

Program Complot
(Version 2018-1)

by

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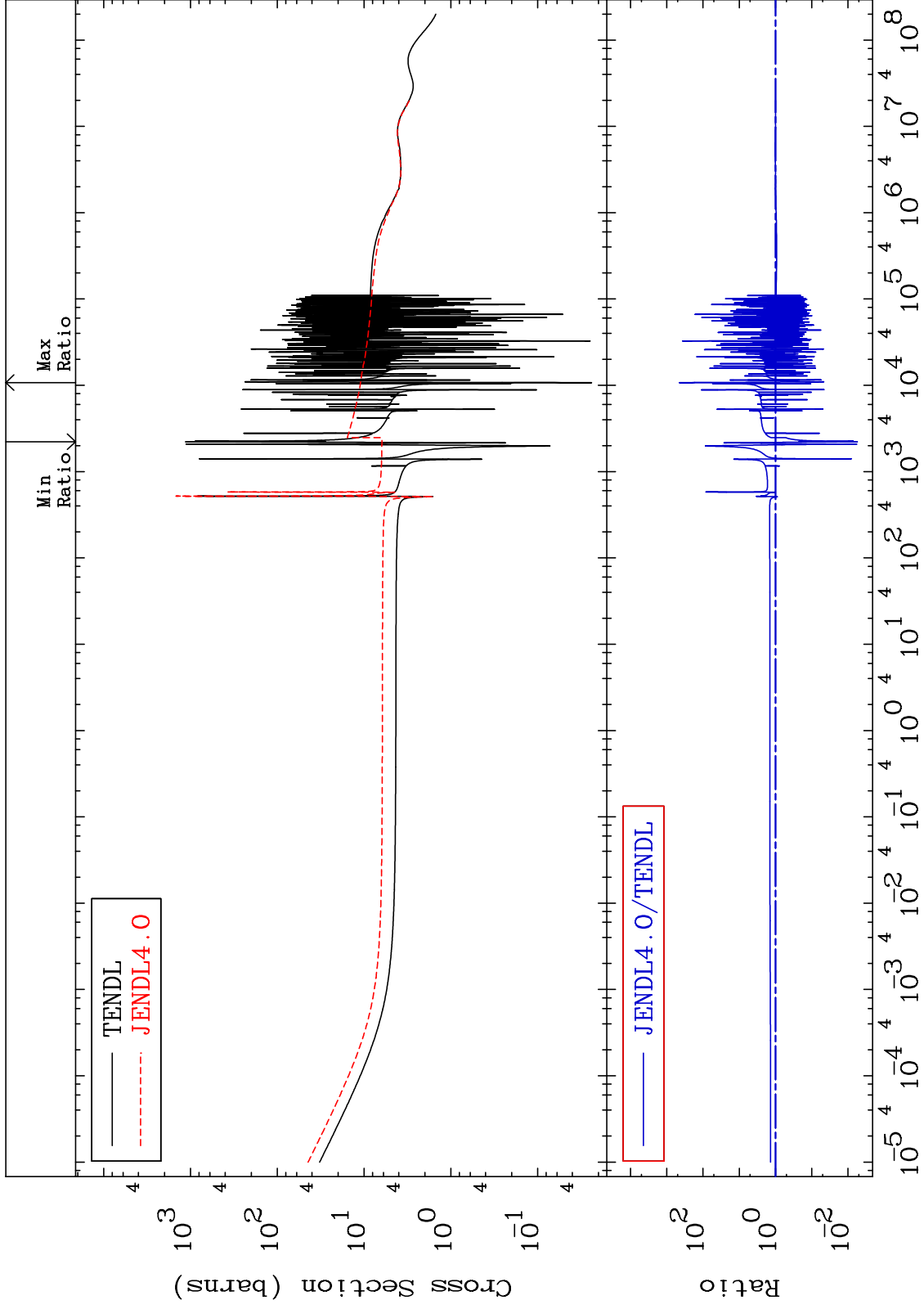
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3643

Total
Cross Section

36-Kr-84
-99.45 To 9999. %



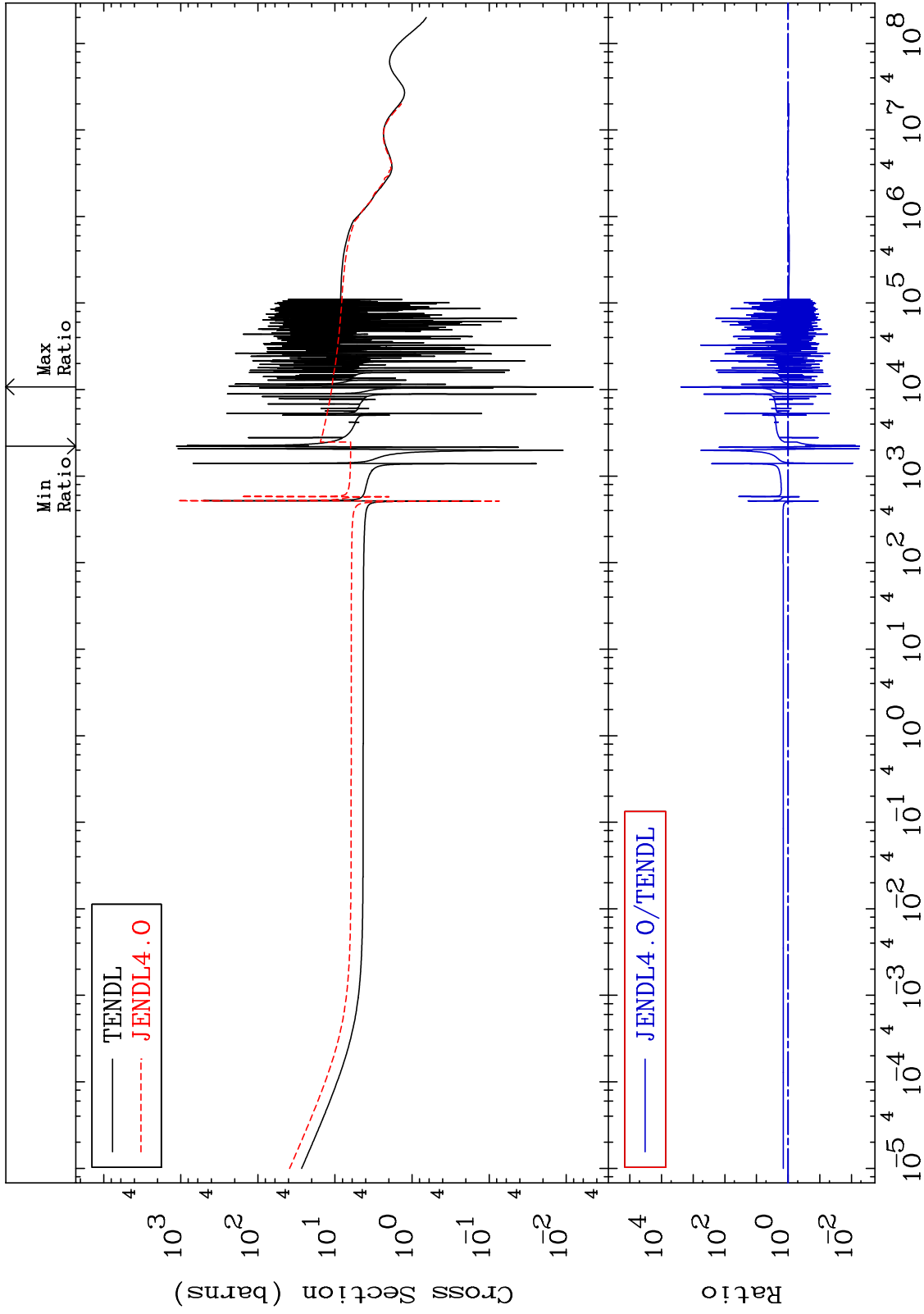
Incident Energy (eV)

36-Kr-84

MAT 3643

Elastic
Cross Section

36-Kr-84
-99.45 To 9999. %

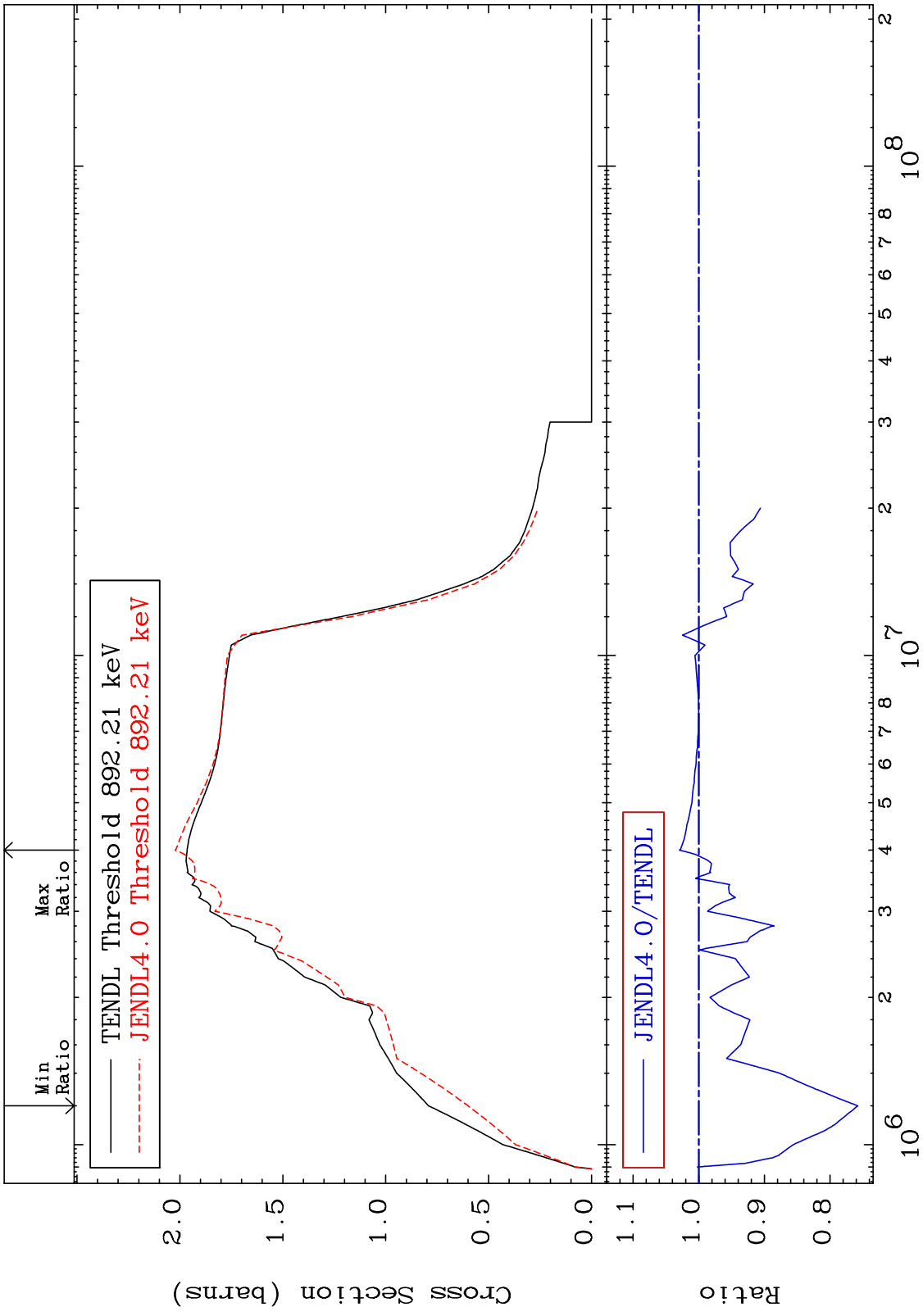


2

Incident Energy (eV)

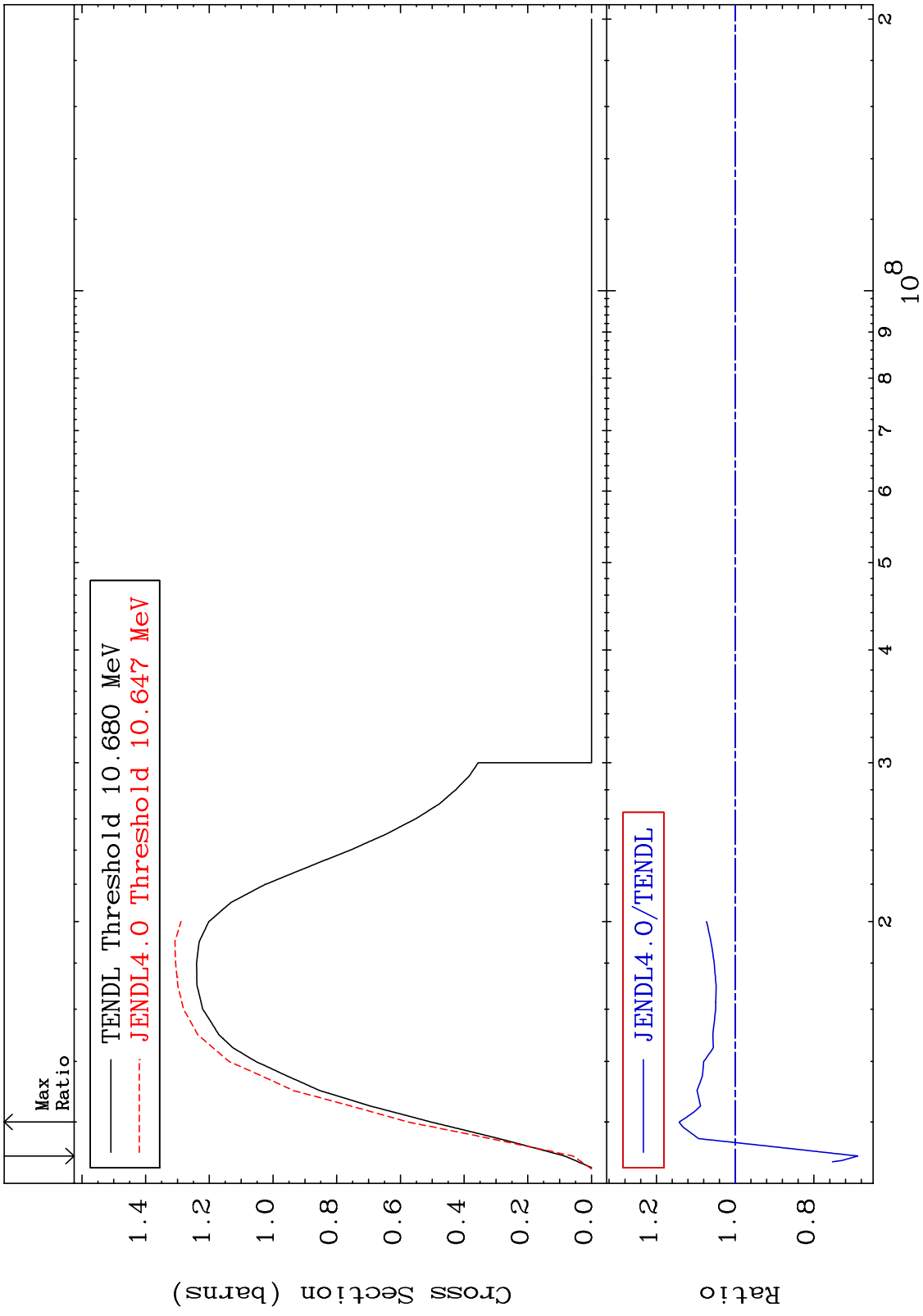
36-Kr-84

MAT 3643 Inelastic Cross Section 36-Kr-84 -24.24 To 3.006 %

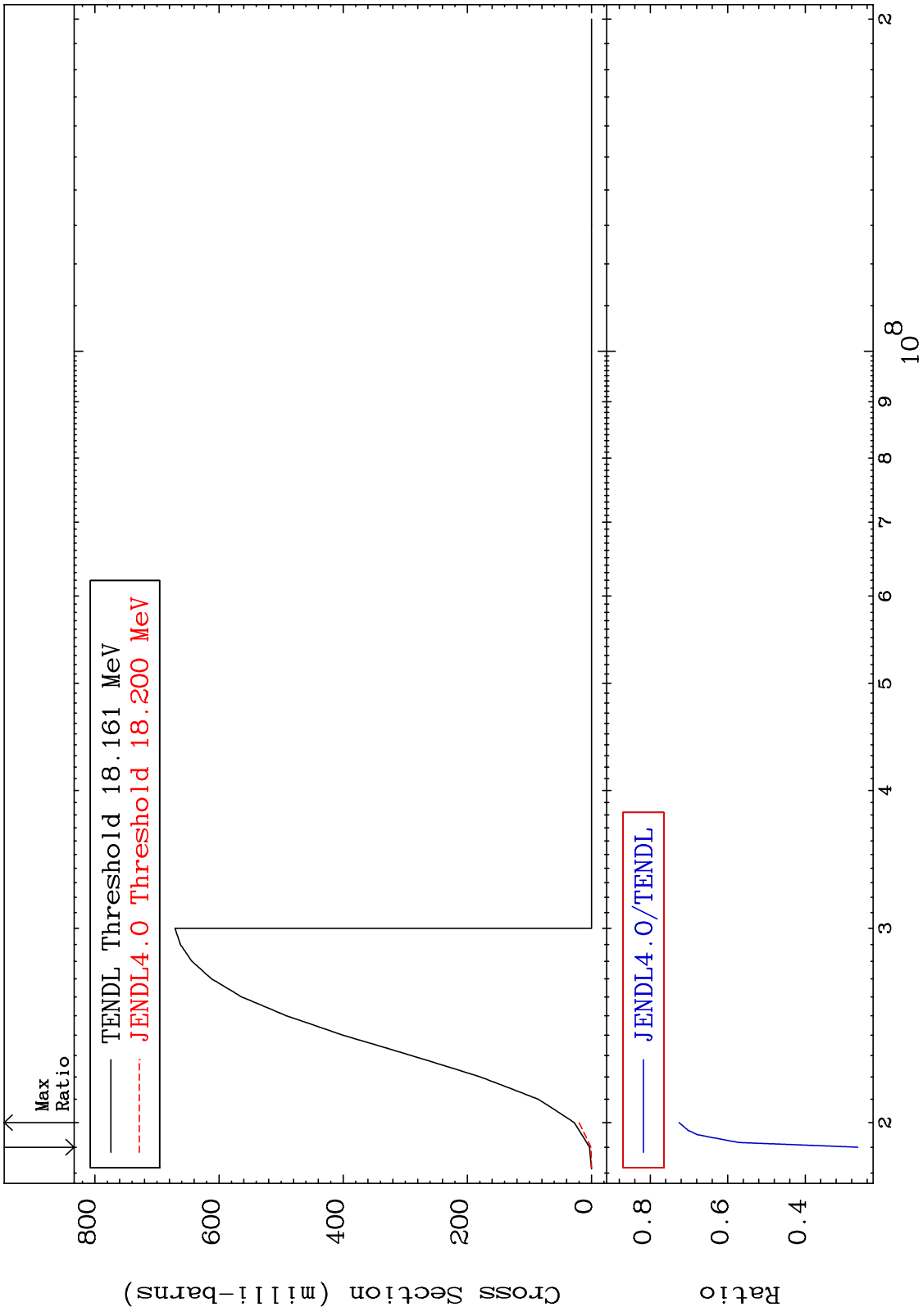


36-Kr-84

MAT 3643 (n,2n) Cross Section 36-Kr-84 -31.14 To 14.25 %



MAT 3643 (n,3n) Cross Section 36-Kr-84 -73.58 To -27.43%



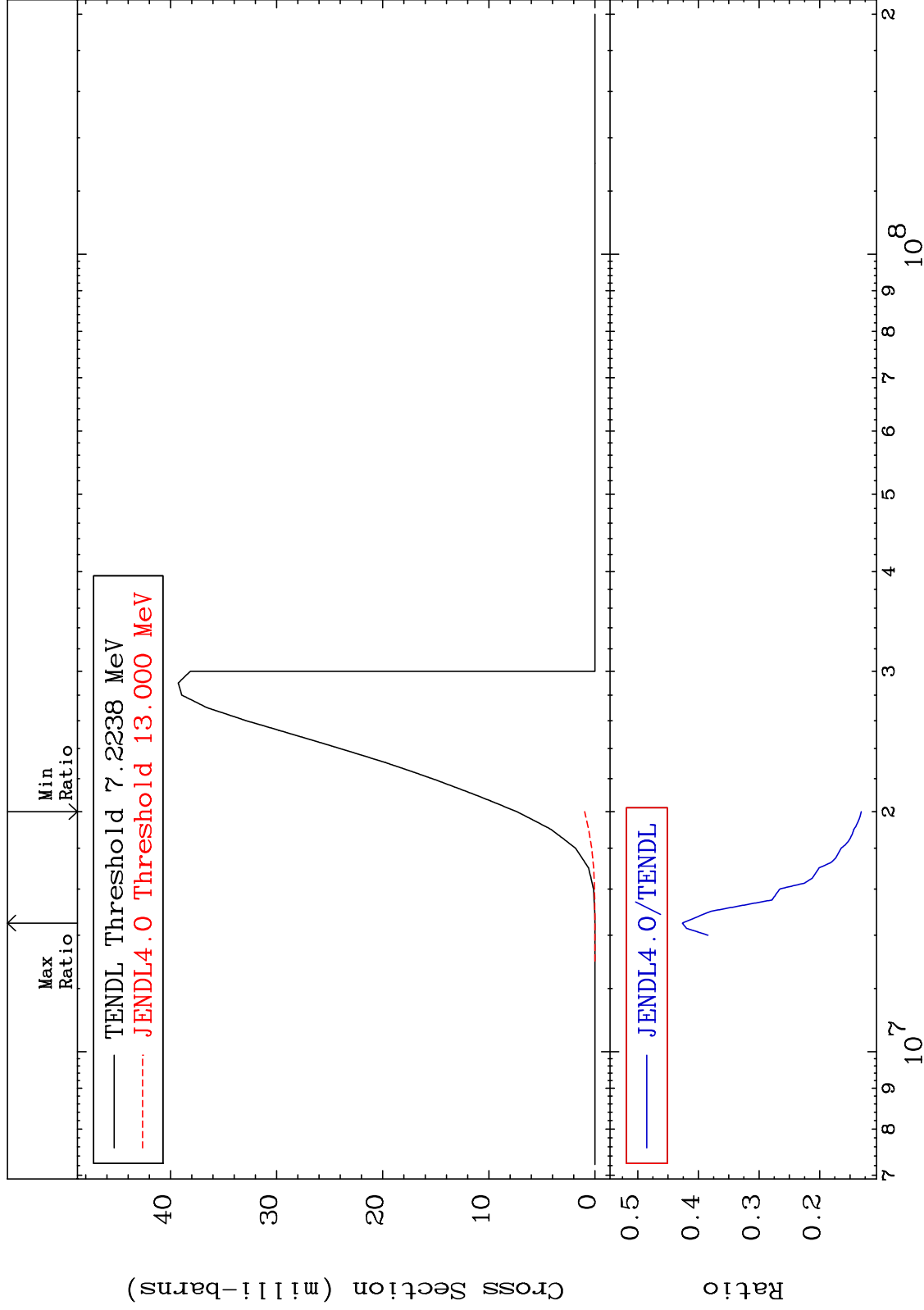
MAT 3643

(n,n') α

36-Kr-84

Cross Section

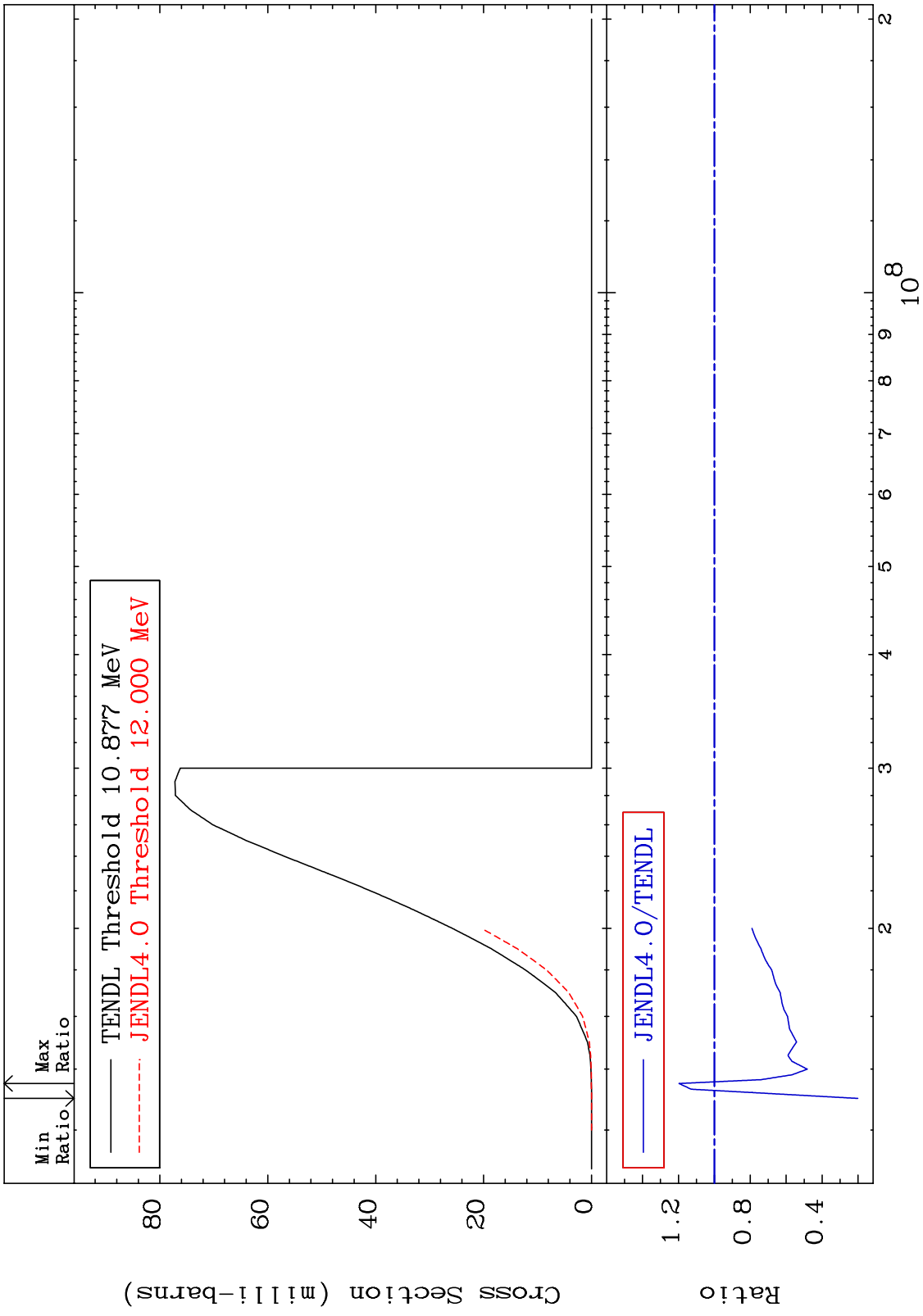
-86.85 To -57.37%



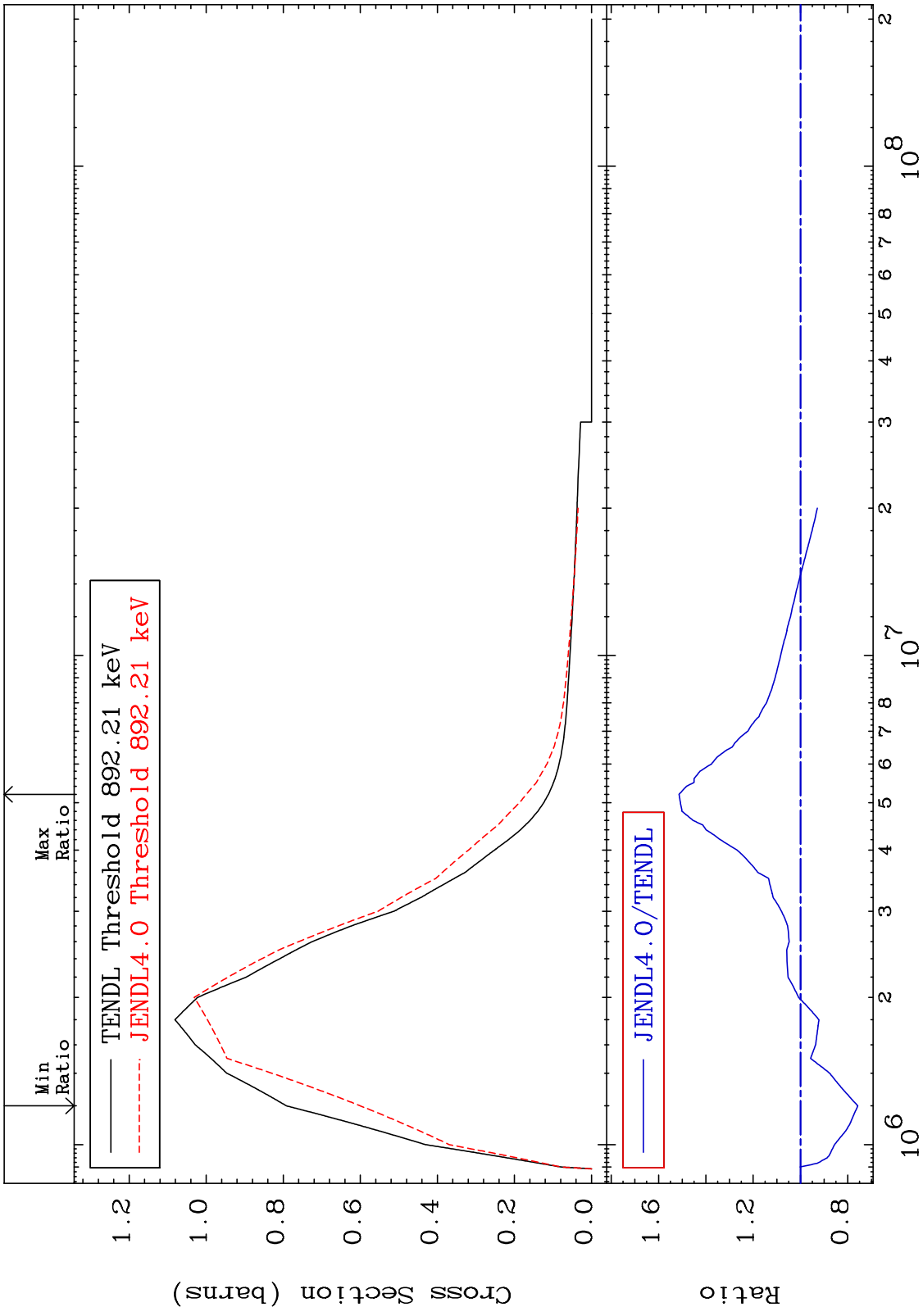
6

Incident Energy (eV)

36-Kr-84



MAT 3643 MT= 51 (n,n') Level Cross Section 36-Kr-84
-24.24 To 51.33 %

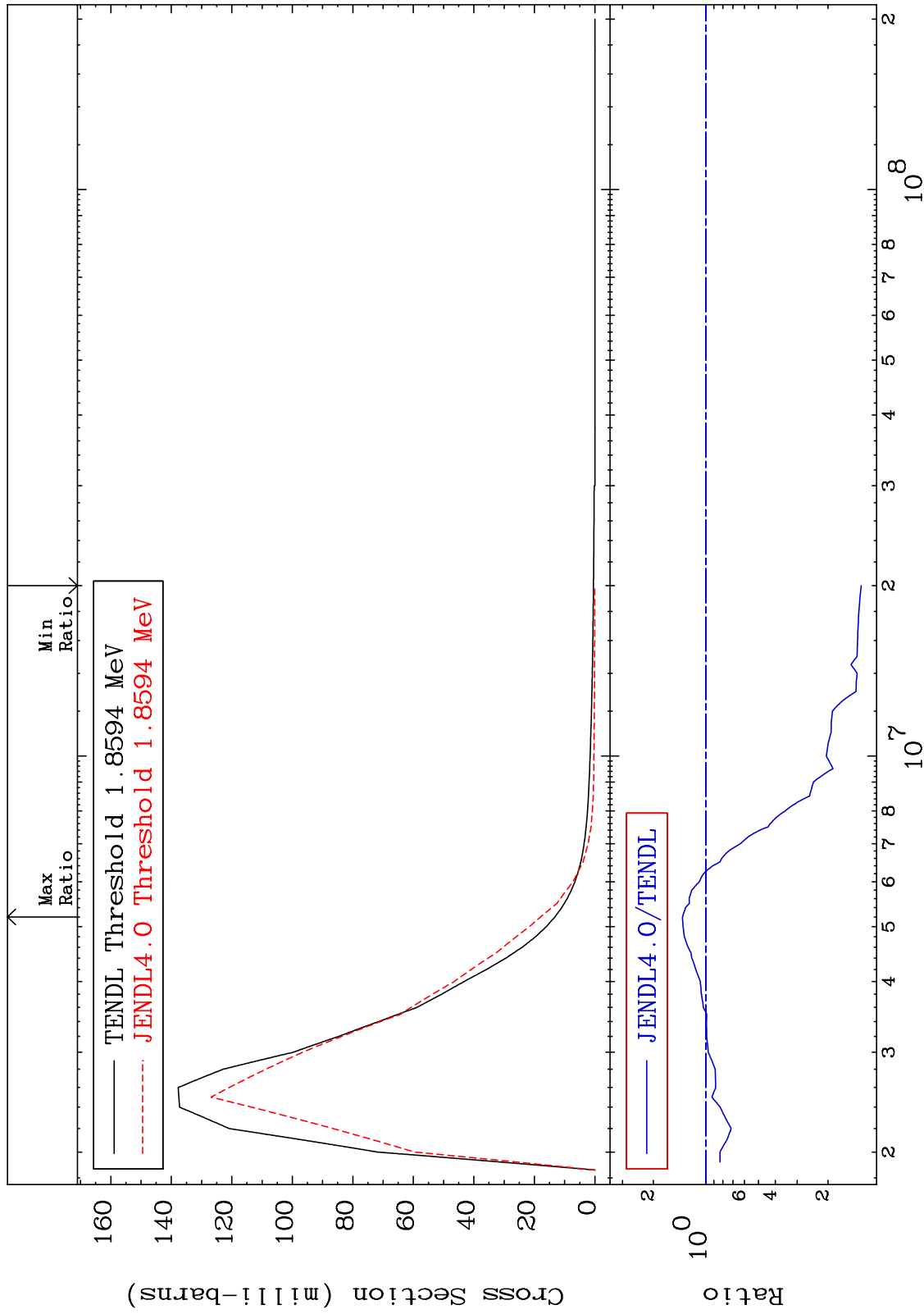


36-Kr-84

MAT 3643

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

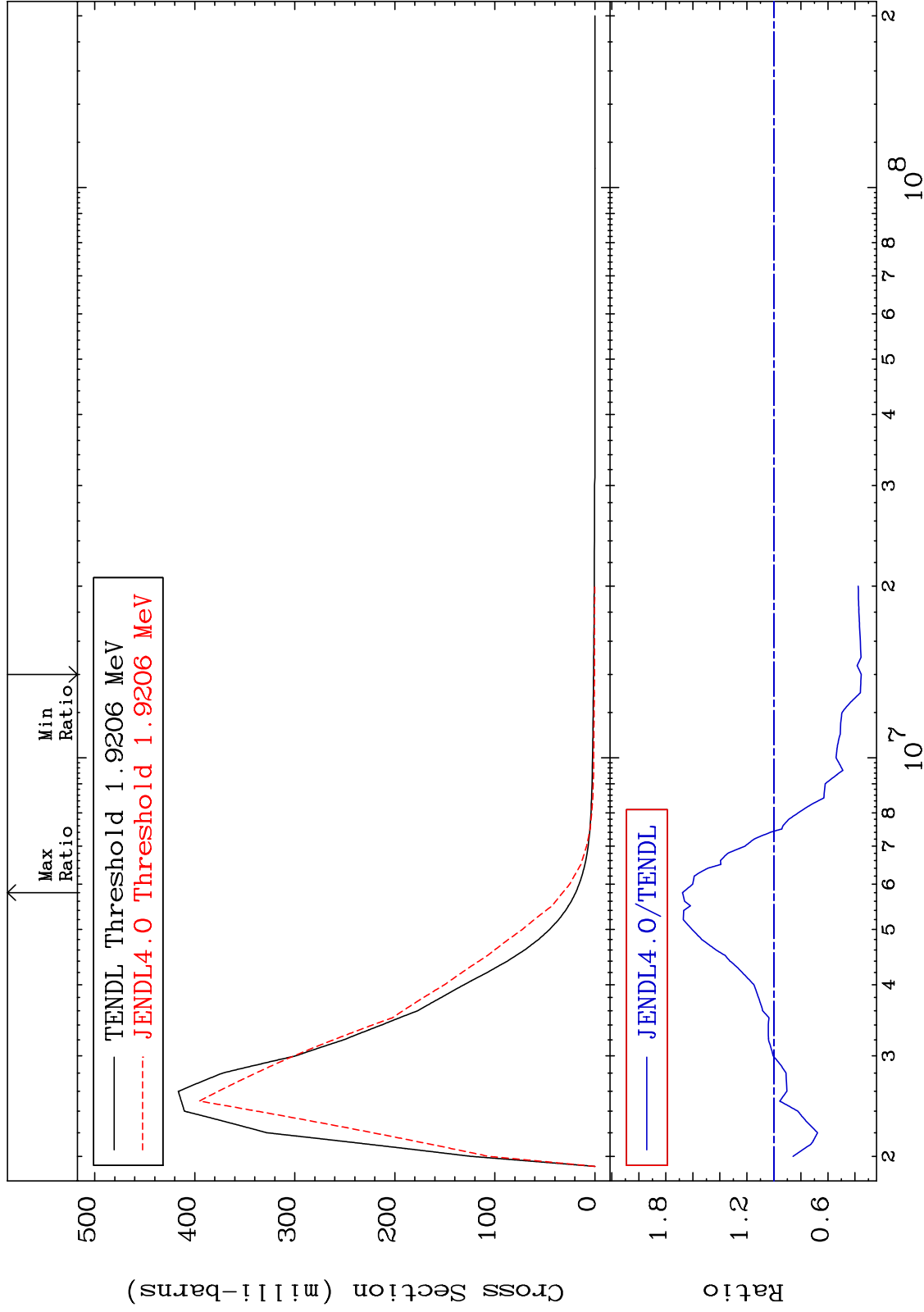
36-Kr-84
-87.11 To 36.03 %



MAT 3643

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

36-Kr-84
-64.70 To 67.71 %



10

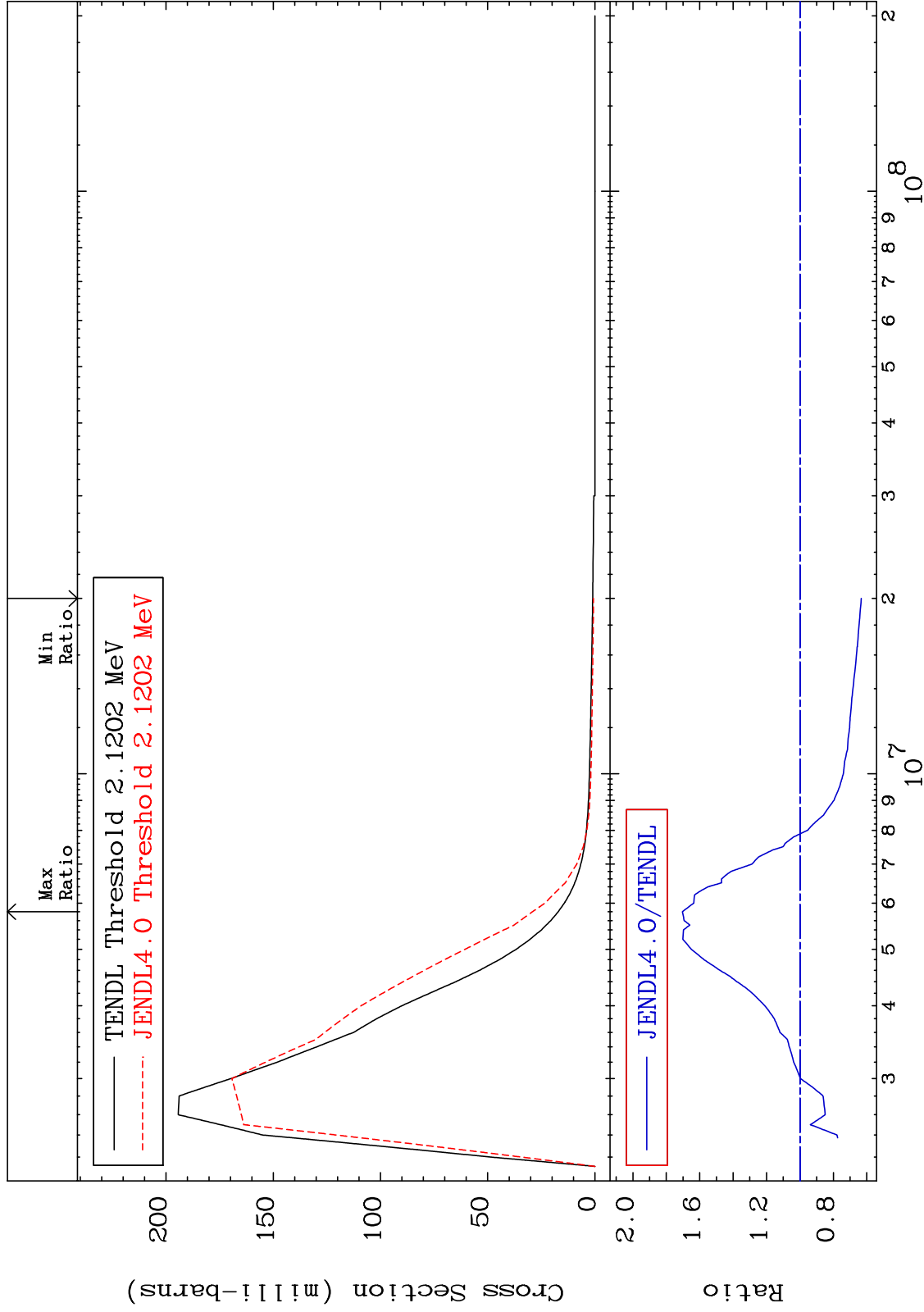
Incident Energy (eV)

36-Kr-84

MAT 3643

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

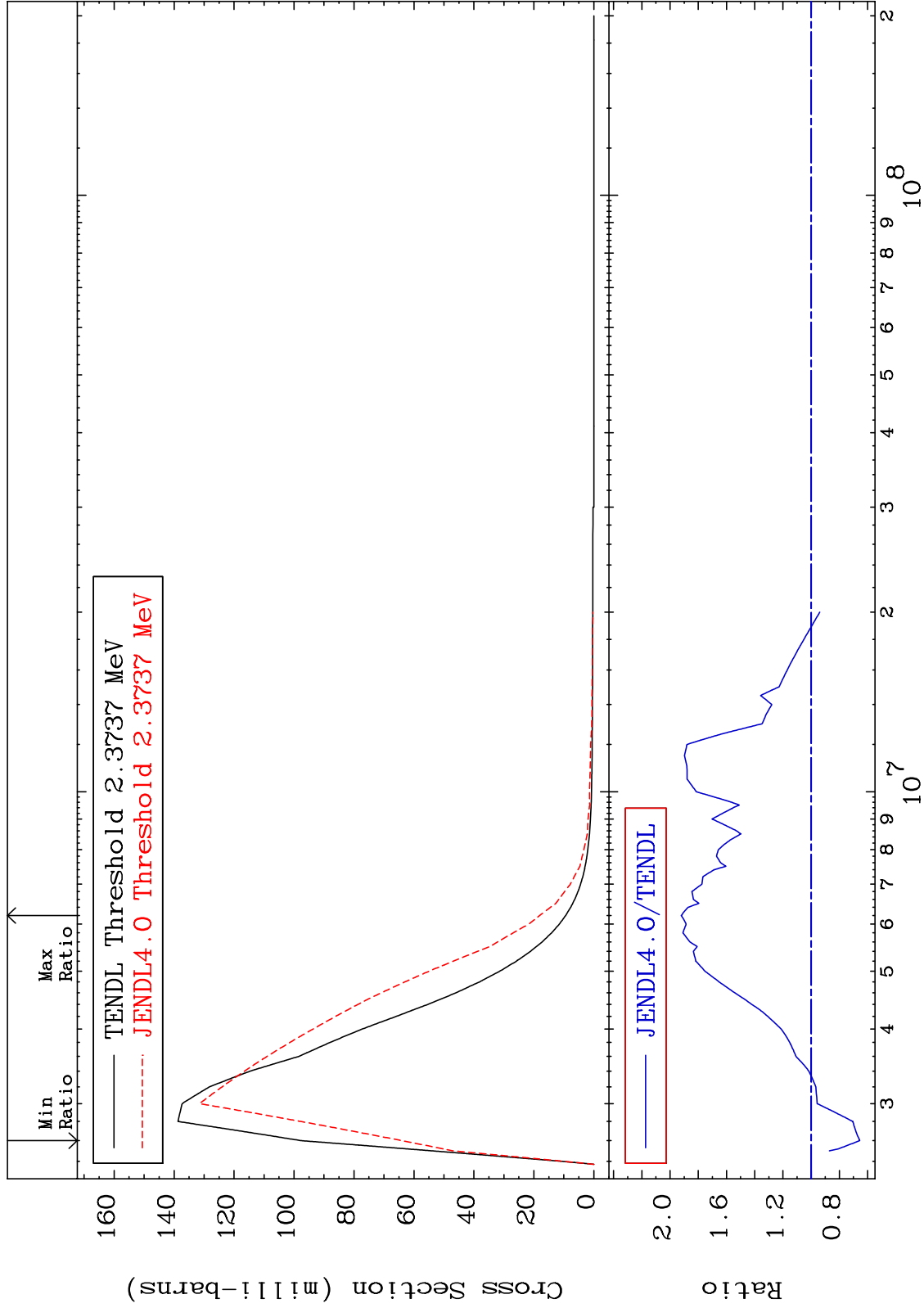
36-Kr-84
-36.71 To 70.33 %



MAT 3643

MT= 55 (n,n') Level
Cross Section

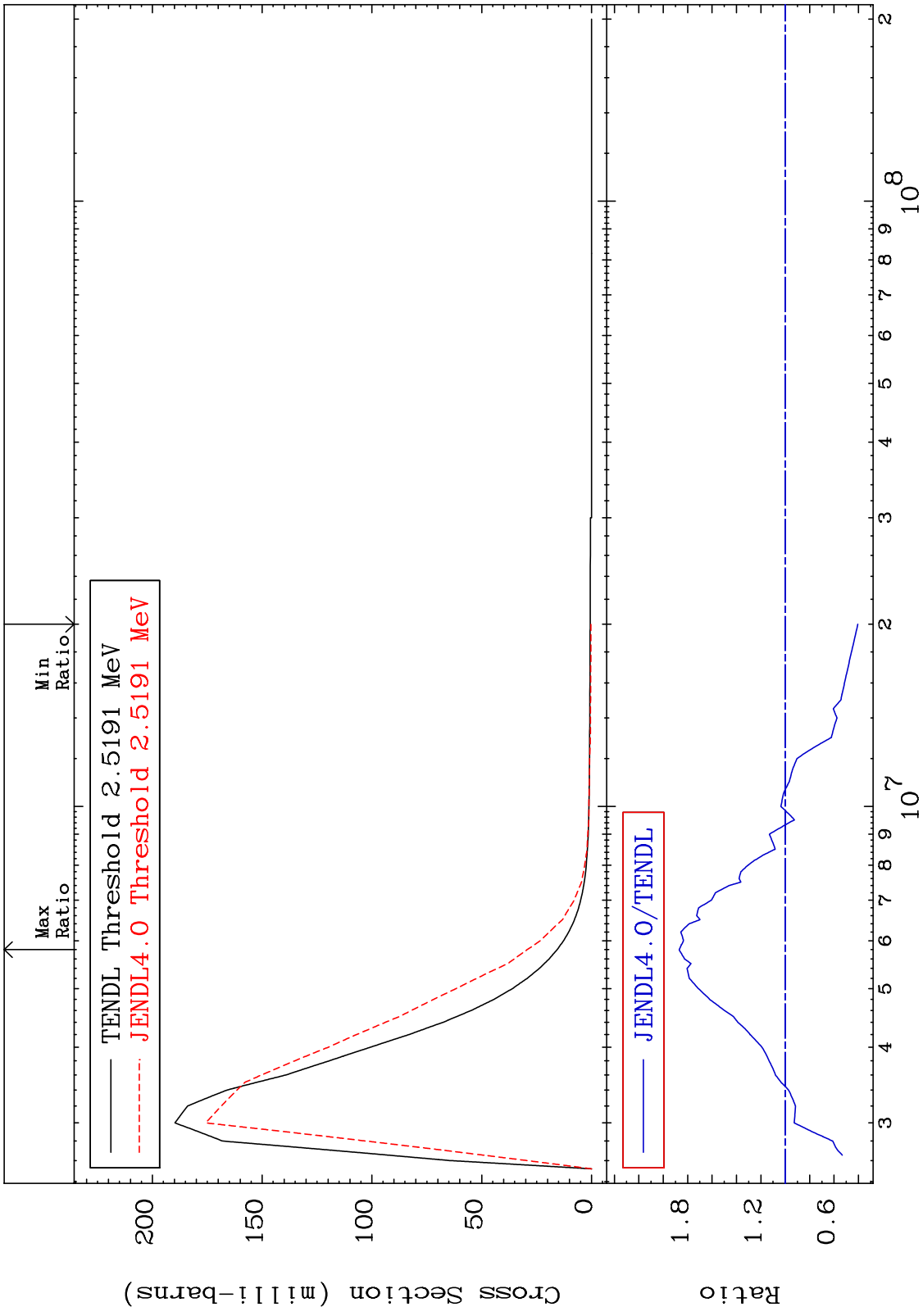
36-Kr-84
-34.45 To 92.07 %



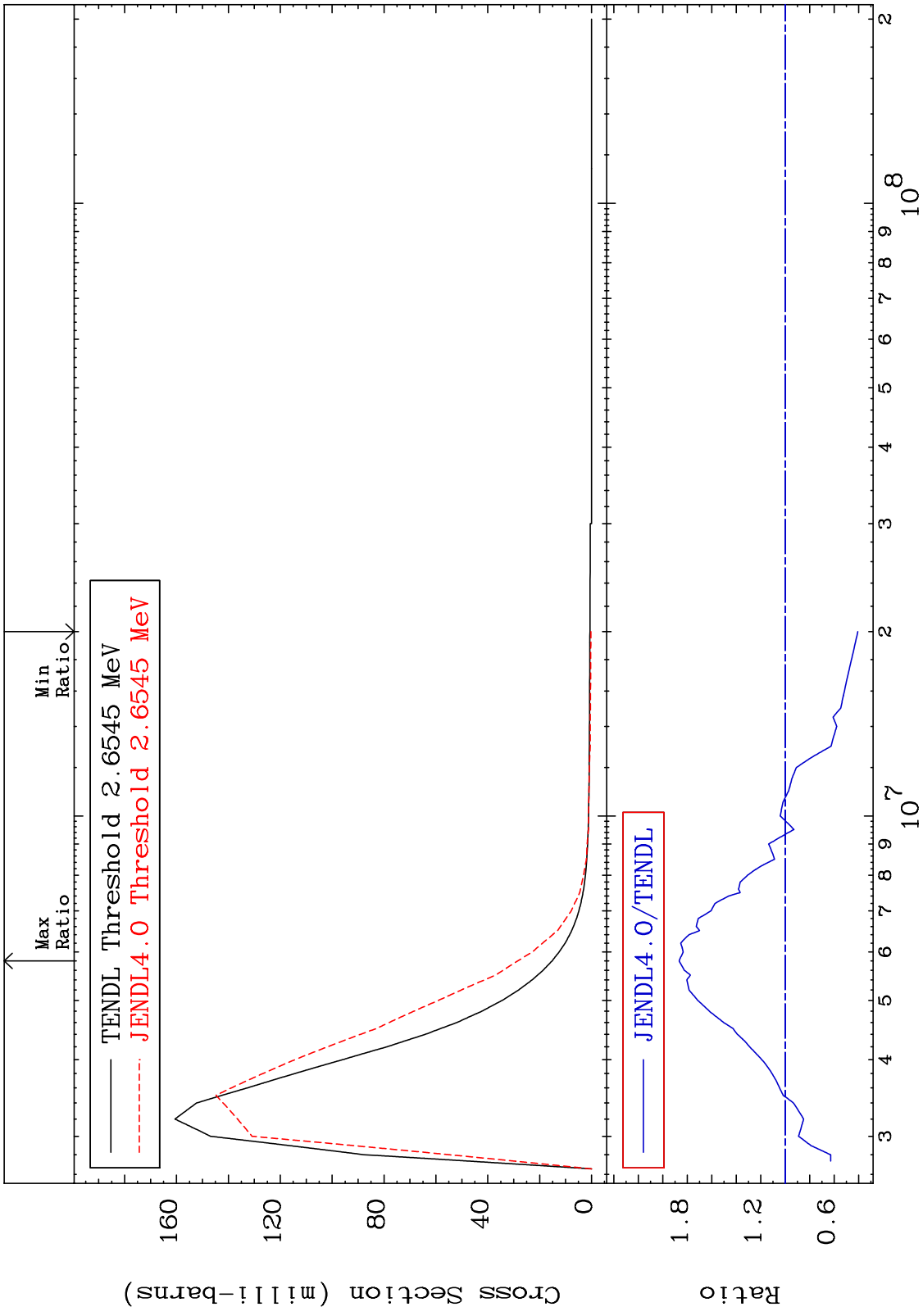
12

36-Kr-84

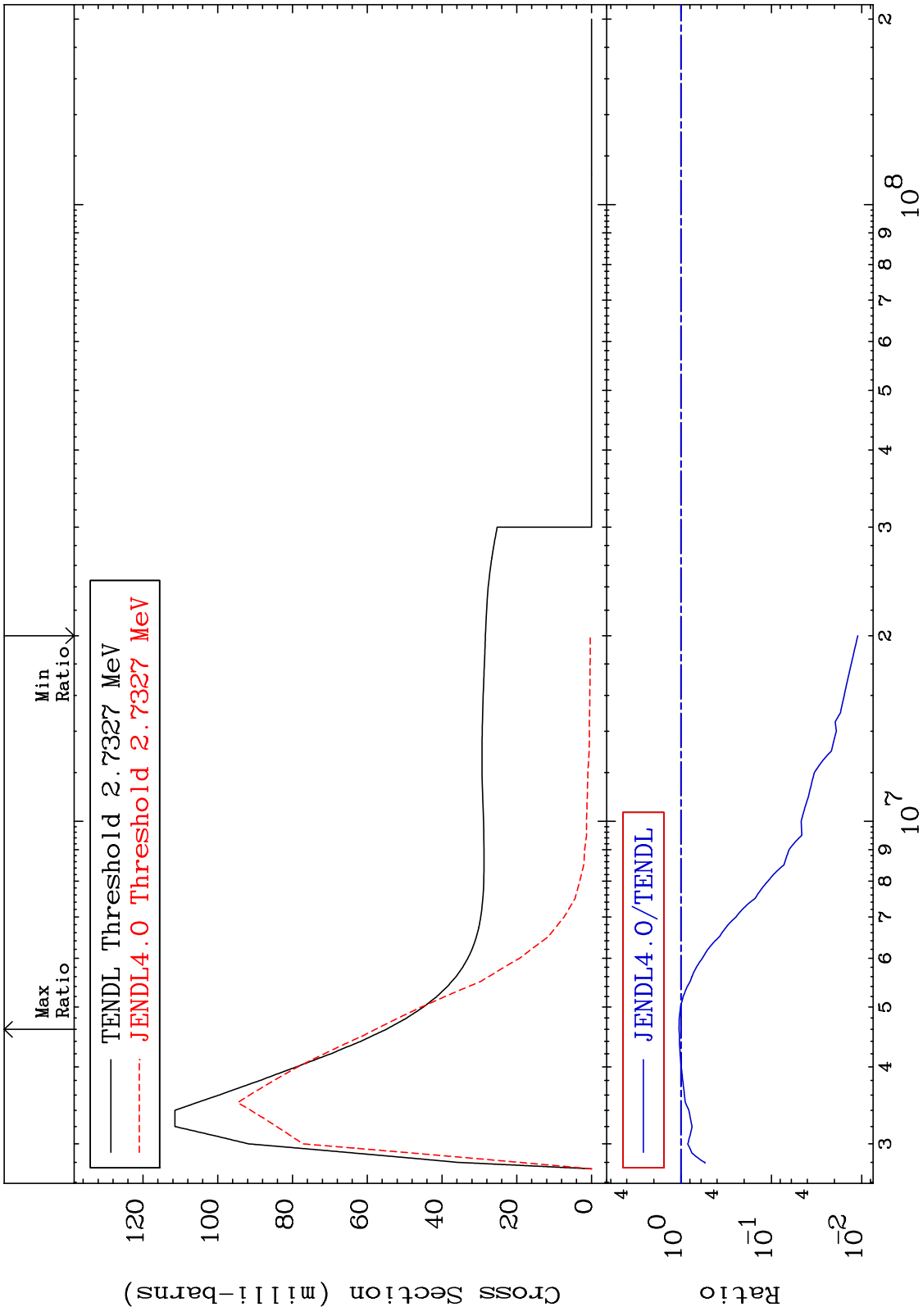
MAT 3643 MT= 56 (n,n') Level Cross Section -59.49 To 87.04 % 36-Kr-84



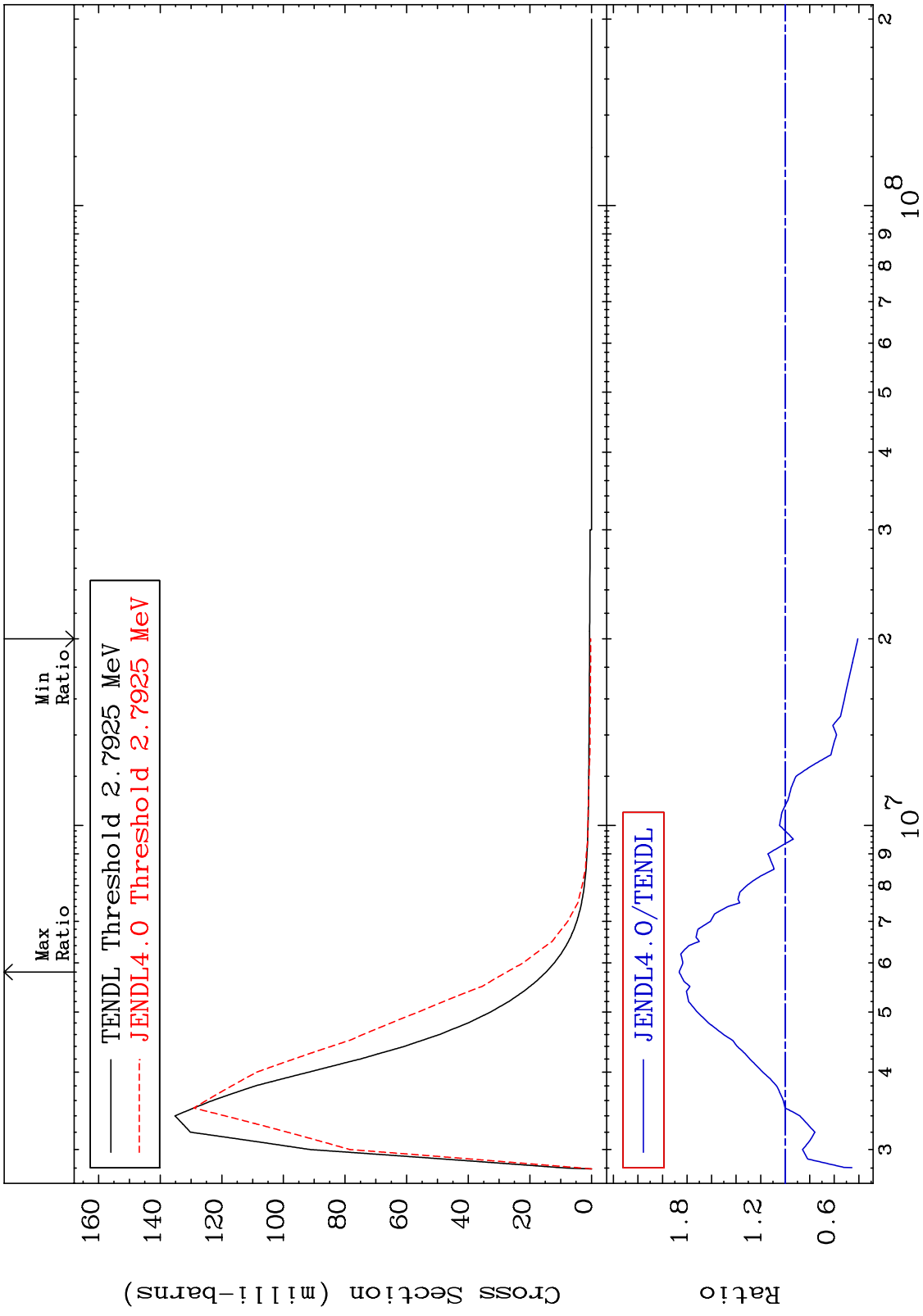
MAT 3643 MT= 57 (n,n') Level Cross Section 36-Kr-84
 -59.36 To 86.76 %



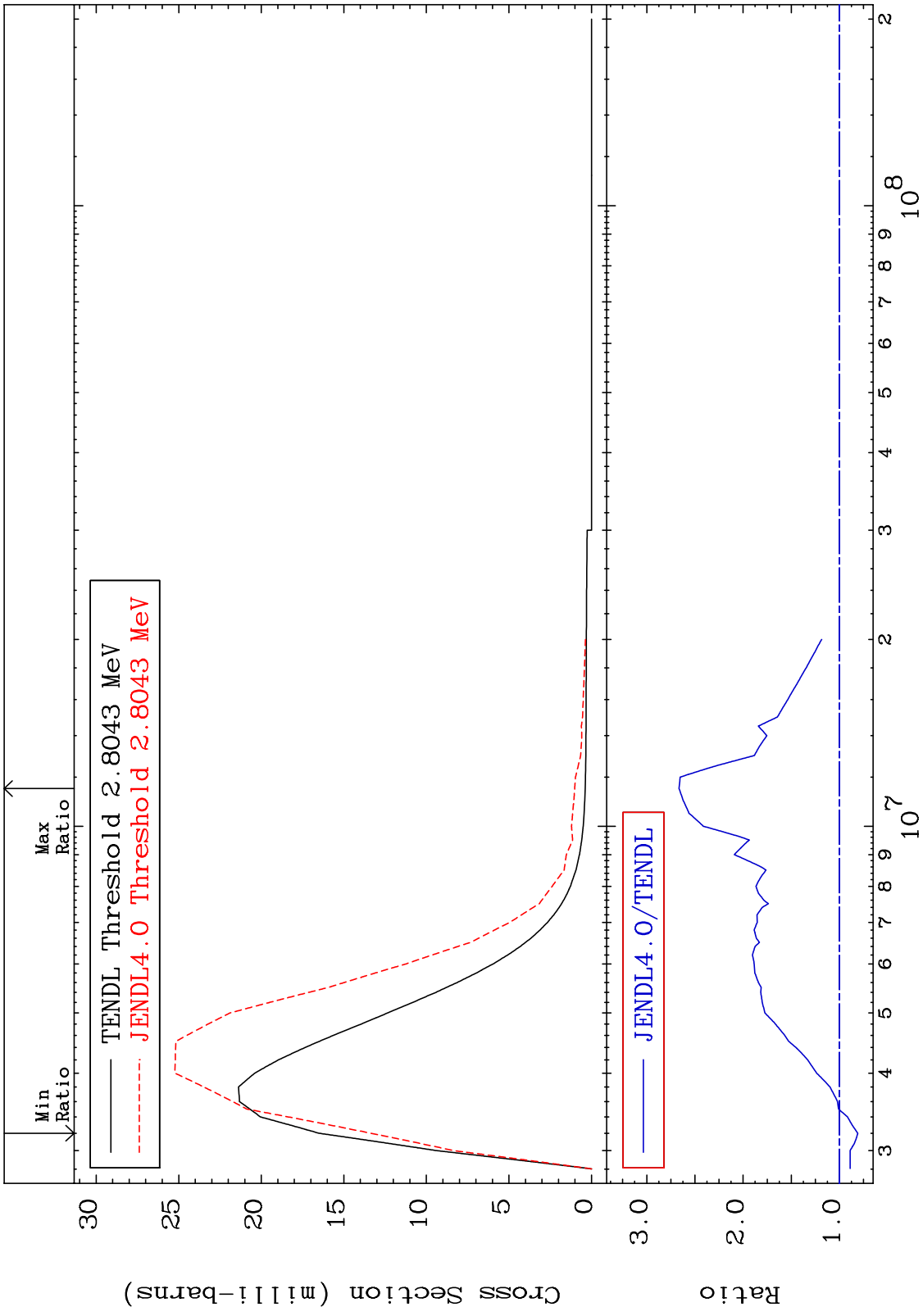
MAT 3643 MT= 58 (n,n') Level Cross Section 36-Kr-84
 -98.90 To 5.240 %



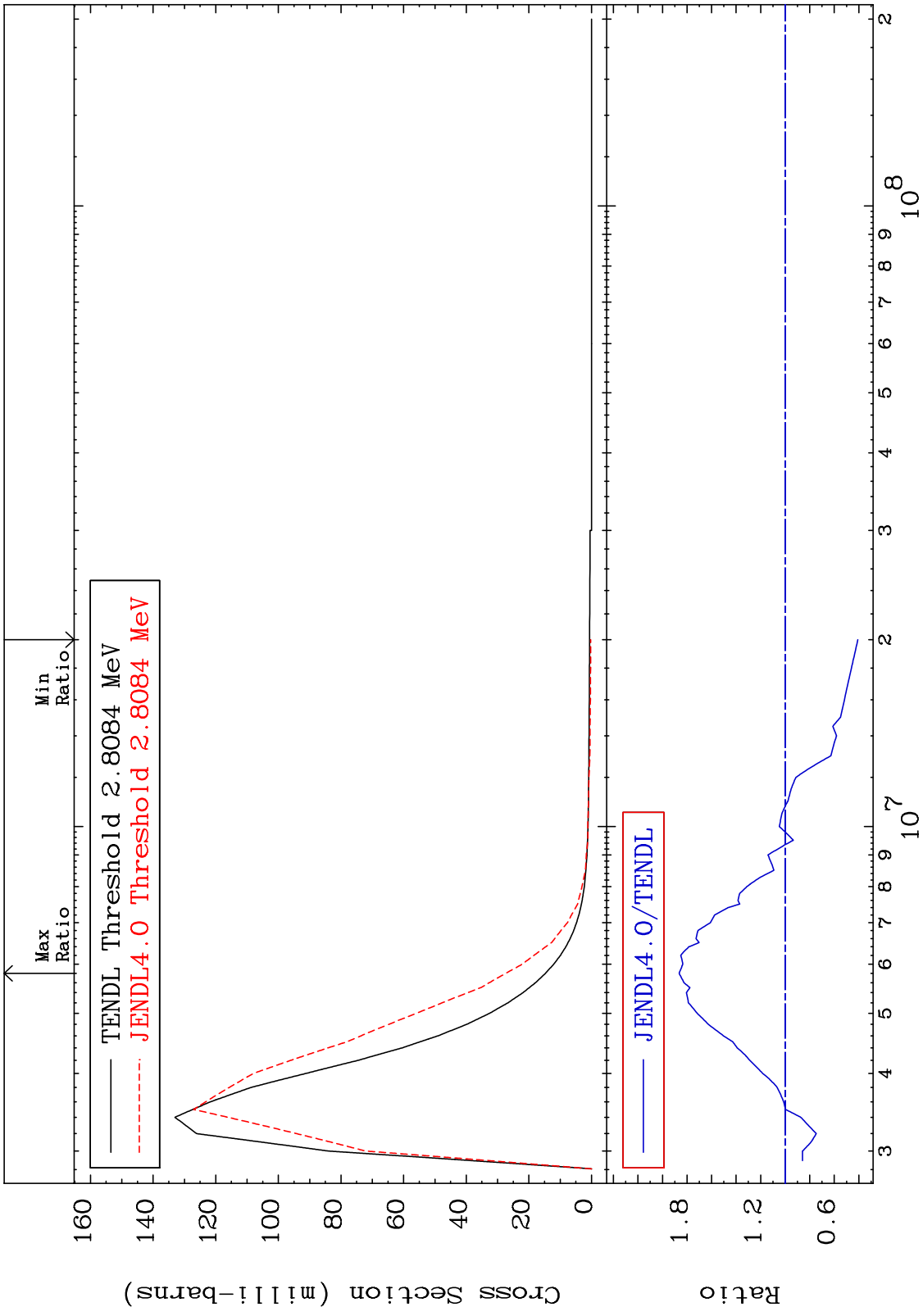
MAT 3643 MT= 59 (n,n') Level Cross Section 36-Kr-84
 -59.22 To 86.51 %



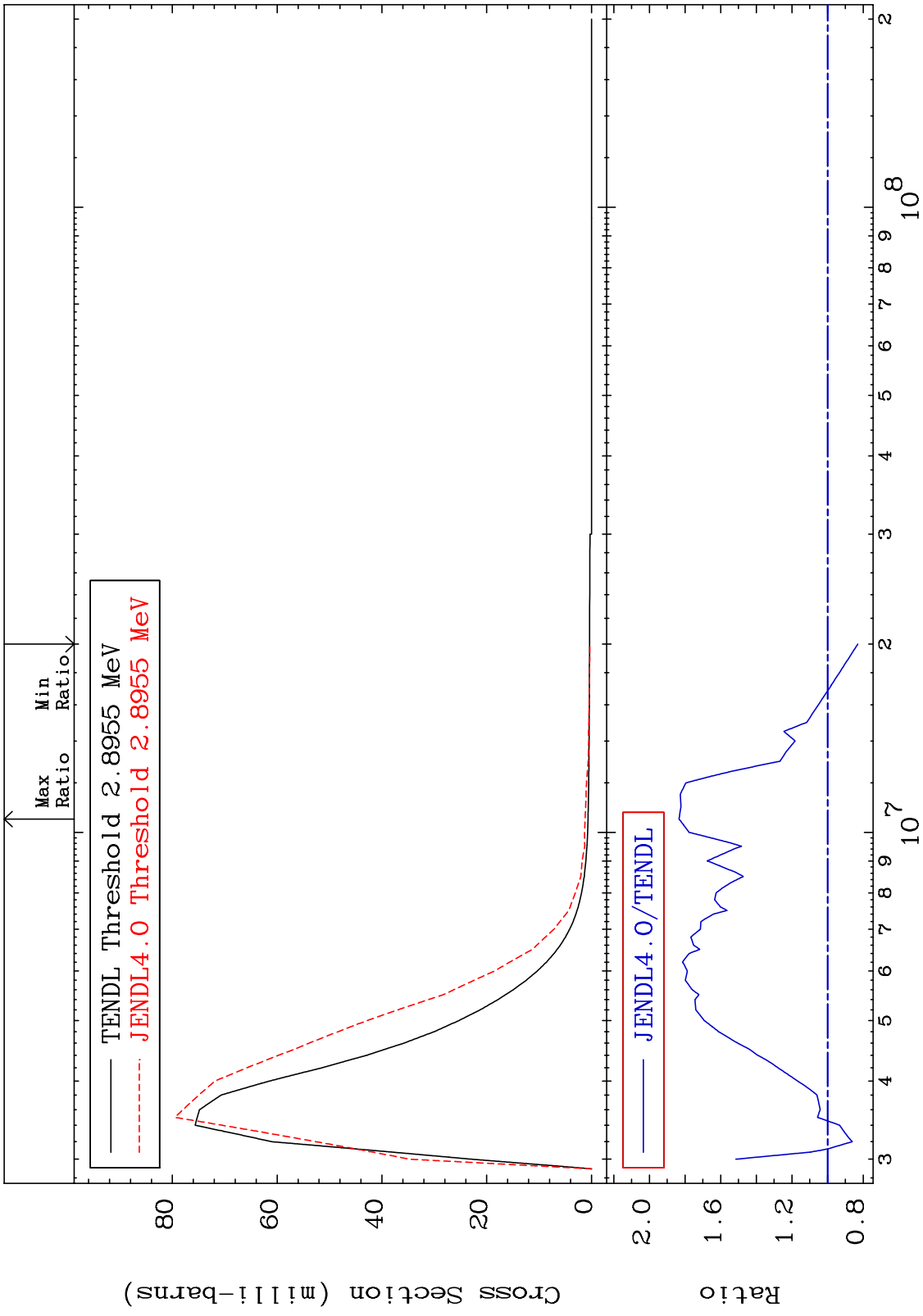
MAT 3643 MT= 60 (n,n') Level Cross Section -19.08 To 166.5 % 36-Kr-84



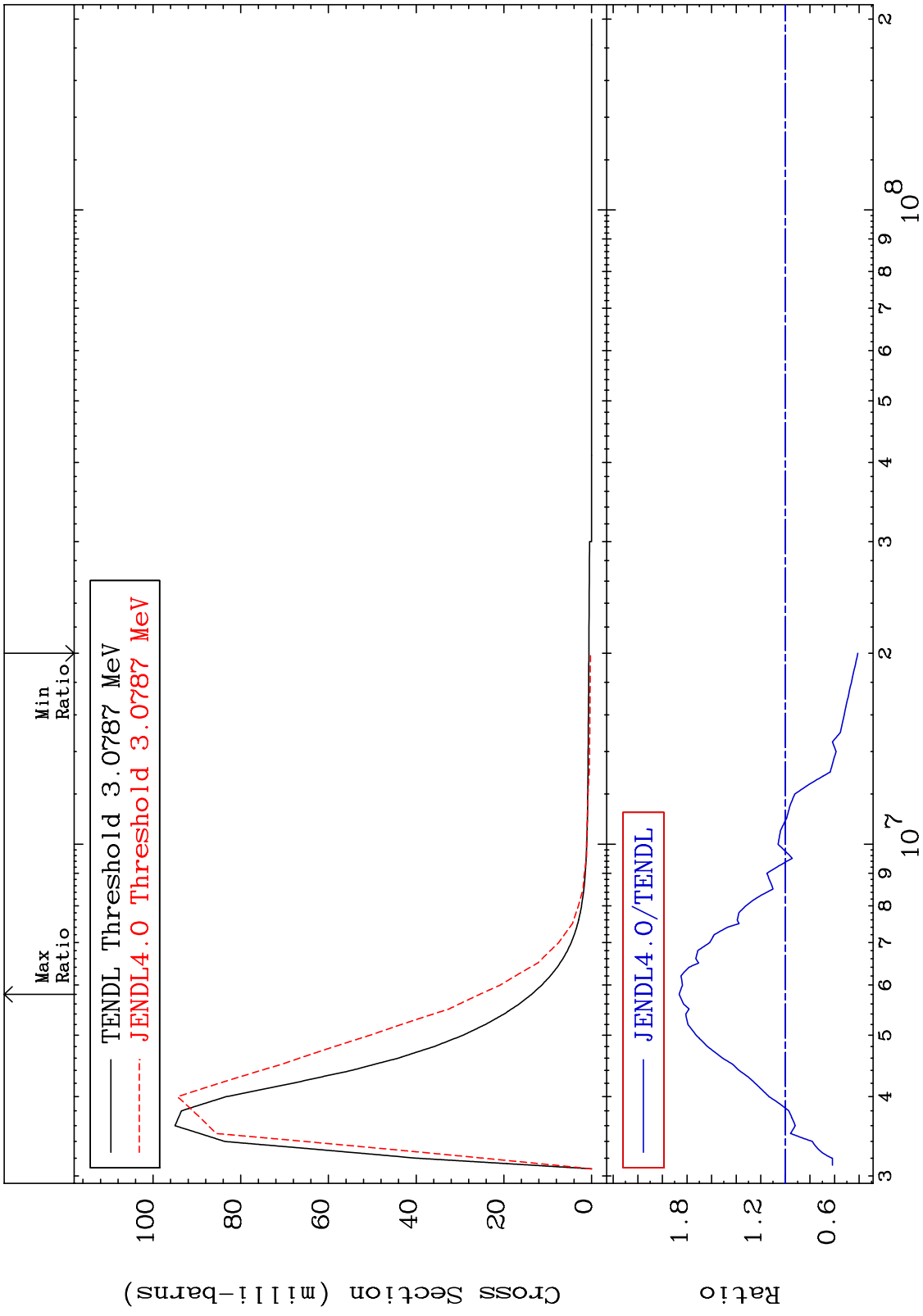
MAT 3643 MT= 61 (n,n') Level Cross Section -59.20 To 86.50 % 36-Kr-84



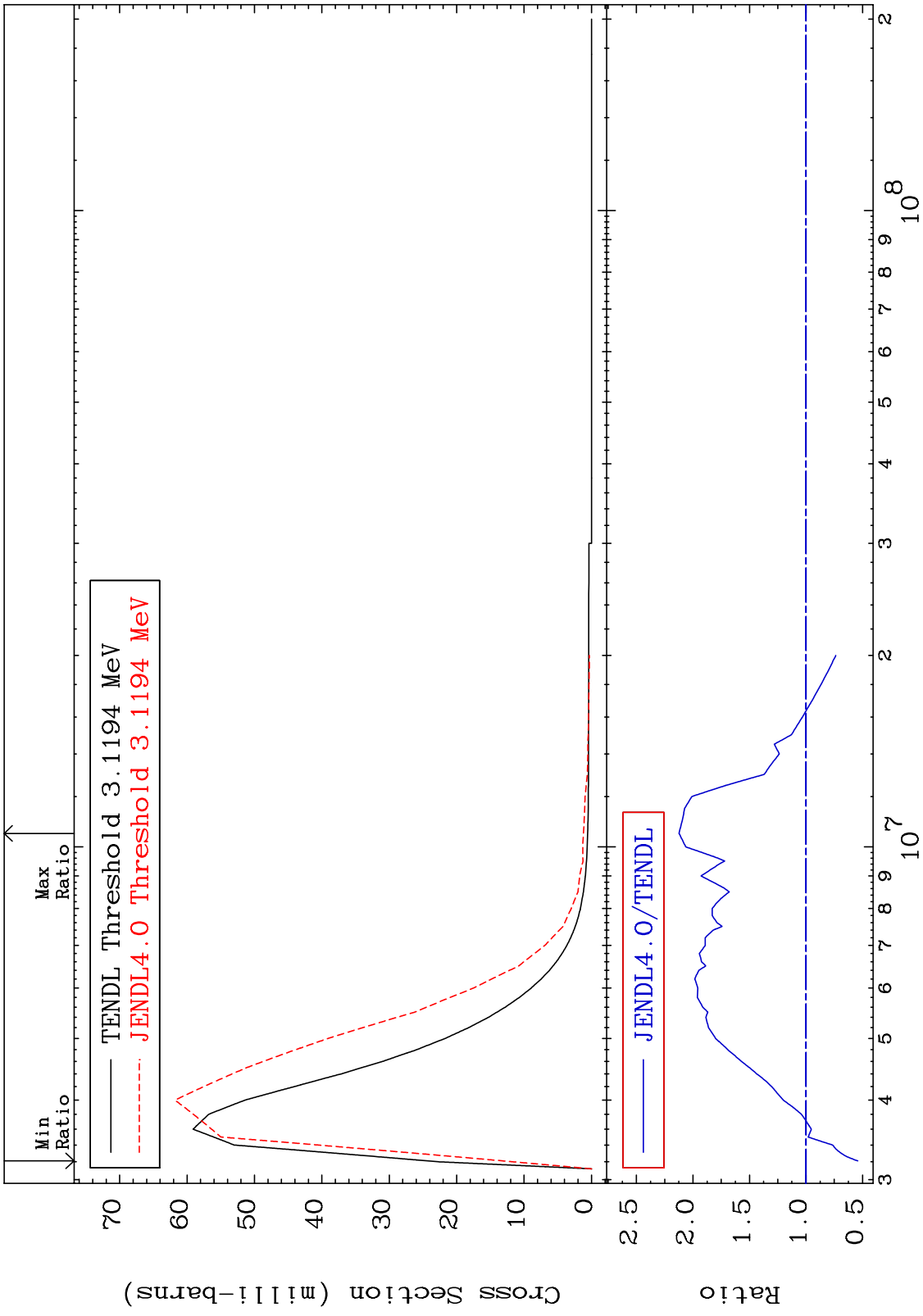
MAT 3643 MT= 62 (n,n') Level Cross Section 36-Kr-84
 -16.96 To 83.38 %



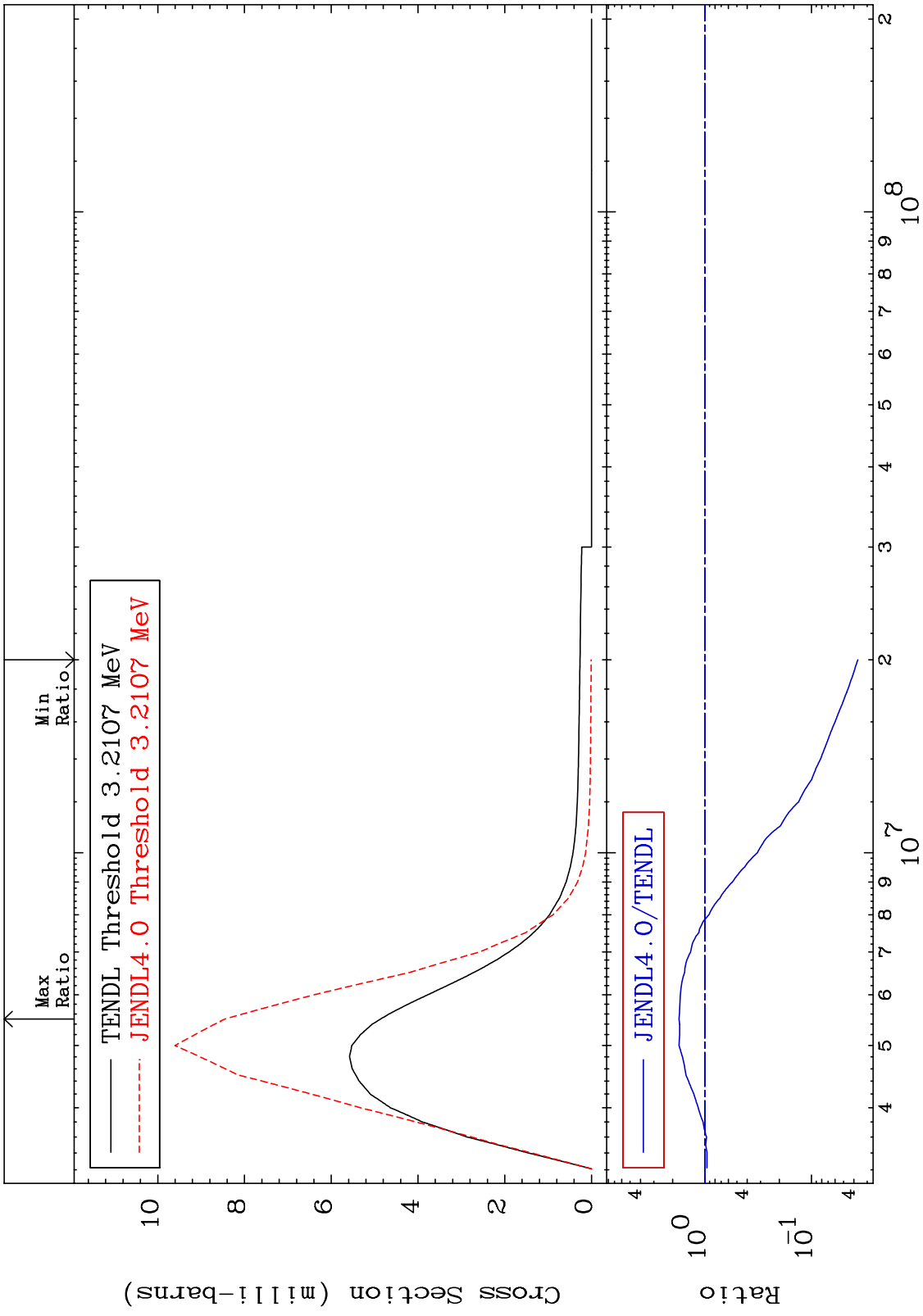
MAT 3643 MT= 63 (n,n') Level Cross Section -58.91 To 86.45 % 36-Kr-84



MAT 3643 MT= 64 (n,n') Level Cross Section 36-Kr-84
 -45.83 To 112.3 %



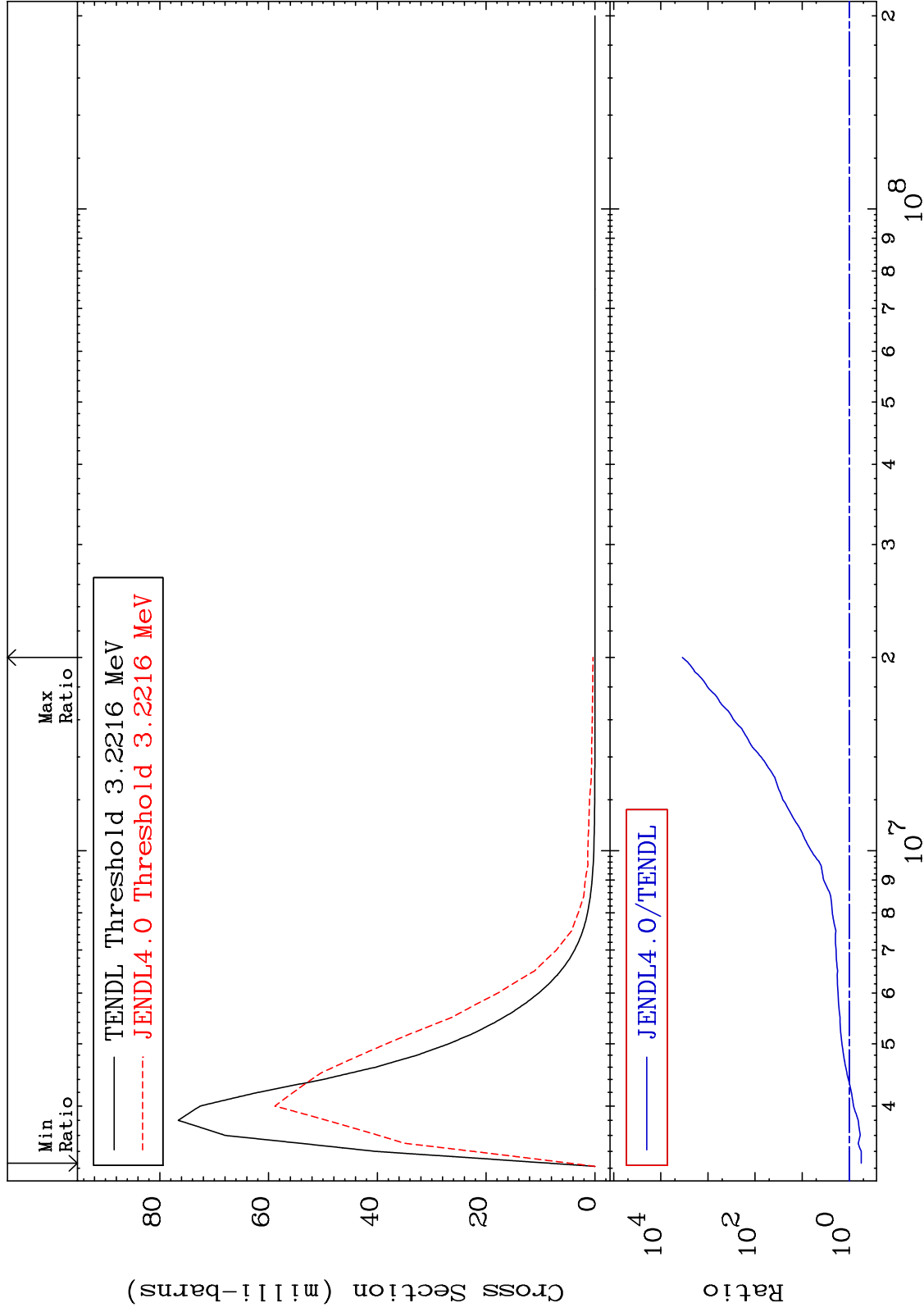
MAT 3643 MT= 65 (n,n') Level Cross Section 36-Kr-84
 -96.32 To 73.93 %



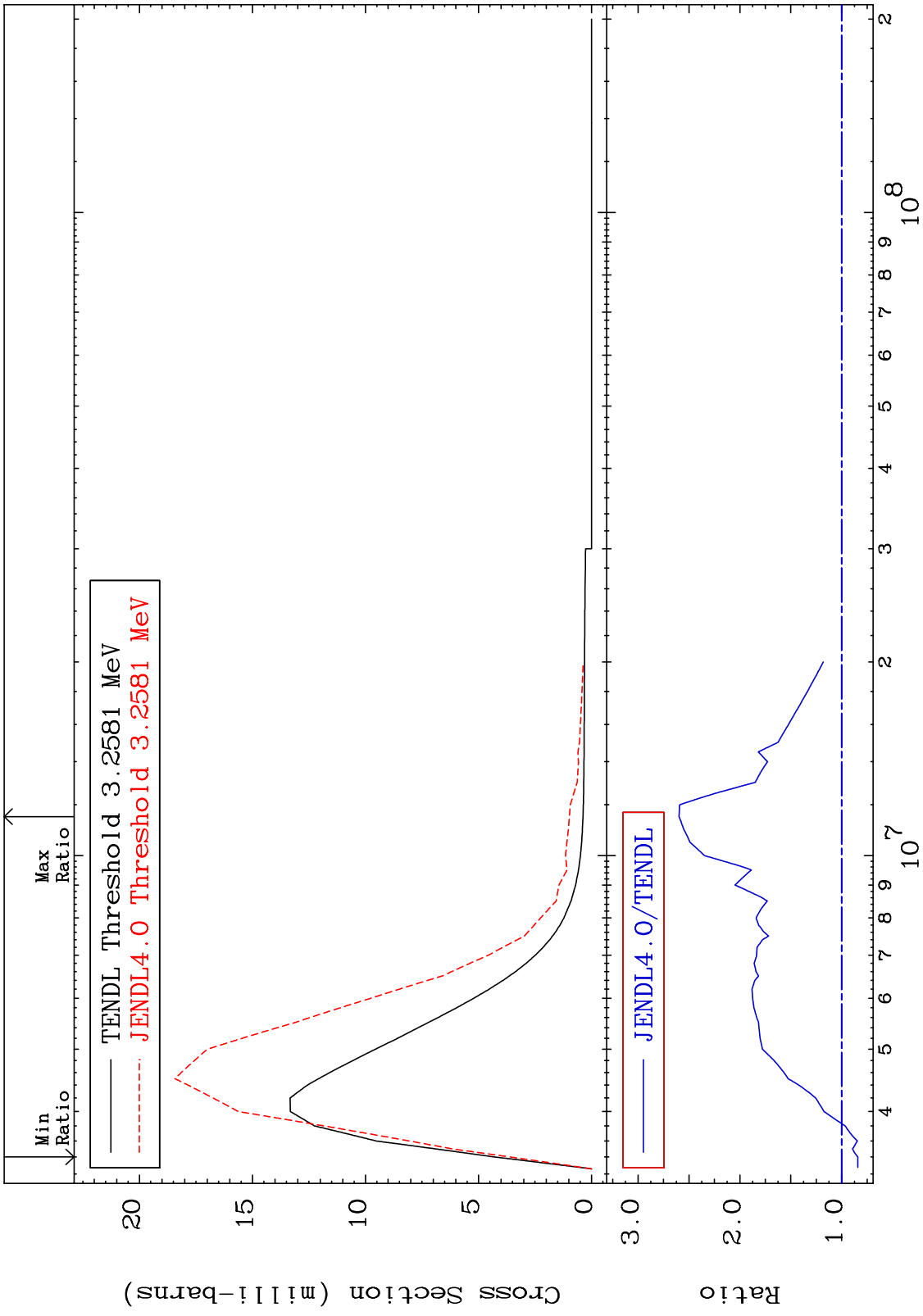
MAT 3643

MT= 66 (n,n') Level
Cross Section

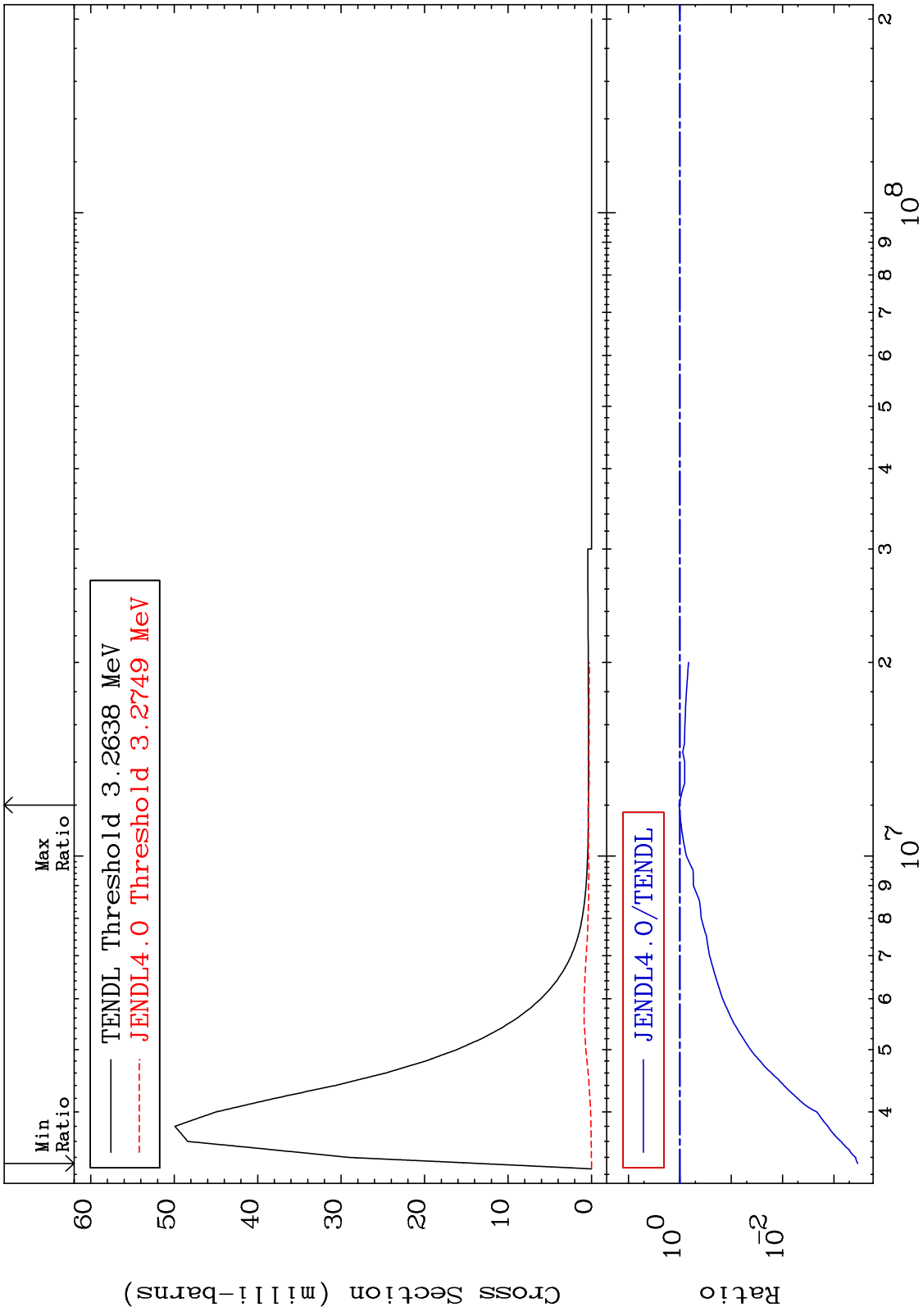
36-Kr-84
-44.55 To 9999. %



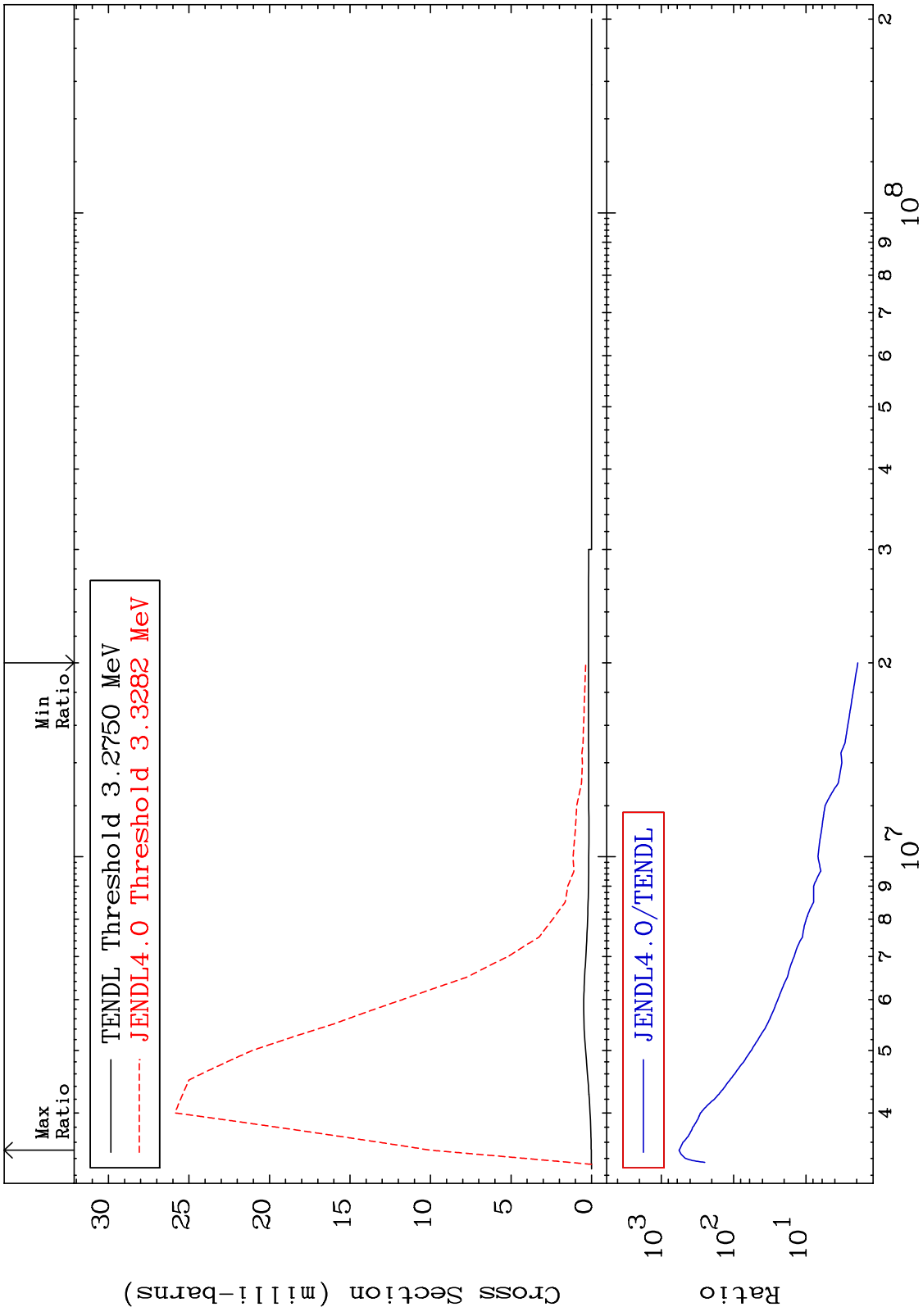
MAT 3643 MT= 67 (n,n') Level 36-Kr-84
 Cross Section -15.87 To 159.8 %



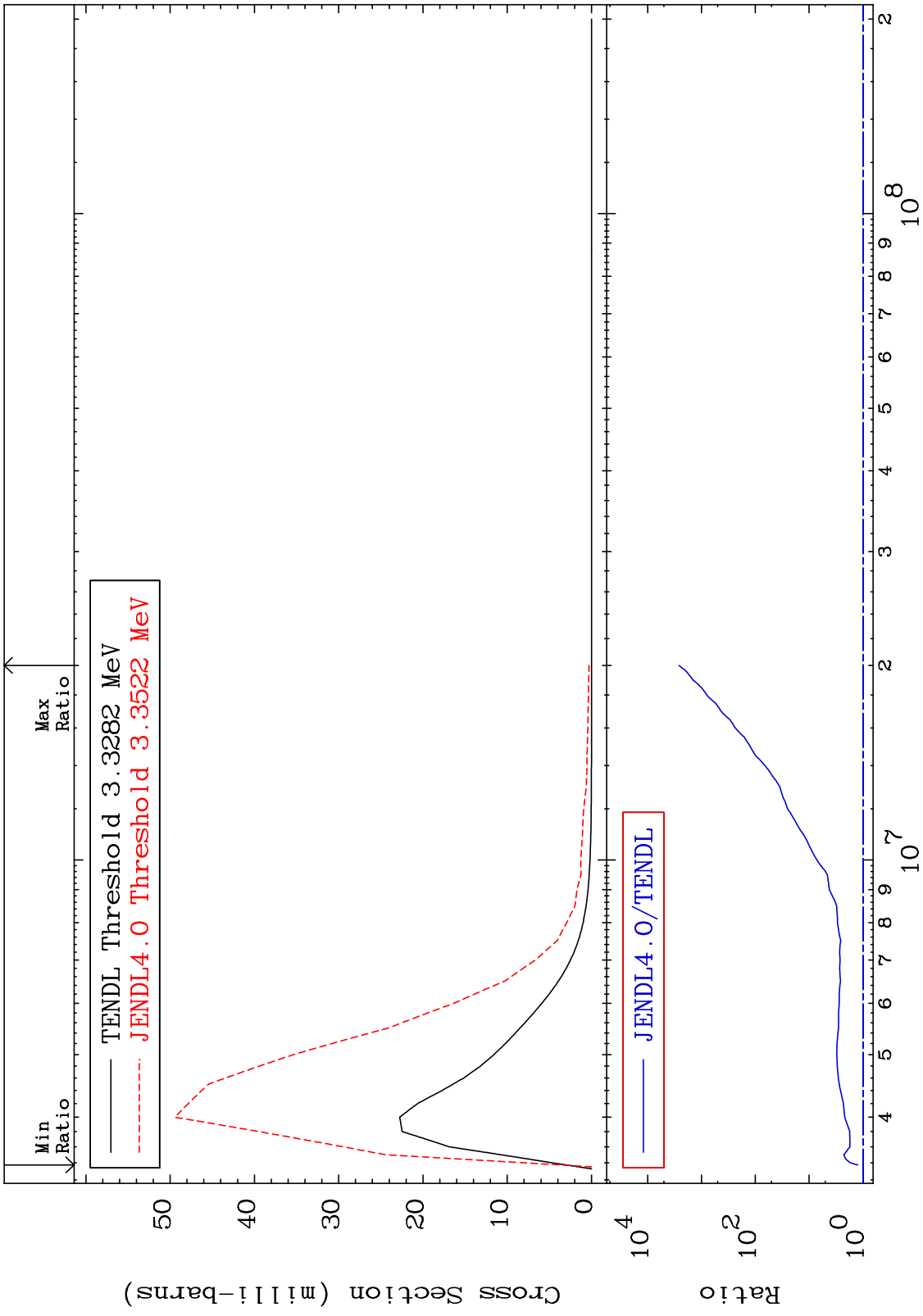
MAT 3643 MT= 68 (n,n') Level Cross Section -99.97 To 3.770 % 36-Kr-84



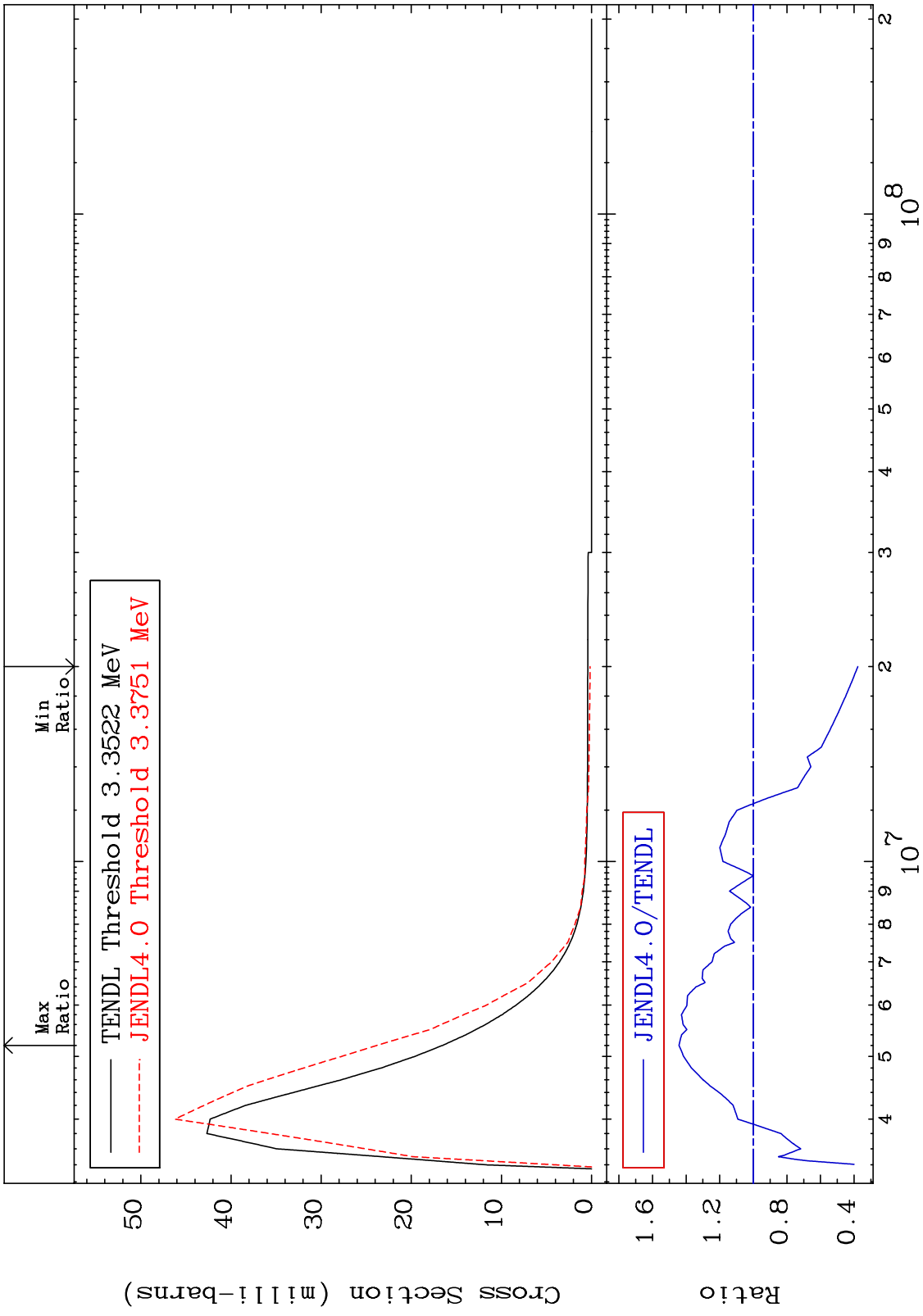
MAT 3643 MT= 69 (n,n') Level Cross Section 92.38 To 9999. % 36-Kr-84



MAT 3643 MT= 70 (n,n') Level Cross Section 36-Kr-84 24.45 To 9999. %



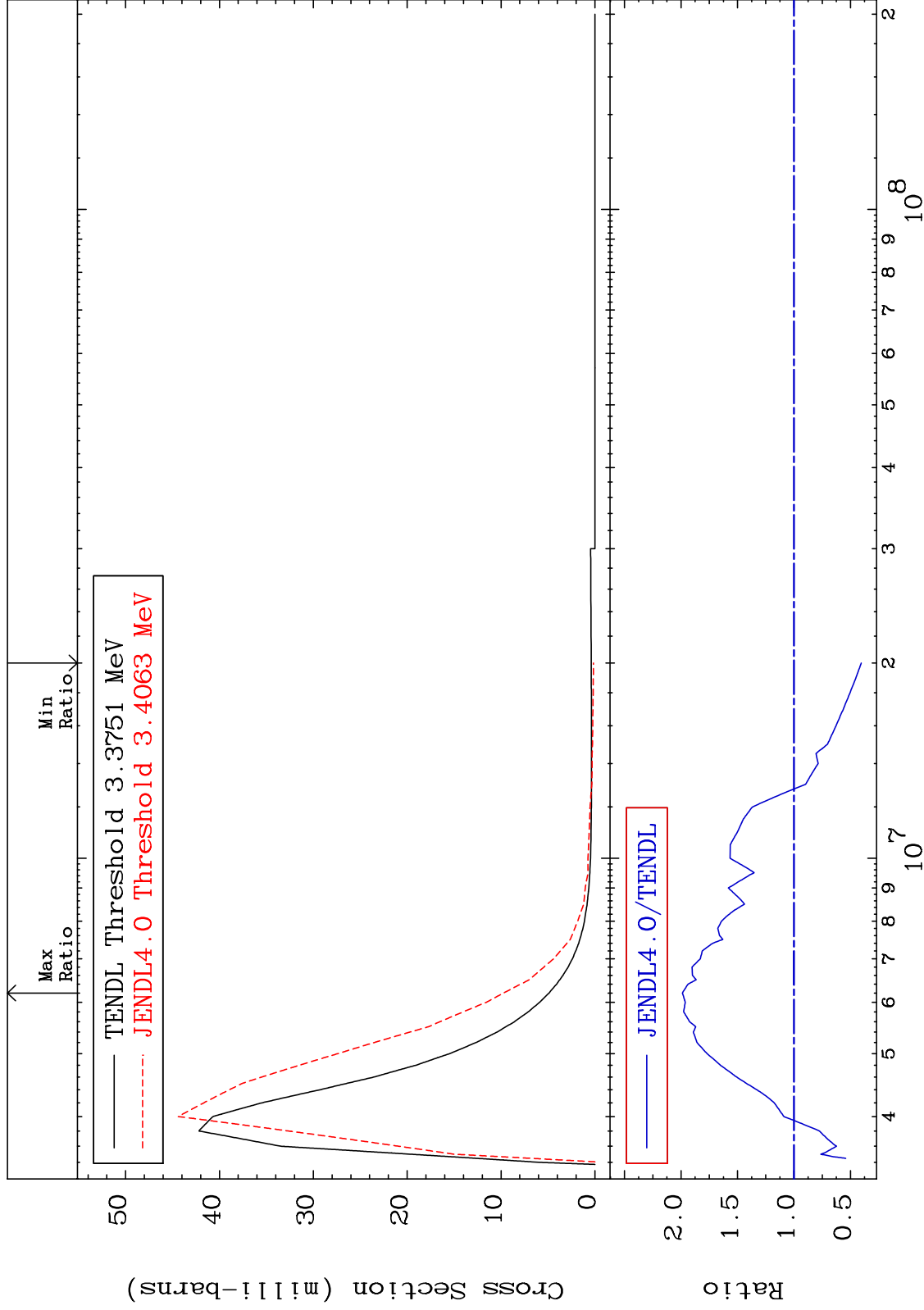
MAT 3643 MT= 71 (n,n') Level Cross Section -62.21 To 44.20 % 36-Kr-84



MAT 3643

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

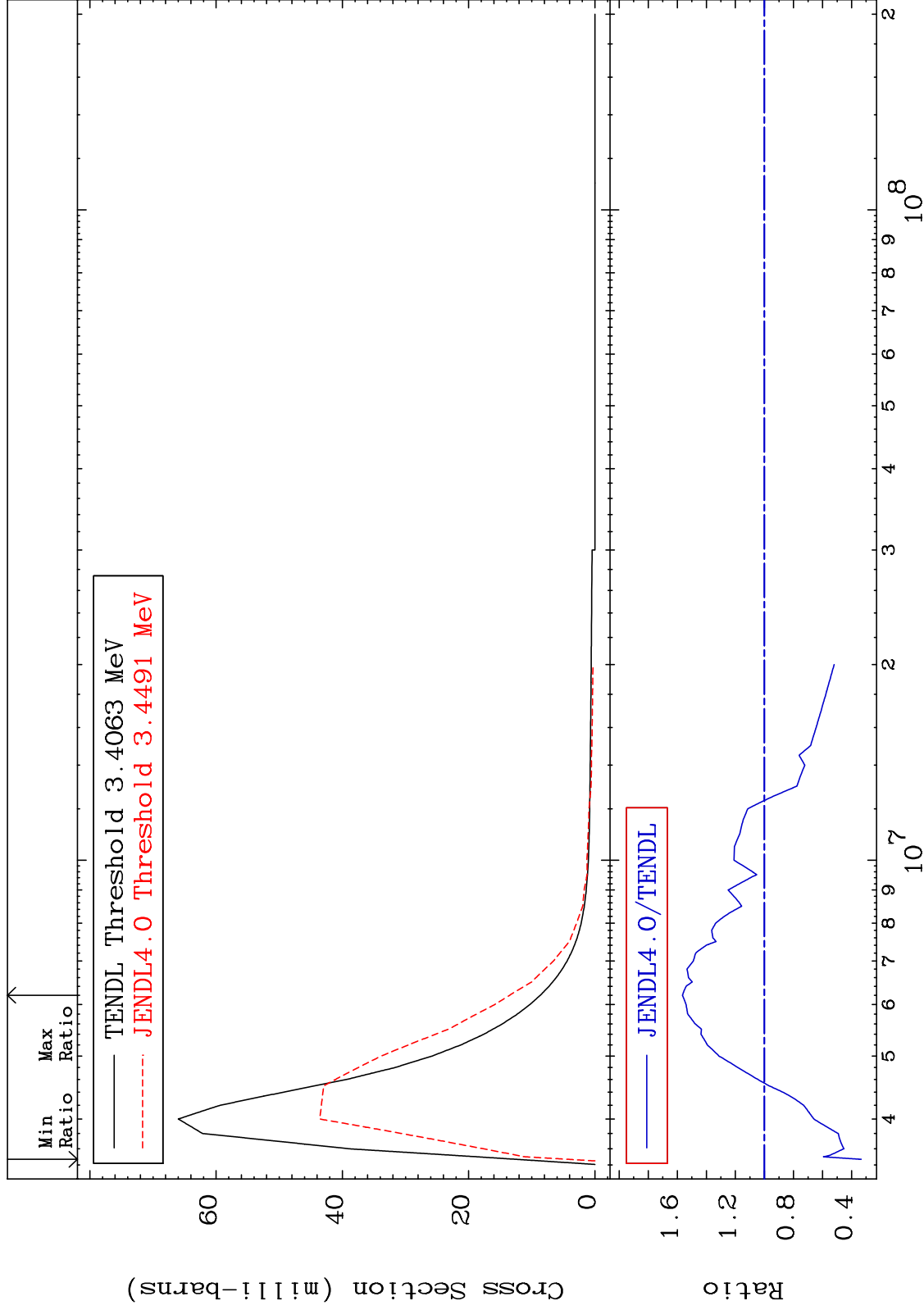
36-Kr-84
-59.55 To 98.73 %



MAT 3643

MT= 73 (n,n') Level
Cross Section

36-Kr-84
-66.66 To 56.44 %

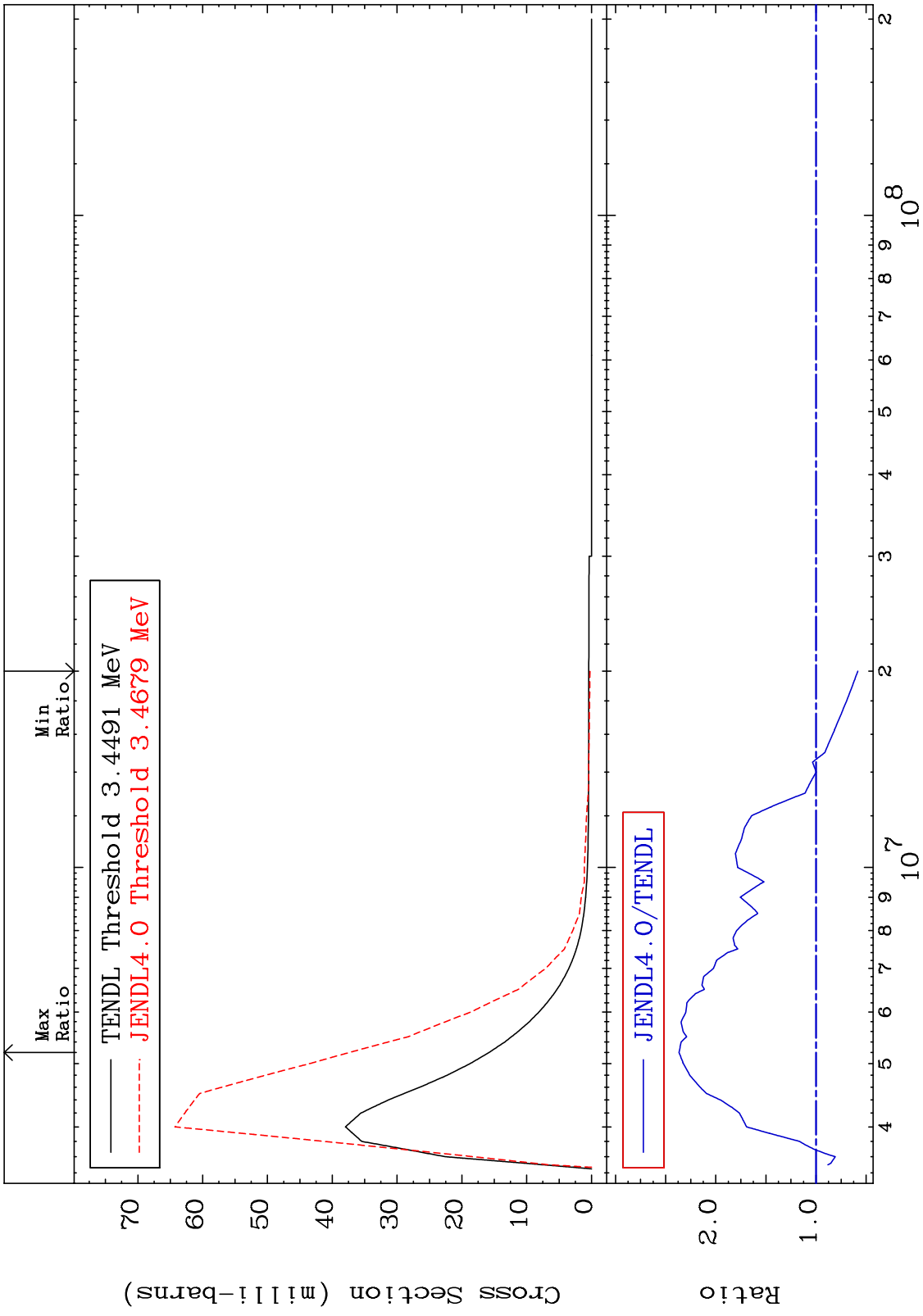


30

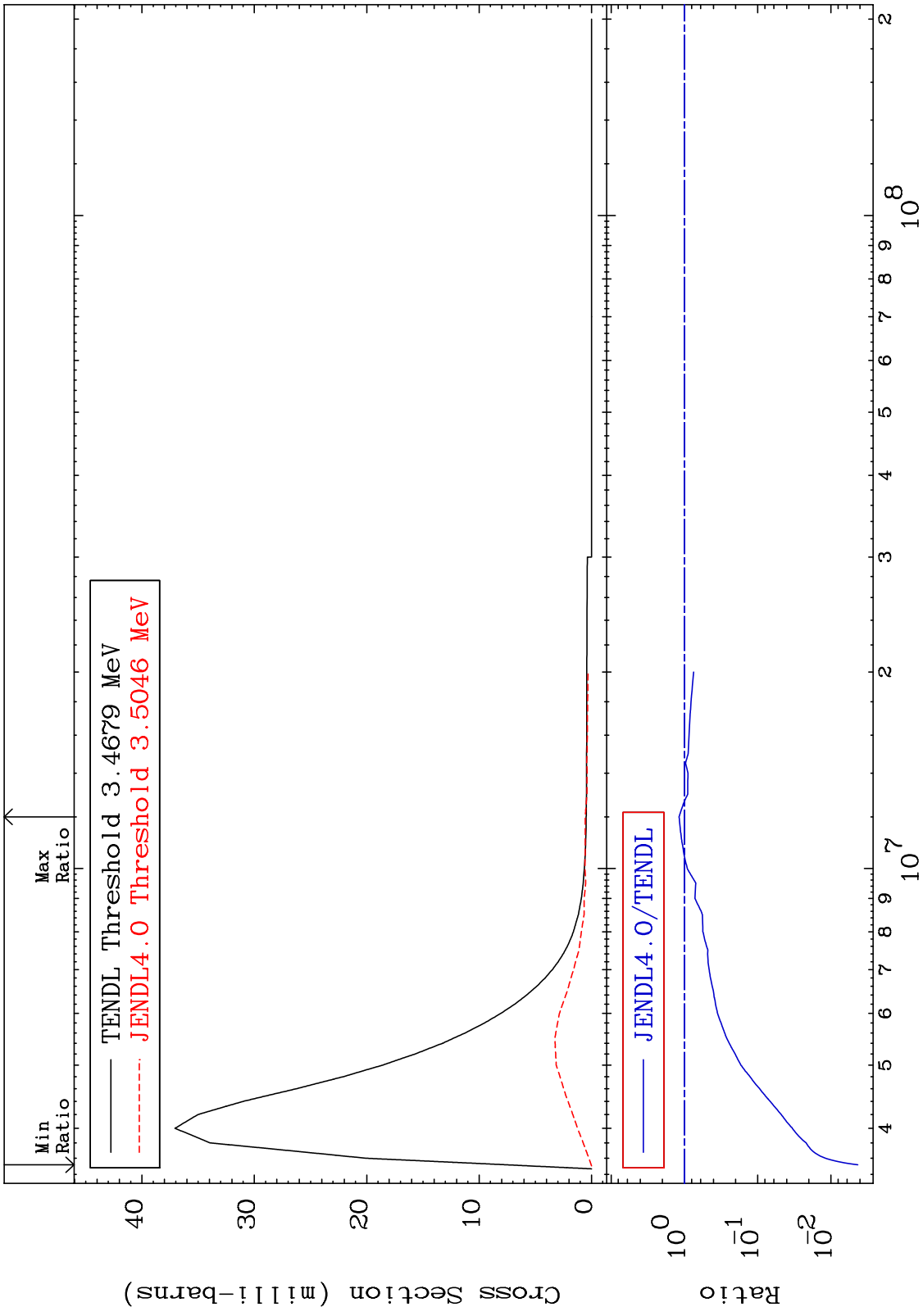
Incident Energy (eV)

36-Kr-84

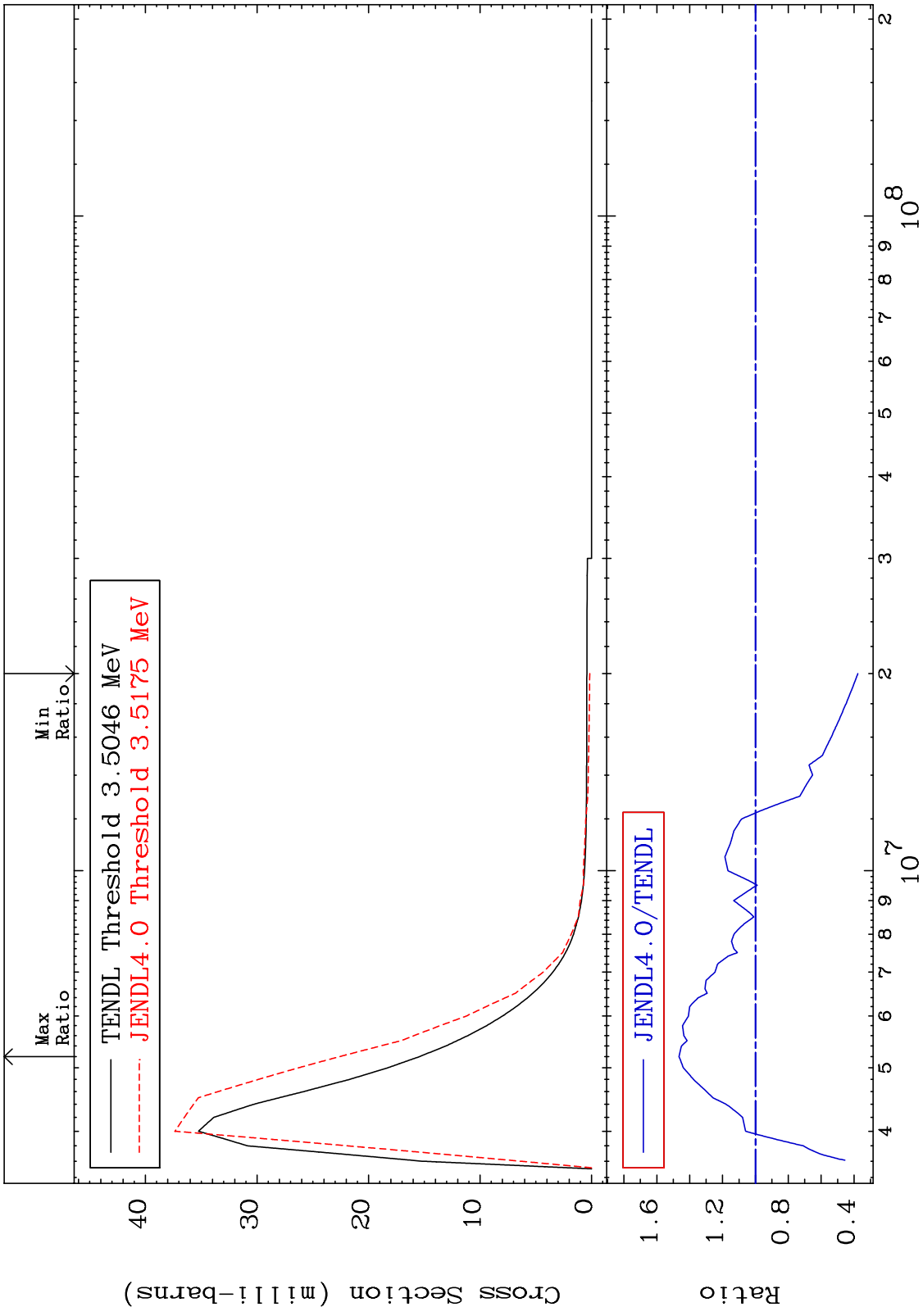
MAT 3643 MT= 74 (n,n') Level Cross Section 36-Kr-84
 -41.72 To 136.6 %



MAT 3643 MT= 75 (n,n') Level Cross Section 36-Kr-84
 -99.57 To 18.54 %



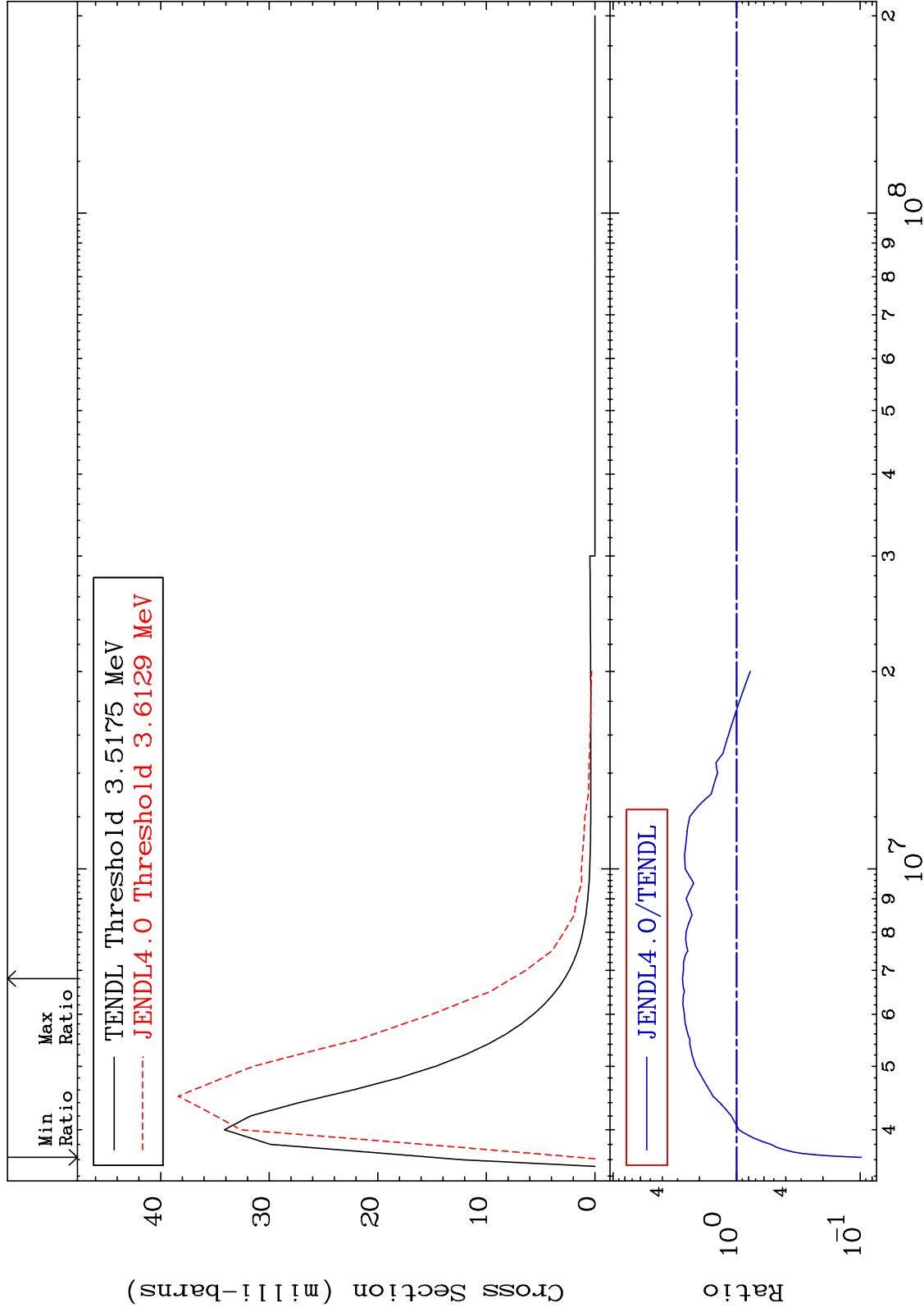
MAT 3643 MT= 76 (n,n') Level Cross Section -62.31 To 46.47 % 36-Kr-84



MAT 3643

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

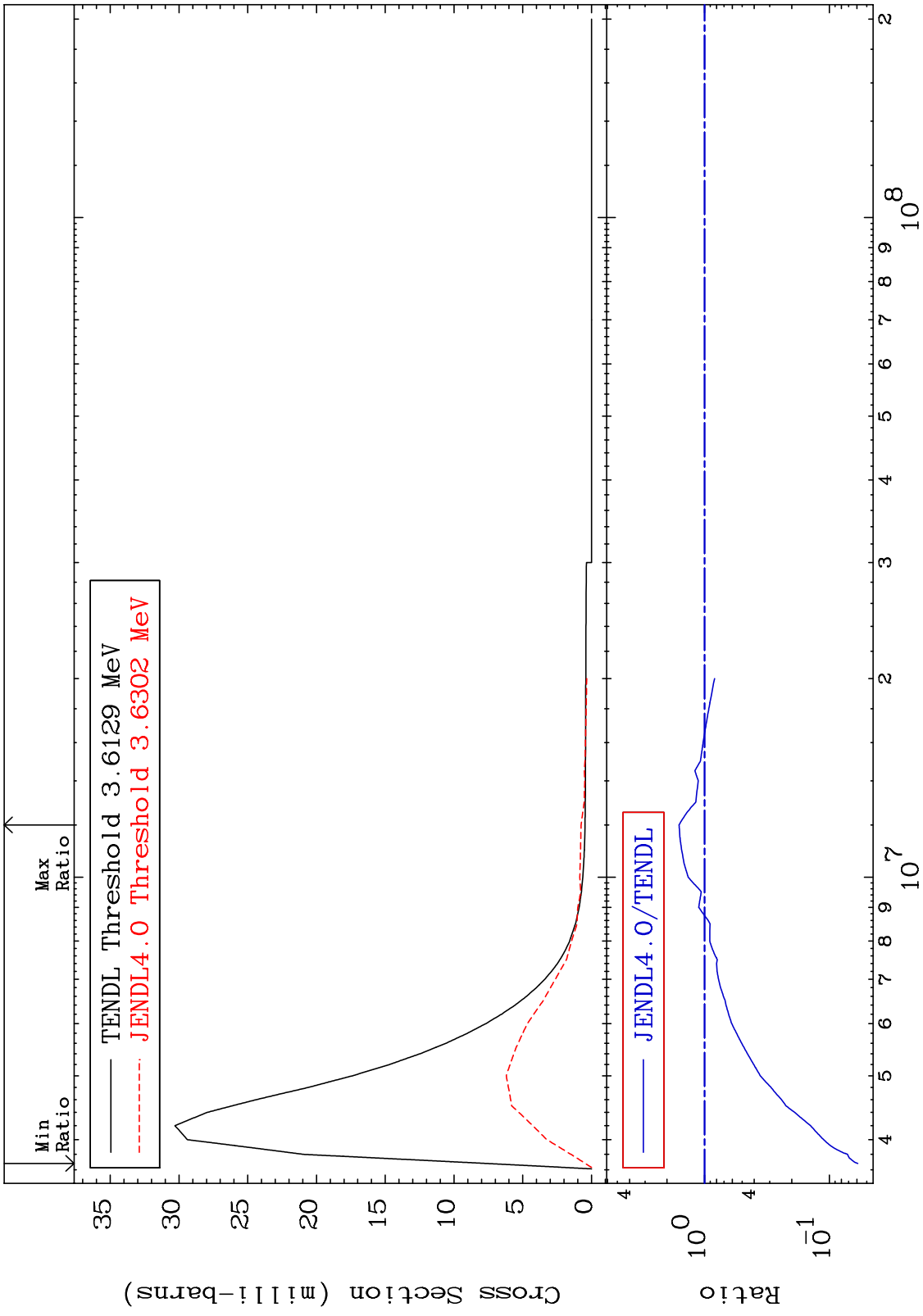
36-Kr-84
-90.21 To 174.1 %



34

36-Kr-84

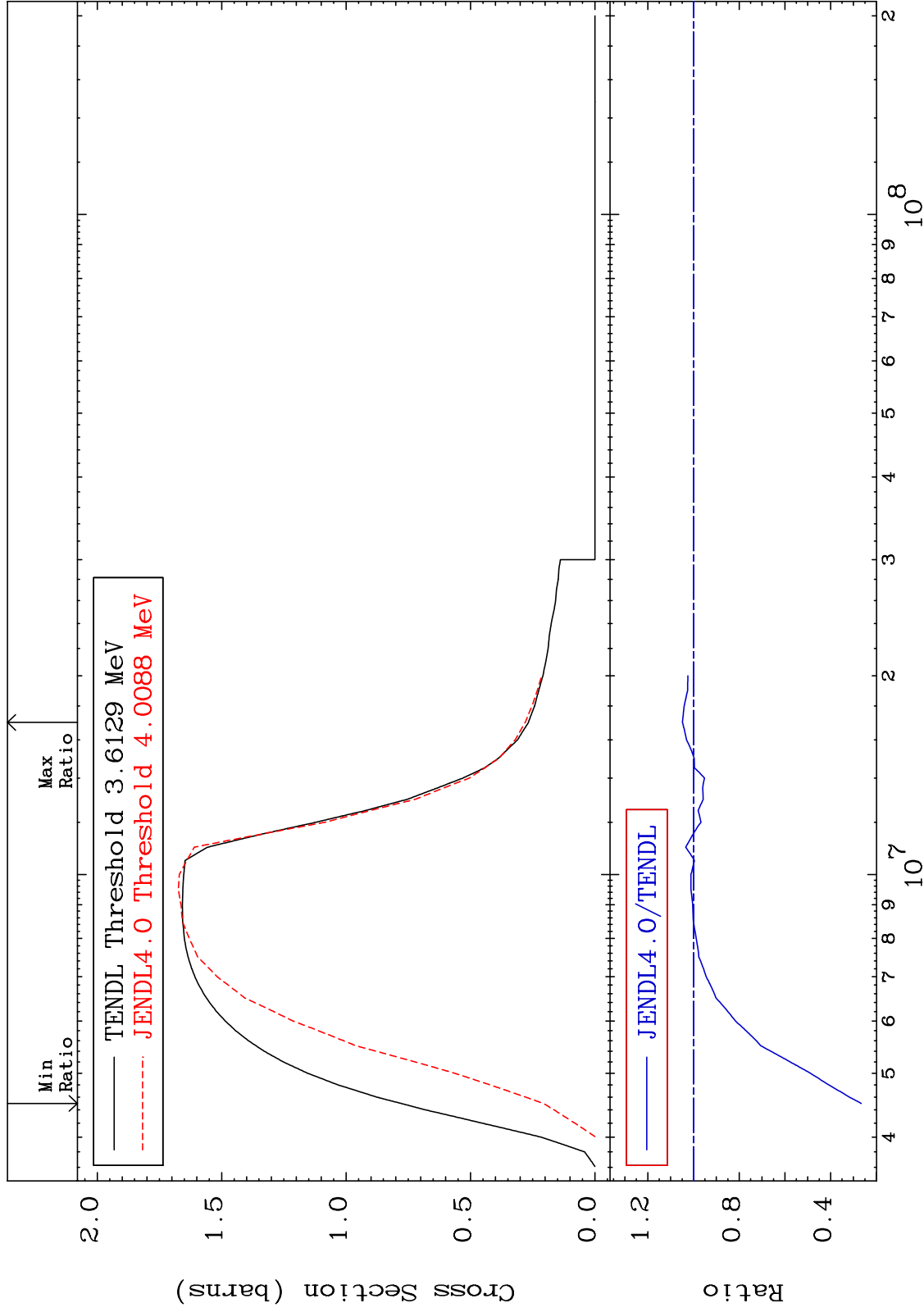
MAT 3643 MT= 78 (n,n') Level Cross Section 36-Kr-84
 -94.10 To 60.28 %



MAT 3643

(n, n') Continuum
Cross Section

36-Kr-84
-73.43 To 4.828 %



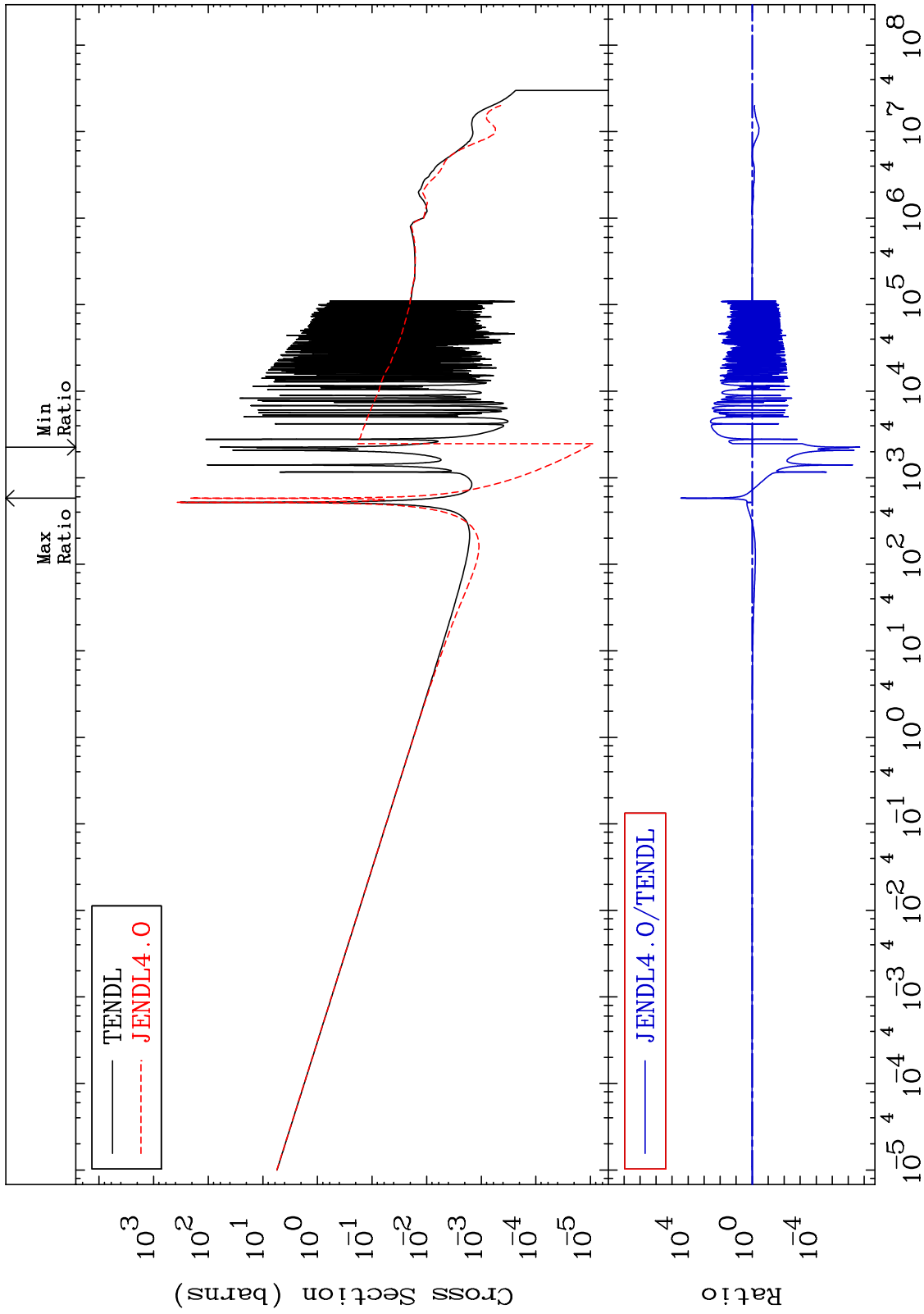
36

Incident Energy (eV)

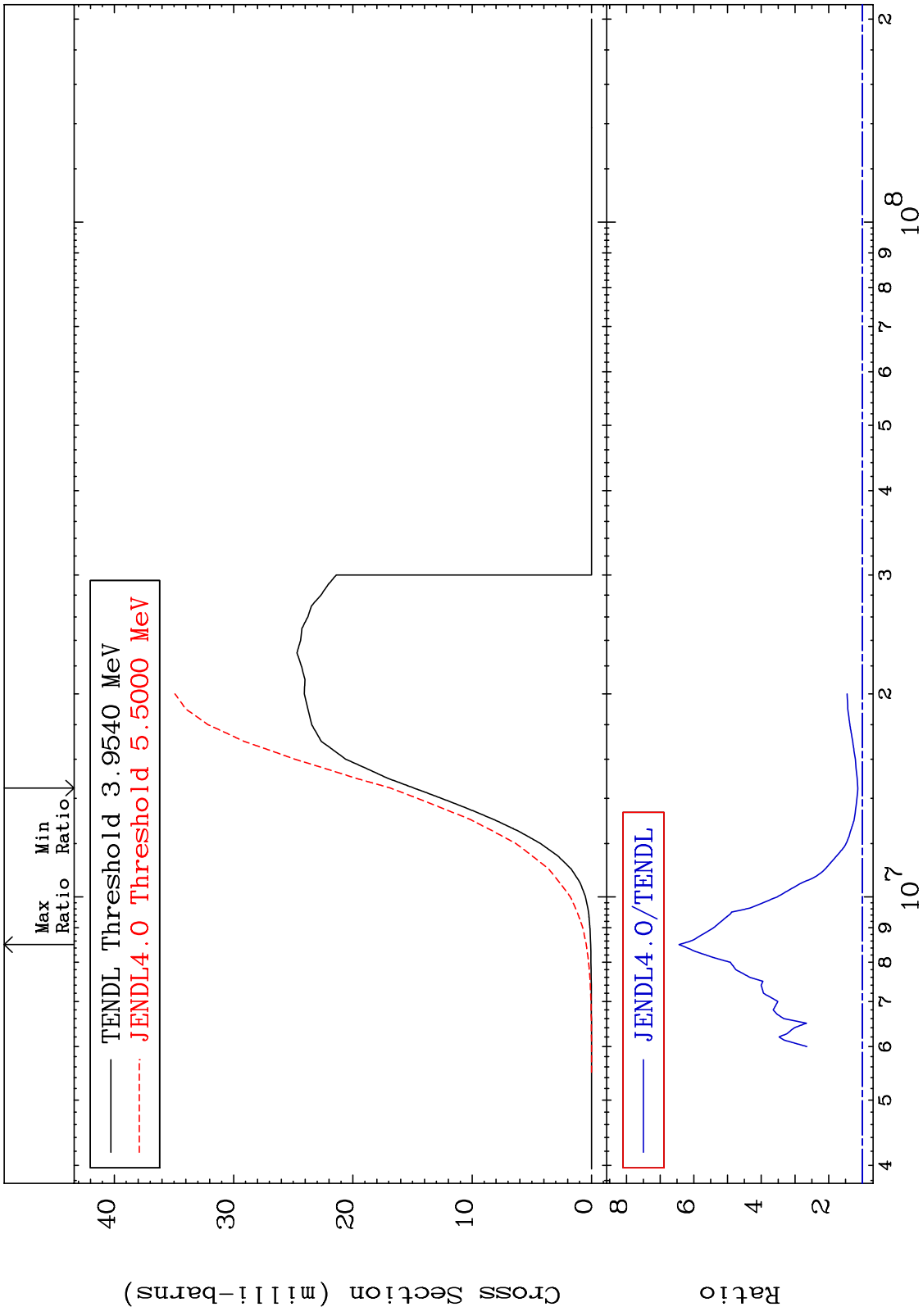
36-Kr-84

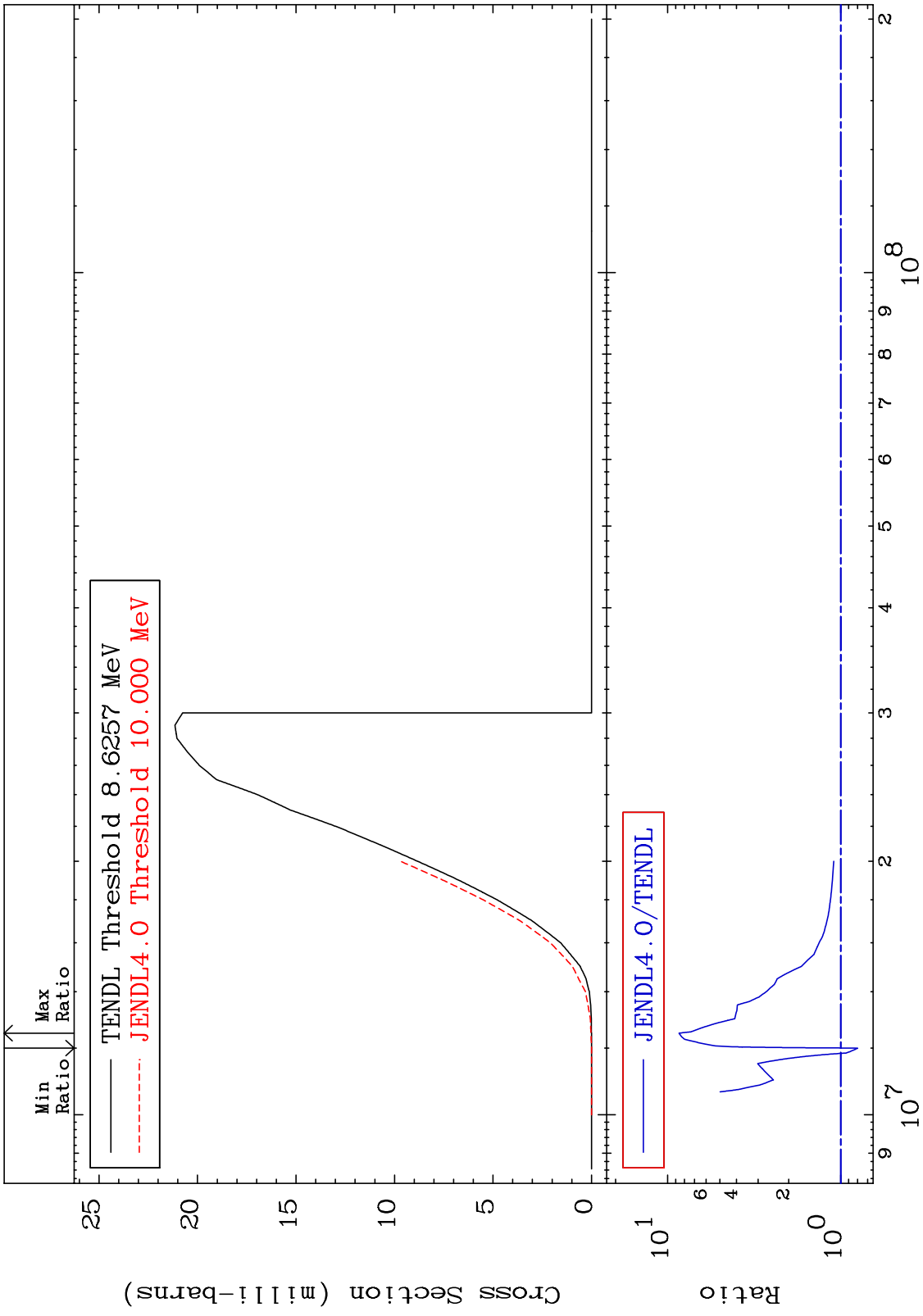
MAT 3643

(n, γ) Cross Section
-100.0 To 9999. %
36-Kr-84

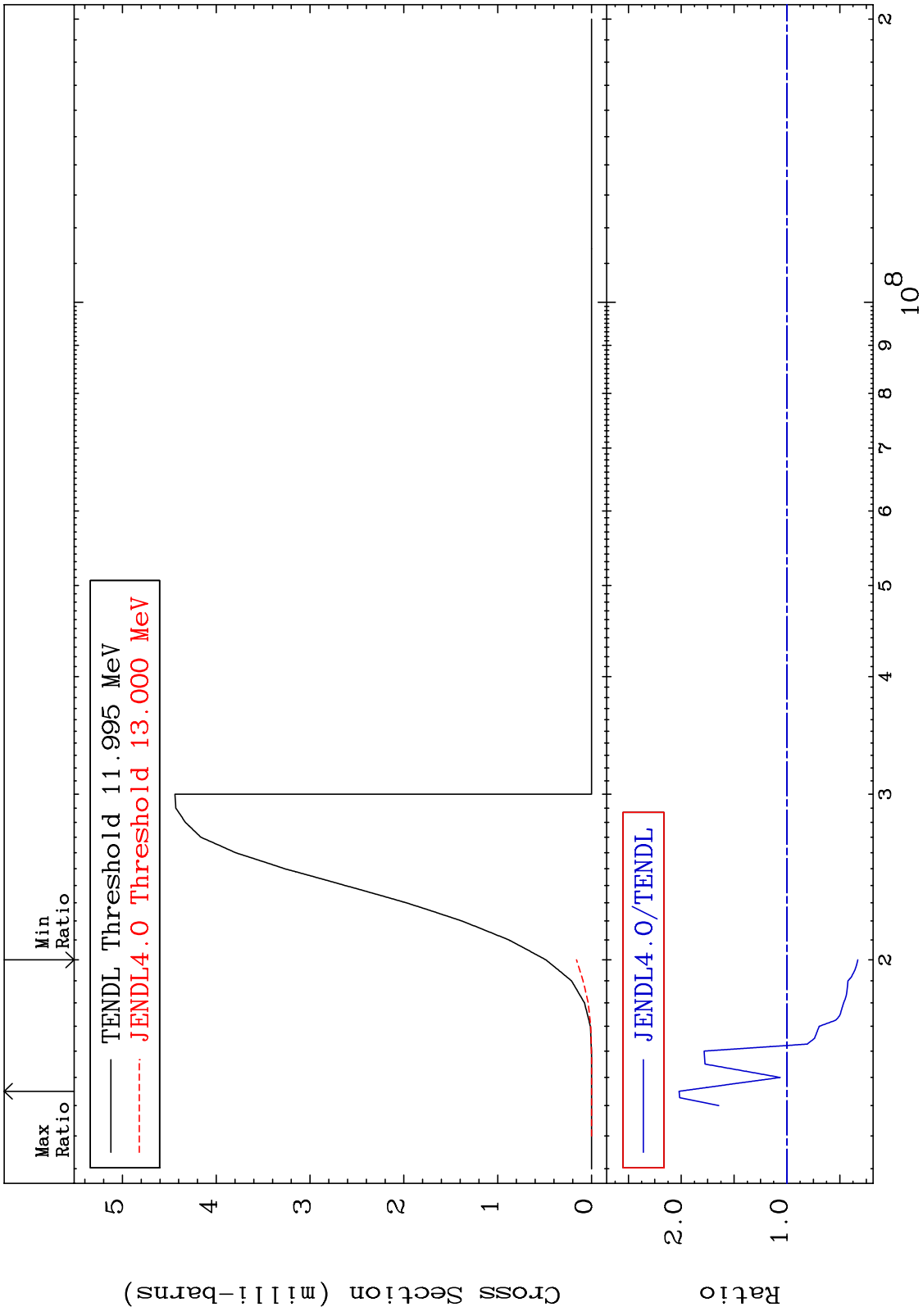


MAT 3643 ³⁶Kr-84 (n,p) Cross Section 13.25 To 544.2 % ³⁶Kr-84

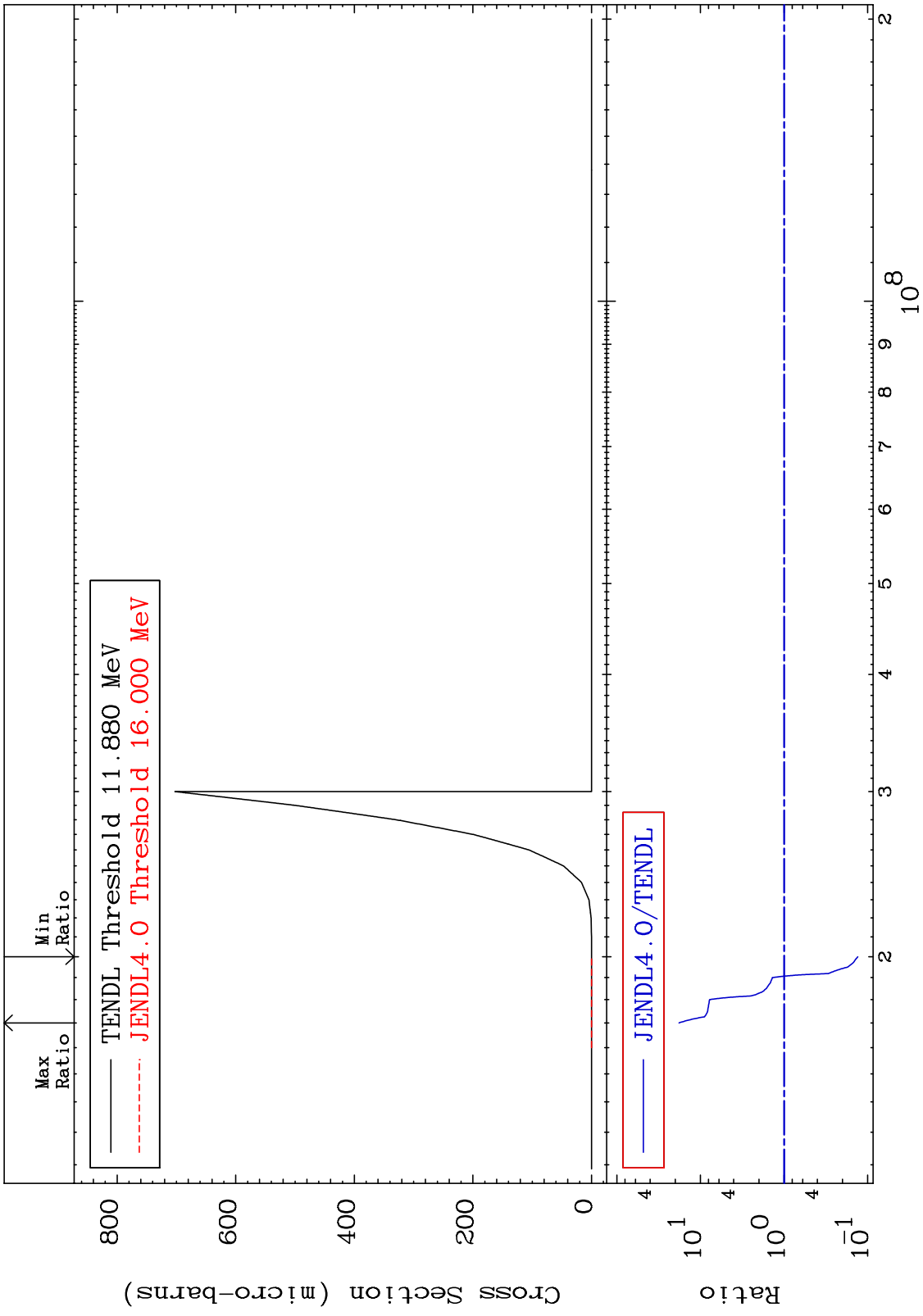




MAT 3643 (n,t) Cross Section 36-Kr-84
 -67.06 To 102.1 %



40 36-Kr-84

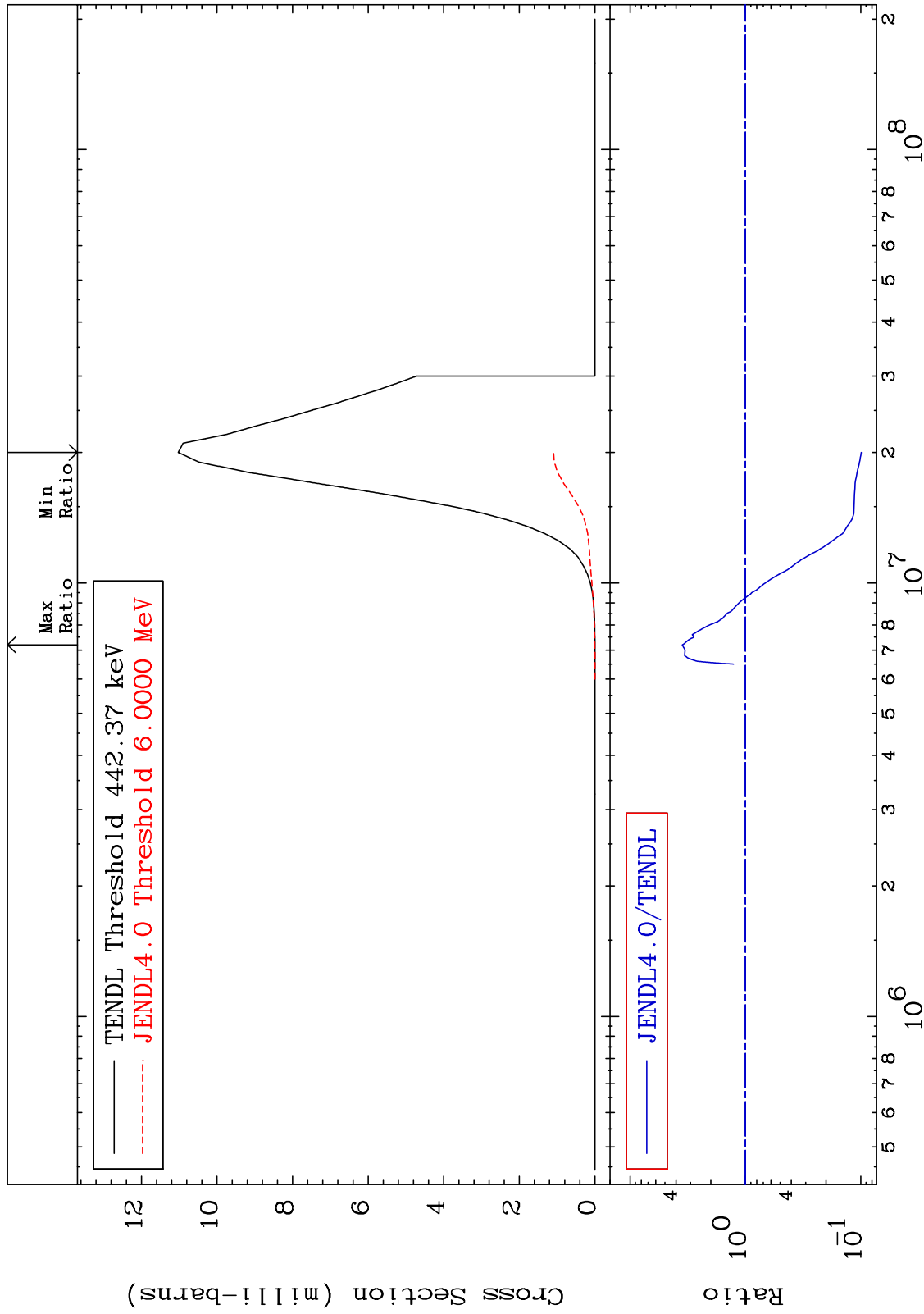


MAT 3643

36-Kr-84

-90.10 To 251.6 %

(n, α)
Cross Section

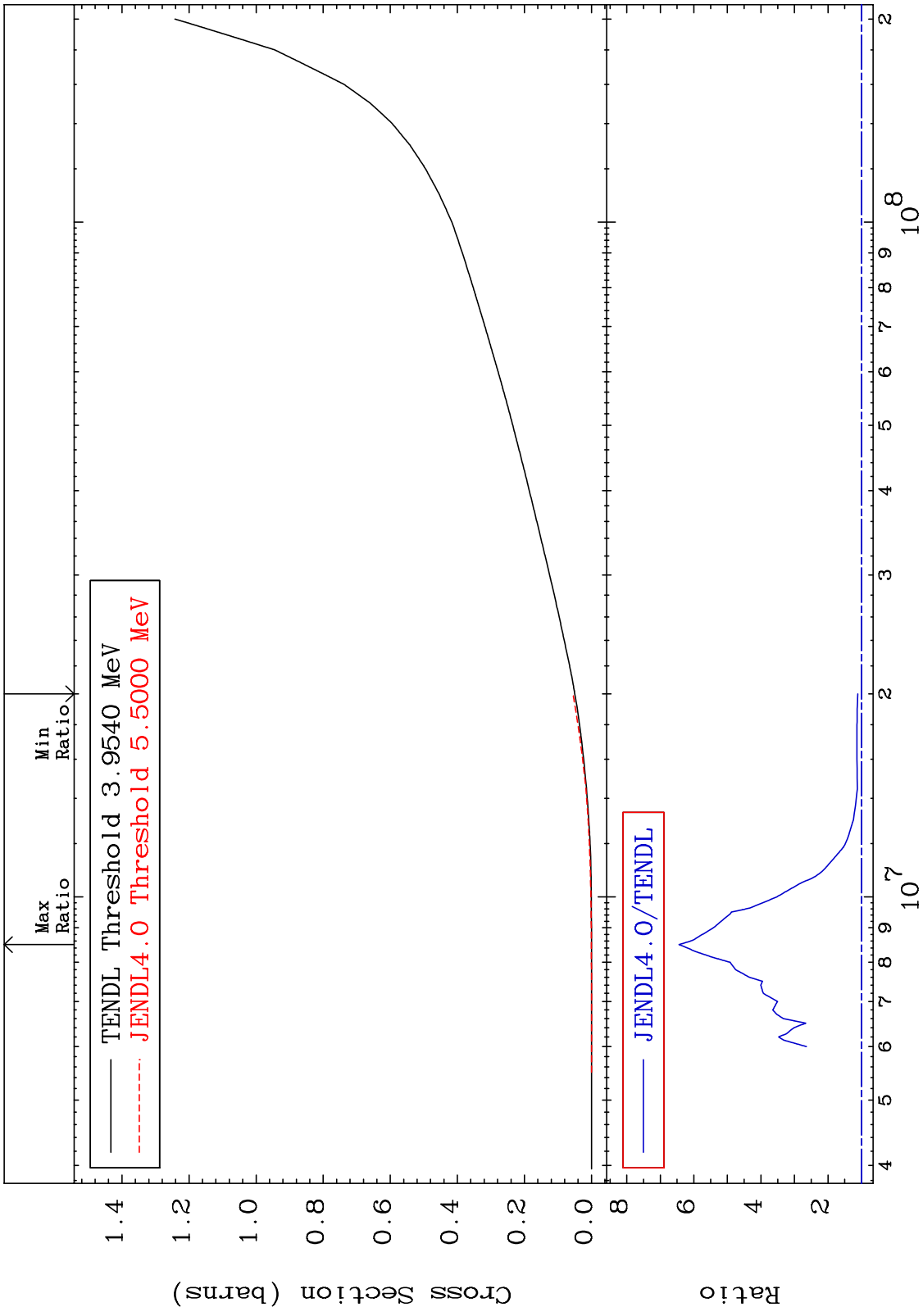


42

Incident Energy (eV)

36-Kr-84

MAT 3643 Hydrogen Production Cross Section 36-Kr-84 To 544.2 %

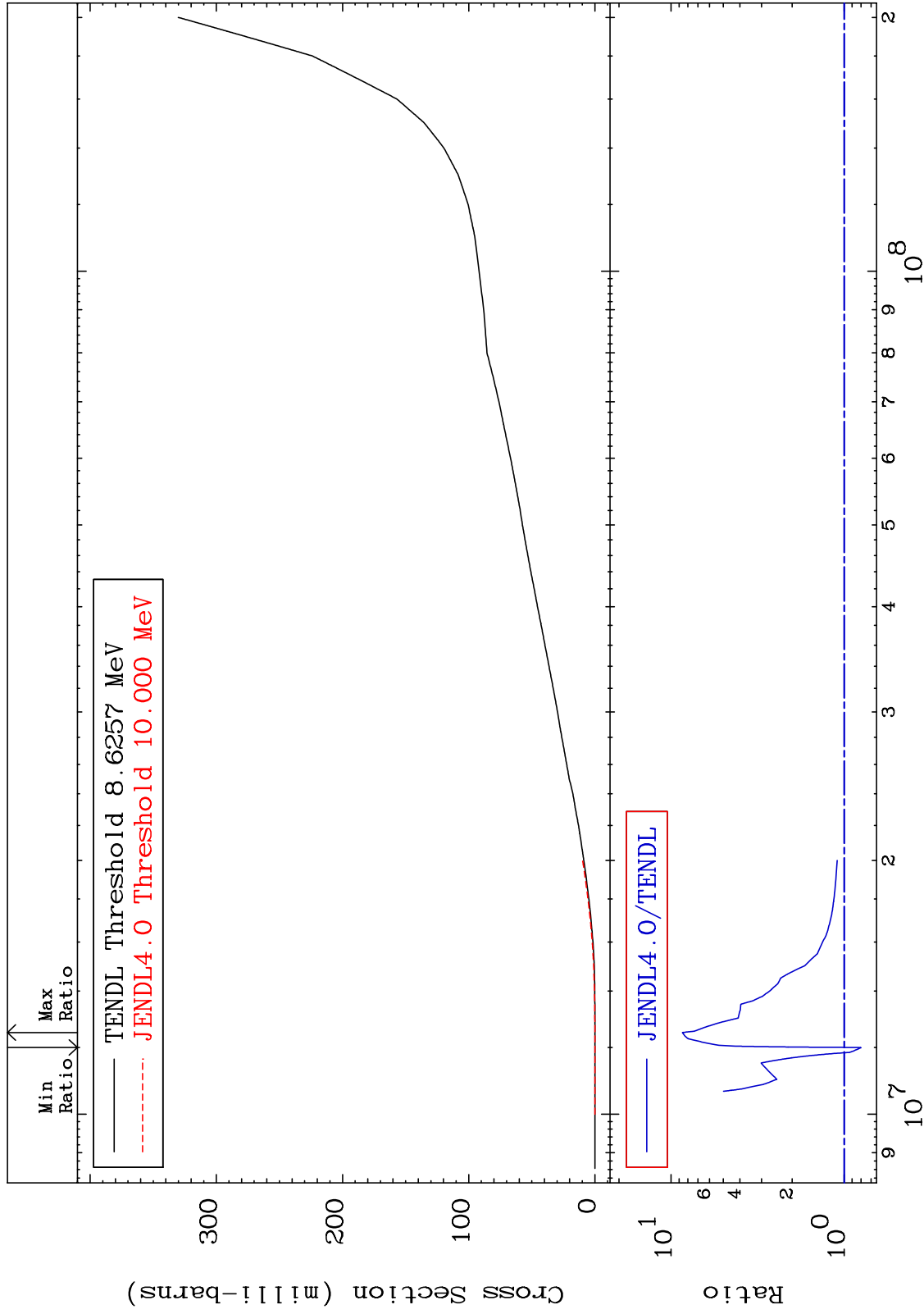


43 36-Kr-84

MAT 3643

Deuterium Production
Cross Section

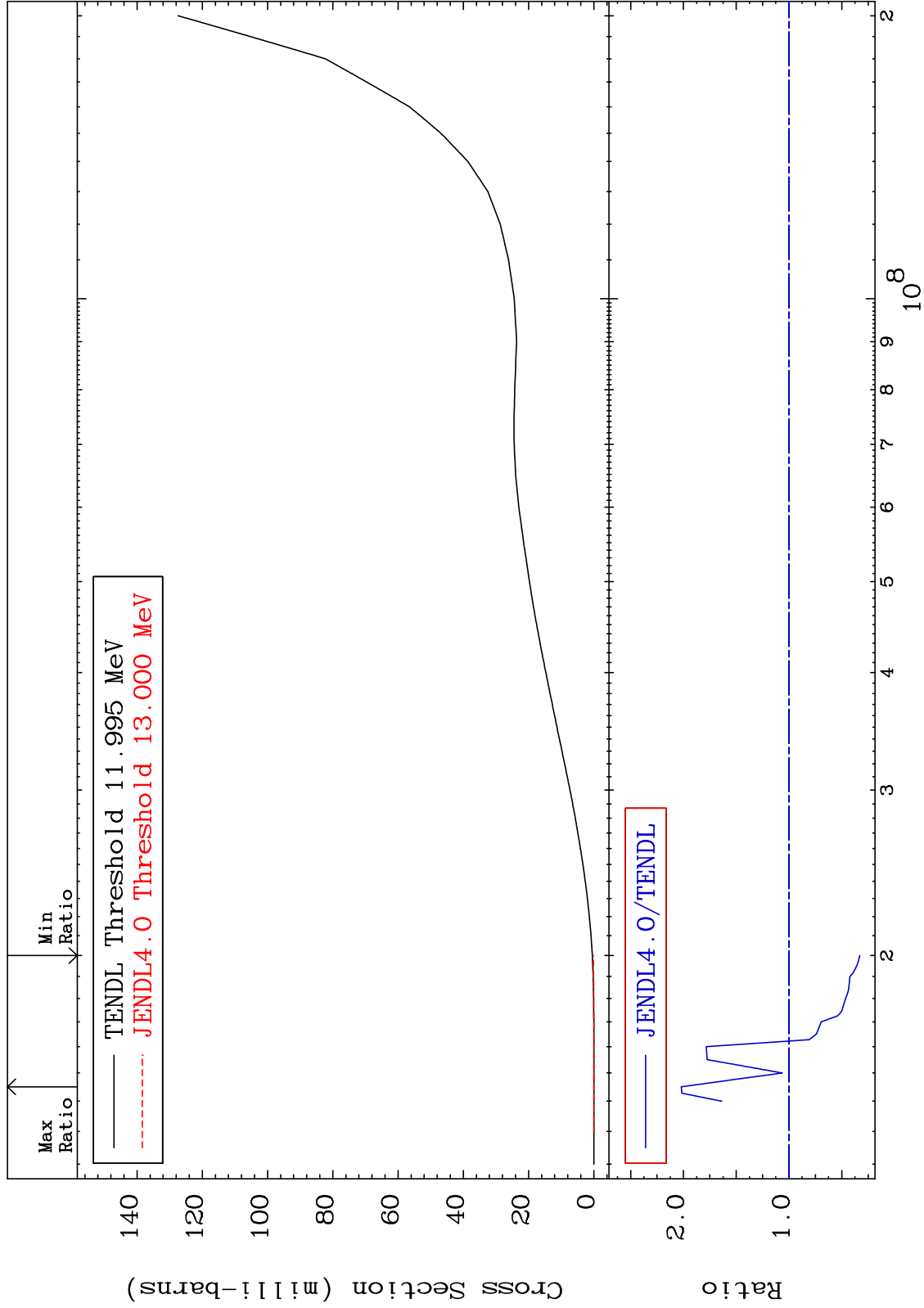
³⁶Kr-84
-20.32 To 759.8 %



MAT 3643

Tritium Production
Cross Section

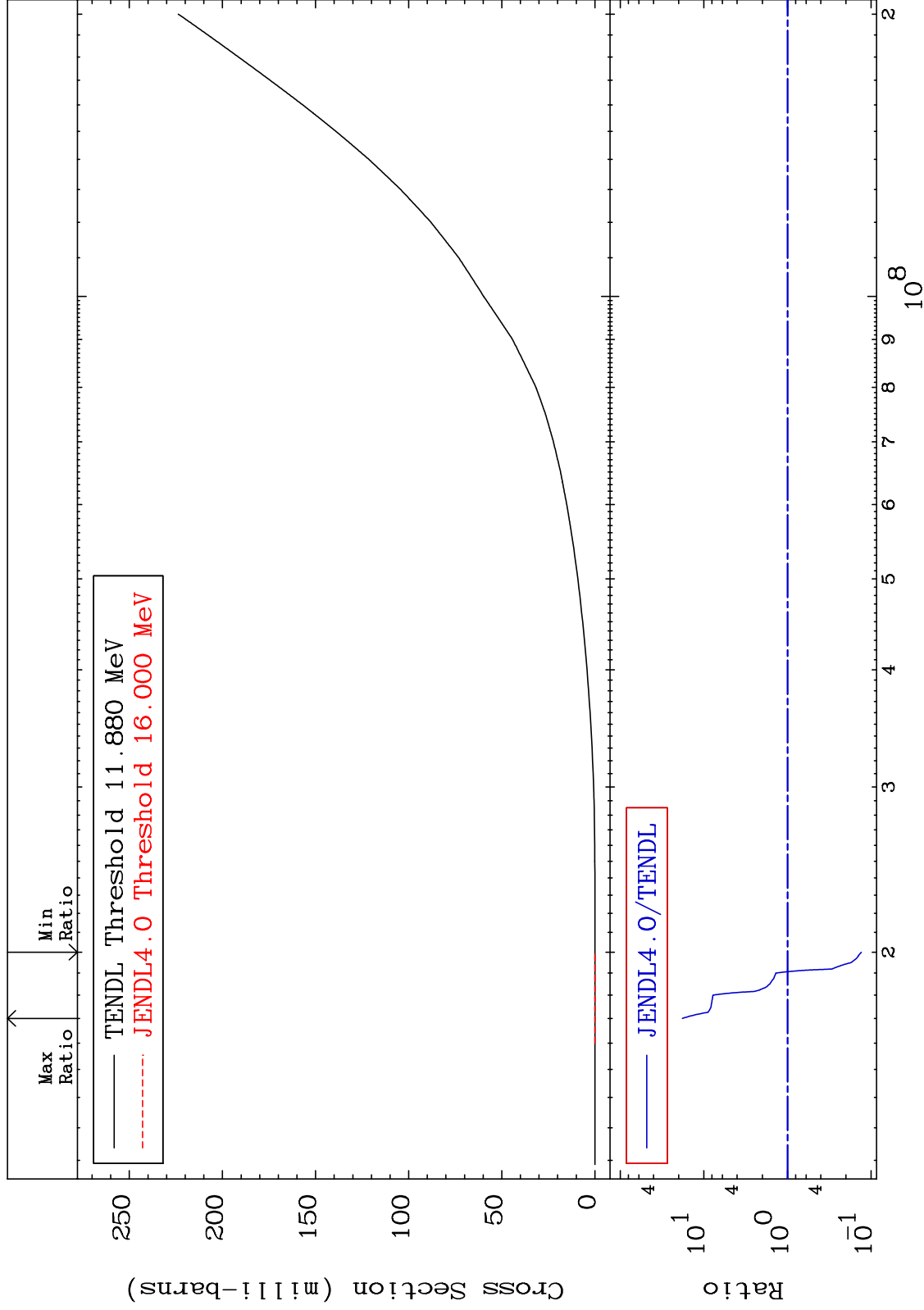
³⁶Kr-84
-67.06 To 102.1 %



MAT 3643

He-3 Production
Cross Section

36-Kr-84
-86.89 To 1703. %



46

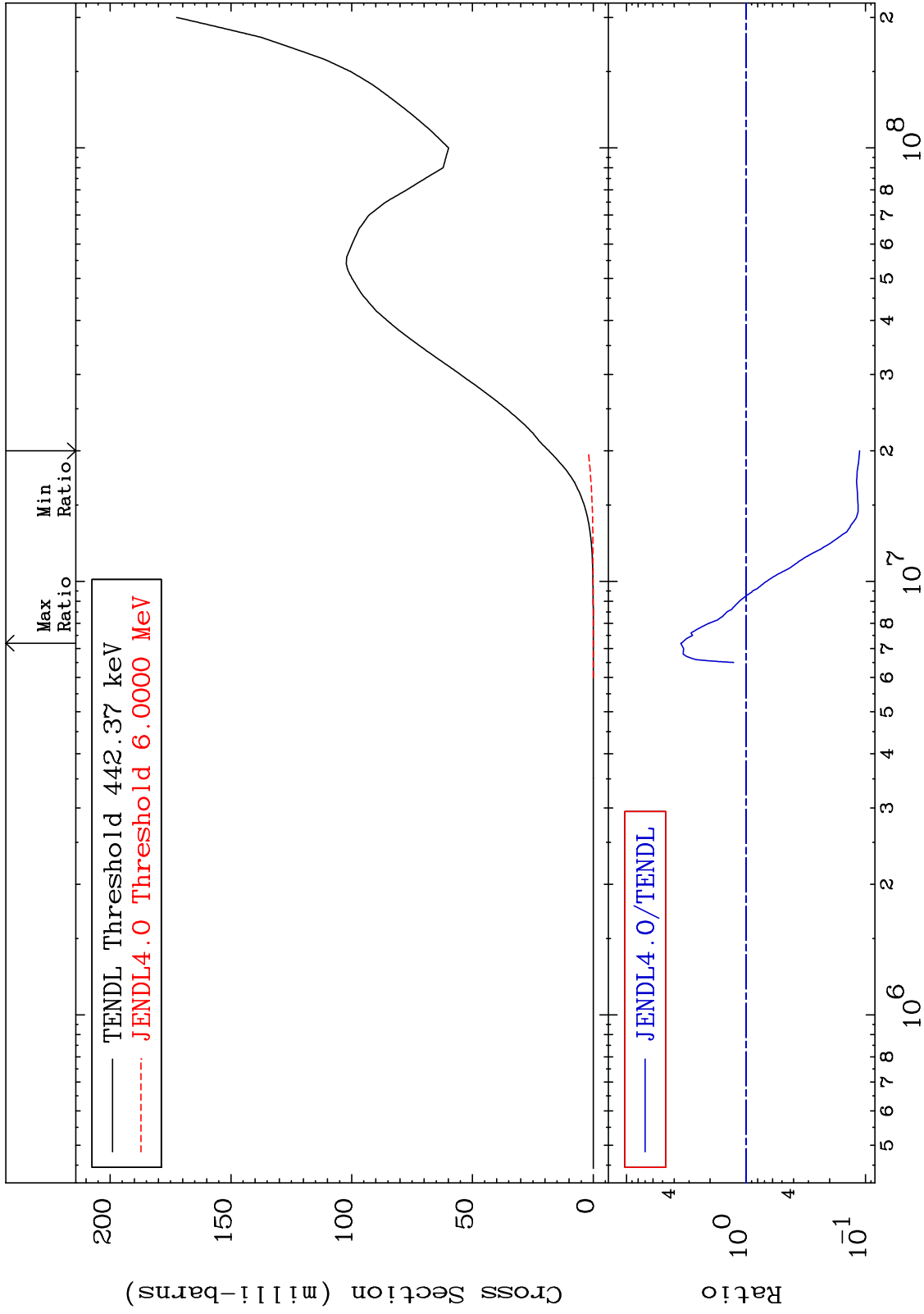
Incident Energy (eV)

36-Kr-84

MAT 3643

He-4 Production
Cross Section

36-Kr-84
-88.80 To 251.6 %

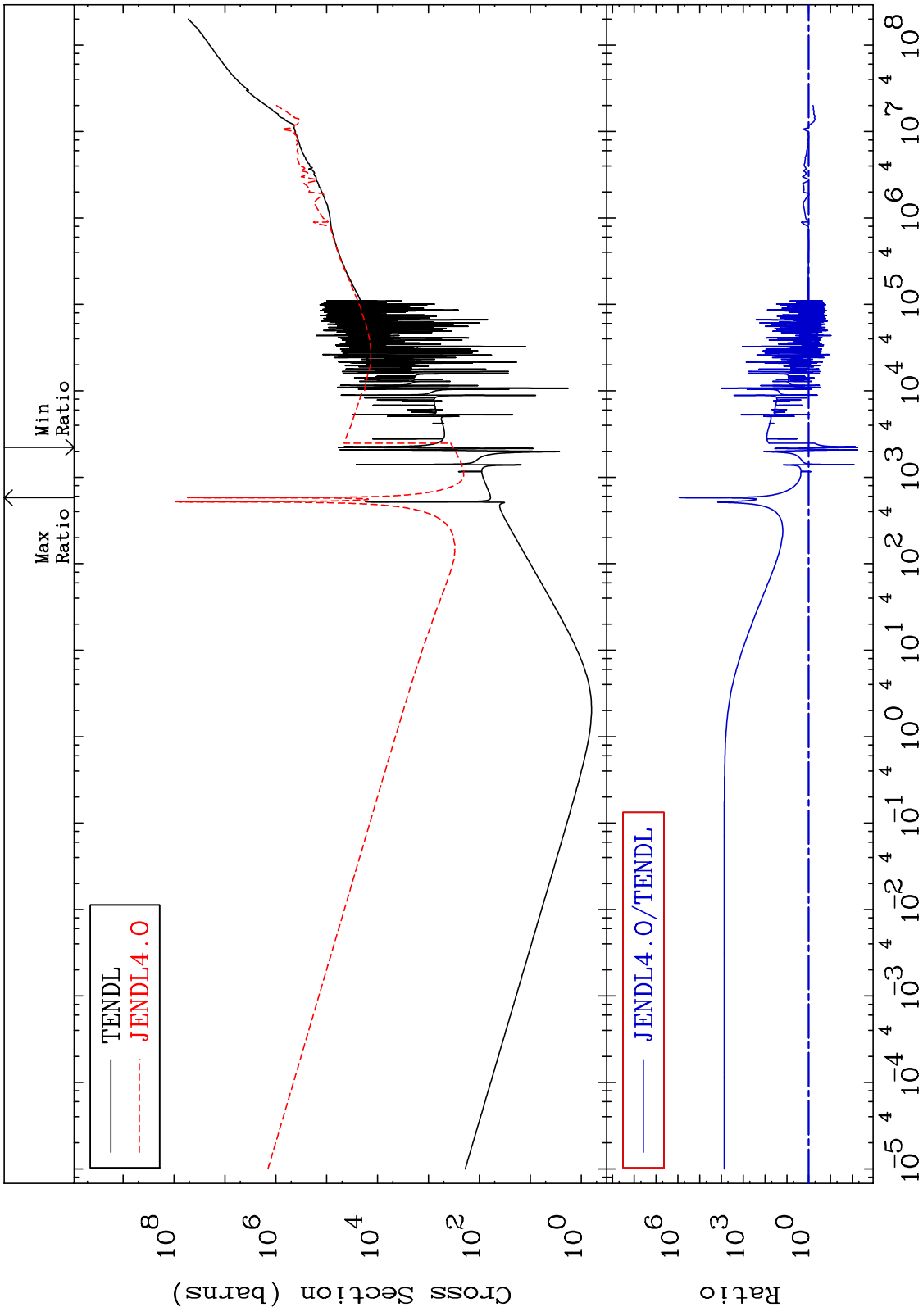


47

Incident Energy (eV)

36-Kr-84

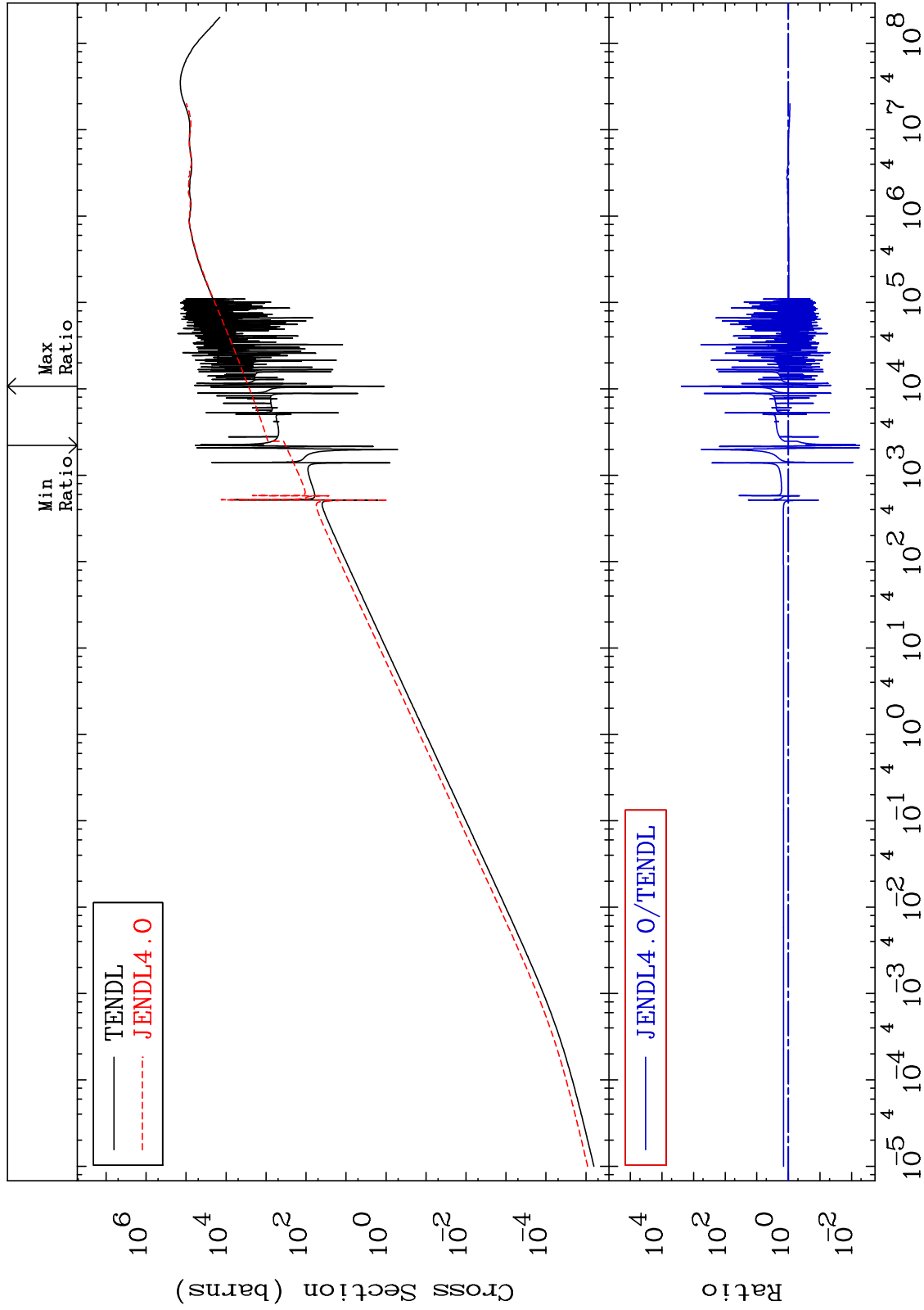
MAT 3643 Kerma total (eV-barns)
 Cross Section -99.44 To 9999. % 36-Kr-84



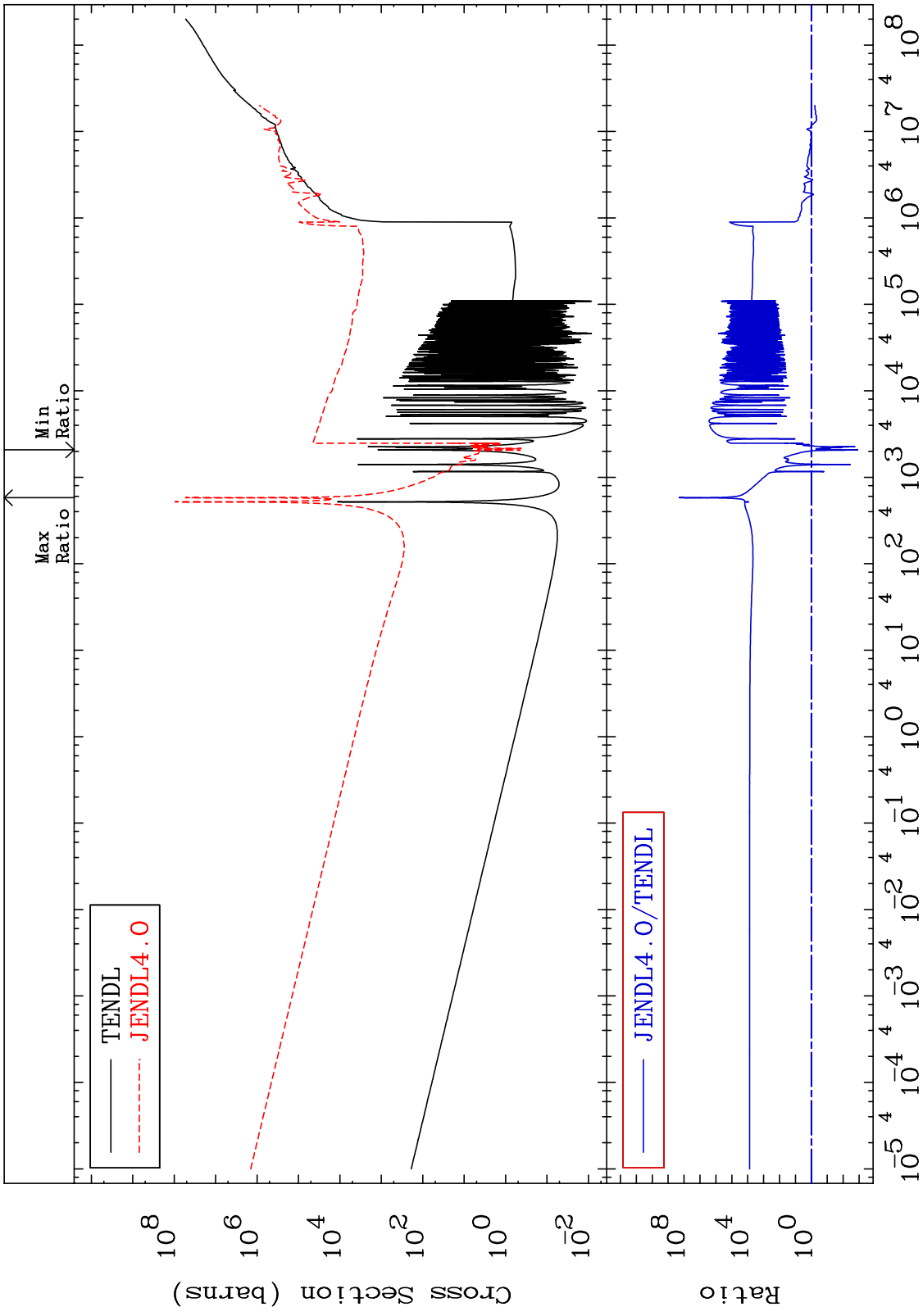
MAT 3643

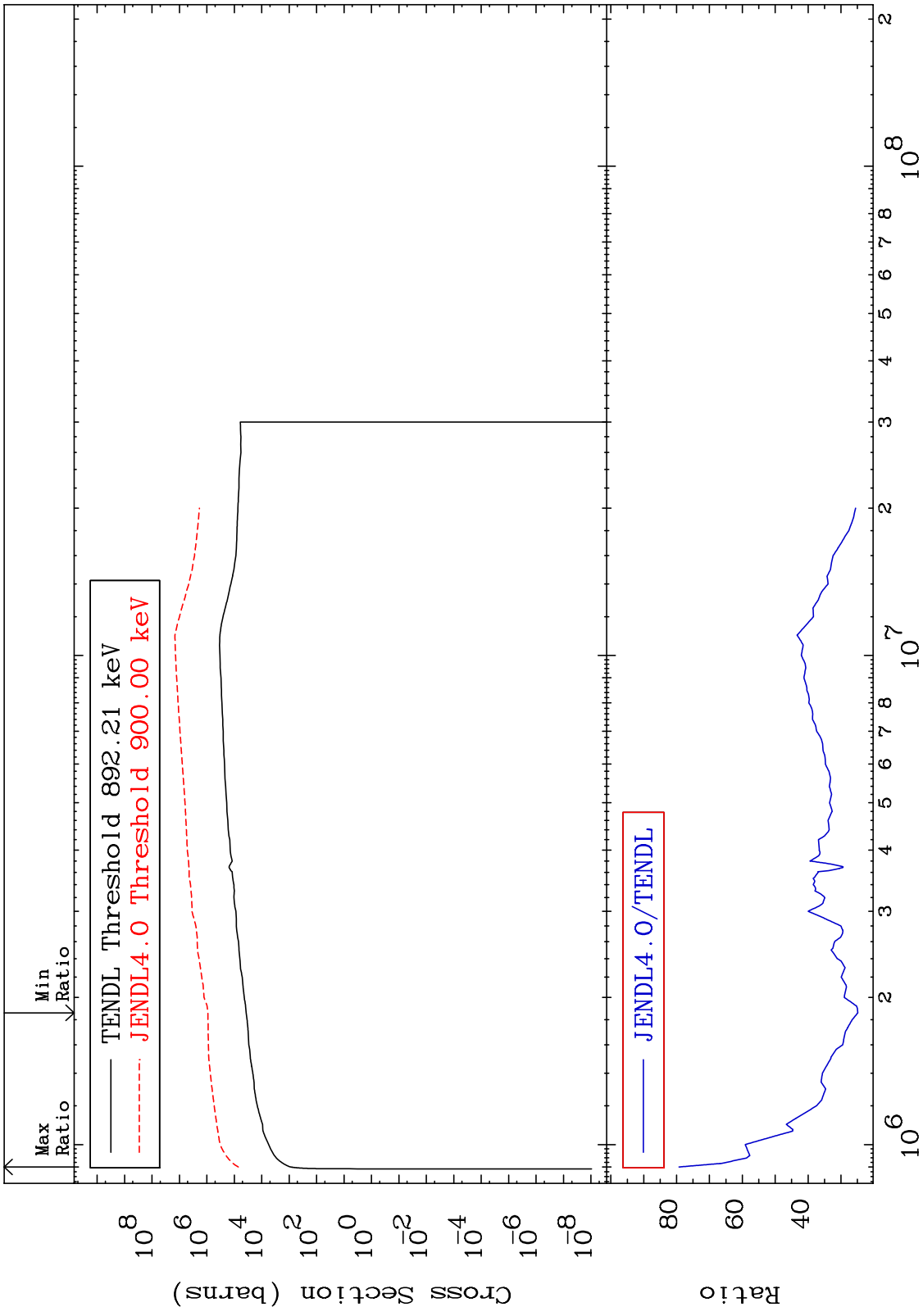
Kerma elastic
Cross Section

36-Kr-84
-99.45 To 9999. %



MAT 3643 Kerma non-elastic (all but mt2) 36-Kr-84
 Cross Section -99.88 To 9999. %

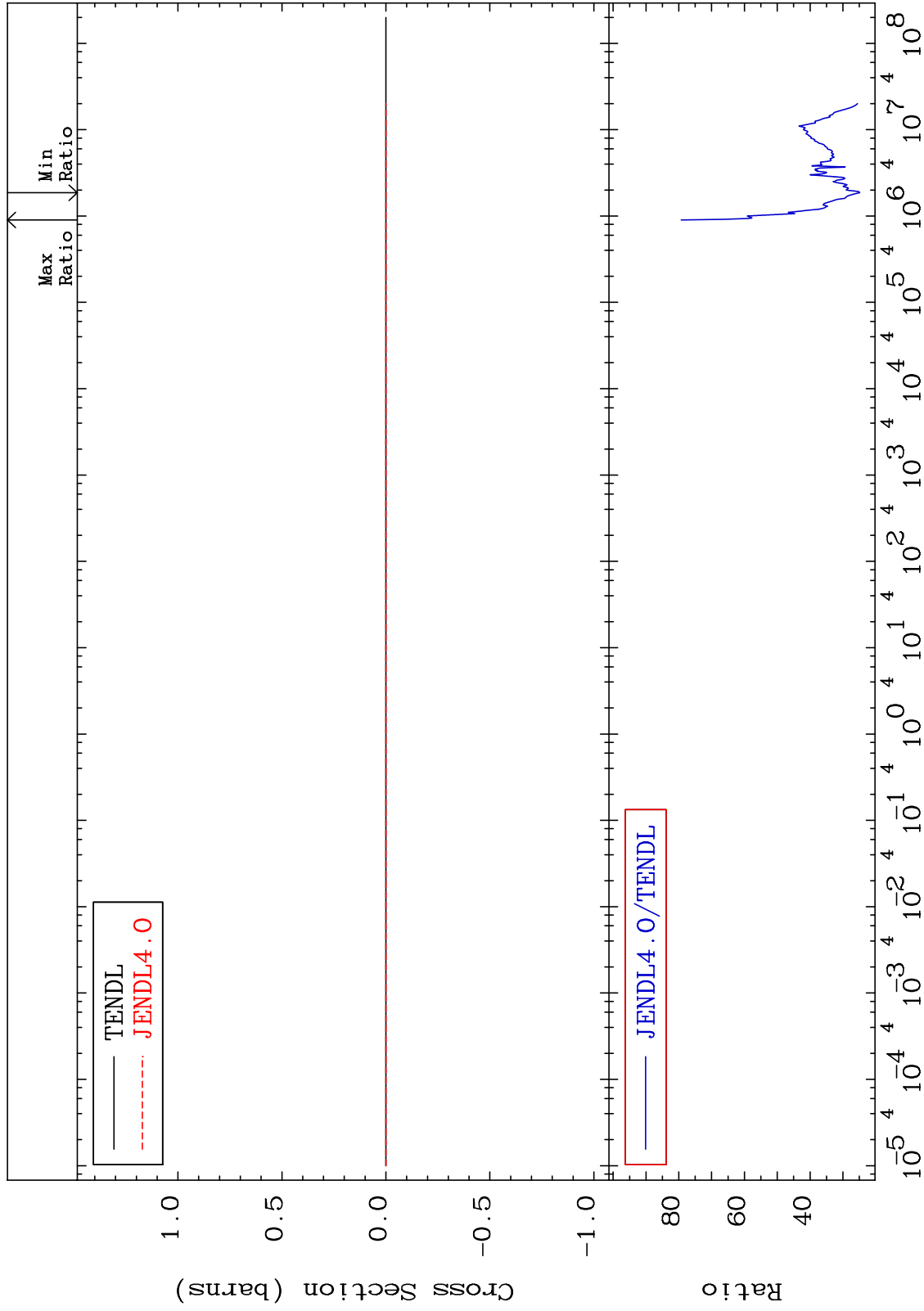




MAT 3643

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

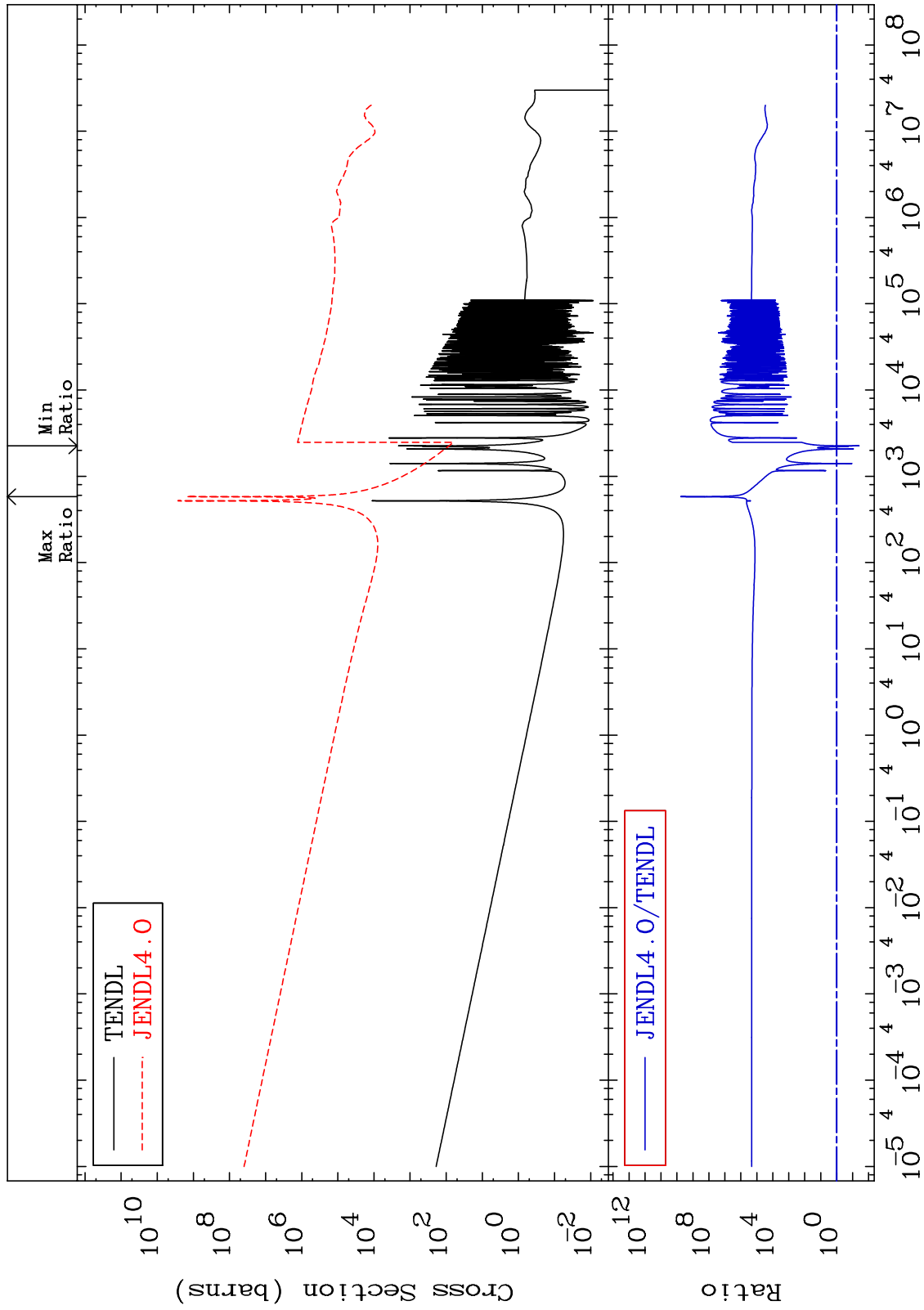
36-Kr-84
2386. To 7825. %



MAT 3643

Kerma capture (mt102)
Cross Section

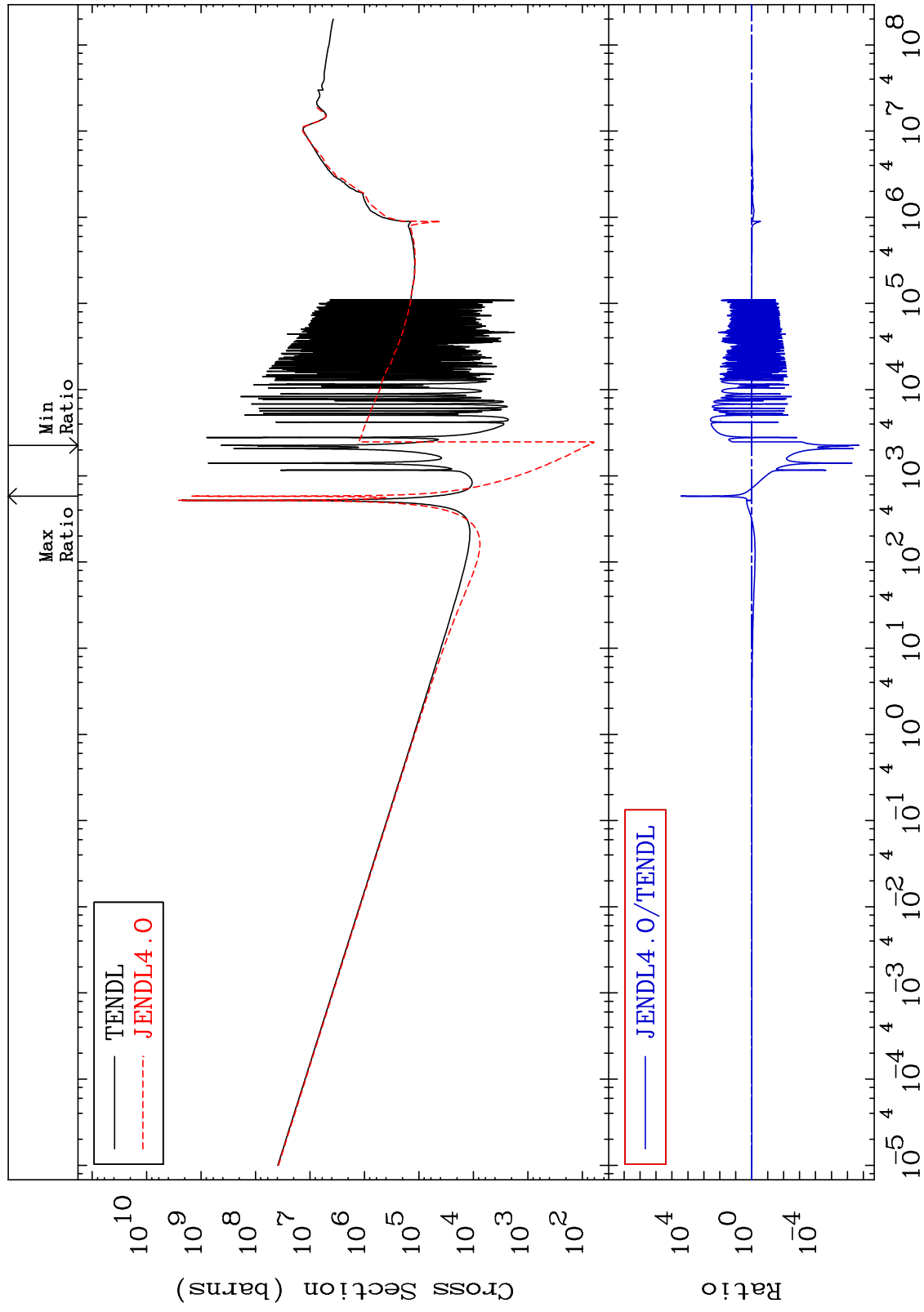
36-Kr-84
-95.98 To 9999. %



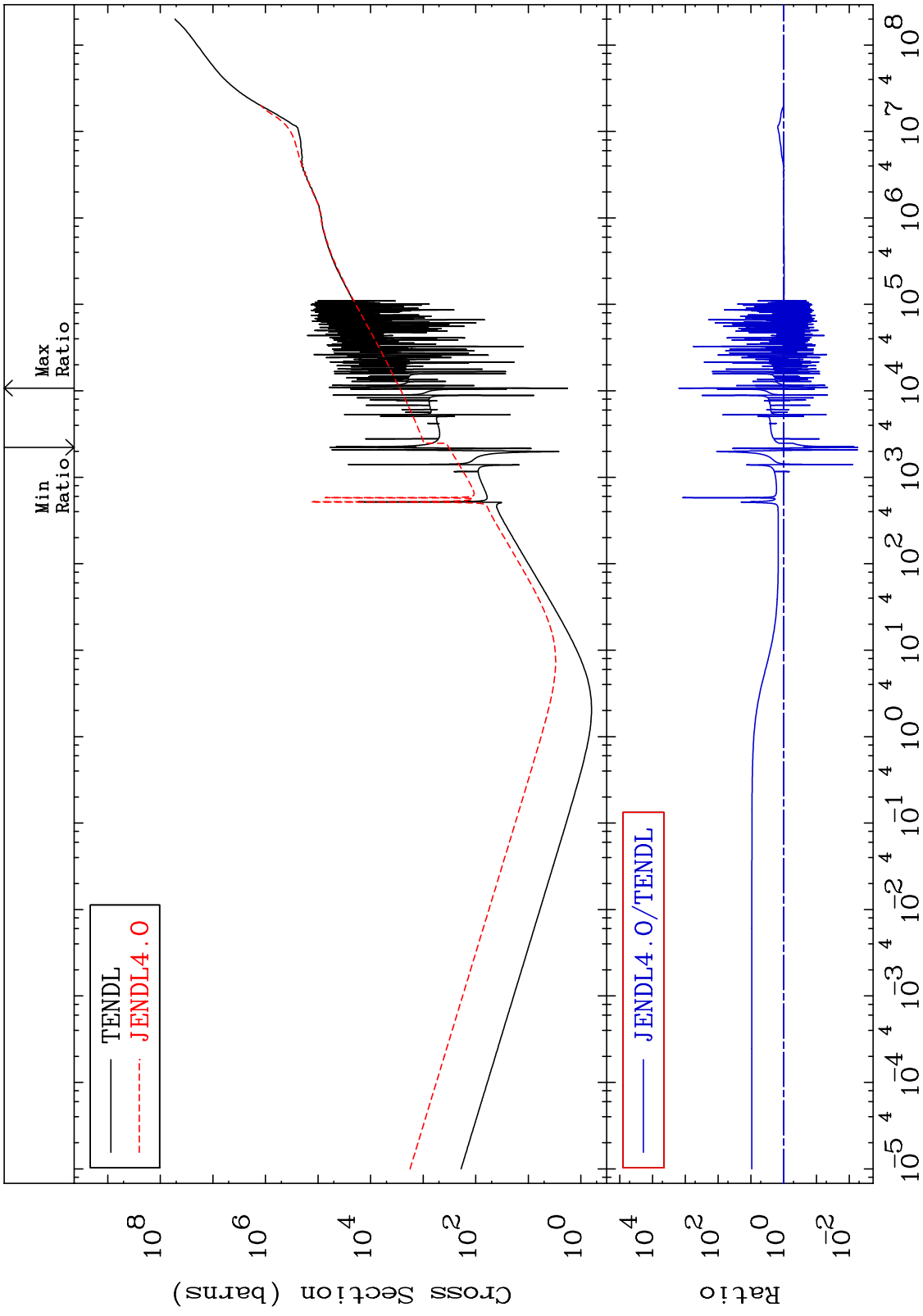
MAT 3643

Total photon (eV-barns)
Cross Section

36-Kr-84
-100.0 To 9999. %



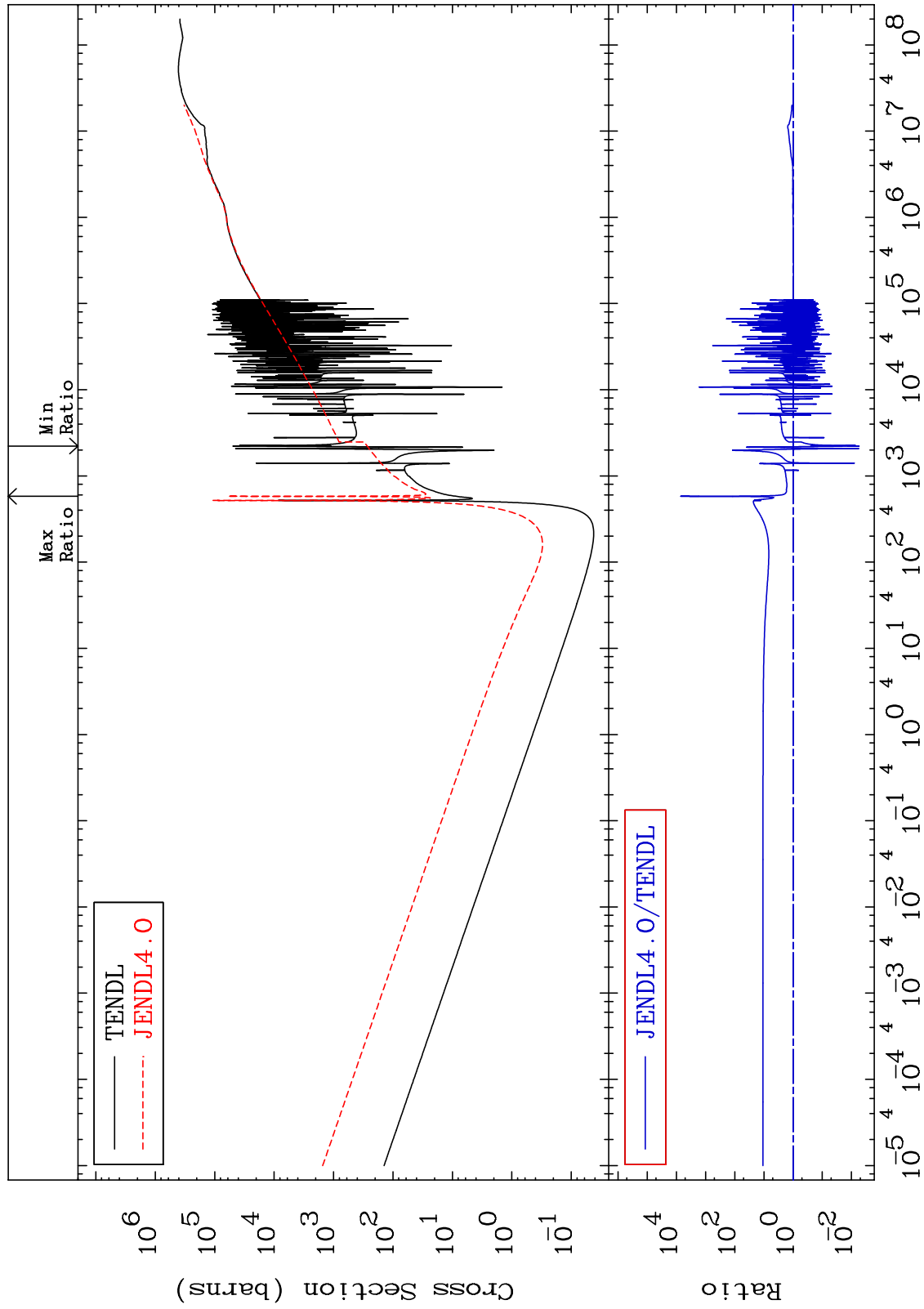
MAT 3643 Total kinematic kerma (high limit) 36-Kr-84
 Cross Section -99.45 To 9999. %



MAT 3643

Dpa total (eV-barns)
Cross Section

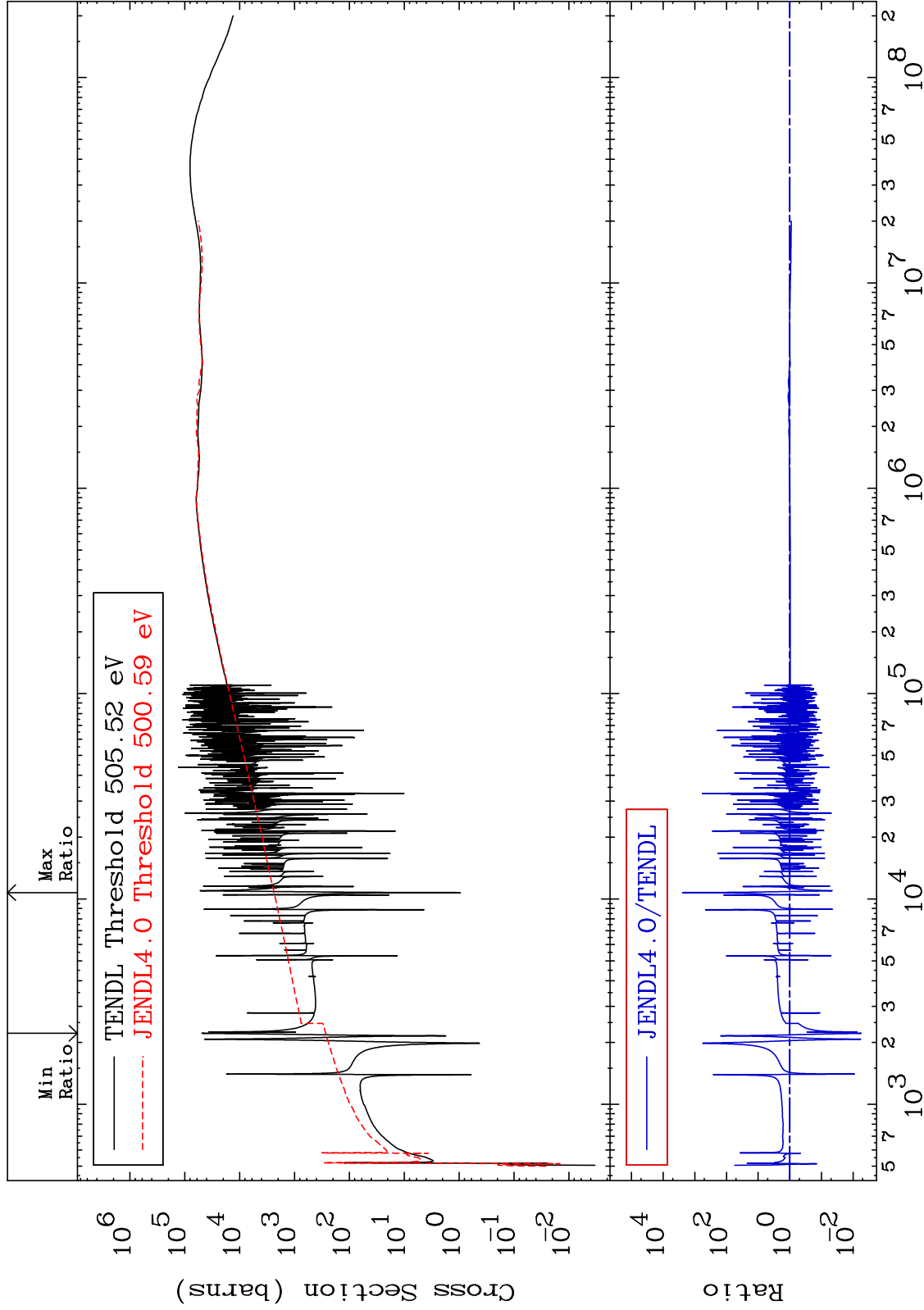
36-Kr-84
-99.45 To 9999. %



MAT 3643

Dpa elastic (mt2)
Cross Section

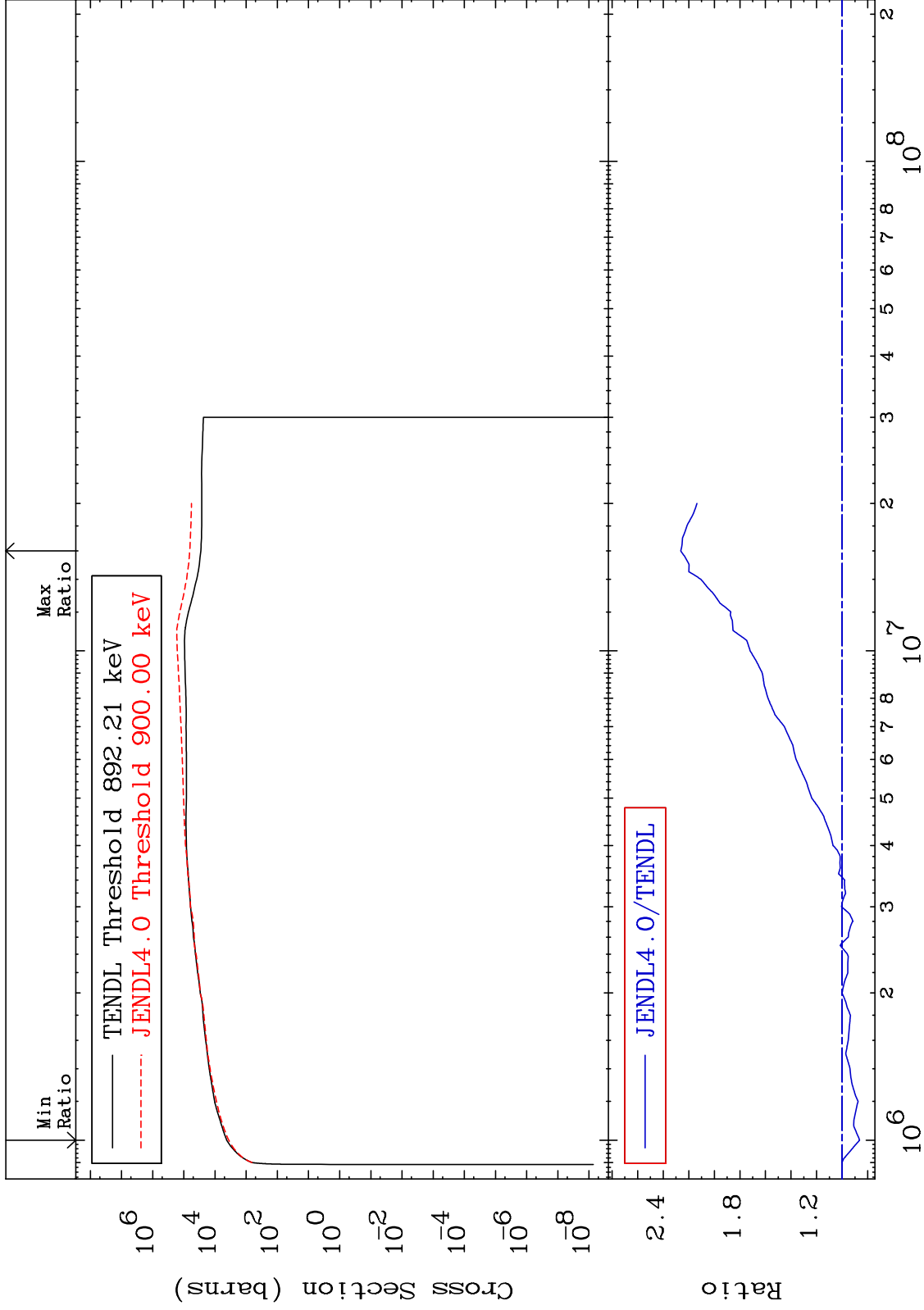
36-Kr-84
-99.45 To 9999. %



MAT 3643

Dpa inelastic (mt51-91)
Cross Section

36-Kr-84
-13.69 To 126.2 %



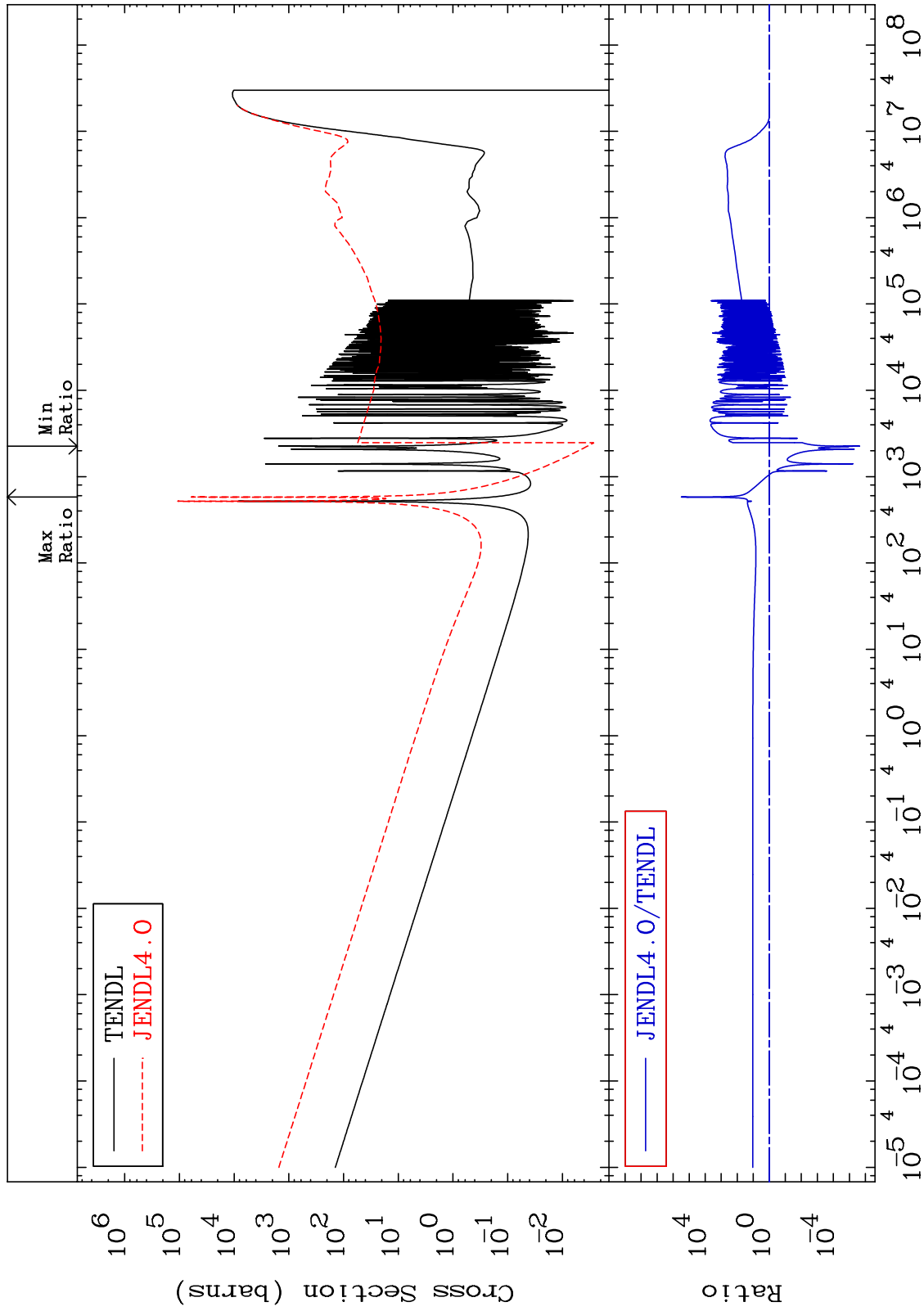
58

36-Kr-84

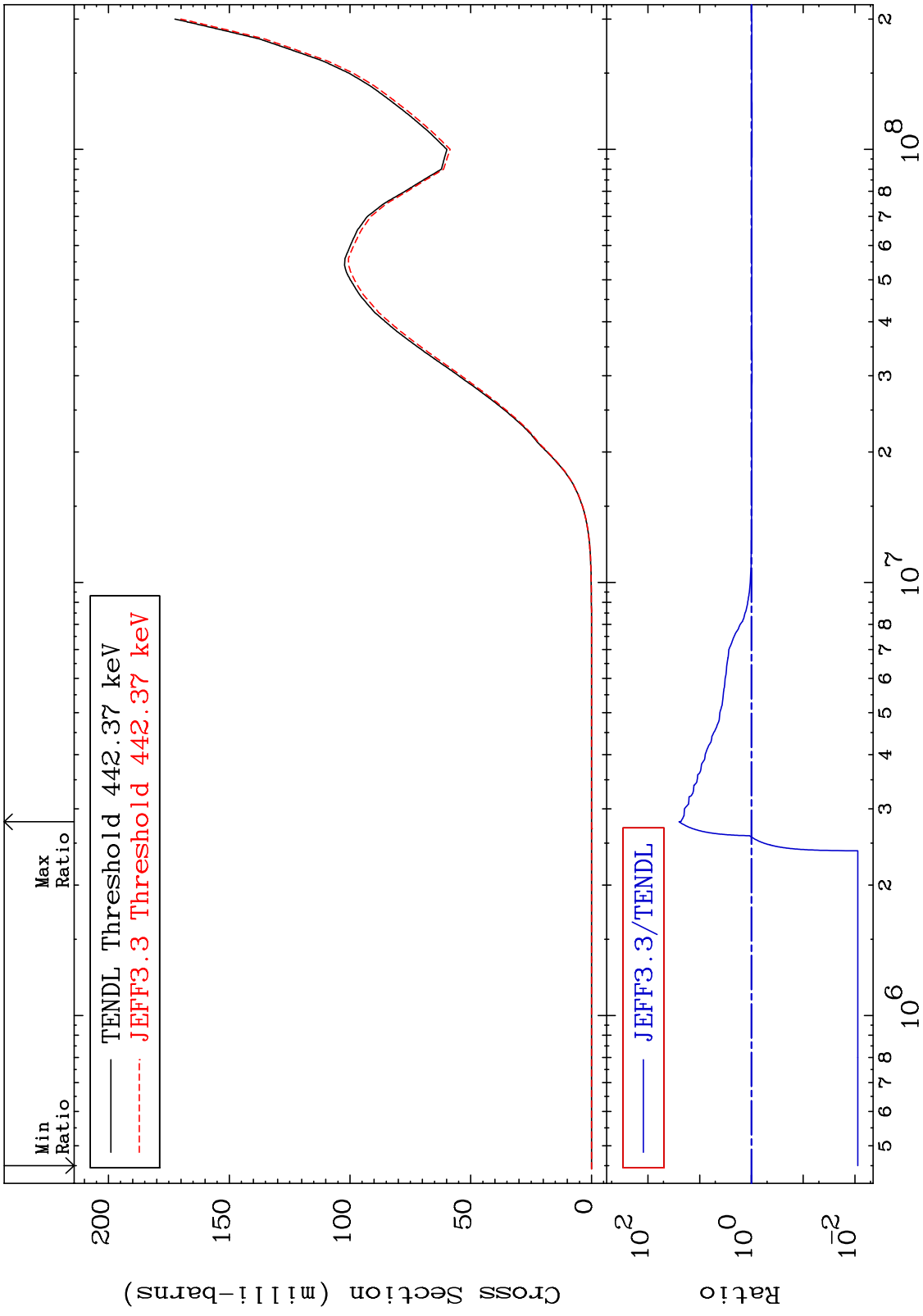
MAT 3643

Dpa disappearance (mt102 -120)
Cross Section

36-Kr-84
-100.0 To 9999. %



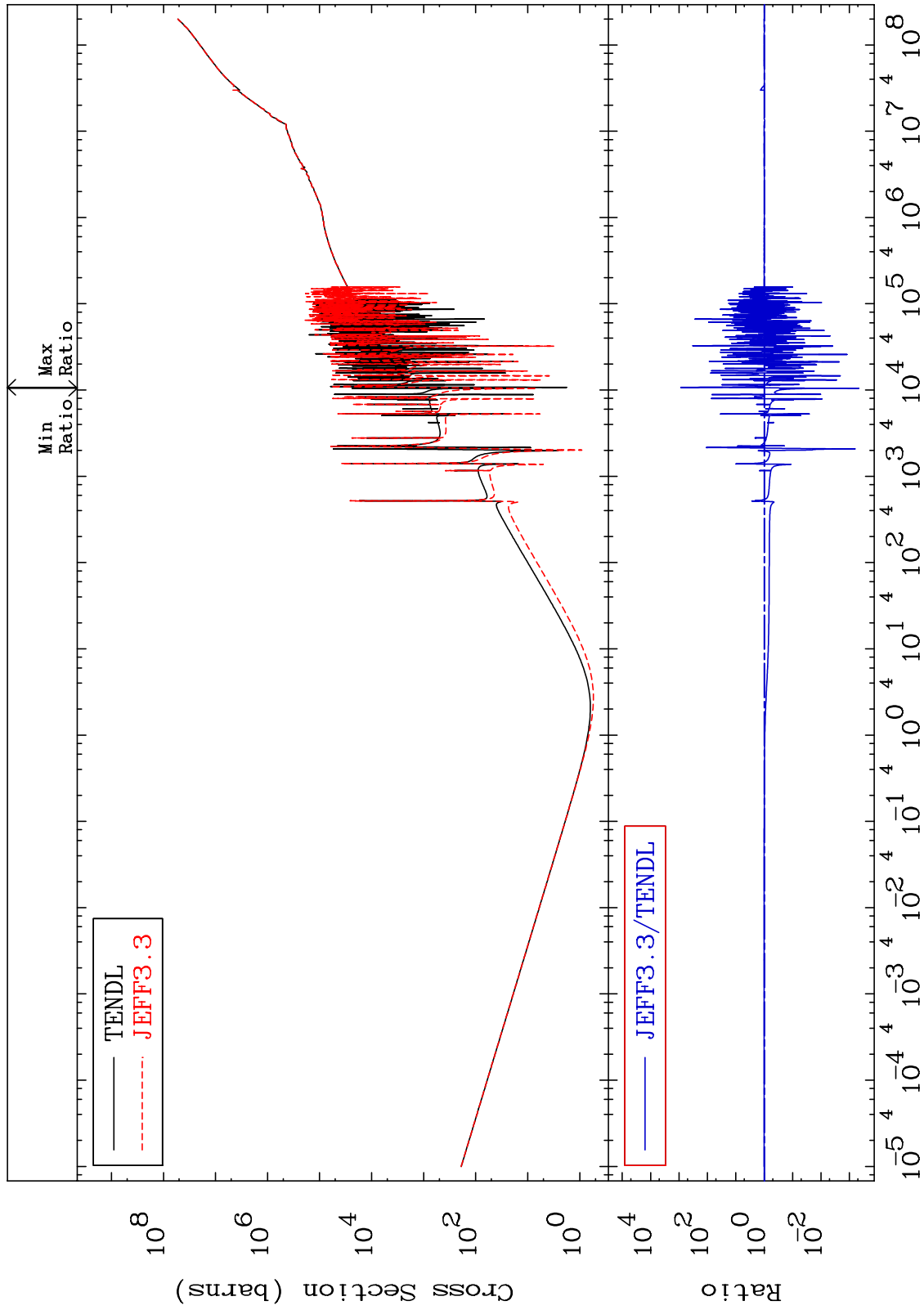
MAT 3643 He-4 Production Cross Section 36-Kr-84
 -99.12 To 2404. %



MAT 3643

Kerma total (eV-barns)
Cross Section

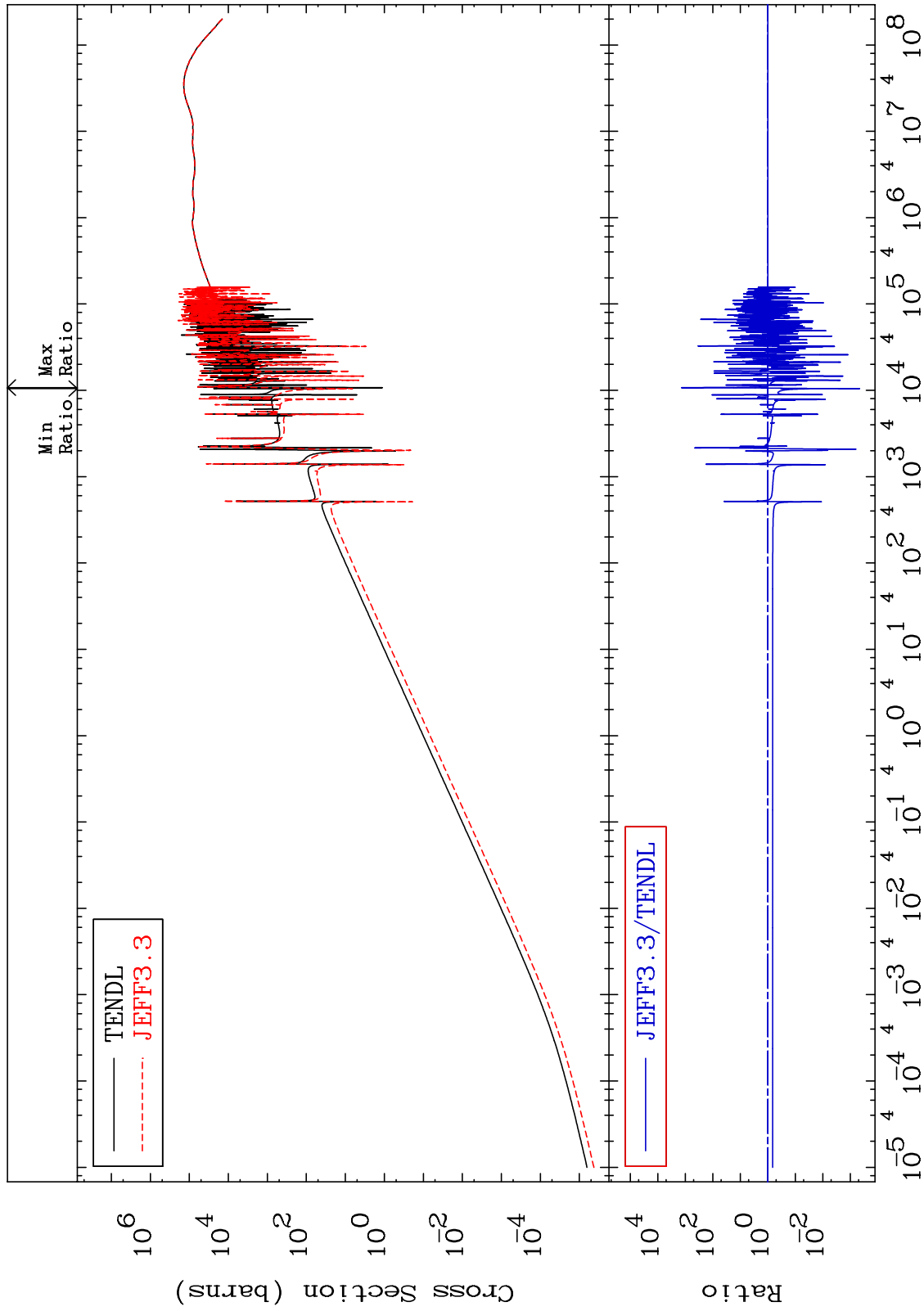
36-Kr-84
-99.95 To 9999. %



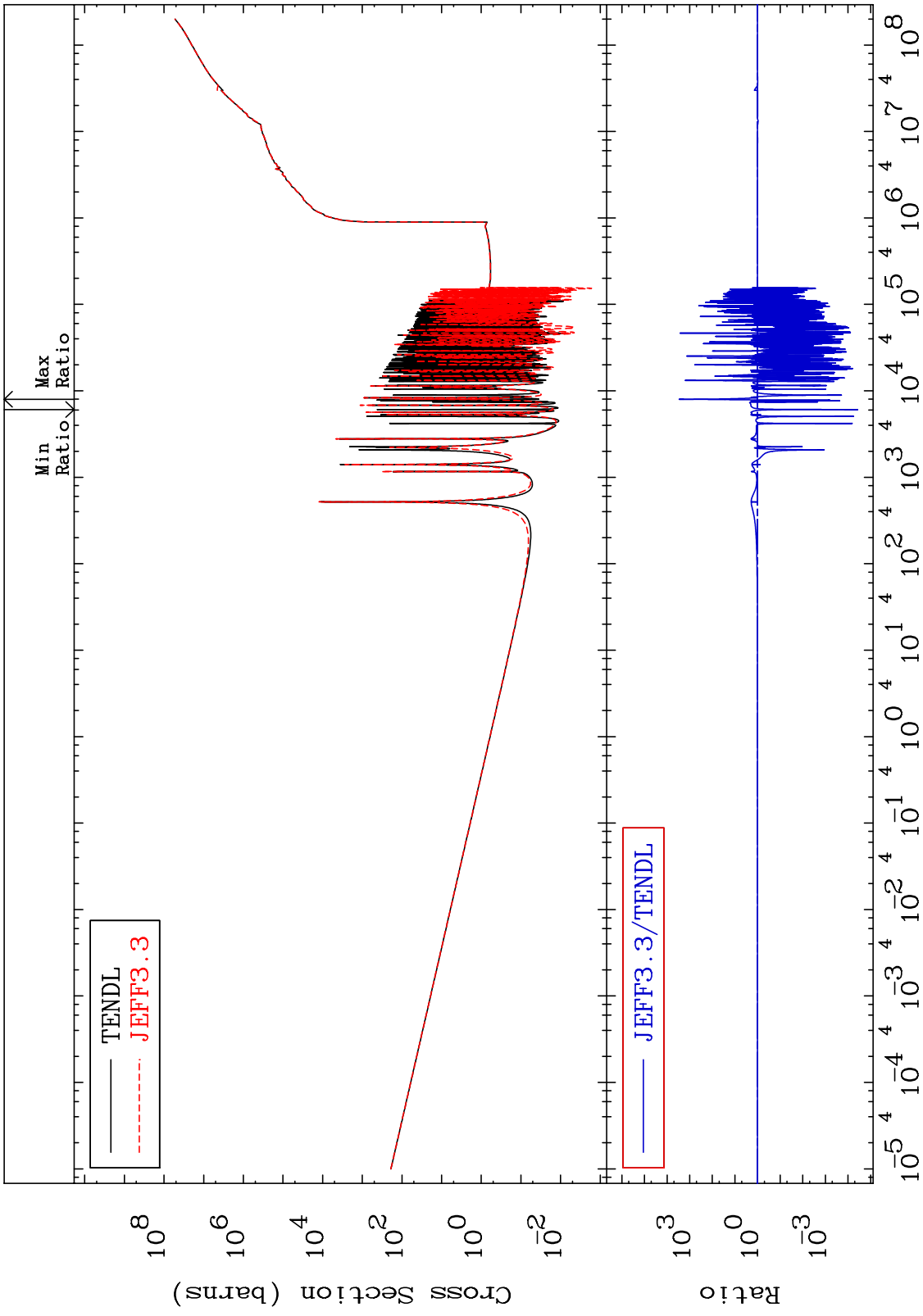
MAT 3643

Kerma elastic
Cross Section

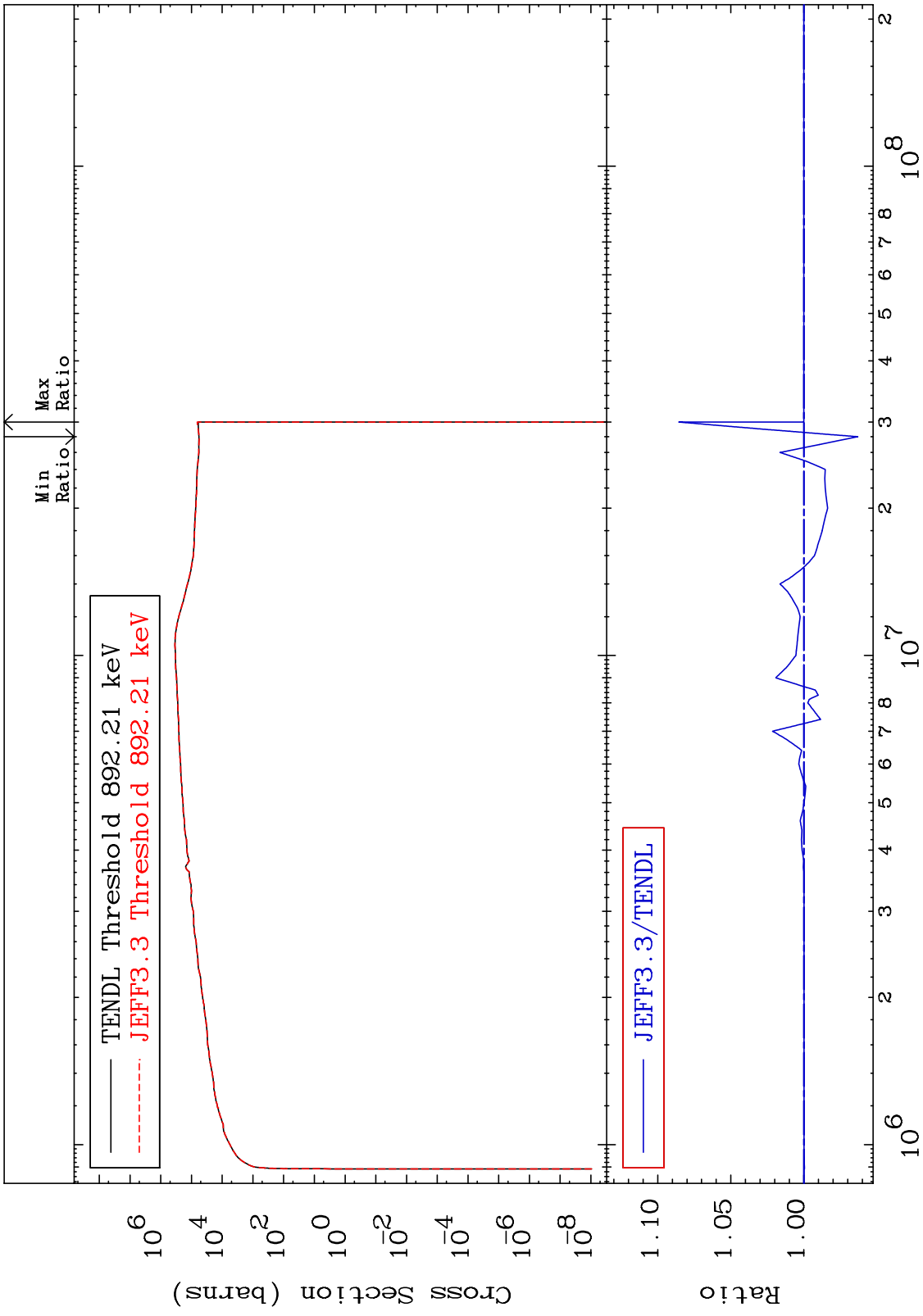
36-Kr-84
-99.95 To 9999. %



MAT 3643 Kerma non-elastic (all but mt2) 36-Kr-84
 Cross Section -100.0 To 9999. %



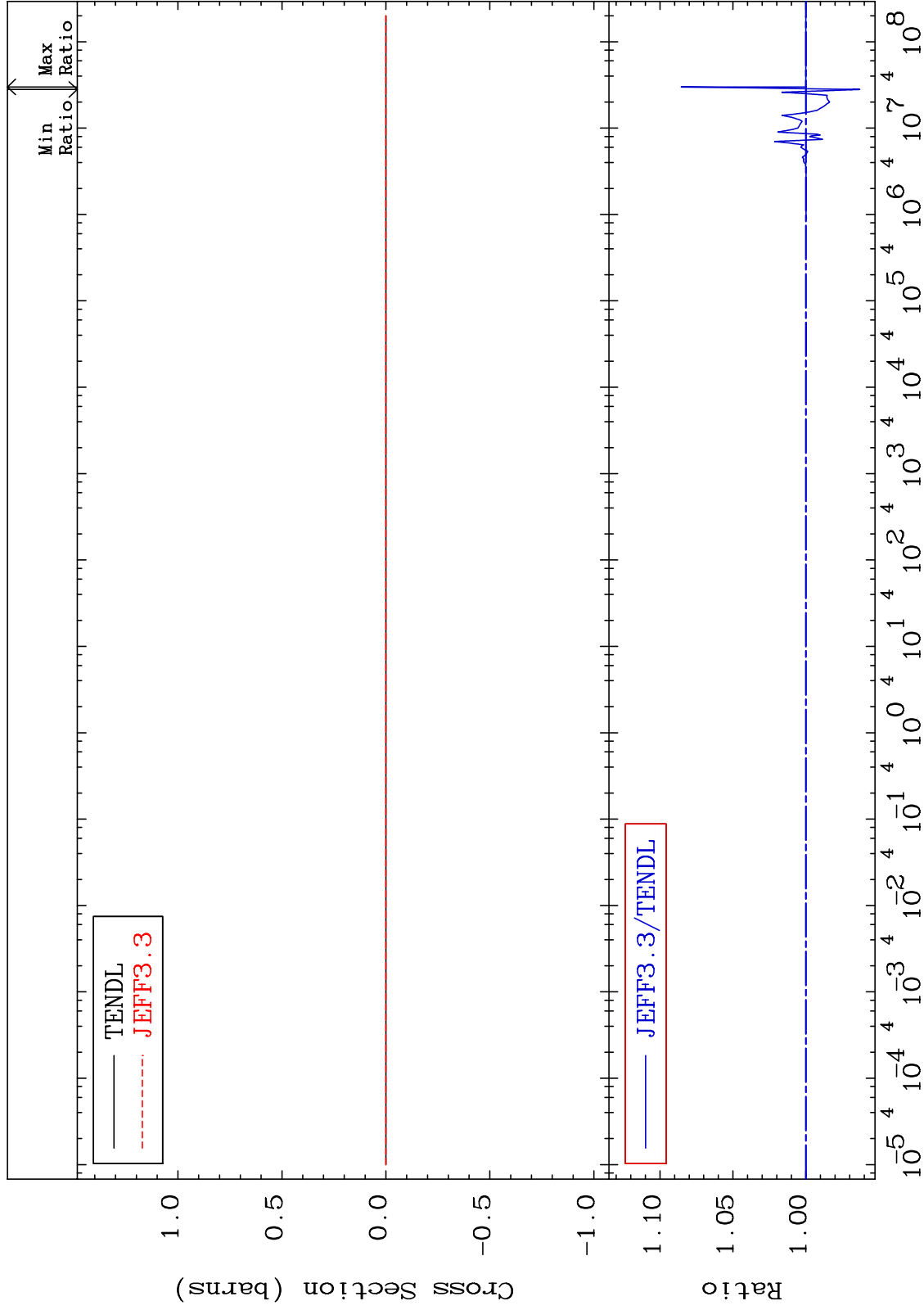
MAT 3643 Kerma inelastic (mt51-91) 36-Kr-84
Cross Section -3.690 To 8.542 %



MAT 3643

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

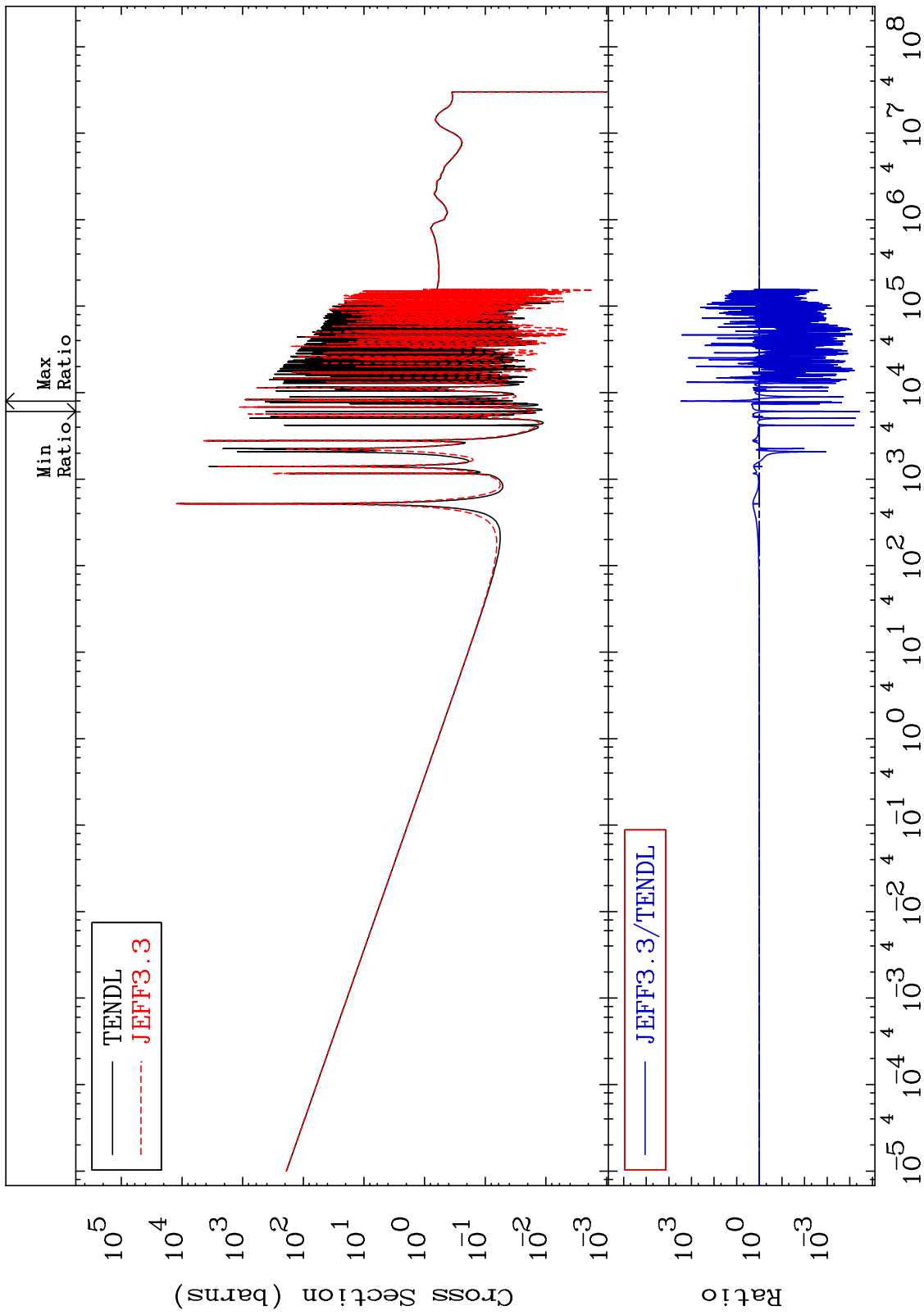
36-Kr-84
-3.690 To 8.542 %



MAT 3643

Kerma capture (mt102)
Cross Section

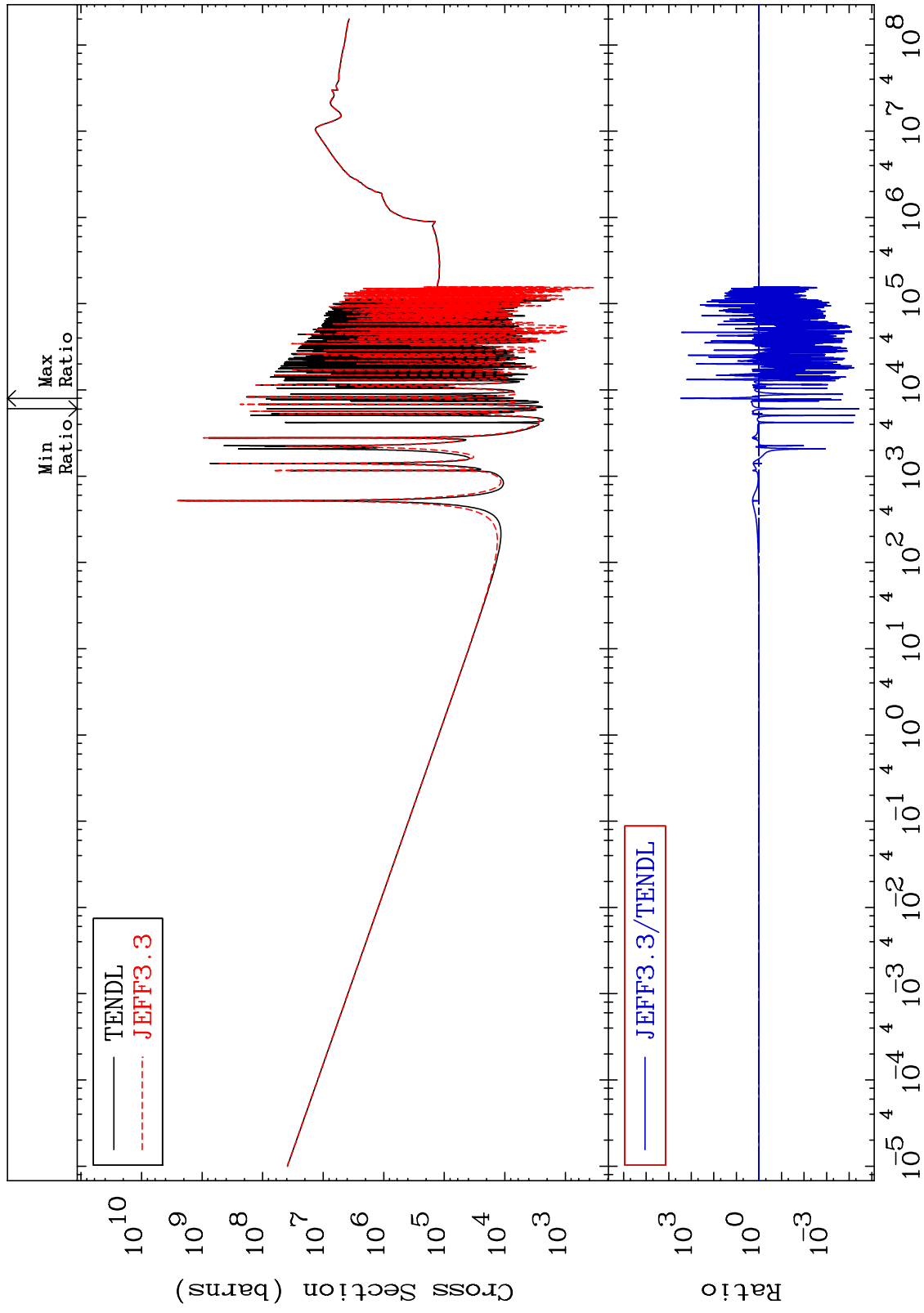
36-Kr-84
-100.0 To 9999. %



MAT 3643

Total photon (eV-barns)
Cross Section

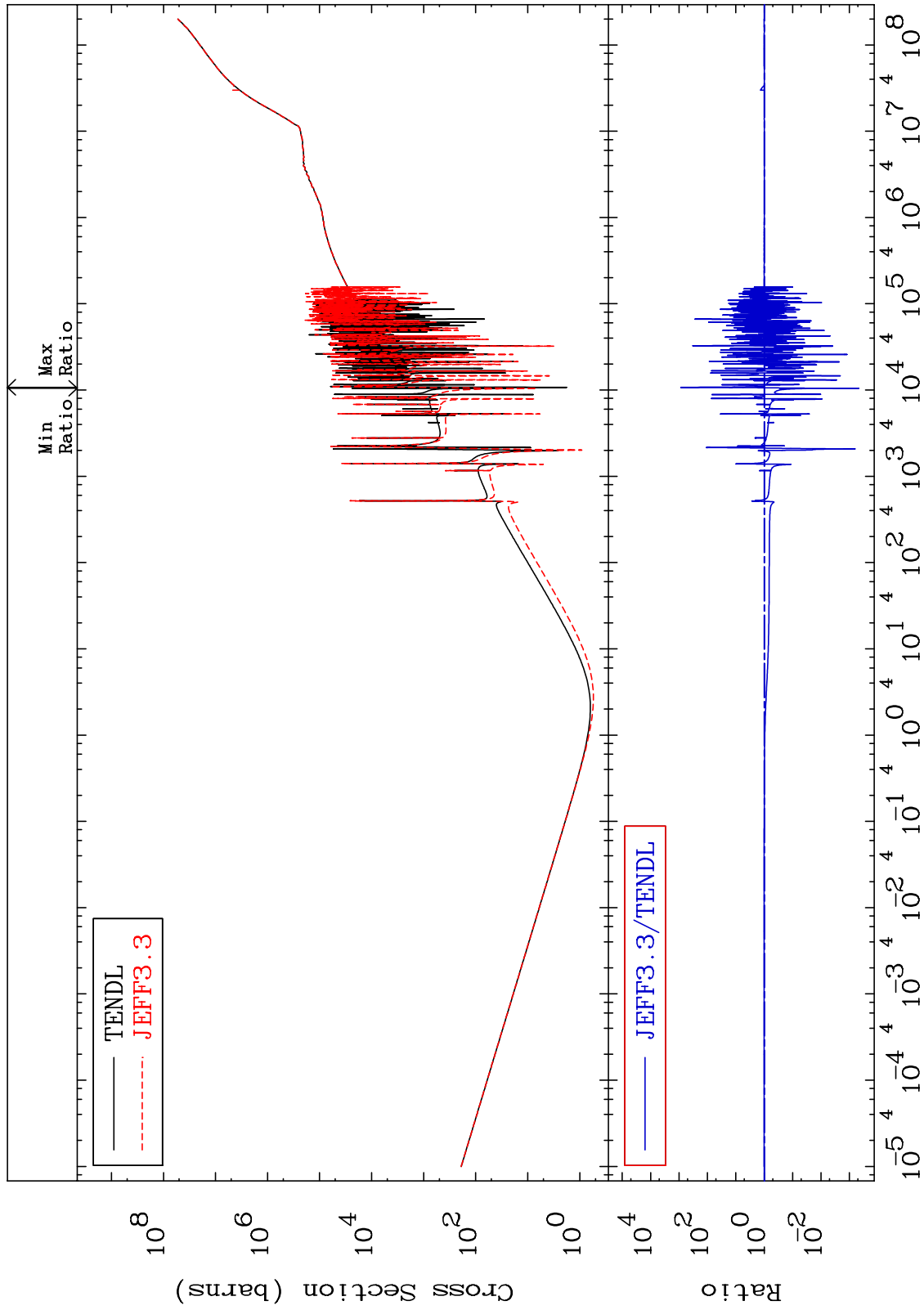
36-Kr-84
-100.0 To 9999. %



MAT 3643

Total kinematic kerma (high limit)
Cross Section

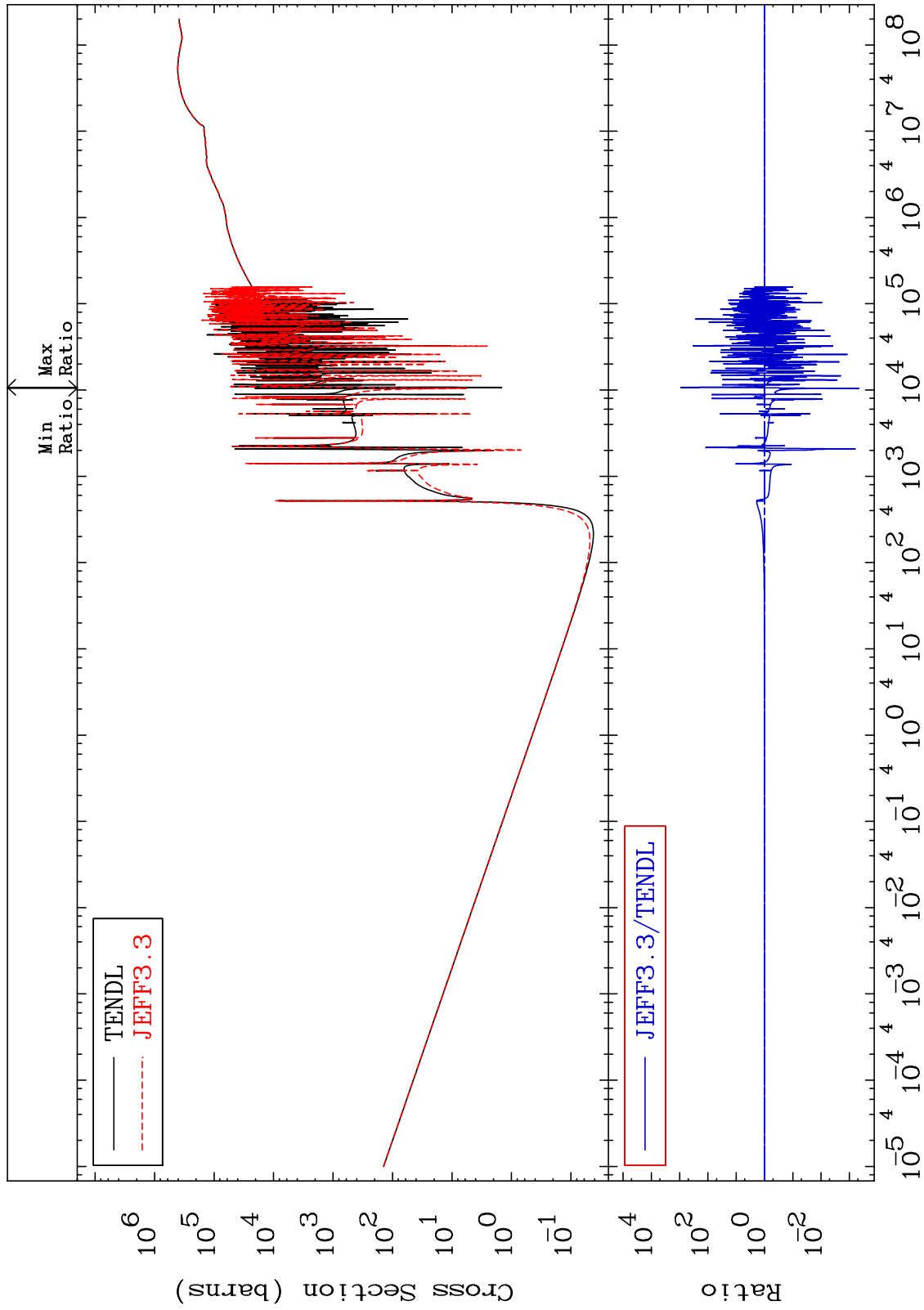
36-Kr-84
-99.95 To 9999. %



MAT 3643

Dpa total (eV-barns)
Cross Section

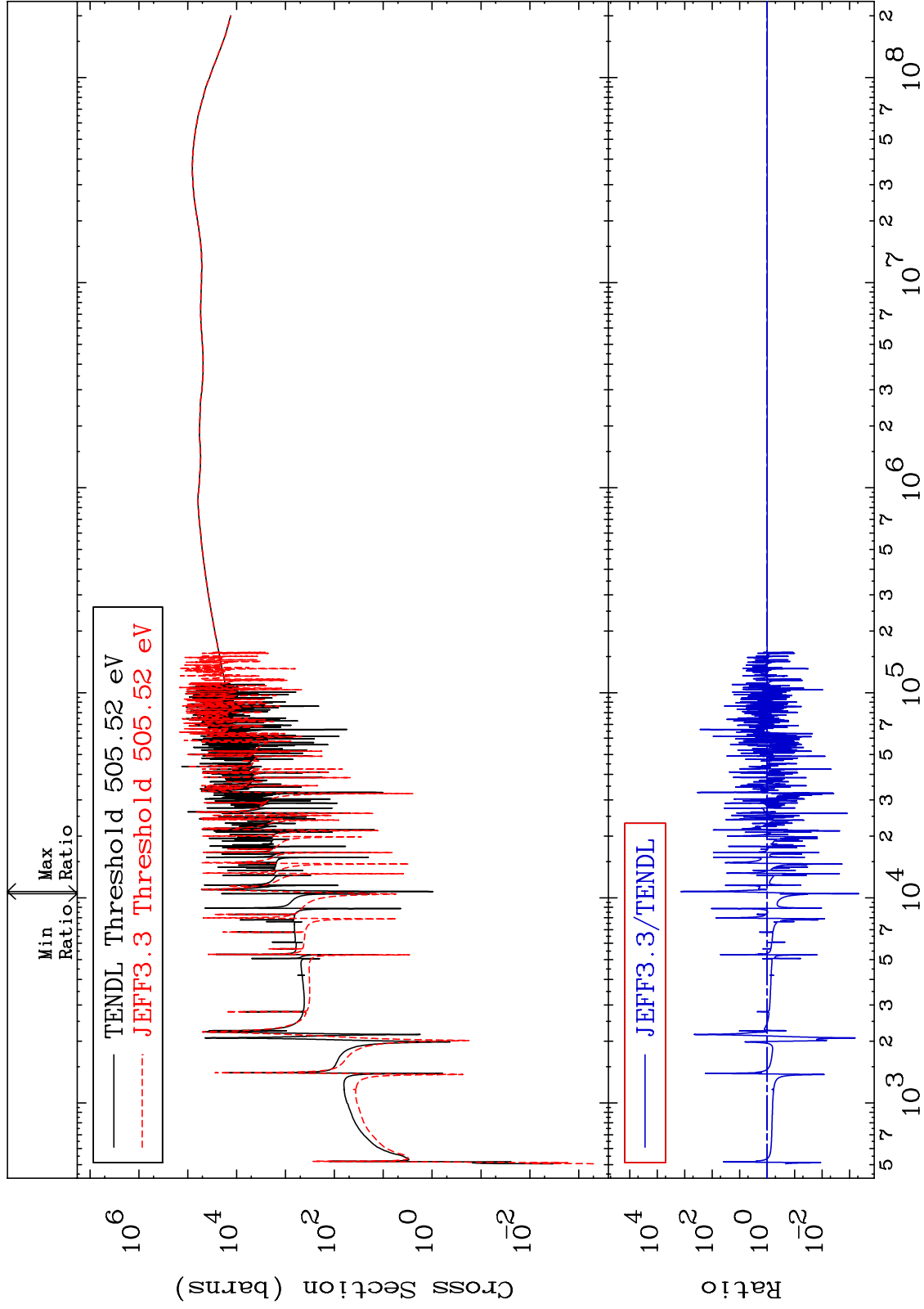
36-Kr-84
-99.95 To 9999. %



MAT 3643

Dpa elastic (mt2)
Cross Section

36-Kr-84
-99.95 To 9999. %



70

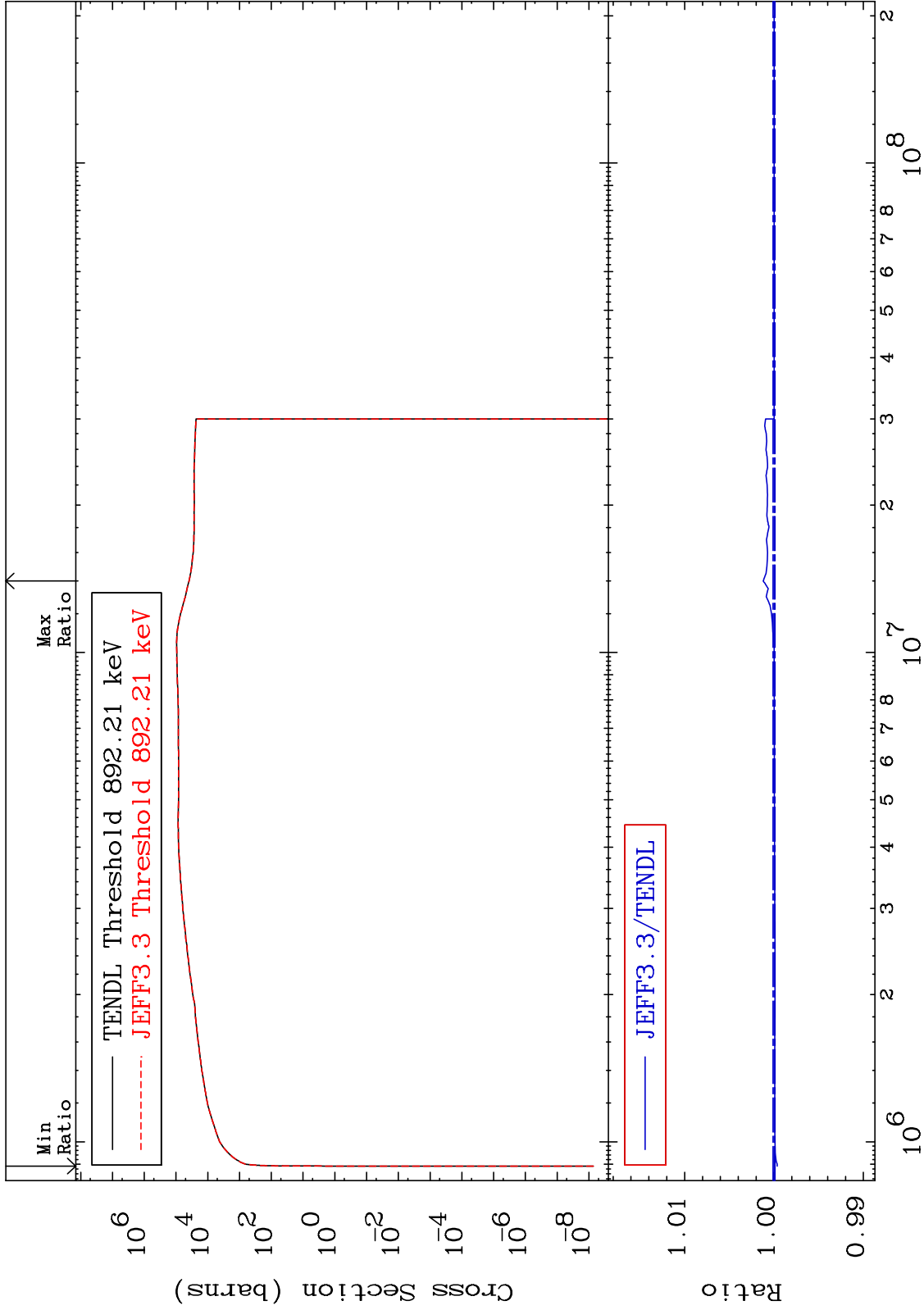
Incident Energy (eV)

36-Kr-84

MAT 3643

Dpa inelastic (mt51-91)
Cross Section

36-Kr-84
-0.036 To 0.120 %



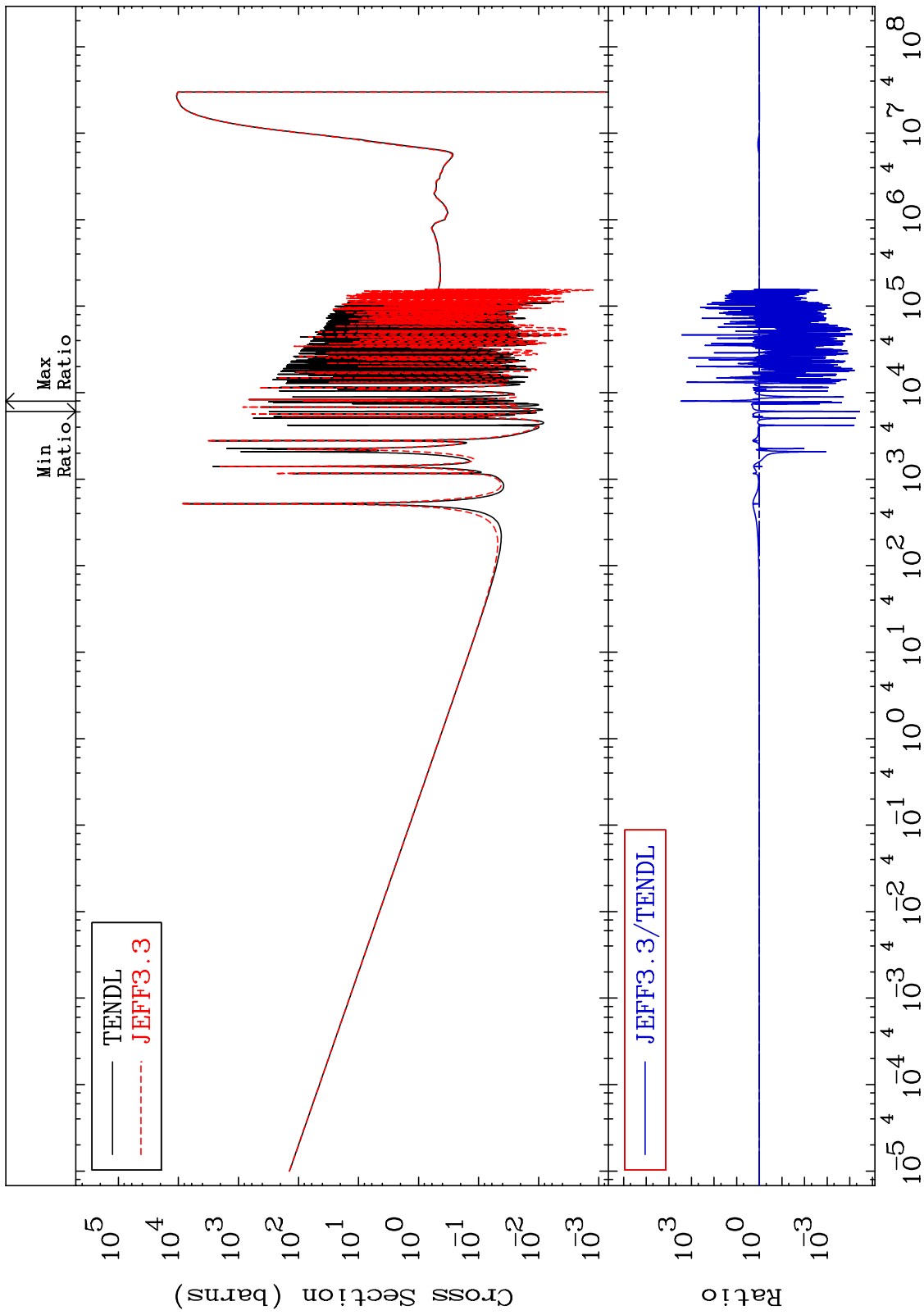
71

36-Kr-84

MAT 3643

Dpa disappearance (mt102 -120)
Cross Section

36-Kr-84
-100.0 To 9999. %



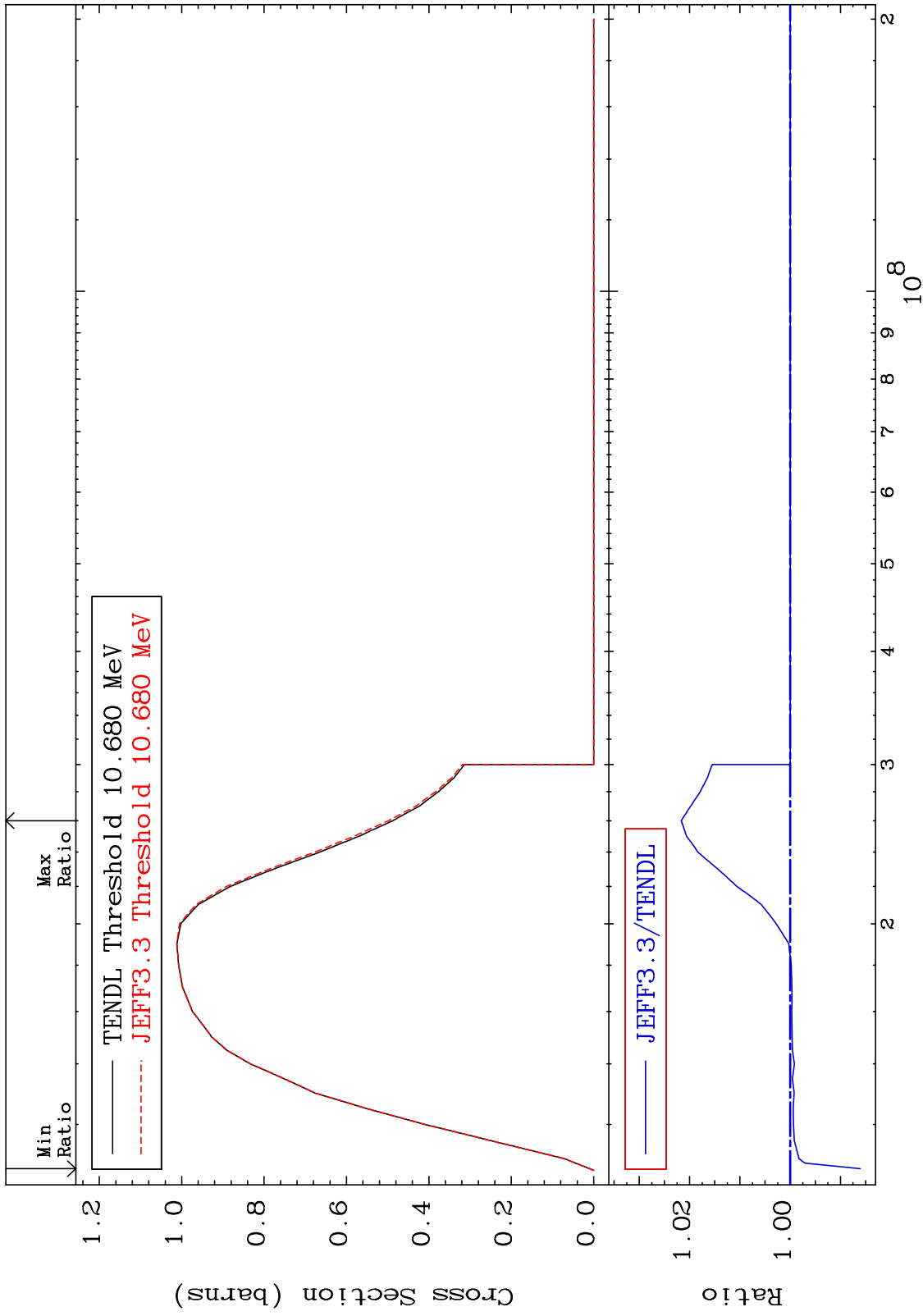
72

Incident Energy (eV)

36-Kr-84

MAT 3643

(n,2n):36-Kr-83g 36-Kr-84
Radionuclide Production Cross Section -1.392 To 2.165 %

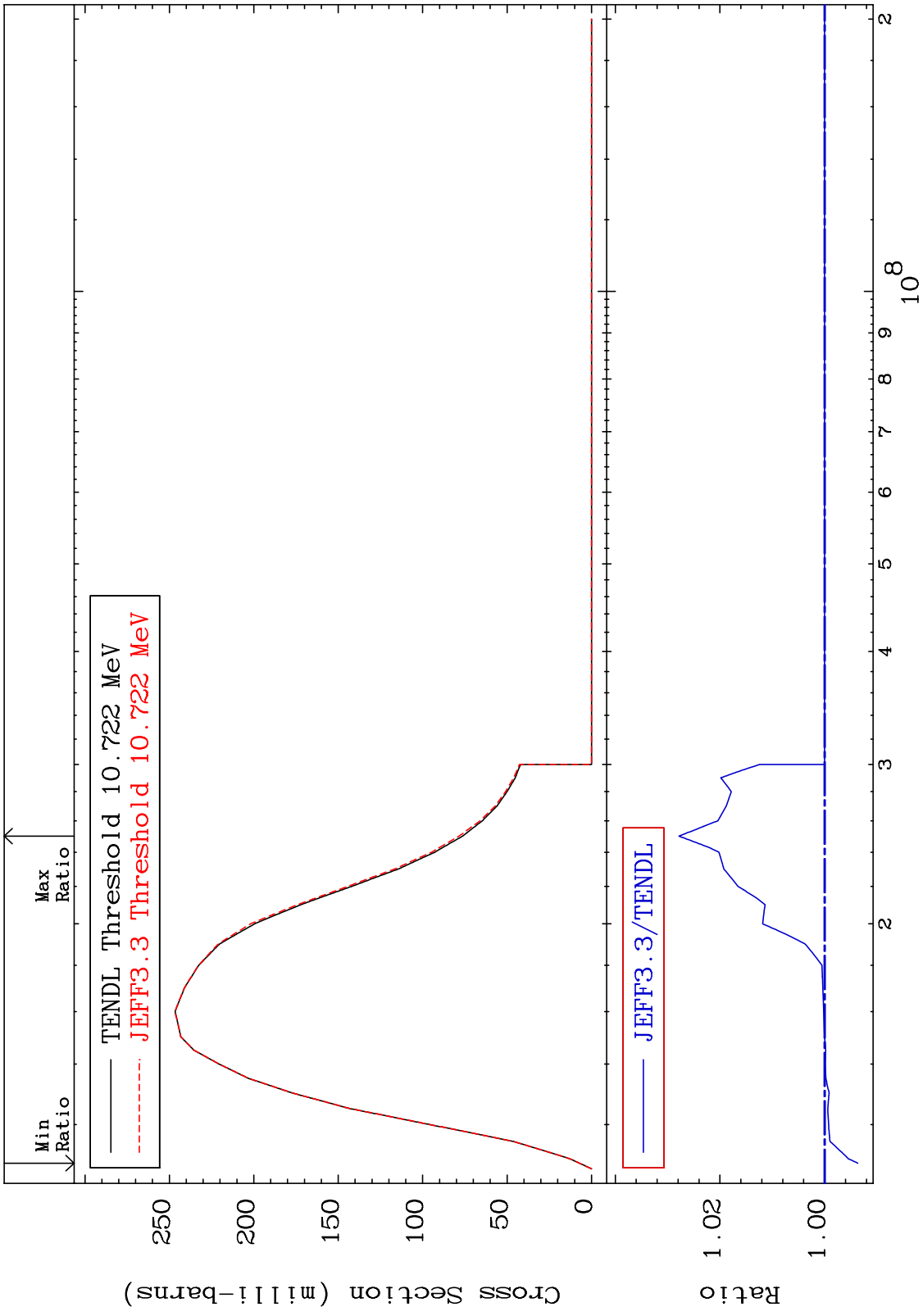


73

Incident Energy (eV)

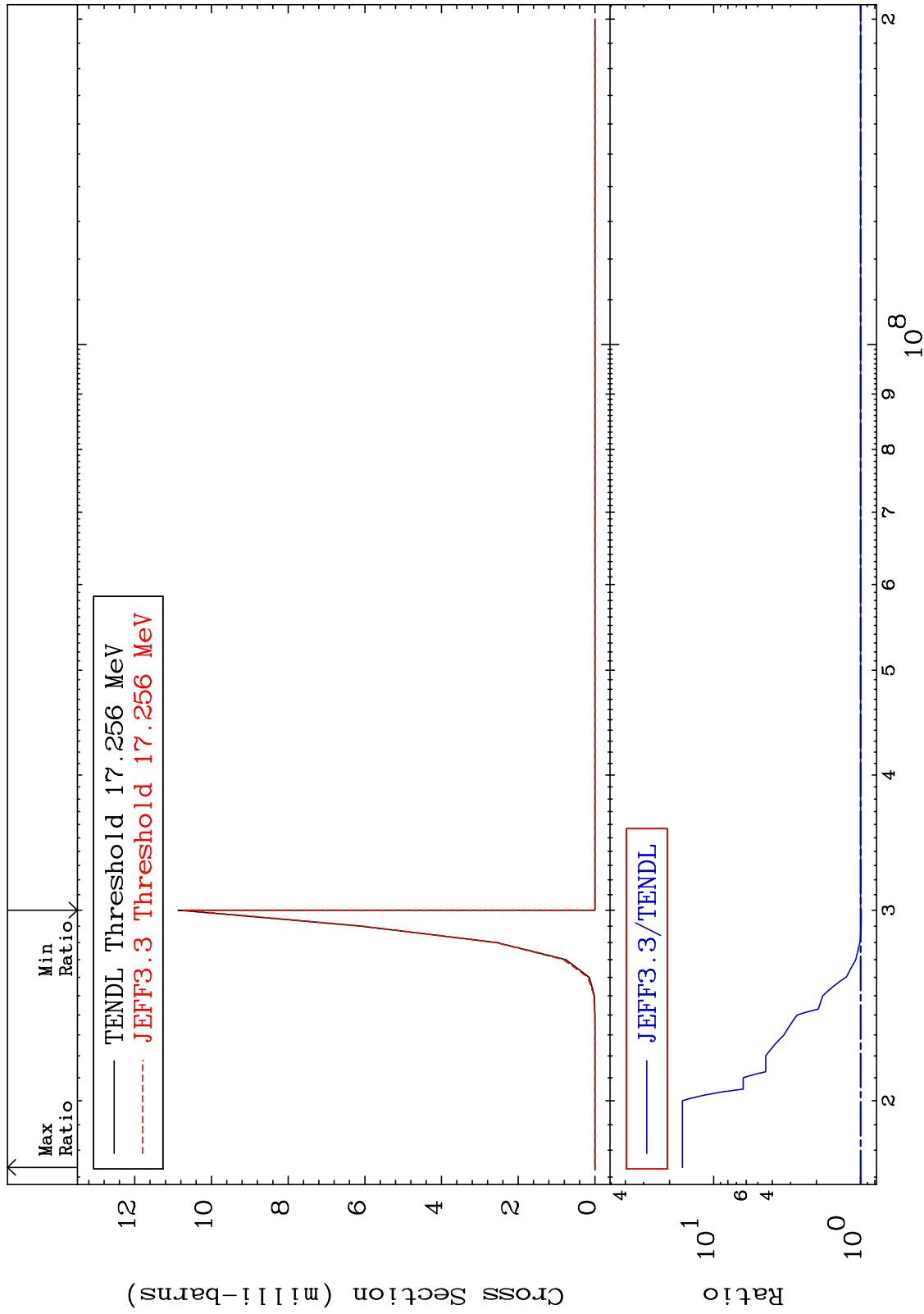
36-Kr-84

MAT 3643 (n,2n):36-Kr-83m2 36-Kr-84
 Radionuclide Production Cross Section -0.635 To 2.782 %



MAT 3643

(n,2n) α : 34-Se-79g 36-Kr-84
Radionuclide Production Cross Section -1.064 To 1532. %



75

Incident Energy (eV)

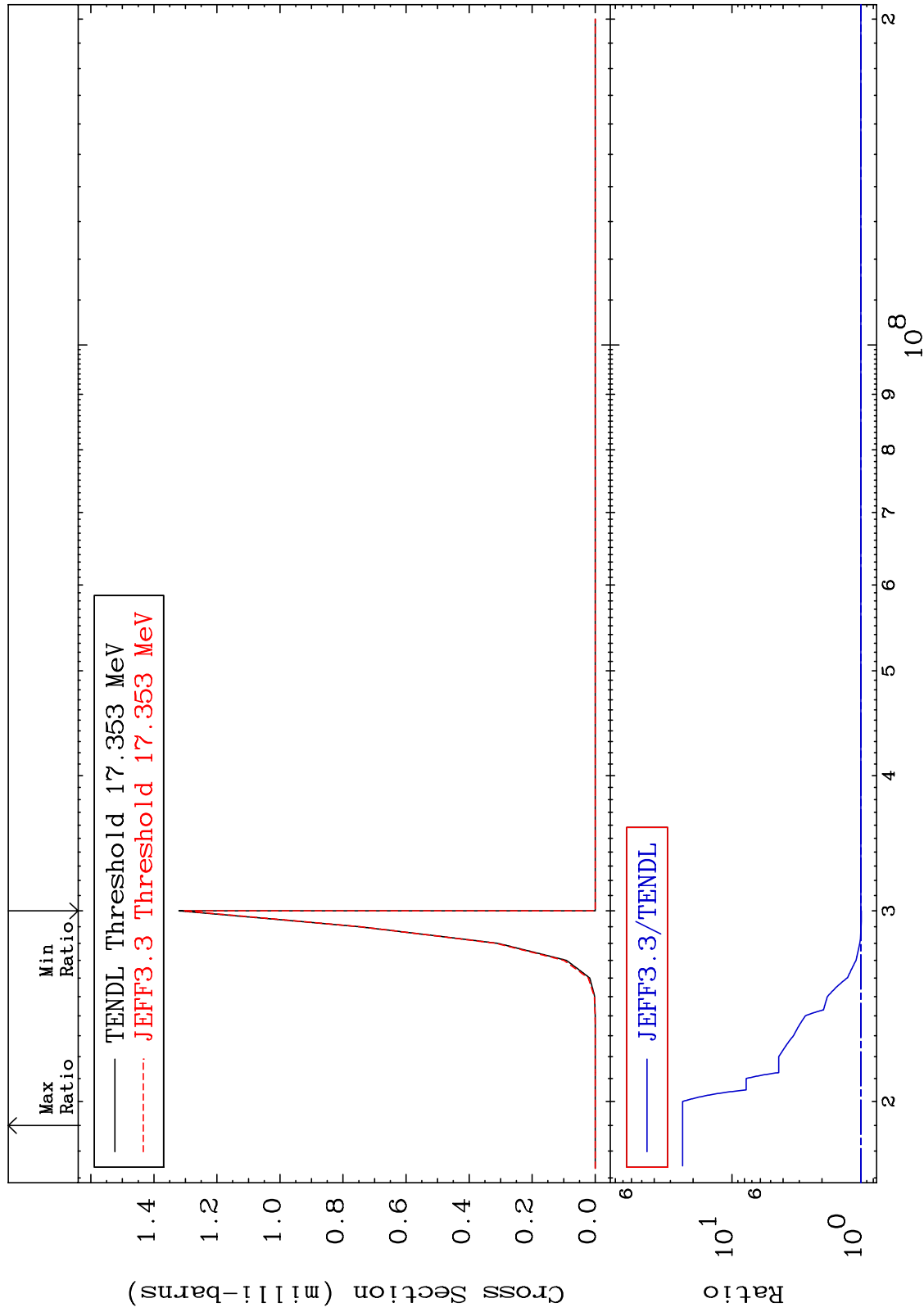
36-Kr-84

MAT 3643

(n,2n) α :34-Se-79m1

36-Kr-84

Radionuclide Production Cross Section -0.909 To 2307. %

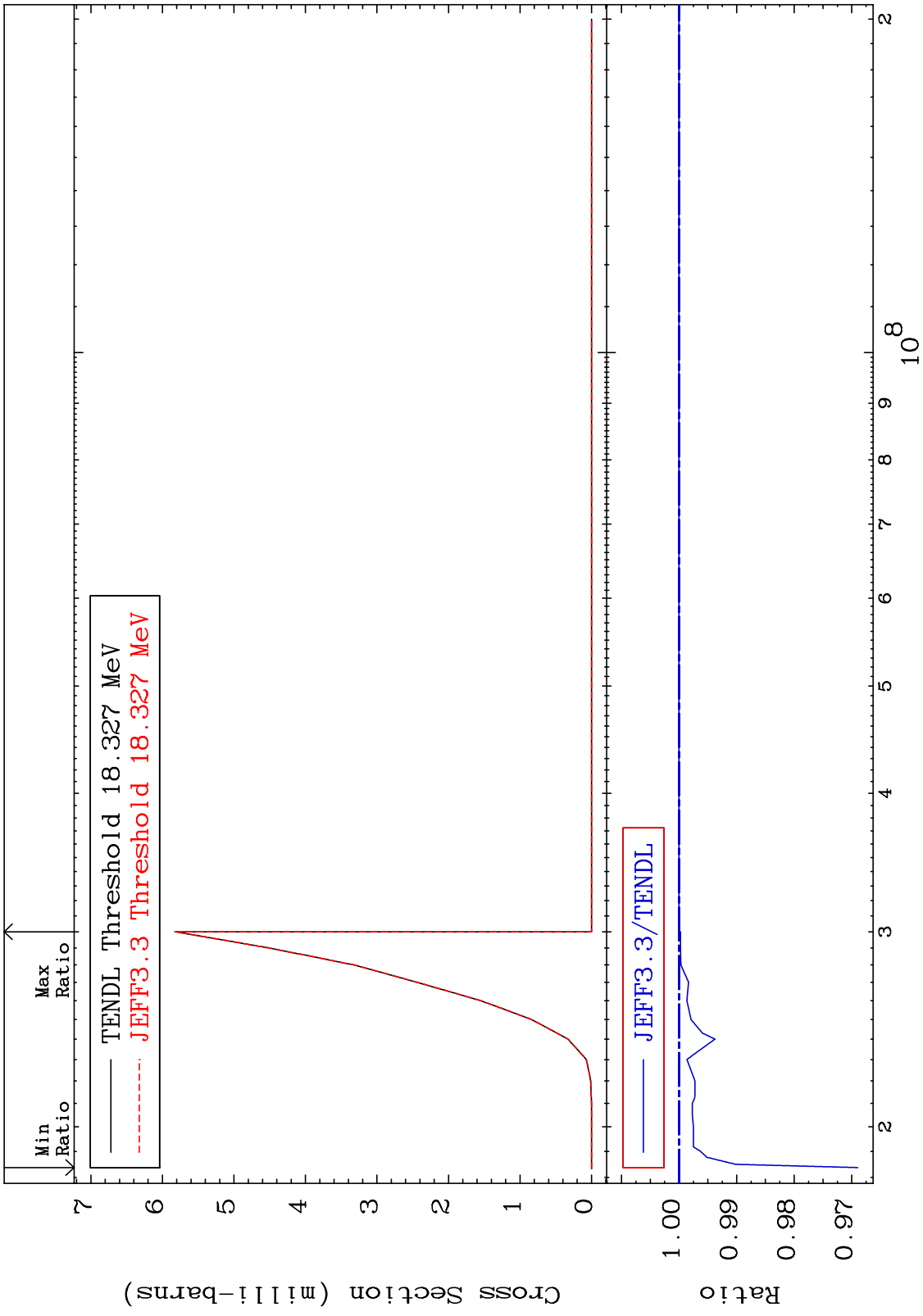


76

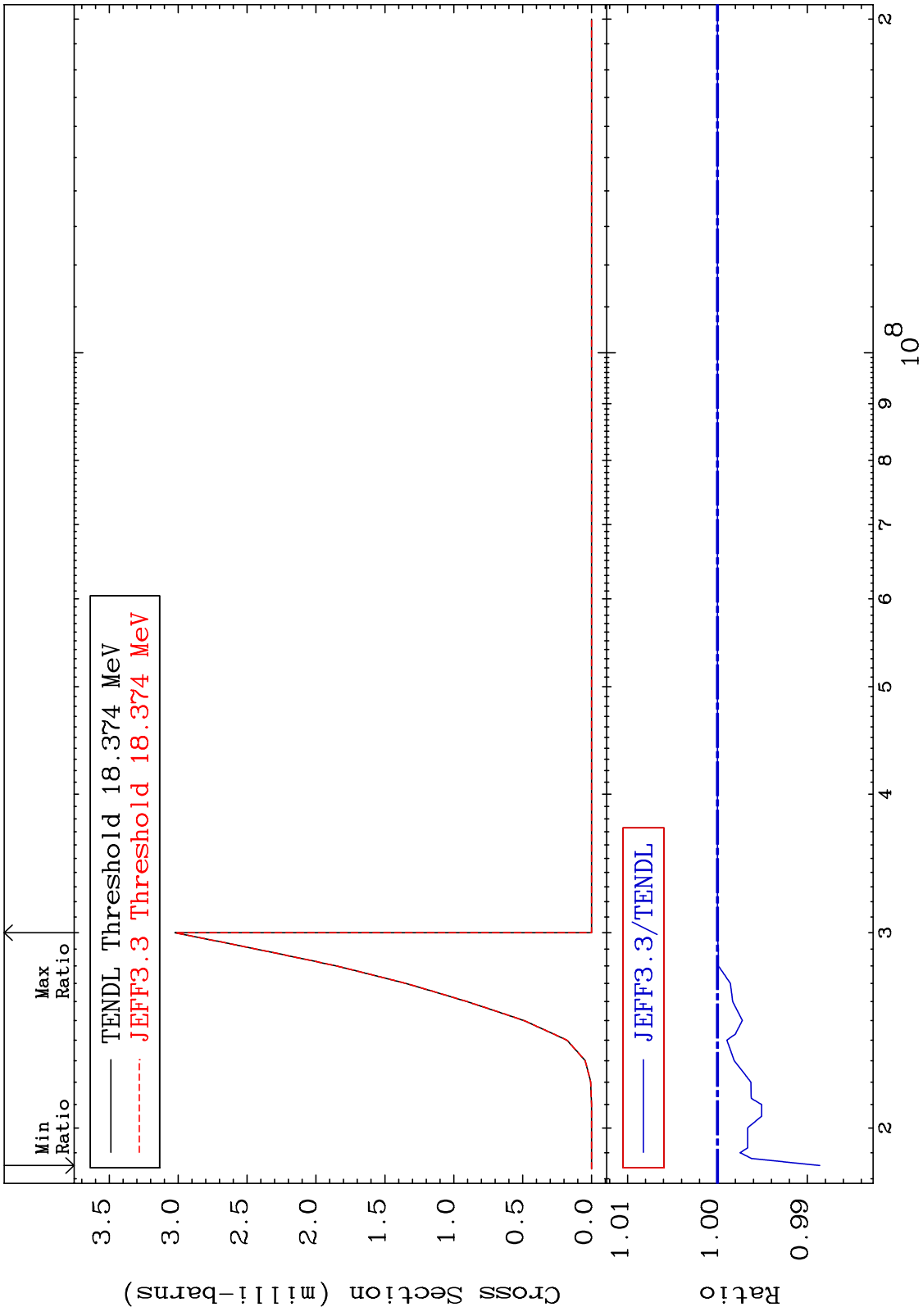
Incident Energy (eV)

36-Kr-84

MAT 3643 (n, n') d: 35-Br-82g 36-Kr-84
 Radionuclide Production Cross Section -3.106 To 0.000 %

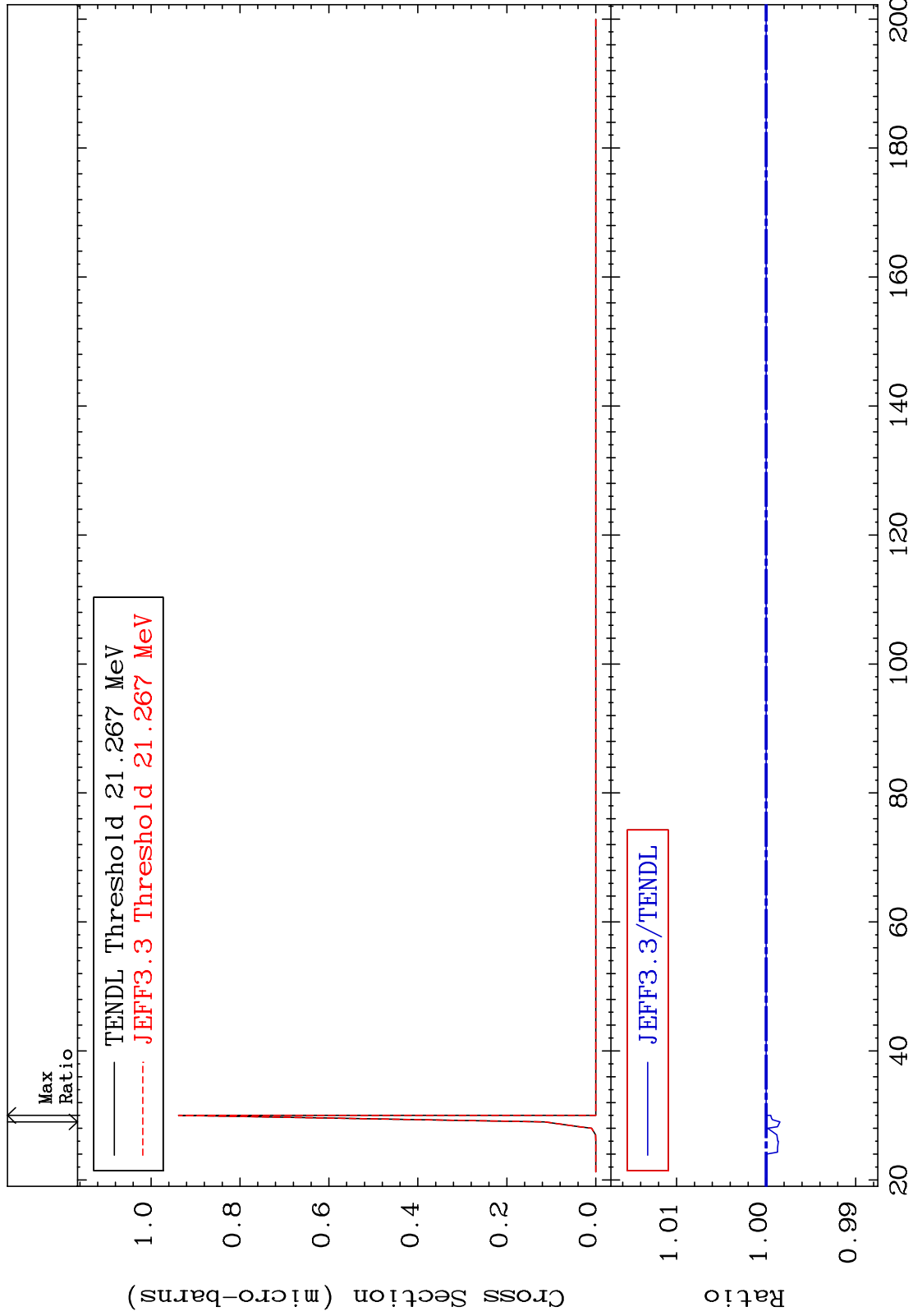


MAT 3643 (n, n') d:35-Br-82m1 36-Kr-84
 Radionuclide Production Cross Section -1.136 To 0.003 %



MAT 3643

(n,n') He-3:34-Se-81g 36-Kr-84
Radionuclide Production Cross Section -0.153 To 0.000 %



79

Incident Energy (MeV)

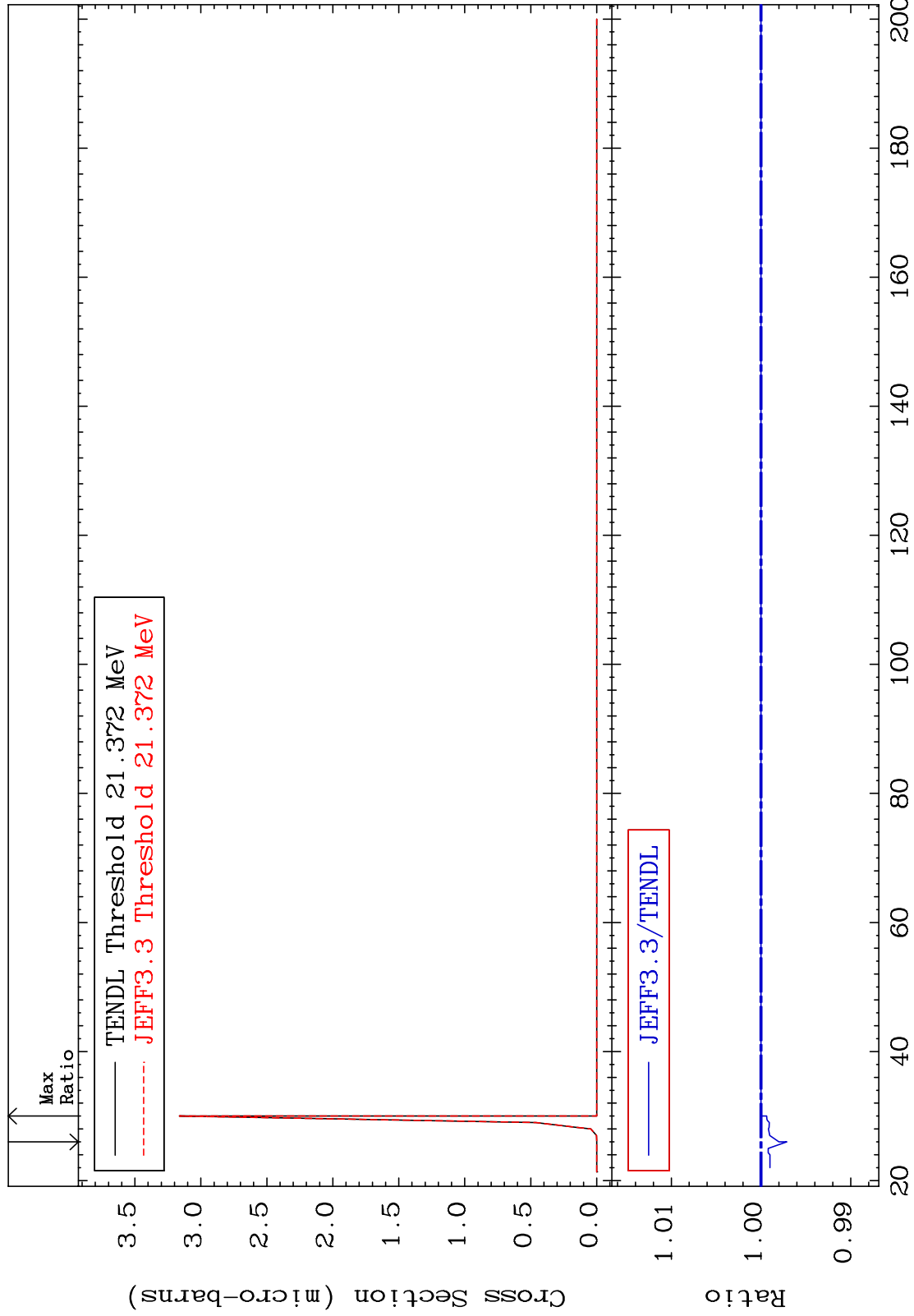
36-Kr-84

MAT 3643

(n,n') He-3:34-Se-81m1

36-Kr-84

Radionuclide Production Cross Section -0.289 To 0.000 %

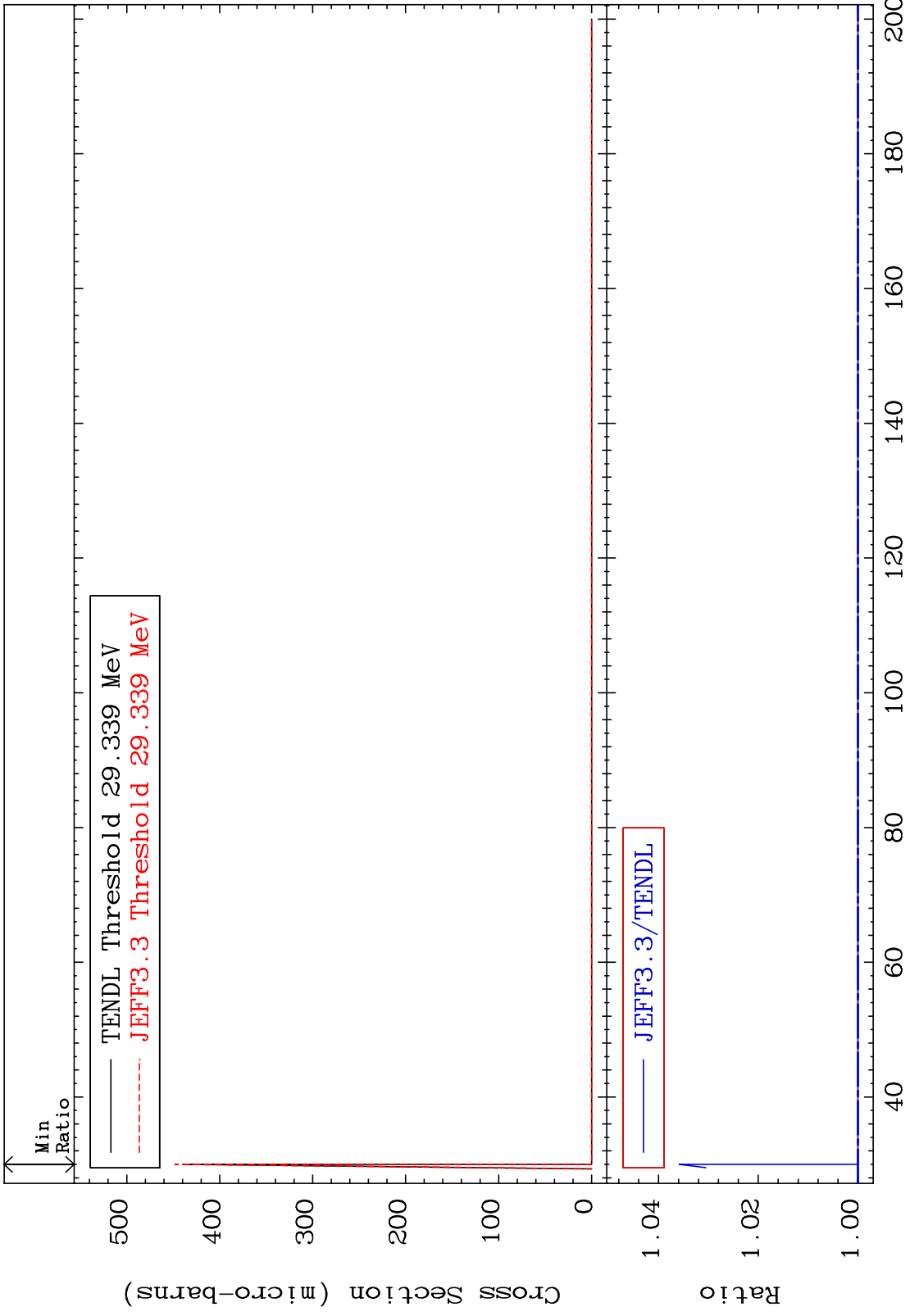


80

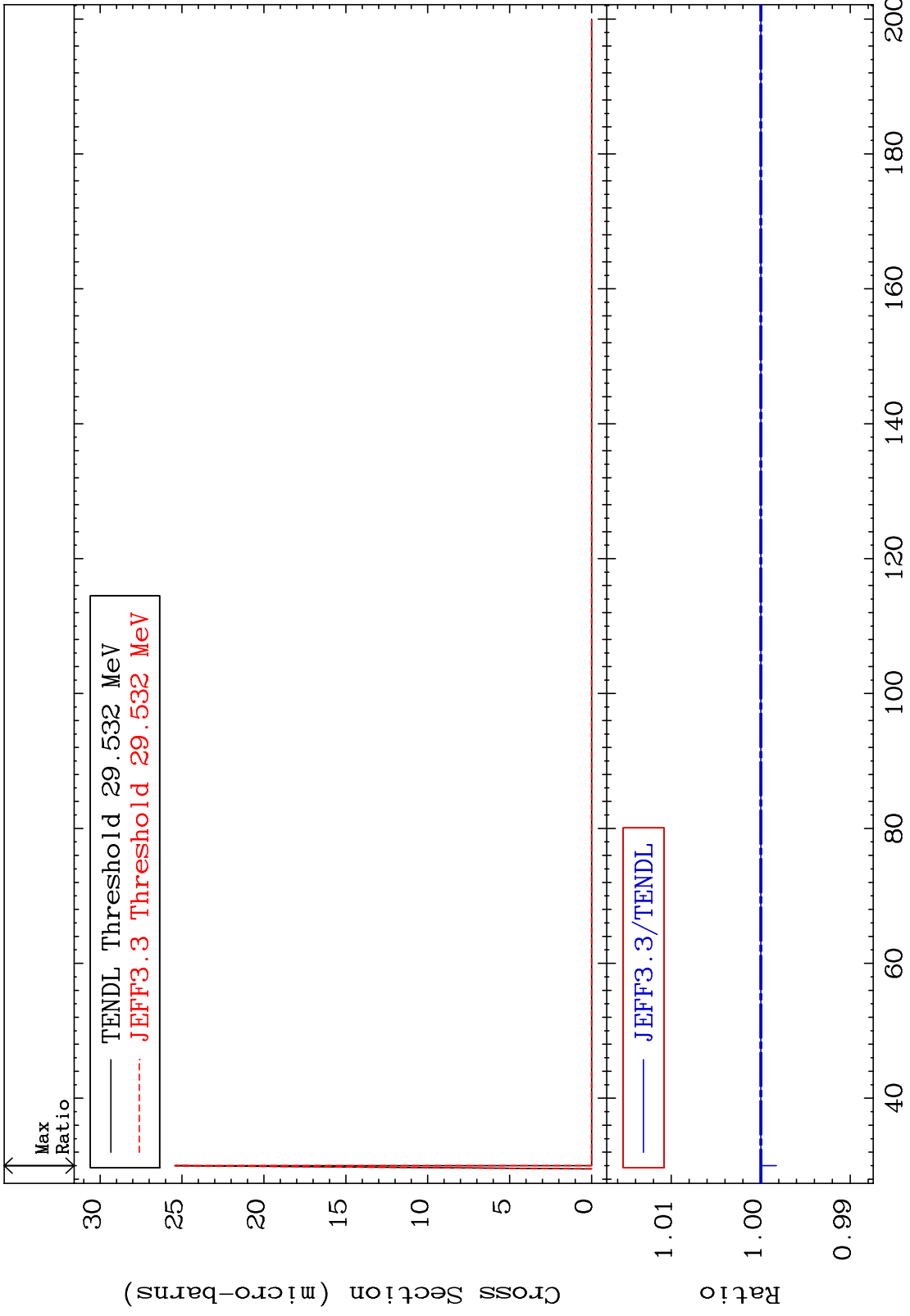
Incident Energy (MeV)

36-Kr-84

MAT 3643 (n,4n):36-Kr-81g 36-Kr-84
 Radionuclide Production Cross Section 0.000 To 3.588 %

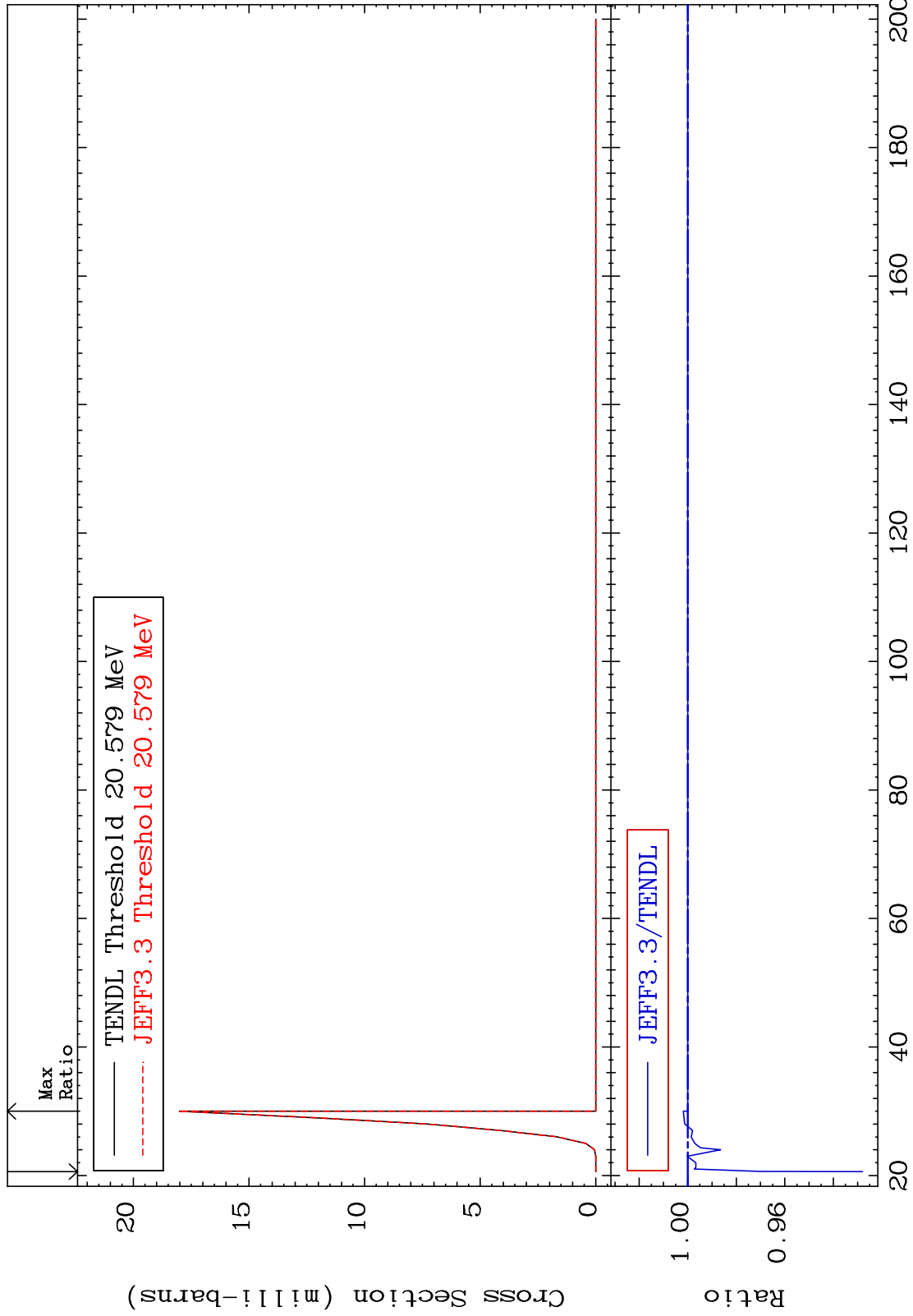


MAT 3643 (n,4n):36-Kr-81m2 36-Kr-84
 Radionuclide Production Cross Section -0.173 To 0.000 %



MAT 3643

(n,2n) p:35-Br-82g 36-Kr-84
Radionuclide Production Cross Section -7.204 To 0.178 %

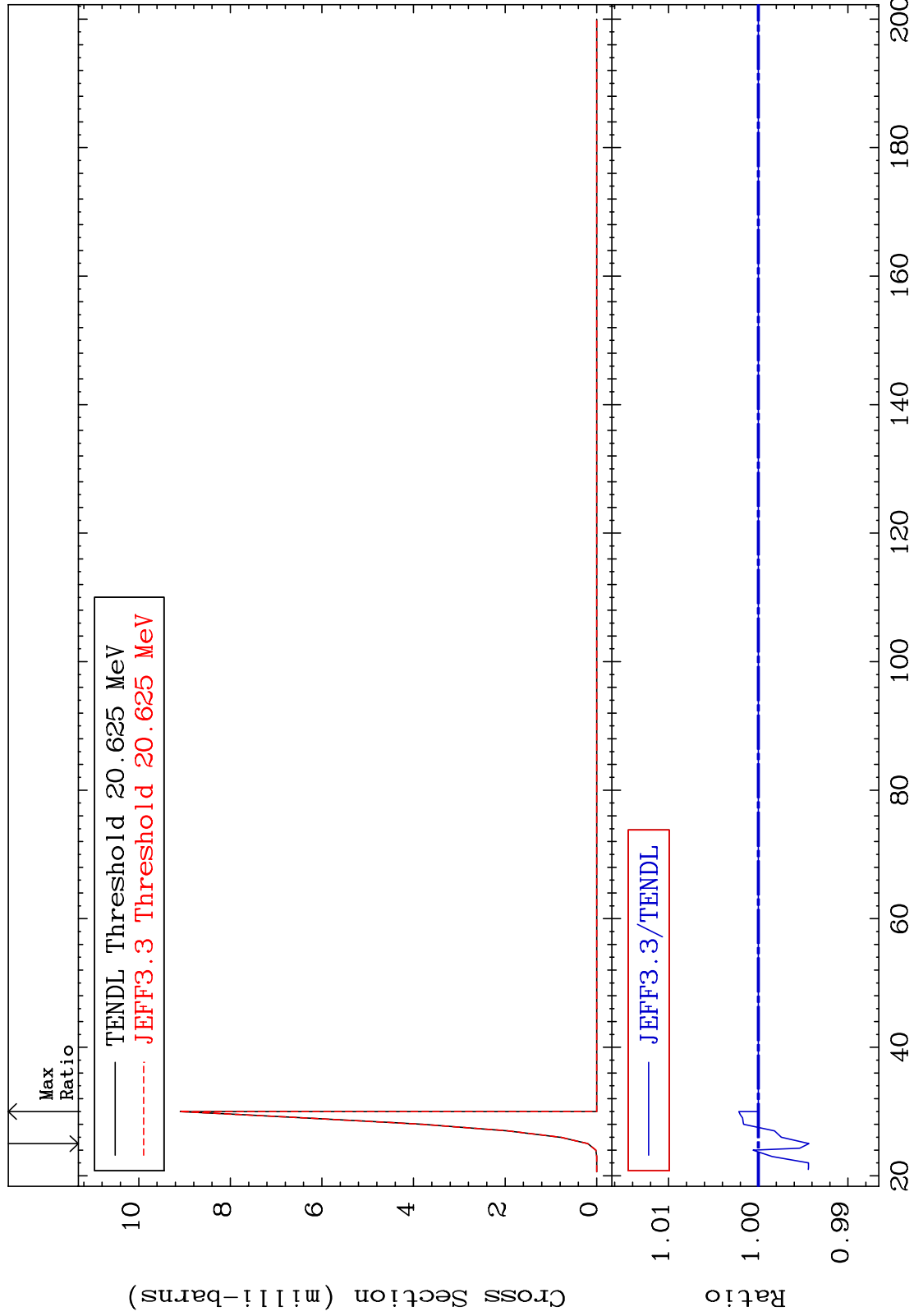


MAT 3643

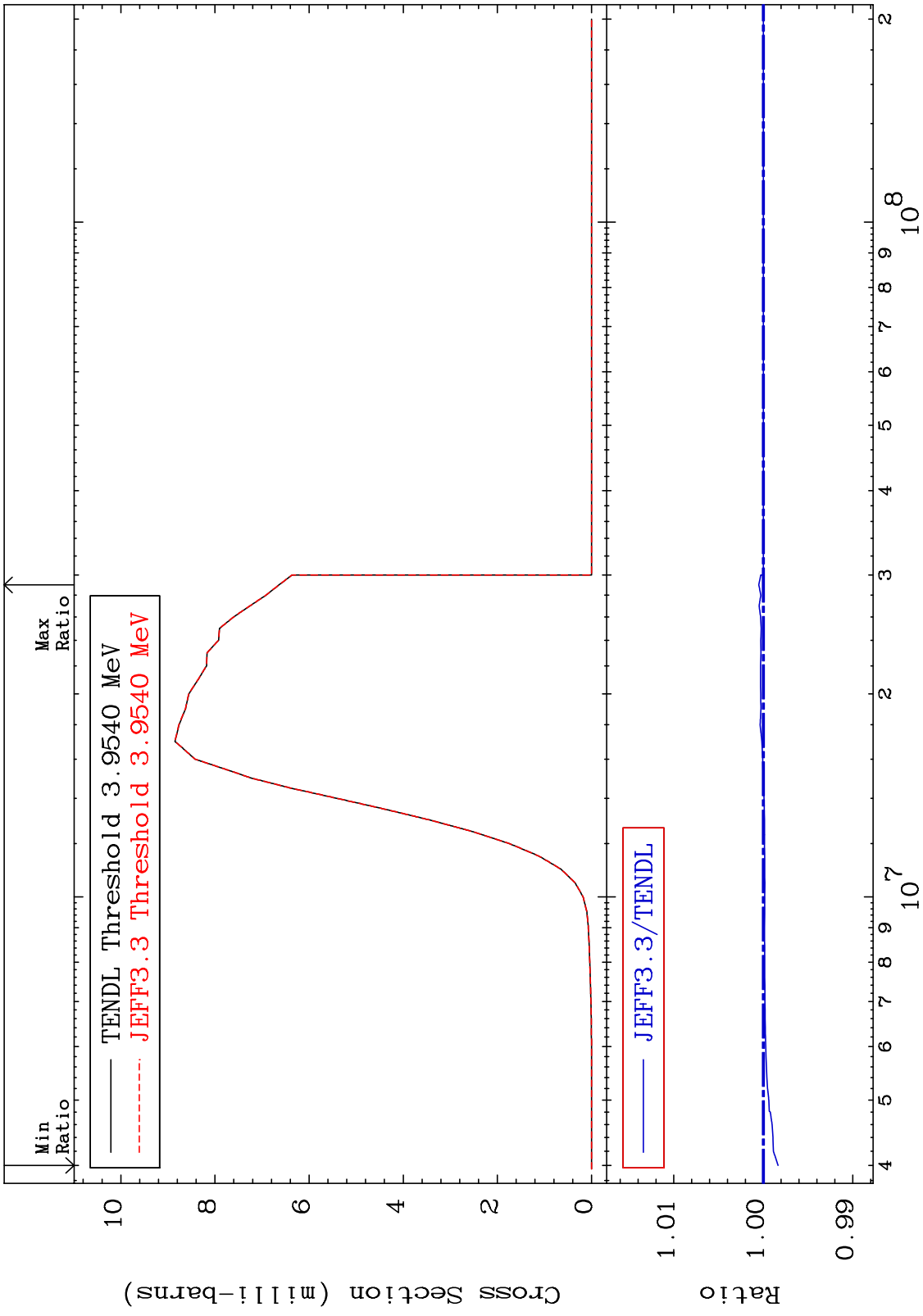
(n,2n) p:35-Br-82m1

36-Kr-84

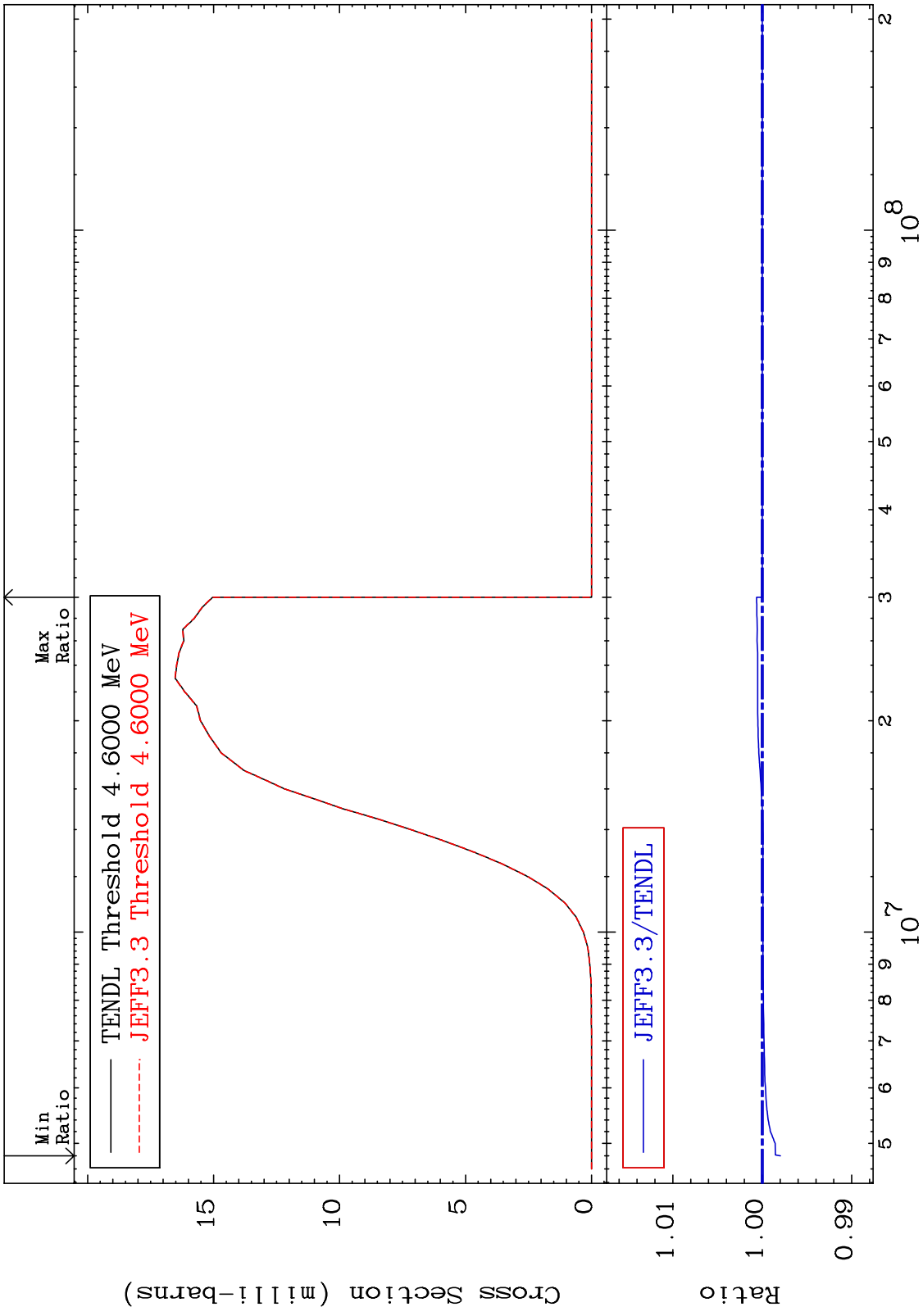
Radionuclide Production Cross Section -0.566 To 0.216 %



MAT 3643 (n,p):35-Br-84g 36-Kr-84
 Radionuclide Production Cross Section -0.165 To 0.050 %

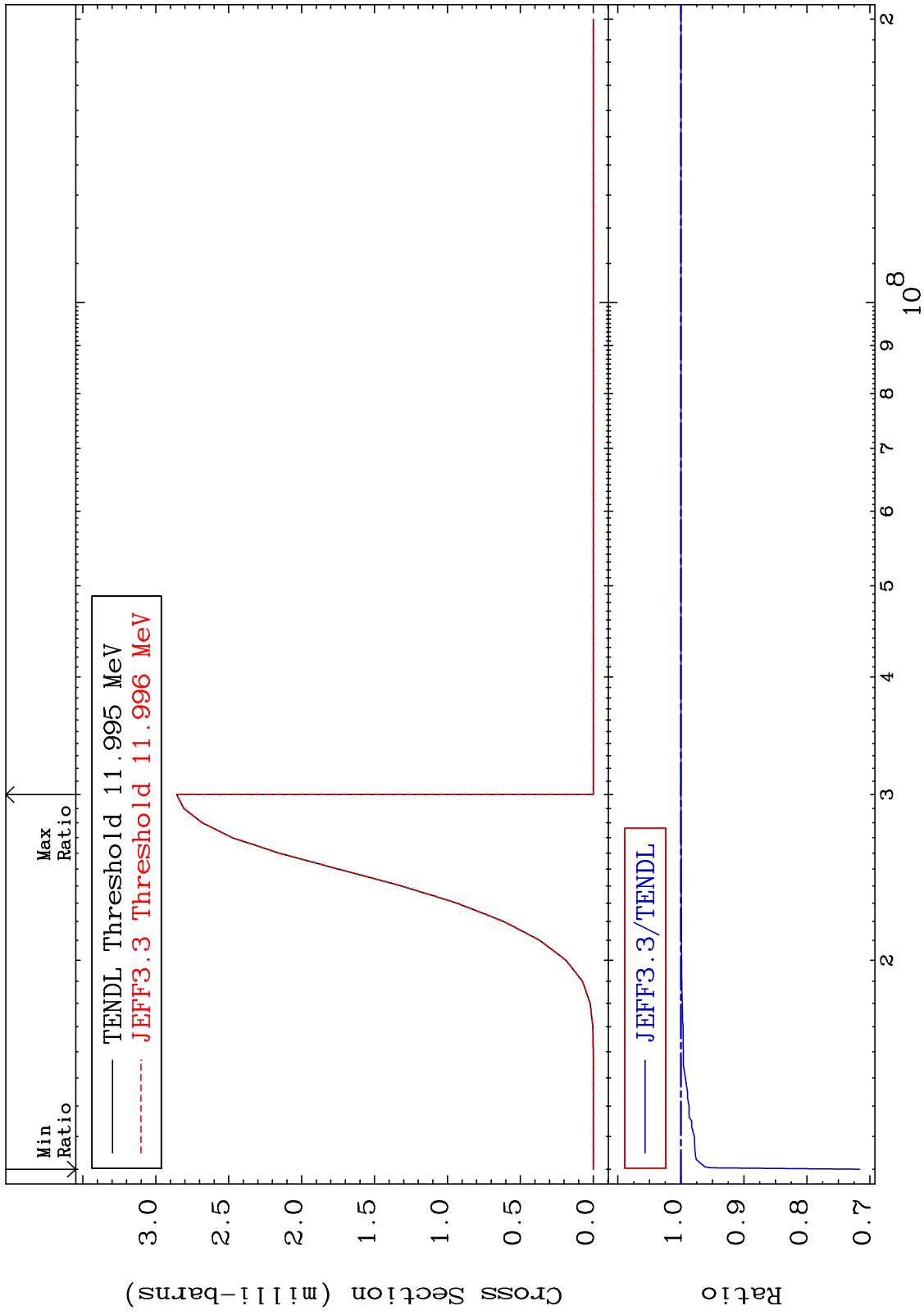


MAT 3643 (n,p):35-Br-84m1 36-Kr-84
 Radionuclide Production Cross Section -0.202 To 0.064 %



MAT 3643

(n, t) : 35-Br-82g 36-Kr-84
Radionuclide Production Cross Section -28.38 To 0.010 %

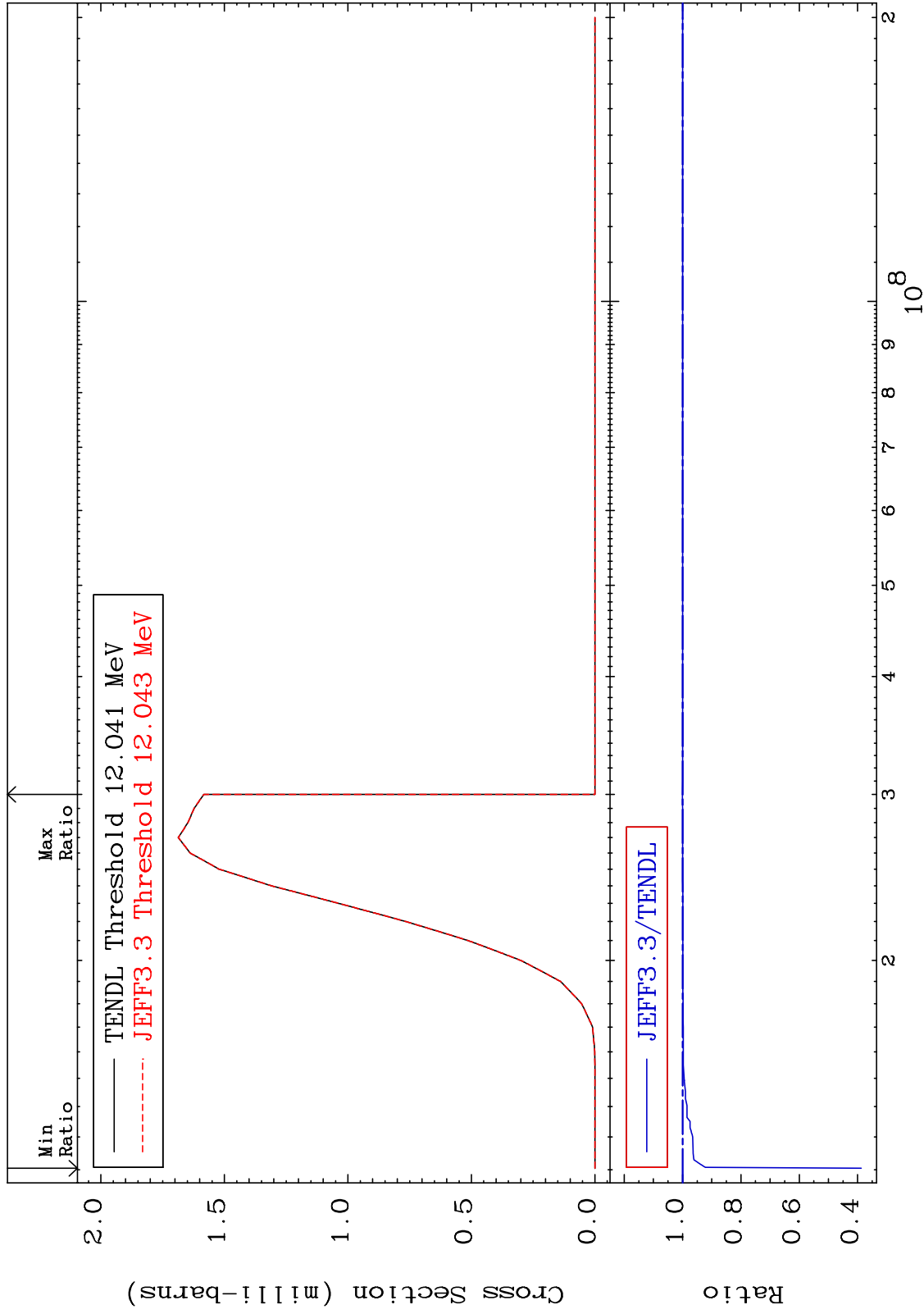


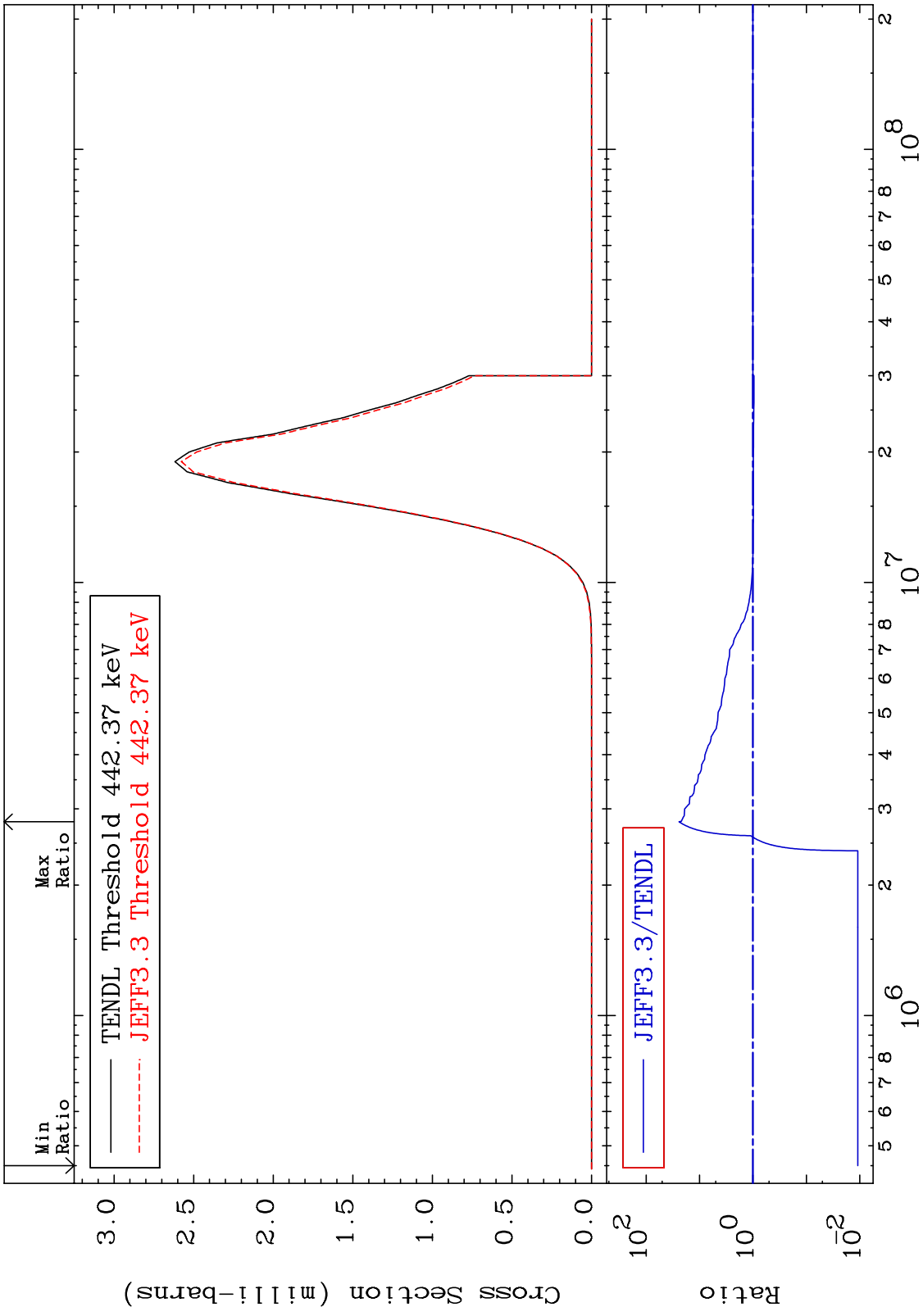
MAT 3643

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

36-Kr-84

Radionuclide Production Cross Section -61.26 To 0.036 %



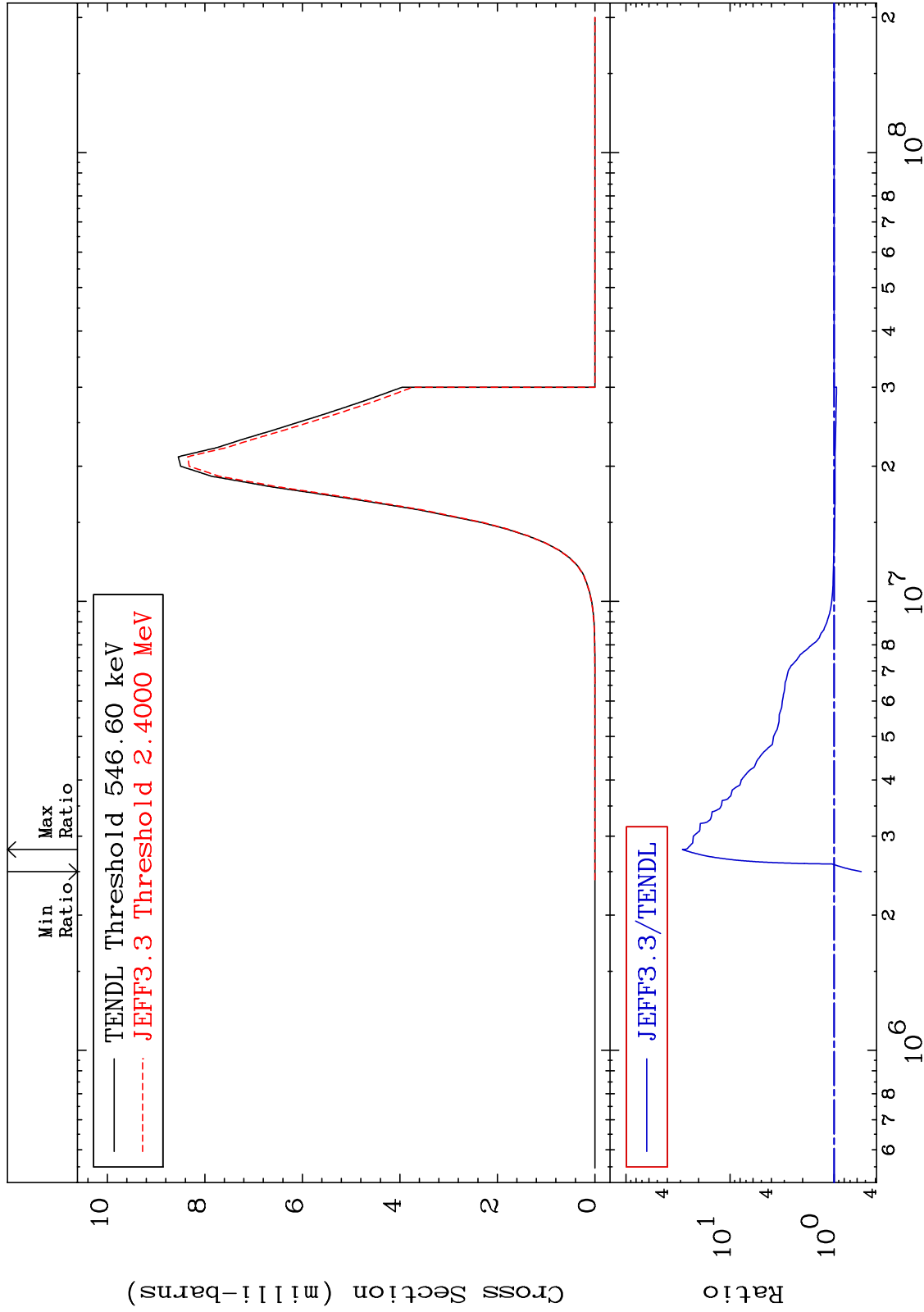


MAT 3643

(n, α): 34-Se-81m1

36-Kr-84

Radionuclide Production Cross Section -45.30 To 2762. %



90

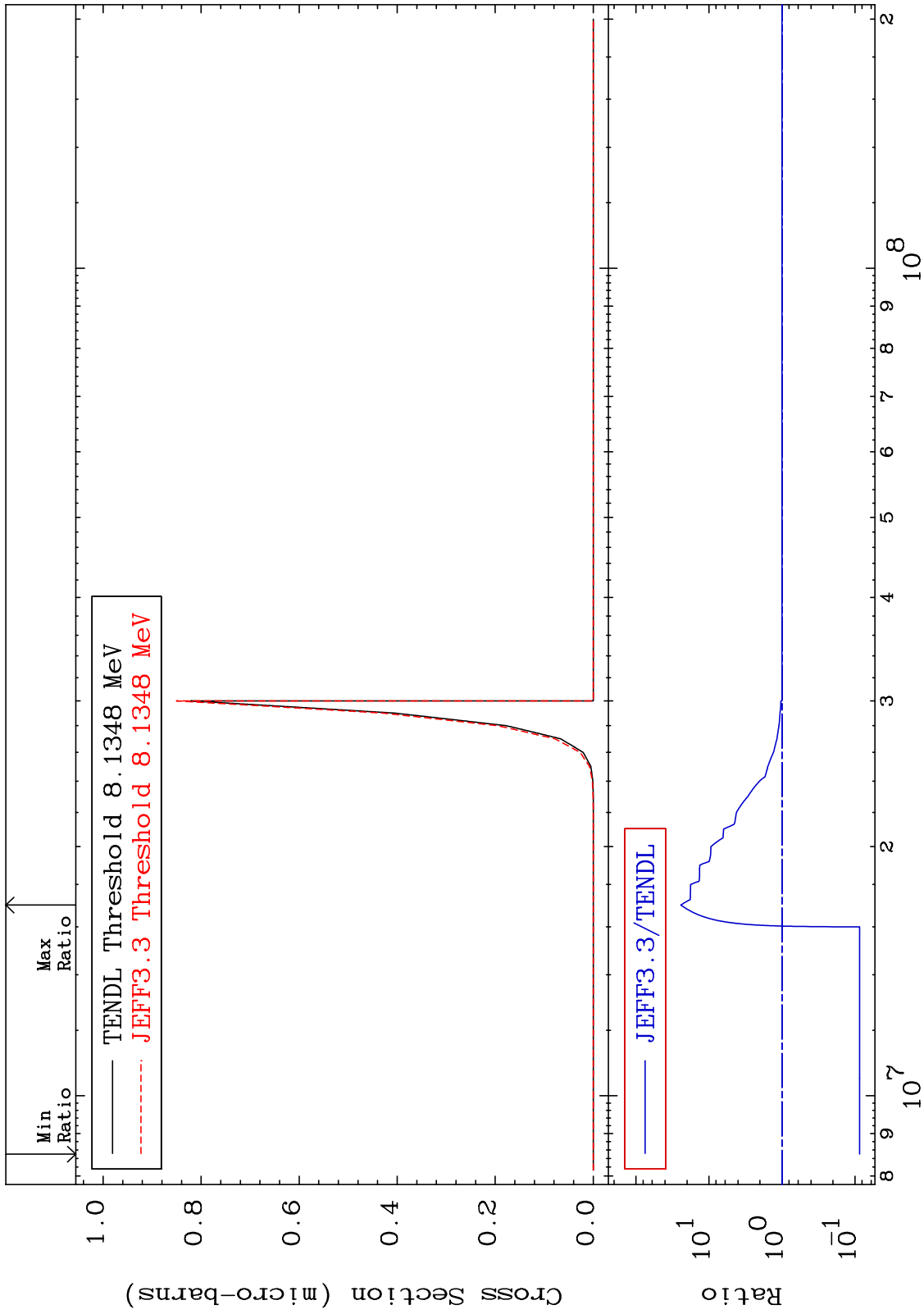
Incident Energy (eV)

36-Kr-84

MAT 3643

36-Kr-84

(n,2α) : 32-Ge-77g
Radionuclide Production Cross Section -91.39 To 2332. %



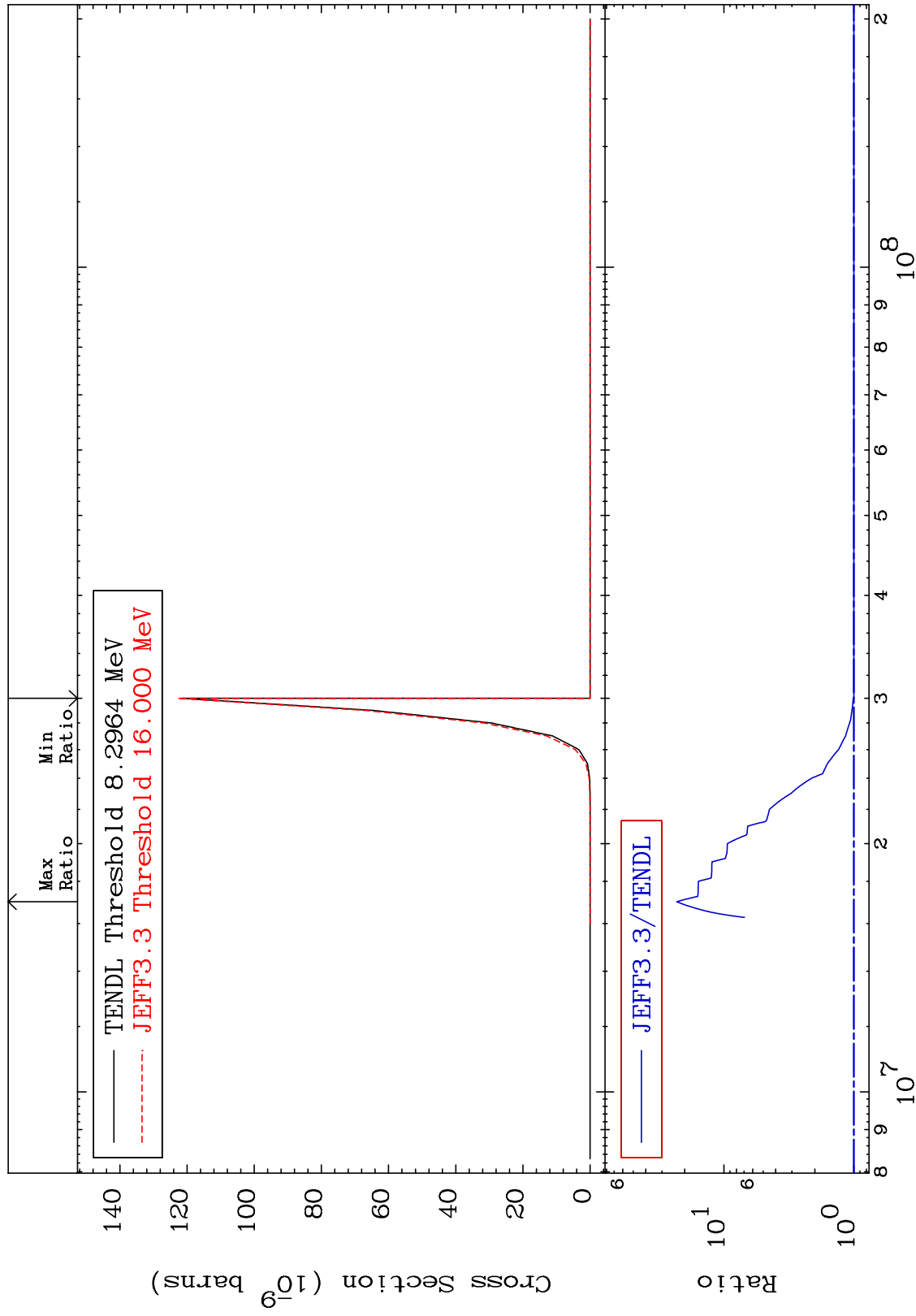
91

Incident Energy (eV)

36-Kr-84

MAT 3643

(n,2α):32-Ge-77m1 36-Kr-84
Radionuclide Production Cross Section 0.000 To 2207. %



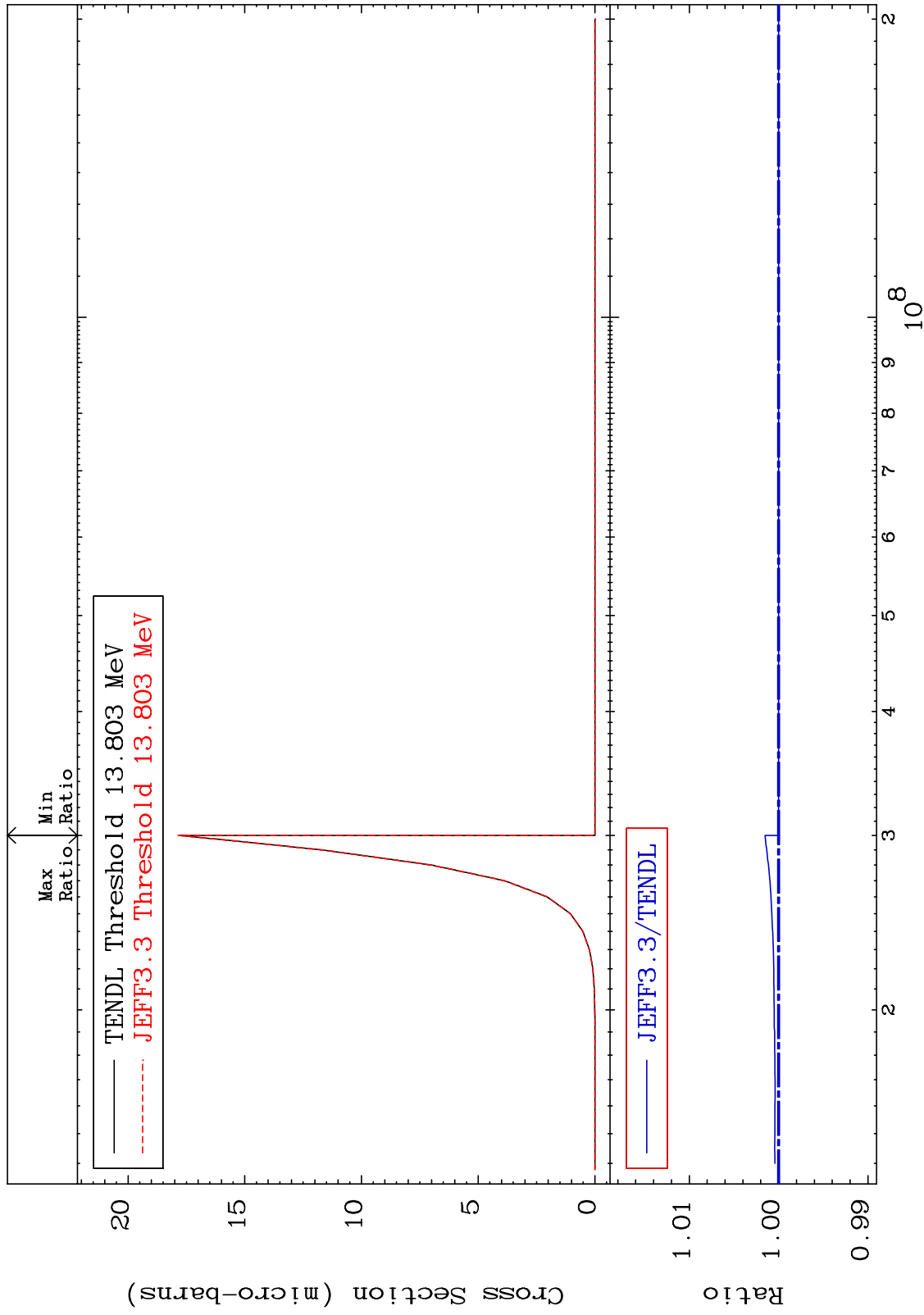
92

Incident Energy (eV)

36-Kr-84

MAT 3643

(n,2p) : 34-Se-83g 36-Kr-84
Radionuclide Production Cross Section 0.000 To 0.151 %

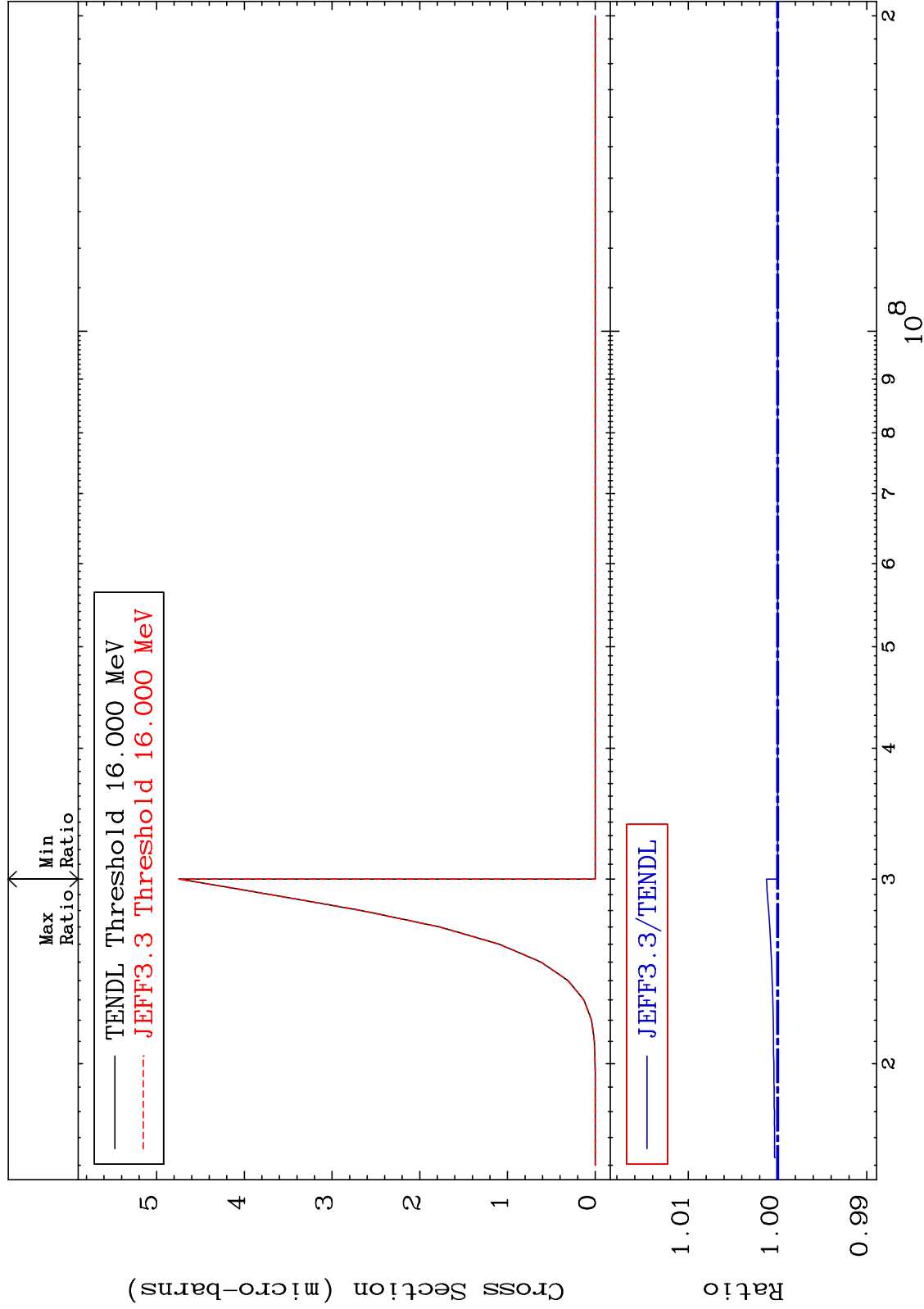


MAT 3643

(n,2p):34-Se-83m1

36-Kr-84

Radionuclide Production Cross Section 0.000 To 0.125 %

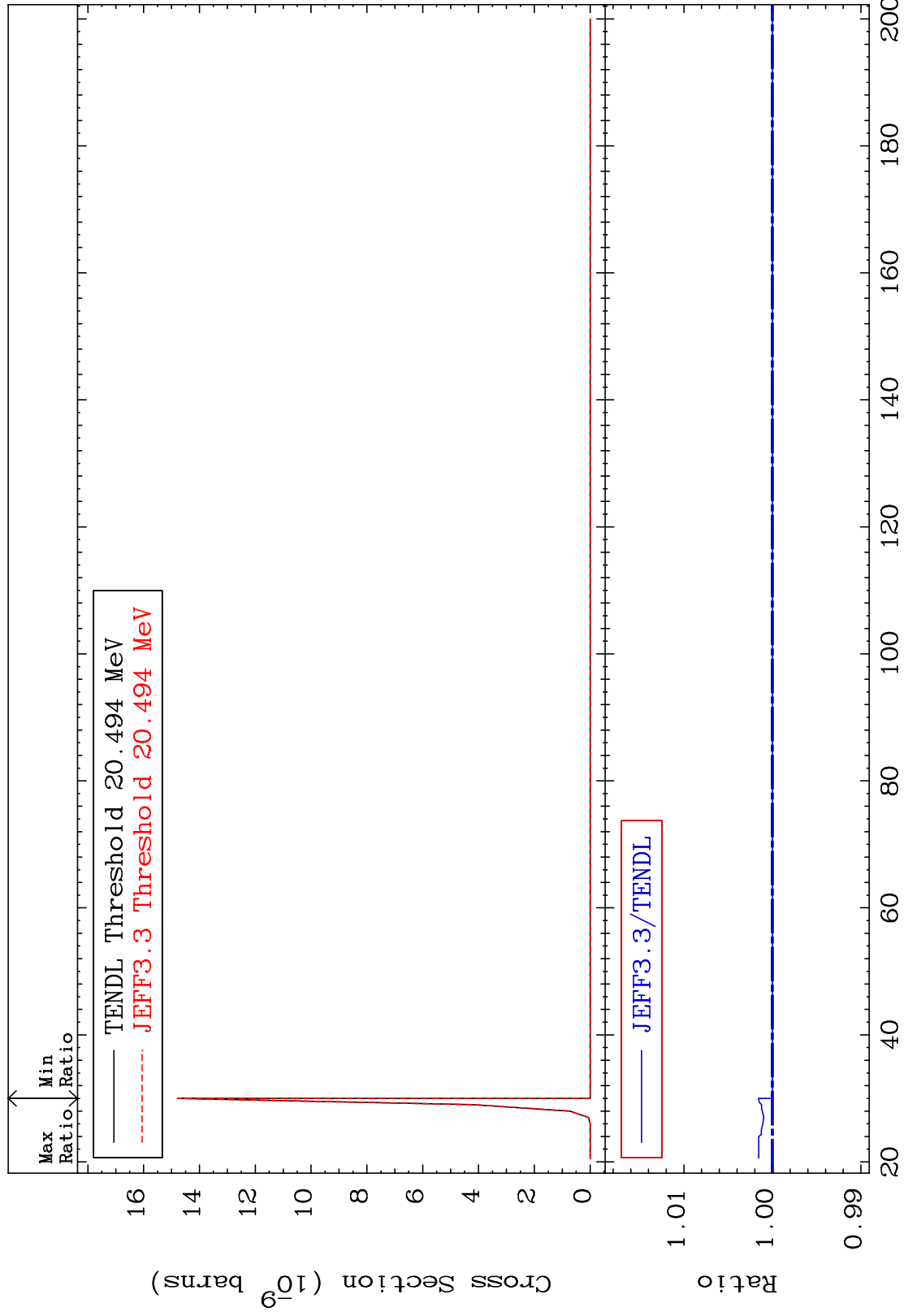


MAT 3643

(n,p) t:34-Se-81g

36-Kr-84

Radionuclide Production Cross Section 0.000 To 0.157 %



95

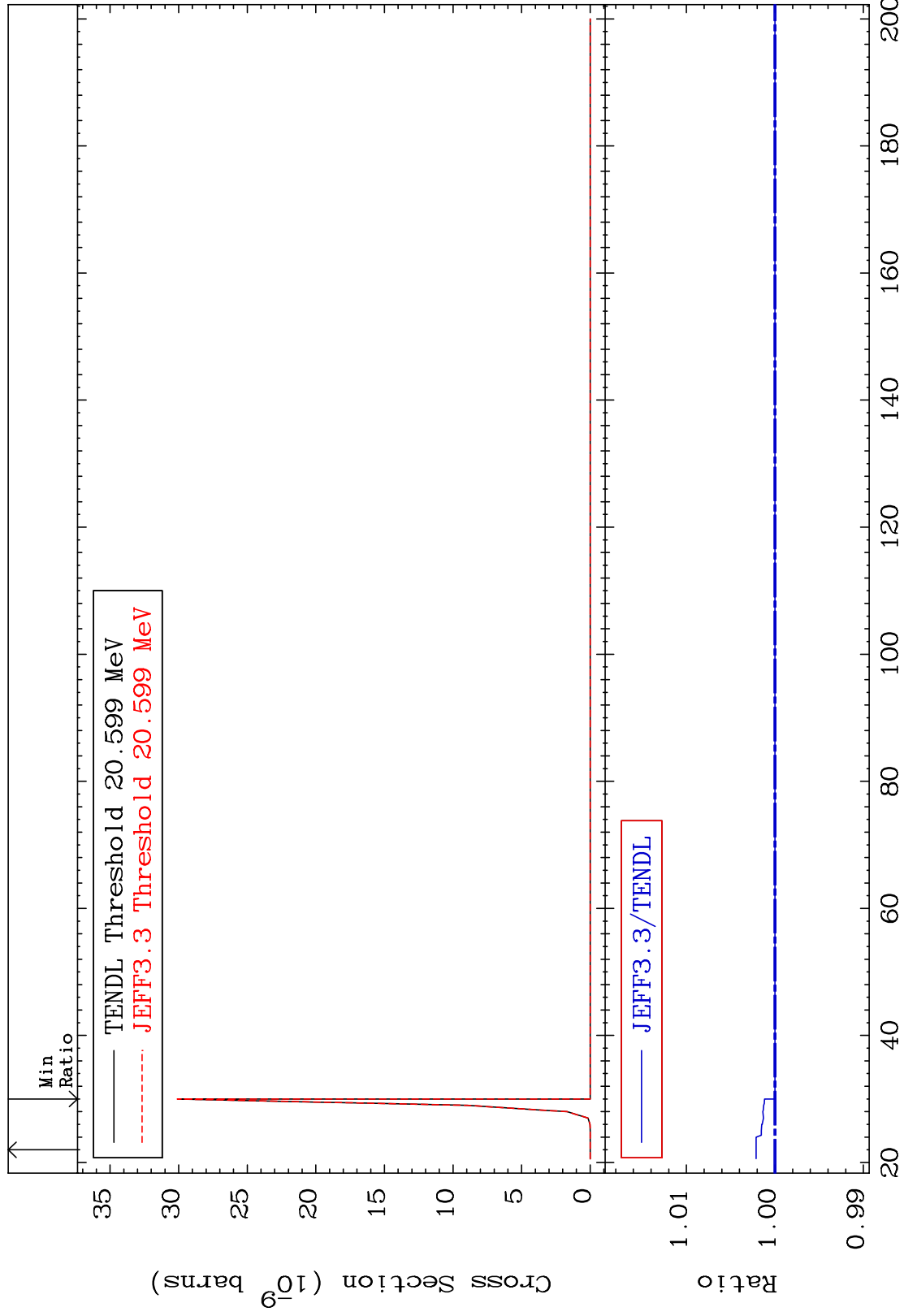
36-Kr-84

MAT 3643

(n,p) t:34-Se-81m1

36-Kr-84

Radionuclide Production Cross Section 0.000 To 0.214 %



96

Incident Energy (MeV)

36-Kr-84