

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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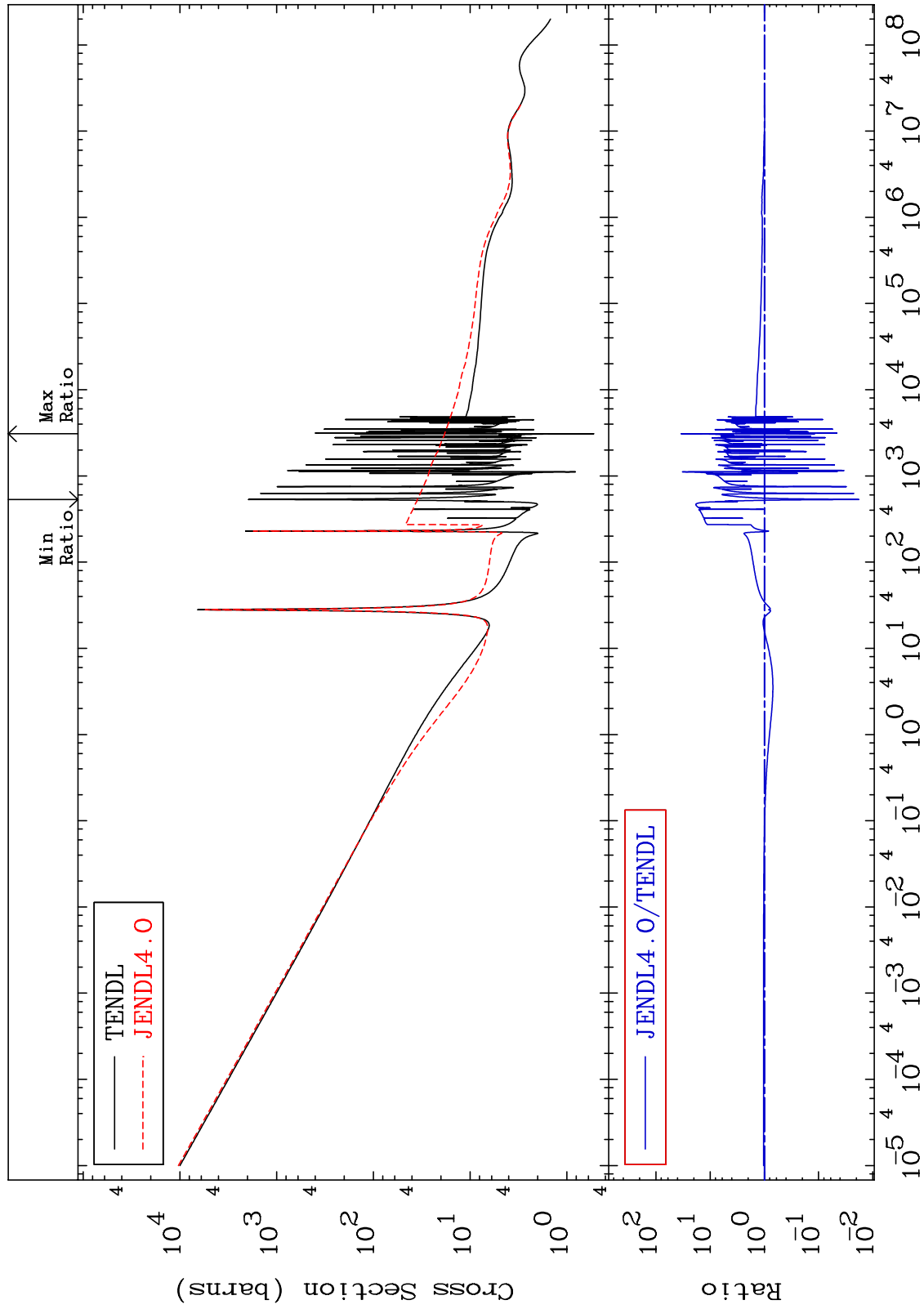
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3640 Total Cross Section 36-Kr-83 -98.21 To 3365. %



36-Kr-83

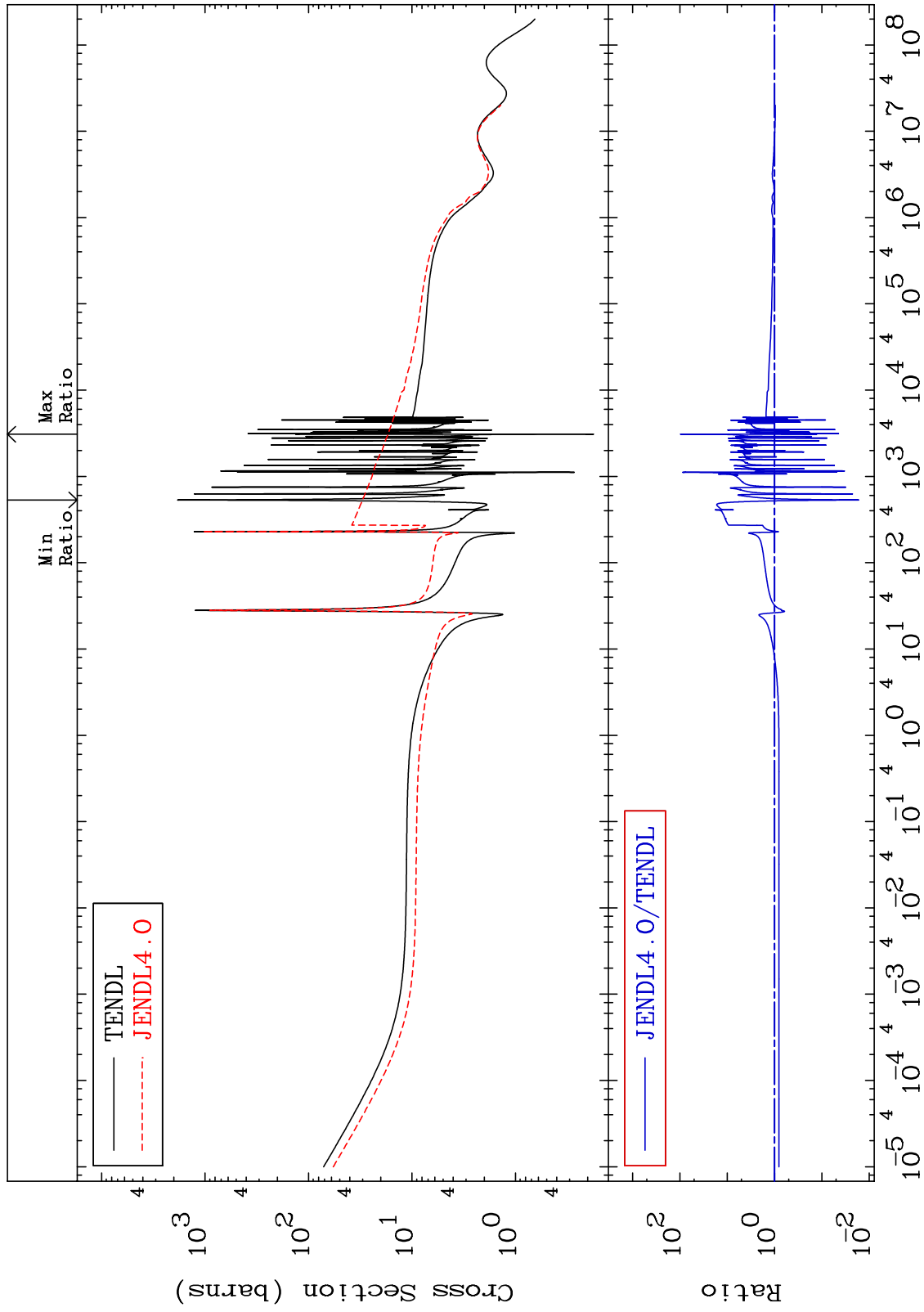
Incident Energy (eV)

1

MAT 3640

Elastic
Cross Section

36-Kr-83
-98.36 To 9536. %

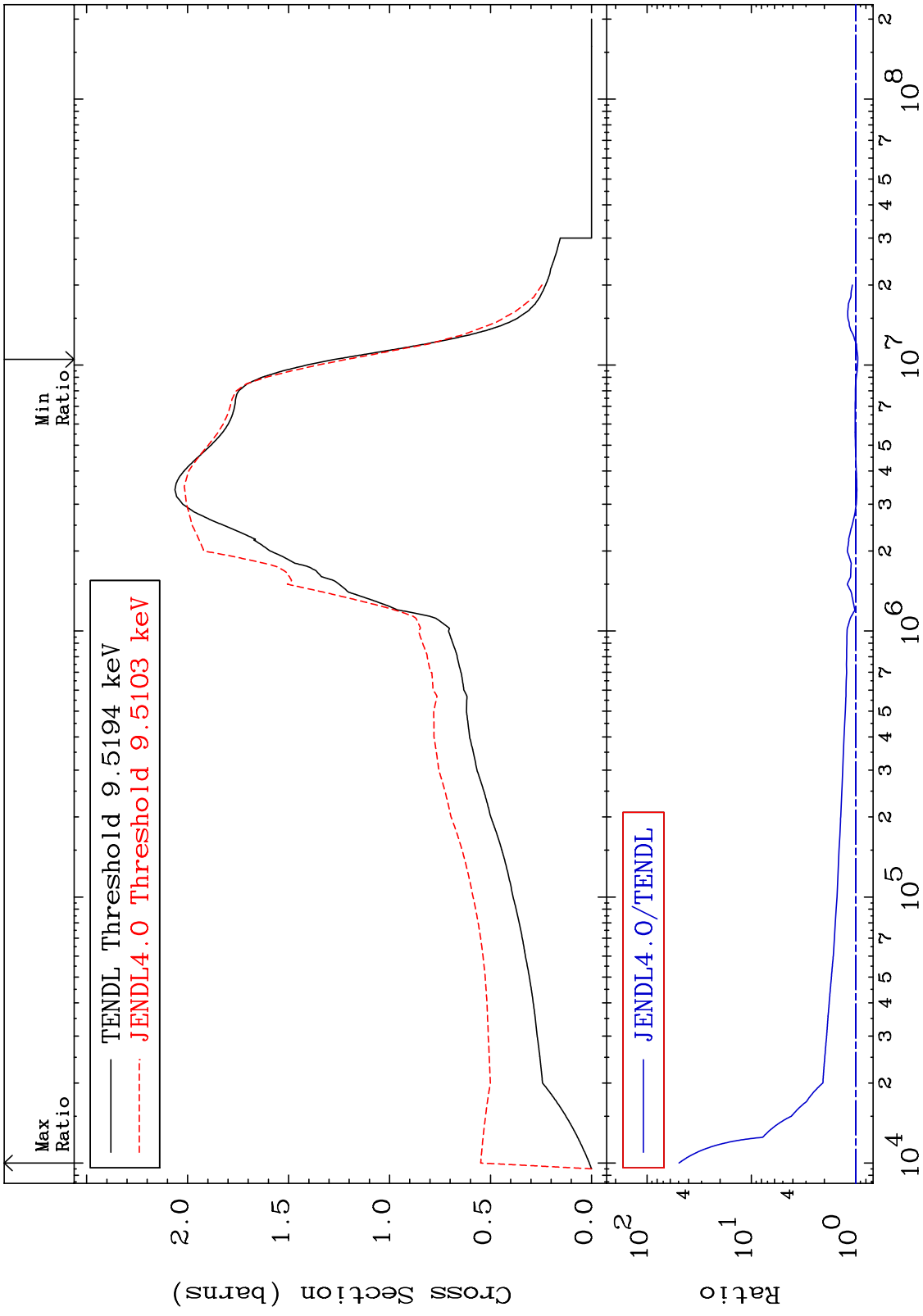


2

Incident Energy (eV)

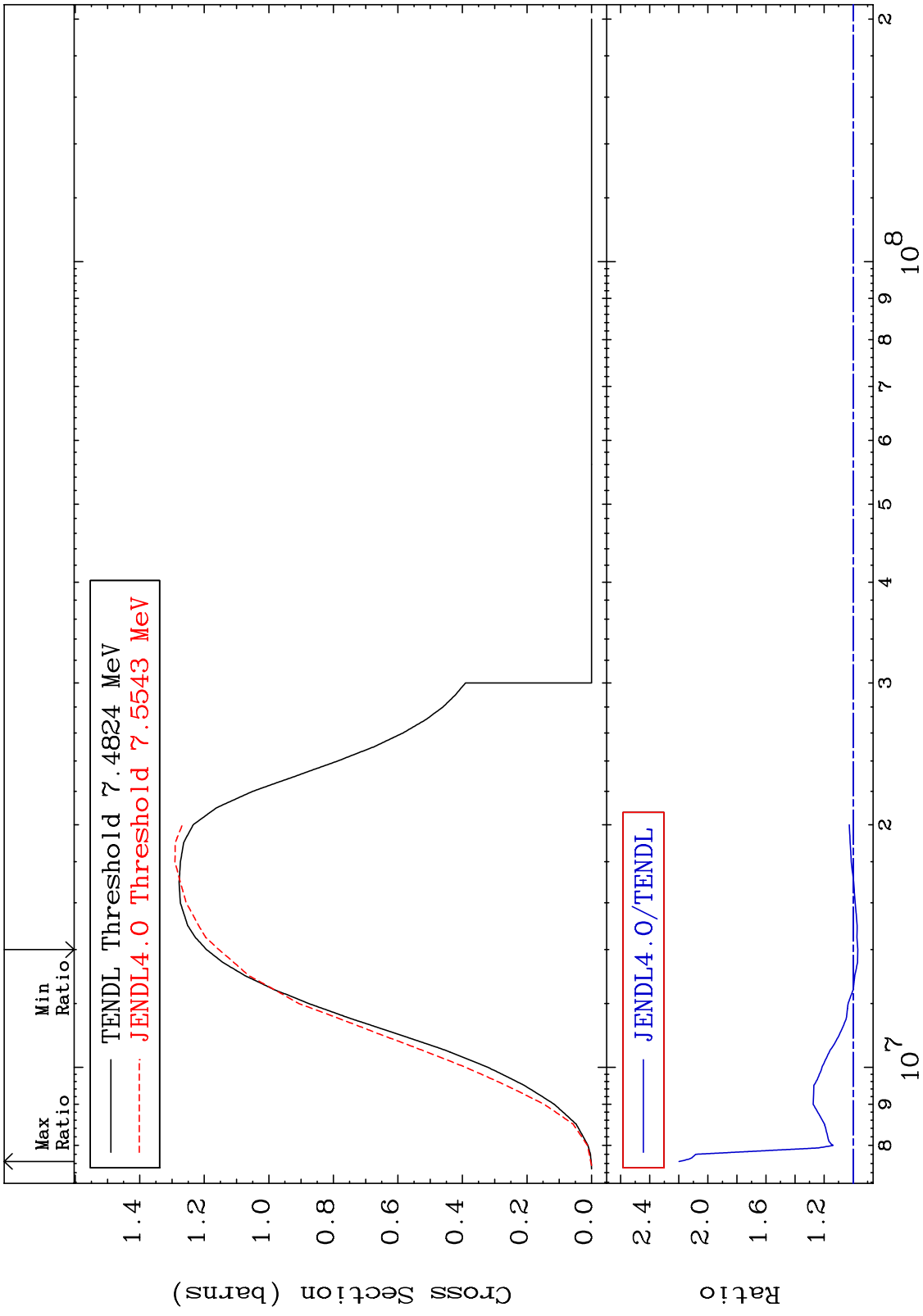
36-Kr-83

MAT 3640 Inelastic Cross Section 36-Kr-83 -4.521 To 4834. %

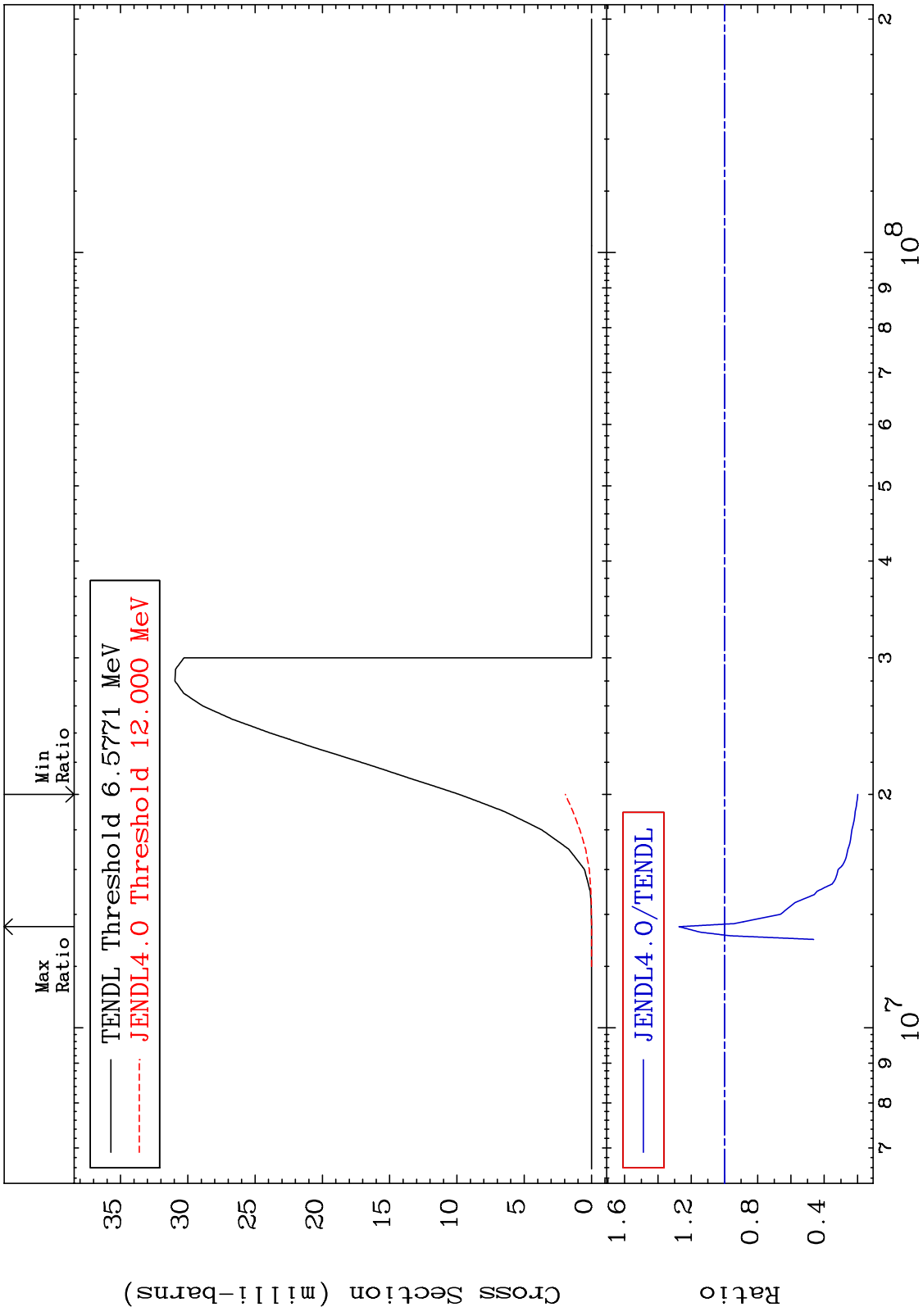


36-Kr-83

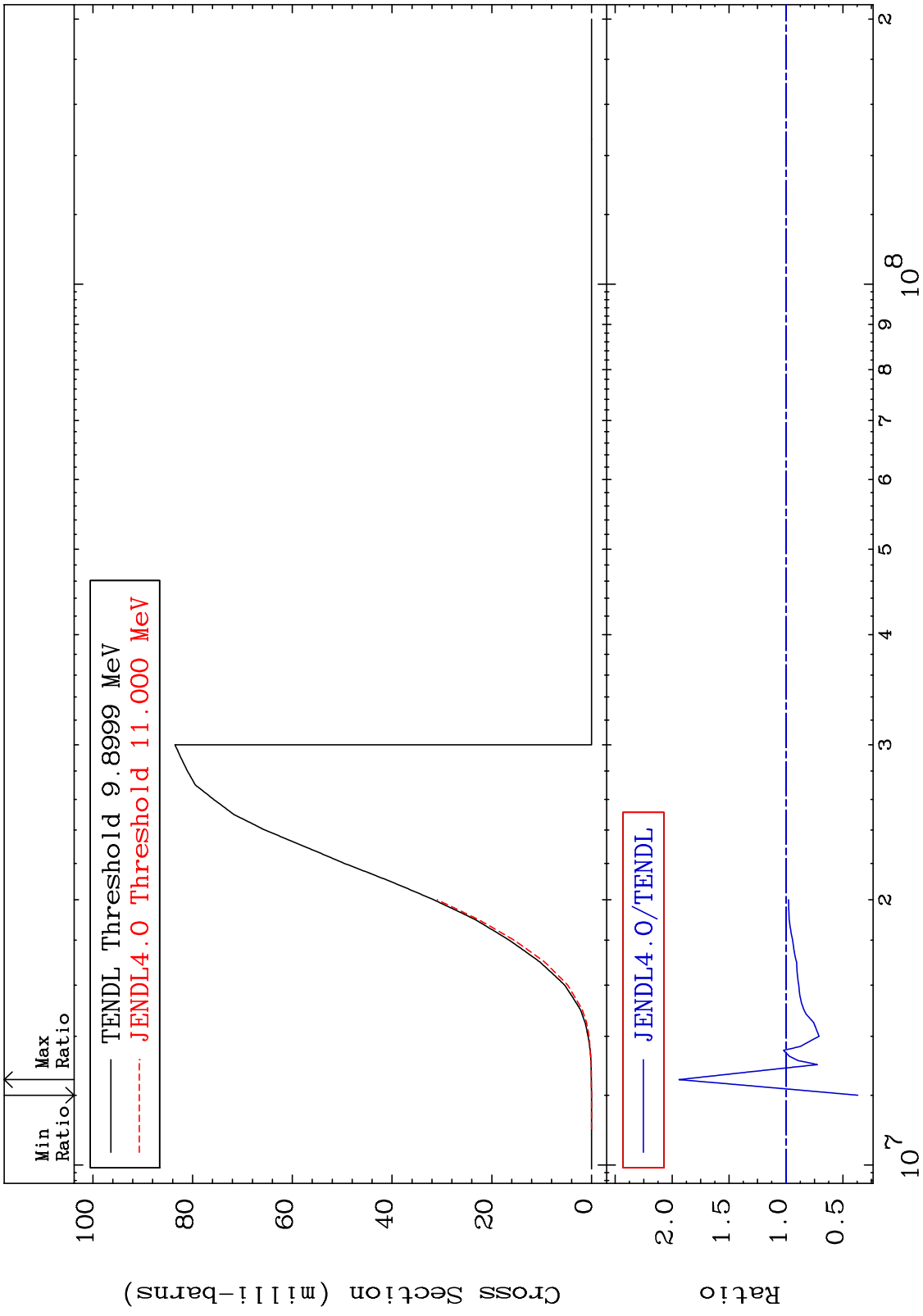
MAT 3640 (n,2n) Cross Section 36-Kr-83 -3.206 To 119.8 %



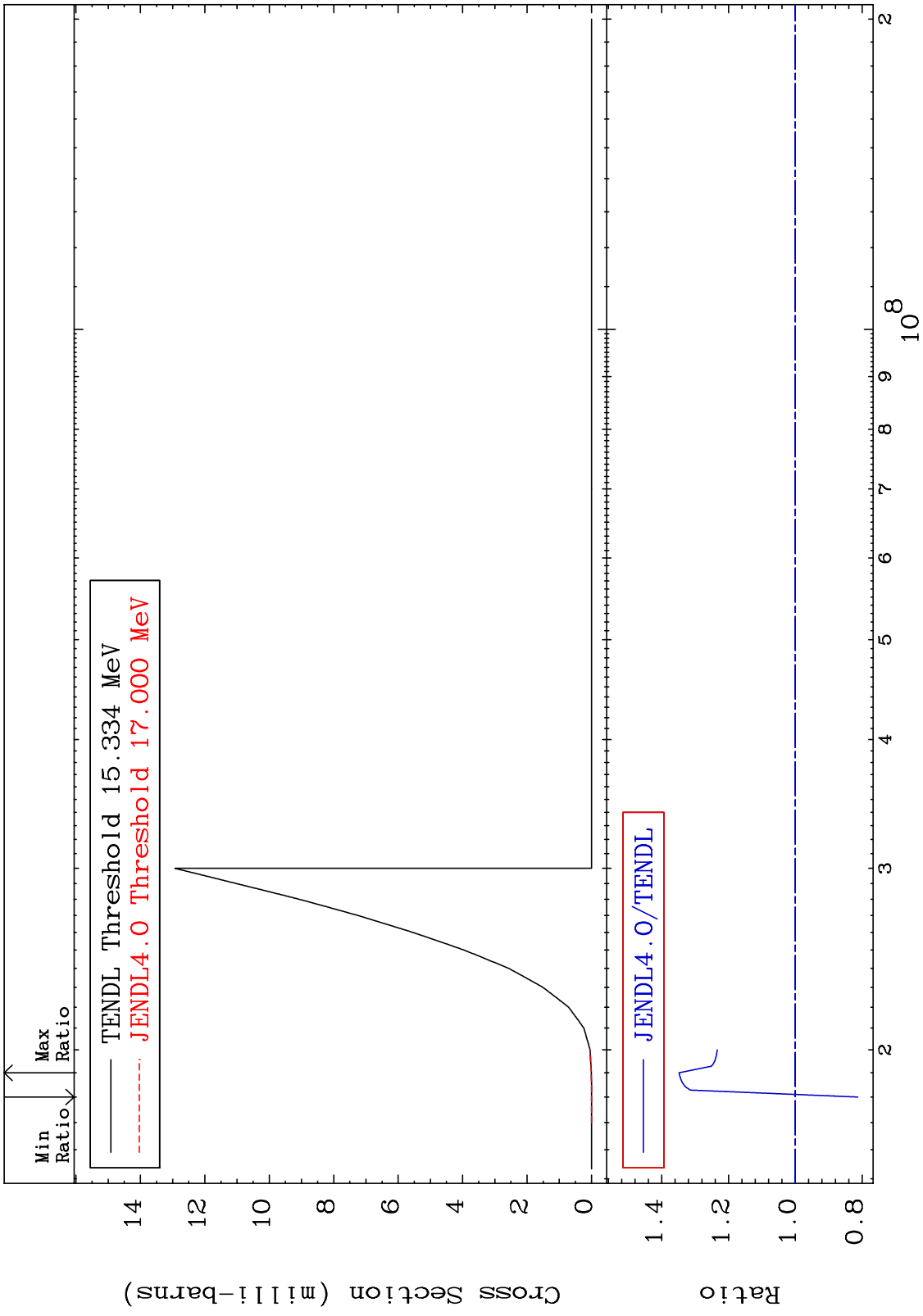
MAT 3640 $(n, n') \alpha$ Cross Section $^{36}\text{Kr-83}$
 -80.21 To 27.29 %



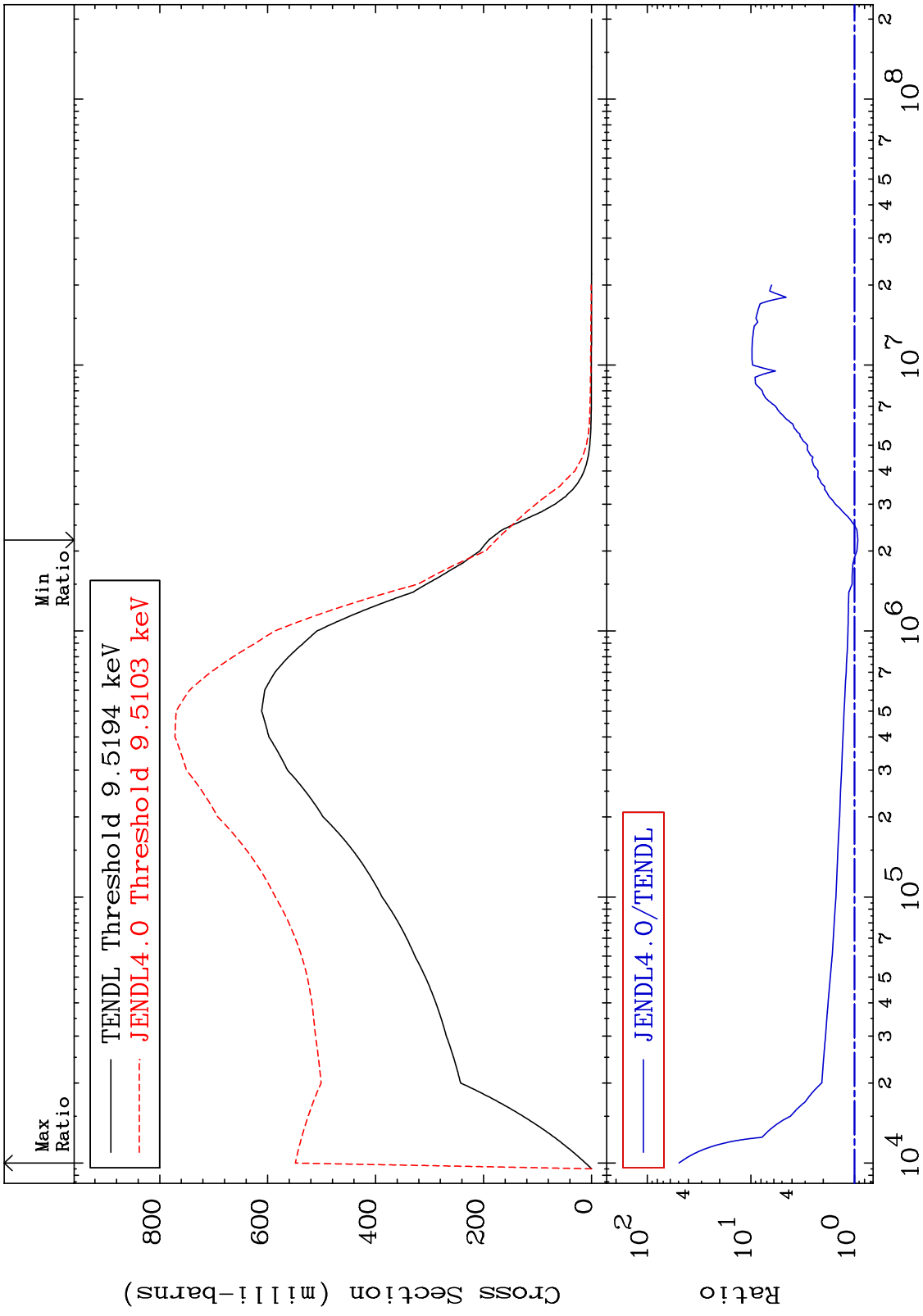
MAT 3640 (n,n') p 36-Kr-83
Cross Section -63.11 To 93.94 %



36-Kr-83

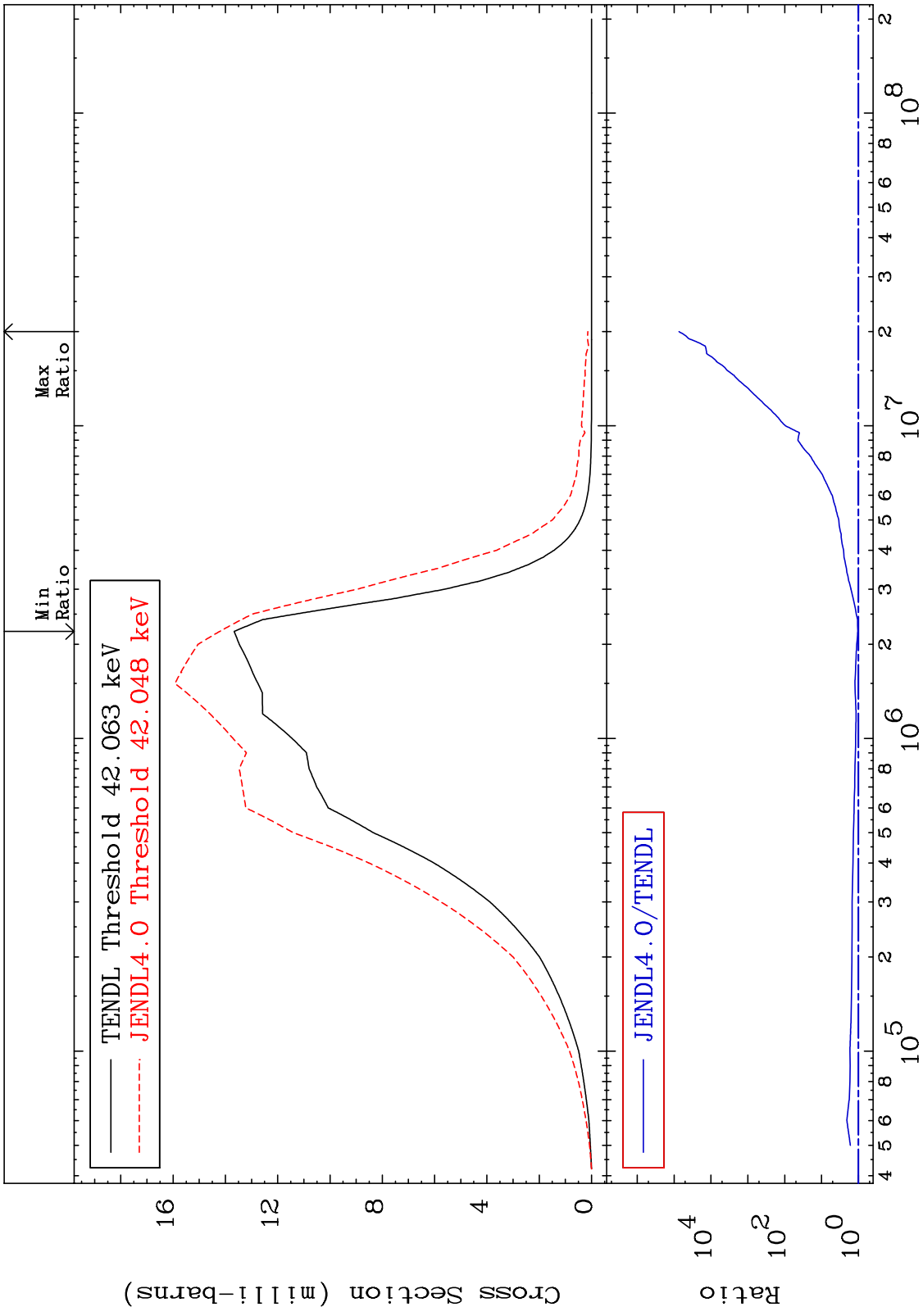


MAT 3640 MT= 51 (n,n') Level Cross Section -7.260 To 4834. % 36-Kr-83

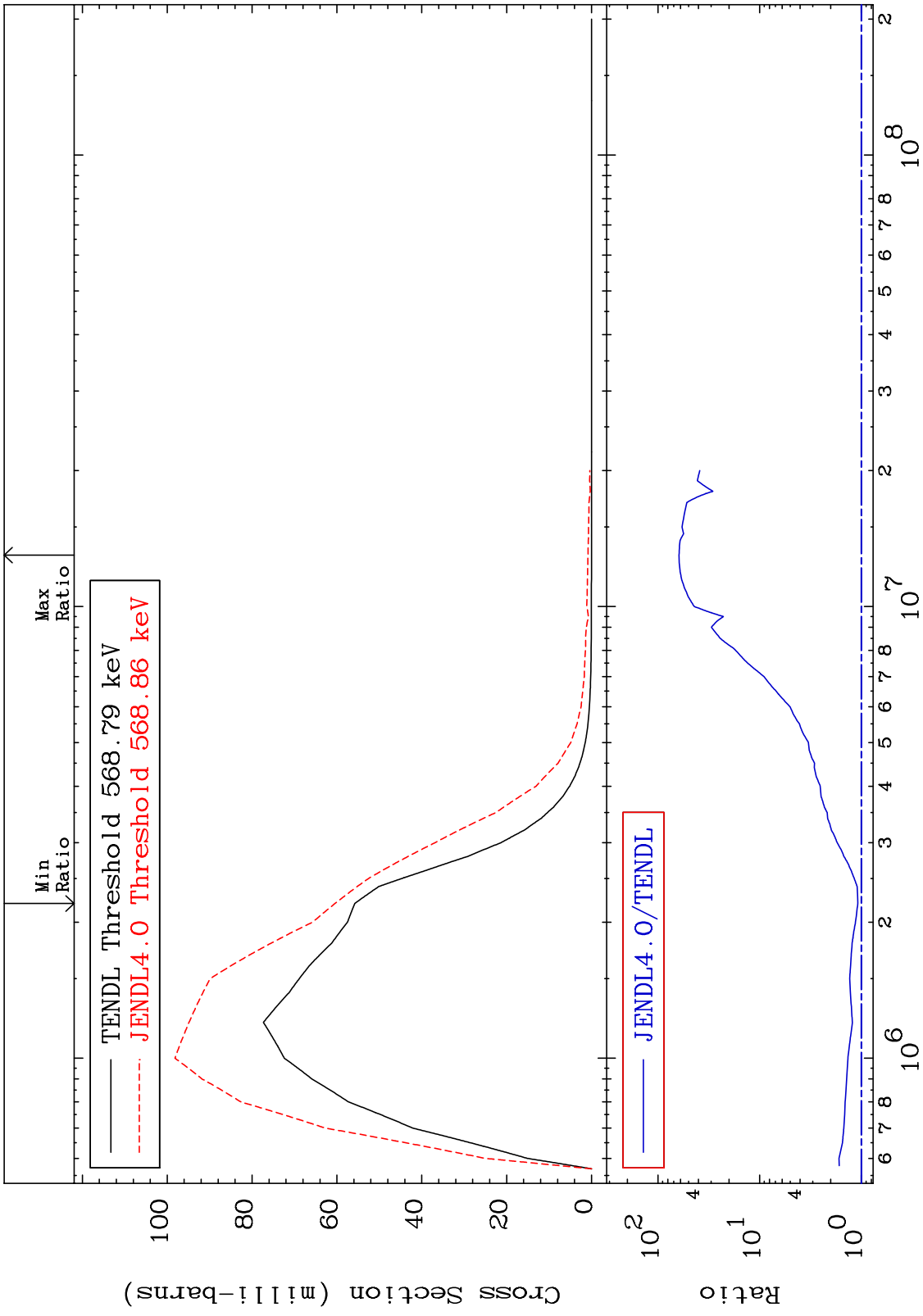


36-Kr-83

MAT 3640 MT= 52 (n,n') Level Cross Section 36-Kr-83
 4.048 To 9999. %

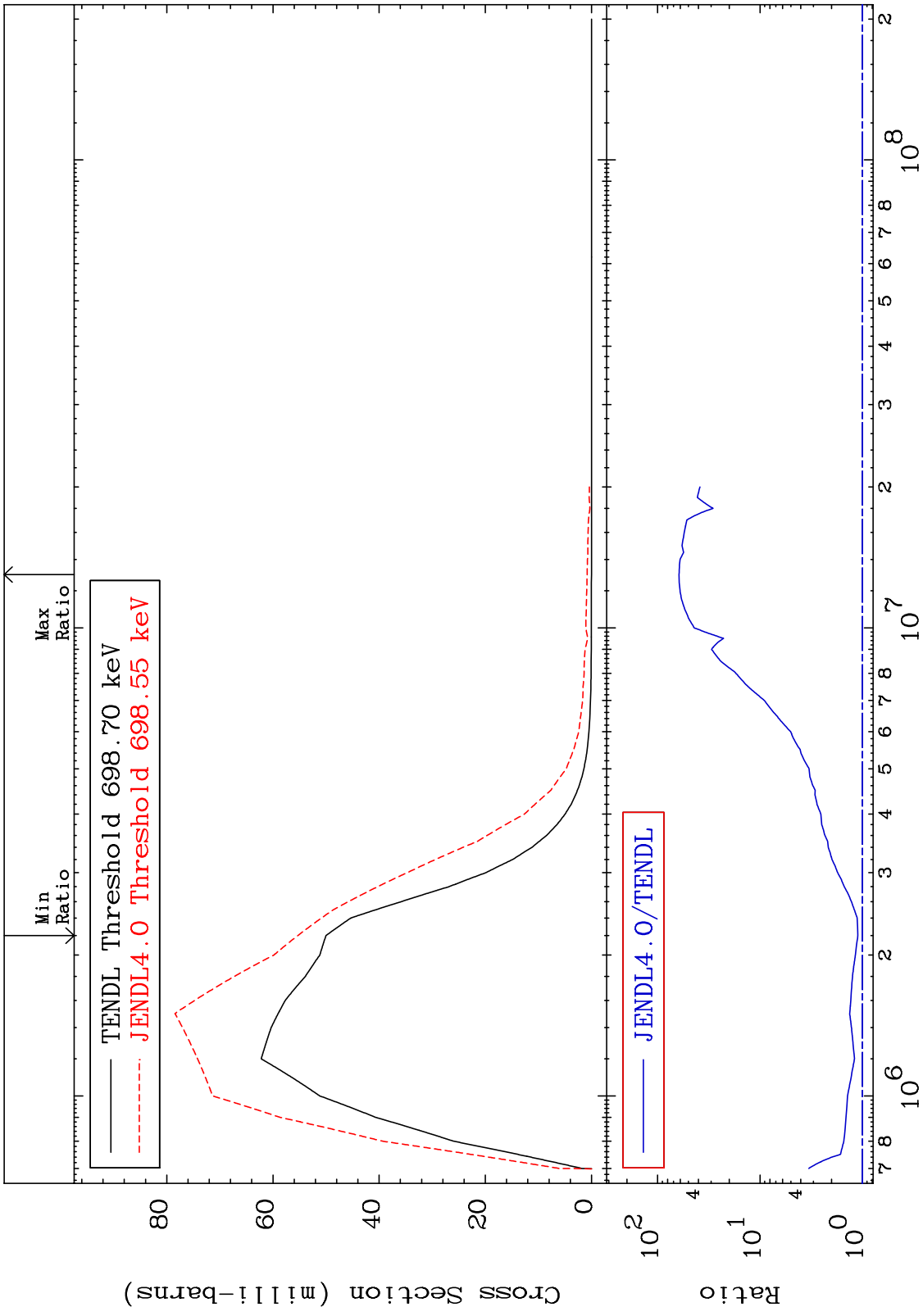


MAT 3640 MT= 53 (n,n') Level Cross Section 8.338 To 6098. % 36-Kr-83

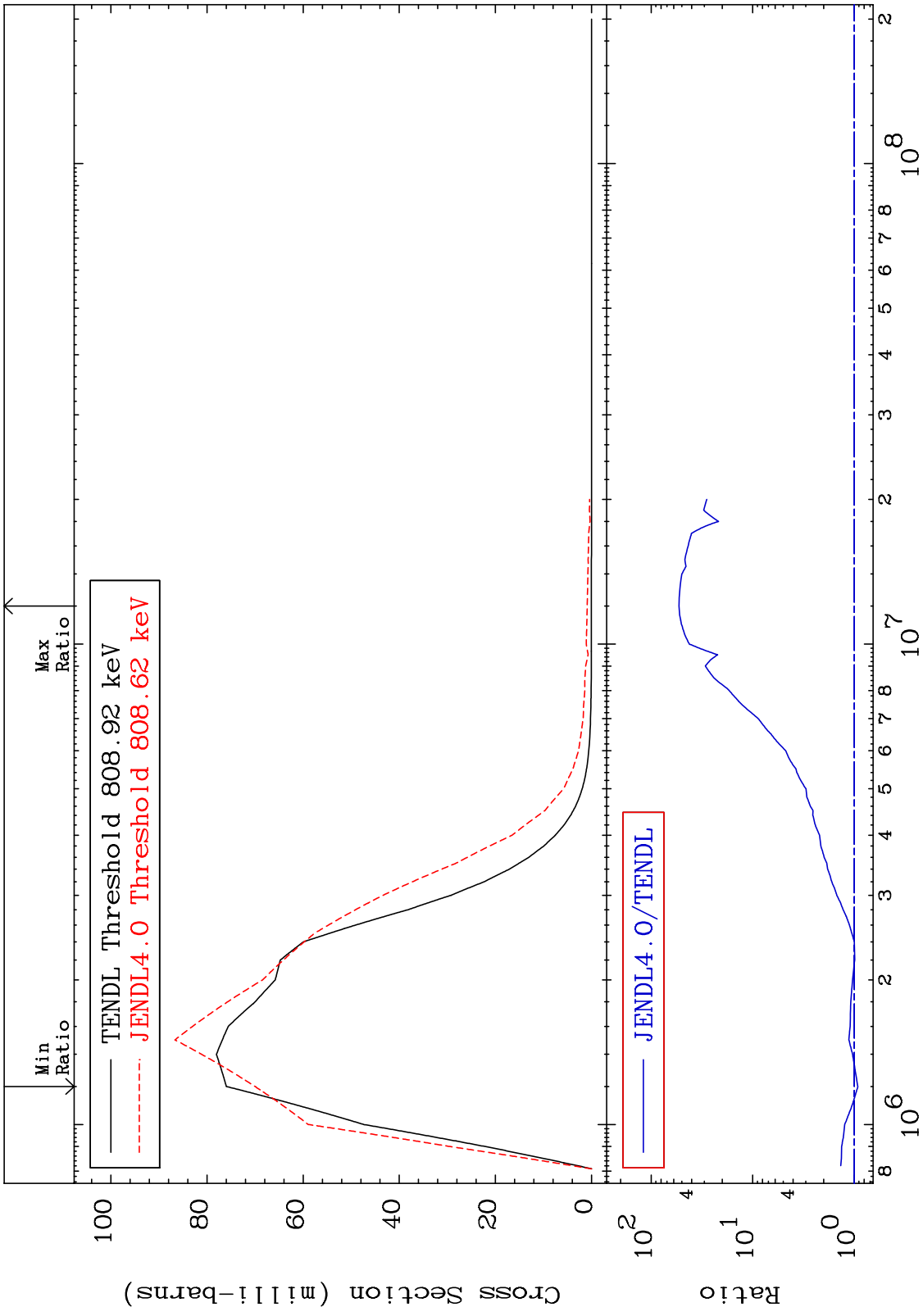


10 Incident Energy (eV) 36-Kr-83

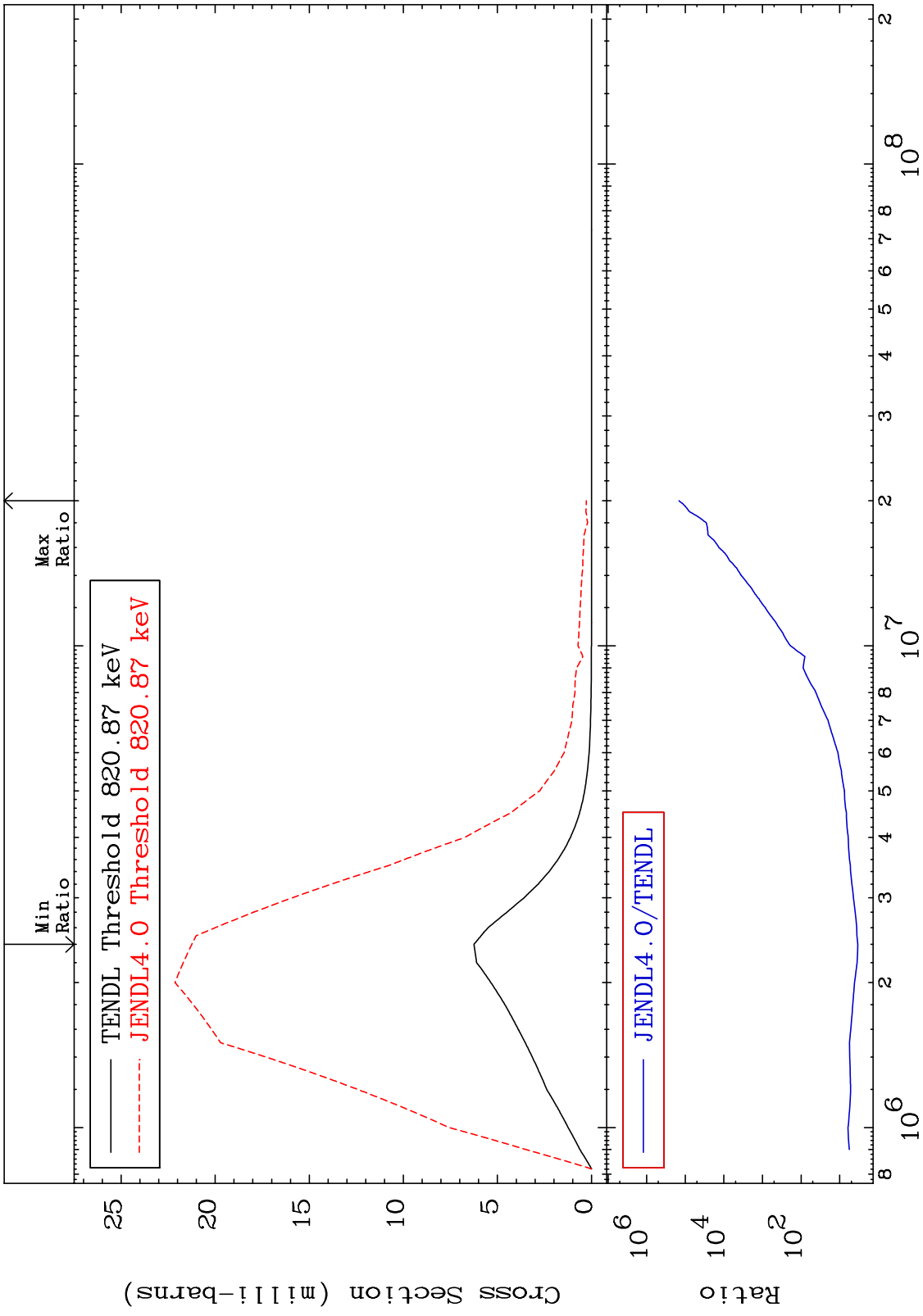
MAT 3640 MT= 55 (n,n') Level Cross Section 36-Kr-83
 10.62 To 6081. %



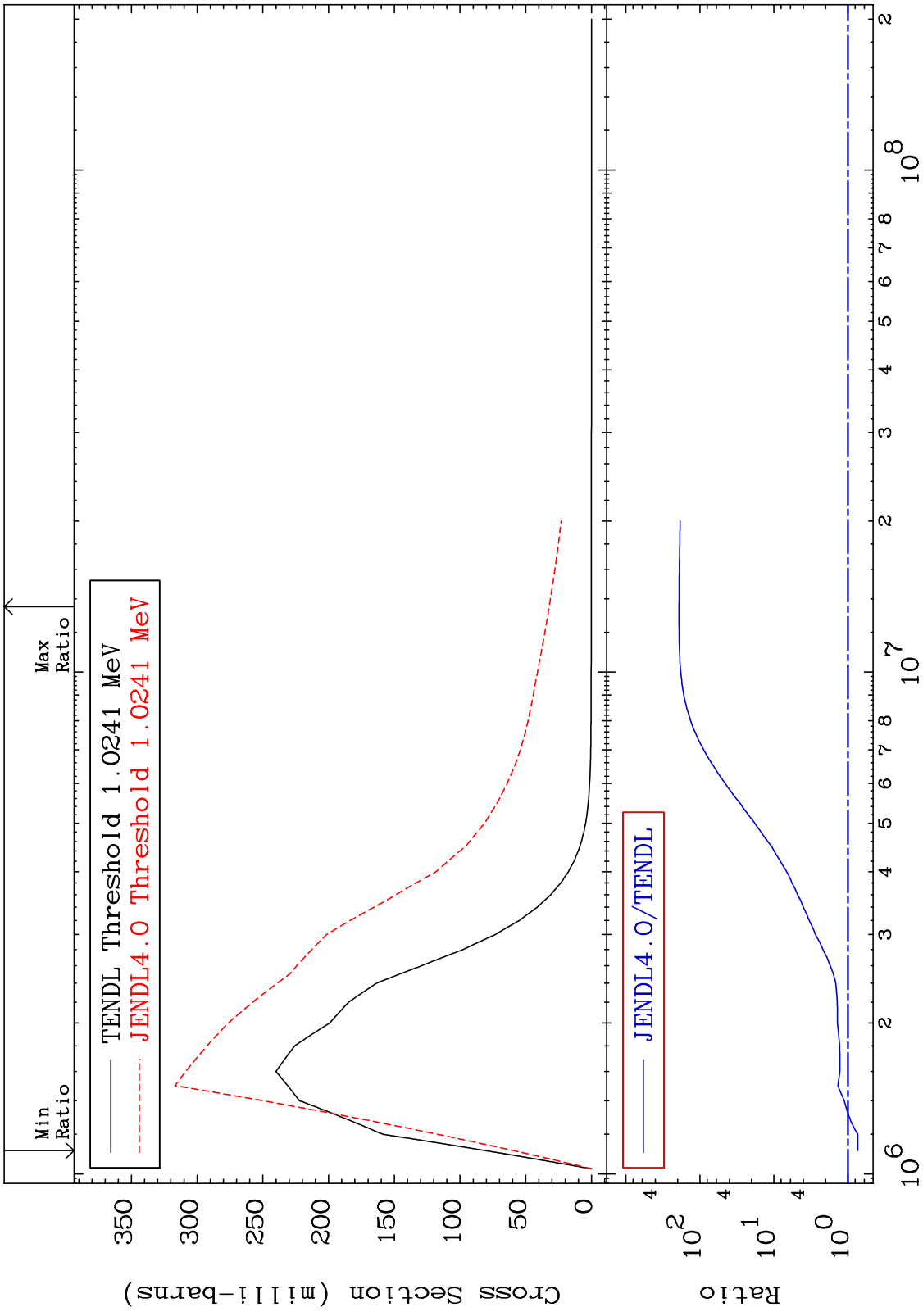
MAT 3640 MT= 56 (n,n') Level Cross Section -7.839 To 5221. % 36-Kr-83



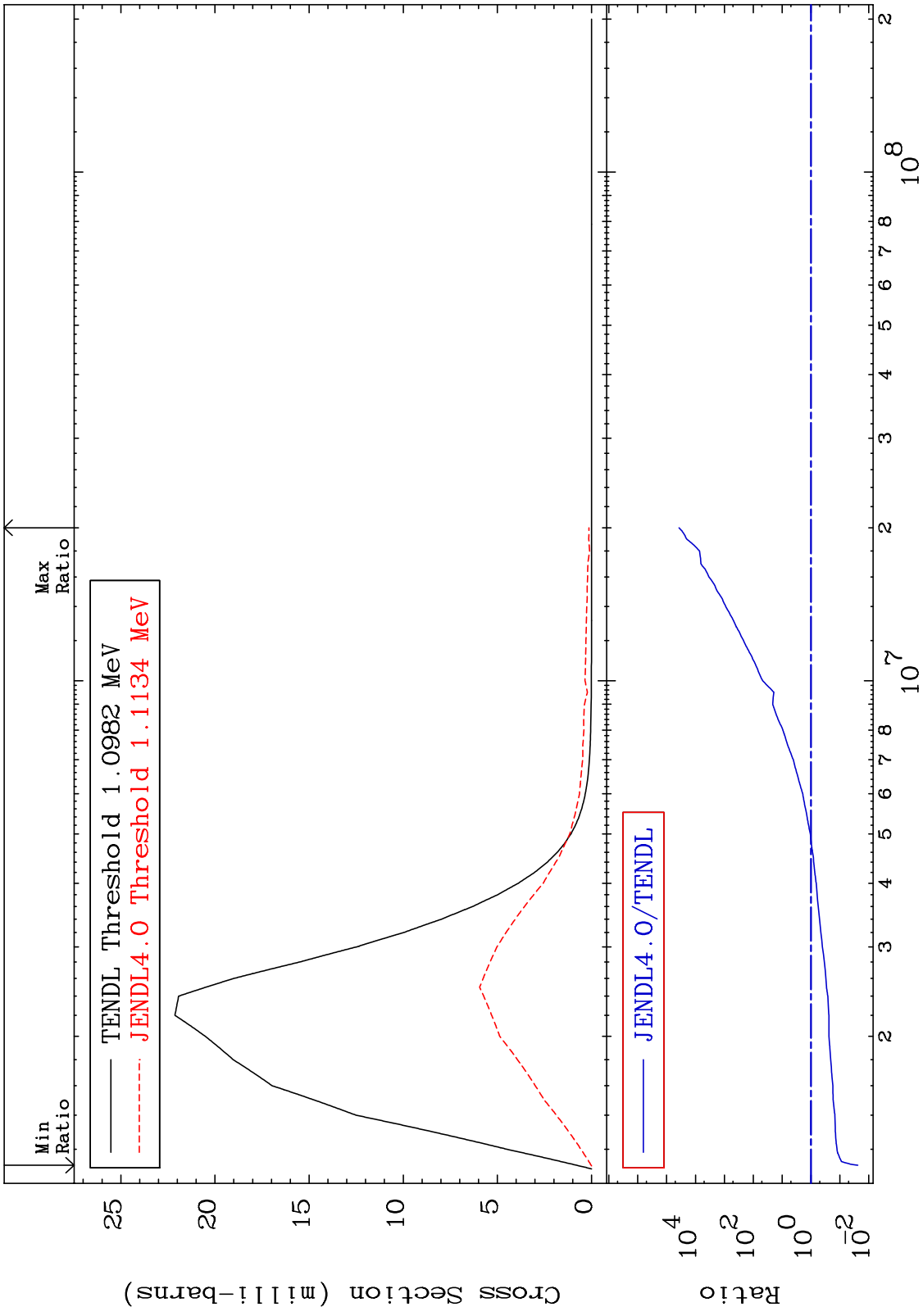
MAT 3640 MT= 57 (n,n') Level Cross Section 36-Kr-83
 239.9 To 9999. %



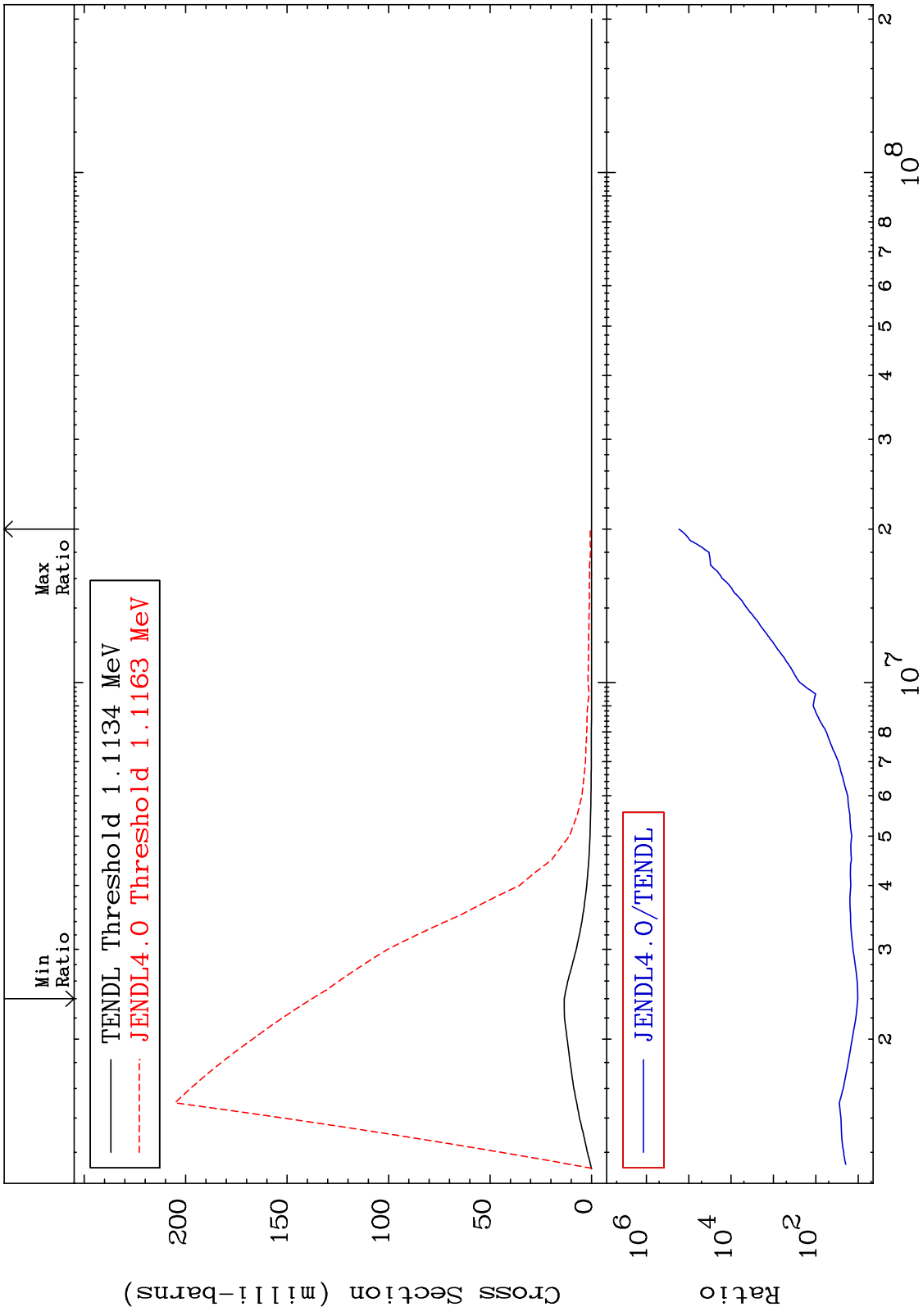
MAT 3640 MT= 58 (n,n') Level Cross Section -26.30 To 9999. % 36-Kr-83



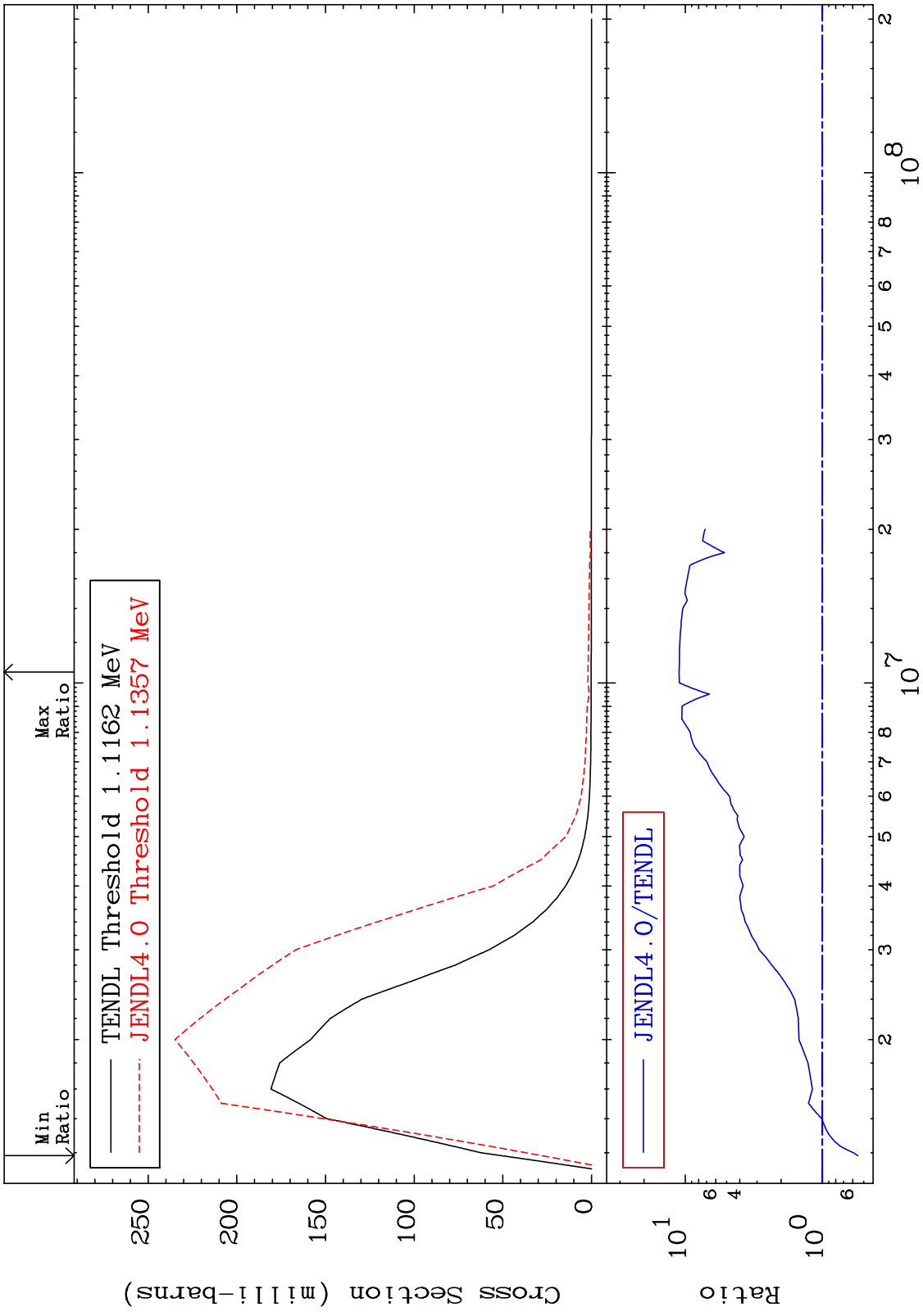
MAT 3640 MT= 59 (n,n') Level Cross Section 36-Kr-83
 -97.62 To 9999. %



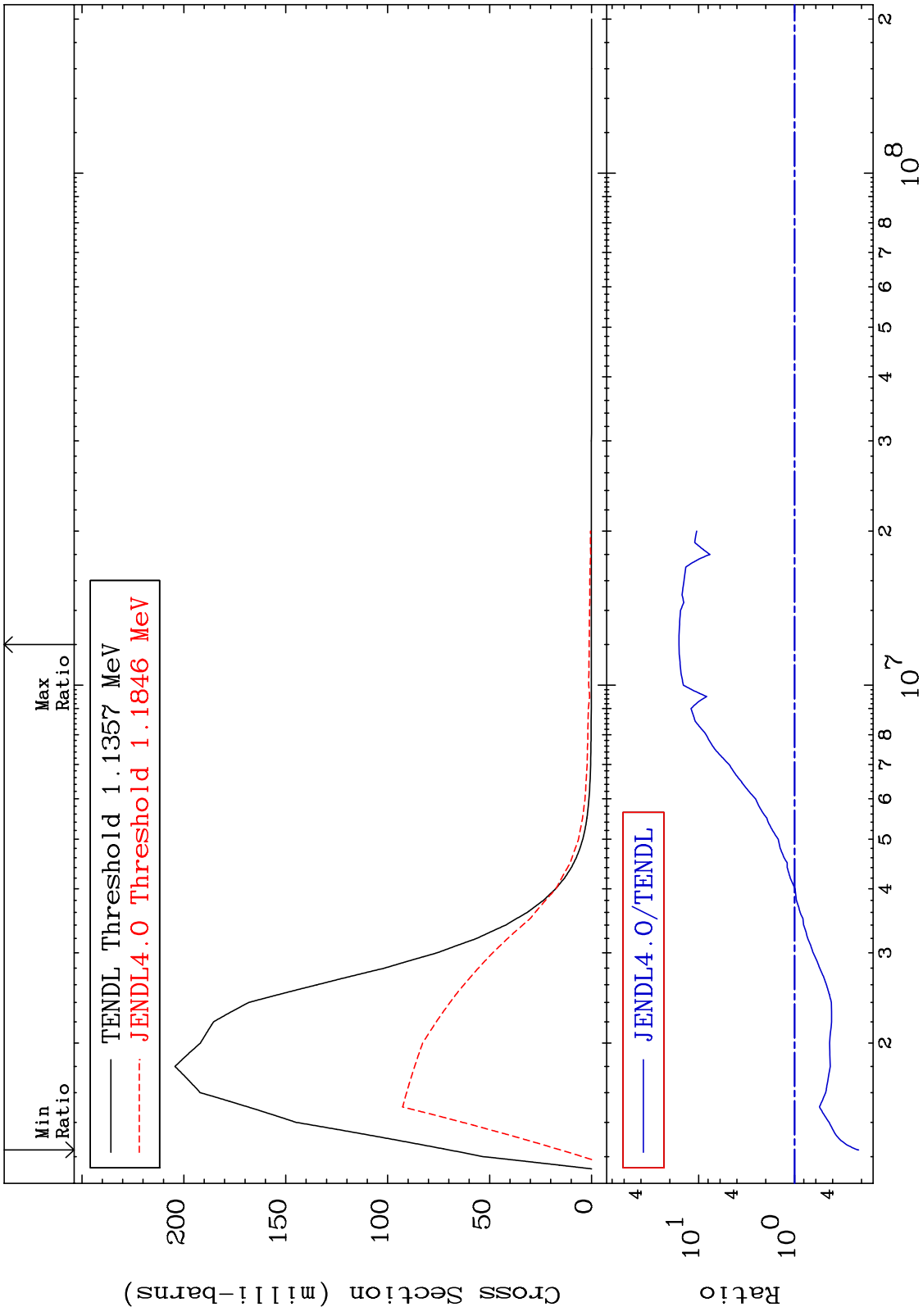
MAT 3640 MT= 60 (n,n') Level Cross Section 36-Kr-83 923.4 To 9999. %



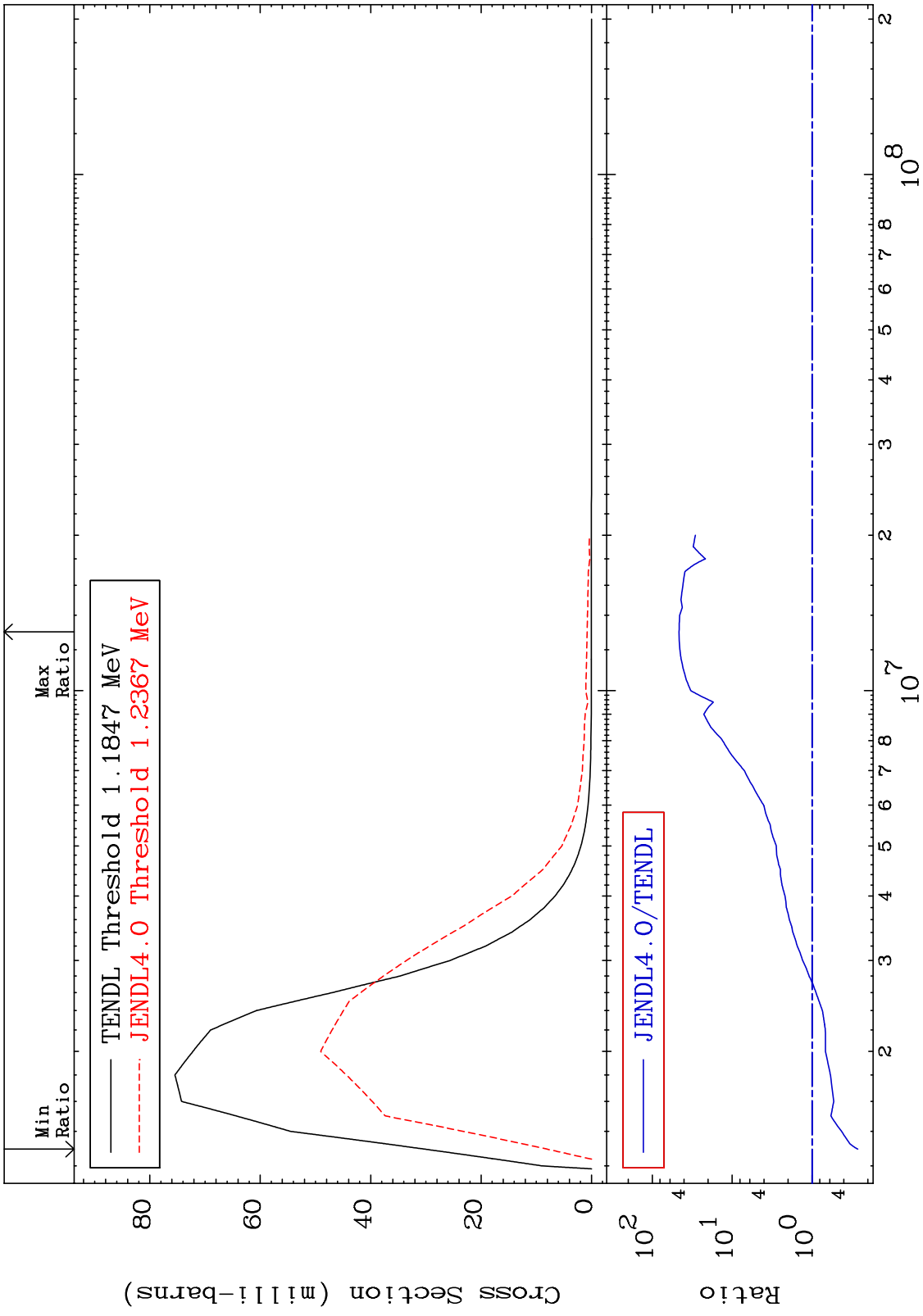
MAT 3640 MT= 61 (n,n') Level Cross Section 36-Kr-83
 -44.85 To 1010. %



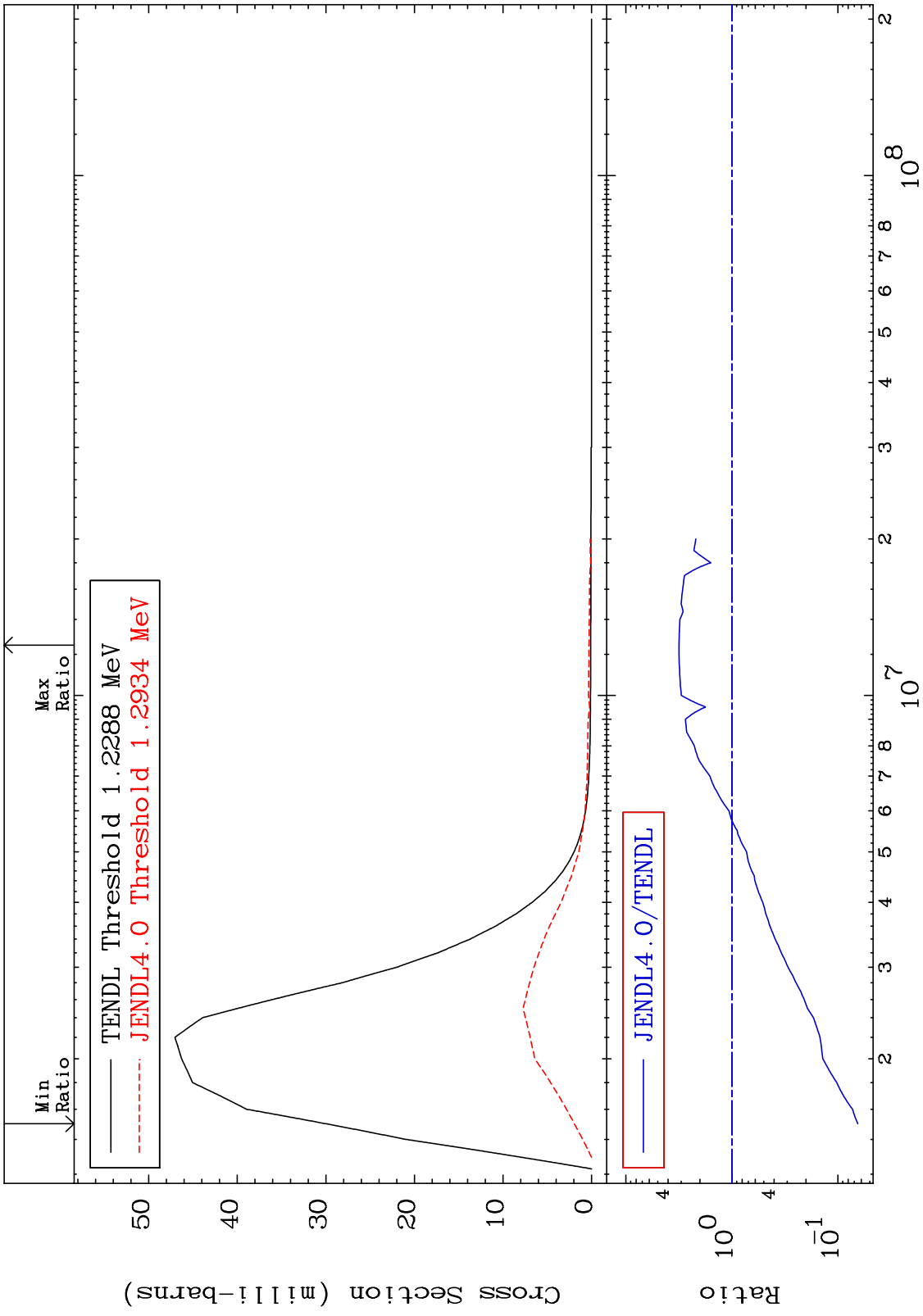
MAT 3640 MT= 62 (n,n') Level Cross Section -78.14 To 1504. % 36-Kr-83



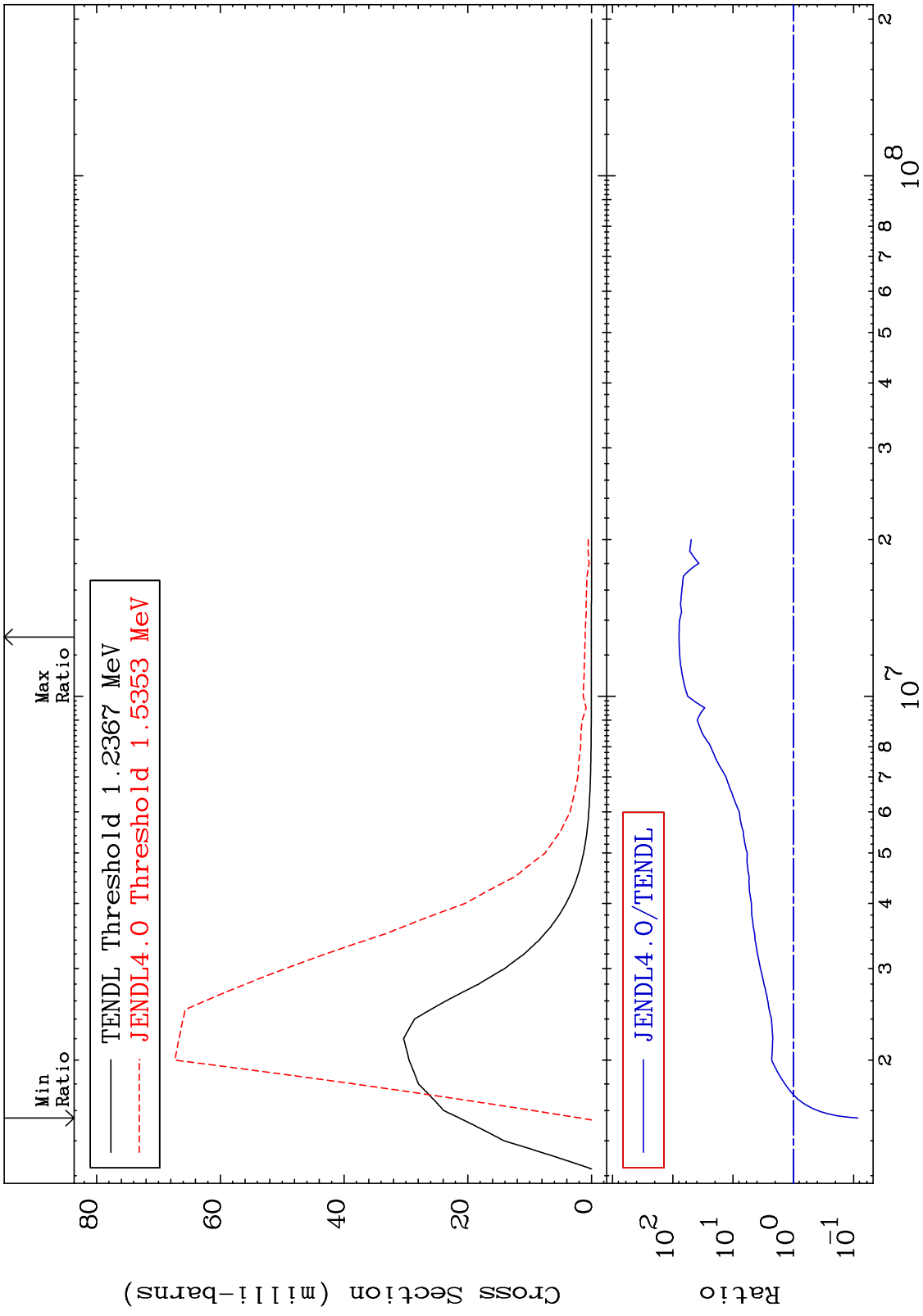
MAT 3640 MT= 63 (n,n') Level Cross Section -73.33 To 4526. % 36-Kr-83



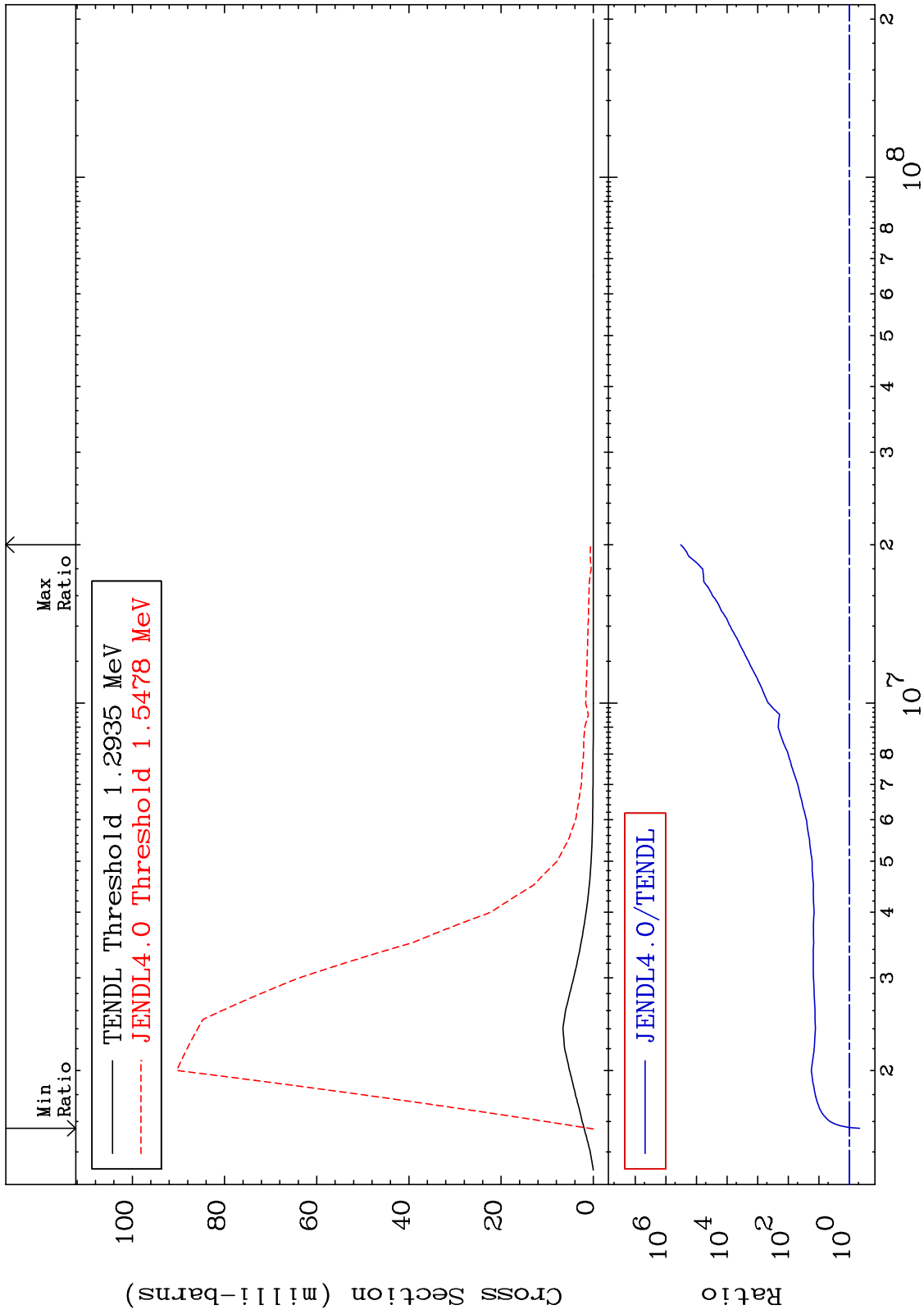
MAT 3640 MT= 64 (n,n') Level Cross Section 36-Kr-83
 -93.52 To 214.8 %



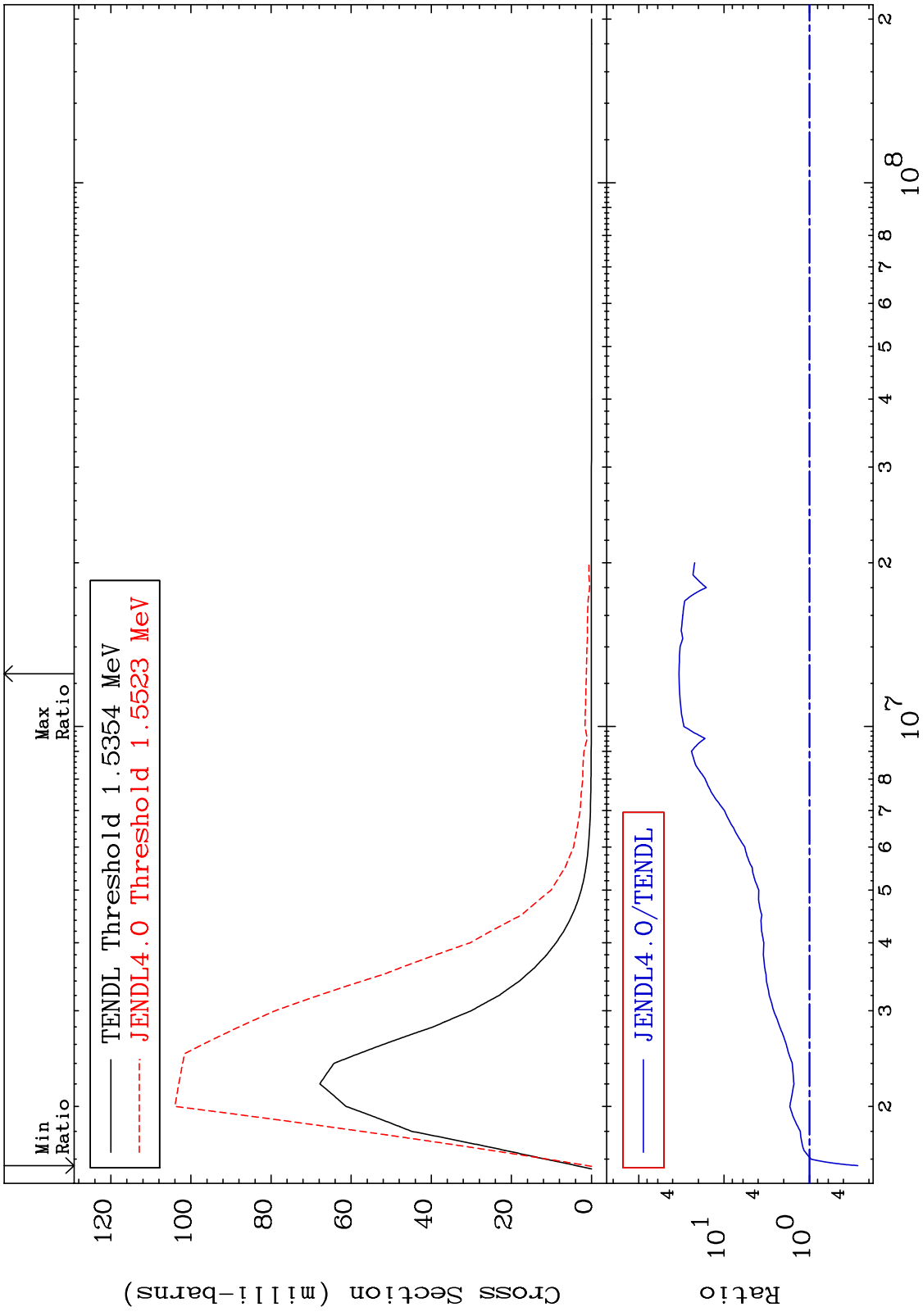
MAT 3640 MT= 65 (n,n') Level Cross Section -91.51 To 7787. % 36-Kr-83



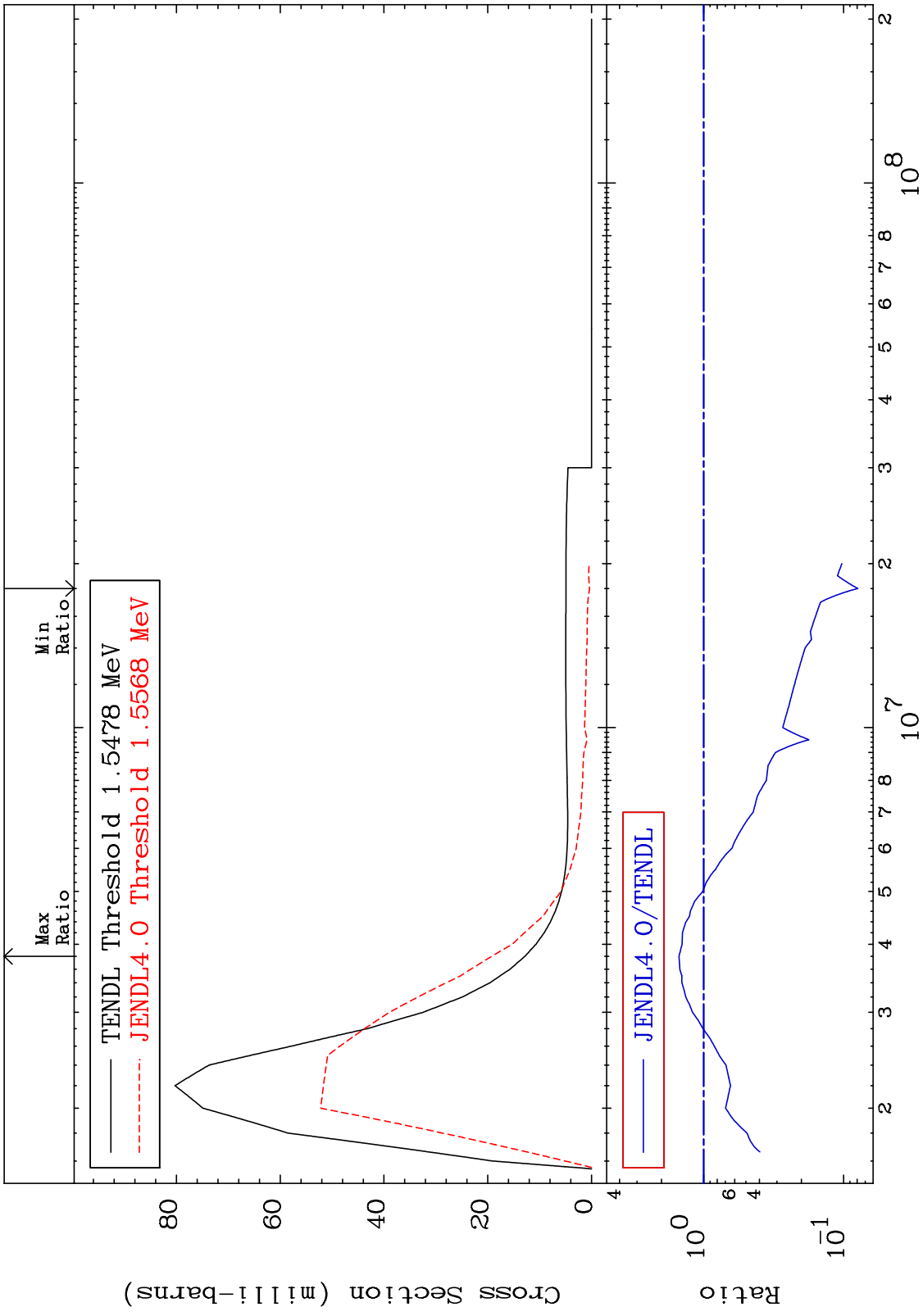
MAT 3640 MT= 66 (n,n') Level Cross Section -53.75 To 9999. % 36-Kr-83



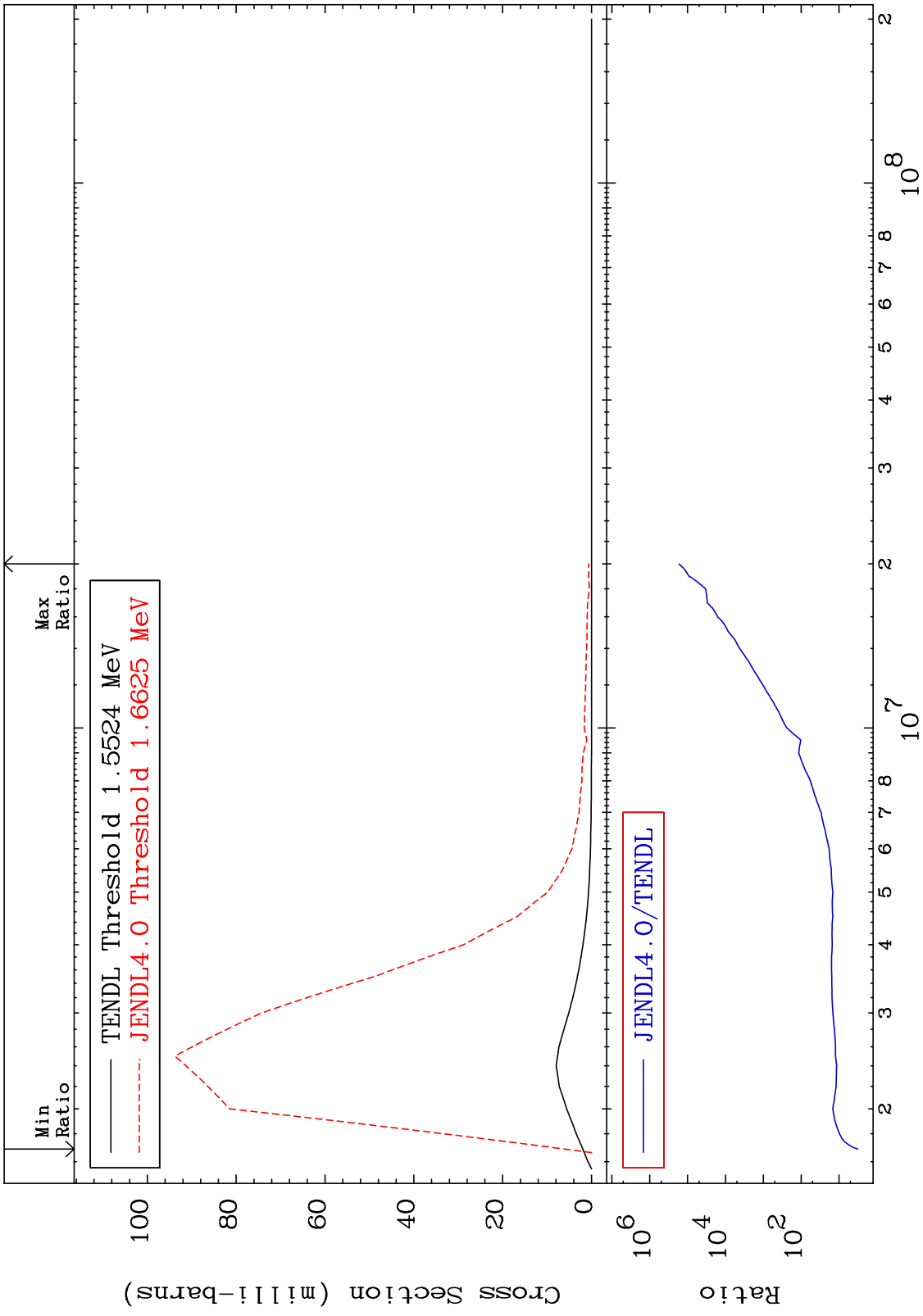
MAT 3640 MT= 67 (n,n') Level Cross Section -72.96 To 3273. % 36-Kr-83



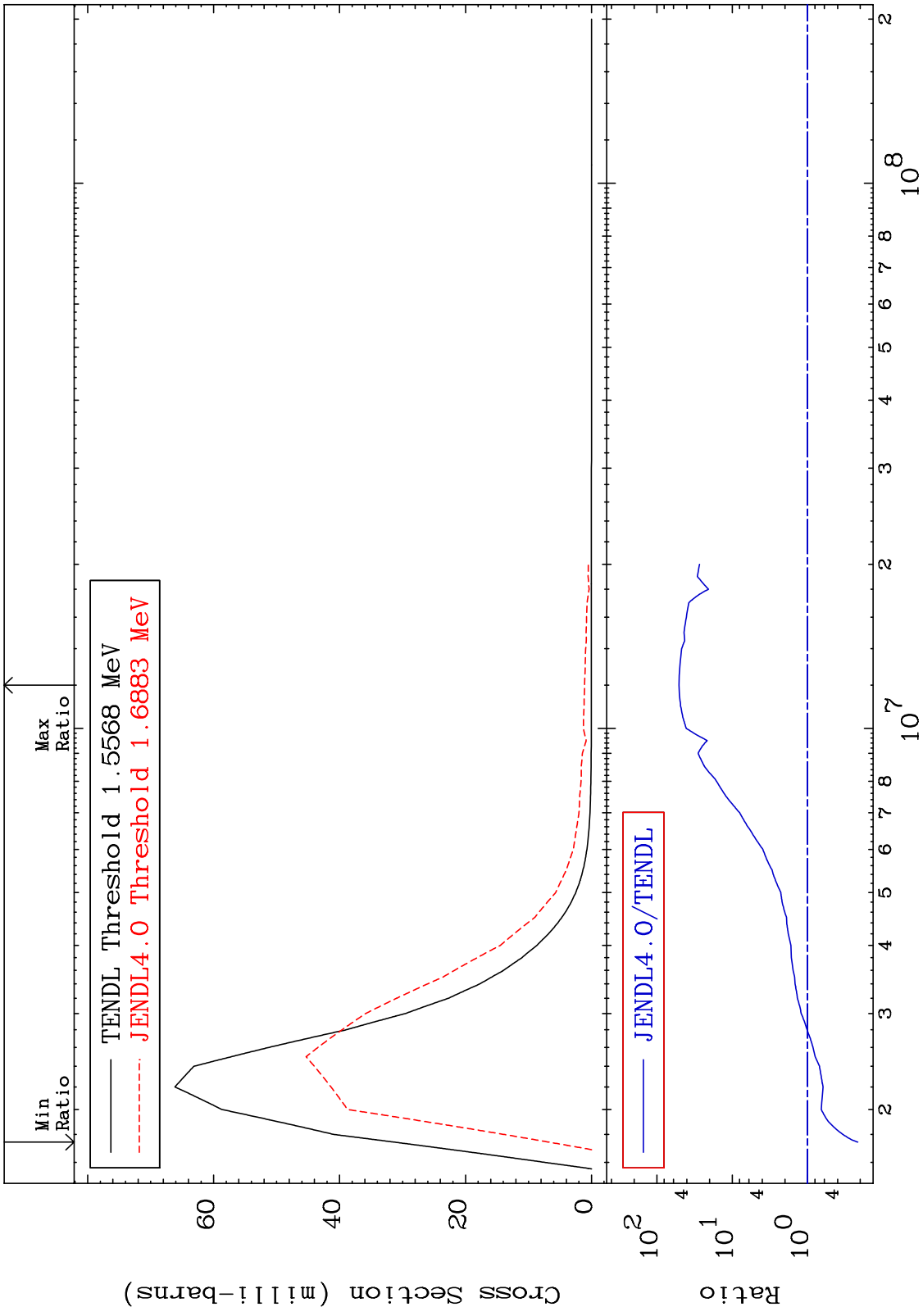
MAT 3640 MT= 68 (n,n') Level Cross Section -92.09 To 49.96 % 36-Kr-83



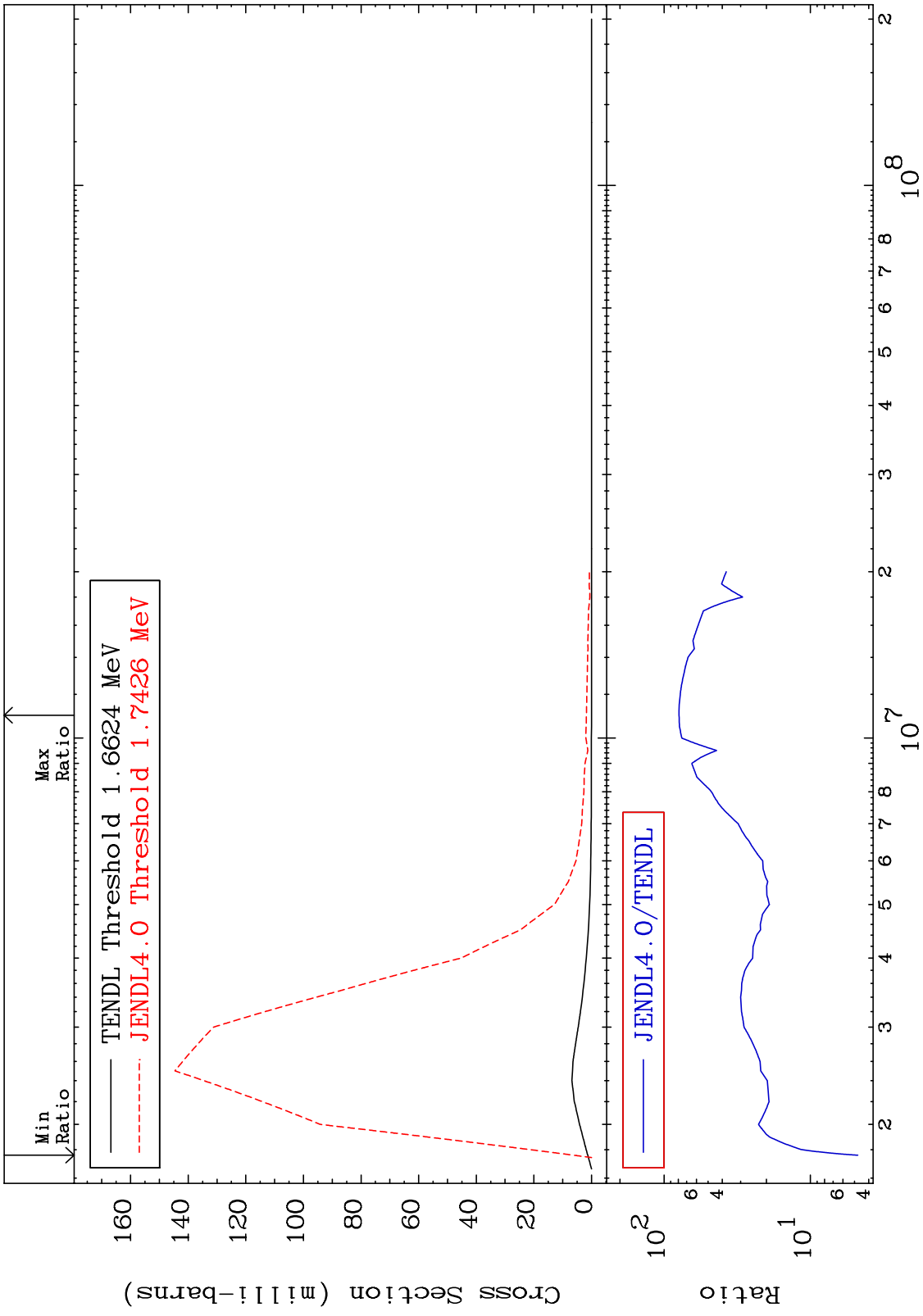
MAT 3640 MT= 69 (n,n') Level Cross Section 216.3 To 9999. % 36-Kr-83



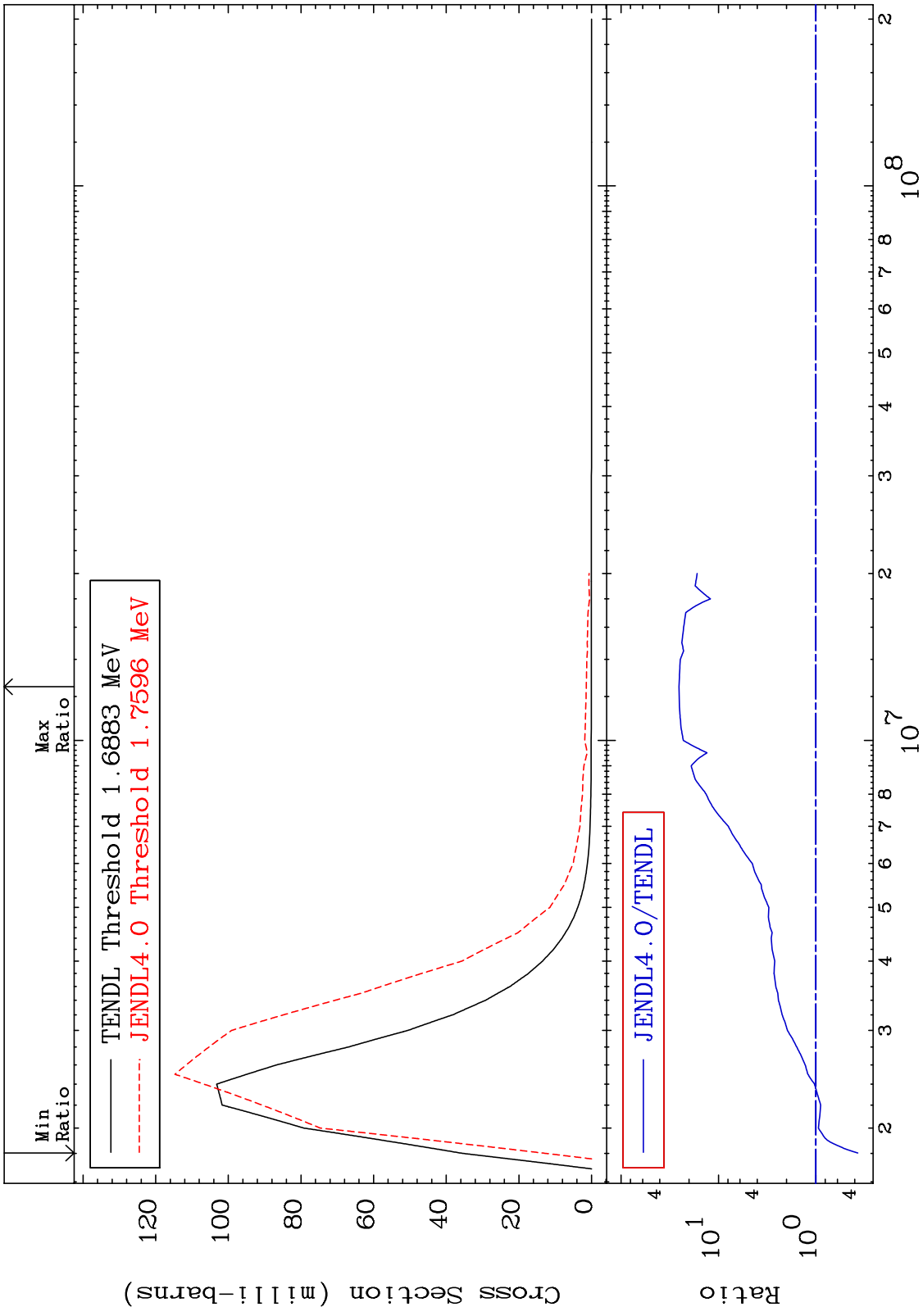
MAT 3640 MT= 70 (n,n') Level Cross Section 36-Kr-83
 -78.45 To 4981. %



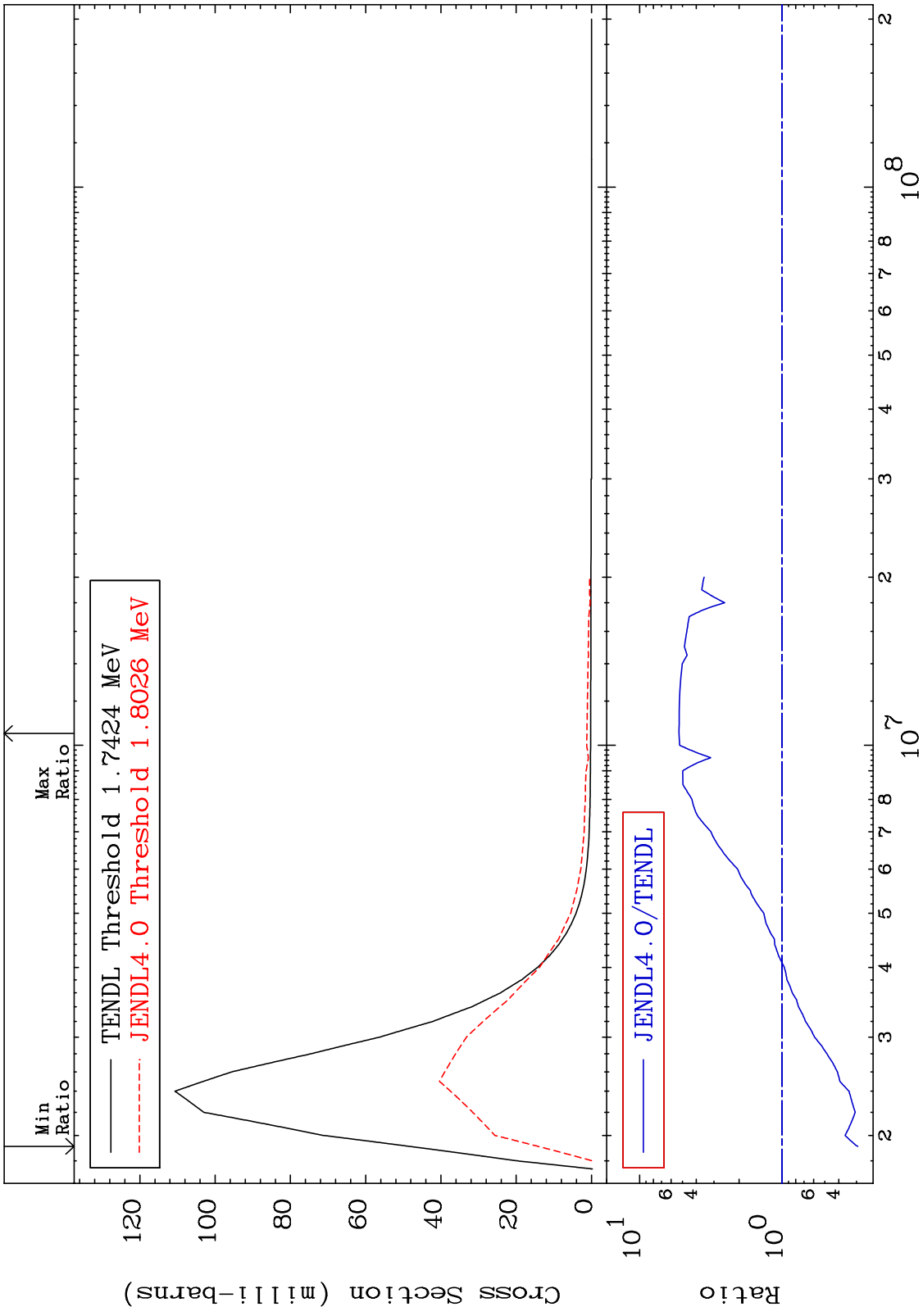
MAT 3640 MT= 71 (n,n') Level Cross Section 36-Kr-83 374.3 To 7800. %



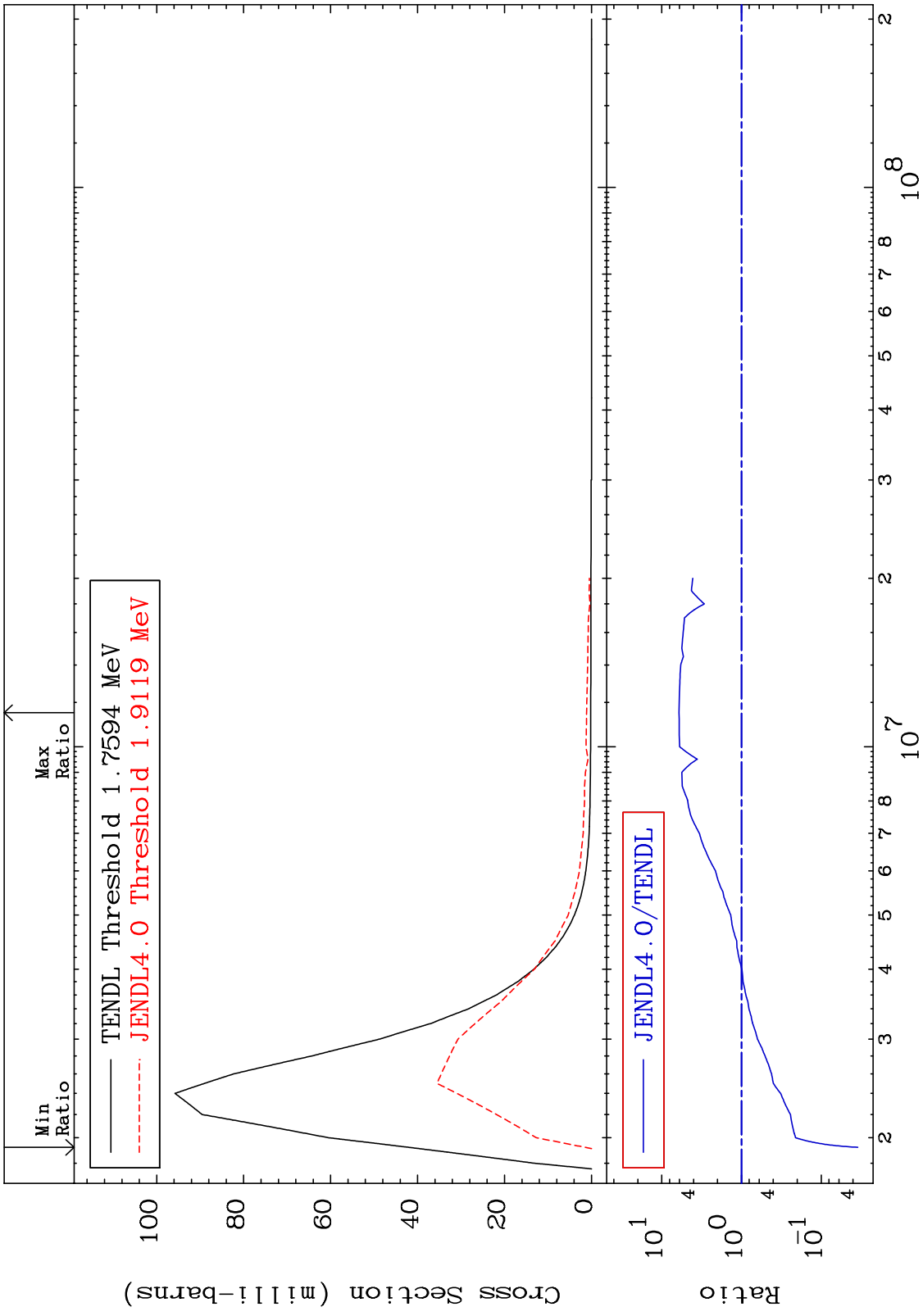
MAT 3640 MT= 72 (n,n') Level Cross Section 36-Kr-83
 -62.90 To 2438. %



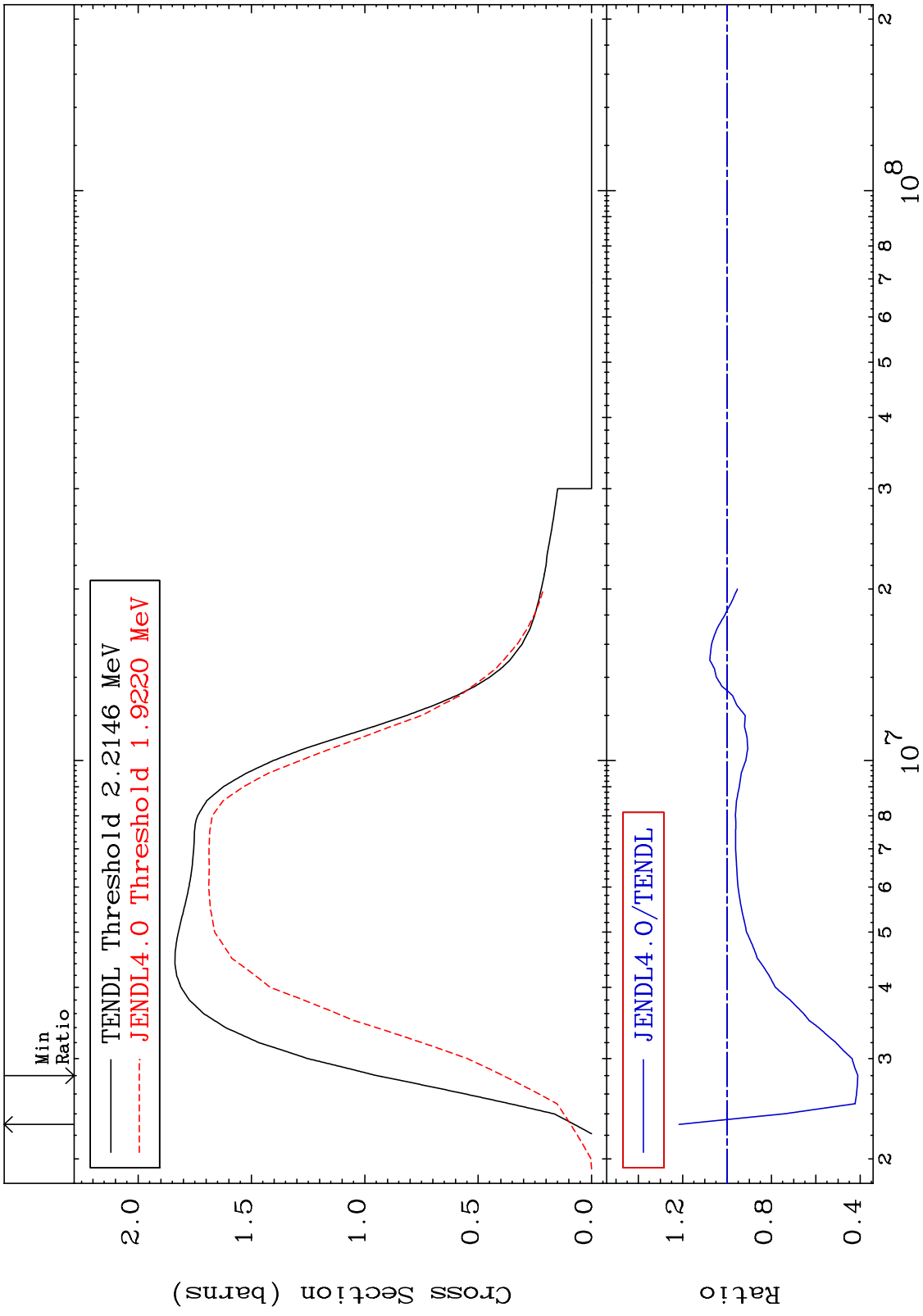
MAT 3640 MT= 73 (n,n') Level Cross Section 36-Kr-83
 -70.65 To 428.0 %



MAT 3640 MT= 74 (n,n') Level Cross Section 36-Kr-83
 -96.52 To 507.5 %



MAT 3640 (n,n') Continuum Cross Section 36-Kr-83 -58.89 To 21.62 %



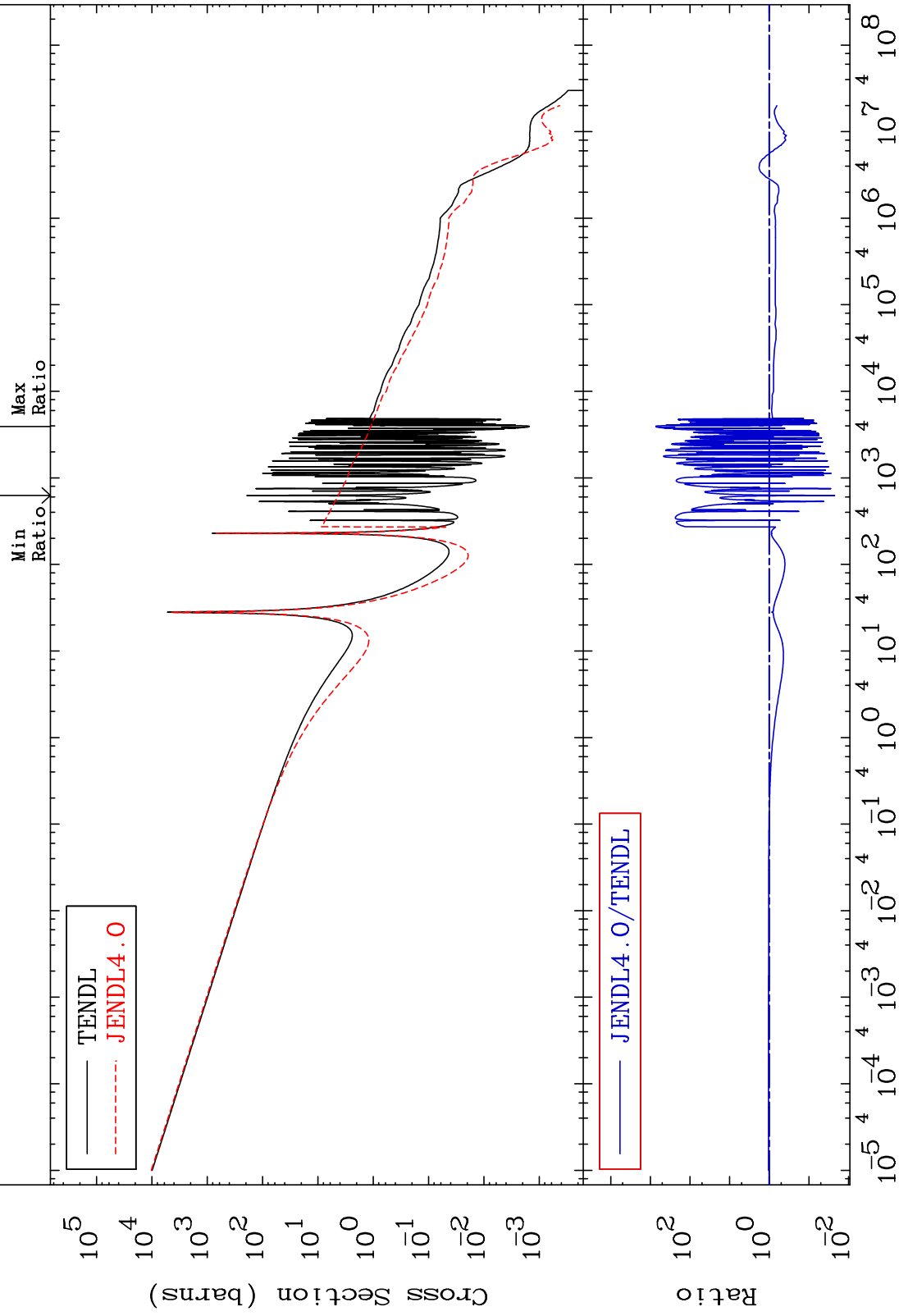
MAT 3640

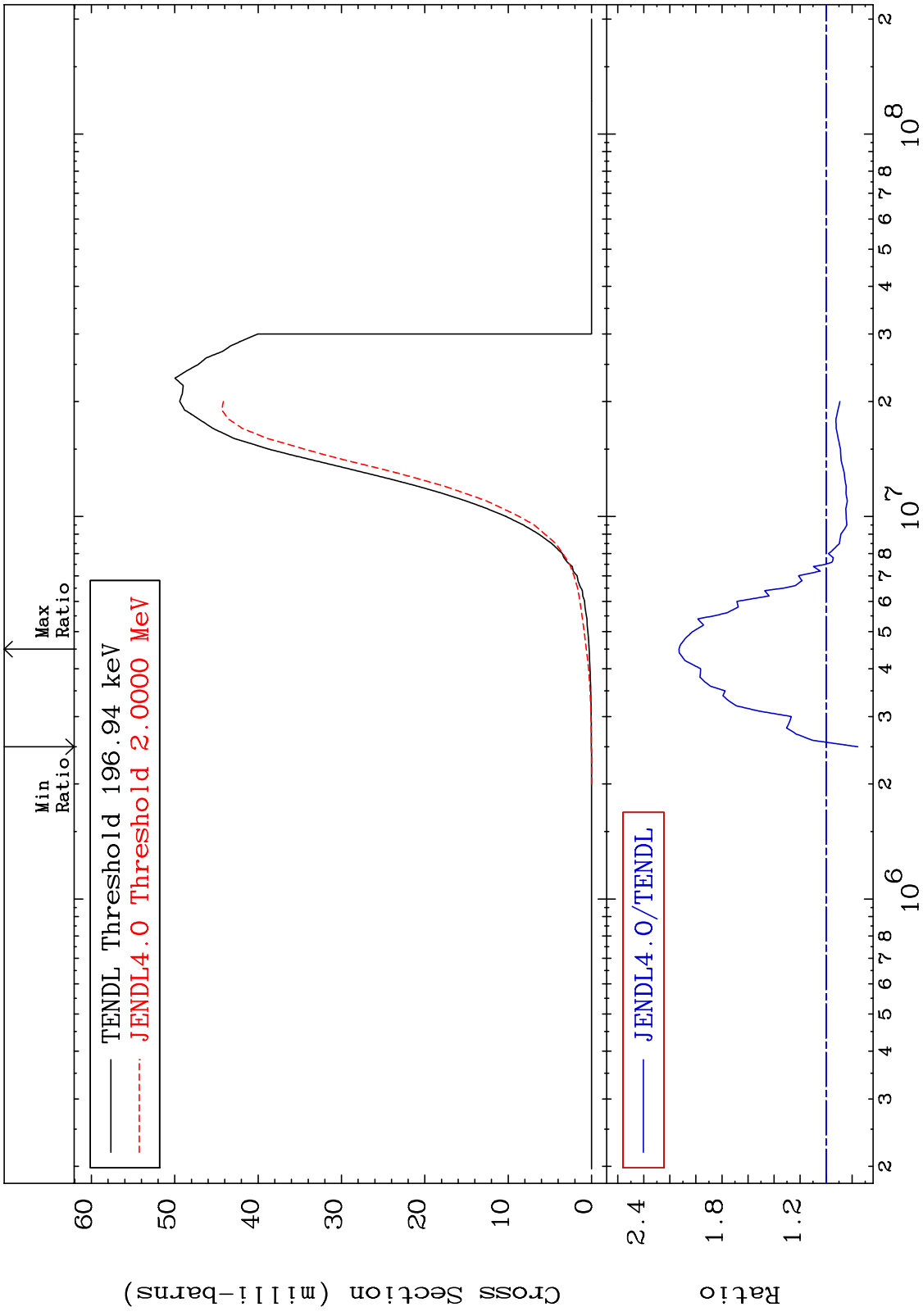
(n, γ)

36-Kr-83

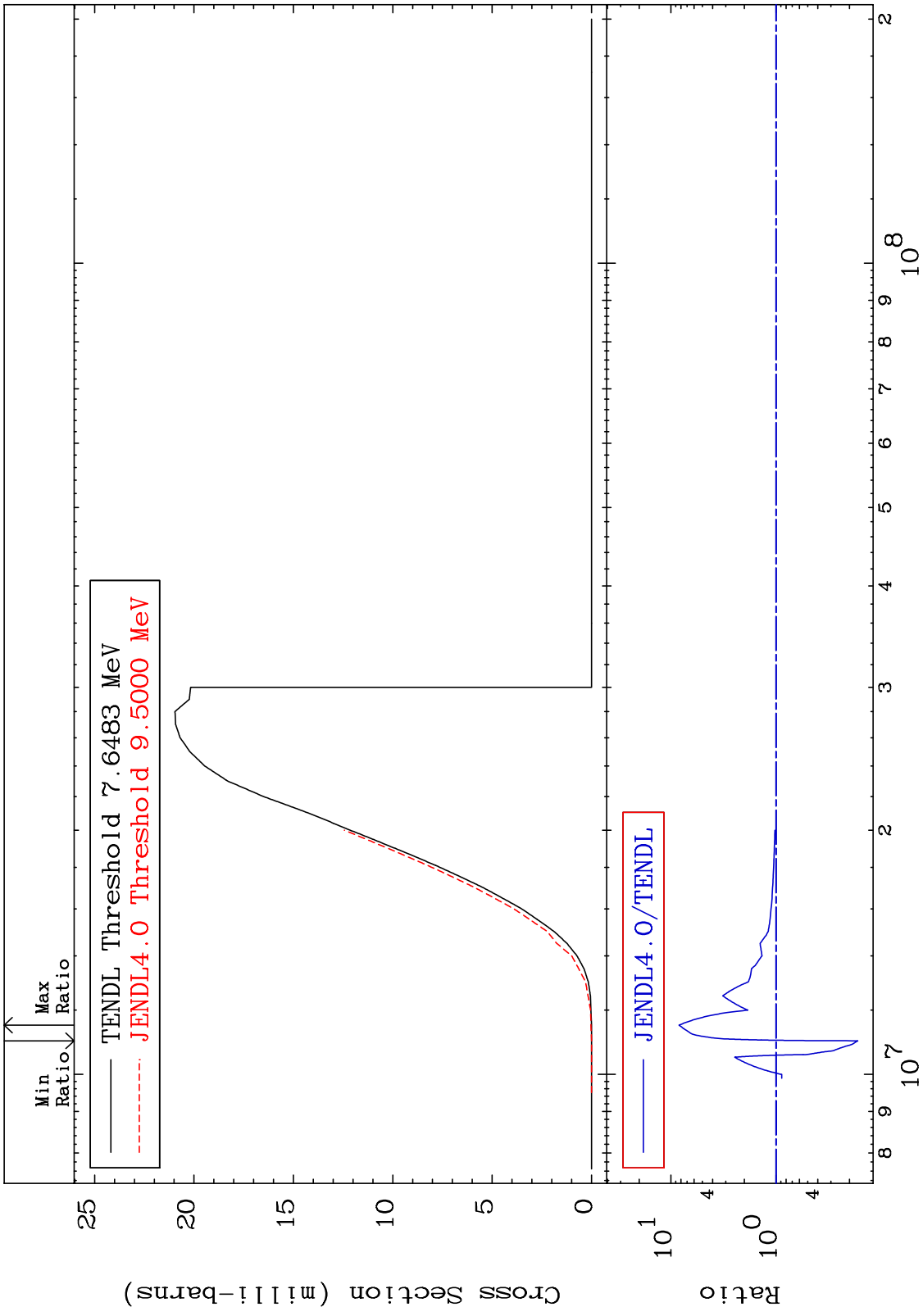
-97.76 To 9999. %

Cross Section



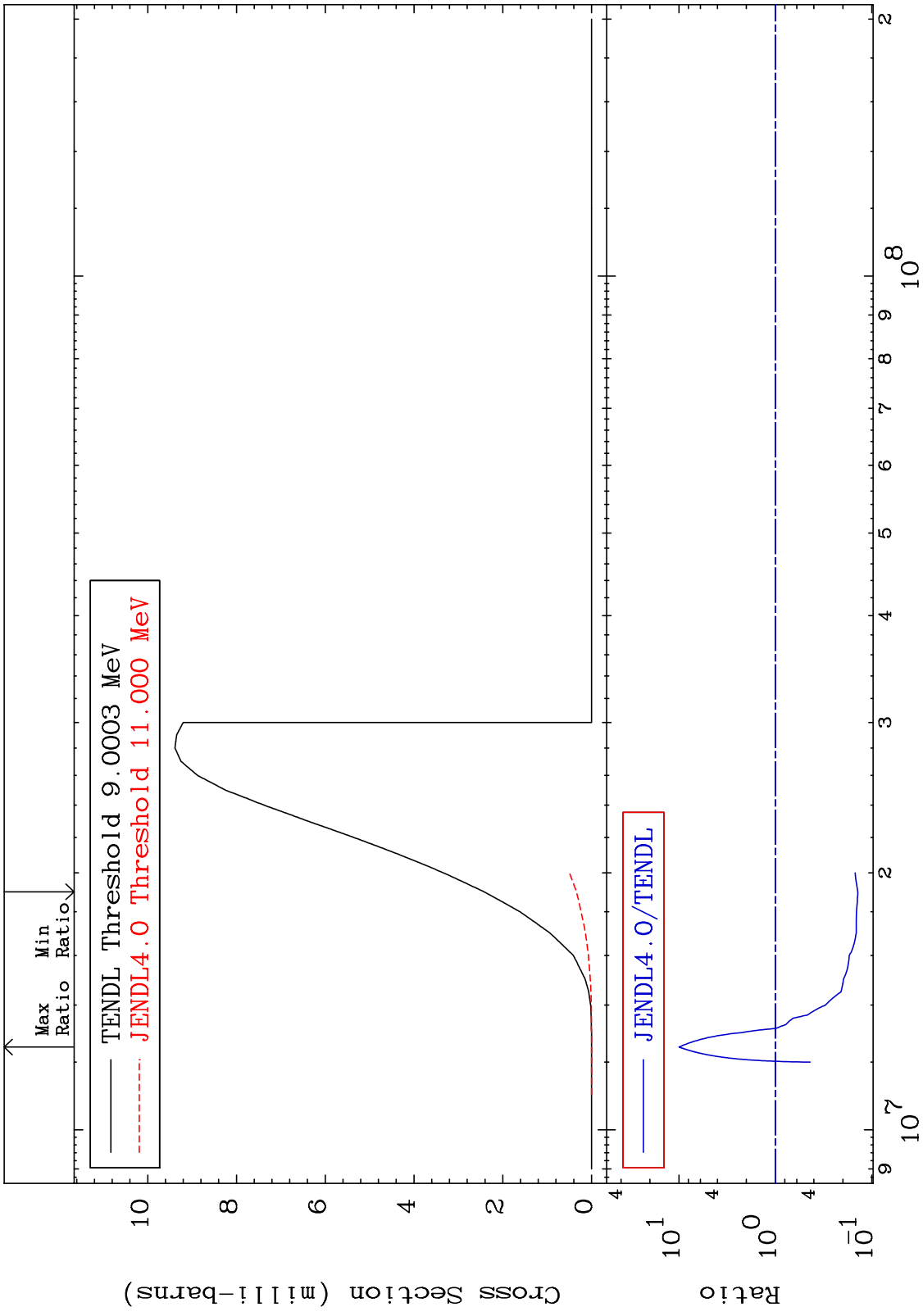


MAT 3640 (n,d) Cross Section ³⁶Kr-83
 -83.33 To 734.8 %

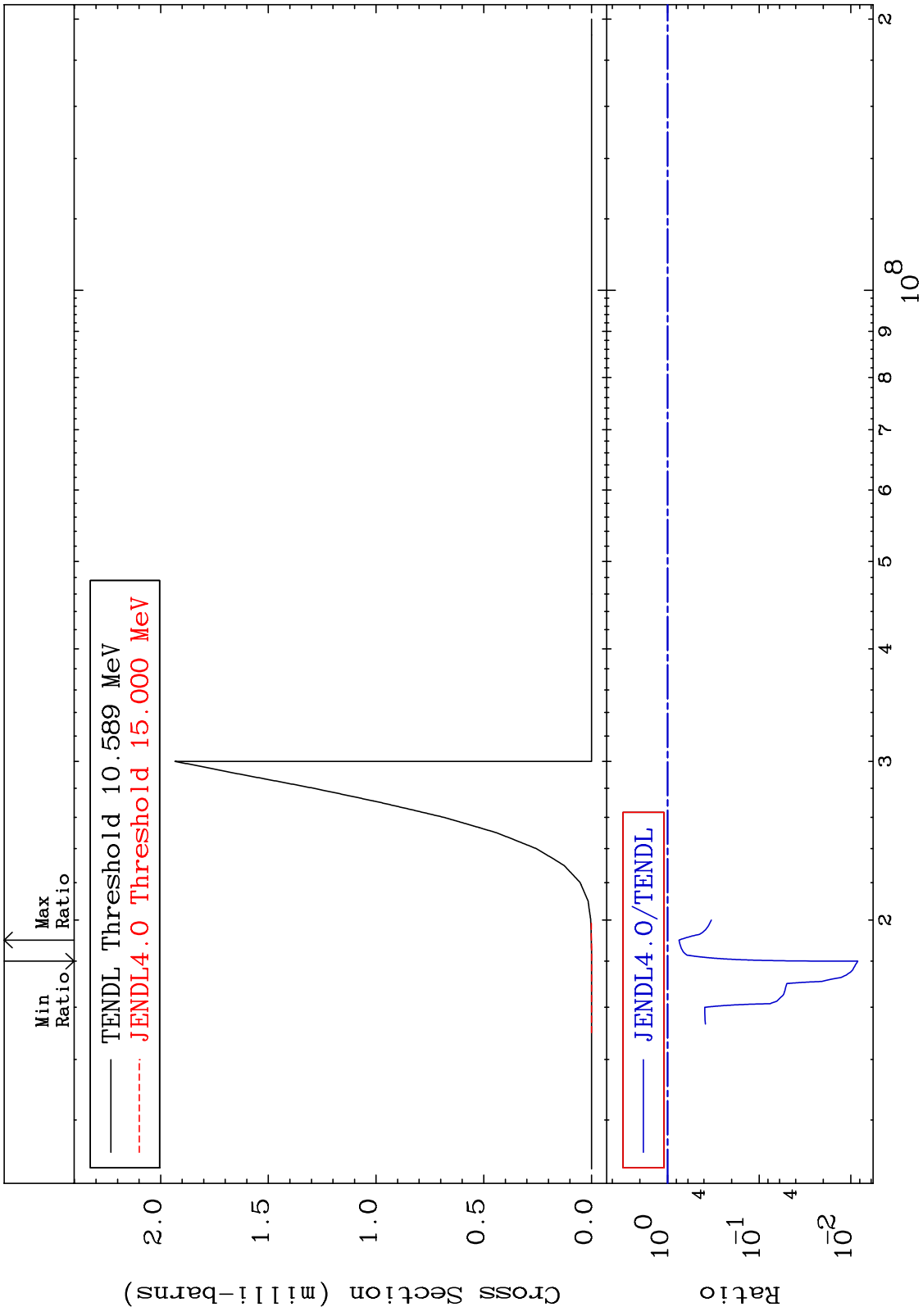


35 ³⁶Kr-83 Incident Energy (eV)

MAT 3640 (n,t) 36-Kr-83
Cross Section -86.02 To 899.4 %



36 36-Kr-83



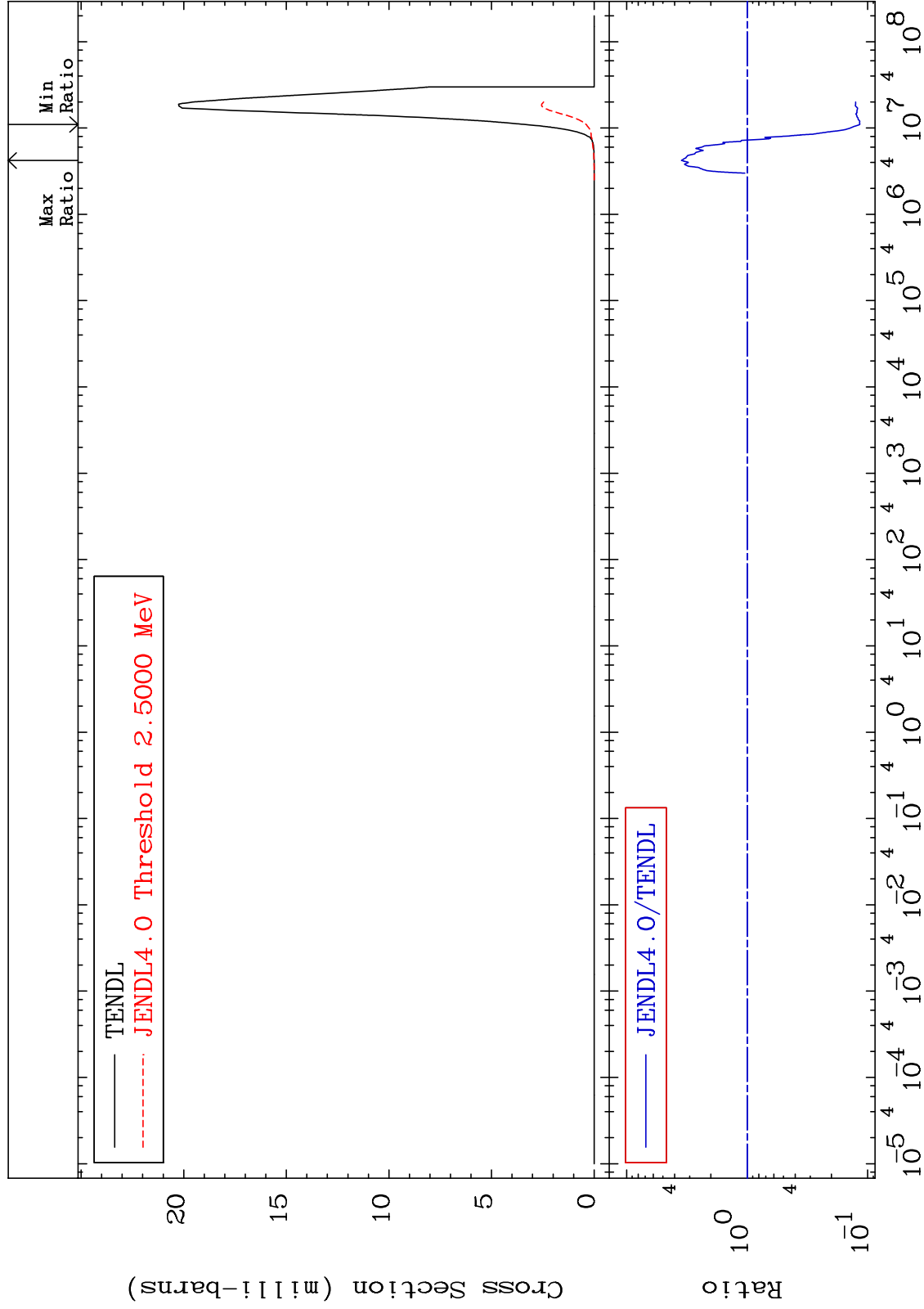
MAT 3640

(n, α)

36-Kr-83

Cross Section

-88.37 To 250.8 %



38

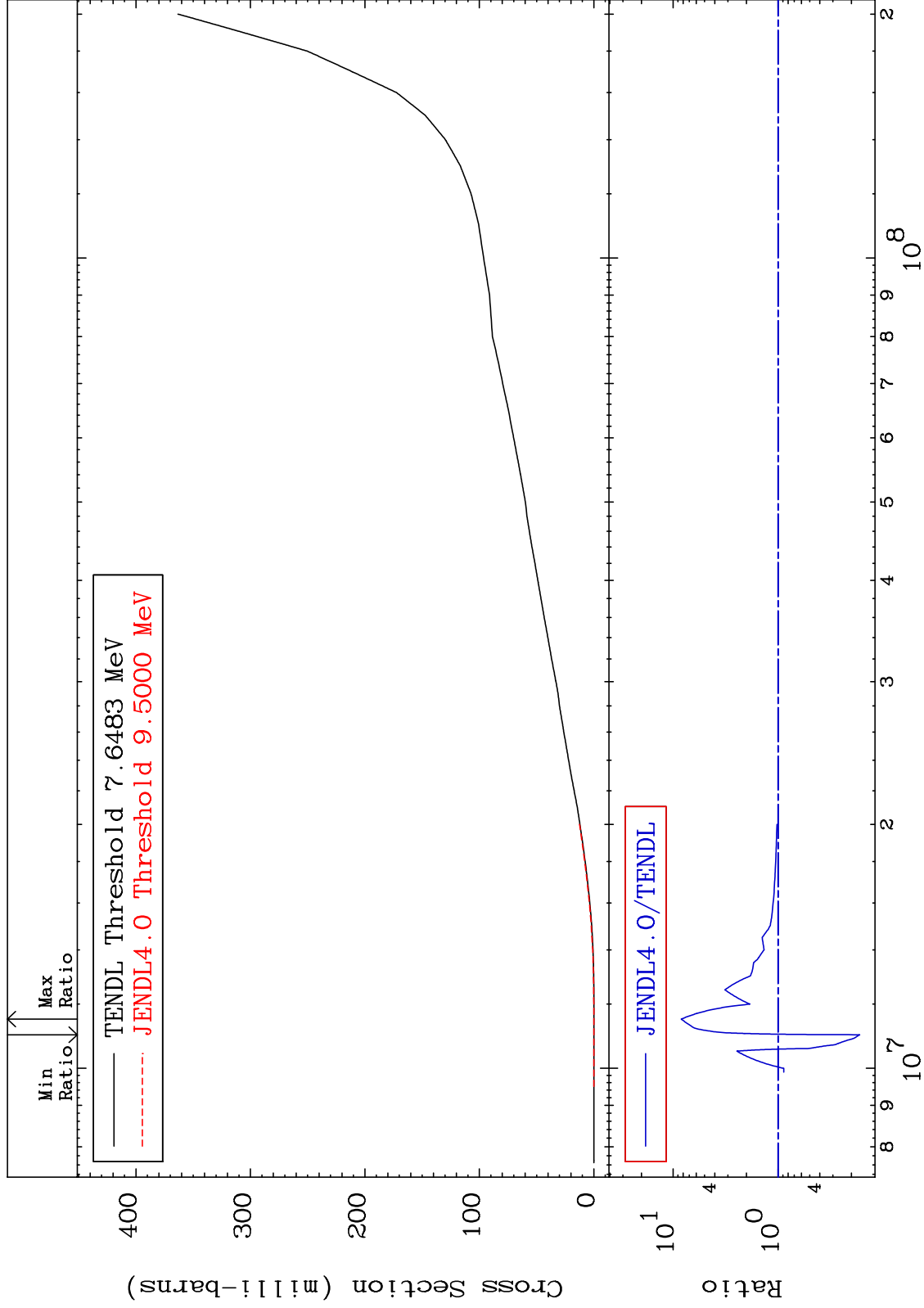
Incident Energy (eV)

36-Kr-83

MAT 3640

Deuterium Production
Cross Section

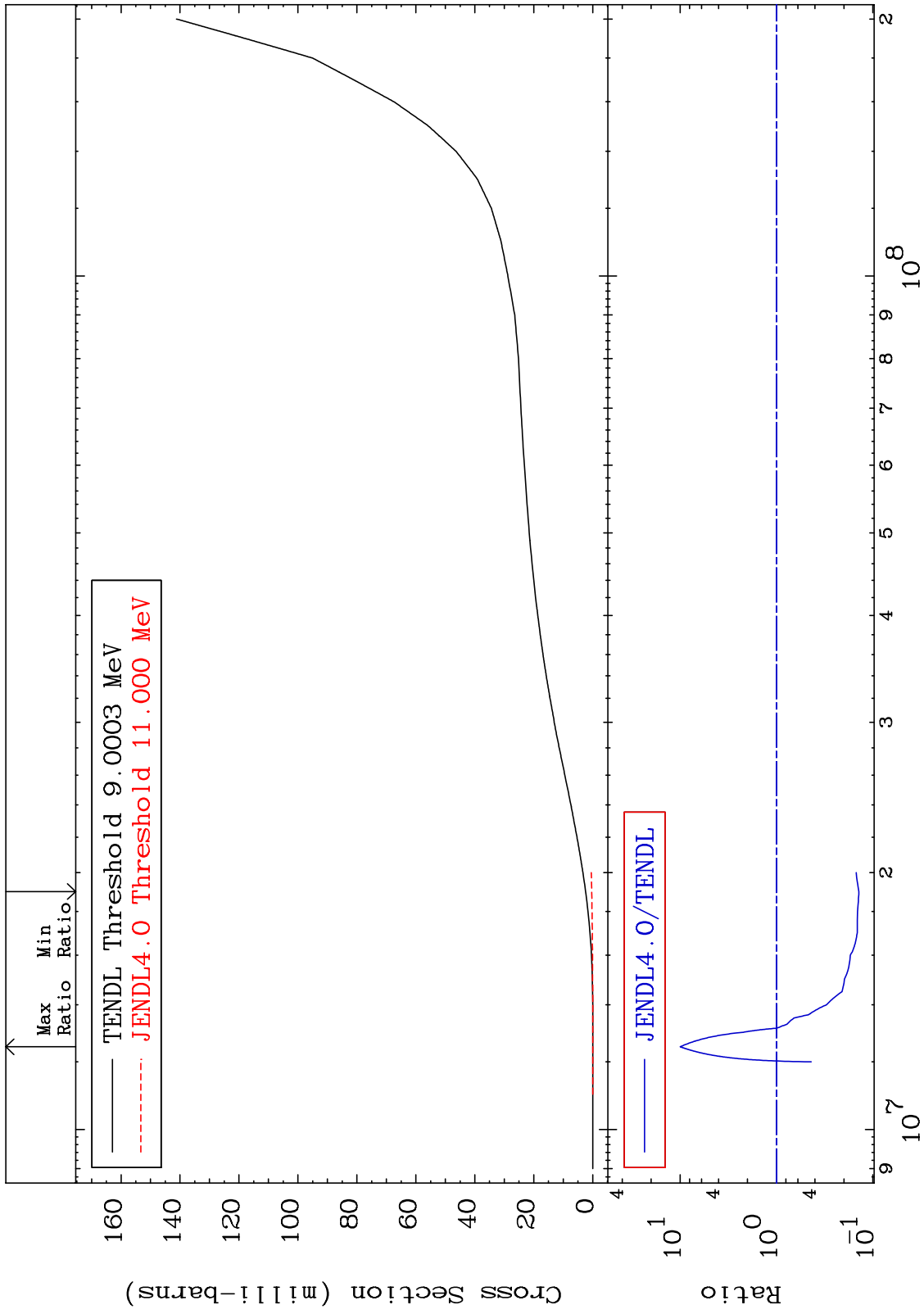
³⁶Kr-83
-83.33 To 734.8 %



40

Incident Energy (eV)

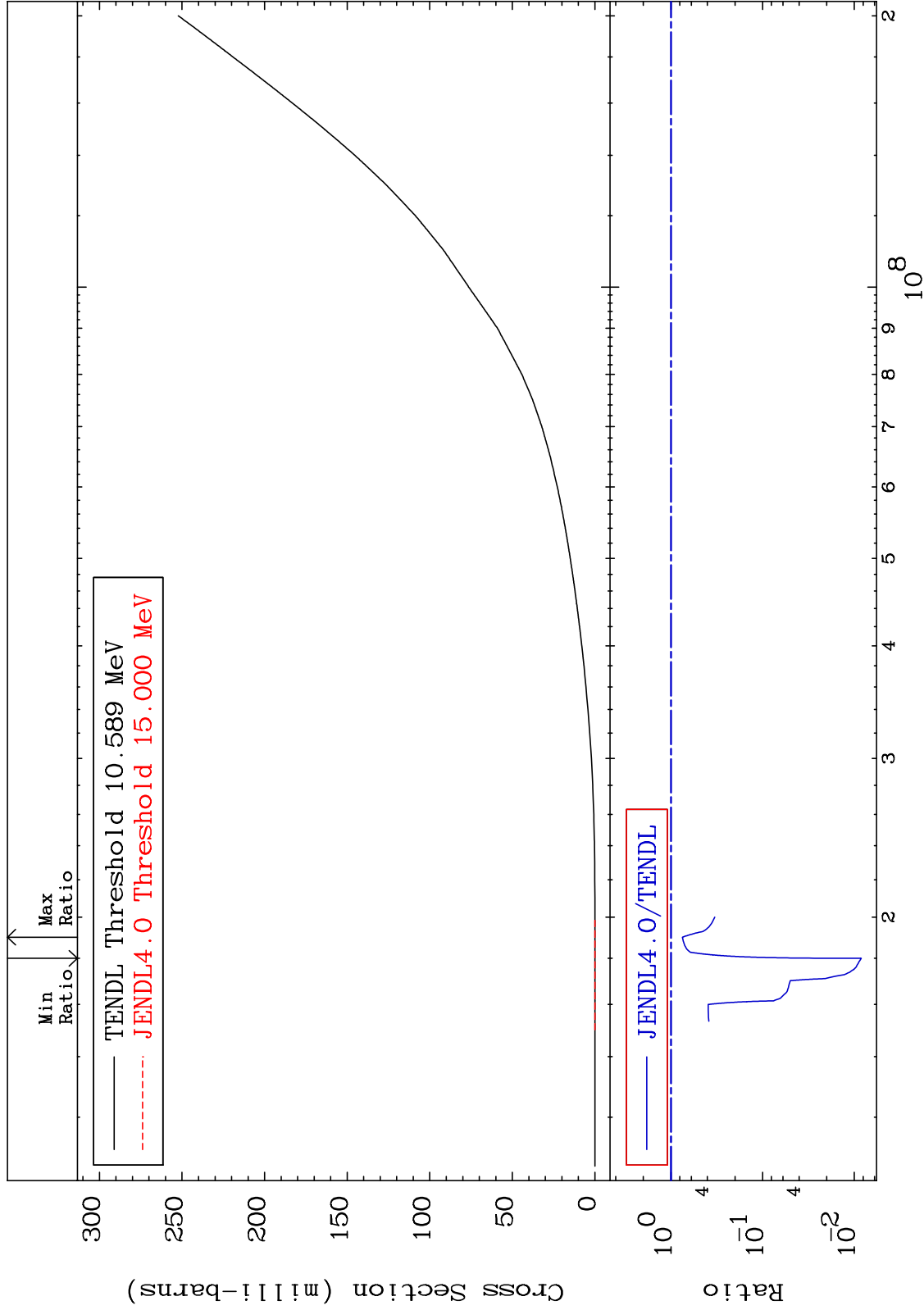
³⁶Kr-83



MAT 3640

He-3 Production
Cross Section

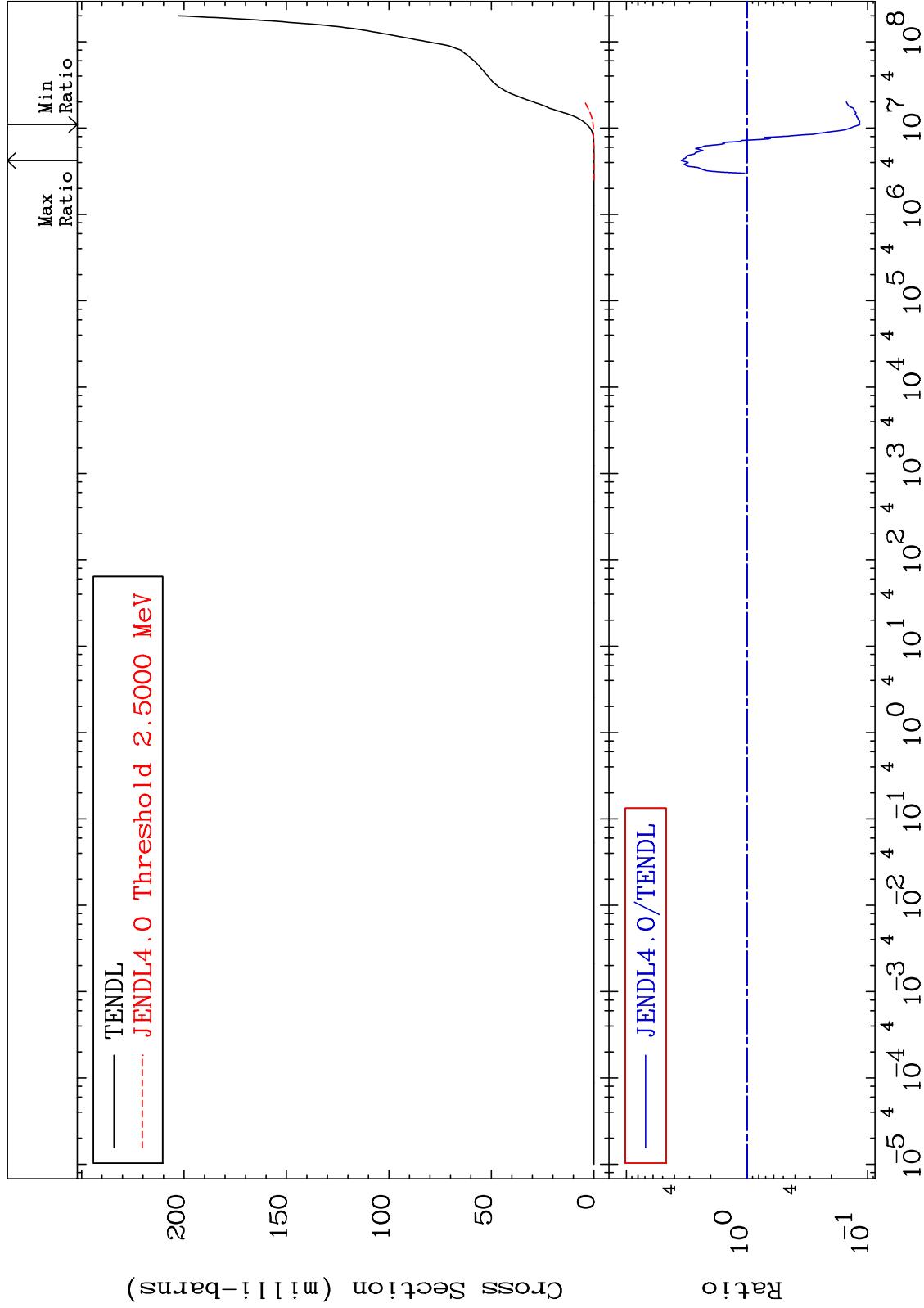
36-Kr-83
-99.16 To -25.14%



MAT 3640

He-4 Production
Cross Section

36-Kr-83
-88.37 To 250.8 %

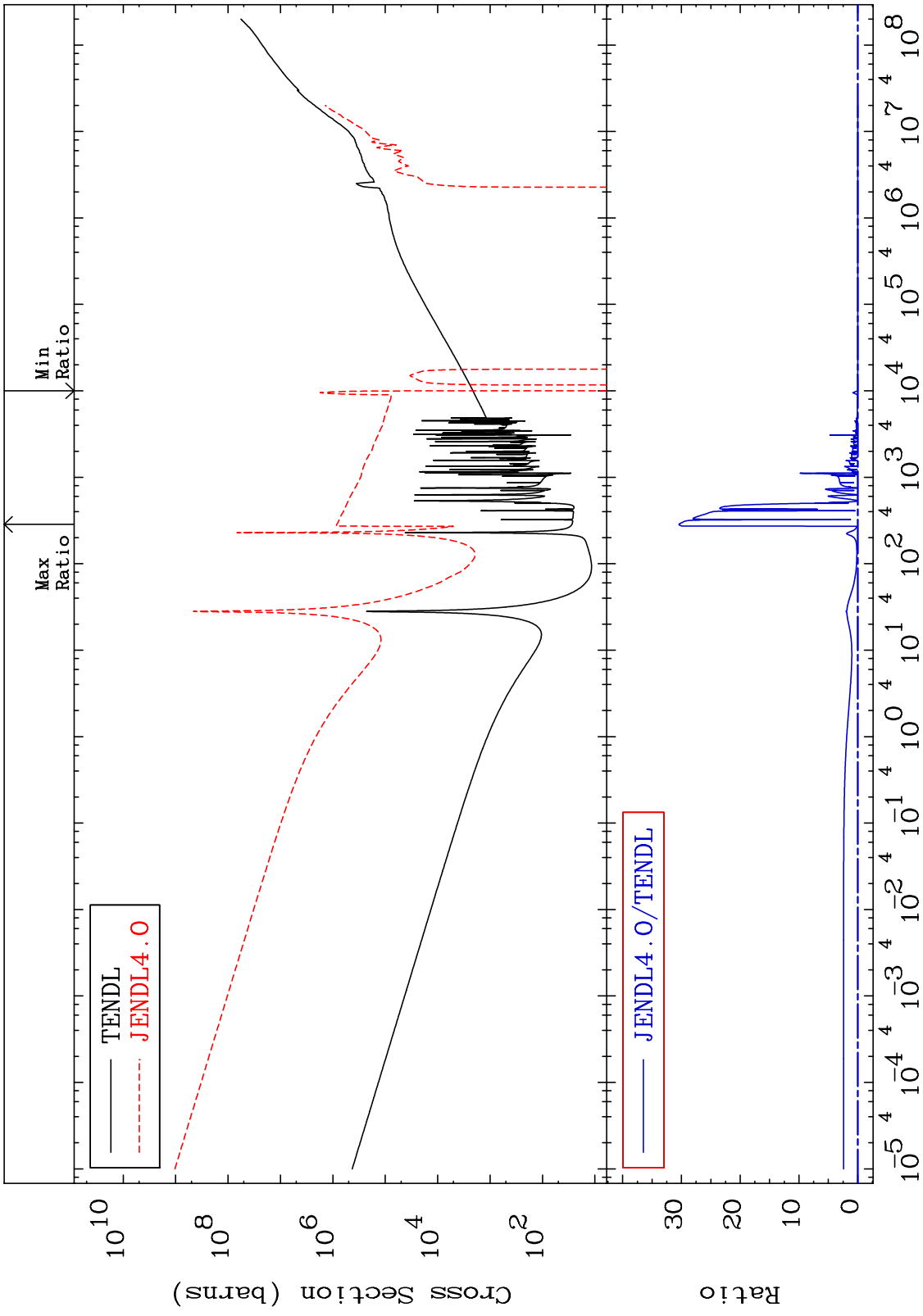


43

Incident Energy (eV)

36-Kr-83

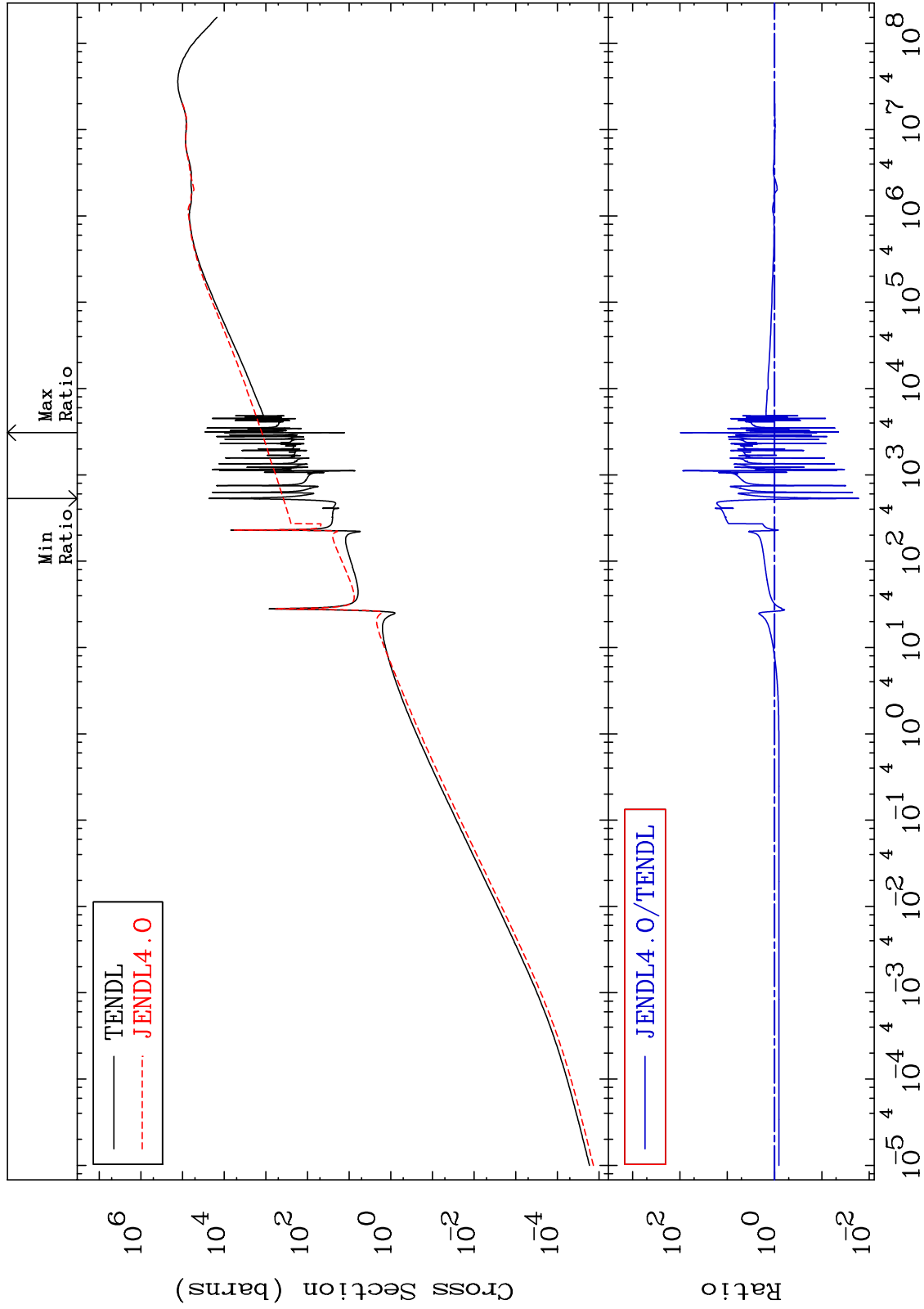
MAT 3640 Kerma total (eV-barns) Cross Section 36-Kr-83 -1872. To 9999. %



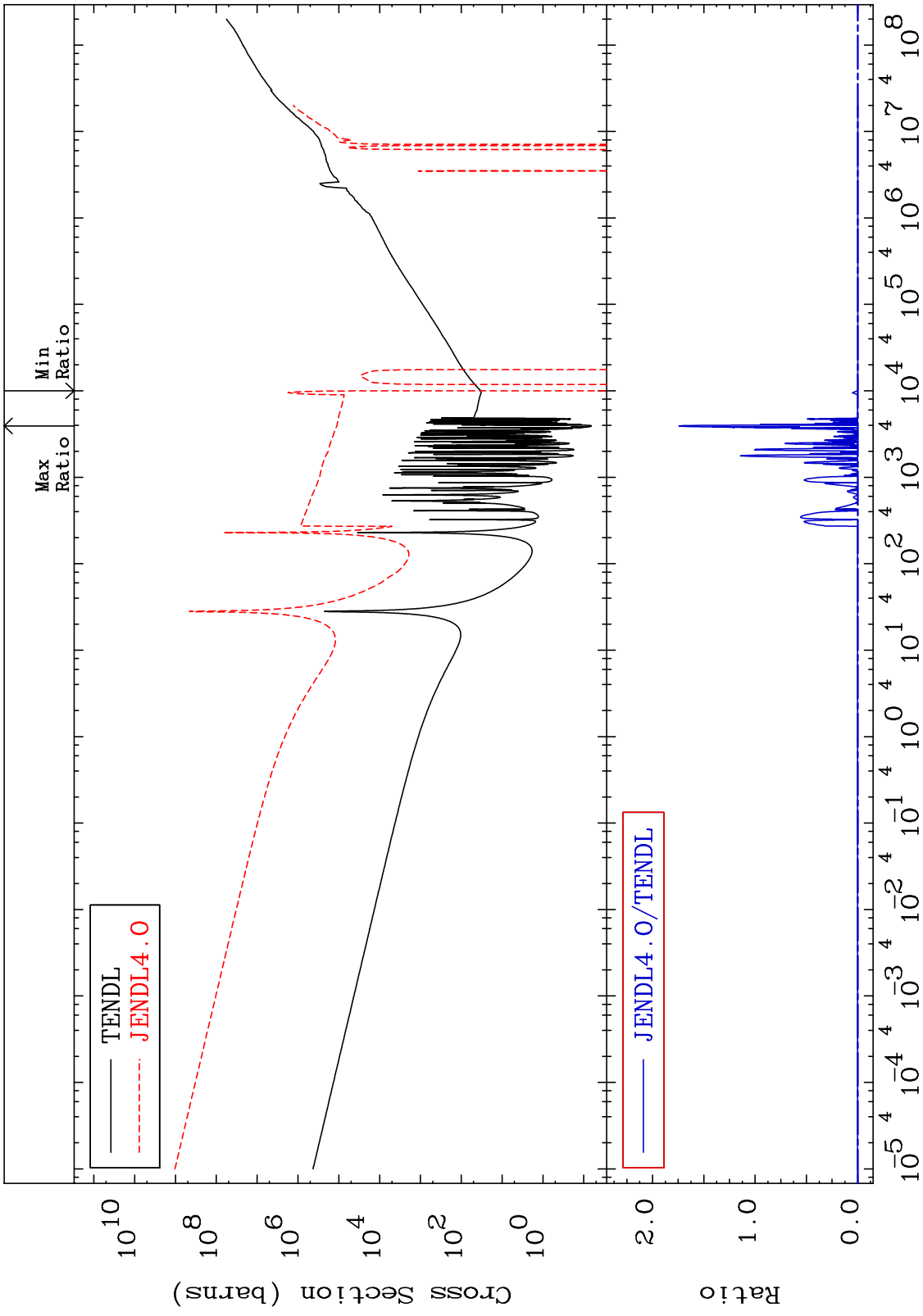
MAT 3640

Kerma elastic
Cross Section

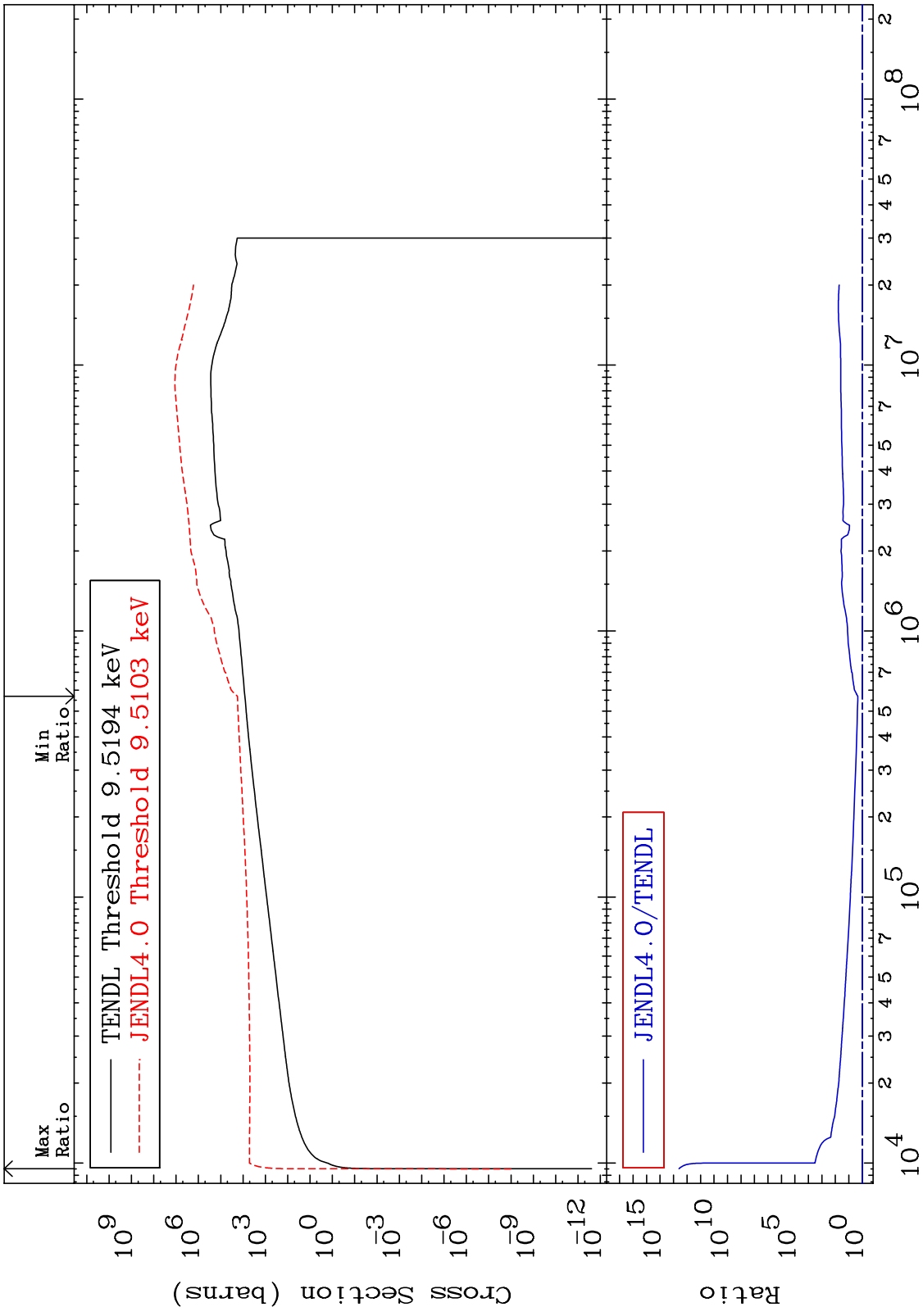
36-Kr-83
-98.36 To 9526. %



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



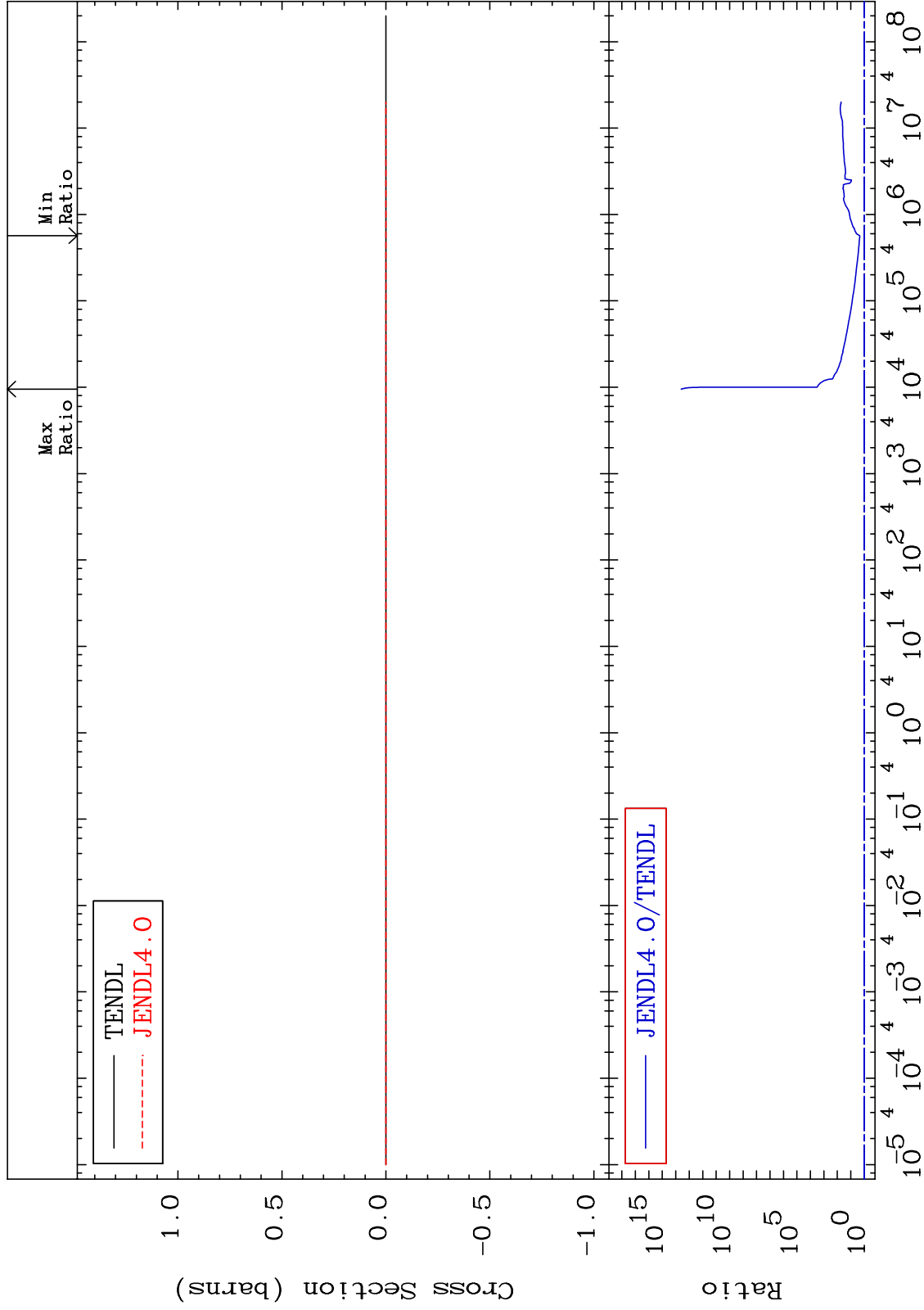
MAT 3640 Kerma inelastic (mt51-91) 36-Kr-83
 Cross Section 115.7 To 9999. %

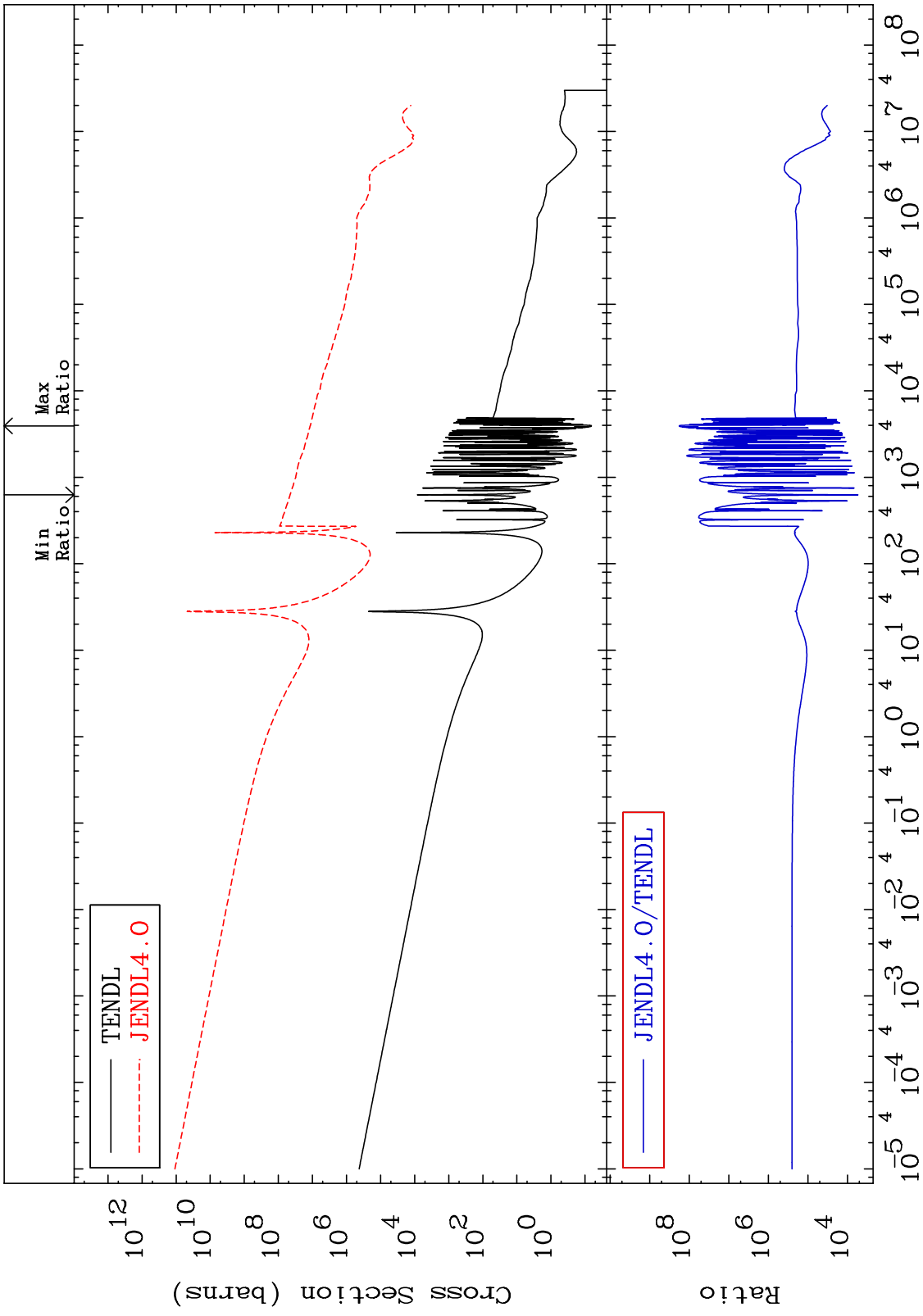


MAT 3640

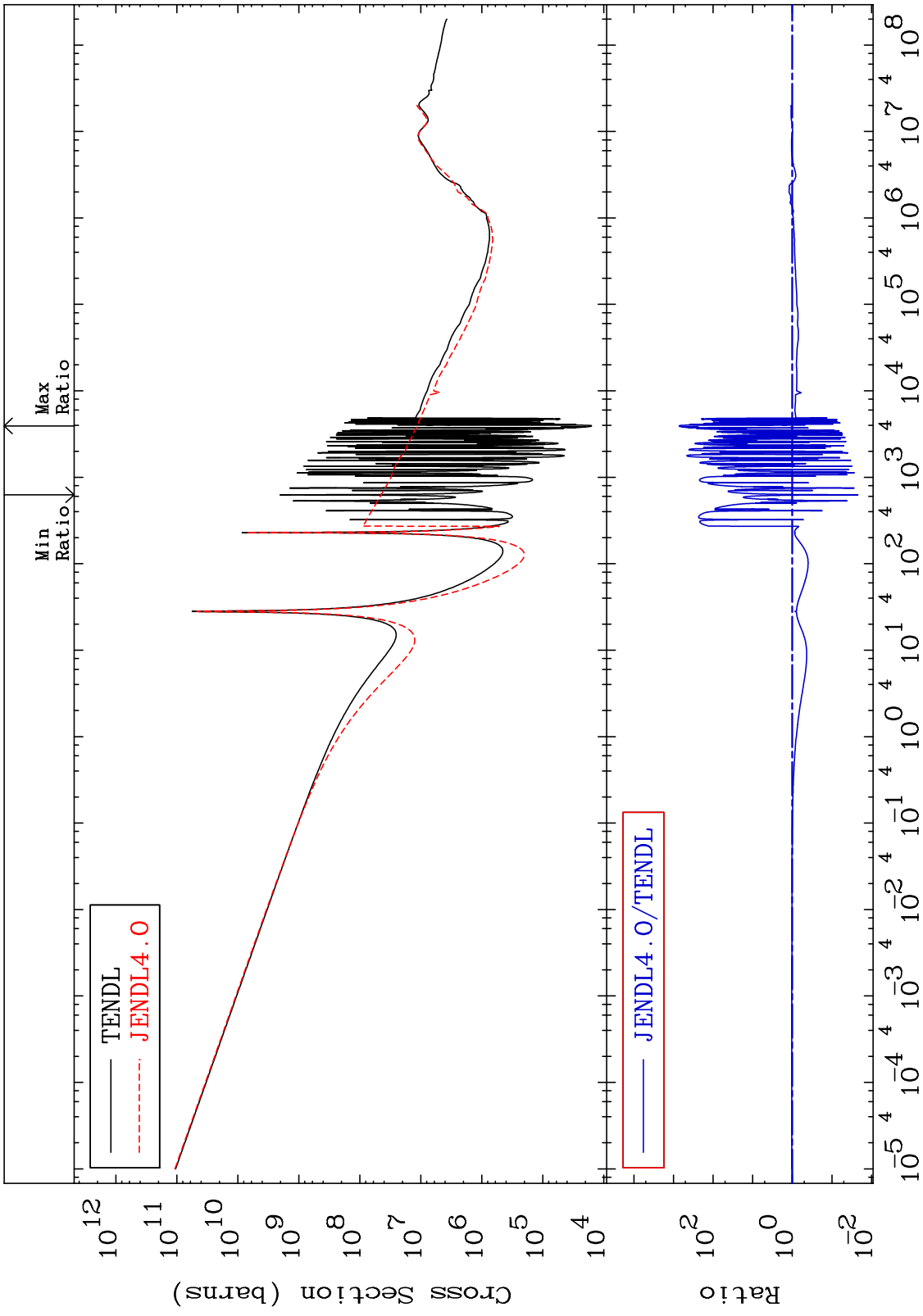
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

36-Kr-83
115.7 To 9999. %



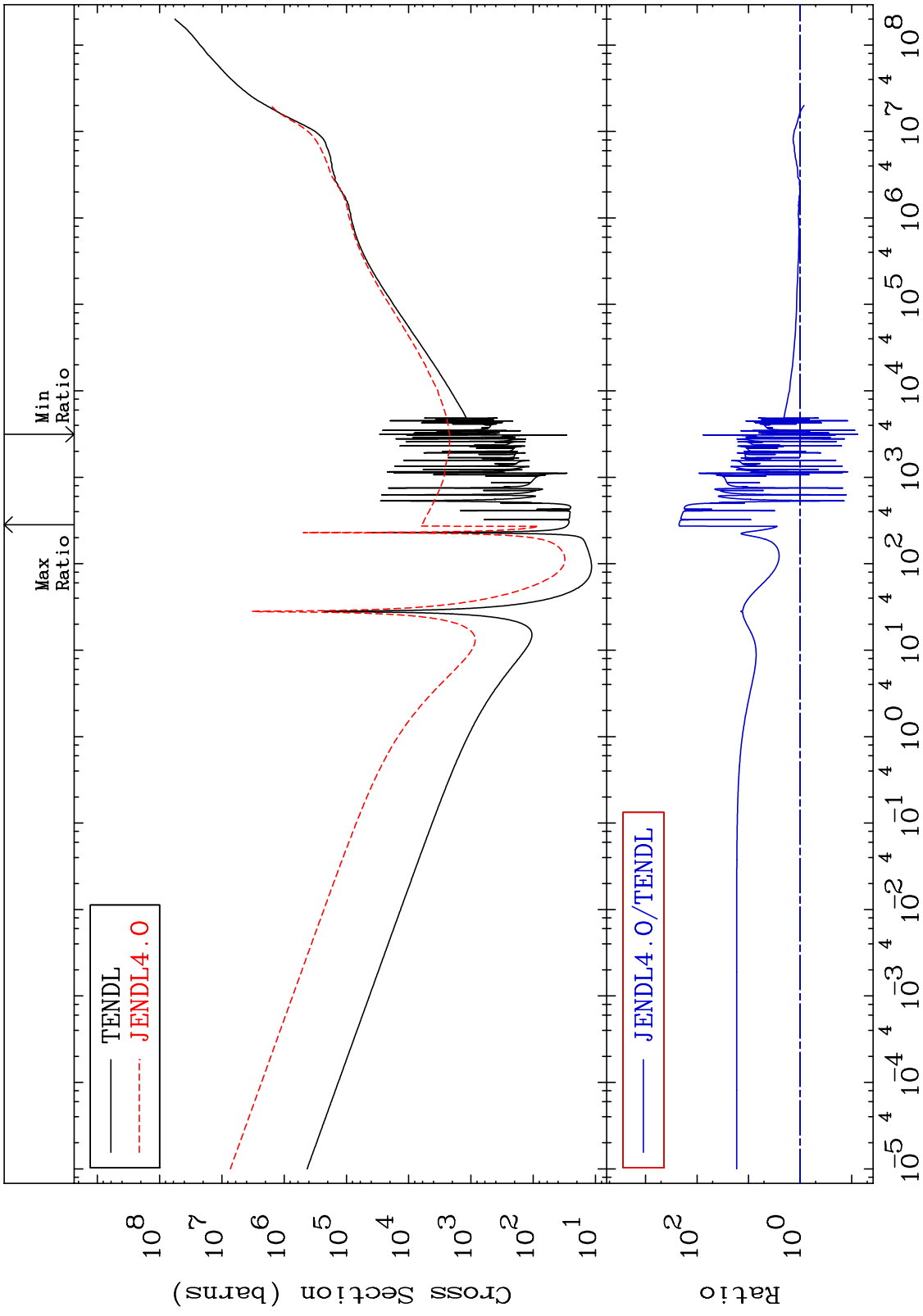


MAT 3640 36-Kr-83
 Total photon (eV-barns) -97.78 To 9999. %
 Cross Section

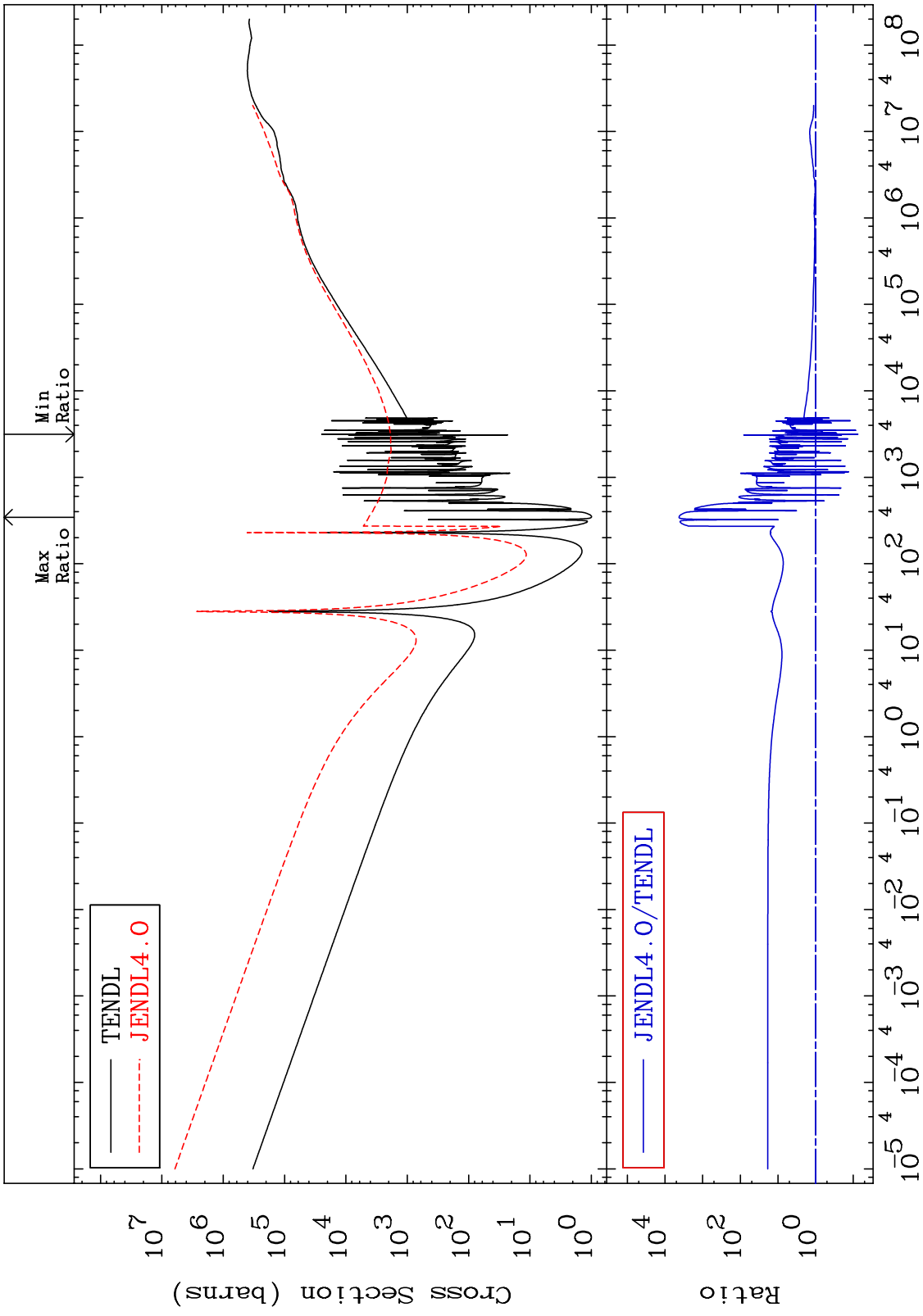


Incident Energy (eV) 36-Kr-83

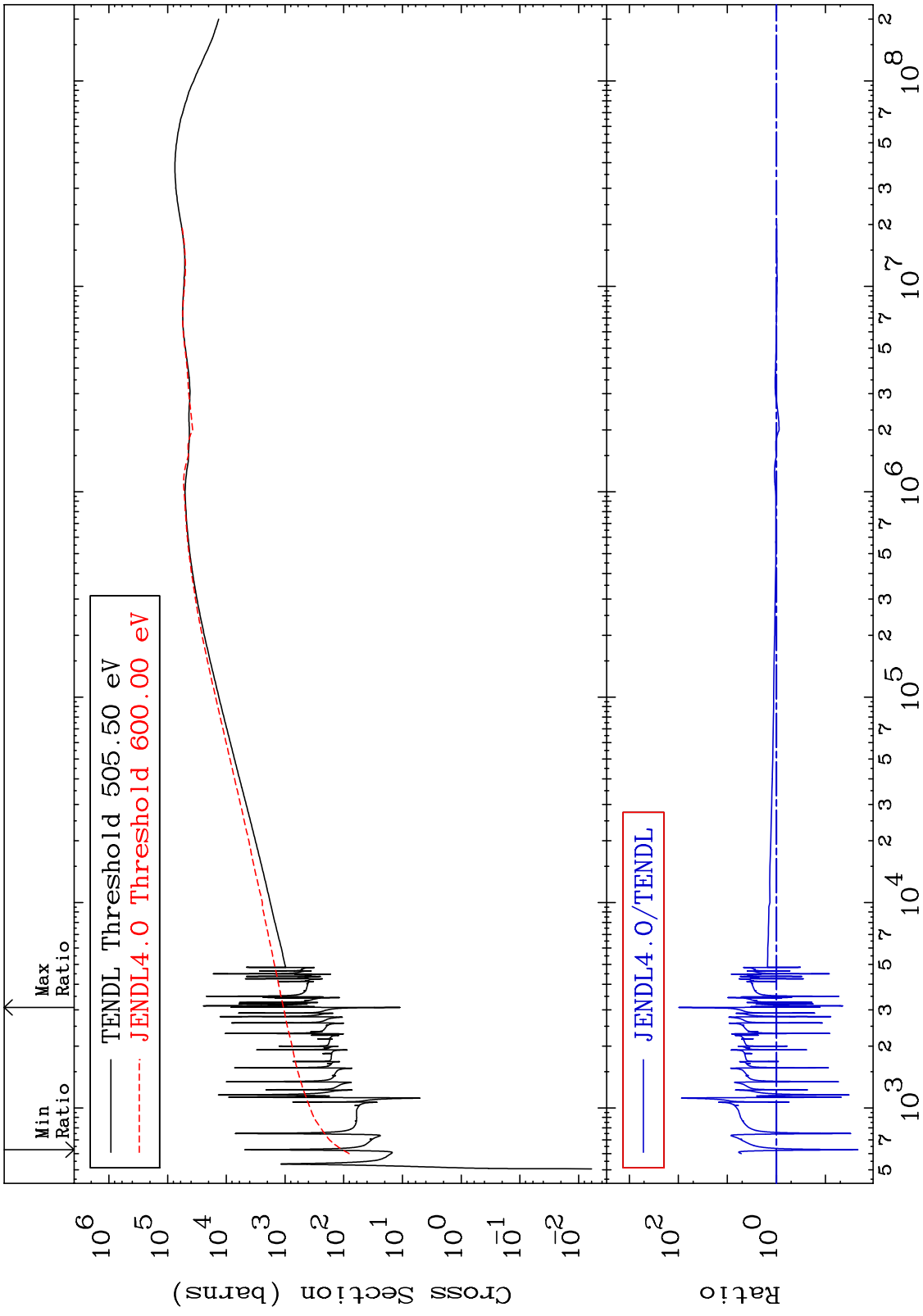
MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
 Cross Section -92.41 To 9999. %



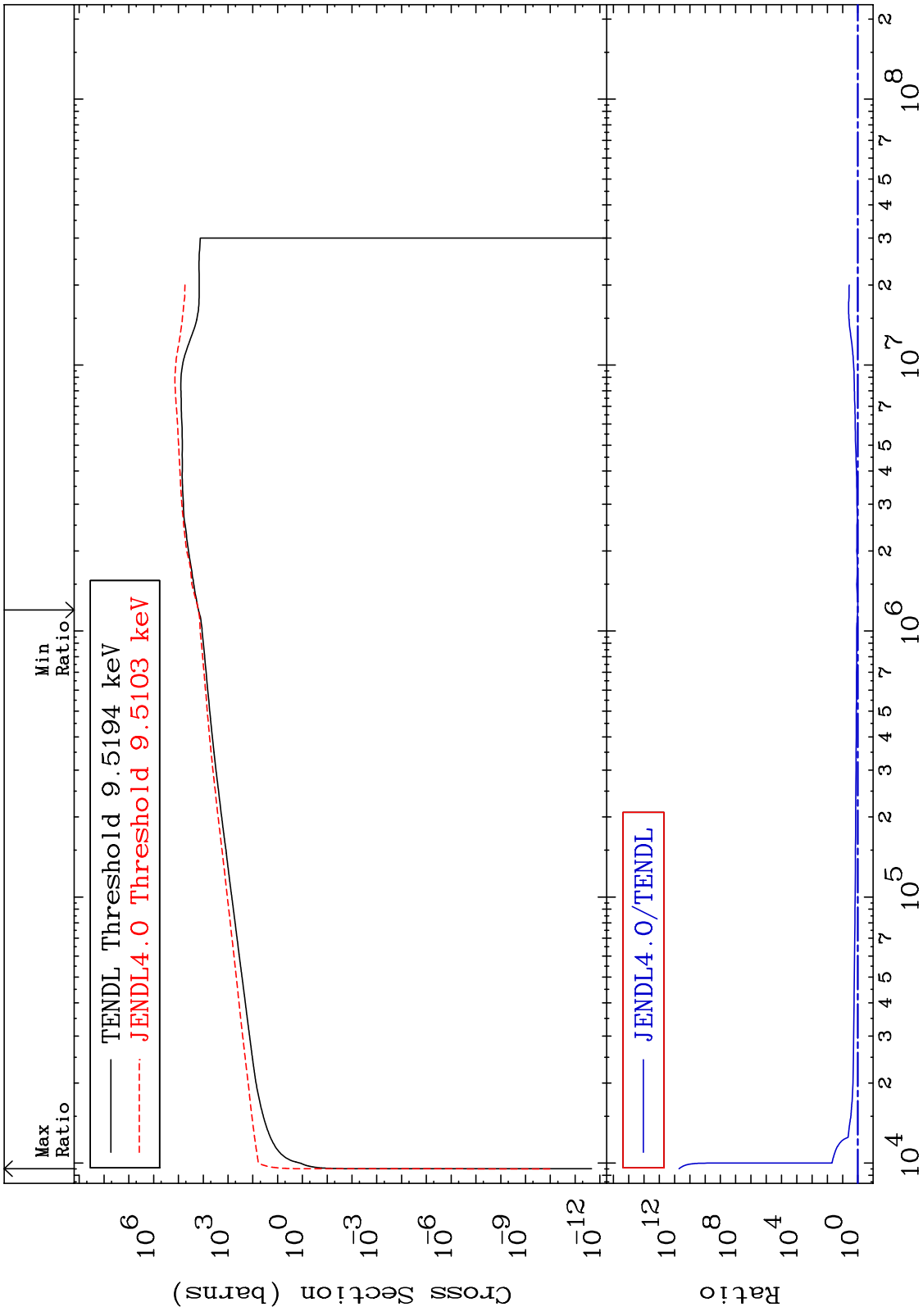
MAT 3640 Dpa total (eV-barns) 36-Kr-83
 Cross Section -92.44 To 9999. %



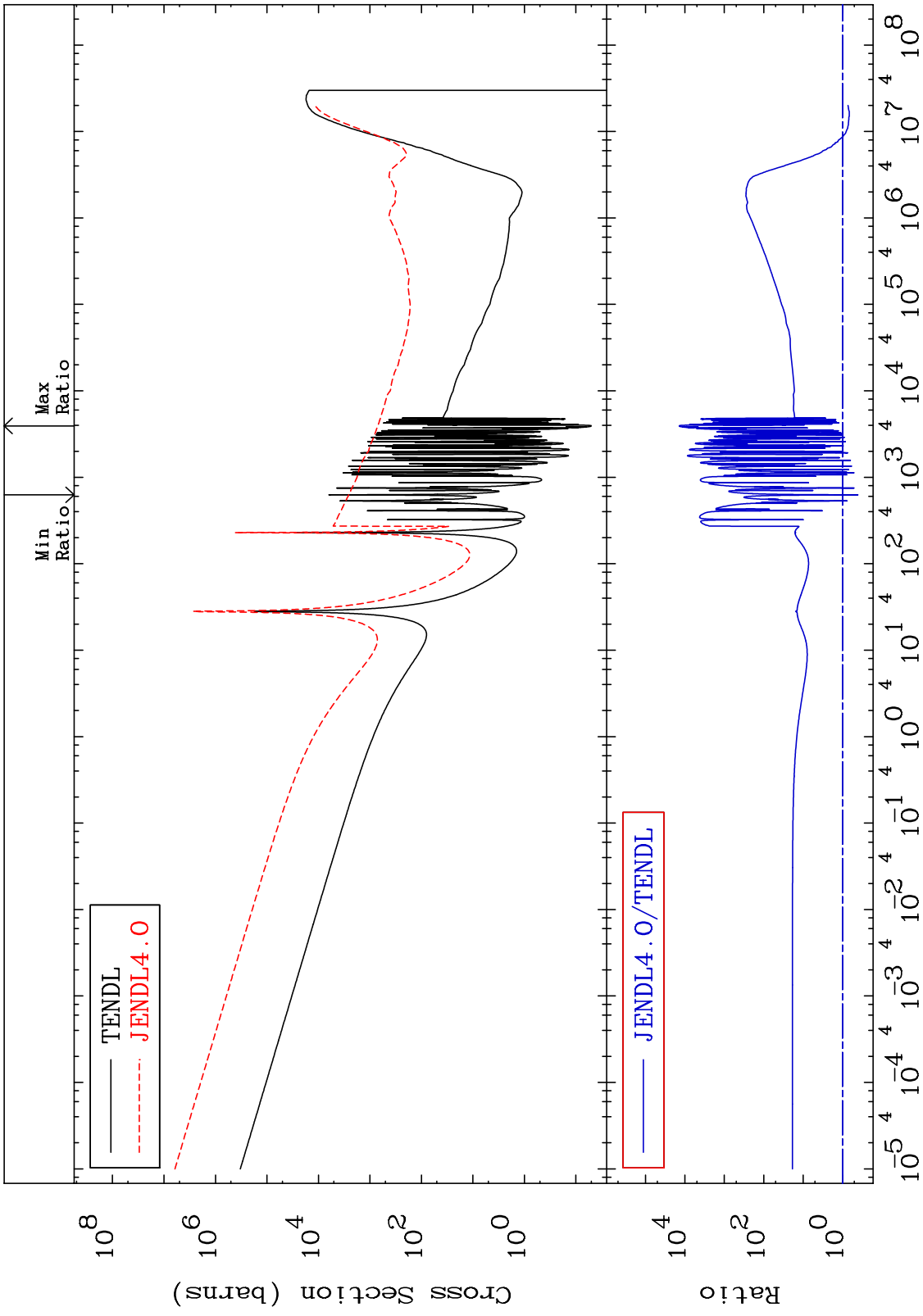
52 Incident Energy (eV) 36-Kr-83



MAT 3640 Dpa inelastic (mt51-91) 36-Kr-83
 Cross Section 0.814 To 9999. %



MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83
 Cross Section -59.29 To 9999. %



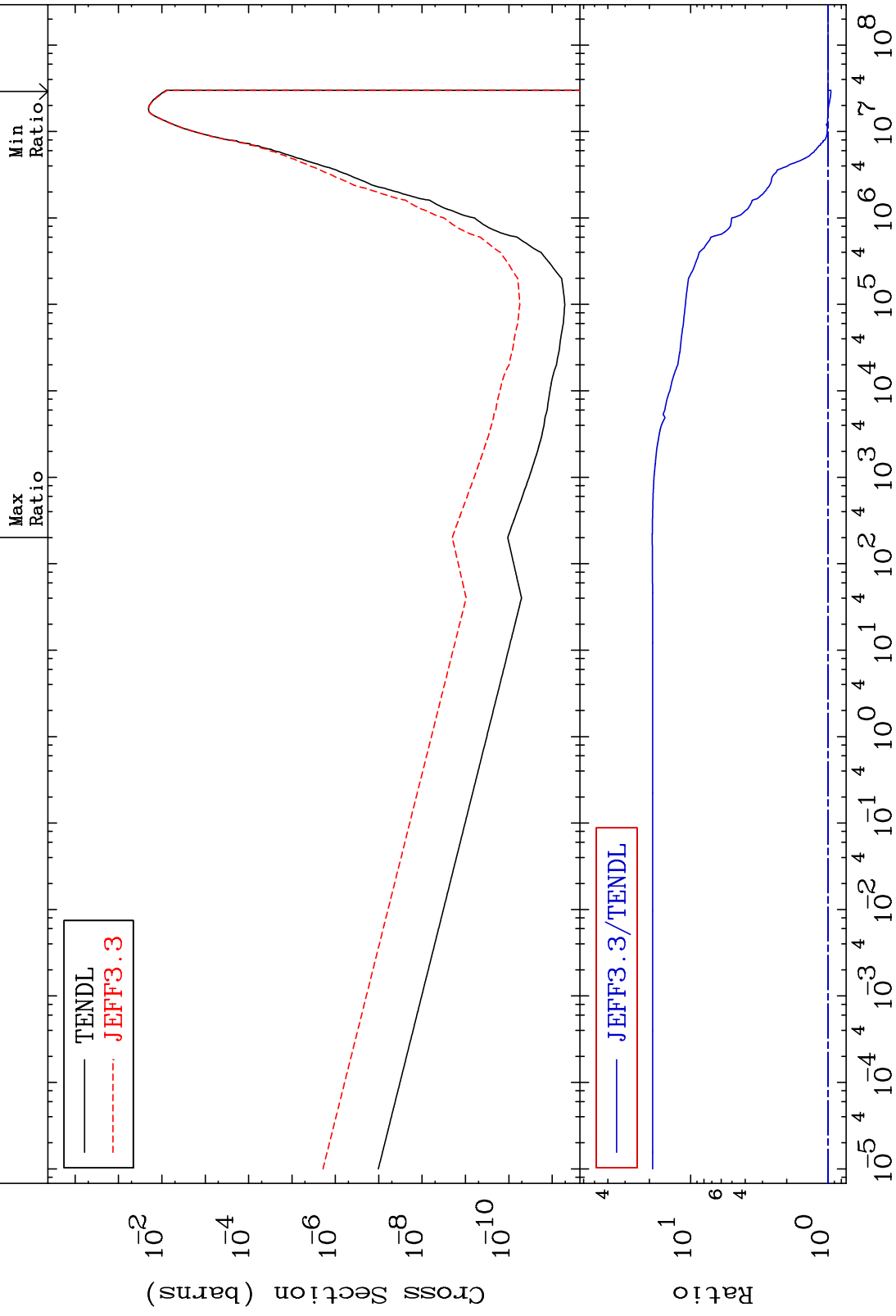
MAT 3640

(n, α)

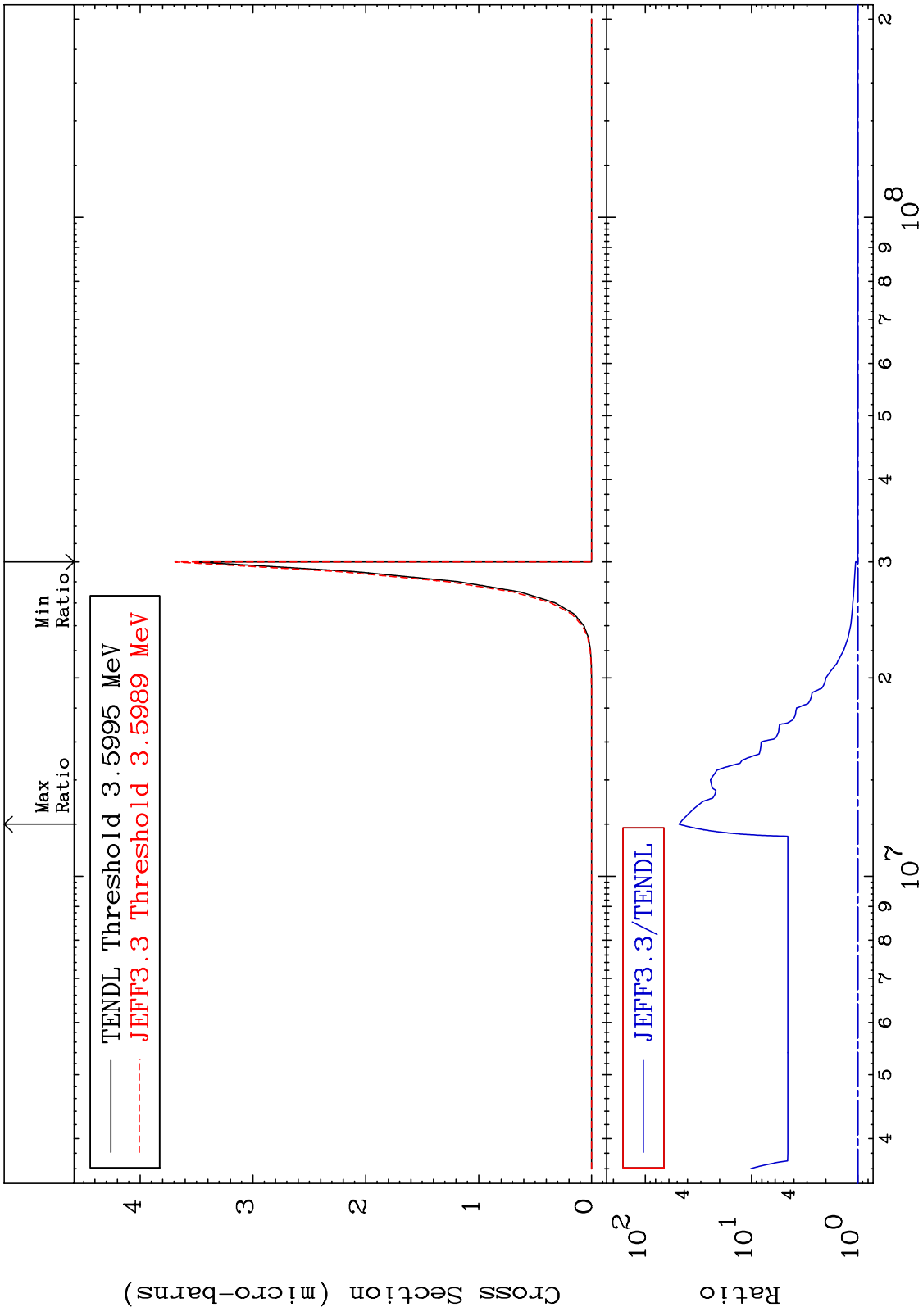
36-Kr-83

-4.685 To 1802. %

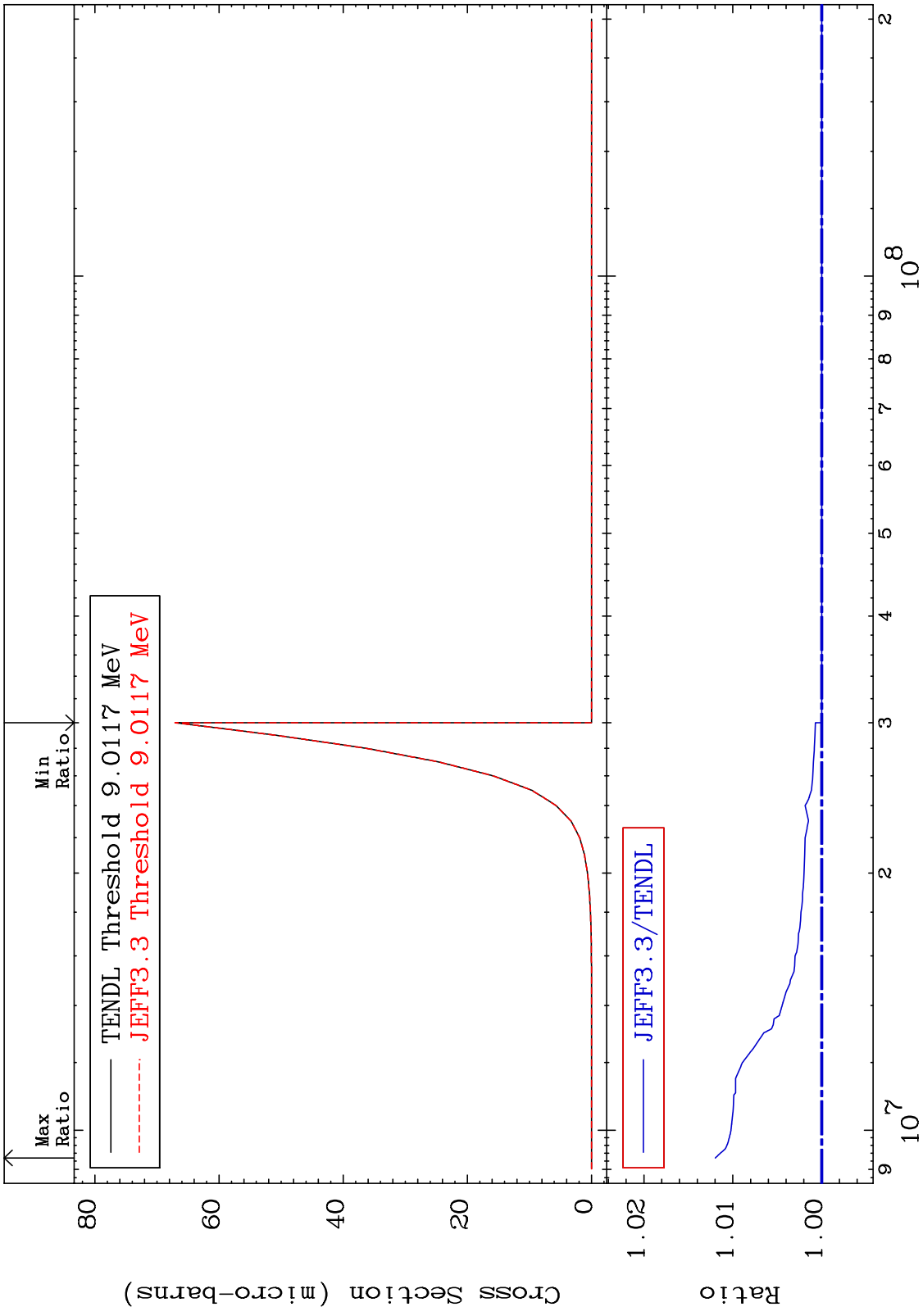
Cross Section



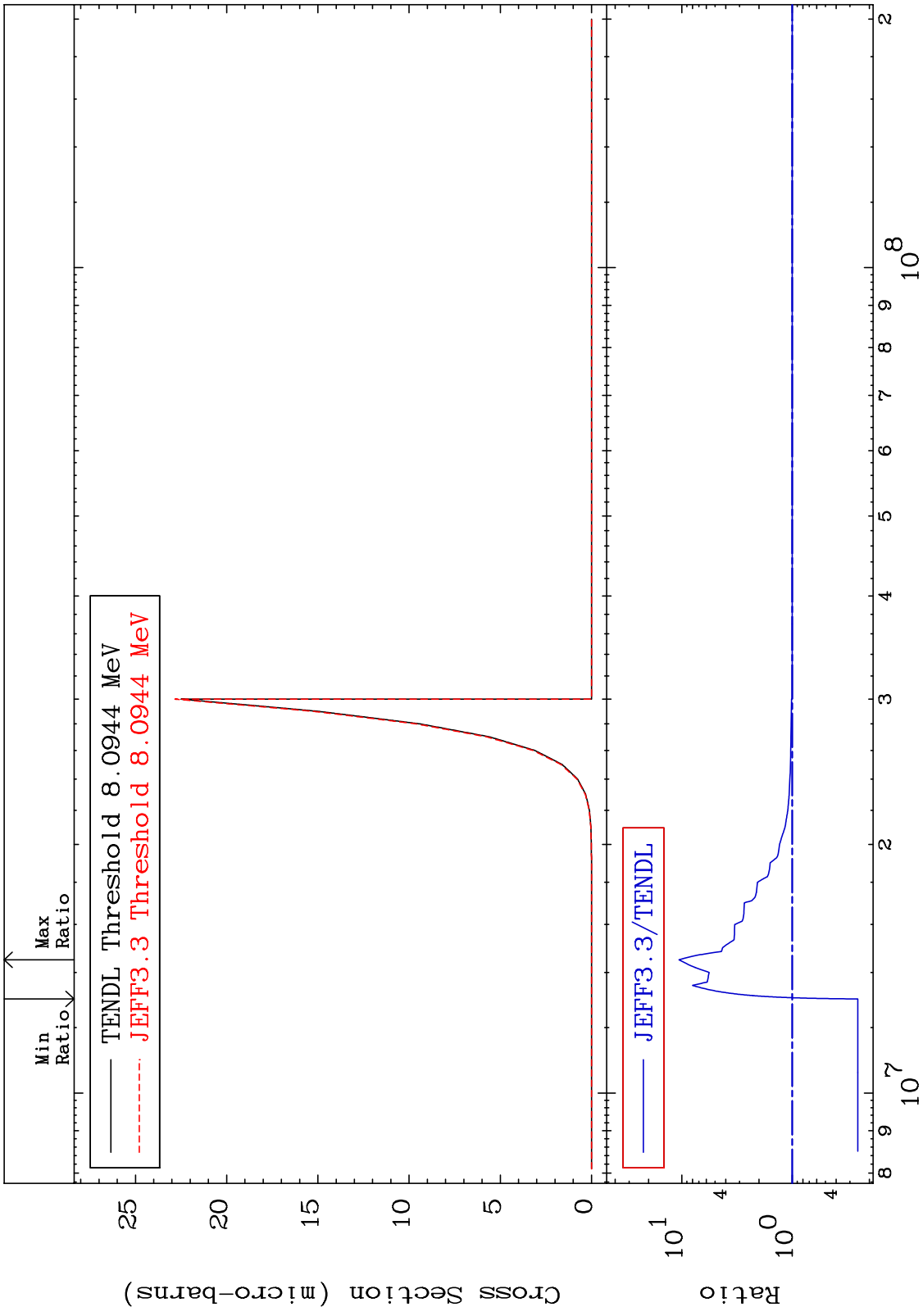
MAT 3640 $(n, 2\alpha)$ Cross Section 36-Kr-83 To 4712. %



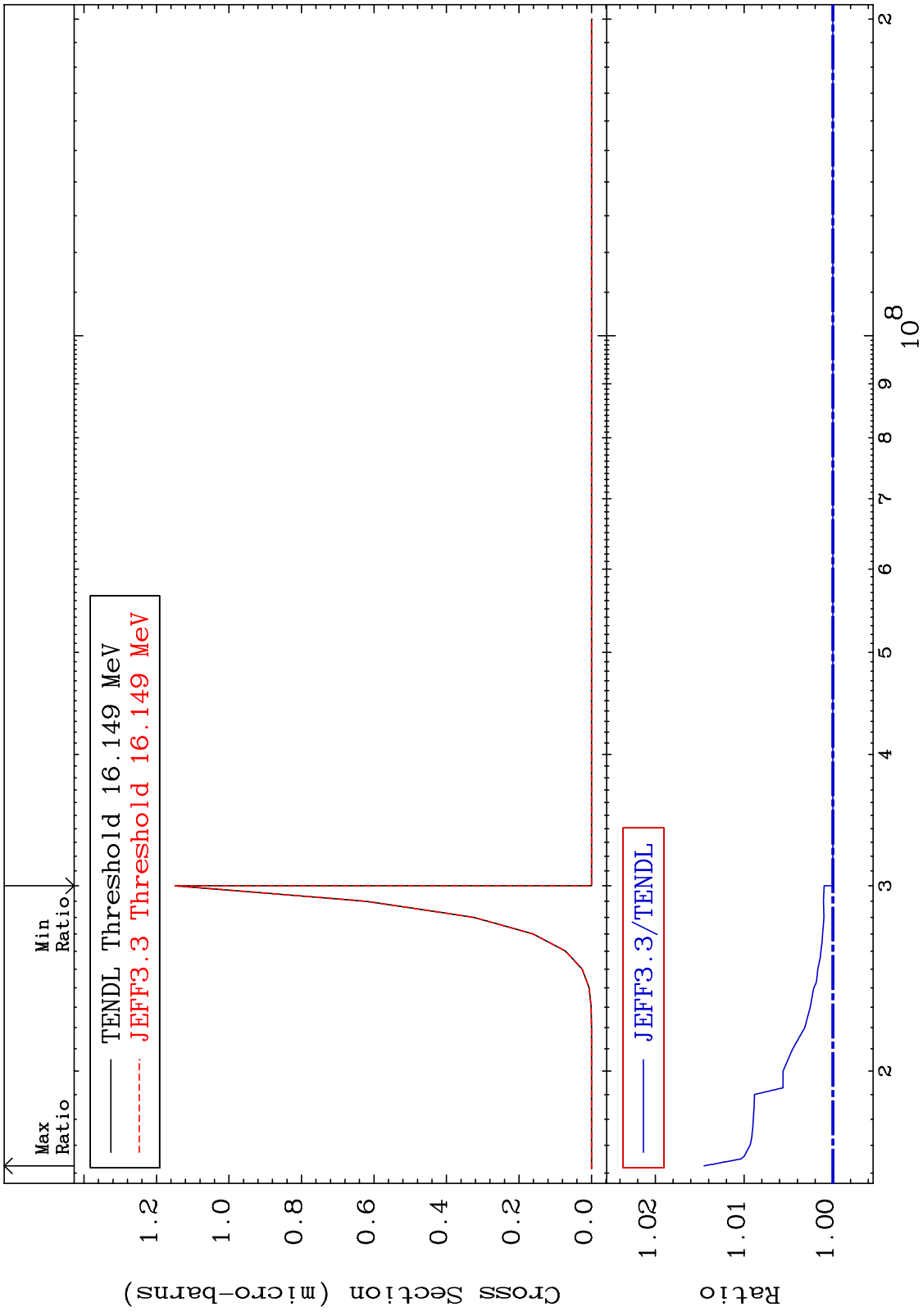
MAT 3640 (n,2p) Cross Section 36-Kr-83 To 1.198 %



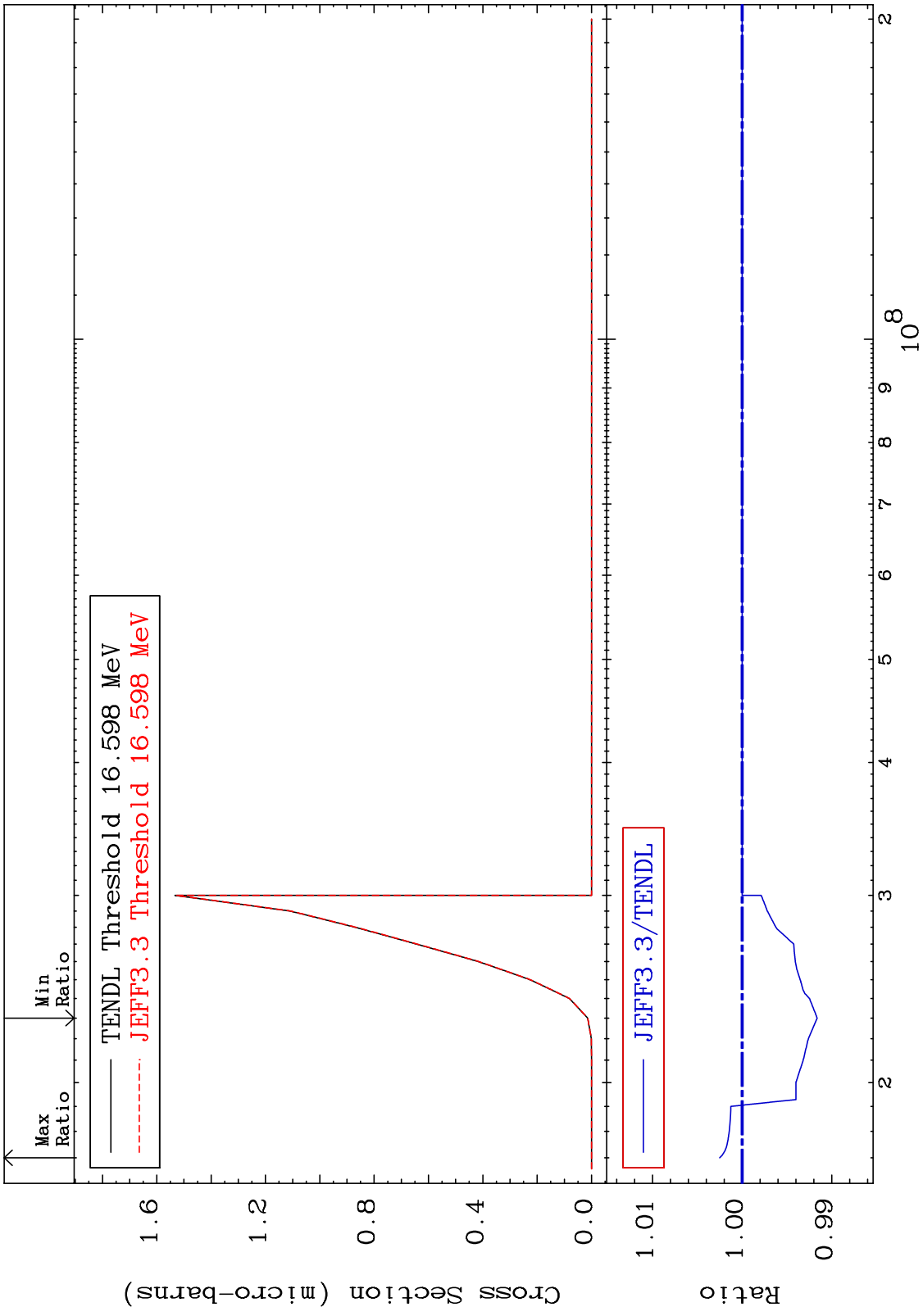
MAT 3640 $(n,p) \alpha$ 36-Kr-83
 Cross Section -74.52 To 958.0 %



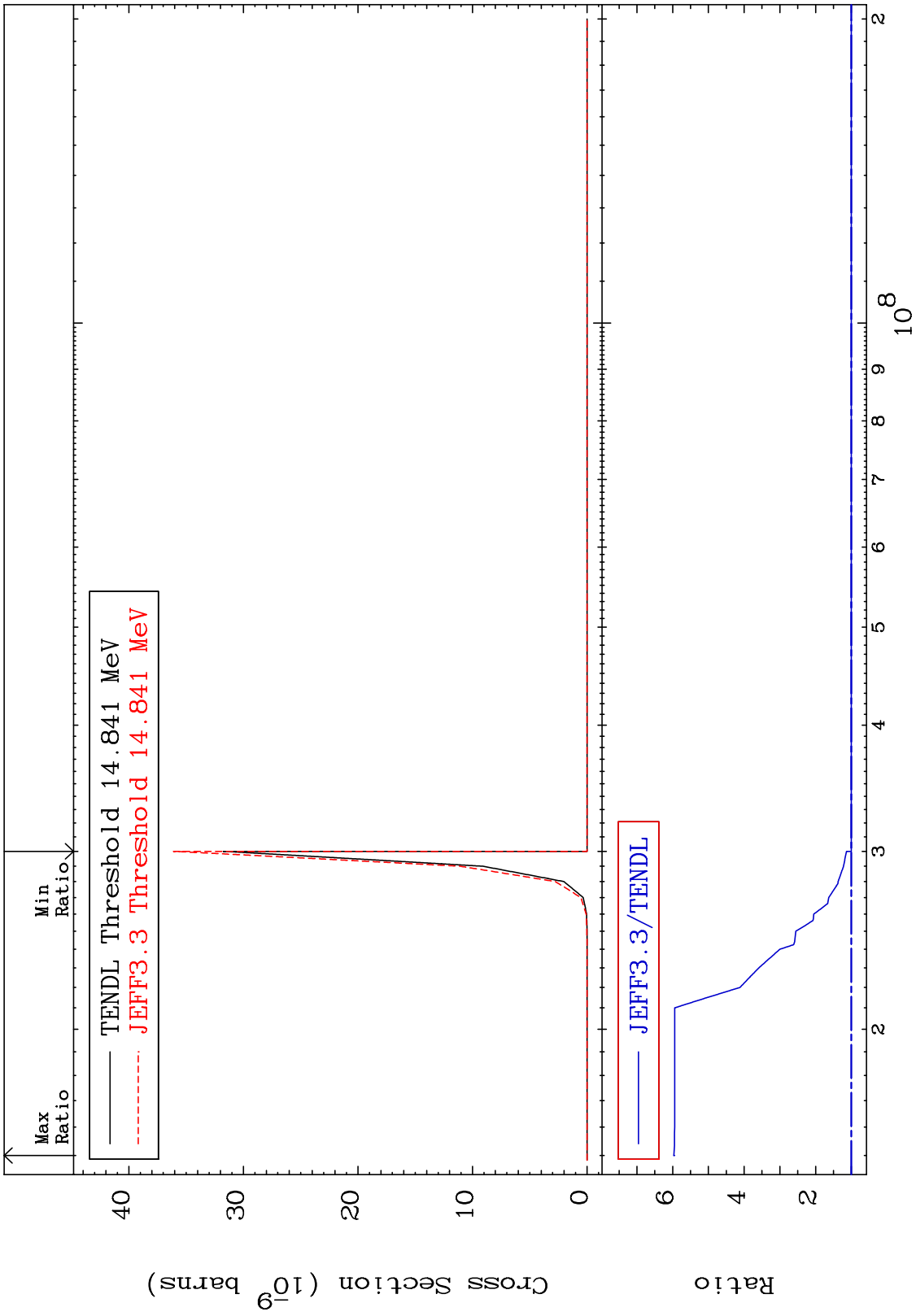
MAT 3640 (n,p) d 36-Kr-83
 Cross Section 0.000 To 1.452 %



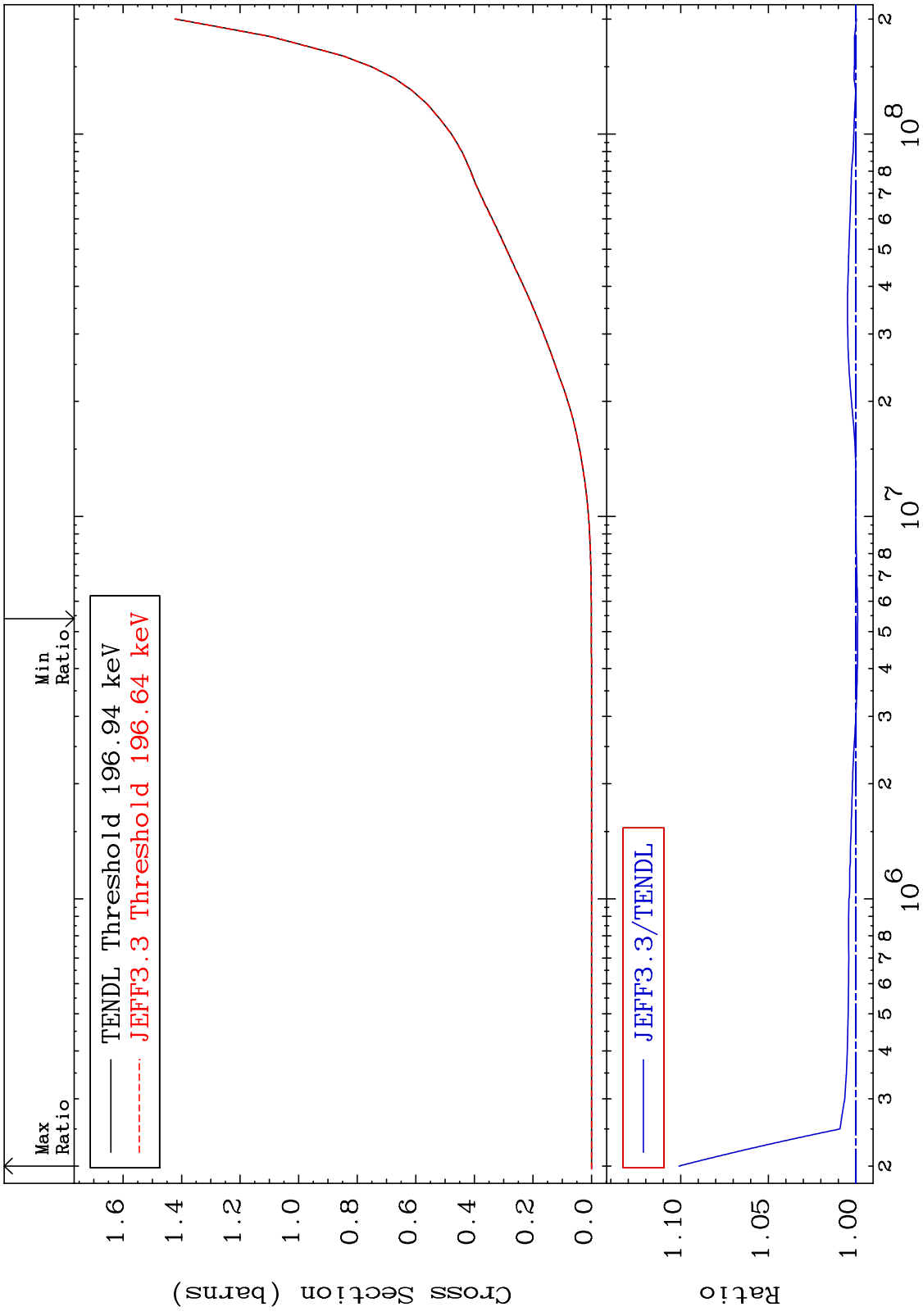
MAT 3640 (n,p) t 36-Kr-83
 Cross Section -0.836 To 0.251 %



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



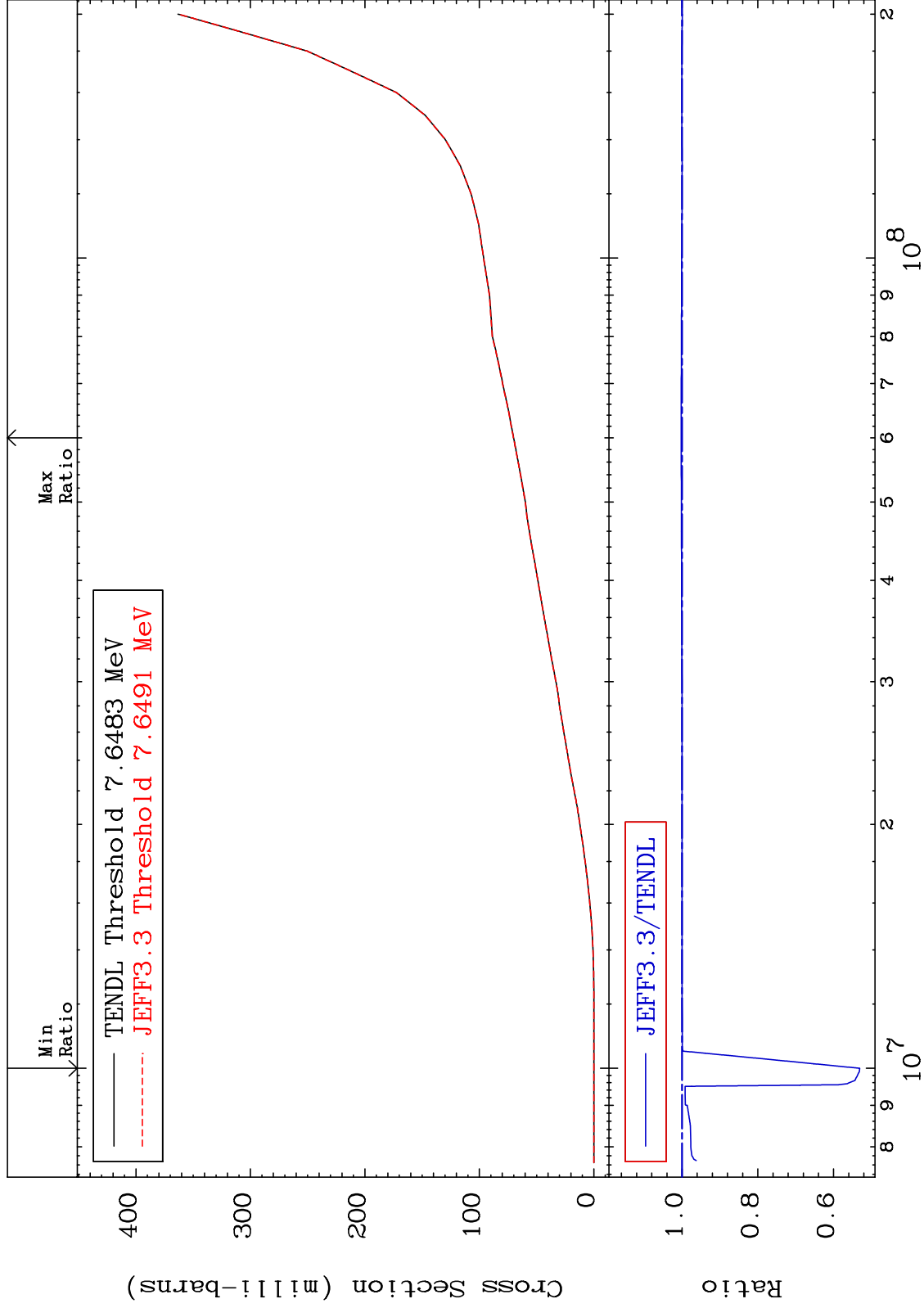
MAT 3640 Hydrogen Production Cross Section 36-Kr-83
 -0.114 To 10.10 %



MAT 3640

Deuterium Production
Cross Section

³⁶Kr-83
-46.90 To 0.214 %



64

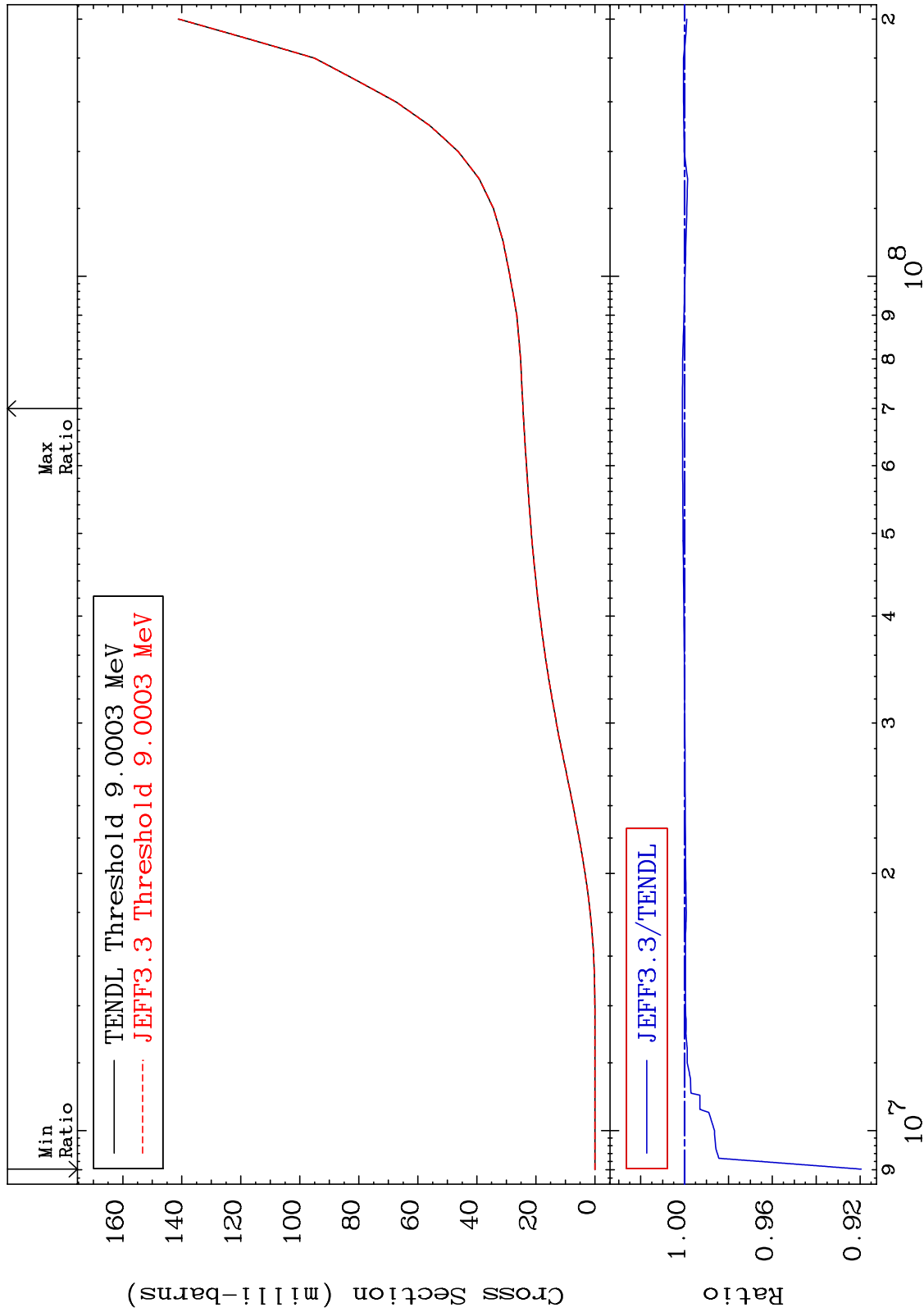
Incident Energy (eV)

³⁶Kr-83

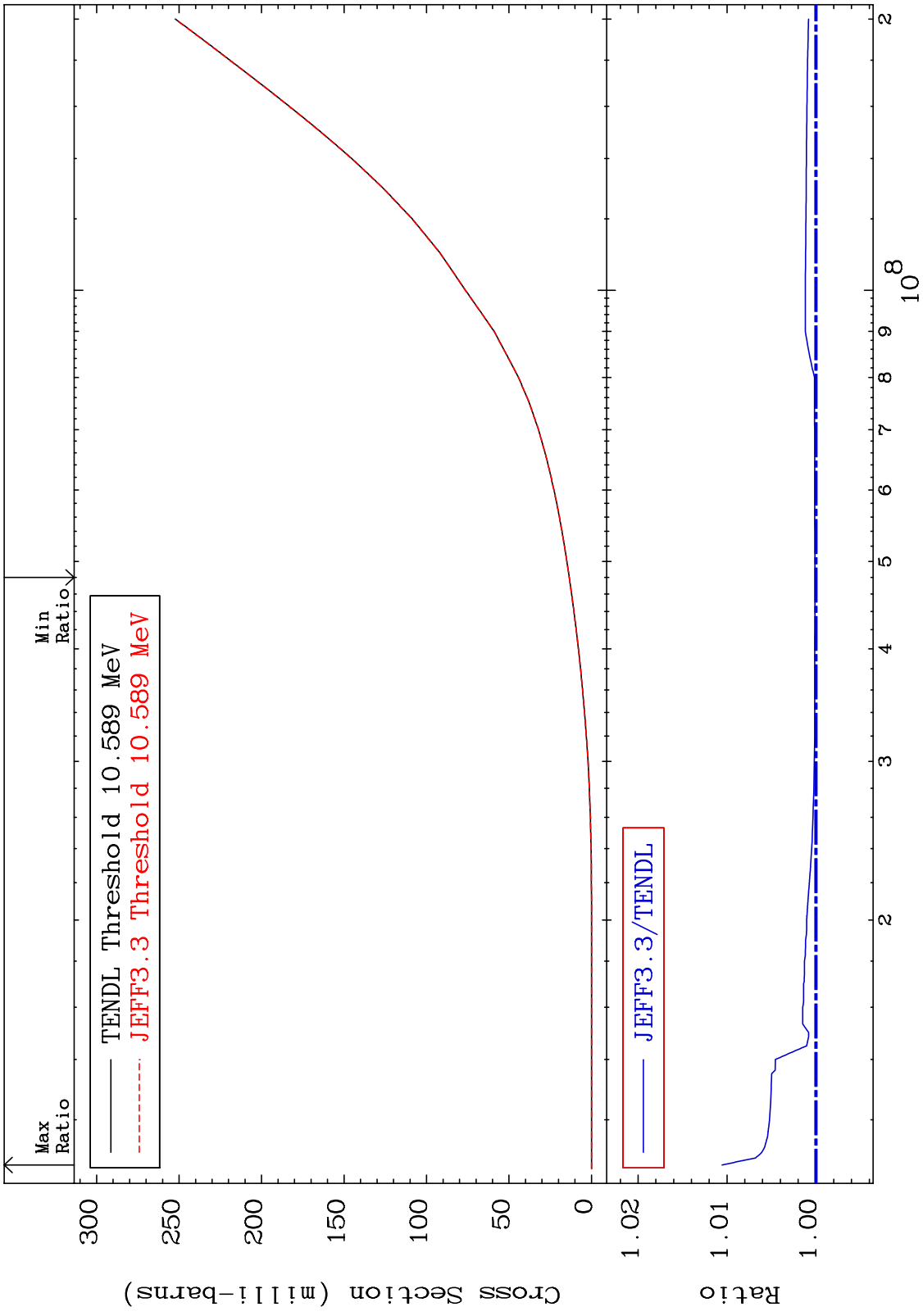
MAT 3640

Tritium Production
Cross Section

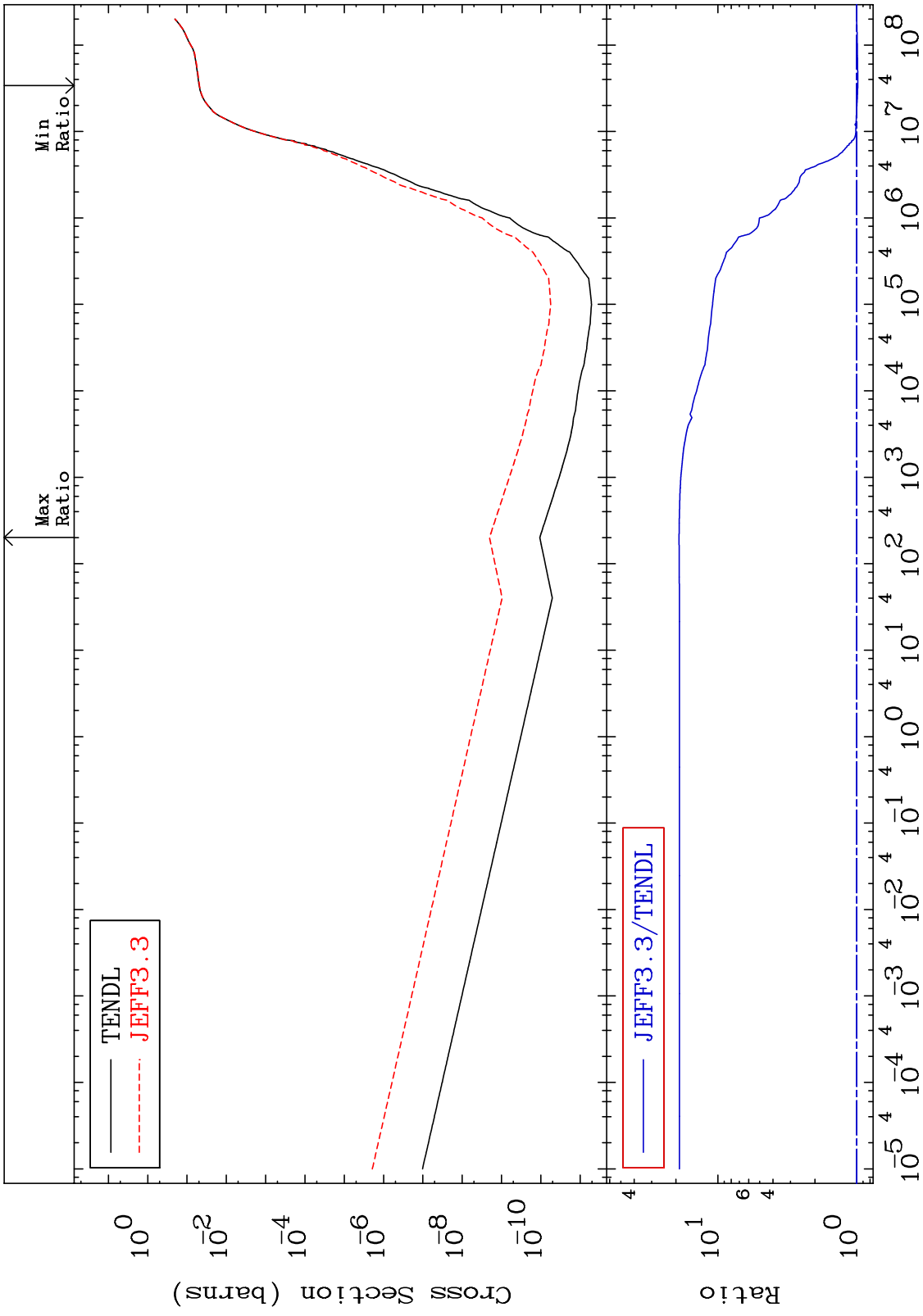
36-Kr-83
-8.056 To 0.097 %



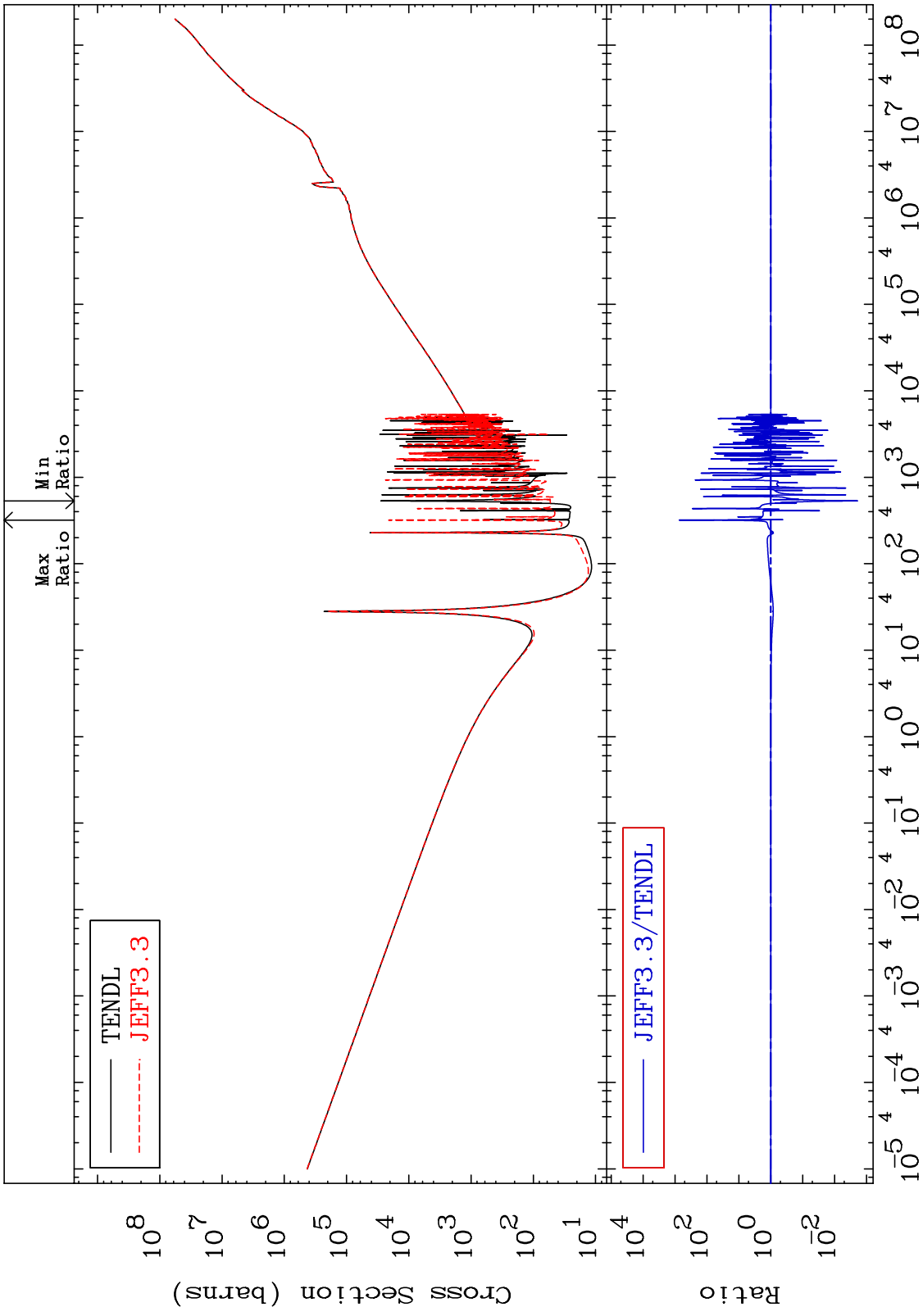
MAT 3640 He-3 Production Cross Section 36-Kr-83 To 1.057 %



MAT 3640 He-4 Production Cross Section 36-Kr-83
 -1.952 To 1802. %



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

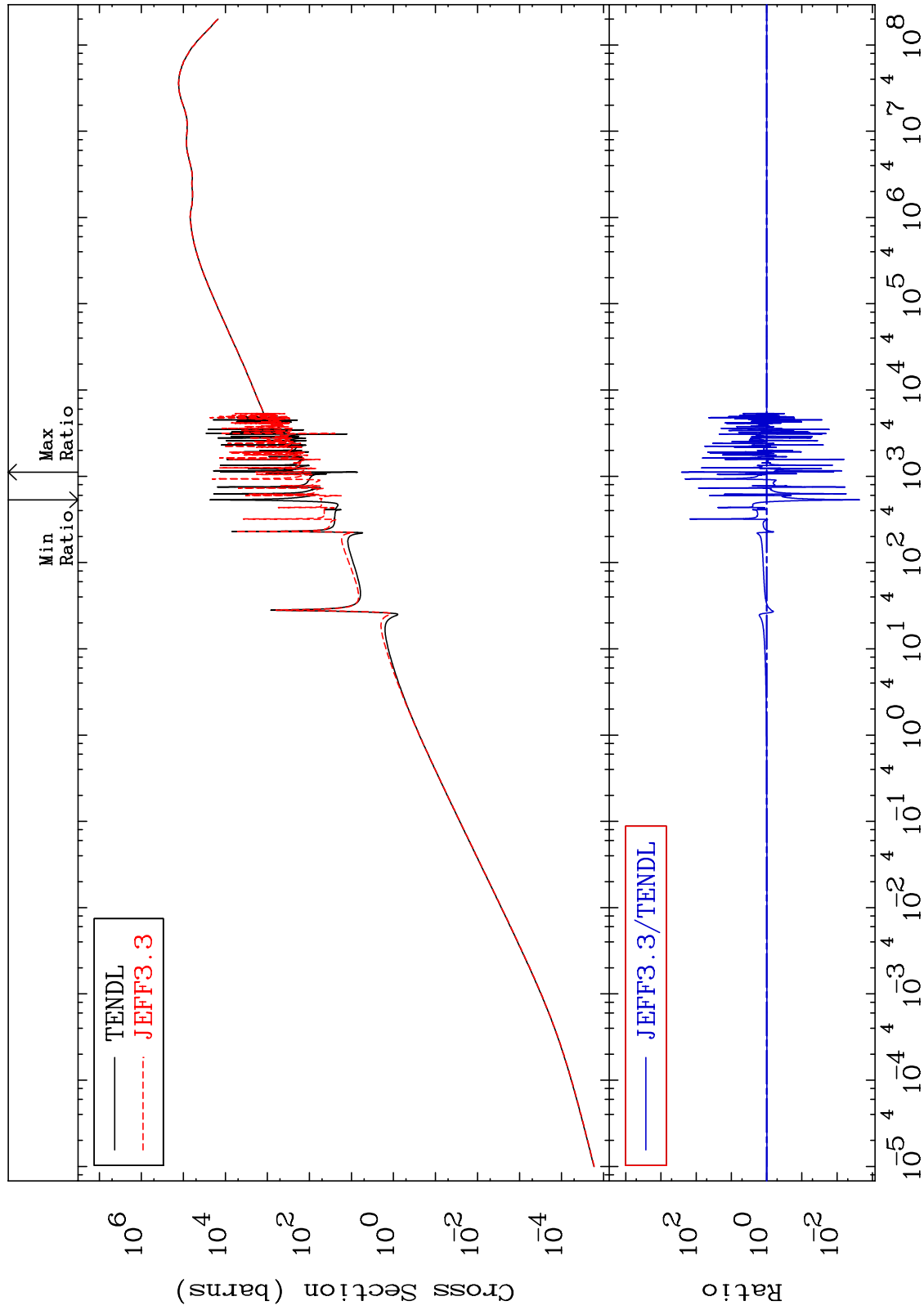


Incident Energy (eV) 36-Kr-83

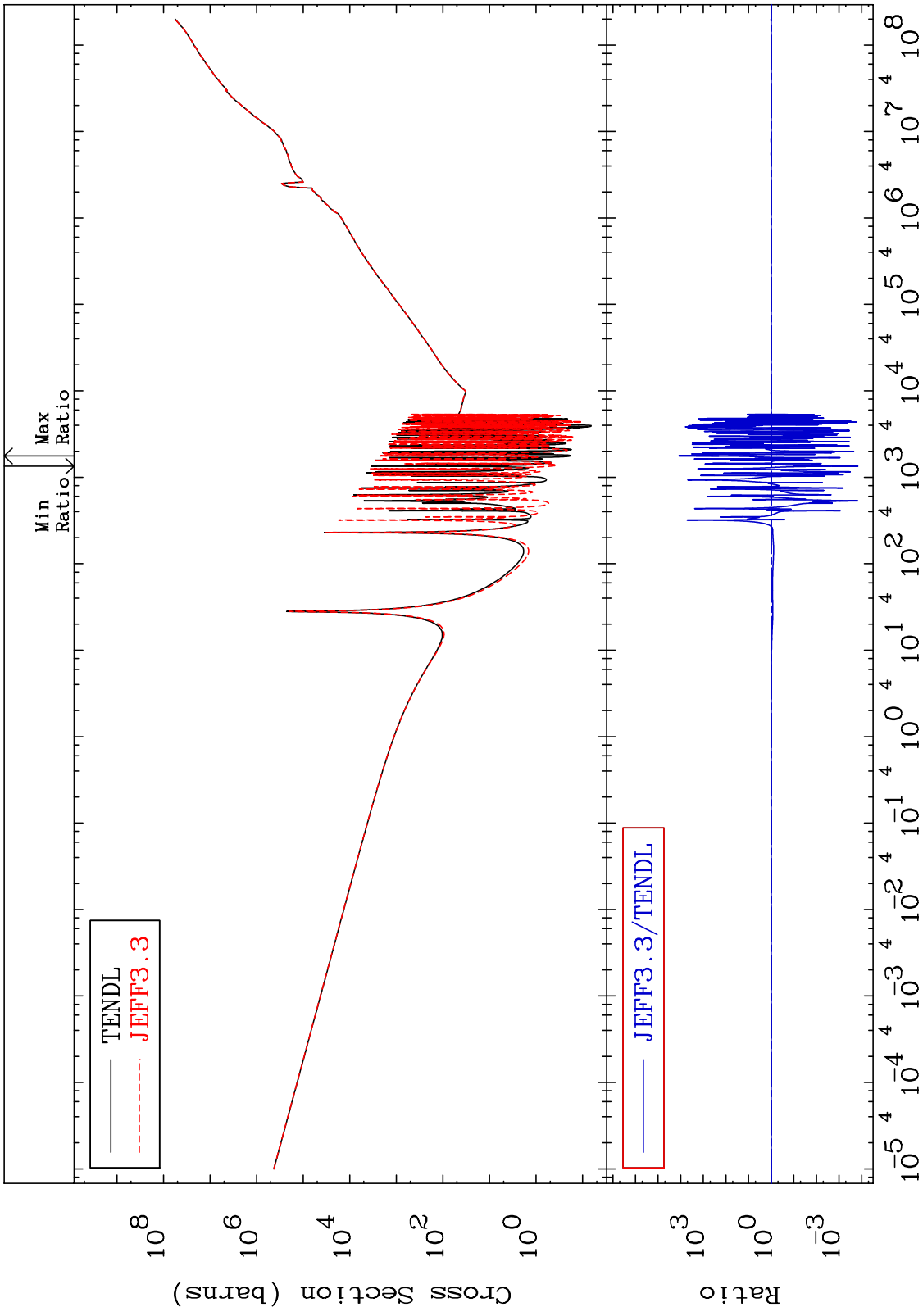
MAT 3640

Kerma elastic
Cross Section

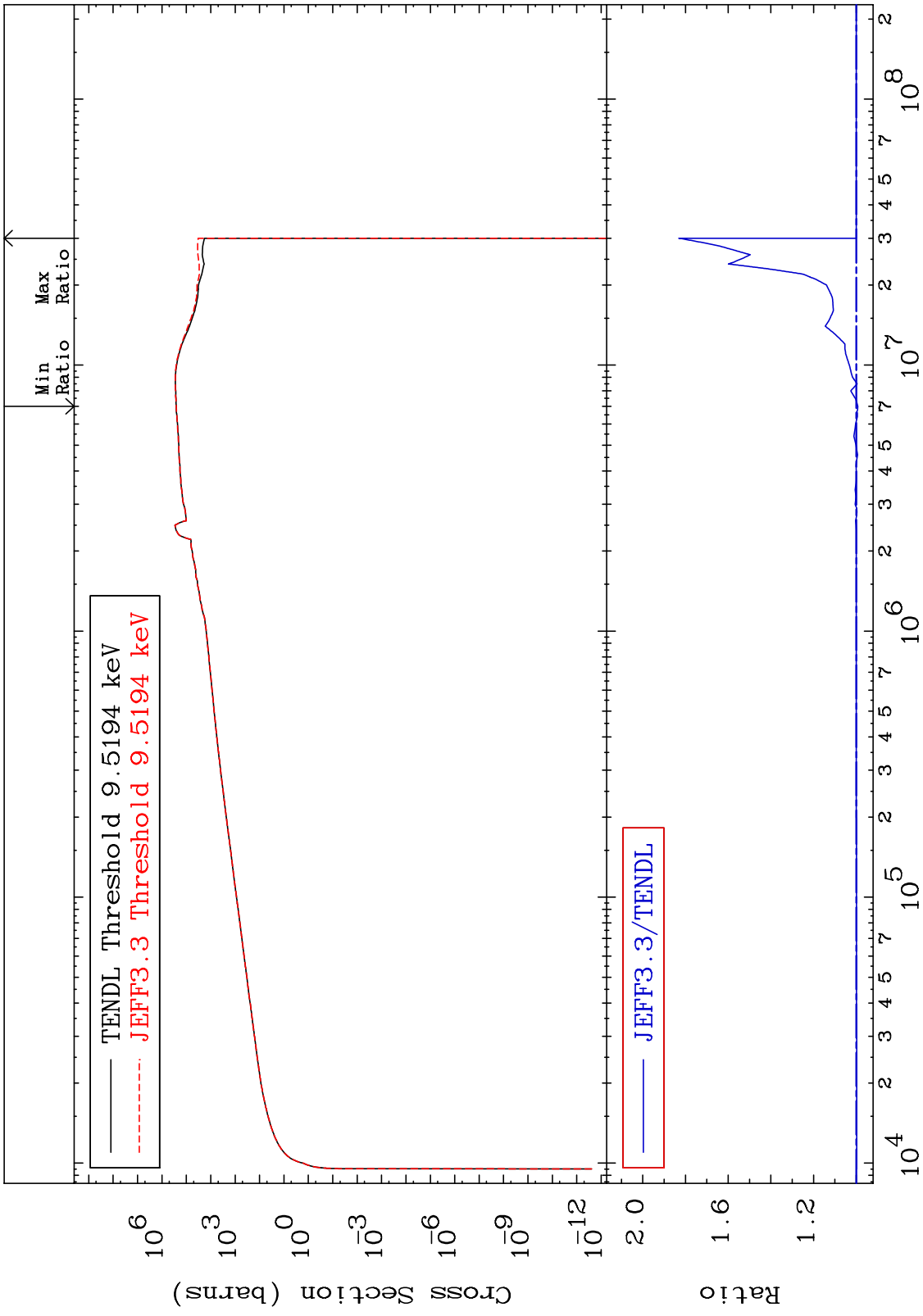
36-Kr-83
-99.77 To 9999. %



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



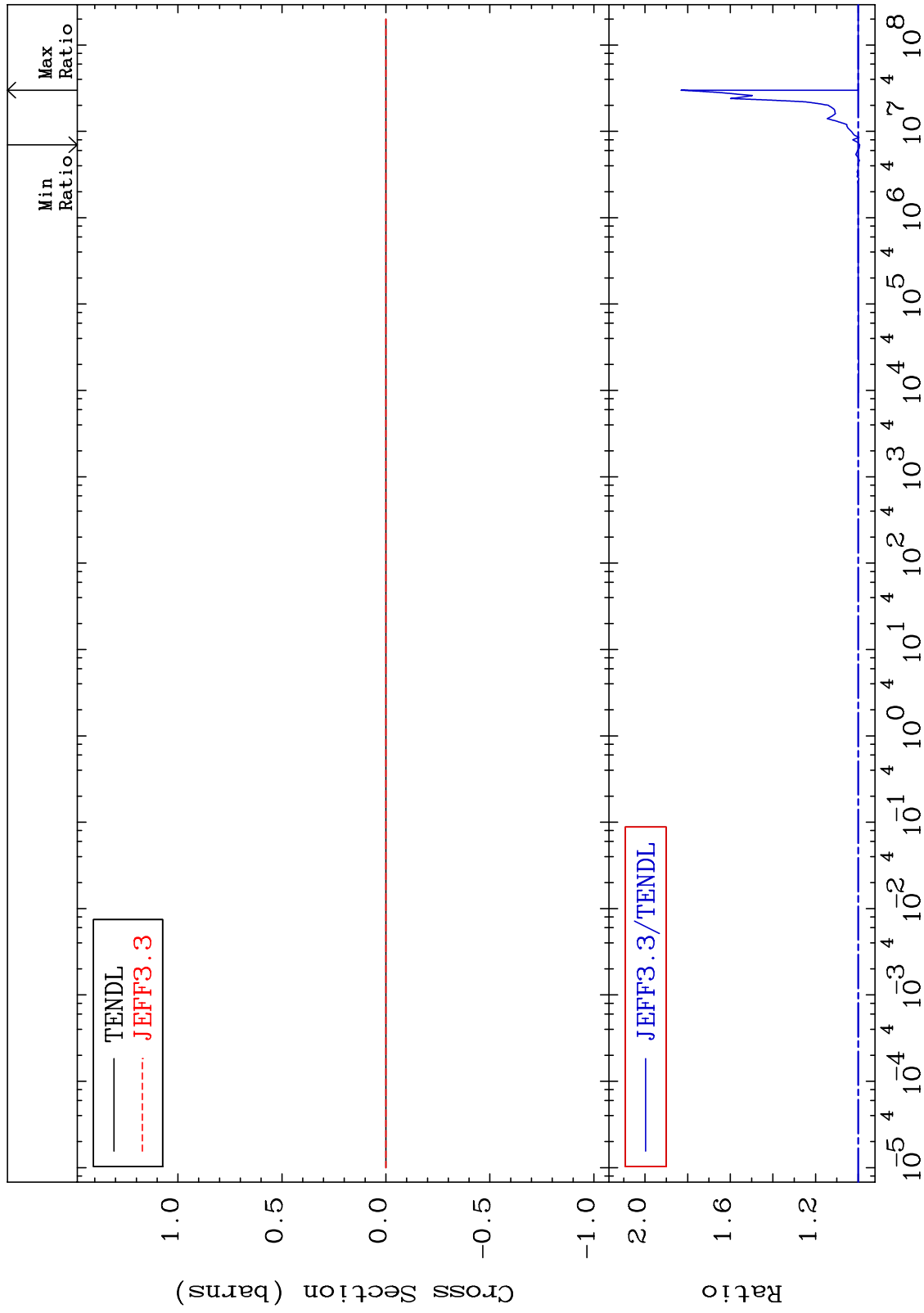
MAT 3640 Kerma inelastic (mt51-91) Cross Section 36-Kr-83
 -0.738 To 83.01 %



MAT 3640

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

36-Kr-83
-0.738 To 83.01 %



72

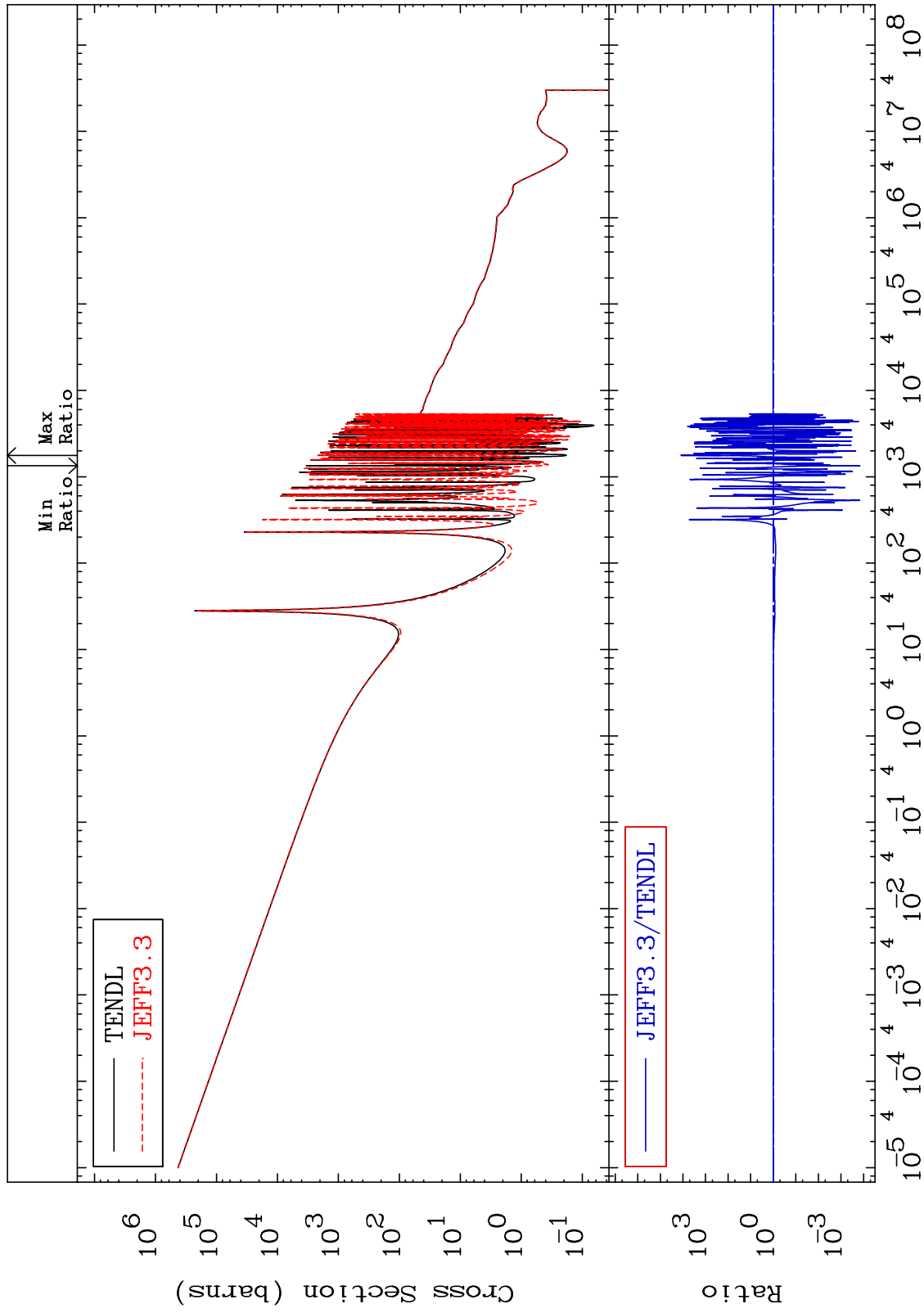
Incident Energy (eV)

36-Kr-83

MAT 3640

Kerma capture (mt102)
Cross Section

36-Kr-83
-99.99 To 9999. %

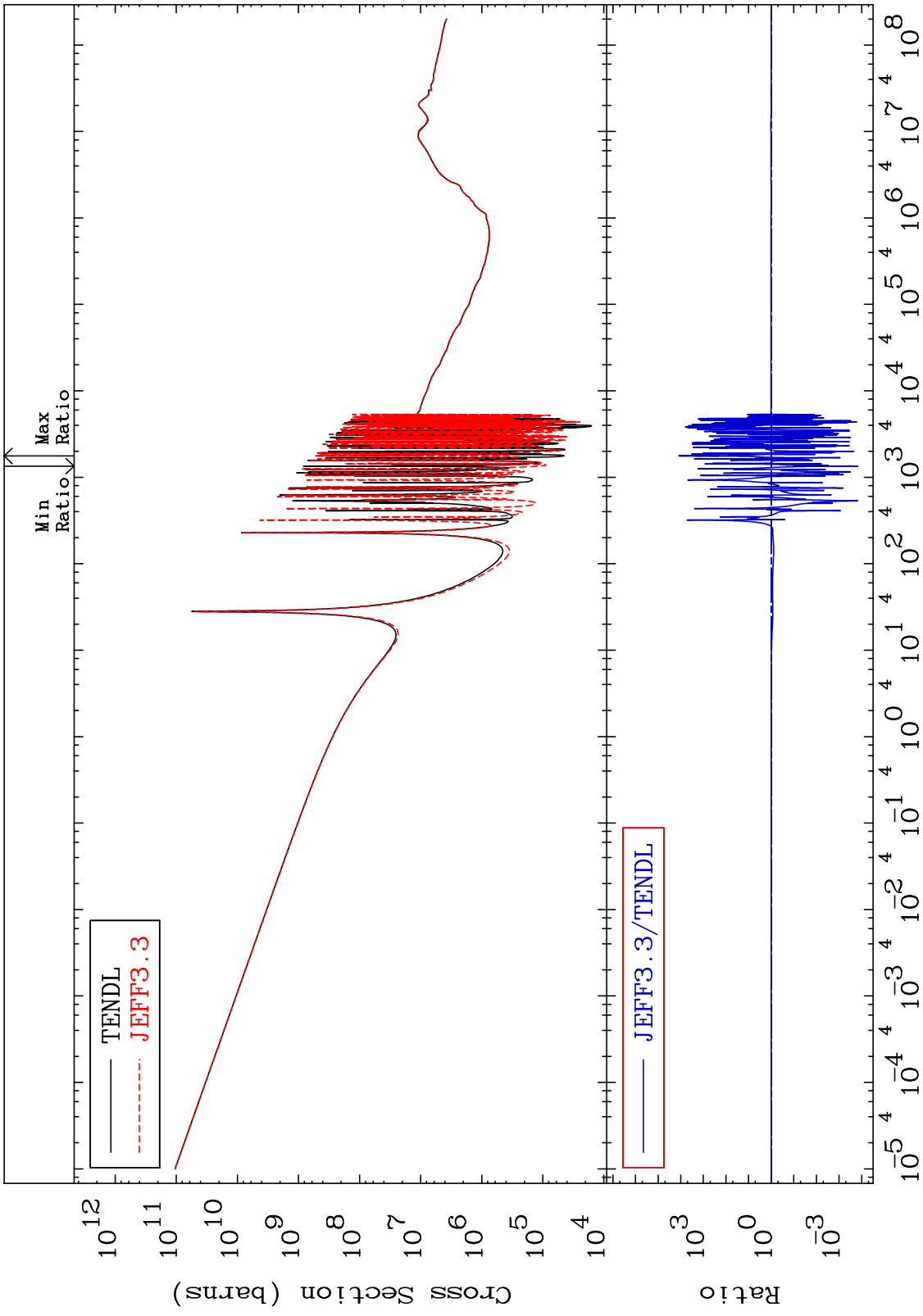


73

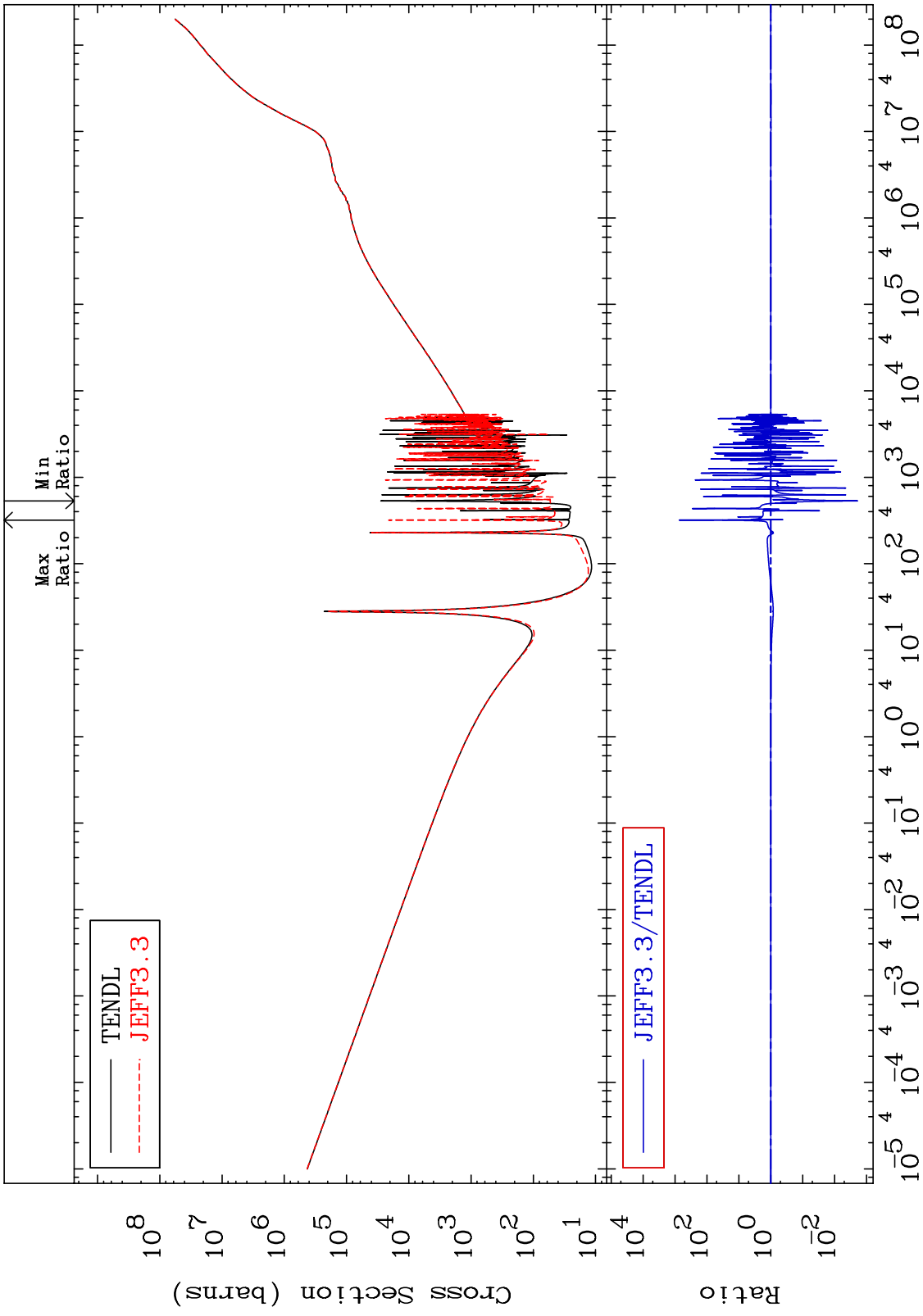
Incident Energy (eV)

36-Kr-83

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

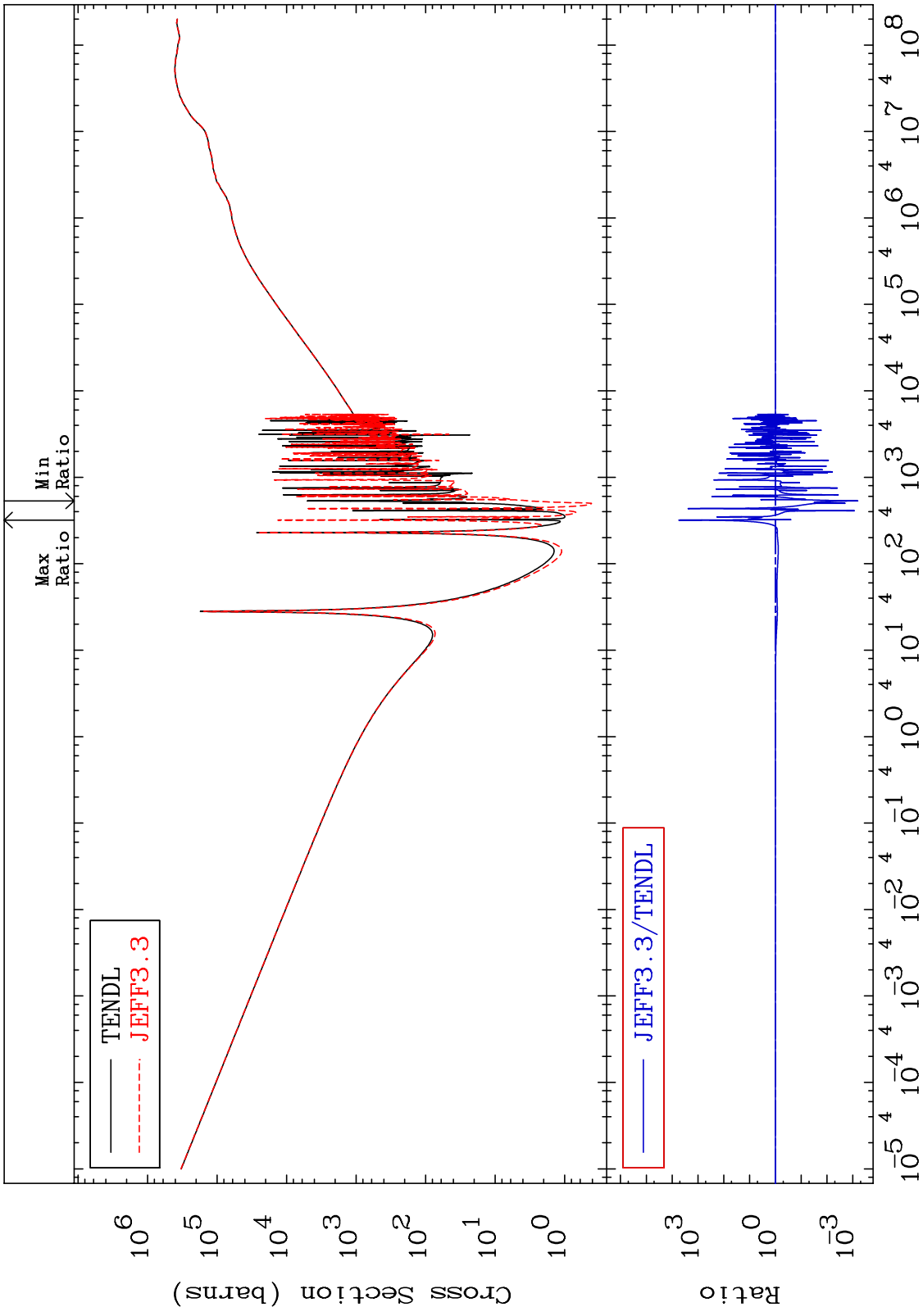


MAT 3640 Total kinematic kerma (high limit) 36-Kr-83
Cross Section -99.81 To 9999. %



75 Incident Energy (eV) 36-Kr-83

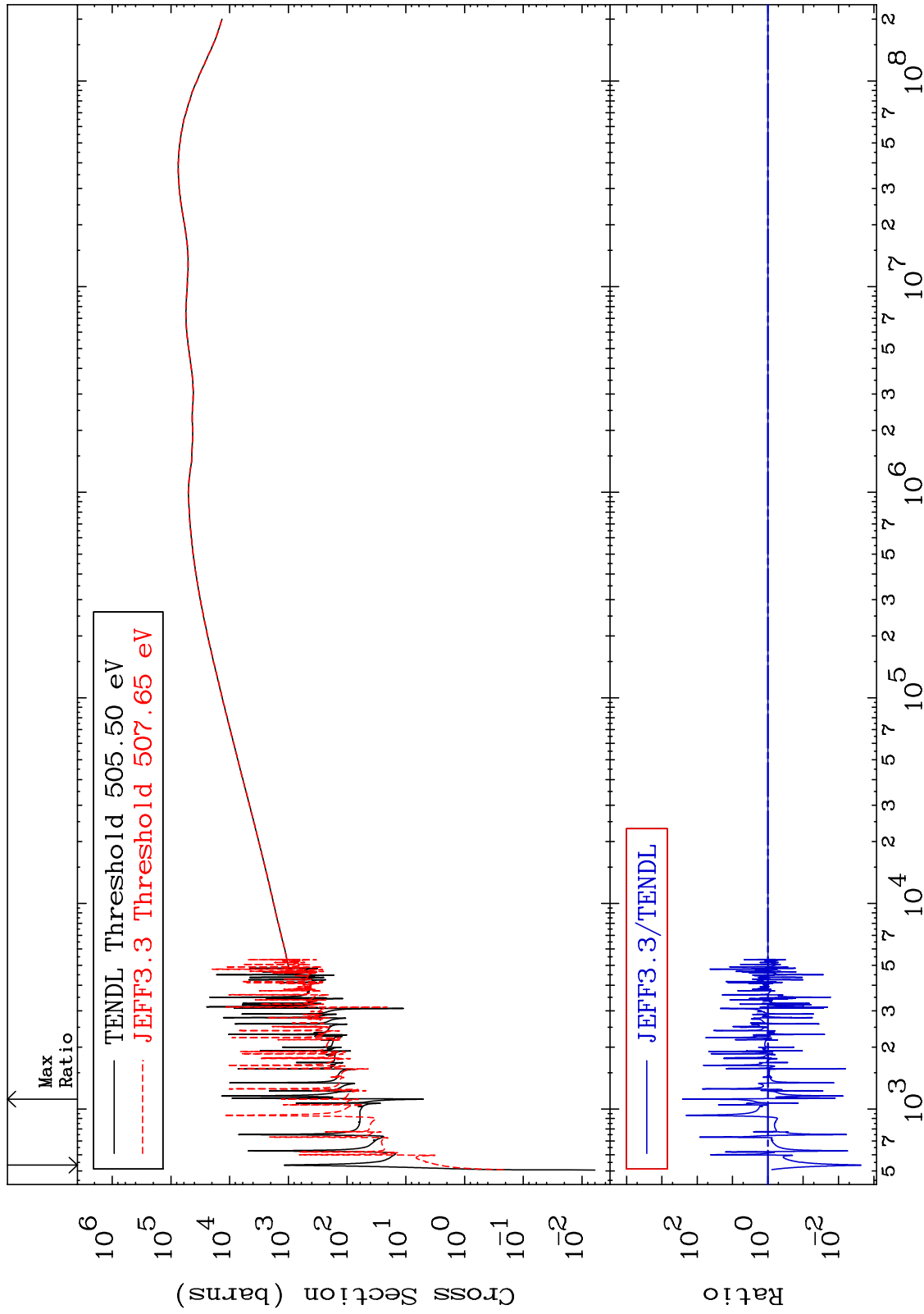
MAT 3640 Dpa total (eV-barns) 36-Kr-83
 Cross Section -99.94 To 9999. %



MAT 3640

Dpa elastic (mt2)
Cross Section

36-Kr-83
-99.77 To 9999. %

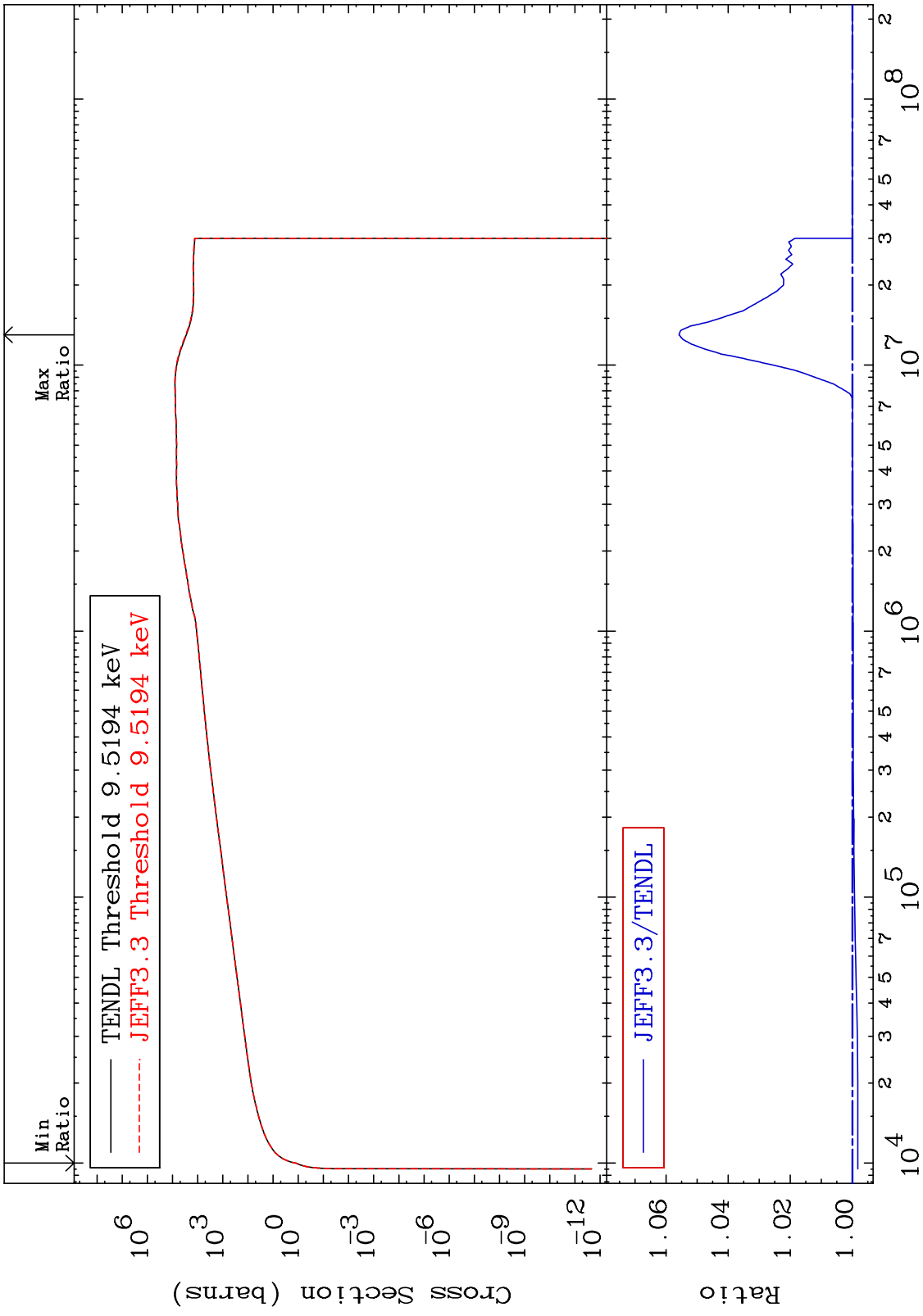


77

Incident Energy (eV)

36-Kr-83

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

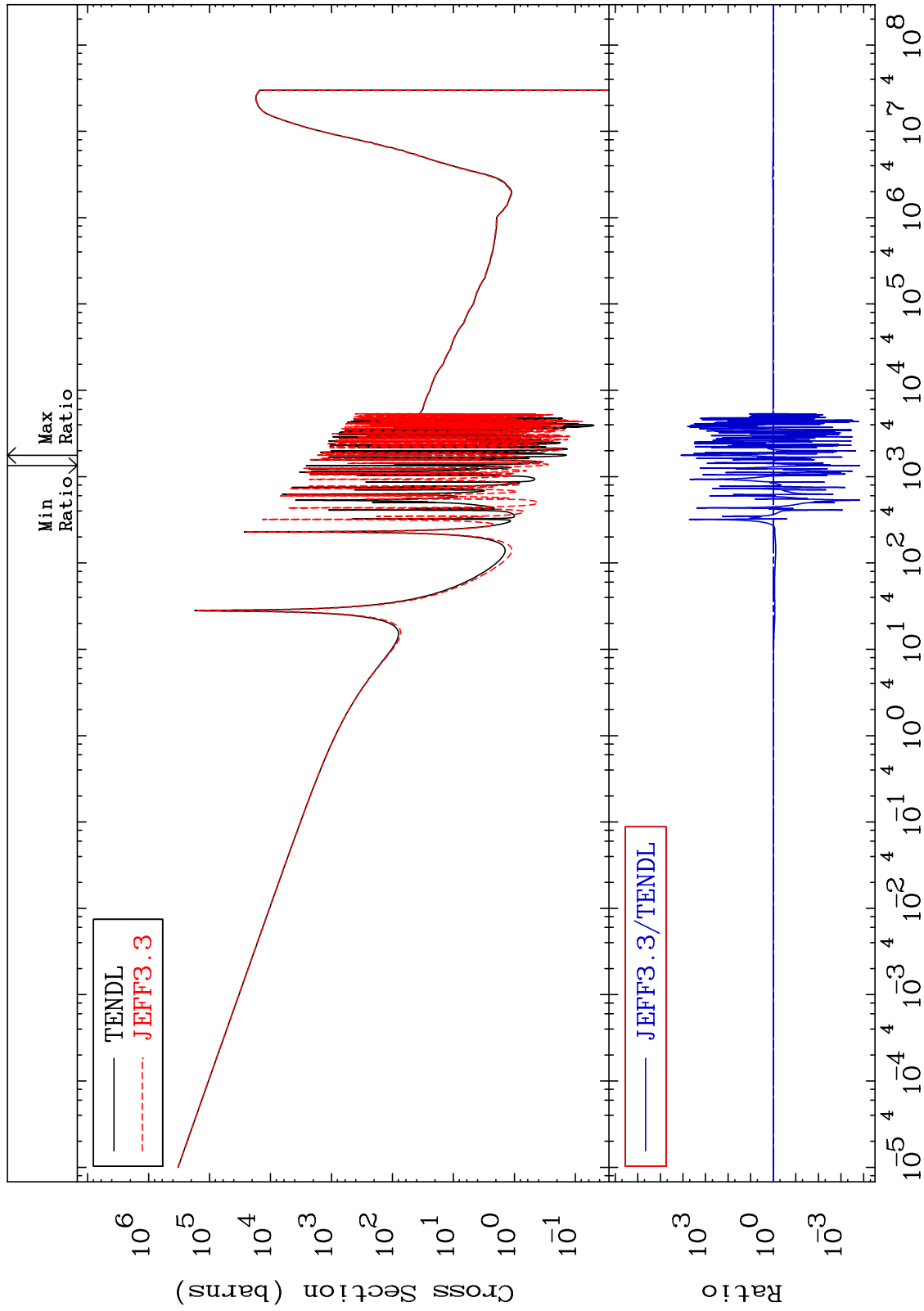


78 Incident Energy (eV) 36-Kr-83

MAT 3640

Dpa disappearance (mt102 -120)
Cross Section

36-Kr-83
-99.99 To 9999. %

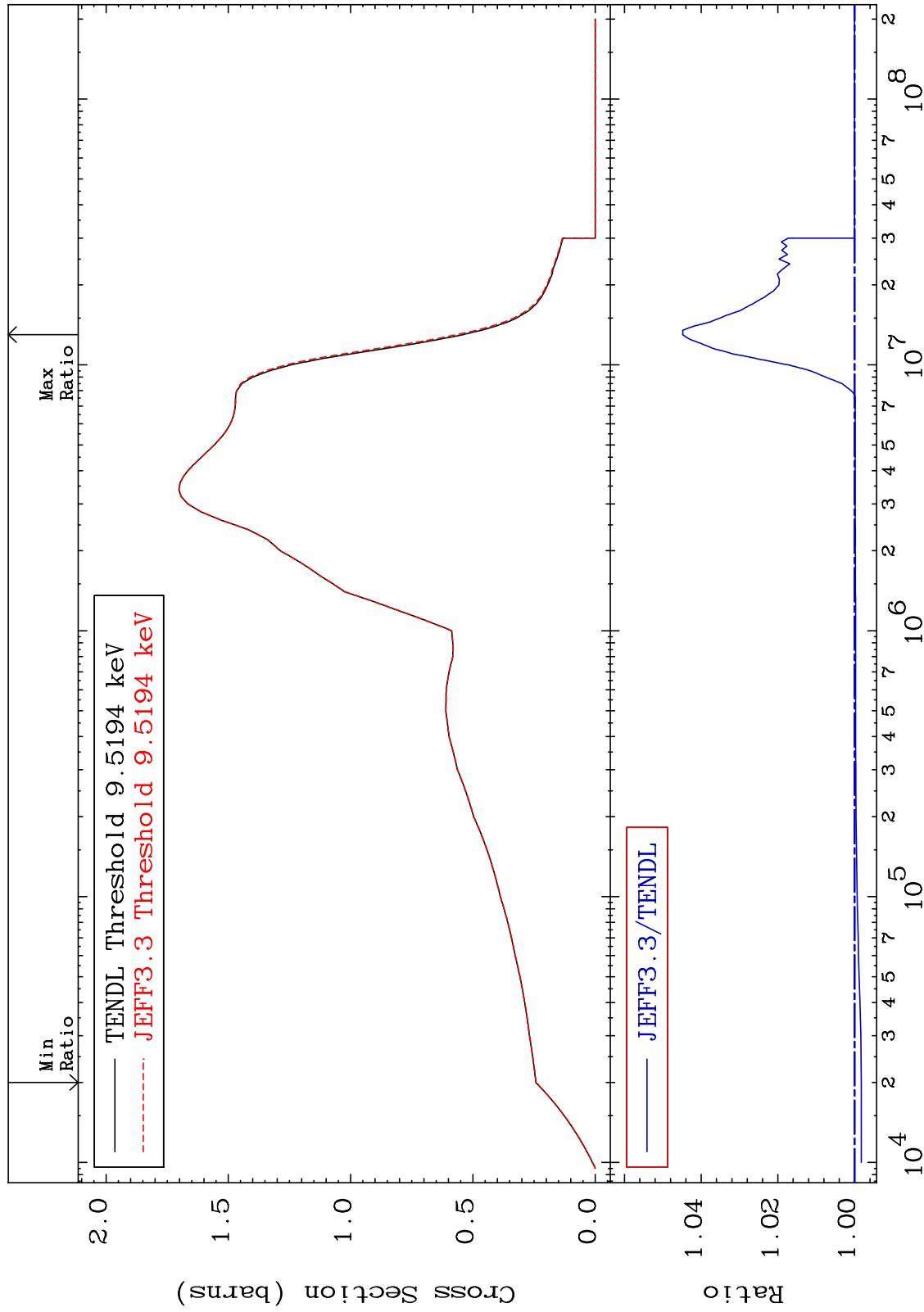


MAT 3640

36-Kr-83

Inelastic:36-Kr-83g

Radionuclide Production Cross Section -0.176 To 4.483 %



80

Incident Energy (eV)

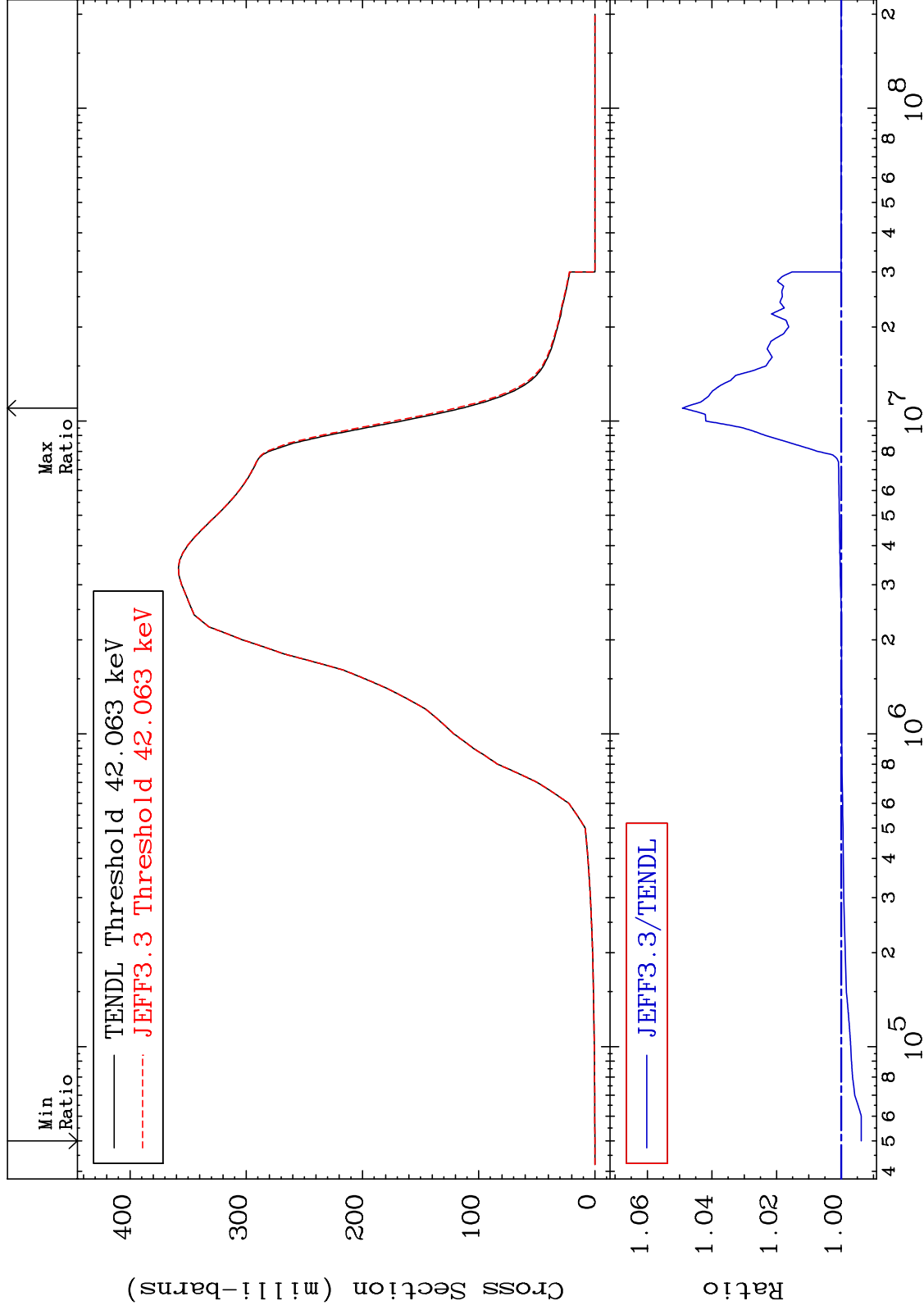
36-Kr-83

MAT 3640

Inelastic: 36-Kr-83m2

36-Kr-83

Radionuclide Production Cross Section -0.623 To 4.912 %

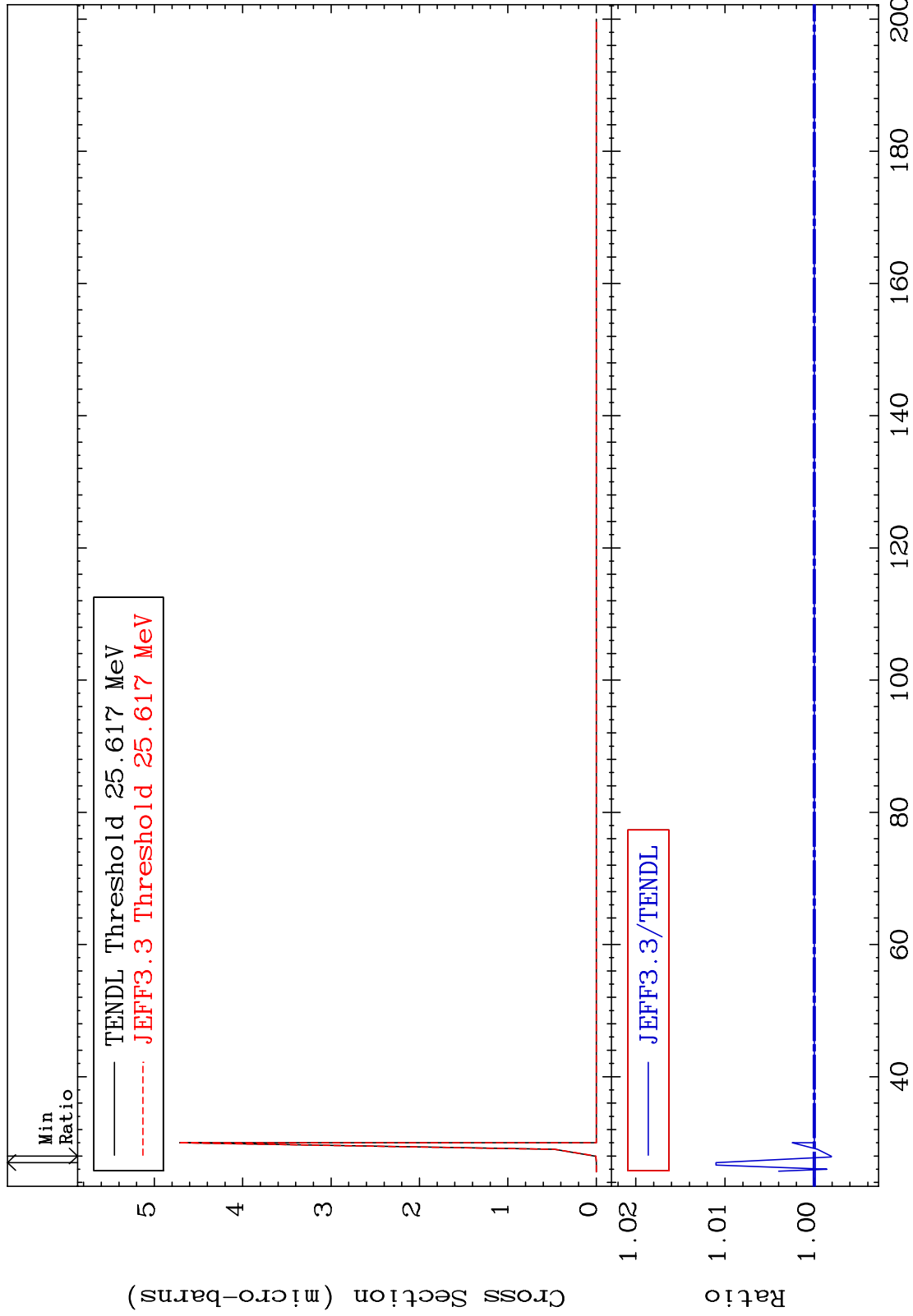


MAT 3640

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

36-Kr-83

Radionuclide Production Cross Section -0.193 To 1.103 %

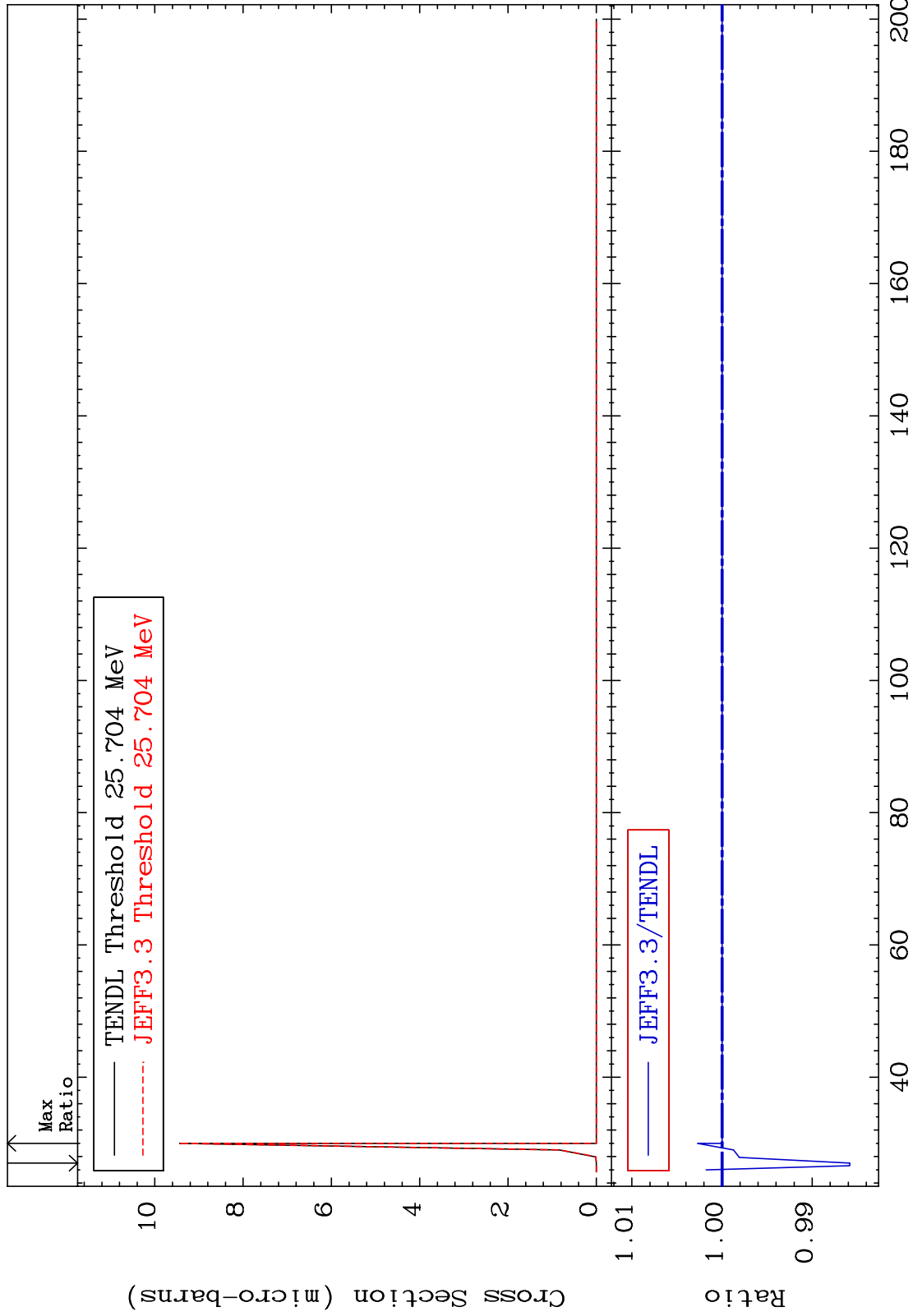


MAT 3640

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

36-Kr-83

Radionuclide Production Cross Section -1.417 To 0.272 %

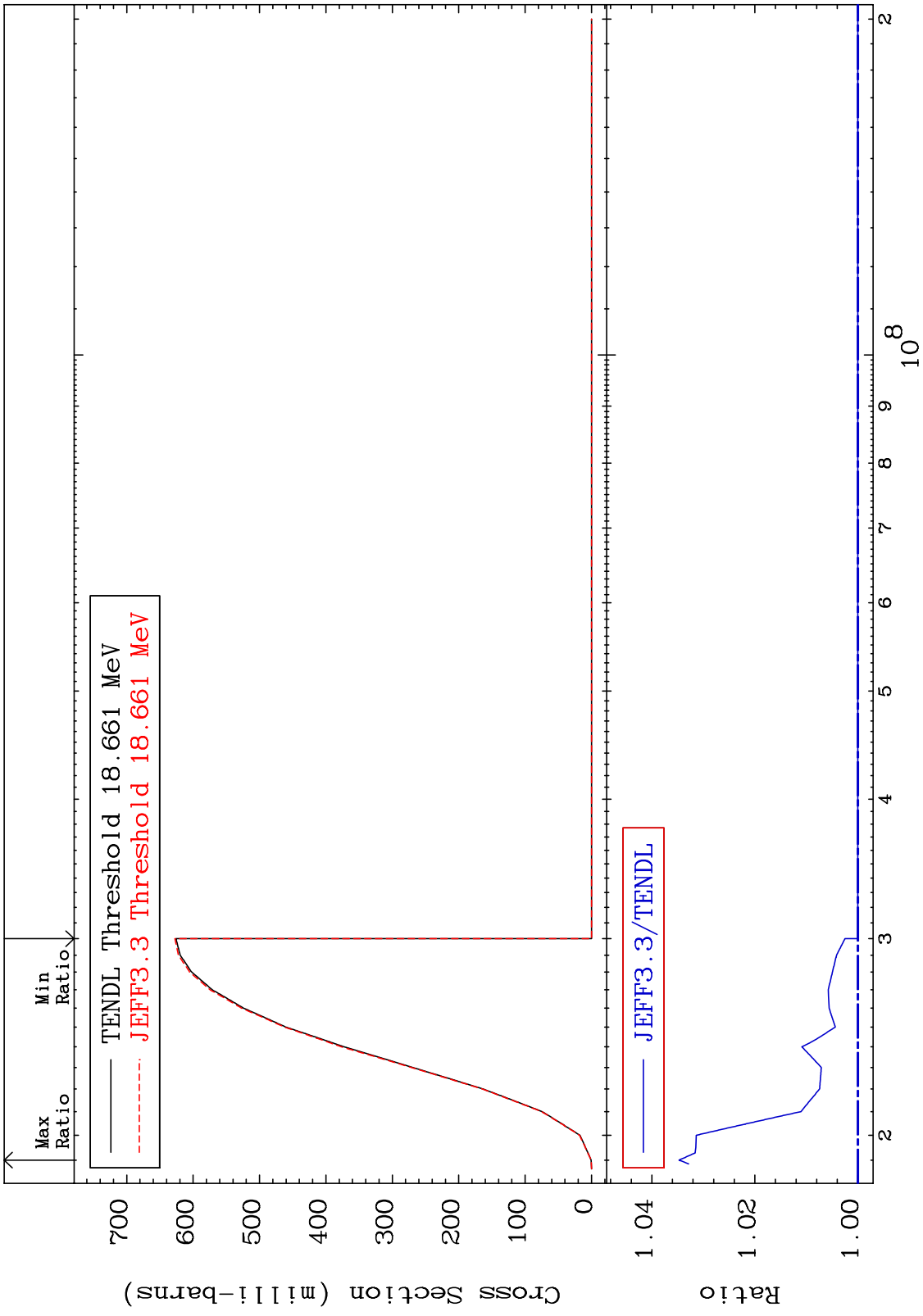


83

Incident Energy (MeV)

36-Kr-83

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

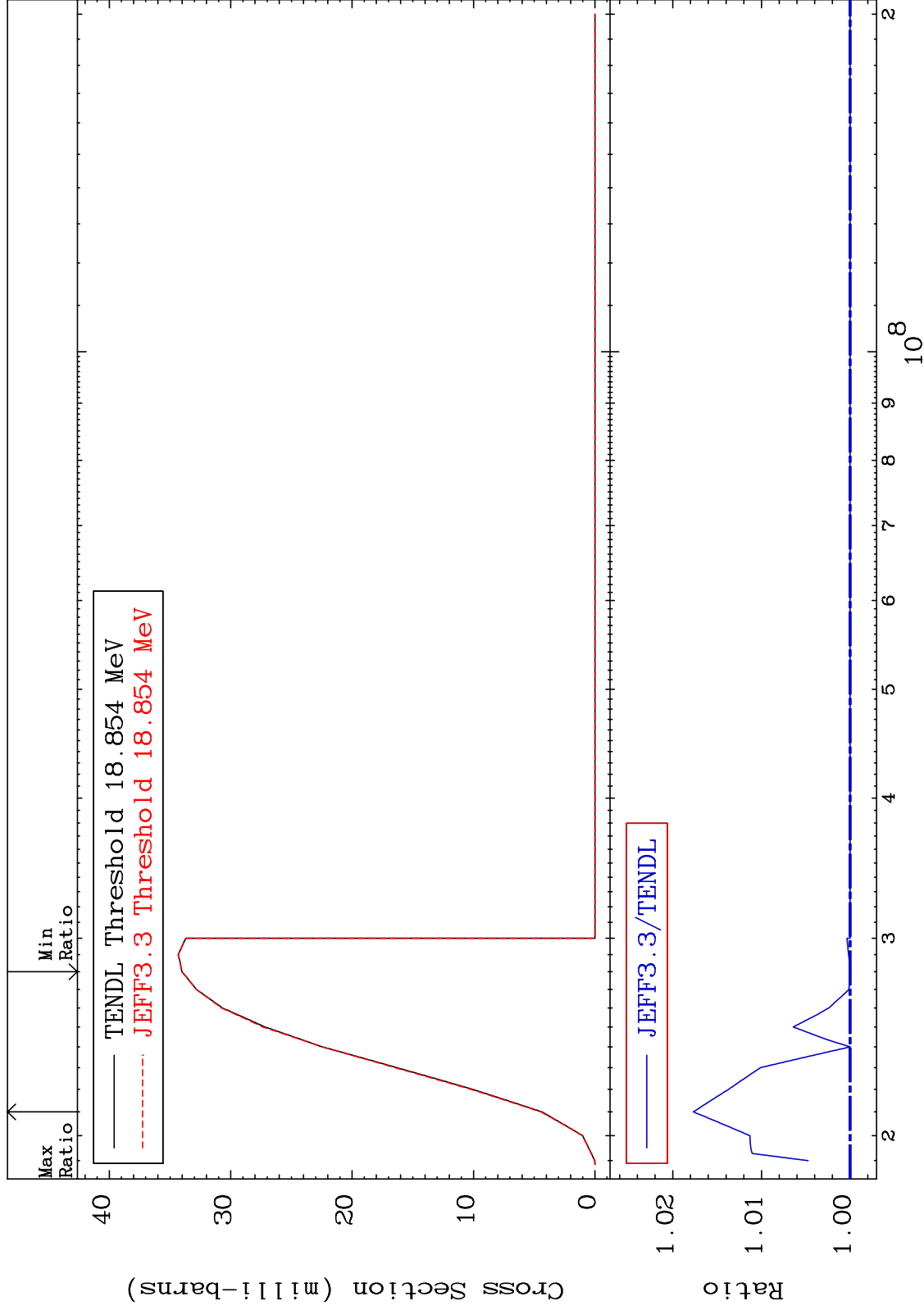


MAT 3640

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

36-Kr-83

Radionuclide Production Cross Section -0.003 To 1.768 %

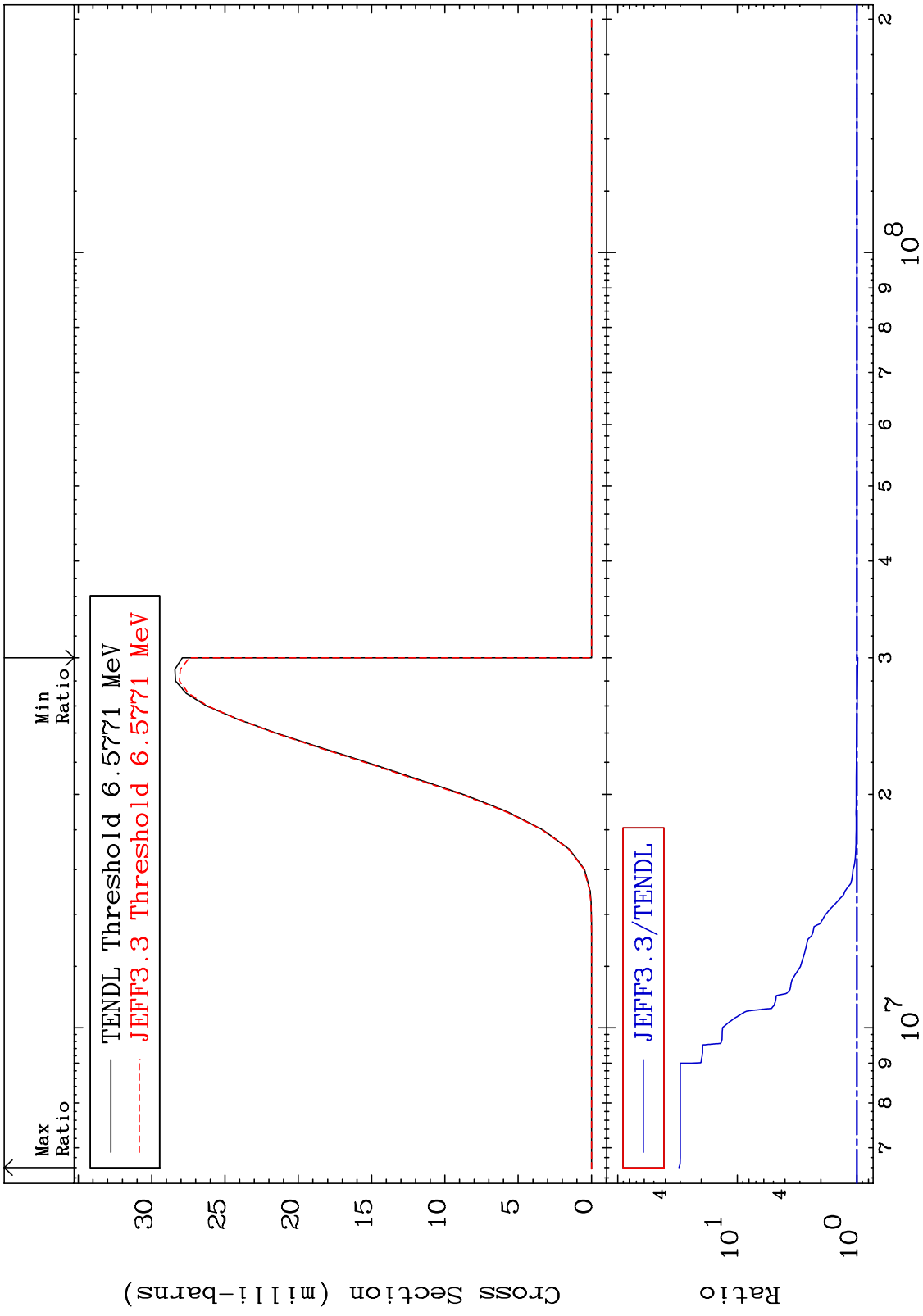


85

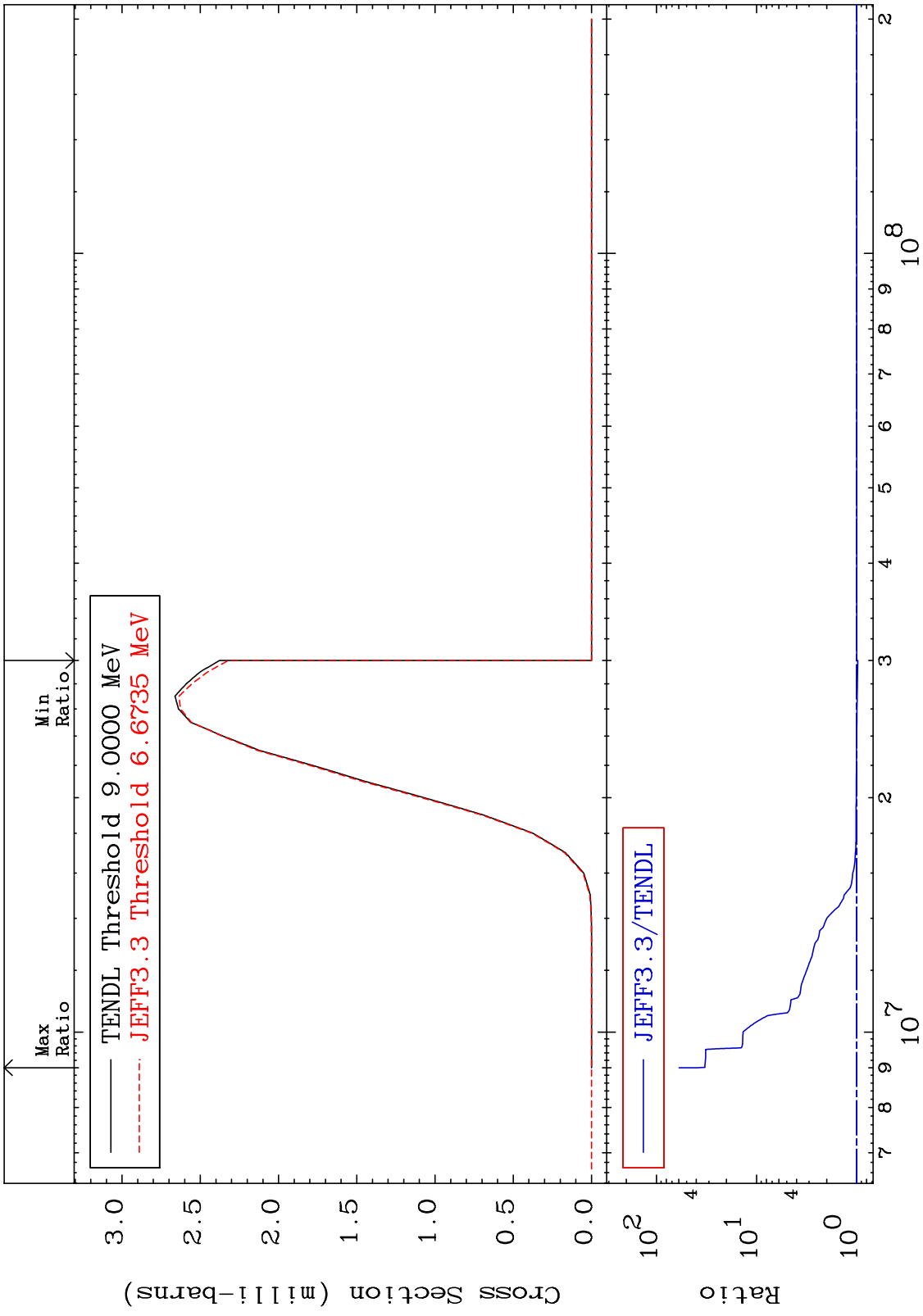
Incident Energy (eV)

36-Kr-83

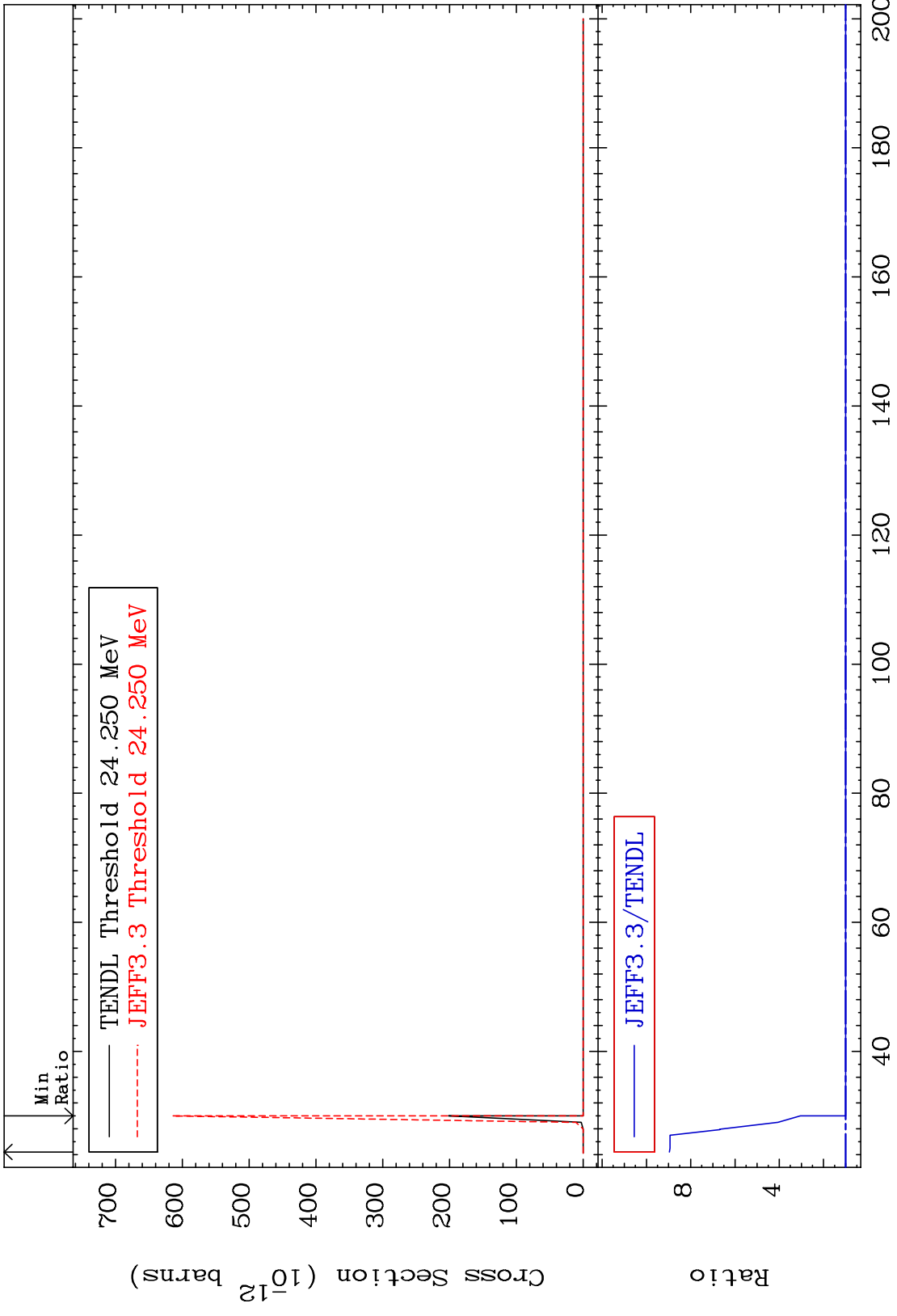
MAT 3640 (n, n') α : 34-Se-79g 36-Kr-83
 Radionuclide Production Cross Section -1.736 To 2974. %



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 %

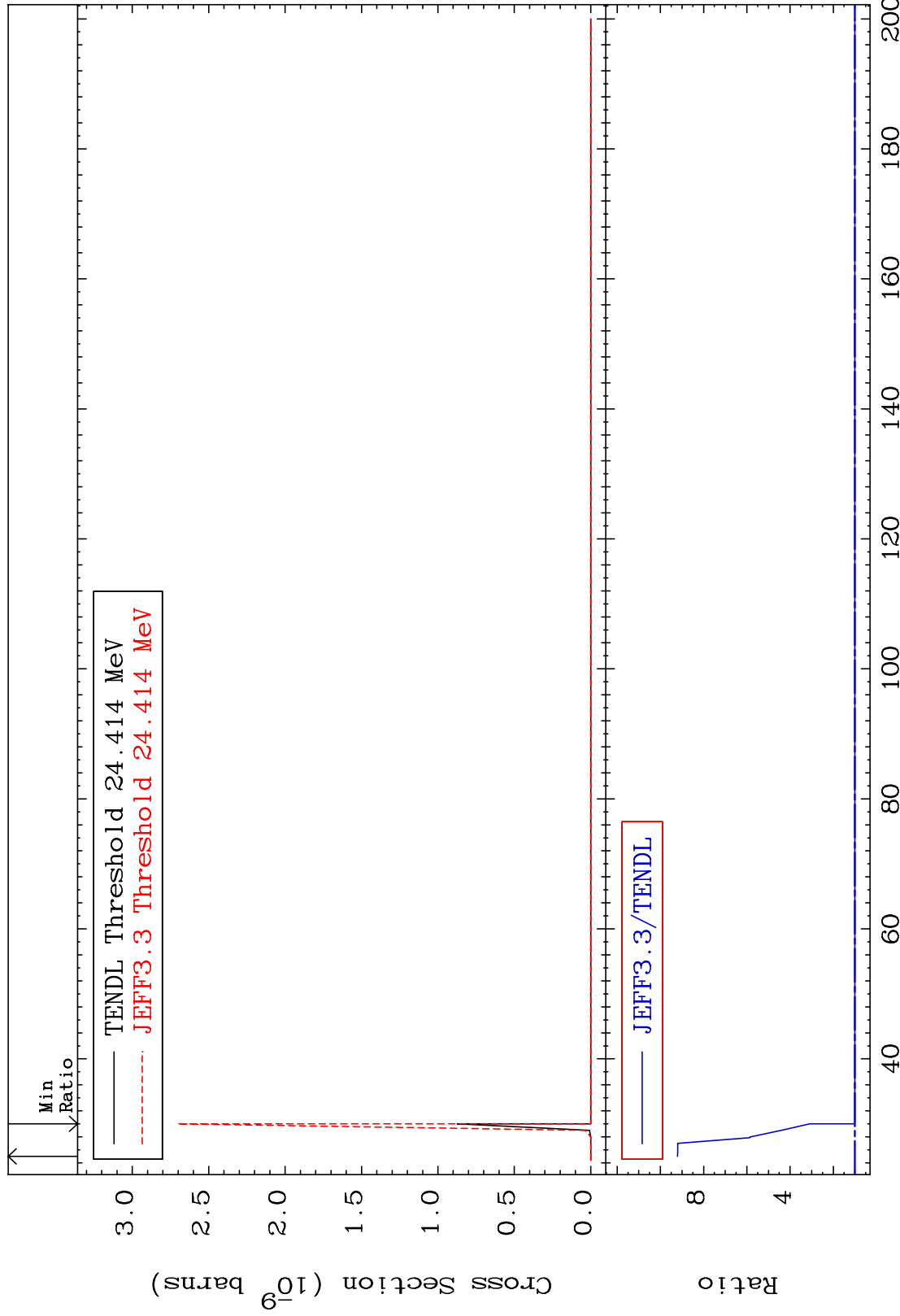


MAT 3640

(n,3n) α :34-Se-77m1

36-Kr-83

Radionuclide Production Cross Section 0.000 To 820.6 %



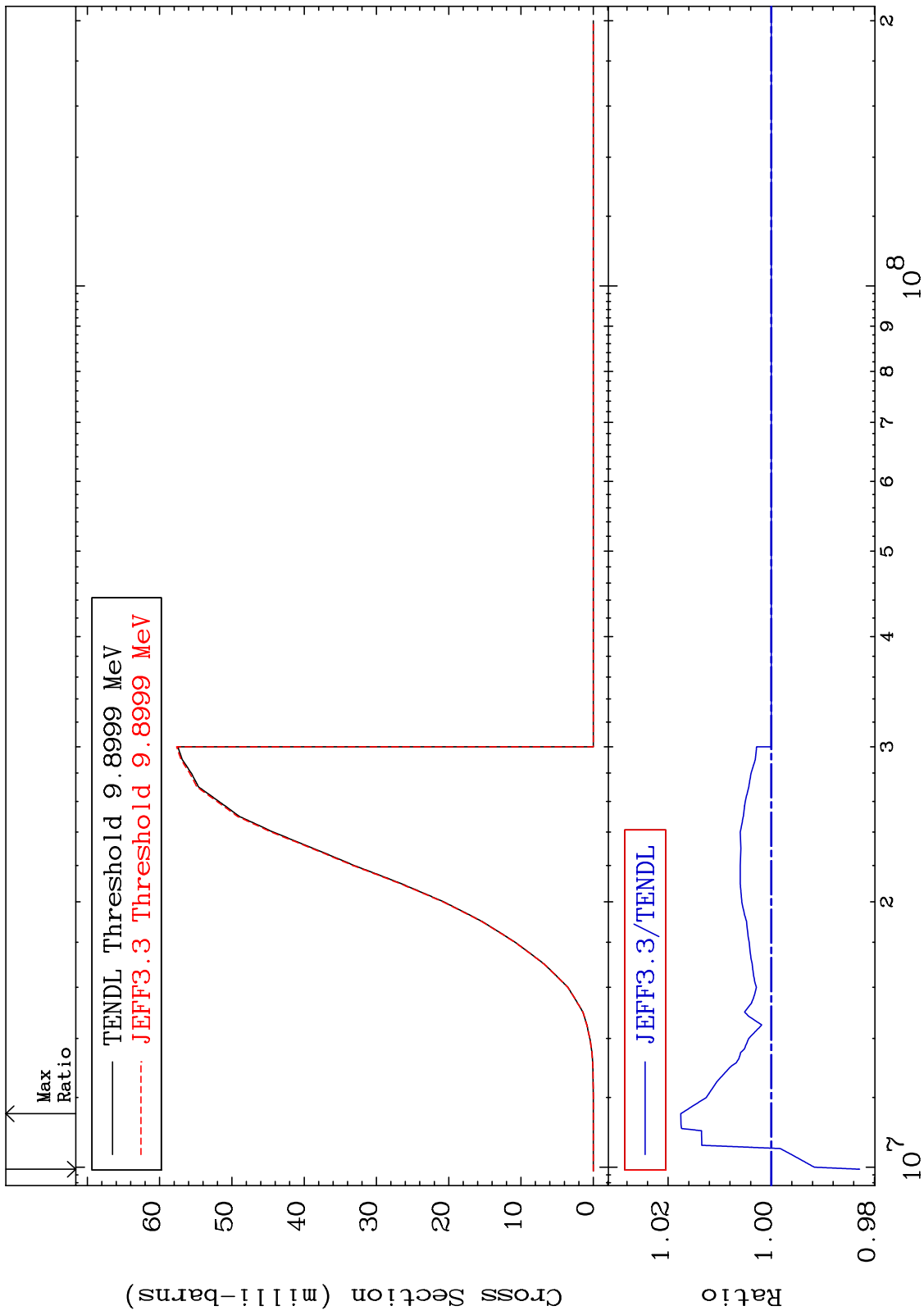
89

Incident Energy (MeV)

36-Kr-83

MAT 3640

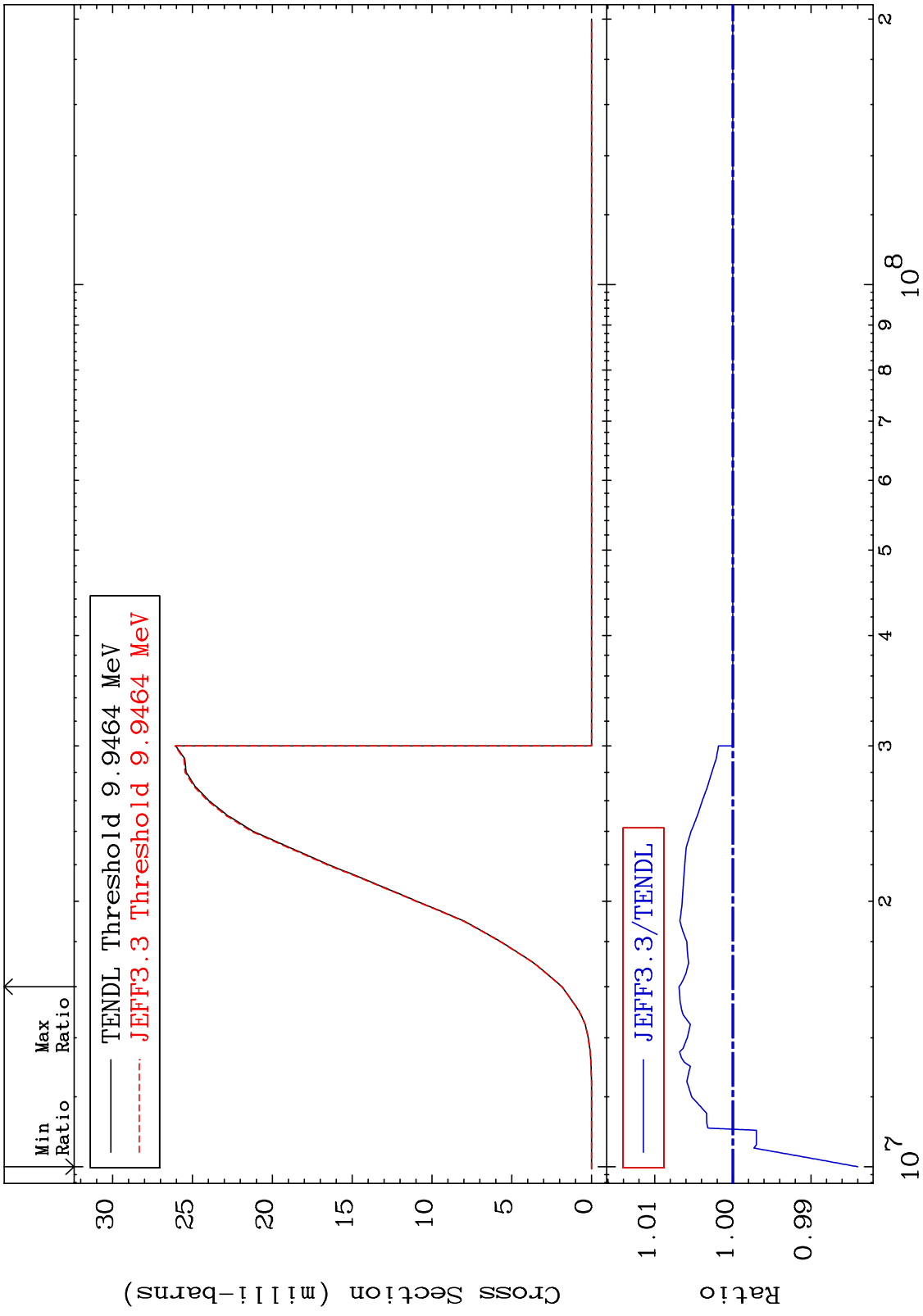
(n, n') p:35-Br-82g 36-Kr-83
Radionuclide Production Cross Section -1.714 To 1.754 %



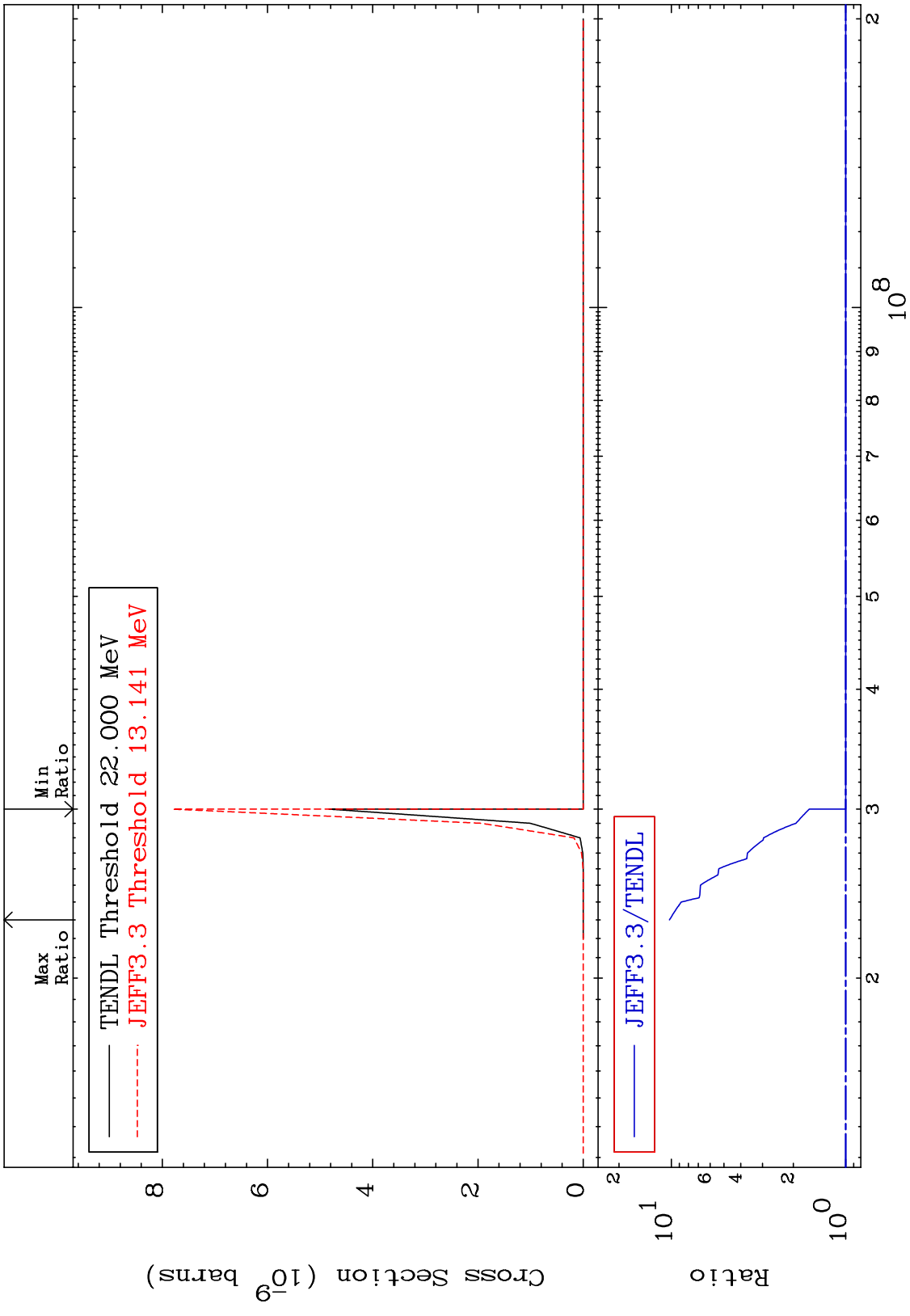
Incident Energy (eV)

36-Kr-83

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



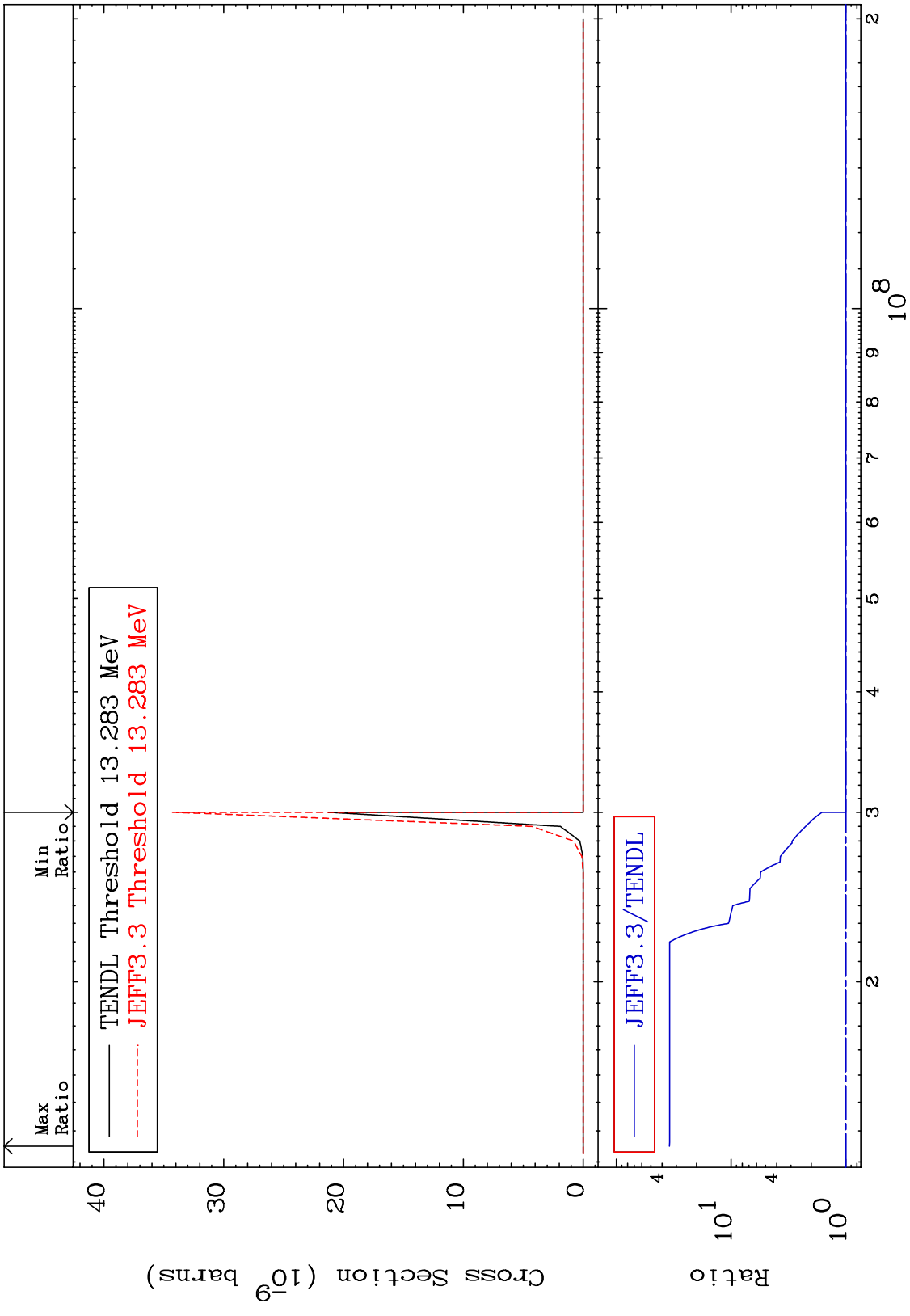
MAT 3640 (n, n') 2α:32-Ge-75g 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 925.4 %



36-Kr-83

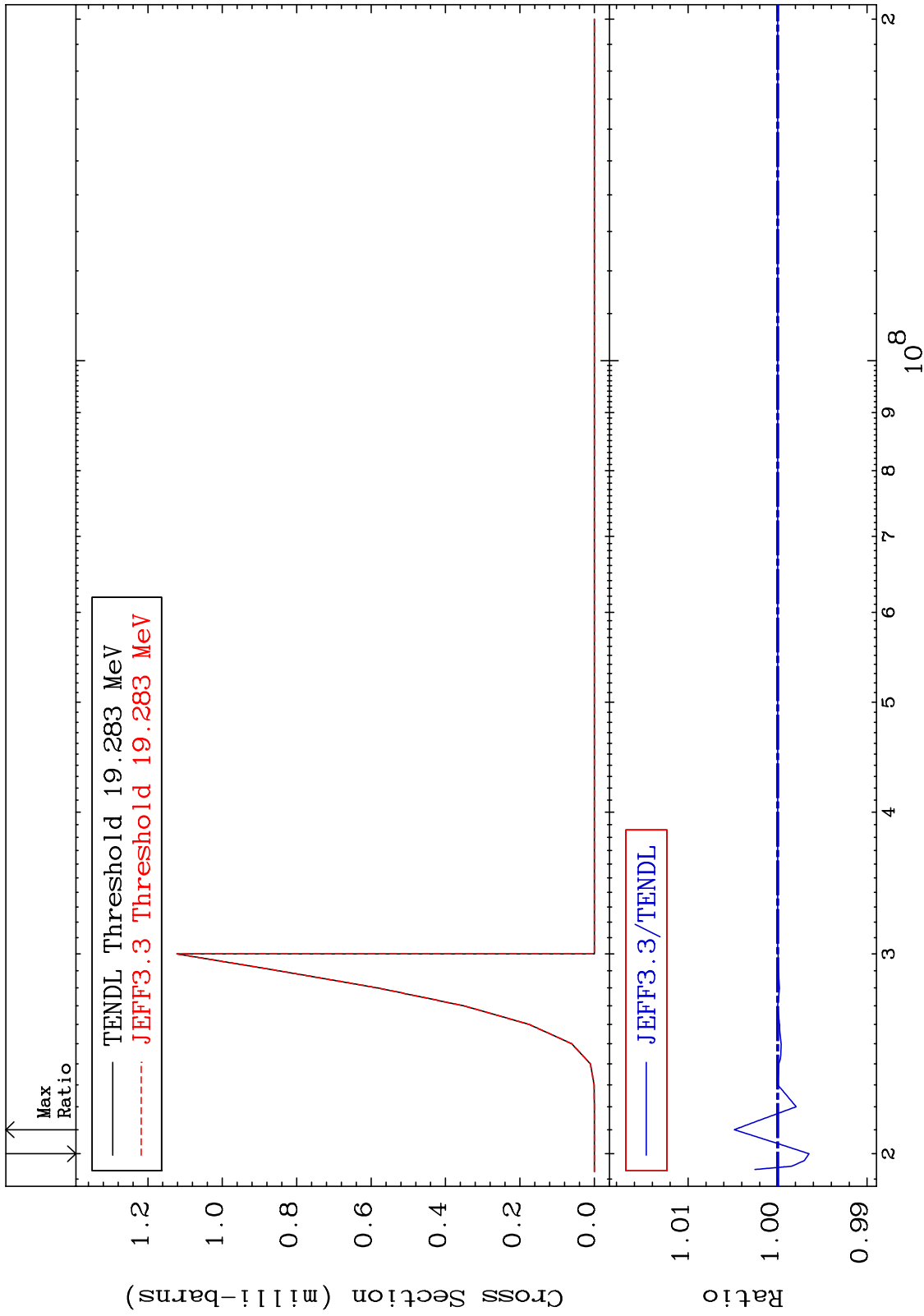
Incident Energy (eV)

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 %

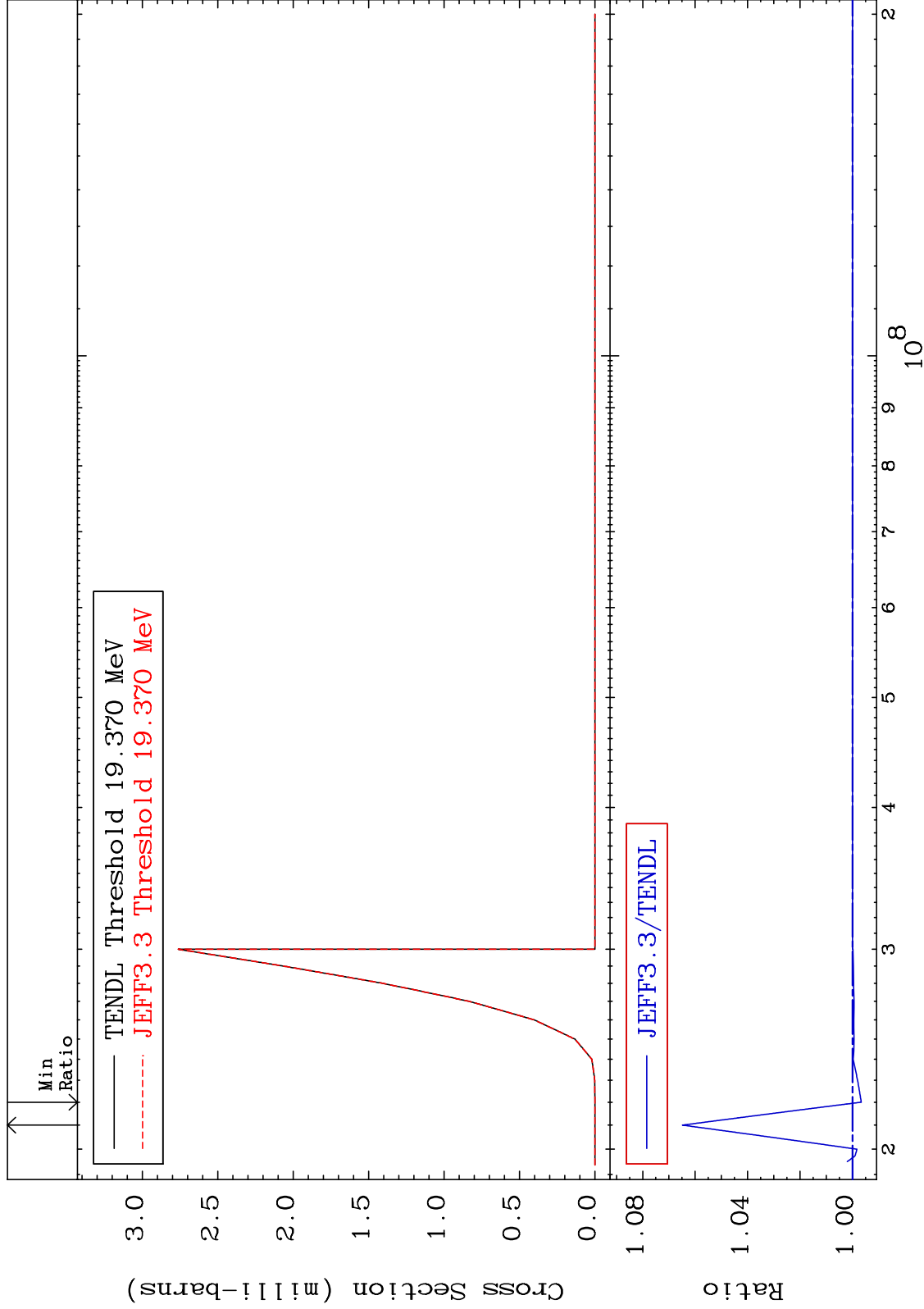


MAT 3640

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

36-Kr-83

Radionuclide Production Cross Section -0.338 To 6.484 %

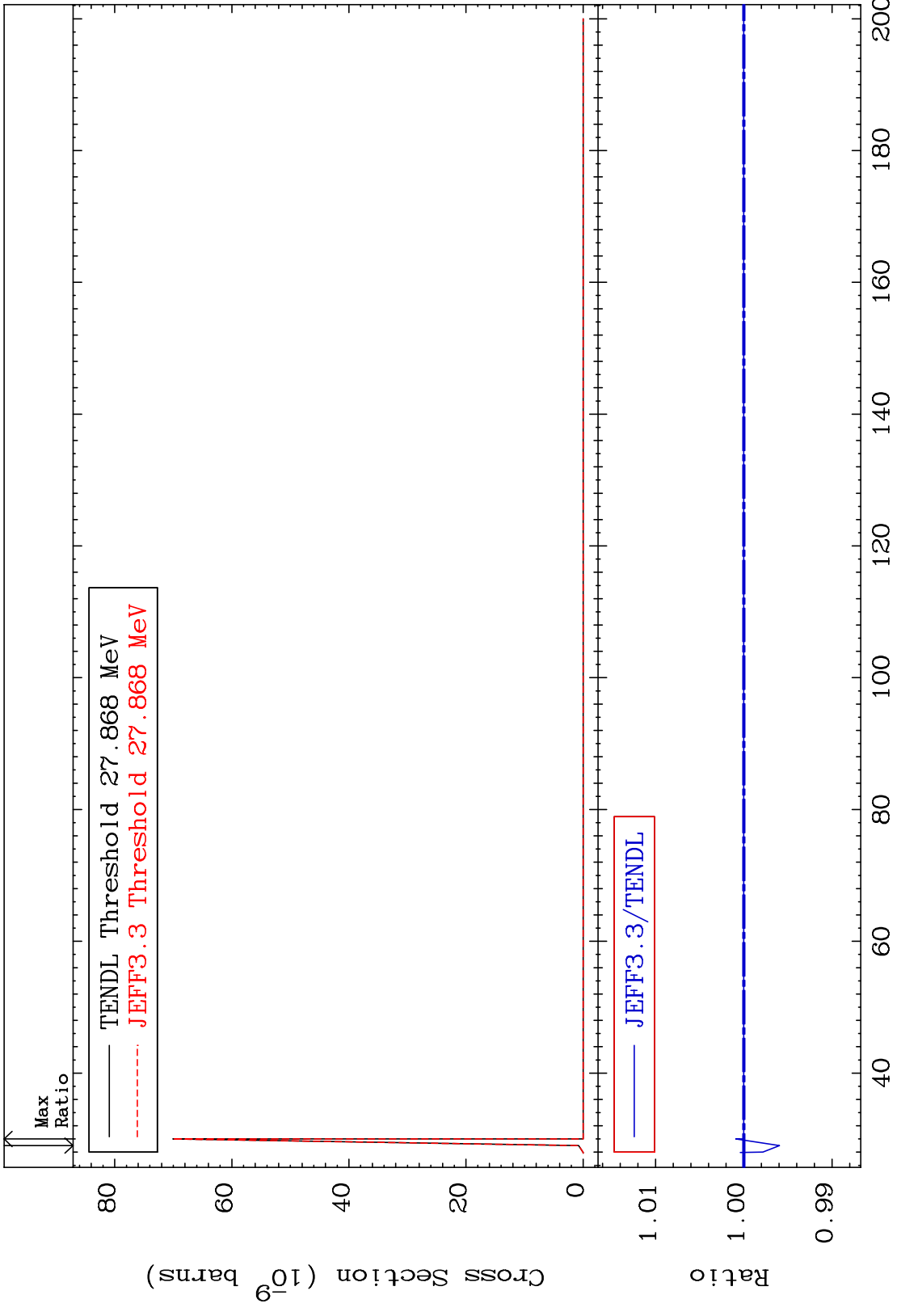


95

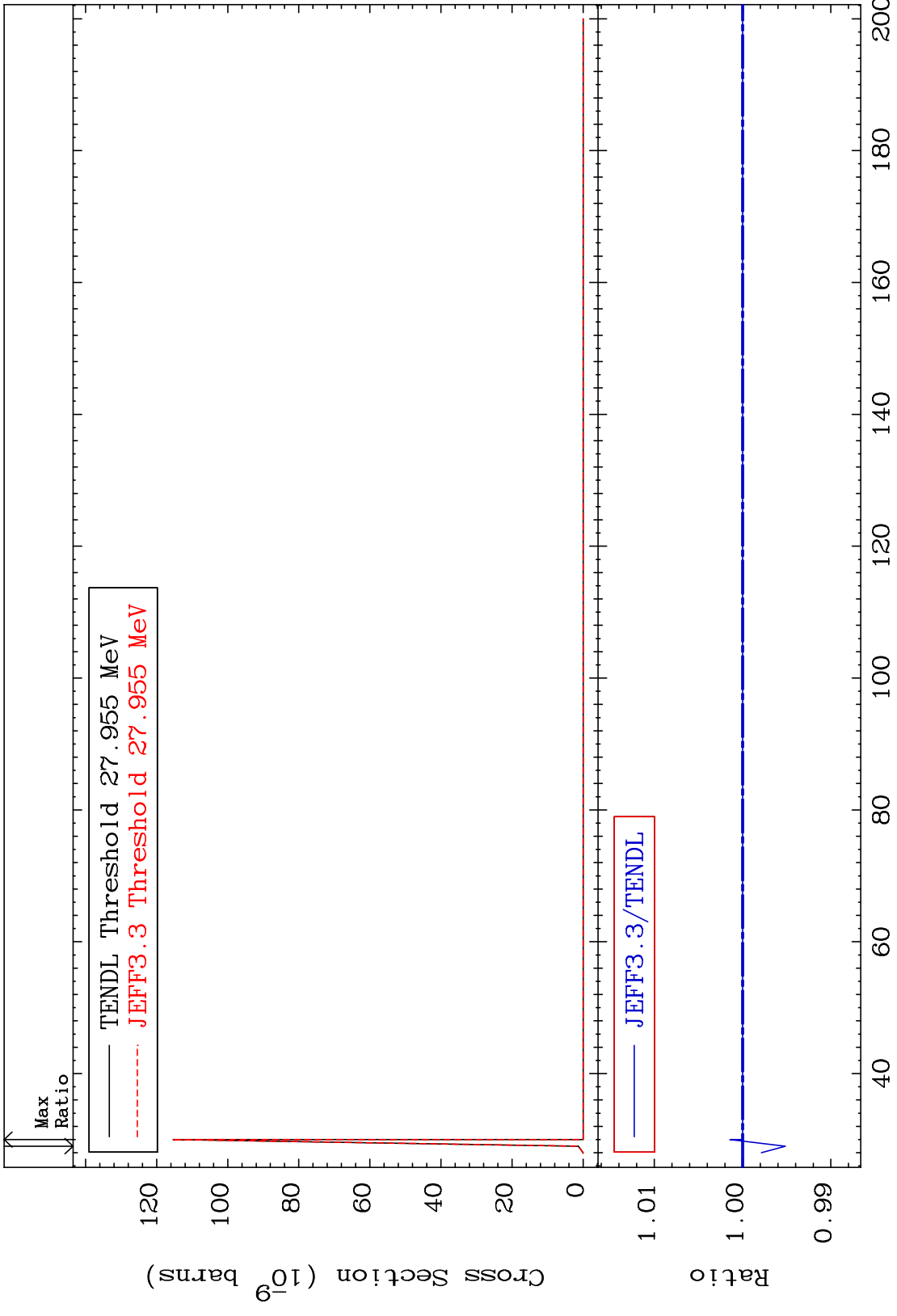
Incident Energy (eV)

36-Kr-83

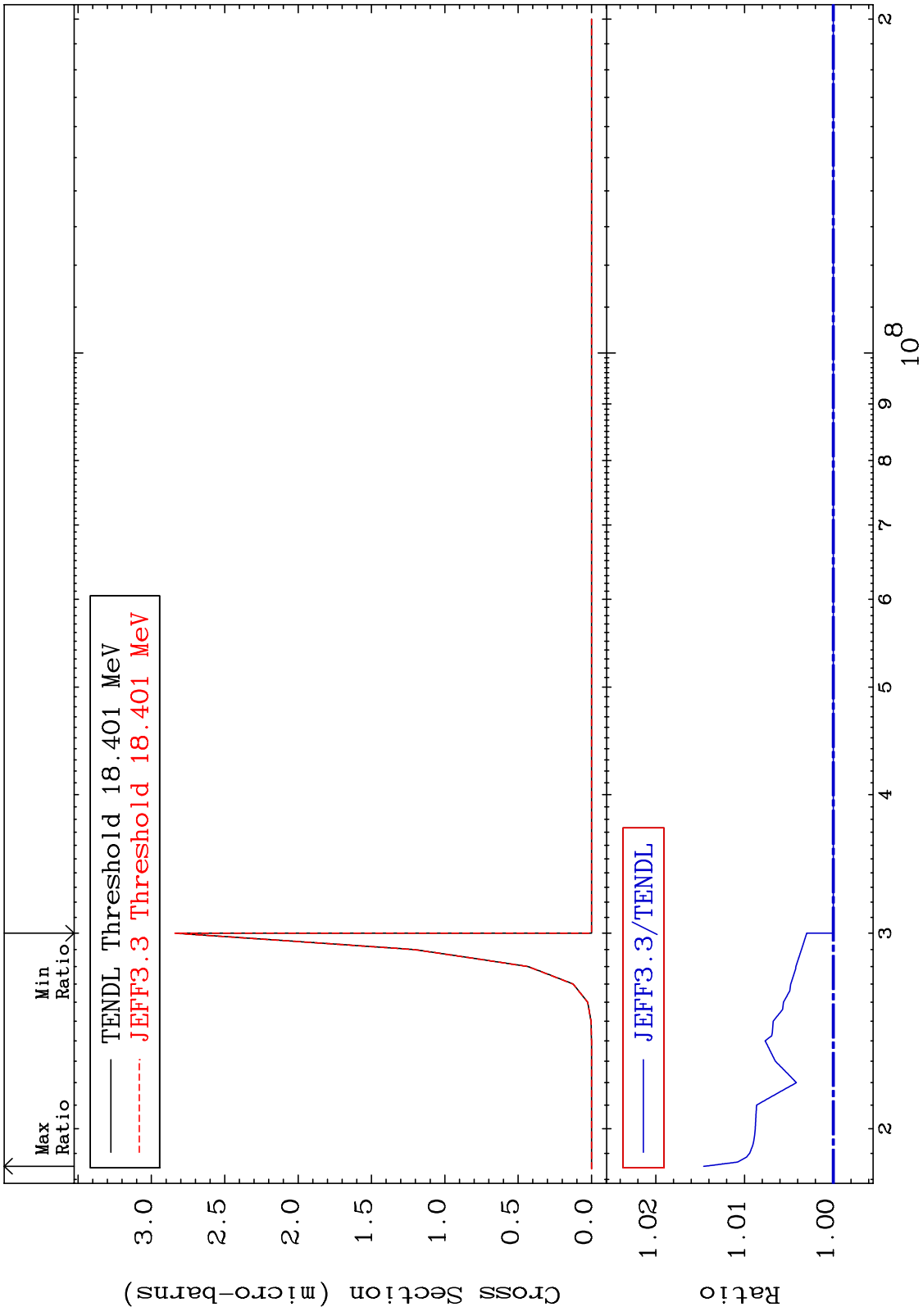
MAT 3640 (n,3n) p:35-Br-80g 36-Kr-83
Radionuclide Production Cross Section -0.404 To 0.092 %



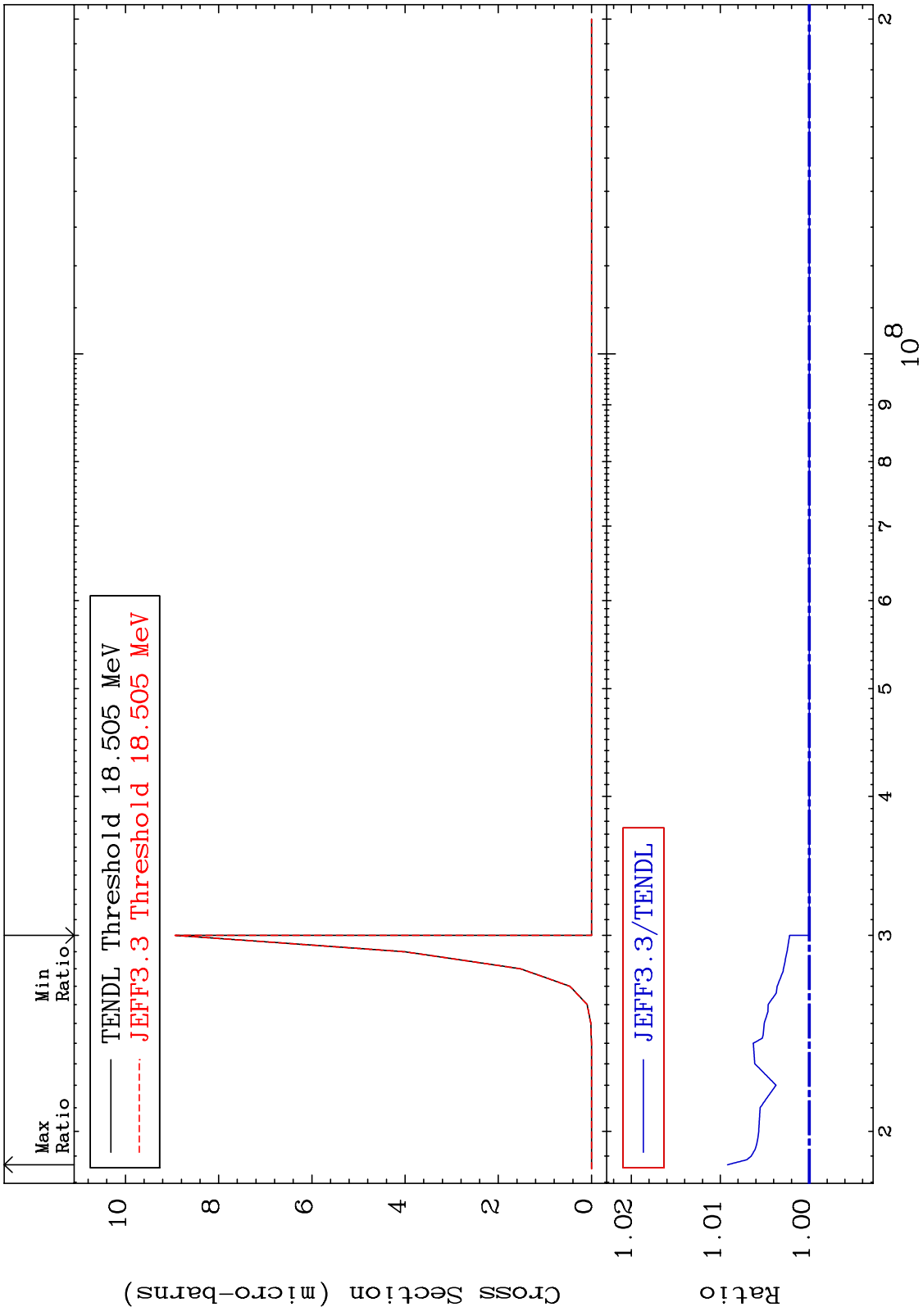
MAT 3640 (n,3n) p:35-Br-80m2 36-Kr-83
 Radionuclide Production Cross Section -0.484 To 0.145 %



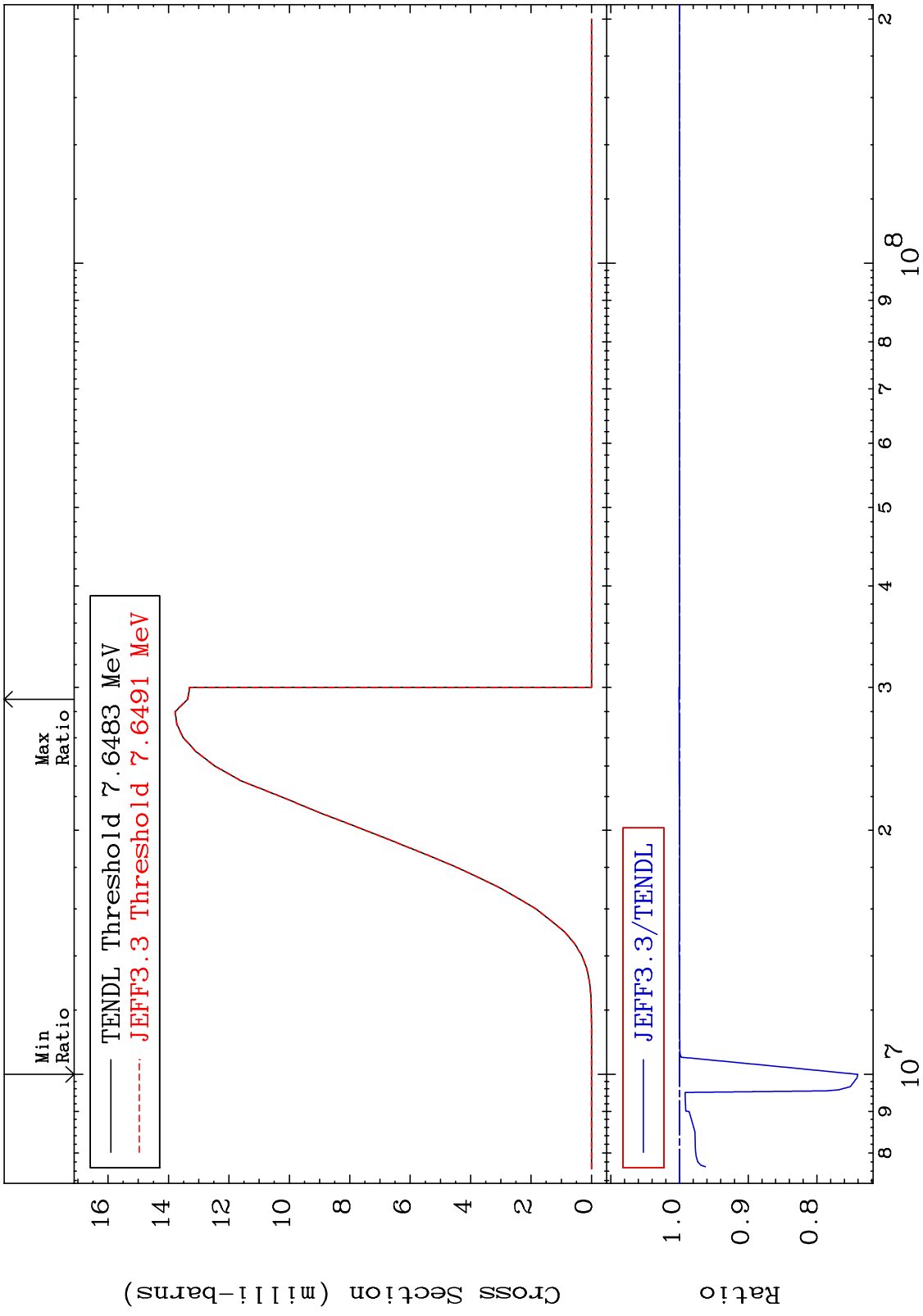
MAT 3640 (n,2n) p:34-Se-81g 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 1.460 %



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 %



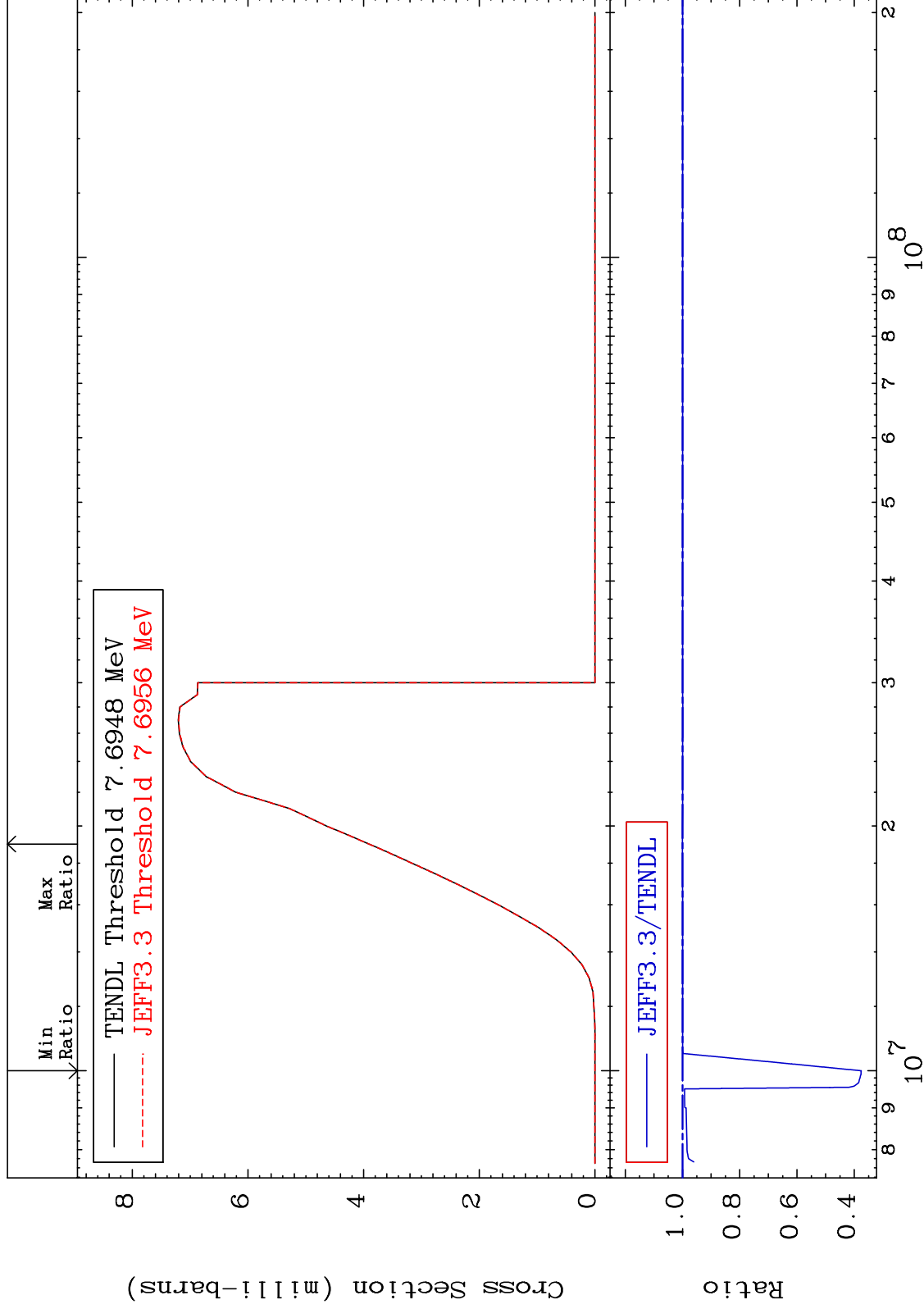
100 36-Kr-83

MAT 3640

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

36-Kr-83

Radionuclide Production Cross Section -62.45 To 0.019 %

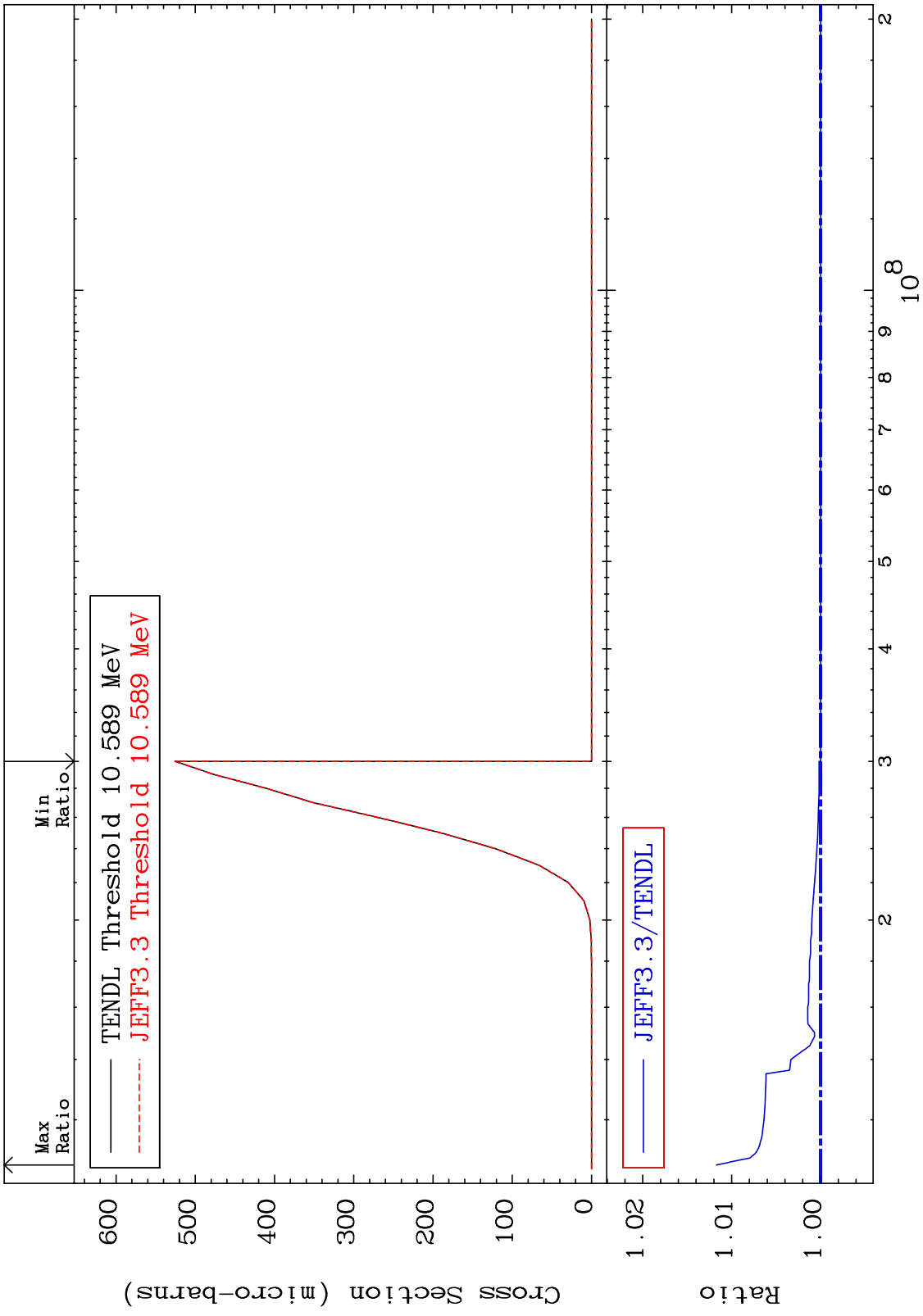


101

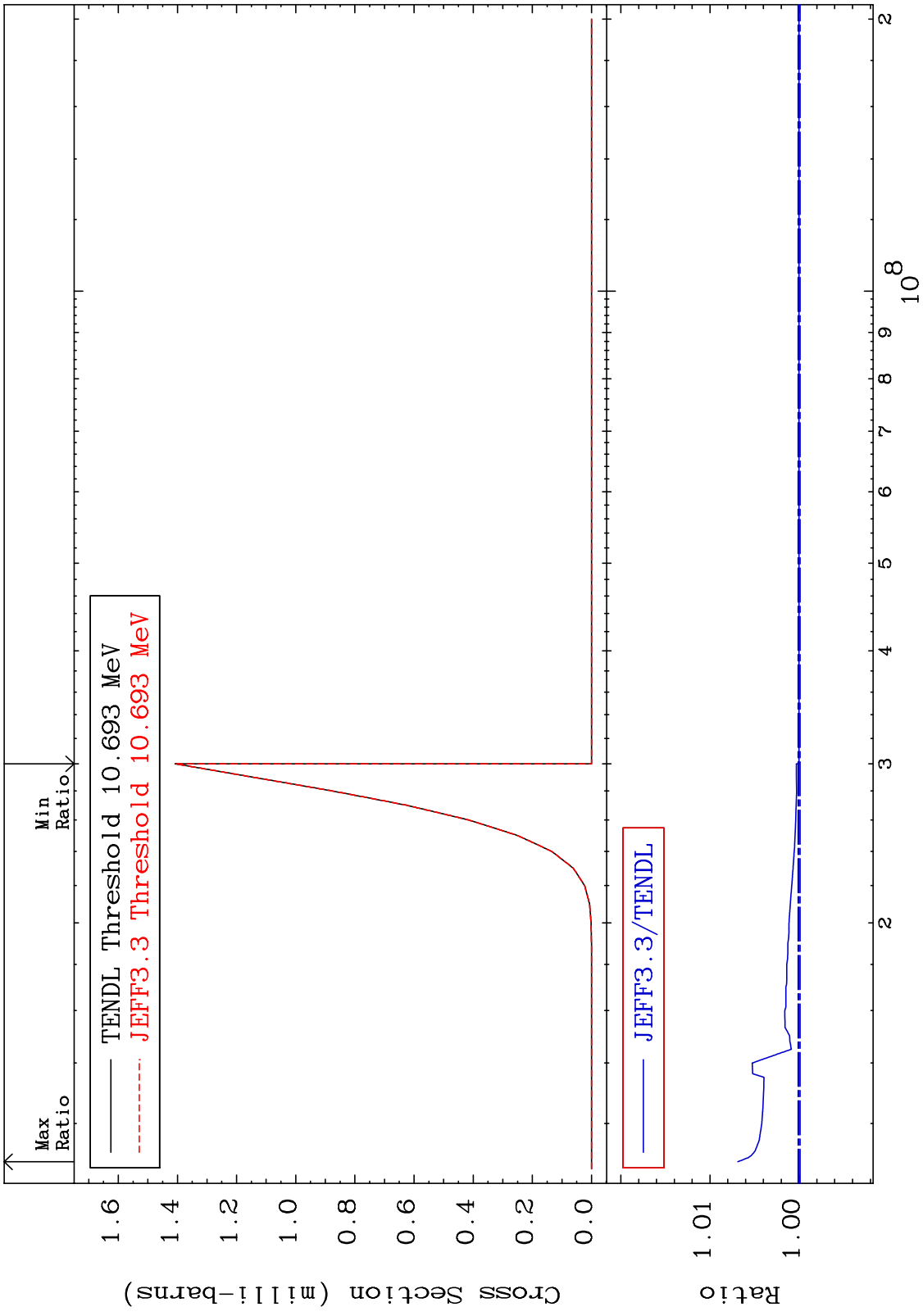
Incident Energy (eV)

36-Kr-83

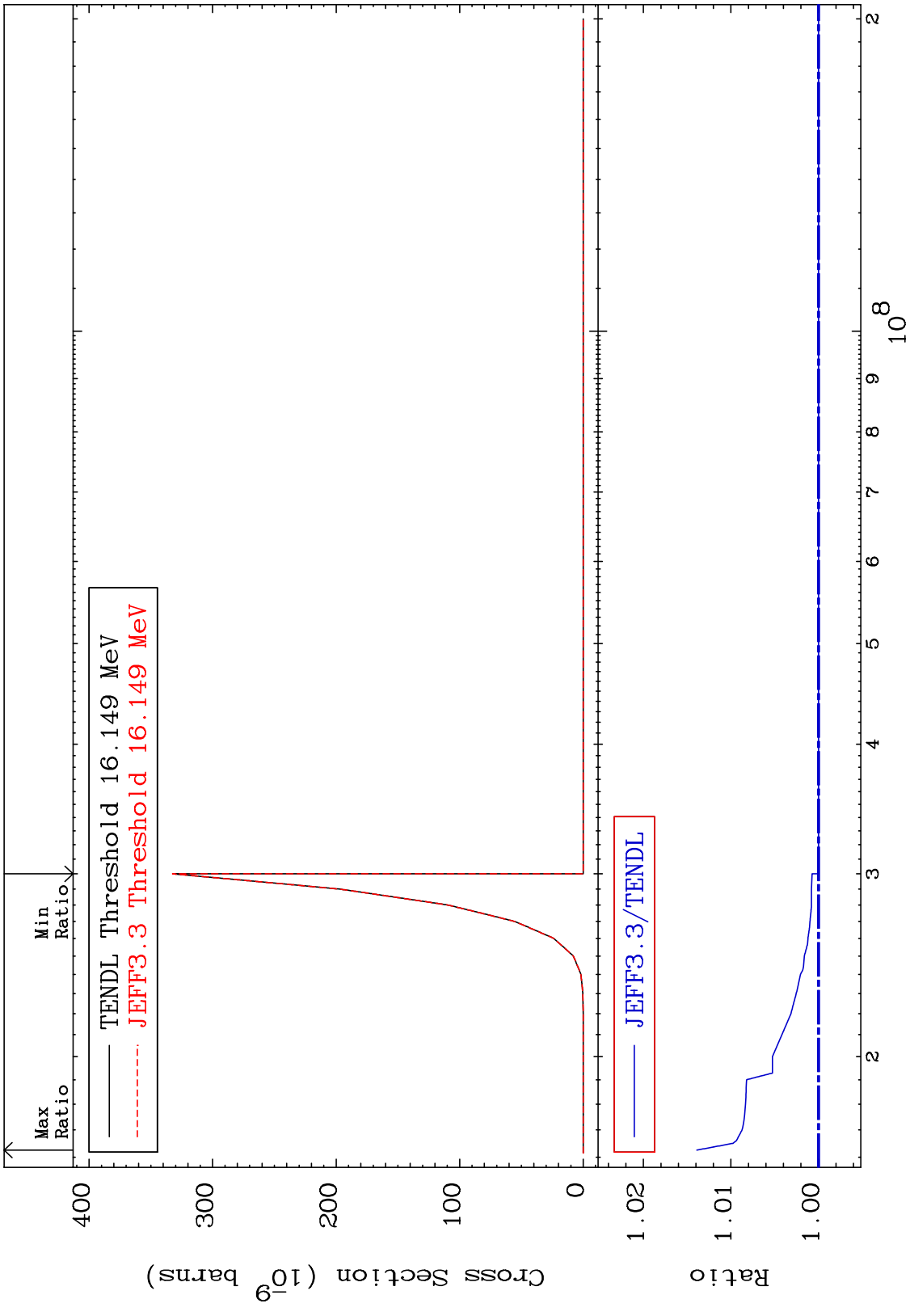
MAT 3640 (n,He-3):34-Se-81g 36-Kr-83
 Radionuclide Production Cross Section 0.000 To 1.172 %



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 %

