

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

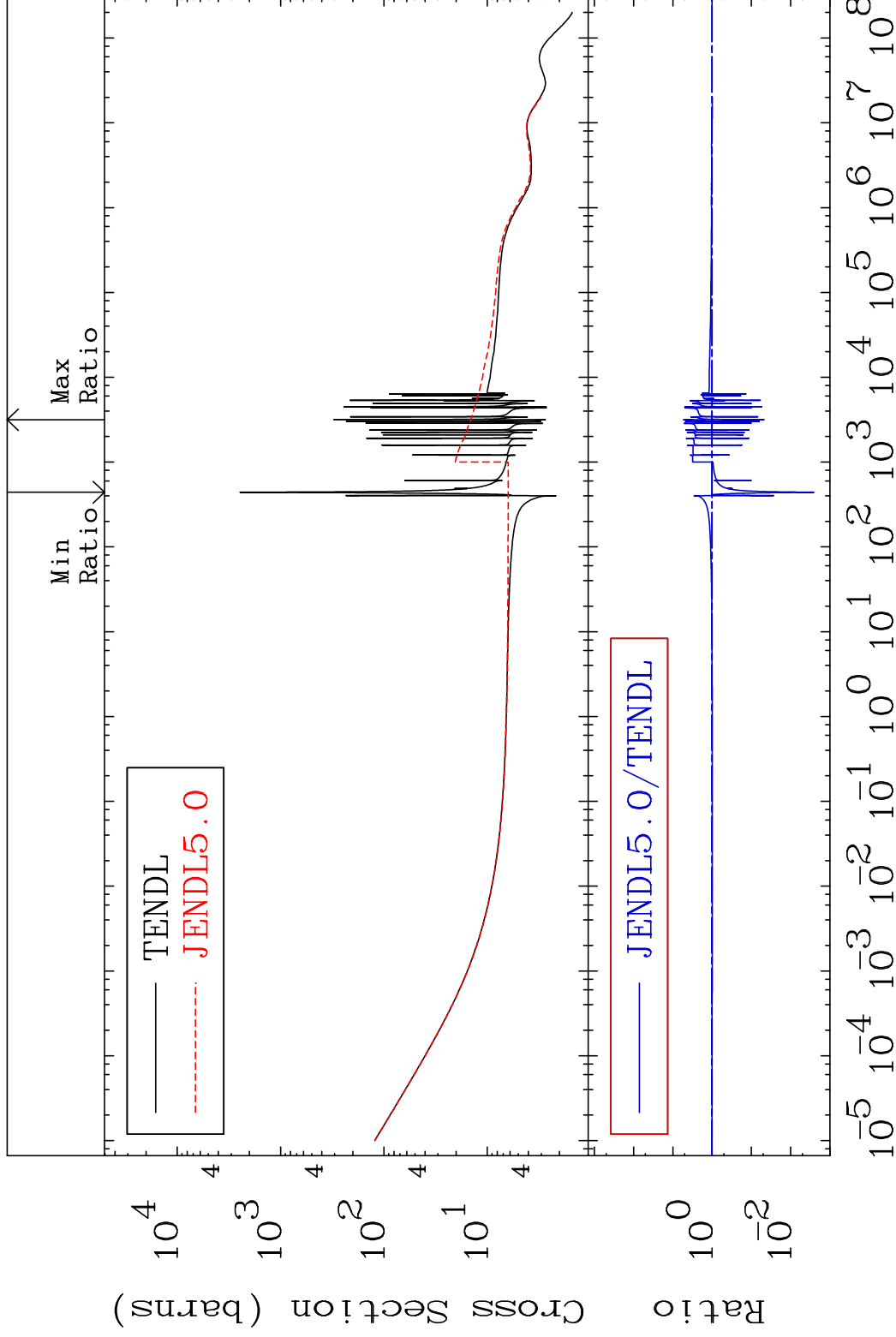
Press Mouse Button to Start

MAT 3646

Total

36-Kr-85

Cross Section -99.75 To 430.4 %



1

Incident Energy (eV)

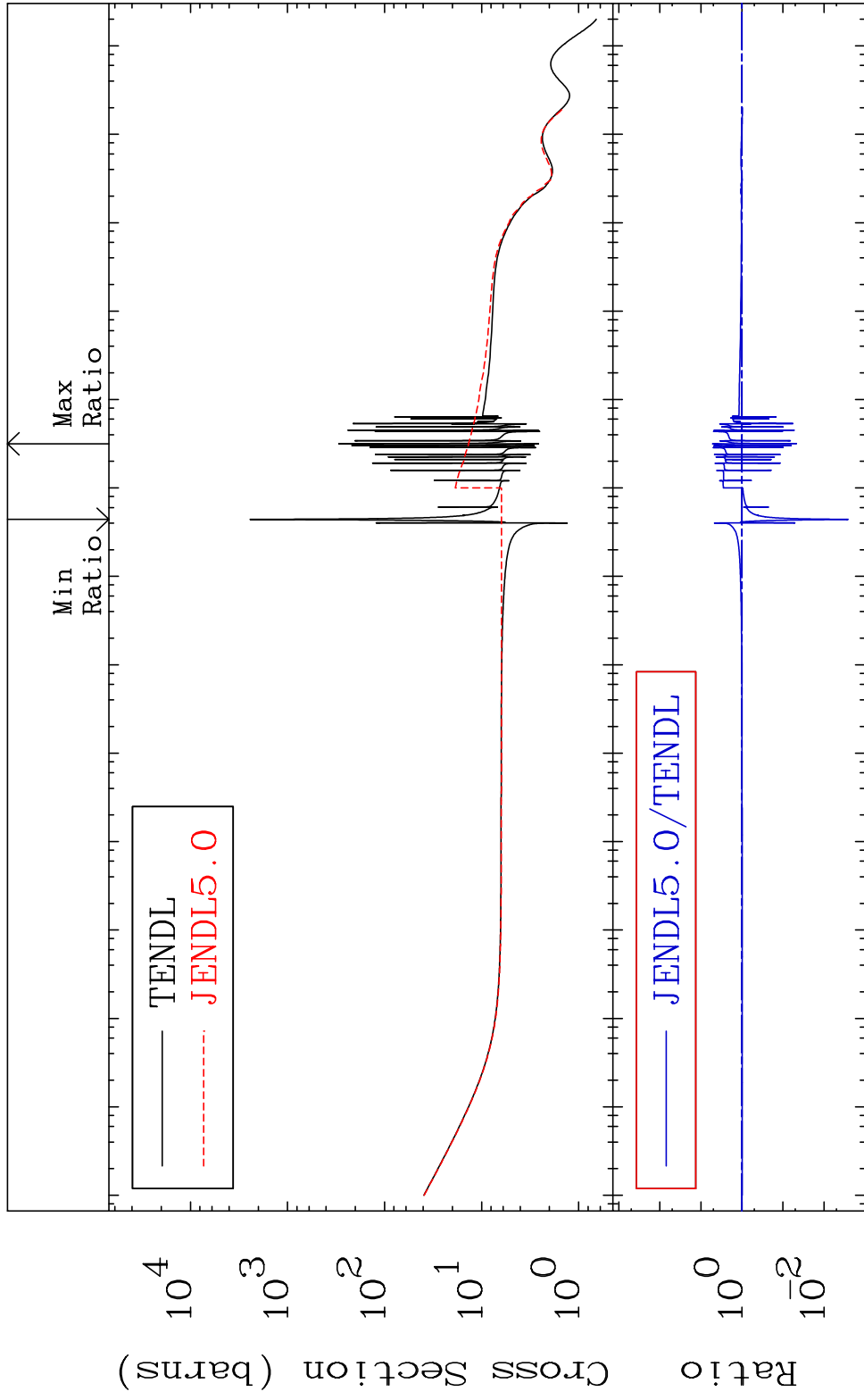
36-Kr-85

MAT 3646

Elastic

36-Kr-85

Cross Section -99.74 To 425.8 %



2

Incident Energy (eV)

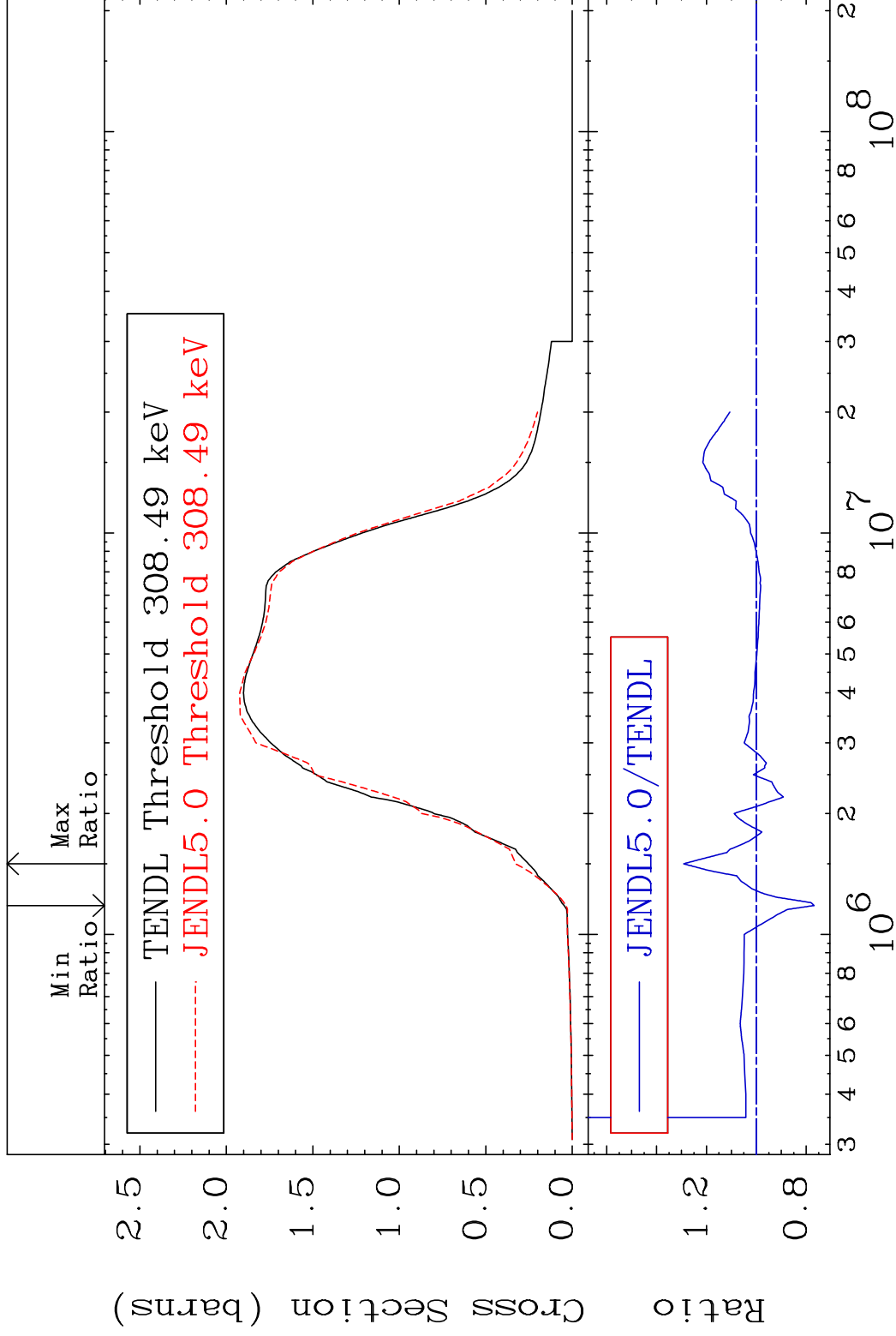
36-Kr-85

MAT 3646

Inelastic

³⁶Kr-85

Cross Section -23.16 To 29.14 %



3

Incident Energy (eV)

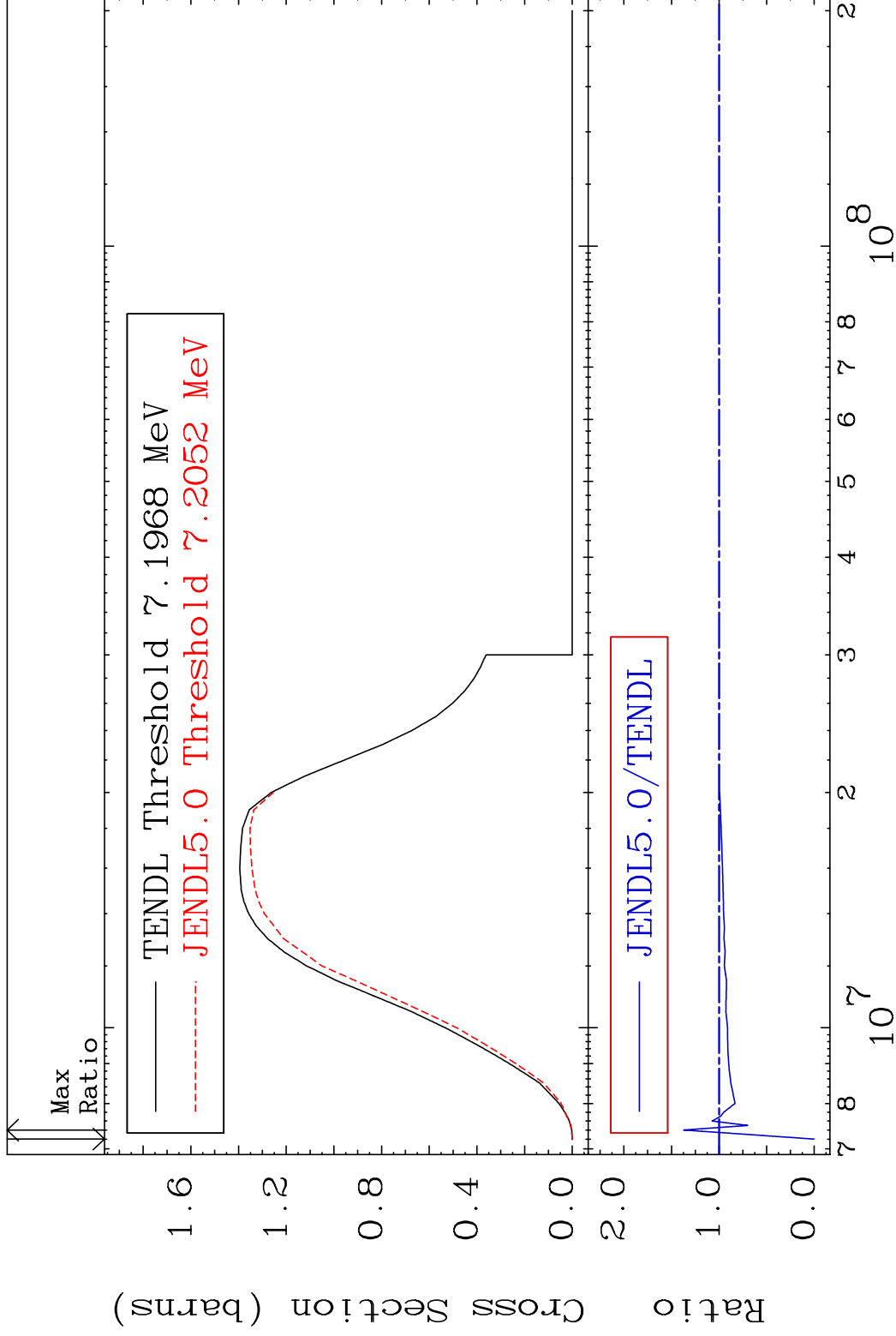
³⁶Kr-85

MAT 3646

(n,2n)

36-Kr-85

Cross Section -100.0 To 37.19 %



4

Incident Energy (eV)

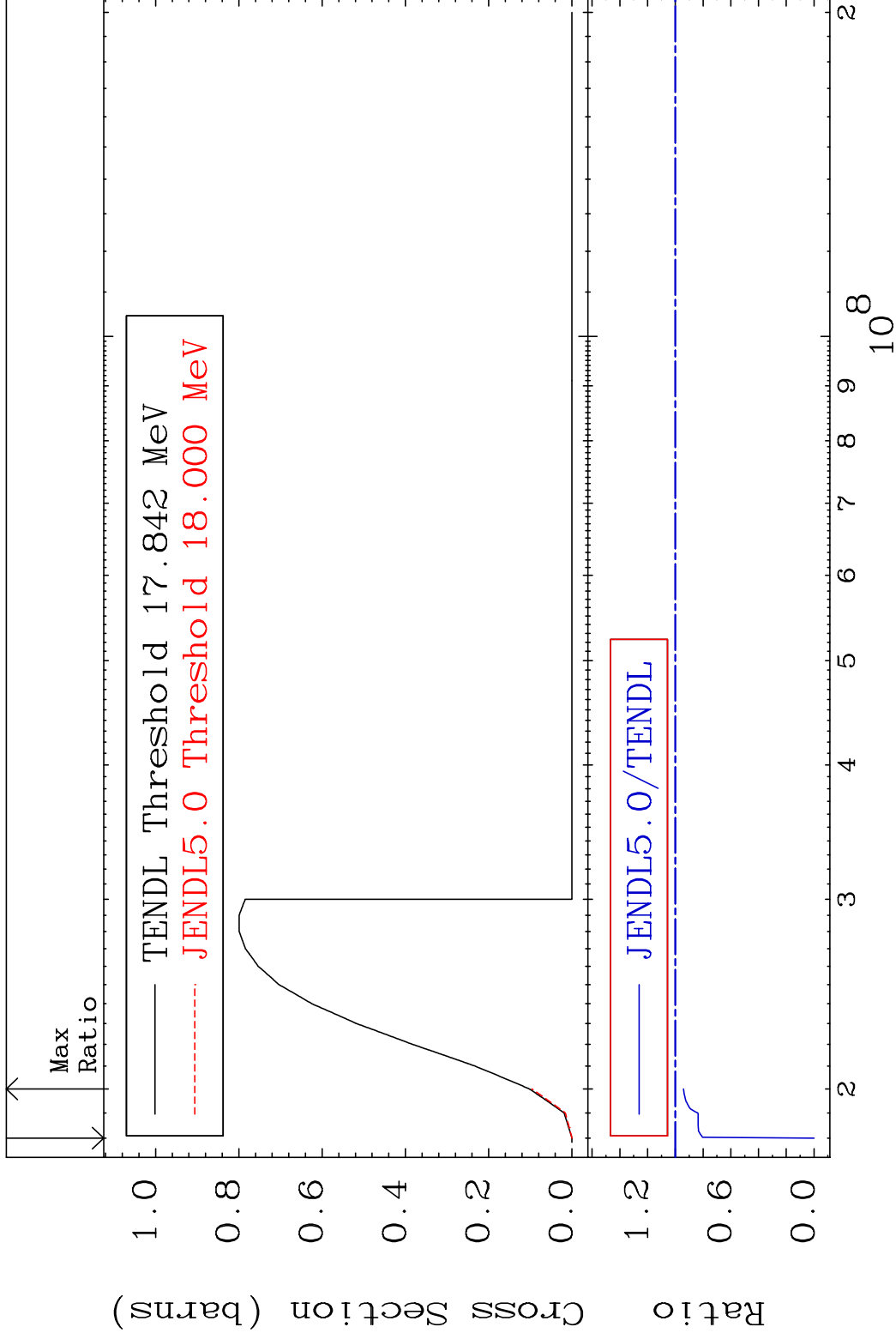
36-Kr-85

MAT 3646

(n,3n)

36-Kr-85

Cross Section -100.0 To -5.870%



5

Incident Energy (eV)

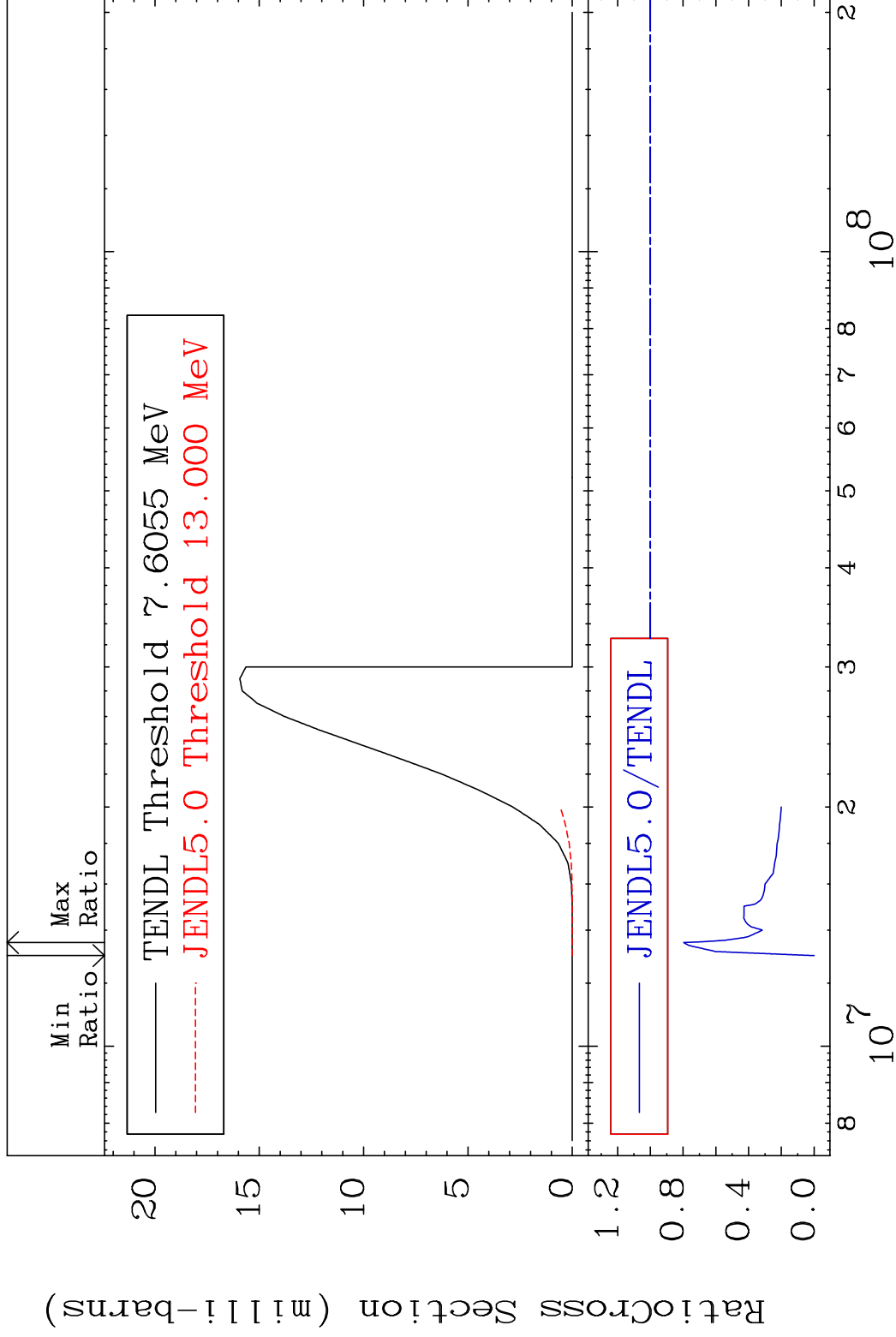
36-Kr-85

MAT 3646

(n, n') α

36-Kr-85

Cross Section -100.0 To -20.35%



6

Incident Energy (eV)

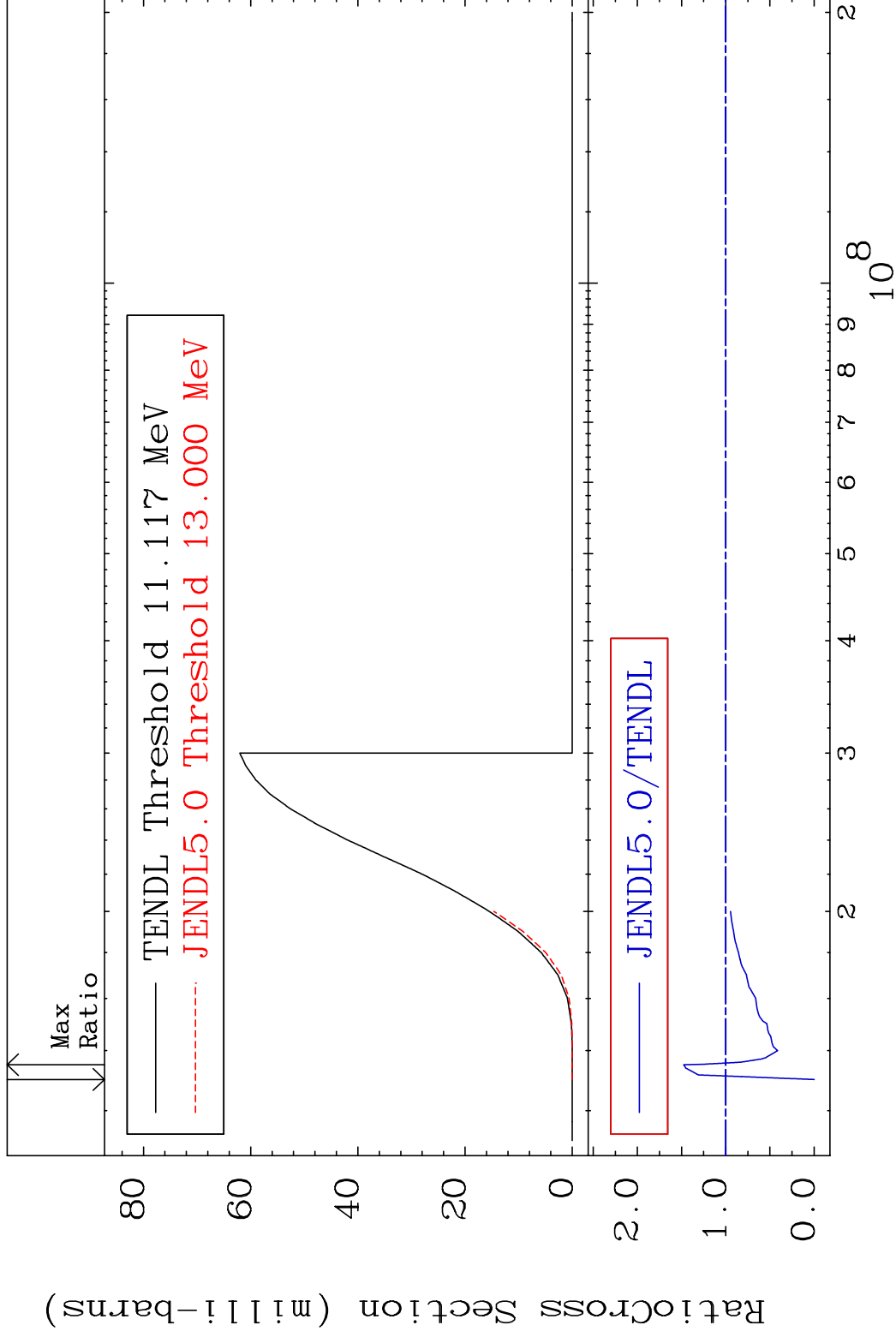
36-Kr-85

MAT 3646

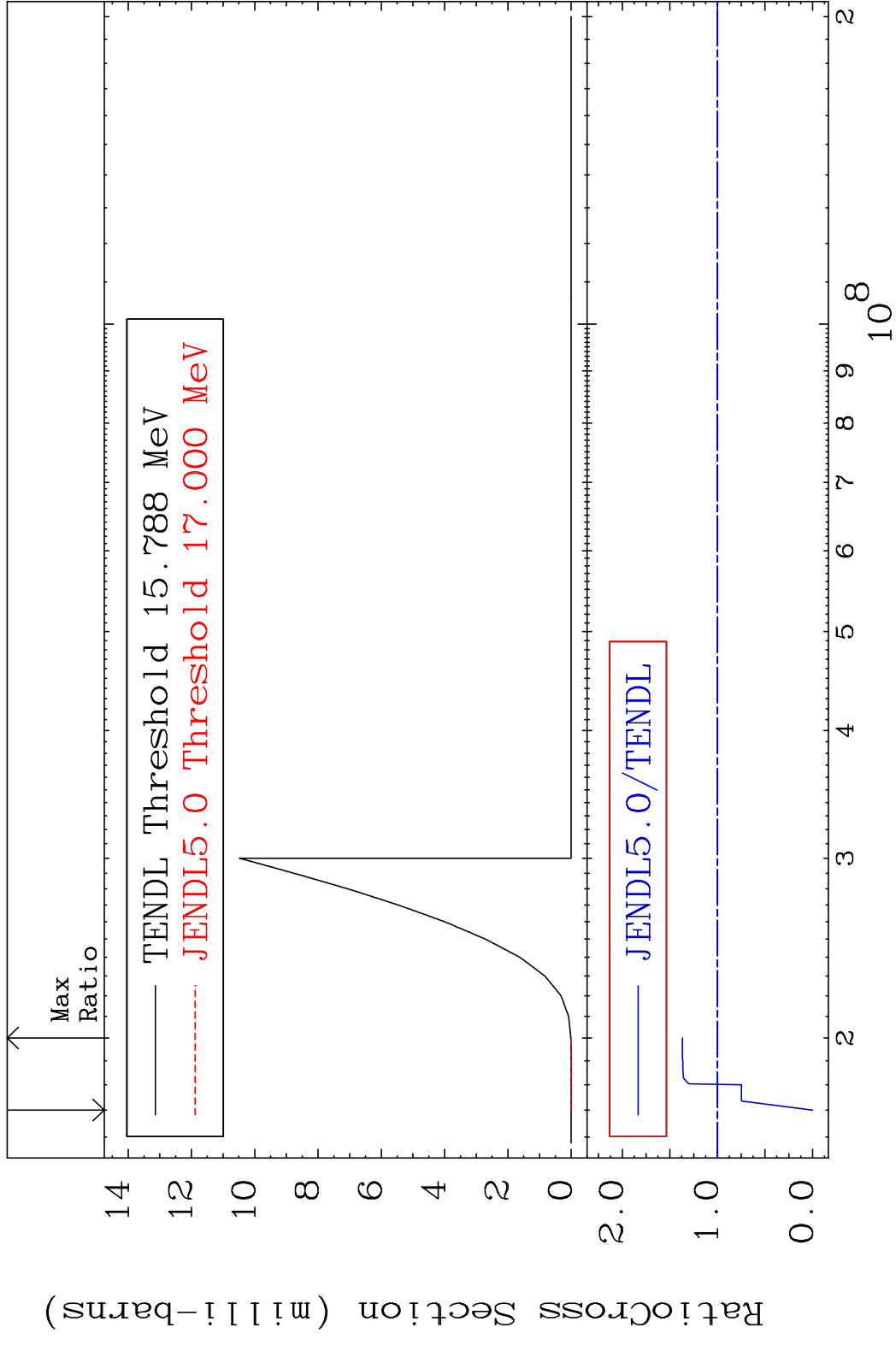
(n, n') p

36-Kr-85

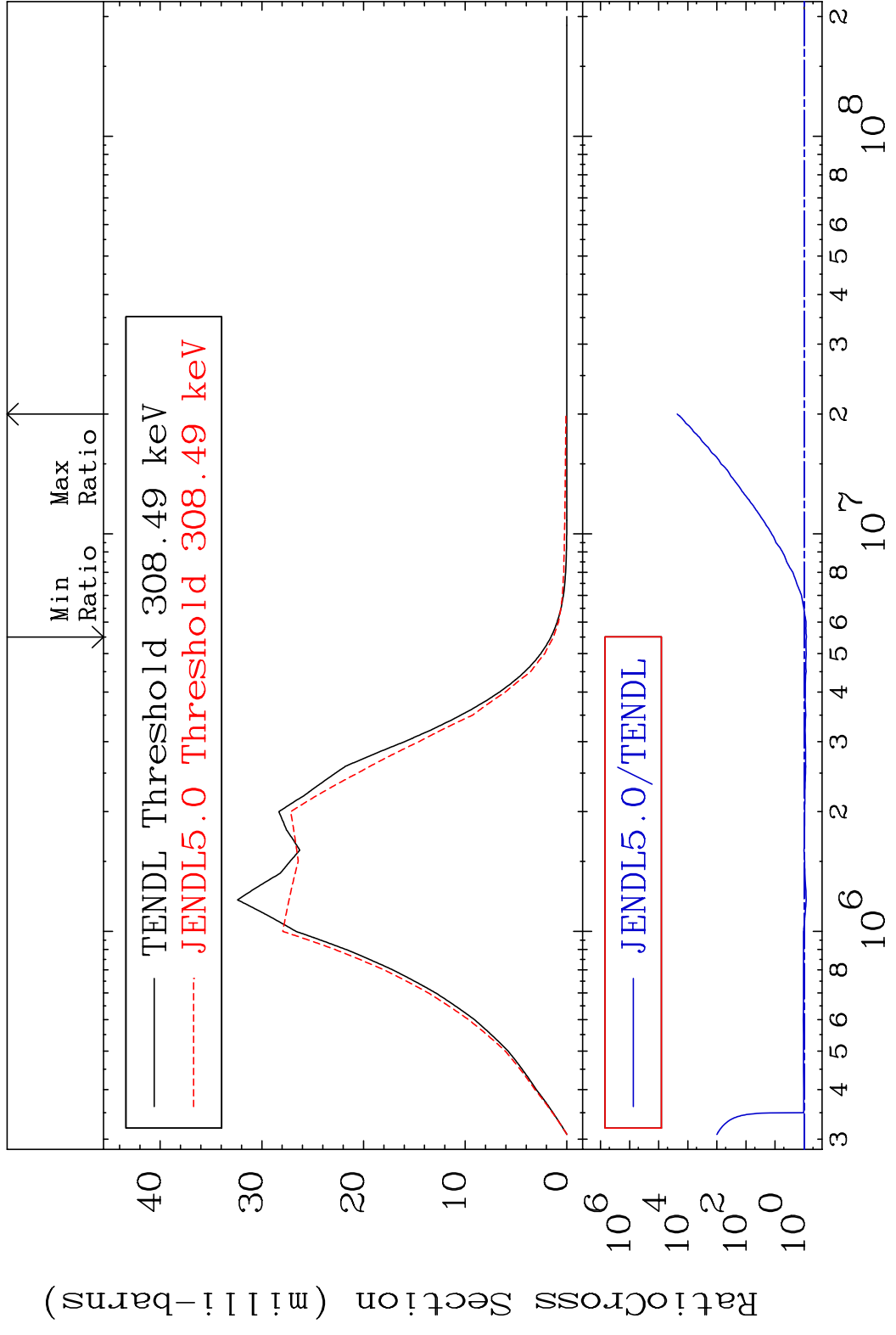
Cross Section -100.0 To 47.61 %



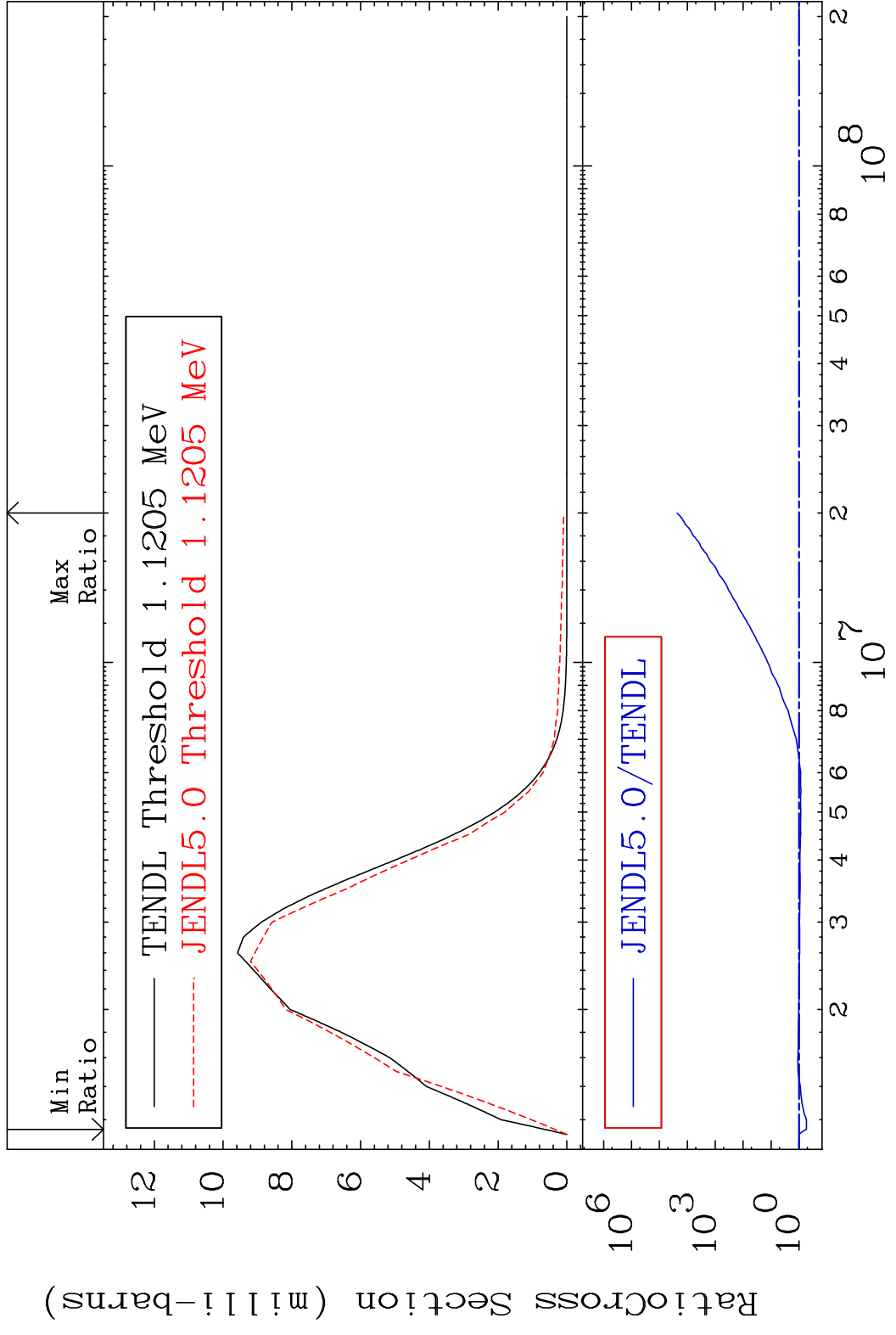
MAT 3646 (n, n') d 36-Kr-85
 Cross Section -100.0 To 36.91 %



MAT 3646 MT= 51 (n, n') Level 36-Kr-85
 Cross Section -16.08 To 9999. %

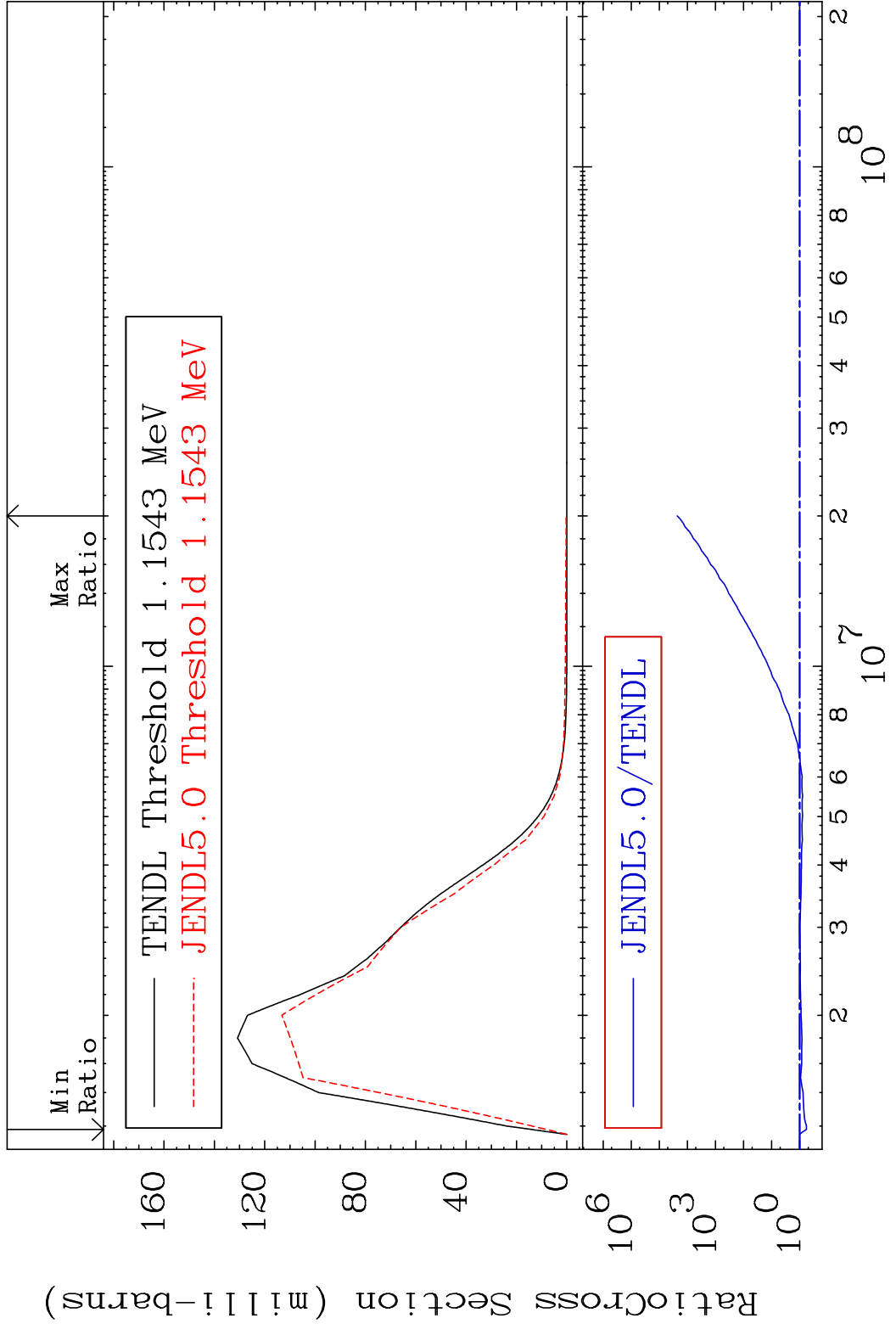


MAT 3646 MT= 52 (n, n') Level 36-Kr-85
 Cross Section -45.85 To 9999. %

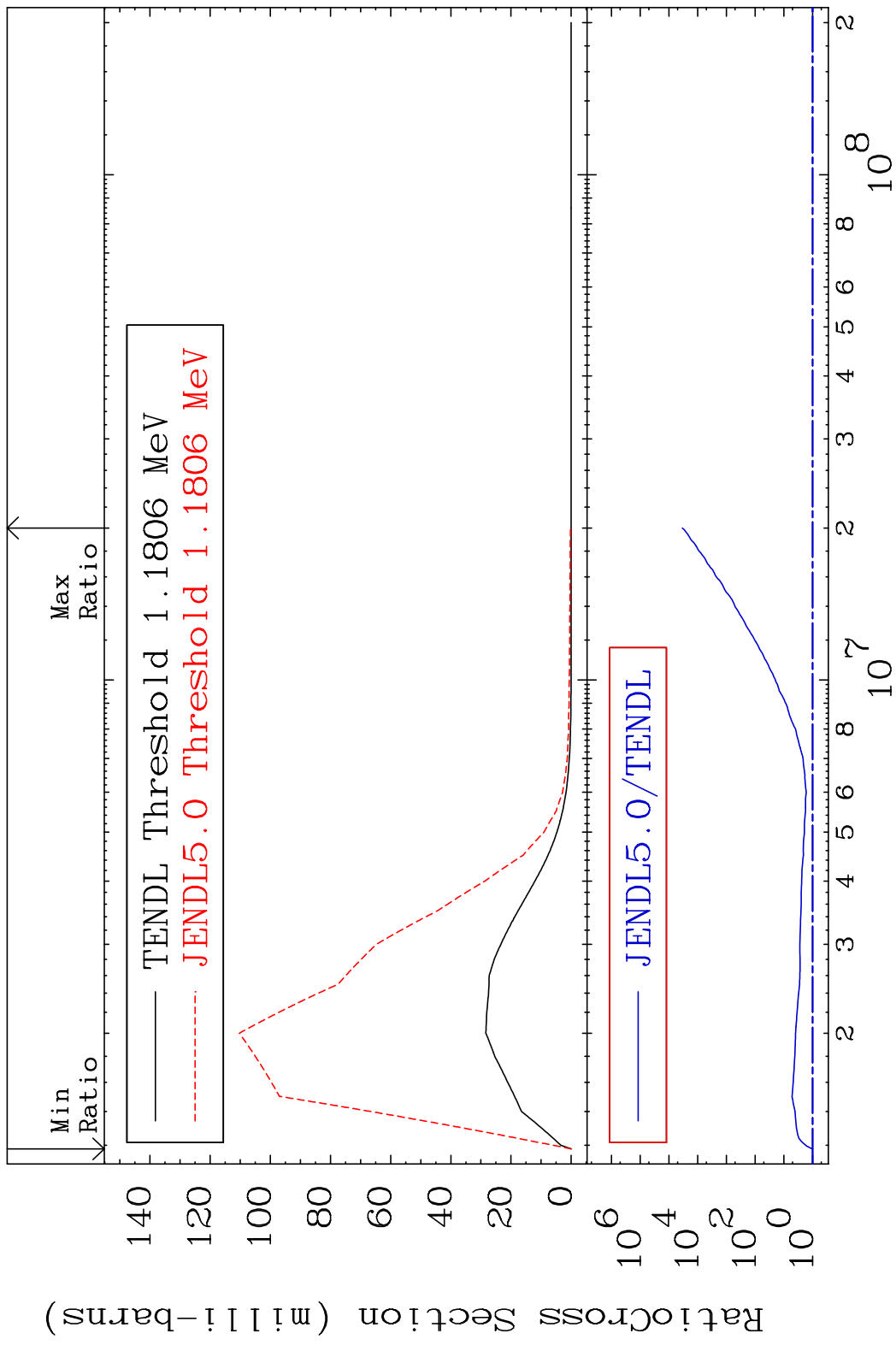


10 Incident Energy (eV) 36-Kr-85

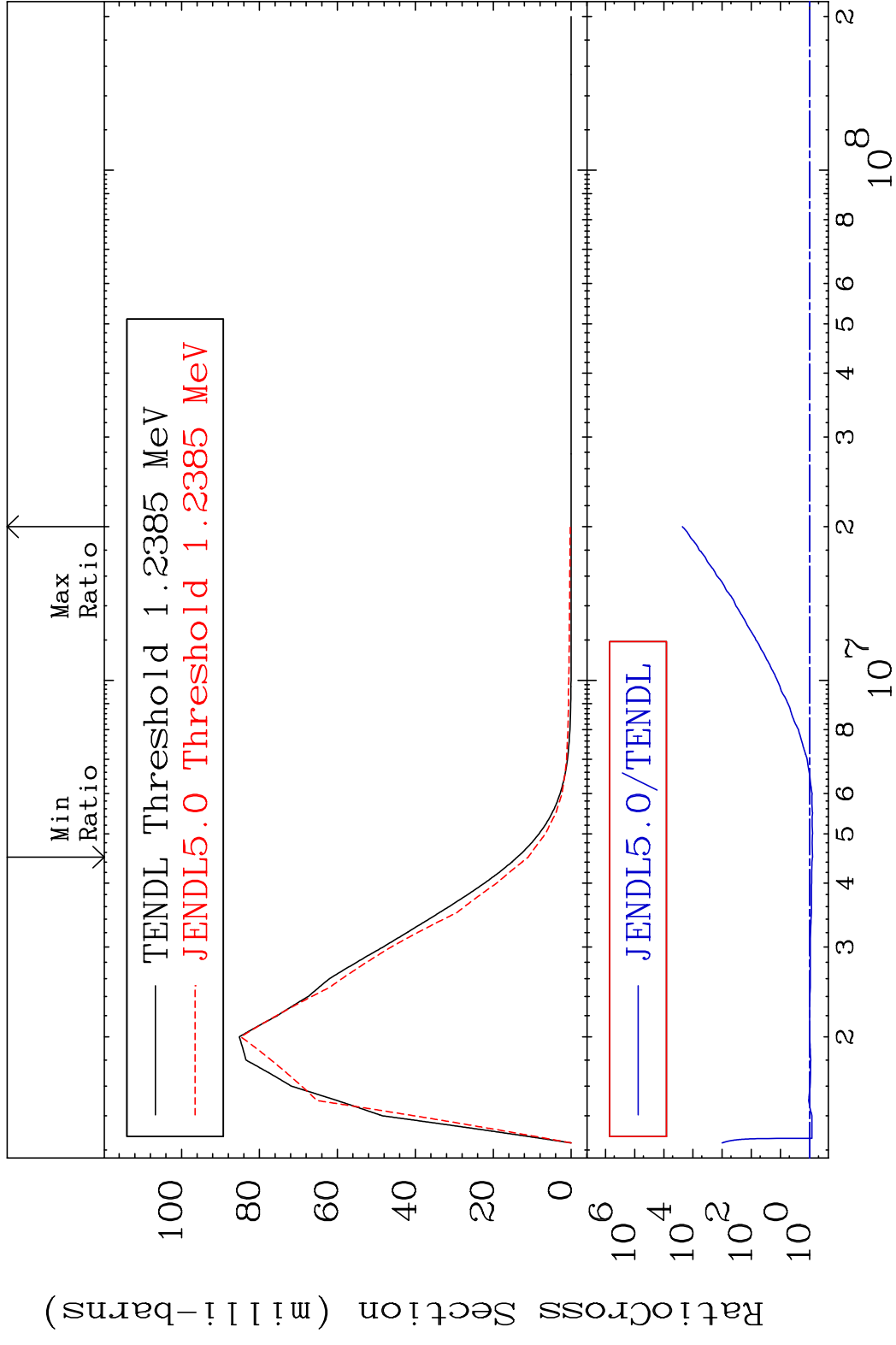
MAT 3646 MT= 53 (n, n') Level 36-Kr-85
 Cross Section -42.07 To 9999. %



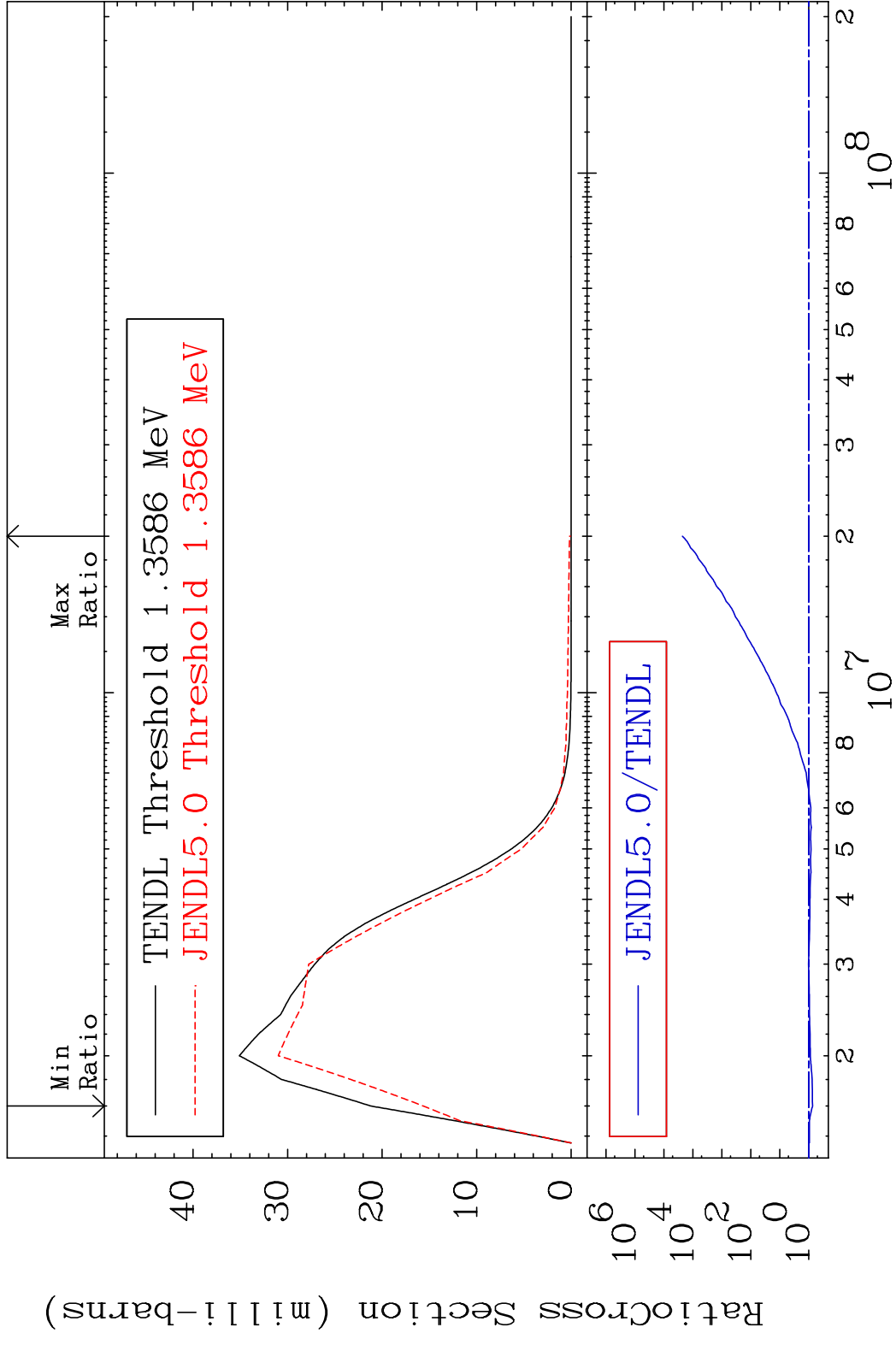
MAT 3646 MT= 54 (n, n') Level 36-Kr-85
 Cross Section 0.000 To 9999. %



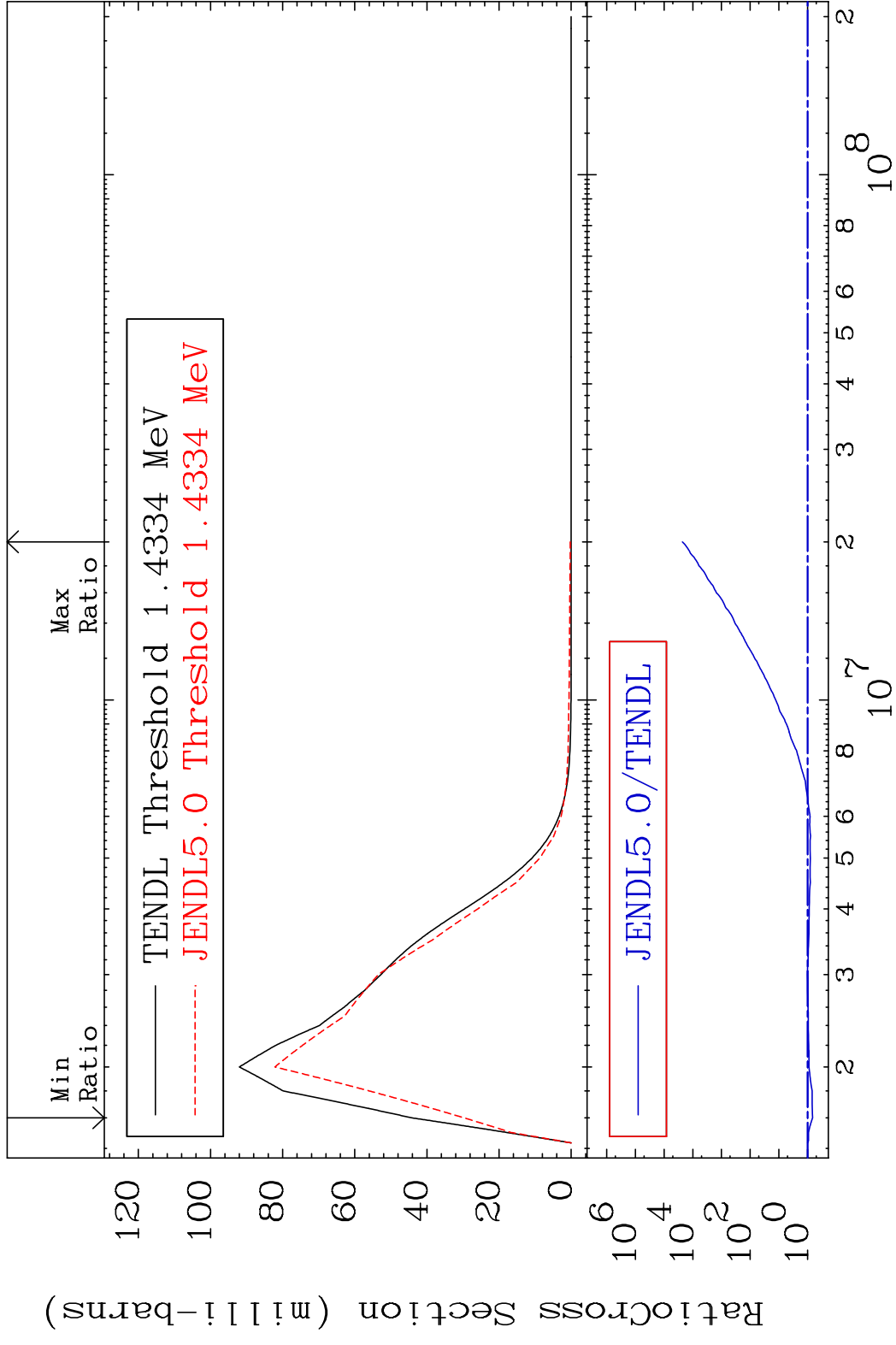
MAT 3646 MT= 55 (n, n') Level 36-Kr-85
 Cross Section -20.28 To 9999. %



MAT 3646 MT= 56 (n, n') Level 36-Kr-85
 Cross Section -26.14 To 9999. %

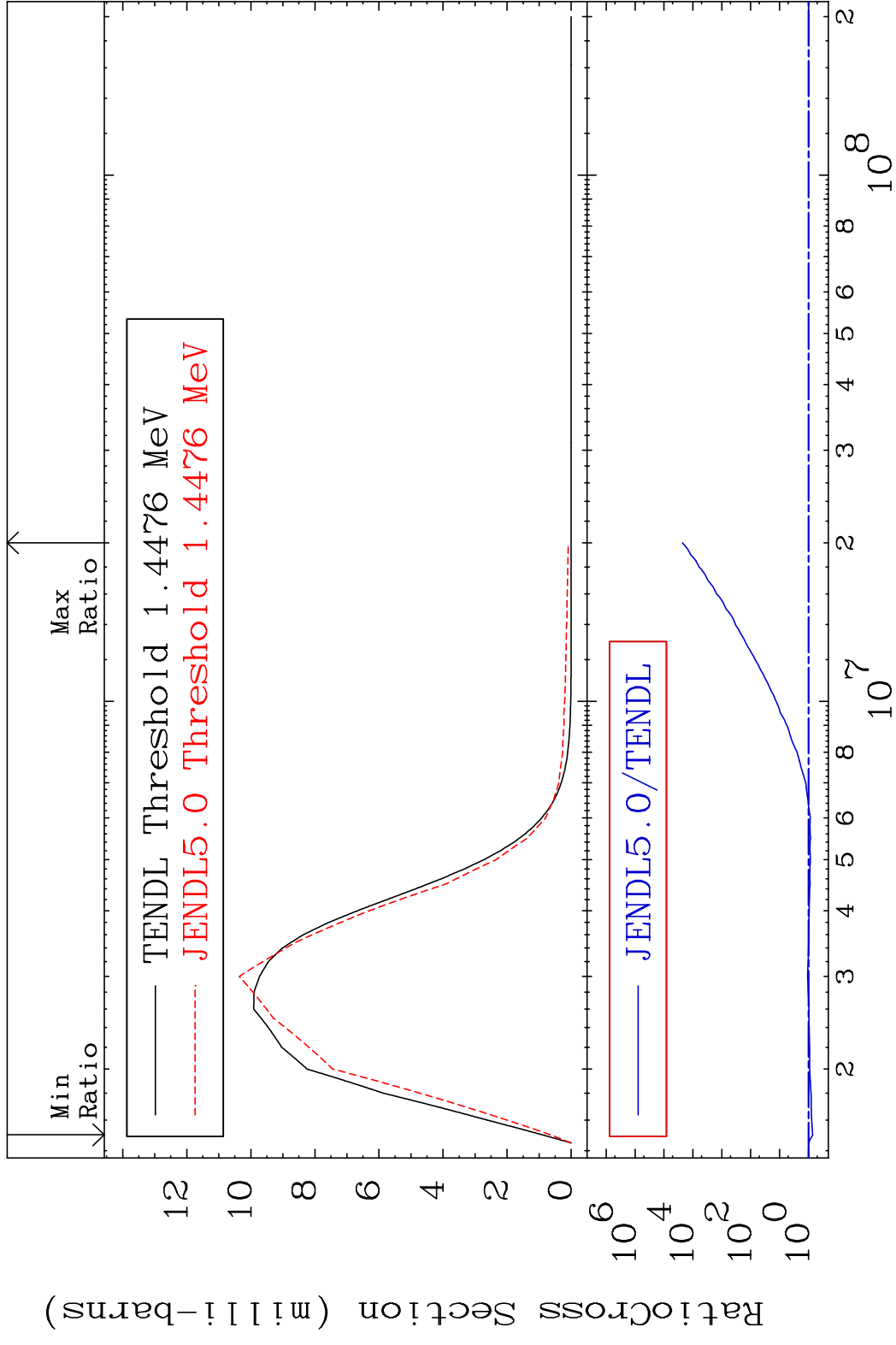


MAT 3646 MT= 57 (n, n') Level 36-Kr-85
 Cross Section -32.78 To 9999. %

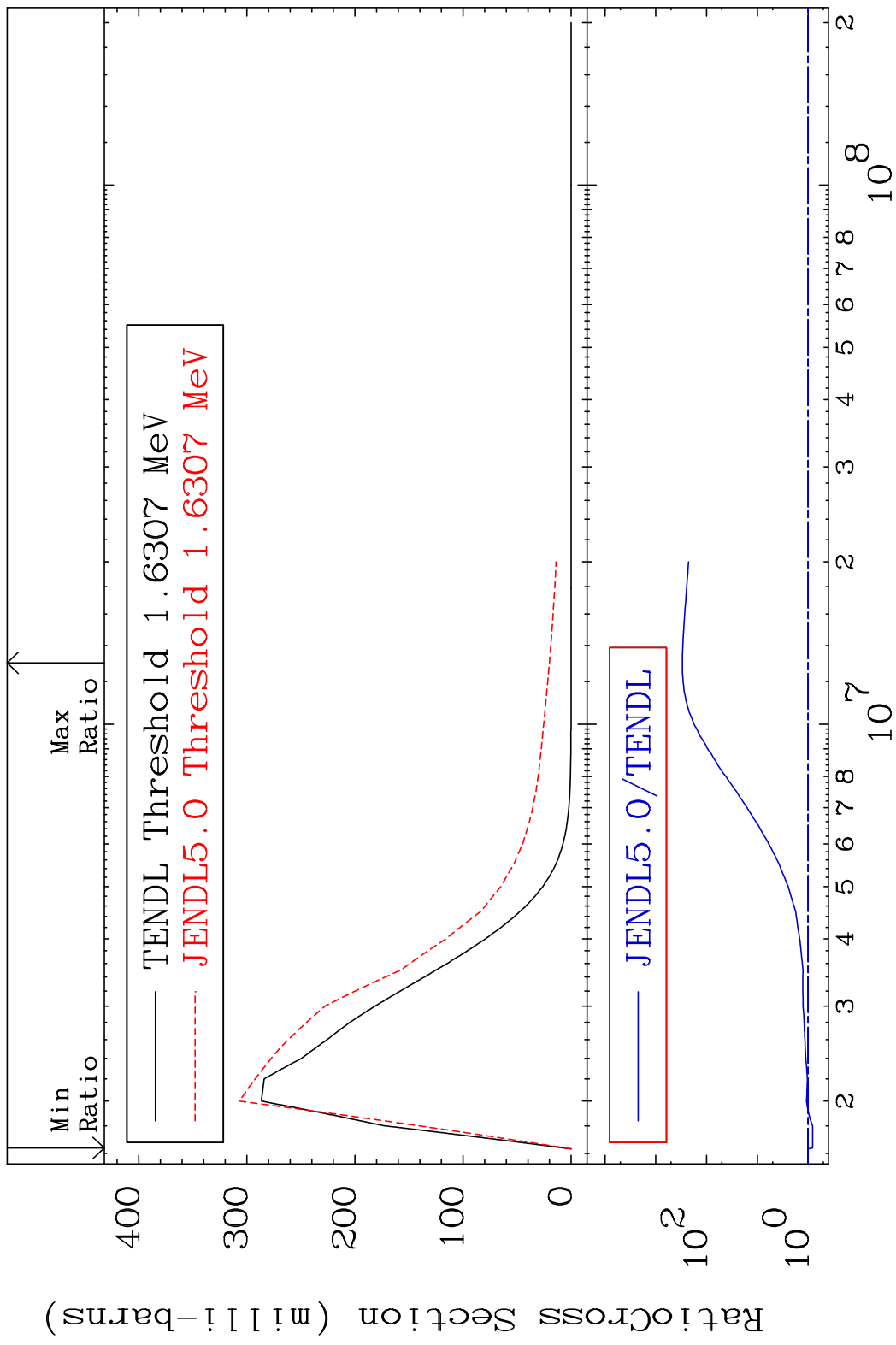


15 Incident Energy (eV) 36-Kr-85

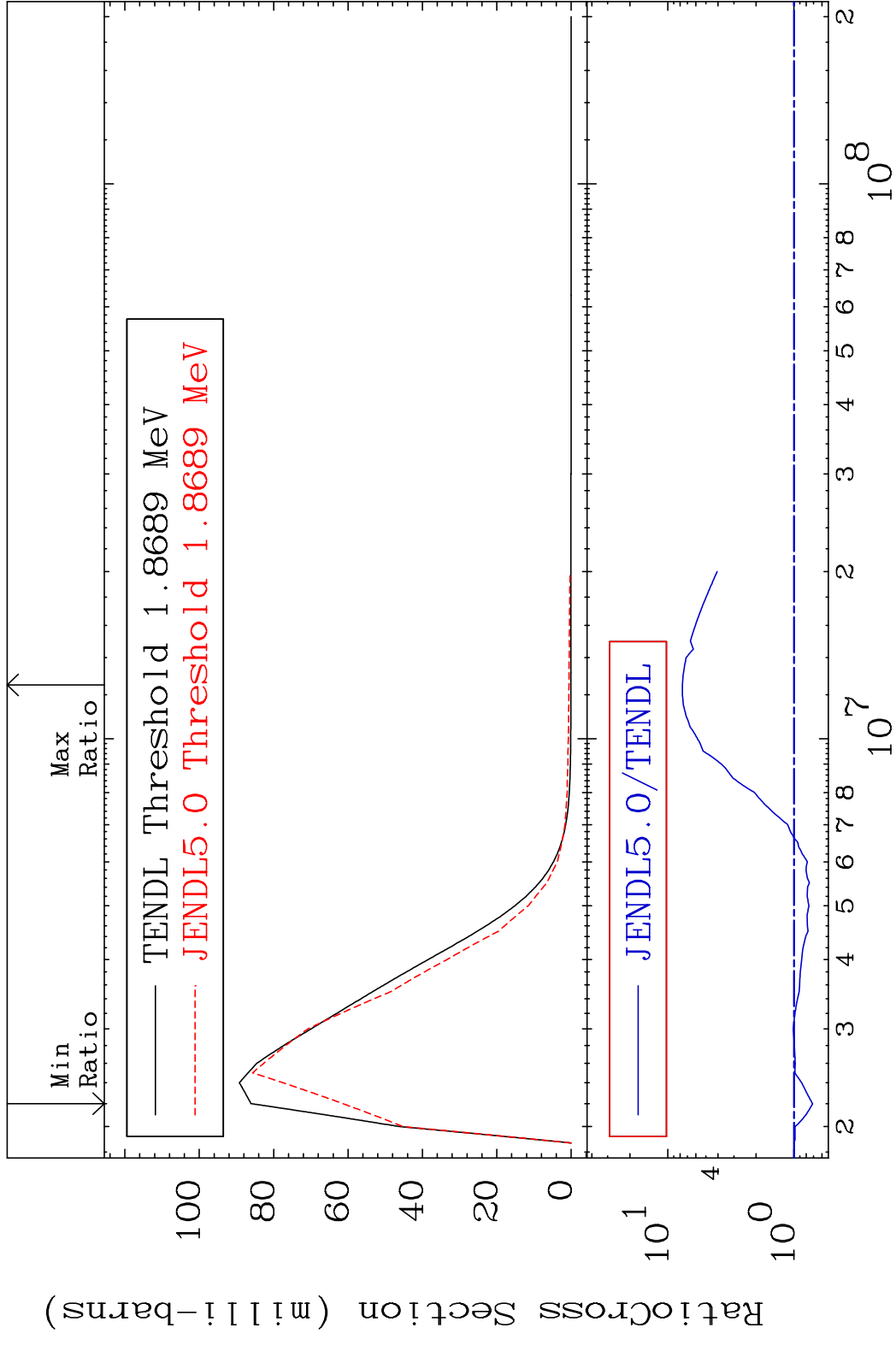
MAT 3646 MT= 58 (n, n') Level 36-Kr-85
 Cross Section -28.20 To 9999. %



MAT 3646 MT= 59 (n, n') Level 36-Kr-85
 Cross Section -18.42 To 9999. %

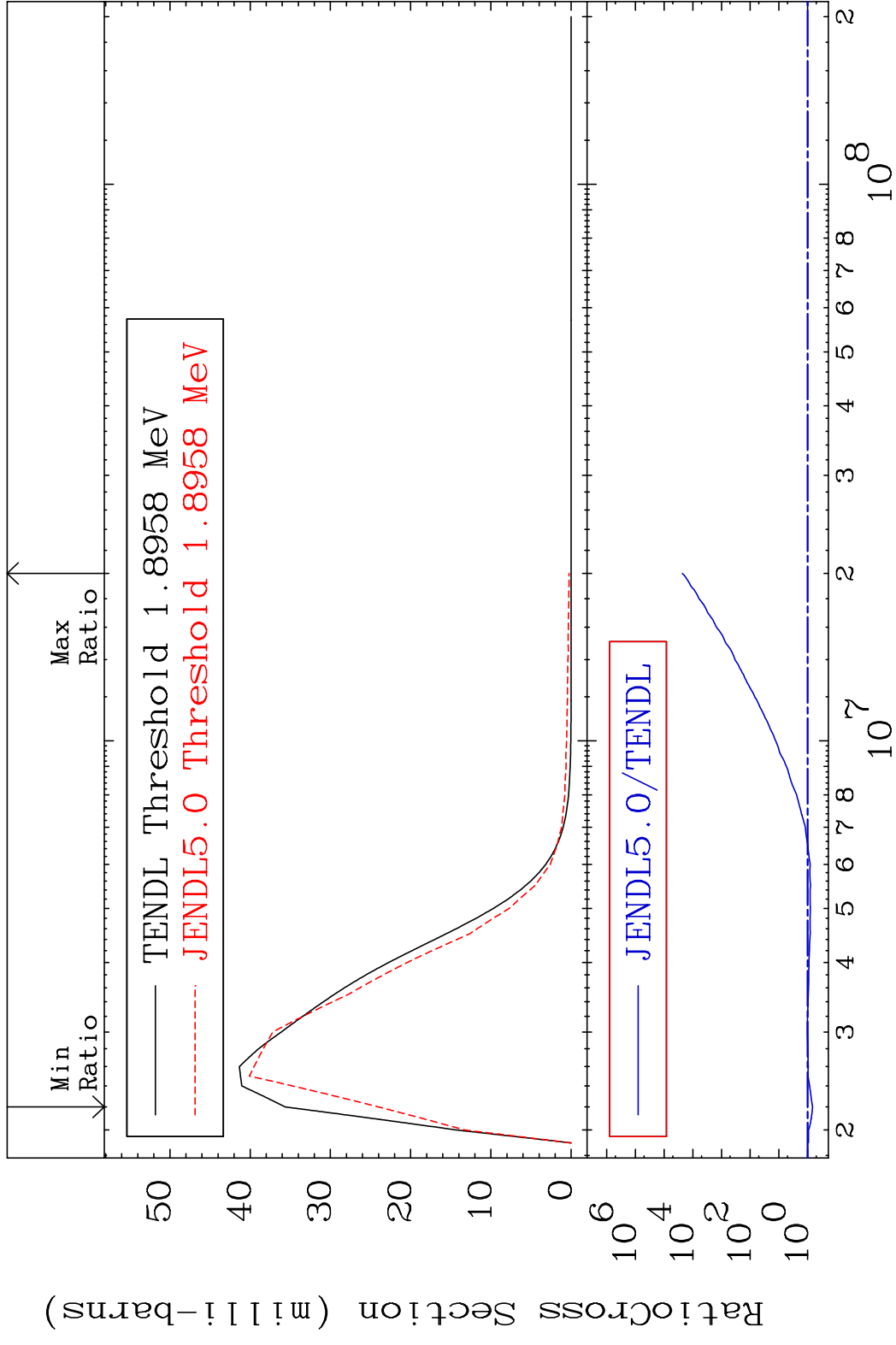


MAT 3646 MT= 60 (n, n') Level 36-Kr-85
 Cross Section -28.70 To 667.5 %

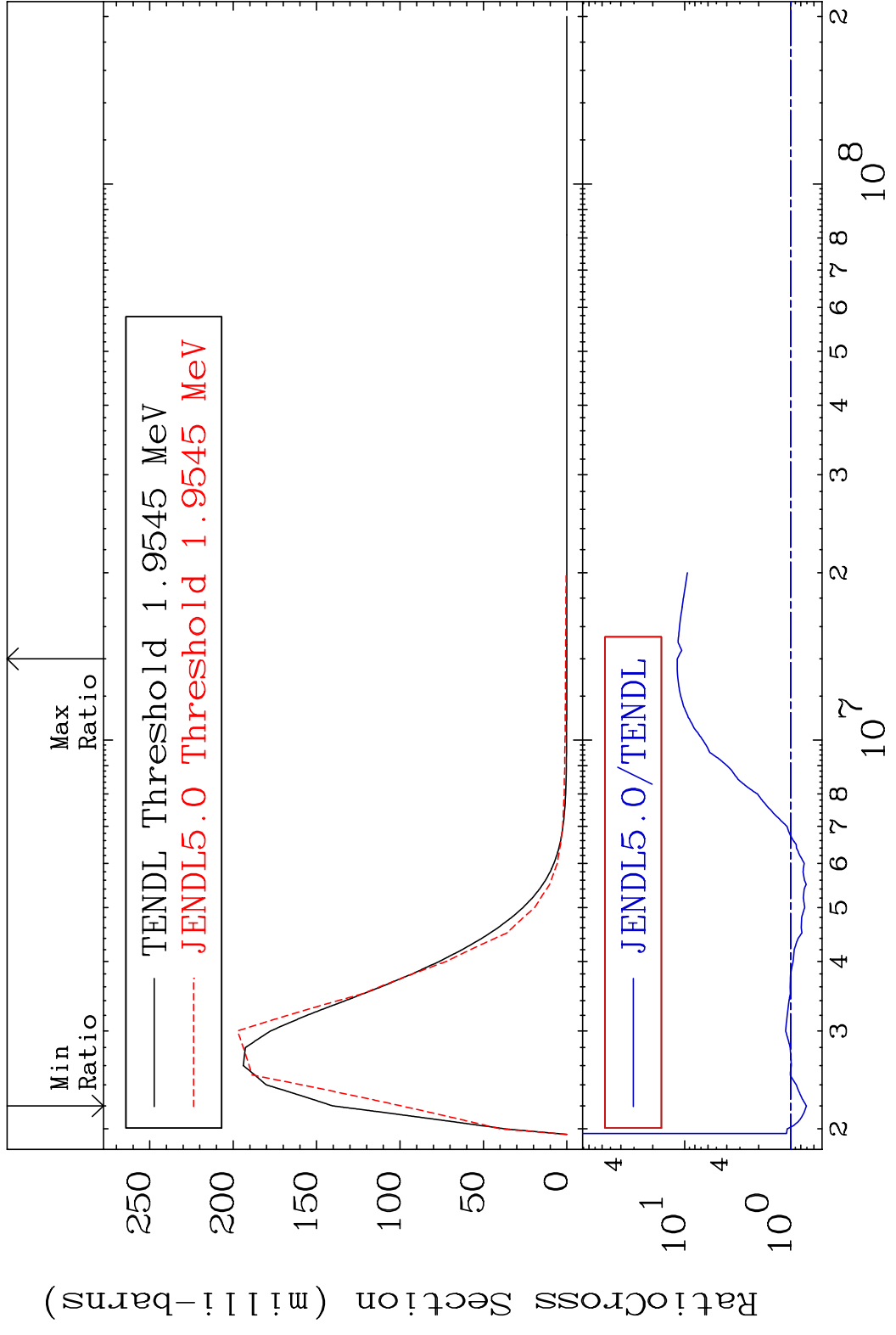


18 Incident Energy (eV) 36-Kr-85

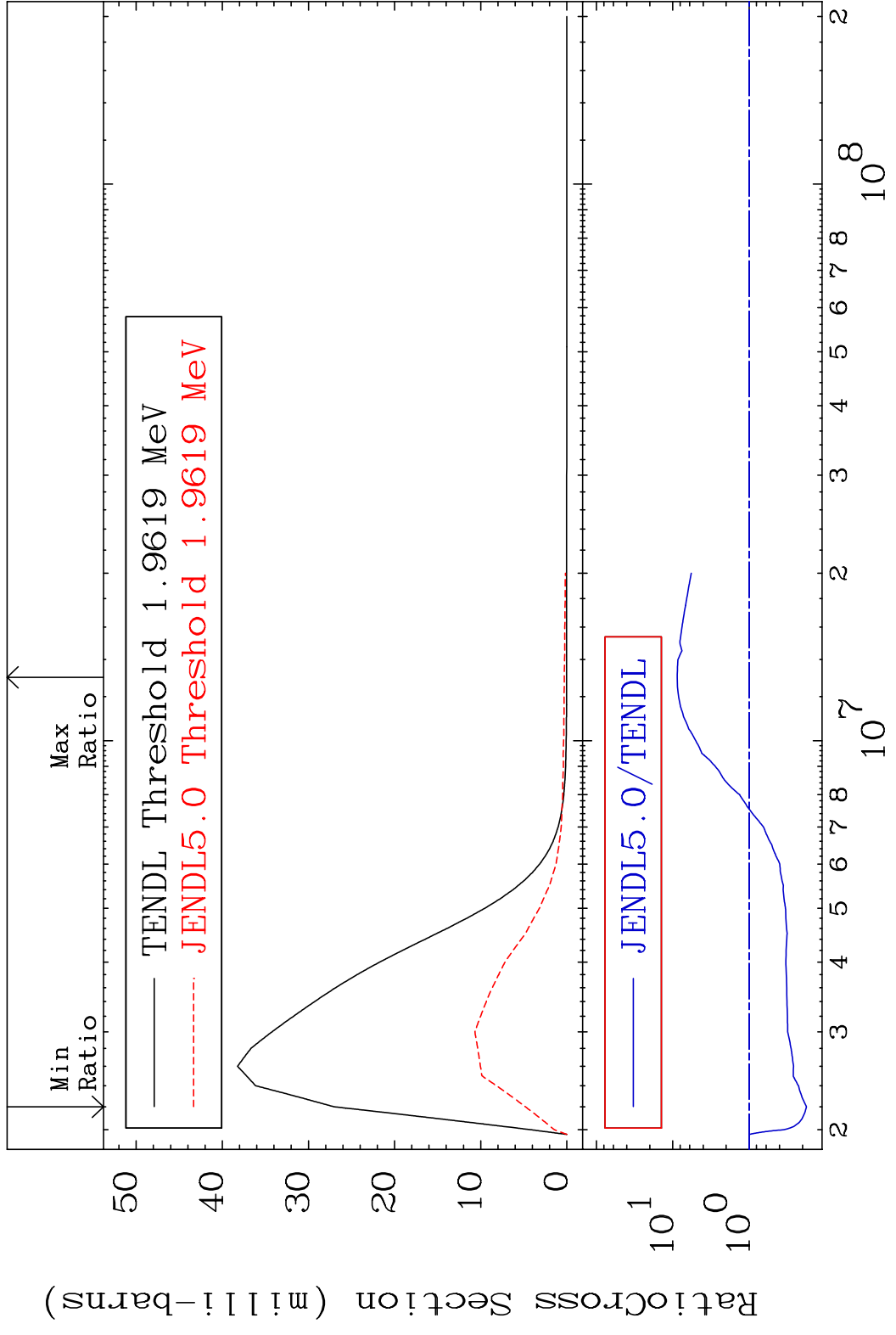
MAT 3646 MT= 61 (n, n') Level 36-Kr-85
 Cross Section -32.63 To 9999. %



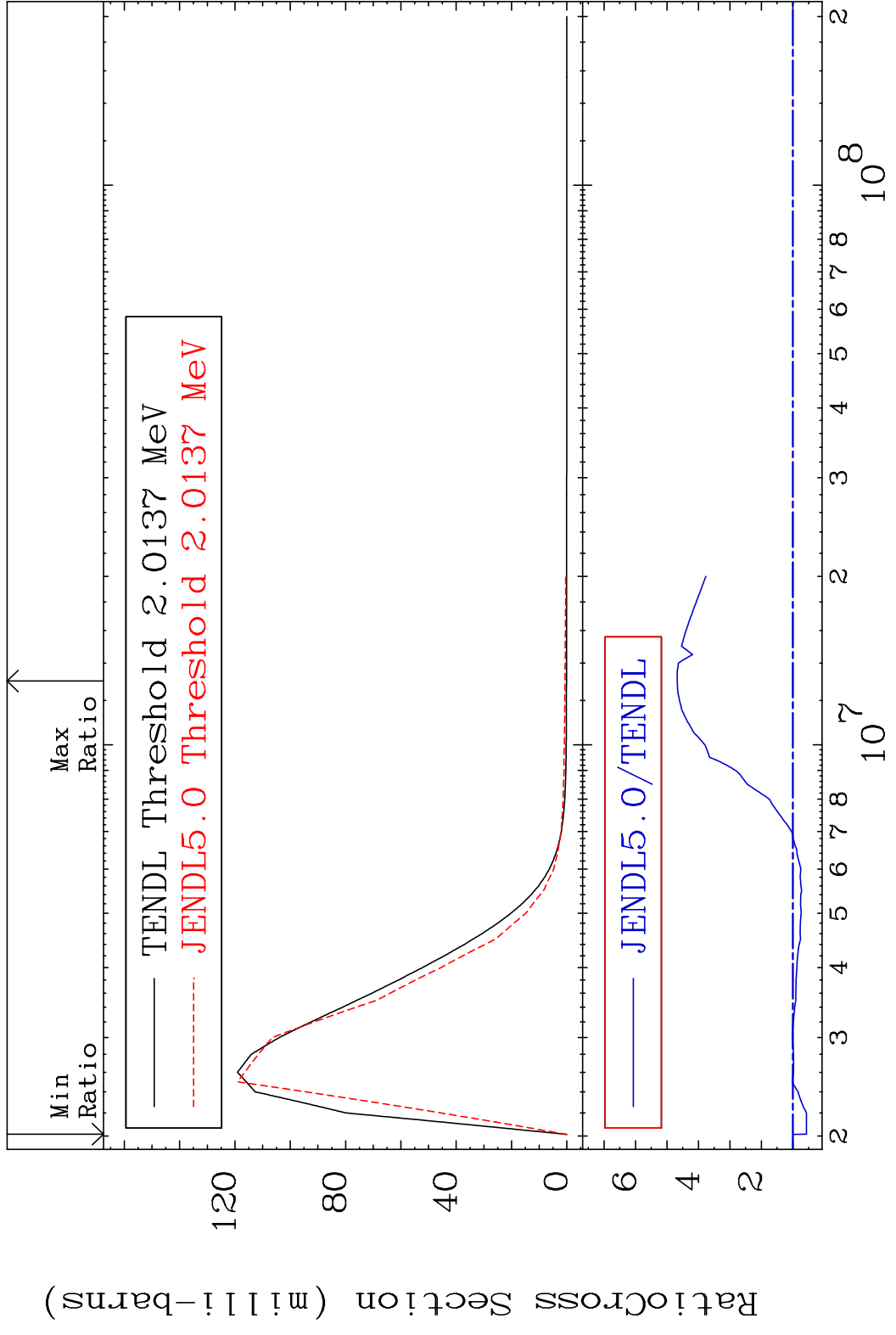
MAT 3646 MT= 62 (n, n') Level 36-Kr-85
 Cross Section -29.19 To 1074. %



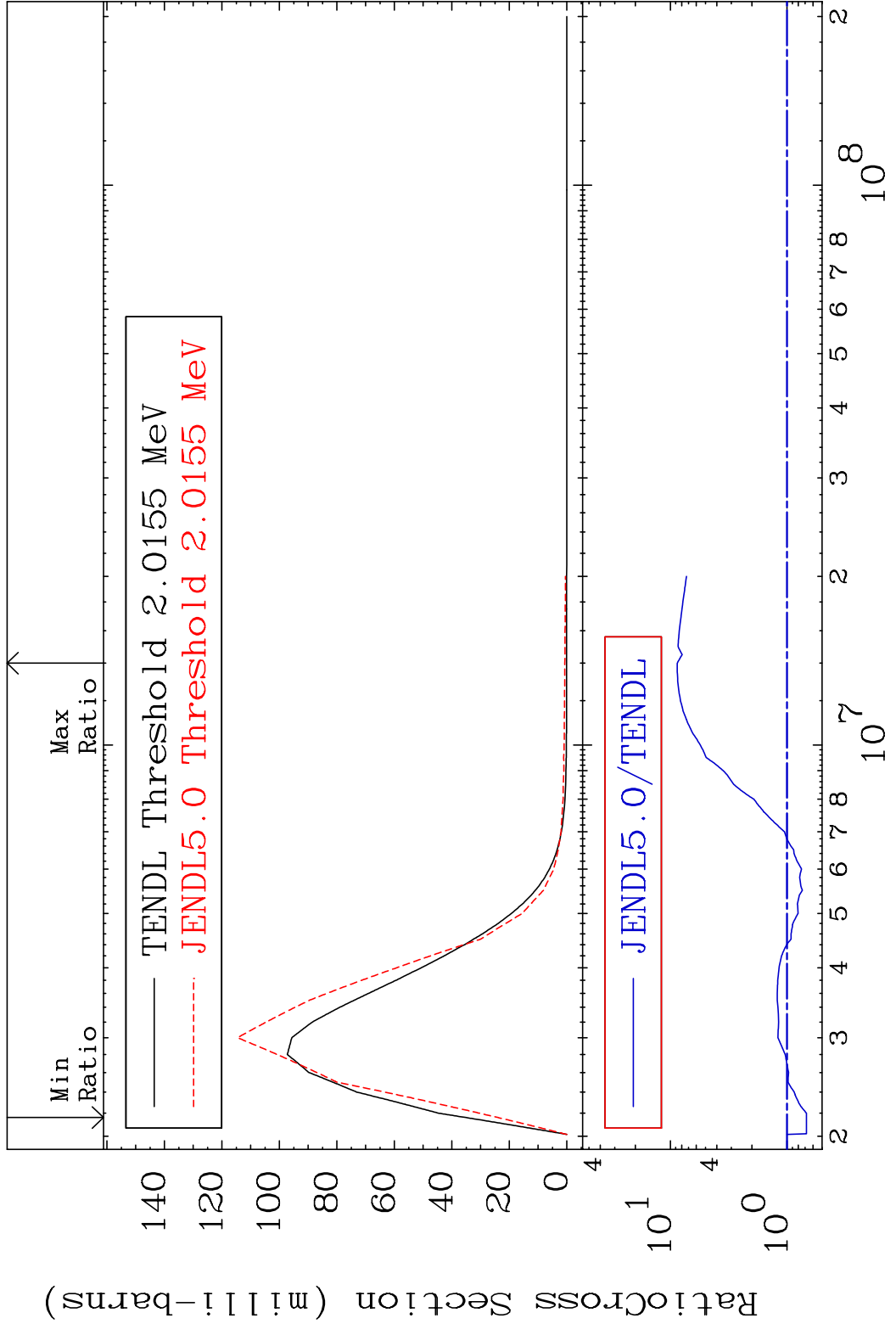
MAT 3646 MT= 63 (n, n') Level 36-Kr-85
 Cross Section -82.21 To 775.0 %



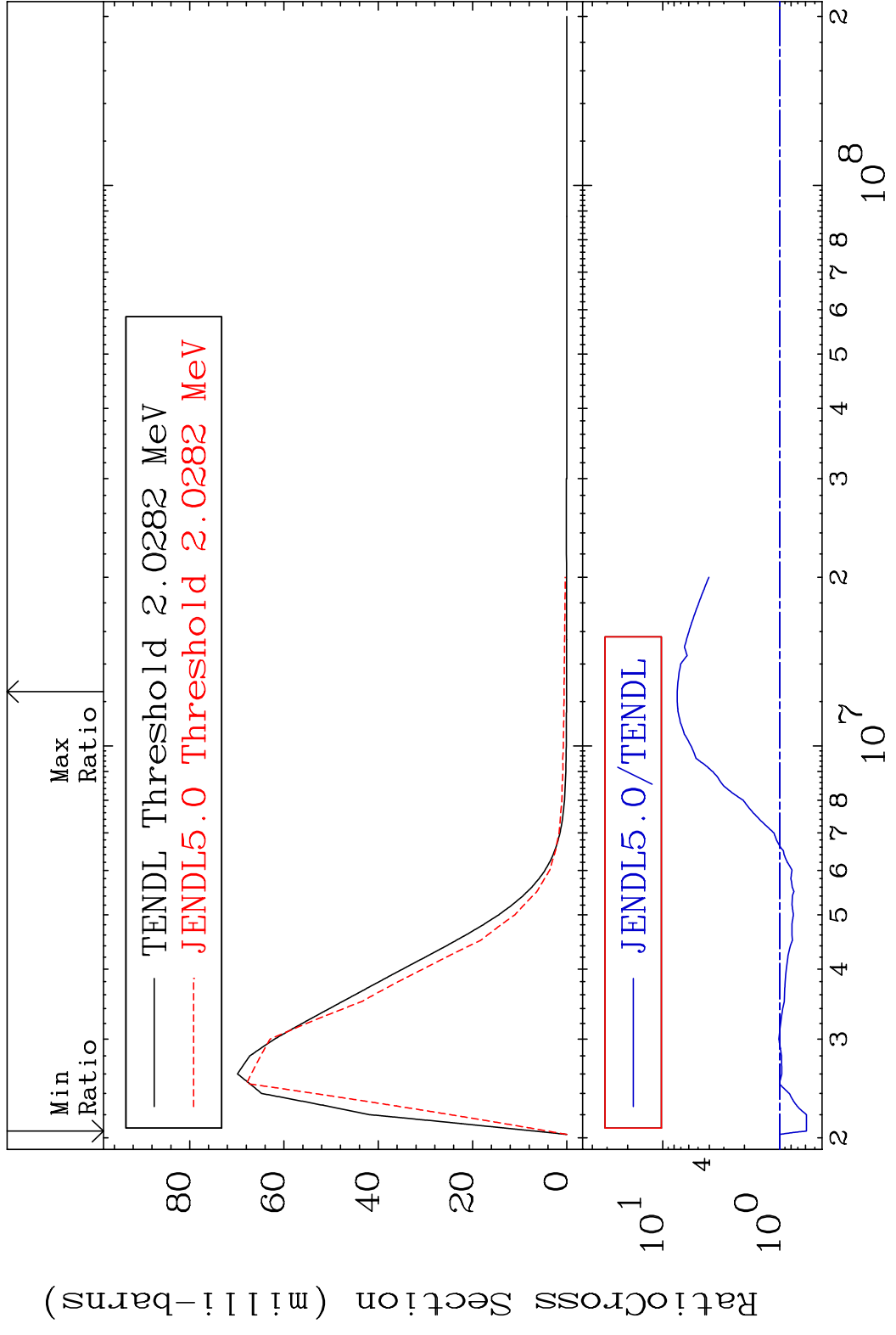
MAT 3646 MT= 64 (n, n') Level 36-Kr-85
 Cross Section -42.97 To 367.6 %



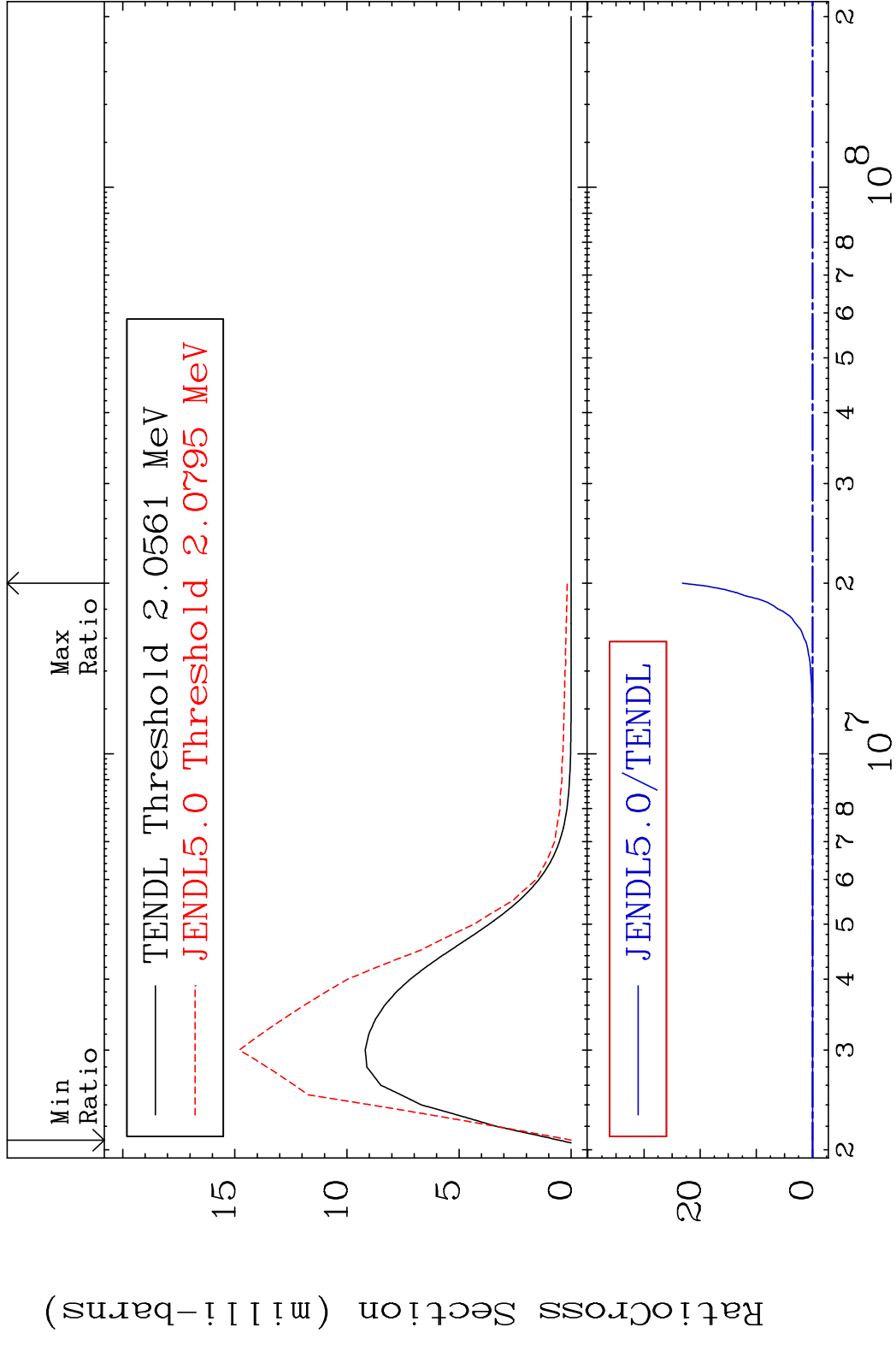
MAT 3646 MT= 65 (n, n') Level 36-Kr-85
 Cross Section -31.78 To 774.8 %



MAT 3646 MT= 66 (n, n') Level 36-Kr-85
 Cross Section -40.90 To 652.8 %

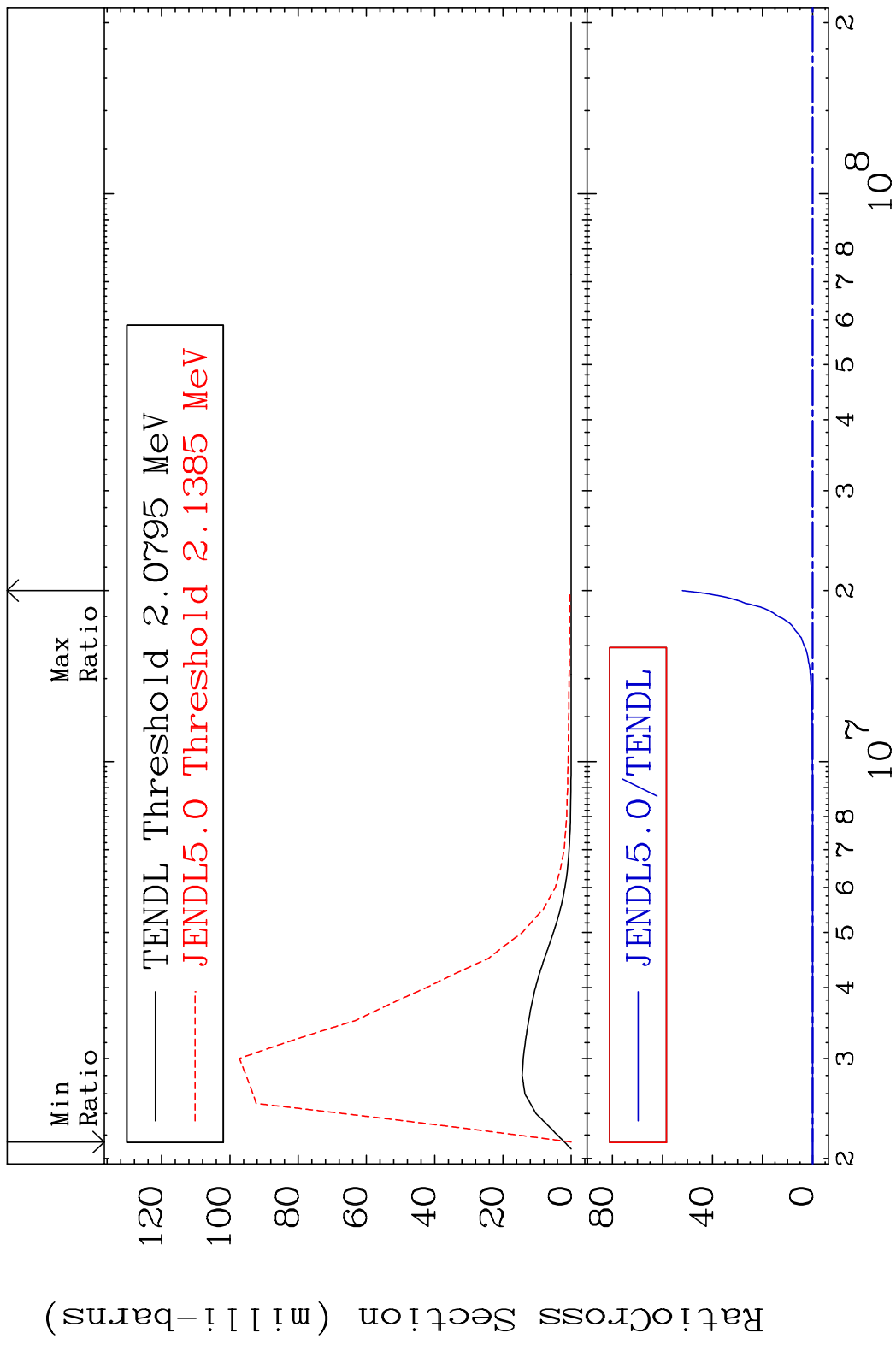


MAT 3646 MT= 67 (n, n') Level 36-Kr-85
 Cross Section -100.0 To 9999. %



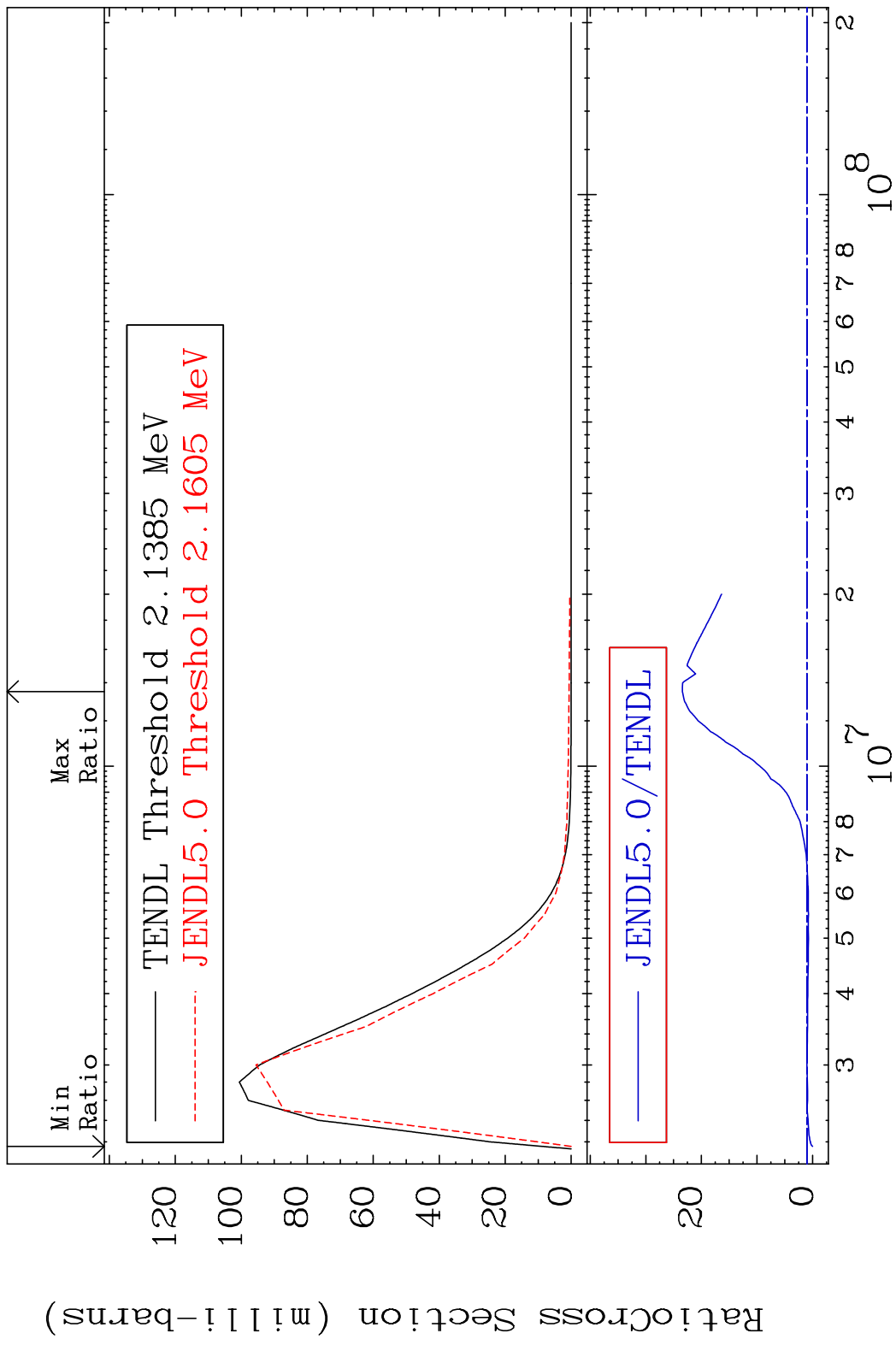
25 36-Kr-85

MAT 3646 MT= 68 (n, n') Level 36-Kr-85
 Cross Section -100.0 To 9999. %

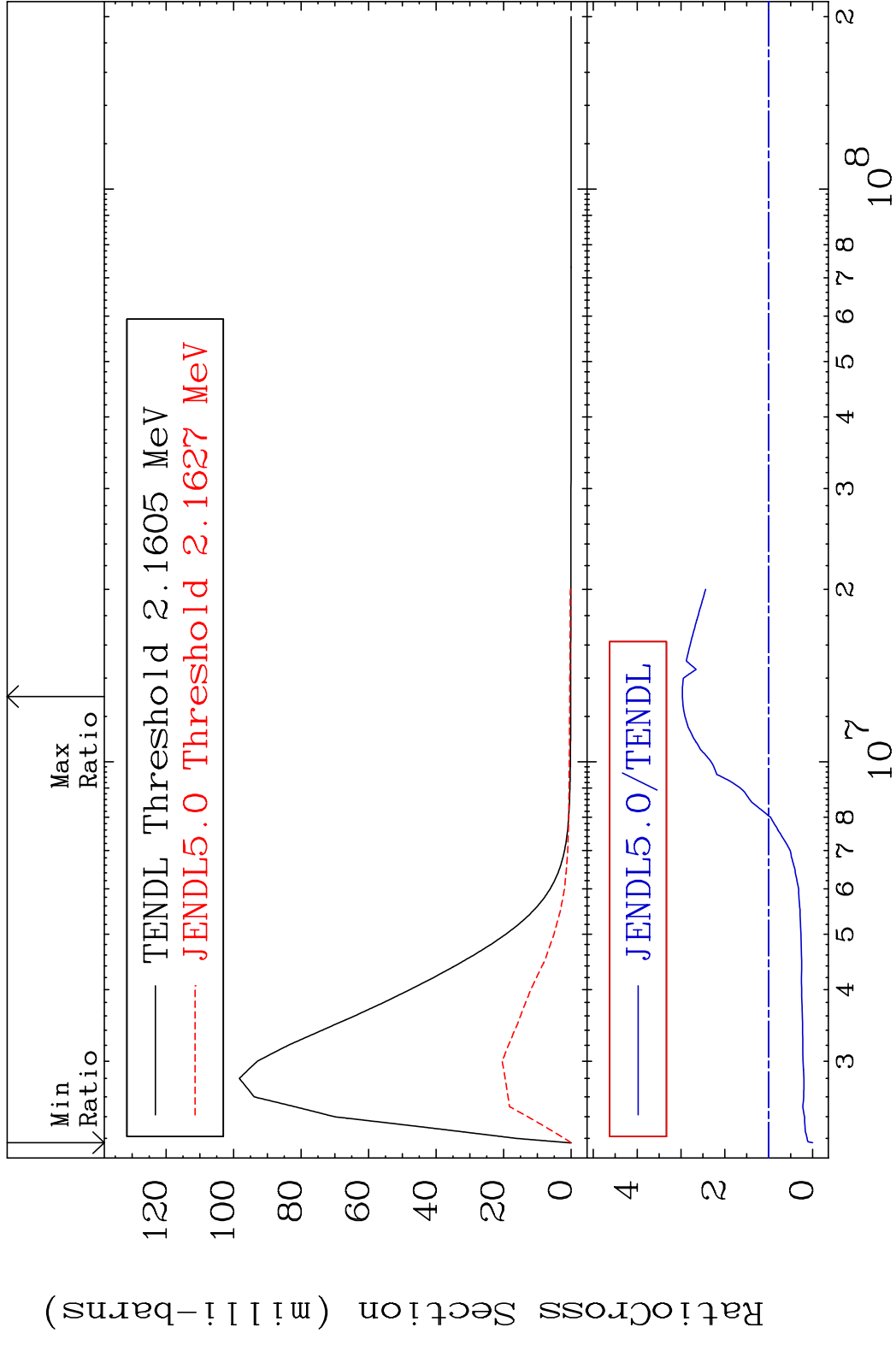


26 Incident Energy (eV) 36-Kr-85

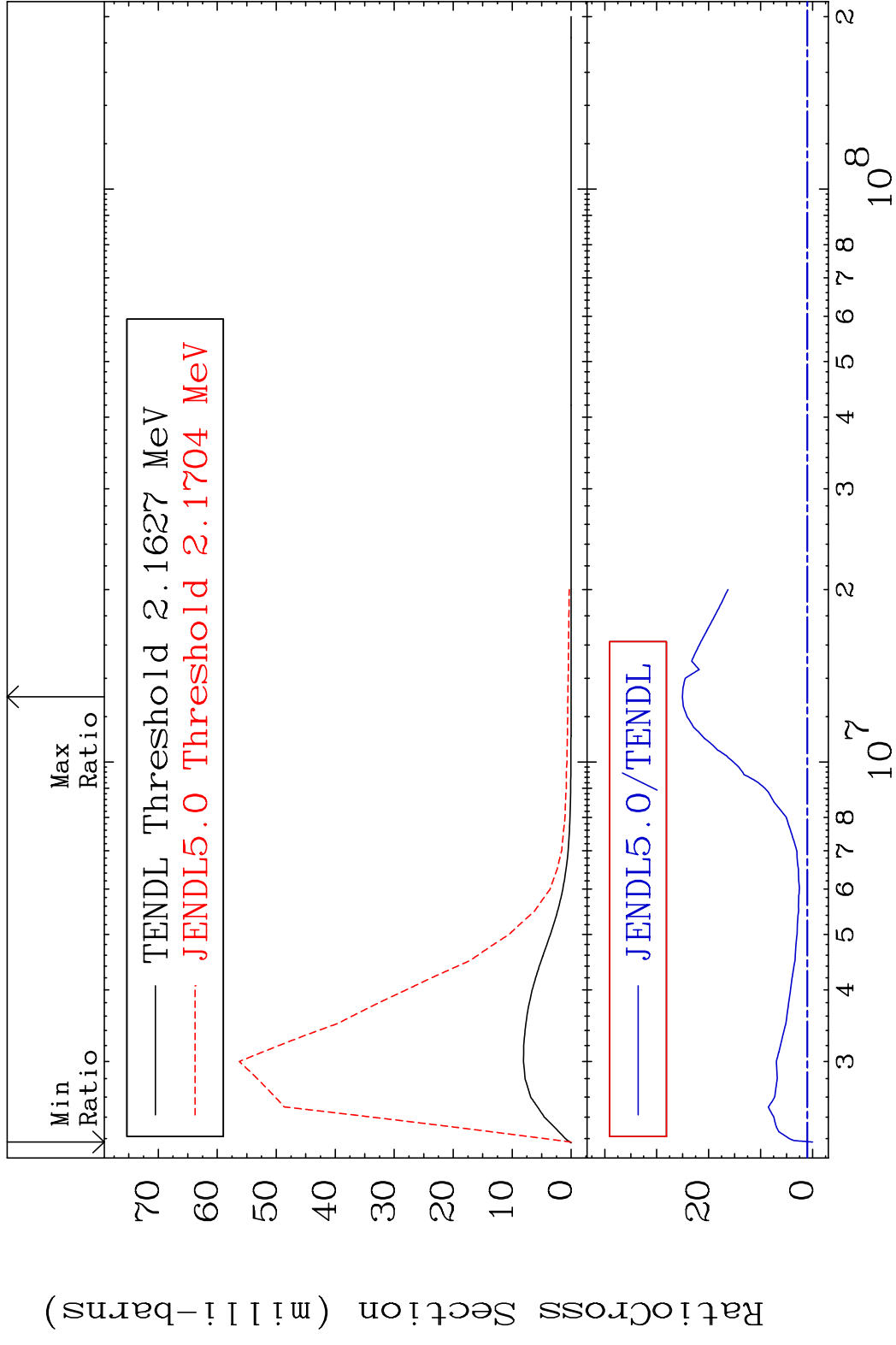
MAT 3646 MT= 69 (n, n') Level 36-Kr-85
 Cross Section -100.0 To 2242. %



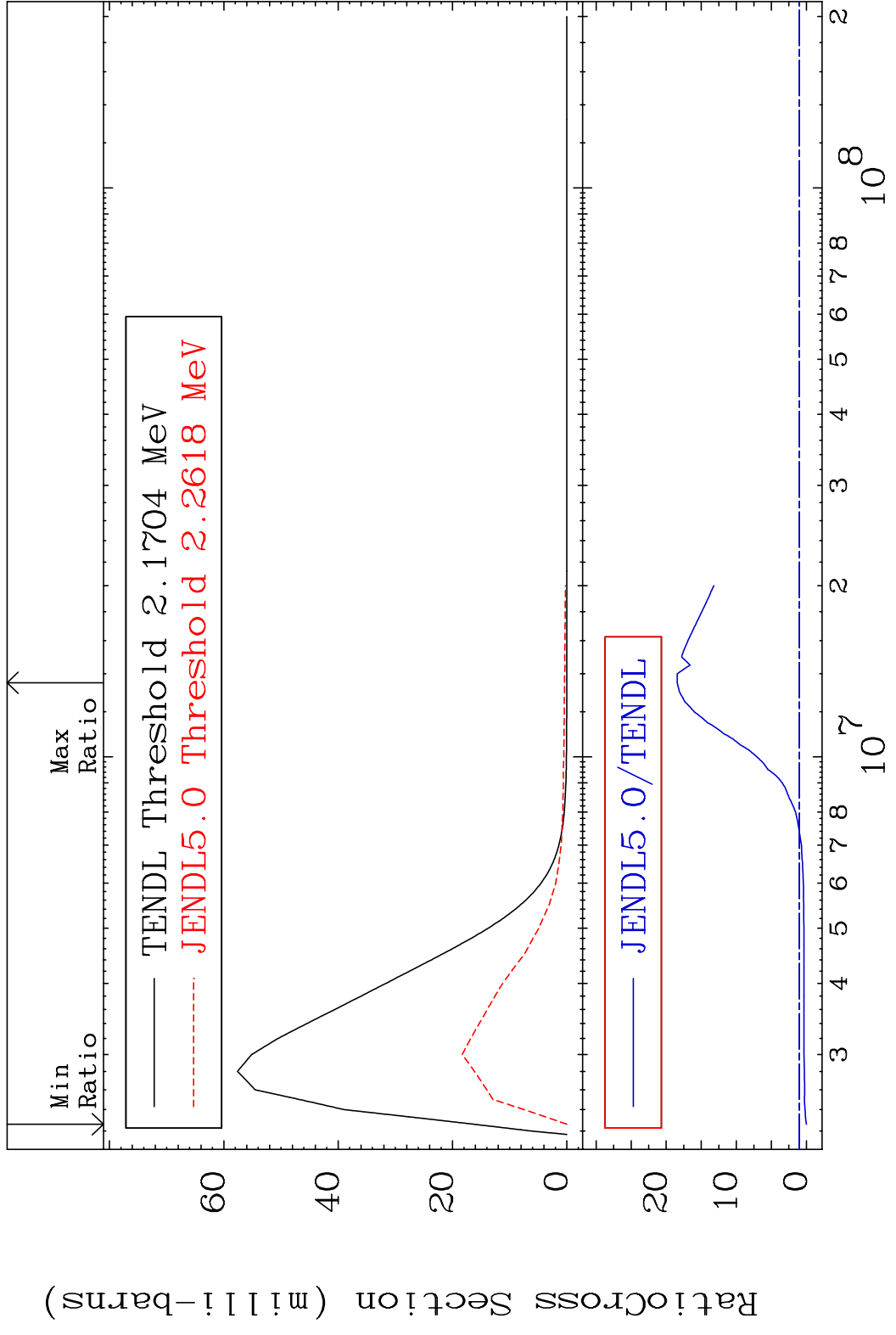
MAT 3646 MT= 70 (n, n') Level 36-Kr-85
 Cross Section -100.0 To 196.9 %



MAT 3646 MT= 71 (n, n') Level 36-Kr-85
 Cross Section -100.0 To 2406. %

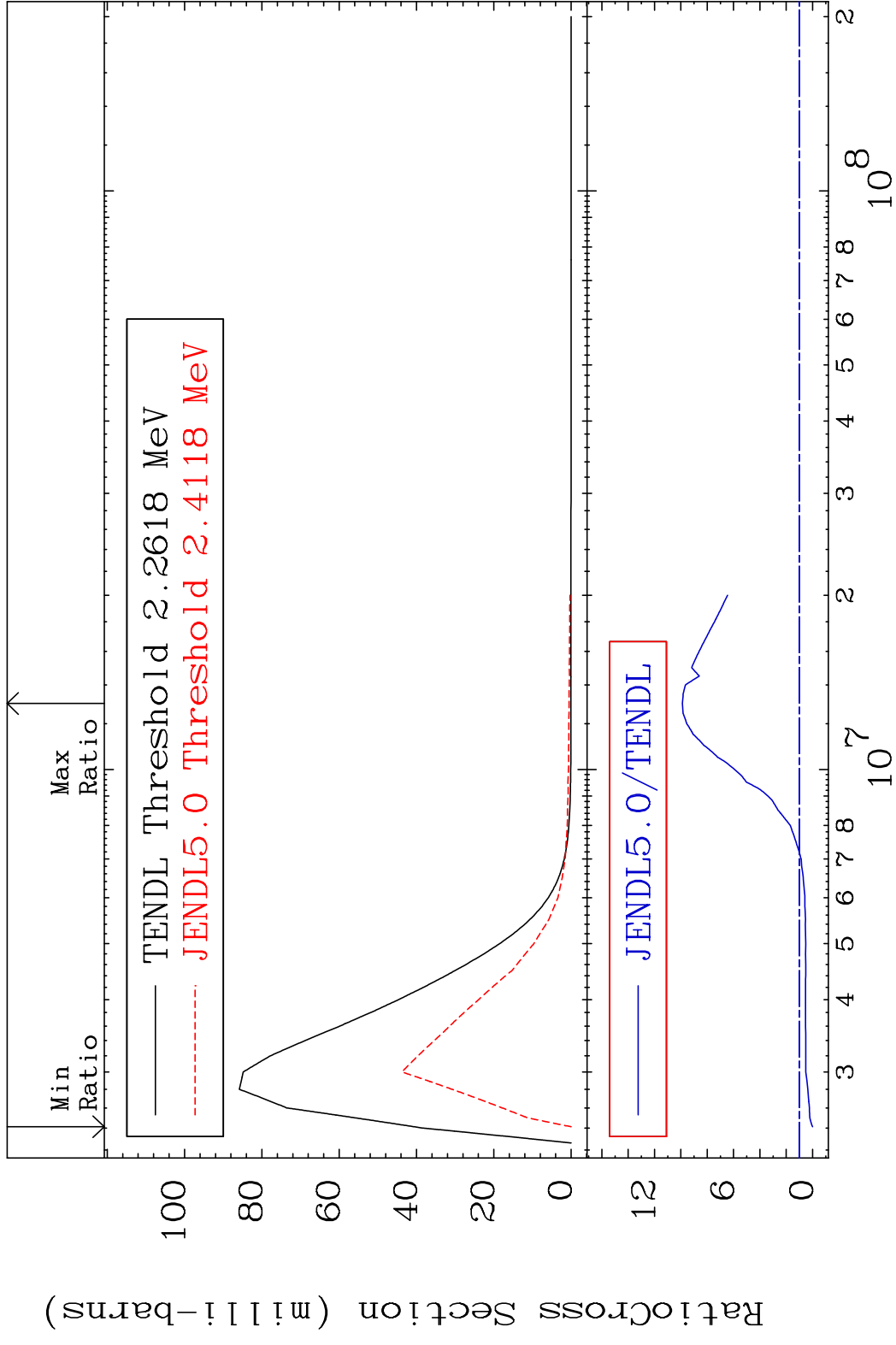


MAT 3646 MT= 72 (n, n') Level 36-Kr-85
 Cross Section -100.0 To 1744. %

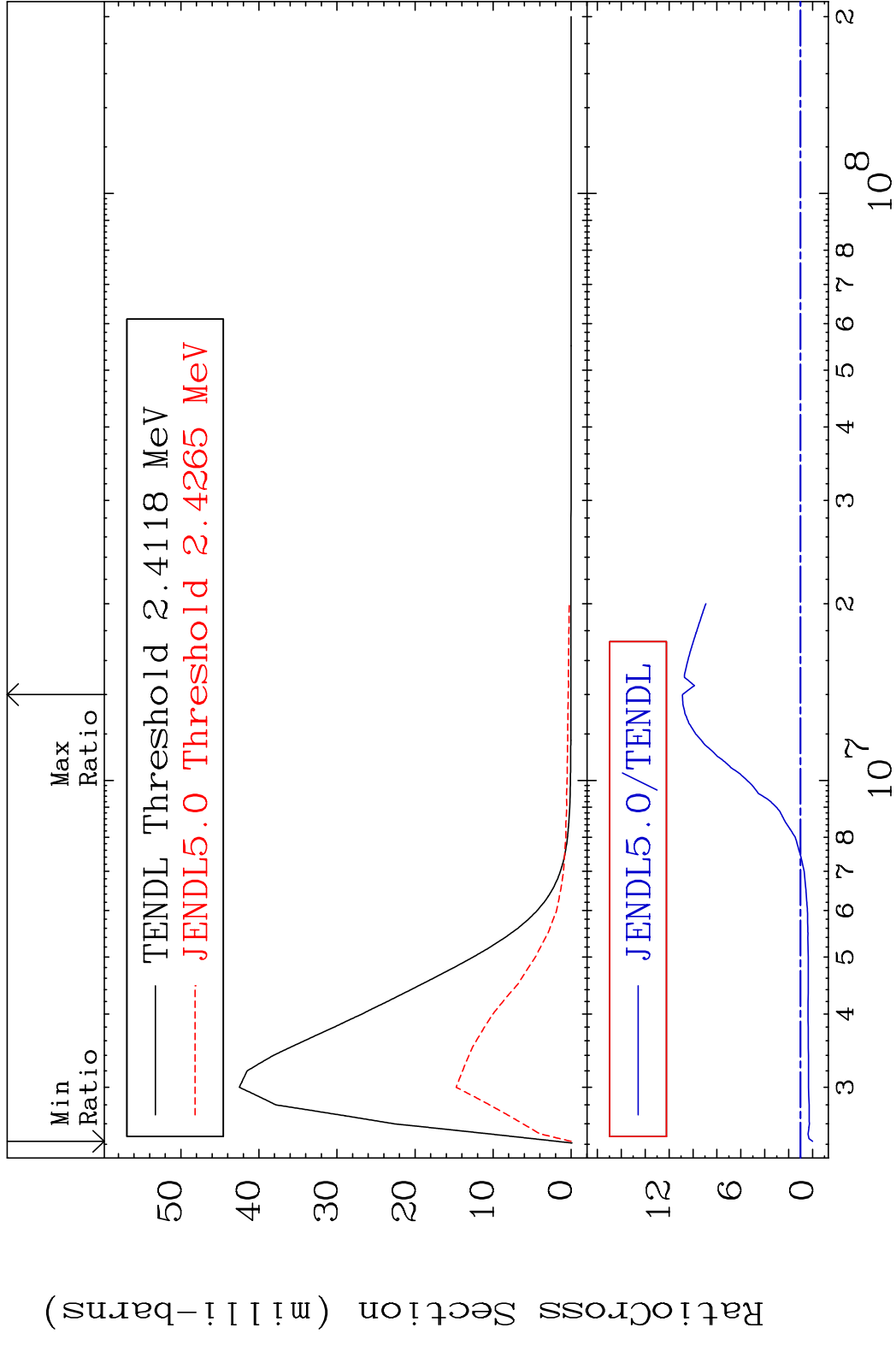


30 Incident Energy (eV) 36-Kr-85

MAT 3646 MT= 73 (n, n') Level 36-Kr-85
 Cross Section -100.0 To 888.9 %

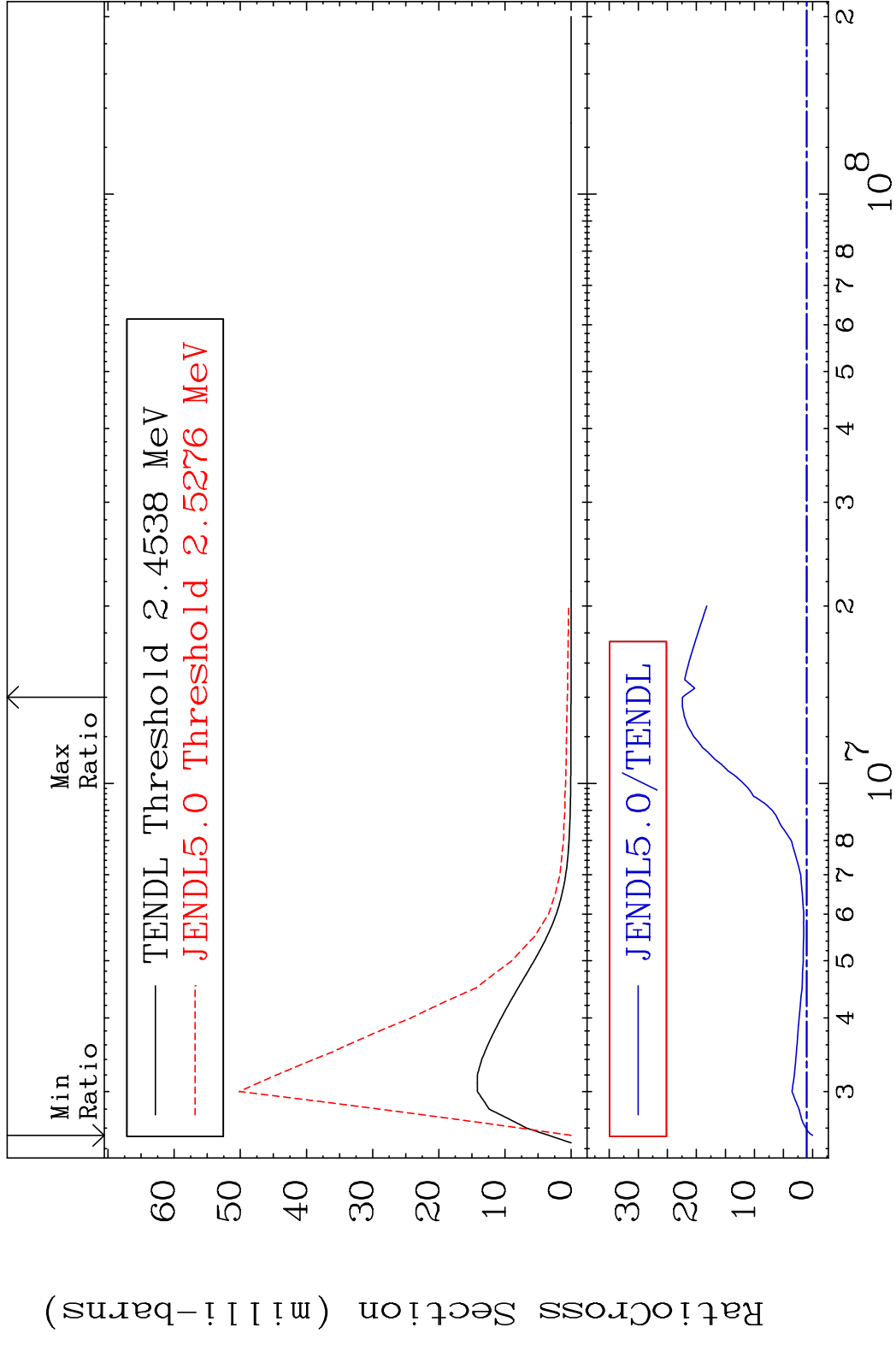


MAT 3646 MT= 74 (n, n') Level 36-Kr-85
 Cross Section -100.0 To 989.1 %

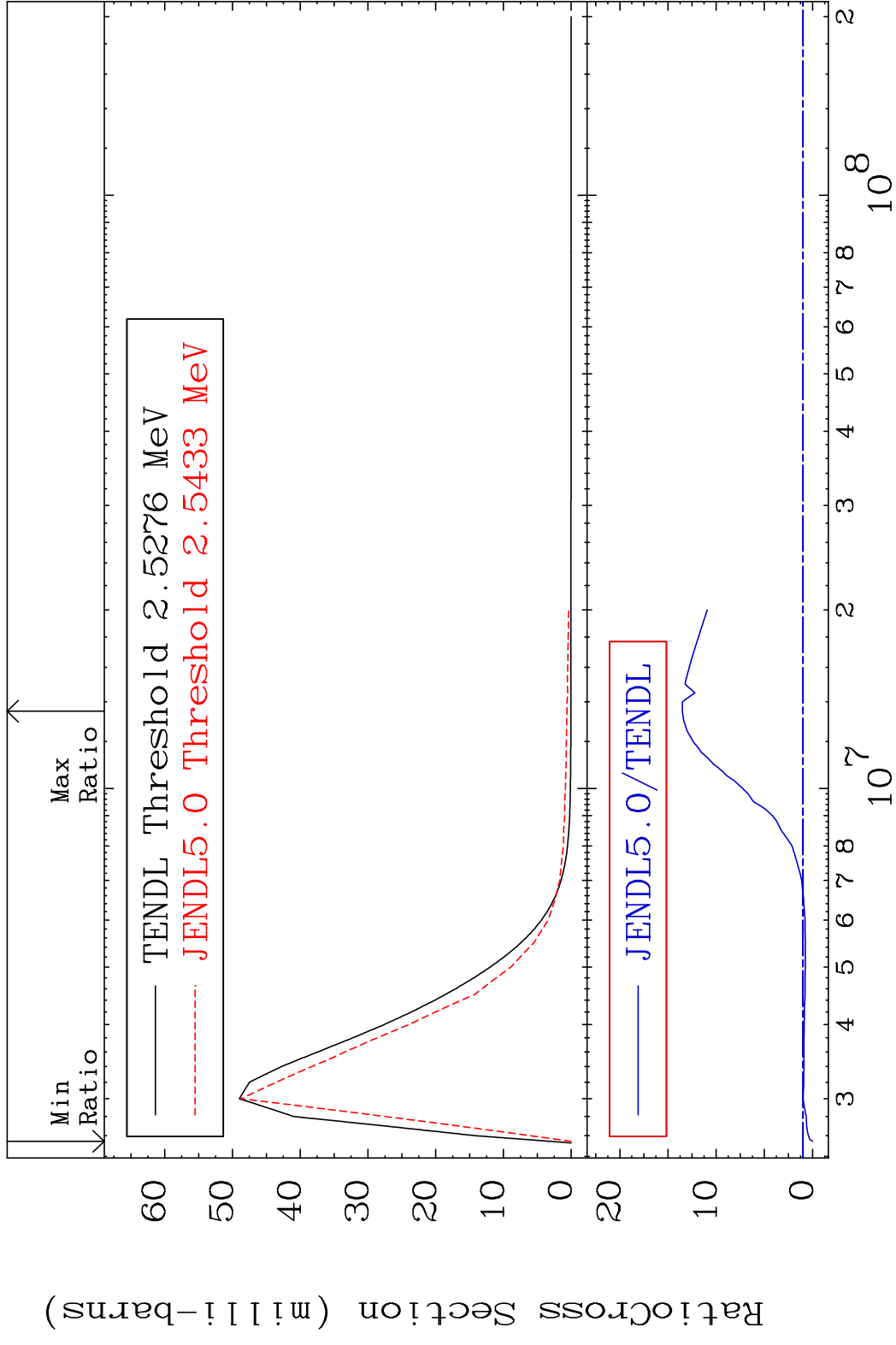


32 Incident Energy (eV) 36-Kr-85

MAT 3646 MT= 75 (n,n') Level 36-Kr-85
 Cross Section -100.0 To 2142. %

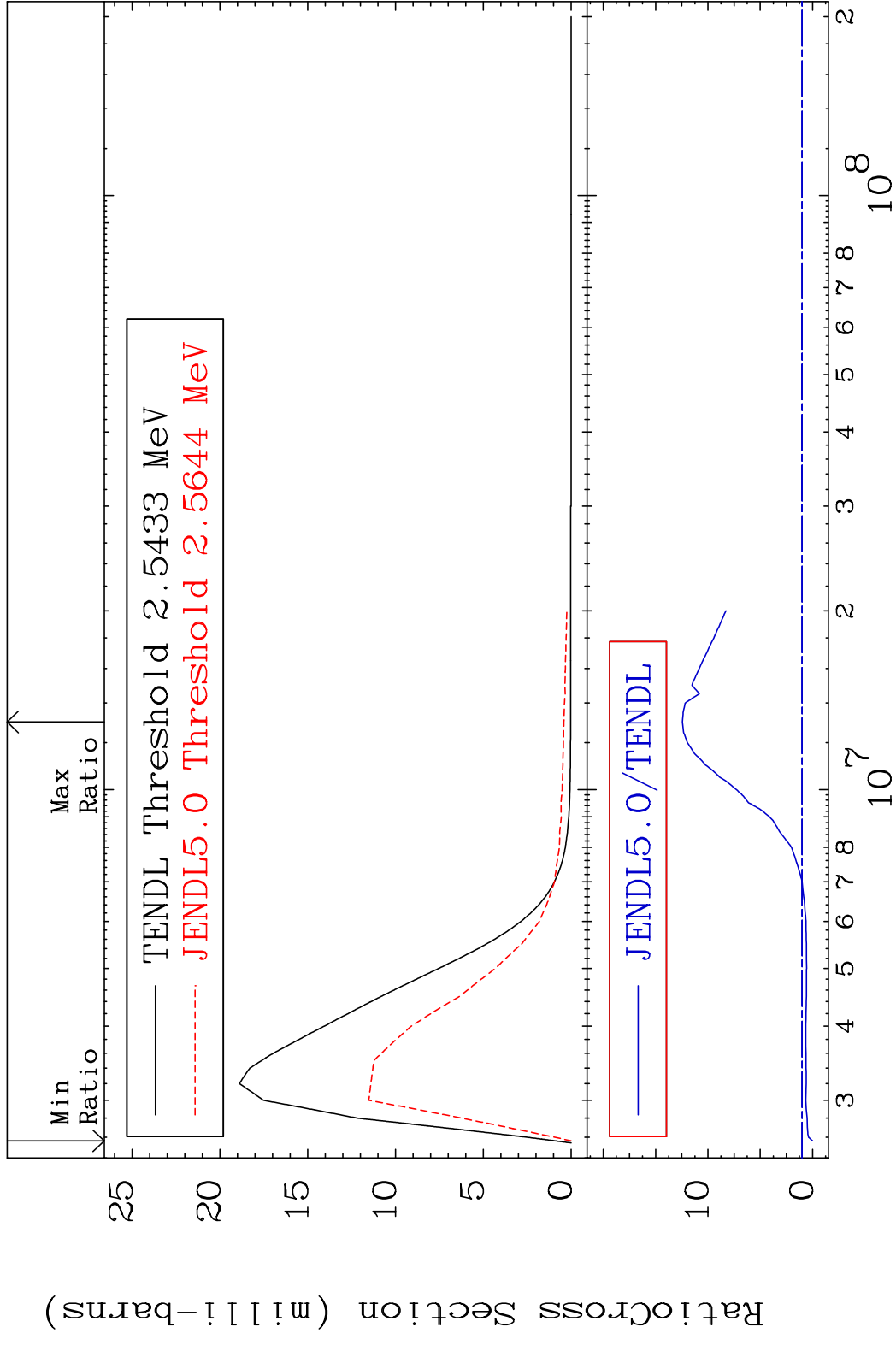


MAT 3646 MT= 76 (n,n') Level 36-Kr-85
 Cross Section -100.0 To 1251. %



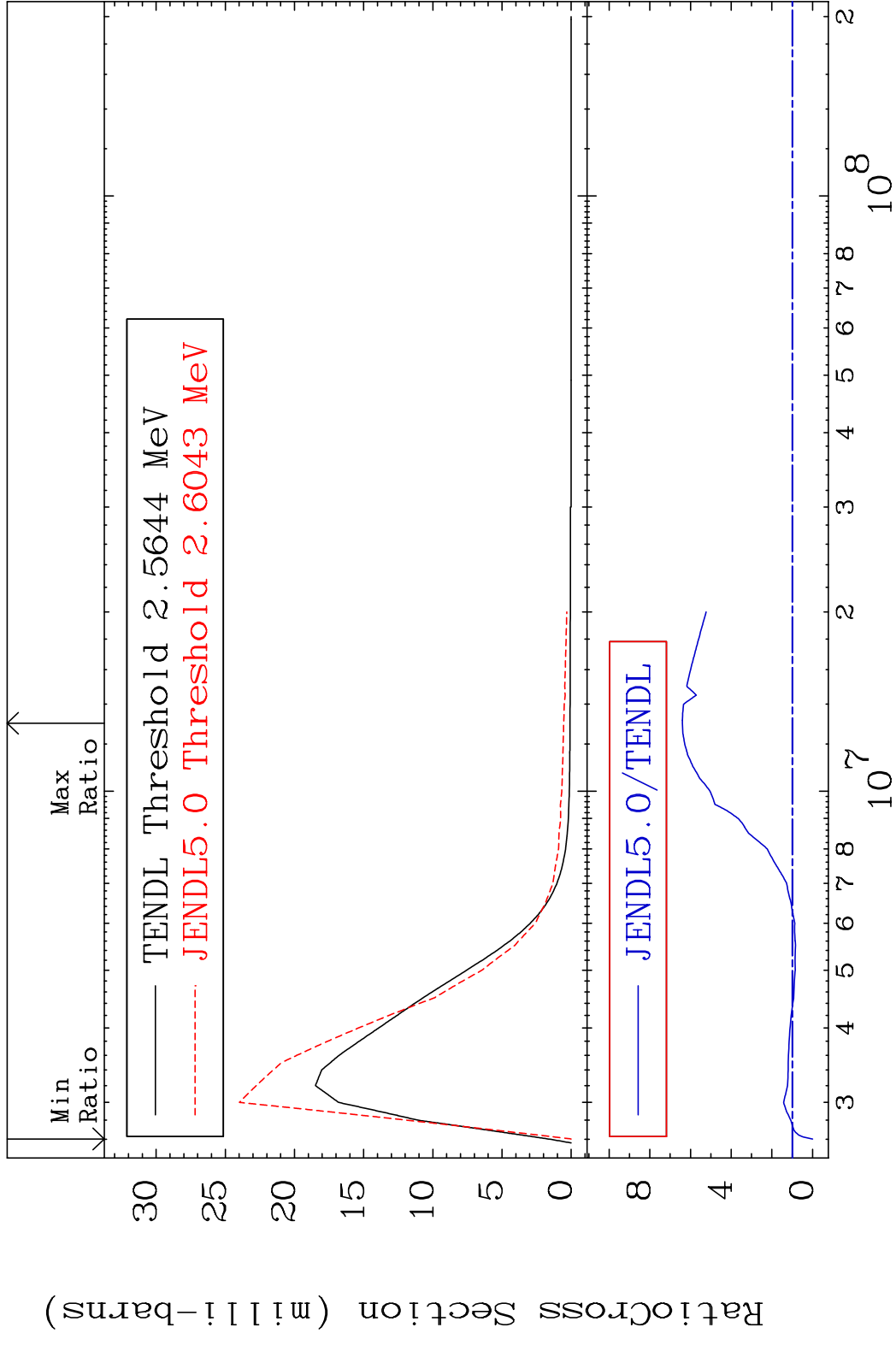
34 36-Kr-85

MAT 3646 MT= 77 (n,n') Level 36-Kr-85
 Cross Section -100.0 To 1144. %



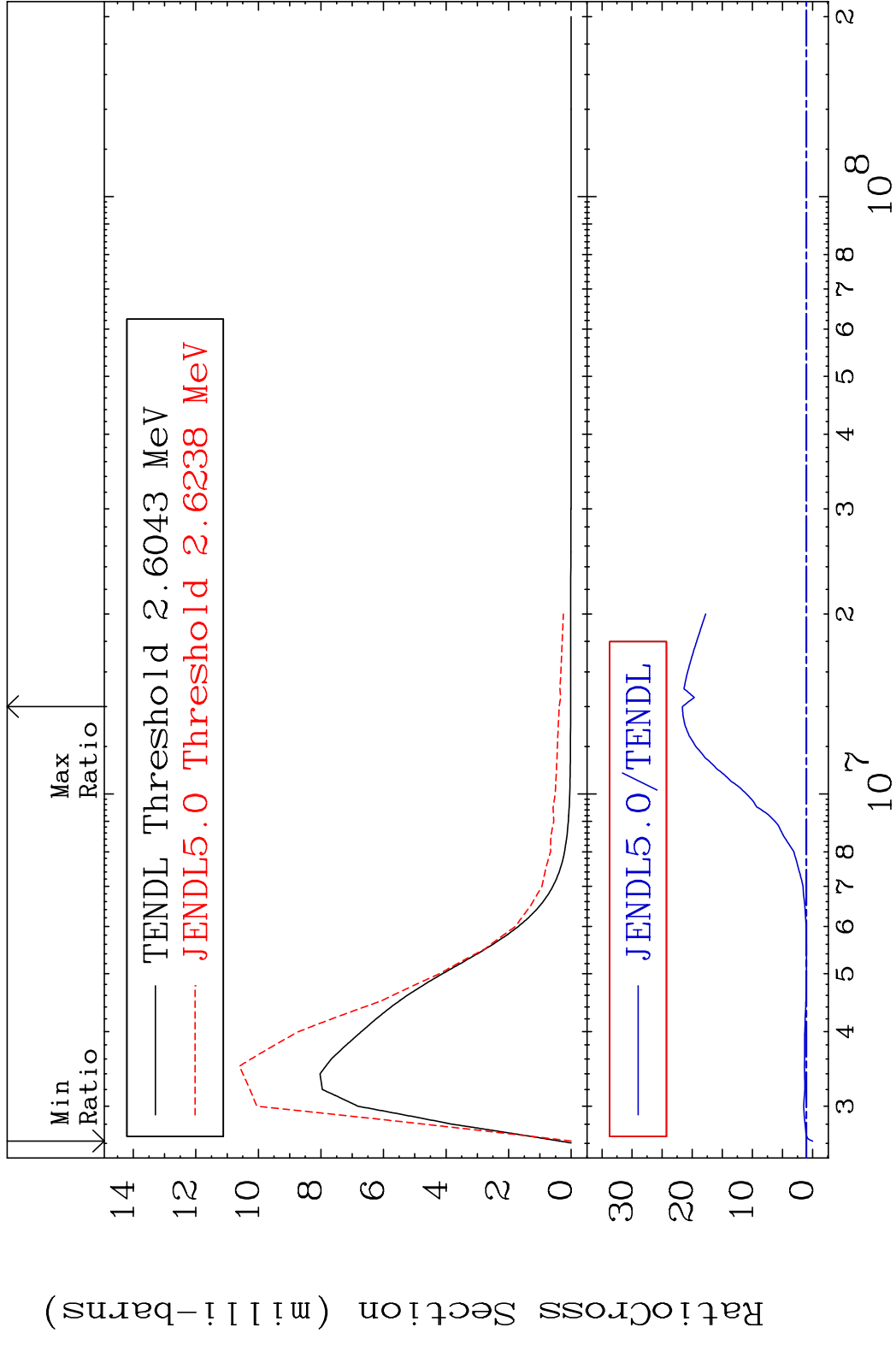
35 36-Kr-85

MAT 3646 MT= 78 (n, n') Level 36-Kr-85
 Cross Section -100.0 To 540.1 %

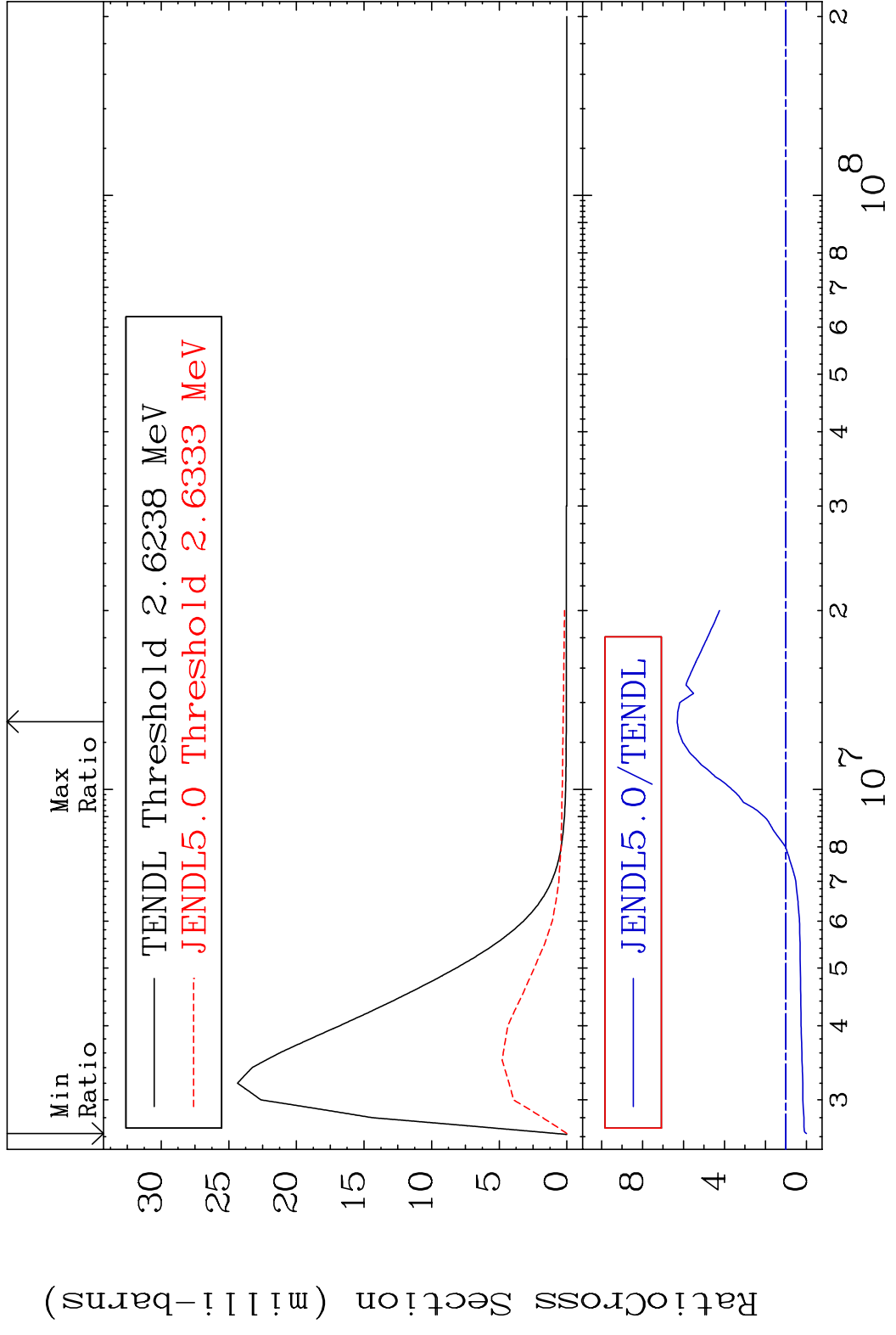


36 Incident Energy (eV) 36-Kr-85

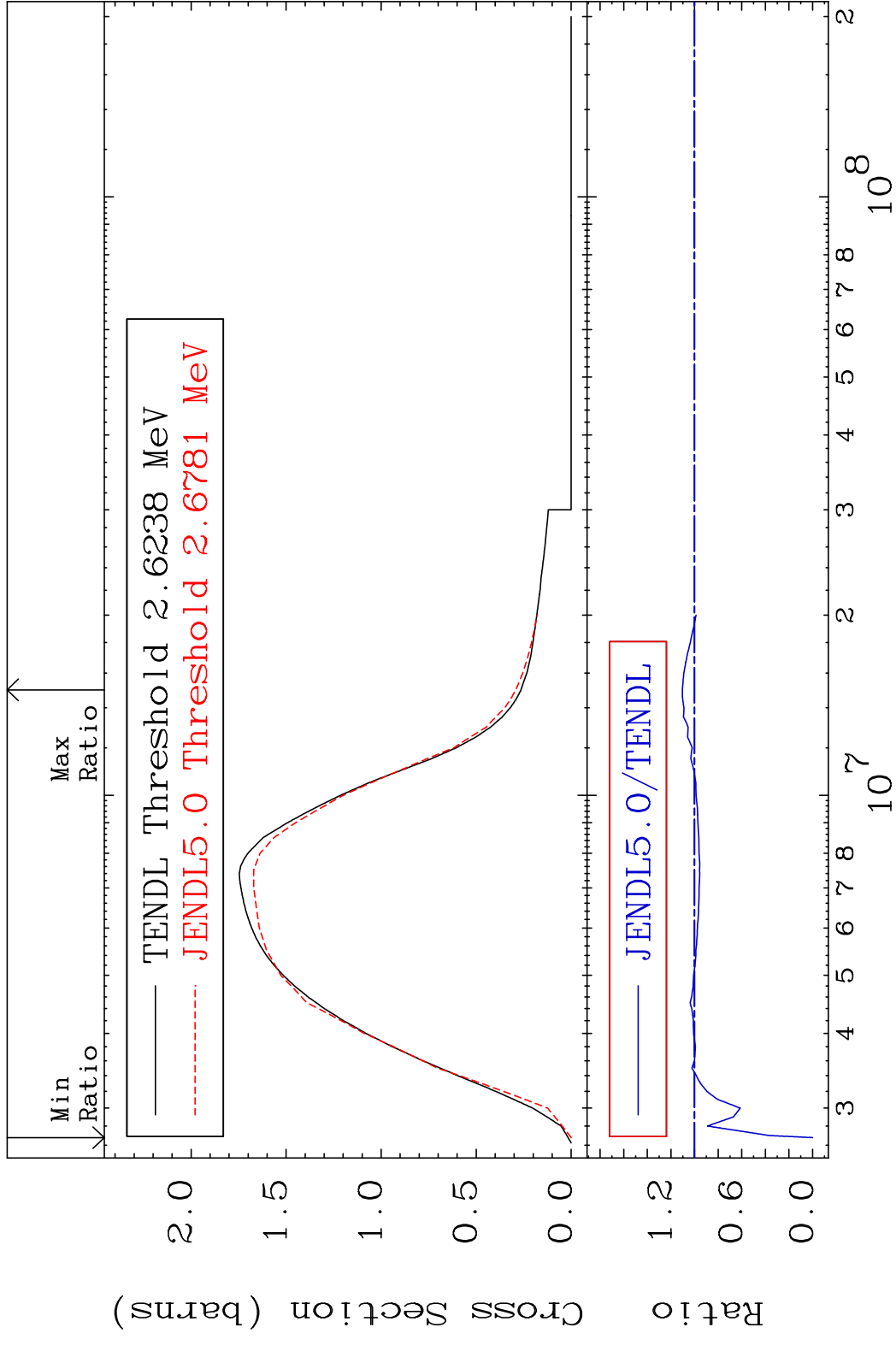
MAT 3646 MT= 79 (n,n') Level 36-Kr-85
 Cross Section -100.0 To 2064. %



MAT 3646 MT= 80 (n, n') Level 36-Kr-85
 Cross Section -100.0 To 530.8 %



MAT 3646 (n, n') Continuum 36-Kr-85
 Cross Section -100.0 To 10.34 %

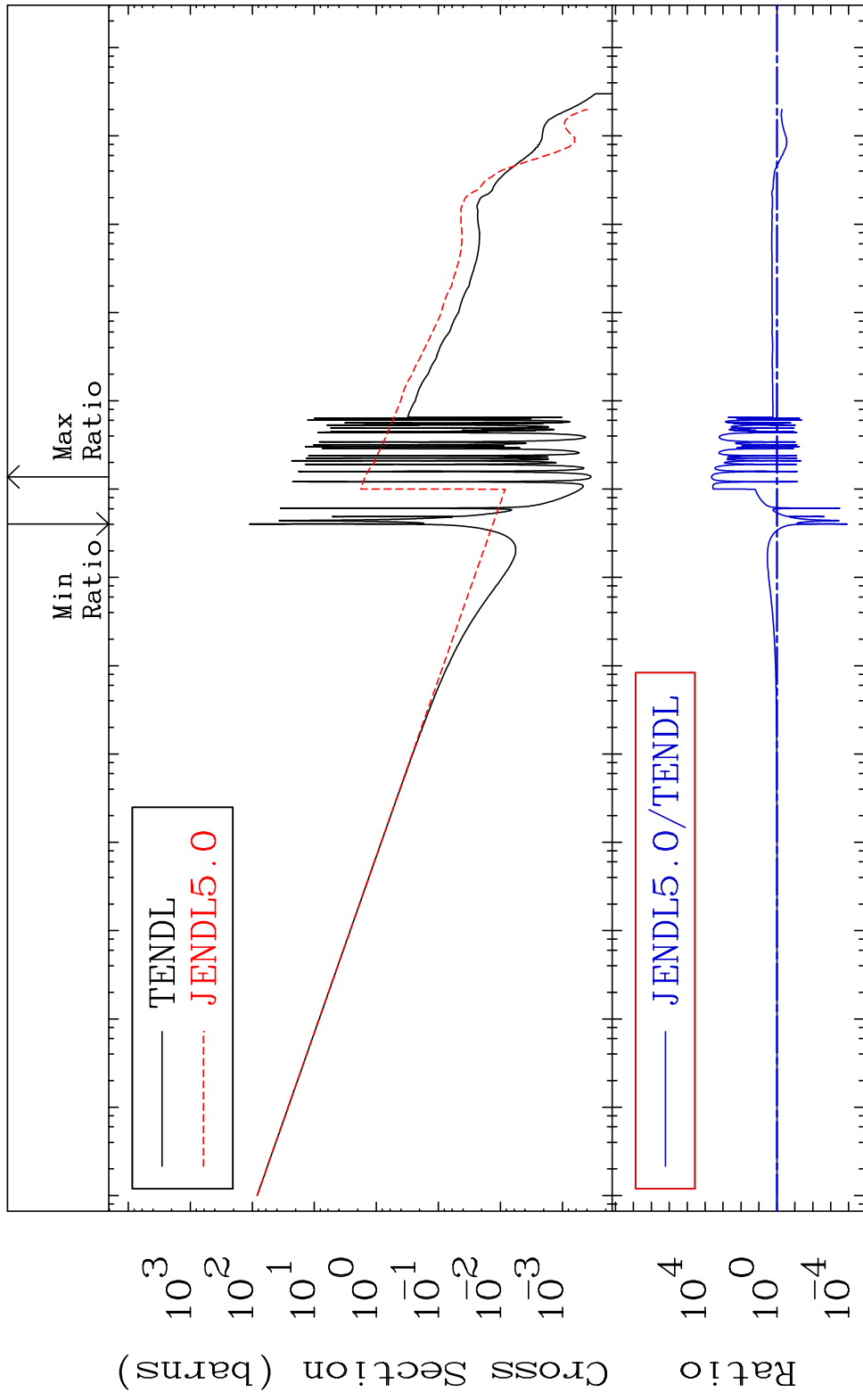


MAT 3646

(n, γ)

36-Kr-85

Cross Section -99.99 To 9999. %

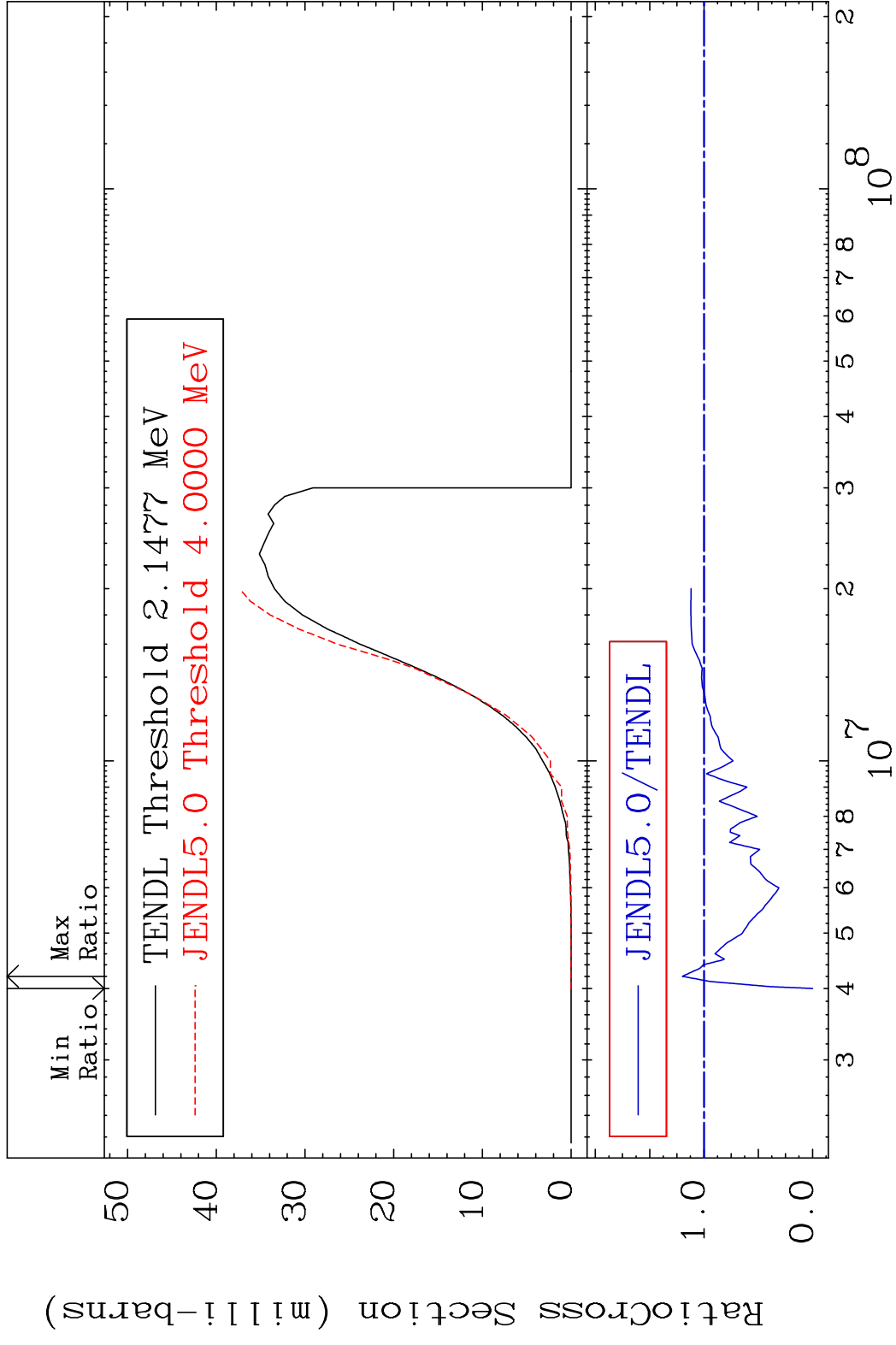


40

Incident Energy (eV)

36-Kr-85

MAT 3646 (n,p) 36-Kr-85
 Cross Section -100.0 To 19.90 %

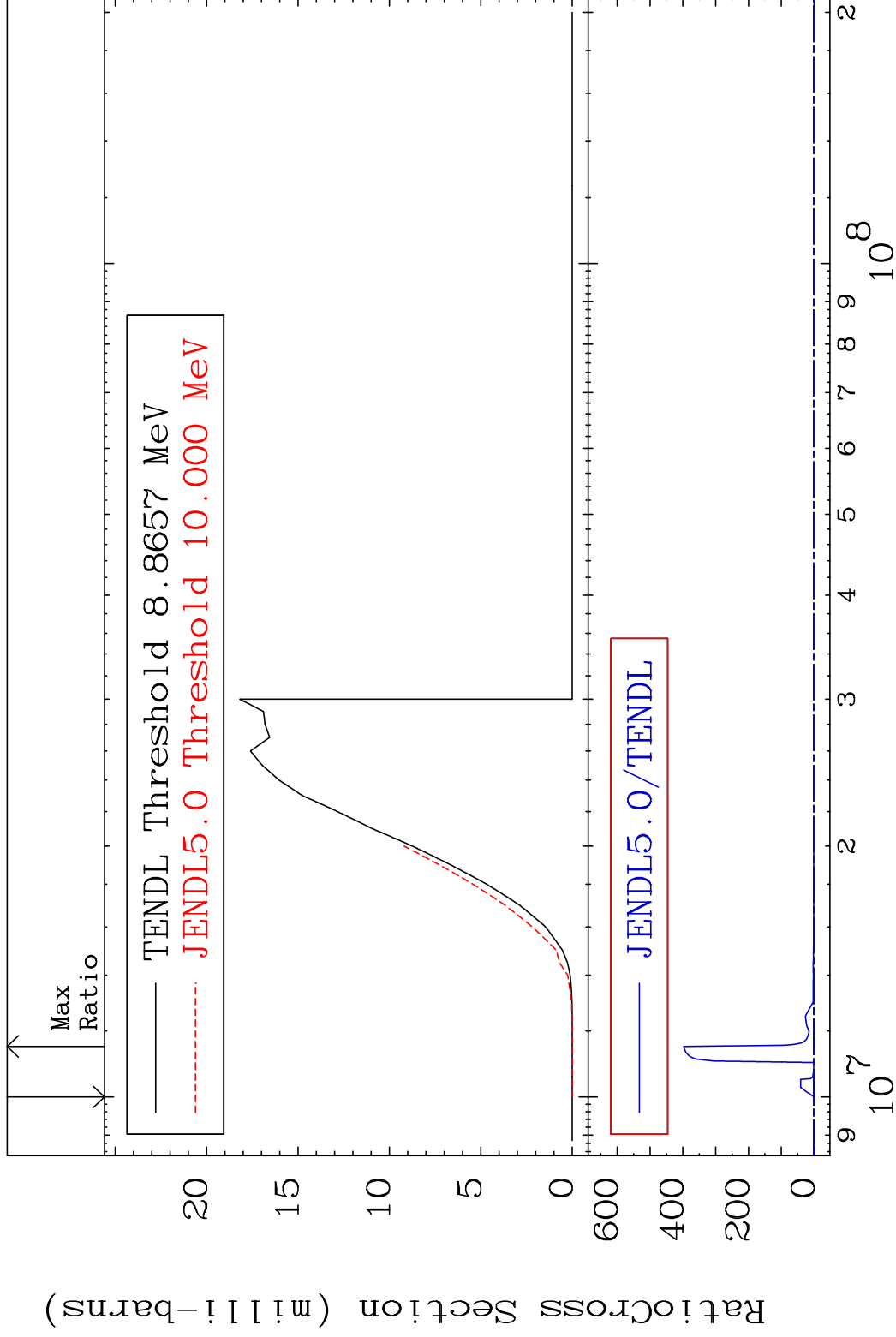


MAT 3646

(n,d)

36-Kr-85

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

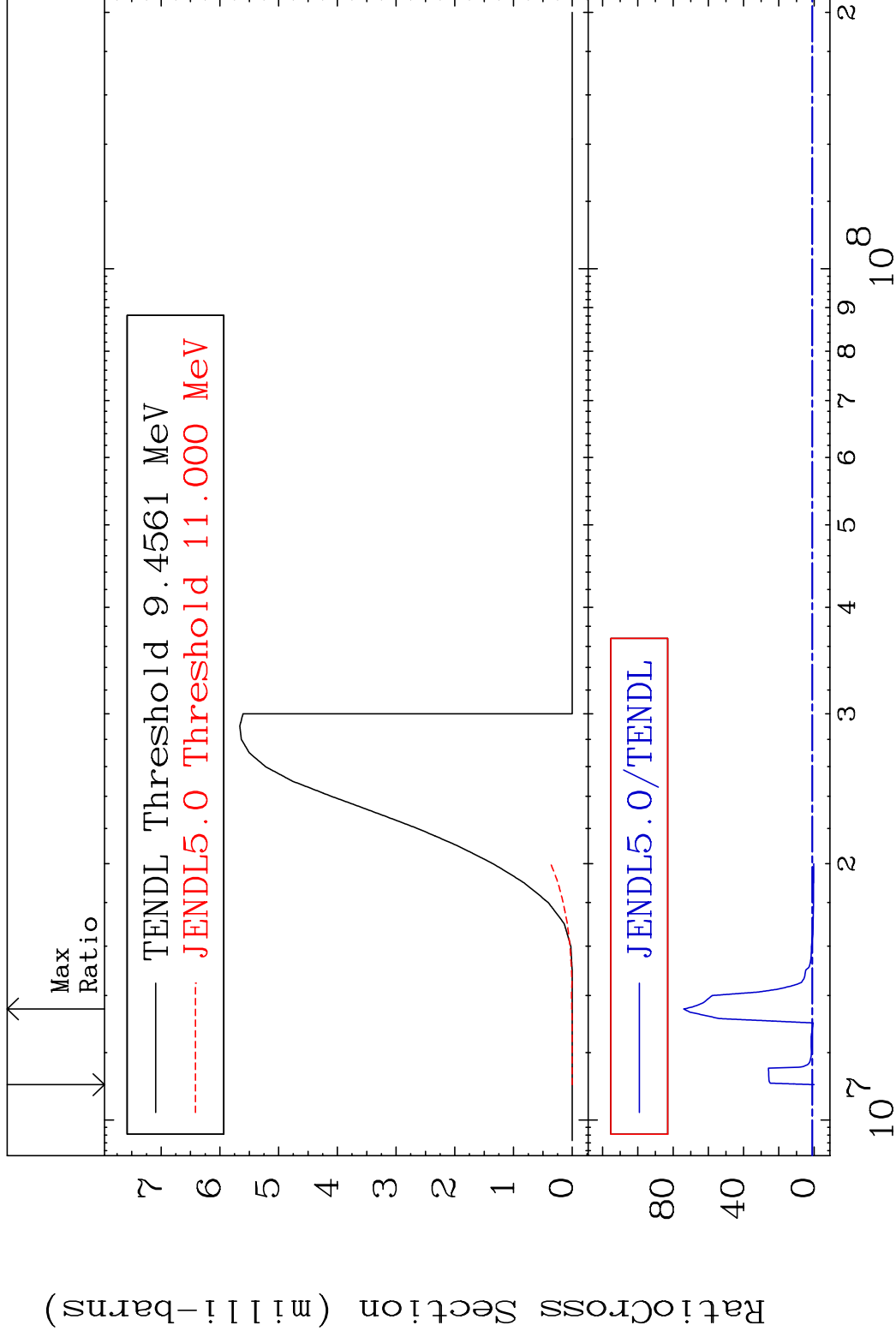
36-Kr-85

MAT 3646

(n, t)

36-Kr-85

Cross Section -100.0 To 7300. %



43

Incident Energy (eV)

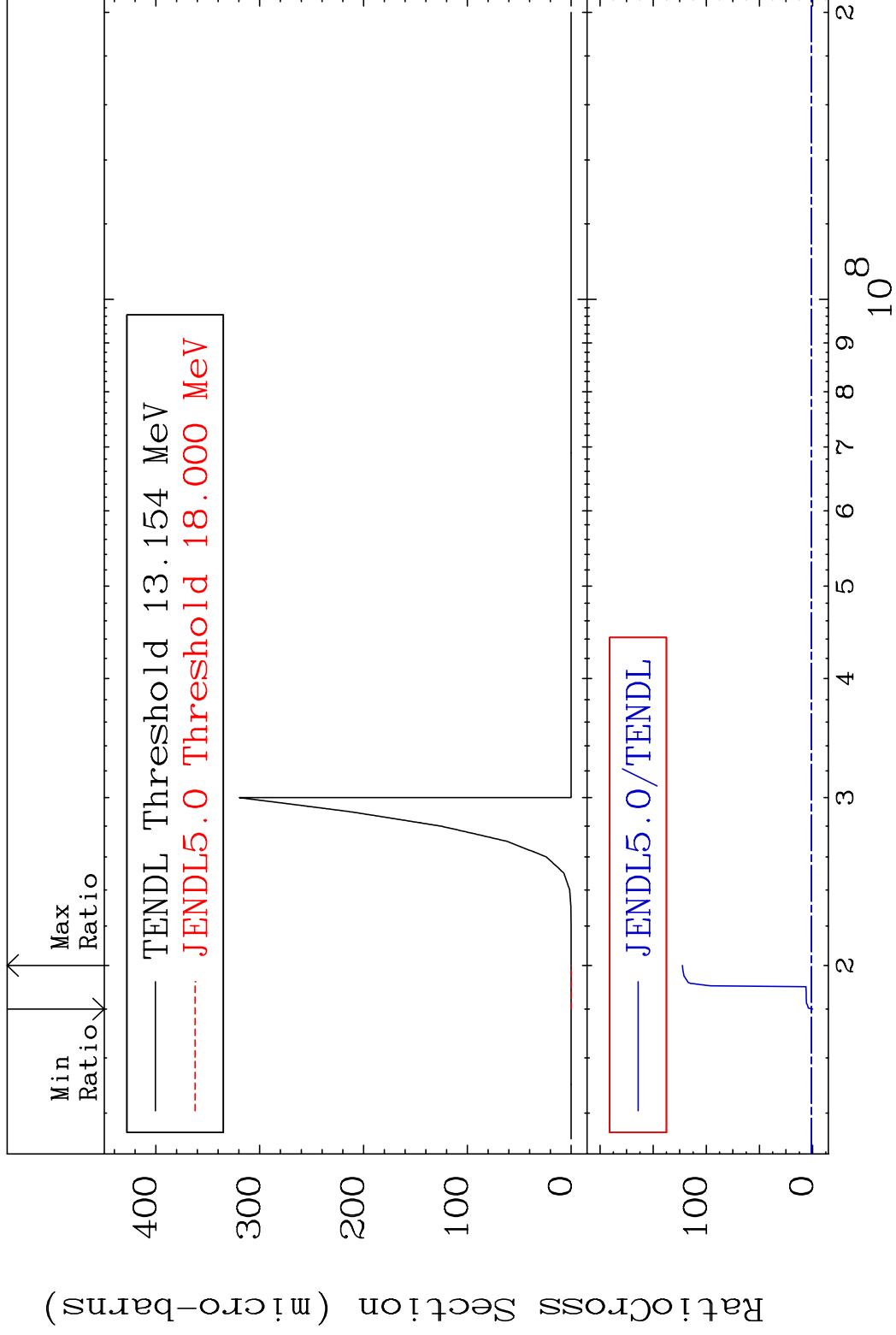
36-Kr-85

MAT 3646

(n, He-3)

36-Kr-85

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

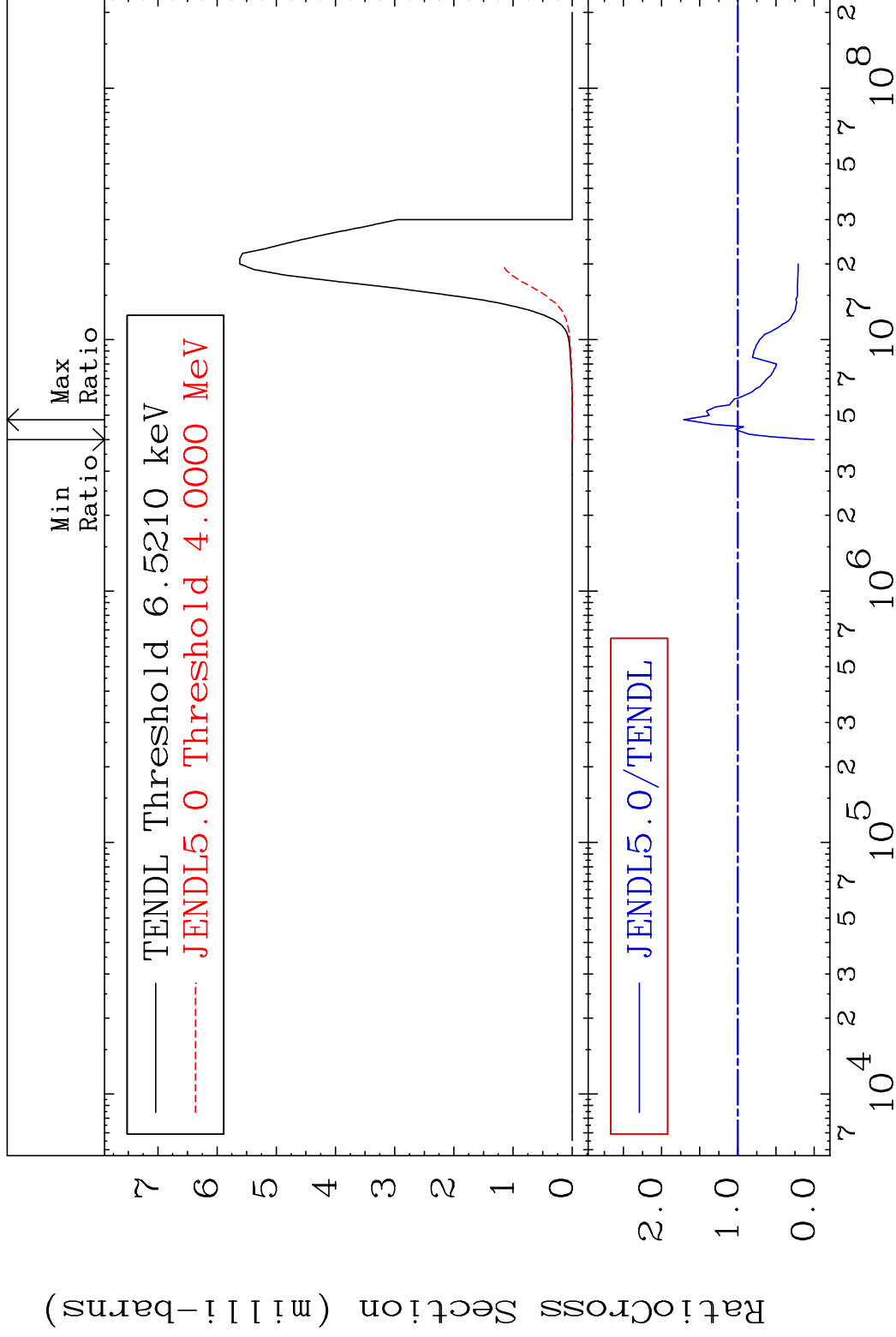
36-Kr-85

MAT 3646

(n, α)

36-Kr-85

Cross Section -100.0 To 71.08 %

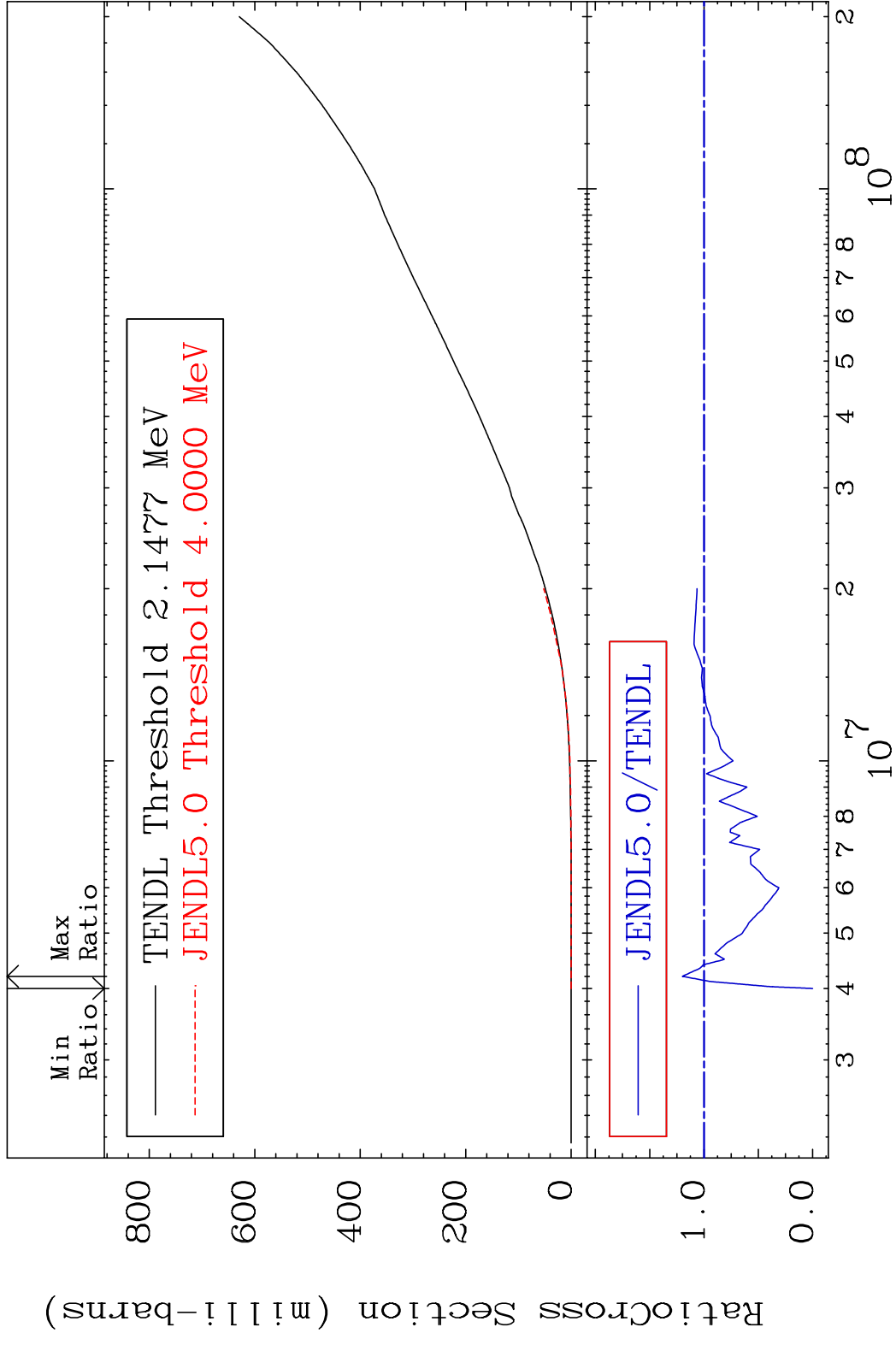


45

Incident Energy (eV)

36-Kr-85

MAT 3646 Hydrogen Production 36-Kr-85
 Cross Section -100.0 To 19.90 %

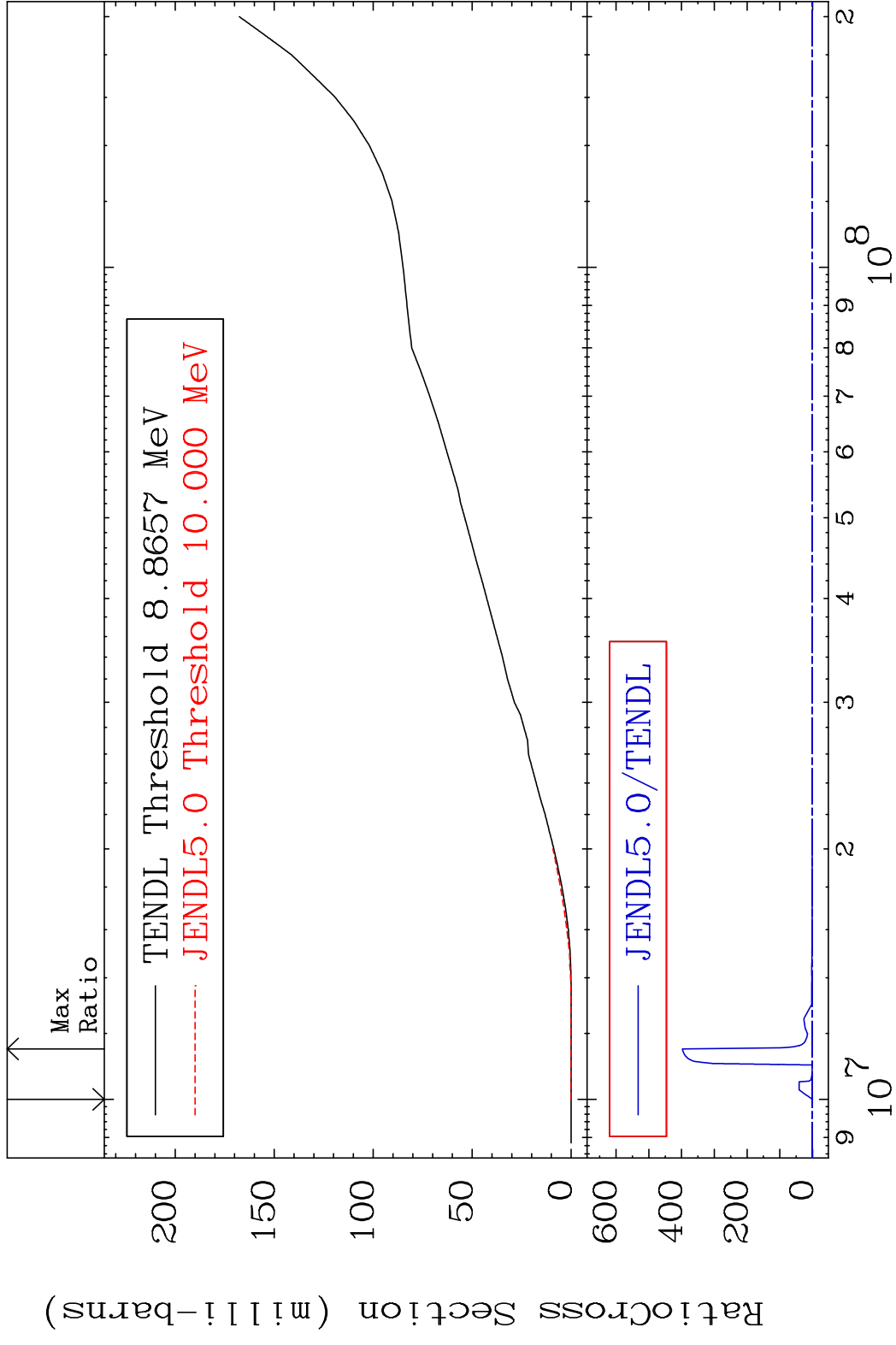


MAT 3646

Deuterium Production

36-Kr-85

Cross Section -100.0 To 9999. %

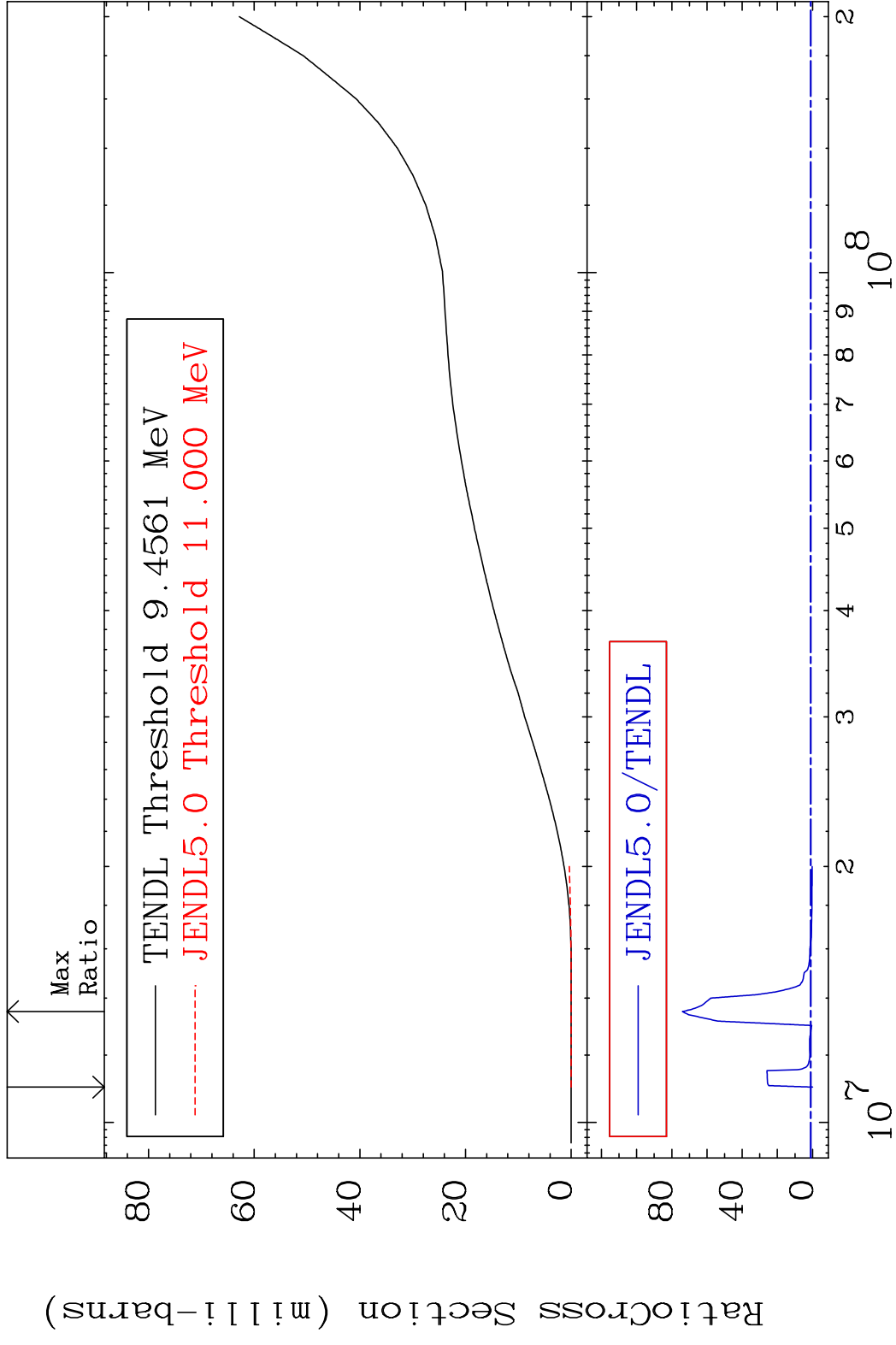


47

Incident Energy (eV)

36-Kr-85

MAT 3646 Tritium Production 36-Kr-85
 Cross Section -100.0 To 7300. %



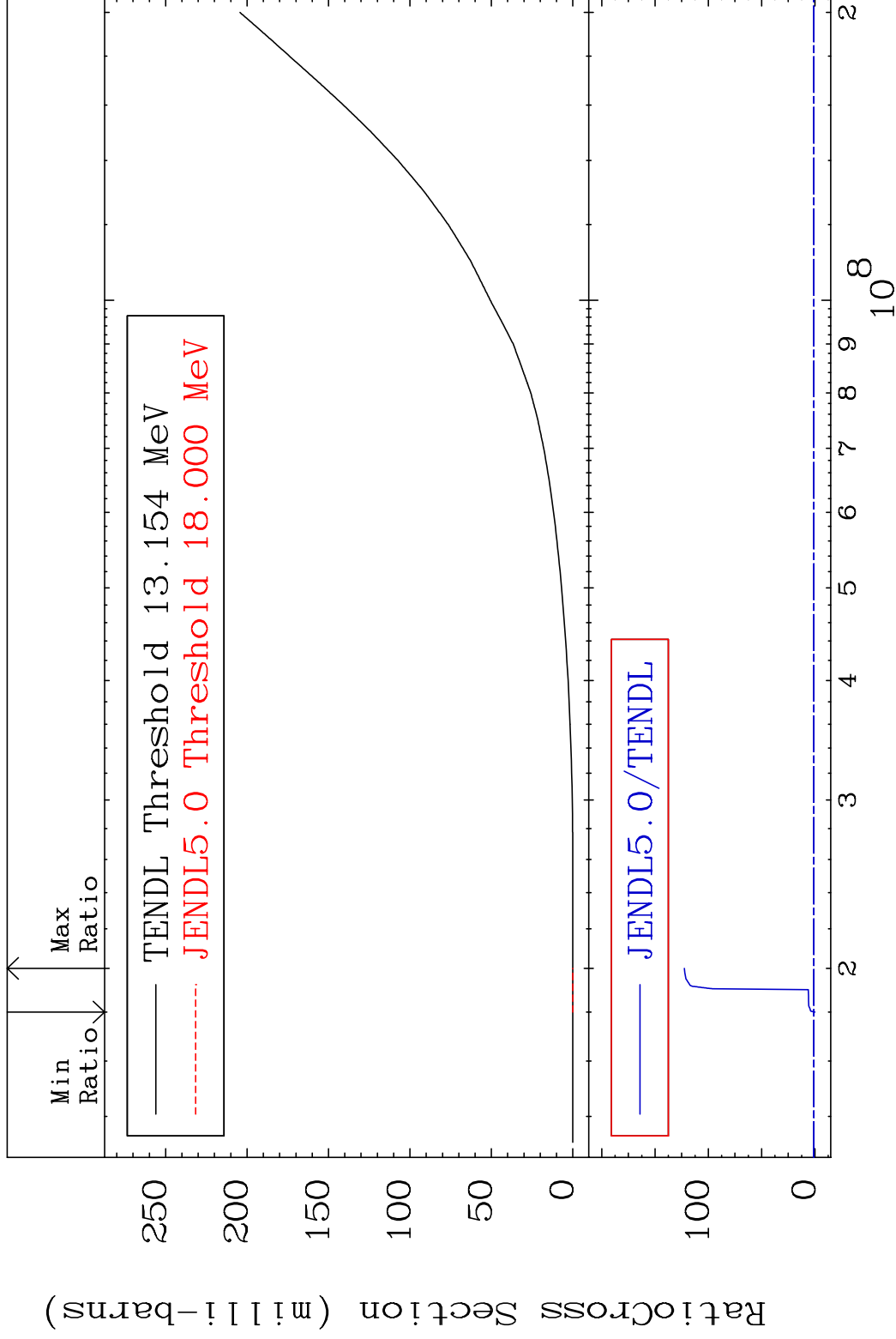
48 Incident Energy (eV) 36-Kr-85

MAT 3646

He-3 Production

36-Kr-85

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

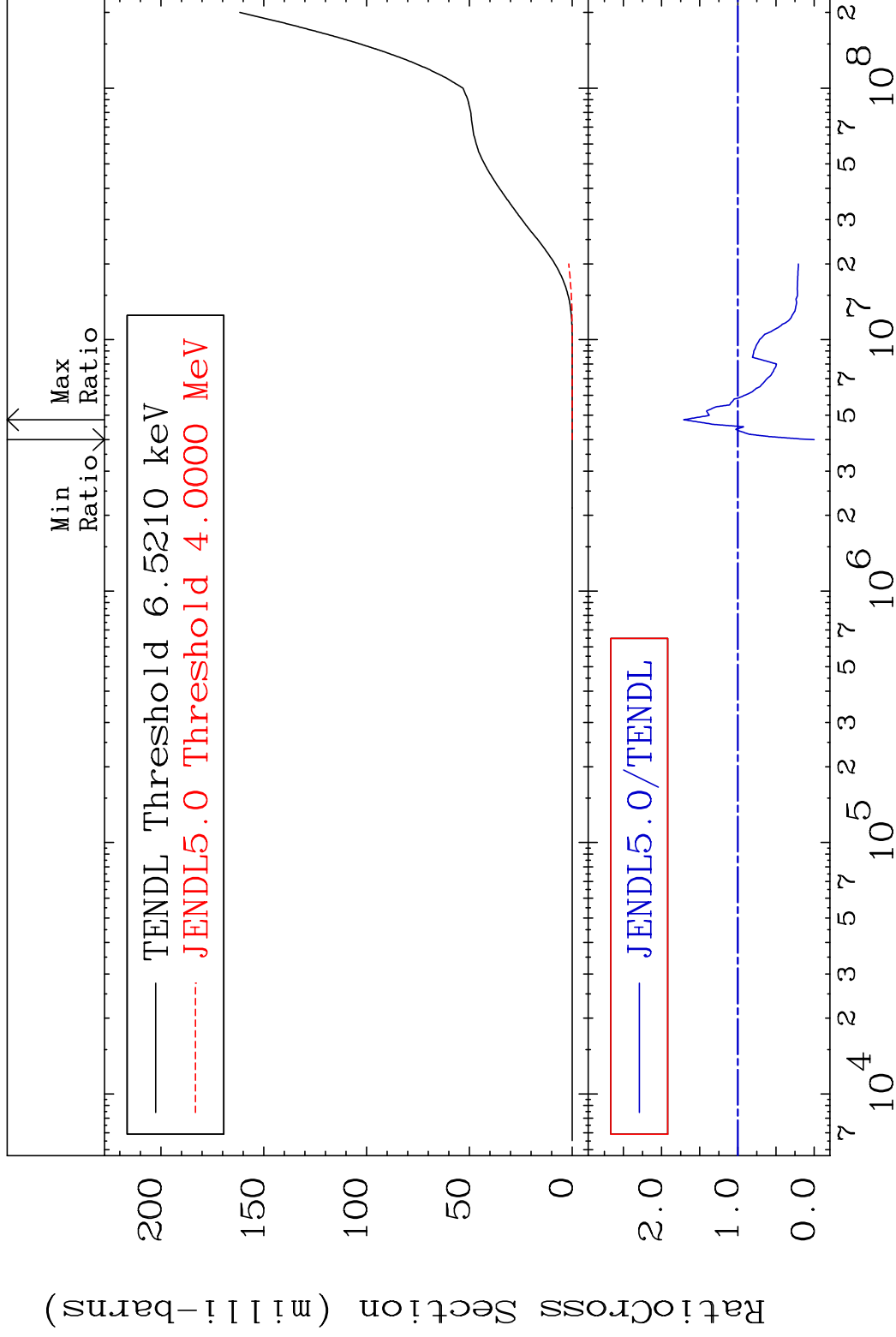
36-Kr-85

MAT 3646

He-4 Production

³⁶Kr-85

Cross Section -100.0 To 71.08 %

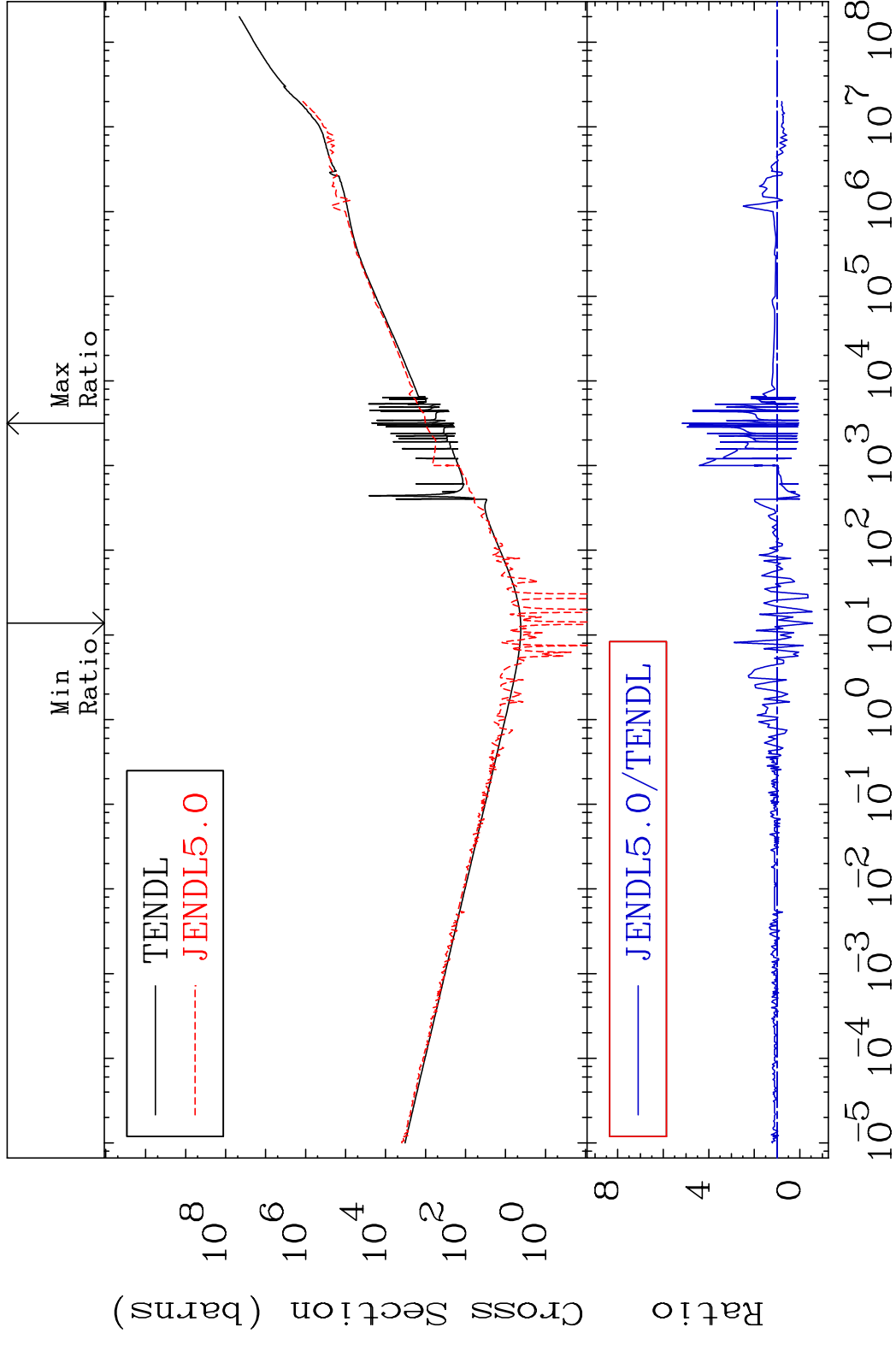


50

Incident Energy (eV)

³⁶Kr-85

MAT 3646 Kerma total (eV-barns) 36-Kr-85
 Cross Section -156.3 To 415.9 %



MAT 3646

Kerma elastic

36-Kr-85

Cross Section -99.74 To 425.2 %

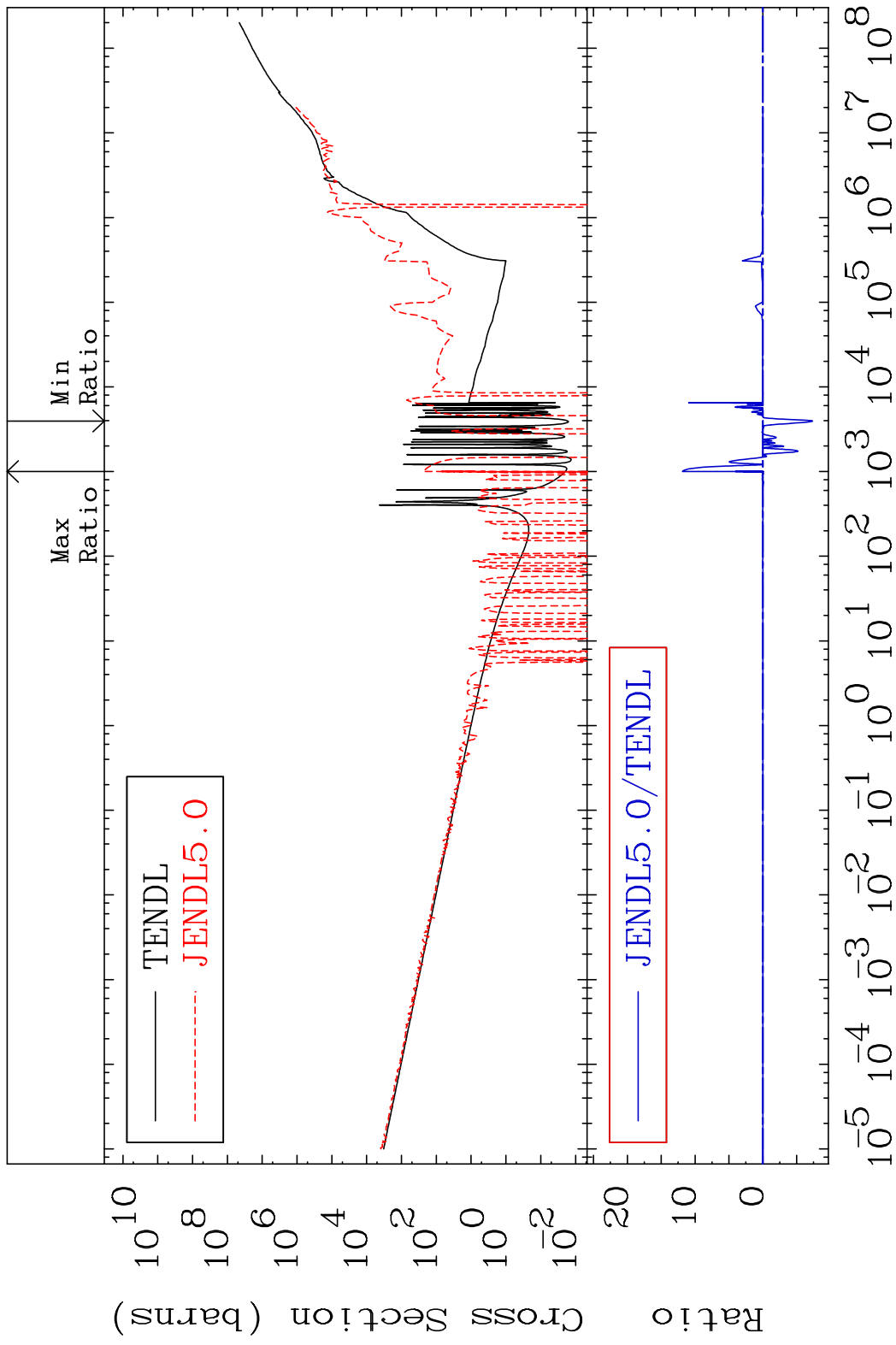


52

Incident Energy (eV)

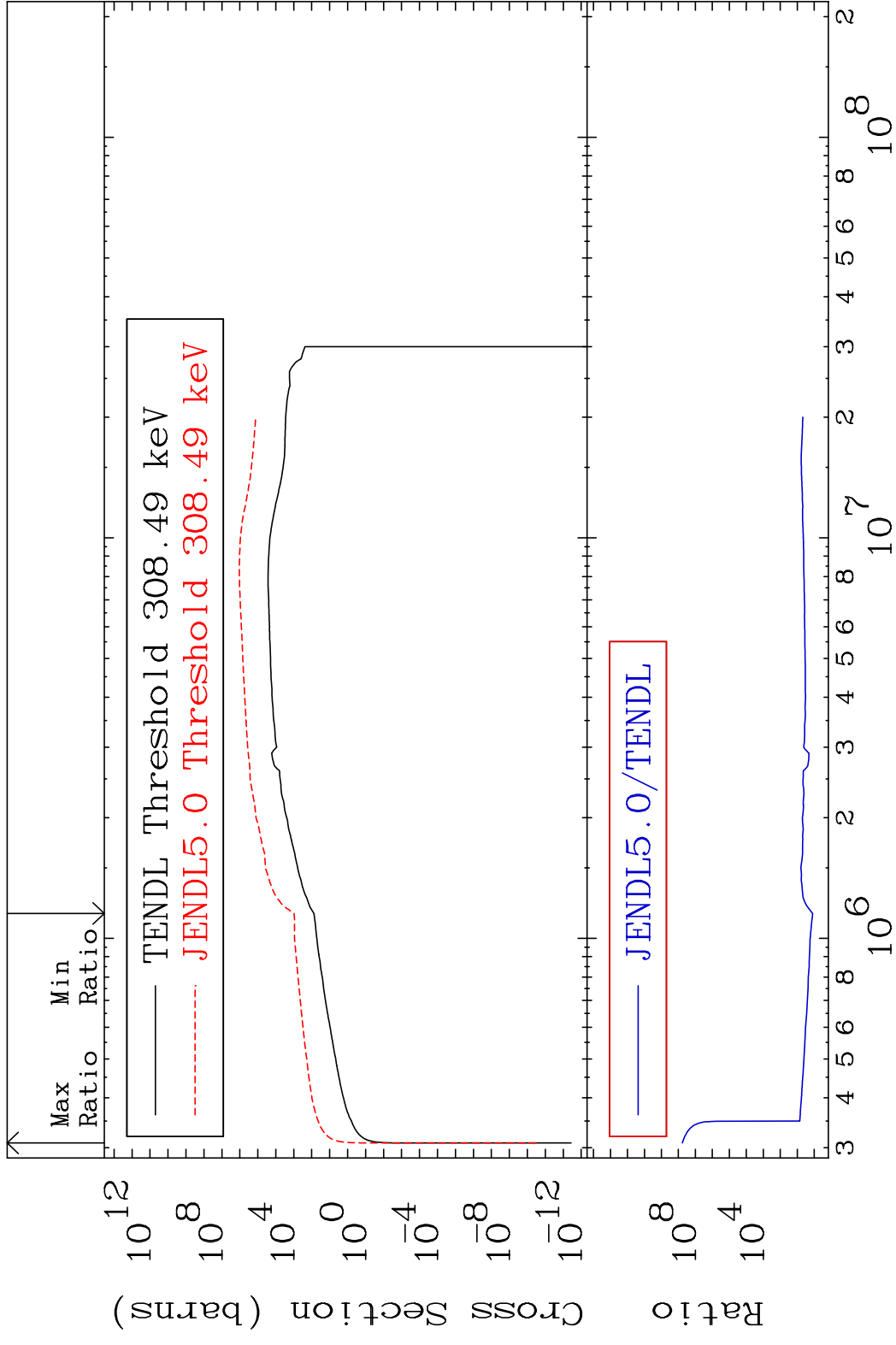
36-Kr-85

MAT 3646 Kerma non-elastic (all but mt2) 36-Kr-85
 Cross Section -9999. To 9999. %

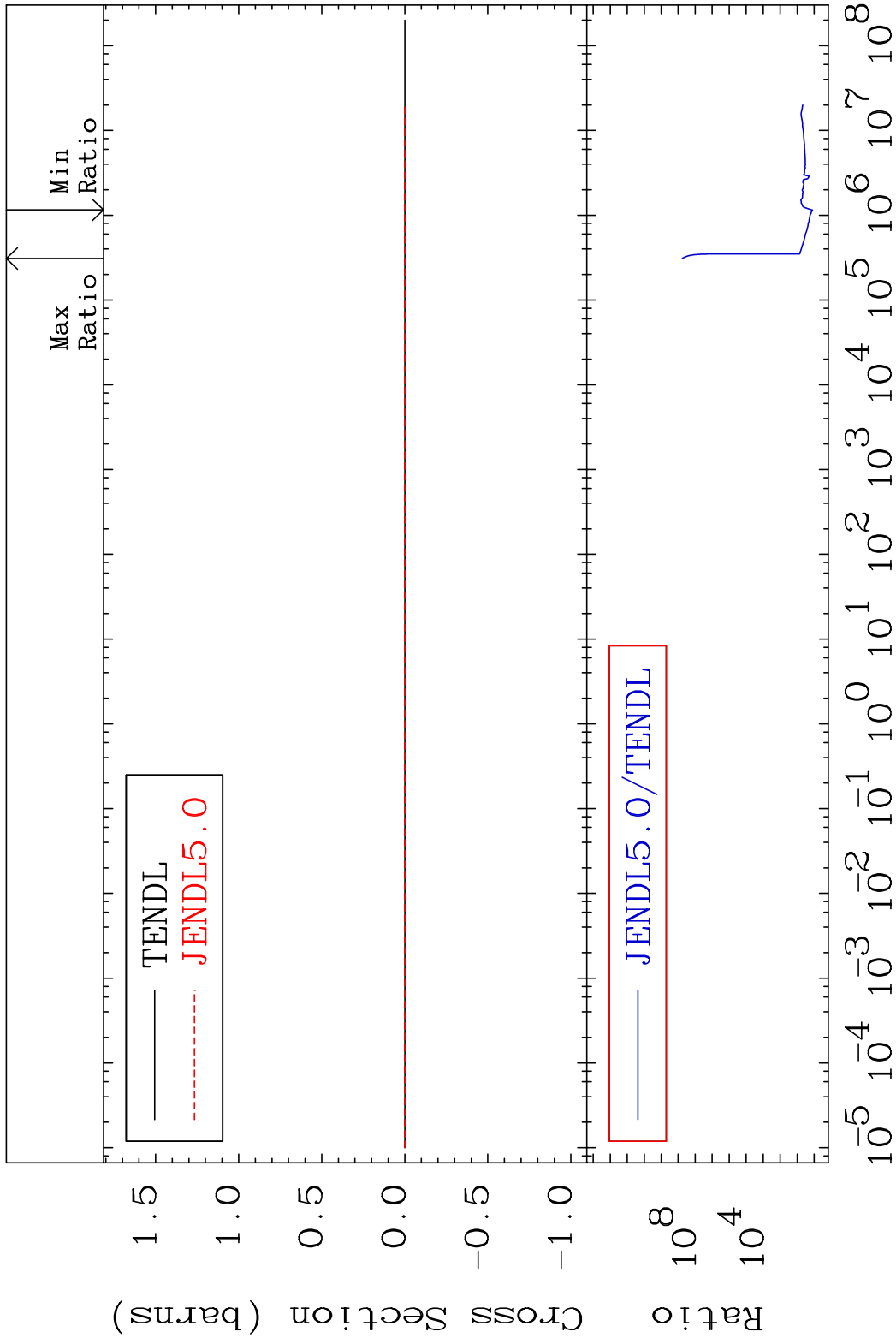


53 Incident Energy (eV) 36-Kr-85

MAT 3646 Kerma inelastic (mt51-91) 36-Kr-85
 Cross Section 1159. To 9999. %

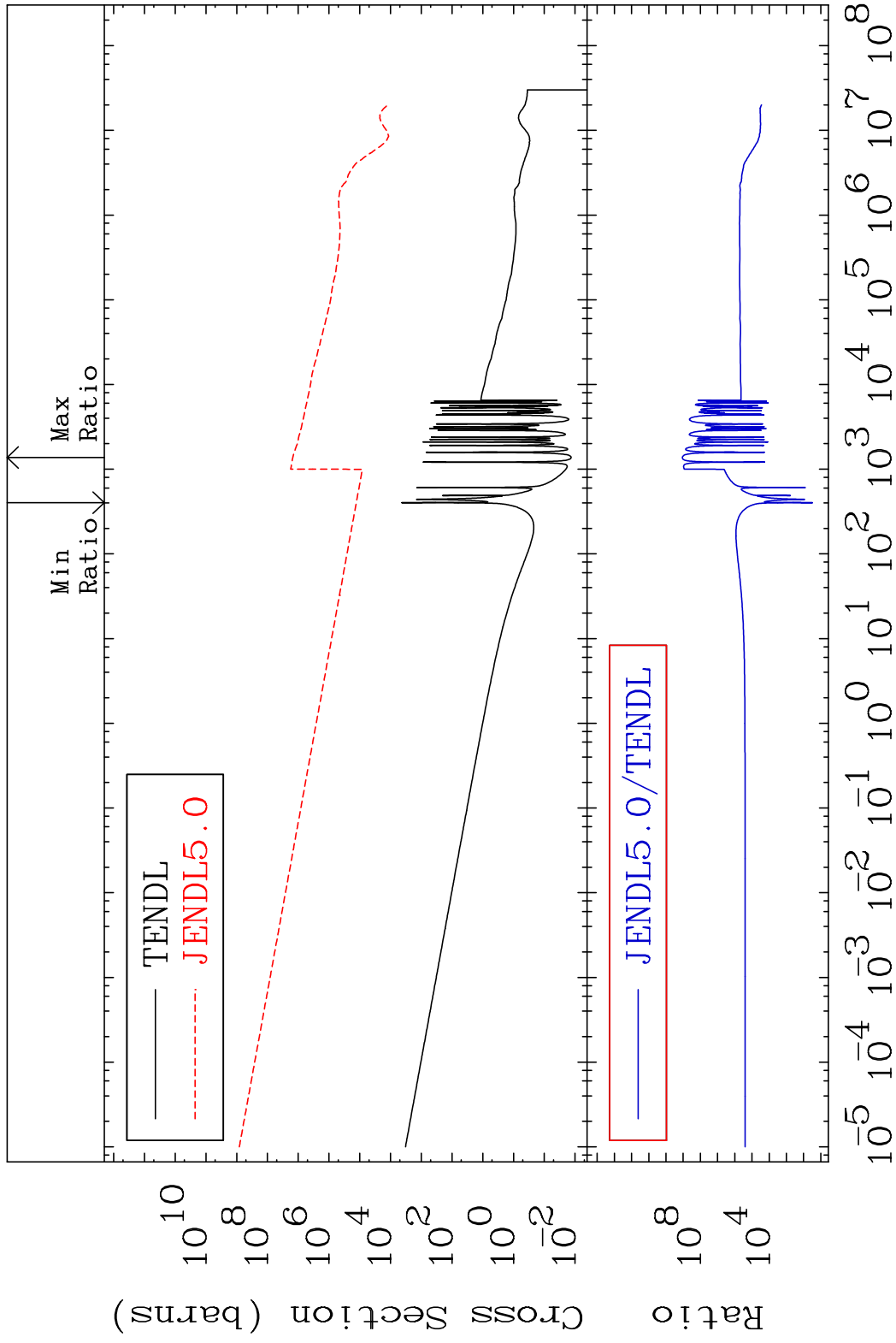


MAT 3646 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-85
 Cross Section 1159. To 9999. %



MAT 3646

Kerma capture (mt102) 36-Kr-85
Cross Section 2898. To 9999. %

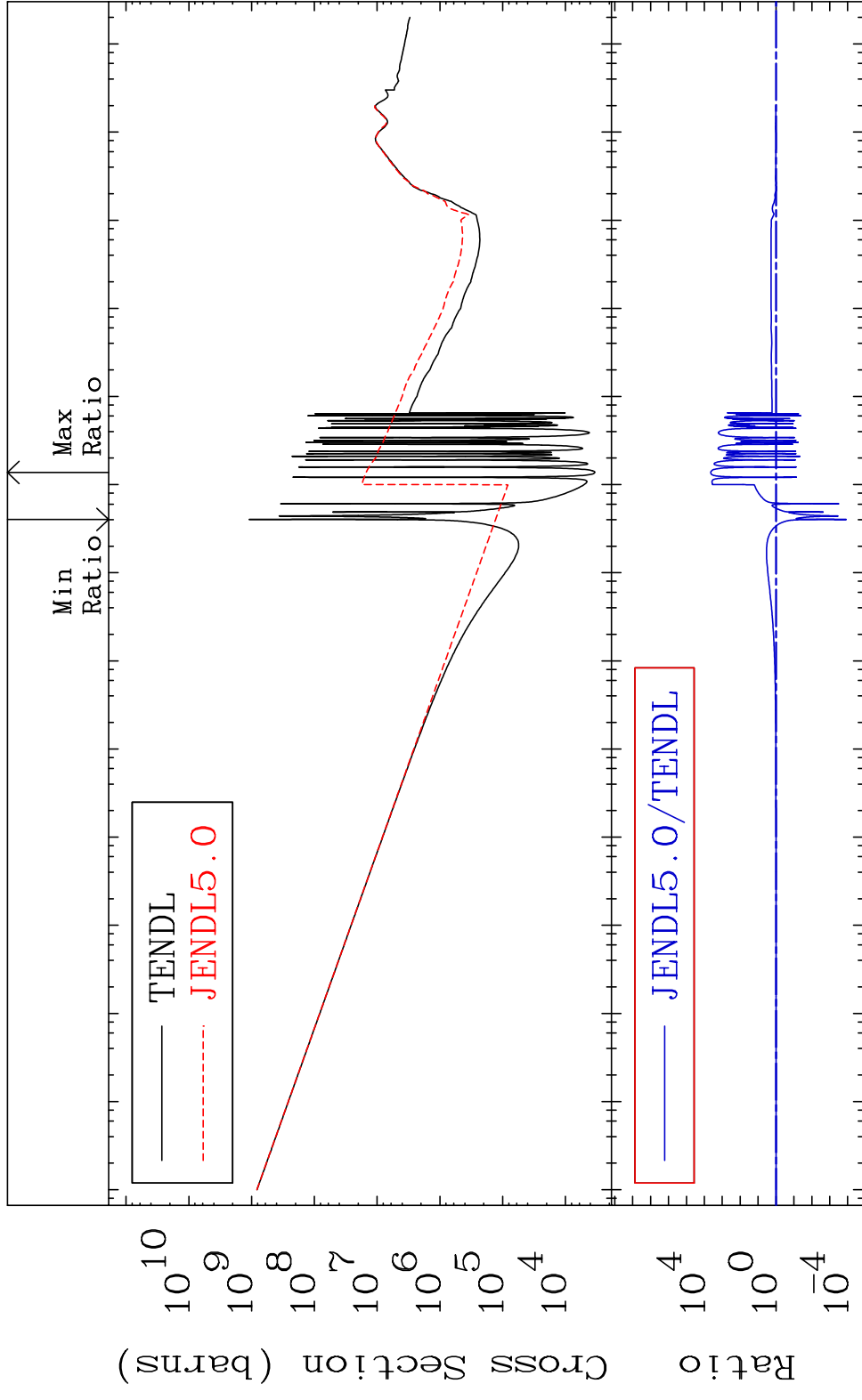


56

Incident Energy (eV)

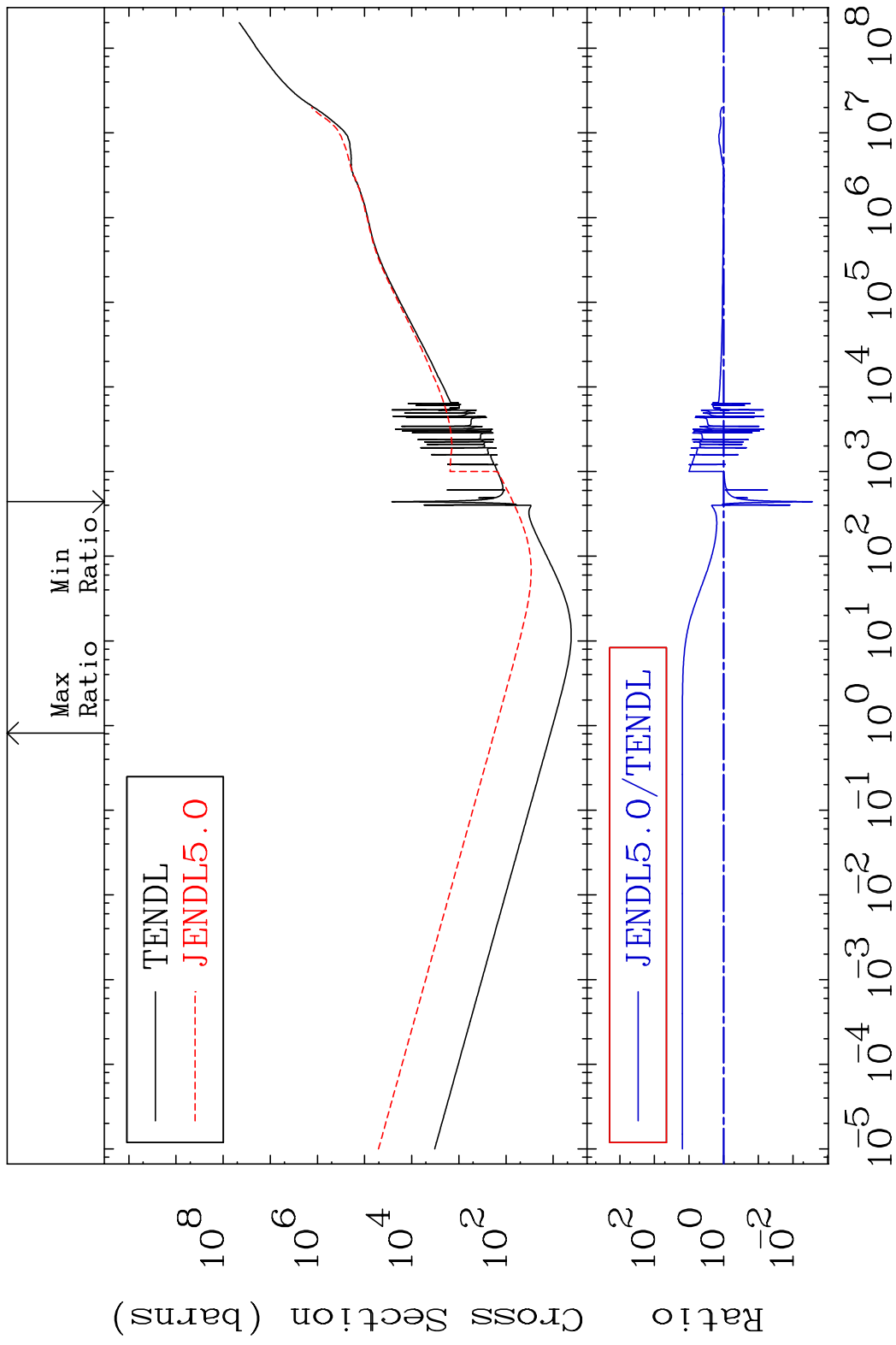
36-Kr-85

MAT 3646 Total photon (eV-barns) 36-Kr-85
 Cross Section -99.99 To 9999. %

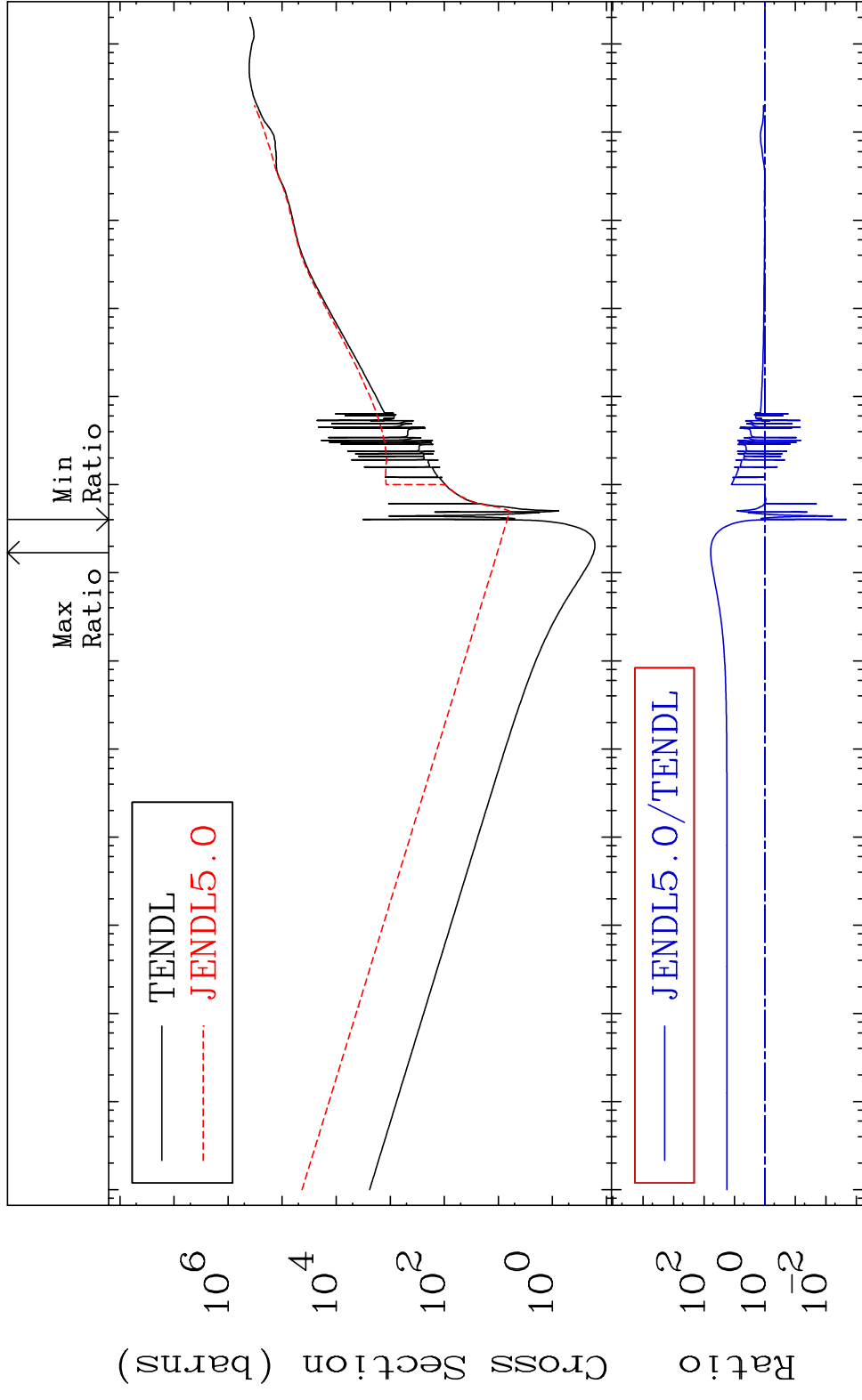


57 Incident Energy (eV) 36-Kr-85

MAT 3646 Total kinematic kerma (high limit) 36-Kr-85
 Cross Section -99.73 To 1463. %



MAT 3646 Dpa total (eV-barns) 36-Kr-85
 Cross Section -99.79 To 5947. %

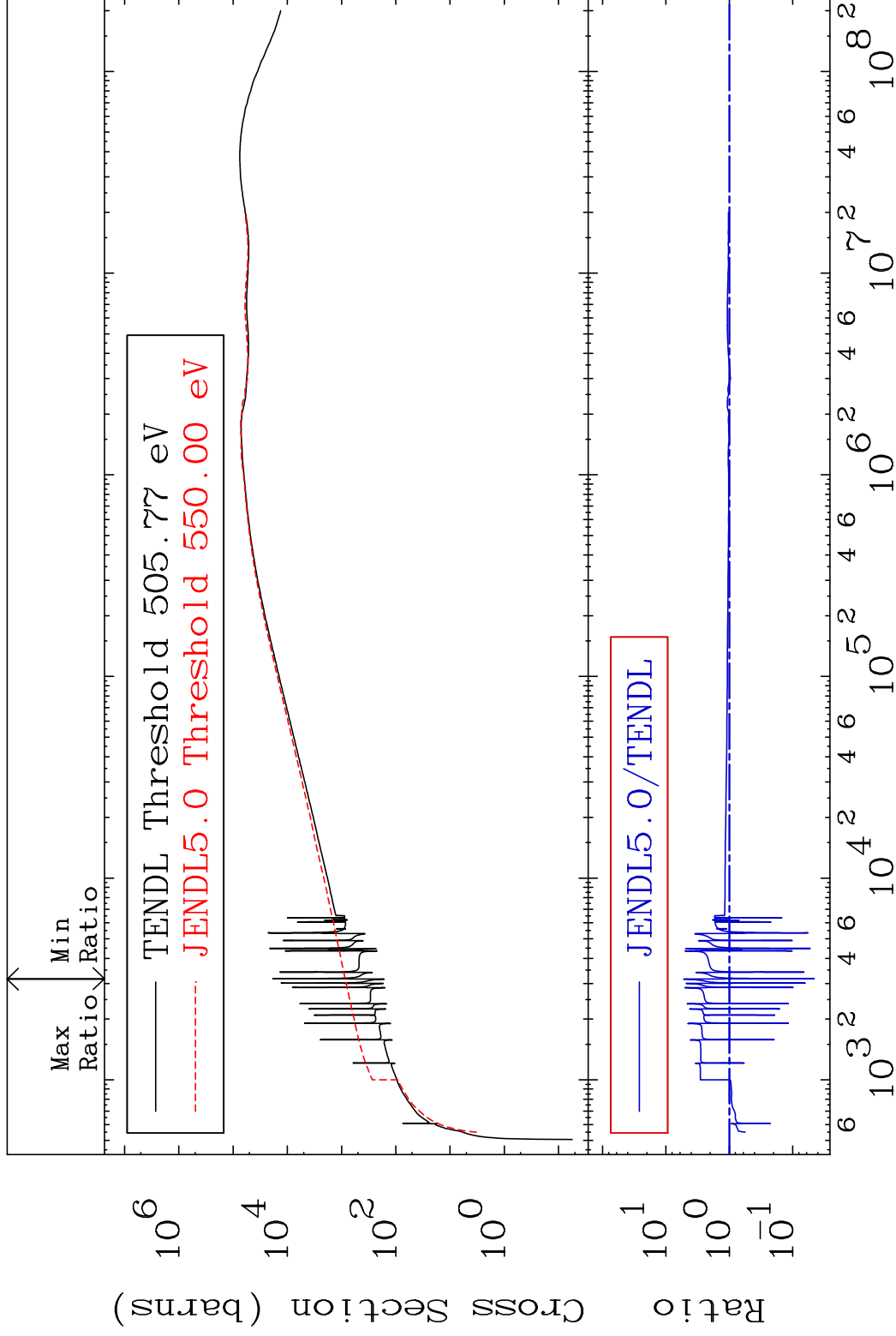


MAT 3646

Dpa elastic (mt2)

36-Kr-85

Cross Section -95.41 To 424.6 %

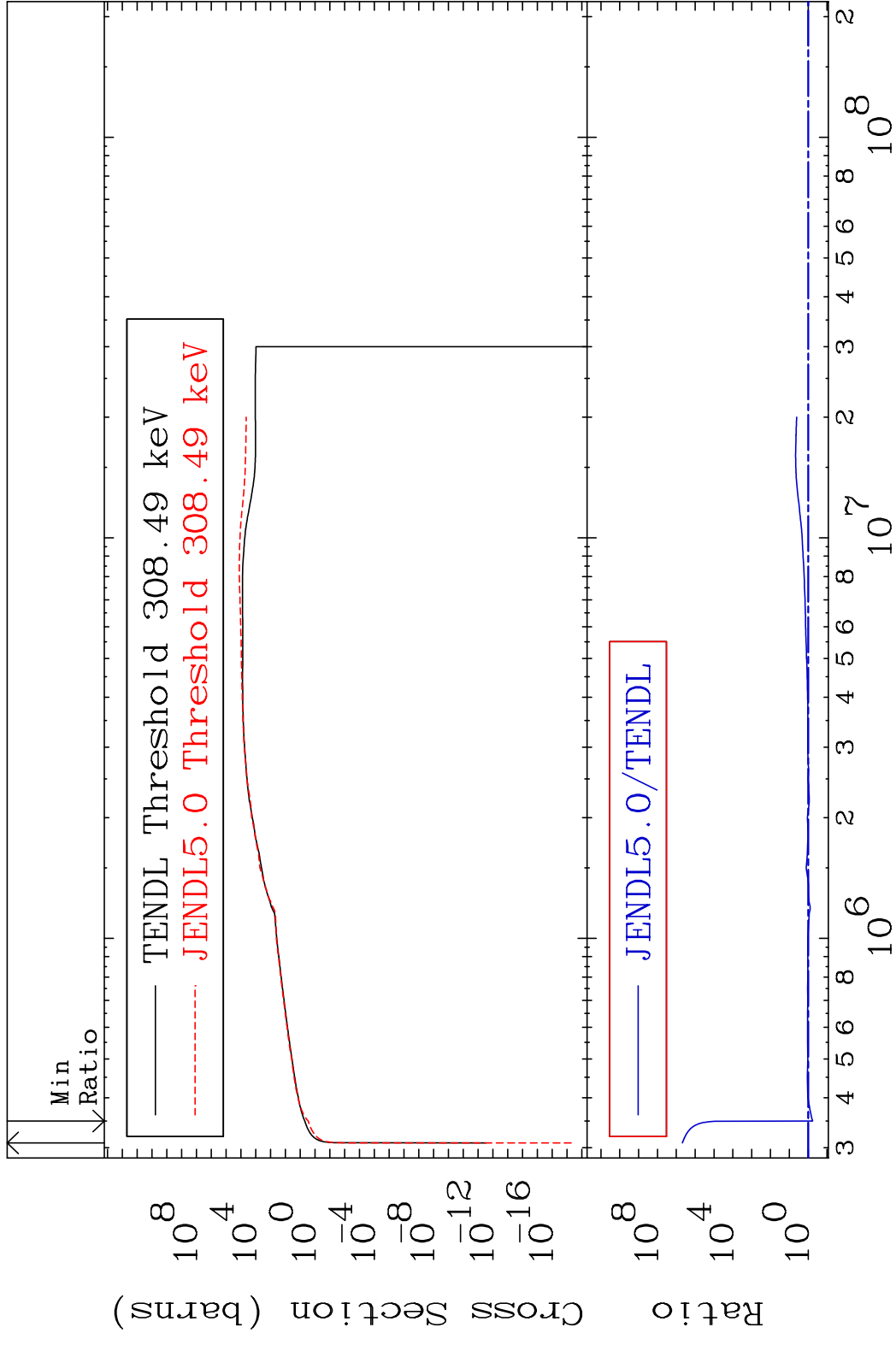


60

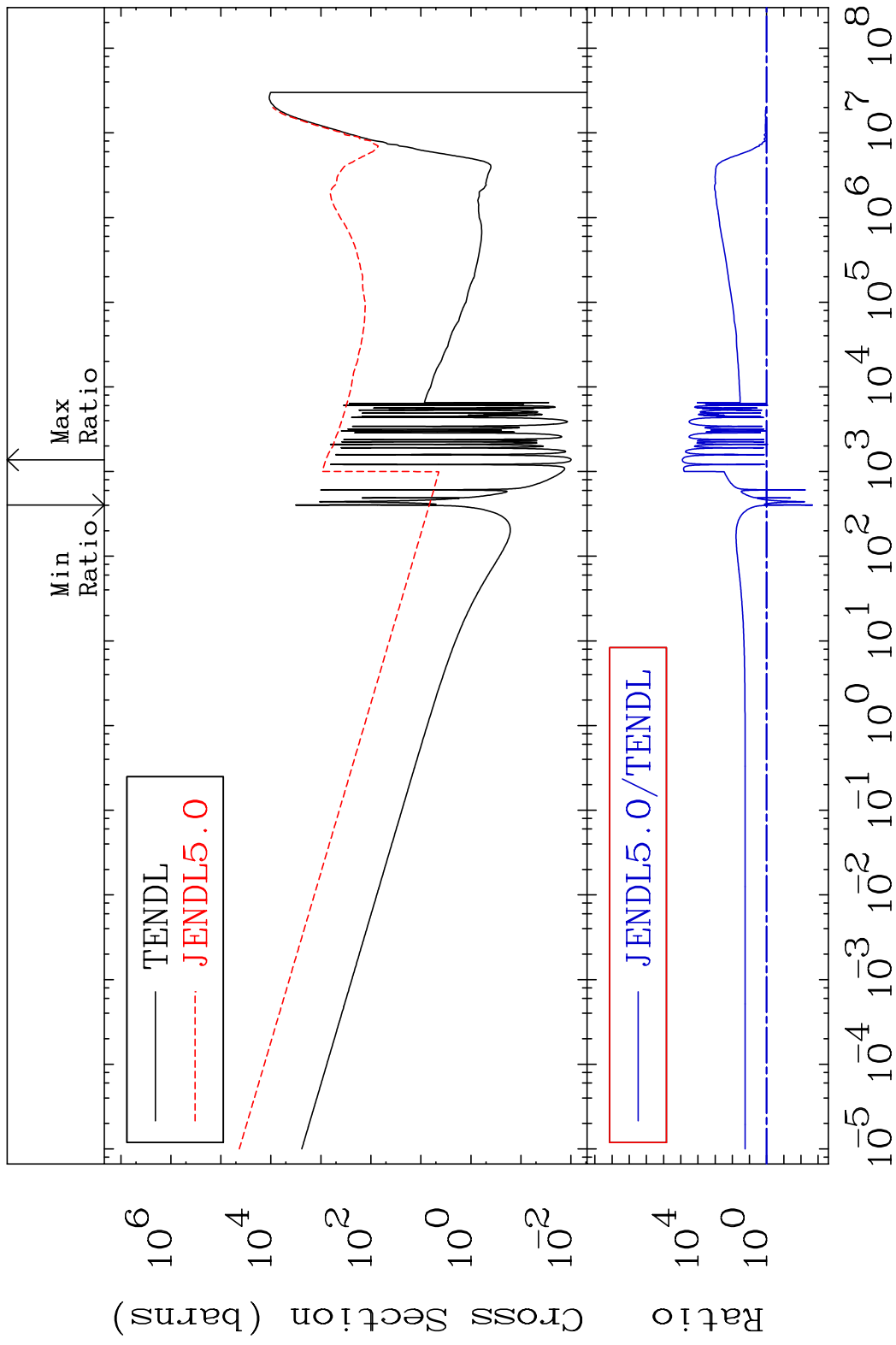
Incident Energy (eV)

36-Kr-85

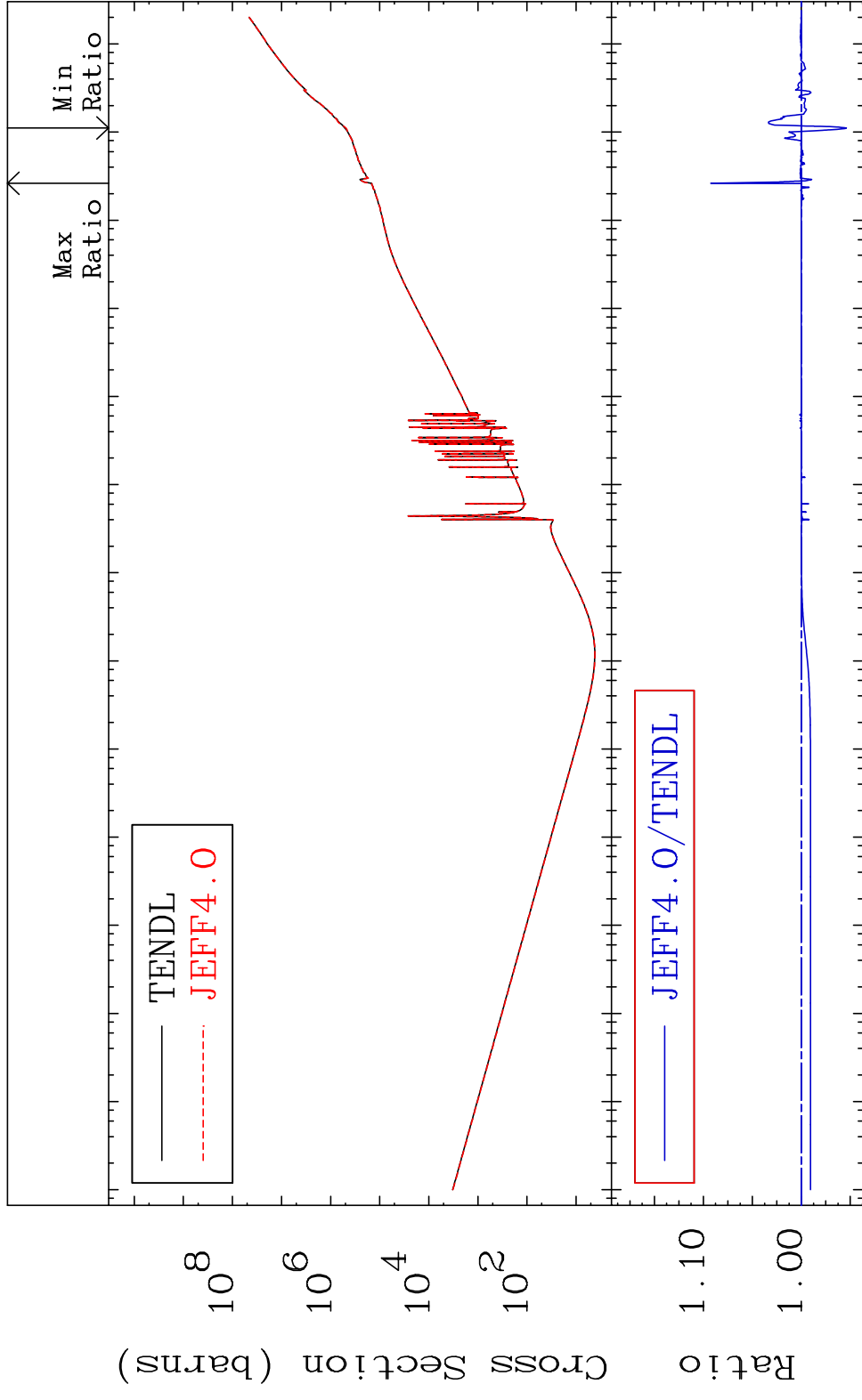
MAT 3646 Dpa inelastic (mt51-91) 36-Kr-85
 Cross Section -41.29 To 9999. %



MAT 3646 Dpa disappearance (mt102 -120) 36-Kr-85
 Cross Section -99.79 To 9999. %

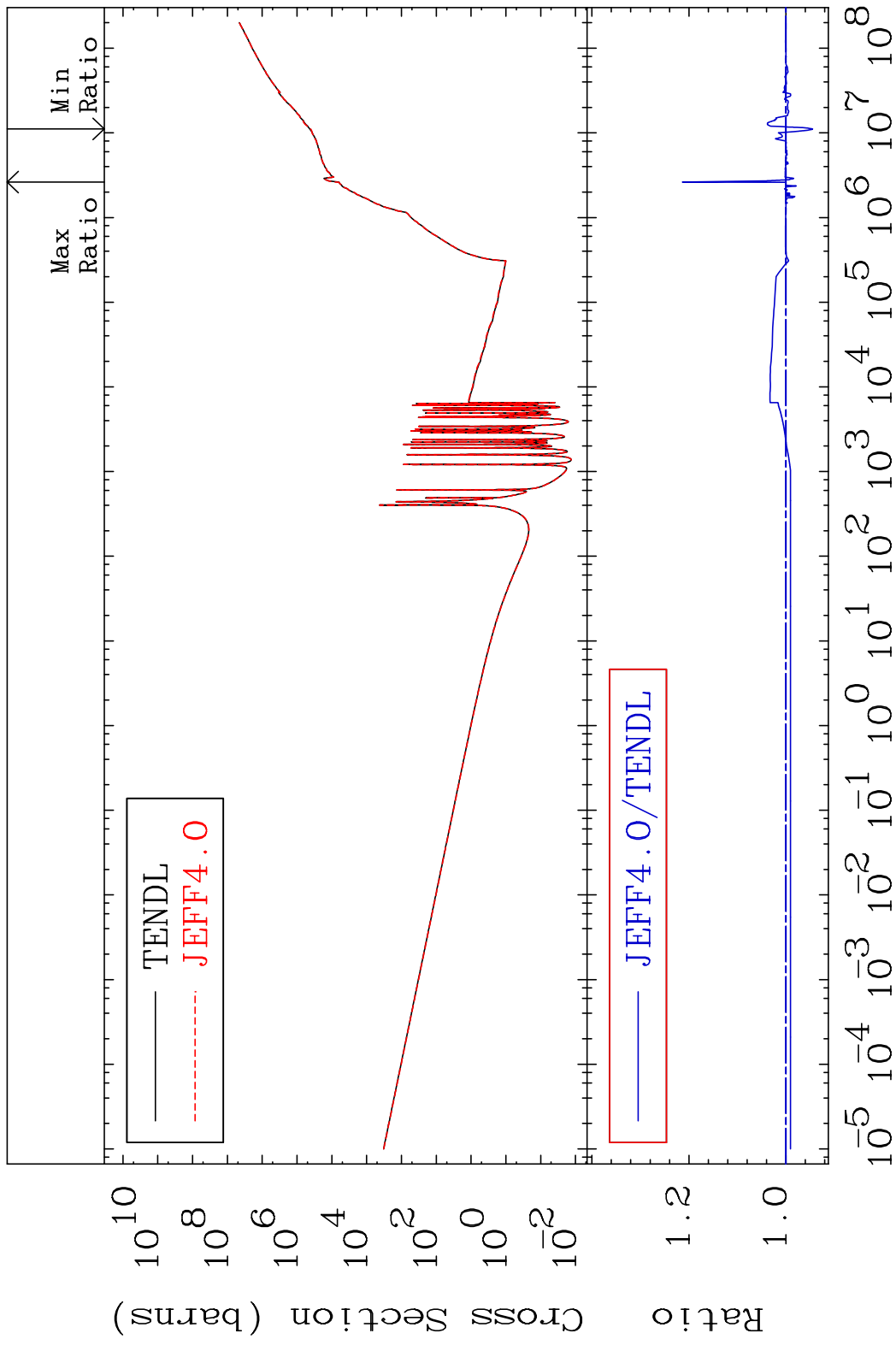


MAT 3646 Kerma total (eV-barns) 36-Kr-85
 Cross Section -4.606 To 9.251 %



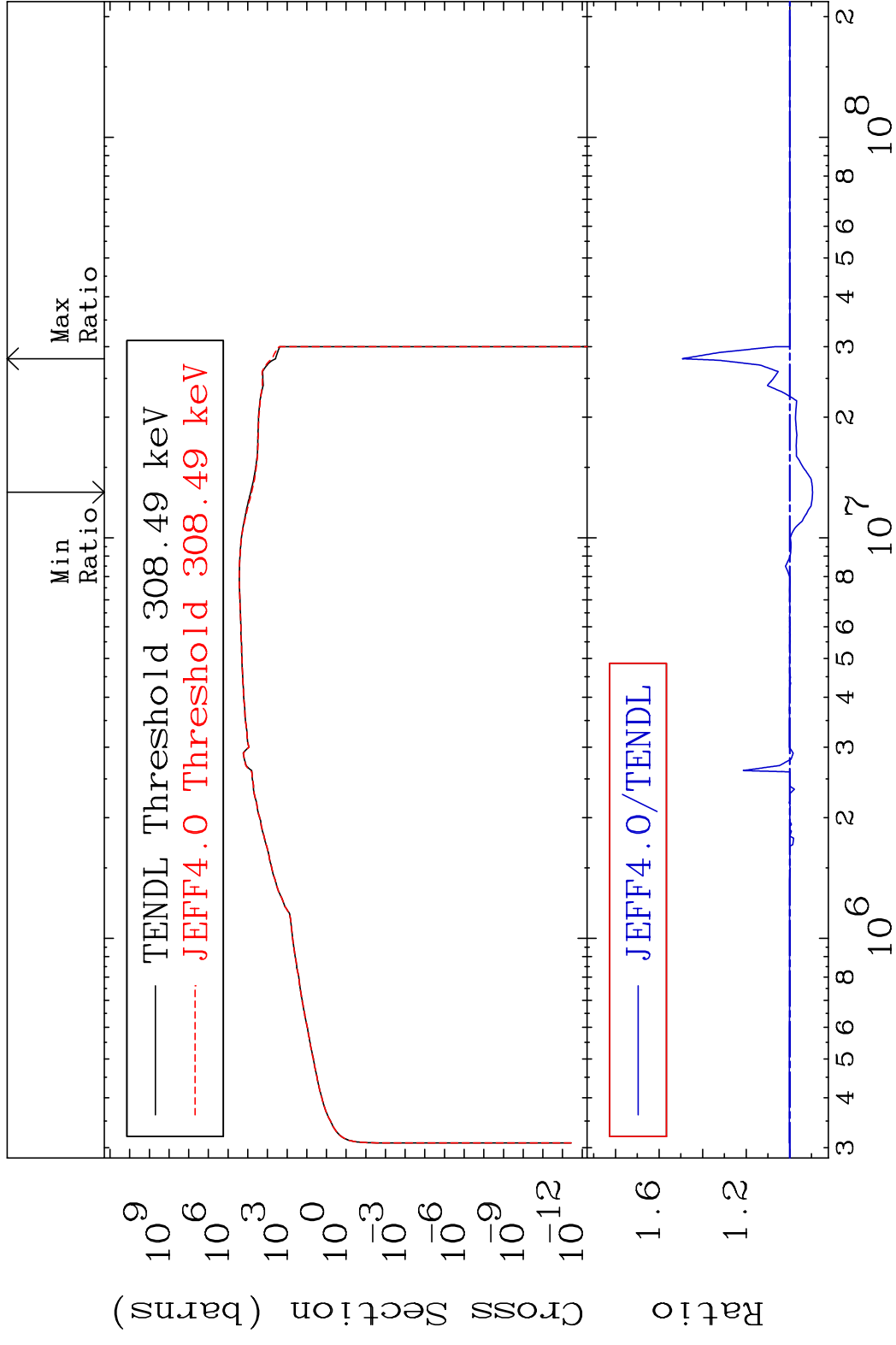
63 Incident Energy (eV) 36-Kr-85

MAT 3646 Kerma non-elastic (all but mt2) 36-Kr-85
 Cross Section -5.483 To 21.36 %

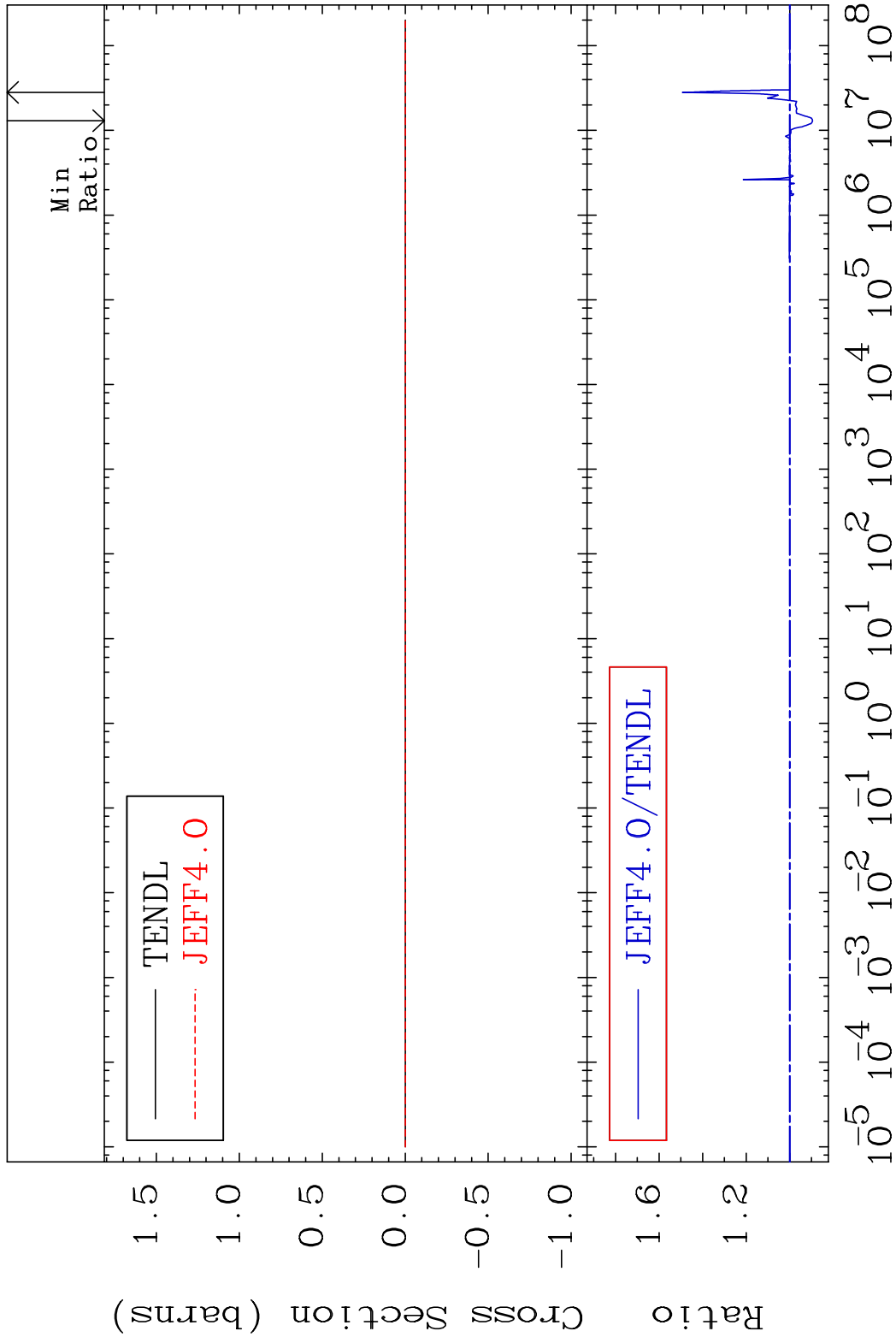


65 Incident Energy (eV) 36-Kr-85

MAT 3646 Kerma inelastic (mt51-91) 36-Kr-85
 Cross Section -10.49 To 49.31 %

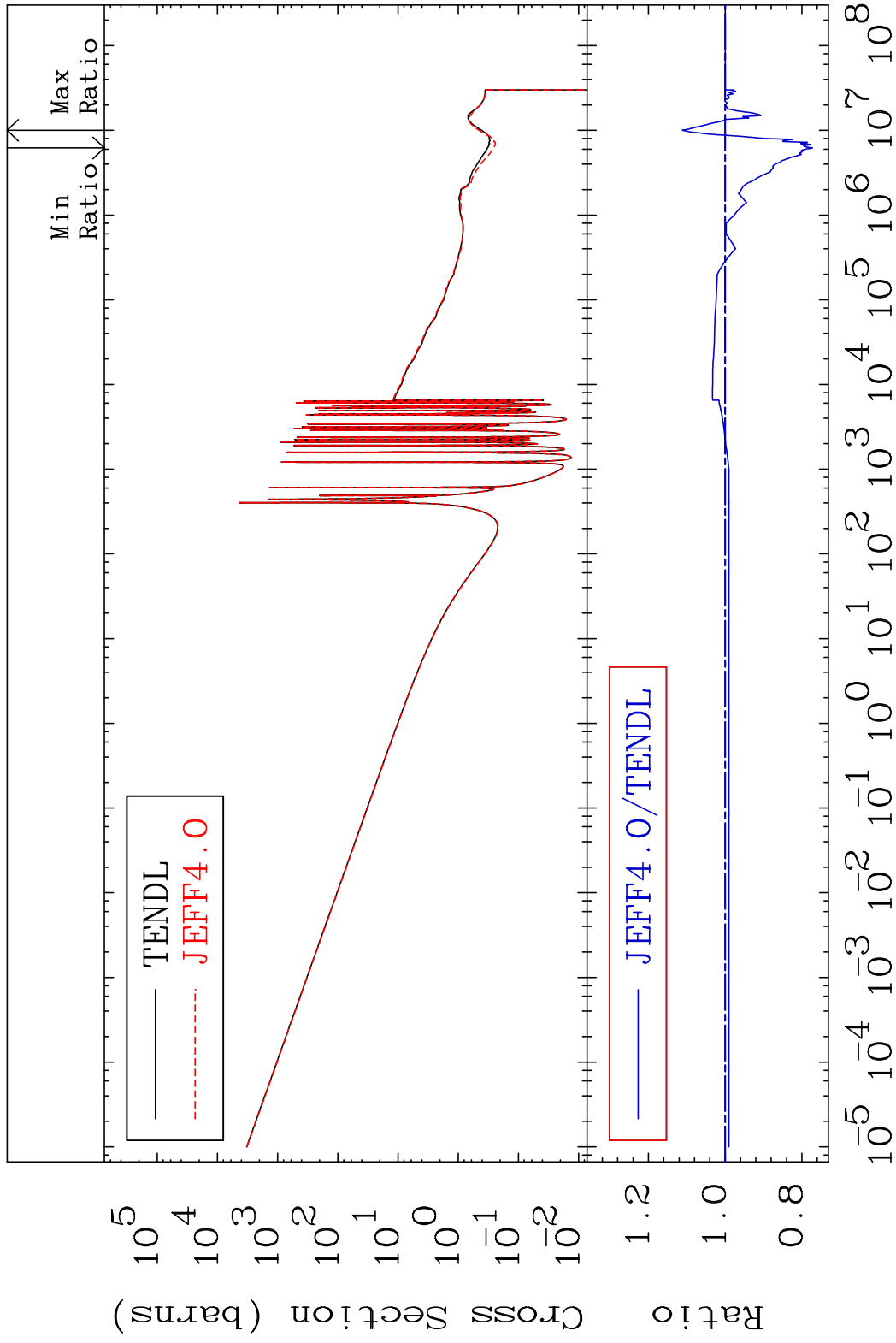


MAT 3646 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-85
 Cross Section -10.49 To 49.31 %



MAT 3646

Kerma capture (mt102) 36-Kr-85
Cross Section -22.77 To 11.15 %



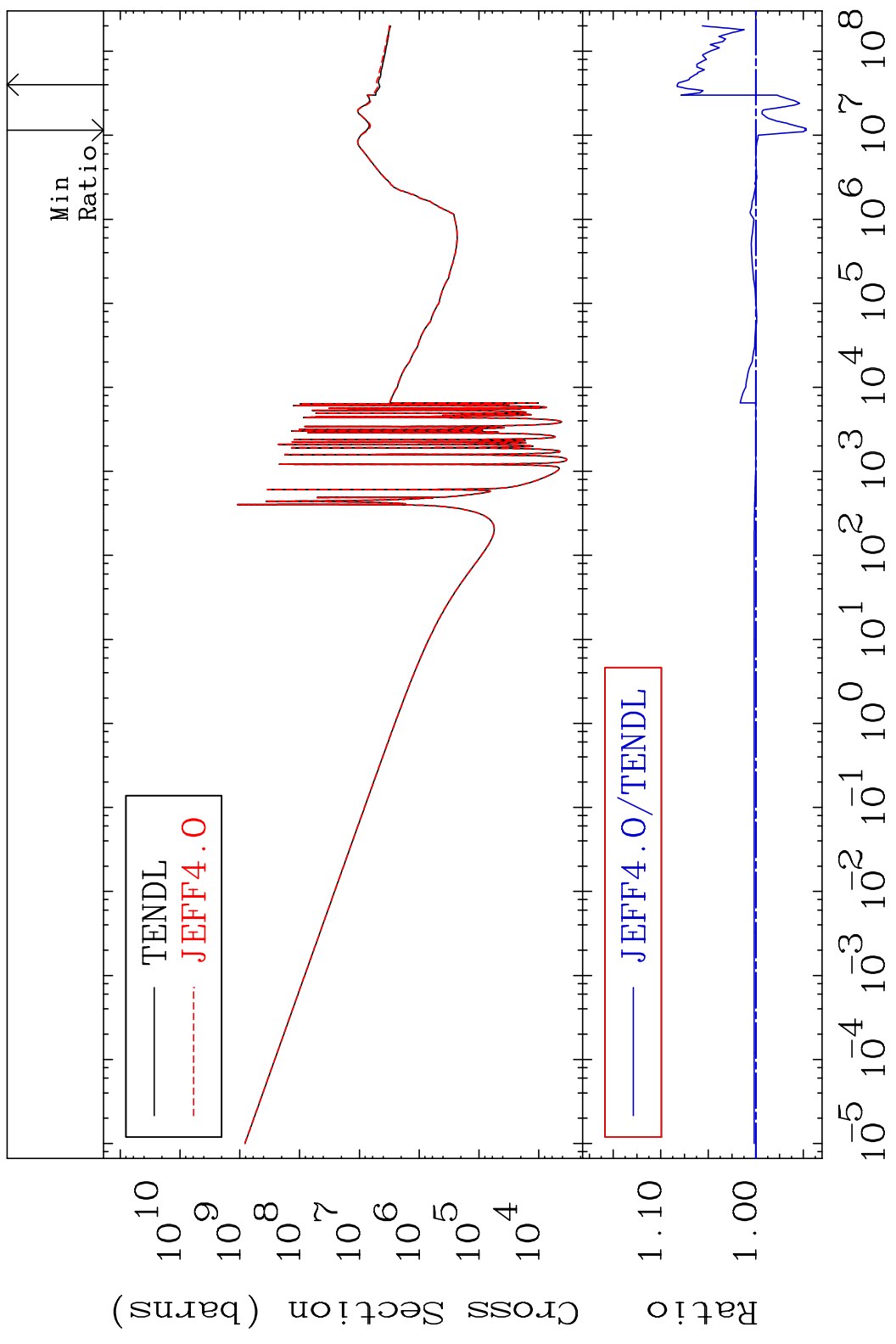
68

Incident Energy (eV)

36-Kr-85

MAT 3646

Total photon (eV-barns) 36-Kr-85
Cross Section -5.316 To 8.270 %

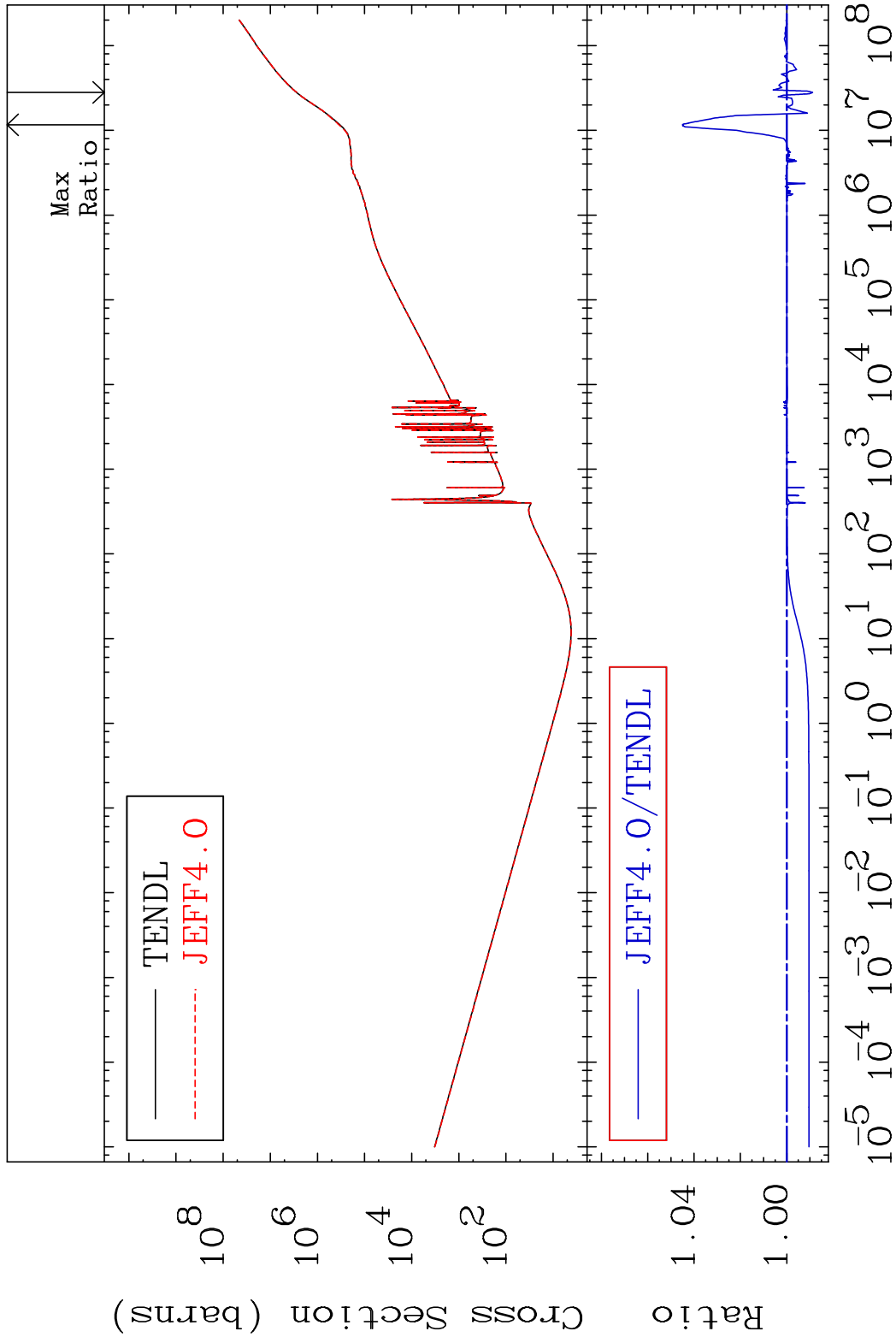


69

Incident Energy (eV)

36-Kr-85

MAT 3646 Total kinematic kerma (high limit) 36-Kr-85
Cross Section -1.113 To 4.506 %



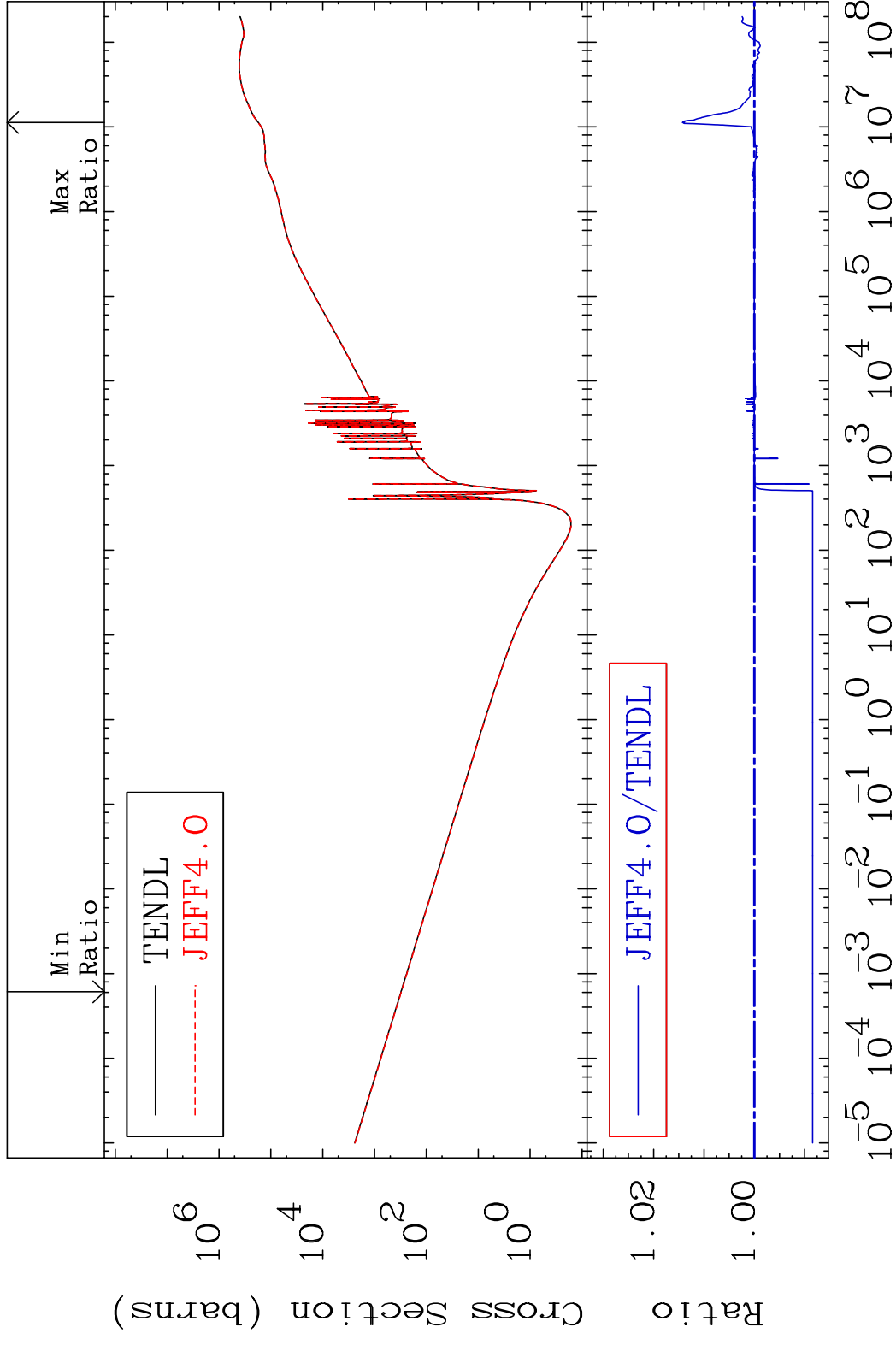
70 Incident Energy (eV) 36-Kr-85

MAT 3646

Dpa total (eV-barns)

36-Kr-85

Cross Section -1.157 To 1.429 %



71

Incident Energy (eV)

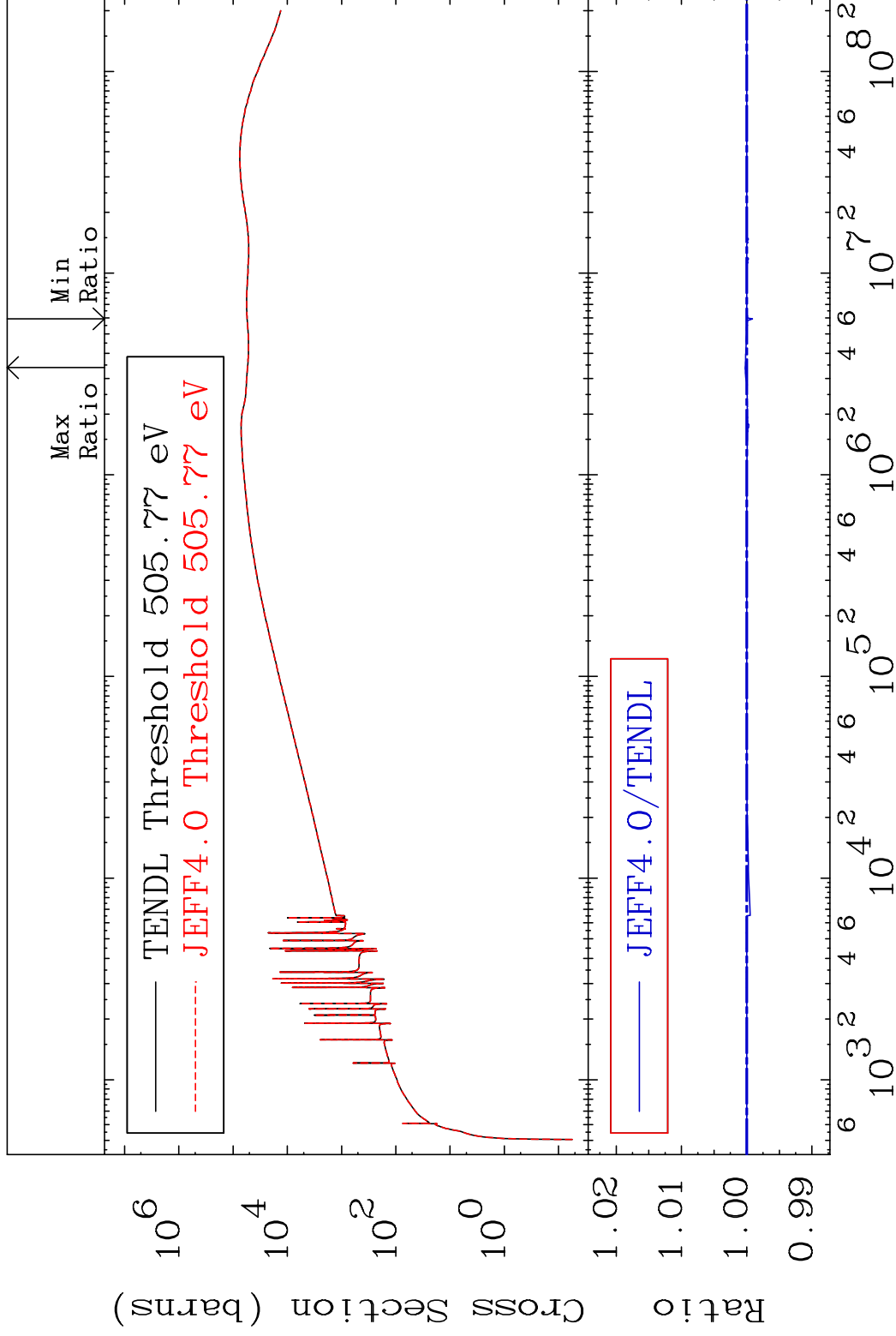
36-Kr-85

MAT 3646

Dpa elastic (mt2)

36-Kr-85

Cross Section -0.089 To 0.023 %

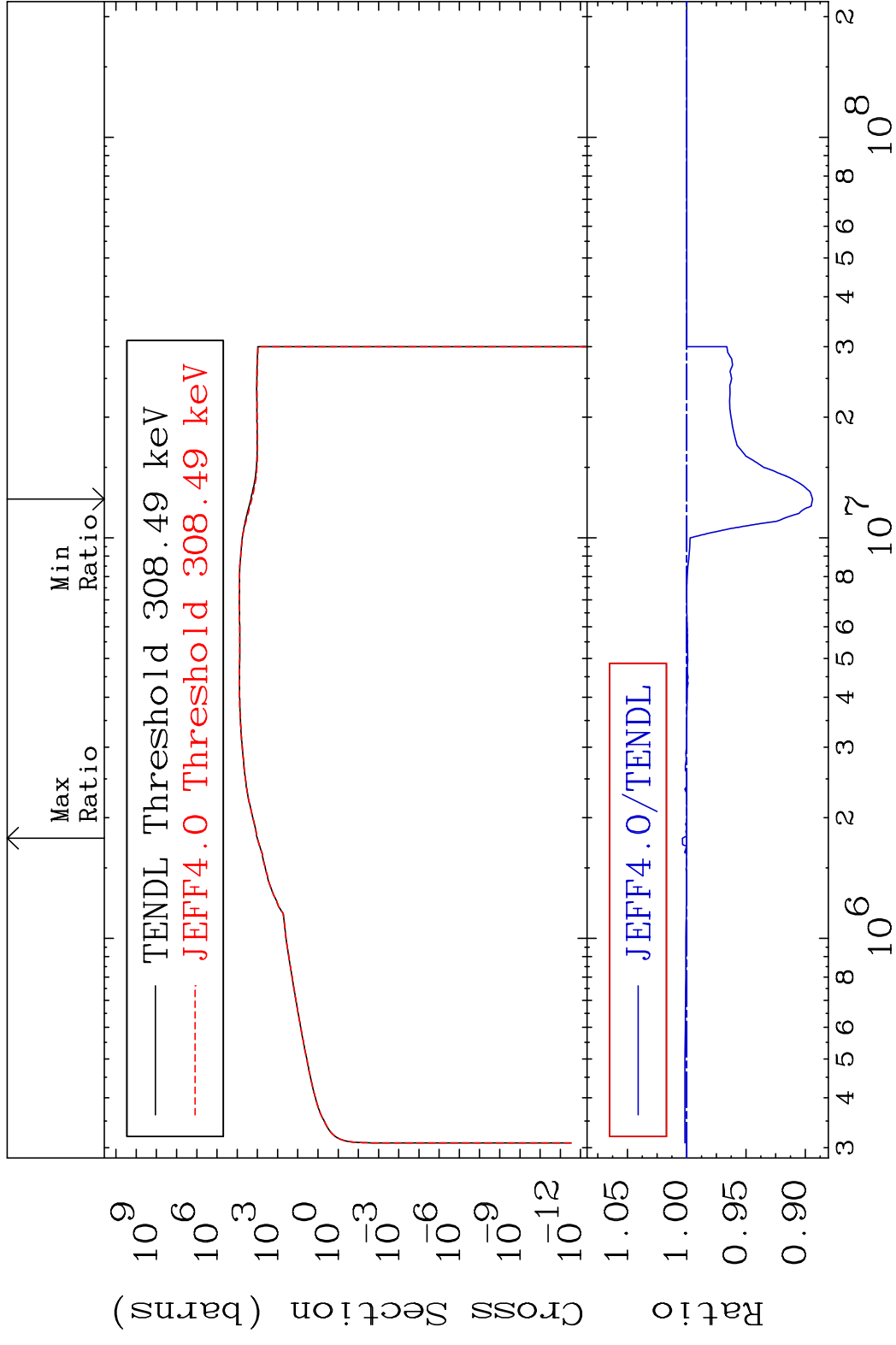


72

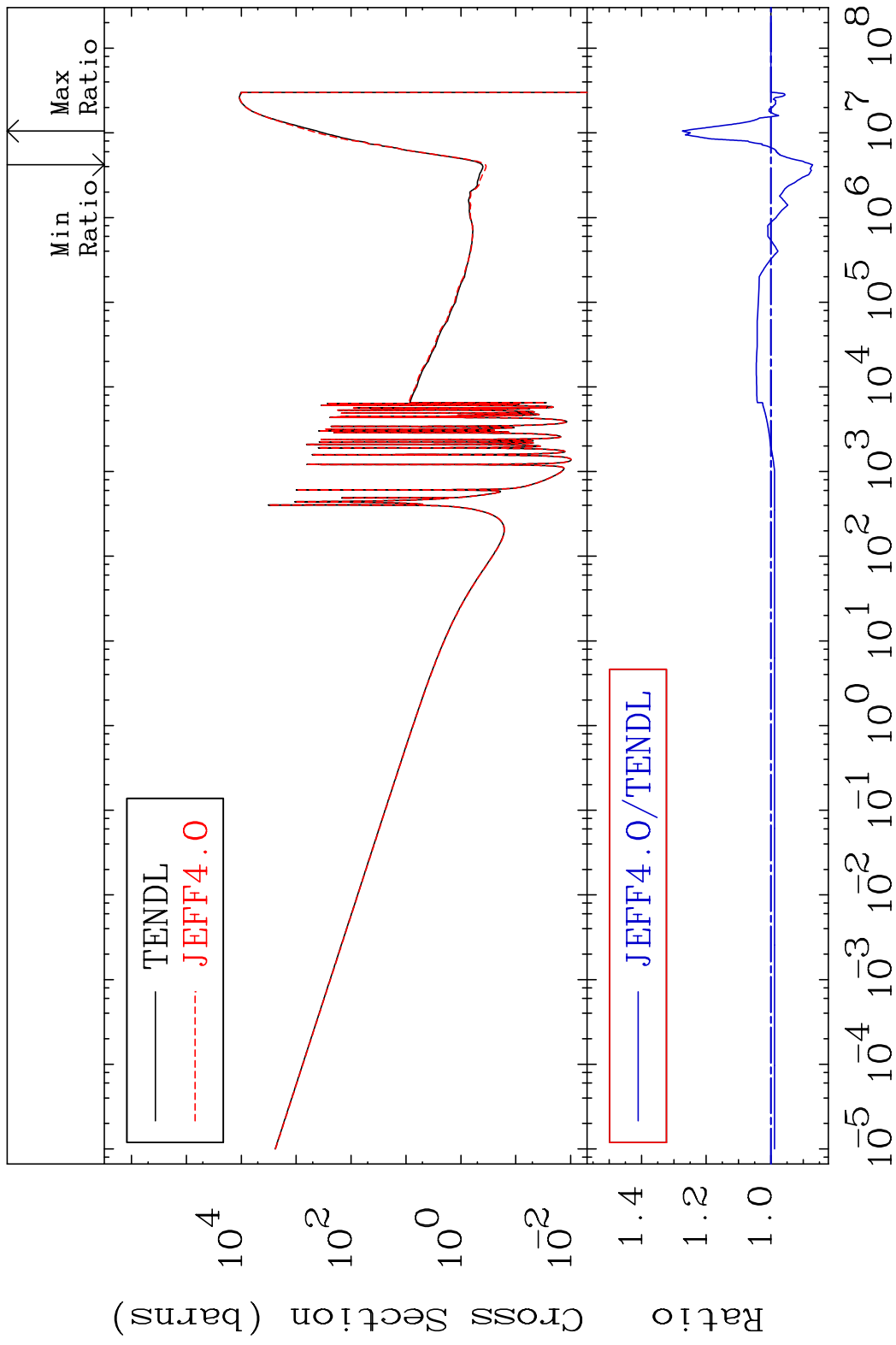
Incident Energy (eV)

36-Kr-85

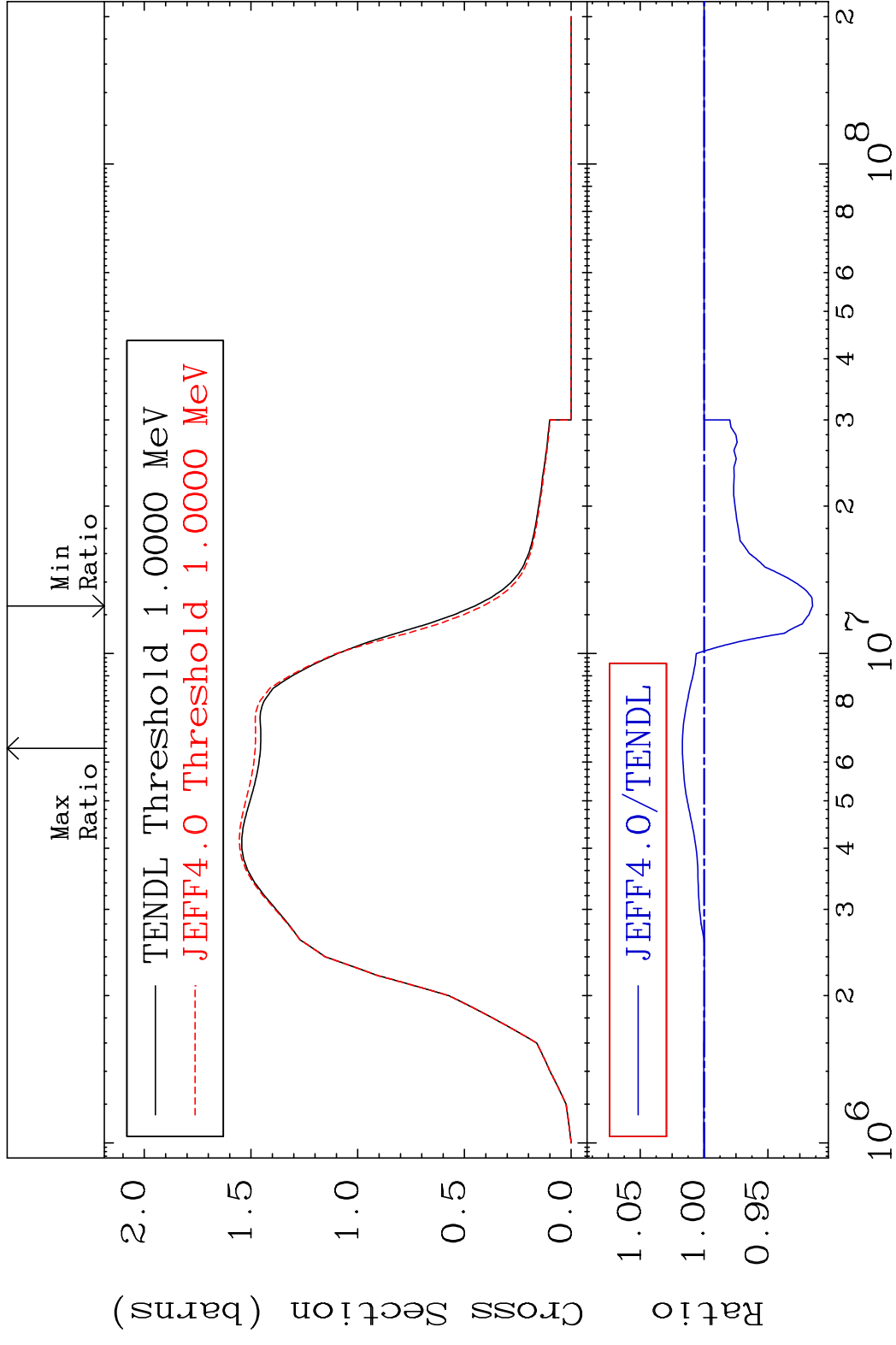
MAT 3646 Dpa inelastic (mt51-91) 36-Kr-85
 Cross Section -10.61 To 0.362 %



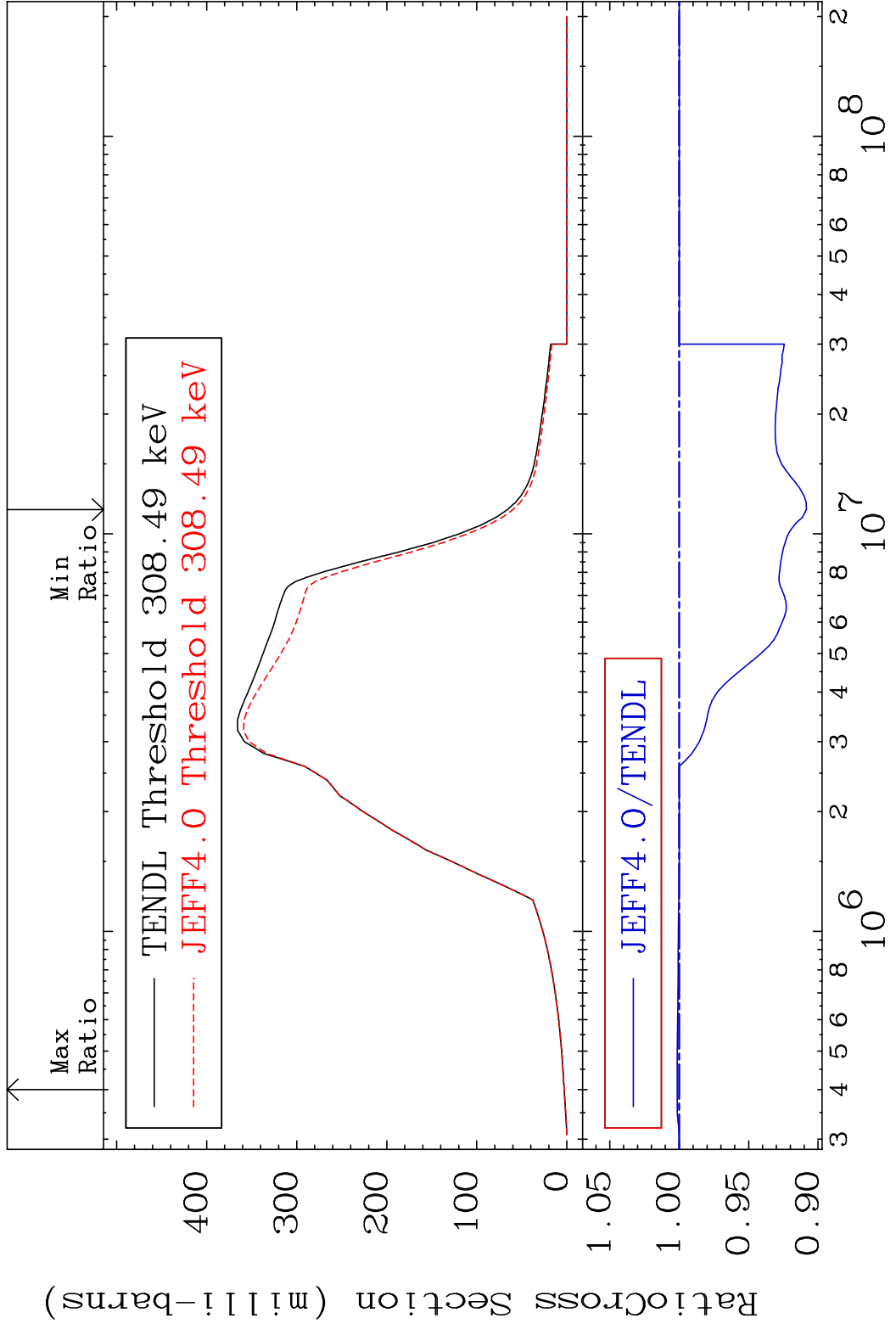
MAT 3646 Dpa disappearance (mt102 -120) 36-Kr-85
 Cross Section -12.89 To 27.38 %



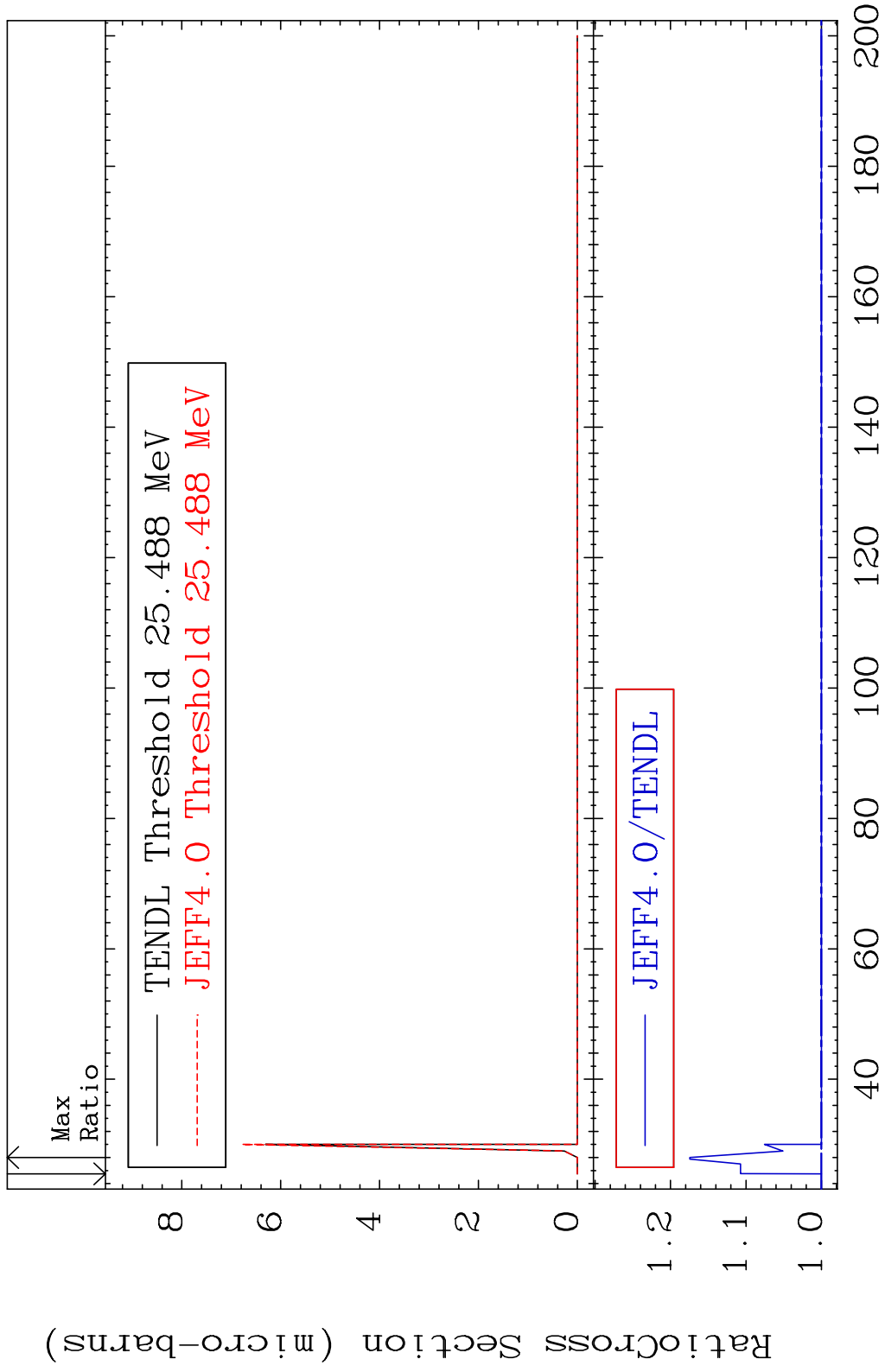
MAT 3646 Inelastic:36-Kr-85g 36-Kr-85
 Radionuclide Production Cross Section 1.700 %



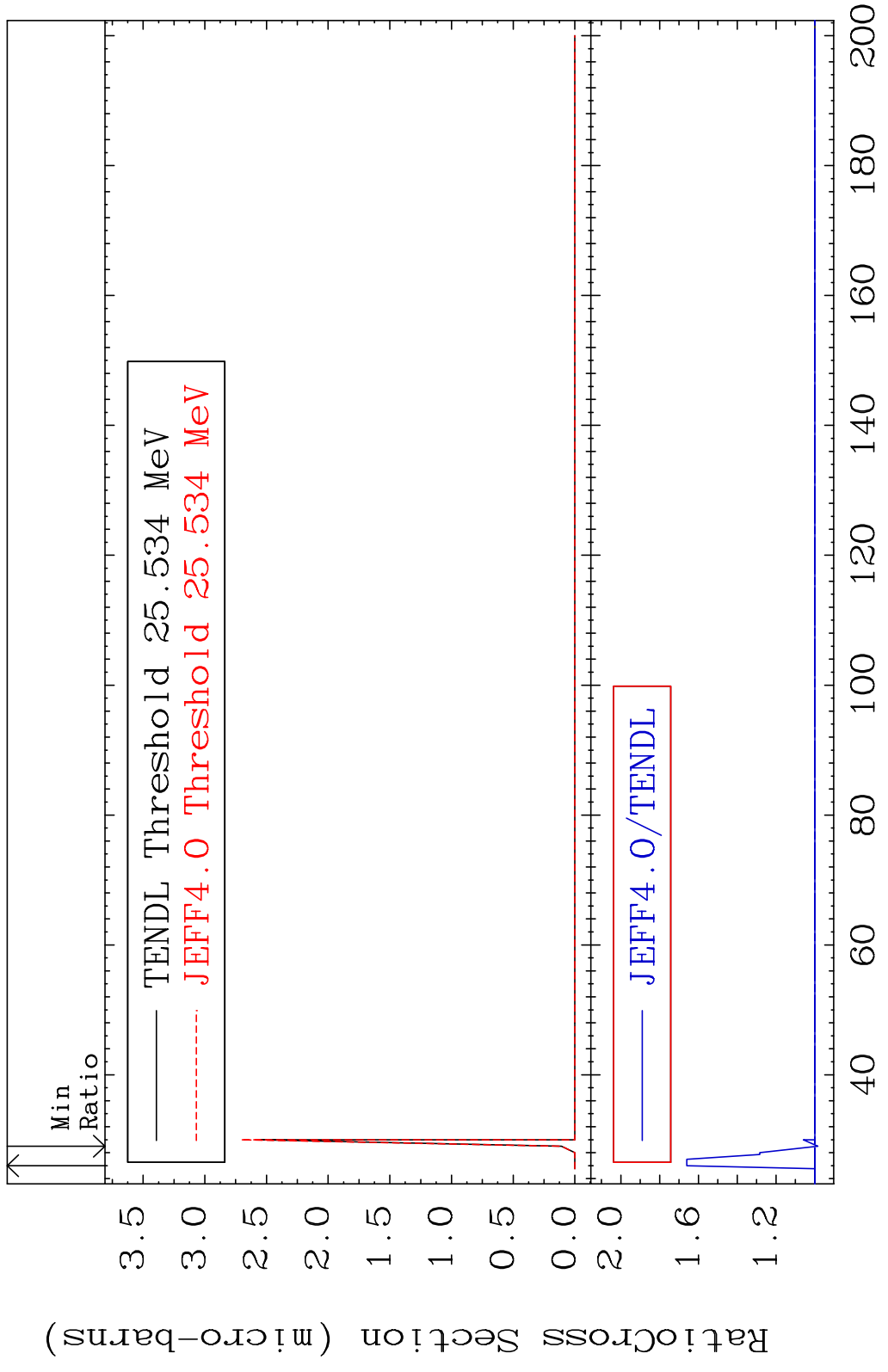
75 Incident Energy (eV) 36-Kr-85



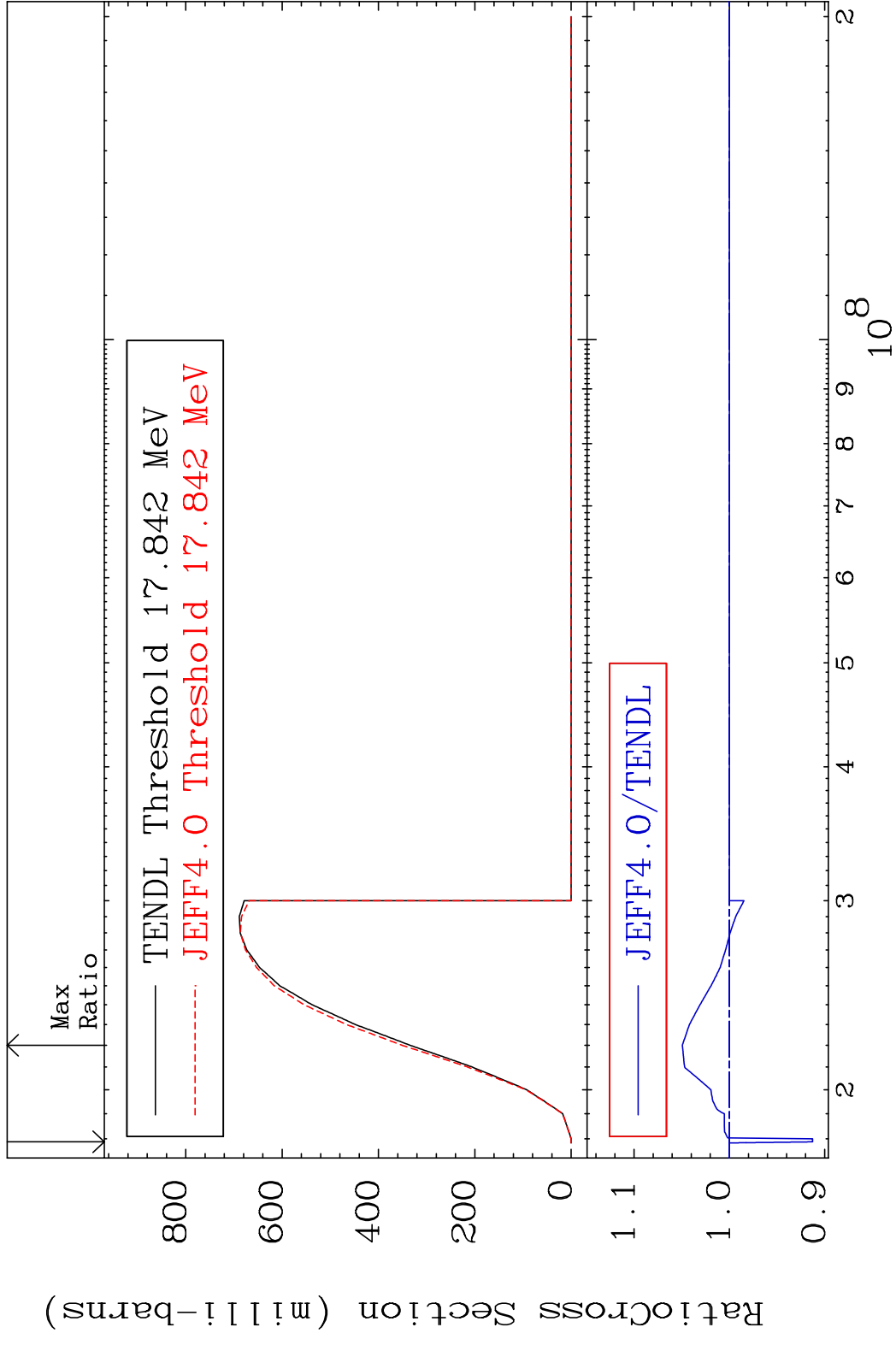
MAT 3646 (n,2n) d:35-Br-82g 36-Kr-85
 Radionuclide Production Cross Section 17.45 %



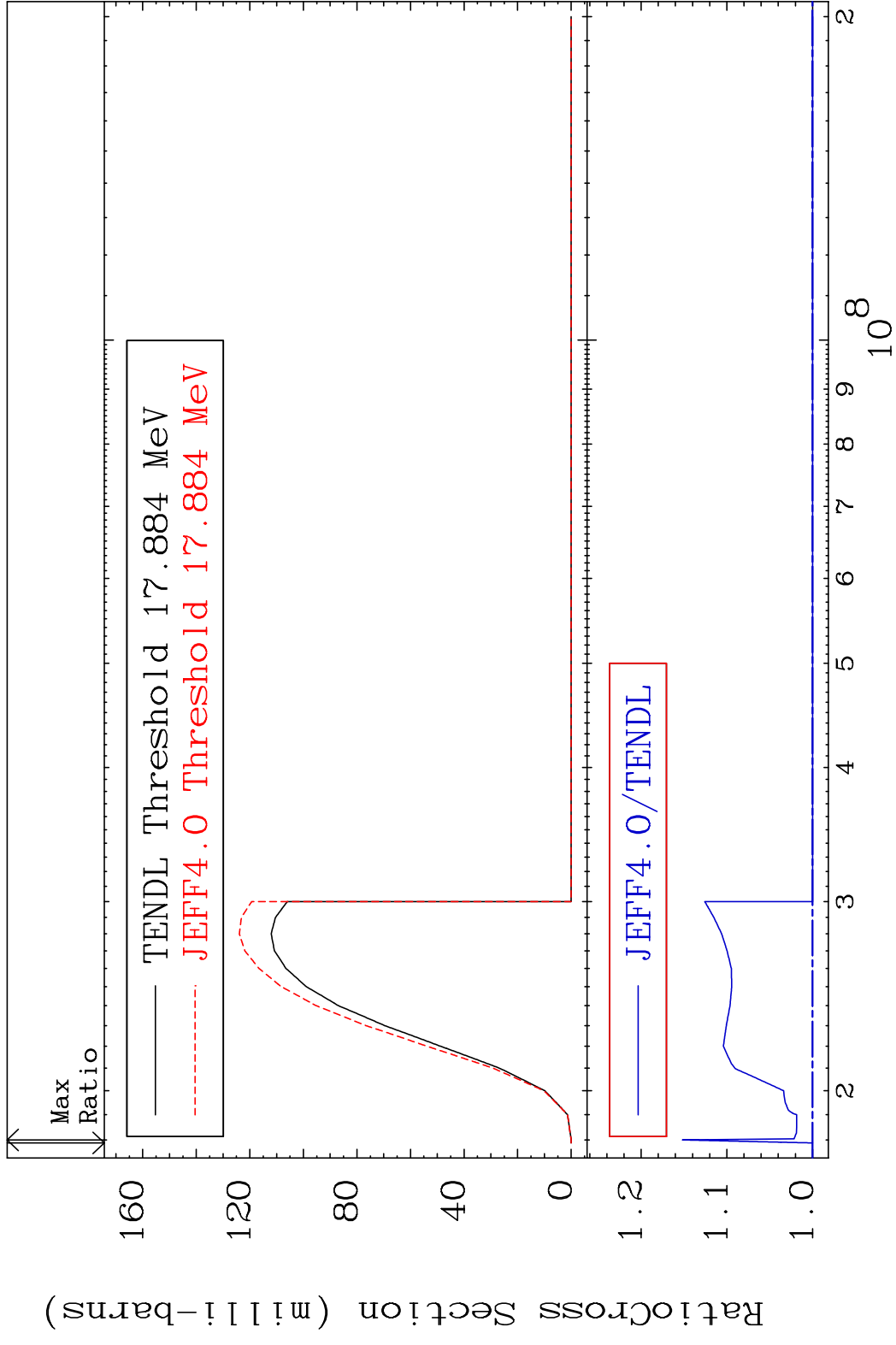
MAT 3646 (n,2n) d:35-Br-82m1 36-Kr-85
 Radionuclide Production Cross Section 66.02 %



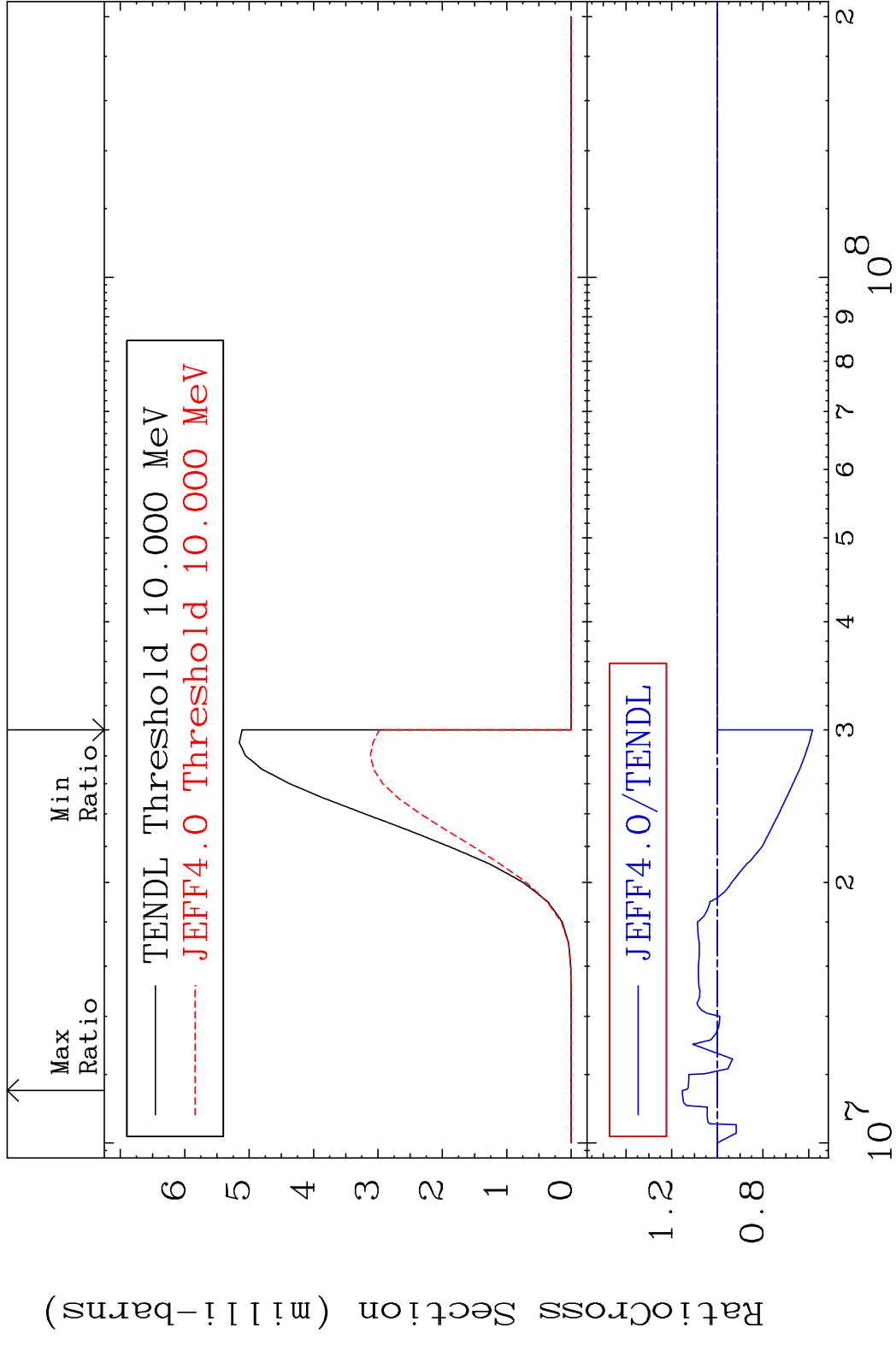
MAT 3646 (n,3n):36-Kr-83g 36-Kr-85
 Radionuclide Production Cross Section 4.933 %



MAT 3646 (n,3n):36-Kr-83m2 36-Kr-85
 Radionuclide Production Cross Section 15.19 %

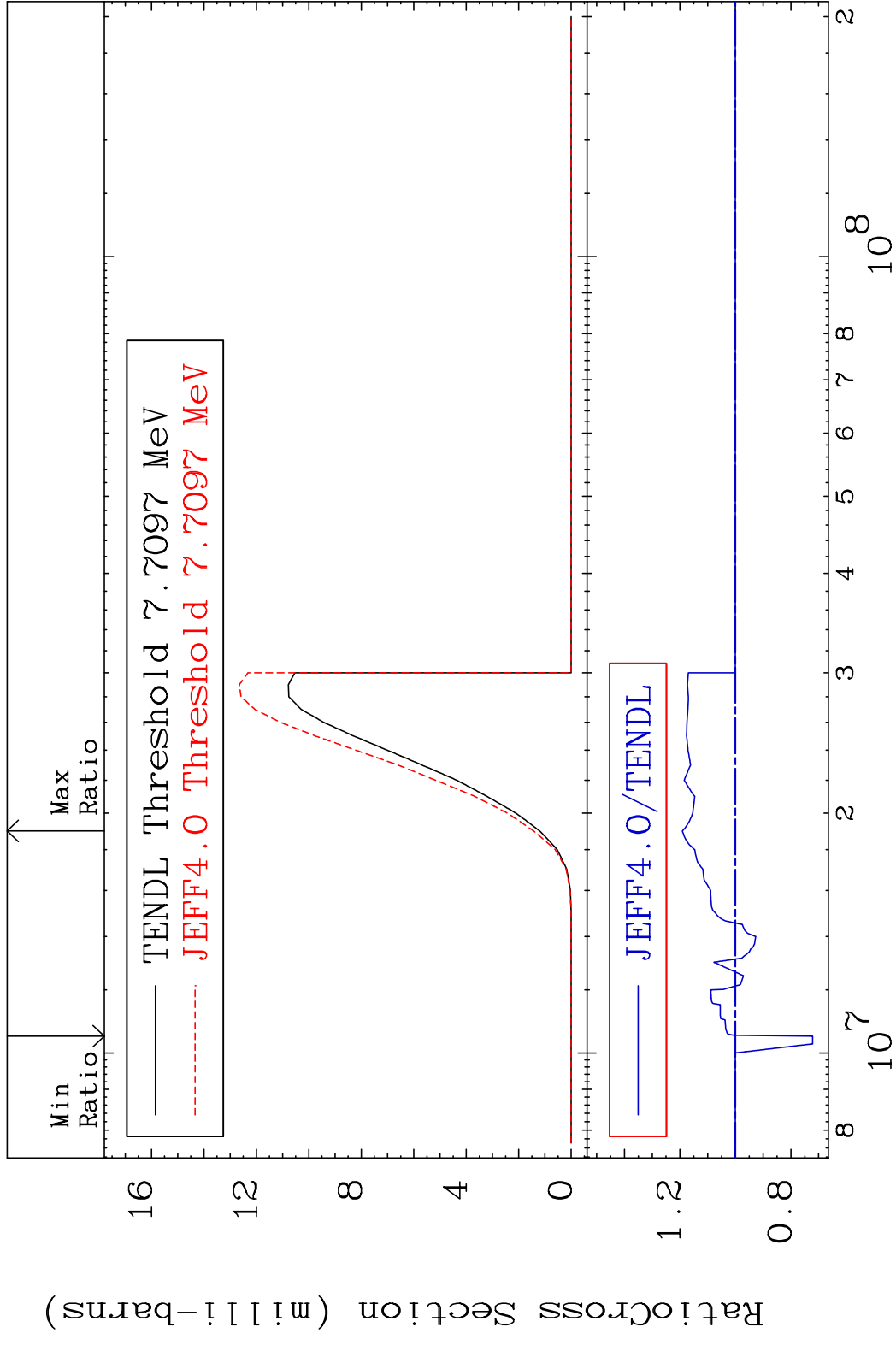


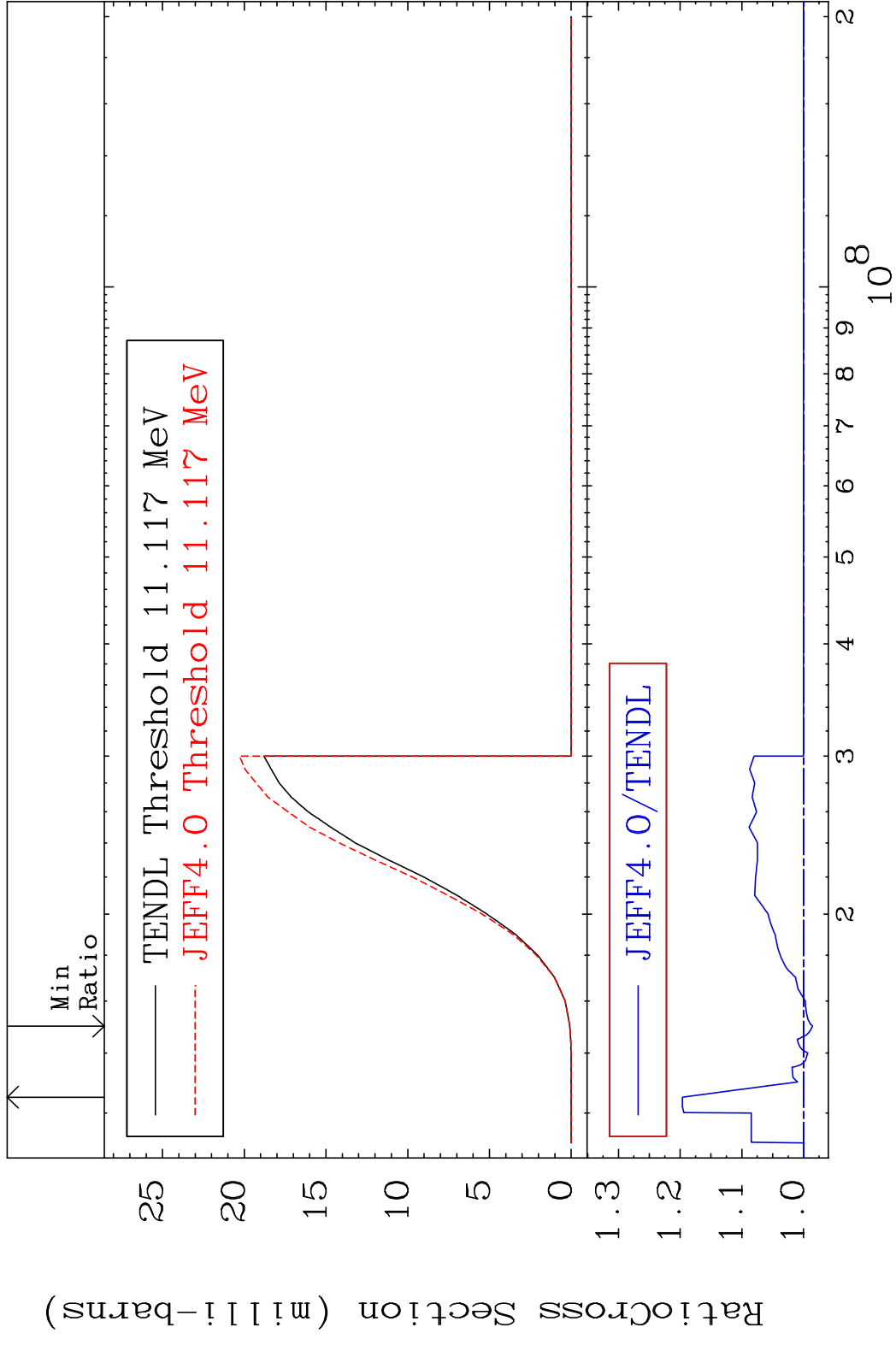
MAT 3646 (n, n') α :34-Se-81g 36-Kr-85
 Radionuclide Production Cross Section 15.33 %



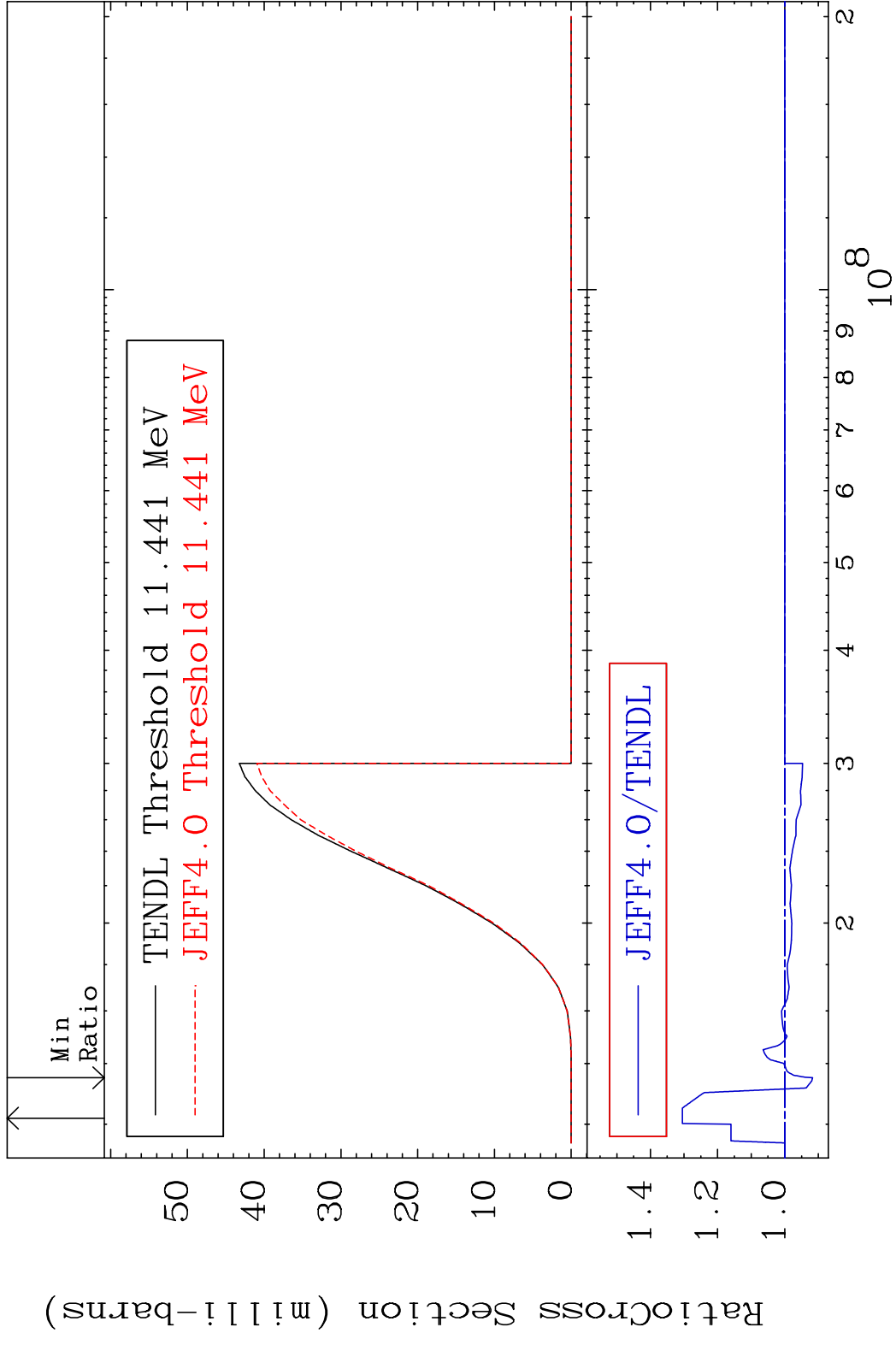
81 36-Kr-85

MAT 3646 (n, n') α :34-Se-81m1 36-Kr-85
 Radionuclide Production Cross Section 19.13 %

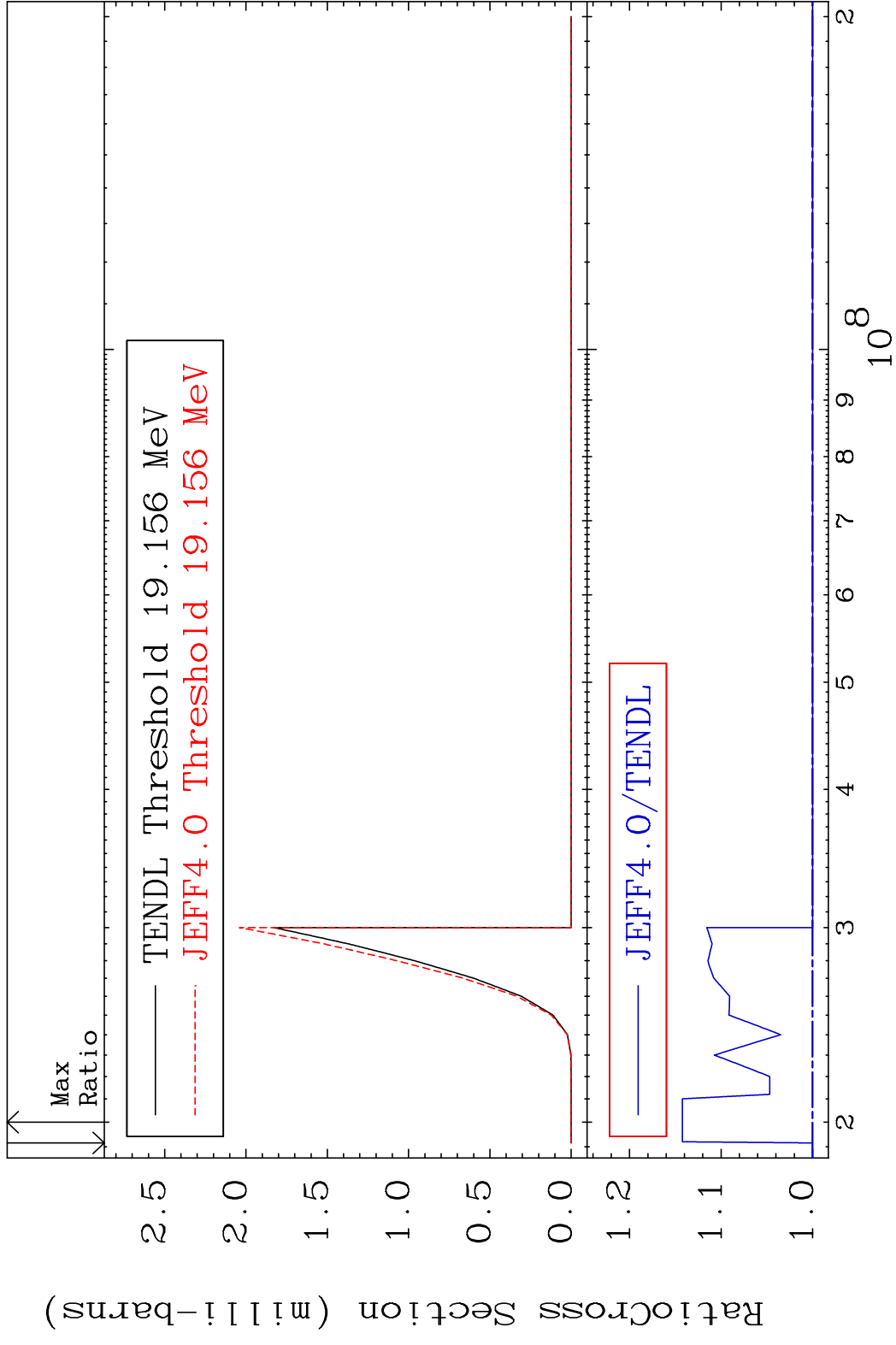




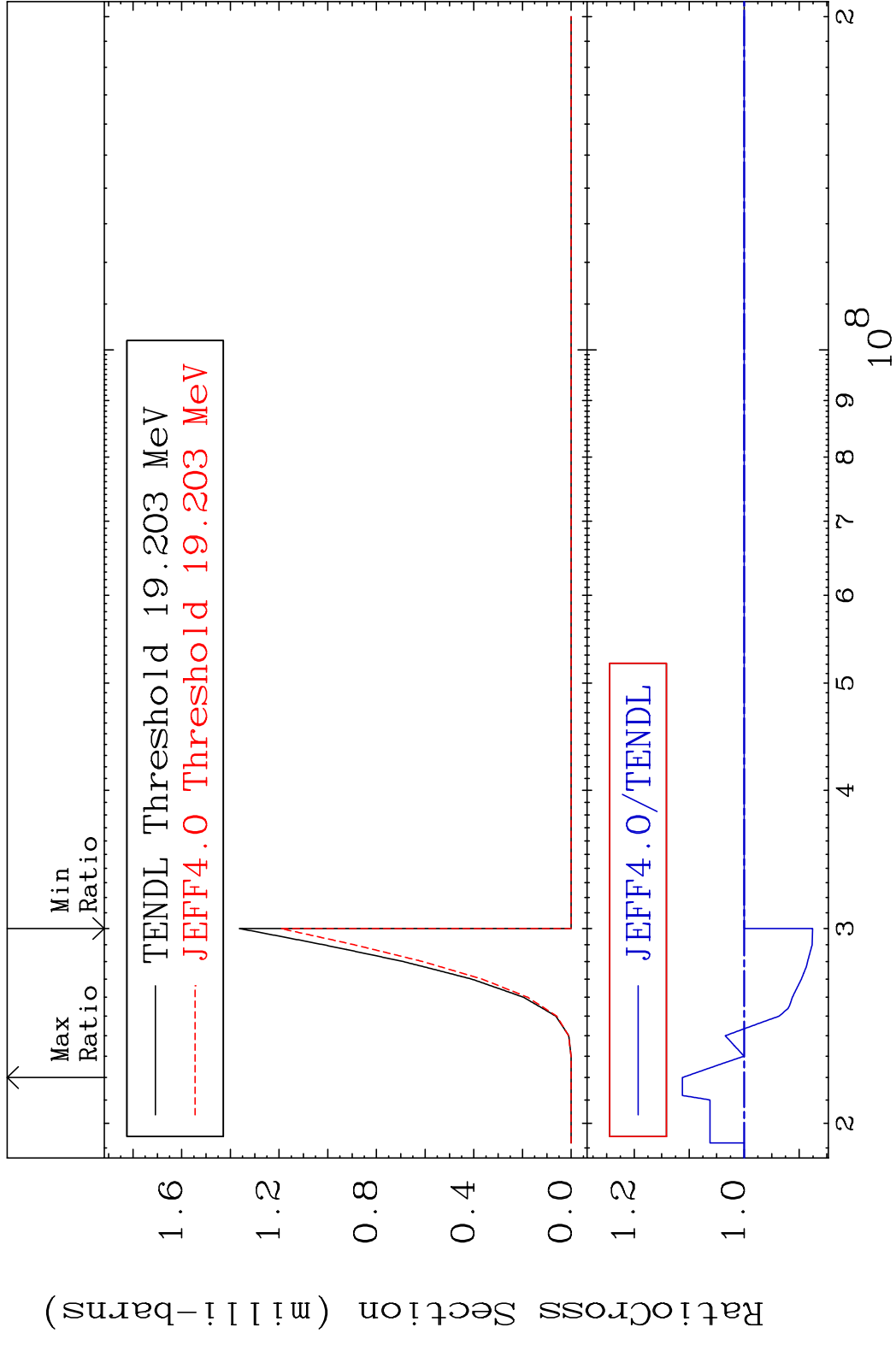
MAT 3646 (n, n') p:35-Br-84m1 36-Kr-85
 Radionuclide Production Cross Section 30.49 %

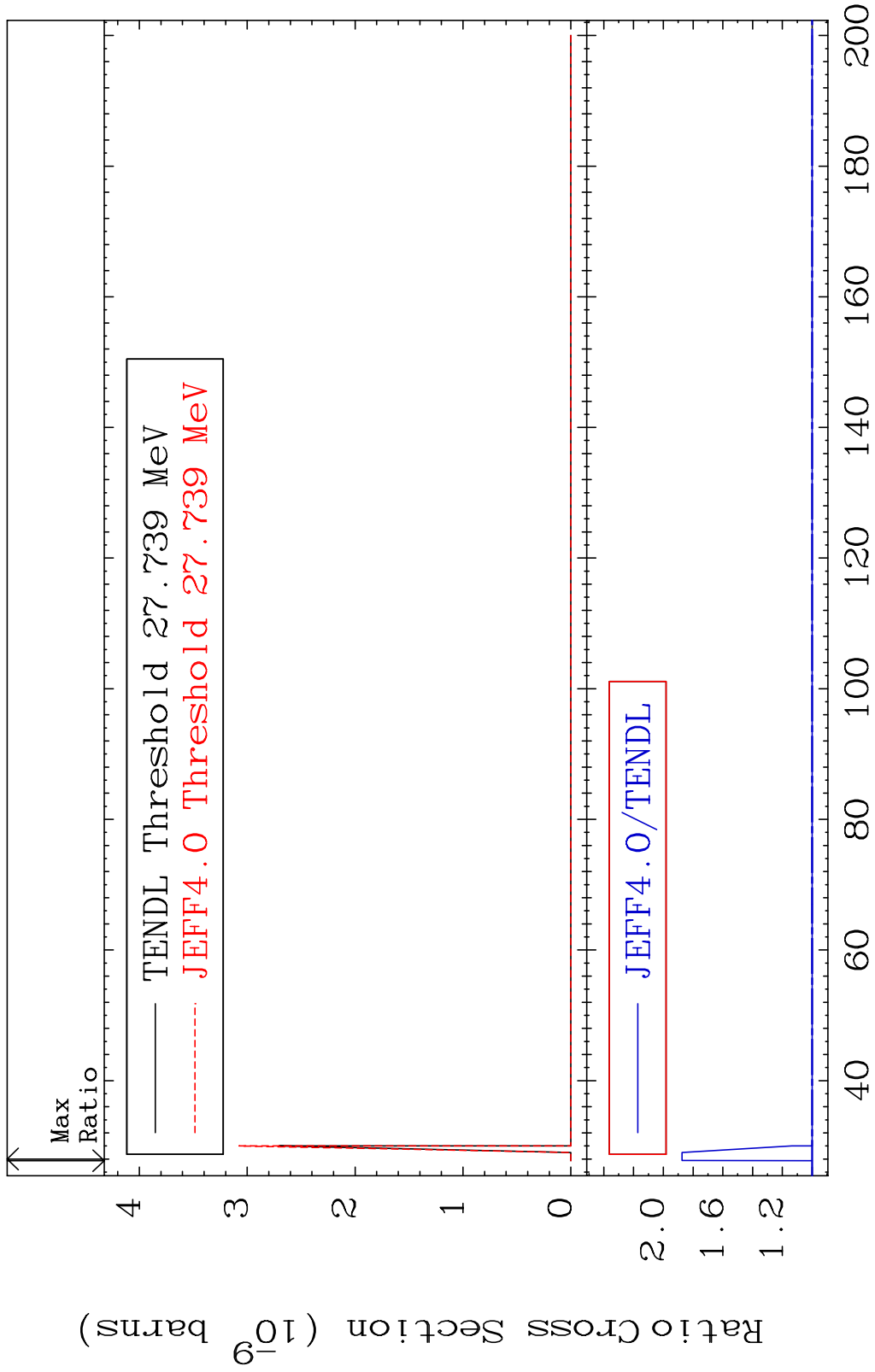


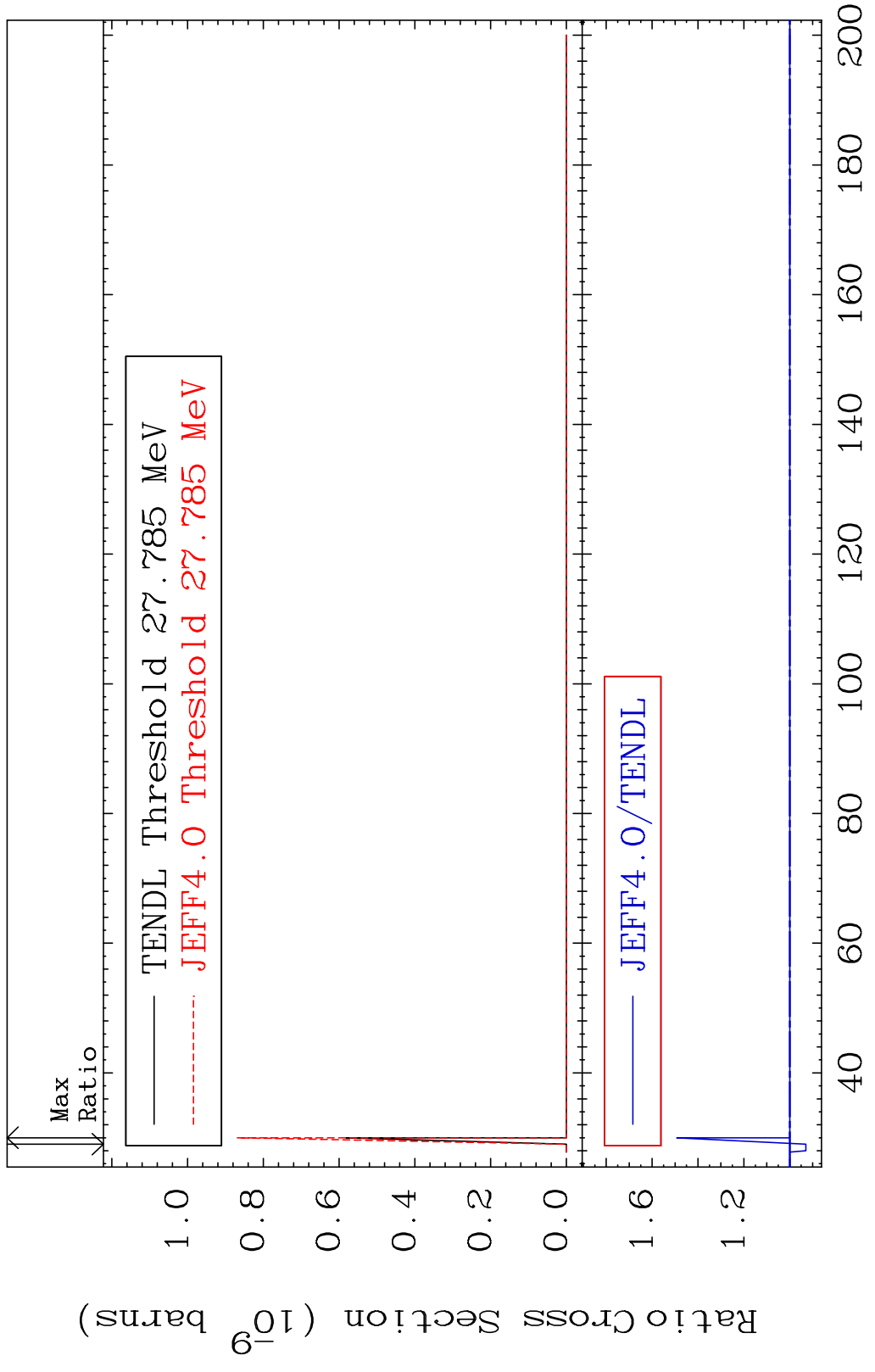
MAT 3646 (n, n') t:35-Br-82g 36-Kr-85
 Radionuclide Production Cross Section 14.23 %

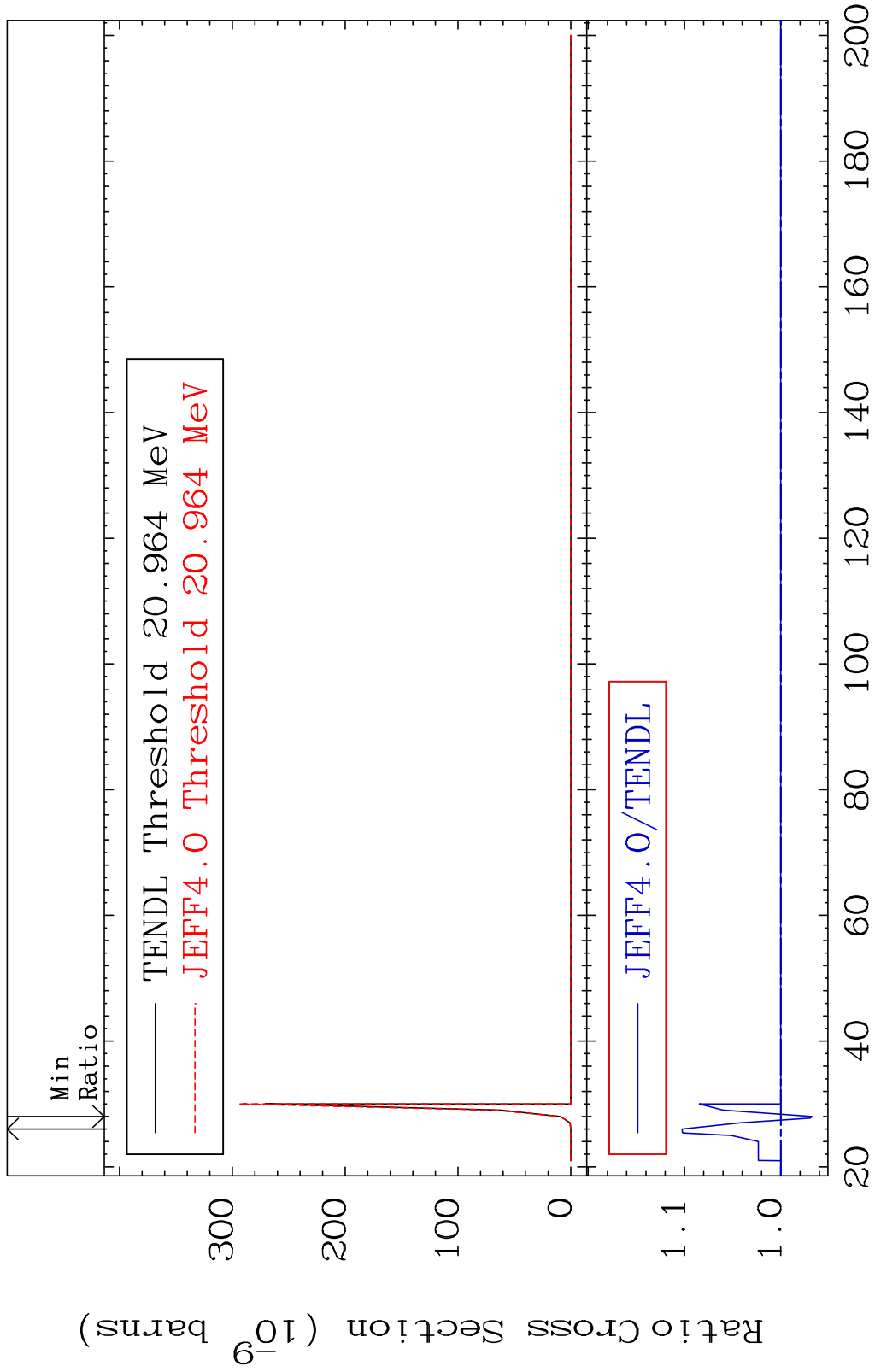


MAT 3646 (n, n') t:35-Br-82m1 36-Kr-85
 Radionuclide Production Cross Section 12.4110 11.24 %

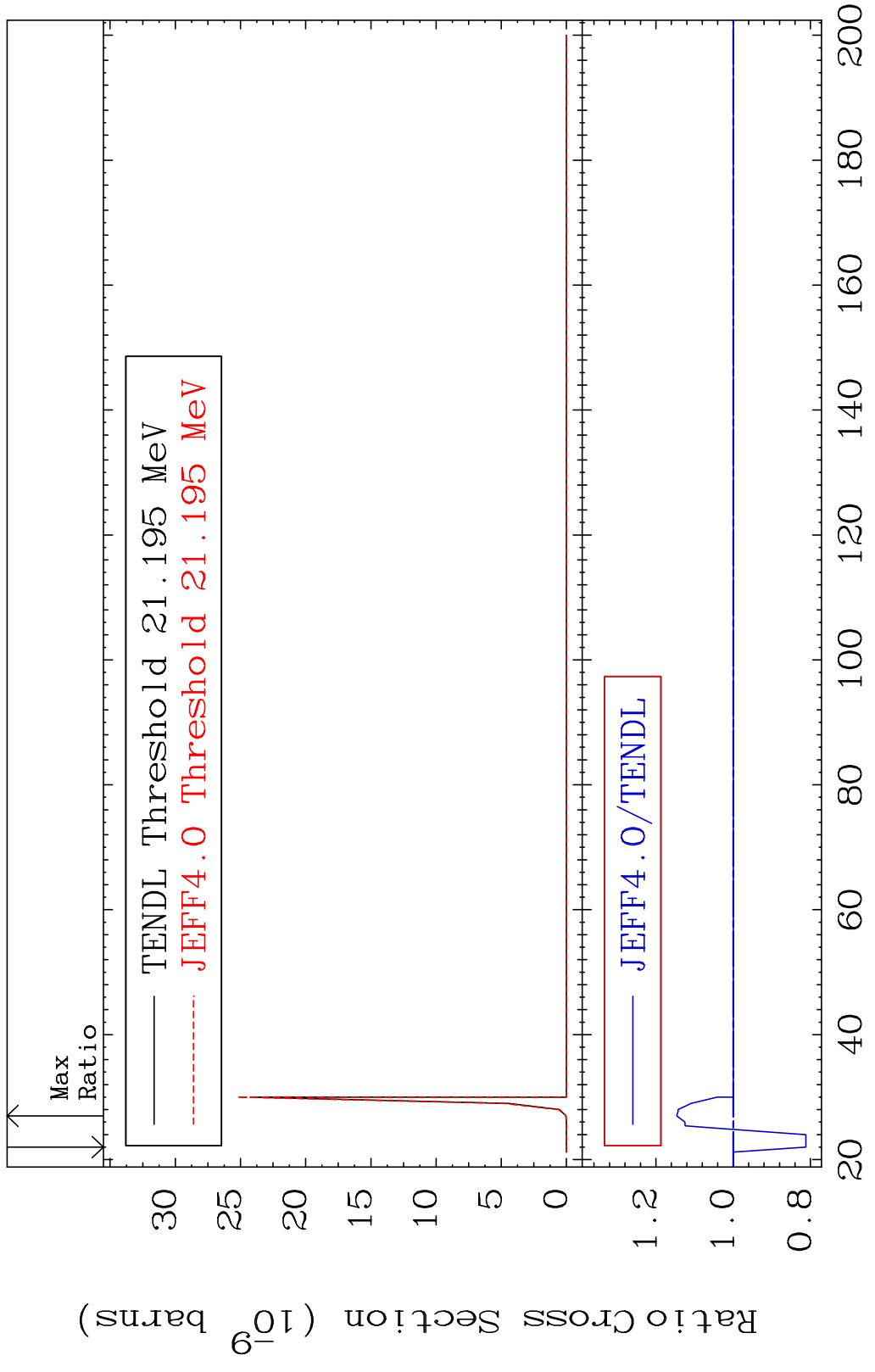






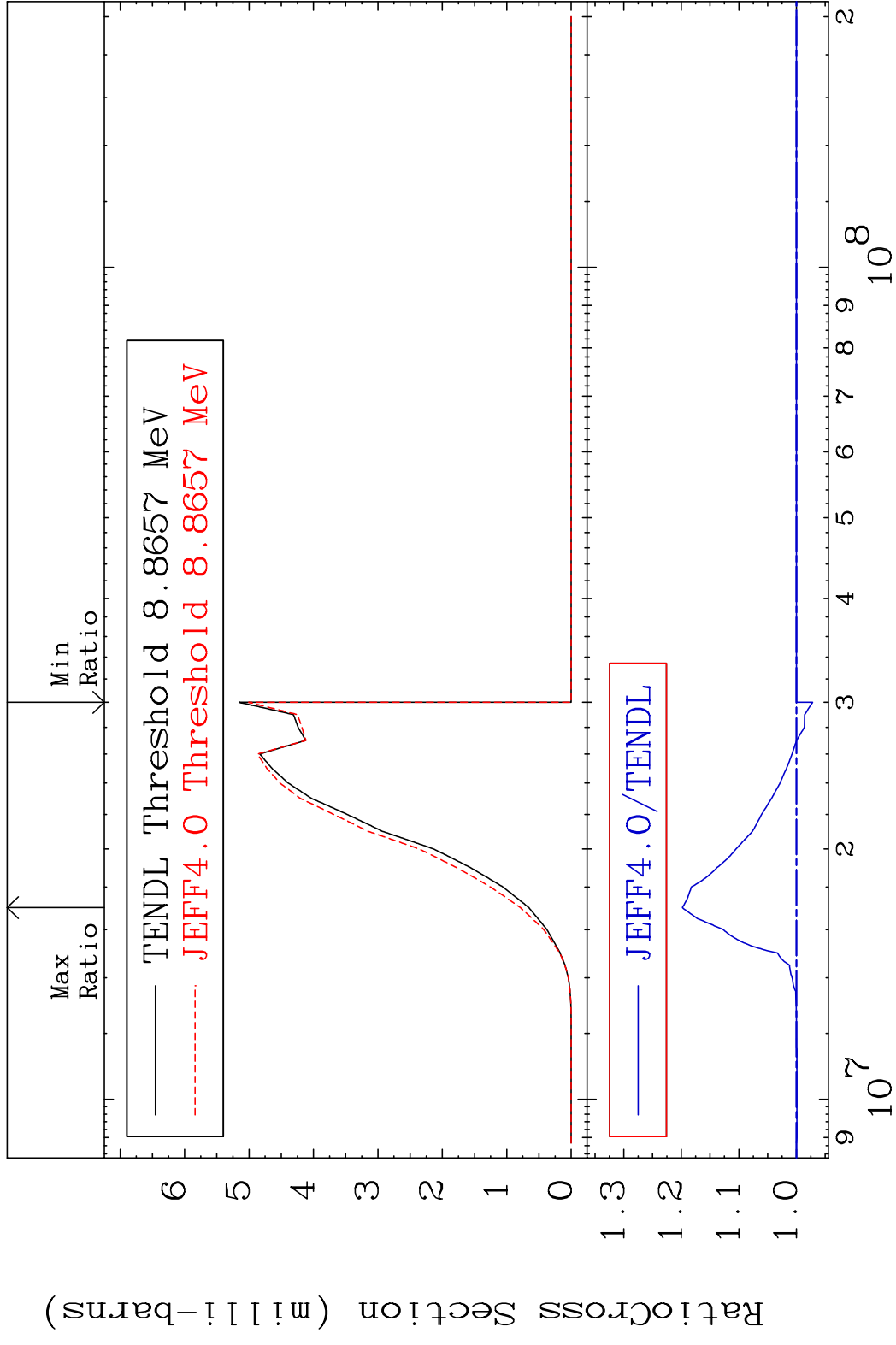


MAT 3646 (n,2n) p:34-Se-83m1 36-Kr-85
 Radionuclide Production Cross Section Ratio 18.67% to 14.62 %

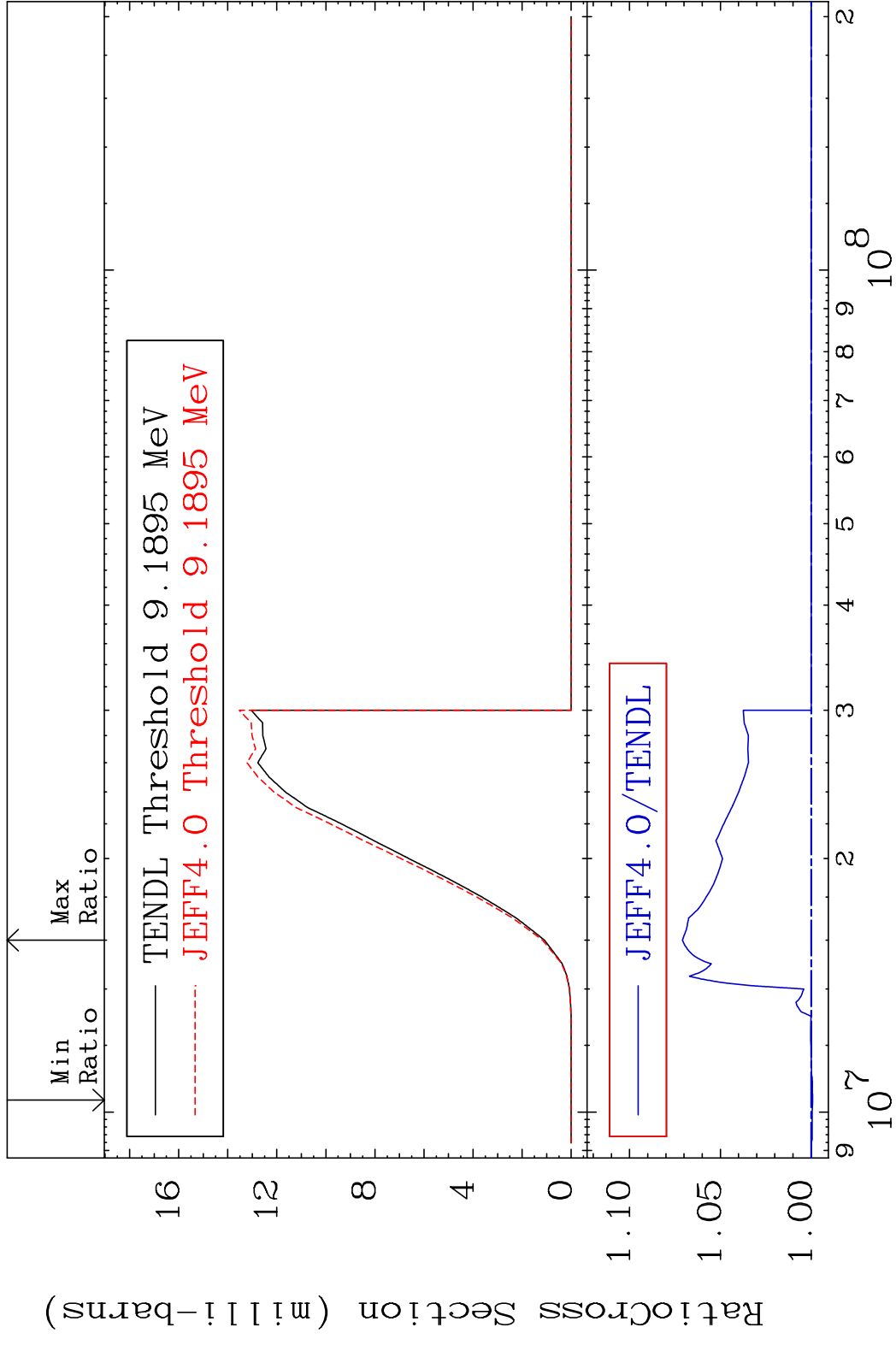


90 Incident Energy (MeV) 36-Kr-85

MAT 3646 (n, d): 35-Br-84g 36-Kr-85
 Radionuclide Production Cross Section 19.82 %



MAT 3646 (n, d):35-Br-84m1 36-Kr-85
 Radionuclide Production Cross Section 7.093 %



92 Incident Energy (eV) 36-Kr-85

MAT 3646 (n, He-3):34-Se-83g 36-Kr-85
 Radionuclide Production Cross Section 58.4410 20.32 %

