

Program Complot
(Version 2018-1)

by

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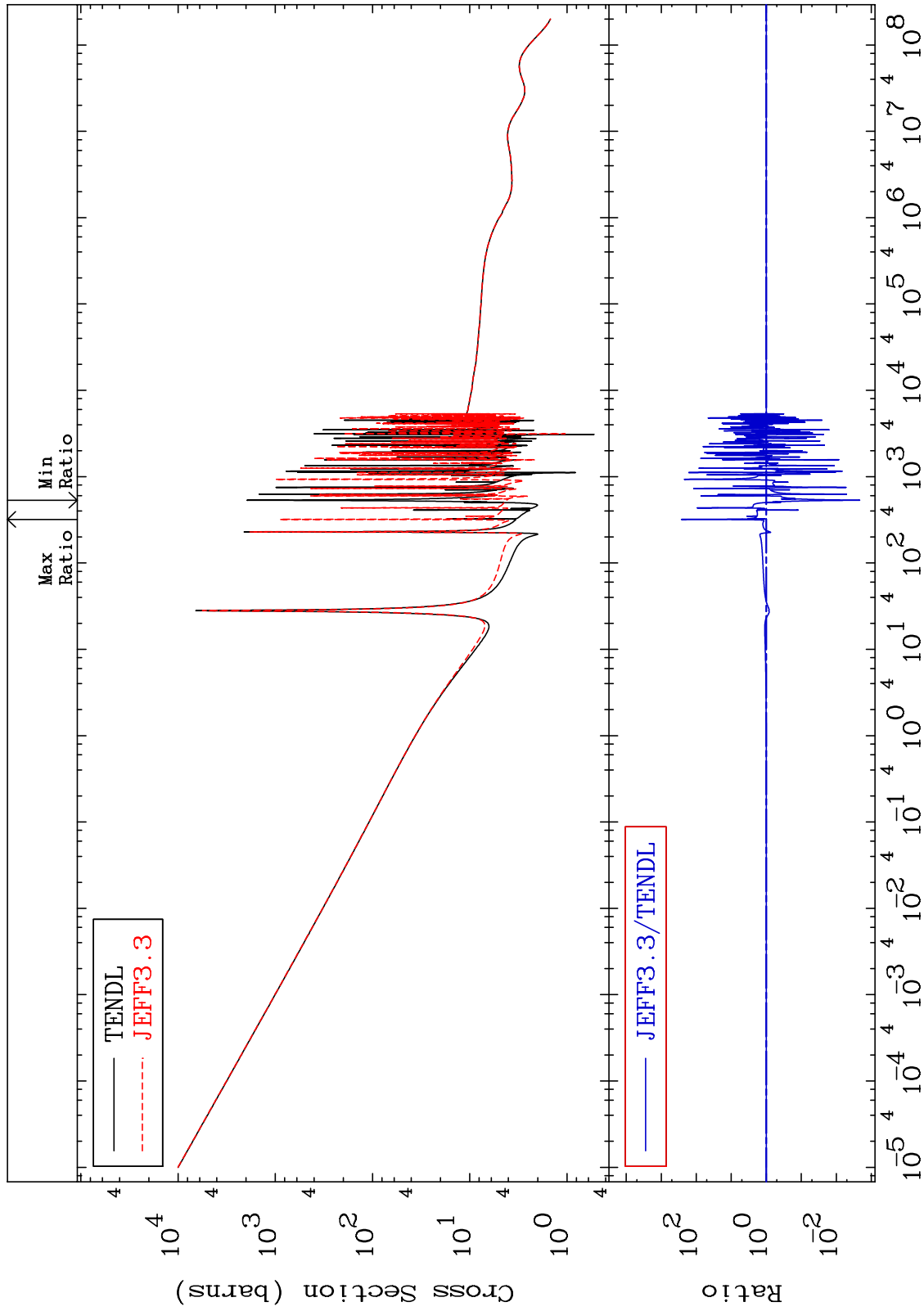
Press Mouse Button to Start

MAT 3640

Total
Cross Section

36-Kr-83

-99.79 To 9999. %



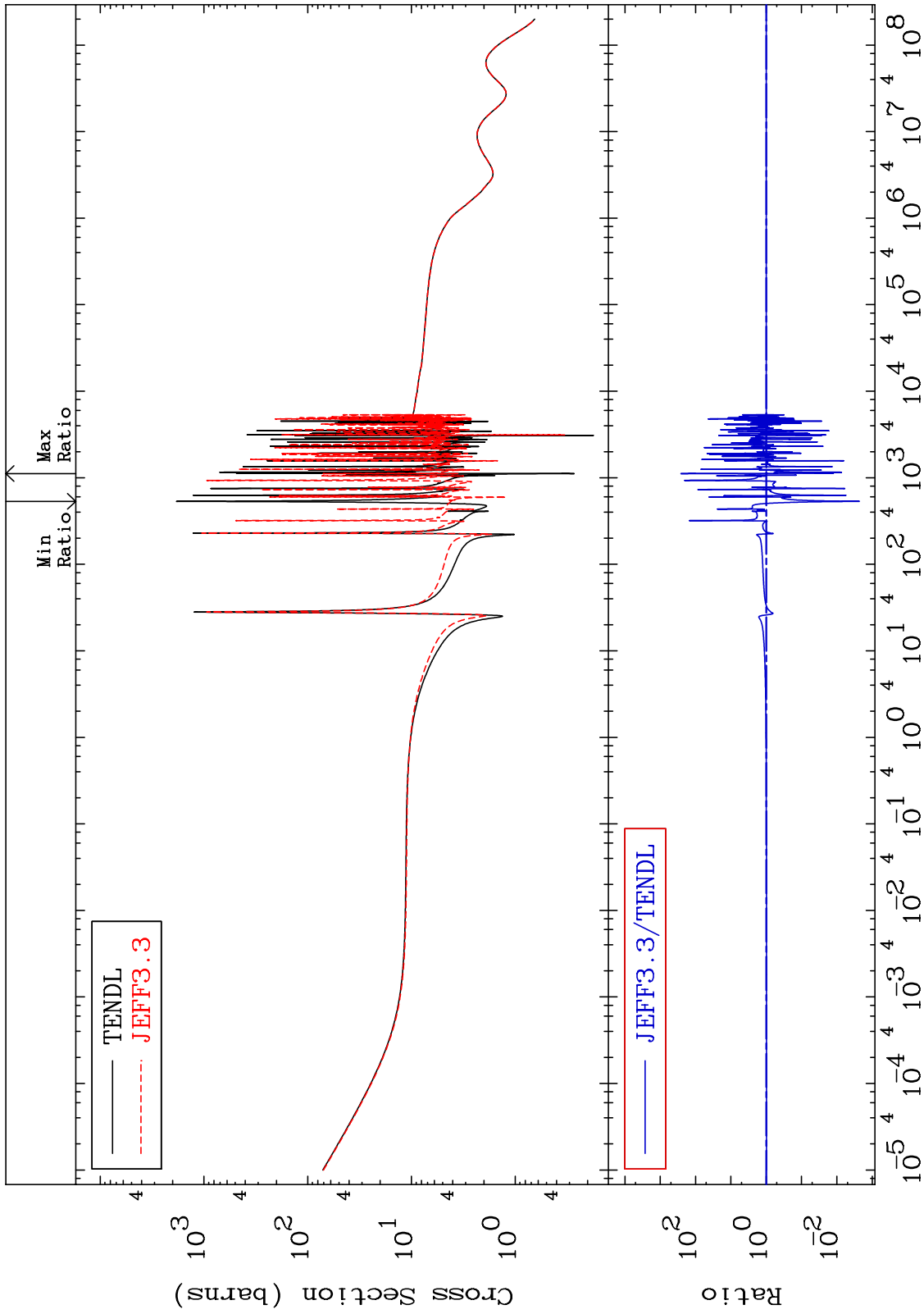
1

36-Kr-83

MAT 3640

Elastic
Cross Section

36-Kr-83
-99.77 To 9999. %



2

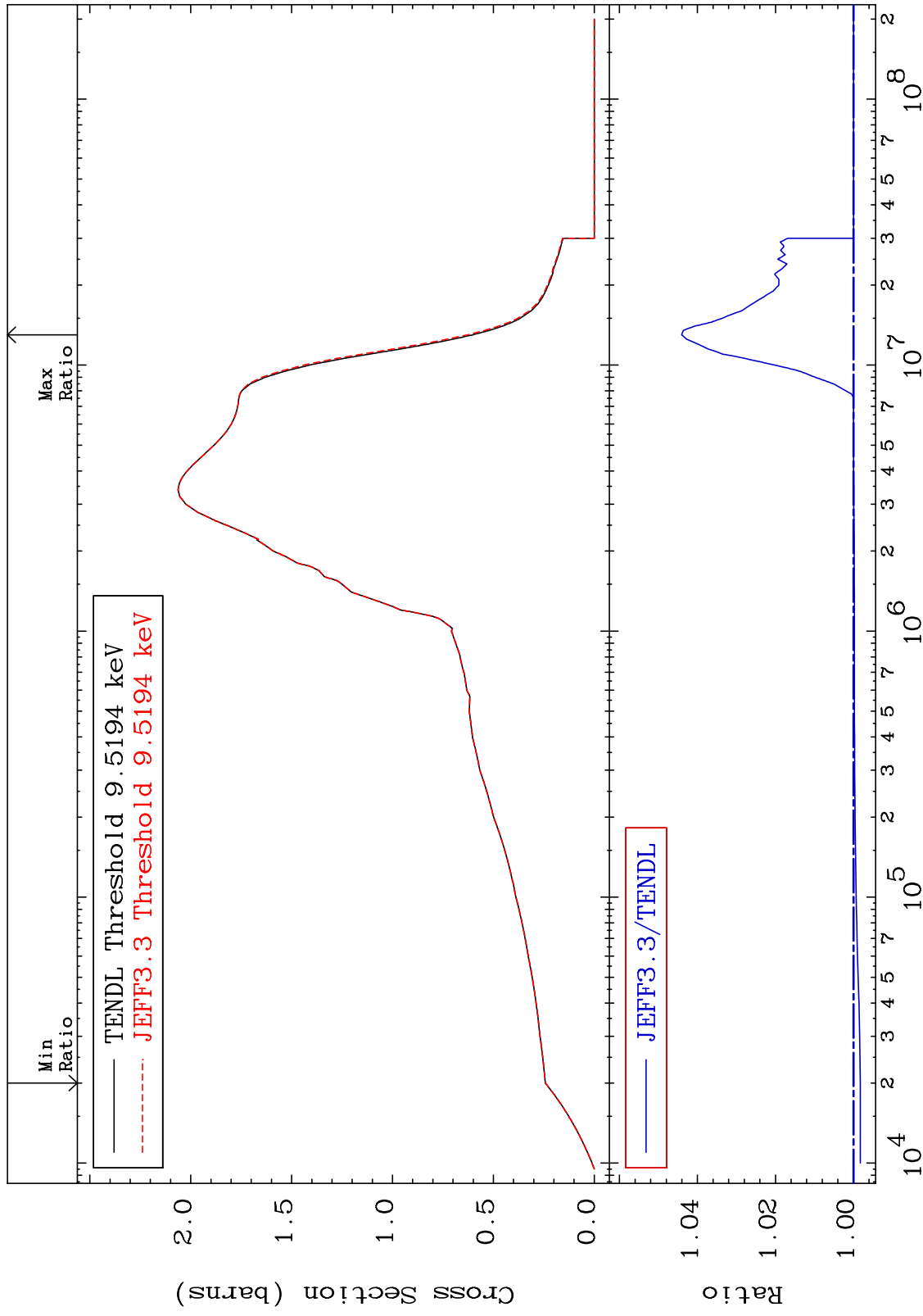
Incident Energy (eV)

36-Kr-83

MAT 3640

Inelastic
Cross Section

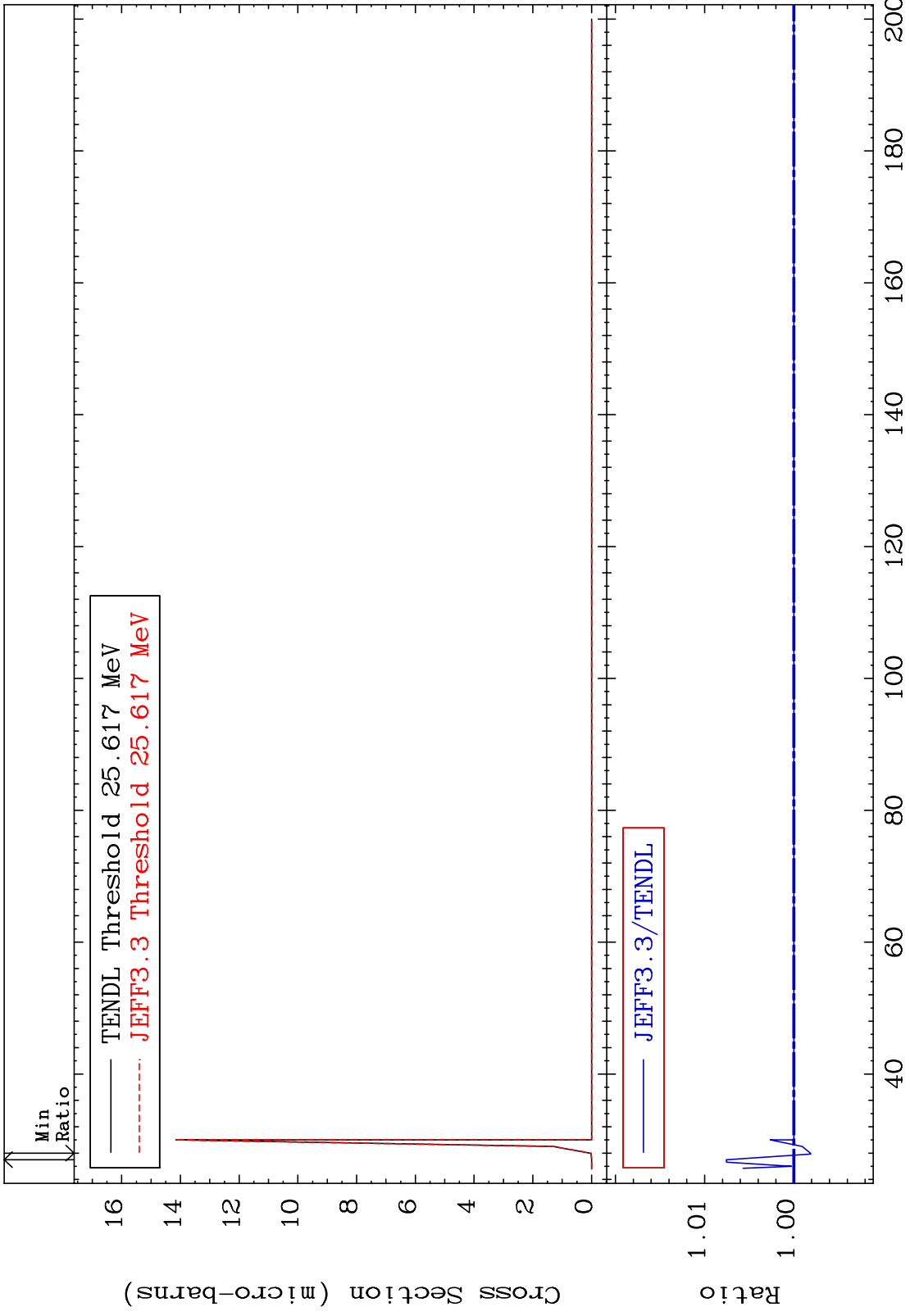
36-Kr-83
-0.176 To 4.404 %



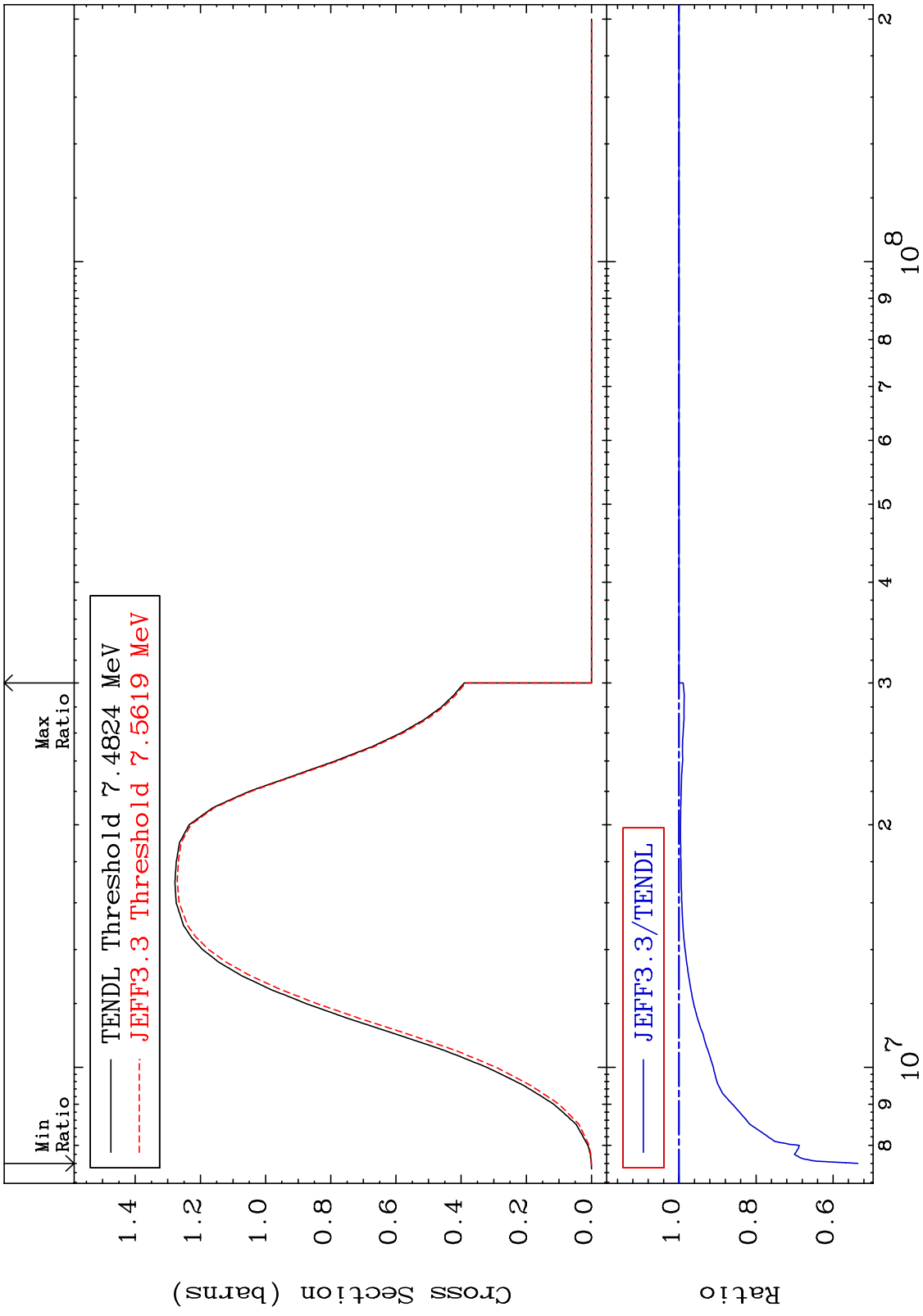
Incident Energy (eV)

36-Kr-83

MAT 3640 (n,2n) d 36-Kr-83
Cross Section -0.190 To 0.756 %

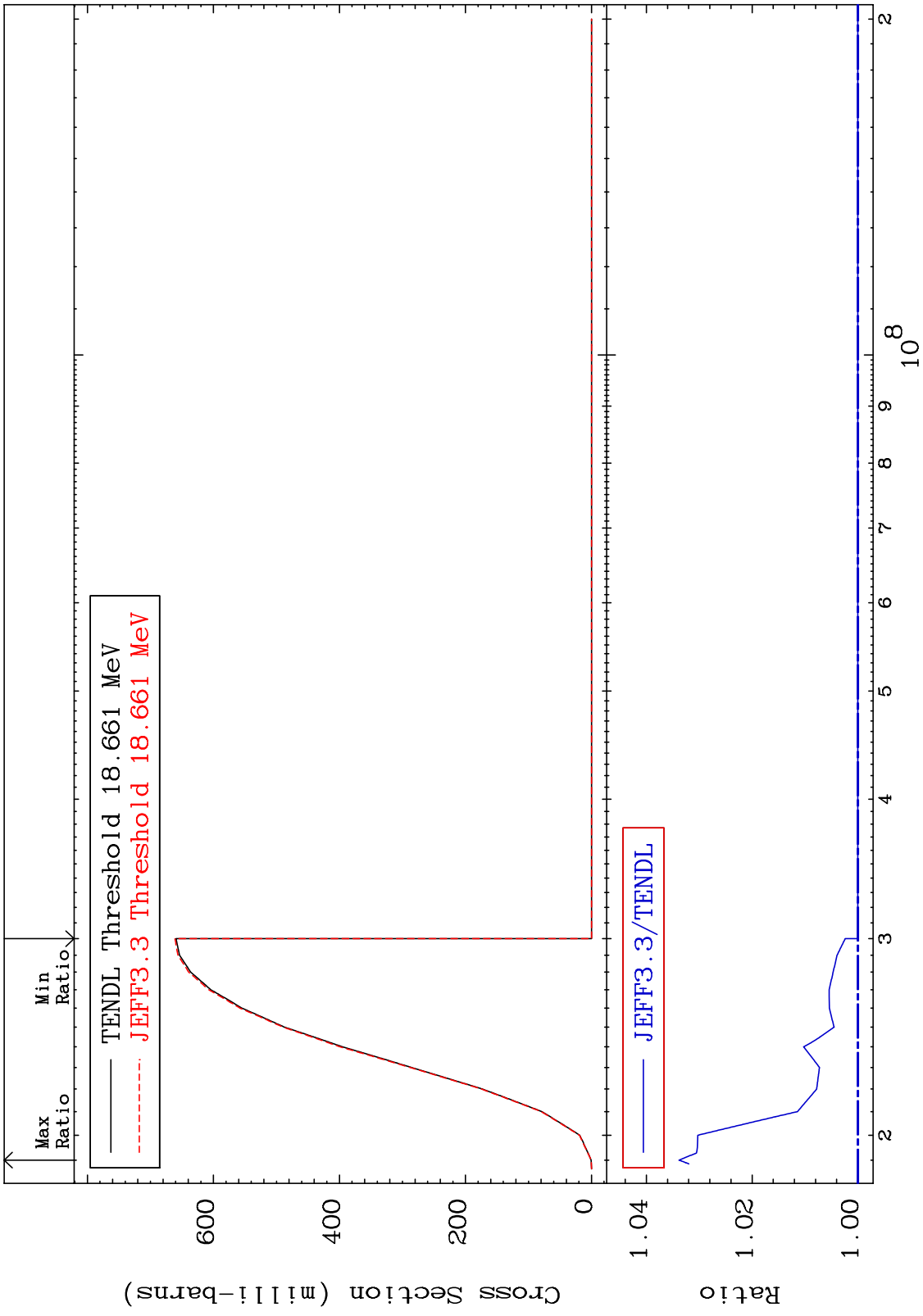


MAT 3640 $^{36}\text{Kr-83}$ (n,2n) Cross Section -46.44 To 0.000 %

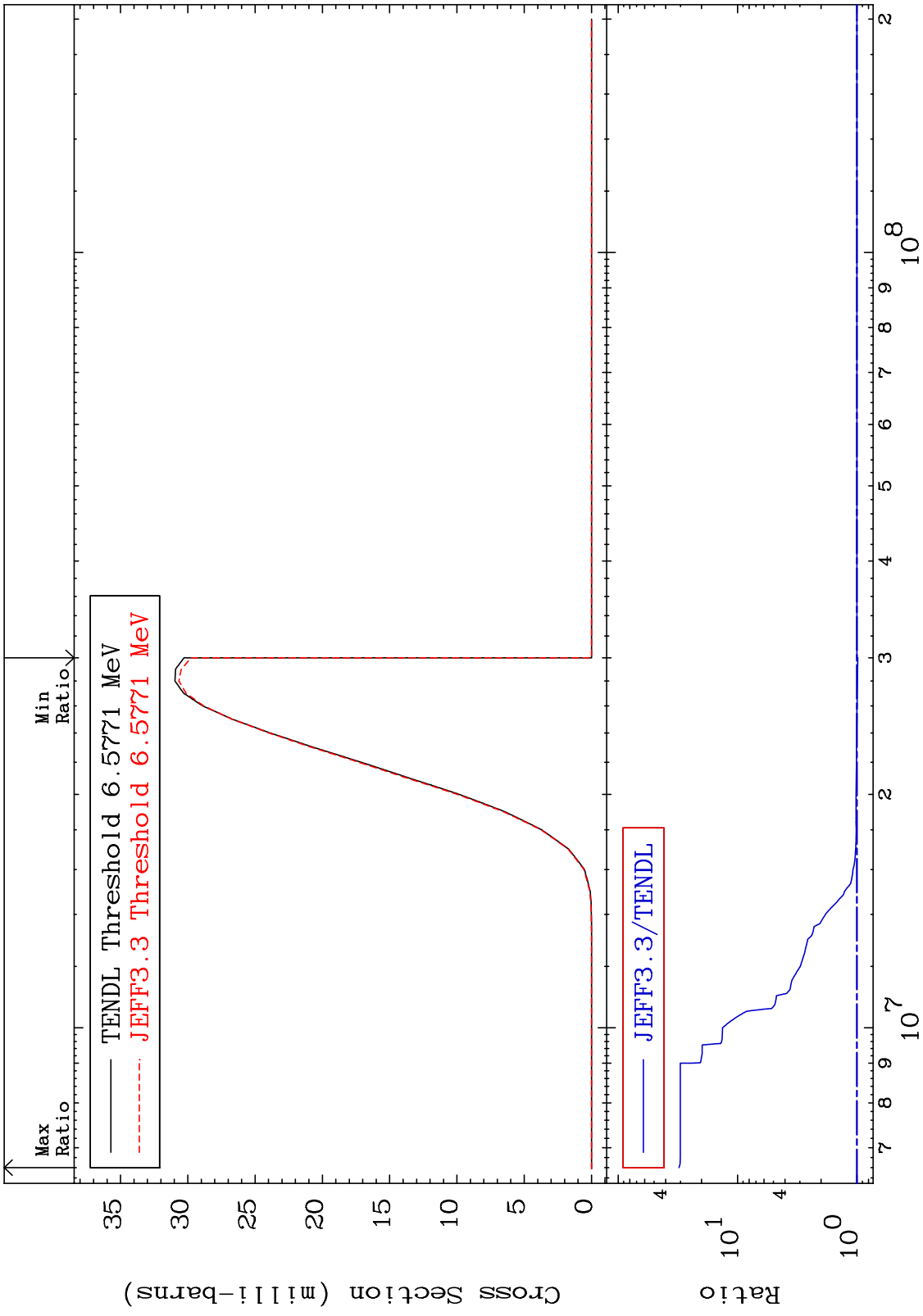


36-Kr-83

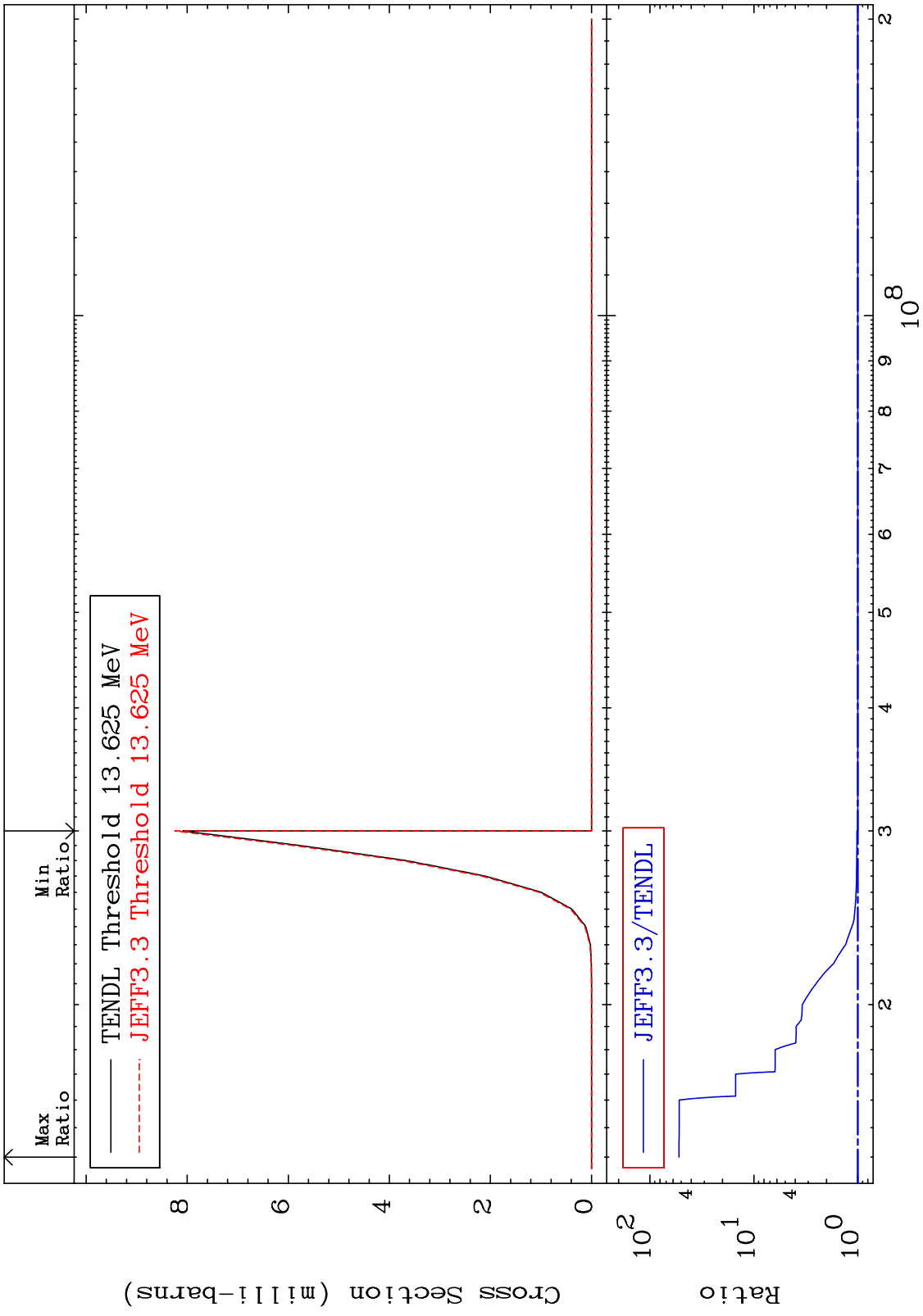
MAT 3640 $(n, 3n)$ Cross Section 36-Kr-83 To 3.382 %
 0.000

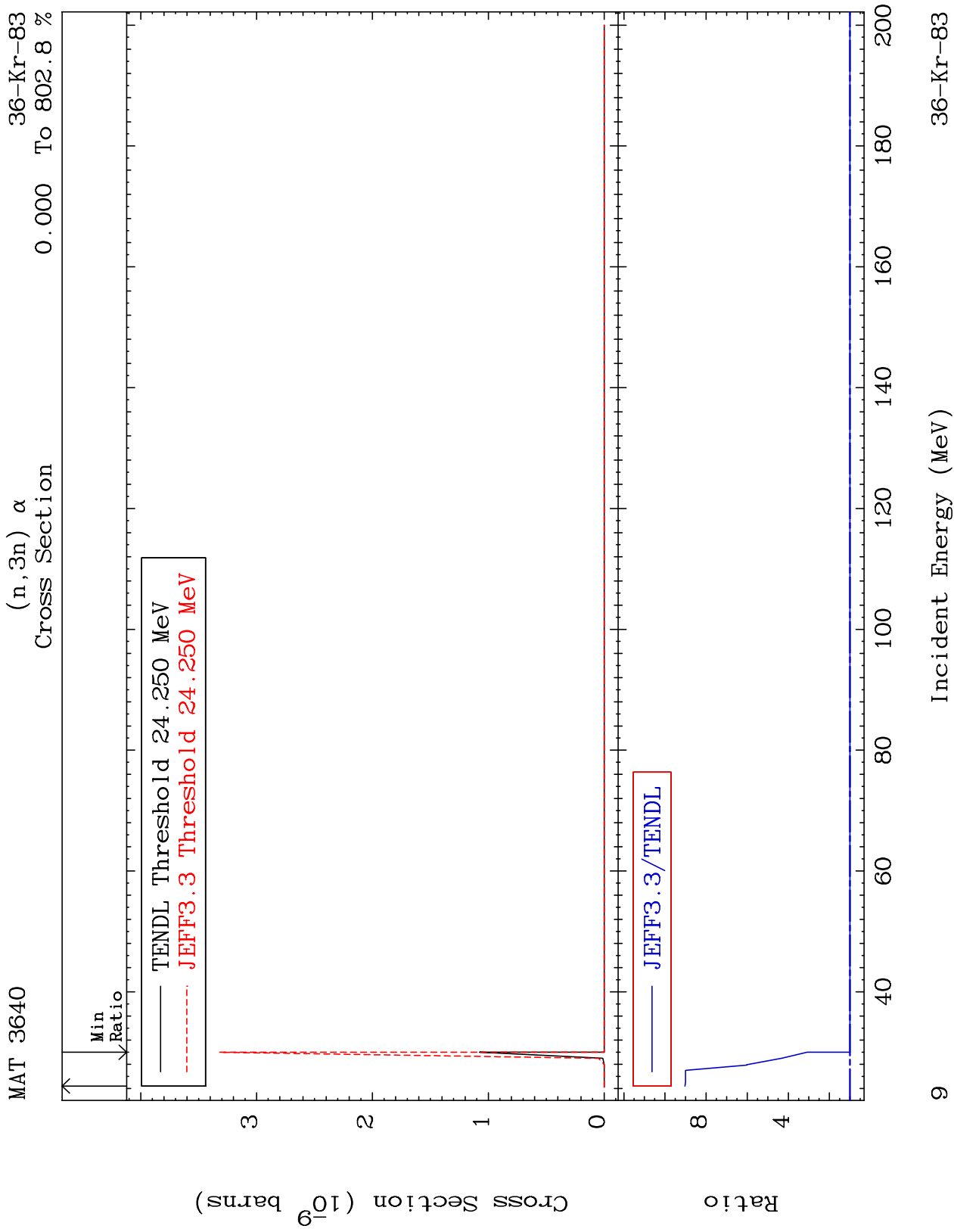


MAT 3640 $(n, n') \alpha$ 36-Kr-83
 Cross Section -1.786 To 2988. %

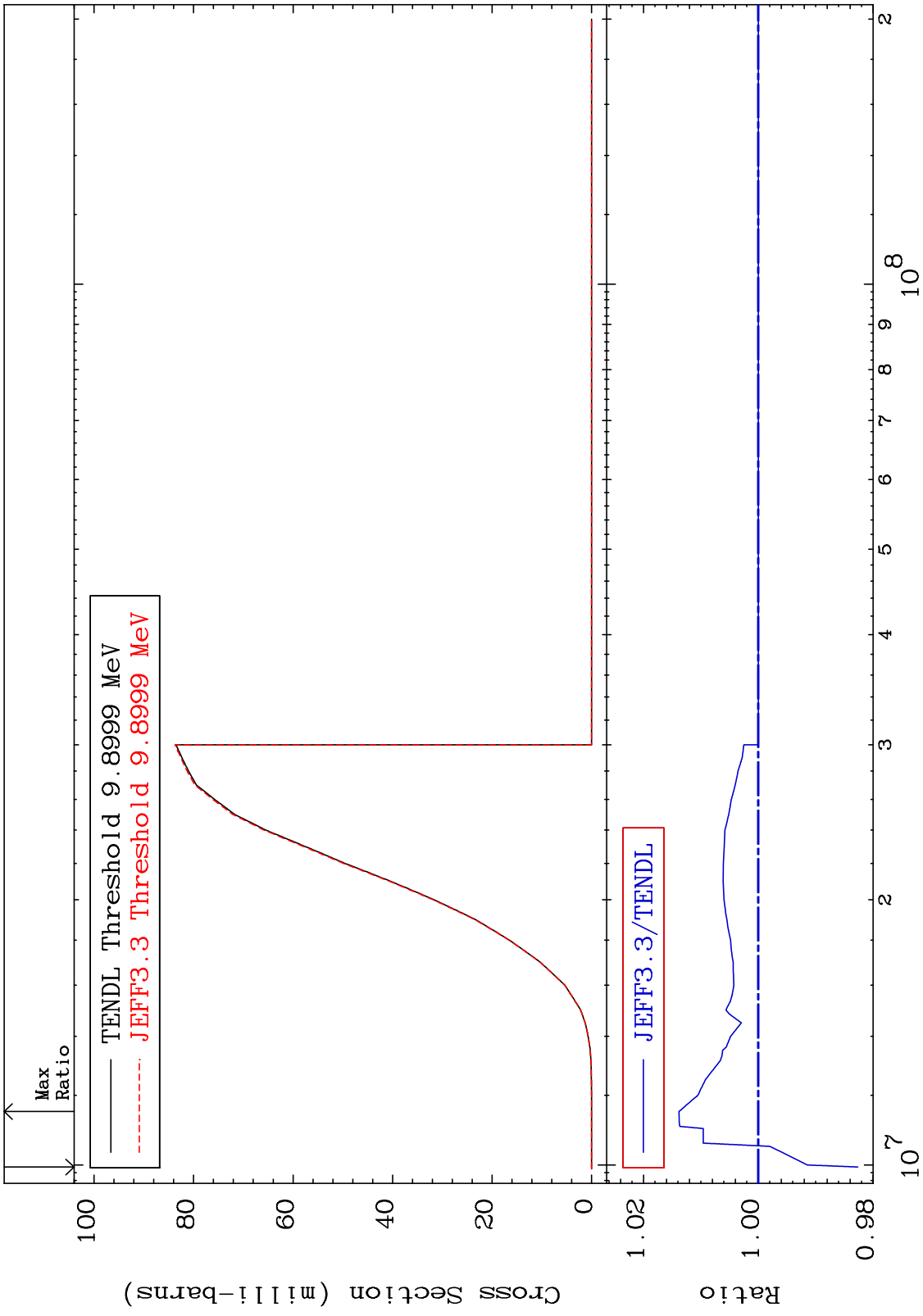


MAT 3640 $(n, 2n) \alpha$ 36-Kr-83
 Cross Section 0.000 To 5146. %



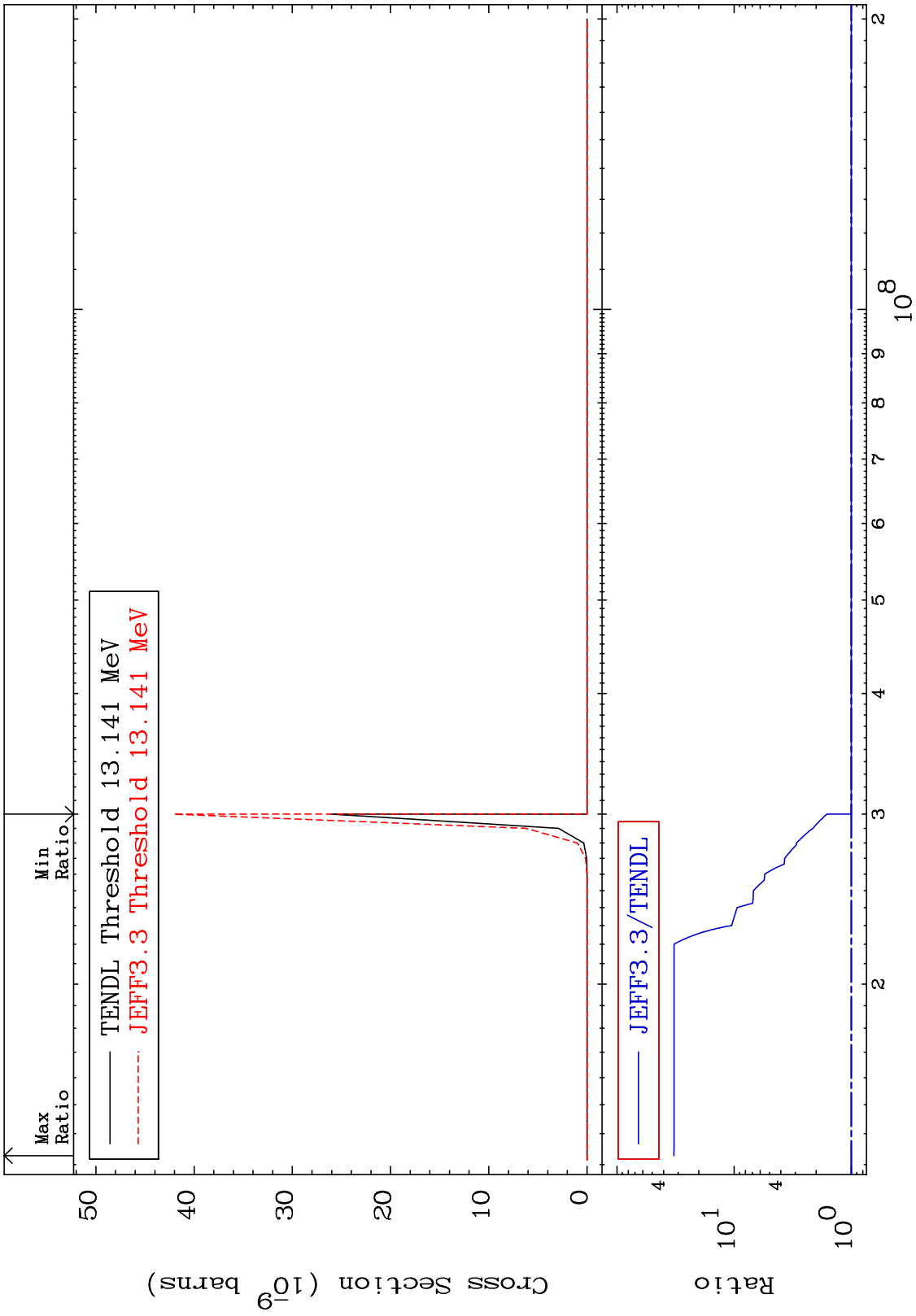


MAT 3640 (n,n') p 36-Kr-83
 Cross Section -1.735 To 1.381 %



36-Kr-83

MAT 3640 (n,n') 2α Cross Section 36-Kr-83 To 3163. %



36-Kr-83

Incident Energy (eV)

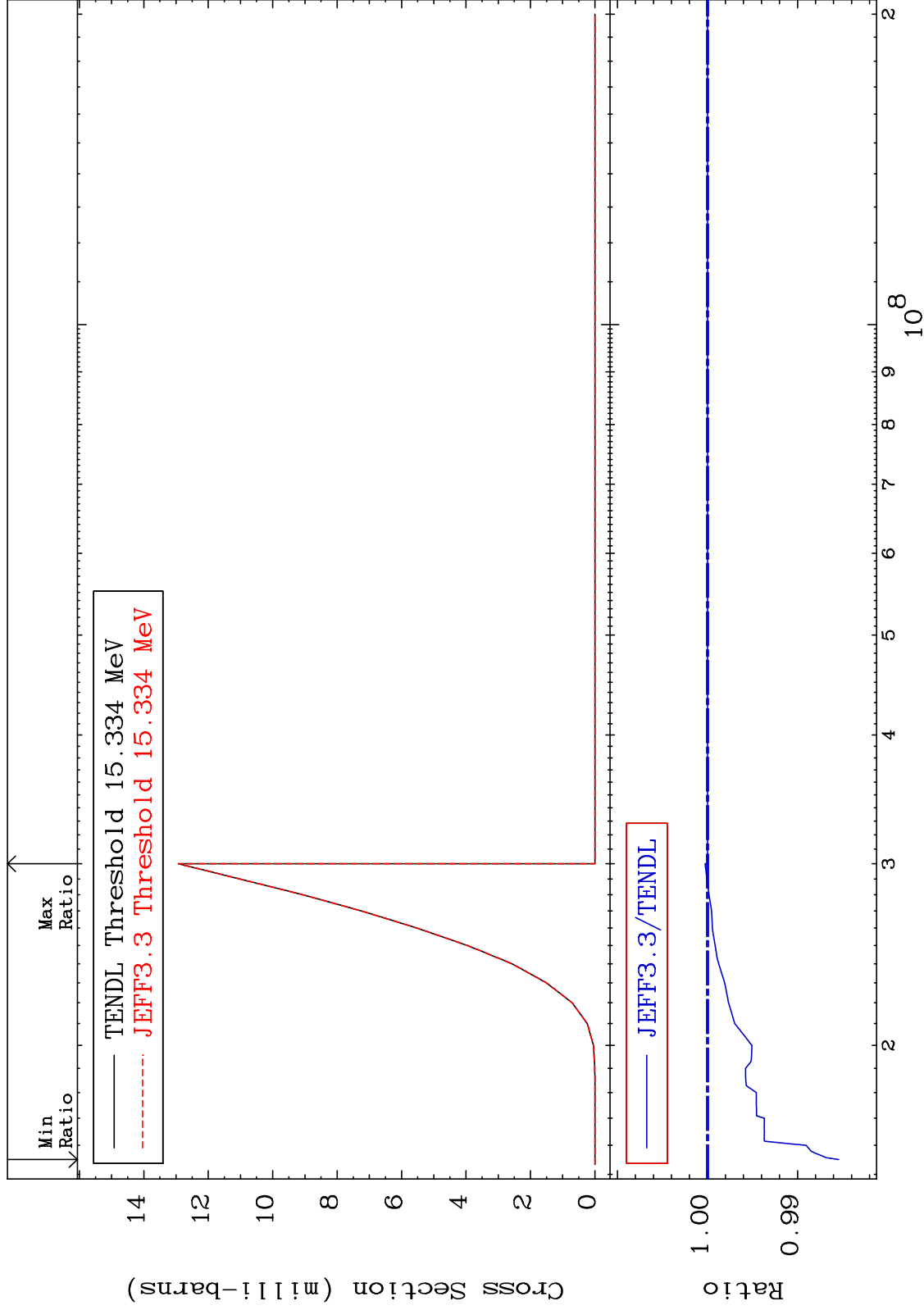
MAT 3640

(n,n') d

36-Kr-83

Cross Section

-1.457 To 0.026 %

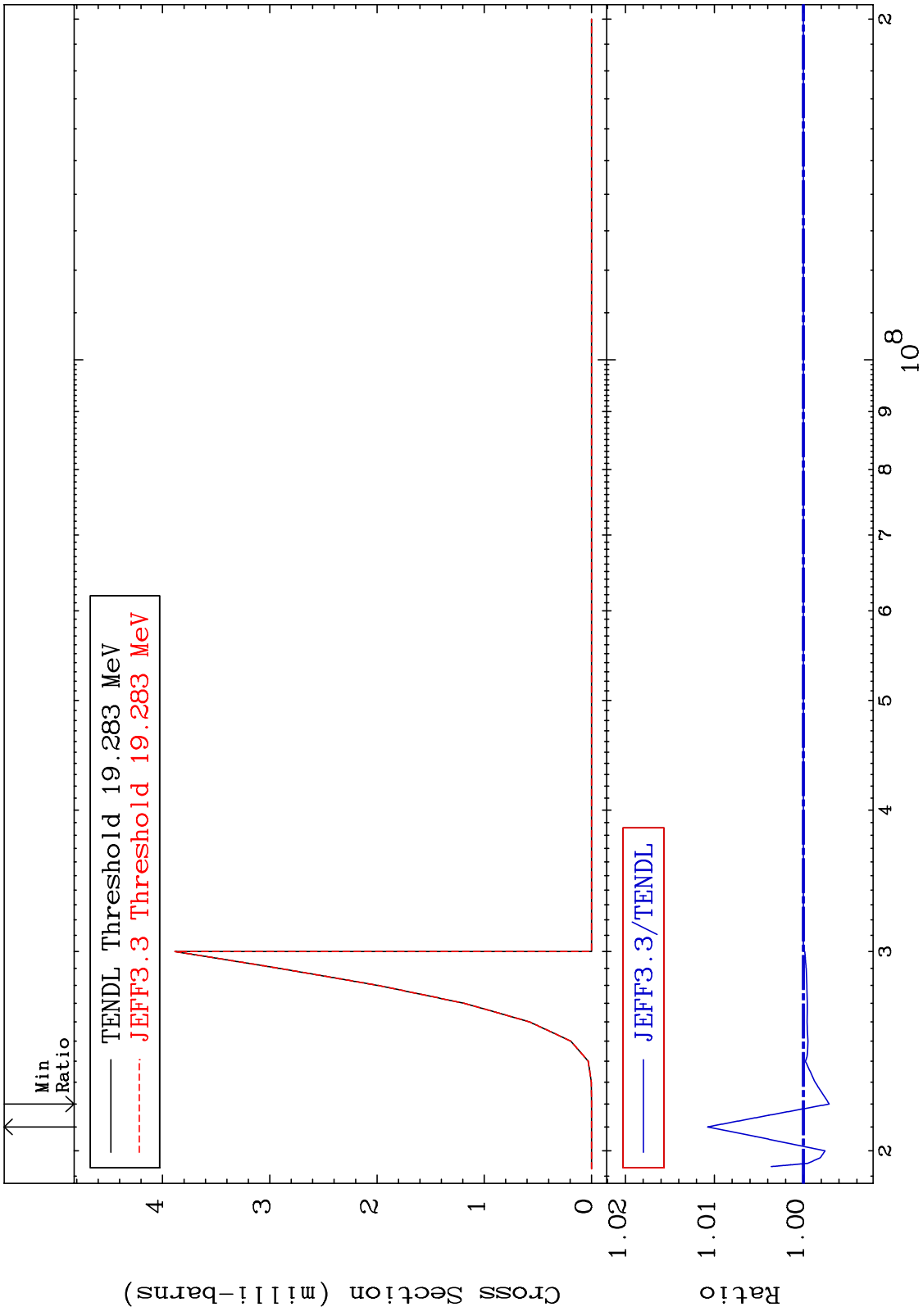


12

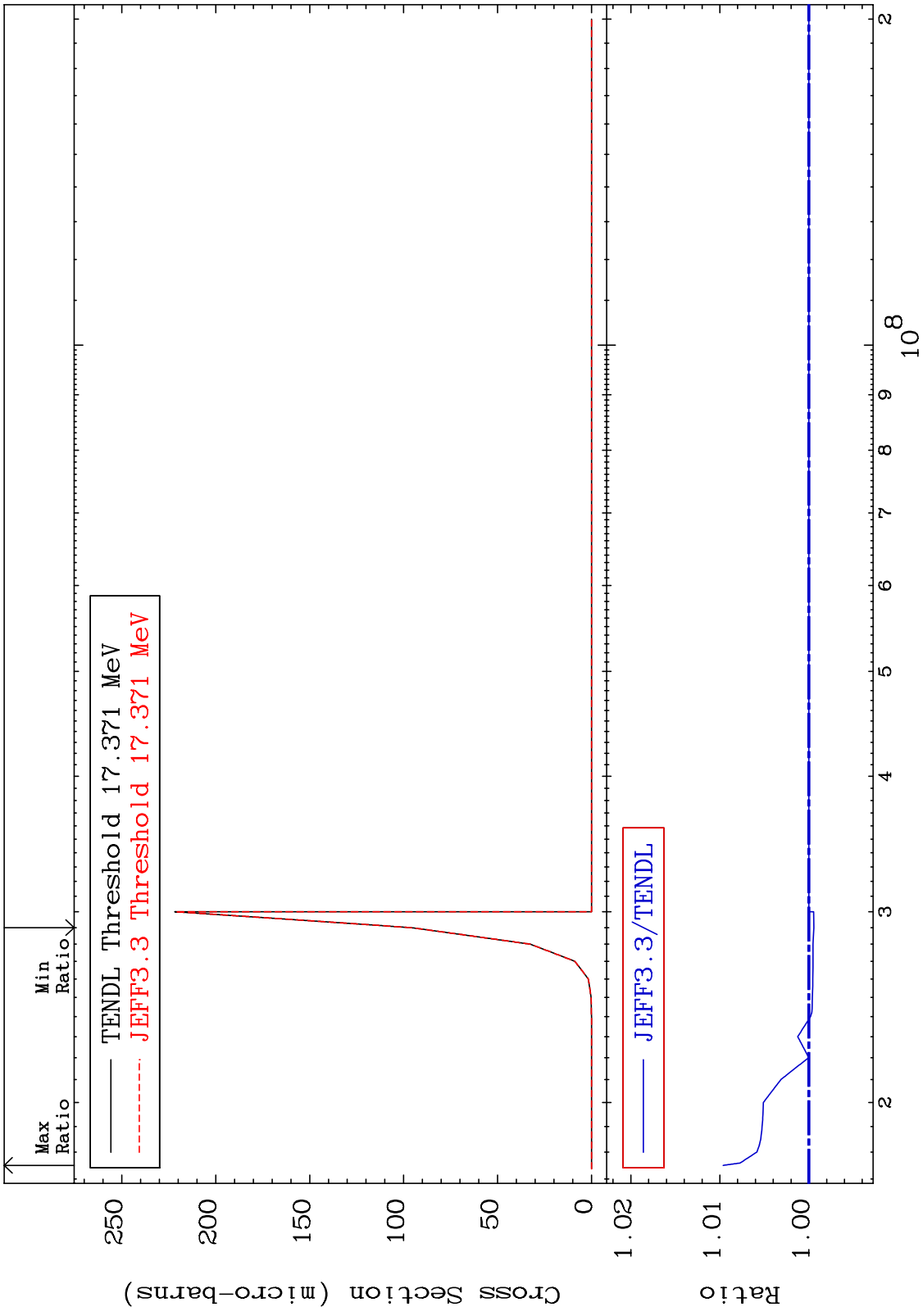
Incident Energy (eV)

36-Kr-83

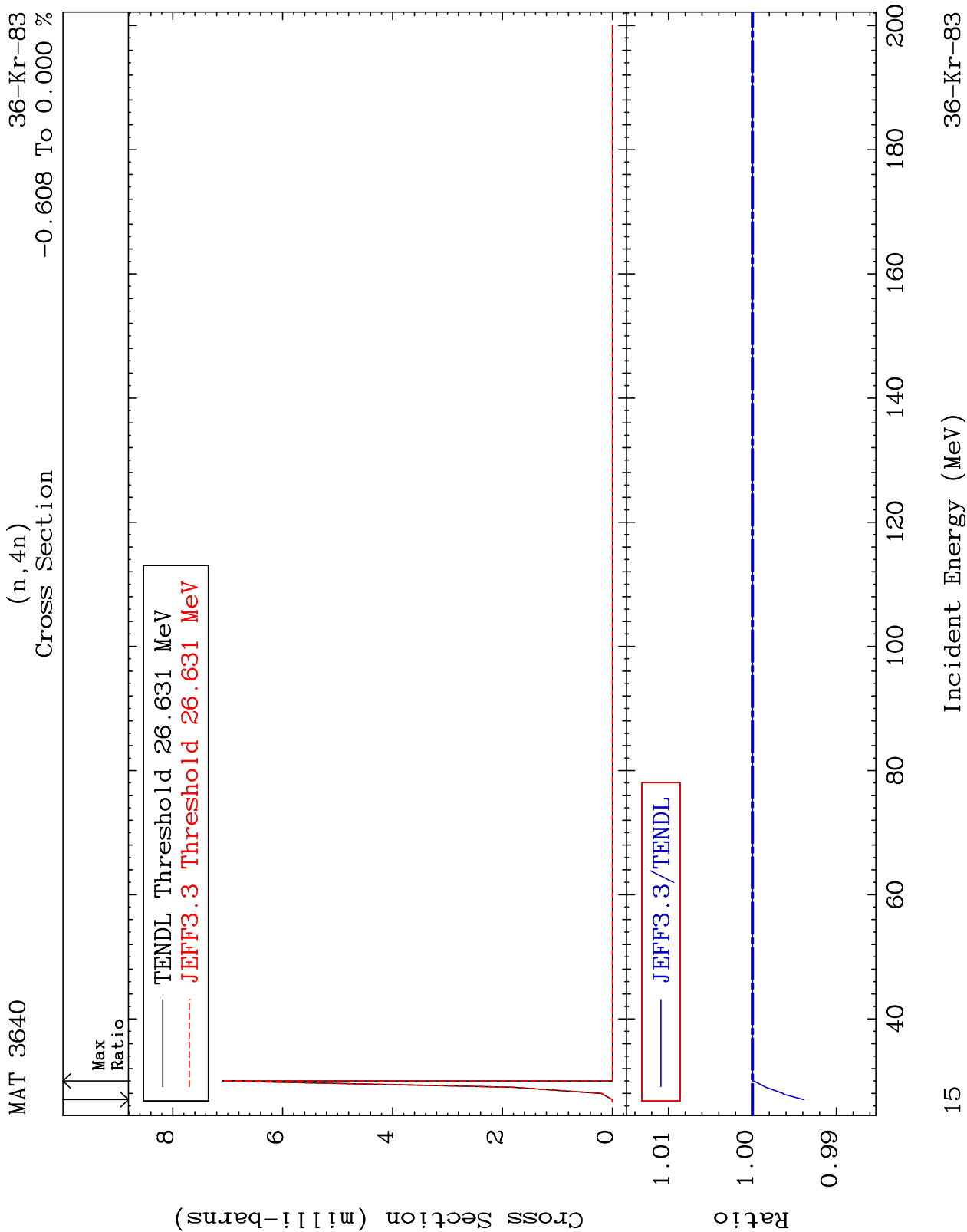
MAT 3640 (n,n') t 36-Kr-83
 Cross Section -0.289 To 1.075 %



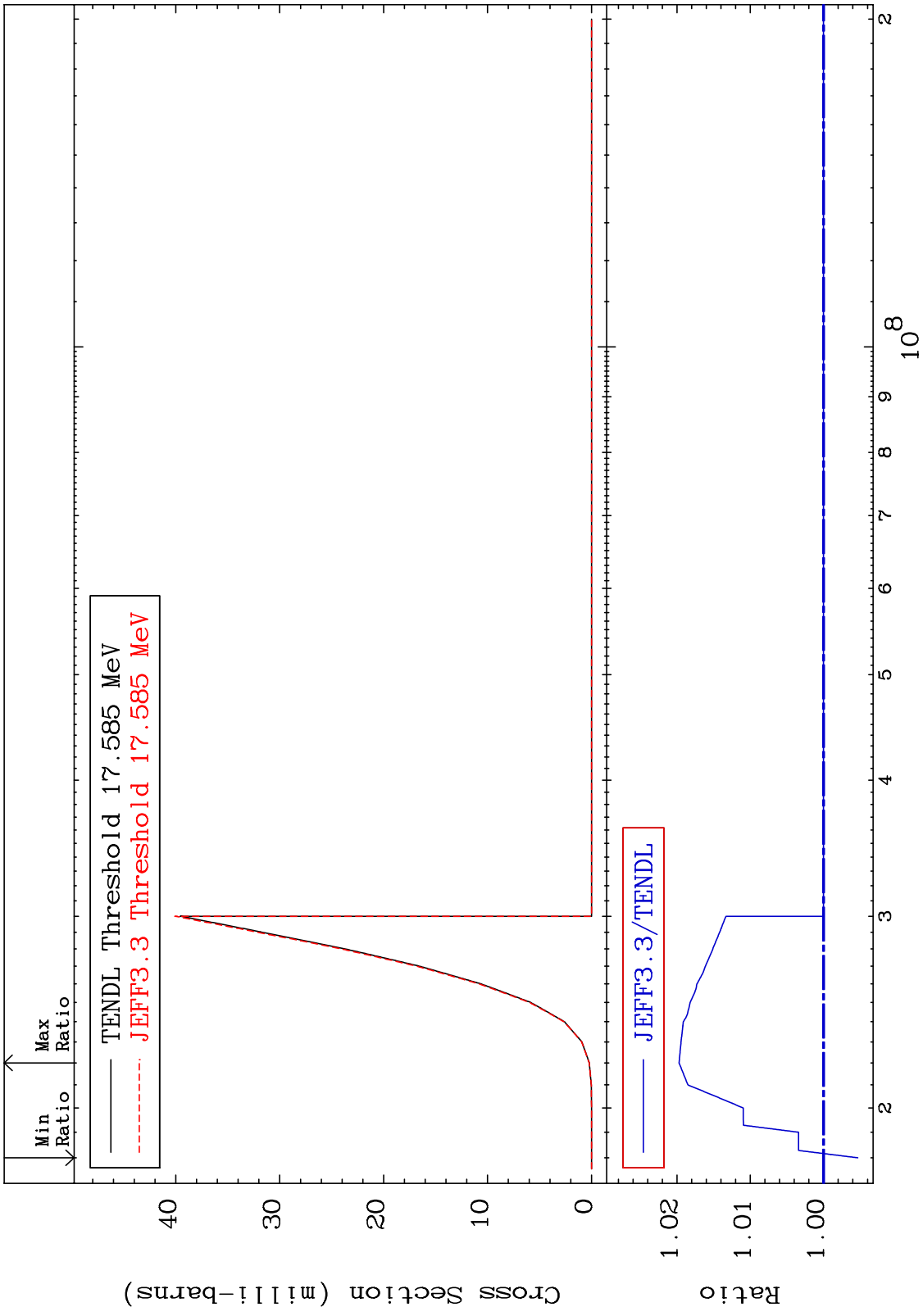
MAT 3640 (n, n') He-3 36-Kr-83
 Cross Section -0.055 To 0.963 %



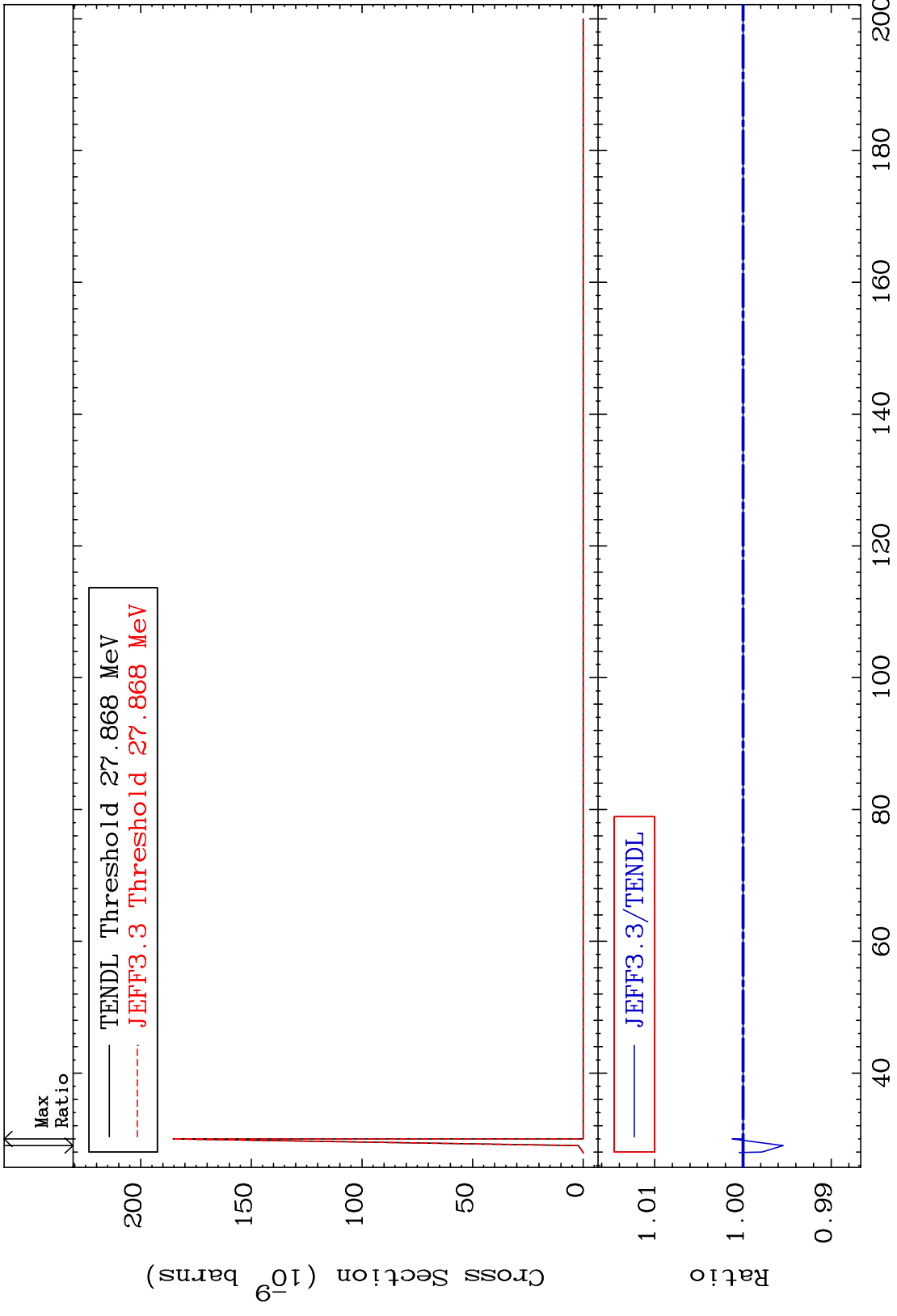
36-Kr-83



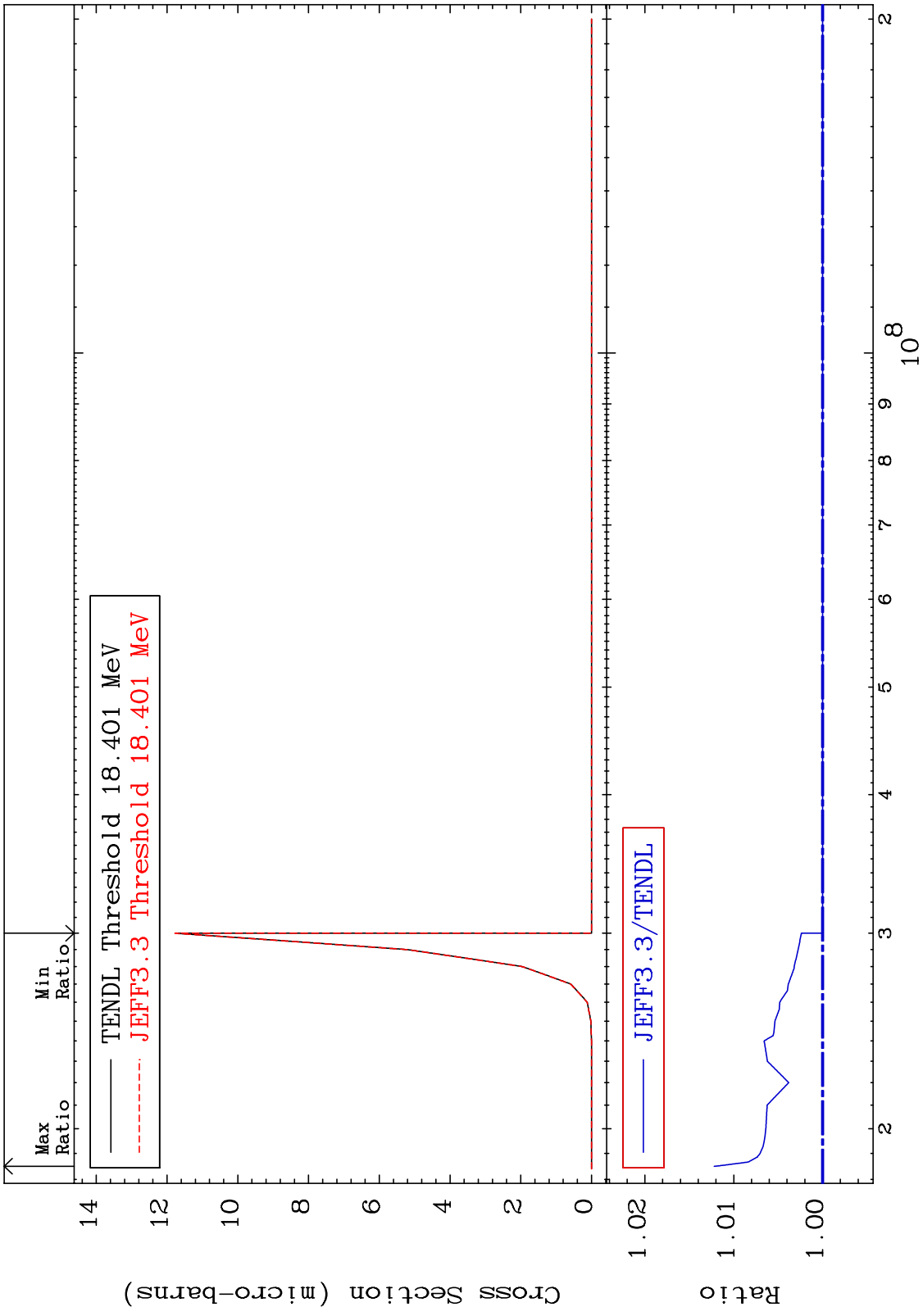
MAT 3640 (n,2n) p 36-Kr-83
 Cross Section -0.468 To 1.973 %



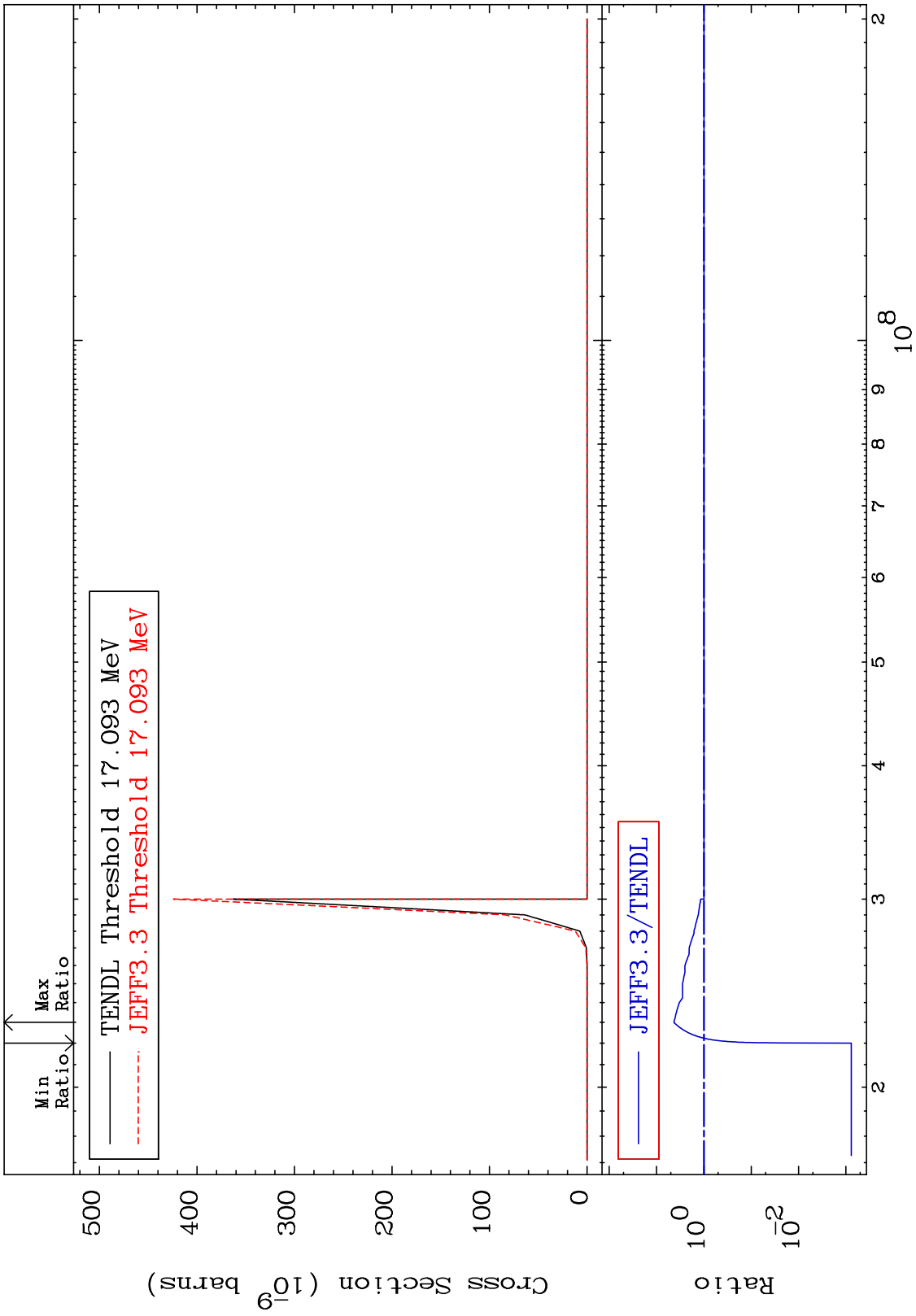
MAT 3640 (n,3n) p 36-Kr-83
Cross Section -0.455 To 0.125 %



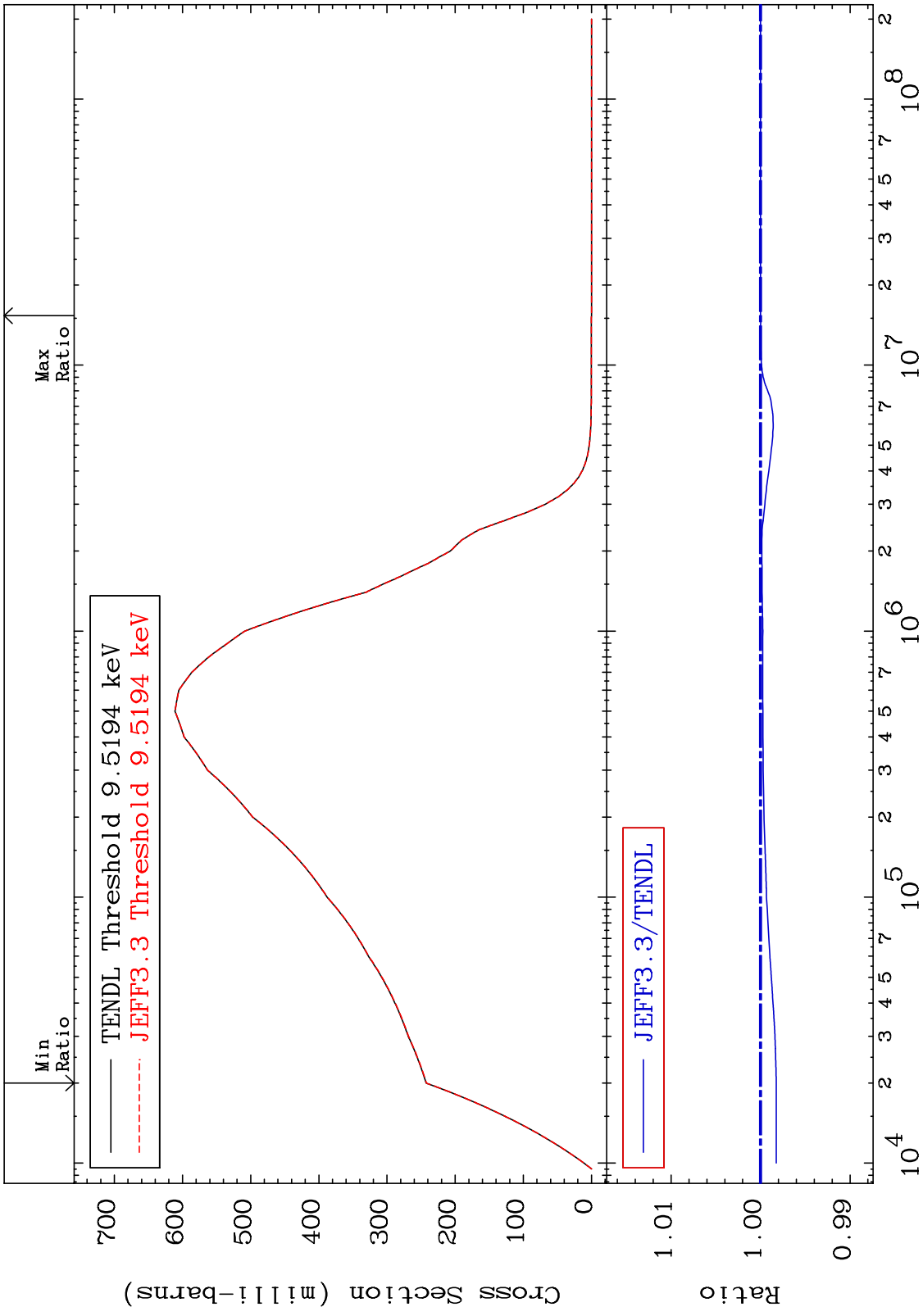
MAT 3640 (n,2n) p 36-Kr-83
 Cross Section 0.000 To 1.219 %



MAT 3640 (n,n') p α 36-Kr-83
Cross Section -99.92 To 330.3 %

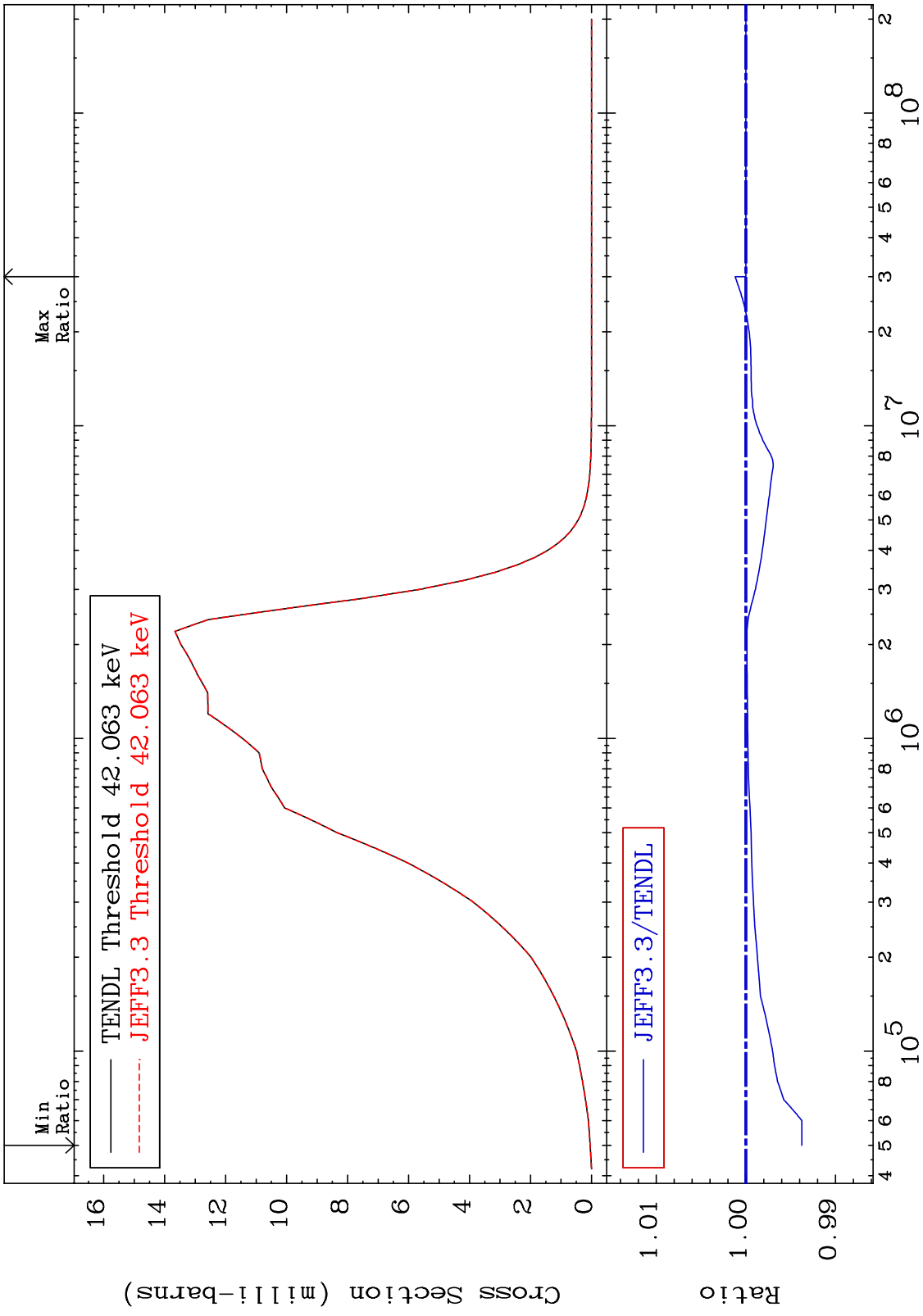


MAT 3640 MT= 51 (n,n') Level Cross Section -0.176 To 0.000 % 36-Kr-83

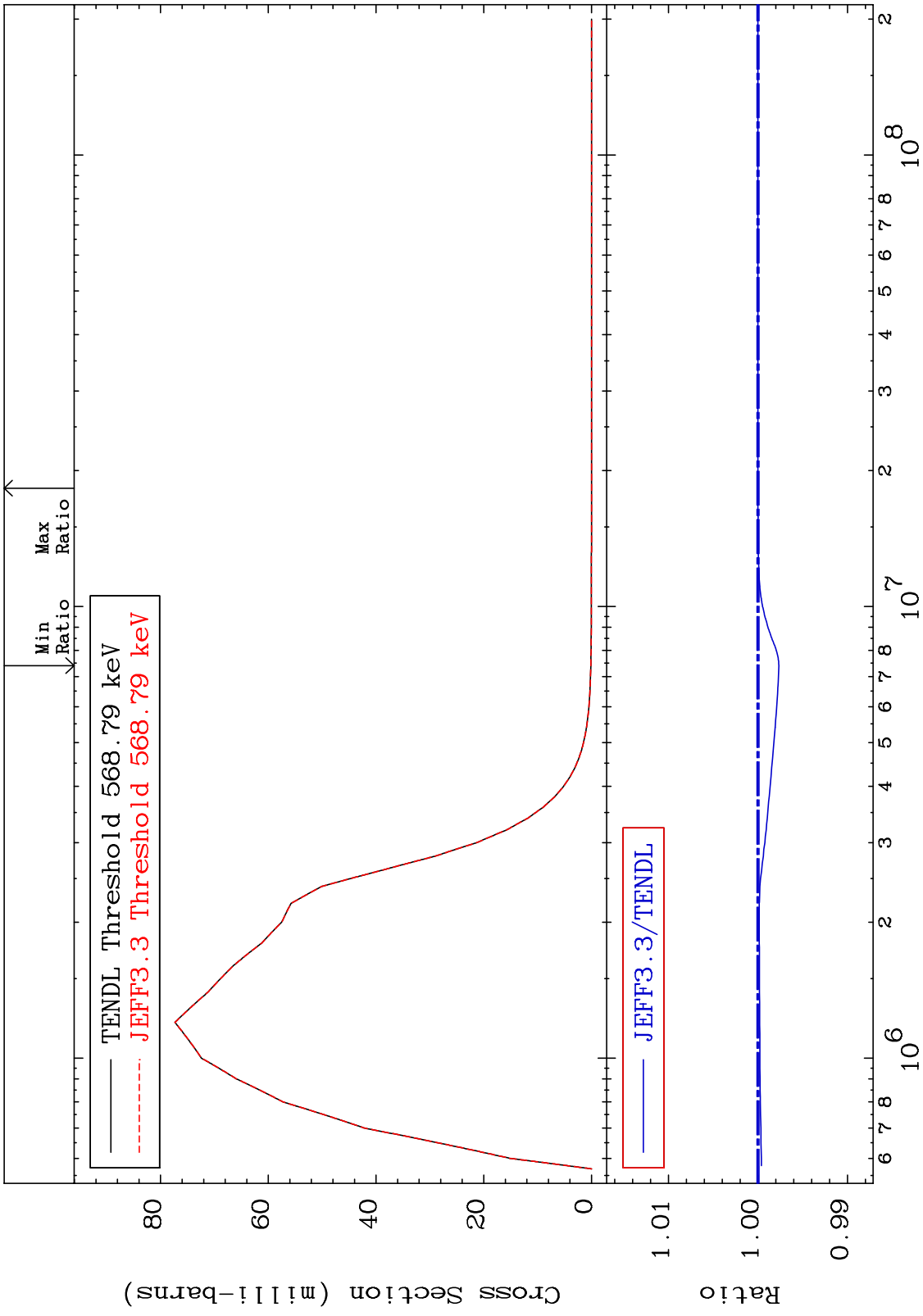


20 Incident Energy (eV) 36-Kr-83

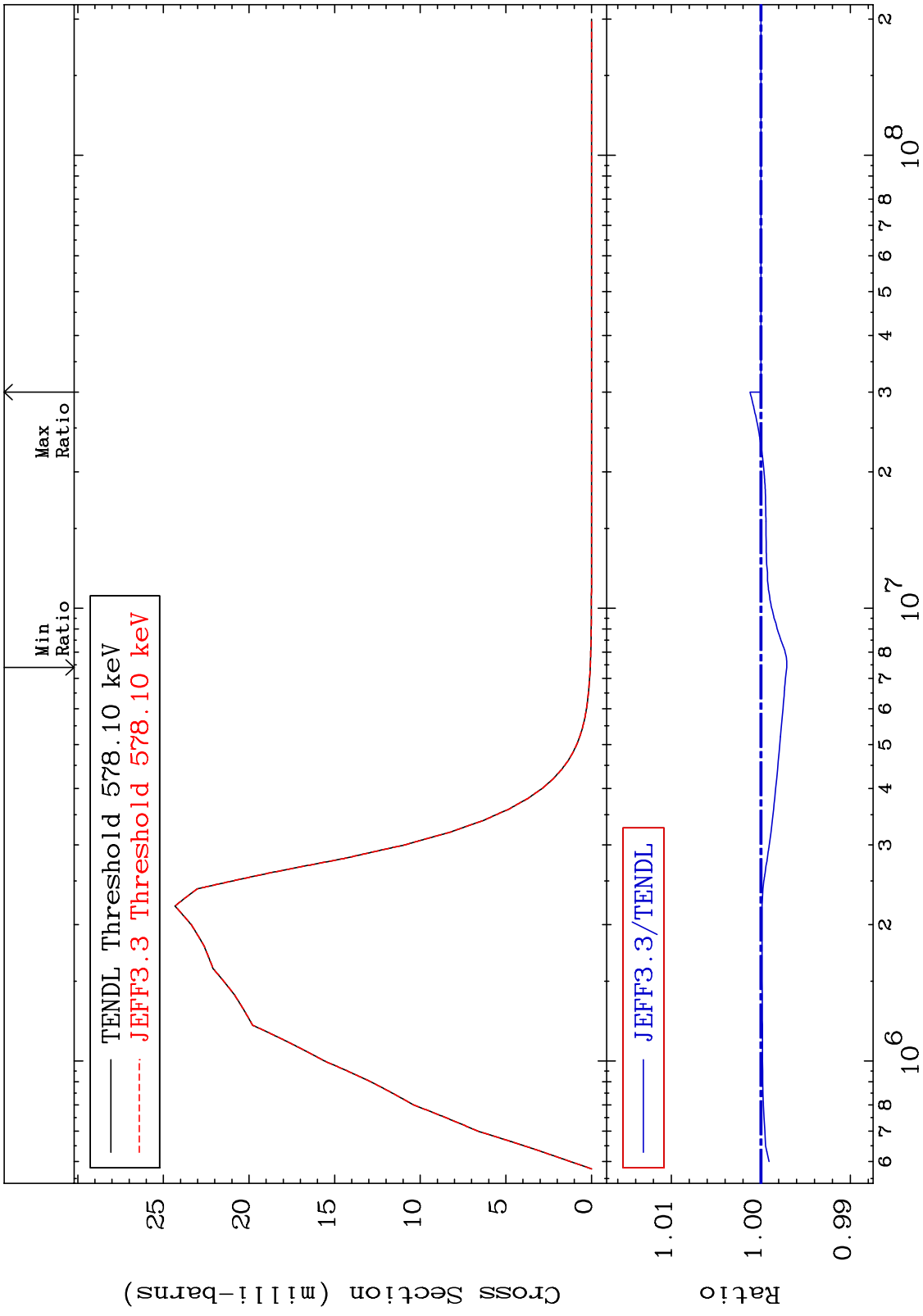
MAT 3640 MT= 52 (n,n') Level Cross Section -0.623 To 0.121 % 36-Kr-83



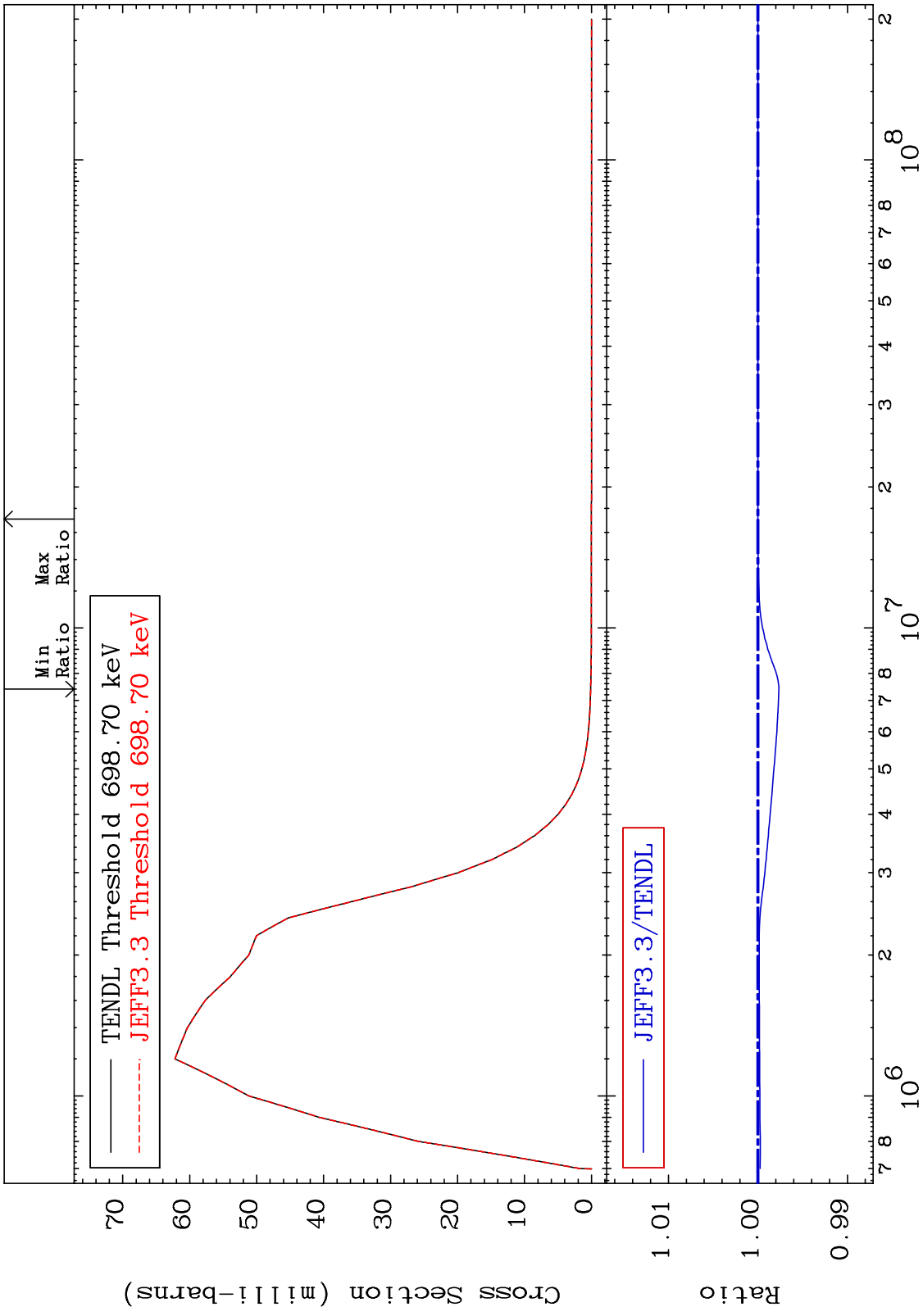
MAT 3640 MT= 53 (n,n') Level Cross Section -0.234 To 0.000 % 36-Kr-83



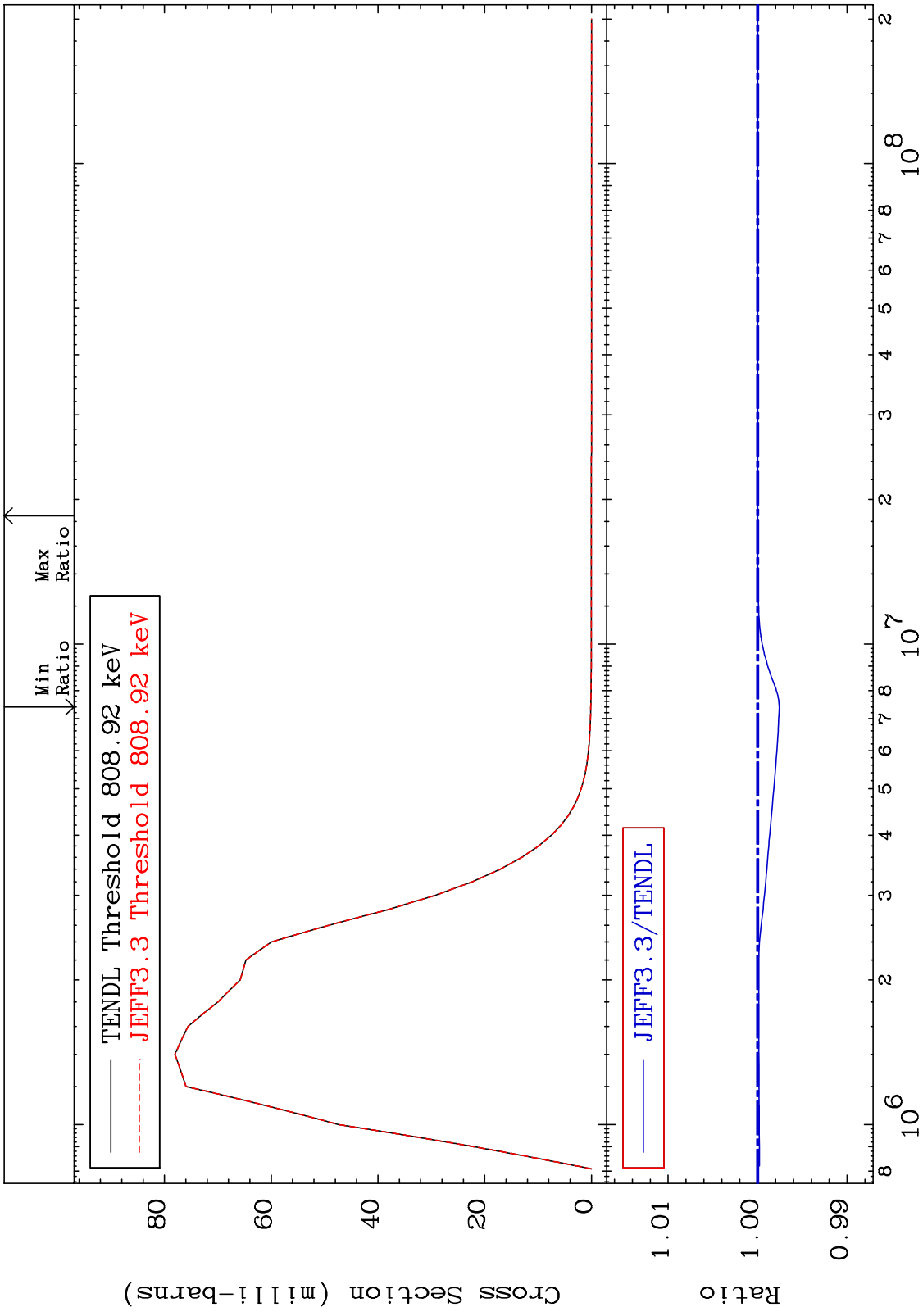
MAT 3640 MT= 54 (n,n') Level Cross Section -0.290 To 0.121 % 36-Kr-83



MAT 3640 MT= 55 (n,n') Level Cross Section -0.235 To 0.000 % 36-Kr-83



MAT 3640 MT= 56 (n,n') Level Cross Section -0.241 To 0.000 % 36-Kr-83

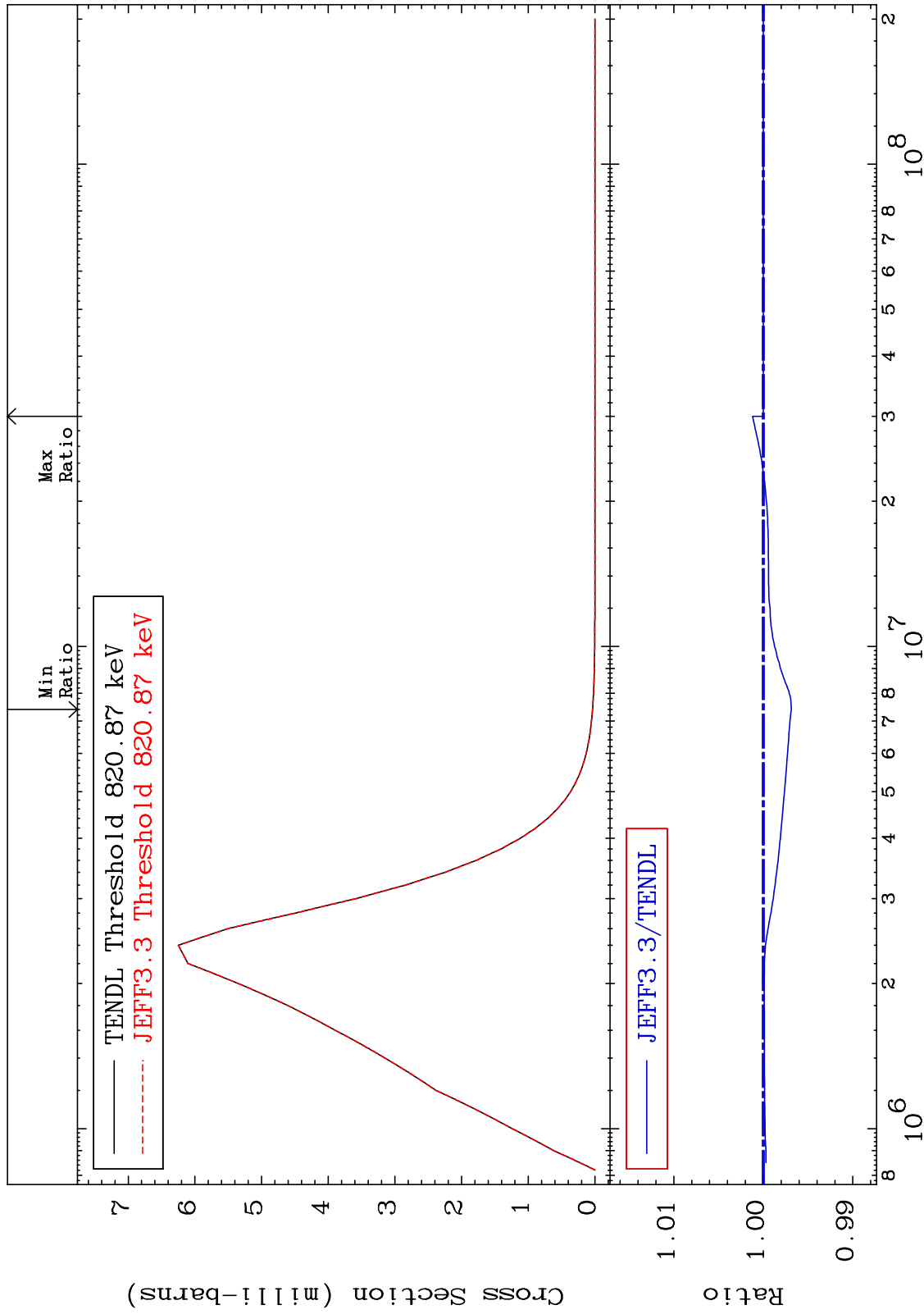


MAT 3640

MT= 57 (n,n') Level

36-Kr-83

Cross Section
-0.312 To 0.121 %

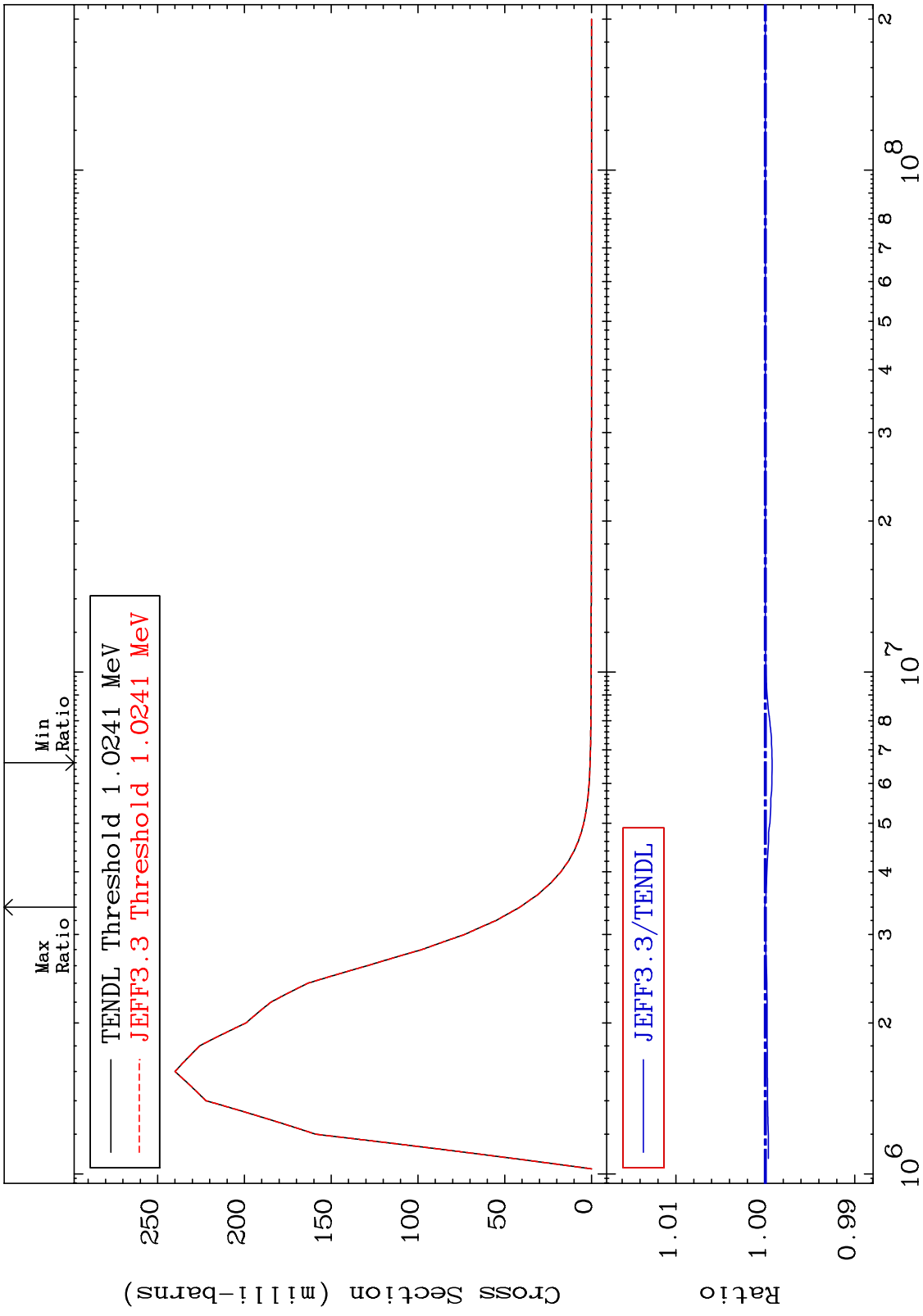


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Incident Energy (eV)

36-Kr-83

MAT 3640 MT= 58 (n,n') Level Cross Section 36-Kr-83
 -0.077 To 0.006 %

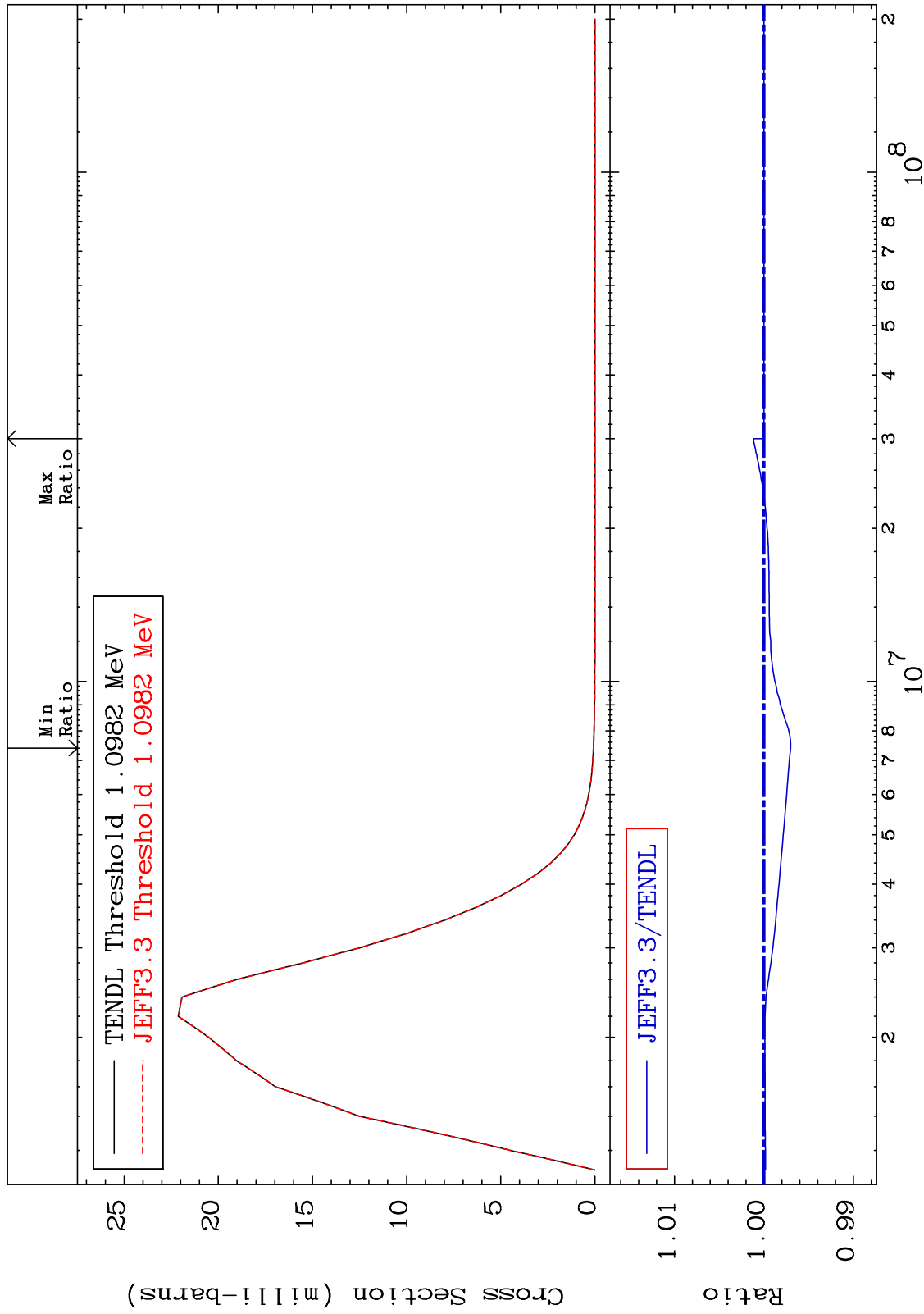


Incident Energy (eV) 36-Kr-83

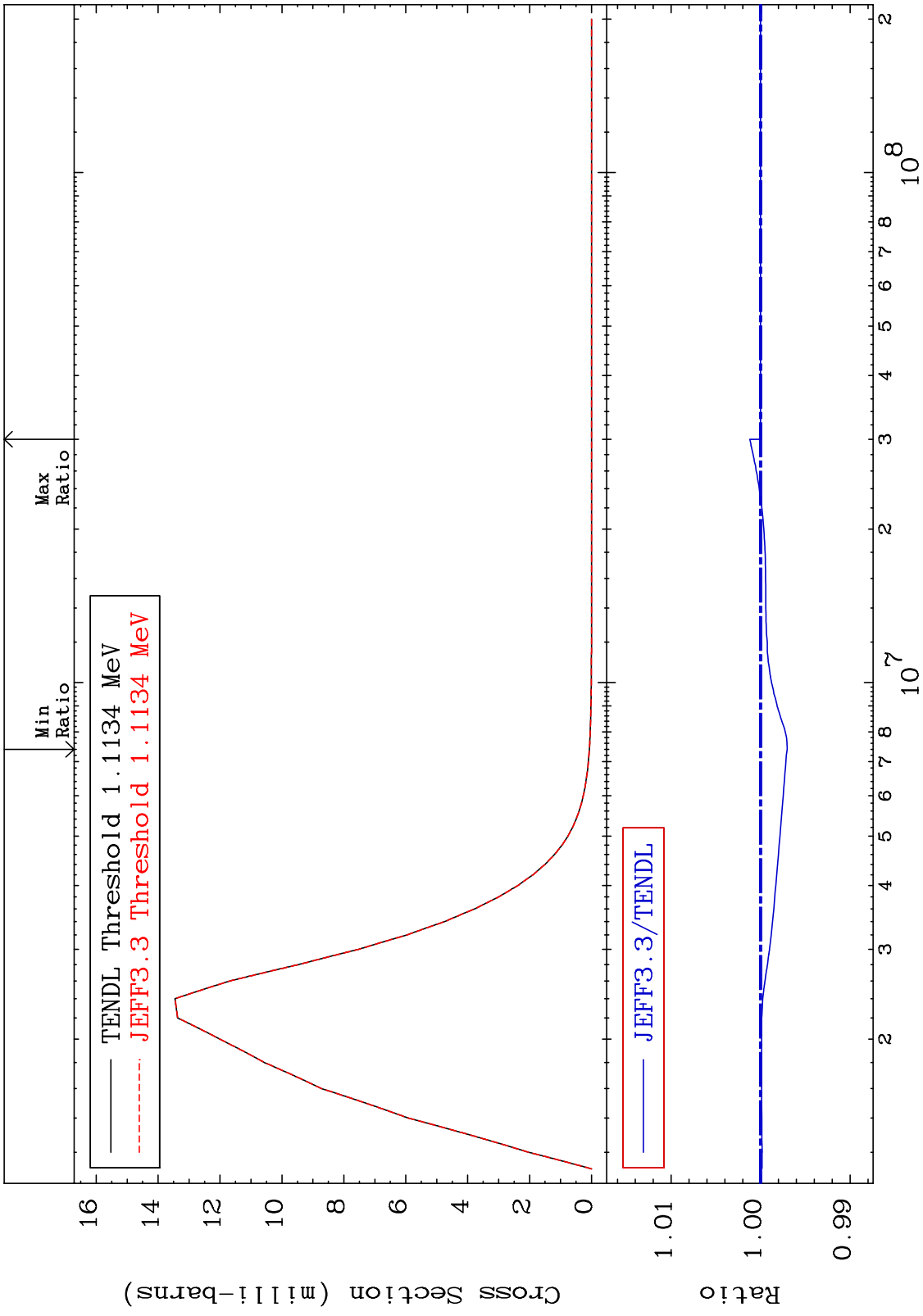
MAT 3640

MT= 59 (n,n') Level
Cross Section

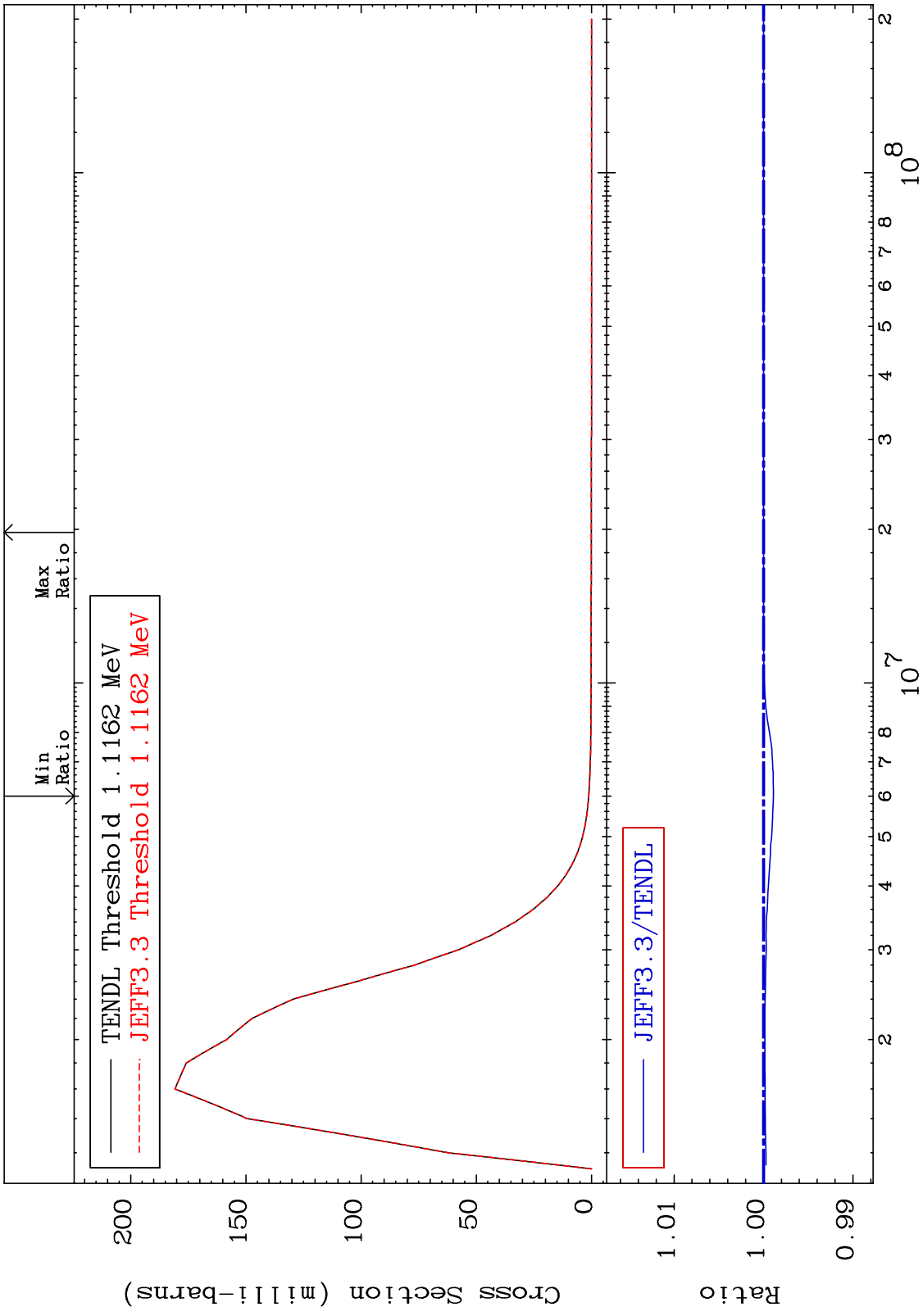
36-Kr-83
-0.298 To 0.121 %



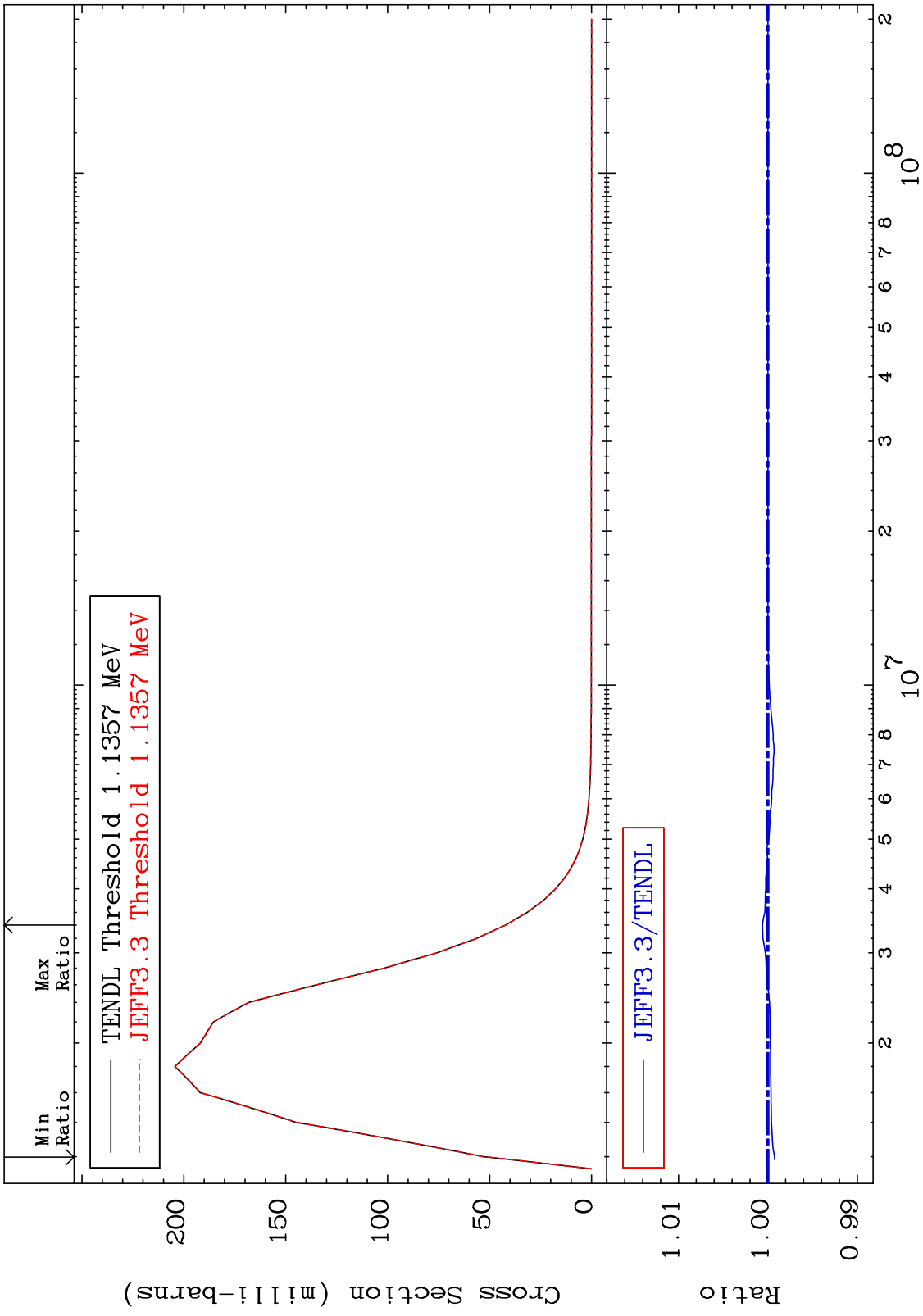
MAT 3640 MT= 60 (n,n') Level Cross Section -0.296 To 0.121 % 36-Kr-83



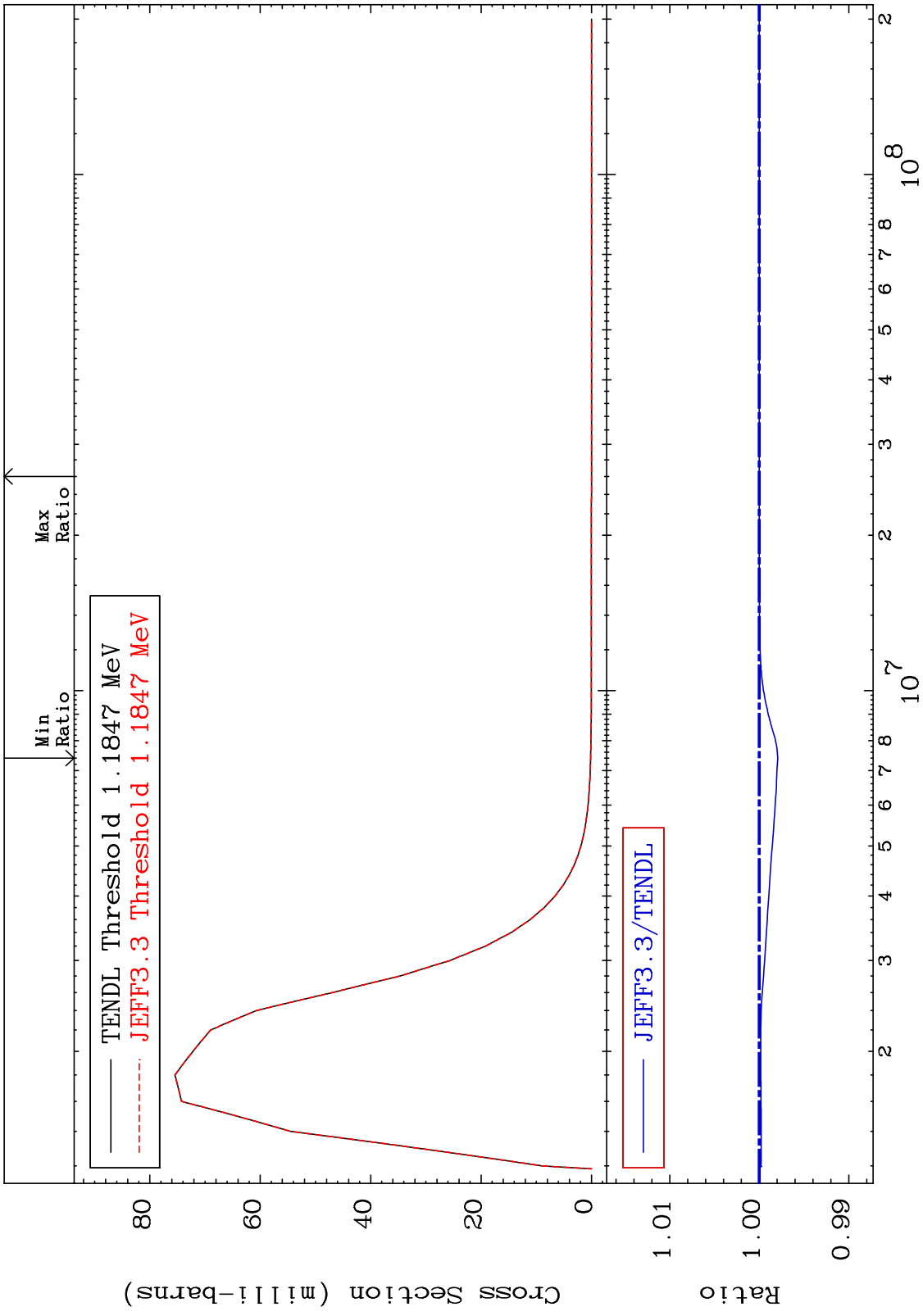
MAT 3640 MT= 61 (n,n') Level Cross Section -0.110 To 0.000 % 36-Kr-83



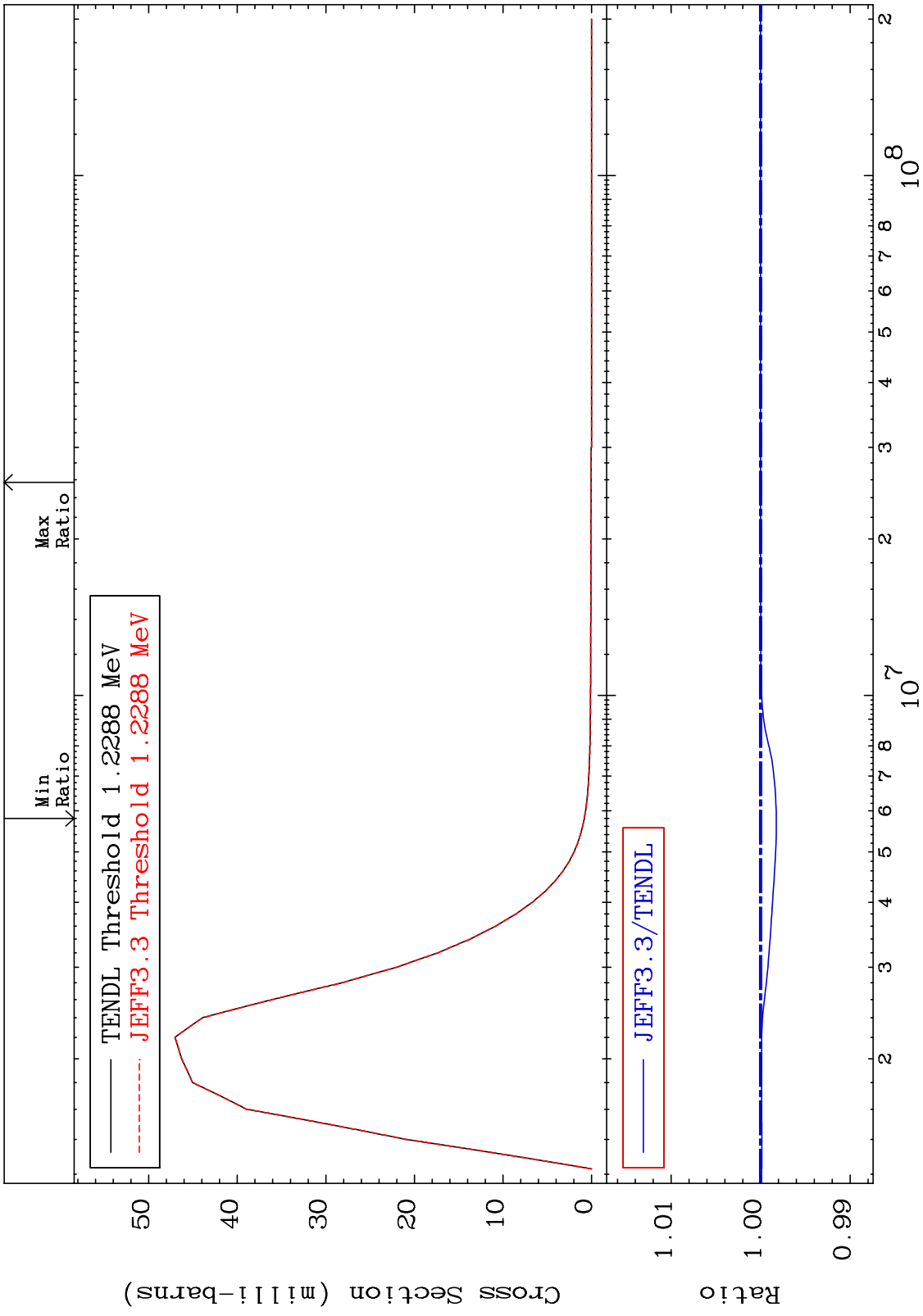
MAT 3640 MT= 62 (n,n') Level Cross Section 36-Kr-83
 -0.074 To 0.061 %



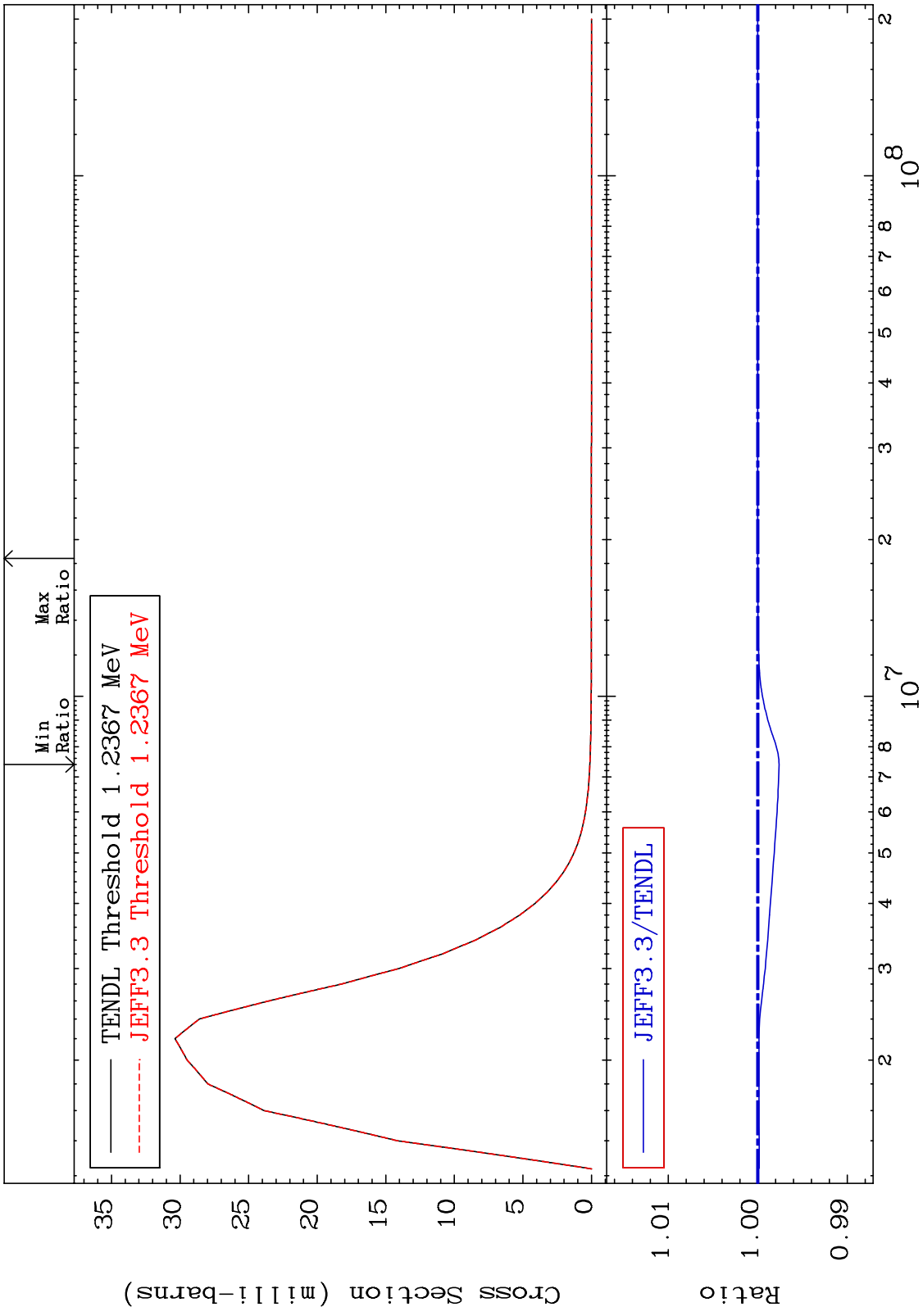
MAT 3640 MT= 63 (n,n') Level Cross Section 36-Kr-83
 -0.206 To 0.000 %



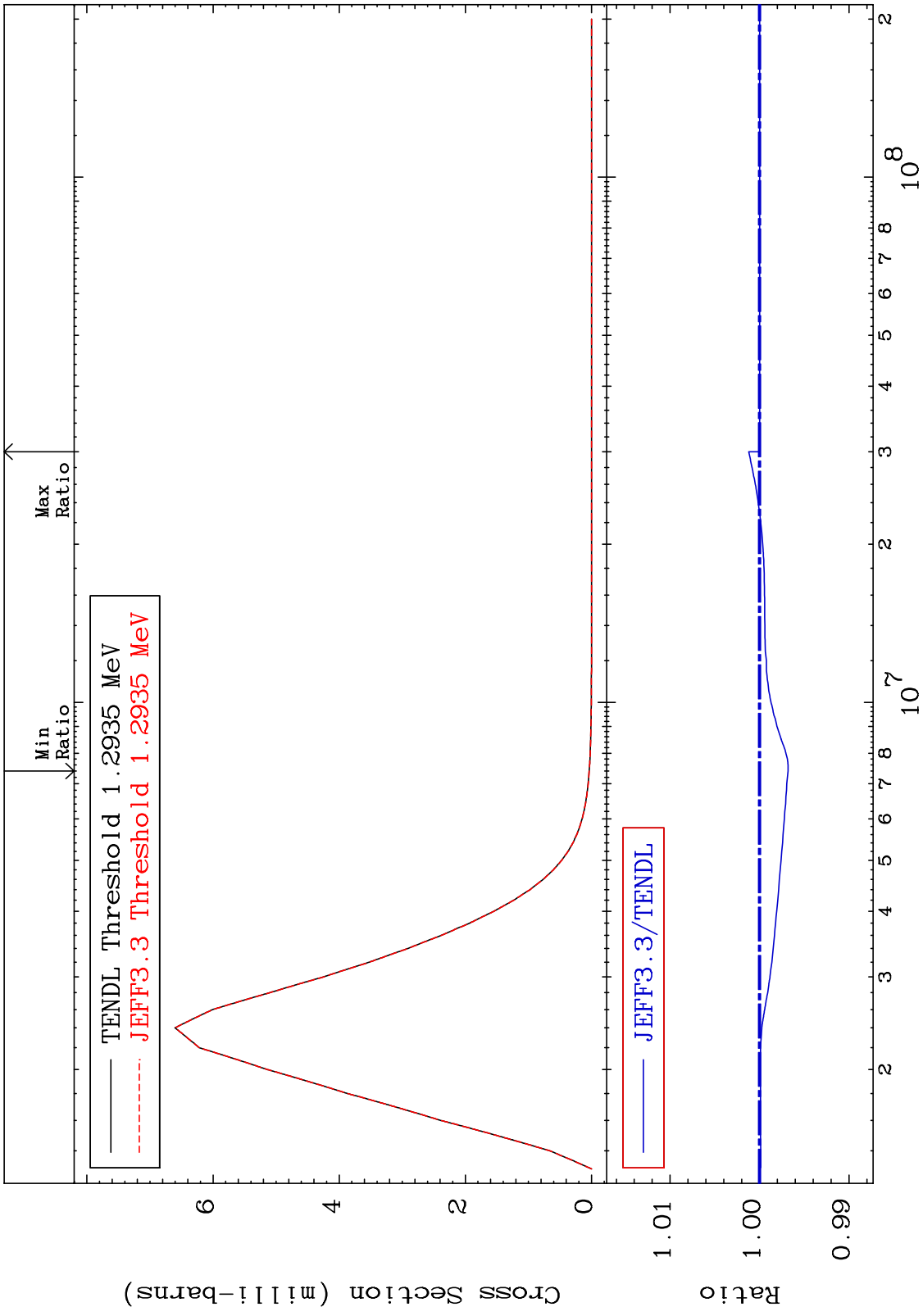
MAT 3640 MT= 64 (n,n') Level Cross Section -0.175 To 0.000 % 36-Kr-83



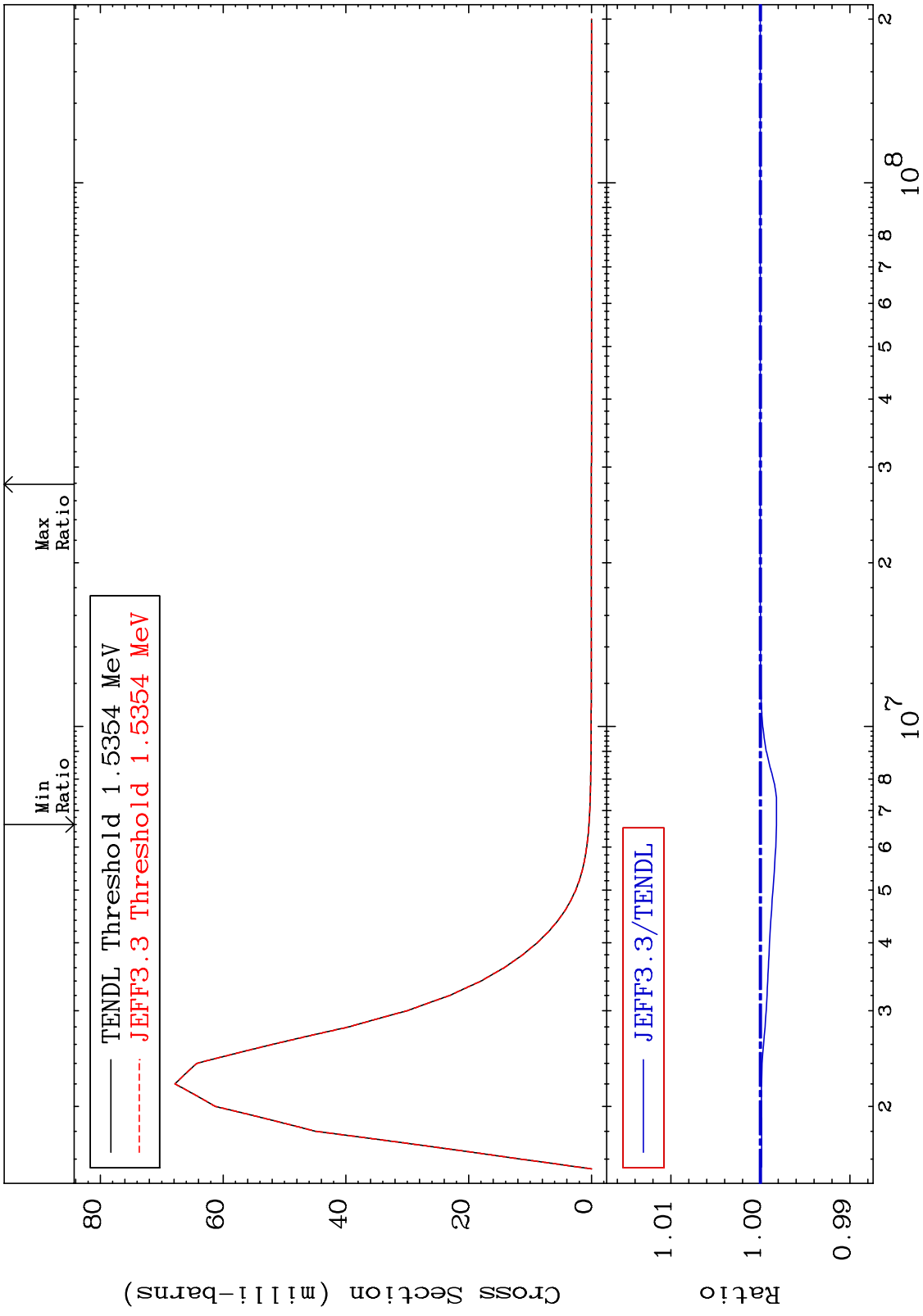
MAT 3640 MT= 65 (n,n') Level Cross Section 36-Kr-83
 -0.239 To 0.000 %



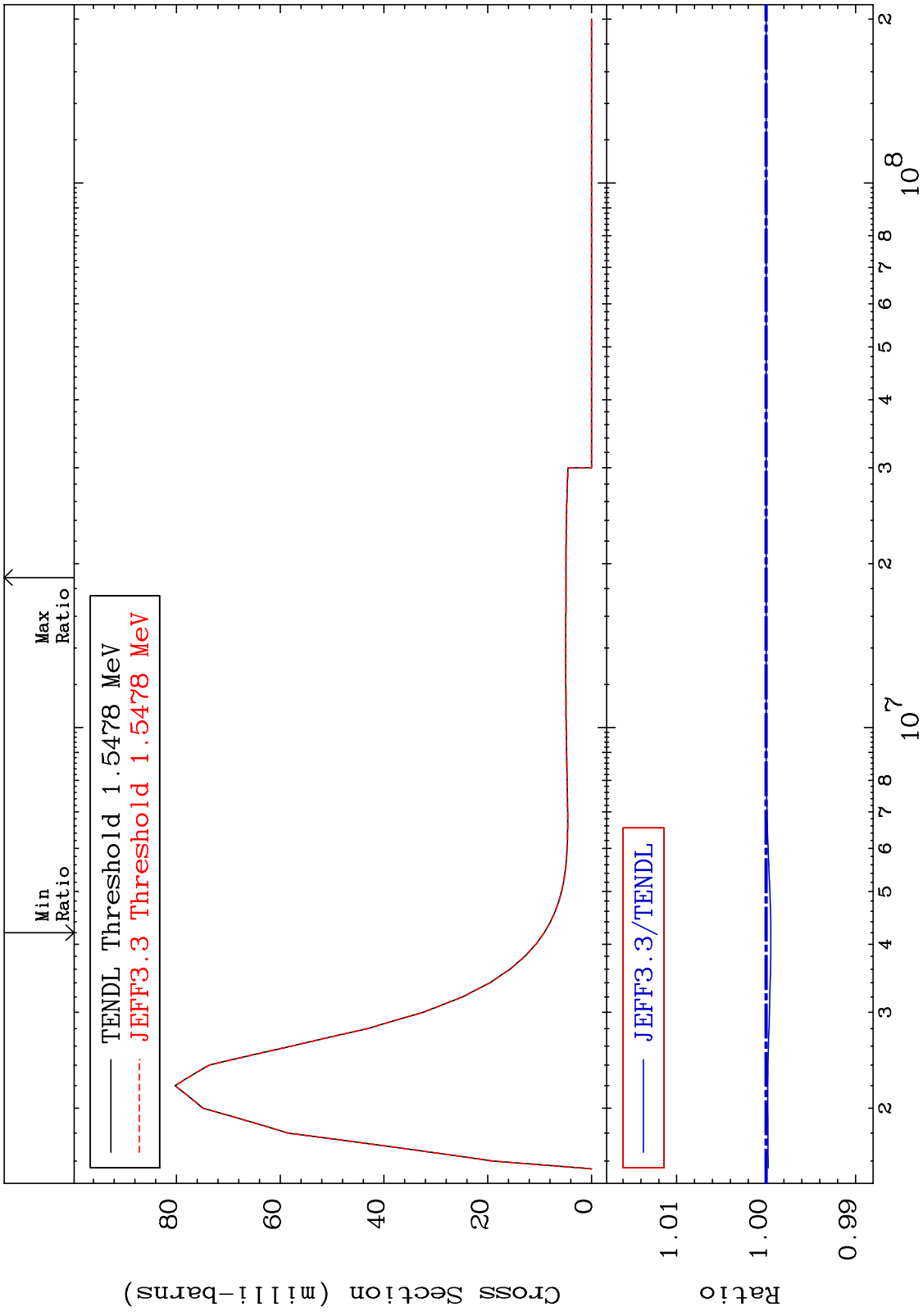
MAT 3640 MT= 66 (n,n') Level Cross Section -0.320 To 0.121 % 36-Kr-83



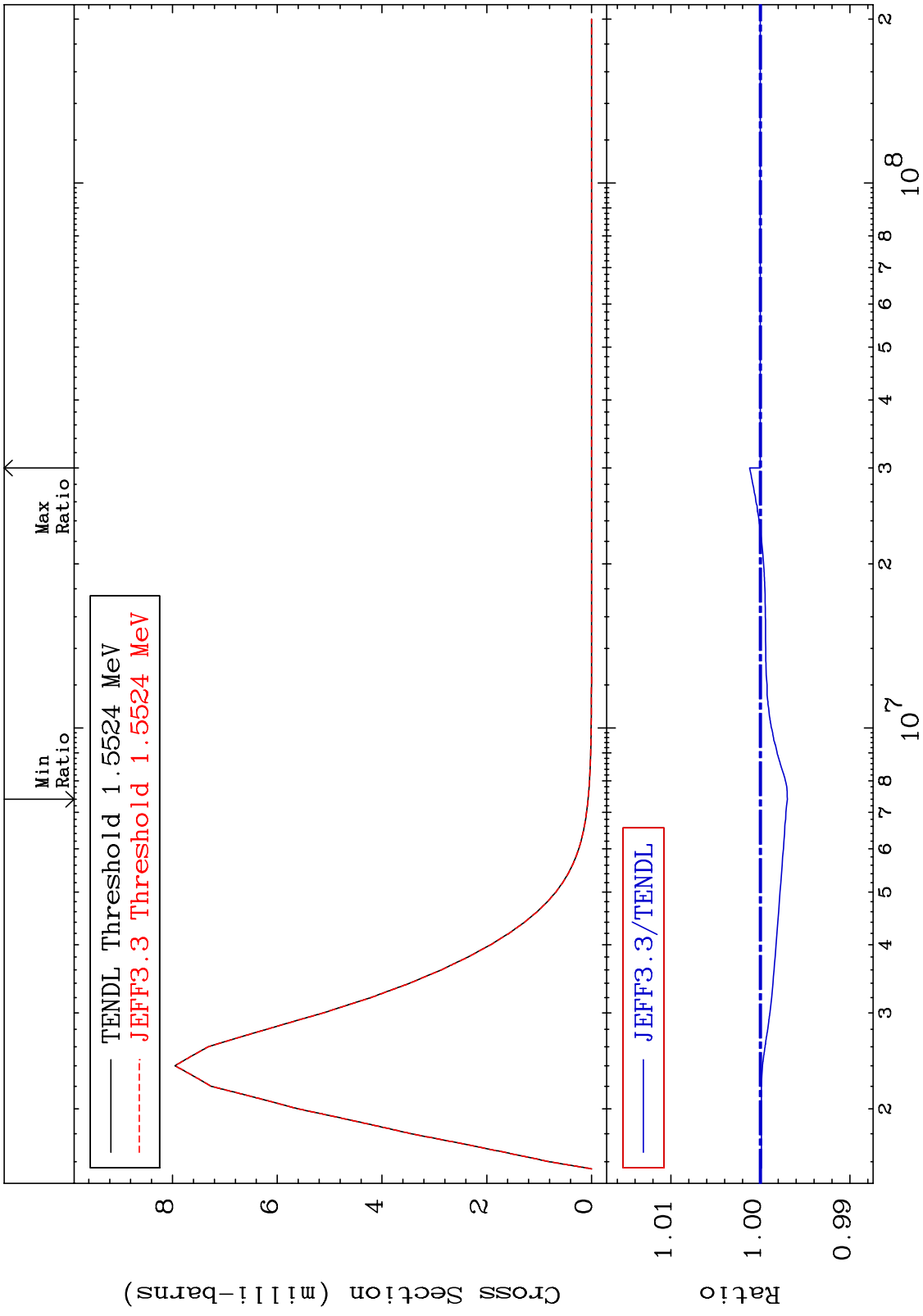
MAT 3640 MT= 67 (n,n') Level Cross Section -0.180 To 0.000 % 36-Kr-83



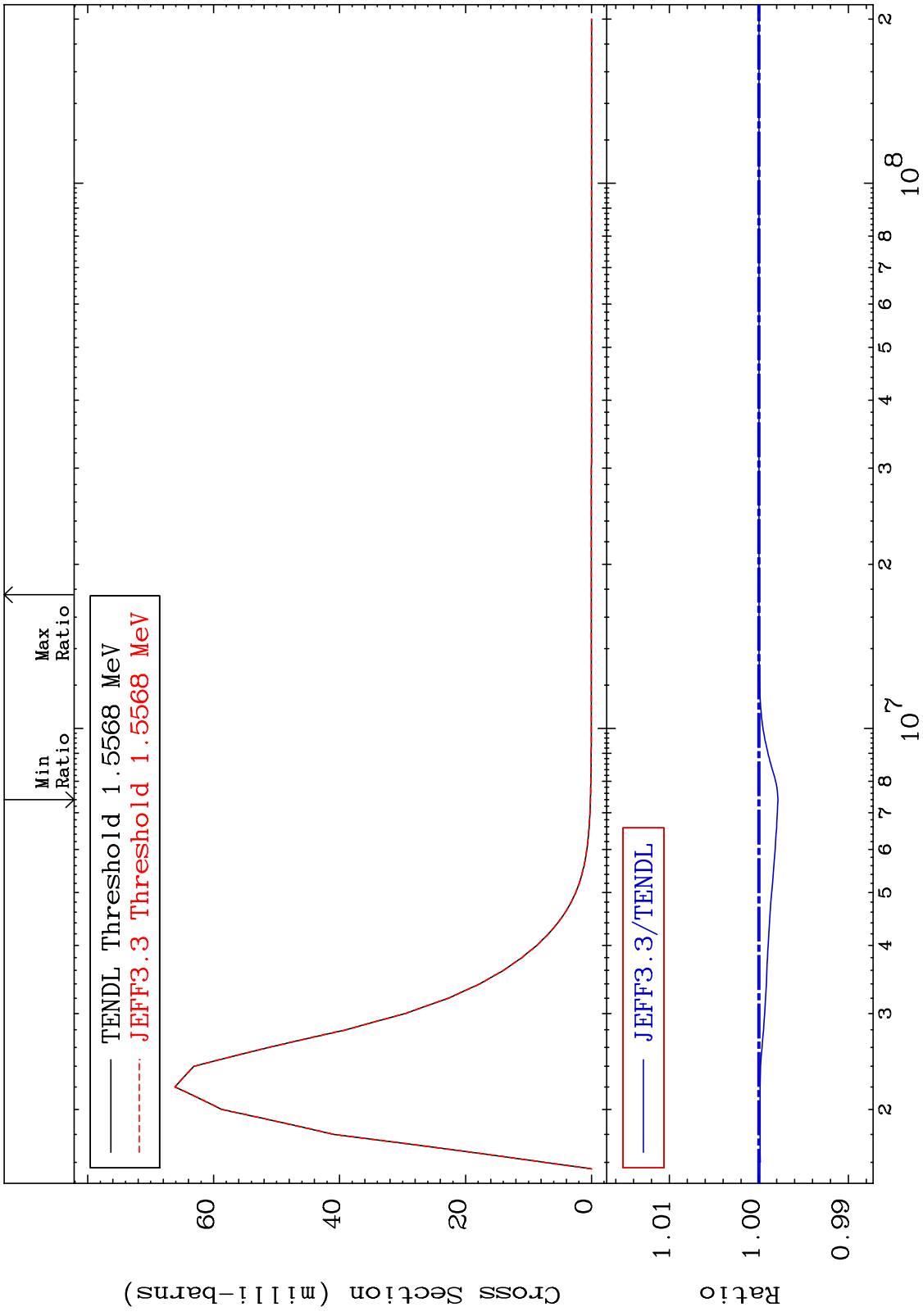
MAT 3640 MT= 68 (n,n') Level Cross Section -0.052 To 0.000 % 36-Kr-83



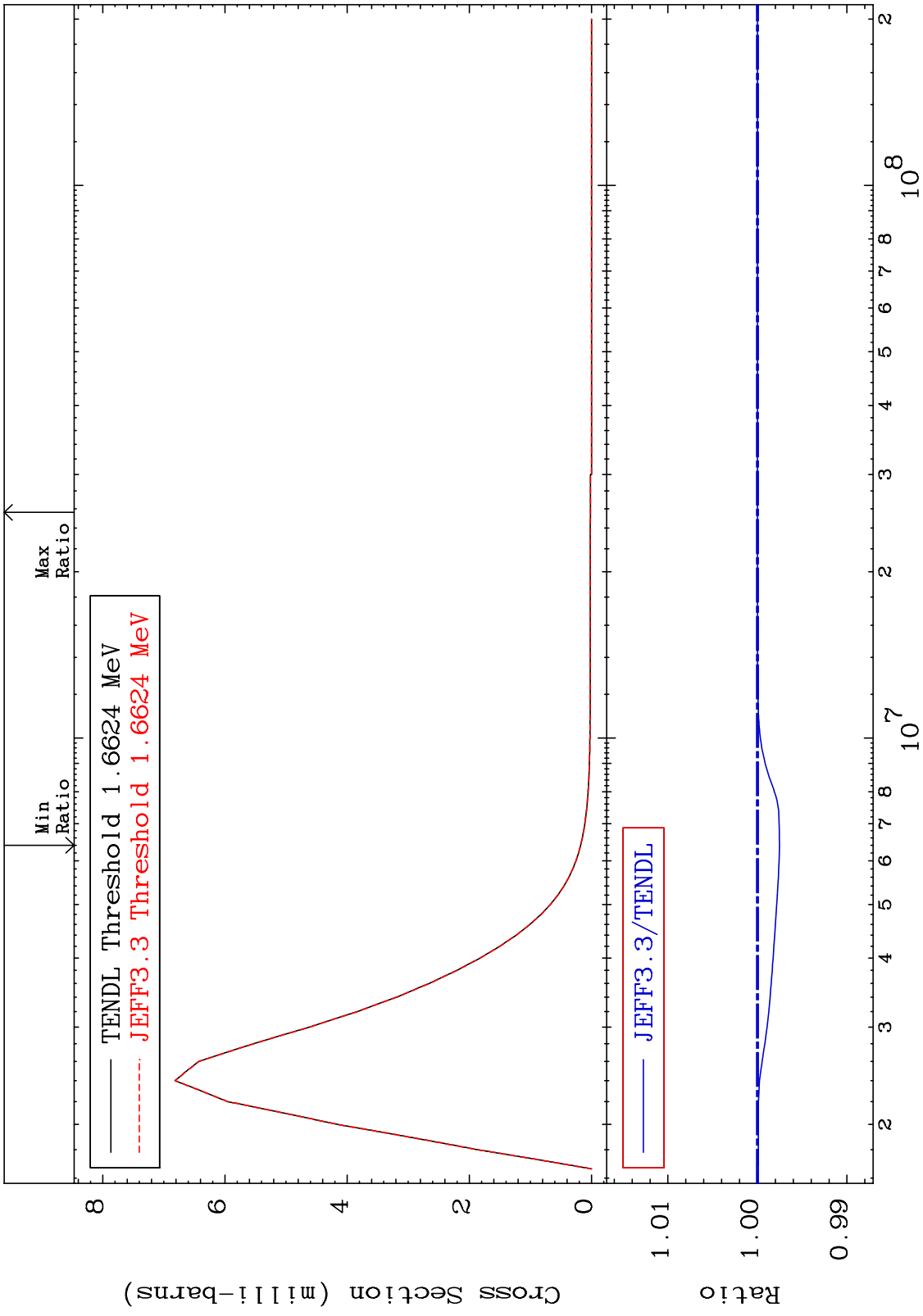
MAT 3640 MT= 69 (n,n') Level Cross Section -0.301 To 0.121 % 36-Kr-83



MAT 3640 MT= 70 (n,n') Level Cross Section 36-Kr-83
 -0.214 To 0.000 %

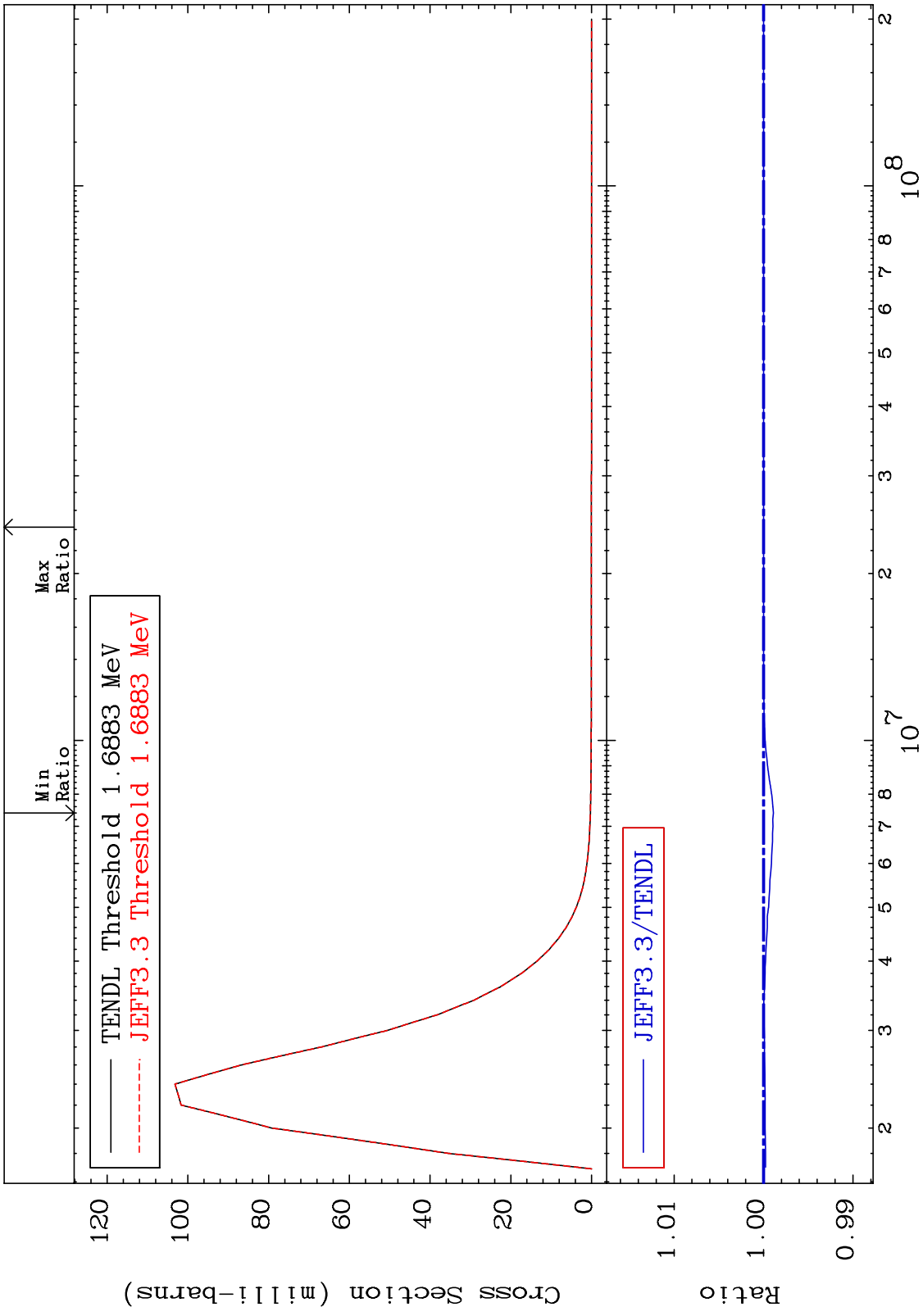


MAT 3640 MT= 71 (n,n') Level Cross Section -0.246 To 0.000 % 36-Kr-83

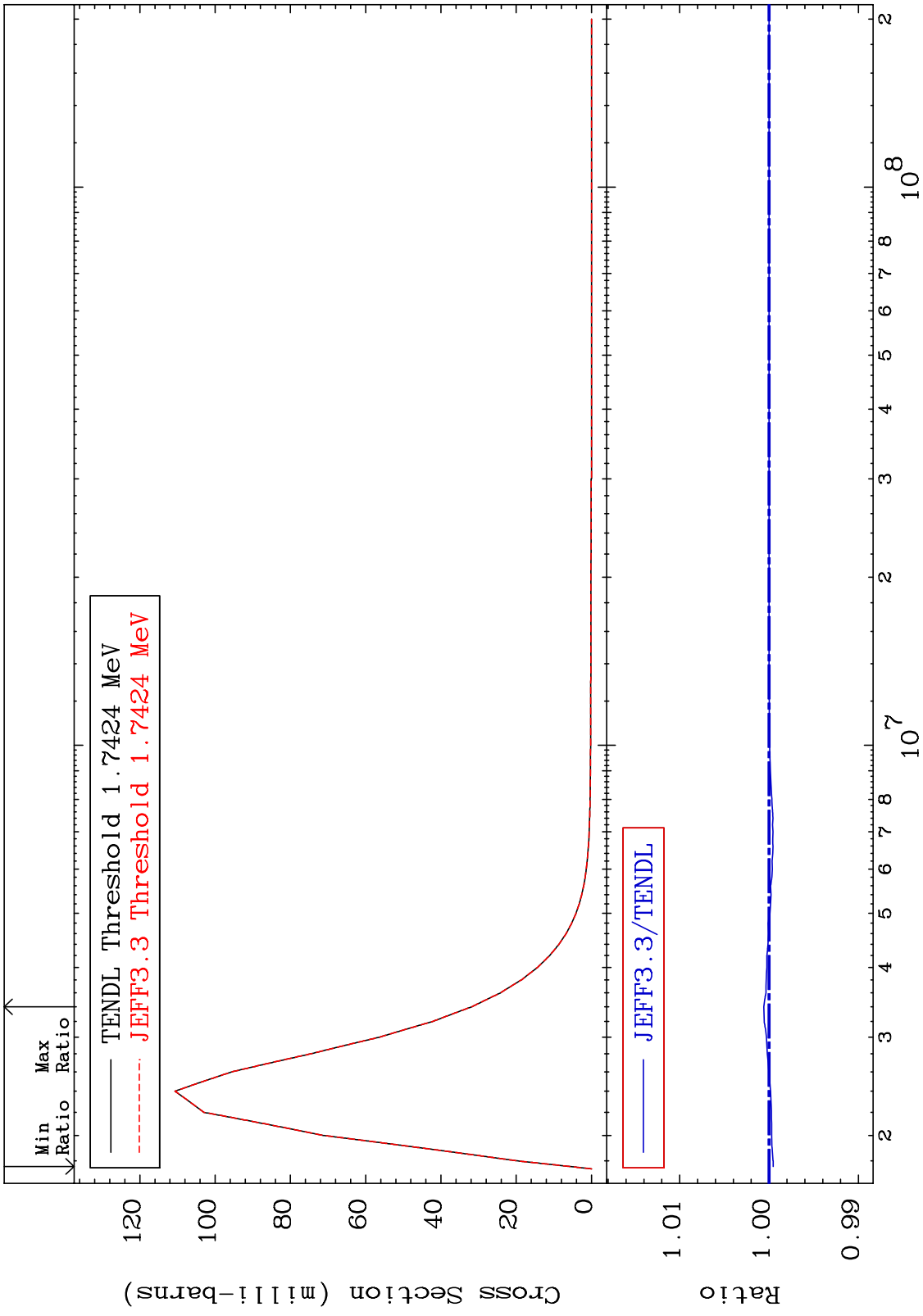


40 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 72 (n, n') Level Cross Section -0.110 To 0.000 % 36-Kr-83



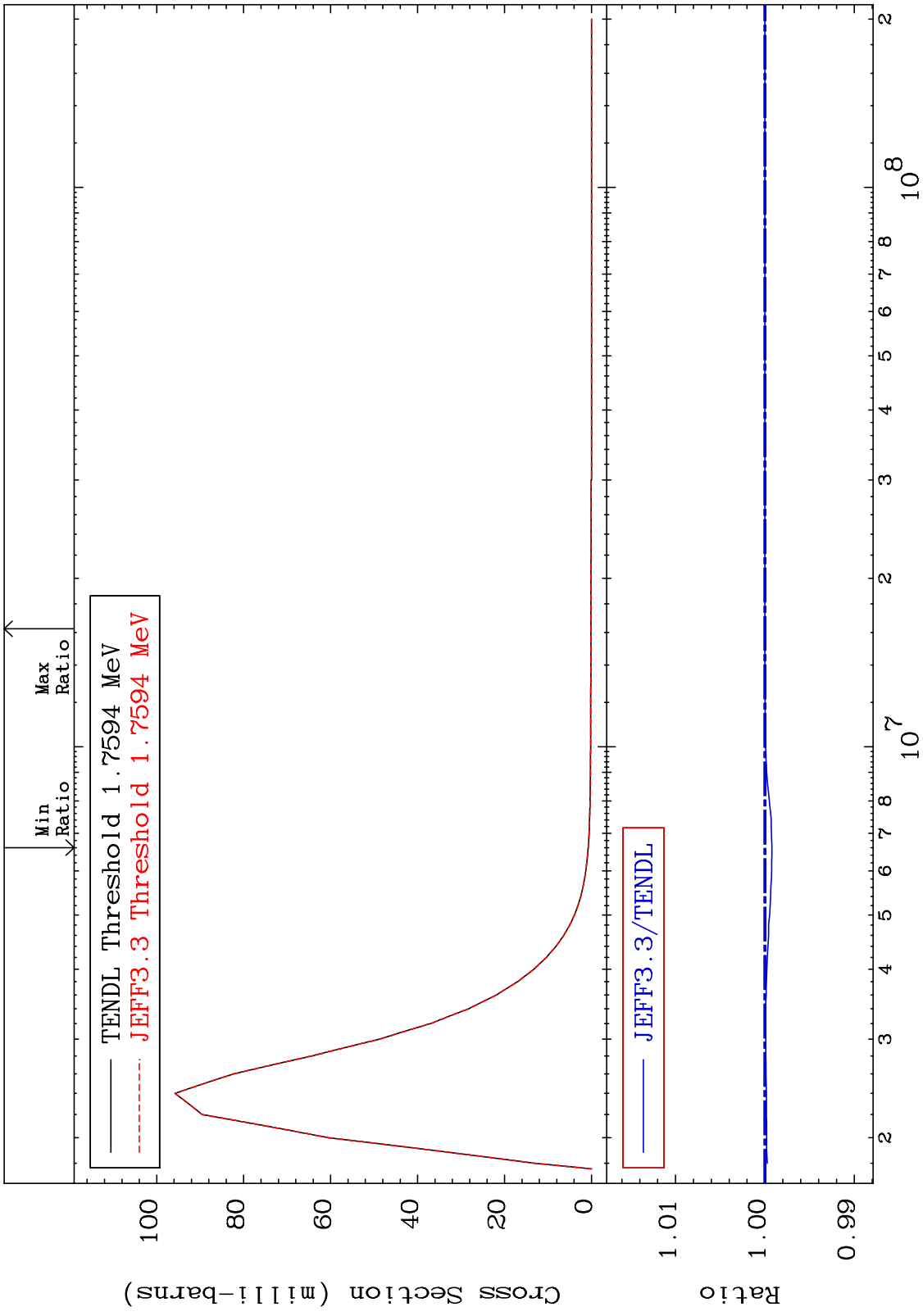
MAT 3640 MT= 73 (n,n') Level Cross Section 36-Kr-83
 -0.046 To 0.060 %



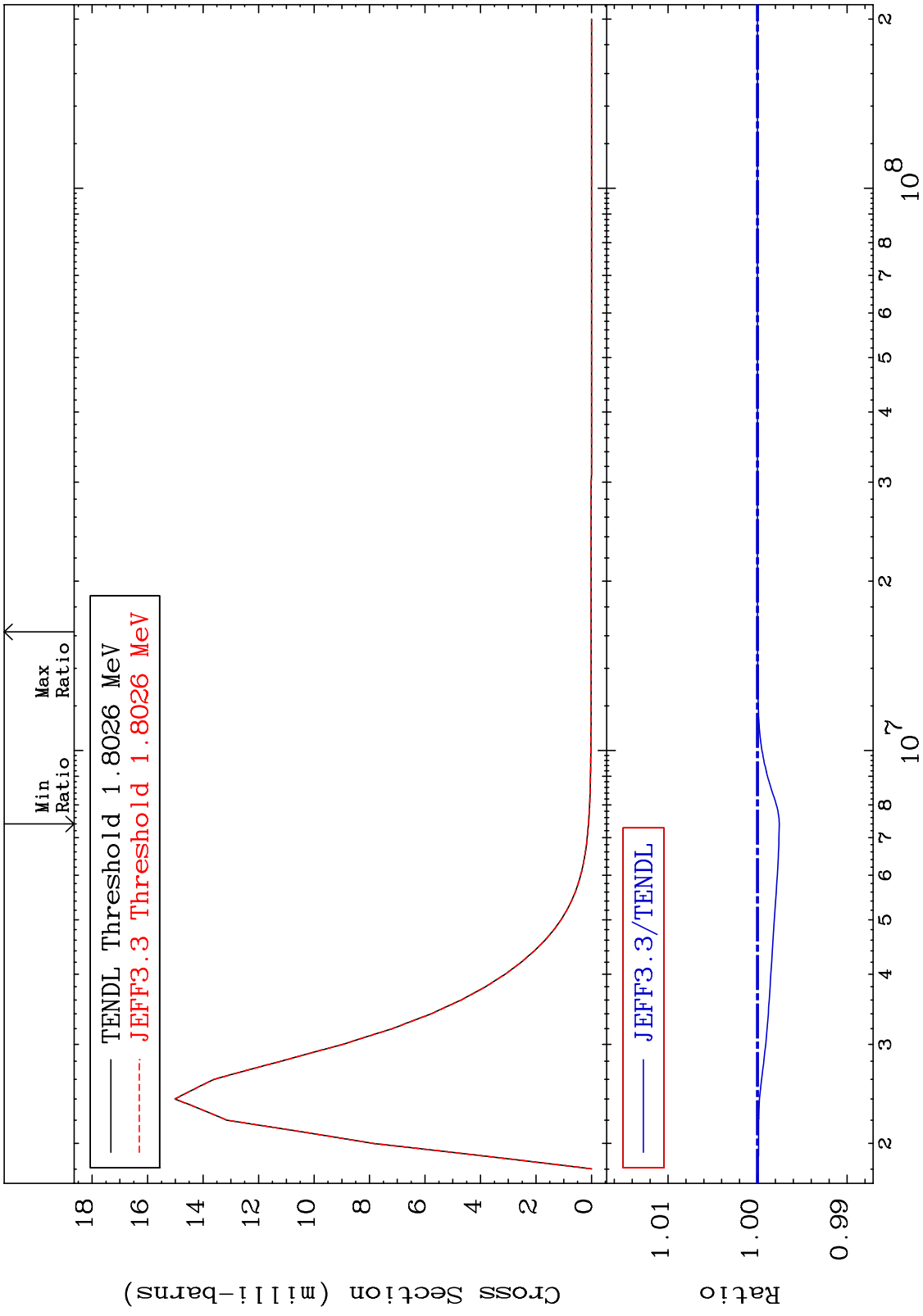
36-Kr-83

Incident Energy (eV)

MAT 3640 MT= 74 (n,n') Level Cross Section 36-Kr-83
 -0.078 To 0.000 %



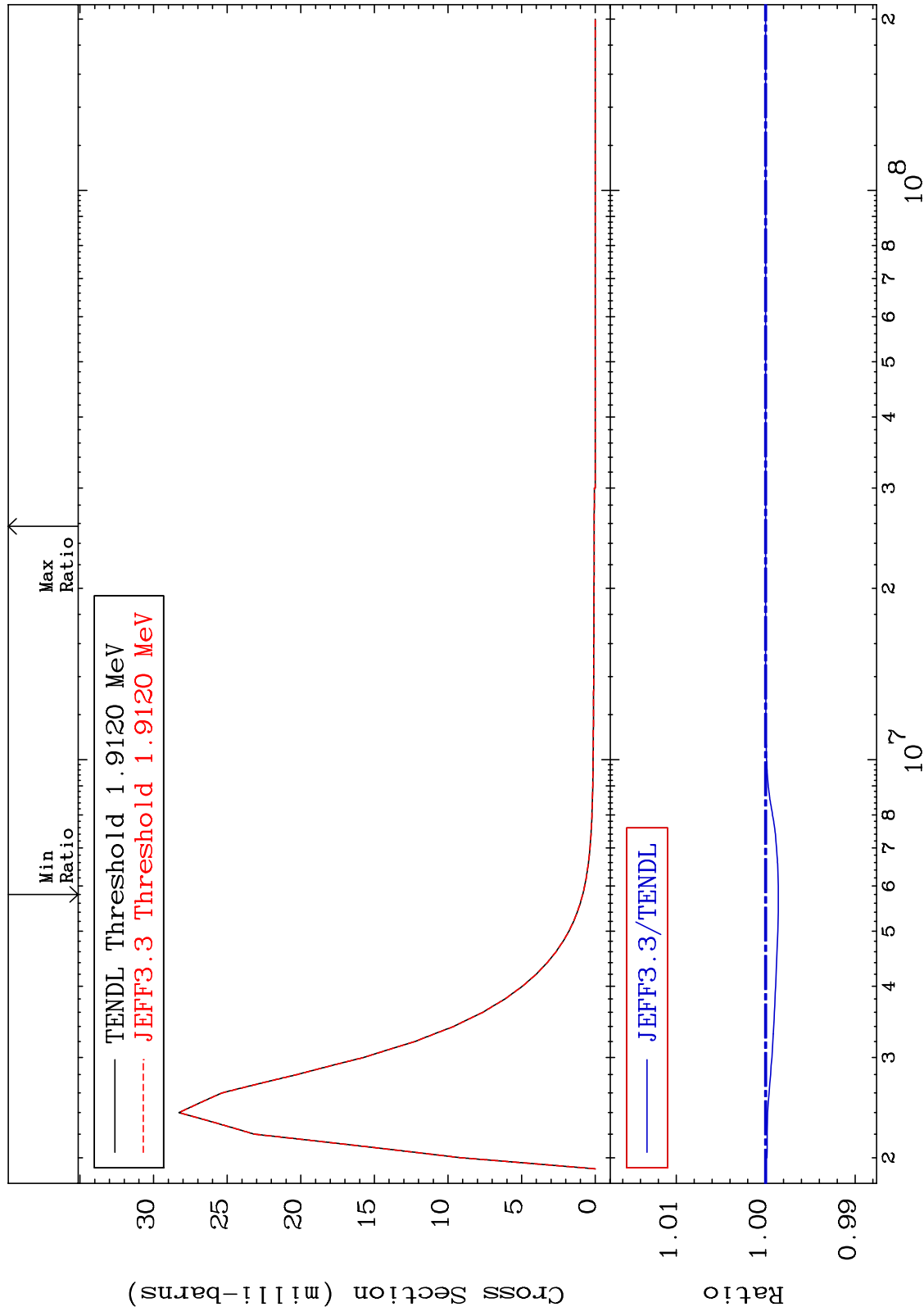
MAT 3640 MT= 75 (n,n') Level Cross Section -0.244 To 0.000 % 36-Kr-83



MAT 3640

MT= 76 (n,n') Level
Cross Section

36-Kr-83
-0.141 To 0.000 %

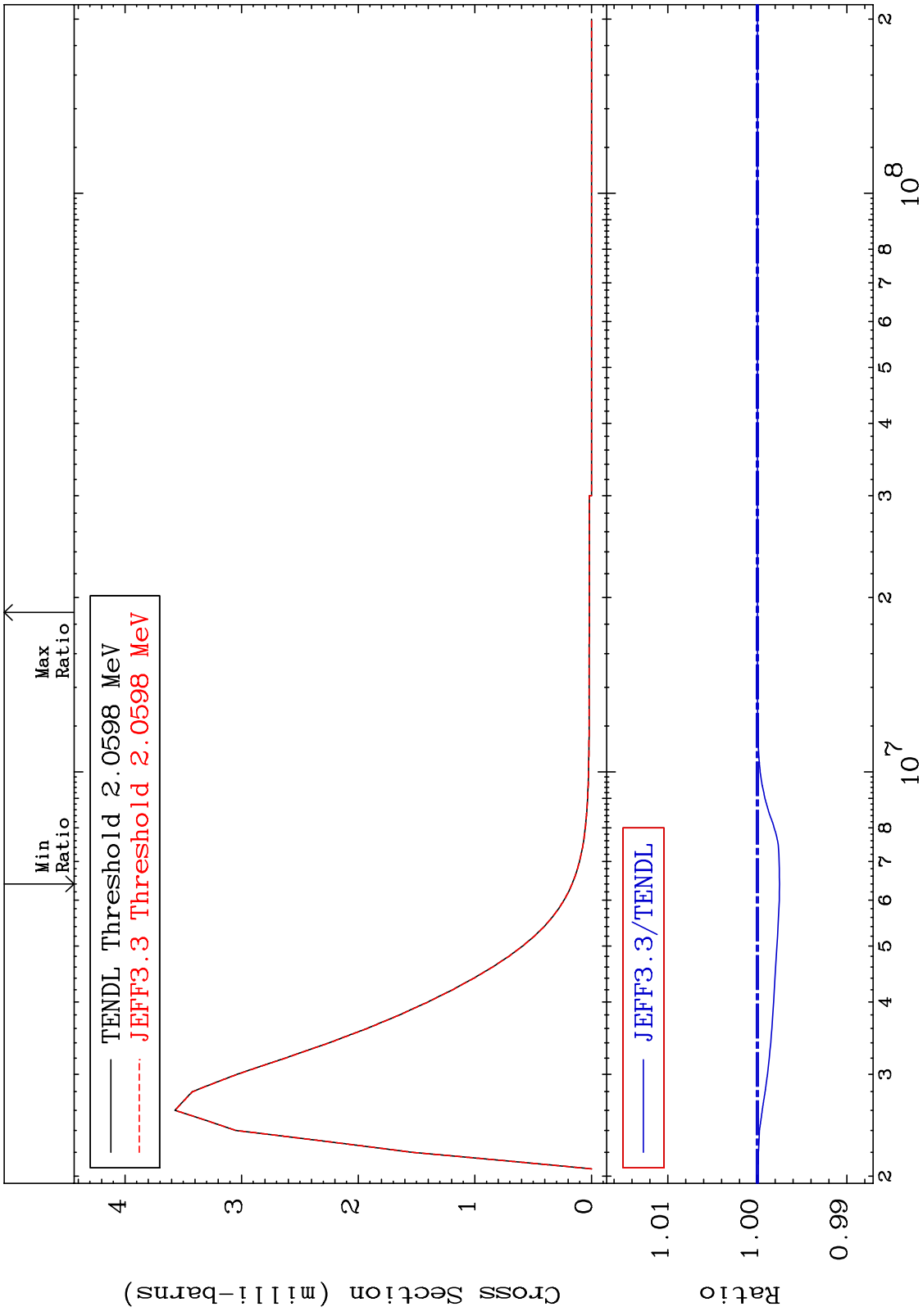


45

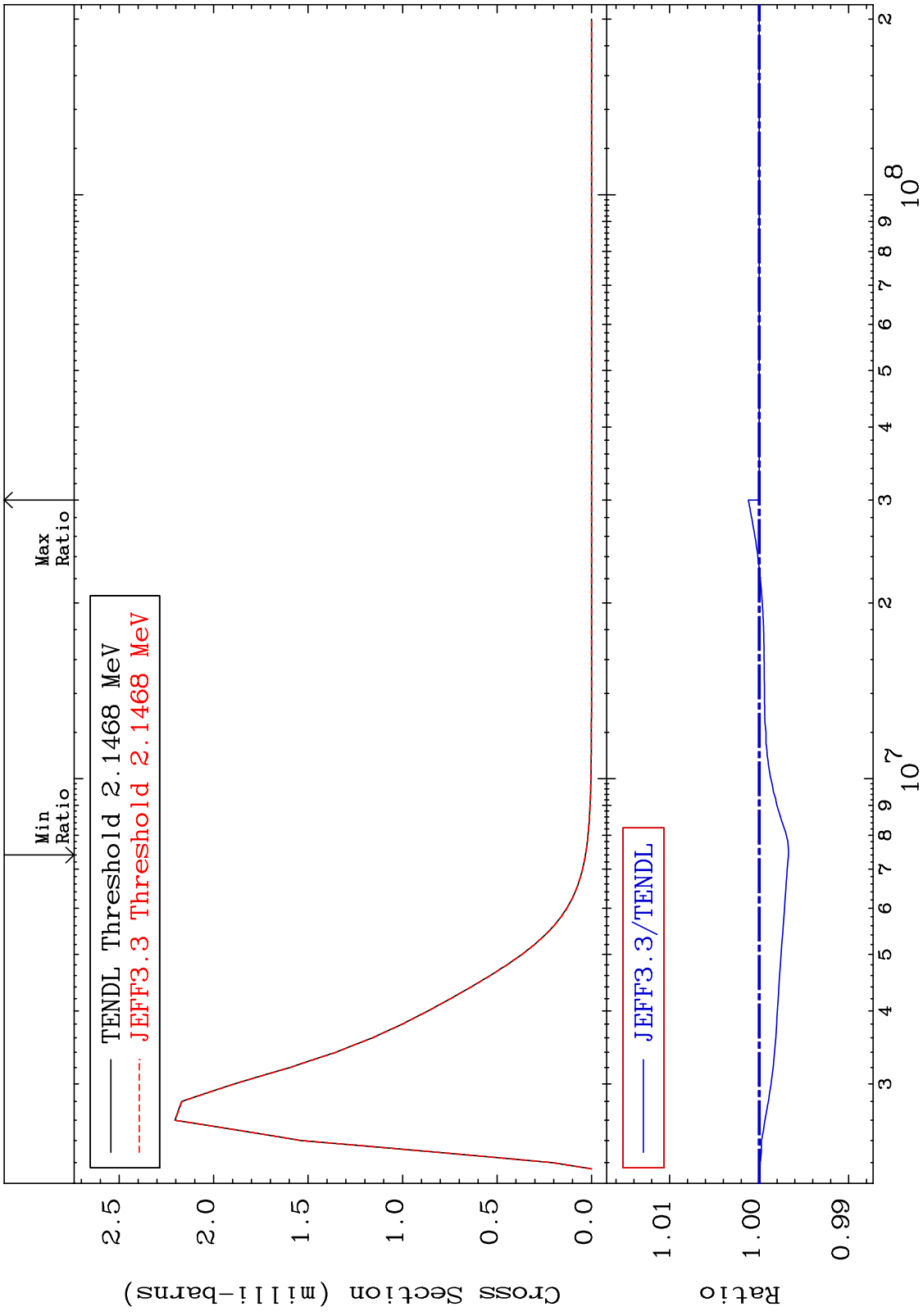
Incident Energy (eV)

36-Kr-83

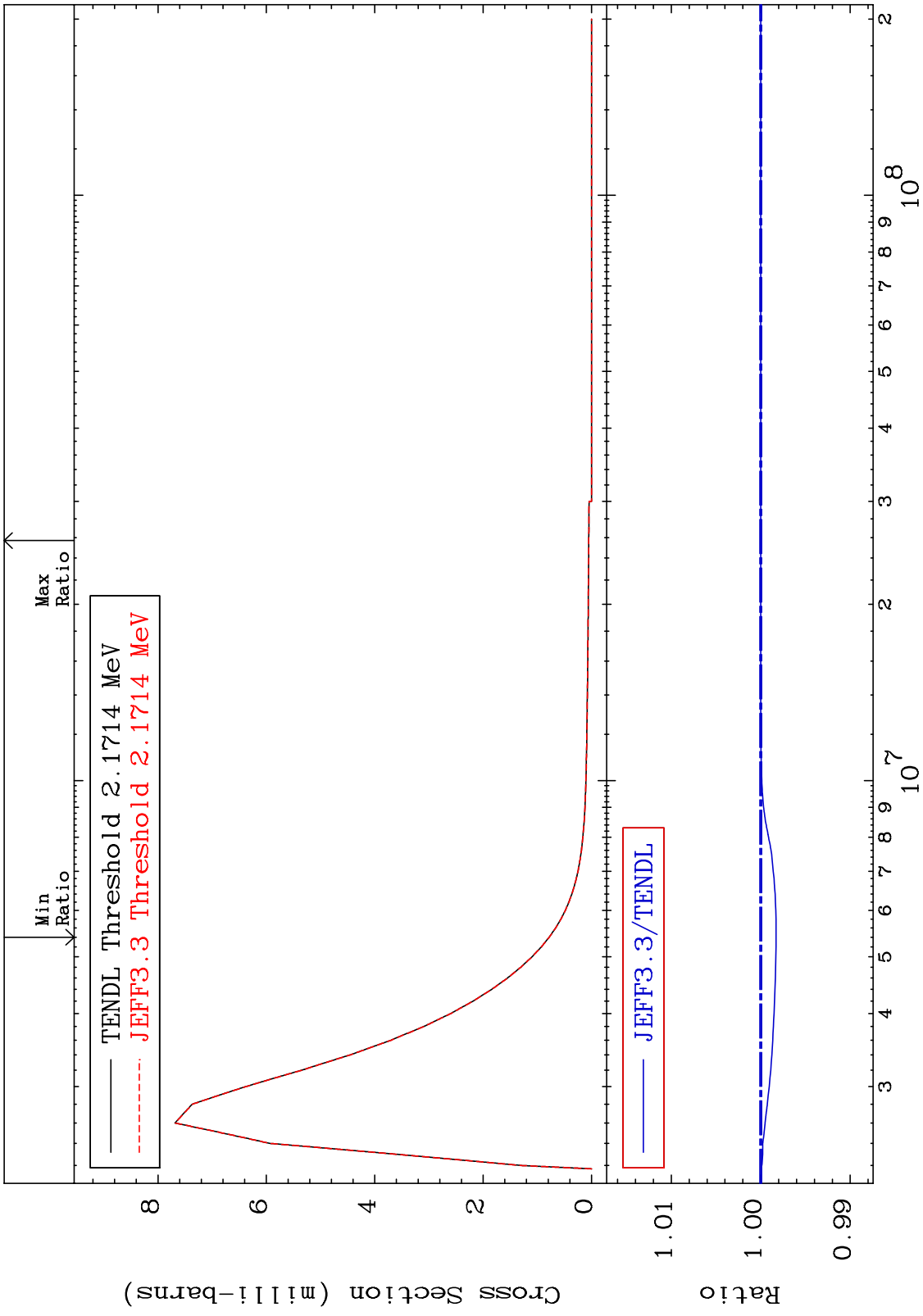
MAT 3640 MT= 77 (n,n') Level Cross Section -0.248 To 0.000 % 36-Kr-83



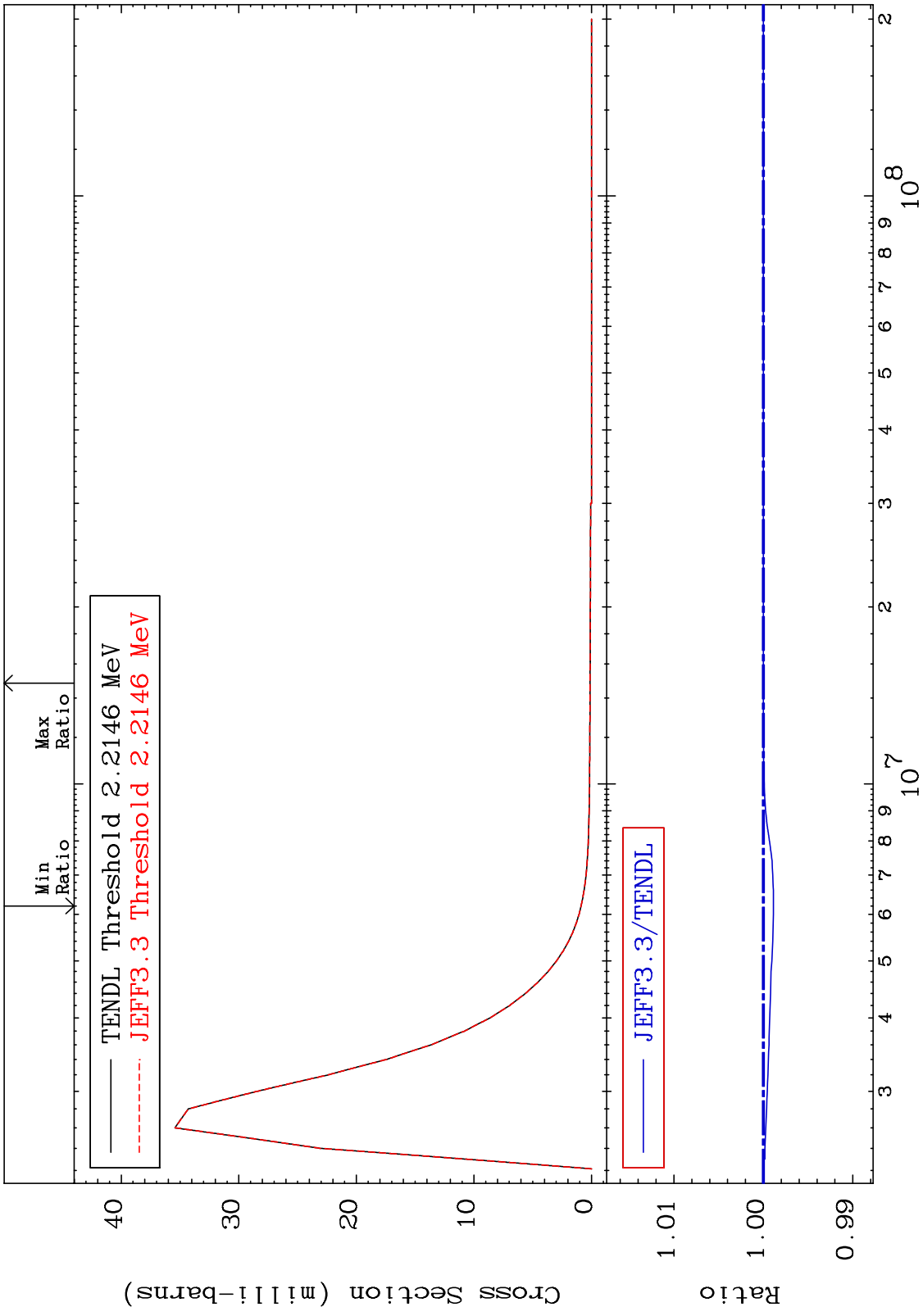
MAT 3640 MT= 78 (n,n') Level Cross Section -0.329 To 0.121 % 36-Kr-83



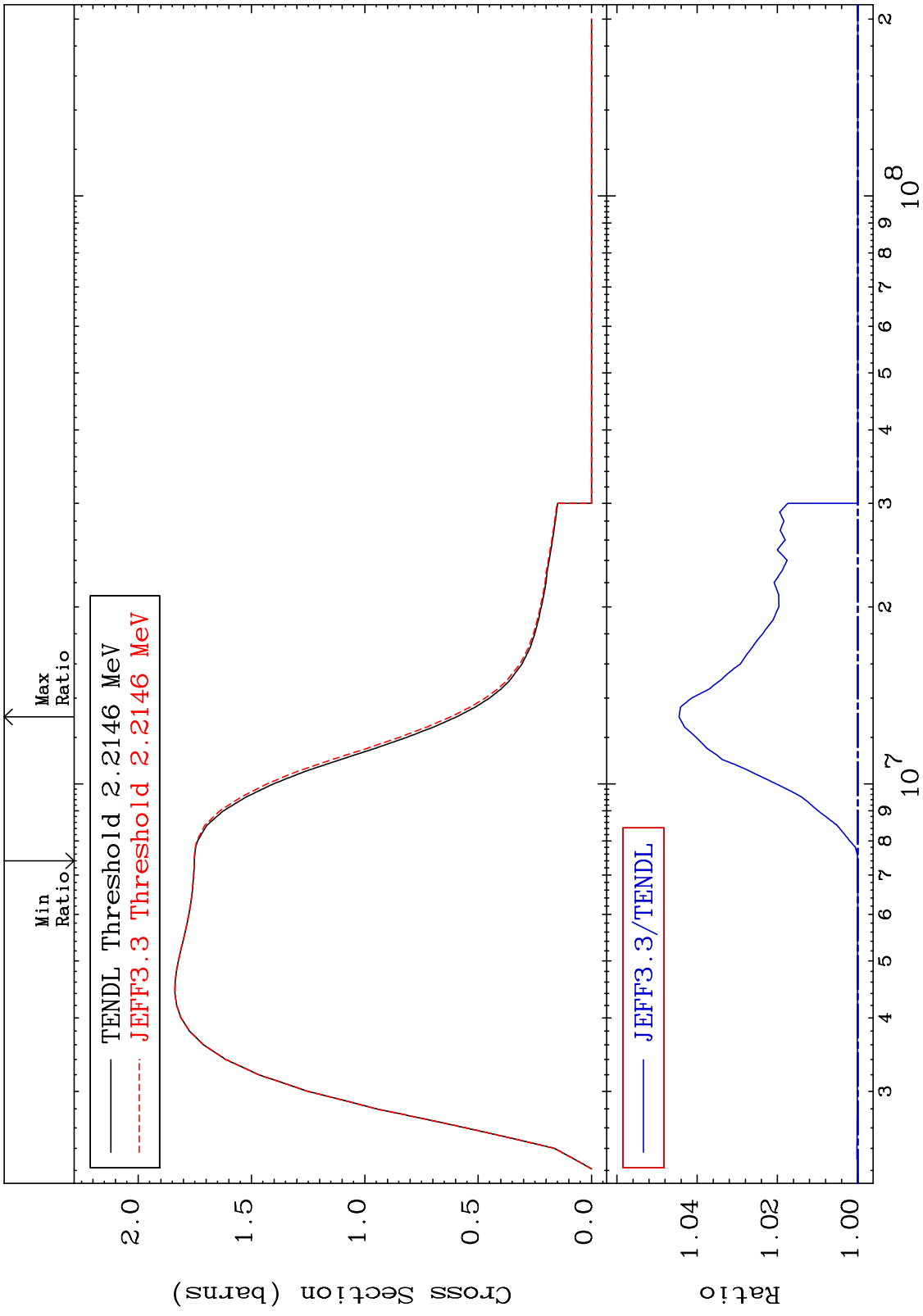
MAT 3640 MT= 79 (n, n') Level Cross Section -0.172 To 0.000 % 36-Kr-83



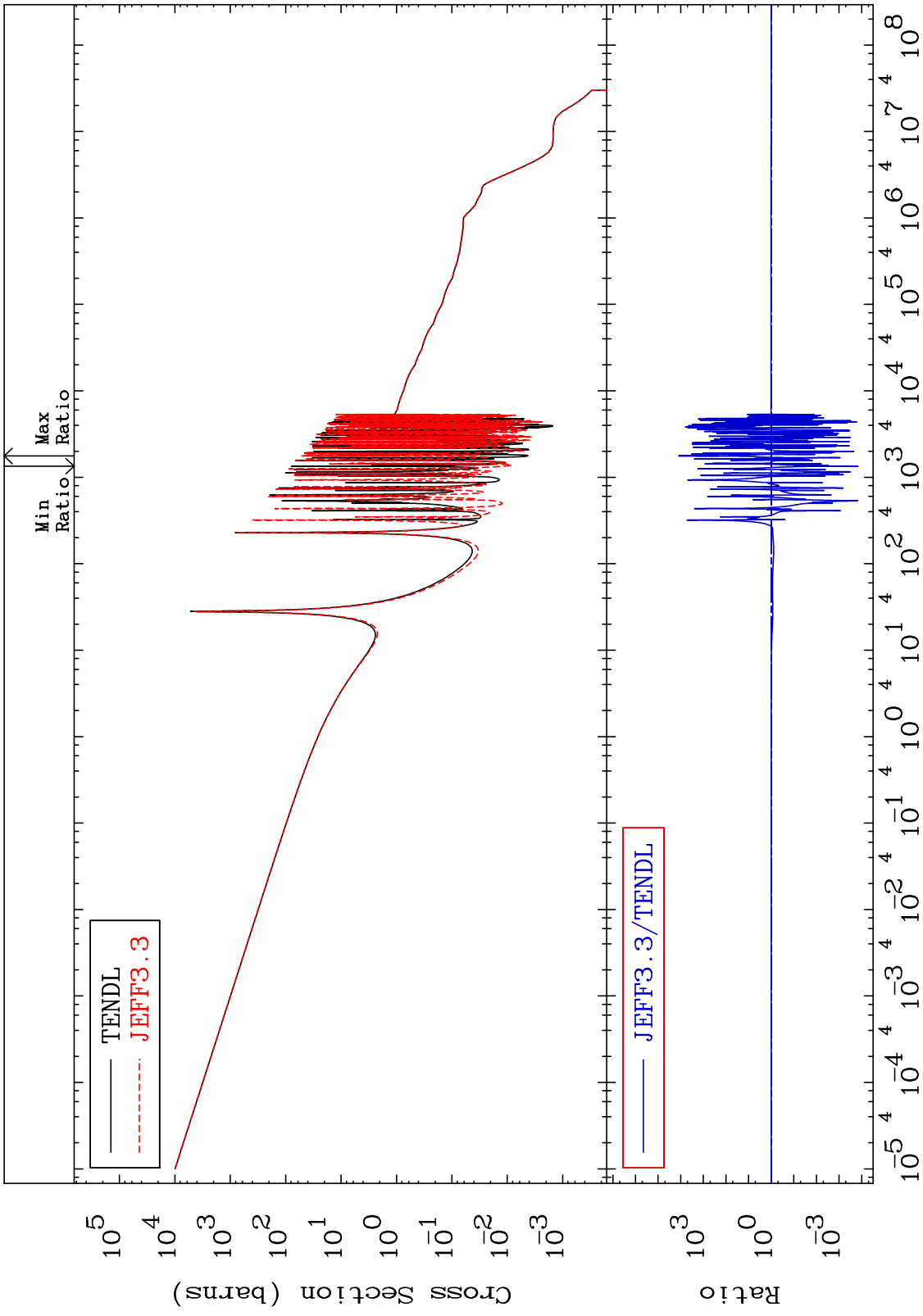
MAT 3640 MT= 80 (n,n') Level Cross Section -0.113 To 0.000 % 36-Kr-83



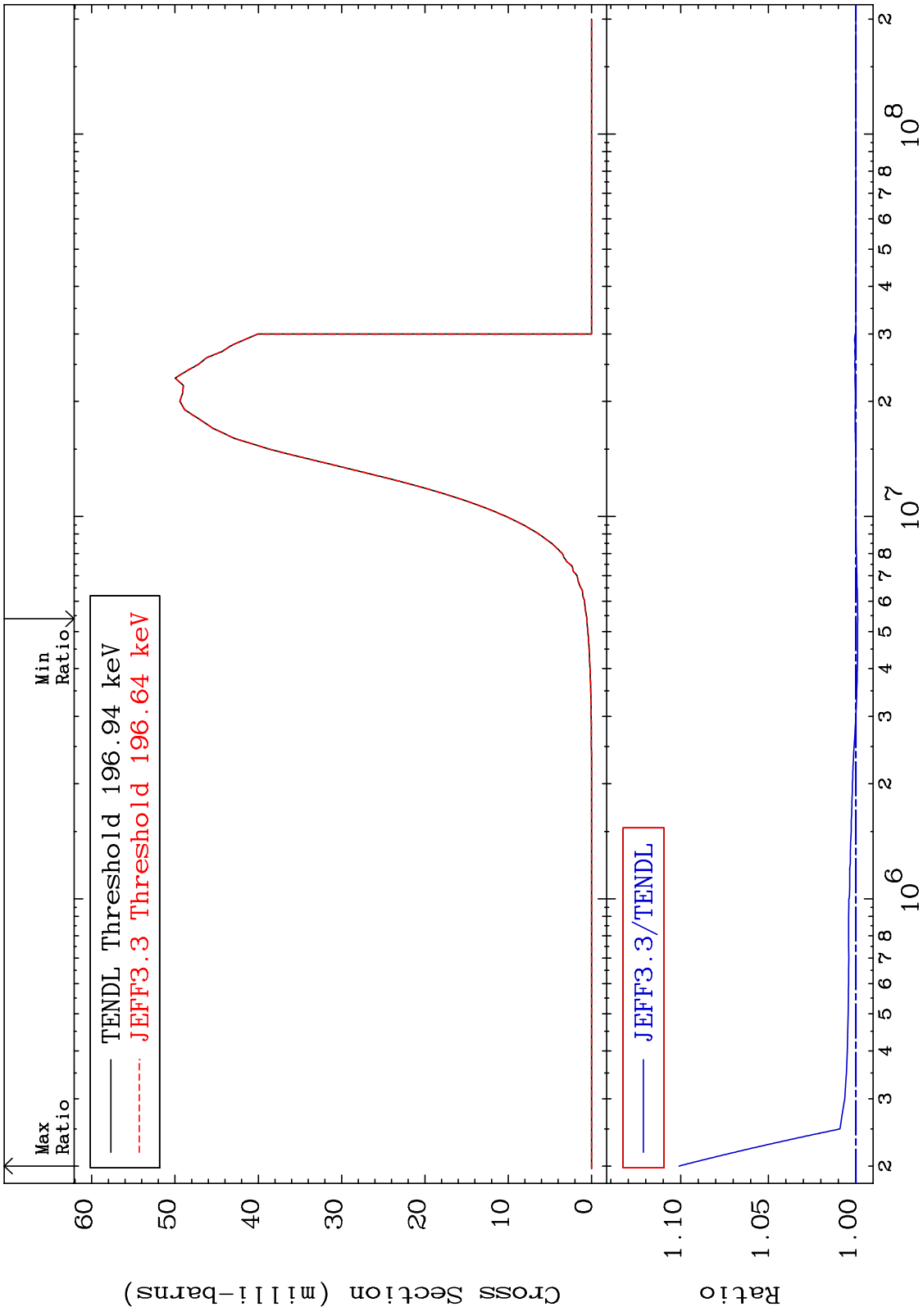
MAT 3640 36-Kr-83
(n, n') Continuum
Cross Section
-0.003 To 4.452 %

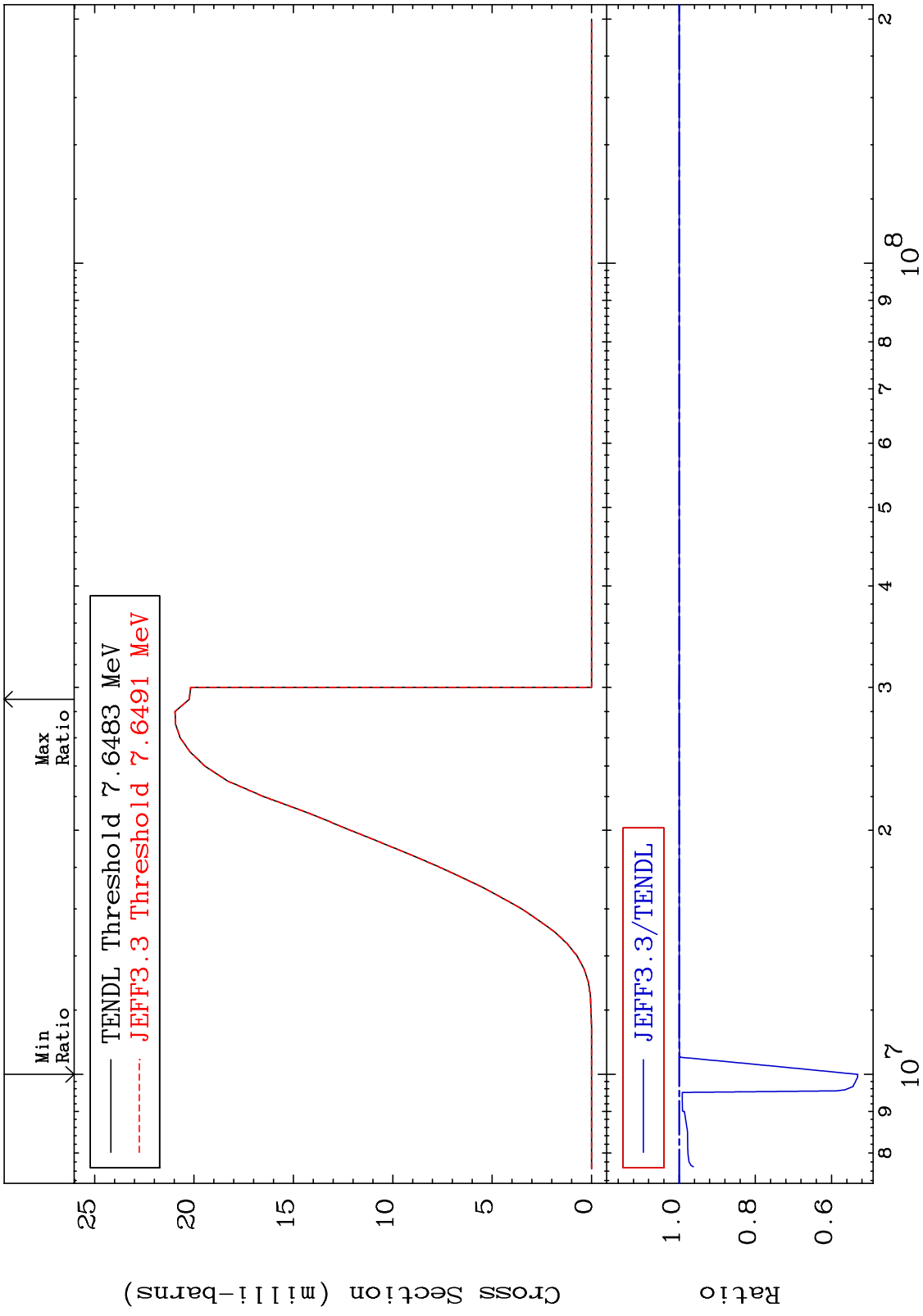


MAT 3640 (n, γ) Cross Section 36-Kr-83 -99.99 To 9999. %

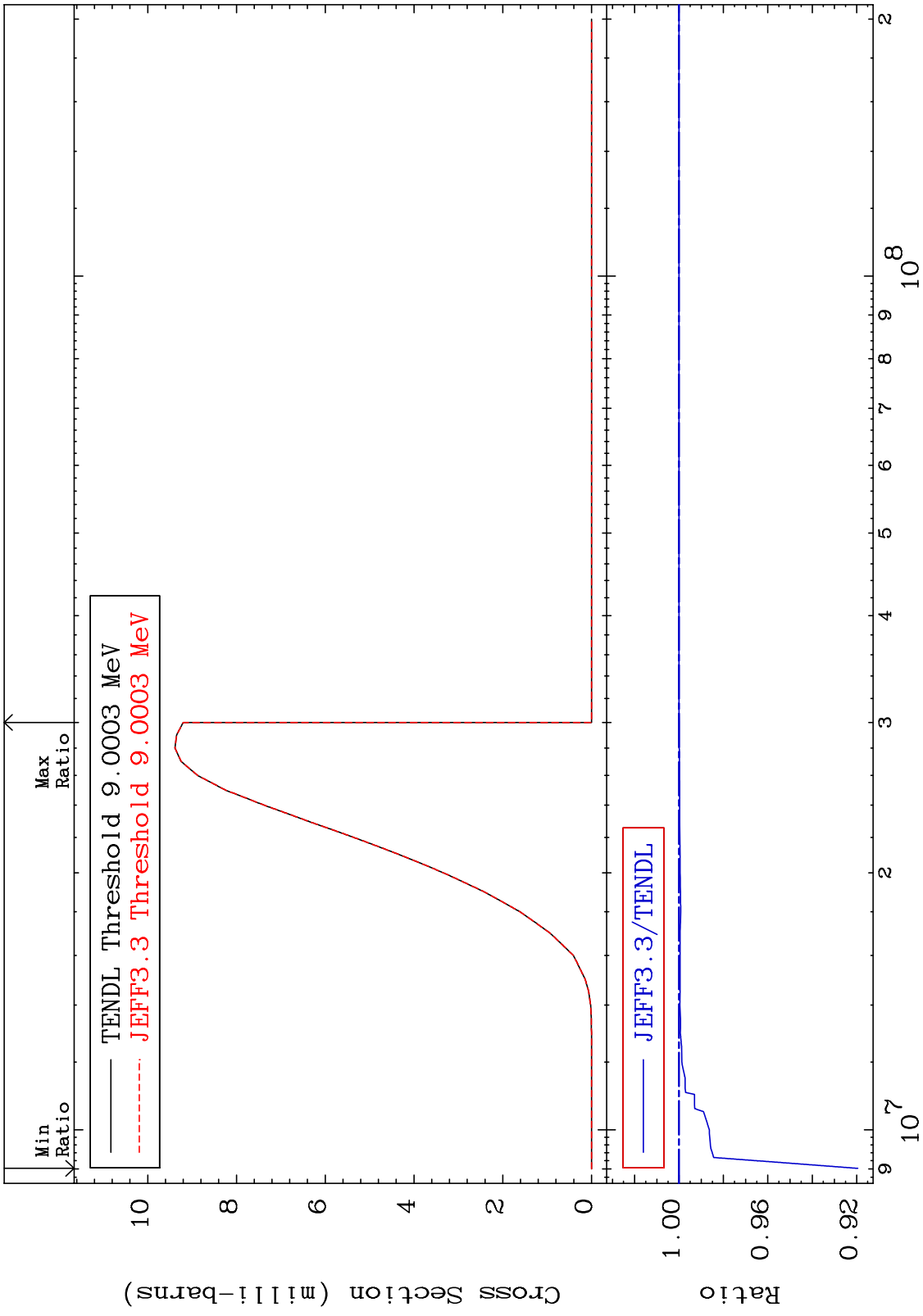


MAT 3640 (n,p) Cross Section 36-Kr-83
 -0.114 To 10.10 %

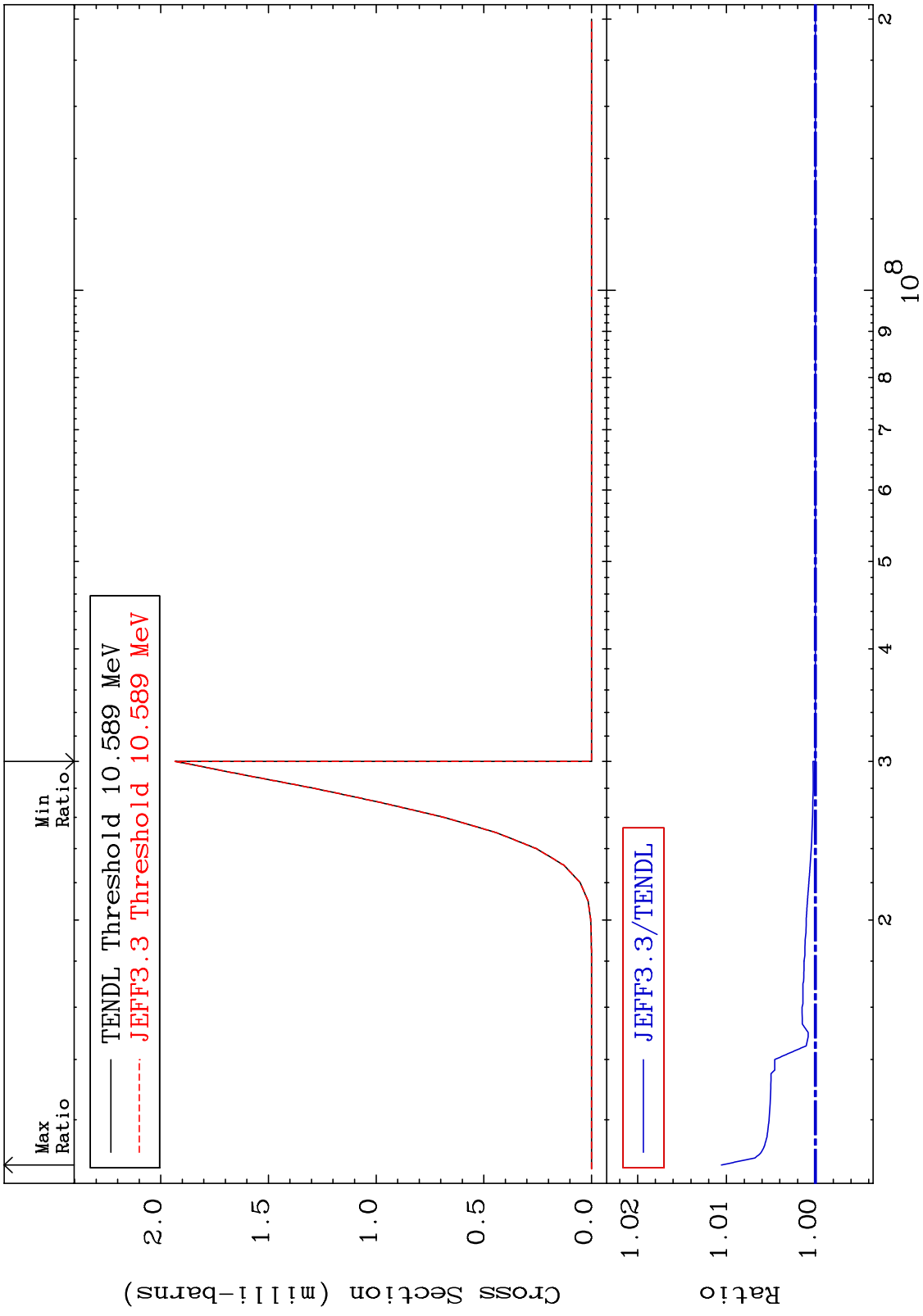




MAT 3640 (n,t) 36-Kr-83
Cross Section -8.056 To 0.000 %



54 36-Kr-83



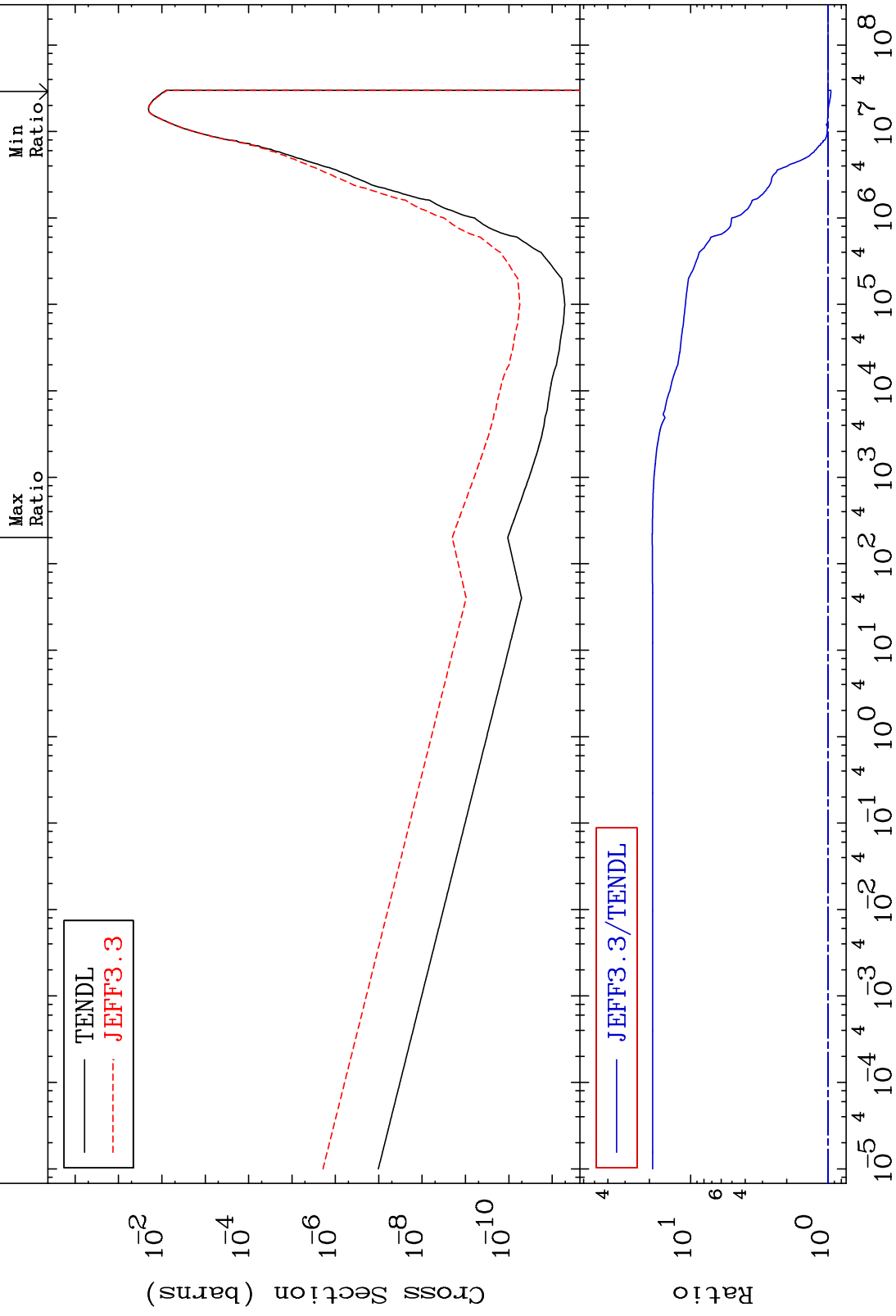
MAT 3640

(n, α)

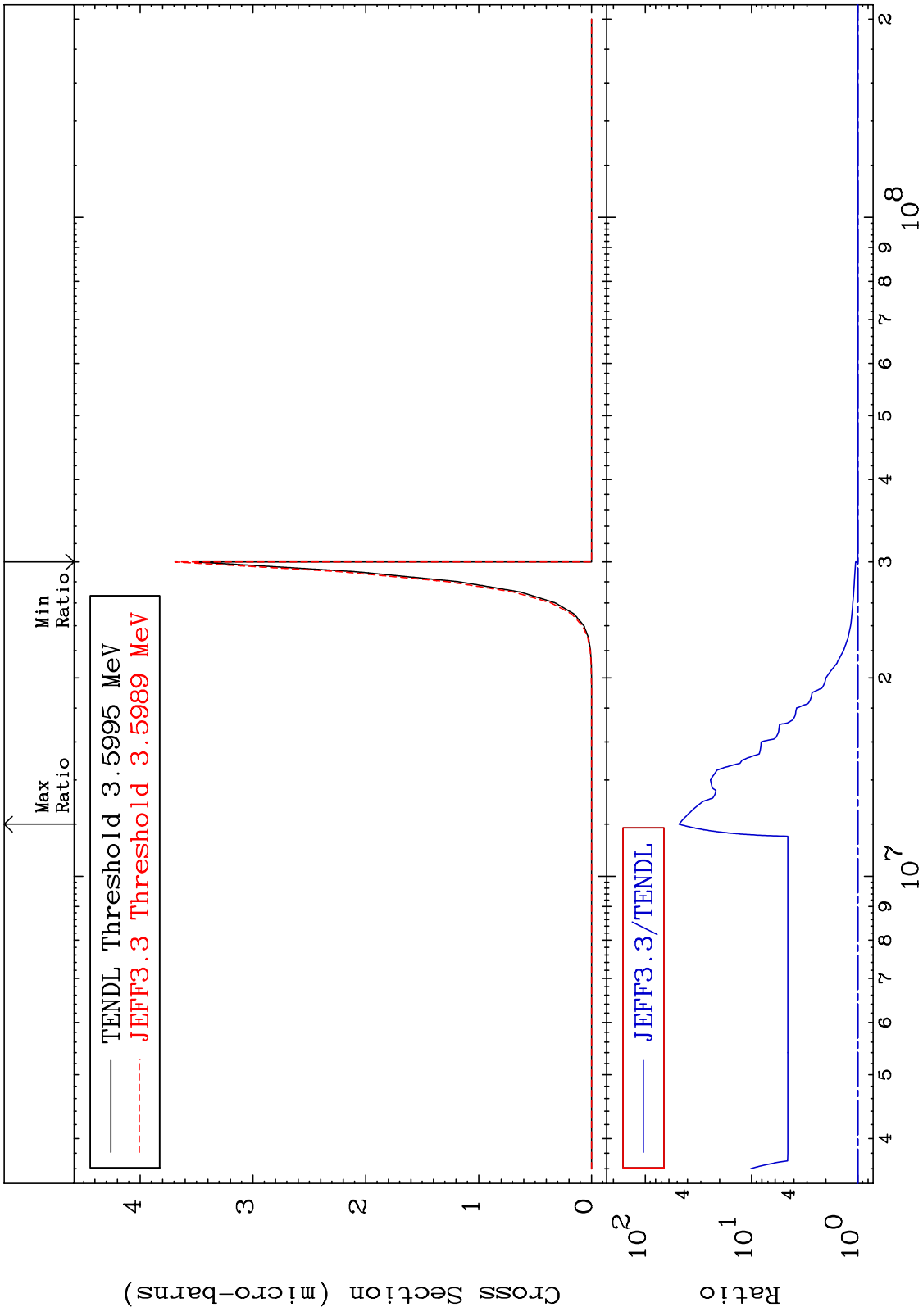
36-Kr-83

-4.685 To 1802. %

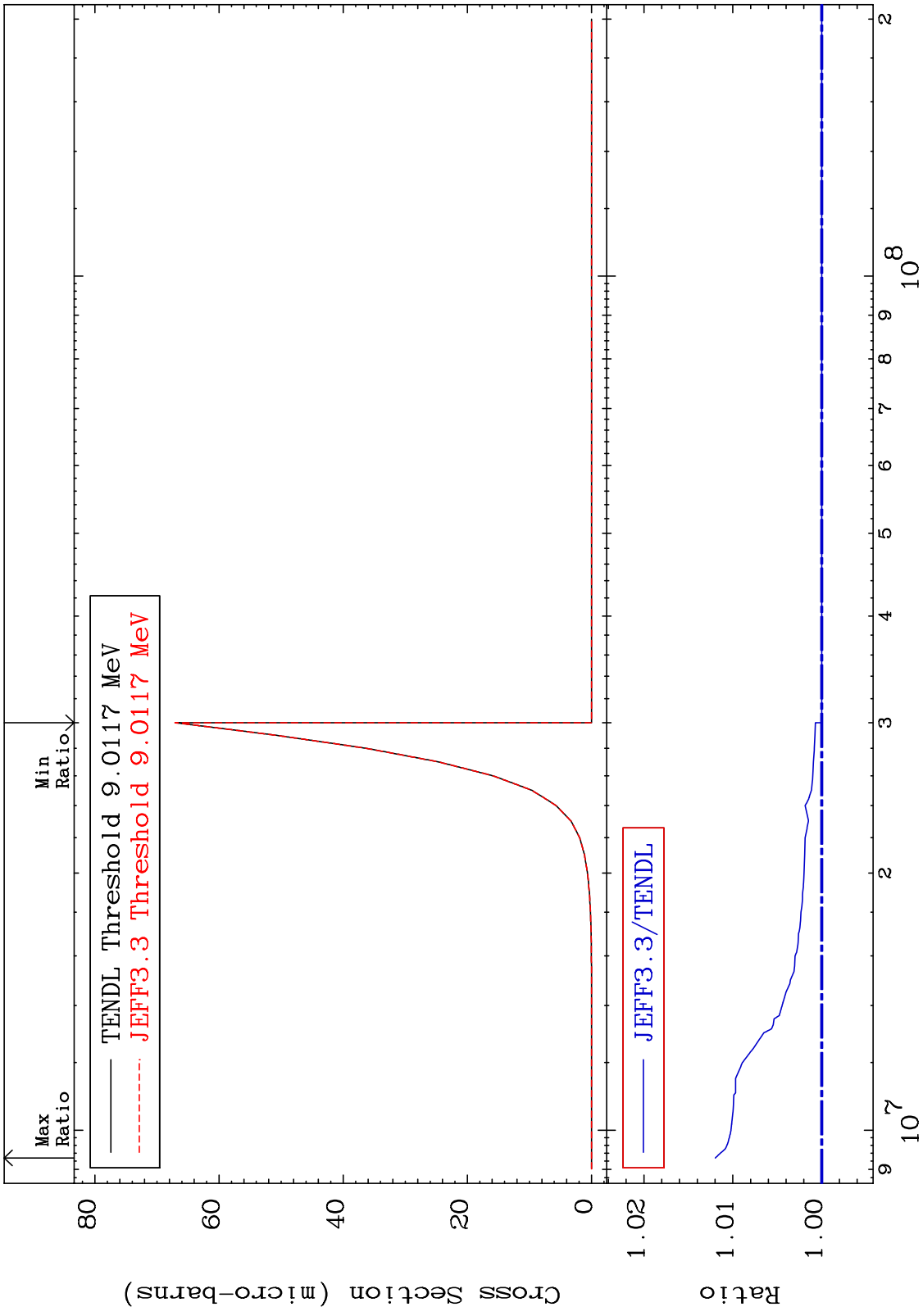
Cross Section



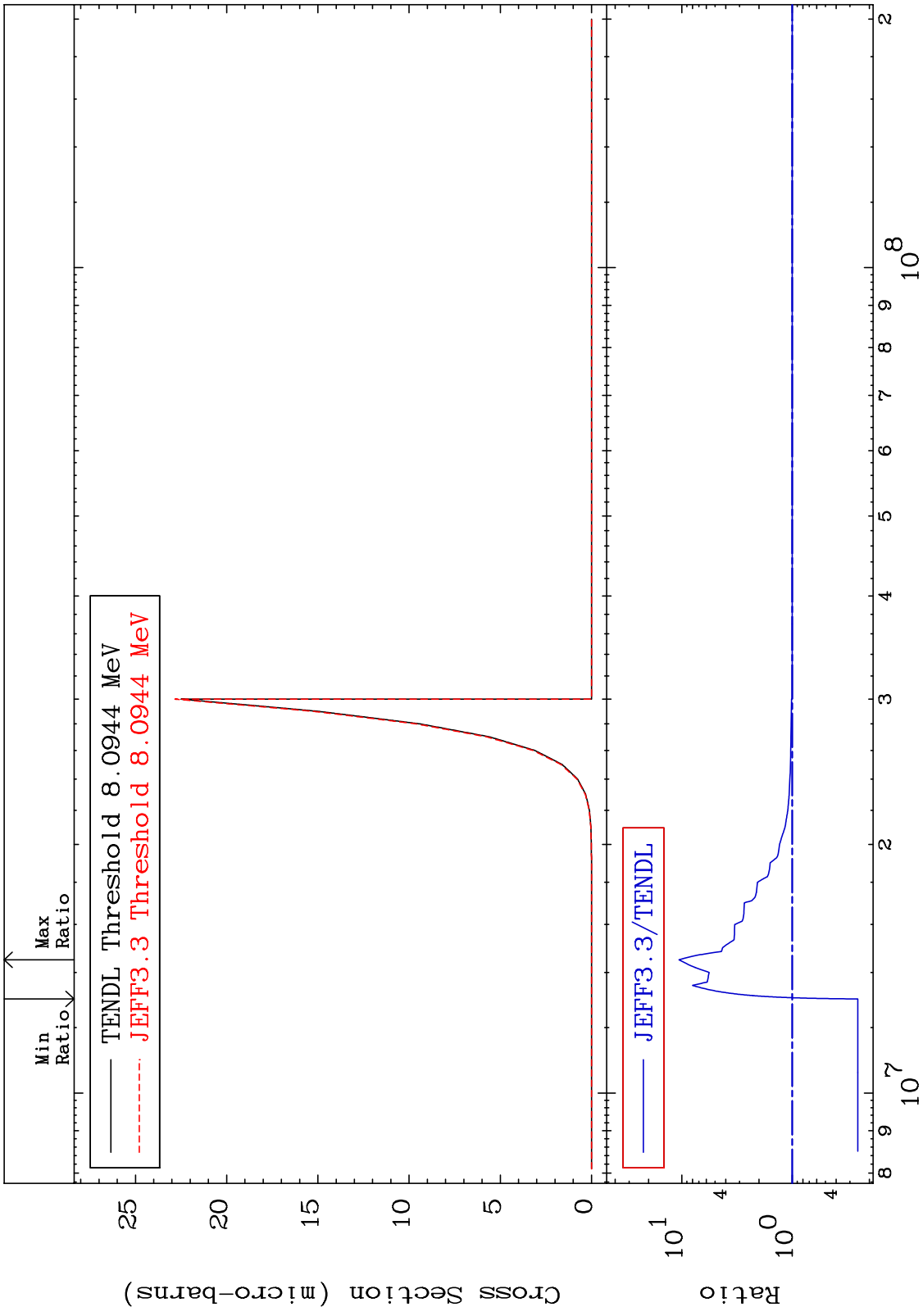
MAT 3640 $(n, 2\alpha)$ Cross Section 36-Kr-83 To 4712. %



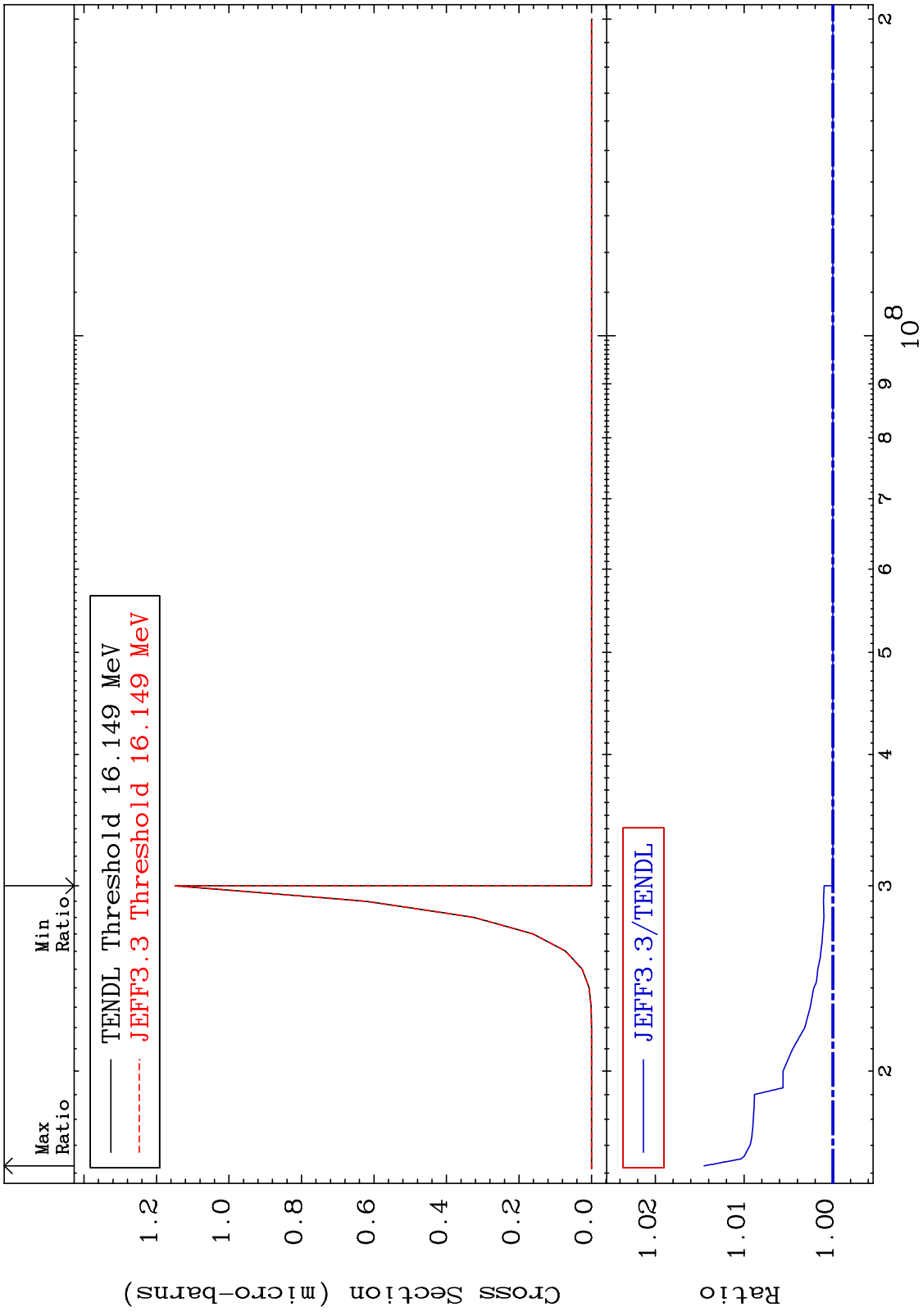
MAT 3640 (n,2p) Cross Section 36-Kr-83 To 1.198 %



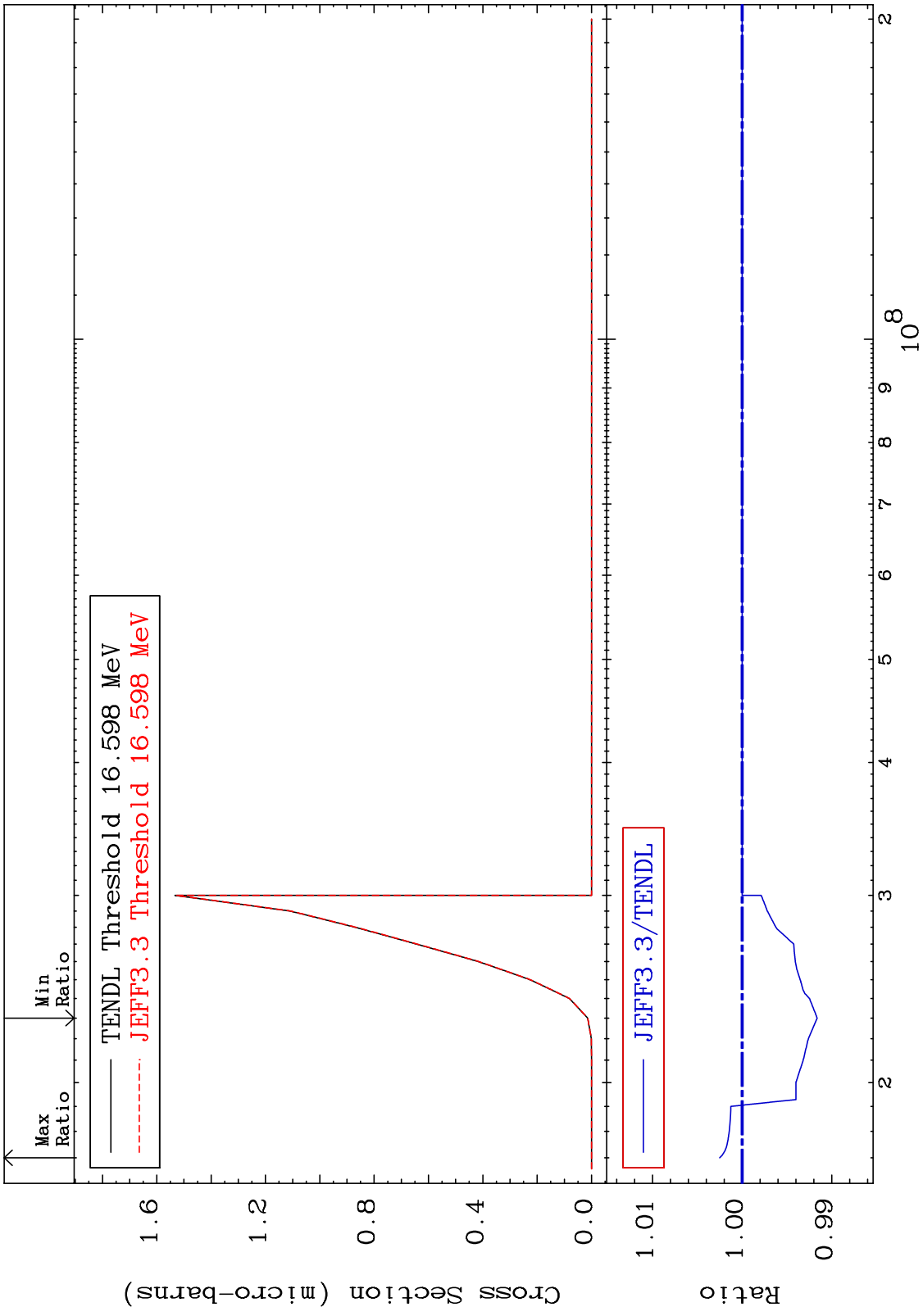
MAT 3640 $(n,p) \alpha$ 36-Kr-83
 Cross Section -74.52 To 958.0 %



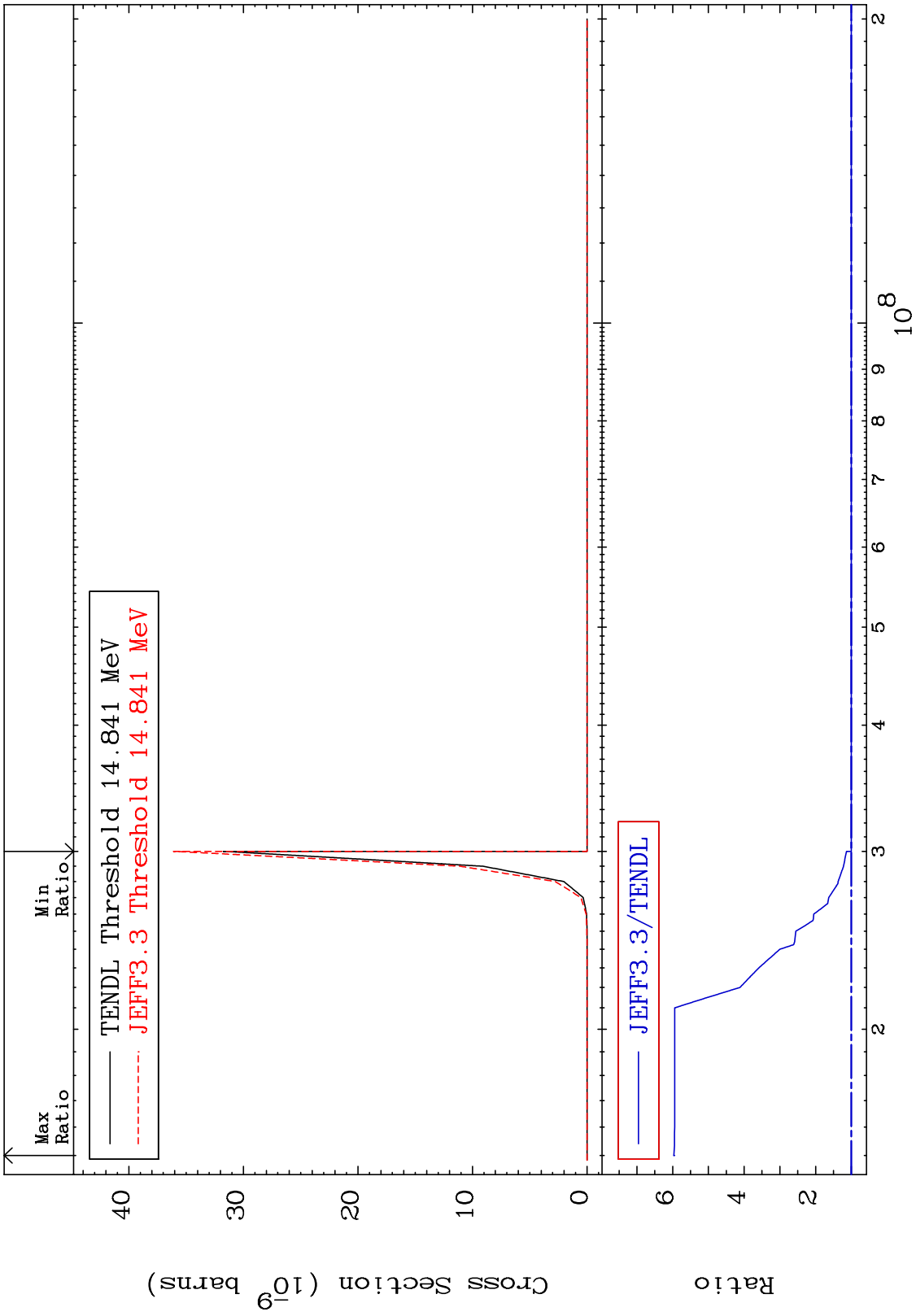
MAT 3640 (n,p) d 36-Kr-83
 Cross Section 0.000 To 1.452 %



MAT 3640 (n,p) t 36-Kr-83
 Cross Section -0.836 To 0.251 %



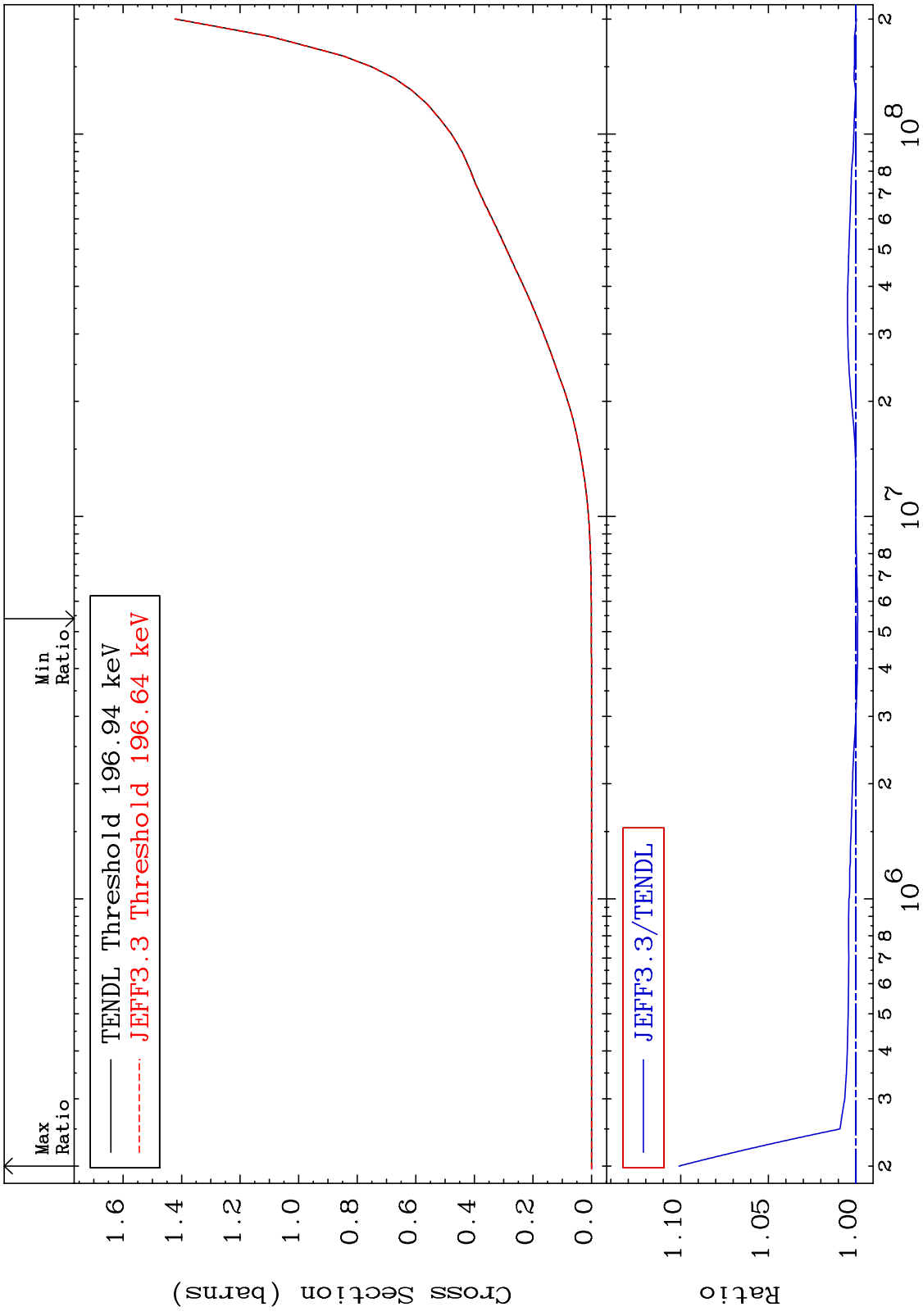
MAT 3640 (n,d) α 36-Kr-83
Cross Section 0.000 To 496.6 %



36-Kr-83

Incident Energy (eV)

MAT 3640 Hydrogen Production Cross Section 36-Kr-83
 -0.114 To 10.10 %

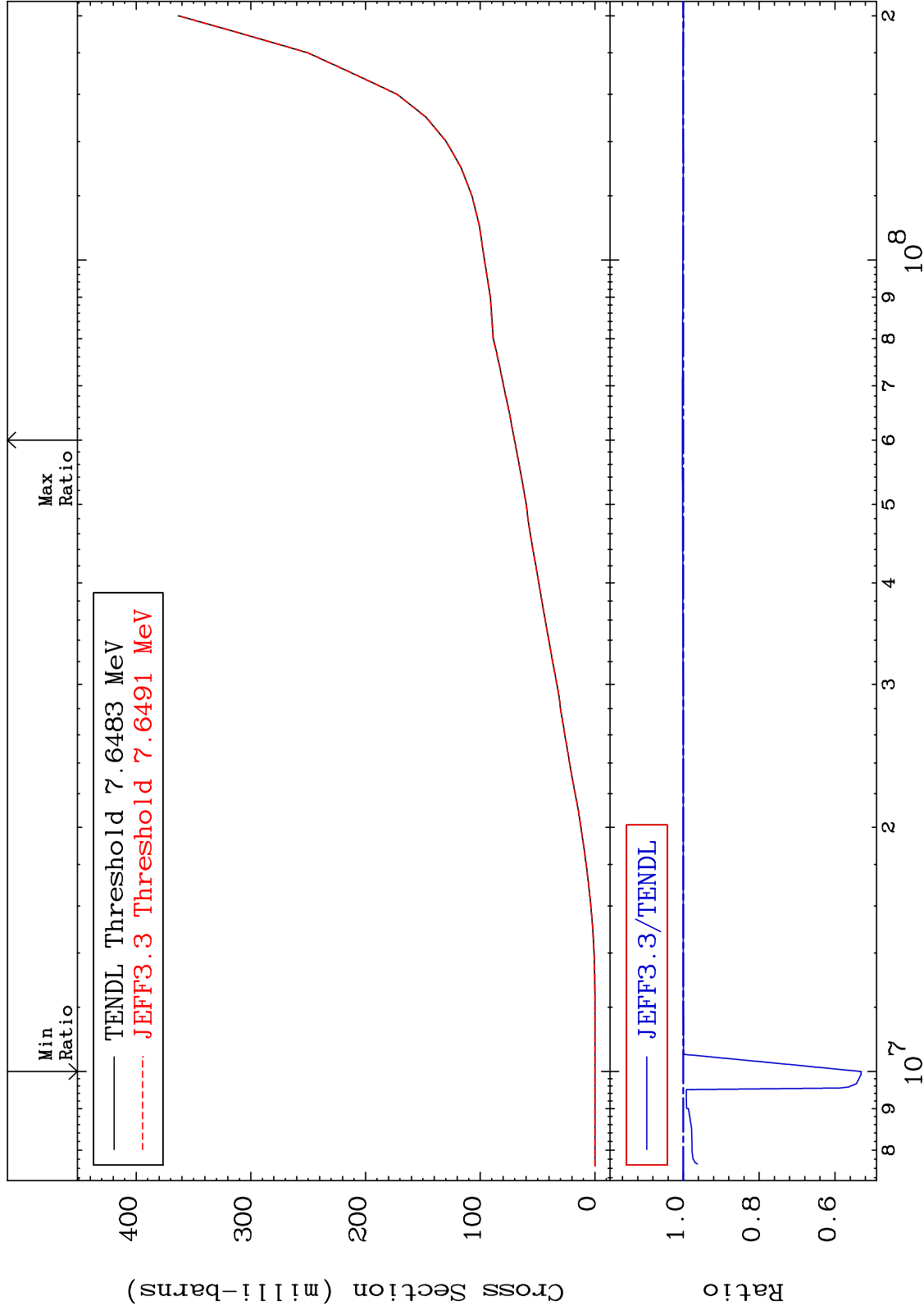


63 36-Kr-83

MAT 3640

Deuterium Production
Cross Section

³⁶Kr-83
-46.90 To 0.214 %



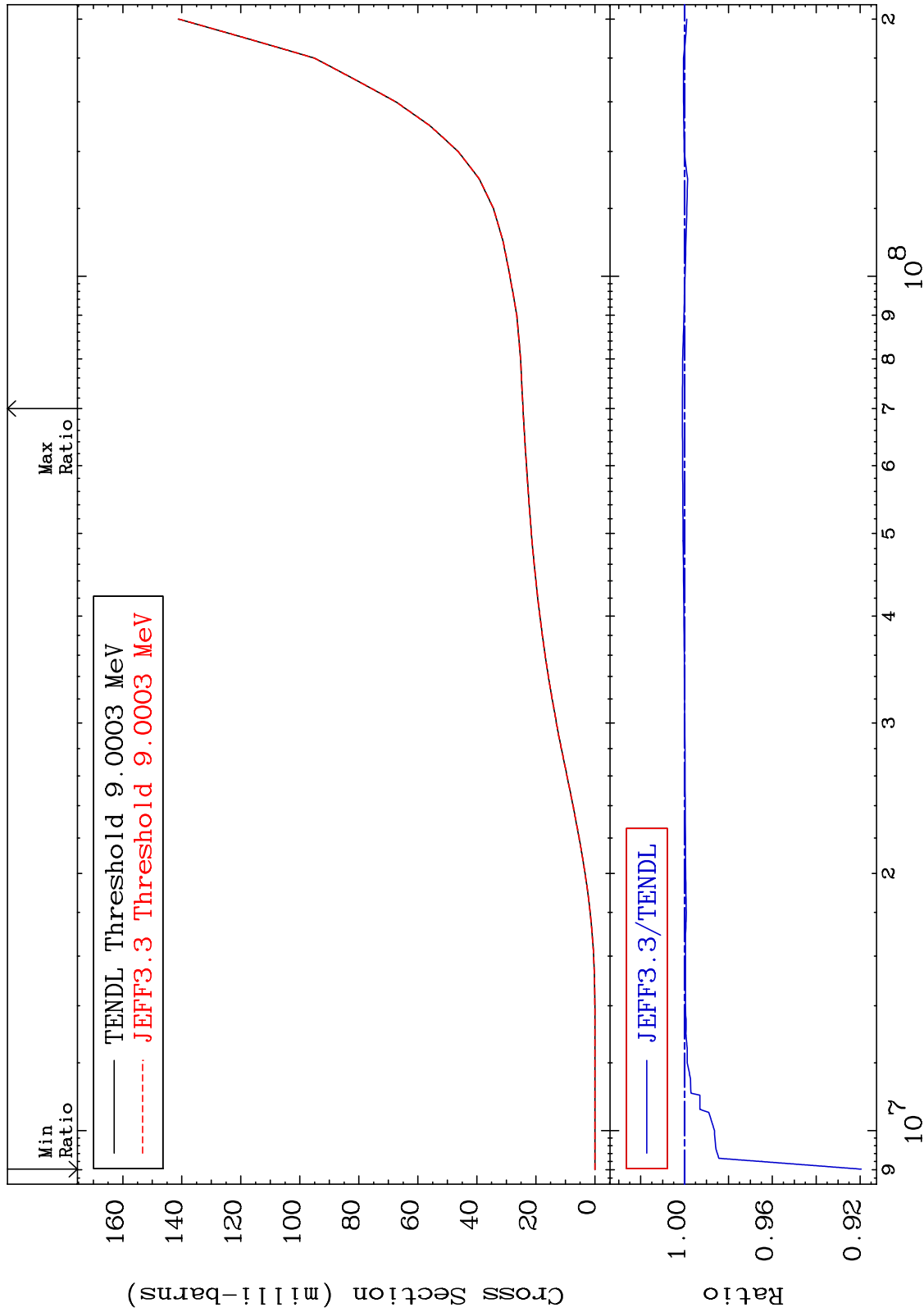
64

36-Kr-83

MAT 3640

Tritium Production
Cross Section

36-Kr-83
-8.056 To 0.097 %

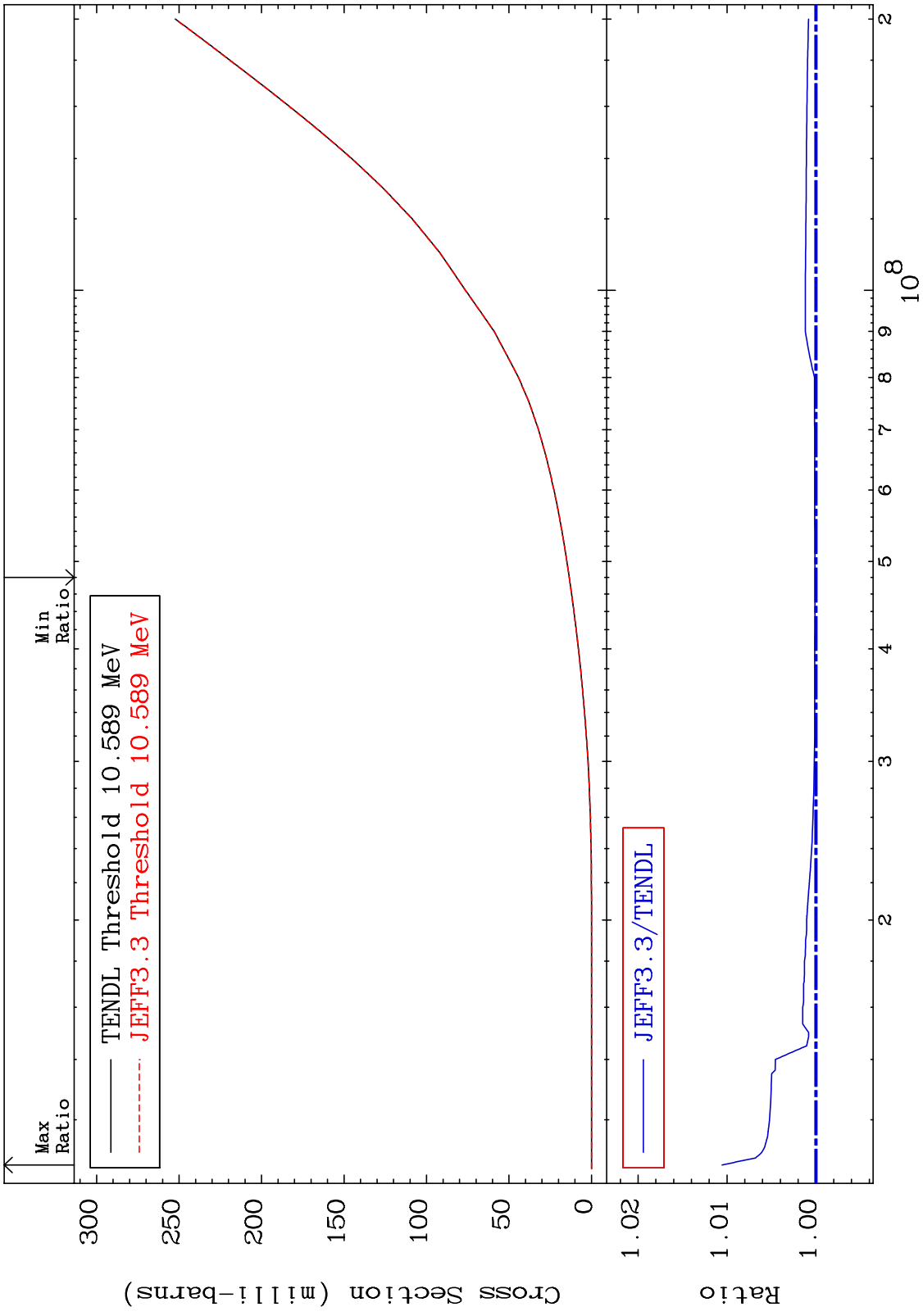


65

Incident Energy (eV)

36-Kr-83

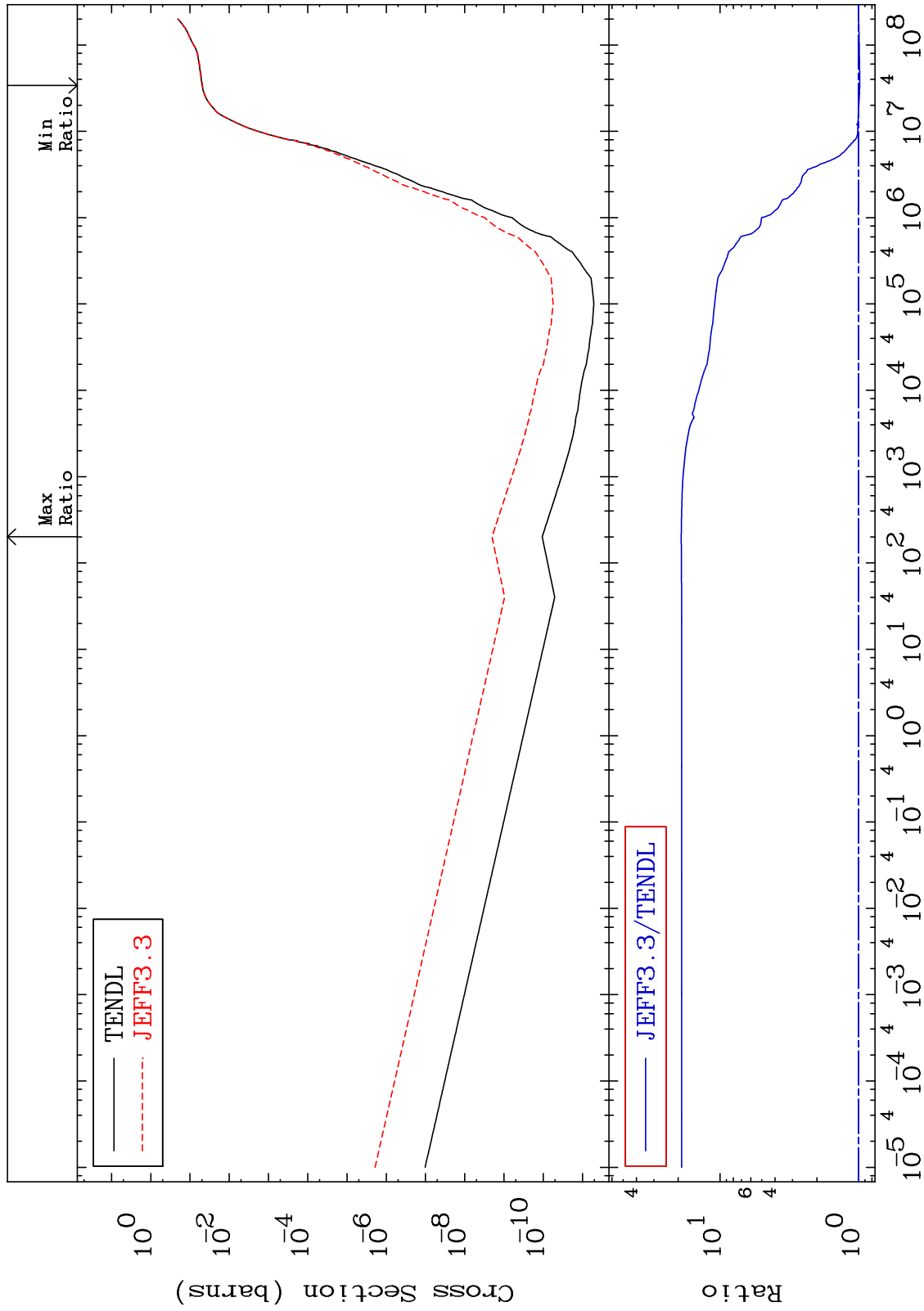
MAT 3640 He-3 Production Cross Section 36-Kr-83 To 1.057 %



MAT 3640

He-4 Production
Cross Section

36-Kr-83
-1.952 To 1802. %

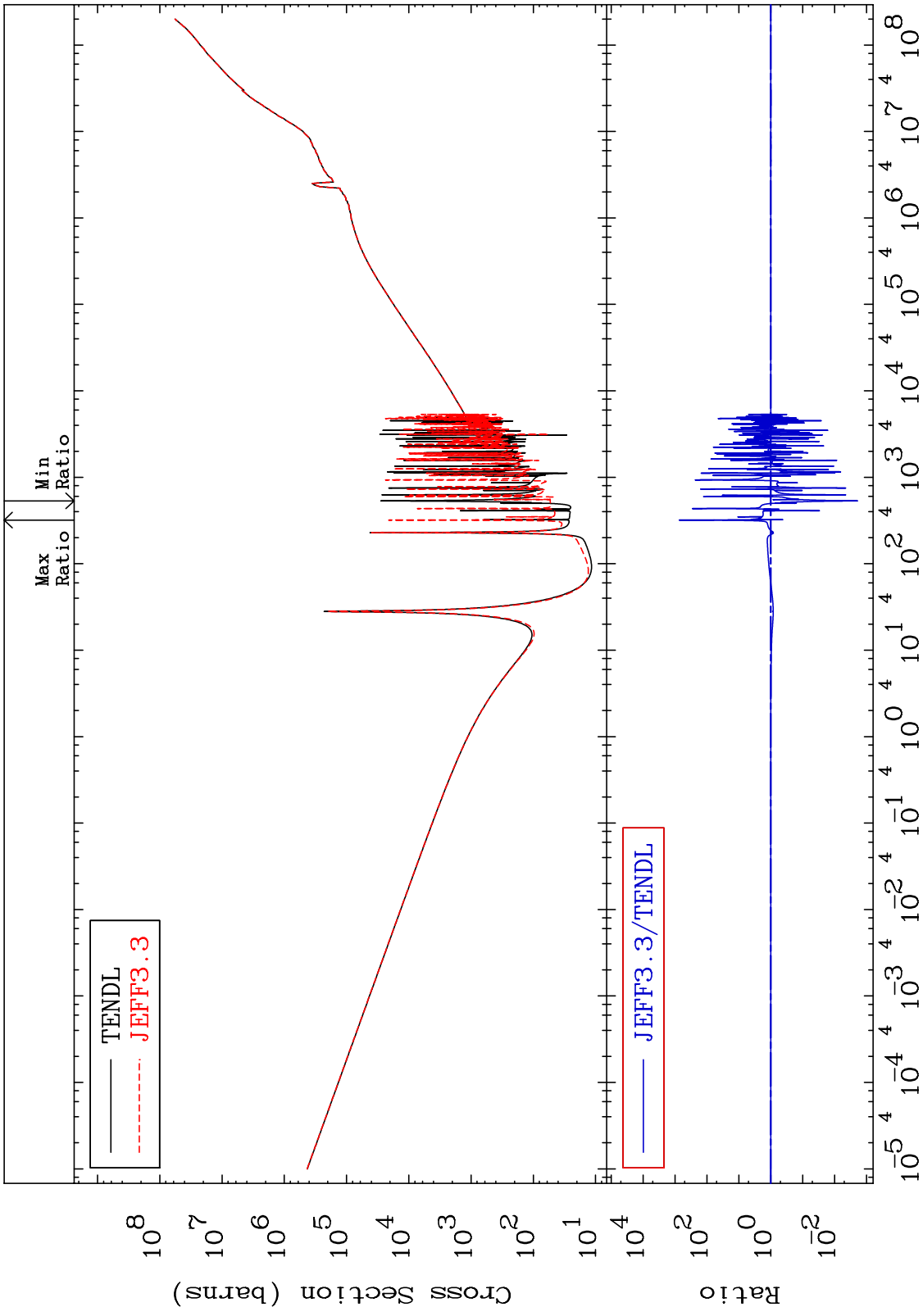


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Incident Energy (eV)

36-Kr-83

MAT 3640 Kerma total (eV-barns) 36-Kr-83
 Cross Section -99.81 To 9999. %

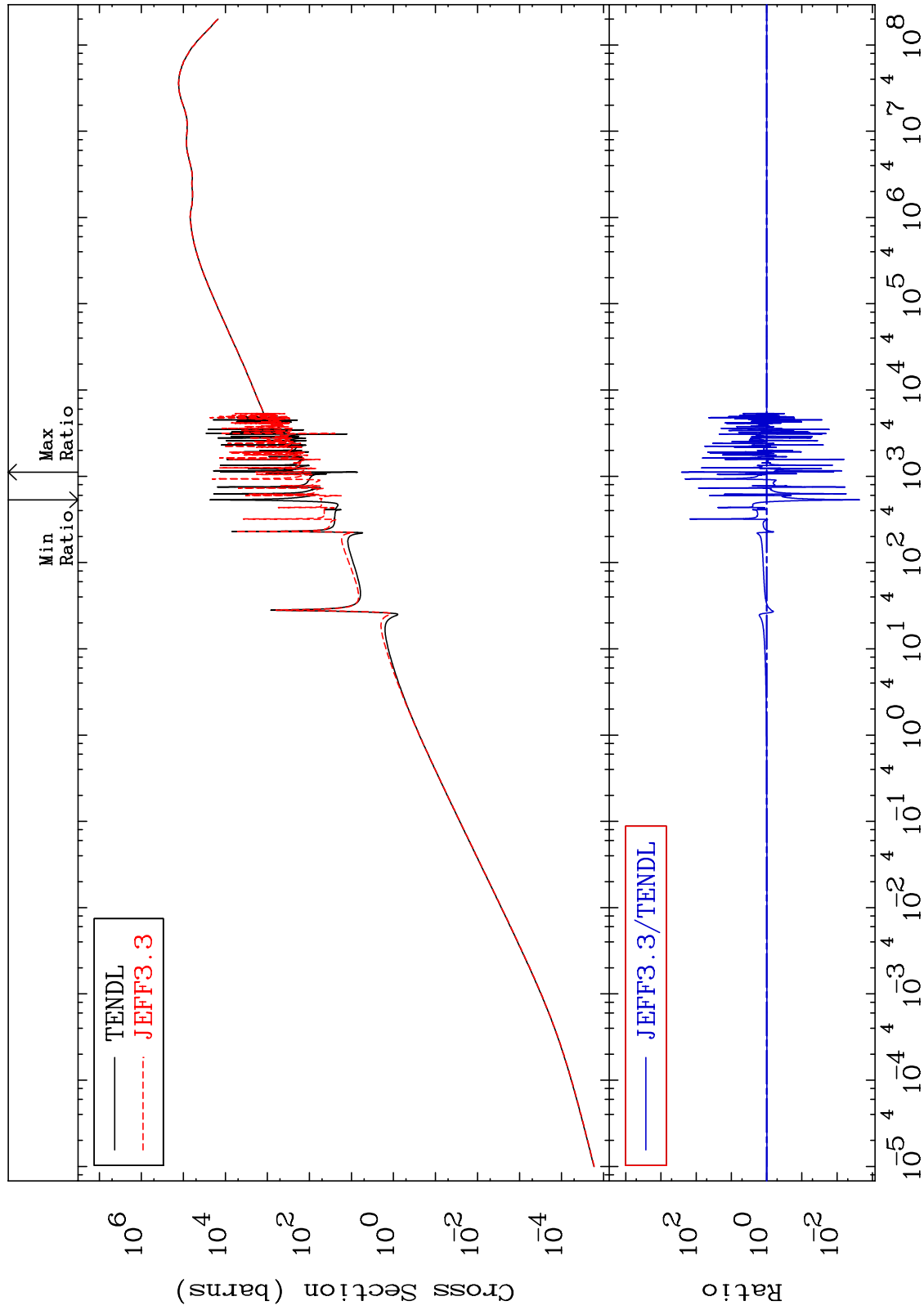


Incident Energy (eV) 36-Kr-83

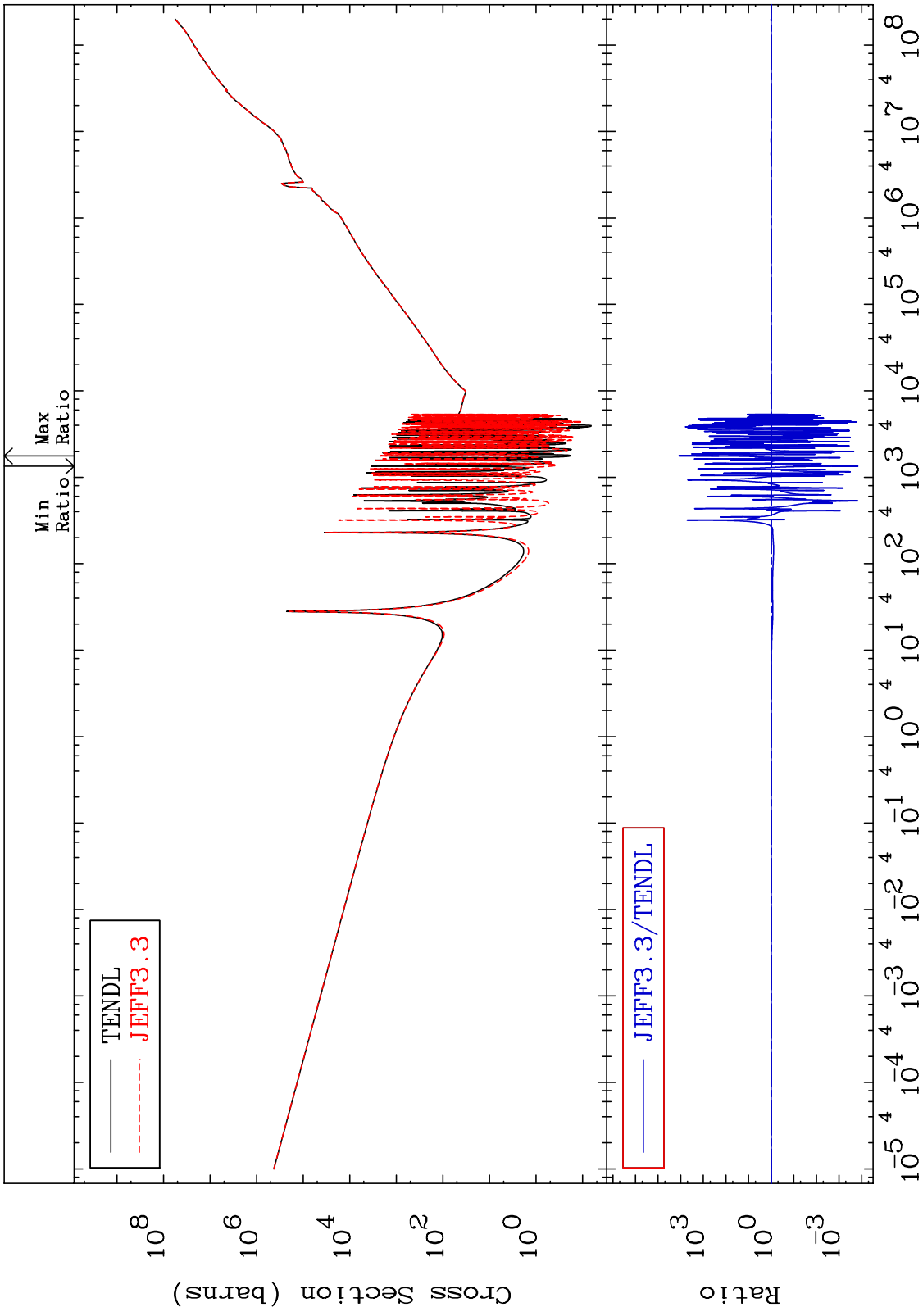
MAT 3640

Kerma elastic
Cross Section

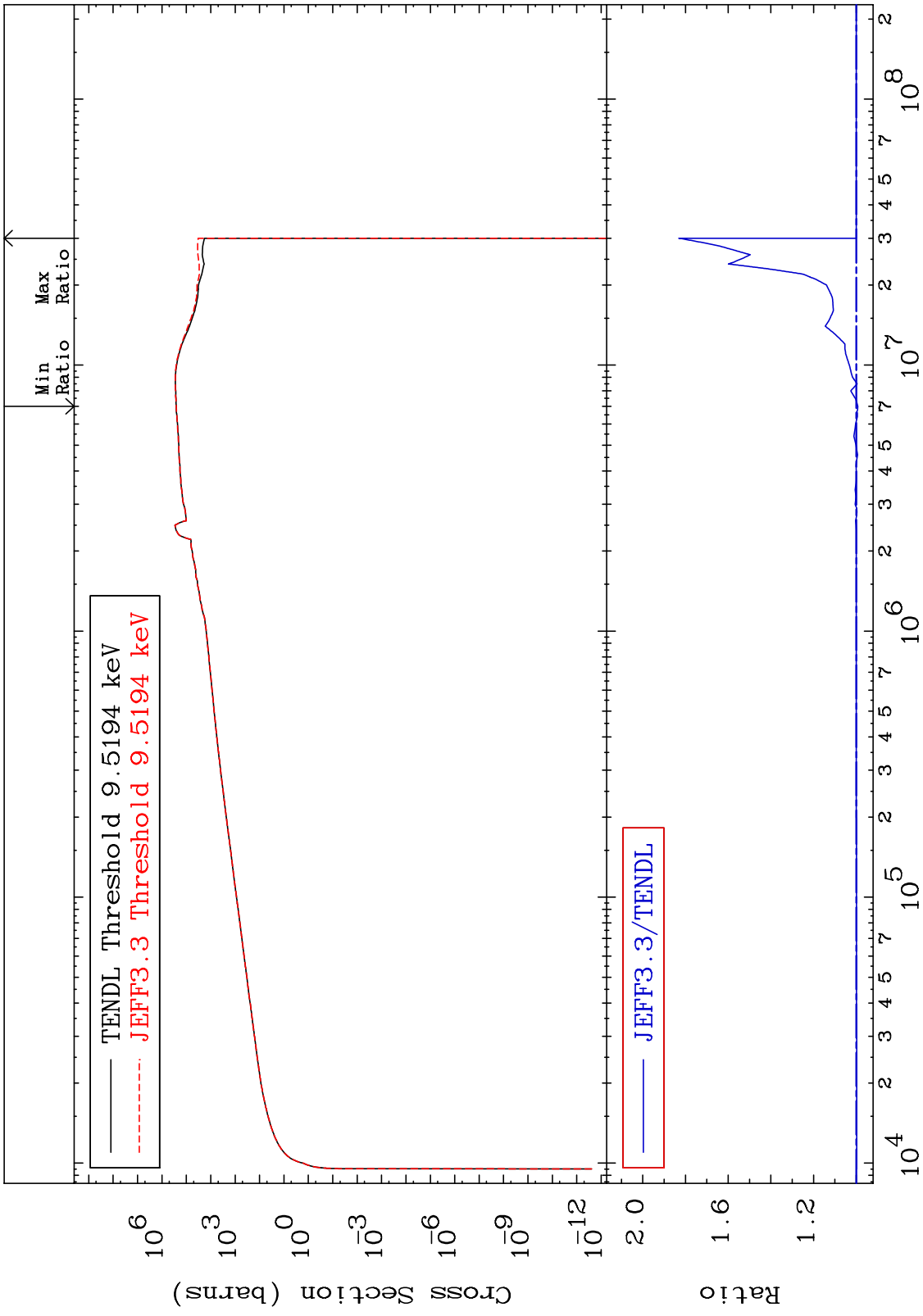
36-Kr-83
-99.77 To 9999. %



MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83
Cross Section -99.99 To 9999. %



MAT 3640 Kerma inelastic (mt51-91) Cross Section 36-Kr-83
-0.738 To 83.01 %

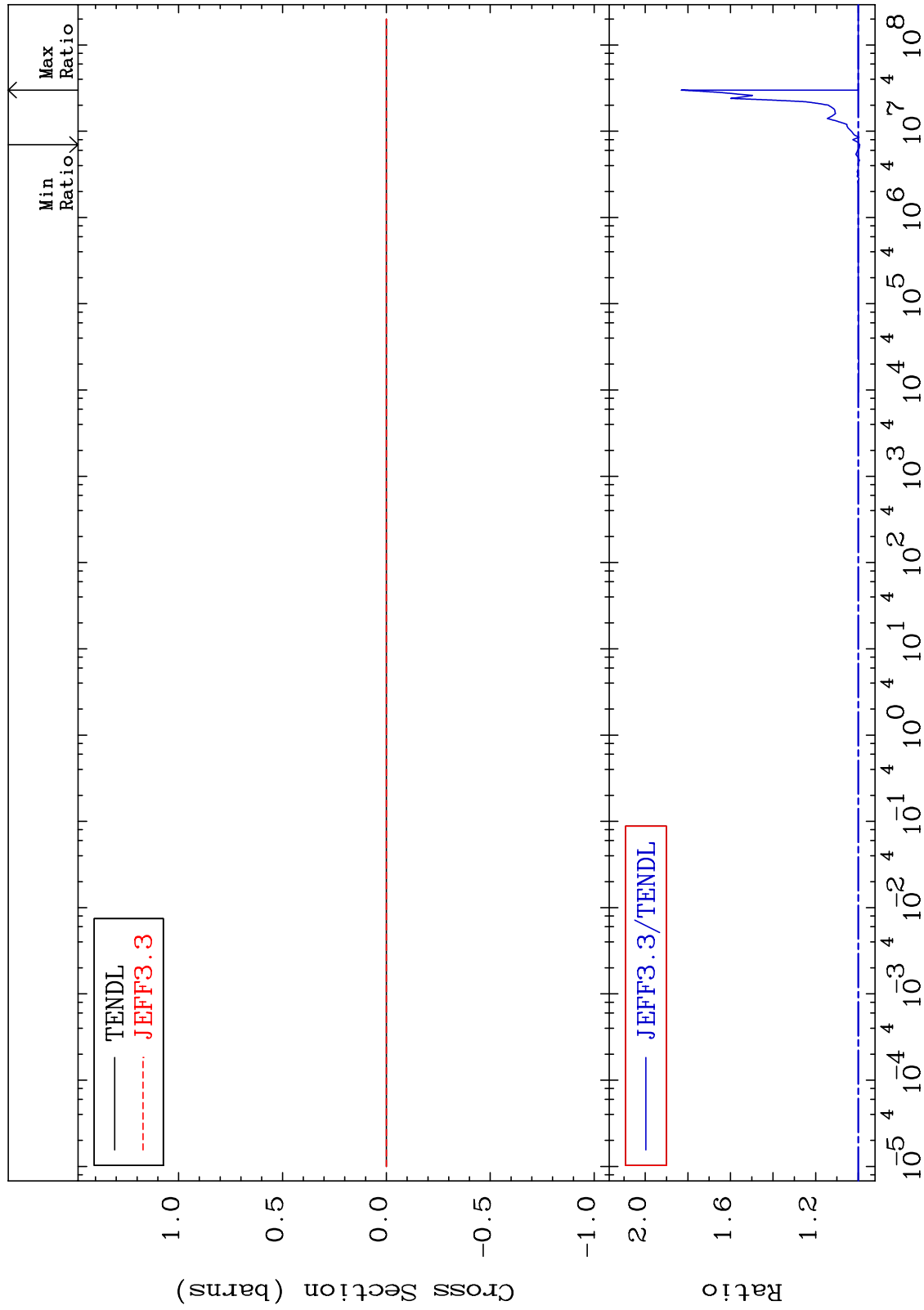


71 Incident Energy (eV) 36-Kr-83

MAT 3640

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

36-Kr-83
-0.738 To 83.01 %



72

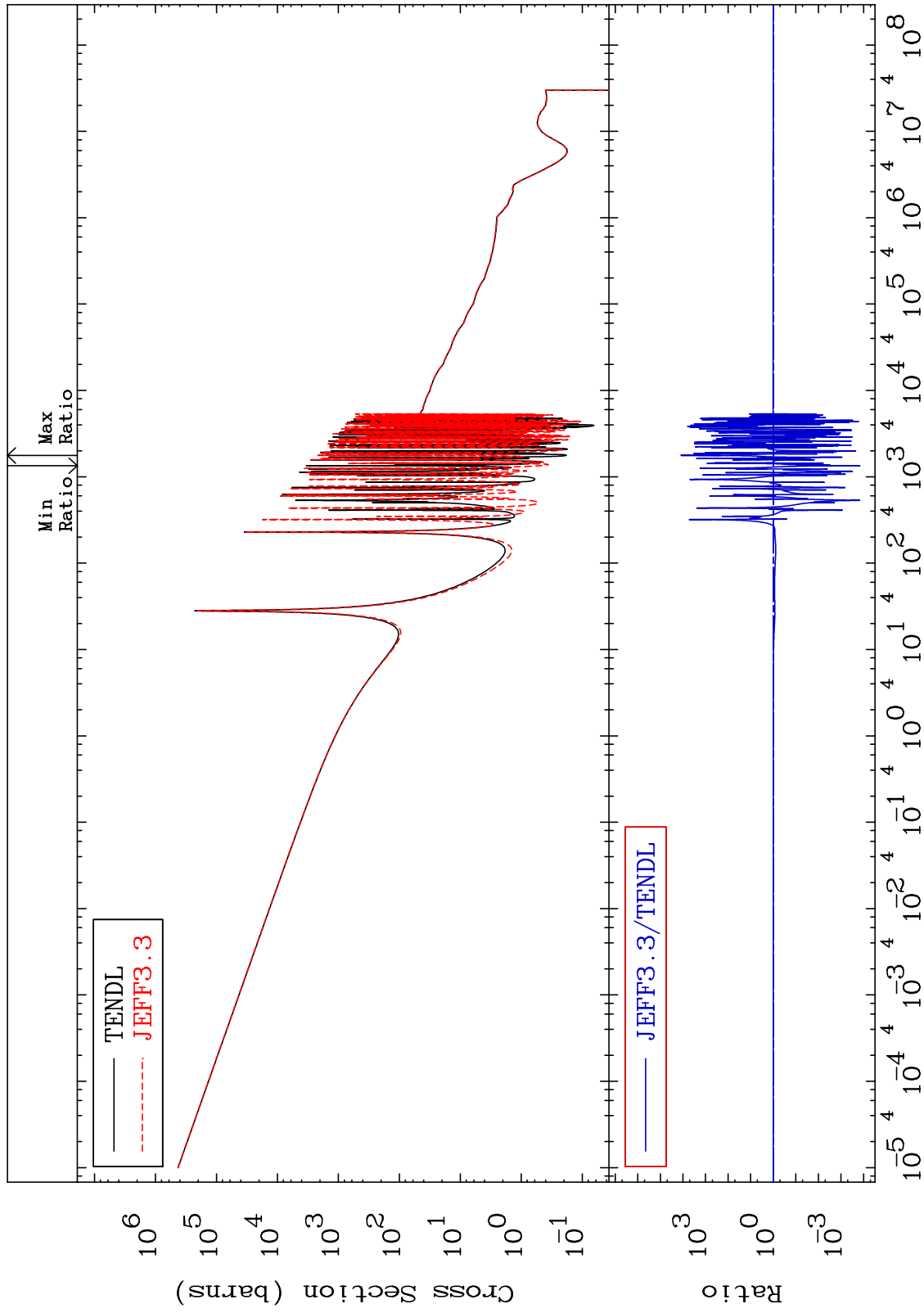
Incident Energy (eV)

36-Kr-83

MAT 3640

Kerma capture (mt102)
Cross Section

36-Kr-83
-99.99 To 9999. %

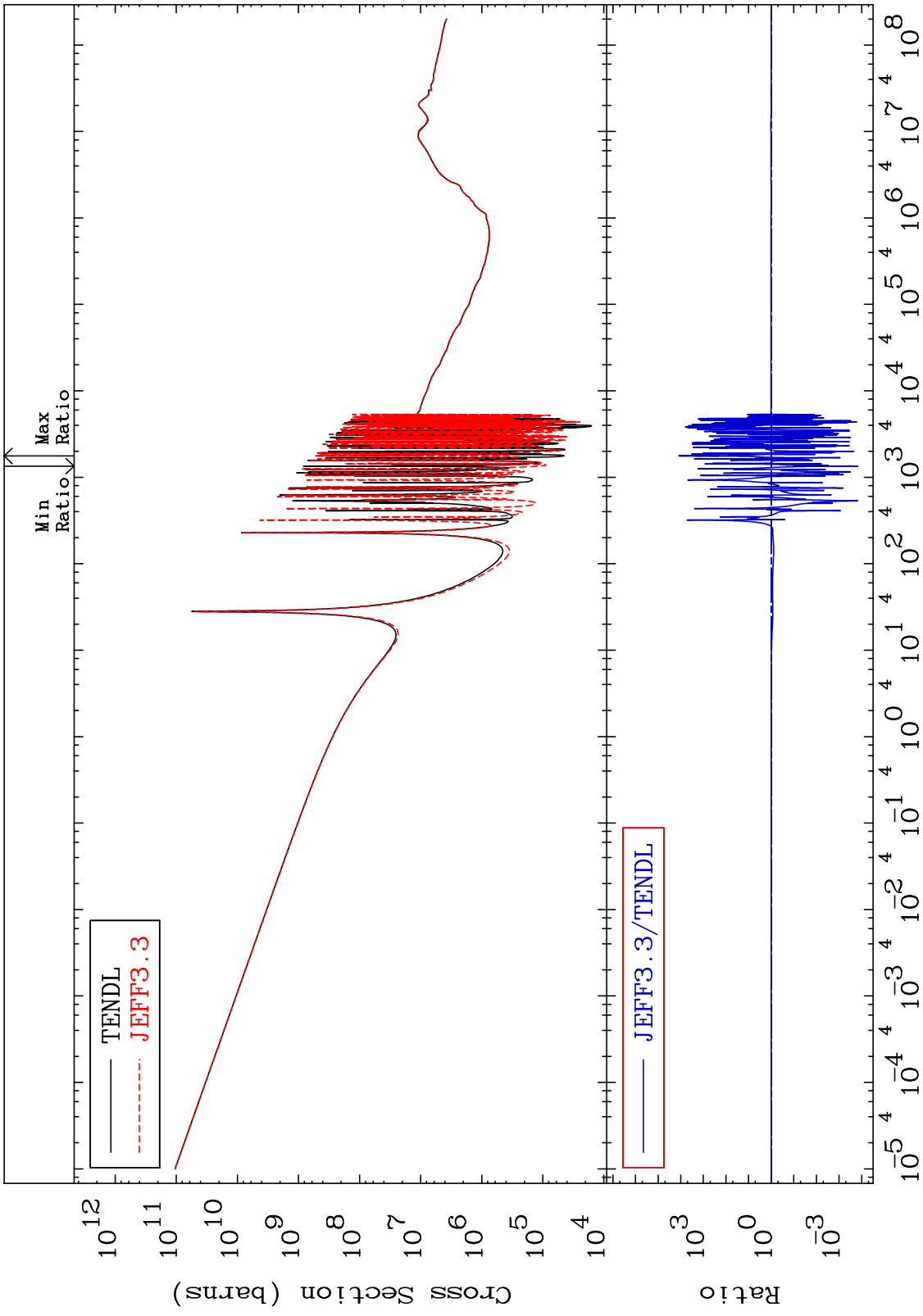


73

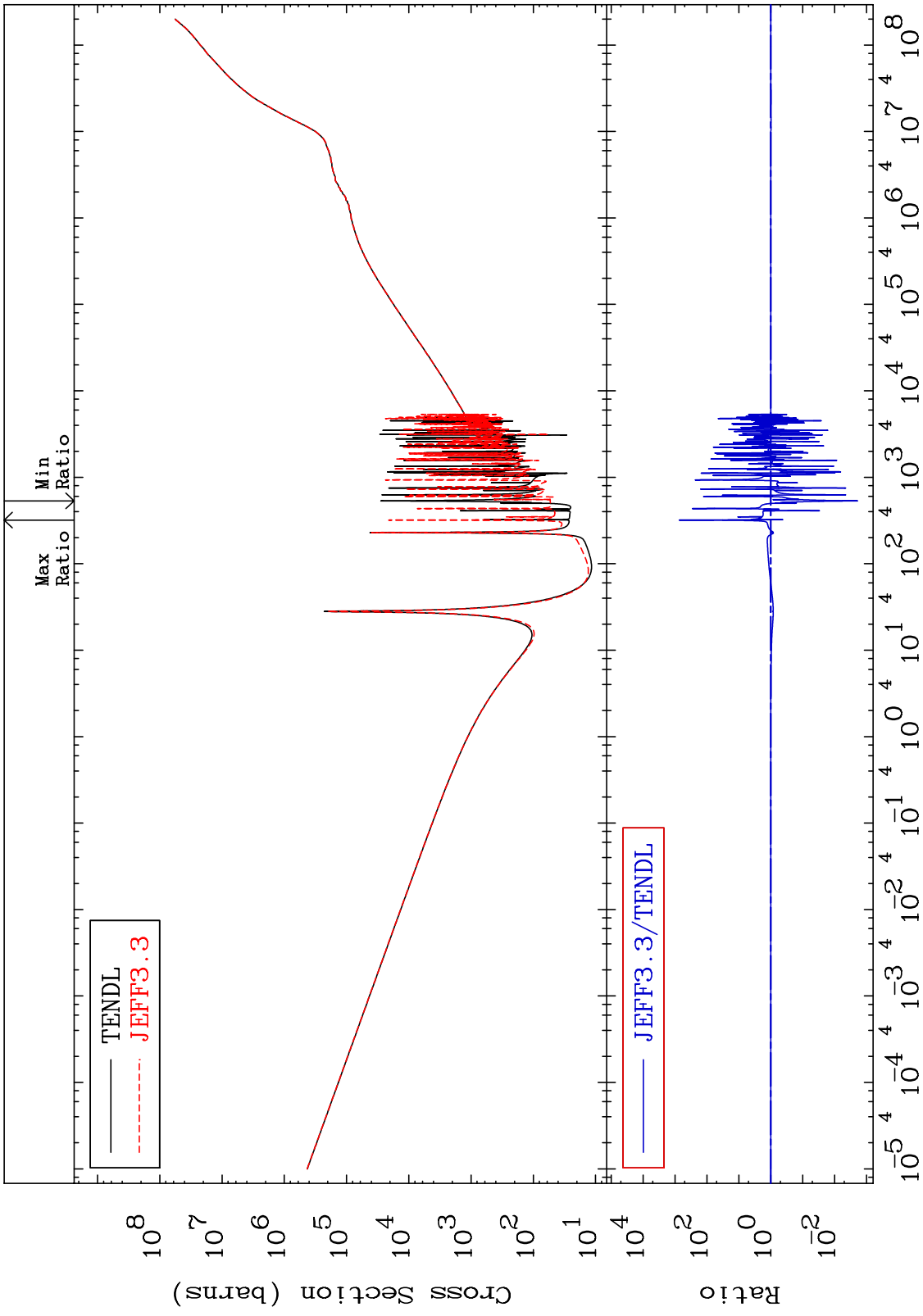
Incident Energy (eV)

36-Kr-83

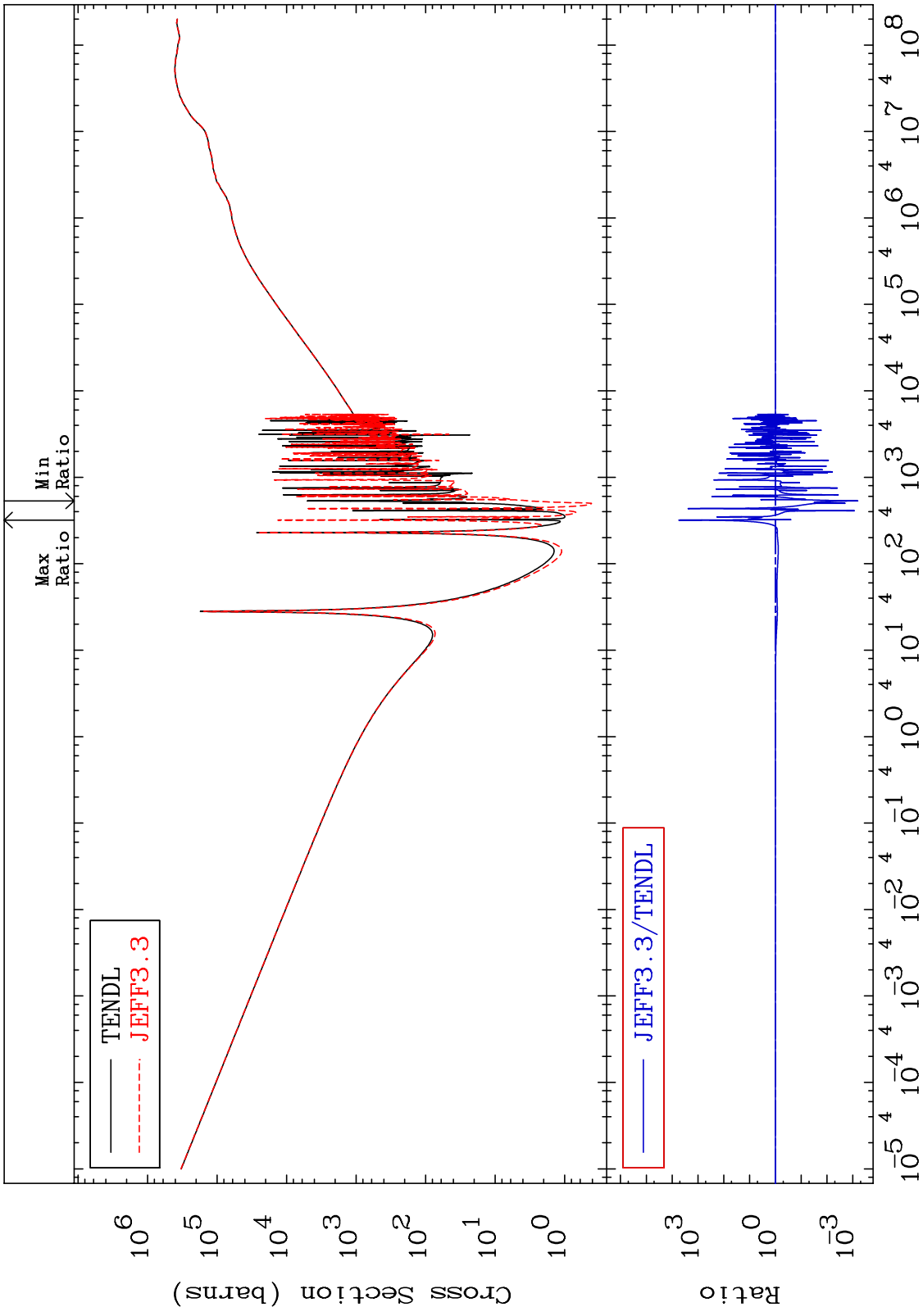
MAT 3640 Total photon (eV-barns) Cross Section 36-Kr-83 -99.99 To 9999. %



MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
Cross Section -99.81 To 9999. %



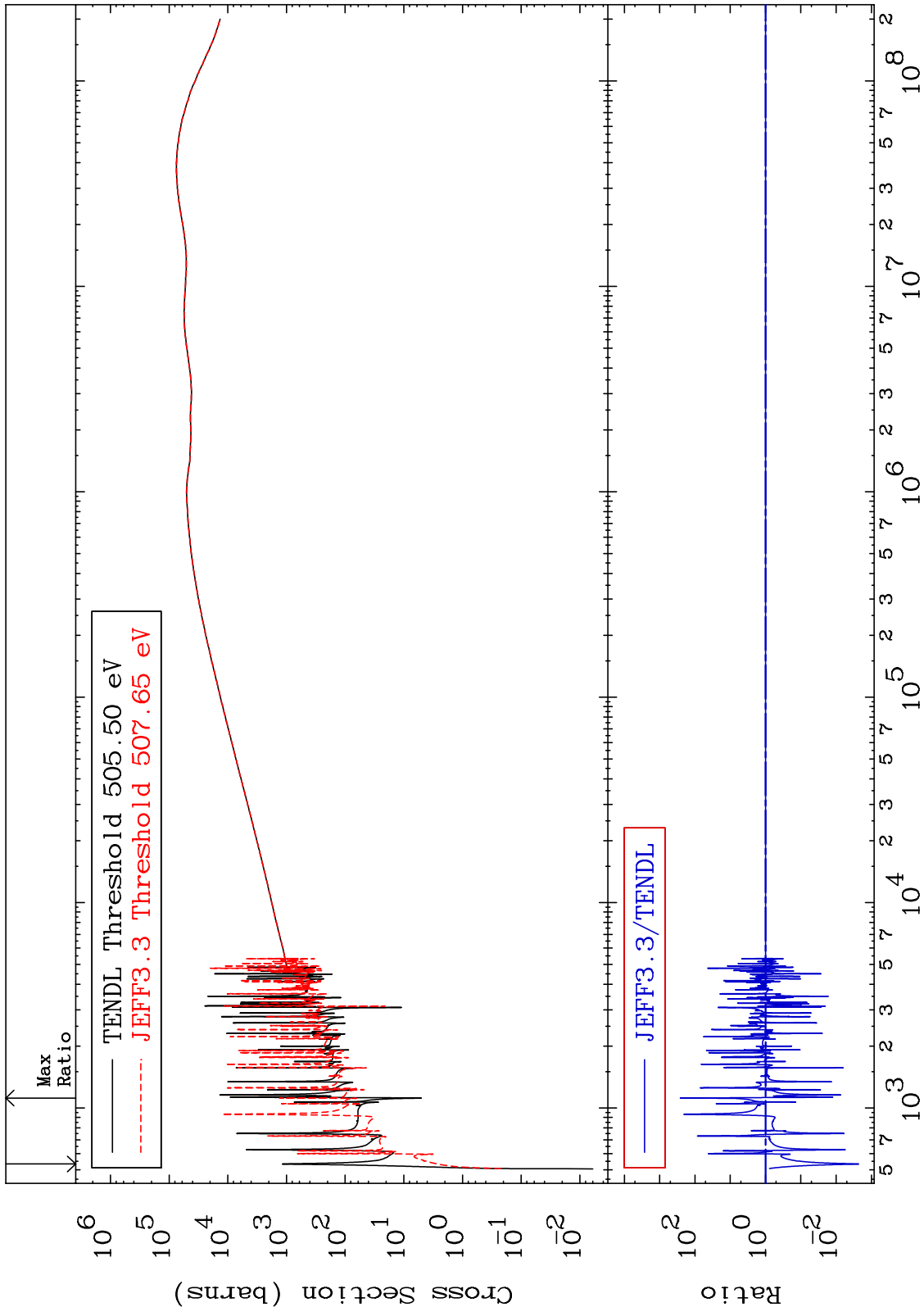
MAT 3640 Dpa total (eV-barns) 36-Kr-83
 Cross Section -99.94 To 9999. %



MAT 3640

Dpa elastic (mt2)
Cross Section

36-Kr-83
-99.77 To 9999. %

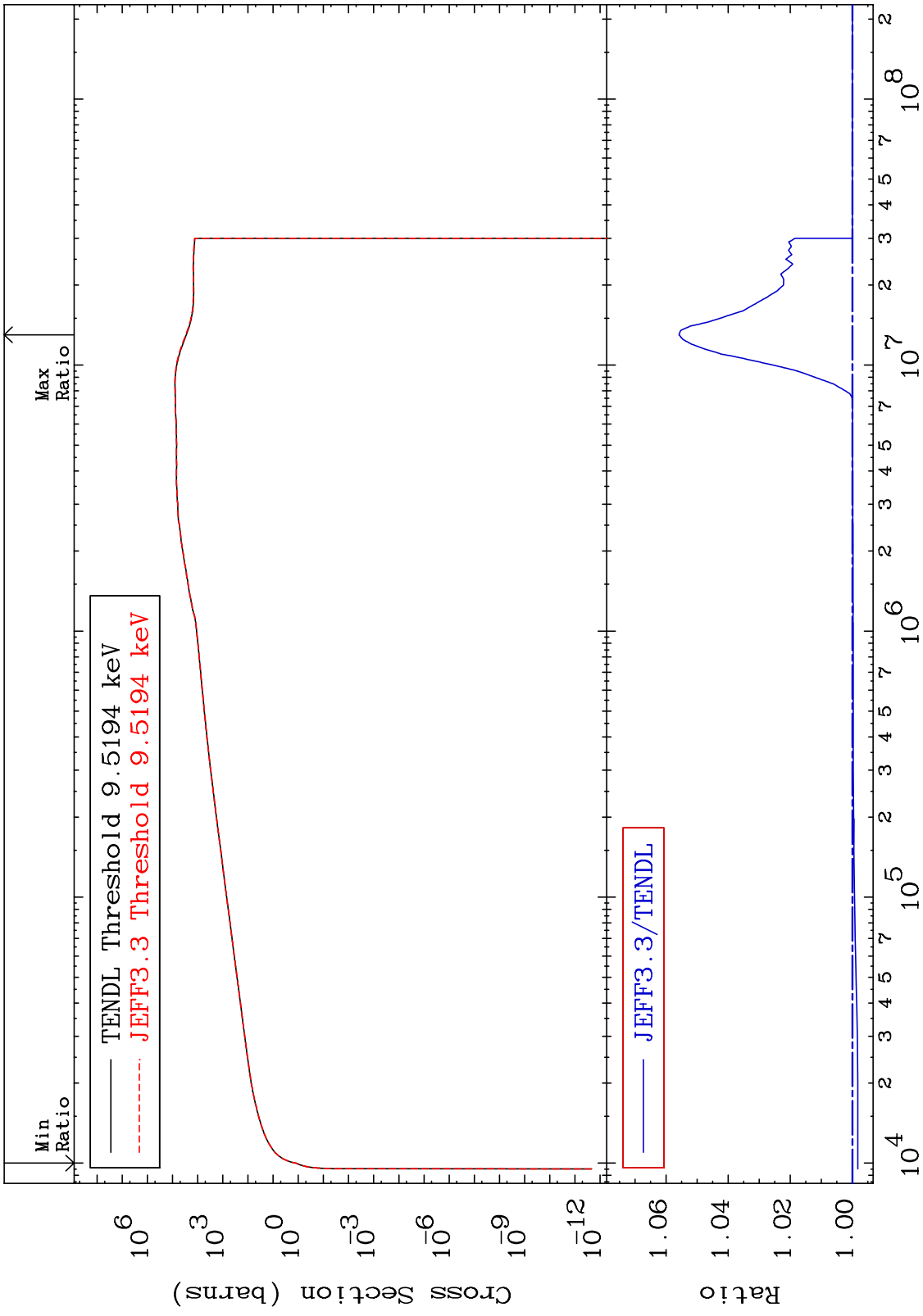


77

Incident Energy (eV)

36-Kr-83

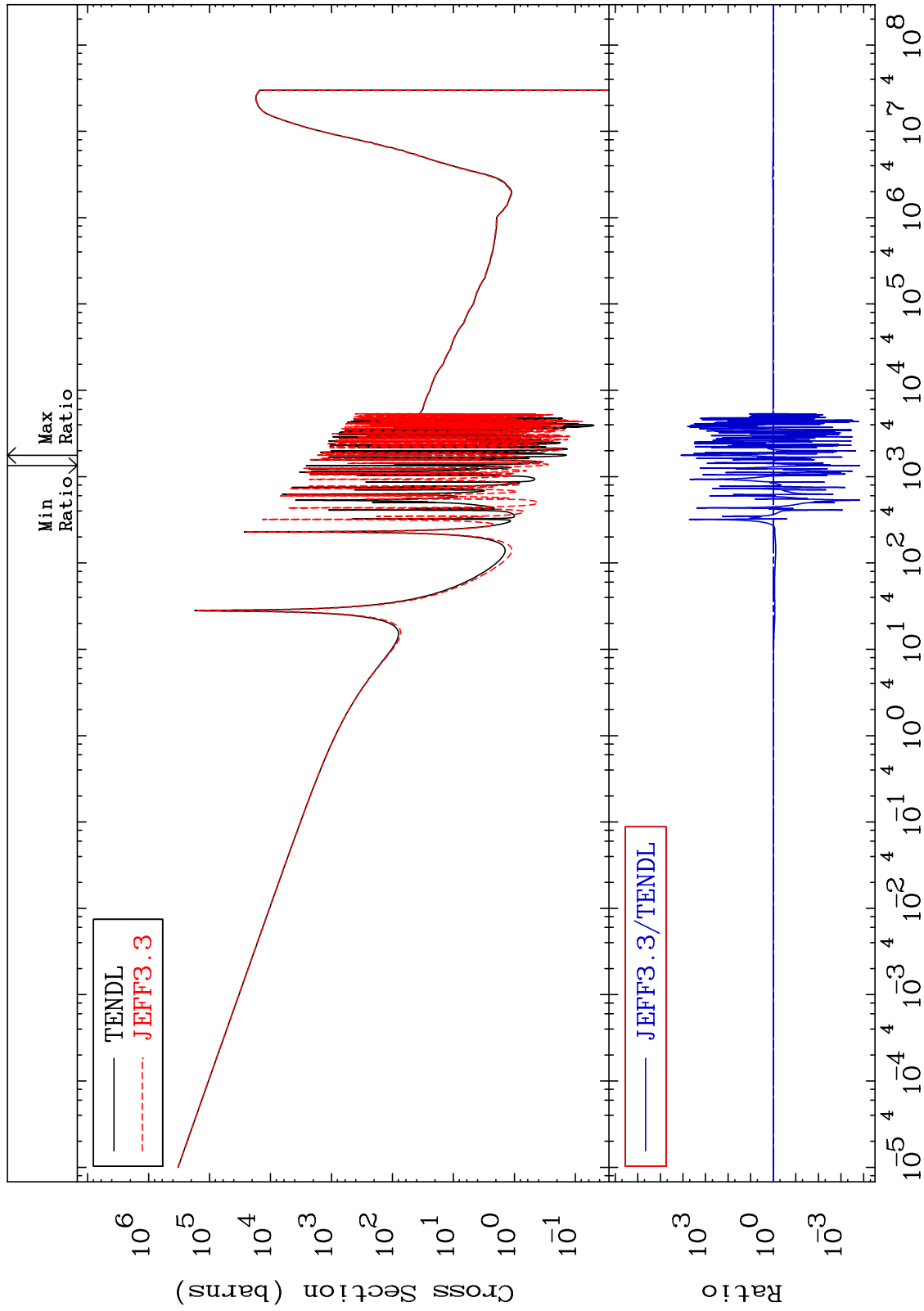
MAT 3640 Dpa inelastic (mt51-91) 36-Kr-83
 Cross Section -0.176 To 5.583 %



MAT 3640

Dpa disappearance (mt102 -120)
Cross Section

36-Kr-83
-99.99 To 9999. %

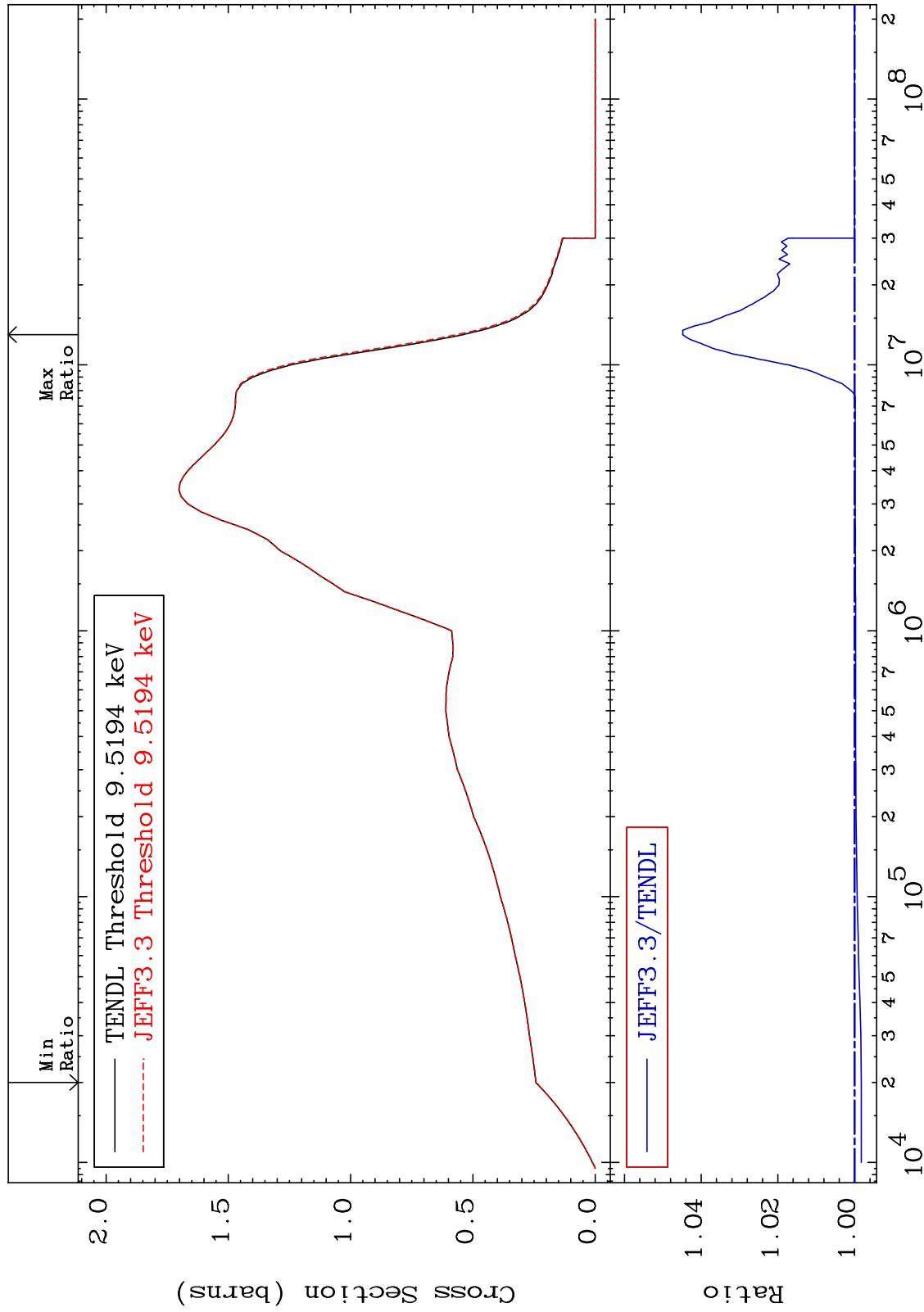


MAT 3640

36-Kr-83

Inelastic:36-Kr-83g

Radionuclide Production Cross Section -0.176 To 4.483 %



80

Incident Energy (eV)

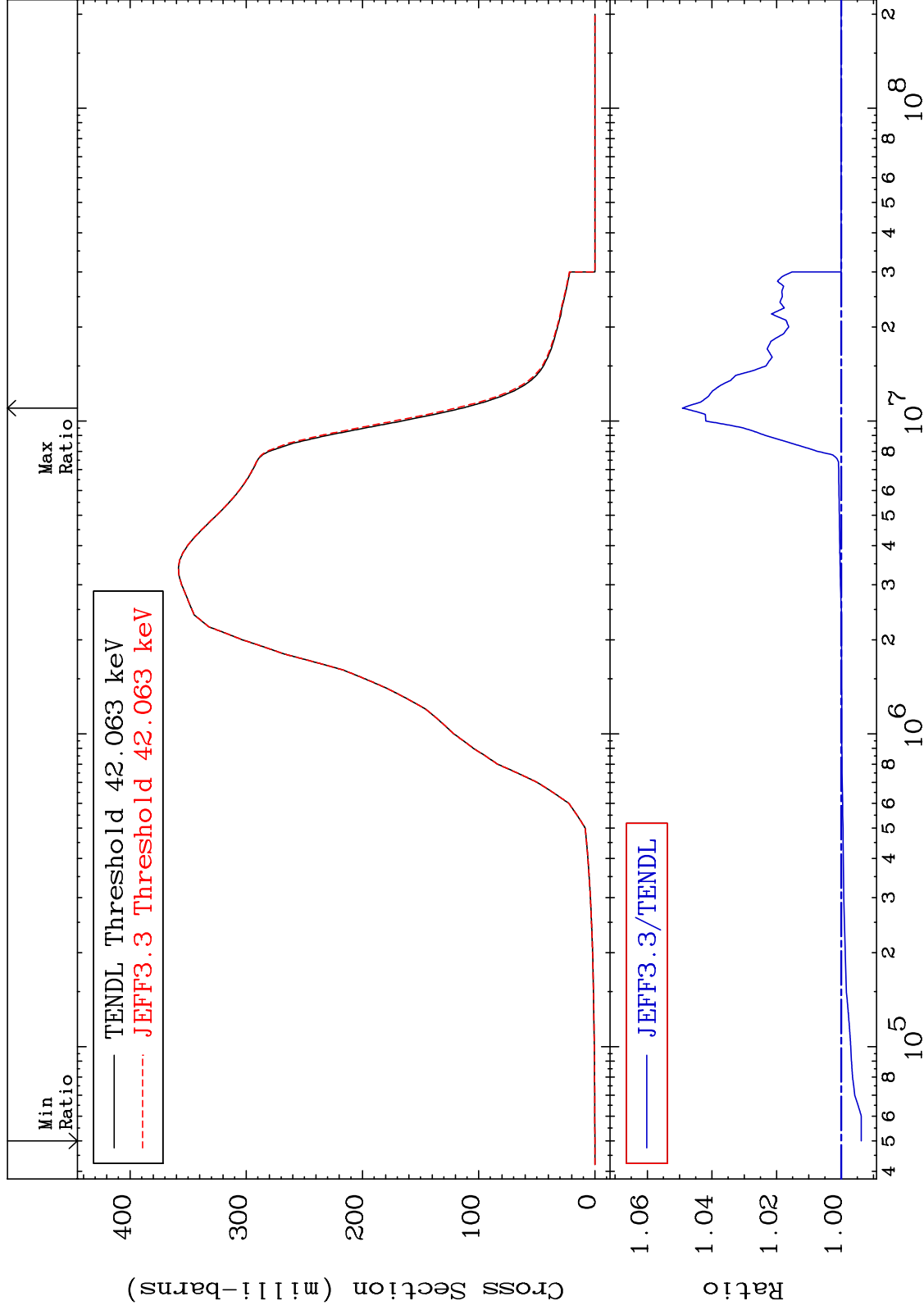
36-Kr-83

MAT 3640

Inelastic: 36-Kr-83m2

36-Kr-83

Radionuclide Production Cross Section -0.623 To 4.912 %

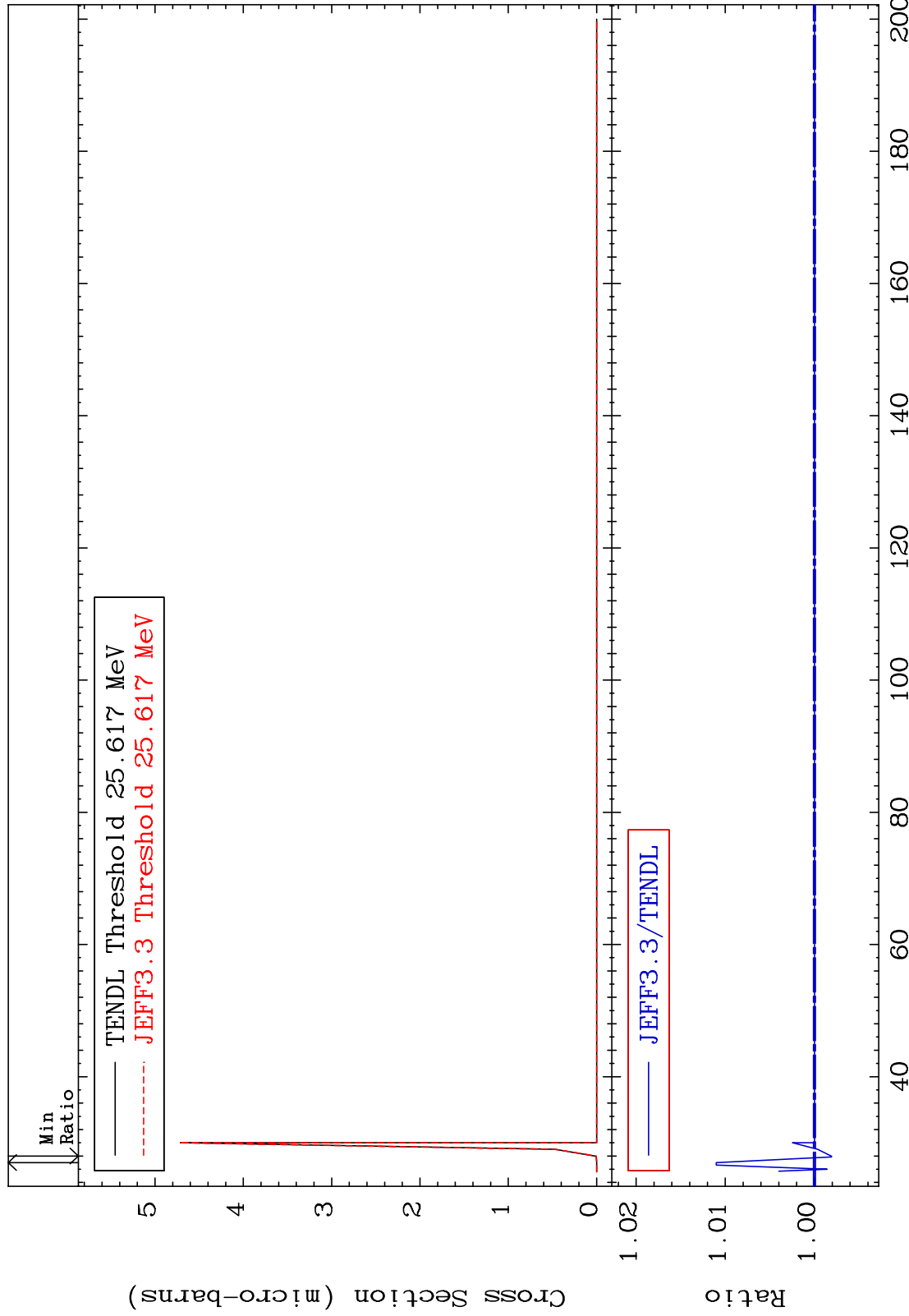


MAT 3640

(n,2n) d: 35-Br-80g

36-Kr-83

Radionuclide Production Cross Section -0.193 To 1.103 %

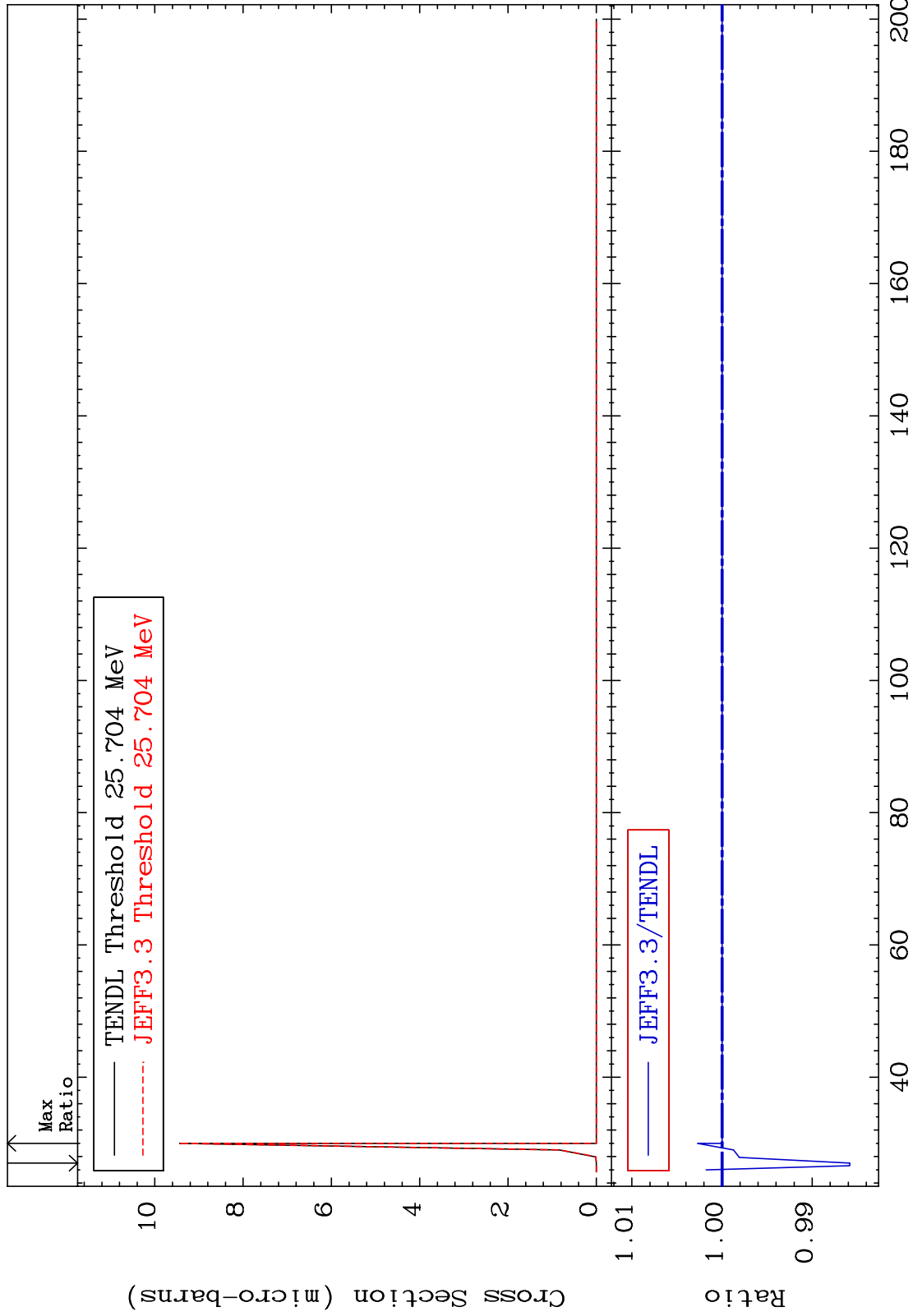


MAT 3640

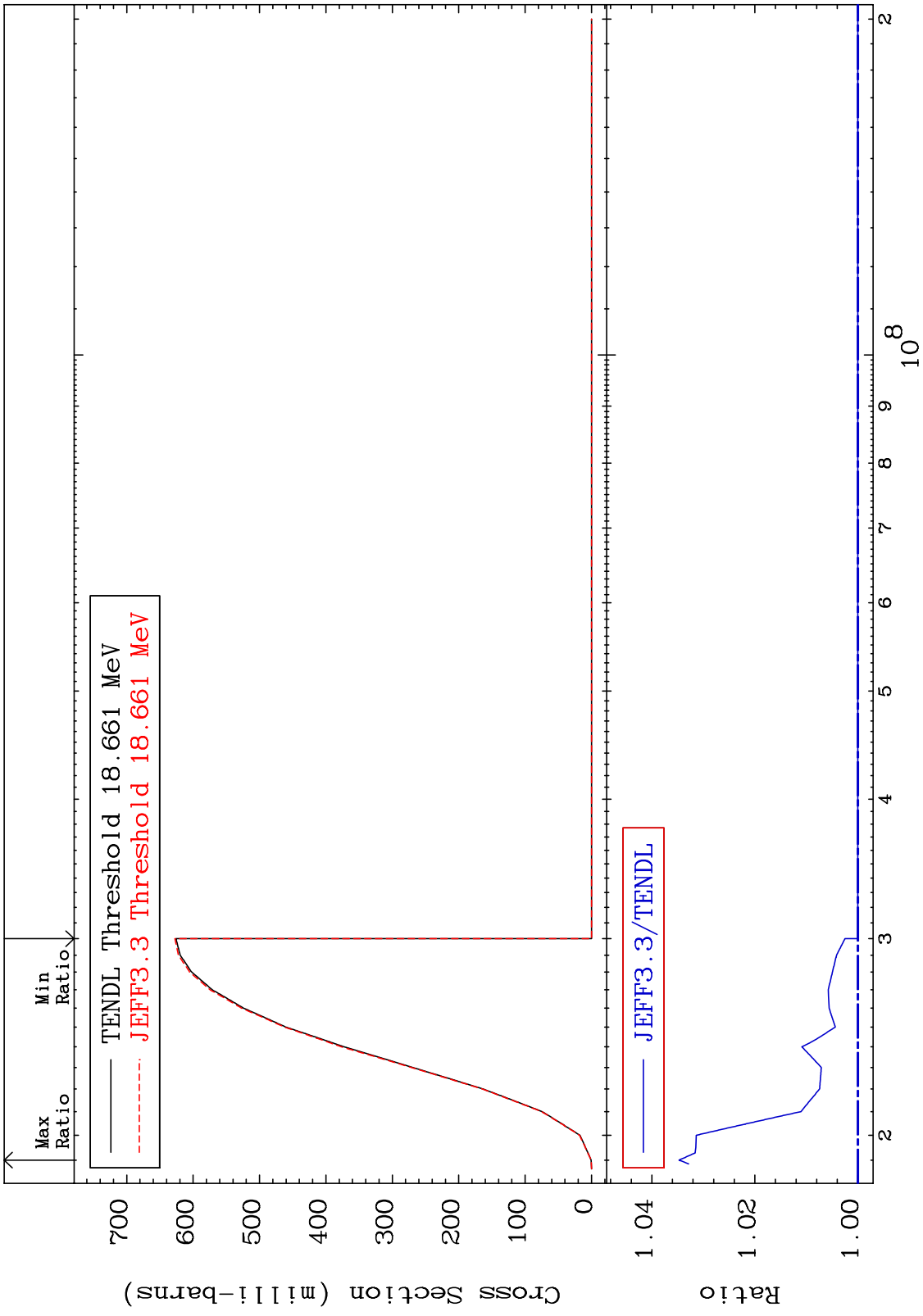
(n,2n) d:35-Br-80m2

36-Kr-83

Radionuclide Production Cross Section -1.417 To 0.272 %



MAT 3640 (n,3n):36-Kr-81g 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 3.472 %

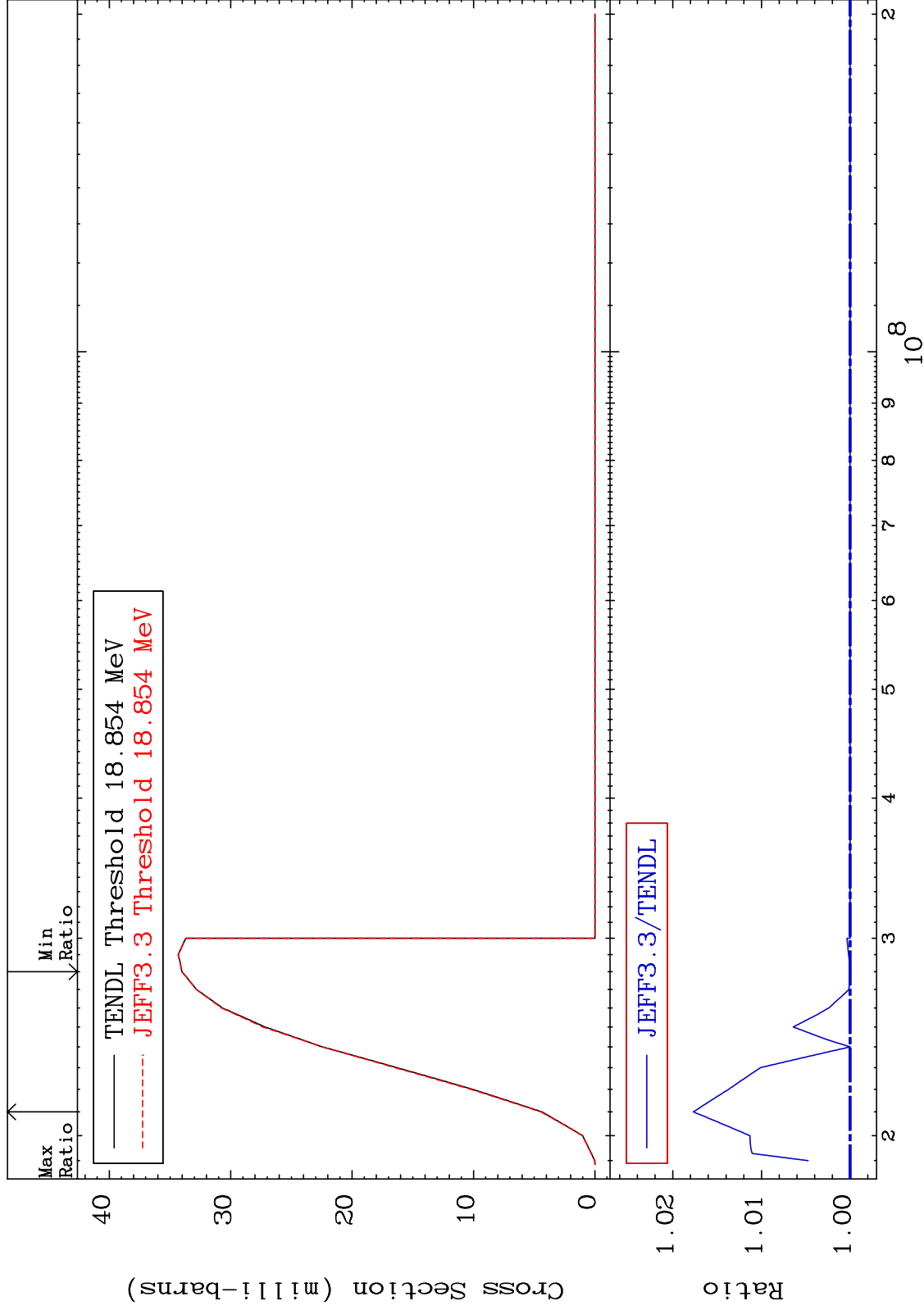


MAT 3640

(n,3n):36-Kr-81m2

36-Kr-83

Radionuclide Production Cross Section -0.003 To 1.768 %

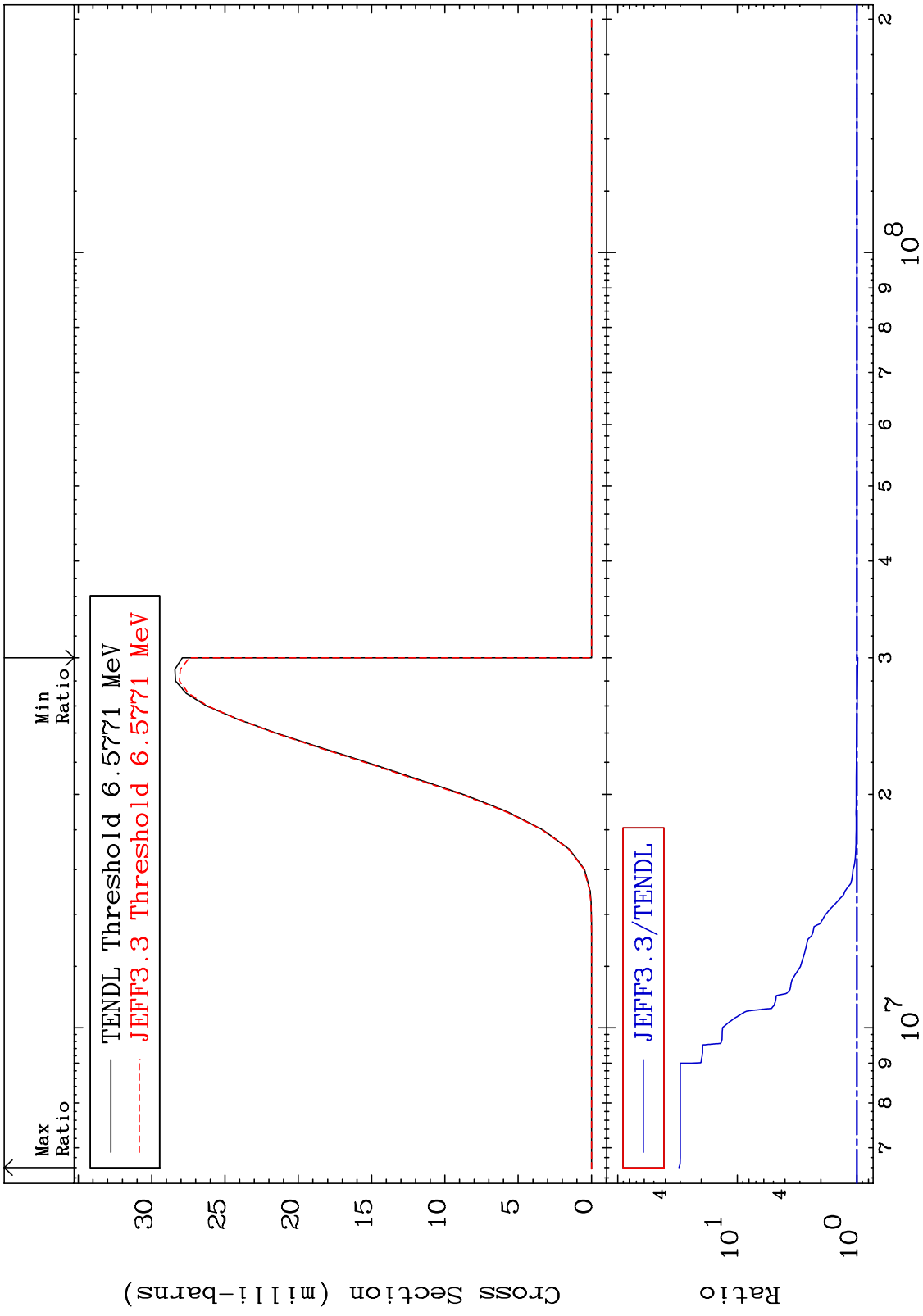


85

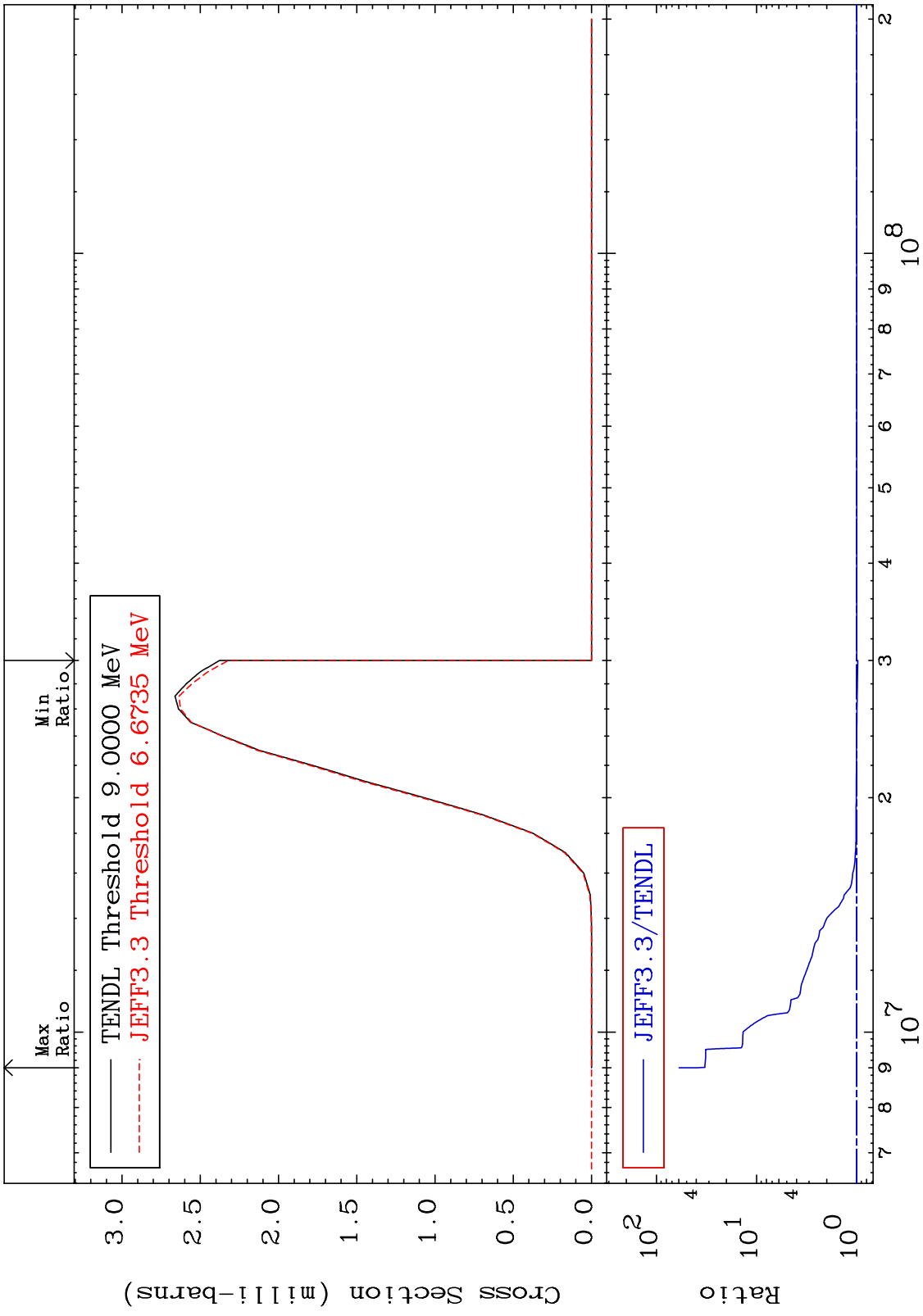
Incident Energy (eV)

36-Kr-83

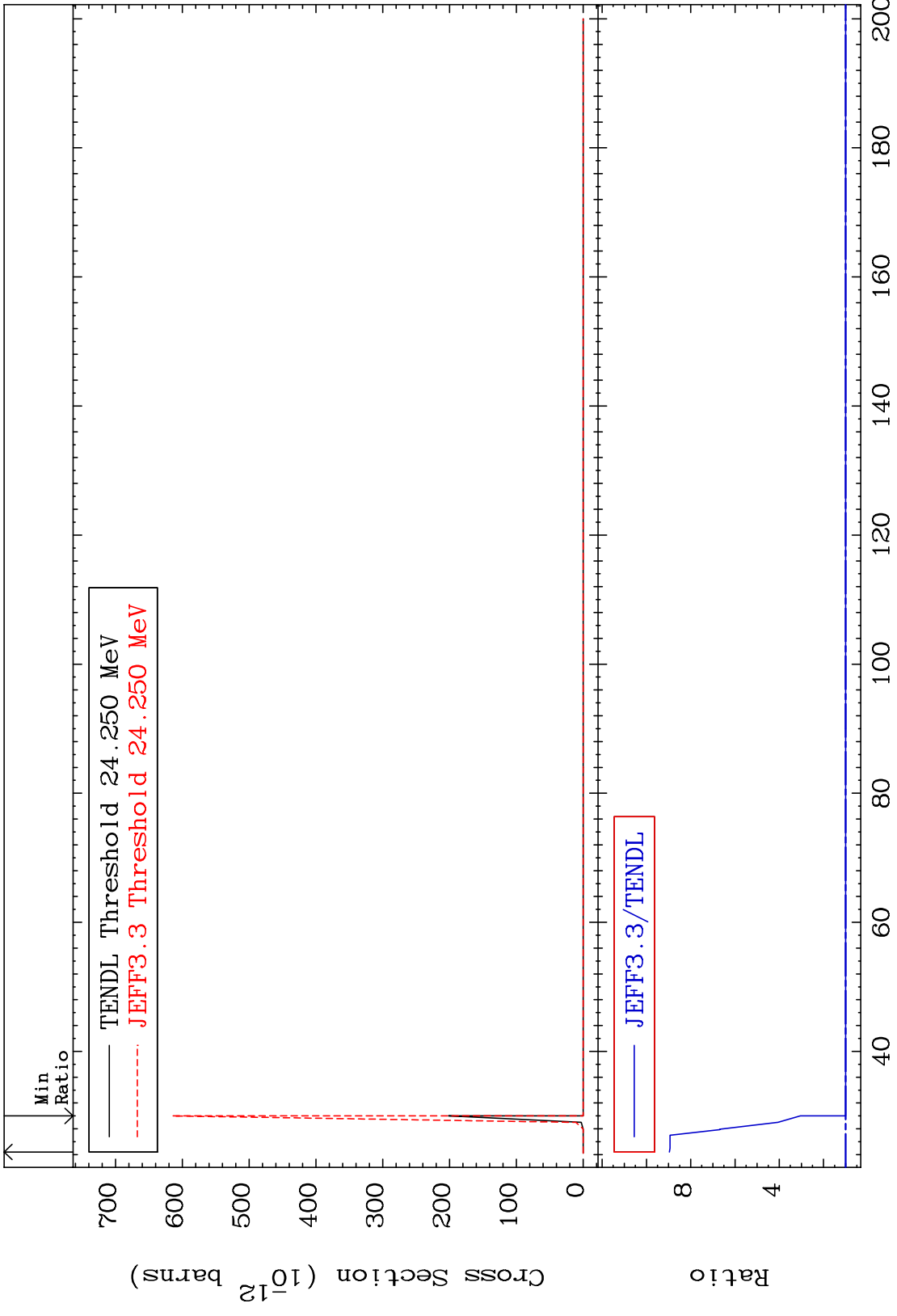
MAT 3640 (n, n') α : 34-Se-79g 36-Kr-83
 Radionuclide Production Cross Section -1.736 To 2974. %



MAT 3640 (n, n') α :34-Se-79m1 36-Kr-83
 Radionuclide Production Cross Section -2.370 To 5855. %



MAT 3640 (n,3n) α : 34-Se-77g 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 796.1 %

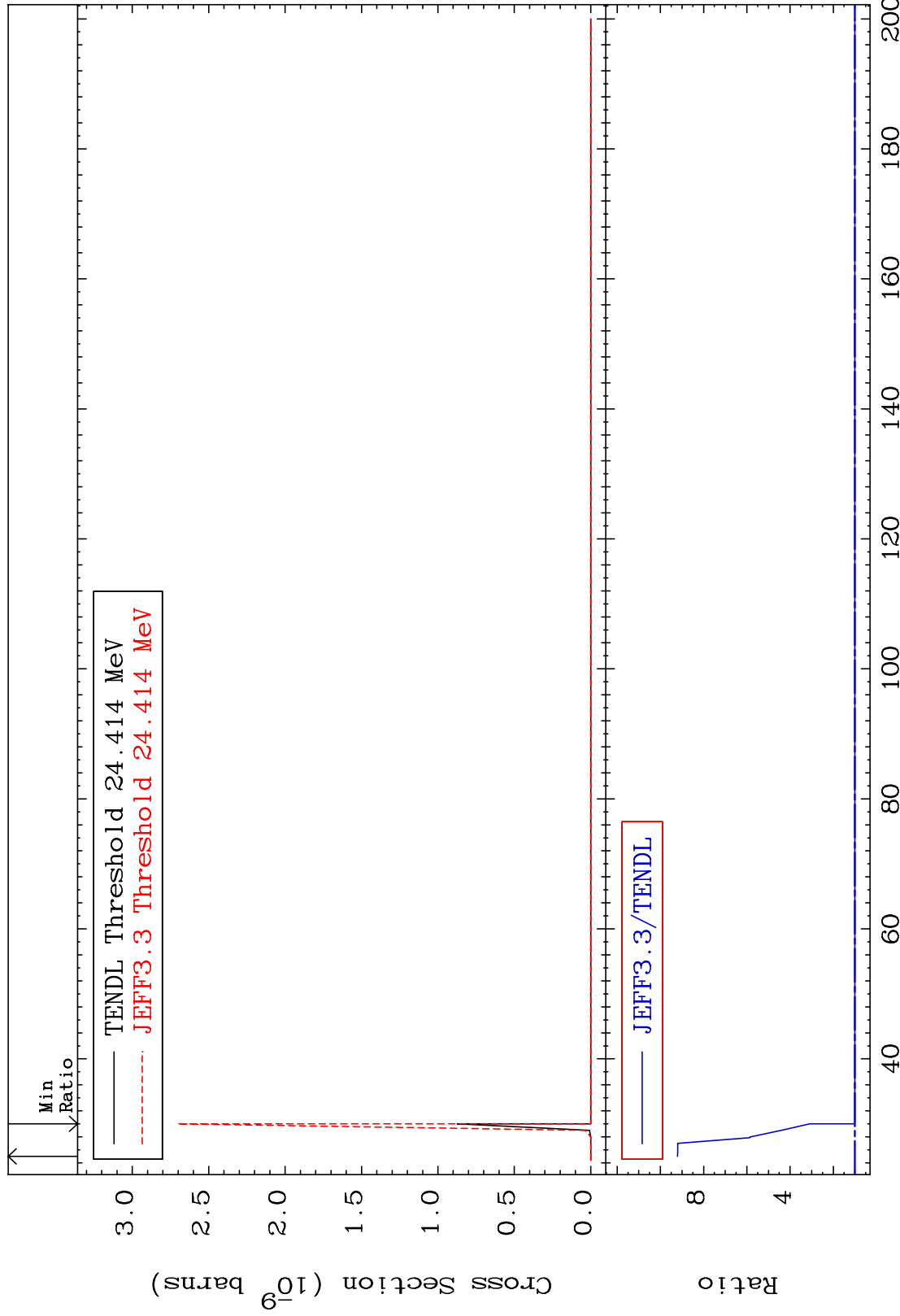


MAT 3640

(n,3n) α :34-Se-77m1

36-Kr-83

Radionuclide Production Cross Section 0.000 To 820.6 %



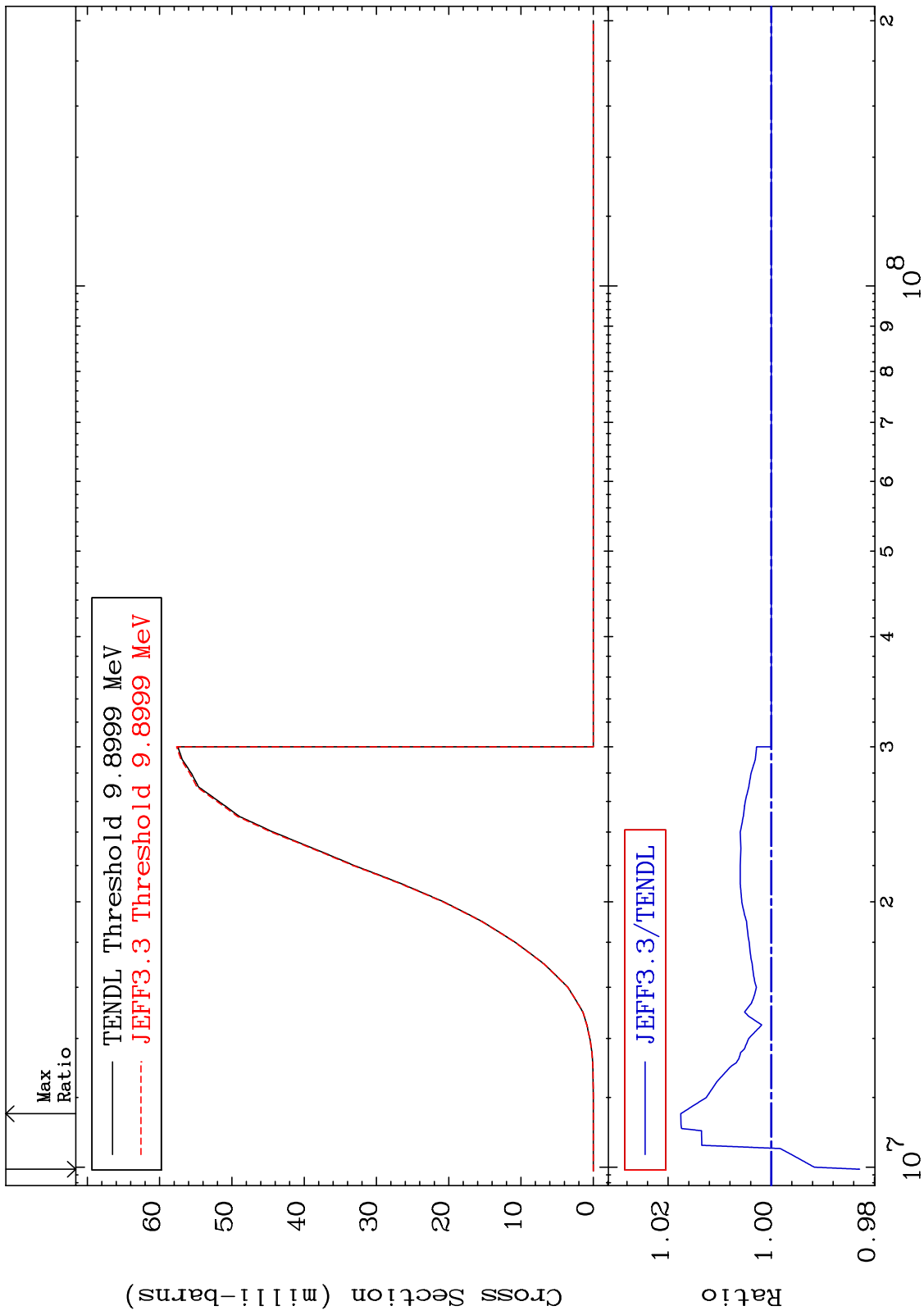
89

Incident Energy (MeV)

36-Kr-83

MAT 3640

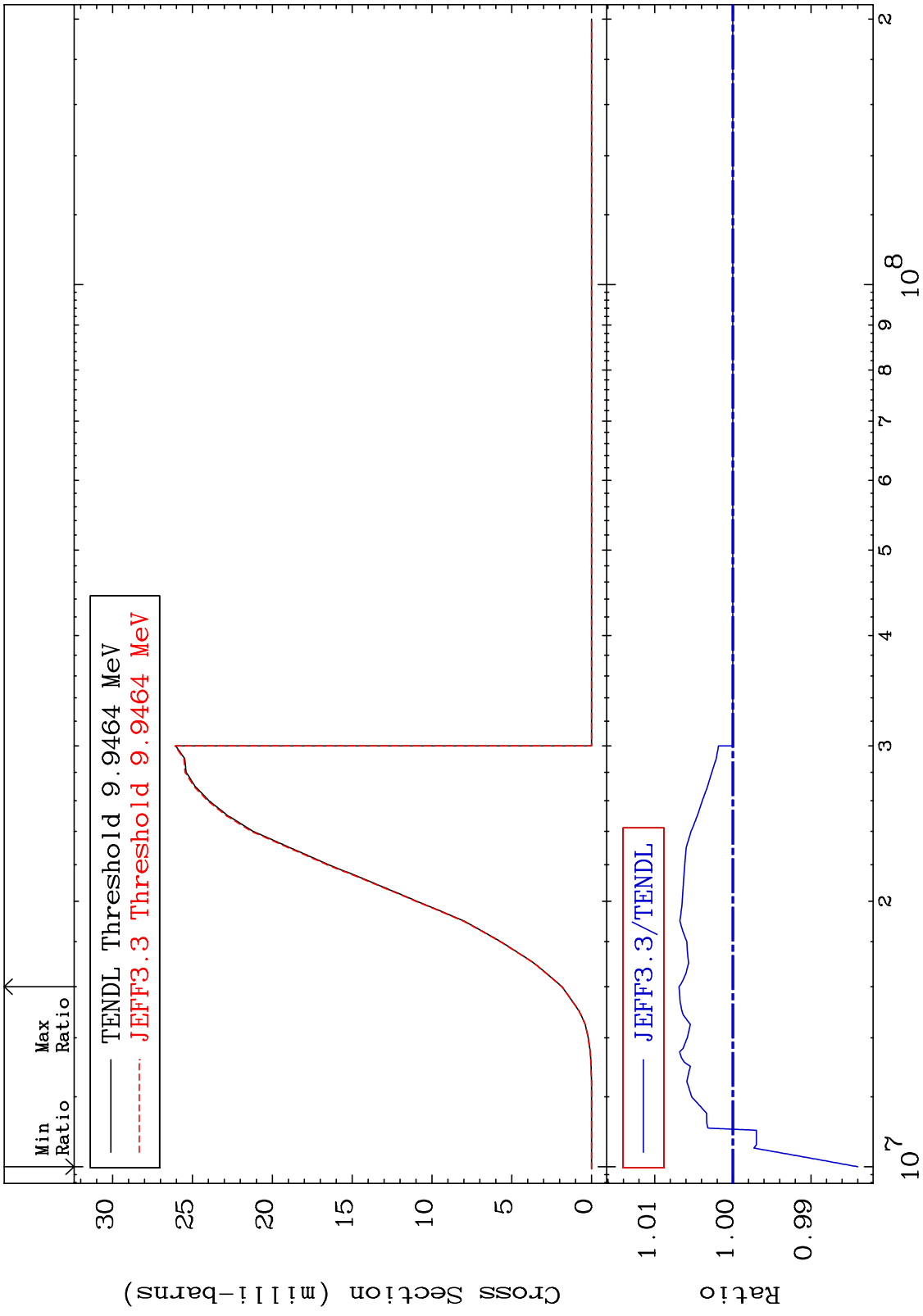
(n, n') p:35-Br-82g 36-Kr-83
Radionuclide Production Cross Section -1.714 To 1.754 %



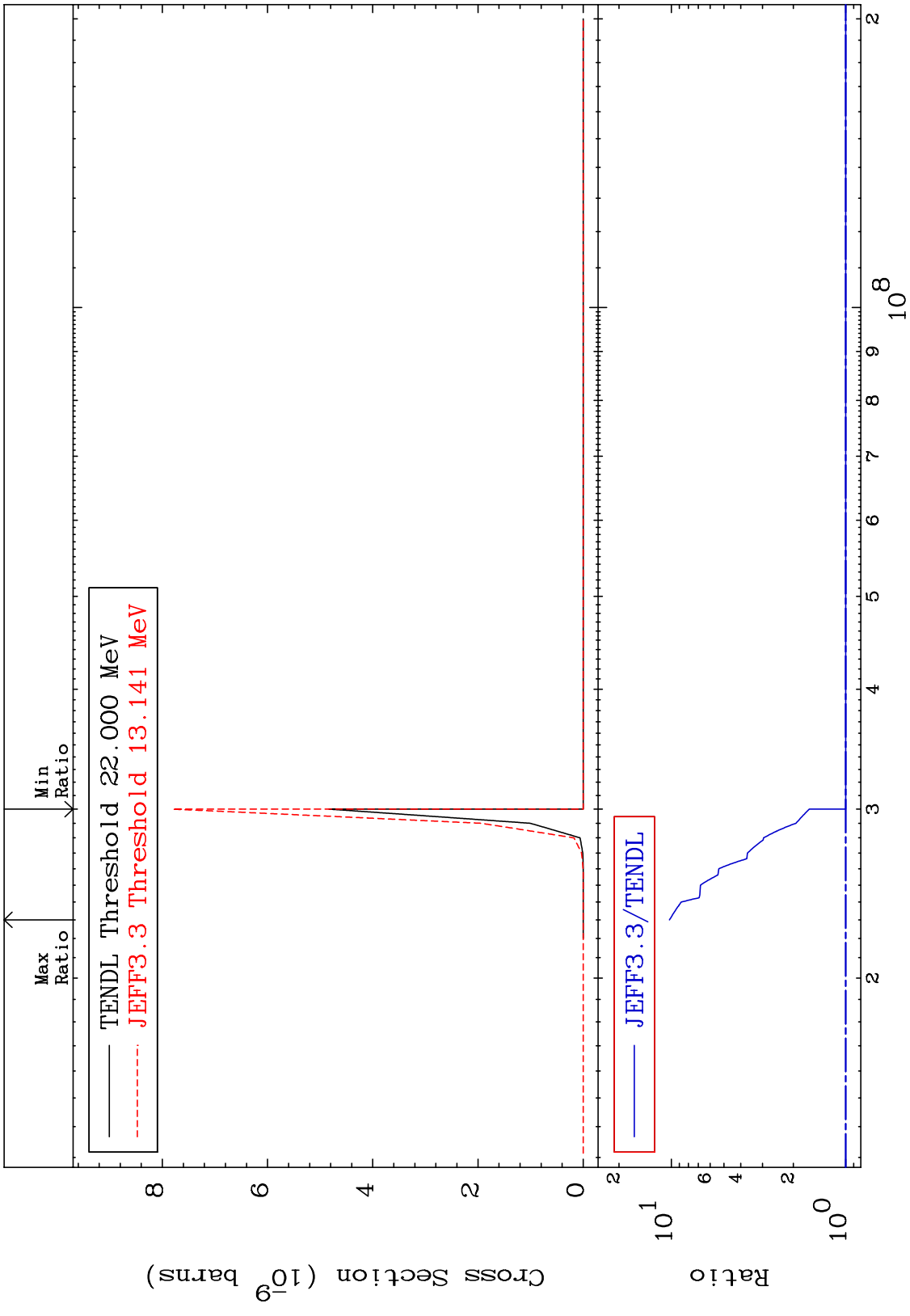
Incident Energy (eV)

36-Kr-83

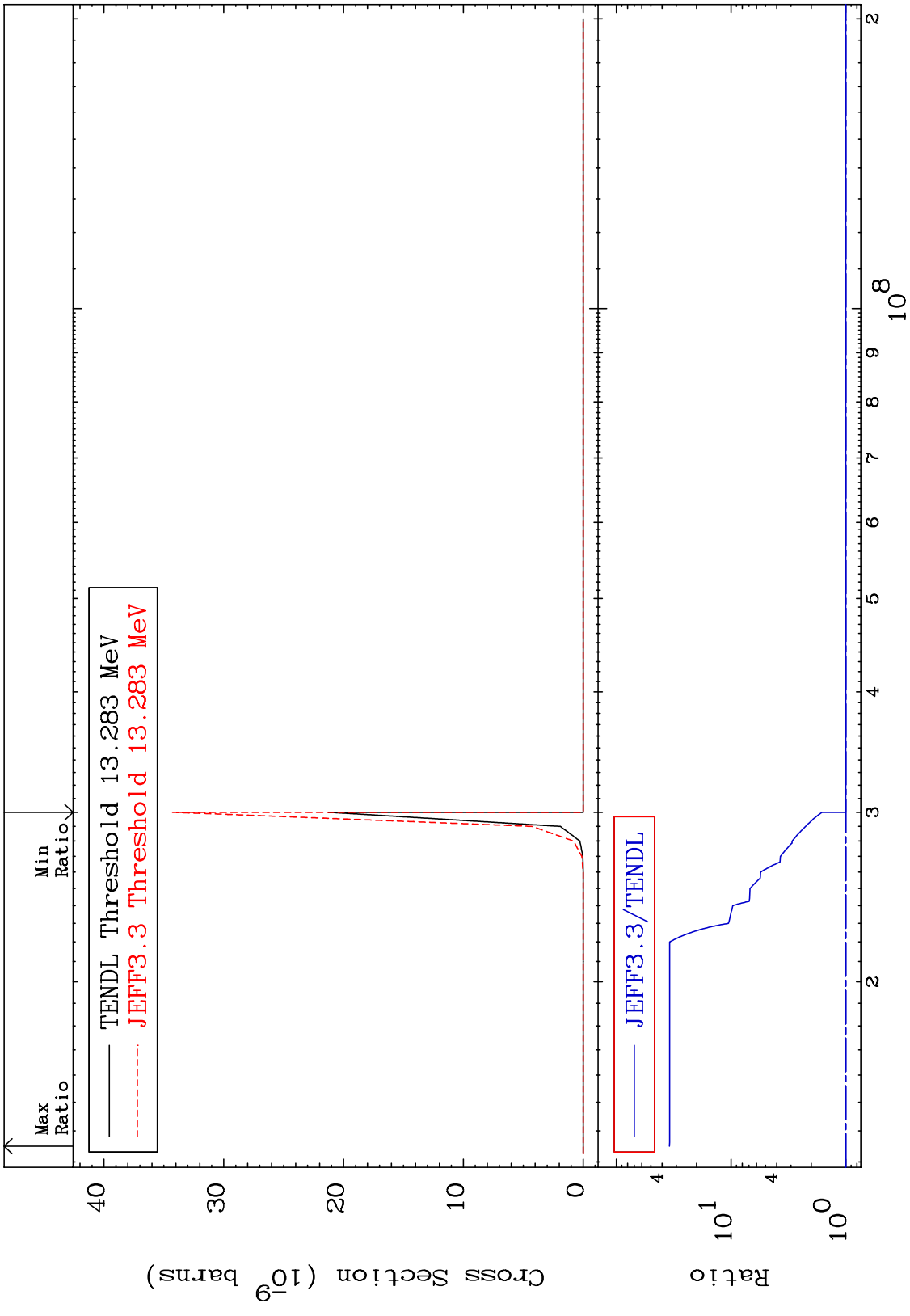
MAT 3640 (n,n') p:35-Br-82m1 36-Kr-83
 Radionuclide Production Cross Section -1.601 To 0.688 %



MAT 3640 (n, n') 2α:32-Ge-75g 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 925.4 %

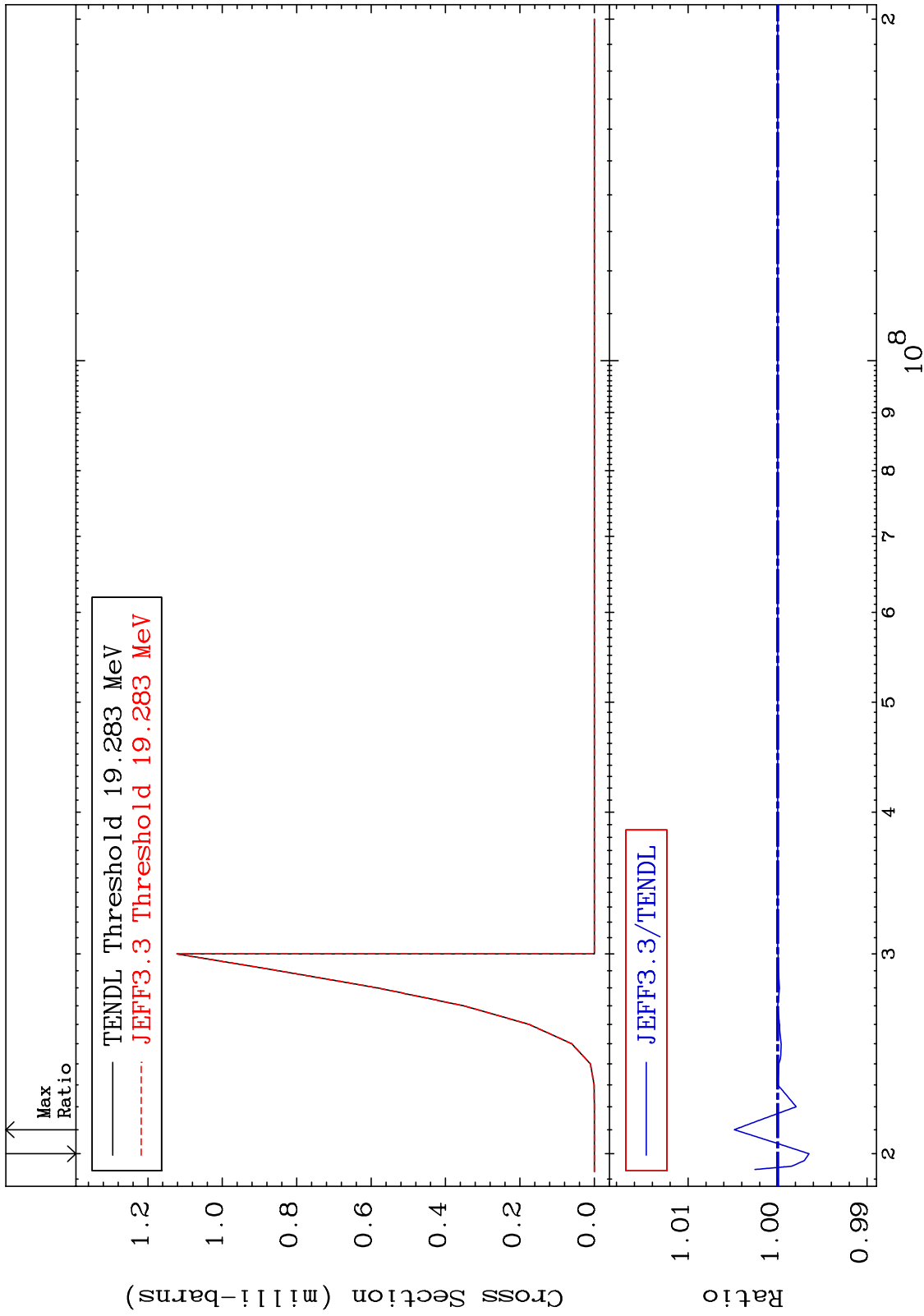


MAT 3640 (n,n') 2α:32-Ge-75m2 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 3346. %



MAT 3640

(n, n') t: 35-Br-80g 36-Kr-83
Radionuclide Production Cross Section -0.350 To 0.484 %

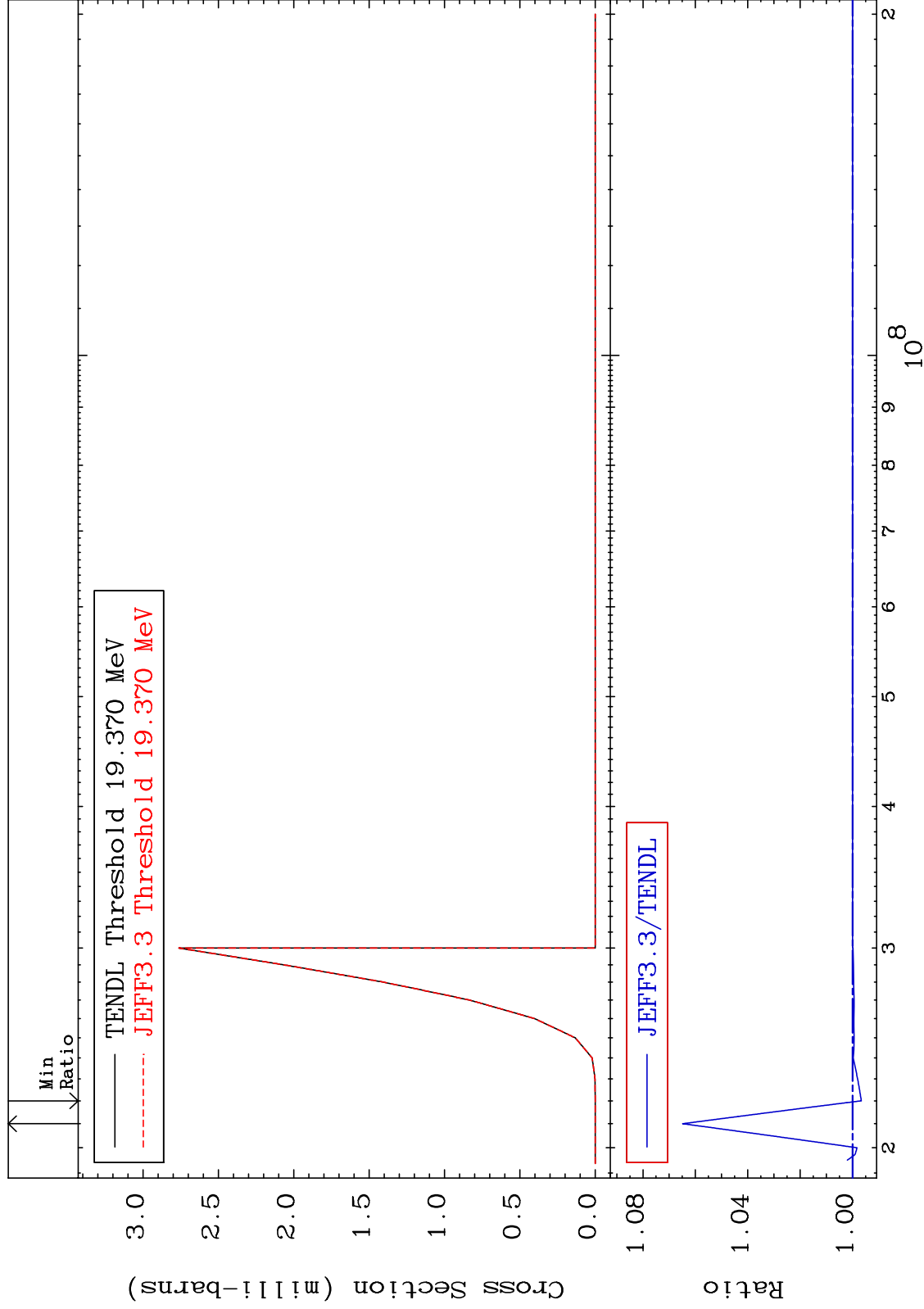


MAT 3640

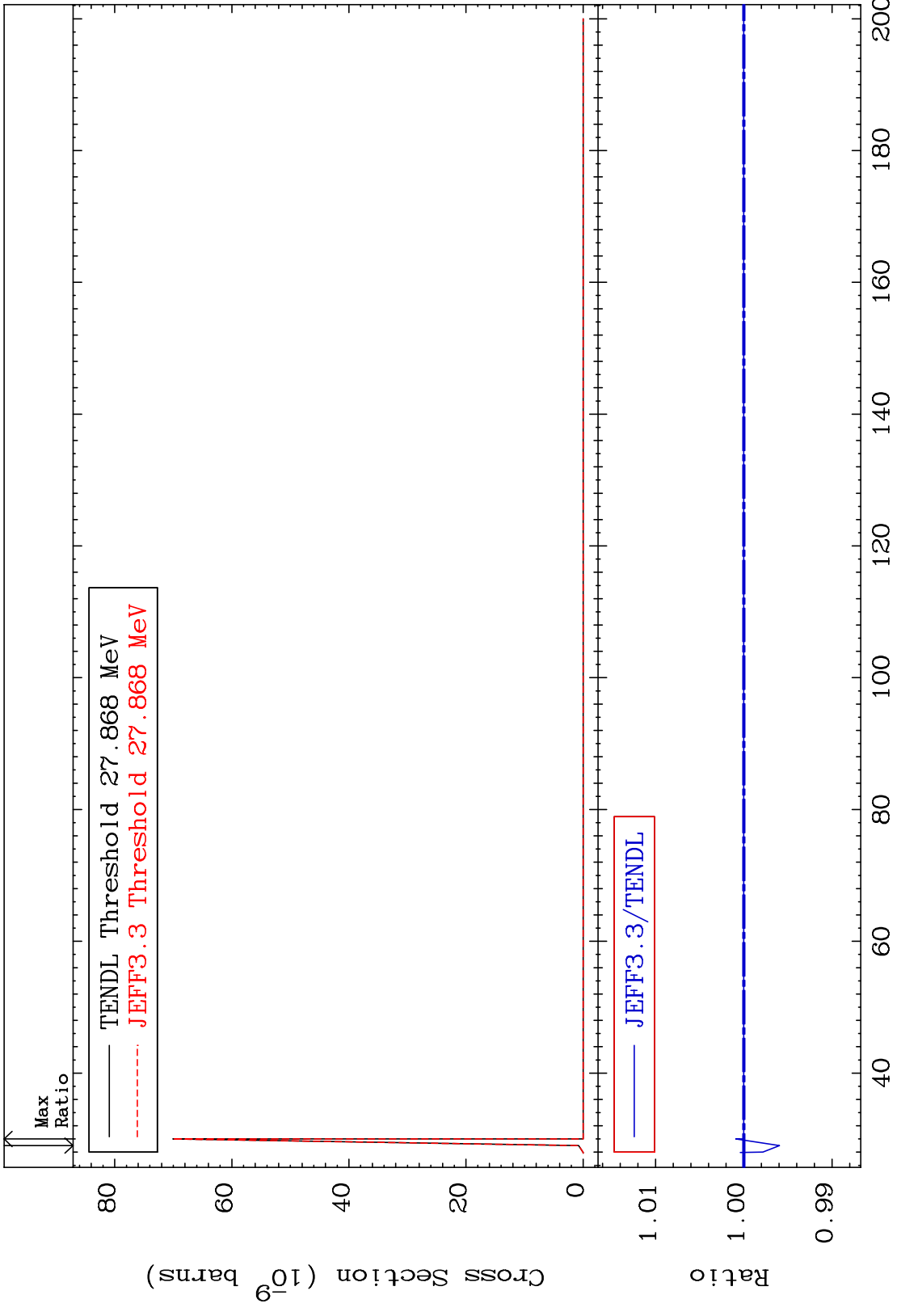
(n, n') t:35-Br-80m2

36-Kr-83

Radionuclide Production Cross Section -0.338 To 6.484 %



MAT 3640 (n,3n) p:35-Br-80g 36-Kr-83
 Radionuclide Production Cross Section -0.404 To 0.092 %

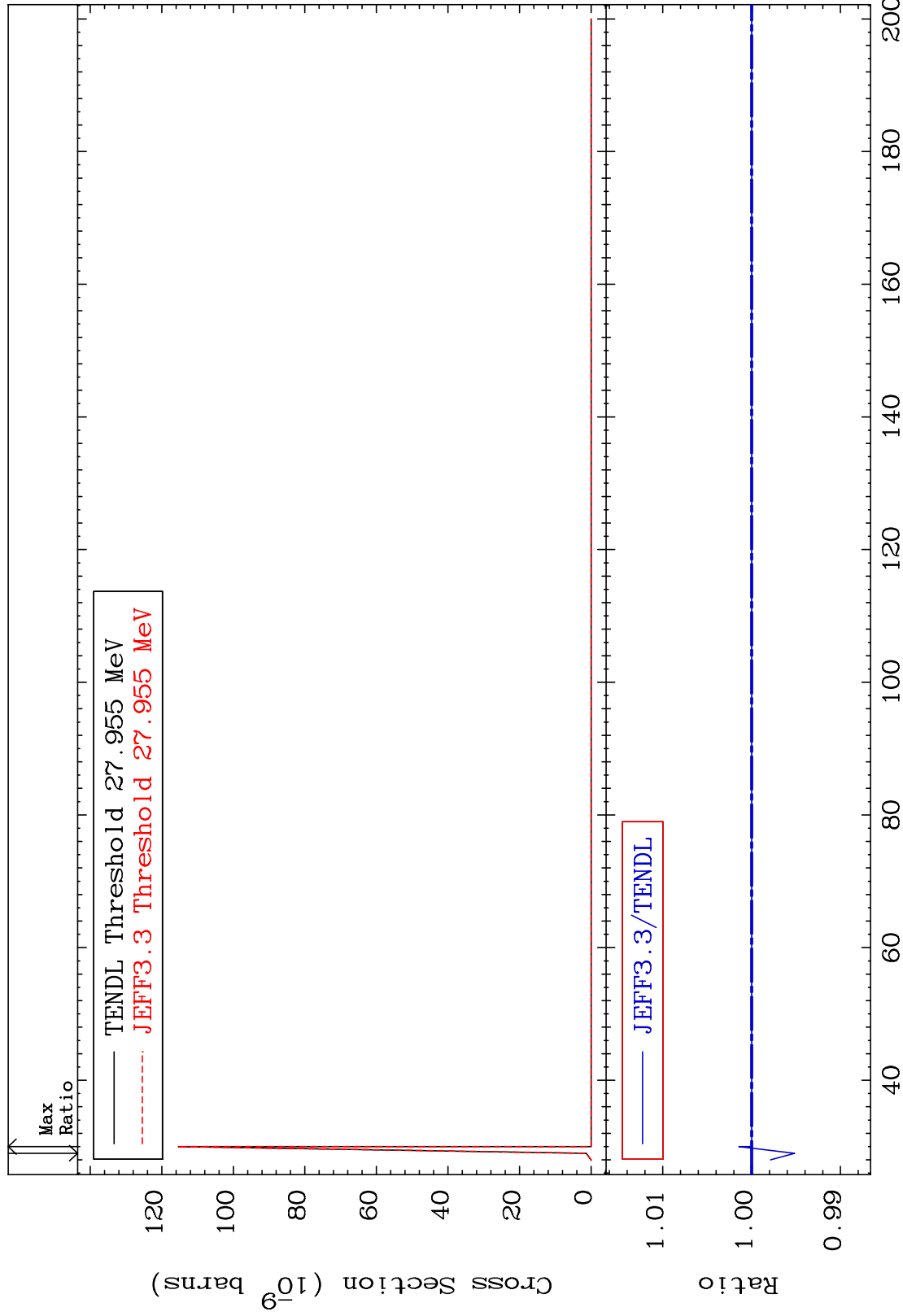


MAT 3640

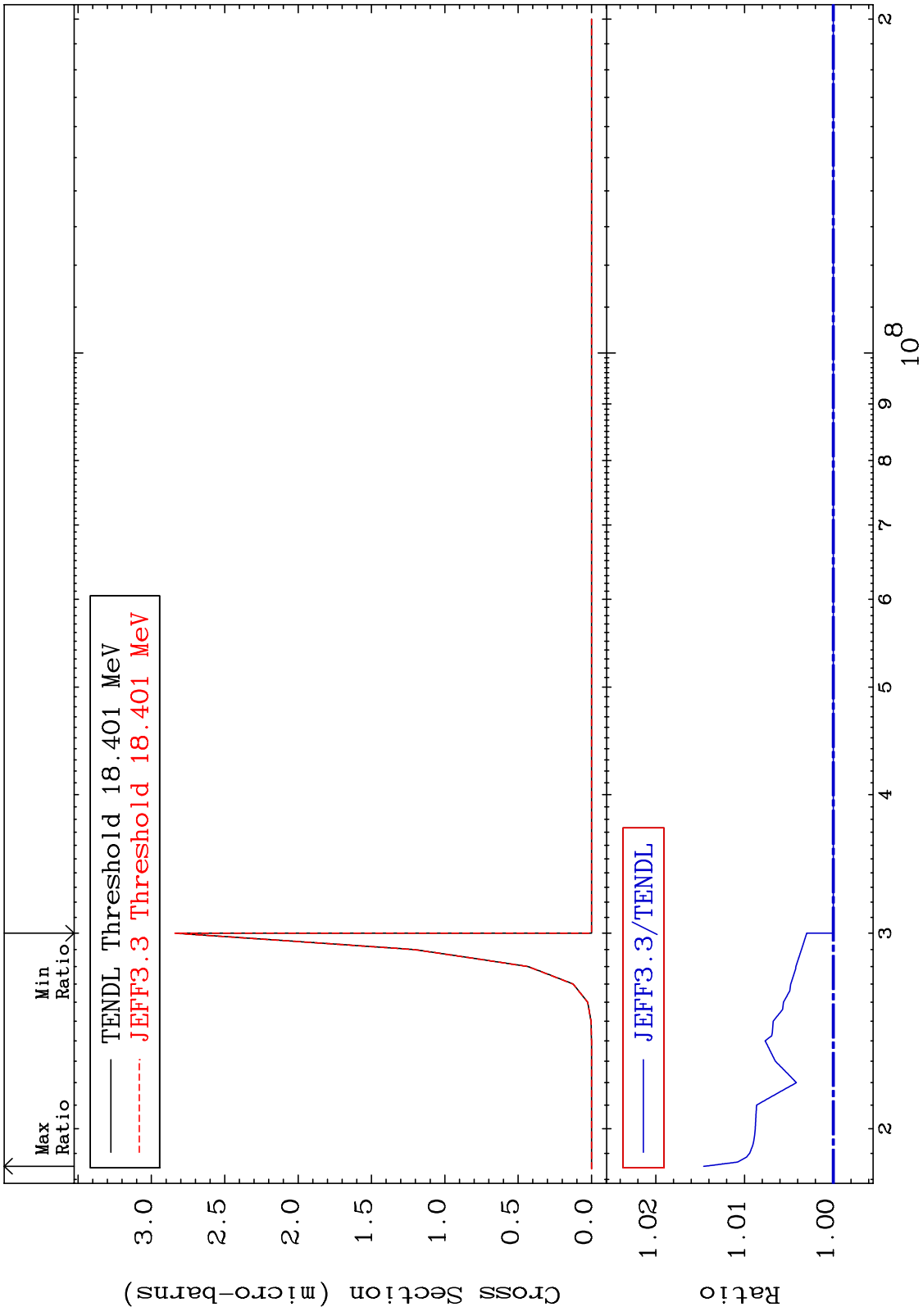
(n,3n) p:35-Br-80m2

36-Kr-83

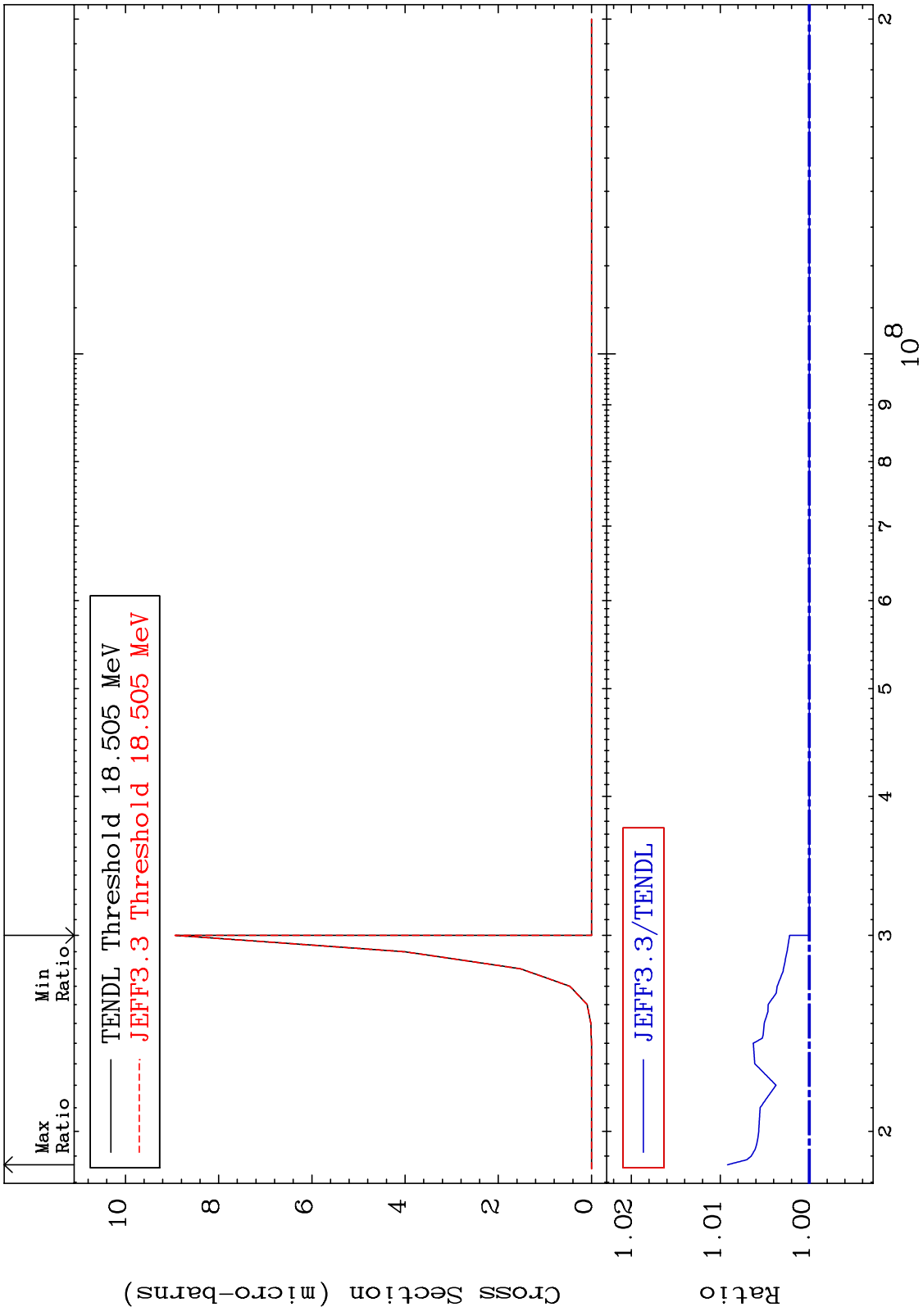
Radionuclide Production Cross Section -0.484 To 0.145 %



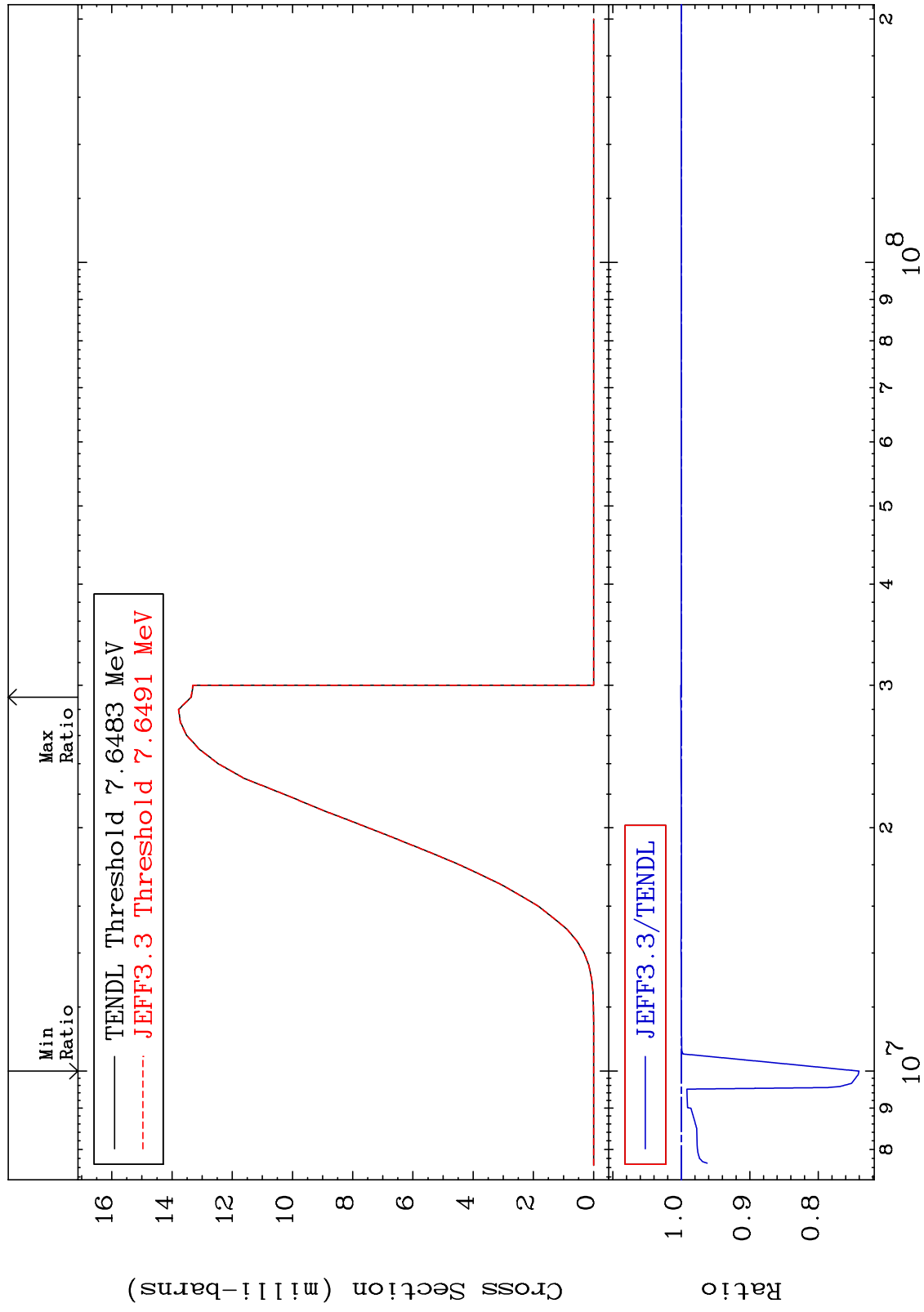
MAT 3640 (n,2n) p:34-Se-81g 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 1.460 %



MAT 3640 (n,2n) p:34-Se-81m1 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 0.918 %



MAT 3640 (n,d):35-Br-82g 36-Kr-83
Radionuclide Production Cross Section -25.96 To 0.068 %



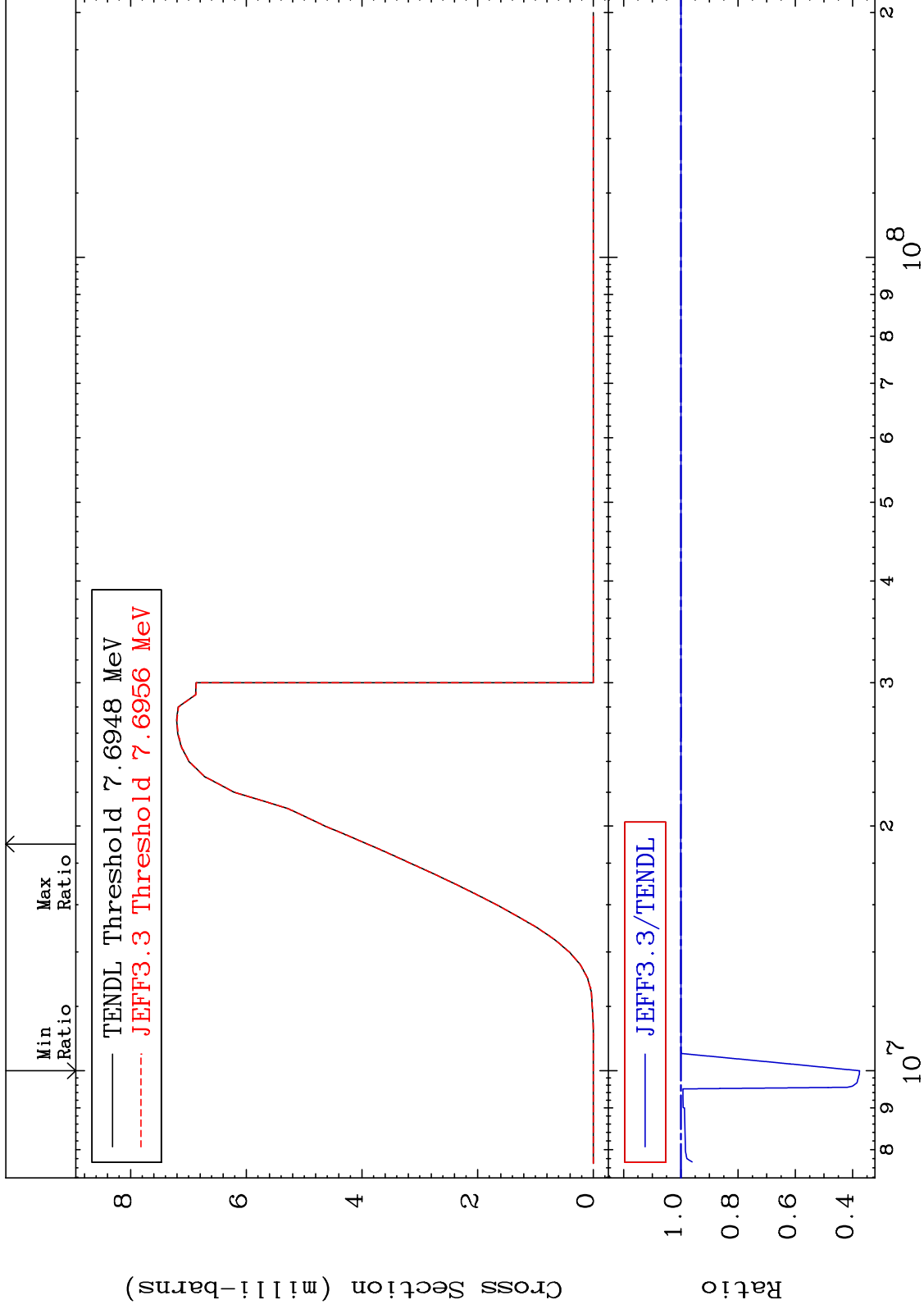
100 36-Kr-83

MAT 3640

(n,d):35-Br-82m1

36-Kr-83

Radionuclide Production Cross Section -62.45 To 0.019 %

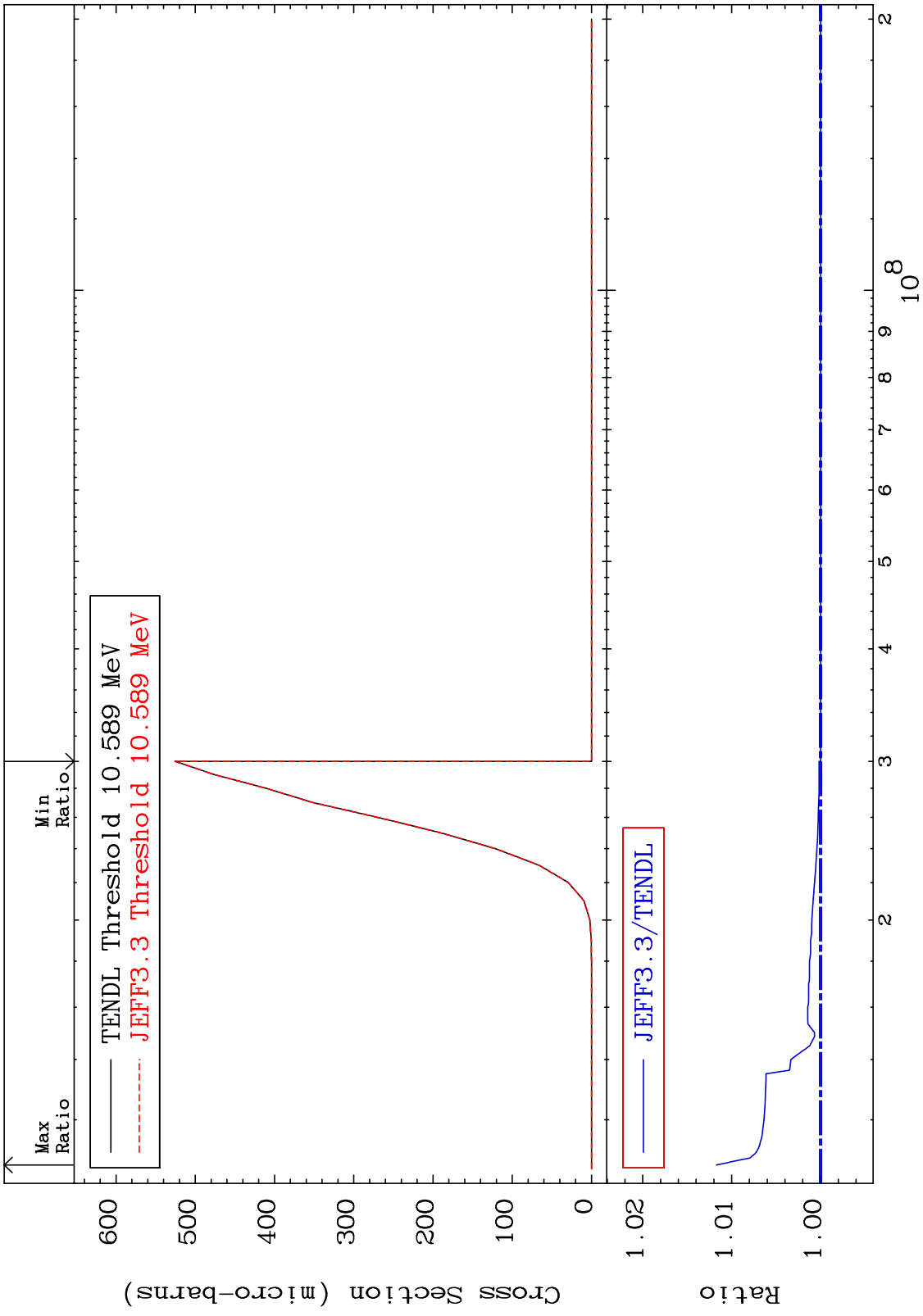


101

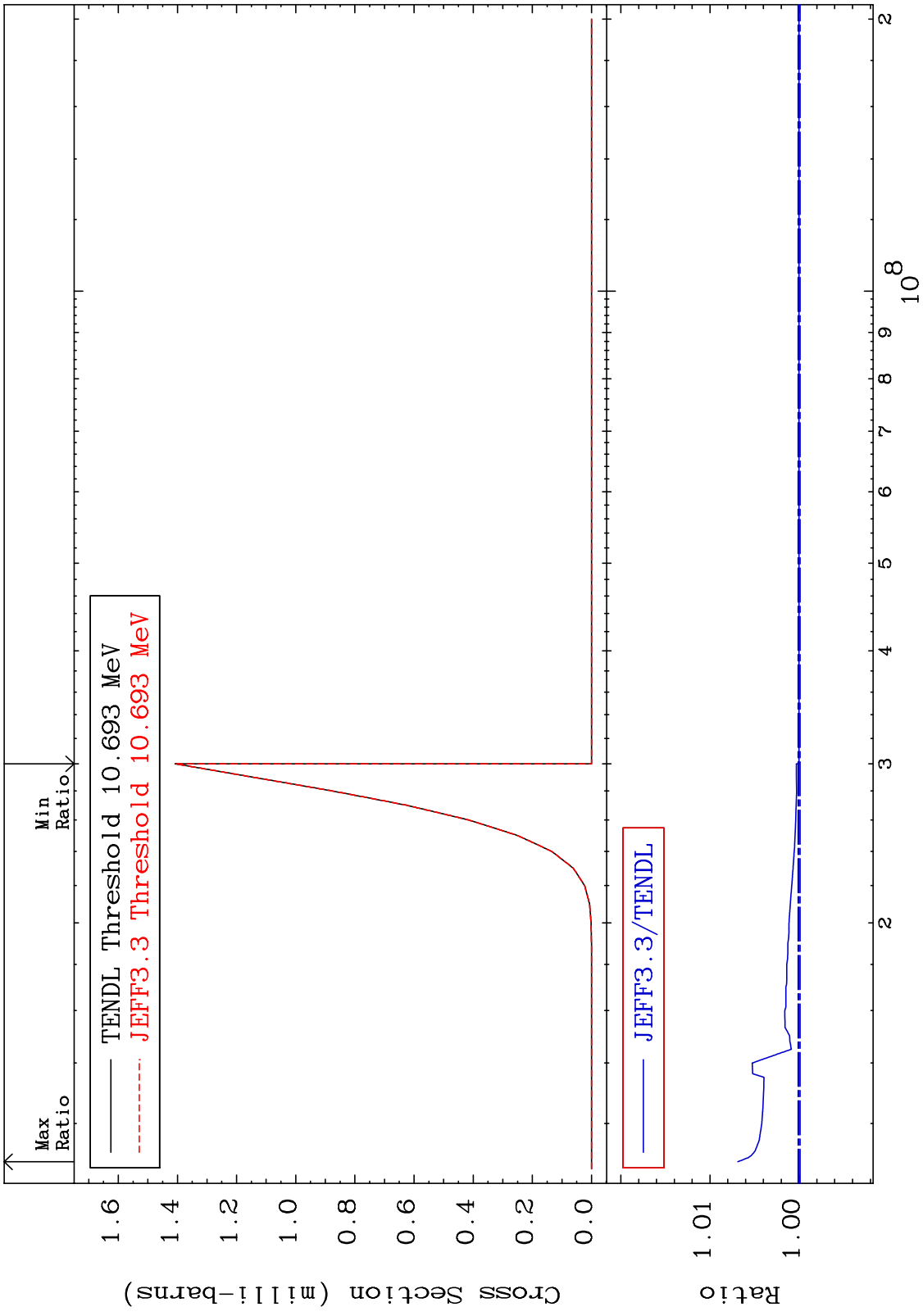
Incident Energy (eV)

36-Kr-83

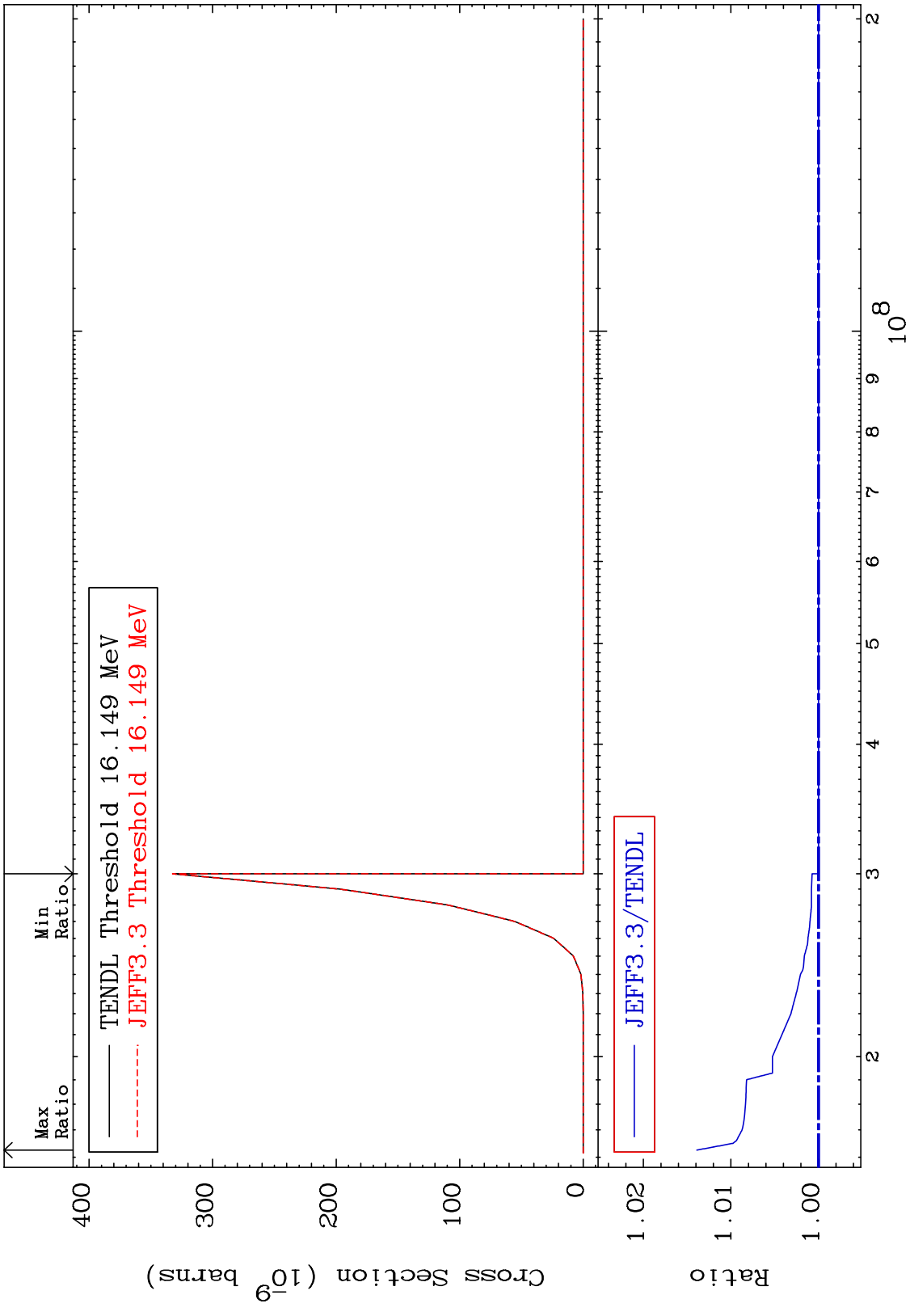
MAT 3640 (n,He-3):34-Se-81g 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 1.172 %



MAT 3640 (n, He-3) : 34-Se-81m1 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 0.688 %



MAT 3640 (n,p) d:34-Se-81g 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 1.390 %



MAT 3640 (n,p) d:34-Se-81m1 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 1.148 %

