

Program Complot
(Version 2018-1)

by

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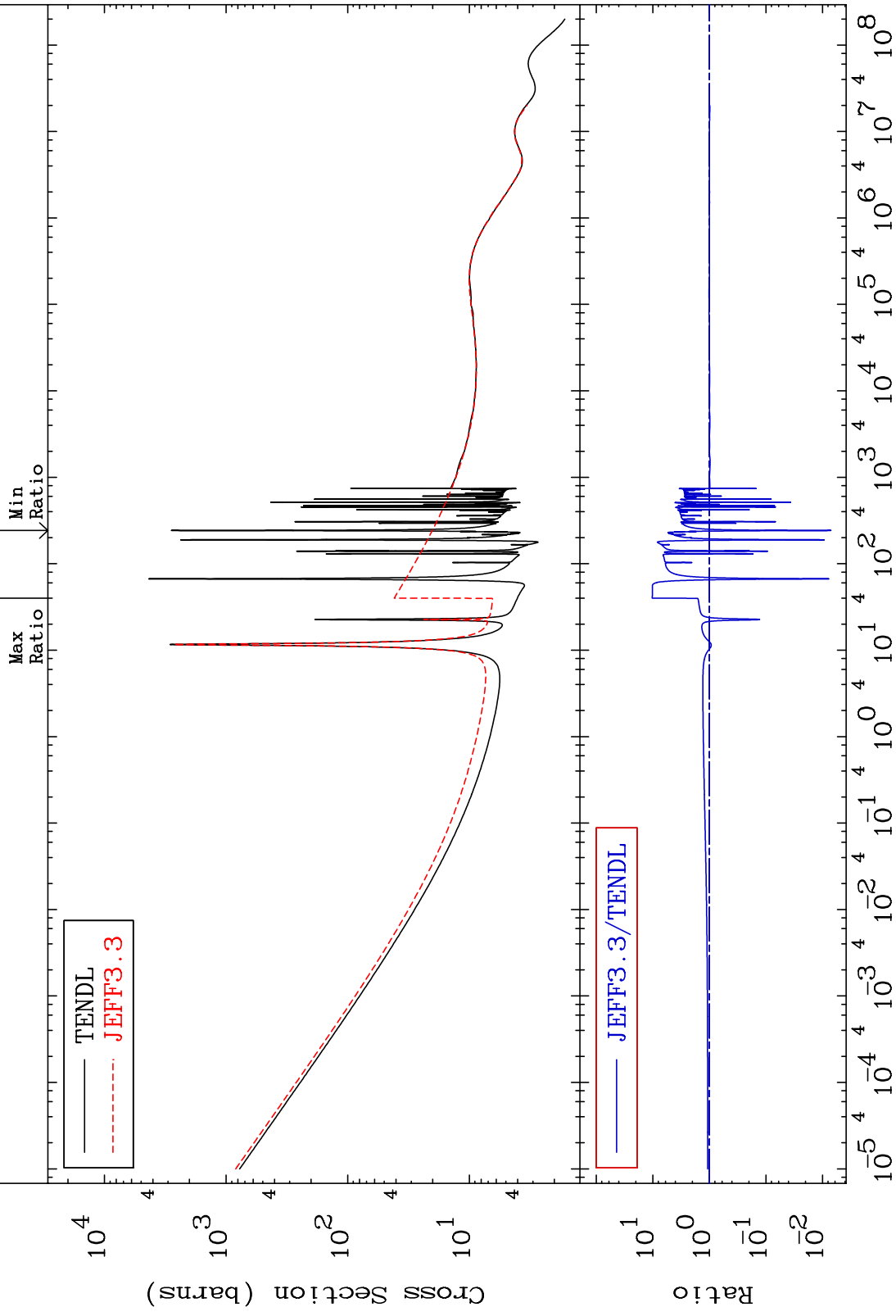
Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4128 41-Nb-94 -99.29 To 926.9 %

Total Cross Section



41-Nb-94

Incident Energy (eV)

1

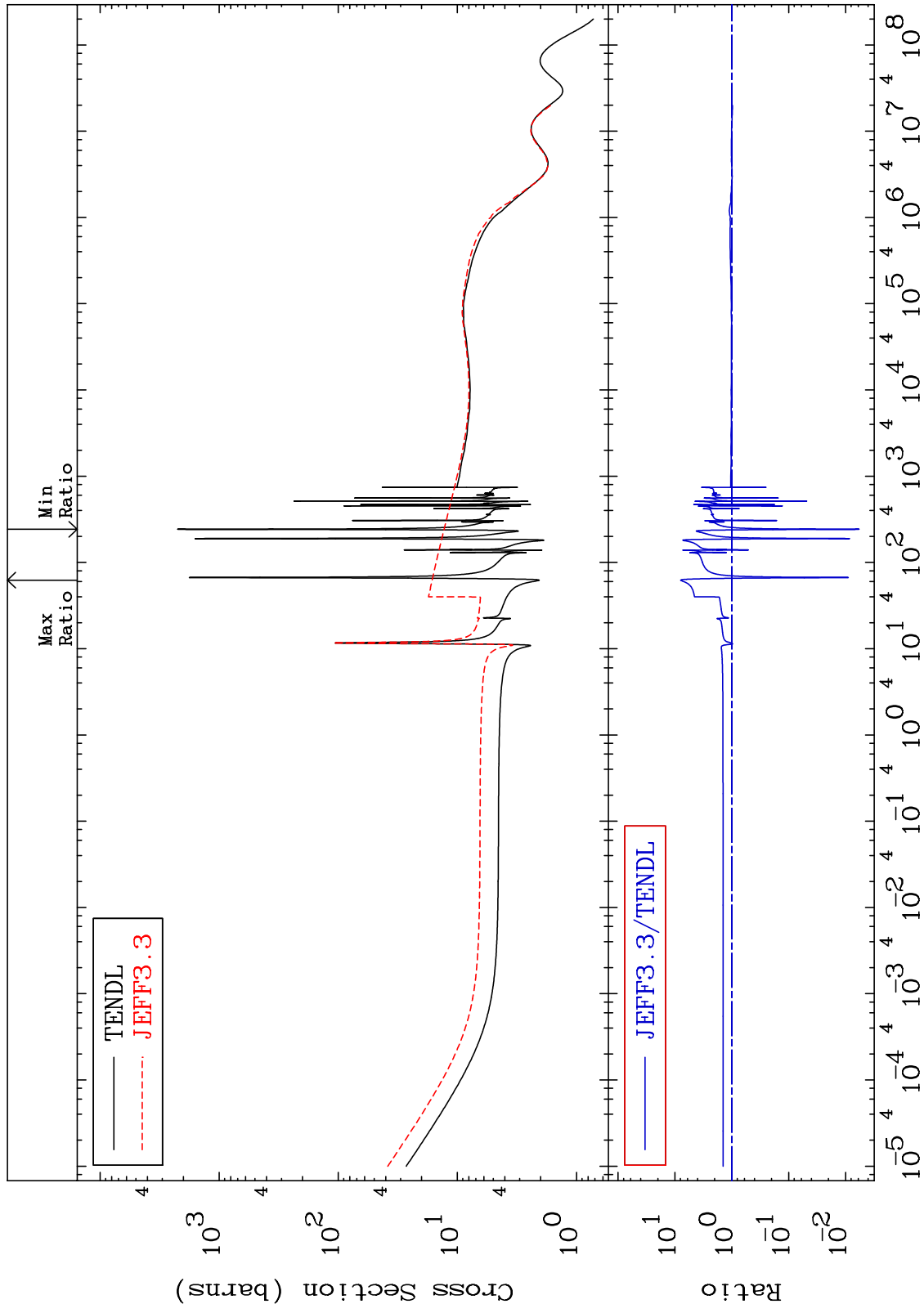
MAT 4128

Elastic

41-Nb-94

Cross Section

-99.42 To 693.8 %

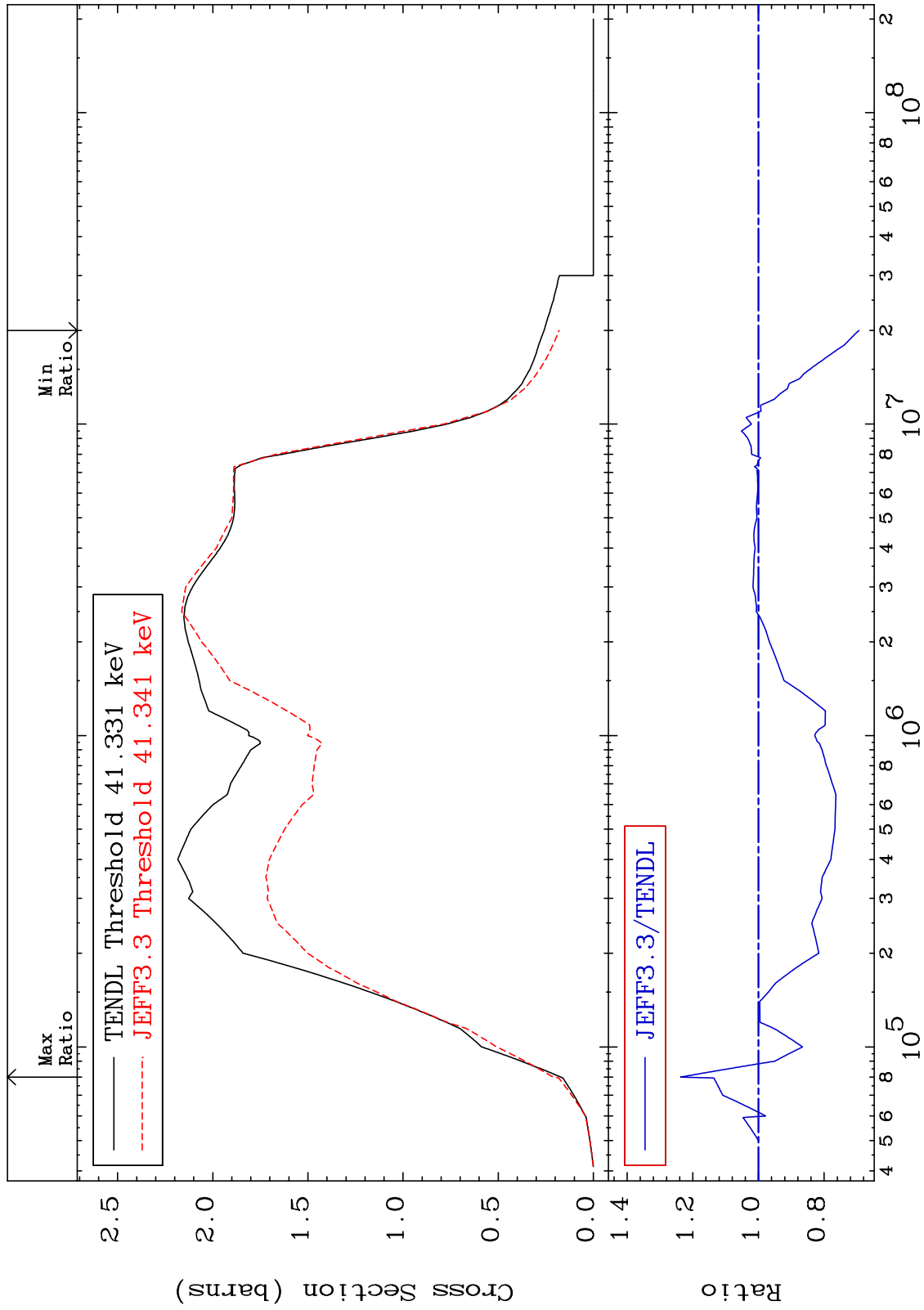


2

Incident Energy (eV)

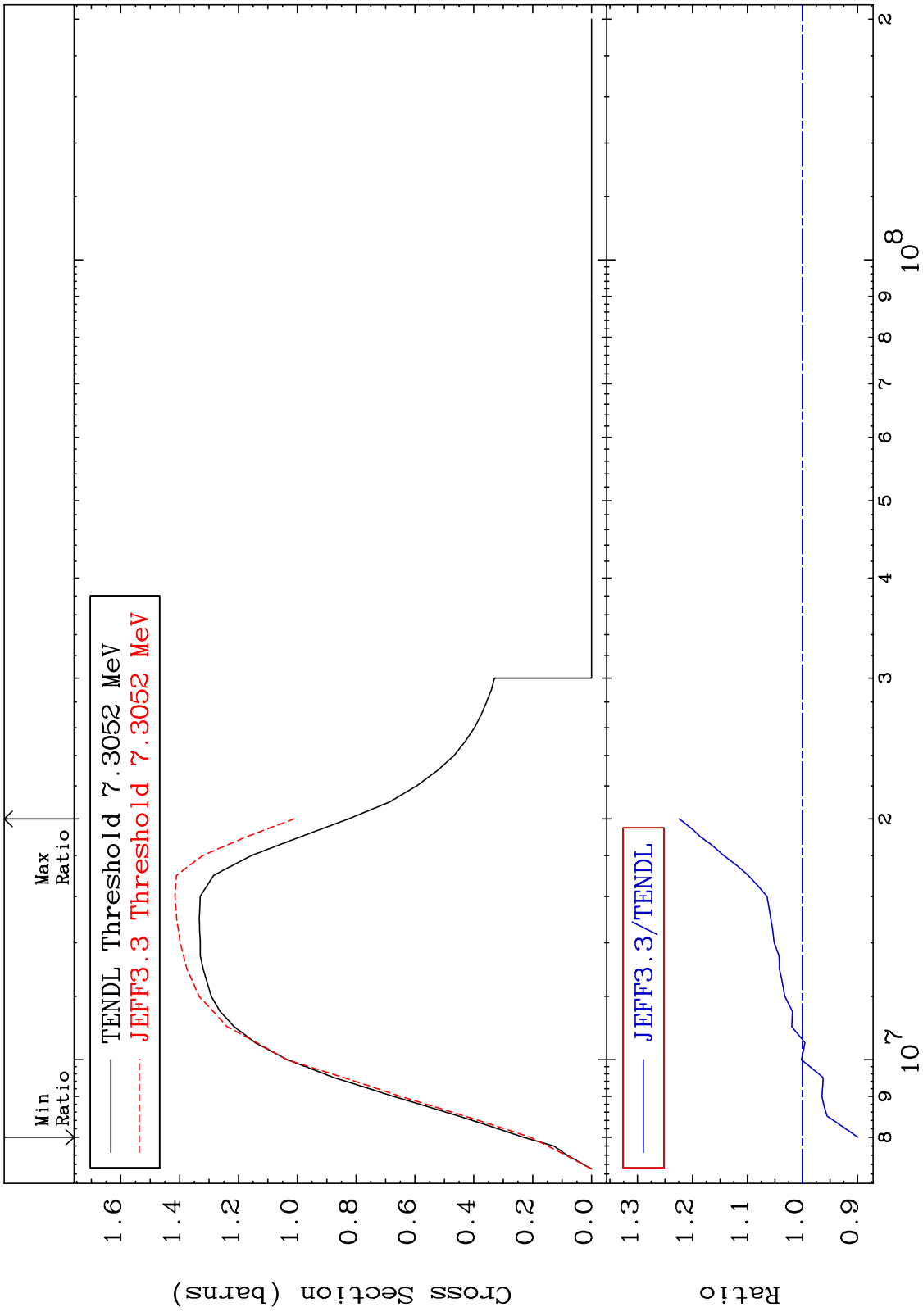
41-Nb-94

MAT 4128 Inelastic Cross Section 41-Nb-94 -30.62 To 23.70 %

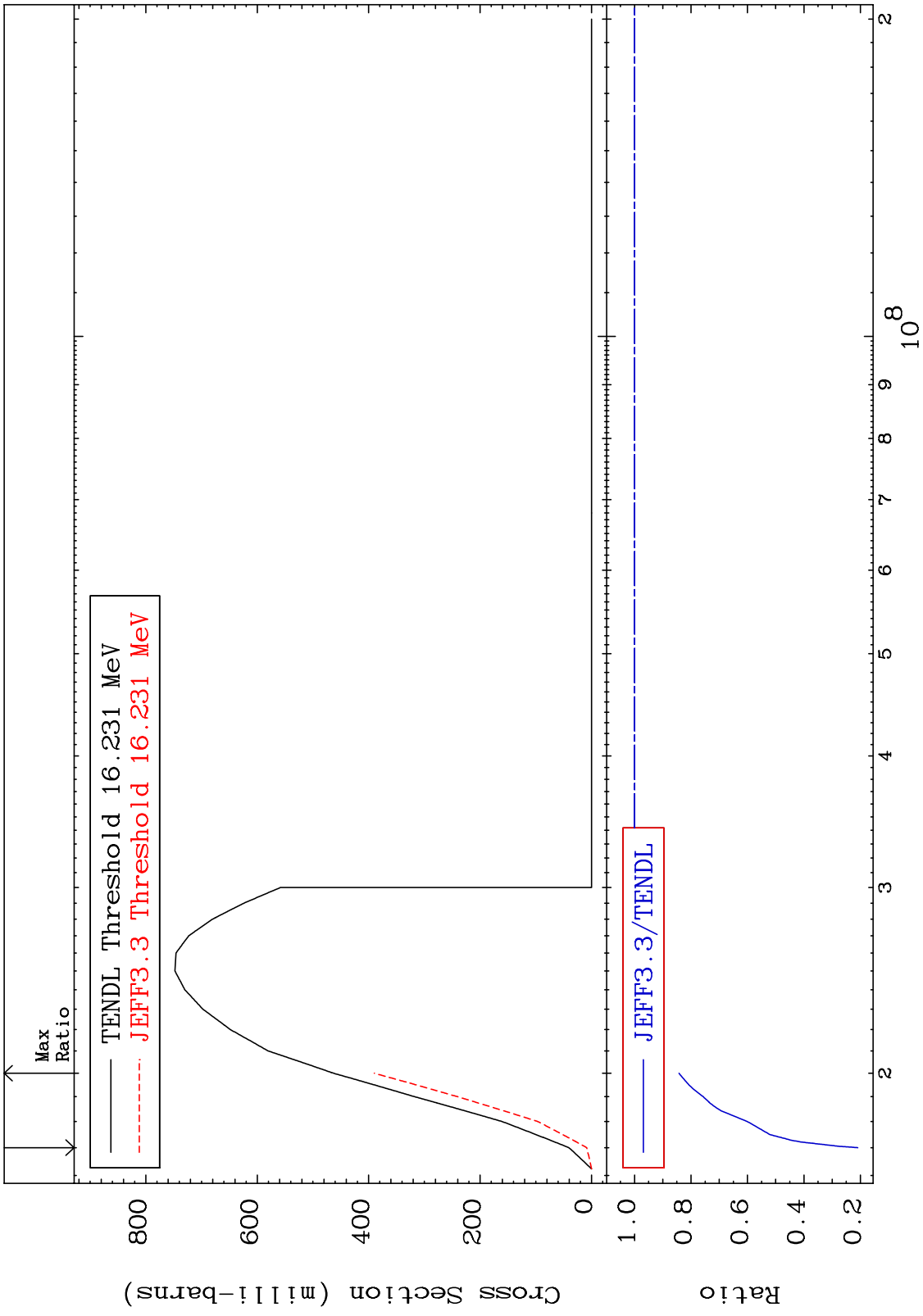


3 41-Nb-94

MAT 4128 (n,2n) Cross Section 41-Nb-94 -10.06 To 22.45 %



MAT 4128 (n,3n) Cross Section 41-Nb-94 -79.09 To -15.76%



5 41-Nb-94 Incident Energy (eV)

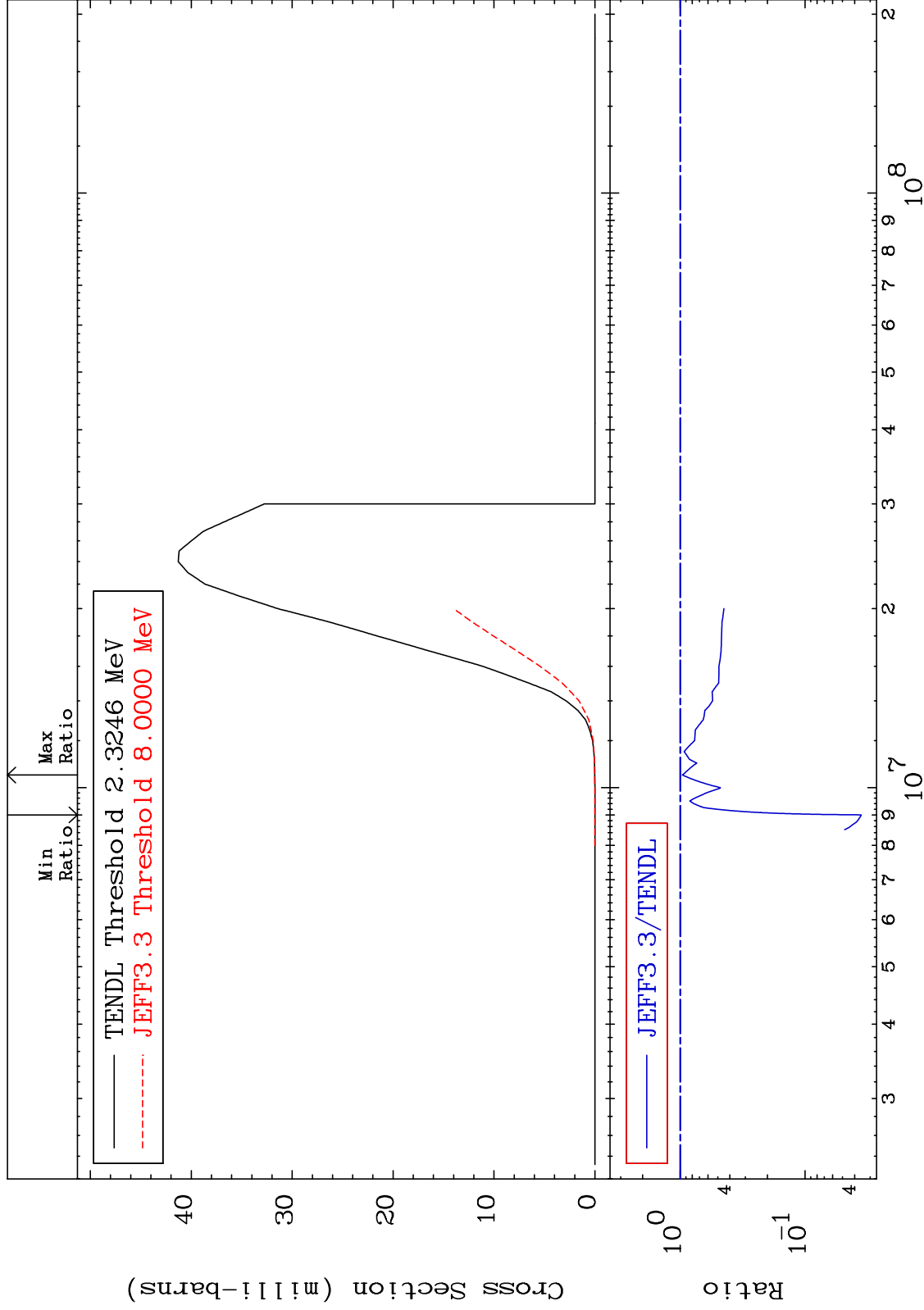
MAT 4128

(n, n') α

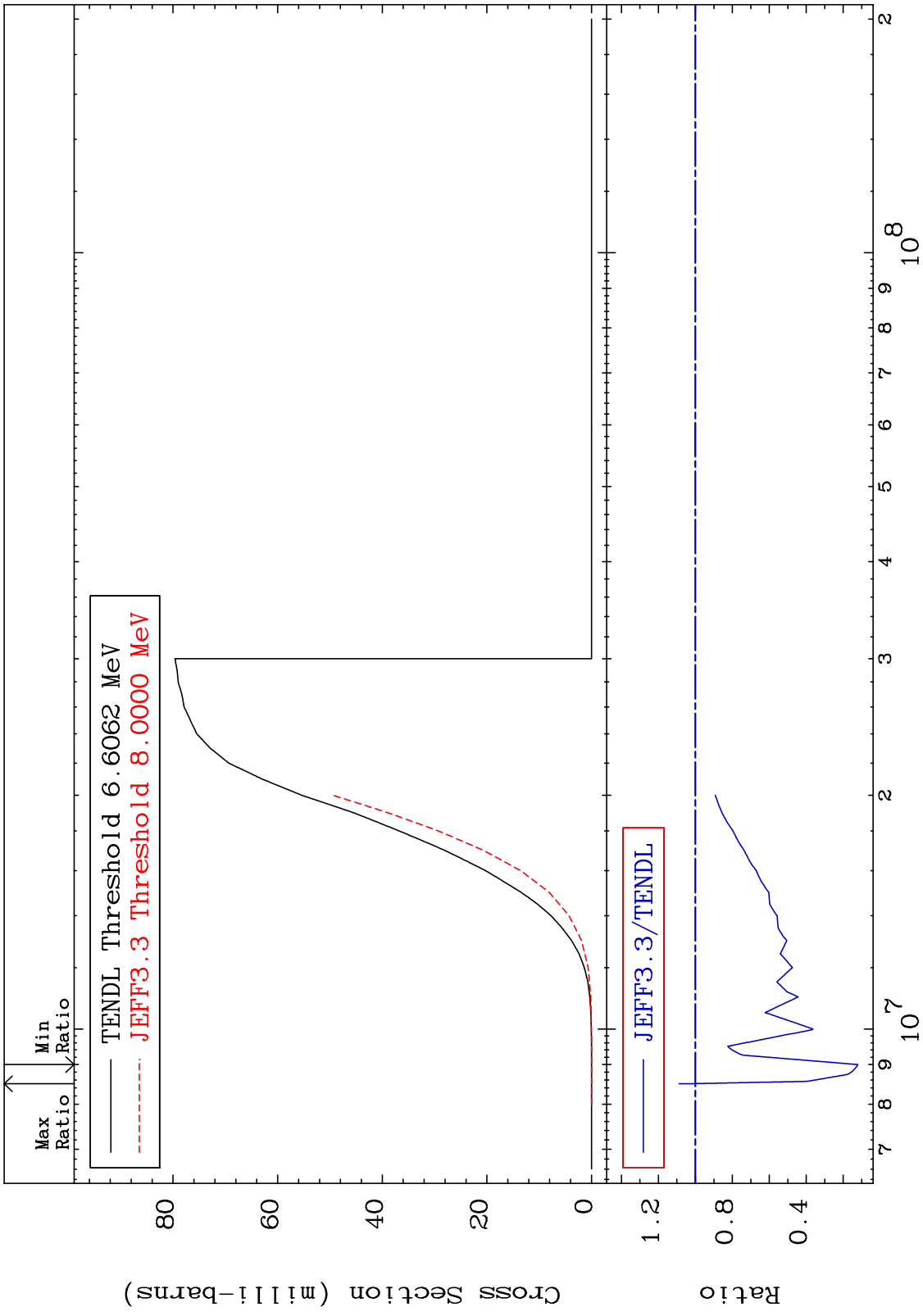
41-Nb-94

Cross Section

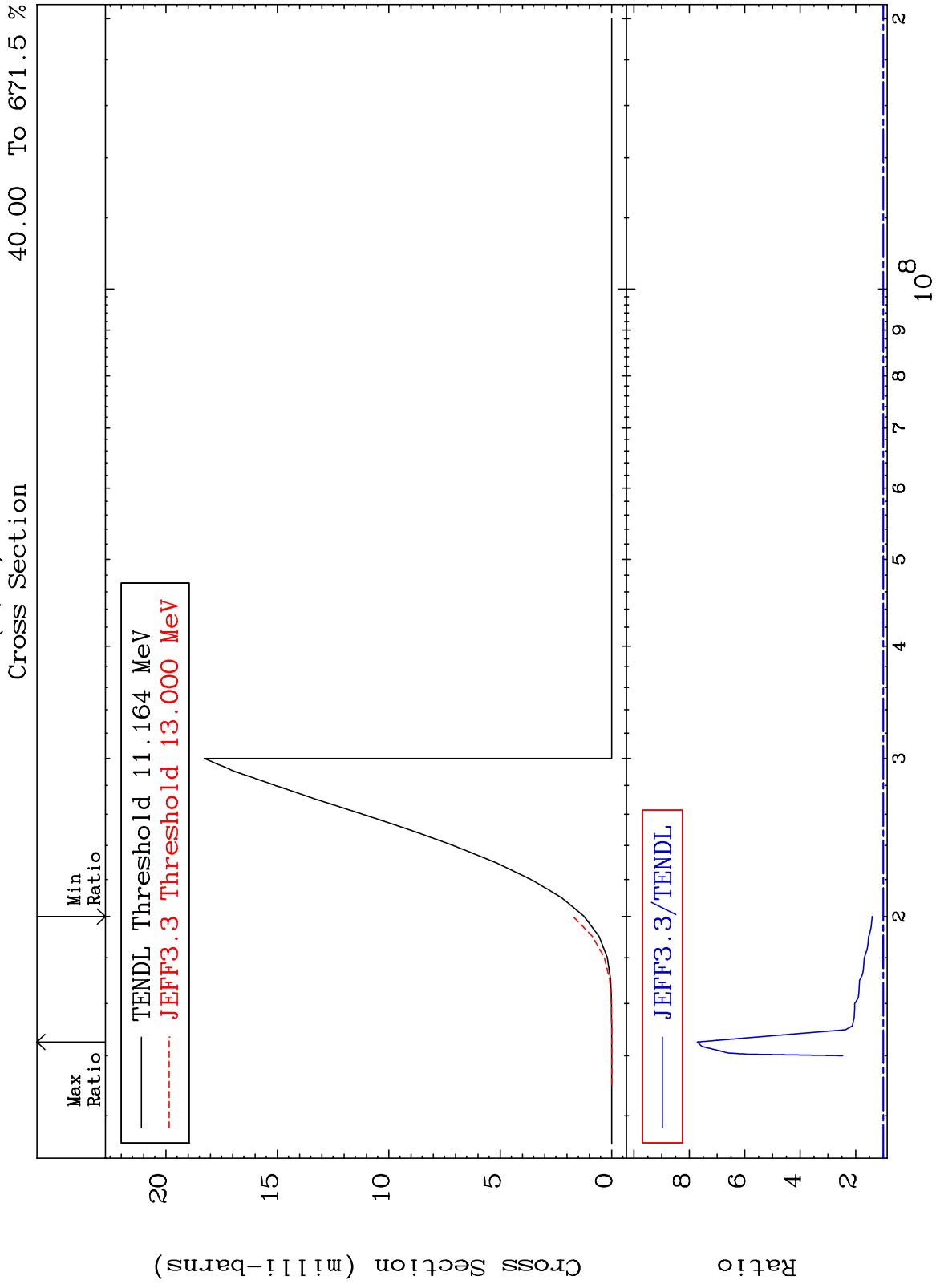
-96.46 To -4.041%



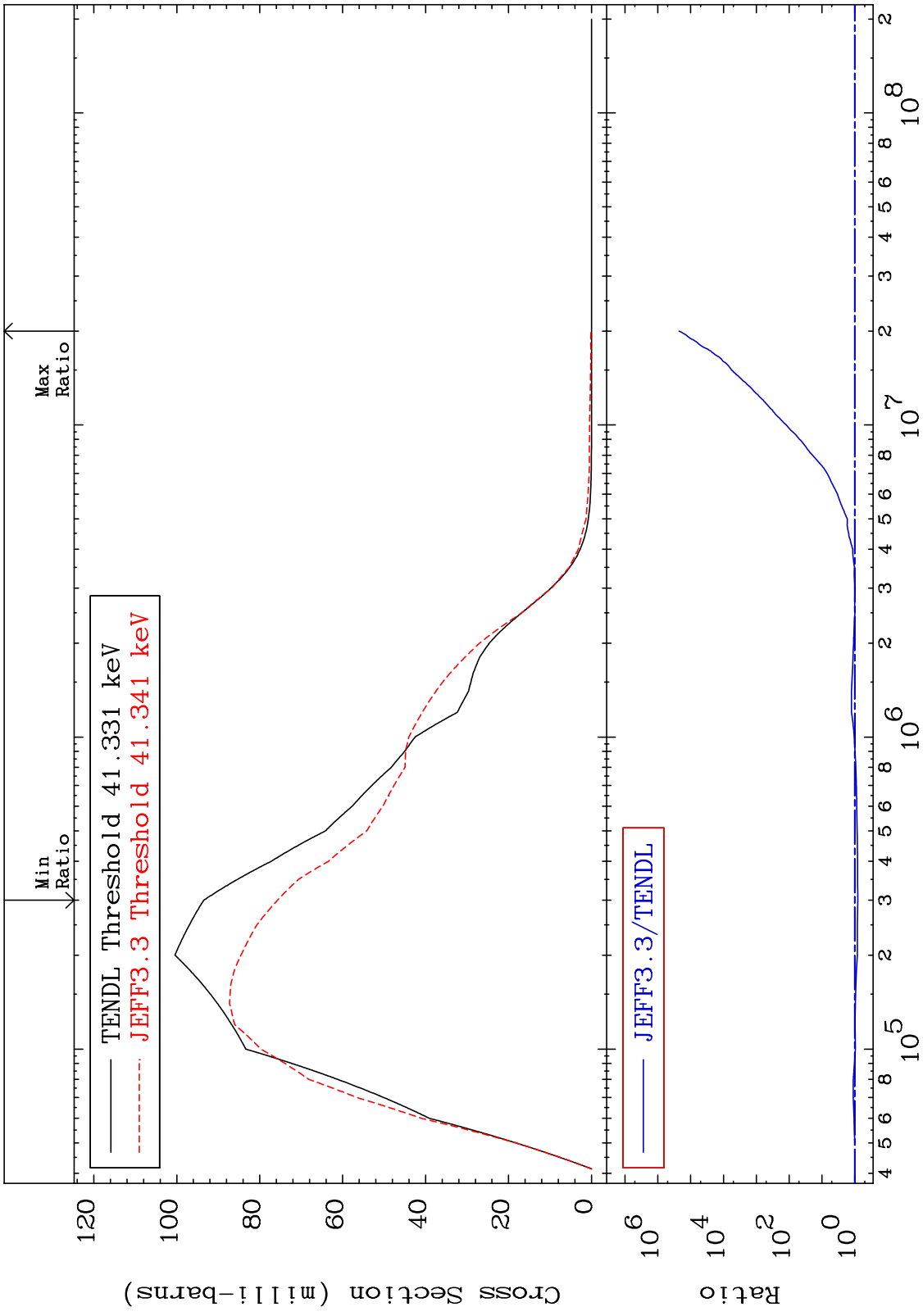
MAT 4128 (n,n') p 41-Nb-94
 Cross Section -87.95 To 8.838 %



7 8 9 10⁷ 10⁸ 41-Nb-94



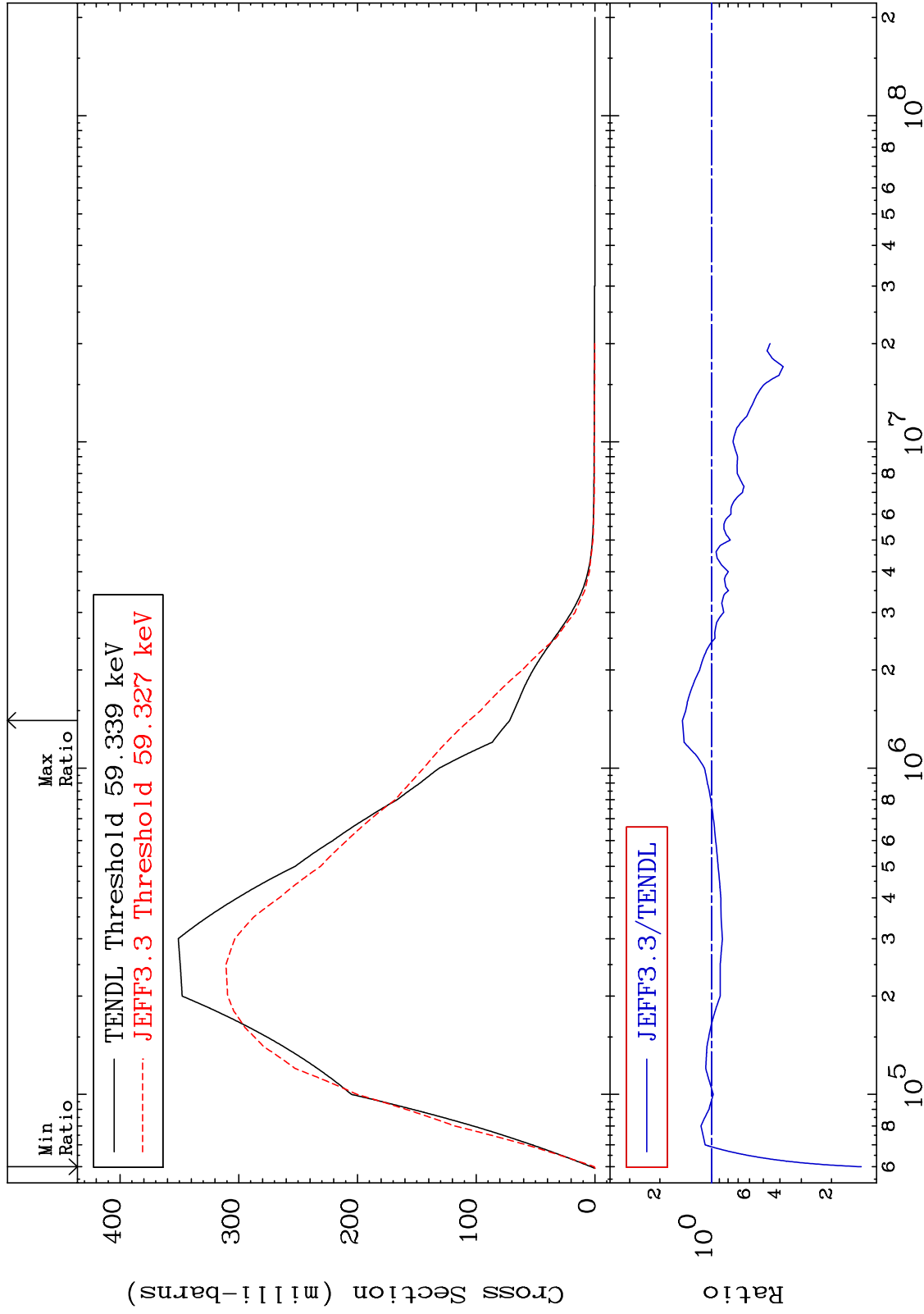
MAT 4128 MT= 51 (n,n') Level Cross Section -19.01 To 9999. % 41-Nb-94



MAT 4128

MT= 52 (n,n') Level
Cross Section

41-Nb-94
-86.58 To 47.66 %



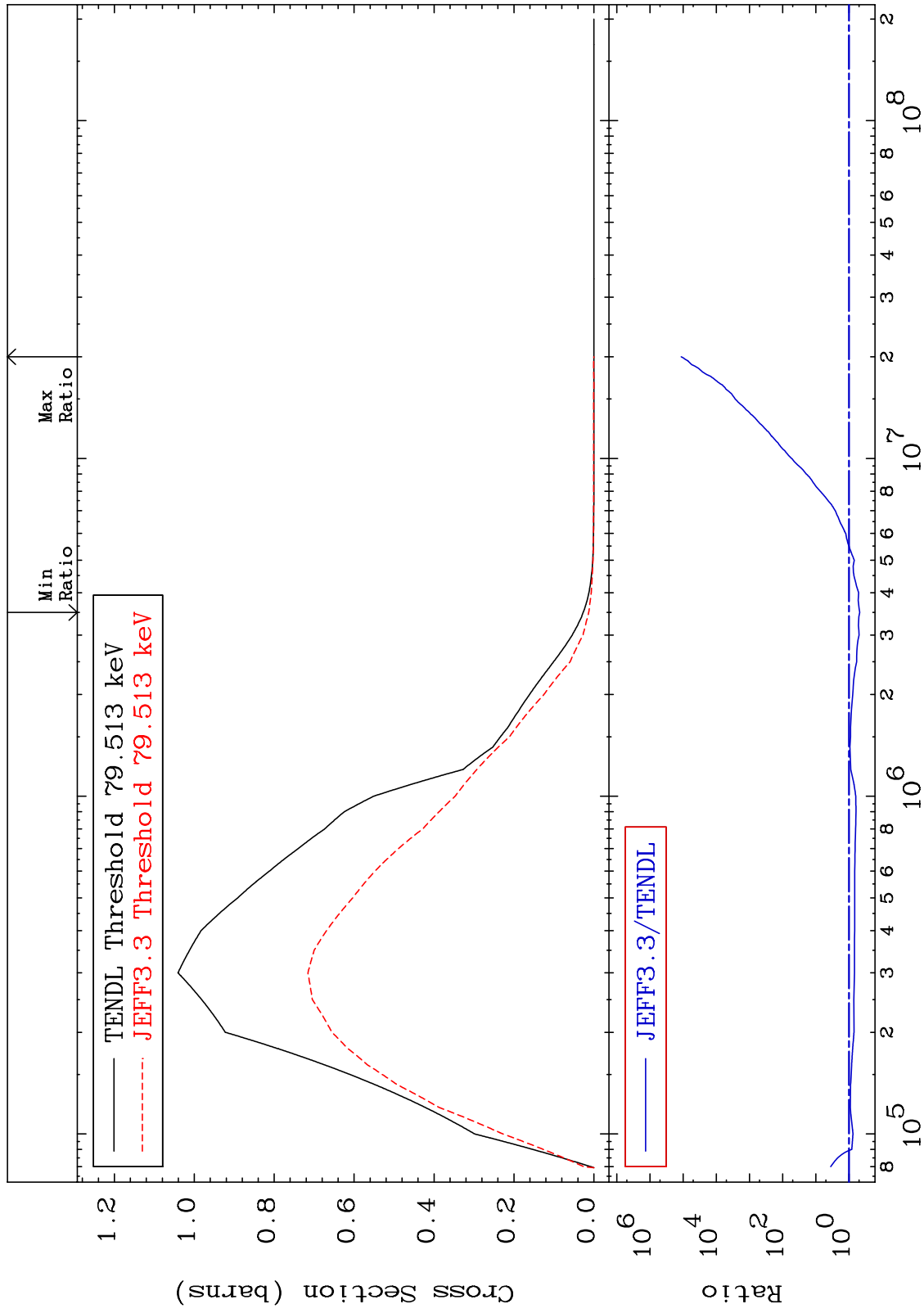
10

41-Nb-94

MAT 4128

MT= 53 (n, n') Level
Cross Section

41-Nb-94
-52.30 To 9999. %



11

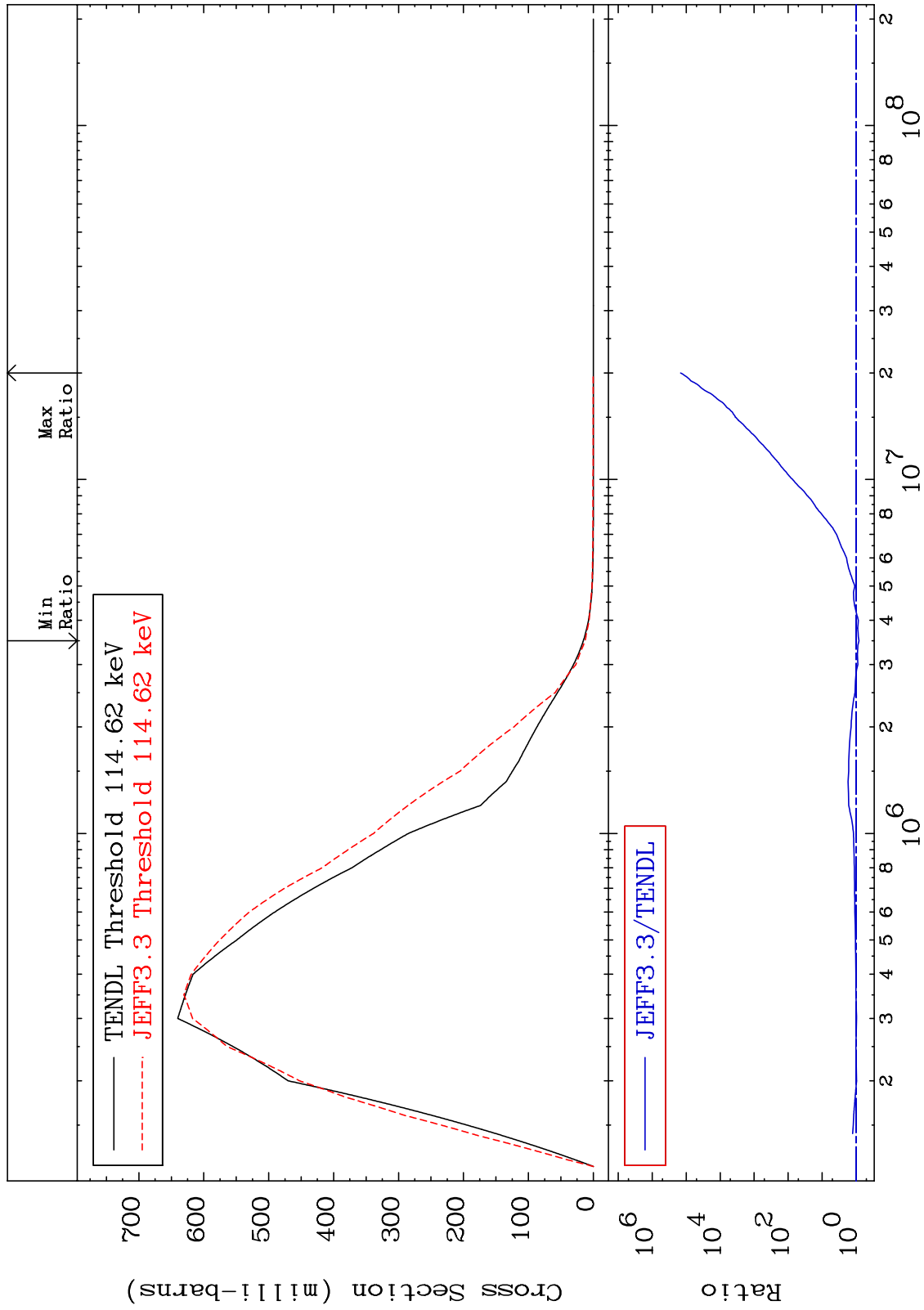
Incident Energy (eV)

41-Nb-94

MAT 4128

MT= 54 (n,n') Level
Cross Section

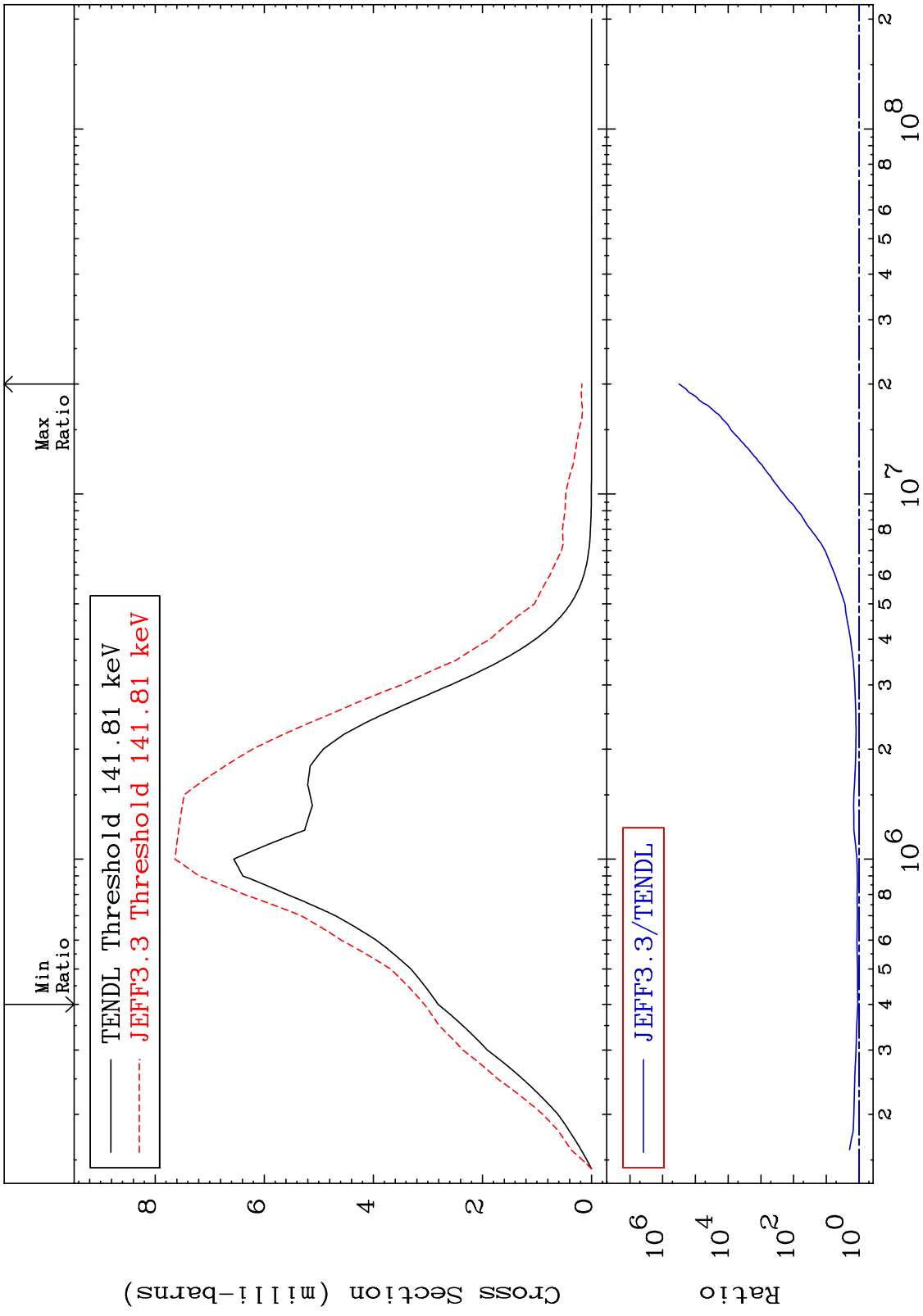
41-Nb-94
-18.14 To 9999. %



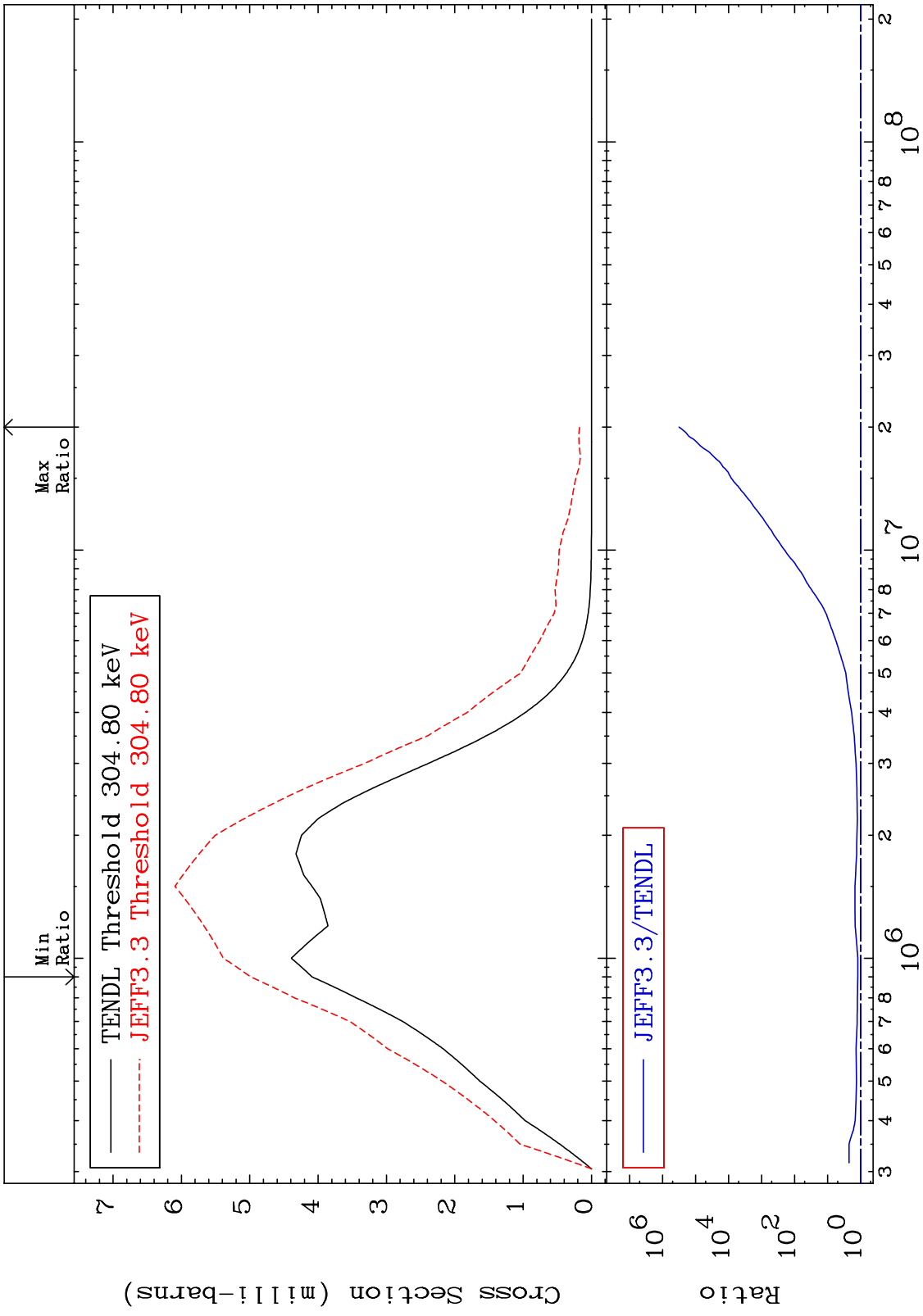
12

41-Nb-94

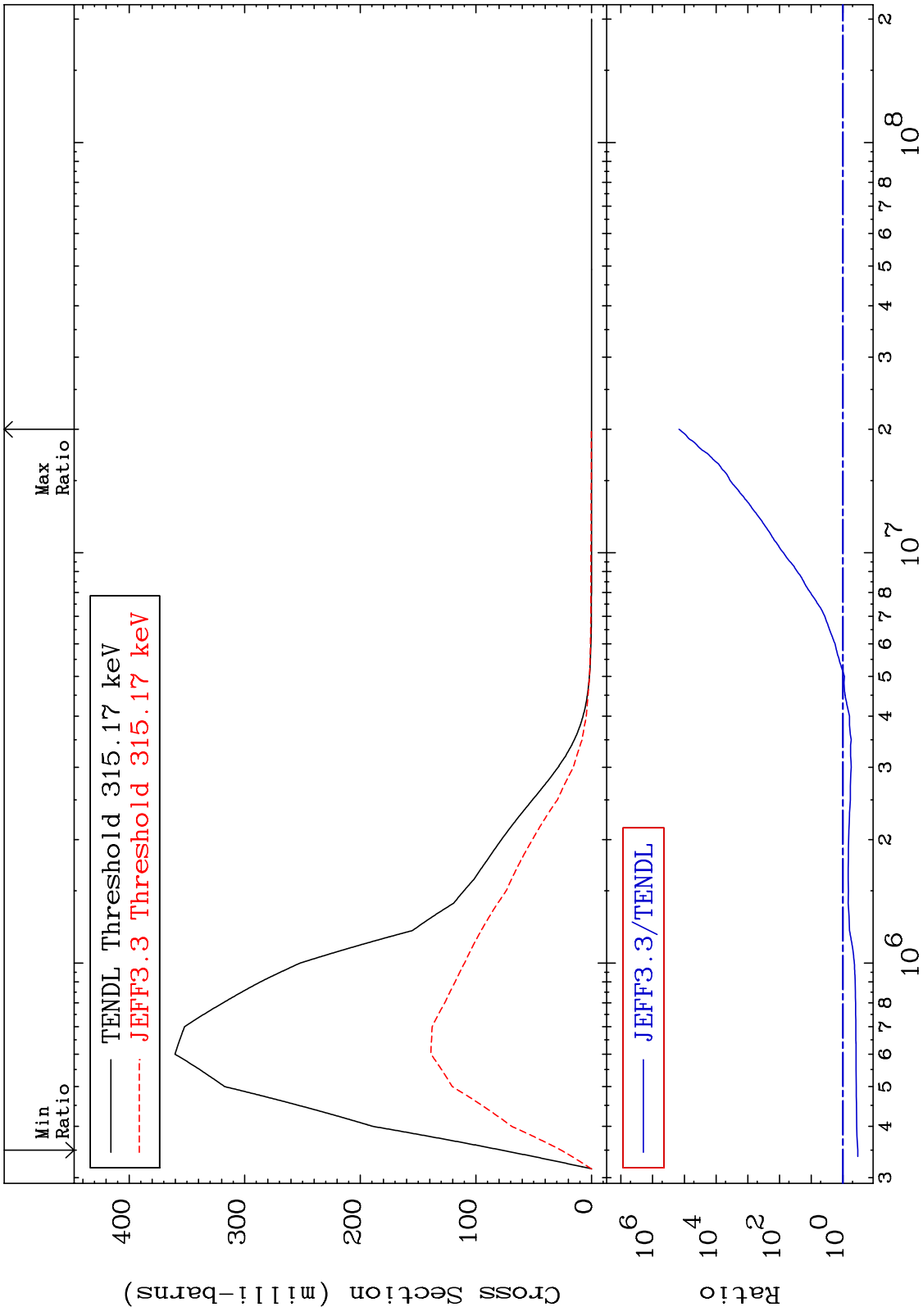
MAT 4128 MT= 55 (n,n') Level Cross Section 41-Nb-94 8.977 To 9999. %



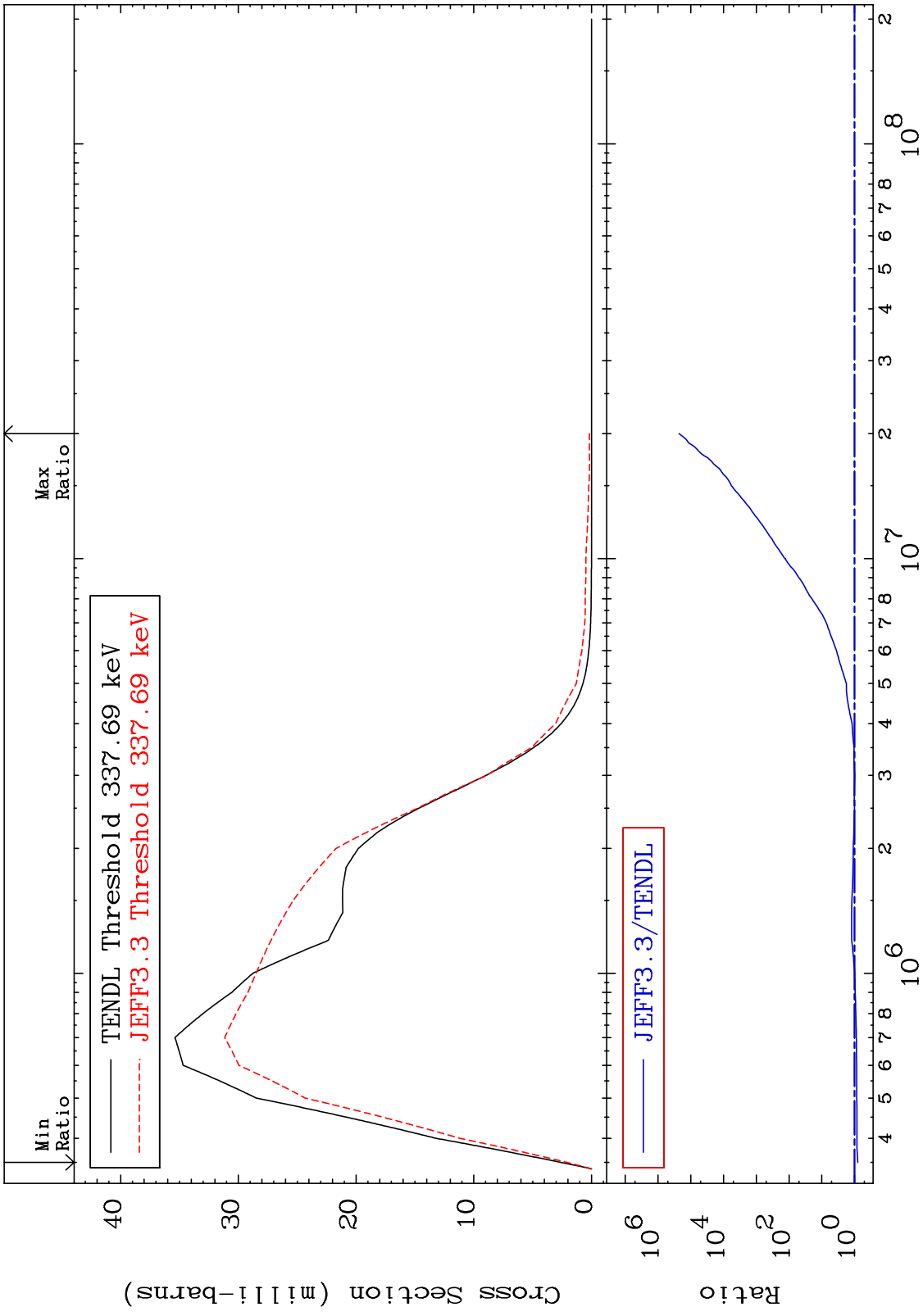
MAT 4128 MT= 56 (n,n') Level Cross Section 41-Nb-94 21.97 To 9999. %



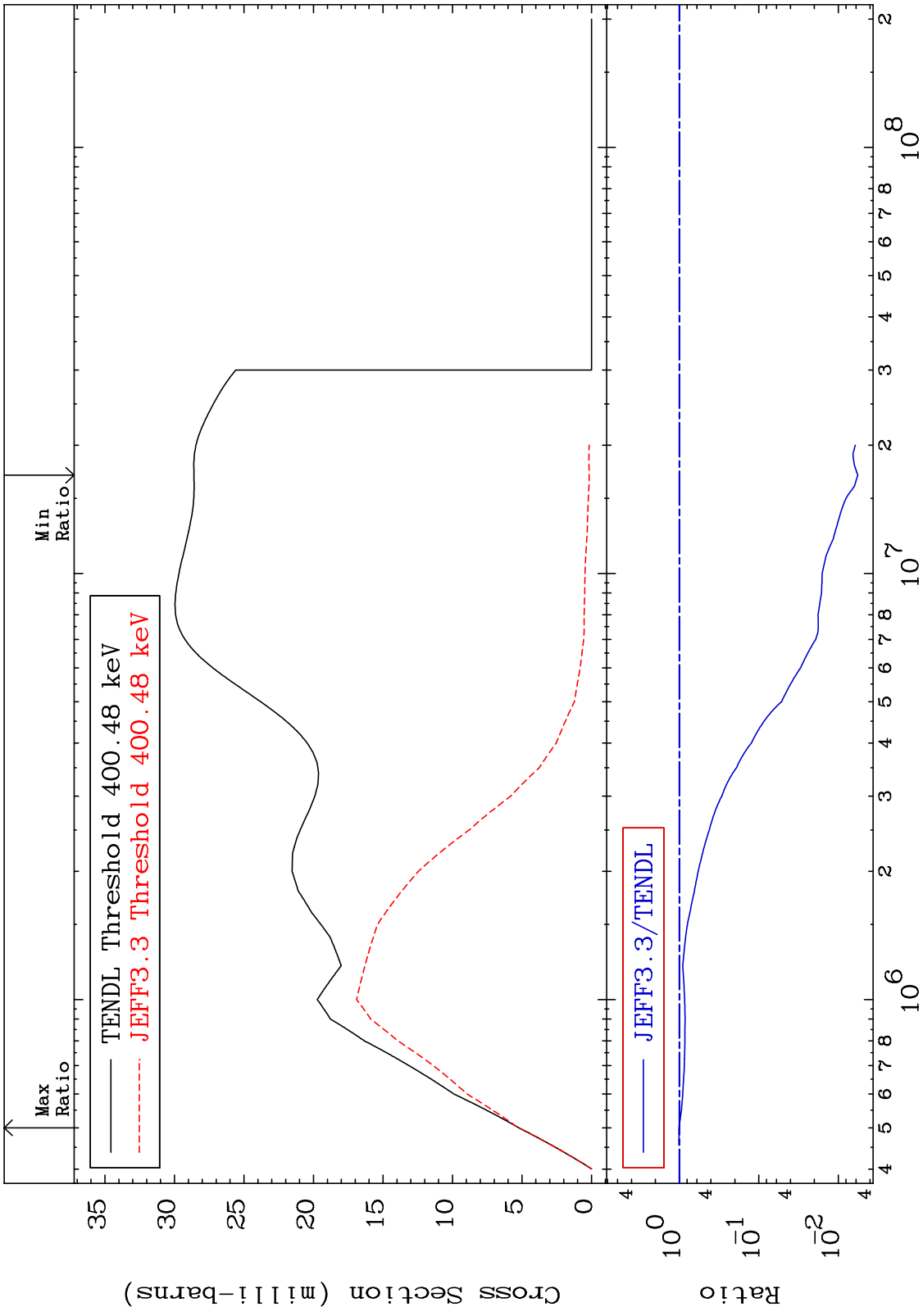
MAT 4128 MT= 57 (n,n') Level Cross Section -66.19 To 9999. % 41-Nb-94



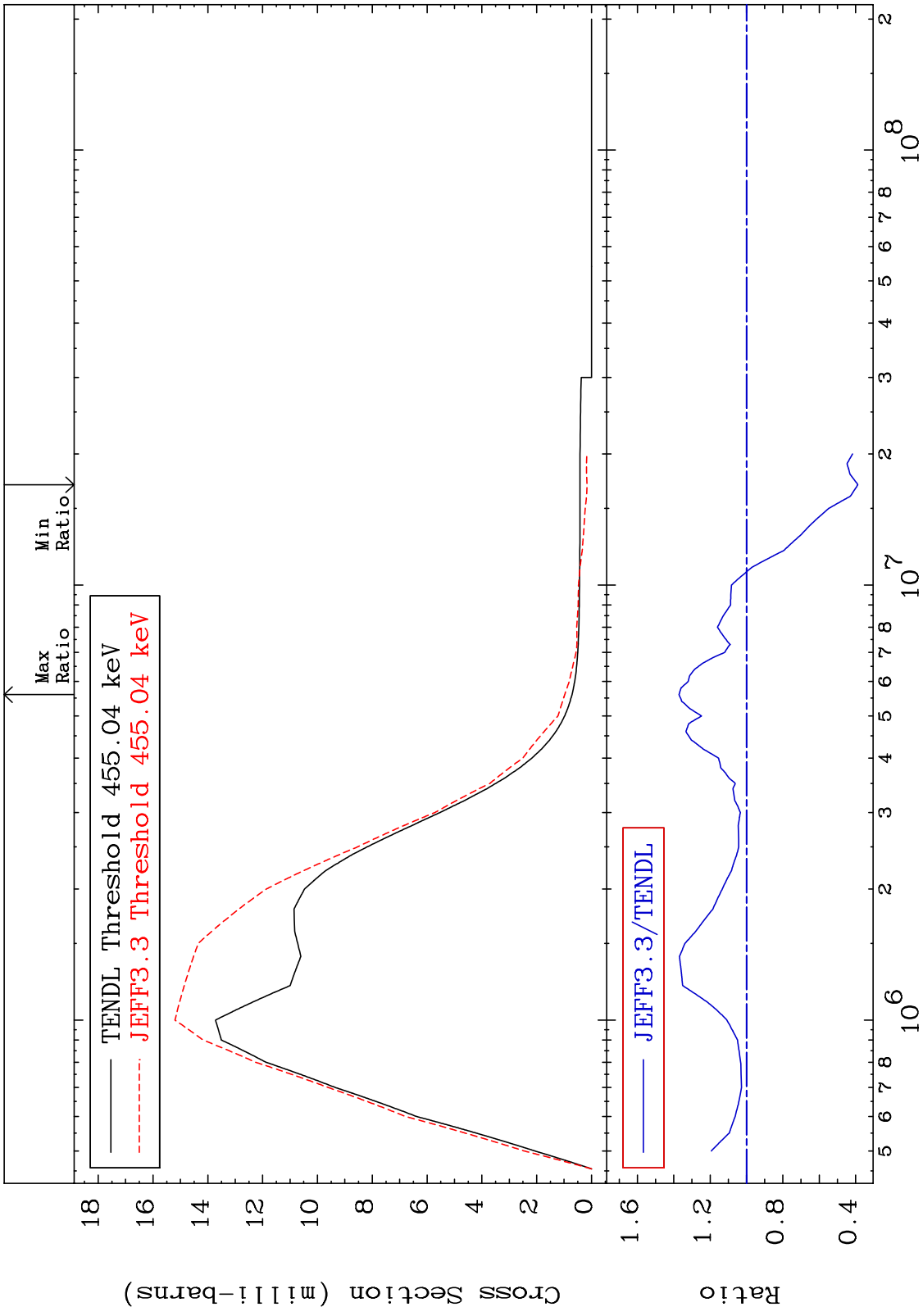
MAT 4128 MT= 58 (n,n') Level Cross Section -20.62 To 9999. % 41-Nb-94



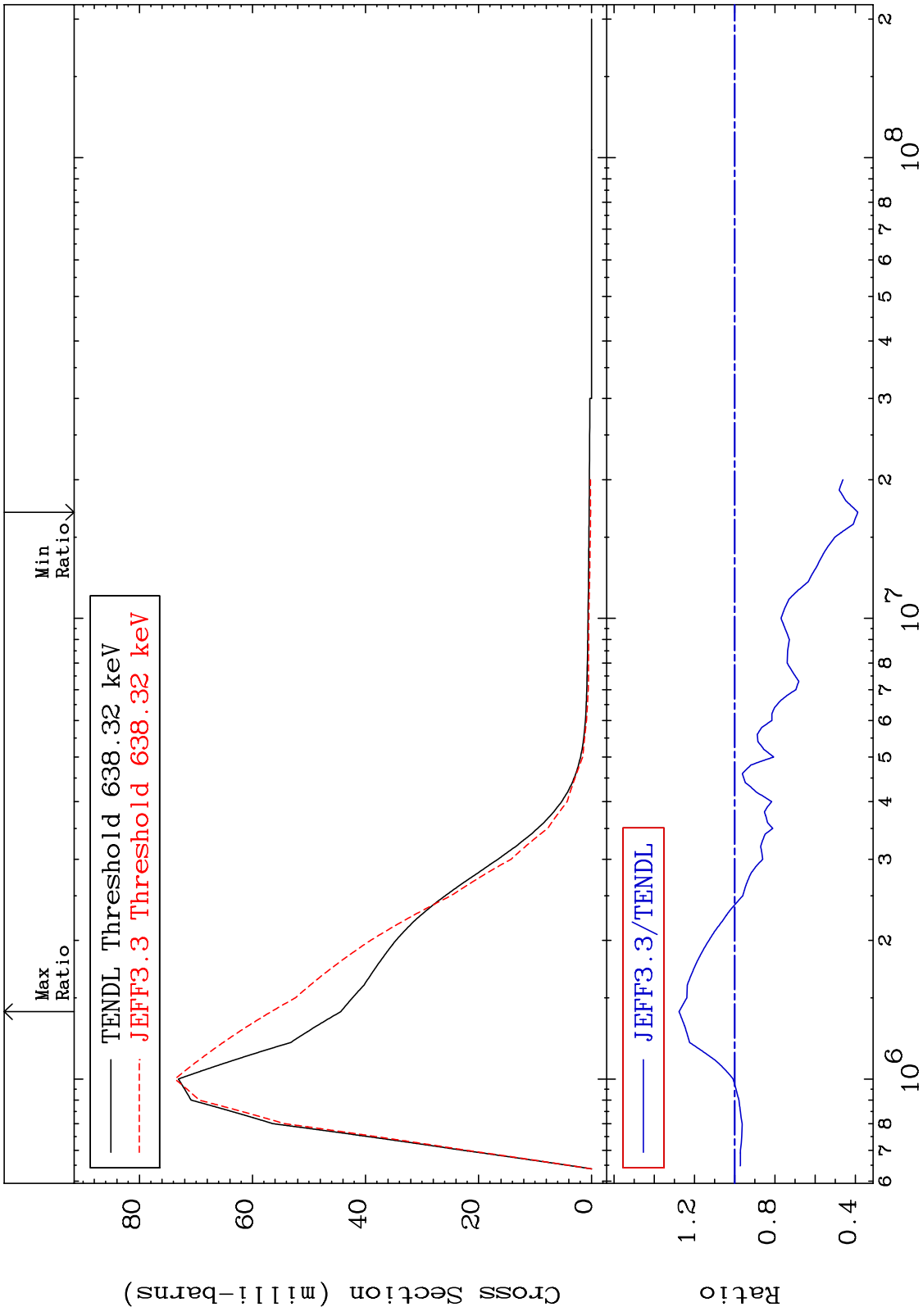
MAT 4128 MT= 59 (n,n') Level Cross Section 41-Nb-94 -99.43 To 0.765 %



MAT 4128 MT= 60 (n,n') Level Cross Section -61.25 To 37.11 % 41-Nb-94



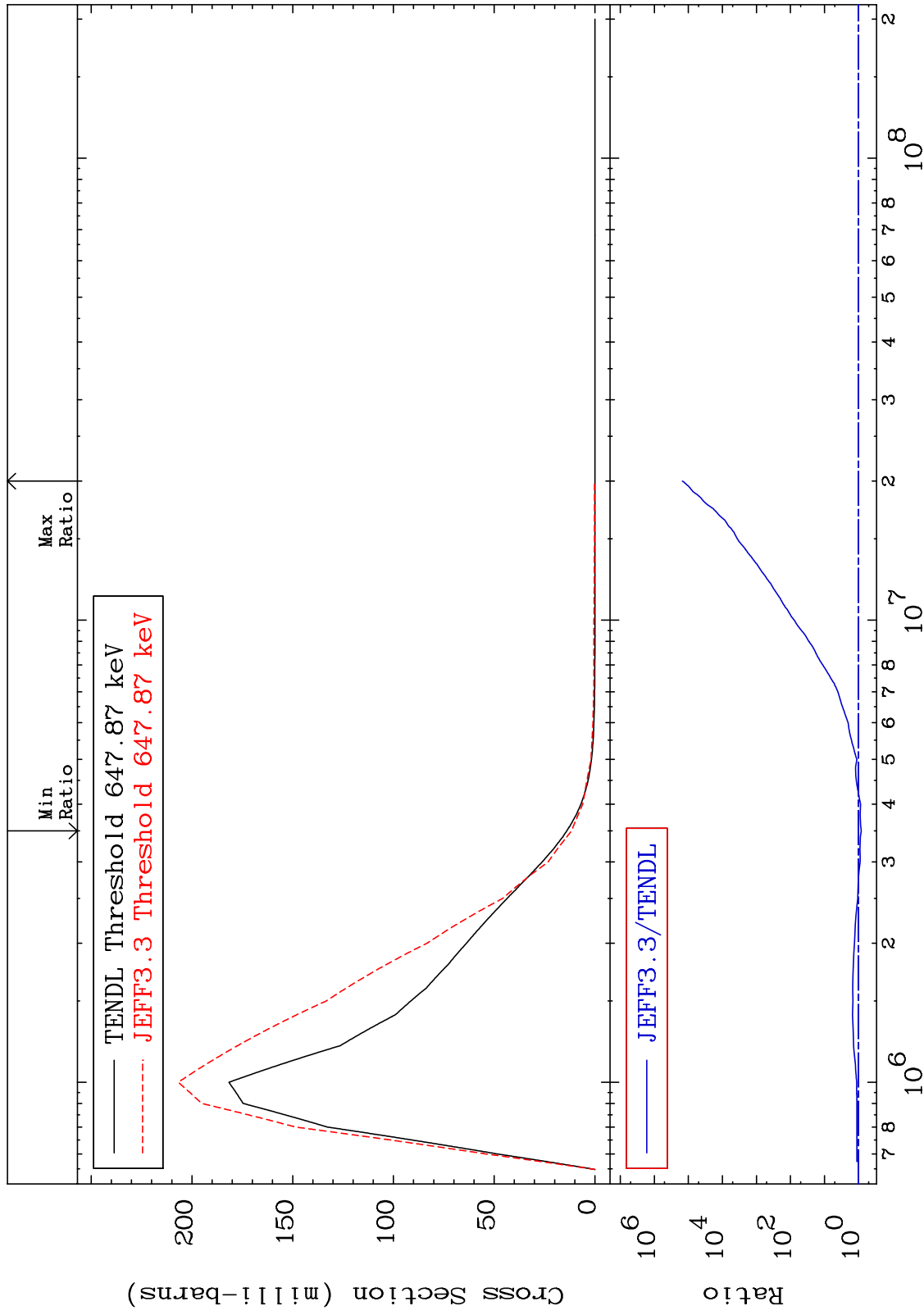
MAT 4128 MT= 61 (n,n') Level Cross Section -61.17 To 27.72 % 41-Nb-94



MAT 4128

MT= 62 (n,n') Level
Cross Section

41-Nb-94
-17.18 To 9999. %

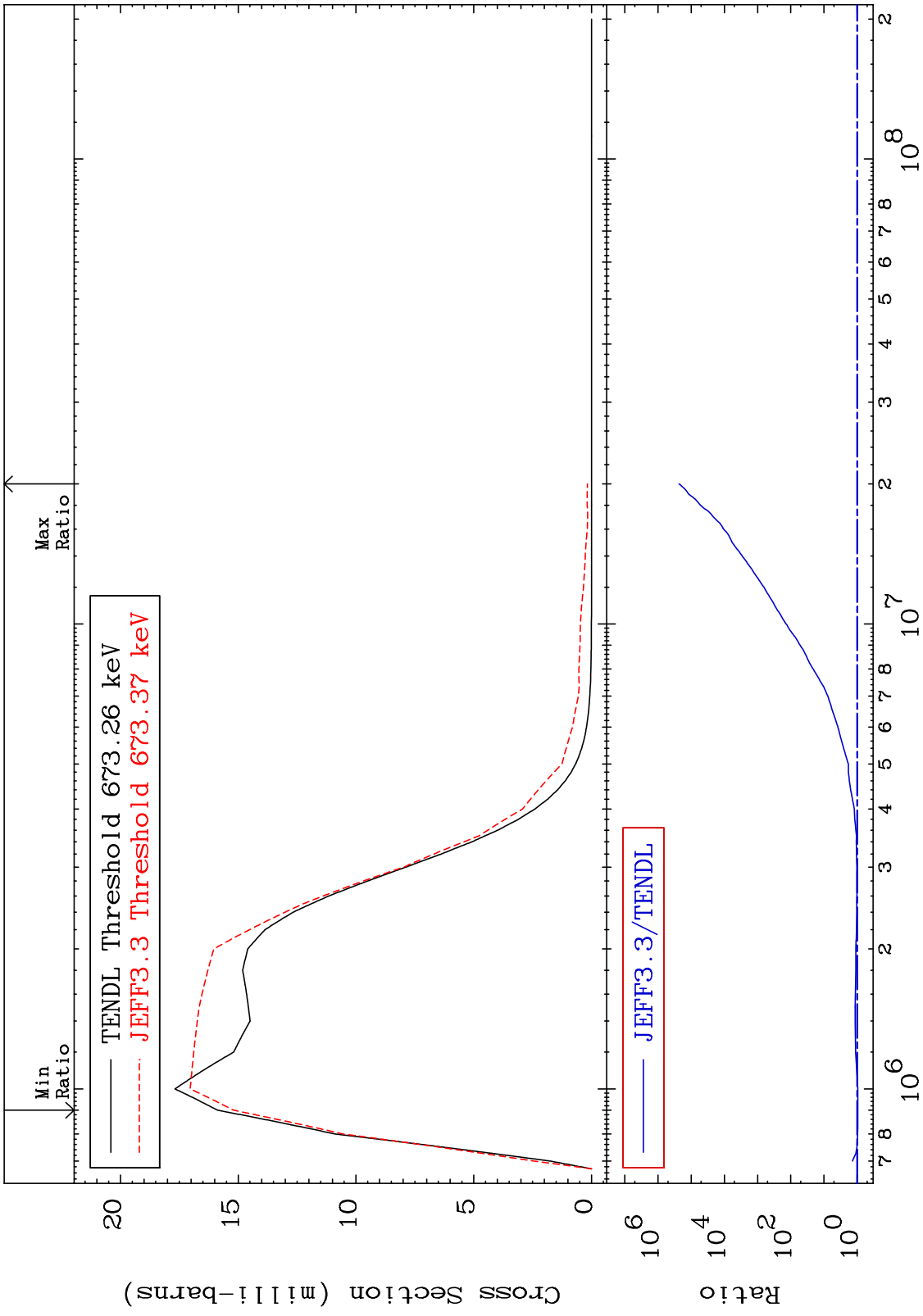


20

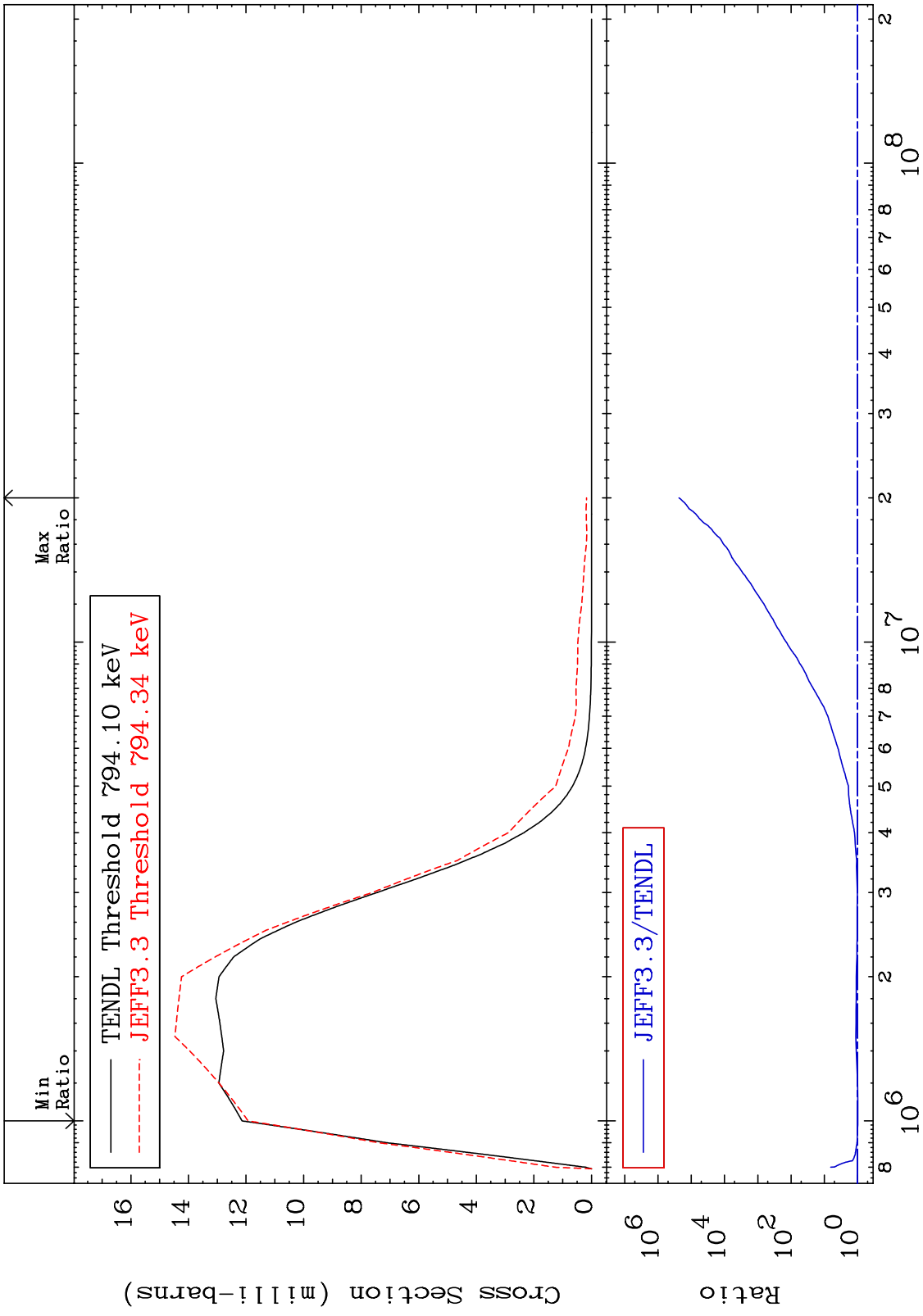
Incident Energy (eV)

41-Nb-94

MAT 4128 MT= 63 (n,n') Level Cross Section -4.270 To 9999. % 41-Nb-94

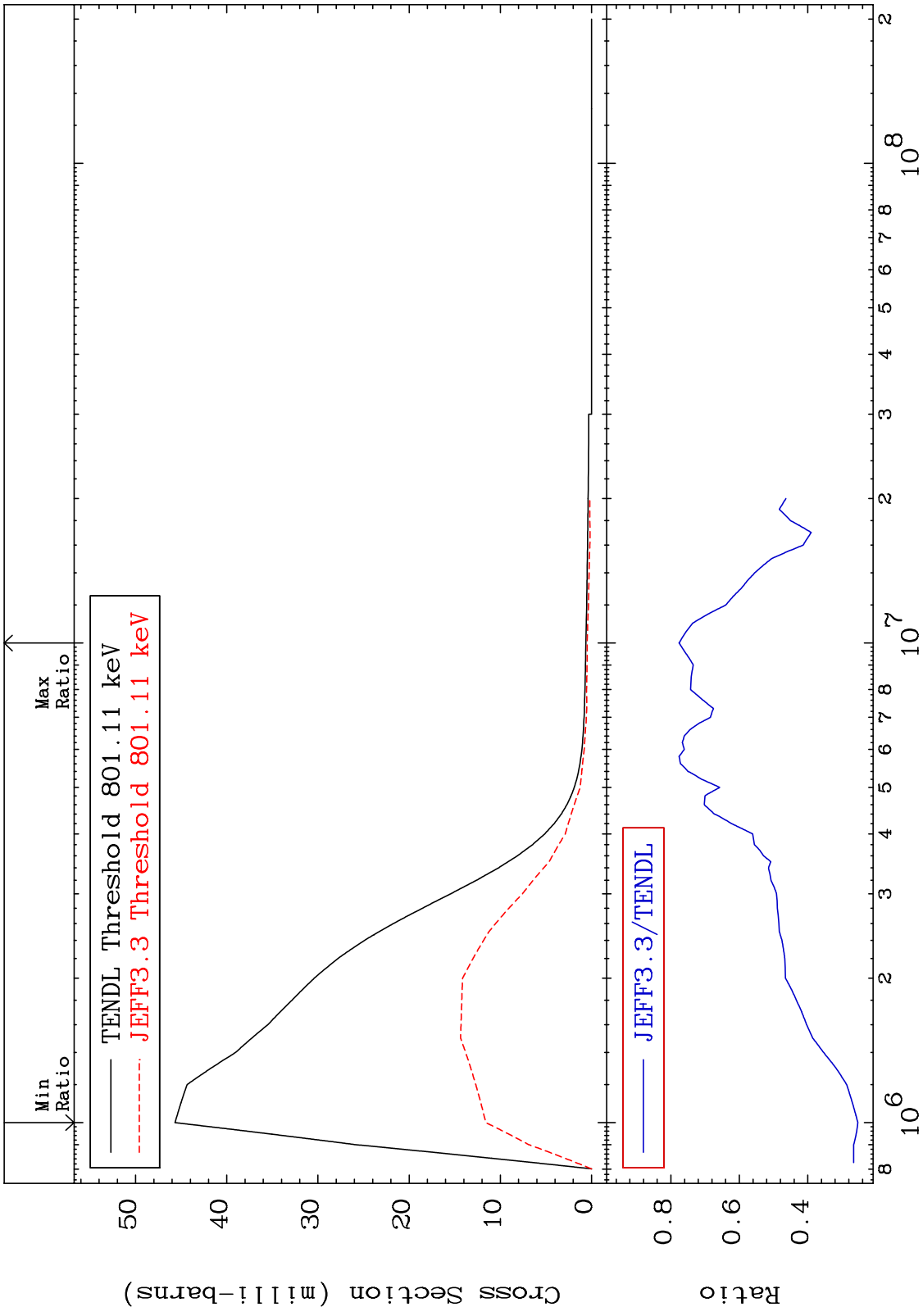


MAT 4128 MT= 64 (n,n') Level Cross Section -1.716 To 9999. % 41-Nb-94



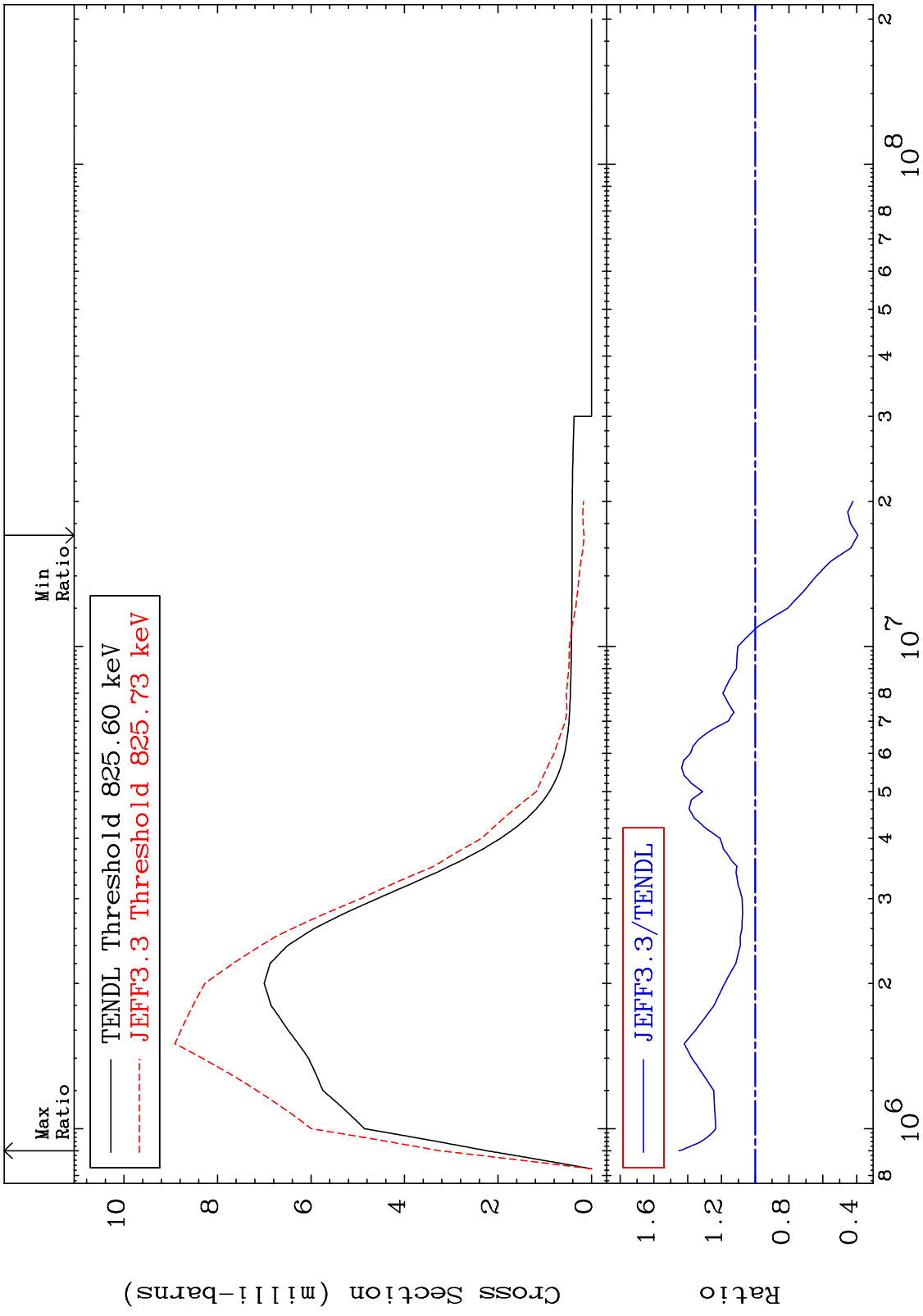
Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 65 (n,n') Level Cross Section -74.63 To -22.38% 41-Nb-94



23 41-Nb-94

MAT 4128 MT= 66 (n,n') Level Cross Section -60.73 To 45.09 % 41-Nb-94

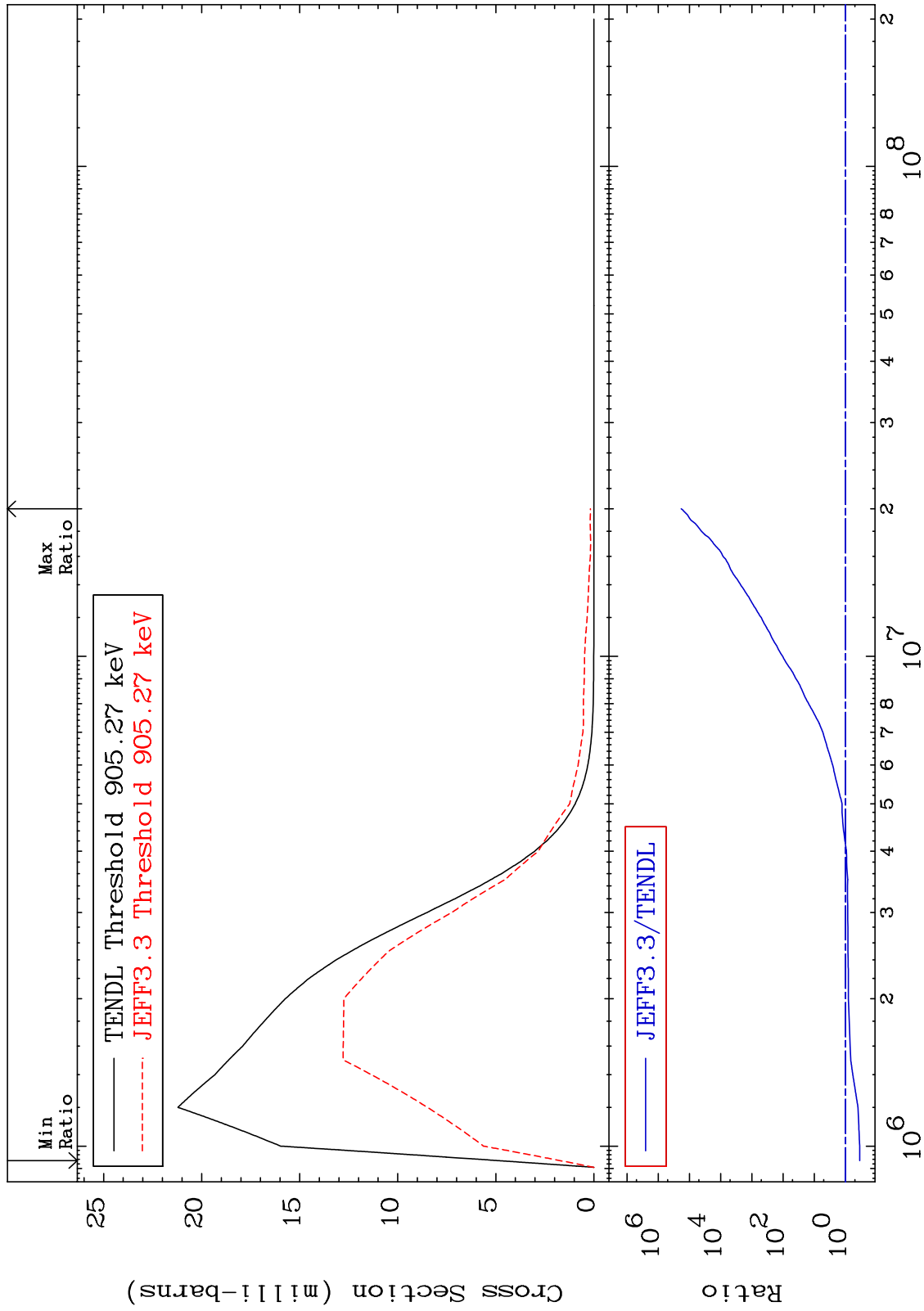


24 41-Nb-94

MAT 4128

MT= 67 (n,n') Level
Cross Section

41-Nb-94
-64.76 To 9999. %

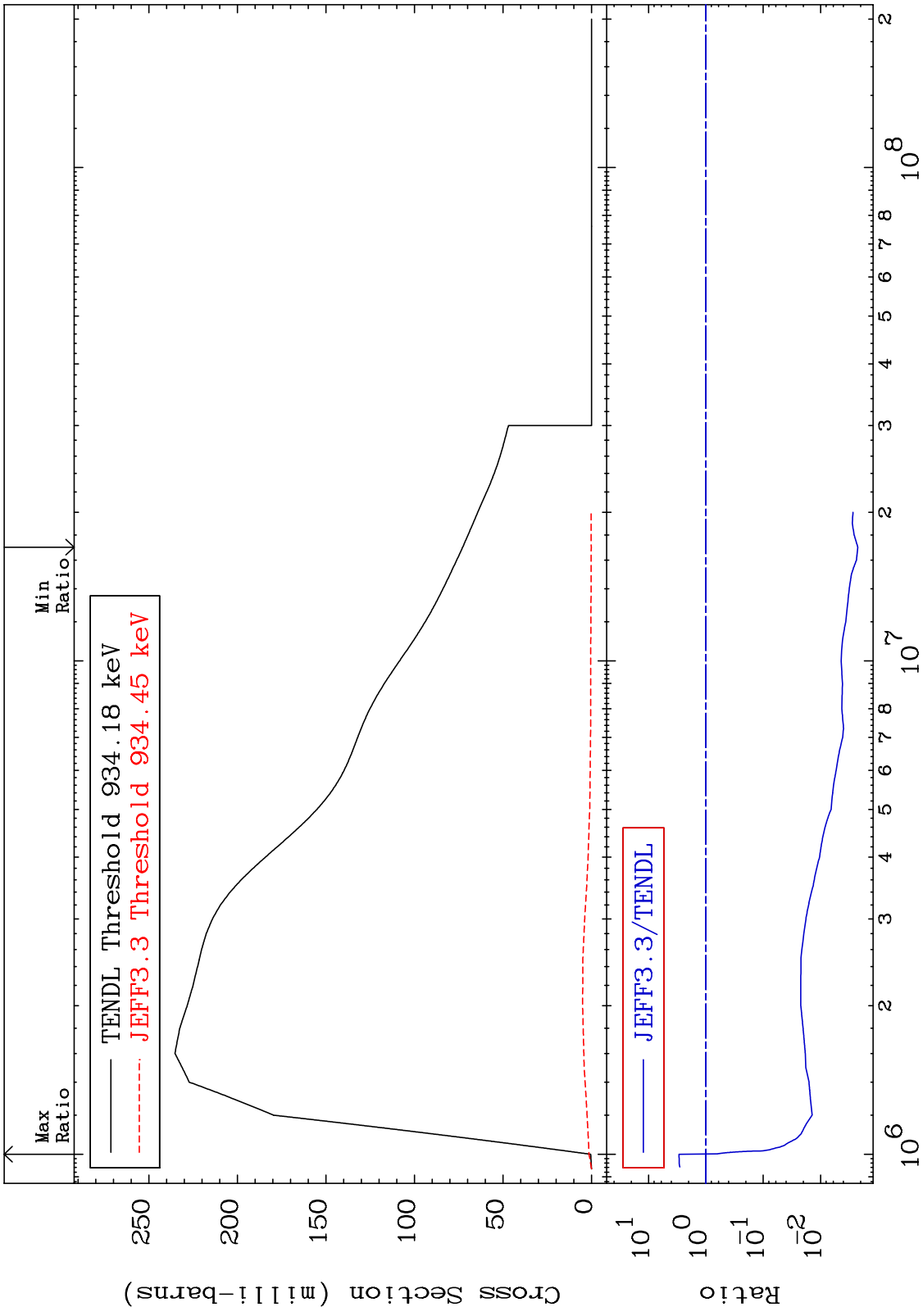


25

Incident Energy (eV)

41-Nb-94

MAT 4128 MT= 68 (n,n') Level Cross Section 41-Nb-94 -99.78 To 193.9 %

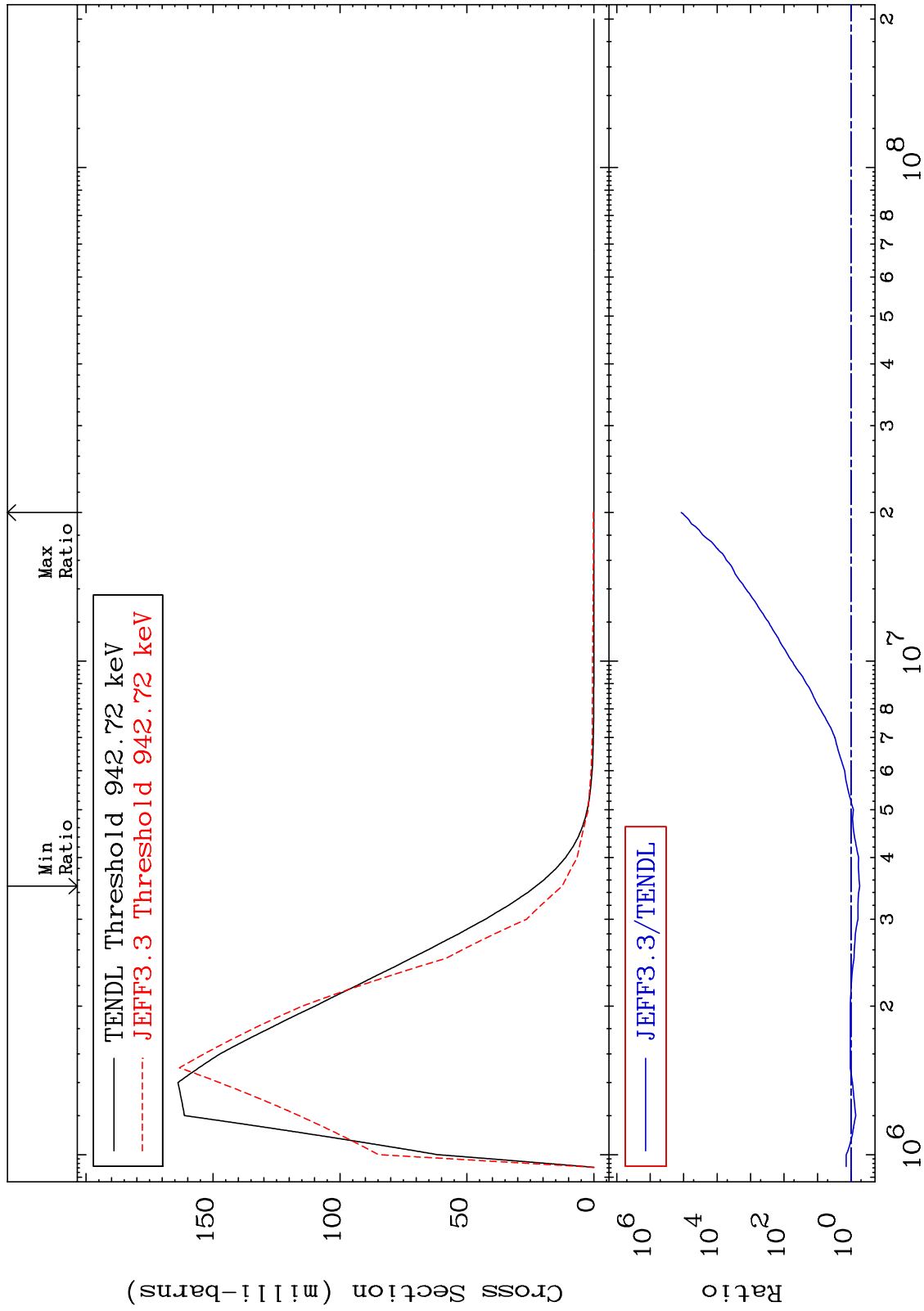


26 41-Nb-94

MAT 4128

MT= 69 (n,n') Level
Cross Section

41-Nb-94
-45.45 To 9999. %

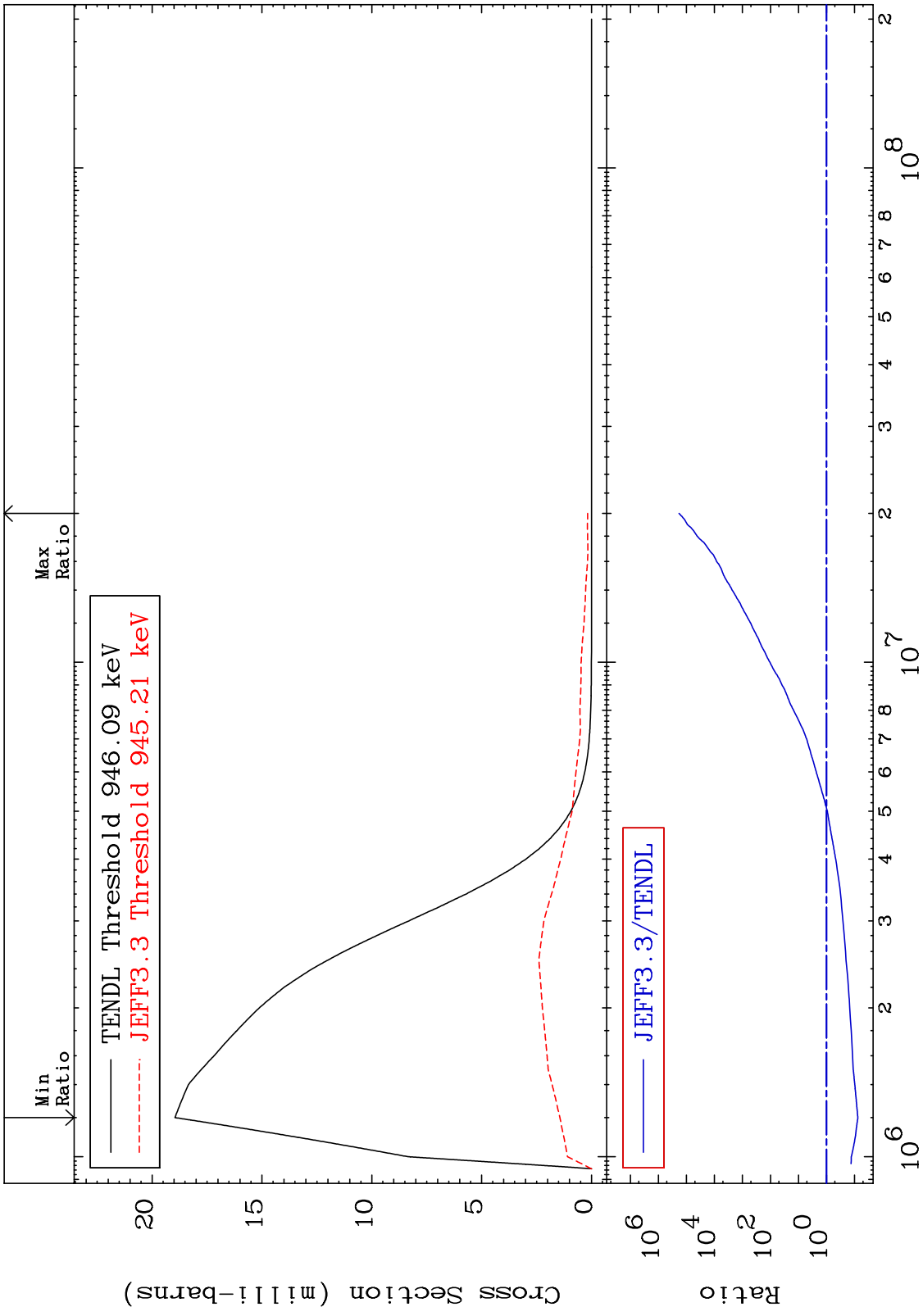


27

Incident Energy (eV)

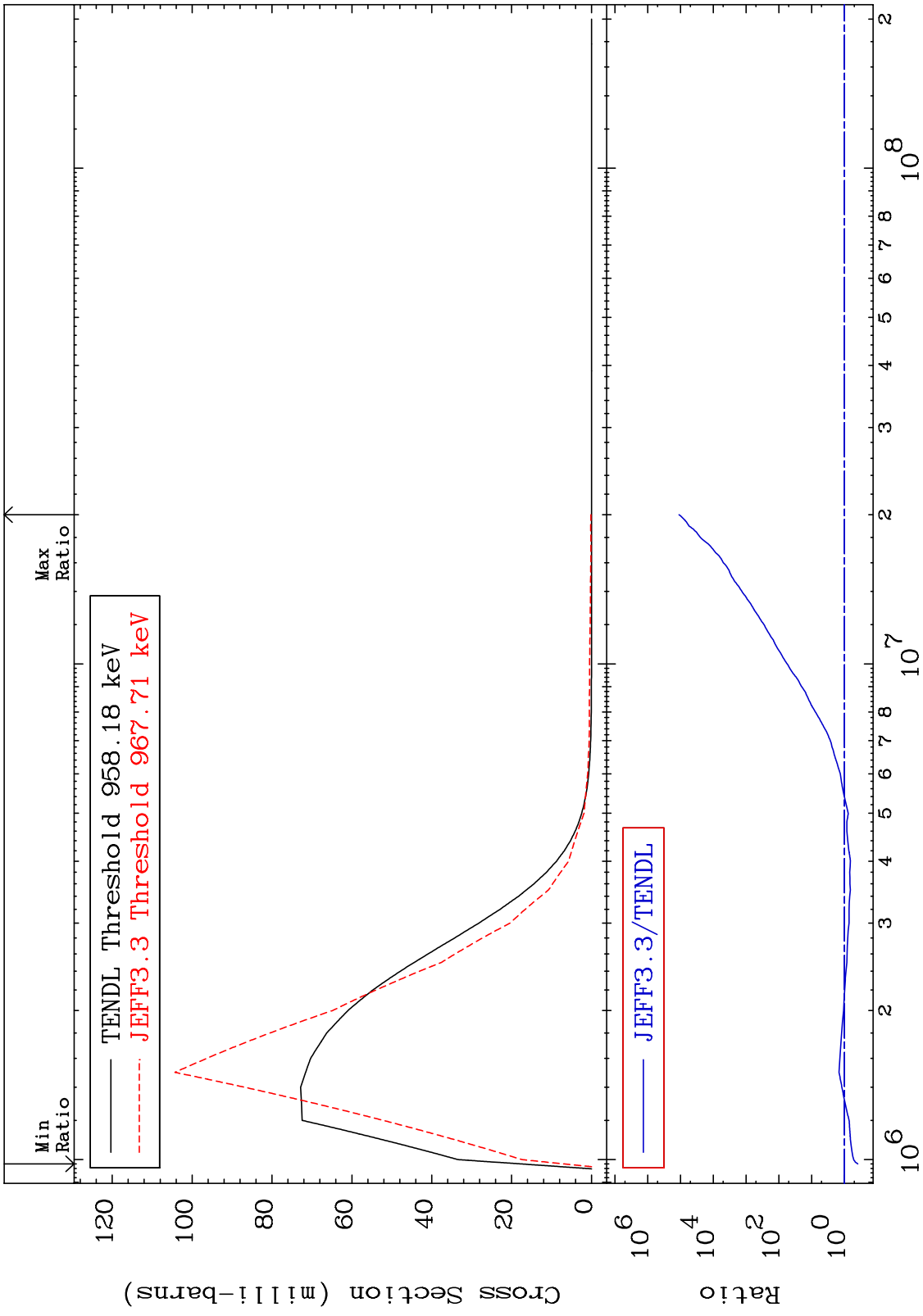
41-Nb-94

MAT 4128 MT= 70 (n,n') Level Cross Section 41-Nb-94
 -92.39 To 9999. %



28 41-Nb-94

MAT 4128 MT= 71 (n,n') Level Cross Section 41-Nb-94
 -61.02 To 9999. %

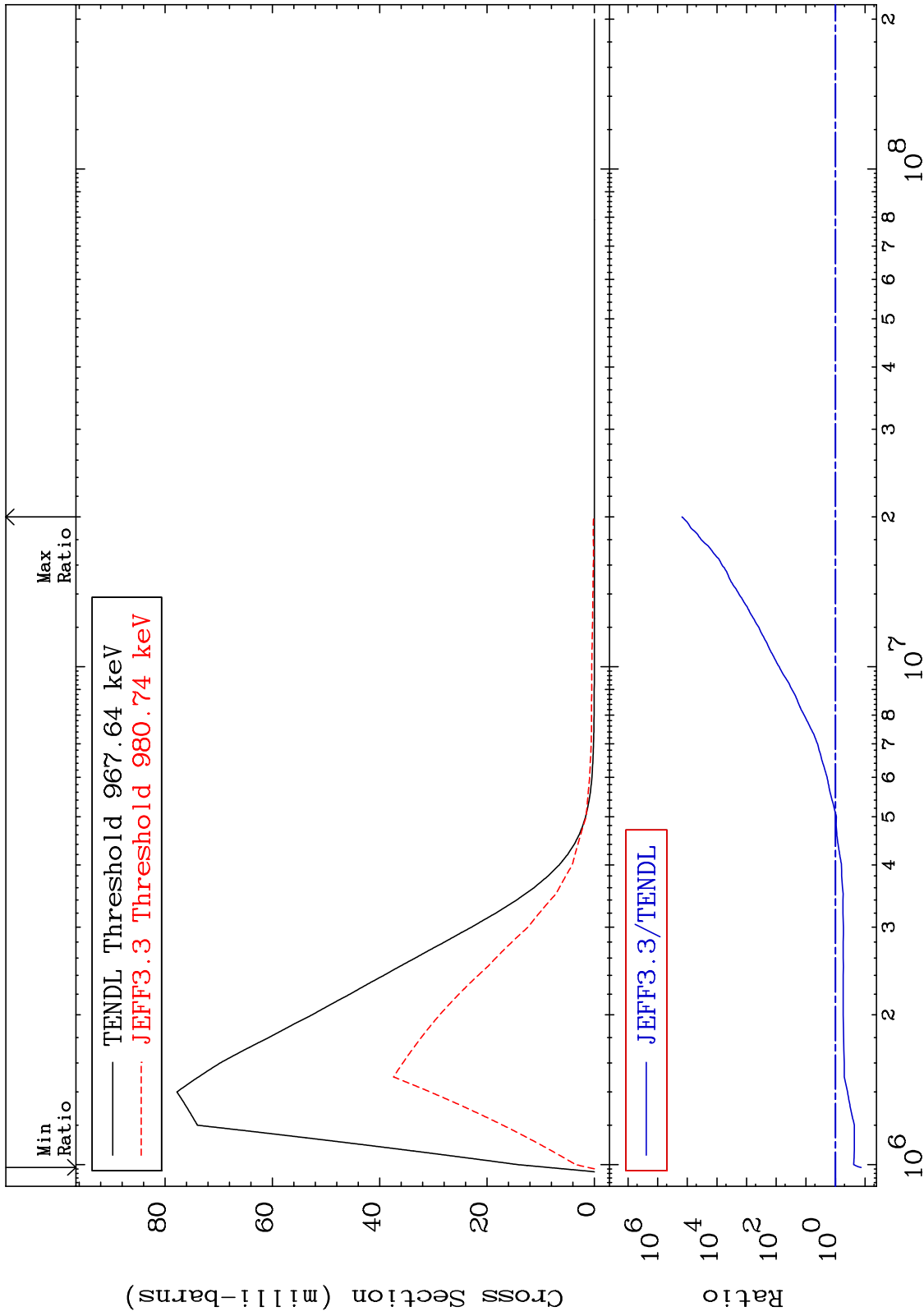


29 41-Nb-94

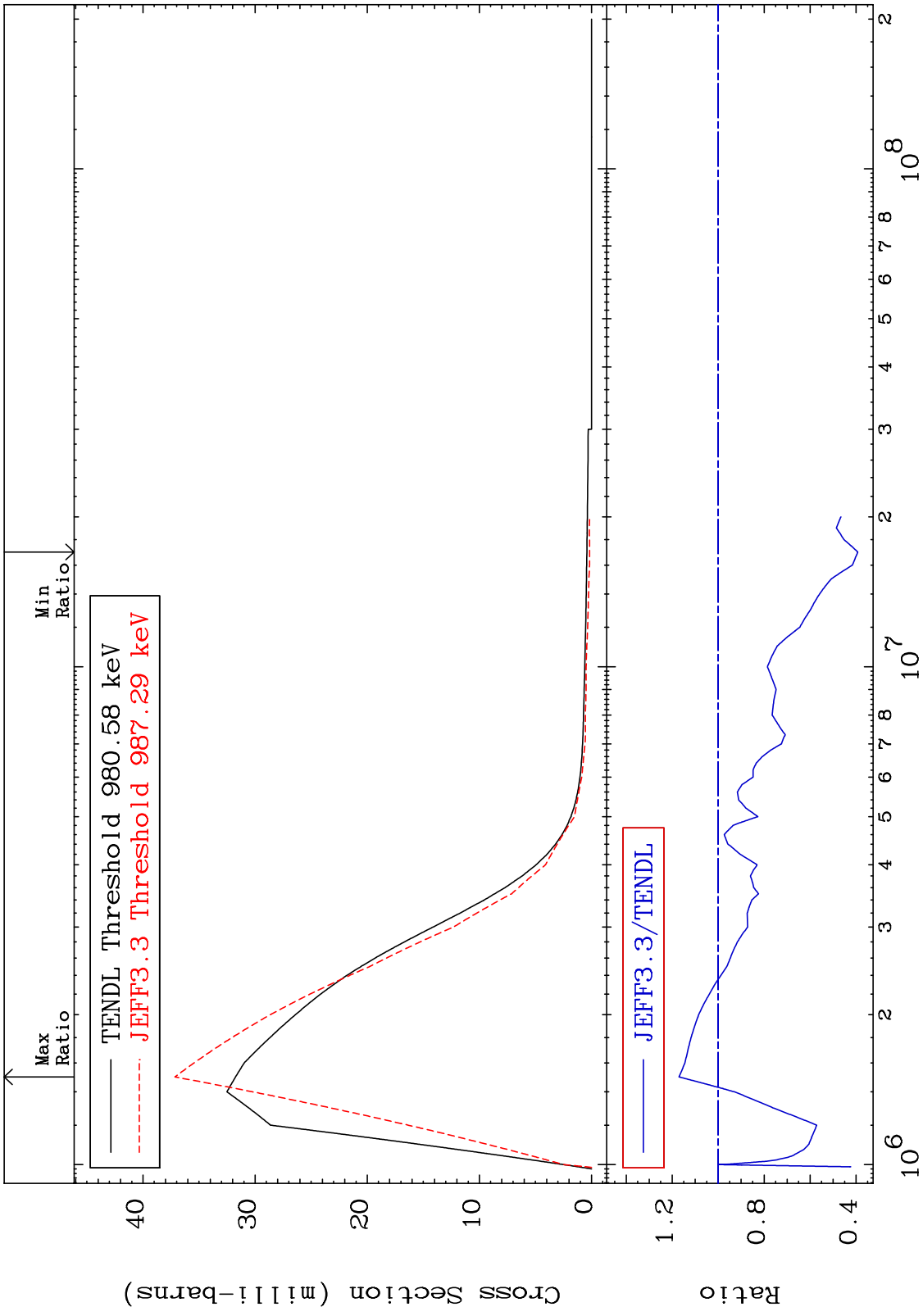
MAT 4128

MT= 72 (n,n') Level
Cross Section

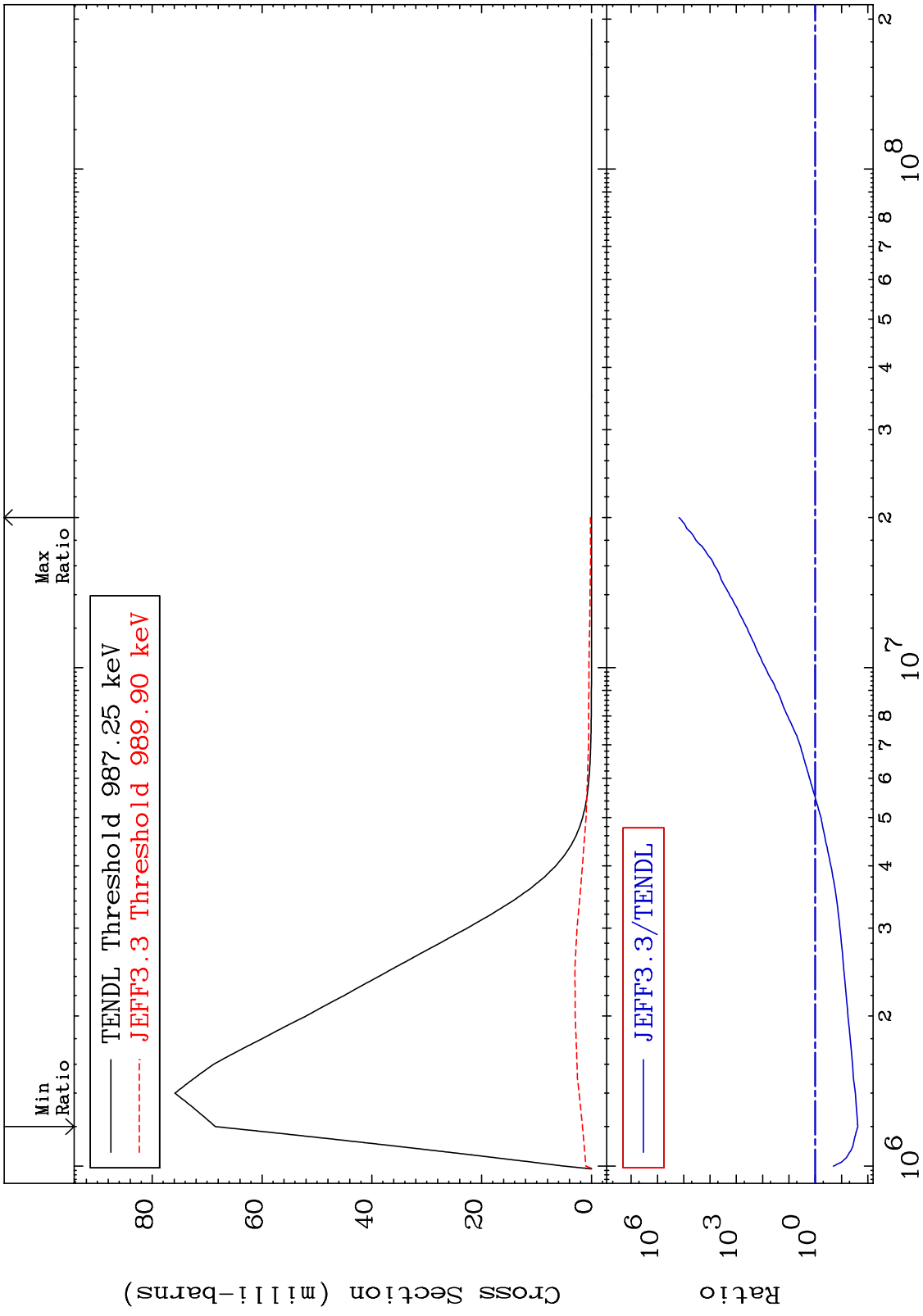
41-Nb-94
-86.36 To 9999. %



MAT 4128 MT= 73 (n,n') Level Cross Section 41-Nb-94 -60.76 To 17.03 %

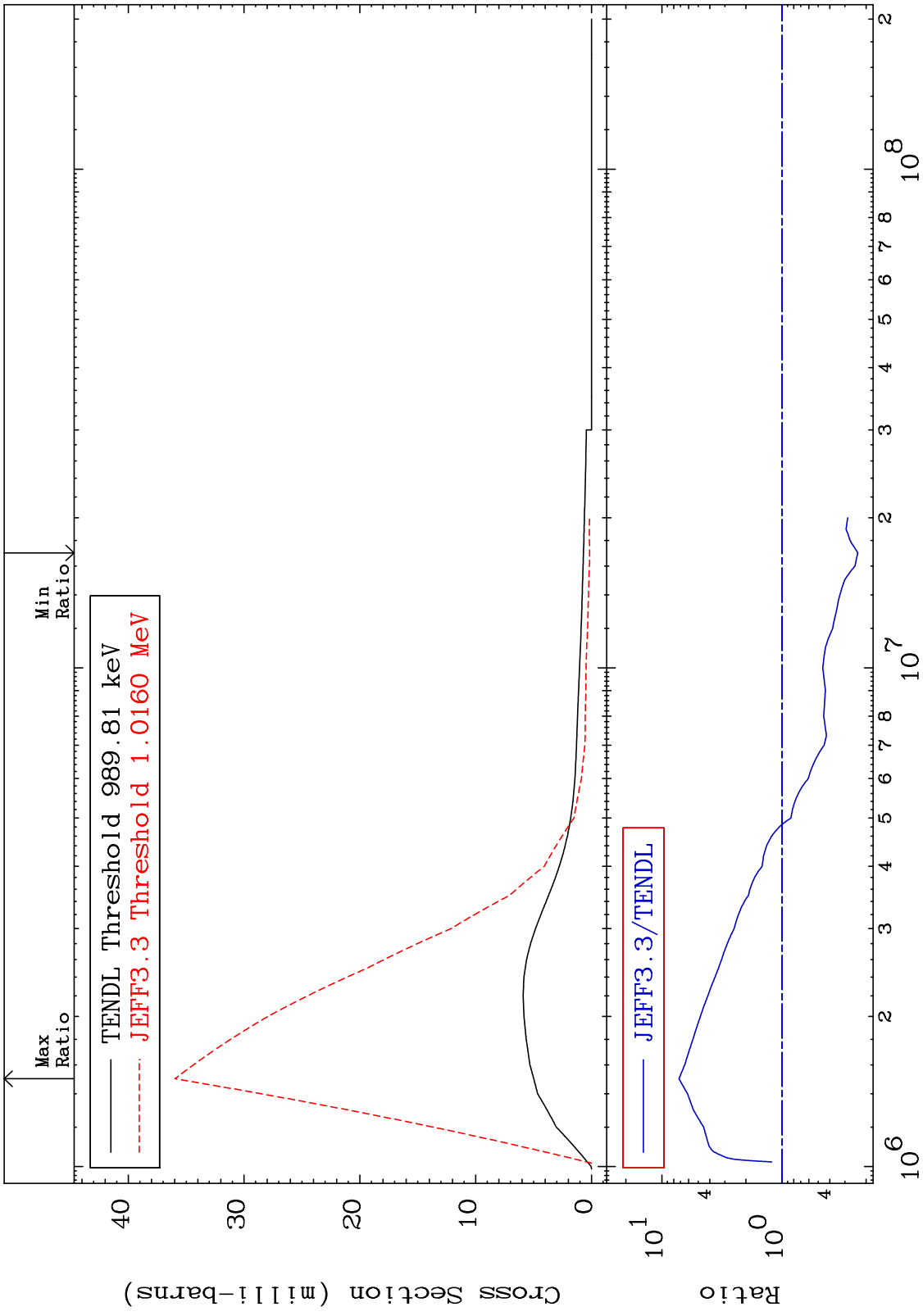


MAT 4128 MT= 74 (n,n') Level Cross Section -97.59 To 9999. % 41-Nb-94

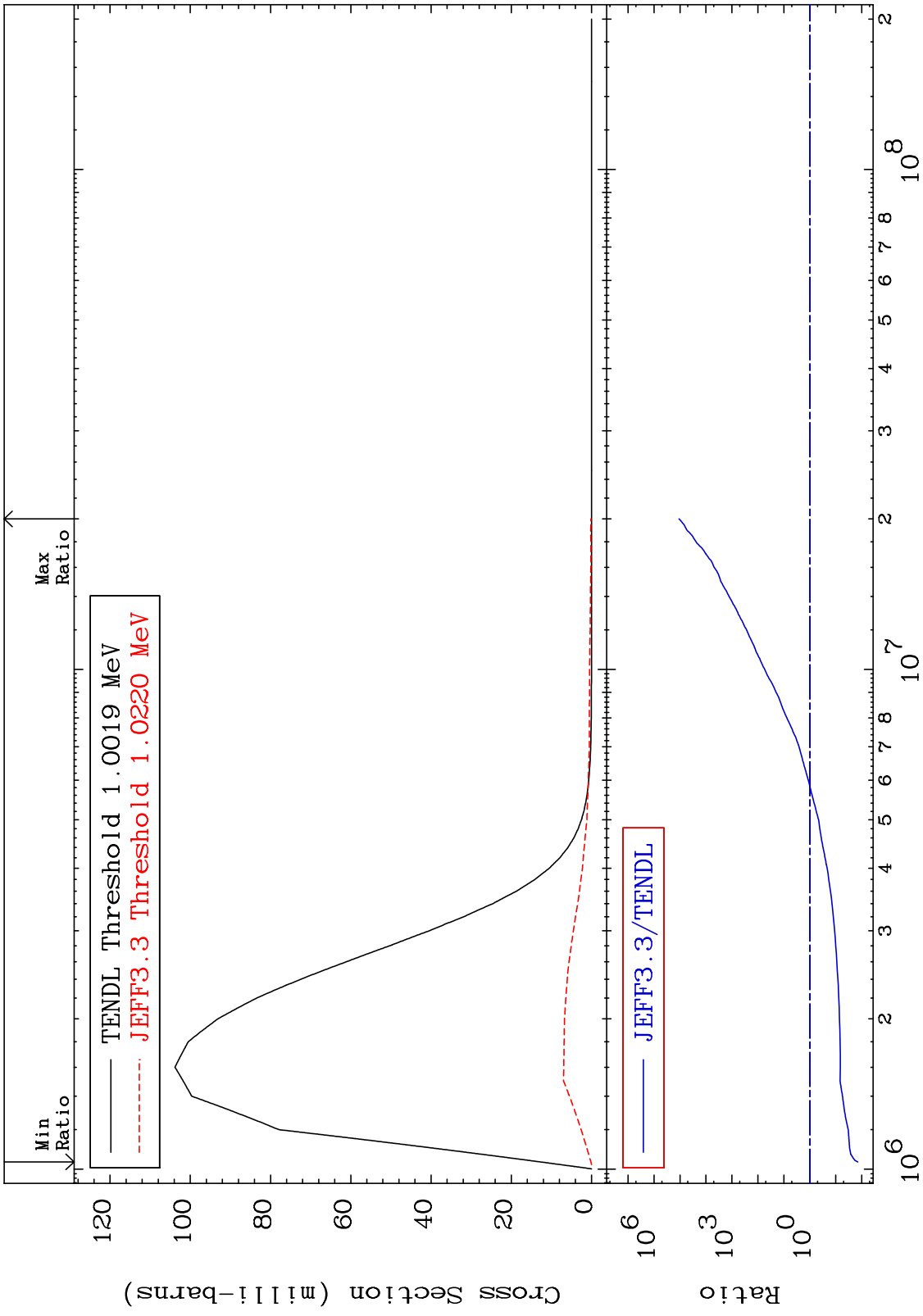


32 41-Nb-94

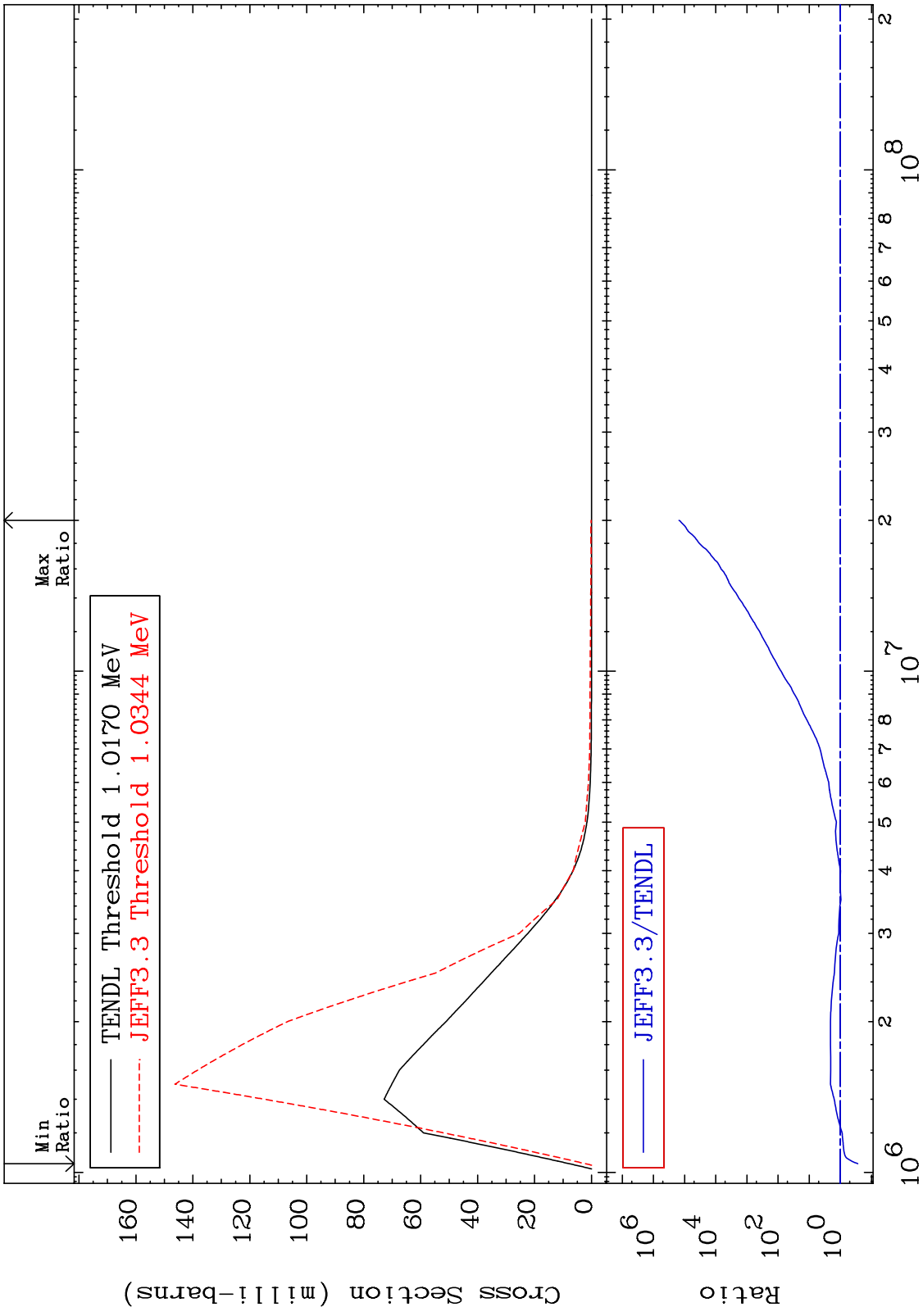
MAT 4128 MT= 75 (n,n') Level Cross Section -76.61 To 621.1 % 41-Nb-94



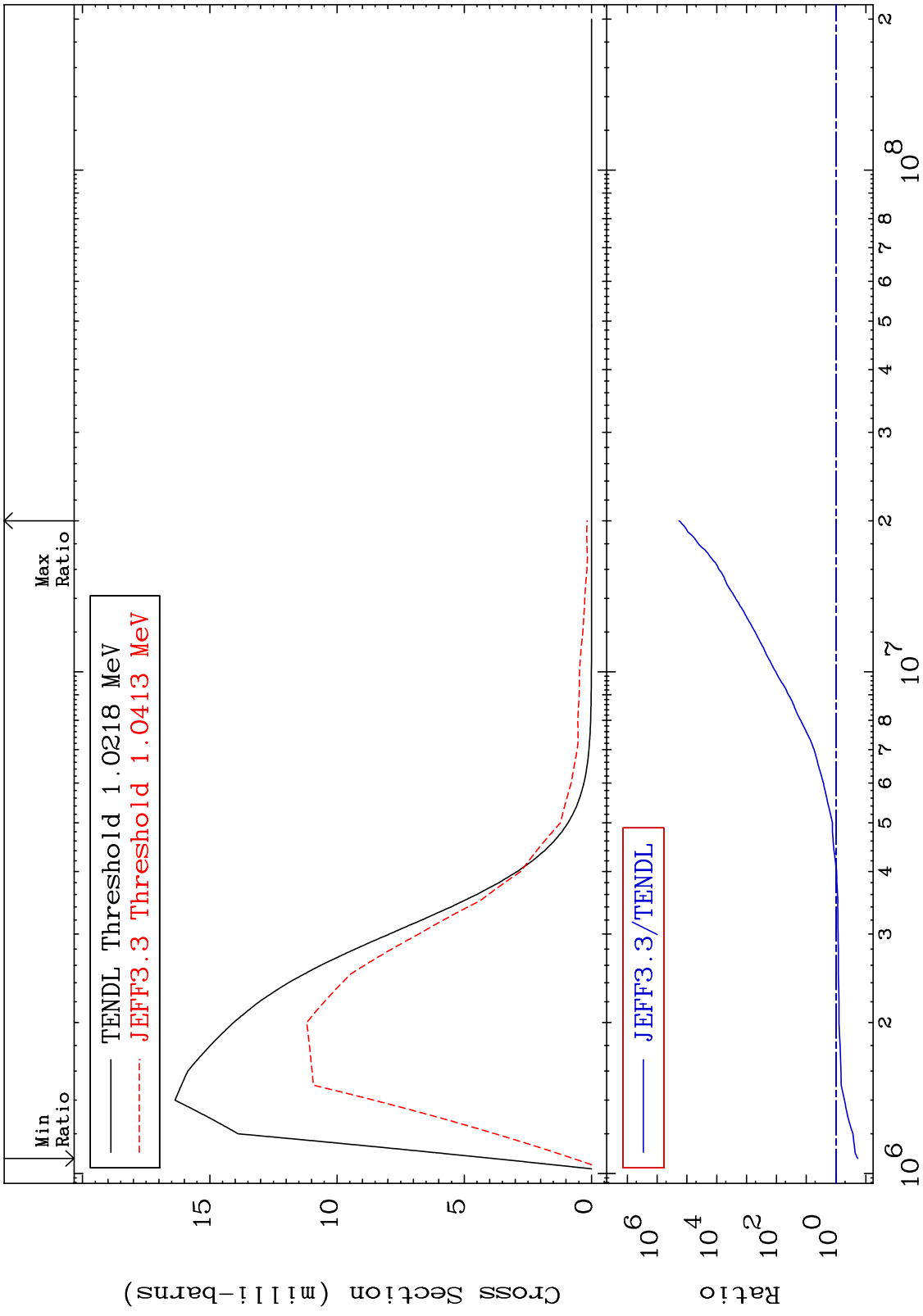
MAT 4128 MT= 76 (n,n') Level Cross Section 41-Nb-94 -98.58 To 9999. %



MAT 4128 MT= 77 (n,n') Level Cross Section -72.48 To 9999. % 41-Nb-94

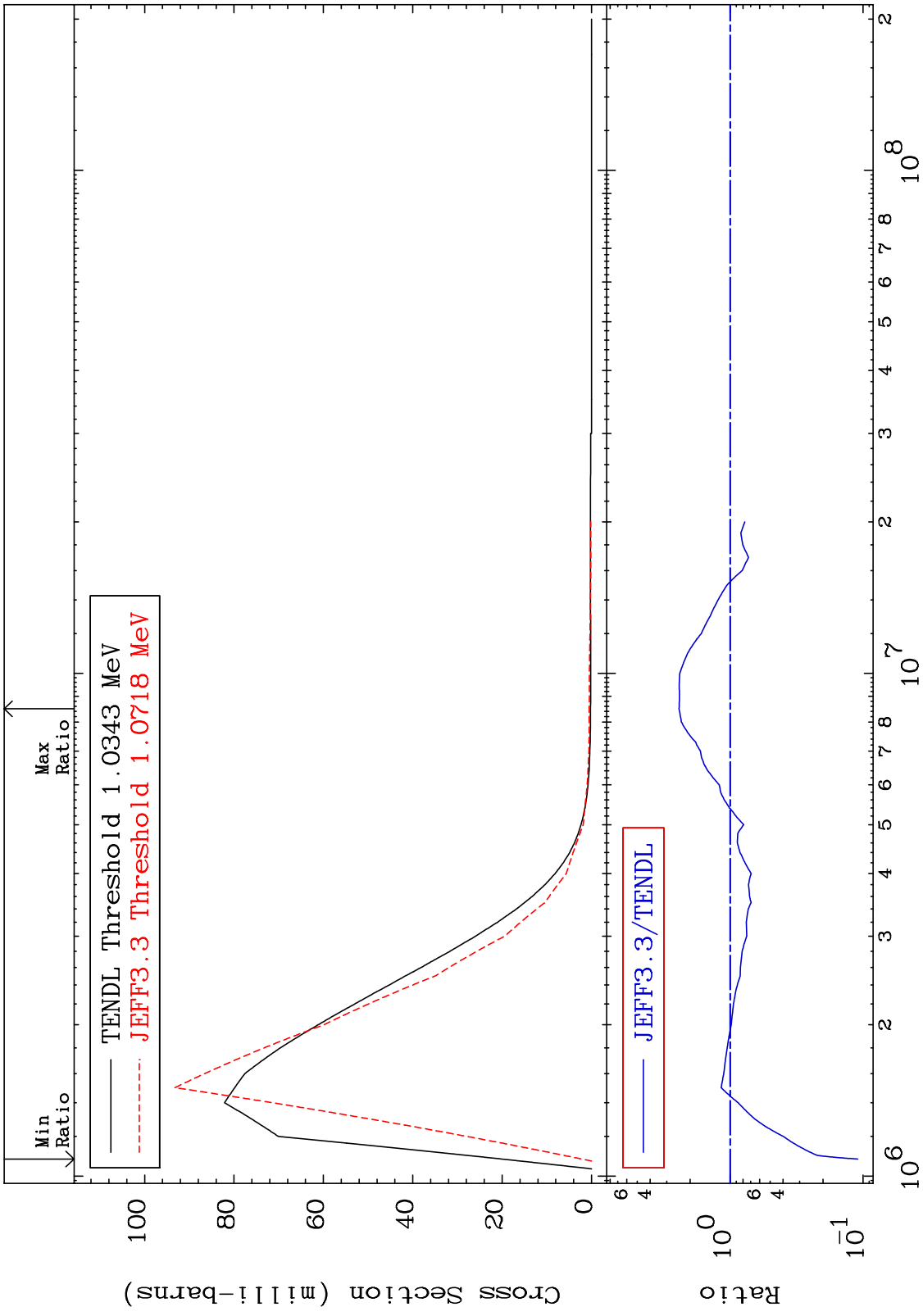


MAT 4128 MT= 78 (n,n') Level Cross Section 41-Nb-94
 -81.34 To 9999. %



36 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 79 (n,n') Level Cross Section 41-Nb-94
 -89.06 To 142.1 %

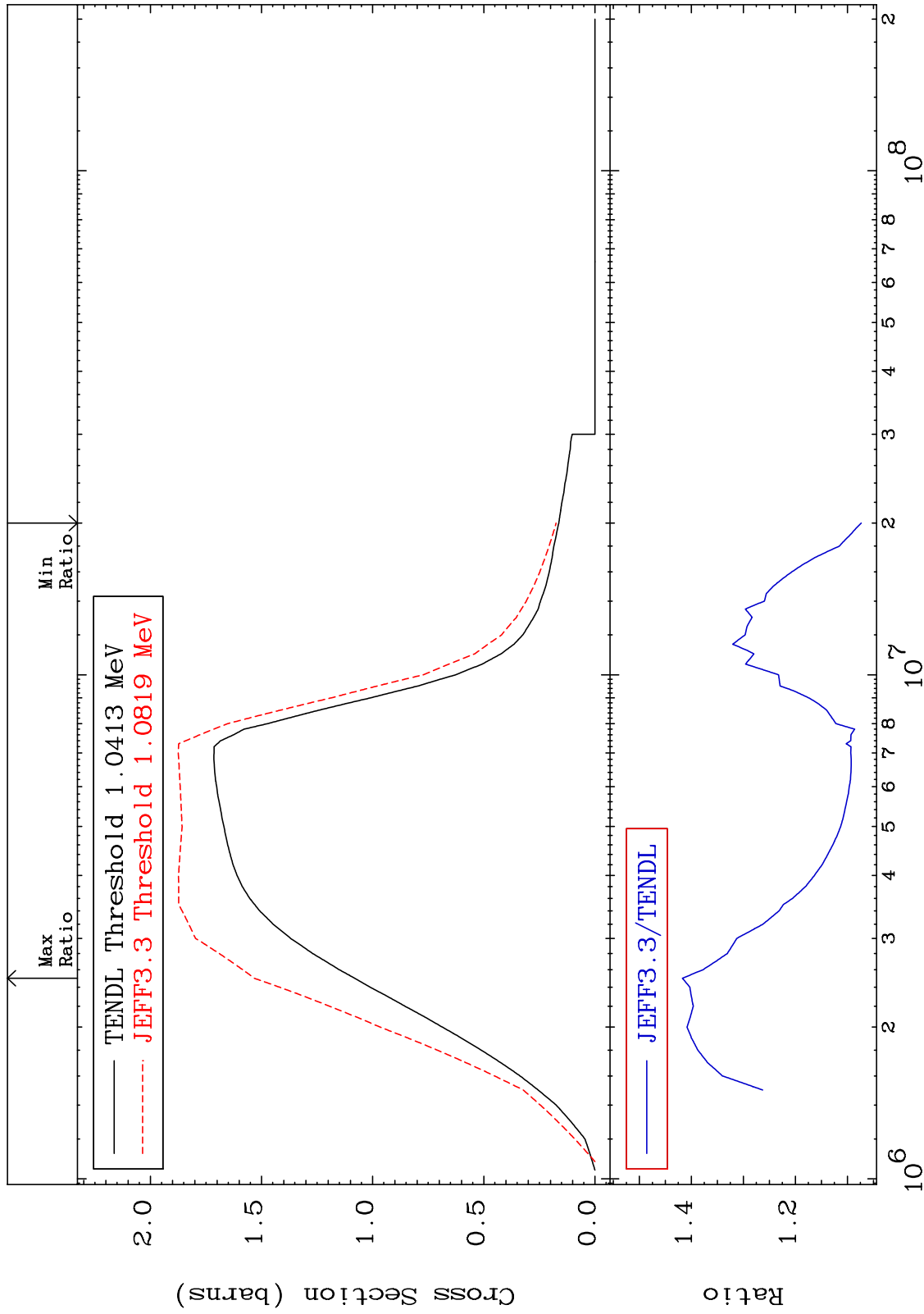


37 41-Nb-94

MAT 4128

(n, n') Continuum
Cross Section

41-Nb-94
7.335 To 41.71 %



38

Incident Energy (eV)

41-Nb-94

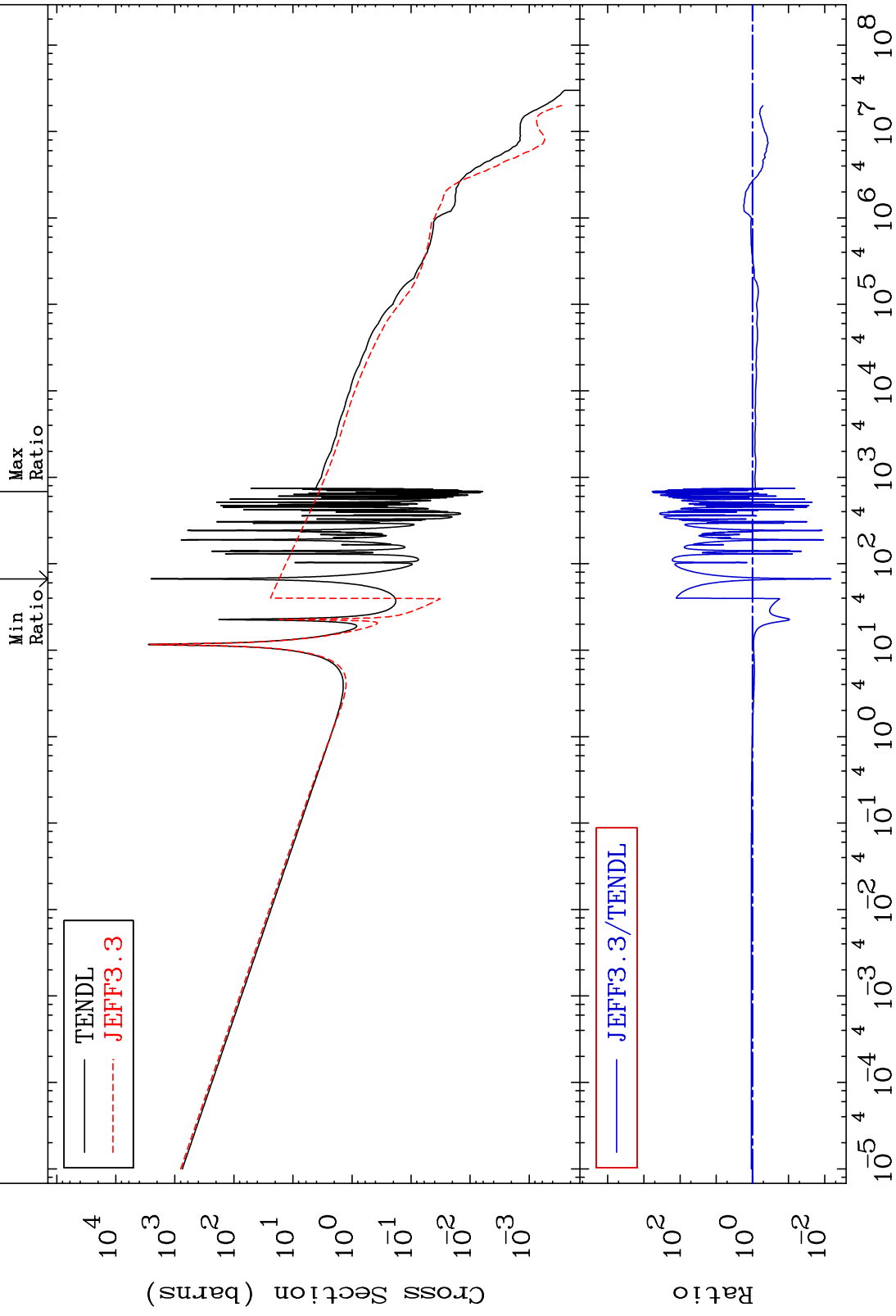
MAT 4128

41-Nb-94

-99.33 To 9999. %

(n, γ)

Cross Section



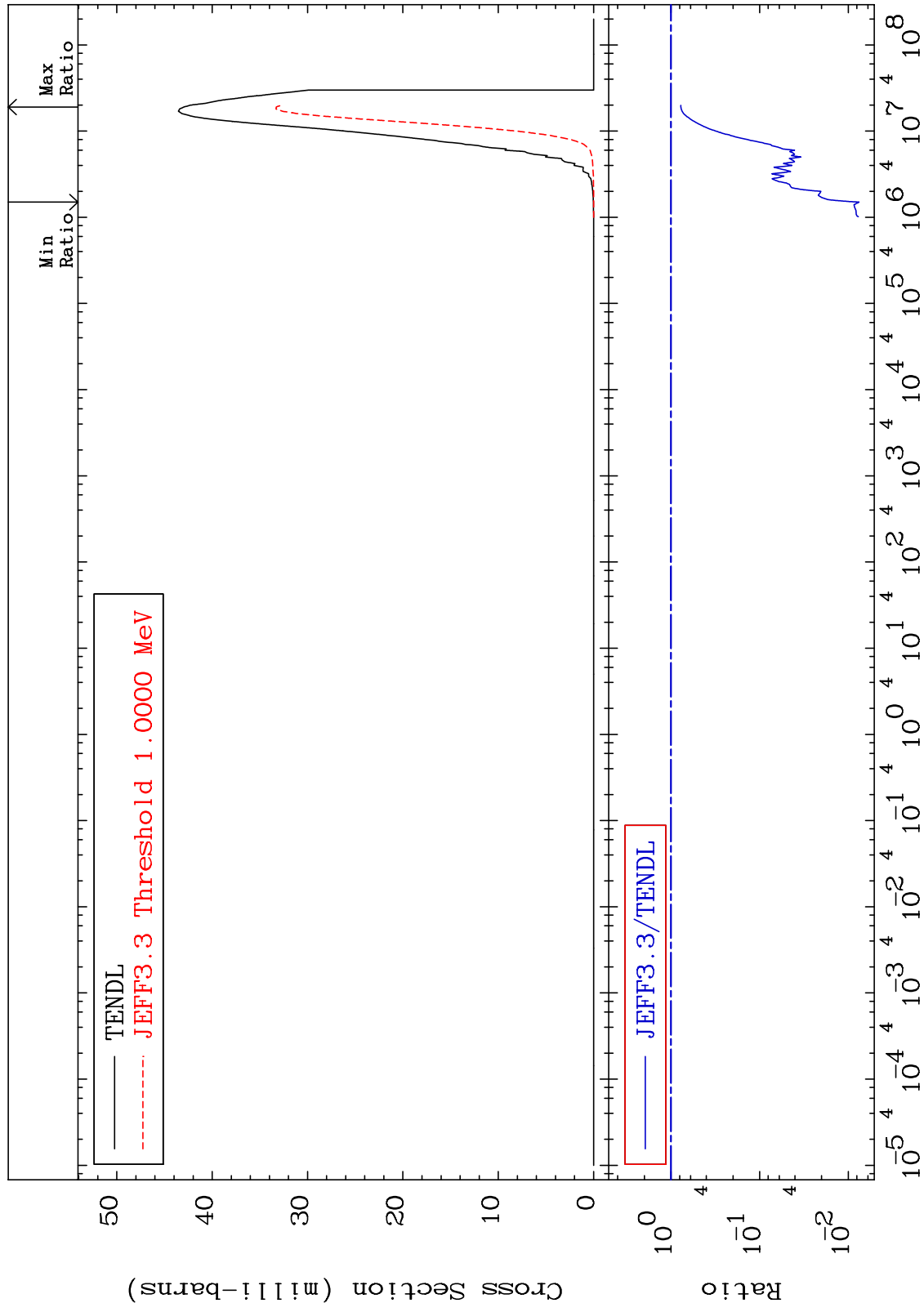
MAT 4128

(n,p)

41-Nb-94

Cross Section

-99.24 To -22.55%

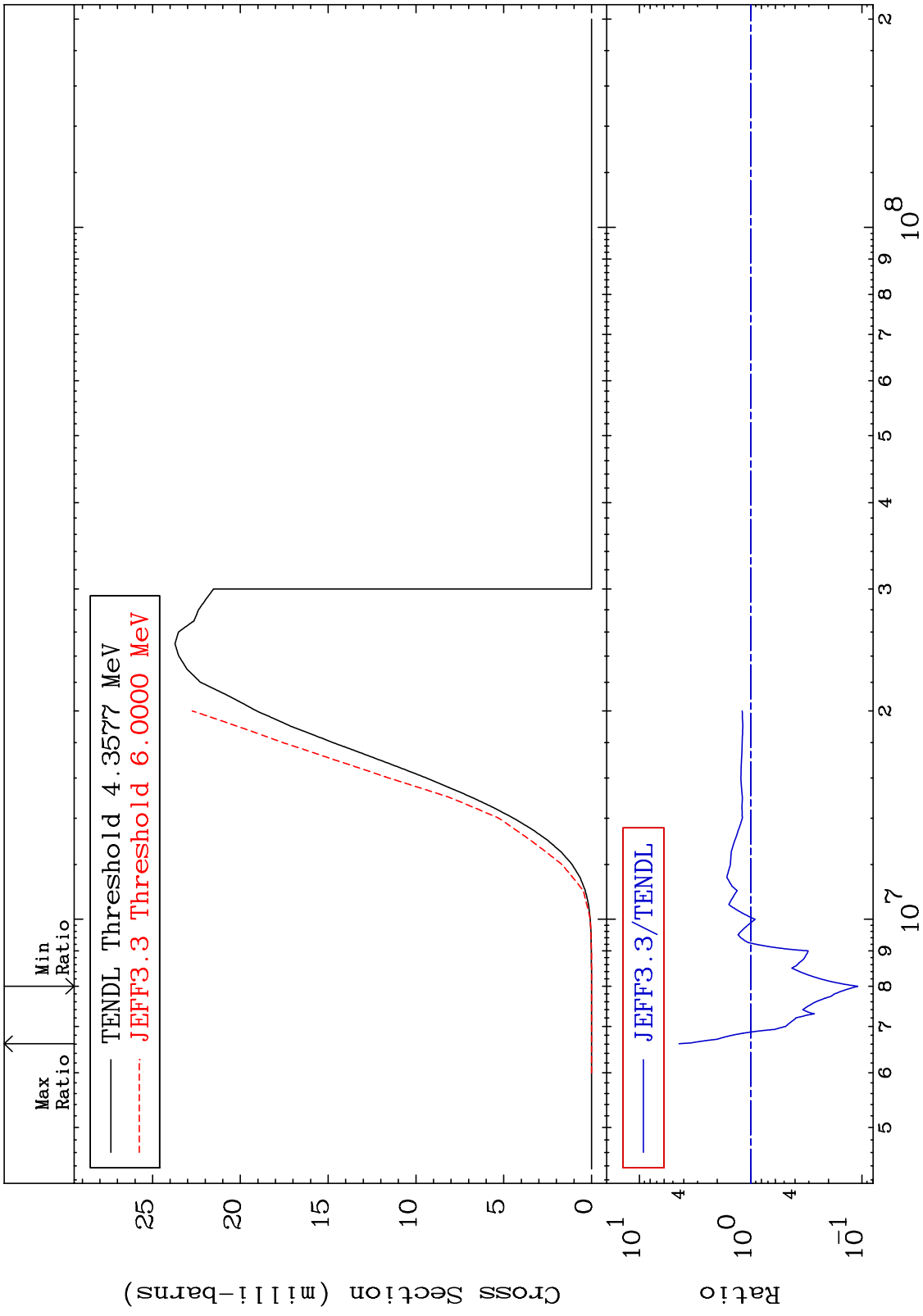


40

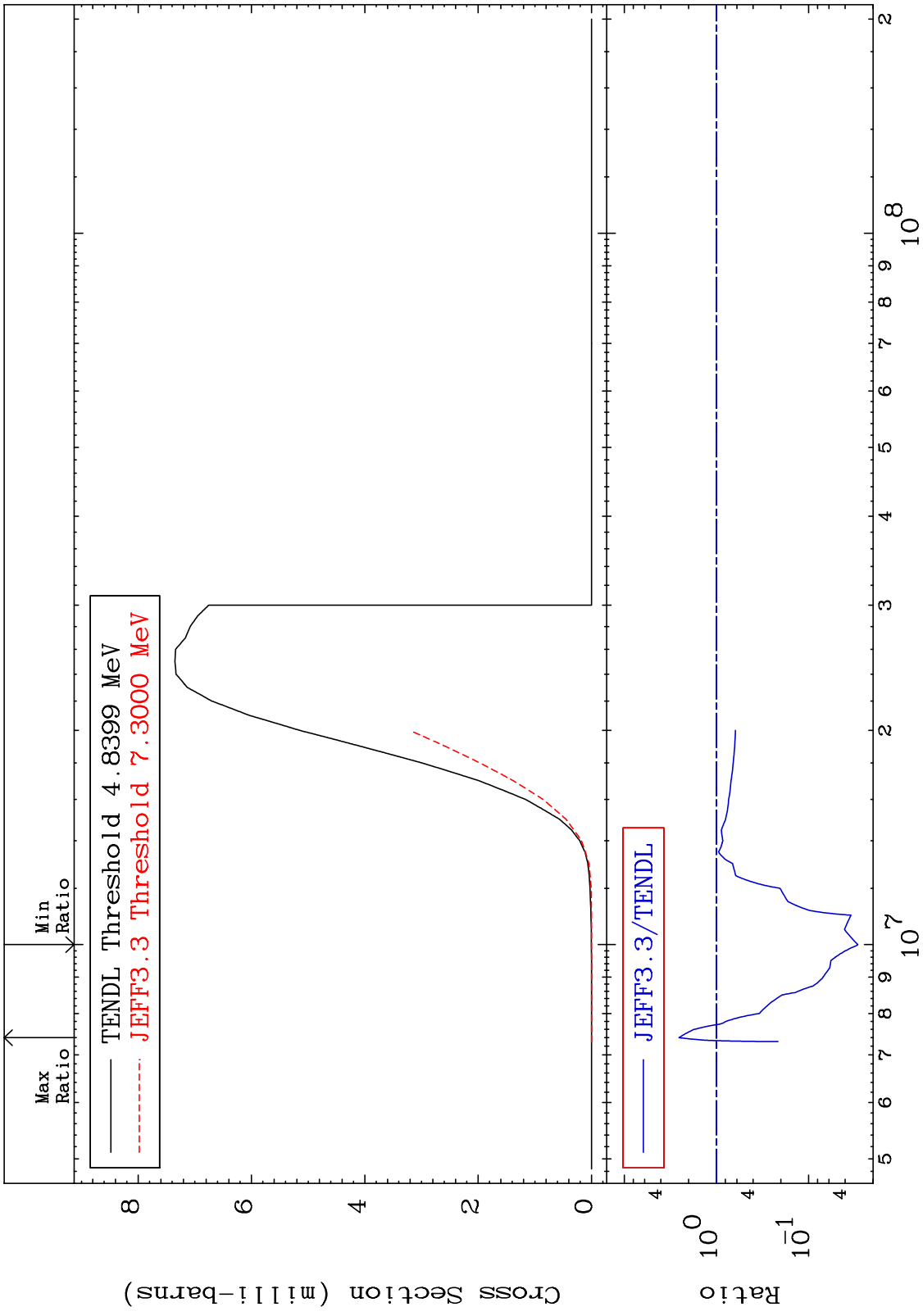
Incident Energy (eV)

41-Nb-94

MAT 4128 (n,d) Cross Section 41-Nb-94 -89.10 To 340.5 %



41 41-Nb-94



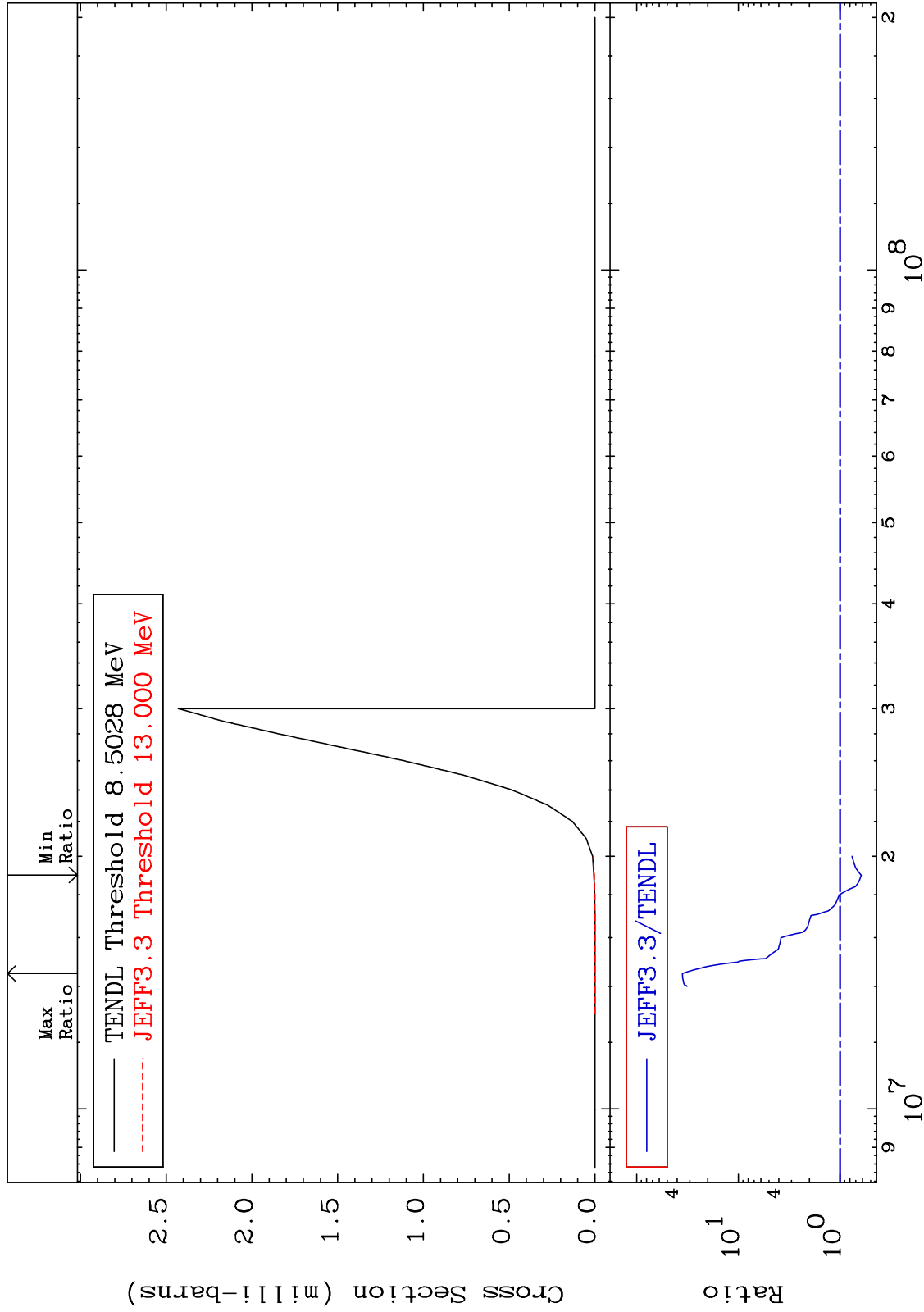
MAT 4128

(n, He-3)

41-Nb-94

Cross Section

-38.27 To 3449. %



43

Incident Energy (eV)

41-Nb-94

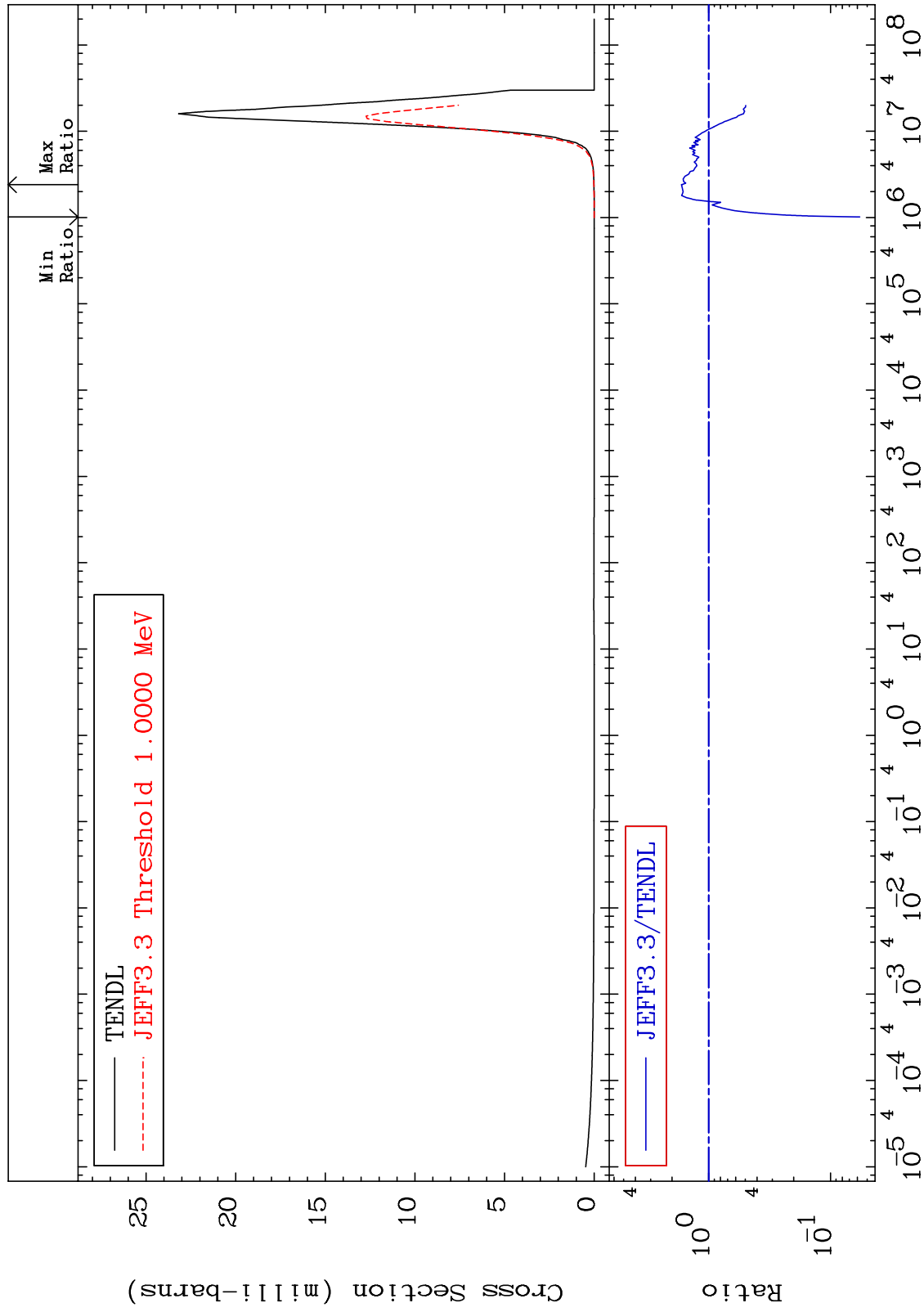
MAT 4128

(n, α)

41-Nb-94

Cross Section

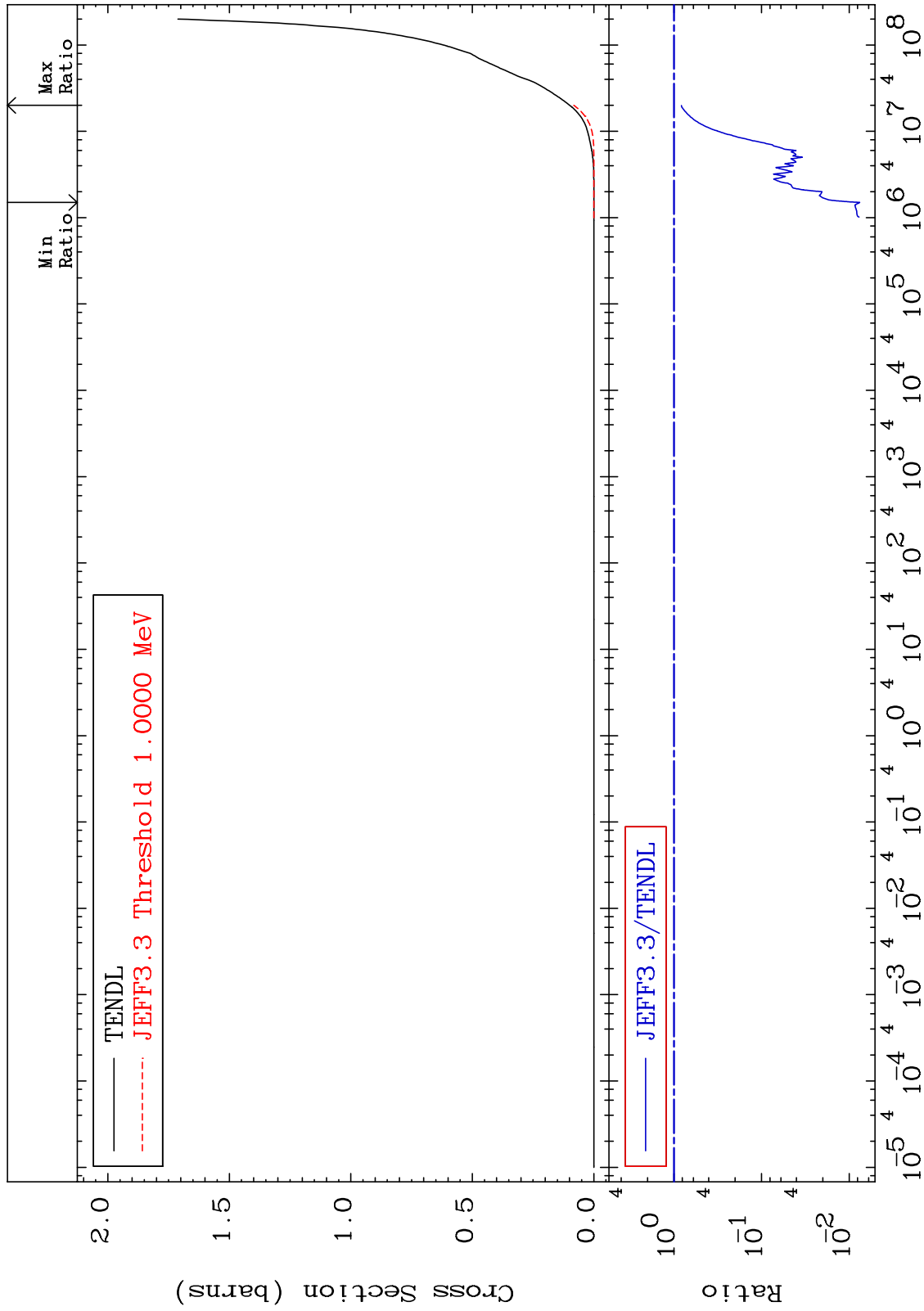
-94.26 To 67.47 %



MAT 4128

Hydrogen Production Cross Section

41-Nb-94
-99.24 To -17.60%



45

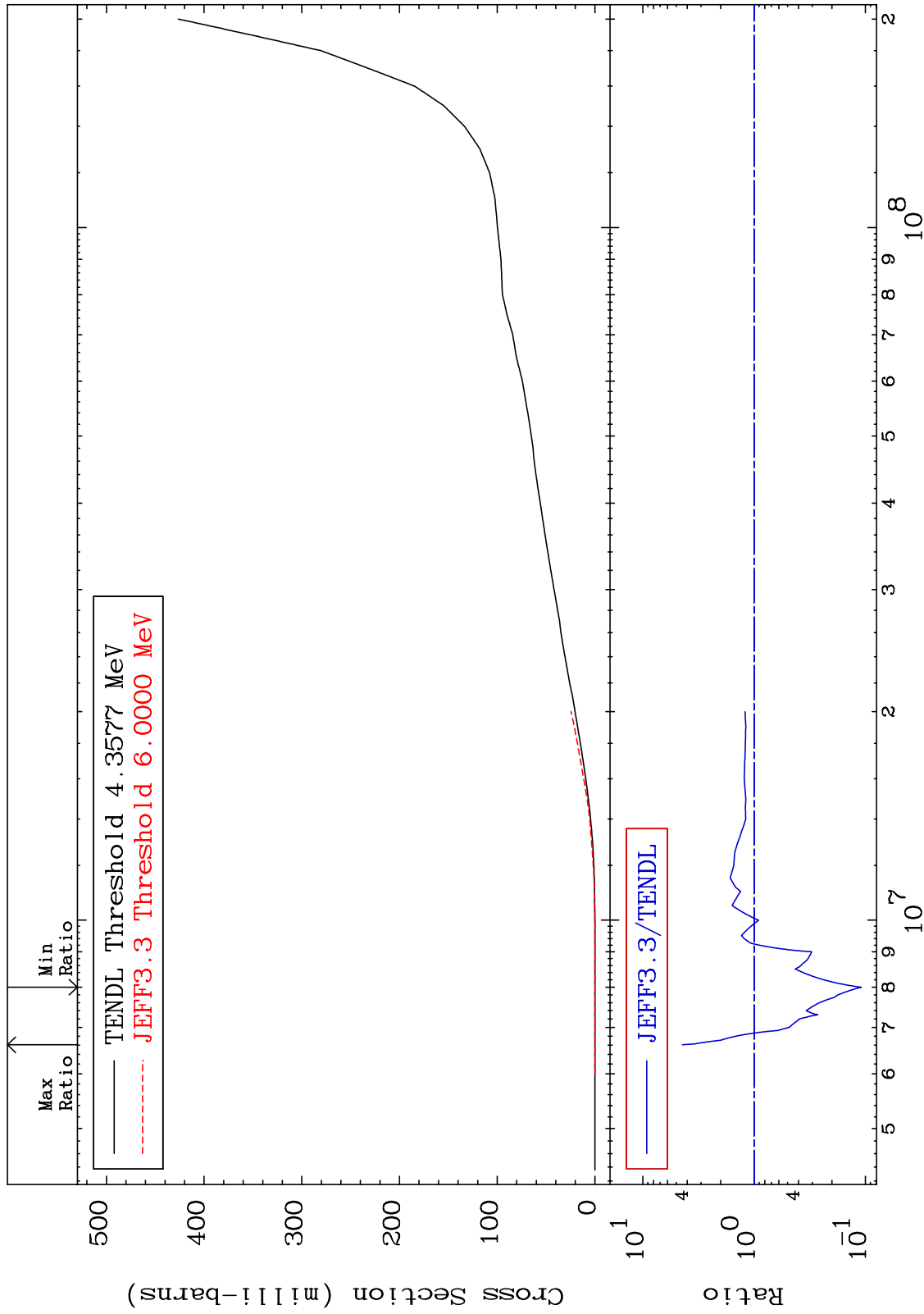
Incident Energy (eV)

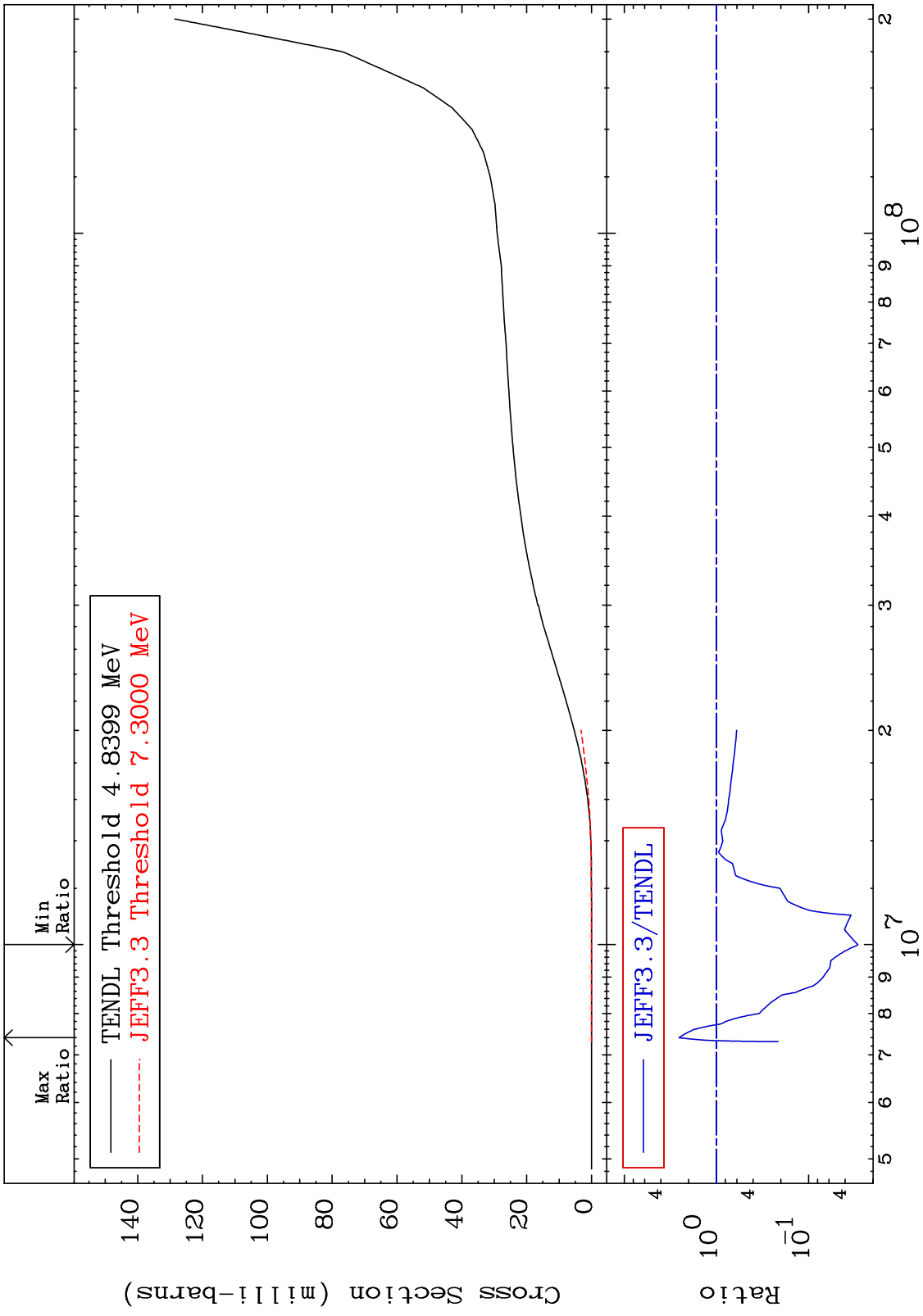
41-Nb-94

MAT 4128

Deuterium Production Cross Section

41-Nb-94
-89.10 To 340.5 %

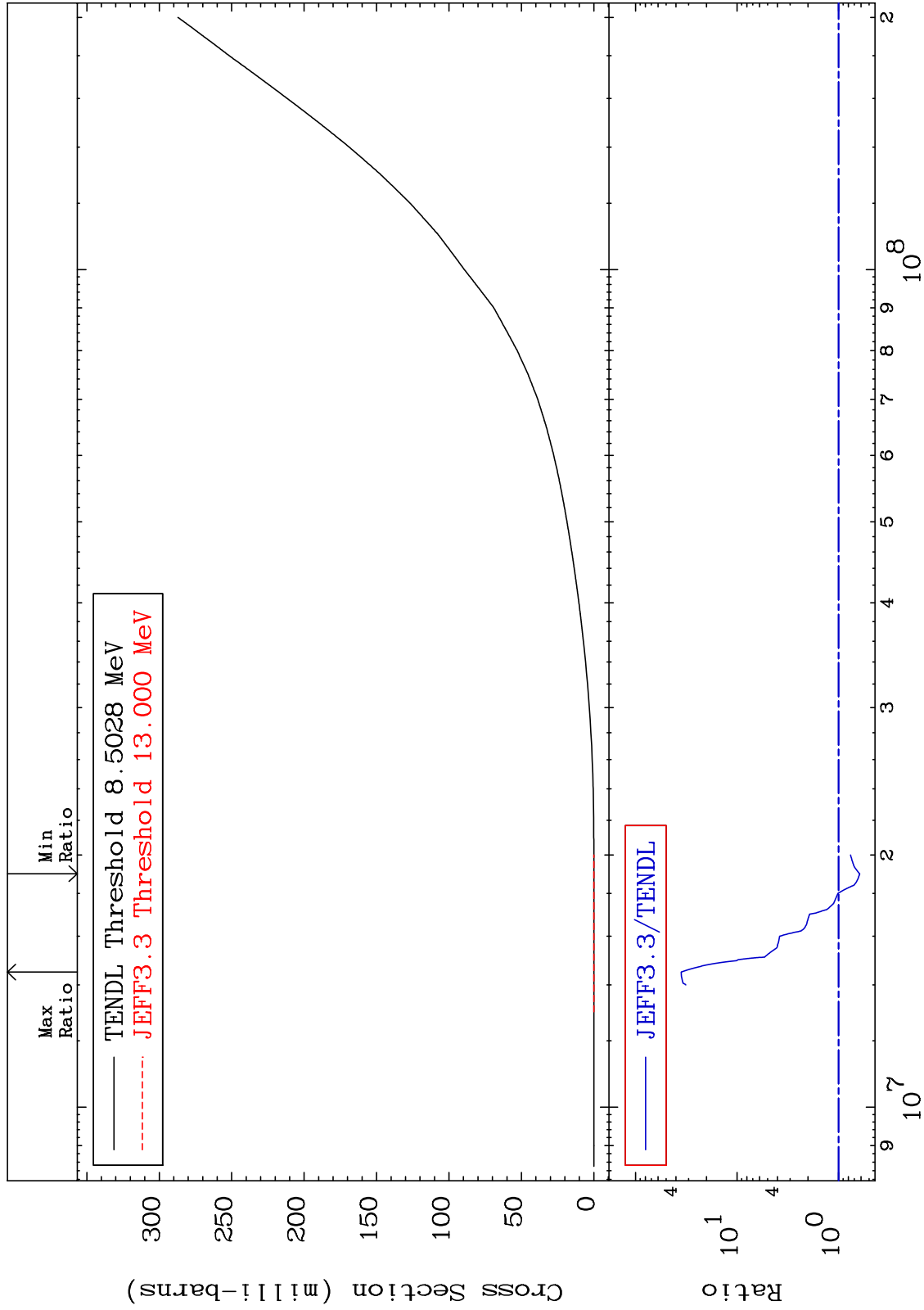




MAT 4128

He-3 Production
Cross Section

41-Nb-94
-38.27 To 3449. %



48

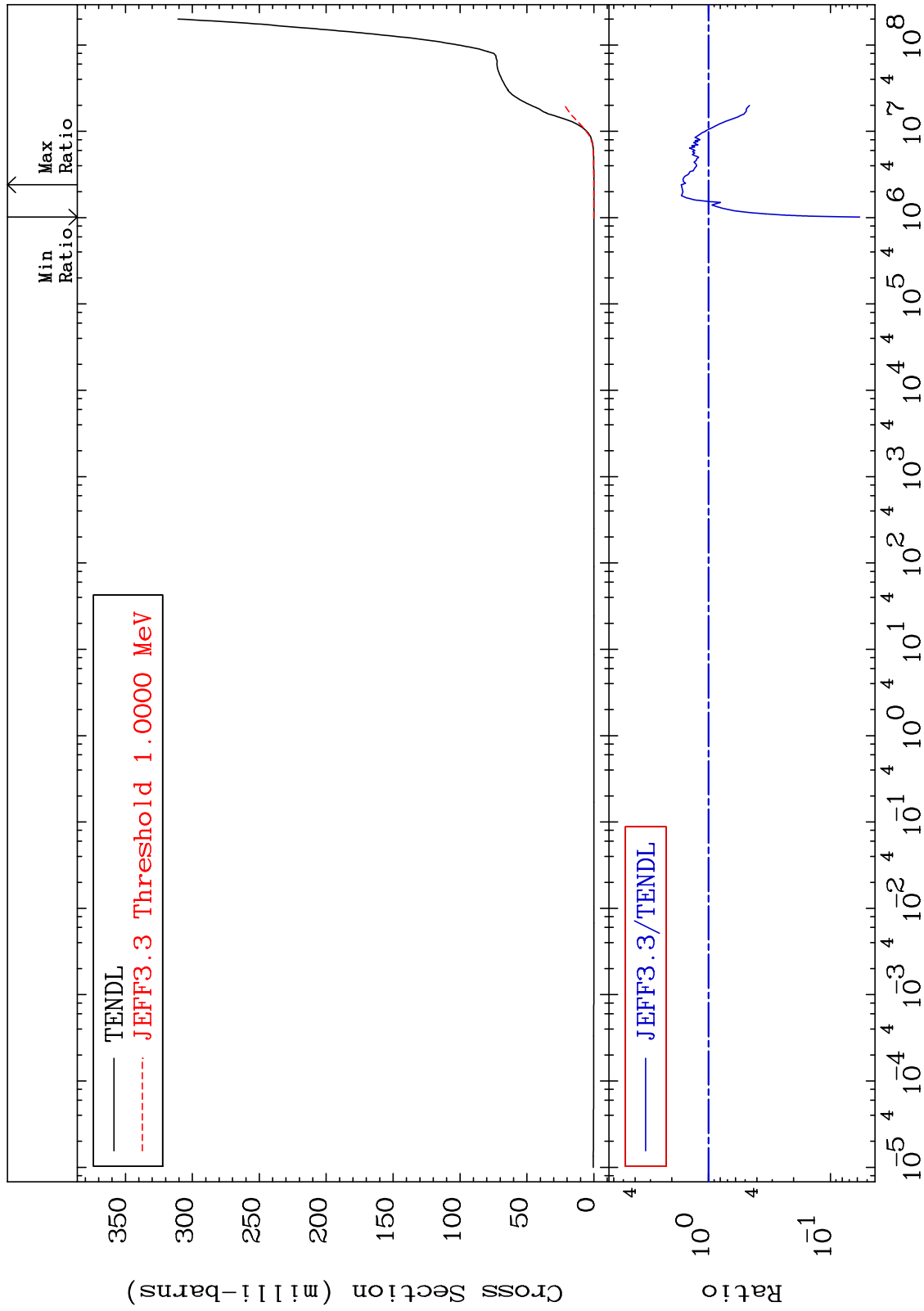
Incident Energy (eV)

41-Nb-94

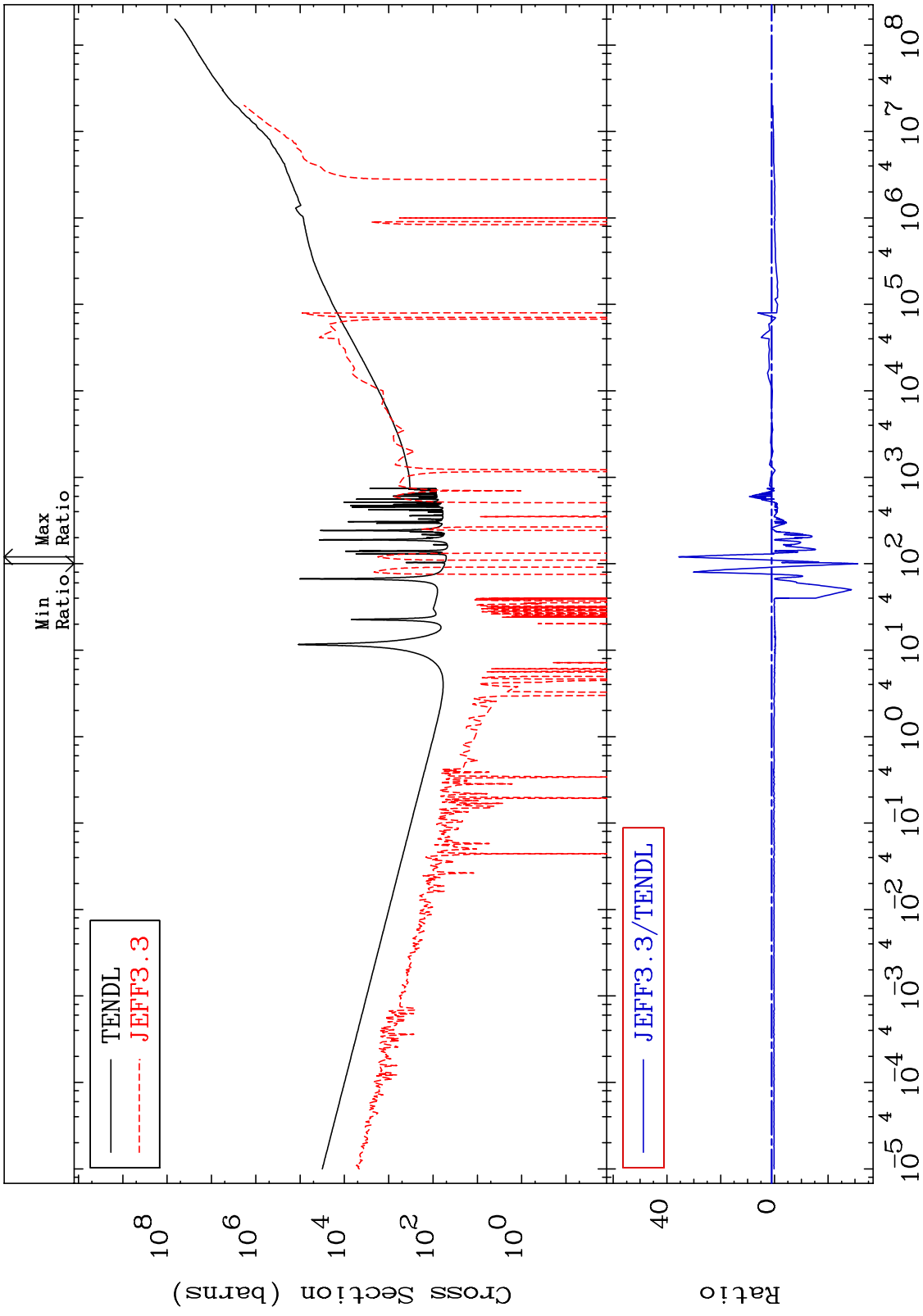
MAT 4128

He-4 Production
Cross Section

41-Nb-94
-94.26 To 67.47 %



MAT 4128 Kerma total (eV-barns) 41-Nb-94
 Cross Section -3204. To 3449. %

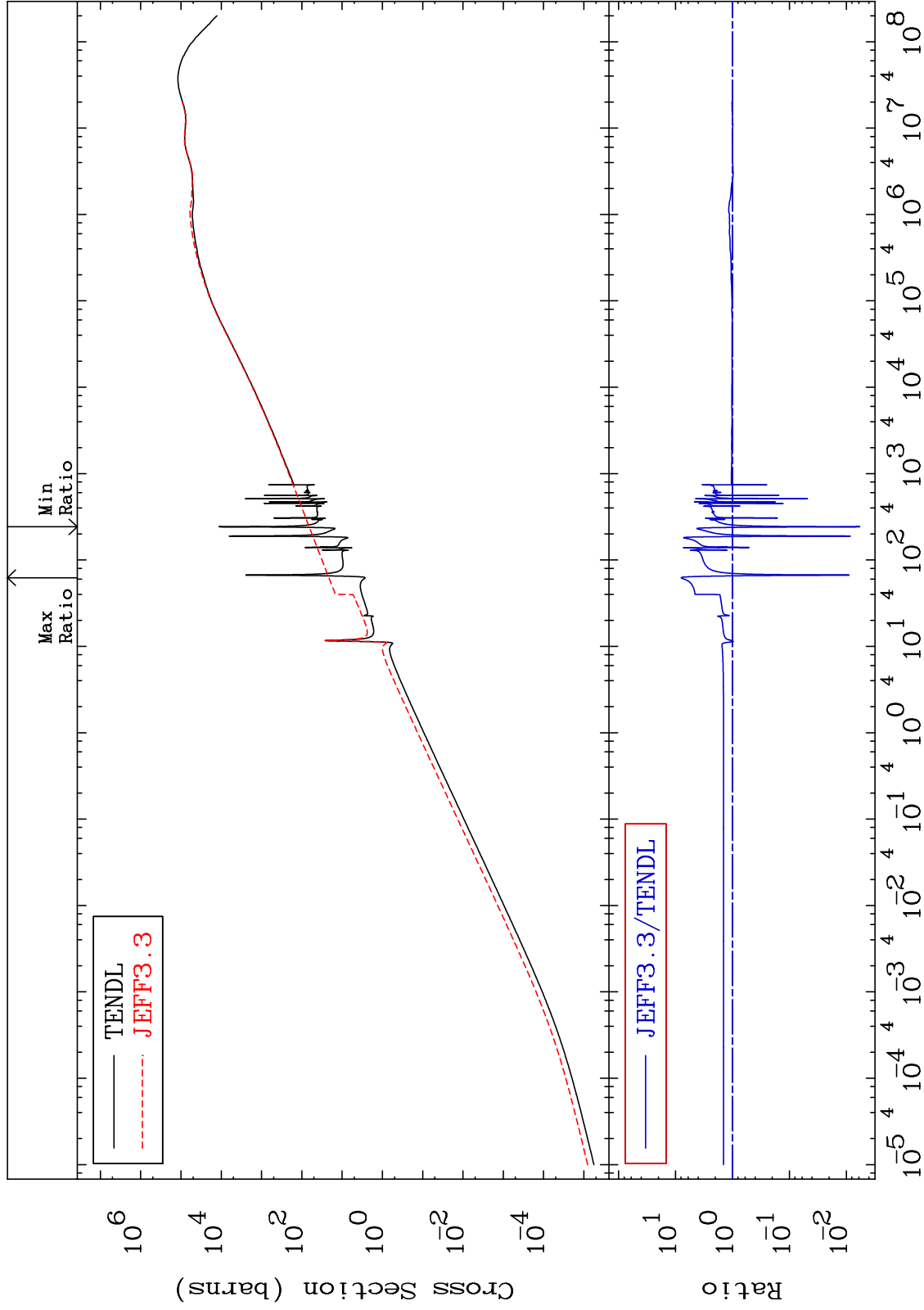


50 41-Nb-94

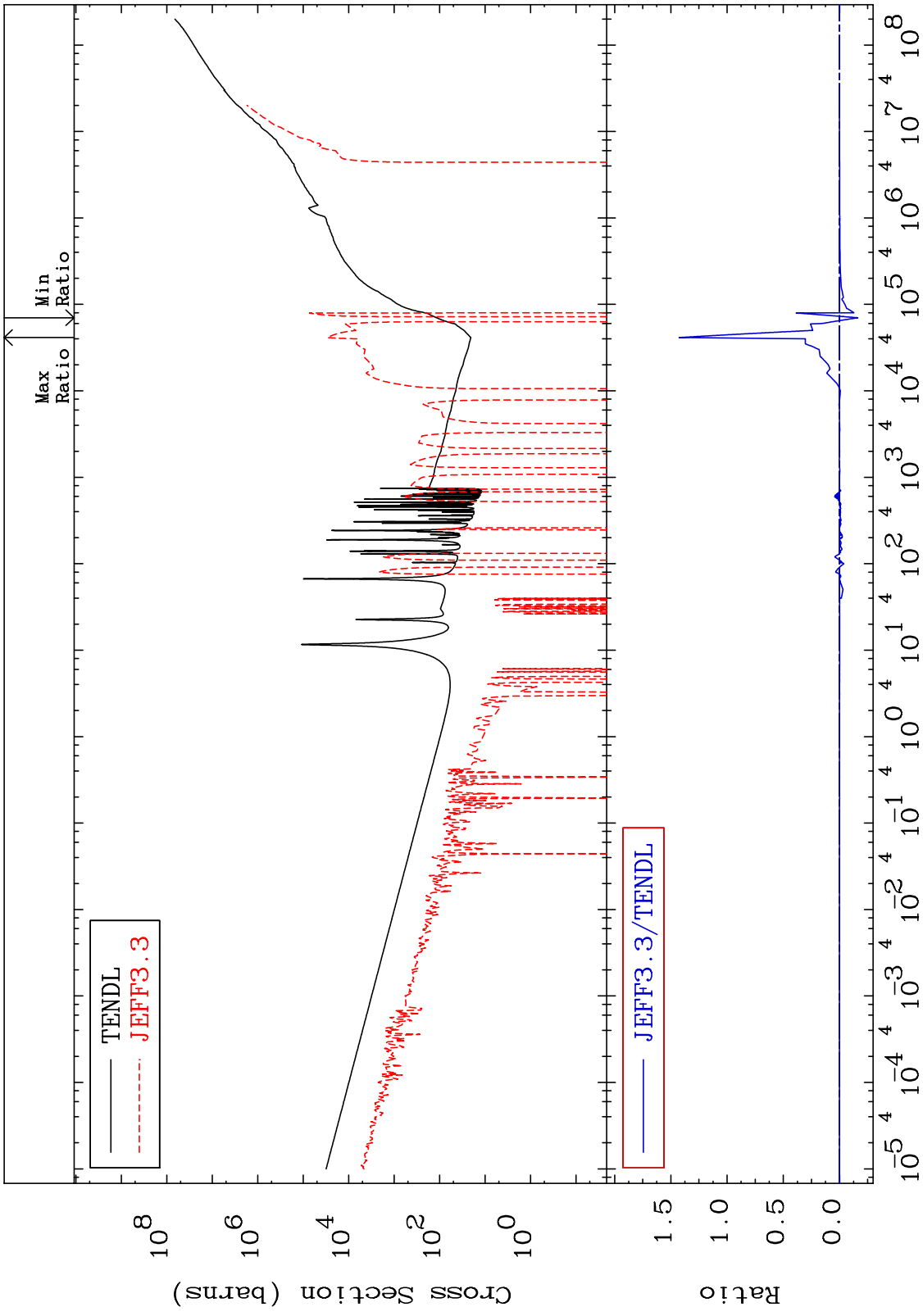
MAT 4128

Kerma elastic
Cross Section

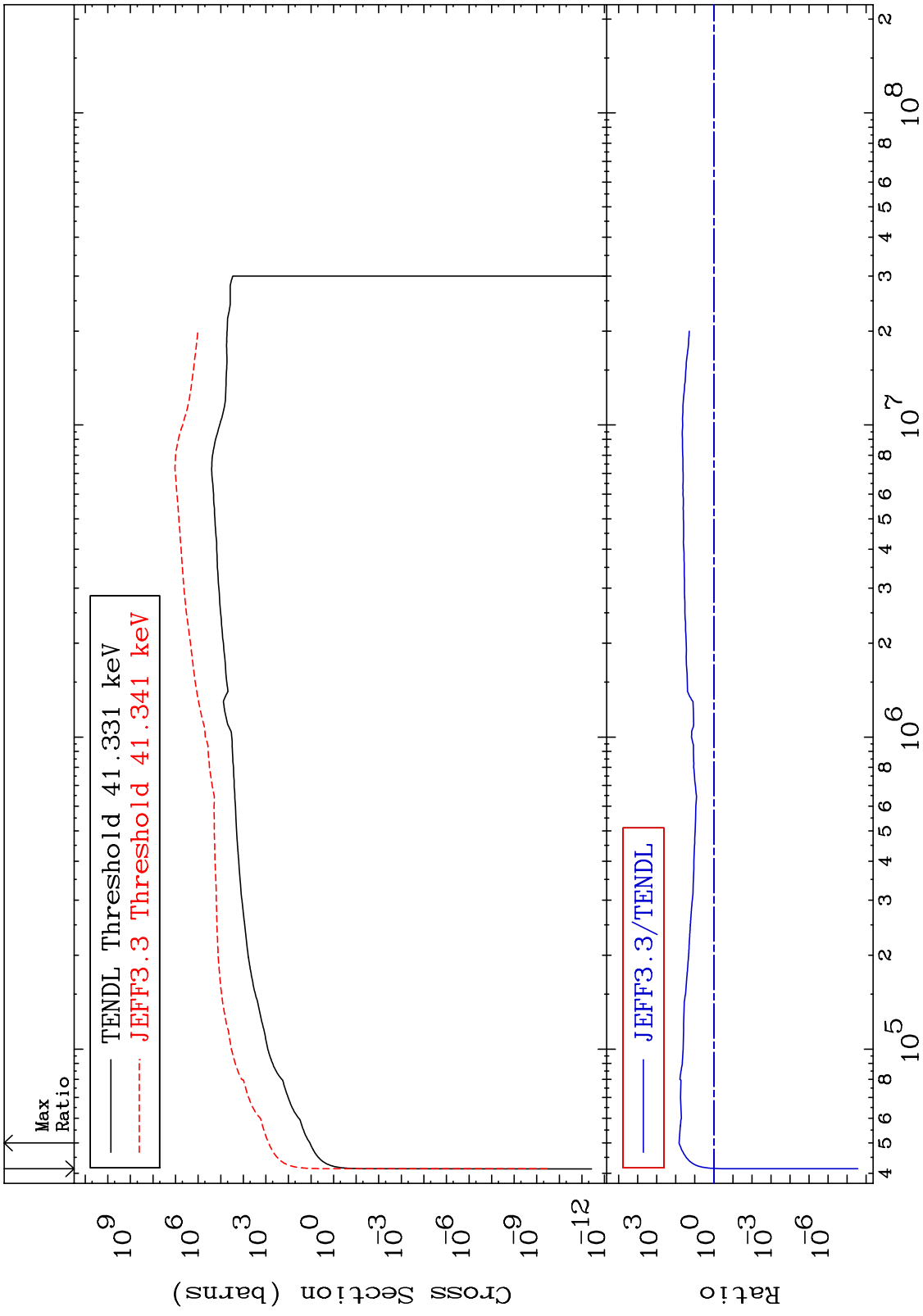
41-Nb-94
-99.42 To 693.2 %



MAT 4128 Kerma non-elastic (all but mt2) 41-Nb-94
 Cross Section -9999. To 9999. %



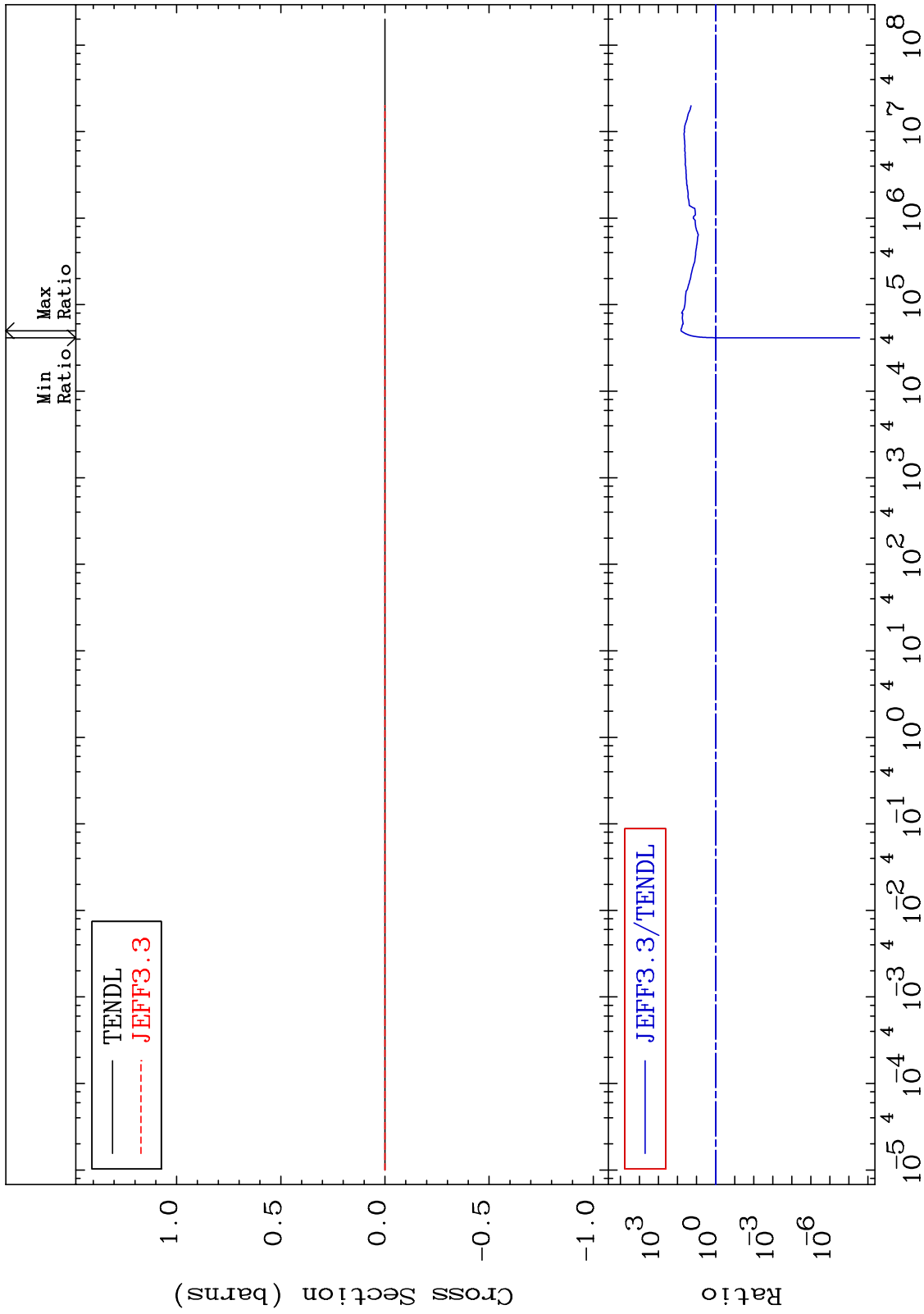
52 Incident Energy (eV) 41-Nb-94



MAT 4128

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

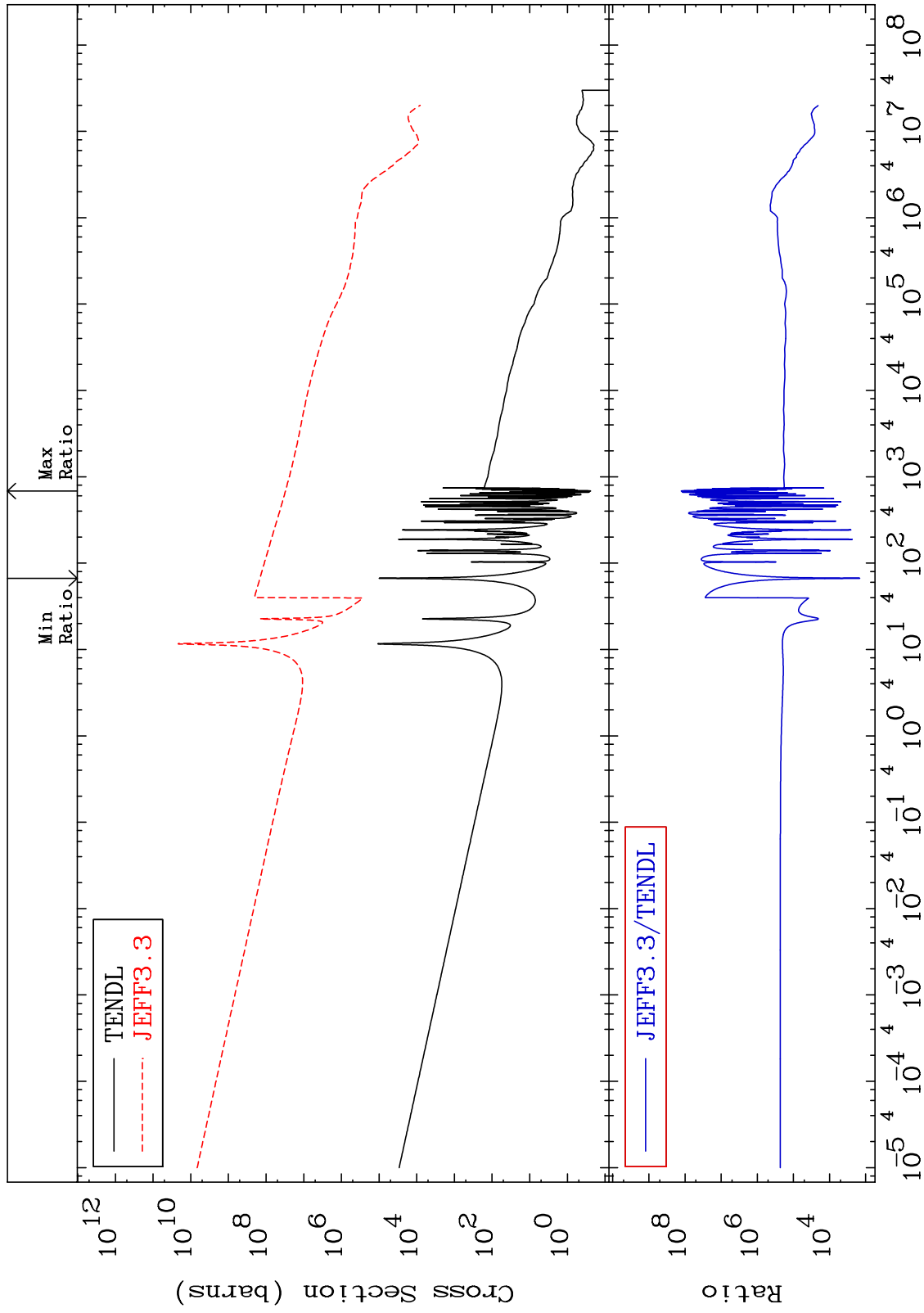
41-Nb-94
-100.0 To 6628. %



MAT 4128

Kerma capture (mt102)
Cross Section

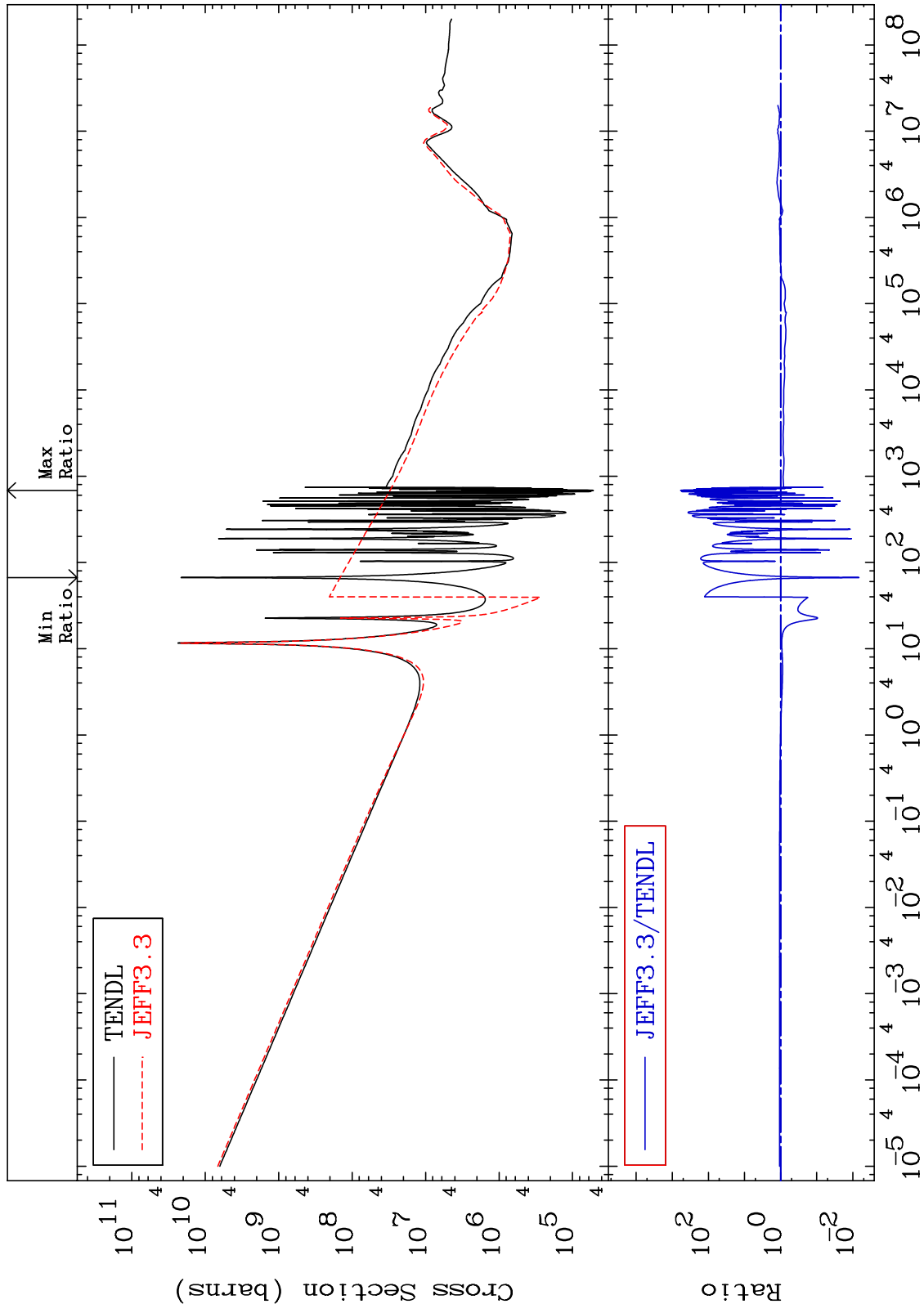
41-Nb-94
9999. To 9999. %



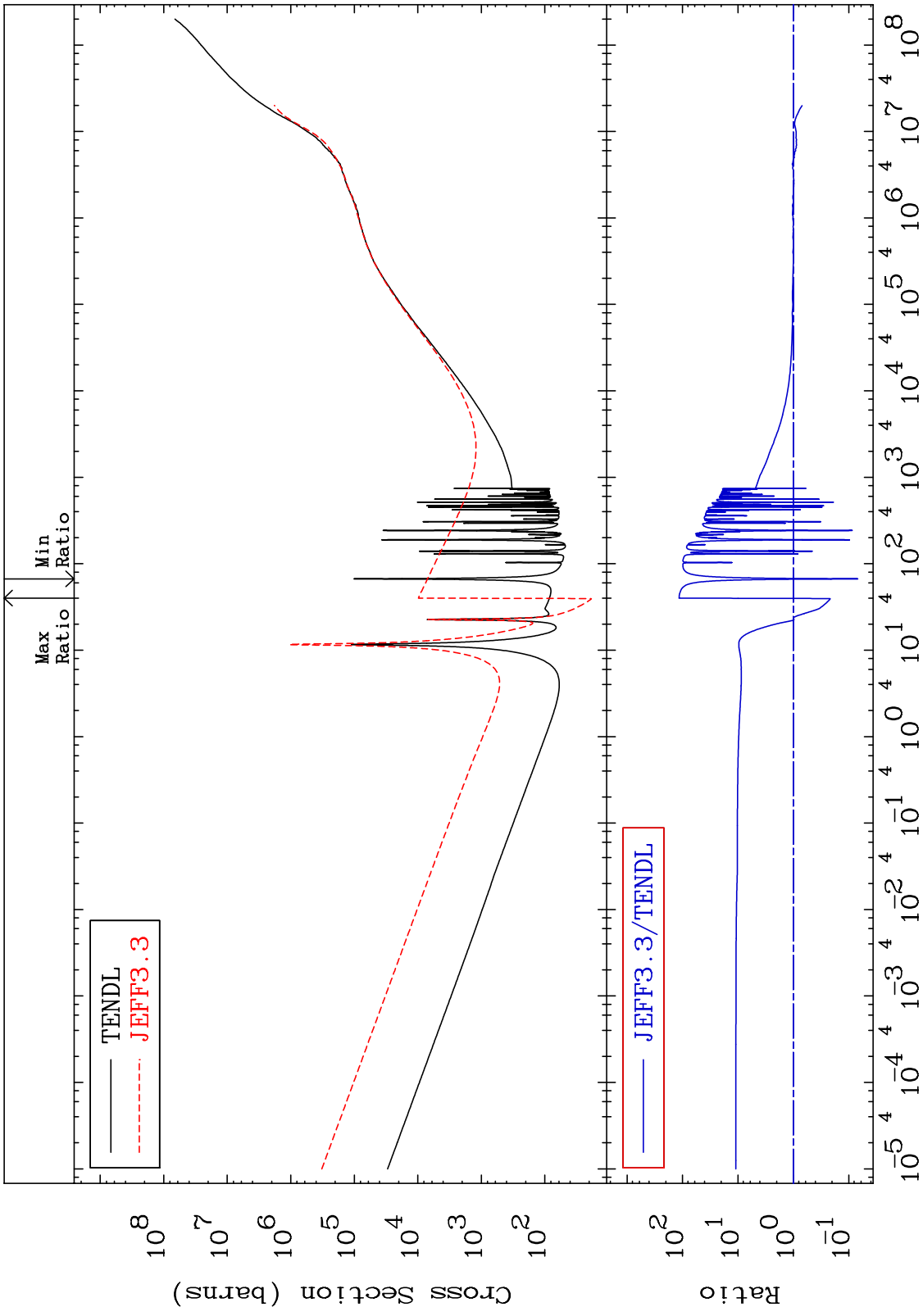
MAT 4128

Total photon (eV-barns)
Cross Section

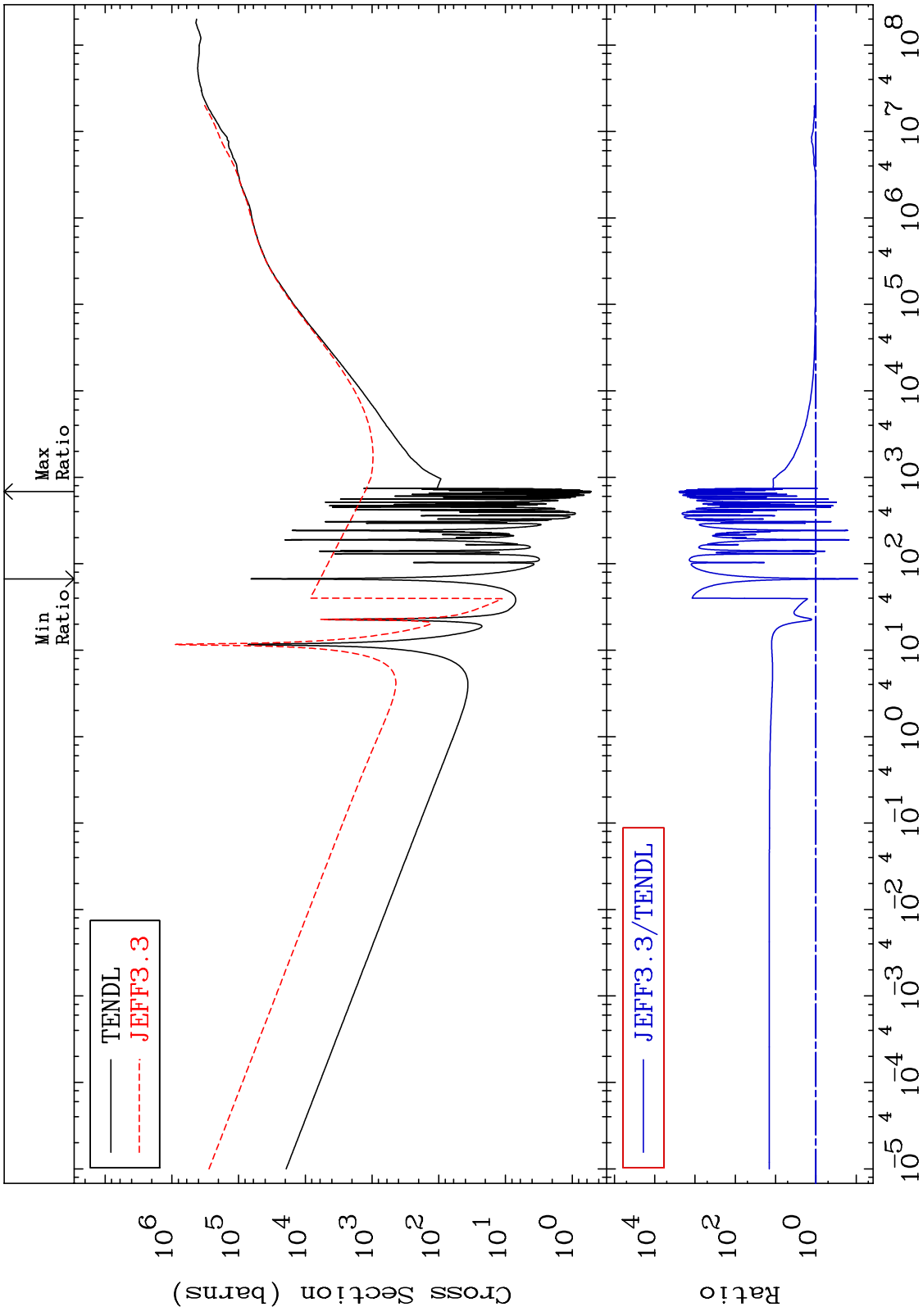
41-Nb-94
-99.33 To 9999. %



MAT 4128 Total kinematic kerma (high limit) 41-Nb-94
 Cross Section -93.14 To 9999. %



MAT 4128 Dpa total (eV-barns) 41-Nb-94
 -90.91 To 9999. %
 Cross Section

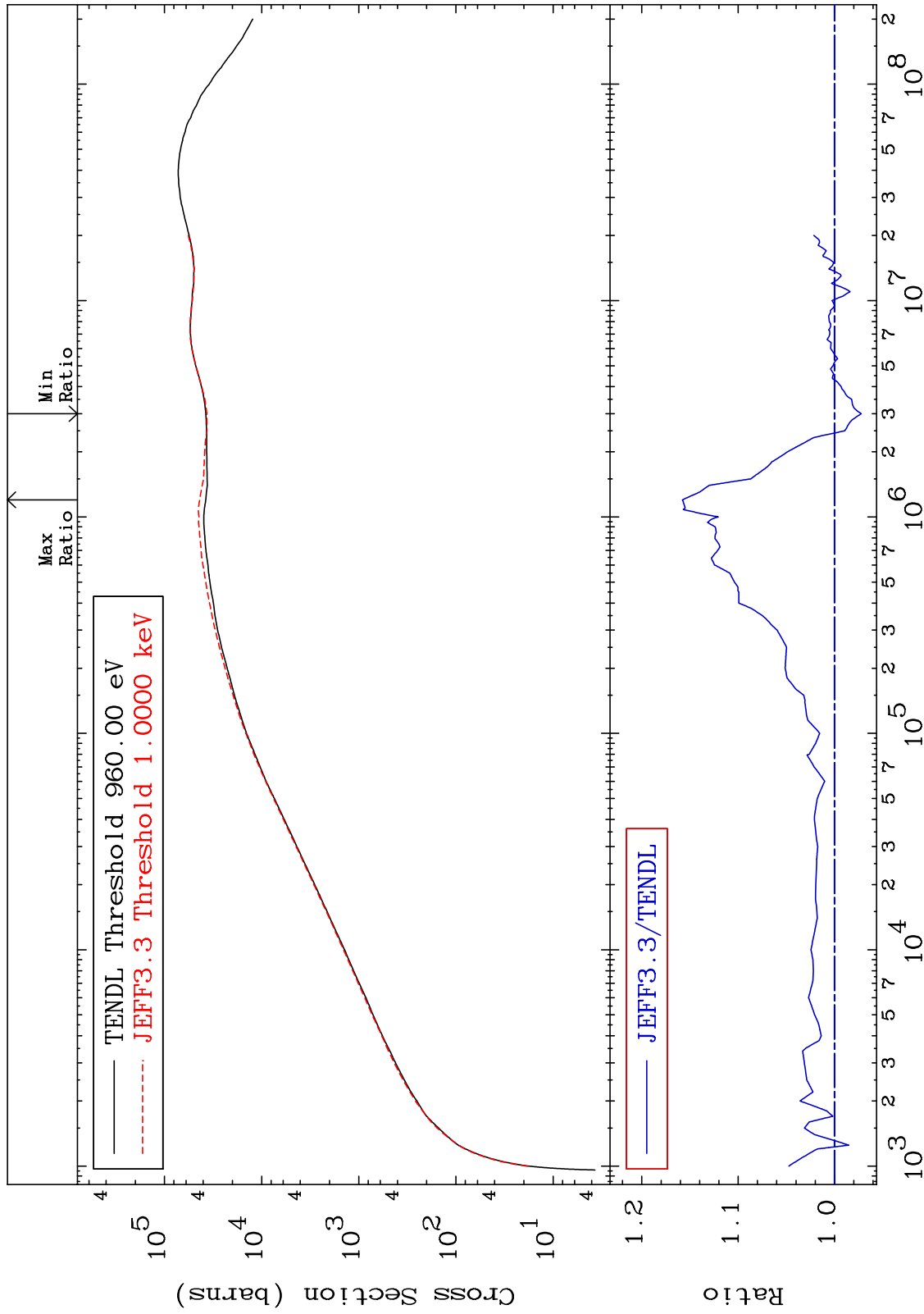


58 Incident Energy (eV) 41-Nb-94

MAT 4128

Dpa elastic (mt2)
Cross Section

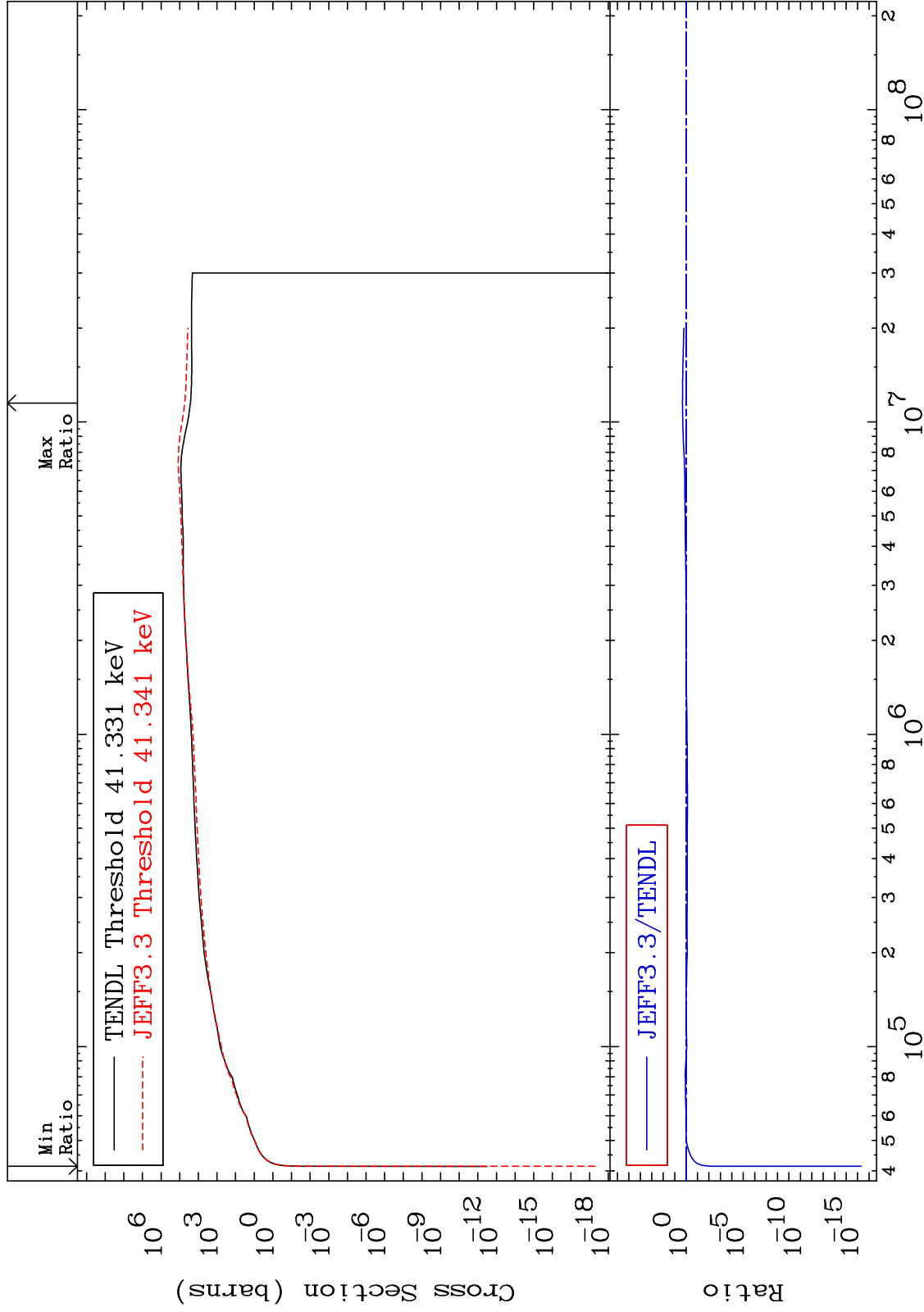
41-Nb-94
-2.775 To 15.78 %



MAT 4128

Dpa inelastic (mt51-91)
Cross Section

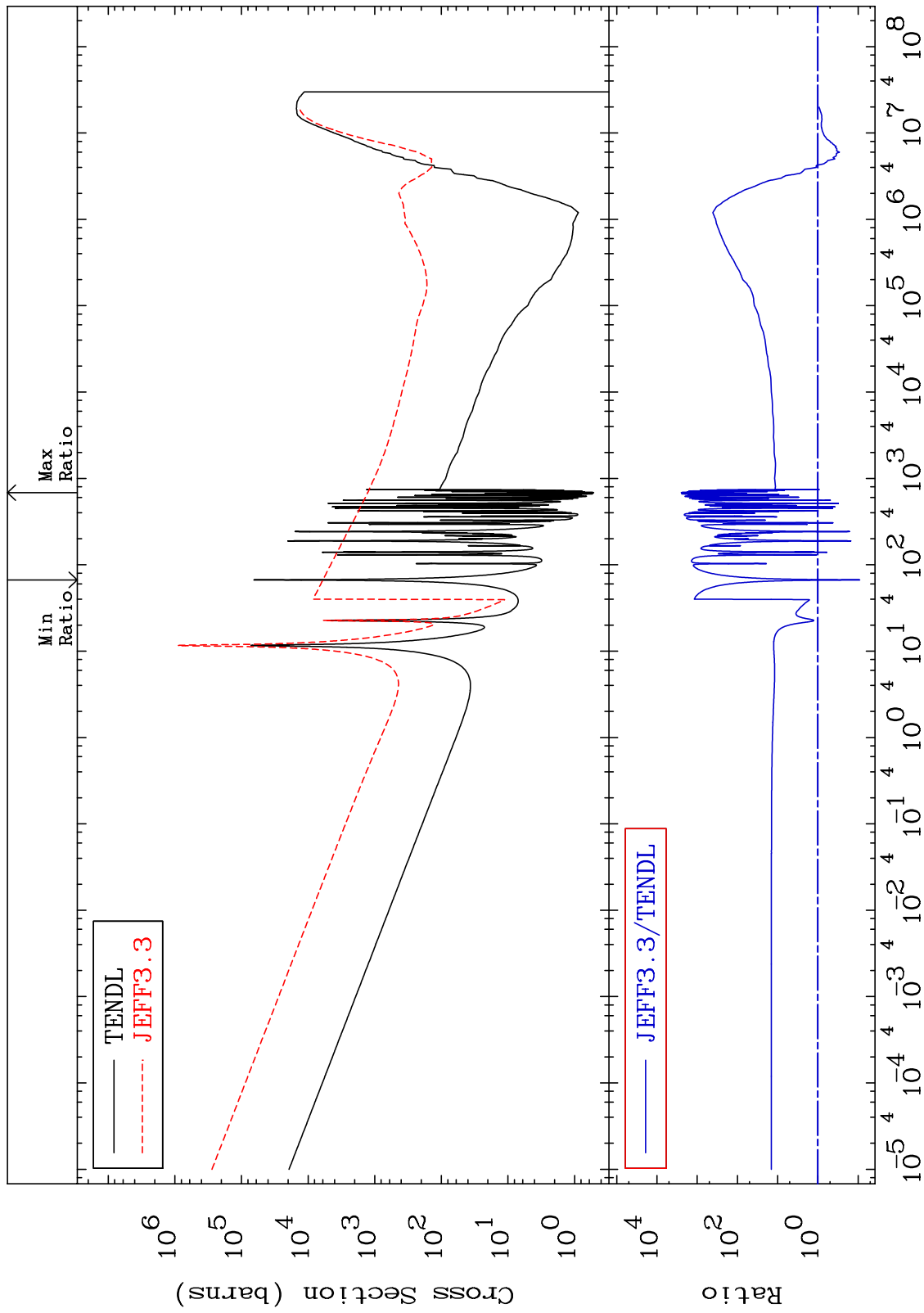
41-Nb-94
-100.0 To 106.8 %



MAT 4128

Dpa disappearance (mt102 -120)

41-Nb-94
-90.91 To 9999. %



MAT 4128

Dpa disappearance (mt102 -120)

41-Nb-94
-93.67 To 9999. %

