

Program Complot
(Version 2021-1)

by

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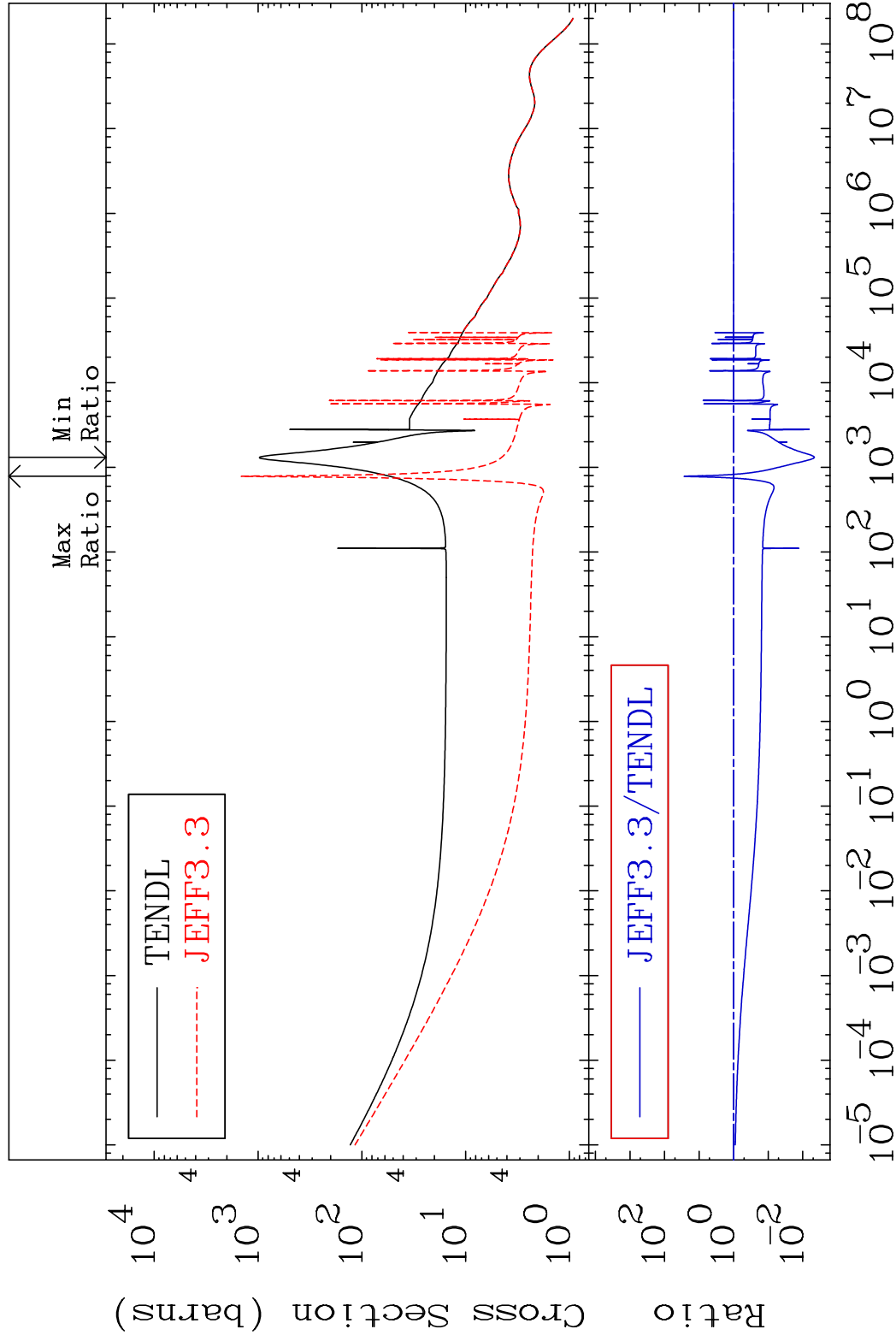
Press Mouse Button to Start

MAT 2134

Total

21-Sc-48

Cross Section -99.54 To 2625. %



1

Incident Energy (eV)

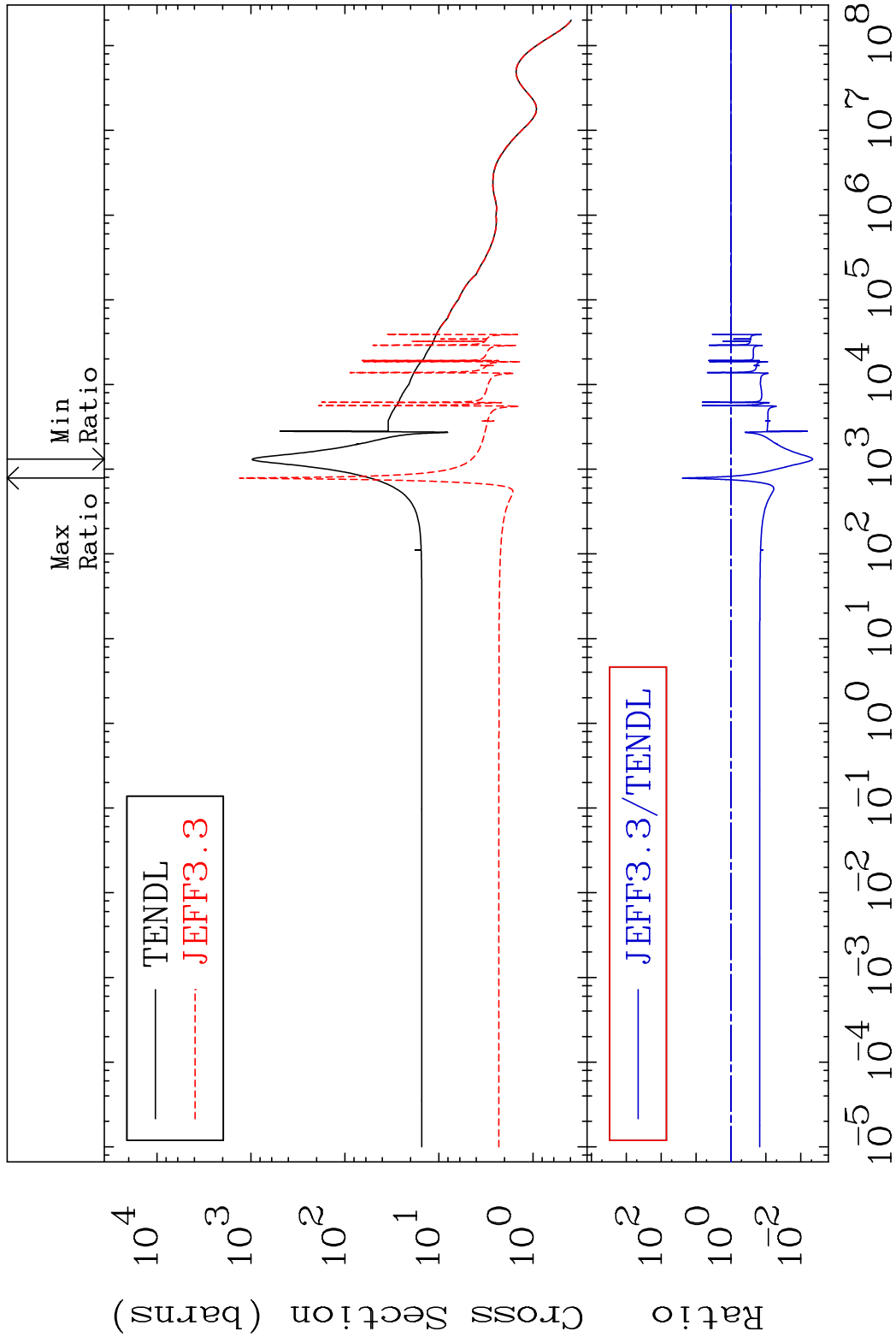
21-Sc-48

MAT 2134

Elastic

21-Sc-48

Cross Section -99.54 To 2387. %

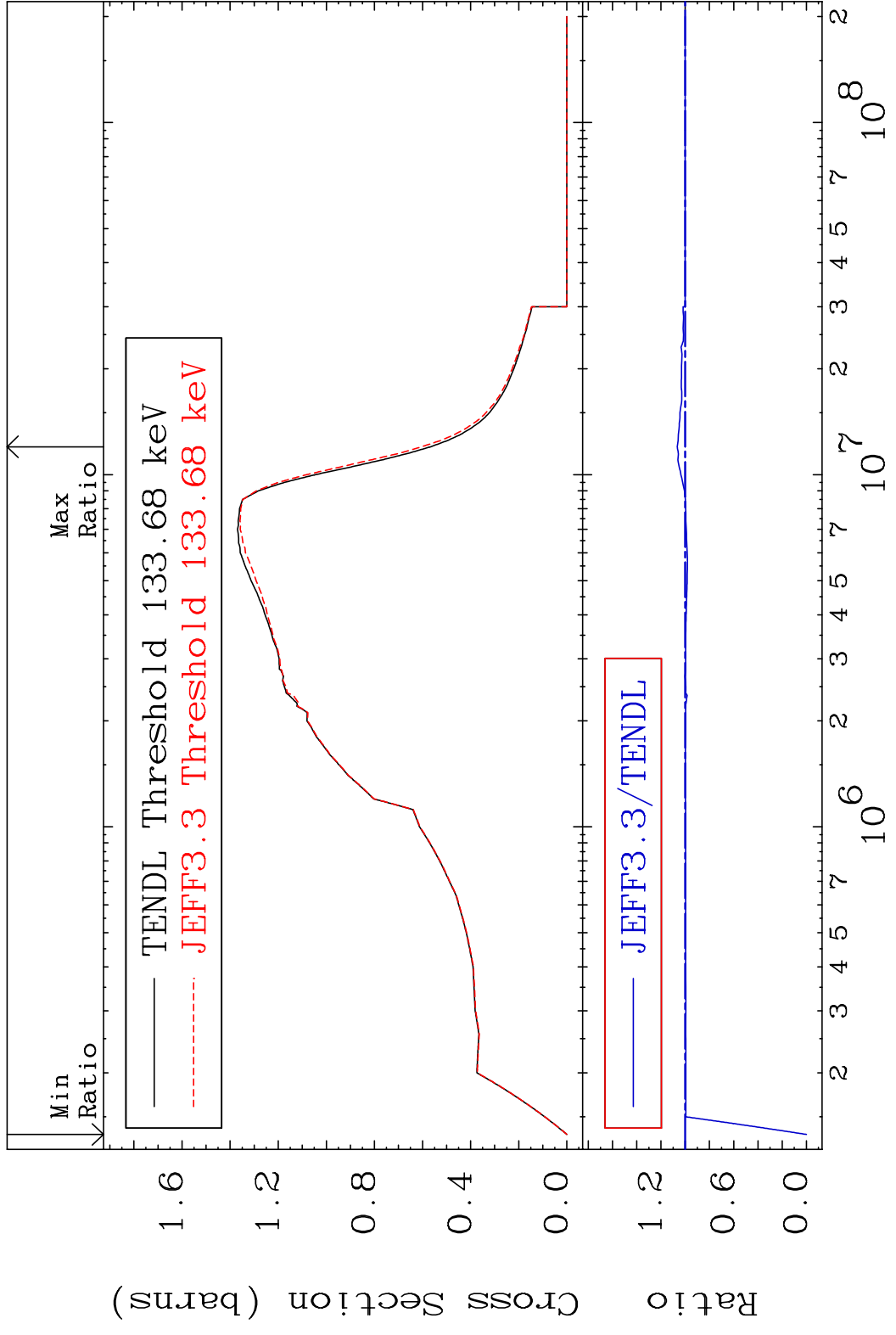


2

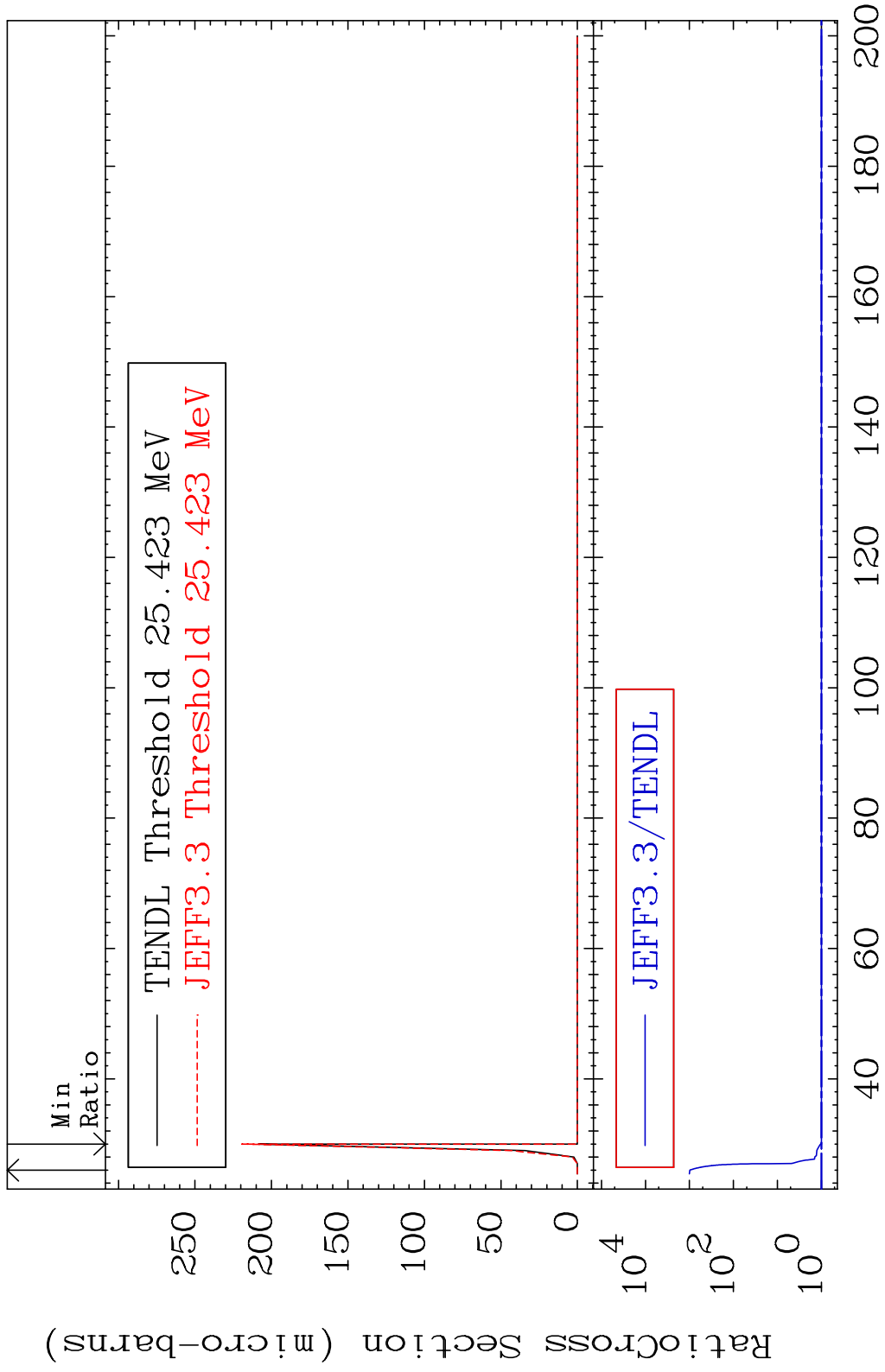
Incident Energy (eV)

21-Sc-48

MAT 2134 Inelastic 21-Sc-48
 Cross Section -100.0 To 6.627 %



MAT 2134 (n,2n) d 21-Sc-48
Cross Section 0.000 To 9999. %



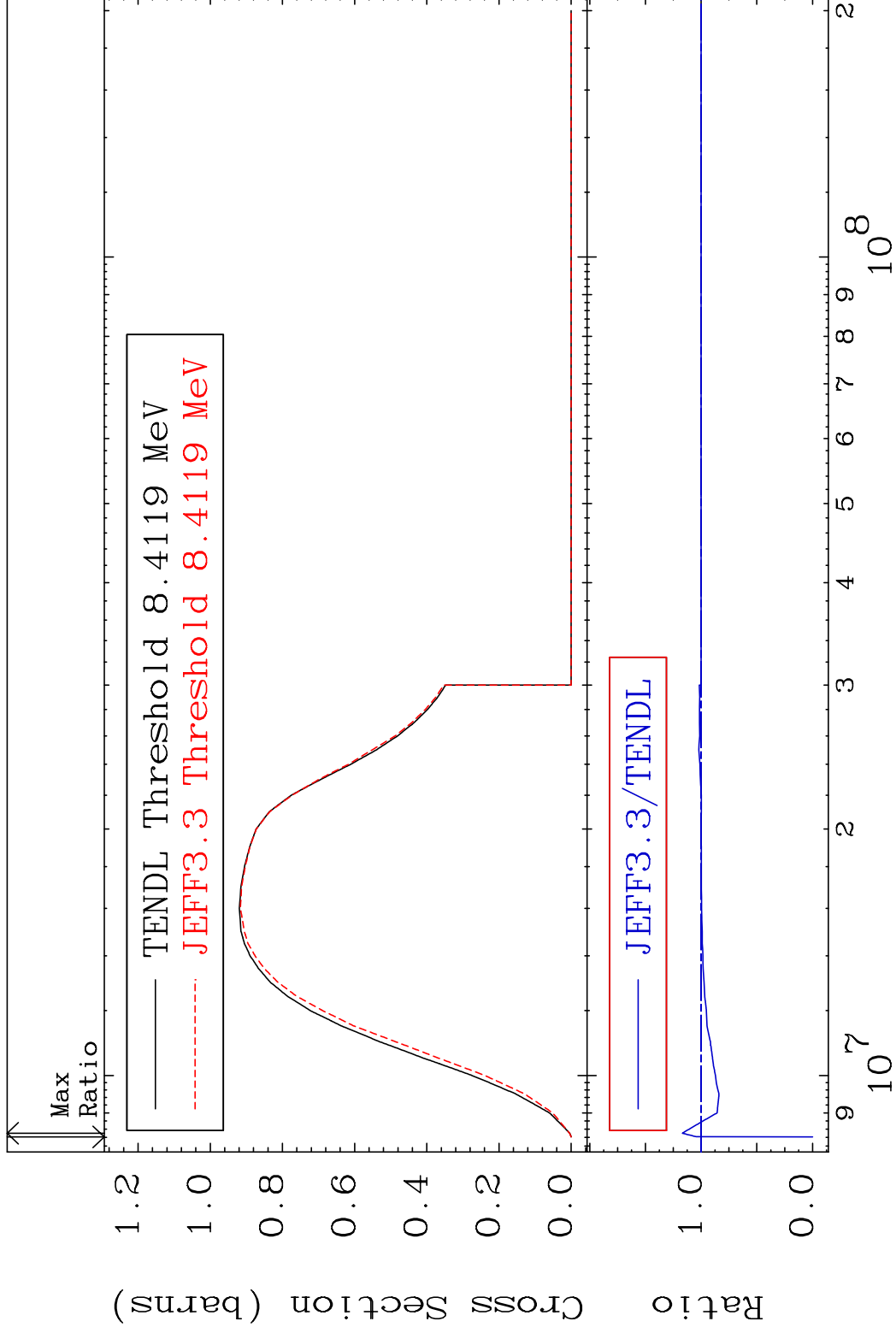
4 Incident Energy (MeV) 21-Sc-48

MAT 2134

(n,2n)

21-Sc-48

Cross Section -100.0 To 16.85 %

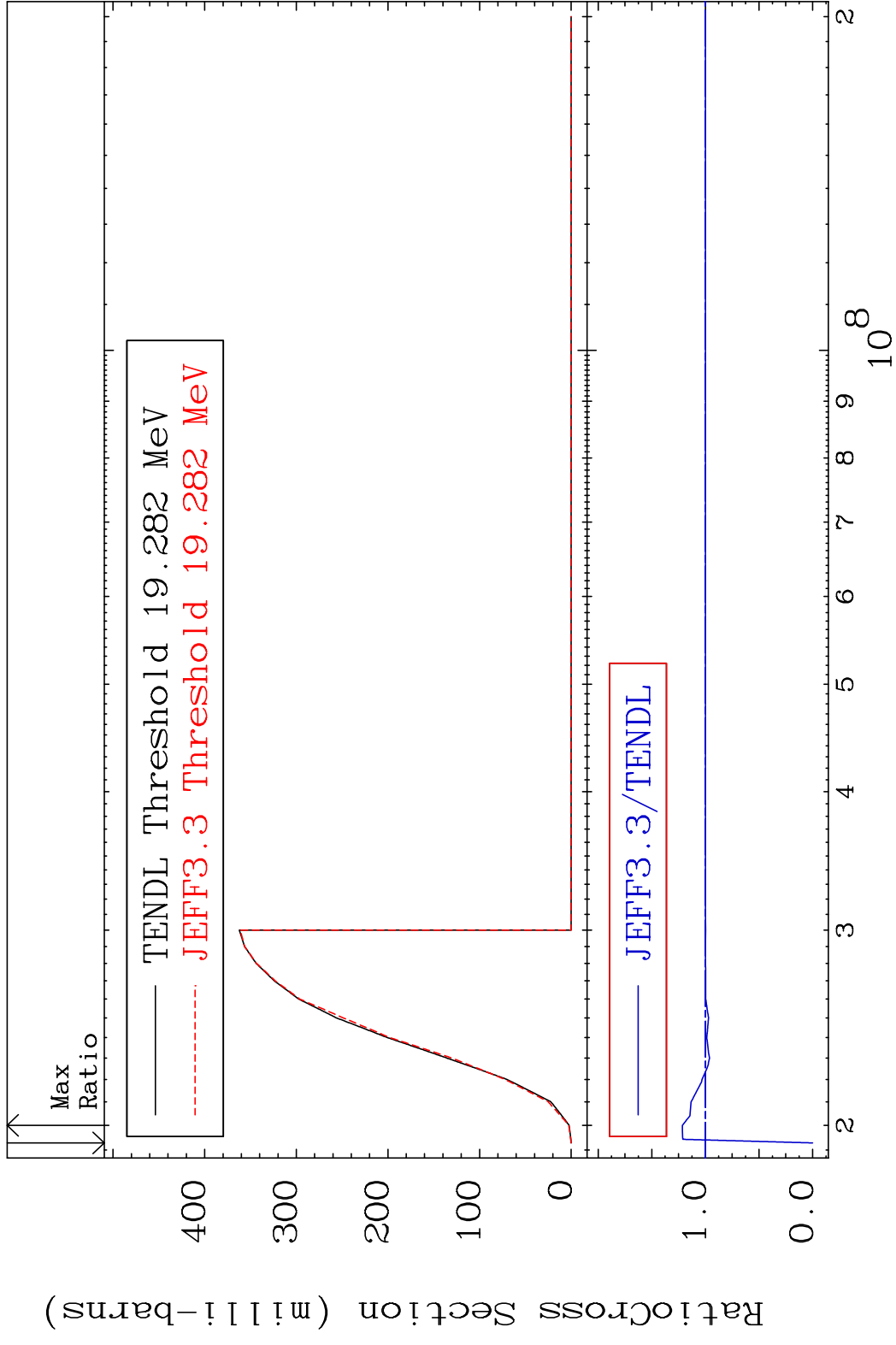


5

Incident Energy (eV)

21-Sc-48

MAT 2134 (n,3n) 21-Sc-48
 Cross Section -100.0 To 21.46 %



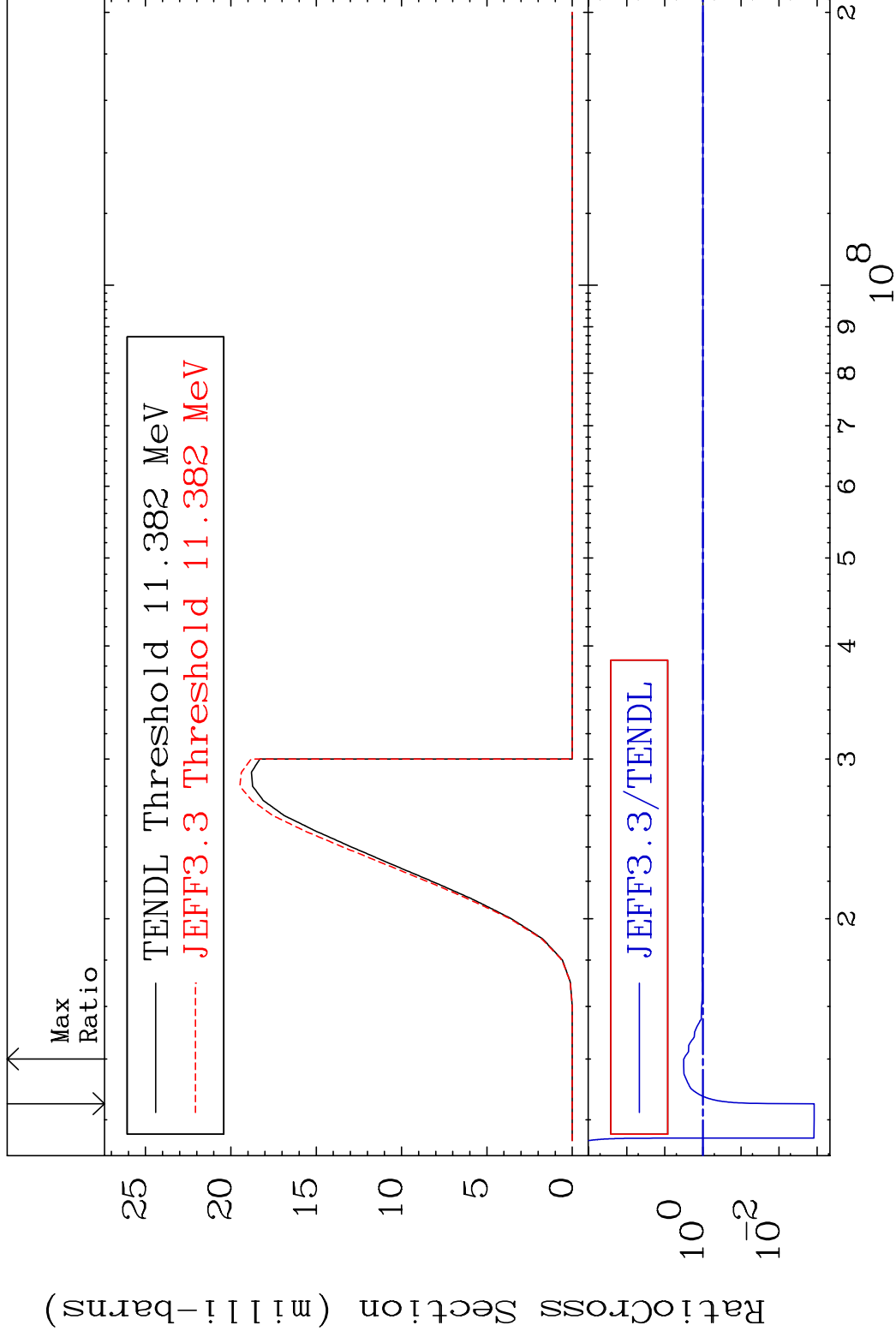
6 6 Incident Energy (eV) 21-Sc-48

MAT 2134

(n, n') α

21-Sc-48

Cross Section -99.88 To 220.2 %

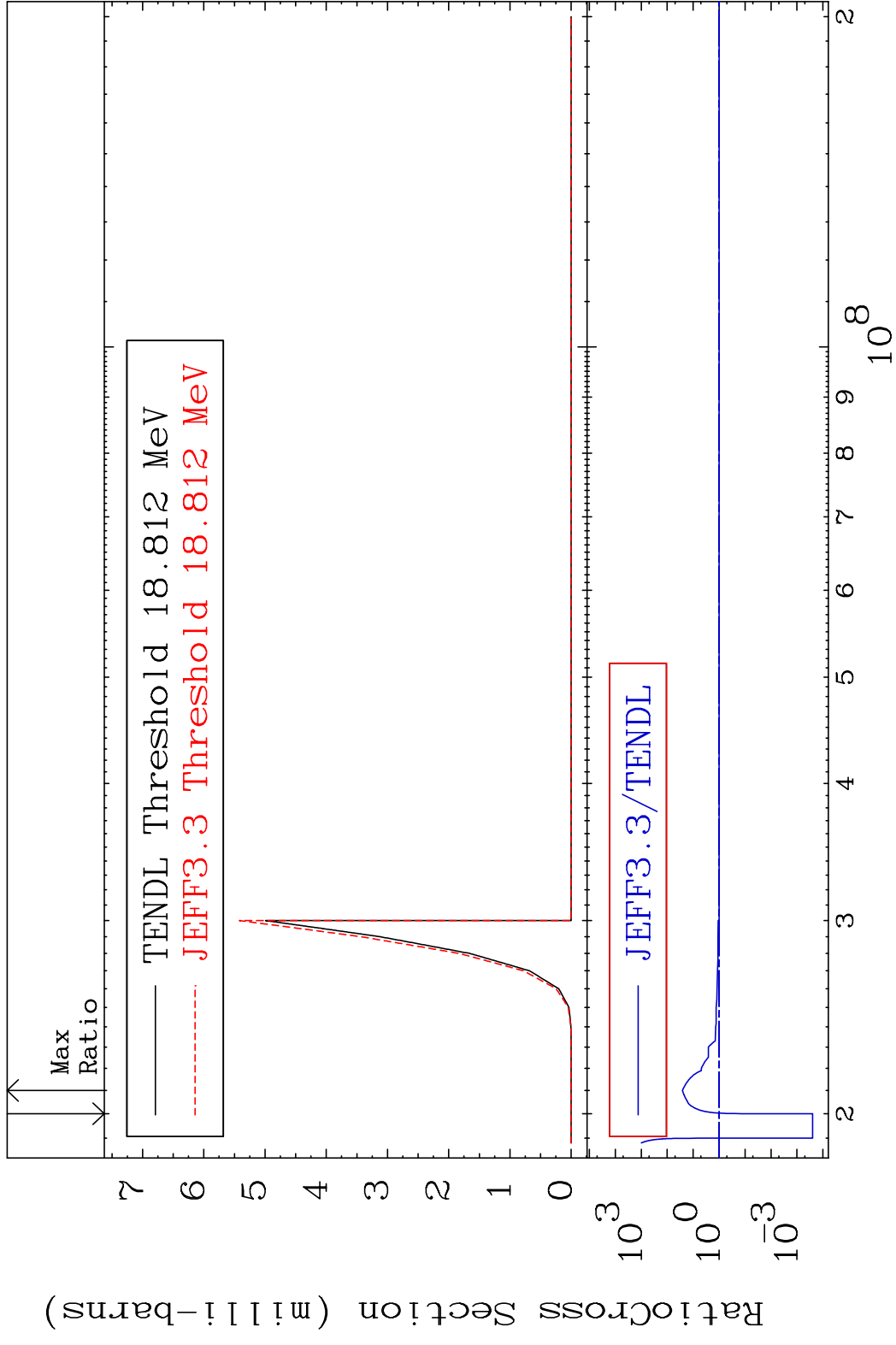


7

Incident Energy (eV)

21-Sc-48

MAT 2134 (n,2n) α 21-Sc-48
 Cross Section -99.97 To 2510. %

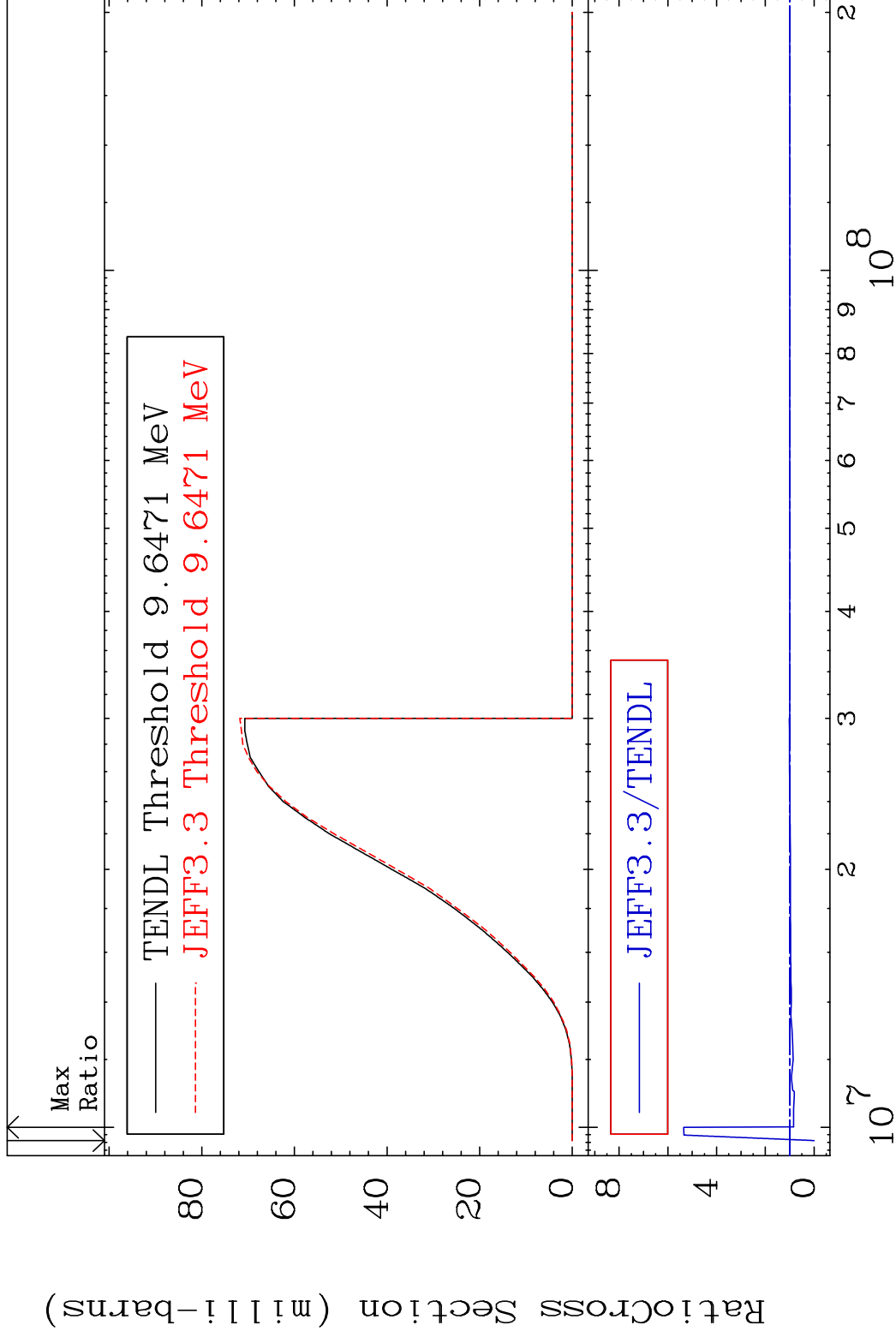


MAT 2134

(n, n') p

21-Sc-48

Cross Section -100.0 To 435.2 %



9

Incident Energy (eV)

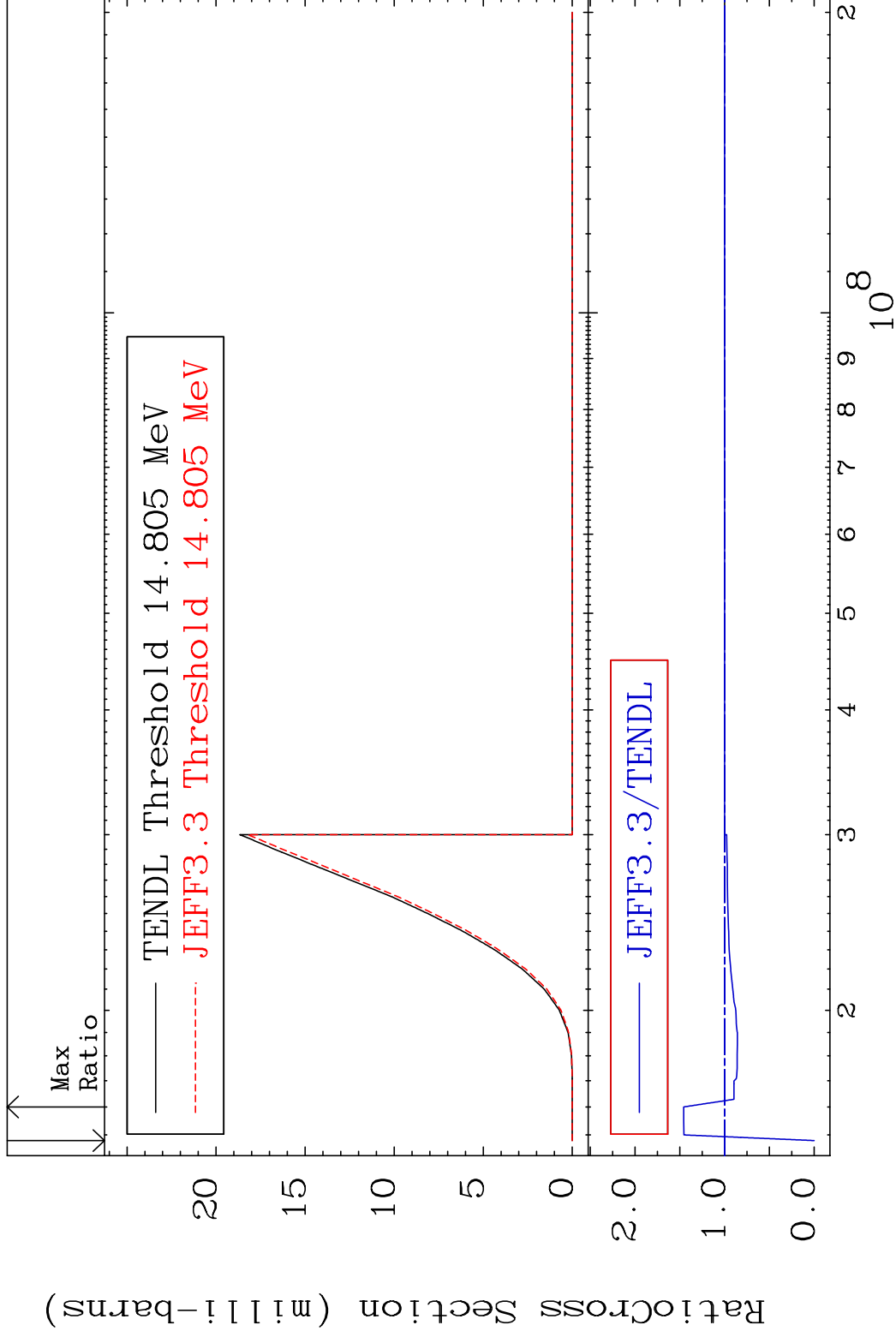
21-Sc-48

MAT 2134

(n, n') d

21-Sc-48

Cross Section -100.0 To 45.70 %



10

Incident Energy (eV)

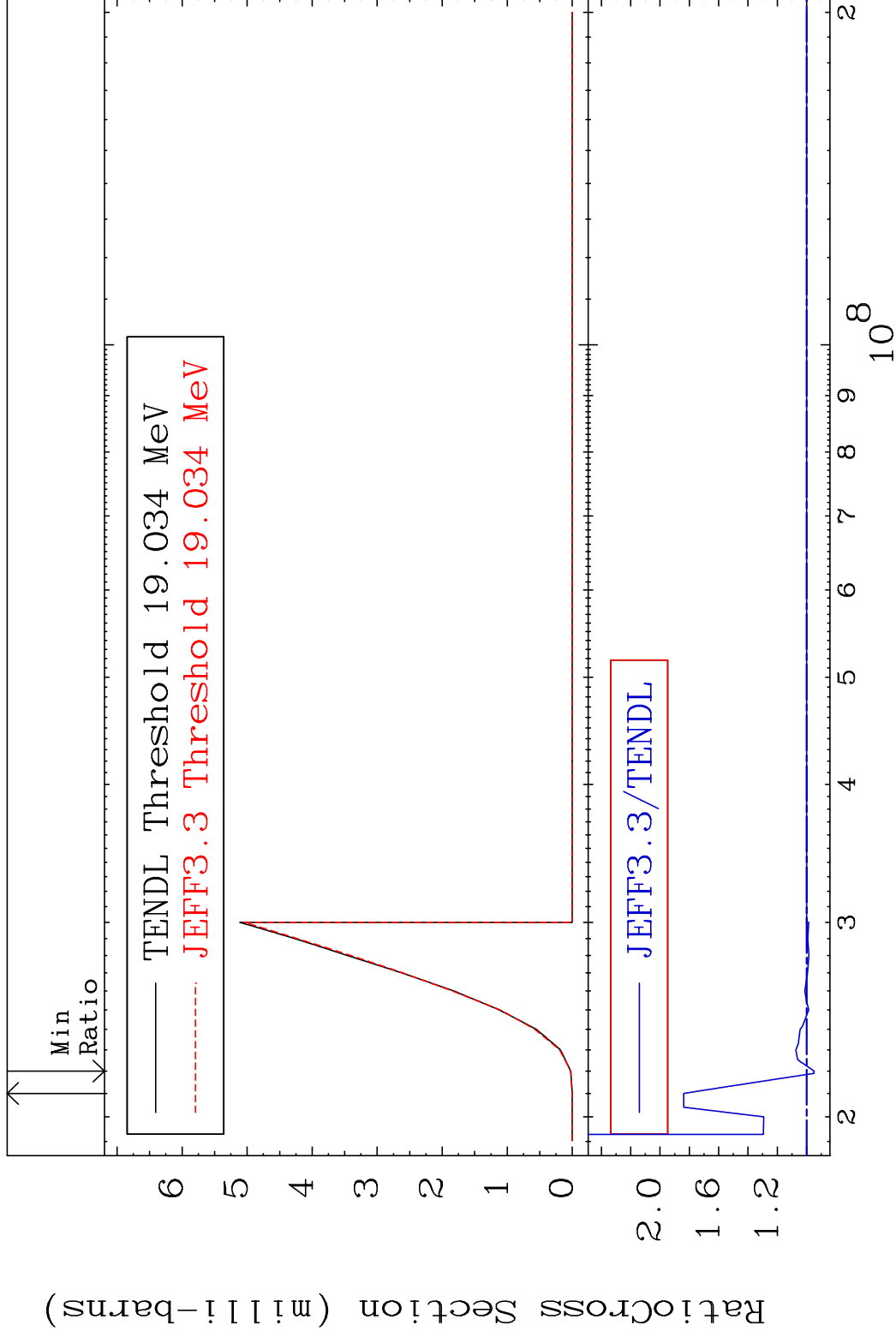
21-Sc-48

MAT 2134

(n, n') t

21-Sc-48

Cross Section -5.116 To 83.87 %



11

Incident Energy (eV)

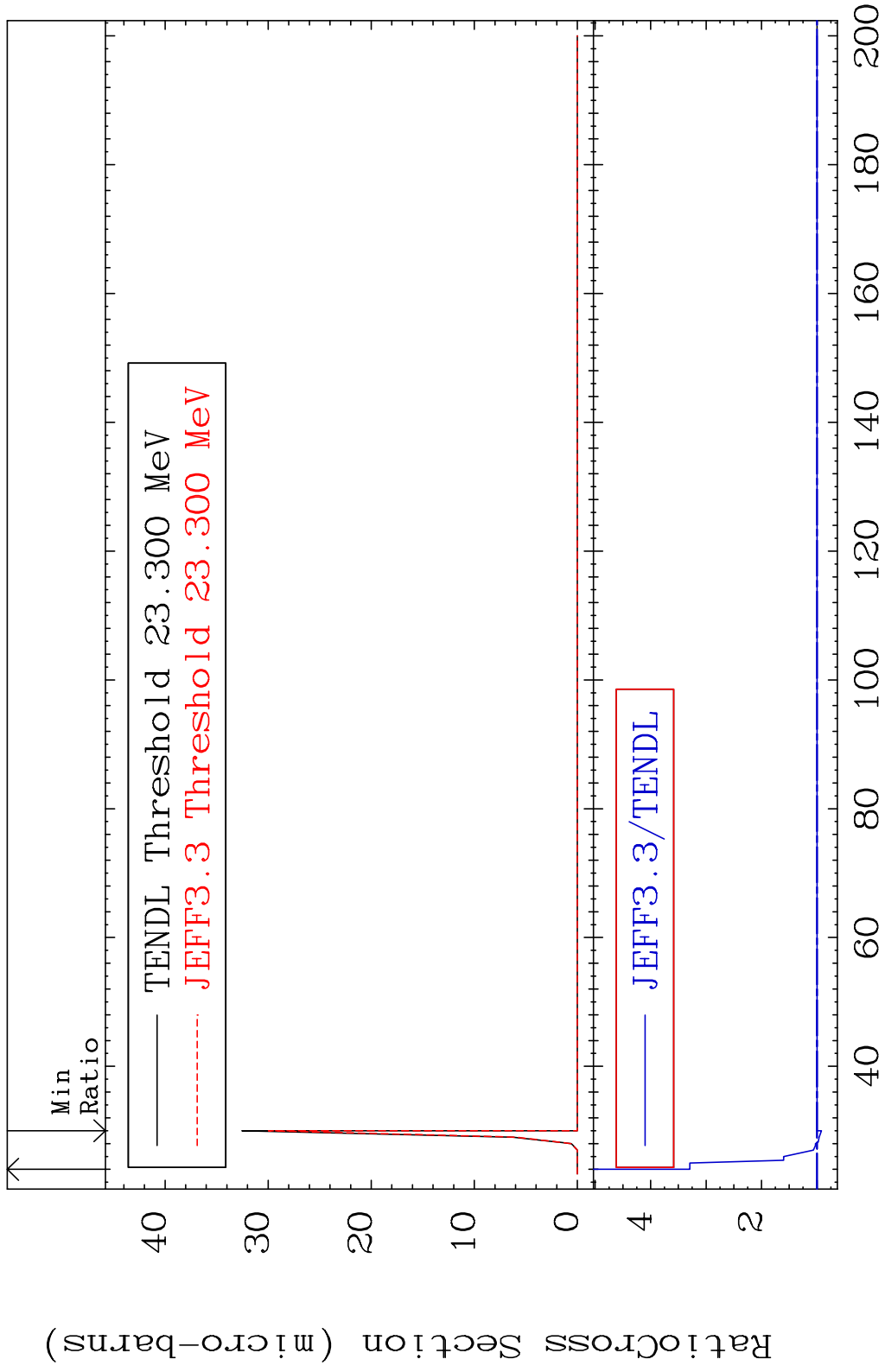
21-Sc-48

MAT 2134

(n,n') He-3

21-Sc-48

Cross Section -7.979 To 229.4 %

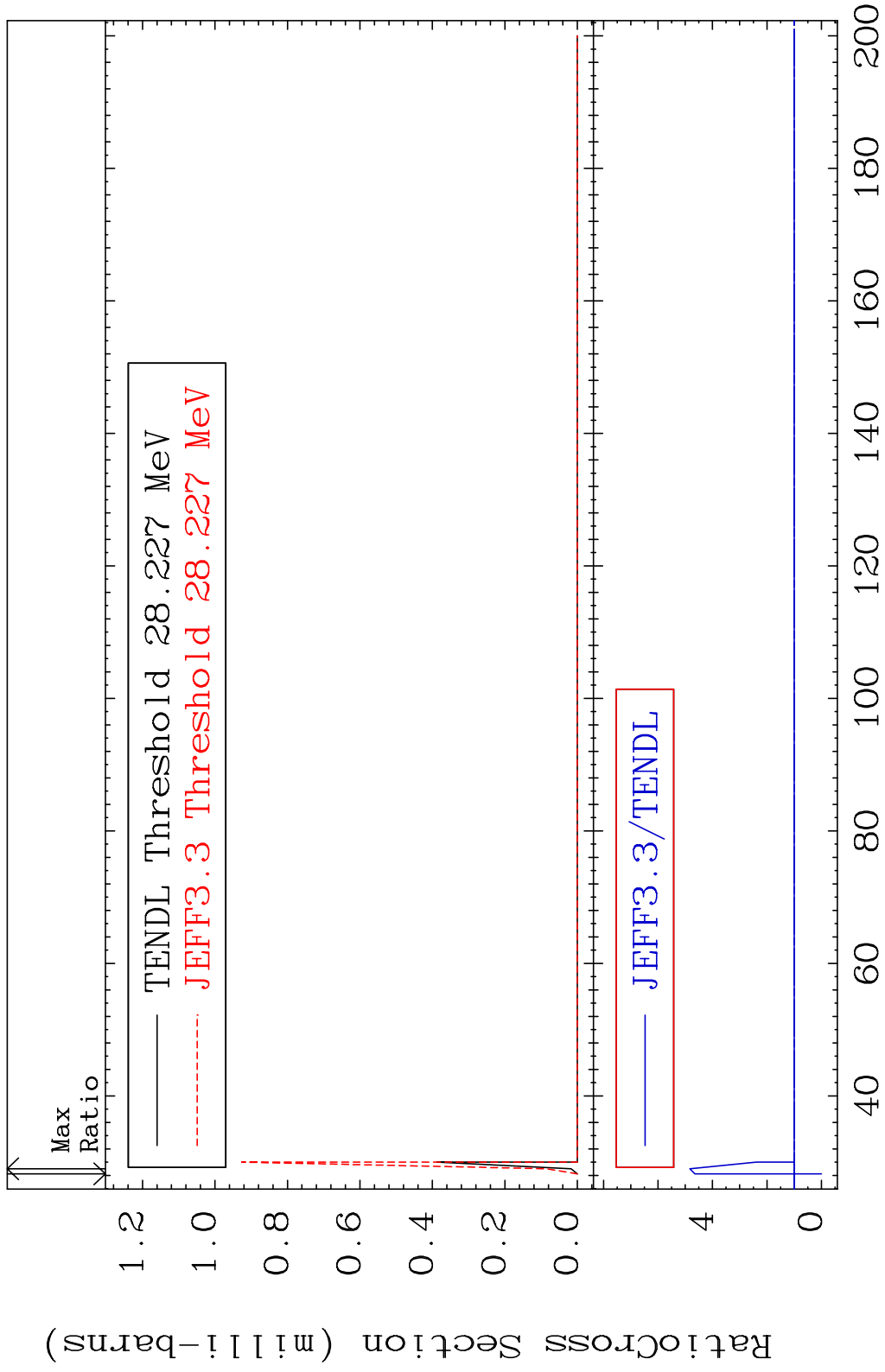


12

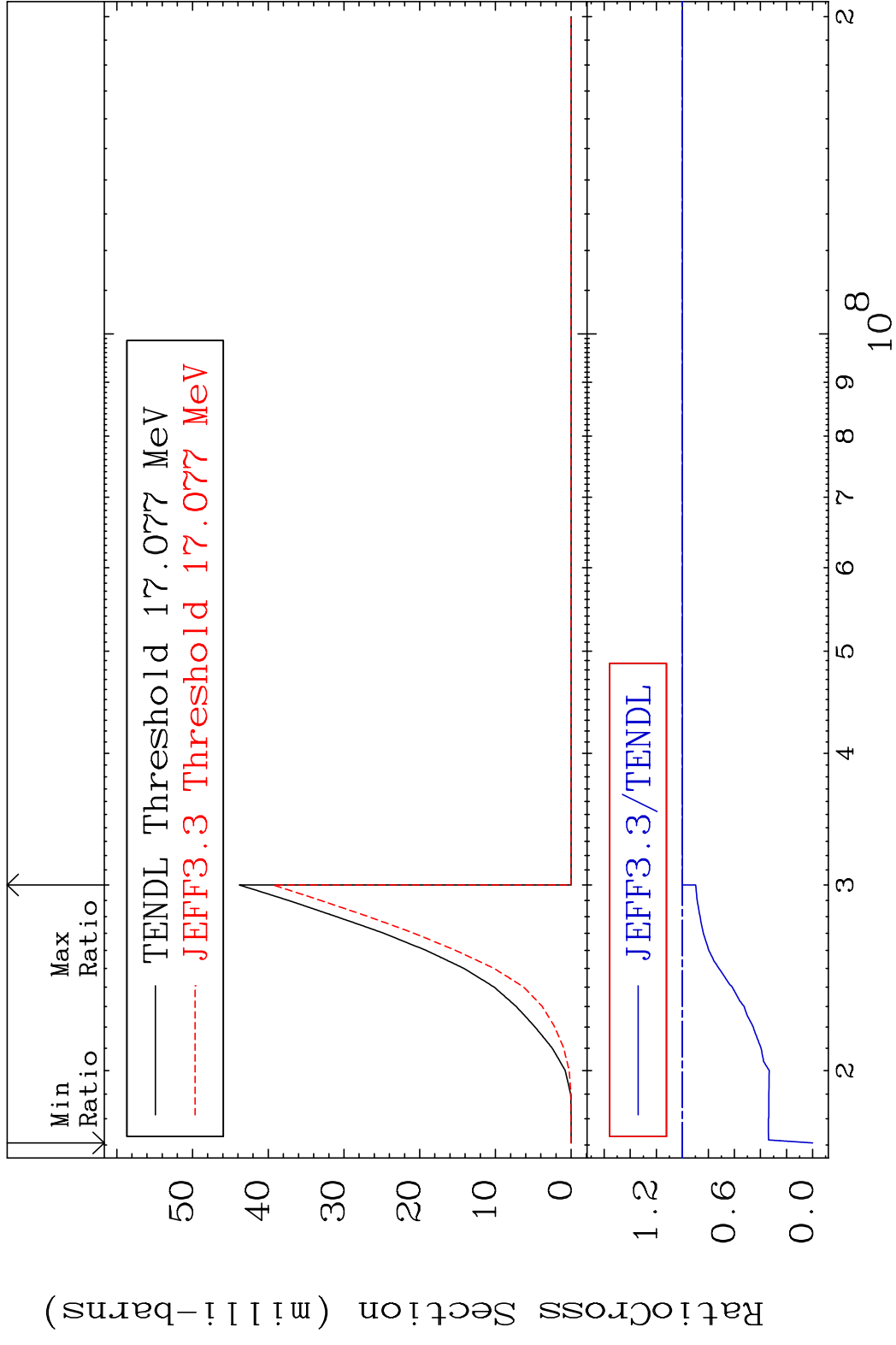
Incident Energy (MeV)

21-Sc-48

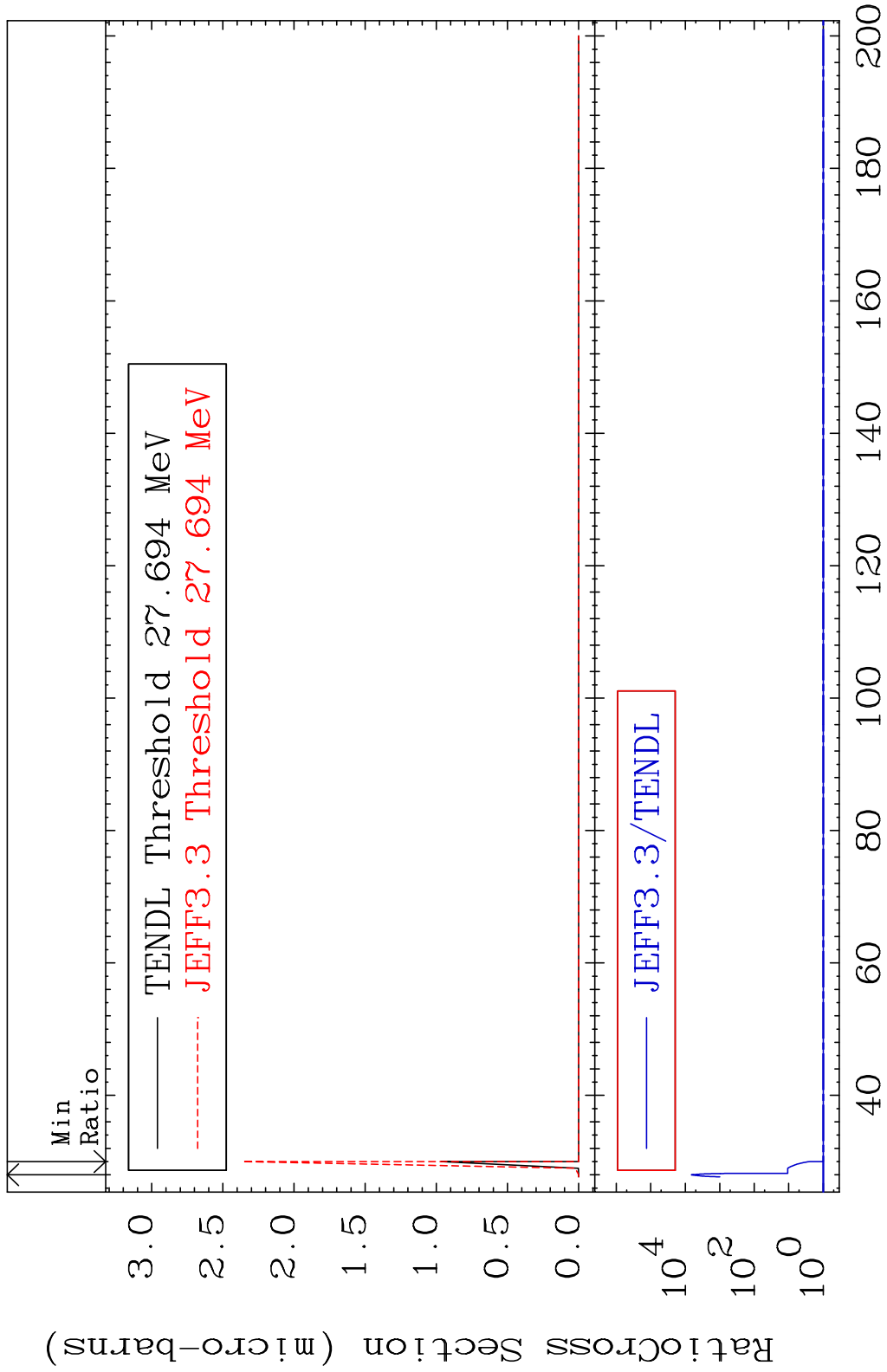
MAT 2134 (n,4n) 21-Sc-48
 Cross Section -100.0 To 383.5 %



MAT 2134 (n,2n) p 21-Sc-48
 Cross Section -100.0 To 0.000 %



MAT 2134 (n,3n) p 21-Sc-48
 Cross Section 0.000 To 9999. %

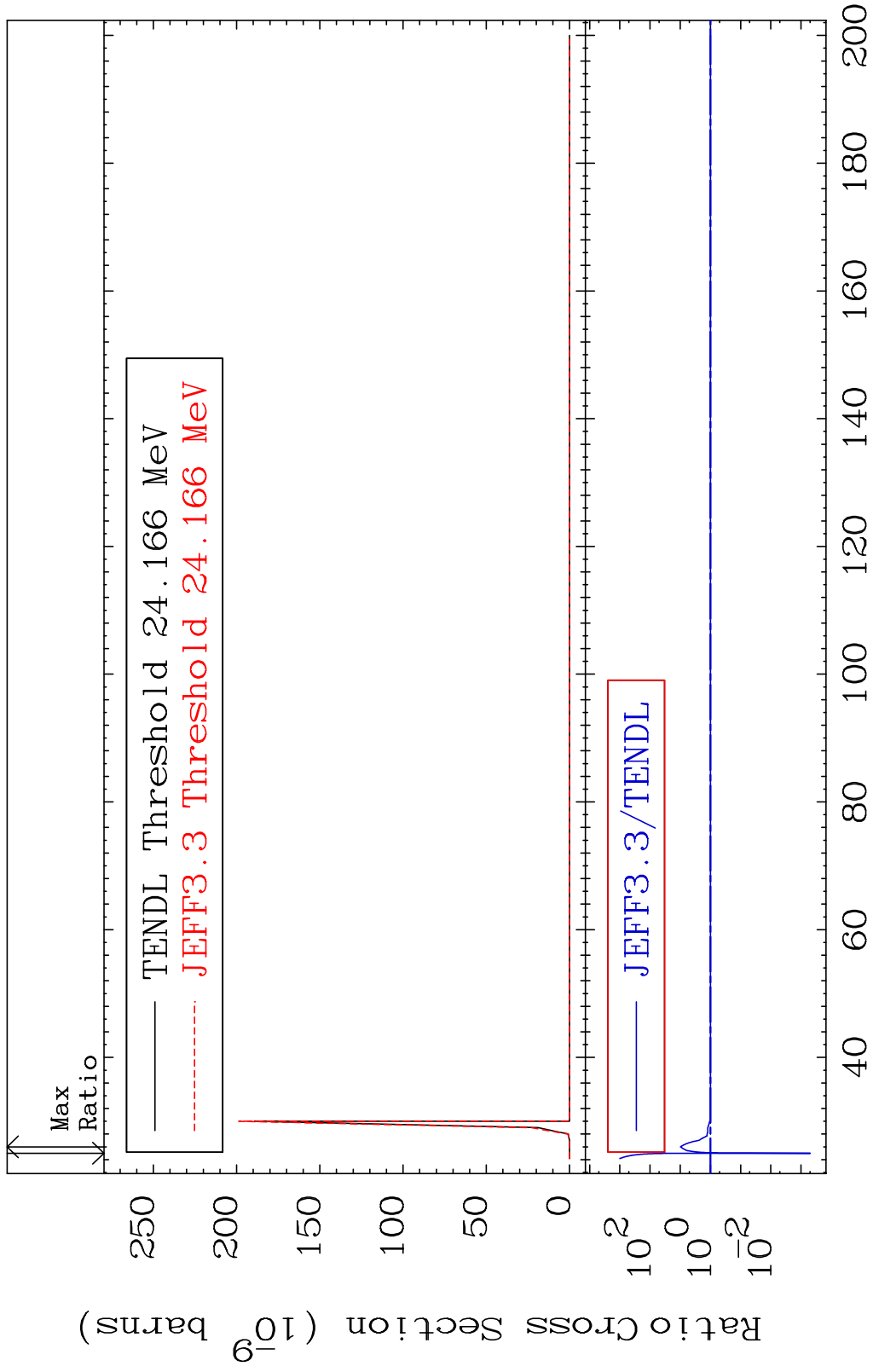


MAT 2134

(n,2n) p

21-Sc-48

Cross Section -99.95 To 884.9 %

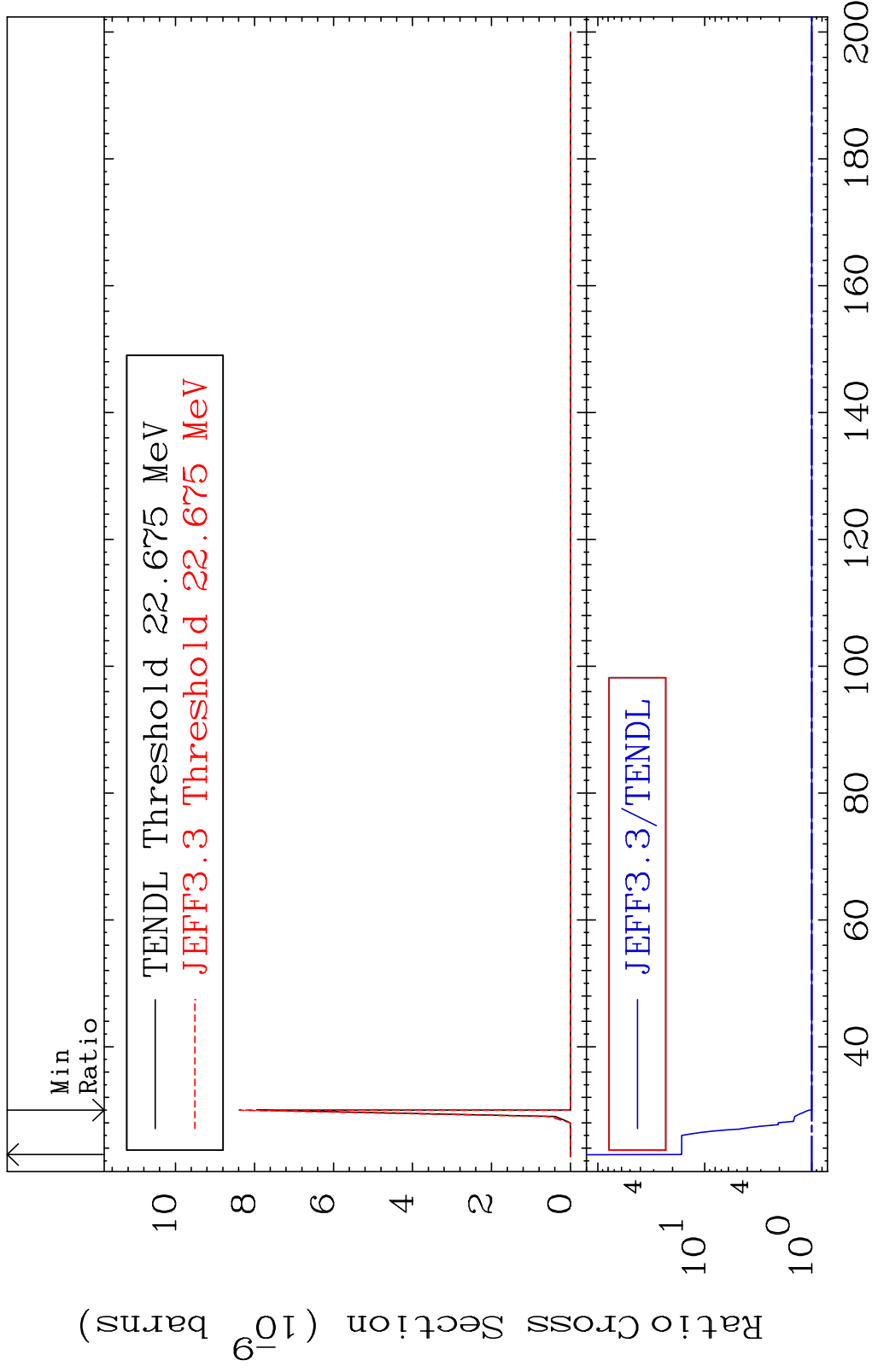


MAT 2134

(n,n') p α

21-Sc-48

Cross Section 0.000 To 1544. %

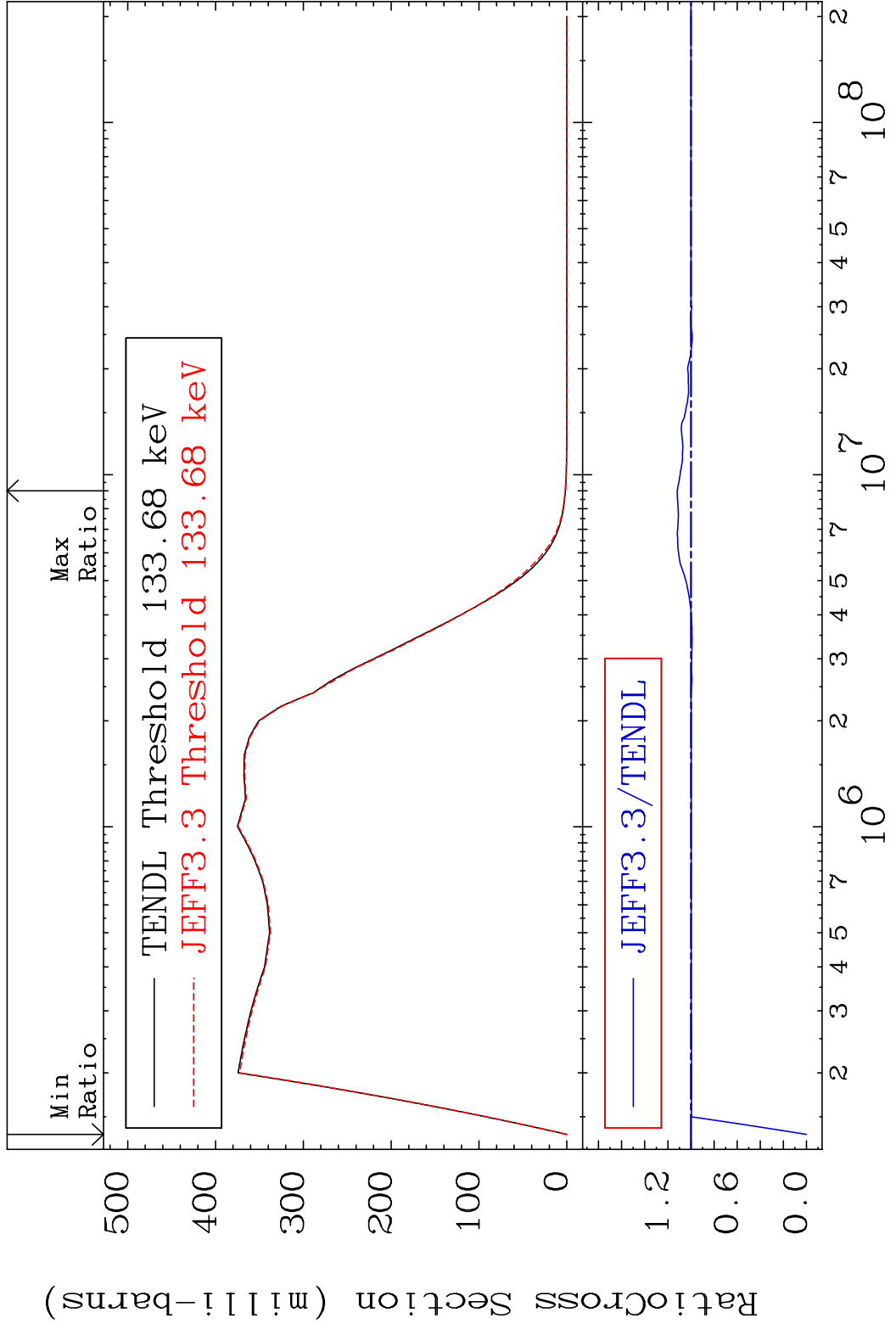


17

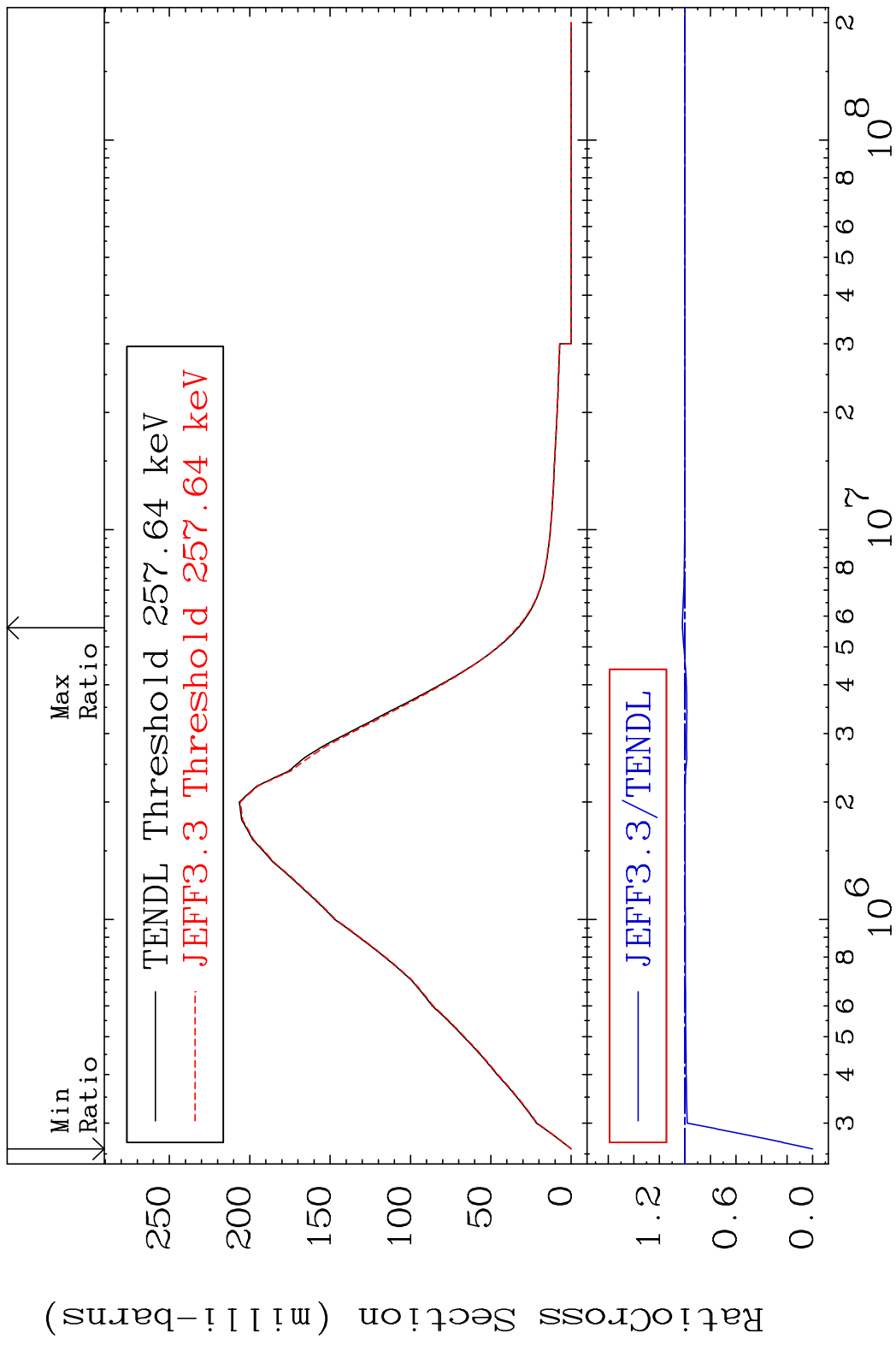
Incident Energy (MeV)

21-Sc-48

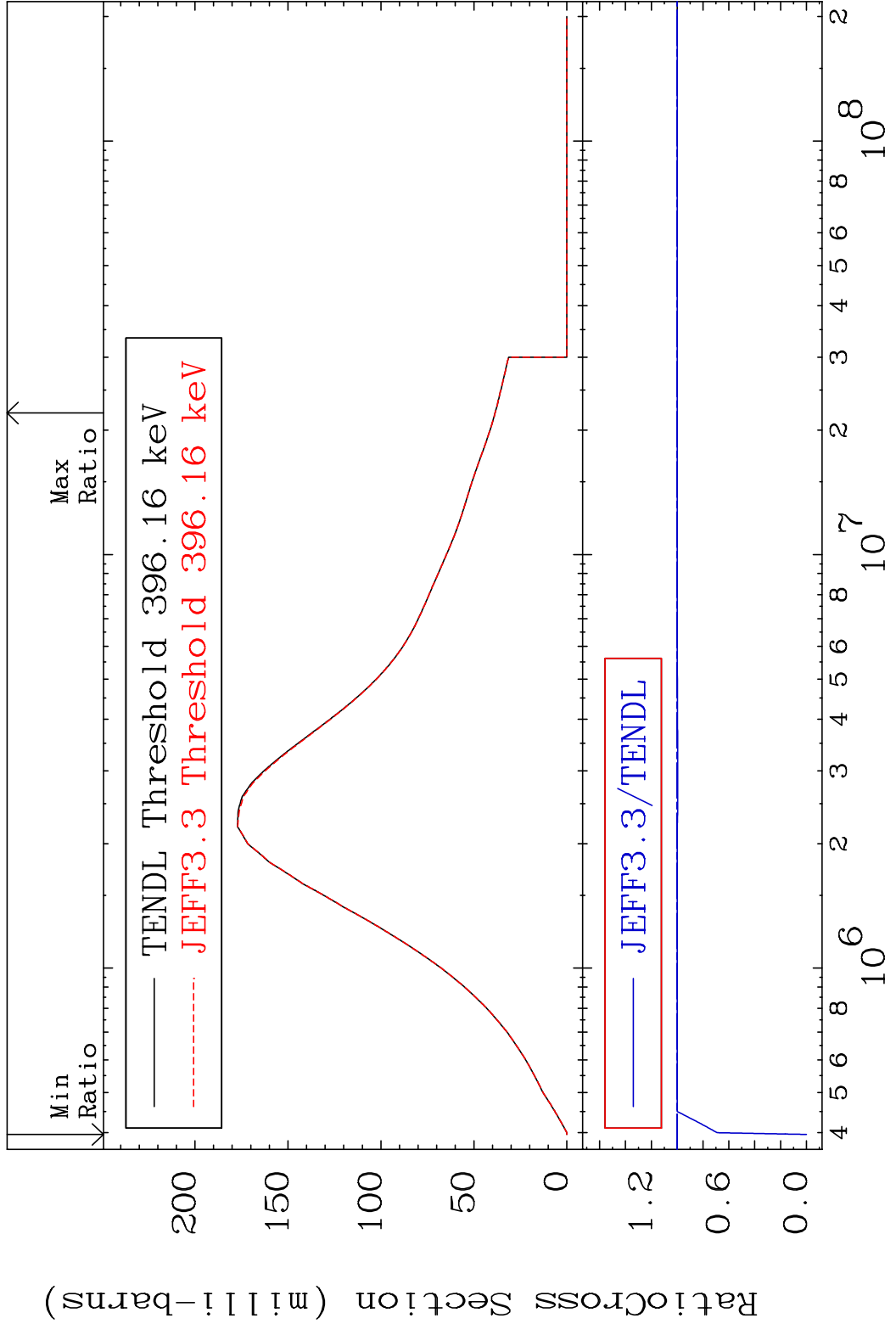
MAT 2134 MT= 51 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 11.90 %



MAT 2134 MT= 52 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 1.938 %

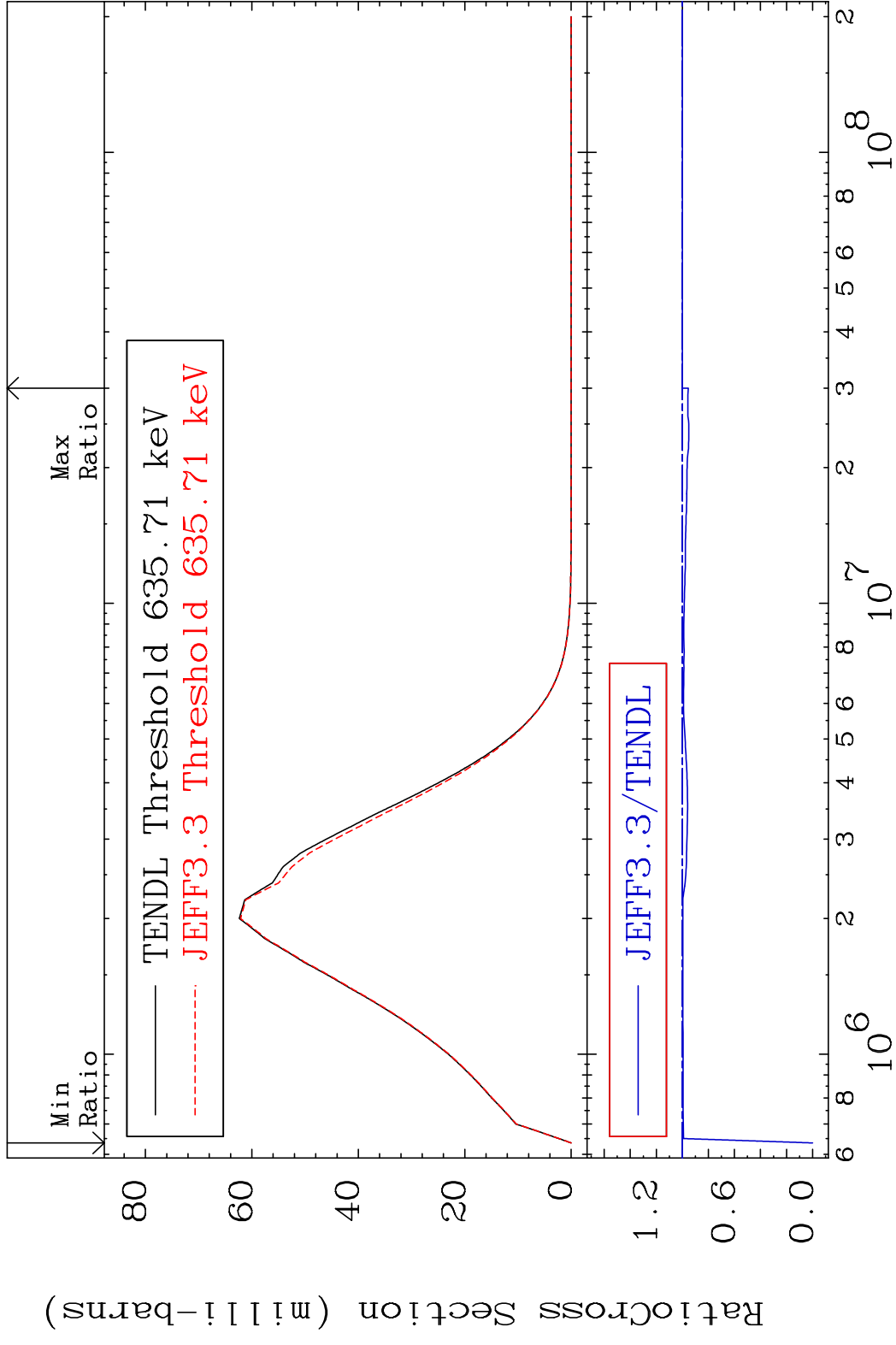


MAT 2134 MT= 53 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 0.000 %



20 Incident Energy (eV) 21-Sc-48

MAT 2134 MT= 54 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 0.000 %

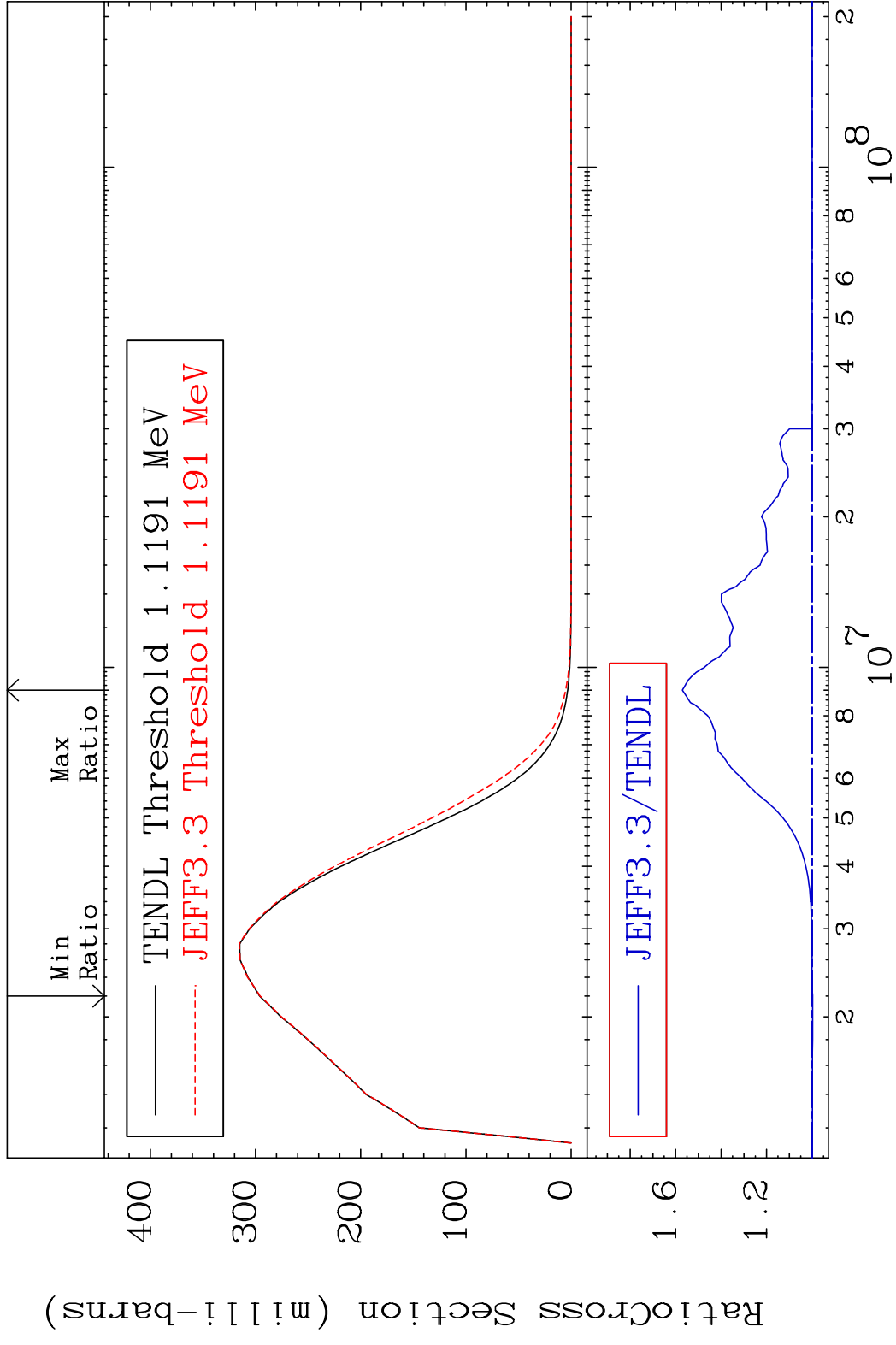


MAT 2134

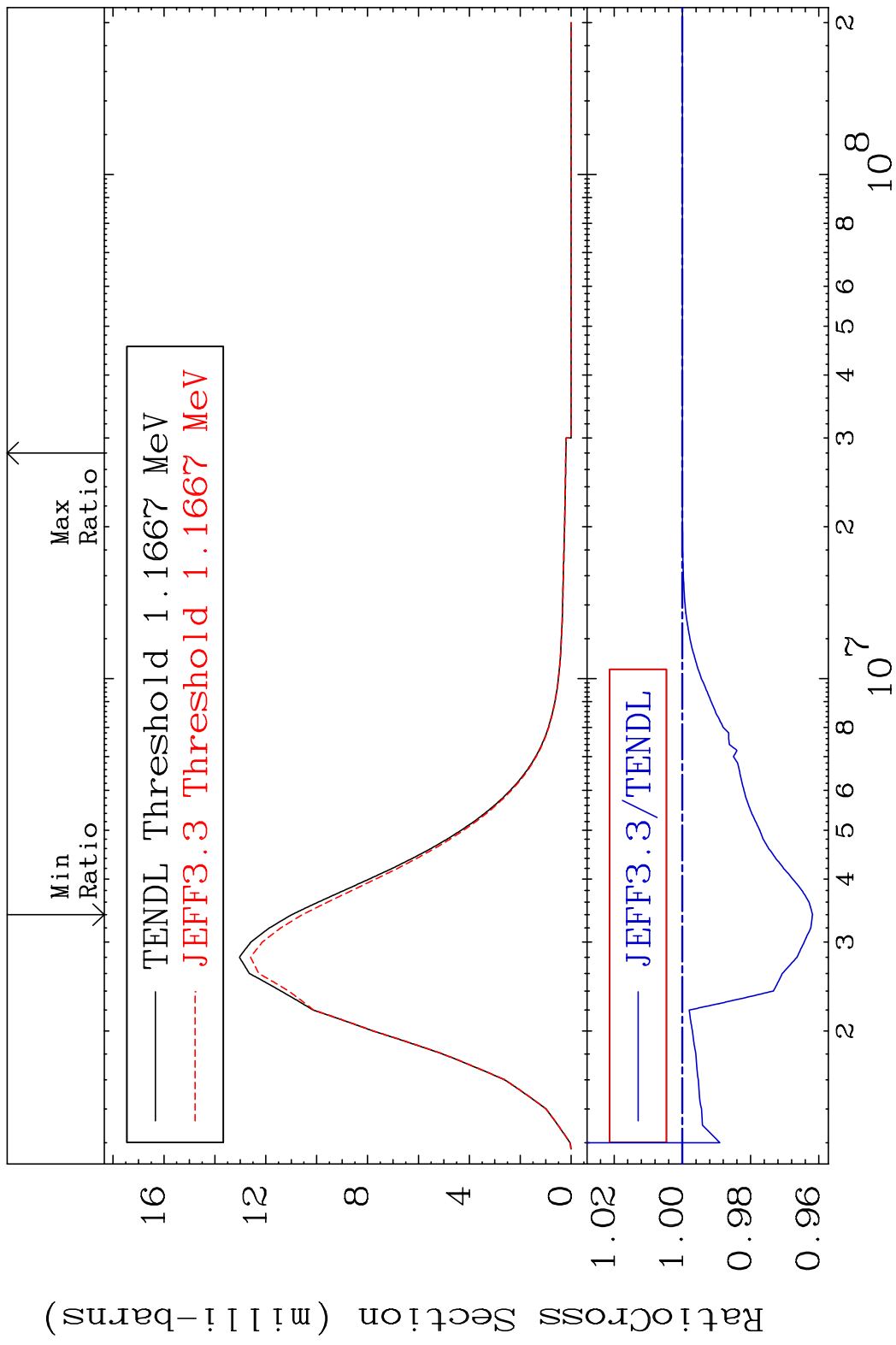
MT= 55 (n, n') Level

21-Sc-48

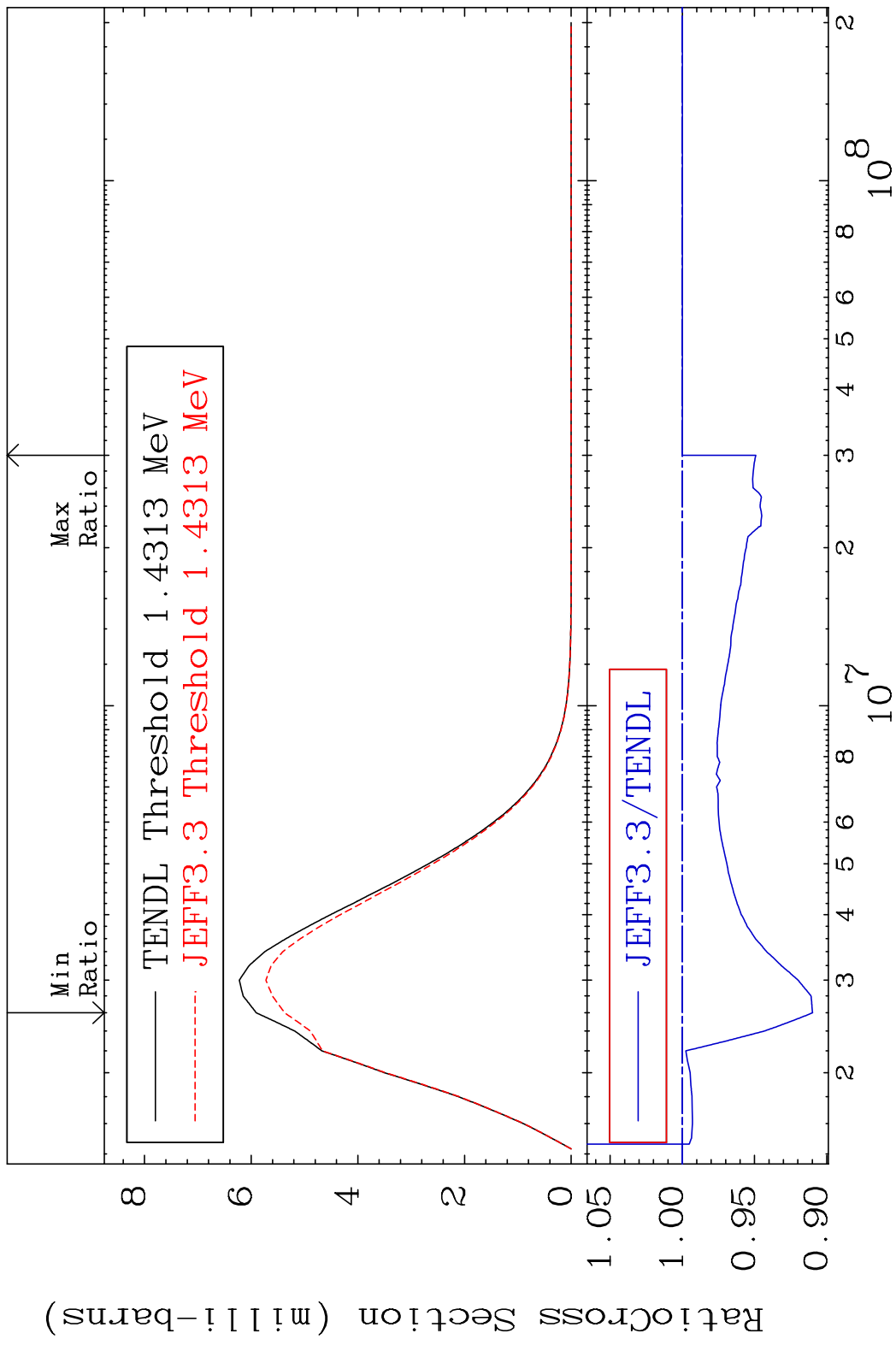
Cross Section -0.188 To 57.04 %



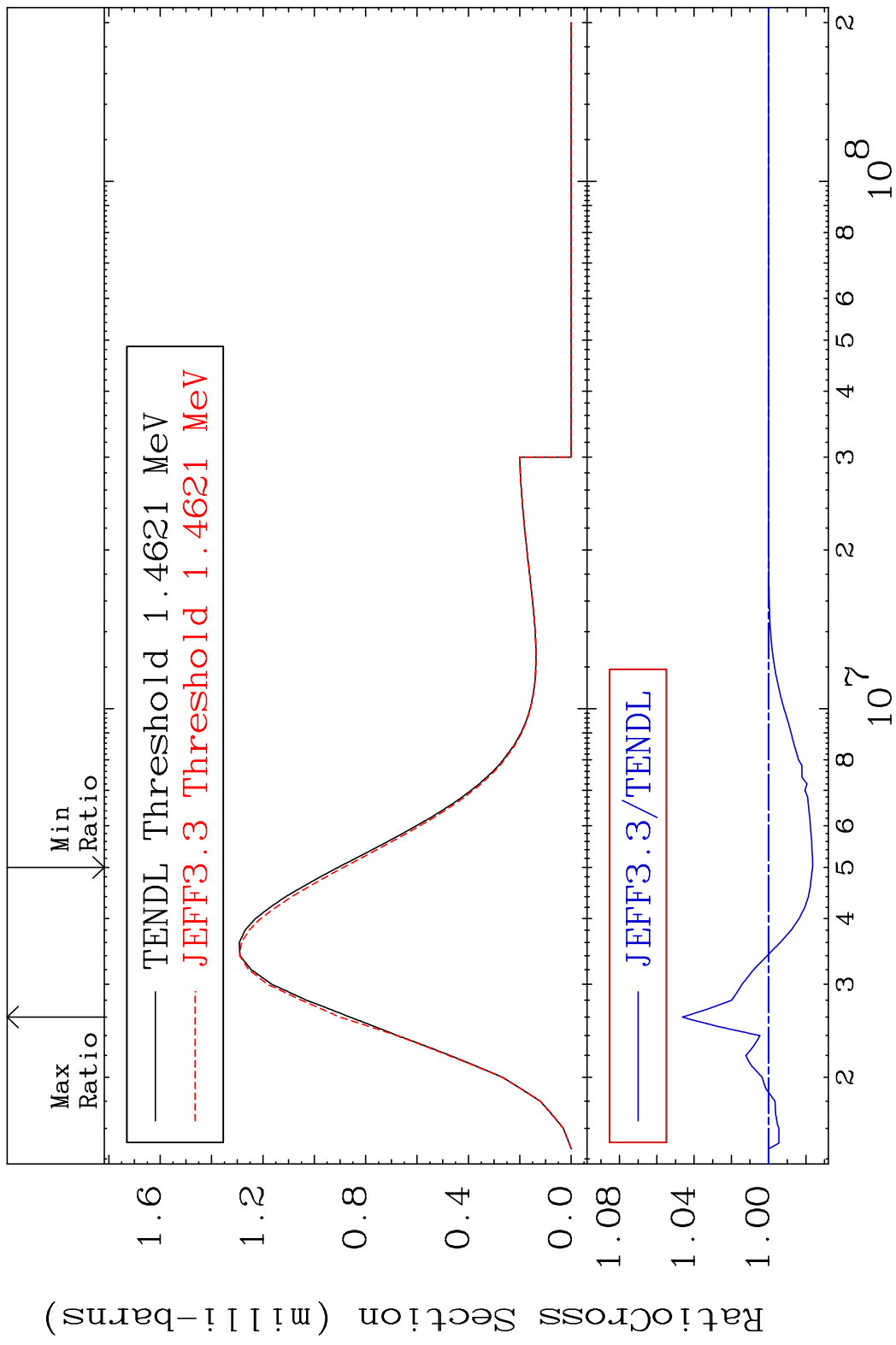
MAT 2134 MT= 56 (n, n') Level 21-Sc-48
 Cross Section -3.816 To 0.000 %



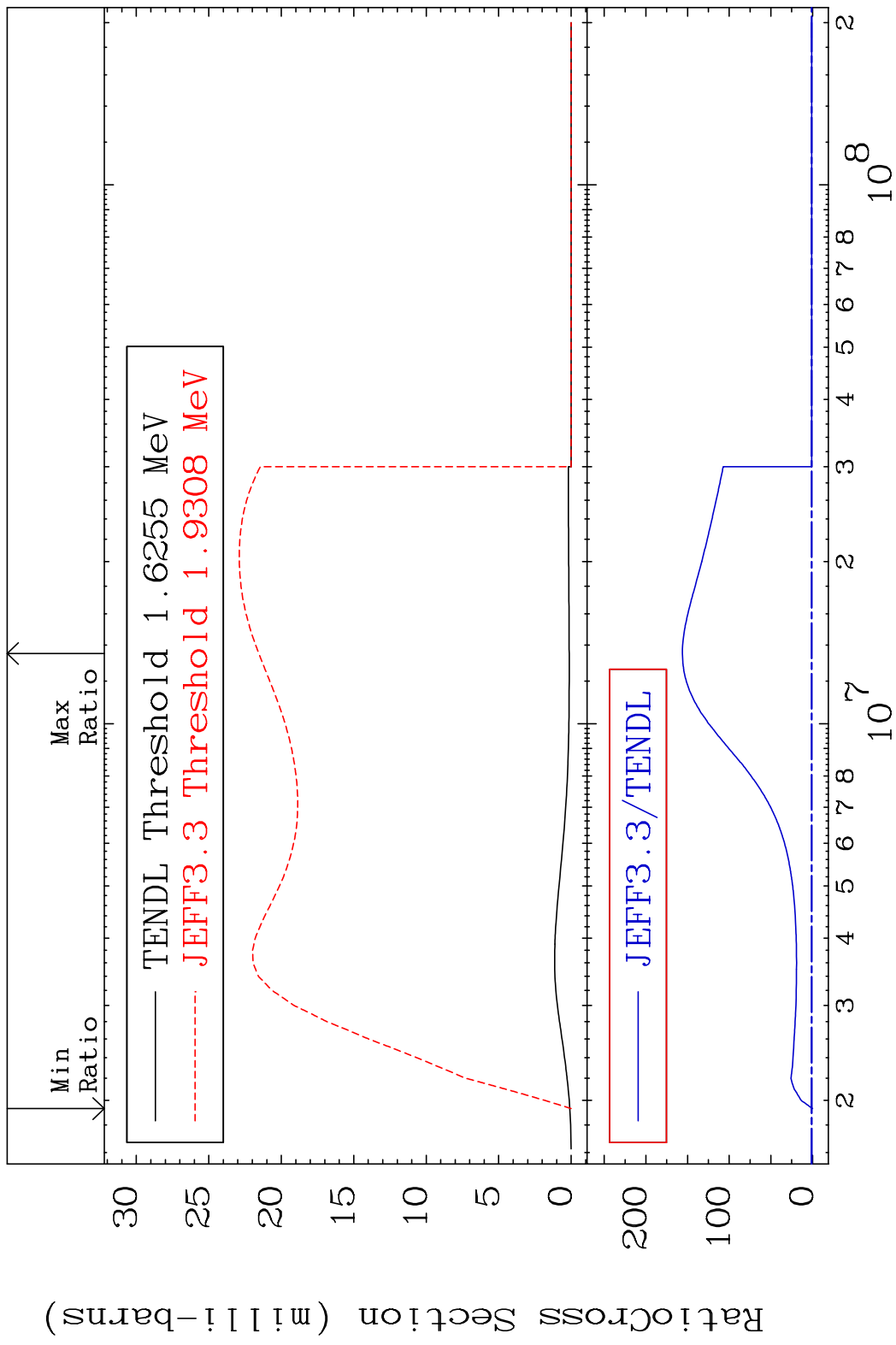
MAT 2134 MT= 57 (n,n') Level 21-Sc-48
 Cross Section -9.017 To 0.000 %



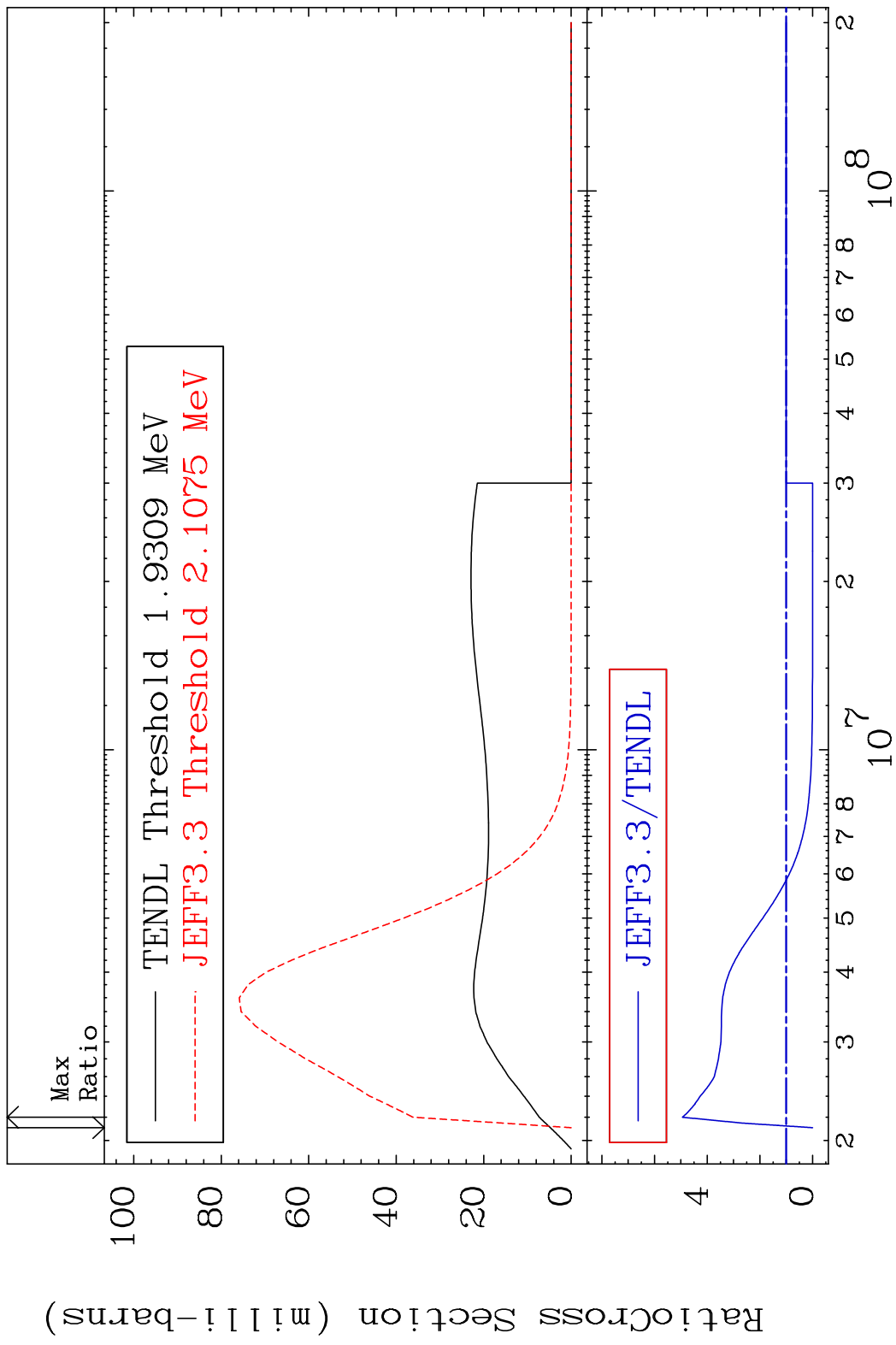
MAT 2134 MT= 58 (n,n') Level 21-Sc-48
 Cross Section -2.358 To 4.629 %



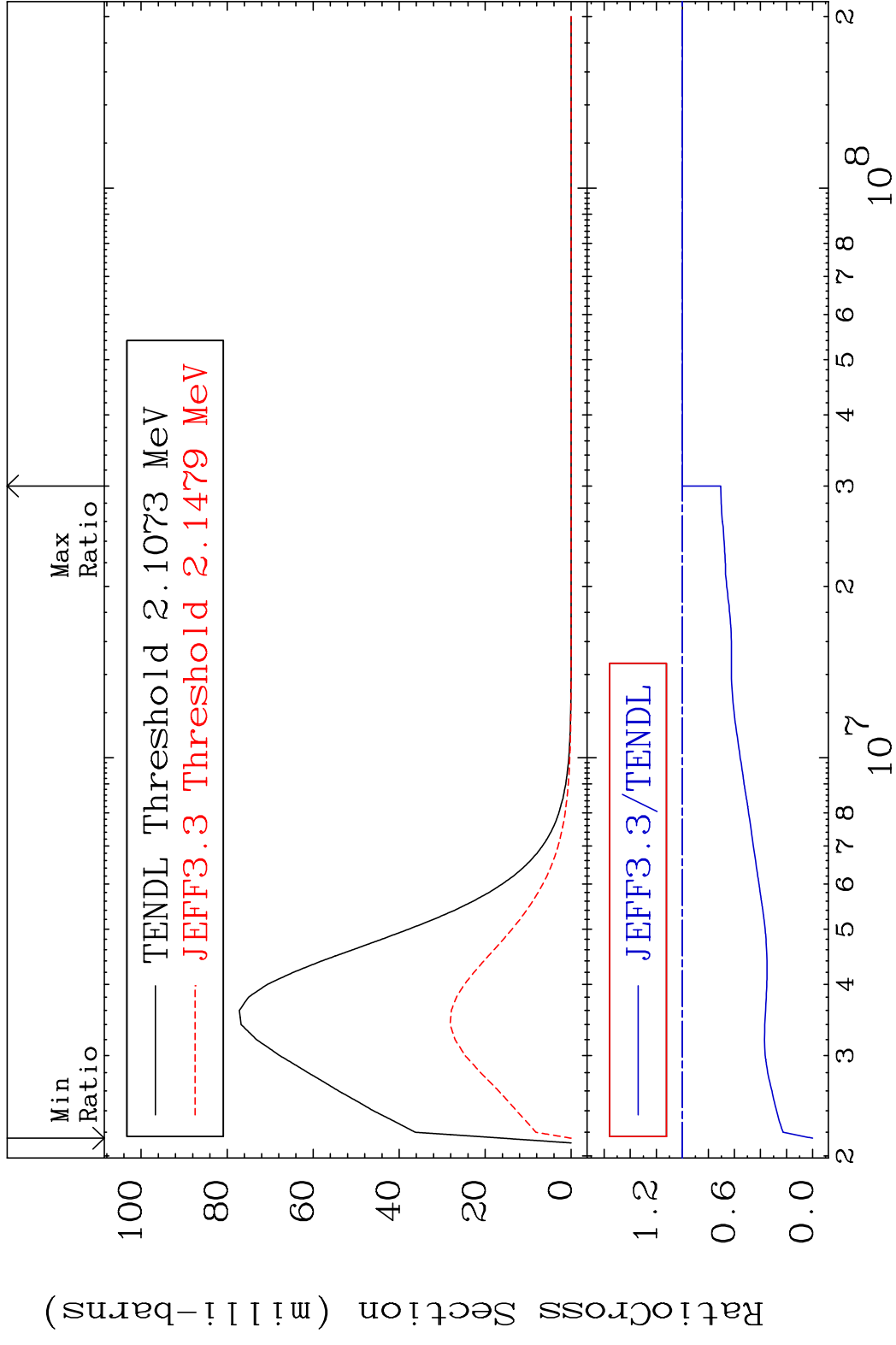
MAT 2134 MT= 59 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



MAT 2134 MT= 60 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 394.3 %

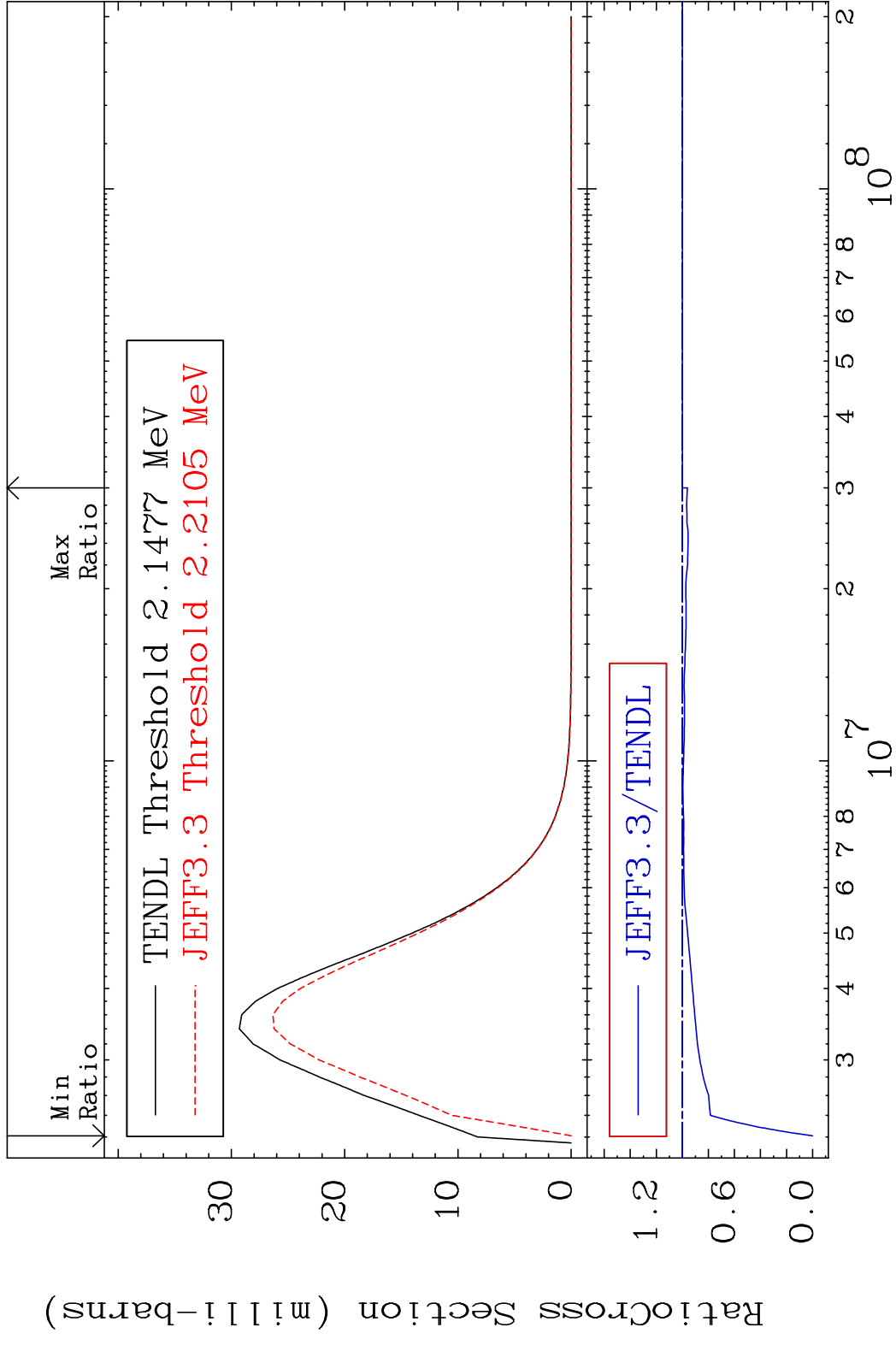


MAT 2134 MT= 61 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 0.000 %

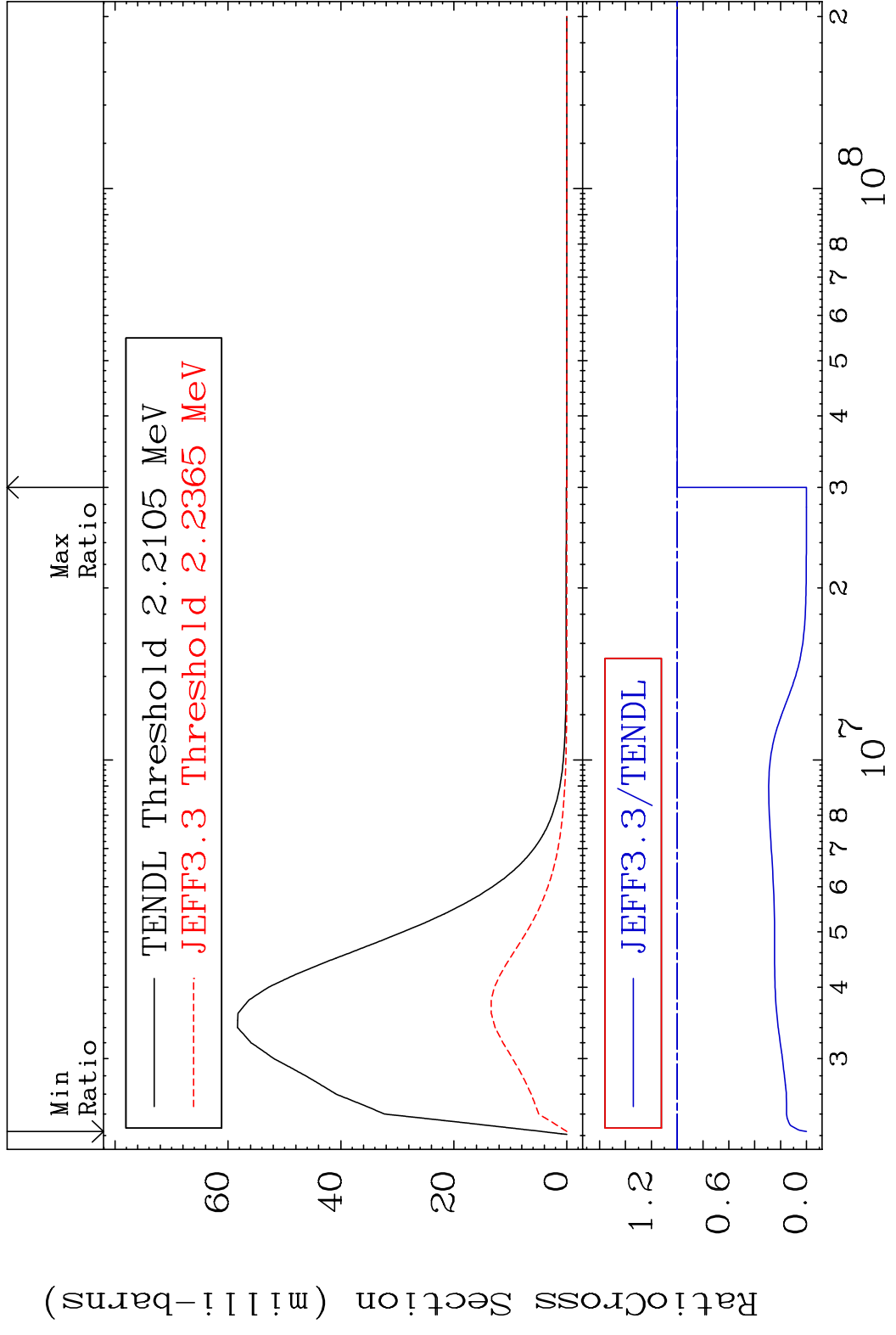


28 Incident Energy (eV) 21-Sc-48

MAT 2134 MT= 62 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 0.000 %

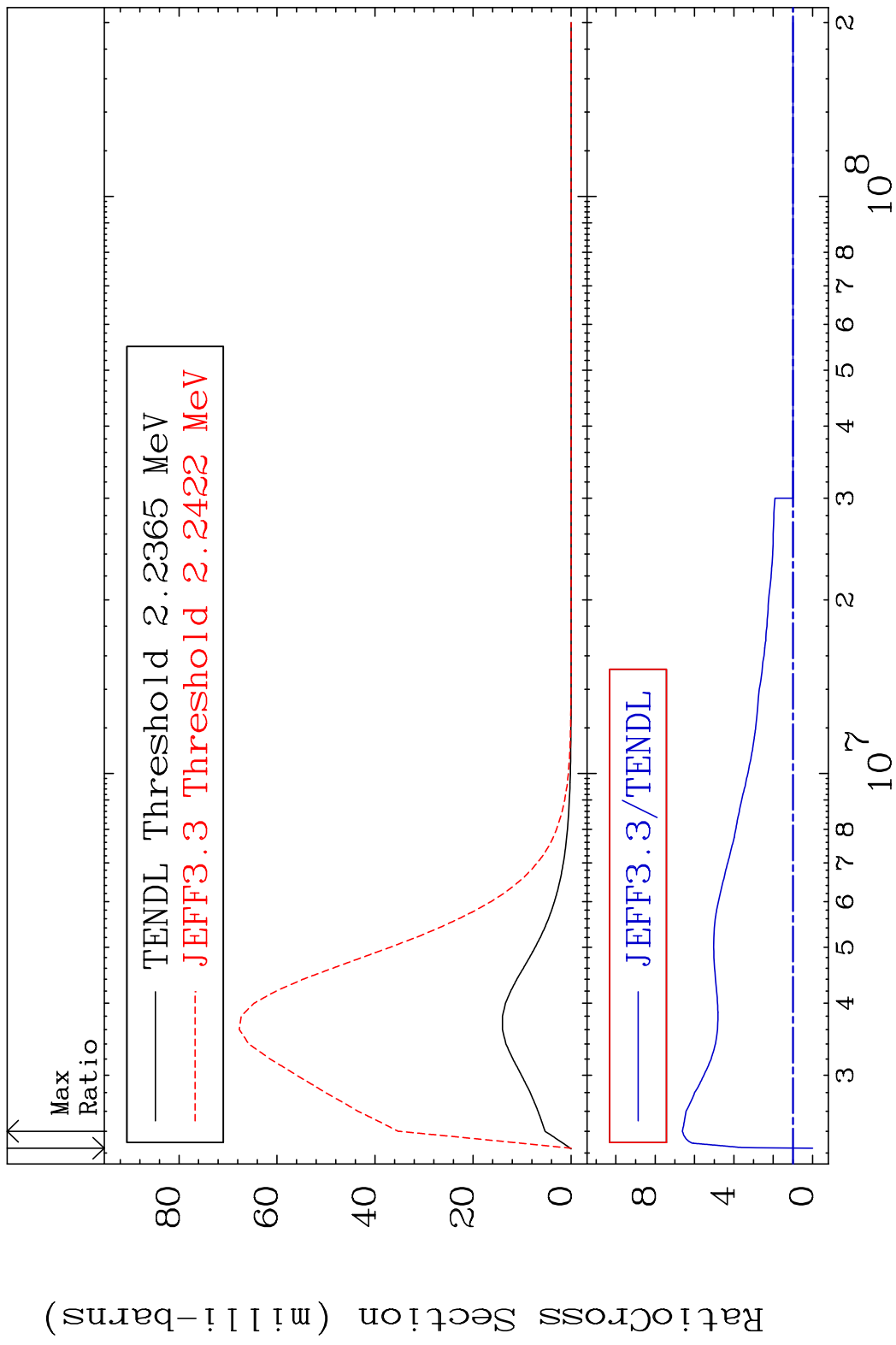


MAT 2134 MT= 63 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 0.000 %



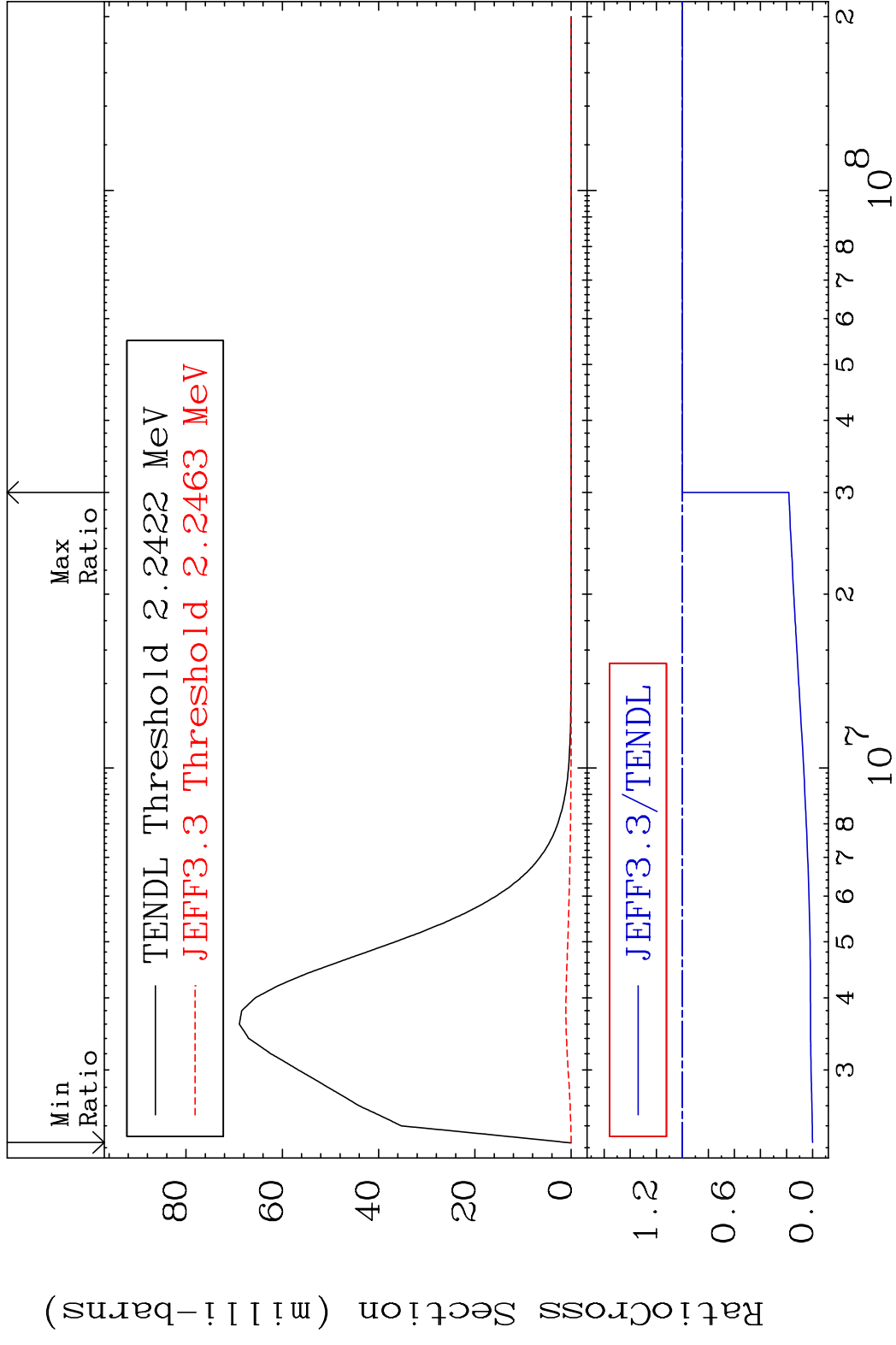
30 Incident Energy (eV) 21-Sc-48

MAT 2134 MT= 64 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 562.0 %

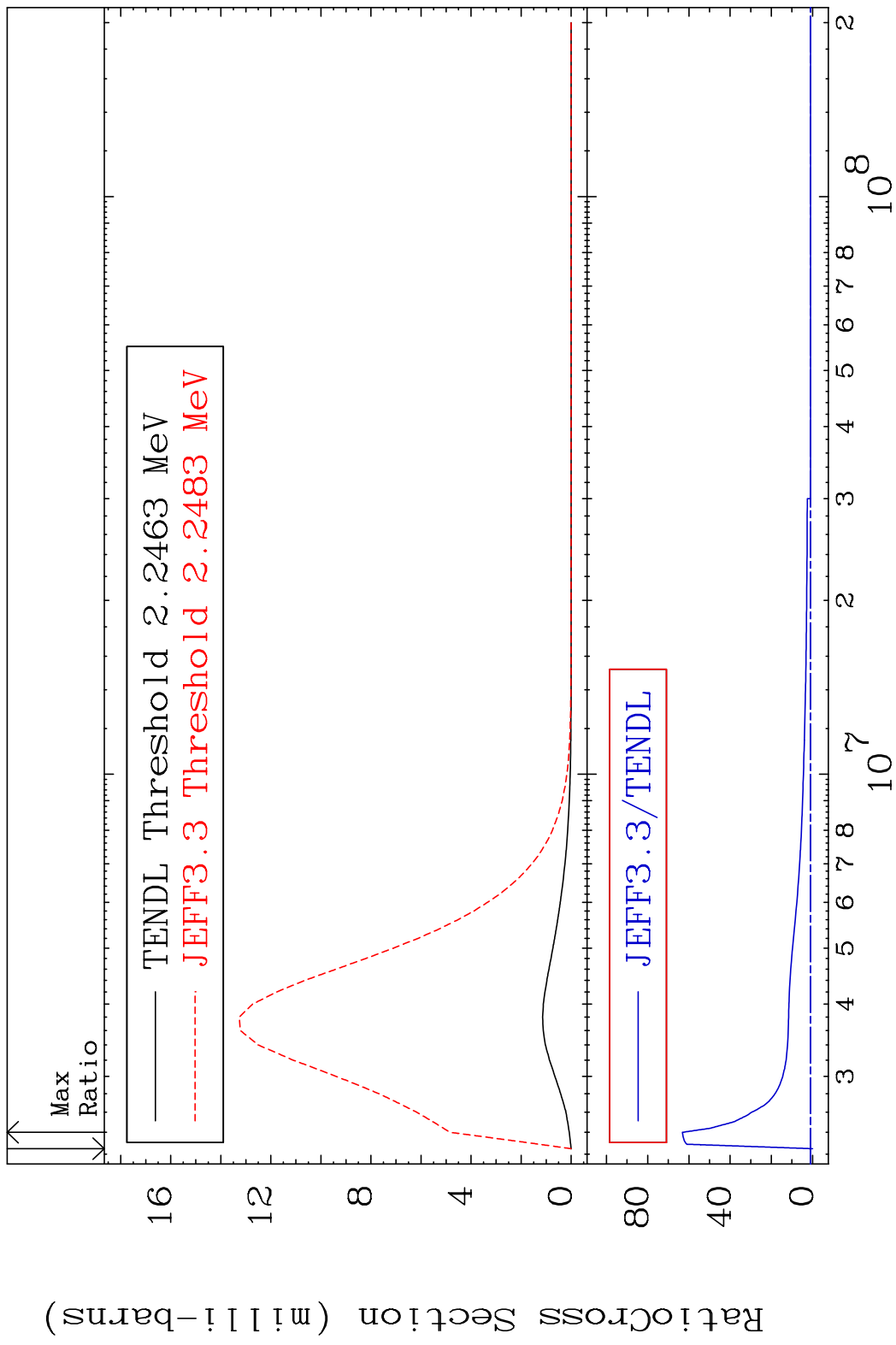


31 Incident Energy (eV) 21-Sc-48

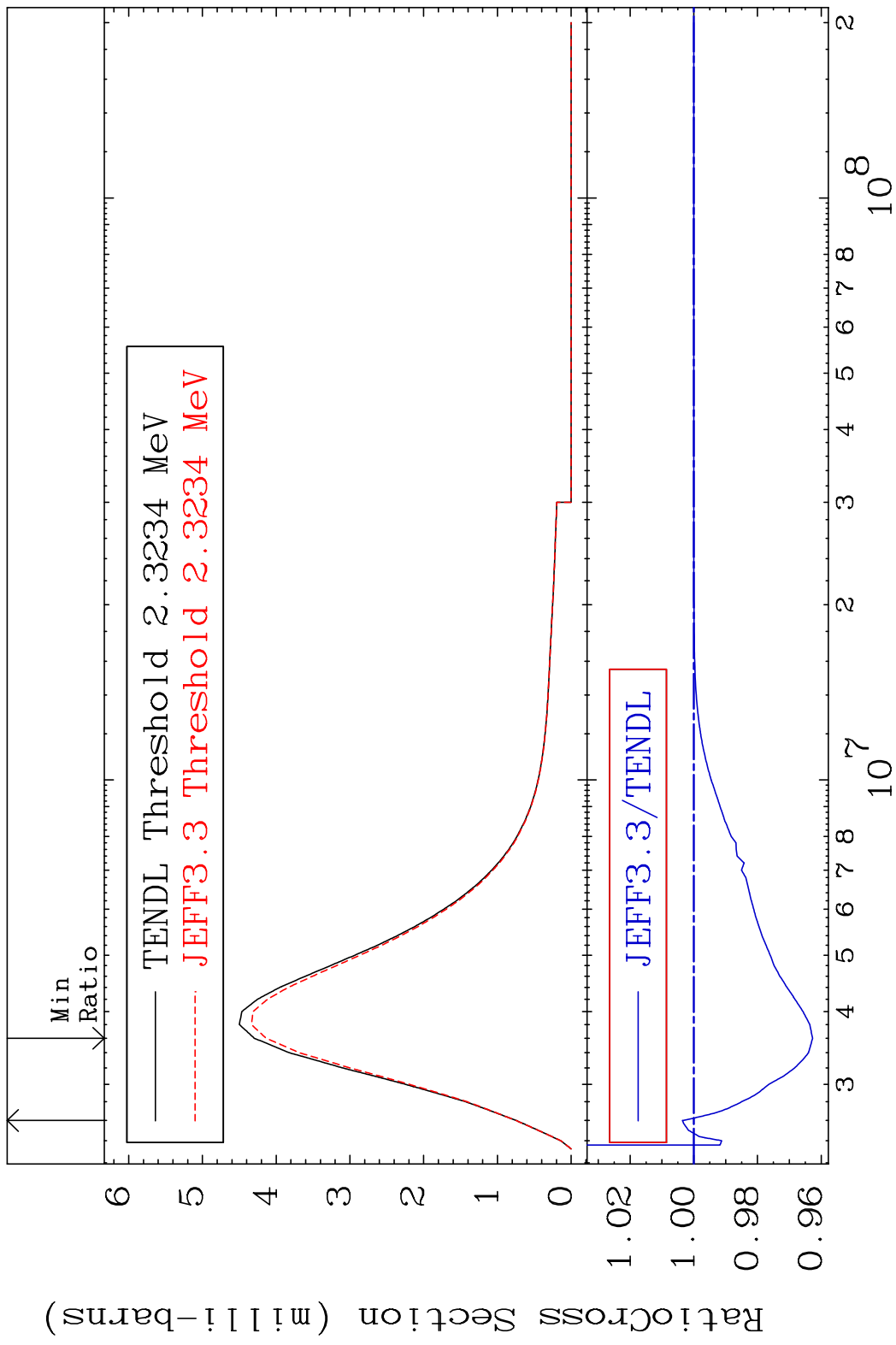
MAT 2134 MT= 65 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 0.000 %



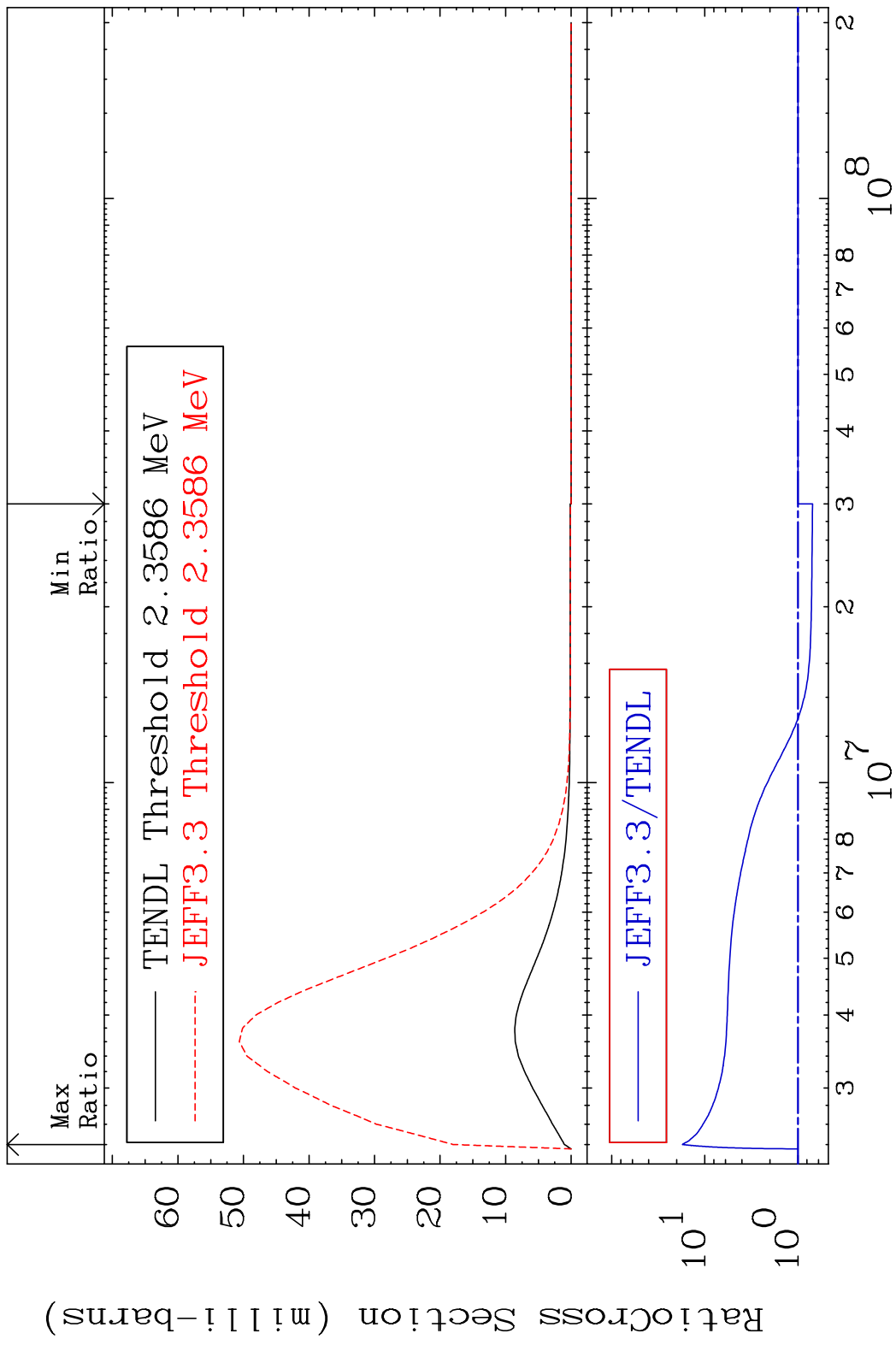
MAT 2134 MT= 66 (n,n') Level 21-Sc-48
 Cross Section -100.0 To 6218. %



MAT 2134 MT= 67 (n,n') Level 21-Sc-48
 Cross Section -3.728 To 0.359 %

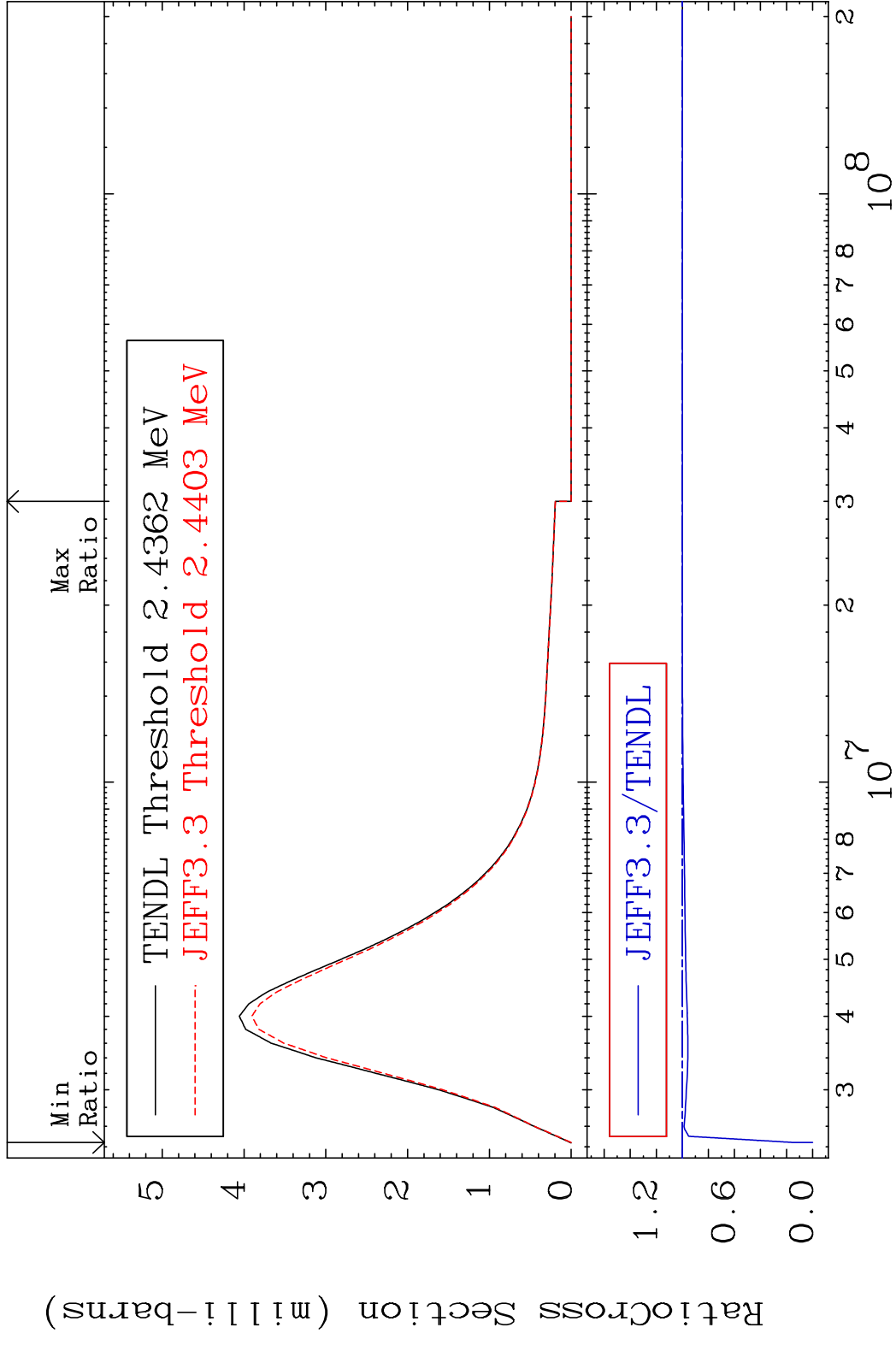


MAT 2134 MT= 68 (n, n') Level 21-Sc-48
 Cross Section -30.32 To 1642. %

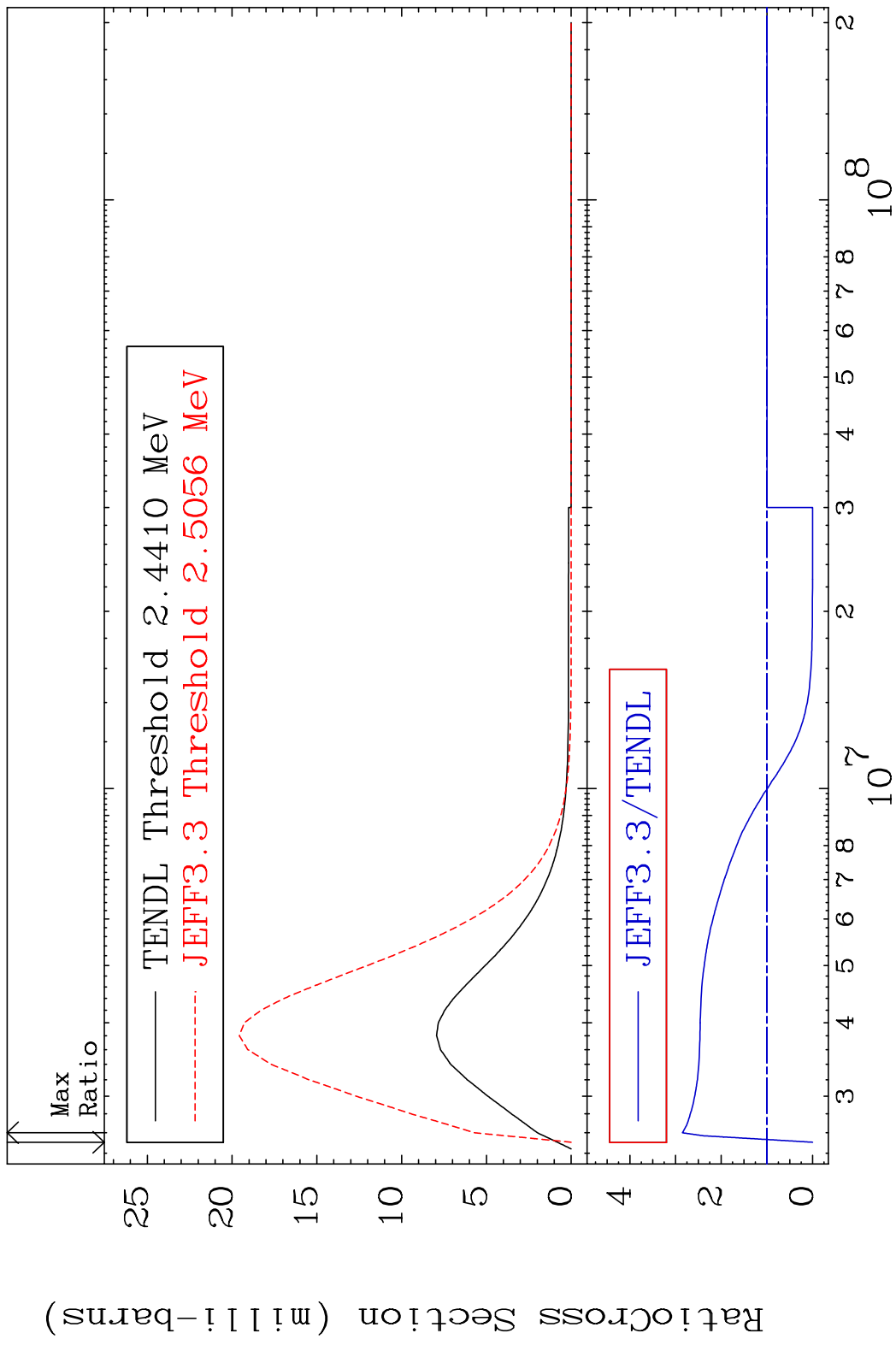


35 21-Sc-48

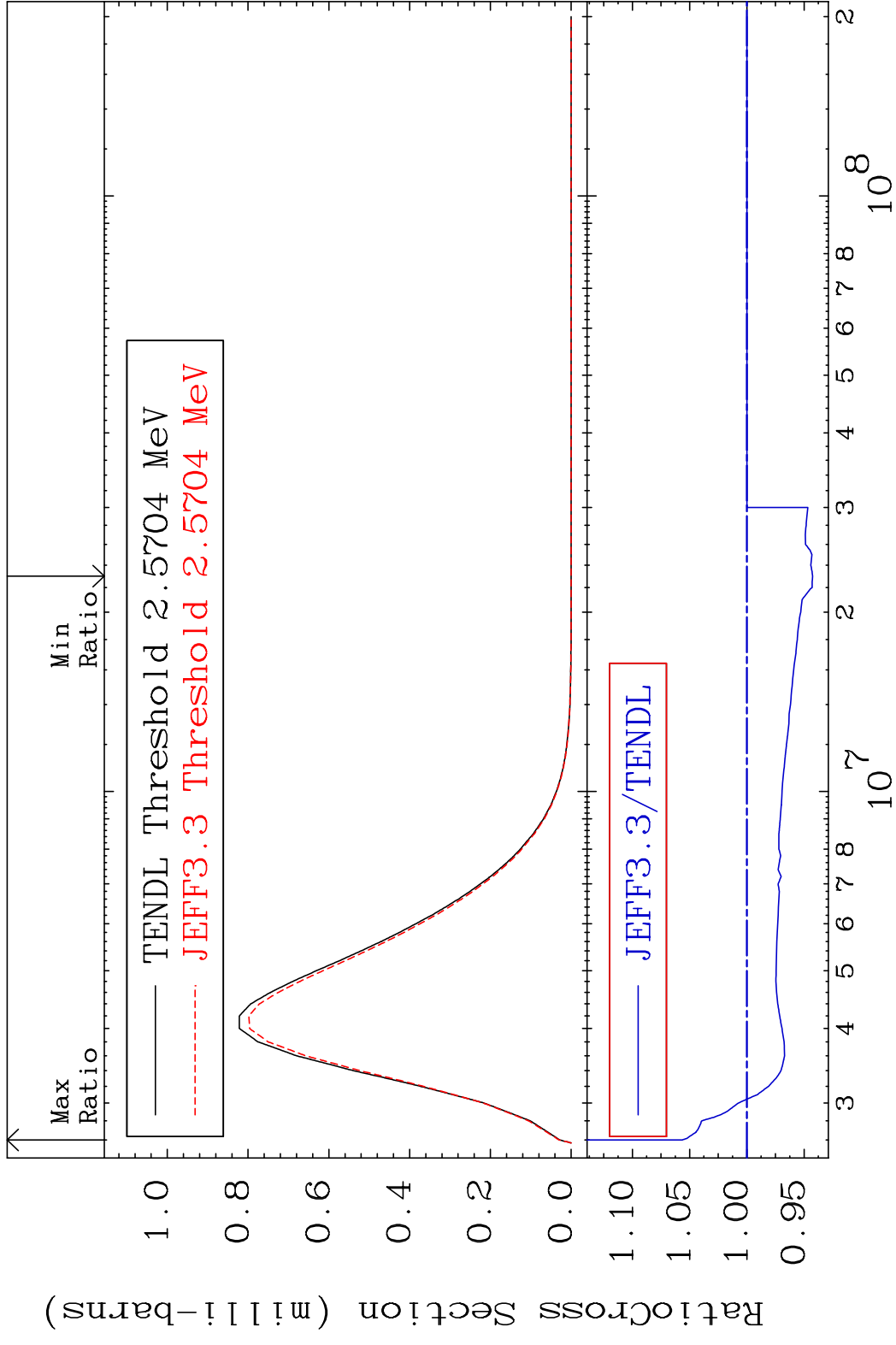
MAT 2134 MT= 69 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 0.000 %



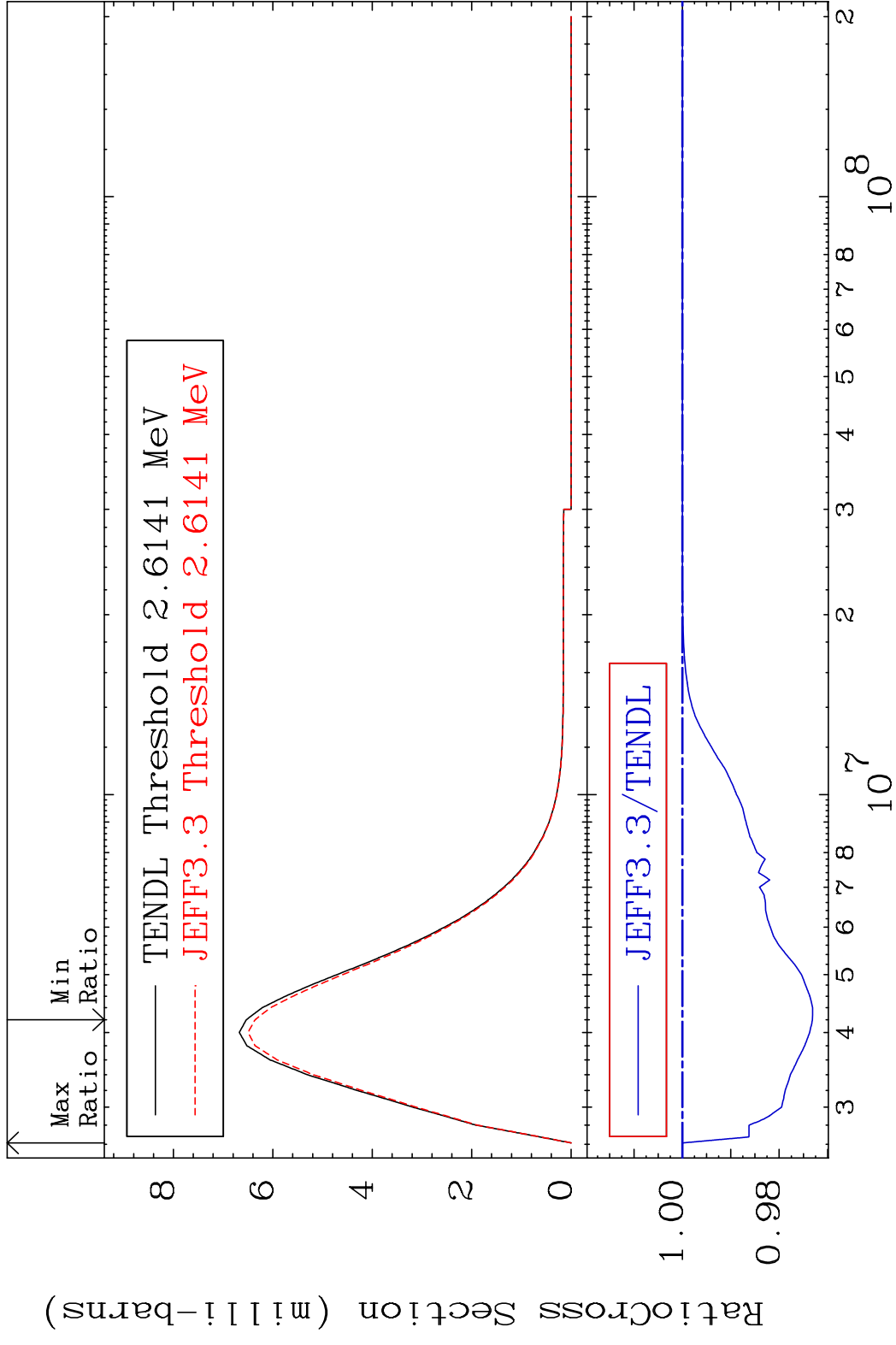
MAT 2134 MT= 70 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 185.1 %



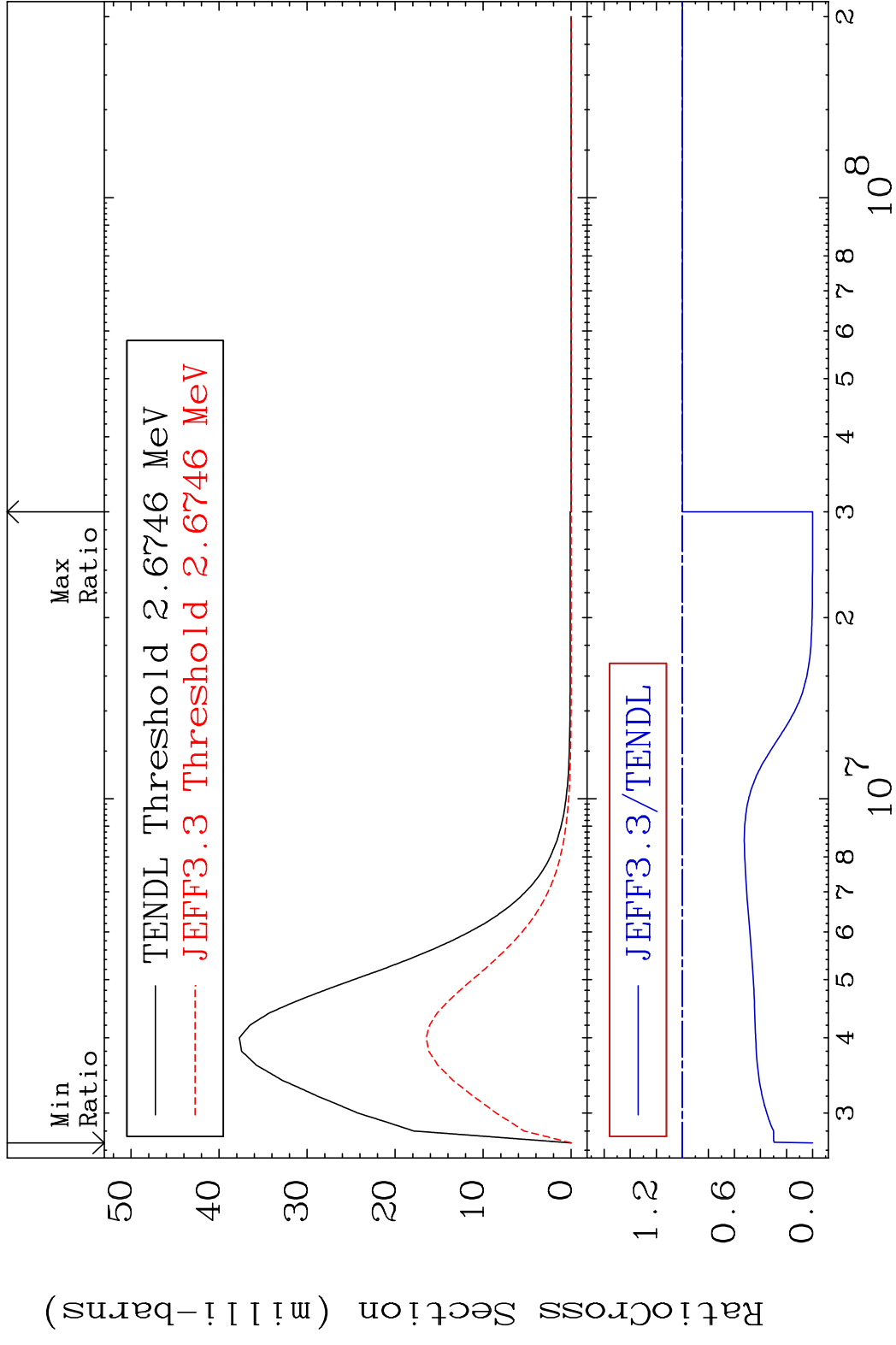
MAT 2134 MT= 71 (n, n') Level 21-Sc-48
 Cross Section -5.741 To 5.632 %



MAT 2134 MT= 72 (n, n') Level 21-Sc-48
 Cross Section -2.689 To 0.000 %

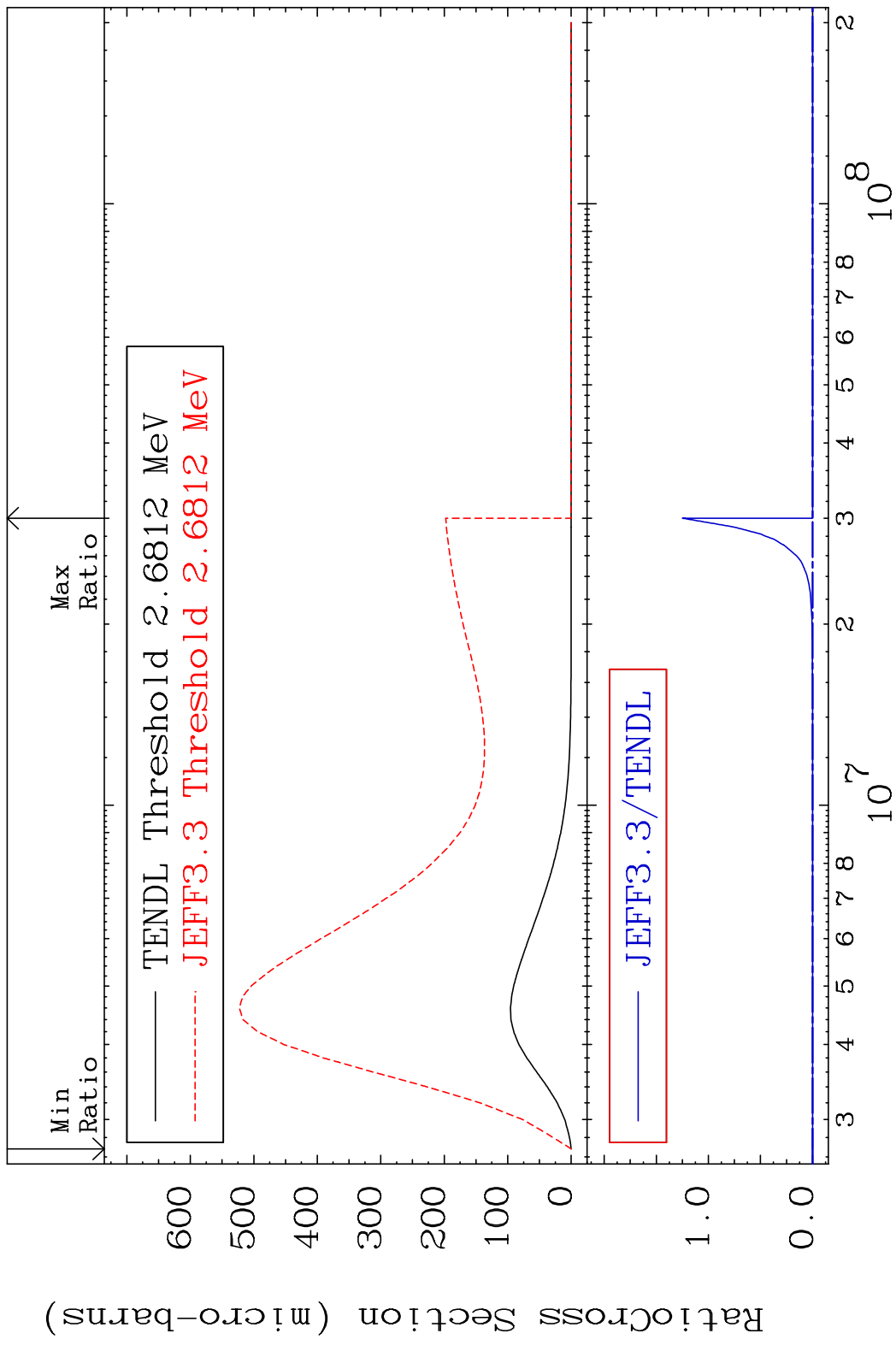


MAT 2134 MT= 73 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 0.000 %

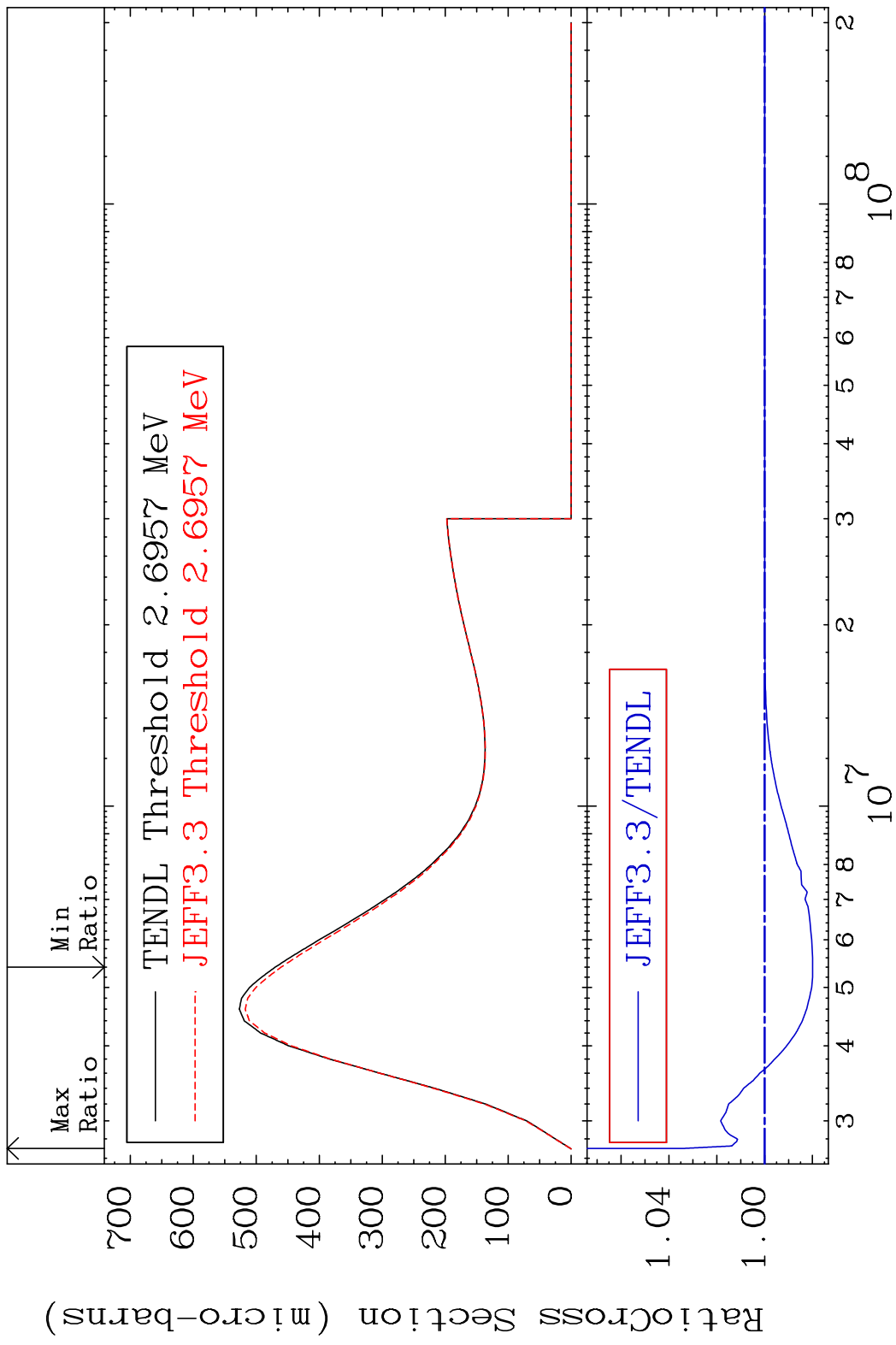


40 Incident Energy (eV) 21-Sc-48

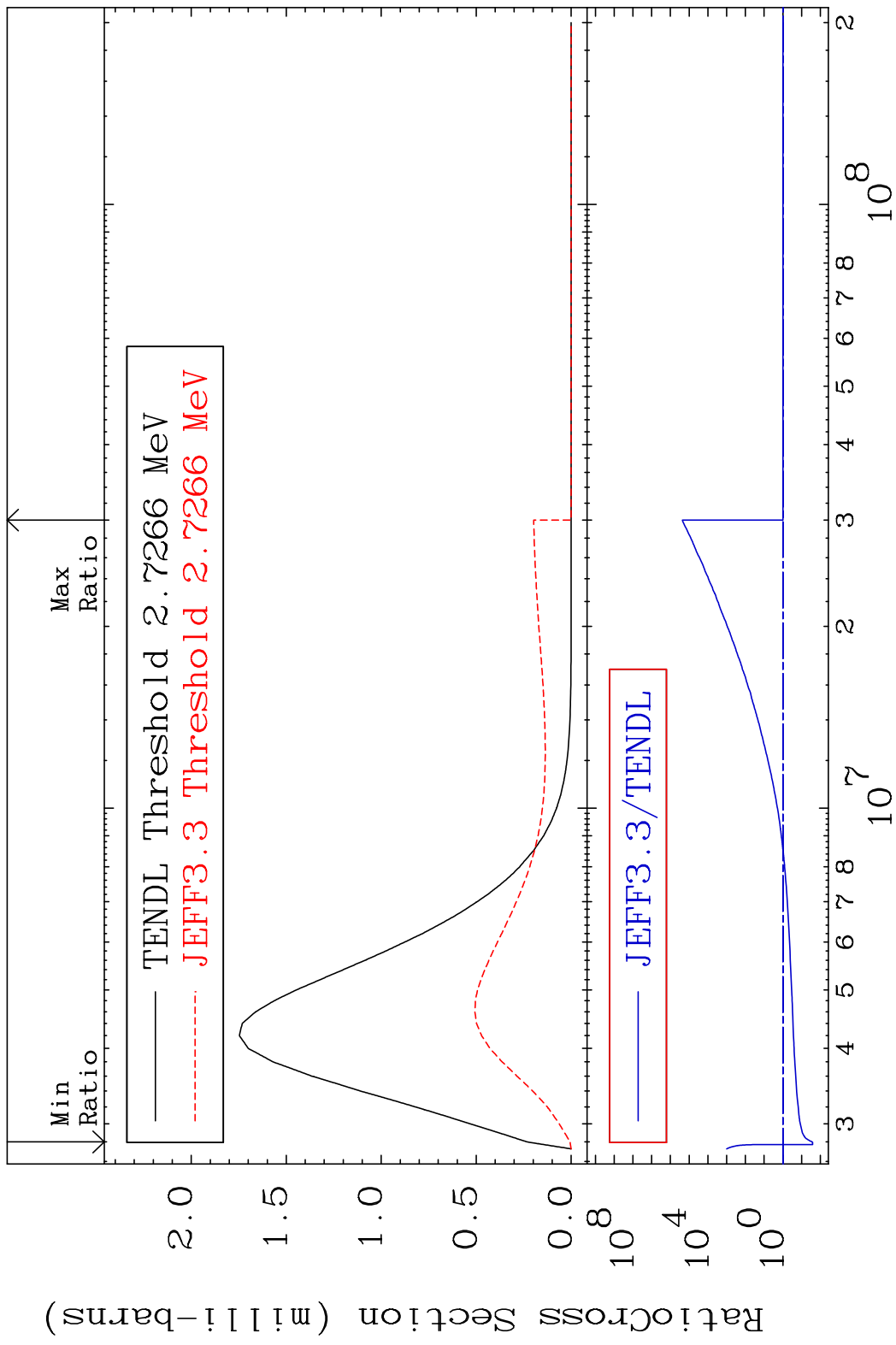
MAT 2134 MT= 74 (n, n') Level 21-Sc-48
 Cross Section -100.0 To 9999. %



MAT 2134 MT= 75 (n, n') Level 21-Sc-48
 Cross Section -2.003 To 3.437 %

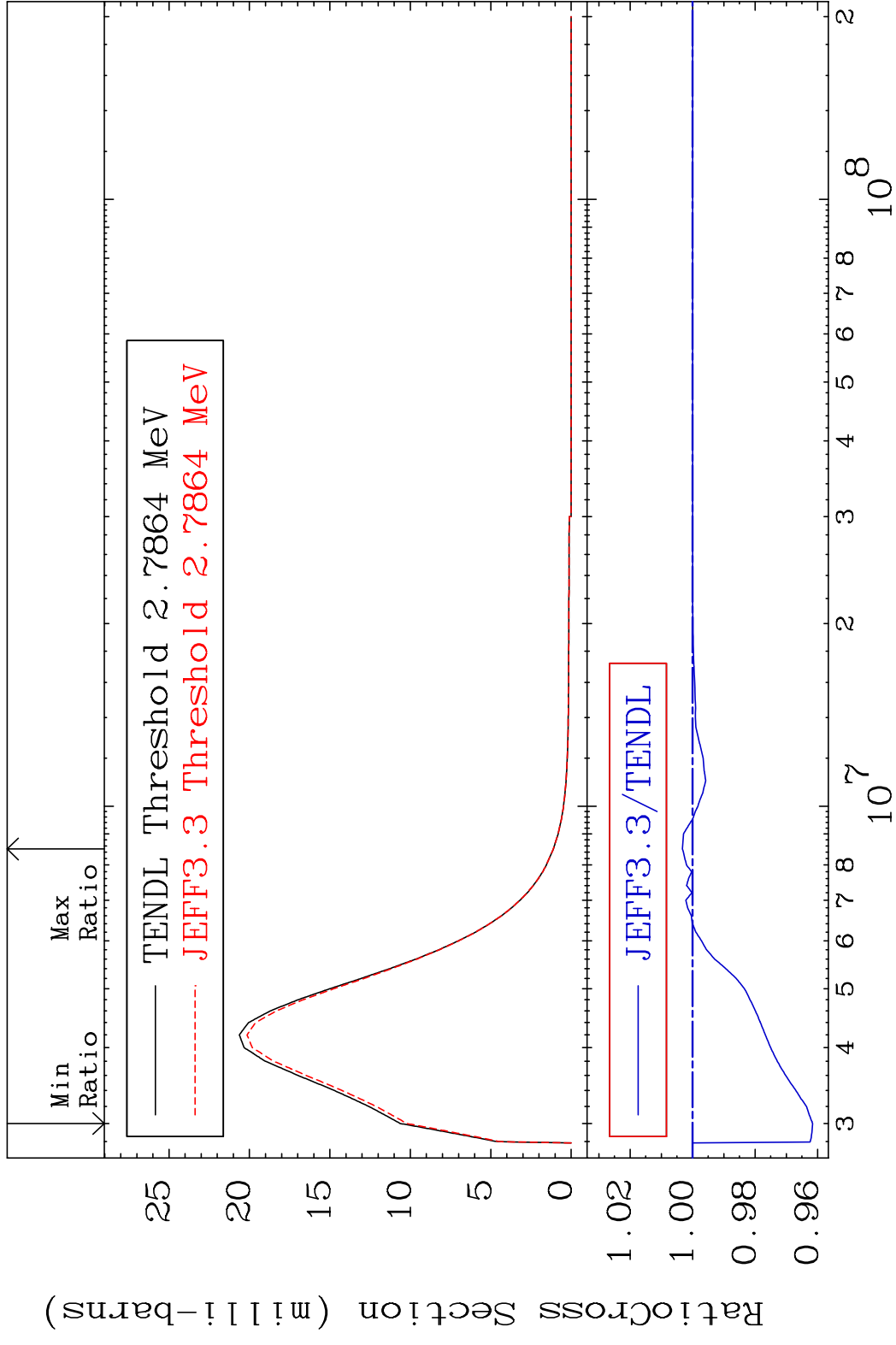


MAT 2134 MT= 76 (n, n') Level 21-Sc-48
 Cross Section -97.39 To 9999. %



43 21-Sc-48

MAT 2134 MT= 77 (n, n') Level 21-Sc-48
 Cross Section -3.840 To 0.328 %

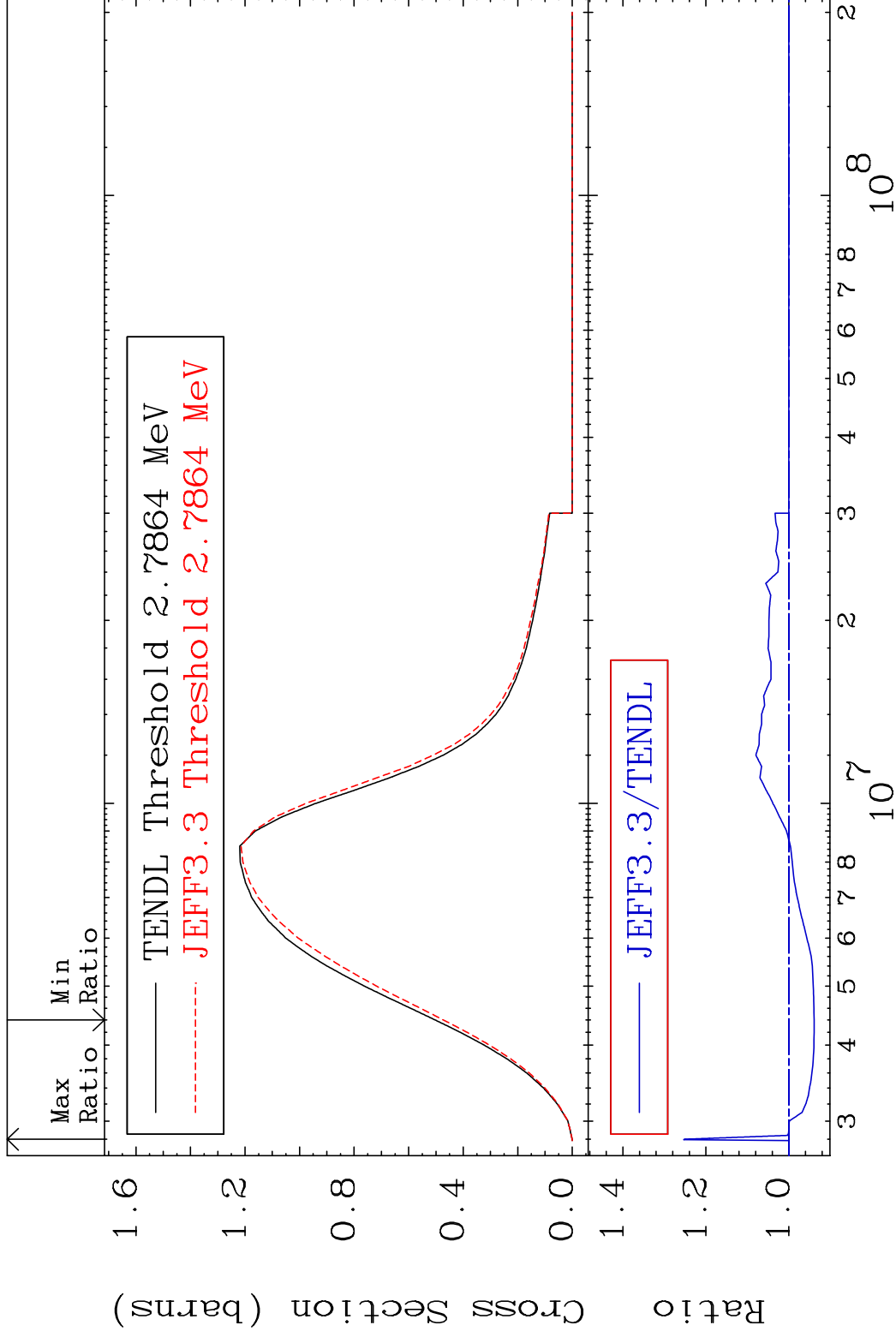


MAT 2134

(n,n') Continuum

21-Sc-48

Cross Section -6.081 To 25.36 %



45

Incident Energy (eV)

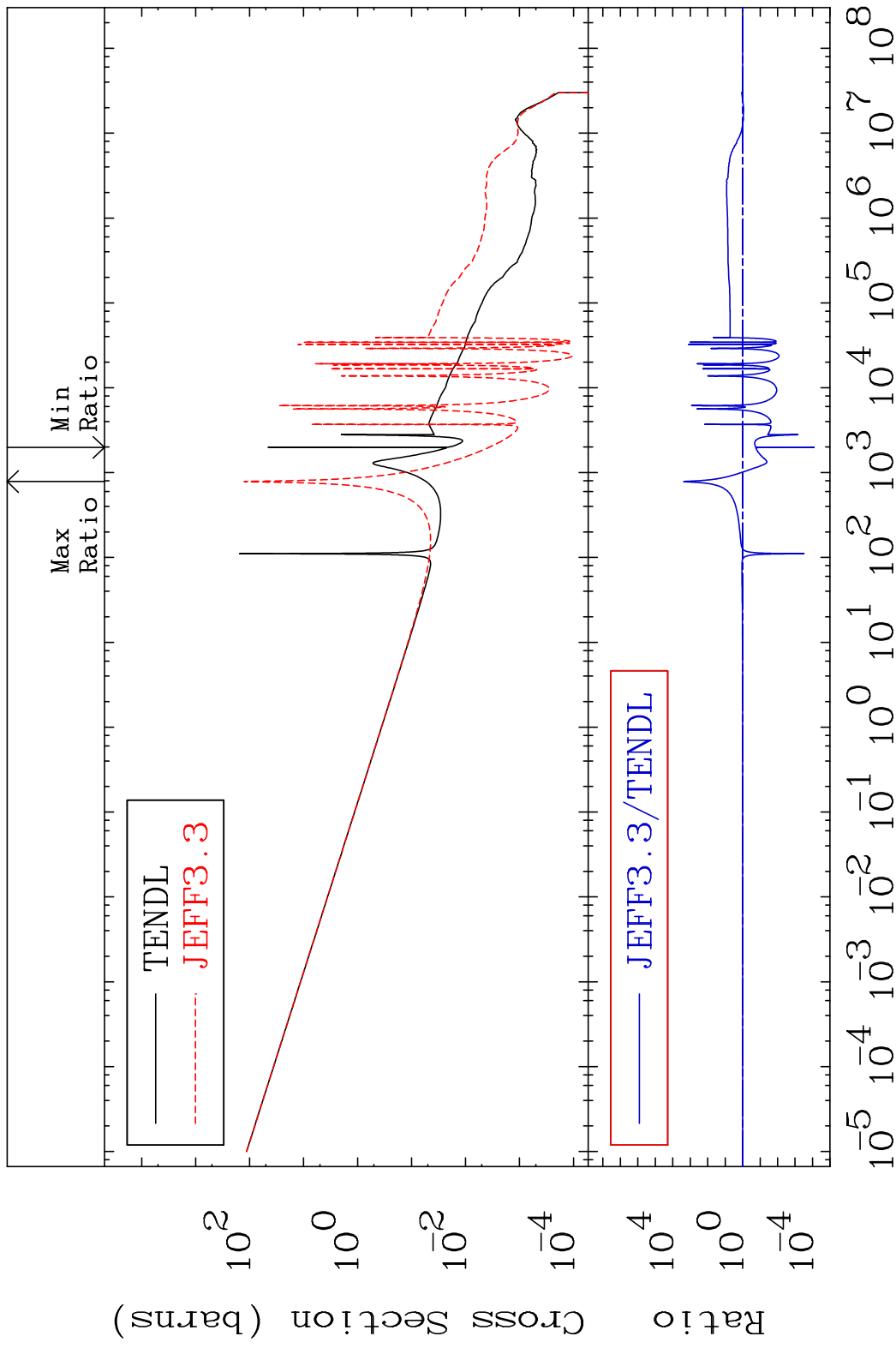
21-Sc-48

MAT 2134

21-Sc-48

(n, γ)

Cross Section -99.99 To 9999. %



46

Incident Energy (eV)

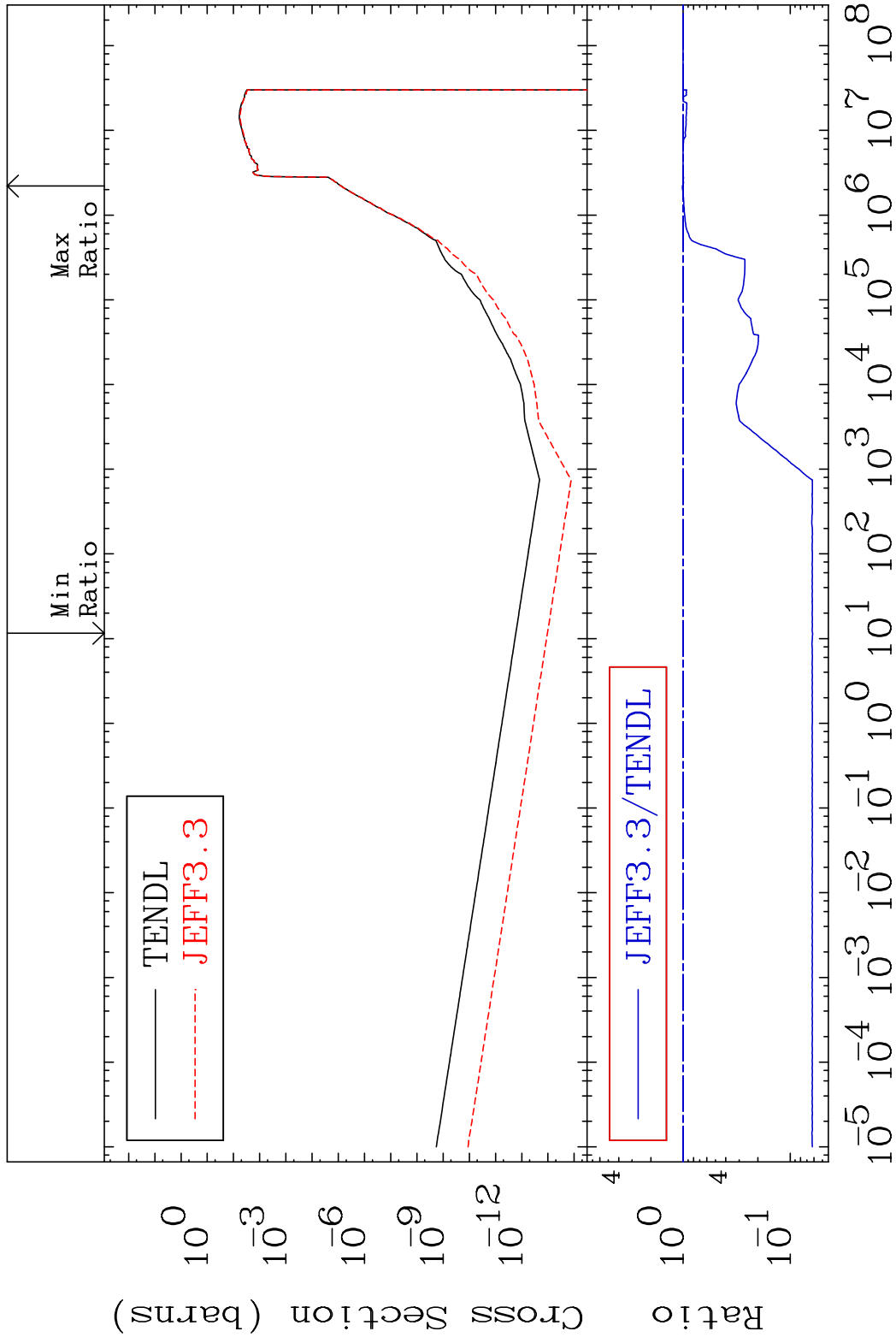
21-Sc-48

MAT 2134

(n, p)

21-Sc-48

Cross Section -93.81 To 1.680 %



47

Incident Energy (eV)

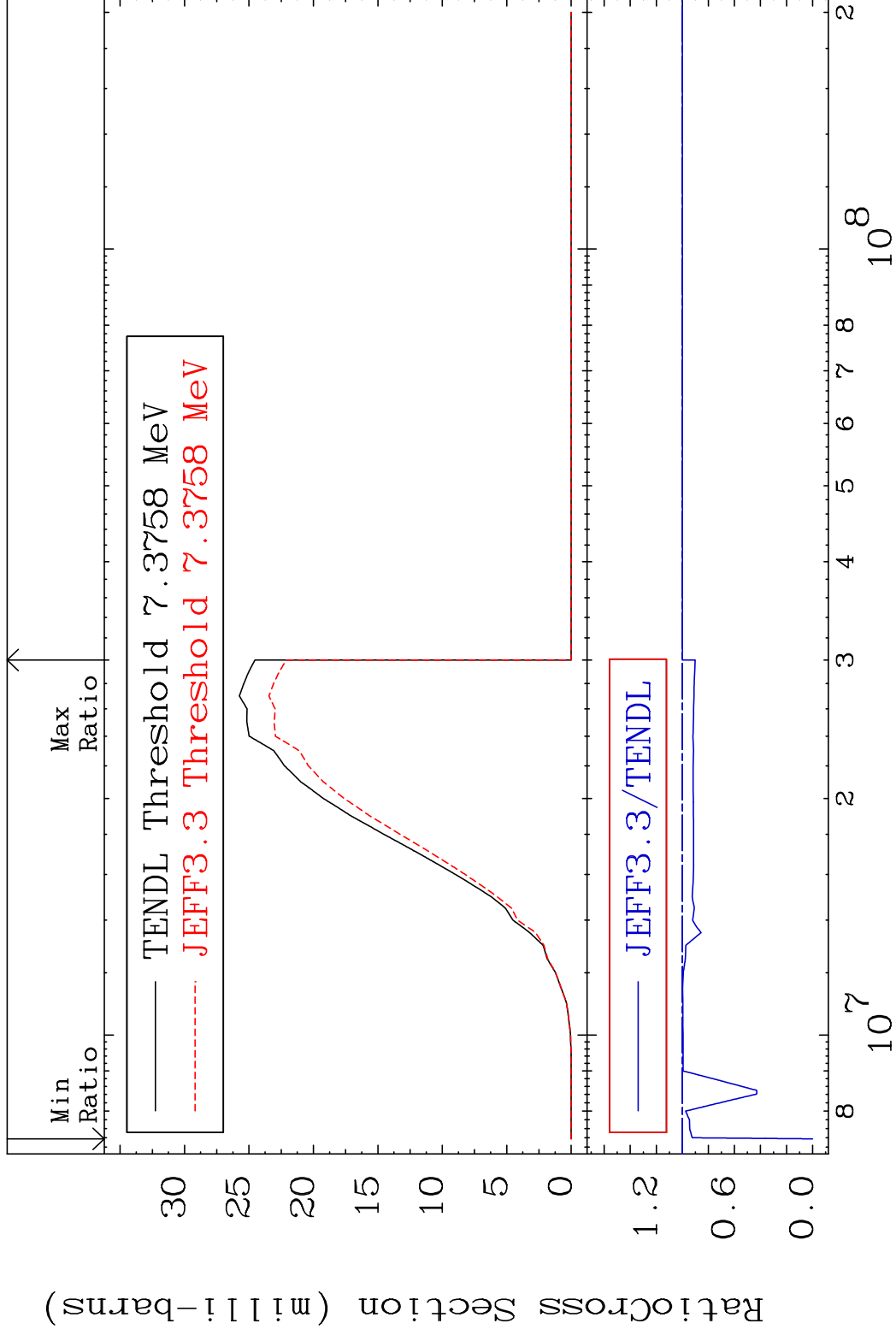
21-Sc-48

MAT 2134

(n,d)

21-Sc-48

Cross Section -100.0 To 0.000 %



48

Incident Energy (eV)

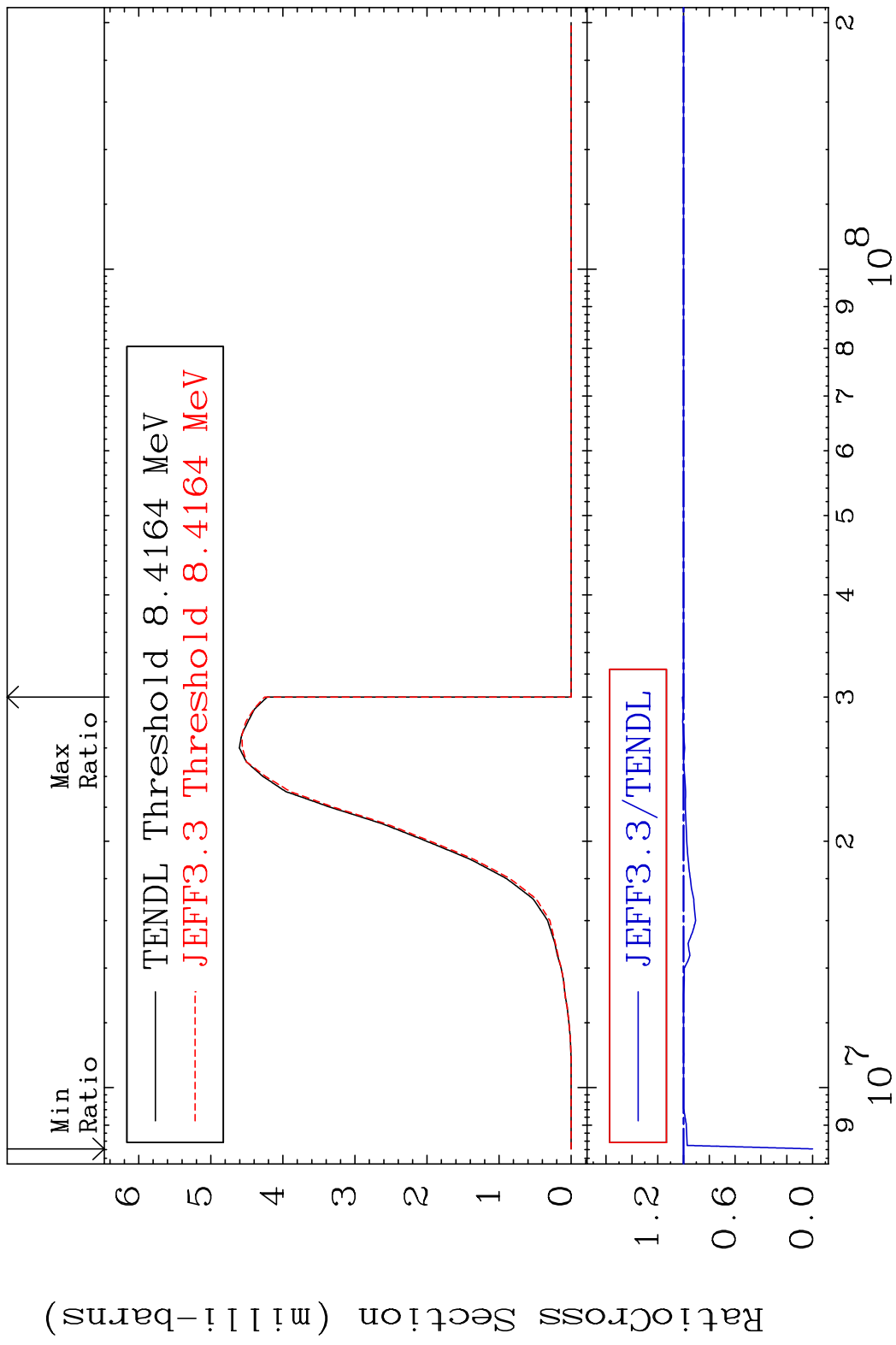
21-Sc-48

MAT 2134

(n, t)

21-Sc-48

Cross Section -100.0 To 0.892 %



49

Incident Energy (eV)

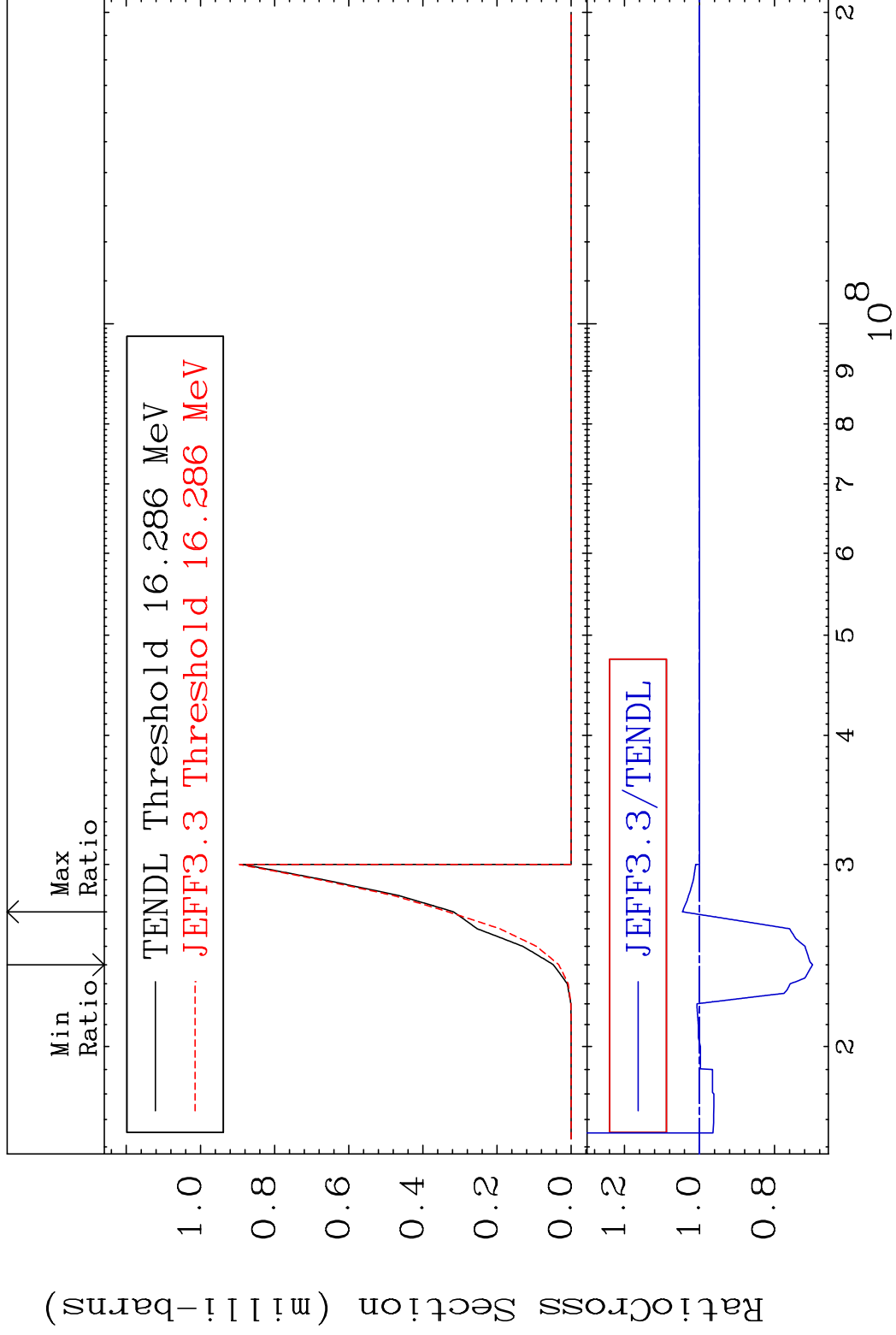
21-Sc-48

MAT 2134

(n, He-3)

21-Sc-48

Cross Section -30.13 To 4.581 %



50

Incident Energy (eV)

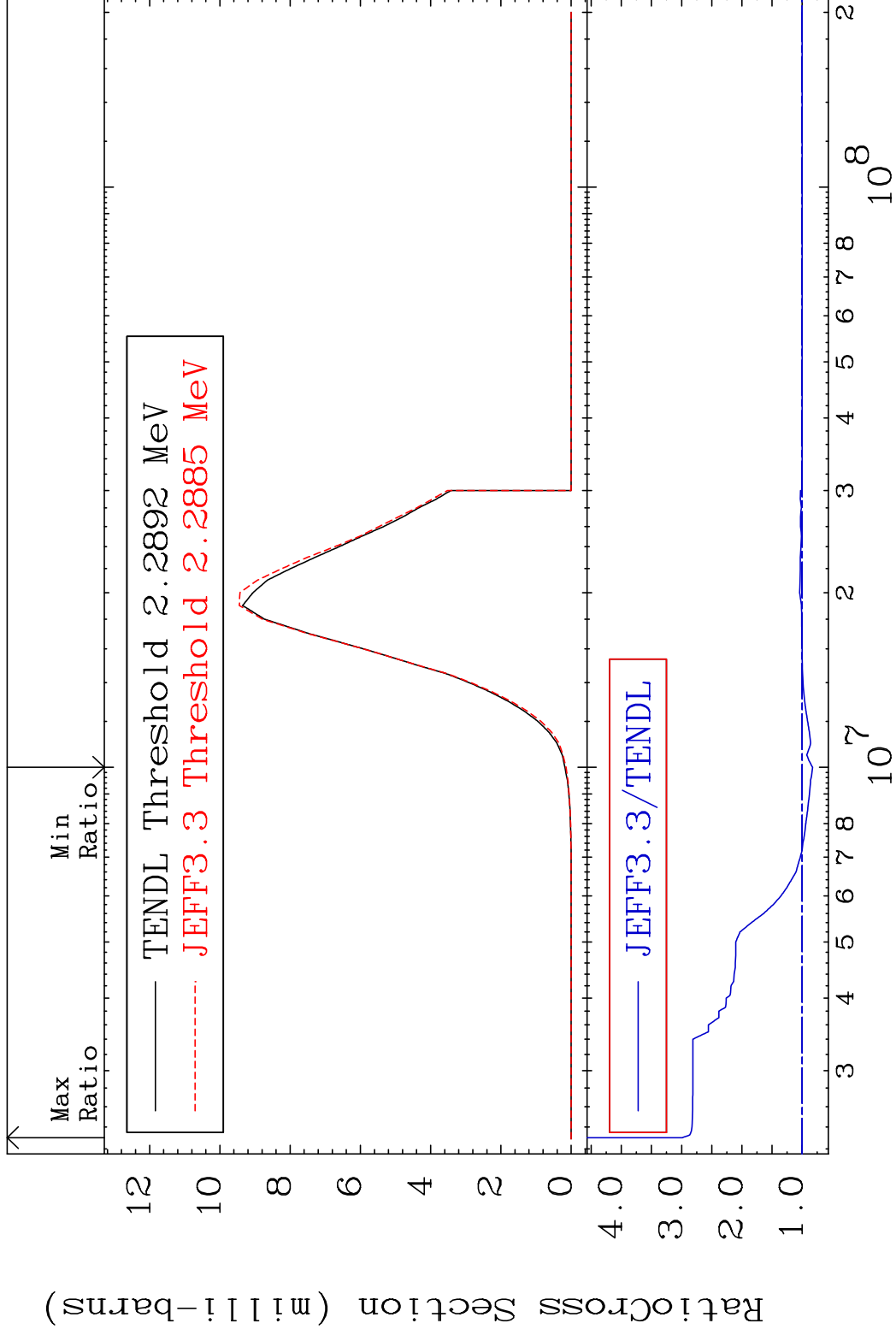
21-Sc-48

MAT 2134

(n, α)

21-Sc-48

Cross Section -17.34 To 198.7 %



51

Incident Energy (eV)

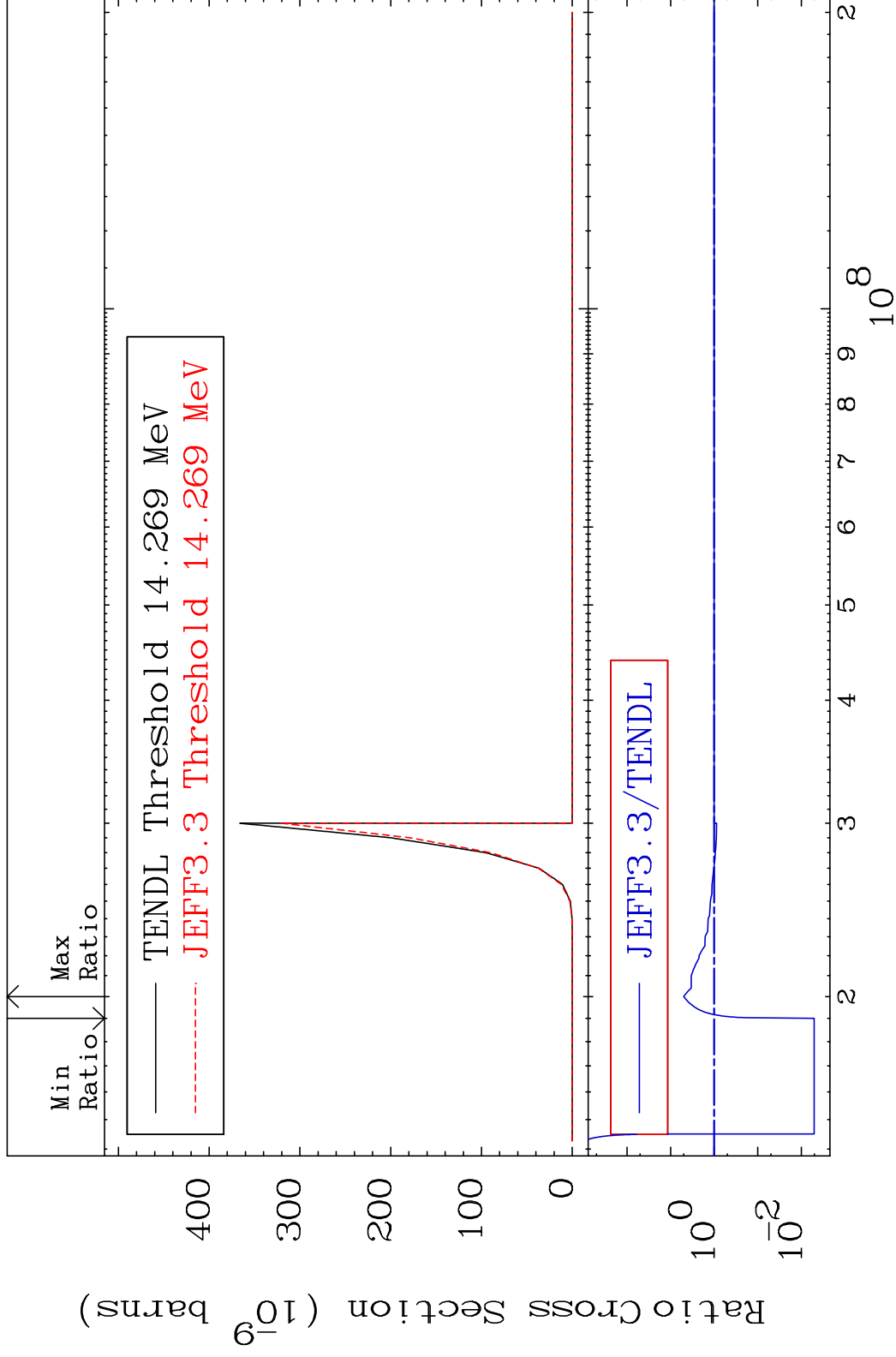
21-Sc-48

MAT 2134

(n,2α)

21-Sc-48

Cross Section -99.49 To 401.0 %

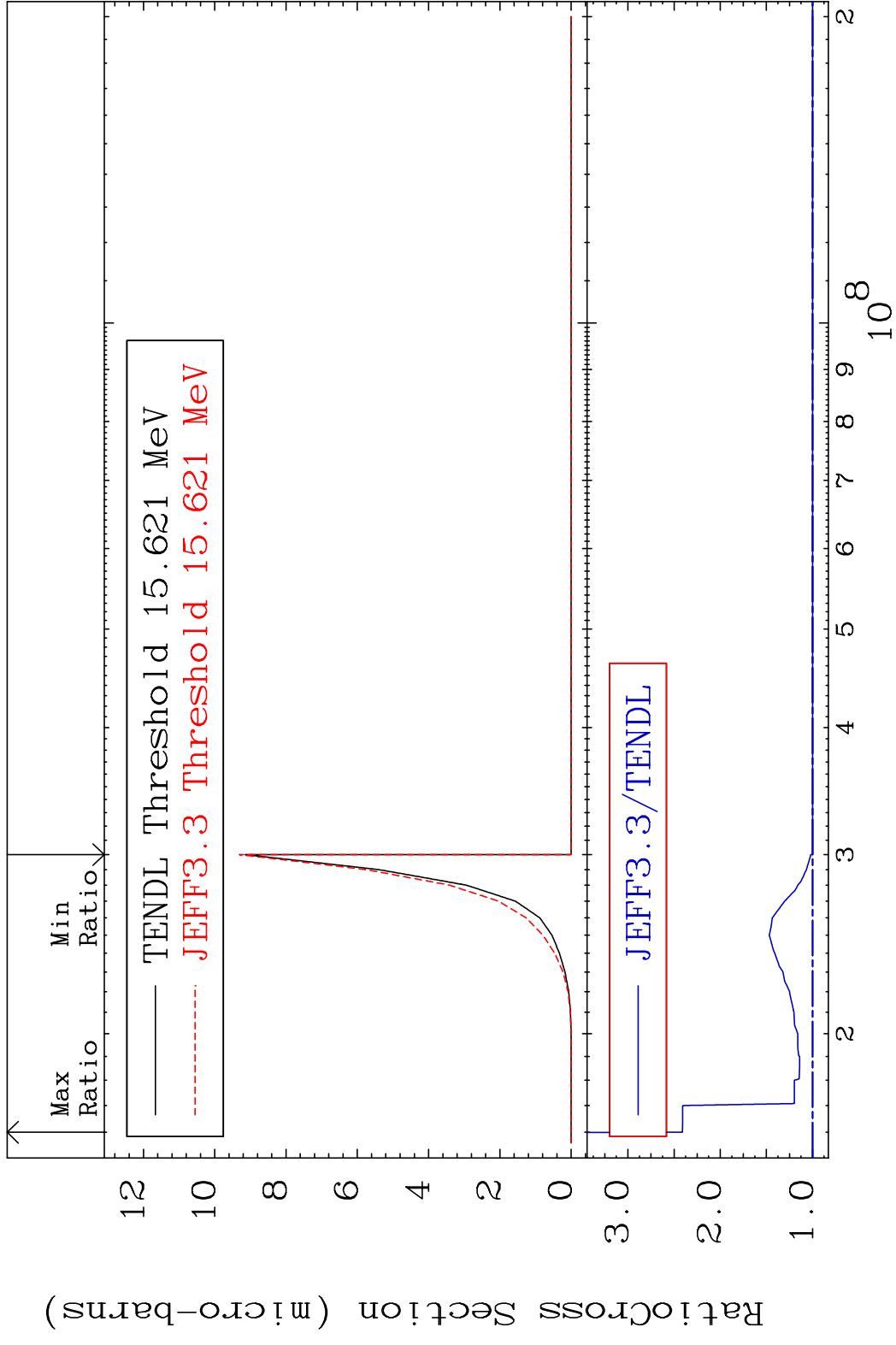


52

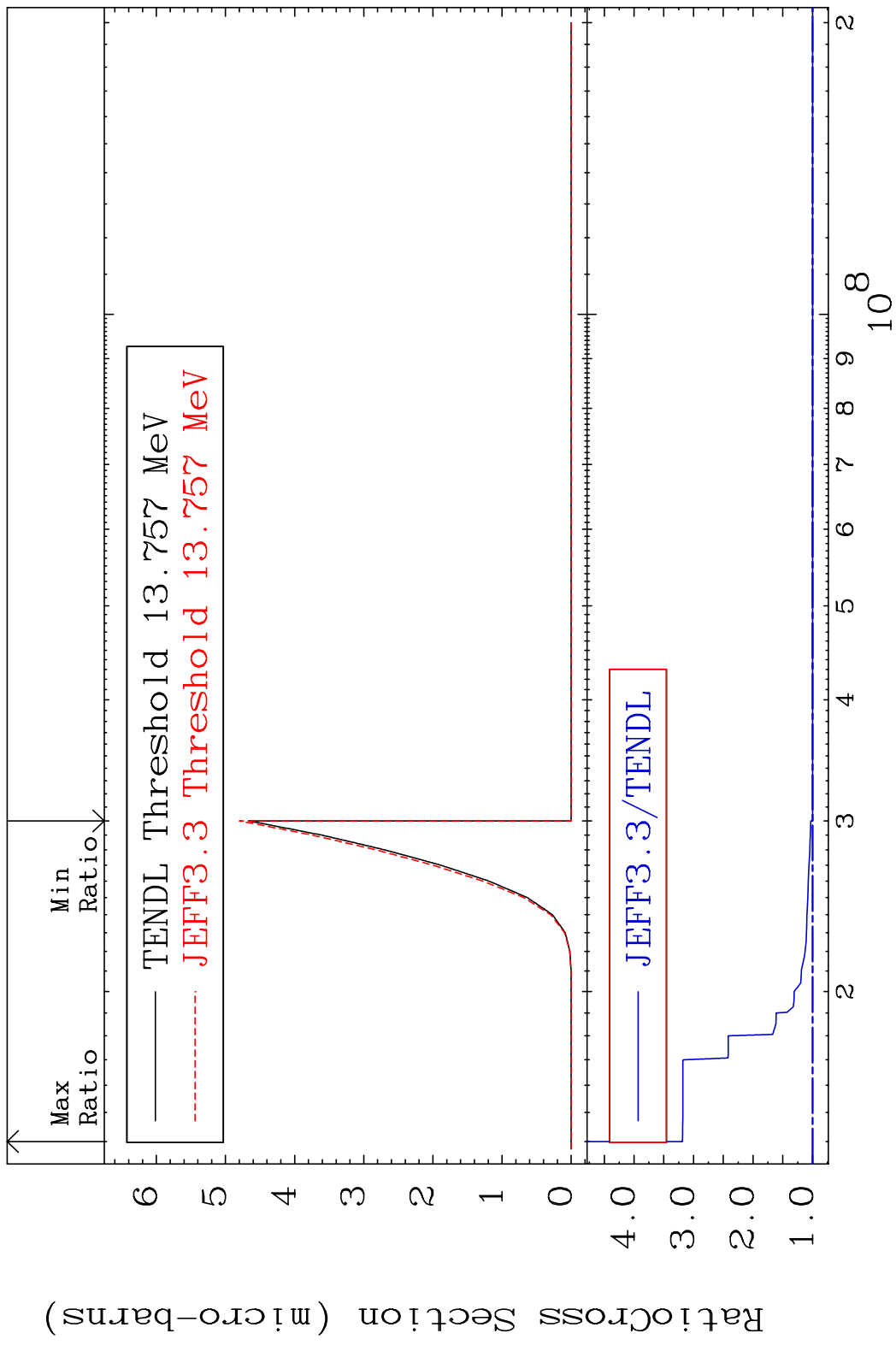
Incident Energy (eV)

21-Sc-48

MAT 2134 (n,2p) 21-Sc-48
 Cross Section 0.000 To 141.0 %



MAT 2134 (n,p) α 21-Sc-48
 Cross Section 0.000 To 218.8 %

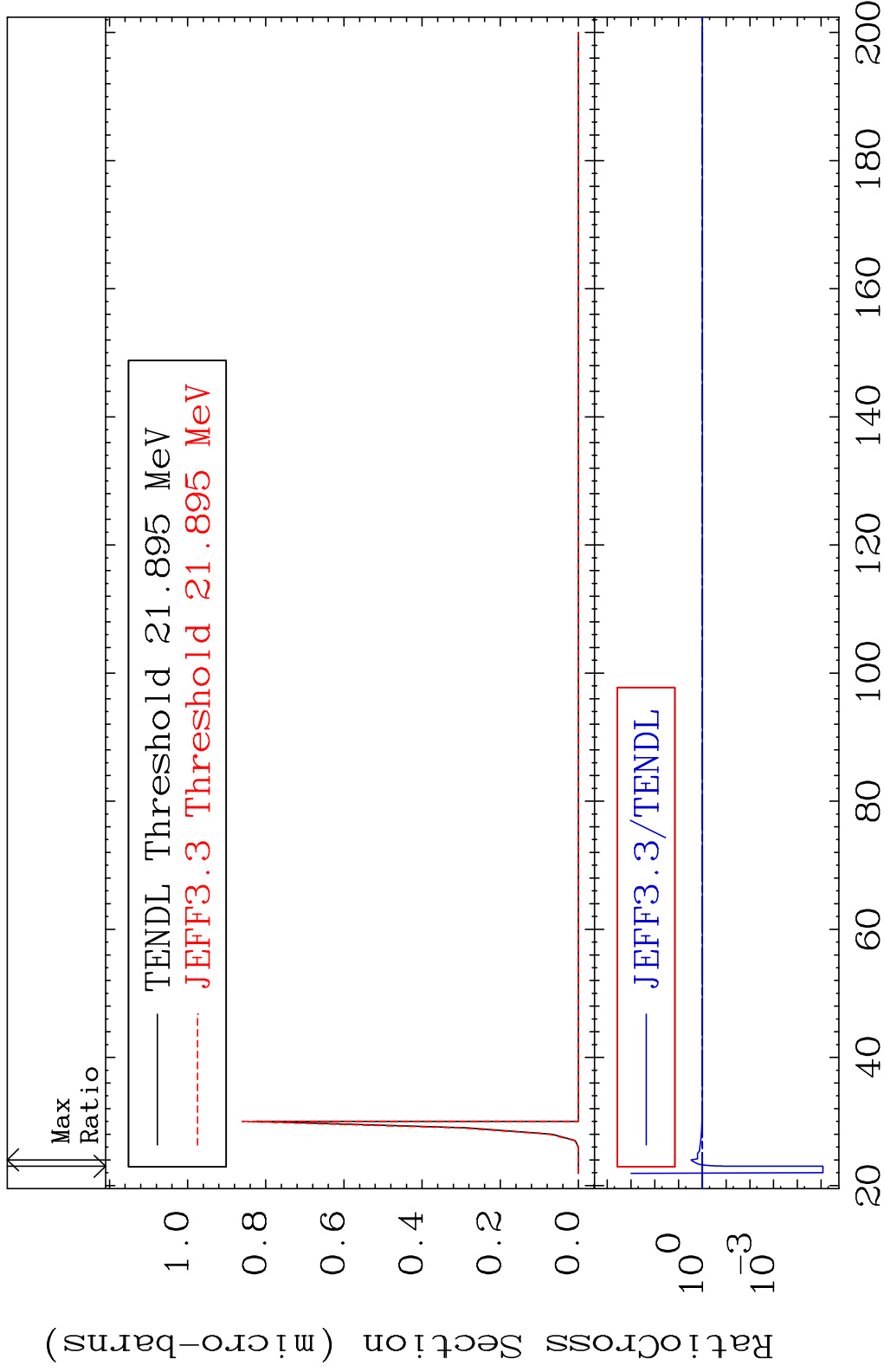


MAT 2134

(n,p) d

21-Sc-48

Cross Section -100.0 To 199.1 %

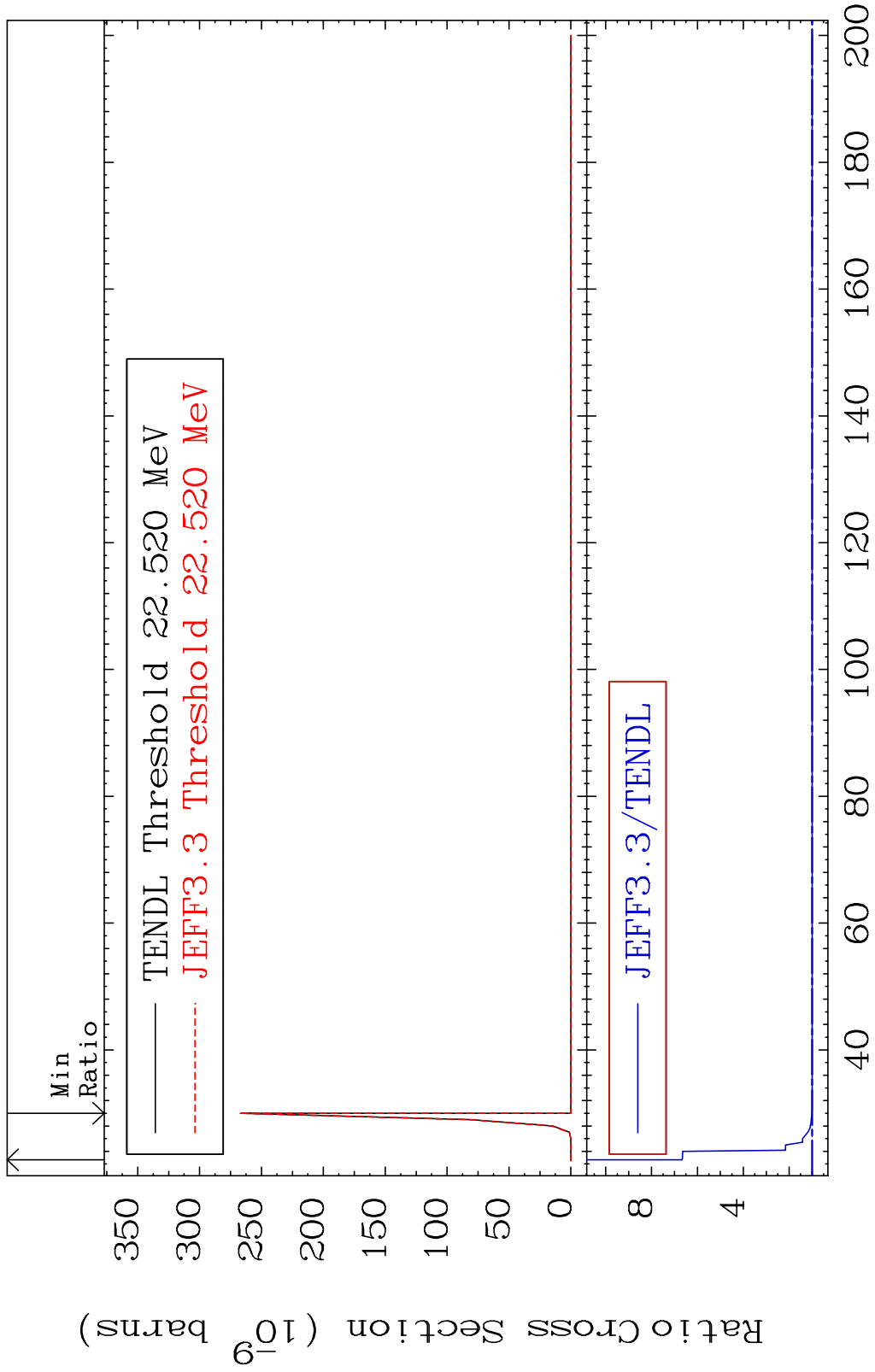


55

Incident Energy (MeV)

21-Sc-48

MAT 2134 (n,p) t 21-Sc-48
 Cross Section 0.000 To 567.4 %

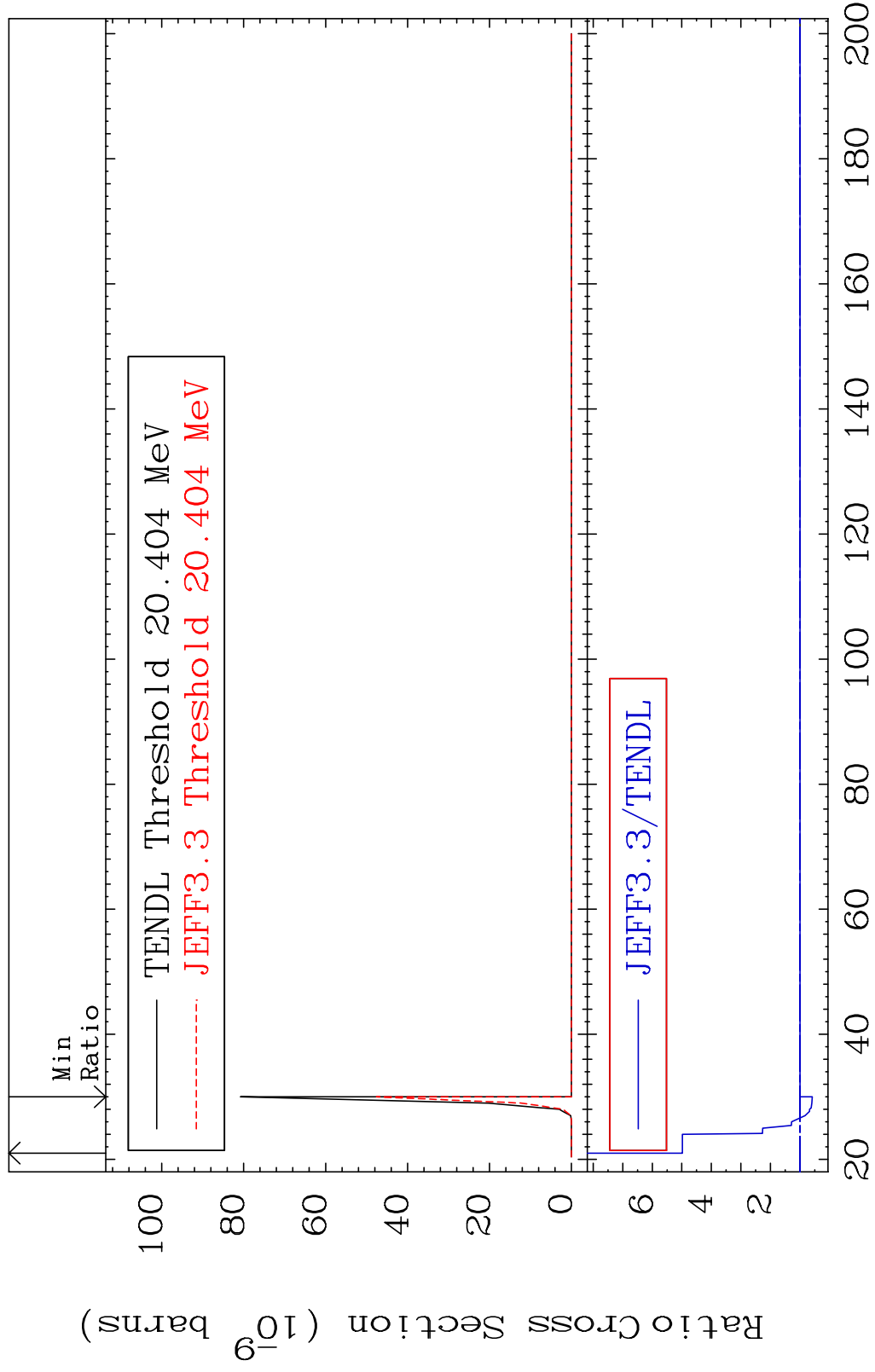


MAT 2134

(n, d) α

21-Sc-48

Cross Section -41.11 To 398.2 %



57

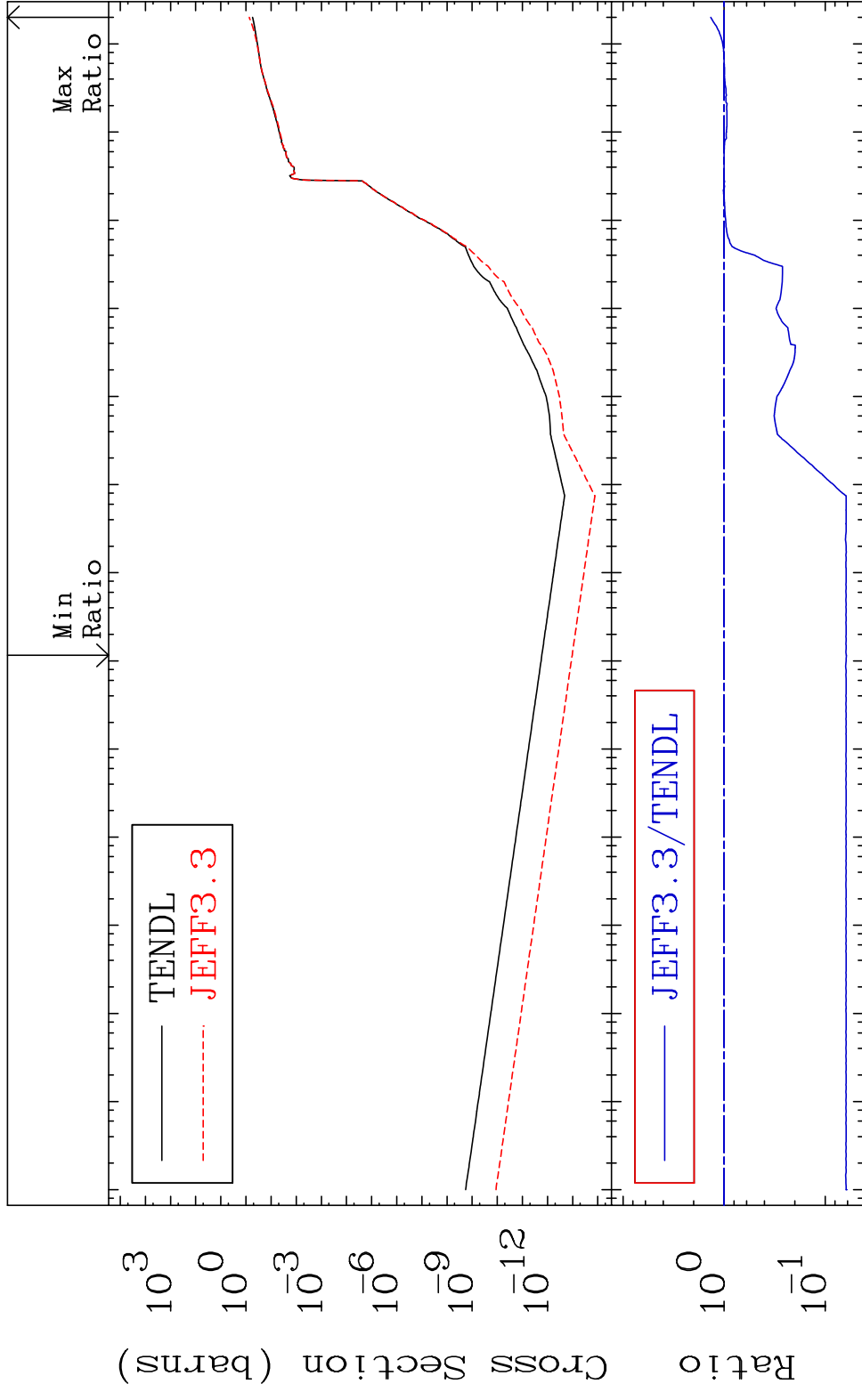
Incident Energy (MeV)

21-Sc-48

MAT 2134

Hydrogen Production
Cross Section -93.81 To 35.70 %

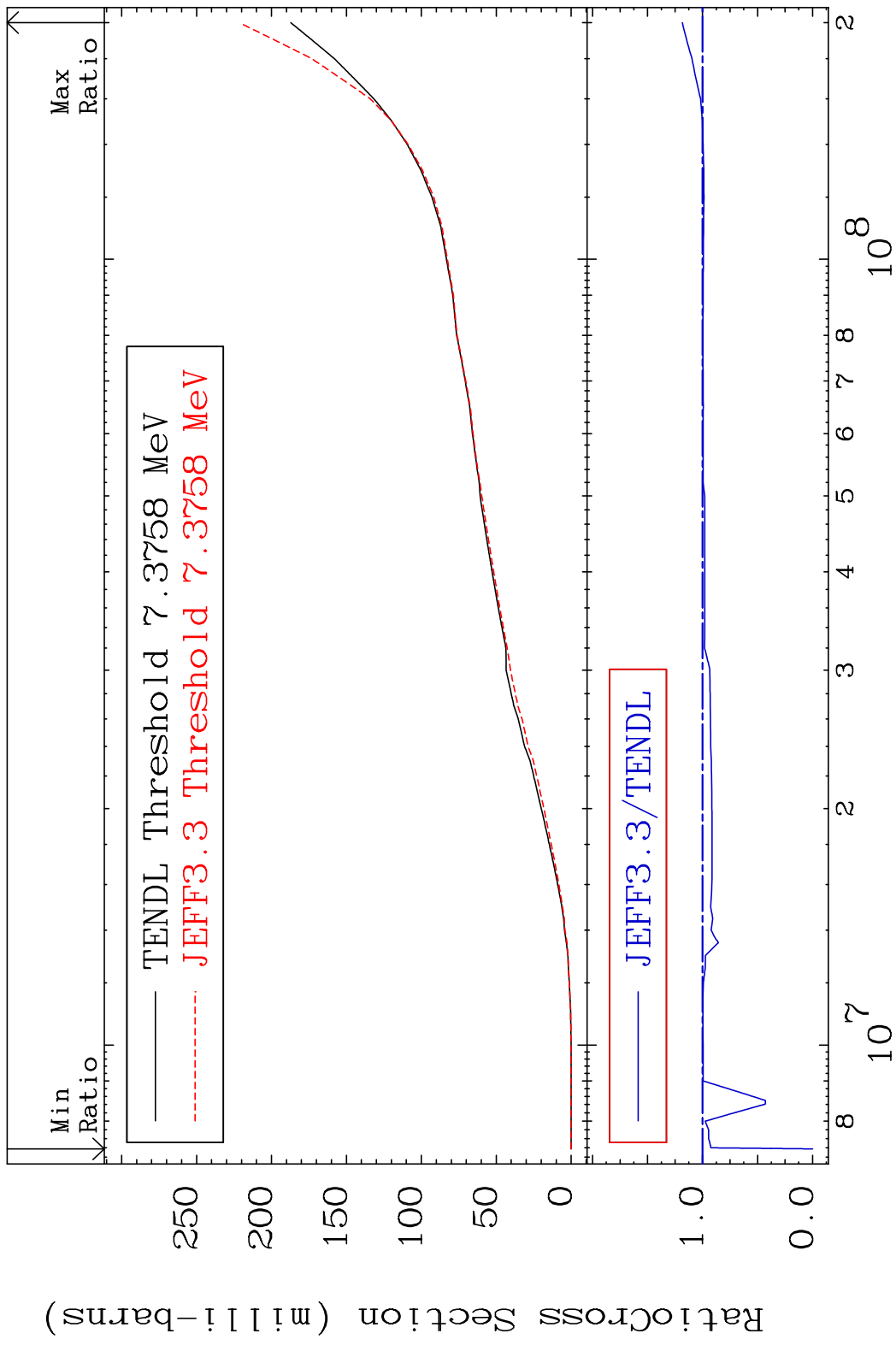
21-Sc-48



Cross Section (barns)
 10^3
 10^0
 10^{-3}
 10^{-6}
 10^{-9}
 10^{-12}
Ratio
 10^0
 10^{-1}

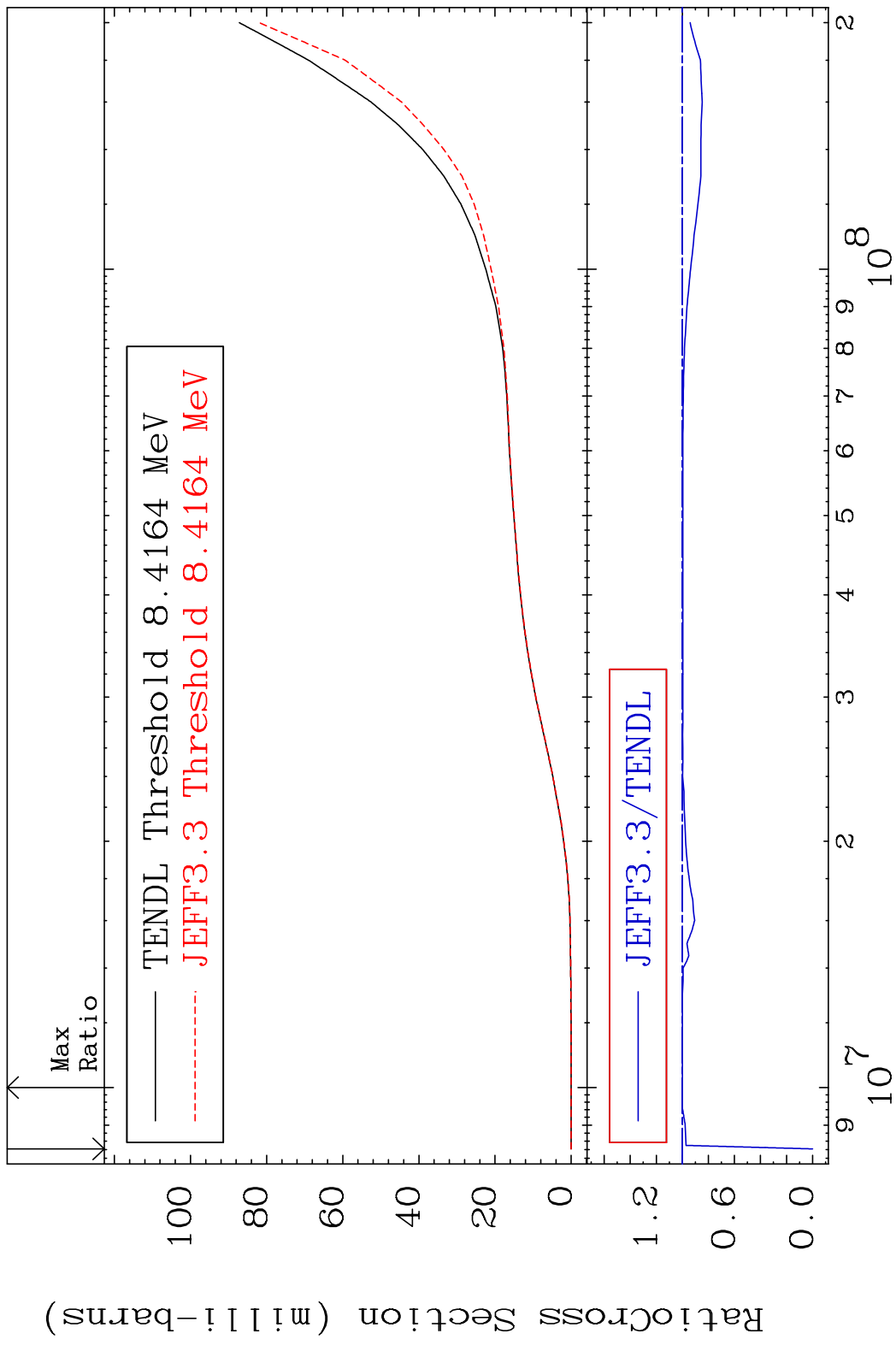
Incident Energy (eV)
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

MAT 2134 Deuterium Production 21-Sc-48
 Cross Section -100.0 To 18.36 %

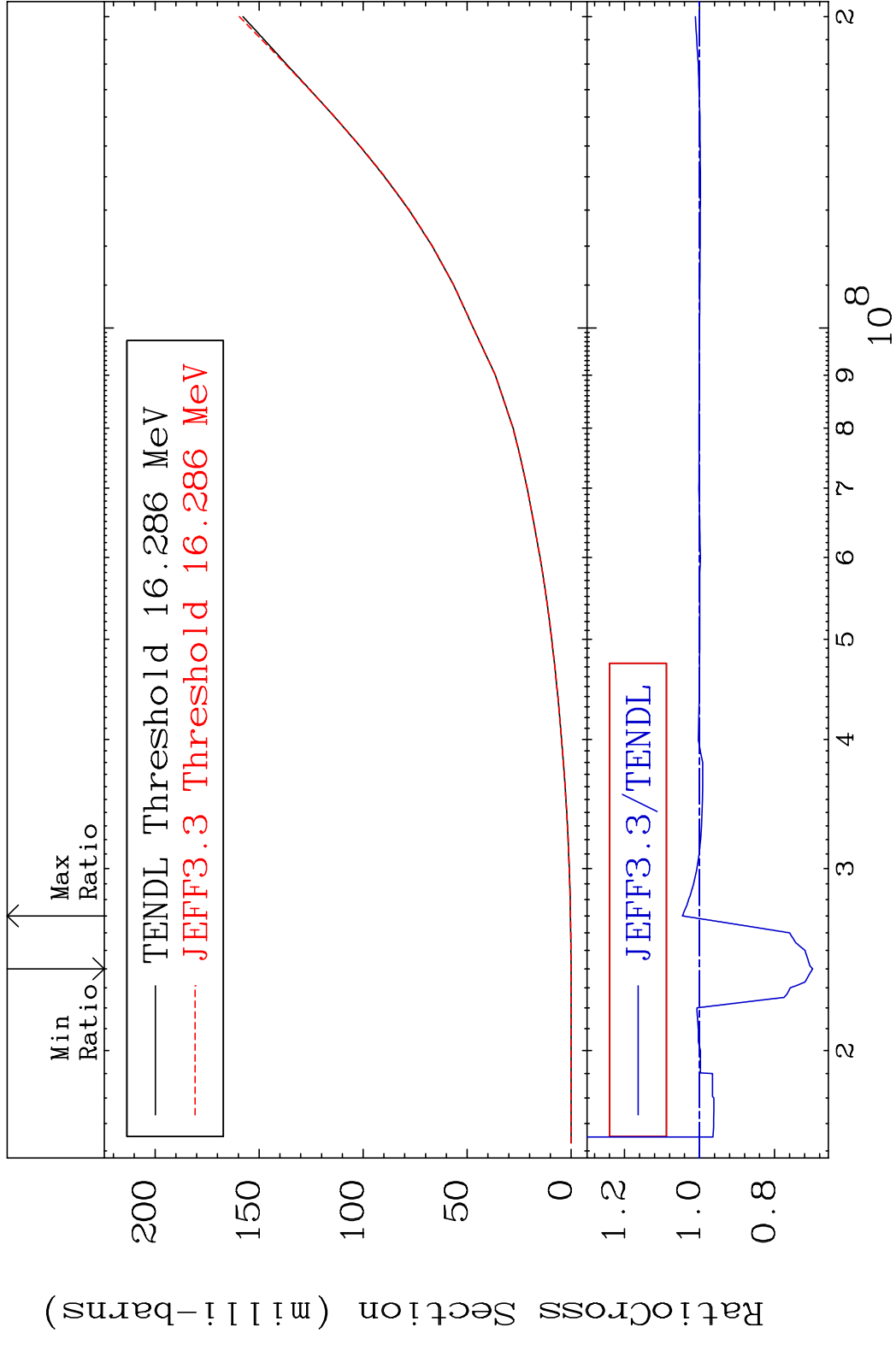


59 Incident Energy (eV) 21-Sc-48

MAT 2134 Tritium Production 21-Sc-48
 Cross Section -100.0 To -0.012%



60 Incident Energy (eV) 21-Sc-48

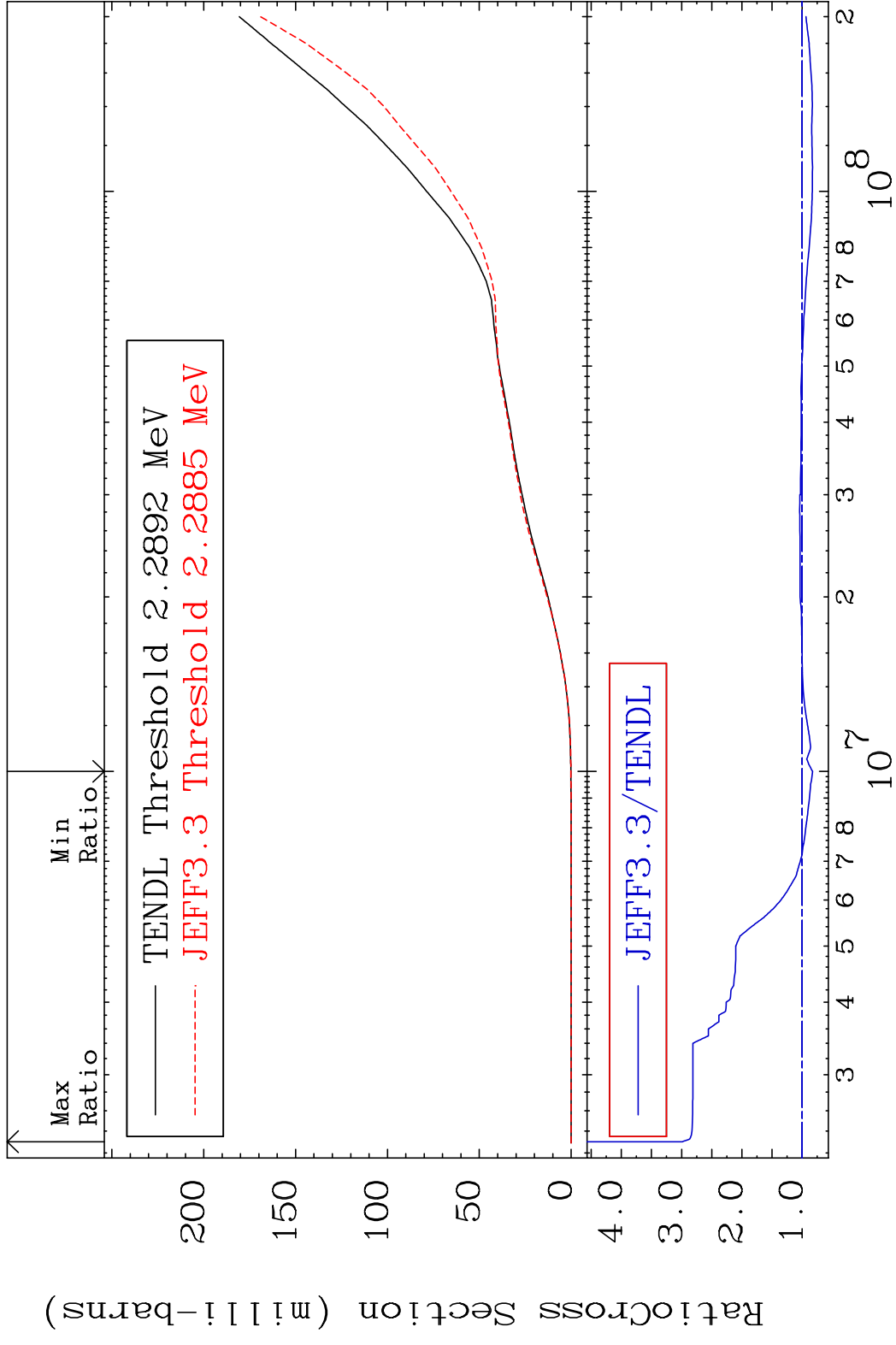


MAT 2134

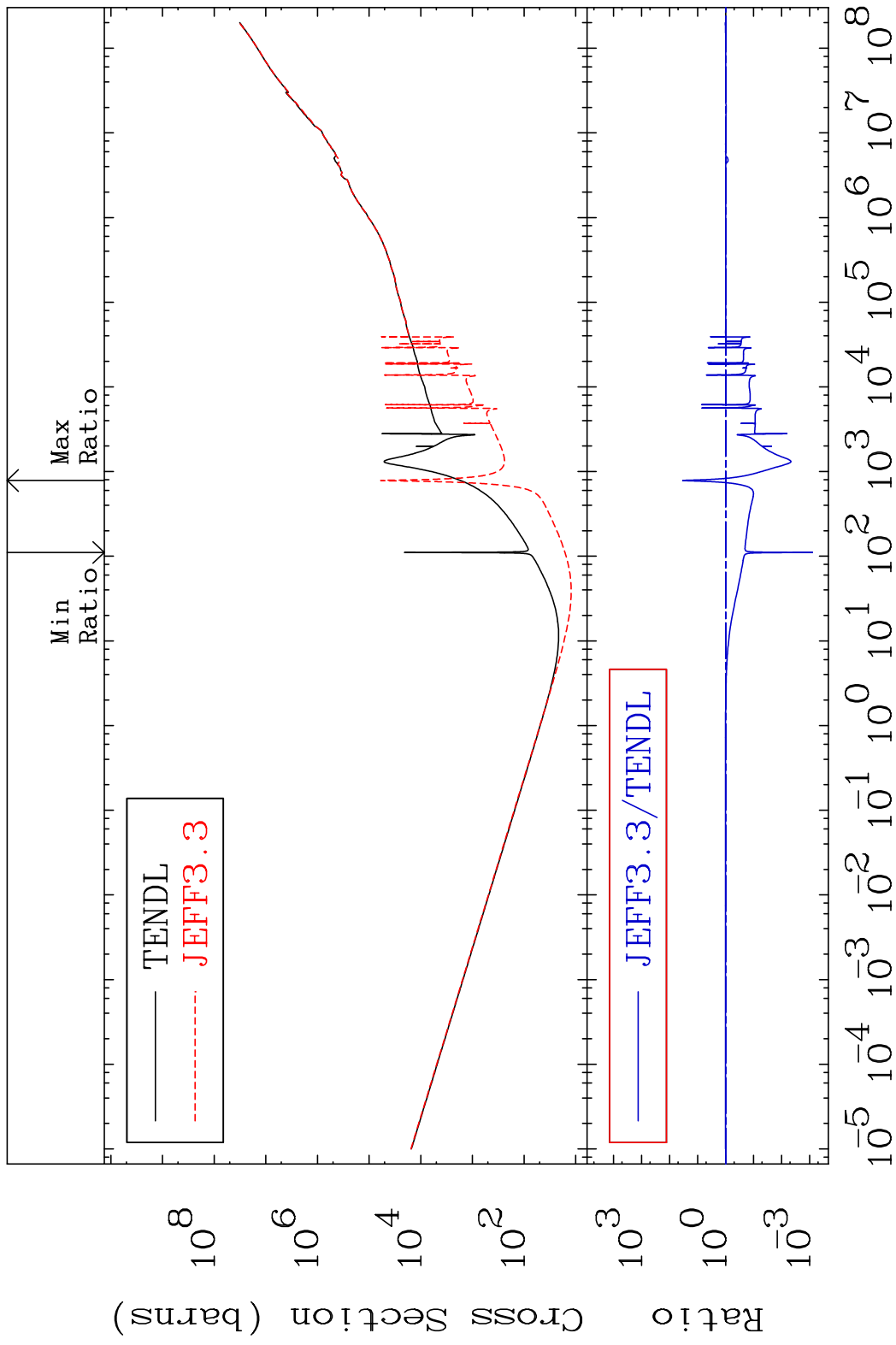
He-4 Production

21-Sc-48

Cross Section -17.34 To 198.7 %



MAT 2134 Kerma total (eV-barns) 21-Sc-48
 Cross Section -99.92 To 3407. %



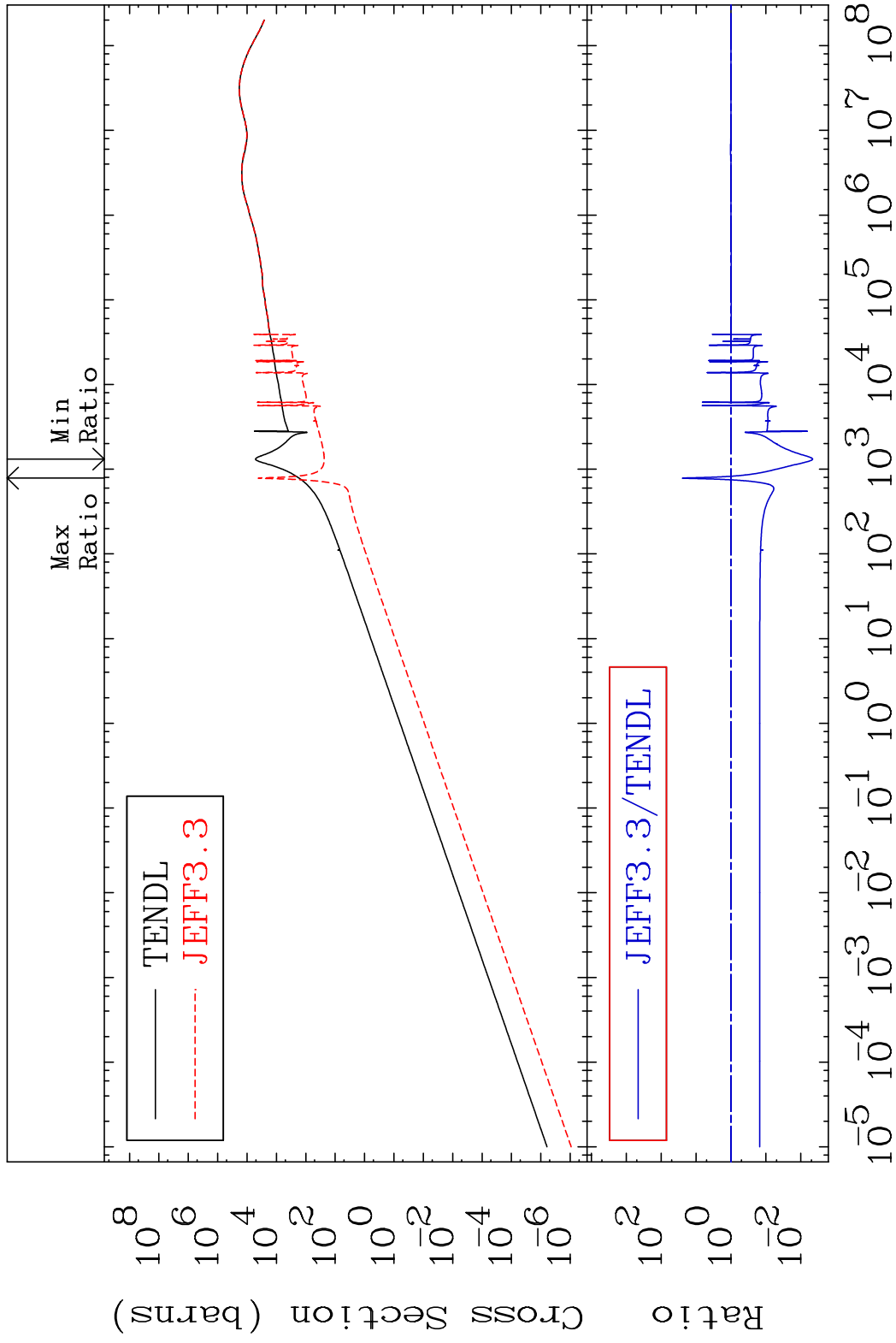
63 Incident Energy (eV) 21-Sc-48

MAT 2134

Kerma elastic

21-Sc-48

Cross Section -99.54 To 2386. %

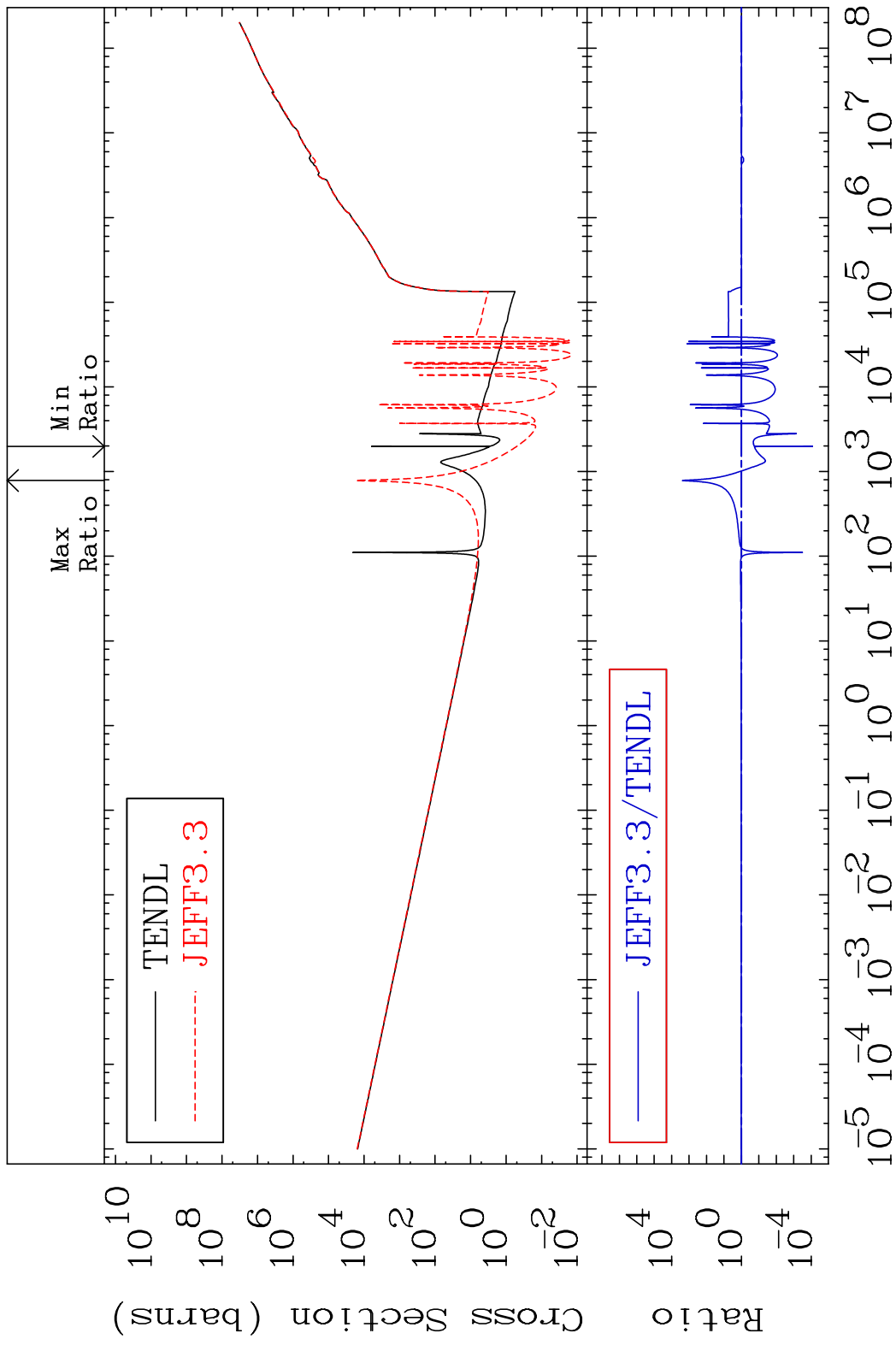


64

Incident Energy (eV)

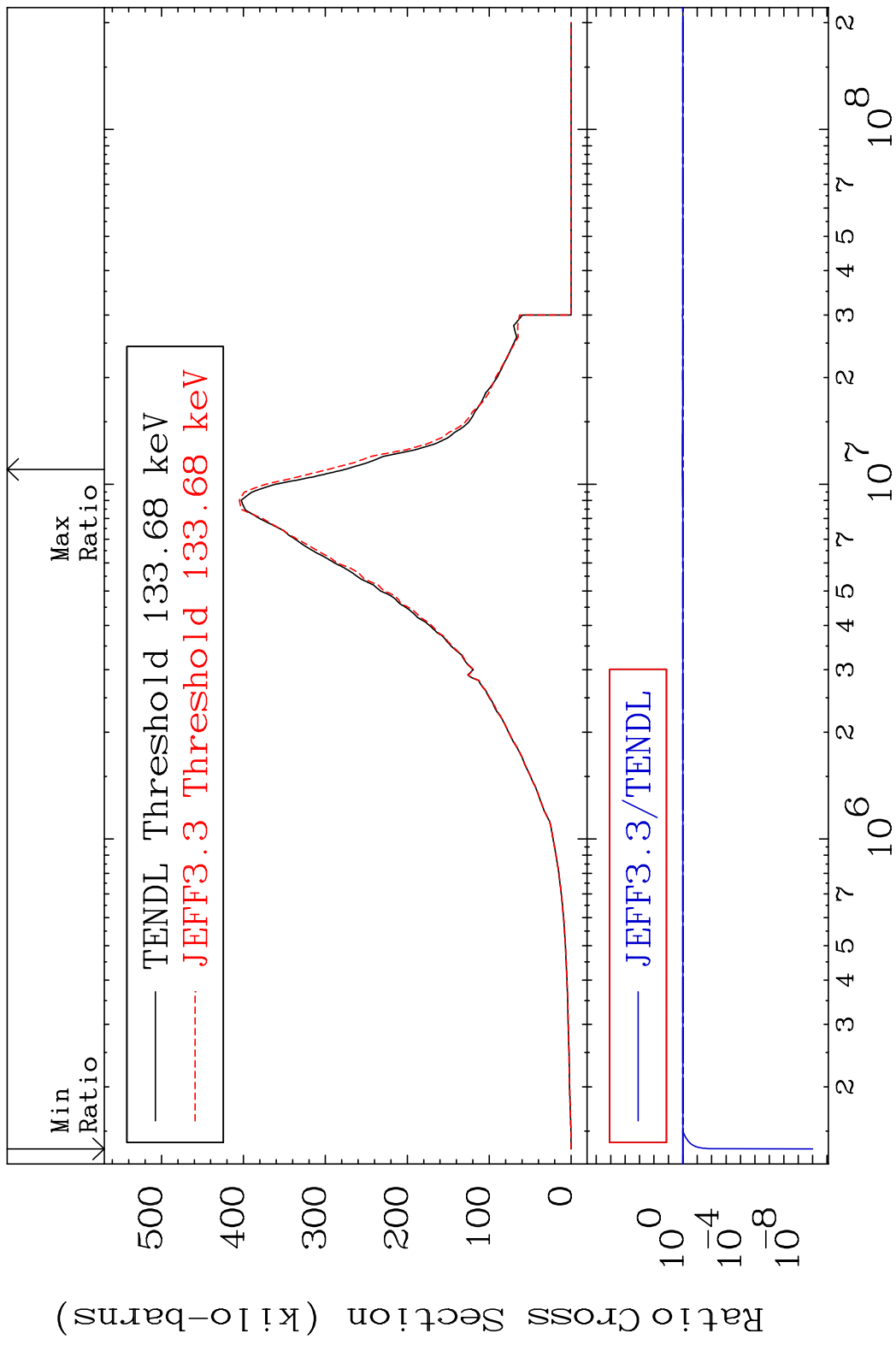
21-Sc-48

MAT 2134 Kerma non-elastic (all but mt2) 21-Sc-48
 Cross Section -99.99 To 9999. %

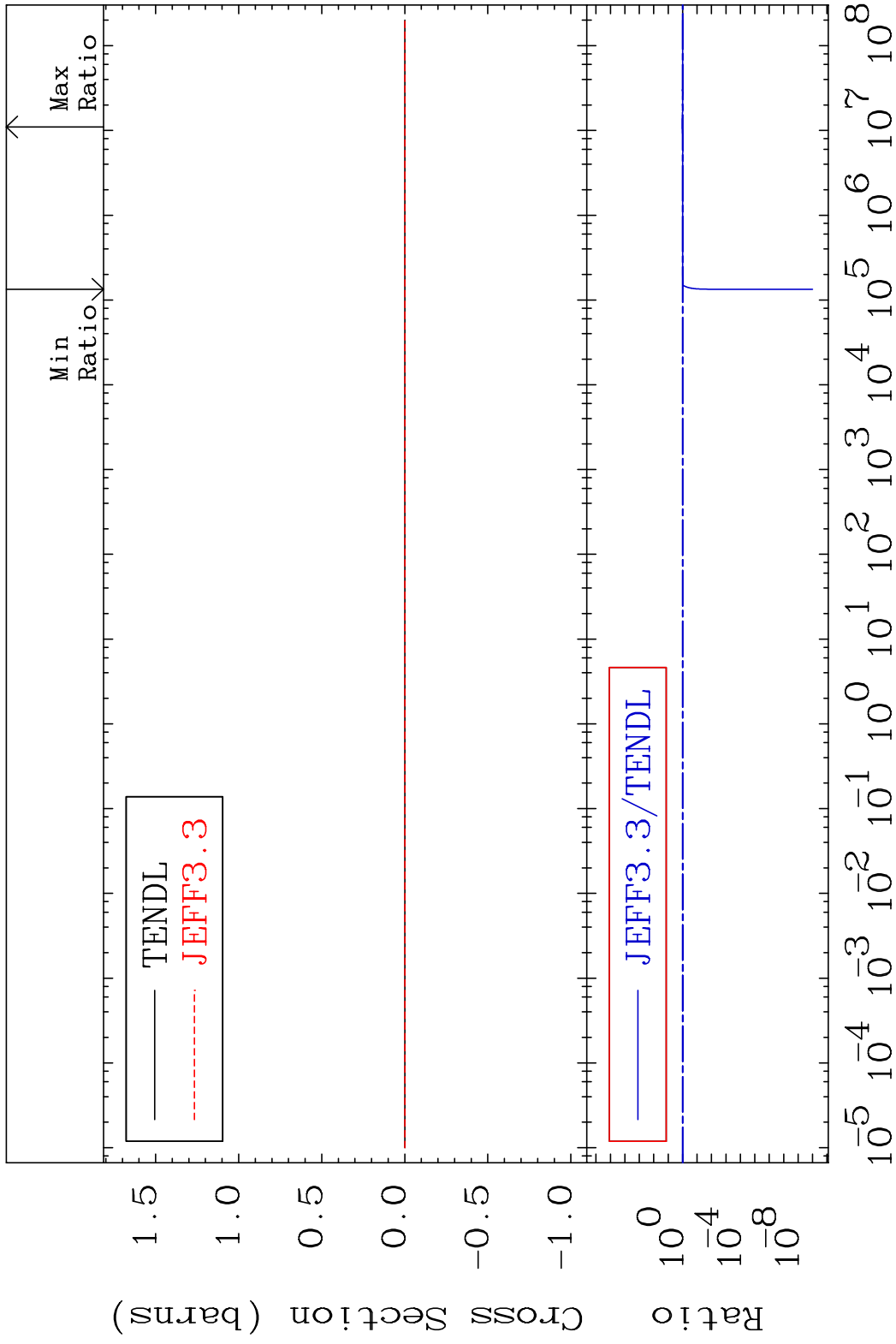


65 Incident Energy (eV) 21-Sc-48

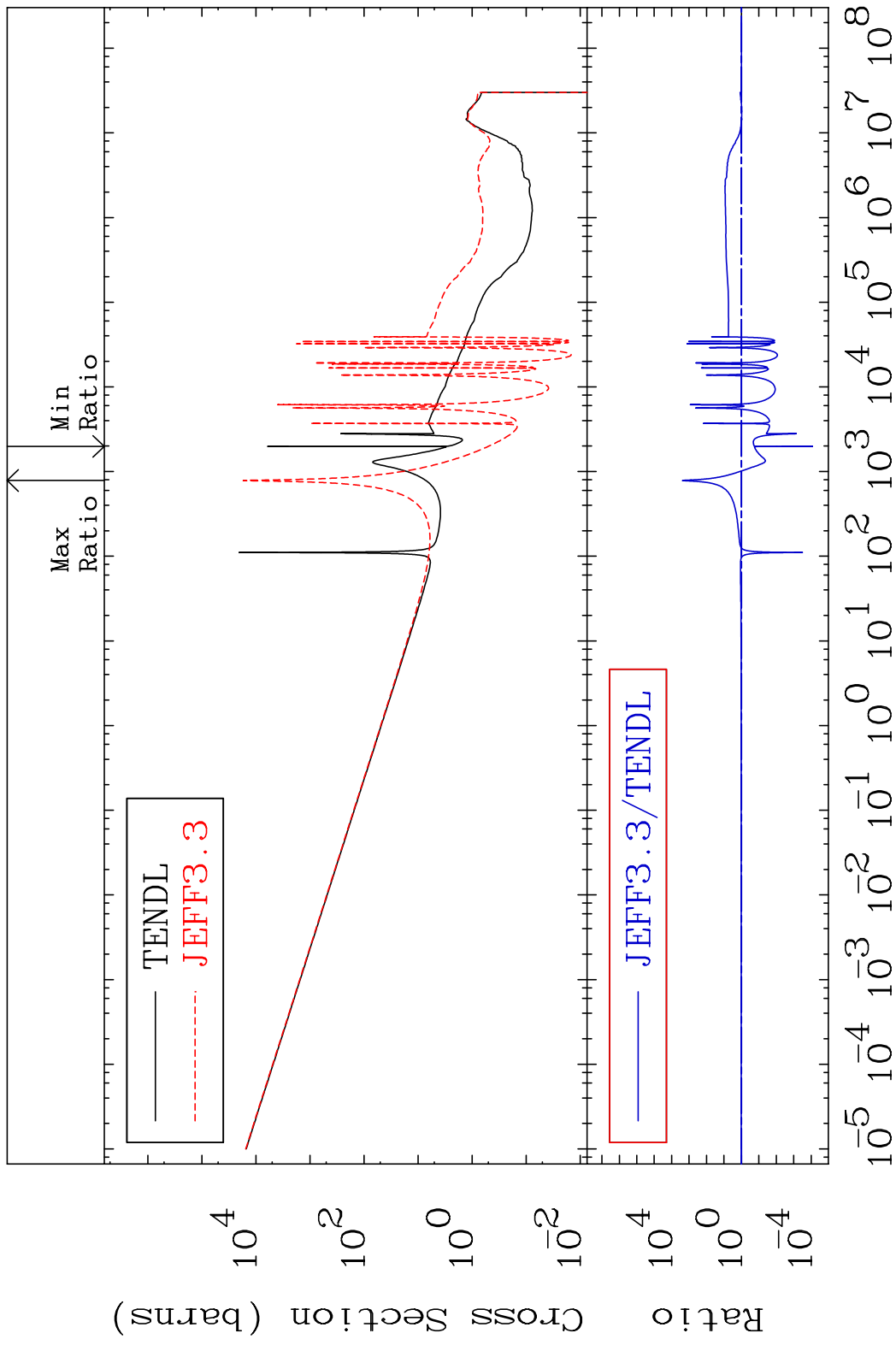
MAT 2134 Kerma inelastic (mt51-91) 21-Sc-48
 Cross Section -100.0 To 7.523 %



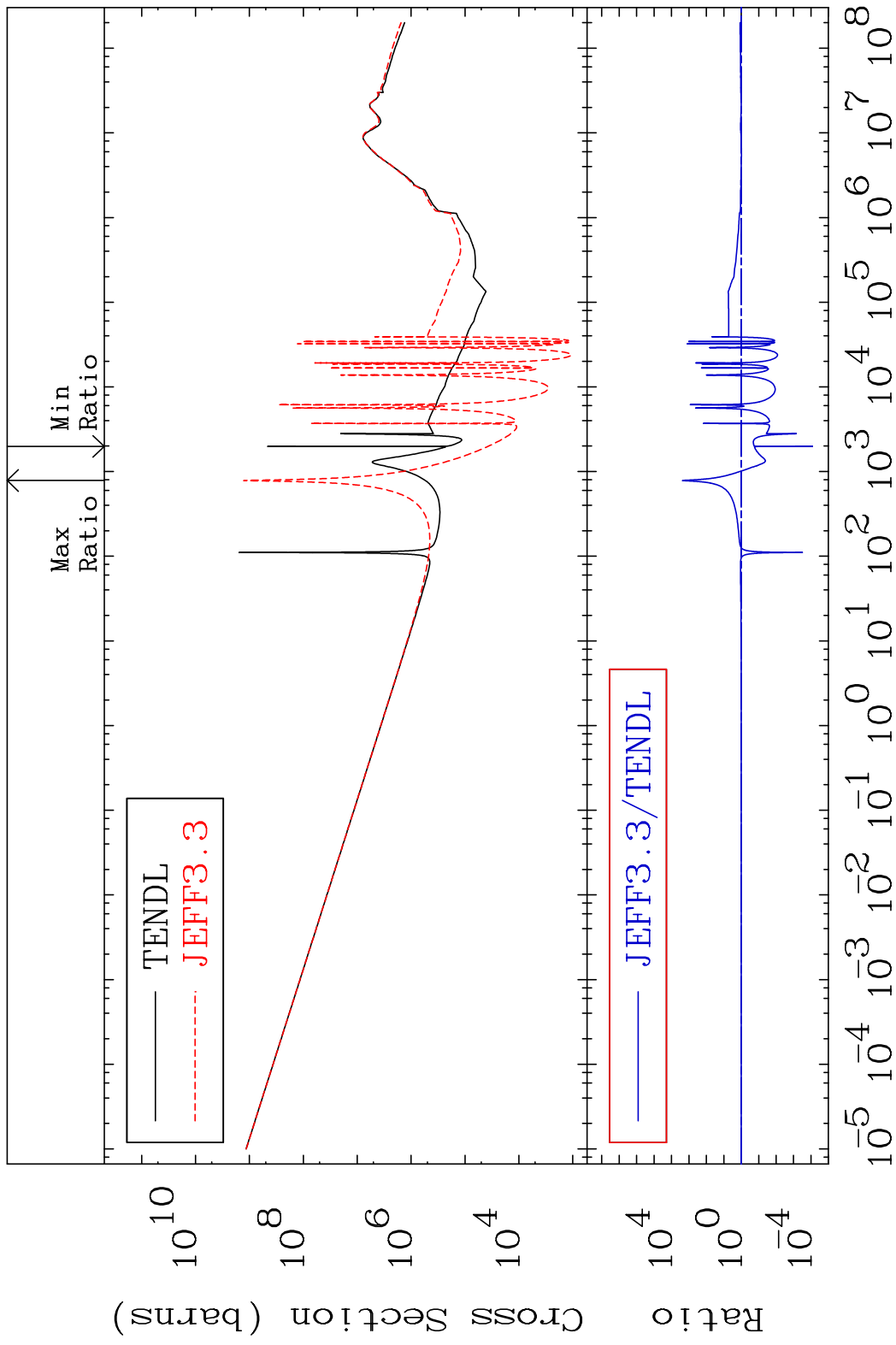
MAT 2134 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-48
 Cross Section -100.0 To 7.523 %



MAT 2134 Kerma capture (mt102) 21-Sc-48
 Cross Section -99.99 To 9999. %

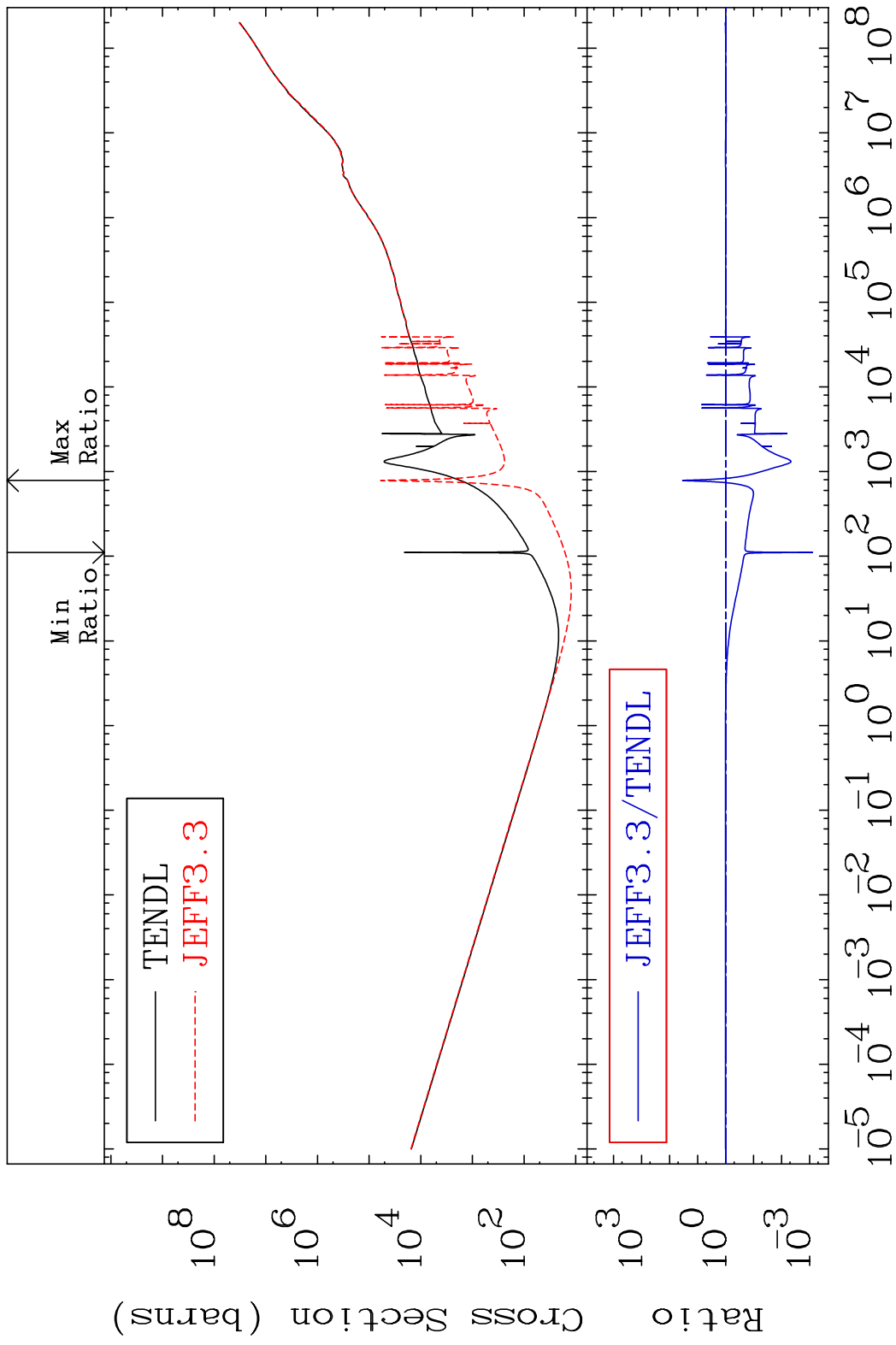


MAT 2134 Total photon (eV-barns) 21-Sc-48
 Cross Section -99.99 To 9999. %

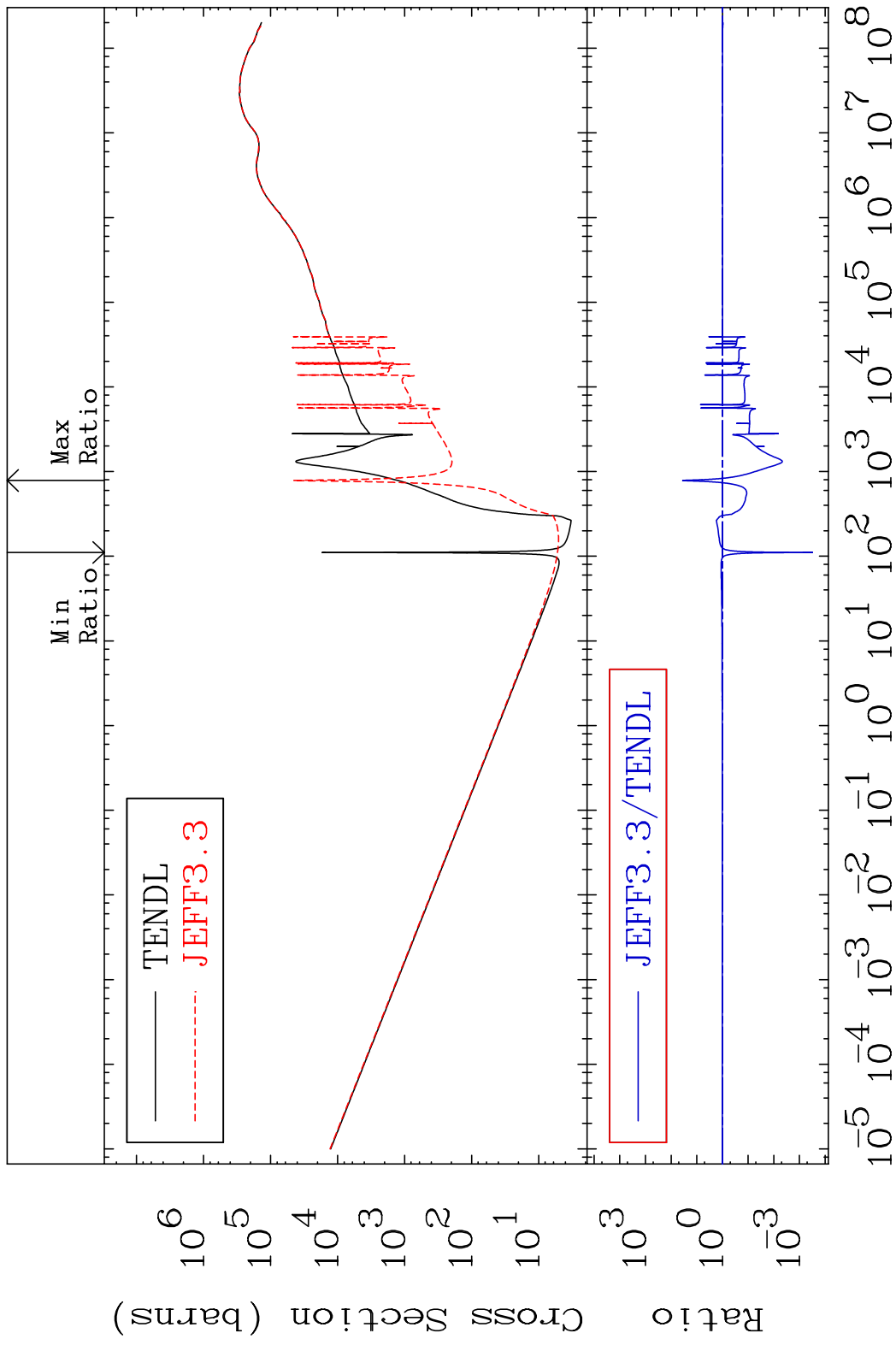


69 Incident Energy (eV) 21-Sc-48

MAT 2134 Total kinematic kerma (high limit) 21-Sc-48
 Cross Section -99.92 To 3407. %

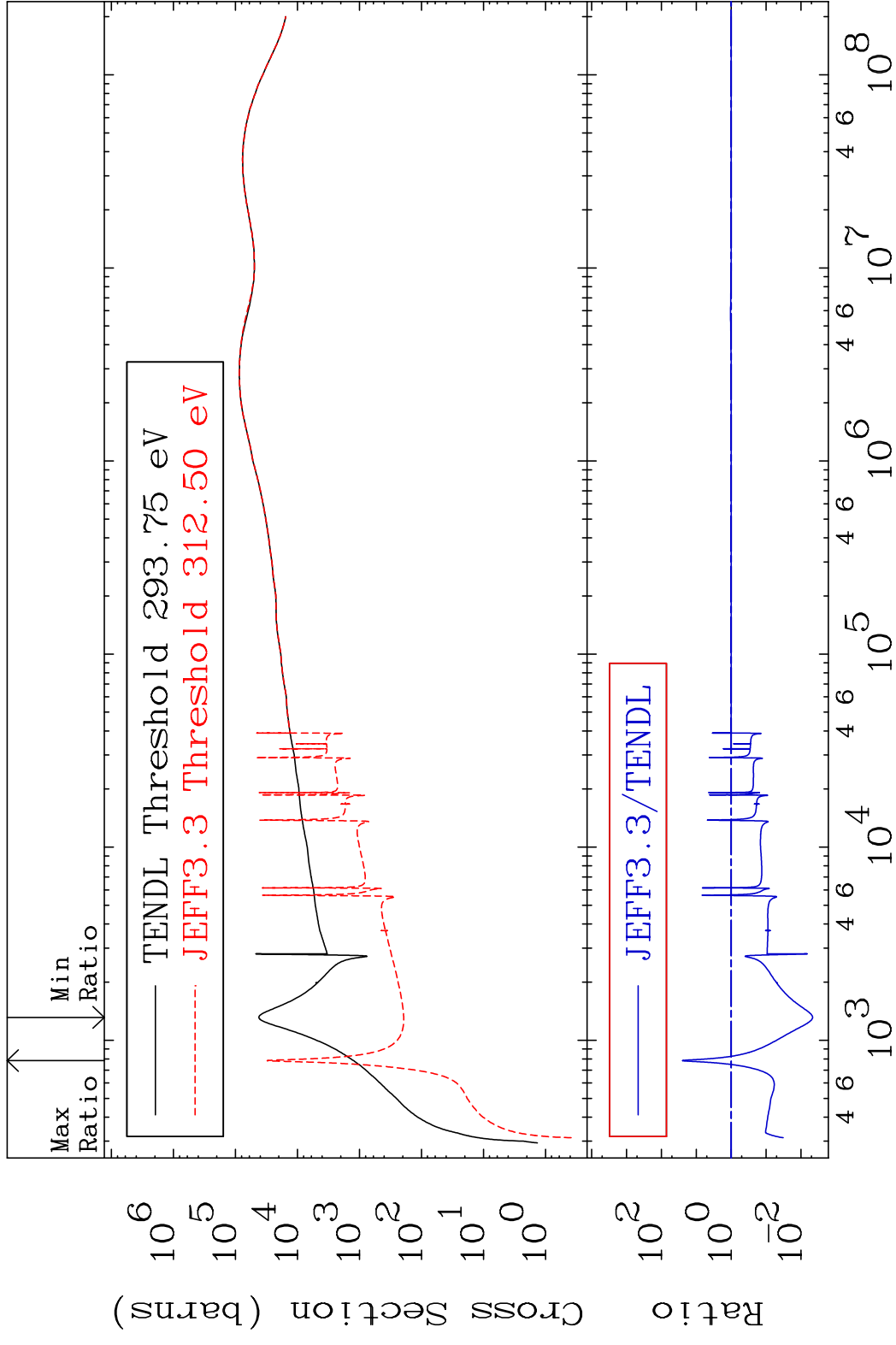


MAT 2134 Dpa total (eV-barns) 21-Sc-48
 Cross Section -99.97 To 3550. %

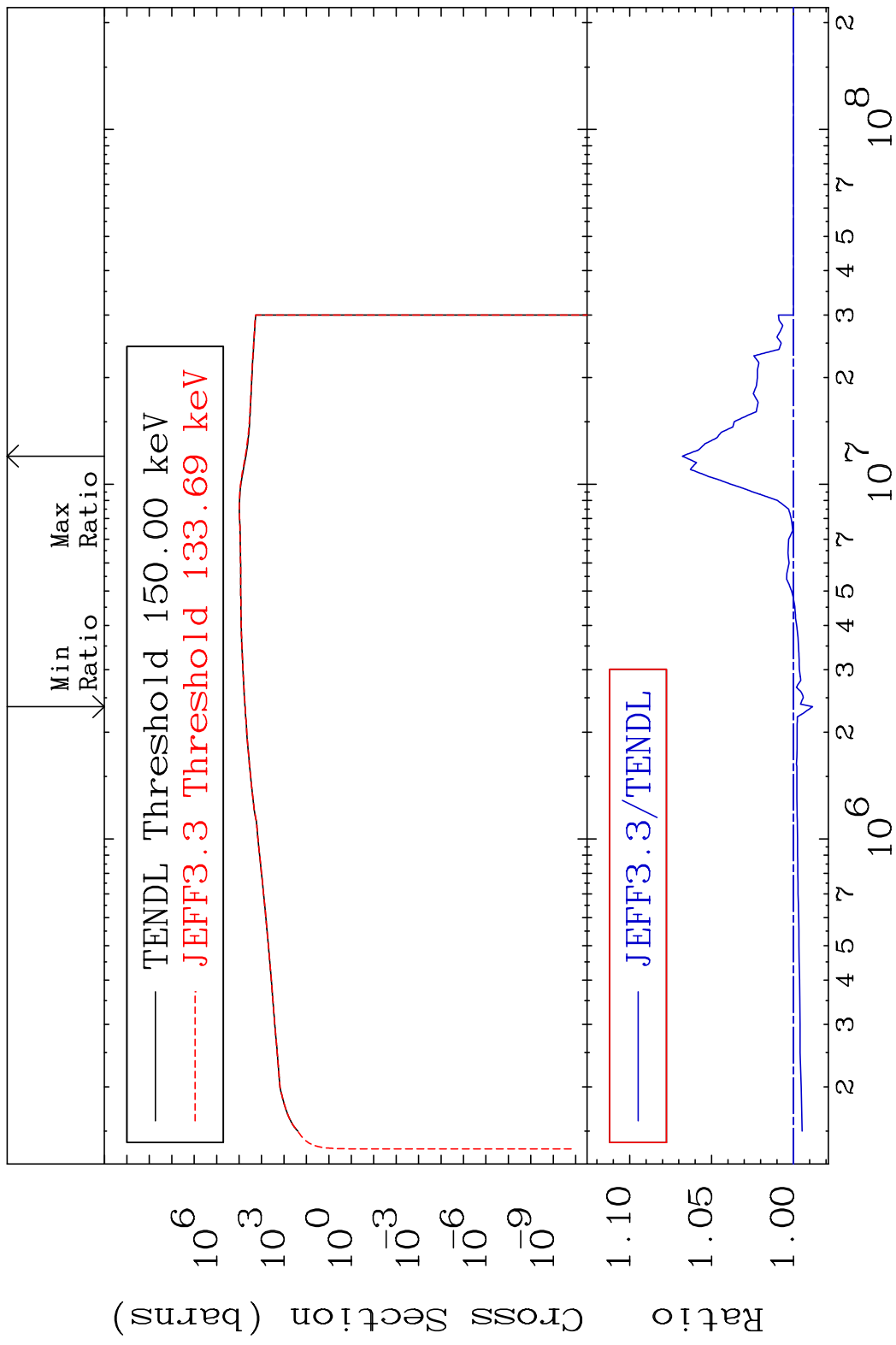


71 Incident Energy (eV) 21-Sc-48

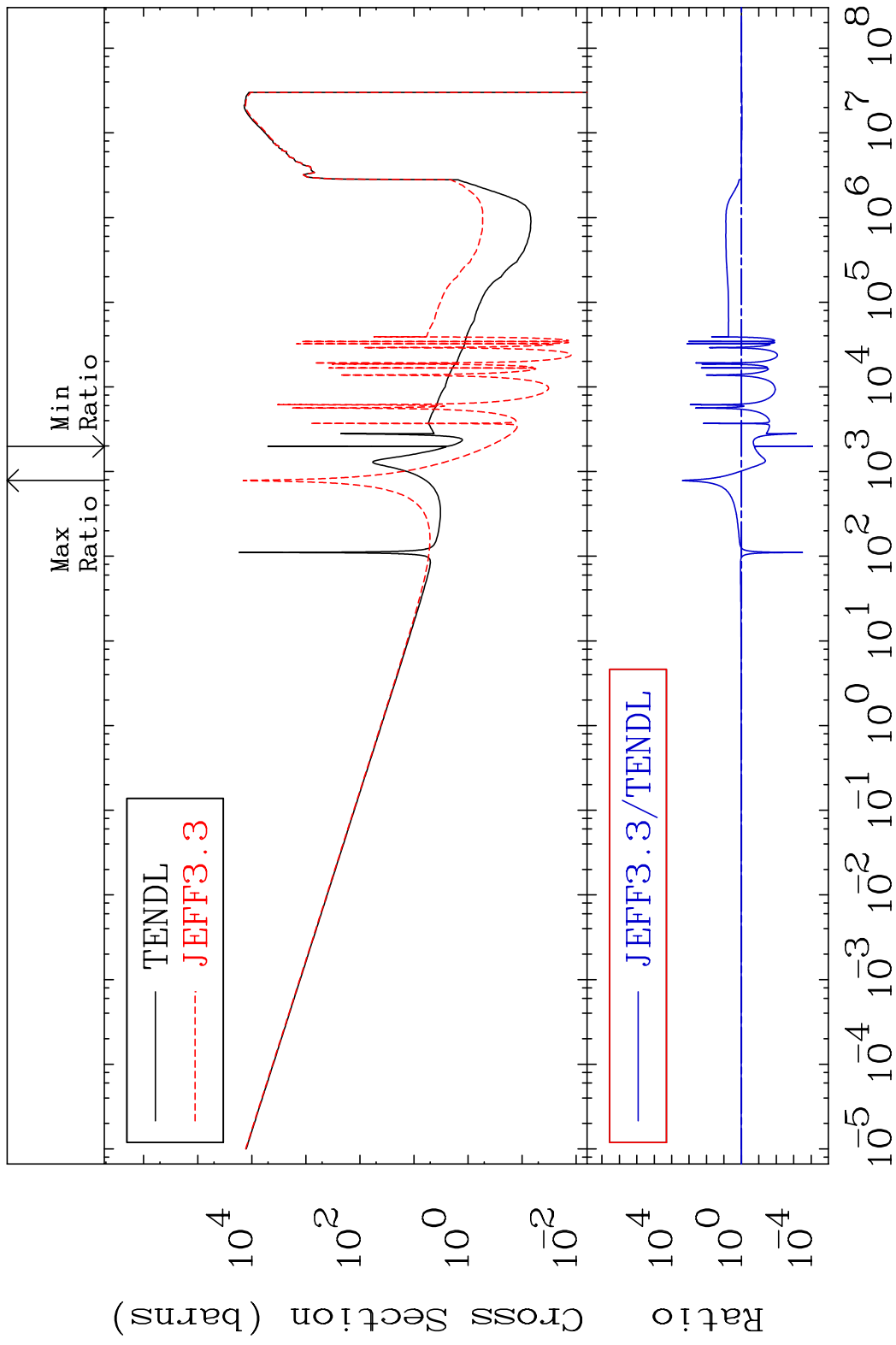
MAT 2134 Dpa elastic (mt2) 21-Sc-48
 Cross Section -99.54 To 2399. %



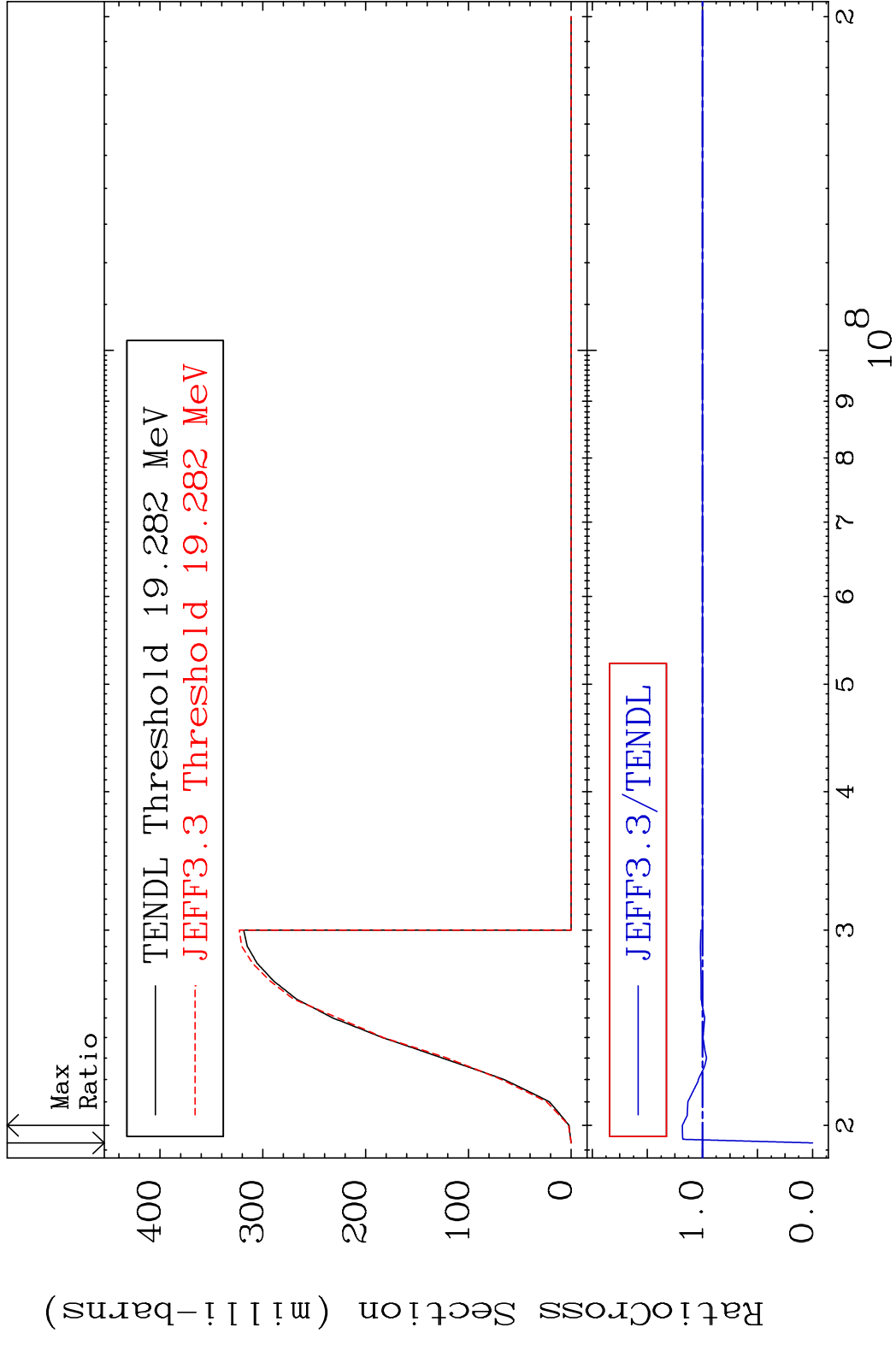
MAT 2134 Dpa inelastic (mt51-91) 21-Sc-48
 Cross Section -1.172 To 6.783 %



MAT 2134 Dpa disappearance (mt102 -120) 21-Sc-48
 Cross Section -99.99 To 9999. %

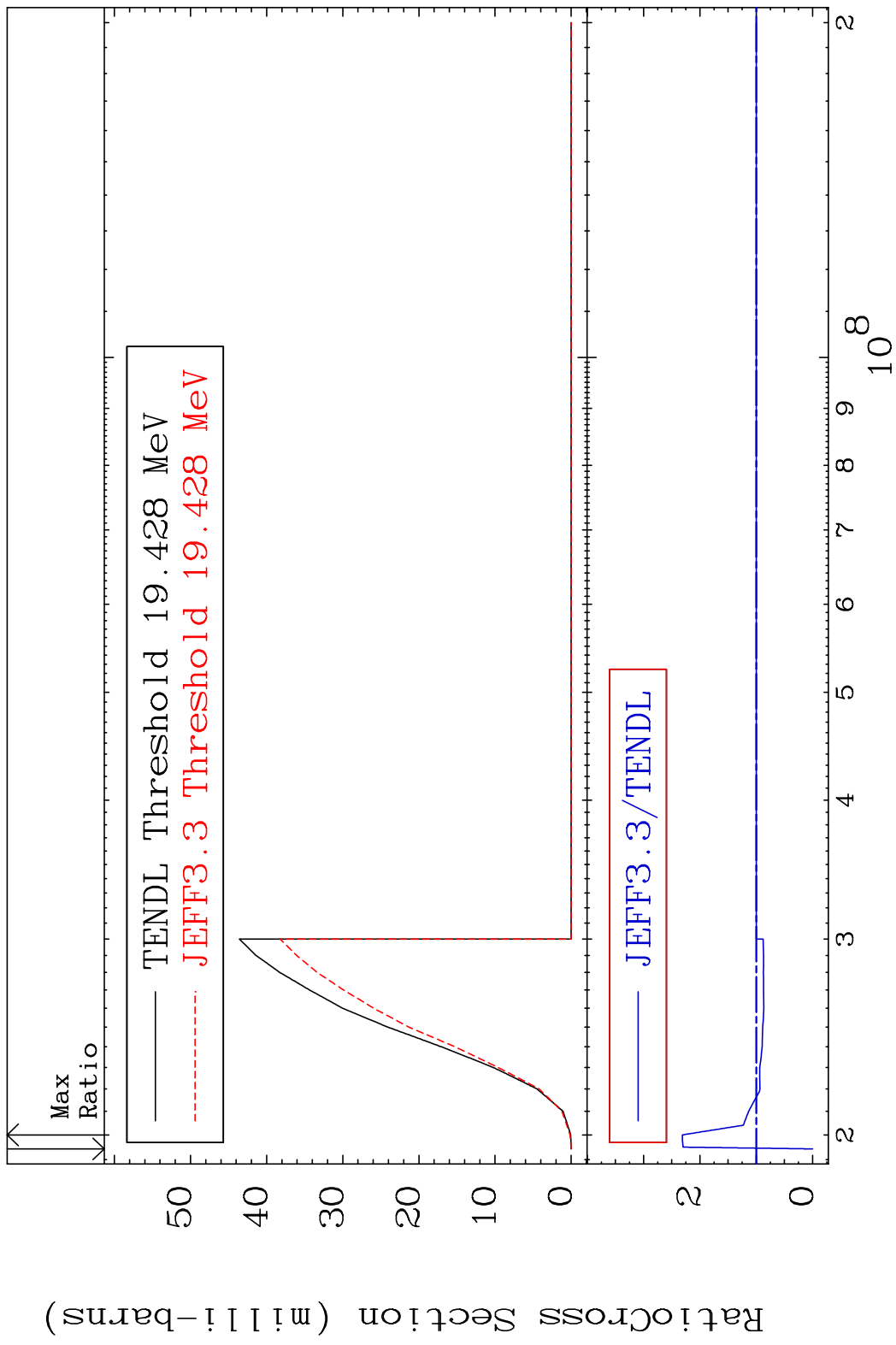


MAT 2134 (n,3n):21-Sc-46g 21-Sc-48
 Radionuclide Production Cross Section 18.20 %

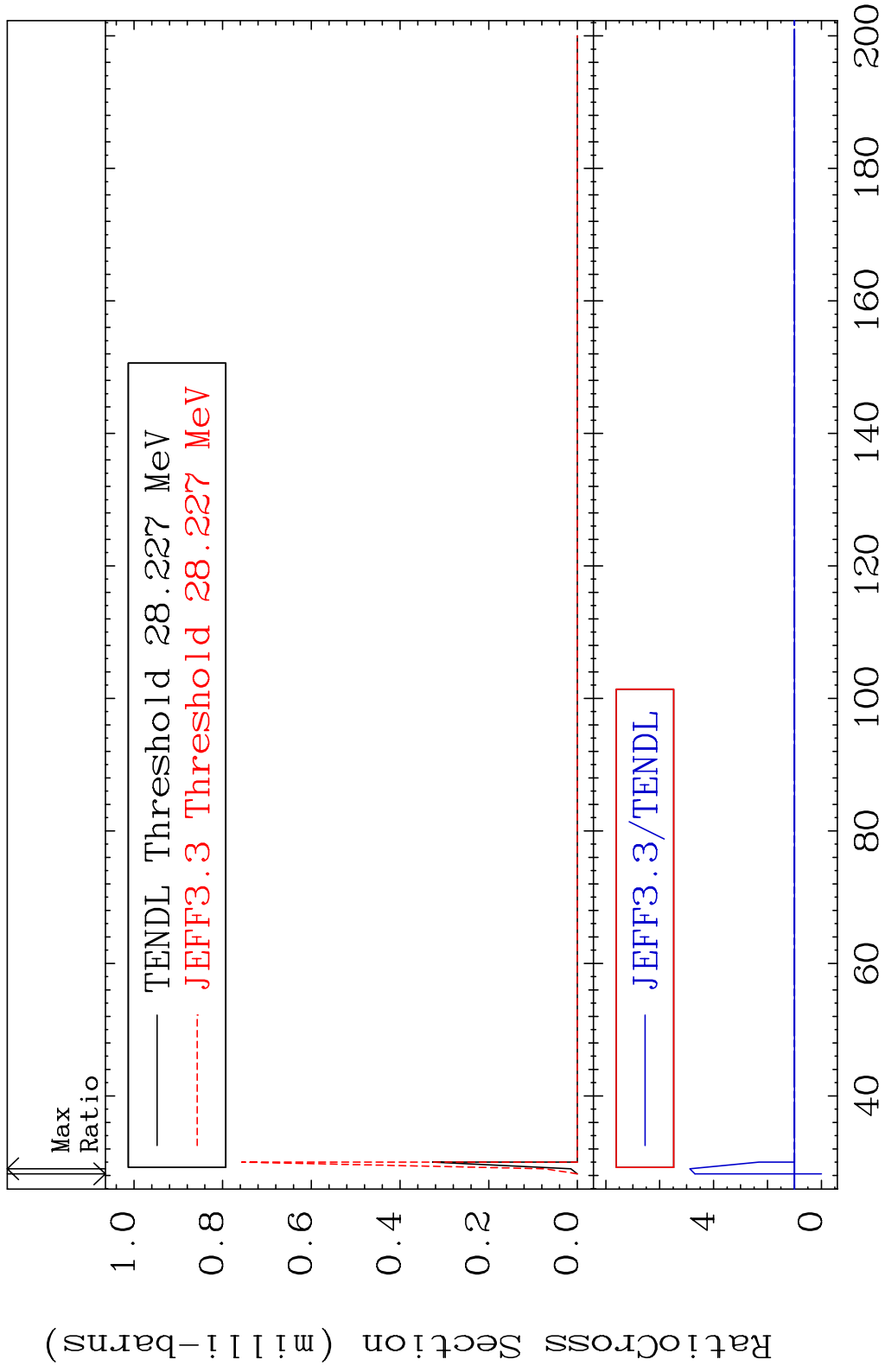


75 21-Sc-48

MAT 2134 (n,3n):21-Sc-46m2 21-Sc-48
 Radionuclide Production Cross Section Ratio 130.01 dtho 131.2 %



MAT 2134 (n,4n):21-Sc-45g 21-Sc-48
 Radionuclide Production Cross Section 180.01 dth 388.5 %



MAT 2134 (n,4n):21-Sc-45m1 21-Sc-48
 Radionuclide Production Cross Section 180.01 dth 355.1 %

