 6719 (n, n') He-3 67-Ho-163
 Cross Section -0.703 To 0.677 %

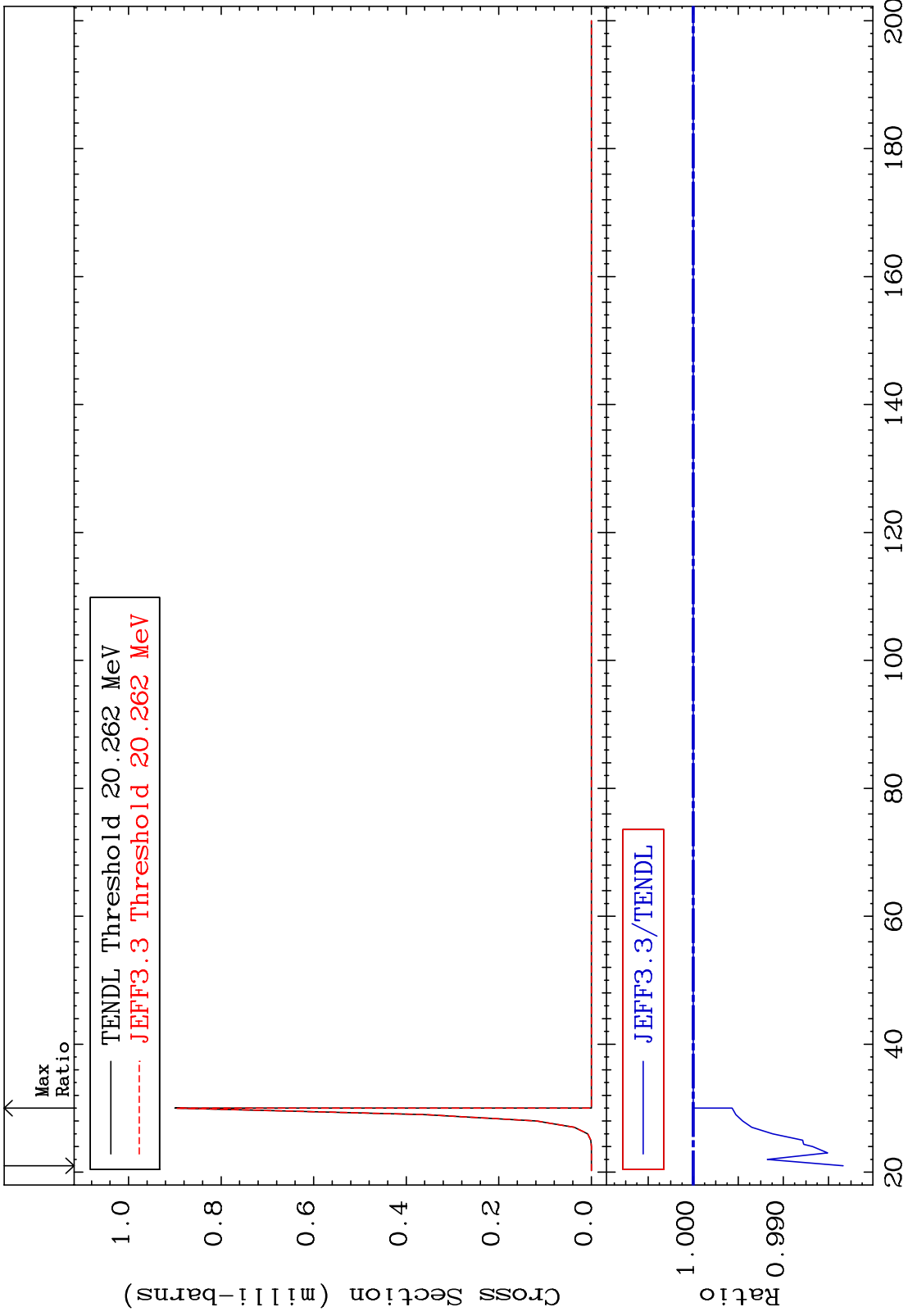




MAT 6719 (n,2n) p 67-Ho-163
 Cross Section -1.782 To 0.000 %

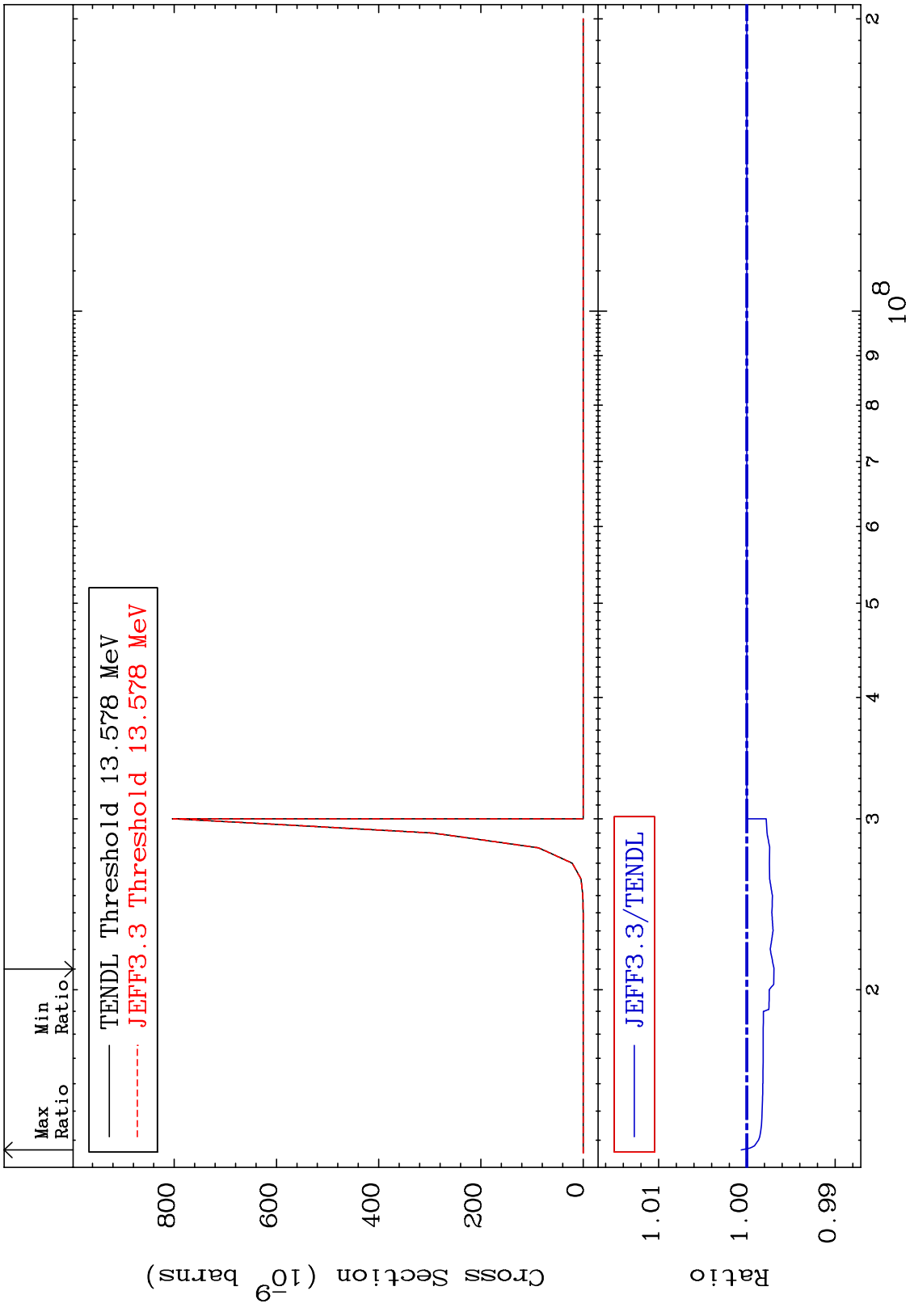


MAT 6719 (n,3n) p 67-Ho-163
Cross Section -1.664 To 0.000 %



17 67-Ho-163

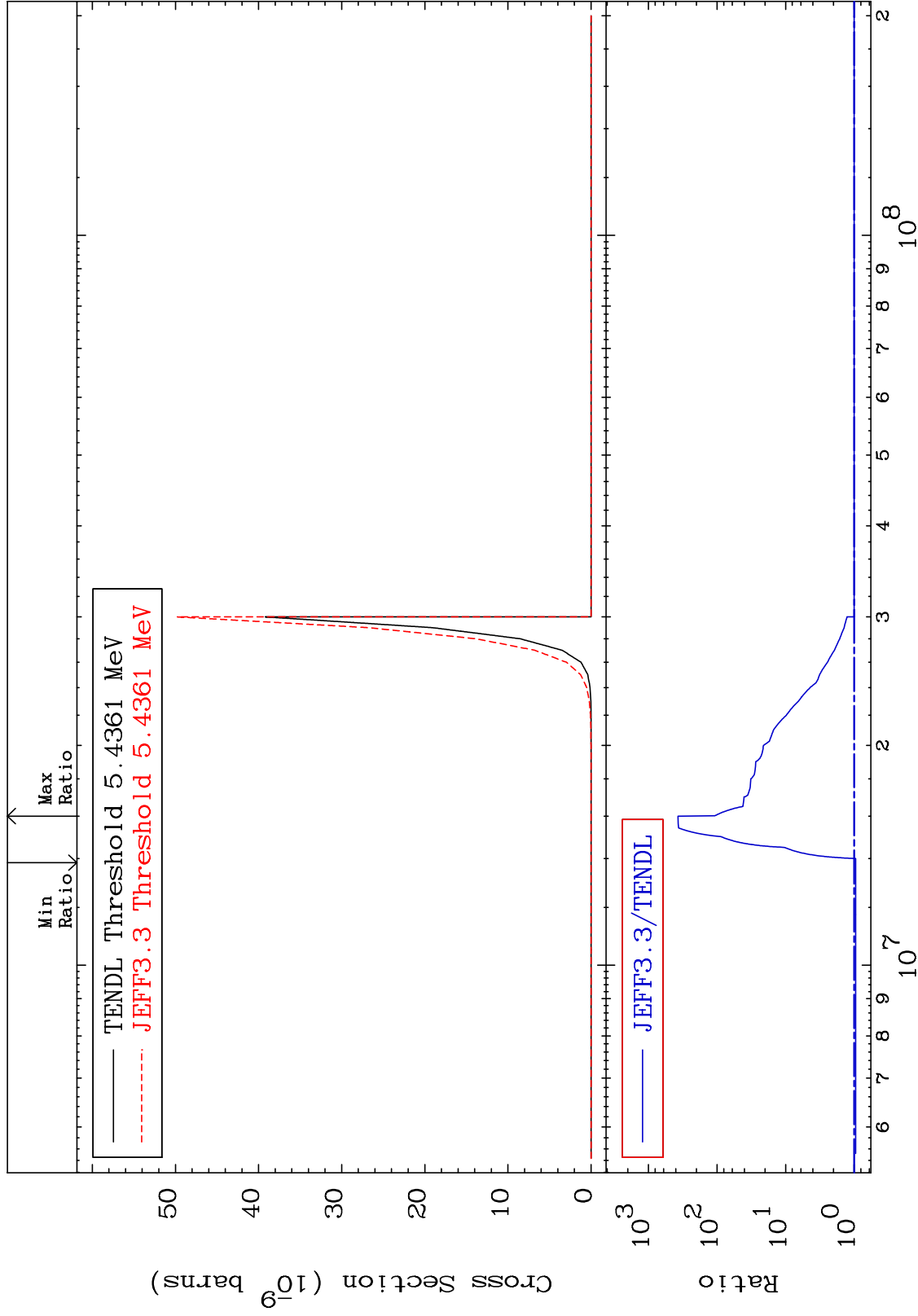
MAT 6719 (n,2n) p 67-Ho-163
 Cross Section -0.308 To 0.064 %



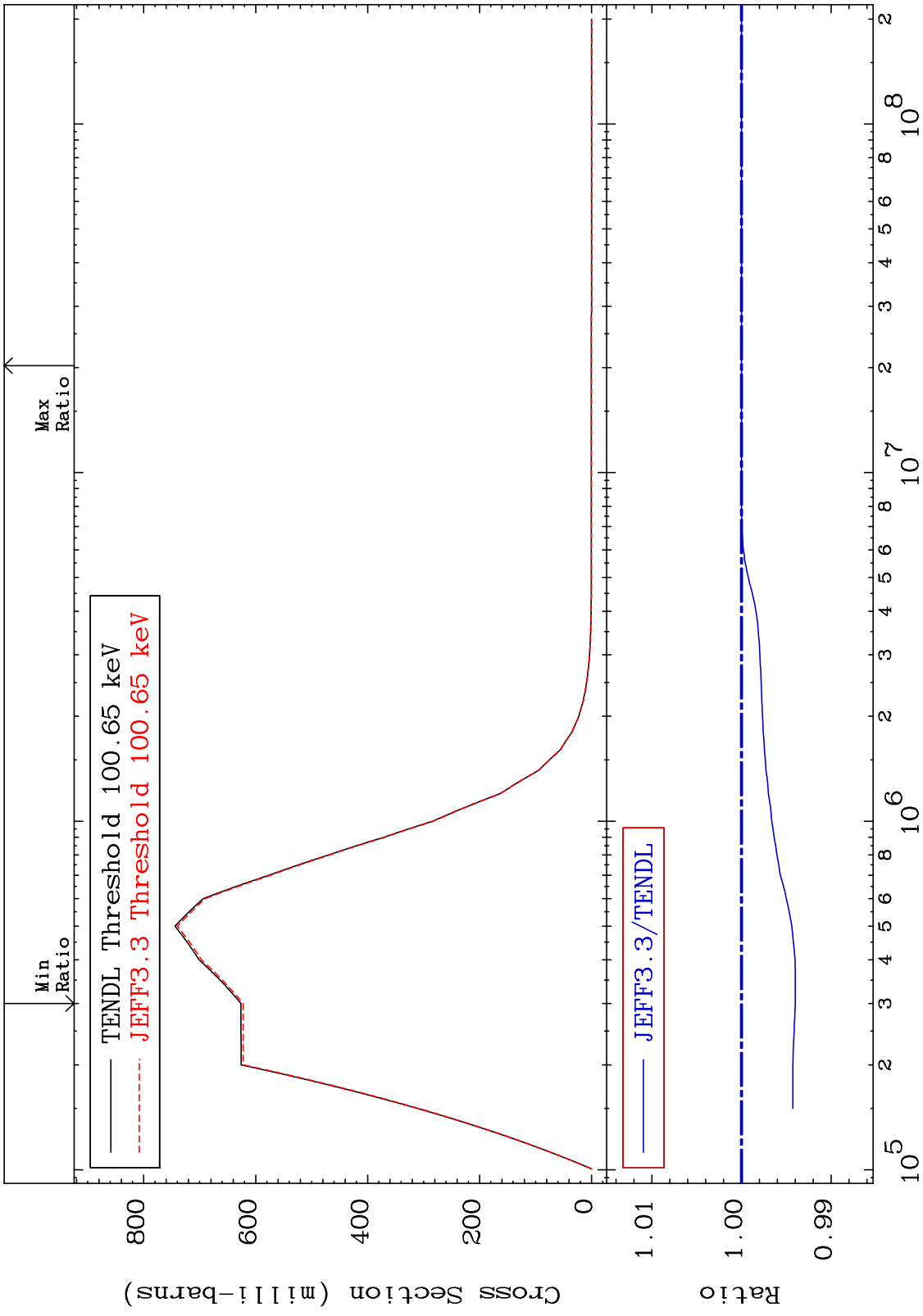
MAT 6719

(n,n') p α
Cross Section

67-Ho-163
-4.957 To 9999. %

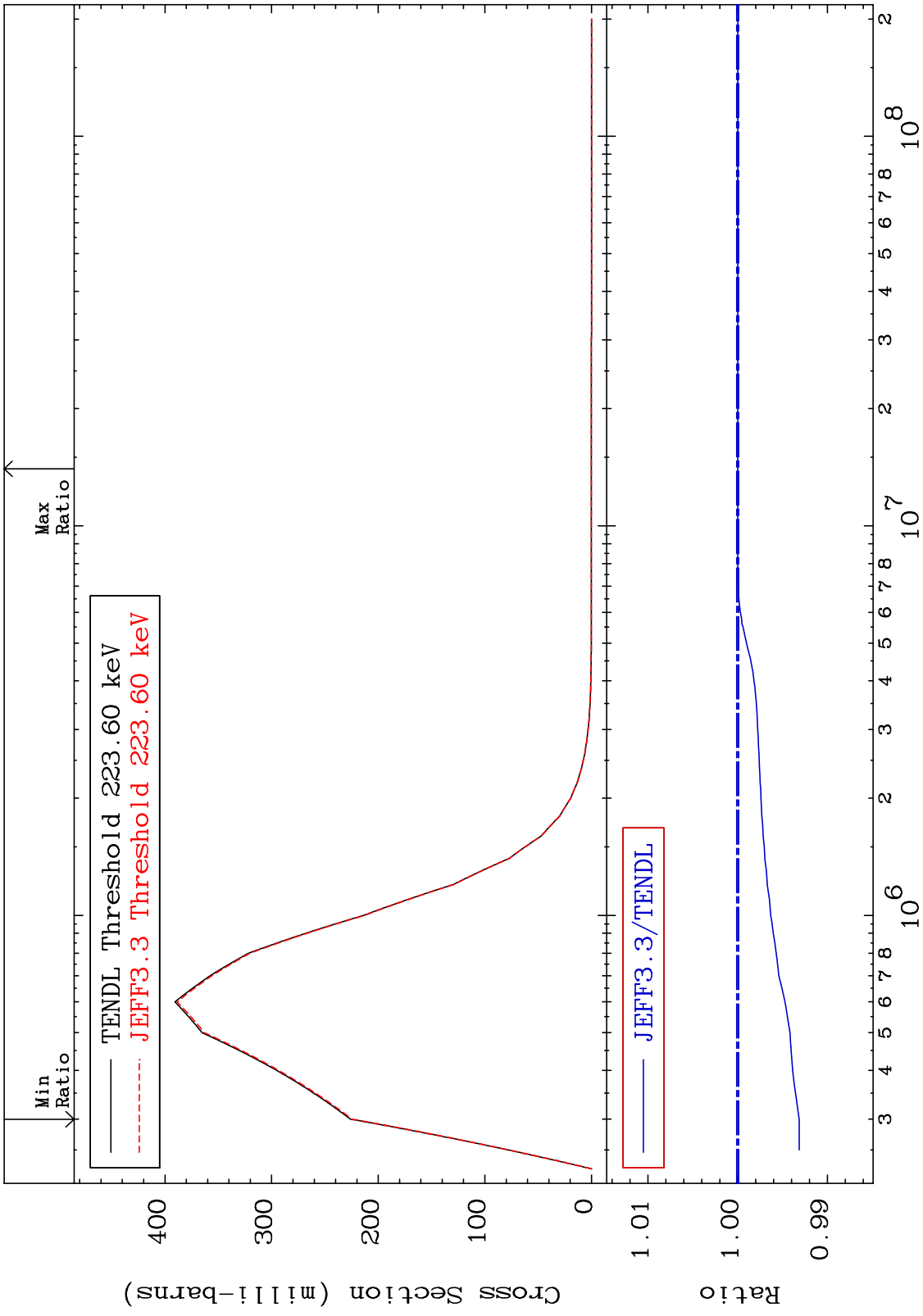


MAT 6719 MT= 51 (n,n') Level 67-Ho-163
Cross Section -0.601 To 0.000 %

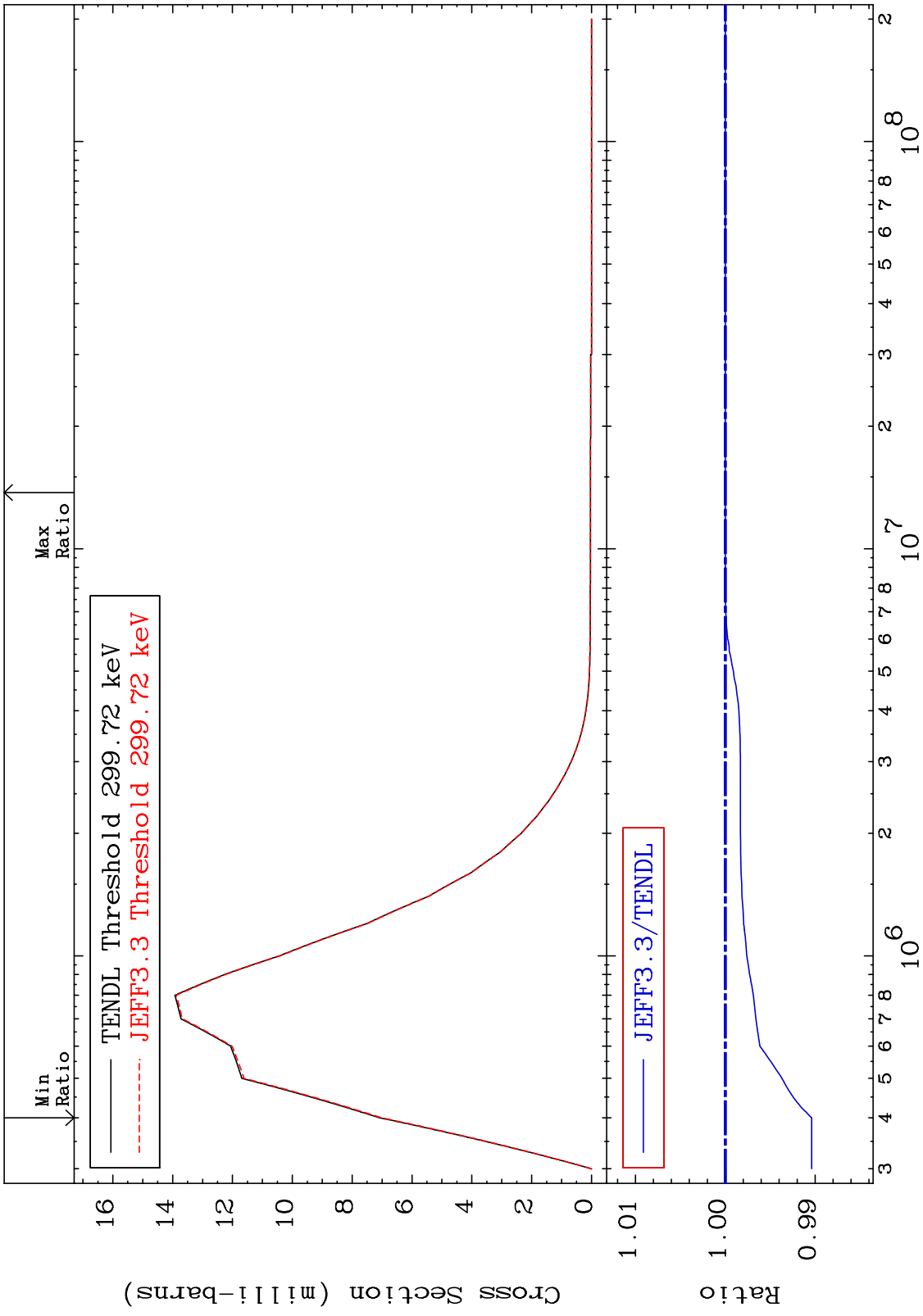


20 Incident Energy (eV) 67-Ho-163

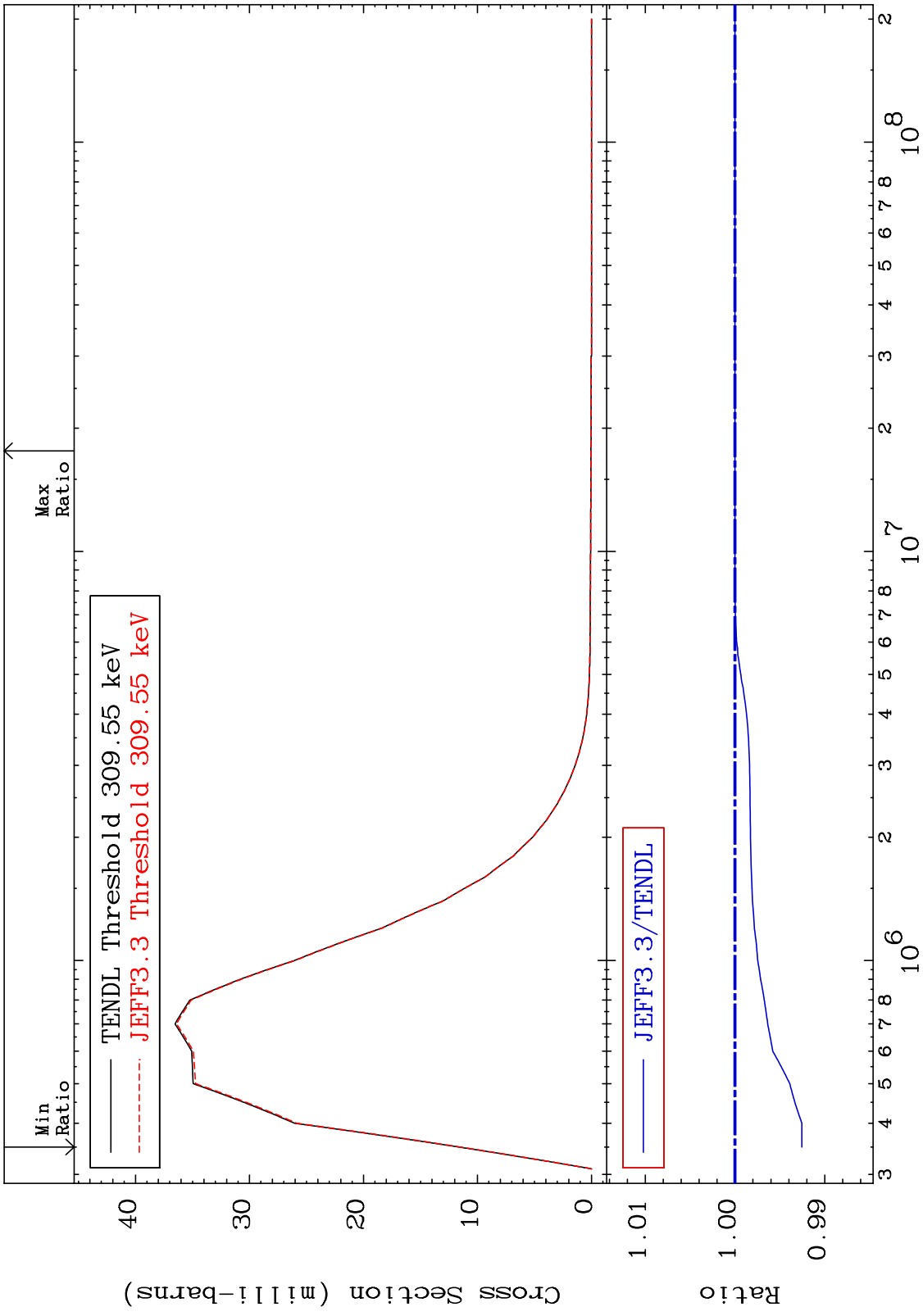
MAT 6719 MT= 52 (n,n') Level Cross Section 67-Ho-163
 -0.686 To 0.000 %



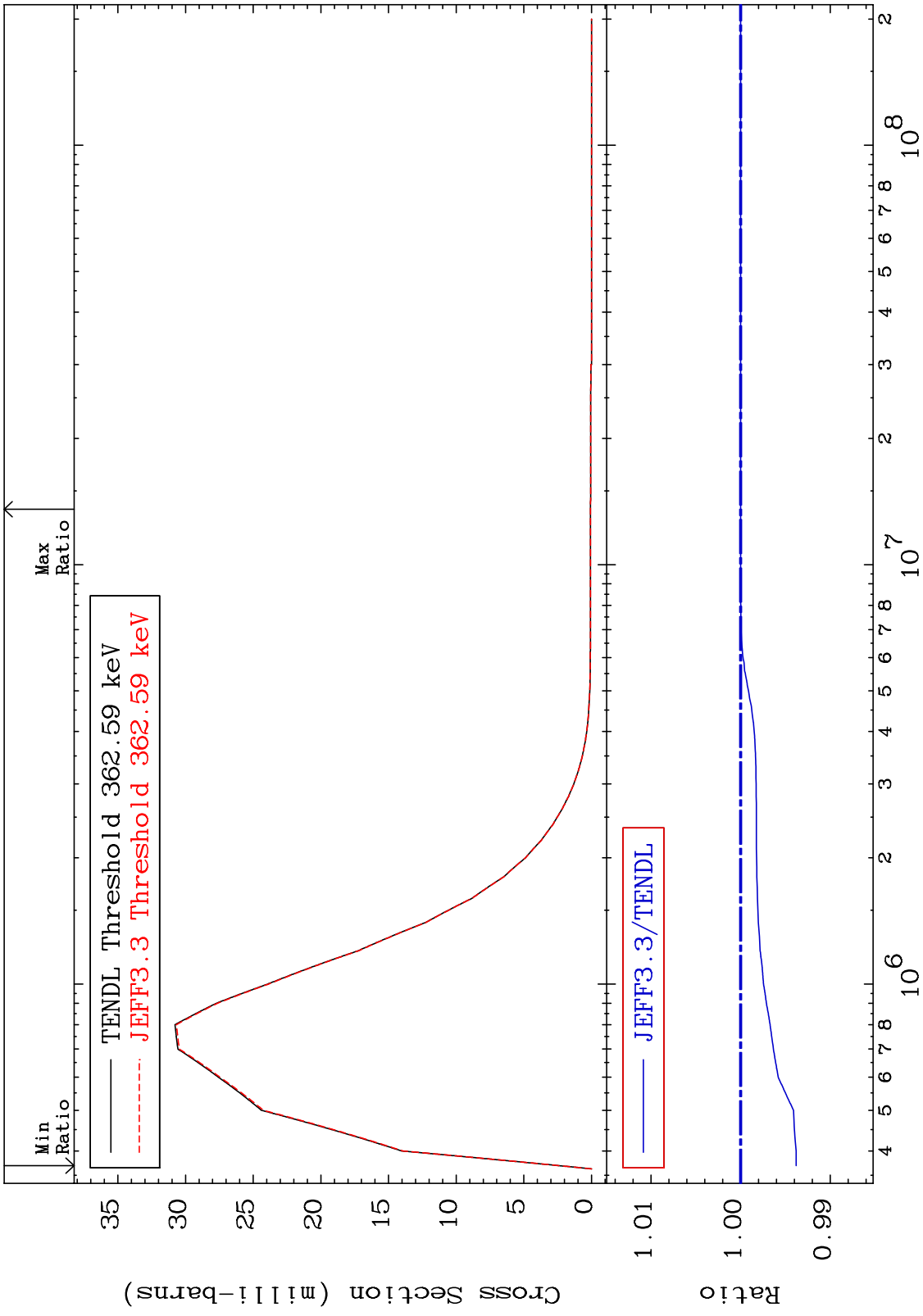
MAT 6719 MT= 53 (n,n') Level 67-Ho-163
 Cross Section -0.961 To 0.000 %



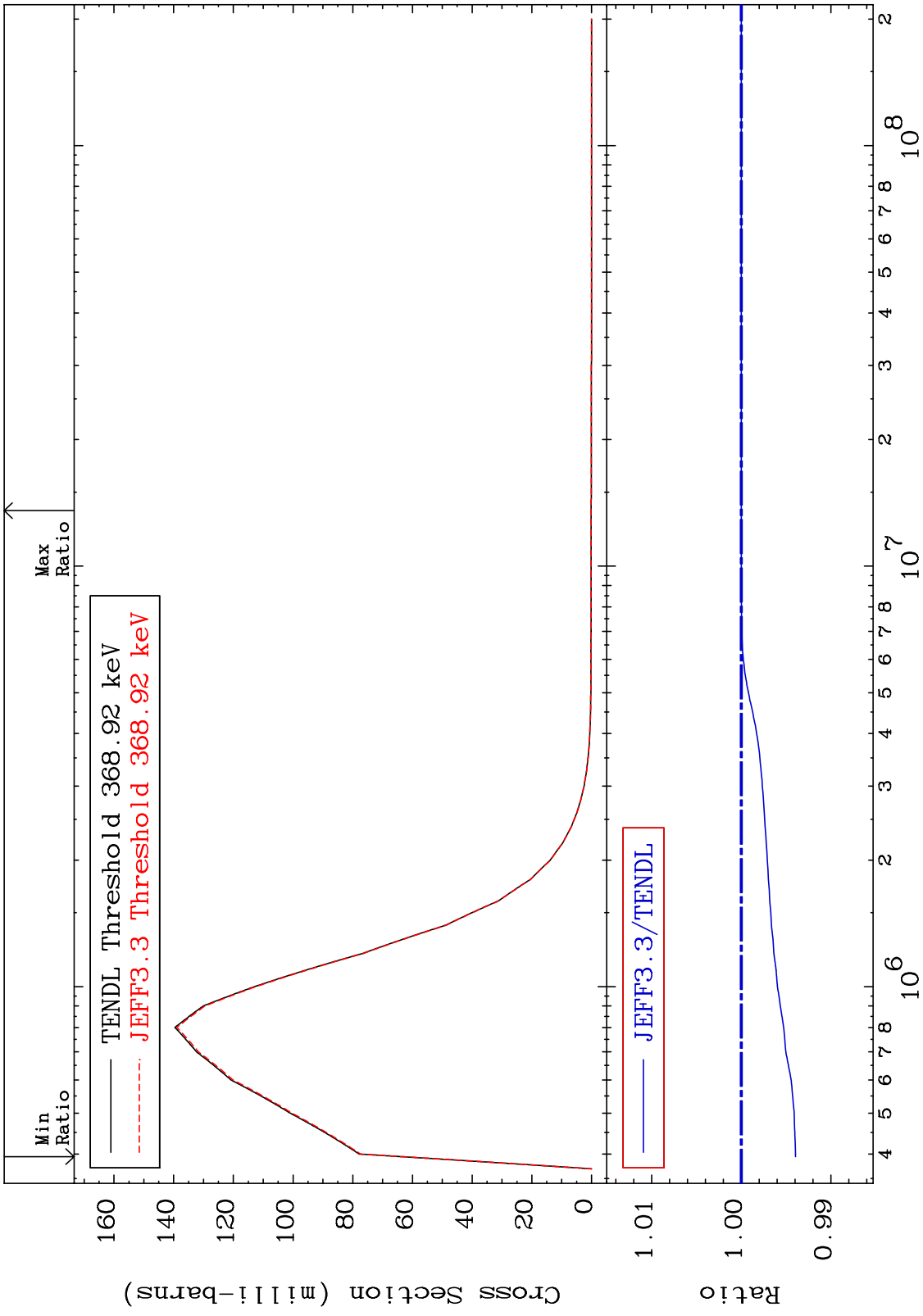
MAT 6719 MT= 54 (n,n') Level Cross Section 67-Ho-163
 -0.745 To 0.000 %



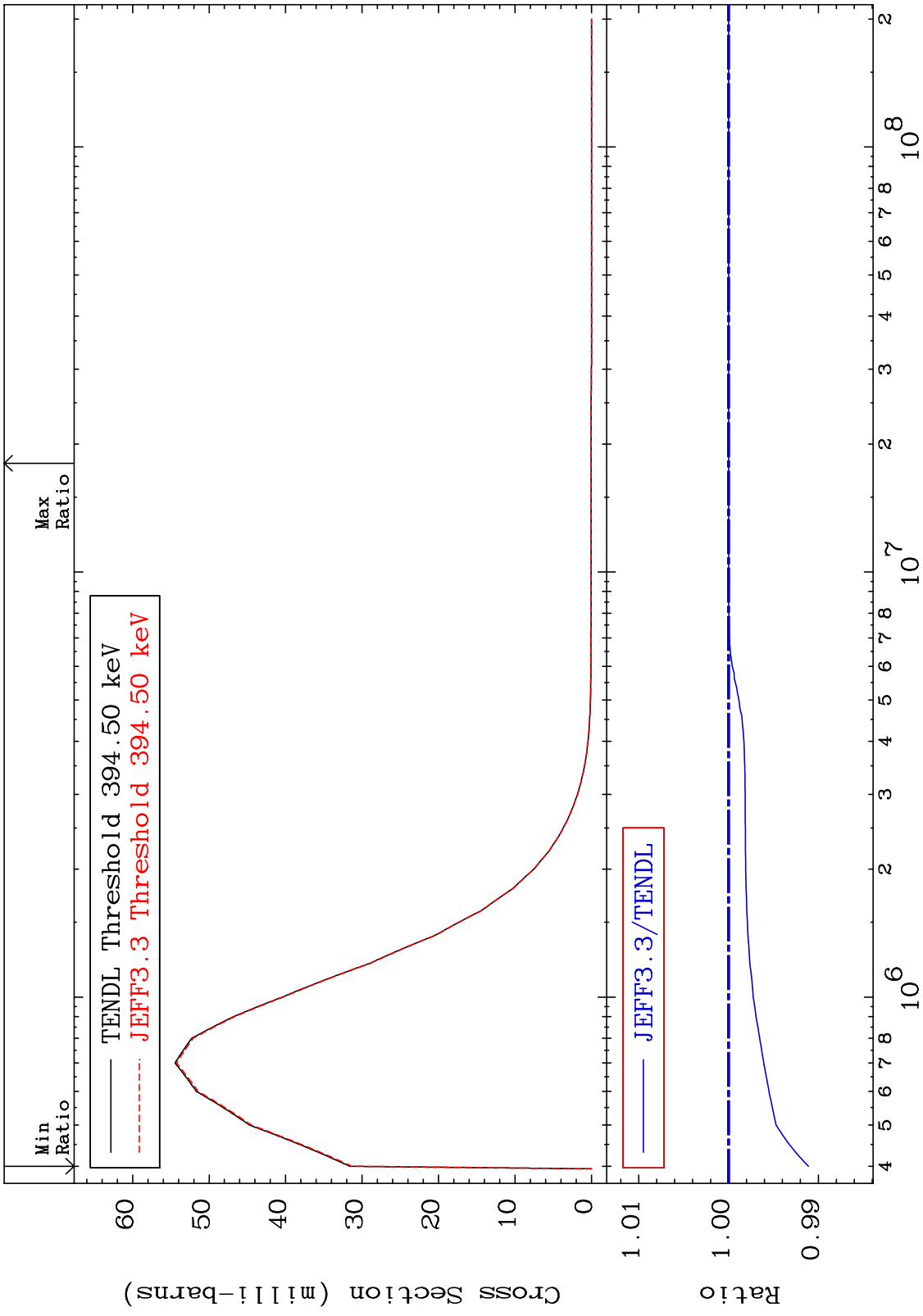
MAT 6719 MT= 55 (n,n') Level Cross Section 67-Ho-163 -0.620 To 0.000 %



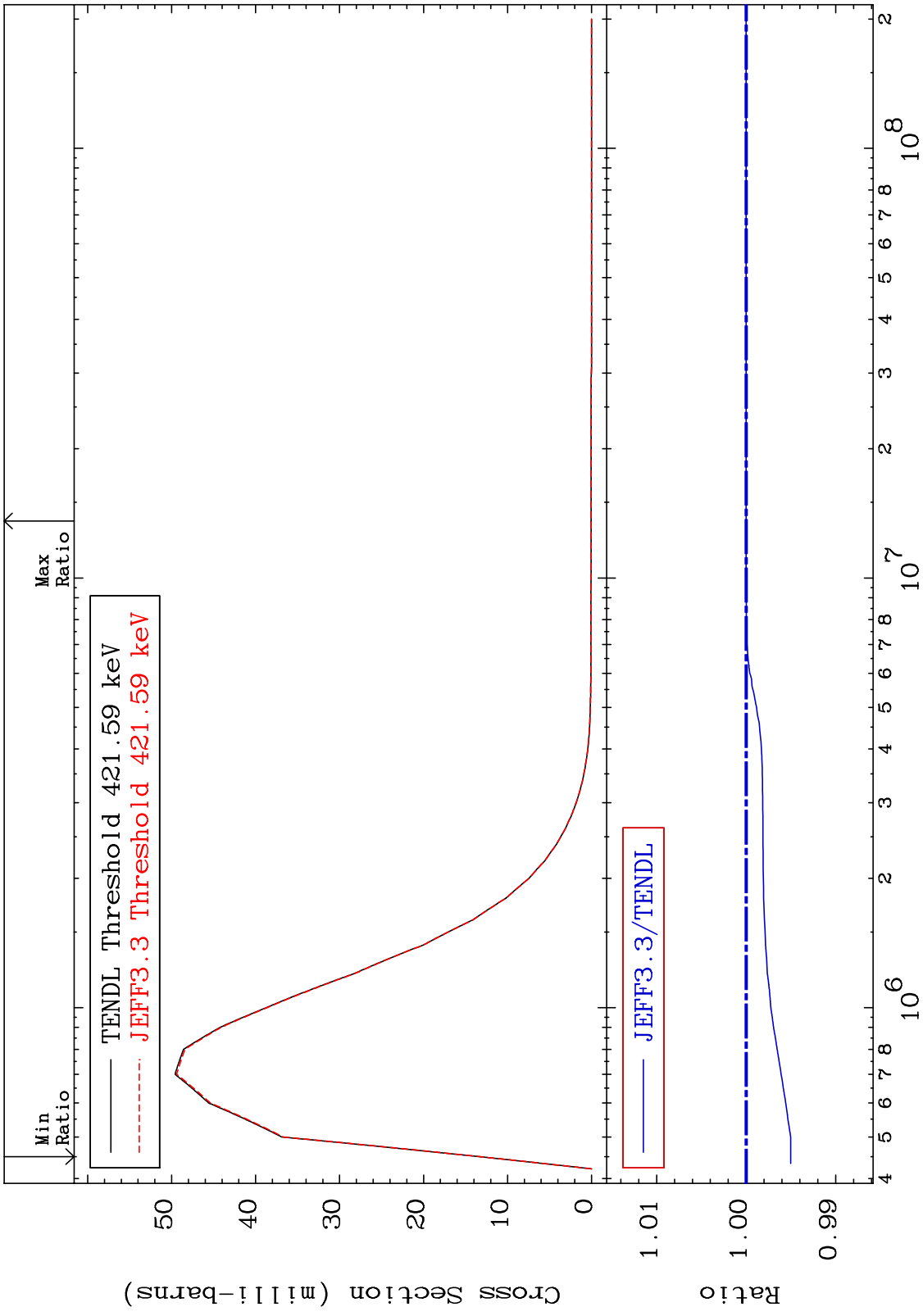
MAT 6719 MT= 56 (n,n') Level Cross Section 67-Ho-163 -0.605 To 0.000 %



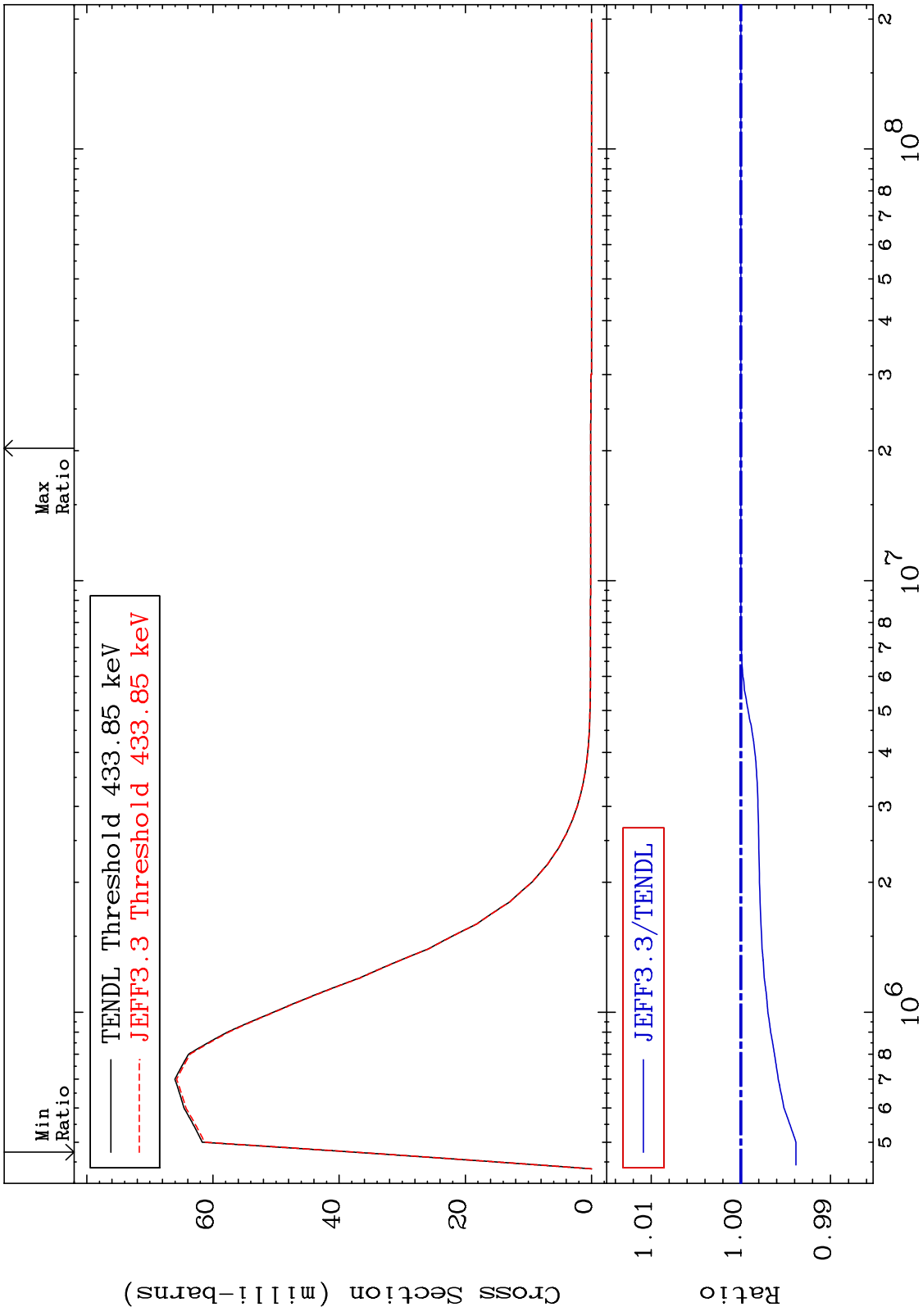
MAT 6719 MT= 57 (n,n') Level 67-Ho-163
 Cross Section -0.889 To 0.000 %



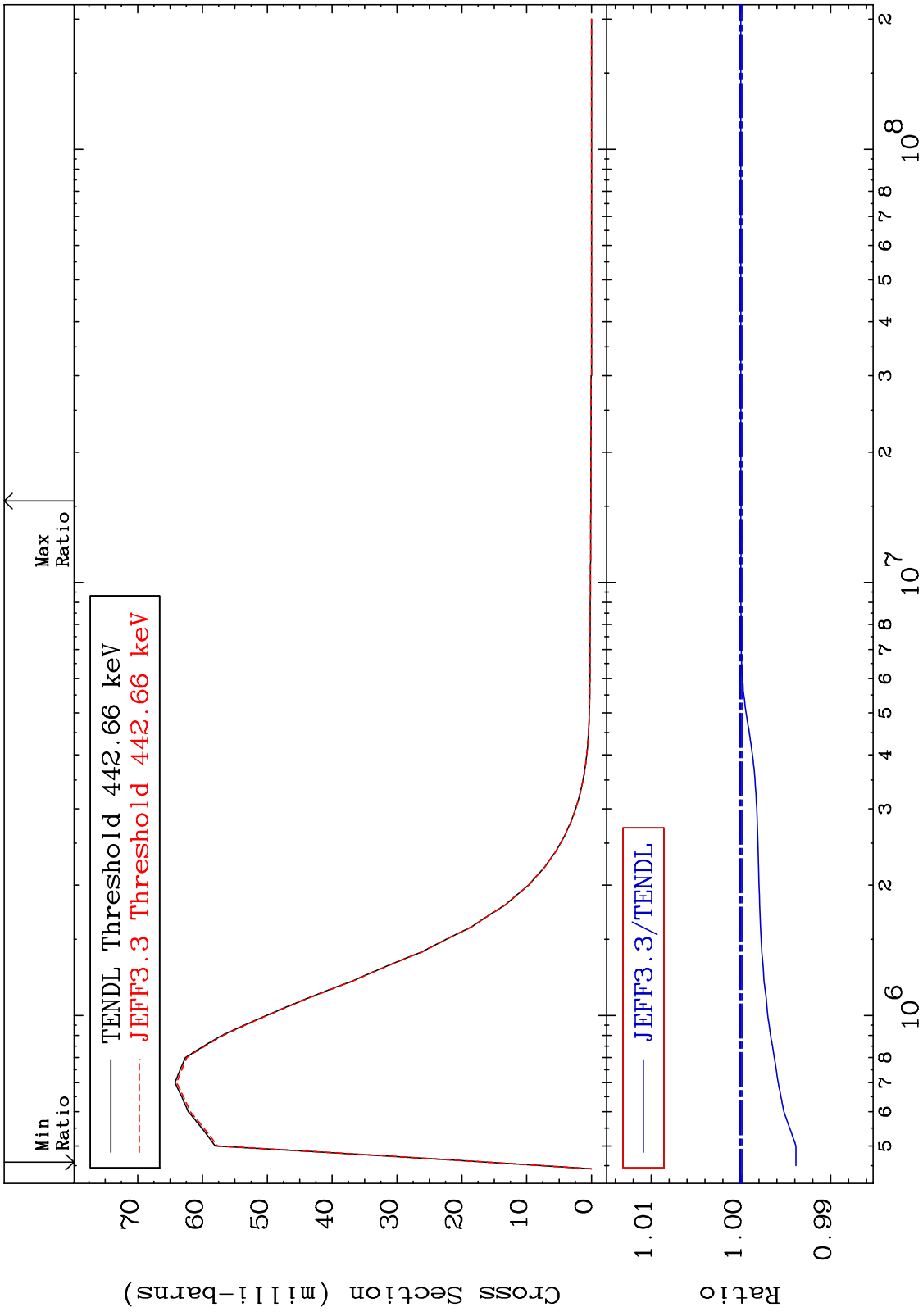
MAT 6719 MT= 58 (n,n') Level Cross Section 67-Ho-163
 -0.497 To 0.000 %



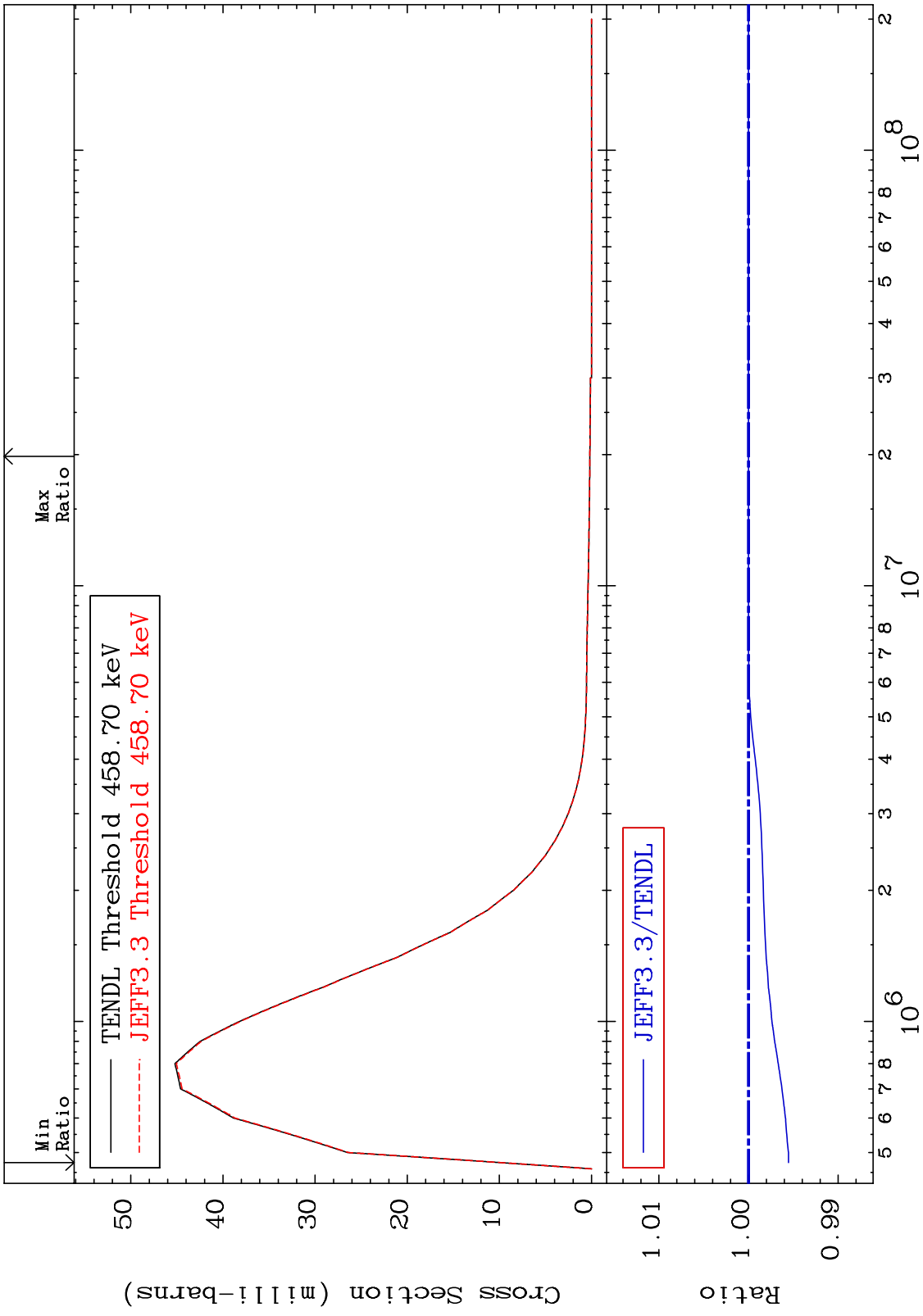
MAT 6719 MT= 59 (n,n') Level 67-Ho-163
 Cross Section -0.614 To 0.000 %



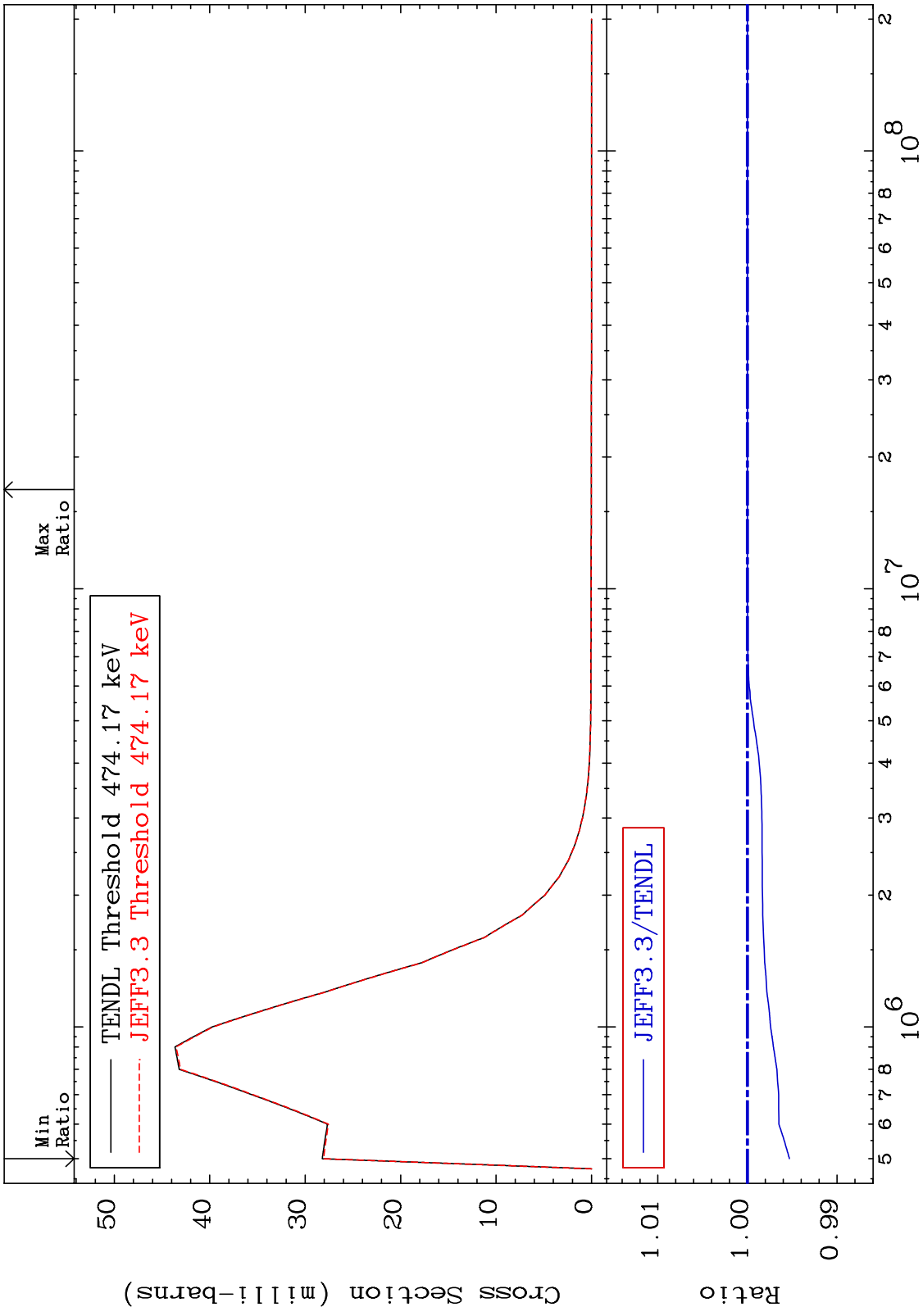
MAT 6719 MT= 60 (n,n') Level Cross Section 67-Ho-163
 -0.613 To 0.000 %



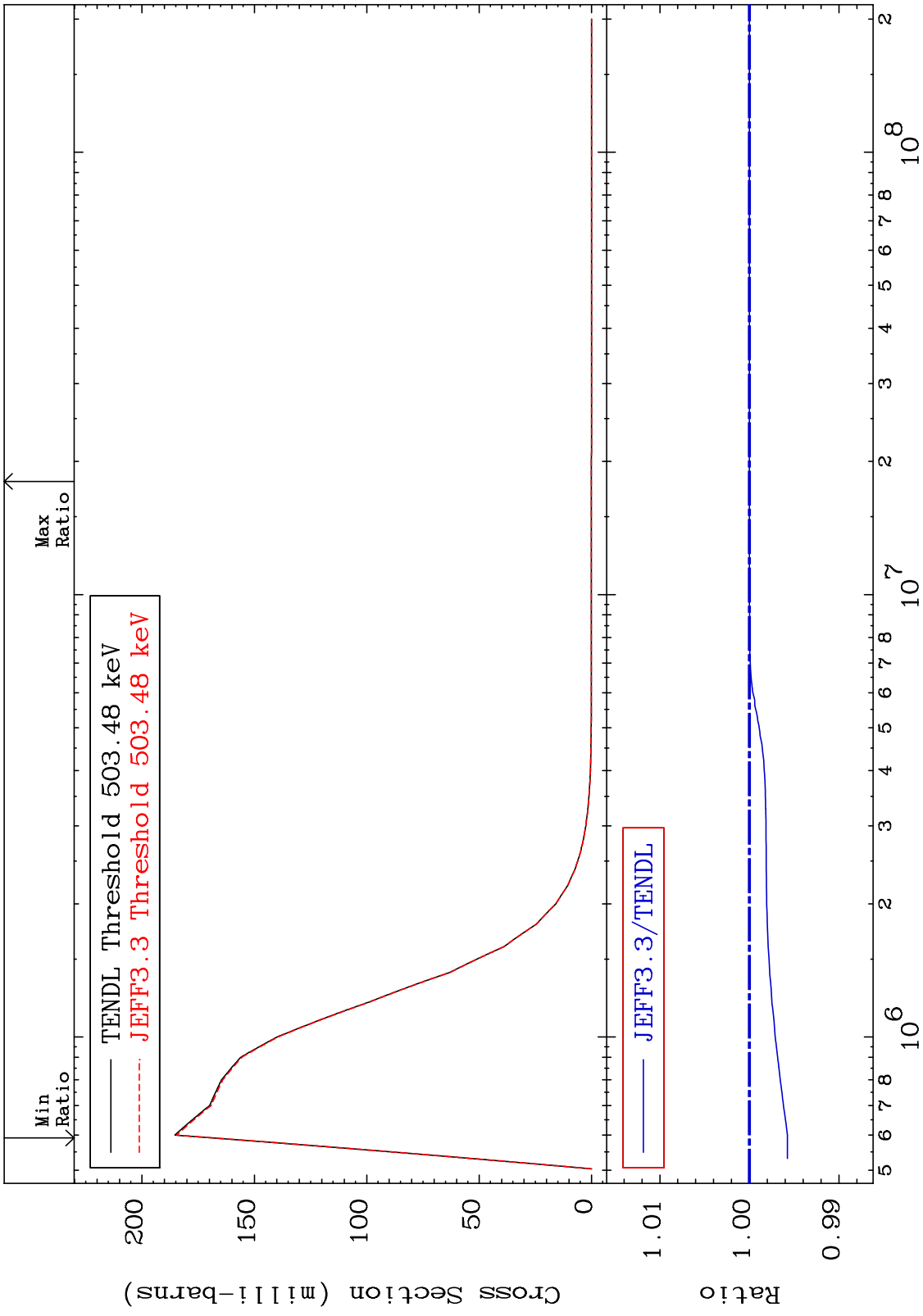
MAT 6719 MT= 61 (n,n') Level Cross Section 67-Ho-163
 -0.445 To 0.000 %



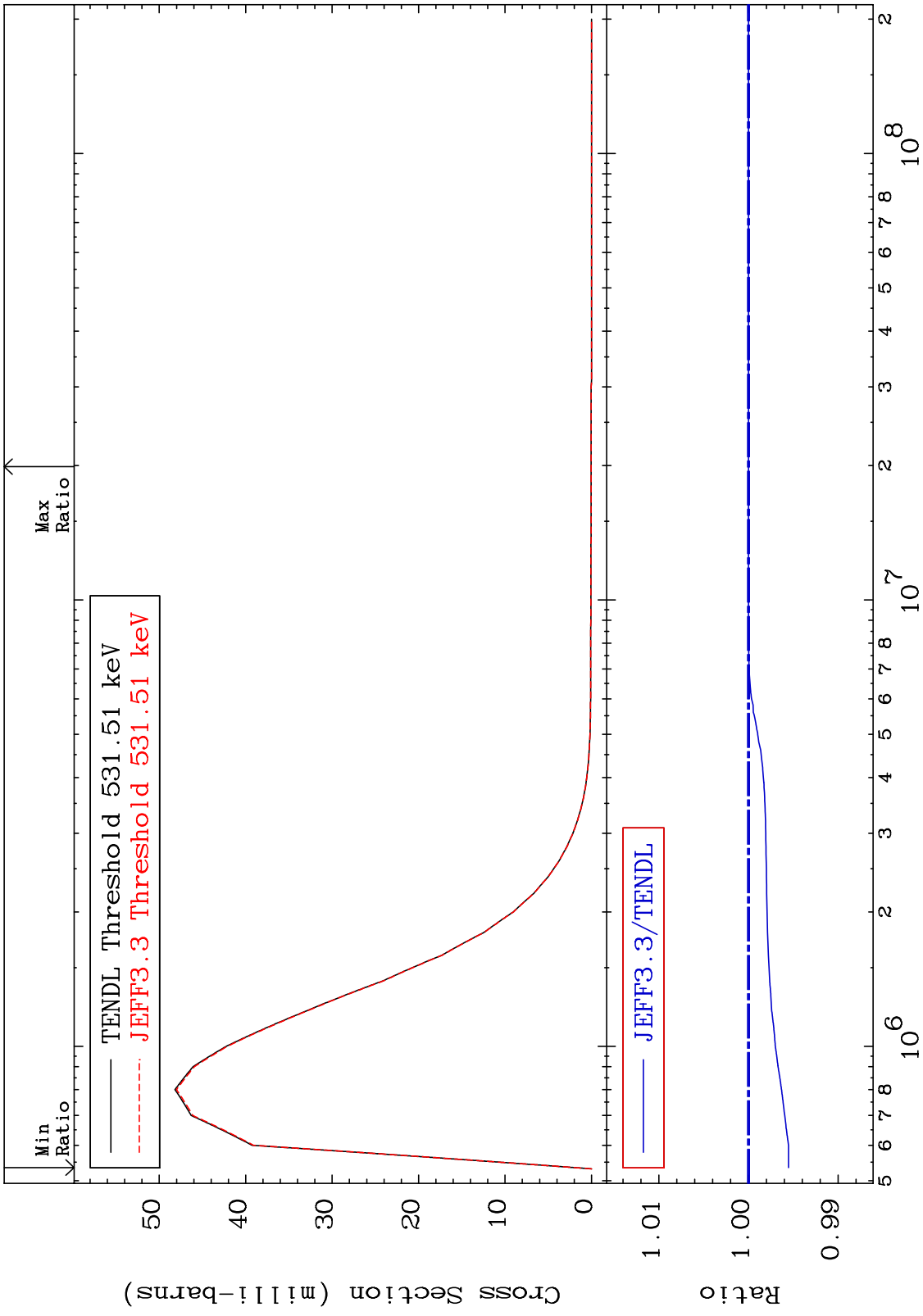
MAT 6719 MT= 62 (n,n') Level Cross Section 67-Ho-163
 -0.468 To 0.000 %



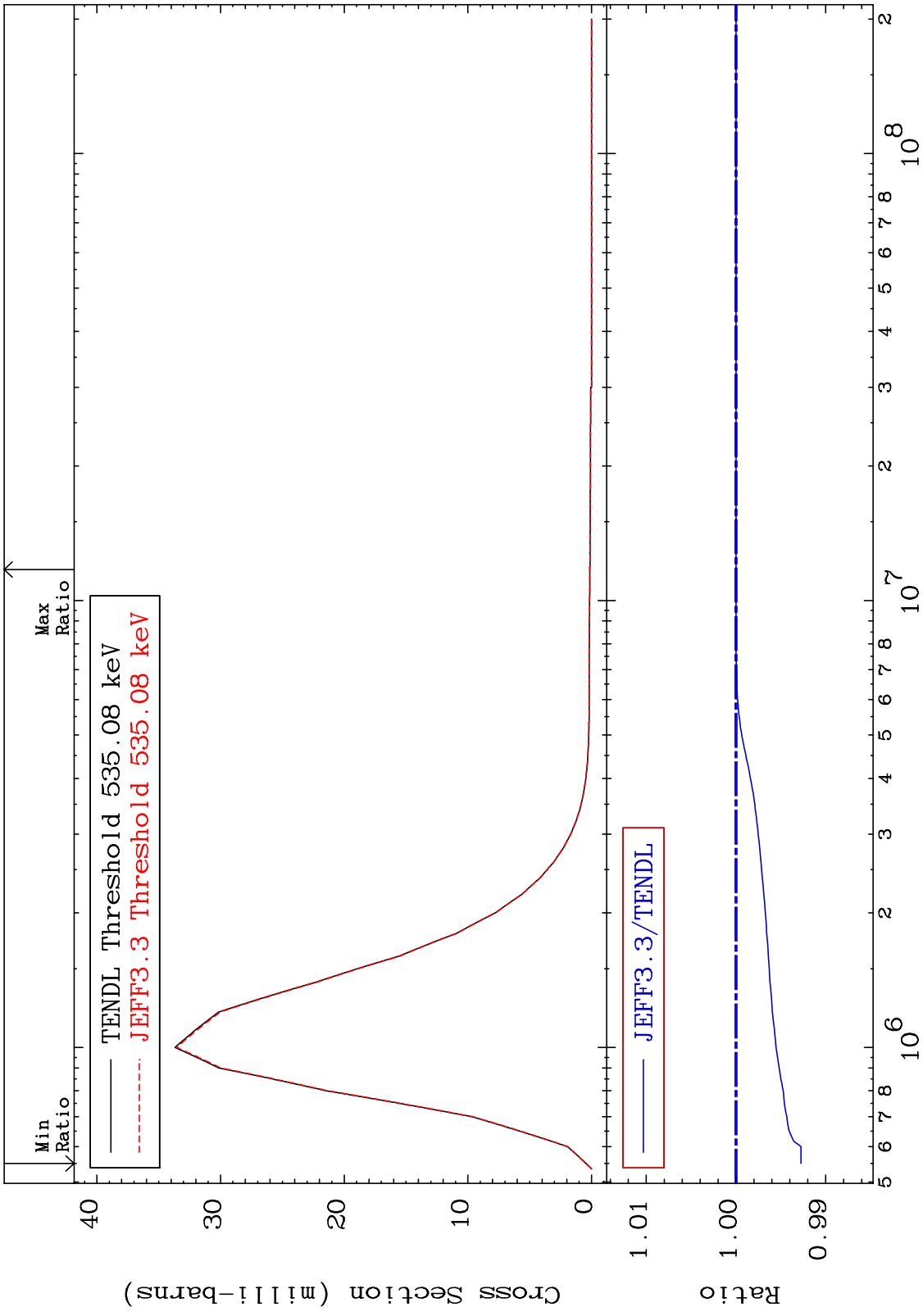
MAT 6719 MT= 63 (n,n') Level Cross Section 67-Ho-163
 -0.424 To 0.000 %



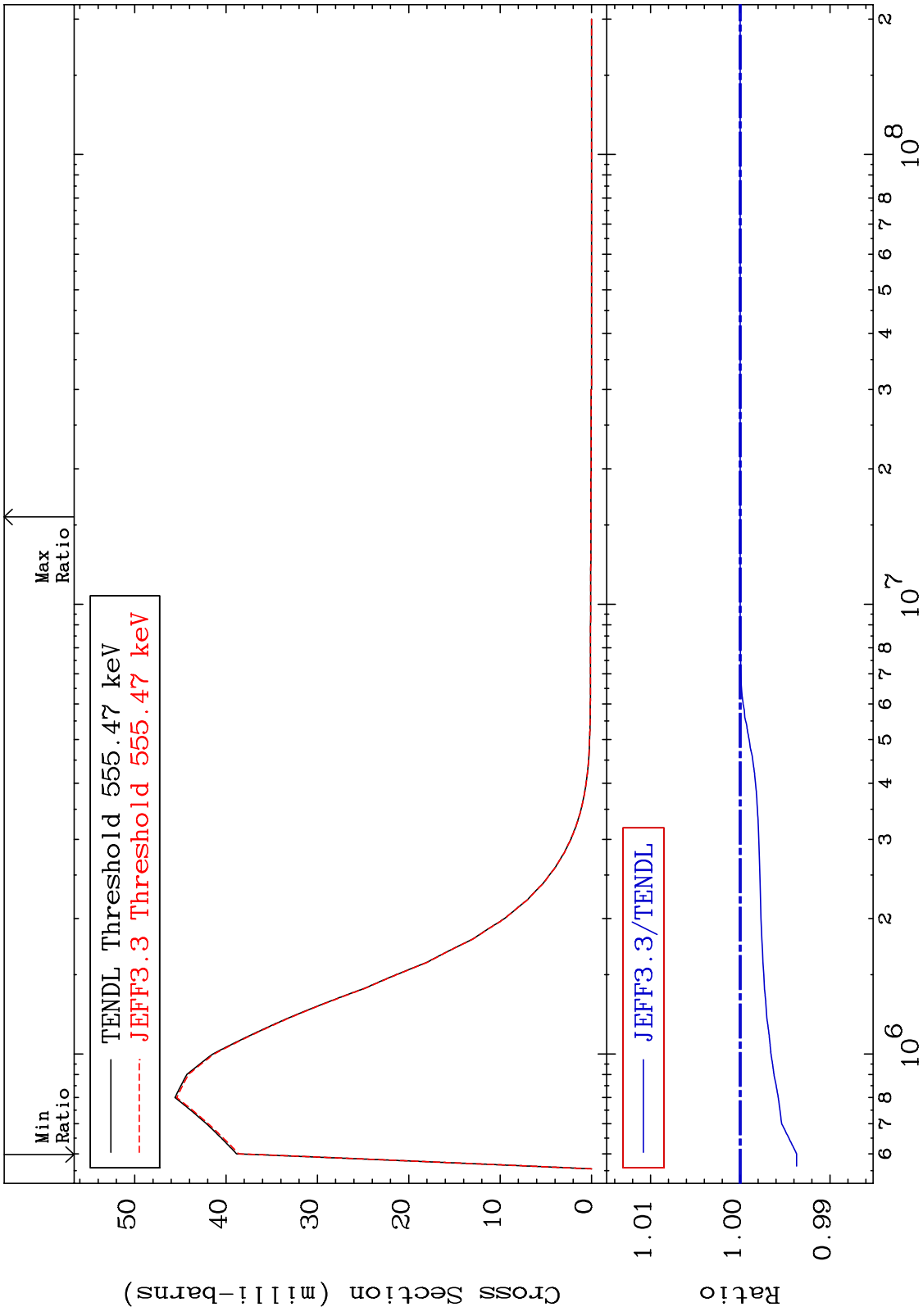
MAT 6719 MT= 64 (n,n') Level Cross Section 67-Ho-163
 -0.447 To 0.000 %



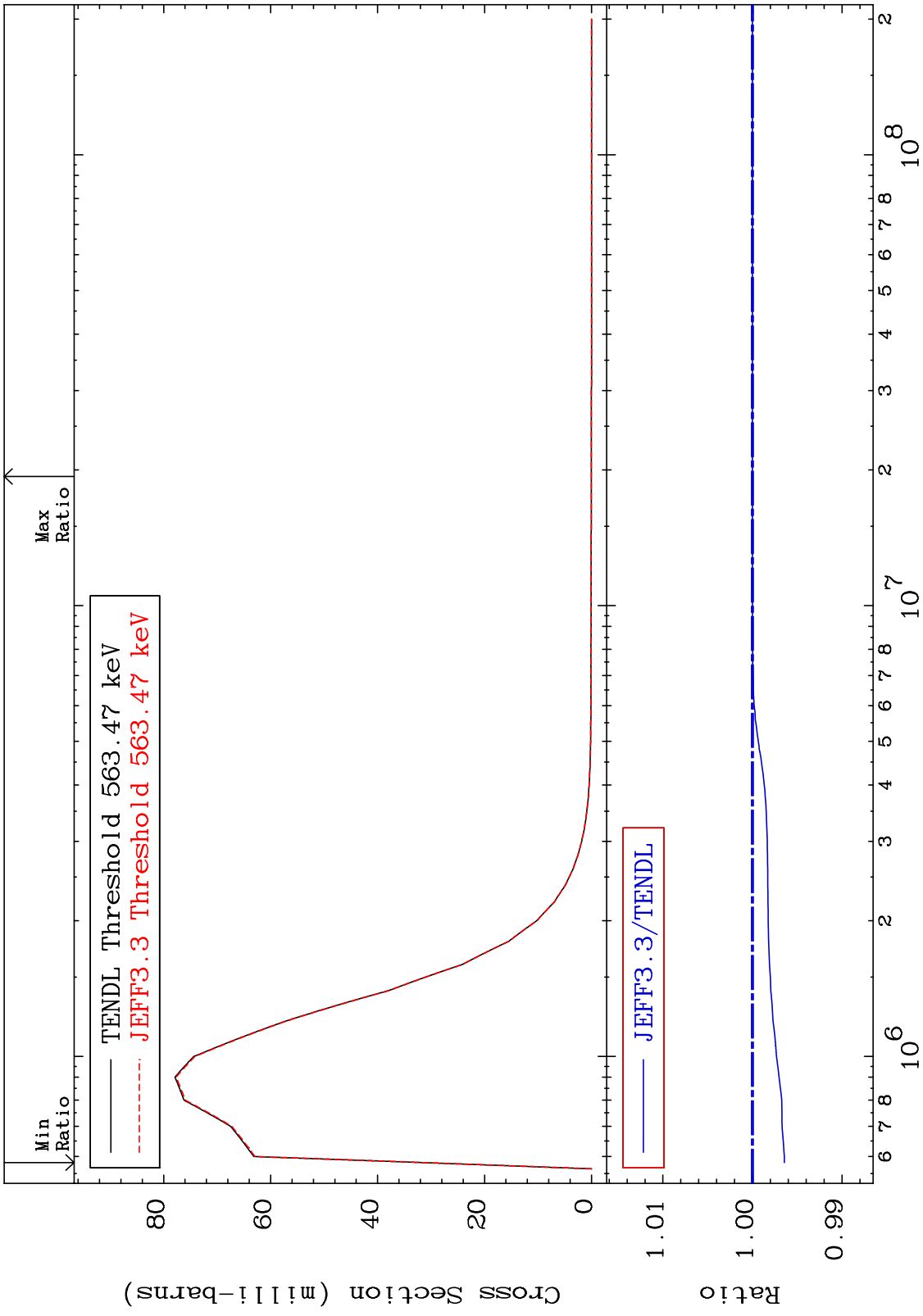
MAT 6719 MT= 65 (n,n') Level 67-Ho-163
 Cross Section -0.723 To 0.000 %



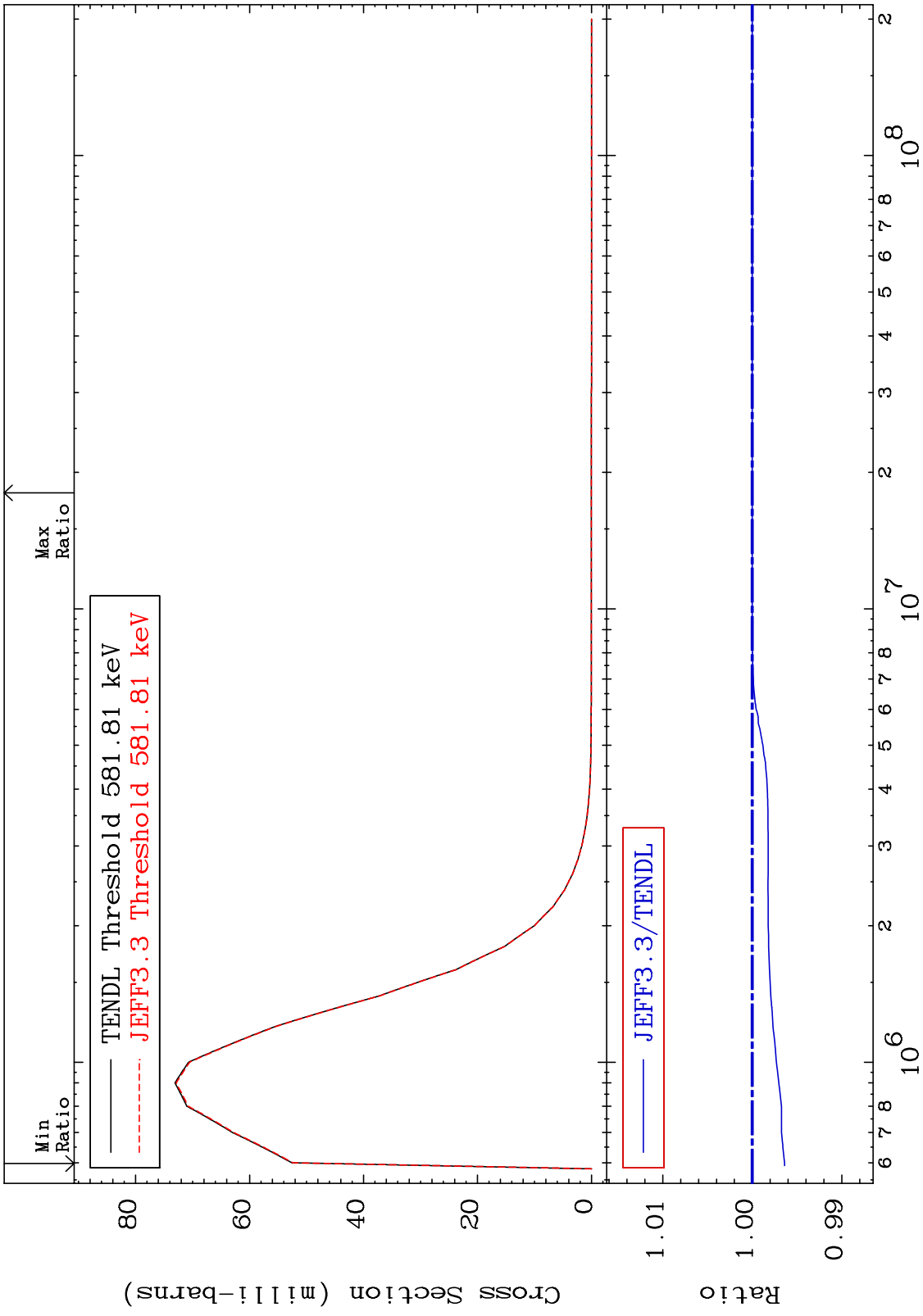
MAT 6719 MT= 66 (n,n') Level Cross Section 67-Ho-163
 -0.629 To 0.000 %



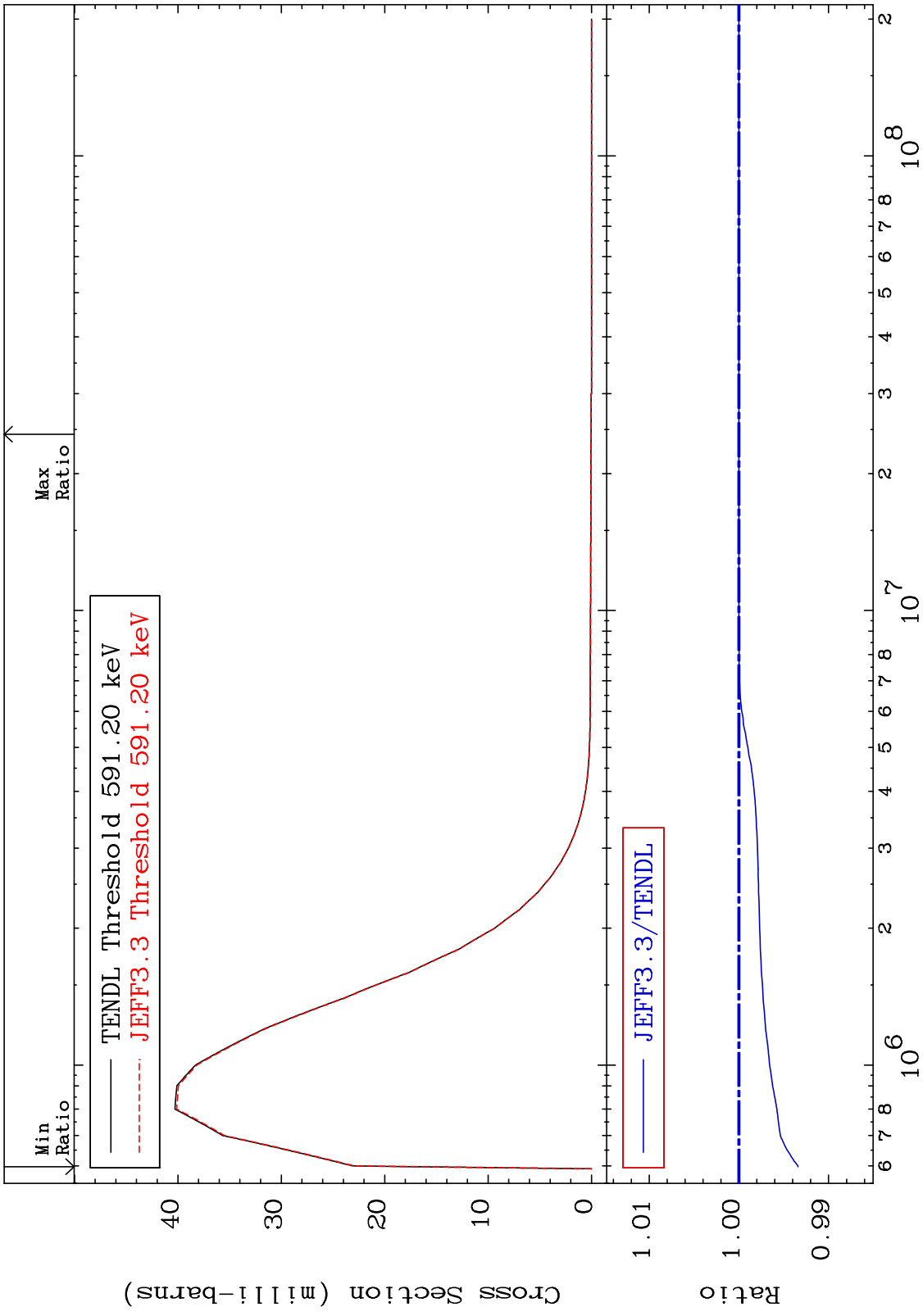
MAT 6719 MT= 67 (n,n') Level Cross Section 67-Ho-163 -0.357 To 0.000 %



MAT 6719 MT= 68 (n,n') Level 67-Ho-163
 Cross Section -0.361 To 0.000 %



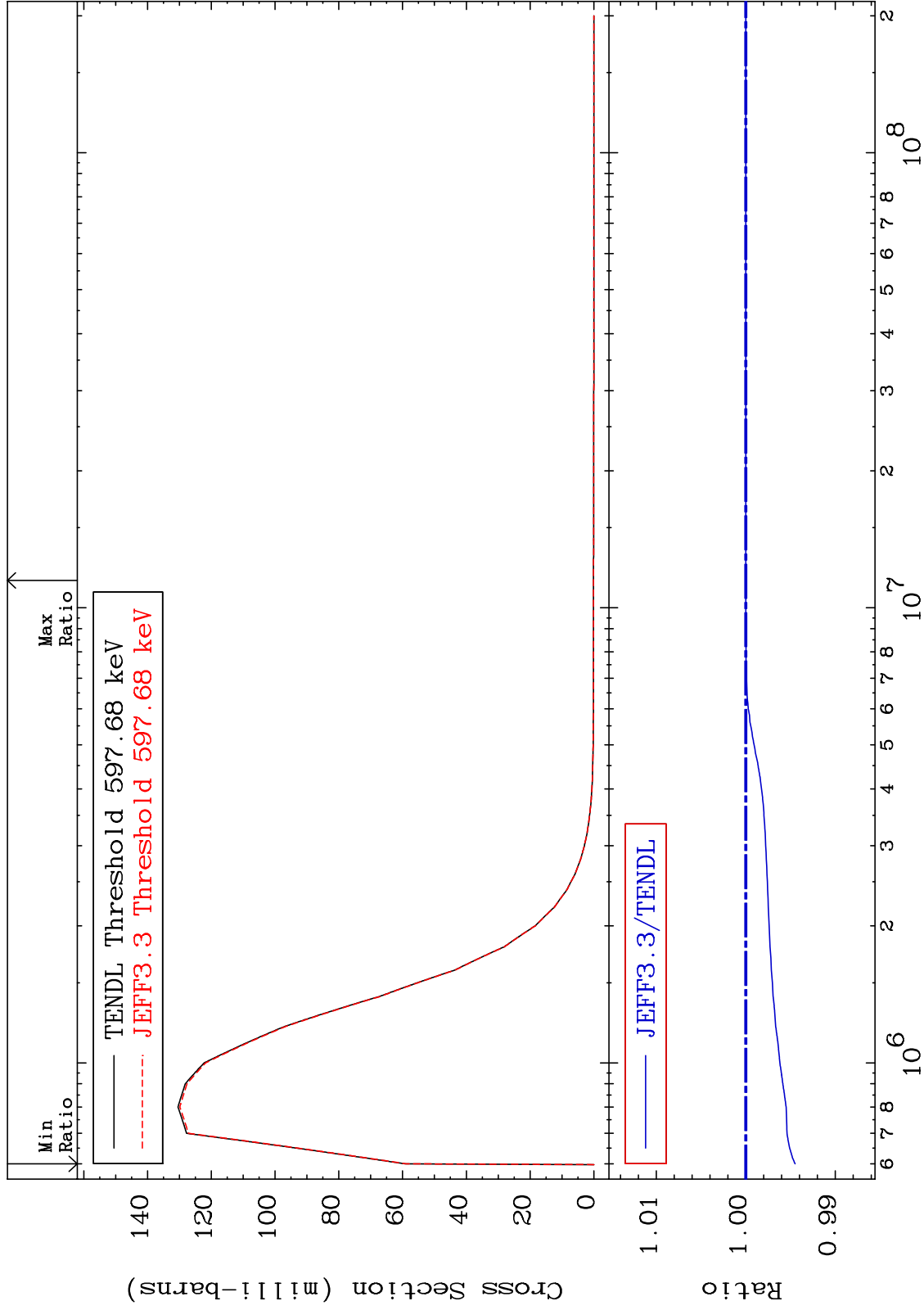
MAT 6719 MT= 69 (n,n') Level Cross Section 67-Ho-163 -0.659 To 0.000 %



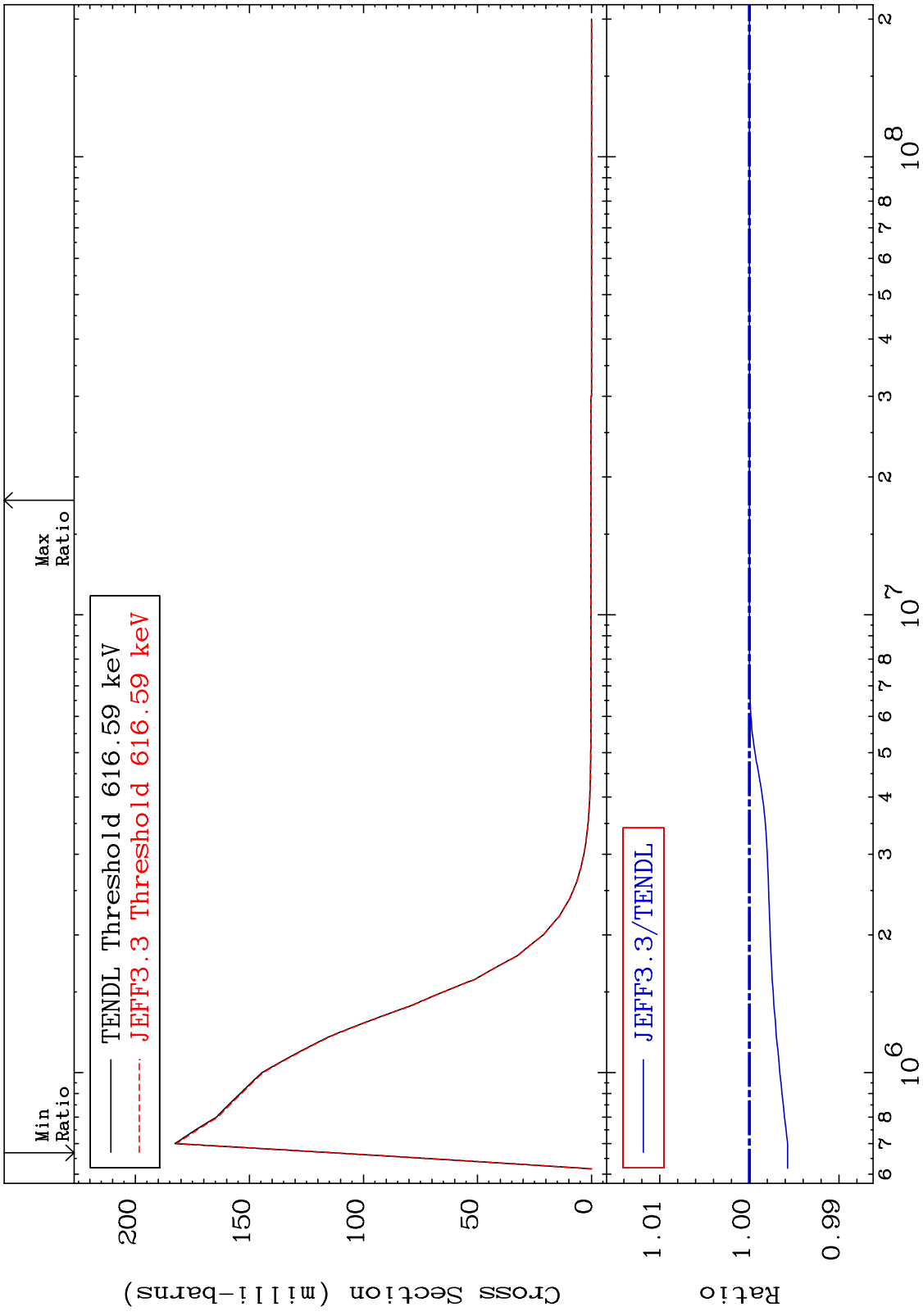
MAT 6719

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

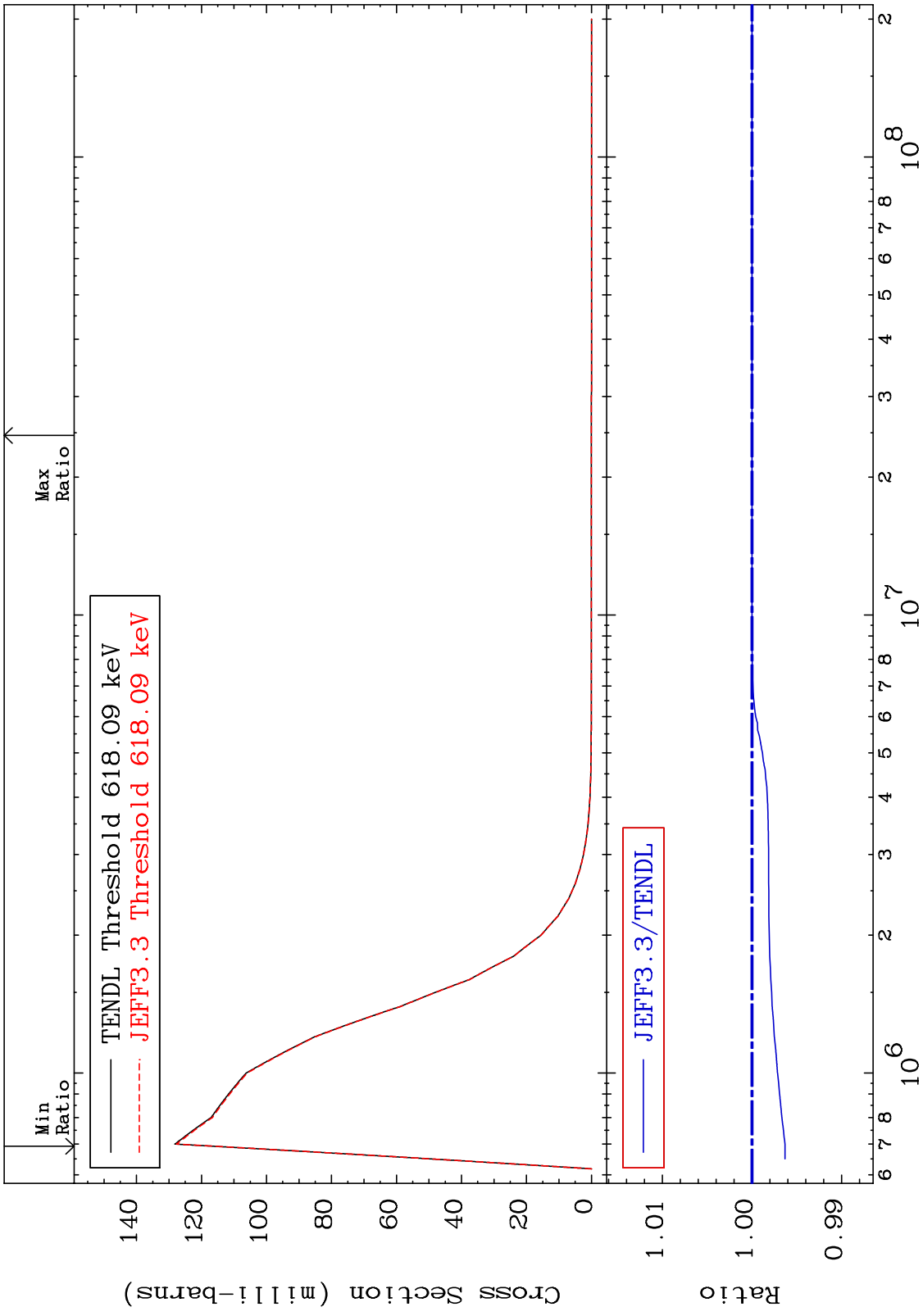
67-Ho-163
-0.551 To 0.000 %



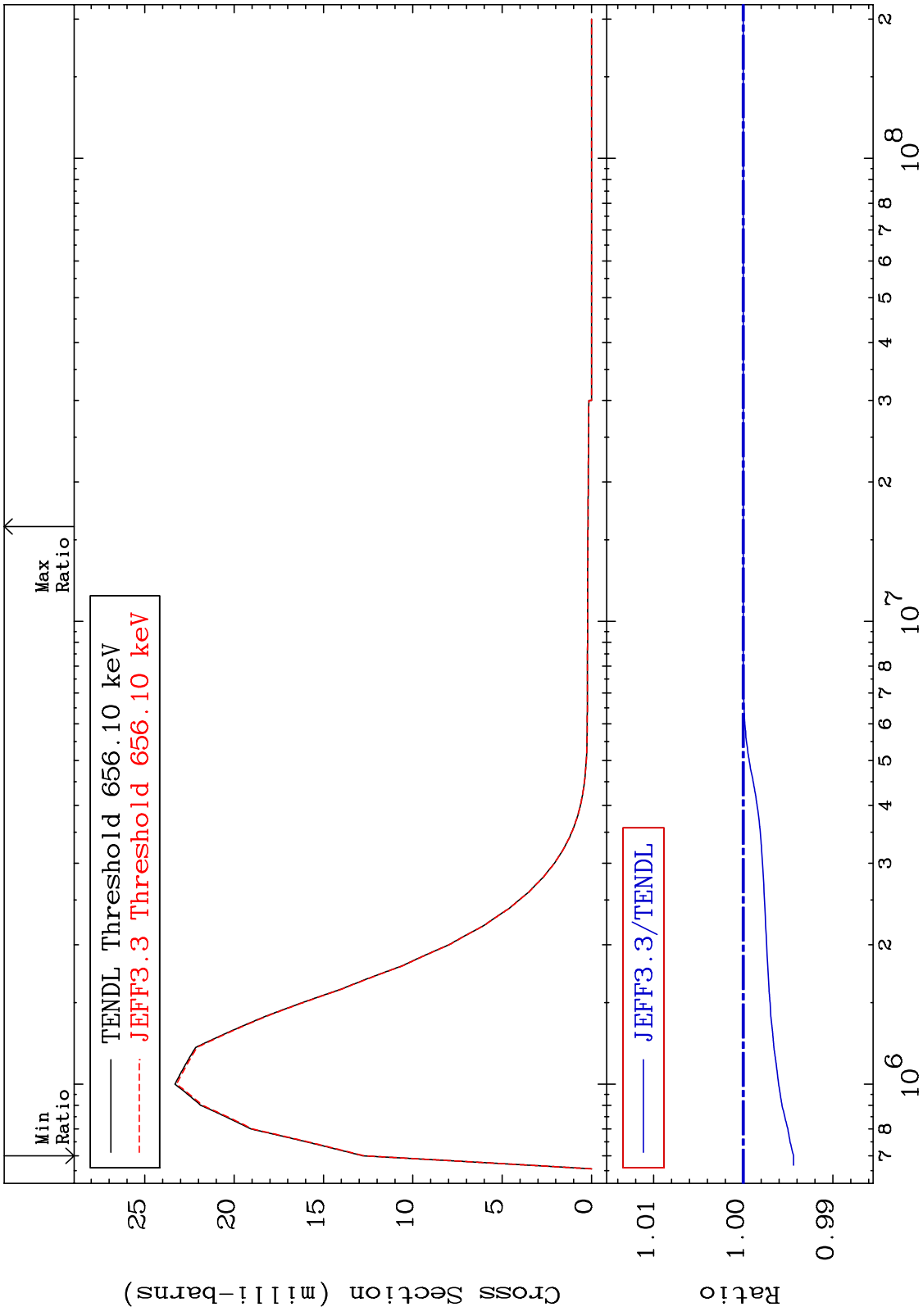
MAT 6719 MT= 71 (n,n') Level Cross Section 67-Ho-163
 -0.426 To 0.000 %



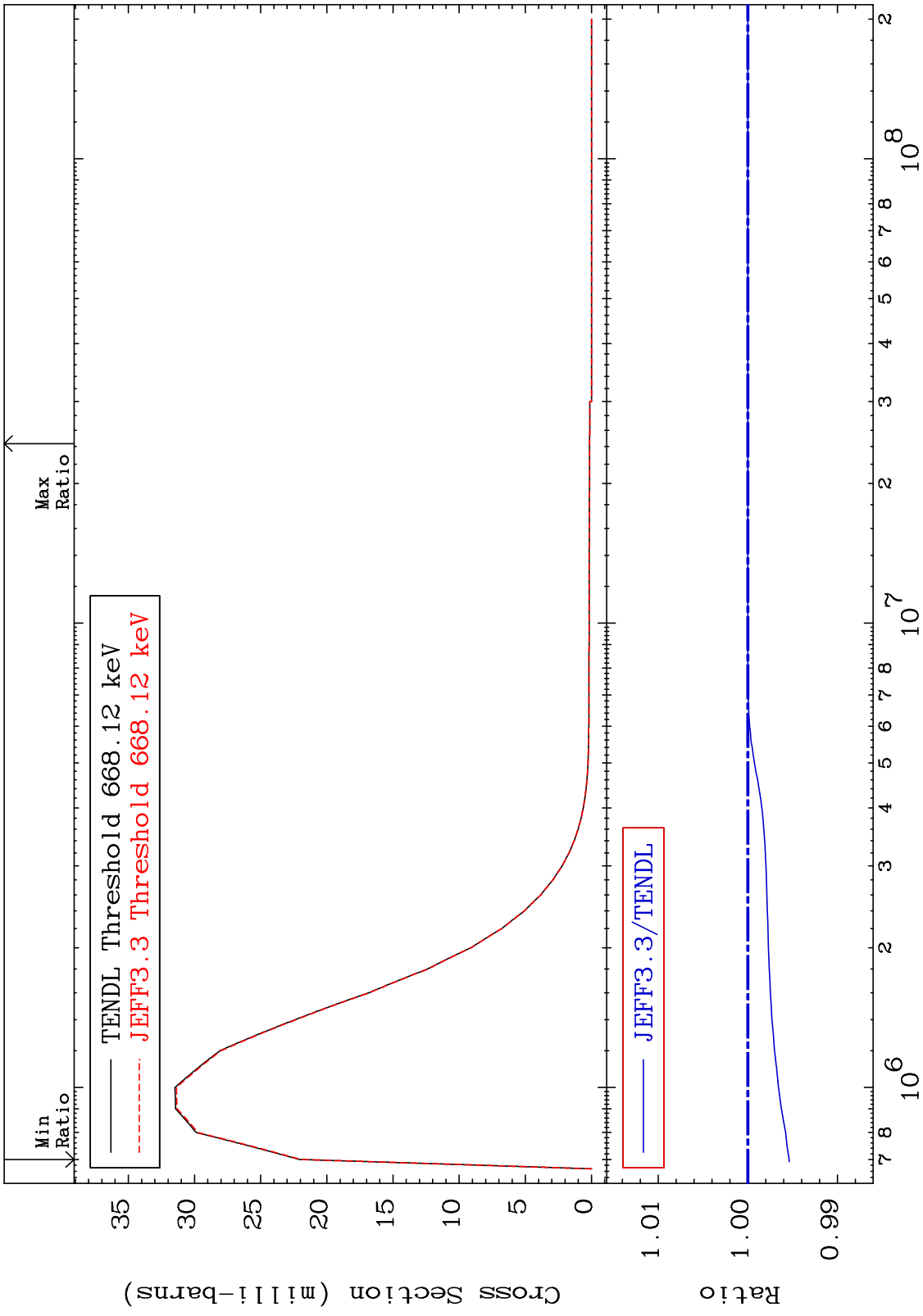
MAT 6719 MT= 72 (n,n') Level Cross Section 67-Ho-163
 -0.368 To 0.000 %



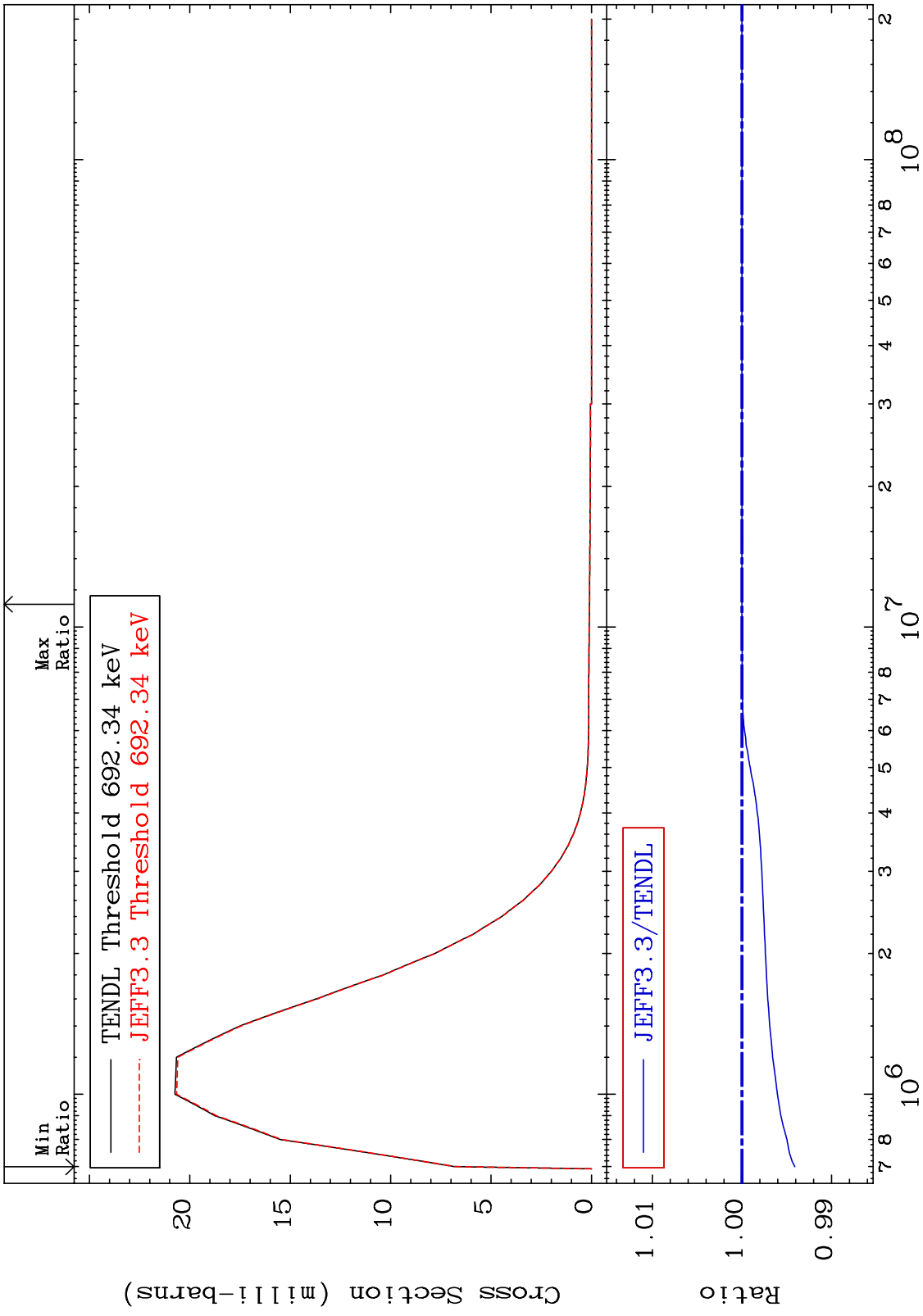
MAT 6719 MT= 73 (n,n') Level Cross Section 67-Ho-163 -0.561 To 0.000 %



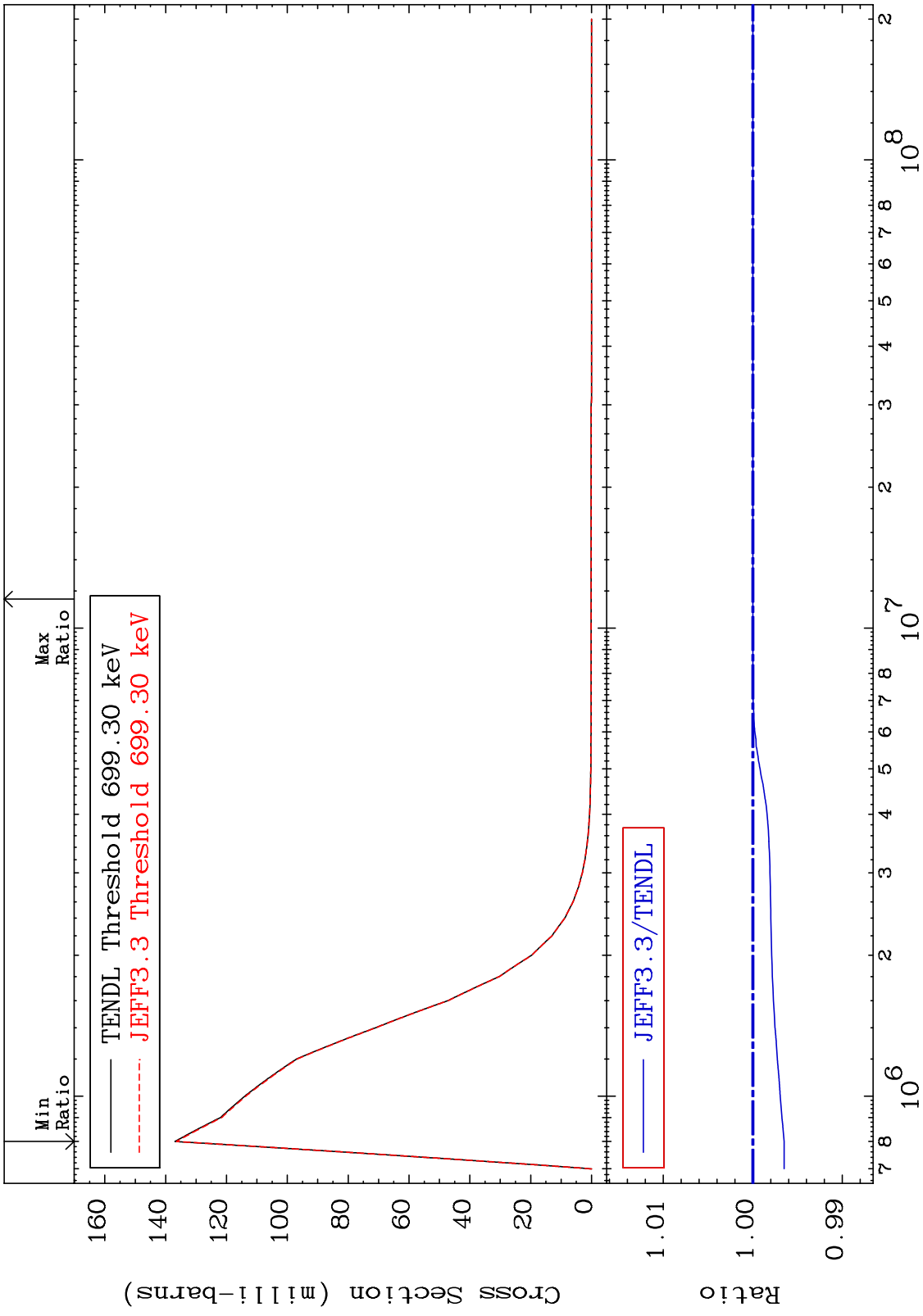
MAT 6719 MT= 74 (n,n') Level Cross Section 67-Ho-163
 -0.460 To 0.000 %



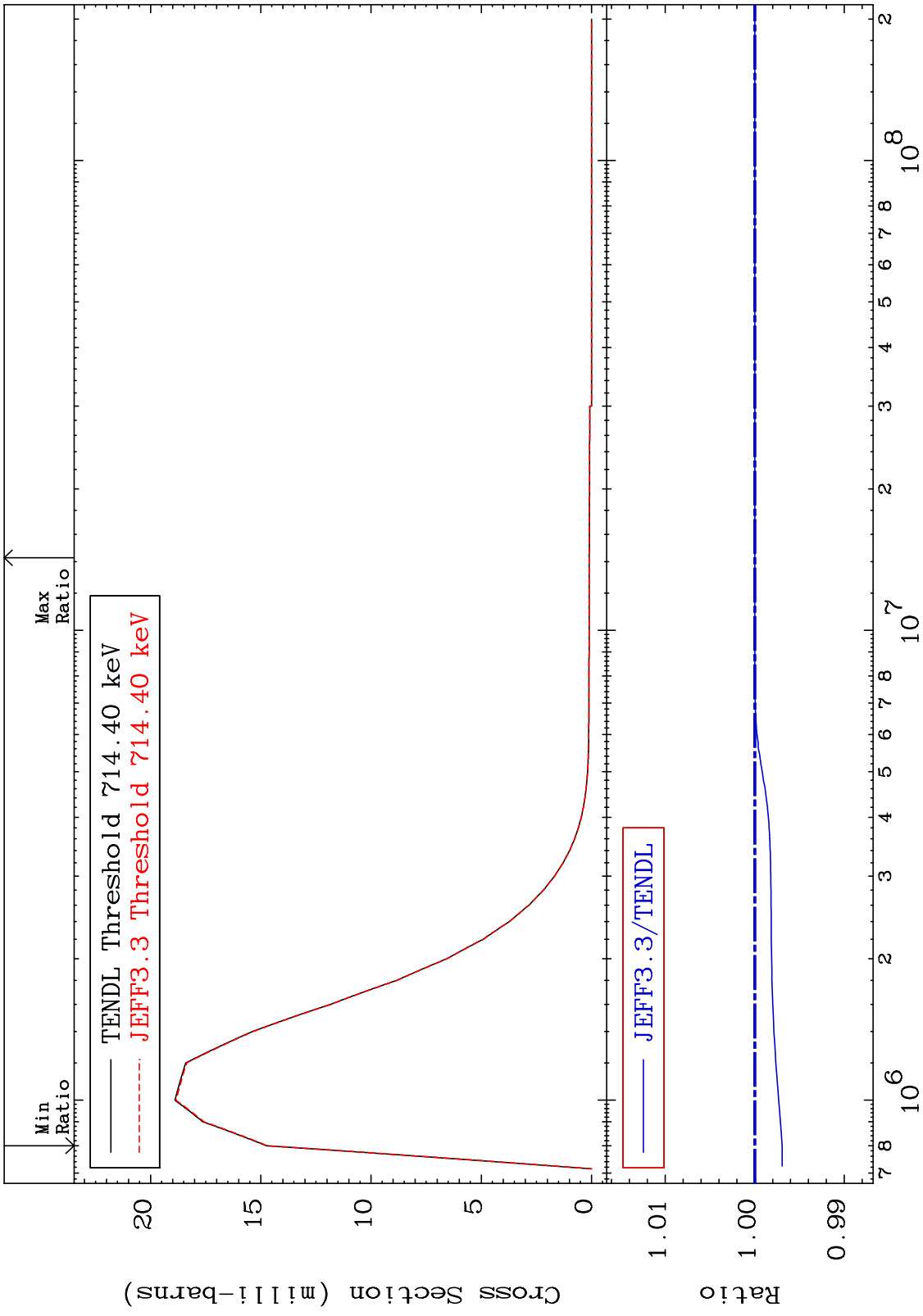
MAT 6719 MT= 75 (n,n') Level Cross Section 67-Ho-163
 -0.590 To 0.000 %



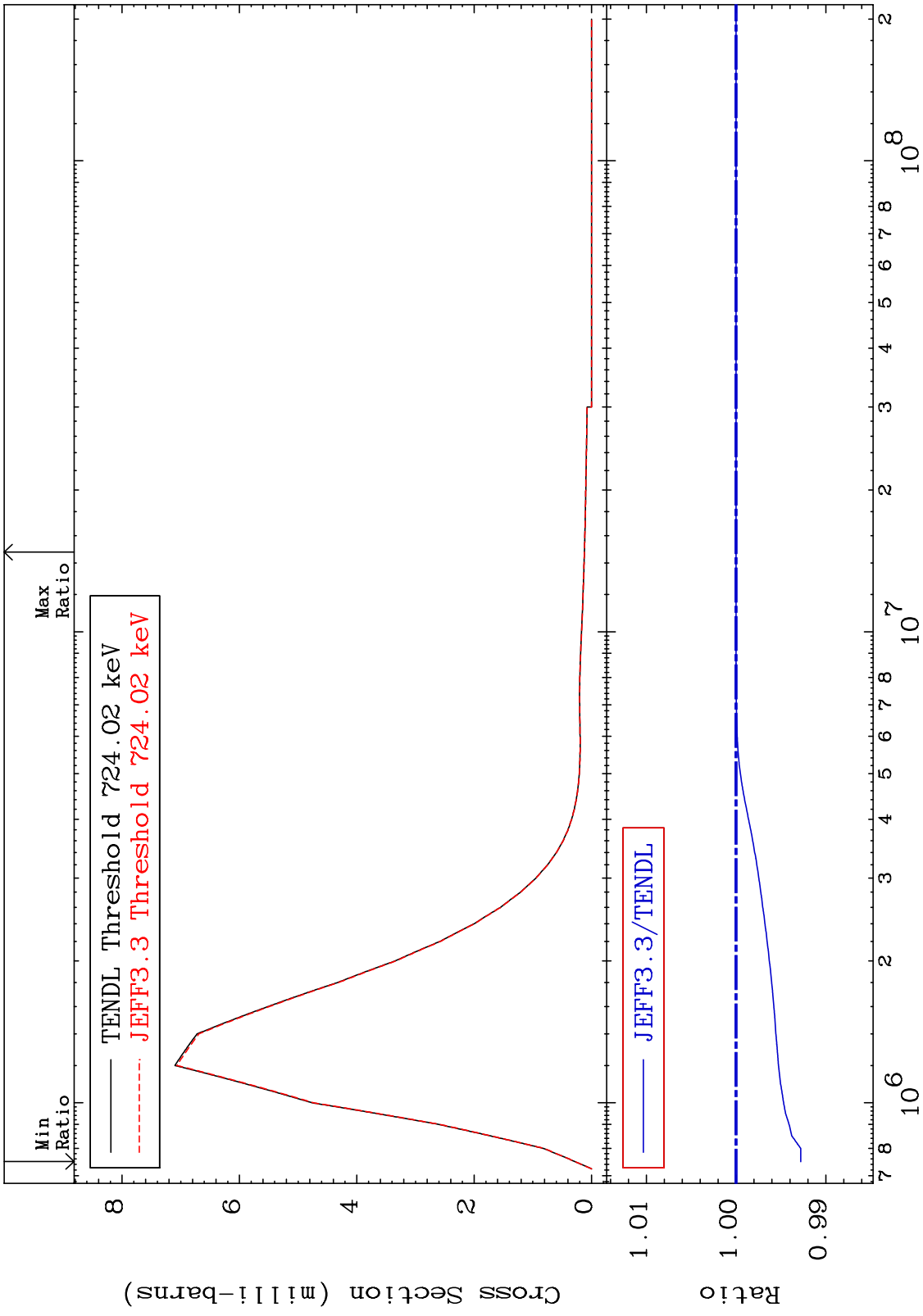
MAT 6719 MT= 76 (n,n') Level Cross Section 67-Ho-163
-0.350 To 0.000 %



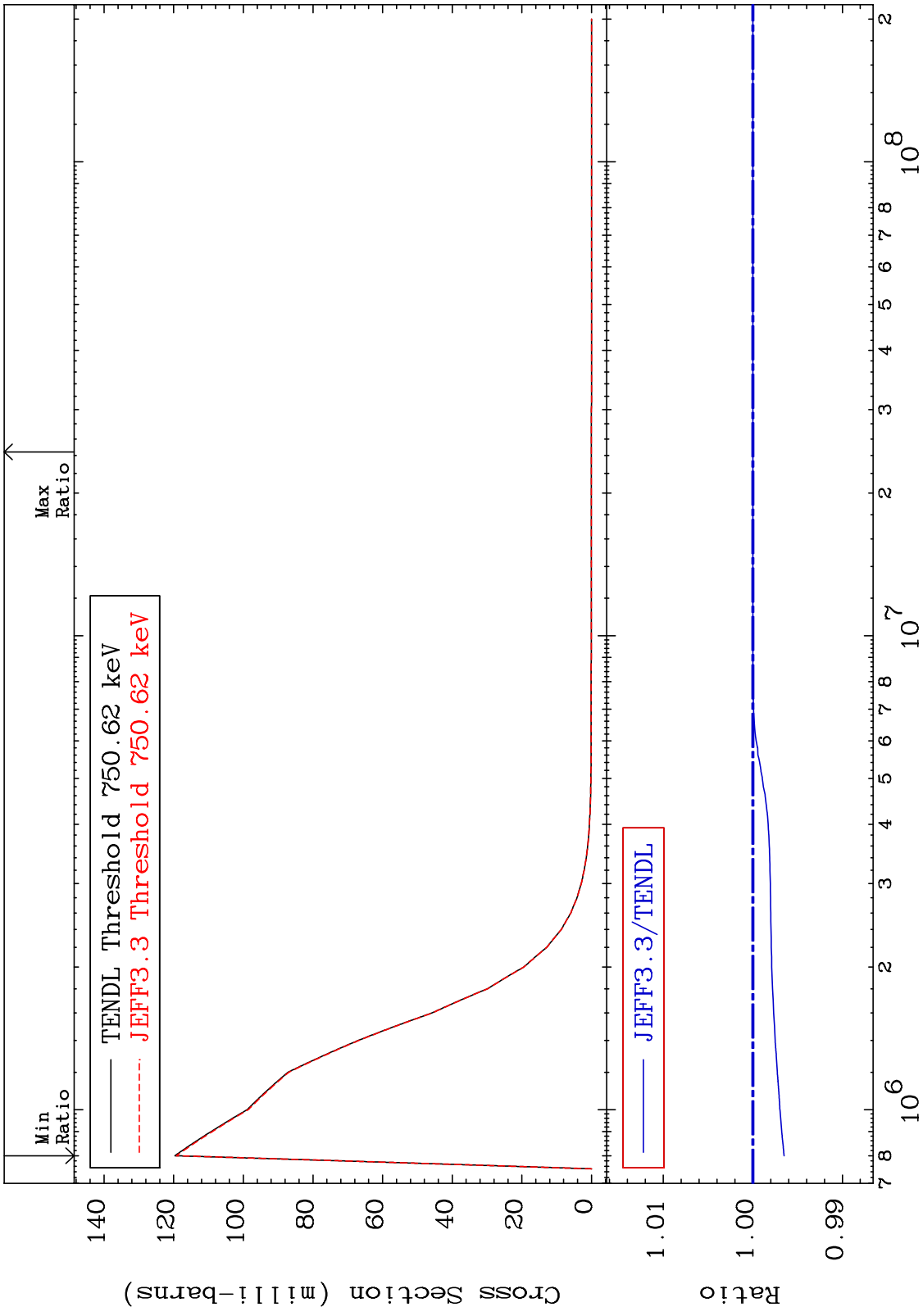
MAT 6719 MT= 77 (n,n') Level 67-Ho-163
 Cross Section -0.306 To 0.000 %



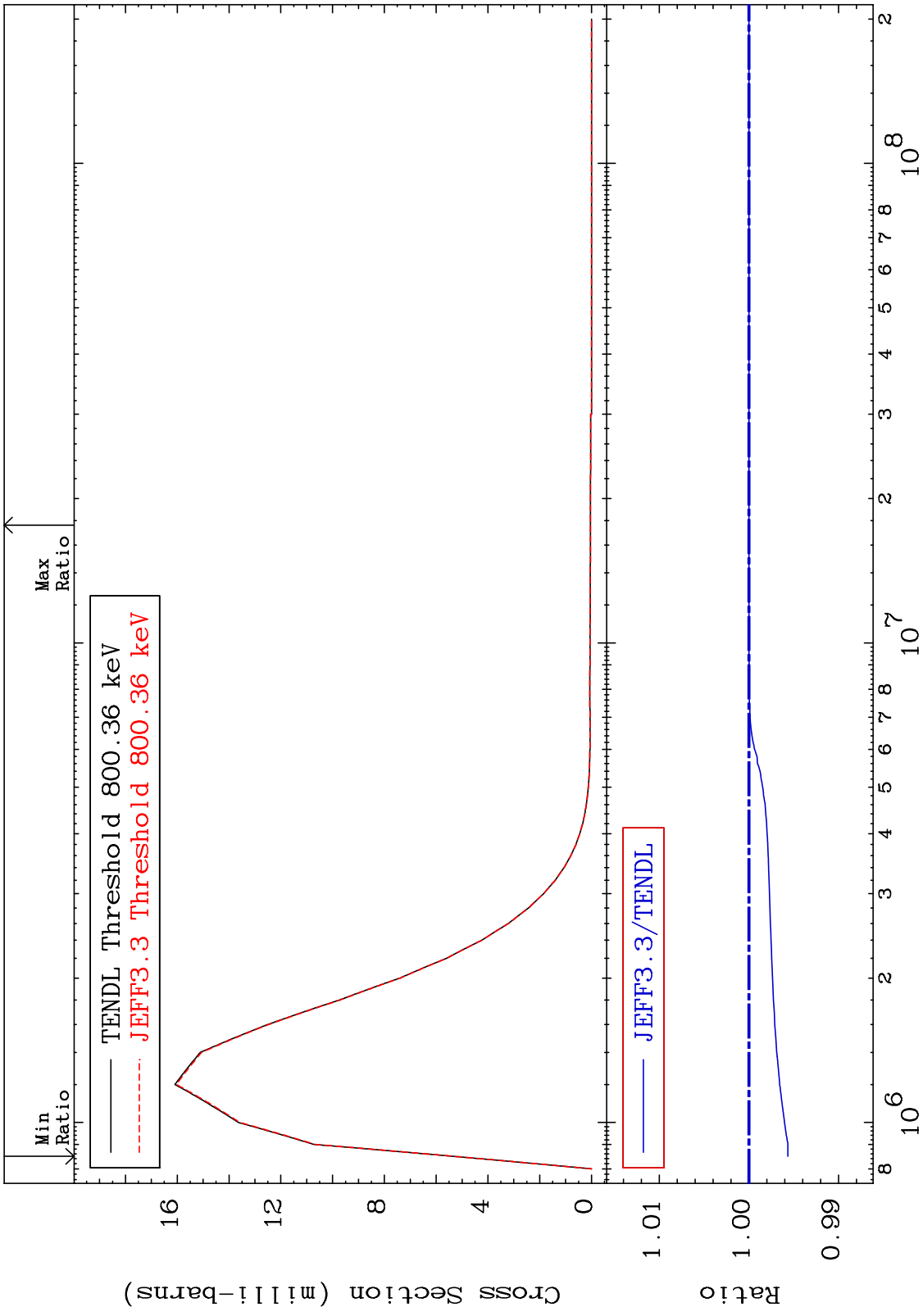
MAT 6719 MT= 78 (n,n') Level 67-Ho-163
 Cross Section -0.721 To 0.000 %



MAT 6719 MT= 79 (n,n') Level 67-Ho-163
 Cross Section -0.349 To 0.000 %



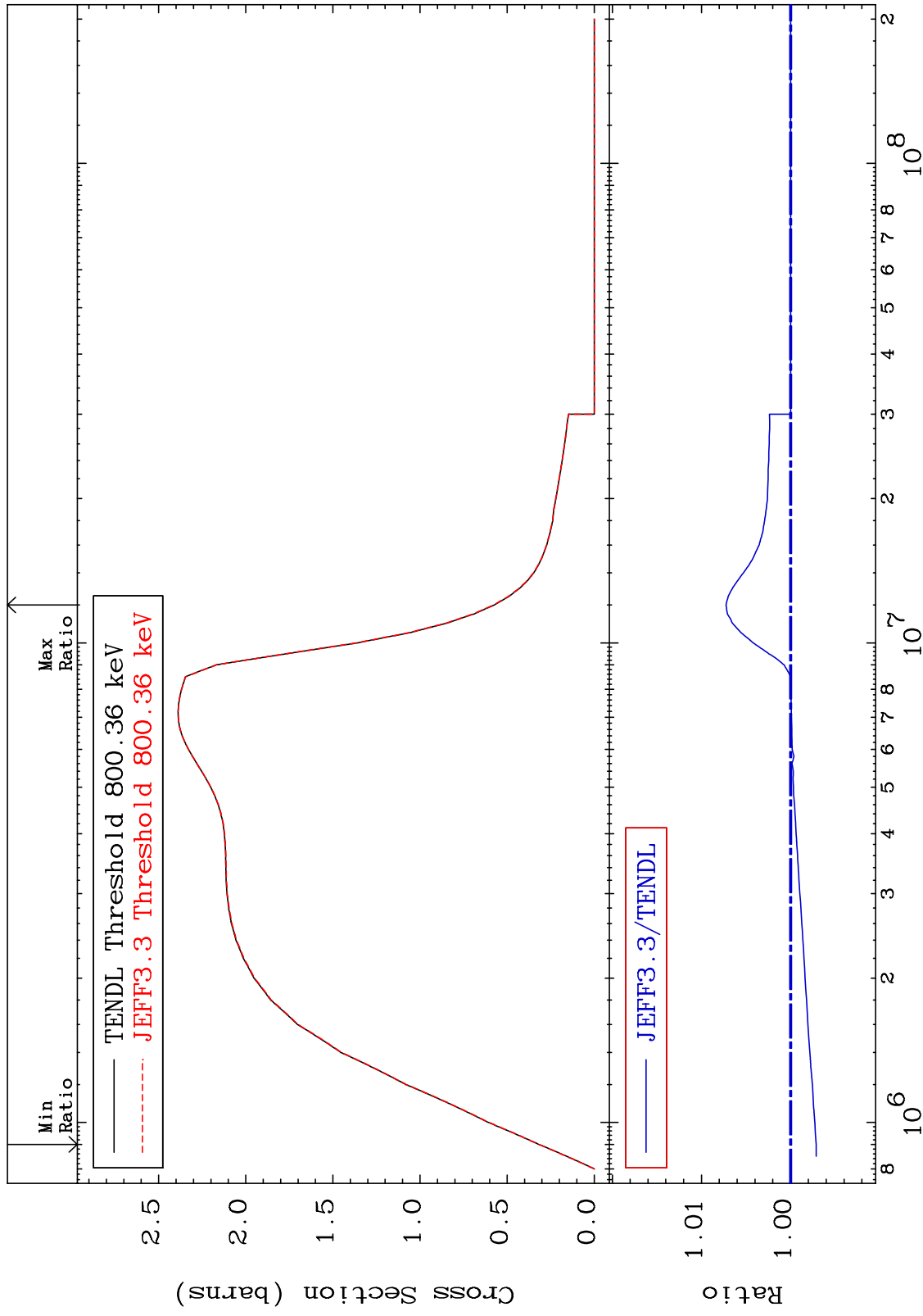
MAT 6719 MT= 80 (n,n') Level Cross Section 67-Ho-163
-0.434 To 0.000 %



MAT 6719

(n, n') Continuum
Cross Section

67-Ho-163
-0.286 To 0.725 %



50

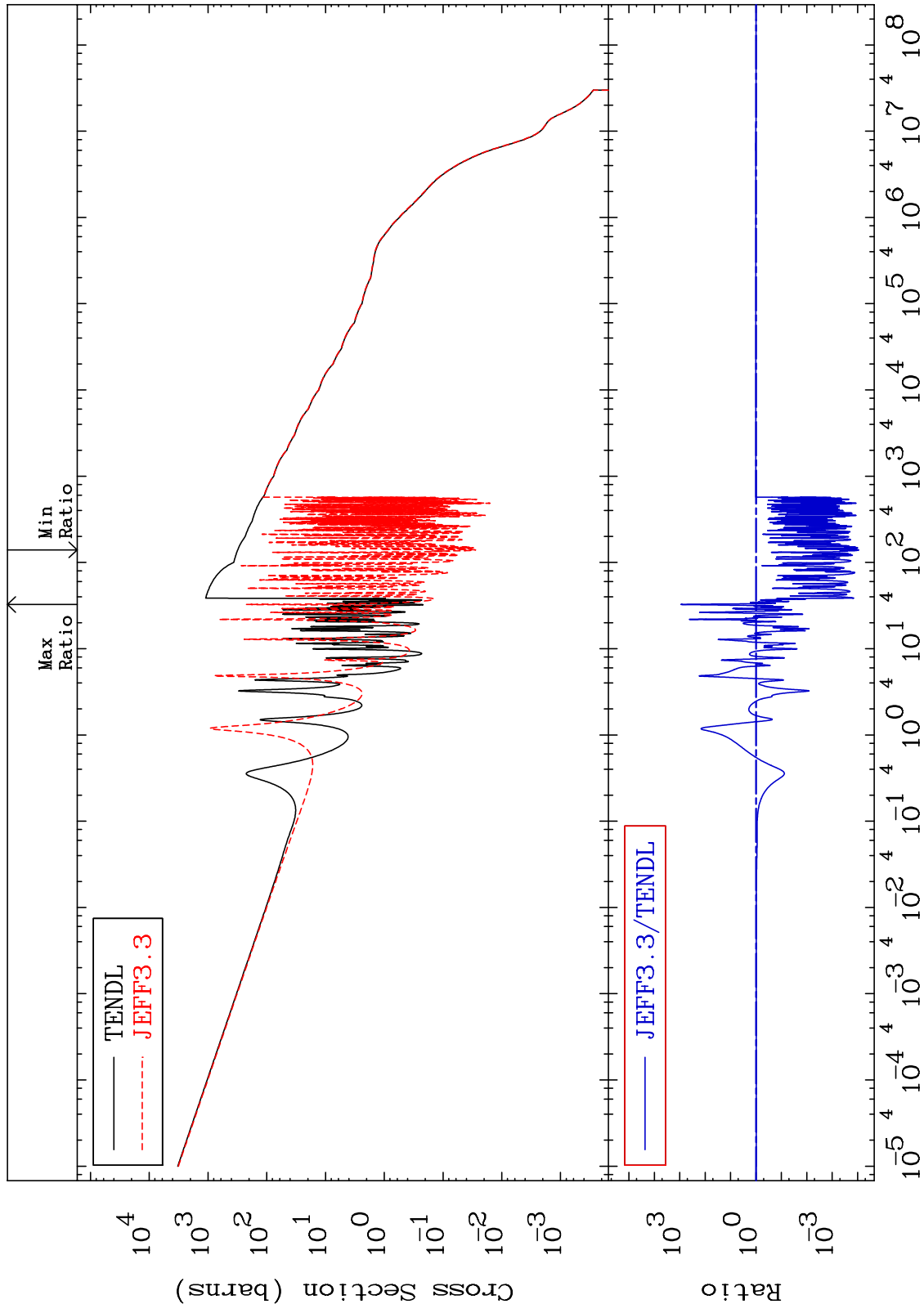
Incident Energy (eV)

67-Ho-163

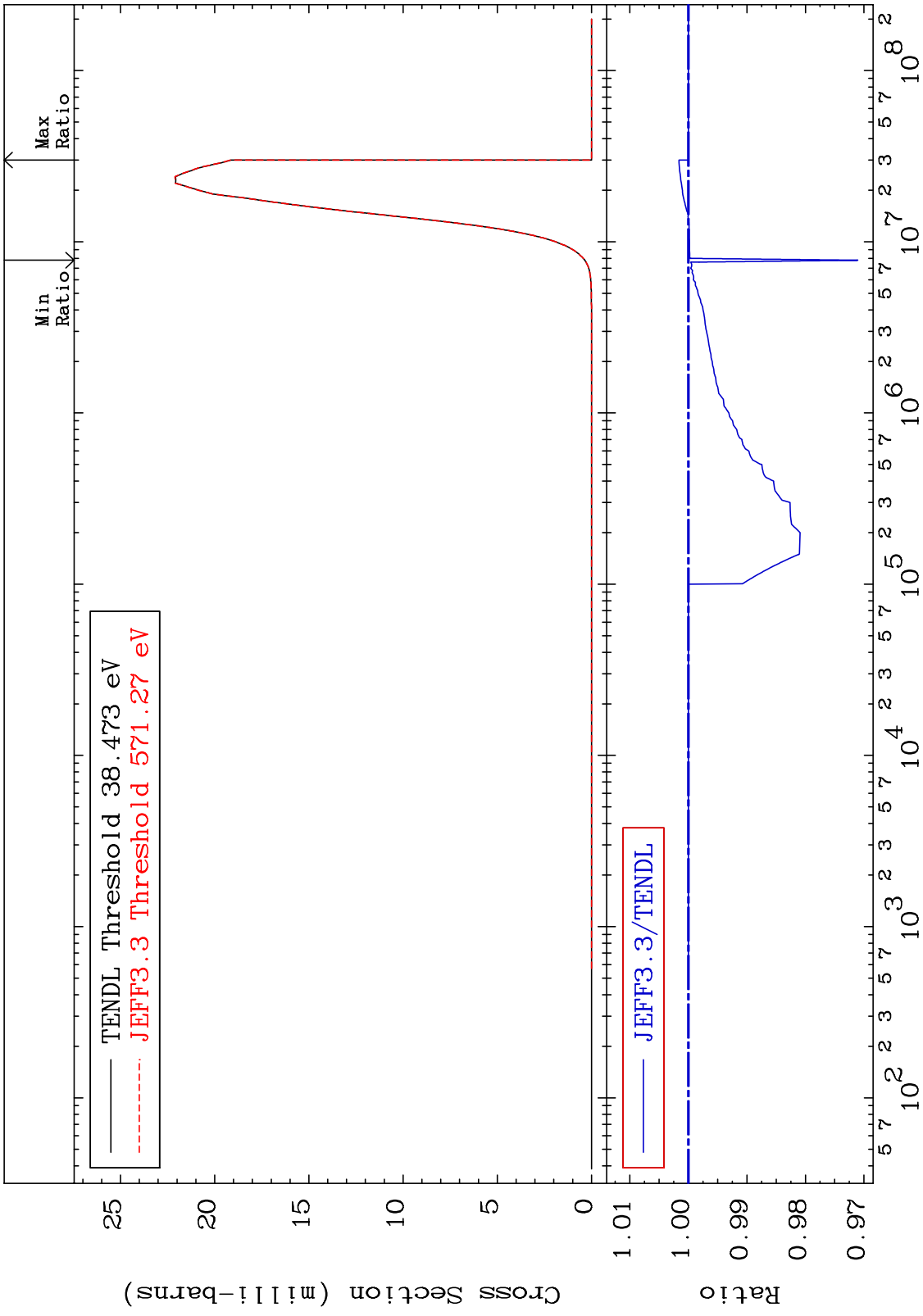
MAT 6719

(n, γ)
Cross Section
Max Ratio
Min Ratio

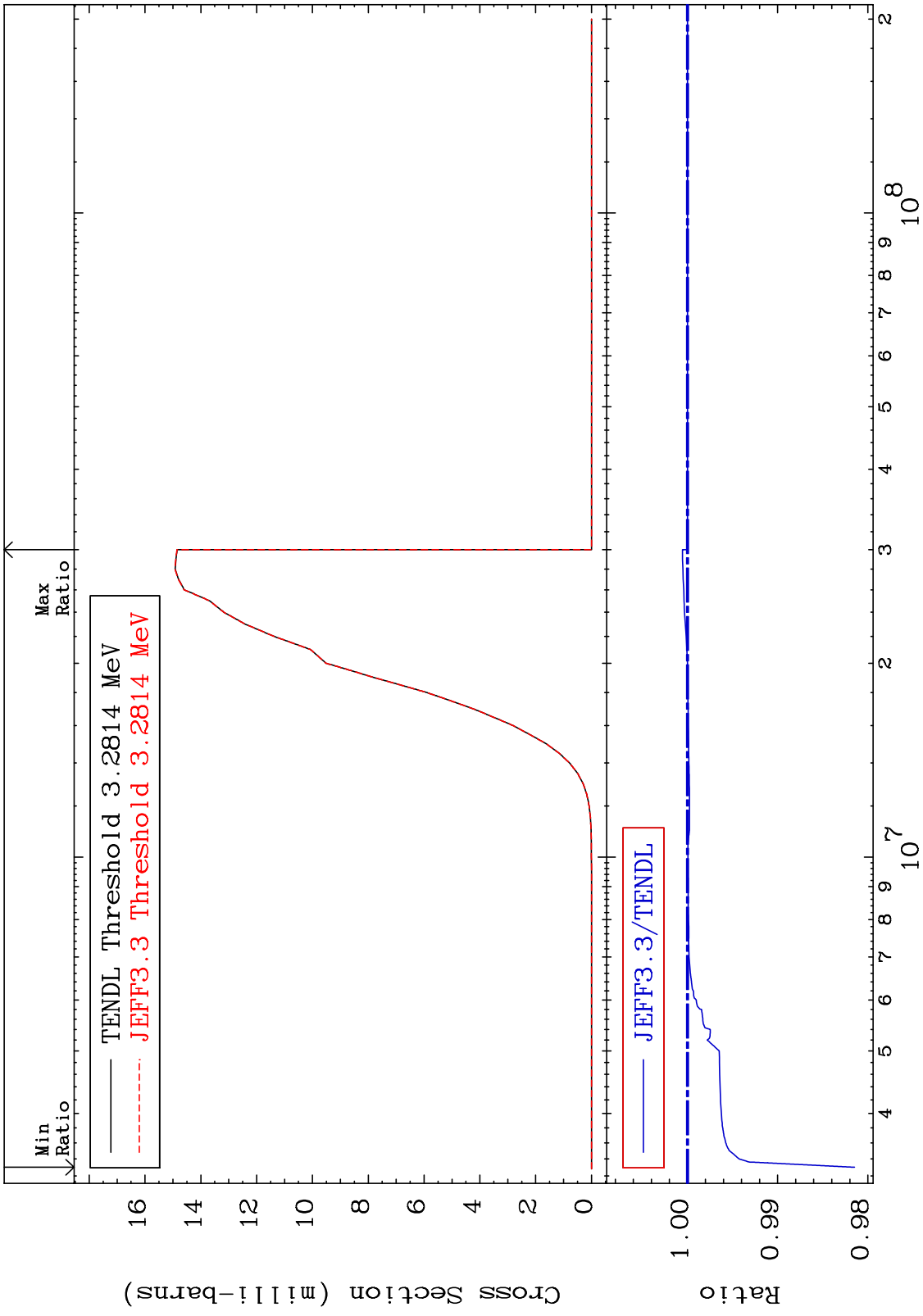
67-Ho-163
-99.99 To 9999. %



MAT 6719 (n,p) Cross Section 67-Ho-163
 -2.895 To 0.159 %



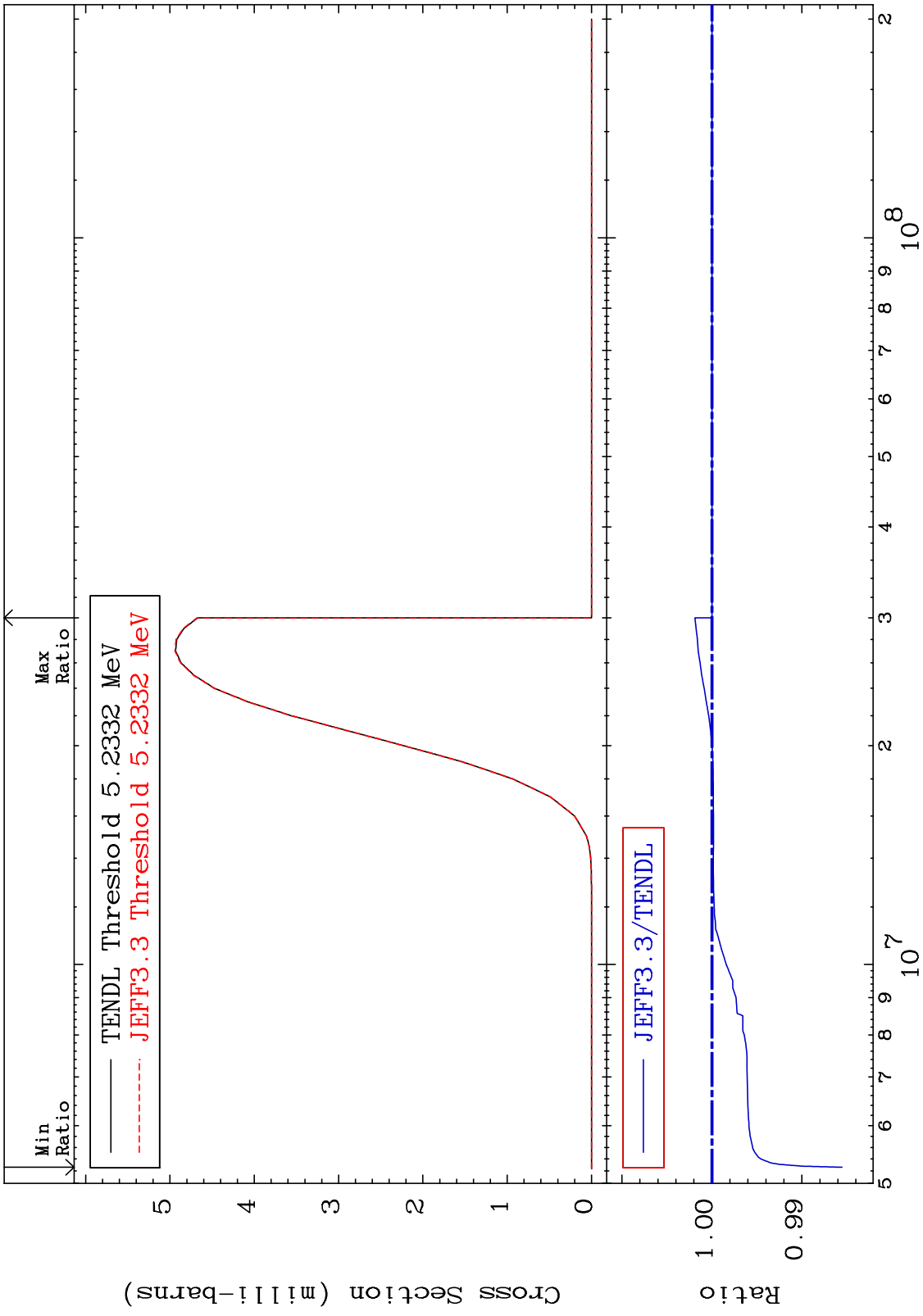
MAT 6719 $^{67}\text{Ho-163}$ (n,d) Cross Section -1.851 To 0.055 %



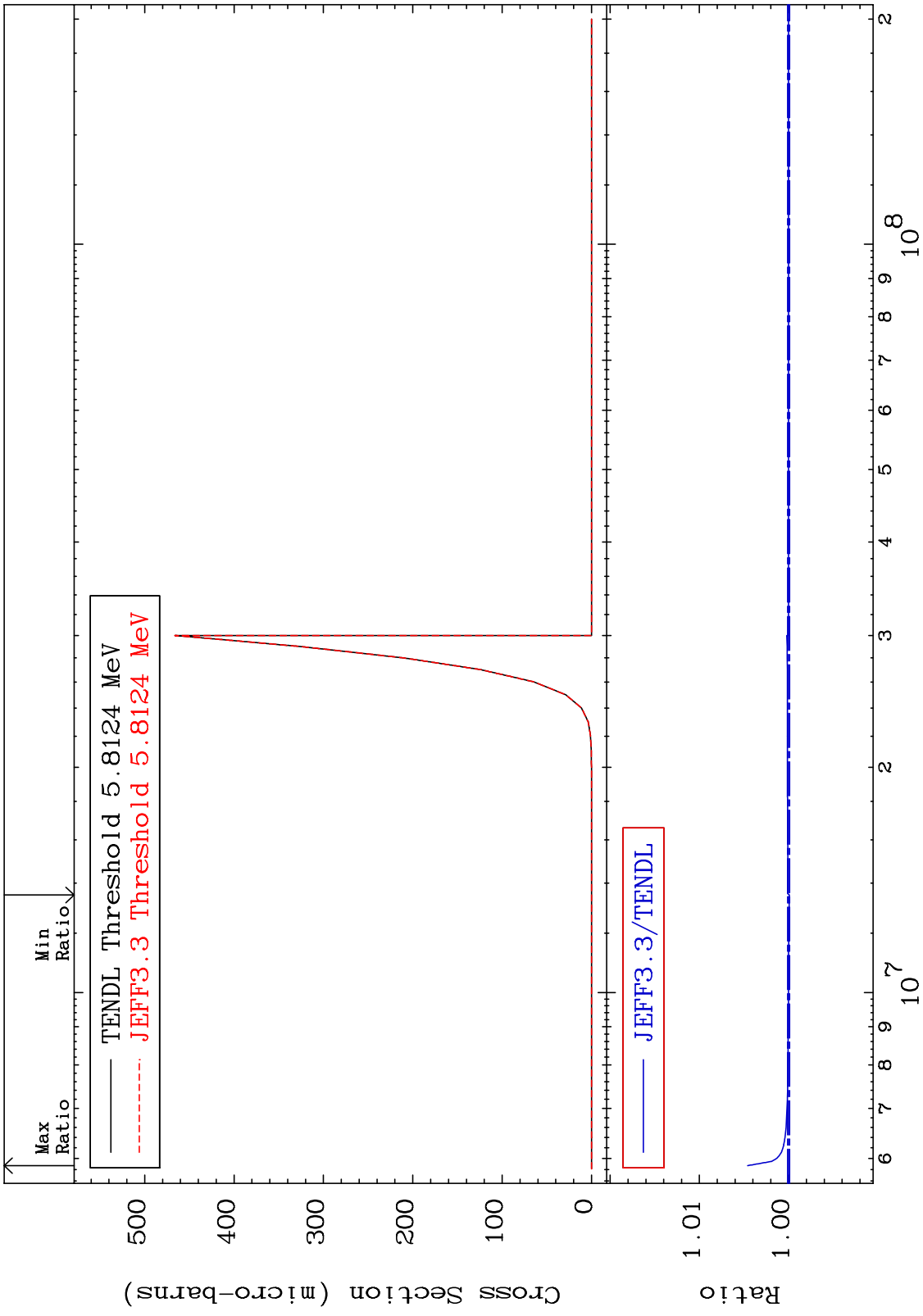
MAT 6719

67-Ho-163

(n,t)
Cross Section
-1.446 To 0.189 %



MAT 6719 (n, He-3) 67-Ho-163
 Cross Section -0.008 To 0.460 %



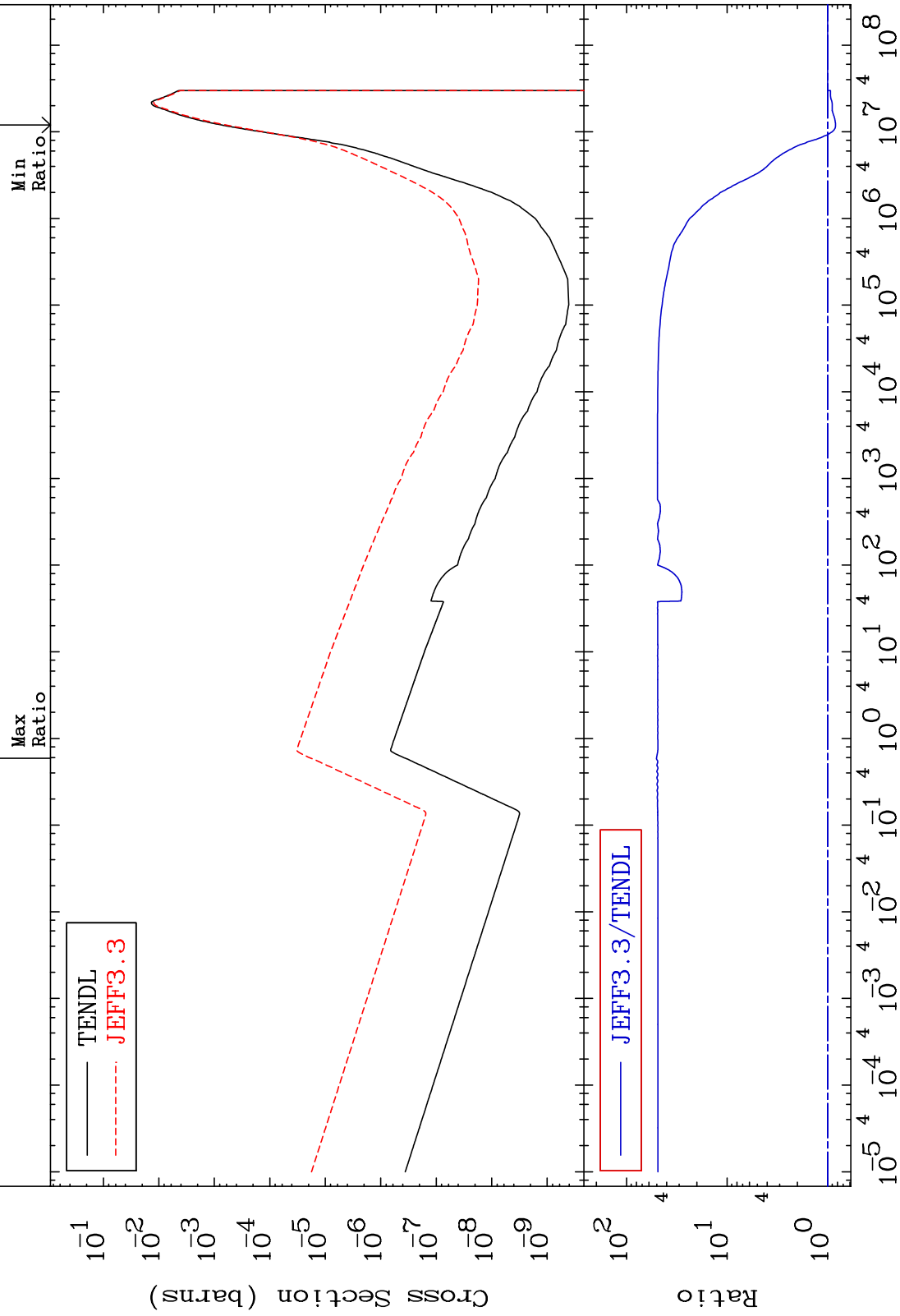
MAT 6719

(n, α)

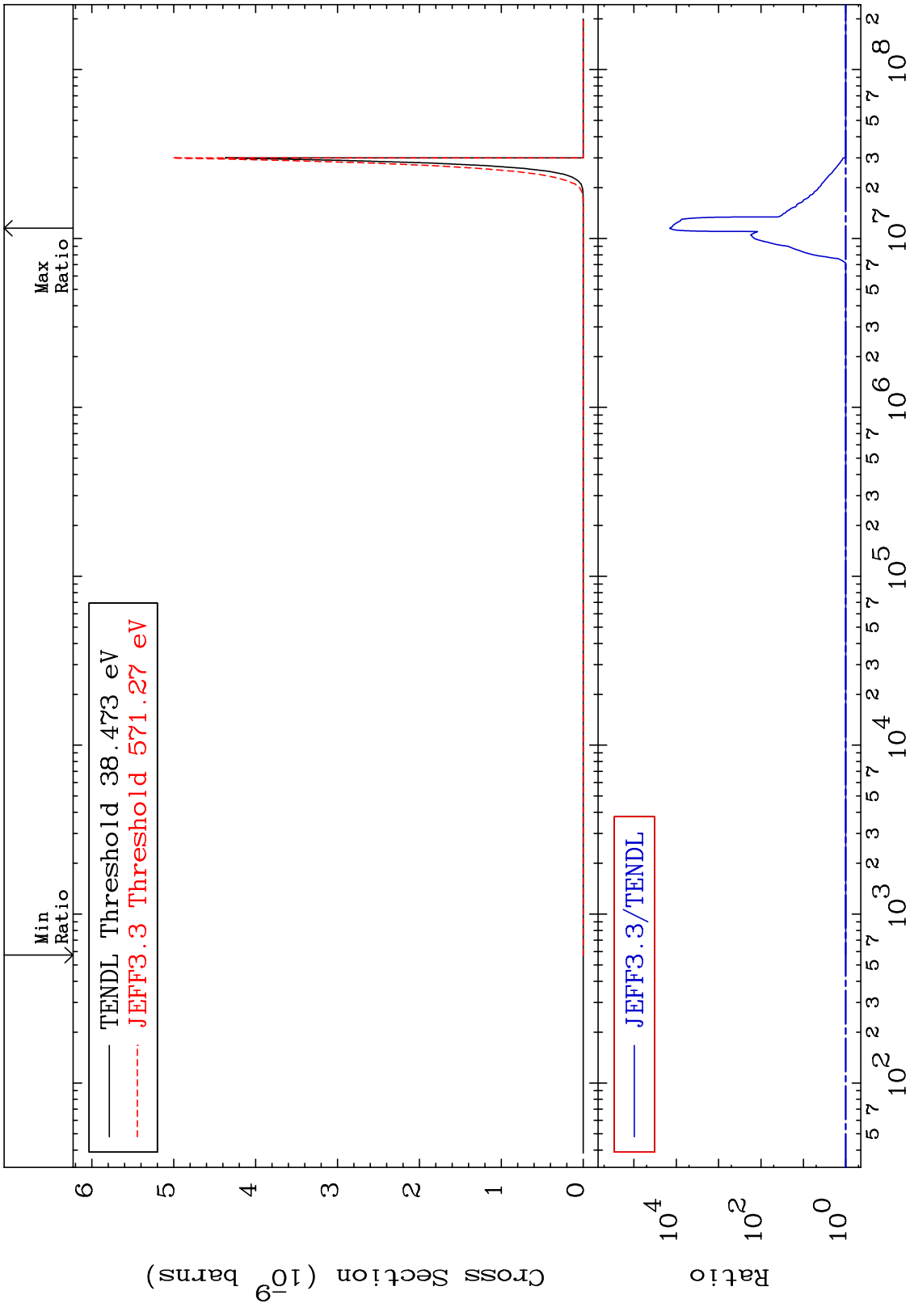
67-Ho-163

-16.57 To 4951. %

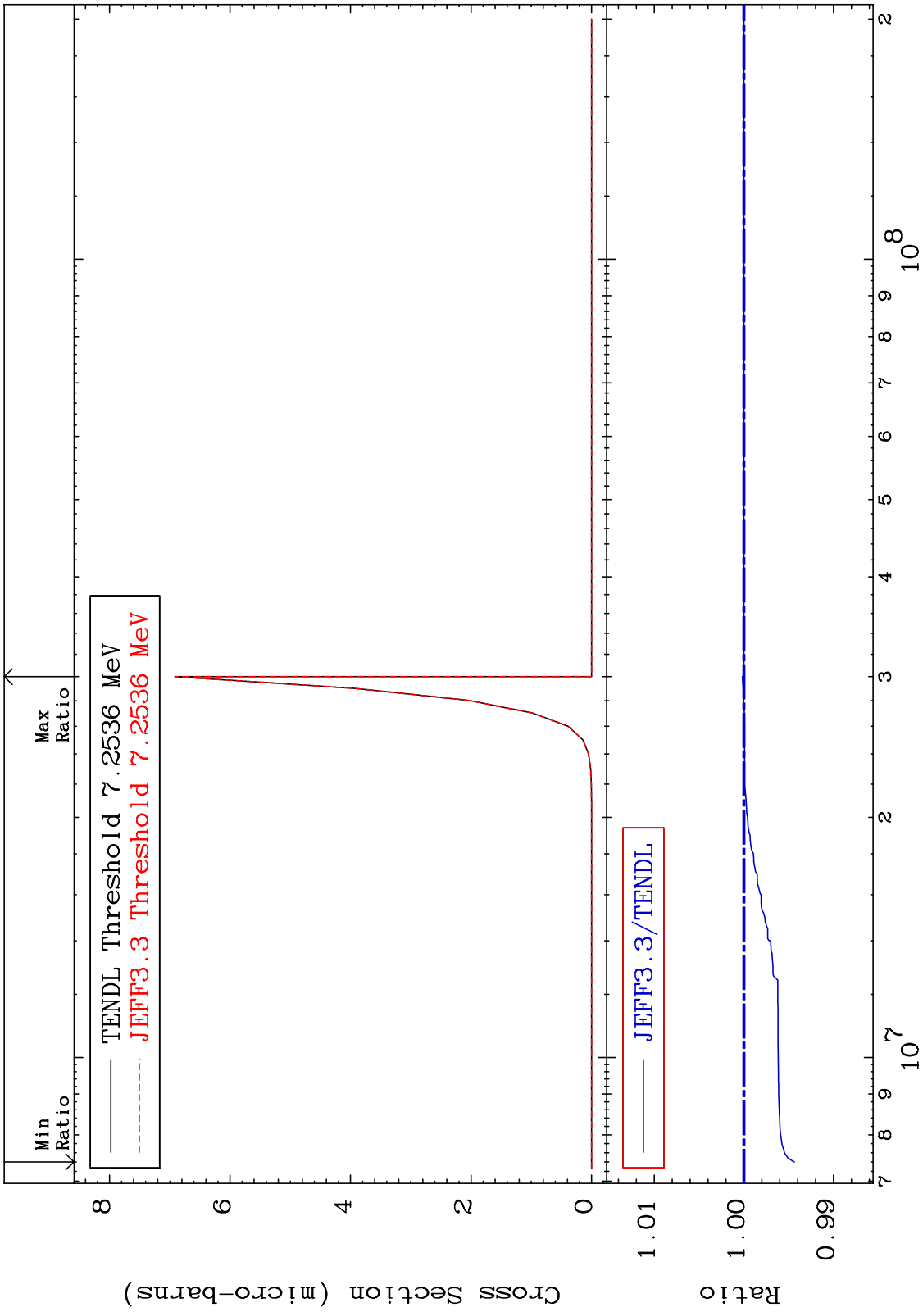
Cross Section

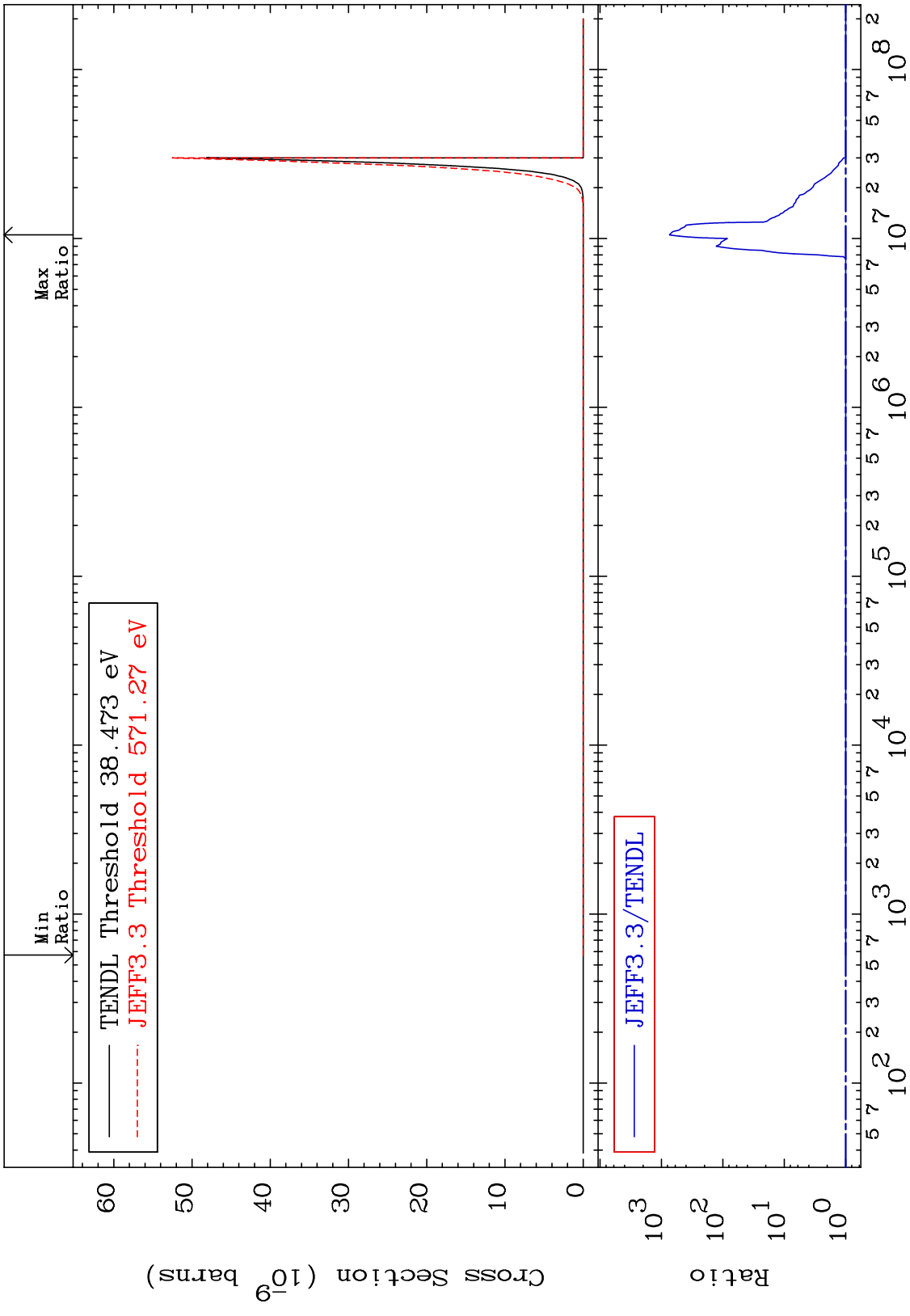


MAT 6719 (n,2α) Cross Section 67-Ho-163 To 9999. %

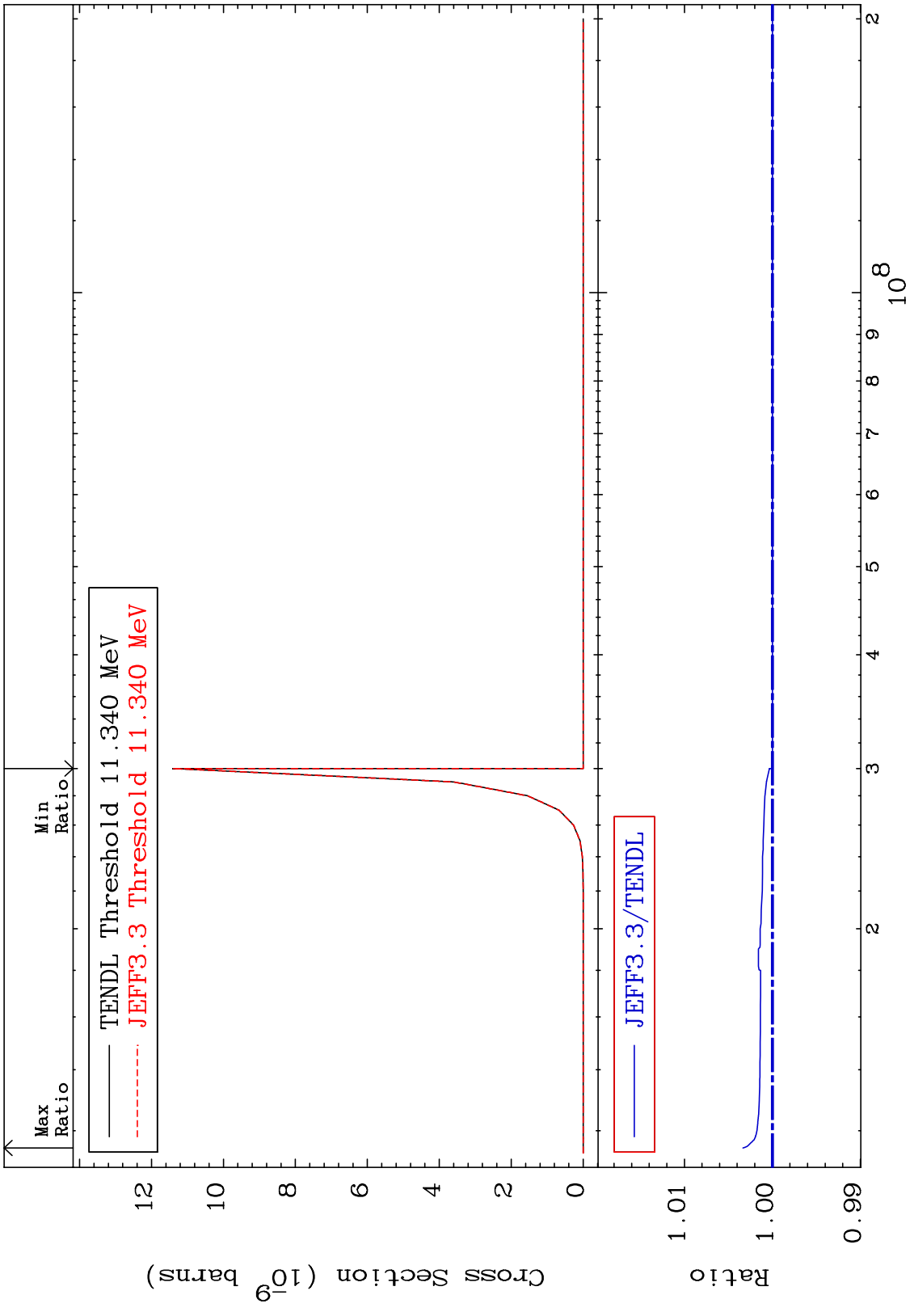


MAT 6719 $^{67}\text{Ho-163}$ (n,2p) Cross Section -0.563 To 0.017 %

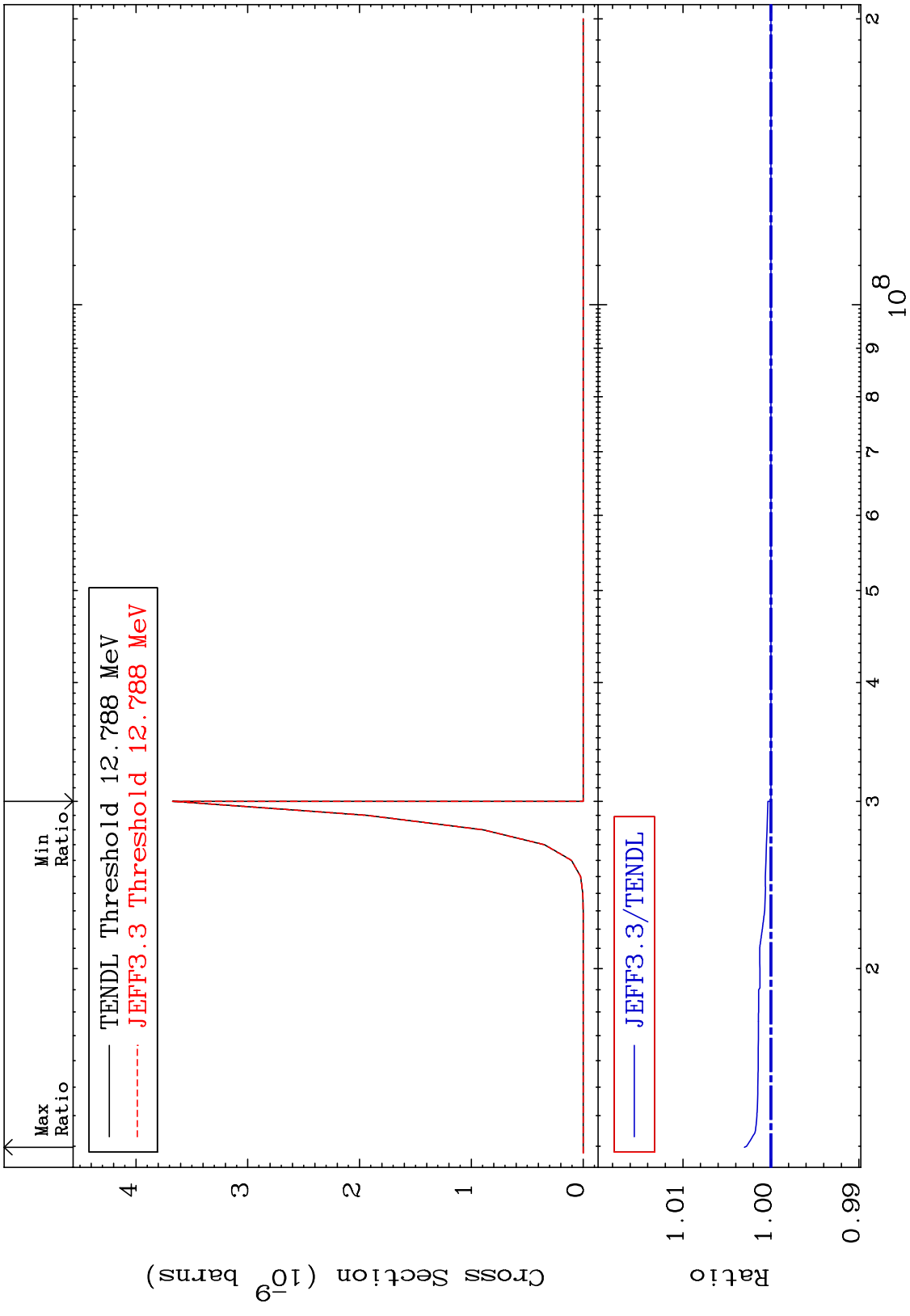




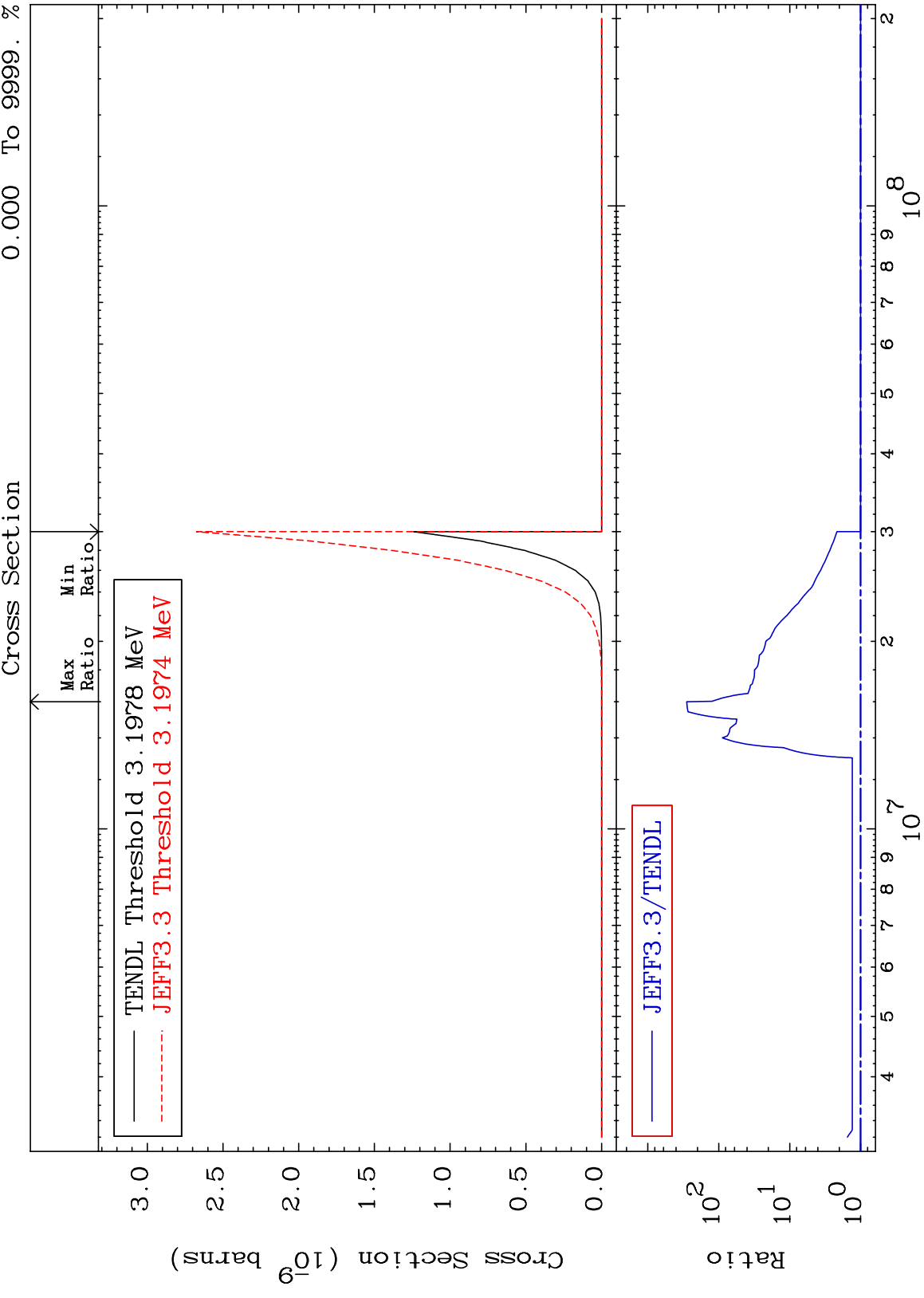
MAT 6719 (n,p) d 67-Ho-163
Cross Section 0.000 To 0.336 %



MAT 6719 (n,p) t 67-Ho-163
 Cross Section 0.000 To 0.302 %



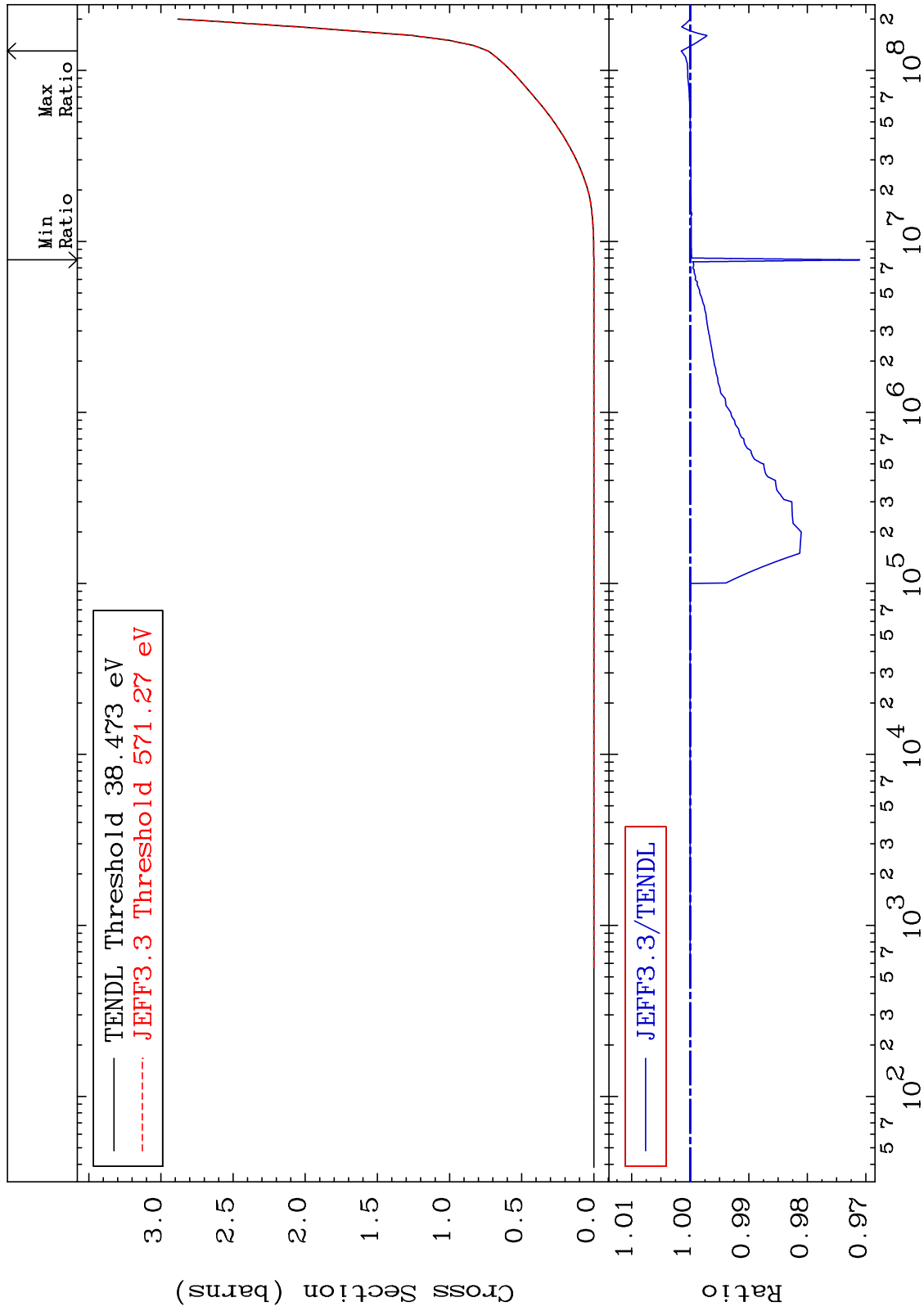
MAT 6719 $(n, d) \alpha$ 67-Ho-163 To 9999. %



MAT 6719

Hydrogen Production
Cross Section

67-Ho-163
-2.895 To 0.153 %

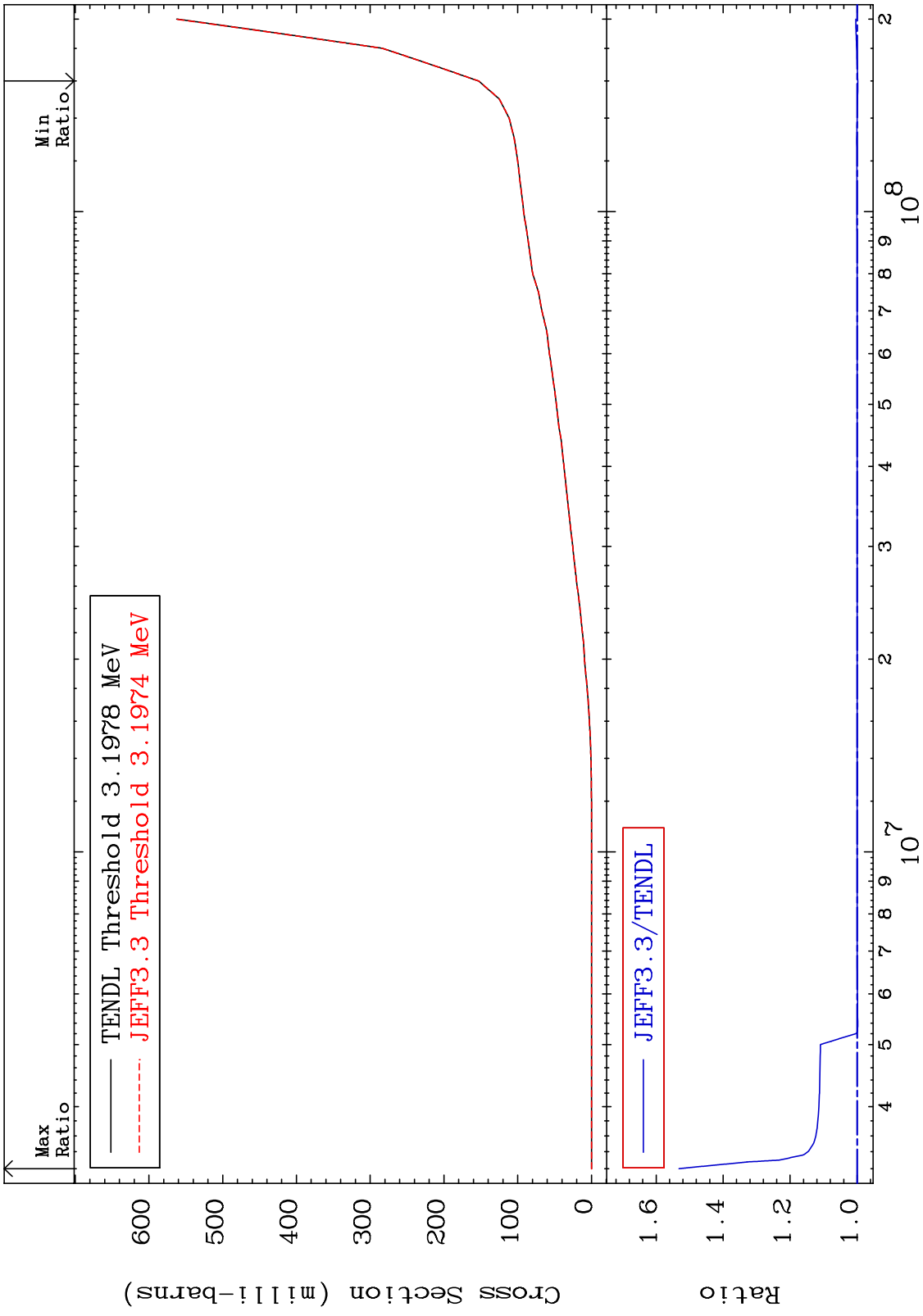


63

Incident Energy (eV)

67-Ho-163

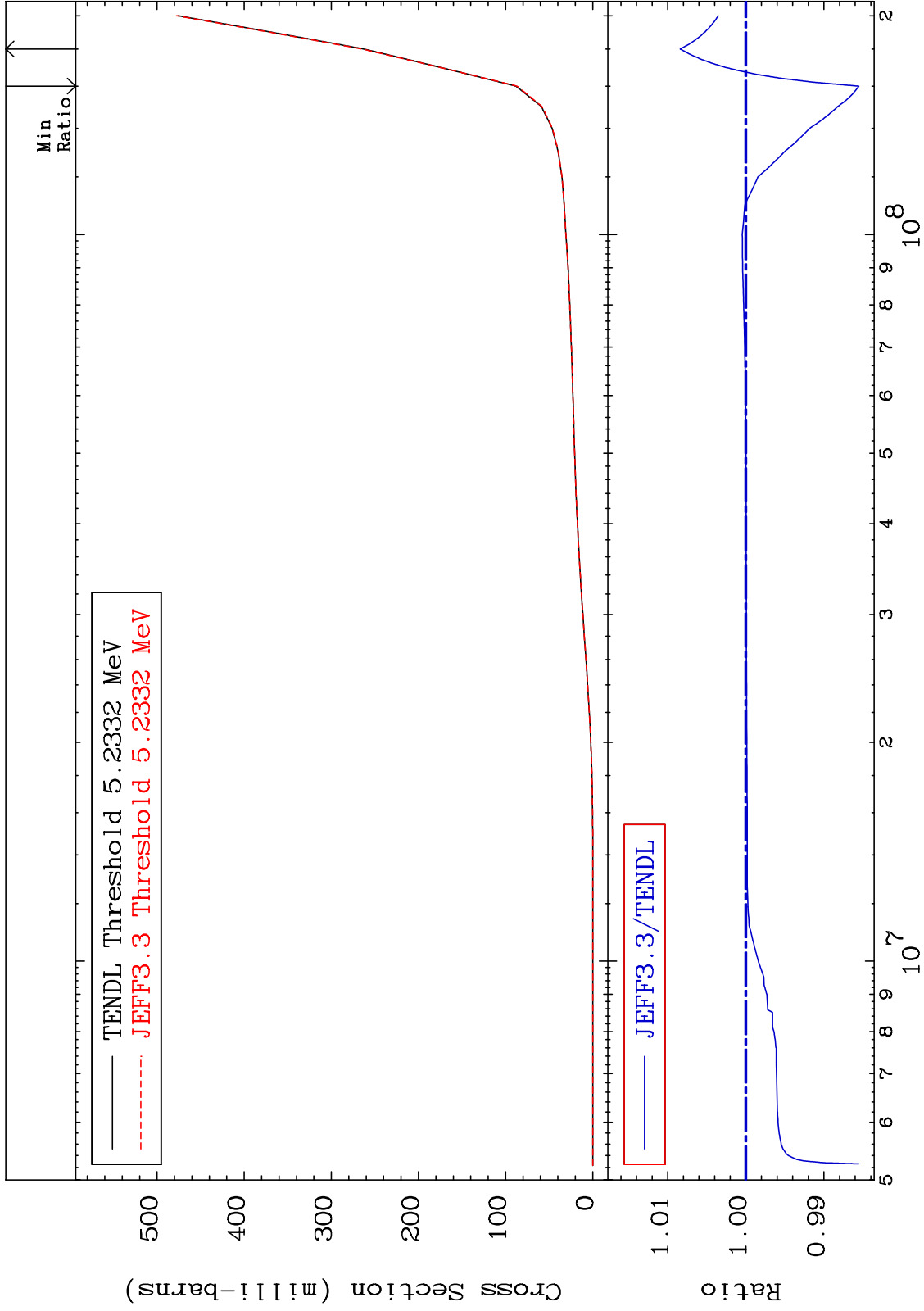
MAT 6719 Deuterium Production Cross Section 67-Ho-163
 -0.216 To 53.16 %



MAT 6719

Tritium Production
Cross Section

67-Ho-163
-1.447 To 0.840 %



65

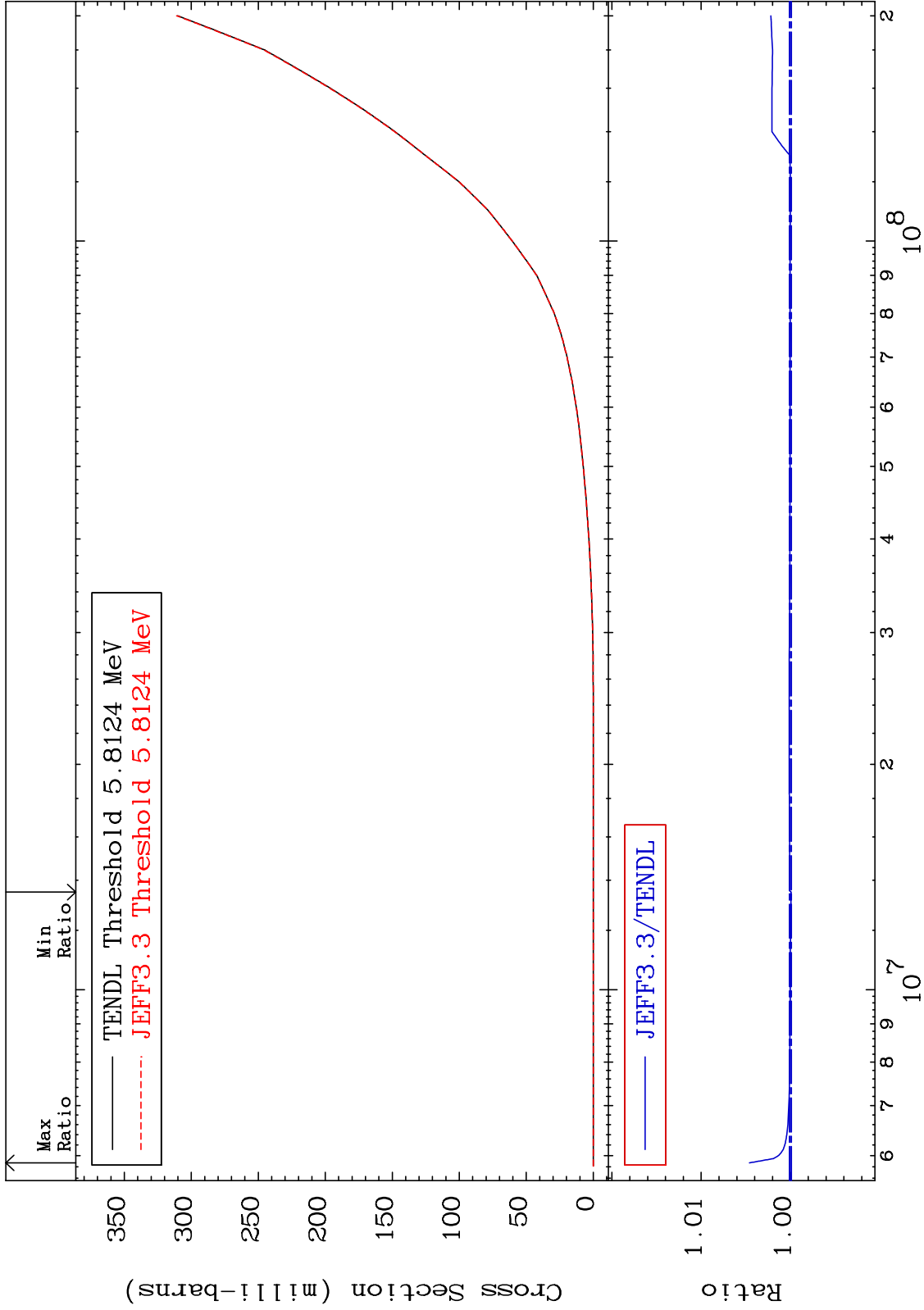
Incident Energy (eV)

67-Ho-163

MAT 6719

He-3 Production
Cross Section

67-Ho-163
-0.008 To 0.460 %



66

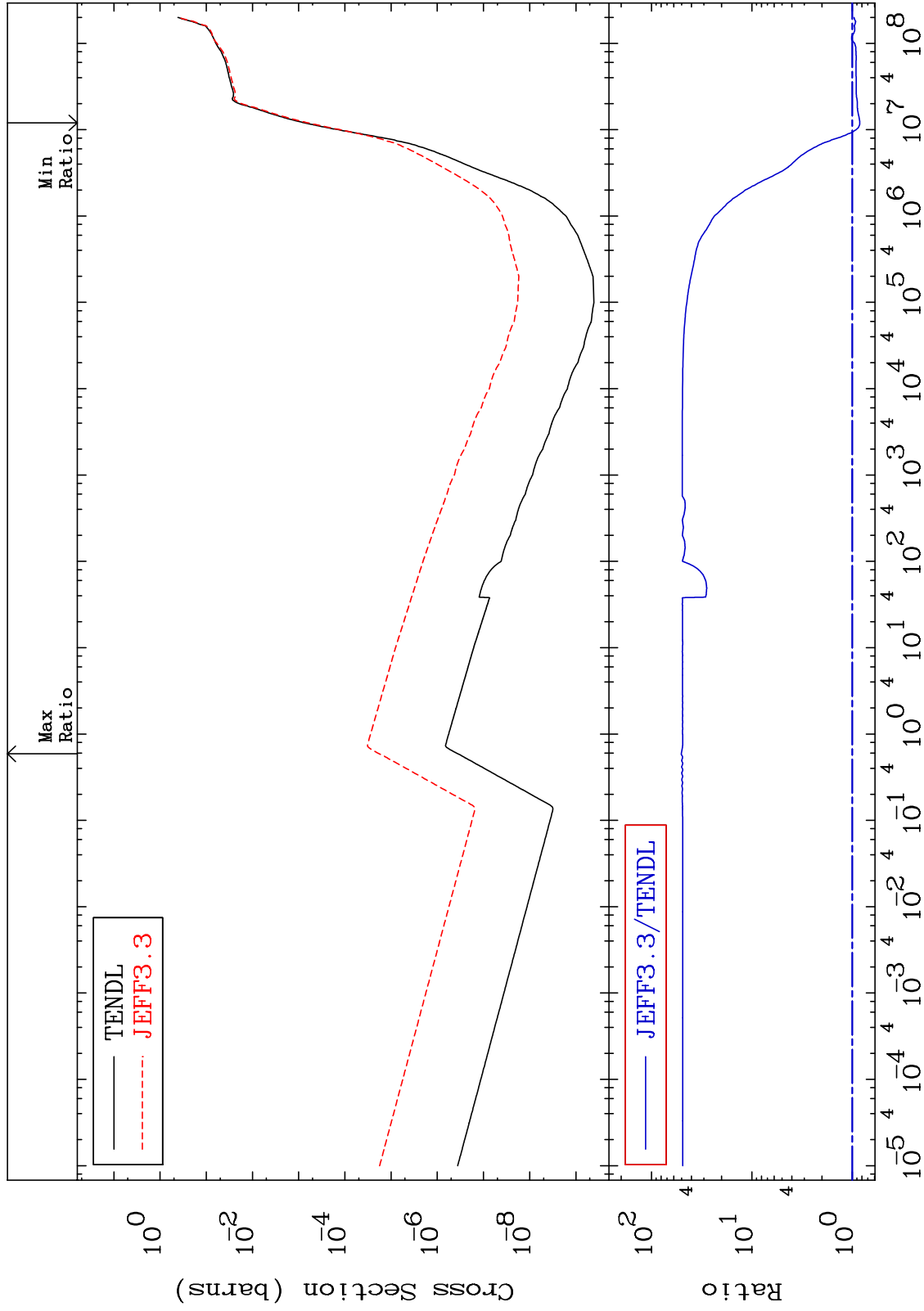
Incident Energy (eV)

67-Ho-163

MAT 6719

He-4 Production
Cross Section

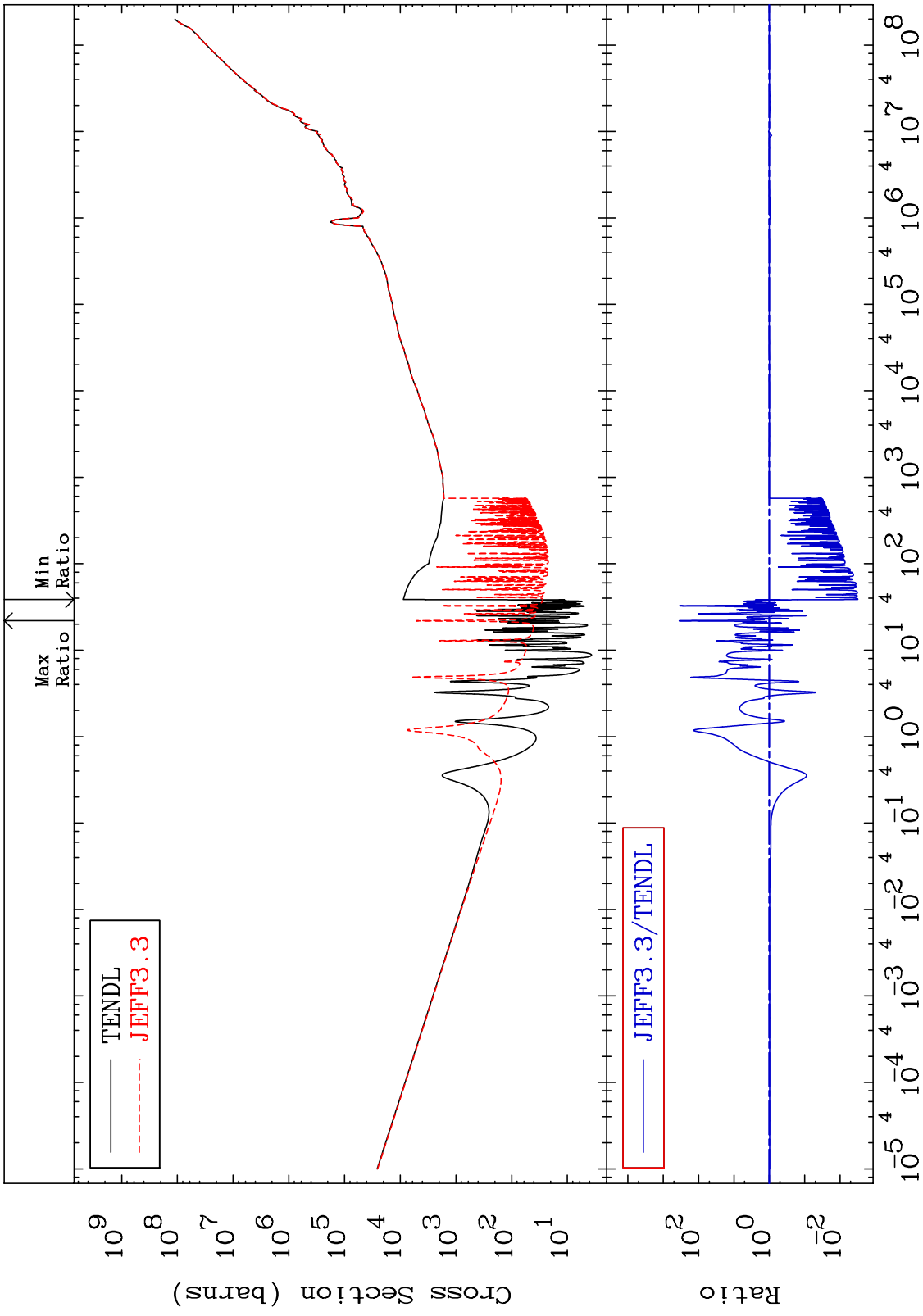
67-Ho-163
-15.82 To 4951. %



67

Incident Energy (eV)

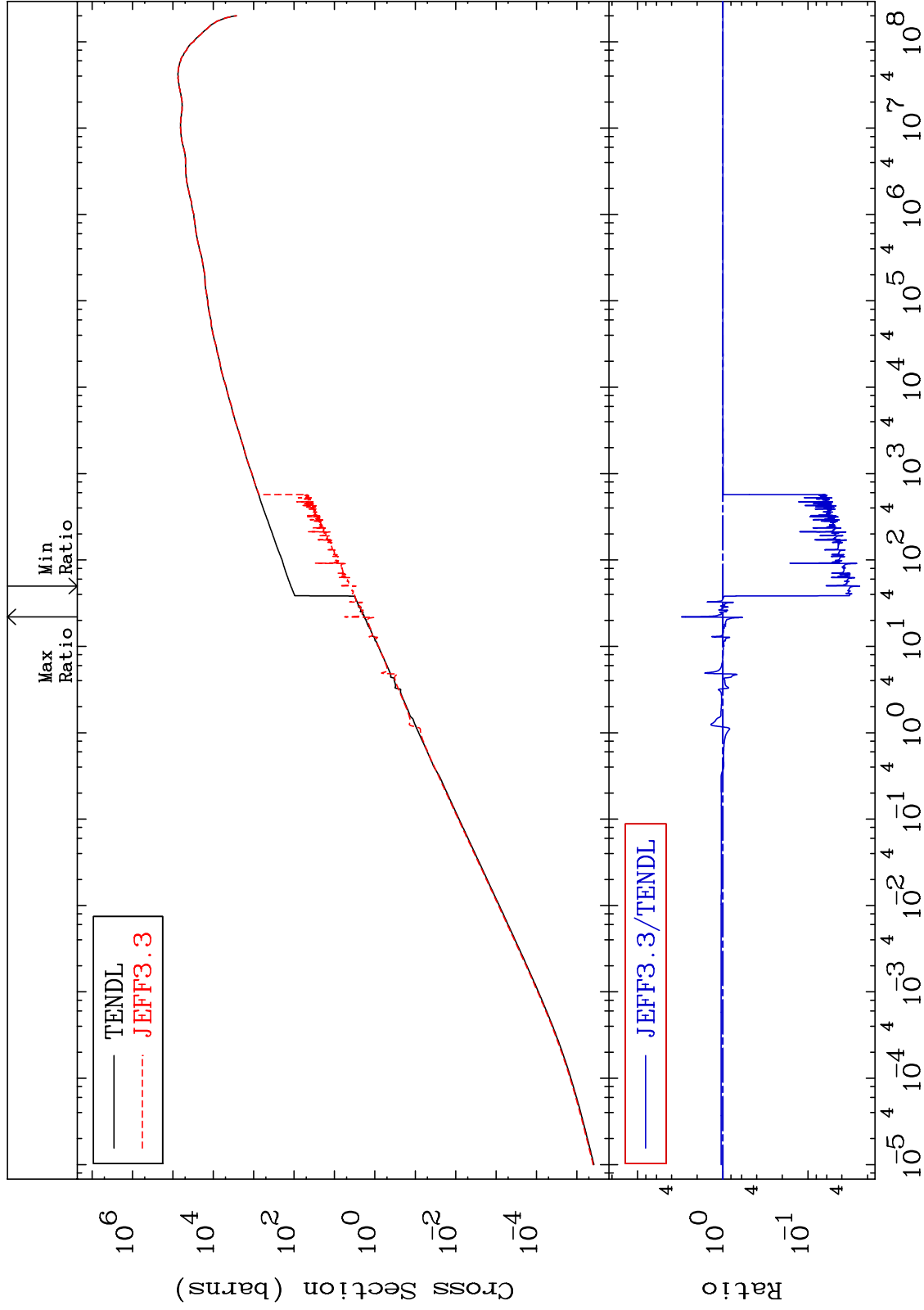
67-Ho-163



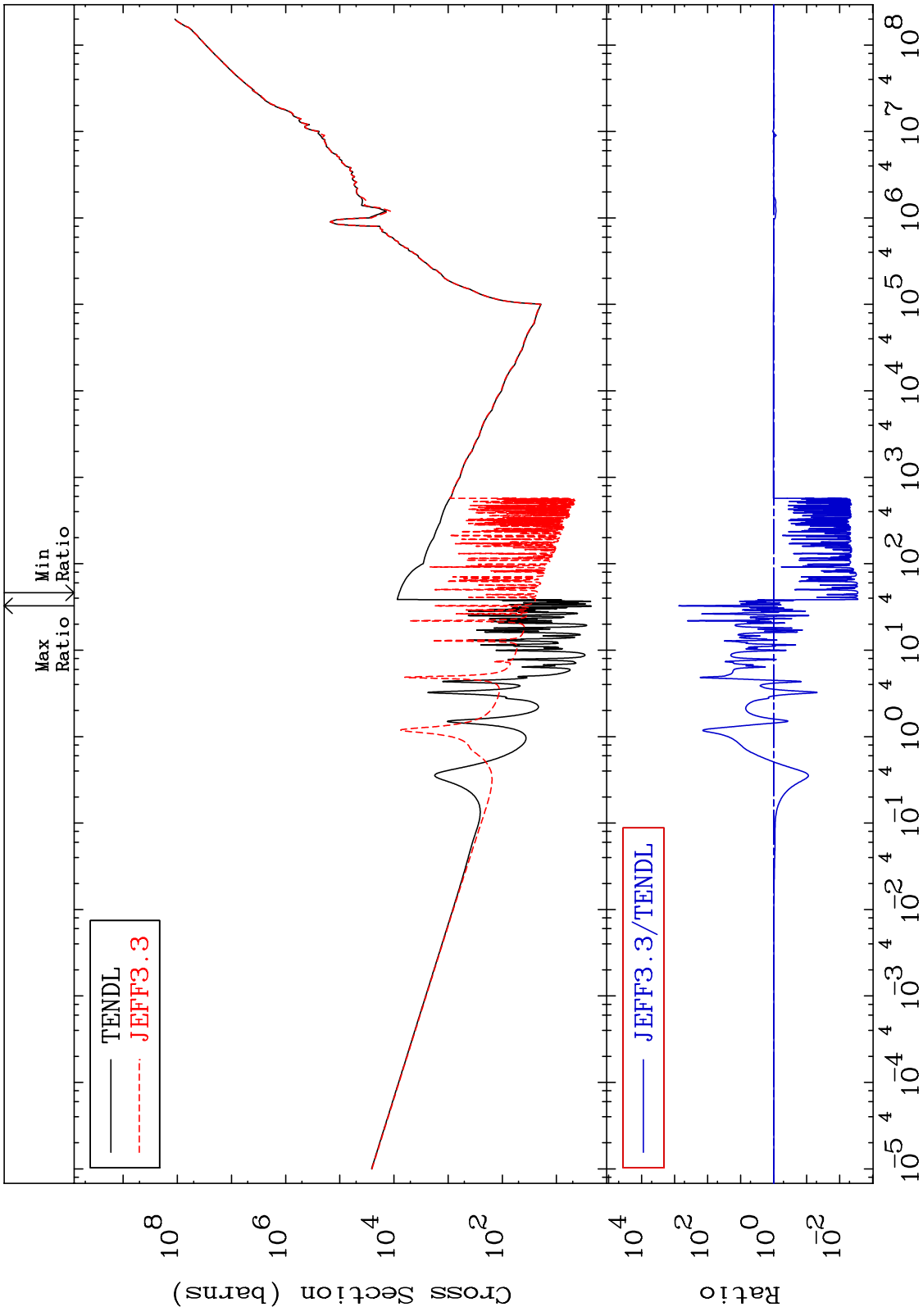
MAT 6719

Kerma elastic
Cross Section

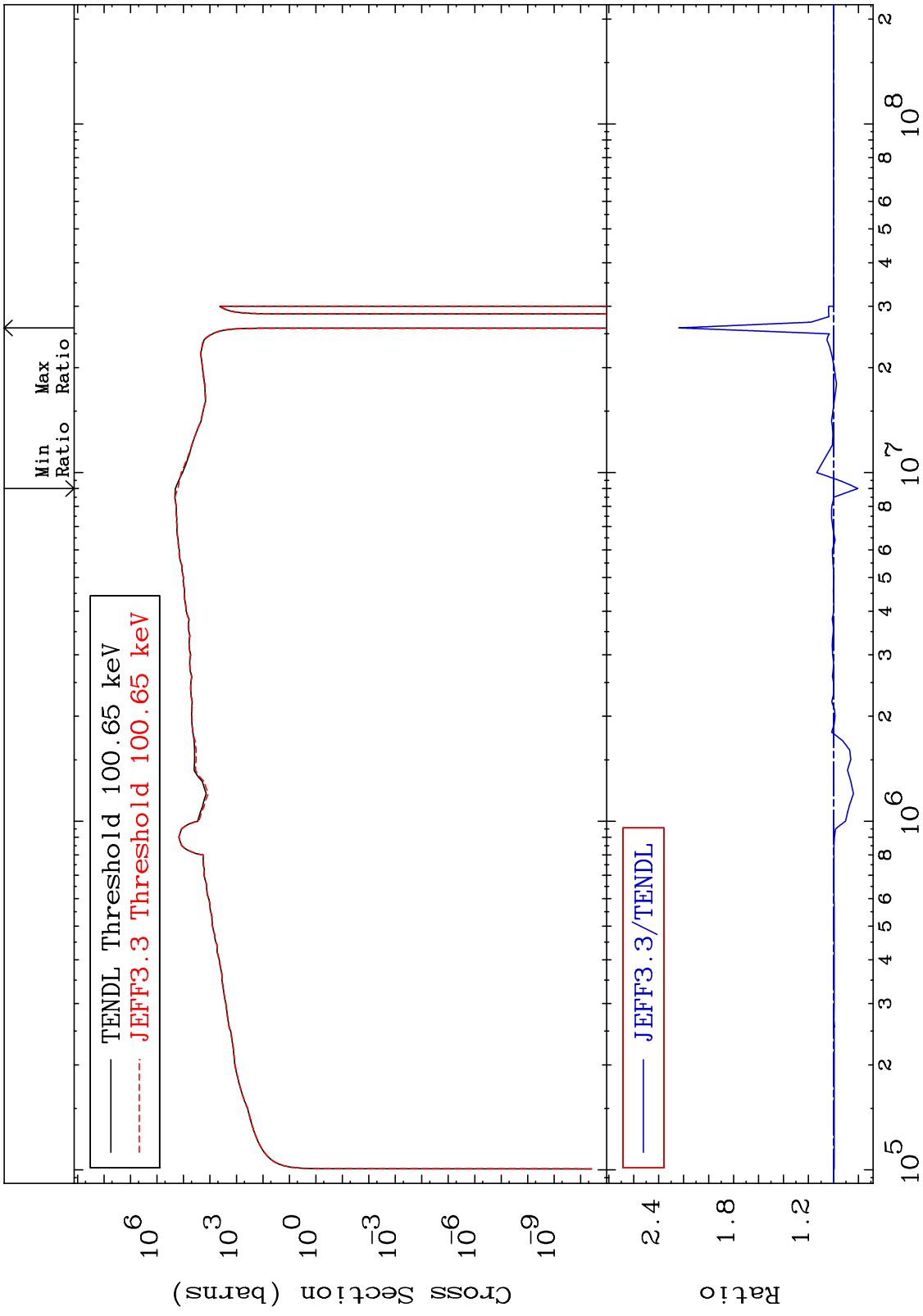
67-Ho-163
-97.54 To 207.2 %



MAT 6719 Kerma non-elastic (all but mt2) 67-Ho-163
 Cross Section -99.72 To 9999. %



MAT 6719 Kerma inelastic (mt51-91) 67-Ho-163
 Cross Section -19.54 To 123.7 %

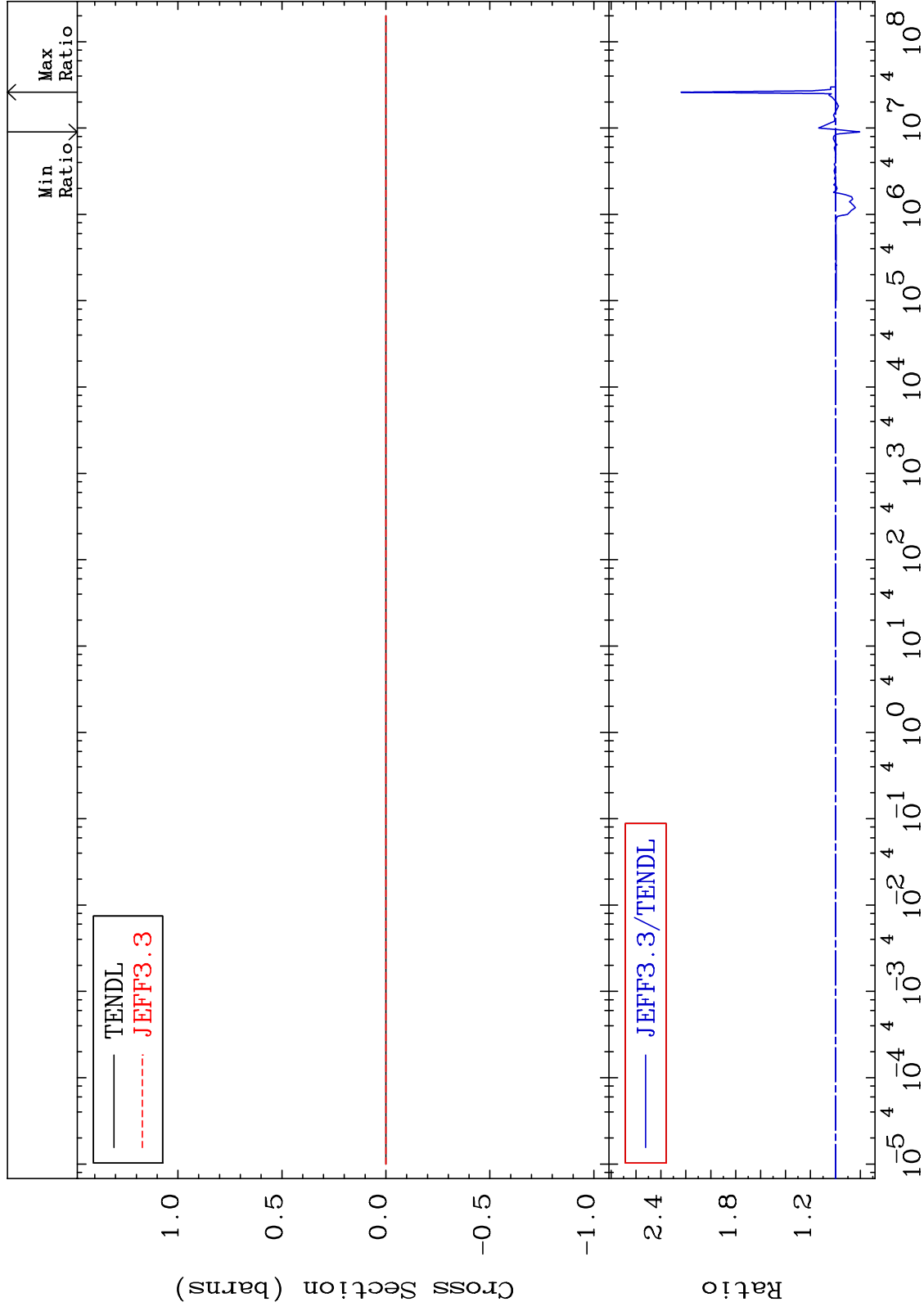


71 Incident Energy (eV) 67-Ho-163

MAT 6719

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

67-Ho-163
-19.54 To 123.7 %

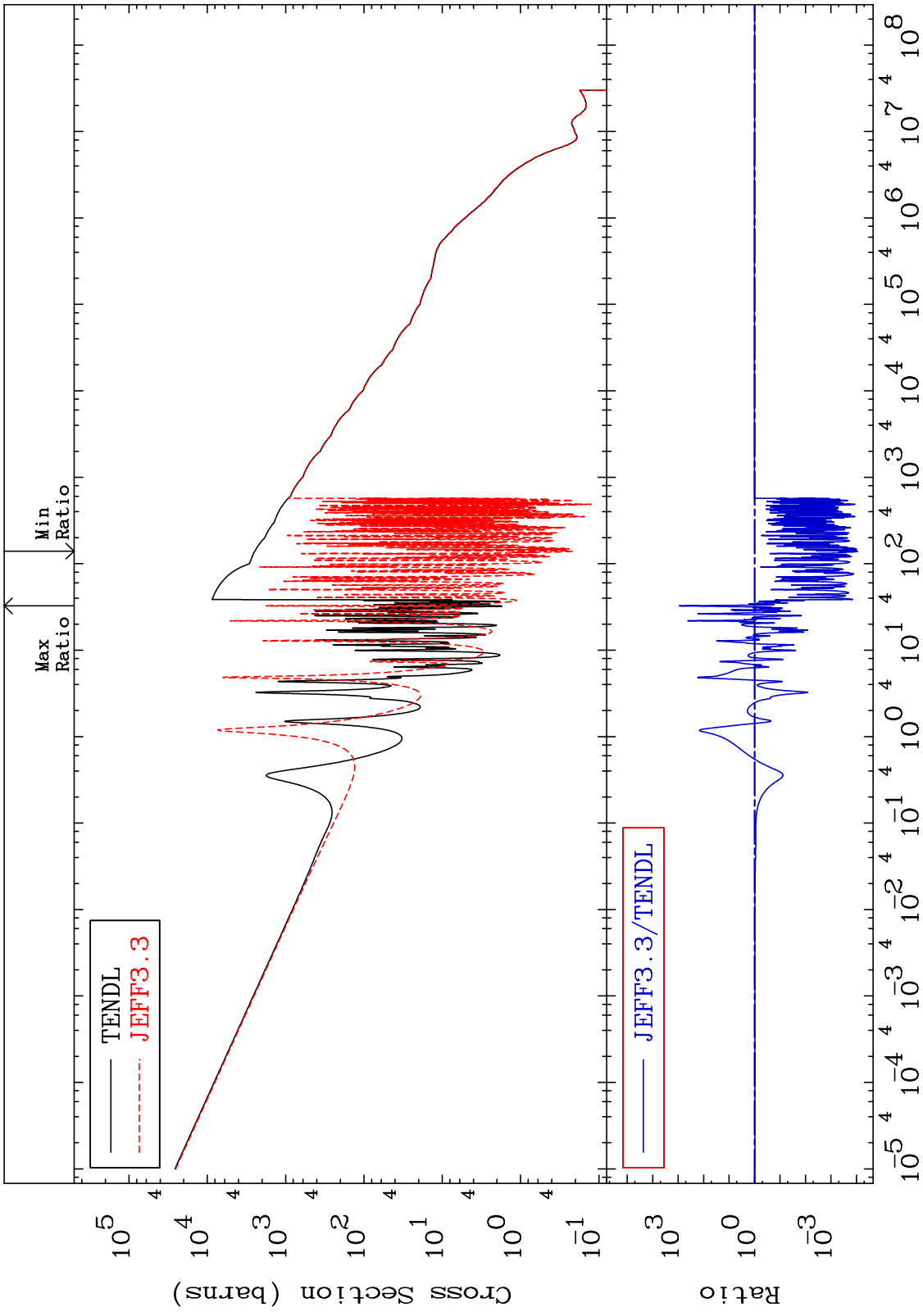


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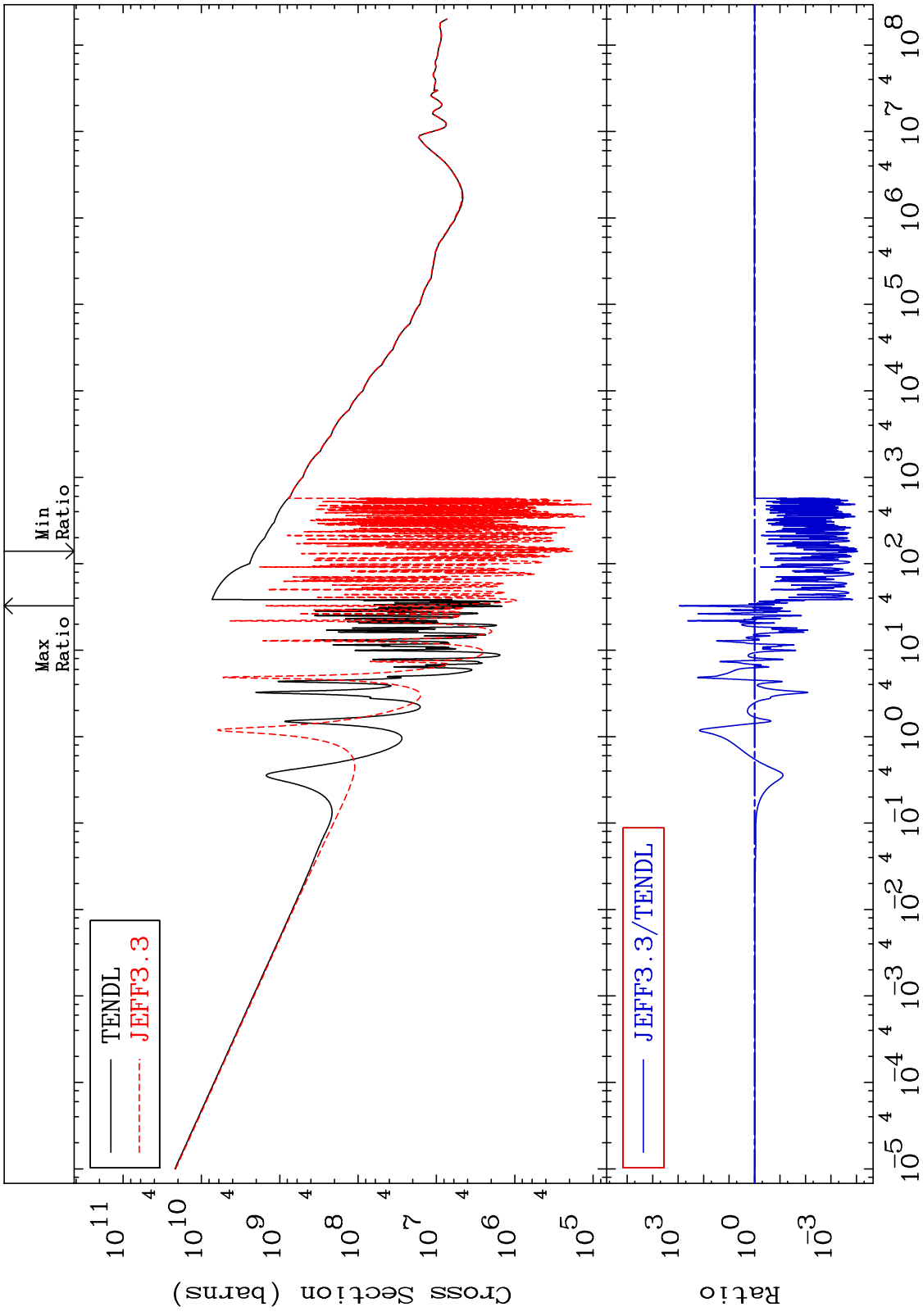
Incident Energy (eV)

67-Ho-163

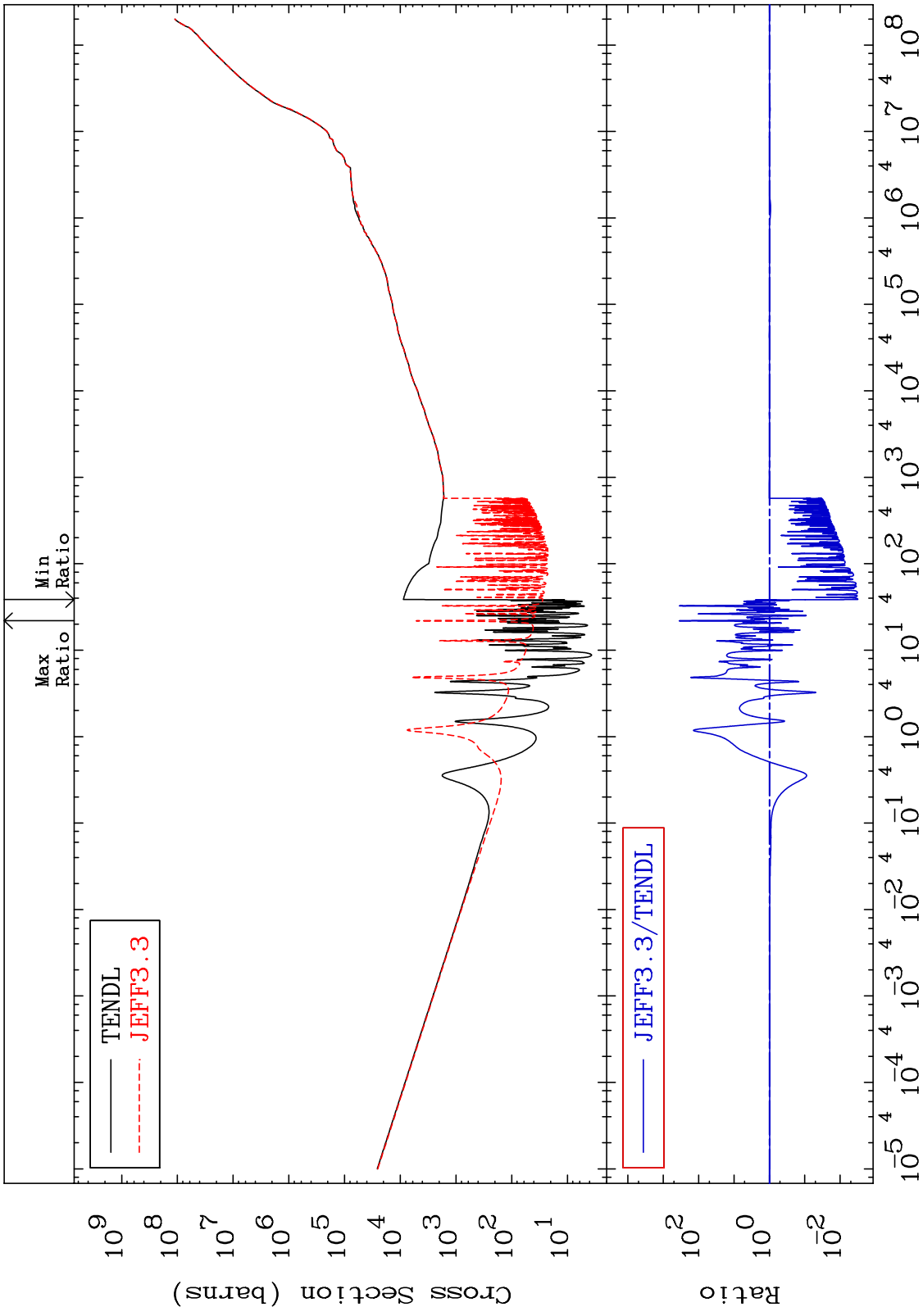
MAT 6719 Kerma capture (mt102) 67-Ho-163
 Cross Section -99.99 To 9999. %



MAT 6719 Total photon (eV-barns) Cross Section 67-Ho-163 -99.99 To 9999. %



MAT 6719 Total kinematic kerma (high limit) 67-Ho-163
 Cross Section -99.68 To 9999. %



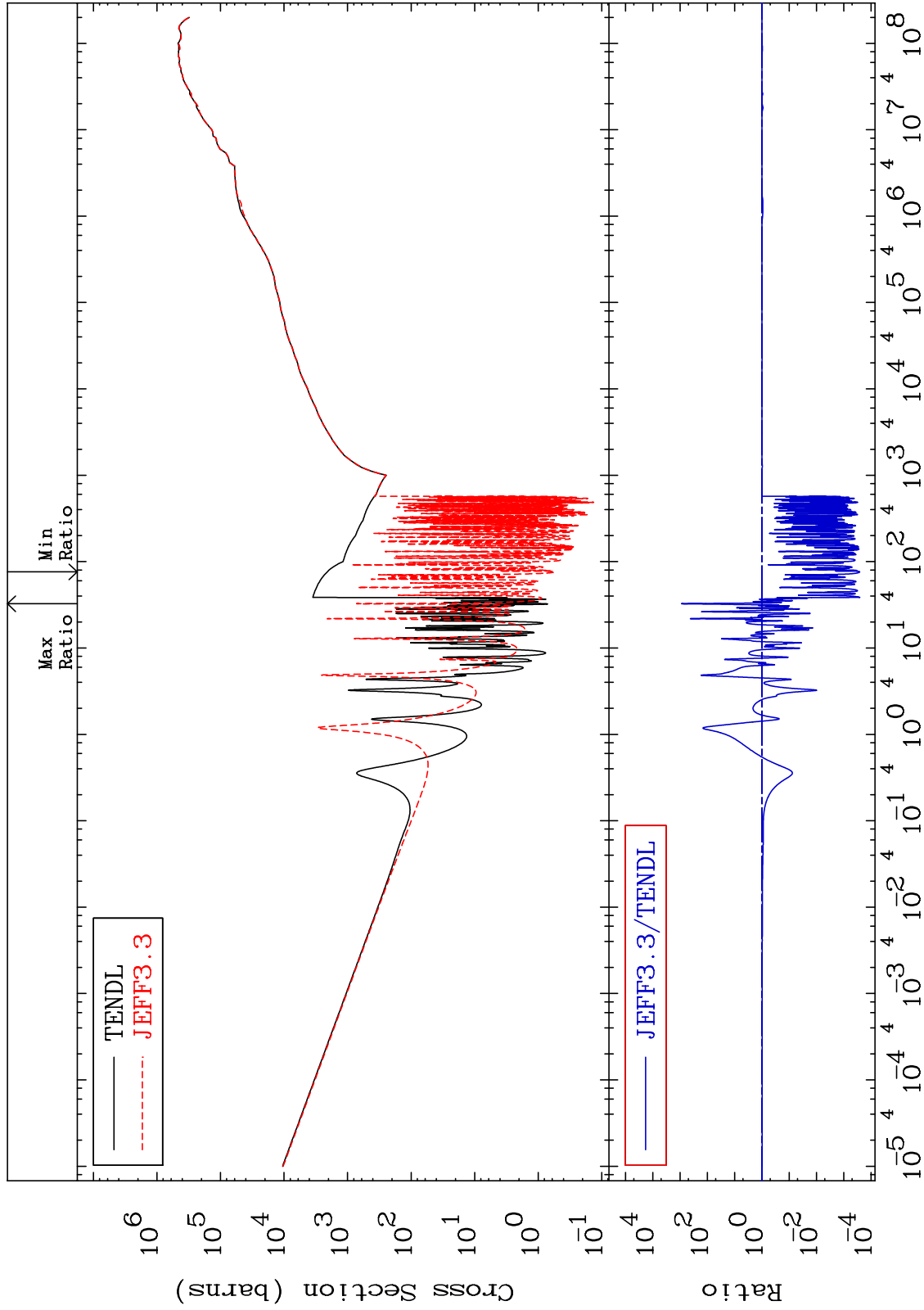
MAT 6719

Dpa total (eV-barns)

67-Ho-163

-99.97 To 9999. %

Cross Section

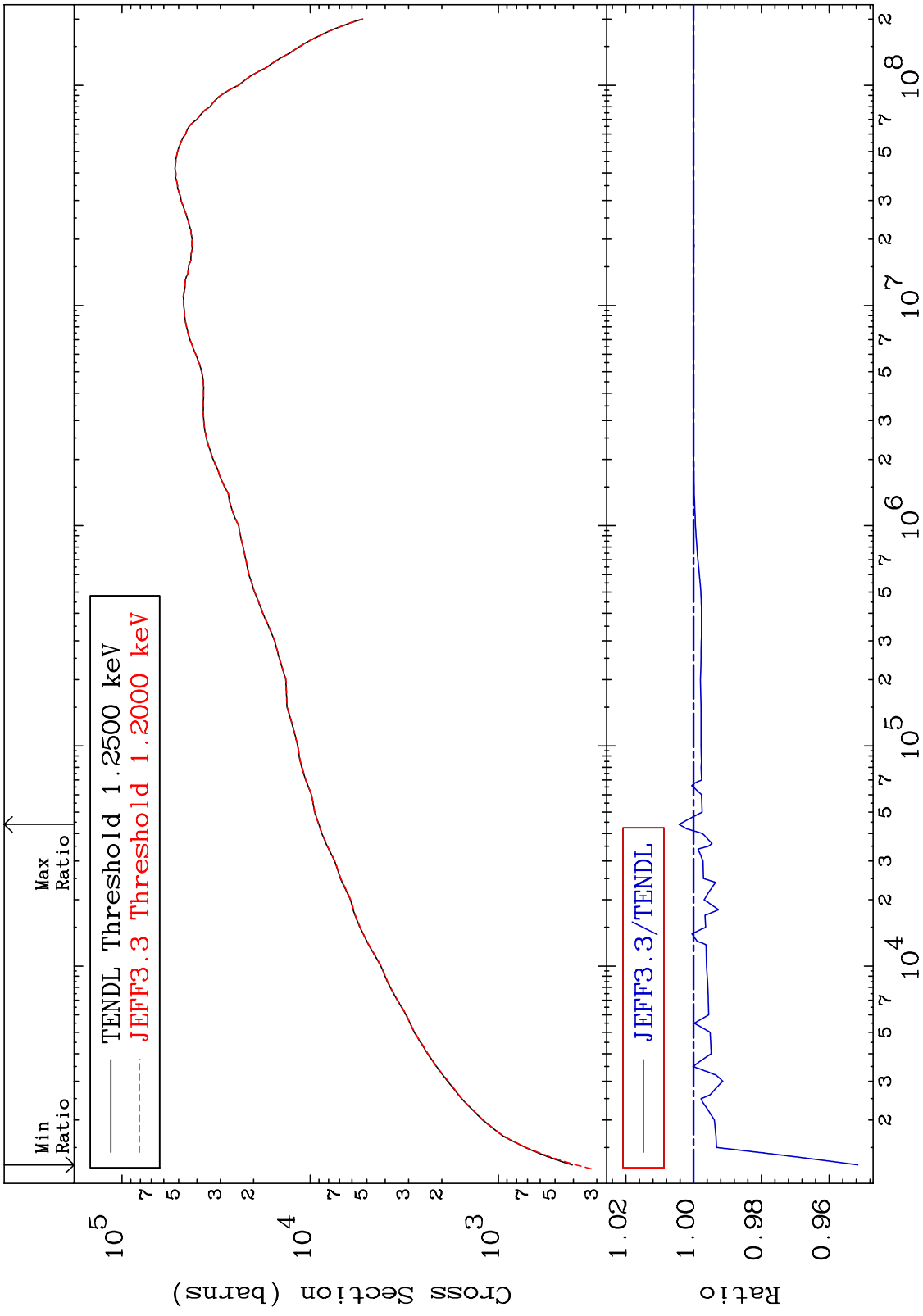


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Incident Energy (eV)

67-Ho-163

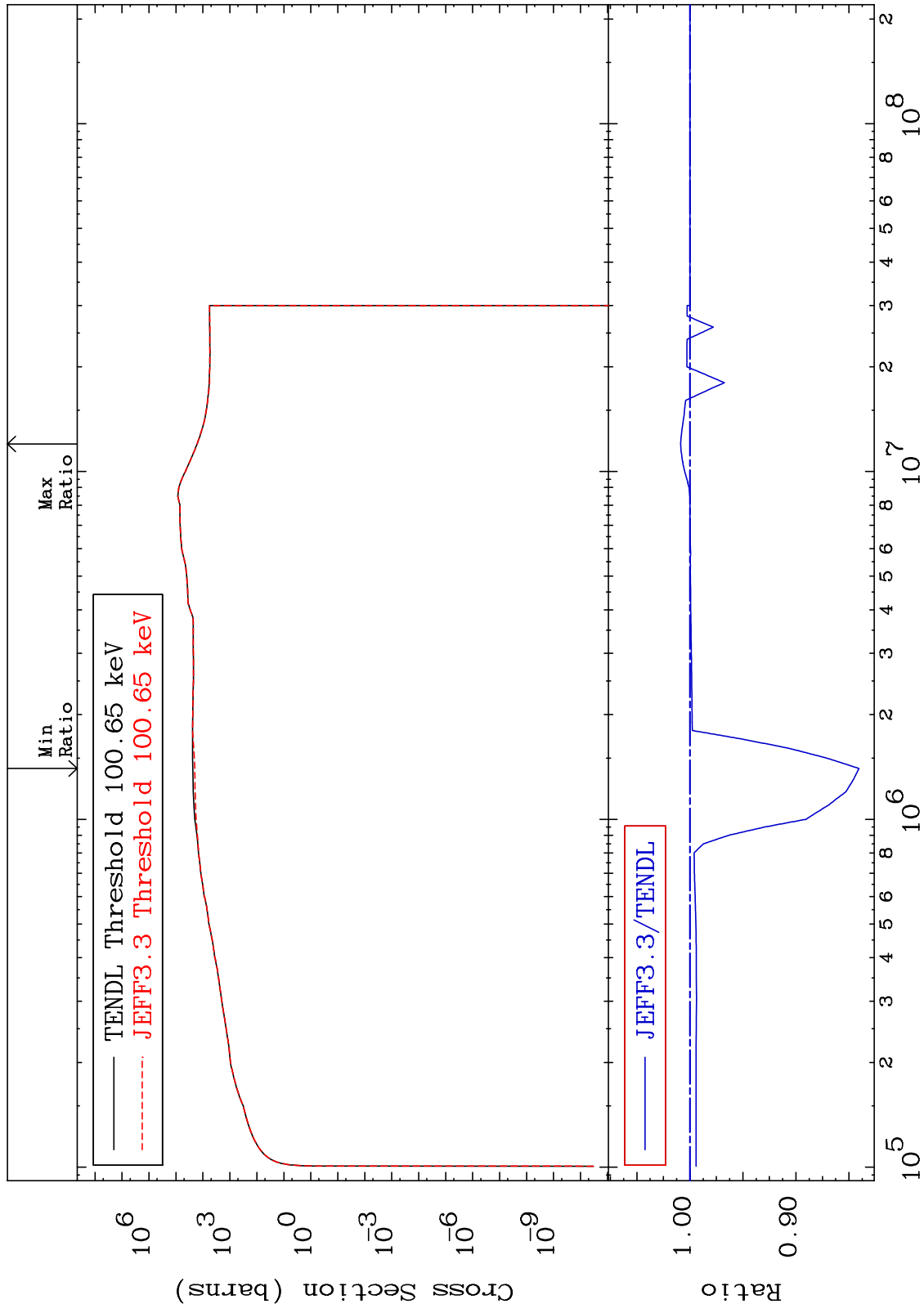
MAT 6719 67-Ho-163
 Dpa elastic (mt2) -4.843 To 0.429 %
 Cross Section



MAT 6719

Dpa inelastic (mt51-91)
Cross Section

67-Ho-163
-15.95 To 0.872 %



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Incident Energy (eV)

67-Ho-163

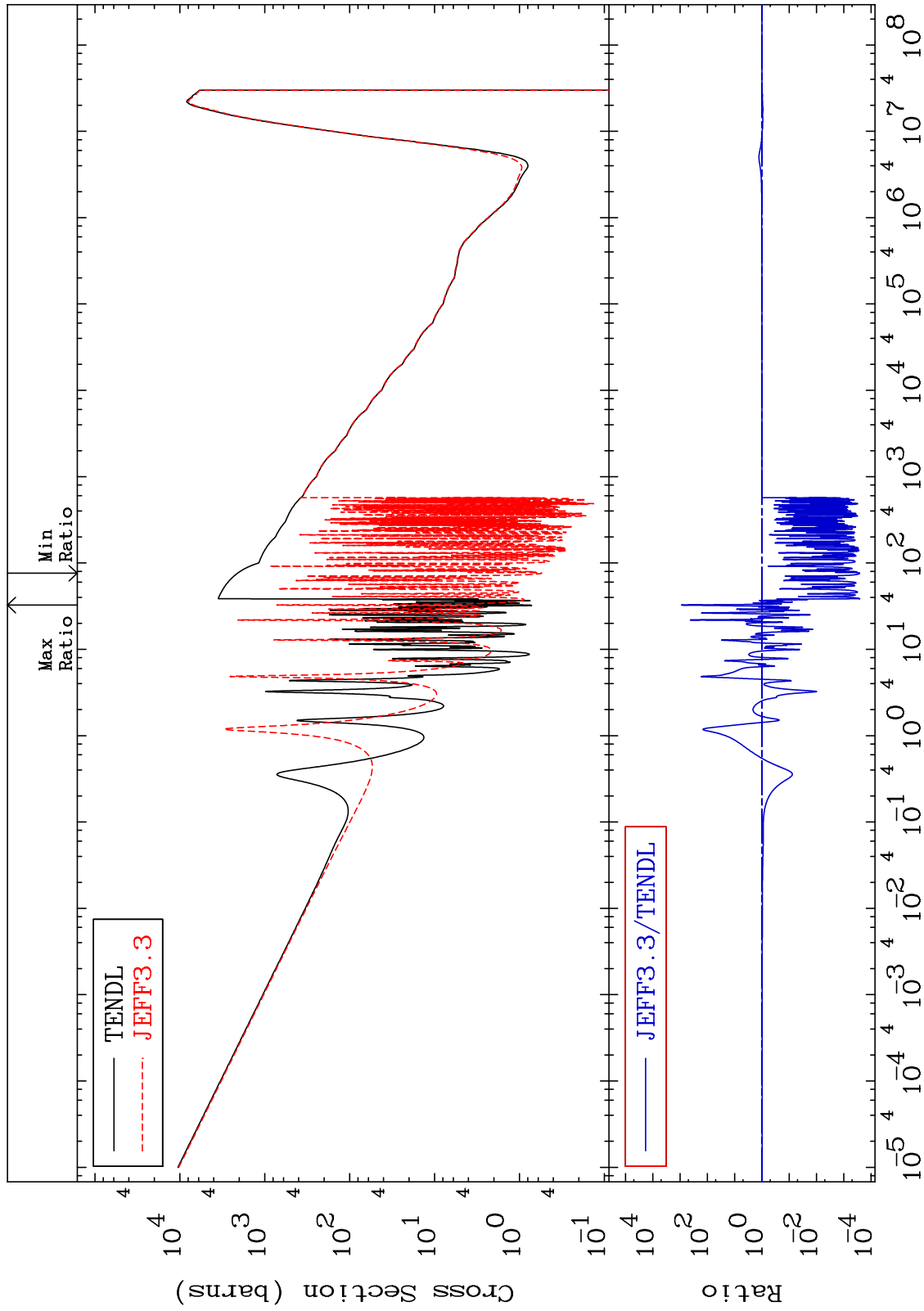
MAT 6719

Dpa disappearance (mt102 -120)

67-Ho-163

-99.97 To 9999. %

Cross Section

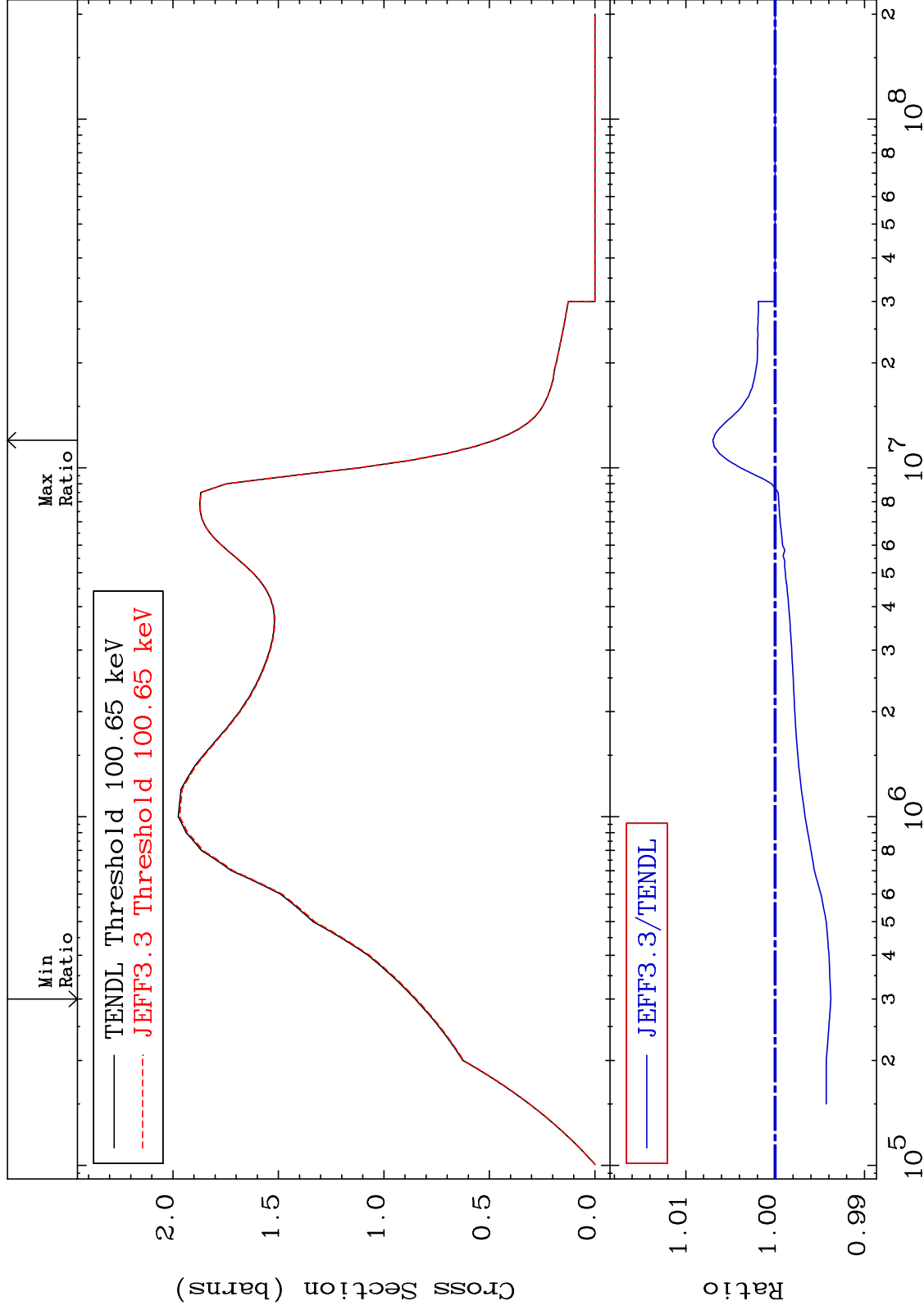


MAT 6719

Inelastic:67-Ho-163g

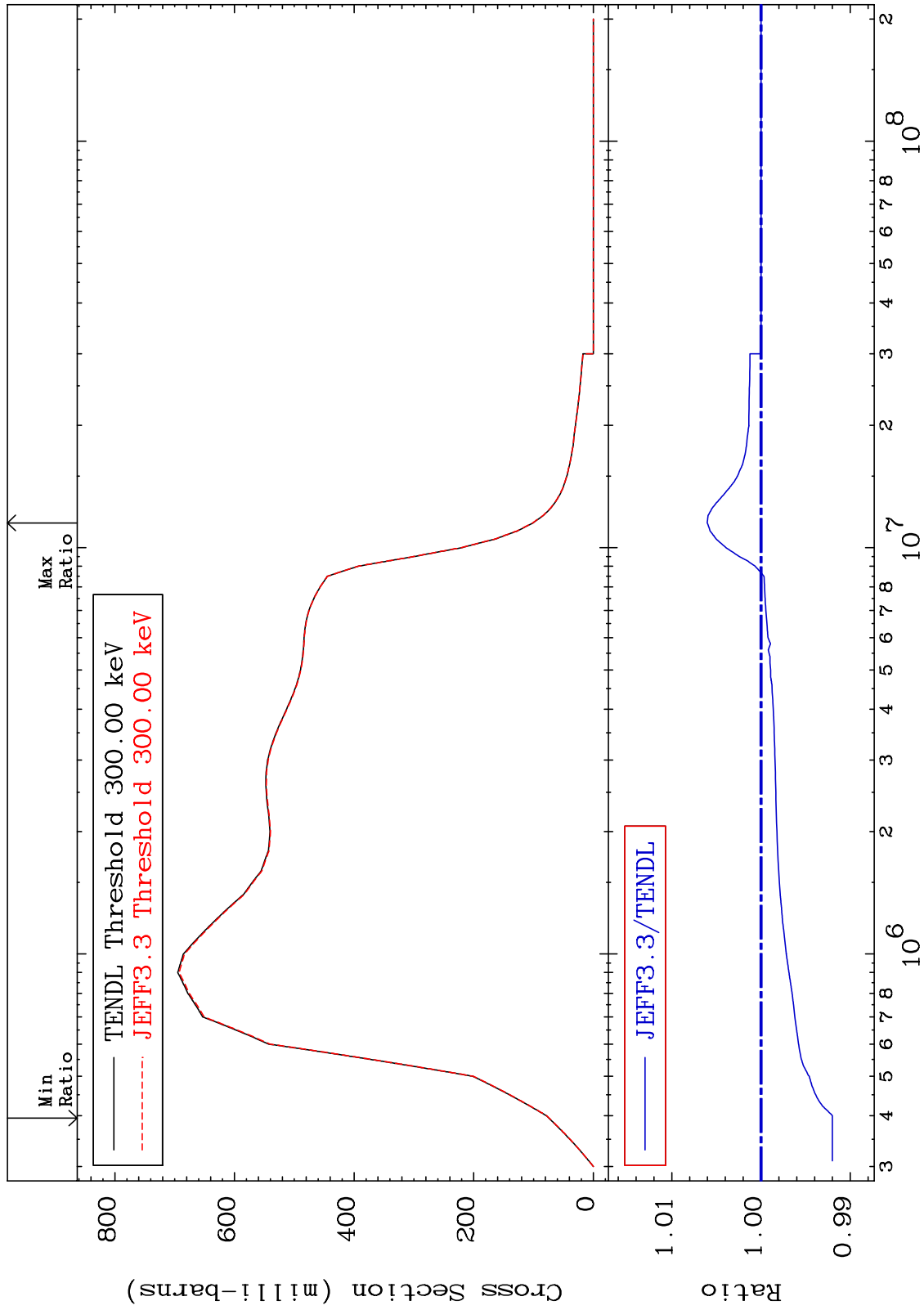
67-Ho-163

Radionuclide Production Cross Section -0.623 To 0.697 %

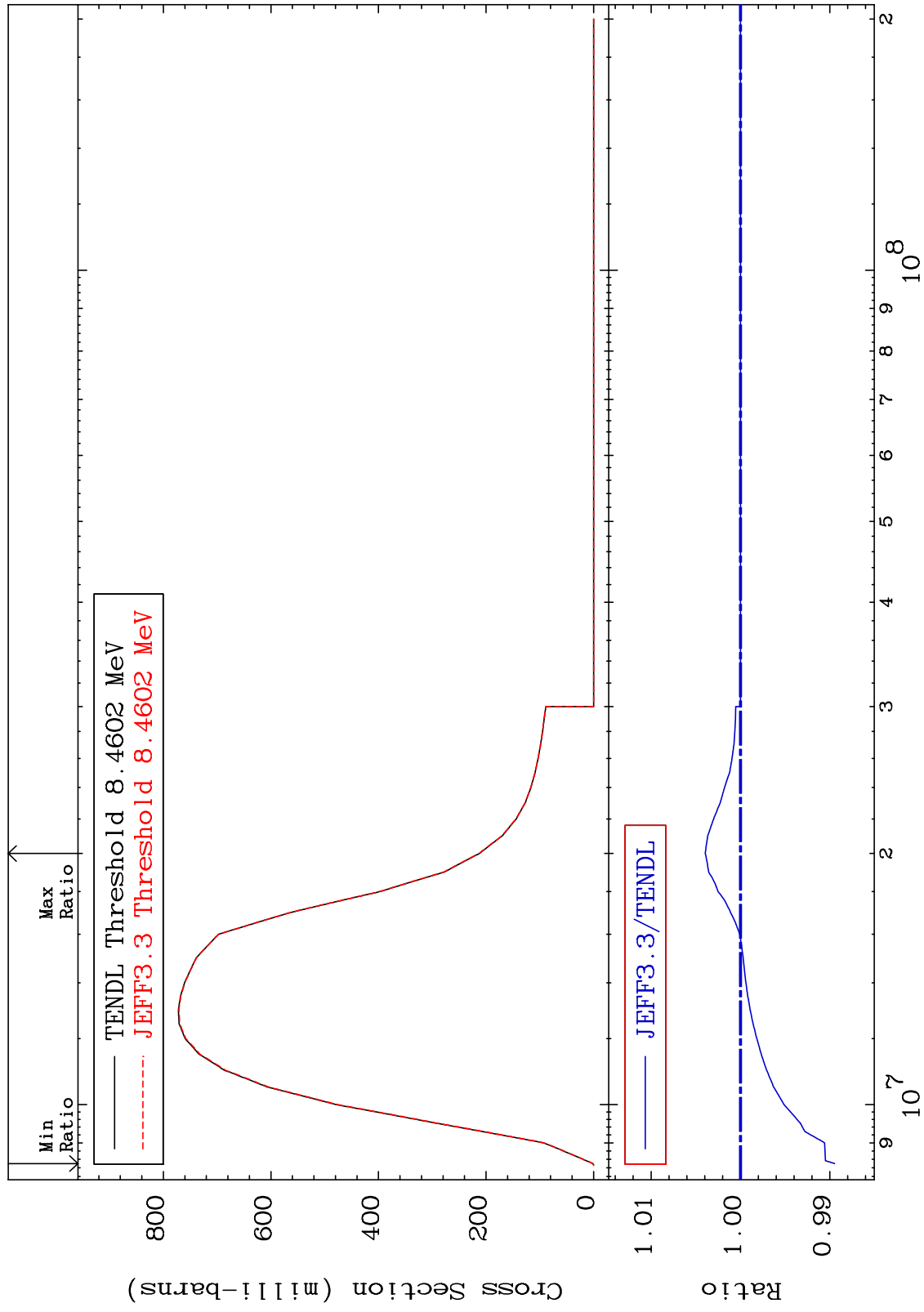


67-Ho-163

MAT 6719 Inelastic:67-Ho-163m3 67-Ho-163
Radionuclide Production Cross Section -0.800 To 0.603 %



MAT 6719 (n,2n):67-Ho-162g 67-Ho-163
Radionuclide Production Cross Section -1.054 To 0.394 %

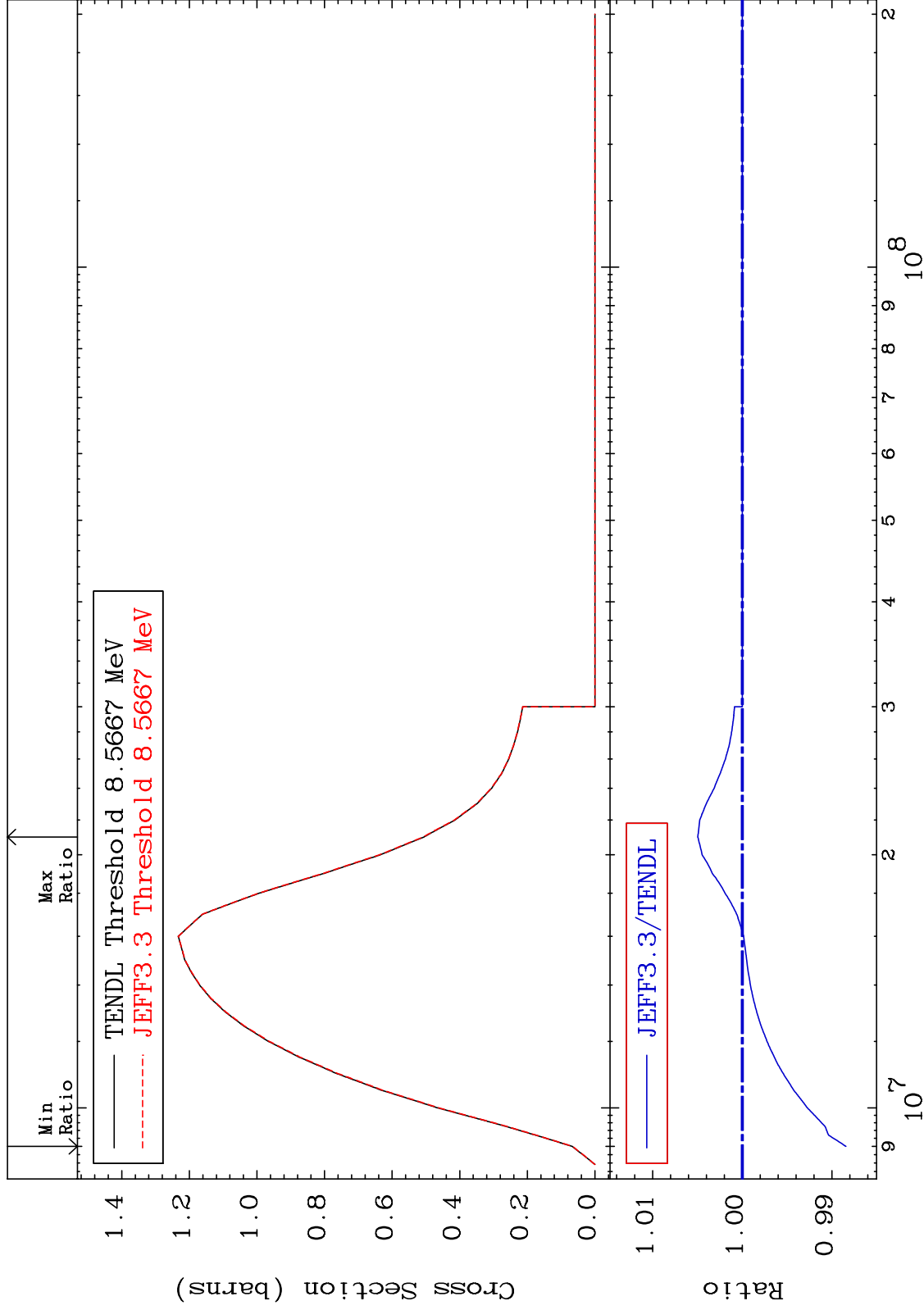


MAT 6719

(n,2n):67-Ho-162m3

67-Ho-163

Radionuclide Production Cross Section -1.156 To 0.496 %

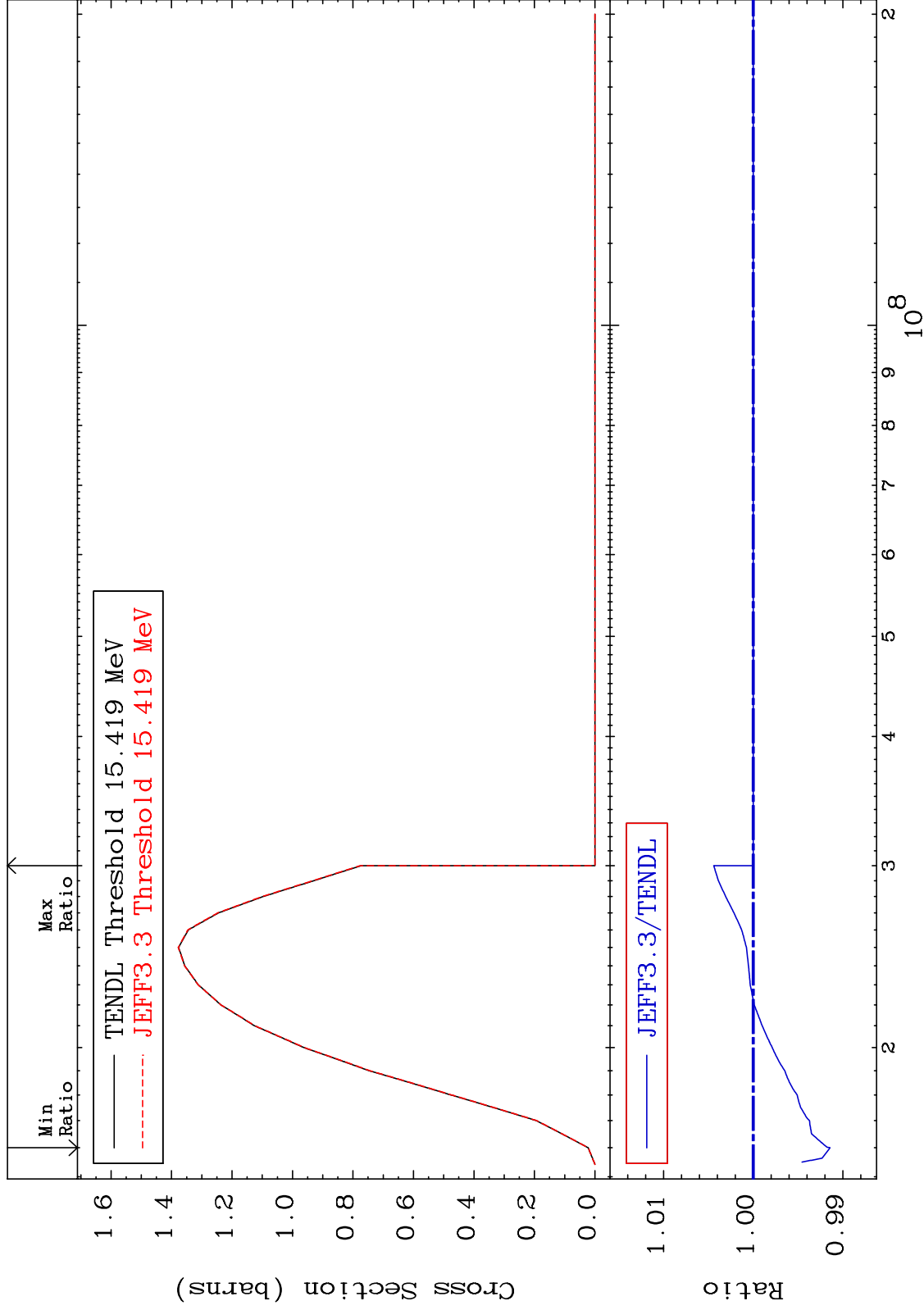


MAT 6719

(n,3n):67-Ho-161g

67-Ho-163

Radionuclide Production Cross Section -0.857 To 0.441 %

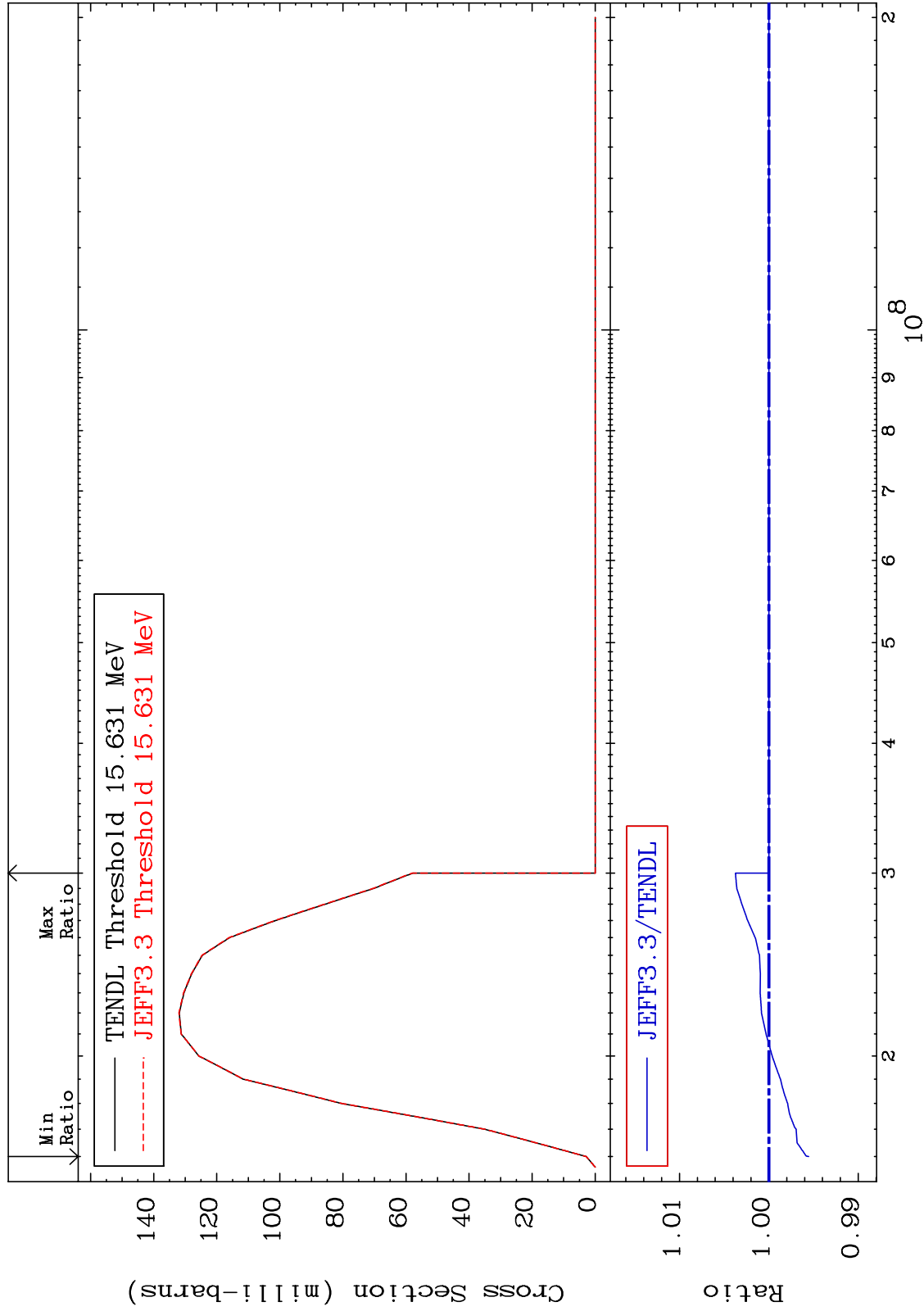


MAT 6719

(n,3n):67-Ho-161m2

67-Ho-163

Radionuclide Production Cross Section -0.445 To 0.374 %

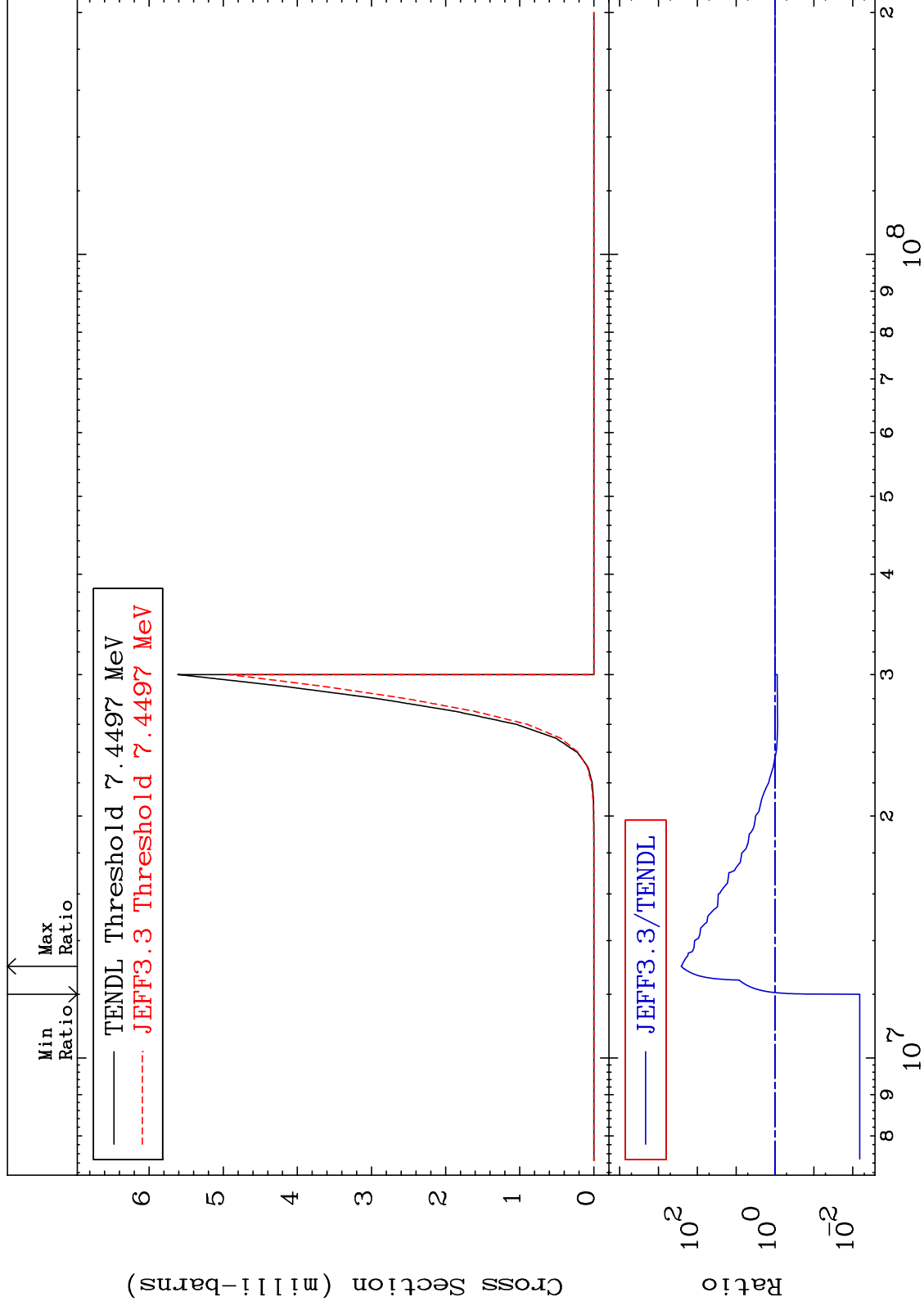


MAT 6719

(n,2n) α :65-Tb-158g

67-Ho-163

Radionuclide Production Cross Section -99.34 To 9999. %

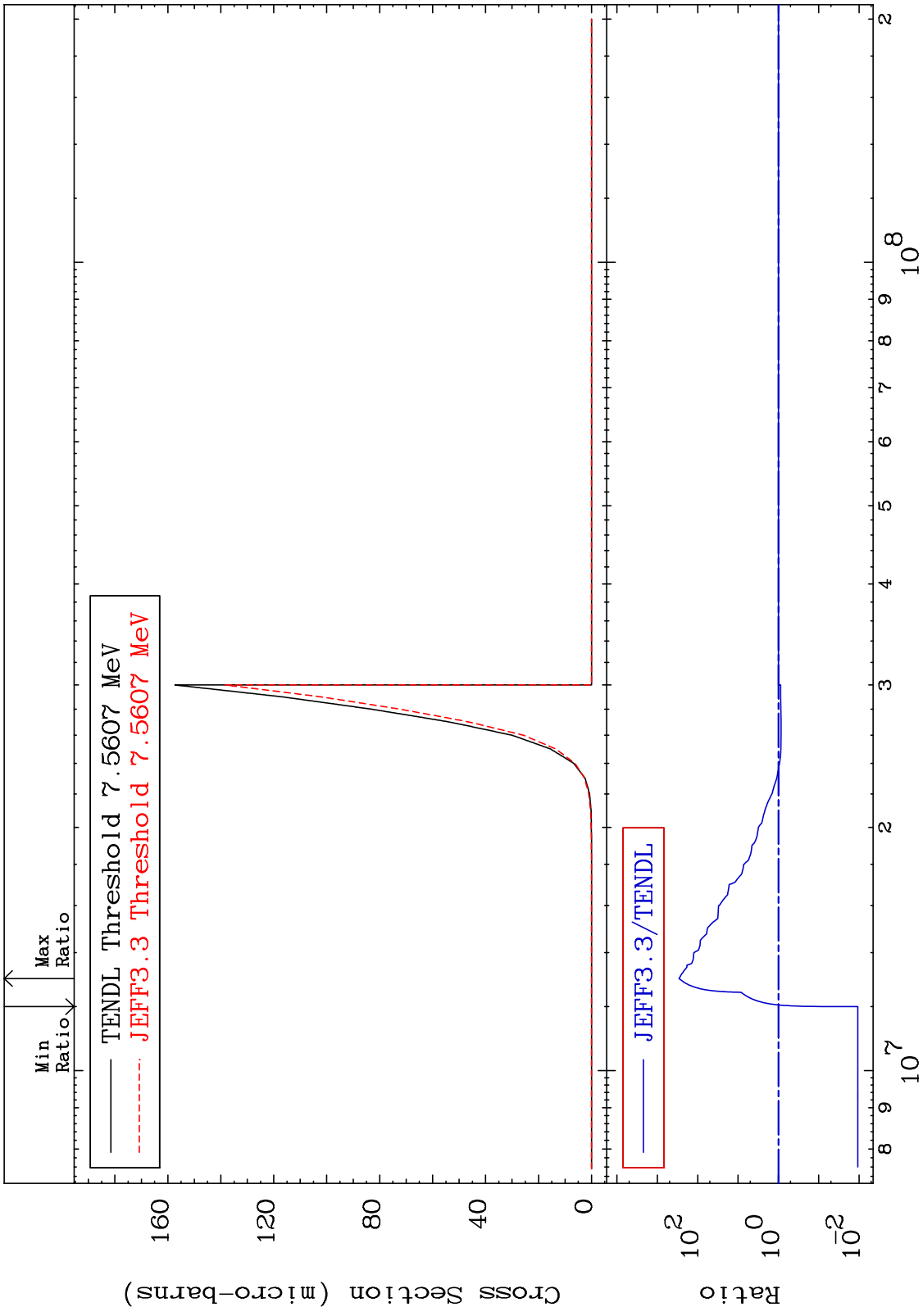


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Incident Energy (eV)

67-Ho-163

MAT 6719 (n,2n) α : 65-Tb-158m3 67-Ho-163
 Radionuclide Production Cross Section -98.93 To 9999. %

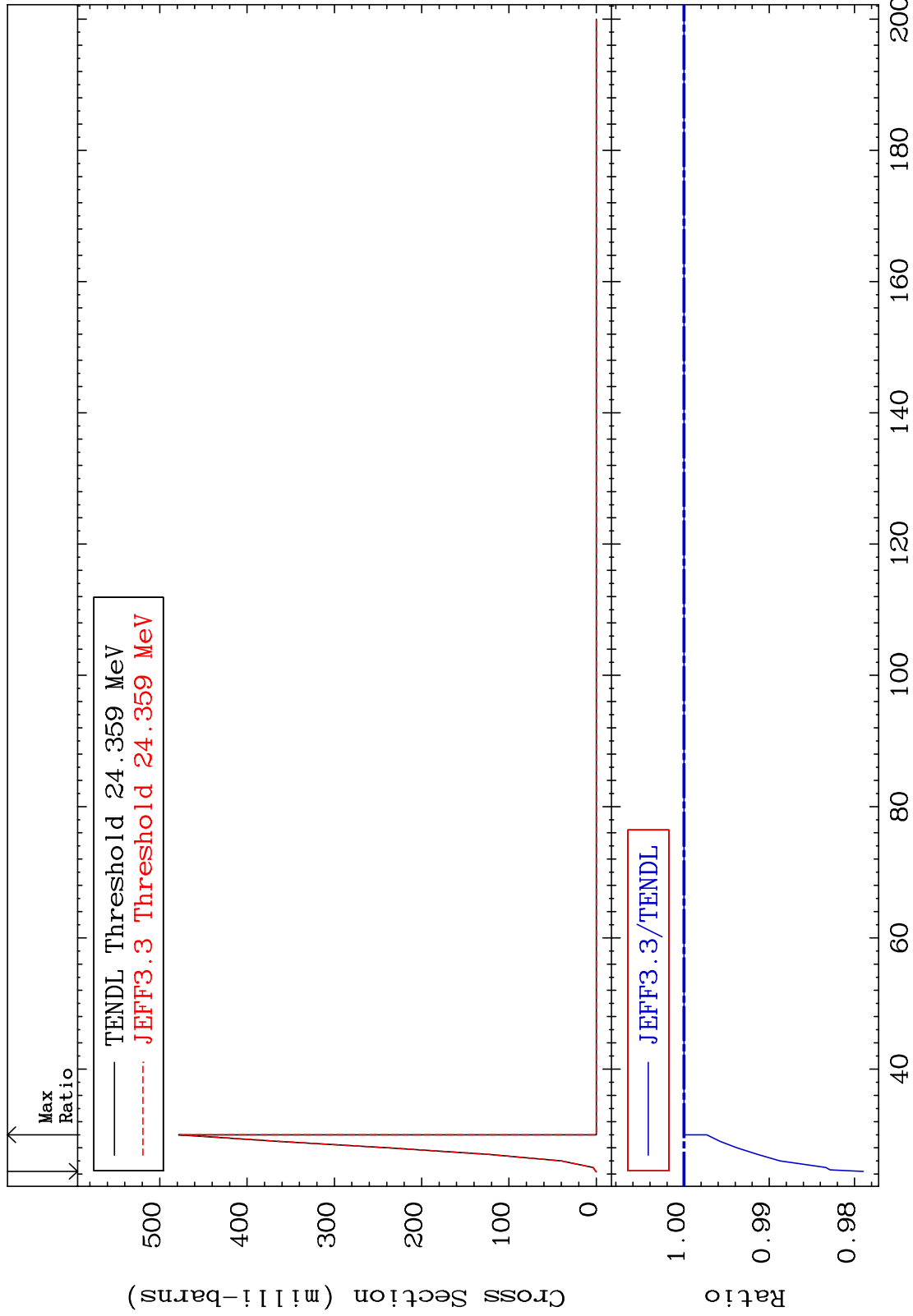


MAT 6719

(n,4n):67-Ho-160g

67-Ho-163

Radionuclide Production Cross Section -2.104 To 0.000 %

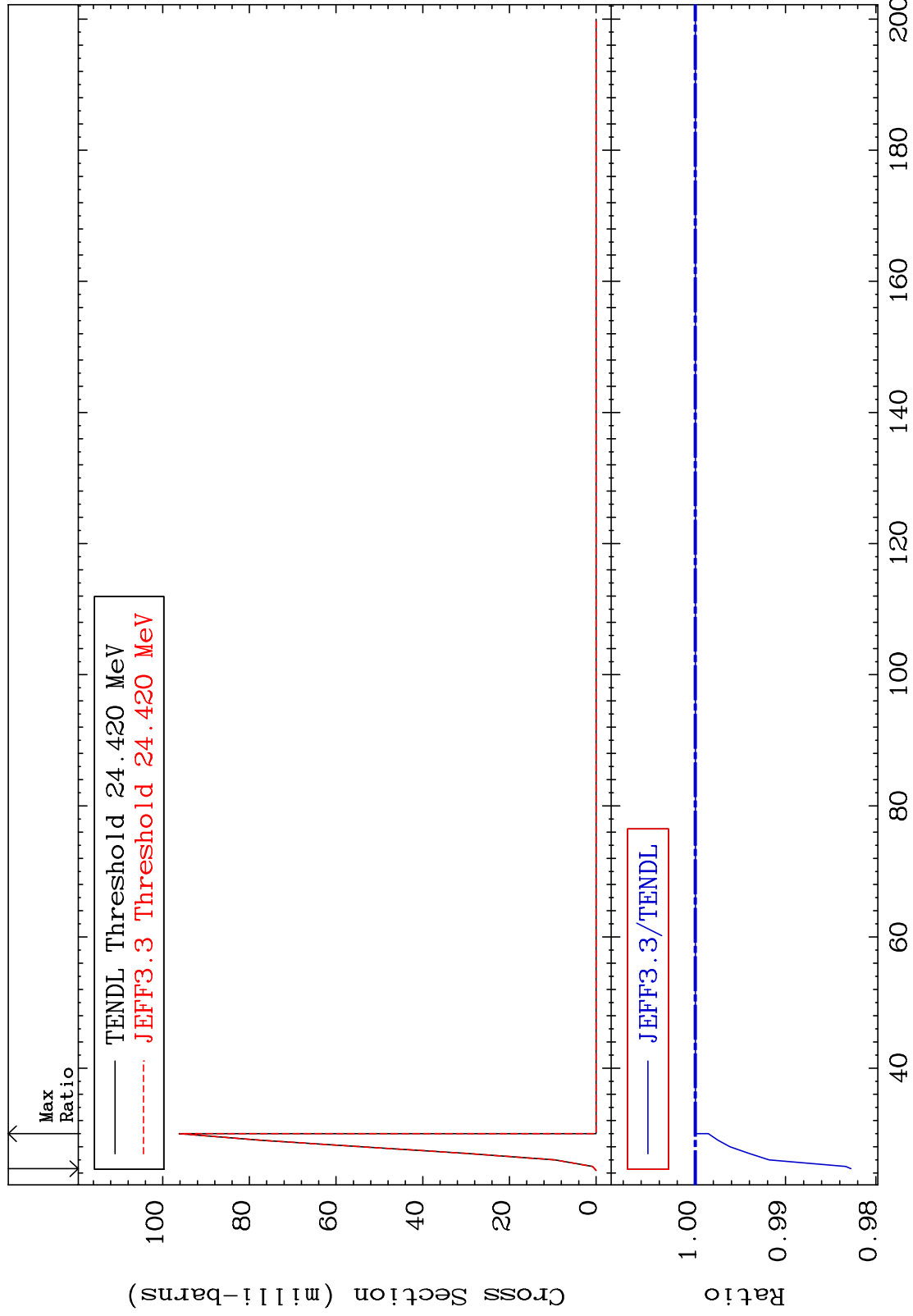


MAT 6719

(n,4n):67-Ho-160m1

67-Ho-163

Radionuclide Production Cross Section -1.725 To 0.000 %

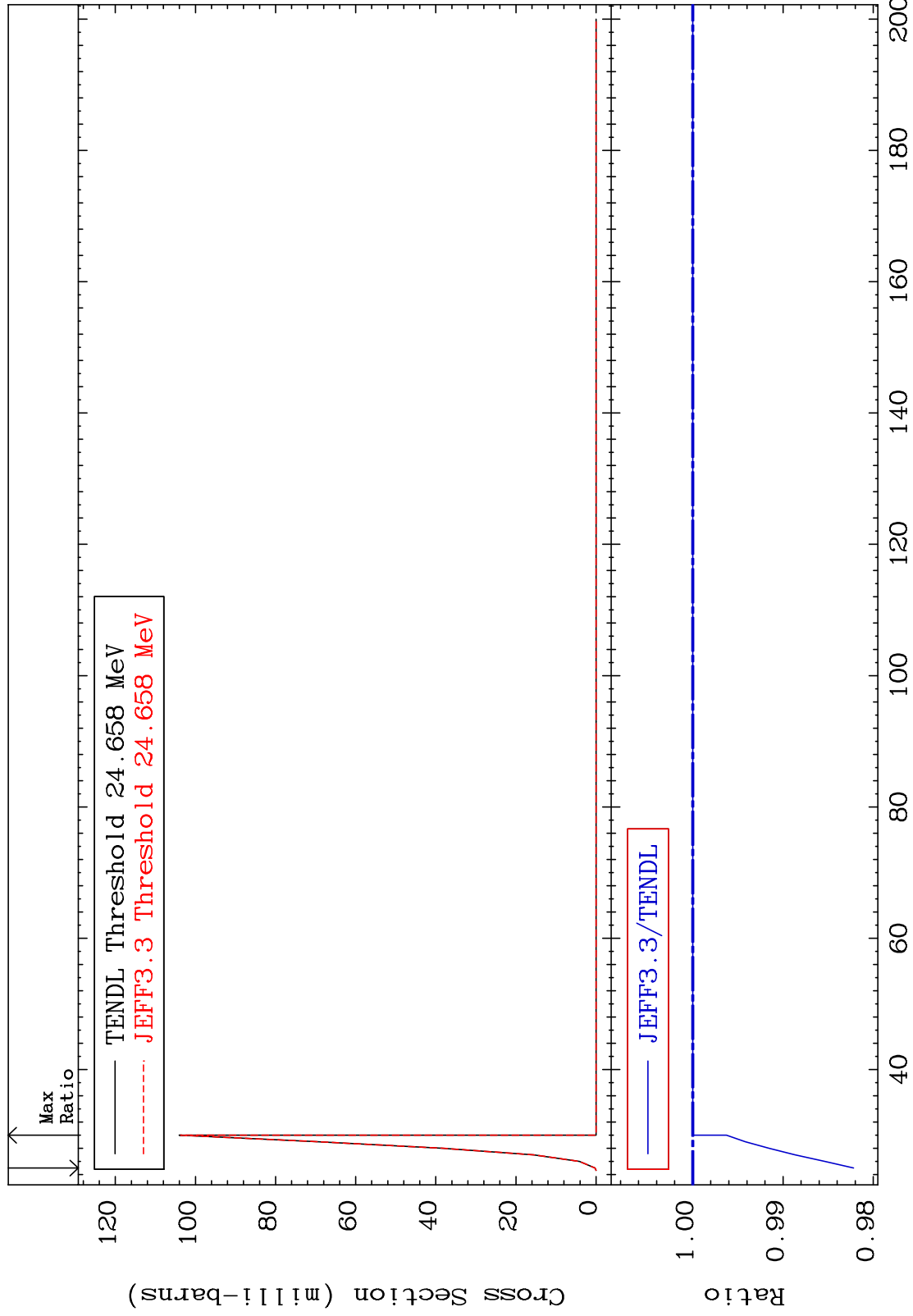


MAT 6719

(n,4n):67-Ho-160m9

67-Ho-163

Radionuclide Production Cross Section -1.780 To 0.000 %



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Incident Energy (MeV)

67-Ho-163