

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

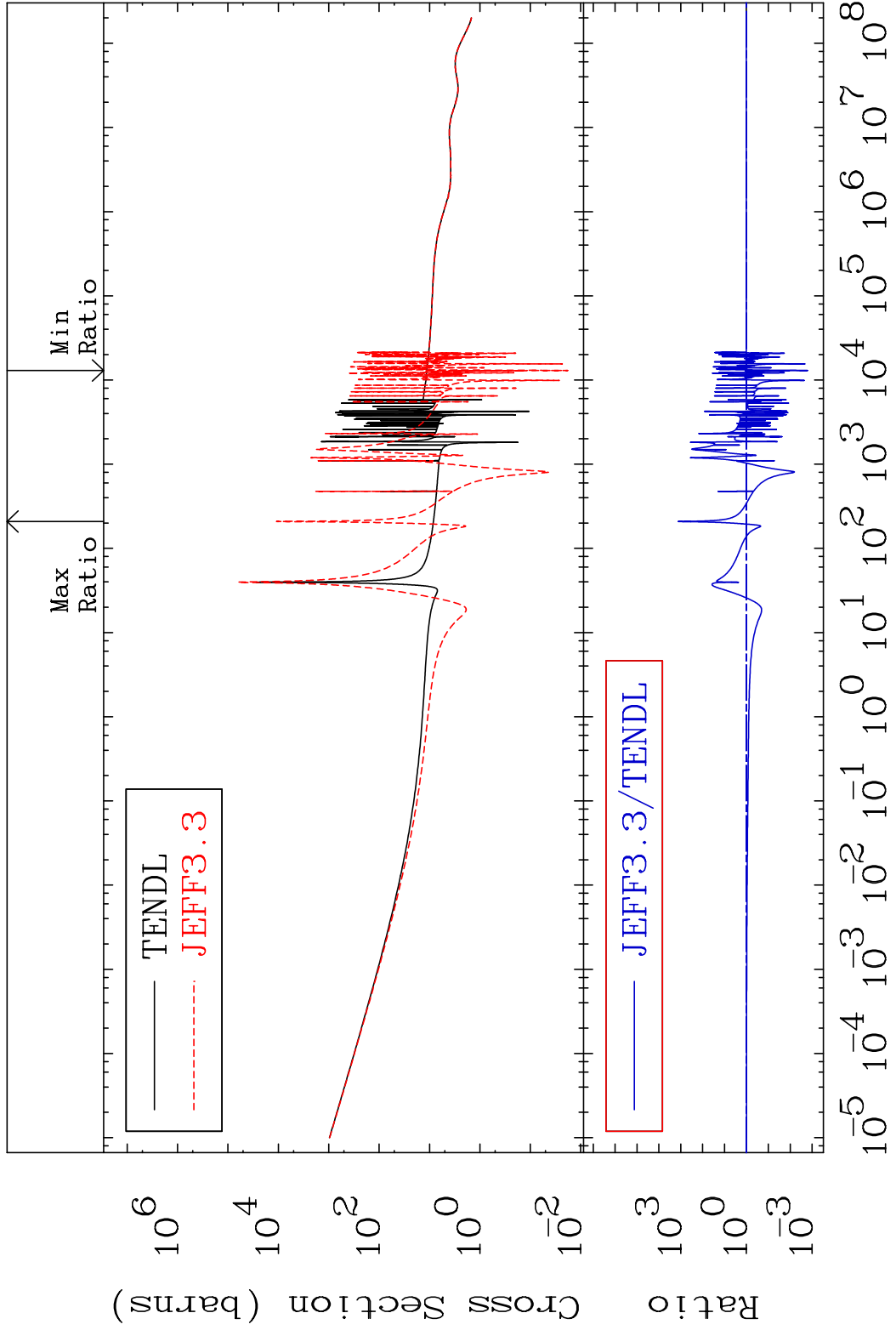
U.S.A.

Tele: 925-443-1911

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

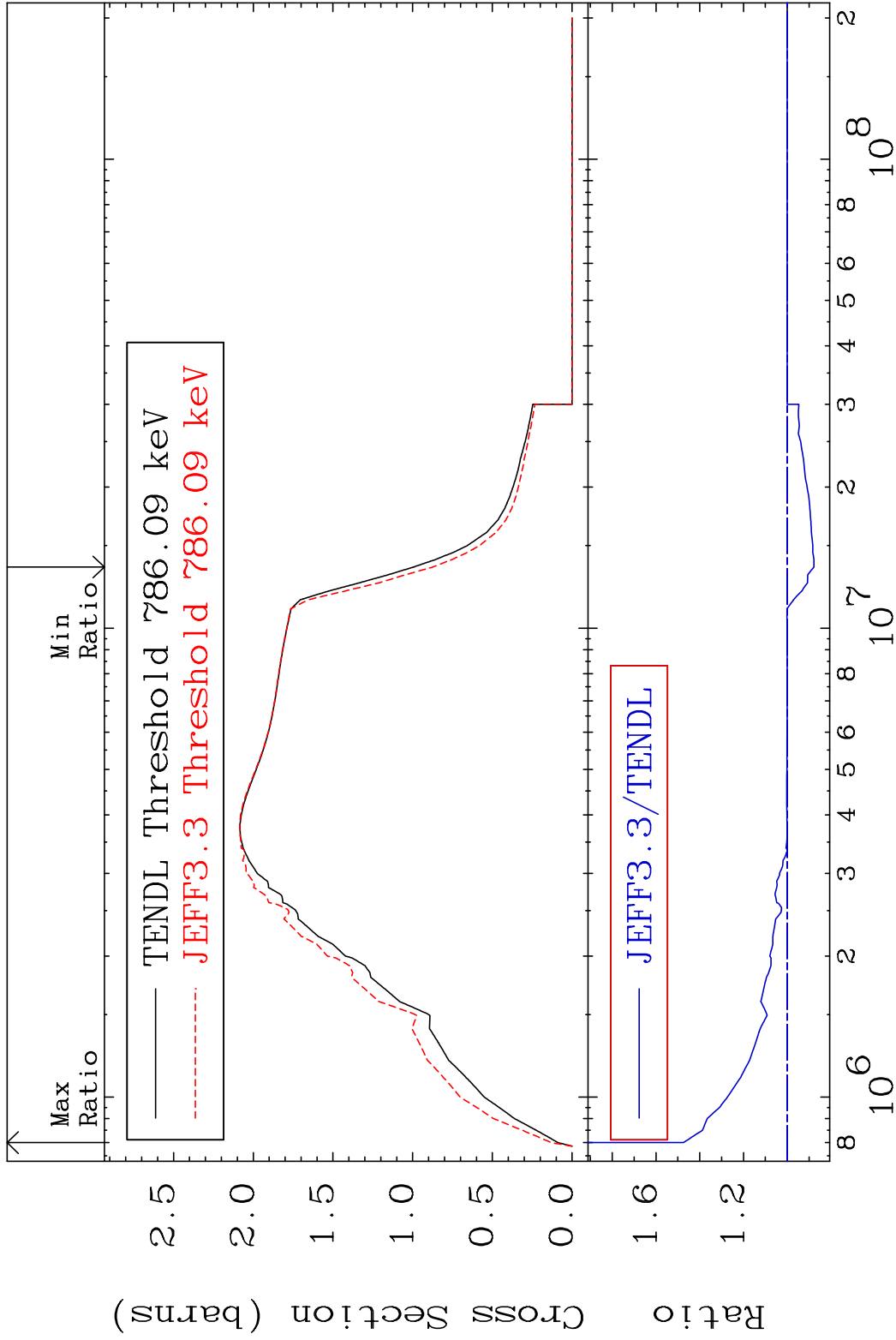
Press Mouse Button to Start

MAT 3637 Total 36-Kr-82
 Cross Section -99.84 To 9999. %



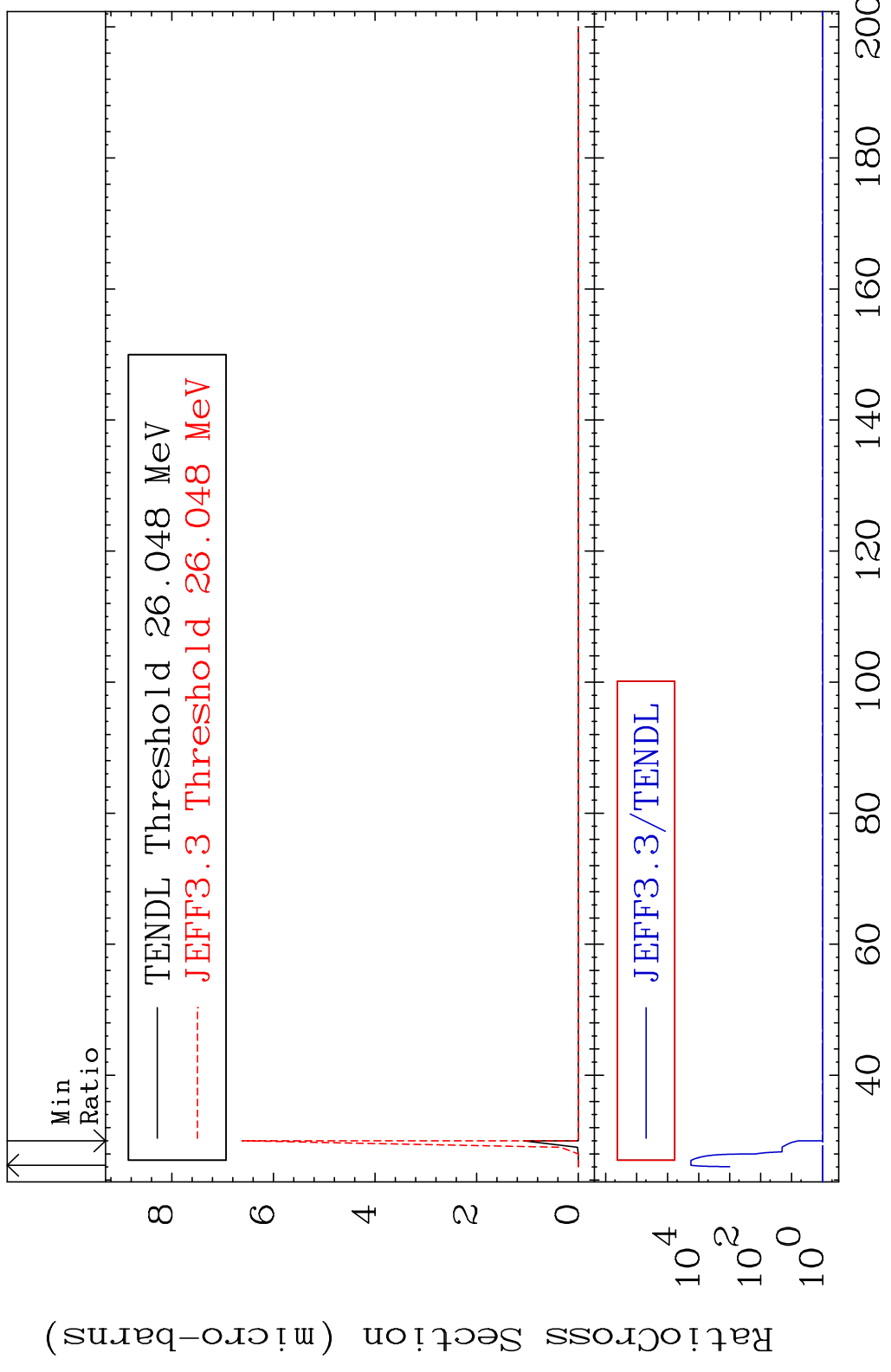
1 Incident Energy (eV) 36-Kr-82

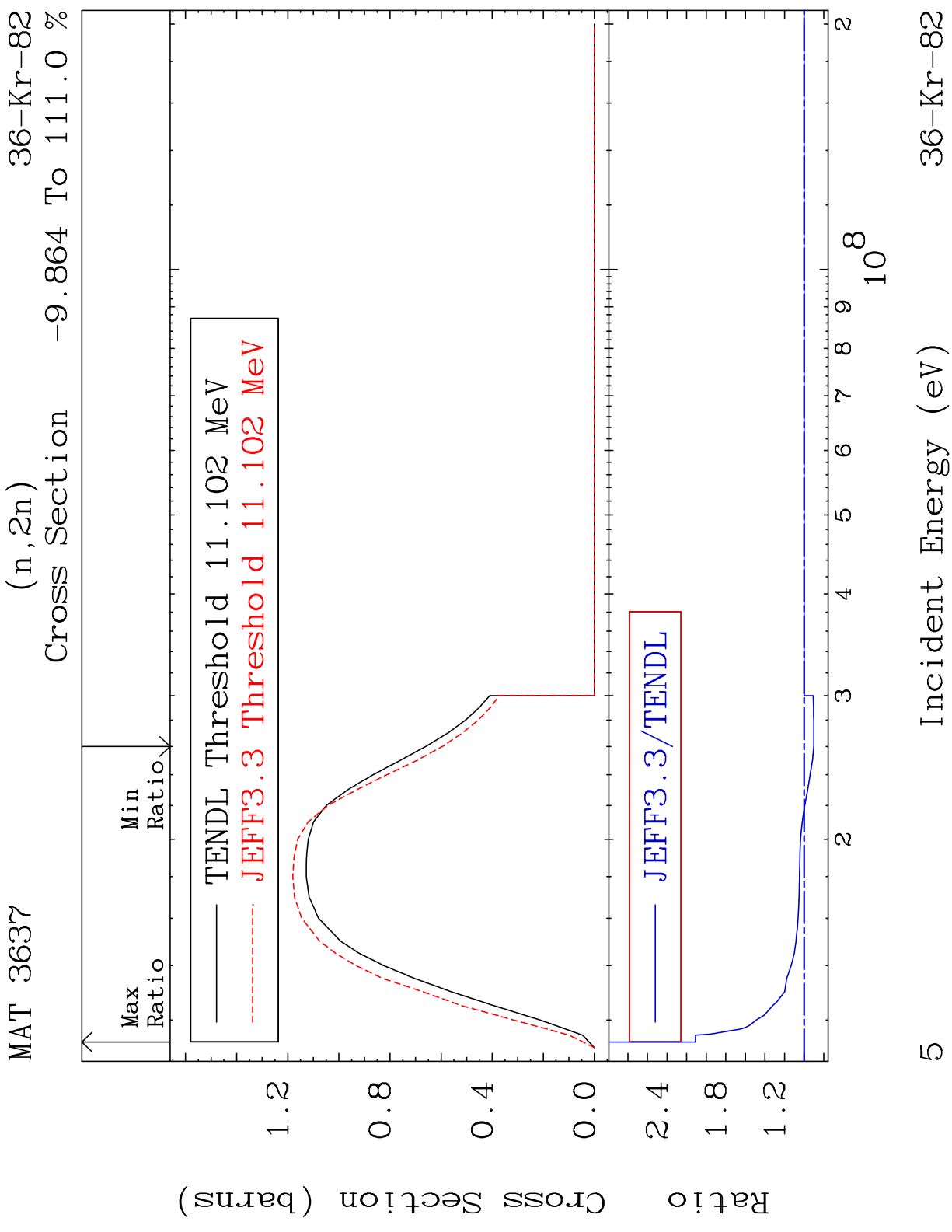
MAT 3637 Inelastic 36-Kr-82
 Cross Section -12.17 To 47.44 %

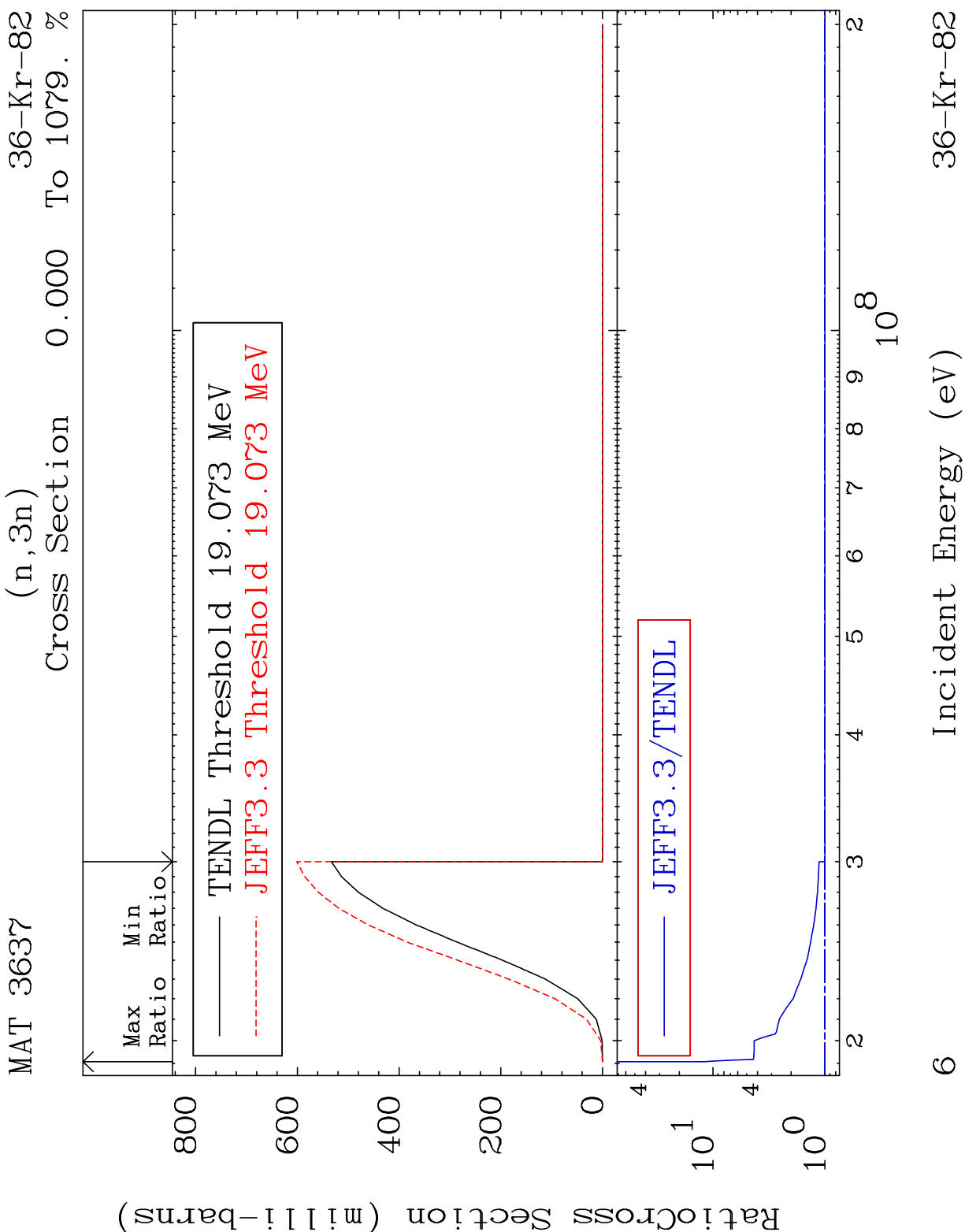


3 36-Kr-82

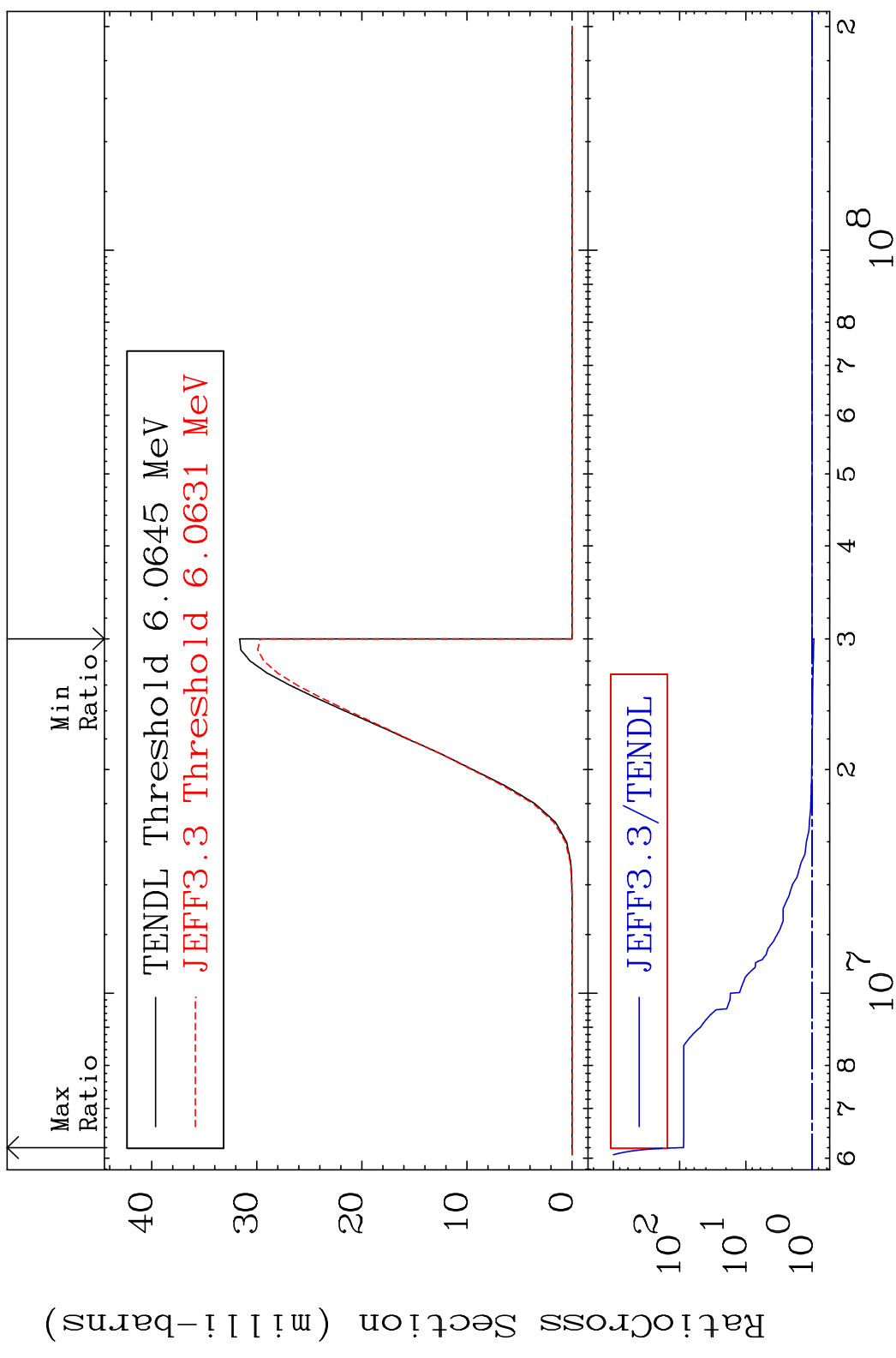
MAT 3637 (n,2n) d 36-Kr-82
 Cross Section 0.000 To 9999. %





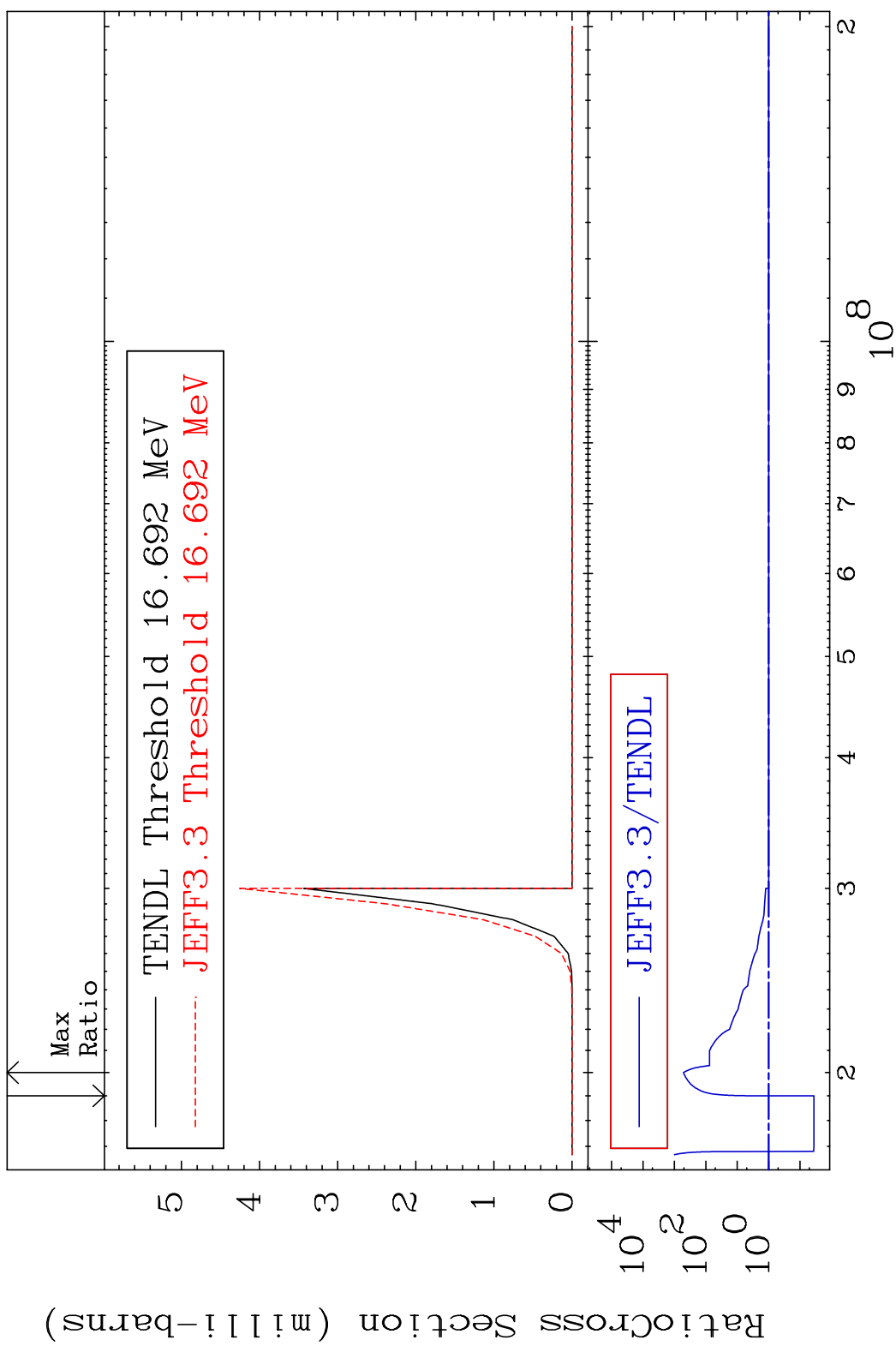


MAT 3637 (n, n') α 36-Kr-82
 Cross Section -6.180 To 8650. %

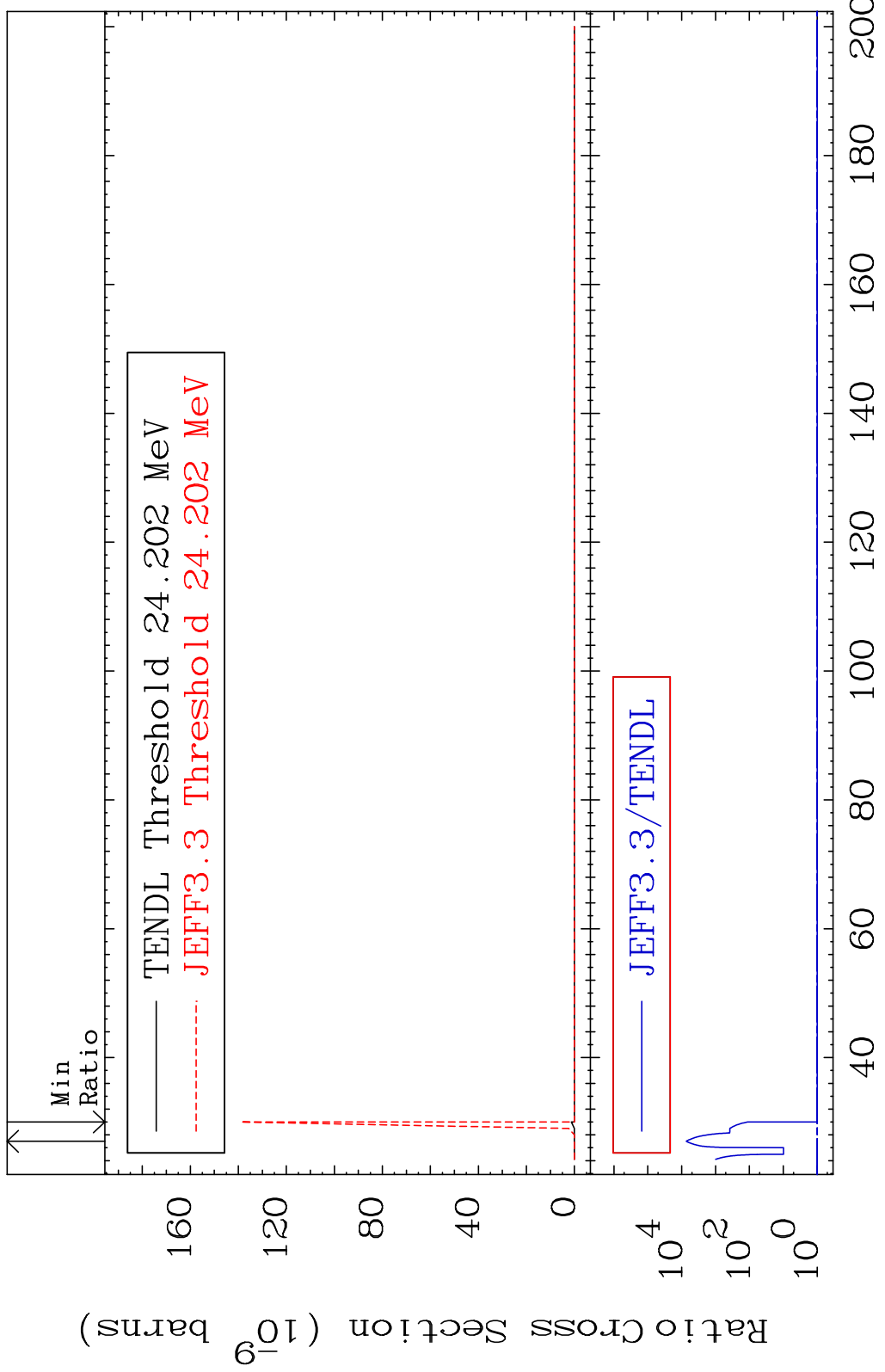


7 36-Kr-82

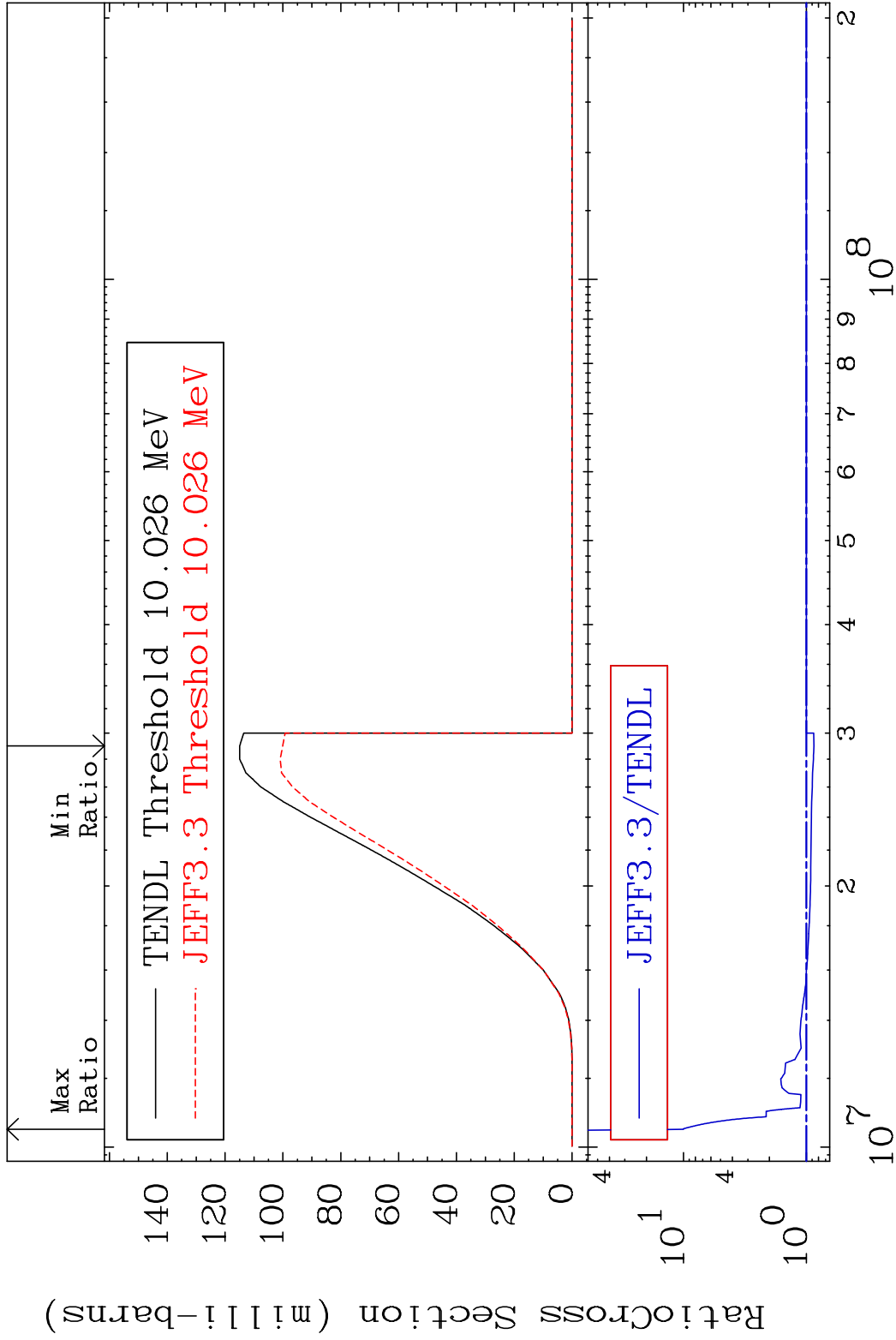
MAT 3637 (n,2n) α 36-Kr-82
 Cross Section -96.39 To 9999. %



MAT 3637 (n, 3n) α 36-Kr-82
 Cross Section 0.000 To 9999. %



MAT 3637 (n, n') p 36-Kr-82
 Cross Section -12.95 To 901.7 %



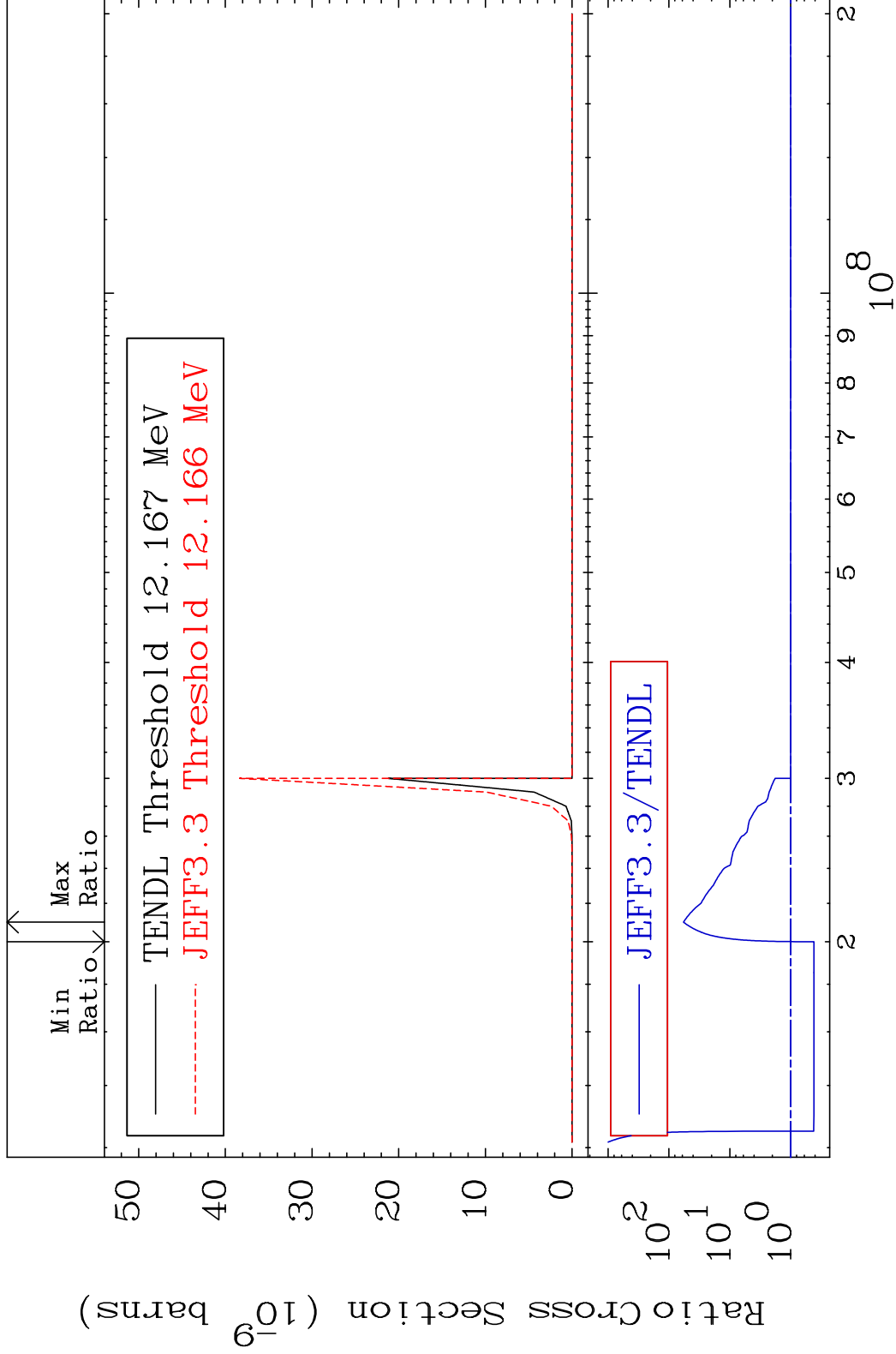
10 10⁷ 10⁸ 2
 10 10⁷ 10⁸ 2
 36-Kr-82

MAT 3637

(n, n') 2 α

36-Kr-82

Cross Section -58.31 To 5679. %



11

Incident Energy (eV)

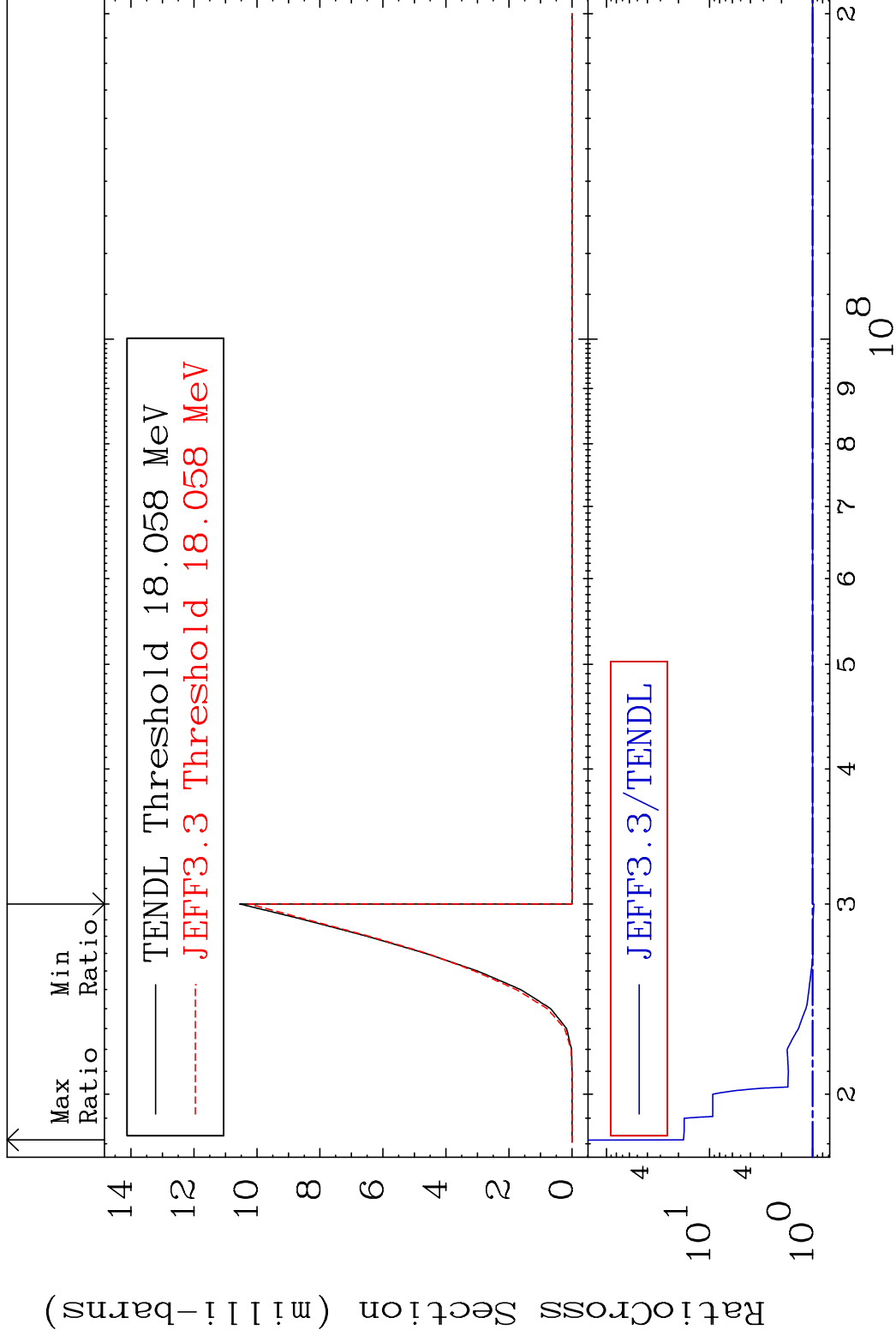
36-Kr-82

MAT 3637

(n, n') d

36-Kr-82

Cross Section -2.835 To 1690. %

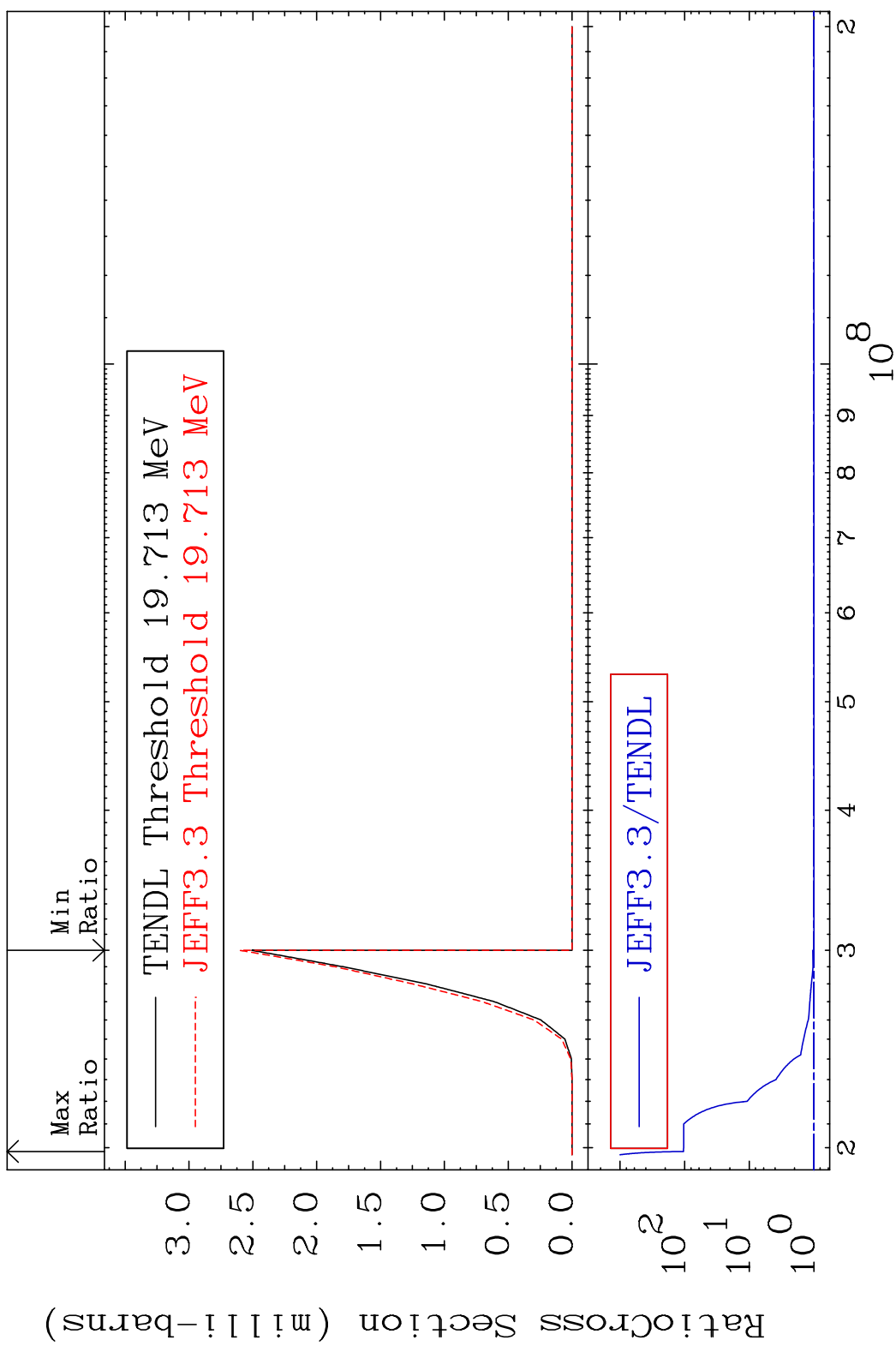


12

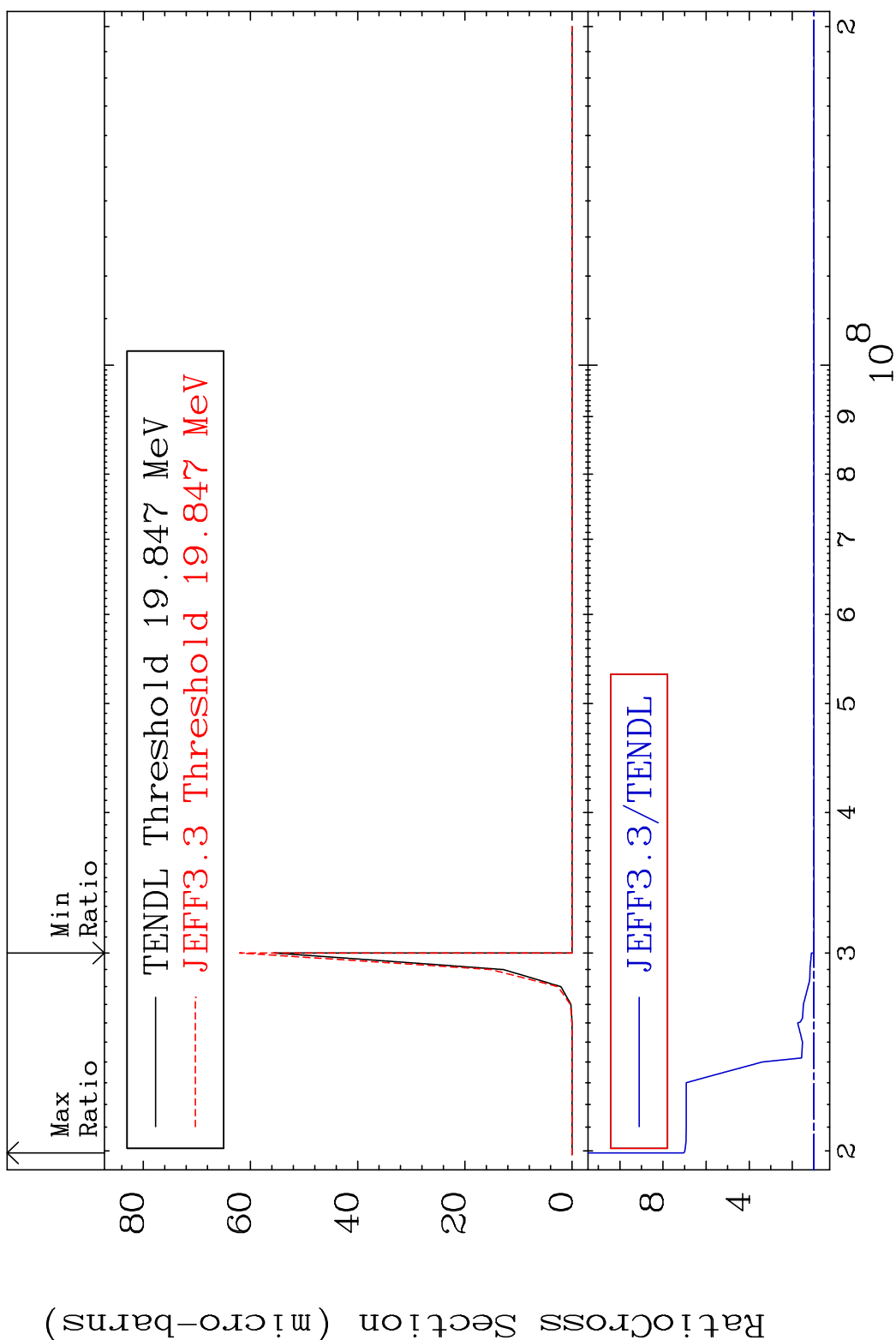
Incident Energy (eV)

36-Kr-82

MAT 3637 (n, n') t 36-Kr-82
 Cross Section 0.000 To 9999. %

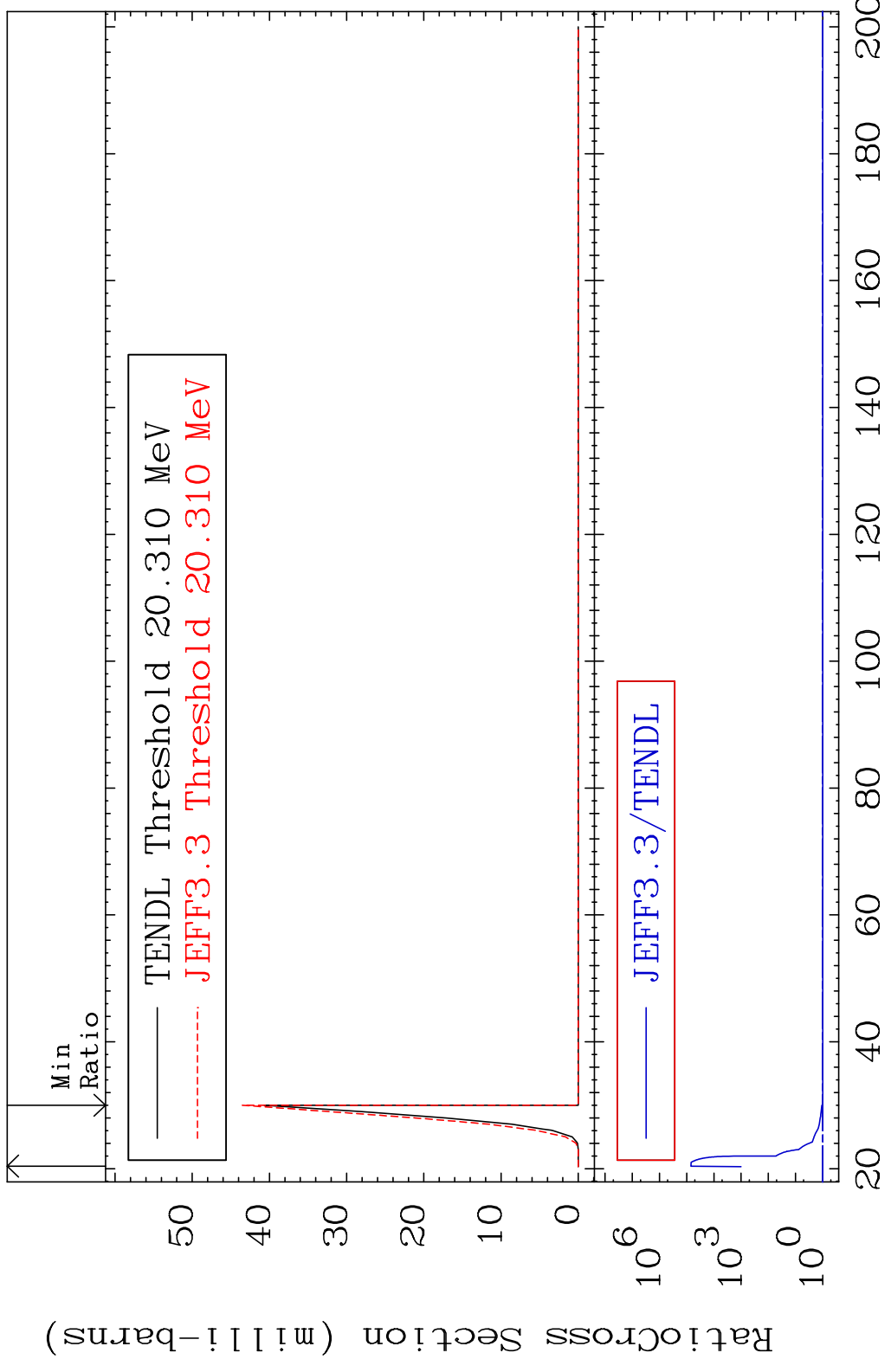


MAT 3637 (n,n') He-3 36-Kr-82
 Cross Section 0.000 To 605.1 %



14 36-Kr-82

MAT 3637 (n,2n) p 36-Kr-82
 Cross Section 0.000 To 9999. %



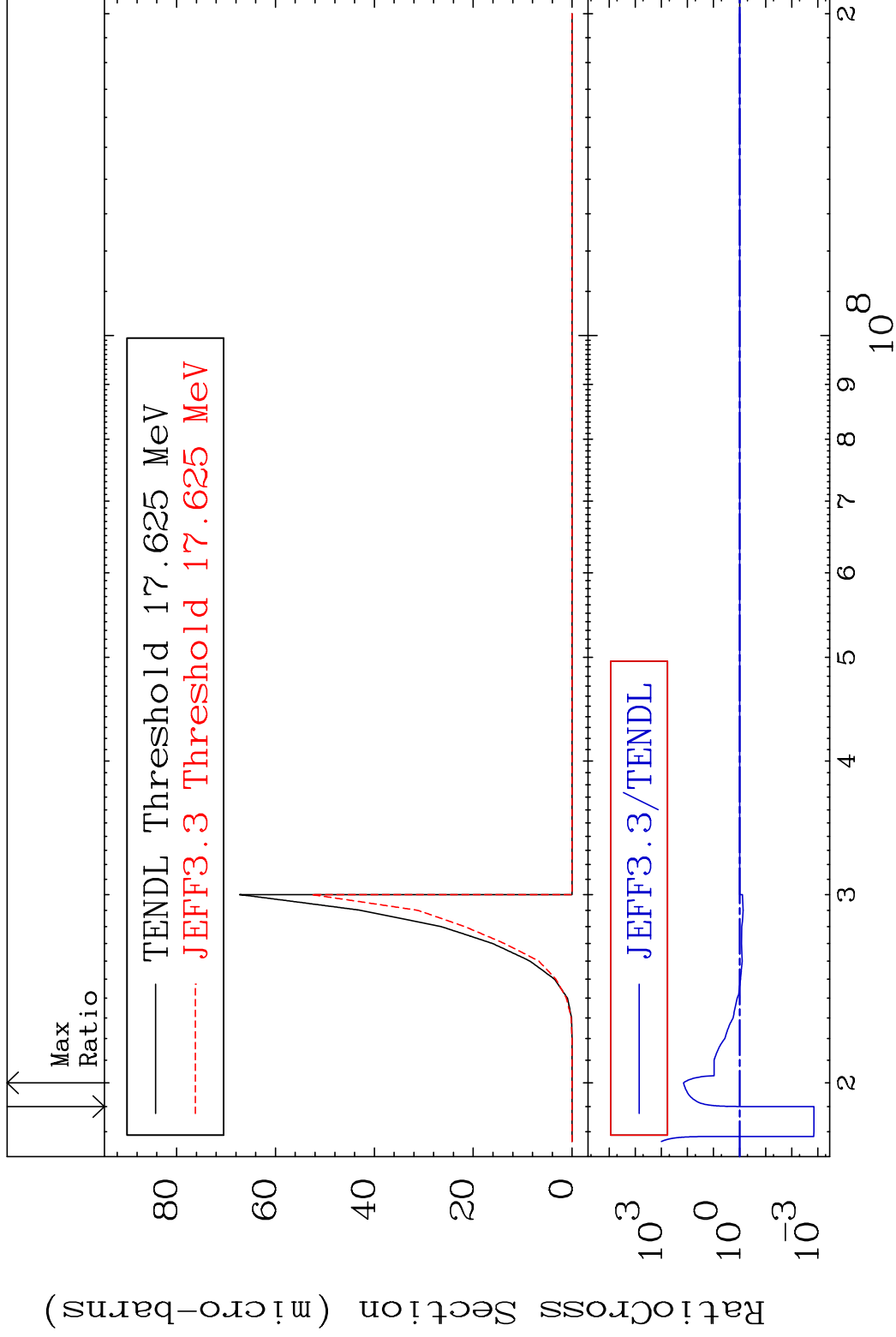
15 Incident Energy (MeV) 36-Kr-82

MAT 3637

(n,2n) p

36-Kr-82

Cross Section -99.86 To 9999. %

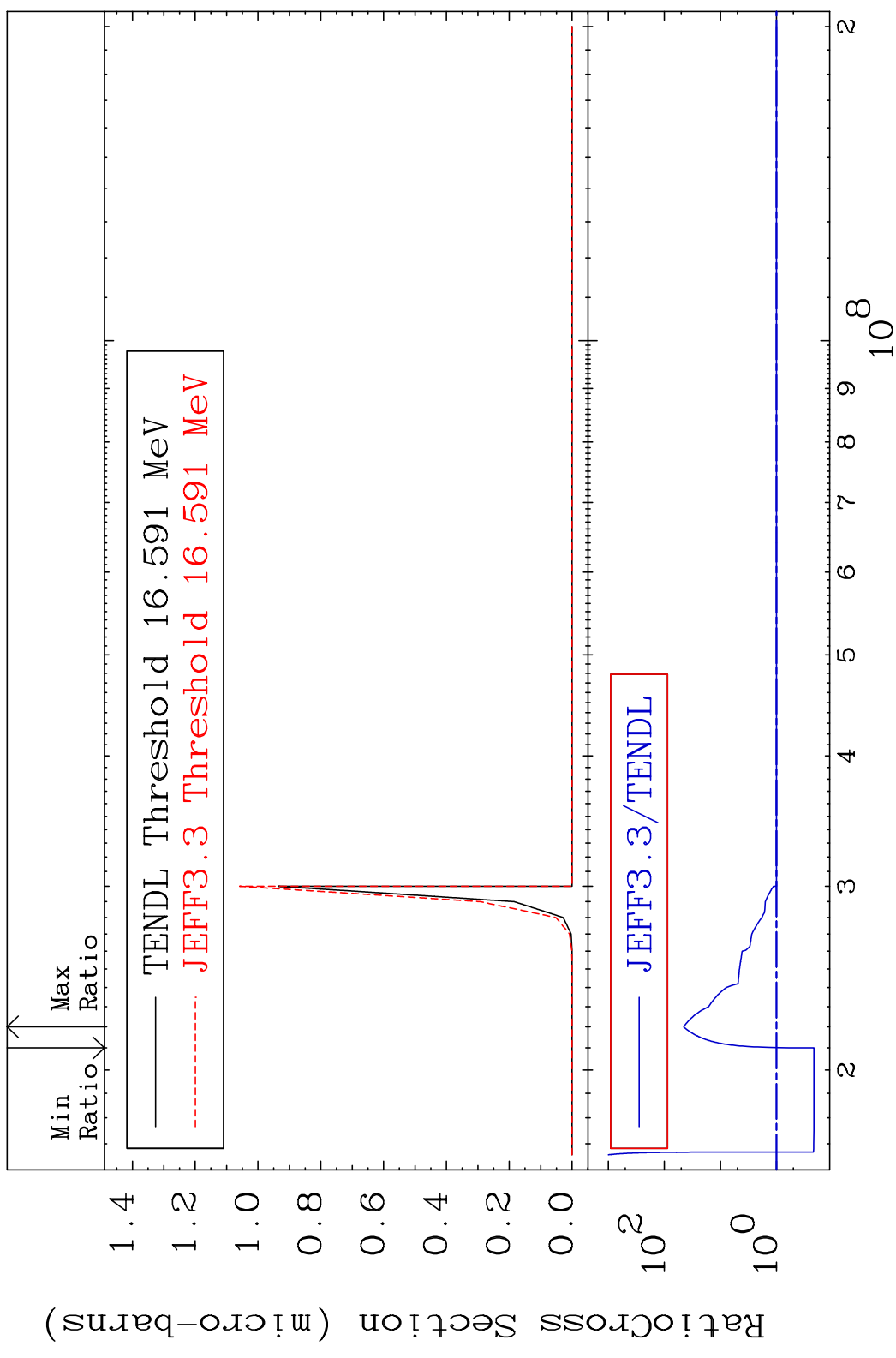


16

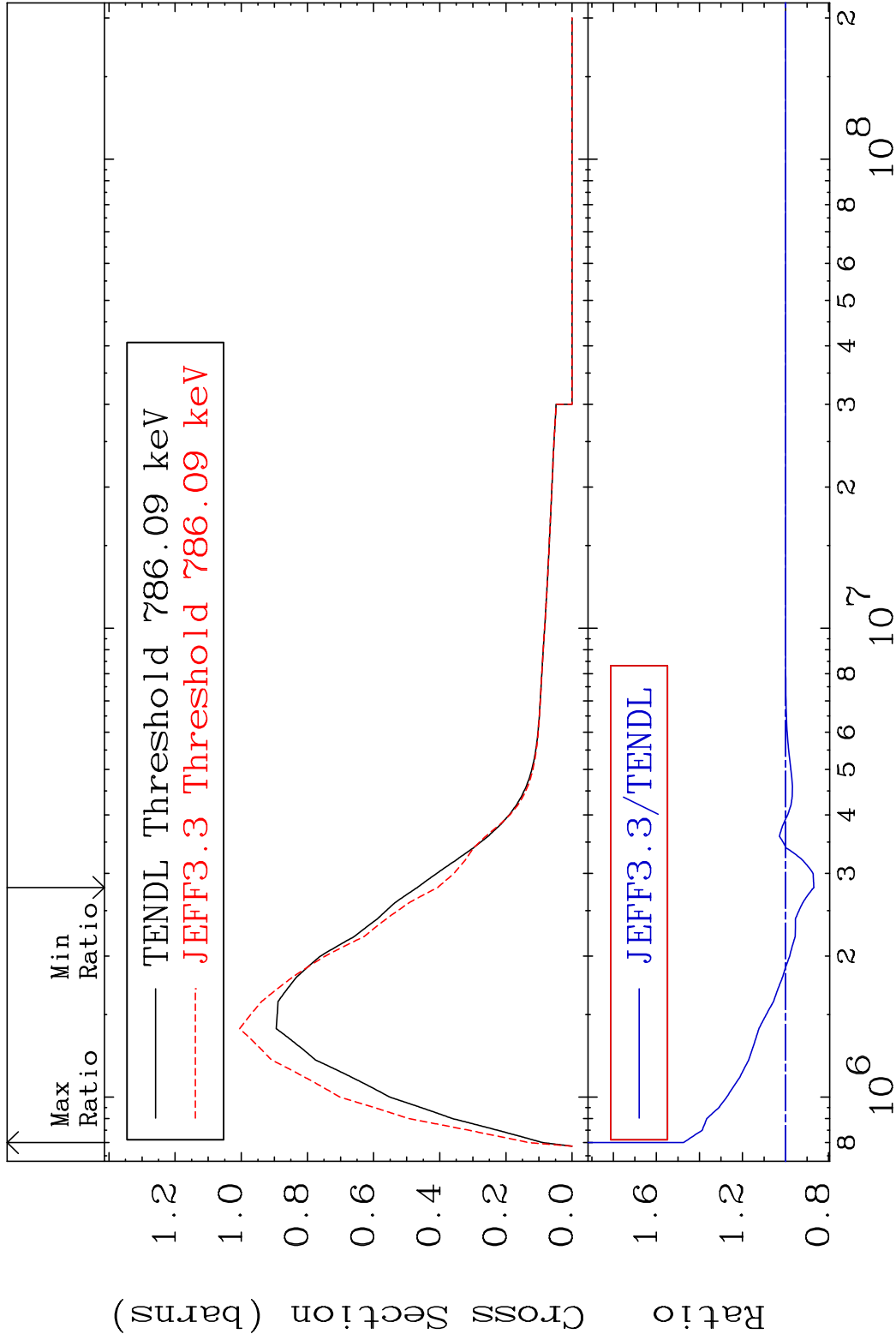
Incident Energy (eV)

36-Kr-82

MAT 3637 (n, n') p α 36-Kr-82
 Cross Section -78.52 To 4469. %

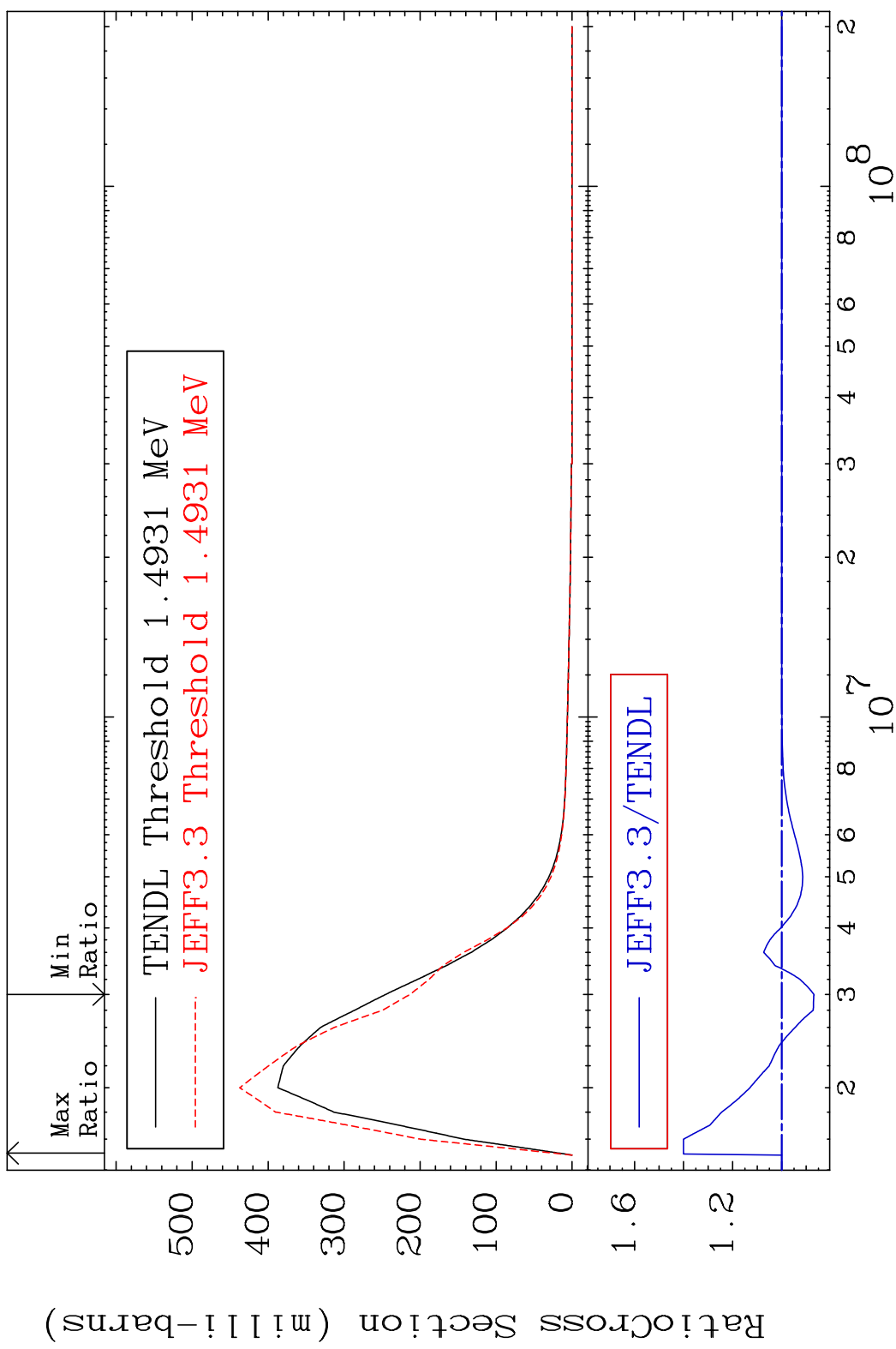


MAT 3637 MT= 51 (n, n') Level 36-Kr-82
 Cross Section -13.14 To 47.44 %

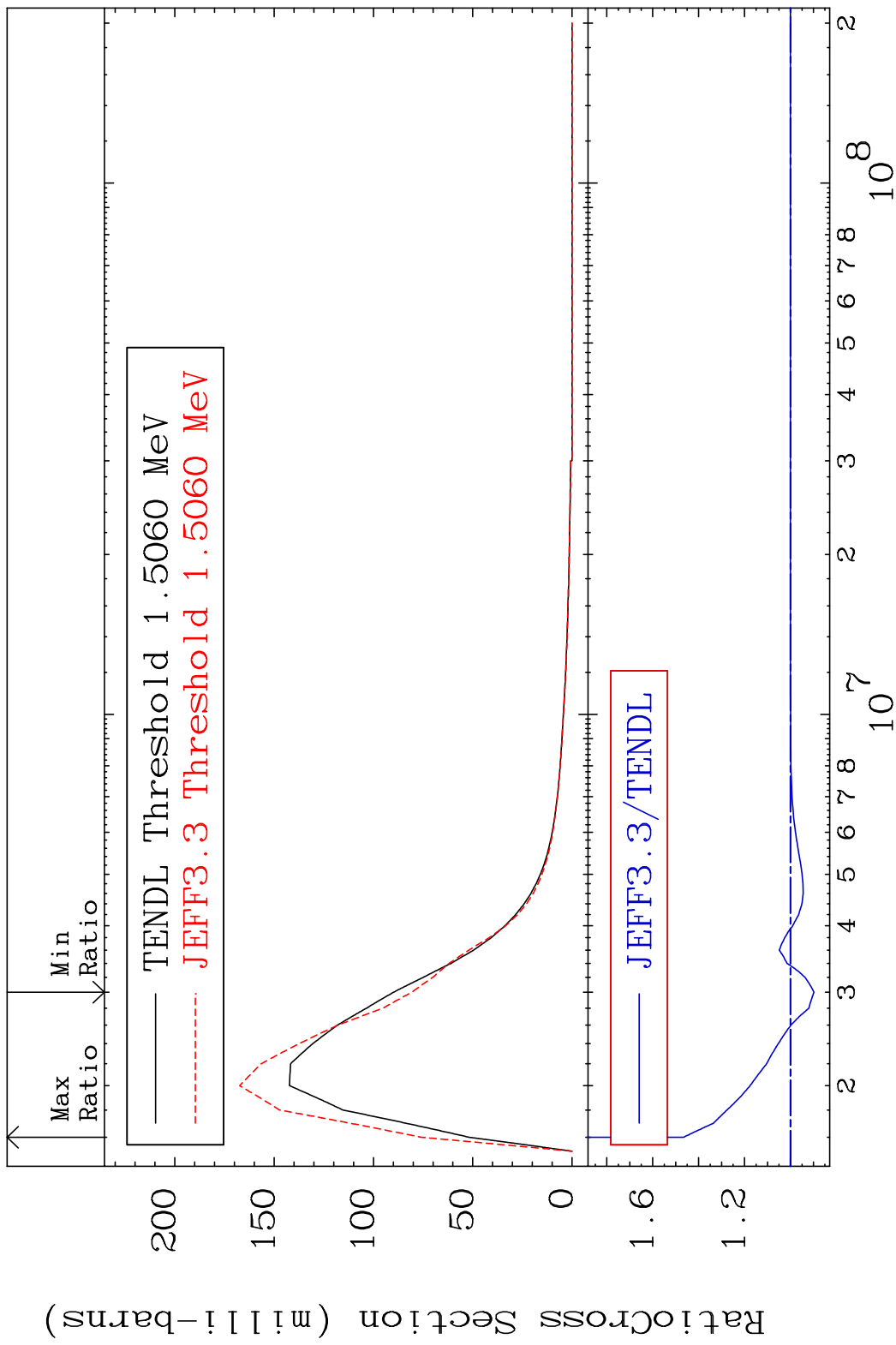


18 36-Kr-82

MAT 3637 MT= 52 (n, n') Level 36-Kr-82
 Cross Section -13.12 To 40.06 %

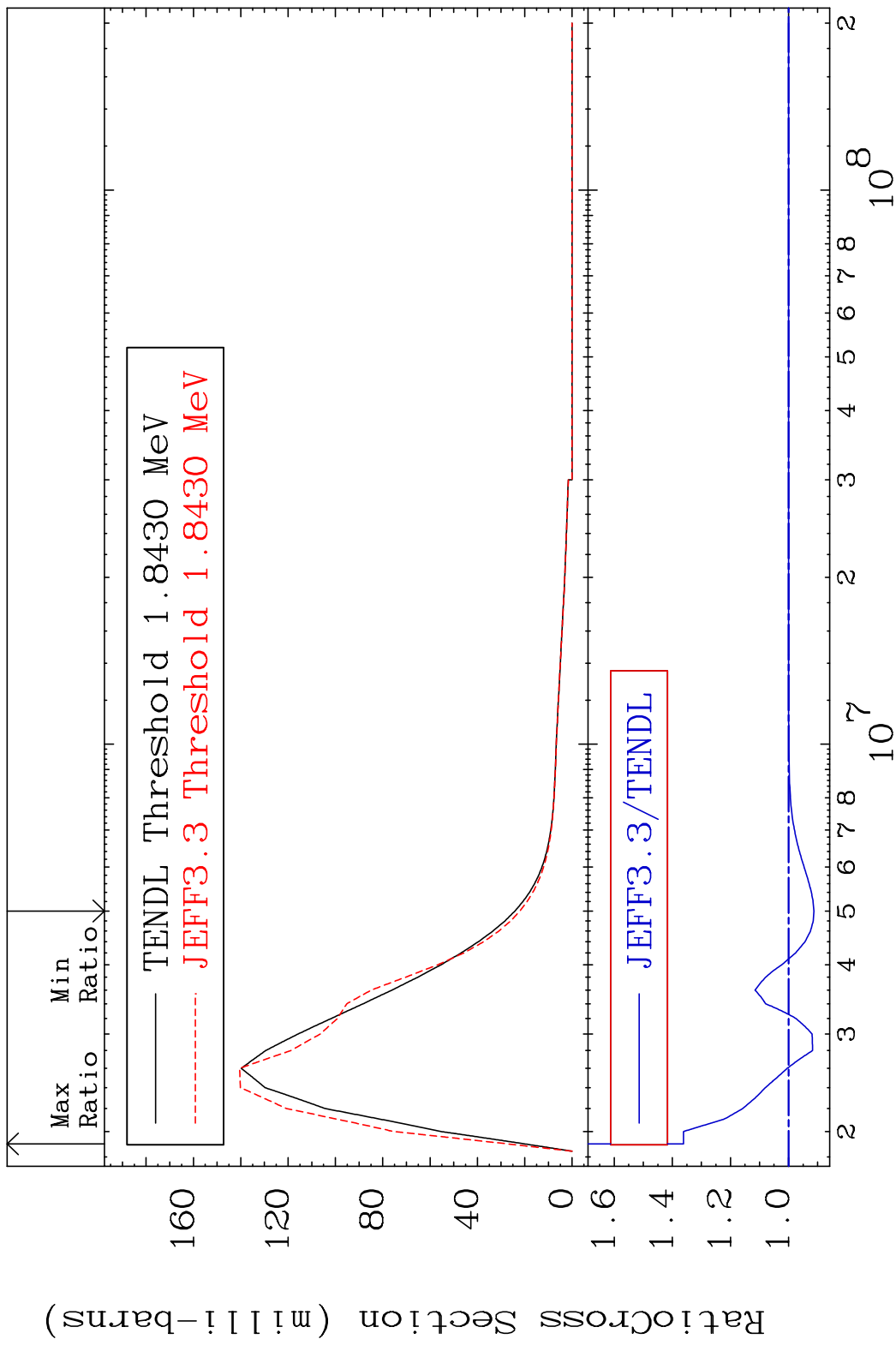


MAT 3637 MT= 53 (n, n') Level 36-Kr-82
 Cross Section -10.19 To 46.63 %



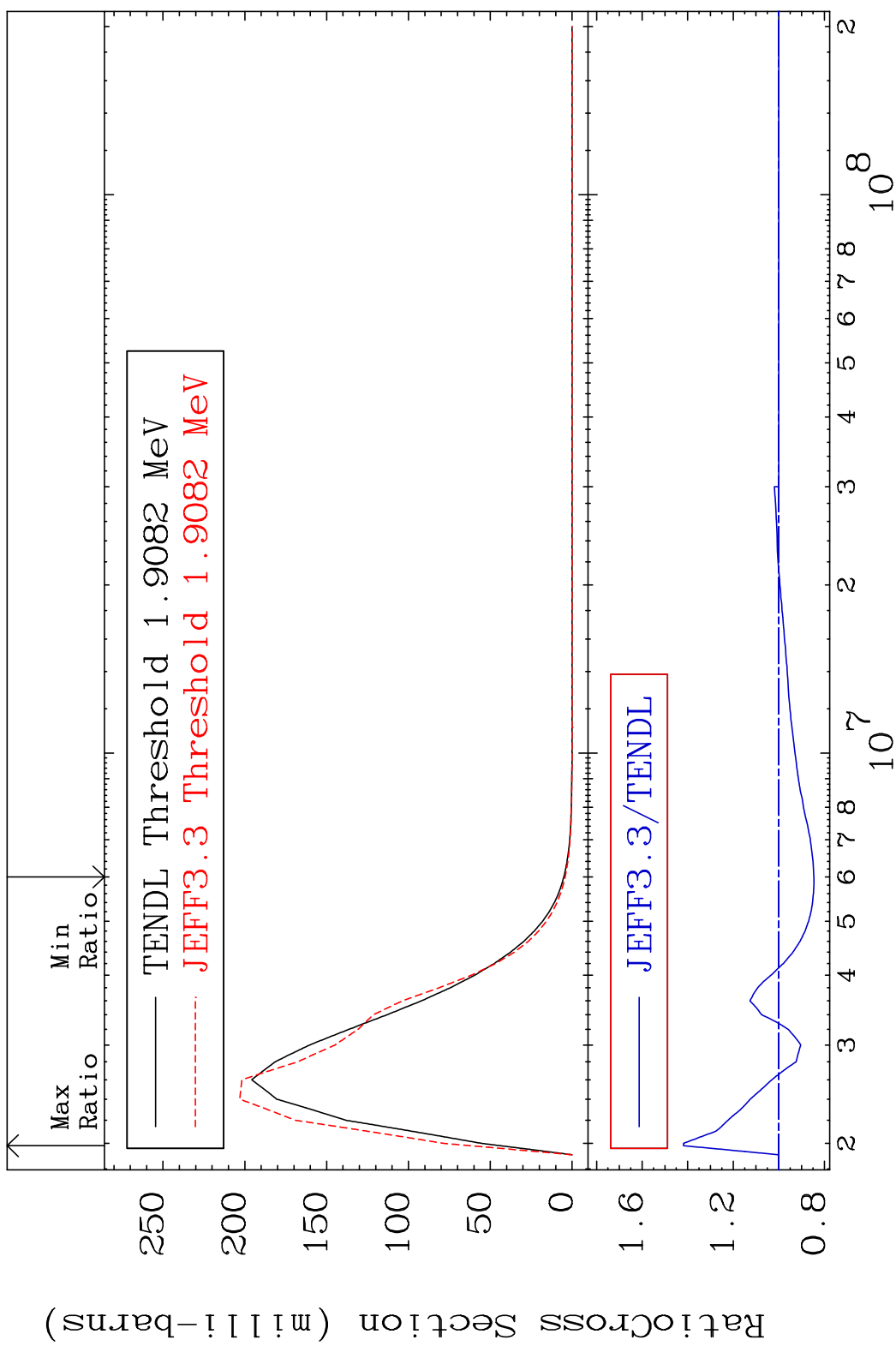
20 36-Kr-82

MAT 3637 MT= 54 (n, n') Level 36-Kr-82
 Cross Section -8.697 To 36.17 %

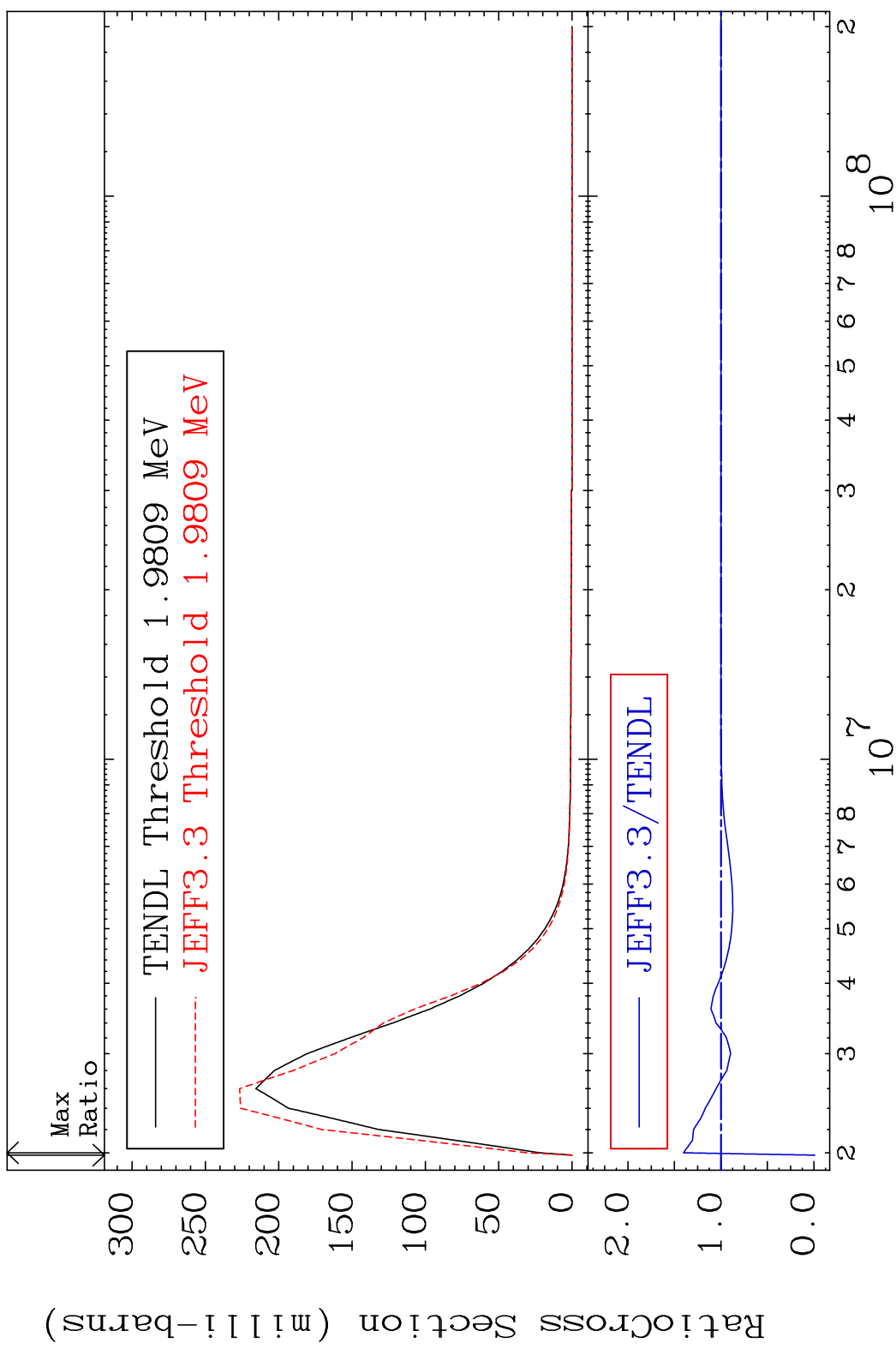


21 Incident Energy (eV) 36-Kr-82

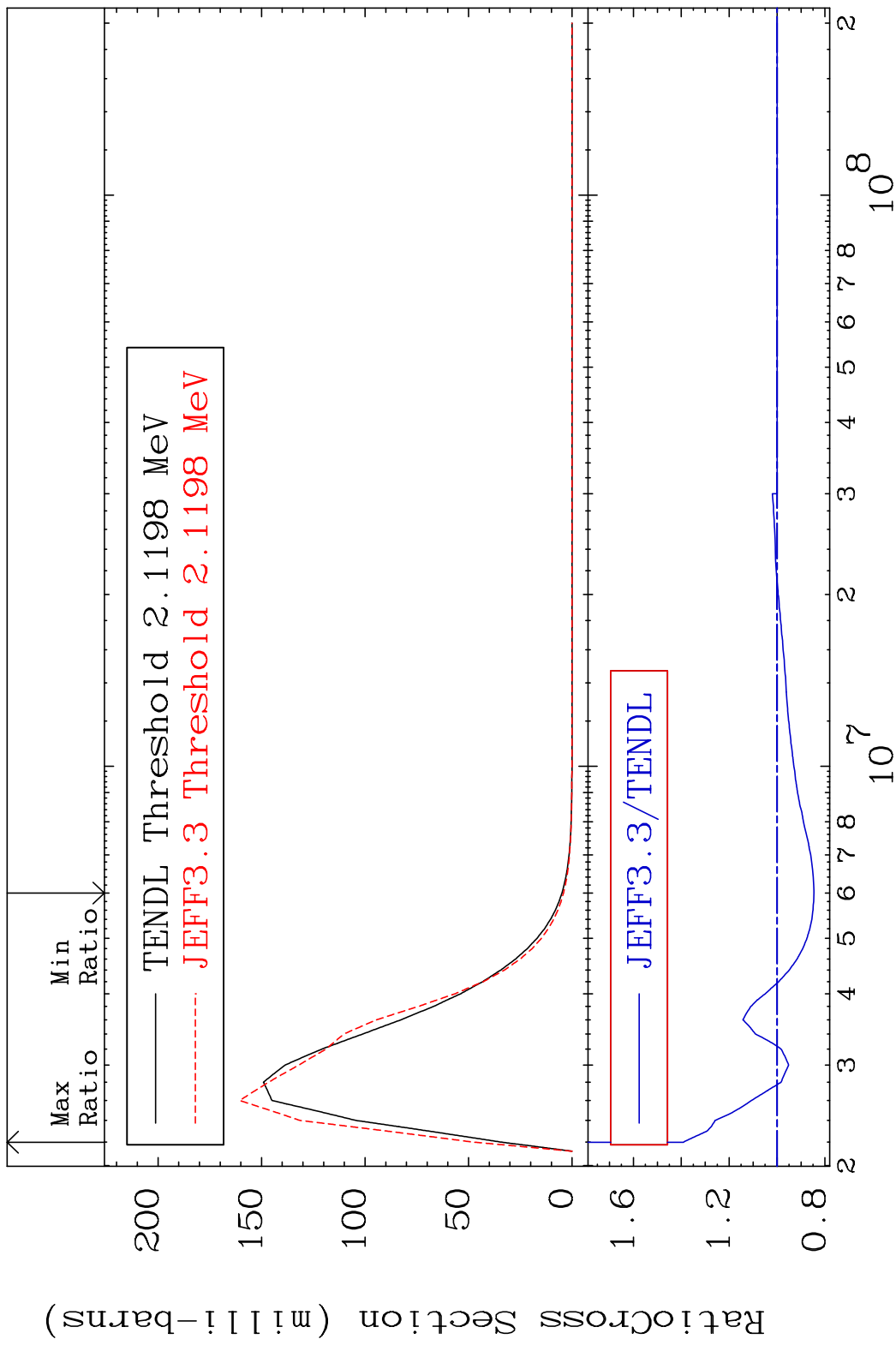
MAT 3637 MT= 55 (n, n') Level 36-Kr-82
 Cross Section -15.41 To 41.85 %



MAT 3637 MT= 56 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 40.32 %

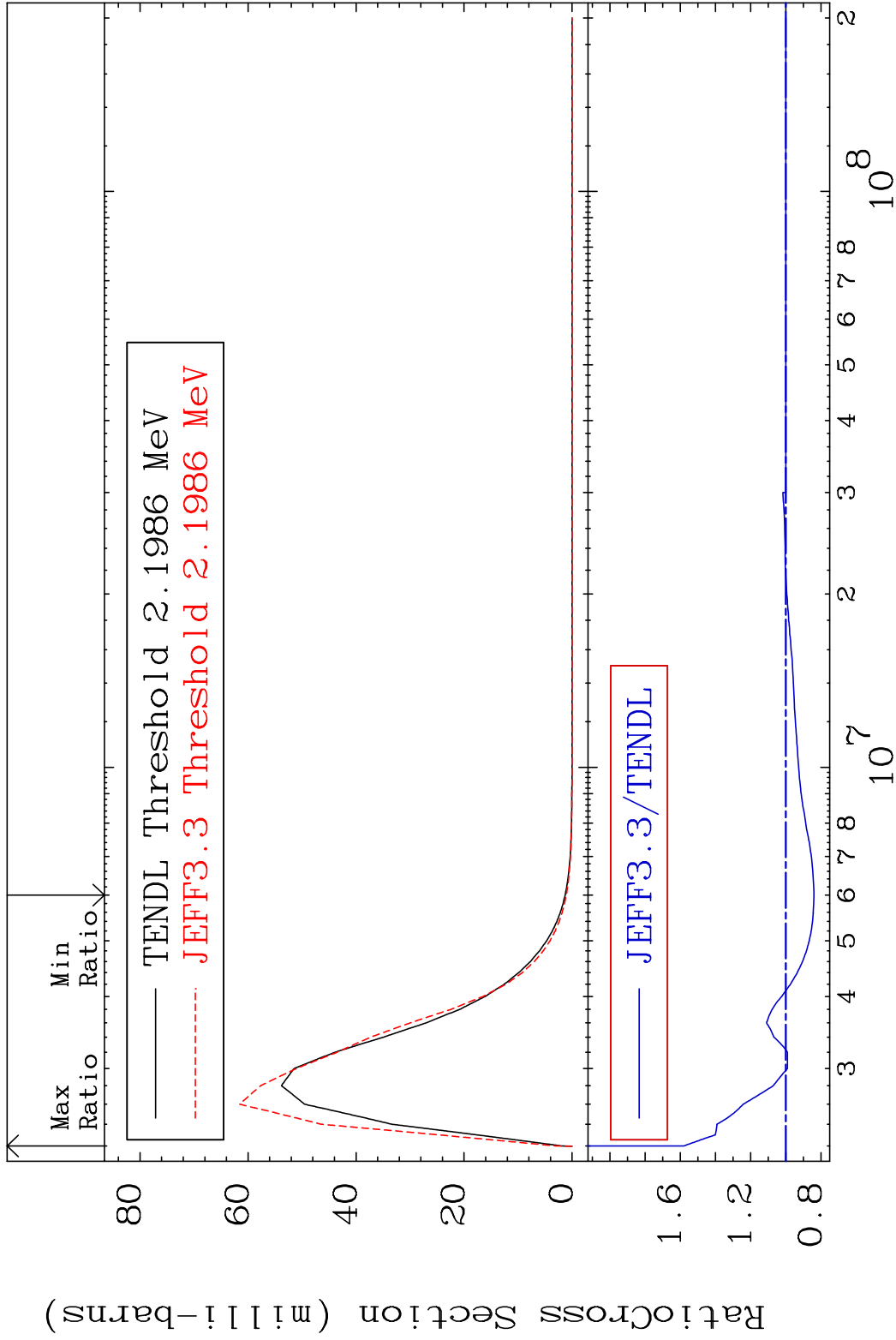


MAT 3637 MT= 57 (n, n') Level 36-Kr-82
 Cross Section -15.36 To 39.10 %



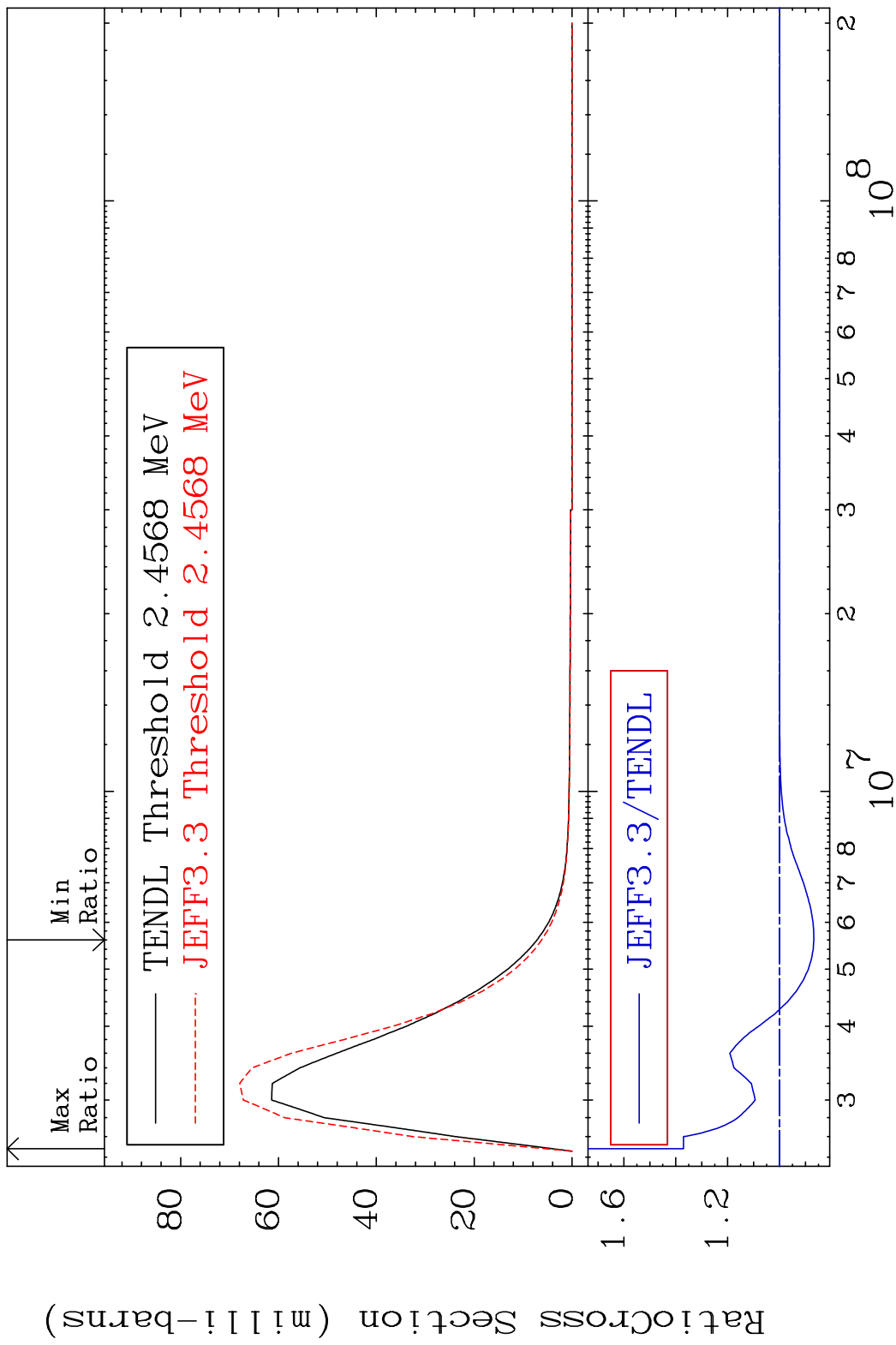
24 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 58 (n, n') Level 36-Kr-82
 Cross Section -15.90 To 58.21 %



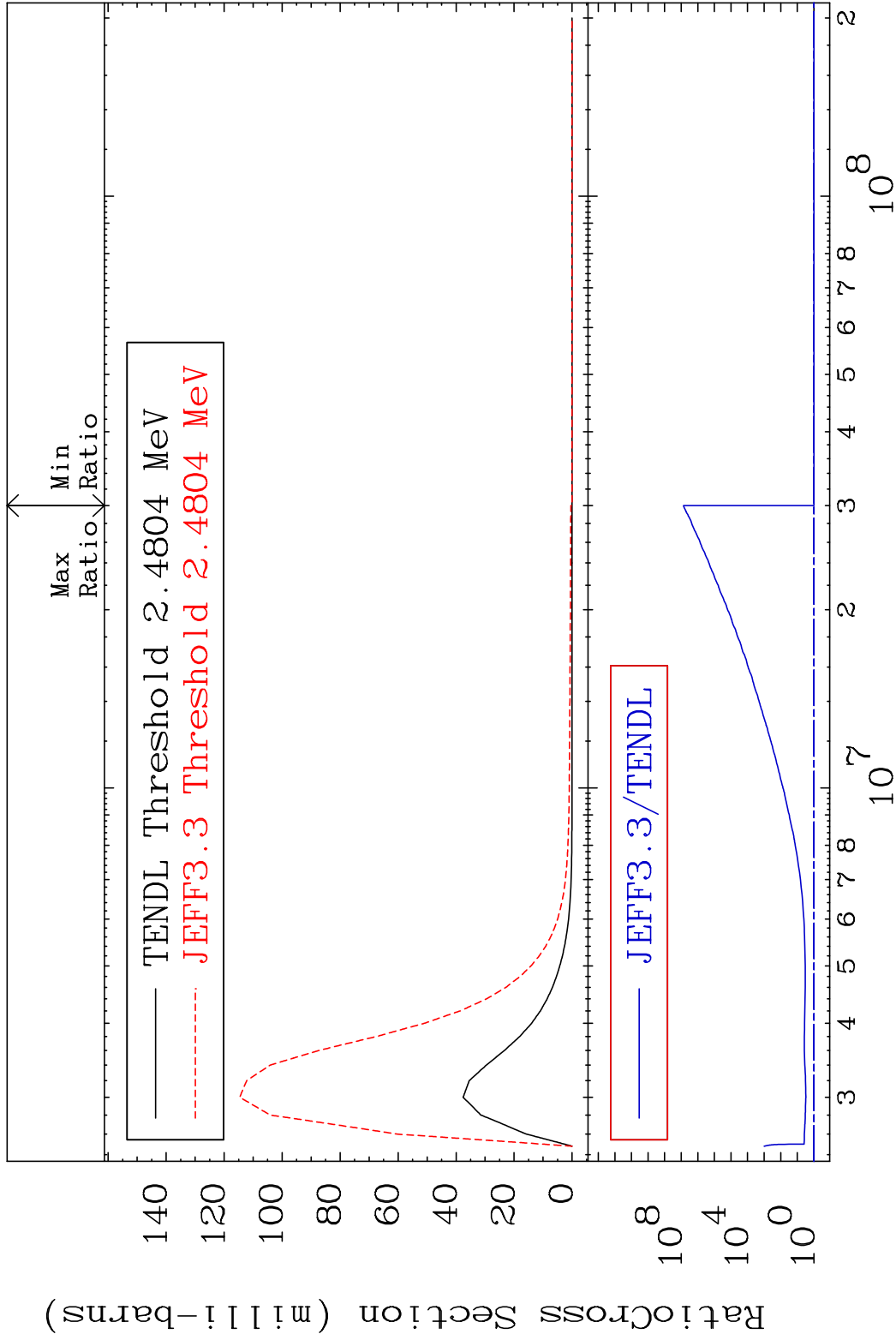
25 36-Kr-82

MAT 3637 MT= 59 (n, n') Level 36-Kr-82
 Cross Section -13.23 To 37.04 %



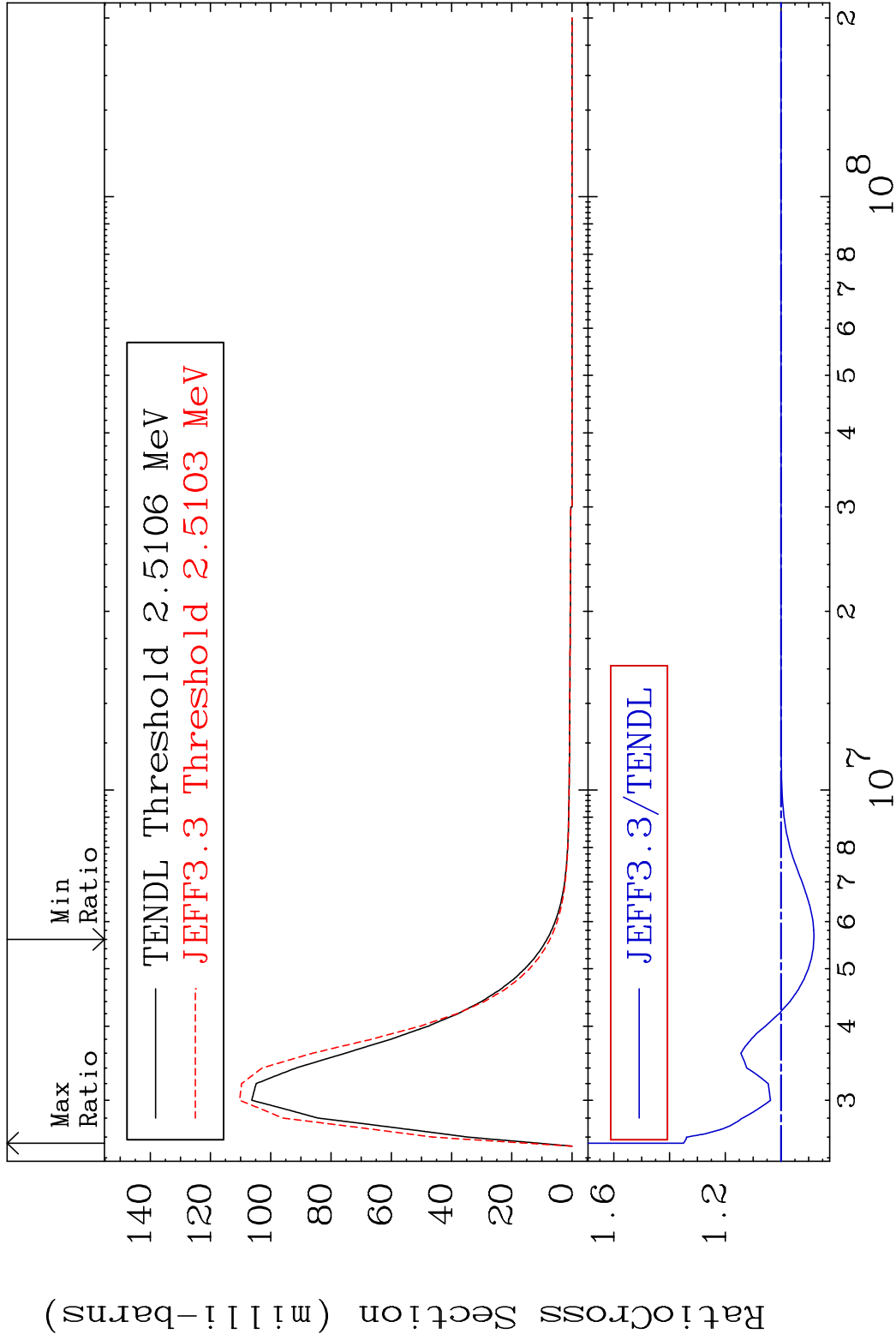
26 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 60 (n, n') Level 36-Kr-82
 Cross Section 0.000 To 9999. %



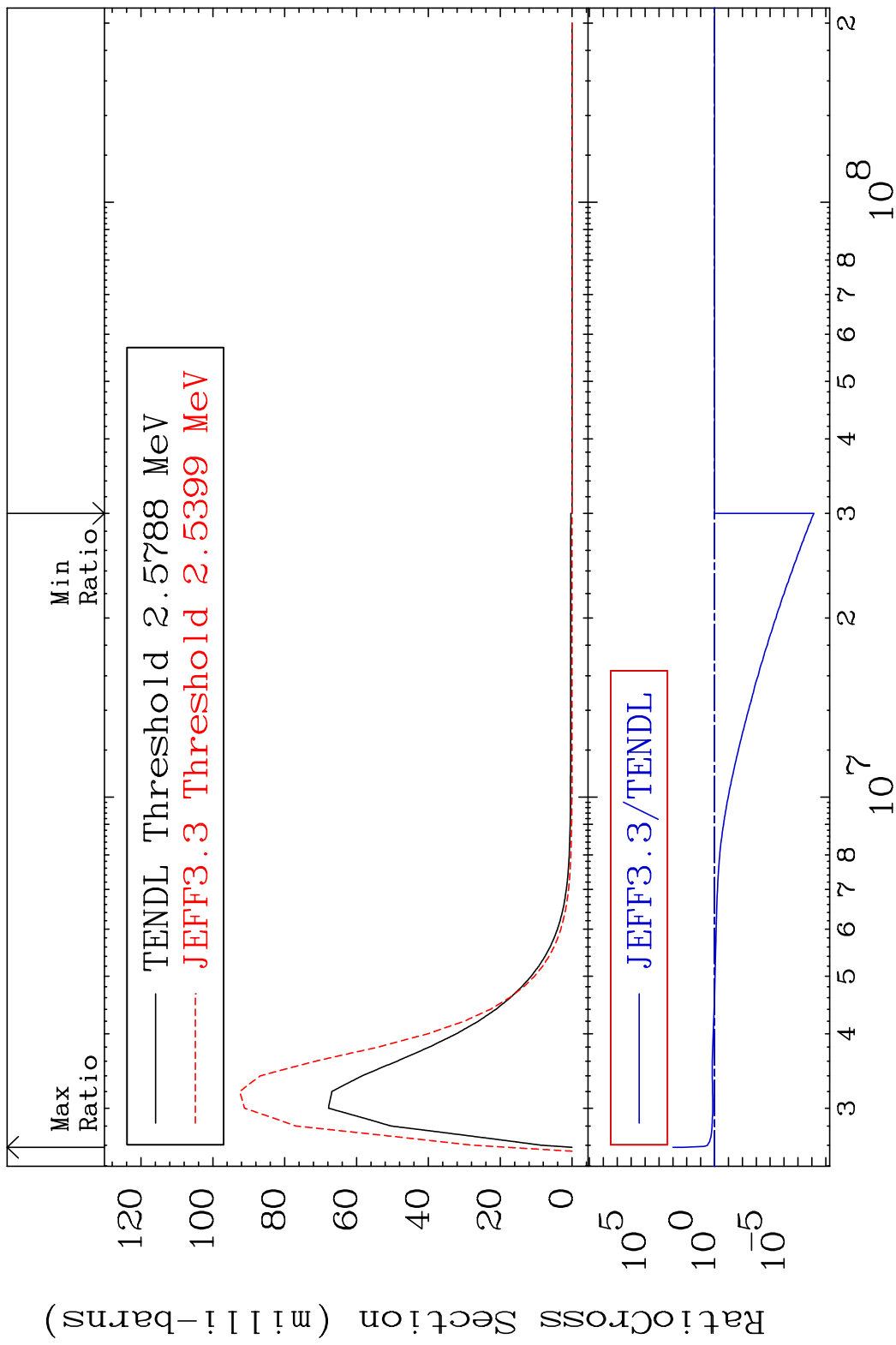
27 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 61 (n, n') Level 36-Kr-82
 Cross Section -11.83 To 35.01 %

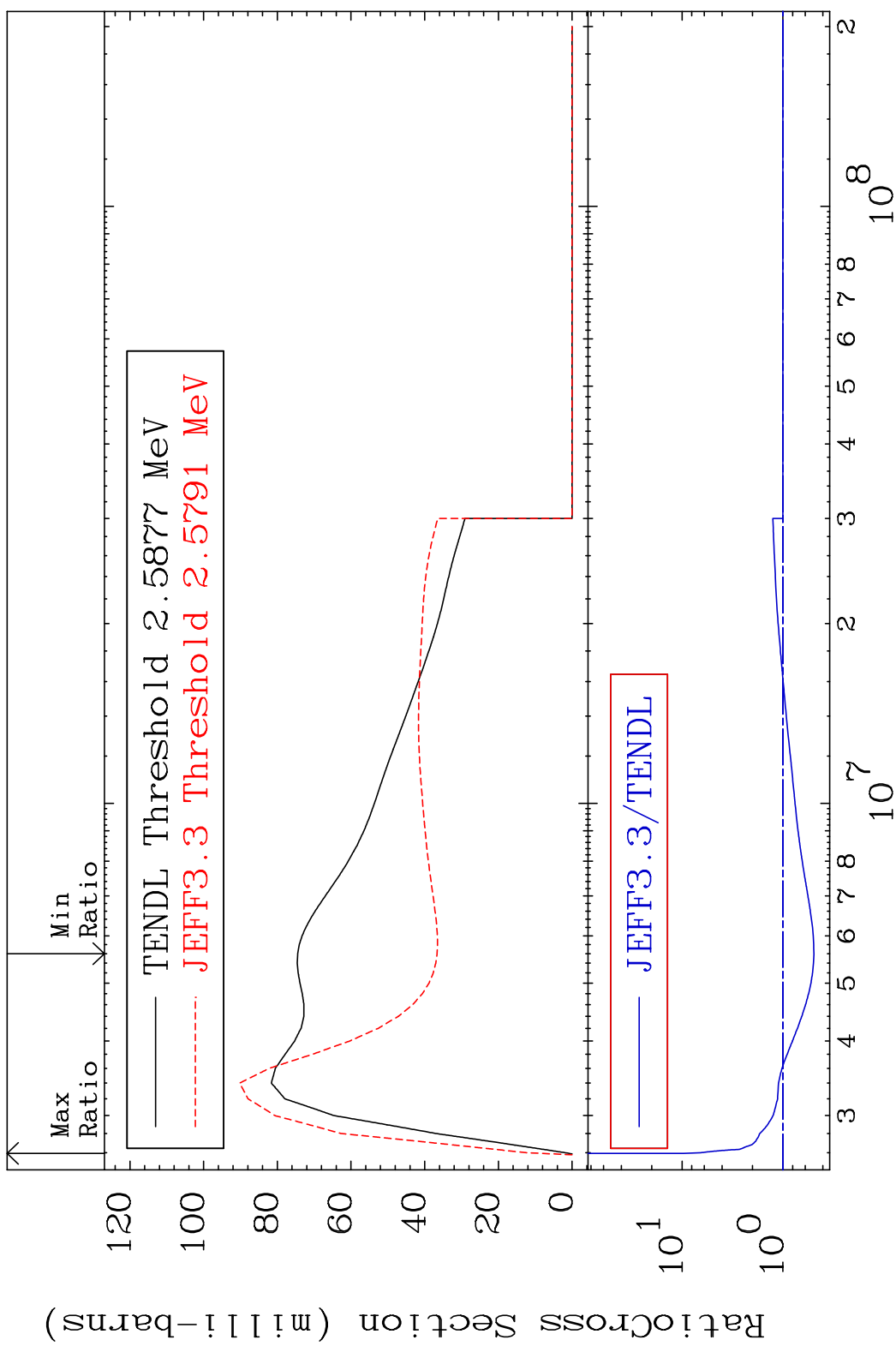


28 36-Kr-82

MAT 3637 MT= 62 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 9999. %

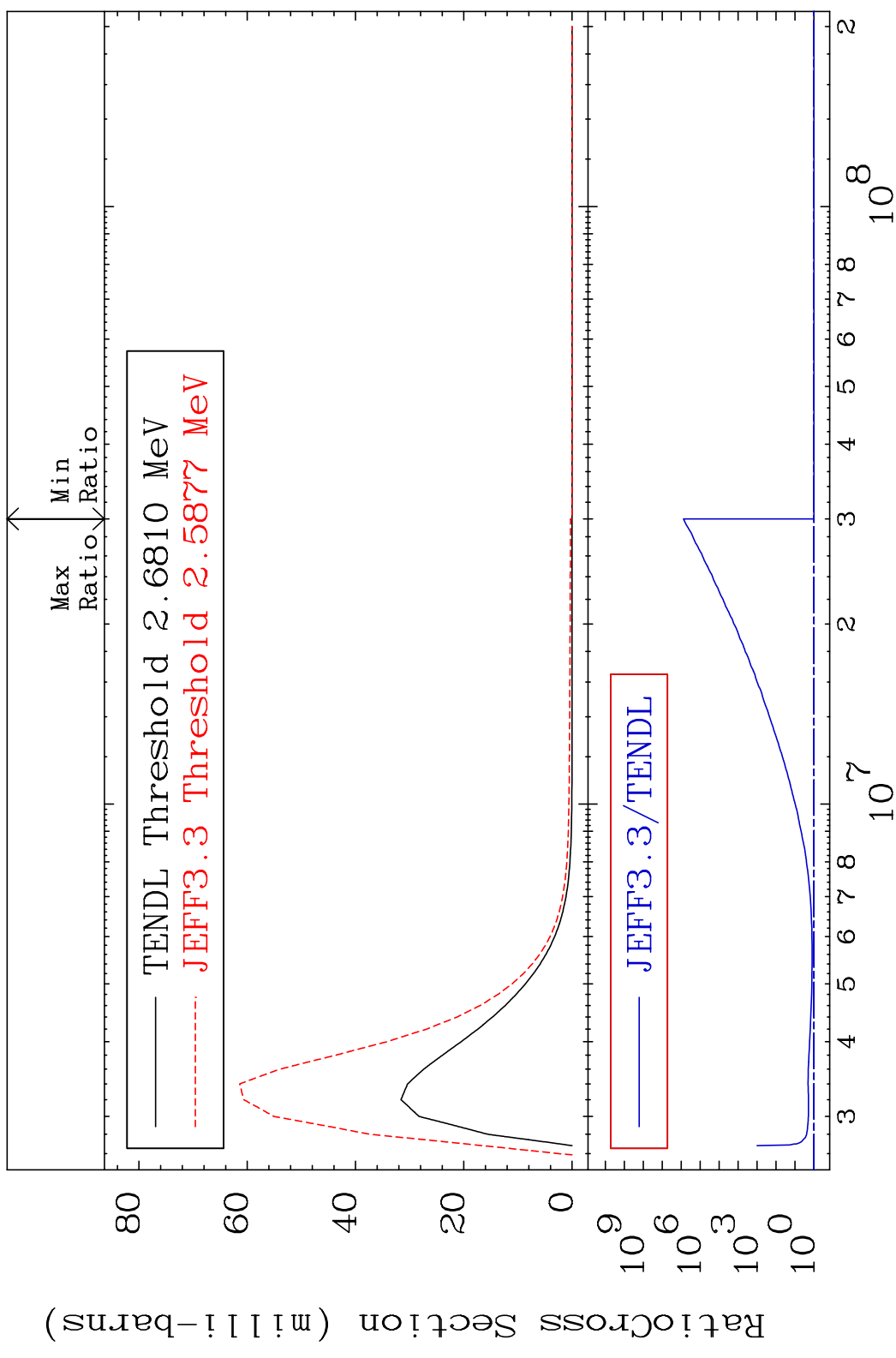


MAT 3637 MT= 63 (n, n') Level 36-Kr-82
 Cross Section -50.81 To 868.0 %

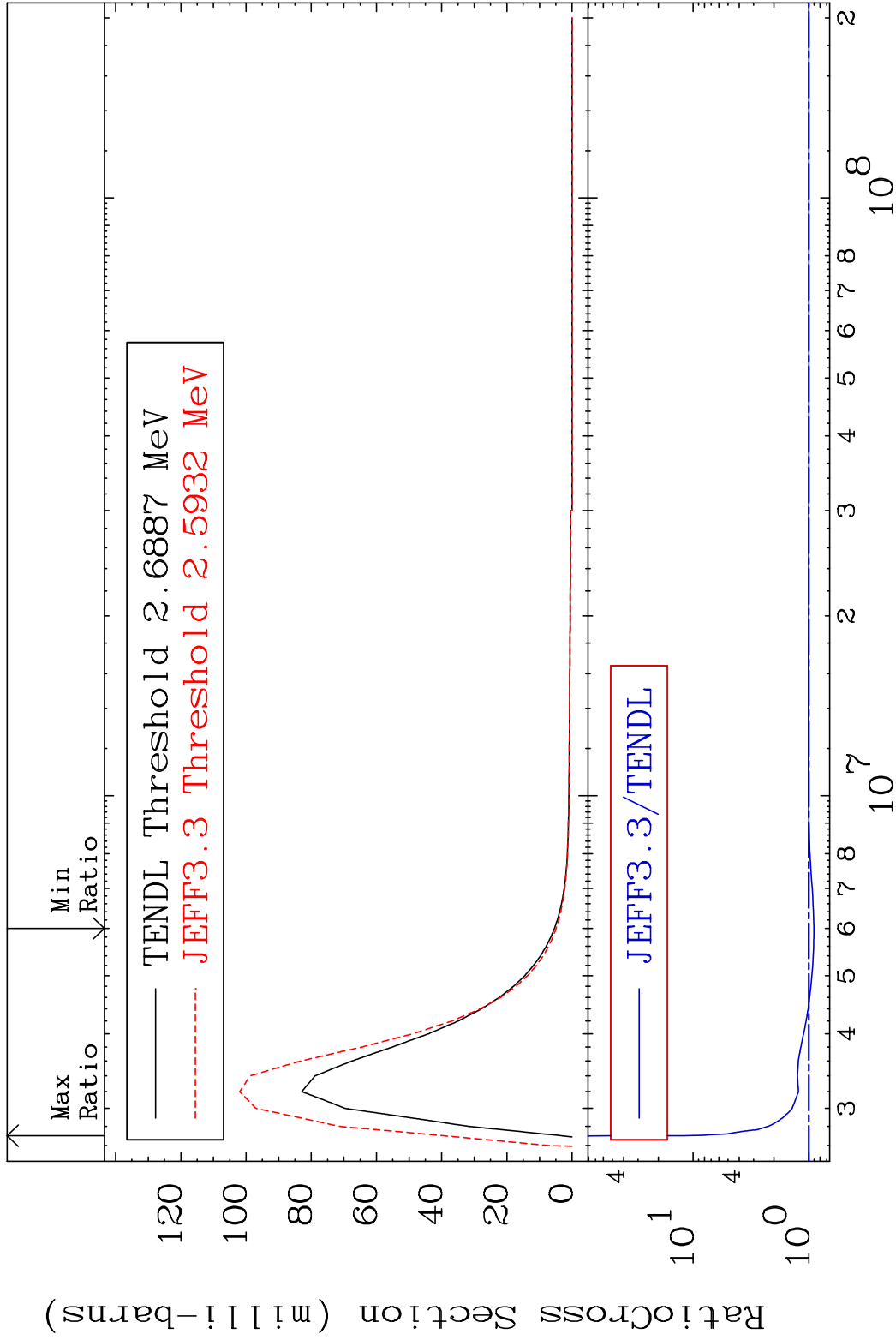


30 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 64 (n, n') Level 36-Kr-82
 Cross Section 0.000 To 9999. %

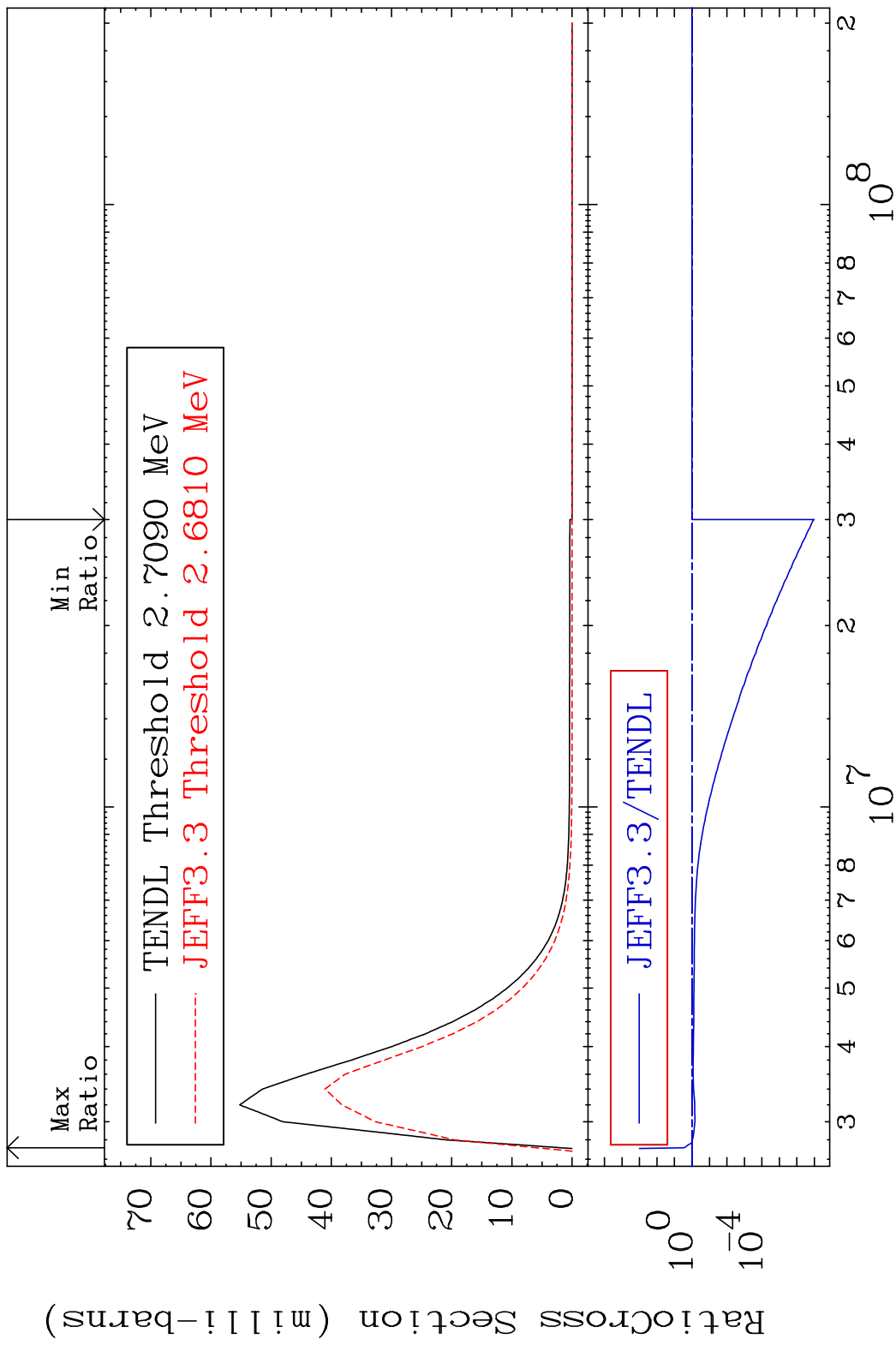


MAT 3637 MT= 65 (n, n') Level 36-Kr-82
 Cross Section -9.567 To 1114. %



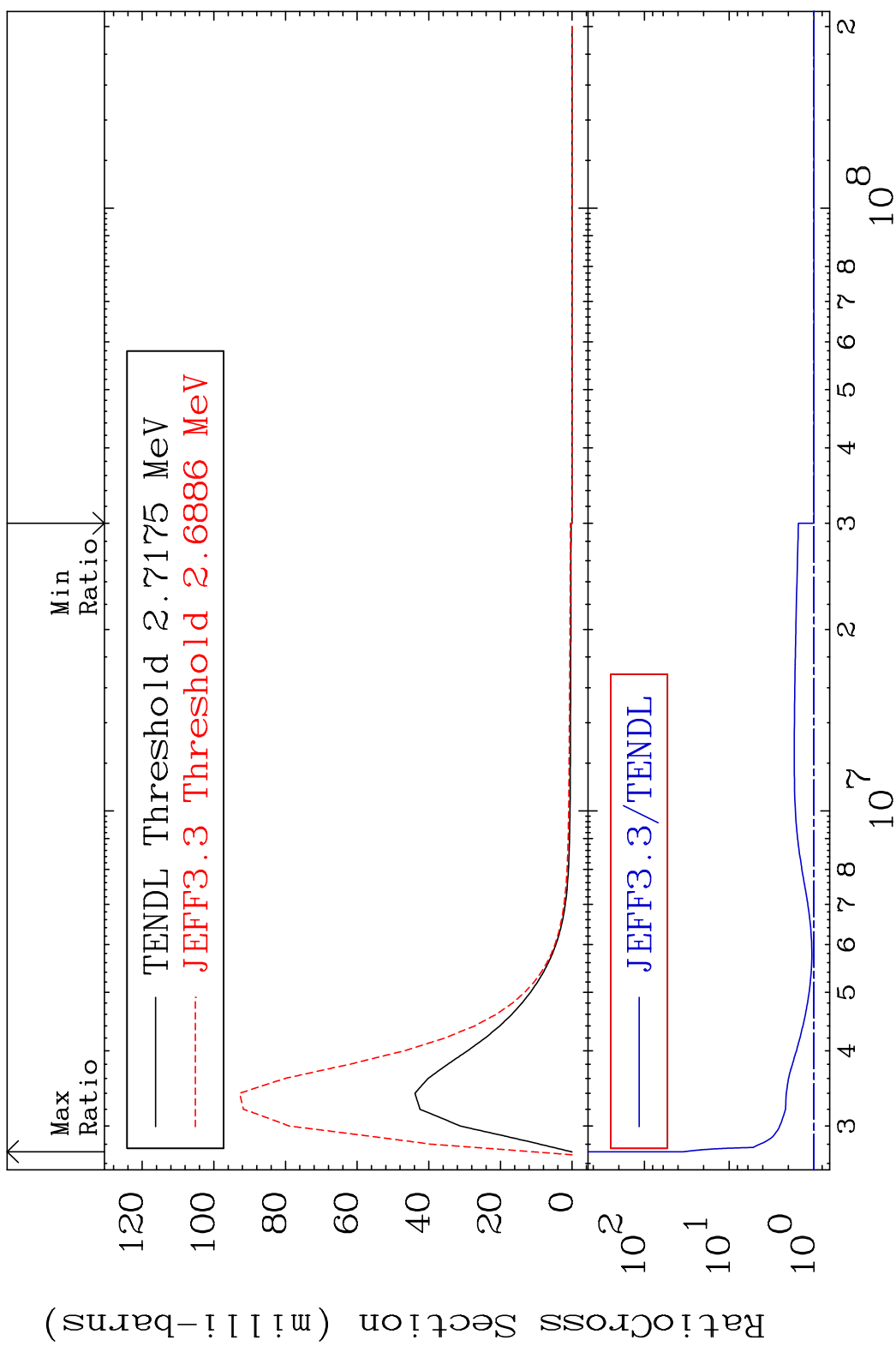
32 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 66 (n, n') Level 36-Kr-82
 Cross Section -100.0 To 205.4 %

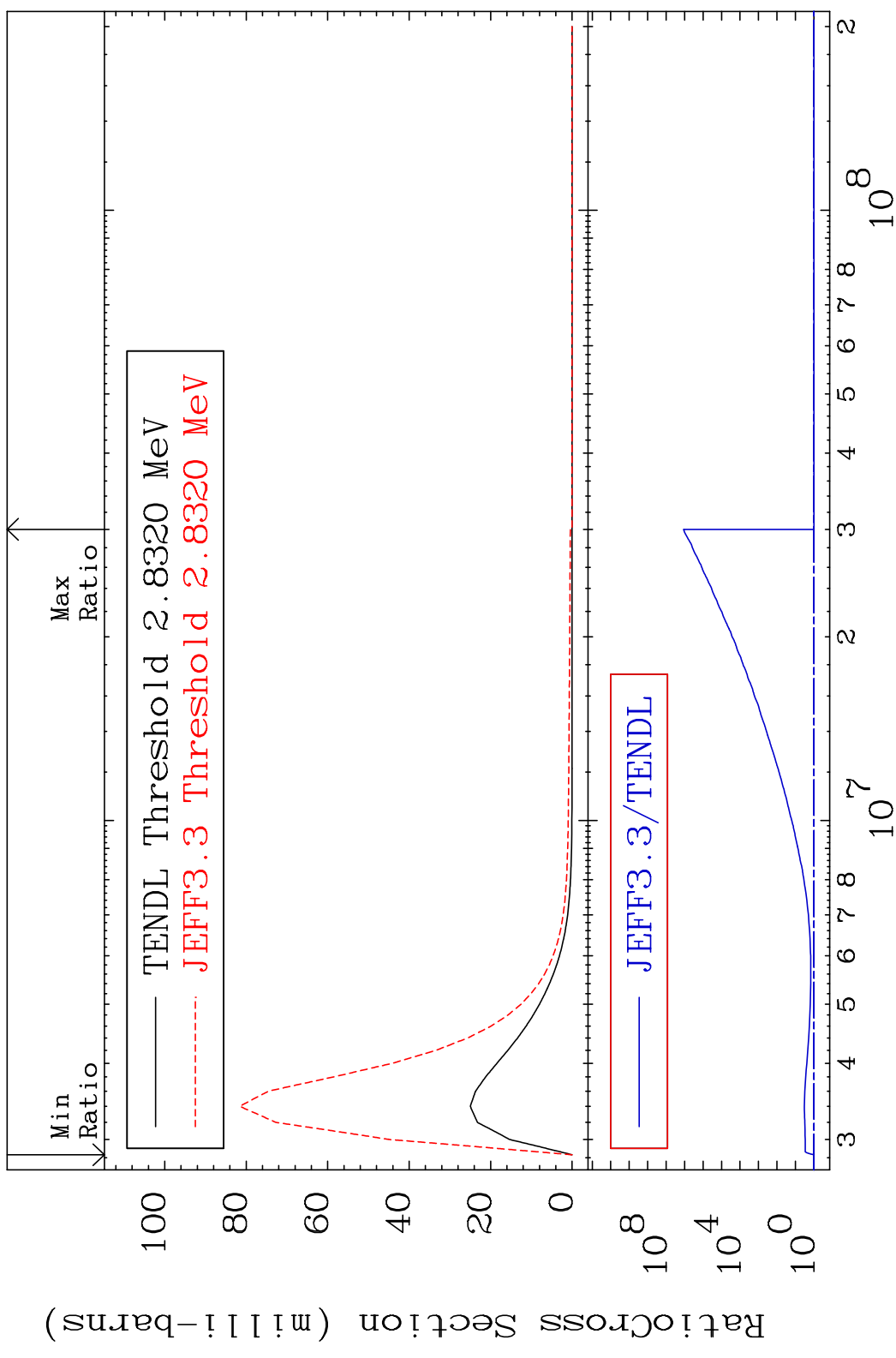


33 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 67 (n, n') Level 36-Kr-82
 Cross Section 0.000 To 3358. %

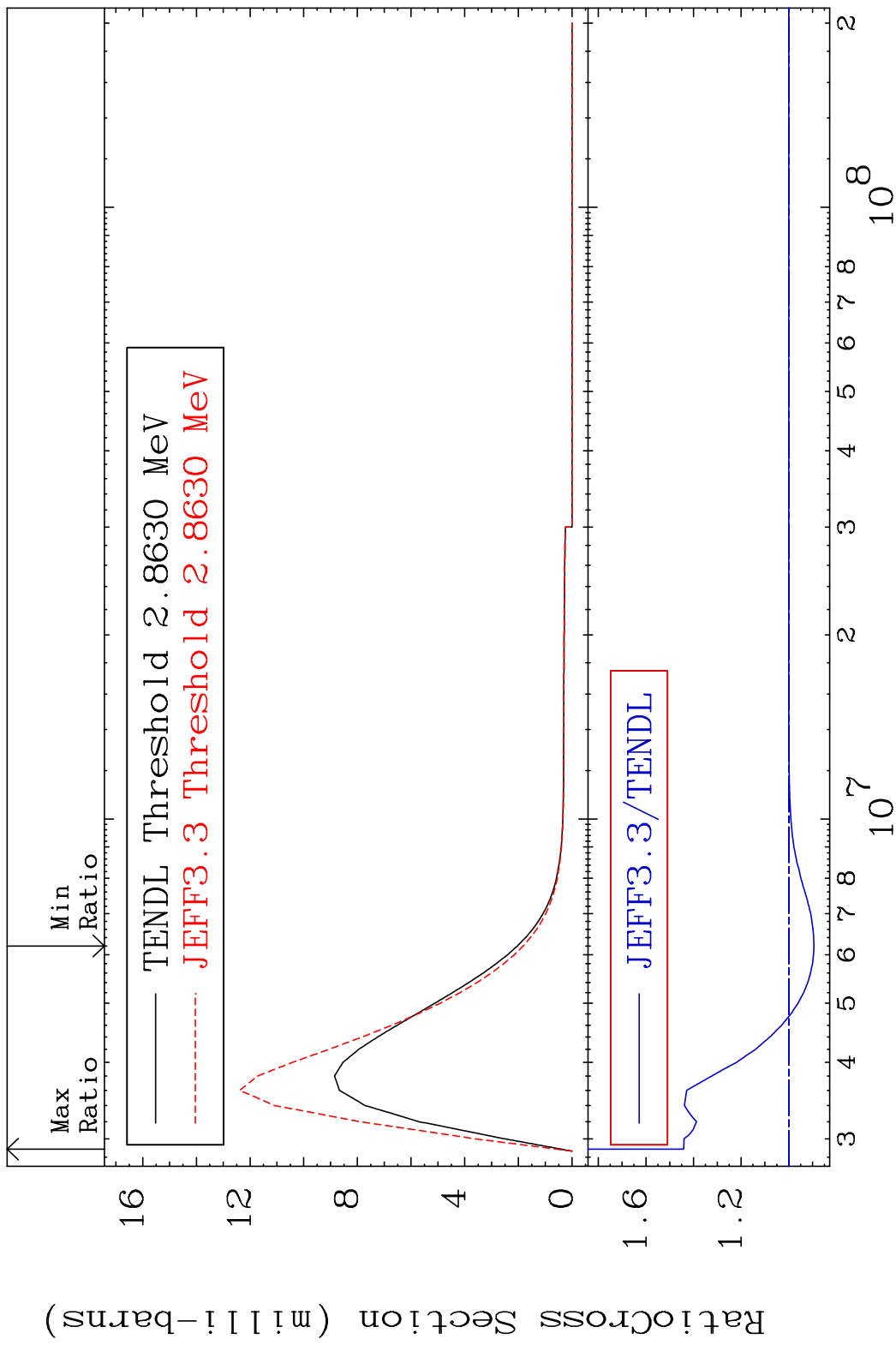


MAT 3637 MT= 68 (n, n') Level 36-Kr-82
 Cross Section 0.000 To 9999. %



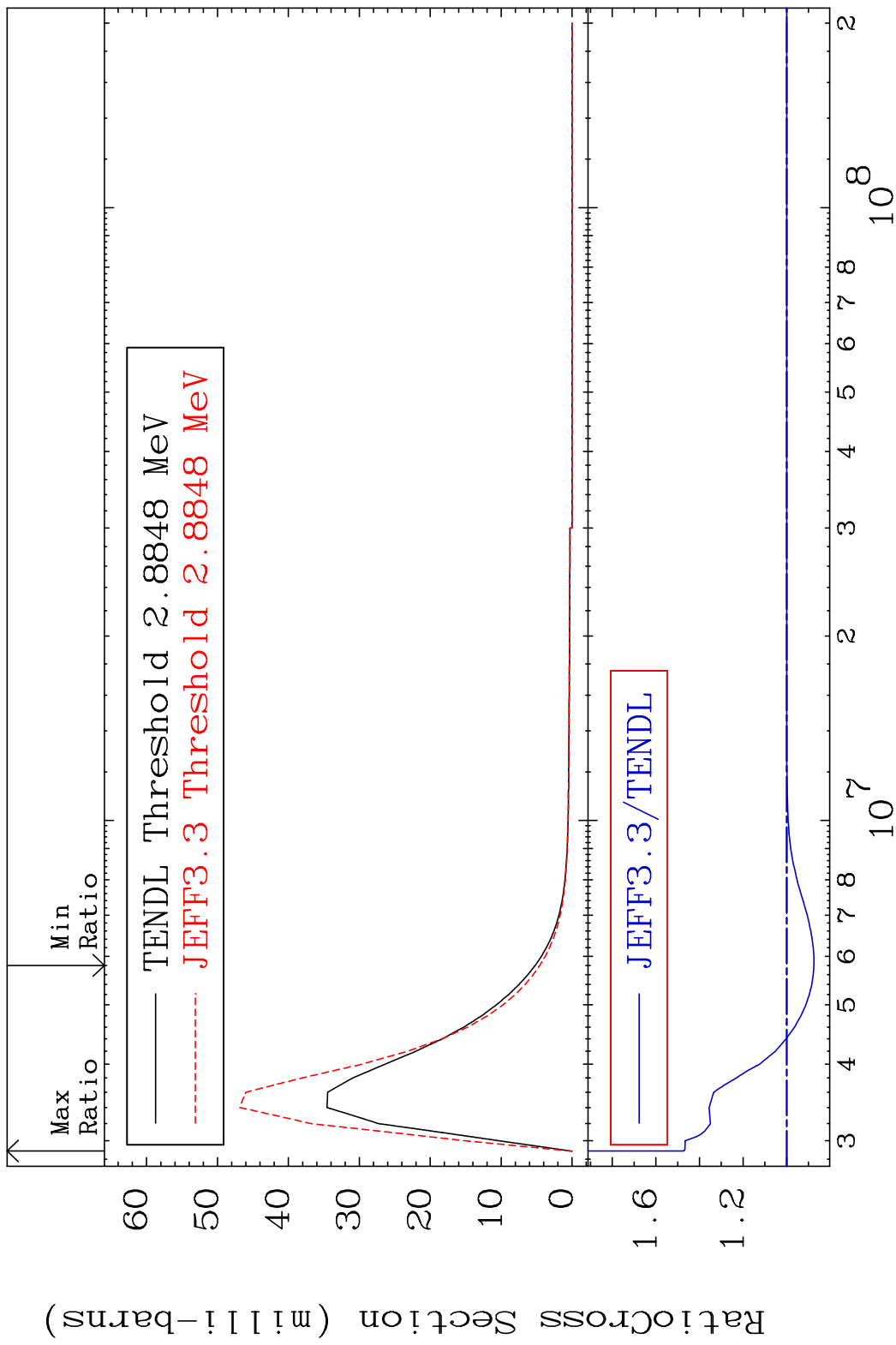
35 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 69 (n, n') Level 36-Kr-82
 Cross Section -10.57 To 44.23 %



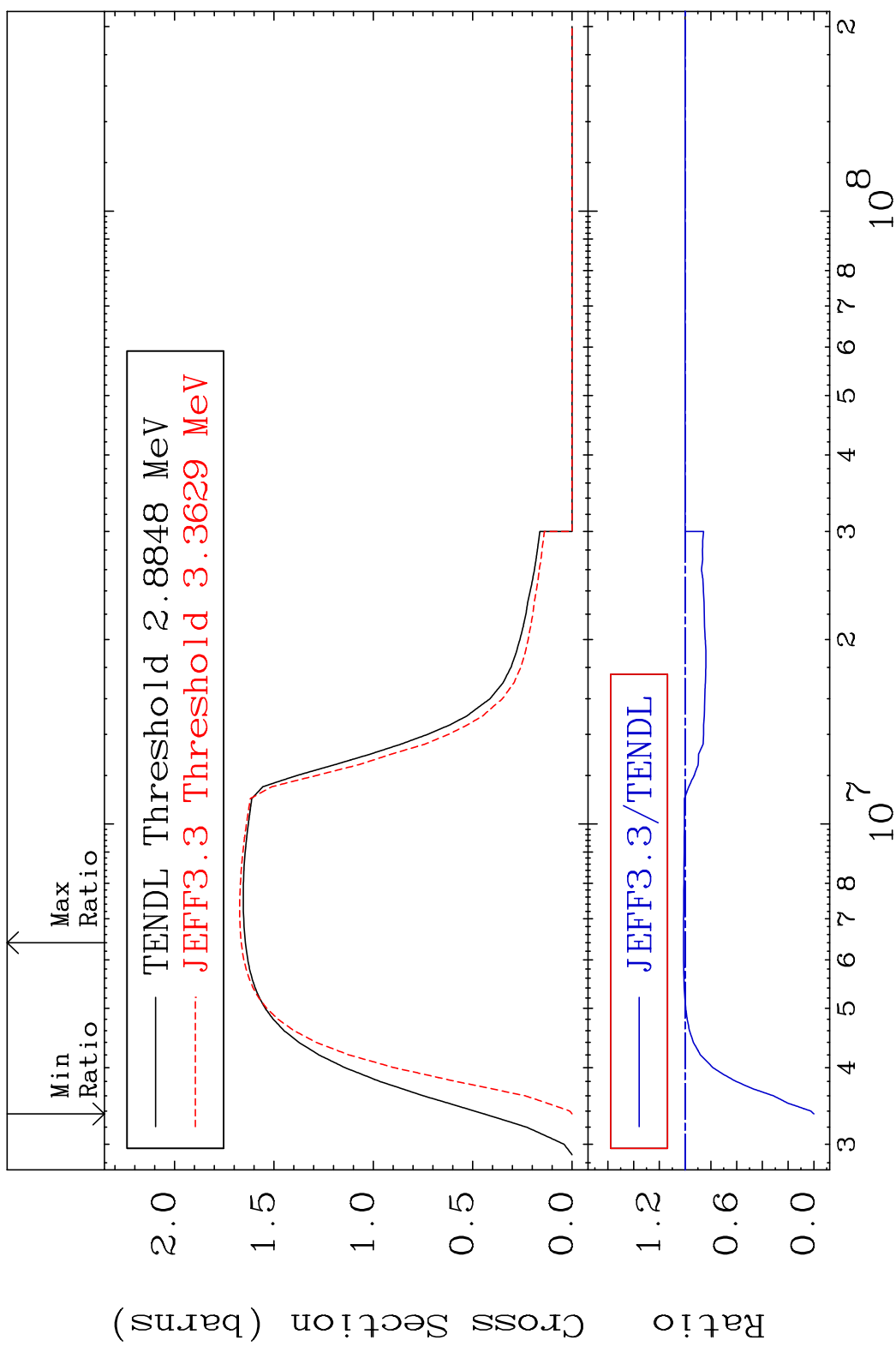
36 Incident Energy (eV) 36-Kr-82

MAT 3637 MT= 70 (n, n') Level 36-Kr-82
 Cross Section -12.48 To 47.36 %

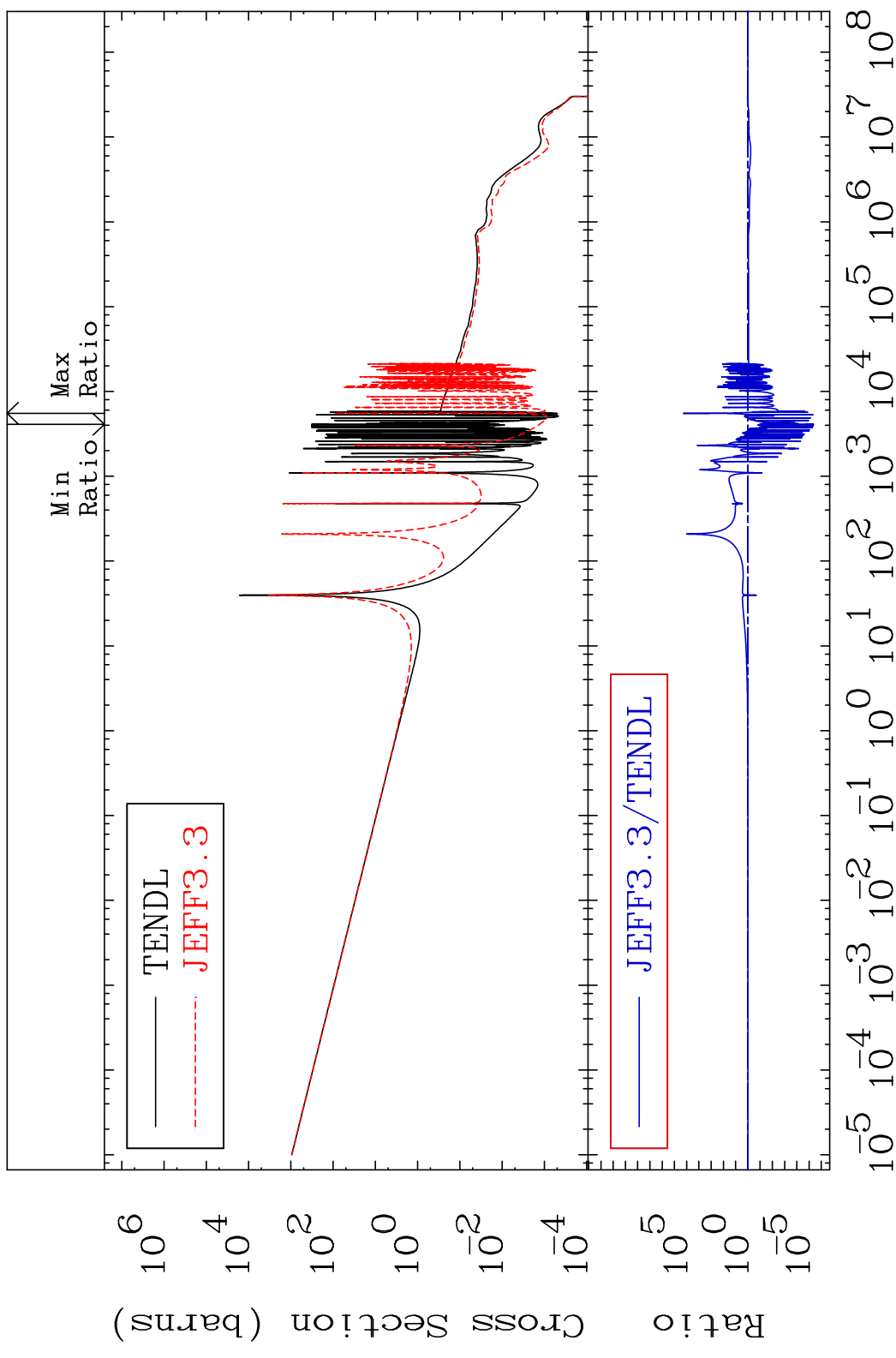


37 Incident Energy (eV) 36-Kr-82

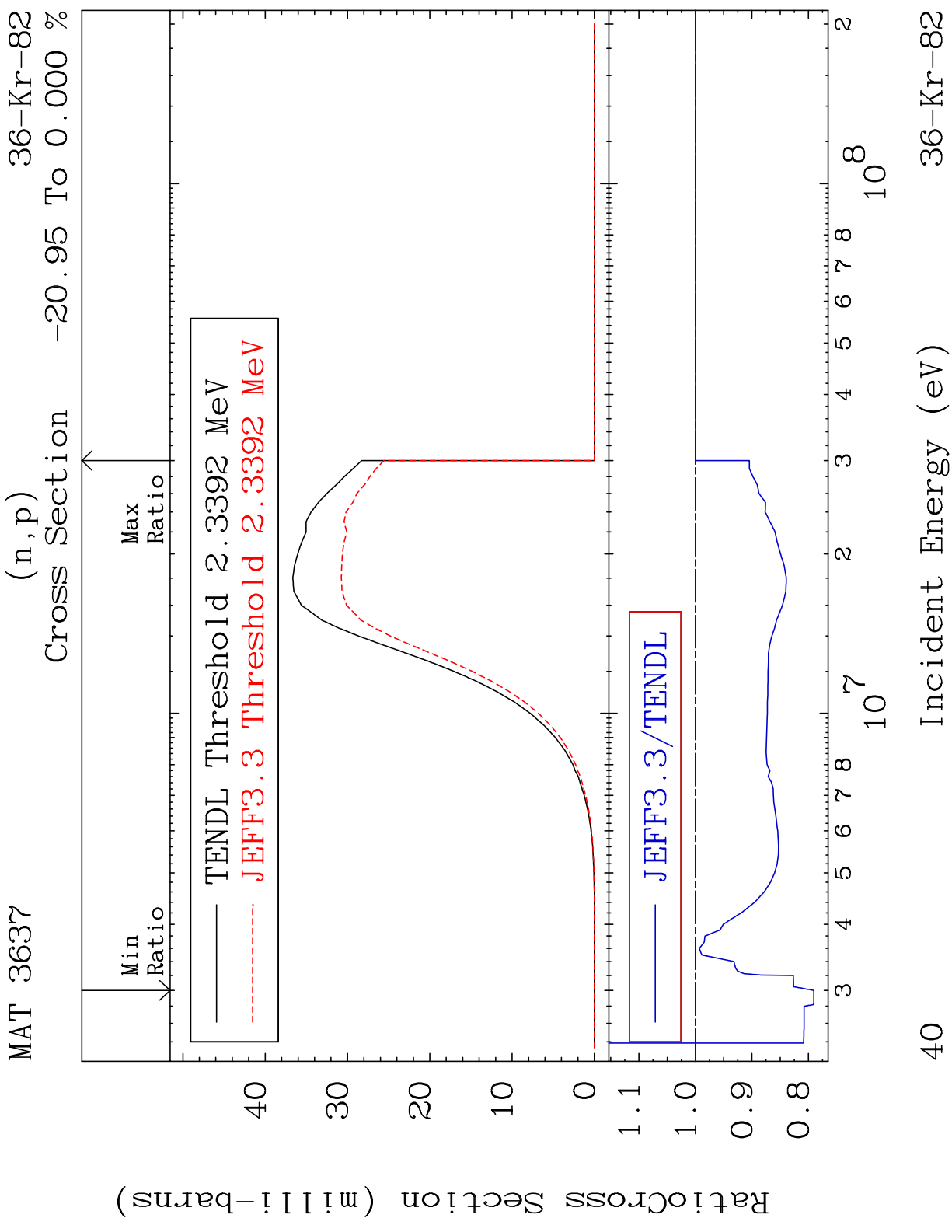
MAT 3637 (n, n') Continuum 36-Kr-82
 Cross Section -100.0 To 1.273 %

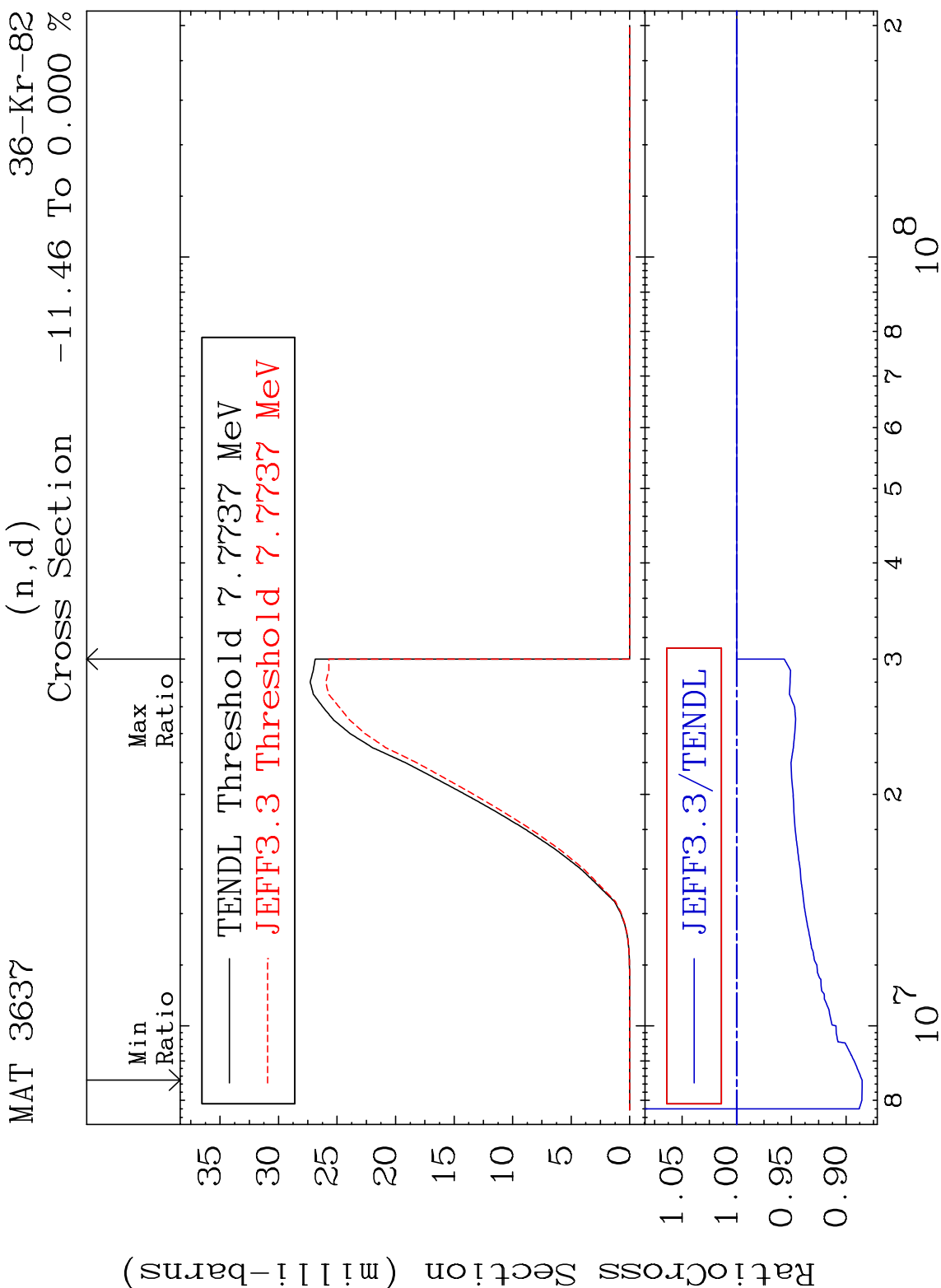


MAT 3637 (n, γ) 36-Kr-82
 Cross Section -100.0 To 9999. %

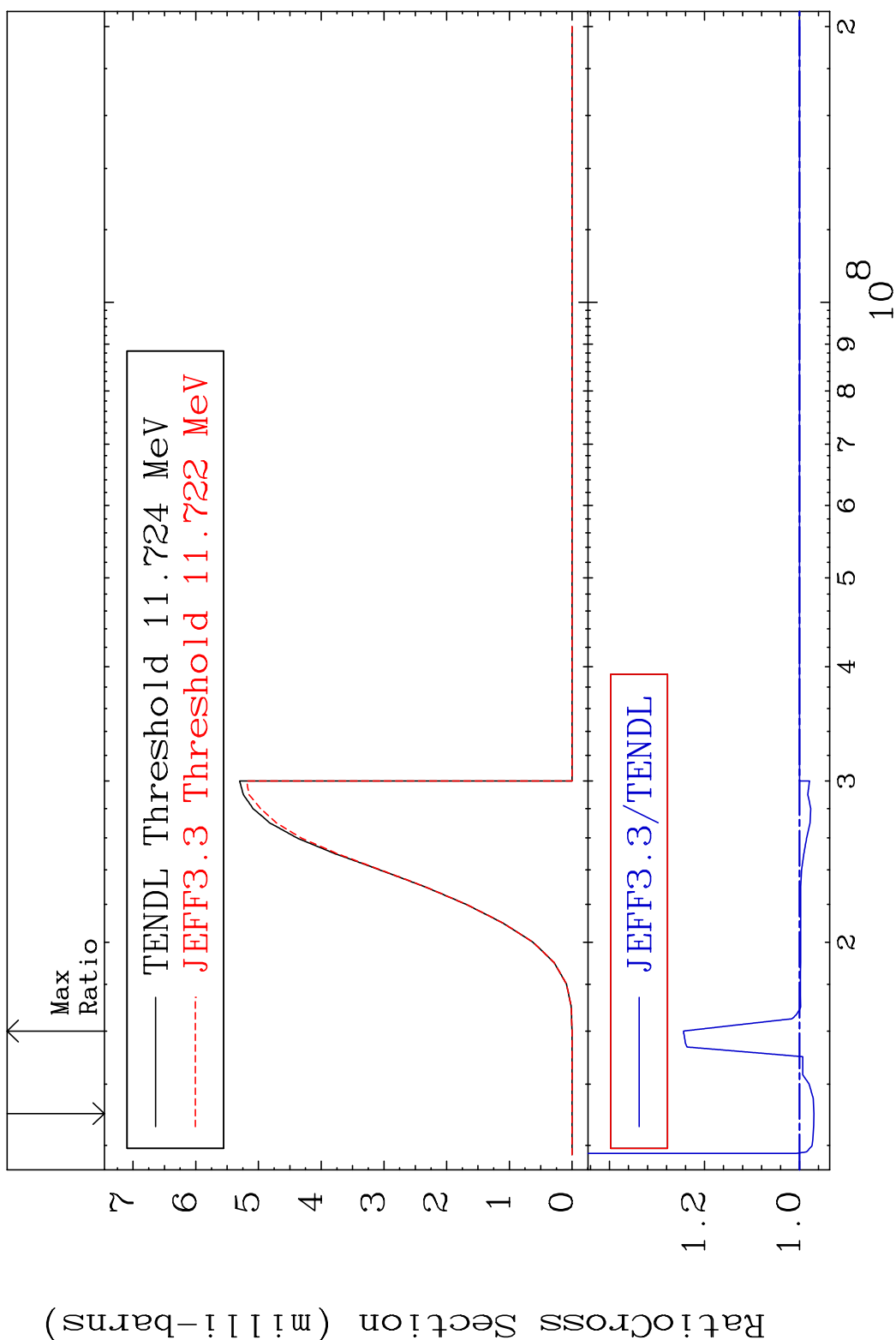


39 Incident Energy (eV) 36-Kr-82





MAT 3637 (n, t) 36-Kr-82
 Cross Section -3.007 To 24.44 %



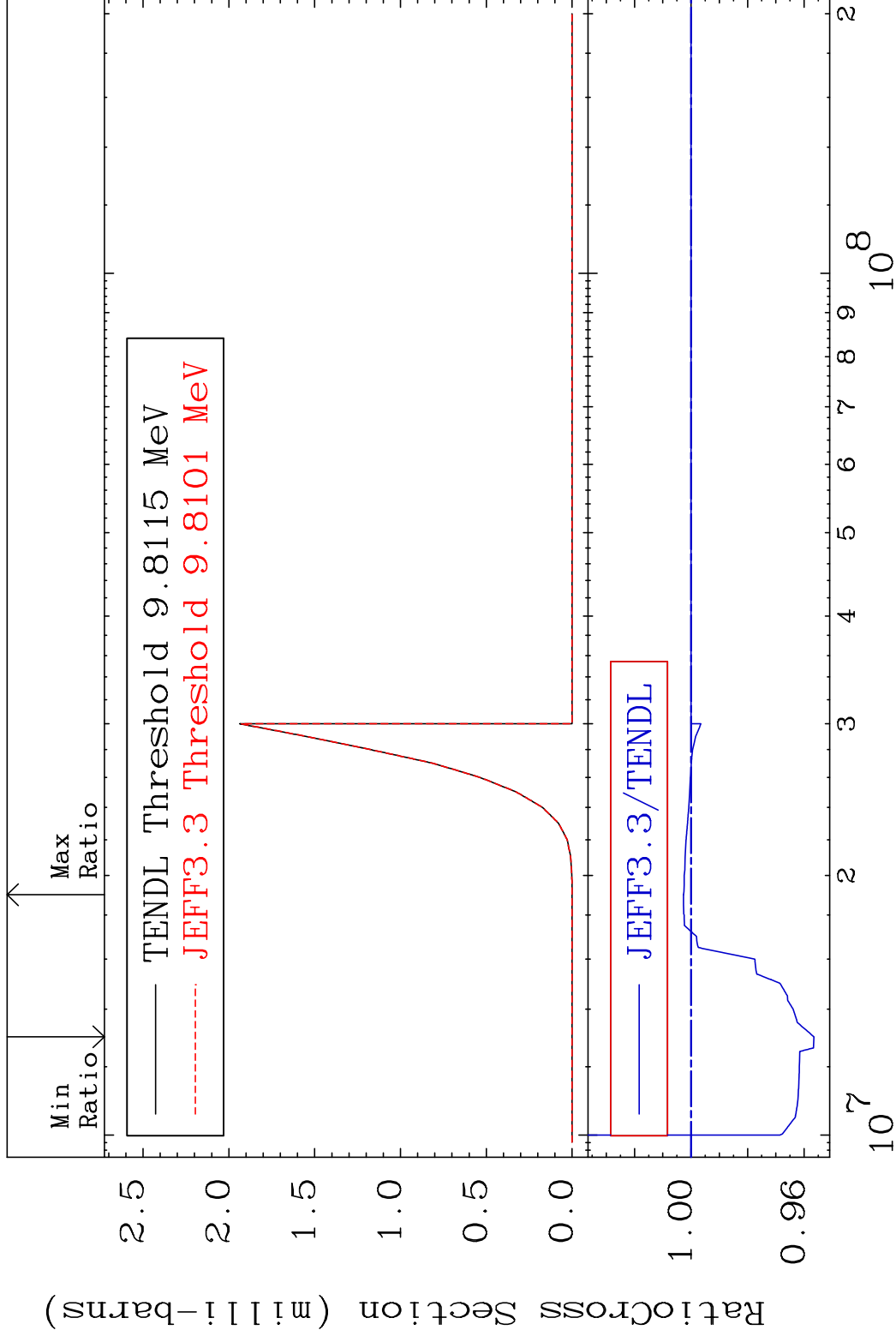
42 Incident Energy (eV) 36-Kr-82

MAT 3637

(n, He-3)

36-Kr-82

Cross Section -4.346 To 0.269 %



43

Incident Energy (eV)

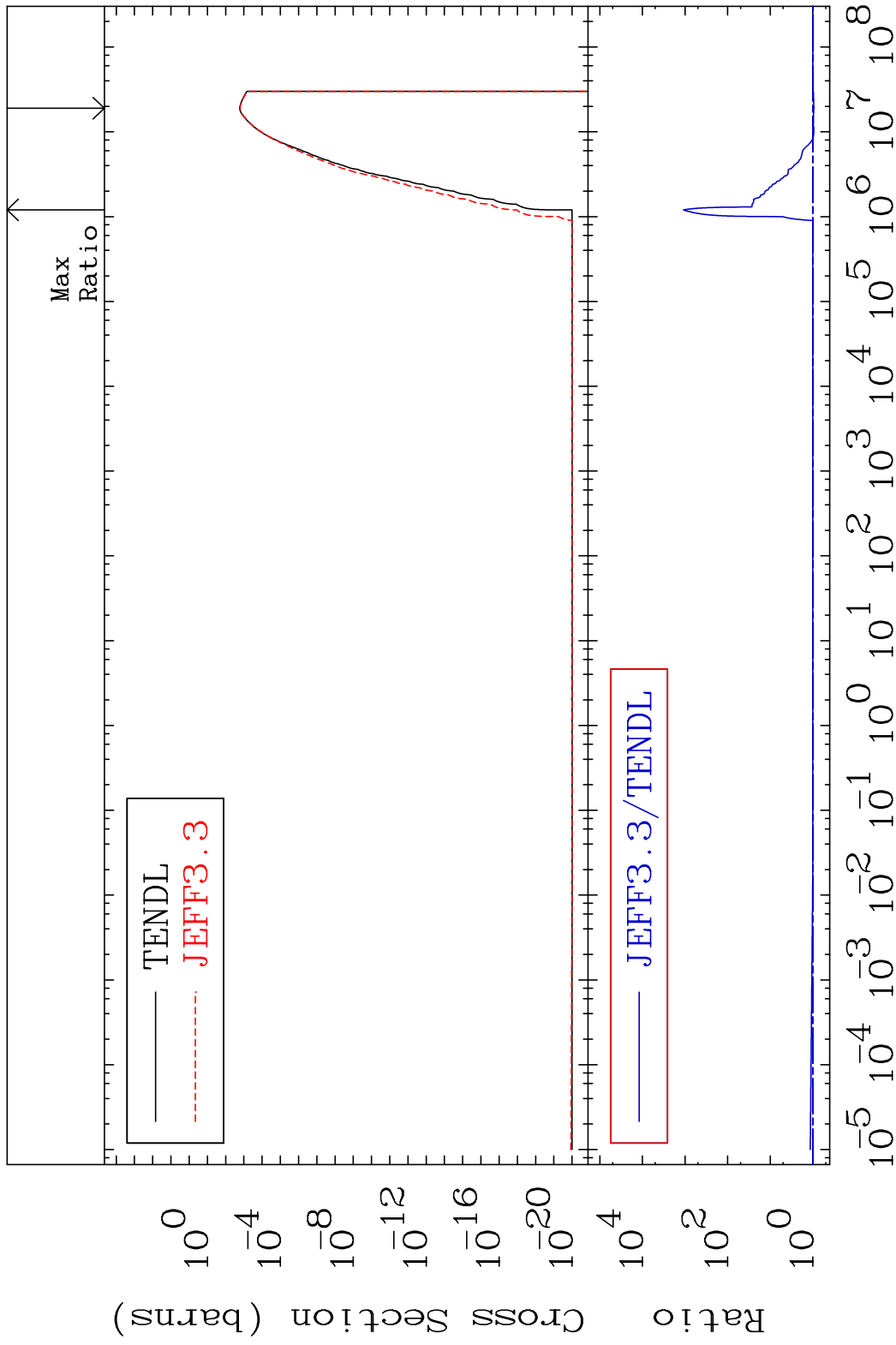
36-Kr-82

MAT 3637

(n, α)

36-Kr-82

Cross Section -5.160 To 9999. %



44

Incident Energy (eV)

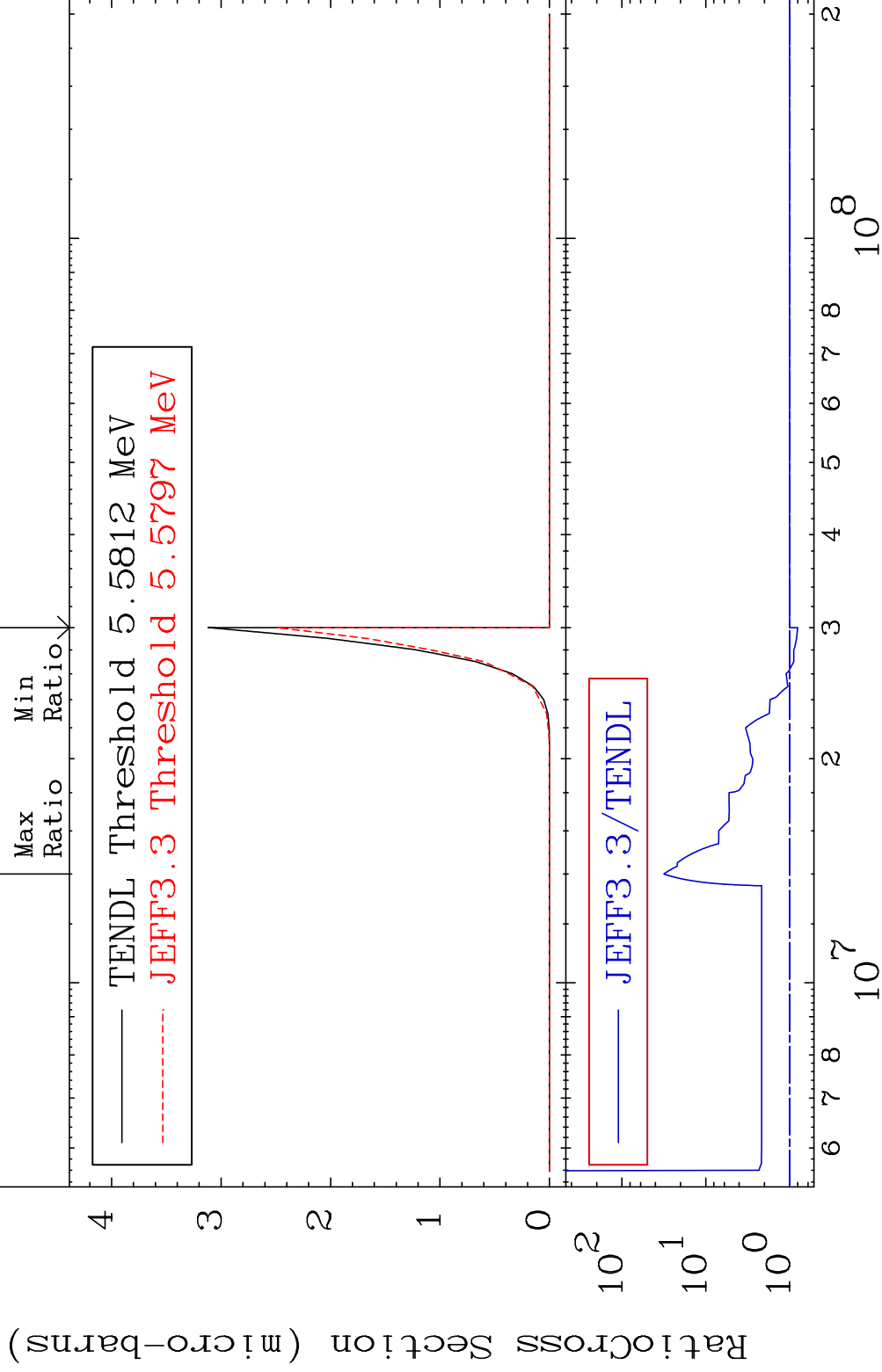
36-Kr-82

MAT 3637

(n,2α)

36-Kr-82

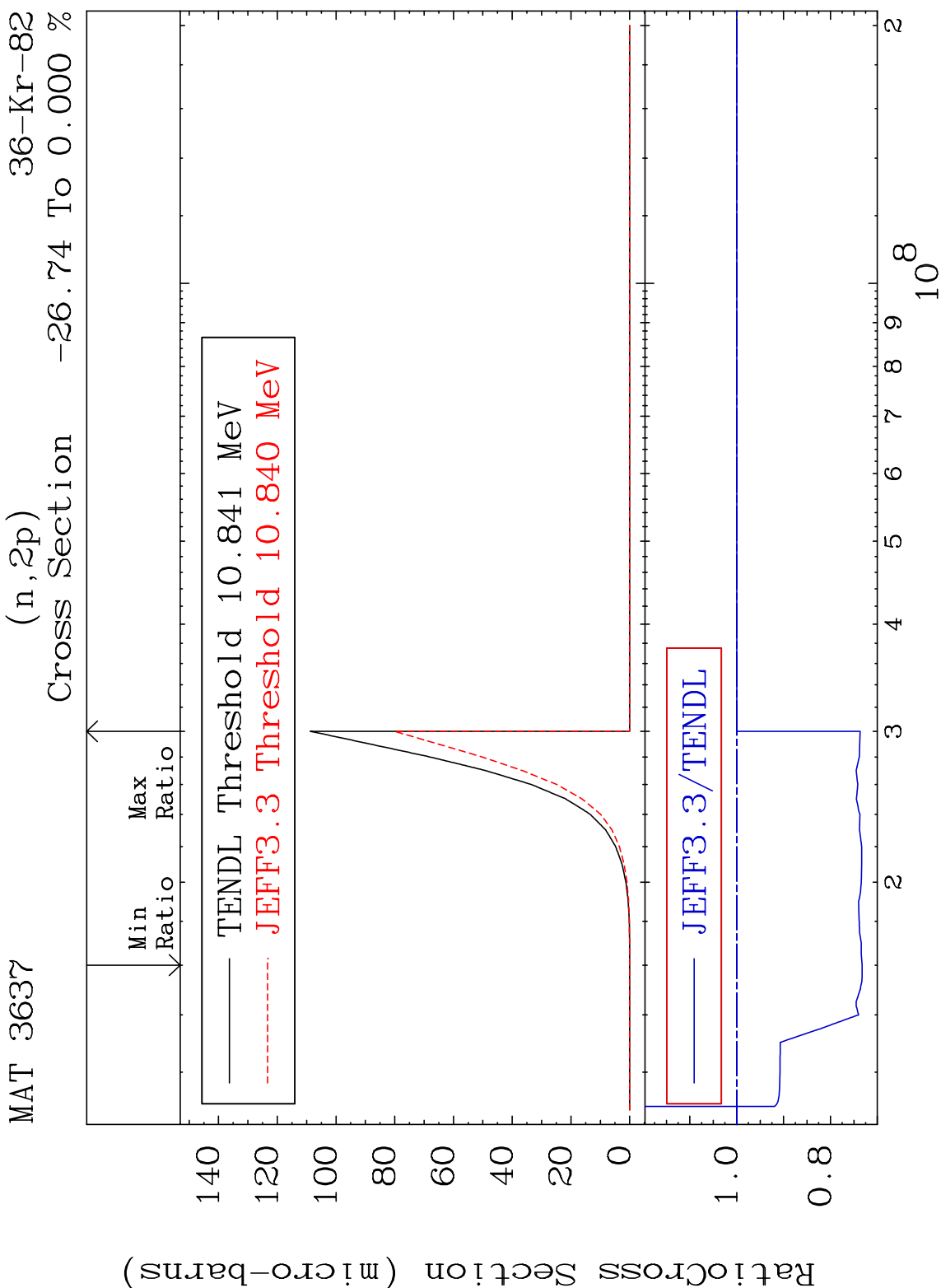
Cross Section -20.04 To 3067. %



45

Incident Energy (eV)

36-Kr-82

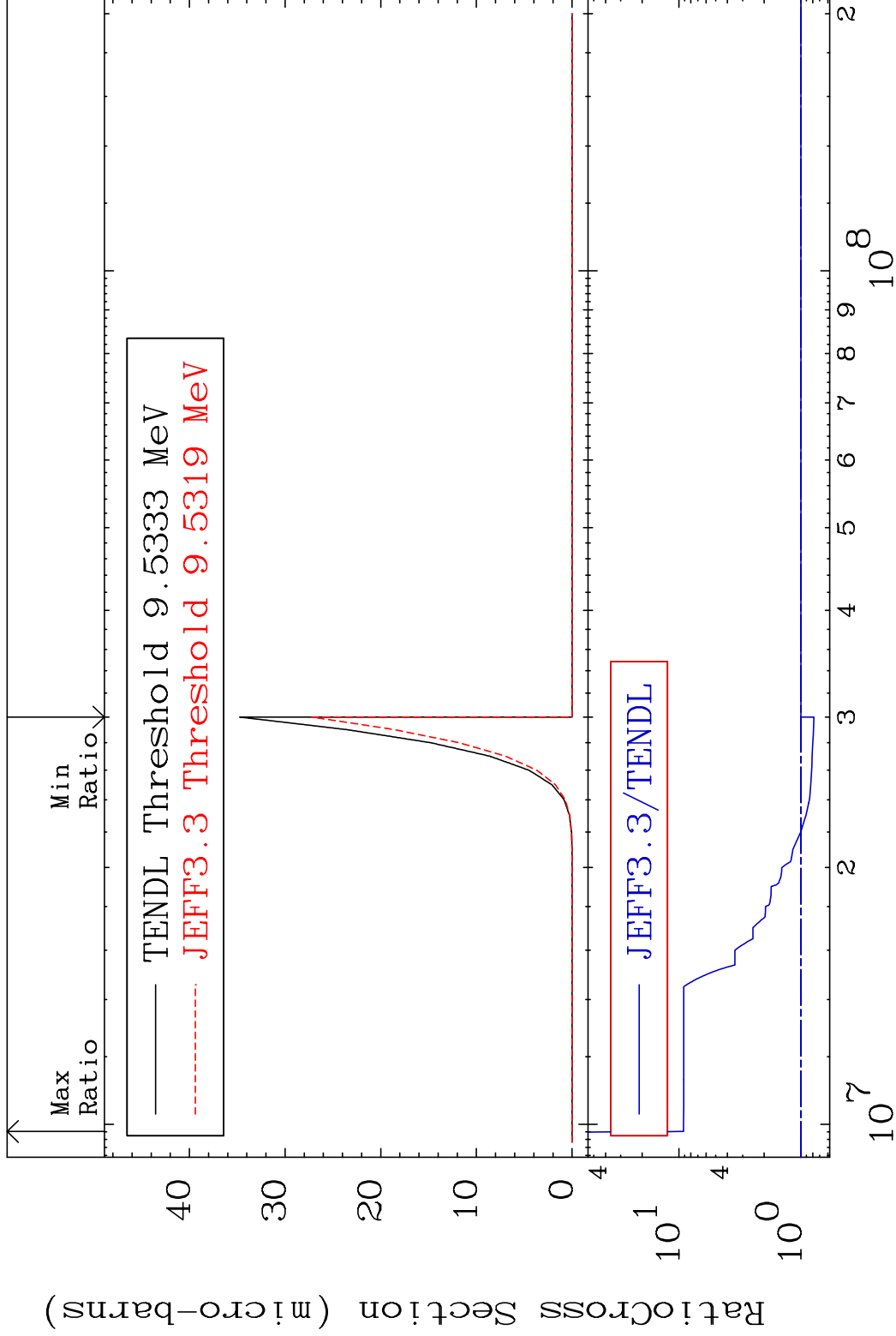


MAT 3637

(n, p) α

36-Kr-82

Cross Section -21.79 To 818.4 %

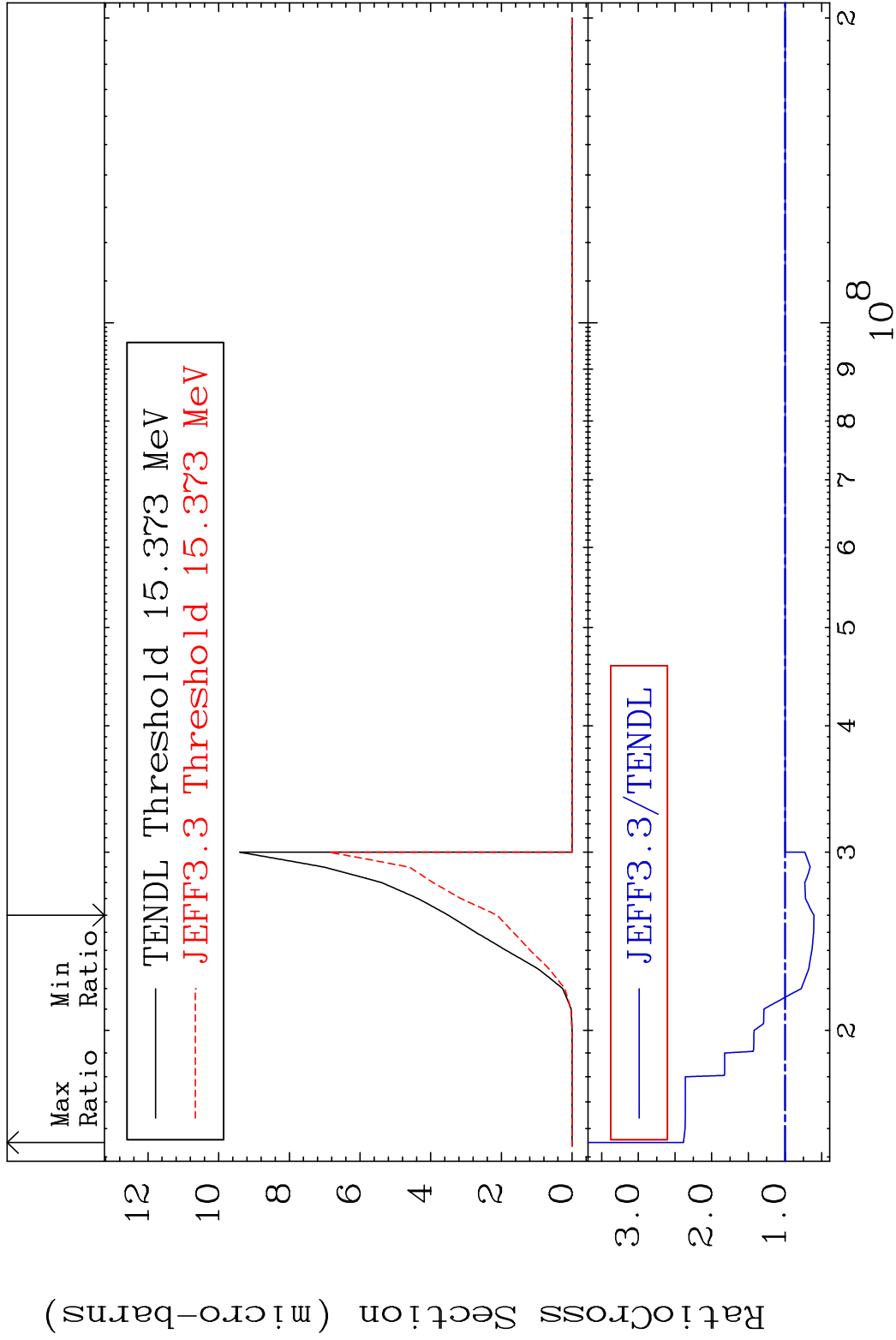


47

Incident Energy (eV)

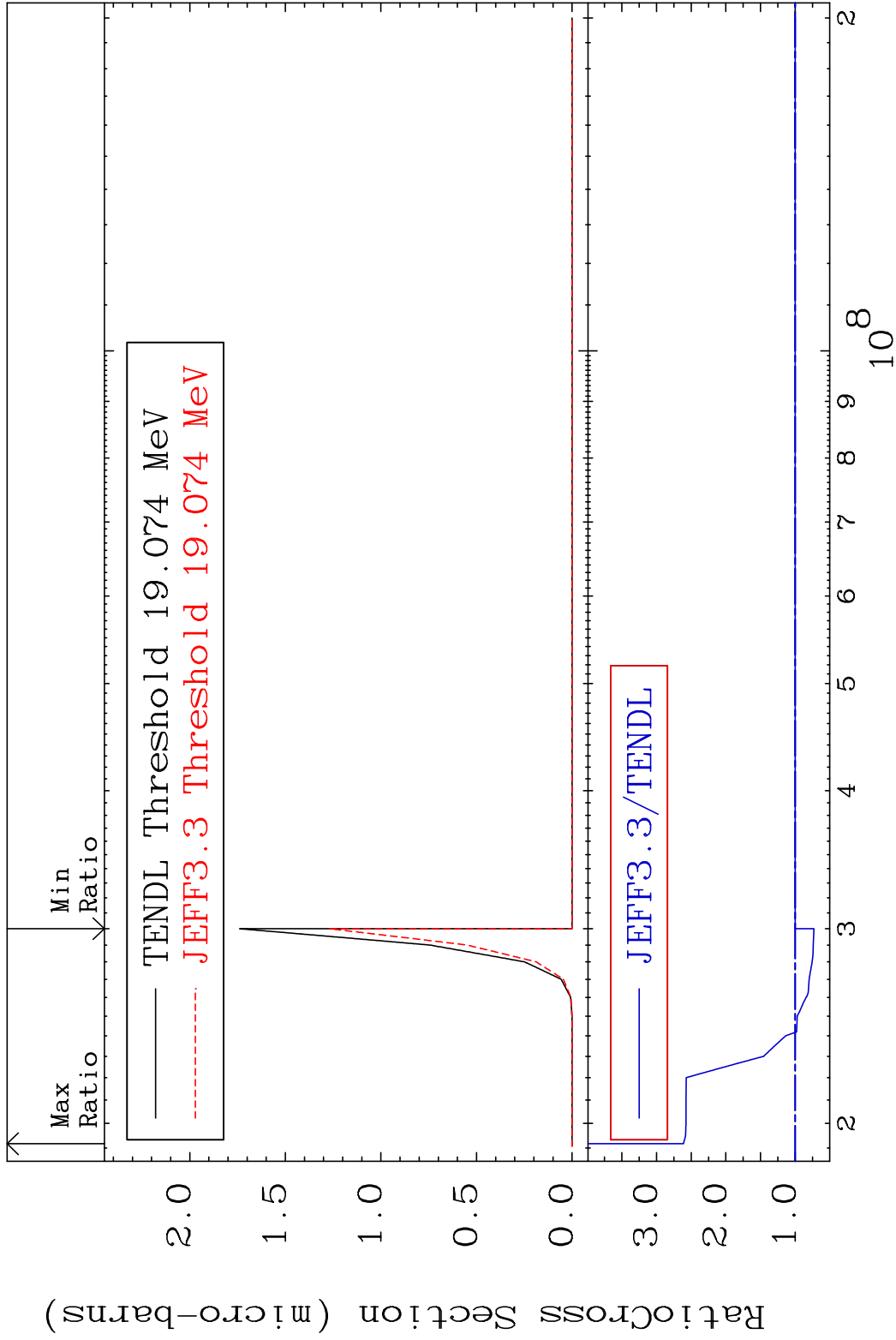
36-Kr-82

MAT 3637 (n,p) d 36-Kr-82
 Cross Section -39.32 To 138.5 %



48 36-Kr-82

MAT 3637 (n,p) t 36-Kr-82
 Cross Section -27.03 To 161.1 %



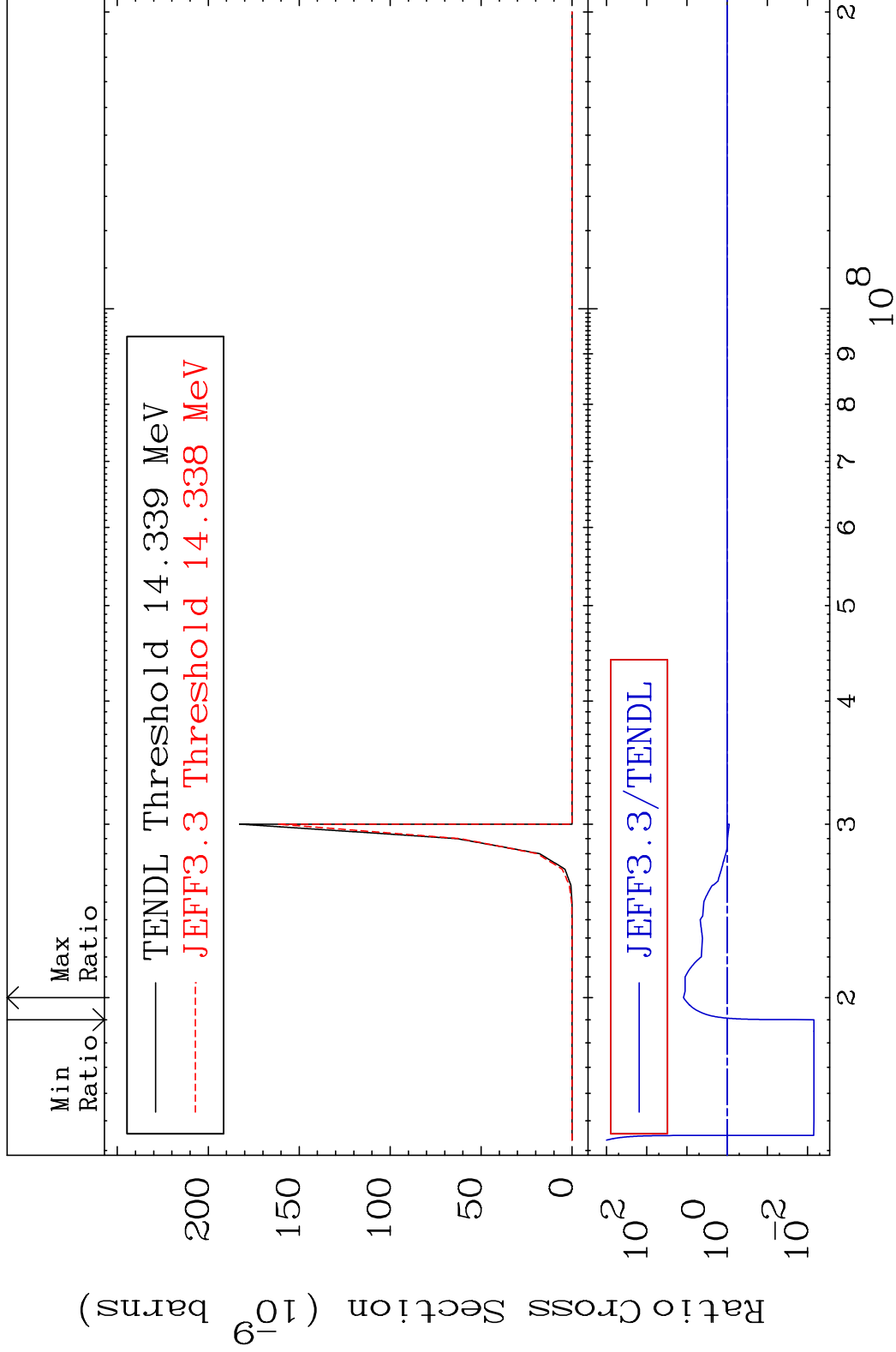
49 36-Kr-82

MAT 3637

(n, d) α

36-Kr-82

Cross Section -99.31 To 1117. %

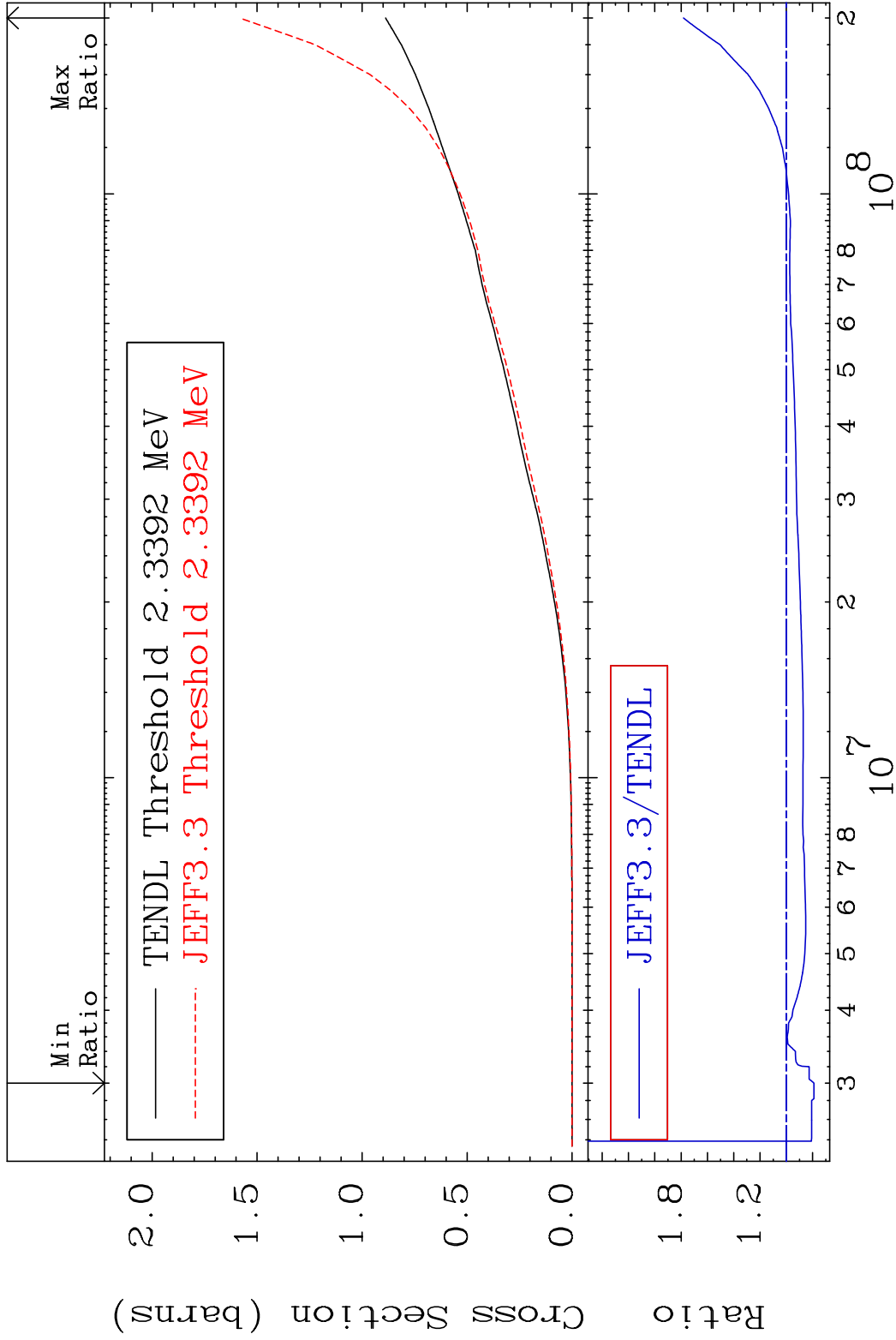


50

Incident Energy (eV)

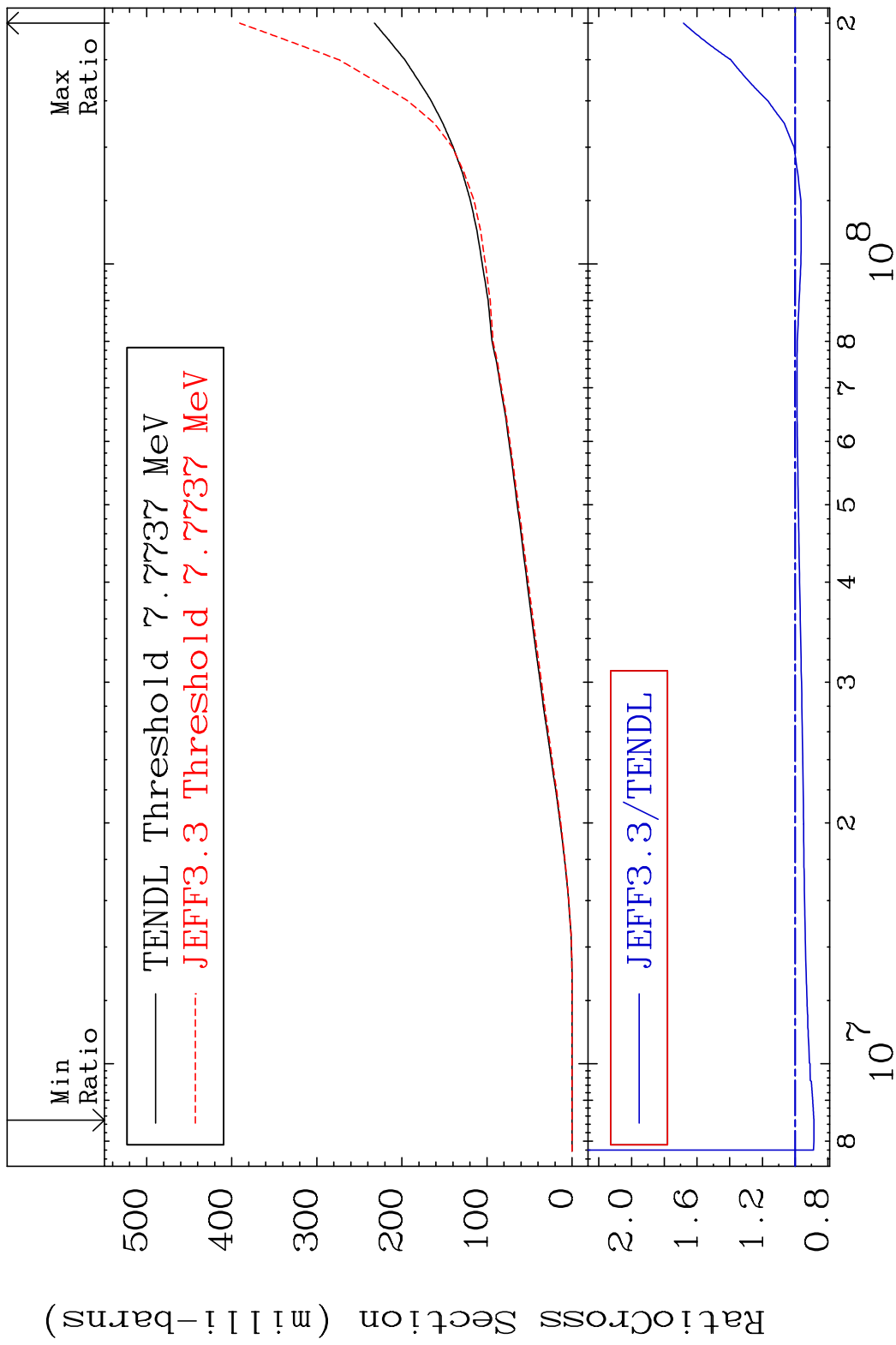
36-Kr-82

MAT 3637 Hydrogen Production 36-Kr-82
 Cross Section -20.95 To 78.20 %



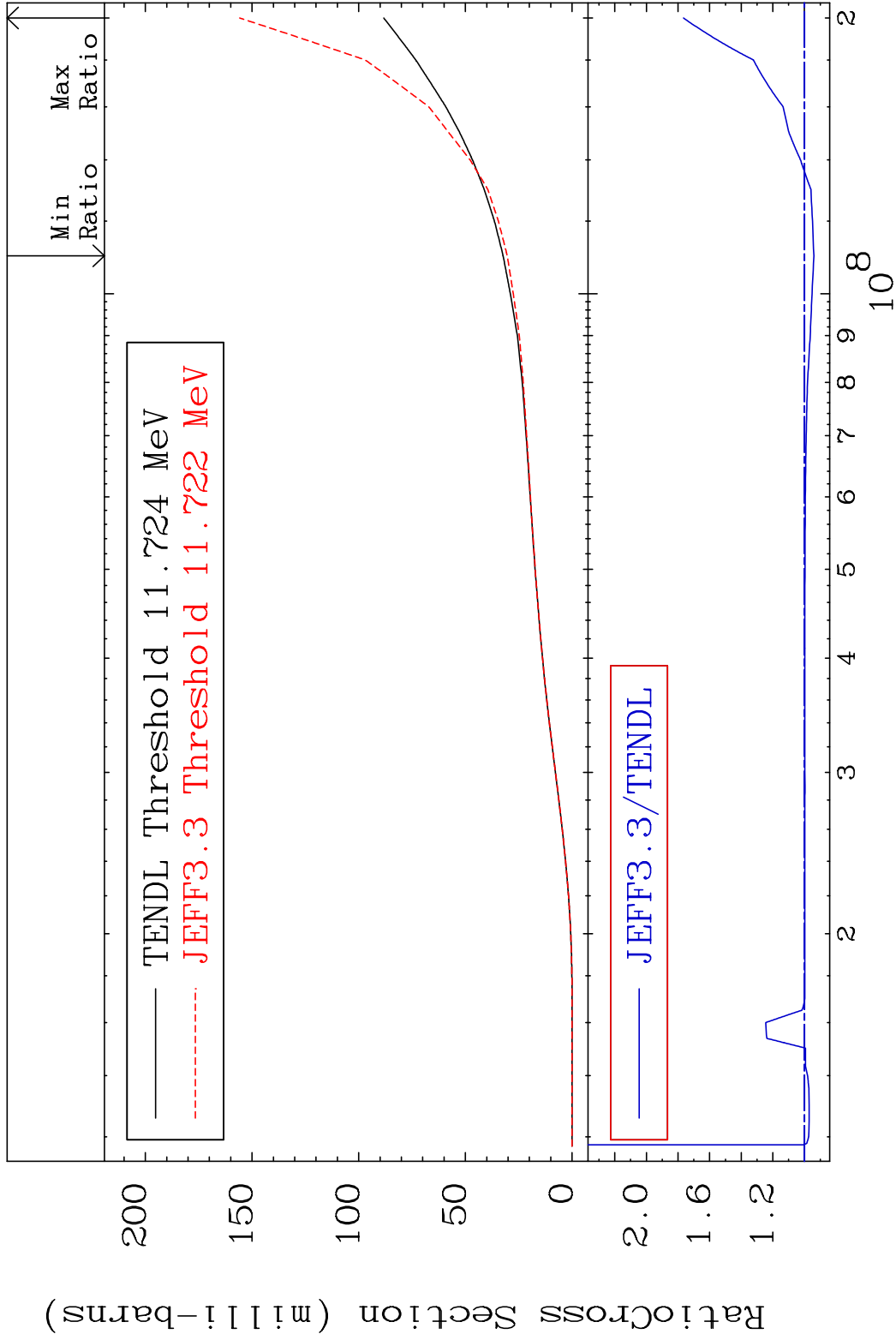
51 Incident Energy (eV) 36-Kr-82

MAT 3637 Deuterium Production 36-Kr-82
 Cross Section -11.46 To 68.27 %



52 36-Kr-82

MAT 3637 Tritium Production 36-Kr-82
 Cross Section -5.970 To 76.55 %



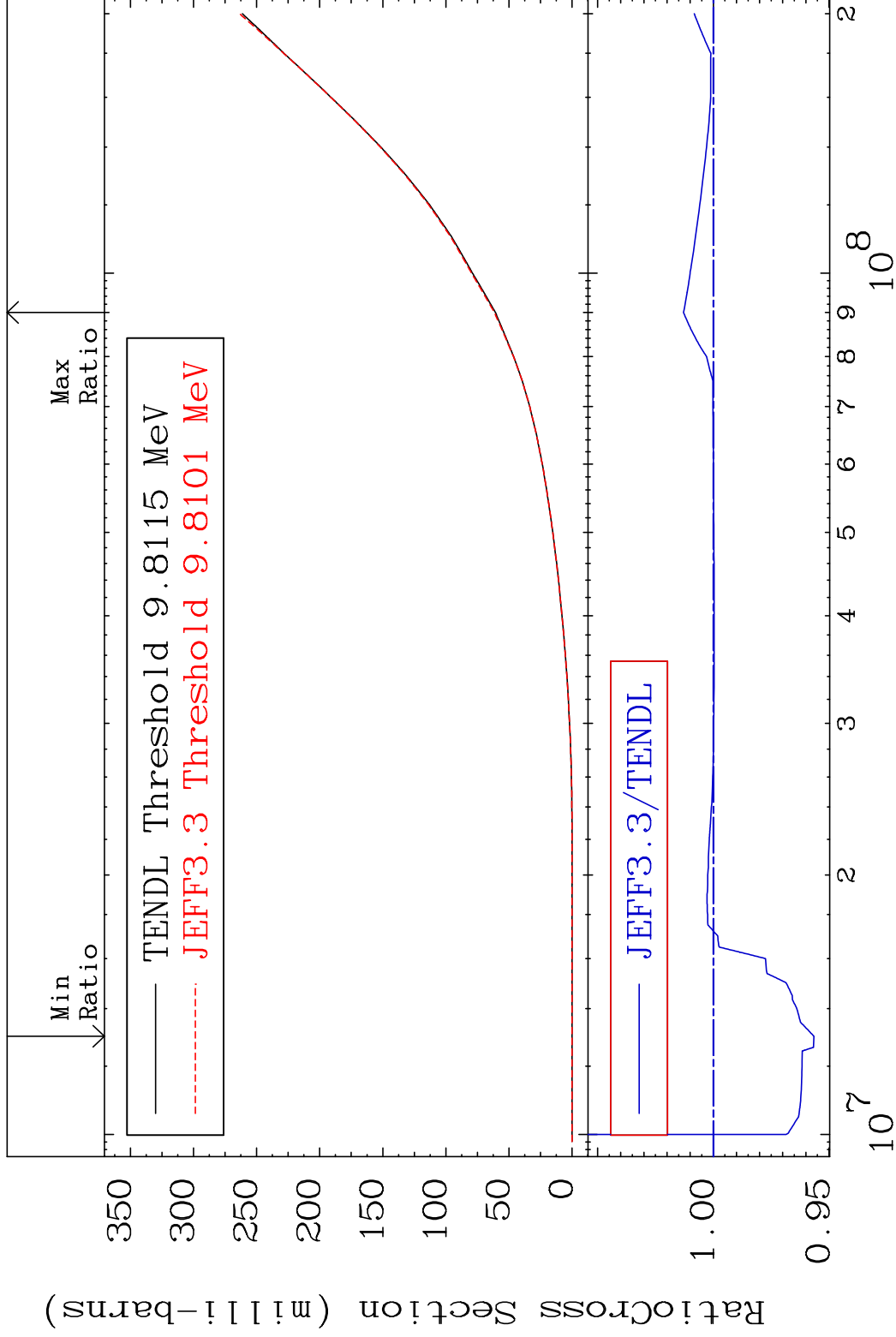
53 Incident Energy (eV) 36-Kr-82

MAT 3637

He-3 Production

36-Kr-82

Cross Section -4.346 To 1.291 %



54

Incident Energy (eV)

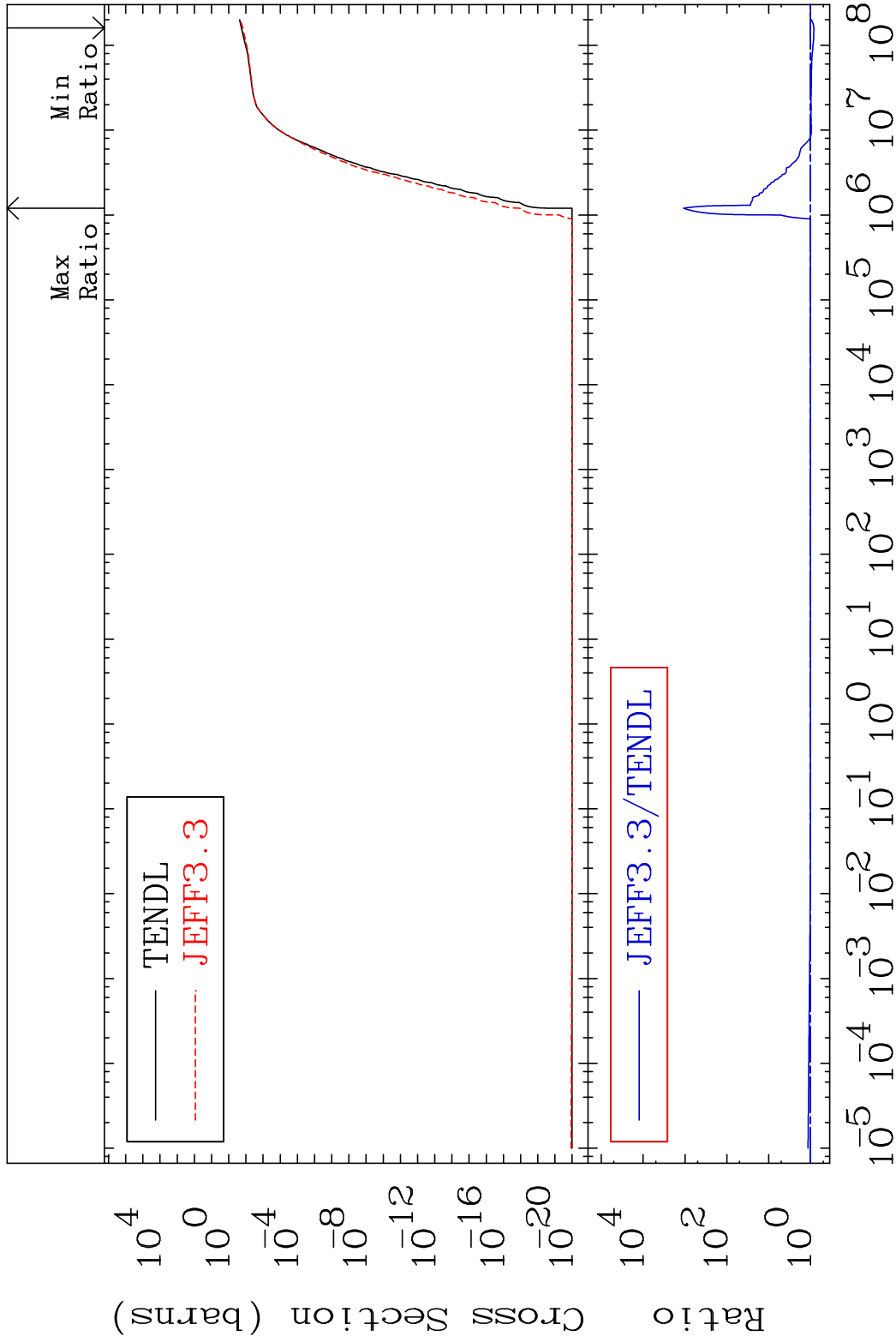
36-Kr-82

MAT 3637

He-4 Production

36-Kr-82

Cross Section -16.48 To 9999. %

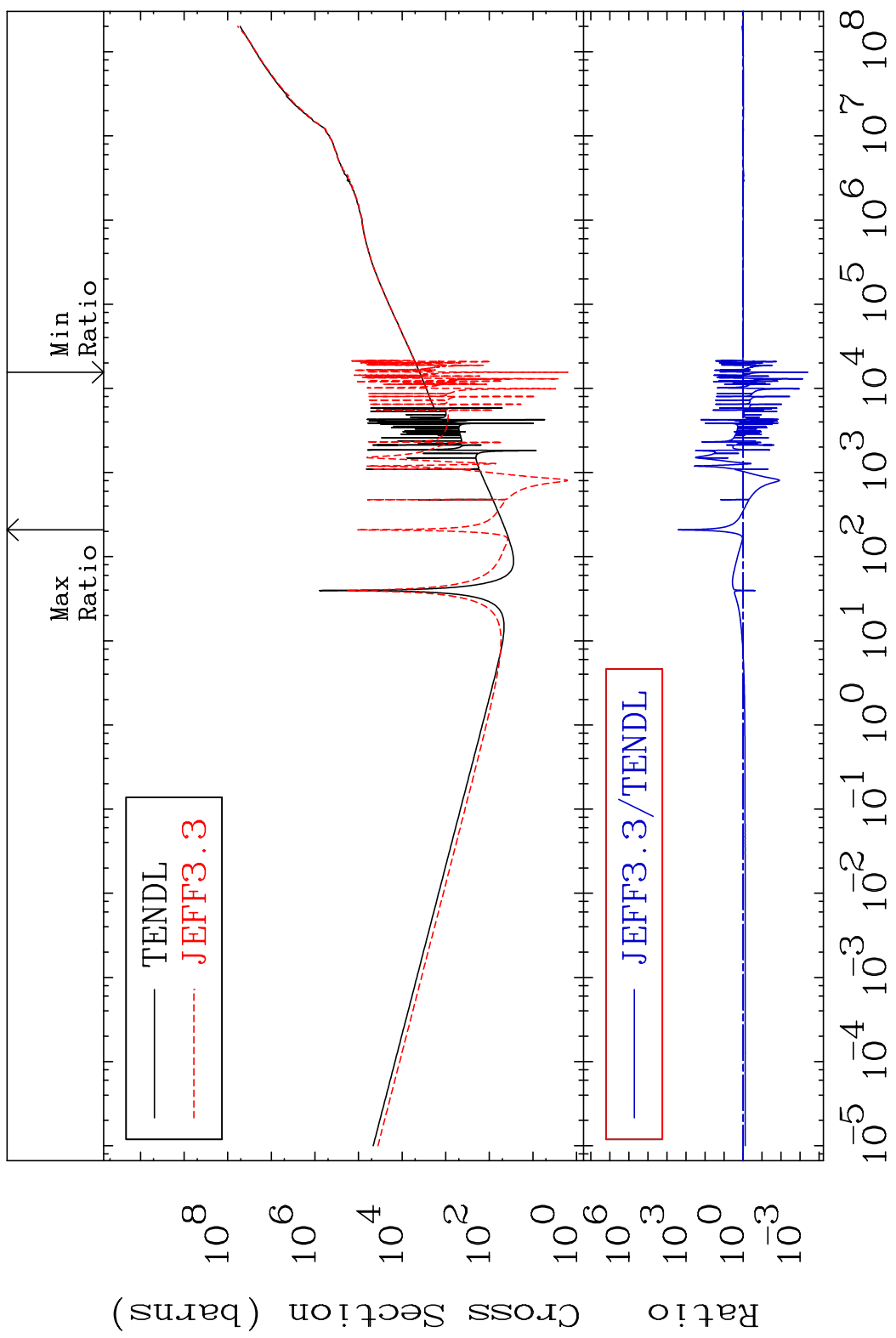


55

Incident Energy (eV)

36-Kr-82

MAT 3637 Kerma total (eV-barns) 36-Kr-82
 Cross Section -99.96 To 9999. %



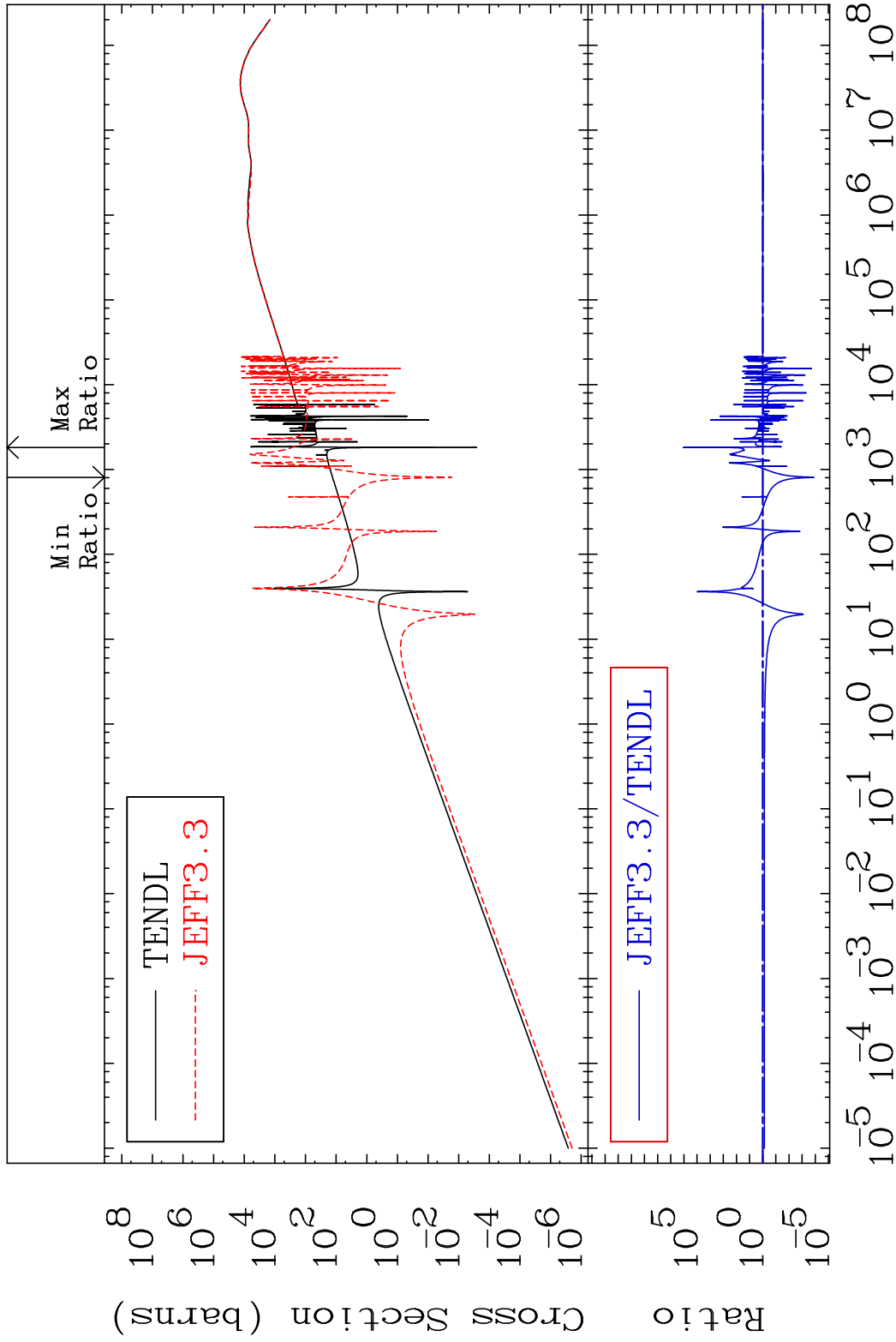
56 Incident Energy (eV) 36-Kr-82

MAT 3637

Kerma elastic

36-Kr-82

Cross Section -99.99 To 9999. %

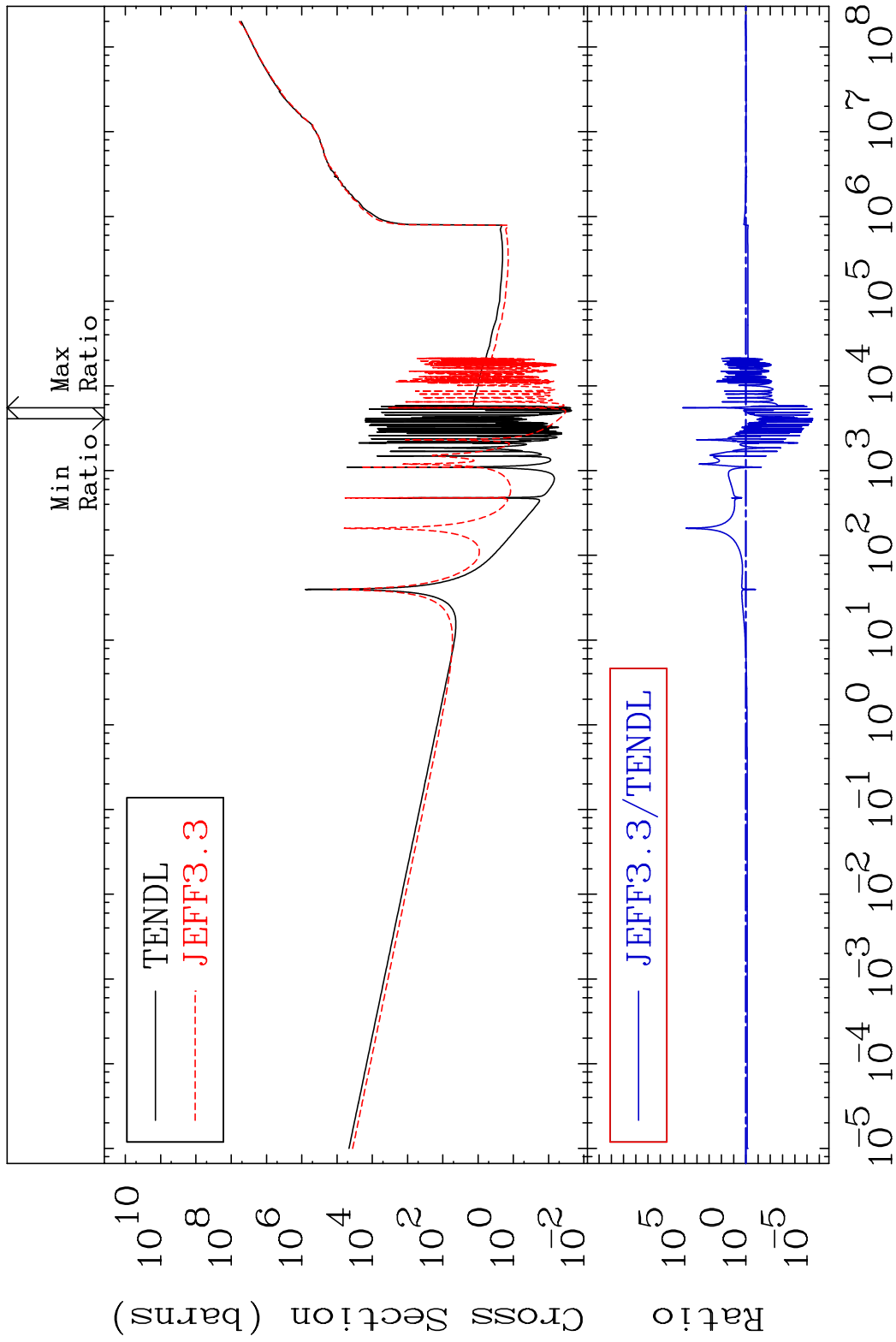


57

Incident Energy (eV)

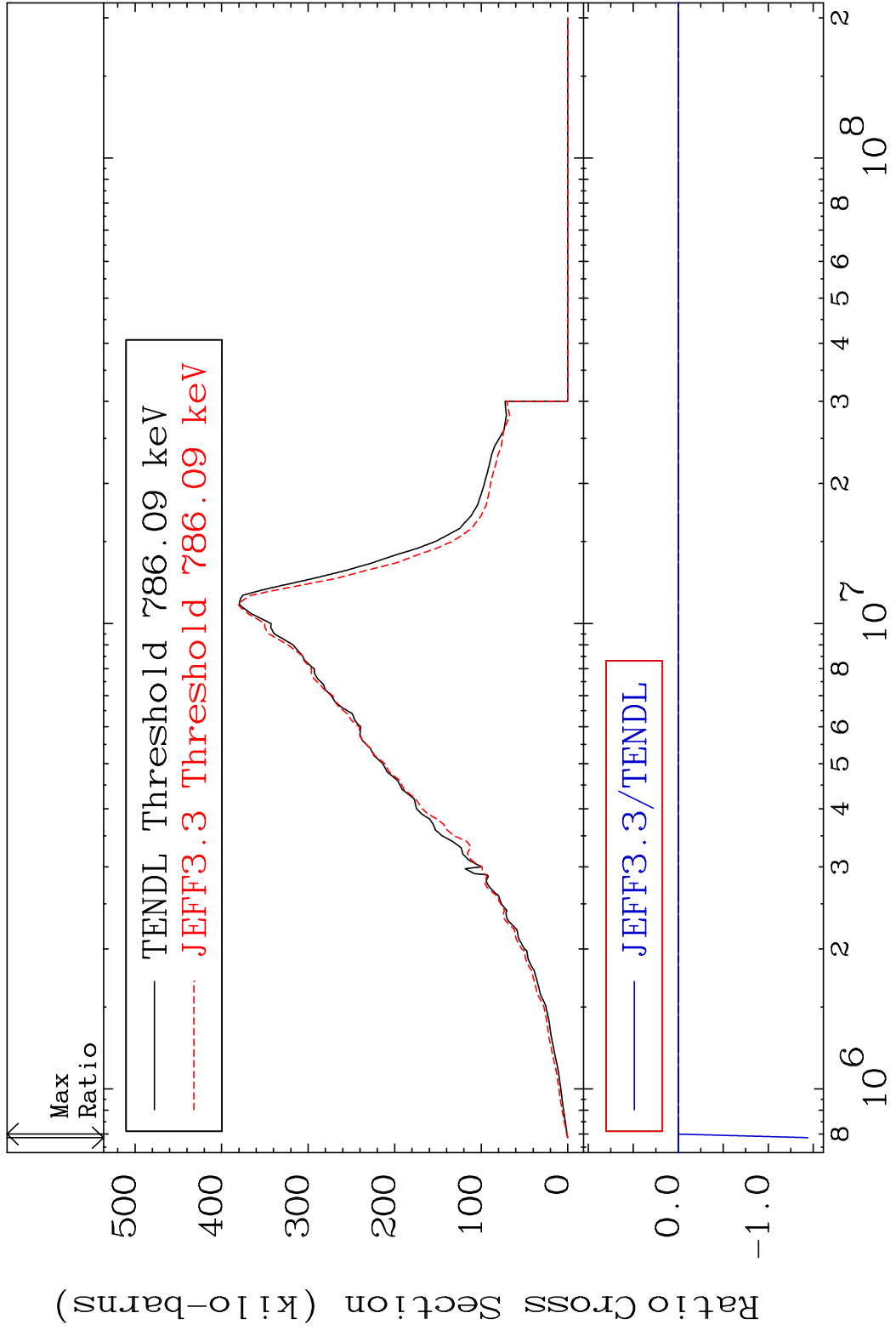
36-Kr-82

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



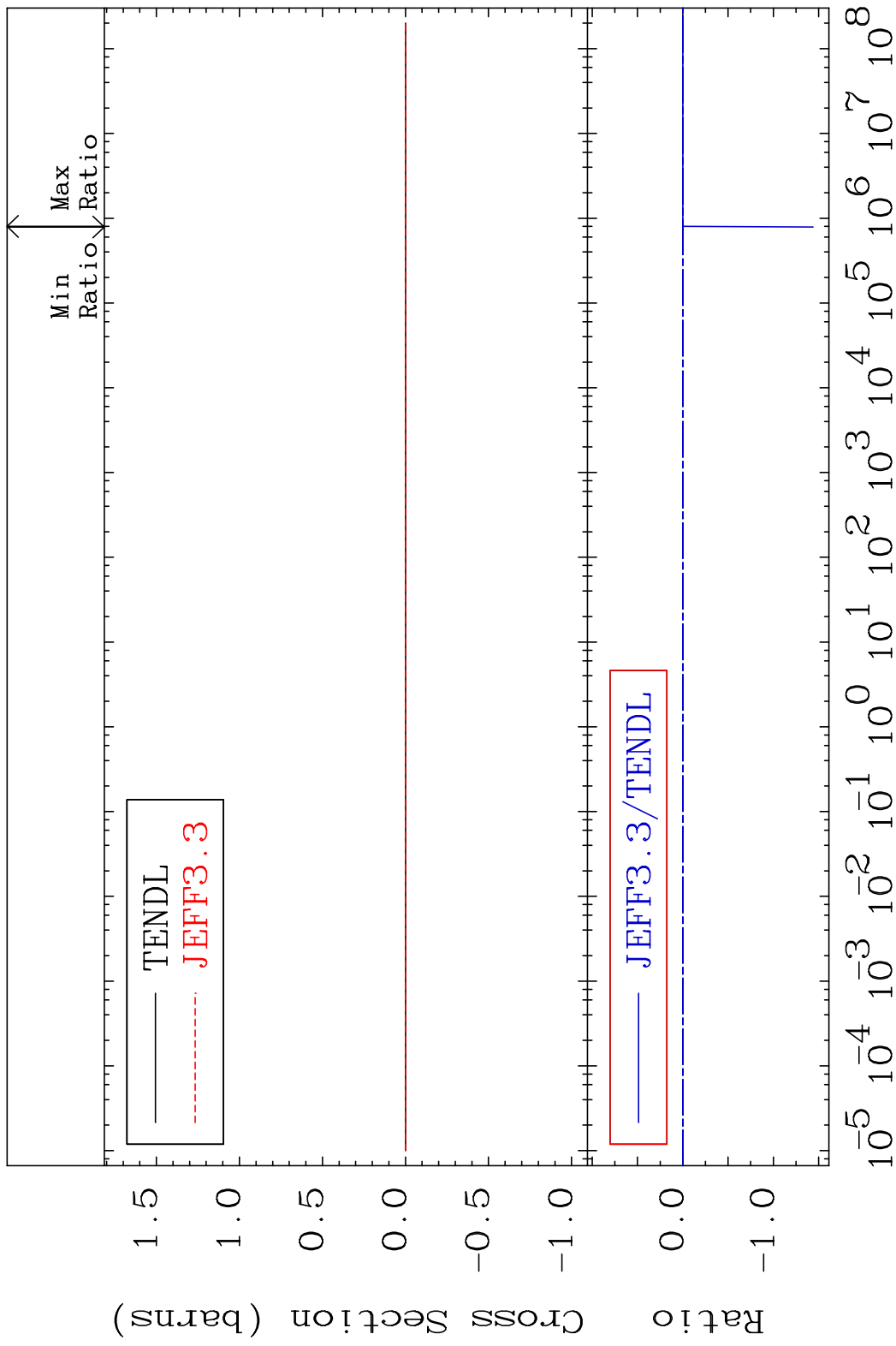
58 Incident Energy (eV) 36-Kr-82

MAT 3637 Kerma inelastic (mt51-91) 36-Kr-82
Cross Section -9999. To 47.53 %



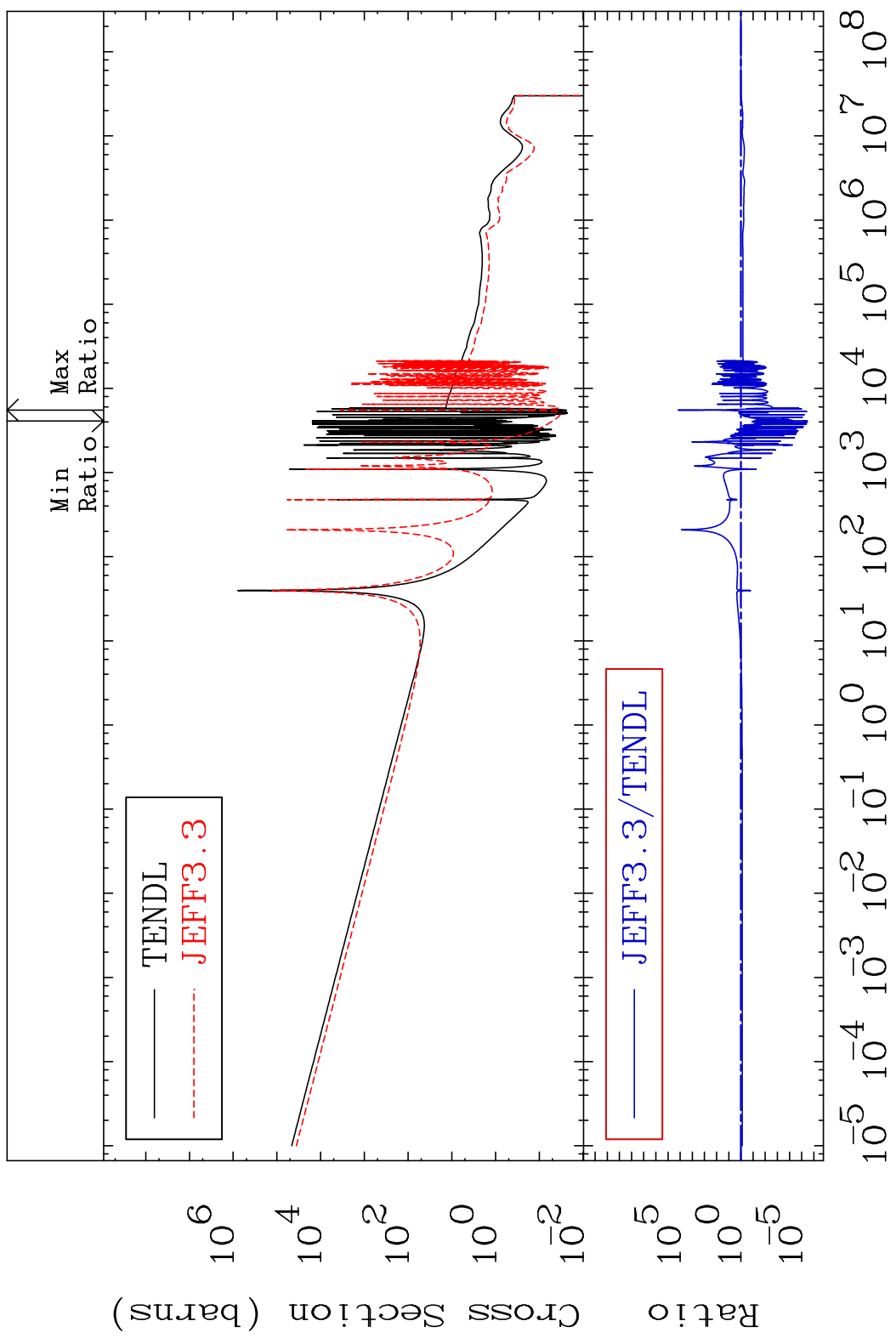
59 Incident Energy (eV) 36-Kr-82

MAT 3637 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-82
 Cross Section -9999. To 47.53 %



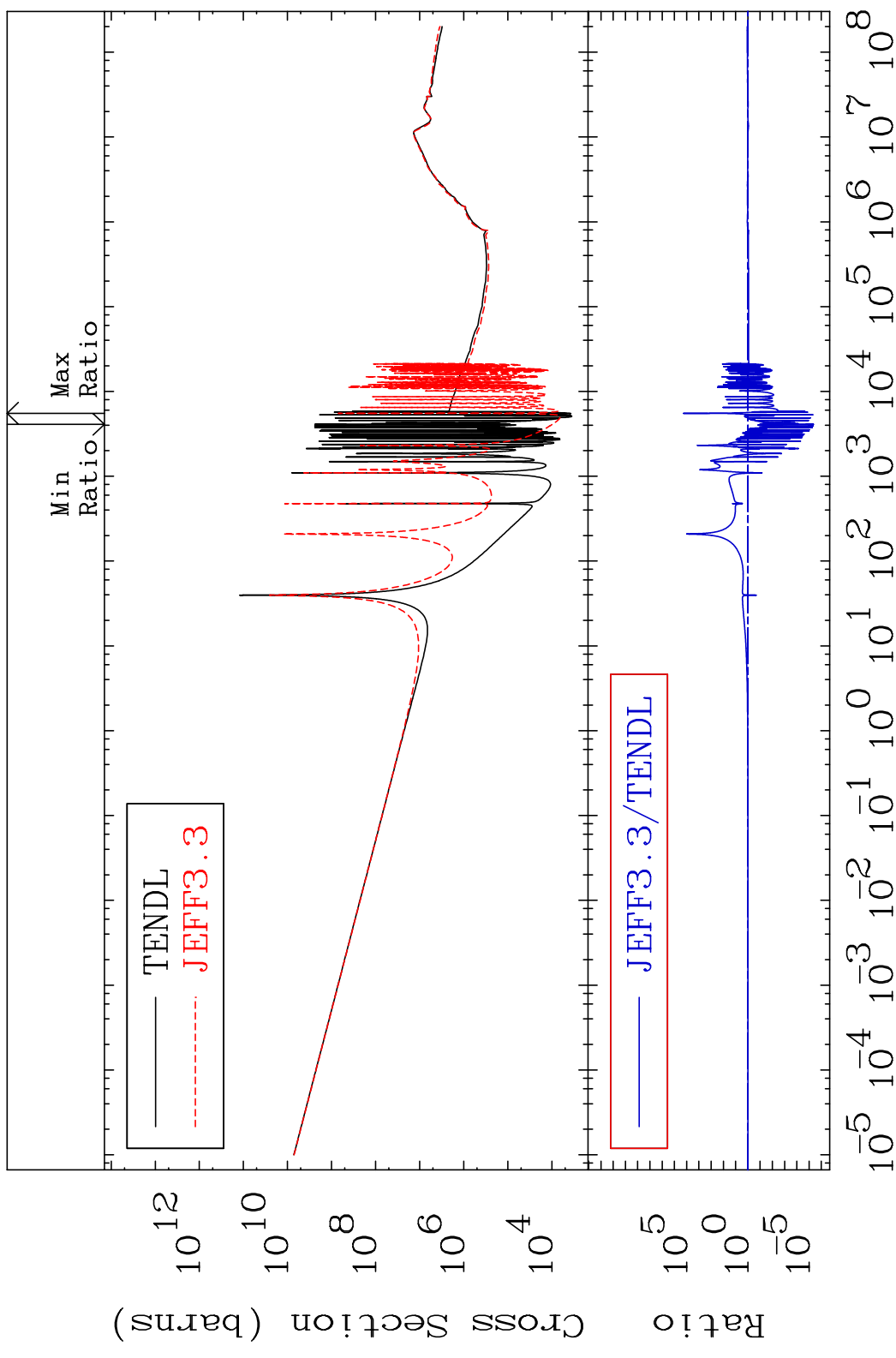
60 Incident Energy (eV) 36-Kr-82

MAT 3637 Kerma capture (mt102) 36-Kr-82
 Cross Section -100.0 To 9999. %



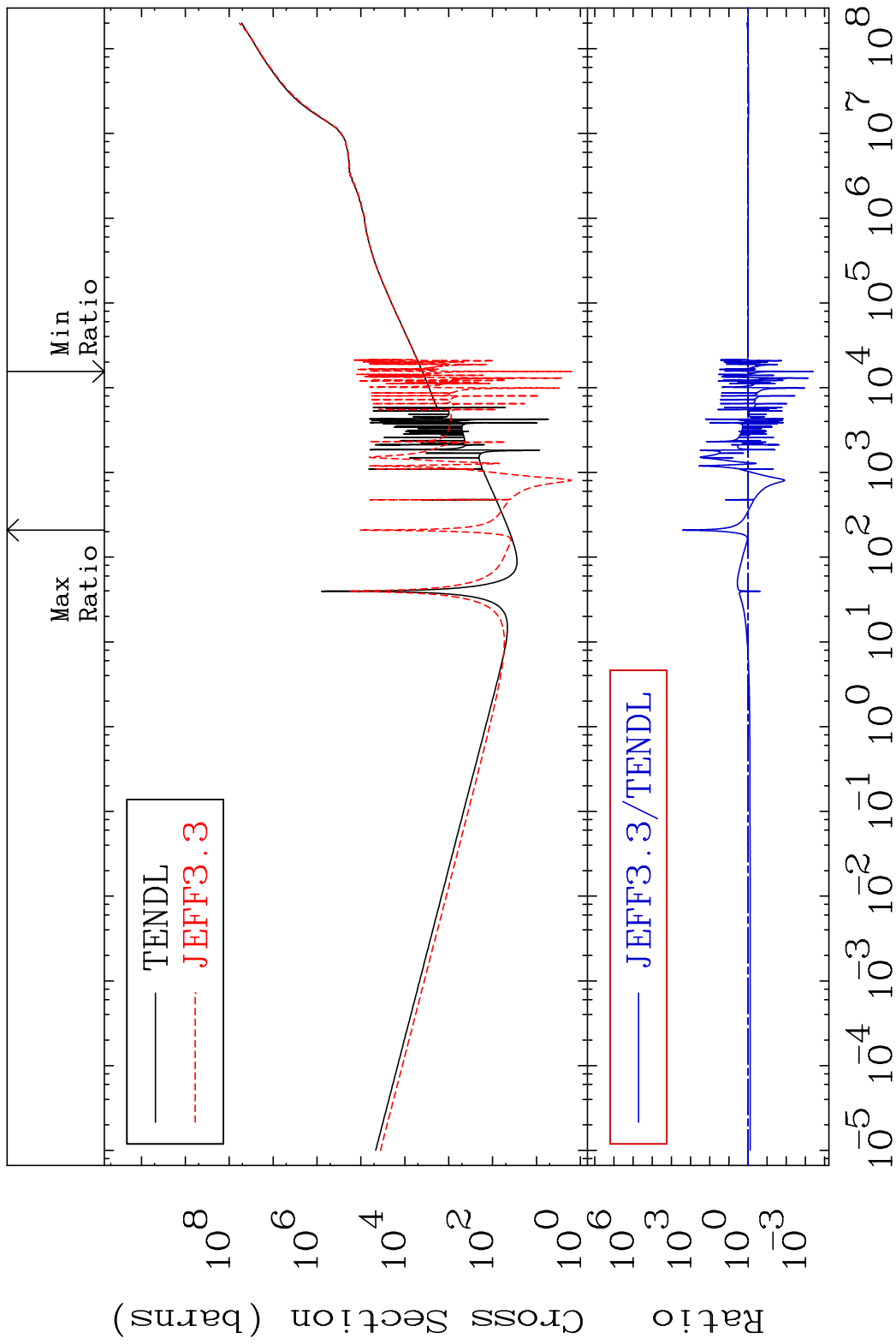
61 Incident Energy (eV) 36-Kr-82

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



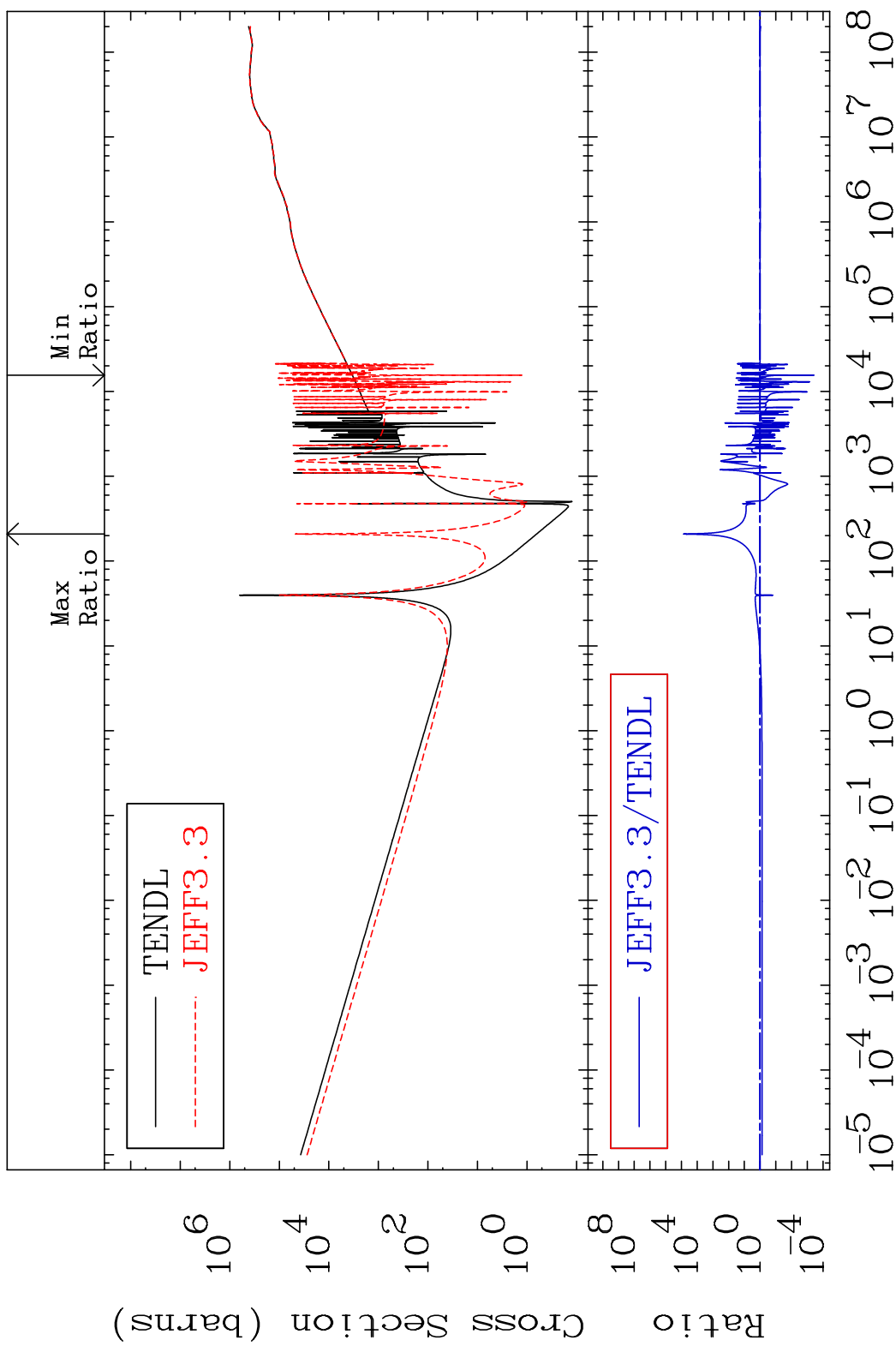
62 Incident Energy (eV) 36-Kr-82

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

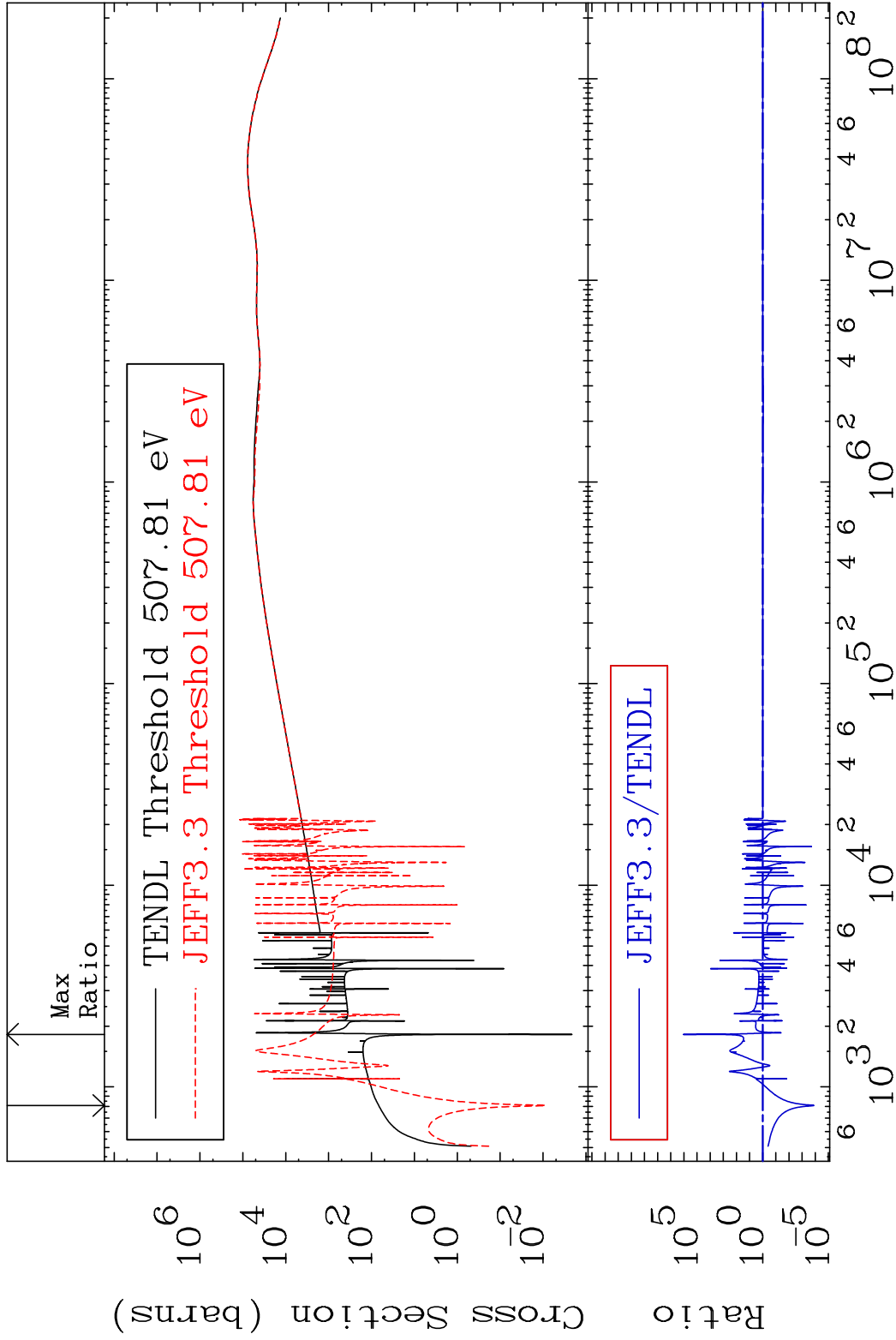


63 Incident Energy (eV) 36-Kr-82

MAT 3637 Dpa total (eV-barns) 36-Kr-82
 Cross Section -99.96 To 9999. %

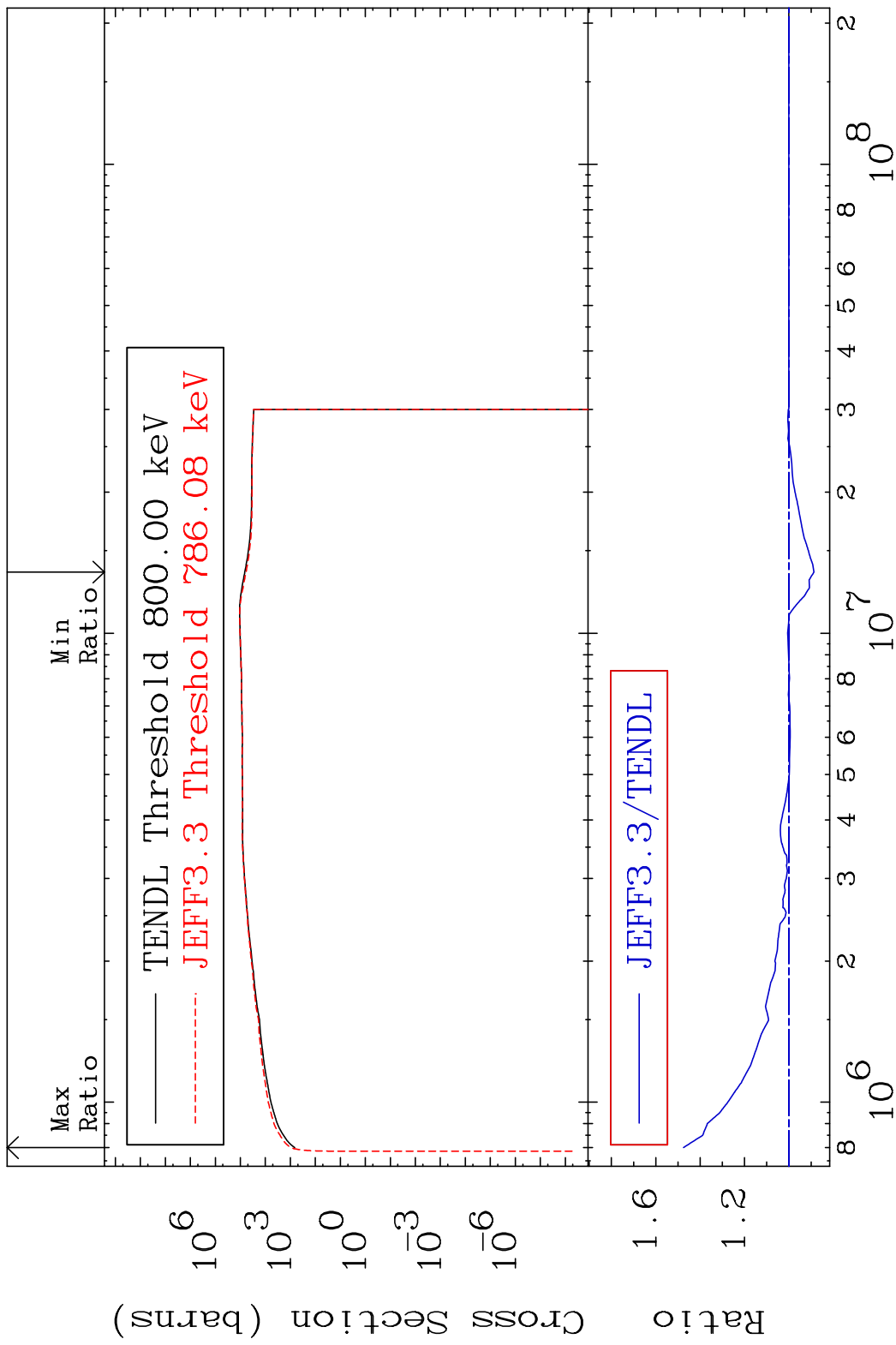


MAT 3637 Dpa elastic (mt2) 36-Kr-82
 Cross Section -99.99 To 9999. %



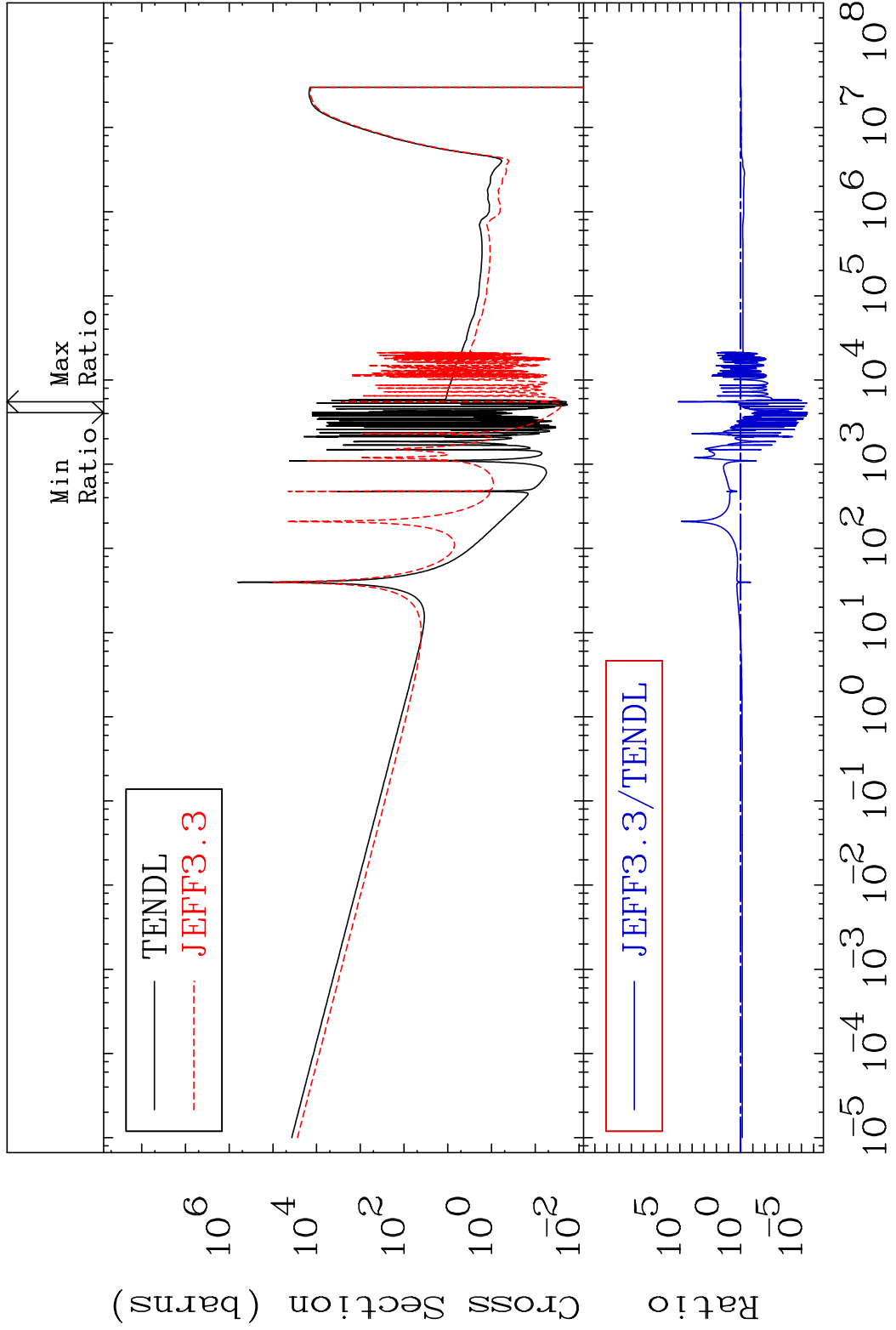
65 Incident Energy (eV) 36-Kr-82

MAT 3637 Dpa inelastic (mt51-91) 36-Kr-82
 Cross Section -11.25 To 47.53 %

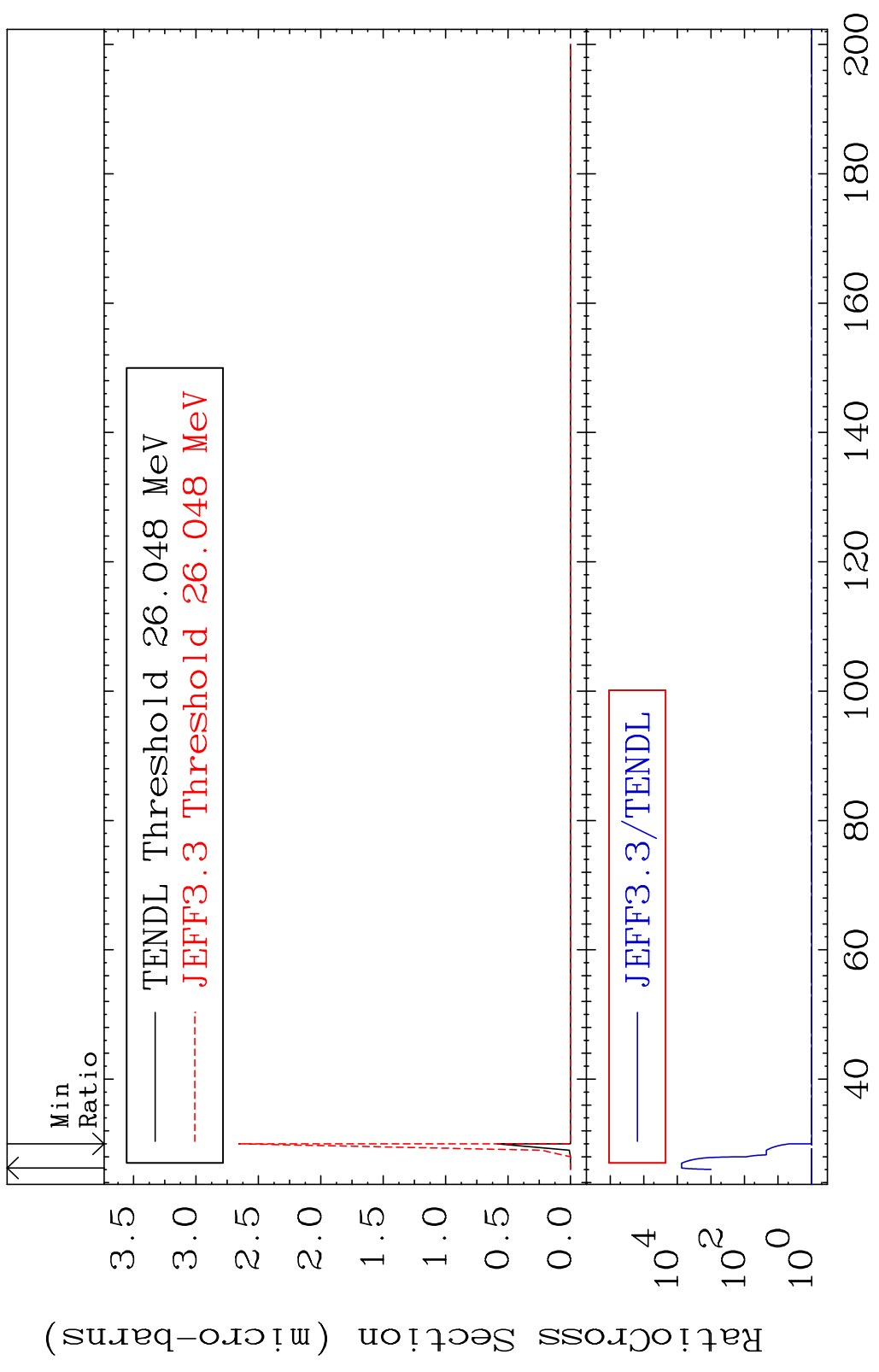


66 Incident Energy (eV) 36-Kr-82

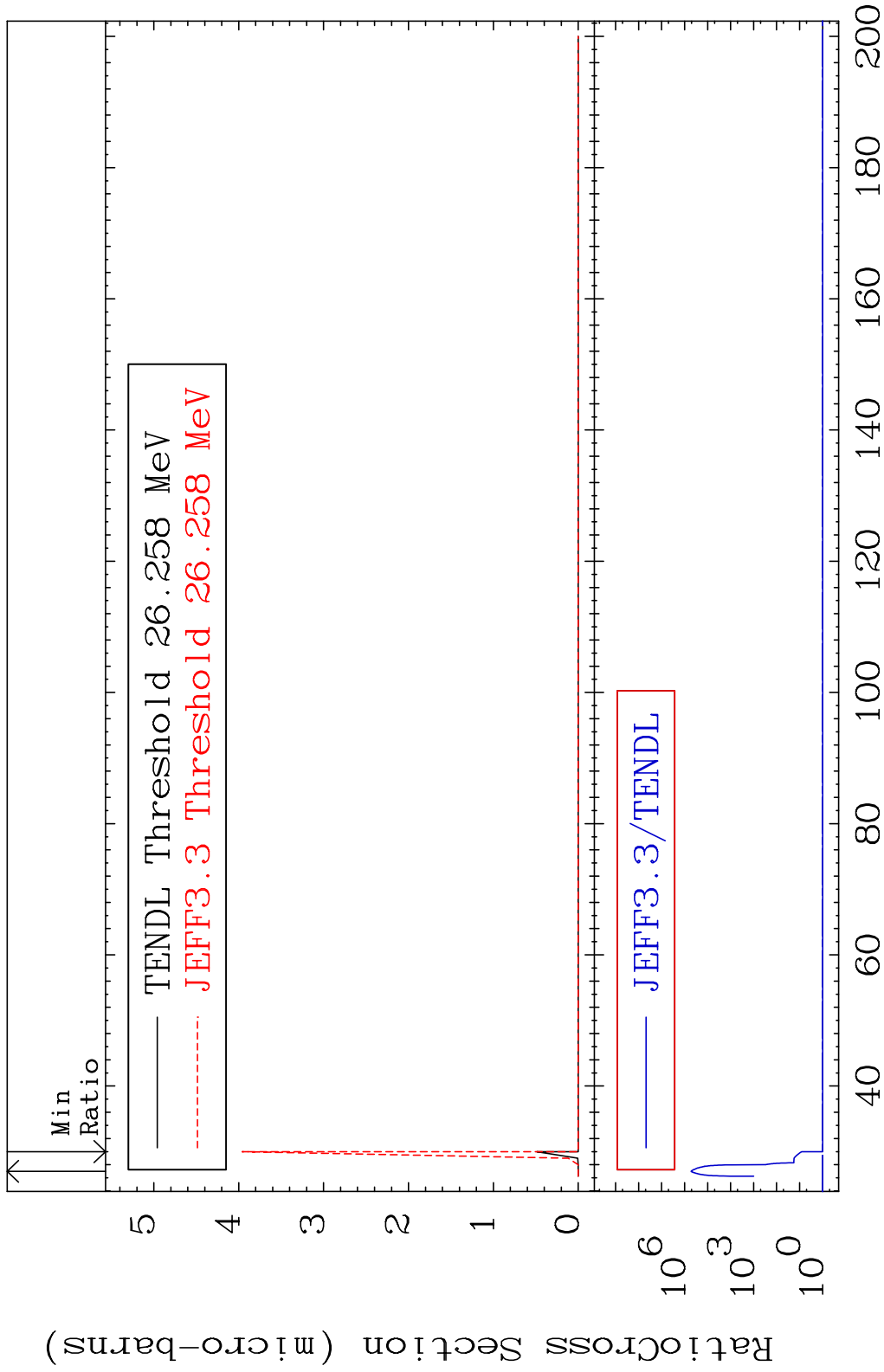
MAT 3637 Dpa disappearance (mt102 -120) 36-Kr-82
 Cross Section -100.0 To 9999. %



67 Incident Energy (eV) 36-Kr-82

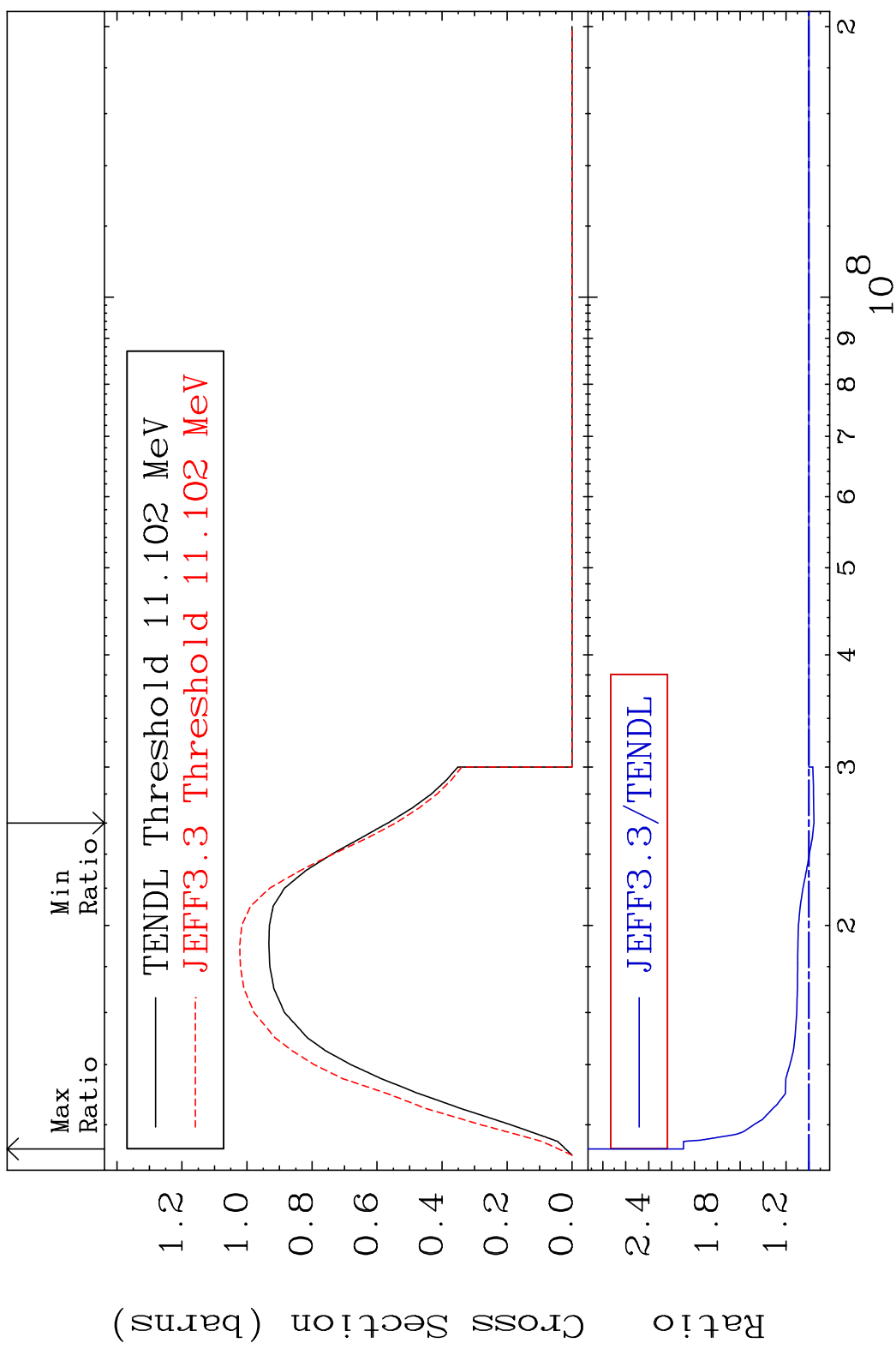


MAT 3637 (n,2n) d:35-Br-79m1 36-Kr-82
 Radionuclide Production Cross Section 9999. %



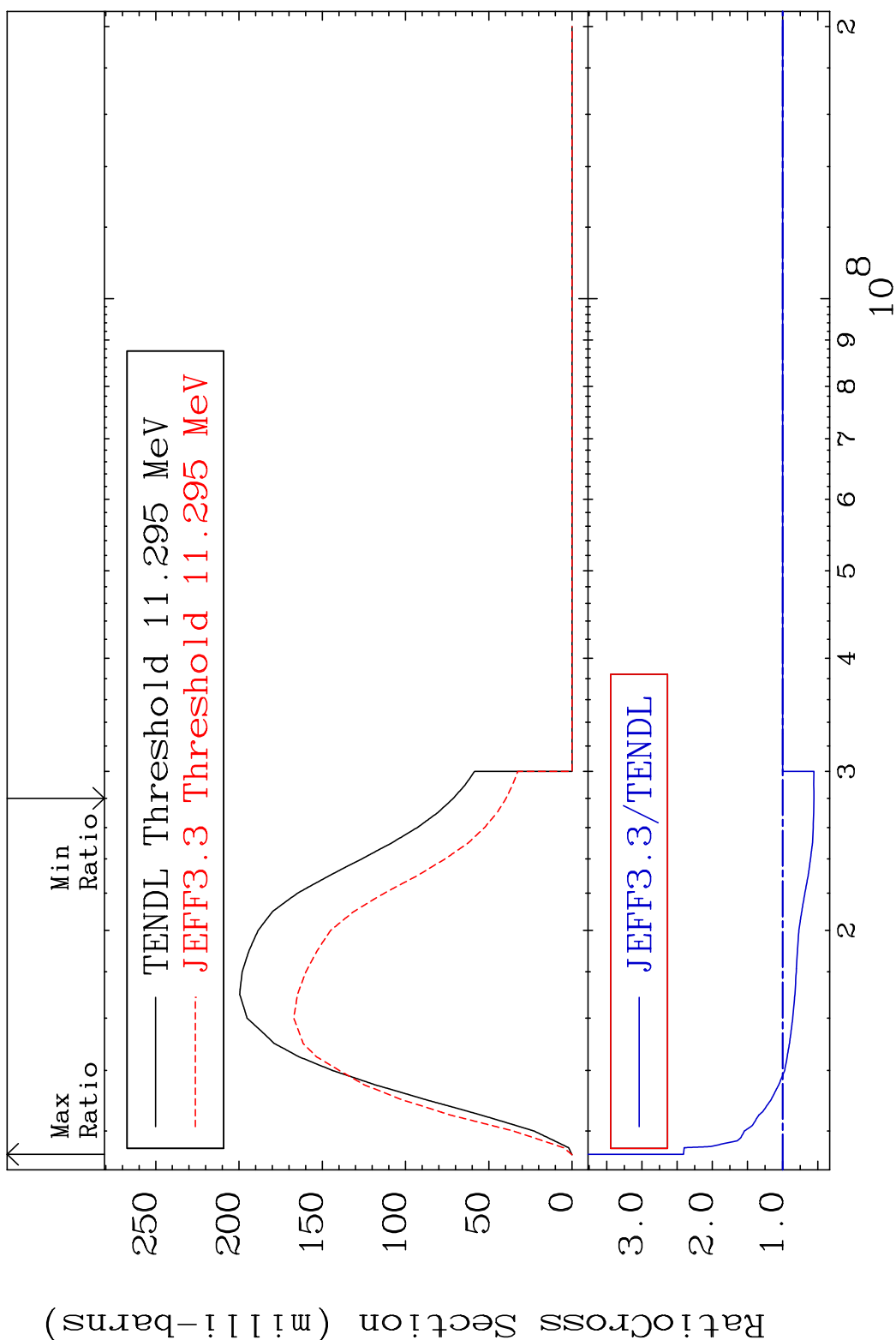
69 Incident Energy (MeV) 36-Kr-82

MAT 3637 (n,2n):36-Kr-81g 36-Kr-82
 Radionuclide Production Cross Section 109.6 %

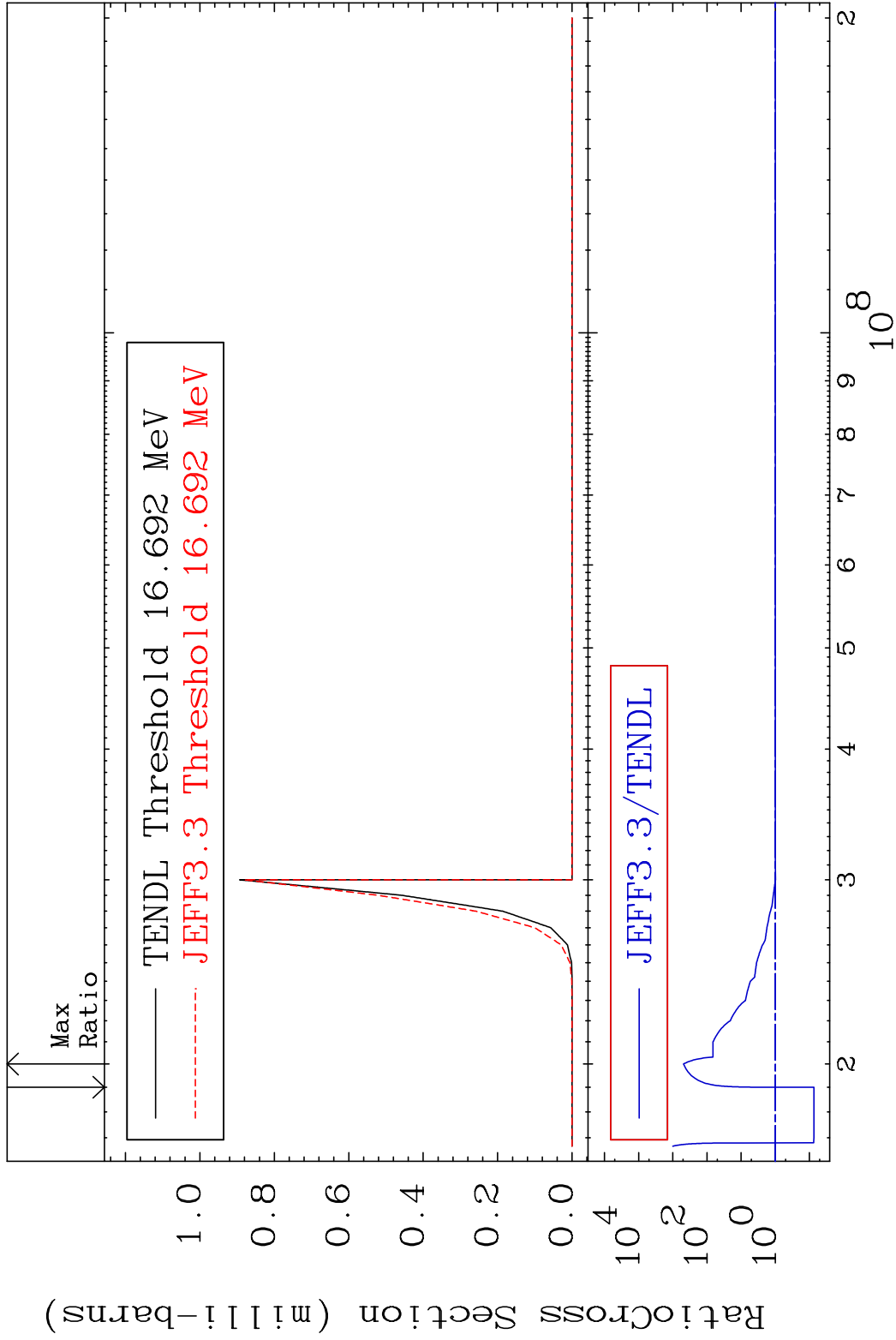


70 Incident Energy (eV) 36-Kr-82

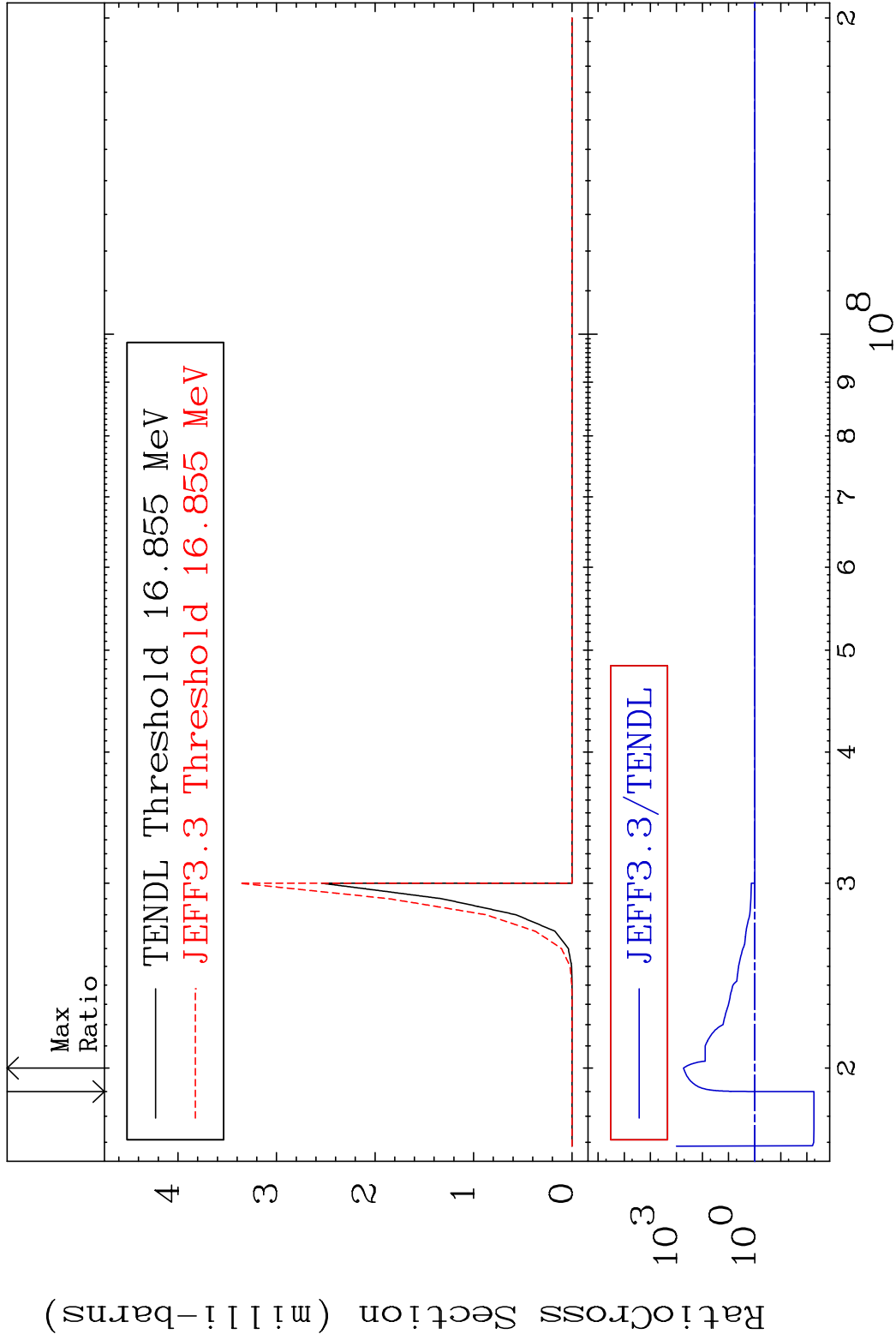
MAT 3637 (n,2n): 36-Kr-81m2 36-Kr-82
 Radionuclide Production Cross Section 141.0 %

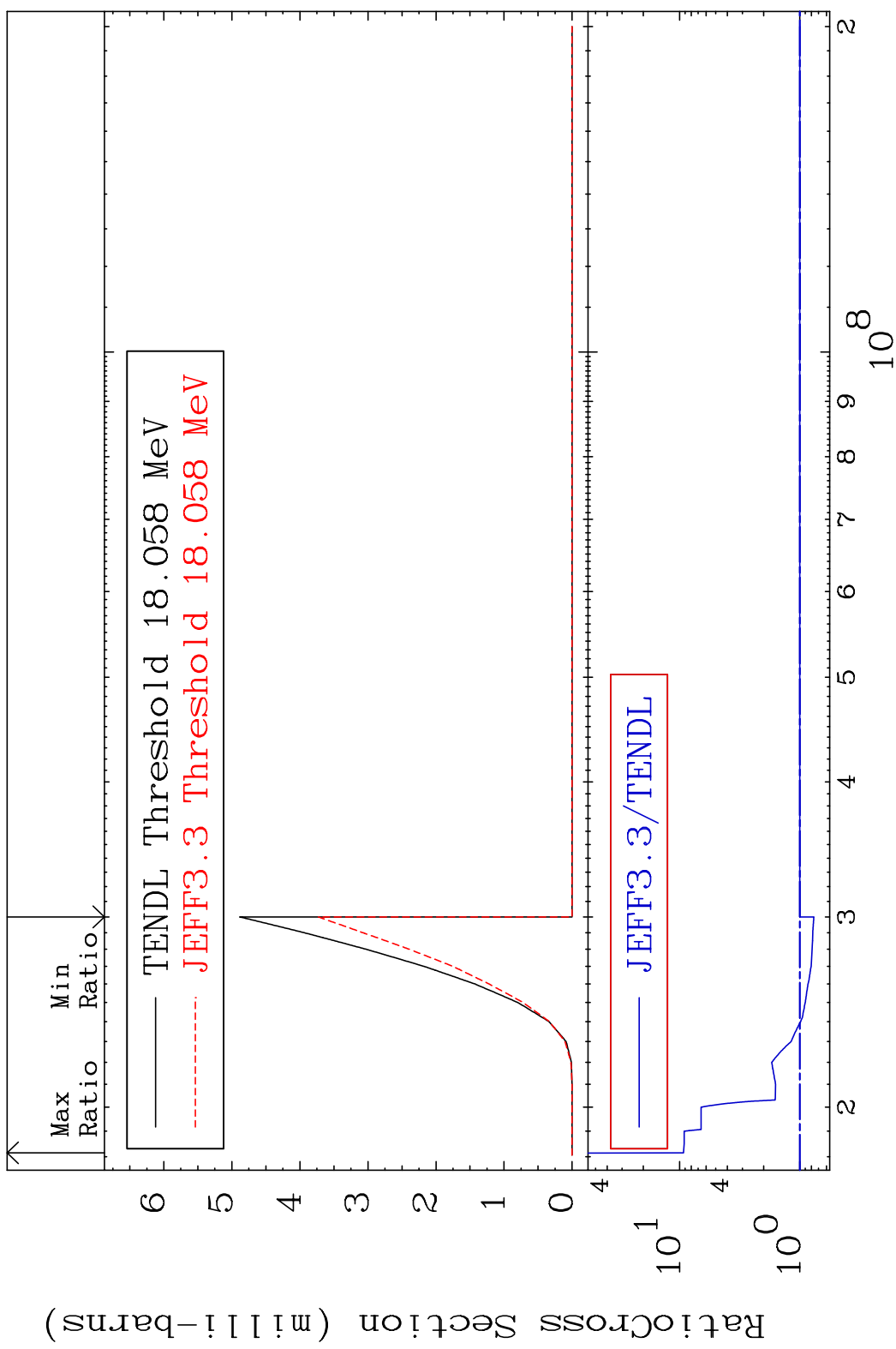


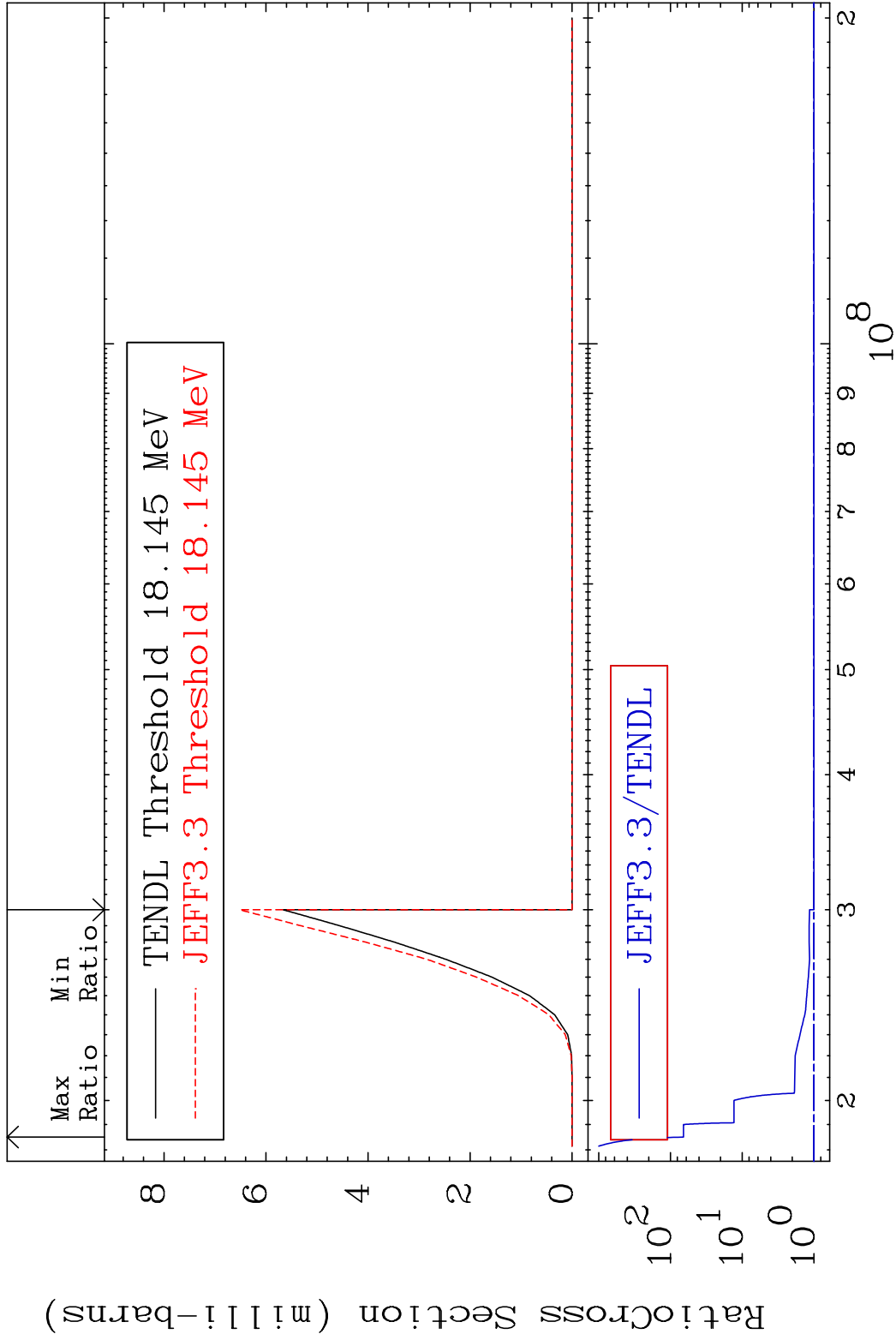
MAT 3637 (n,2n) α :34-Se-77g 36-Kr-82
 Radionuclide Production Cross Section 9999. %

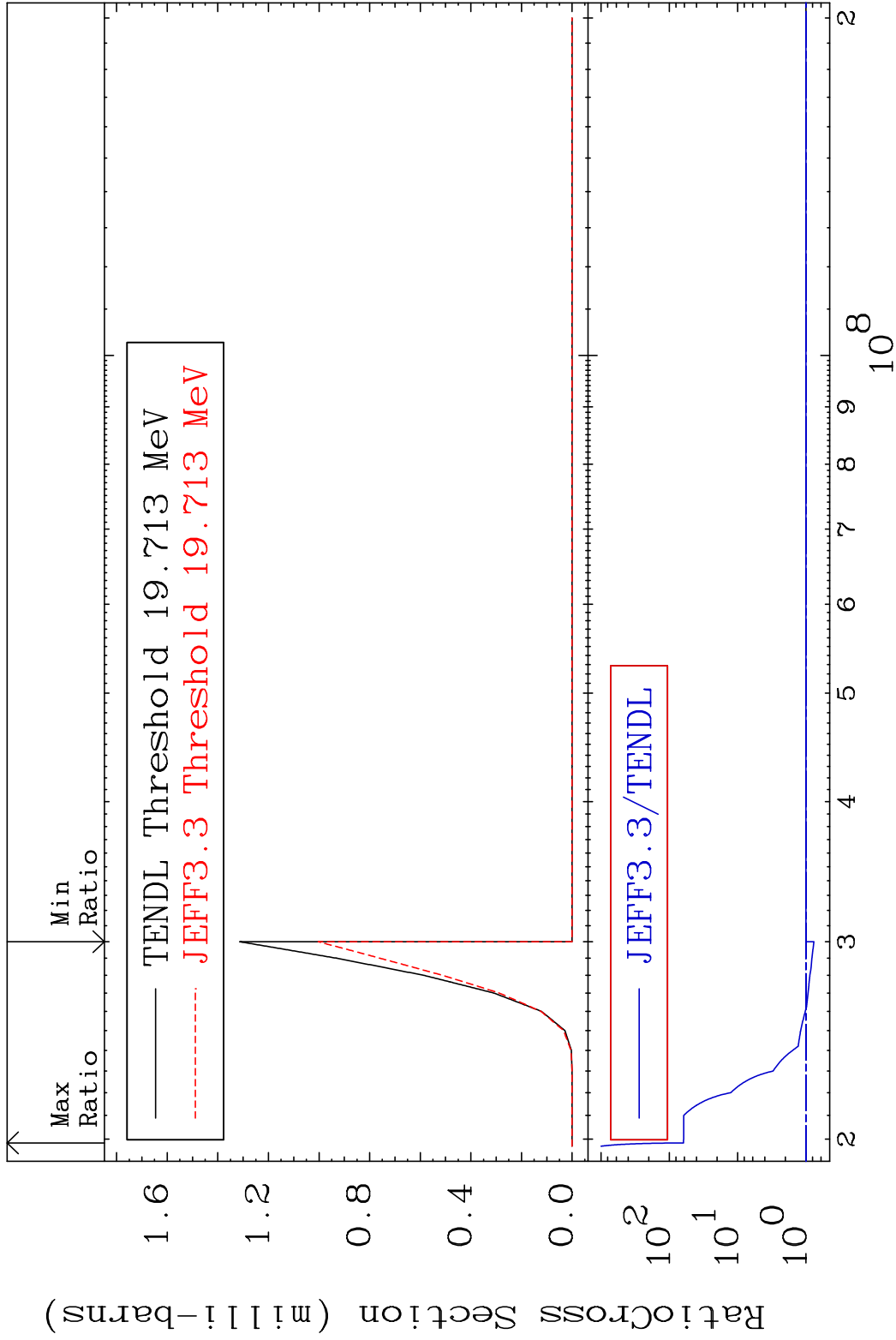


MAT 3637 (n,2n) α :34-Se-77m1 36-Kr-82
 Radionuclide Production Cross Section 9999. %

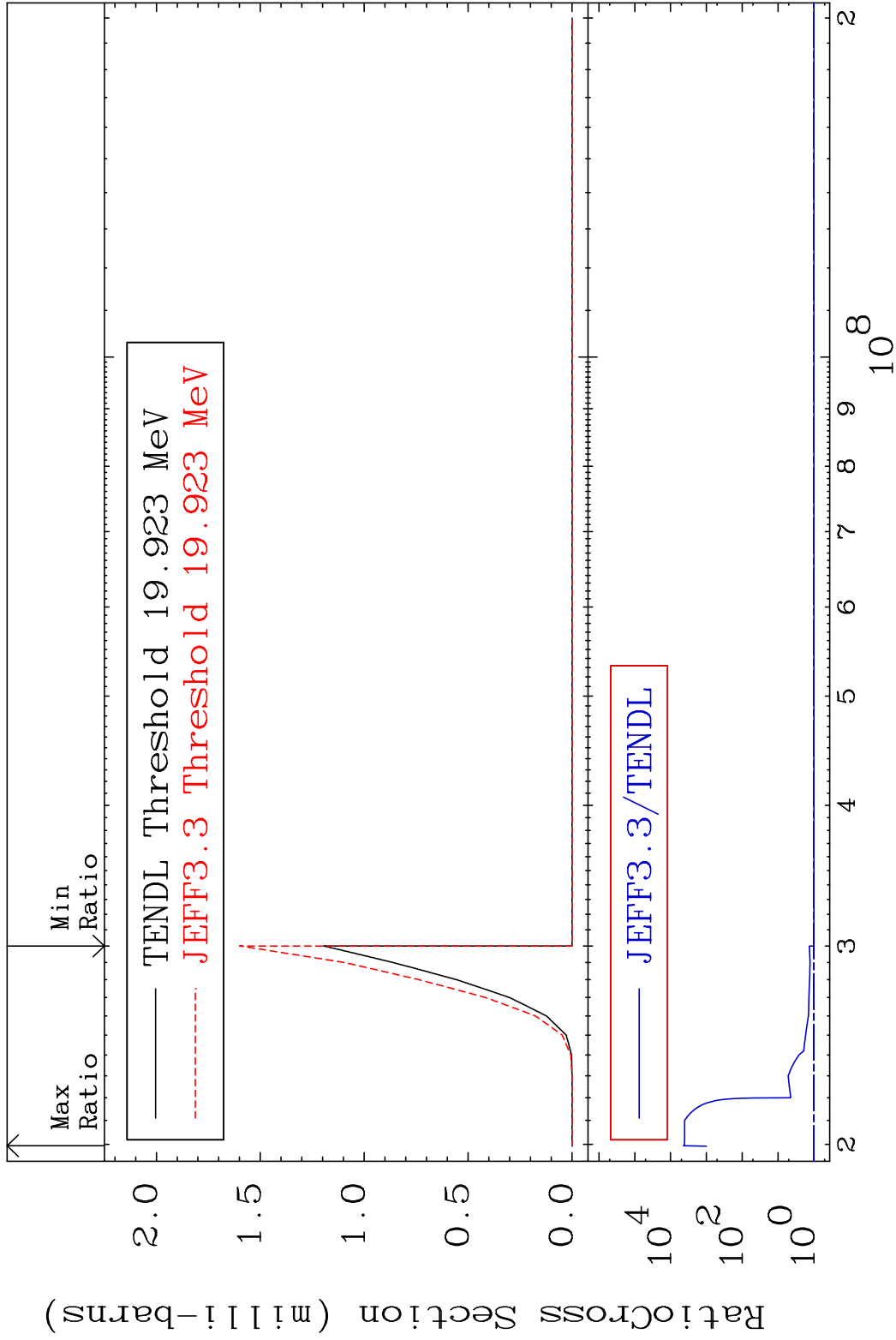


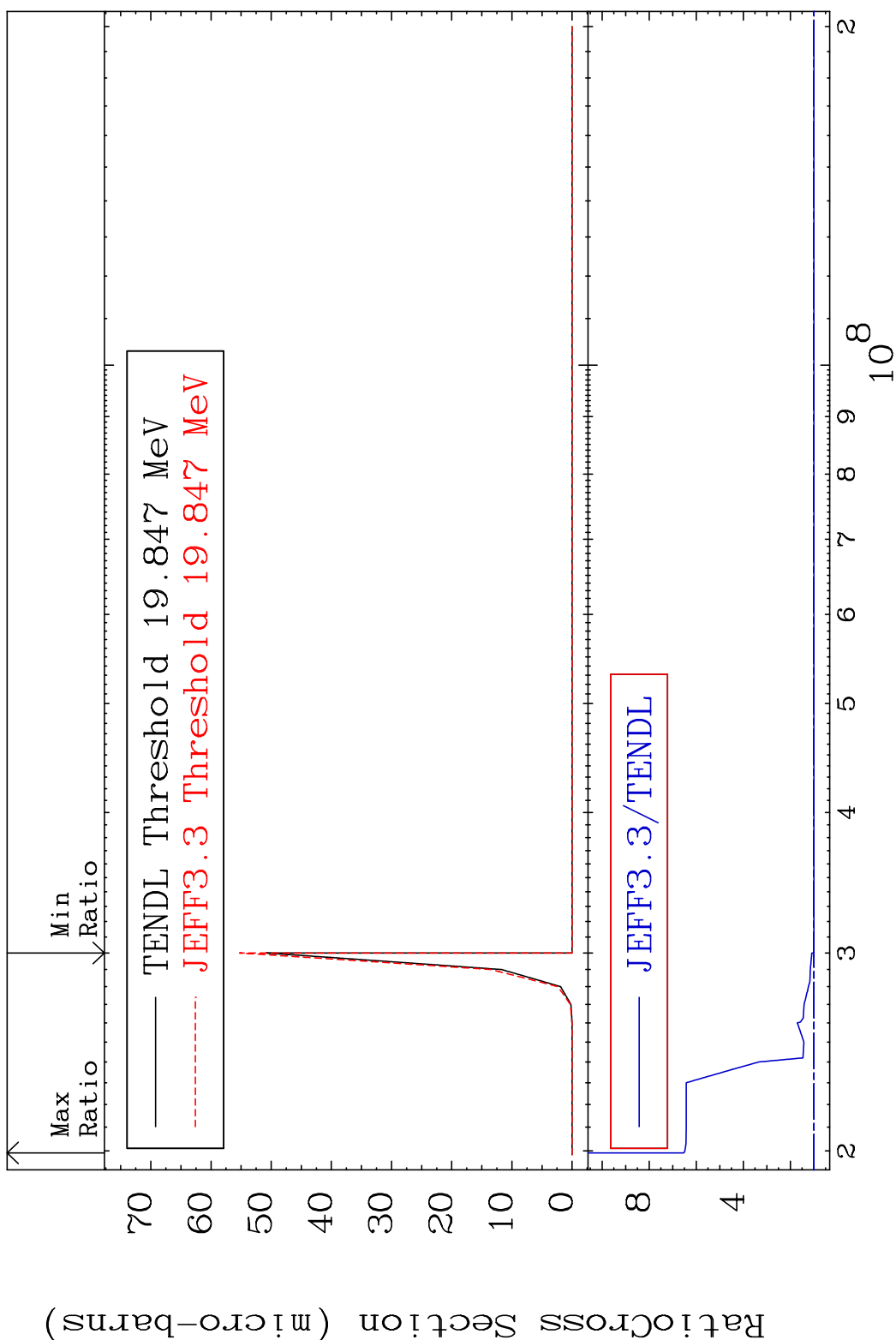




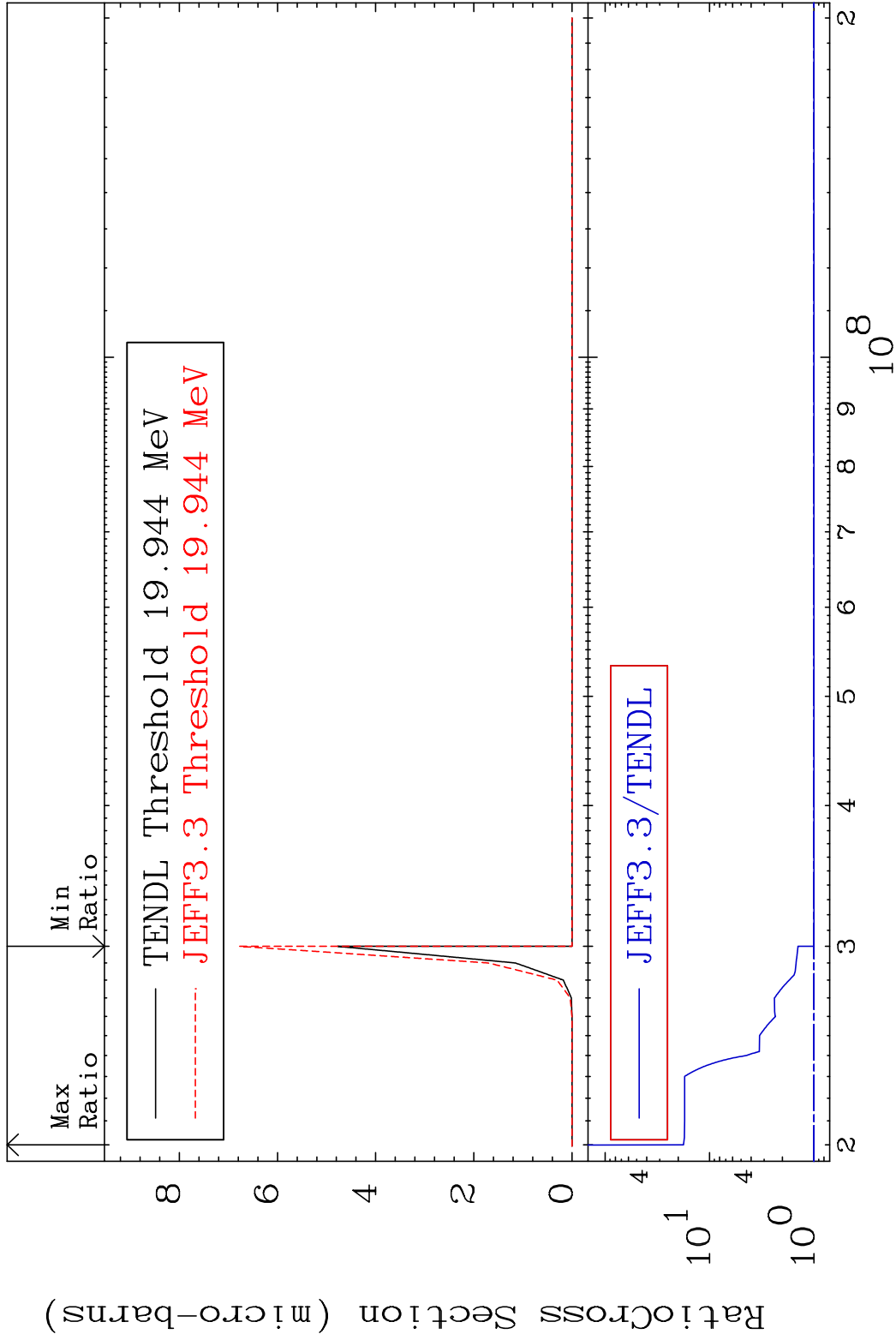


MAT 3637 (n, n') t:35-Br-79m1 36-Kr-82
 Radionuclide Production Cross Section 9999. %





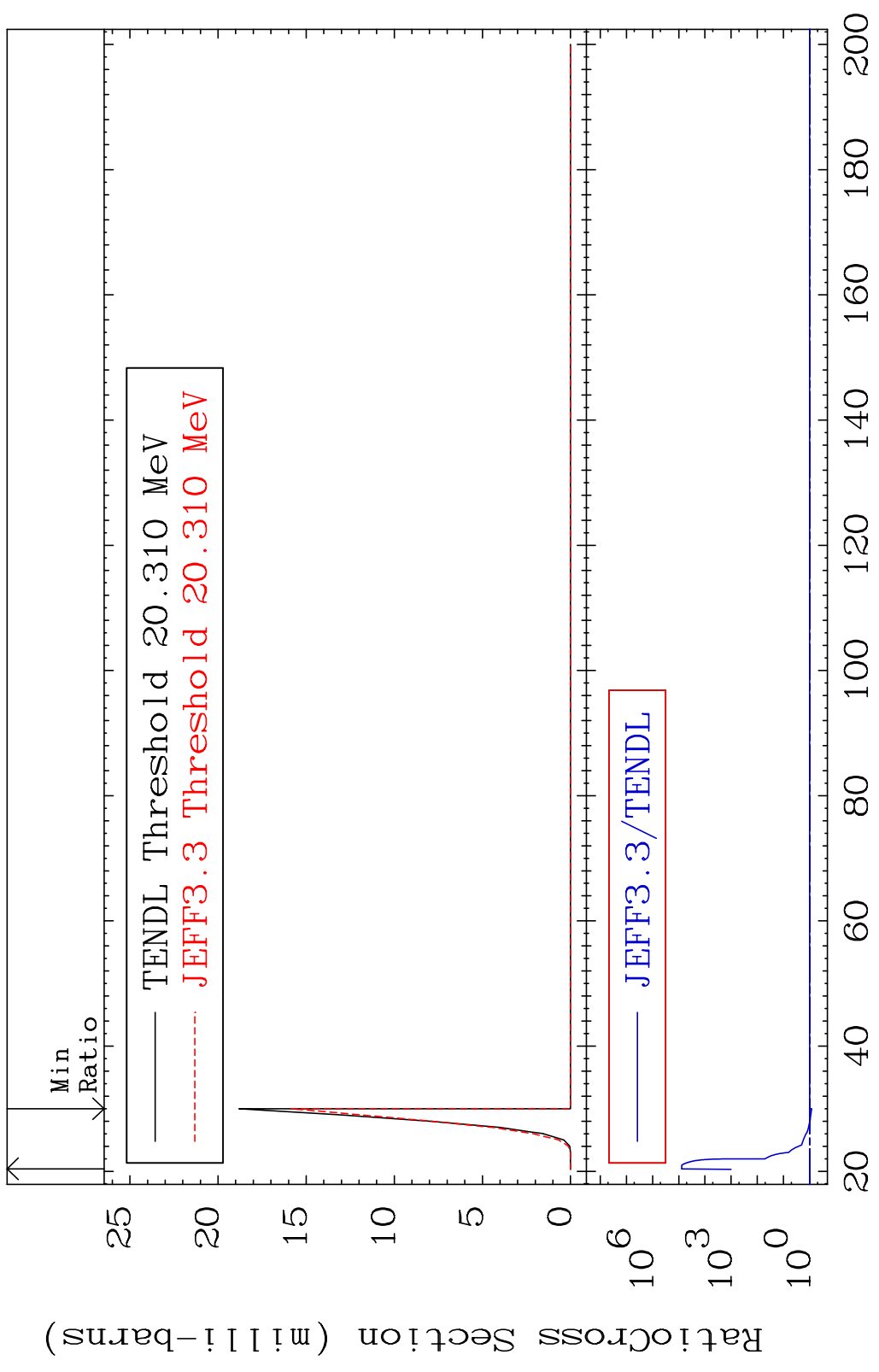
MAT 3637 (n, n') He-3:34-Se-79m1 36-Kr-82
 Radionuclide Production Cross Section 1679. %



79 36-Kr-82

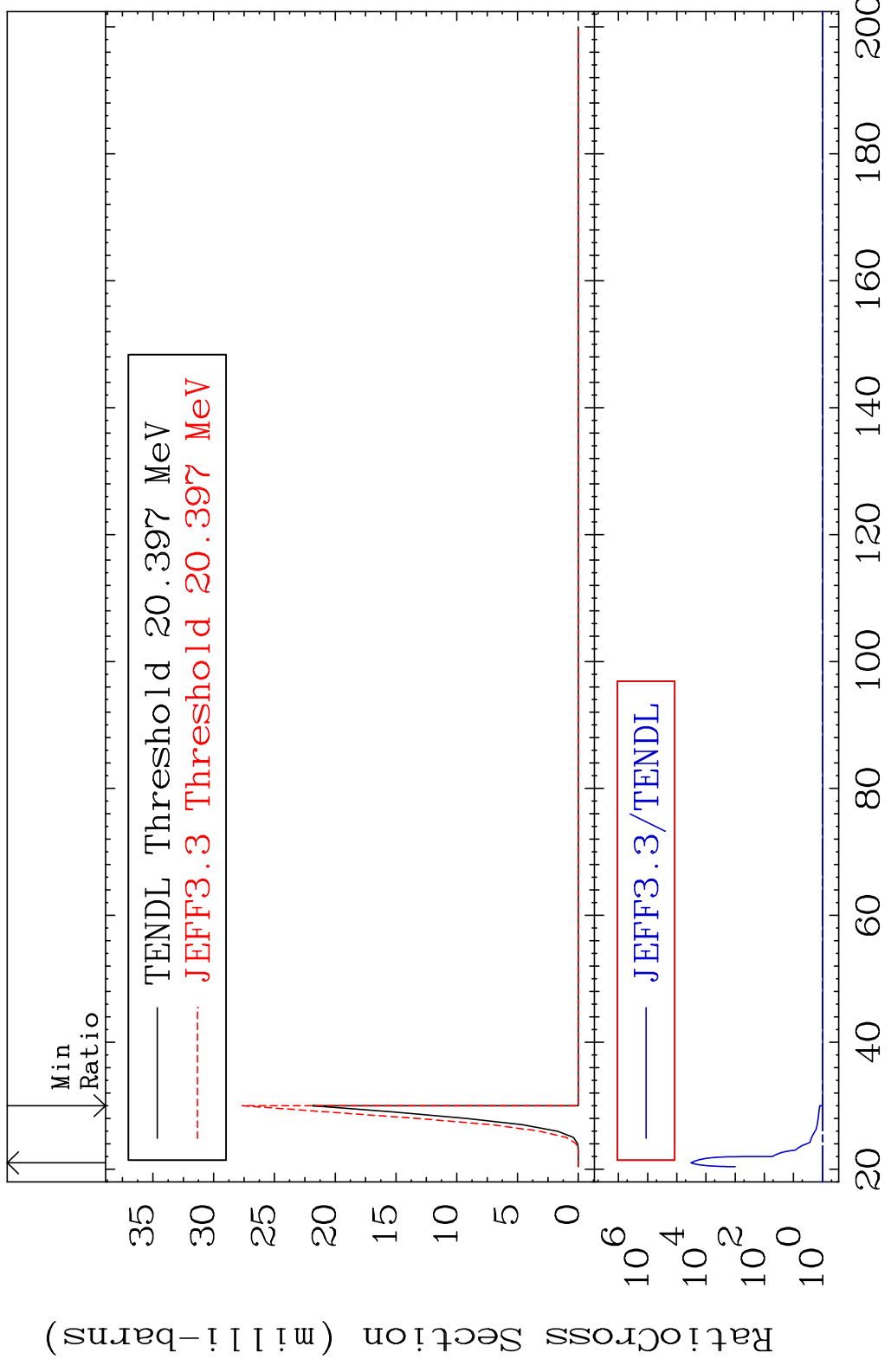
MAT 3637 (n, 2n) p:35-Br-80g 36-Kr-82

Radionuclide Production Cross Section 1Sec 9999. %

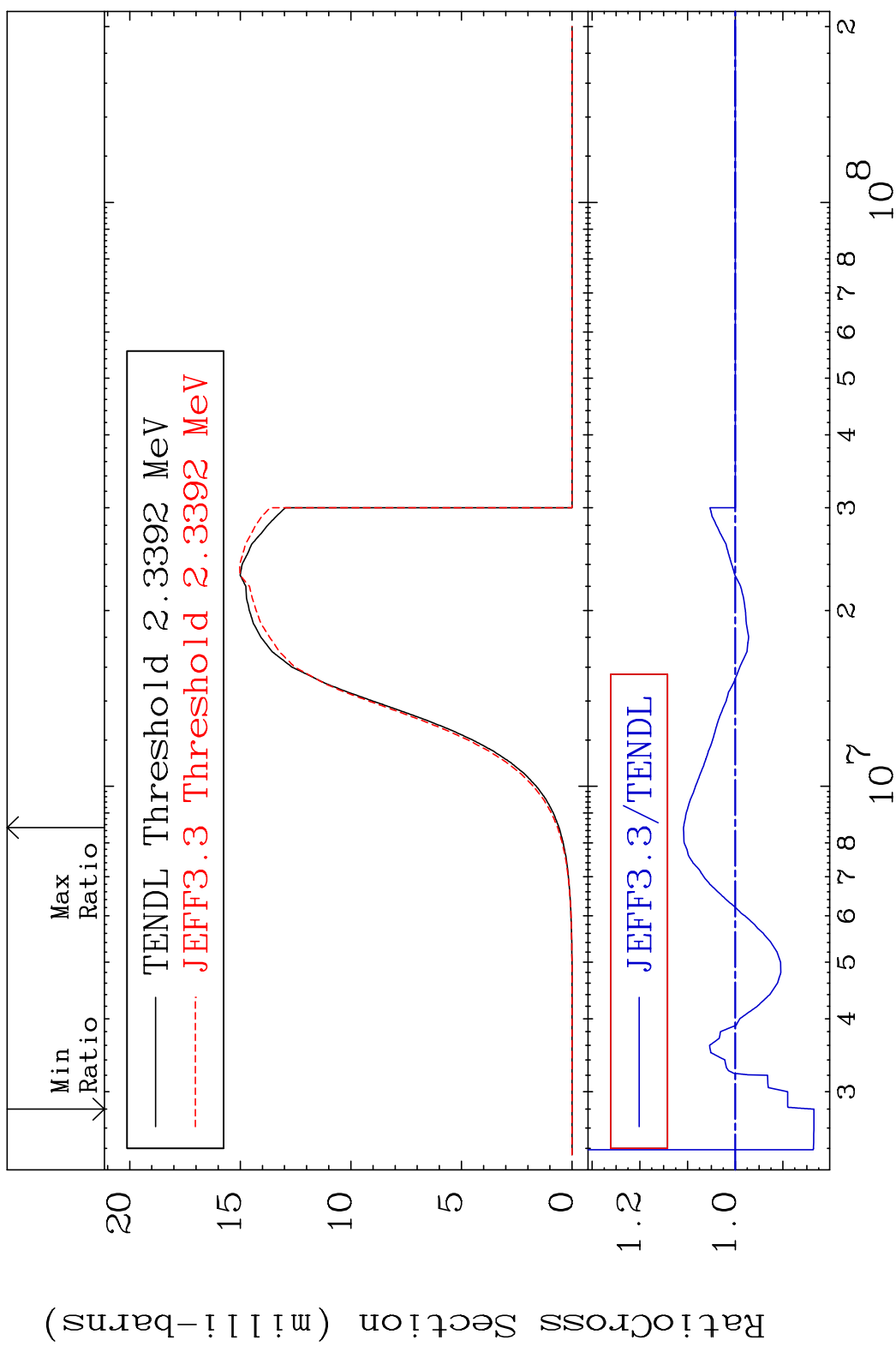


80 Incident Energy (MeV) 36-Kr-82

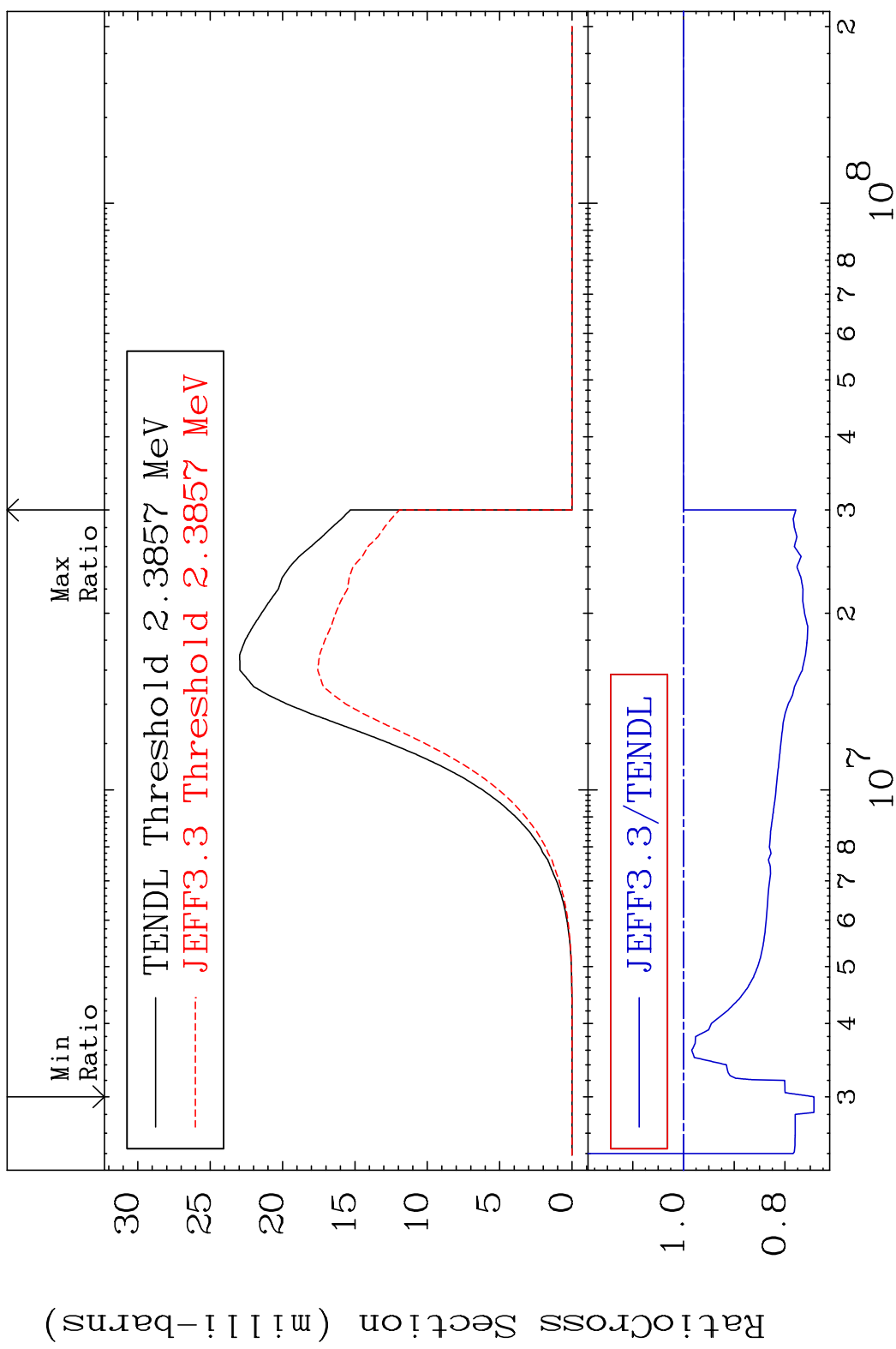
MAT 3637 (n,2n) p:35-Br-80m2 36-Kr-82
 Radionuclide Production Cross Section 9999. %

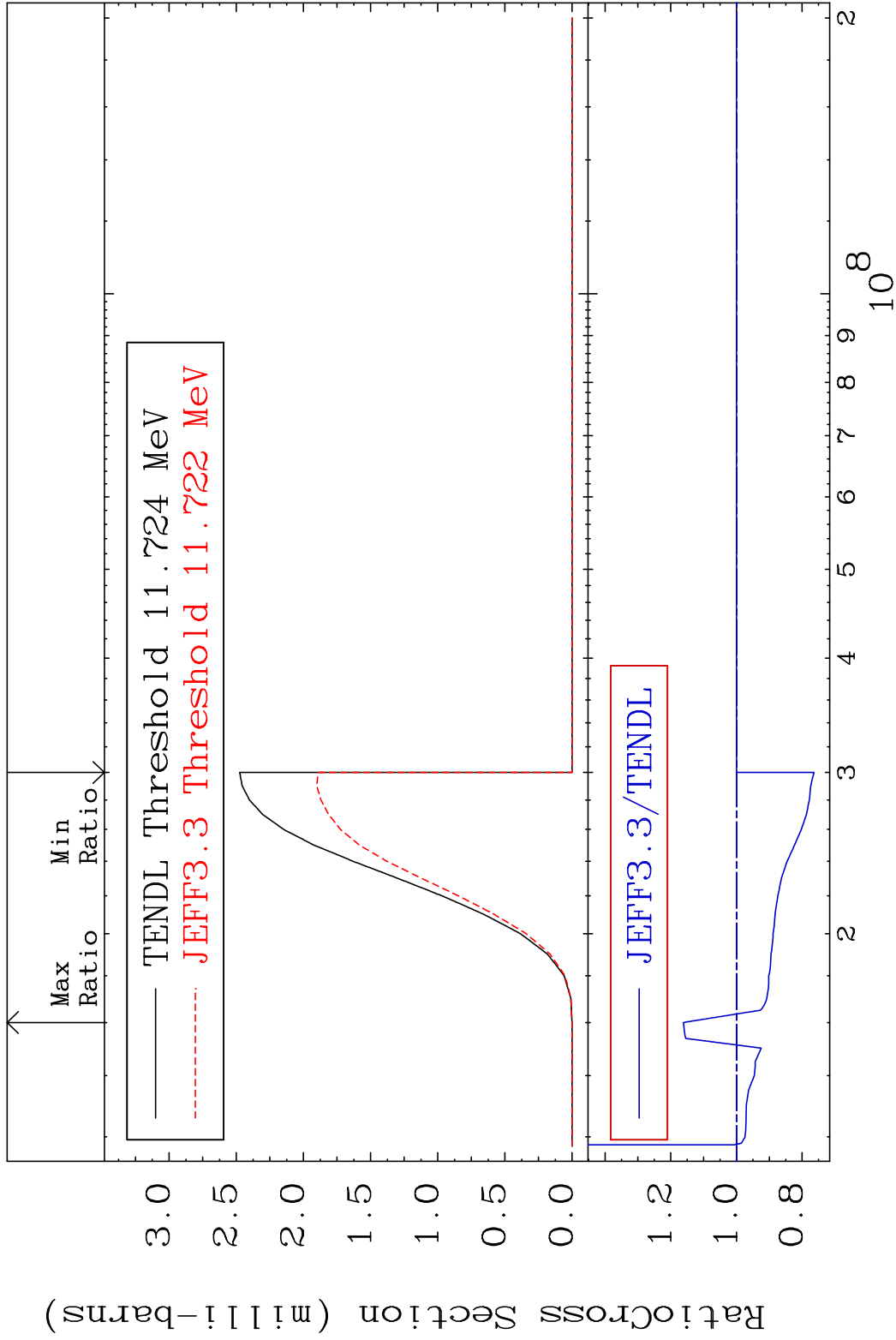


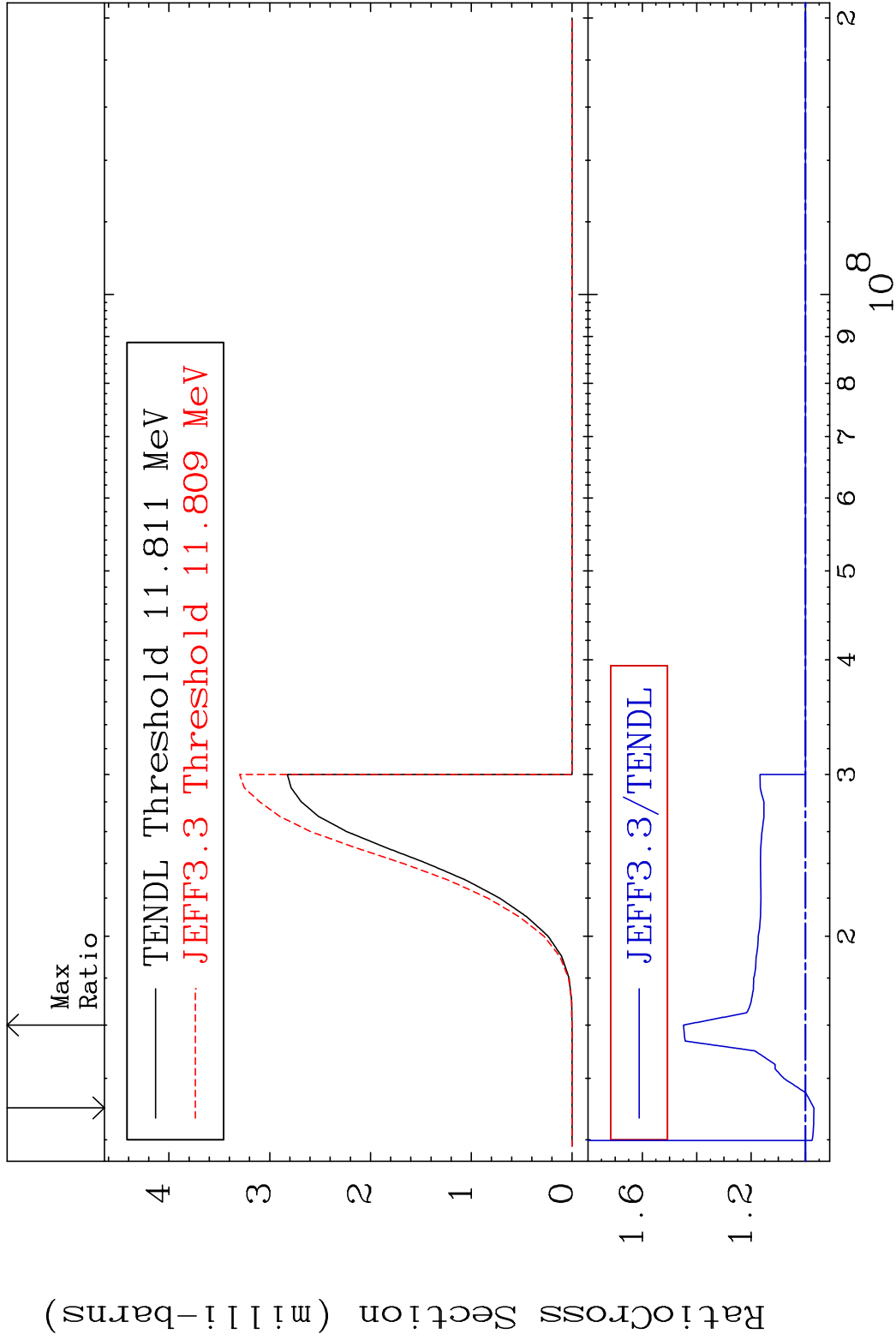
MAT 3637 (n, p) : 35-Br-82g 36-Kr-82
 Radionuclide Production Cross Section 18e40i d10 10.86 %

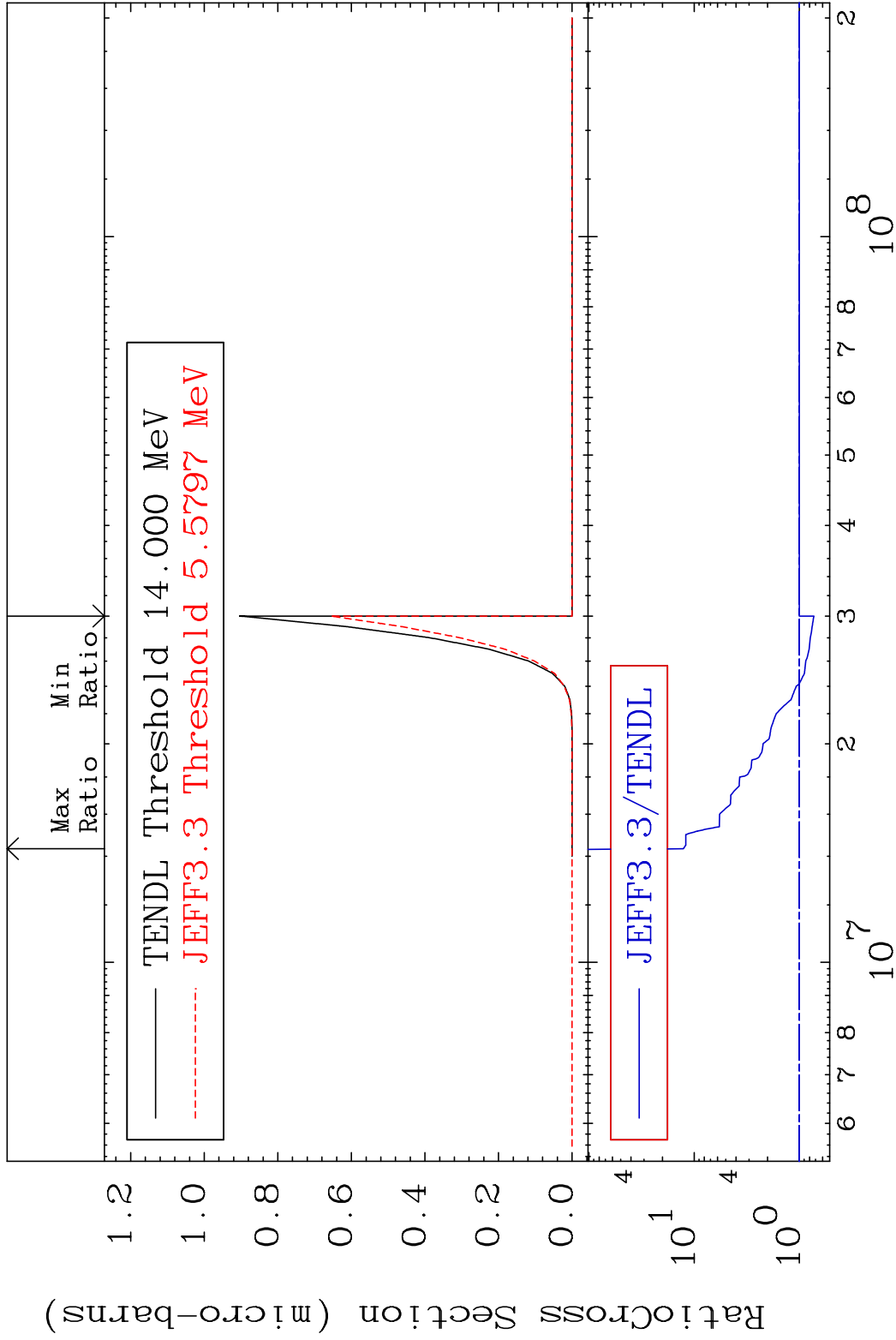


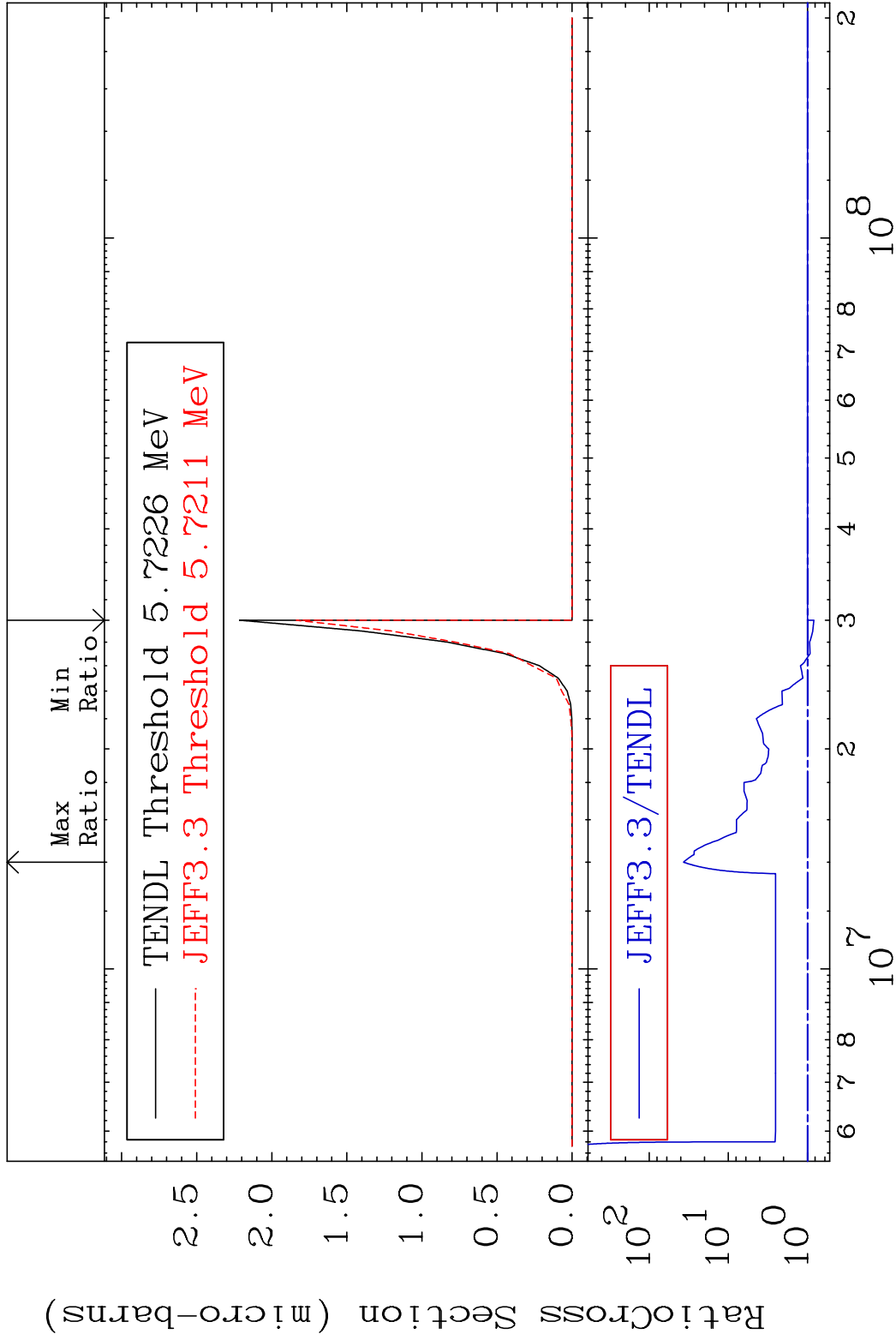
MAT 3637 (n, p): 35-Br-82m1 36-Kr-82
 Radionuclide Production Cross Section 0.000 %

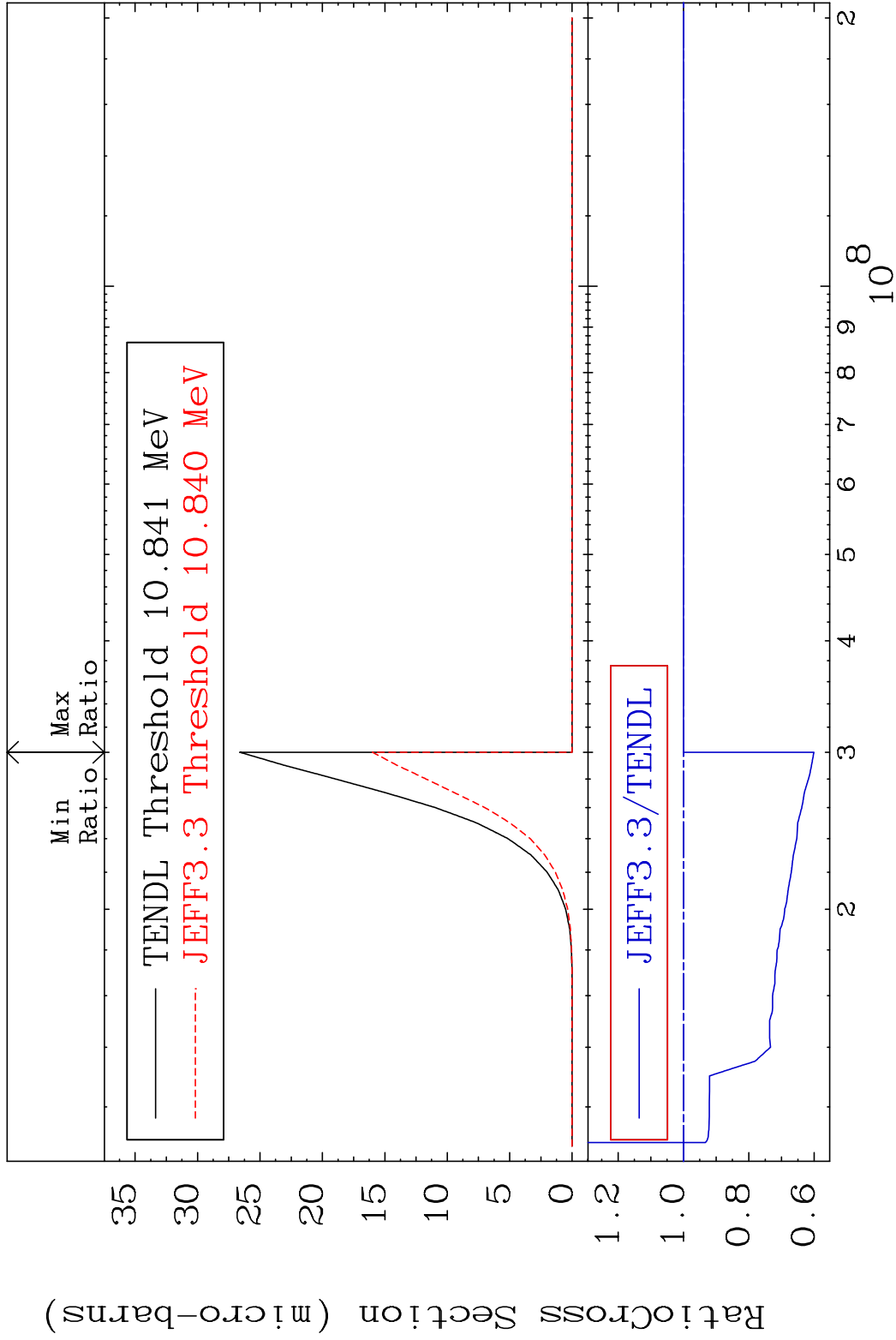


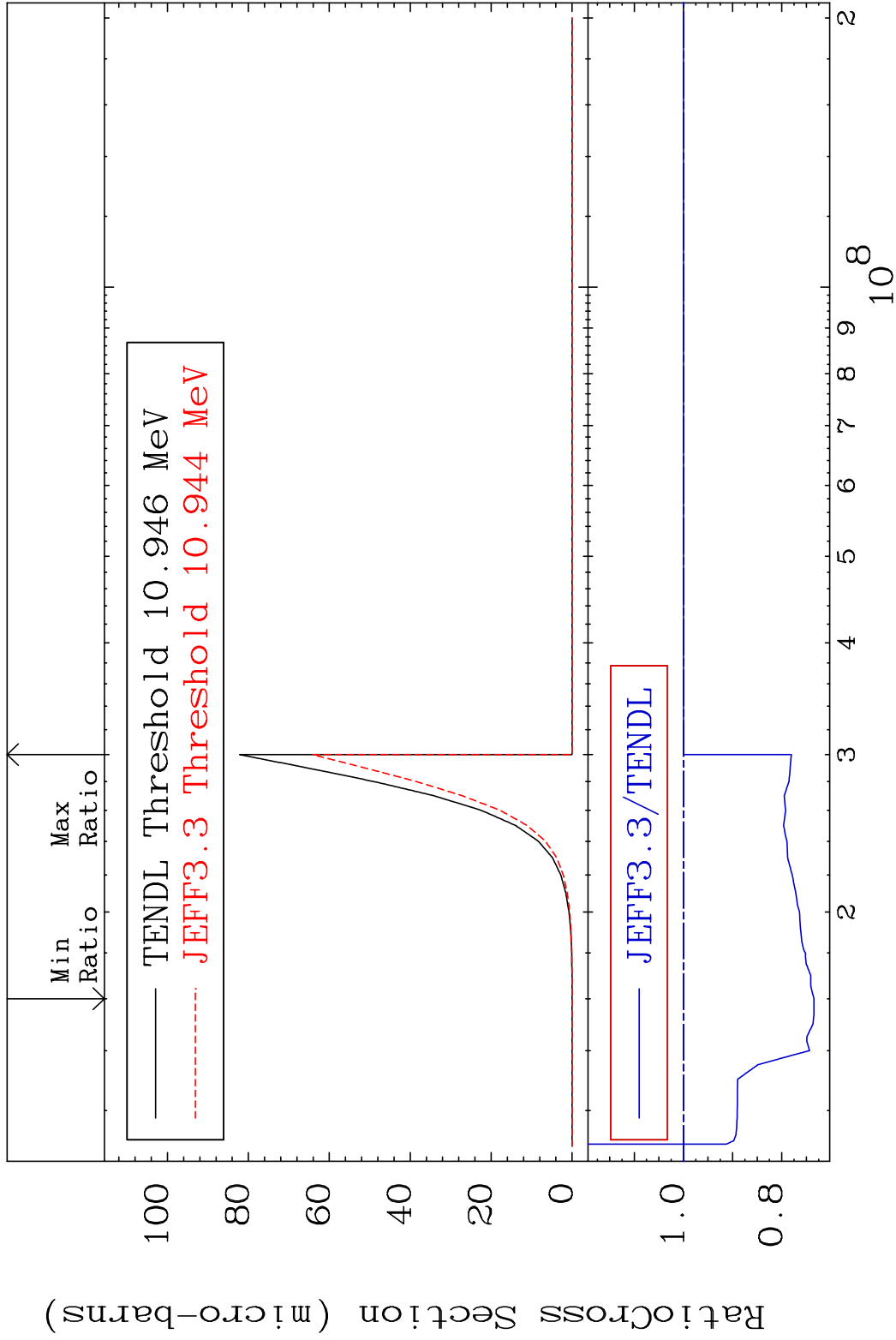


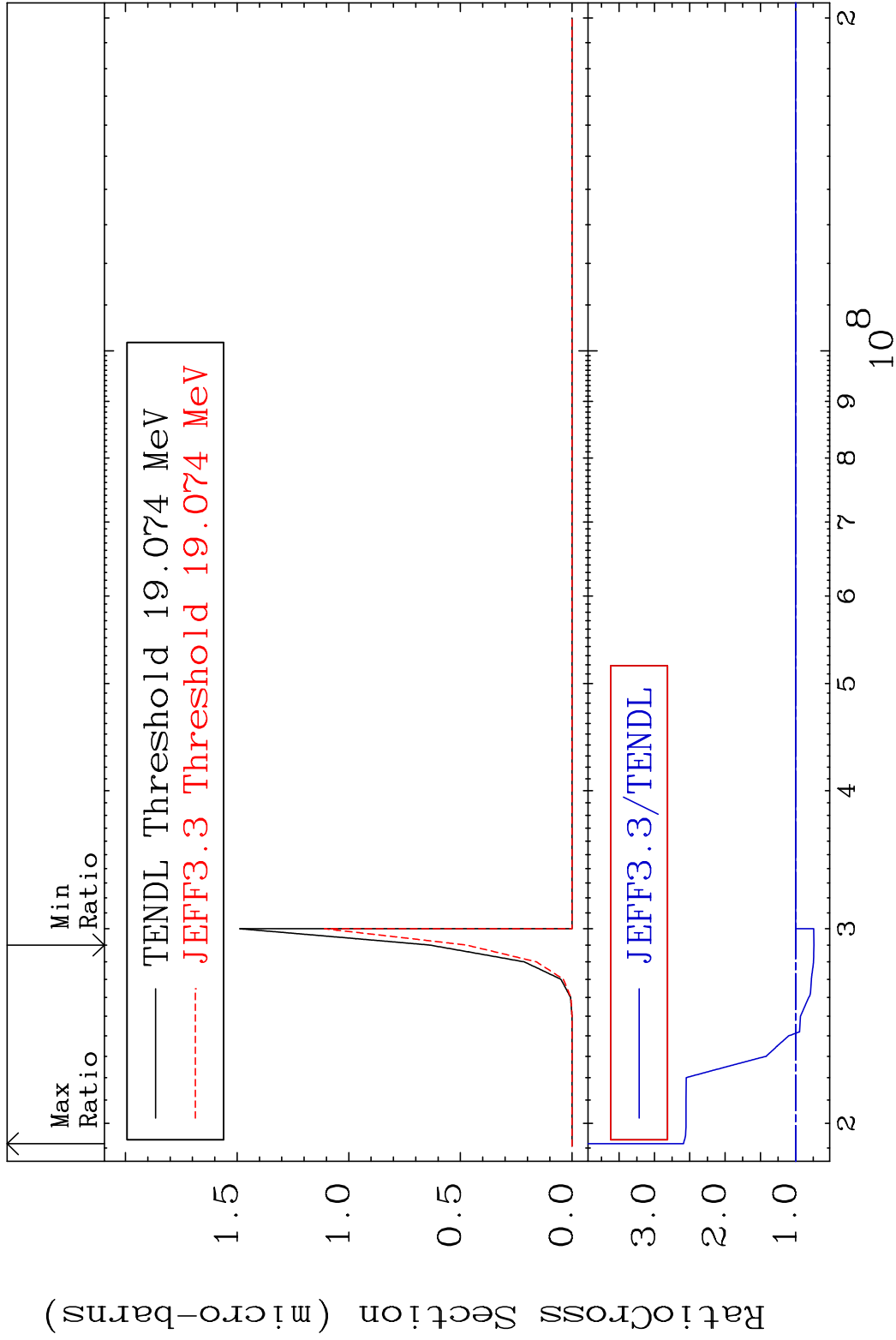












MAT 3637 (n, p) t:34-Se-79m1 36-Kr-82
 Radionuclide Production Cross Section 36e23Bi d10 246.3 %

