

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

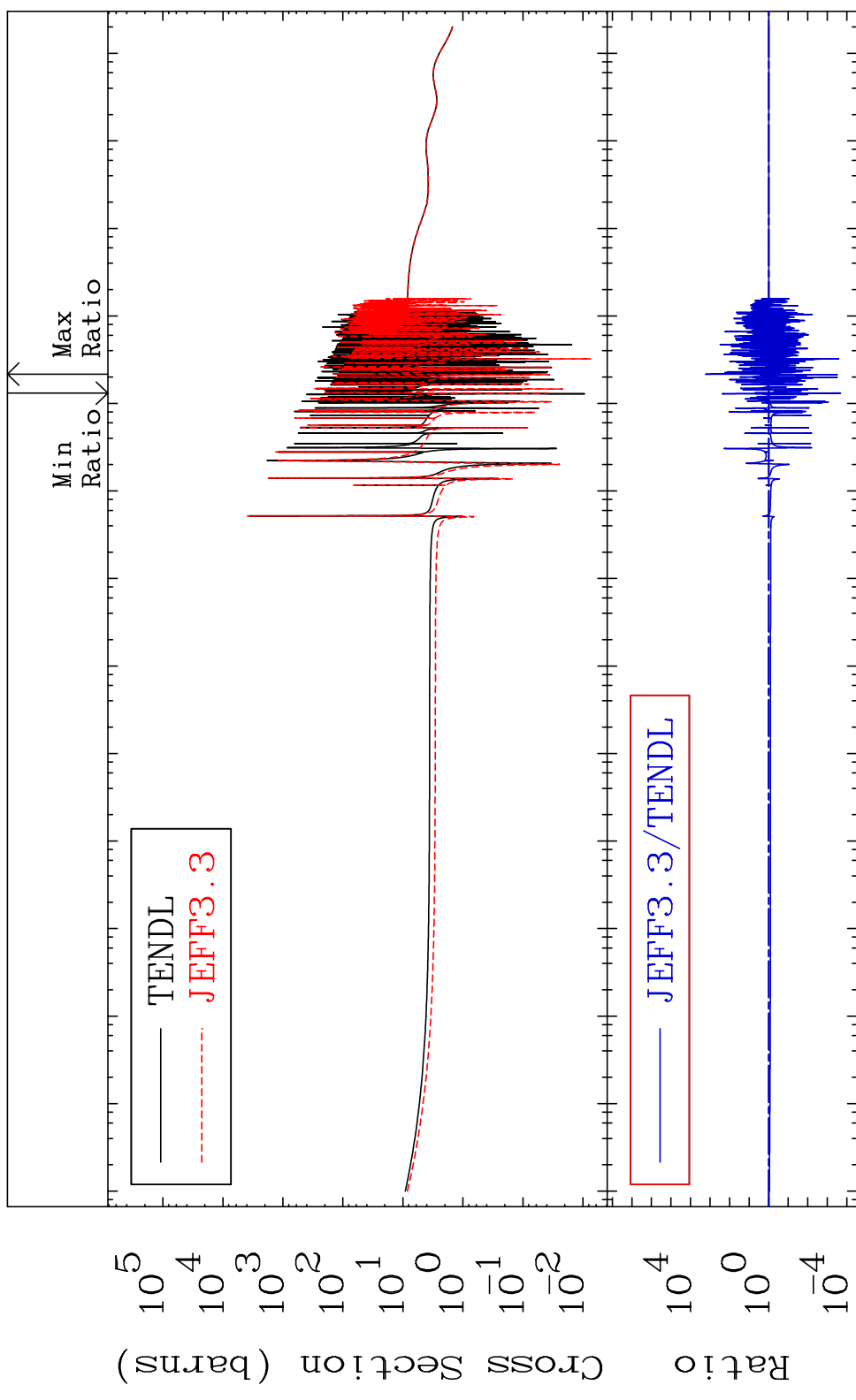
Press Mouse Button to Start

MAT 3643

Total

36-Kr-84

Cross Section -99.98 To 9999. %



1

Incident Energy (eV)

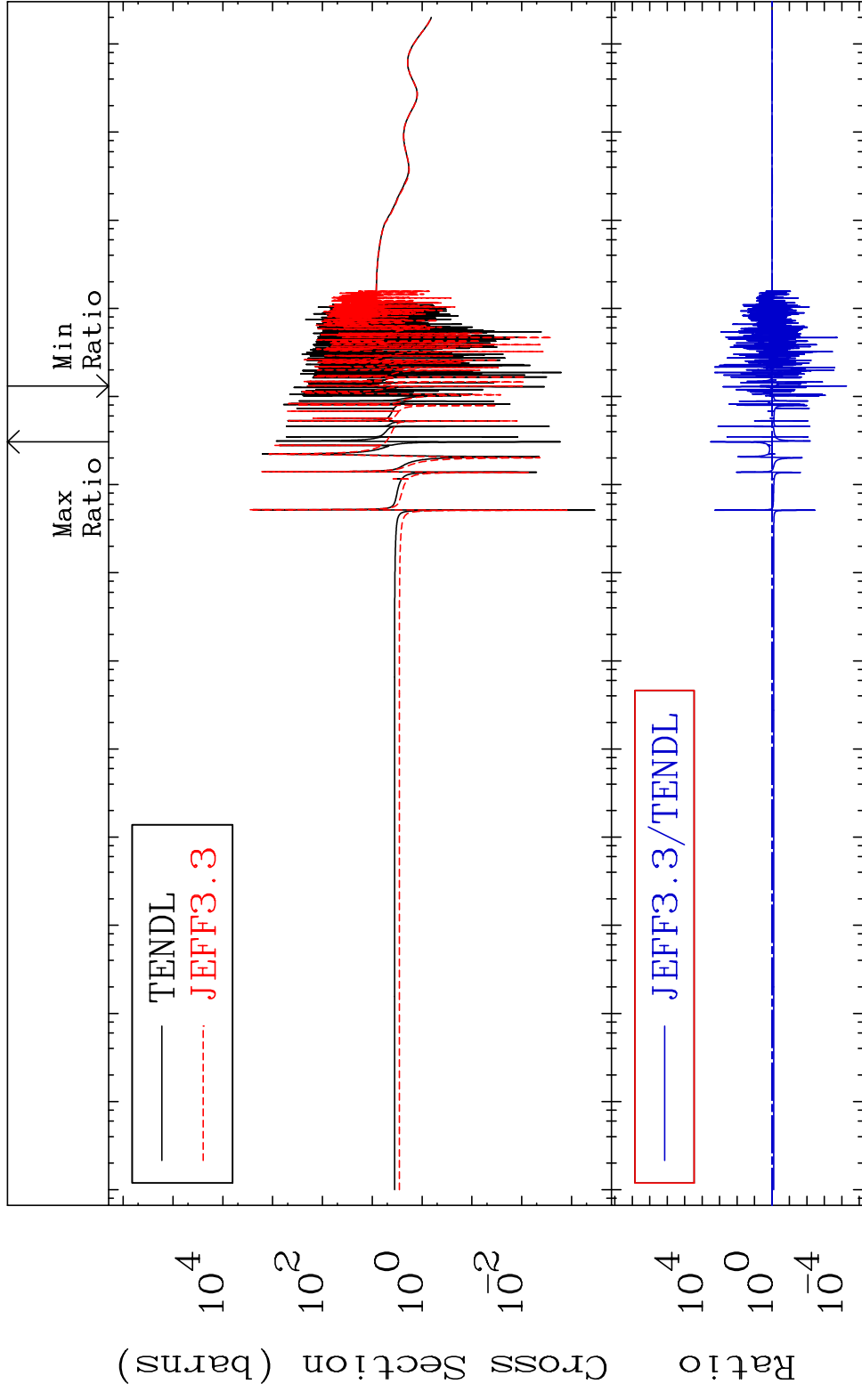
36-Kr-84

MAT 3643

36-Kr-84

Elastic

Cross Section -99.99 To 9999. %

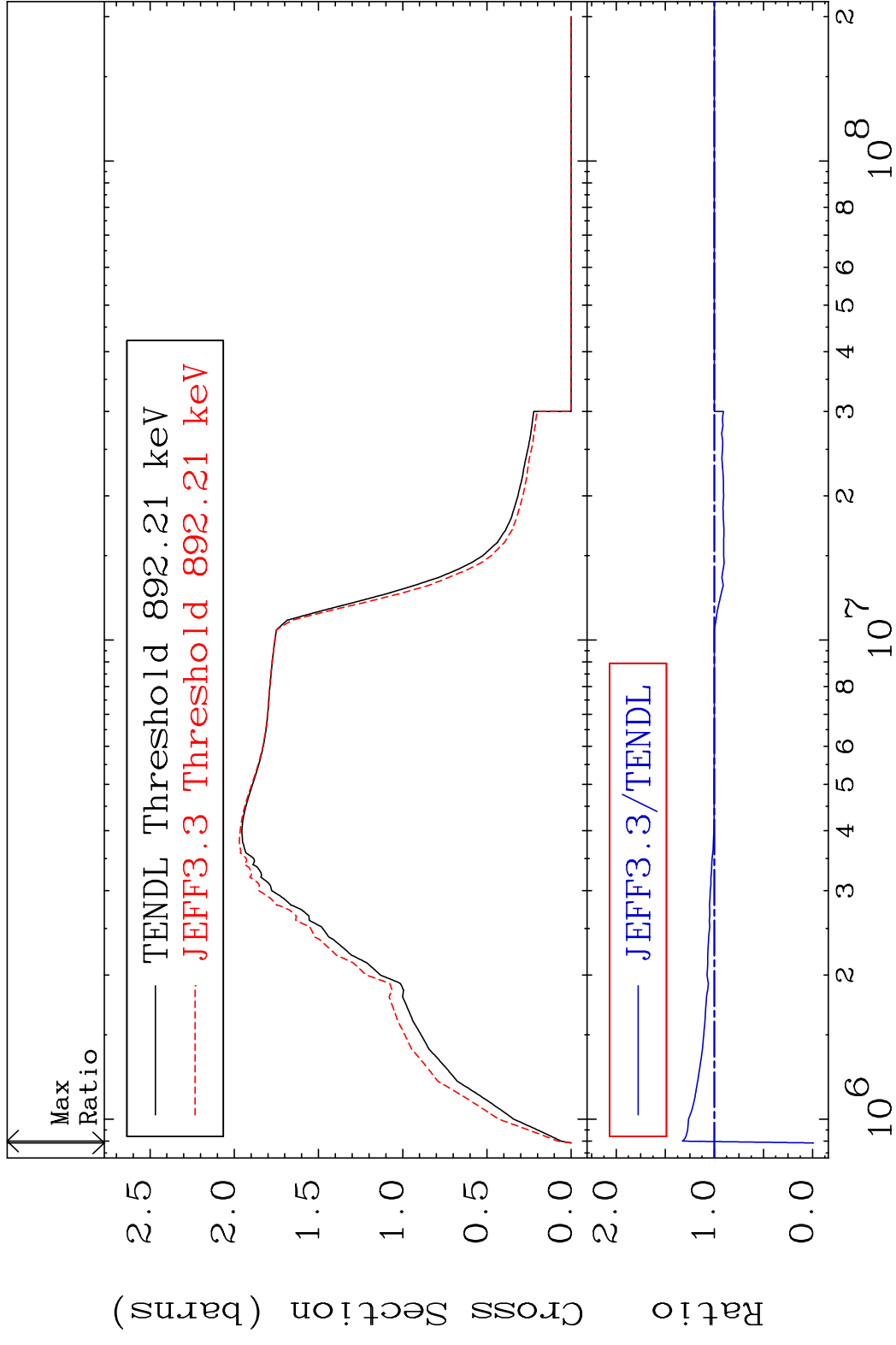


2

Incident Energy (eV)

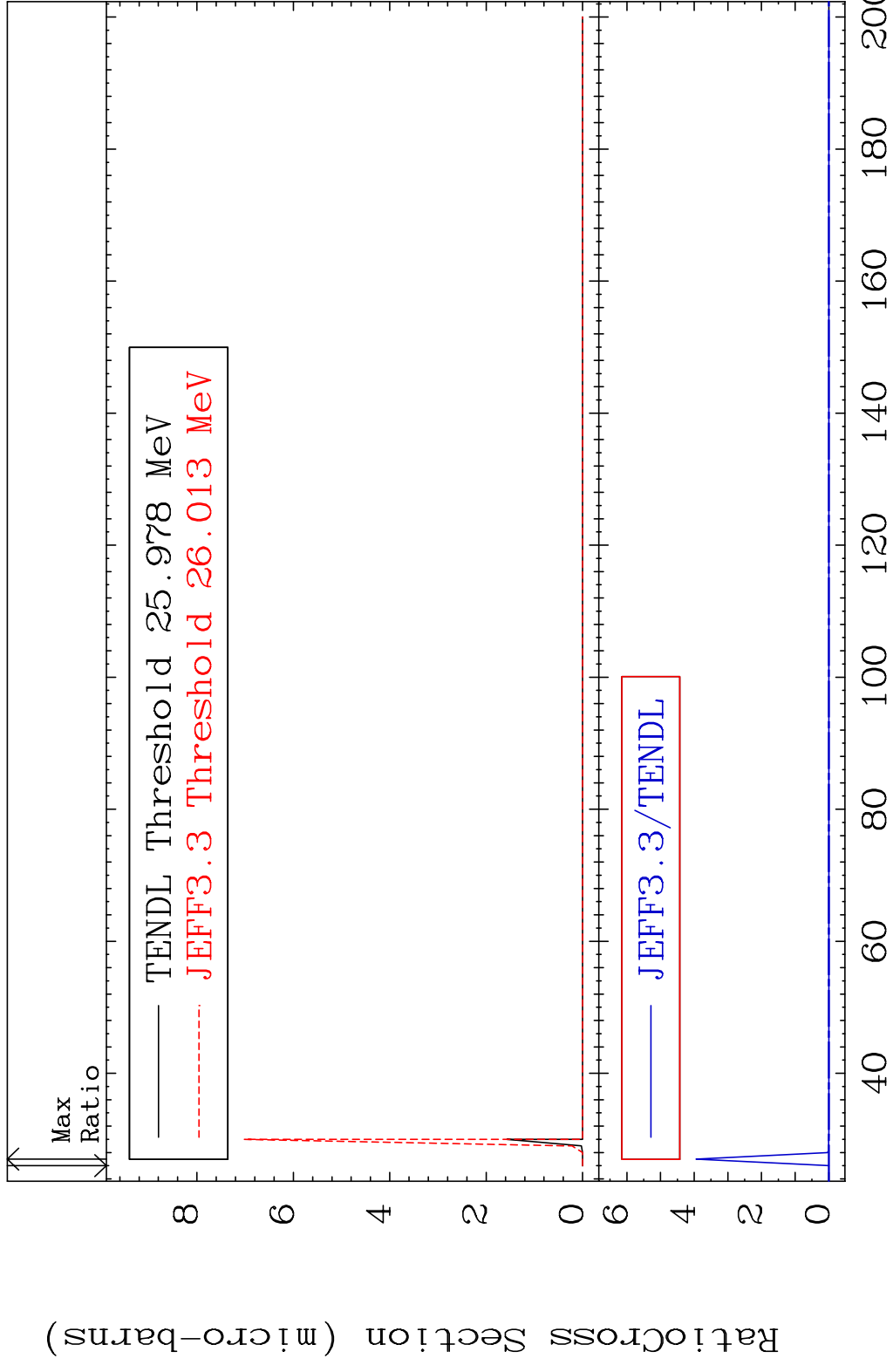
36-Kr-84

MAT 3643 Inelastic 36-Kr-84
Cross Section -100.0 To 32.60 %



3 2 3 4 5 6 8 10⁶ 10⁷ 10⁸ 36-Kr-84

MAT 3643 (n,2n) d 36-Kr-84
Cross Section -100.0 To 9999. %

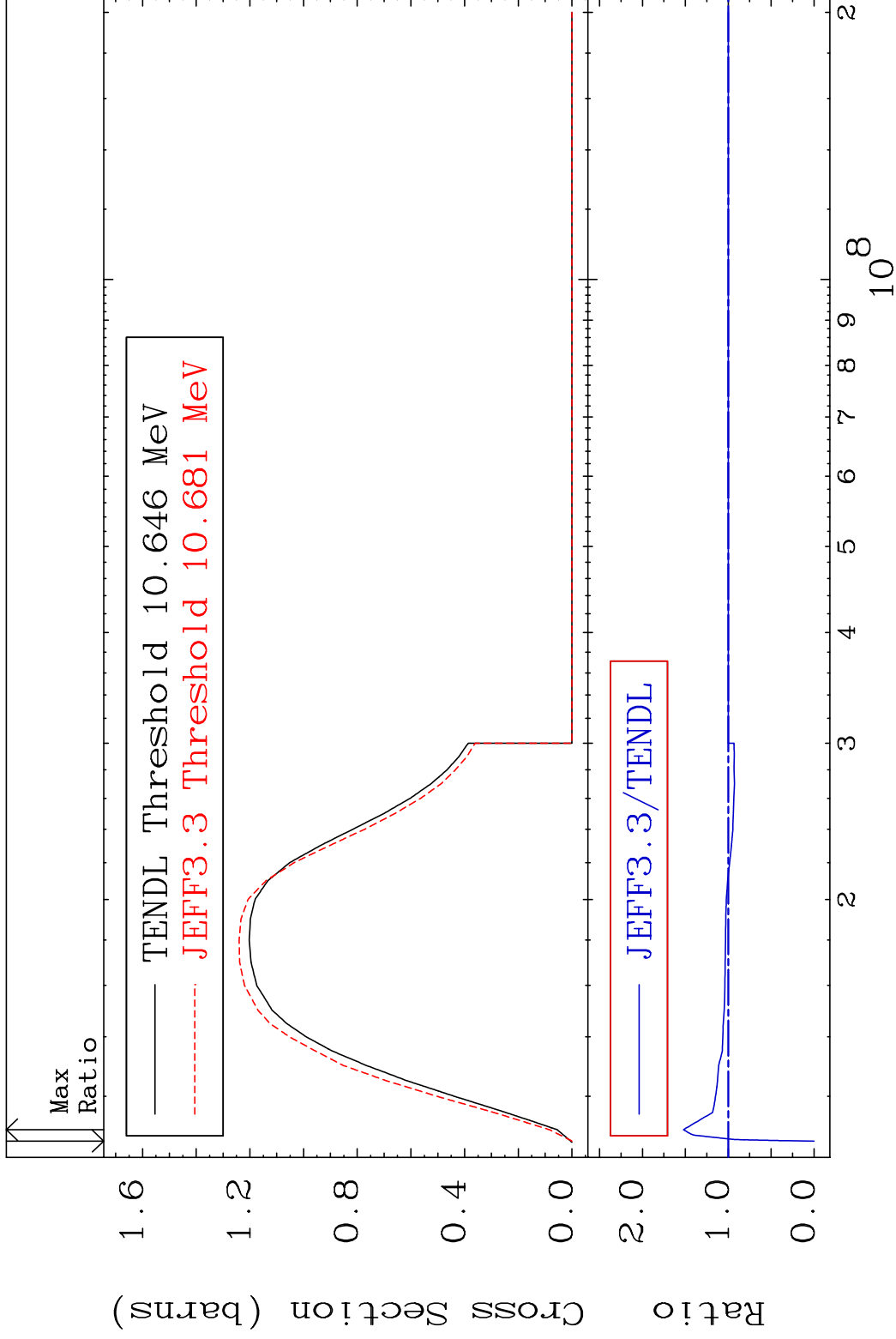


MAT 3643

(n,2n)

36-Kr-84

Cross Section -100.0 To 52.20 %



5

Incident Energy (eV)

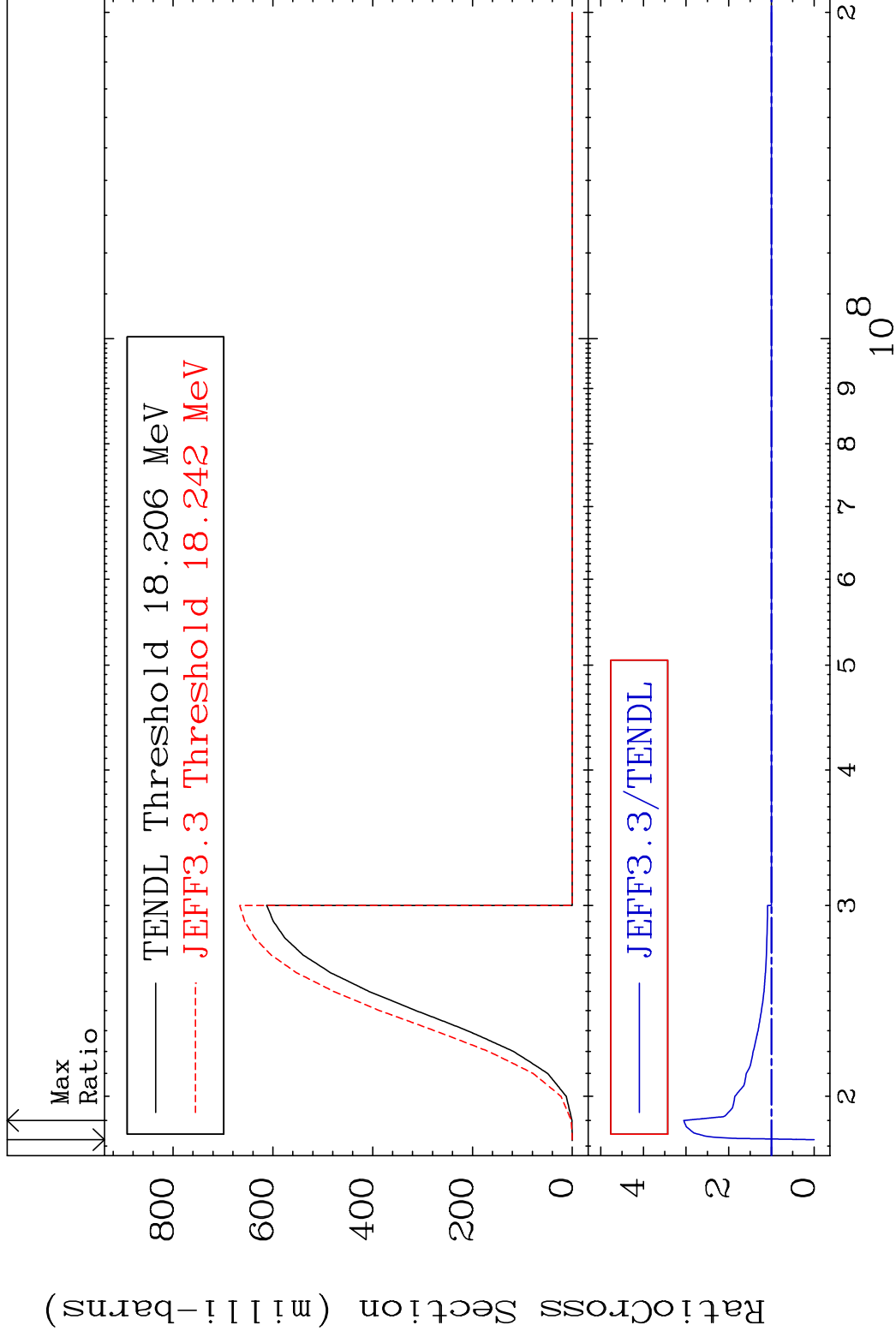
36-Kr-84

MAT 3643

(n,3n)

36-Kr-84

Cross Section -100.0 To 205.6 %

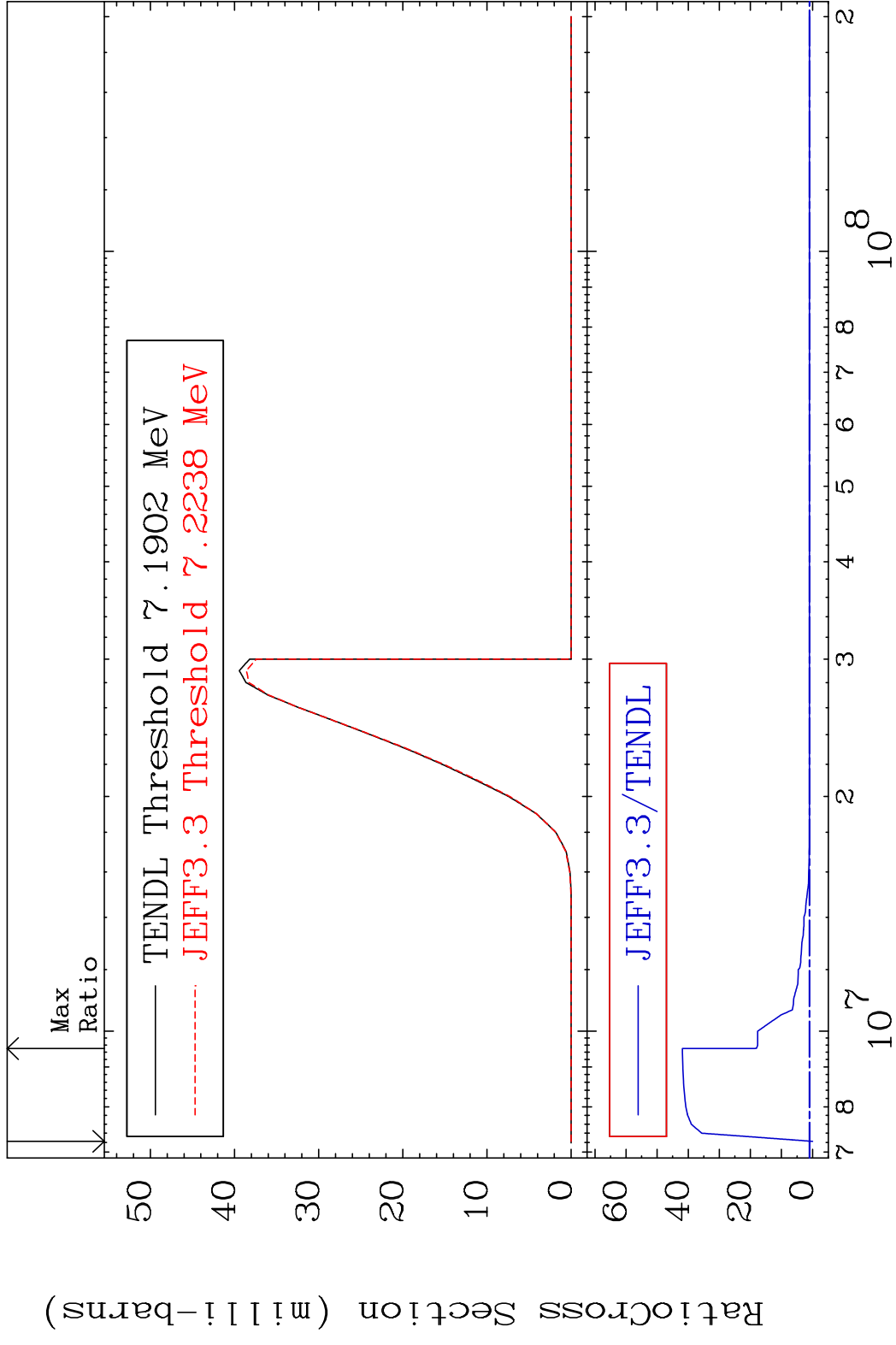


6

Incident Energy (eV)

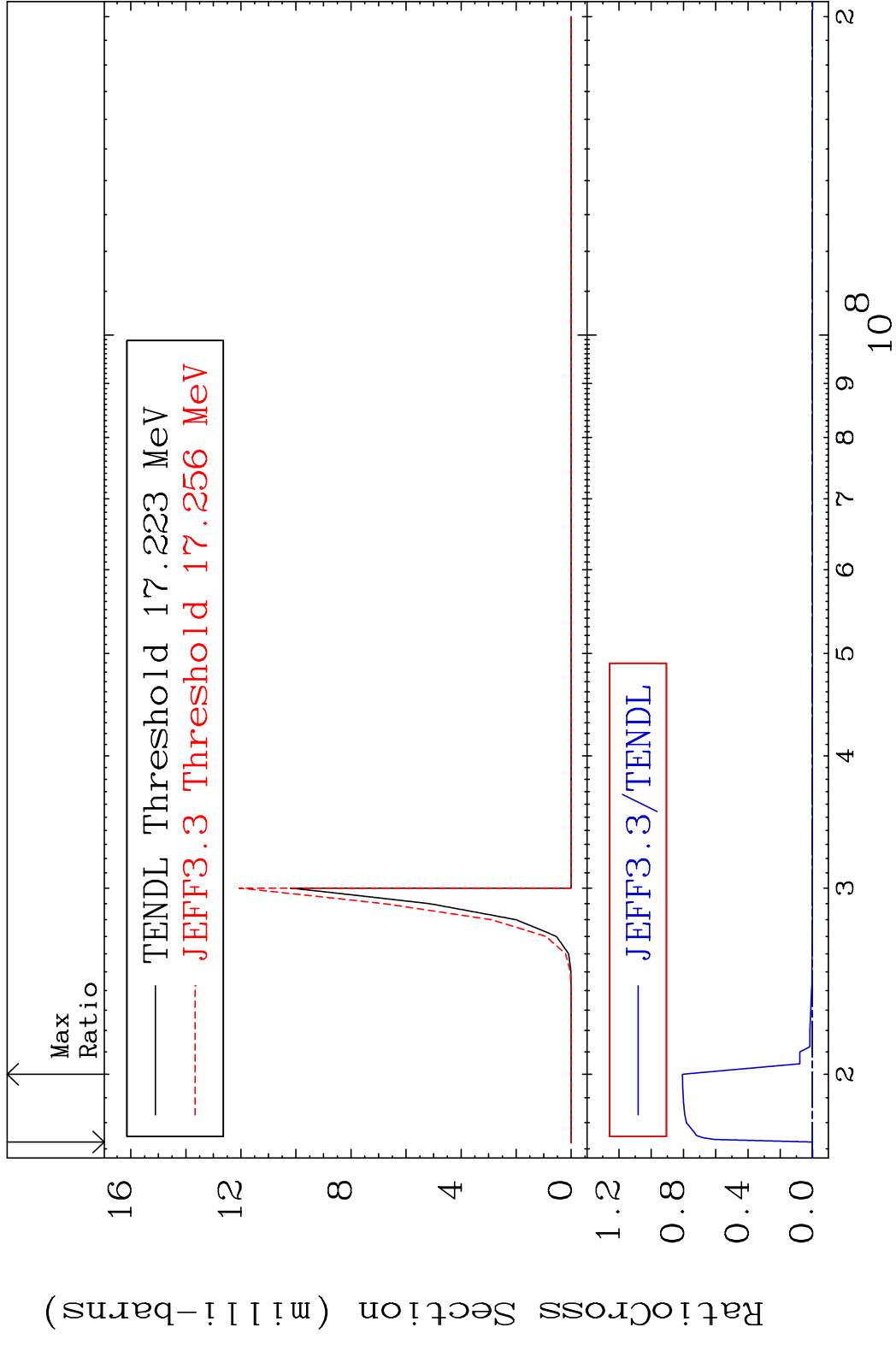
36-Kr-84

MAT 3643 (n, n') α 36-Kr-84
 Cross Section -100.0 To 4088. %



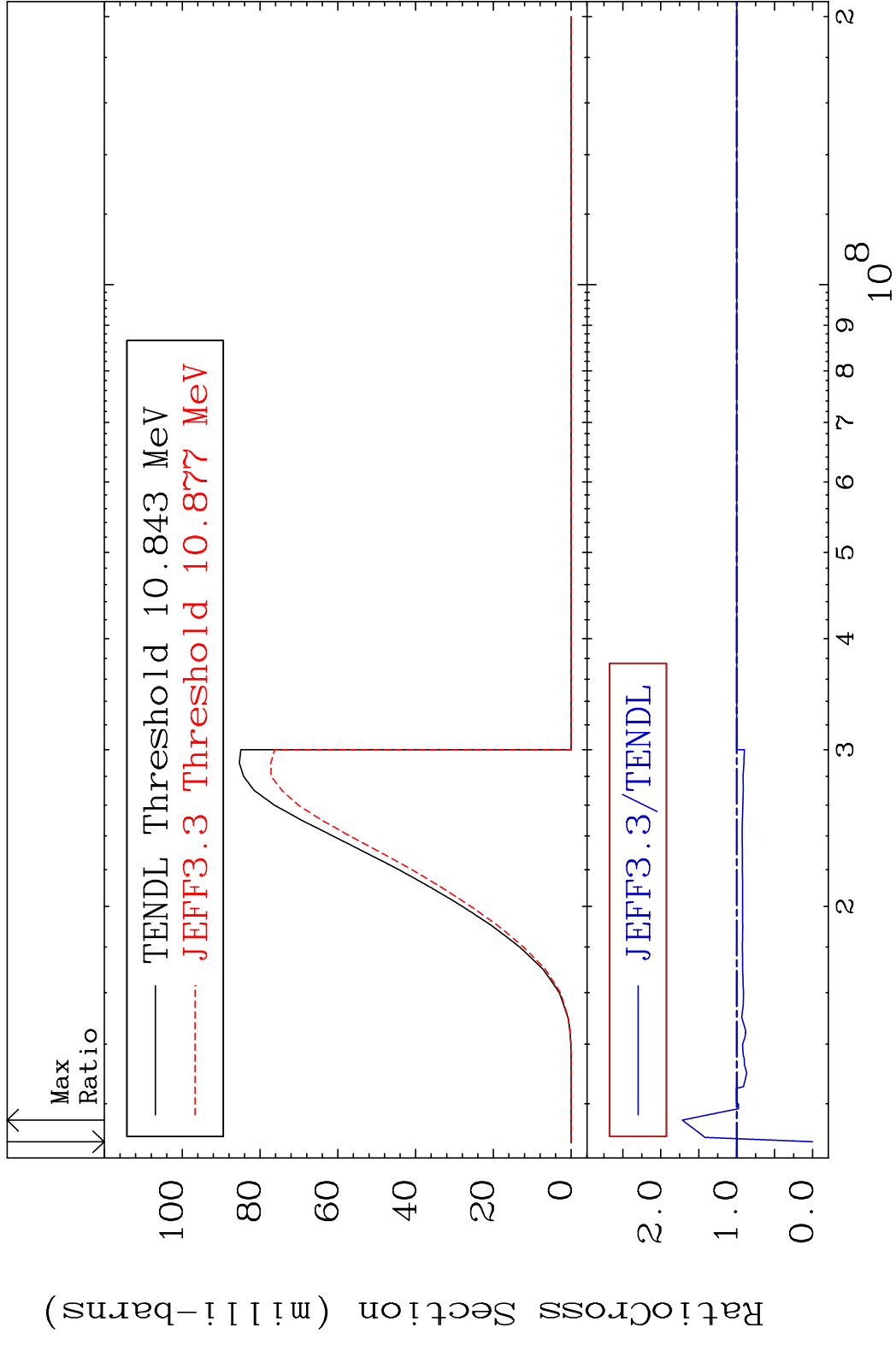
7 Incident Energy (eV) 36-Kr-84

MAT 3643 (n,2n) α 36-Kr-84
 Cross Section -100.0 To 9999. %



8 Incident Energy (eV) 36-Kr-84

MAT 3643 (n, n') p 36-Kr-84
 Cross Section -100.0 To 71.57 %

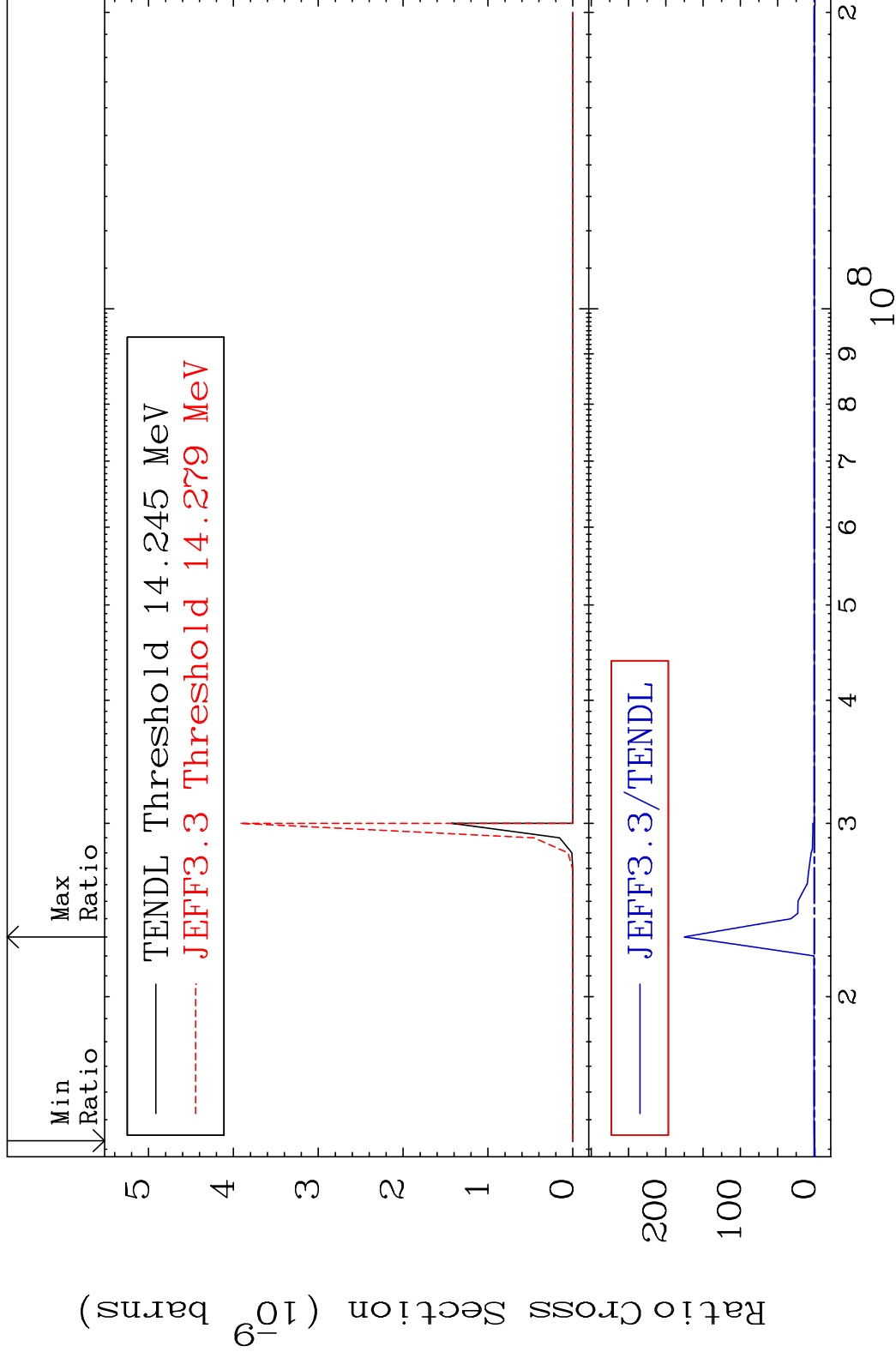


MAT 3643

(n, n') 2 α

36-Kr-84

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

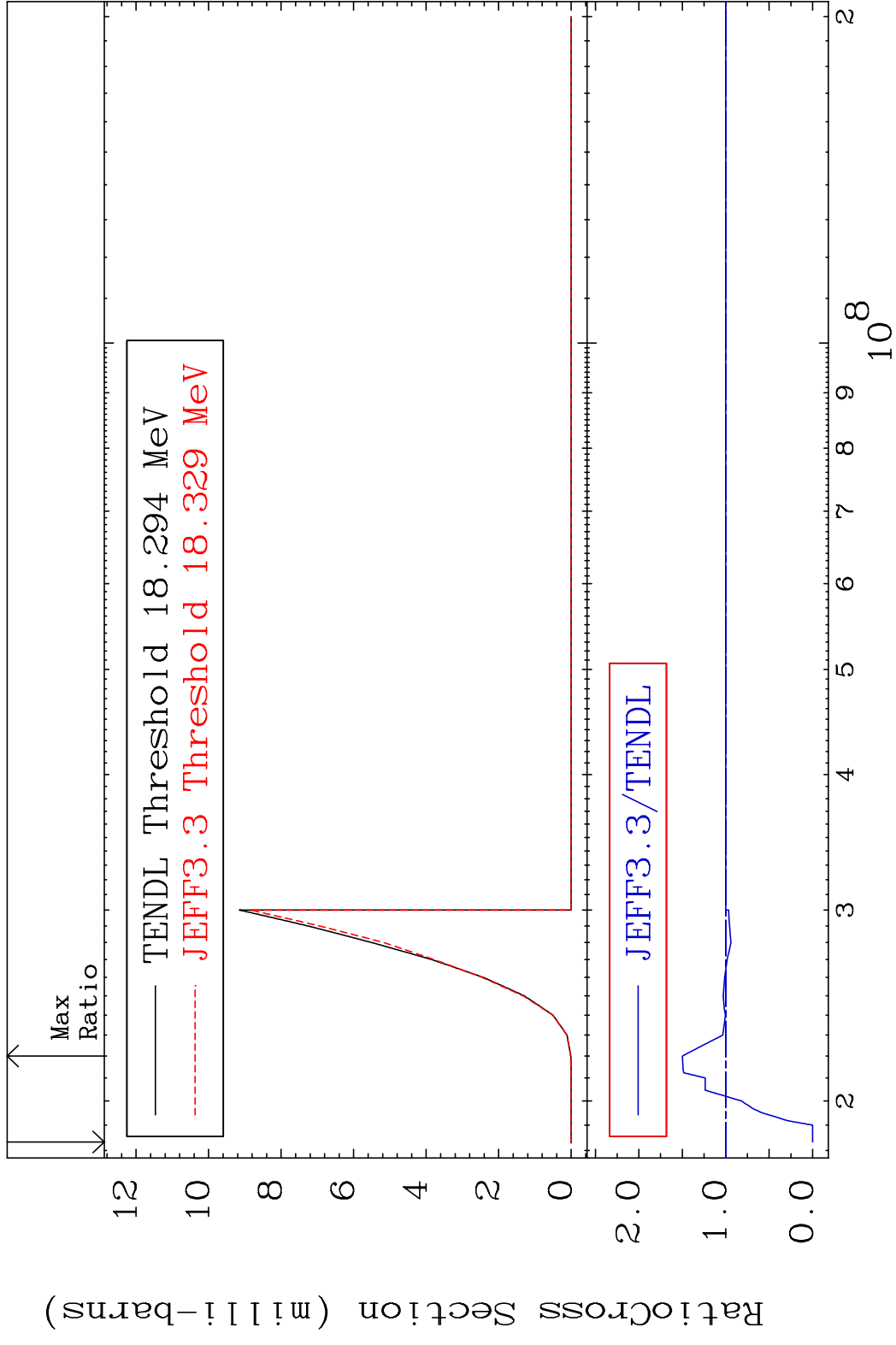
36-Kr-84

MAT 3643

(n, n') d

36-Kr-84

Cross Section -100.0 To 49.93 %

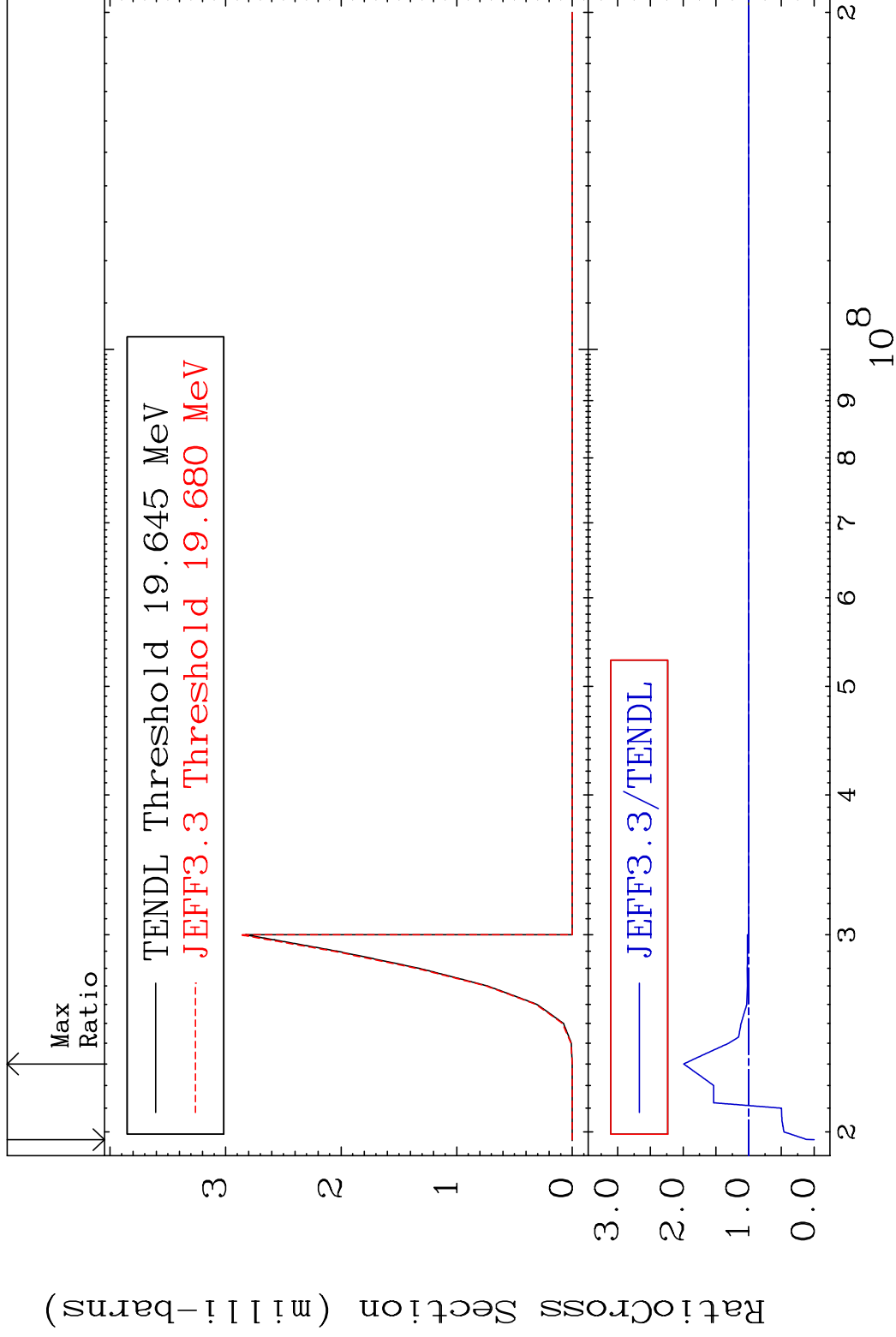


MAT 3643

(n, n') t

36-Kr-84

Cross Section -100.0 To 99.19 %

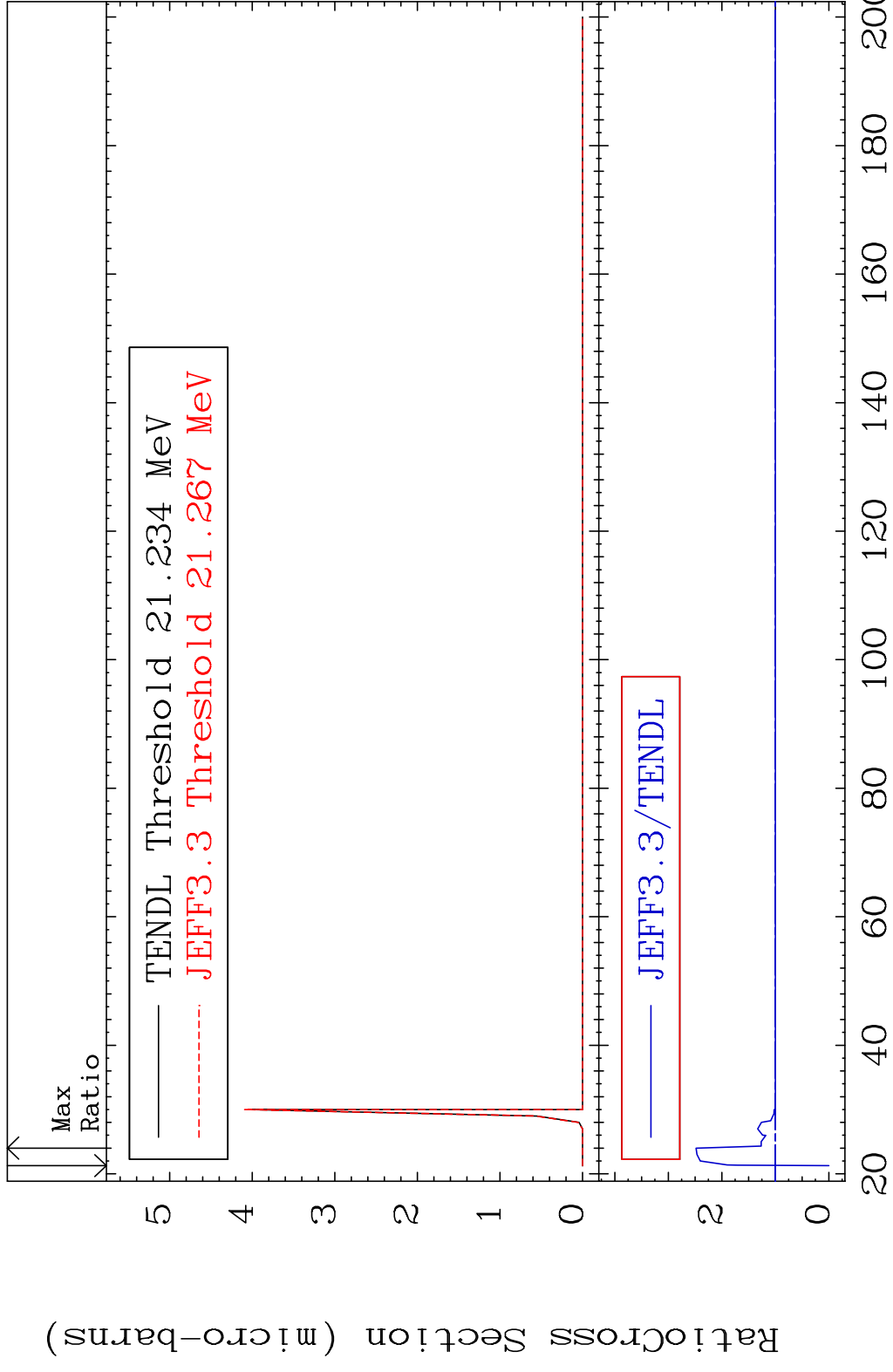


12

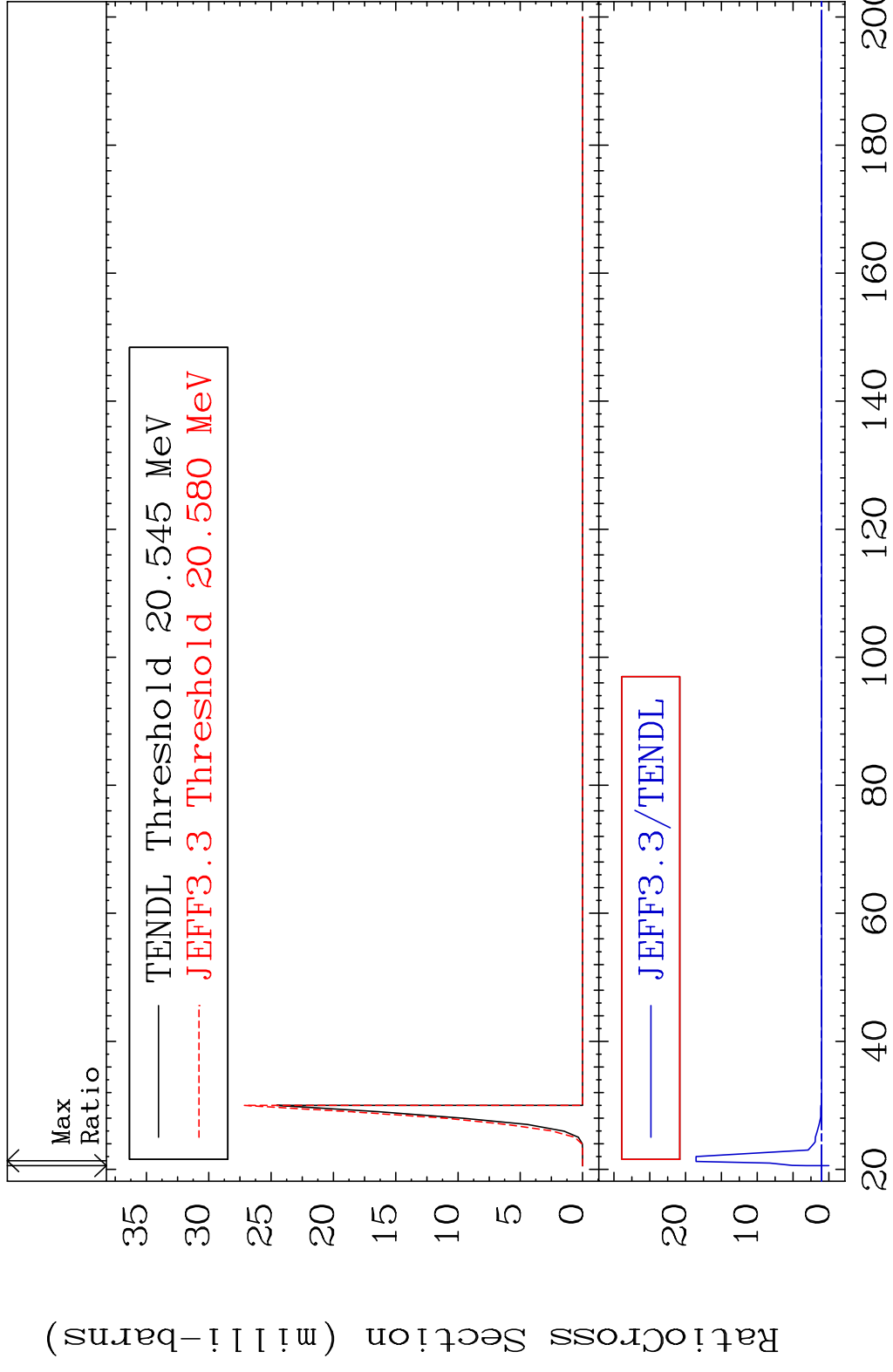
Incident Energy (eV)

36-Kr-84

MAT 3643 (n,n') He-3 36-Kr-84
 Cross Section -100.0 To 148.2 %



MAT 3643 (n,2n) p 36-Kr-84
 Cross Section -100.0 To 1754. %

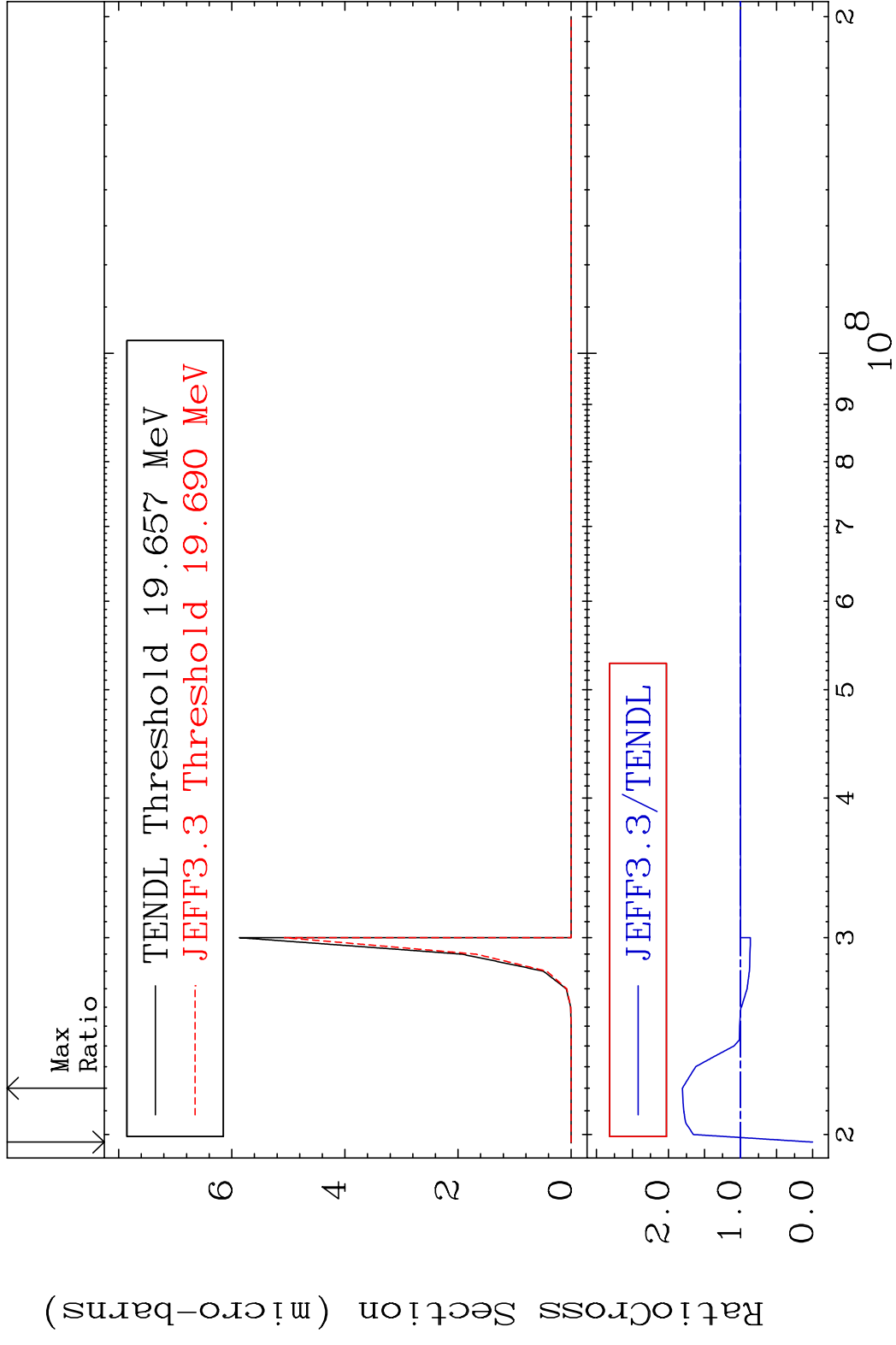


MAT 3643

(n,2n) p

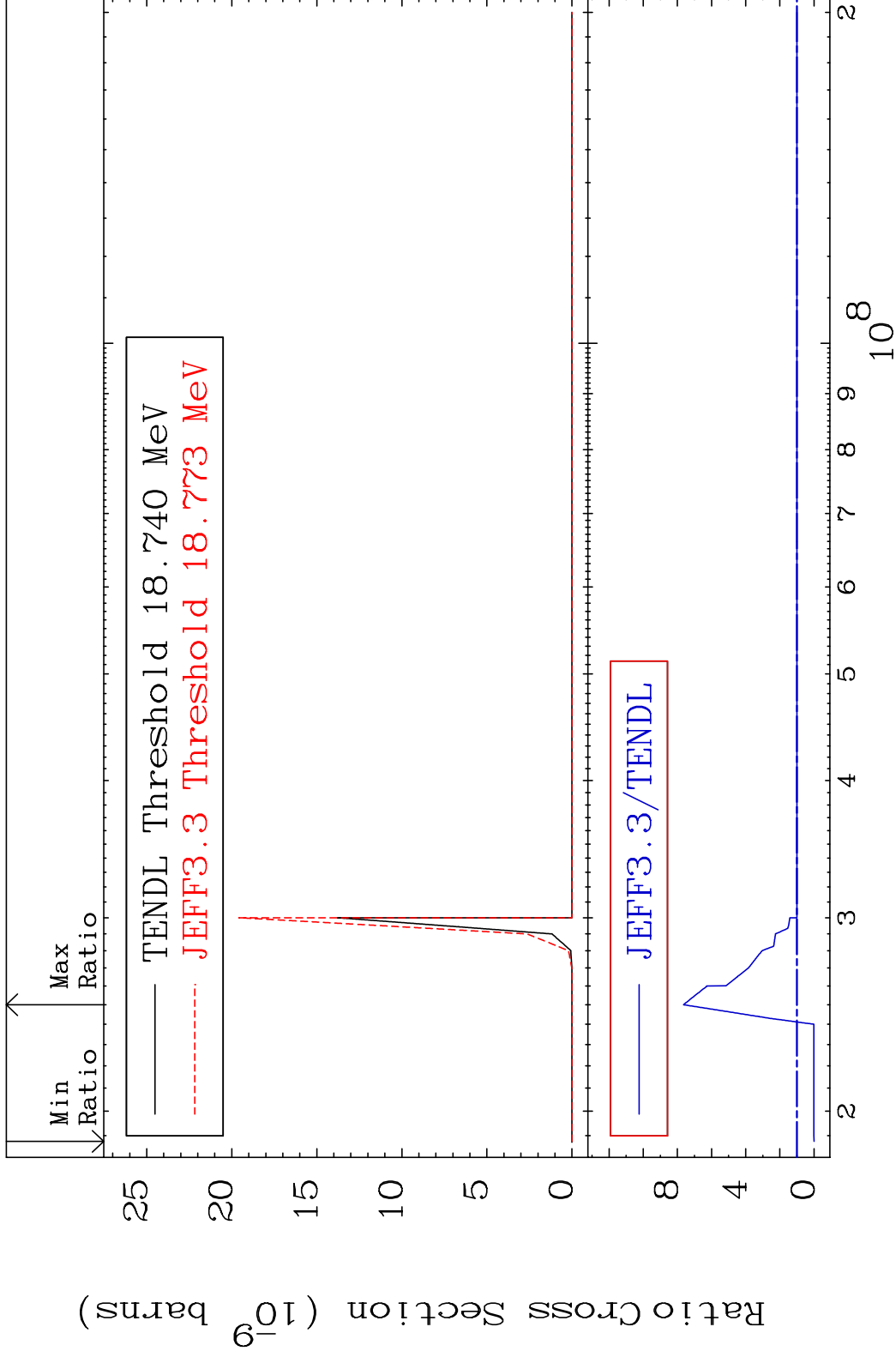
36-Kr-84

Cross Section -100.0 To 80.79 %



MAT 3643

(n,n') p α 36-Kr-84
Cross Section -100.0 To 664.7 %

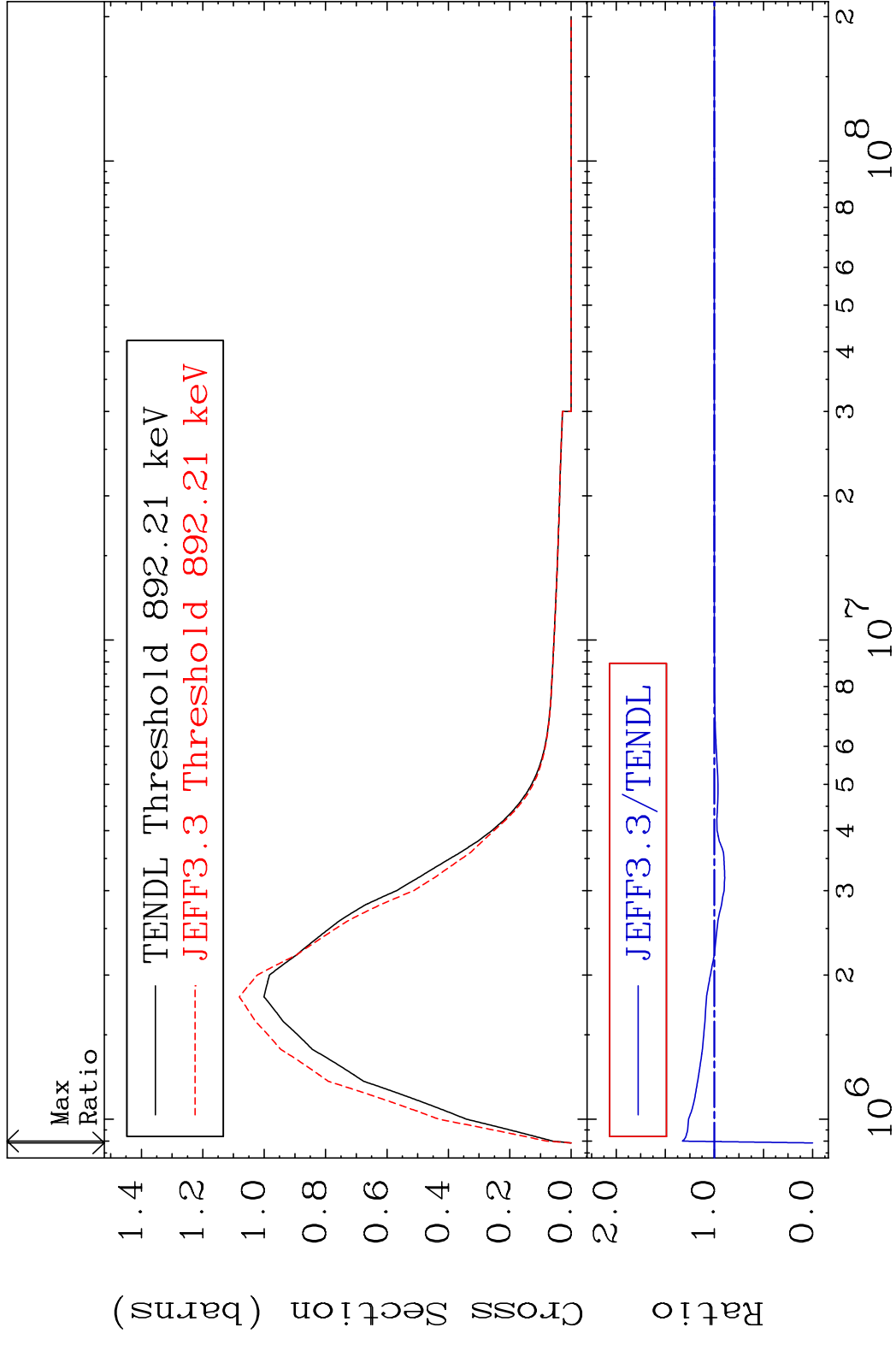


16

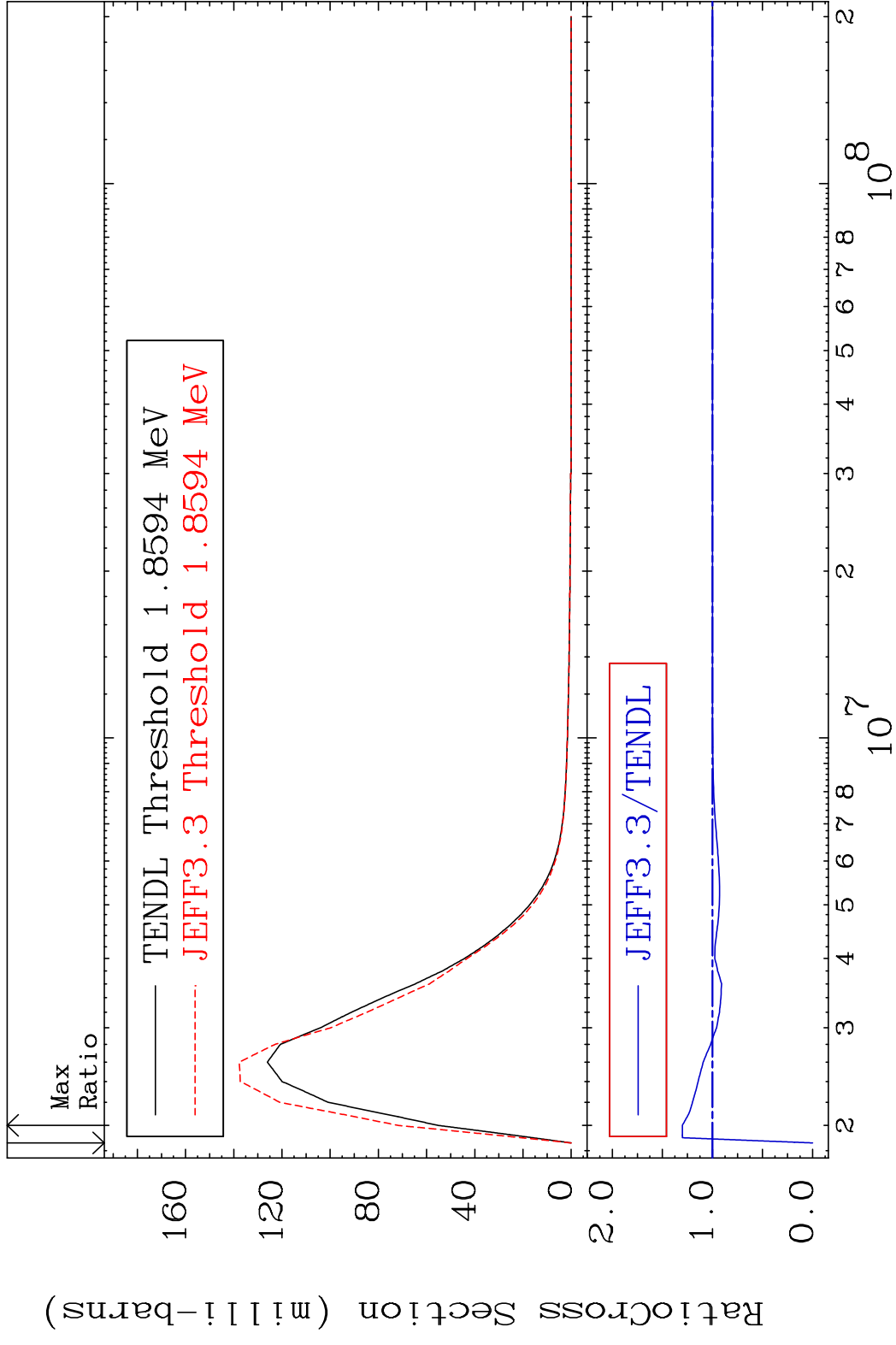
Incident Energy (eV)

36-Kr-84

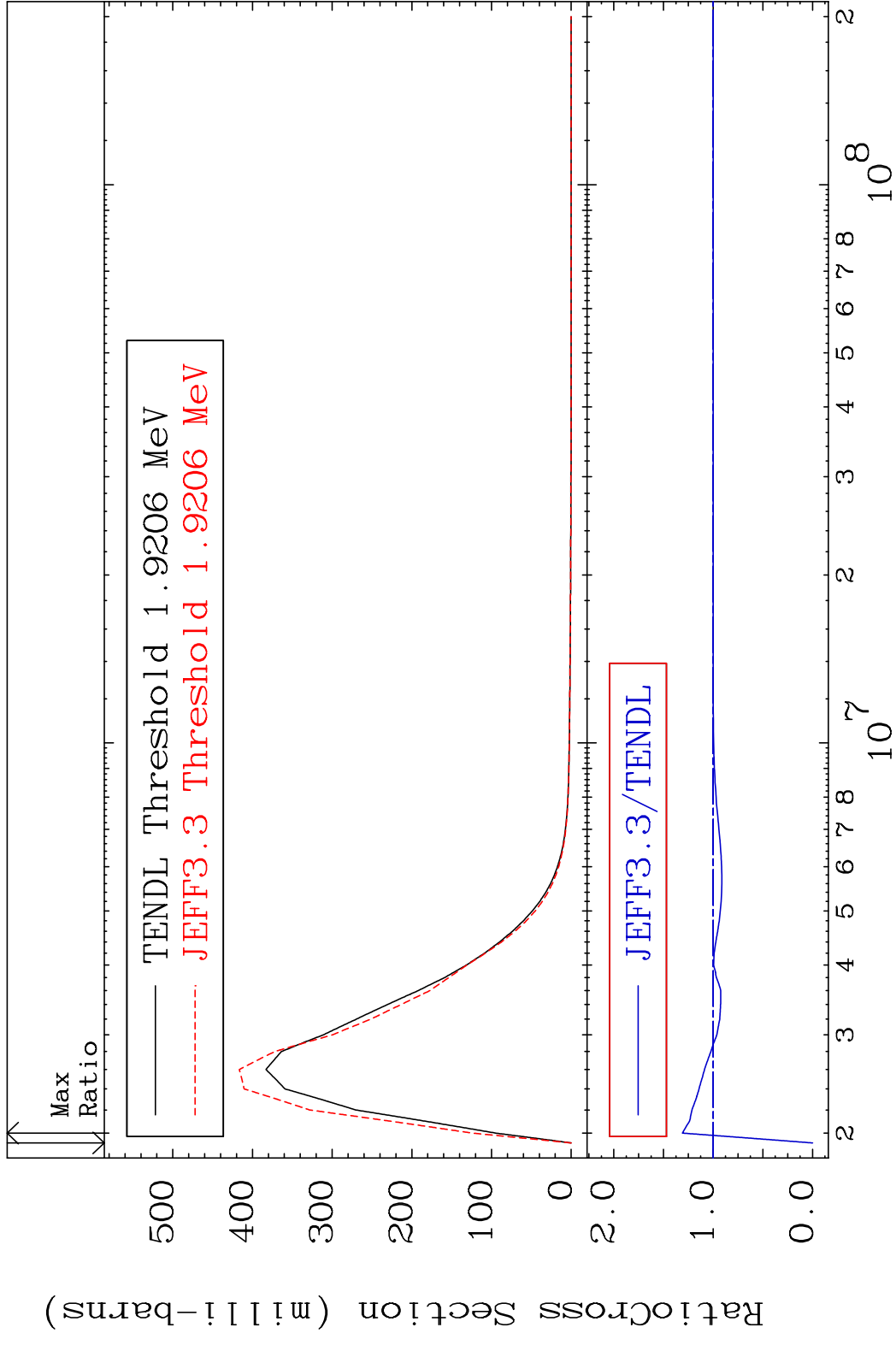
MAT 3643 MT= 51 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 32.60 %



MAT 3643 MT= 52 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 30.07 %



MAT 3643 MT= 53 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 31.00 %

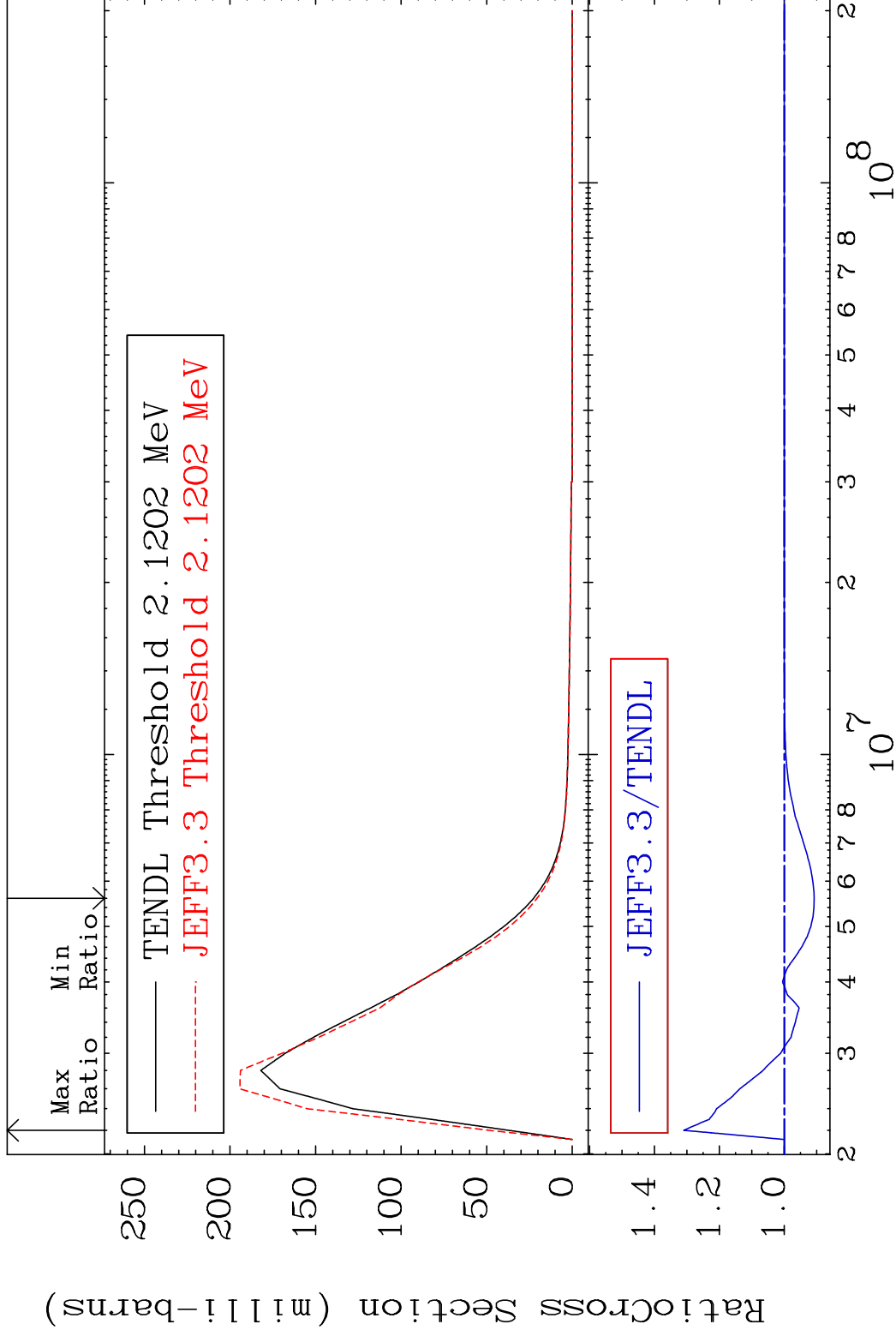


MAT 3643

MT= 54 (n, n') Level

36-Kr-84

Cross Section -9.184 To 31.02 %

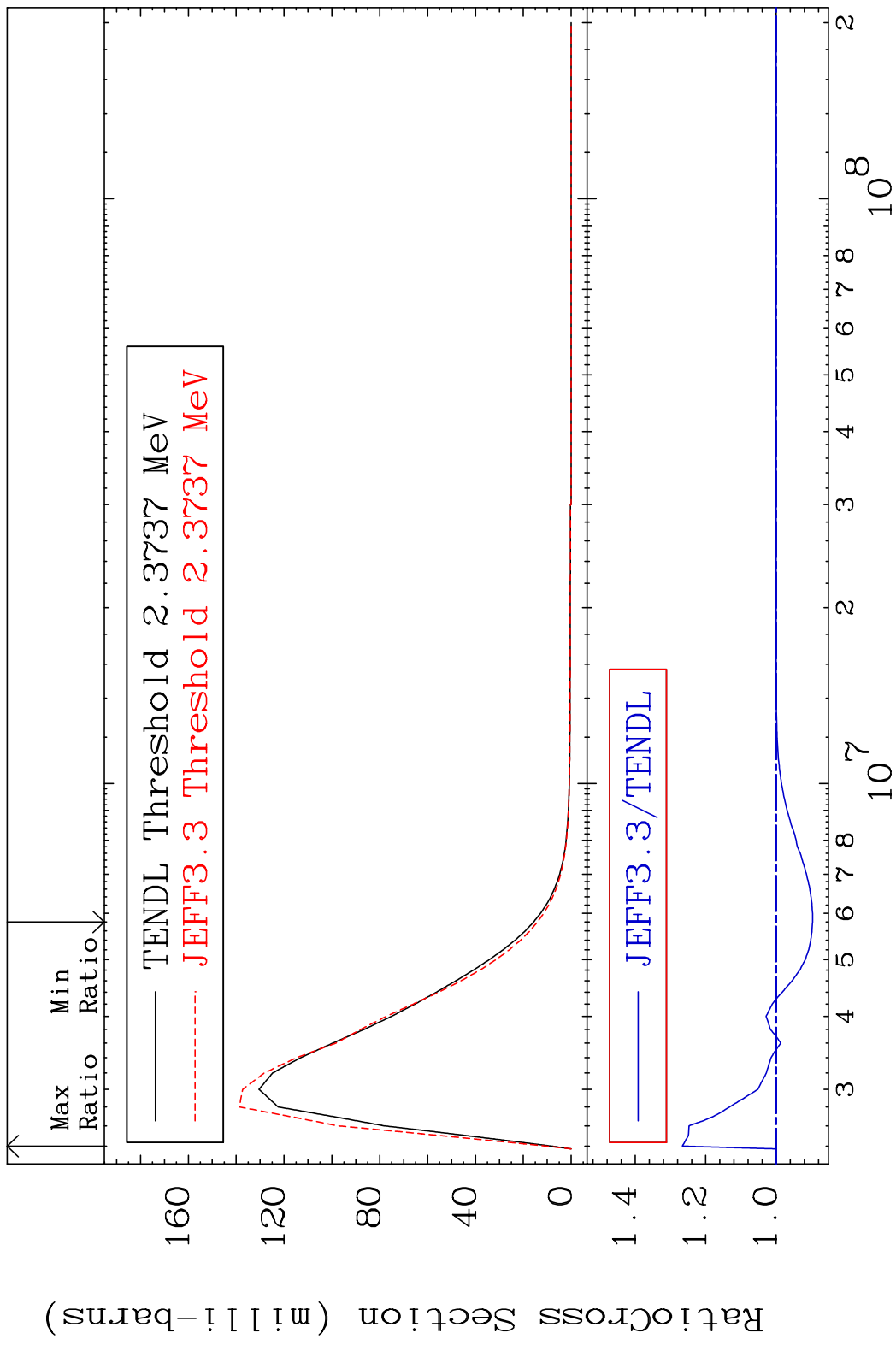


20

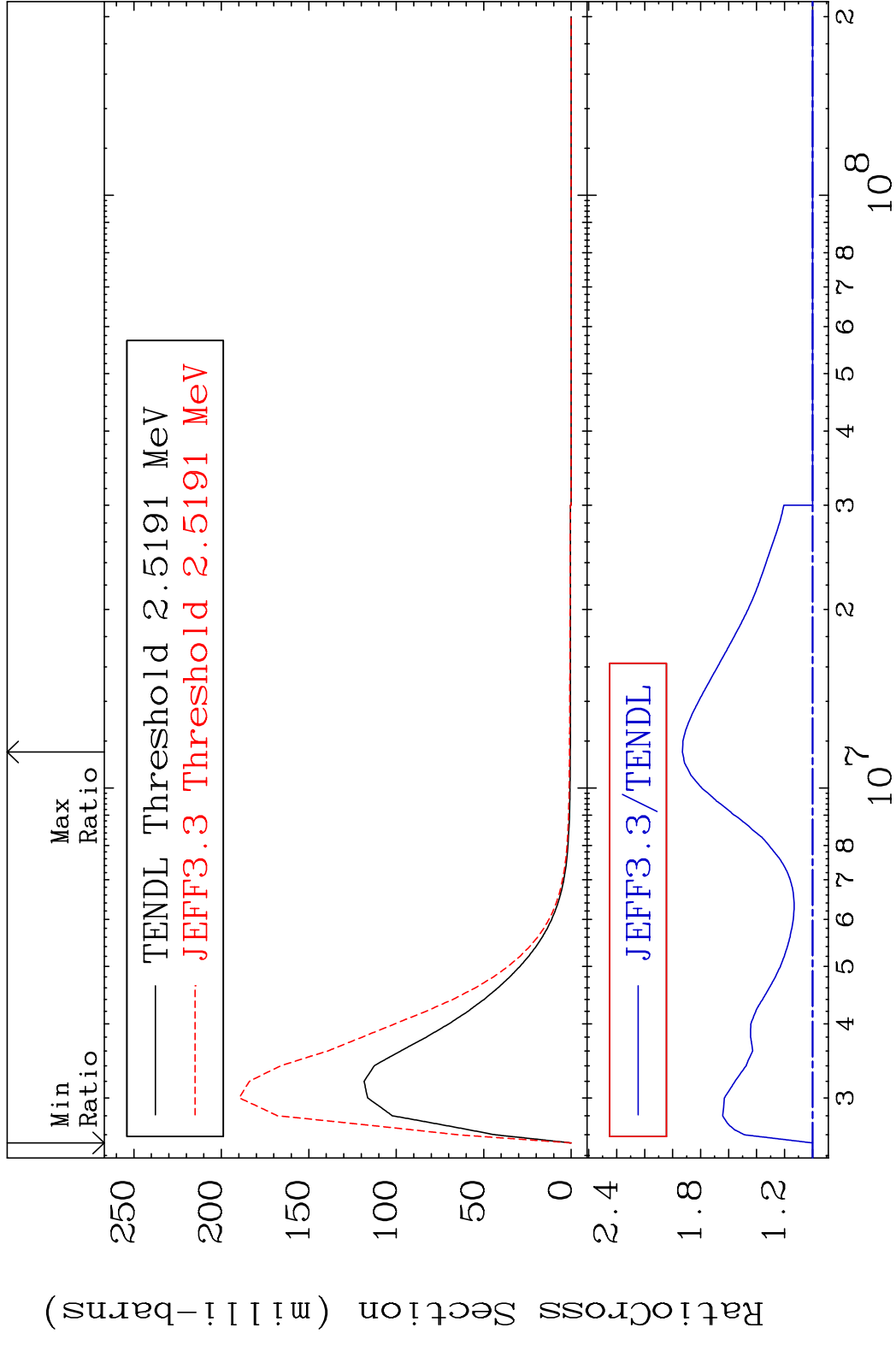
Incident Energy (eV)

36-Kr-84

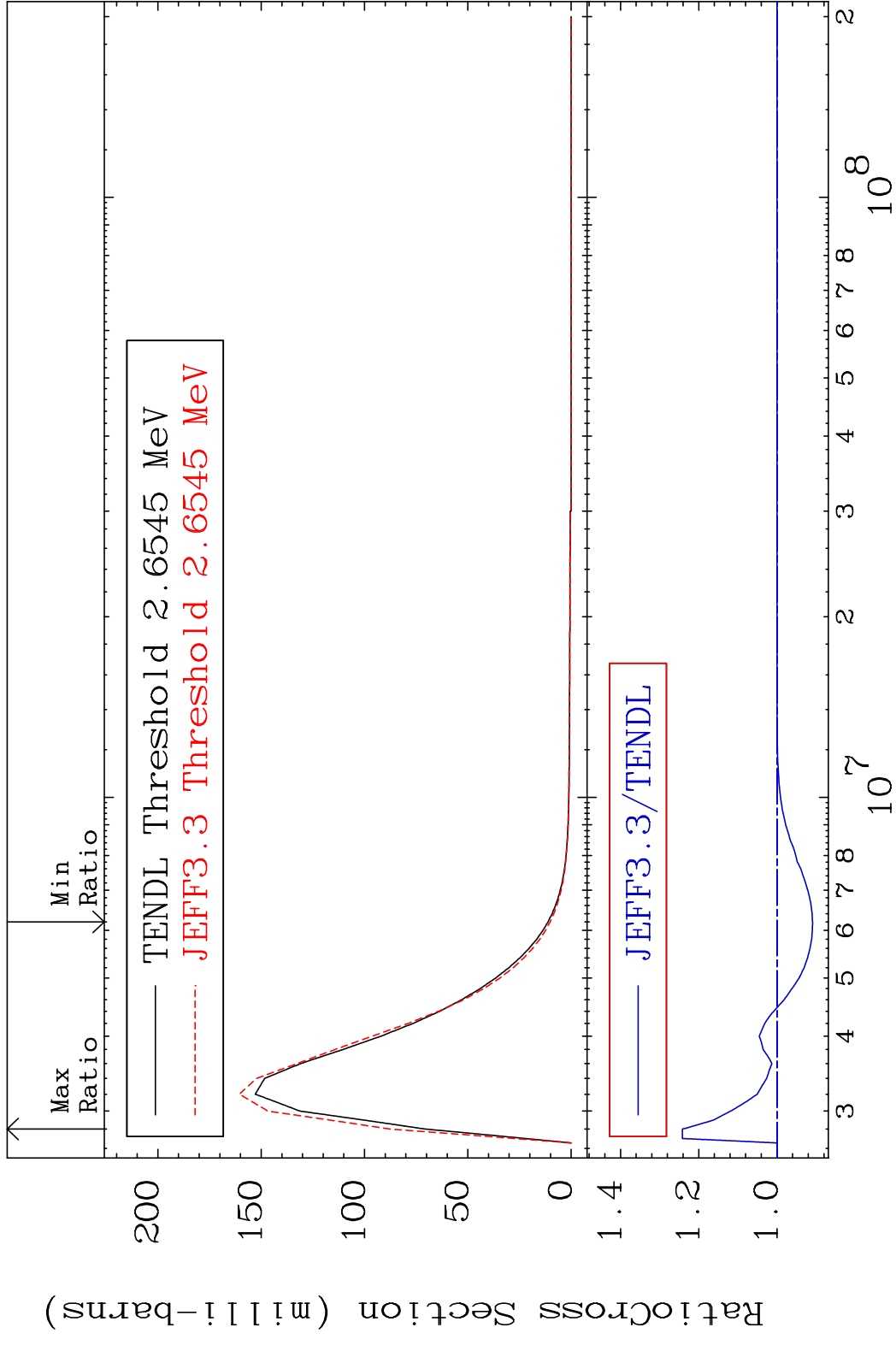
MAT 3643 MT= 55 (n,n') Level 36-Kr-84
 Cross Section -10.31 To 26.63 %



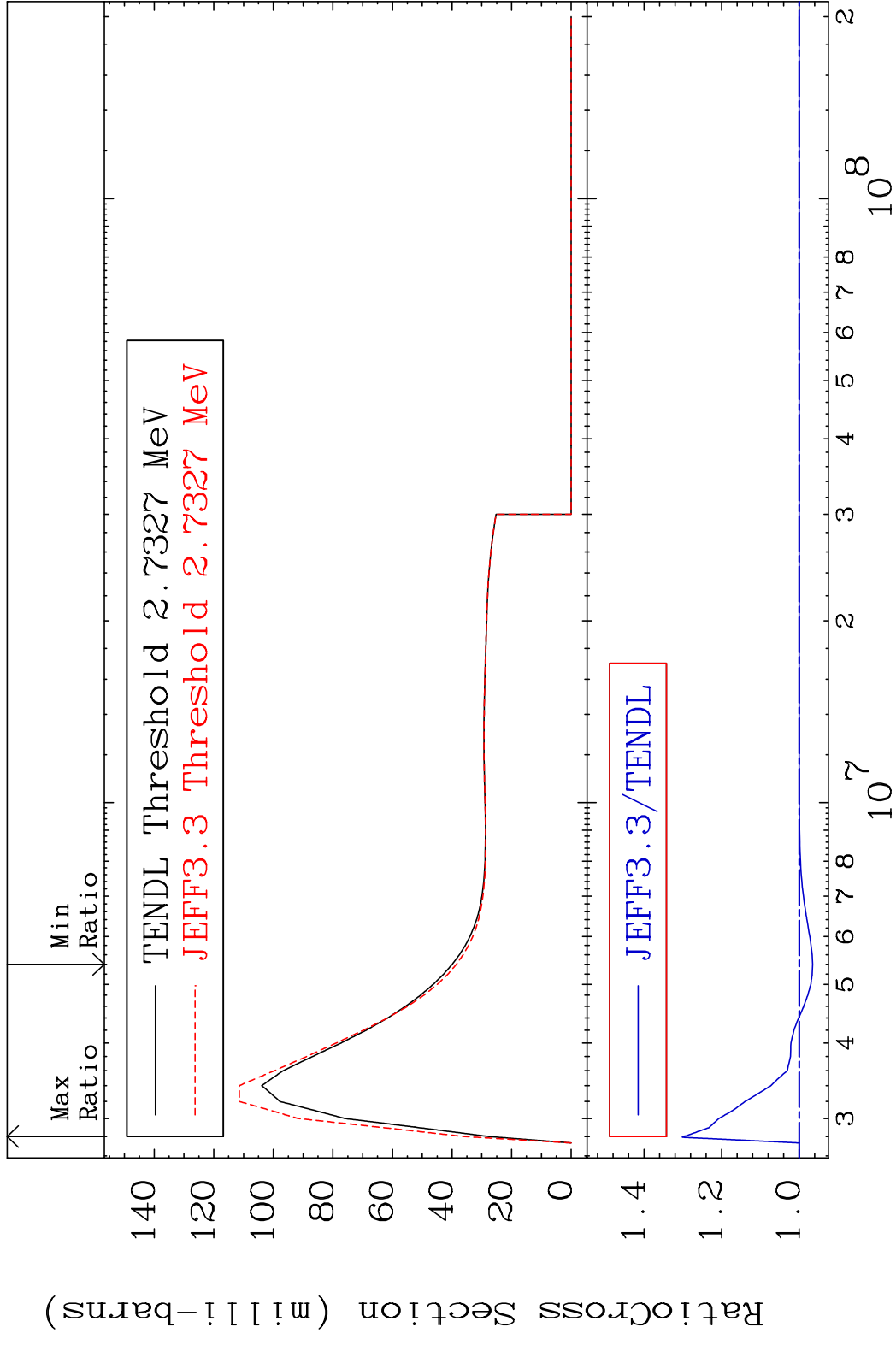
MAT 3643 MT= 56 (n,n') Level 36-Kr-84
 Cross Section 0.000 To 93.06 %



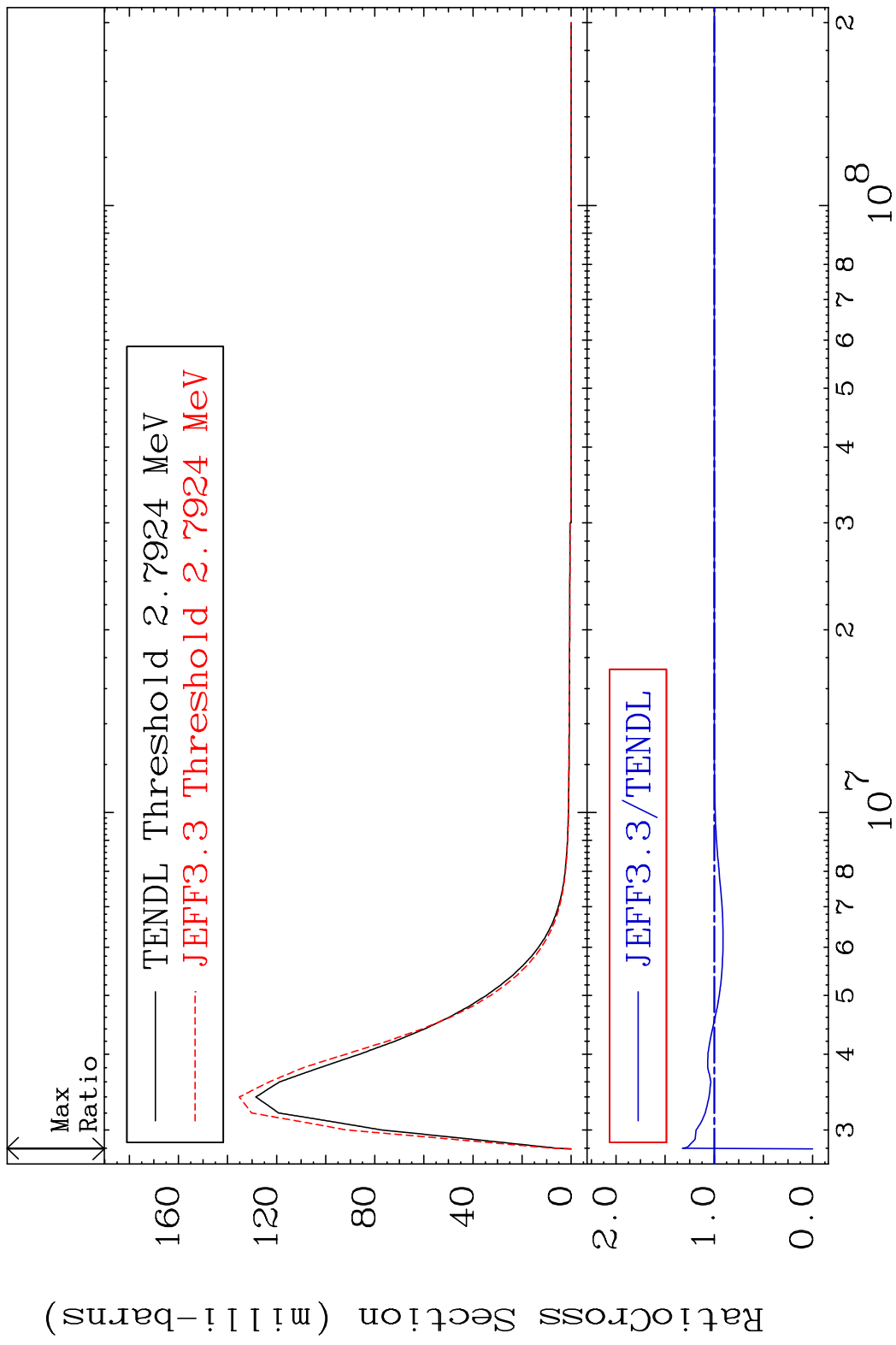
MAT 3643 MT= 57 (n, n') Level 36-Kr-84
 Cross Section -9.100 To 24.19 %



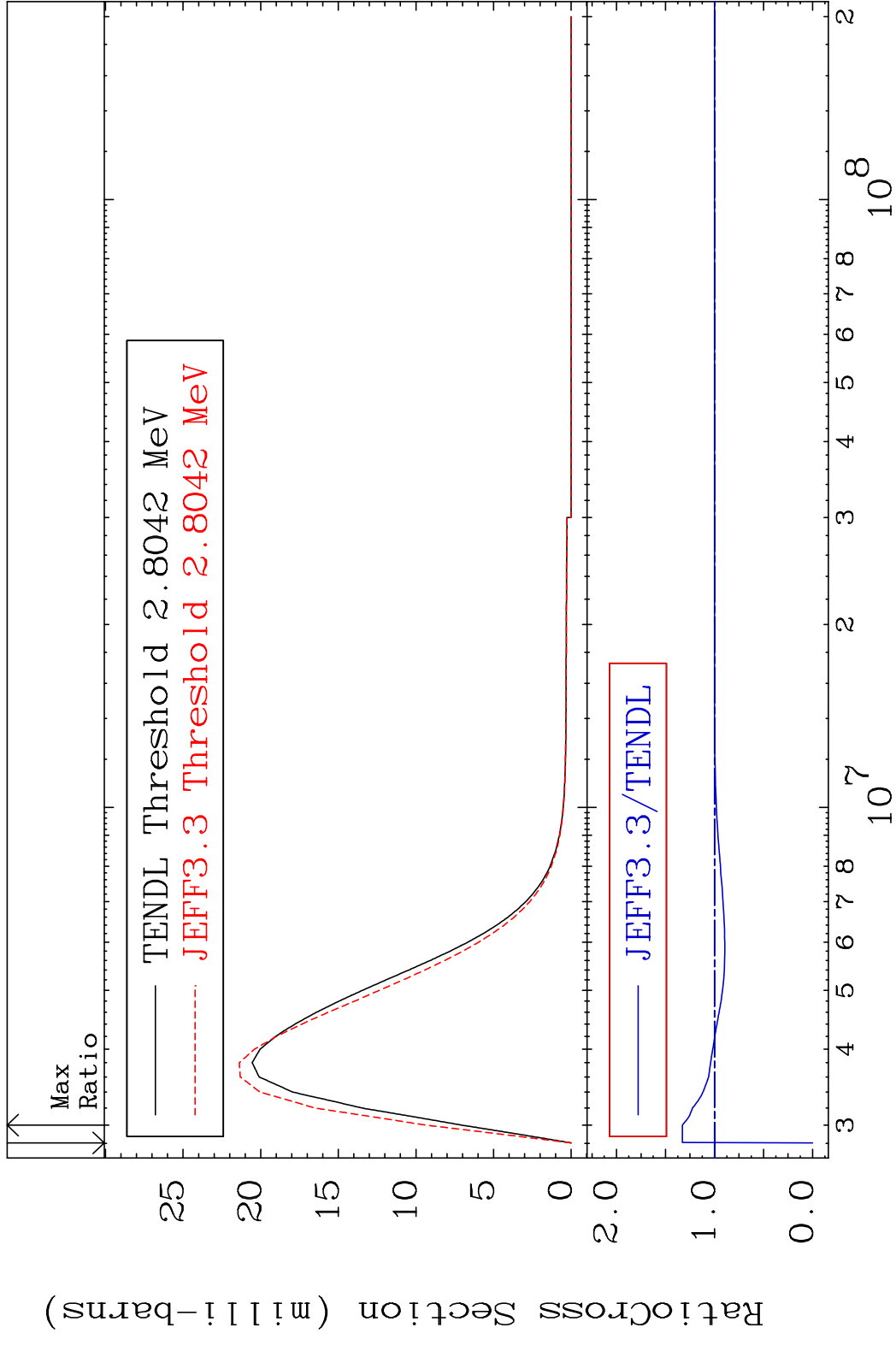
MAT 3643 MT= 58 (n,n') Level 36-Kr-84
 Cross Section -3.476 To 30.11 %



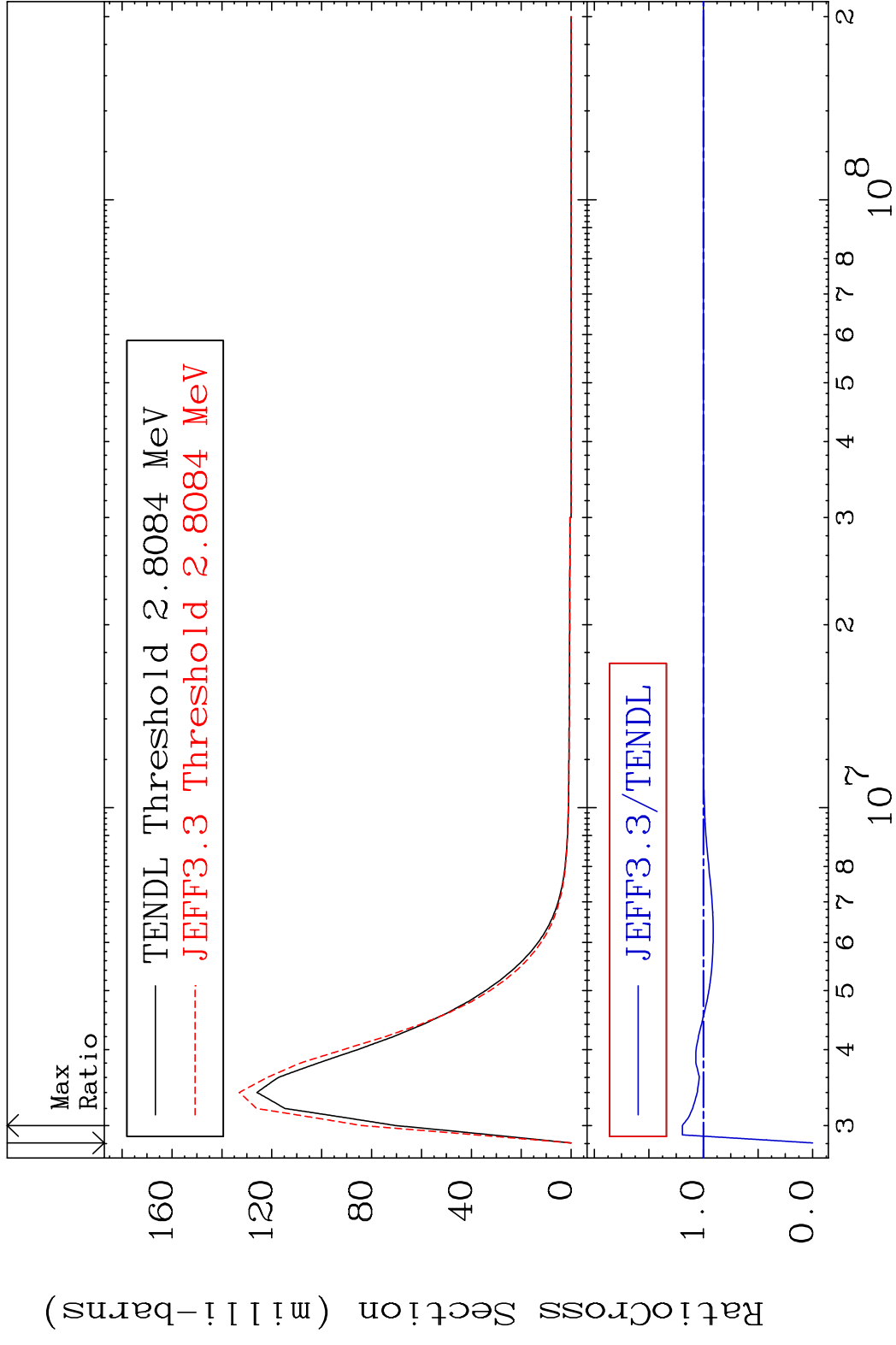
MAT 3643 MT= 59 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 32.45 %



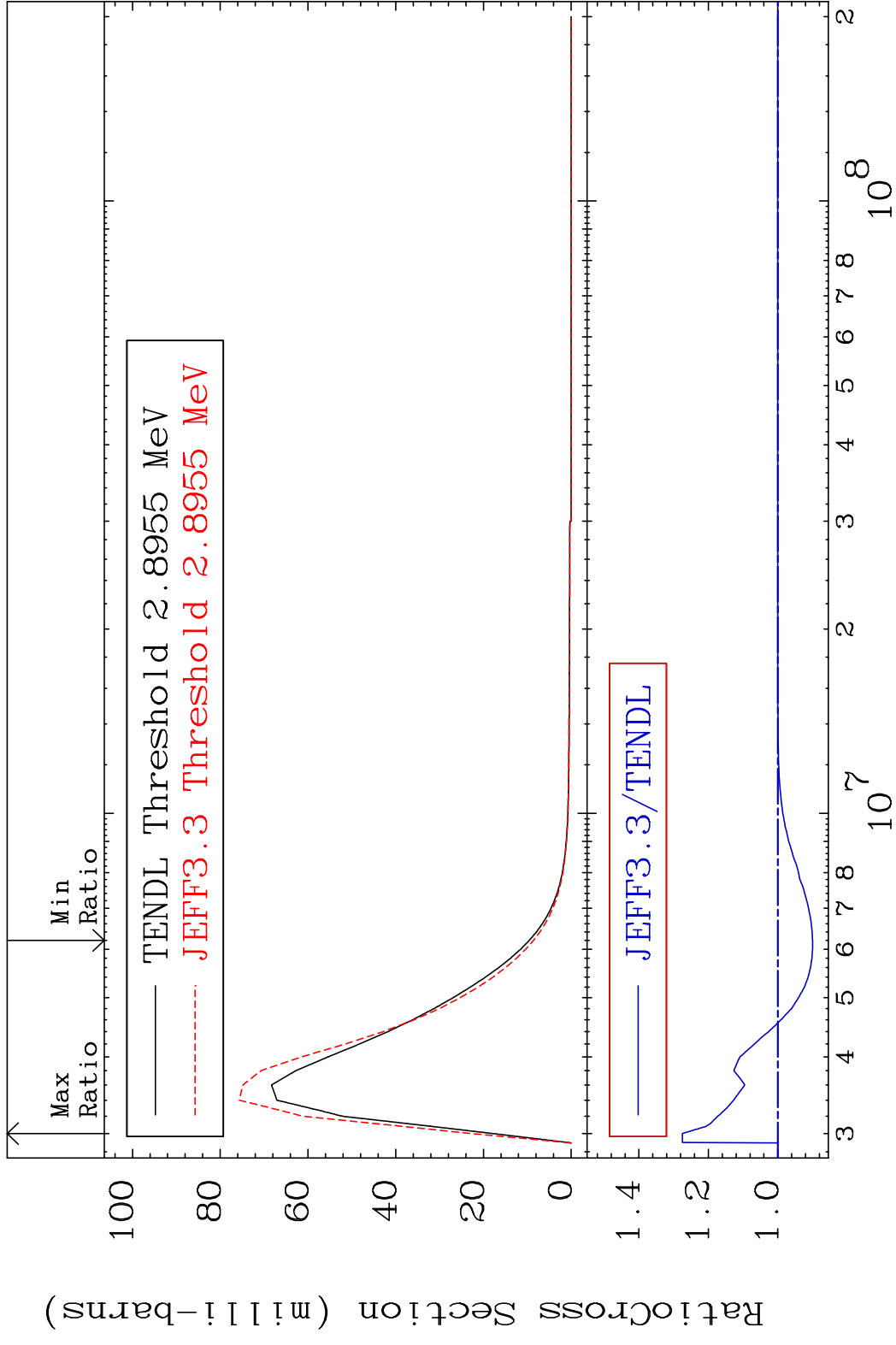
MAT 3643 MT= 60 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 32.81 %



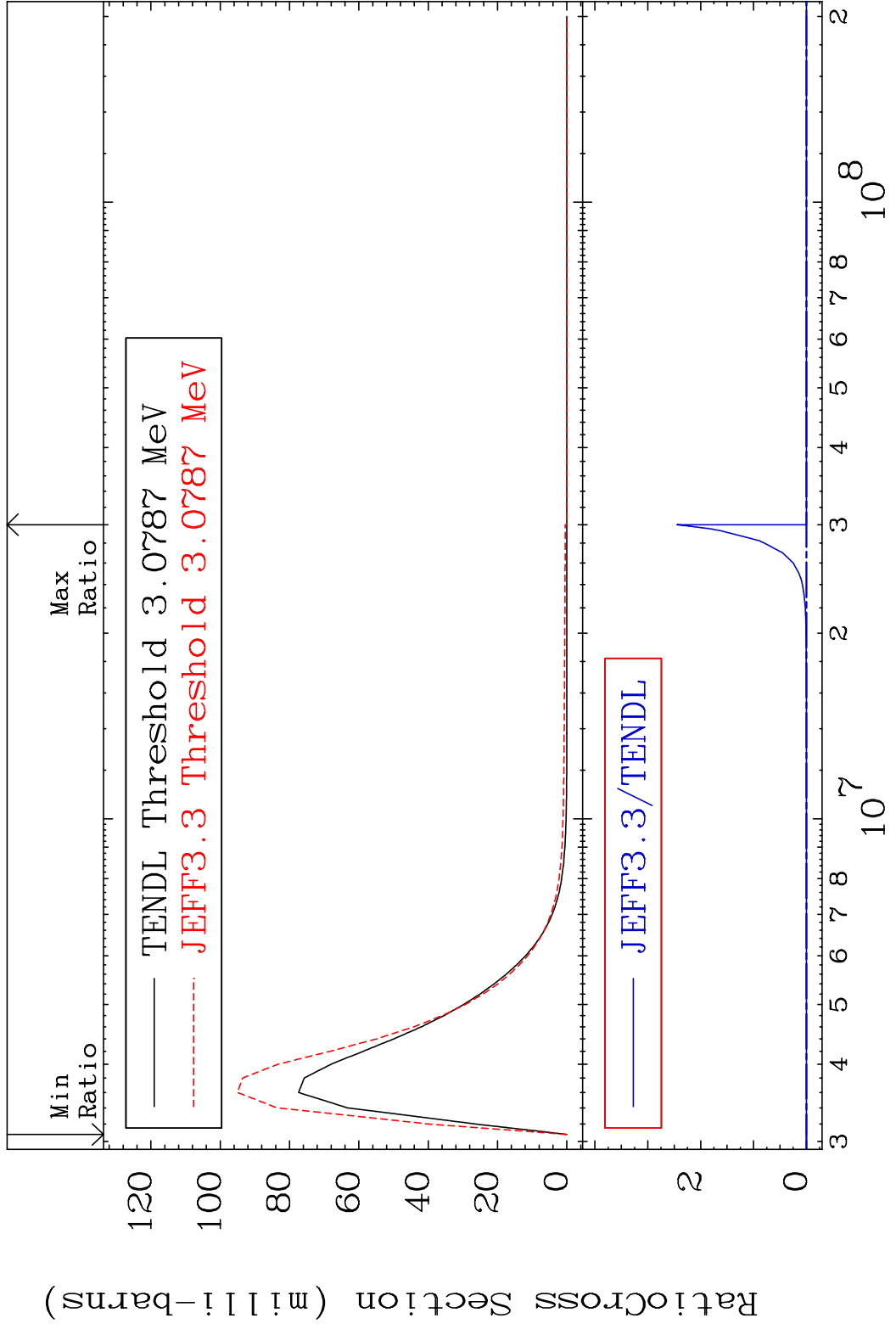
MAT 3643 MT= 61 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 19.31 %



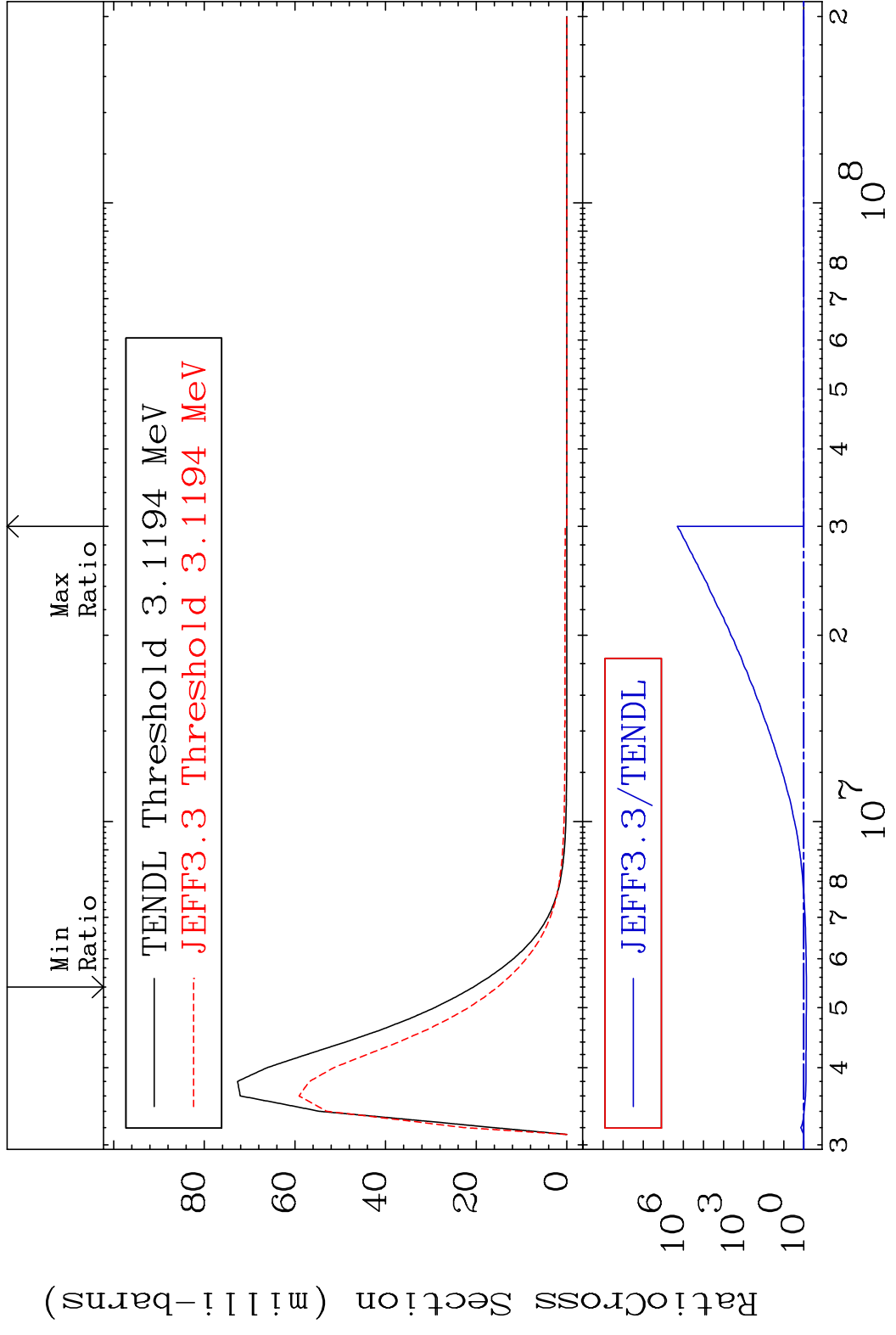
MAT 3643 MT= 62 (n, n') Level 36-Kr-84
 Cross Section -10.01 To 27.49 %



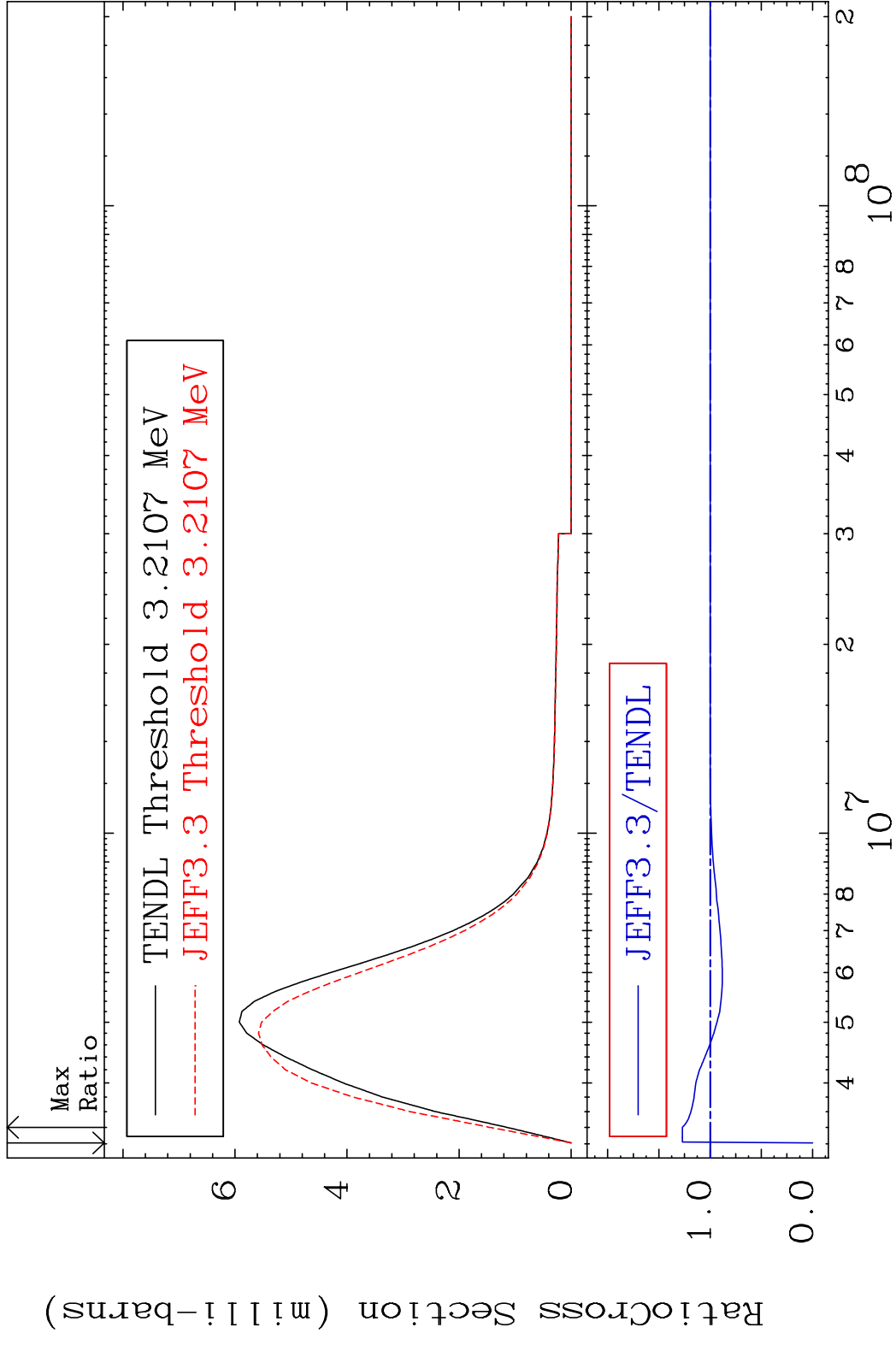
MAT 3643 MT= 63 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 9999. %



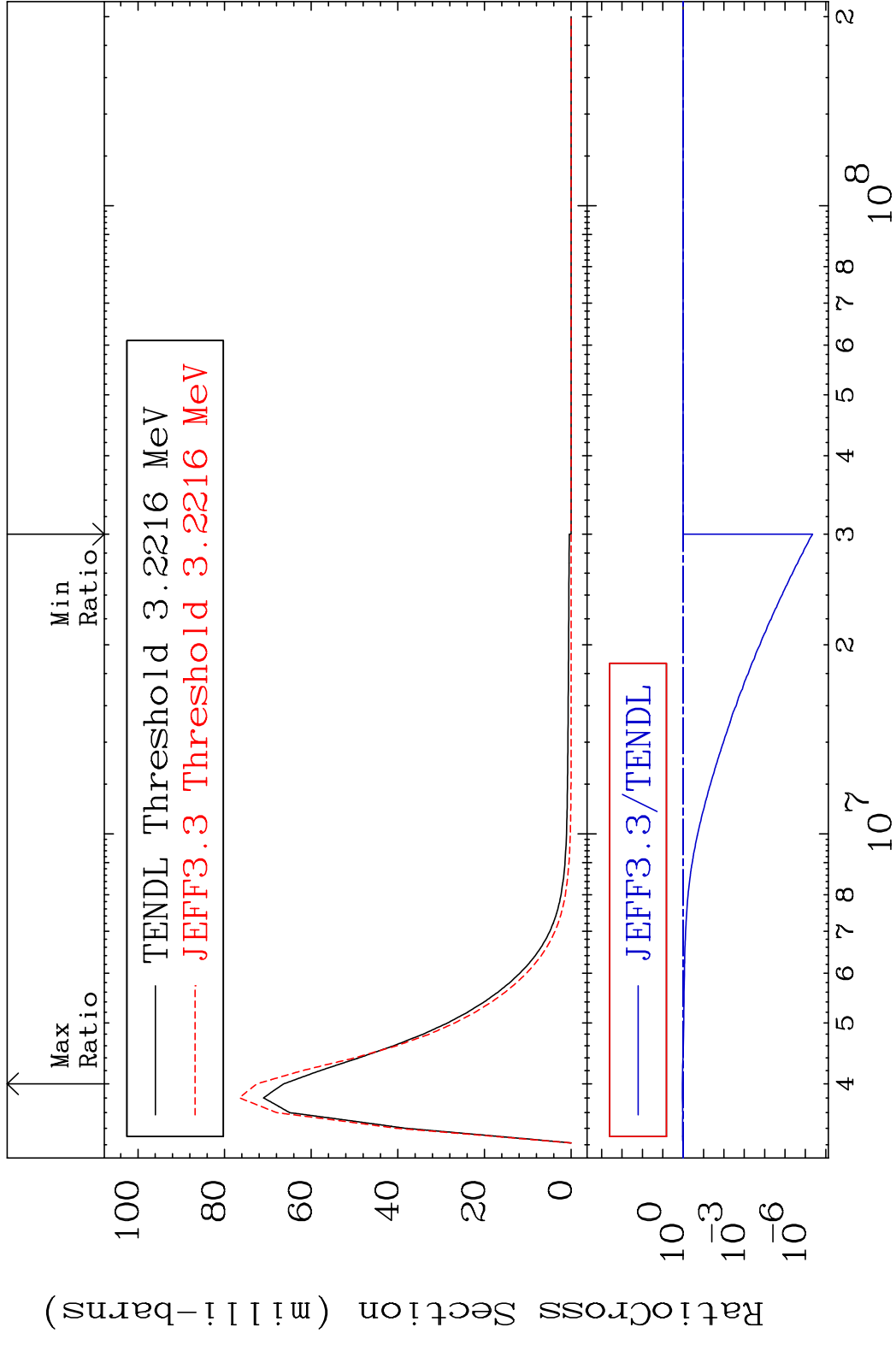
MAT 3643 MT= 64 (n, n') Level 36-Kr-84
 Cross Section -25.97 To 9999. %



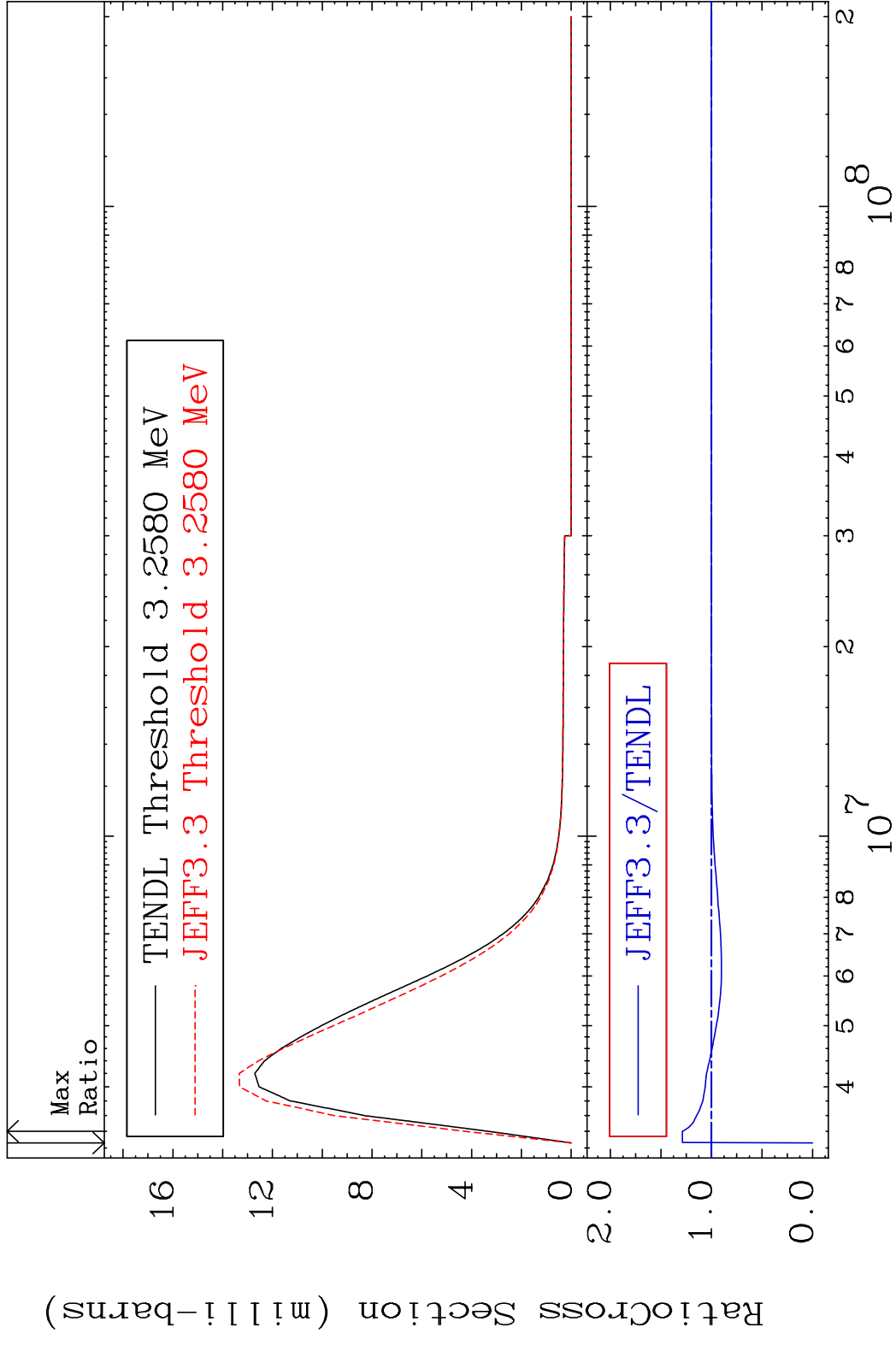
MAT 3643 MT= 65 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 27.10 %



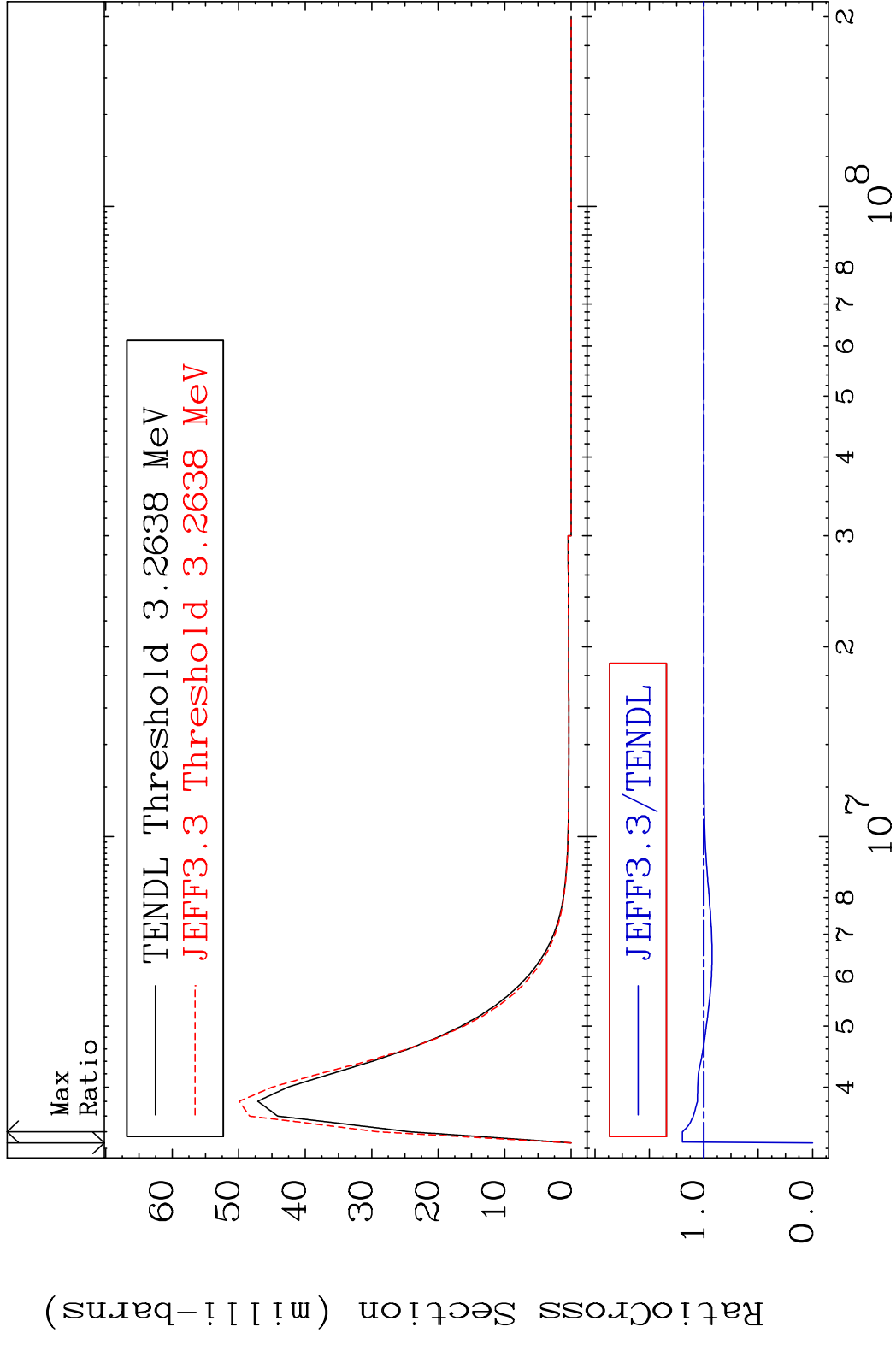
MAT 3643 MT= 66 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 9.371 %



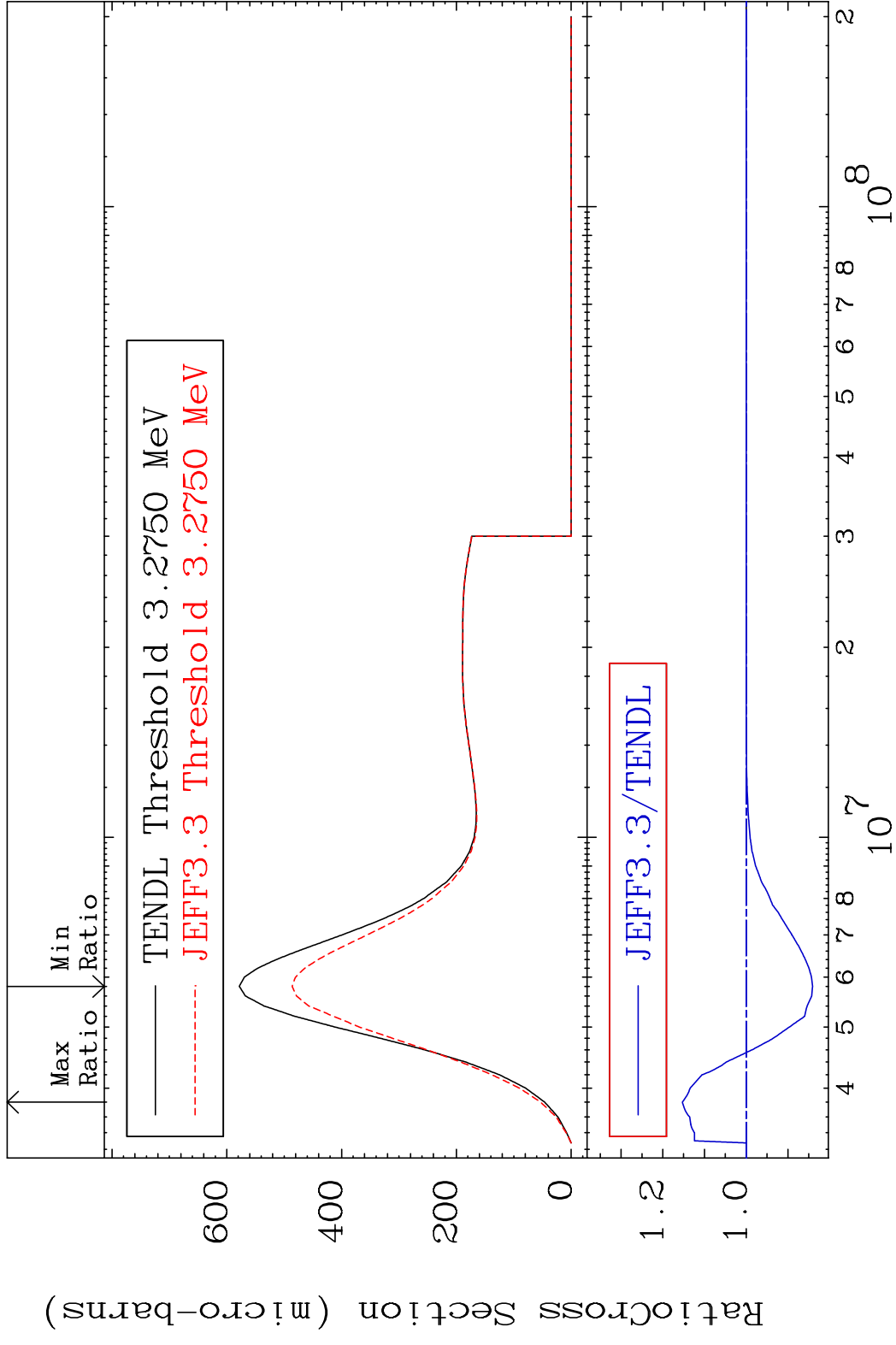
MAT 3643 MT= 67 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 28.79 %



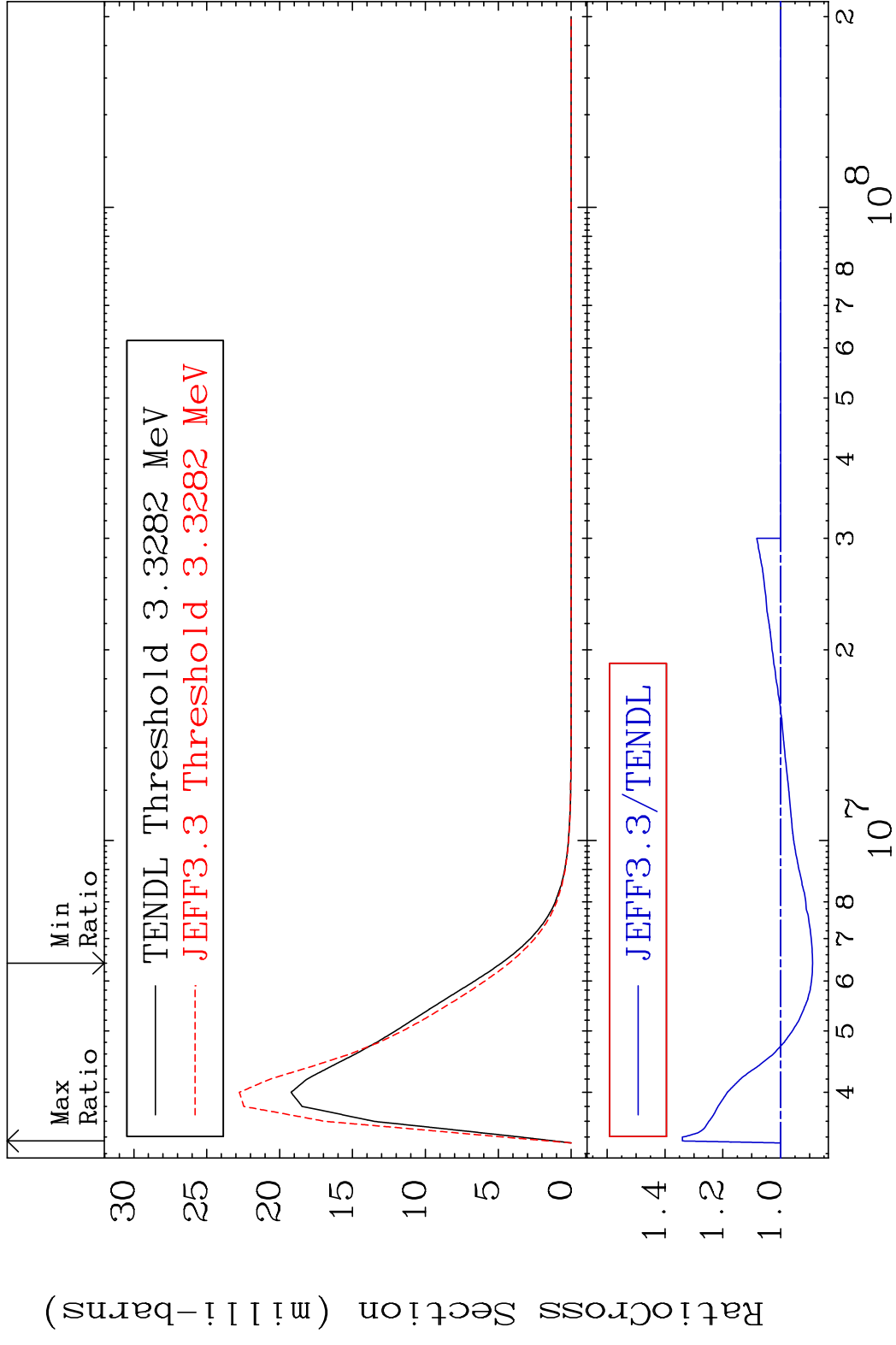
MAT 3643 MT= 68 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 19.69 %



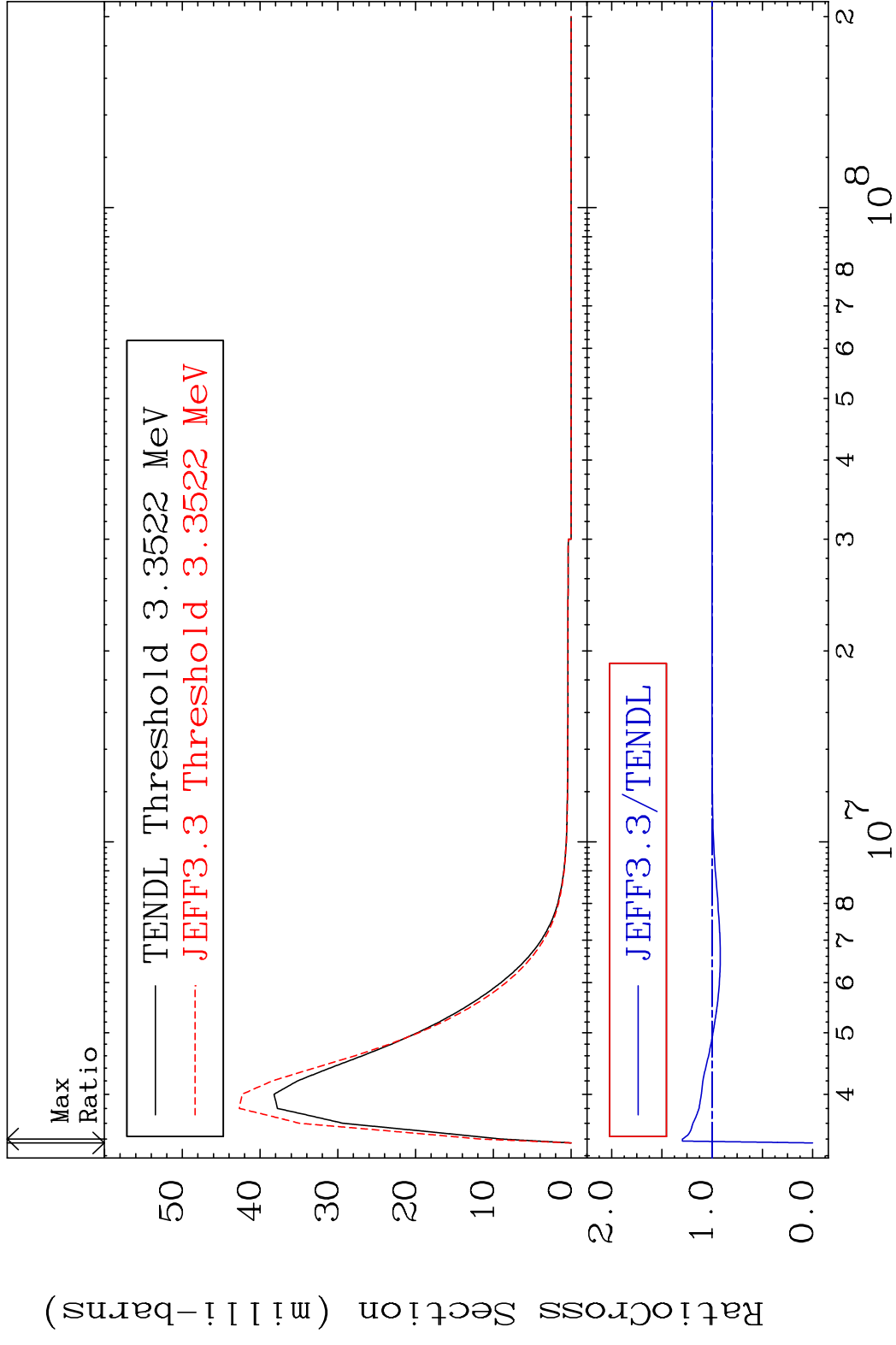
MAT 3643 MT= 69 (n,n') Level 36-Kr-84
 Cross Section -15.90 To 15.31 %



MAT 3643 MT= 70 (n,n') Level 36-Kr-84
 Cross Section -11.04 To 34.00 %



MAT 3643 MT= 71 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 29.61 %

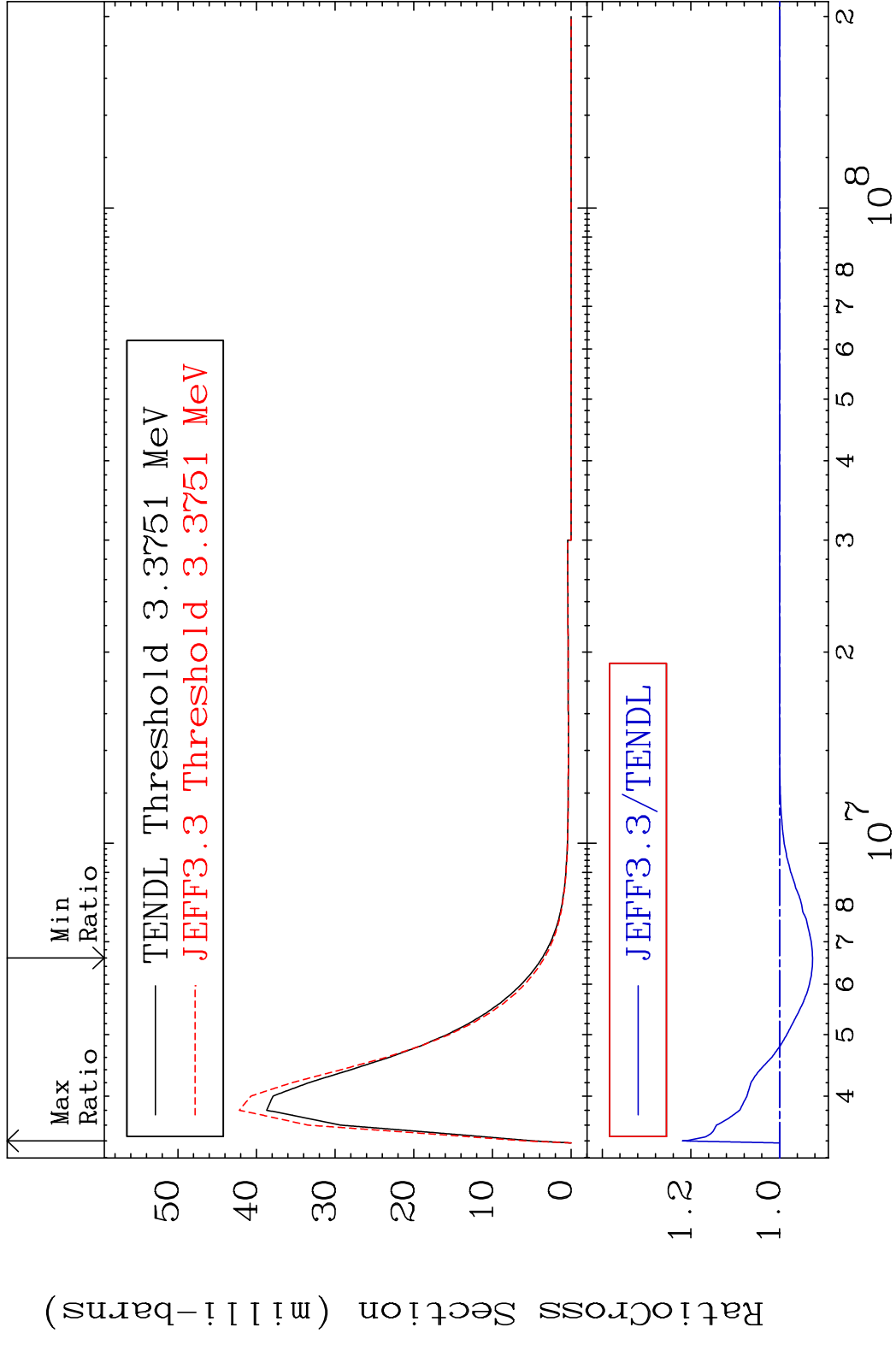


MAT 3643

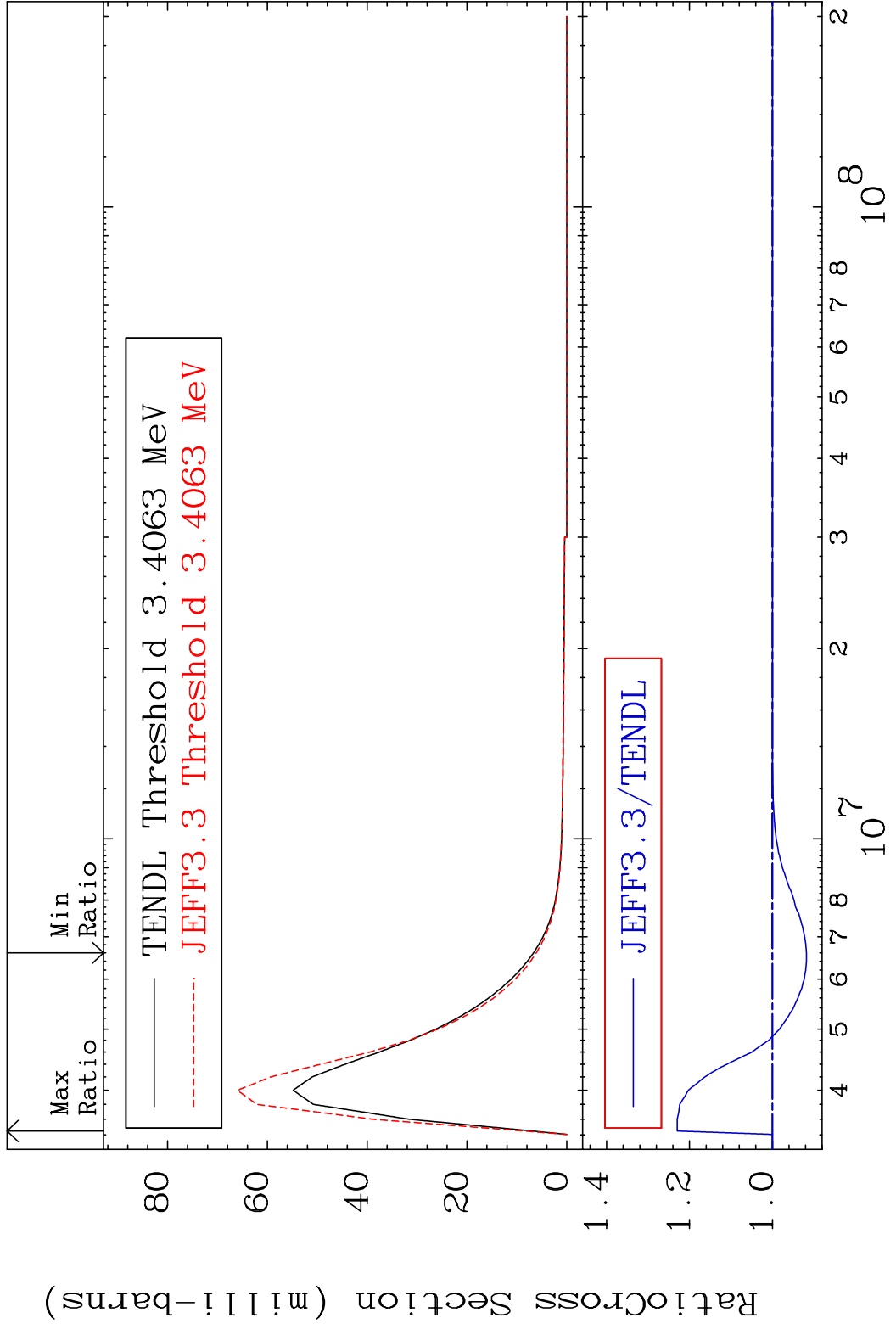
MT= 72 (n, n') Level

36-Kr-84

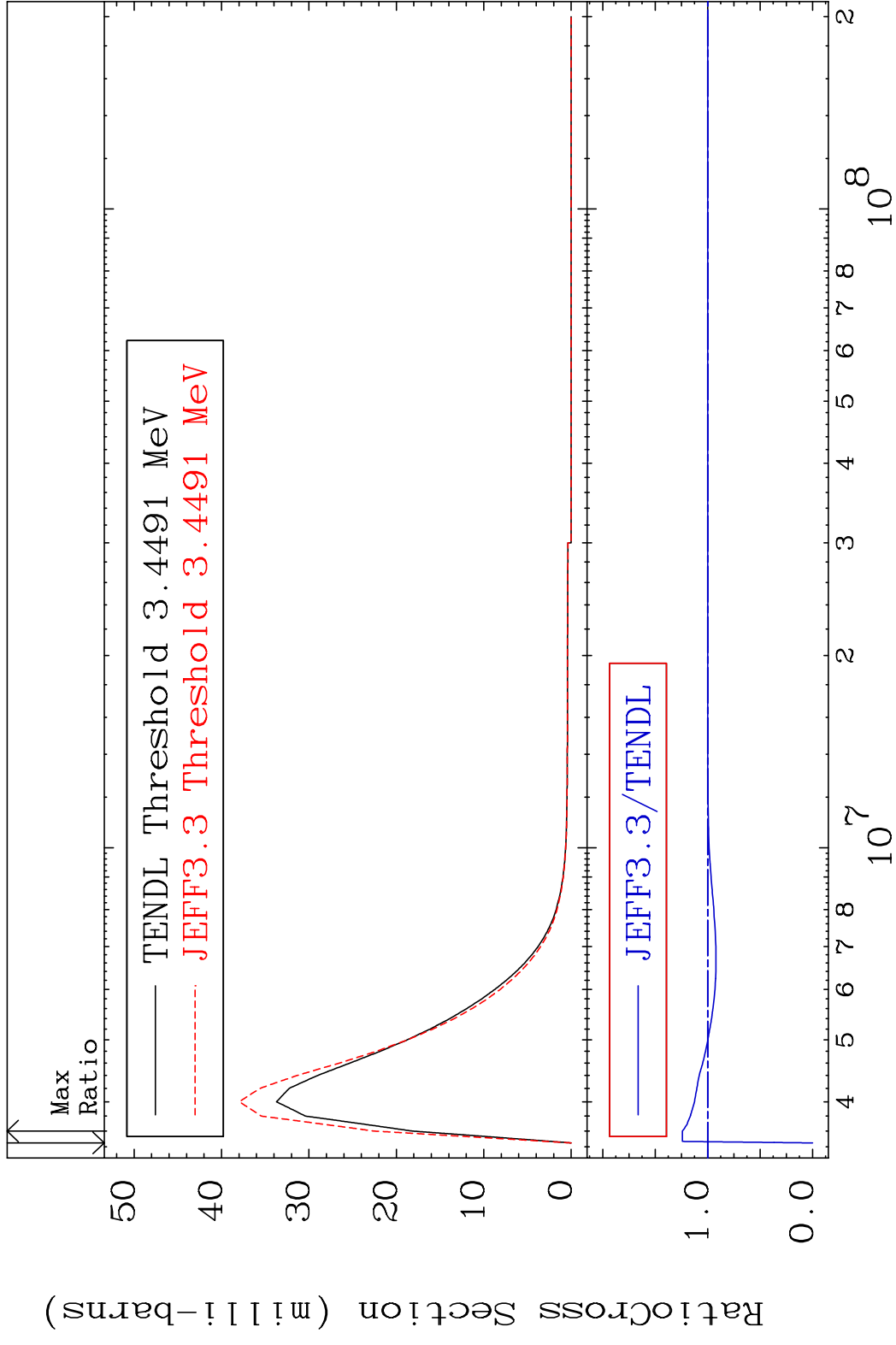
Cross Section -7.449 To 21.93 %



MAT 3643 MT= 73 (n, n') Level 36-Kr-84
 Cross Section -8.198 To 22.98 %



MAT 3643 MT= 74 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 24.14 %



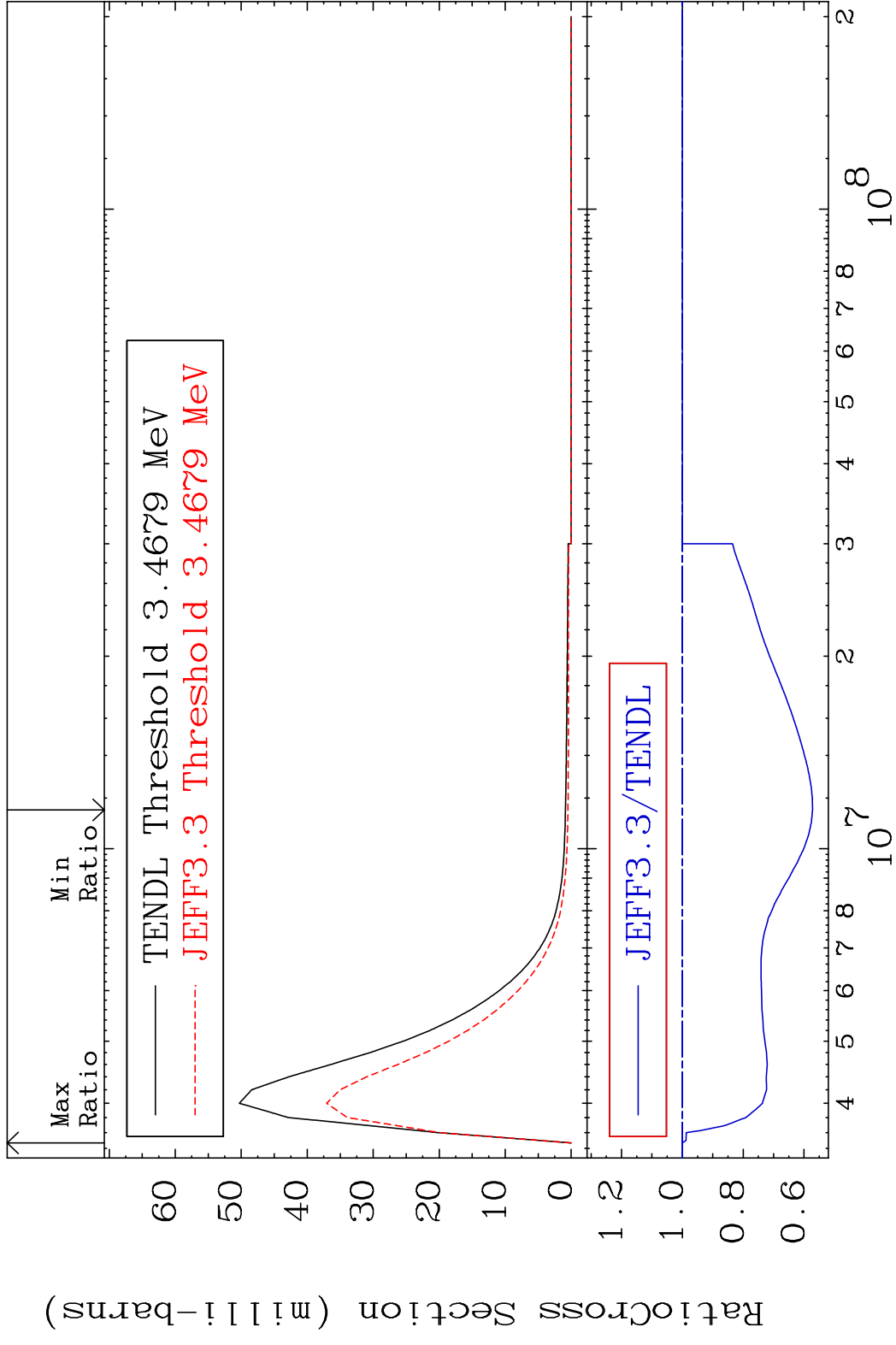
40 40 36-Kr-84

MAT 3643

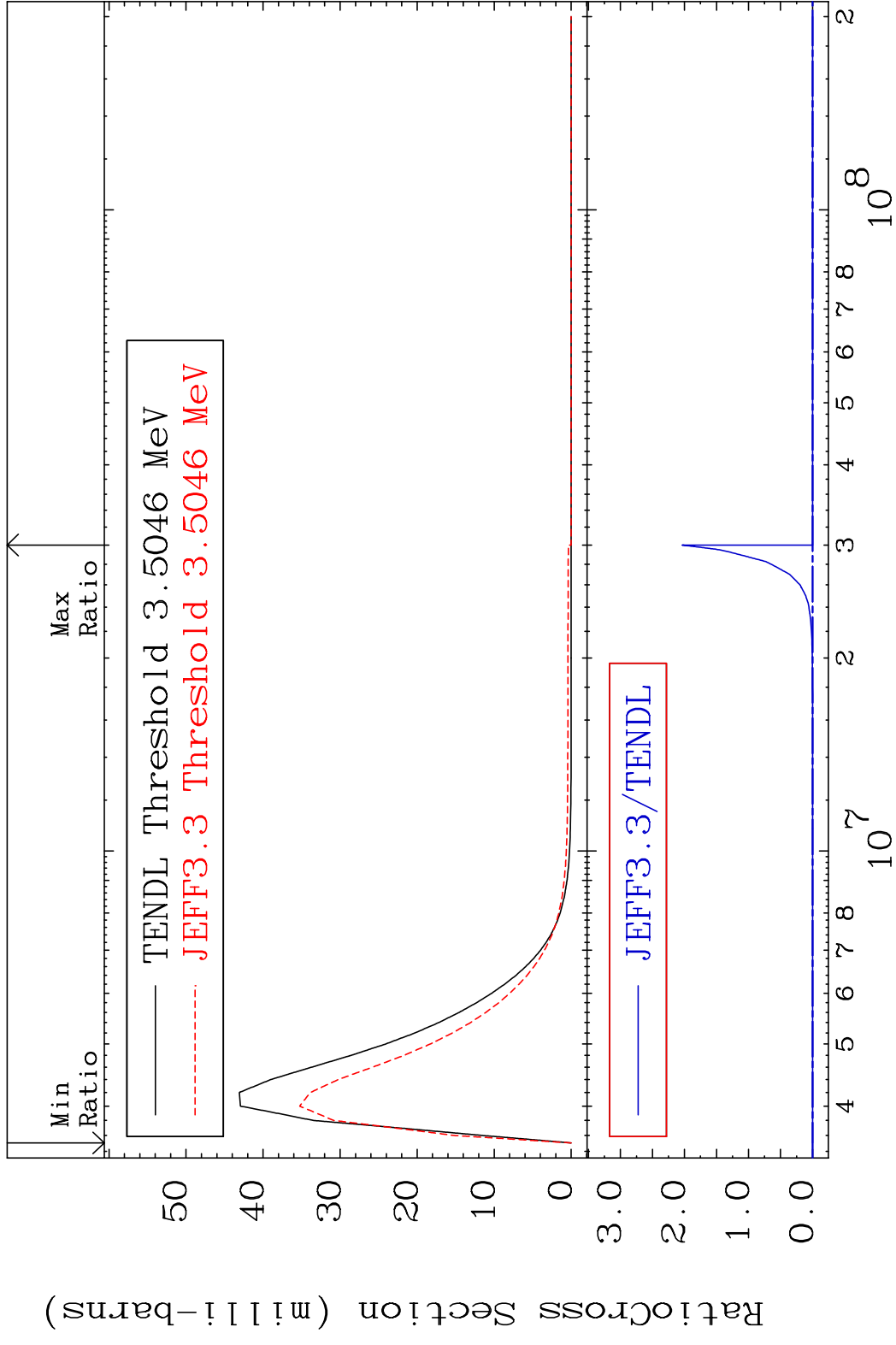
MT= 75 (n,n') Level

36-Kr-84

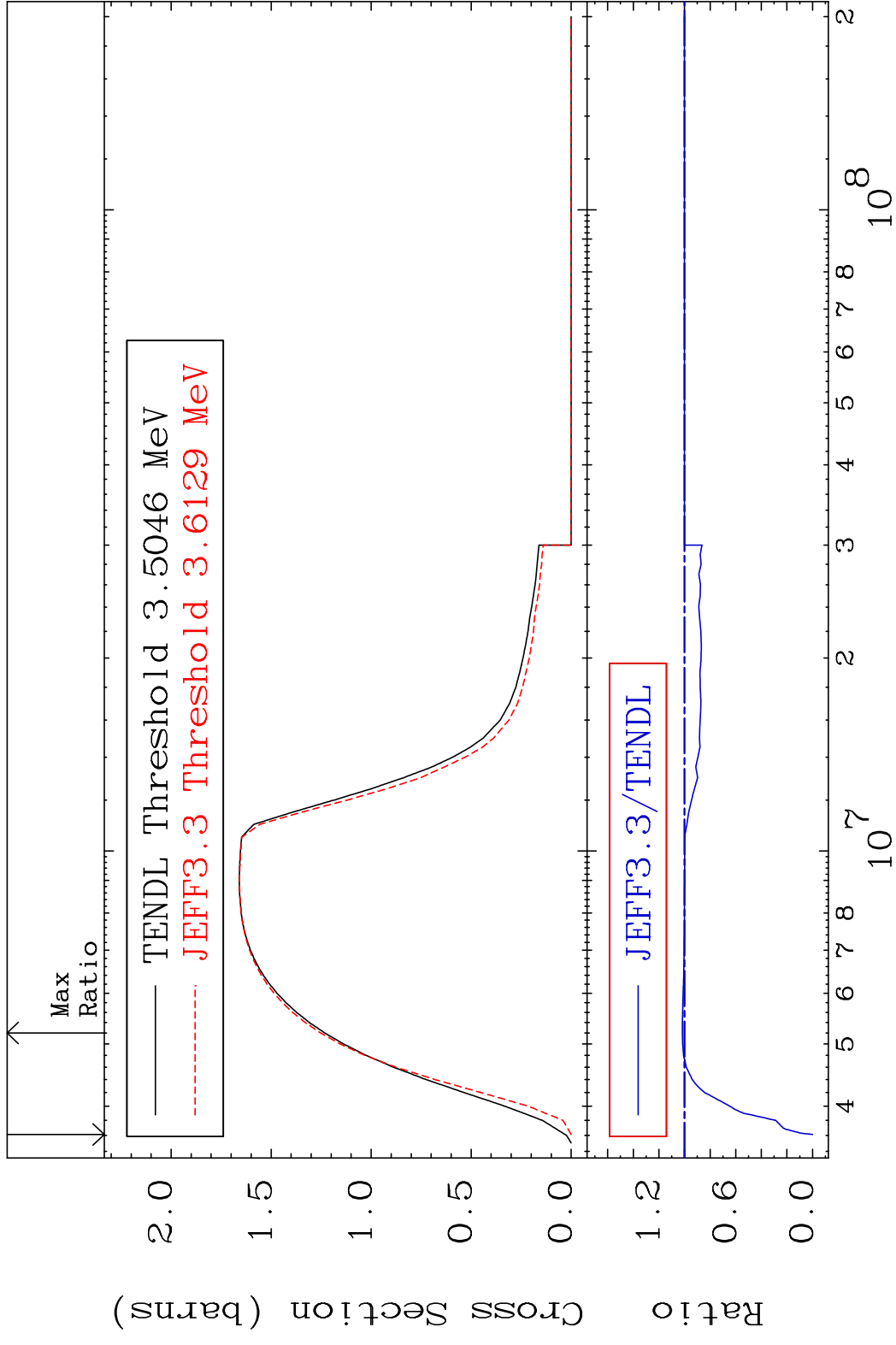
Cross Section -42.81 To 0.000 %



MAT 3643 MT= 76 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 9999. %



MAT 3643 (n,n') Continuum 36-Kr-84
 Cross Section -100.0 To 1.663 %

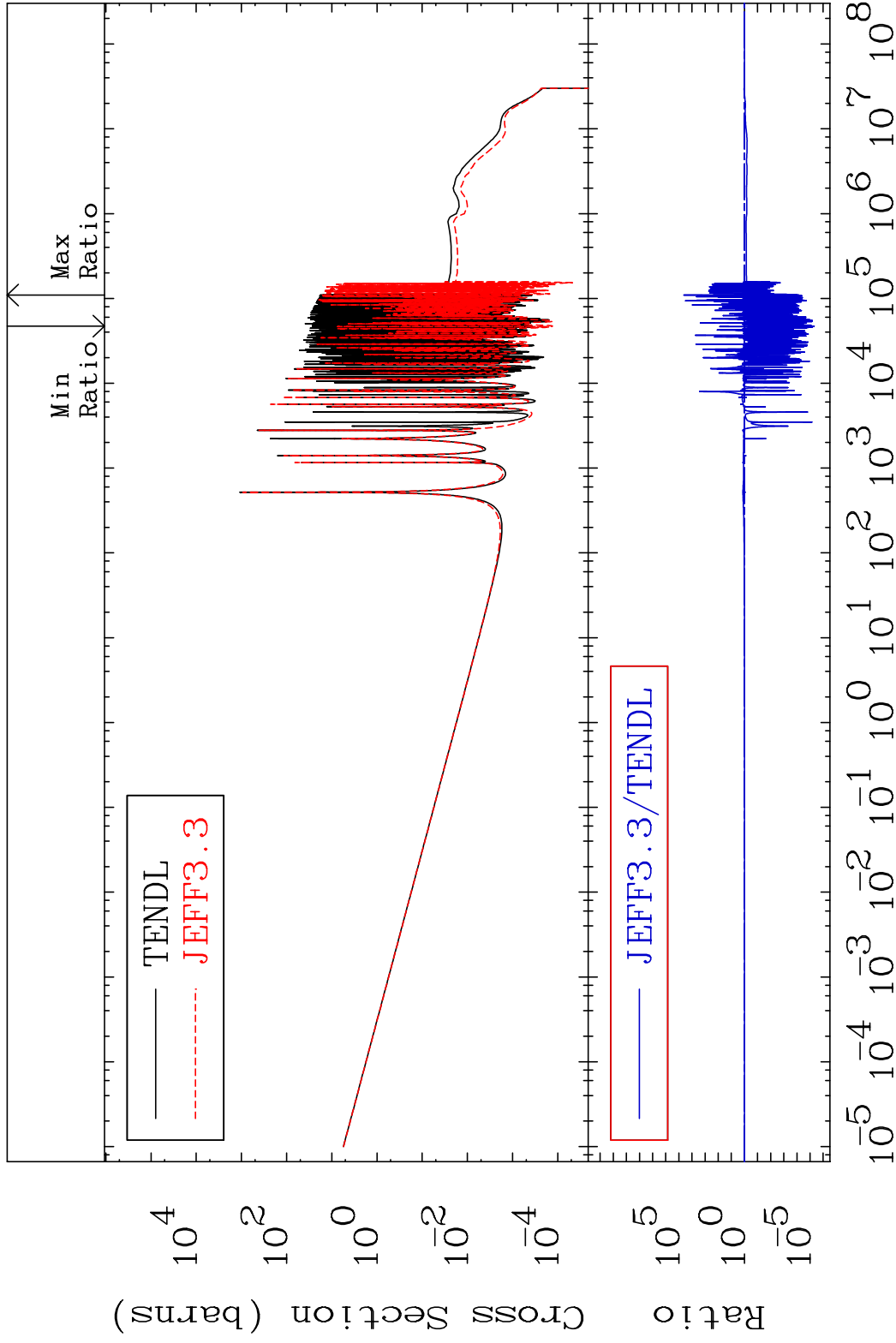


MAT 3643

(n, γ)

36-Kr-84

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

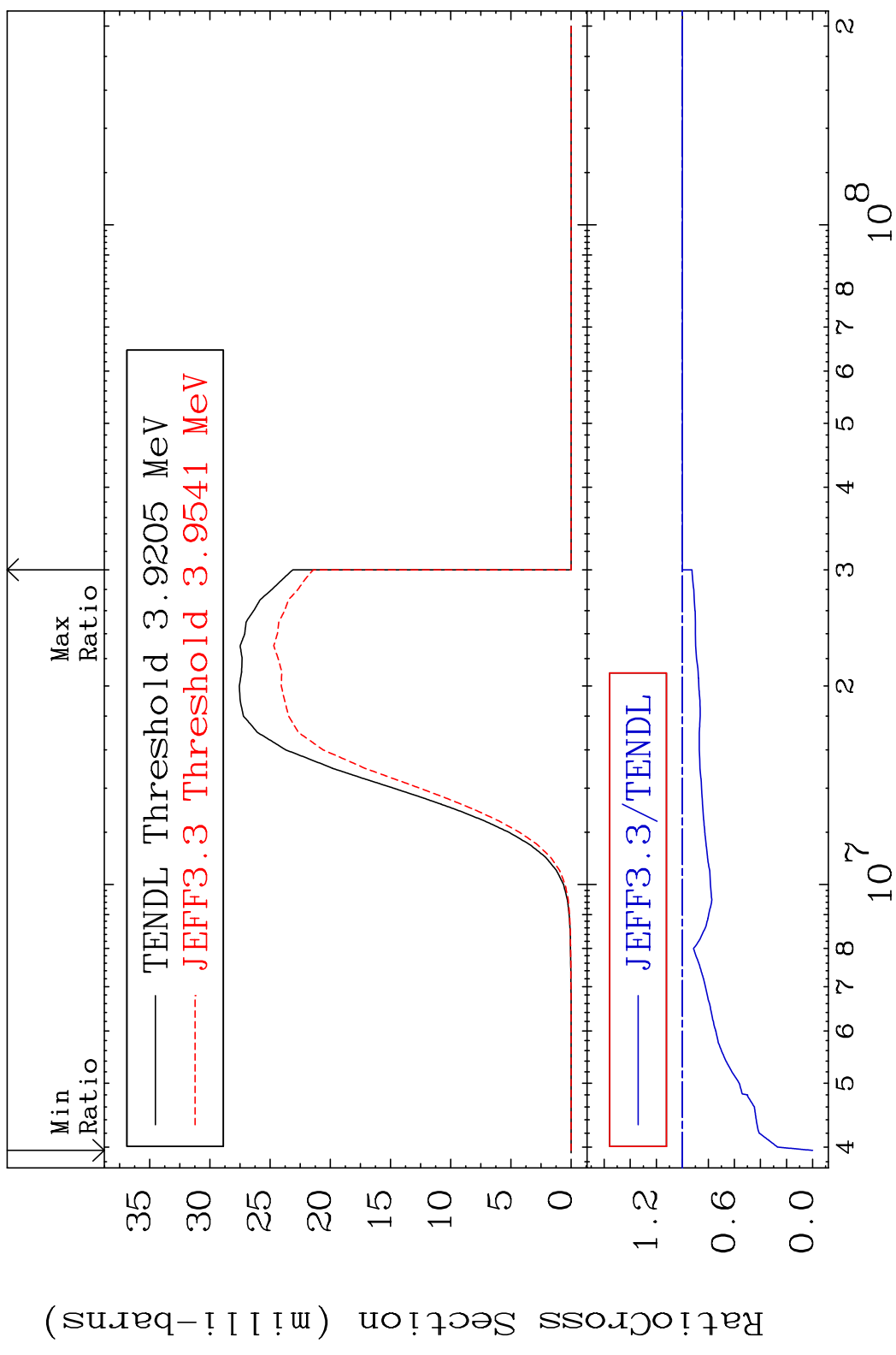
36-Kr-84

MAT 3643

(n,p)

36-Kr-84

Cross Section -100.0 To 0.000 %



45

Incident Energy (eV)

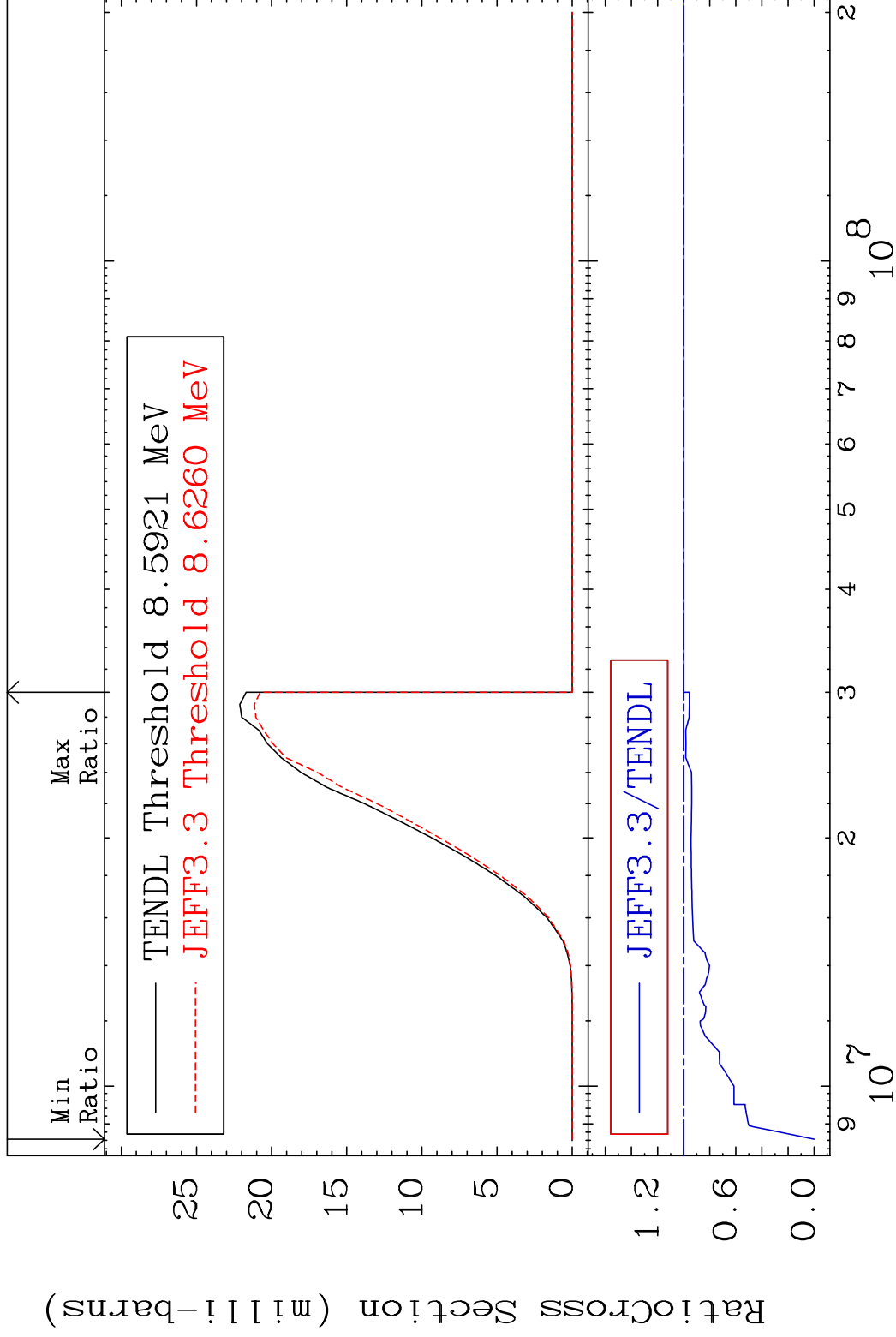
36-Kr-84

MAT 3643

(n, d)

36-Kr-84

Cross Section -100.0 To 0.000 %



46

Incident Energy (eV)

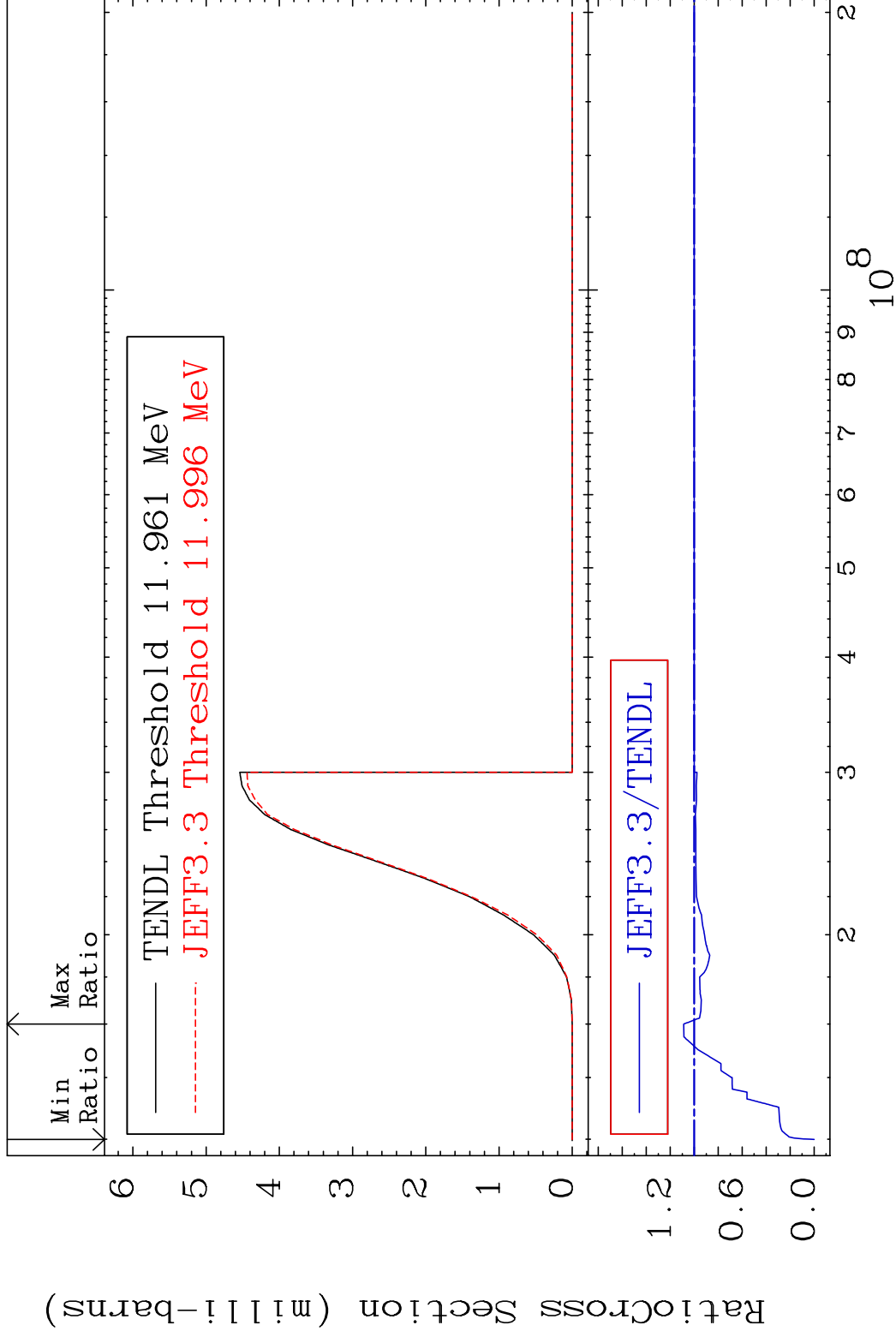
36-Kr-84

MAT 3643

(n, t)

36-Kr-84

Cross Section -100.0 To 8.828 %



47

Incident Energy (eV)

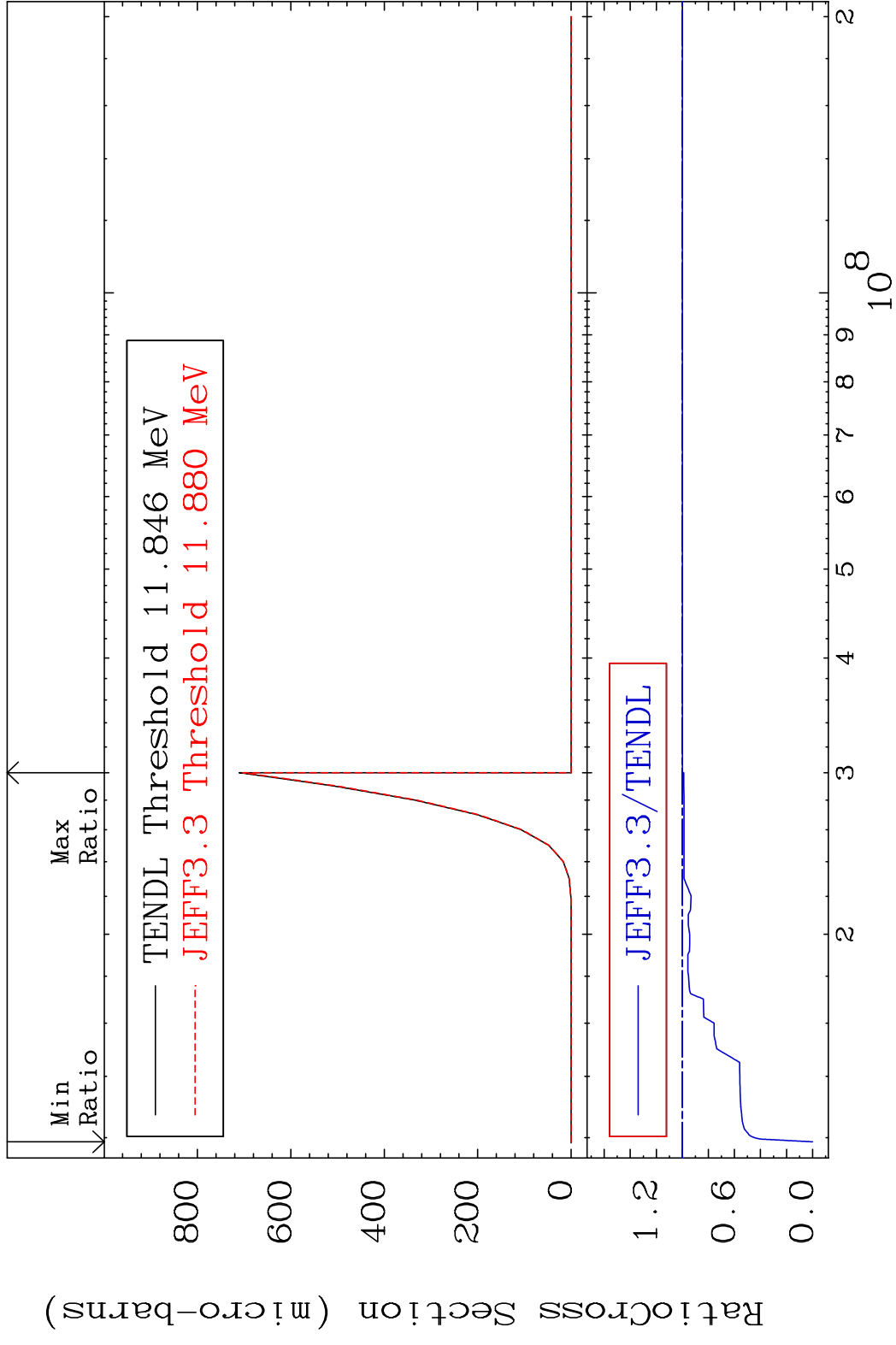
36-Kr-84

MAT 3643

(n, He-3)

36-Kr-84

Cross Section -100.0 To 0.000 %



48

Incident Energy (eV)

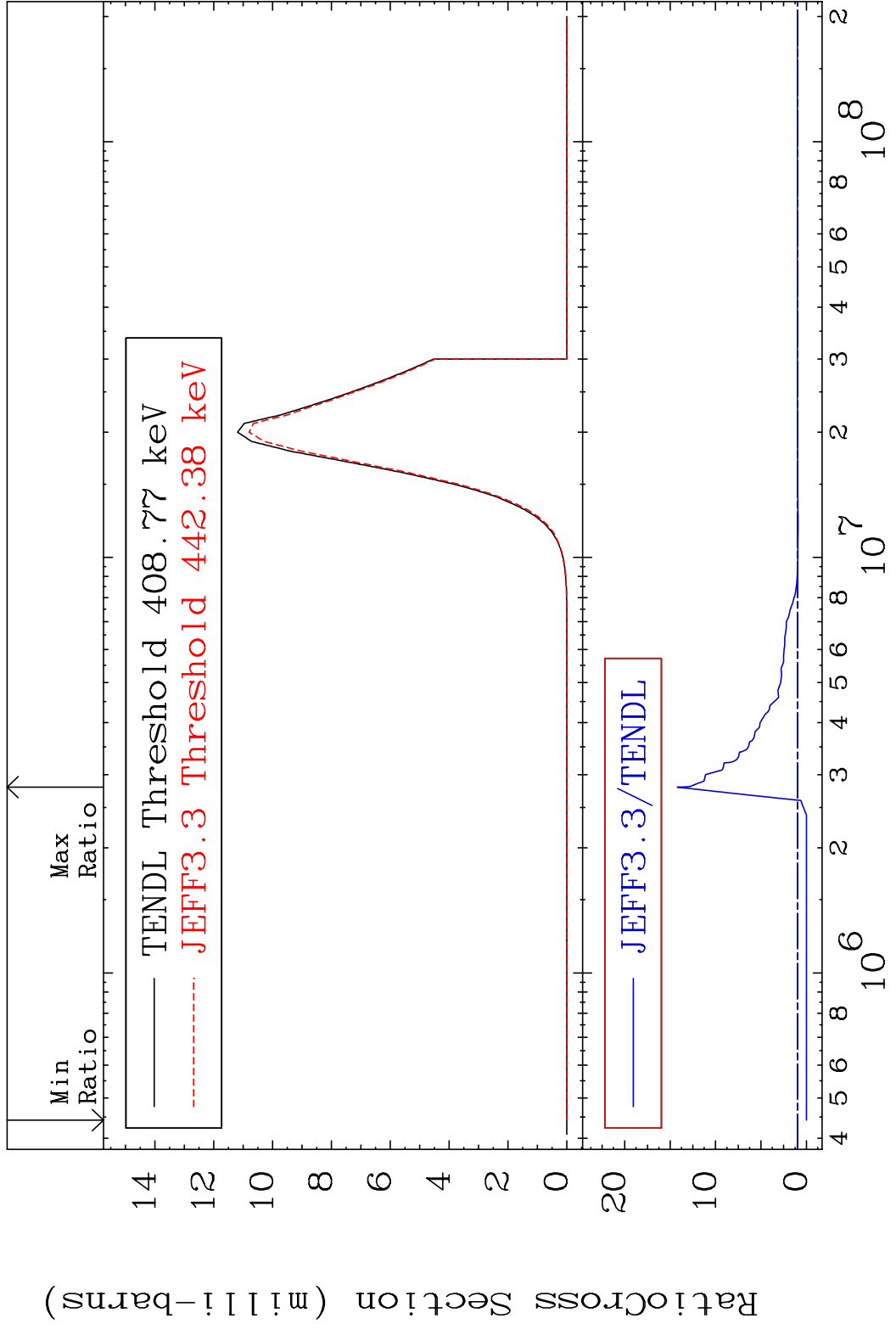
36-Kr-84

MAT 3643

36-Kr-84

(n, α)

Cross Section -100.0 To 1323. %



49

Incident Energy (eV)

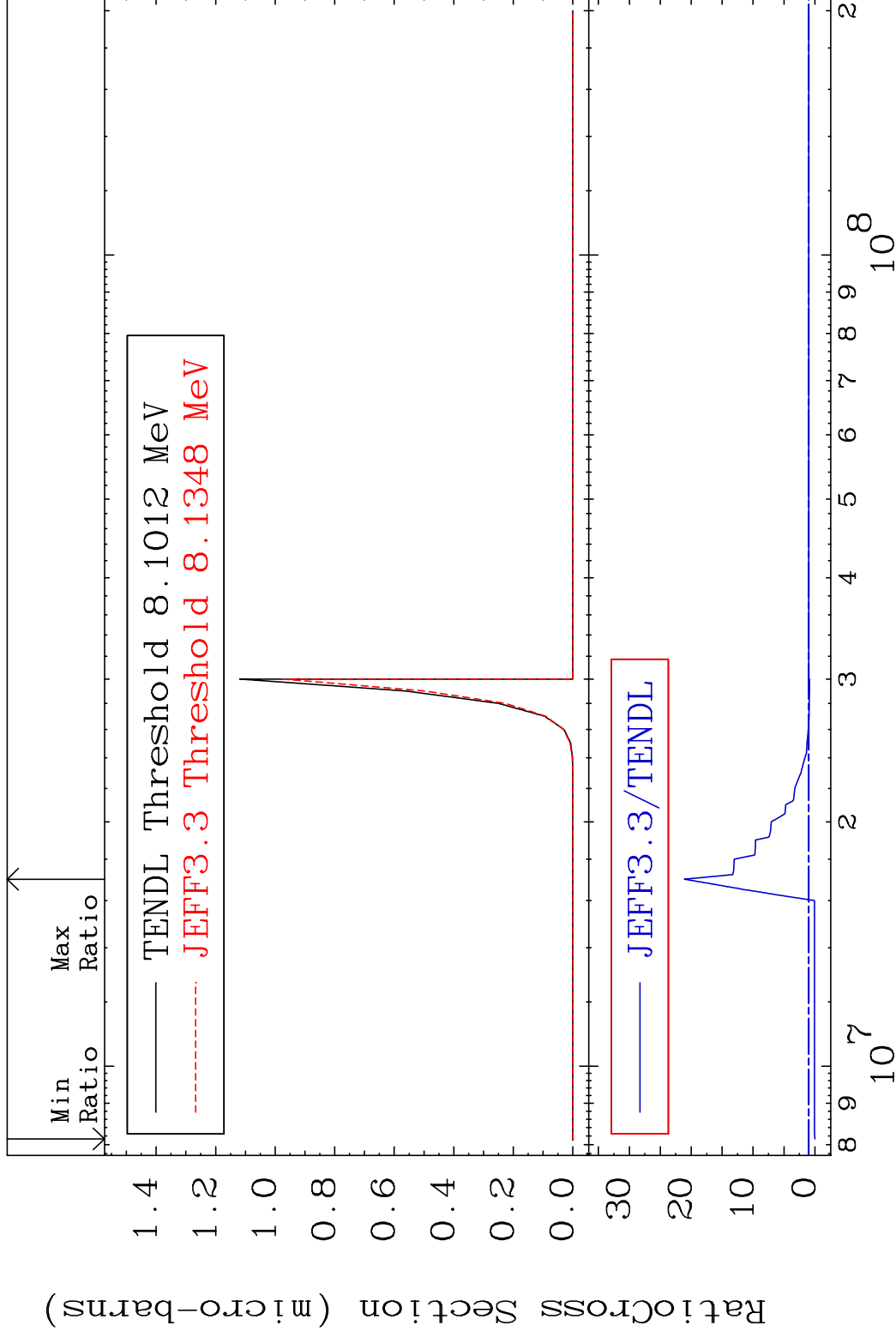
36-Kr-84

MAT 3643

(n,2α)

36-Kr-84

Cross Section -100.0 To 2011. %

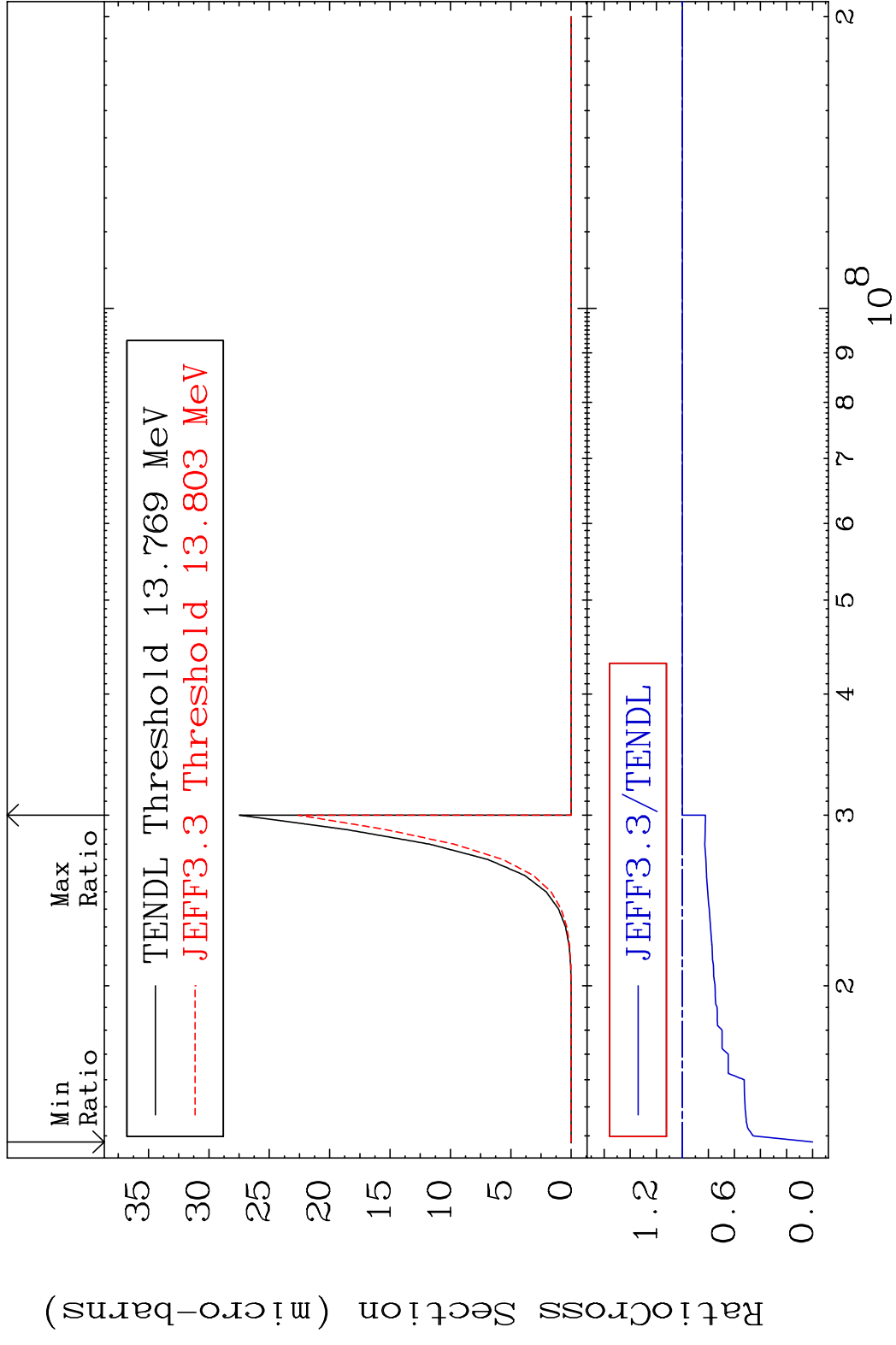


50

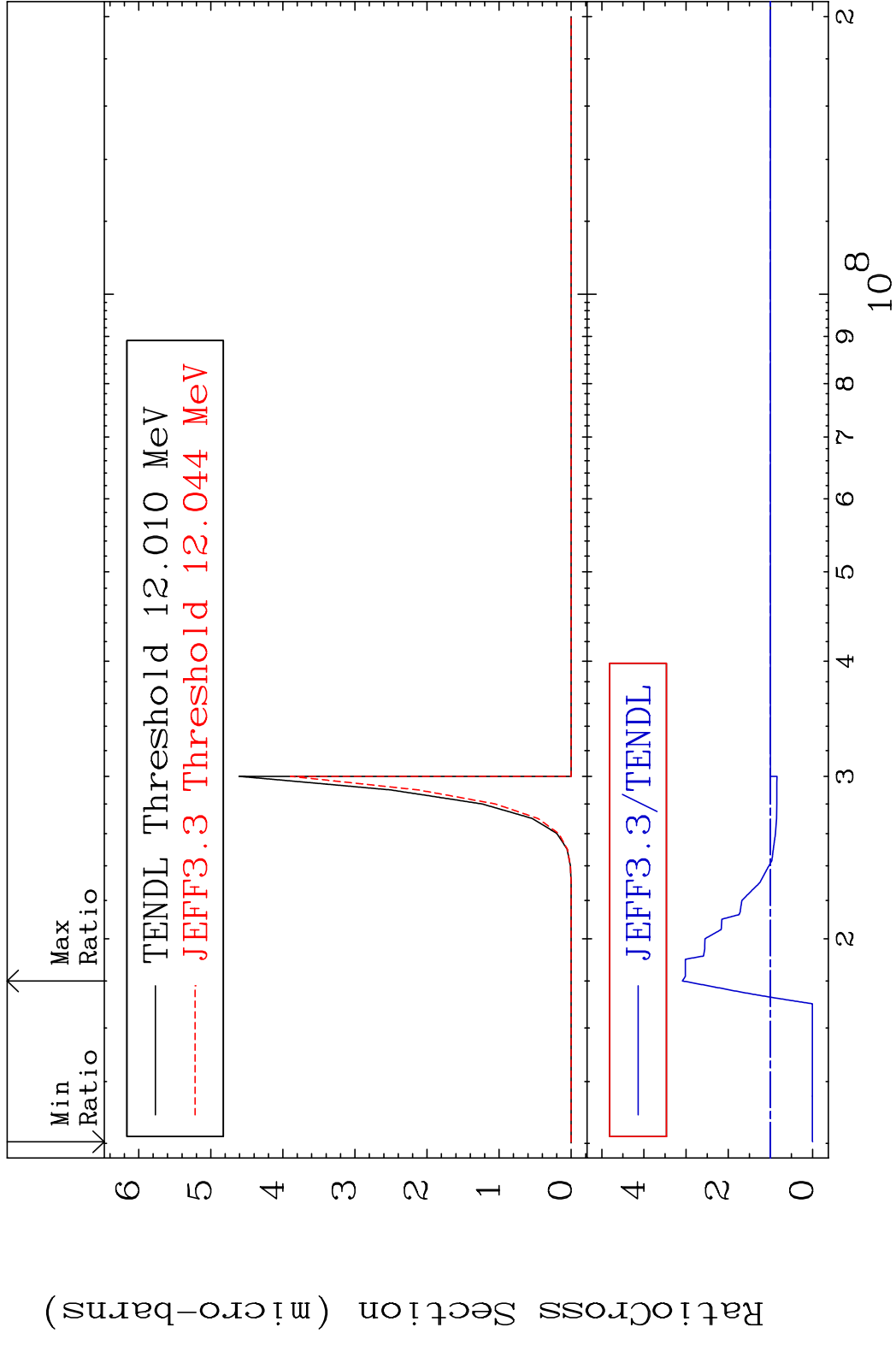
Incident Energy (eV)

36-Kr-84

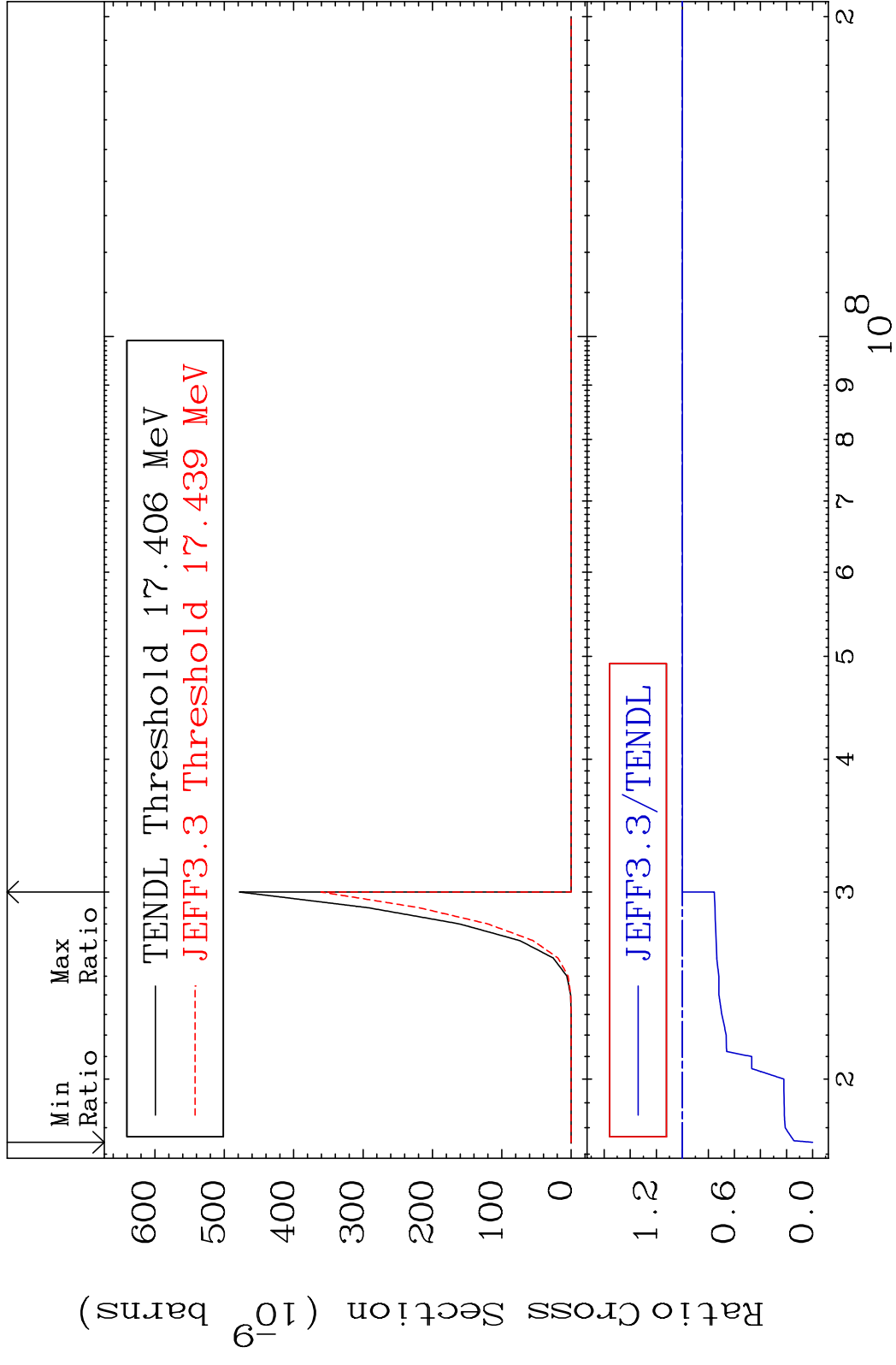
MAT 3643 (n,2p) 36-Kr-84
 Cross Section -100.0 To 0.000 %



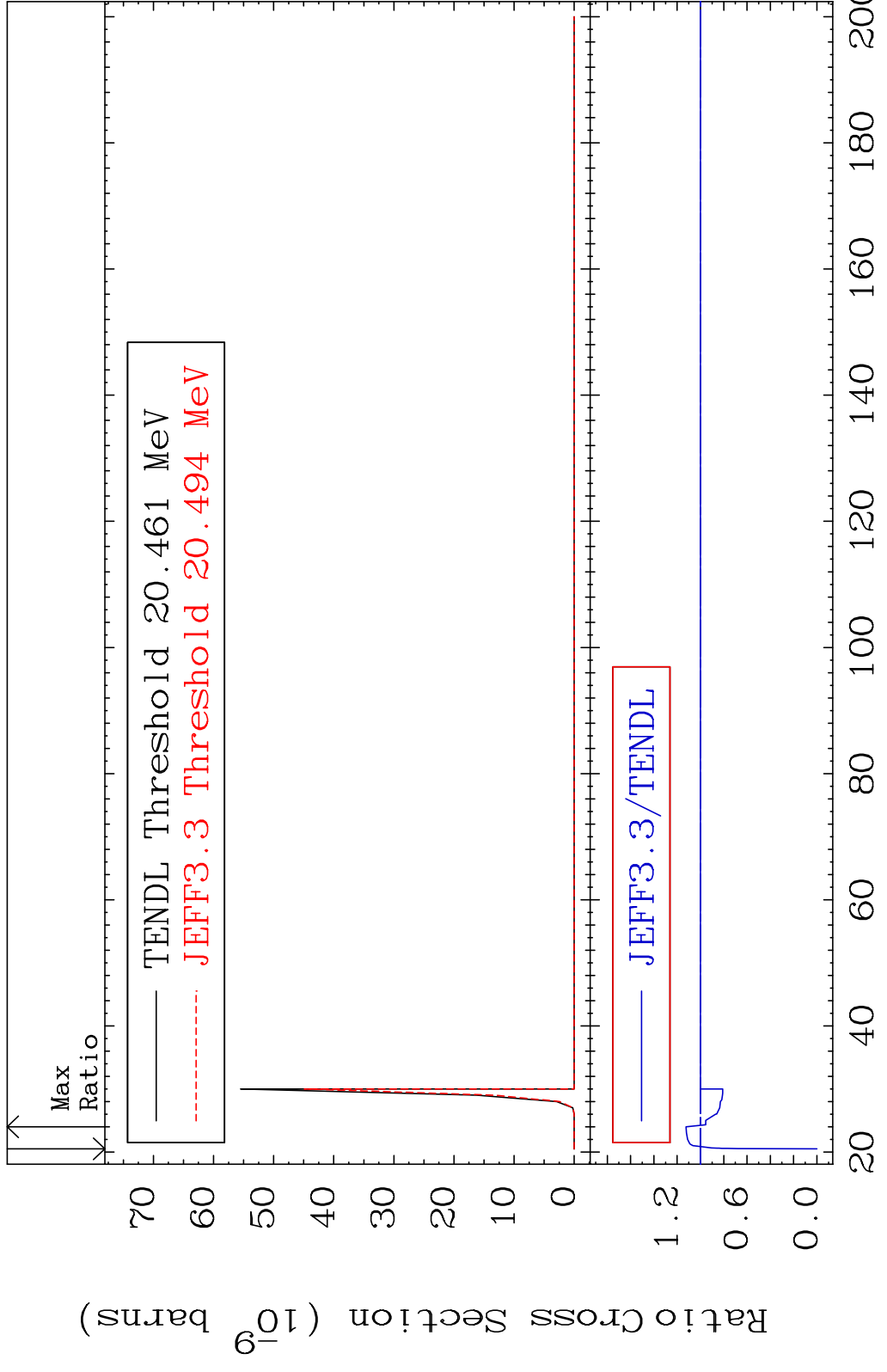
MAT 3643 (n,p) α 36-Kr-84
 Cross Section -100.0 To 208.9 %



MAT 3643 (n,p) d 36-Kr-84
 Cross Section -100.0 To 0.000 %



MAT 3643 (n,p) t 36-Kr-84
 Cross Section -100.0 To 12.43 %

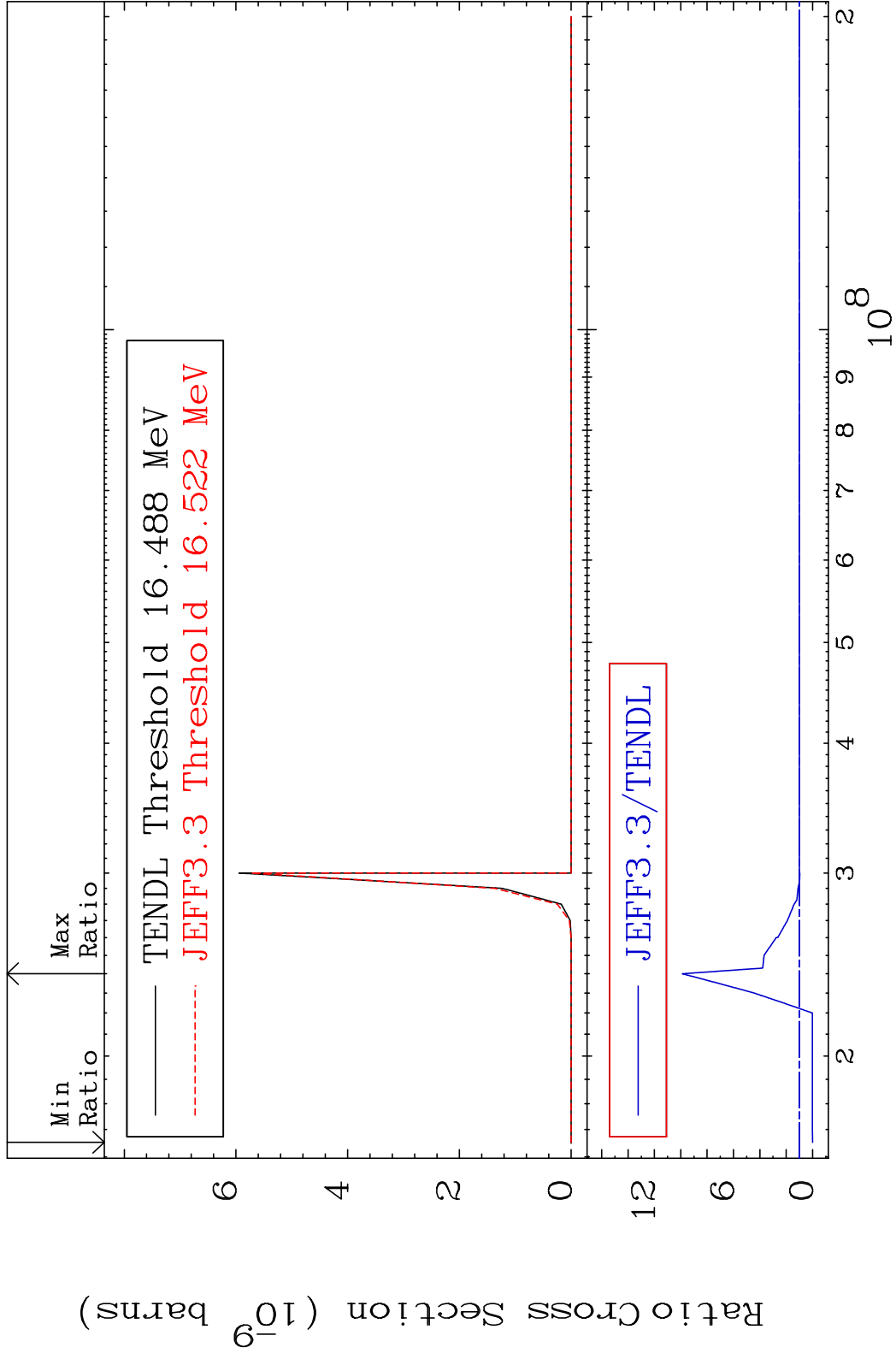


MAT 3643

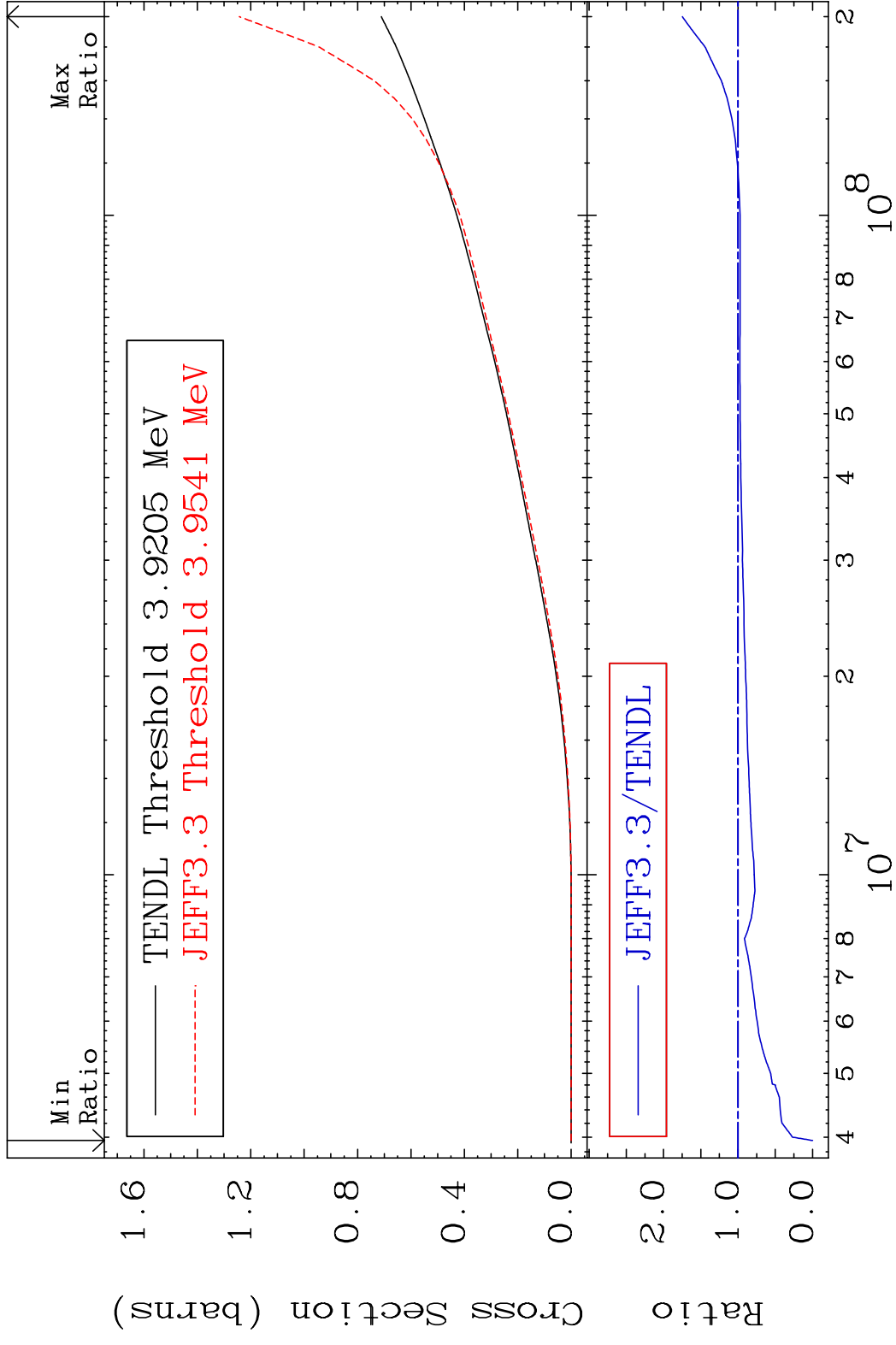
(n,d) α

36-Kr-84

Cross Section -100.0 To 888.0 %



MAT 3643 Hydrogen Production 36-Kr-84
 Cross Section -100.0 To 74.78 %

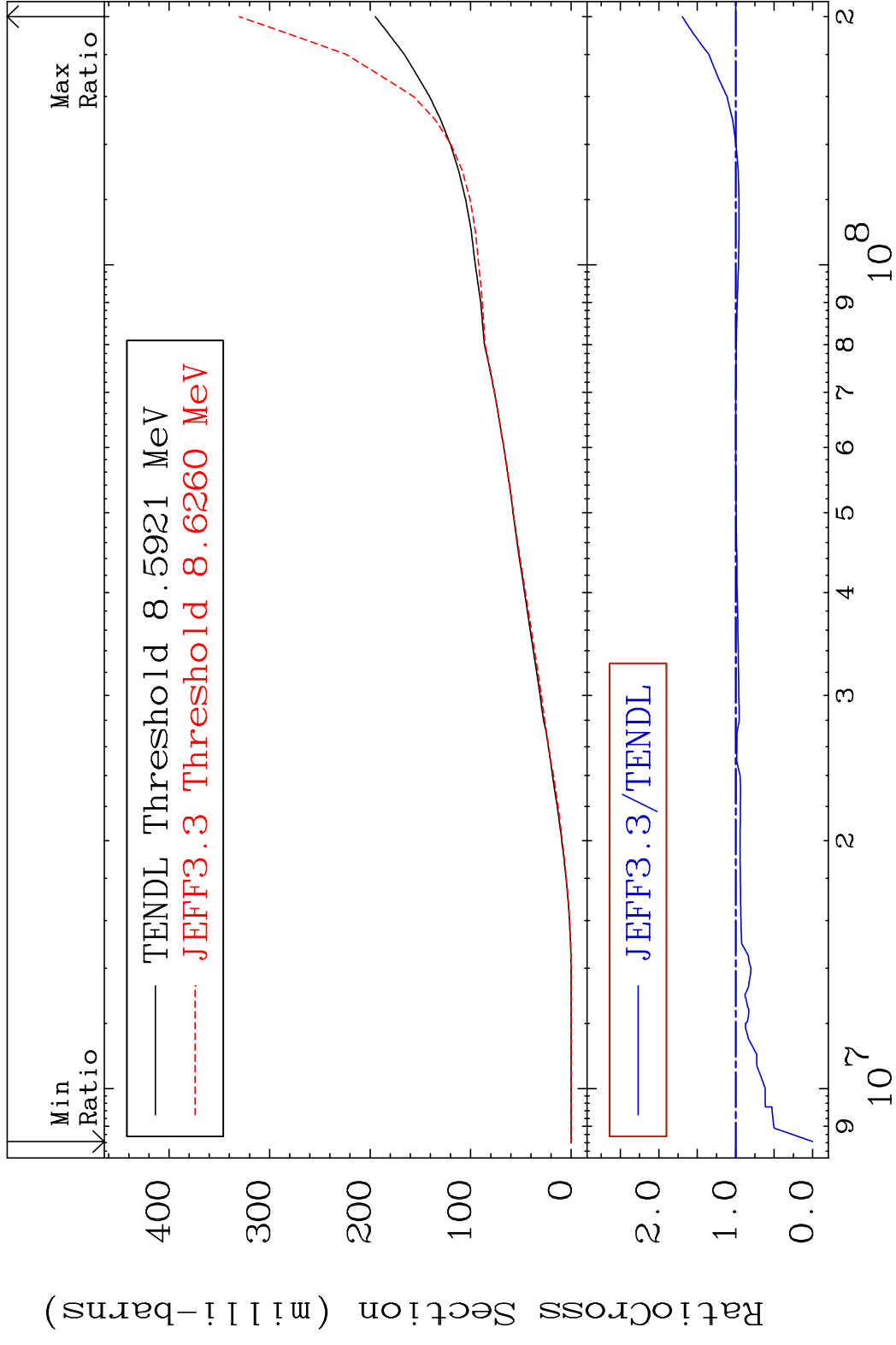


MAT 3643

Deuterium Production

³⁶Kr-84

Cross Section -100.0 To 69.41 %

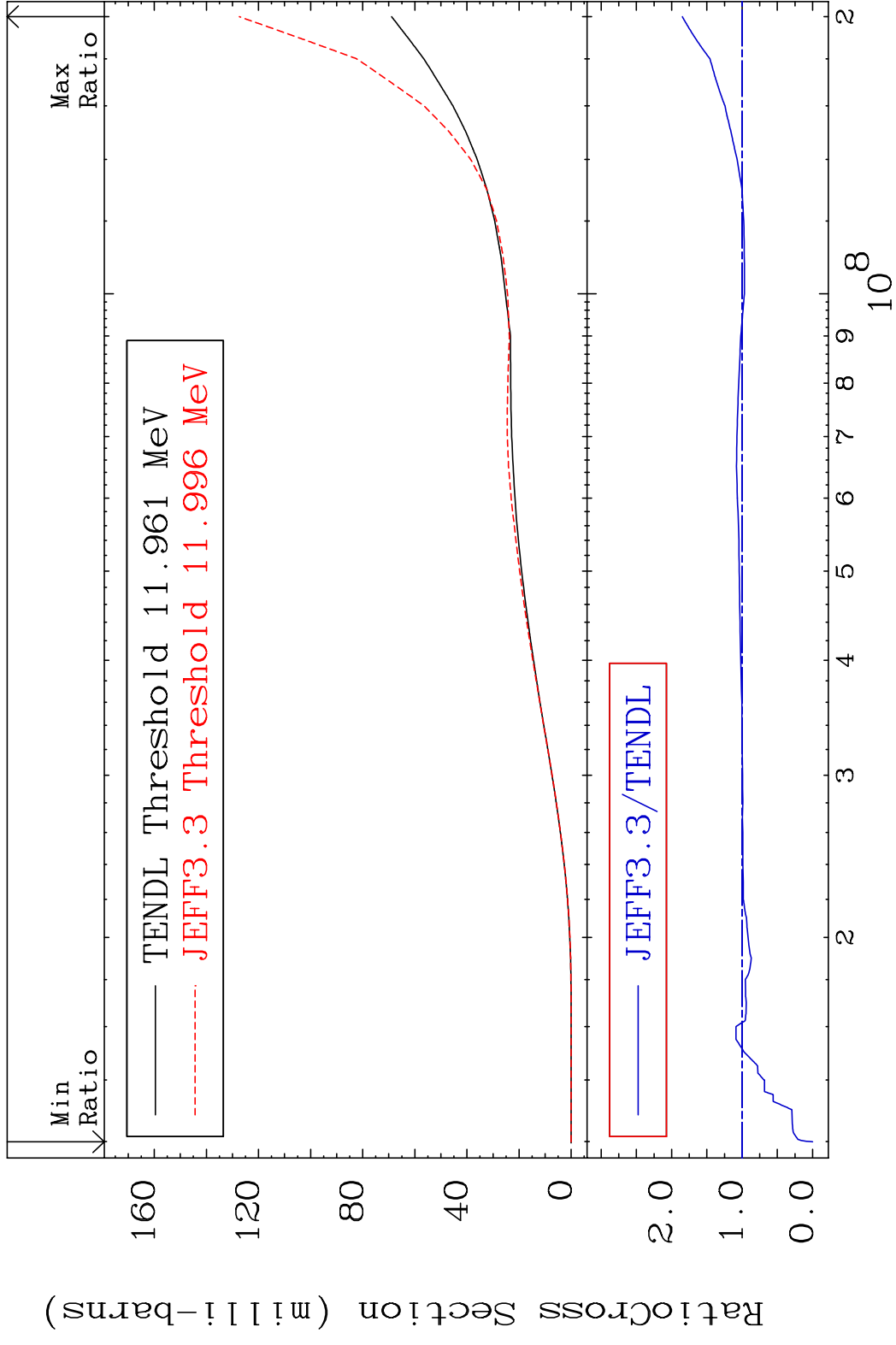


57

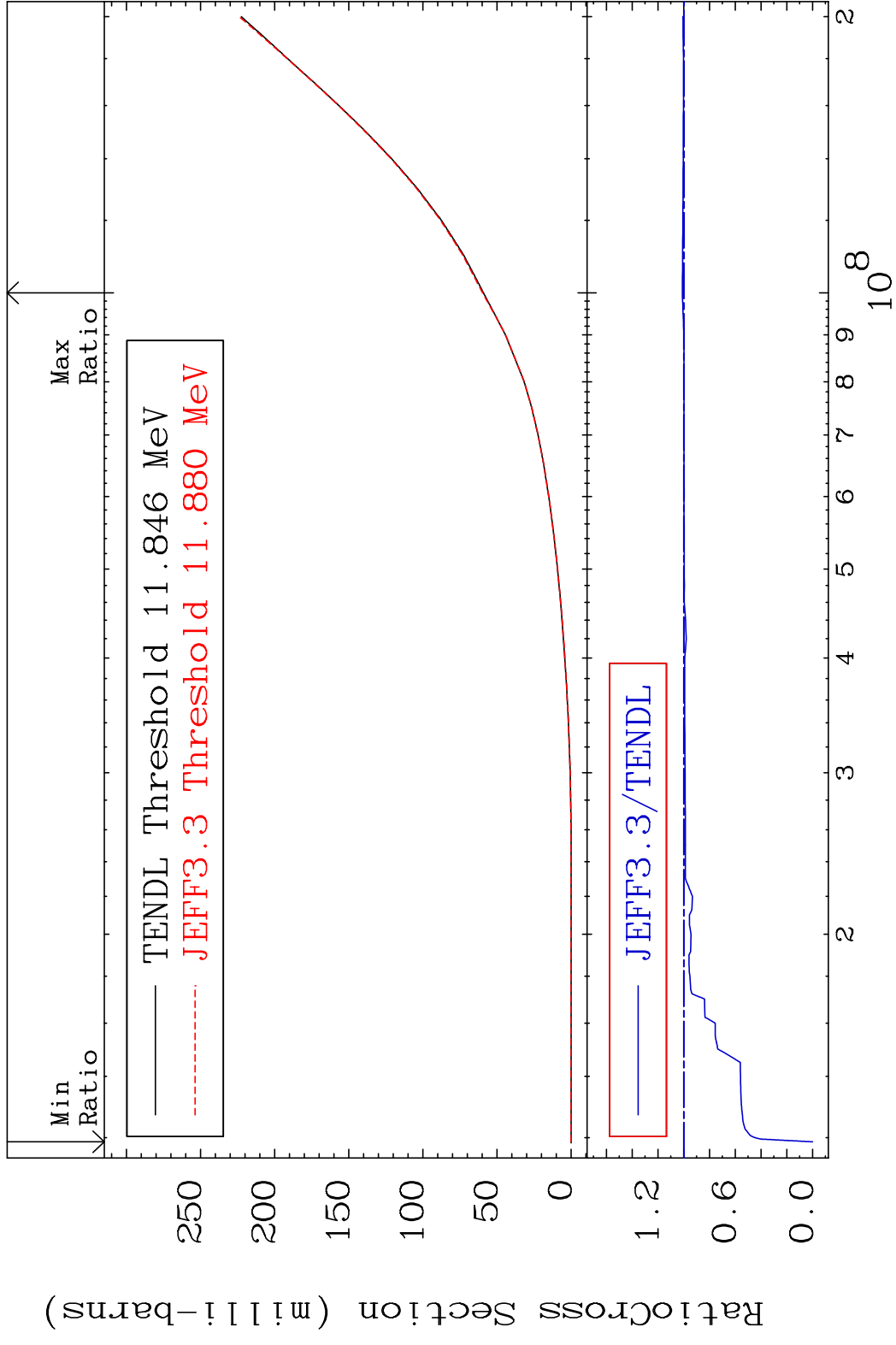
Incident Energy (eV)

³⁶Kr-84

MAT 3643 Tritium Production 36-Kr-84
 Cross Section -100.0 To 84.79 %



MAT 3643 He-3 Production 36-Kr-84
 Cross Section -100.0 To 1.025 %

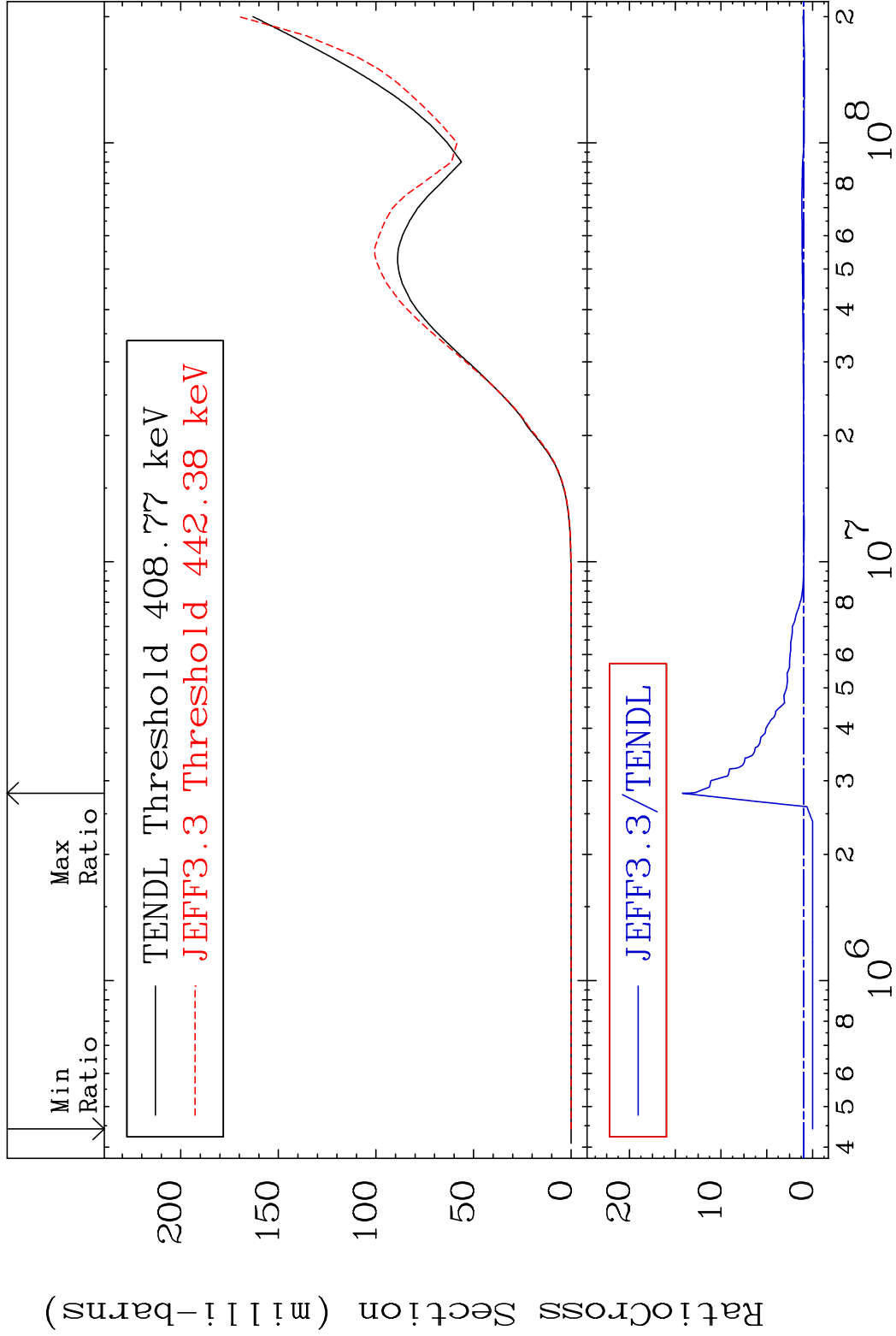


MAT 3643

He-4 Production

³⁶Kr-84

Cross Section -100.0 To 1323. %

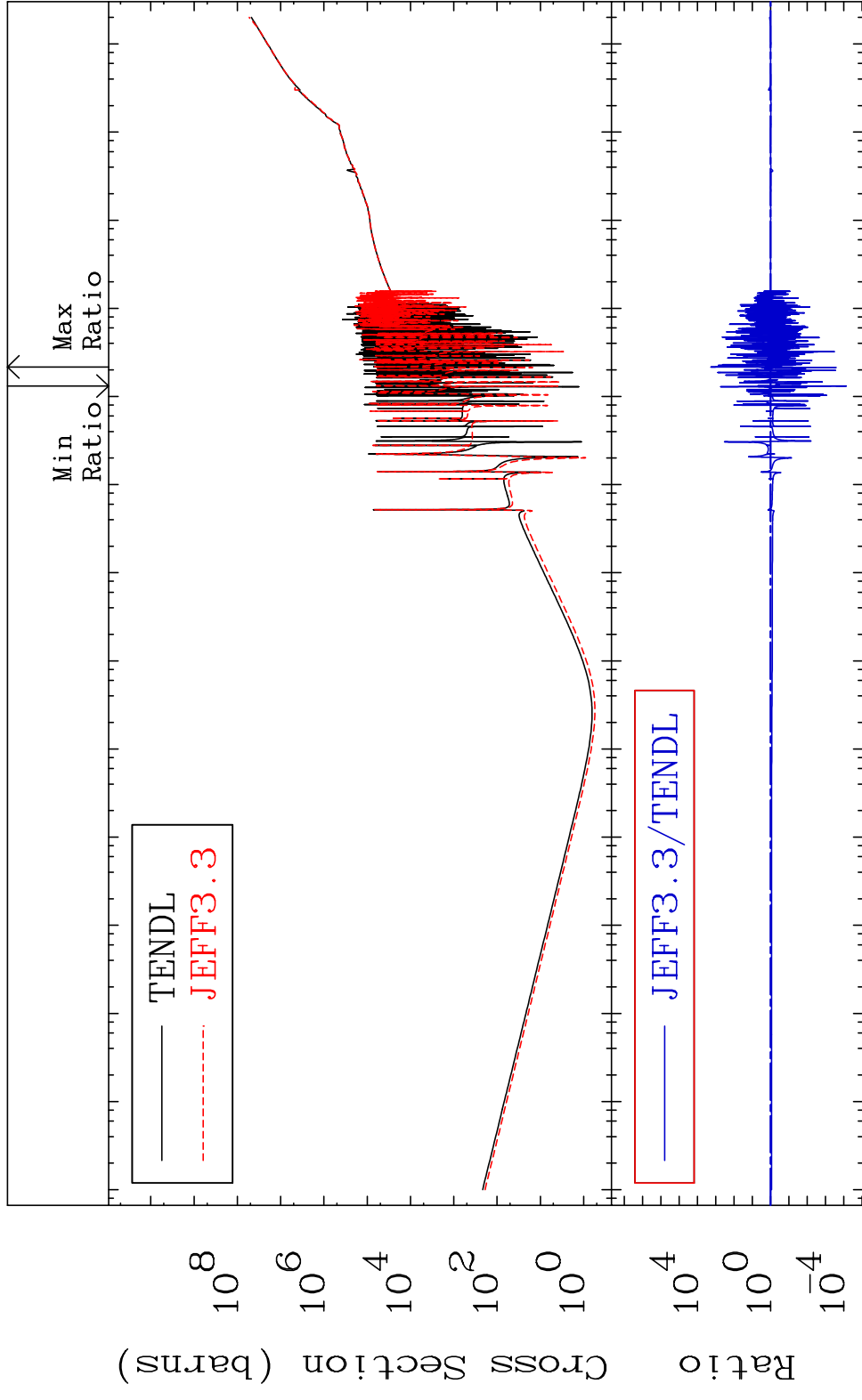


60

Incident Energy (eV)

³⁶Kr-84

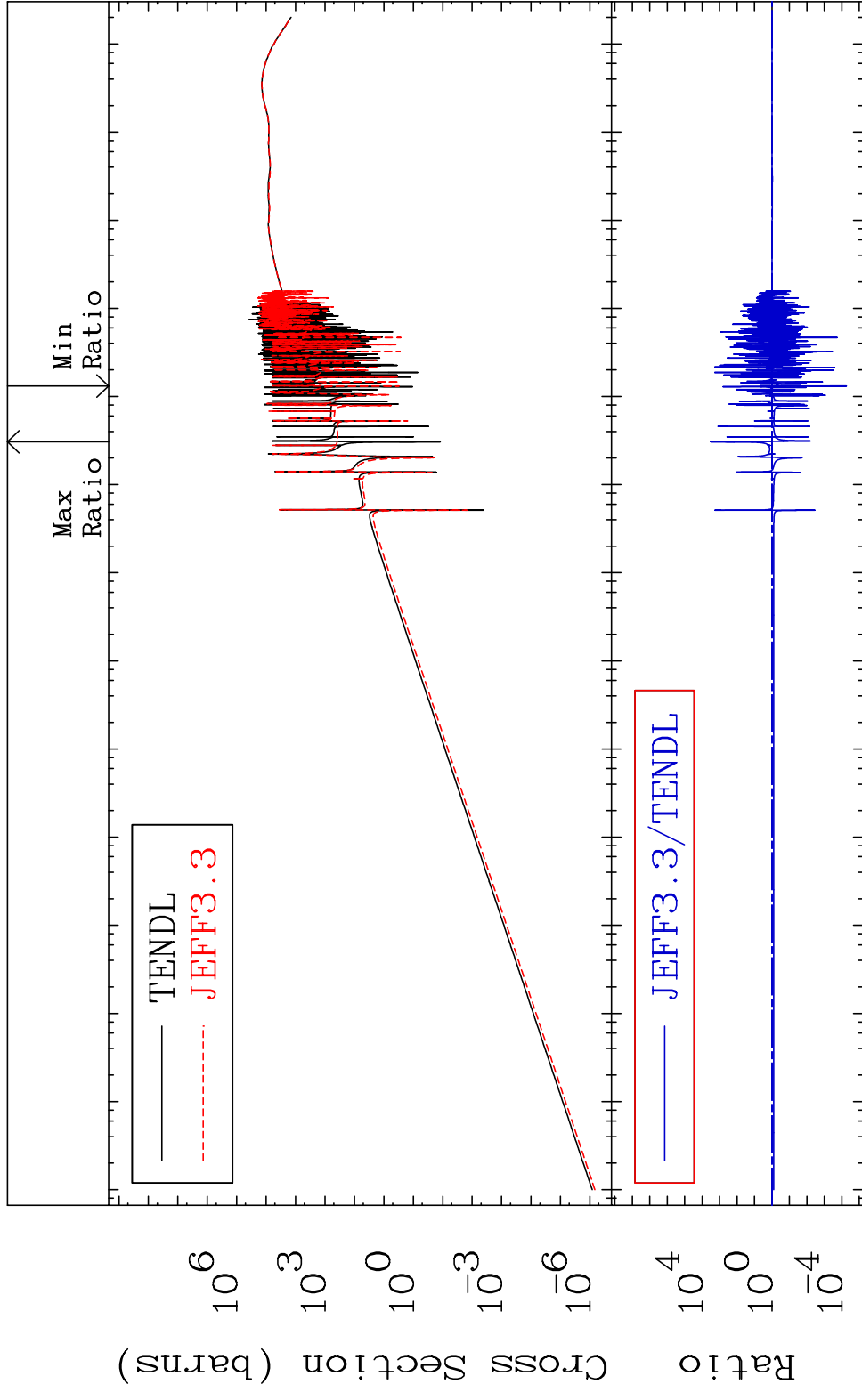
MAT 3643 Kerma total (eV-barns) 36-Kr-84
 Cross Section -99.99 To 9999. %



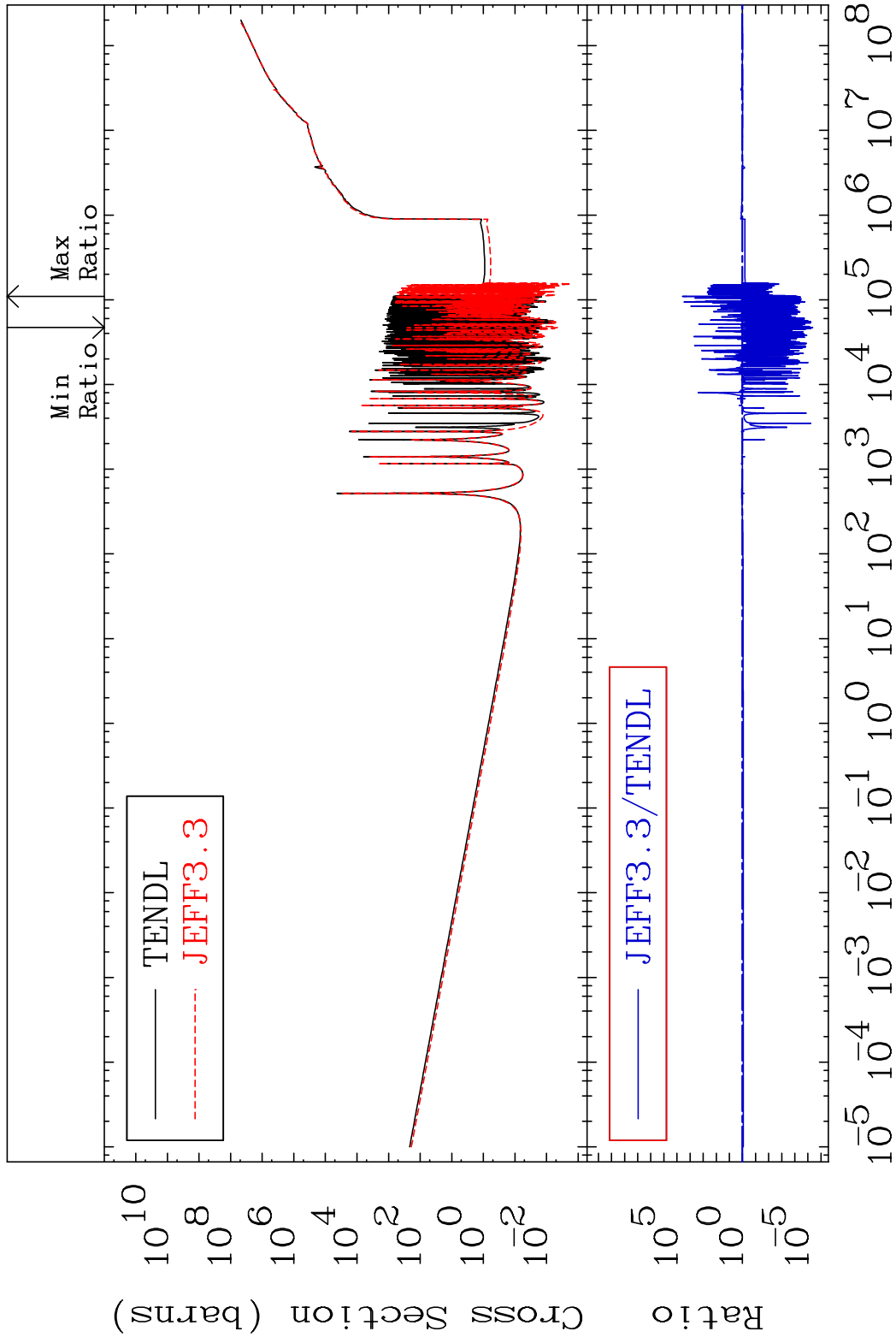
61 Incident Energy (eV) 36-Kr-84

MAT 3643

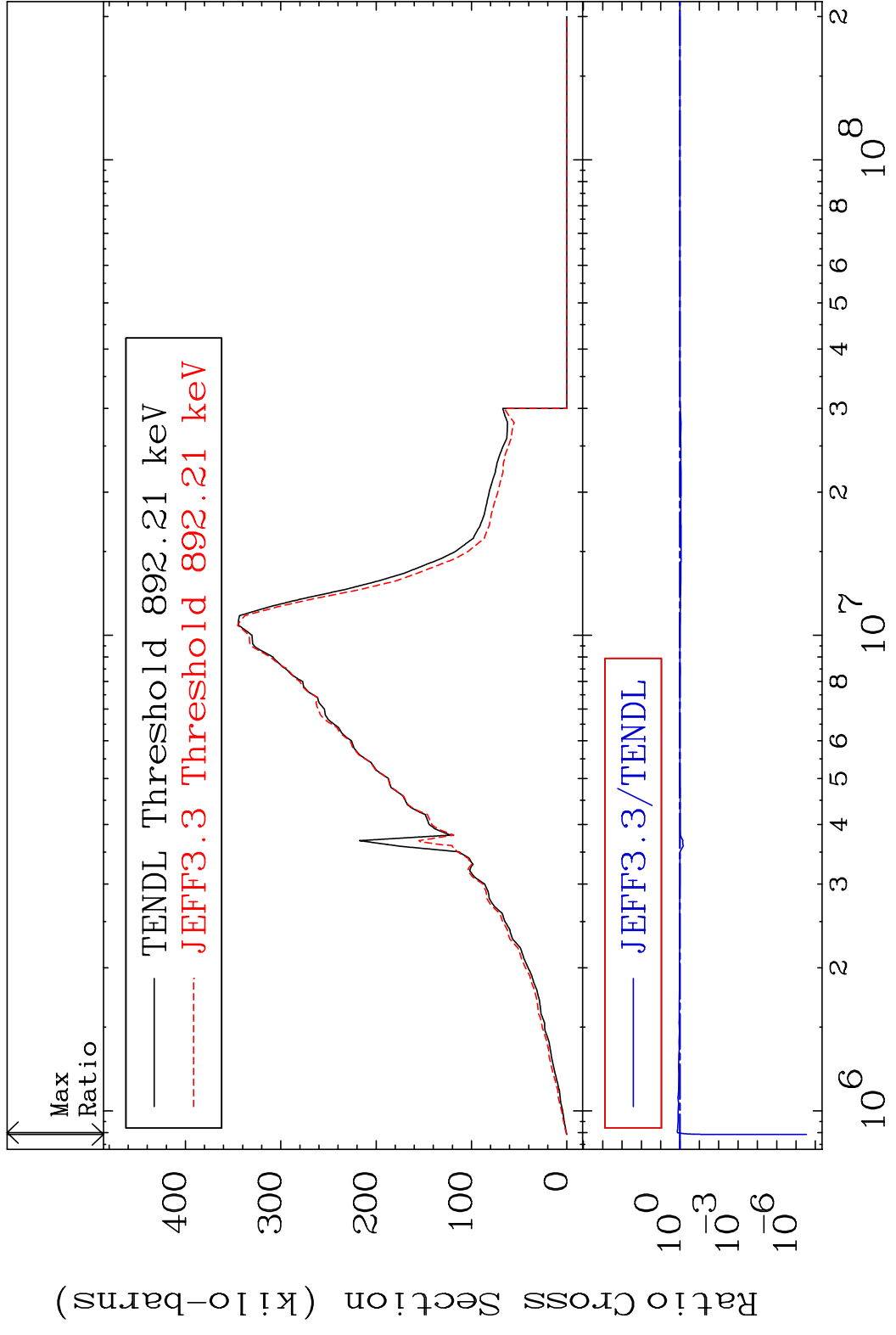
Kerma elastic Cross Section -99.99 To 9999. %
36-Kr-84



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

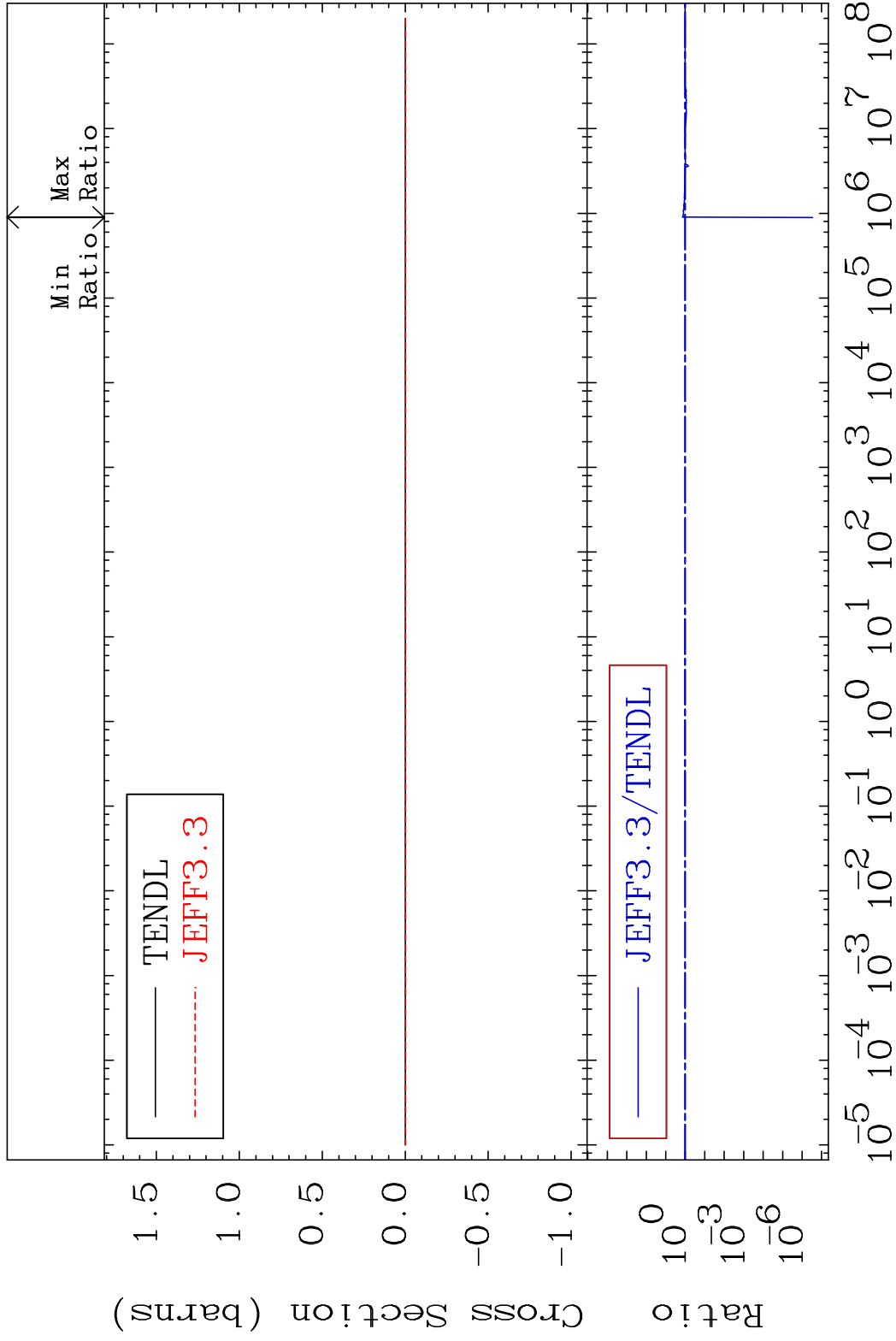


MAT 3643 Kerma inelastic (mt51-91) 36-Kr-84
 Cross Section -100.0 To 40.43 %



64 Incident Energy (eV) 36-Kr-84

MAT 3643 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-84
 Cross Section -100.0 To 40.43 %

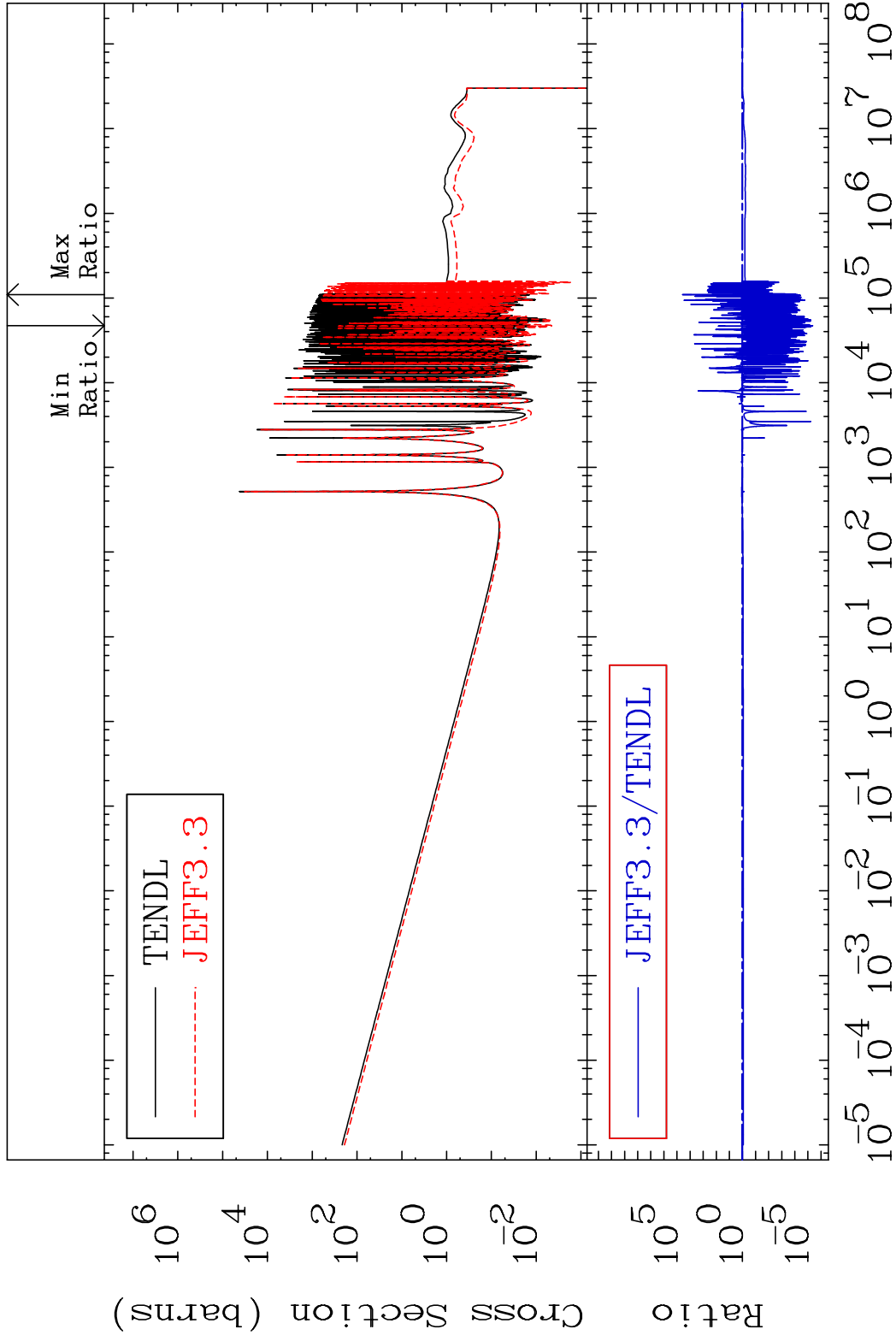


MAT 3643

Kerma capture (mt102)

36-Kr-84

Cross Section -100.0 To 9999. %

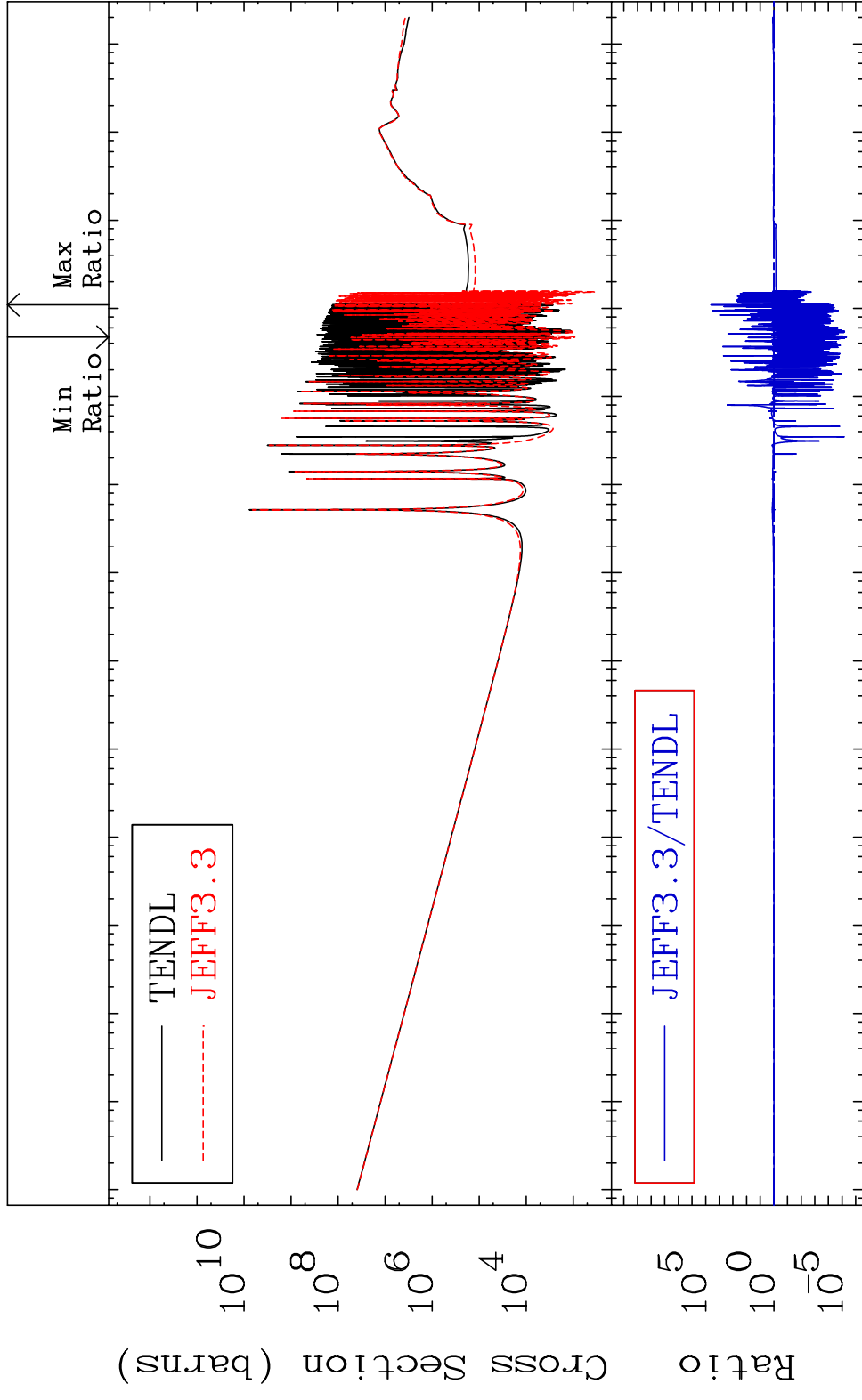


66

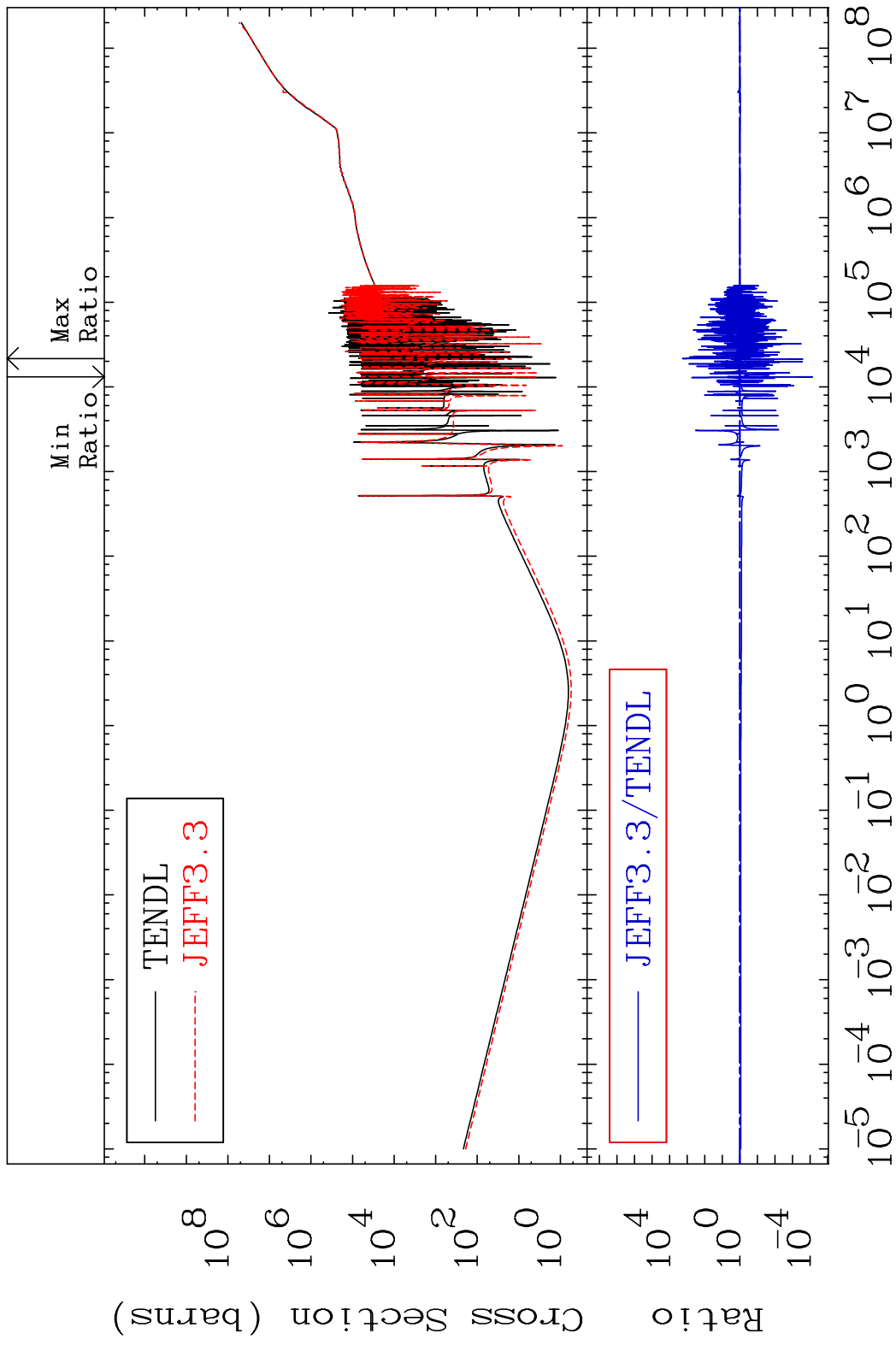
Incident Energy (eV)

36-Kr-84

MAT 3643 Total photon (eV-barns) 36-Kr-84
 Cross Section -100.0 To 9999. %



MAT 3643 Total kinematic kerma (high limit) 36-Kr-84
 Cross Section -99.99 To 9999. %

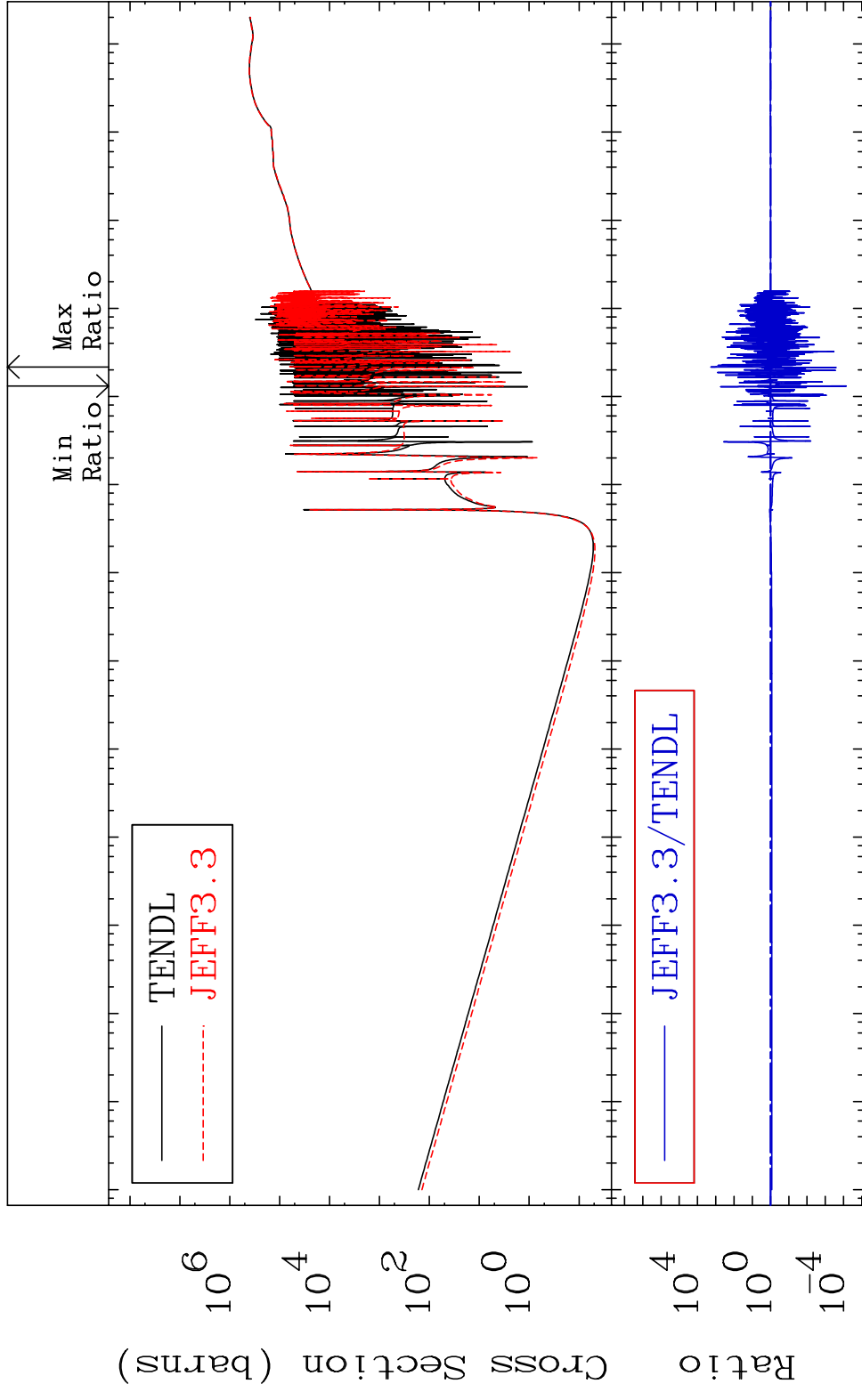


MAT 3643

Dpa total (eV-barns)

36-Kr-84

Cross Section -99.99 To 9999. %

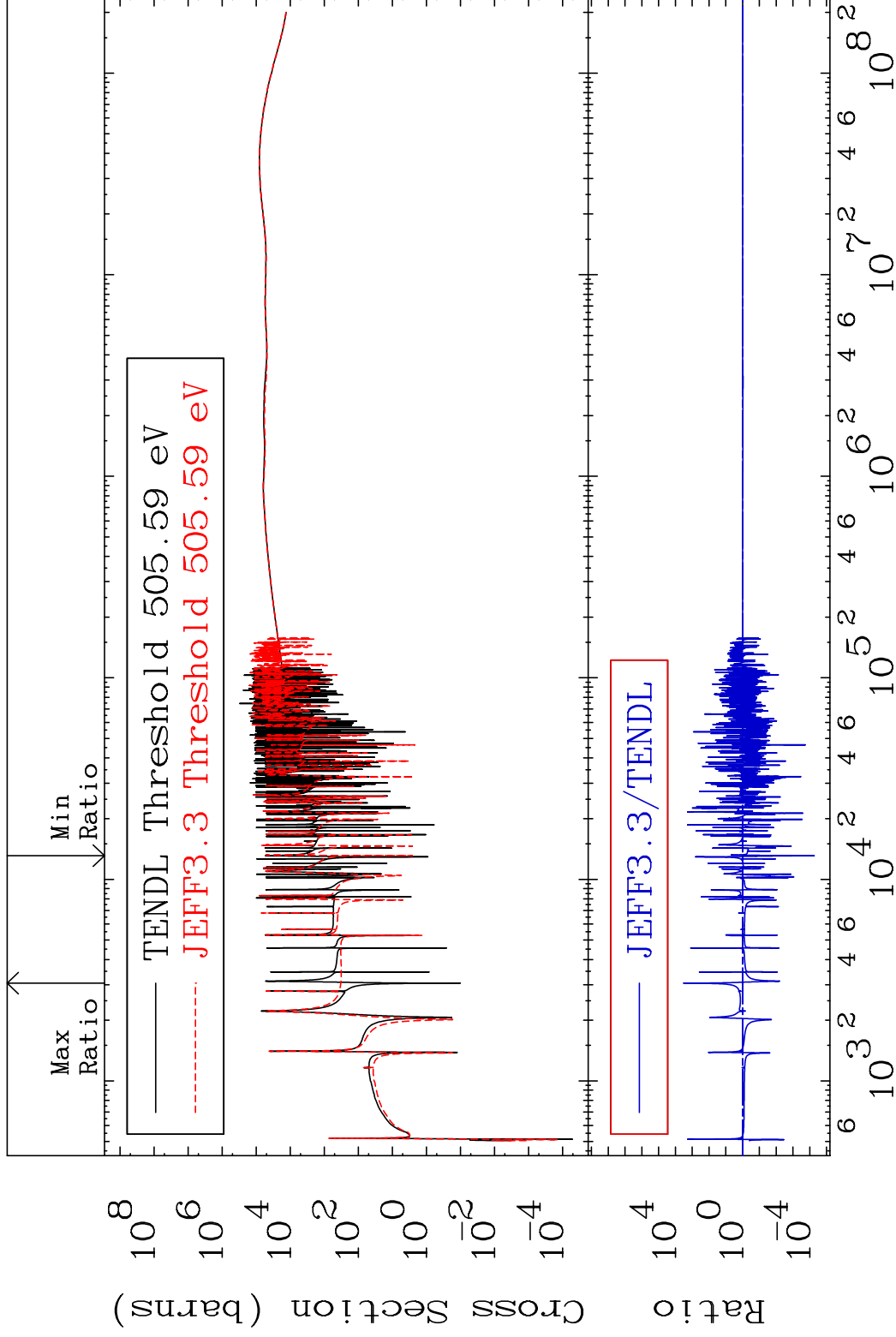


MAT 3643

Dpa elastic (mt2)

36-Kr-84

Cross Section -99.99 To 9999. %

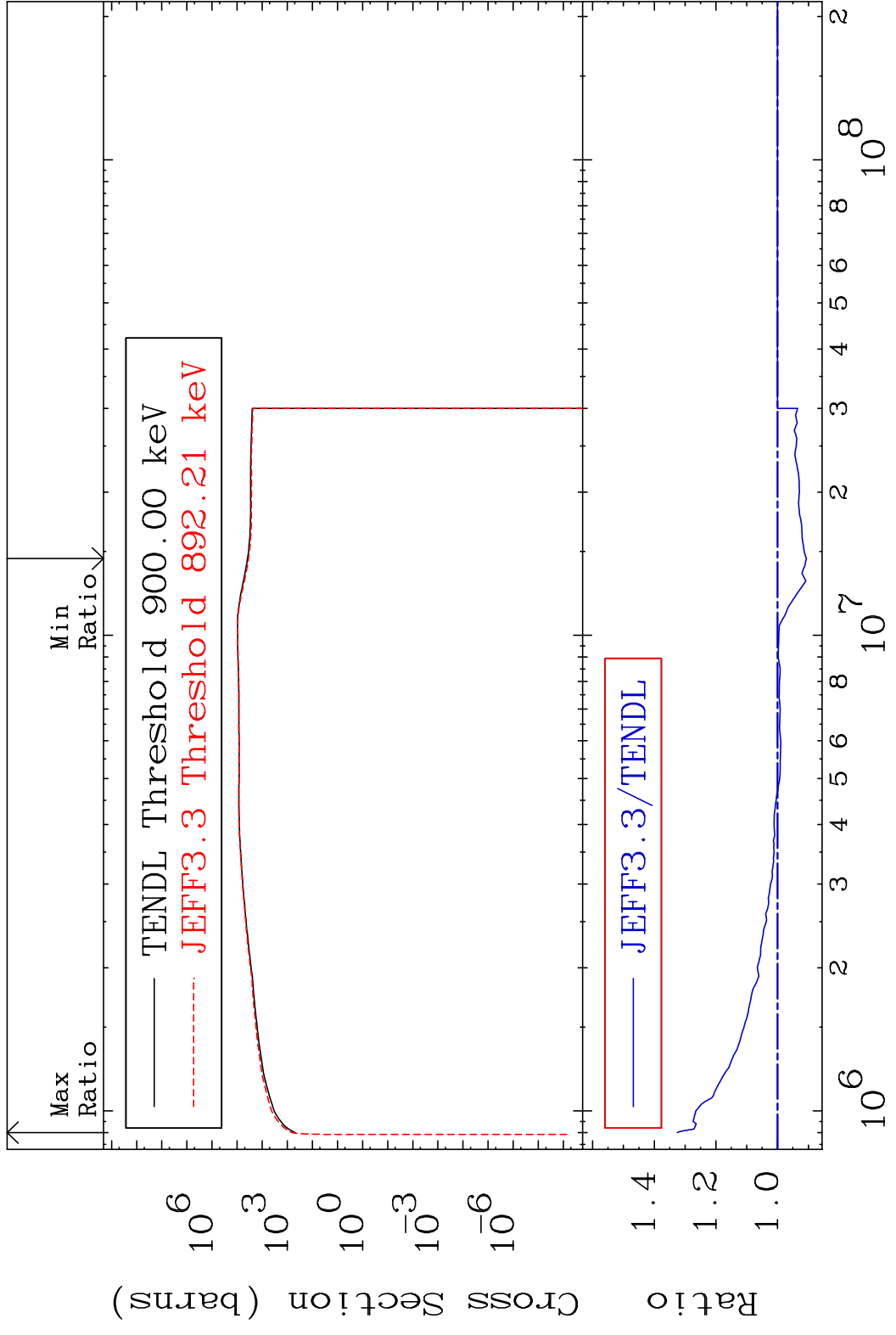


70

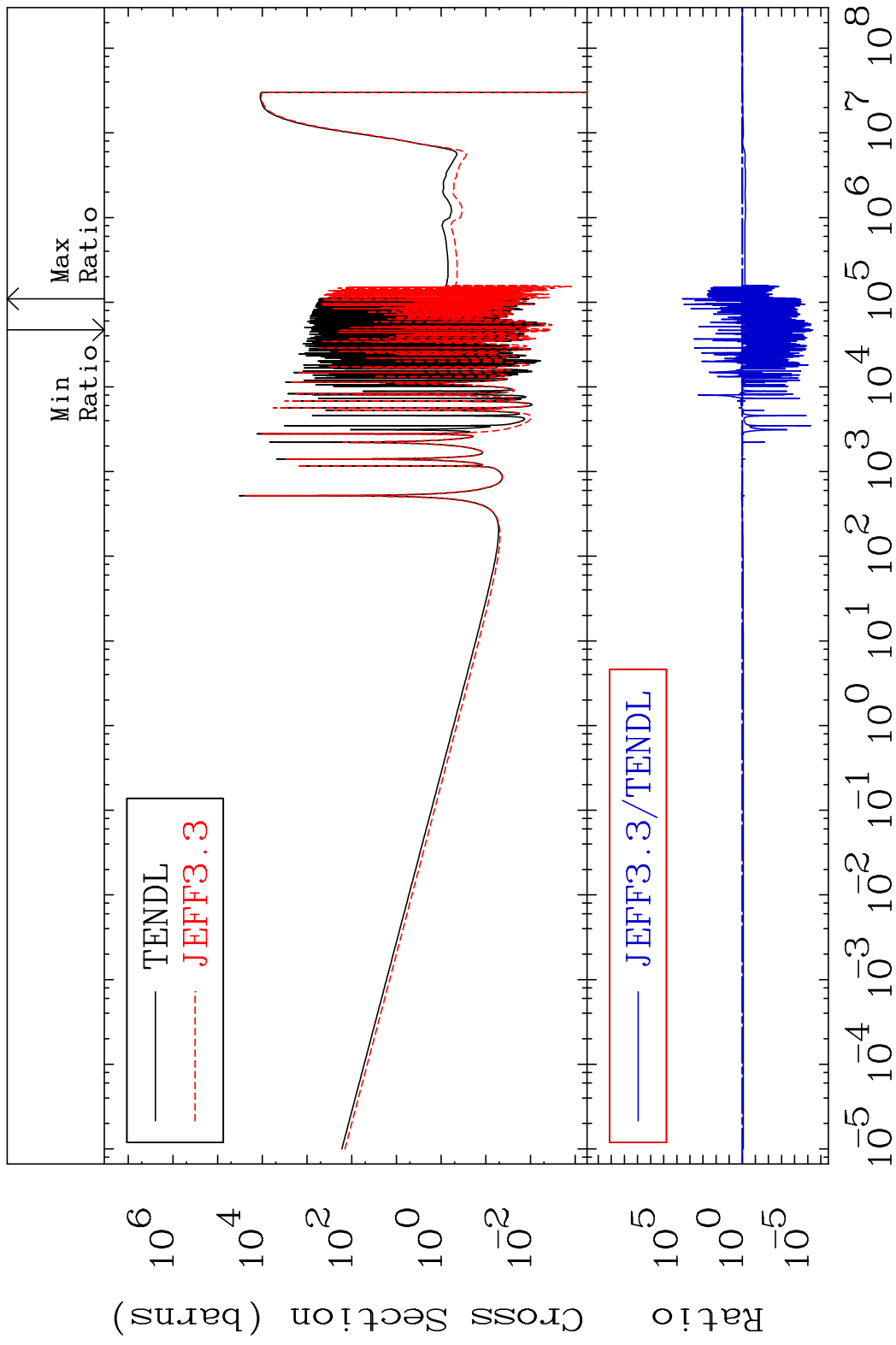
Incident Energy (eV)

36-Kr-84

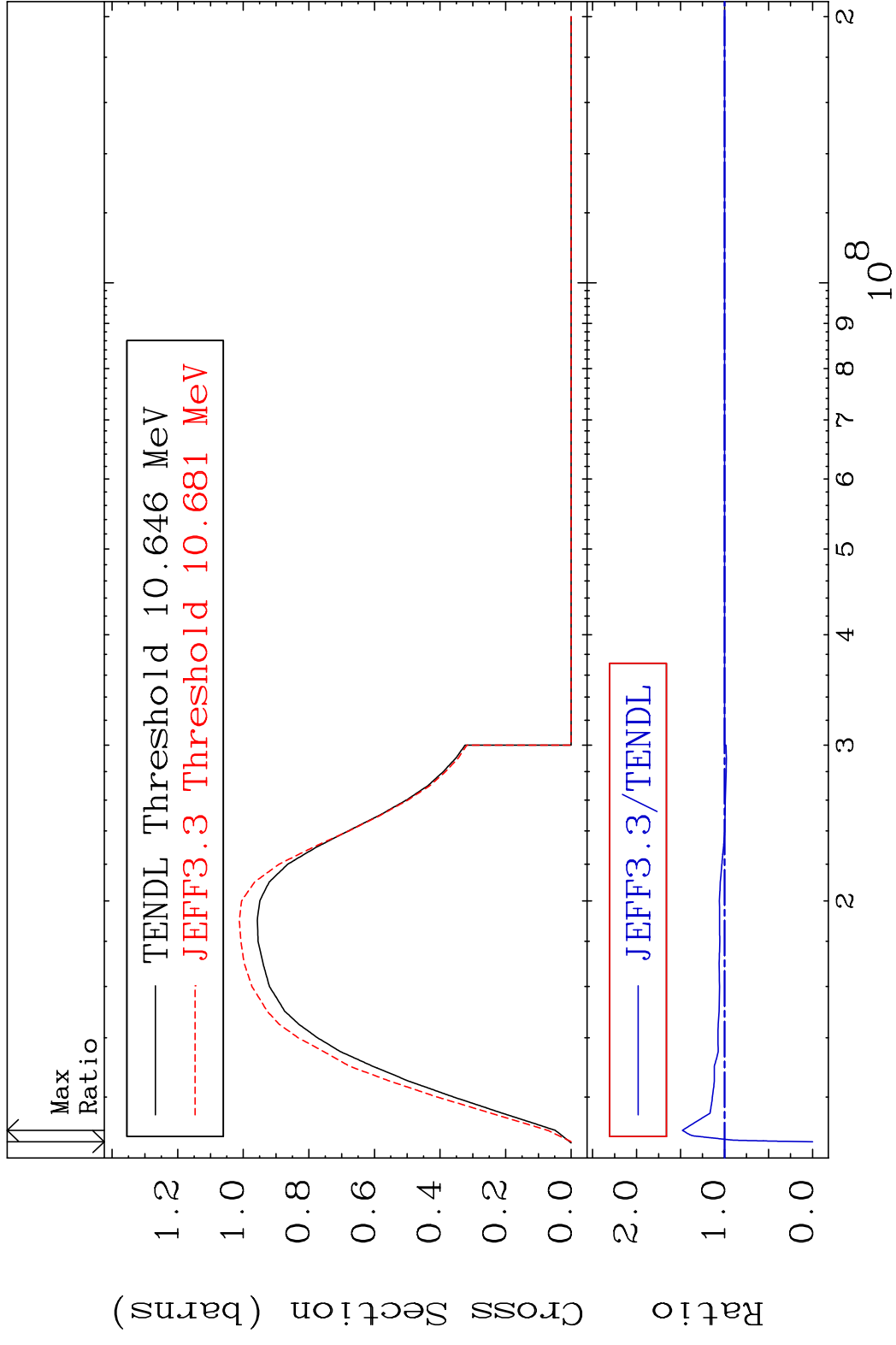
MAT 3643 Dpa inelastic (mt51-91) 36-Kr-84
 Cross Section -9.355 To 32.57 %



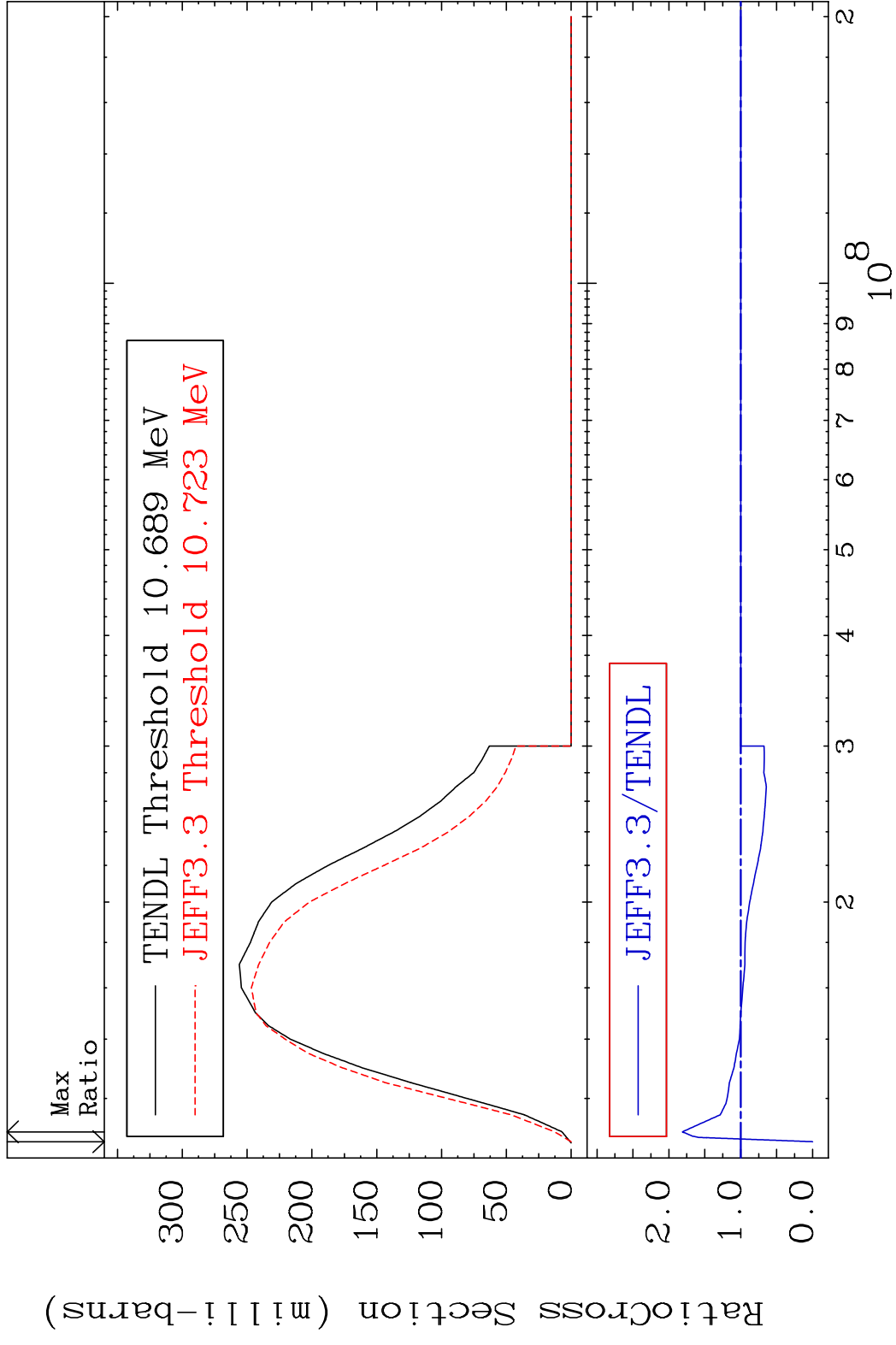
MAT 3643 Dpa disappearance (mt102 -120) 36-Kr-84
 Cross Section -100.0 To 9999. %



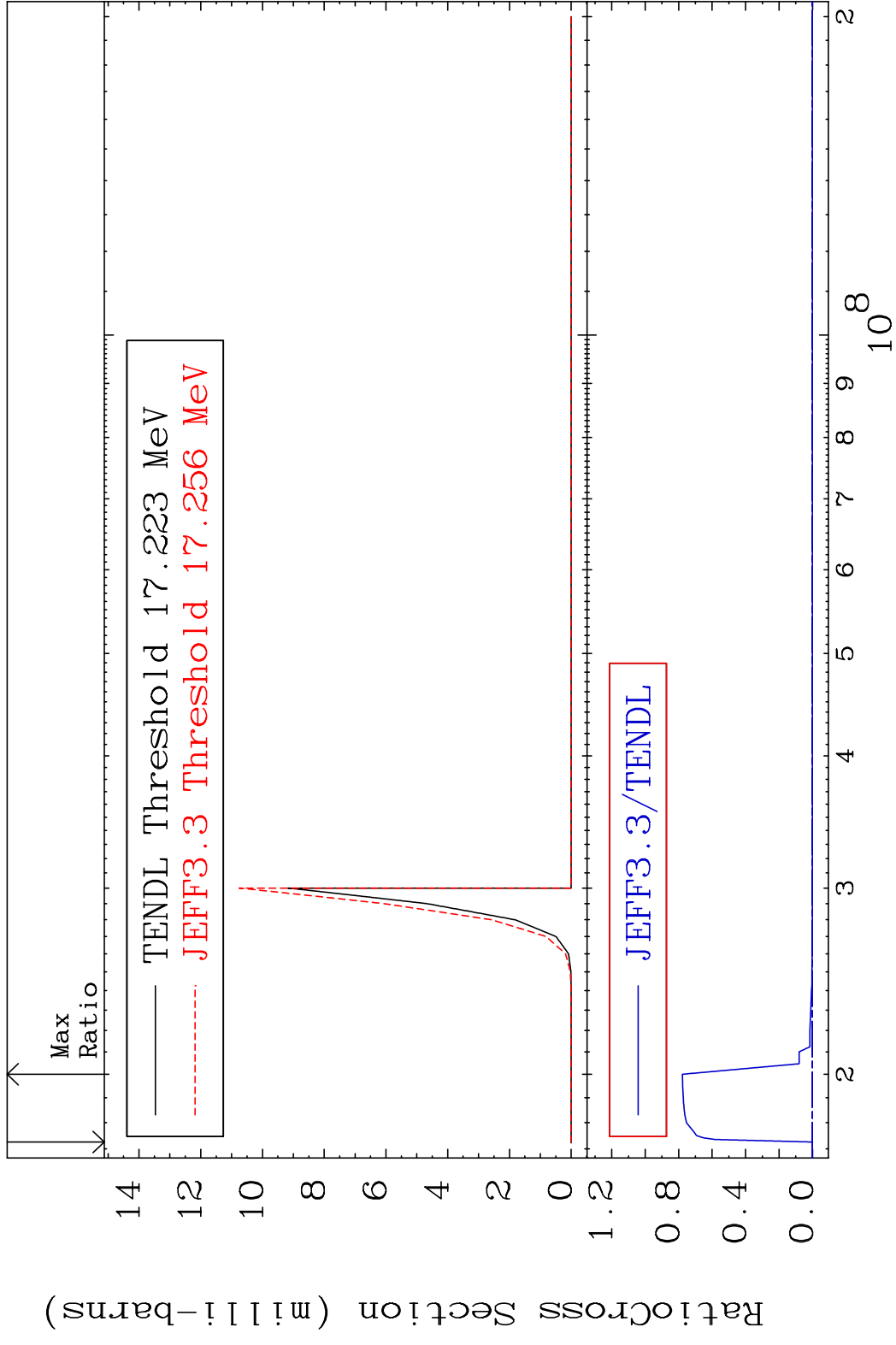
MAT 3643 (n,2n):36-Kr-83g 36-Kr-84
 Radionuclide Production Cross Section 47.97 %

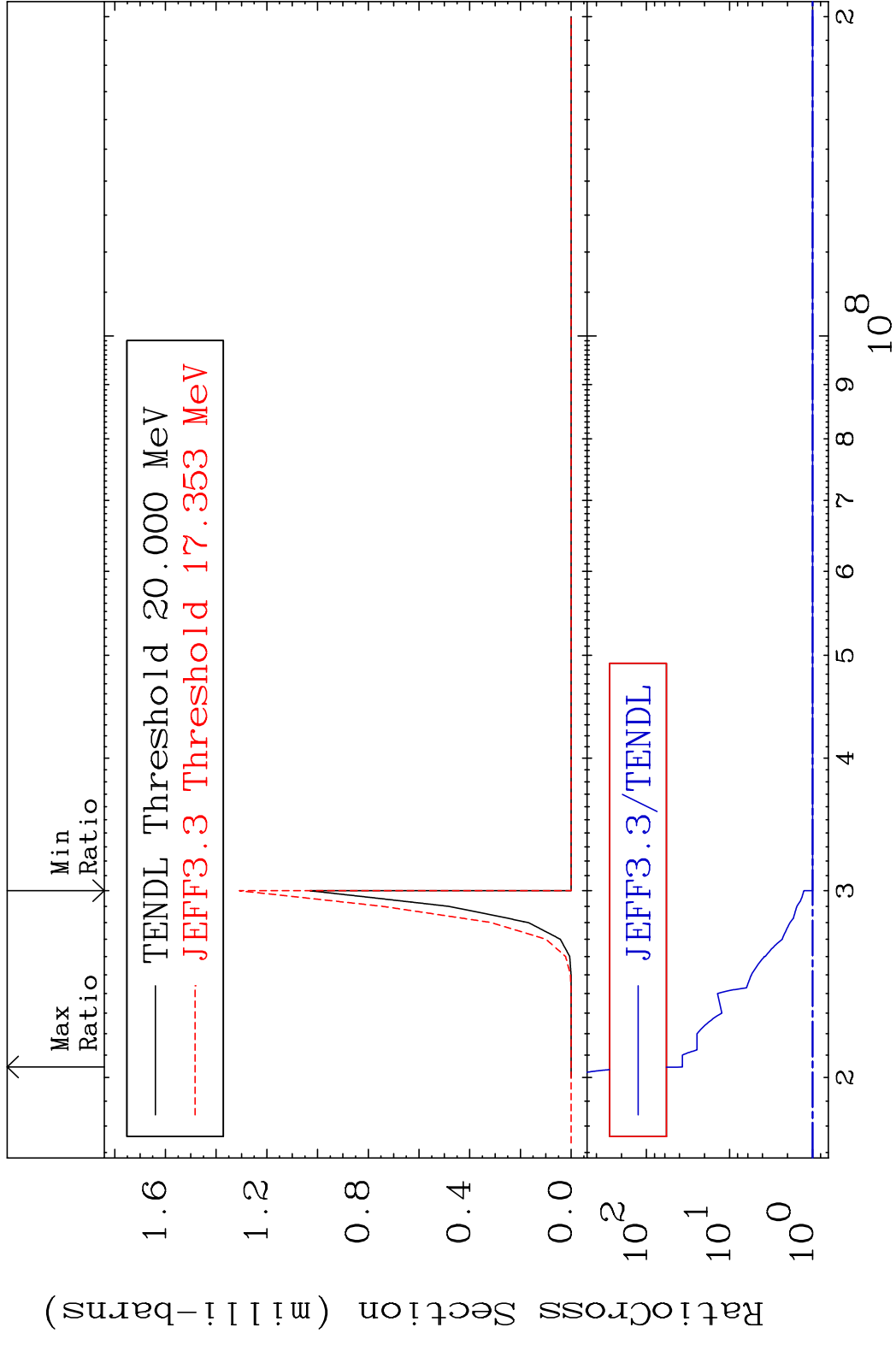


MAT 3643 (n,2n):36-Kr-83m2 36-Kr-84
 Radionuclide Production Cross Section 81.24 %

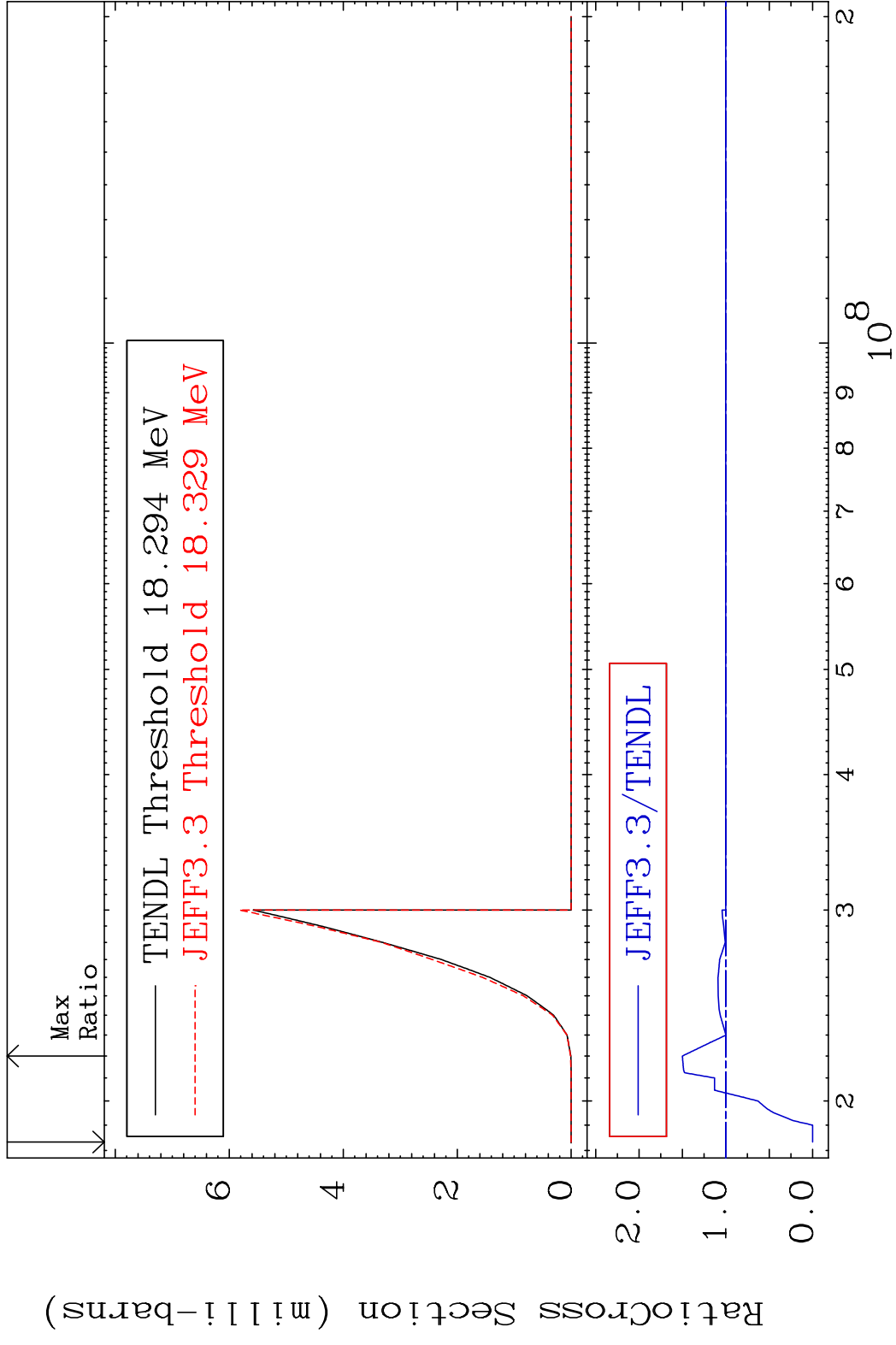


MAT 3643 (n,2n) α :34-Se-79g 36-Kr-84
Radionuclide Production Cross Section Ratio

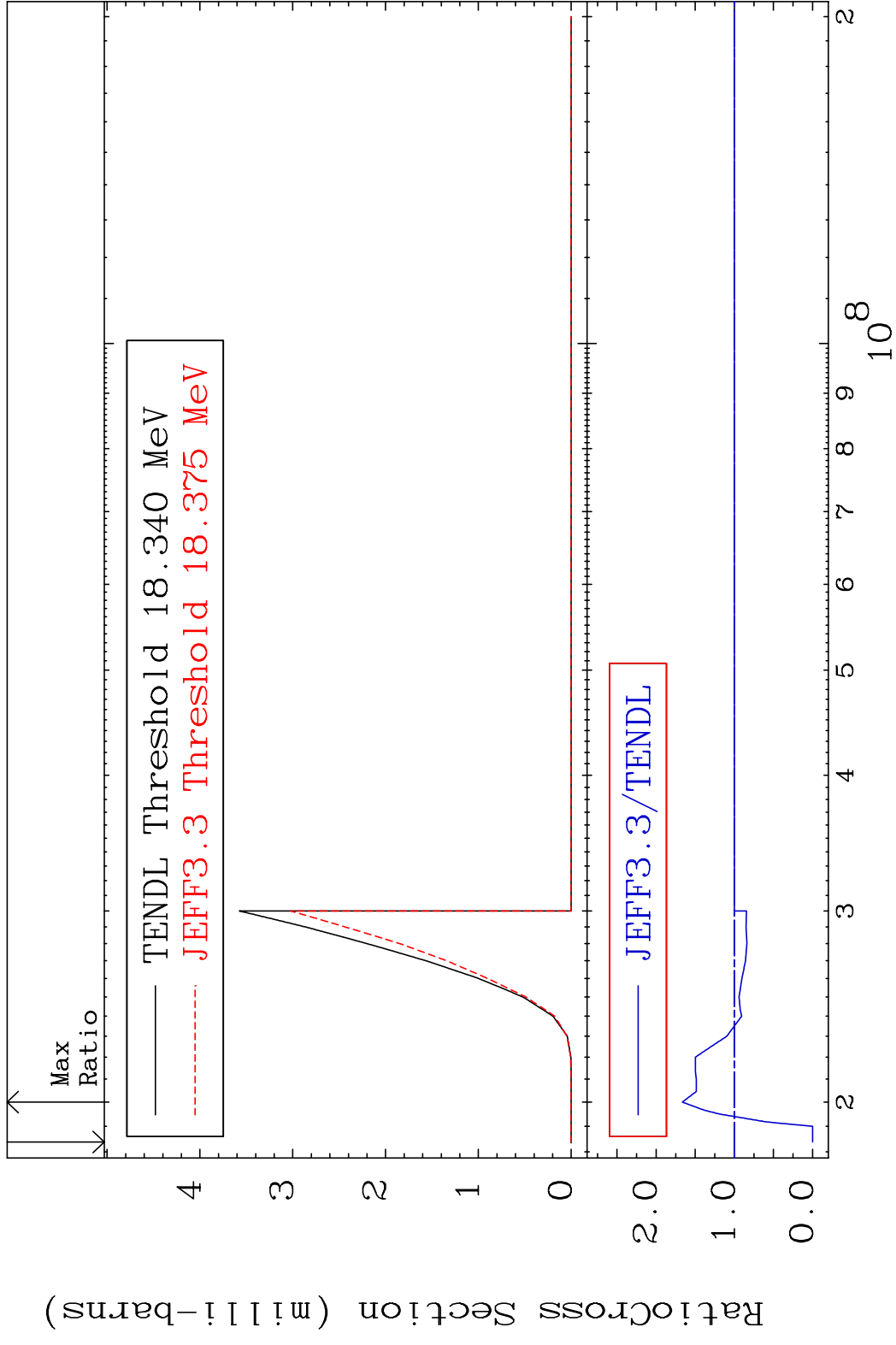


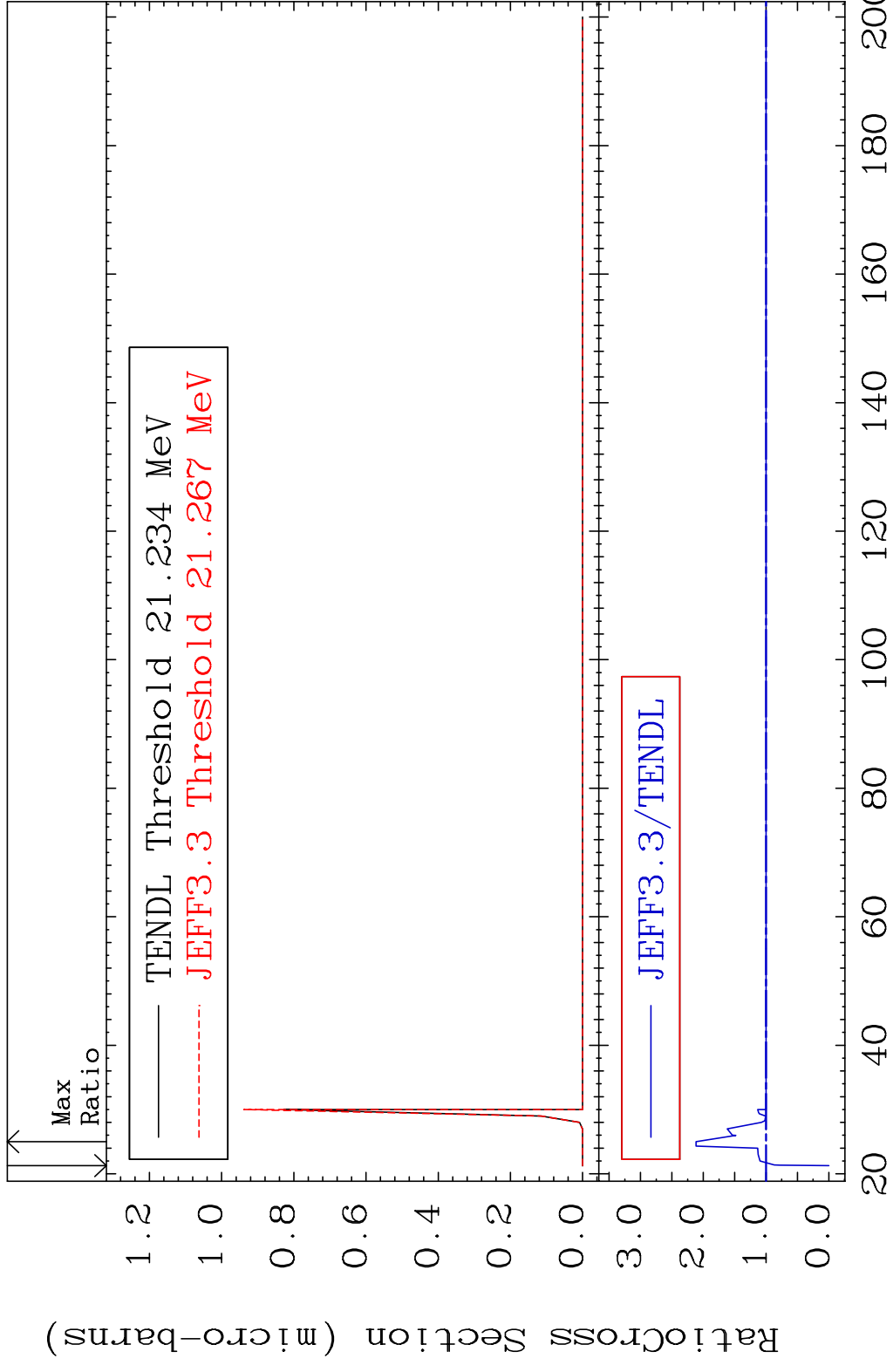


MAT 3643 (n, n') d:35-Br-82g 36-Kr-84
 Radionuclide Production Cross Section 18.329 MeV 50.04 %

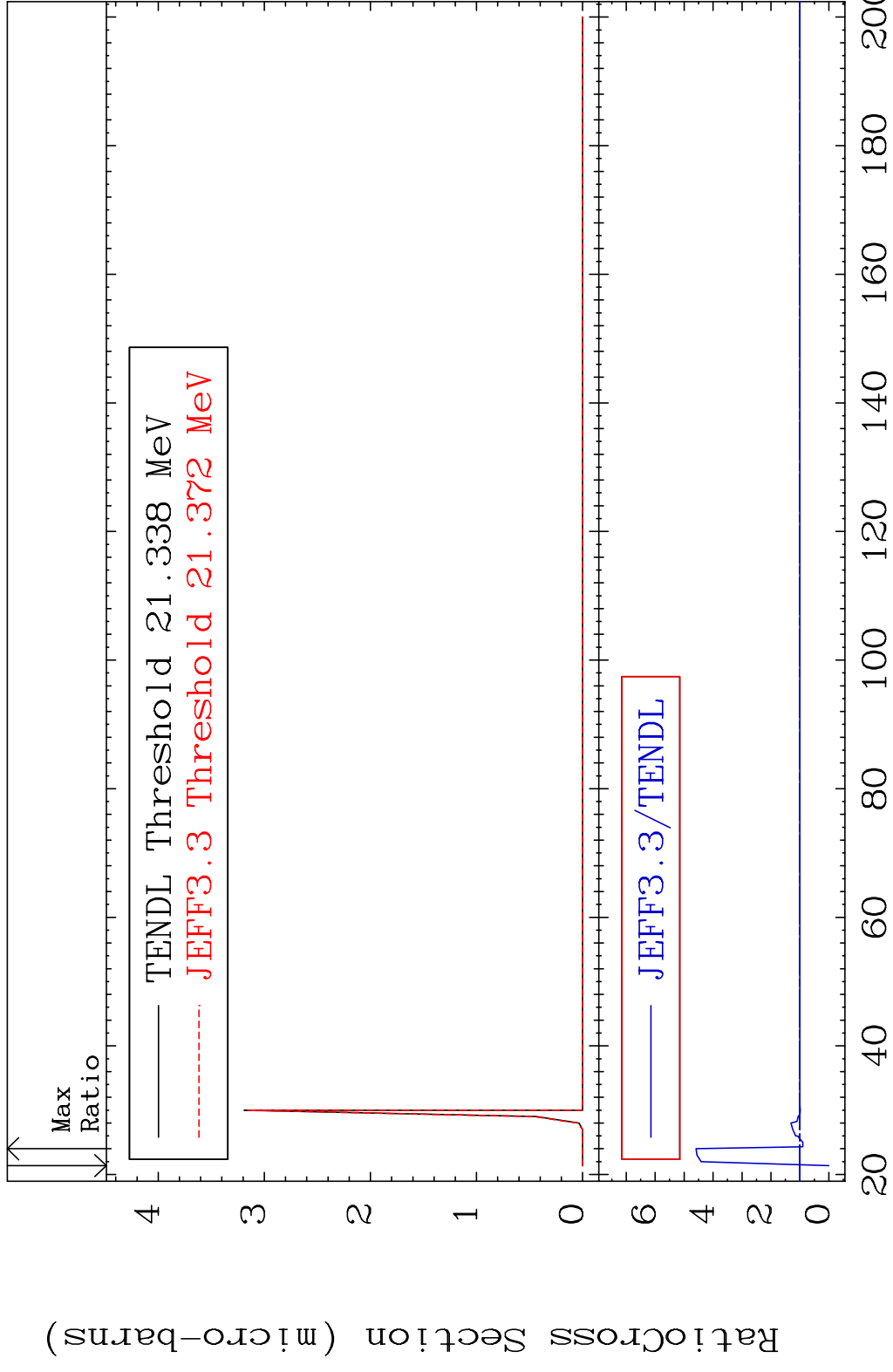


MAT 3643 (n, n') d:35-Br-82m1 36-Kr-84
 Radionuclide Production Cross Section Ratio 66.48 %



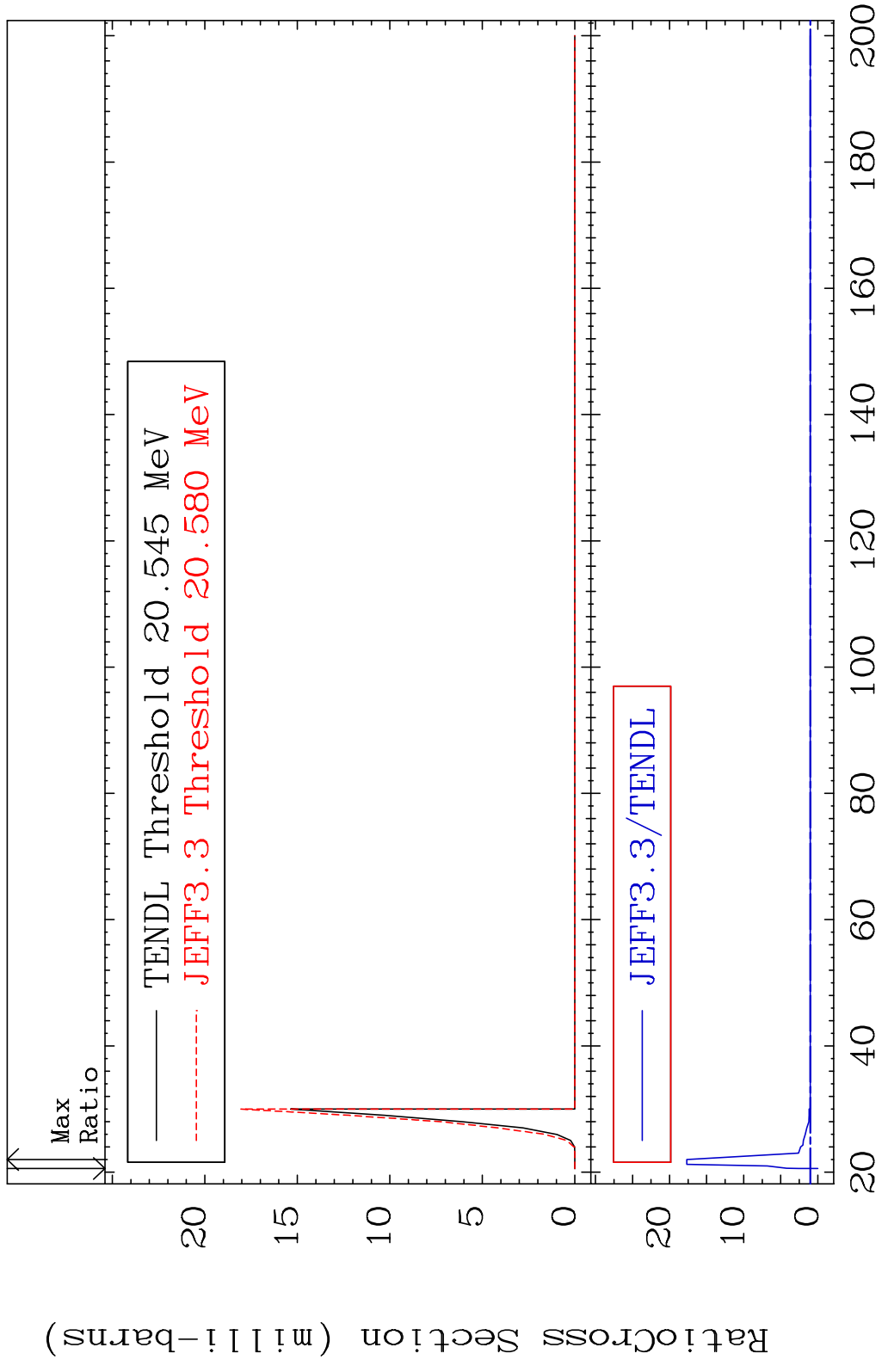


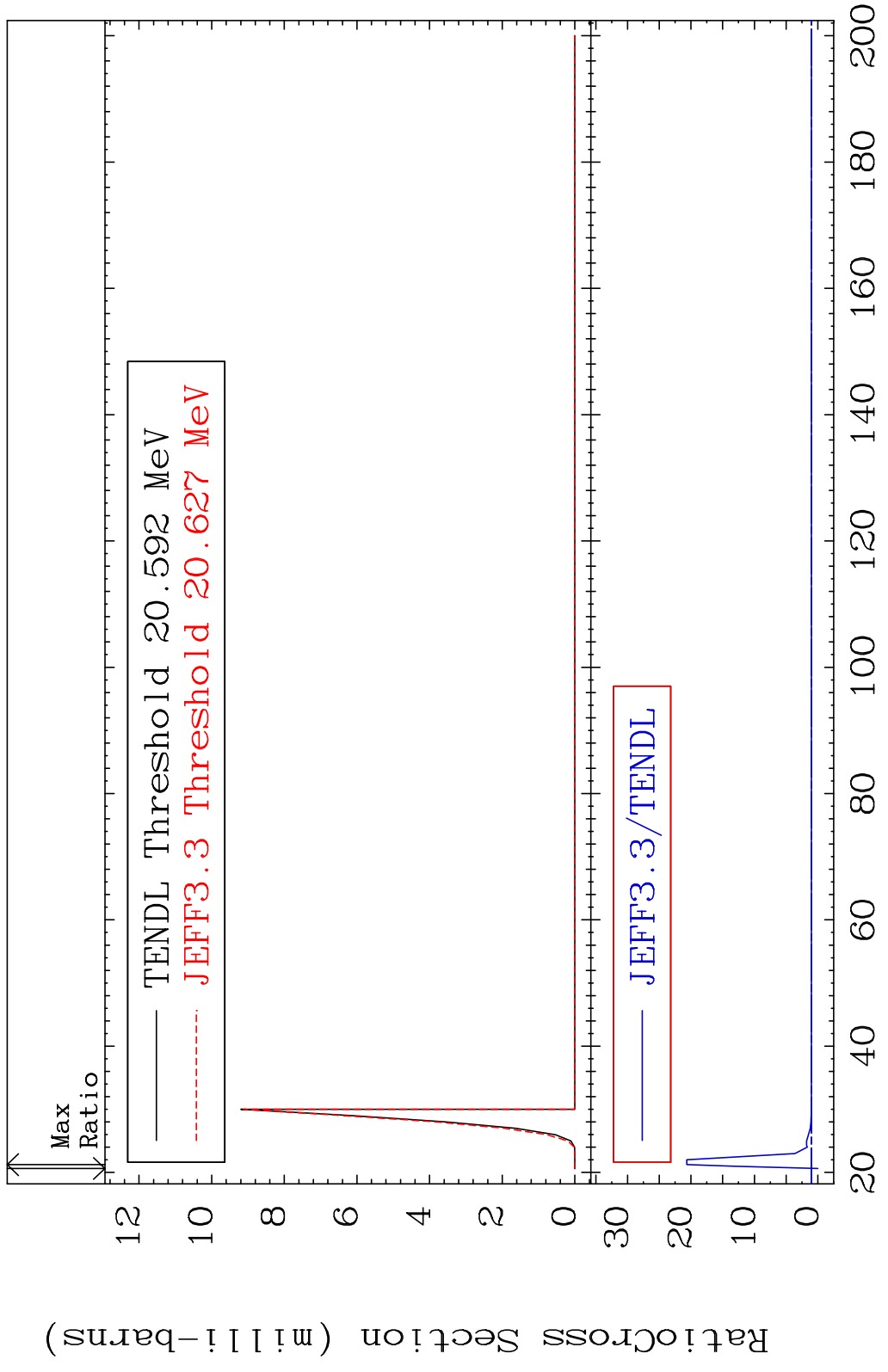
MAT 3643 (n, n') He-3:34-Se-81m1 36-Kr-84
 Radionuclide Production Cross Section 1800 d to 358.9 %

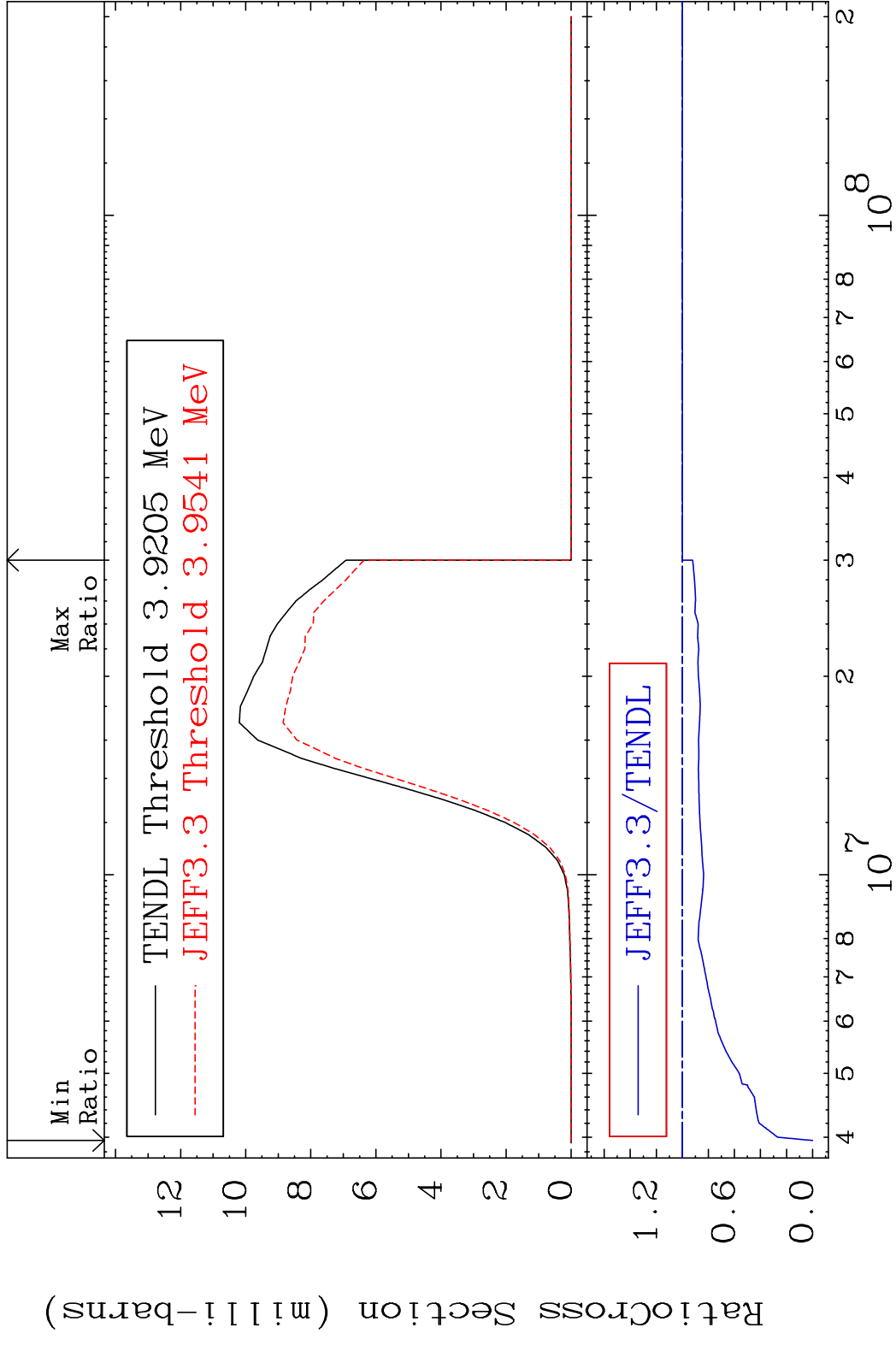


80 Incident Energy (MeV) 36-Kr-84

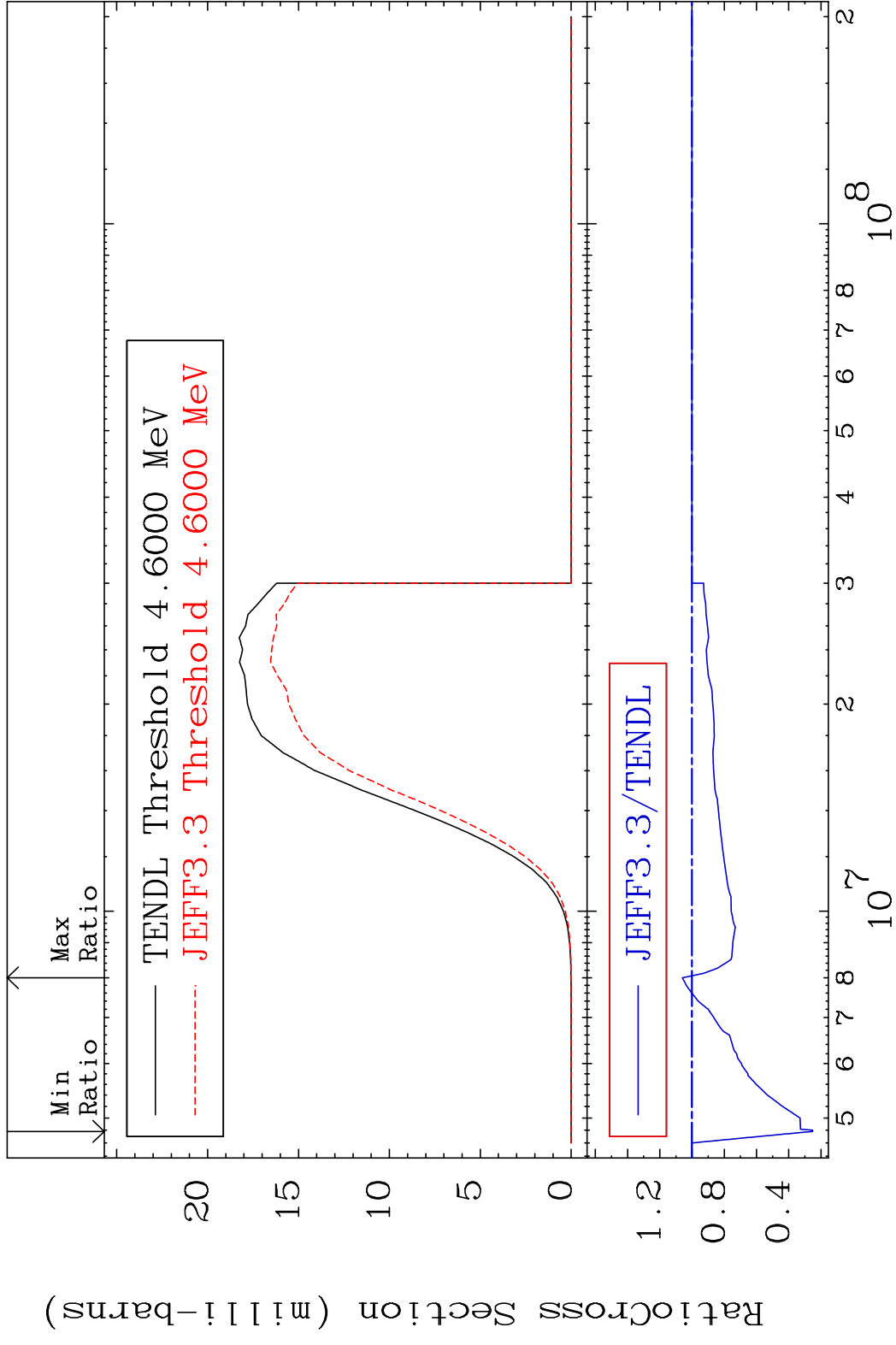
MAT 3643 (n,2n) p:35-Br-82g 36-Kr-84
 Radionuclide Production Cross Section 180c0i d10 1668. %



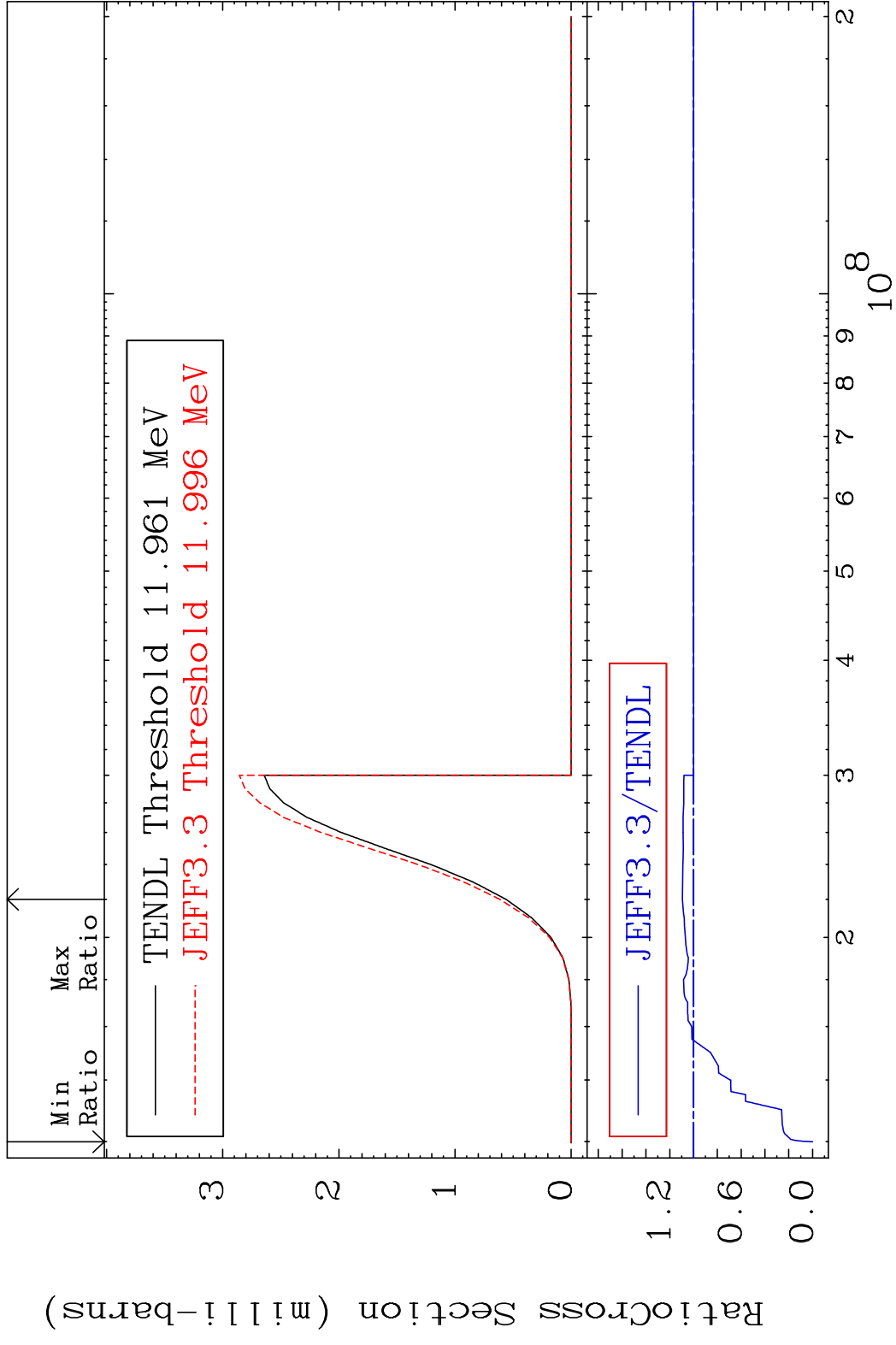




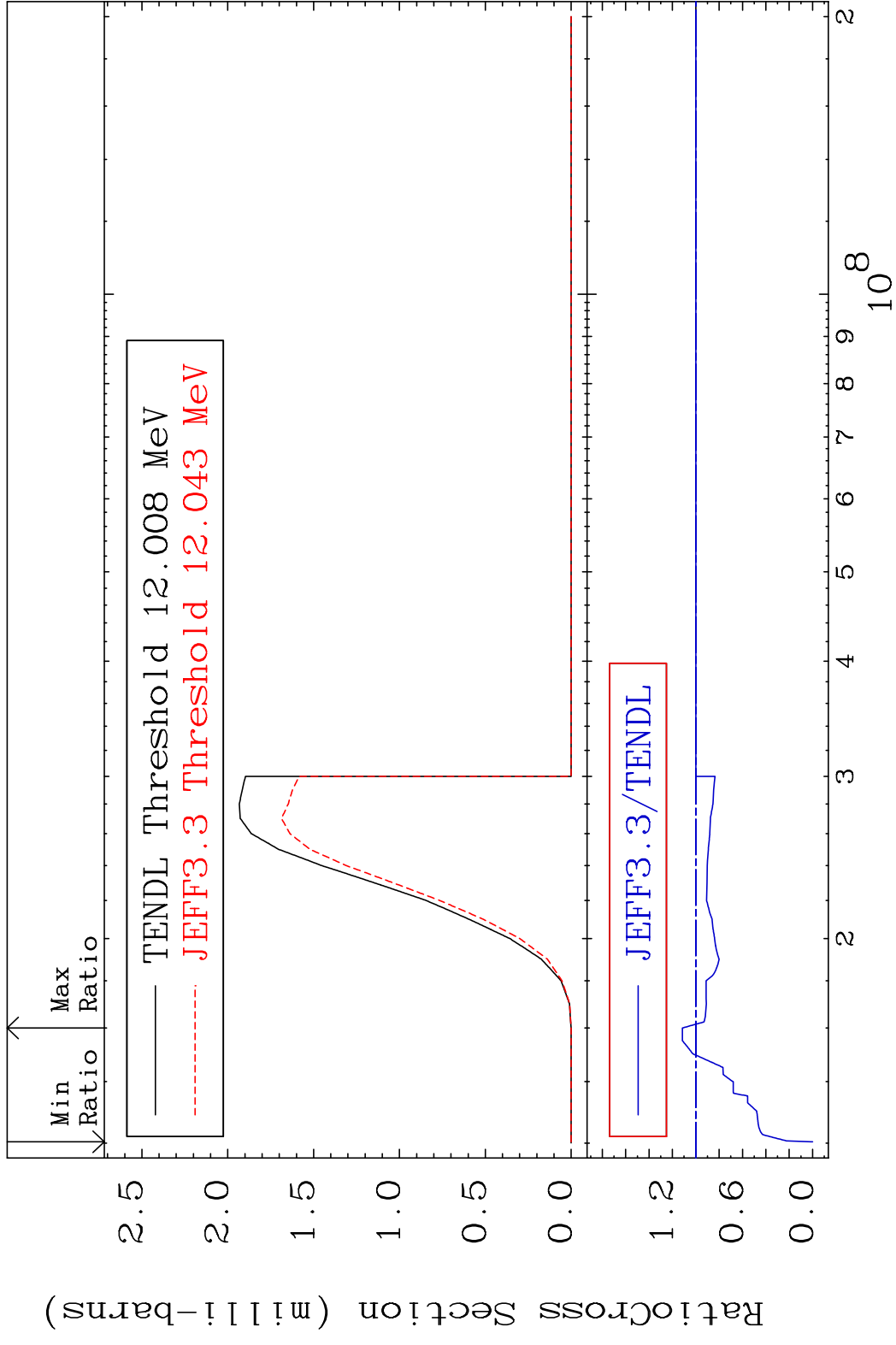
MAT 3643 (n, p):35-Br-84m1 36-Kr-84
 Radionuclide Production Cross Section 6.008 %



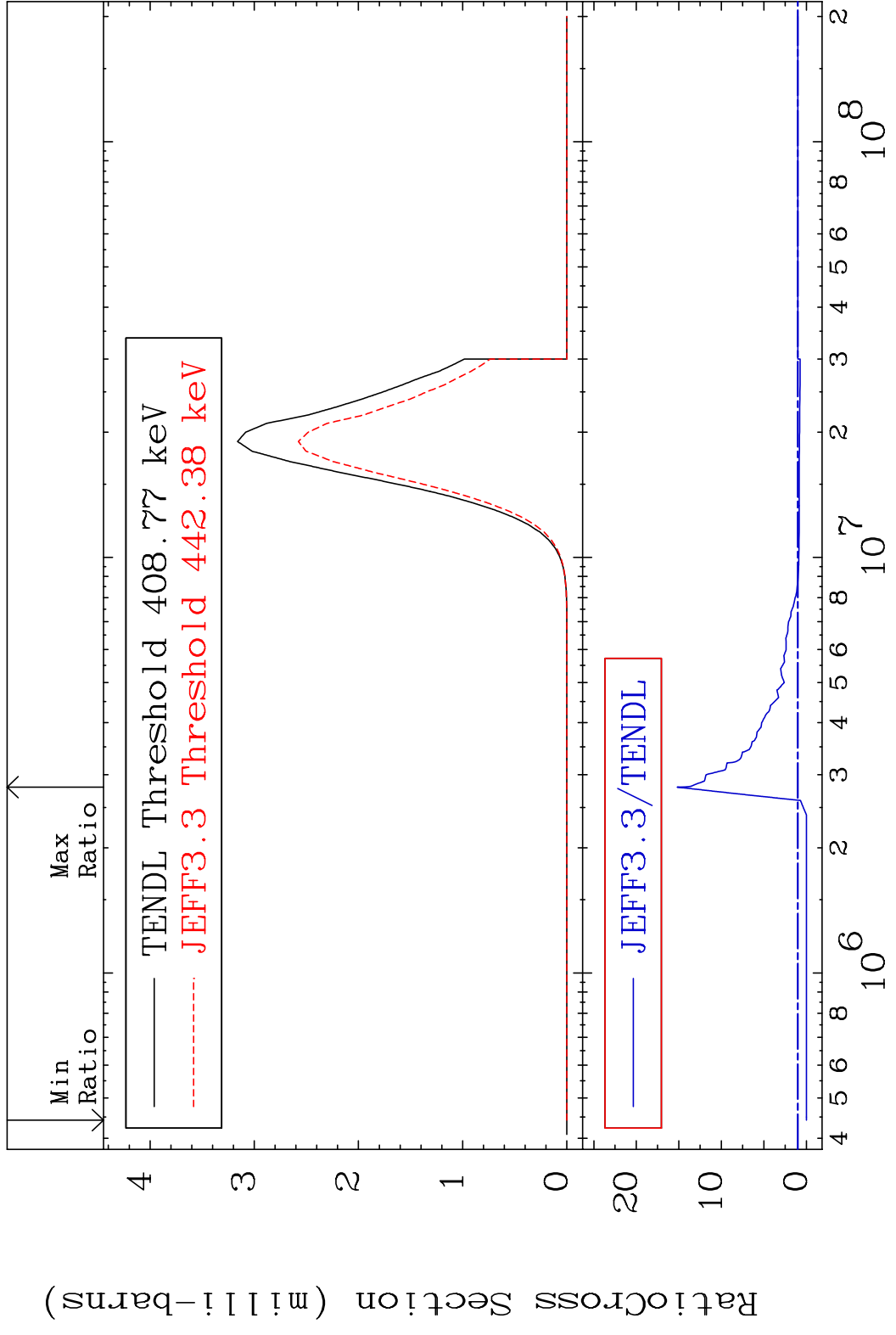
MAT 3643 (n, t): 35-Br-82g 36-Kr-84
 Radionuclide Production Cross Section Ratio 9.404 %



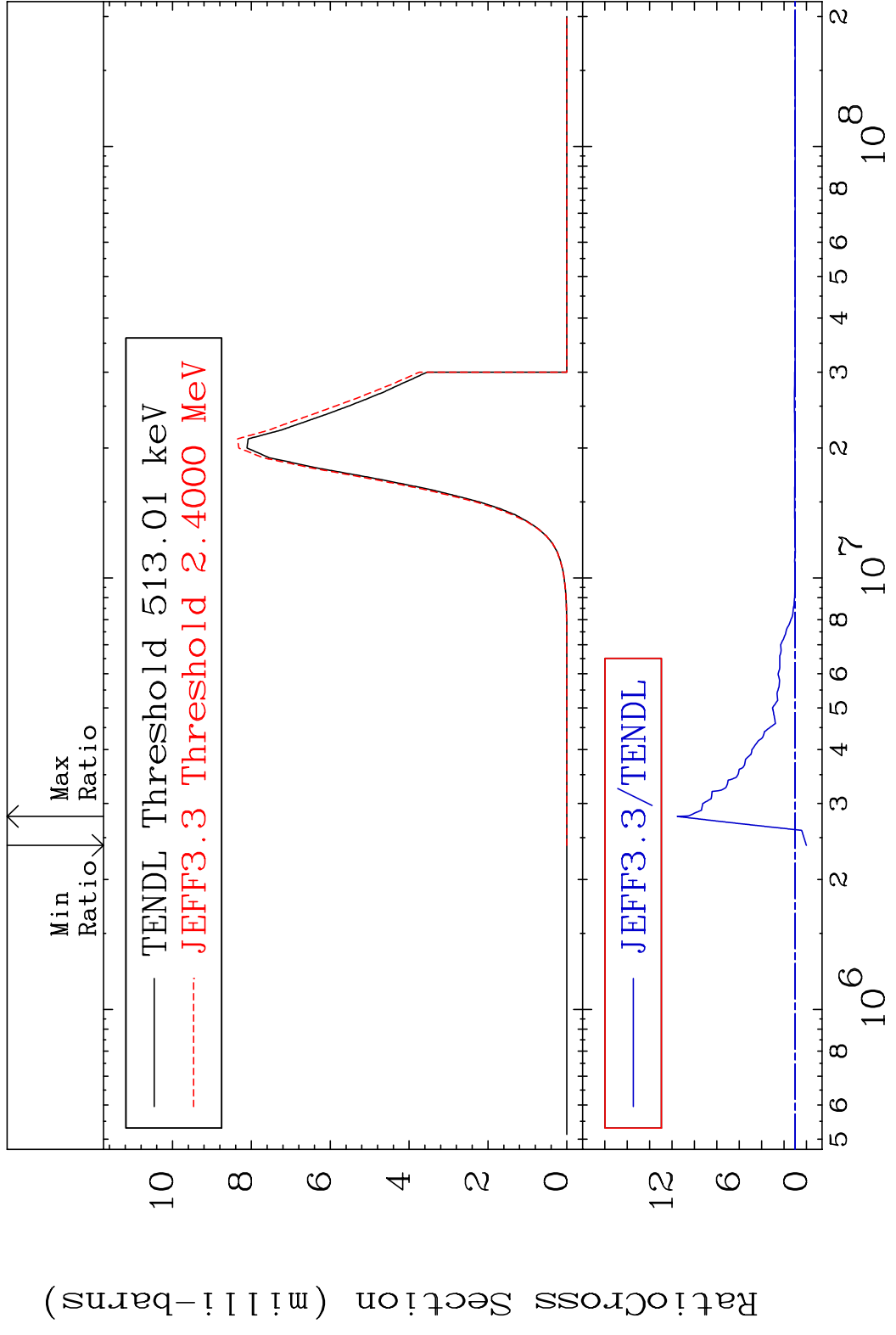
MAT 3643 (n, t):35-Br-82m1 36-Kr-84
 Radionuclide Production Cross Section 180.01 dno 11.48 %

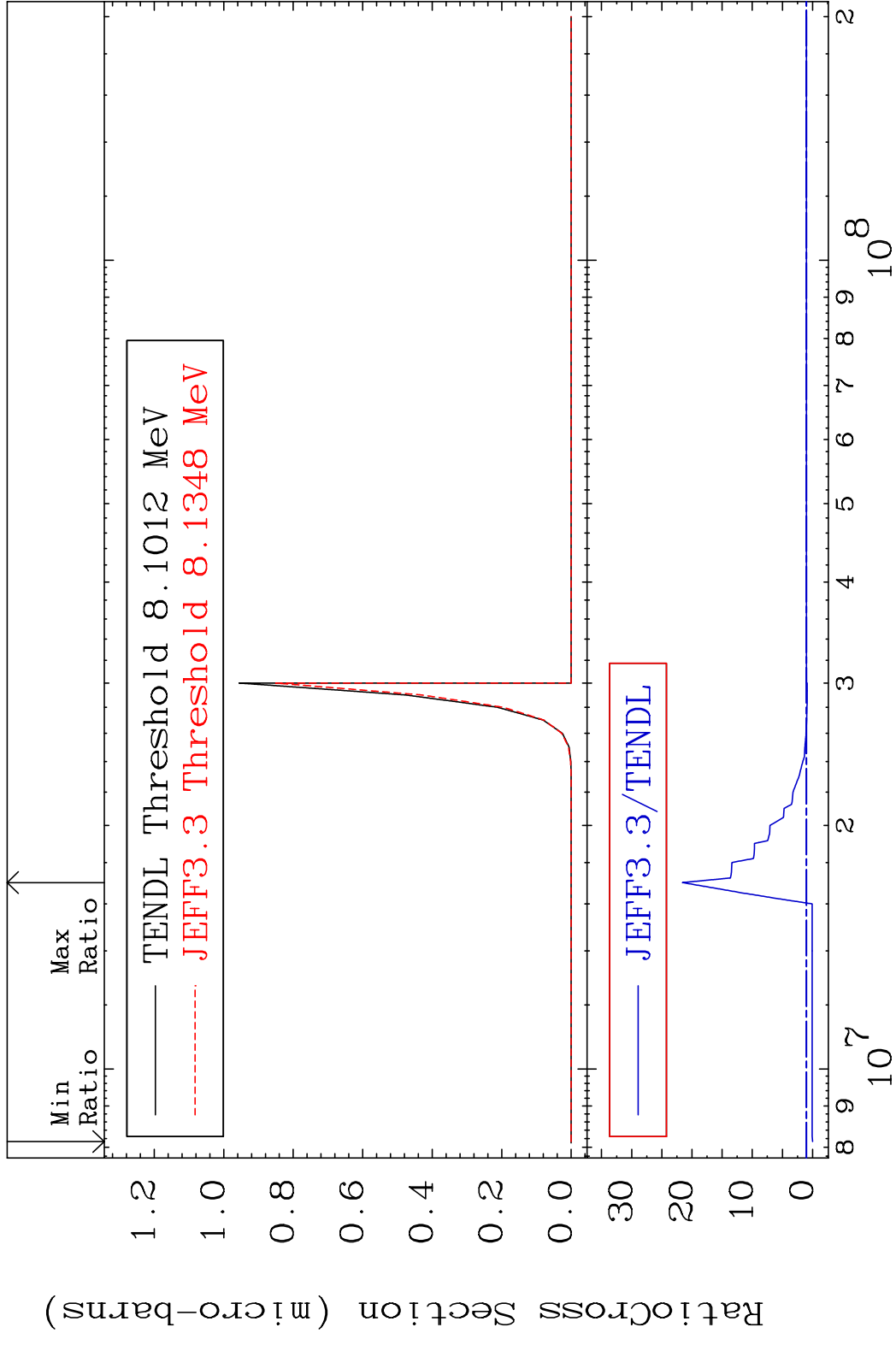


MAT 3643 (n, α) :34-Se-81g 36-Kr-84
 Radionuclide Production Cross Section 1800.0 dno 1420. %

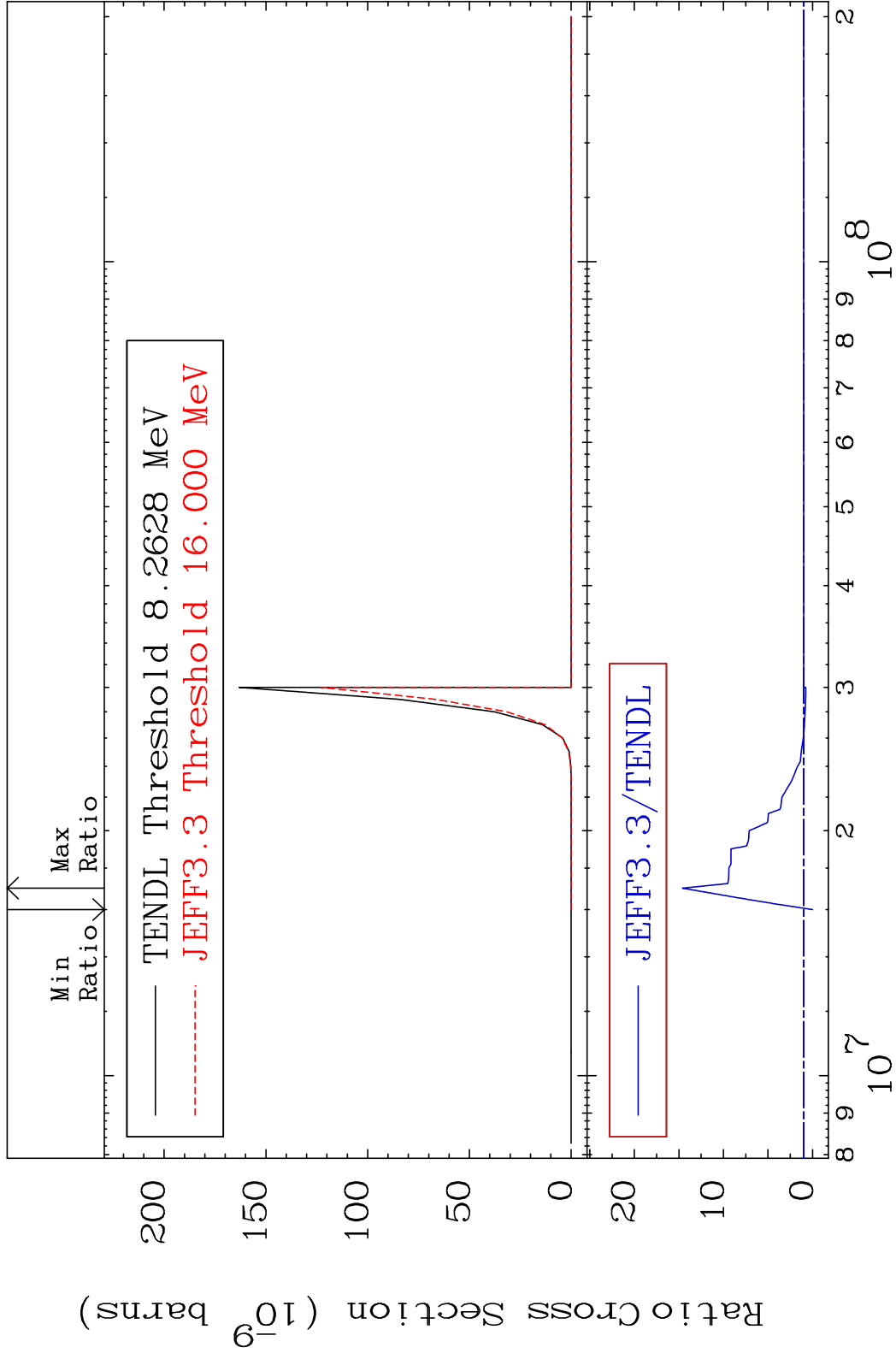


MAT 3643 (n,α):34-Se-81m1 36-Kr-84
 Radionuclide Production Cross Section 100% to 1054. %



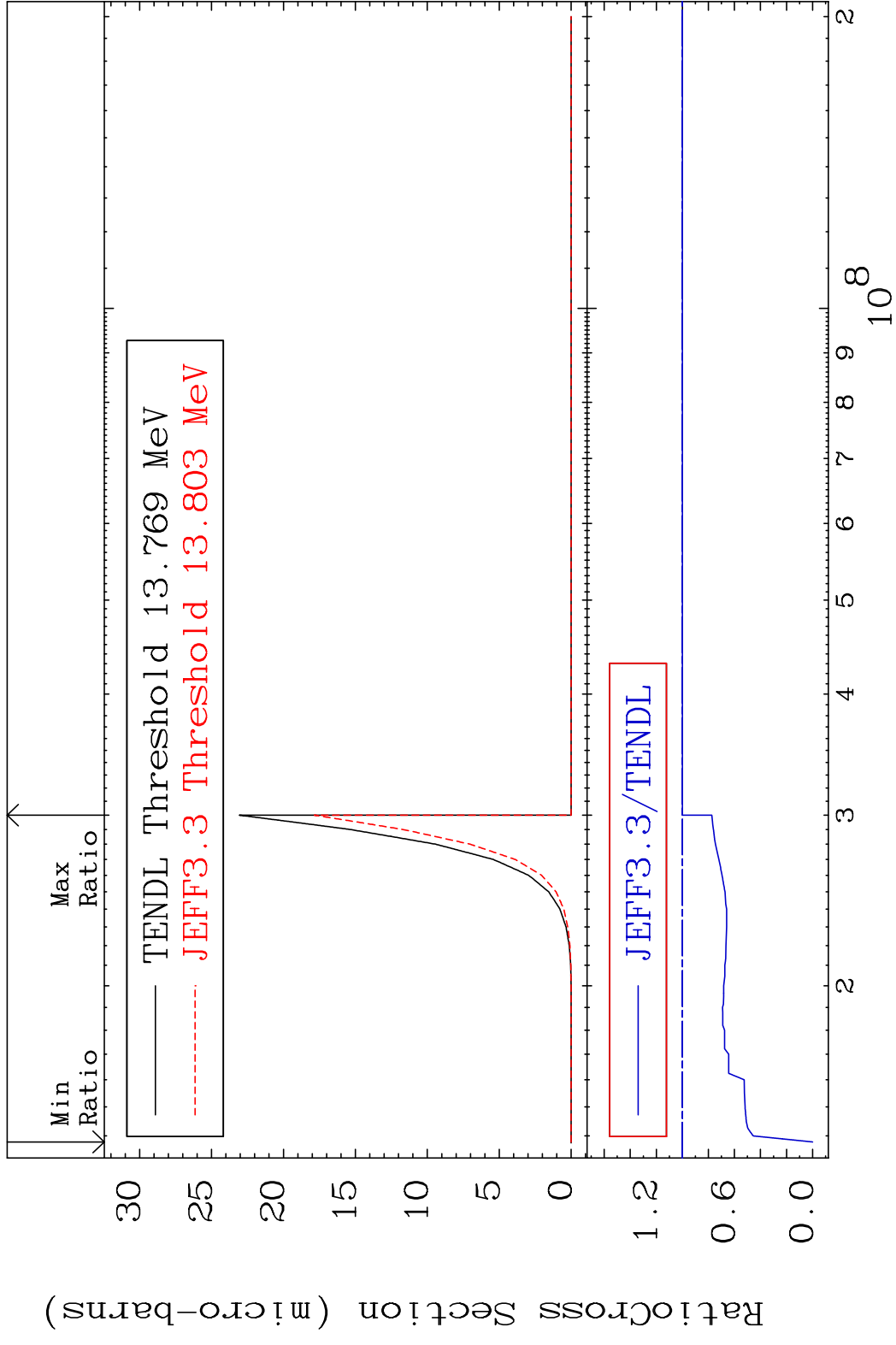


MAT 3643 (n,2α):32-Ge-77m1 36-Kr-84
 Radionuclide Production Cross Section Ratio 1361. %

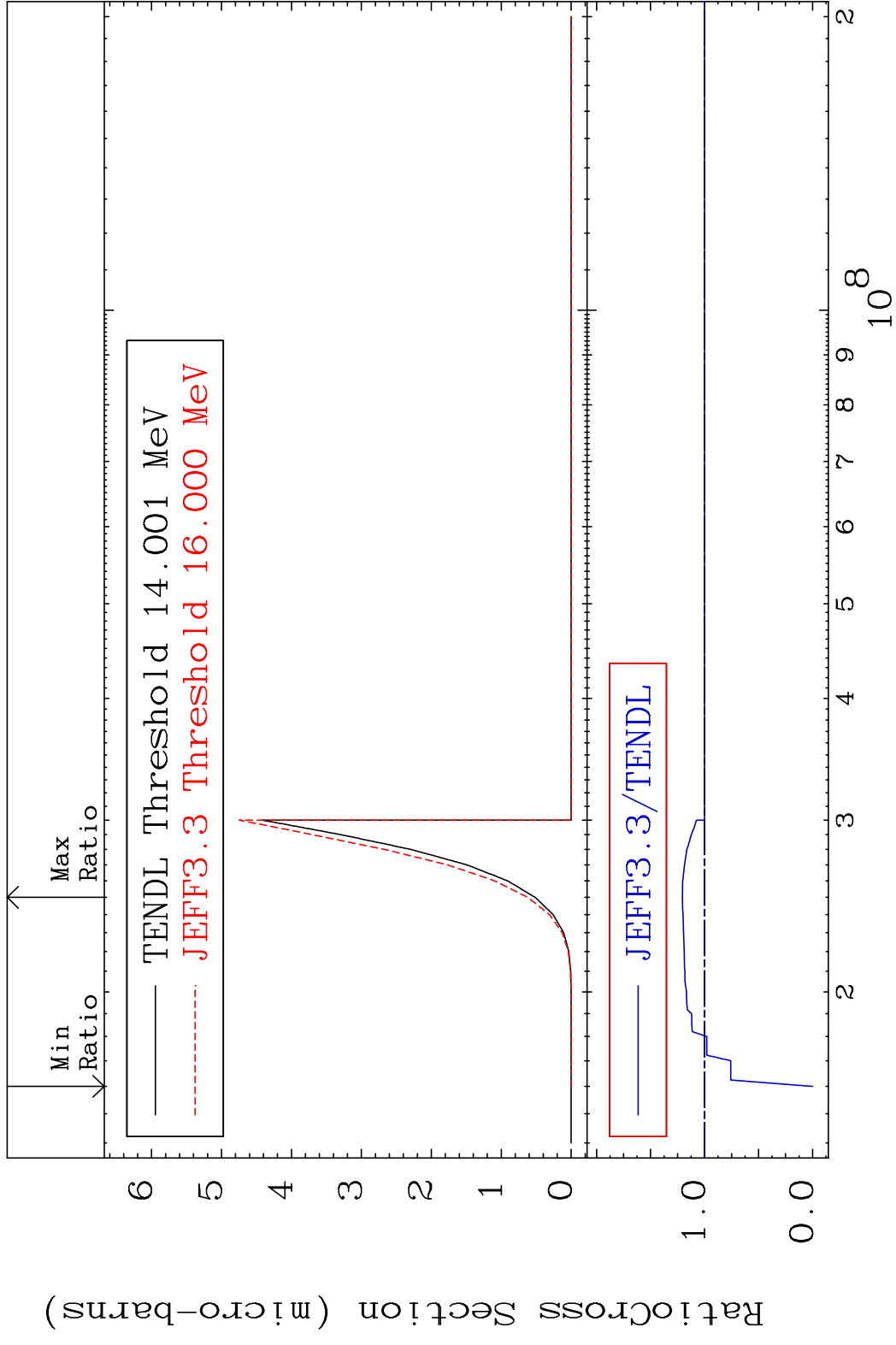


90 Incident Energy (eV) 36-Kr-84

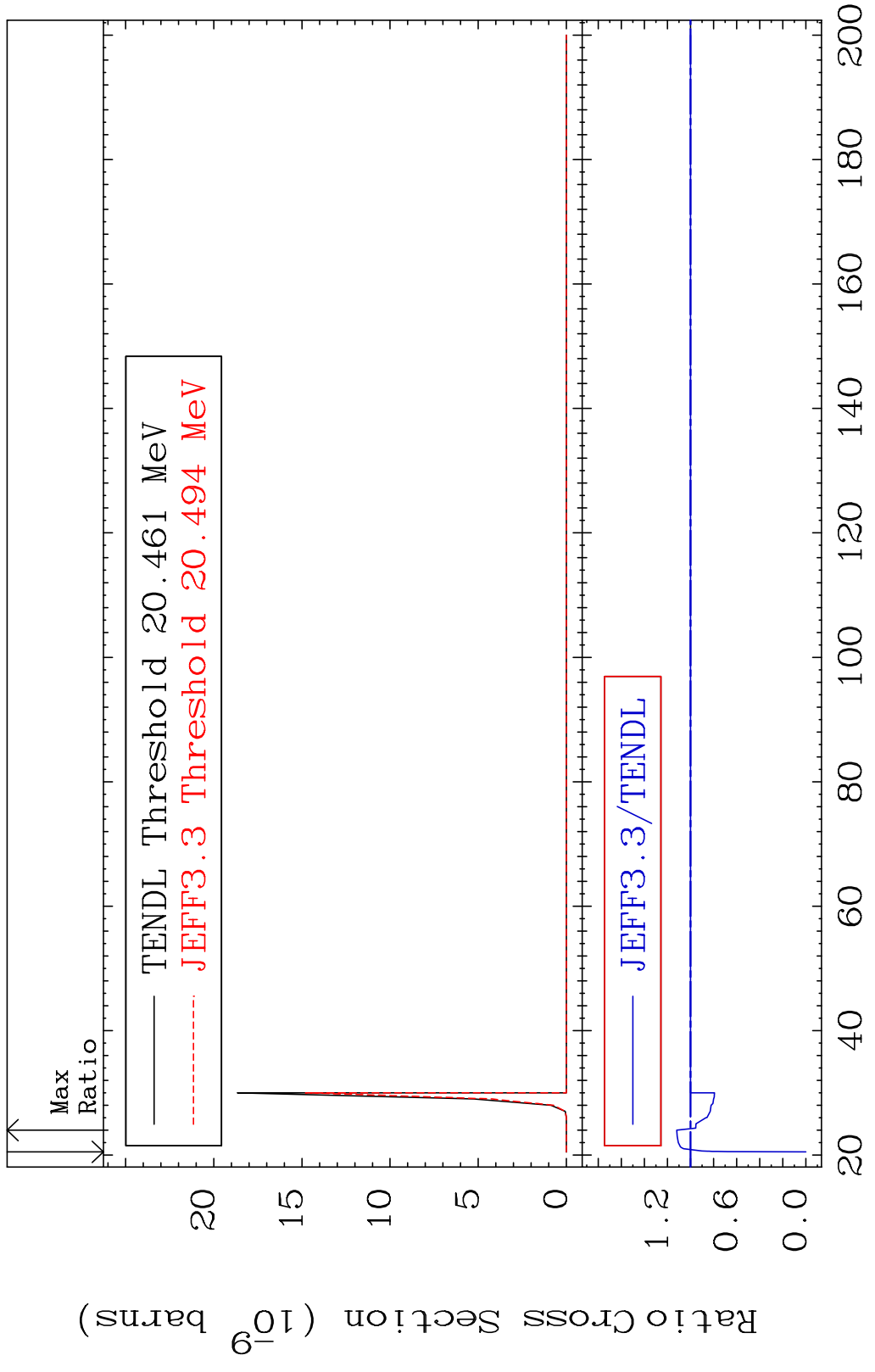
MAT 3643 (n,2p):34-Se-83g 36-Kr-84
 Radionuclide Production Cross Section Ratio 0.000 %



MAT 3643 (n,2p):34-Se-83m1 36-Kr-84
 Radionuclide Production Cross Section Ratio 20.56 %



MAT 3643 (n,p) t:34-Se-81g 36-Kr-84
 Radionuclide Production Cross Section 1800 d 11.99 %



MAT 3643 (n,p) t:34-Se-81m1 36-Kr-84
 Radionuclide Production Cross Section 180.01 dth 12.66 %

