

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

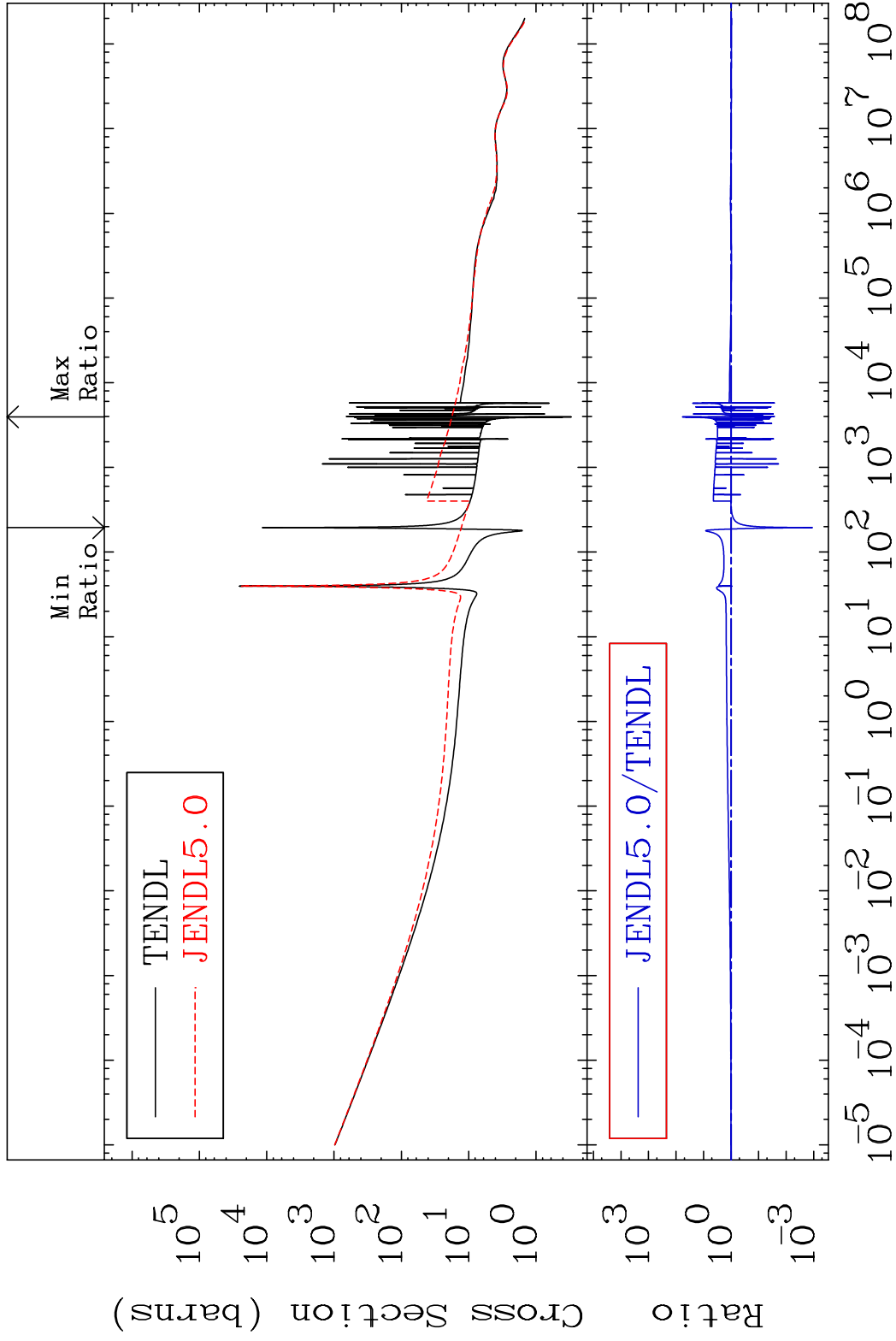
Press Mouse Button to Start

MAT 3637

Total

36-Kr-82

Cross Section -99.89 To 5804. %



1

Incident Energy (eV)

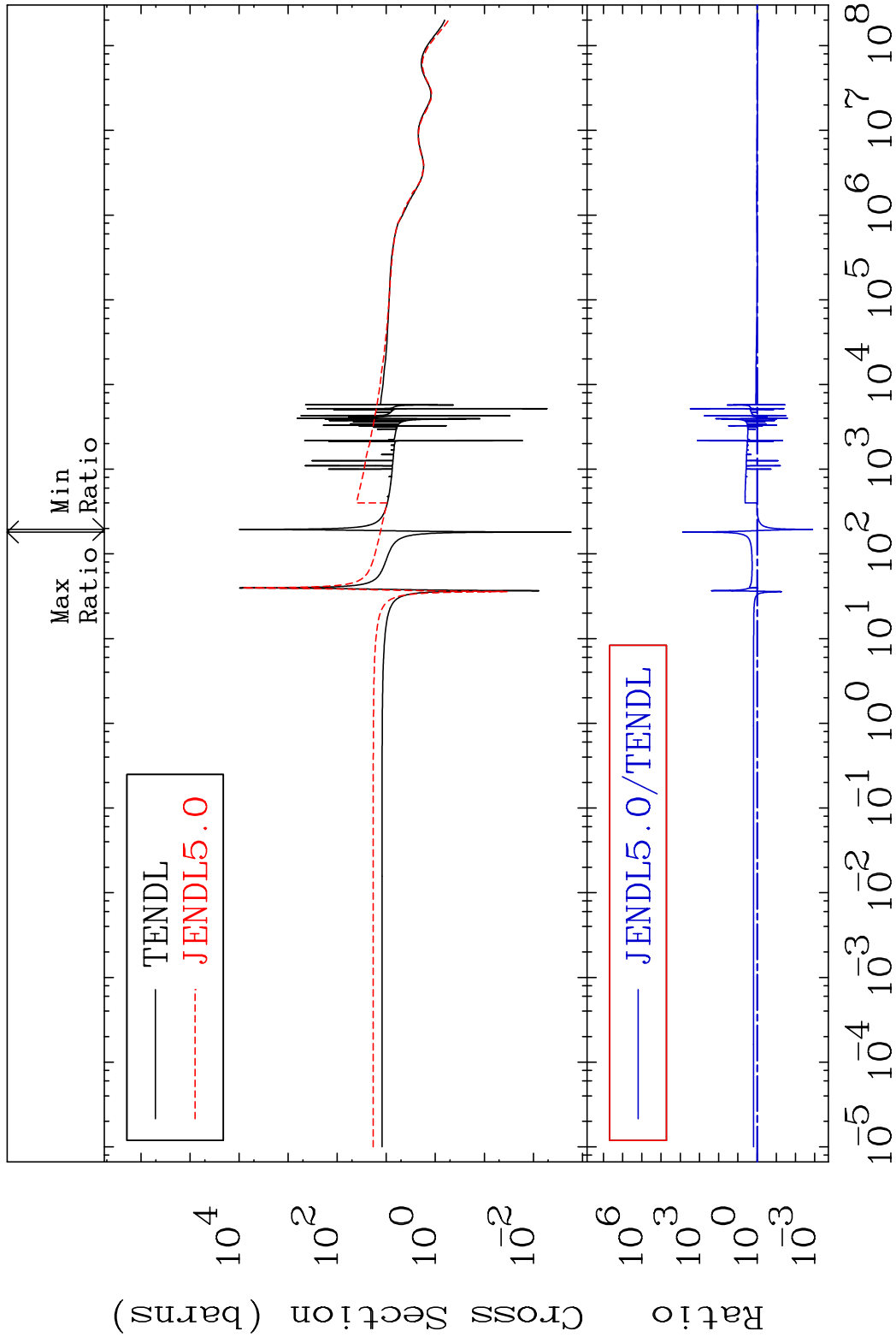
36-Kr-82

MAT 3637

Elastic

36-Kr-82

Cross Section -99.87 To 9999. %

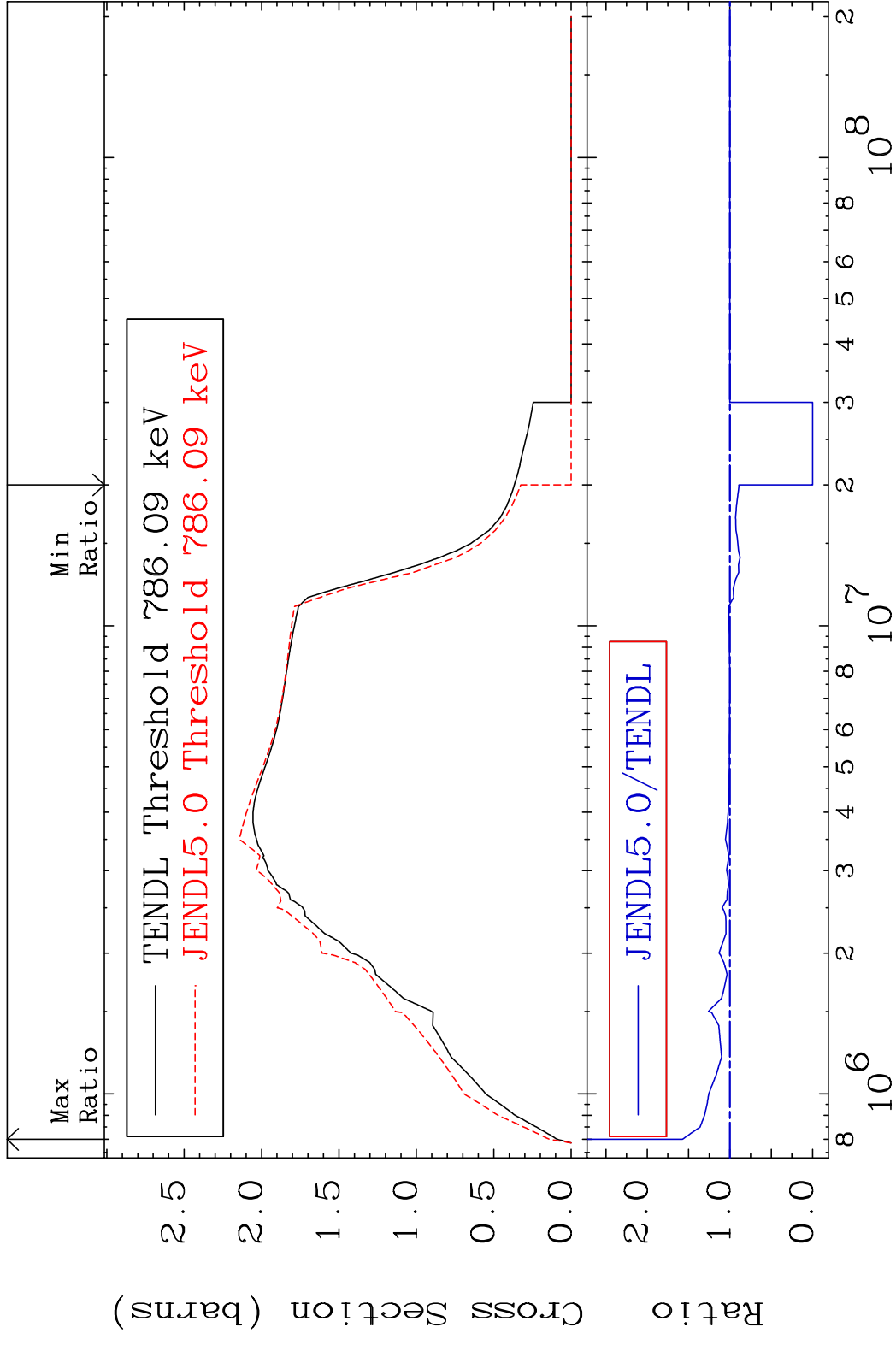


2

Incident Energy (eV)

36-Kr-82

MAT 3637 Inelastic 36-Kr-82
 Cross Section -100.0 To 57.51 %



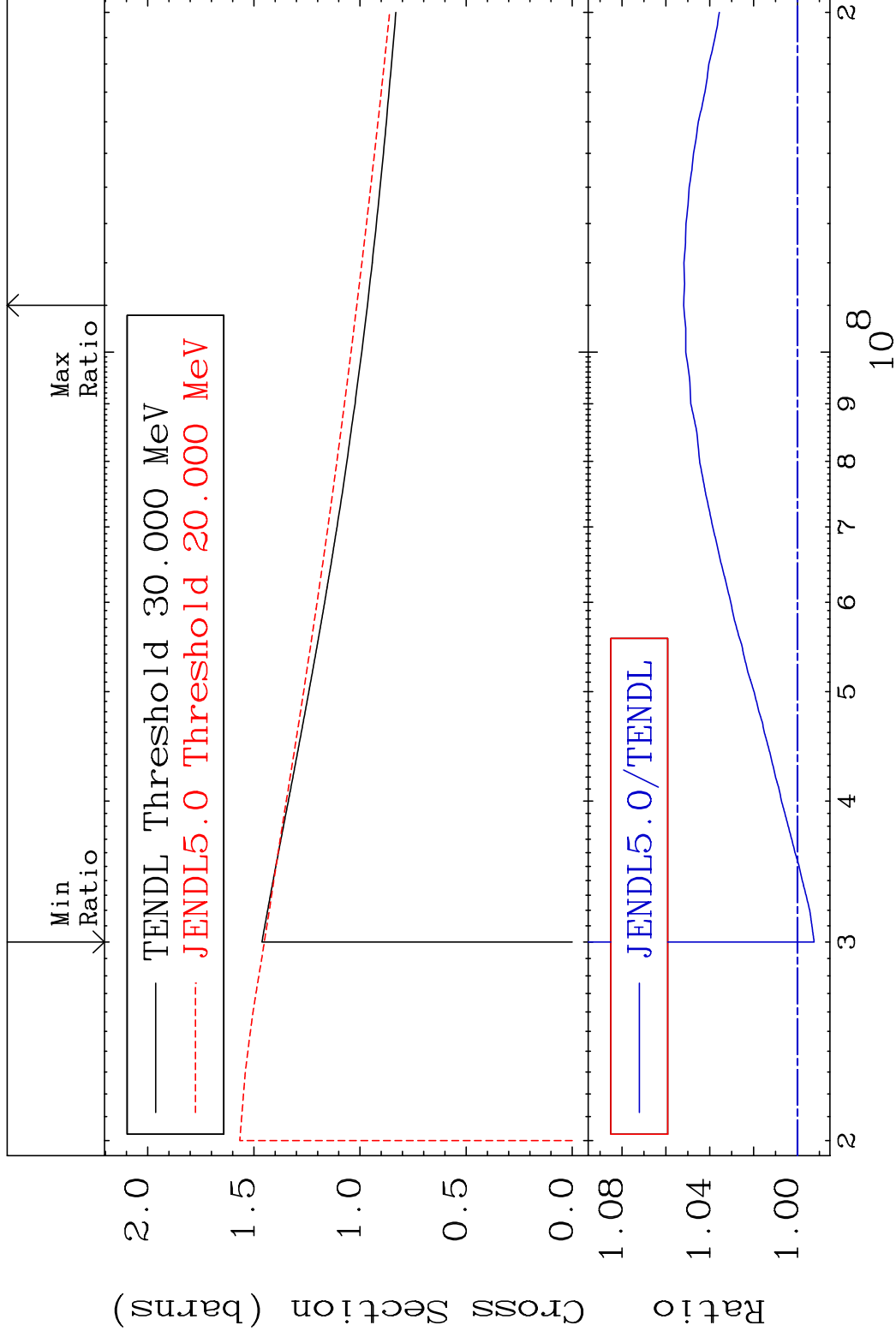
3 36-Kr-82

MAT 3637

(n, remainder)

36-Kr-82

Cross Section -0.760 To 5.186 %



4

Incident Energy (eV)

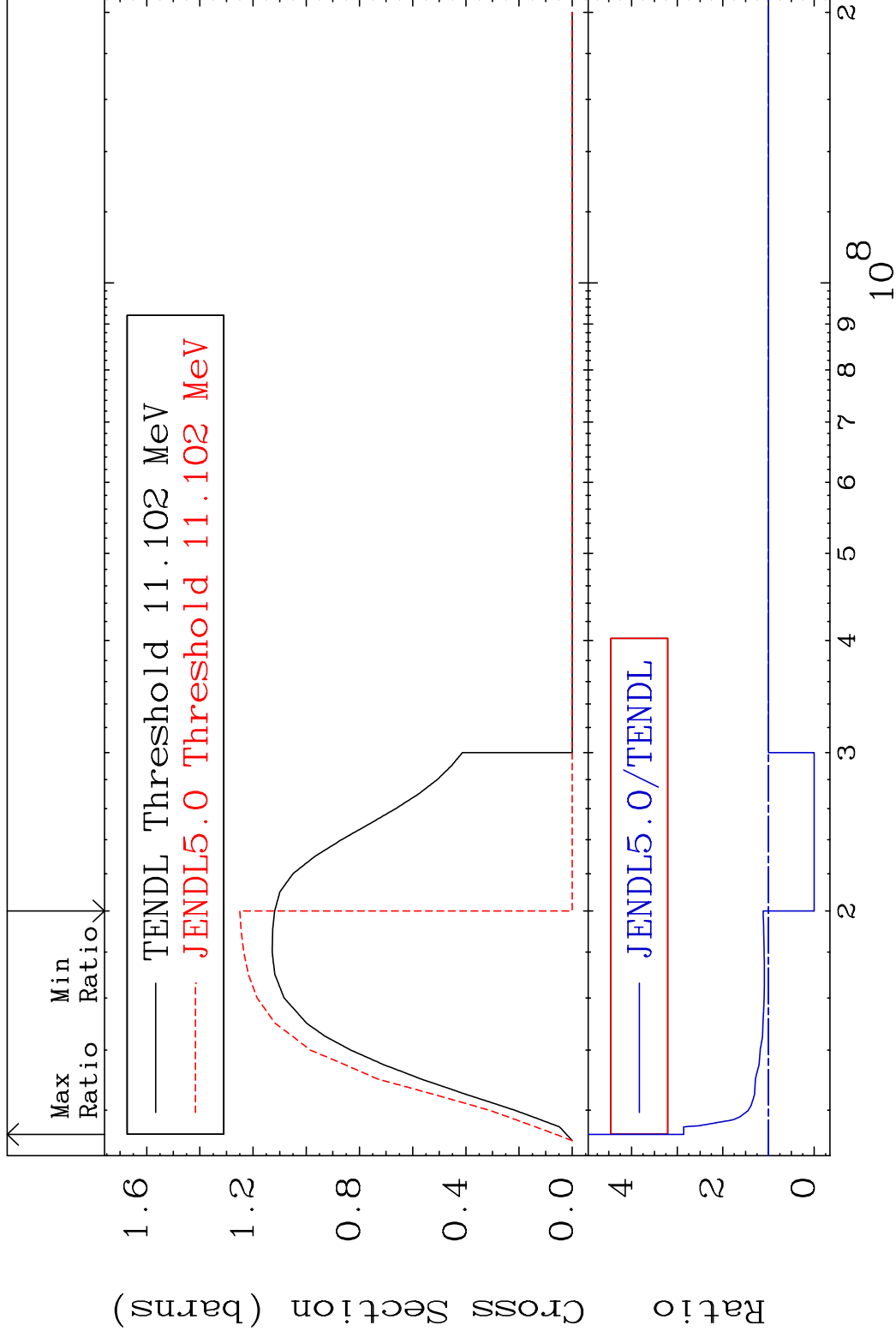
36-Kr-82

MAT 3637

(n,2n)

36-Kr-82

Cross Section -100.0 To 185.9 %

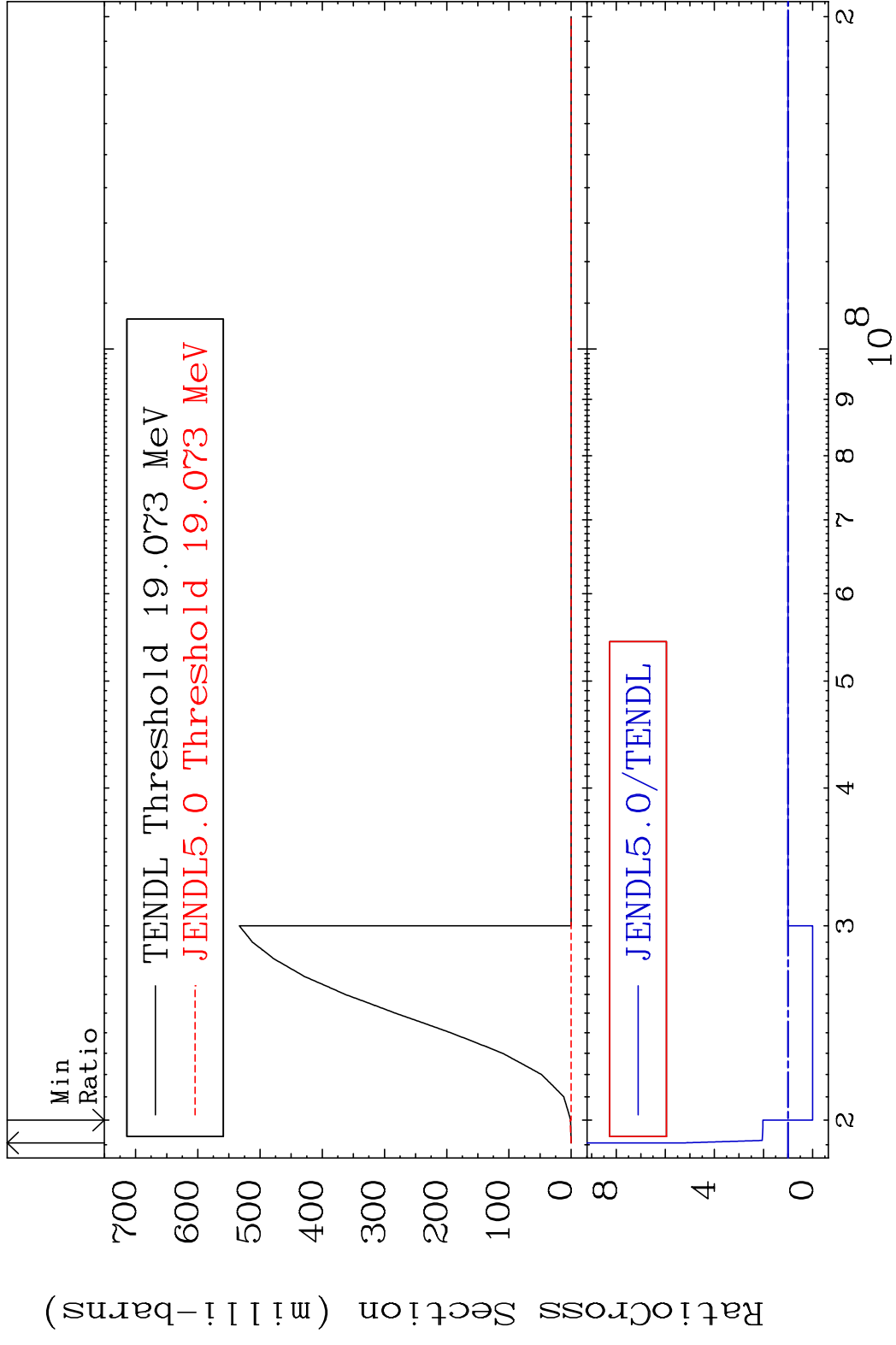


5

Incident Energy (eV)

36-Kr-82

MAT 3637 (n,3n) 36-Kr-82
 Cross Section -100.0 To 430.6 %

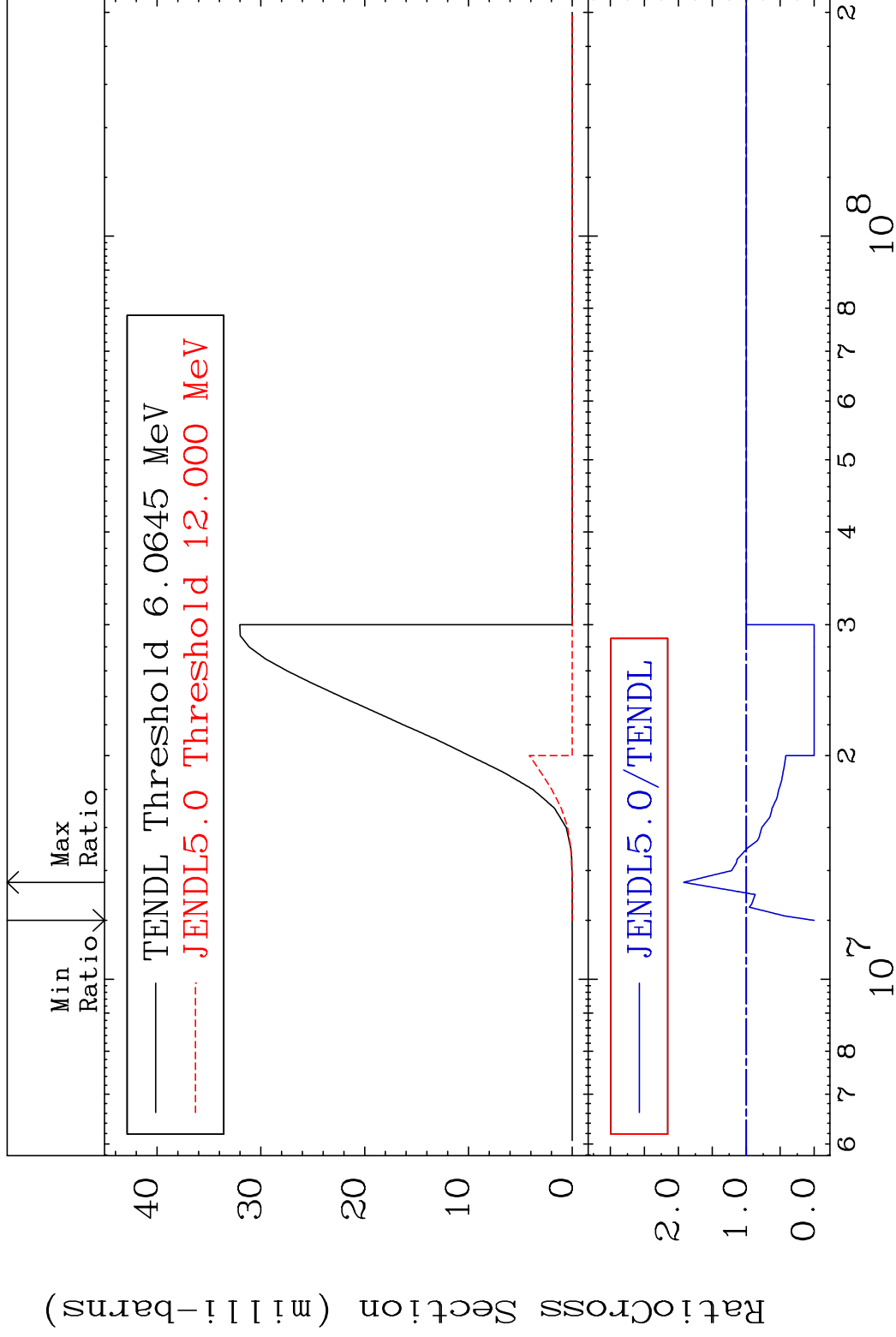


MAT 3637

(n, n') α

36-Kr-82

Cross Section -100.0 To 92.16 %



7

Incident Energy (eV)

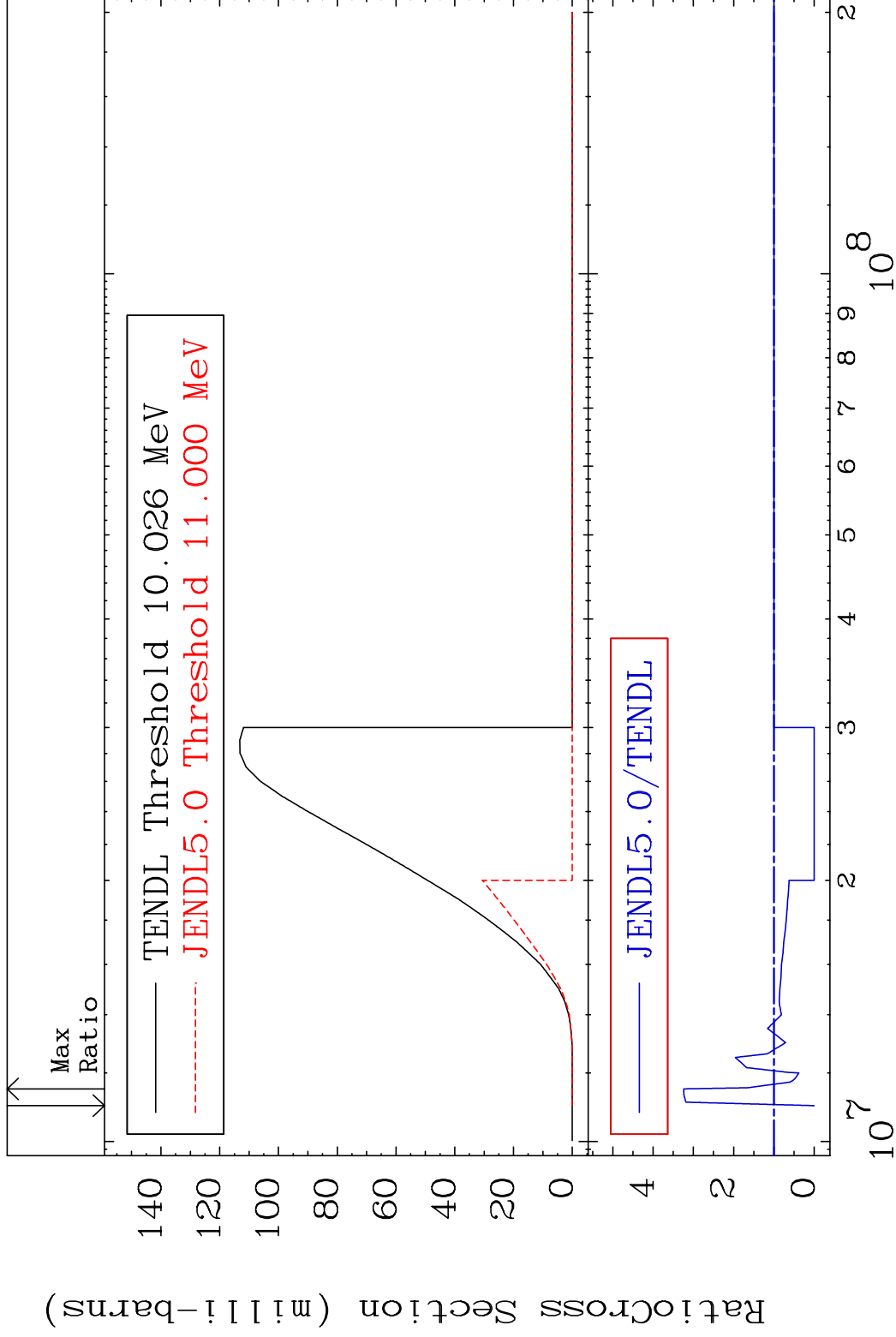
36-Kr-82

MAT 3637

(n, n') p

36-Kr-82

Cross Section -100.0 To 224.2 %

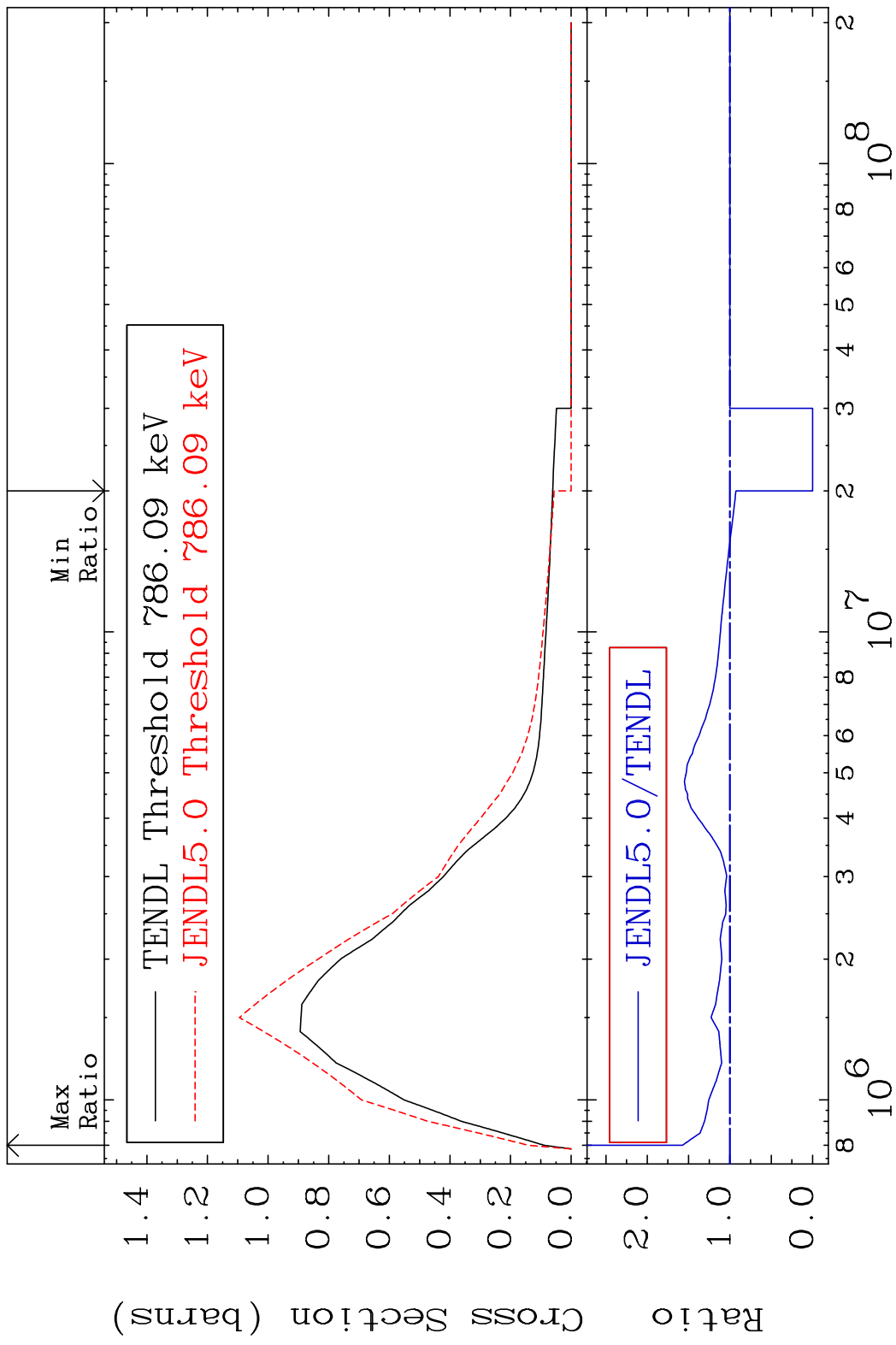


8

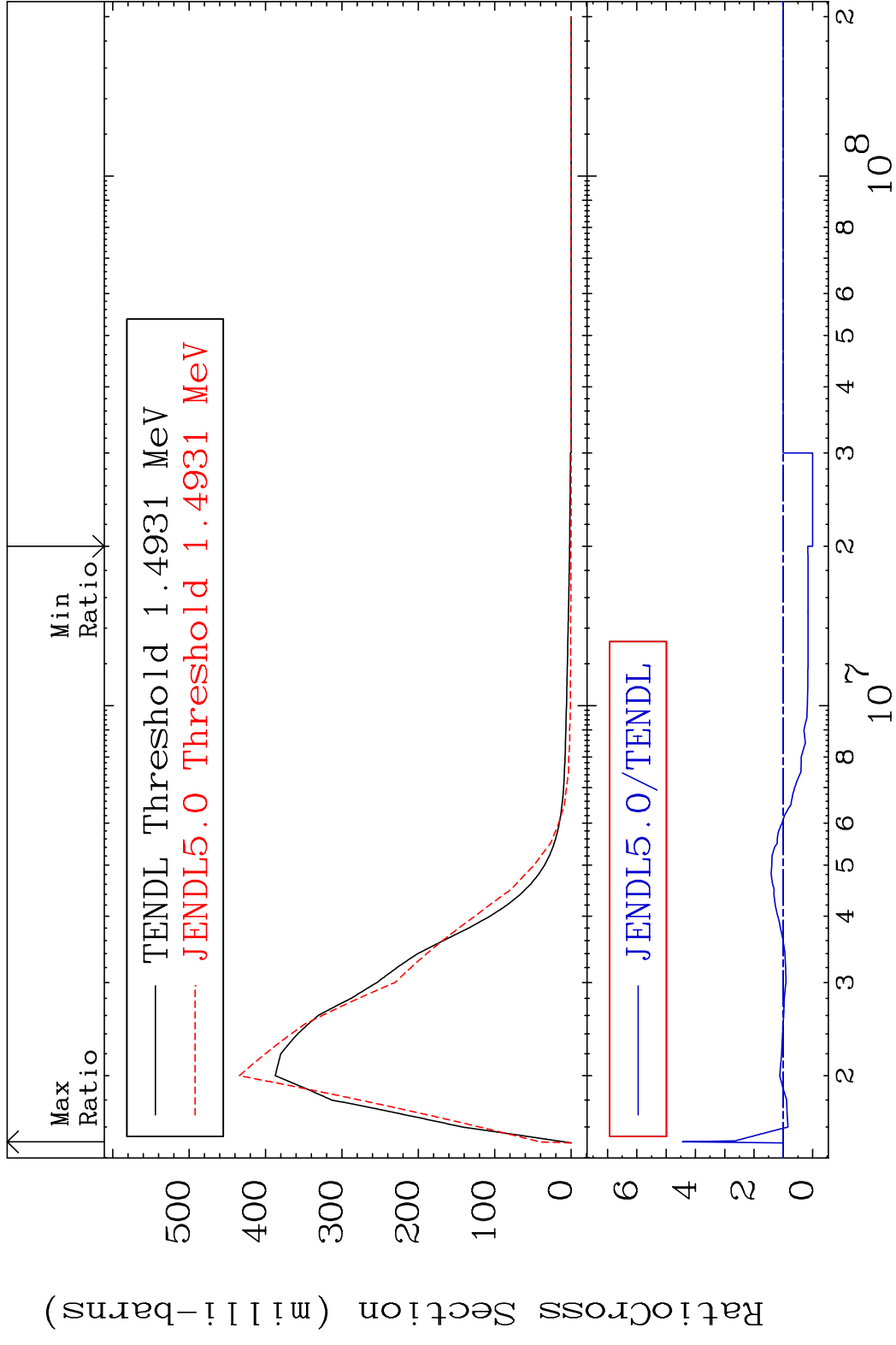
Incident Energy (eV)

36-Kr-82

MAT 3637 MT= 51 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 57.51 %

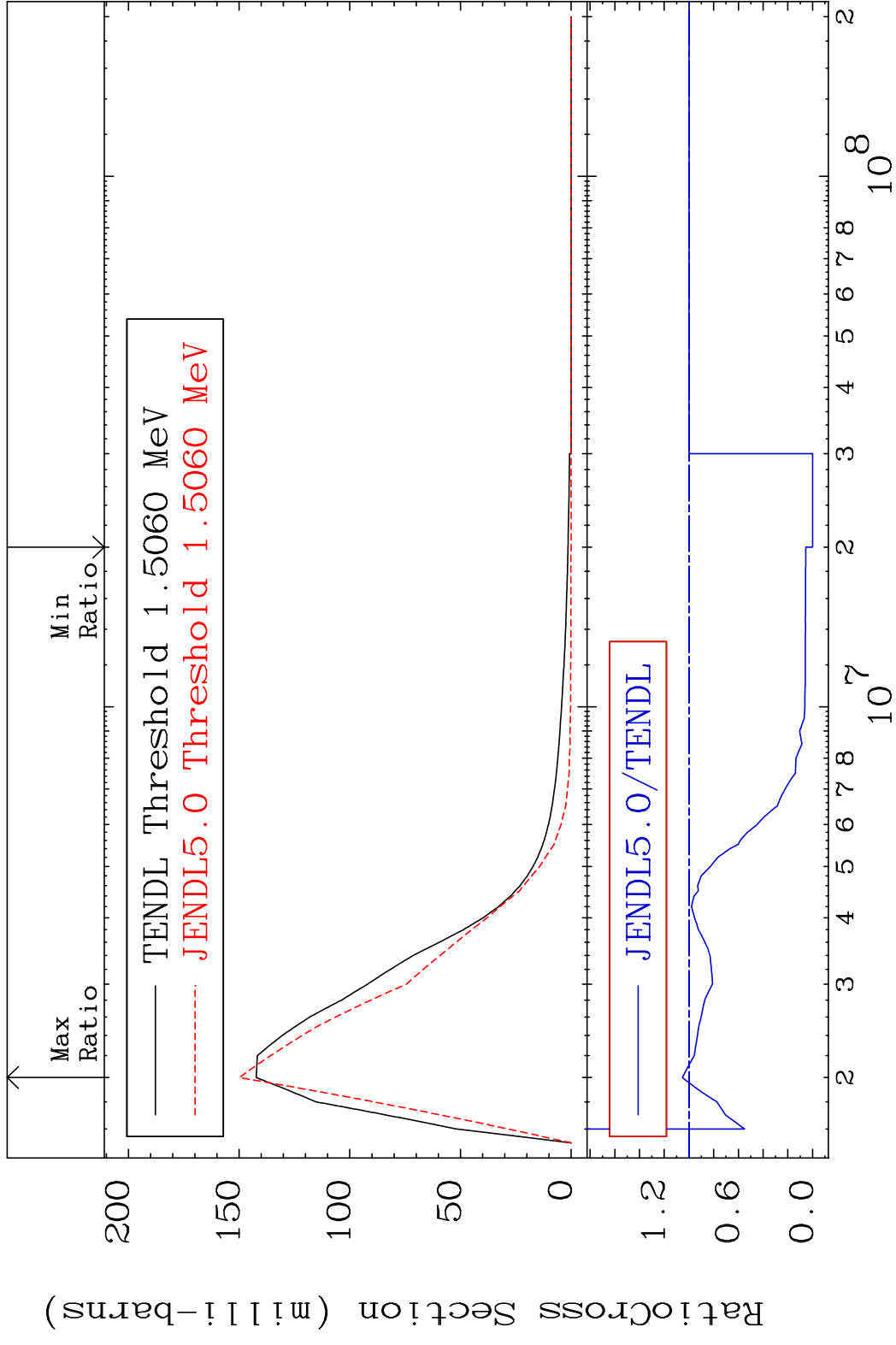


MAT 3637 MT= 52 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 344.7 %

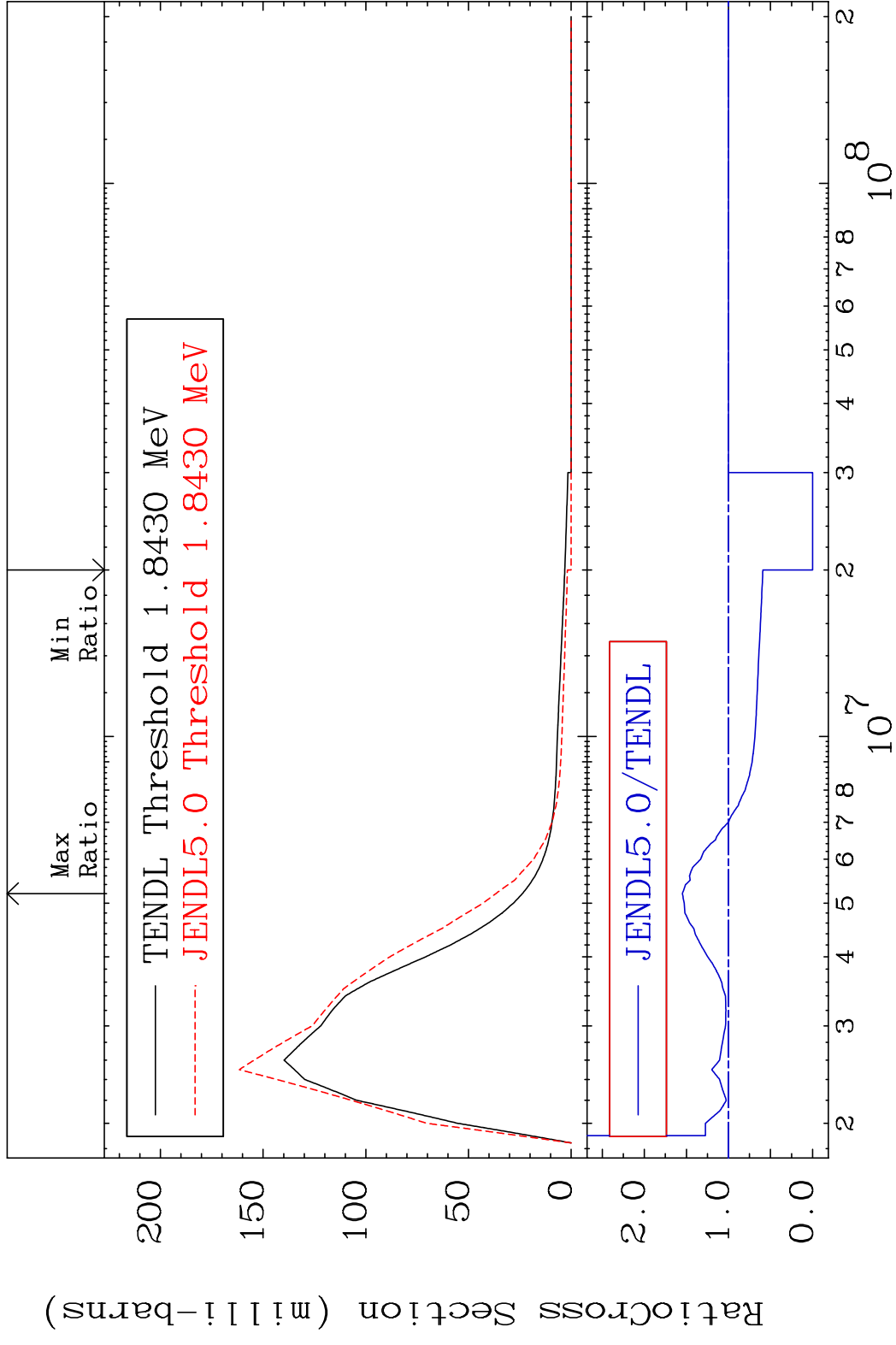


10 Incident Energy (eV) 36-Kr-82

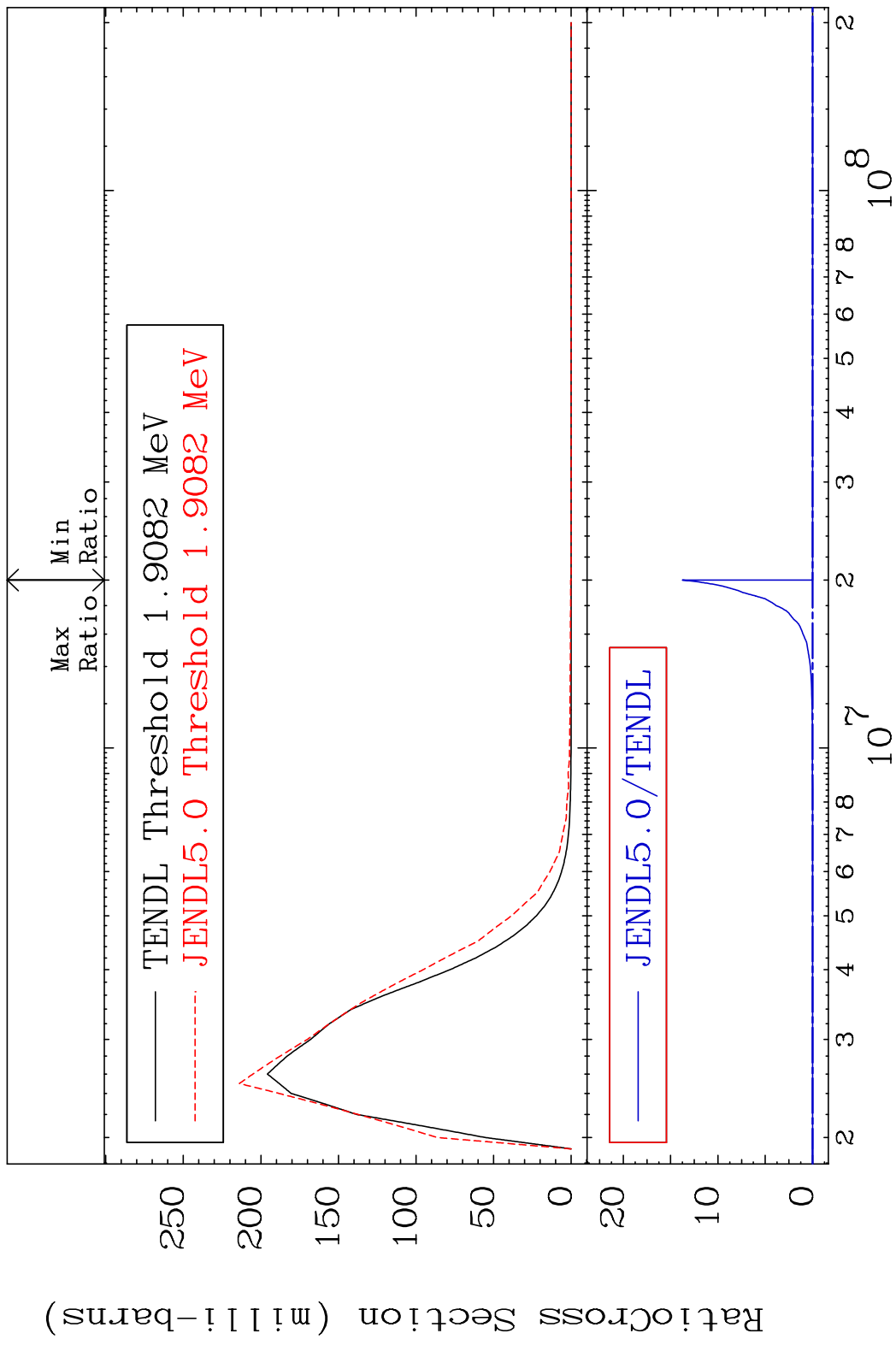
MAT 3637 MT= 53 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 5.356 %



MAT 3637 MT= 54 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 54.82 %

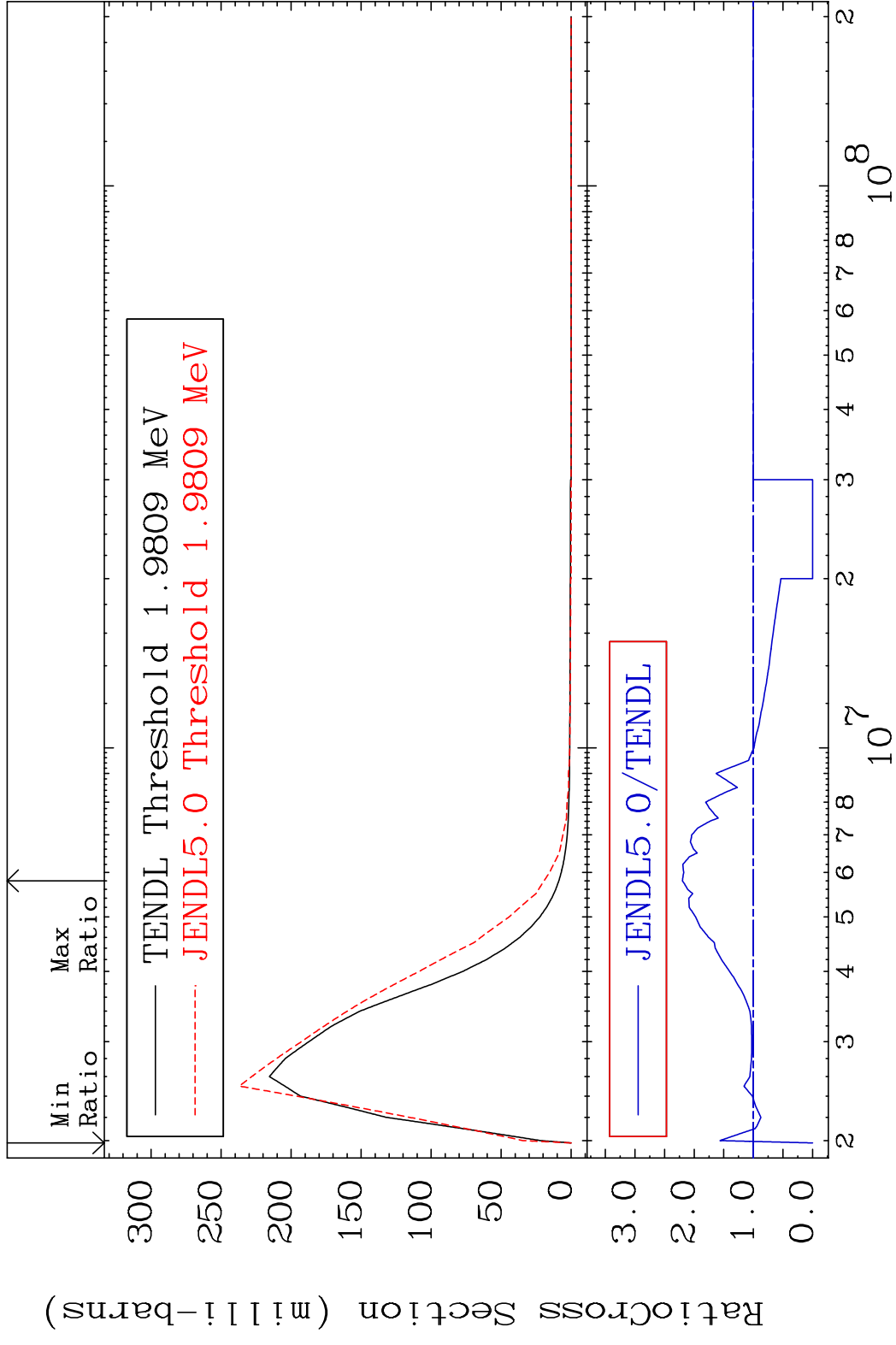


MAT 3637 MT= 55 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 9999. %

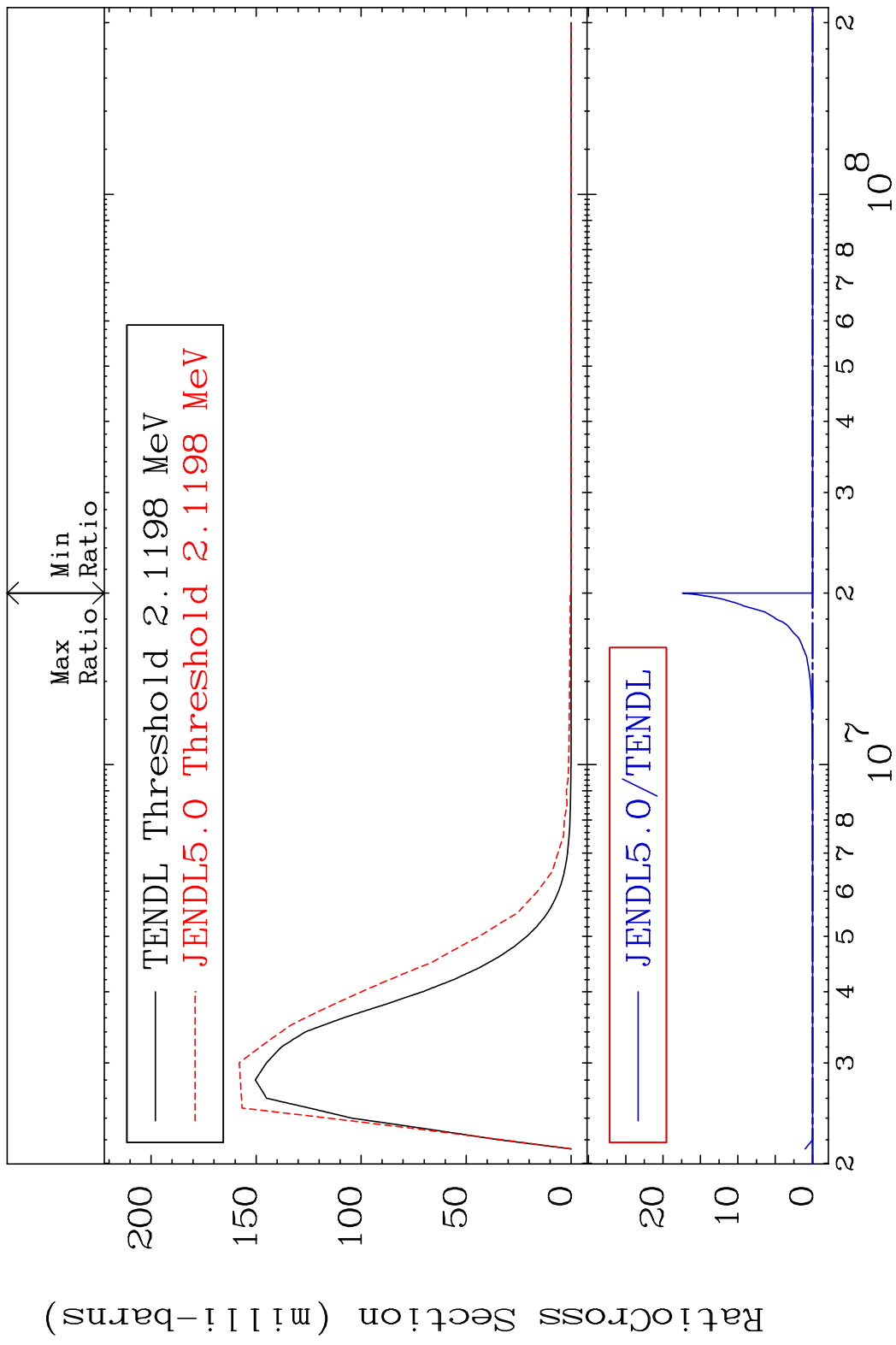


13 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 56 (n,n') Level 36-Kr-82
 Cross Section -100.0 To 120.0 %

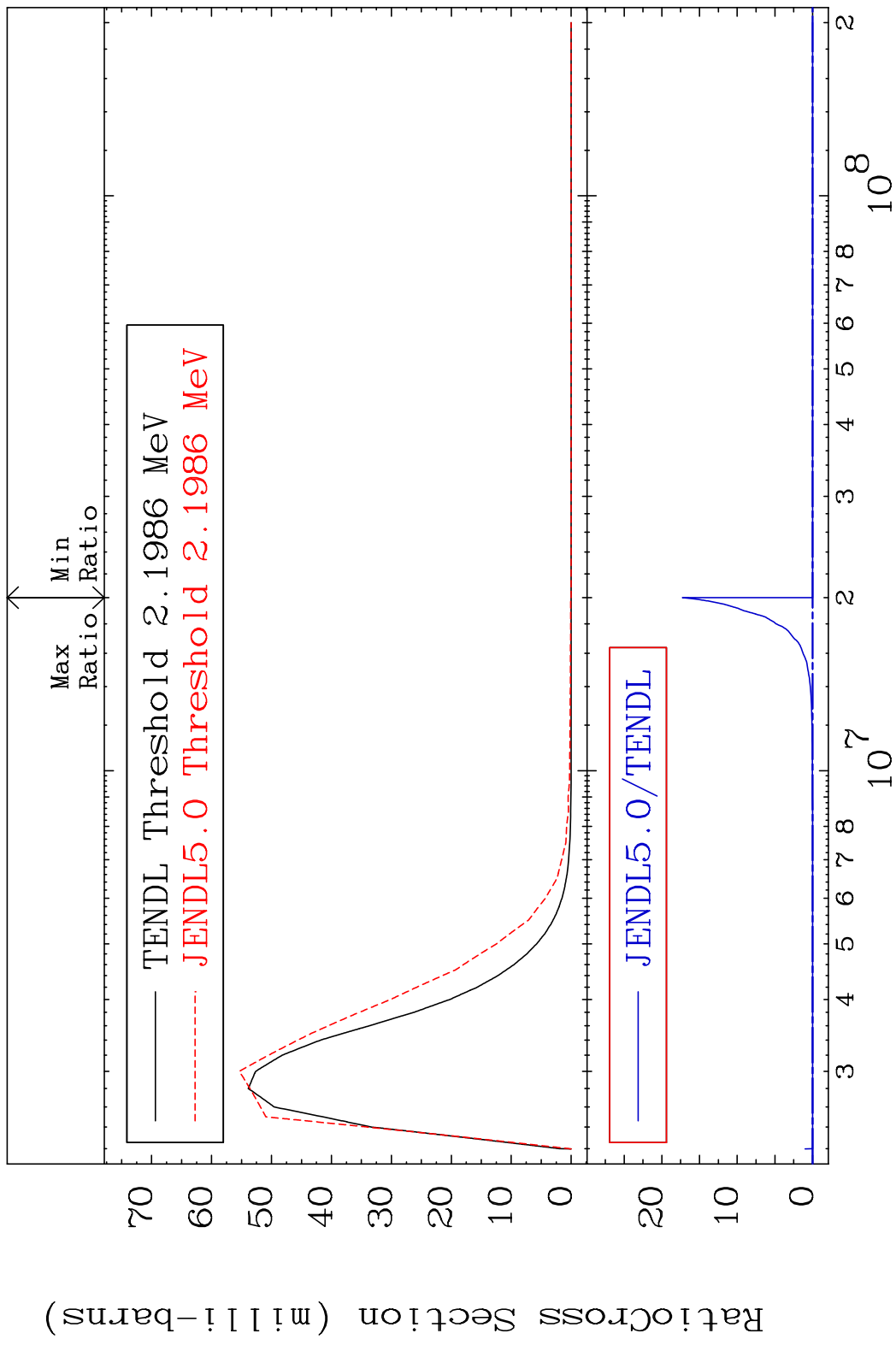


MAT 3637 MT= 57 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 9999. %



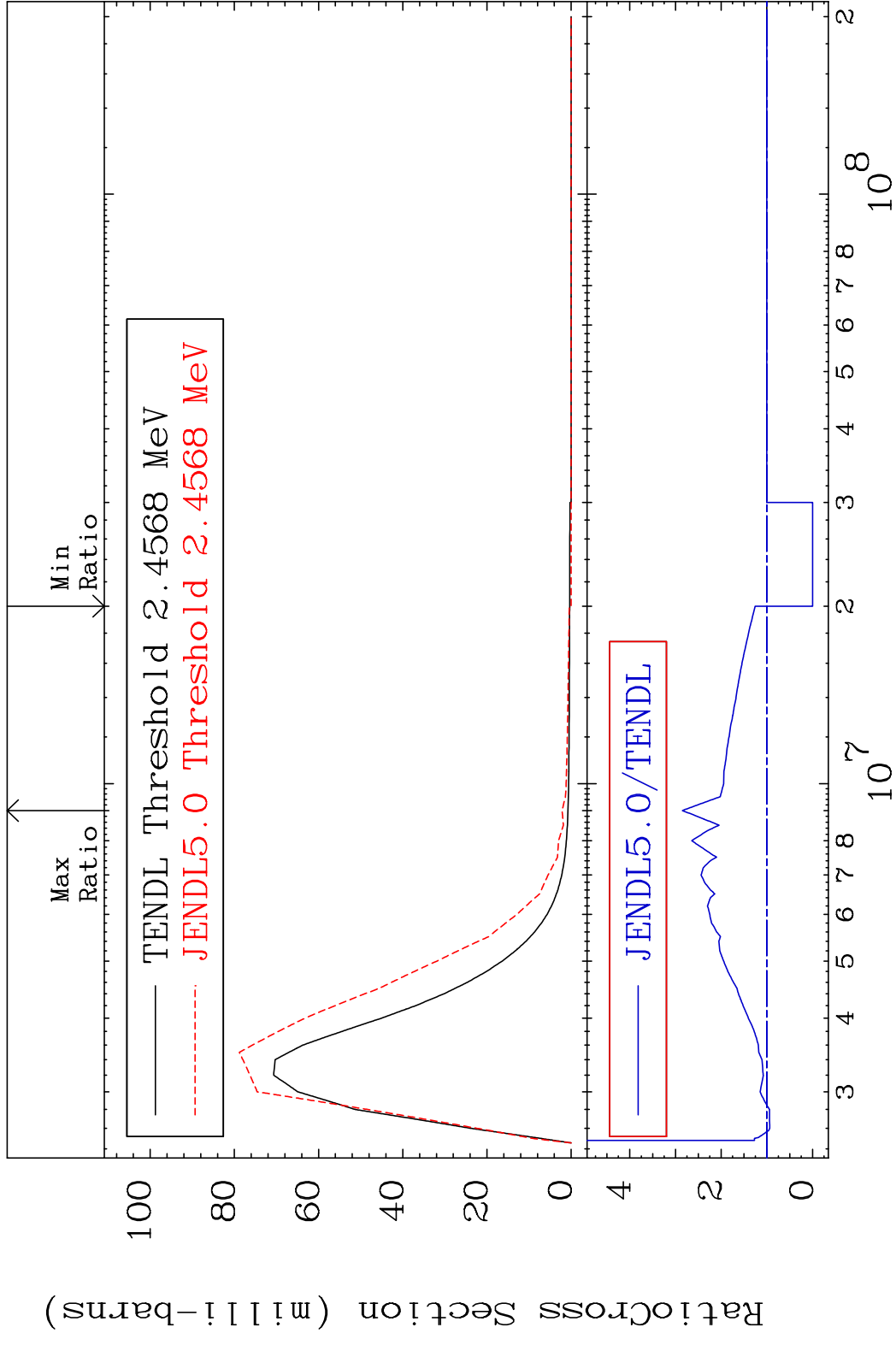
15 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 58 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 9999. %

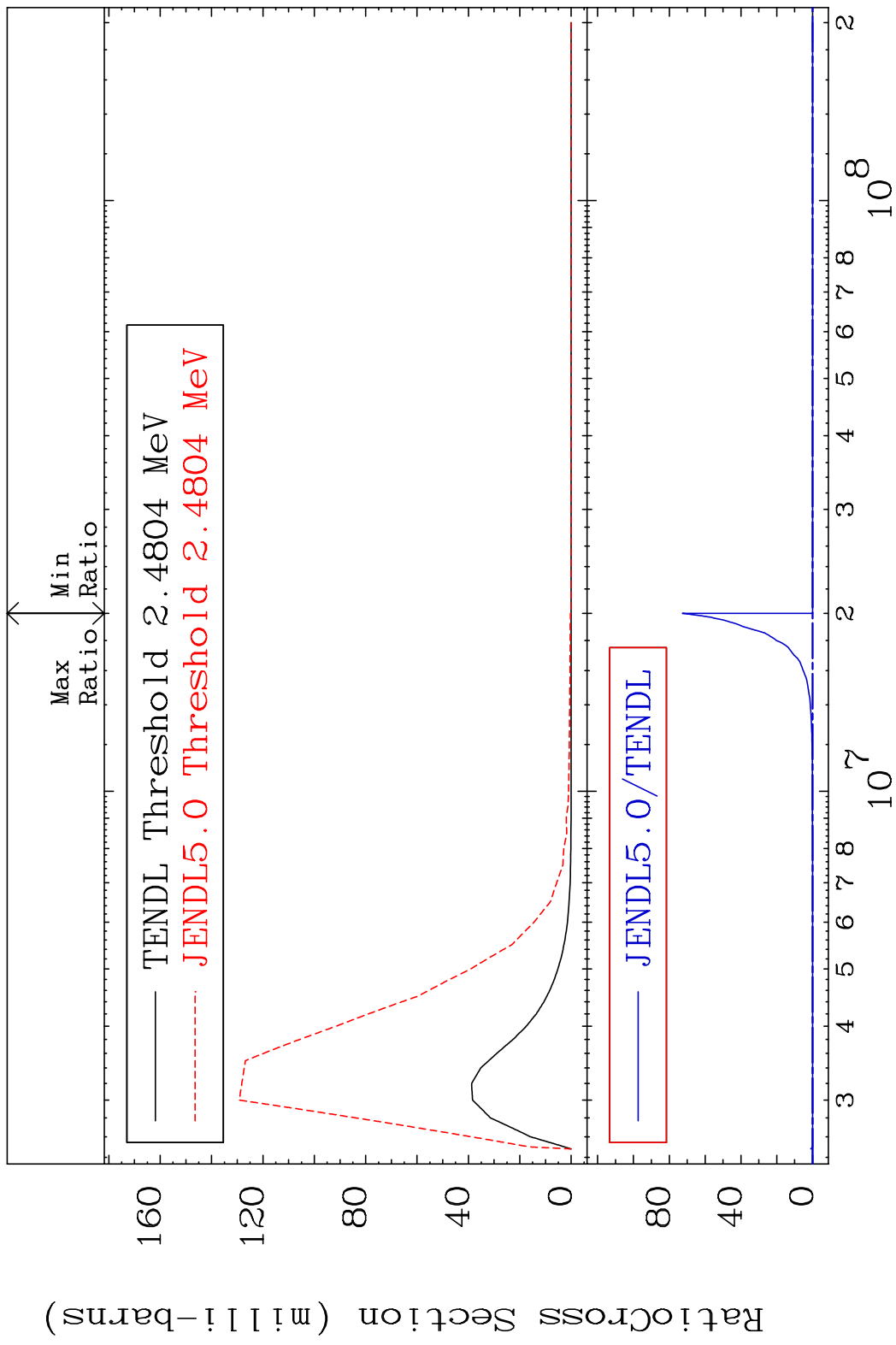


16 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 59 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 185.0 %

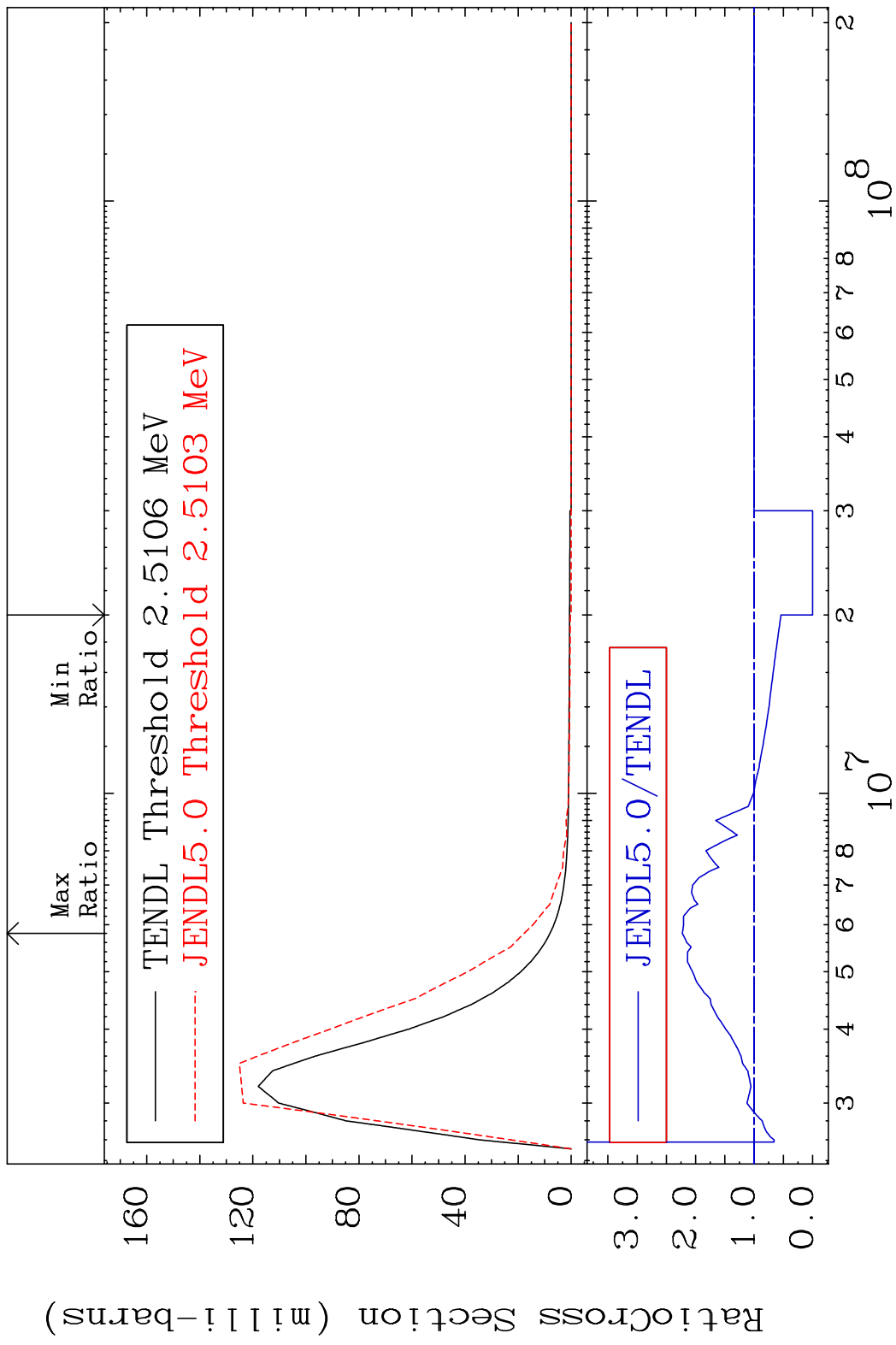


MAT 3637 MT= 60 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 9999. %

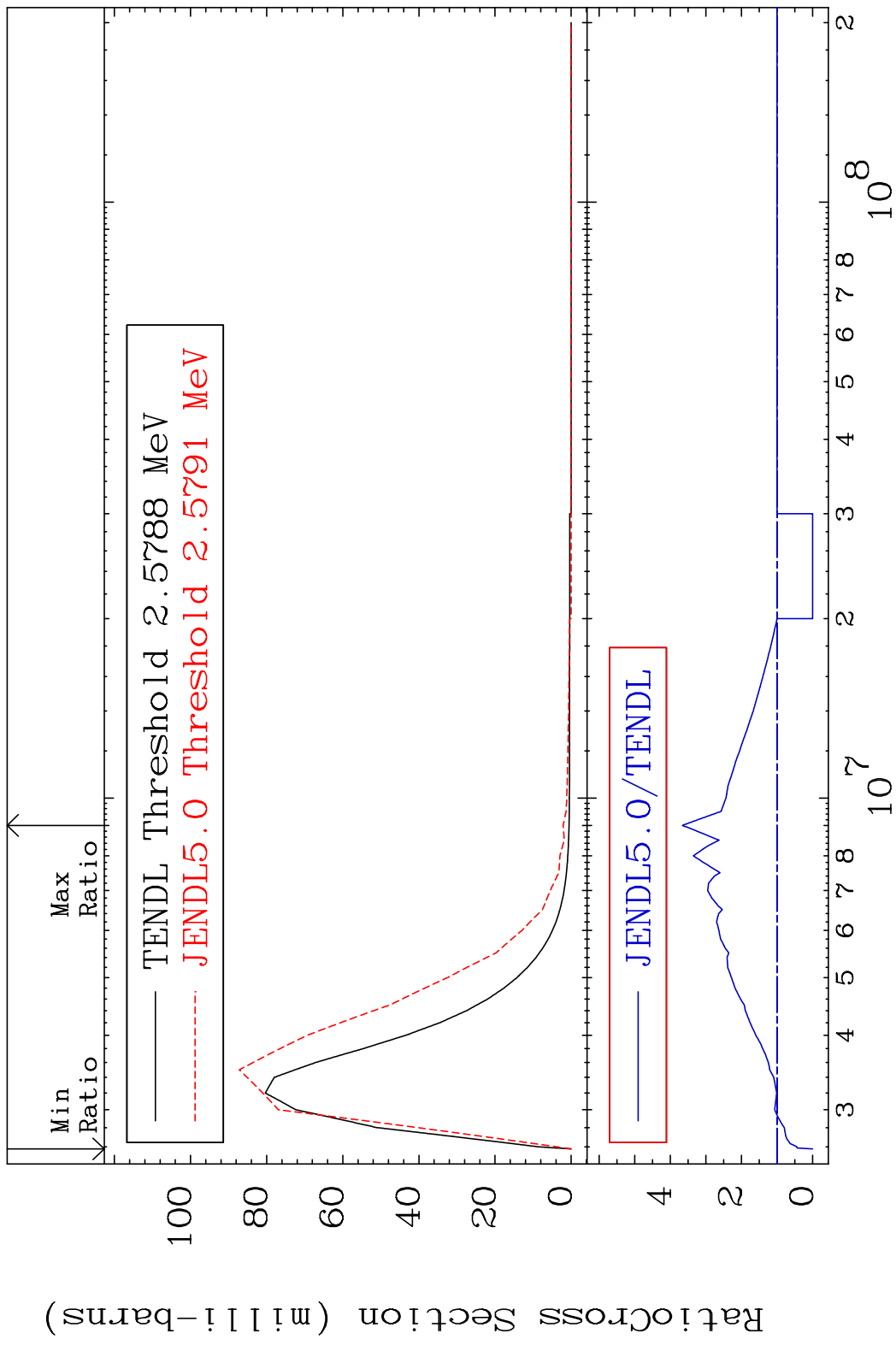


18 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 61 (n,n') Level 36-Kr-82
 Cross Section -100.0 To 122.7 %

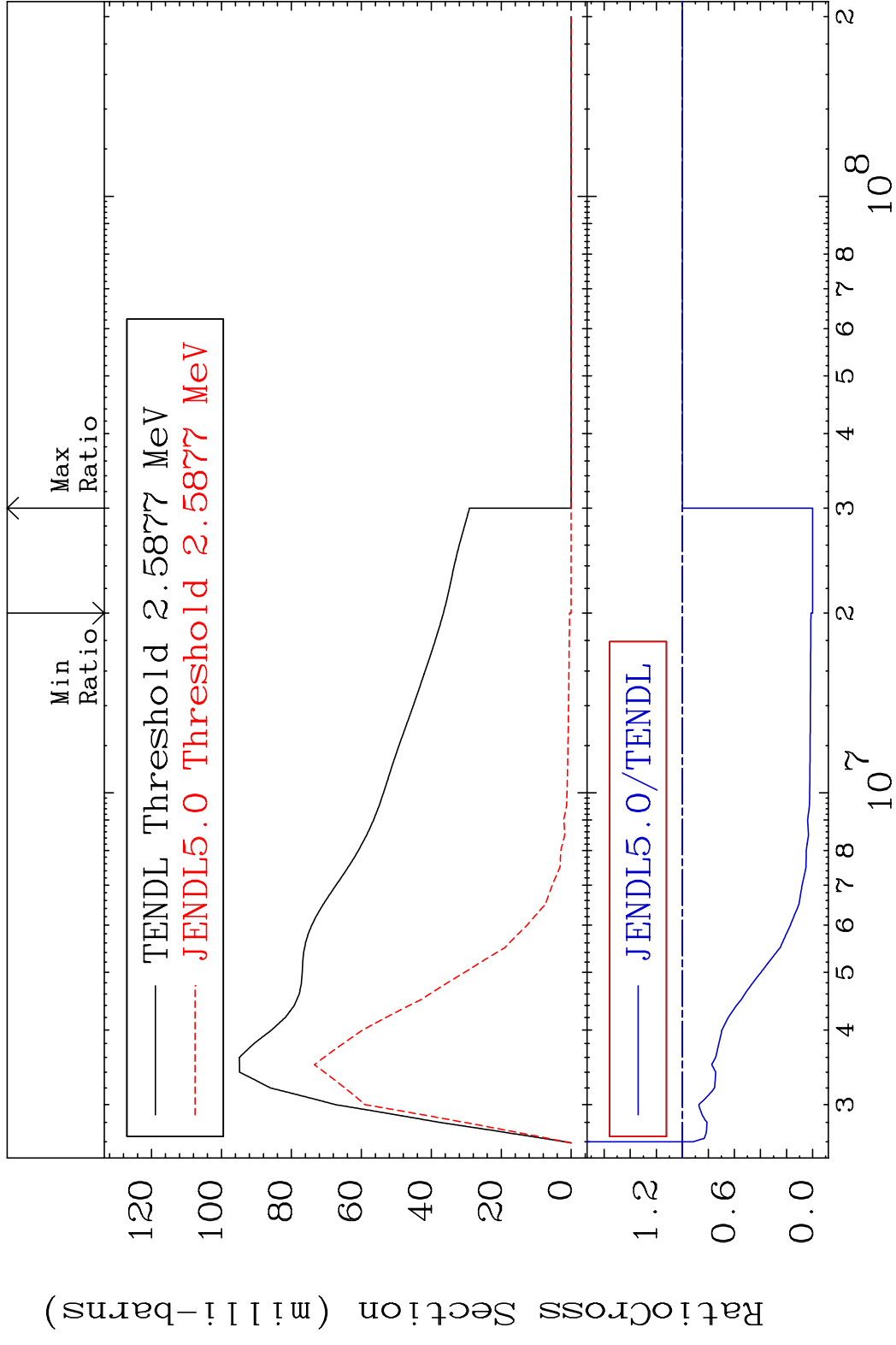


MAT 3637 MT= 62 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 266.1 %

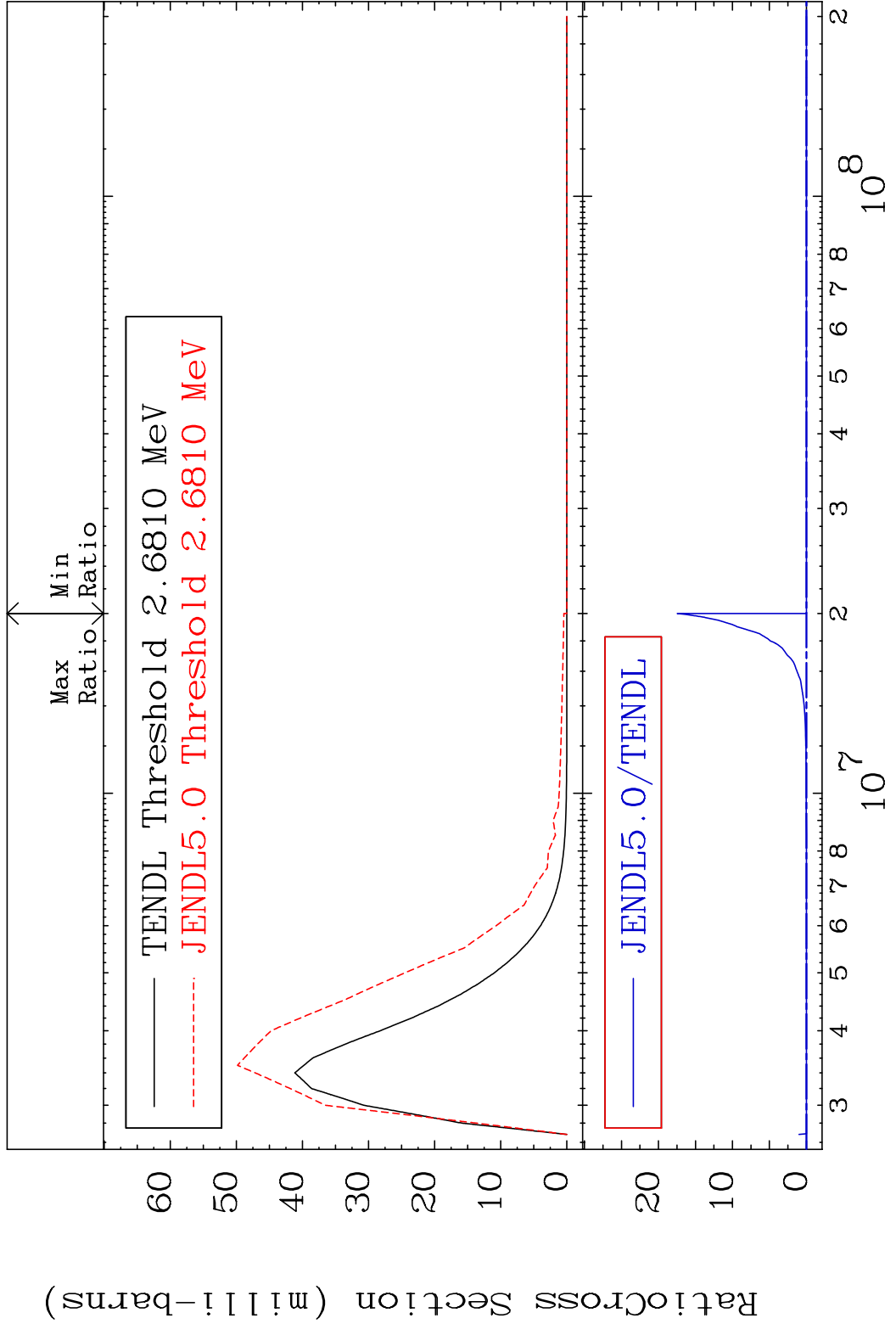


20 36-Kr-82

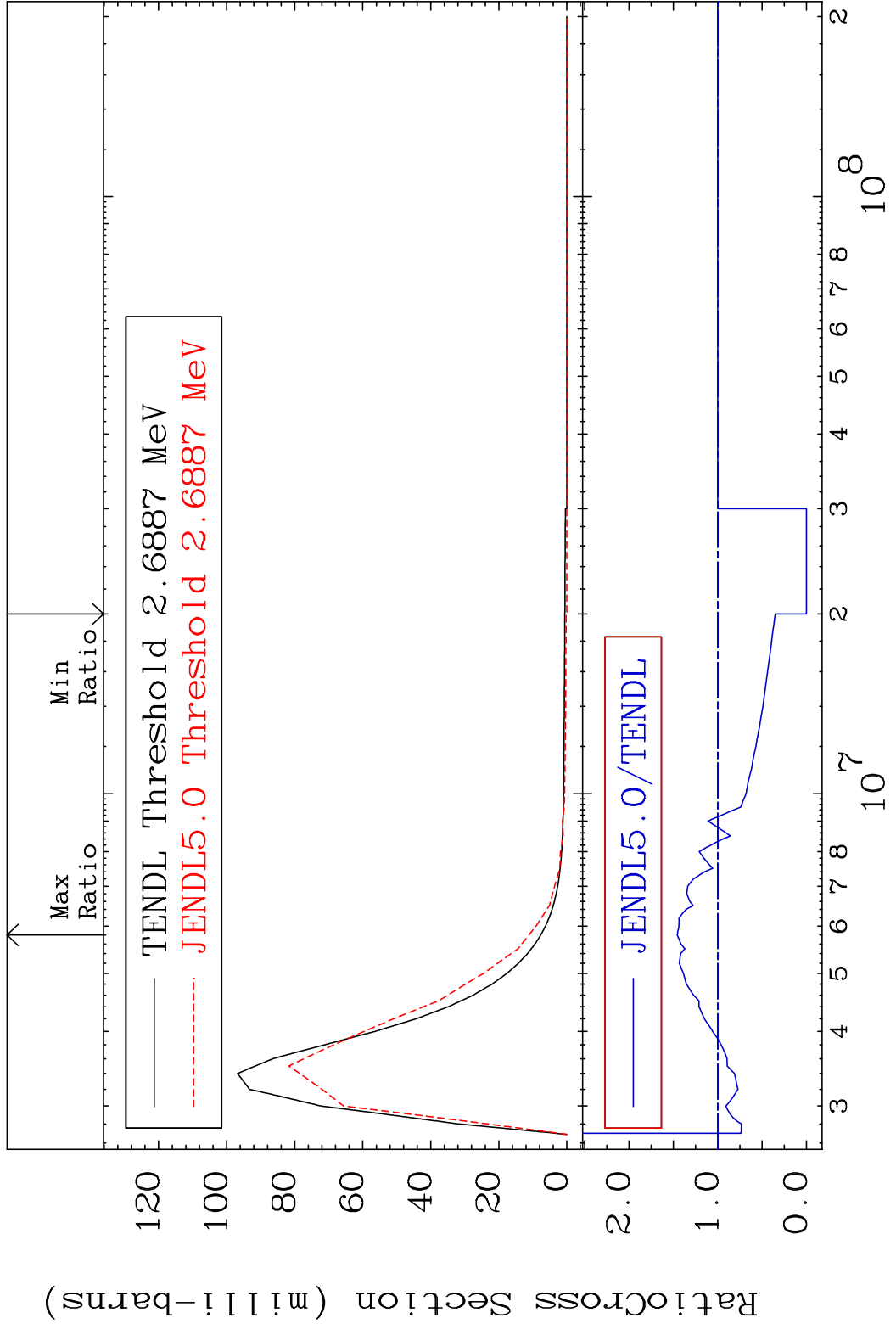
MAT 3637 MT= 63 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 0.000 %



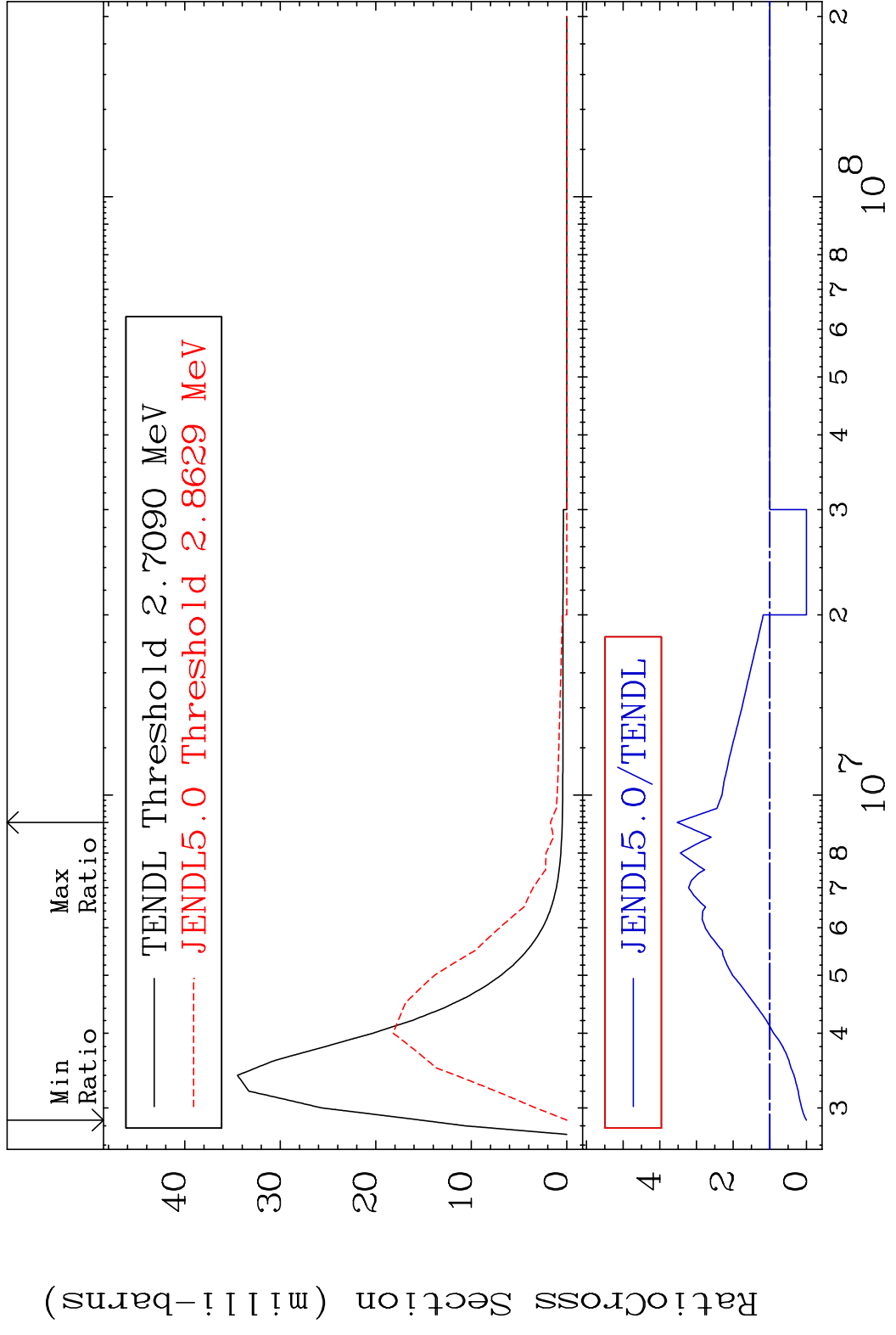
MAT 3637 MT= 64 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 9999. %



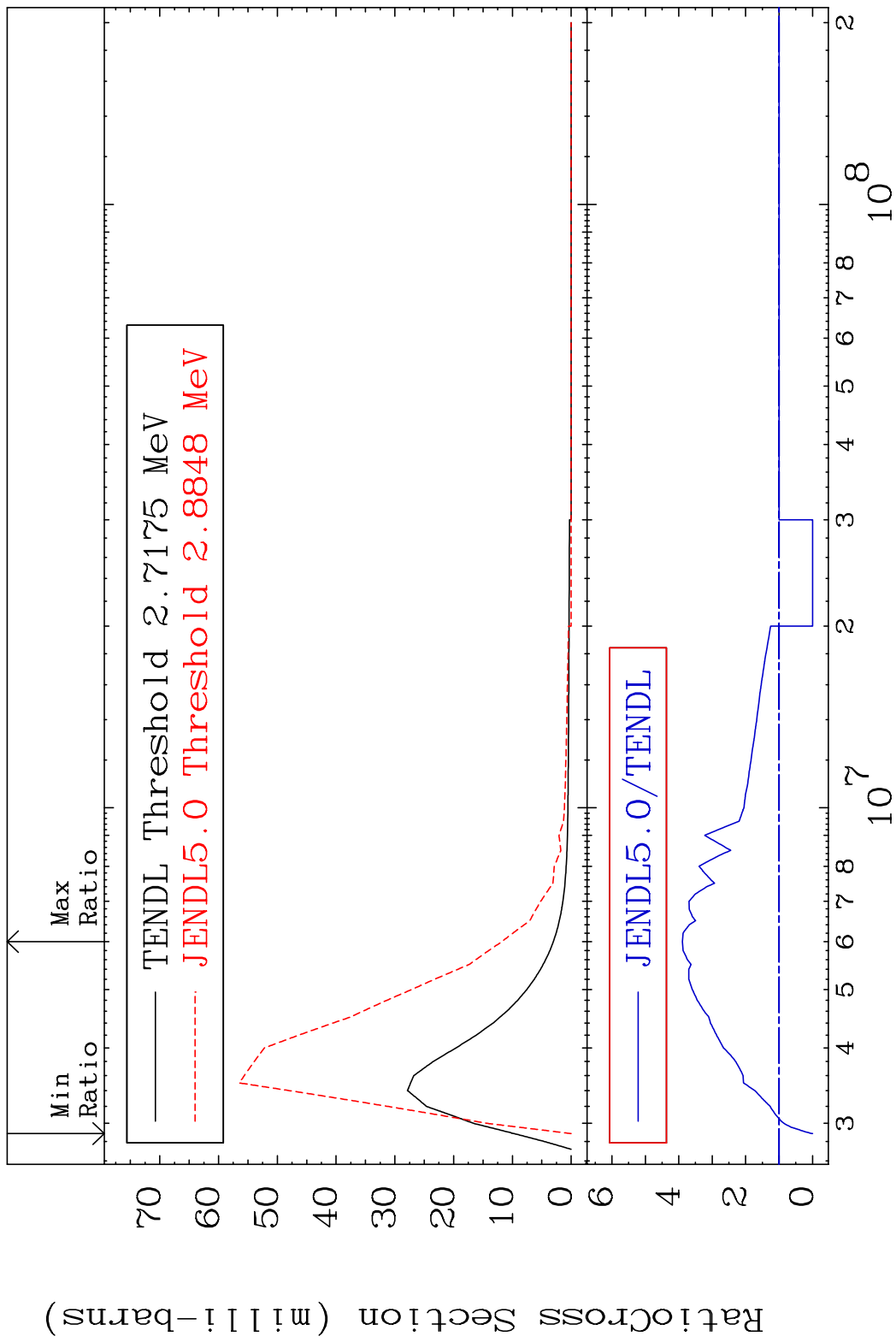
MAT 3637 MT= 65 (n,n') Level 36-Kr-82
 Cross Section -100.0 To 45.75 %



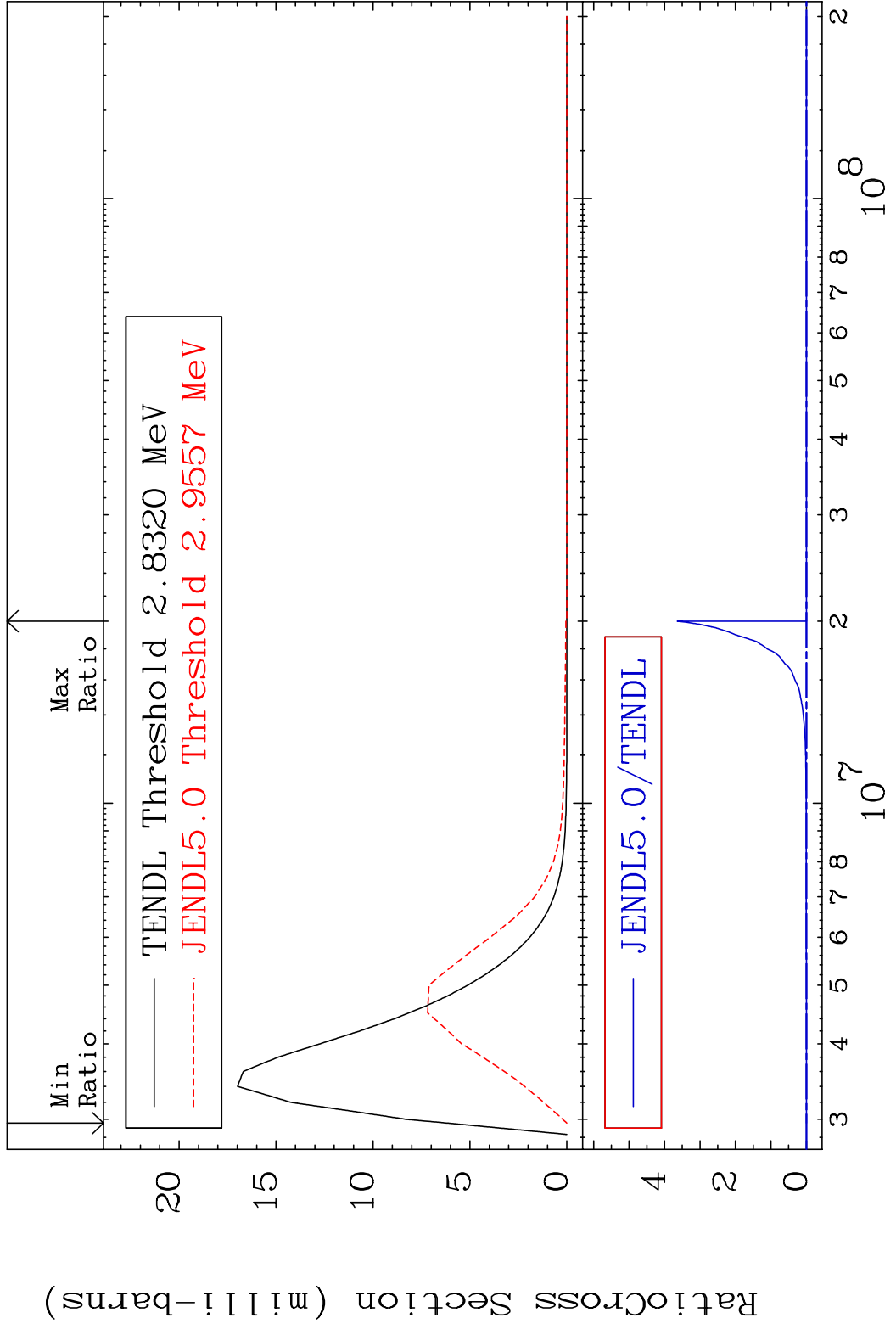
MAT 3637 MT= 66 (n,n') Level 36-Kr-82
 Cross Section -100.0 To 252.5 %



MAT 3637 MT= 67 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 289.3 %

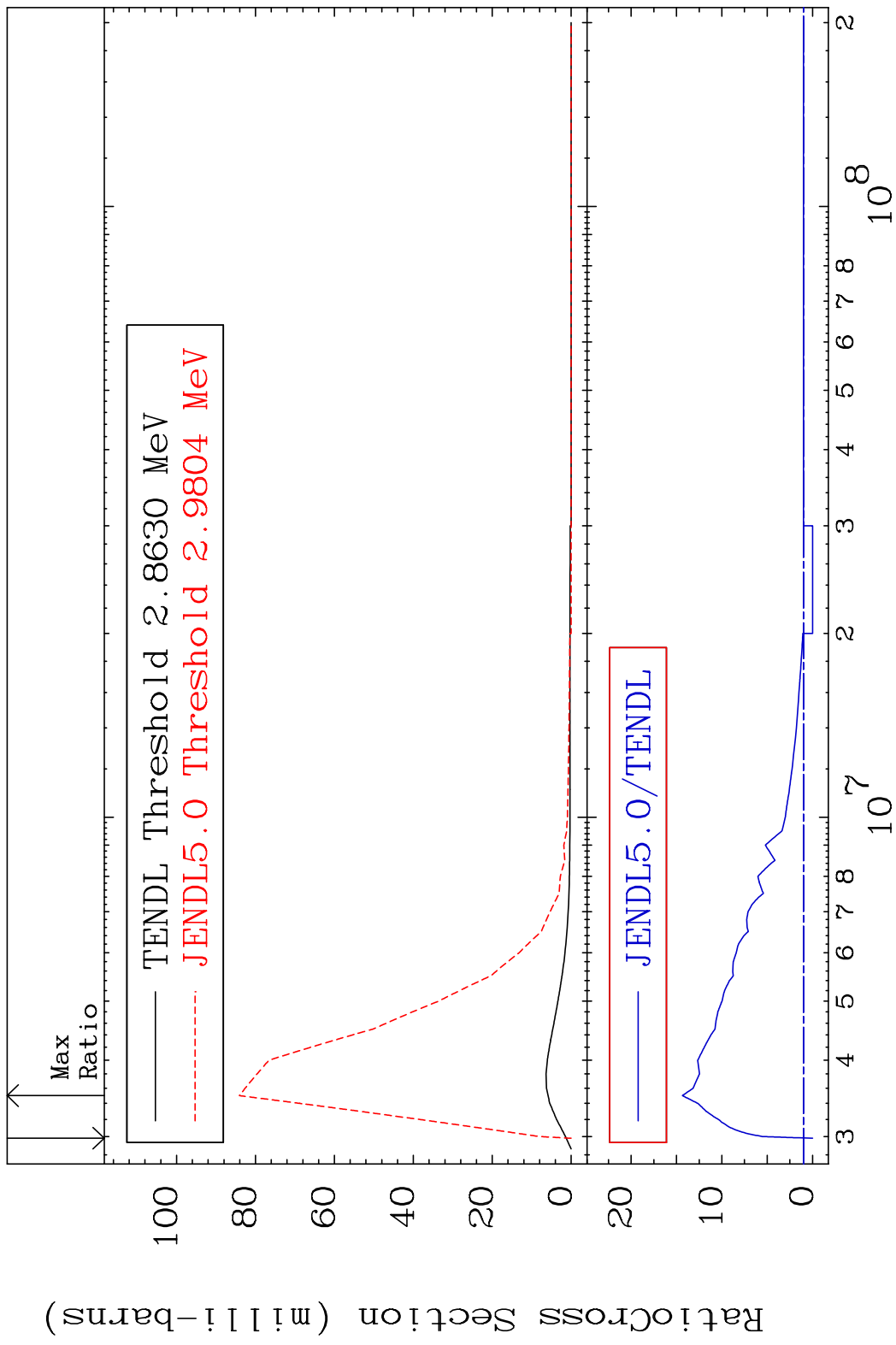


MAT 3637 MT= 68 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 9999. %

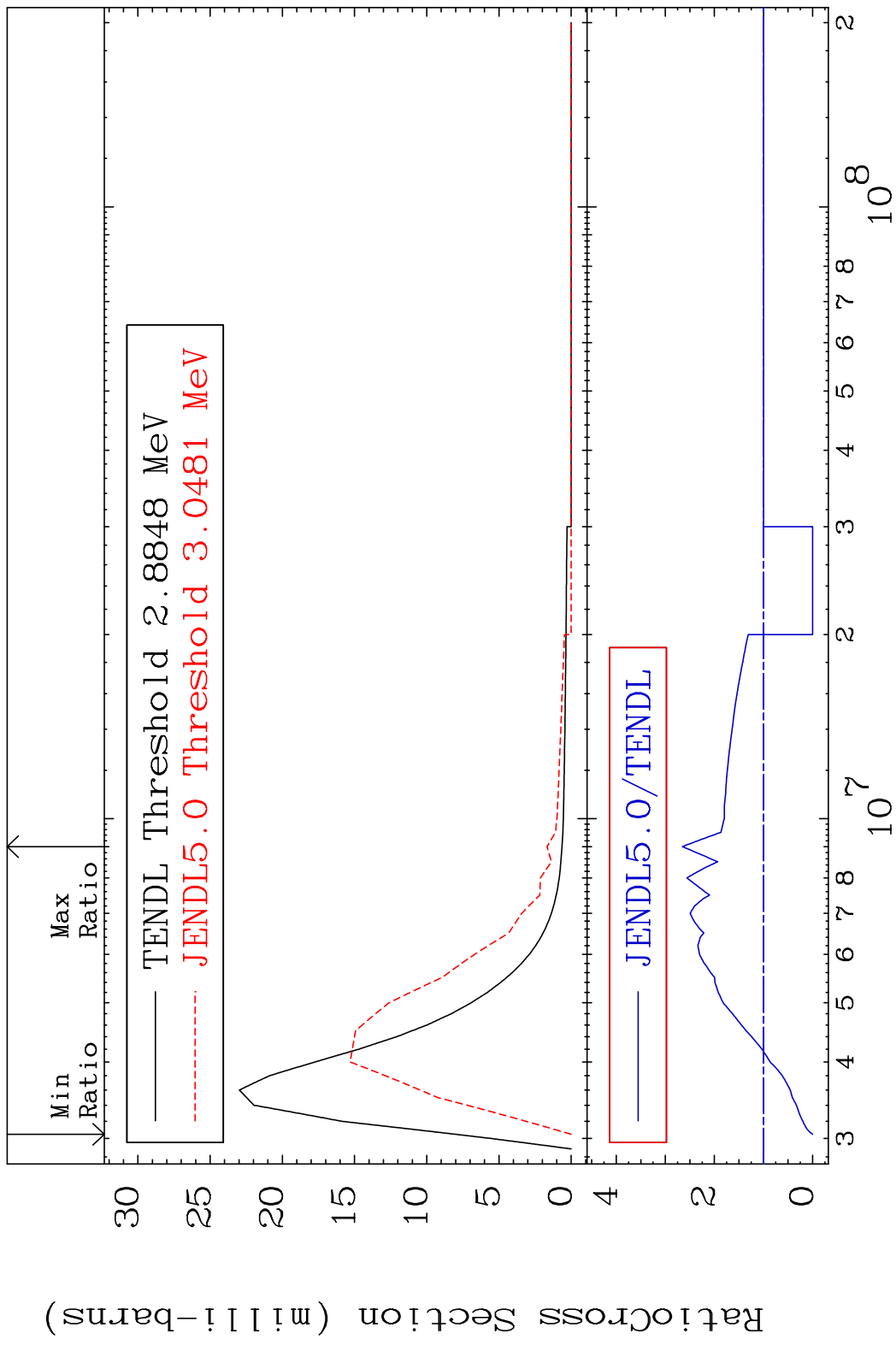


26 Incident Energy (eV) 36-Kr-82

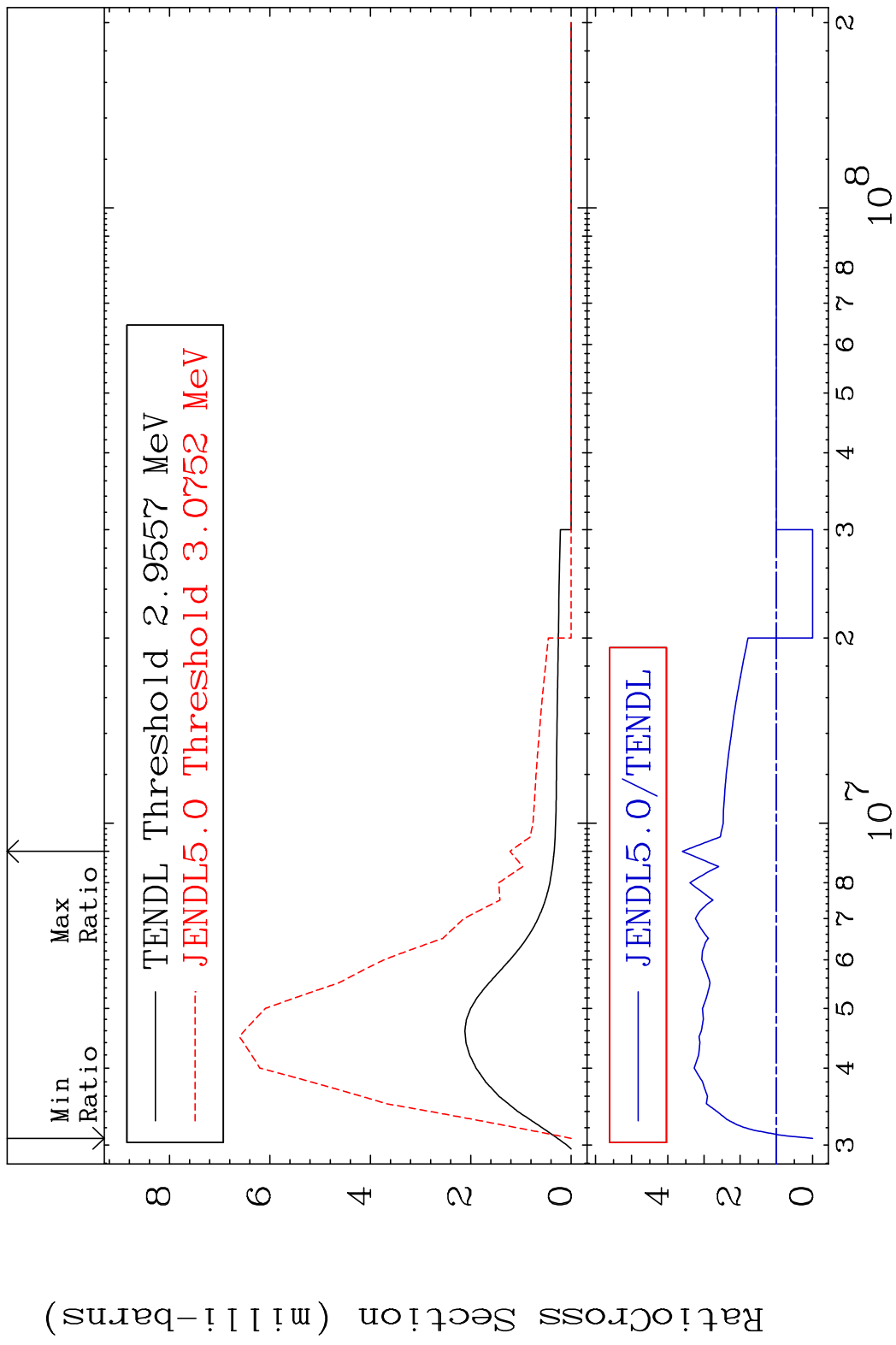
MAT 3637 MT= 69 (n,n') Level 36-Kr-82
 Cross Section -100.0 To 1336. %



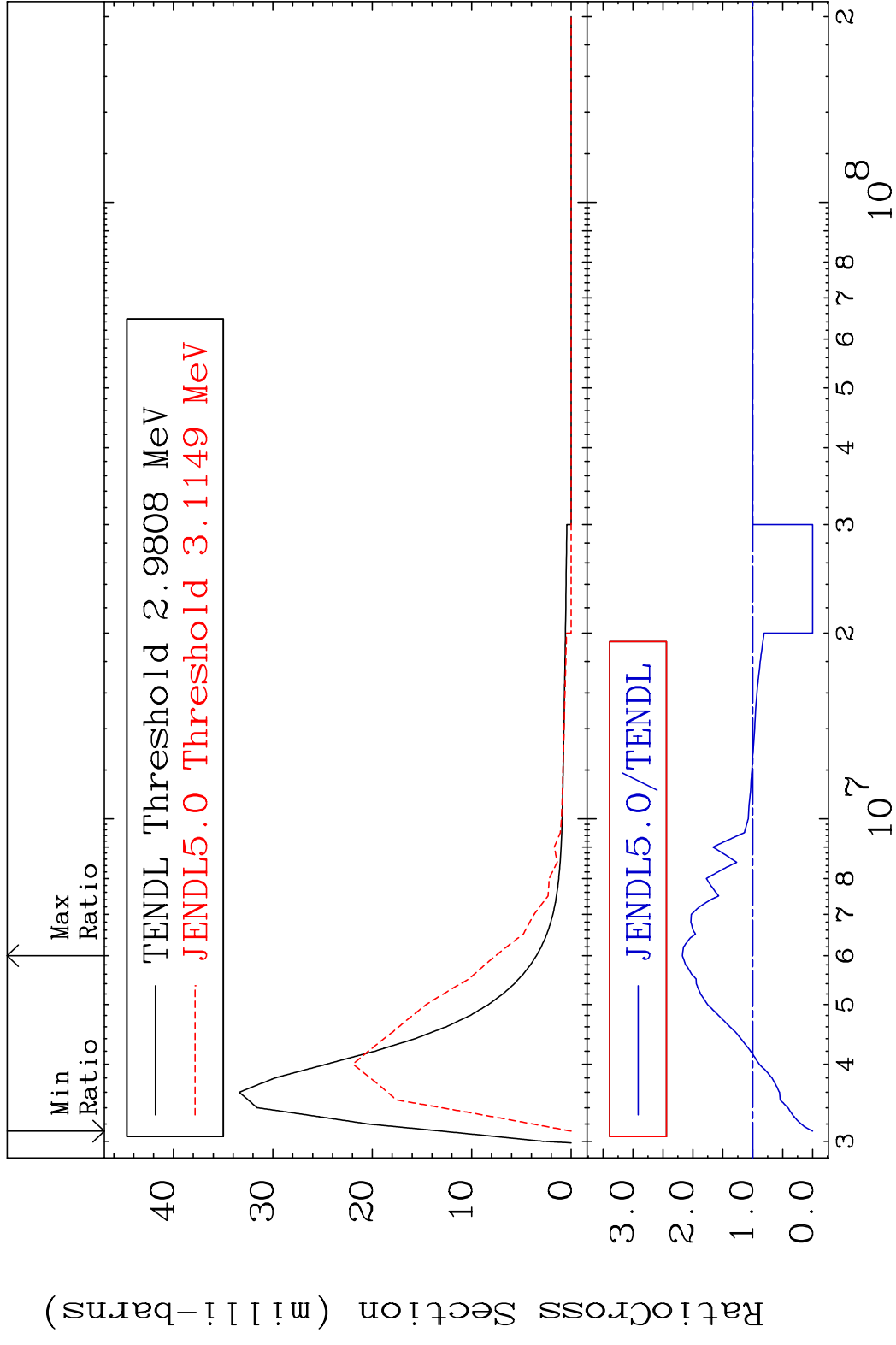
MAT 3637 MT= 70 (n,n') Level 36-Kr-82
 Cross Section -100.0 To 165.3 %



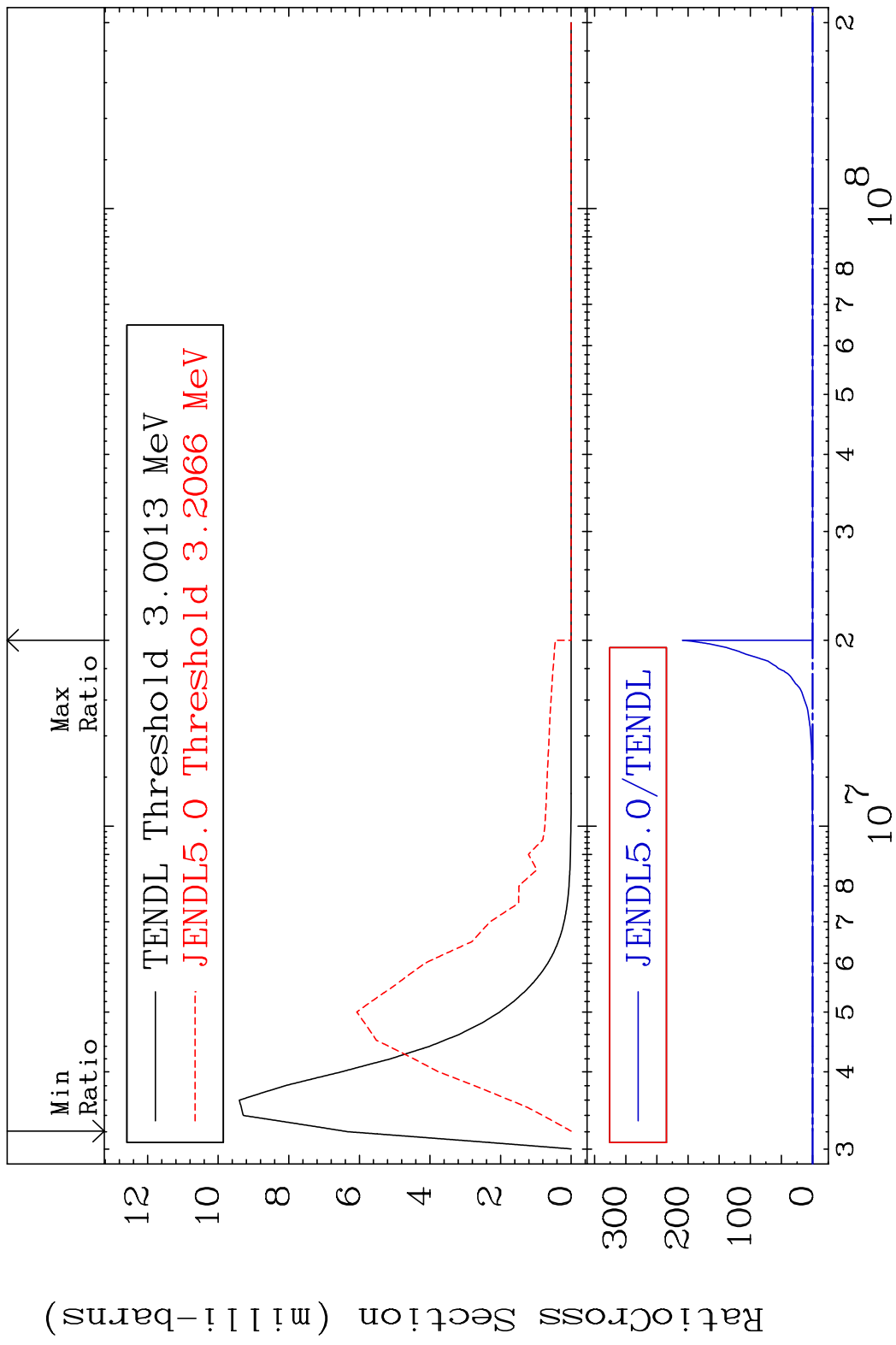
MAT 3637 MT= 71 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 259.8 %



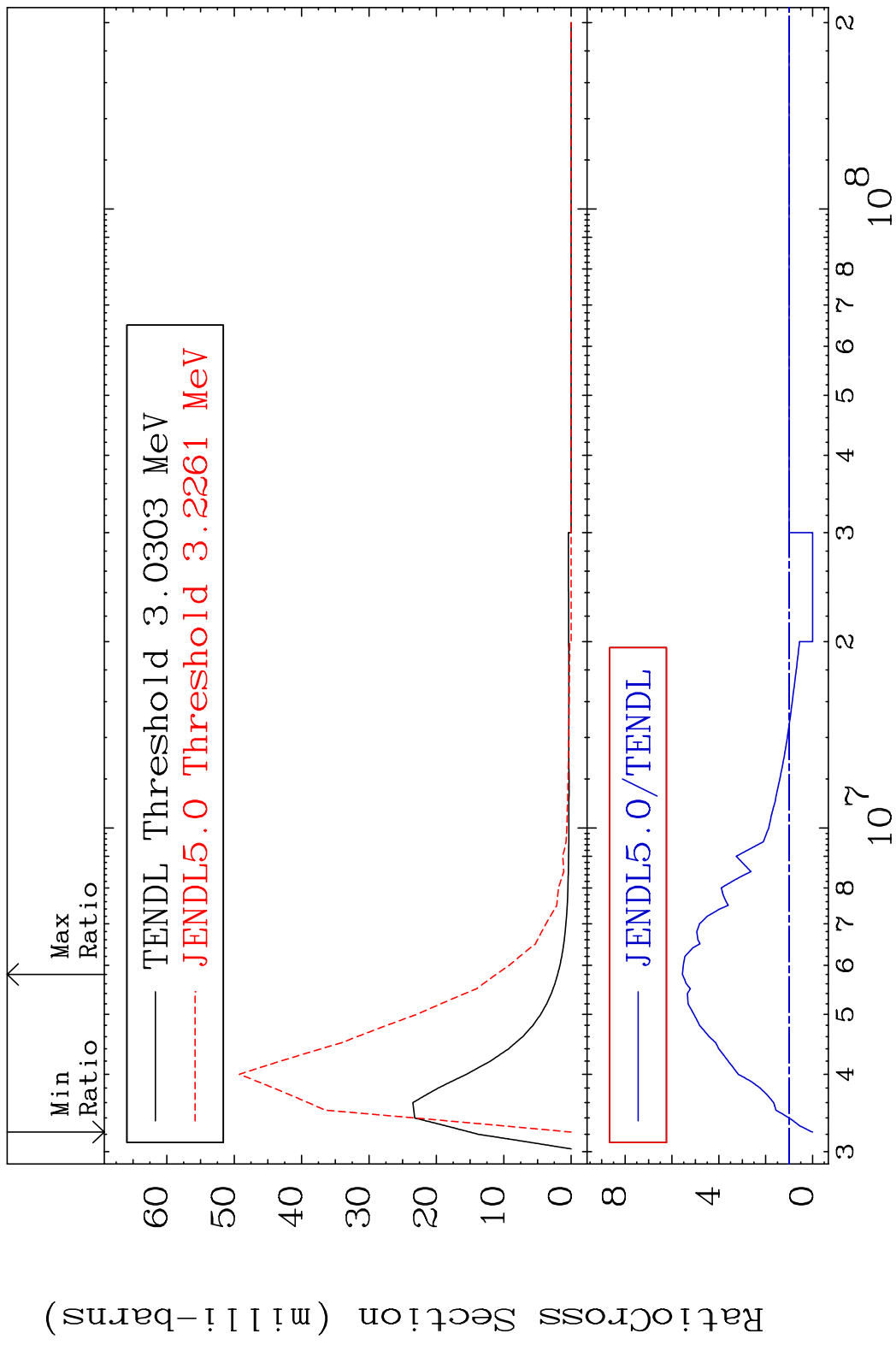
MAT 3637 MT= 72 (n,n') Level 36-Kr-82
 Cross Section -100.0 To 117.5 %



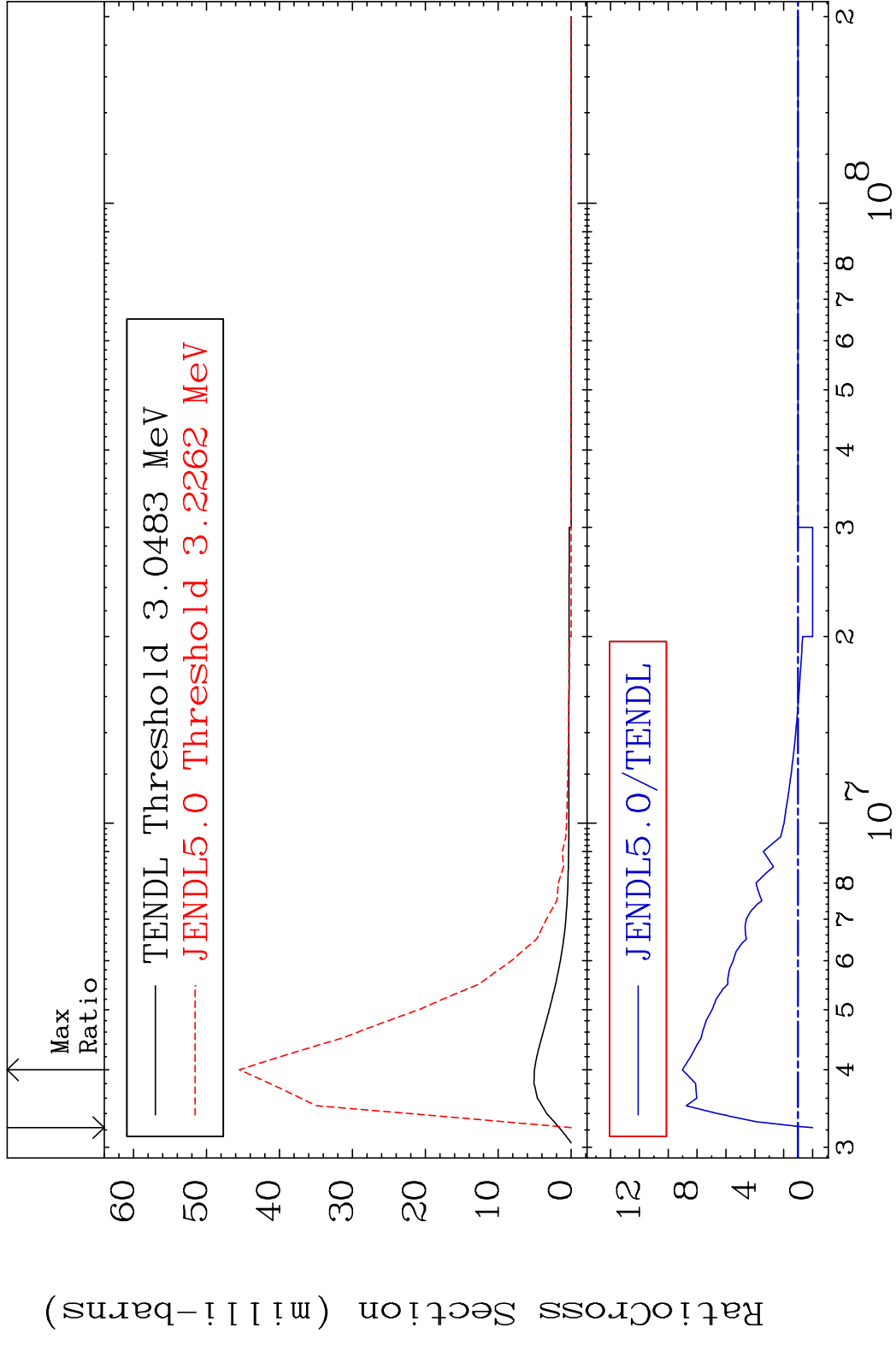
MAT 3637 MT= 73 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 9999. %



MAT 3637 MT= 74 (n,n') Level 36-Kr-82
 Cross Section -100.0 To 455.8 %



MAT 3637 MT= 75 (n,n') Level 36-Kr-82
 Cross Section -100.0 To 802.1 %

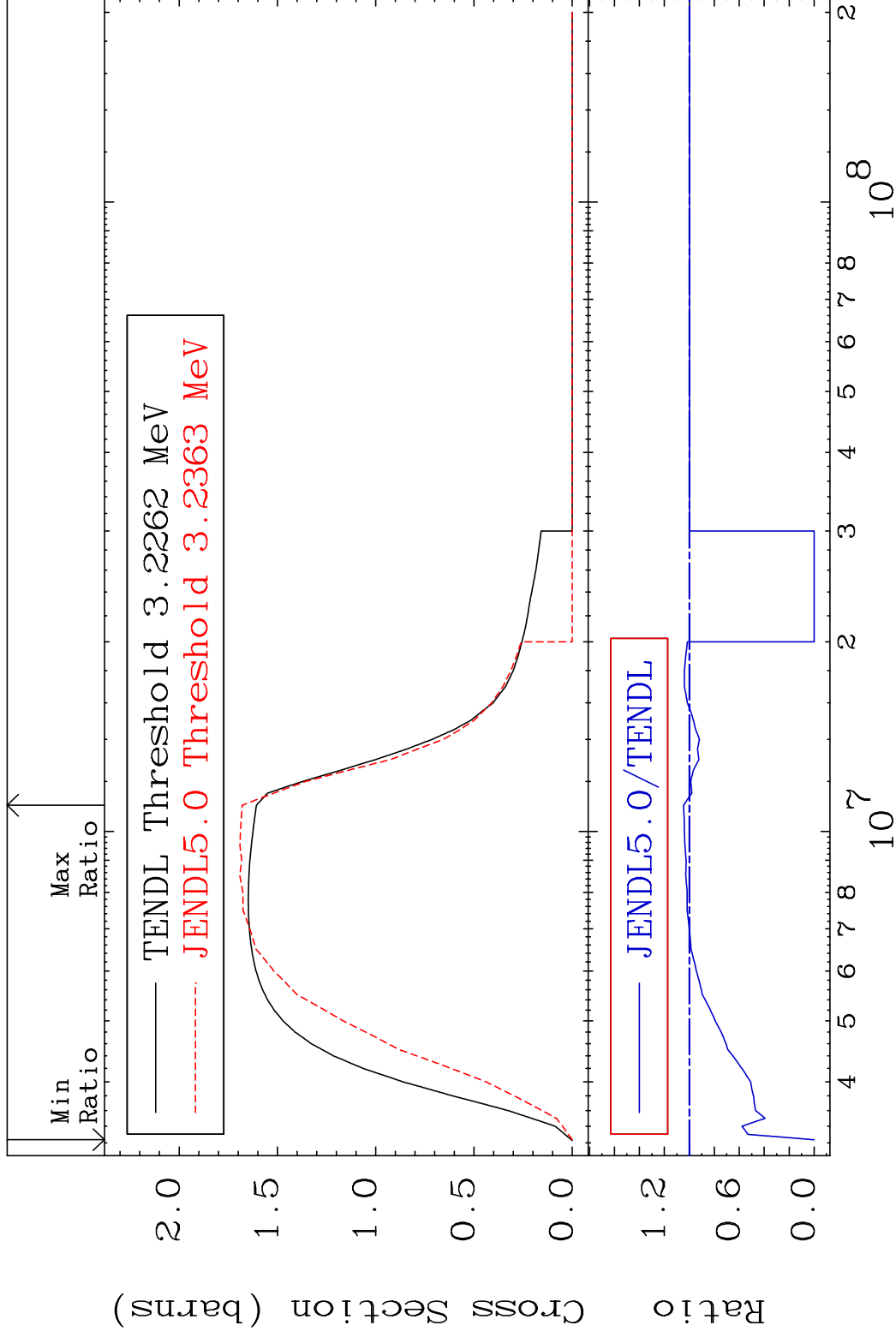


MAT 3637

(n, n') Continuum

36-Kr-82

Cross Section -100.0 To 4.516 %



34

Incident Energy (eV)

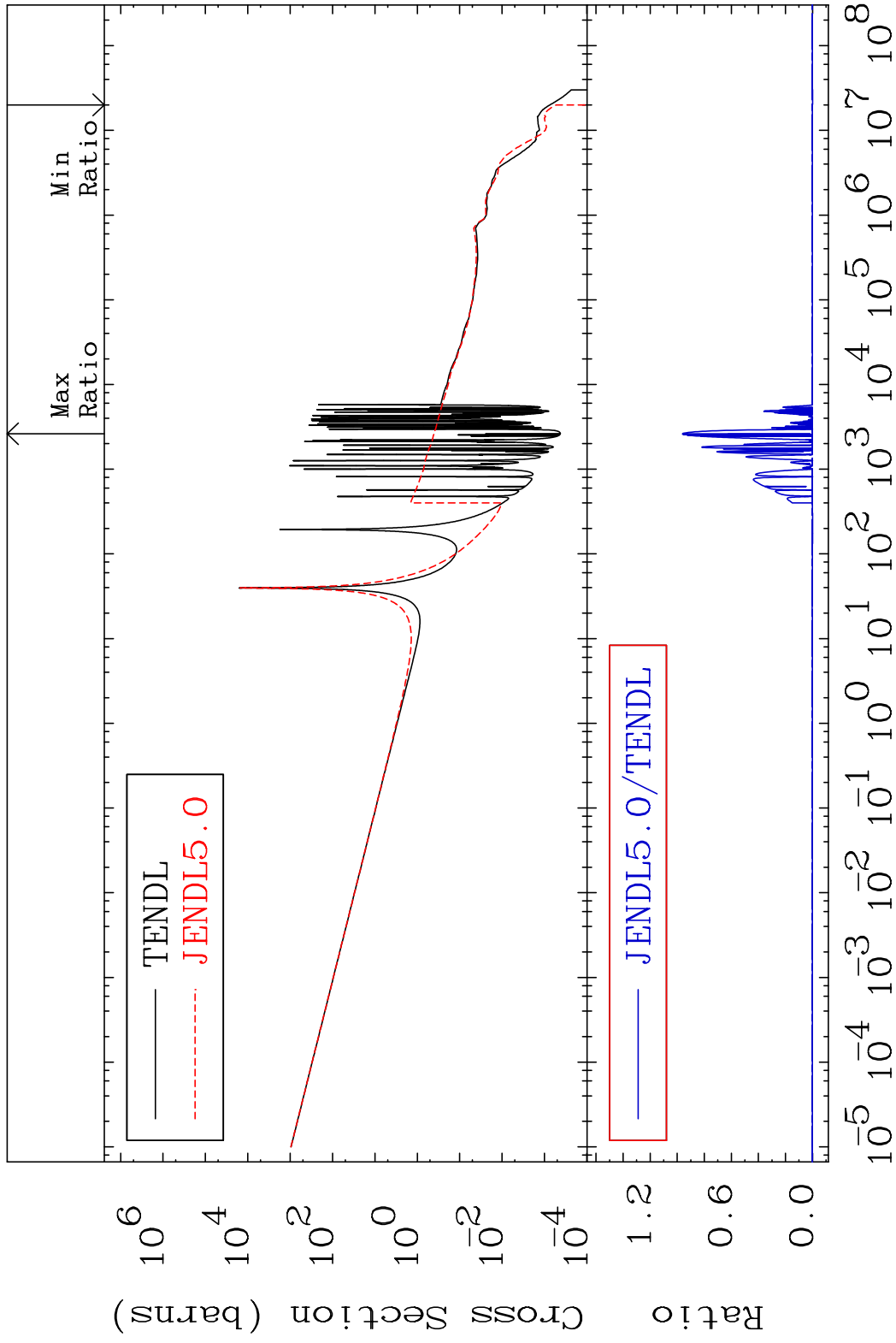
36-Kr-82

MAT 3637

(n, γ)

36-Kr-82

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

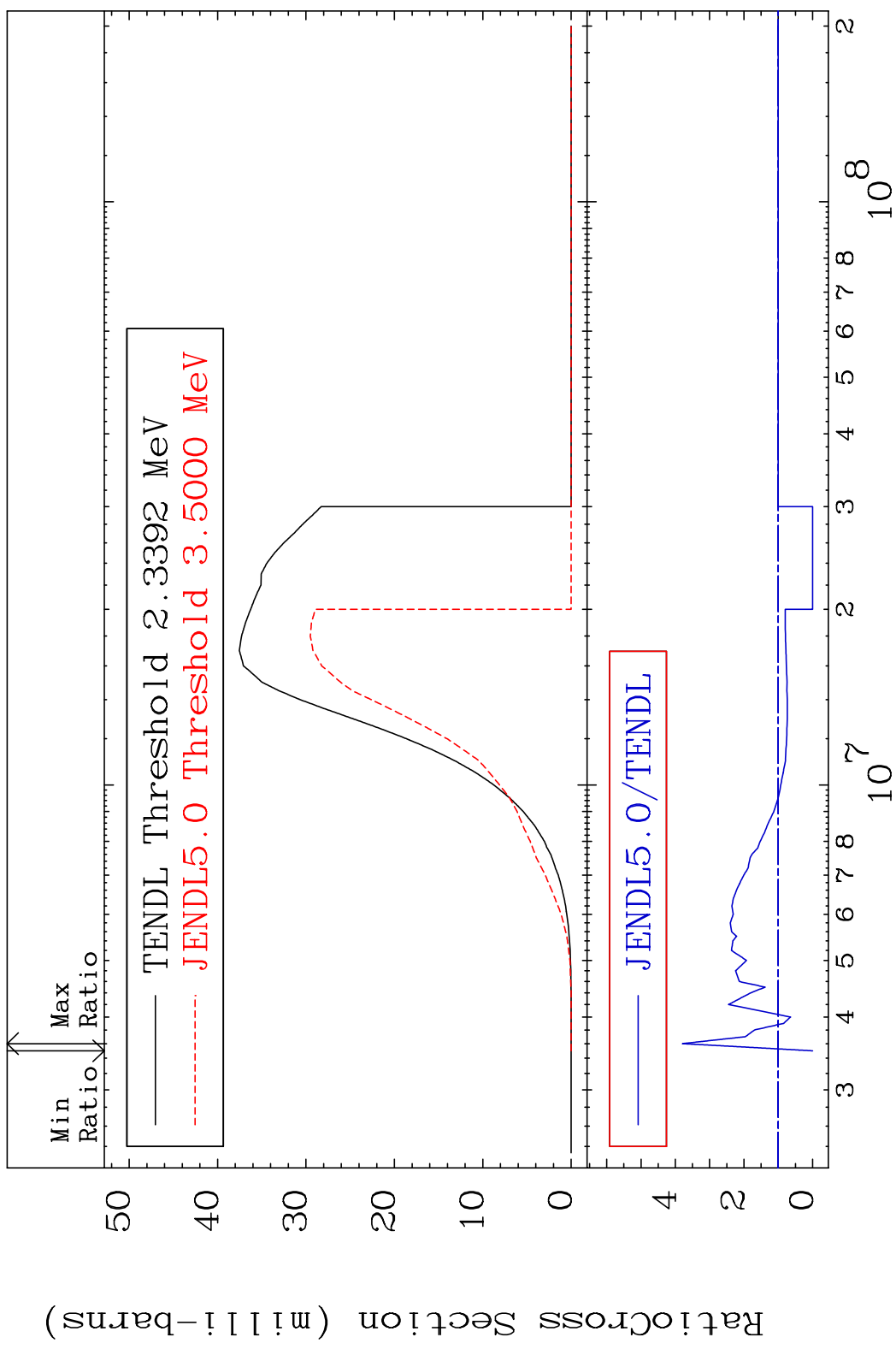
36-Kr-82

MAT 3637

(n, p)

36-Kr-82

Cross Section -100.0 To 279.5 %



36

Incident Energy (eV)

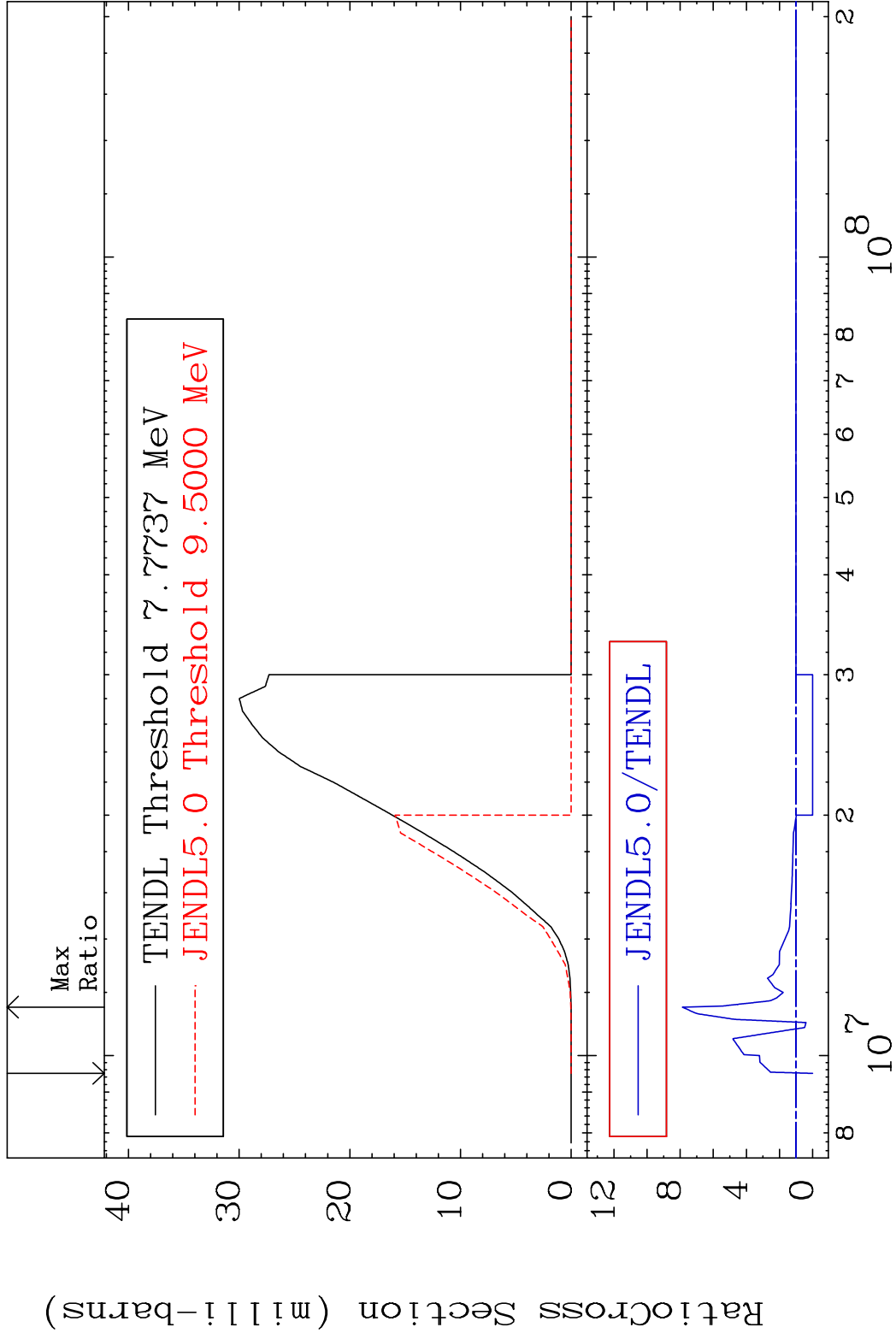
36-Kr-82

MAT 3637

(n,d)

36-Kr-82

Cross Section -100.0 To 686.8 %



37

Incident Energy (eV)

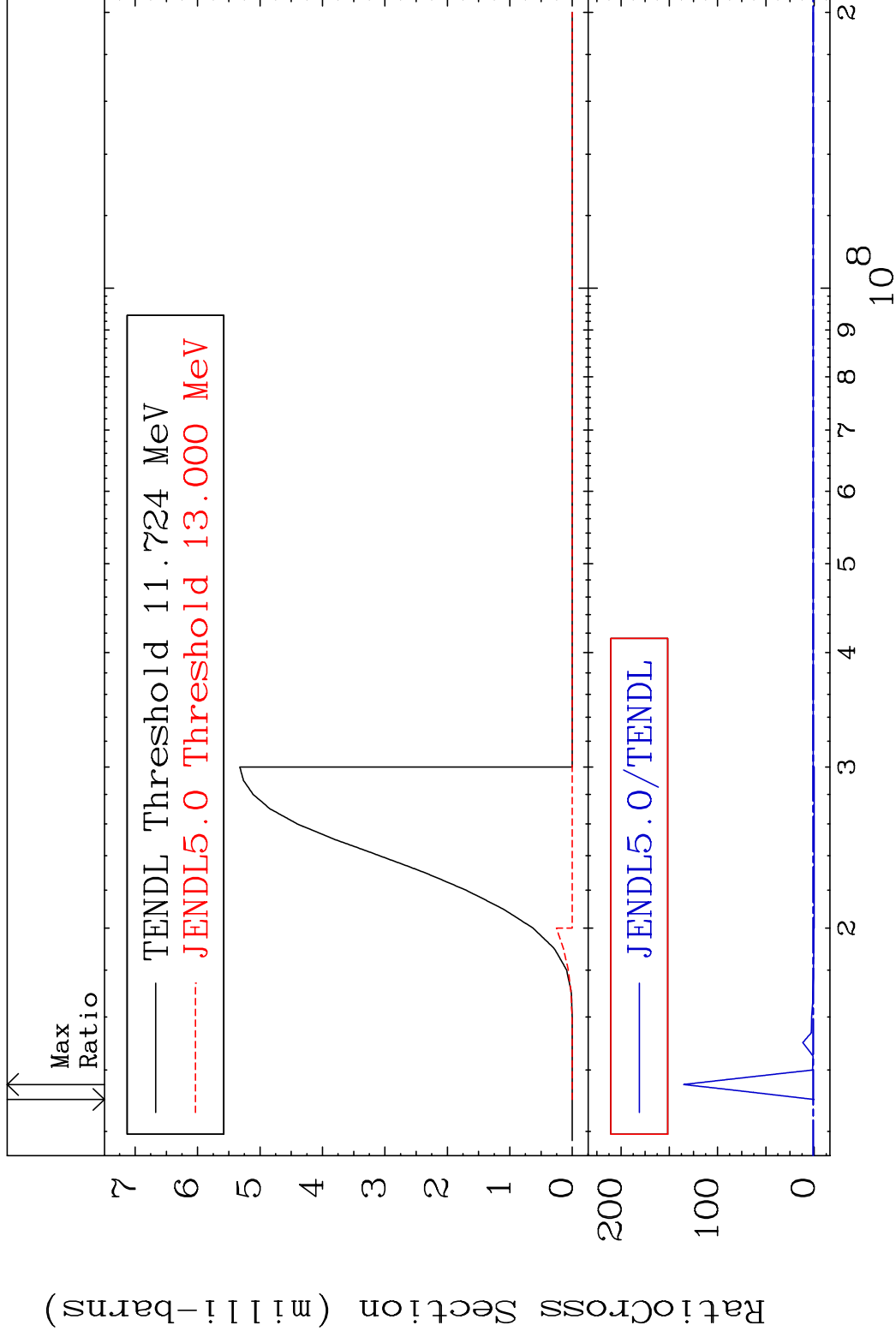
36-Kr-82

MAT 3637

(n, t)

36-Kr-82

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

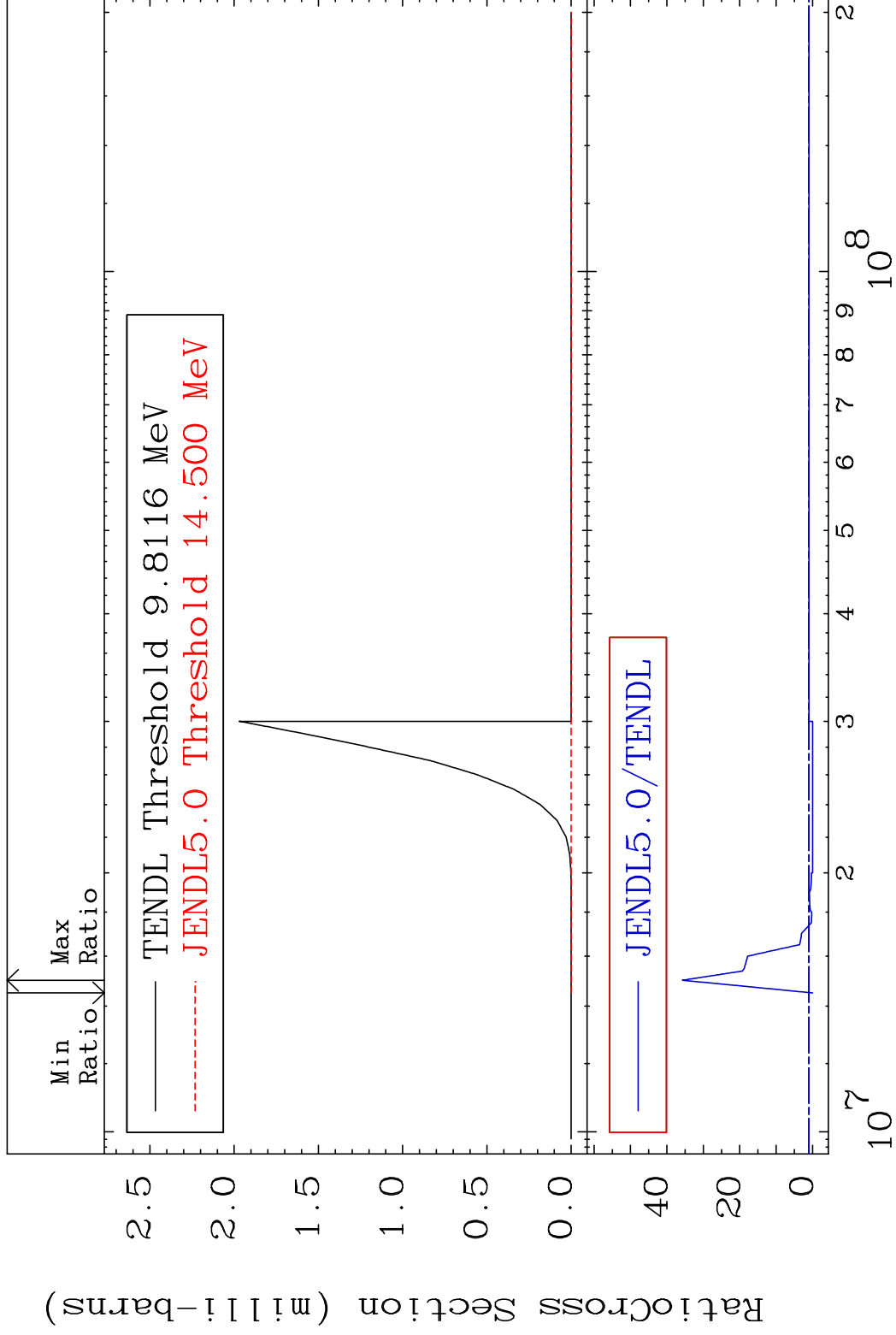
36-Kr-82

MAT 3637

(n, He-3)

36-Kr-82

Cross Section -100.0 To 3475. %



39

Incident Energy (eV)

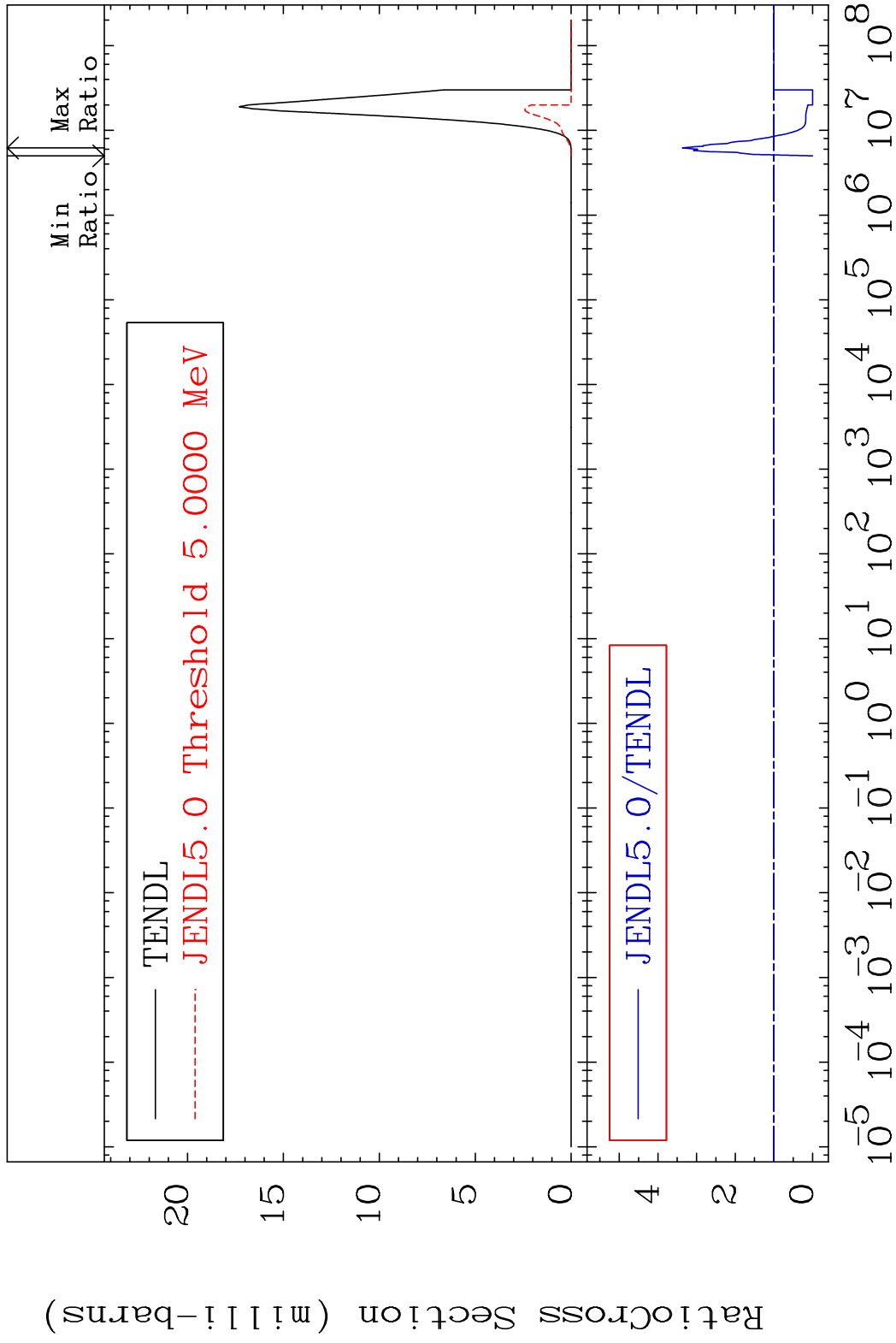
36-Kr-82

MAT 3637

(n, α)

36-Kr-82

Cross Section -100.0 To 236.7 %

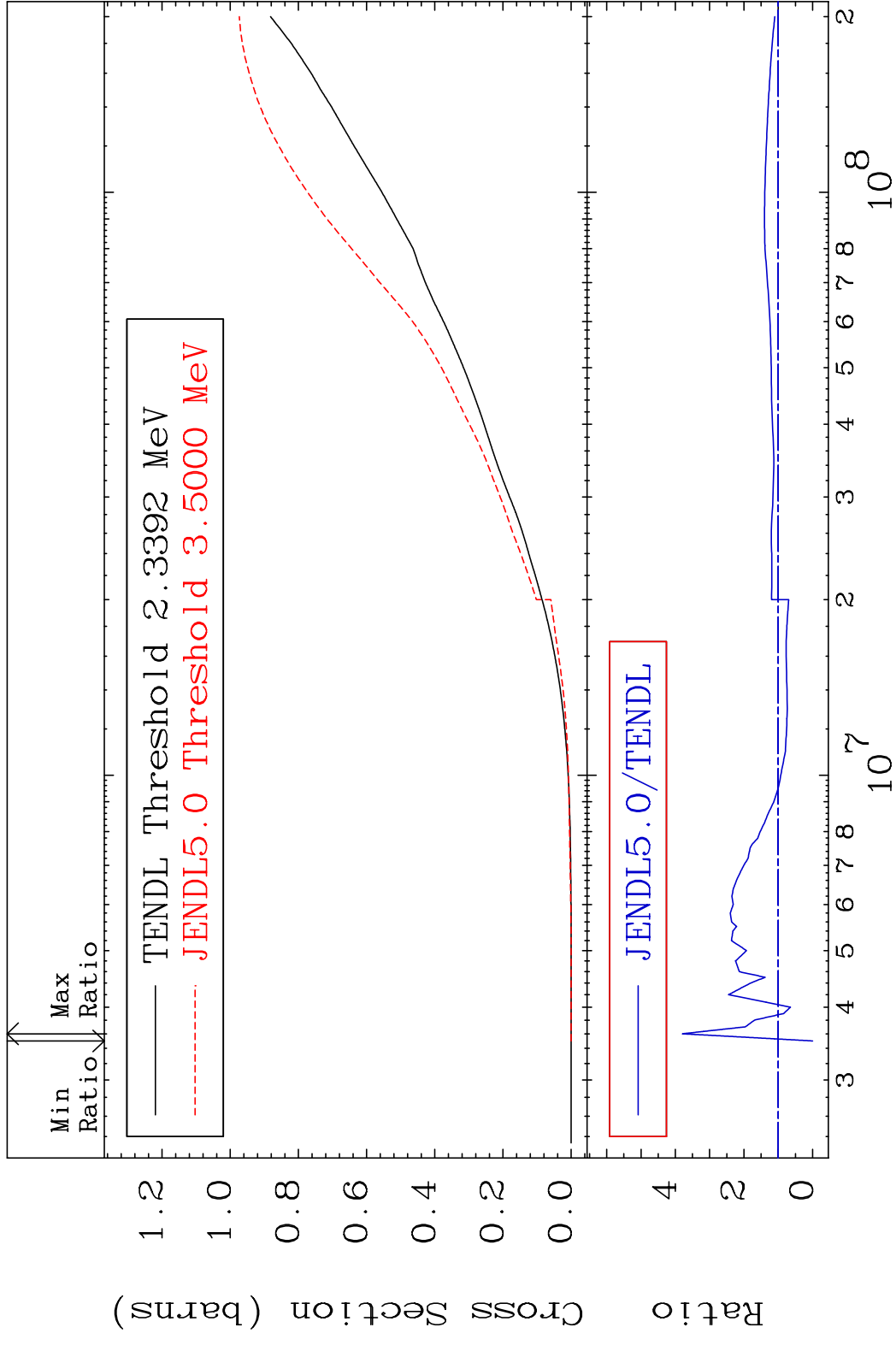


MAT 3637

Hydrogen Production

36-Kr-82

Cross Section -100.0 To 279.5 %

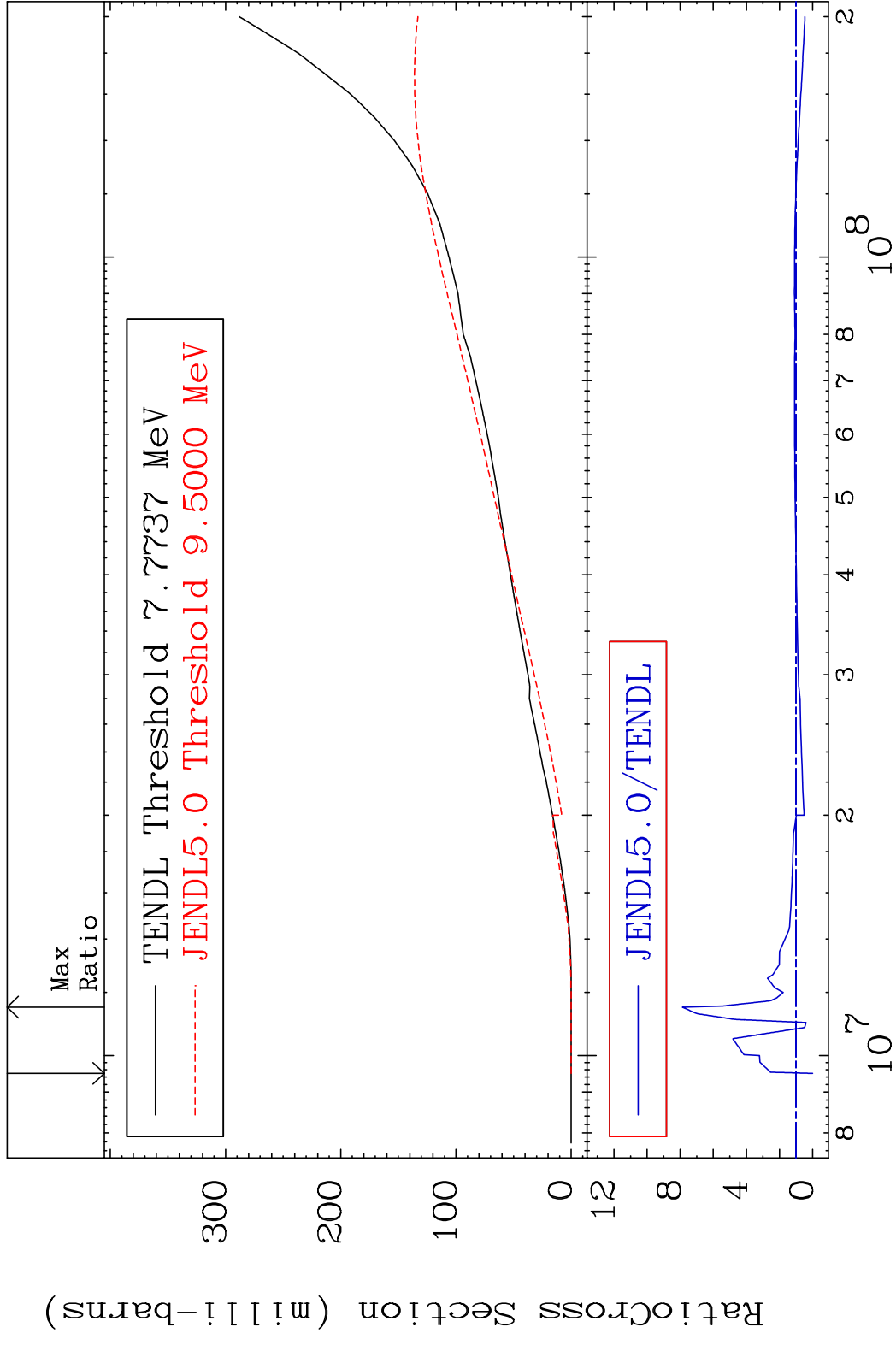


MAT 3637

Deuterium Production

36-Kr-82

Cross Section -100.0 To 686.8 %



42

Incident Energy (eV)

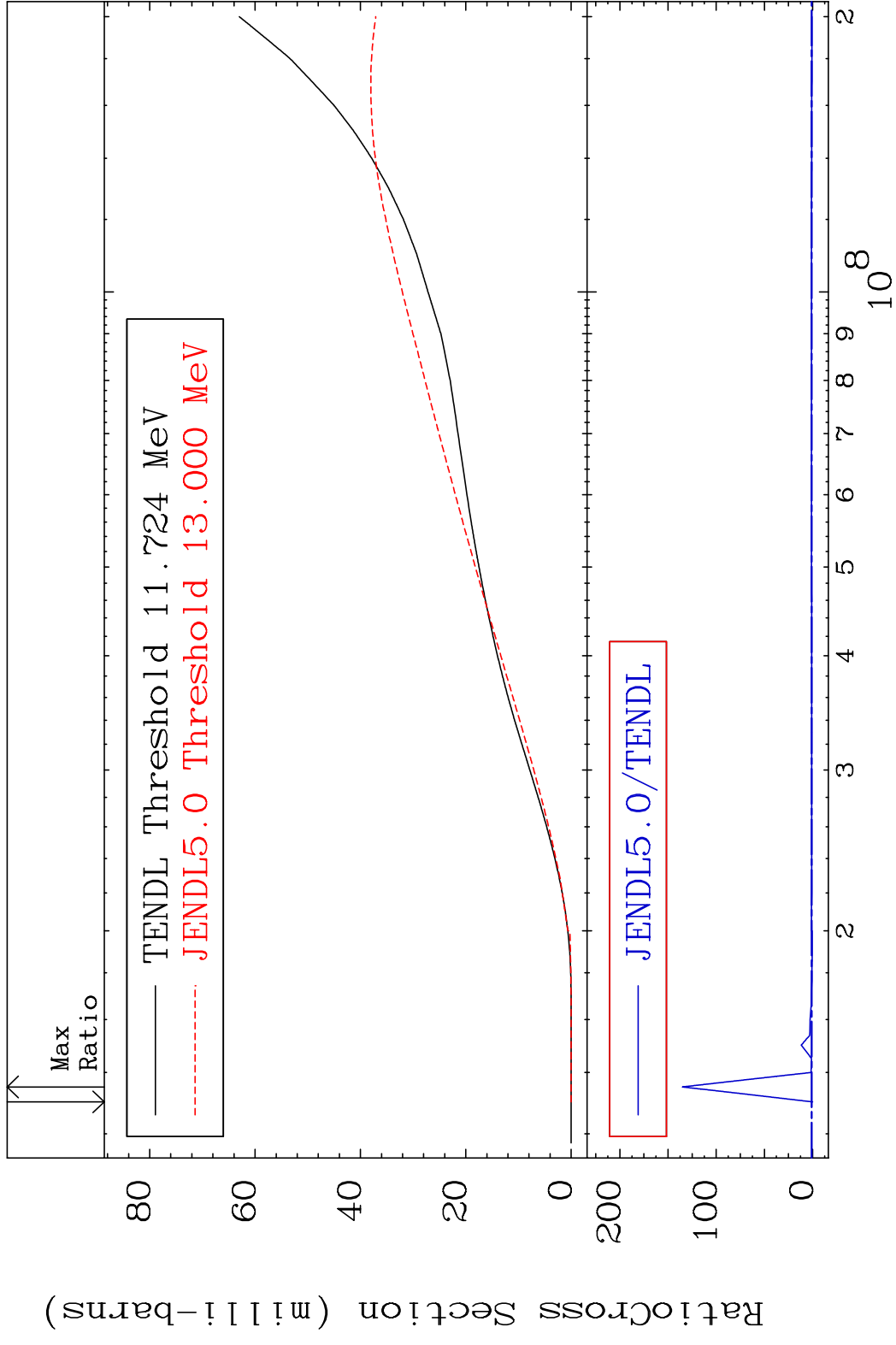
36-Kr-82

MAT 3637

Tritium Production

36-Kr-82

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

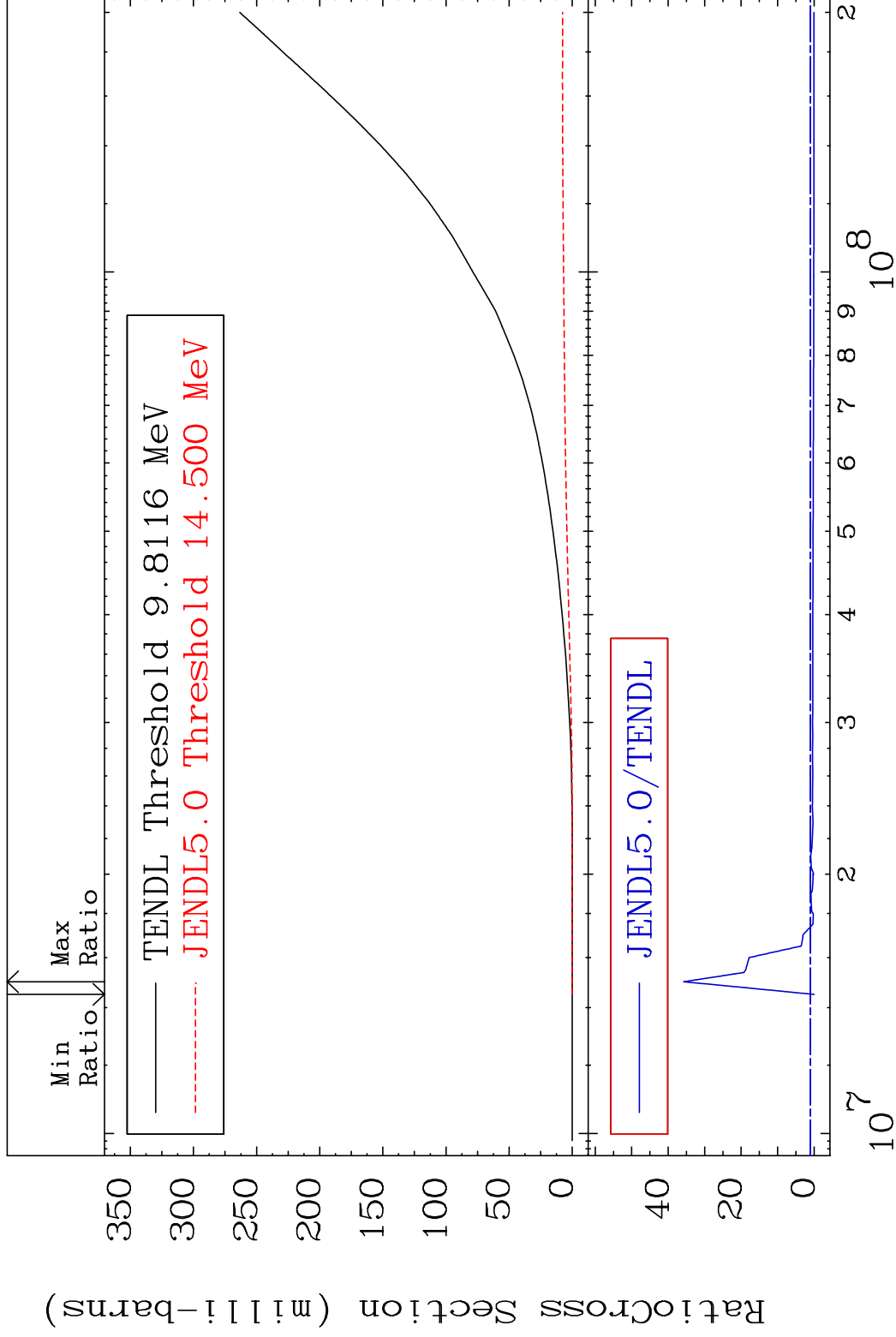
36-Kr-82

MAT 3637

He-3 Production

36-Kr-82

Cross Section -100.0 To 3475. %



44

Incident Energy (eV)

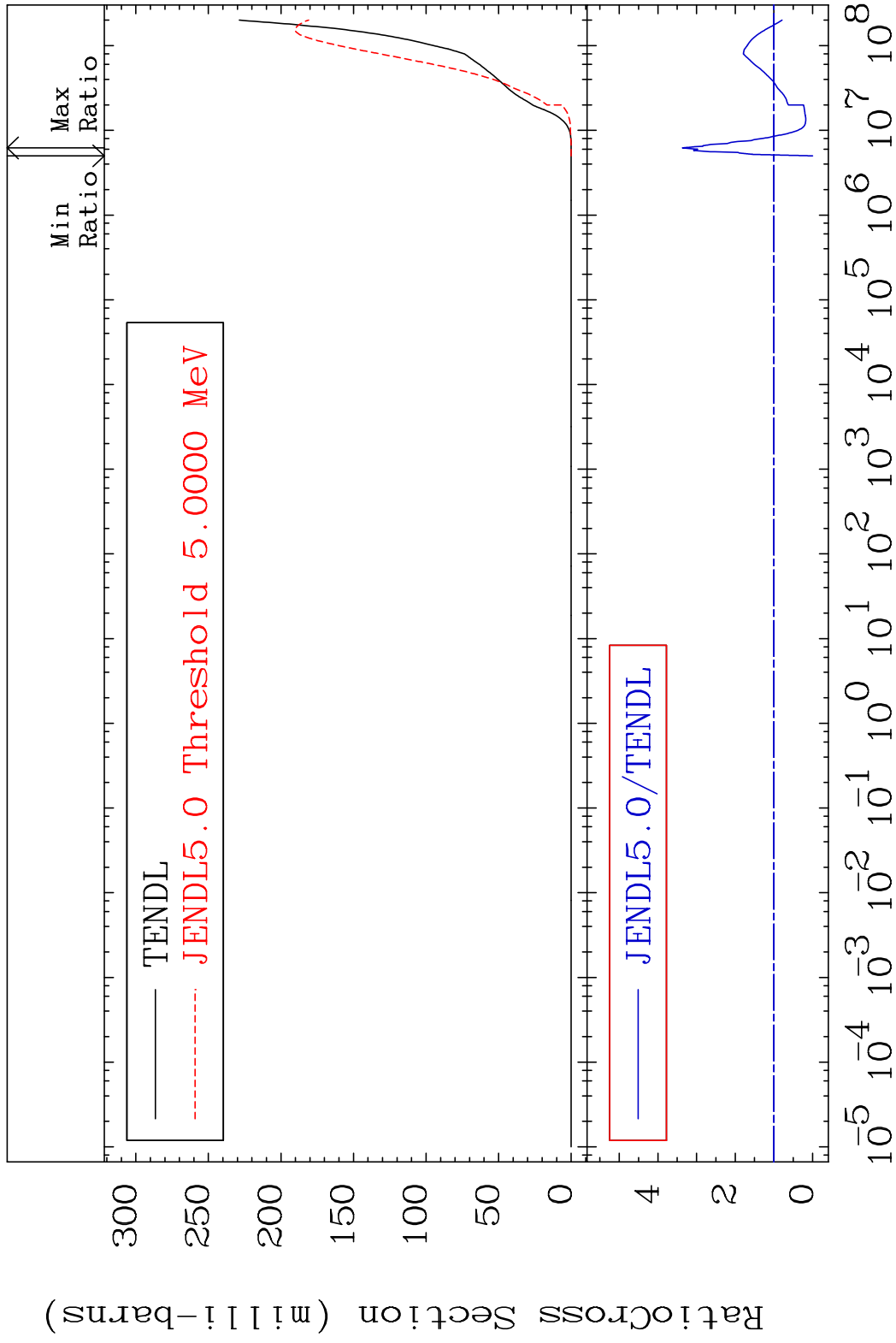
36-Kr-82

MAT 3637

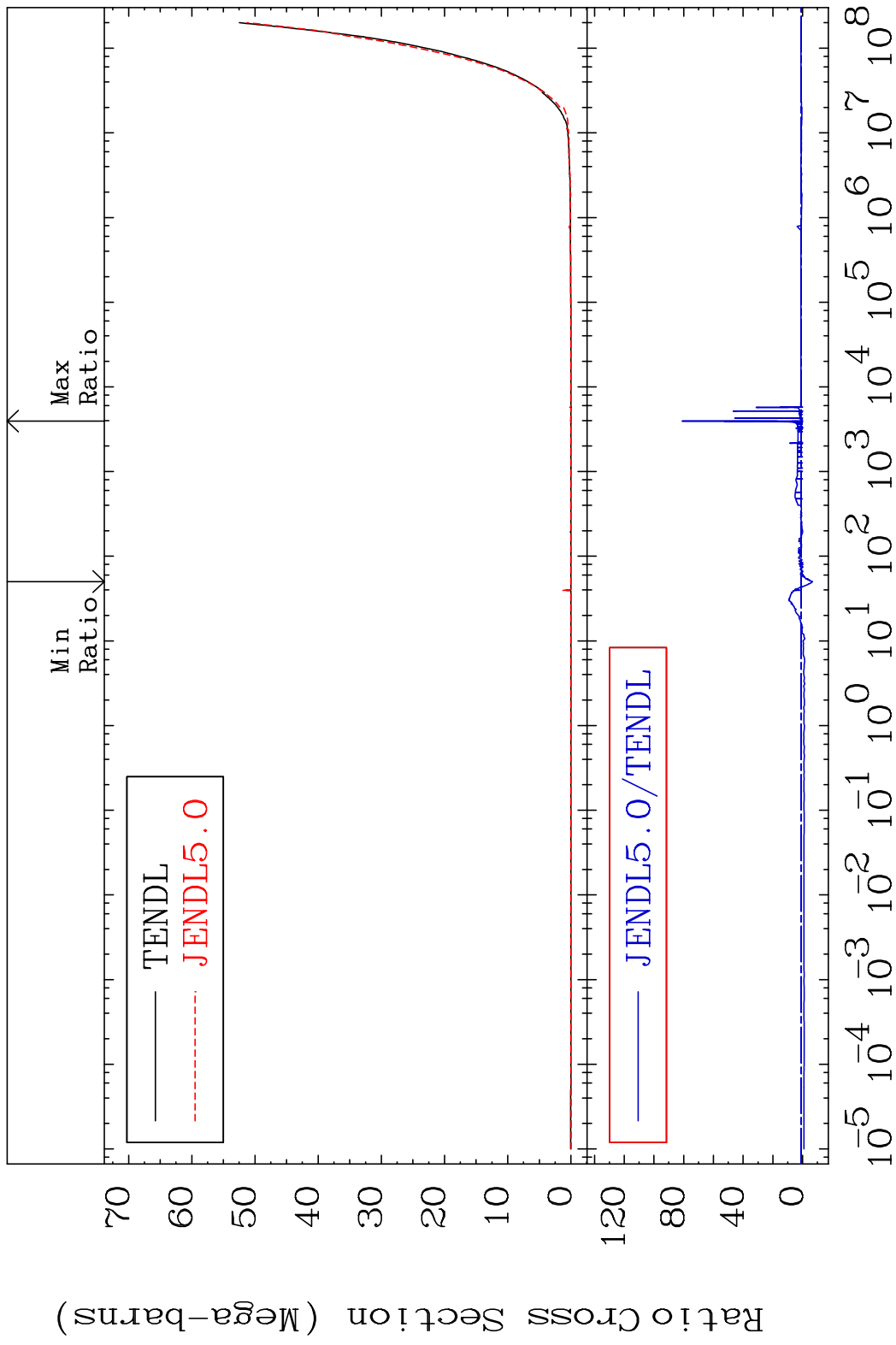
He-4 Production

36-Kr-82

Cross Section -100.0 To 236.7 %



MAT 3637 Kerma total (eV-barns) 36-Kr-82
Cross Section -769.2 To 7989. %



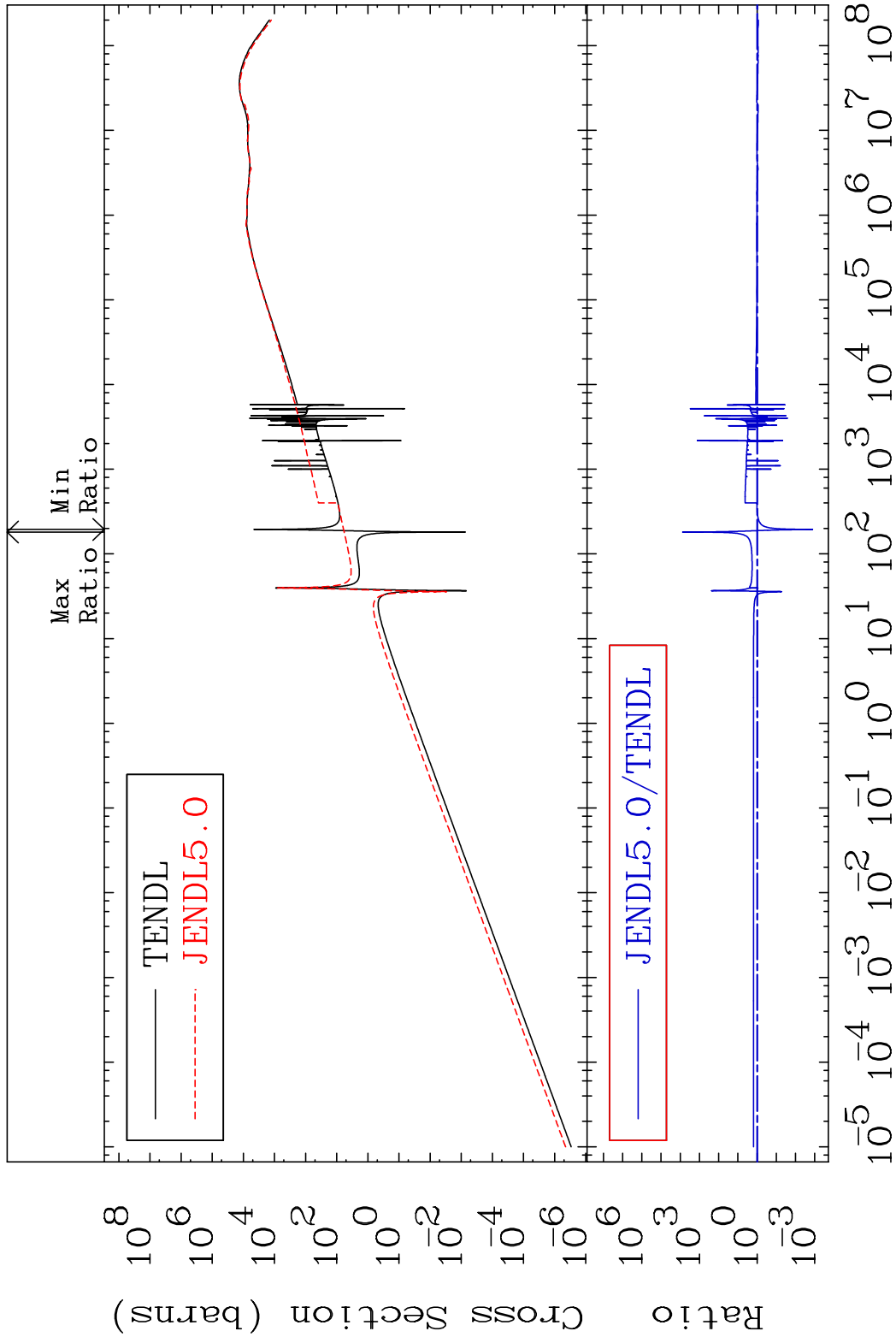
46 36-Kr-82

MAT 3637

Kerma elastic

36-Kr-82

Cross Section -99.87 To 9999. %

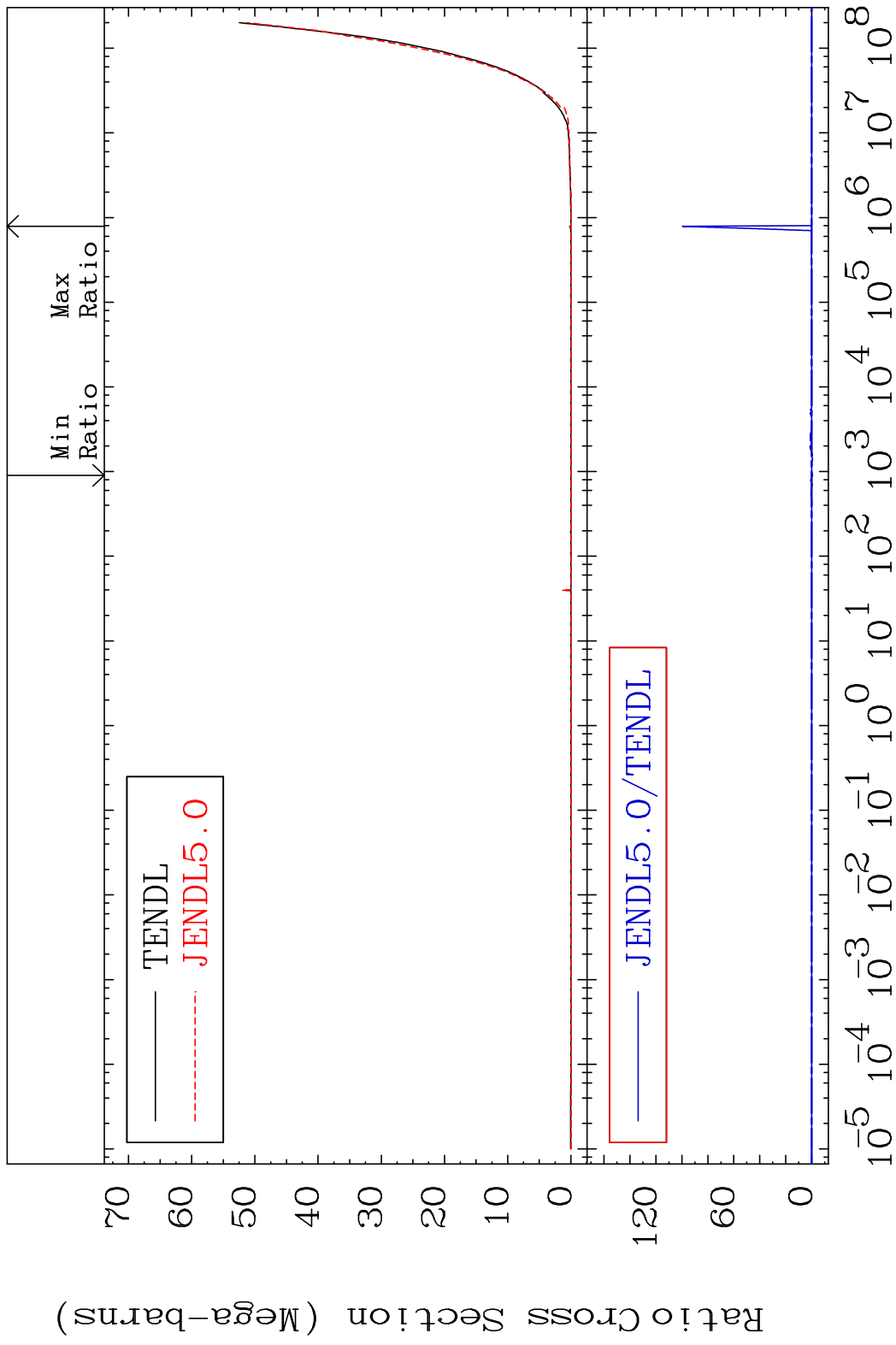


47

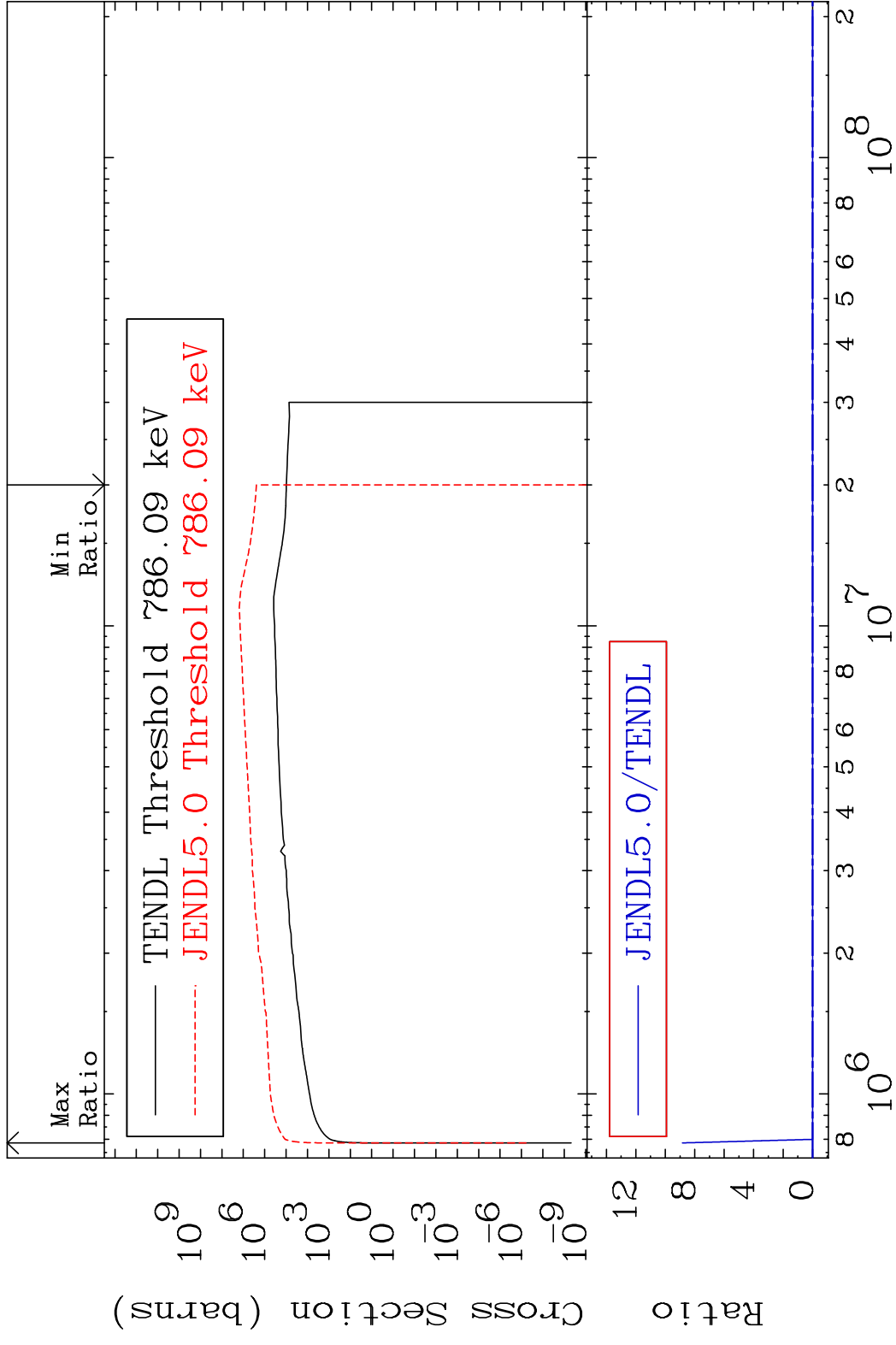
Incident Energy (eV)

36-Kr-82

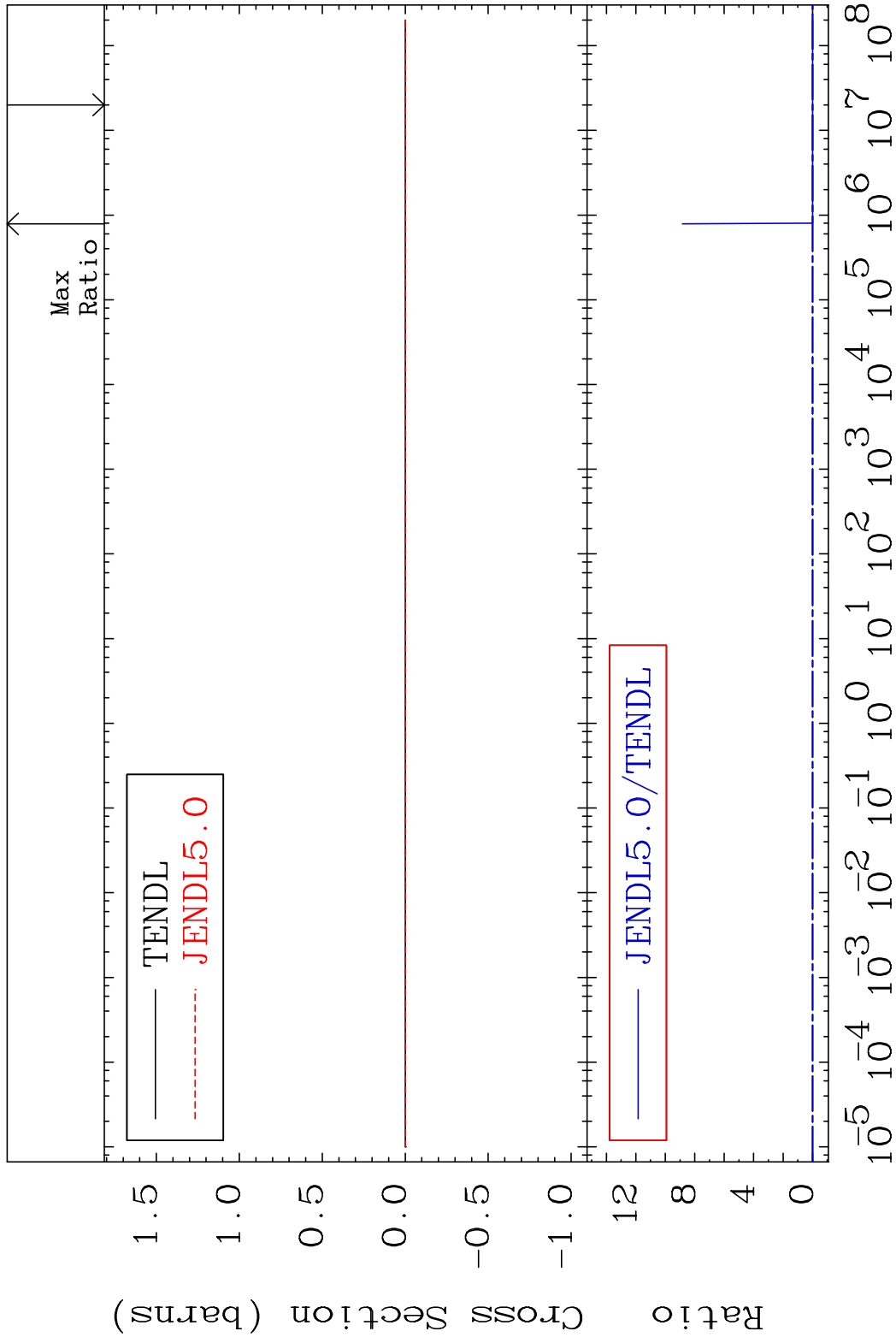
MAT 3637 Kerma non-elastic (all but mt2) 36-Kr-82
 Cross Section -9999. To 9999. %



MAT 3637 Kerma inelastic (mt51-91) 36-Kr-82
 Cross Section -100.0 To 9999. %

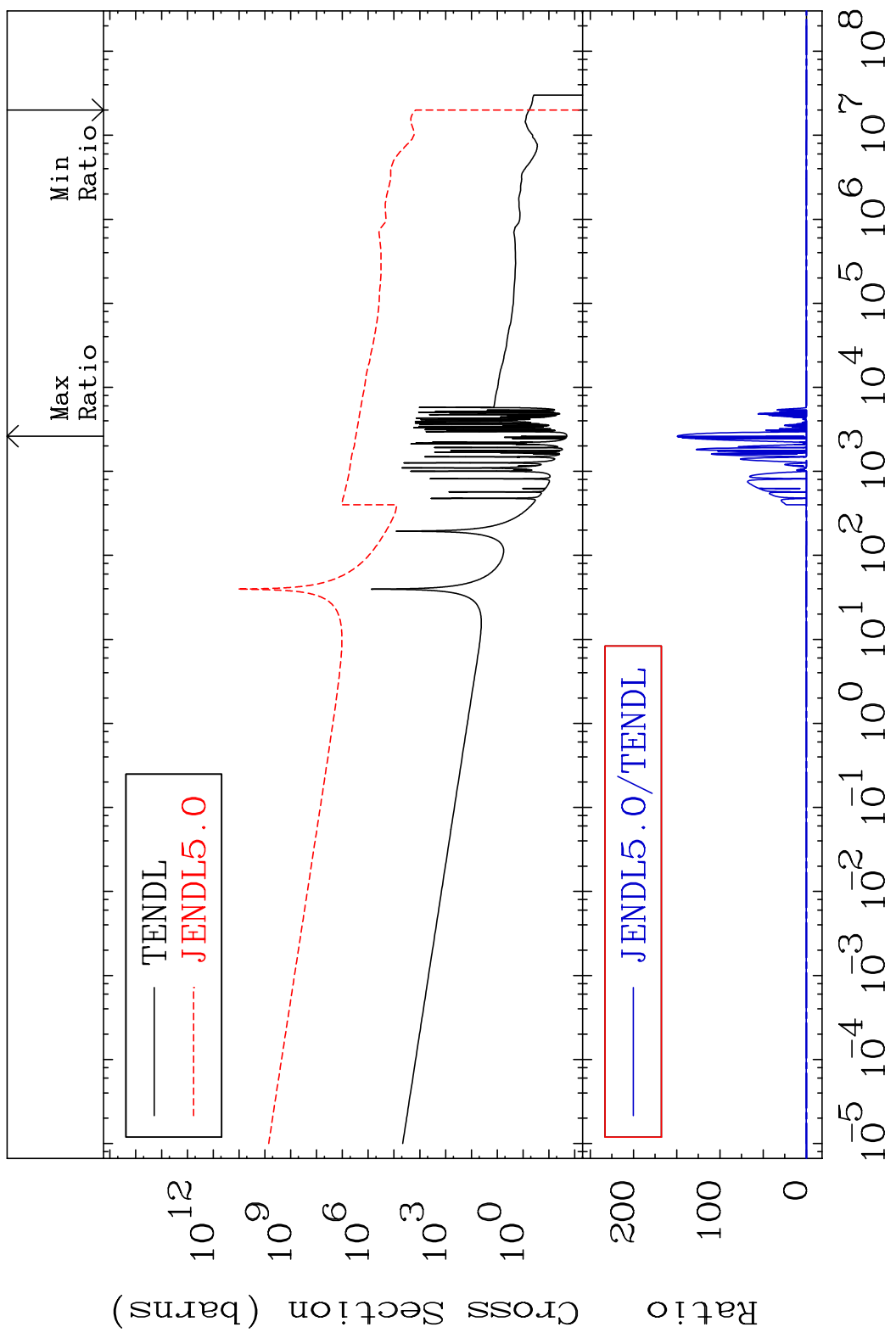


MAT 3637 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-82
 Cross Section -100.0 To 9999. %



MAT 3637

Kerma capture (mt102) 36-Kr-82
Cross Section -100.0 To 9999. %

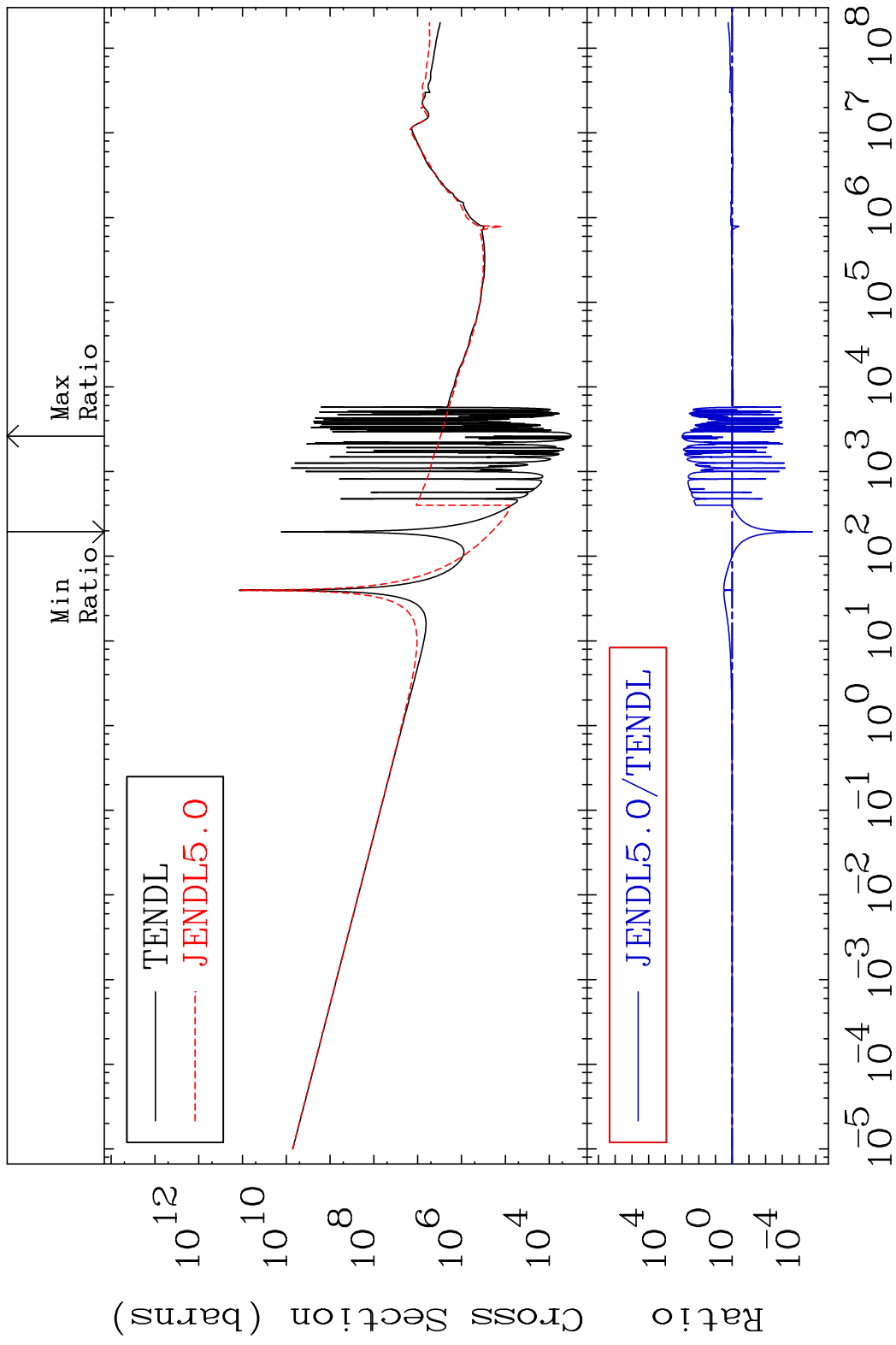


51

Incident Energy (eV)

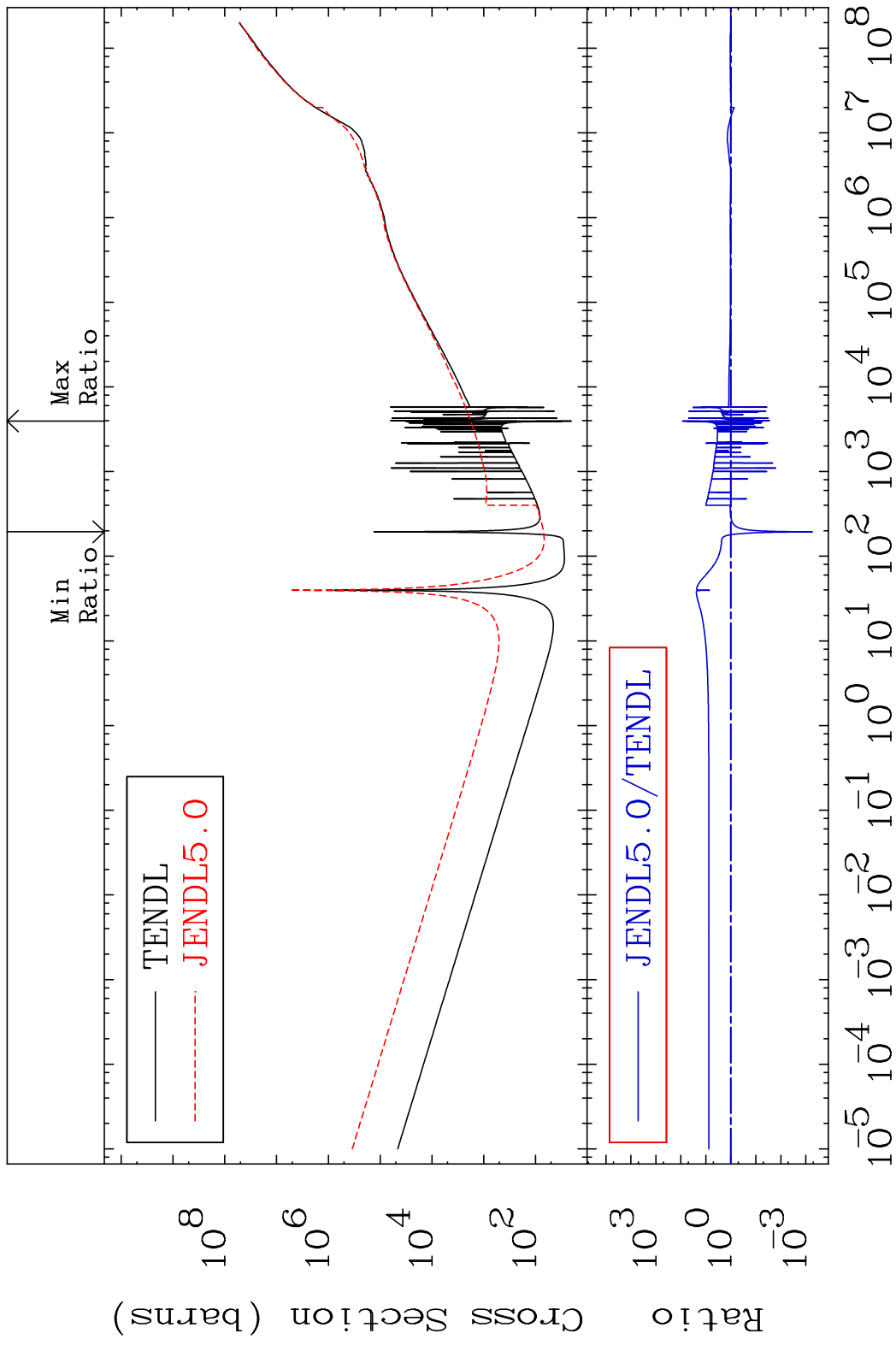
36-Kr-82

MAT 3637 Total photon (eV-barns) 36-Kr-82
 Cross Section -100.0 To 9999. %



52 Incident Energy (eV) 36-Kr-82

MAT 3637 Total kinematic kerma (high limit) 36-Kr-82
 Cross Section -99.95 To 8602. %

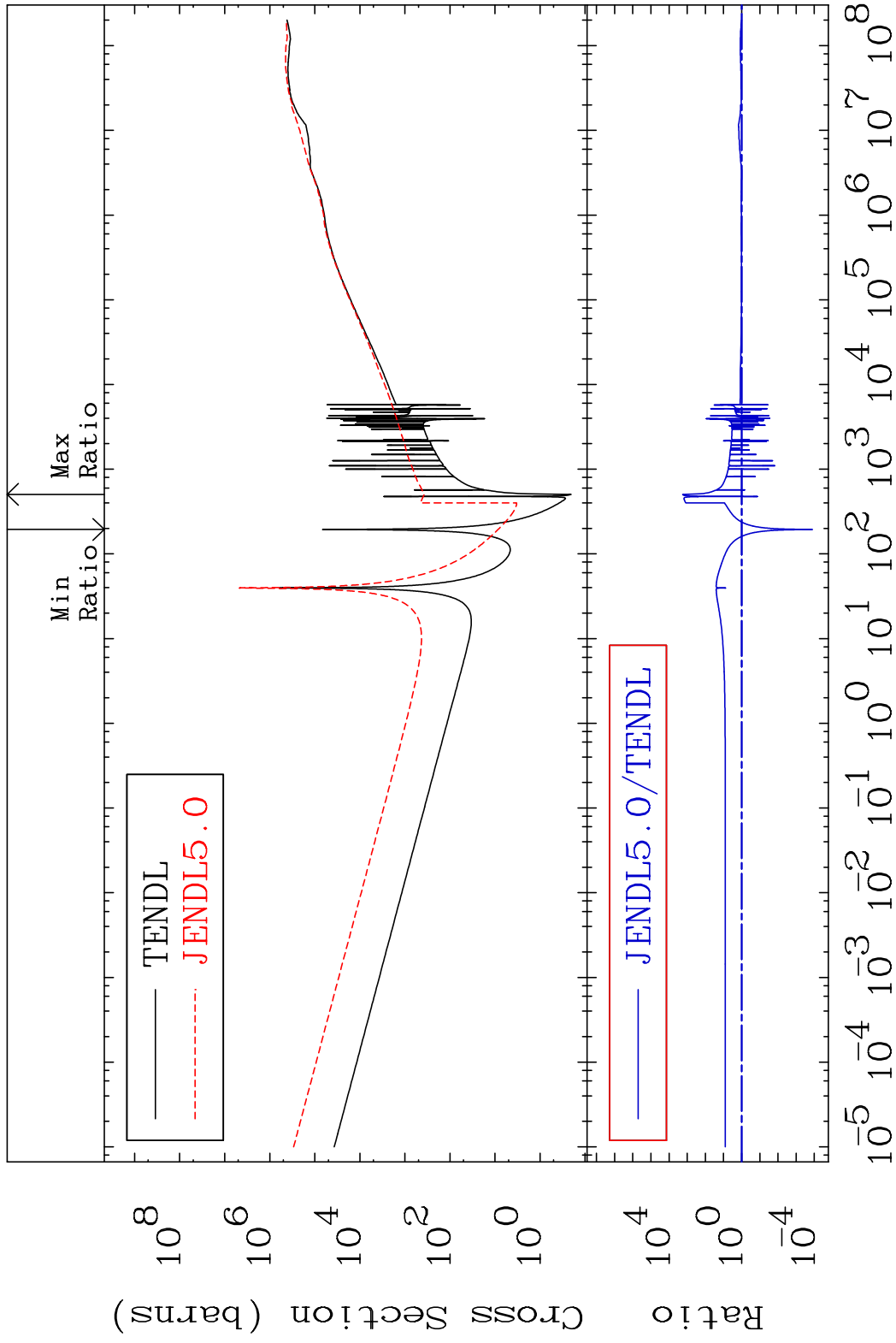


MAT 3637

Dpa total (eV-barns)

36-Kr-82

Cross Section -99.99 To 9999. %



54

Incident Energy (eV)

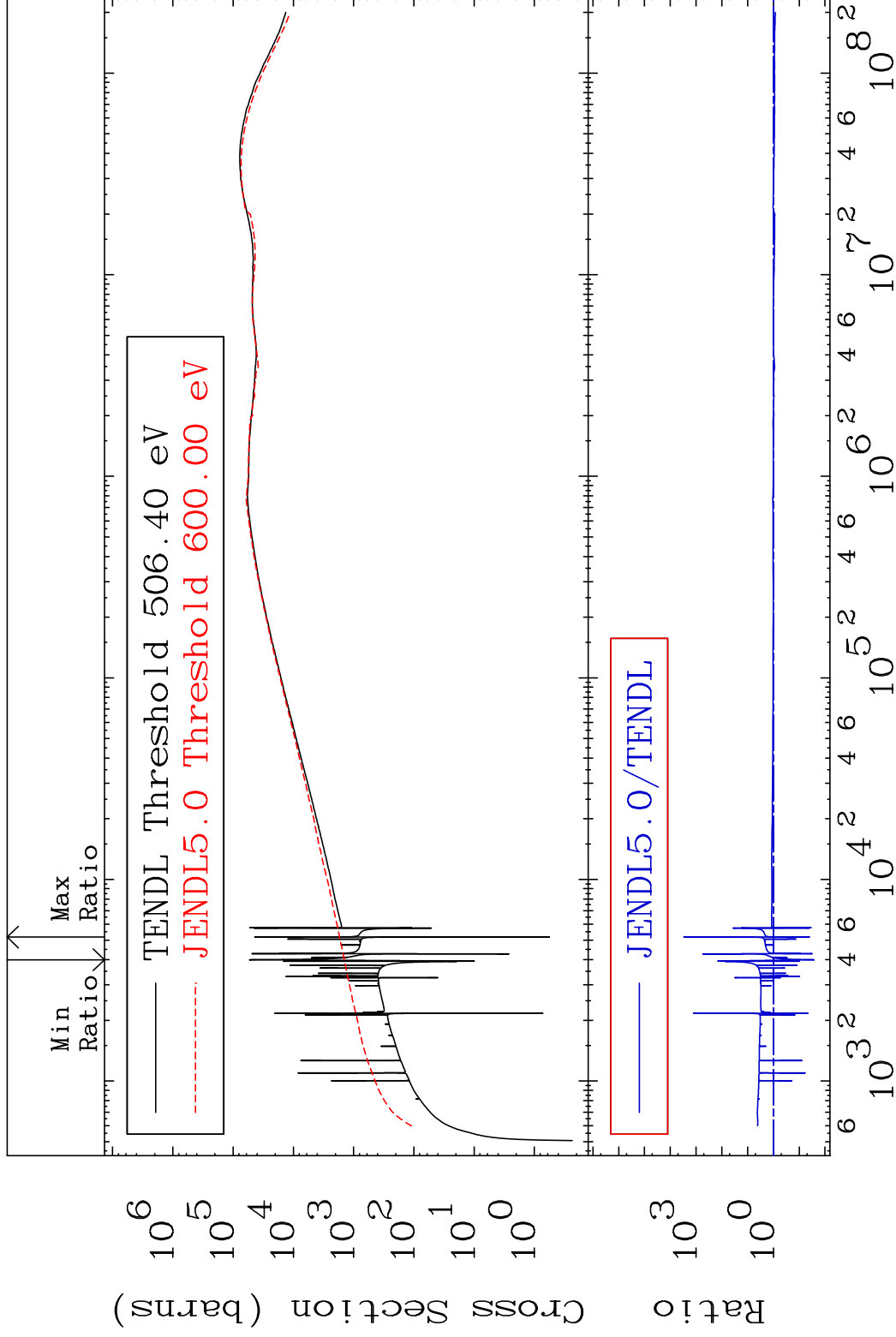
36-Kr-82

MAT 3637

Dpa elastic (mt2)

36-Kr-82

Cross Section -97.35 To 9999. %

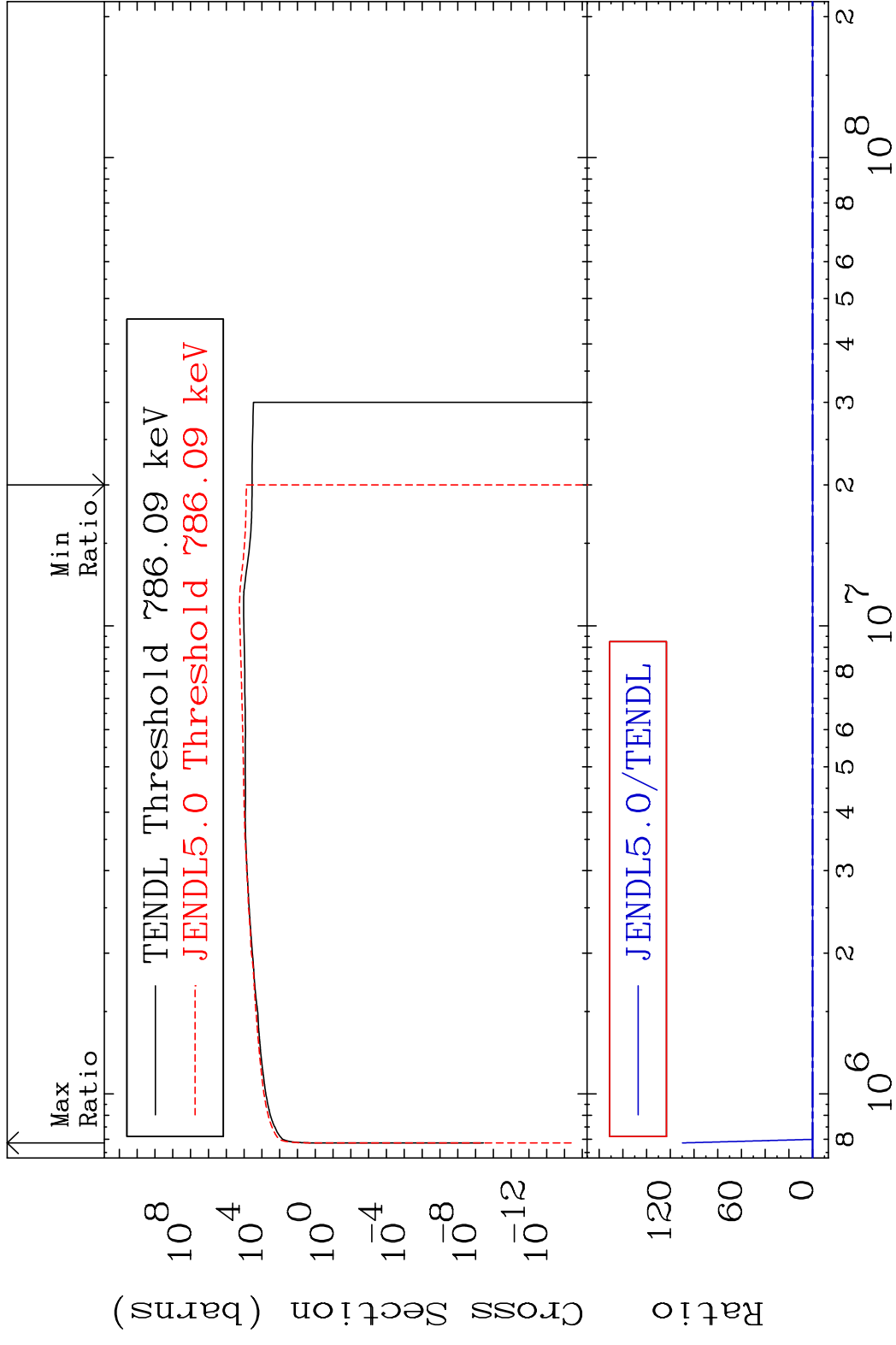


55

Incident Energy (eV)

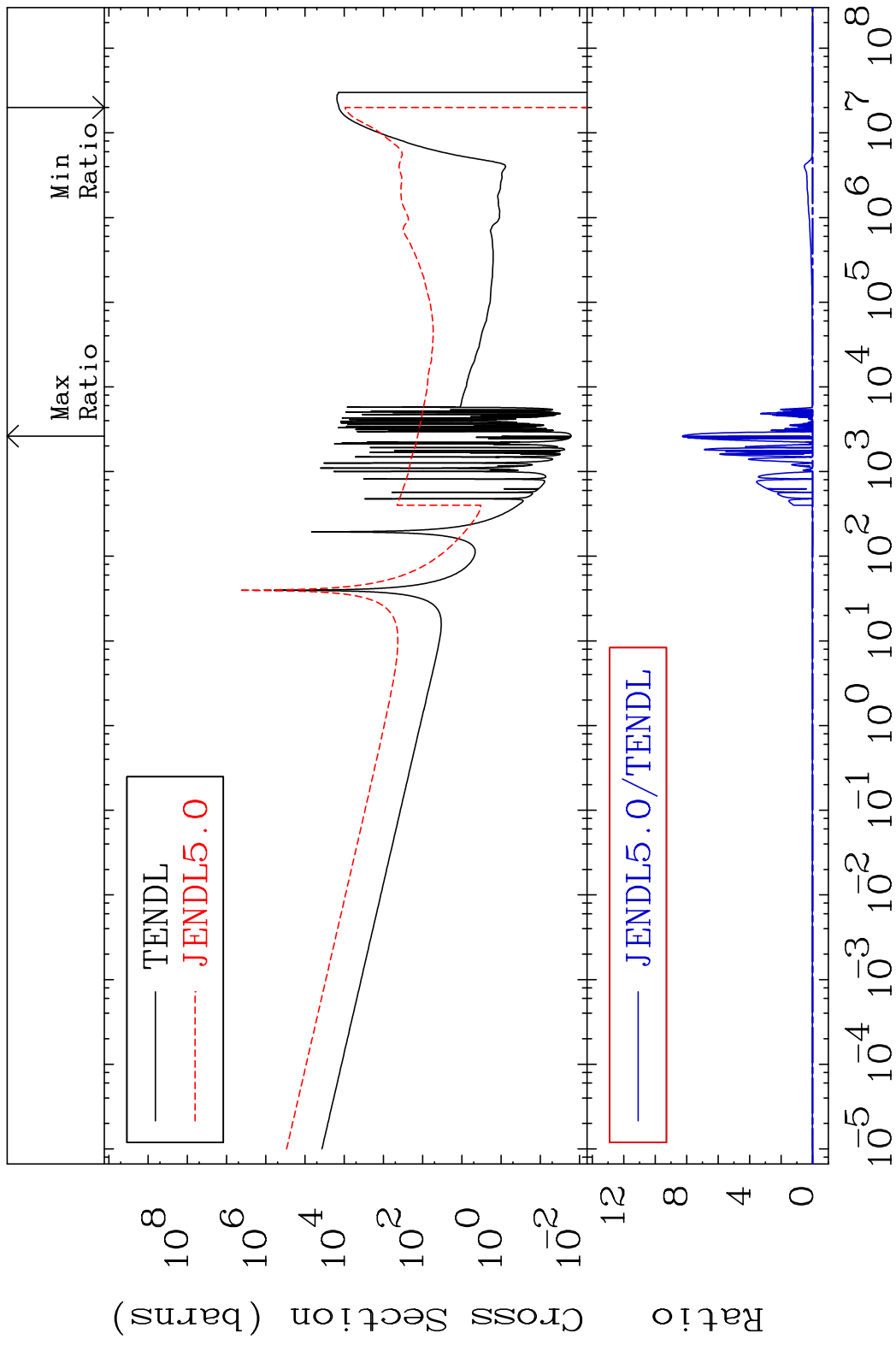
36-Kr-82

MAT 3637 Dpa inelastic (mt51-91) 36-Kr-82
 Cross Section -100.0 To 9999. %



56 Incident Energy (eV) 36-Kr-82

MAT 3637 Dpa disappearance (mt102 -120) 36-Kr-82
 Cross Section -100.0 To 9999. %

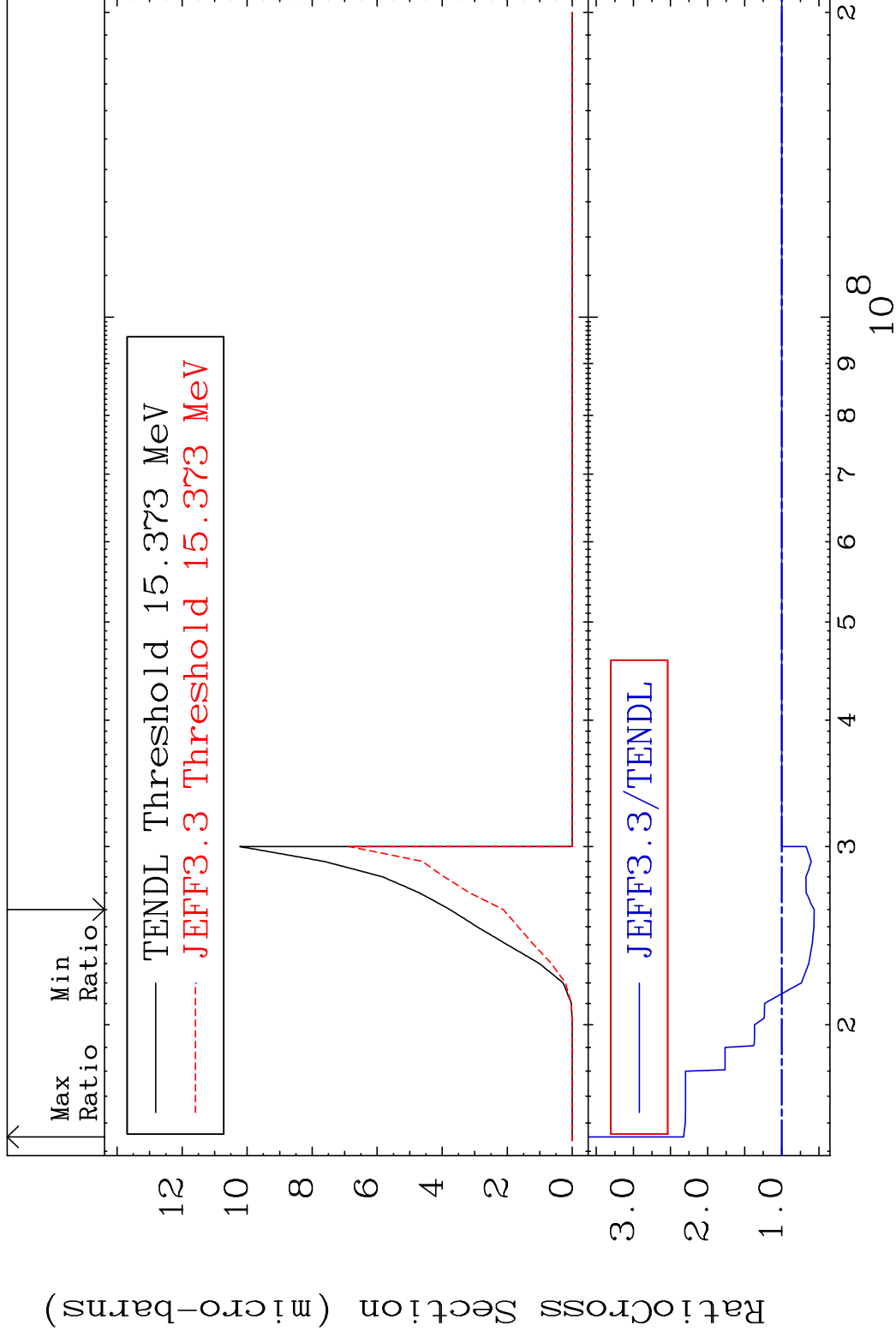


MAT 3637

(n,p) d

36-Kr-82

Cross Section -43.53 To 132.2 %



58

Incident Energy (eV)

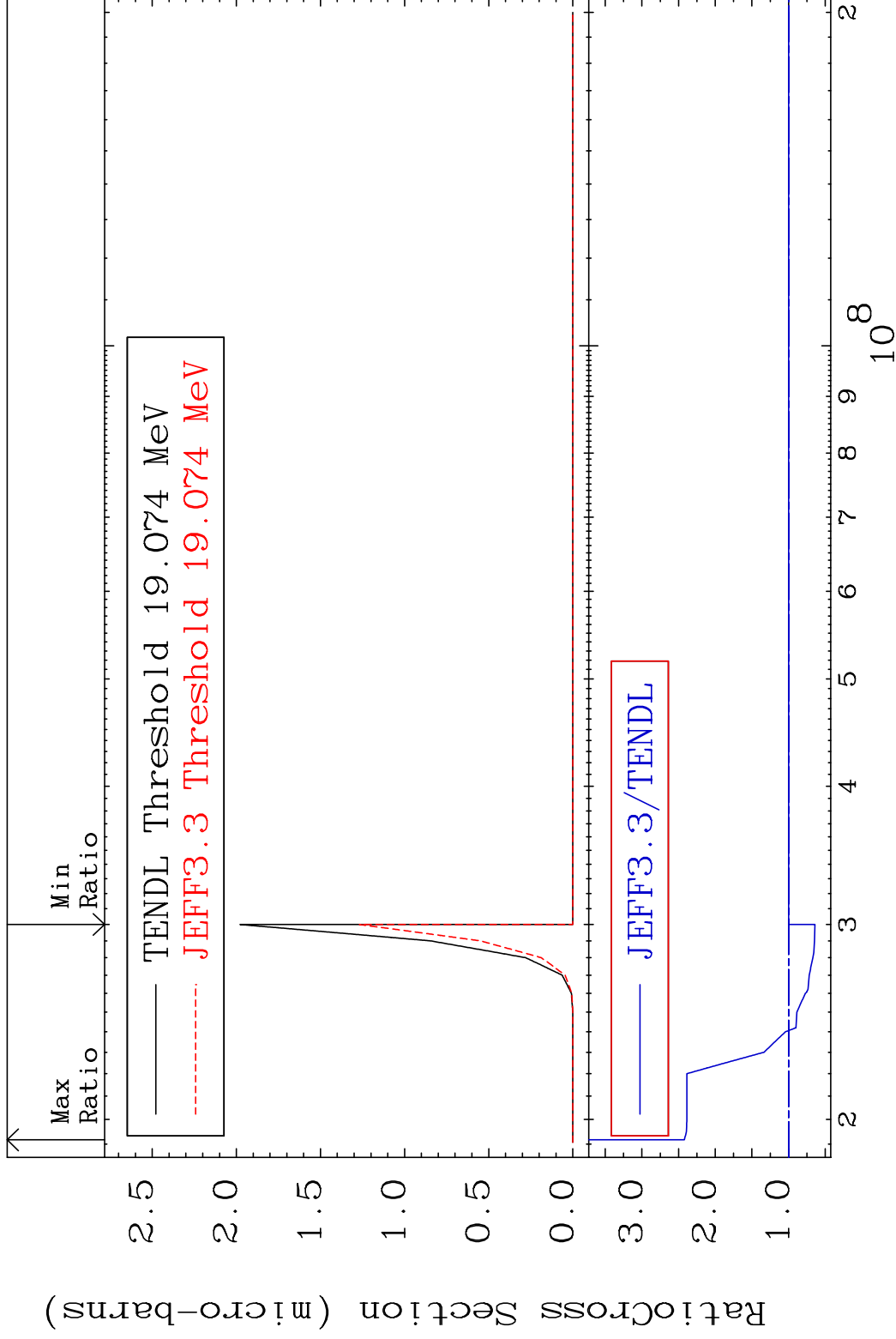
36-Kr-82

MAT 3637

(n,p) t

36-Kr-82

Cross Section -35.86 To 142.2 %



59

Incident Energy (eV)

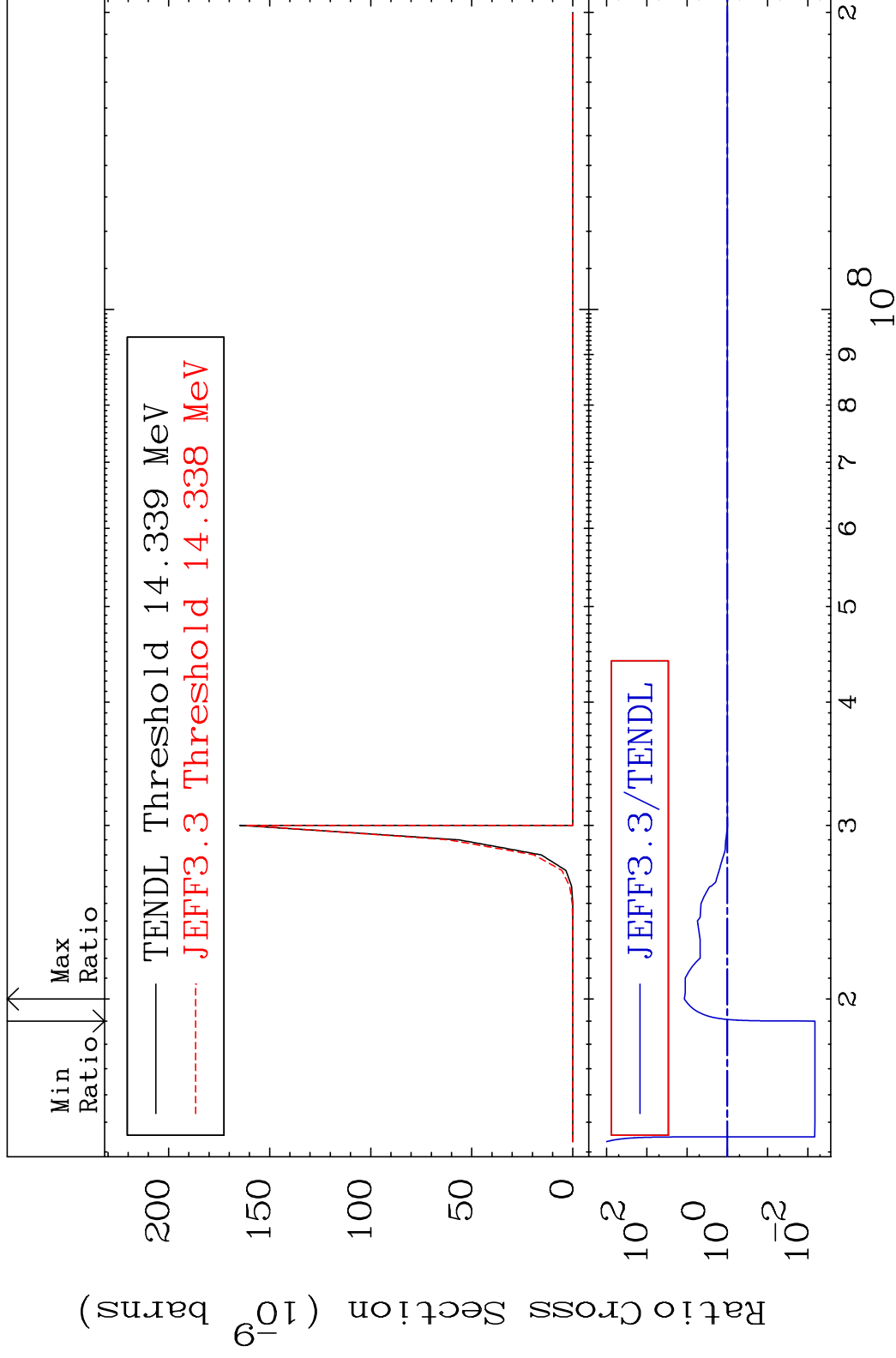
36-Kr-82

MAT 3637

(n,d) α

36-Kr-82

Cross Section -99.33 To 1072. %



60

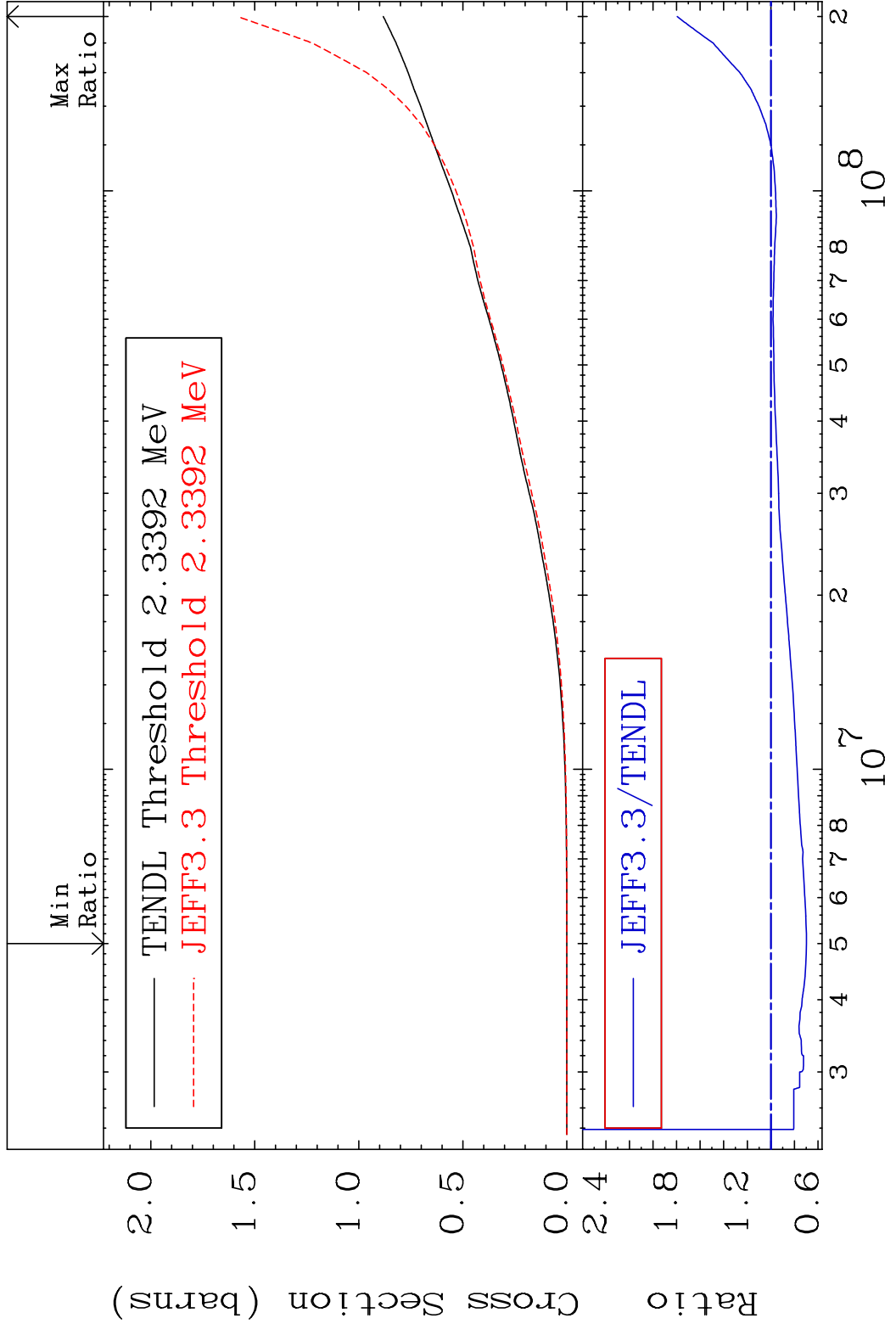
Incident Energy (eV)

36-Kr-82

MAT 3637

Hydrogen Production
Cross Section -30.17 To 79.48 %

36-Kr-82



61

Incident Energy (eV)

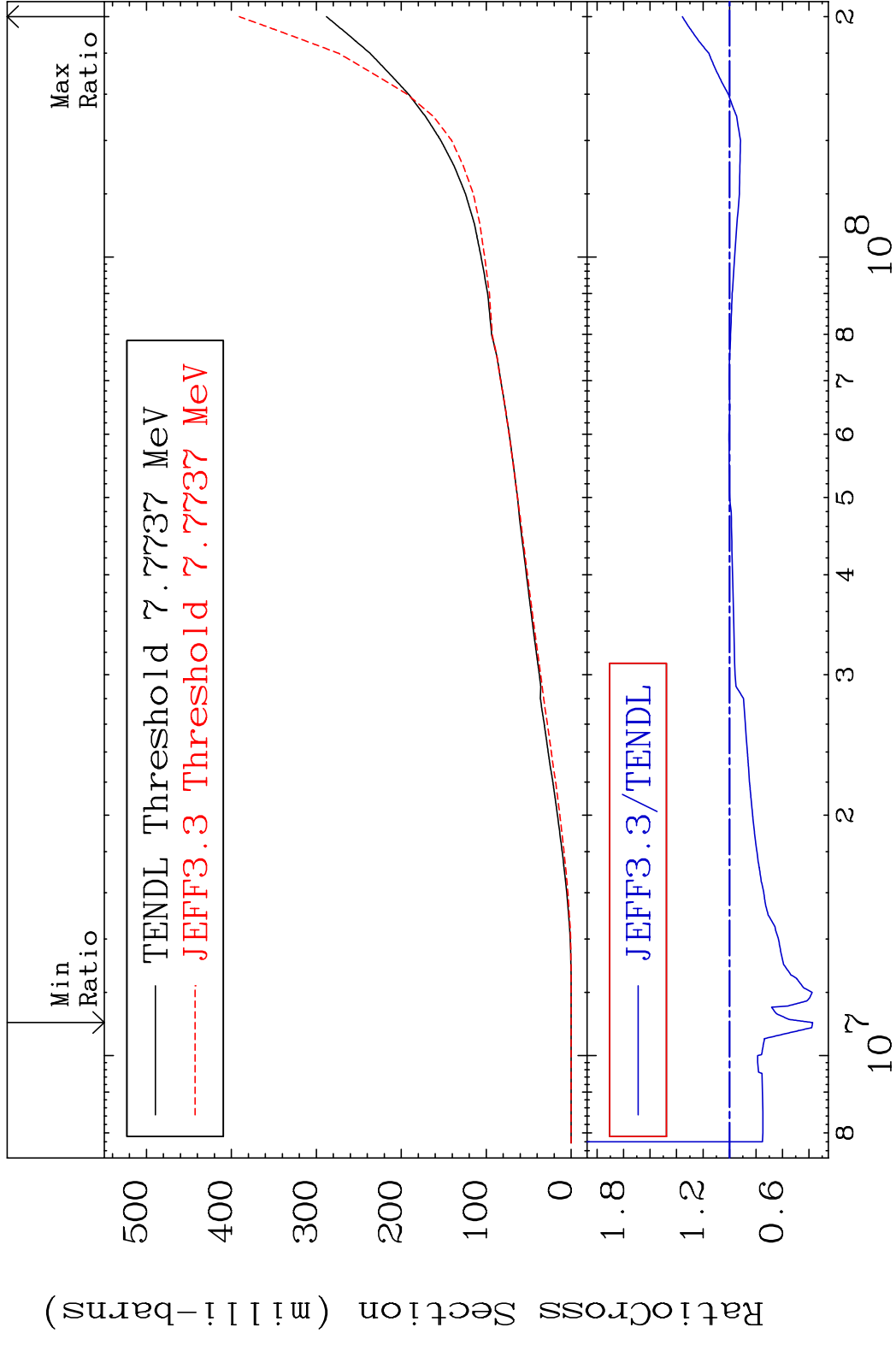
36-Kr-82

MAT 3637

Deuterium Production

³⁶Kr-82

Cross Section -62.75 To 35.63 %



62

Incident Energy (eV)

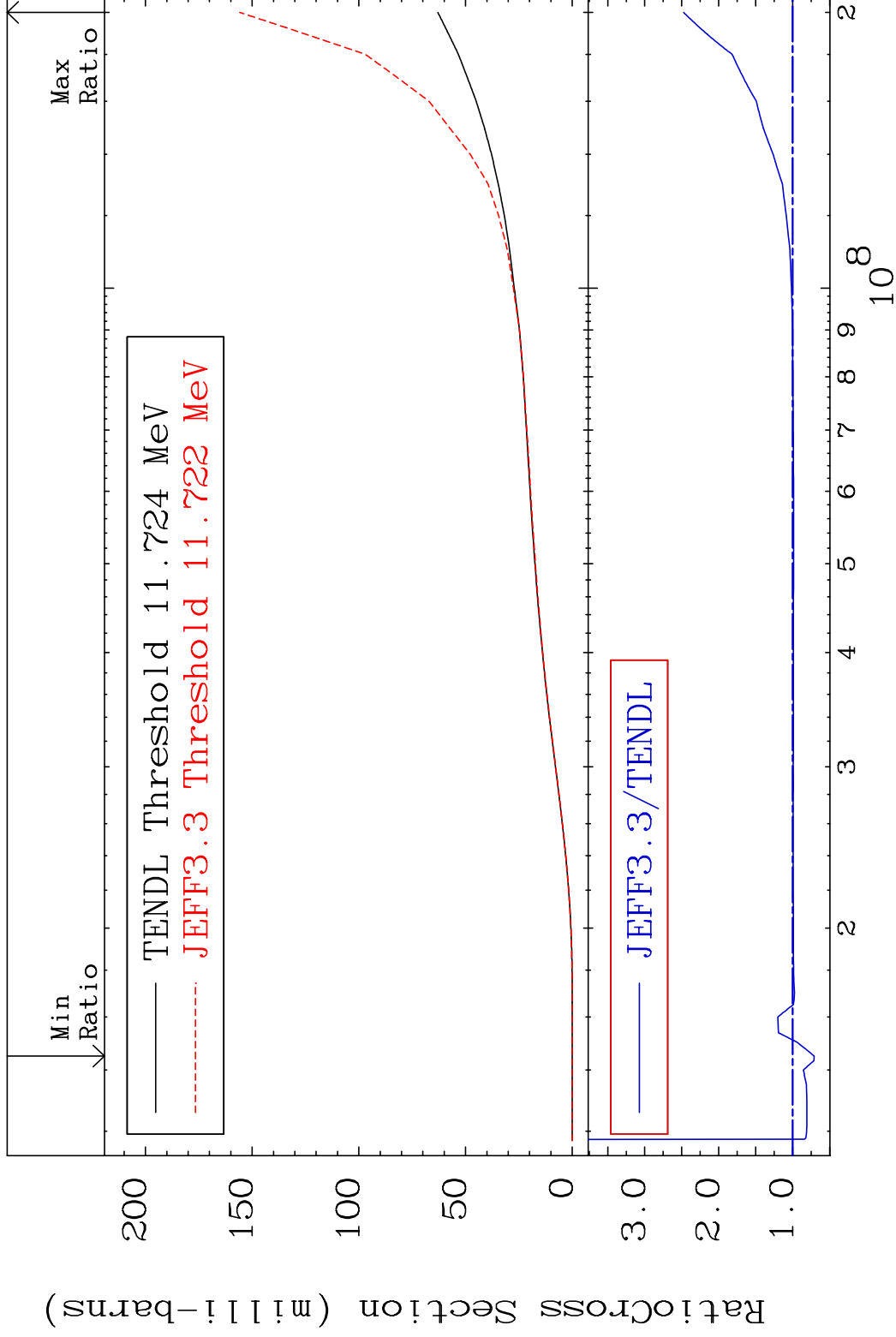
³⁶Kr-82

MAT 3637

Tritium Production

36-Kr-82

Cross Section -29.05 To 147.4 %



63

Incident Energy (eV)

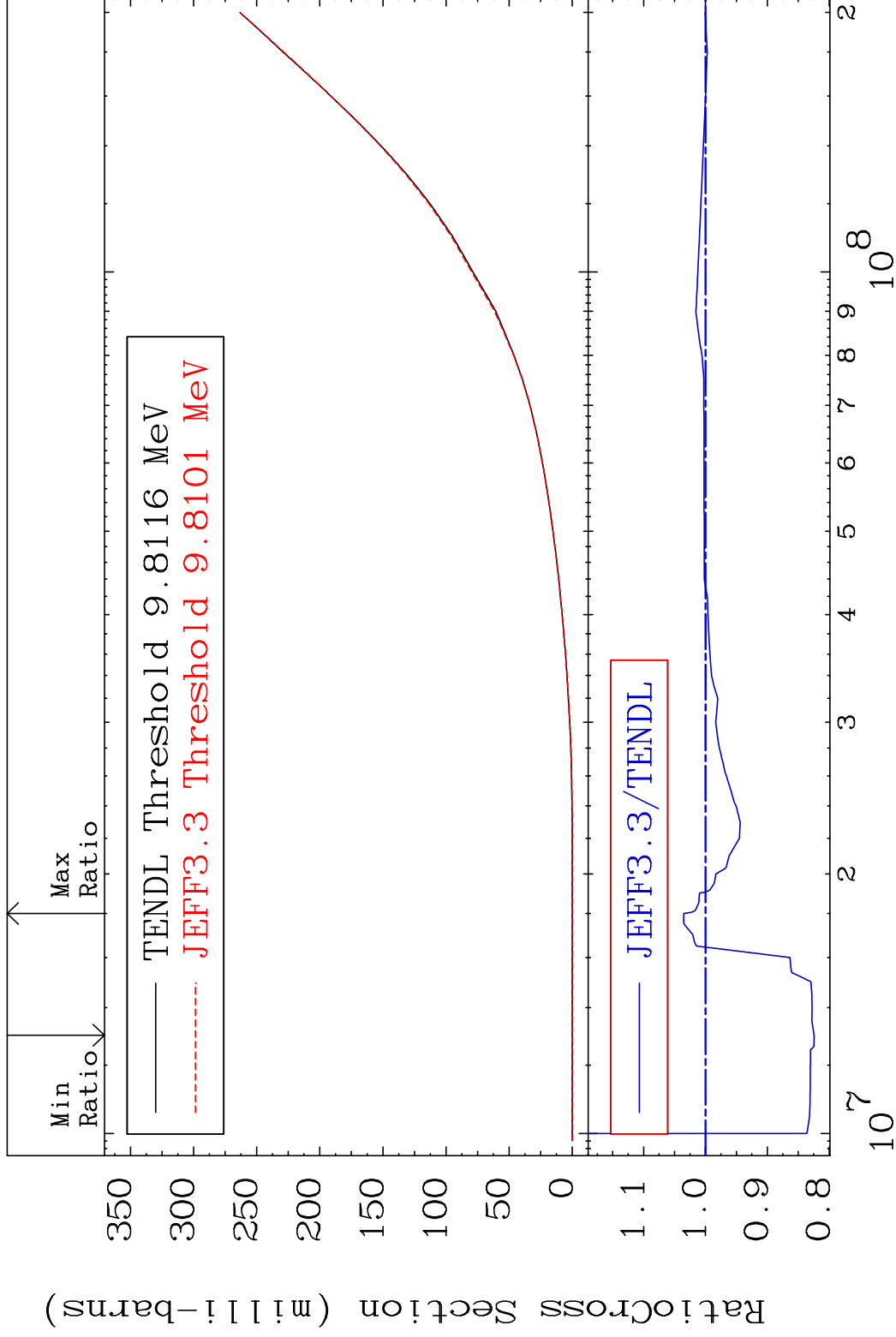
36-Kr-82

MAT 3637

He-3 Production

36-Kr-82

Cross Section -17.57 To 3.528 %



64

Incident Energy (eV)

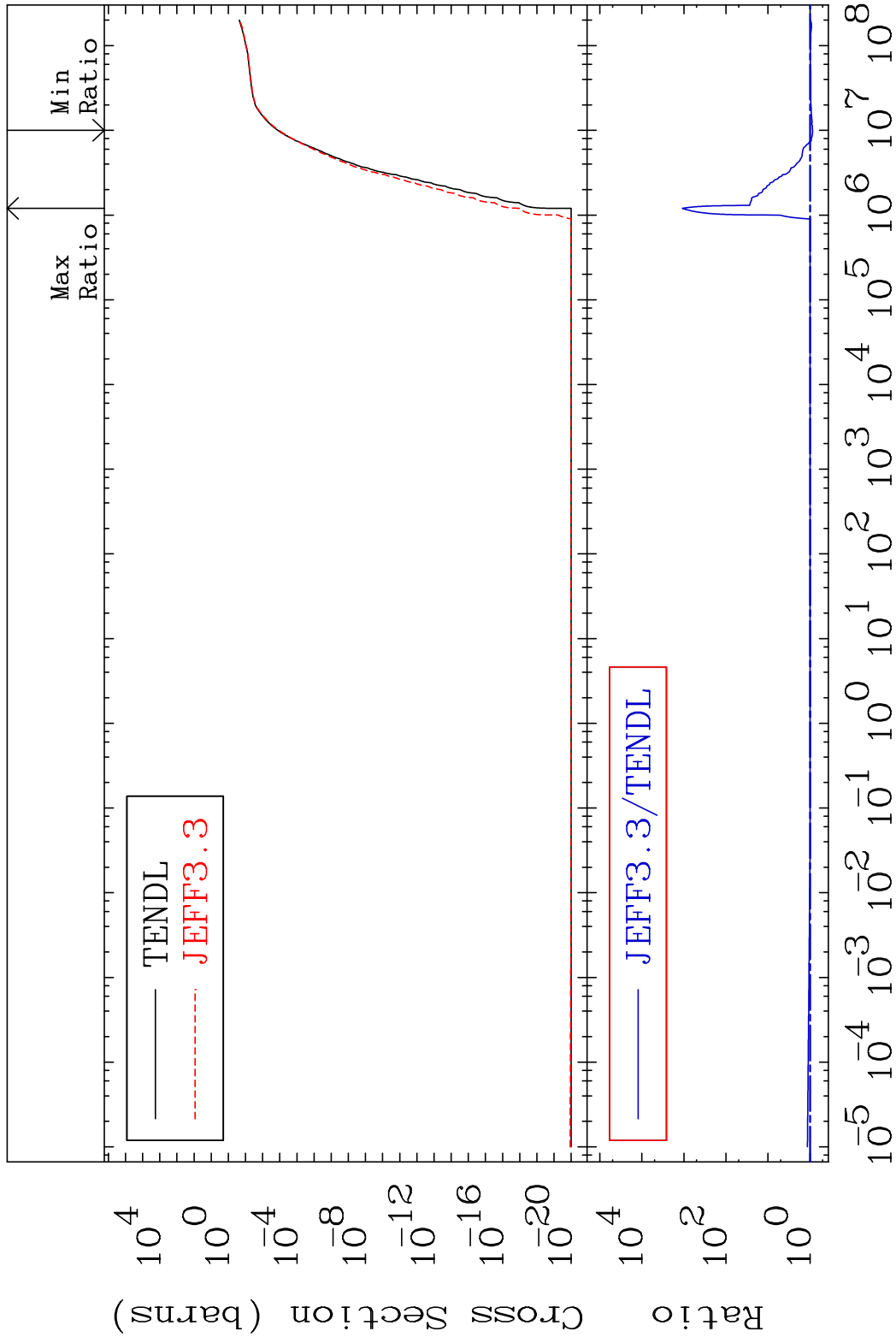
36-Kr-82

MAT 3637

He-4 Production

36-Kr-82

Cross Section -12.99 To 9999. %



65

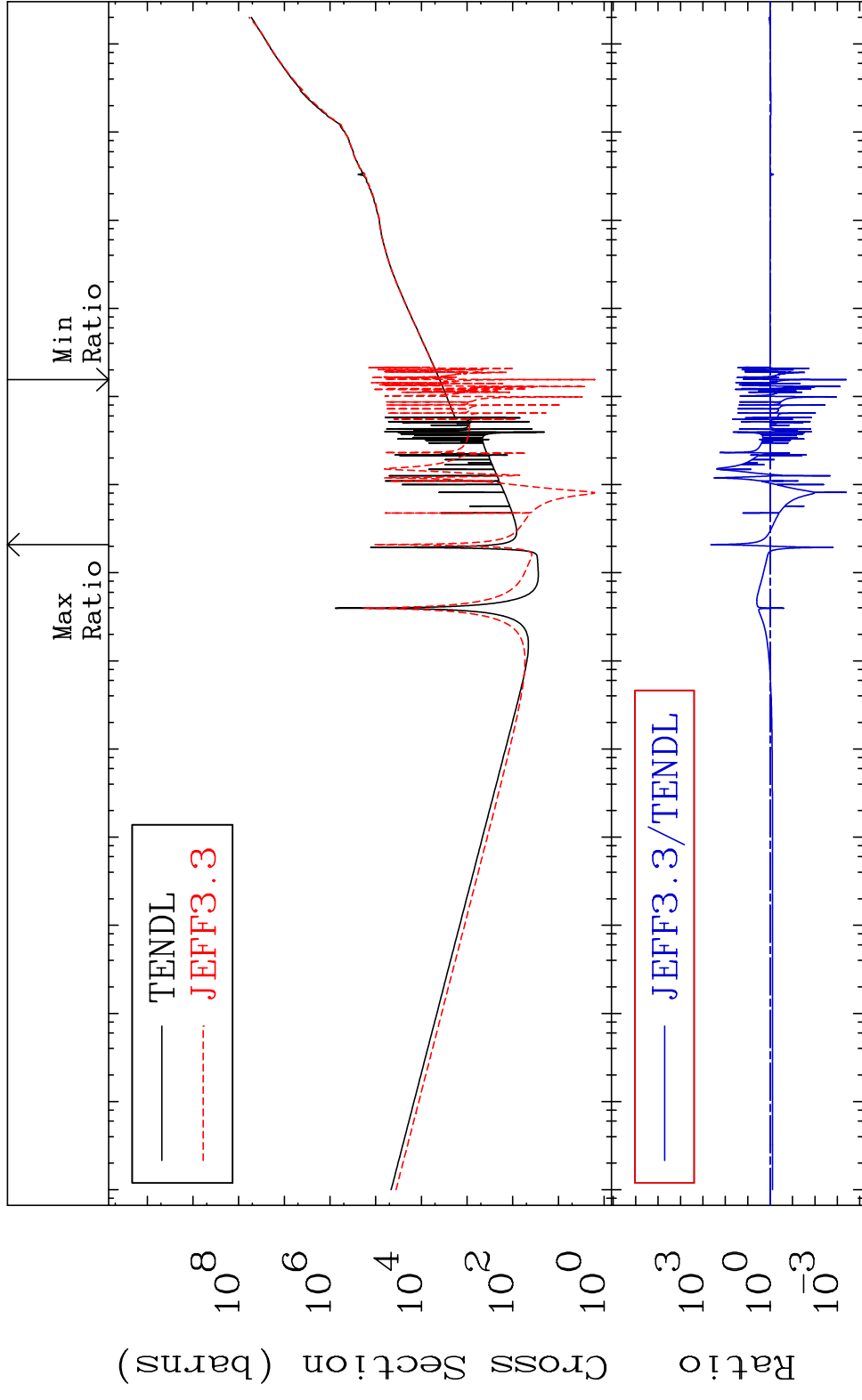
Incident Energy (eV)

36-Kr-82

MAT 3637

Kerma total (eV-barns) 36-Kr-82

Cross Section -99.96 To 9999. %

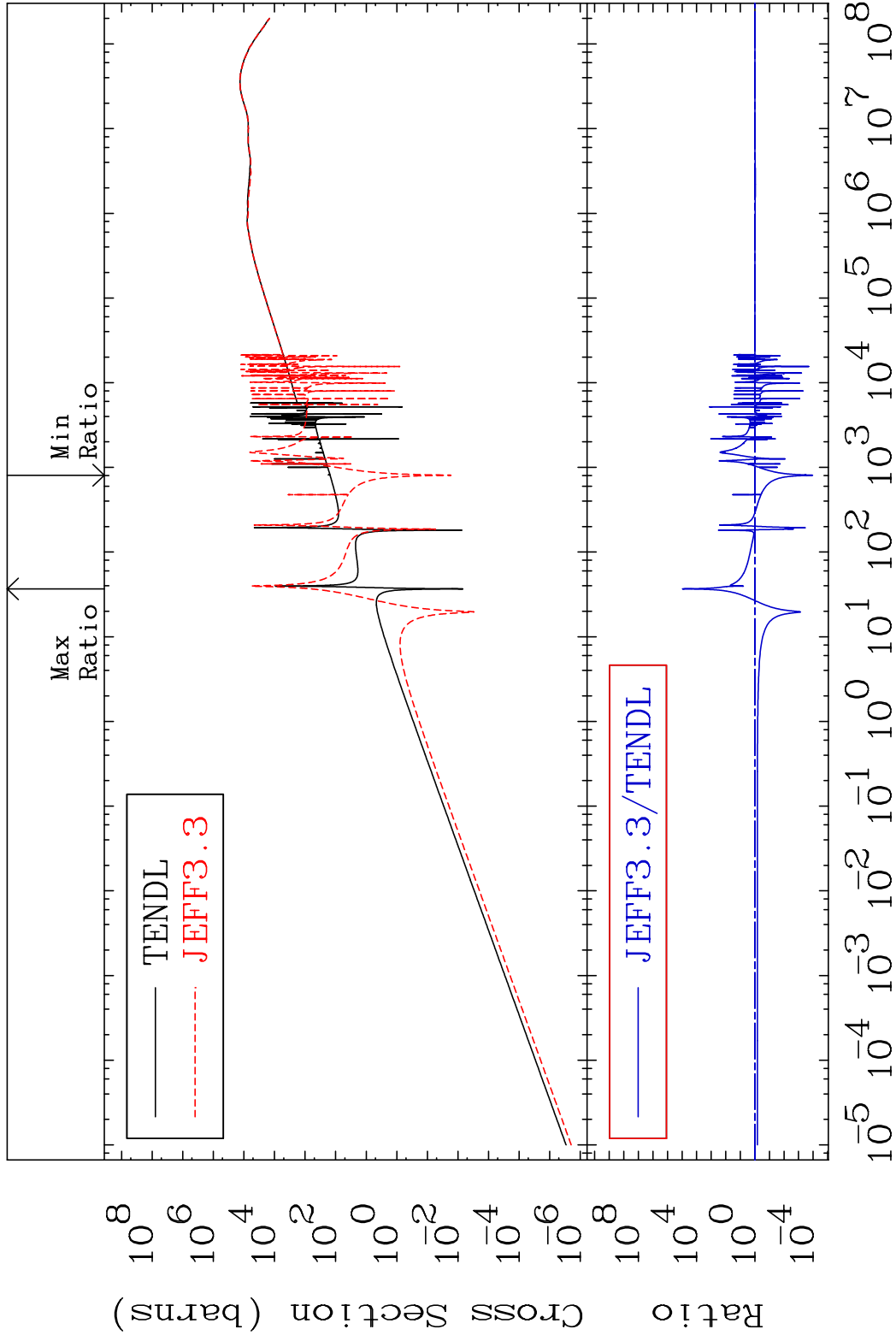


MAT 3637

Kerma elastic

36-Kr-82

Cross Section -99.99 To 9999. %

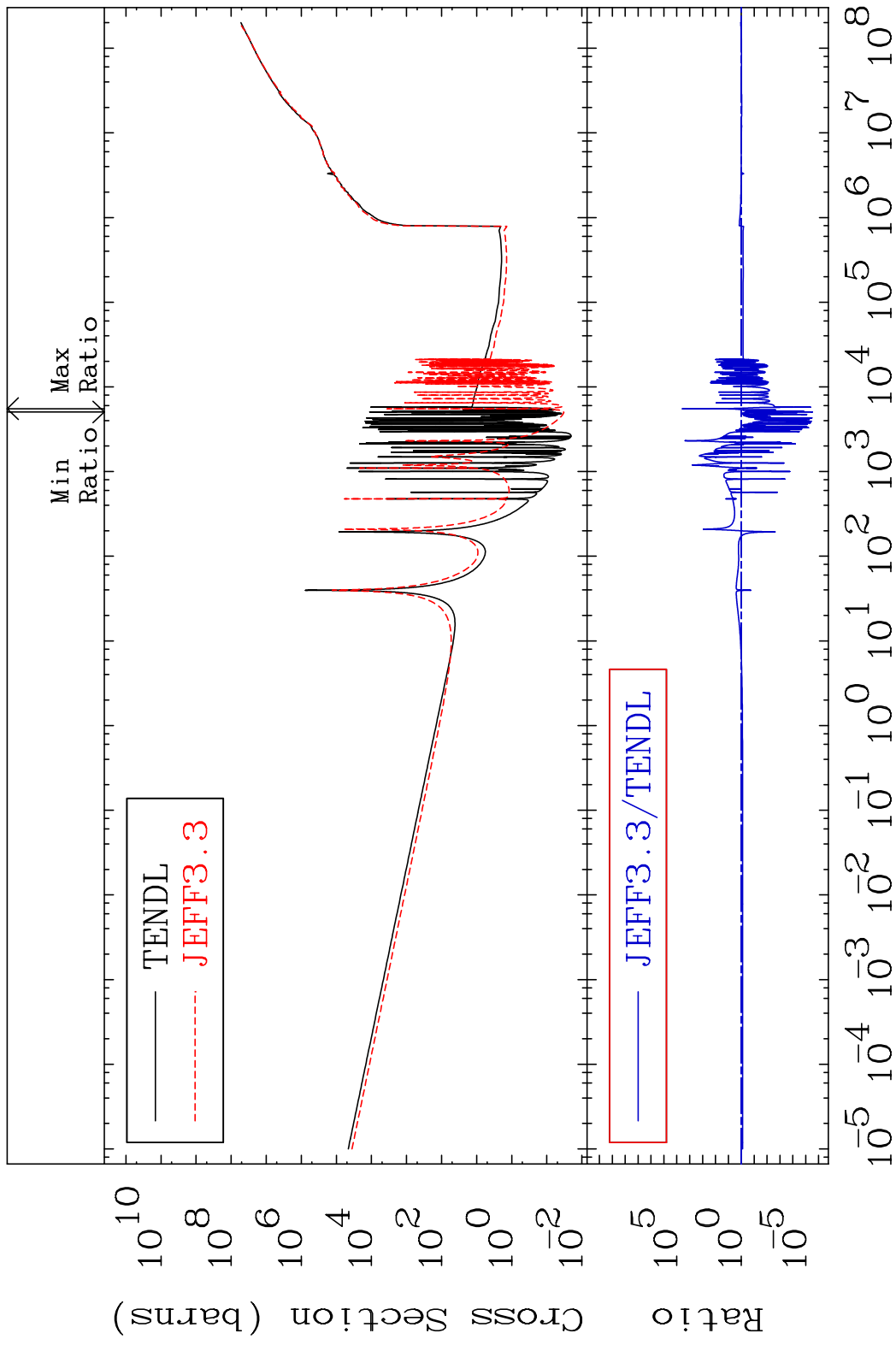


67

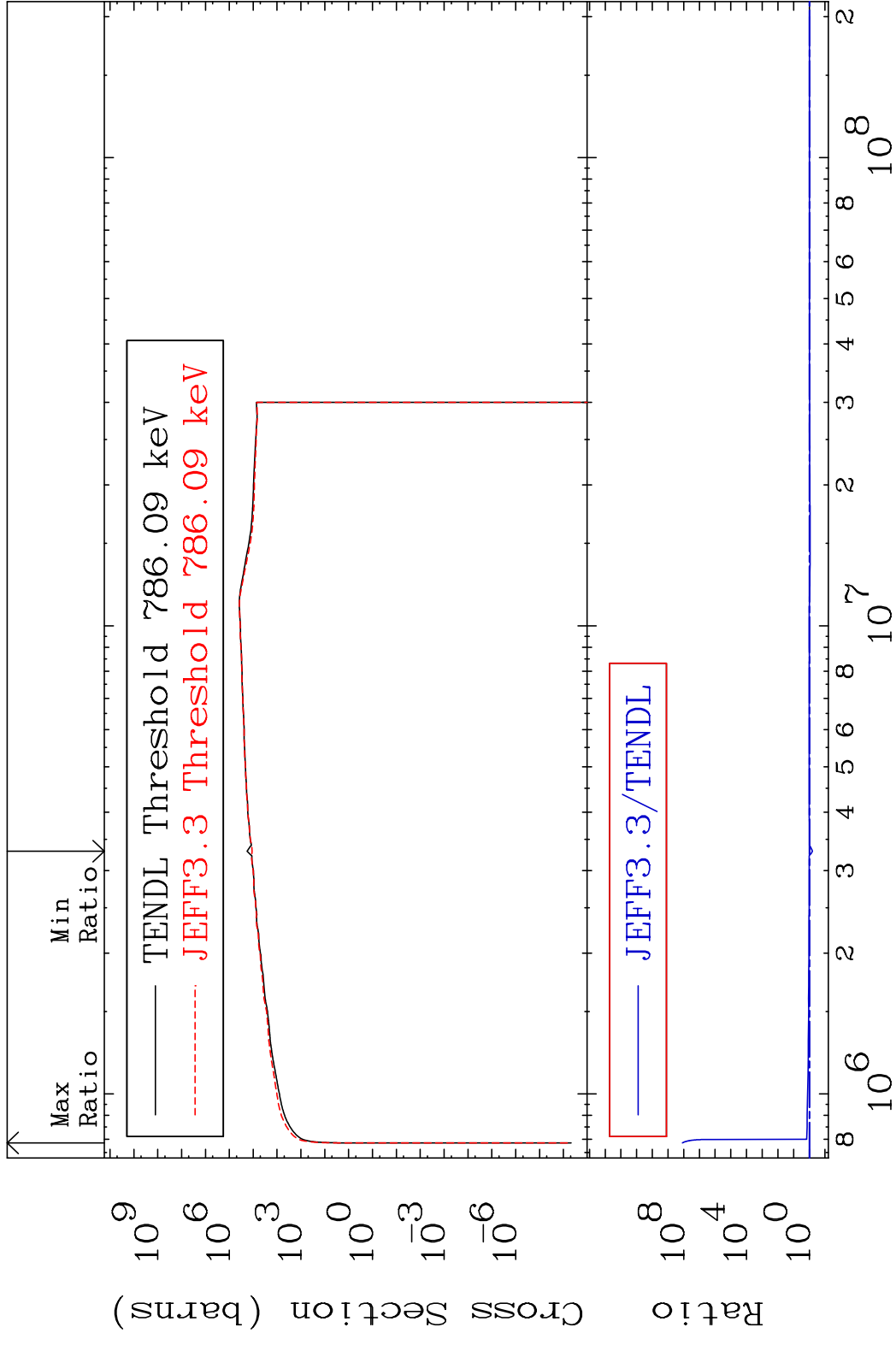
Incident Energy (eV)

36-Kr-82

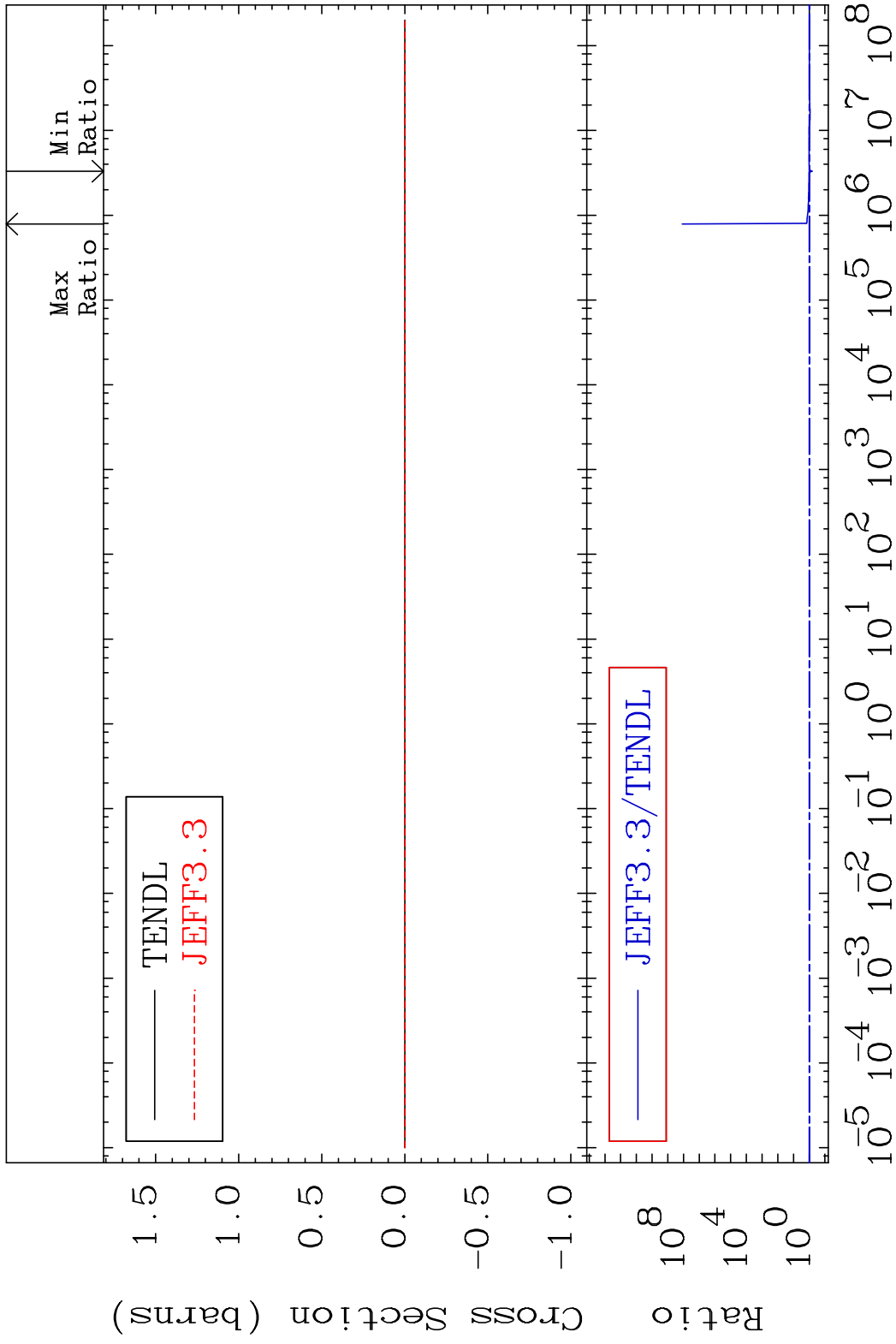
MAT 3637 Kerma non-elastic (all but mt2) 36-Kr-82
 Cross Section -100.0 To 9999. %



MAT 3637 Kerma inelastic (mt51-91) 36-Kr-82
 Cross Section -37.89 To 9999. %



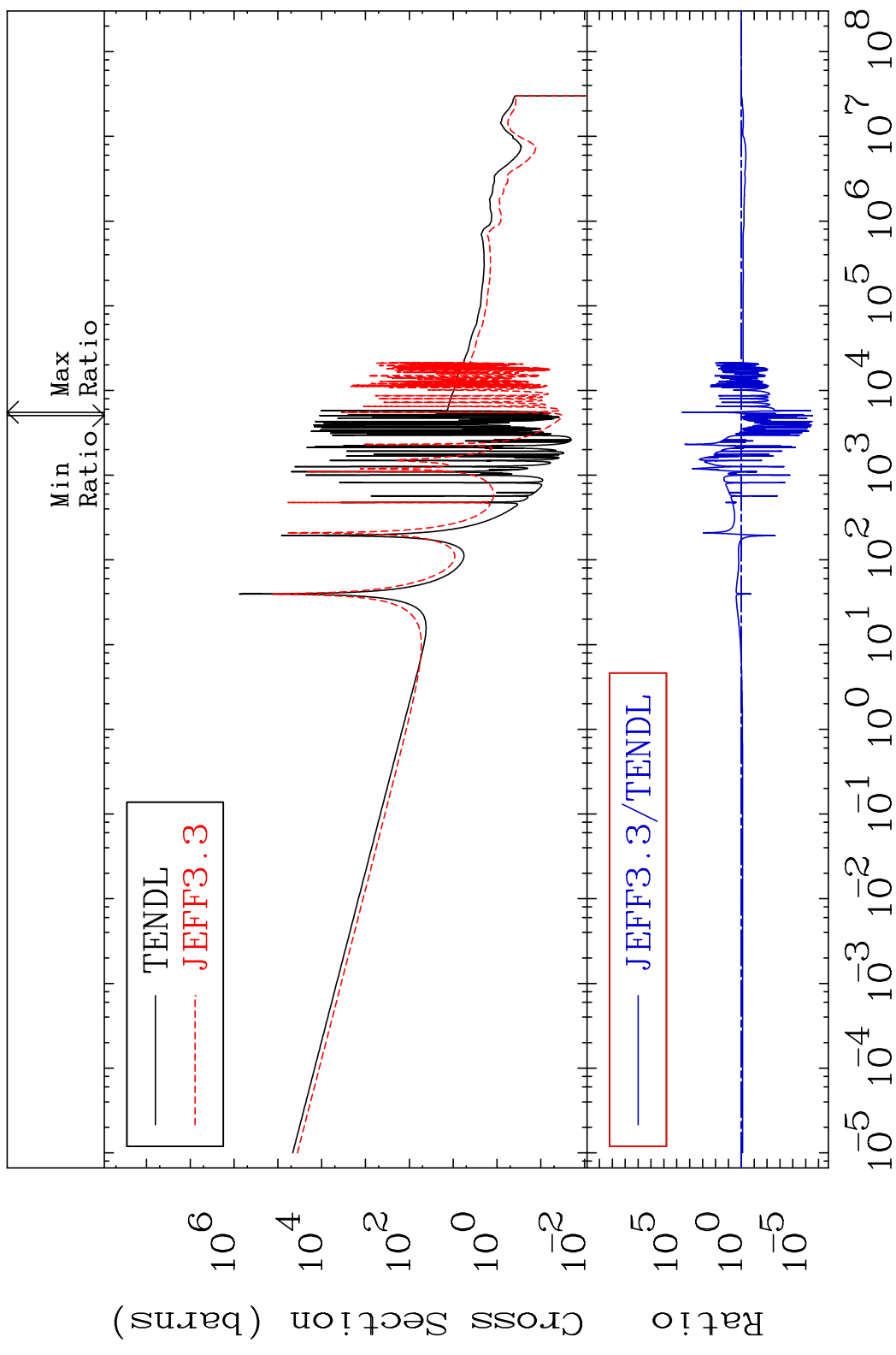
MAT 3637 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-82
 Cross Section -37.89 To 9999. %



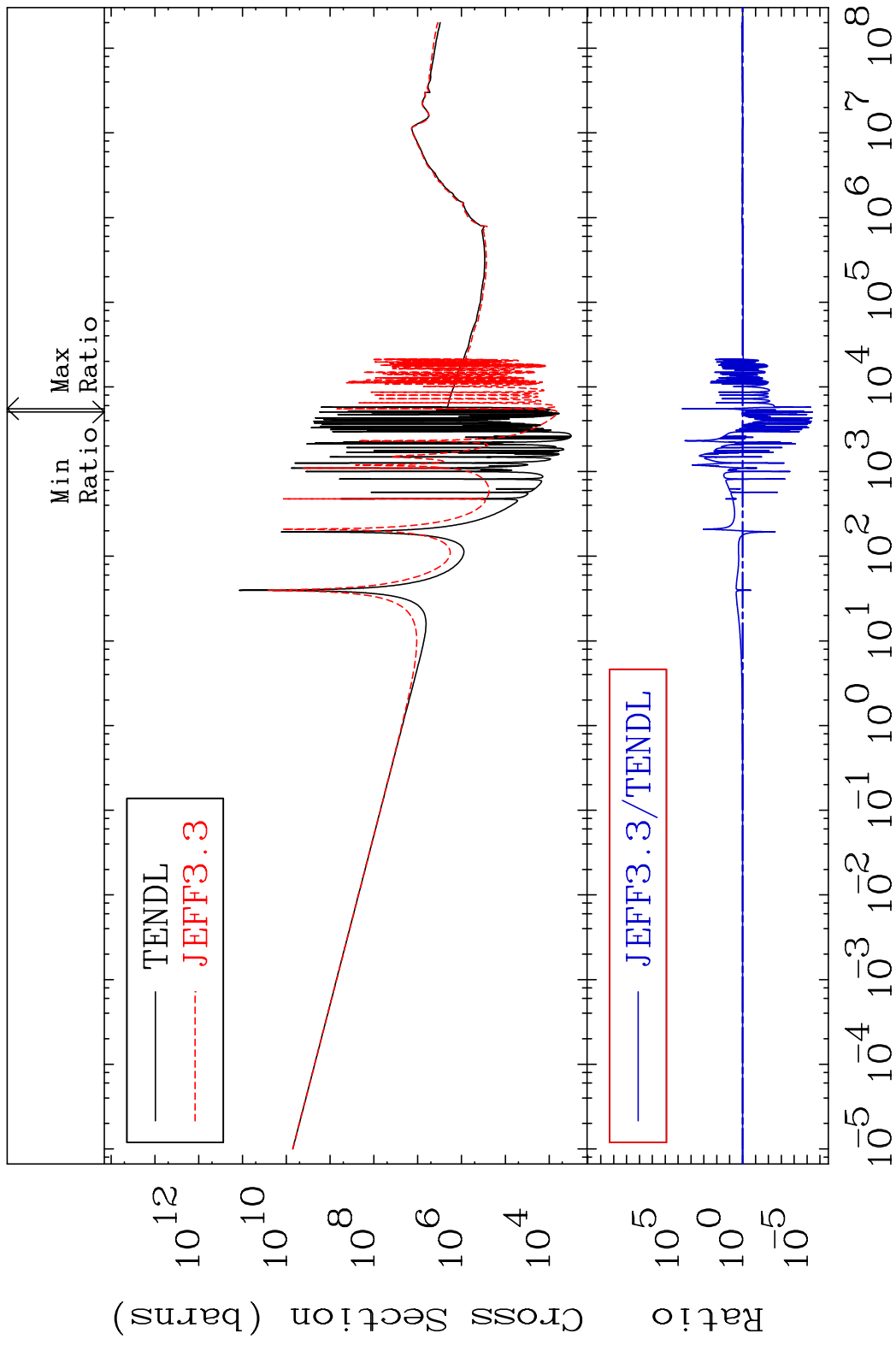
MAT 3637

Kerma capture (mt102) 36-Kr-82

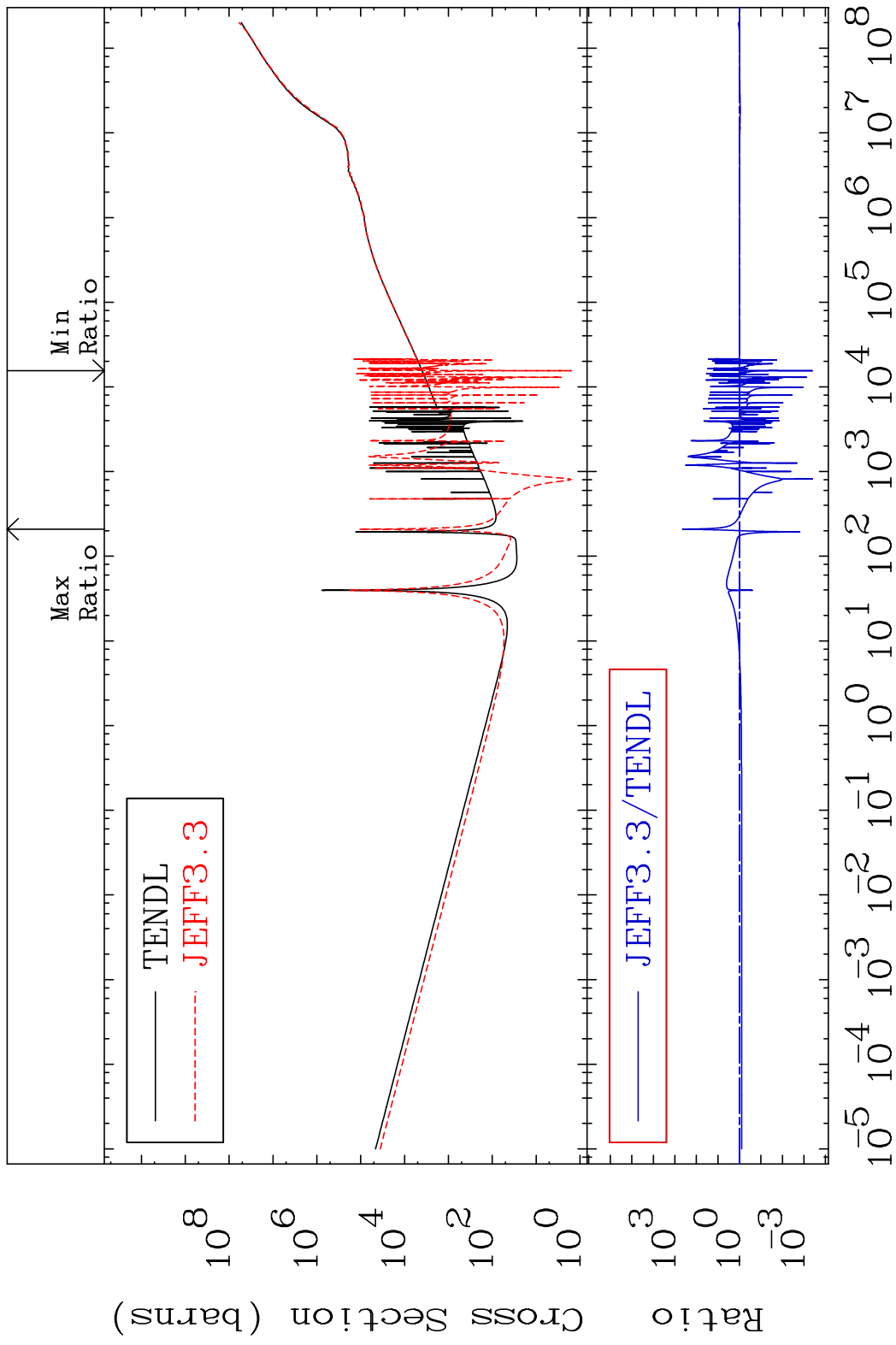
Cross Section -100.0 To 9999. %



MAT 3637 Total photon (eV-barns) 36-Kr-82
 Cross Section -100.0 To 9999. %



MAT 3637 Total kinematic kerma (high limit) 36-Kr-82
 Cross Section -99.96 To 9999. %

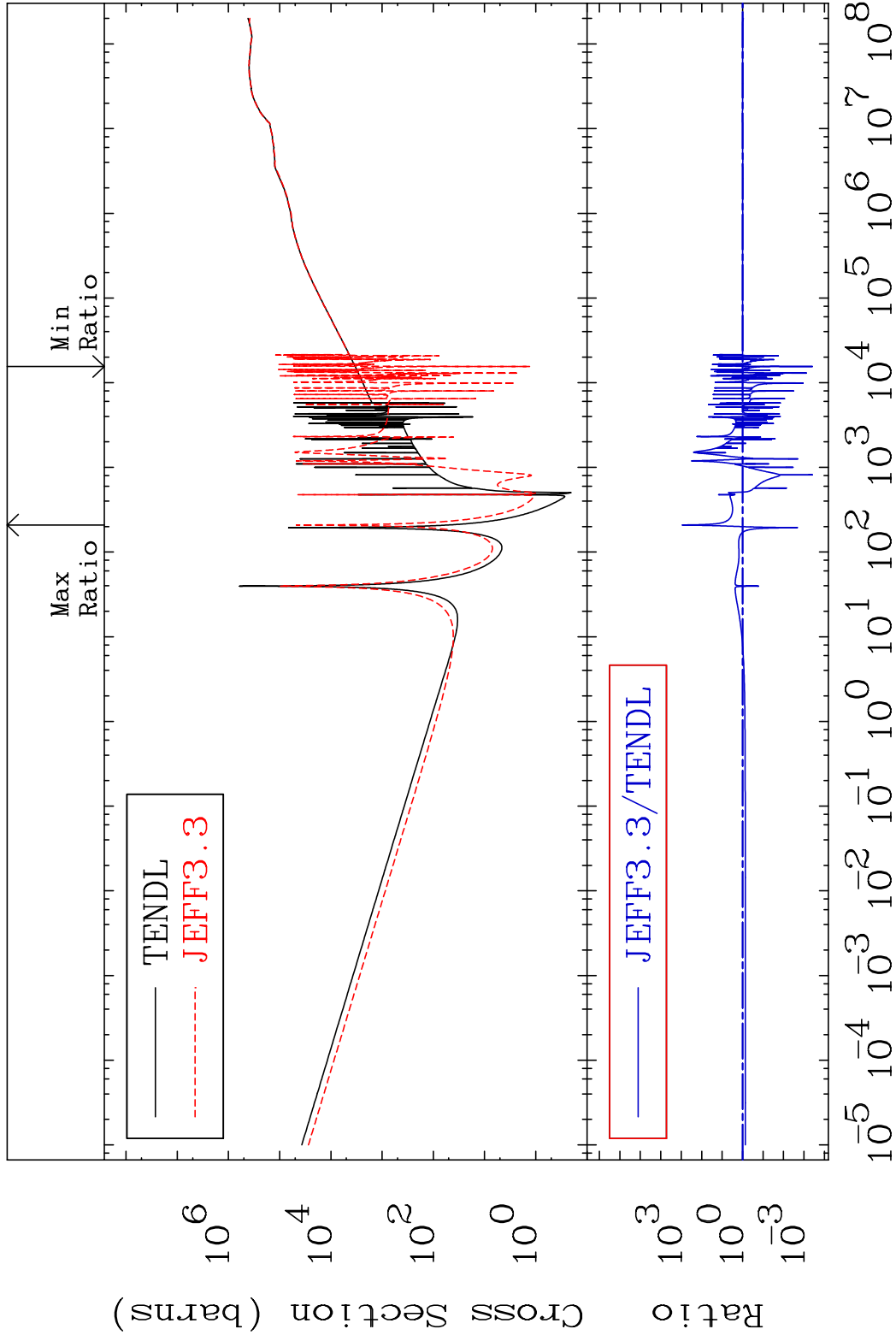


MAT 3637

Dpa total (eV-barns)

36-Kr-82

Cross Section -99.96 To 9999. %



74

Incident Energy (eV)

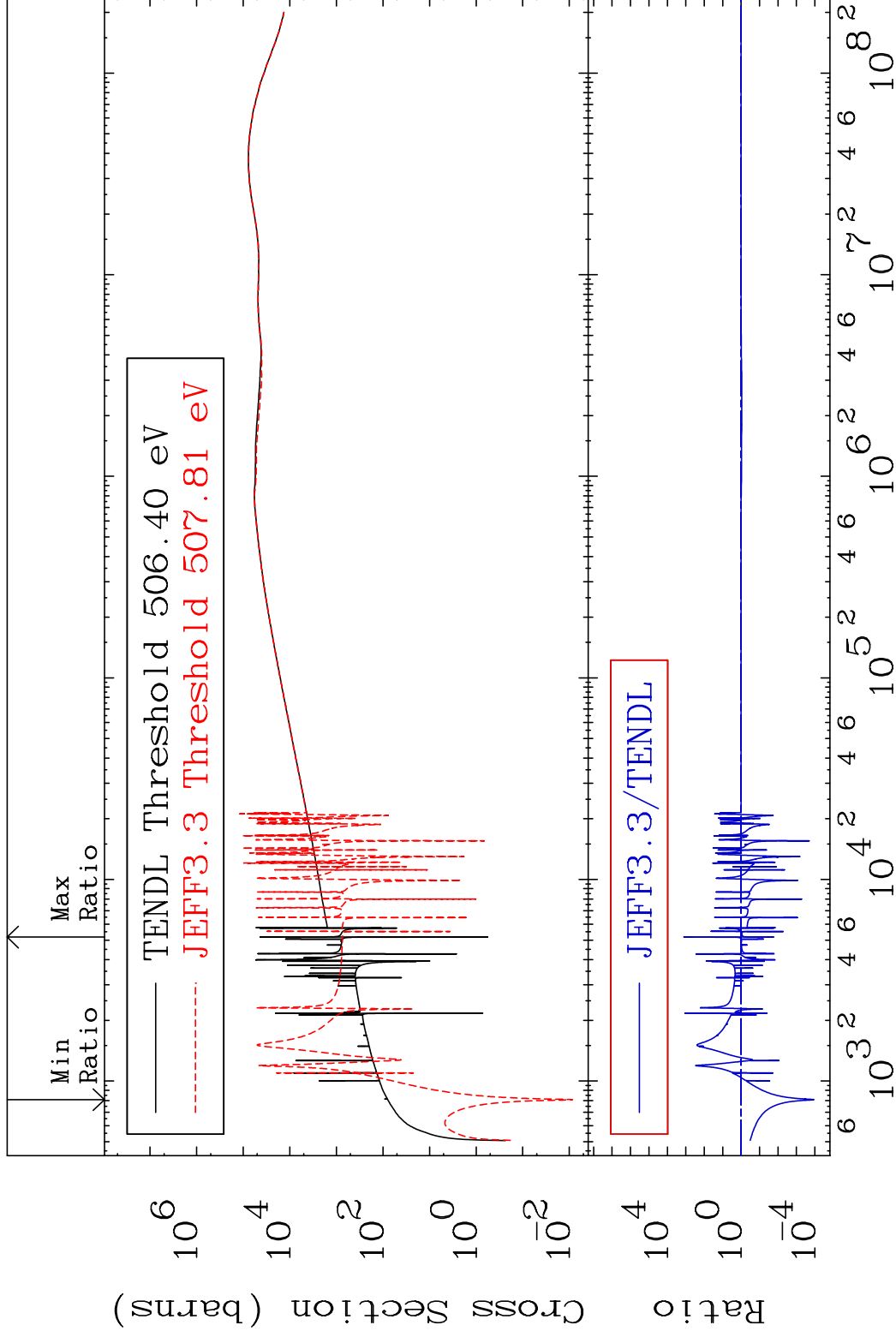
36-Kr-82

MAT 3637

Dpa elastic (mt2)

36-Kr-82

Cross Section -99.99 To 9999. %

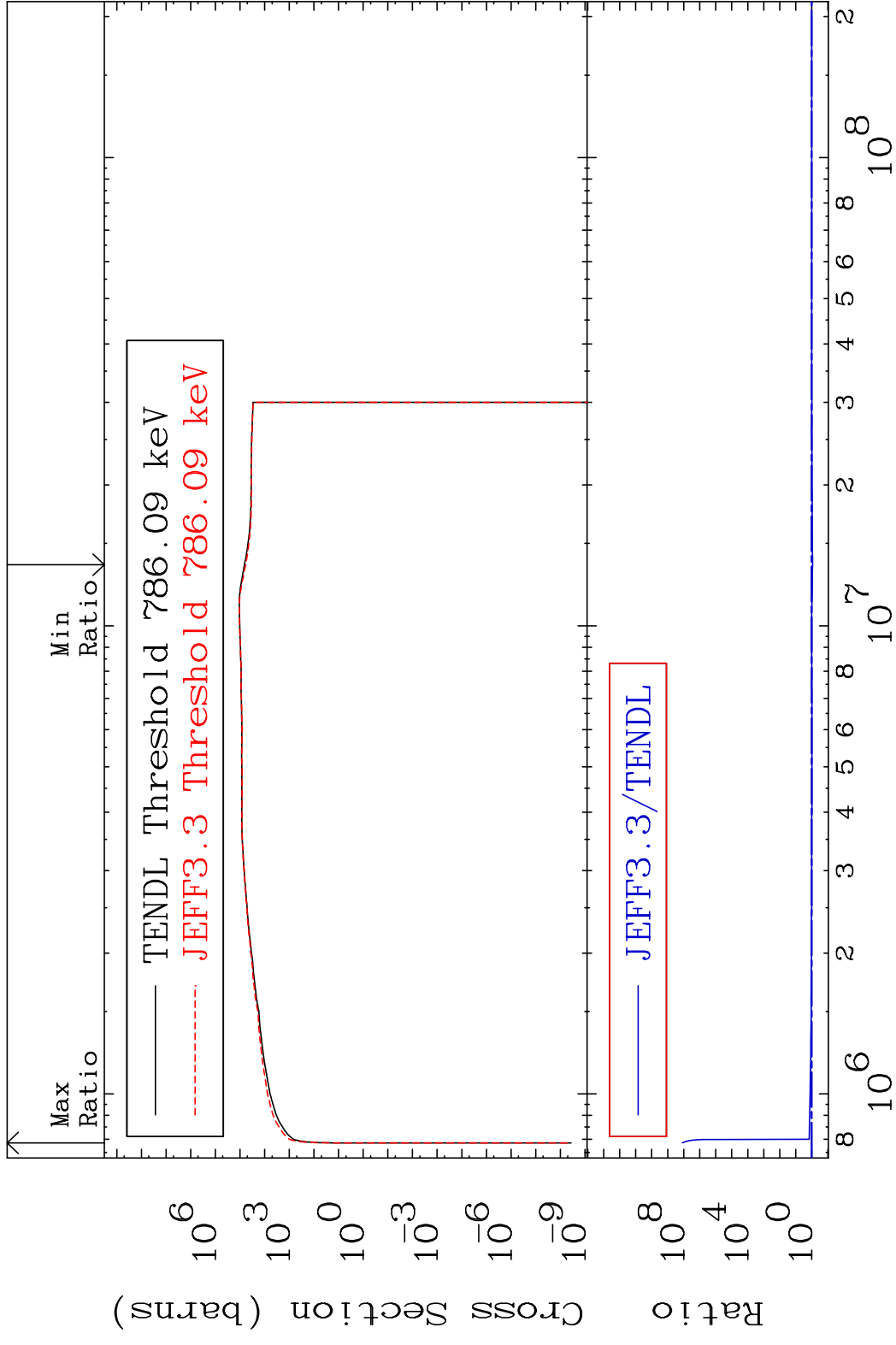


75

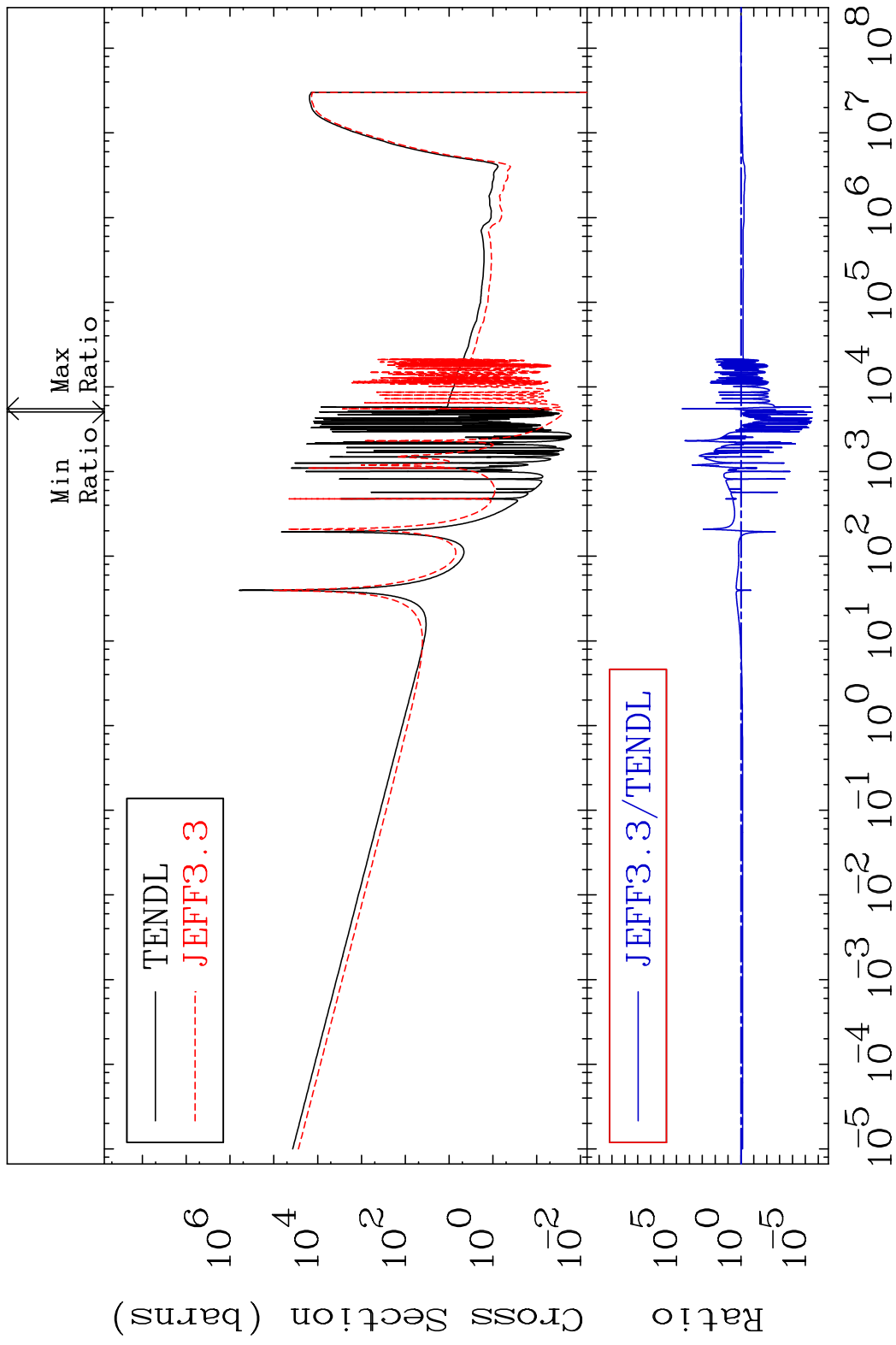
Incident Energy (eV)

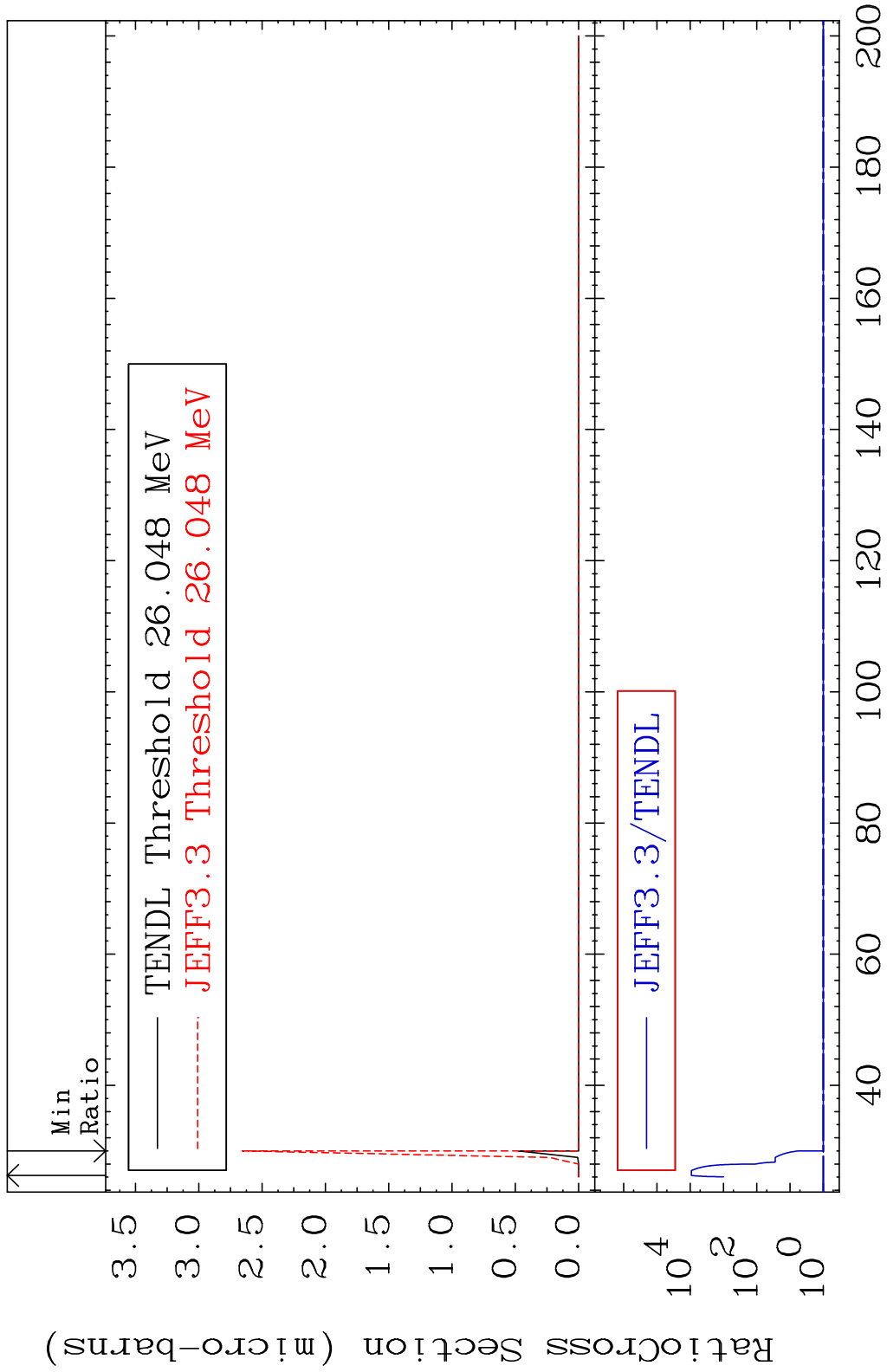
36-Kr-82

MAT 3637 Dpa inelastic (mt51-91) 36-Kr-82
 Cross Section -10.49 To 9999. %

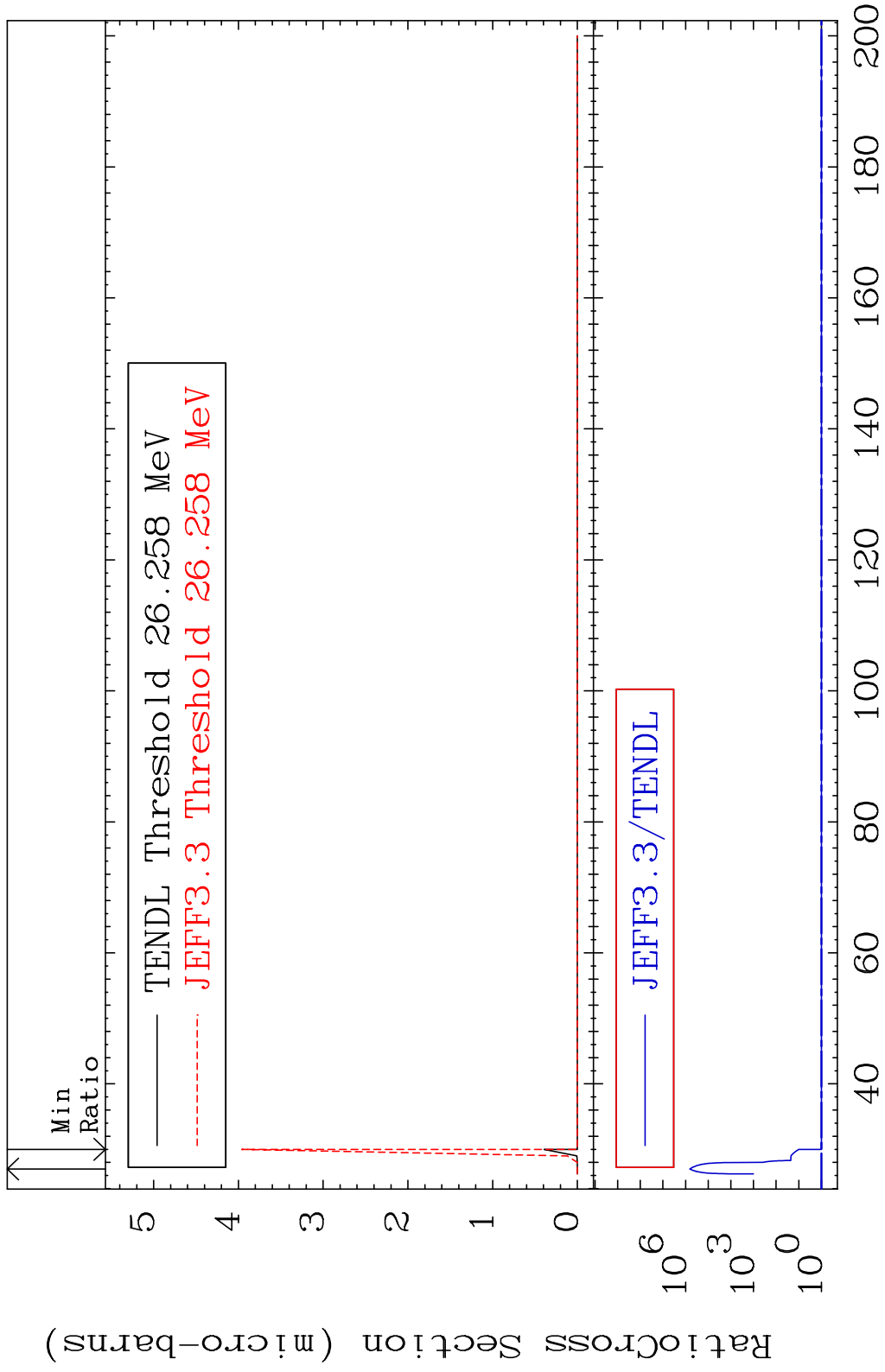


MAT 3637 Dpa disappearance (mt102 -120) 36-Kr-82
 Cross Section -100.0 To 9999. %

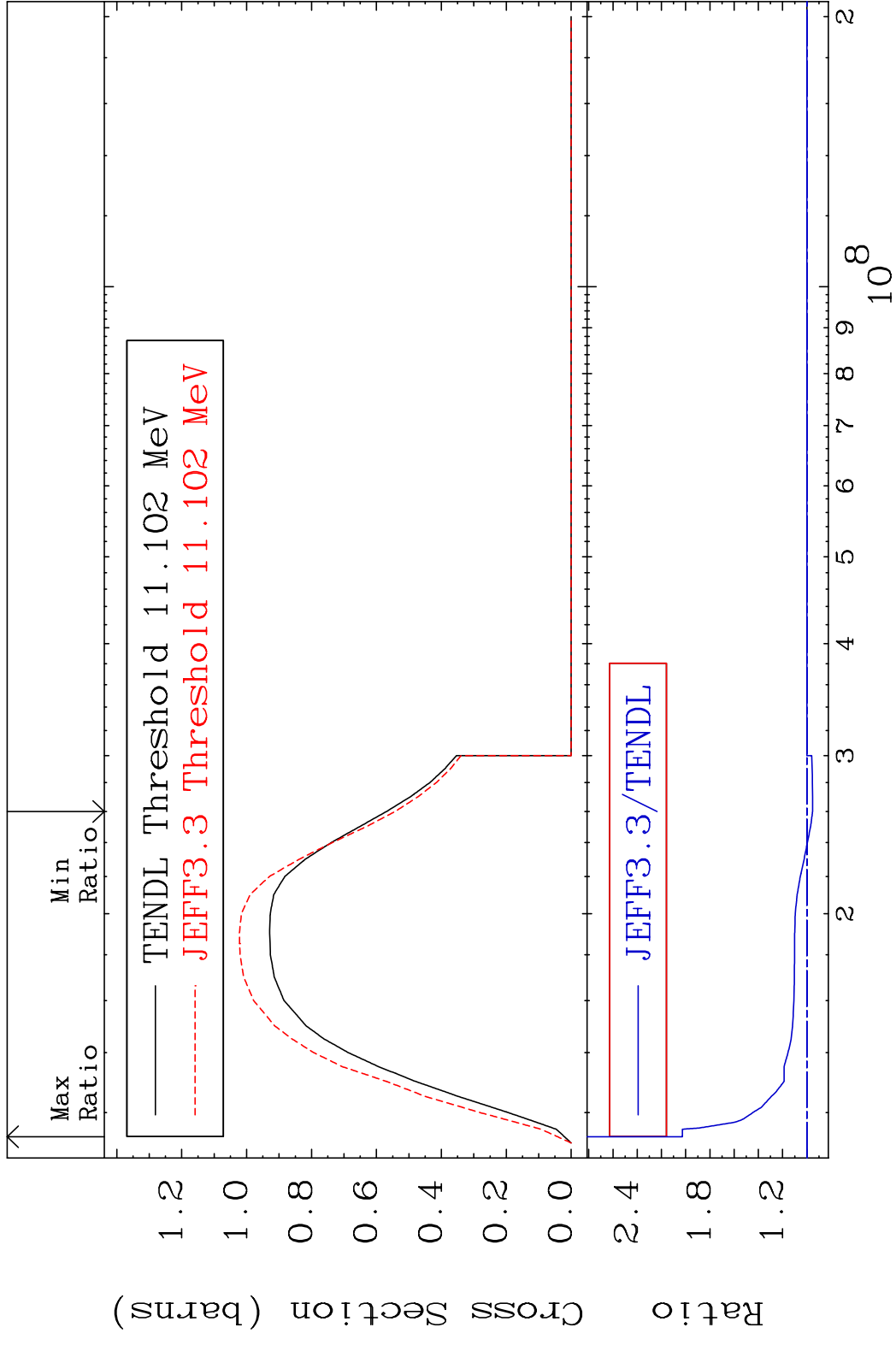


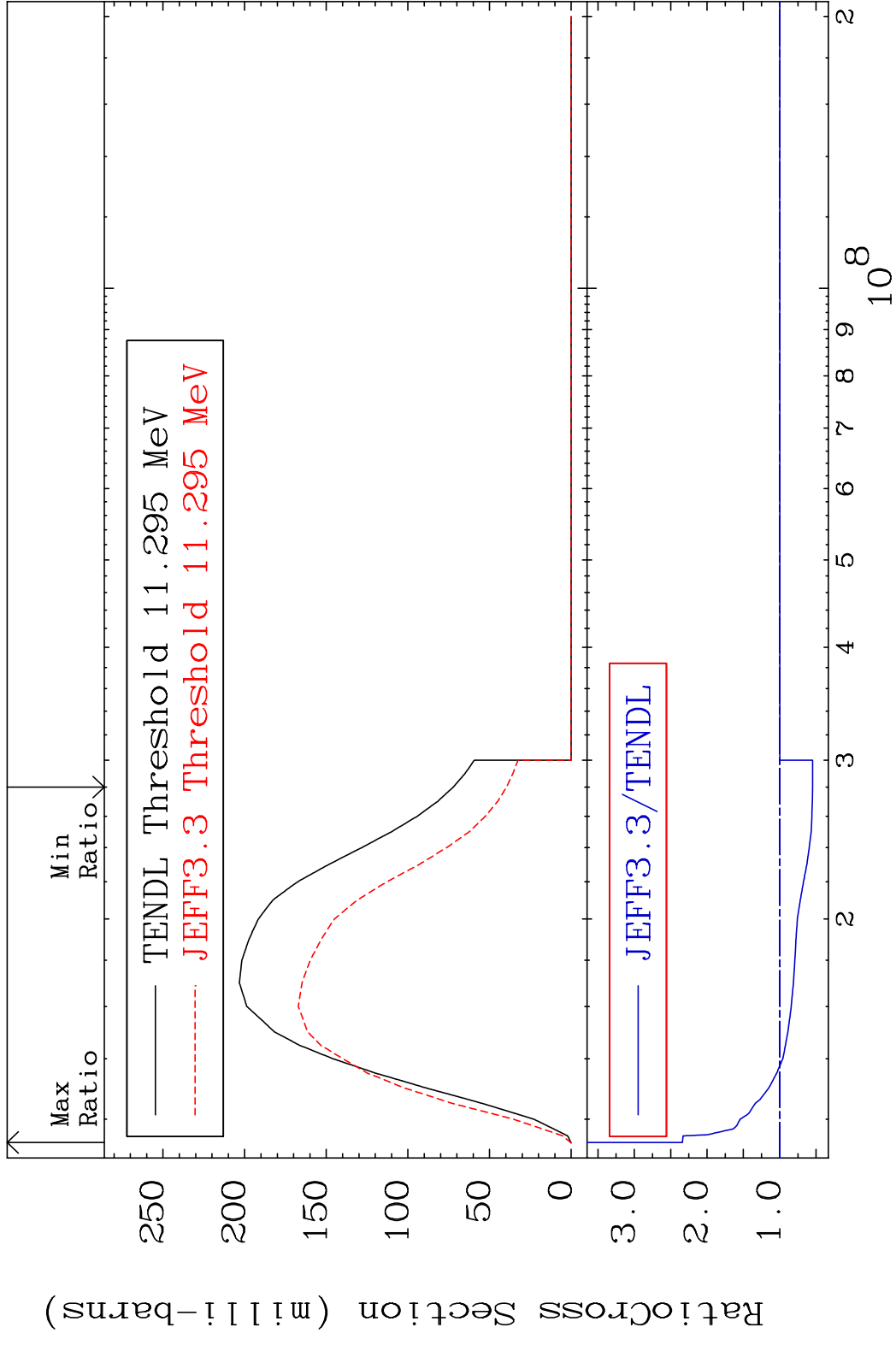


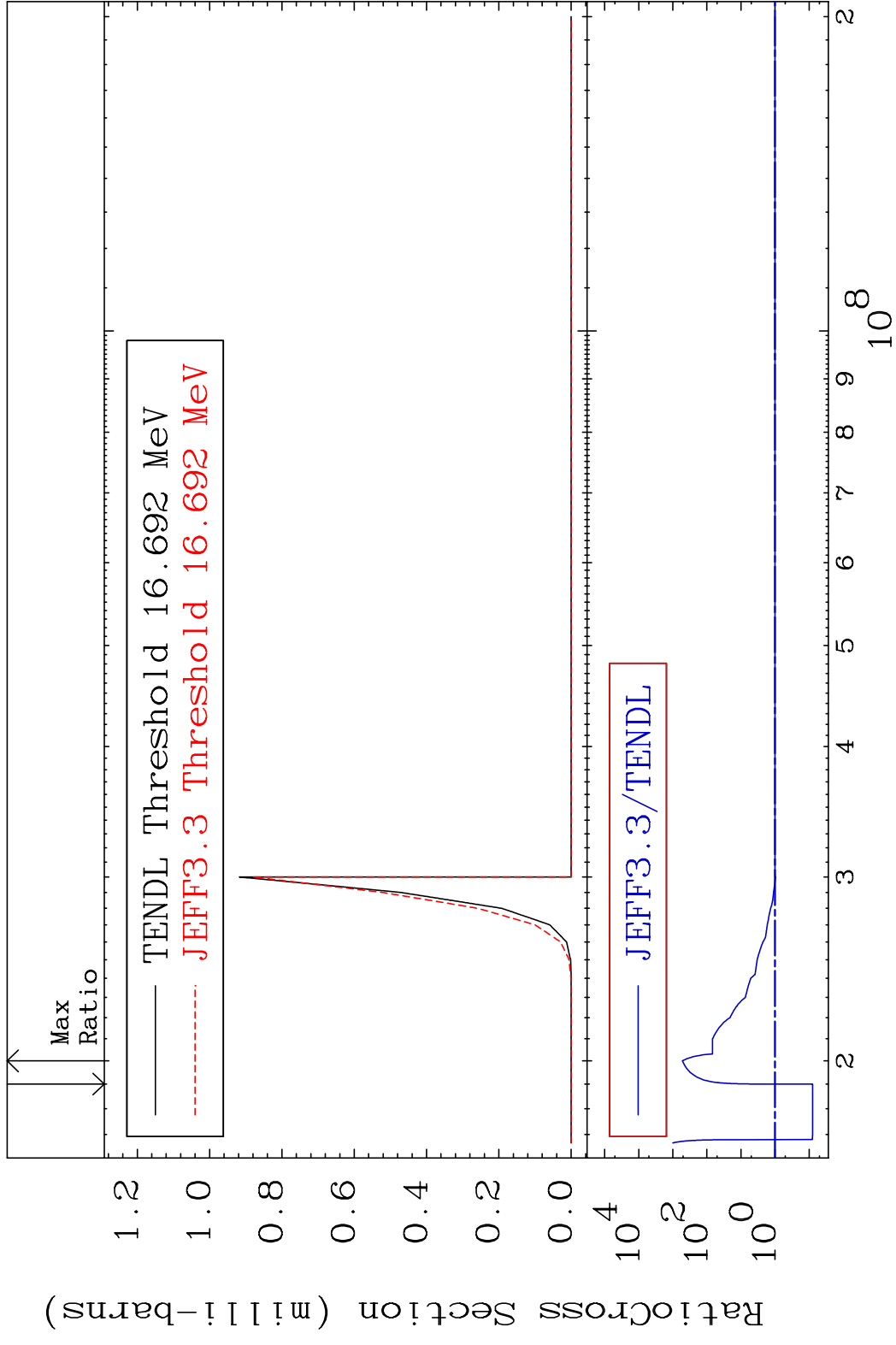
MAT 3637 (n,2n) d:35-Br-79m1 36-Kr-82
 Radionuclide Production Cross Section 9999. %



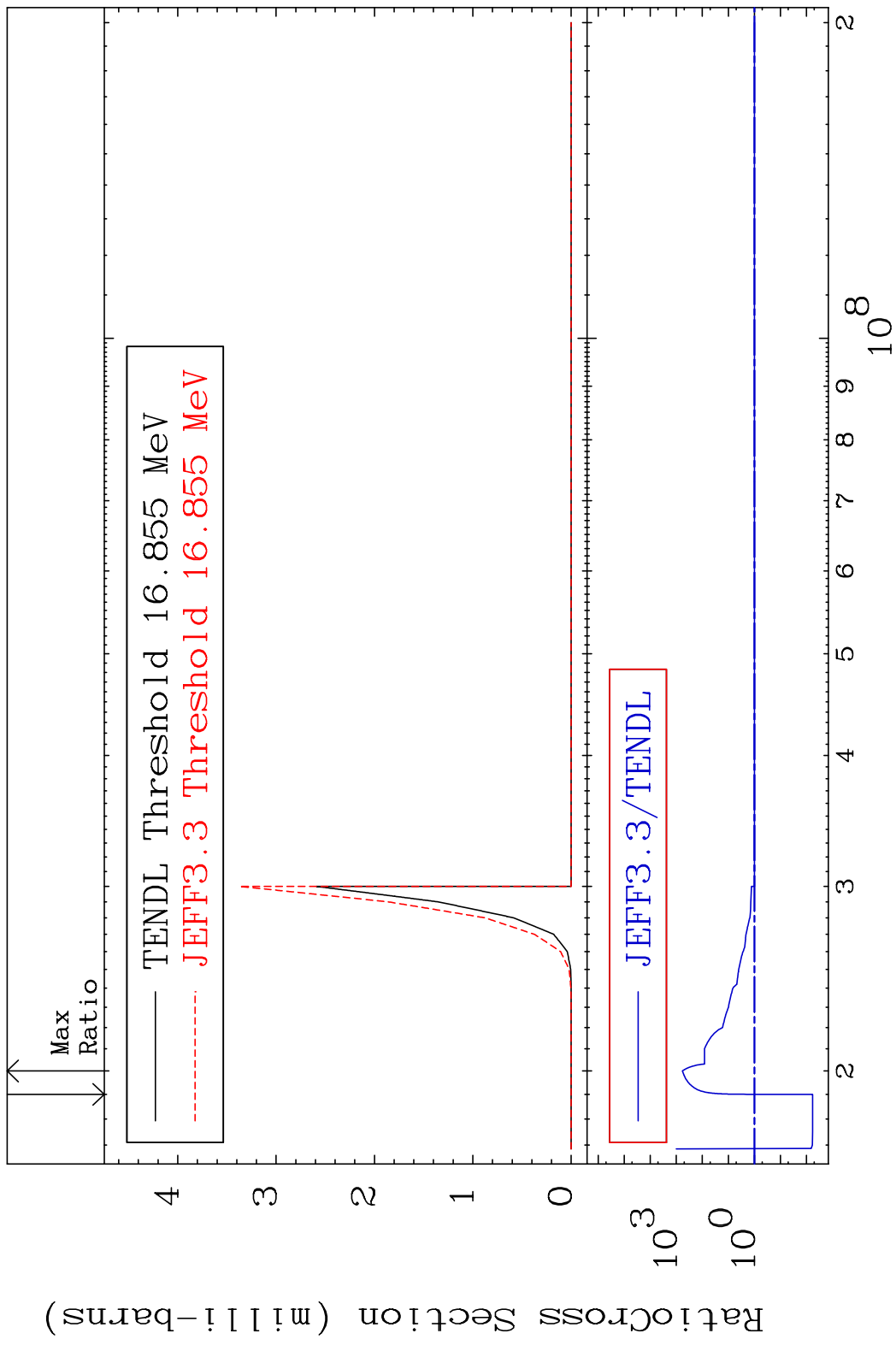
MAT 3637 (n,2n):36-Kr-81g 36-Kr-82
 Radionuclide Production Cross Section 102.7 %

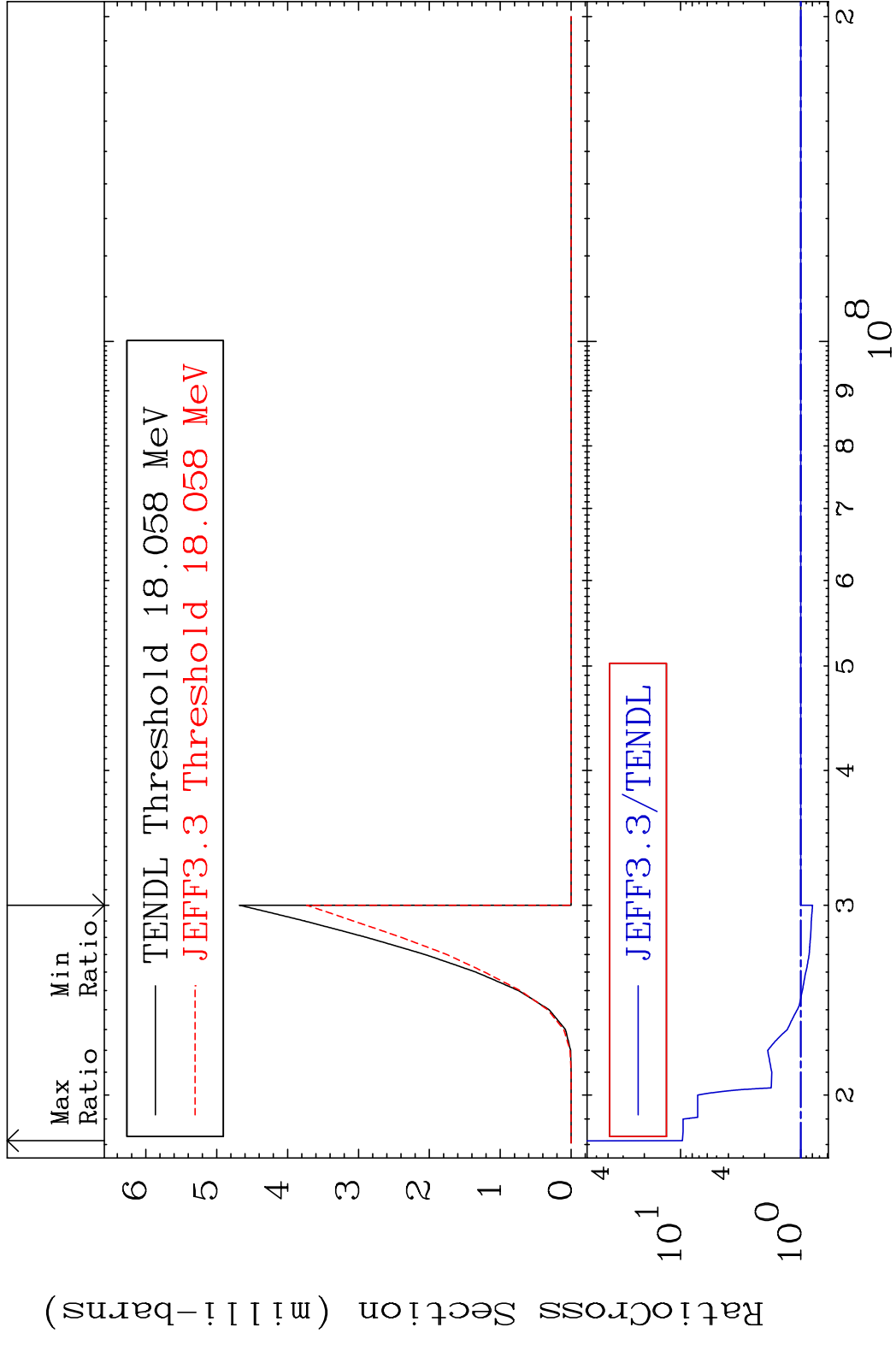


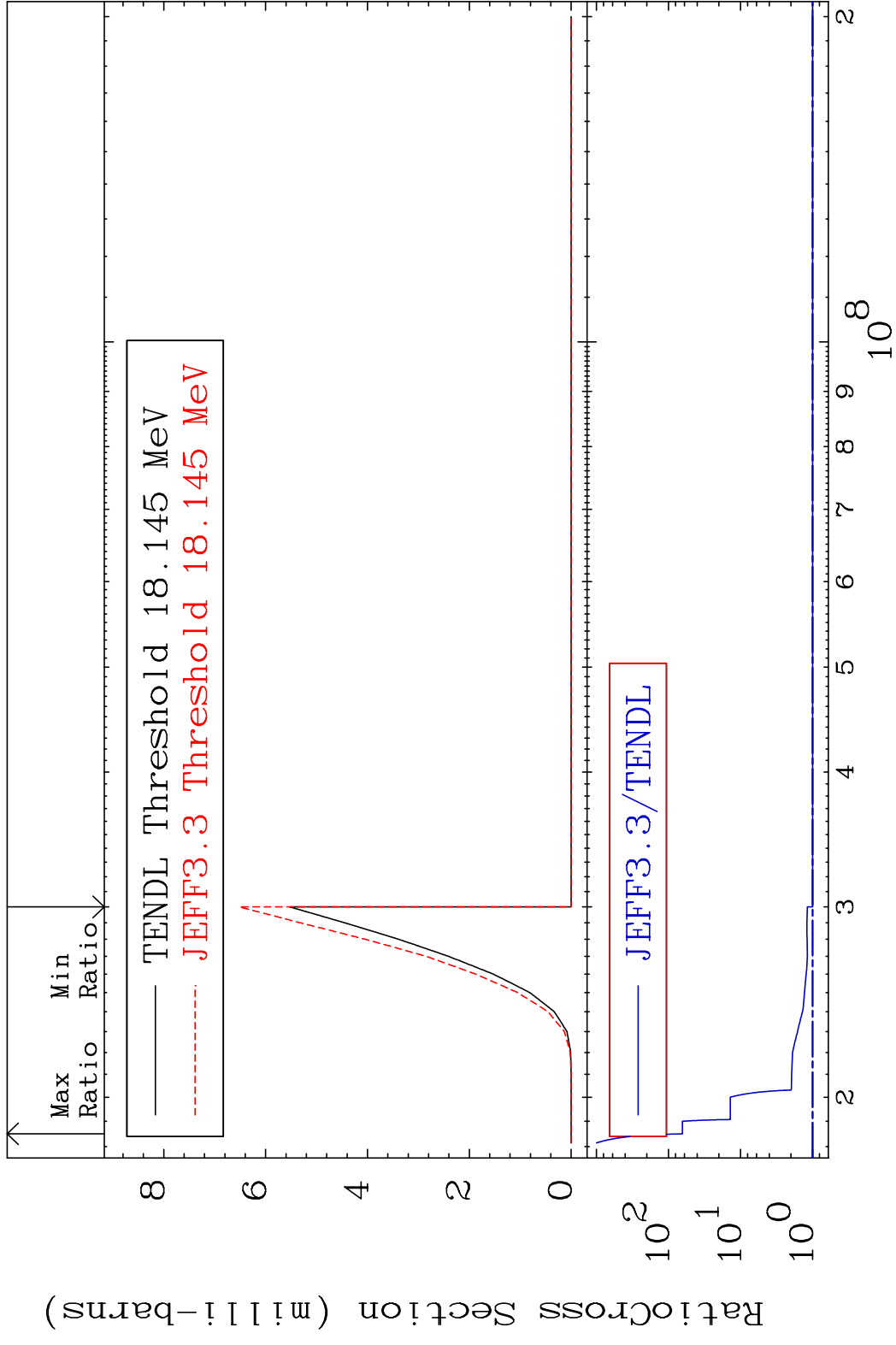


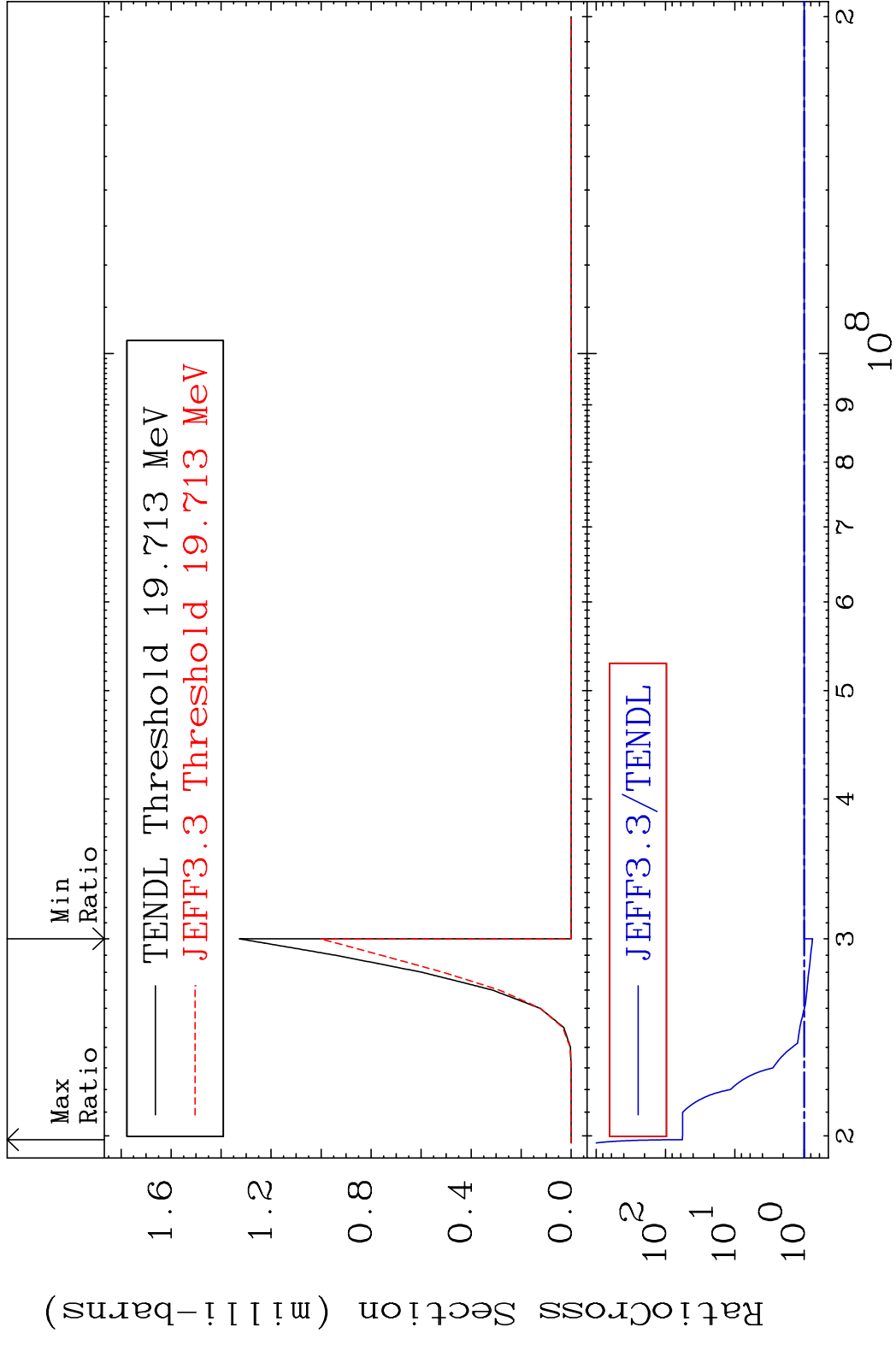


MAT 3637 (n,2n) α :34-Se-77m1 36-Kr-82
 Radionuclide Production Cross Section 9842110 9999. %

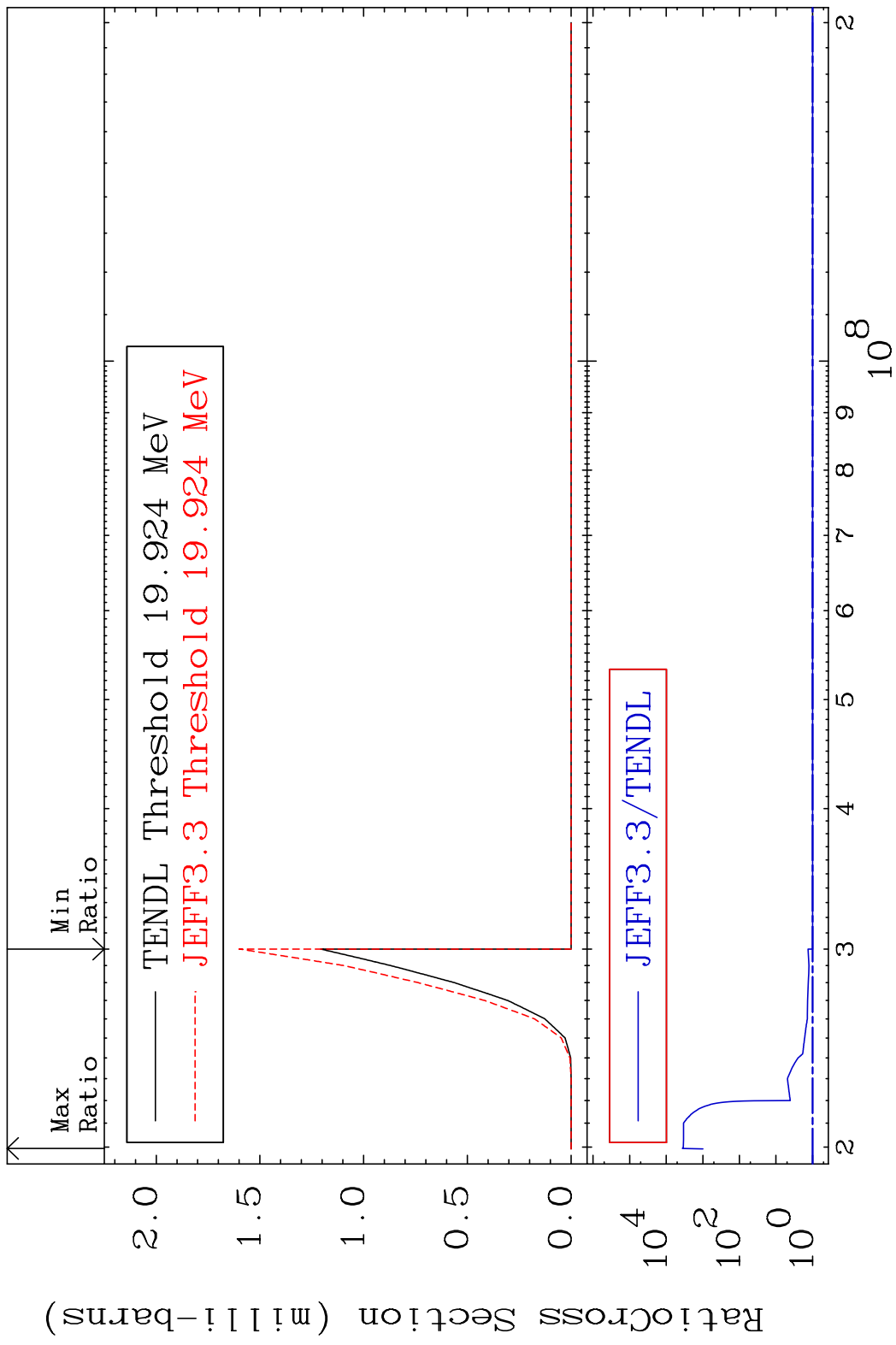


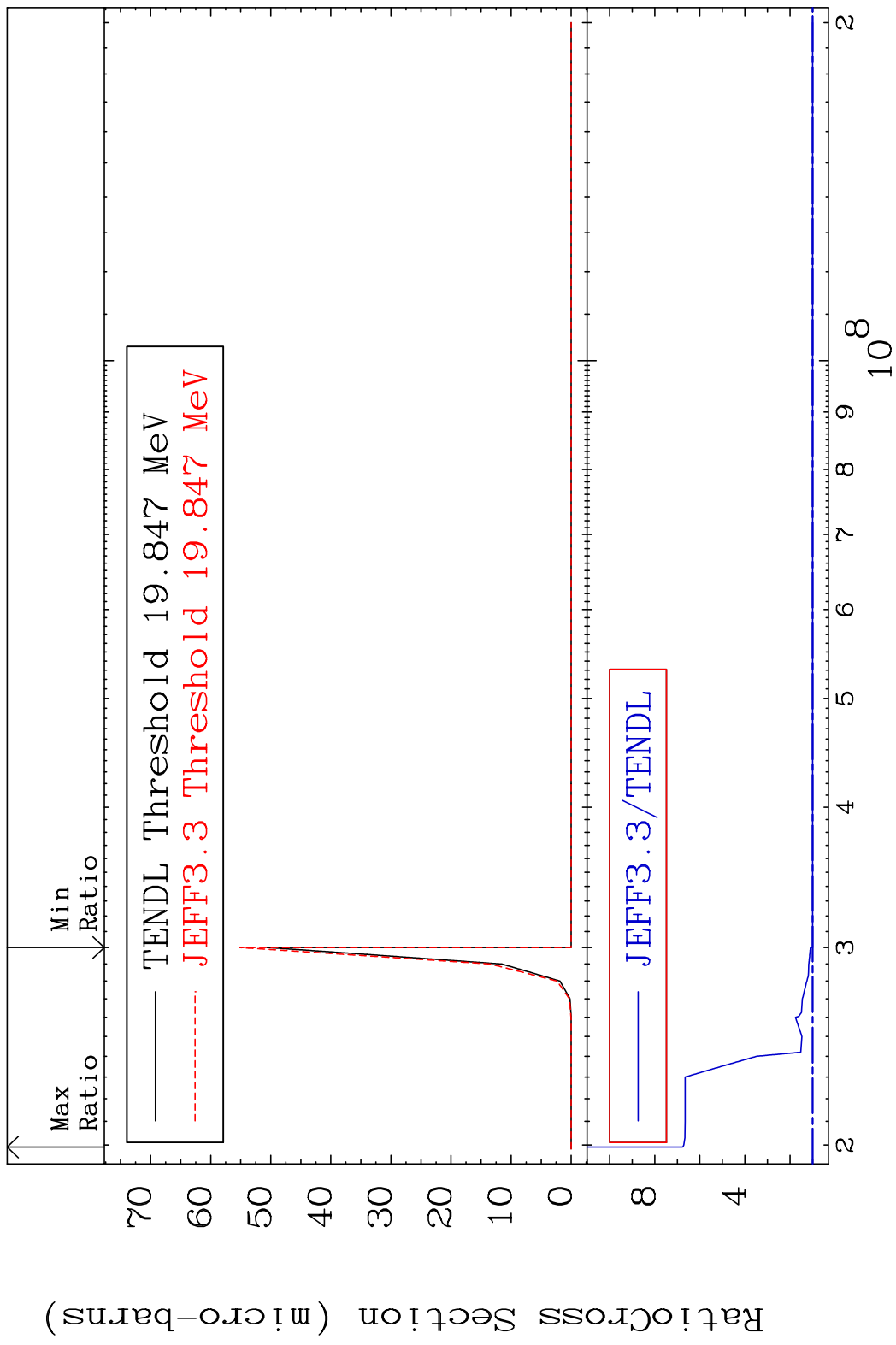


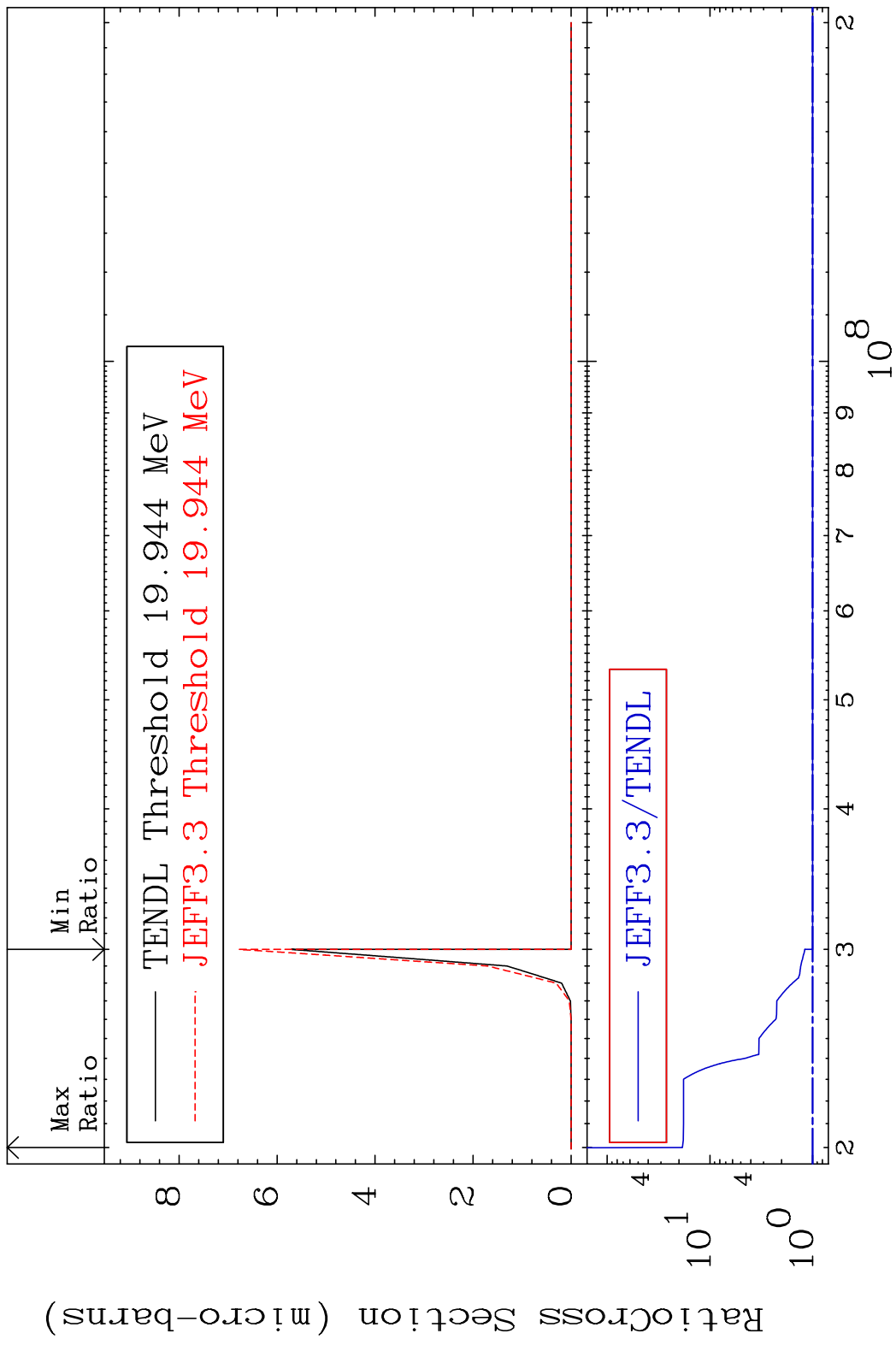




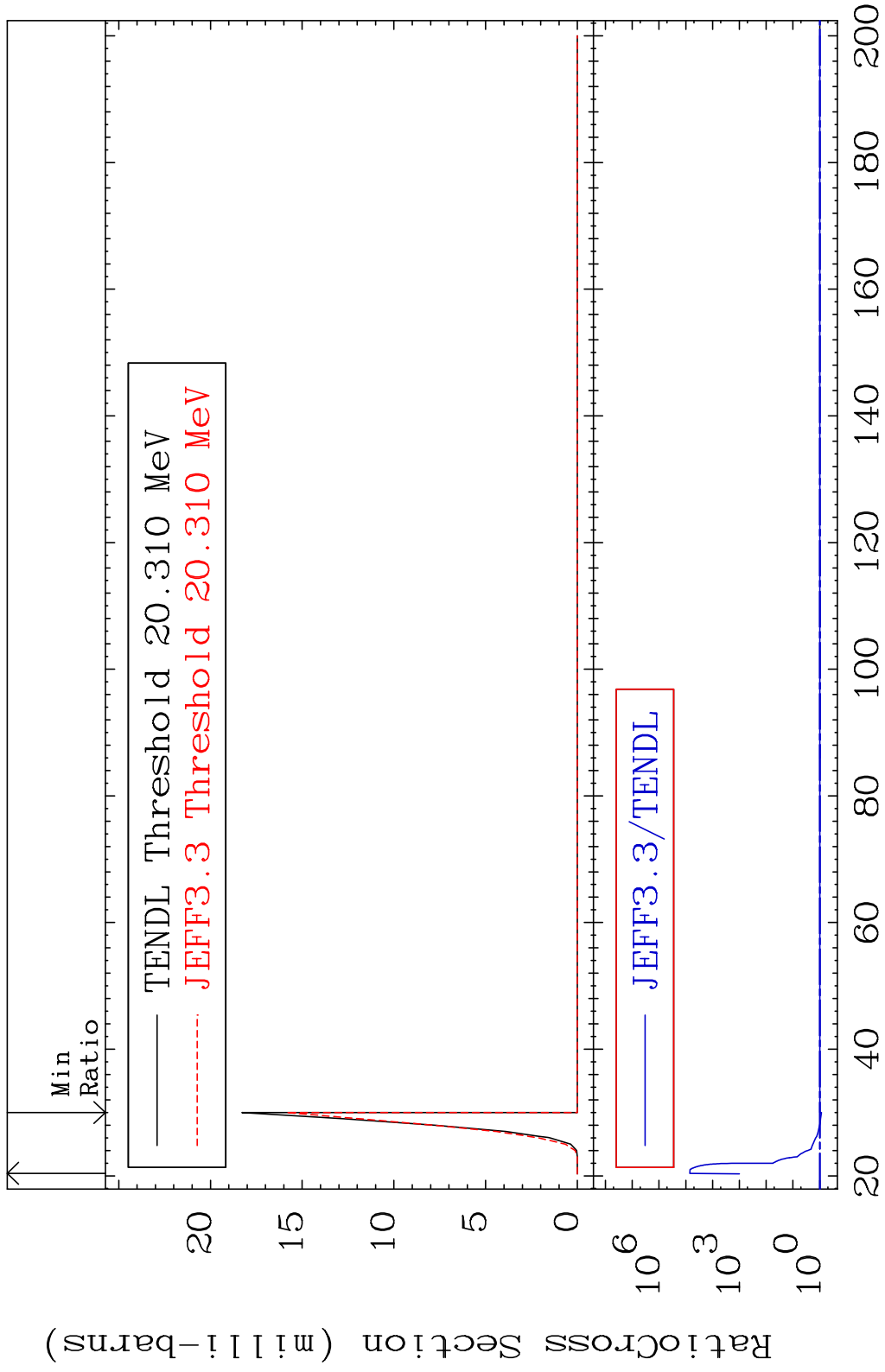
MAT 3637 (n, n') t:35-Br-79m1 36-Kr-82
 Radionuclide Production Cross Section 9999. %



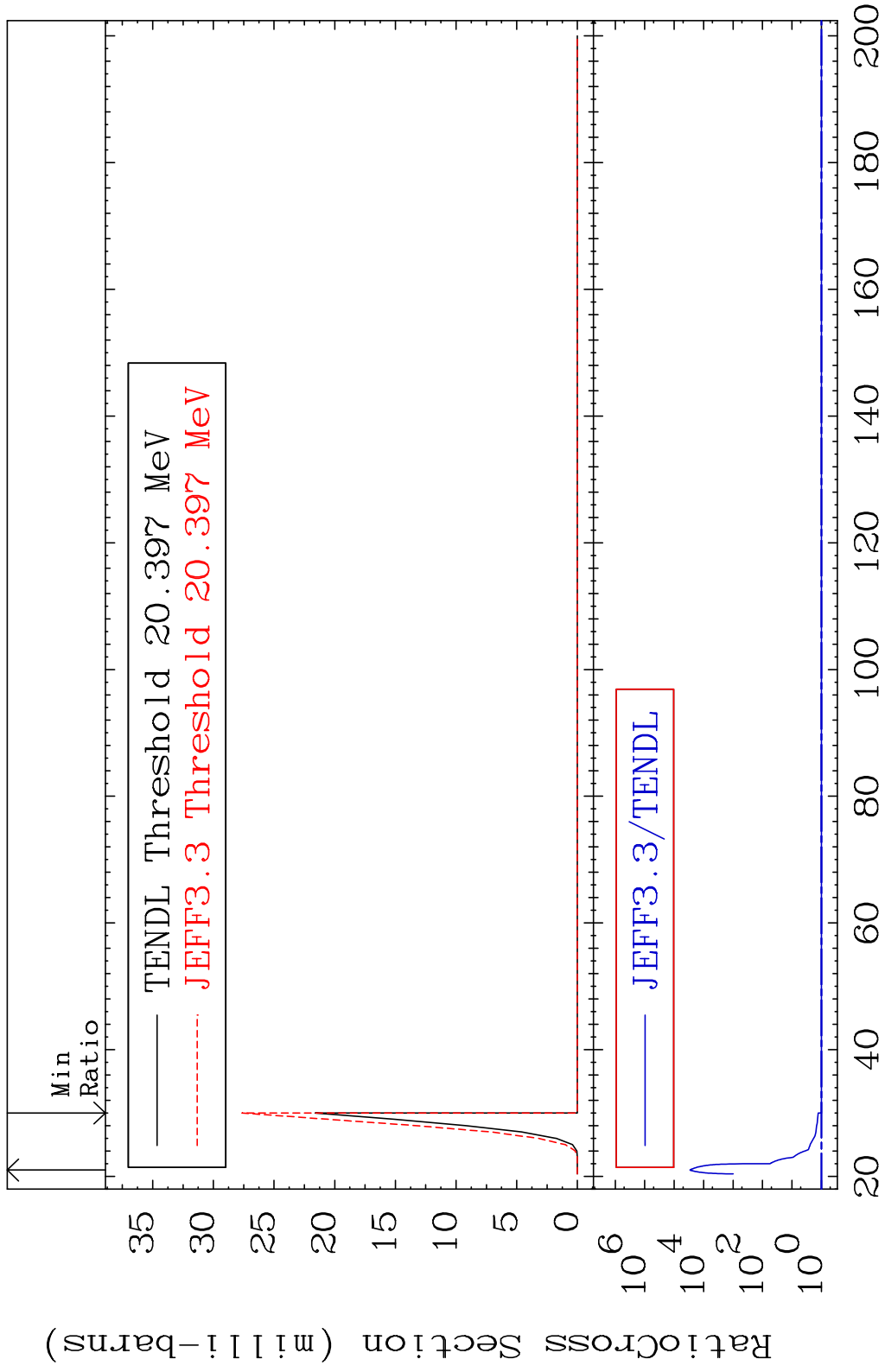




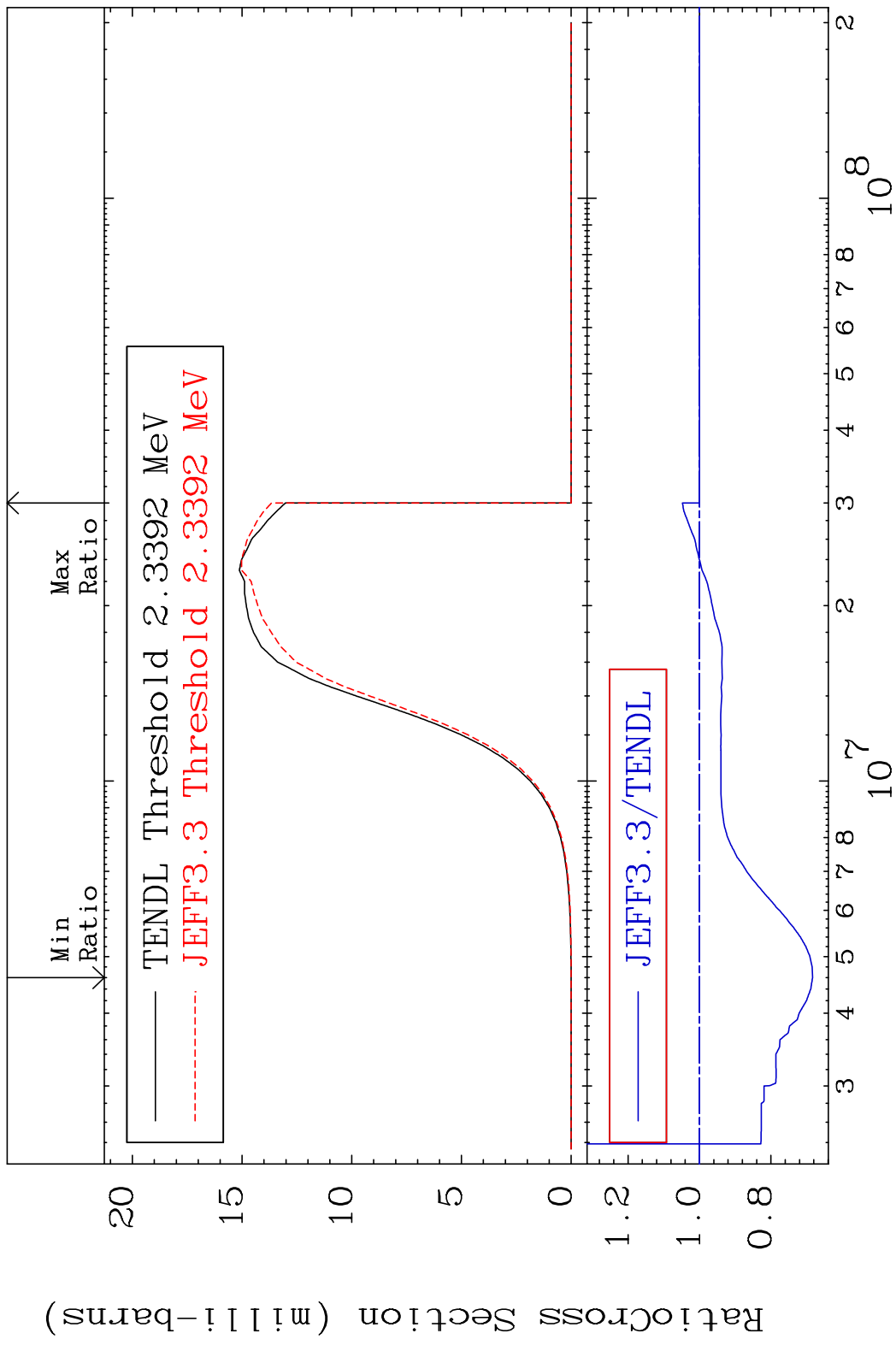
MAT 3637 (n,2n) p:35-Br-80g 36-Kr-82
 Radionuclide Production Cross Section 1Se2011 to 9999. %



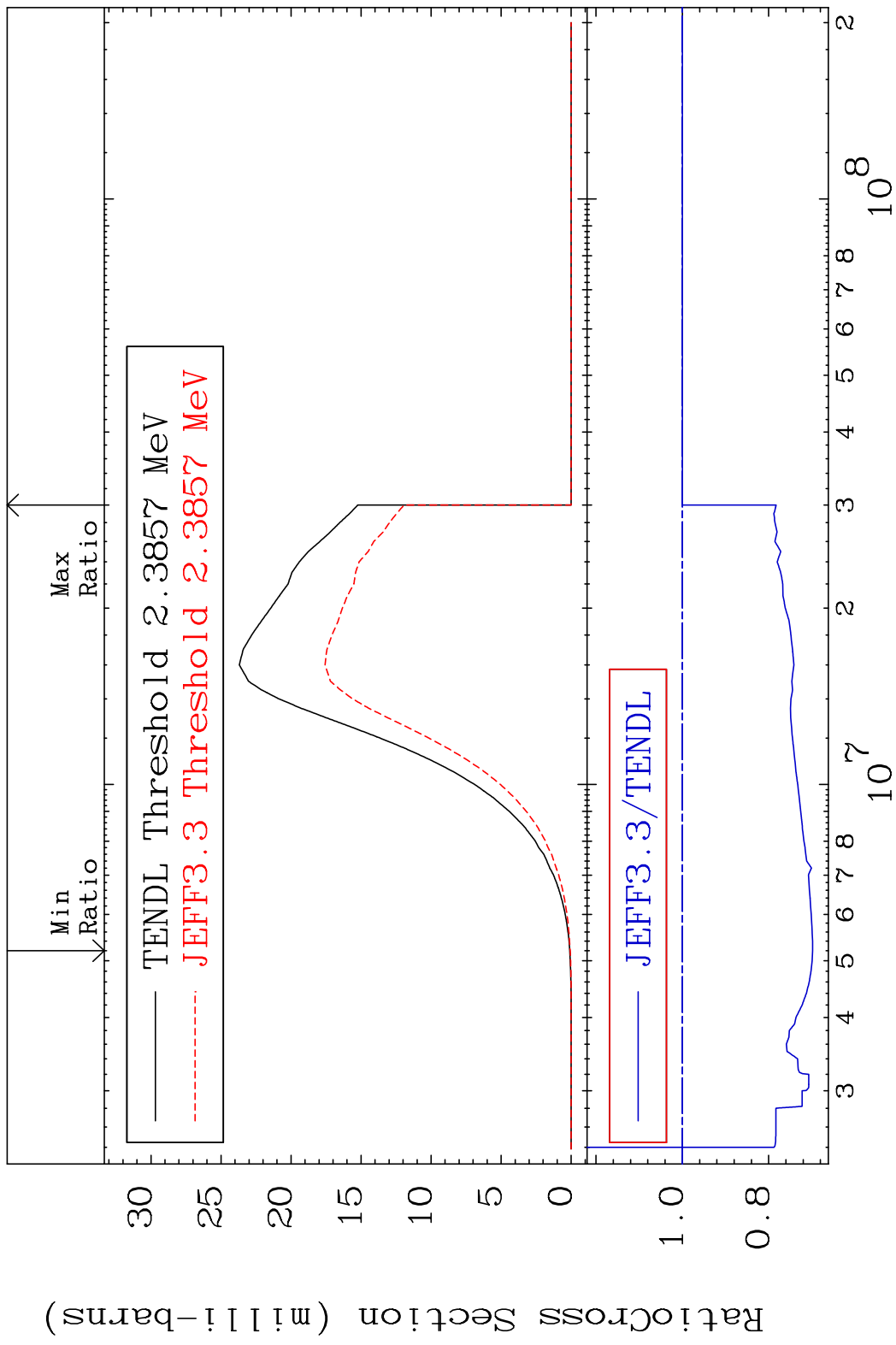
90 Incident Energy (MeV) 36-Kr-82

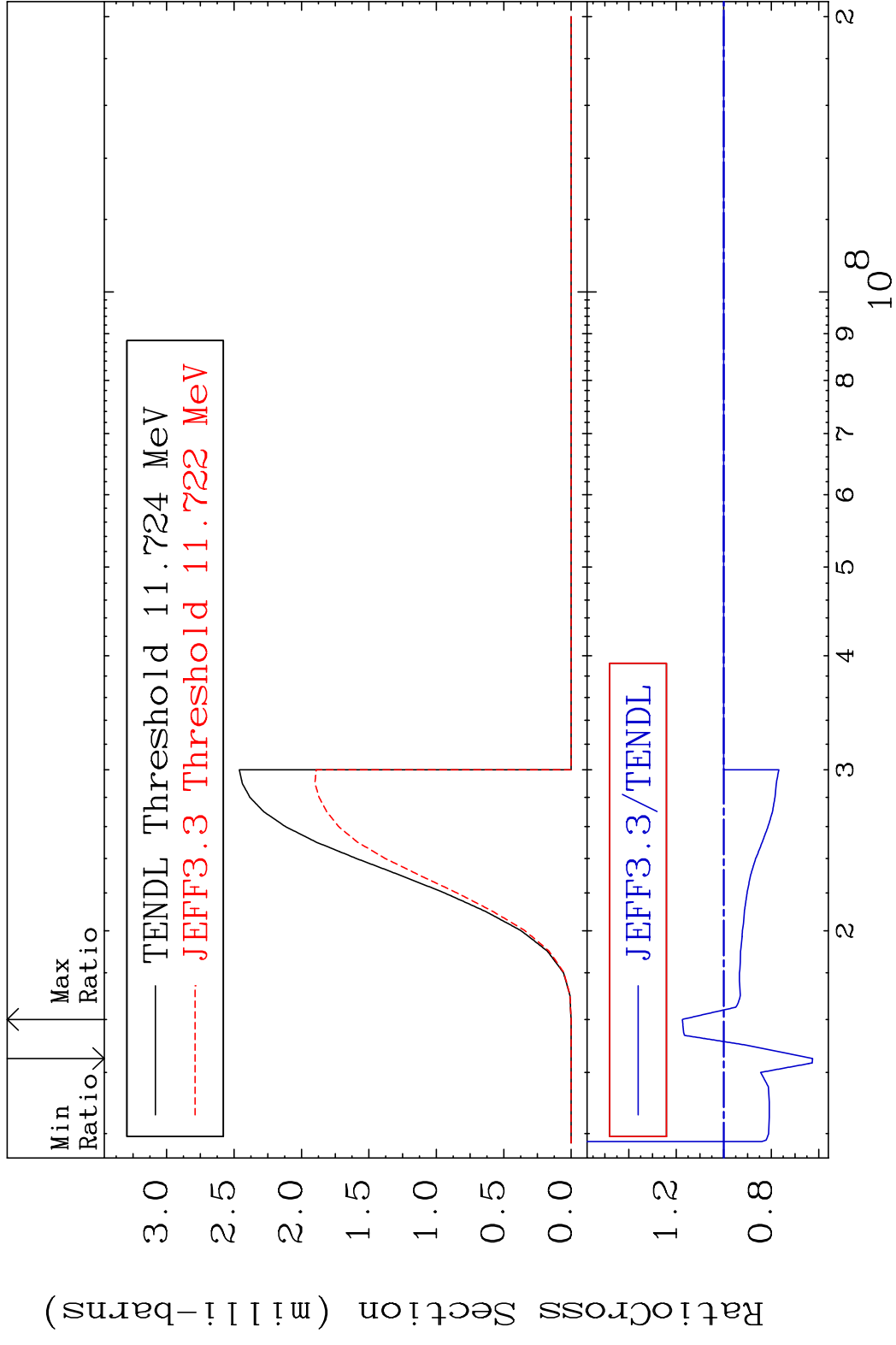


MAT 3637 (n, p) : 35-Br-82g 36-Kr-82
 Radionuclide Production Cross Section 4.794 %

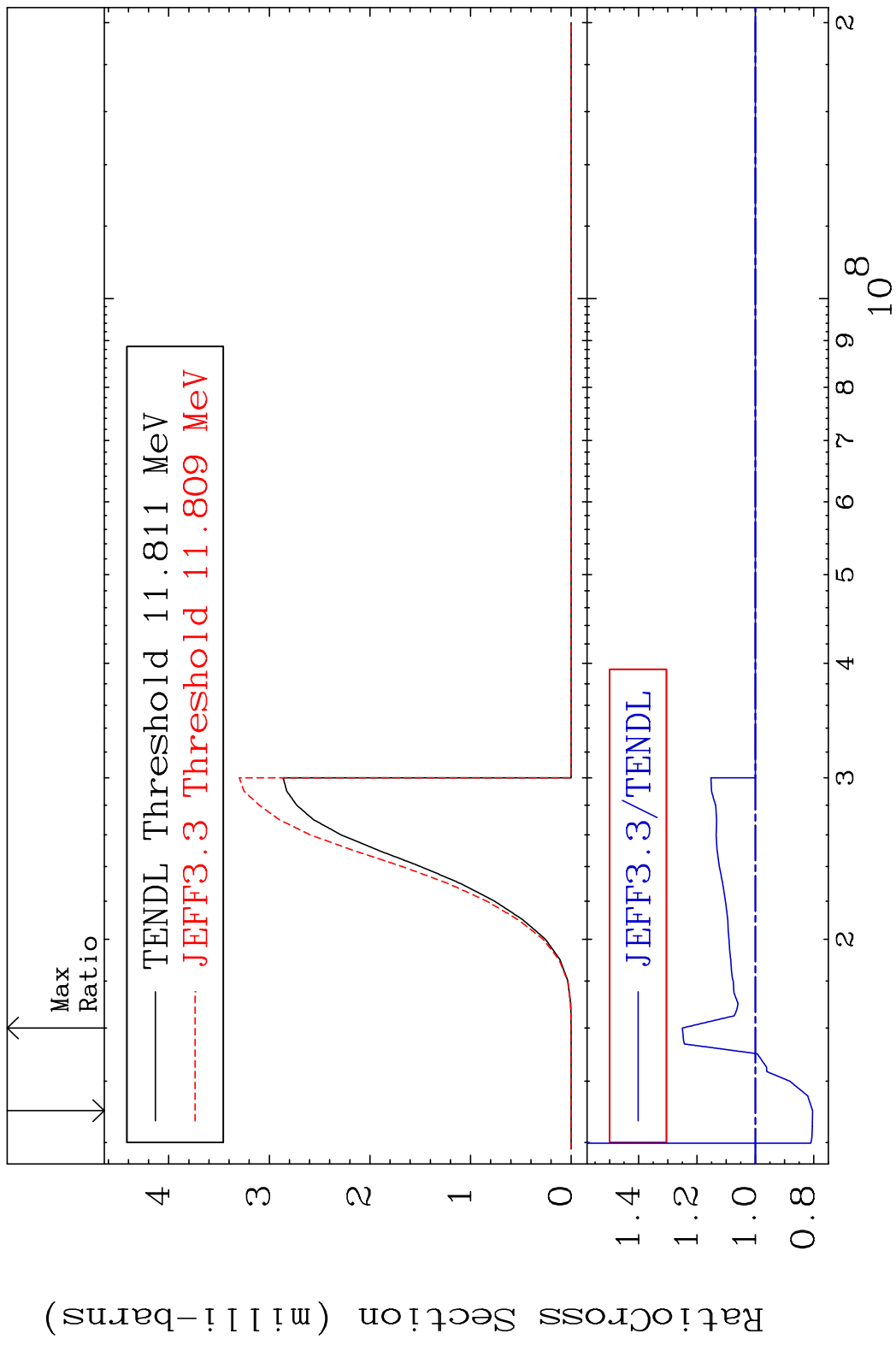


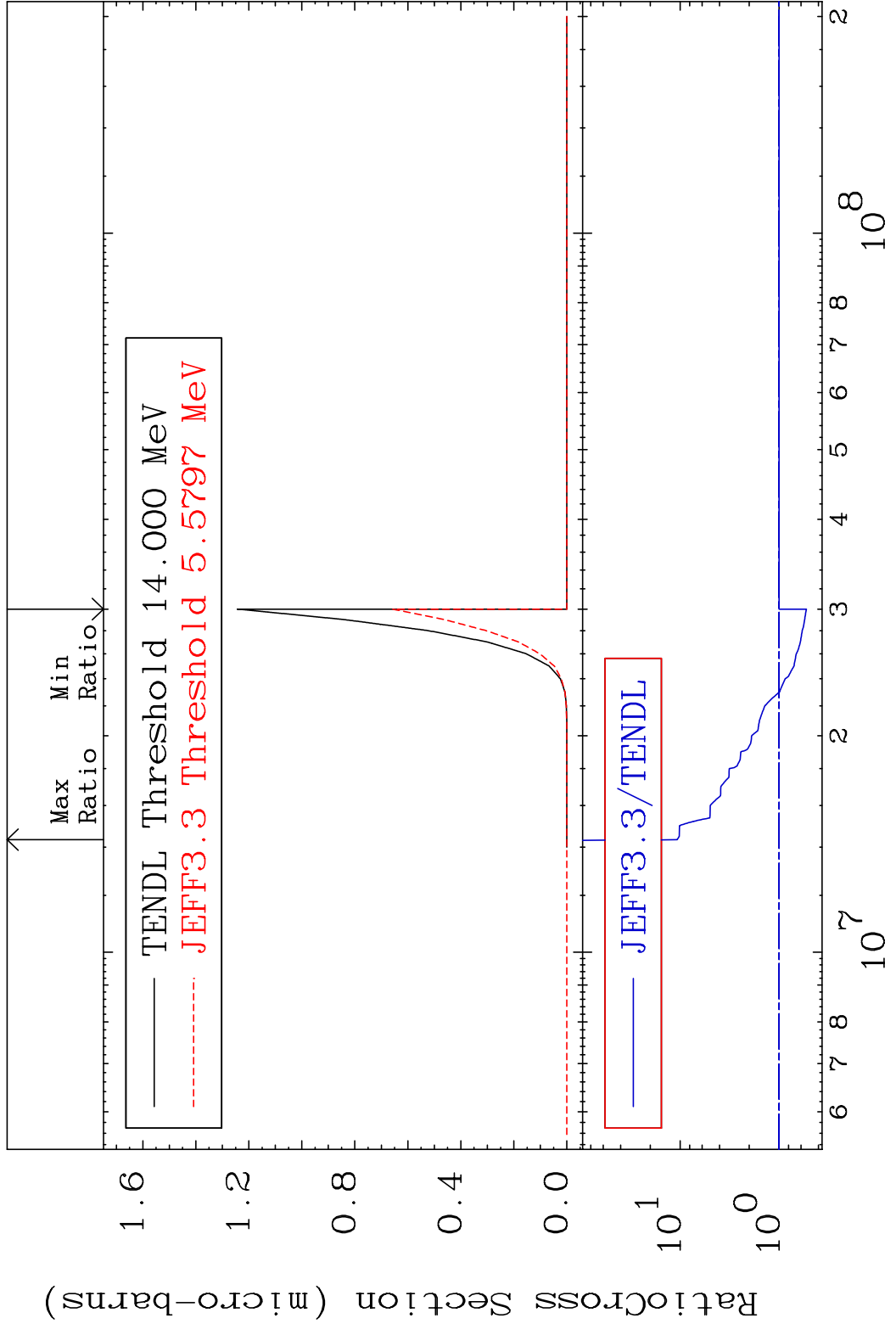
MAT 3637 (n,p):35-Br-82m1 36-Kr-82
 Radionuclide Production Cross Section 0.000 %





MAT 3637 (n, t):35-Br-80m2 36-Kr-82
 Radionuclide Production Cross Section 196210 25.03 %





MAT 3637 (n,2α):32-Ge-75m2 36-Kr-82
 Radionuclide Production Cross Section 3462. %

