

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

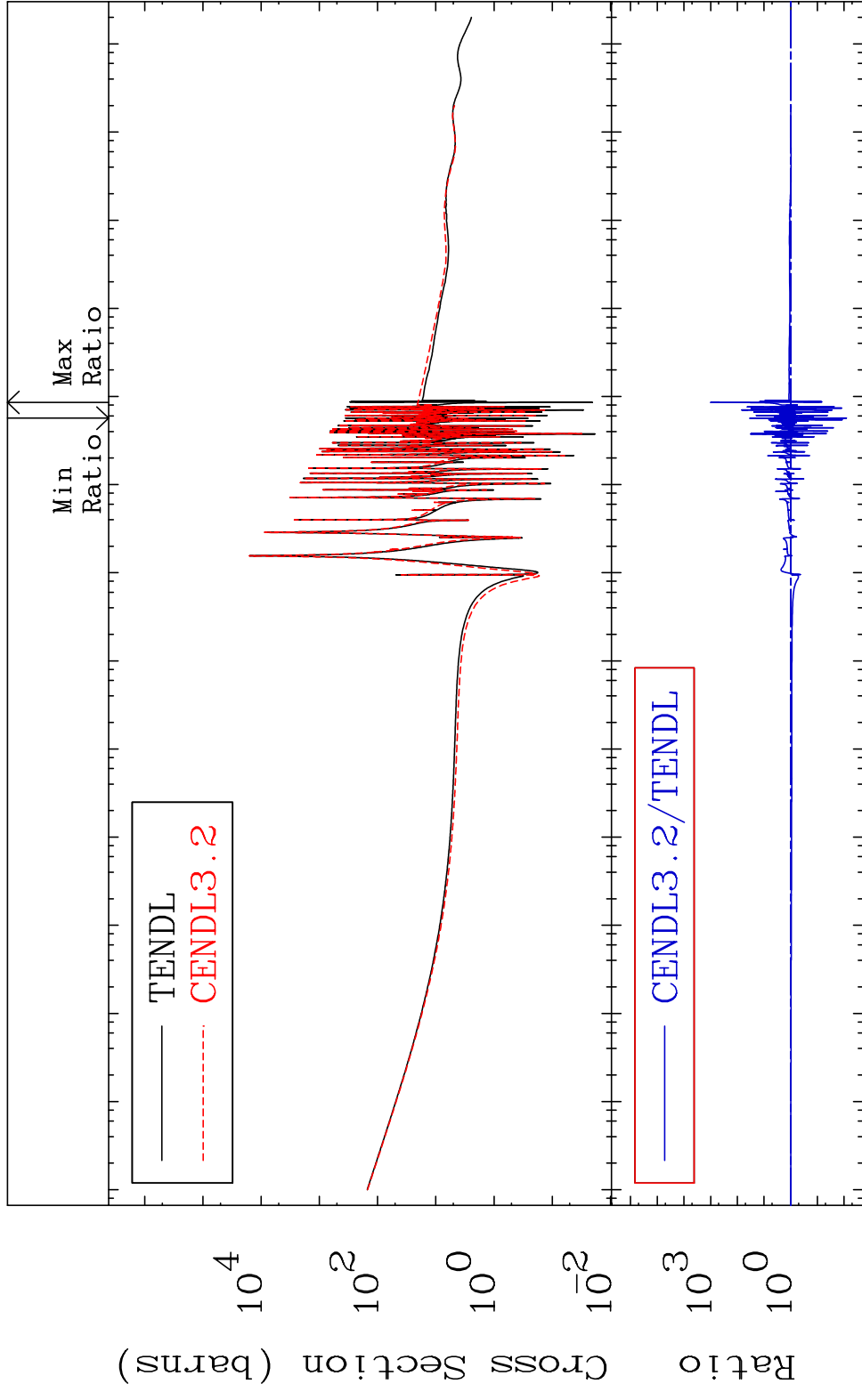
MAT 6043

Total

60-Nd-148

Cross Section

-99.18 To 9999. %



1

Incident Energy (eV)

60-Nd-148

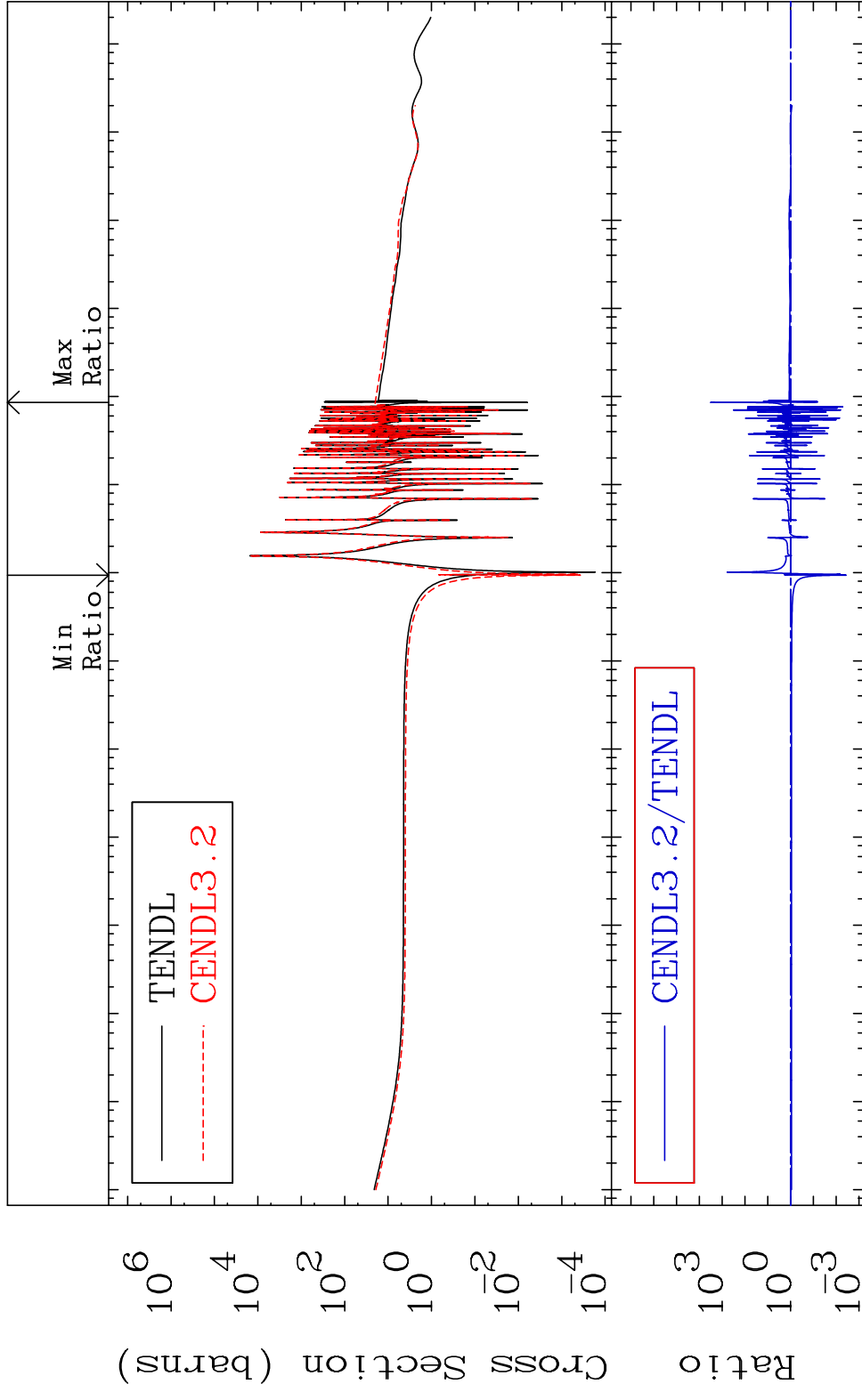
MAT 6043

Elastic

60-Nd-148

Cross Section

-99.64 To 9999. %



10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^3
 10^0
 10^{-3}

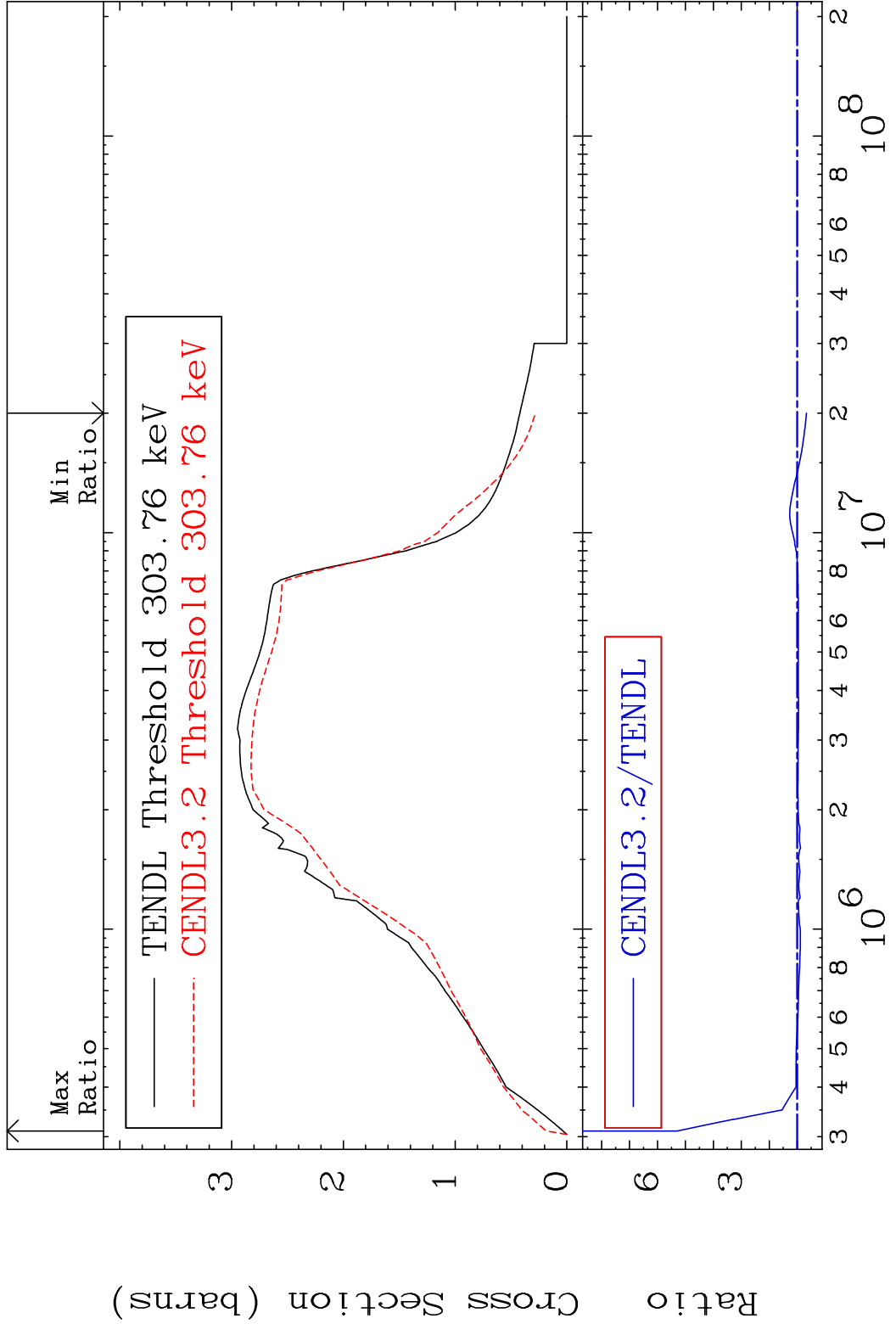
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

2

Incident Energy (eV)

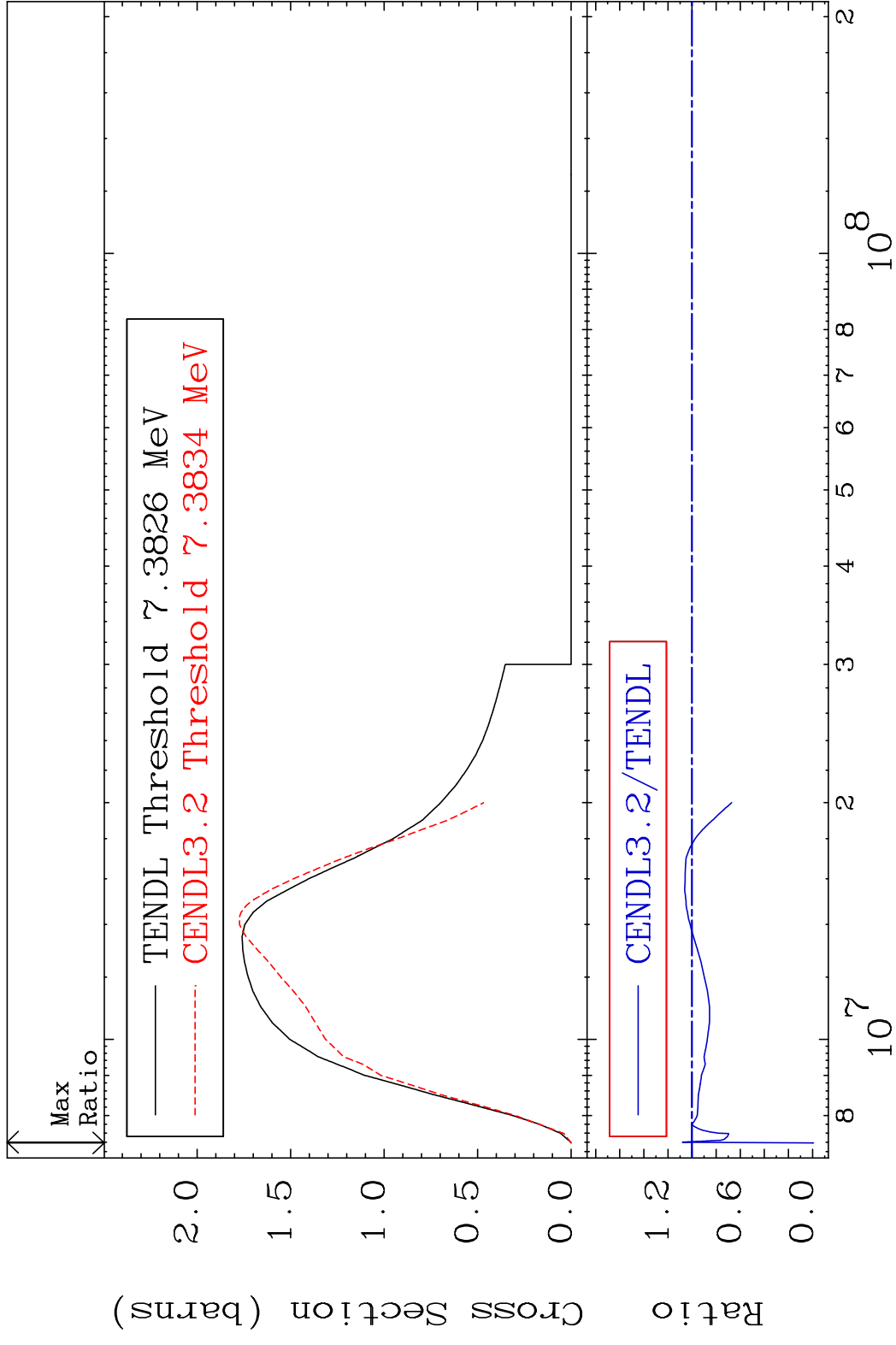
60-Nd-148

MAT 6043 Inelastic 60-Nd-148
 Cross Section -33.02 To 429.5 %



3 Incident Energy (eV) 60-Nd-148

MAT 6043 (n,2n) 60-Nd-148
 Cross Section -100.0 To 8.045 %



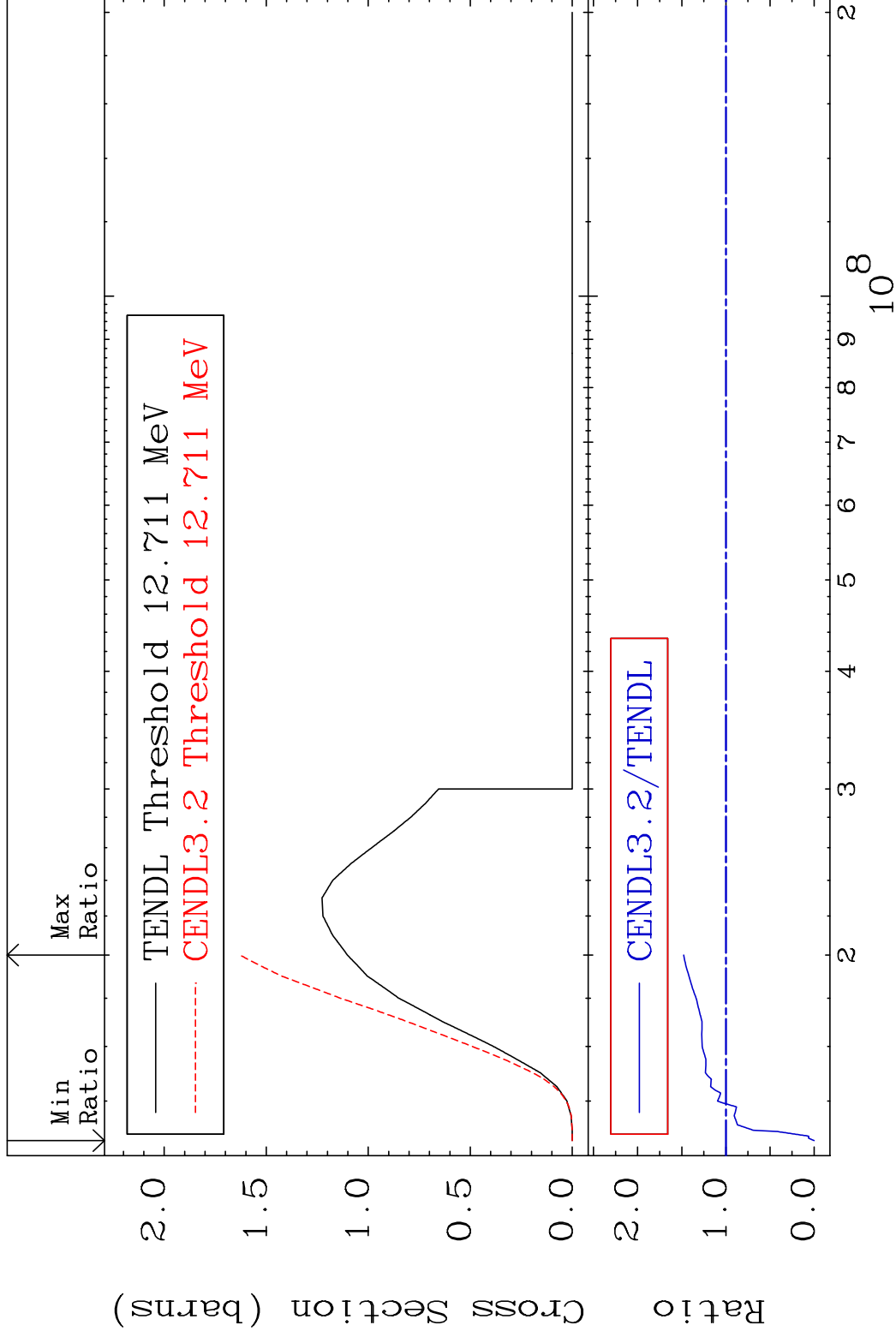
4 Incident Energy (eV) 60-Nd-148

MAT 6043

(n,3n)

60-Nd-148

Cross Section -100.0 To 47.85 %



5

Incident Energy (eV)

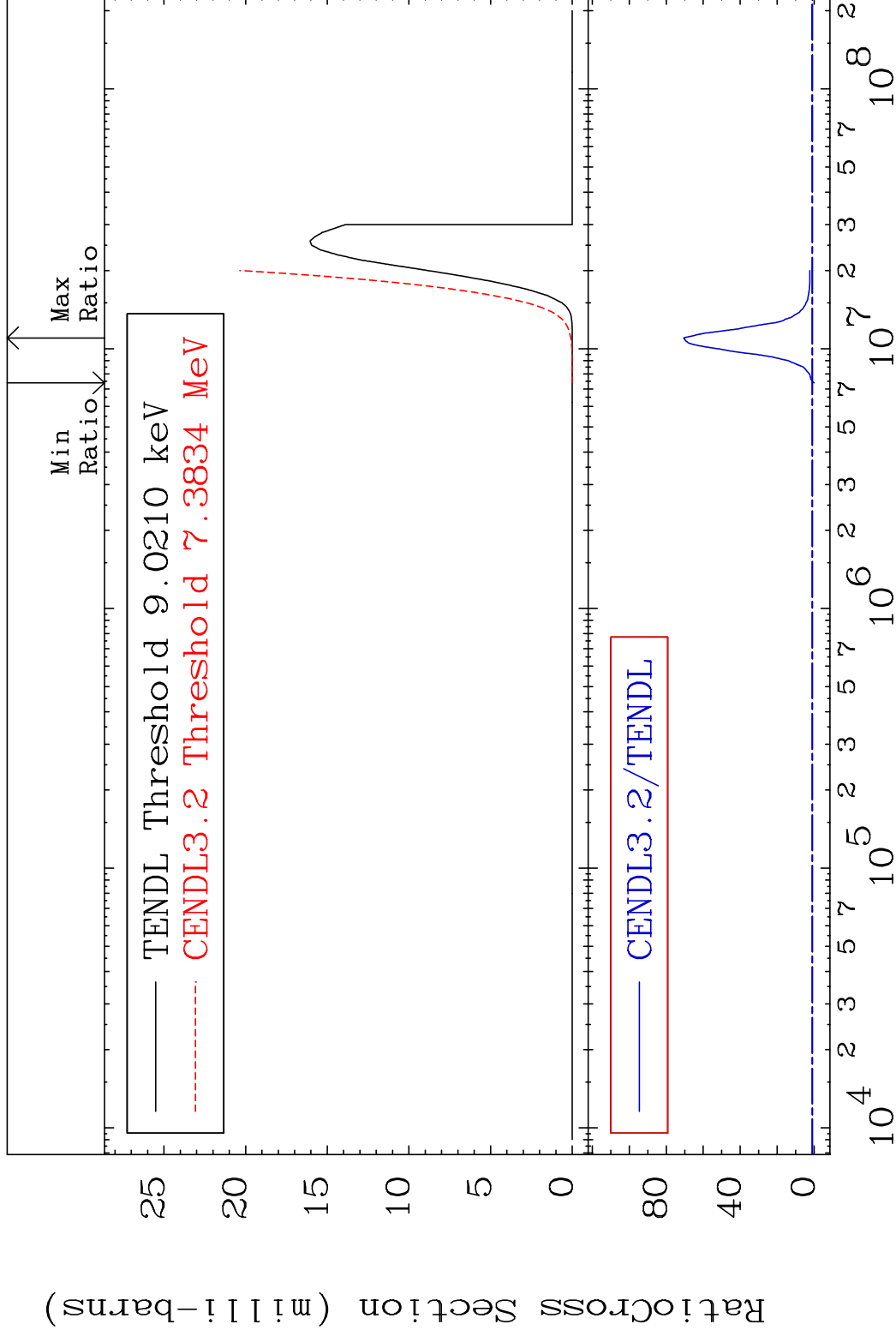
60-Nd-148

MAT 6043

(n, n') α

60-Nd-148

Cross Section -100.0 To 6958. %

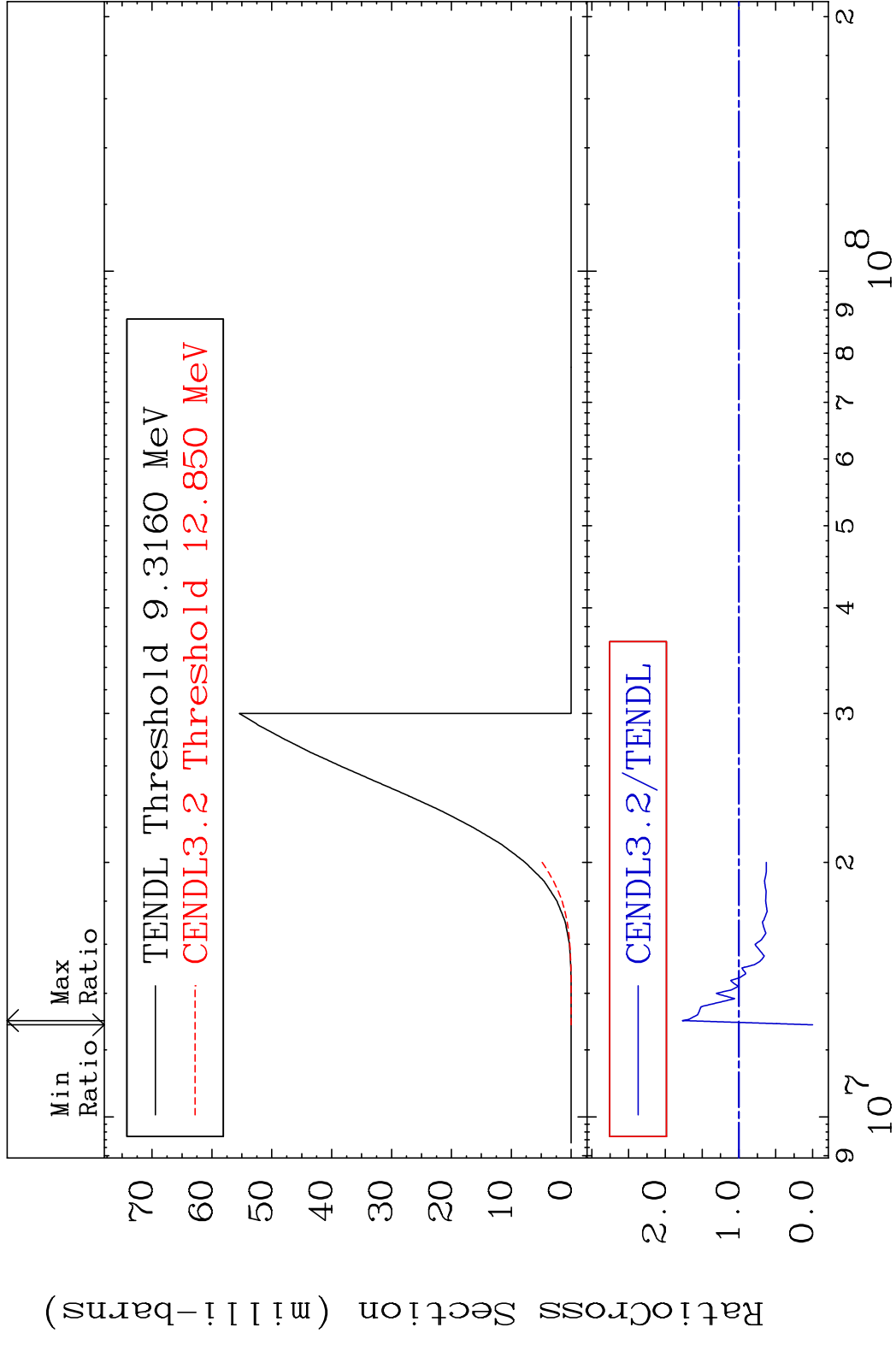


MAT 6043

(n, n') p

60-Nd-148

Cross Section -100.0 To 76.92 %

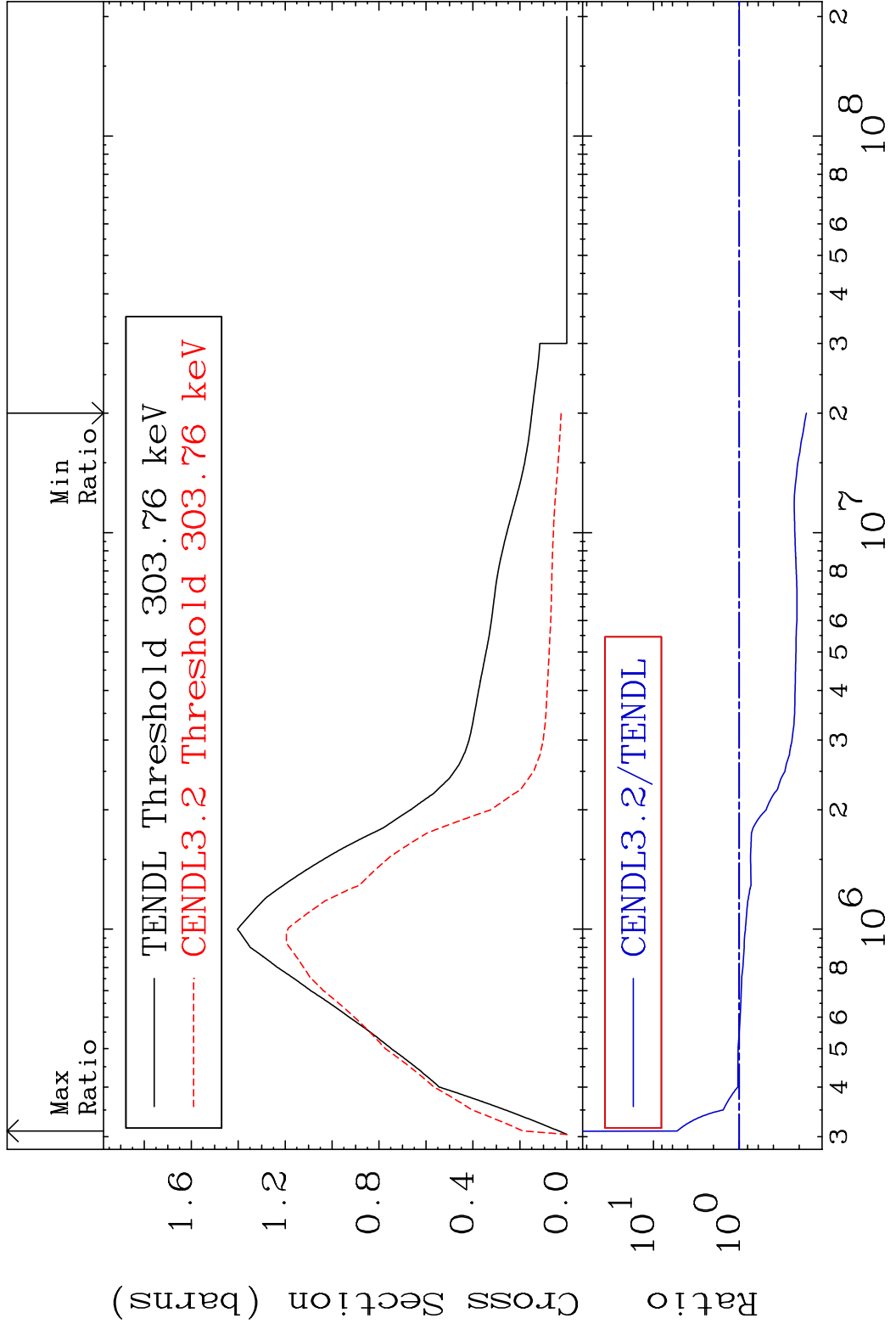


7

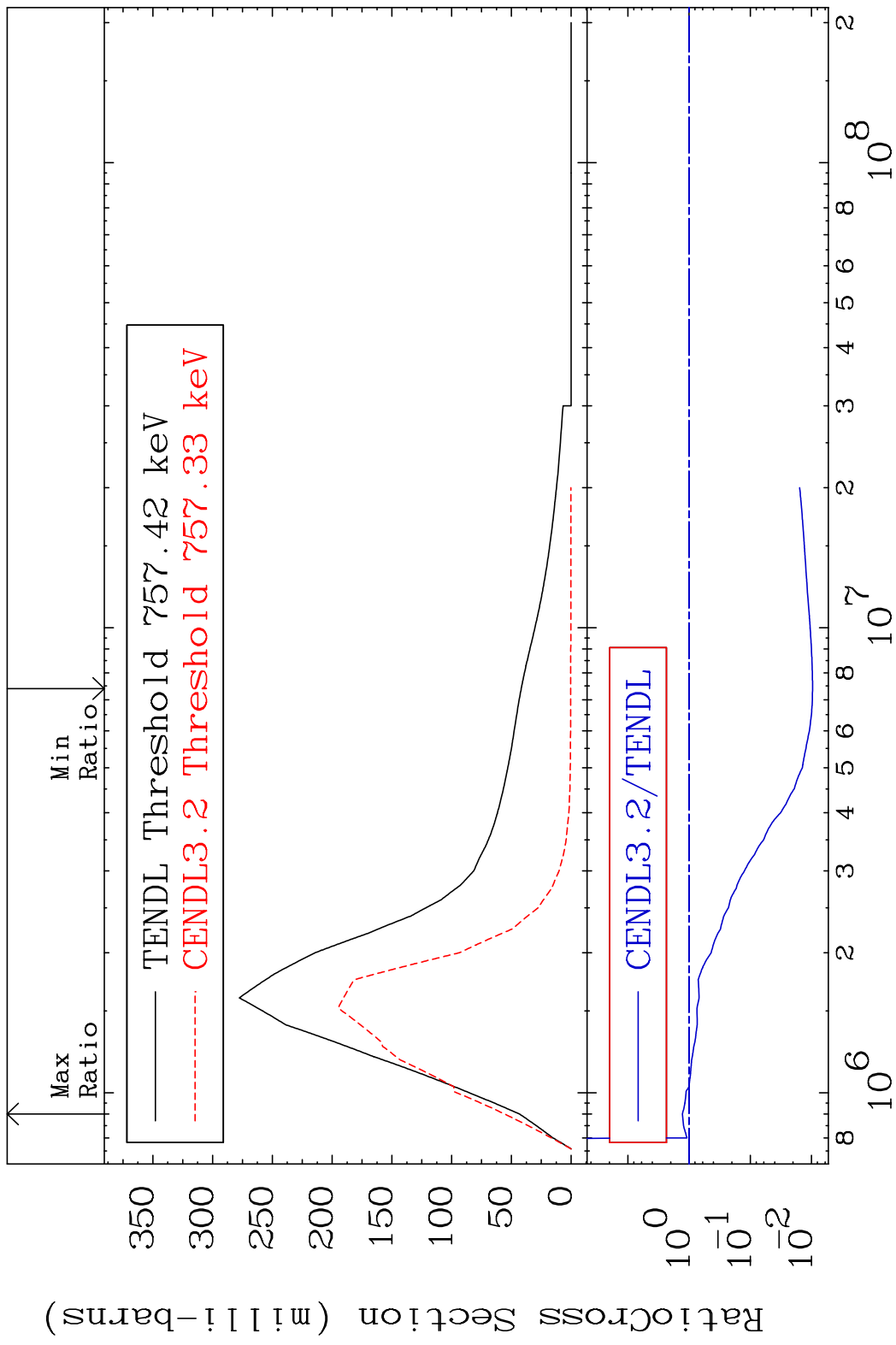
Incident Energy (eV)

60-Nd-148

MAT 6043 MT= 51 (n, n') Level 60-Nd-148
 Cross Section -83.49 To 429.5 %

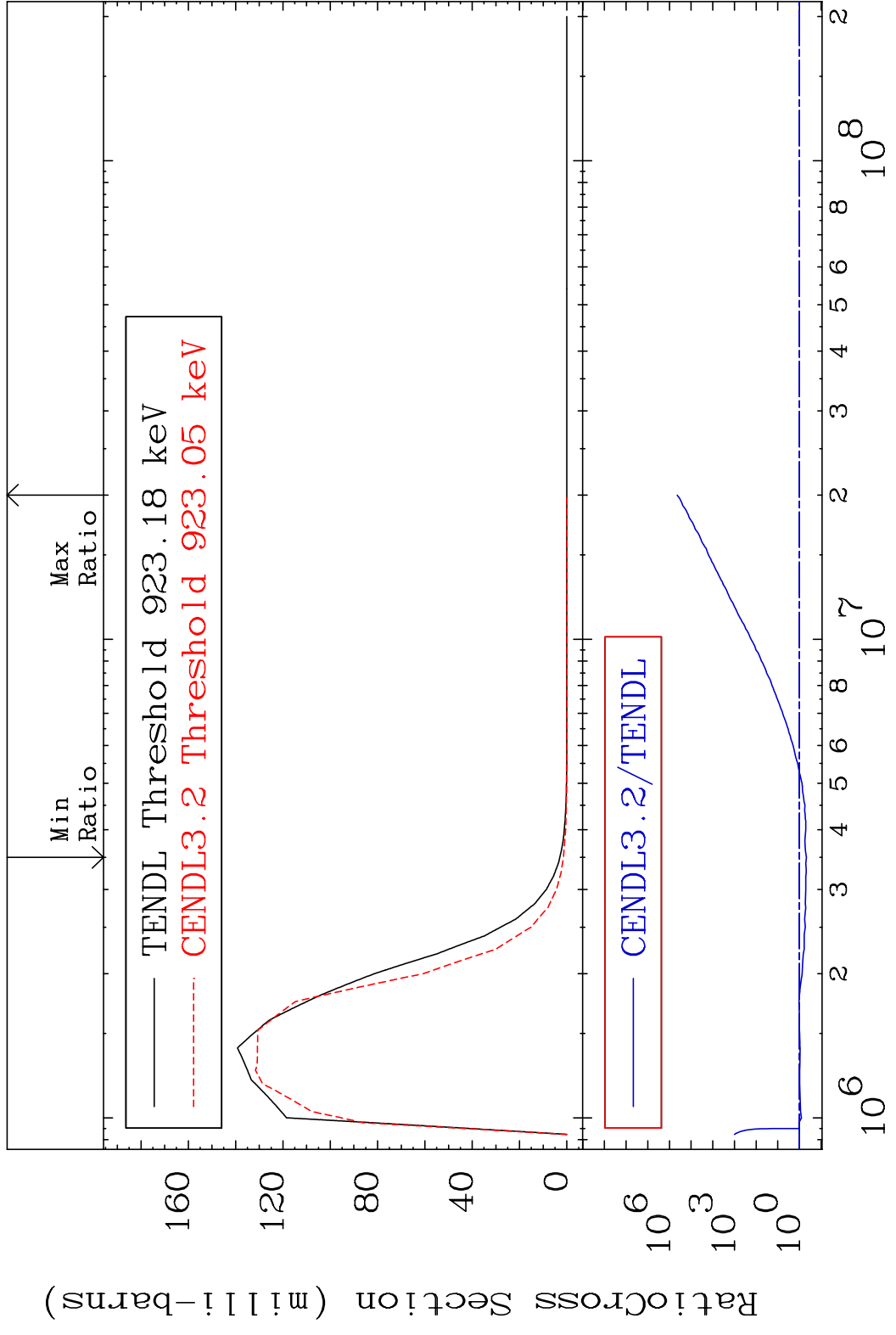


MAT 6043 MT= 52 (n, n') Level 60-Nd-148
 Cross Section -99.04 To 28.92 %



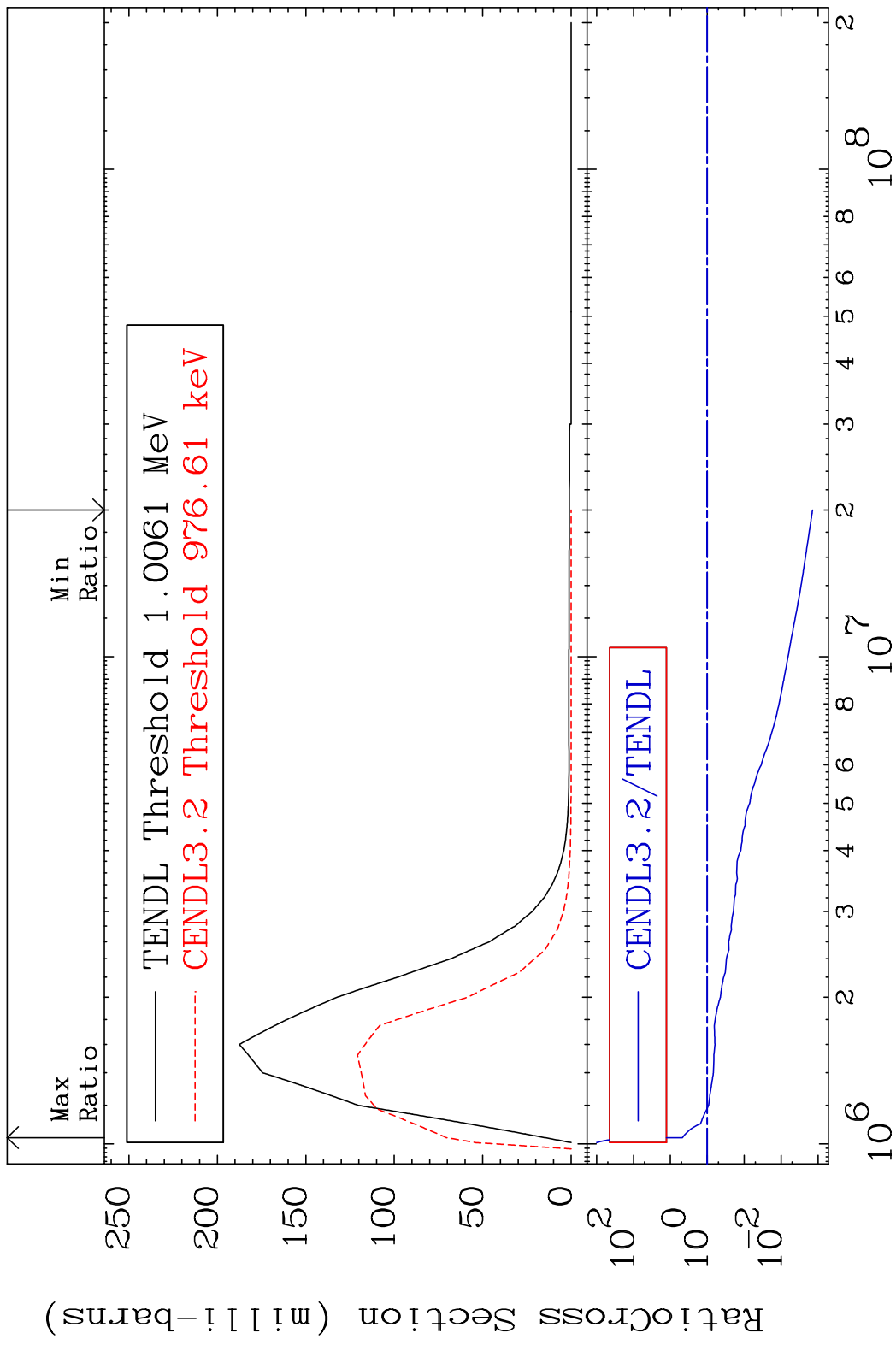
9 Incident Energy (eV) 60-Nd-148

MAT 6043 MT= 53 (n, n') Level 60-Nd-148
 Cross Section -52.30 To 9999. %



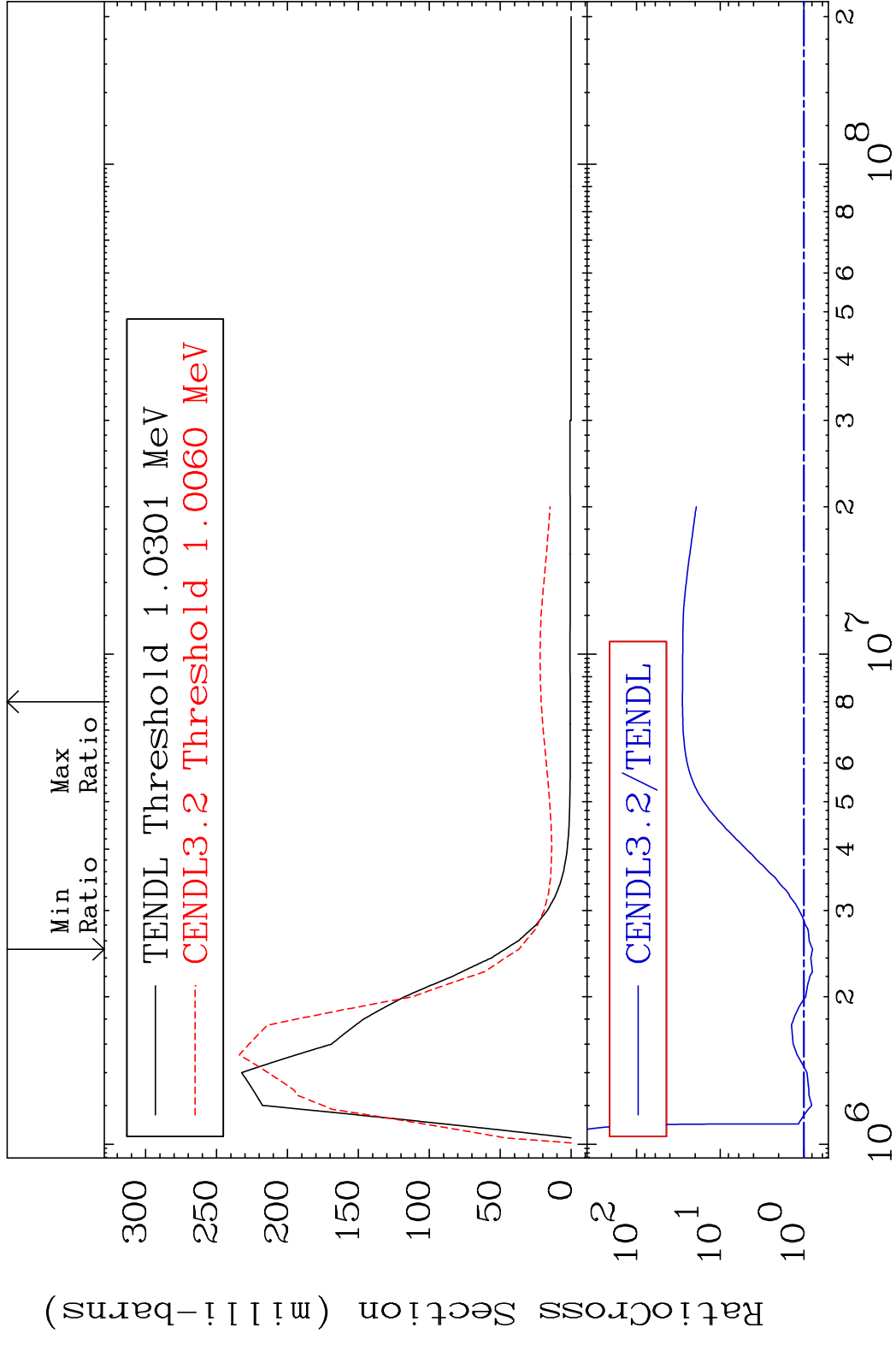
10 10⁶ 10⁷ 10⁸ 2 60-Nd-148

MAT 6043 MT= 54 (n, n') Level 60-Nd-148
 Cross Section -99.86 To 373.9 %



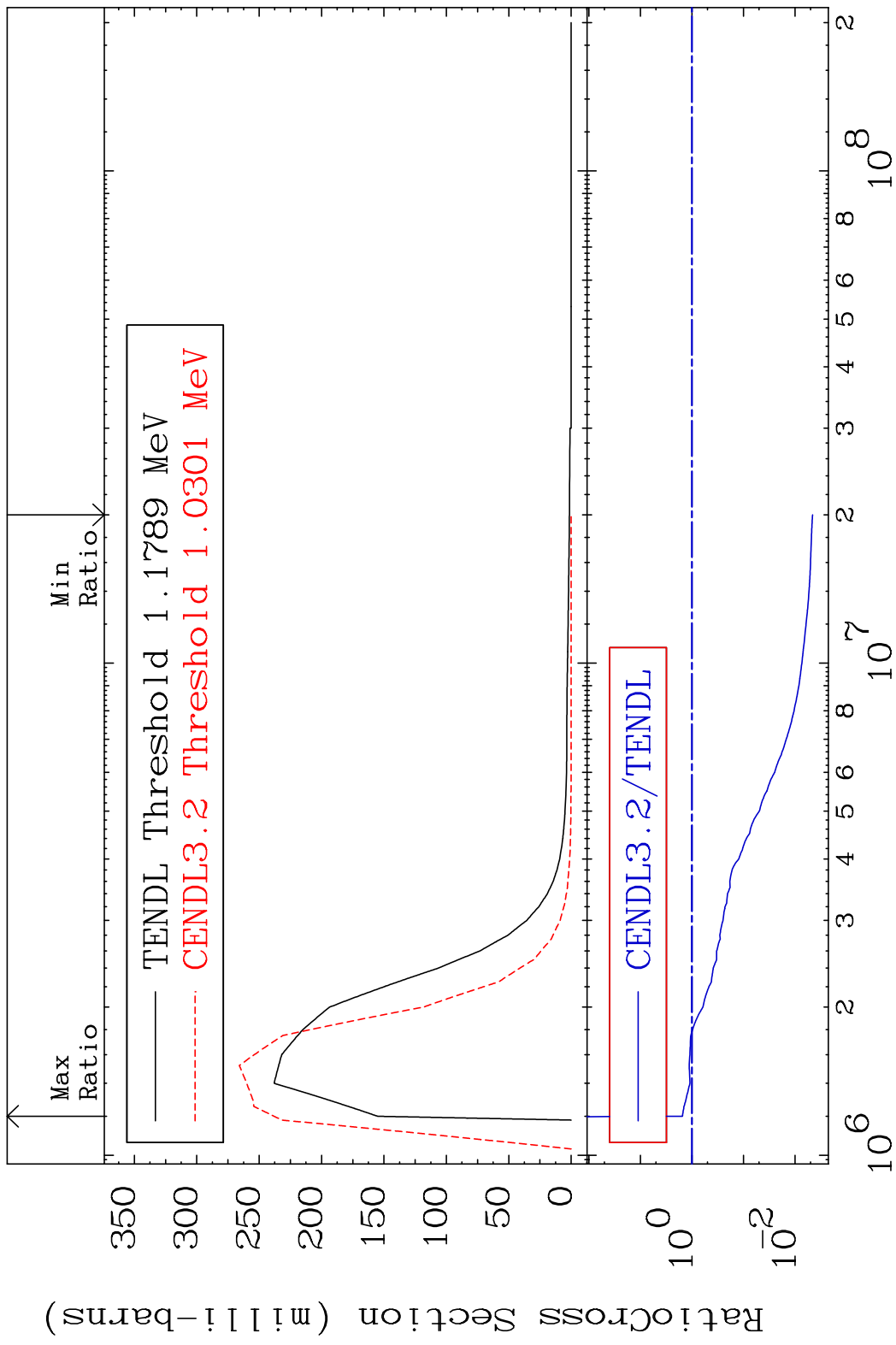
11 Incident Energy (eV) 60-Nd-148

MAT 6043 MT= 55 (n,n') Level 60-Nd-148
 Cross Section -21.19 To 2740. %



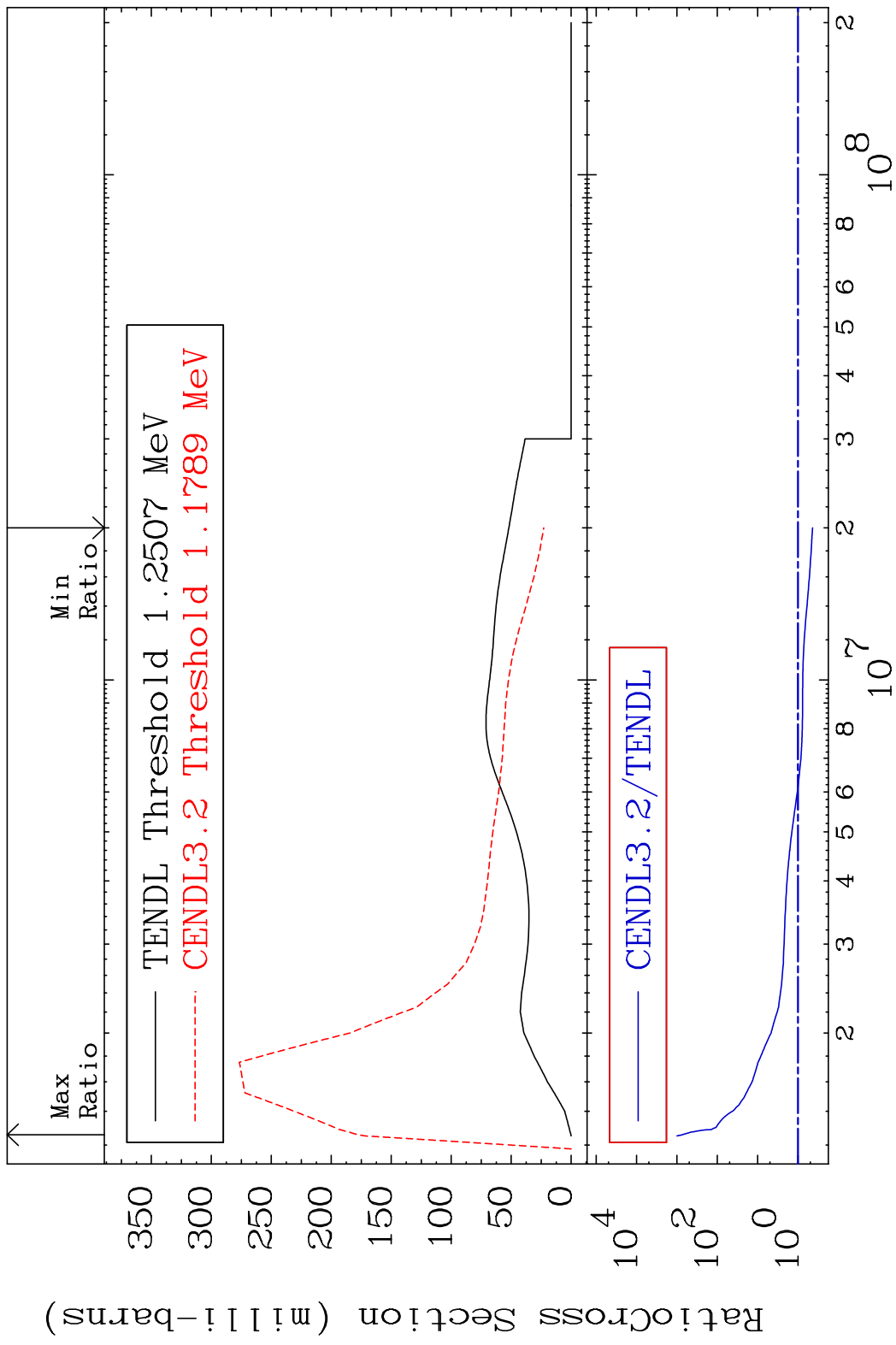
12 Incident Energy (eV) 60-Nd-148

MAT 6043 MT= 56 (n, n') Level 60-Nd-148
 Cross Section -99.54 To 53.53 %

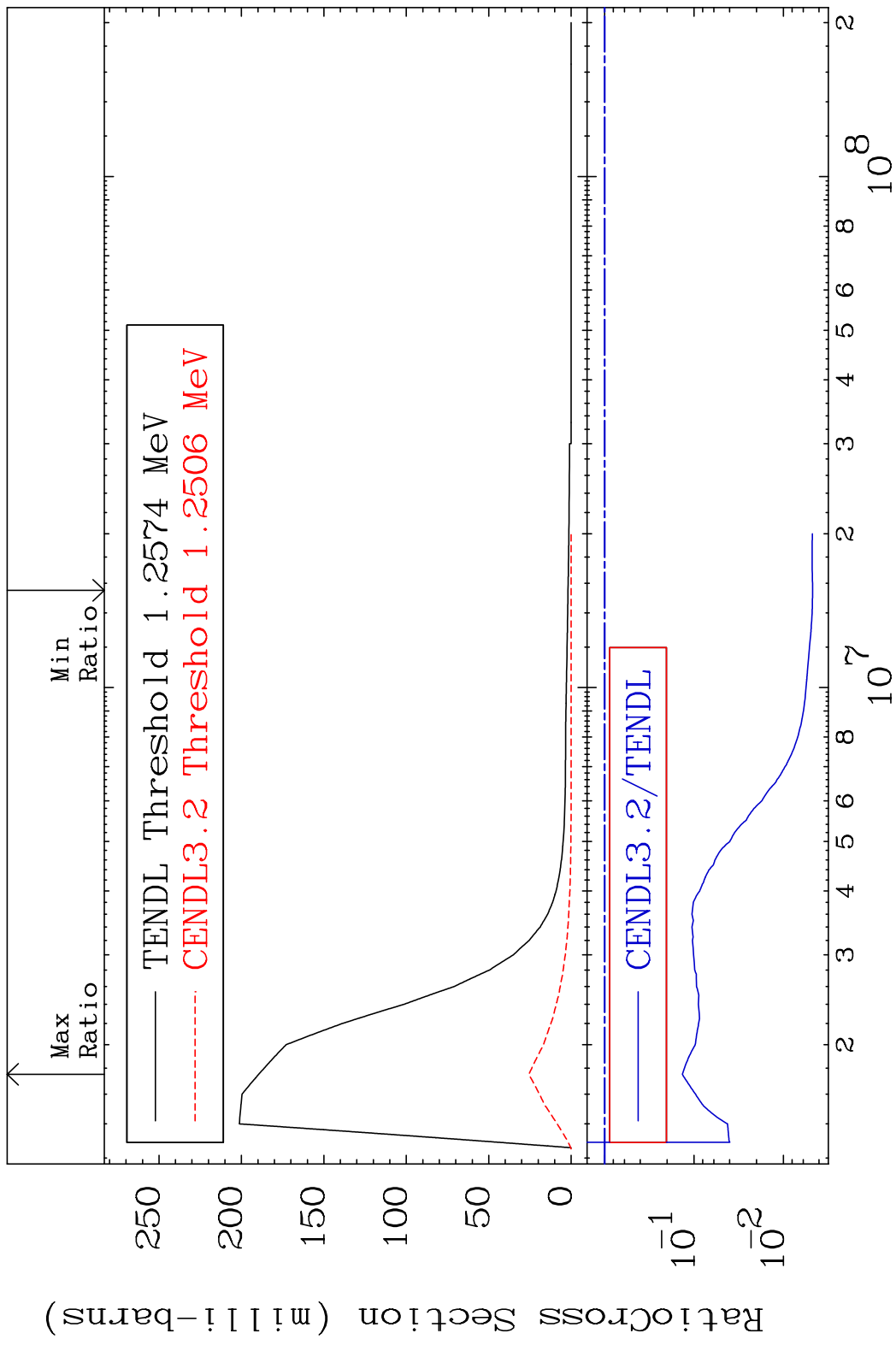


13 Incident Energy (eV) 60-Nd-148

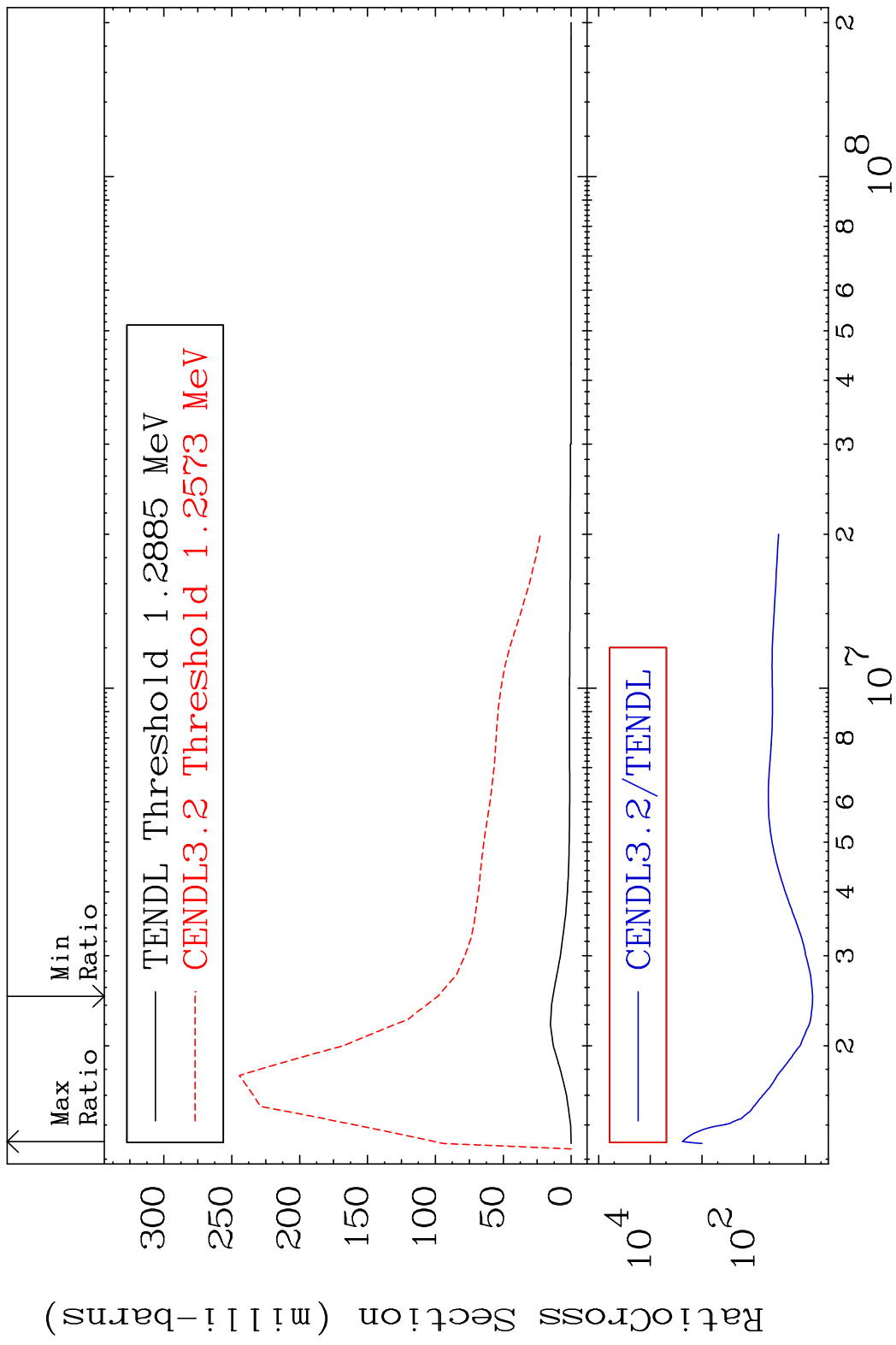
MAT 6043 MT= 57 (n,n') Level 60-Nd-148
 Cross Section -56.10 To 9999. %



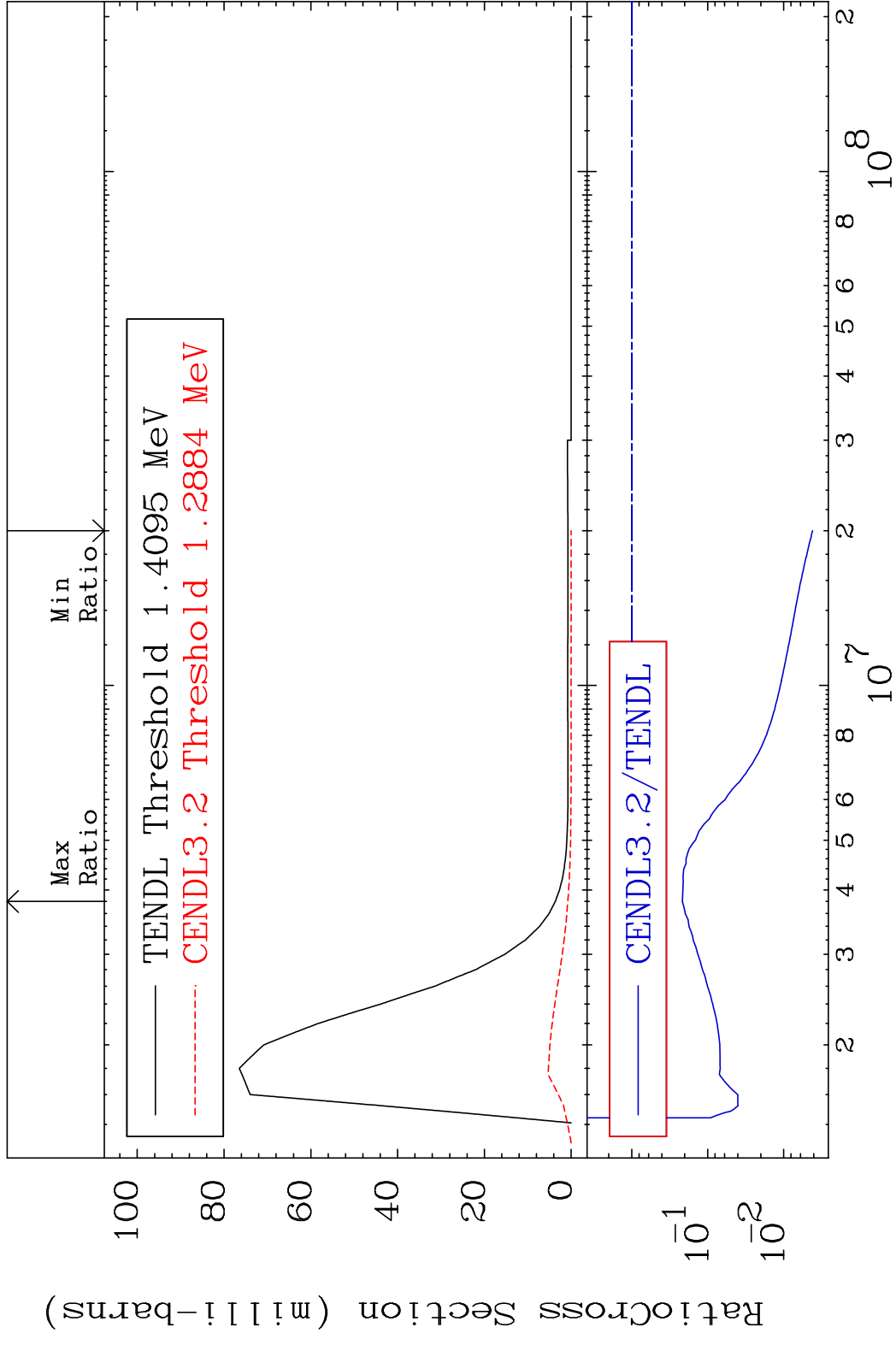
MAT 6043 MT= 58 (n, n') Level 60-Nd-148
 Cross Section -99.53 To -86.46%



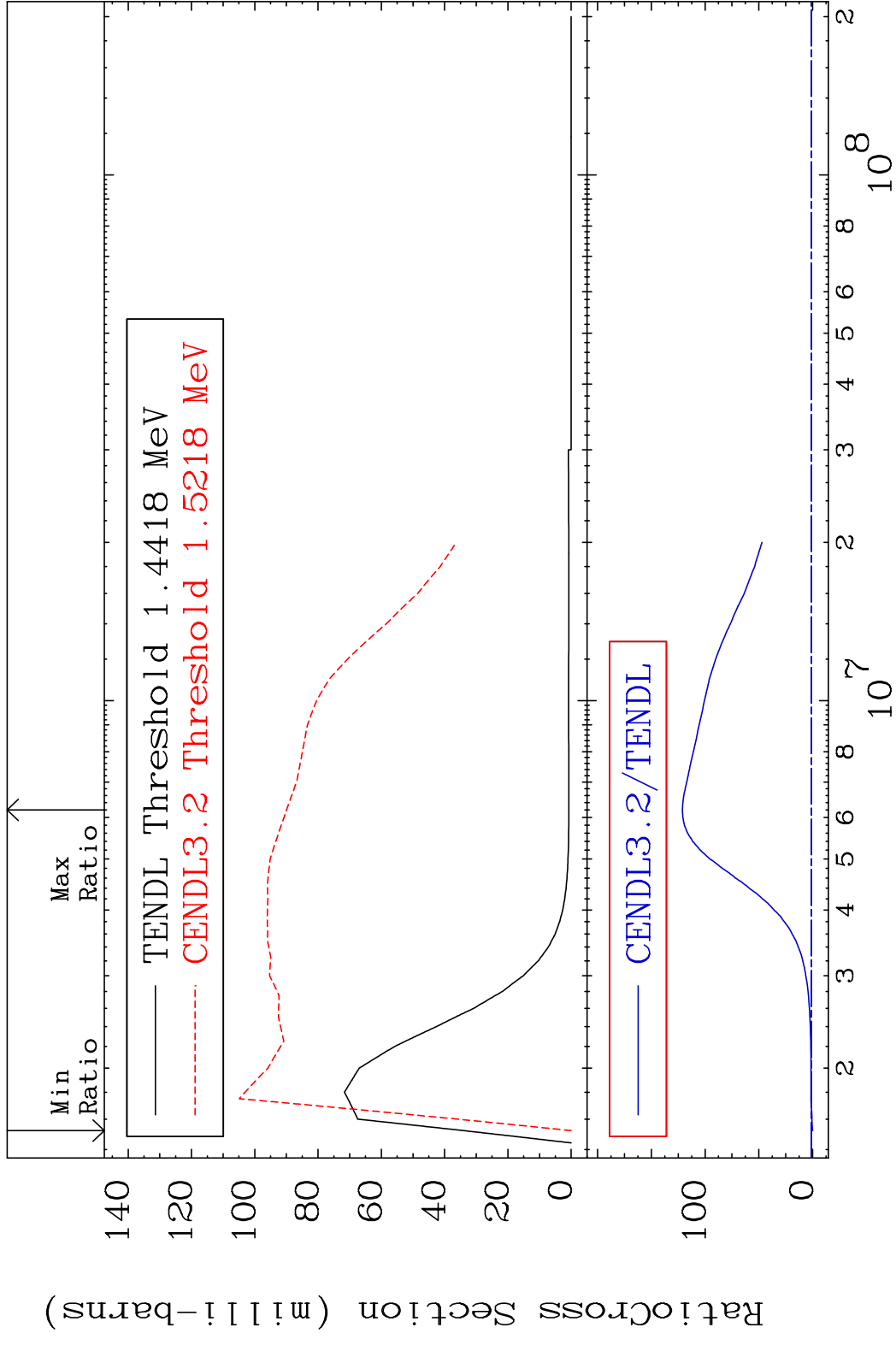
MAT 6043 MT= 59 (n, n') Level 60-Nd-148
 Cross Section 631.5 To 9999. %



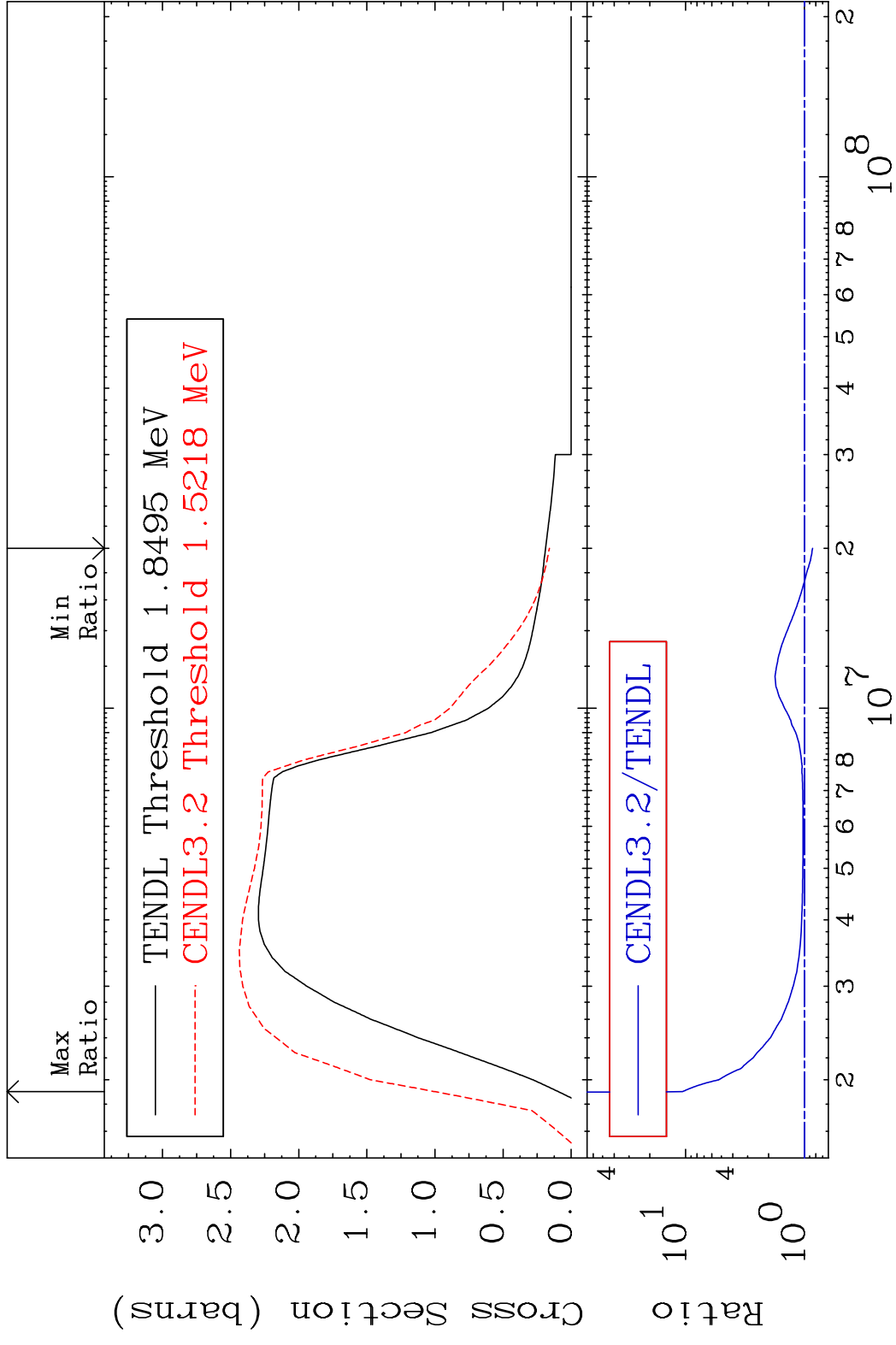
MAT 6043 MT= 60 (n, n') Level 60-Nd-148
 Cross Section -99.58 To -78.48%



MAT 6043 MT= 61 (n, n') Level 60-Nd-148
 Cross Section -100.0 To 9999. %



MAT 6043 (n,n') Continuum 60-Nd-148
 Cross Section -14.80 To 964.5 %

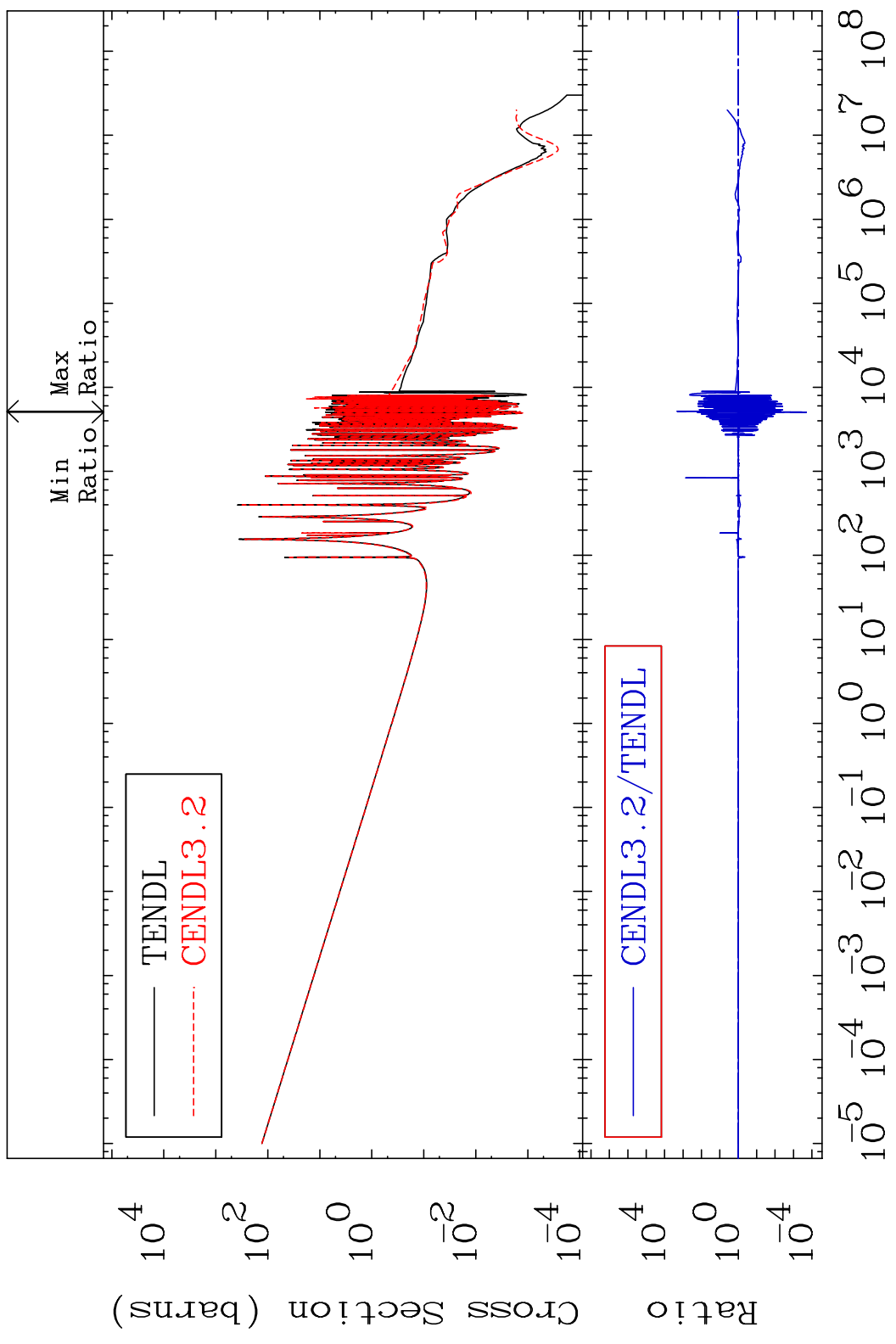


MAT 6043

(n, γ)

60-Nd-148

Cross Section -99.98 To 9999. %



20

Incident Energy (eV)

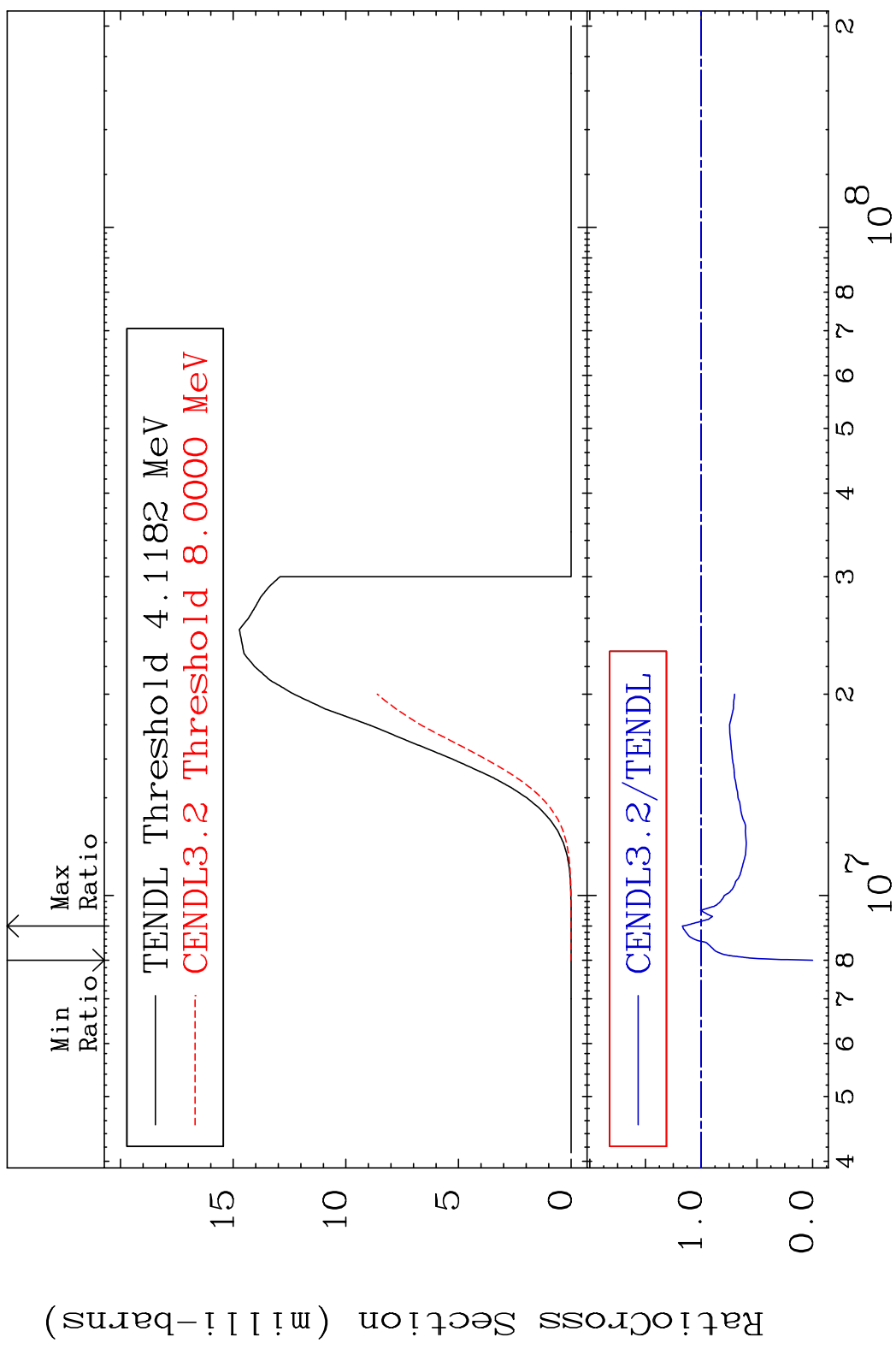
60-Nd-148

MAT 6043

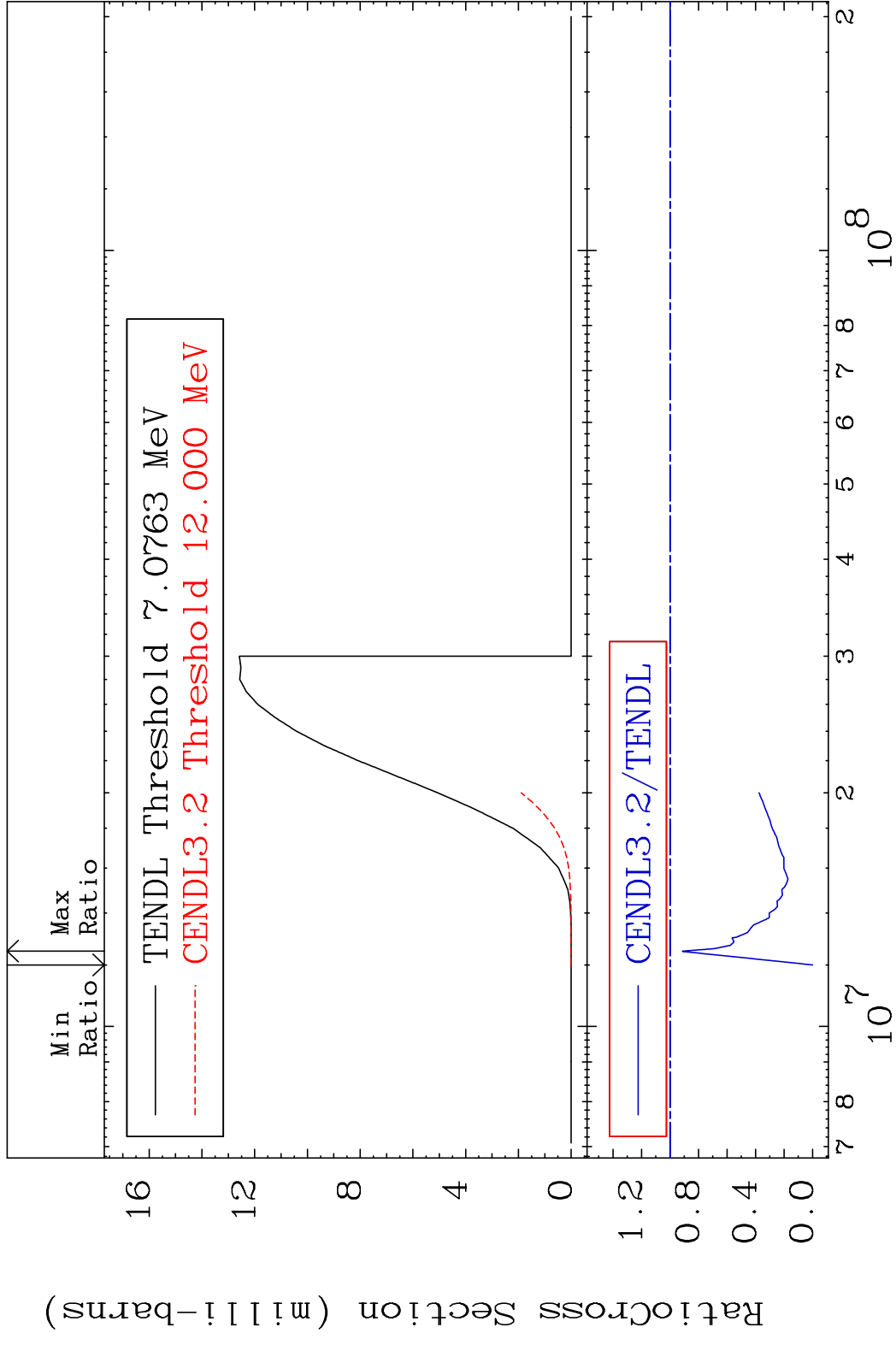
(n, p)

60-Nd-148

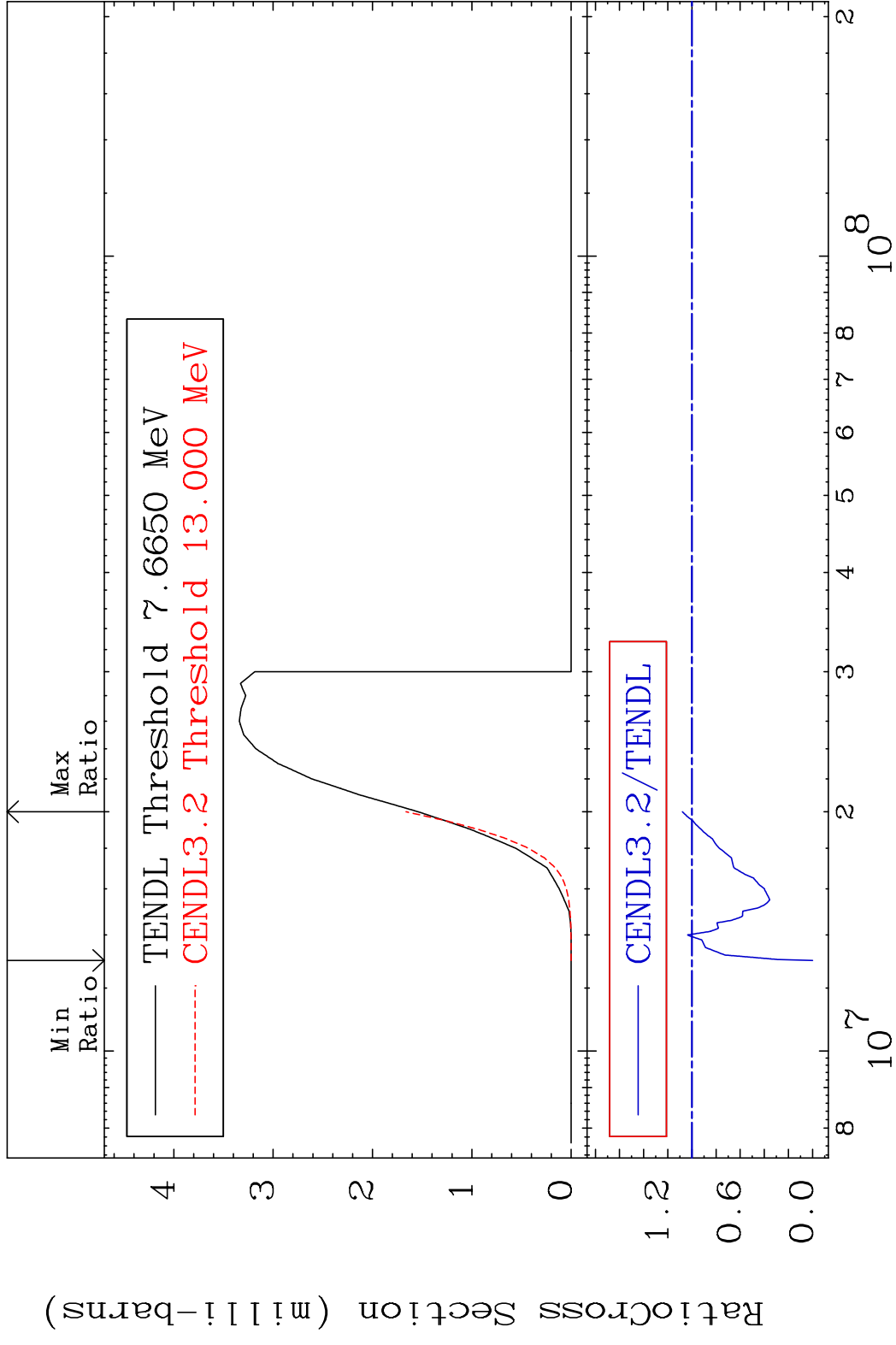
Cross Section -100.0 To 16.91 %



MAT 6043 (n,d) 60-Nd-148
 Cross Section -100.0 To -8.634%



MAT 6043 (n, t) 60-Nd-148
 Cross Section -100.0 To 7.940 %

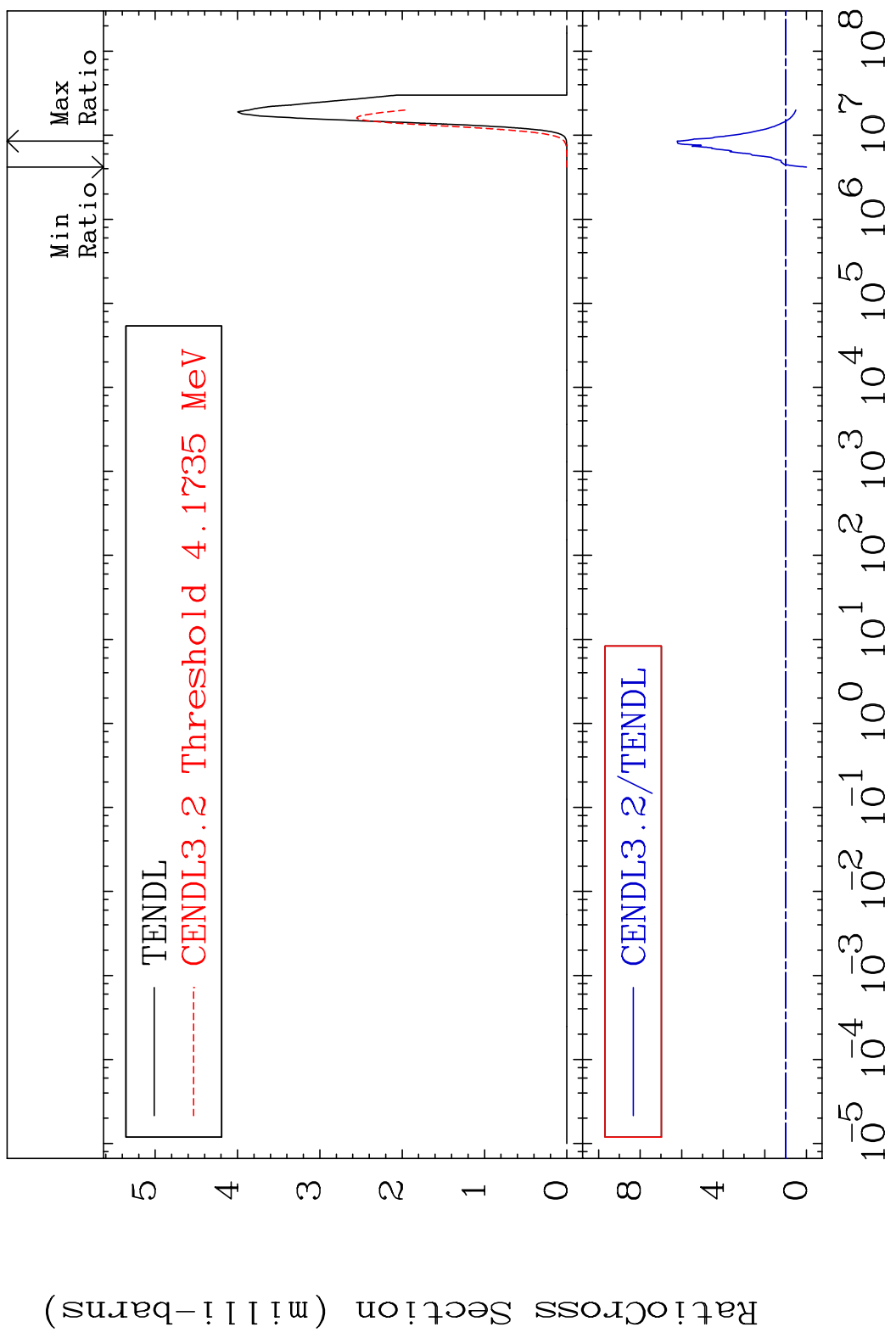


MAT 6043

(n, α)

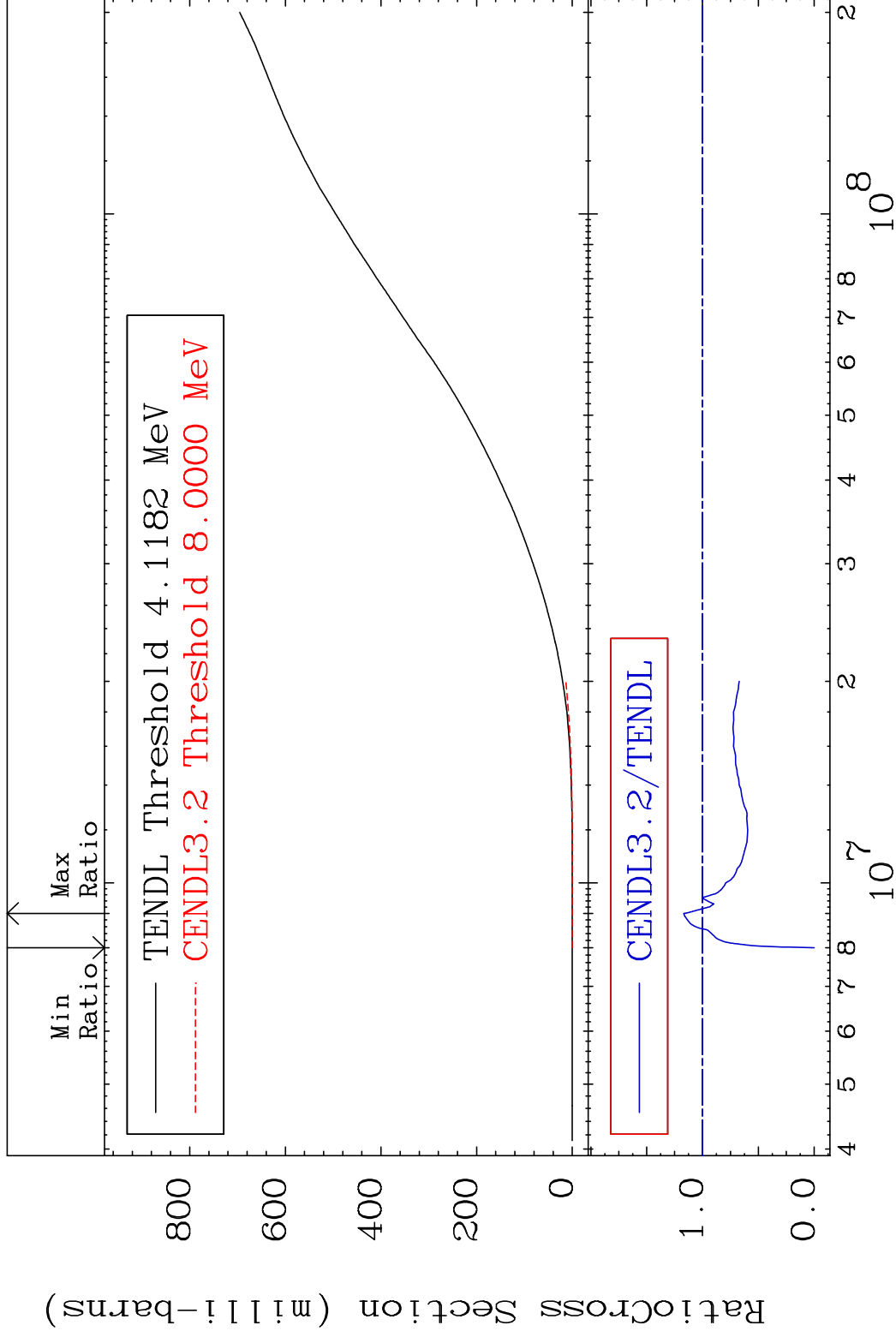
60-Nd-148

Cross Section -100.0 To 521.8 %



MAT 6043

Hydrogen Production 60-Nd-148
Cross Section -100.0 To 16.91 %



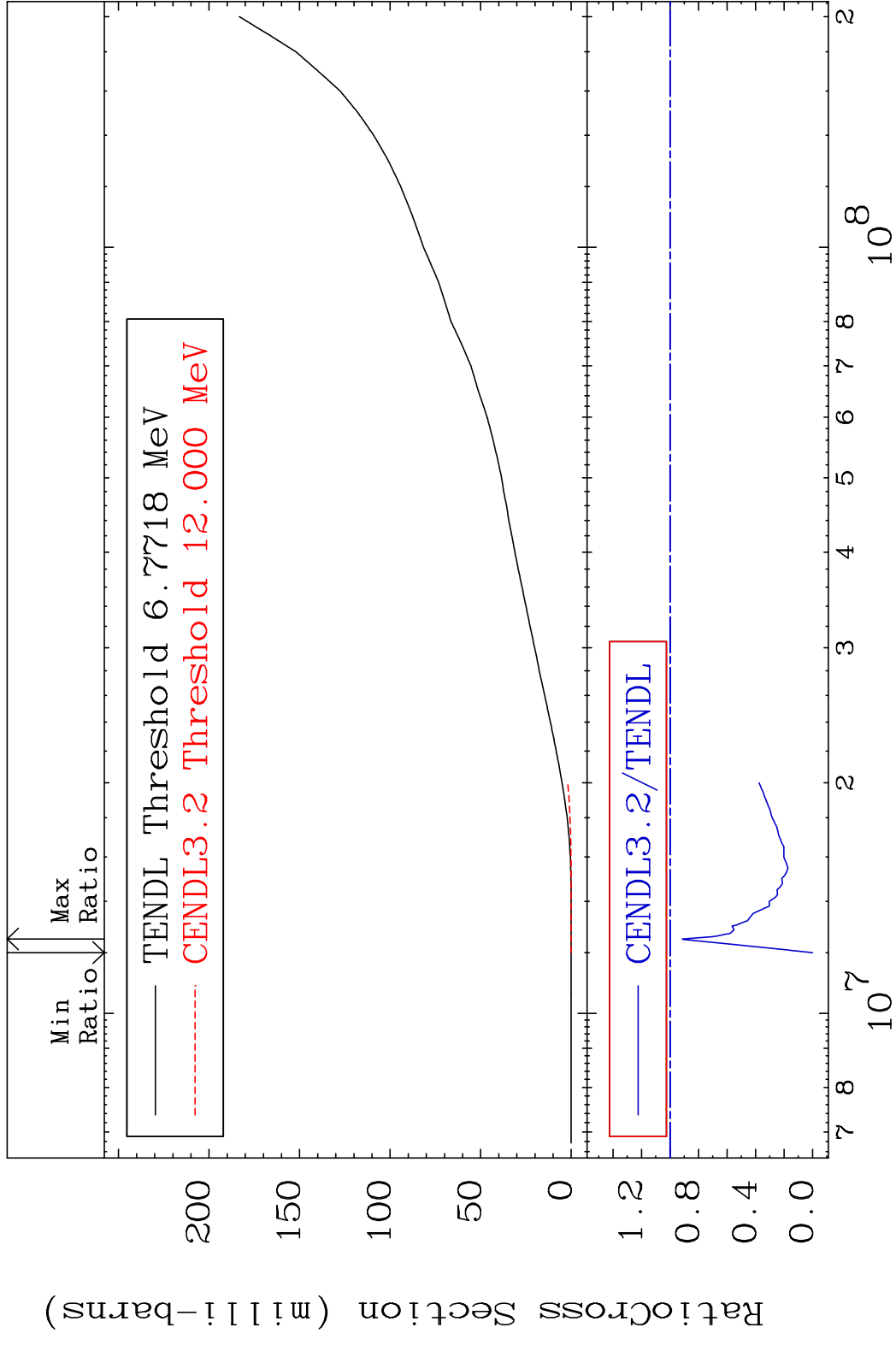
25

Incident Energy (eV)

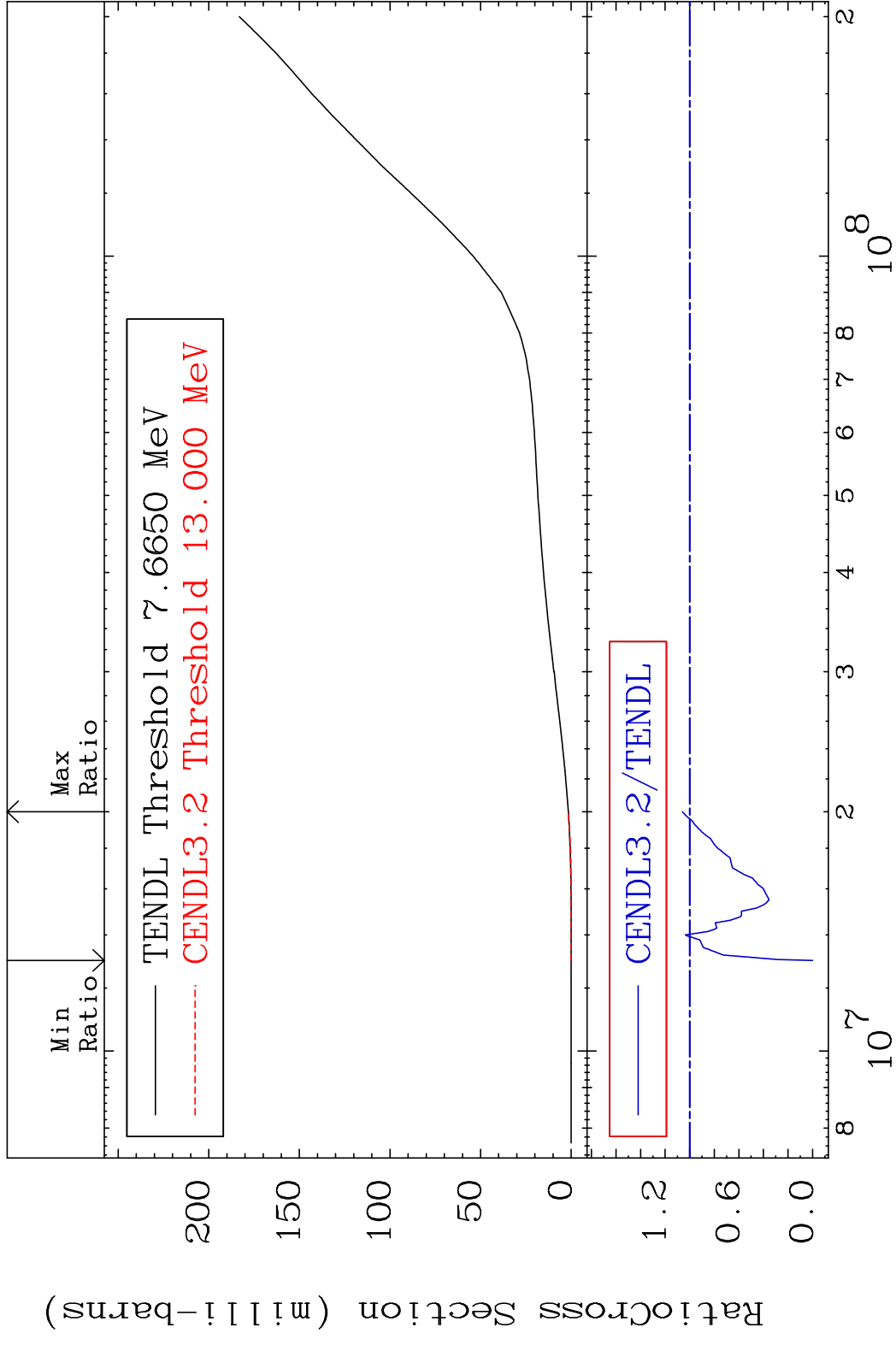
60-Nd-148

MAT 6043

Deuterium Production 60-Nd-148
Cross Section -100.0 To -8.634%



MAT 6043 Tritium Production 60-Nd-148
 Cross Section -100.0 To 5.998 %

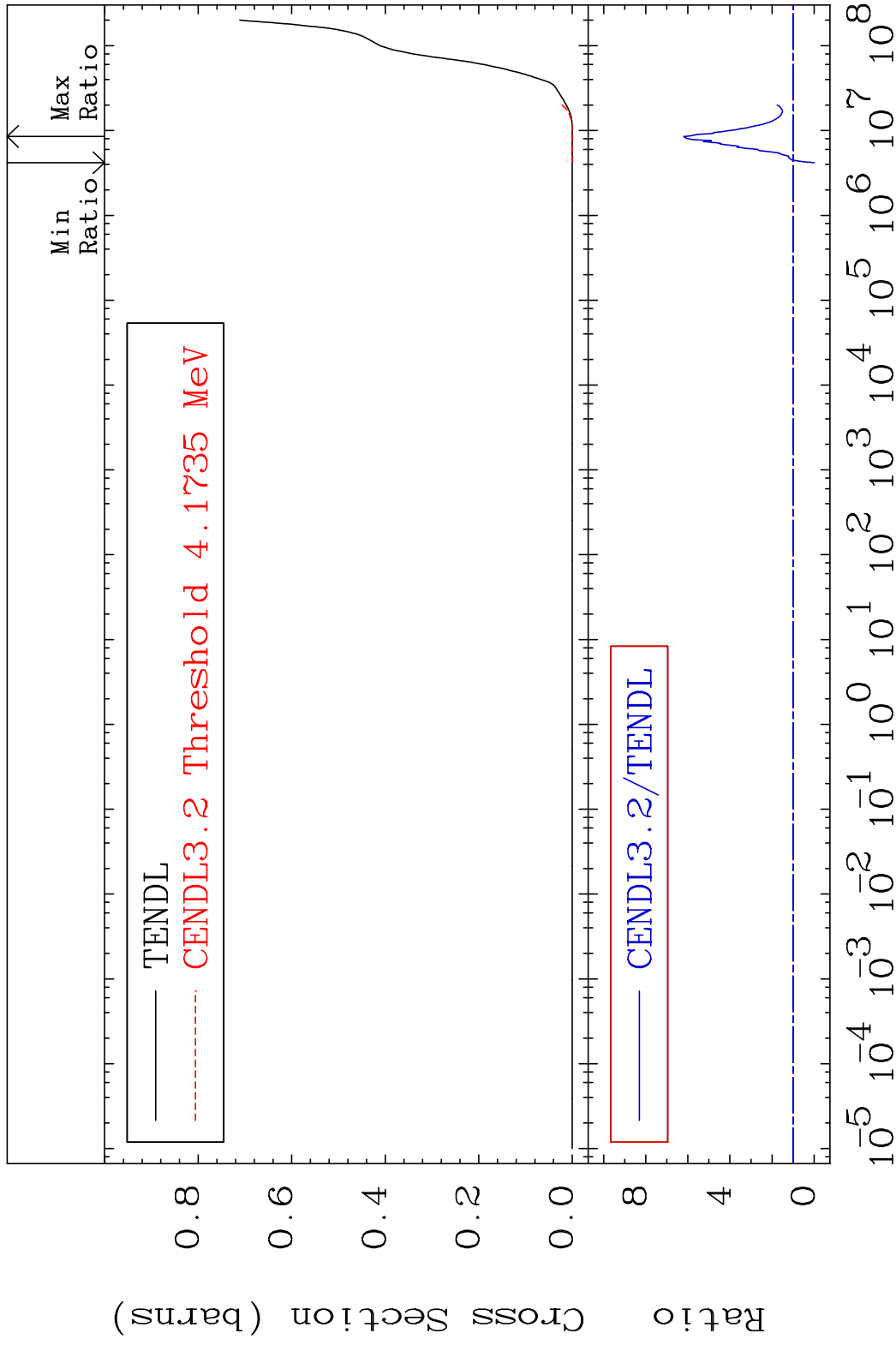


MAT 6043

He-4 Production

60-Nd-148

Cross Section -100.0 To 520.1 %

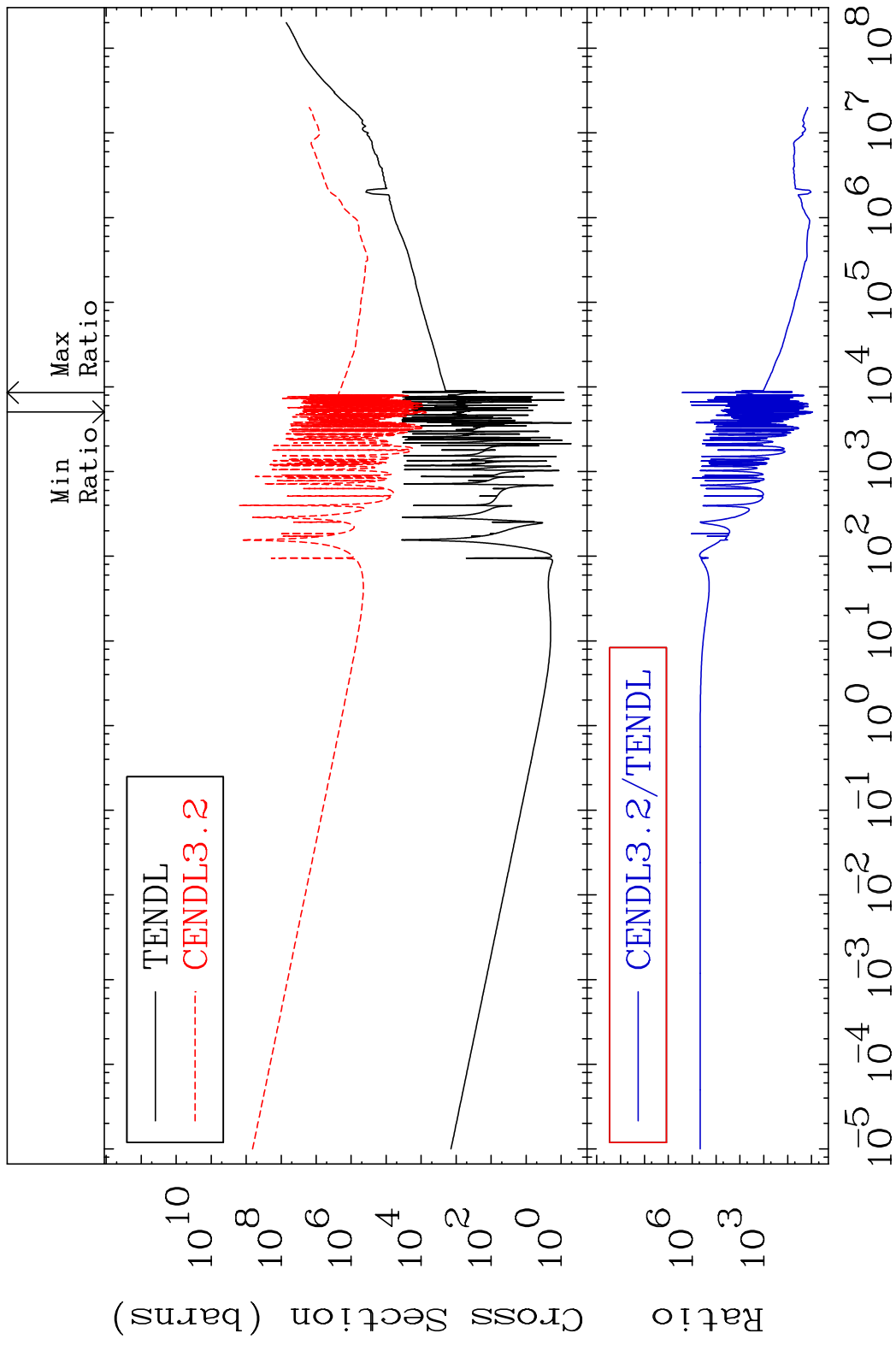


28

Incident Energy (eV)

60-Nd-148

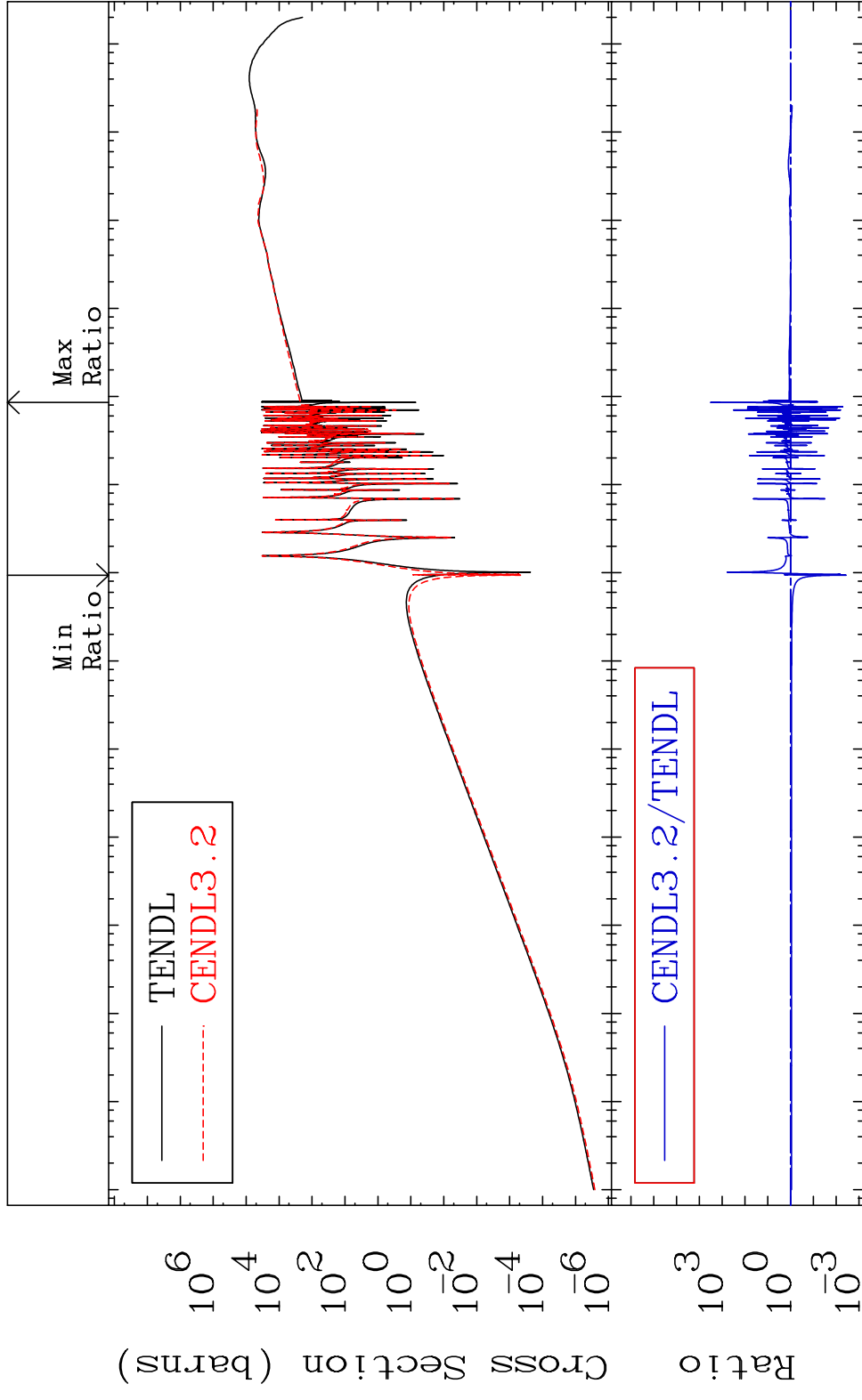
MAT 6043 Kerma total (eV-barns) 60-Nd-148
 Cross Section 804.1 To 9999. %



MAT 6043

Kerma elastic
Cross Section

60-Nd-148
-99.64 To 9999. %

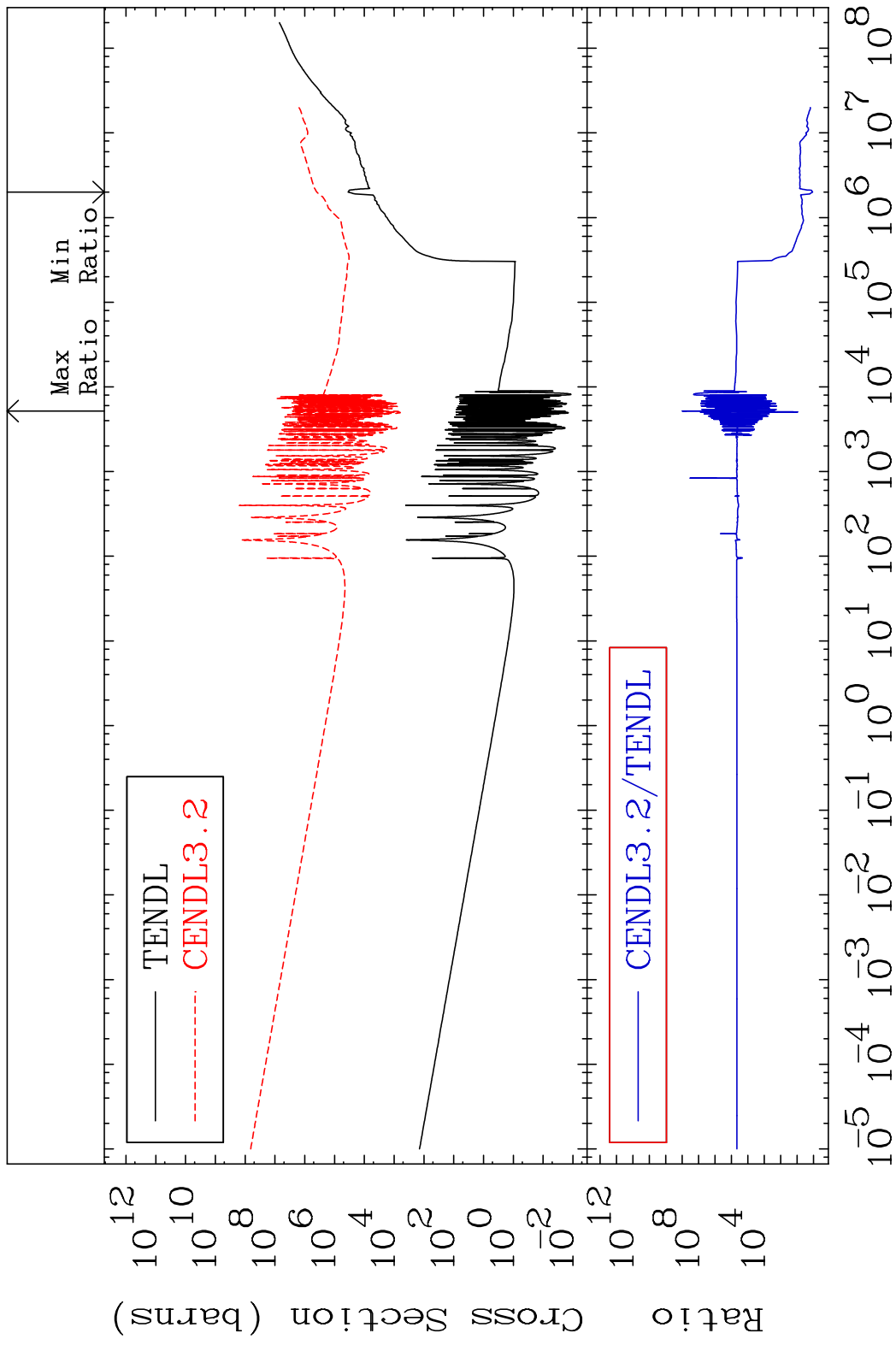


30

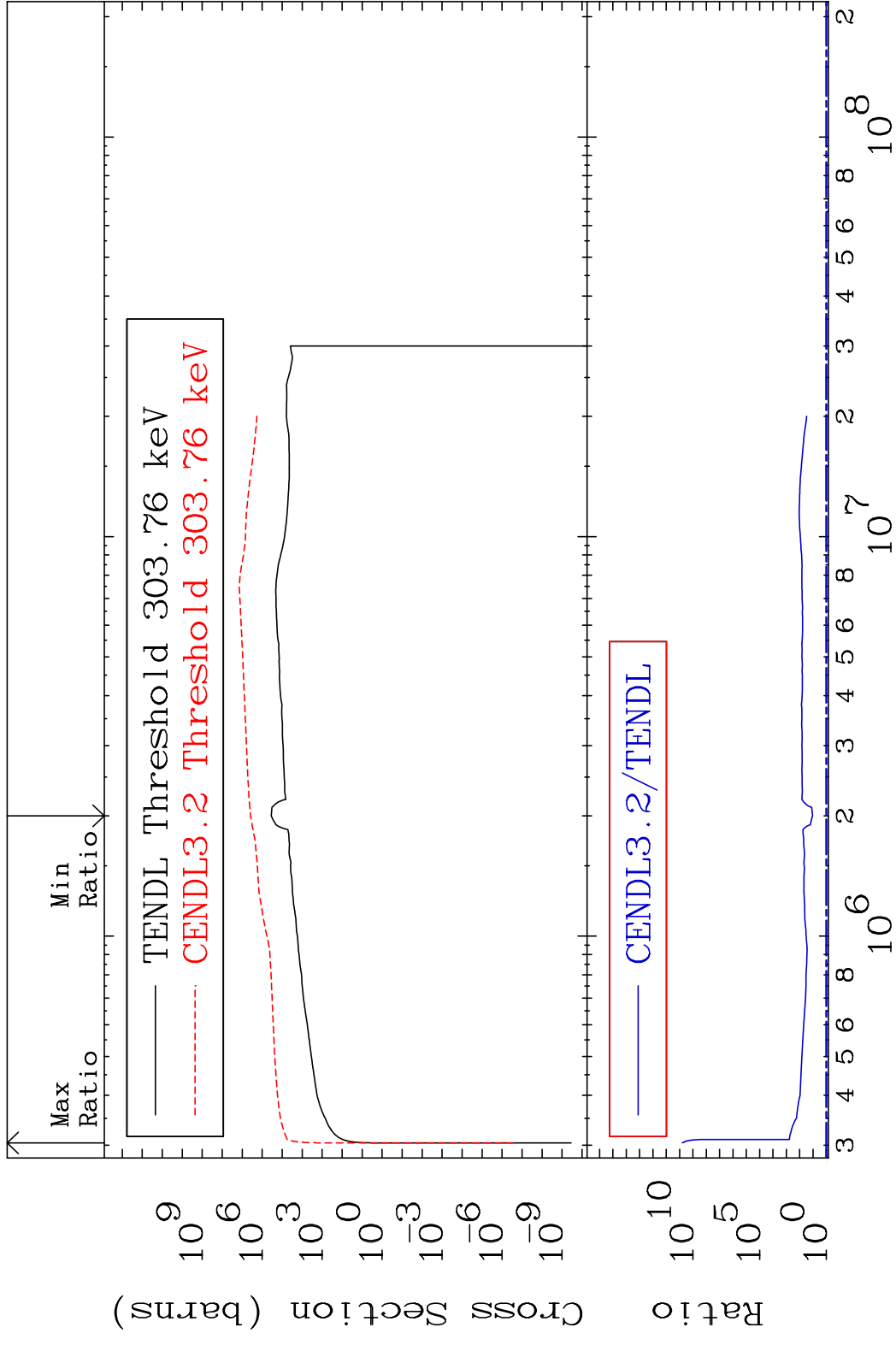
Incident Energy (eV)

60-Nd-148

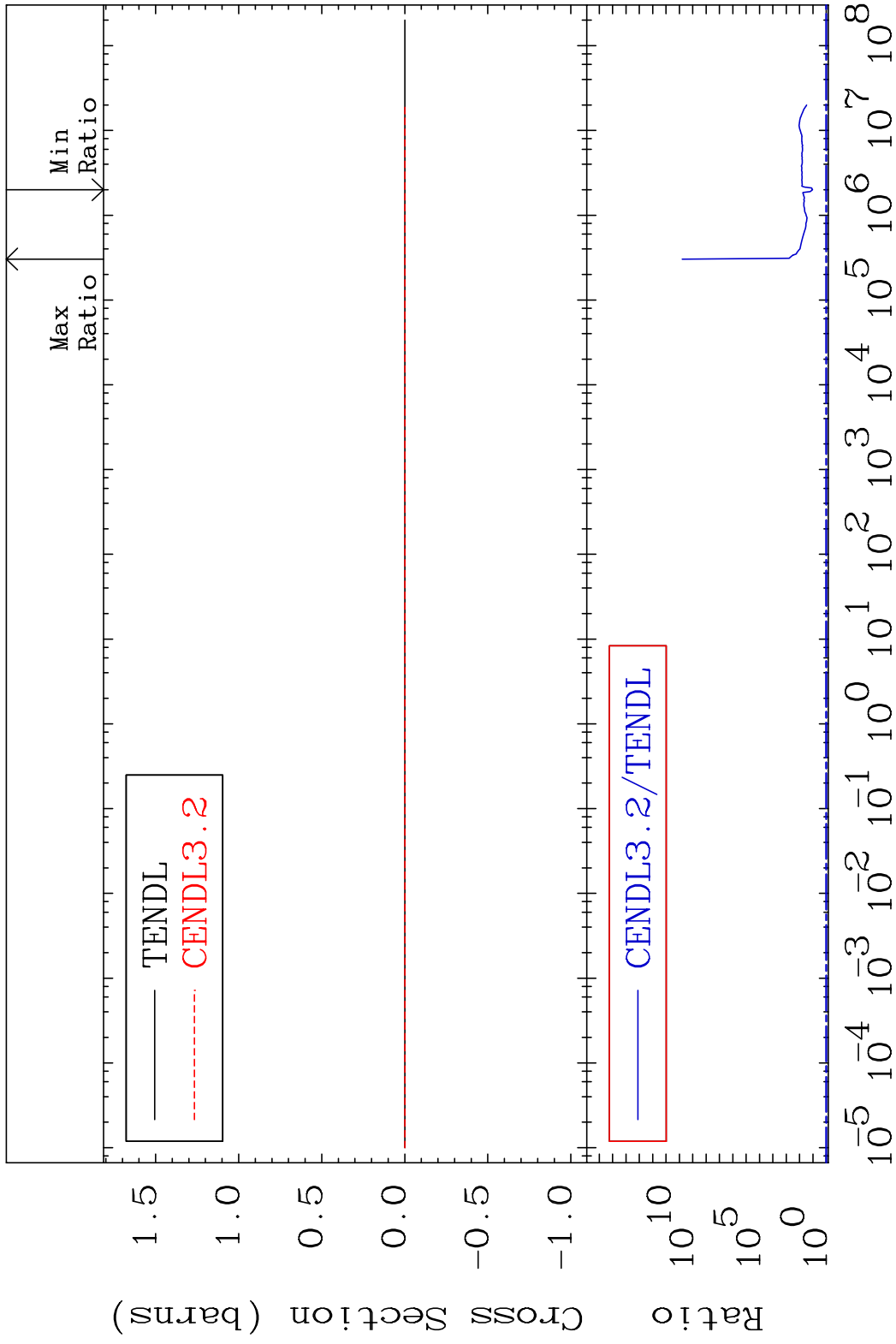
MAT 6043 Kerma non-elastic (all but mt2) 60-Nd-148
 Cross Section 1033. To 9999. %



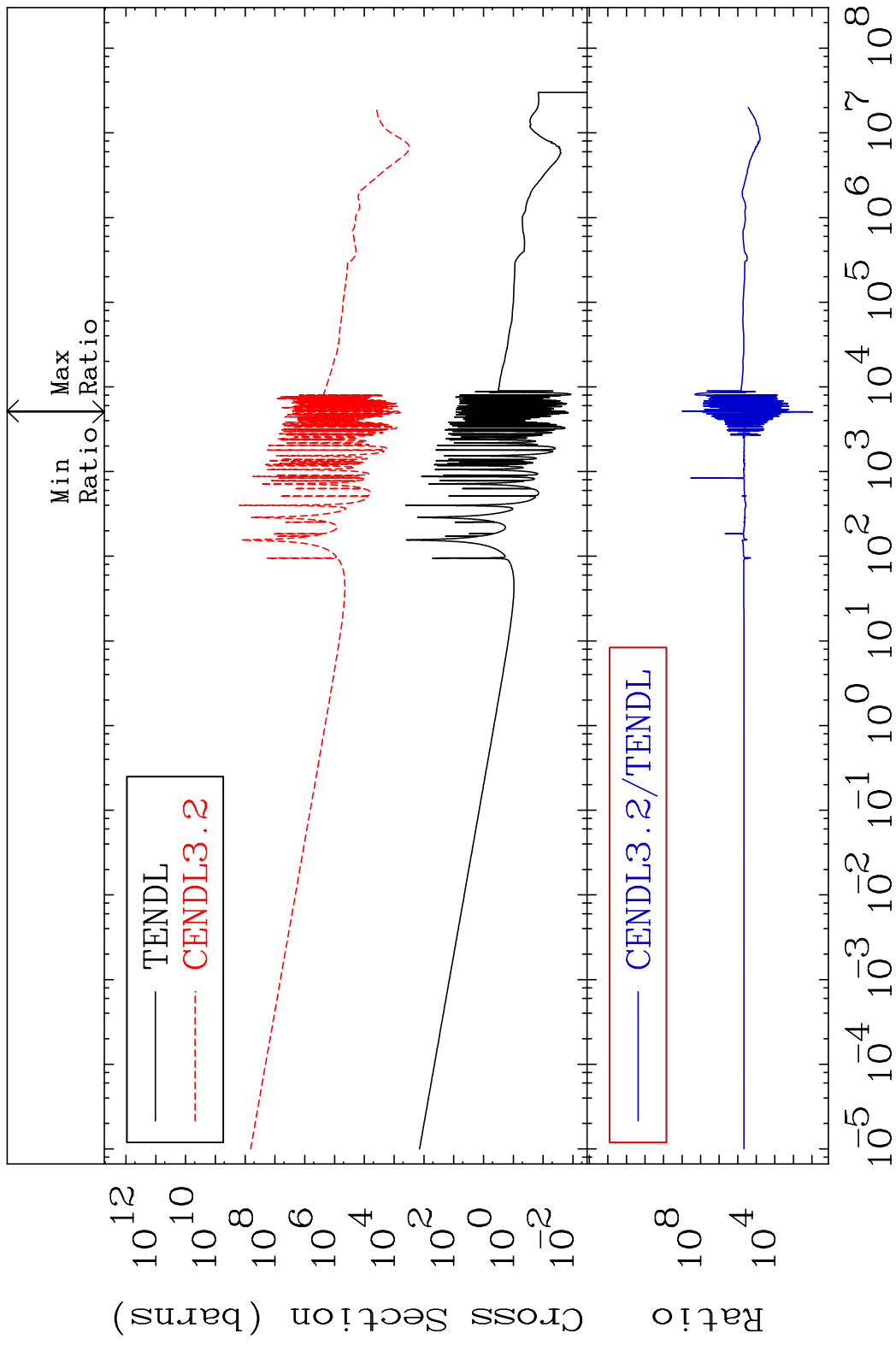
MAT 6043 Kerma inelastic (mt51-91) 60-Nd-148
 Cross Section 990.4 To 9999. %



MAT 6043 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-148
 Cross Section 990.4 To 9999. %

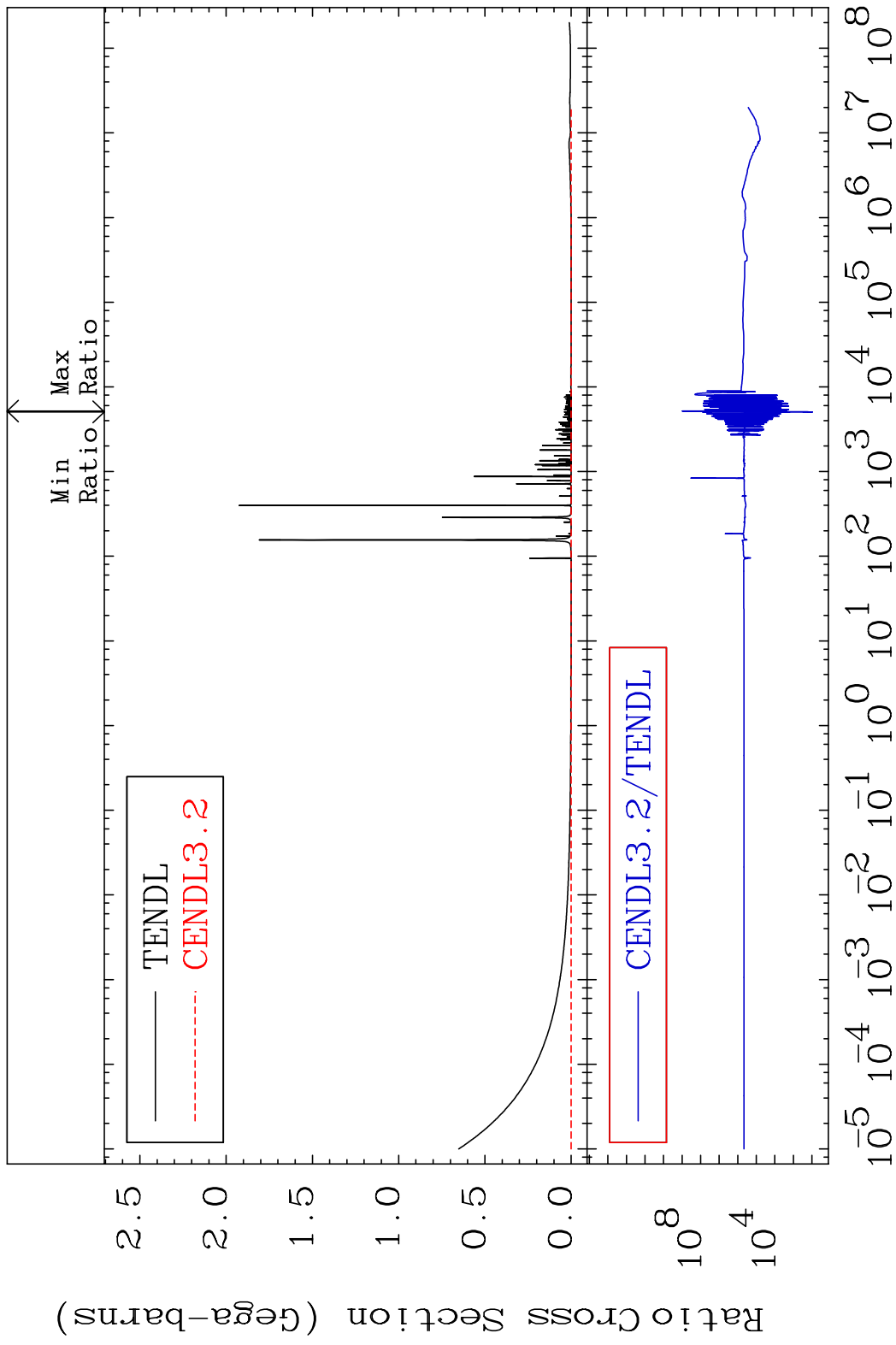


MAT 6043 Kerma capture (mt102) 60-Nd-148
 Cross Section 9191. To 9999. %

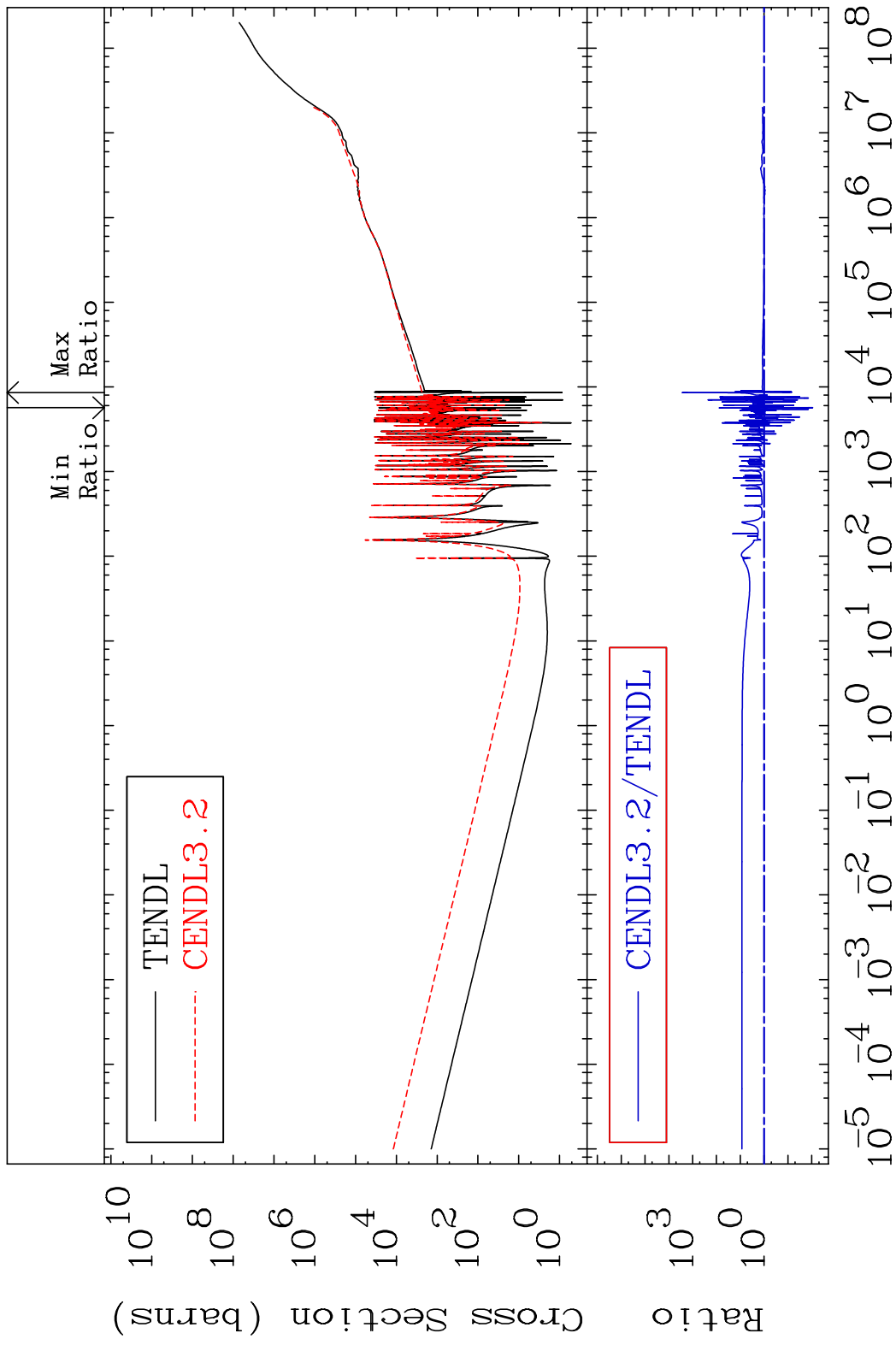


34 Incident Energy (eV) 60-Nd-148

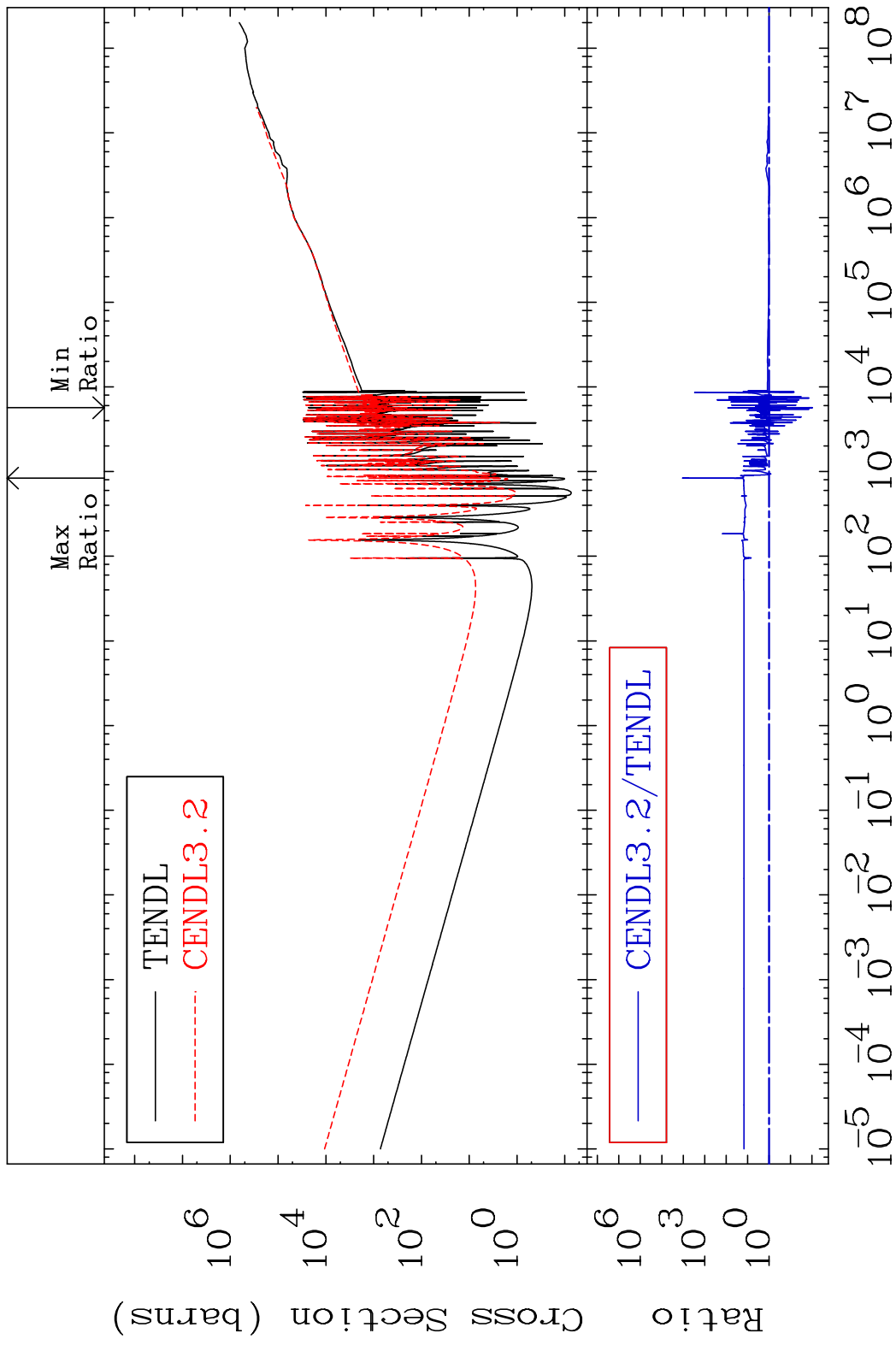
MAT 6043 Total photon (eV-barns) 60-Nd-148
Cross Section 9191. To 9999. %



MAT 6043 Total kinematic kerma (high limit) 60-Nd-148
 Cross Section -99.07 To 9999. %



MAT 6043 Dpa total (eV-barns) 60-Nd-148
 Cross Section -99.06 To 9999. %

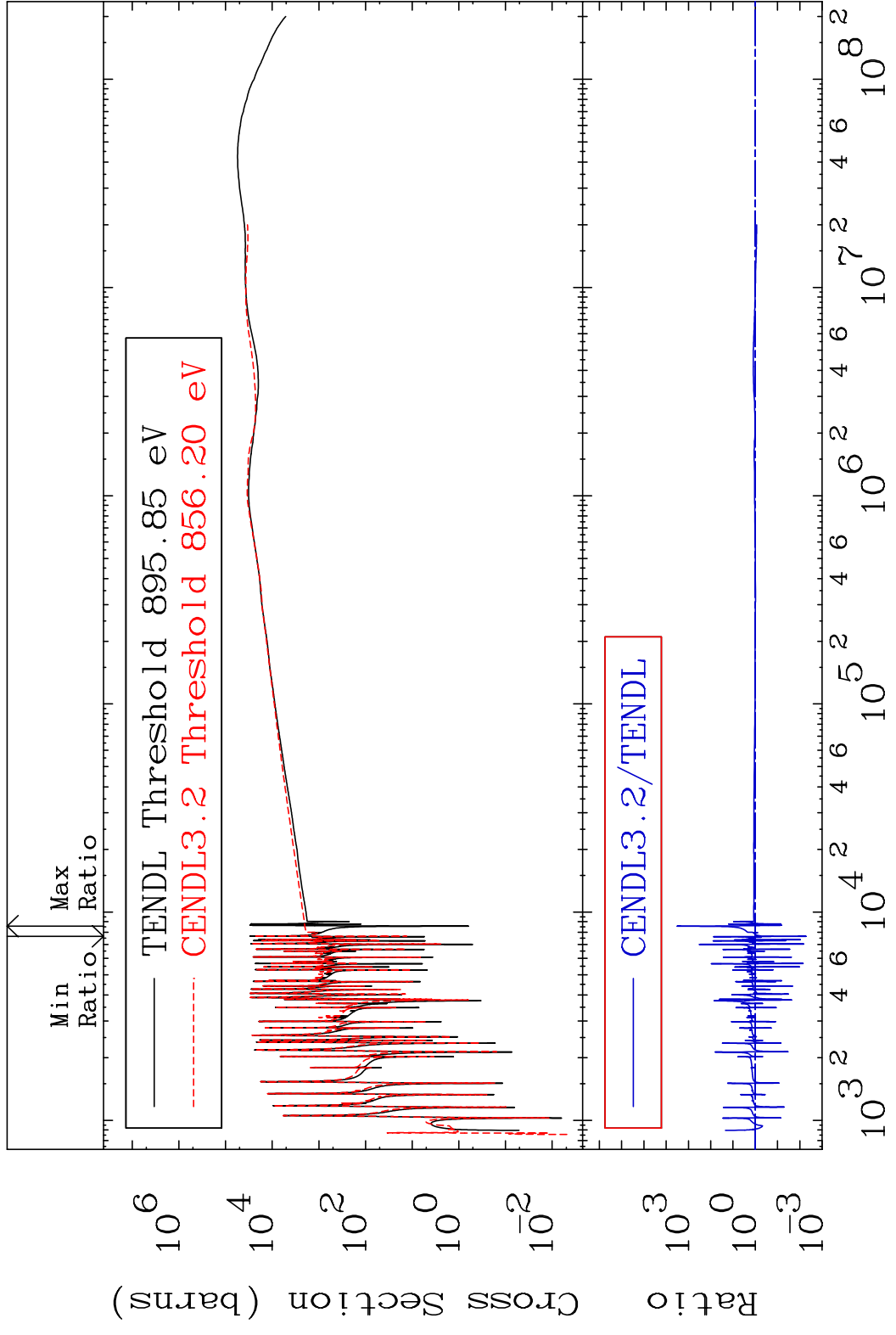


MAT 6043

Dpa elastic (mt2)

60-Nd-148

Cross Section -99.49 To 9999. %

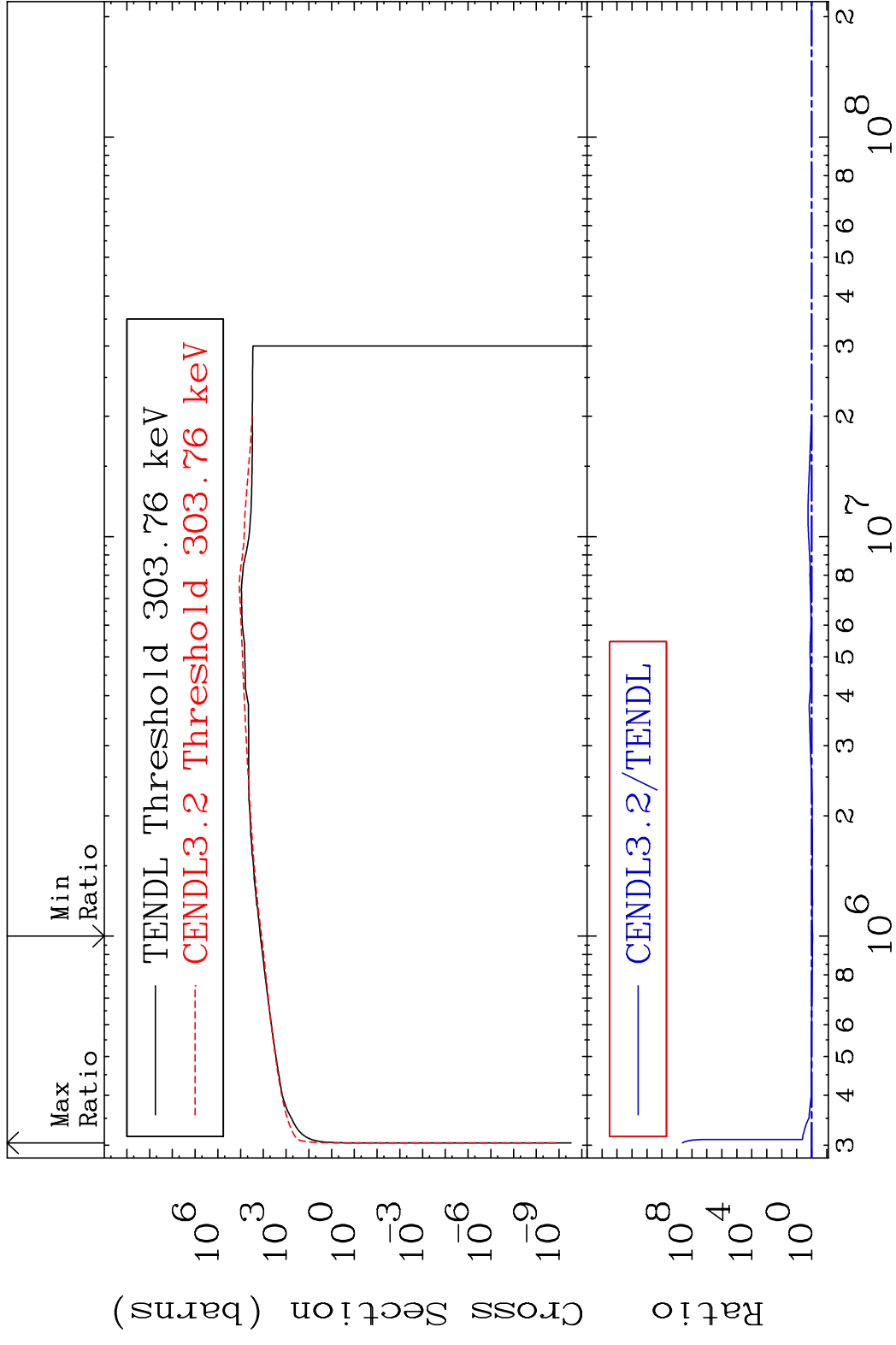


38

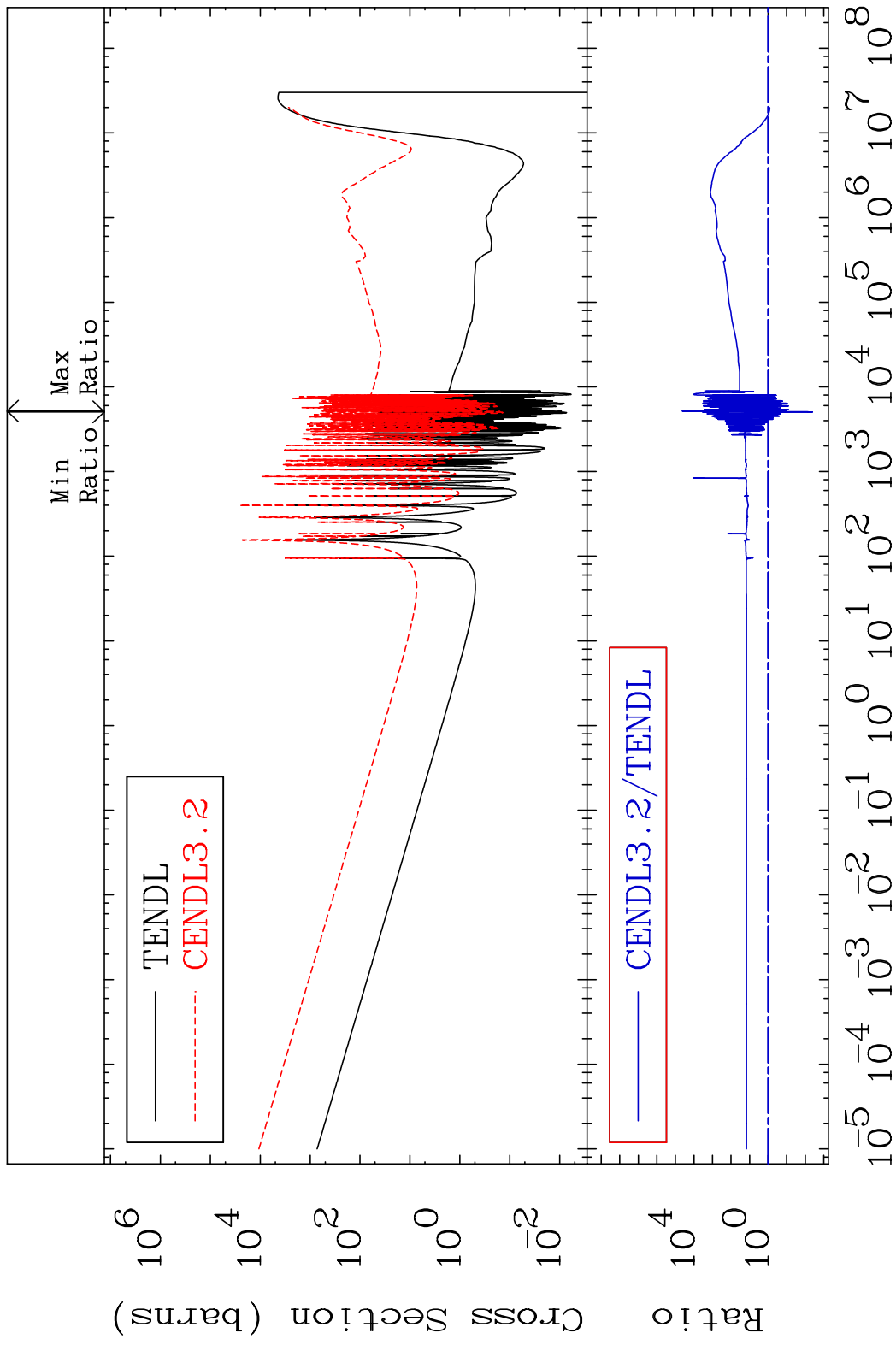
Incident Energy (eV)

60-Nd-148

MAT 6043 Dpa inelastic (mt51-91) 60-Nd-148
 Cross Section -11.94 To 9999. %



MAT 6043 Dpa disappearance (mt102 -120) 60-Nd-148
 Cross Section -99.60 To 9999. %



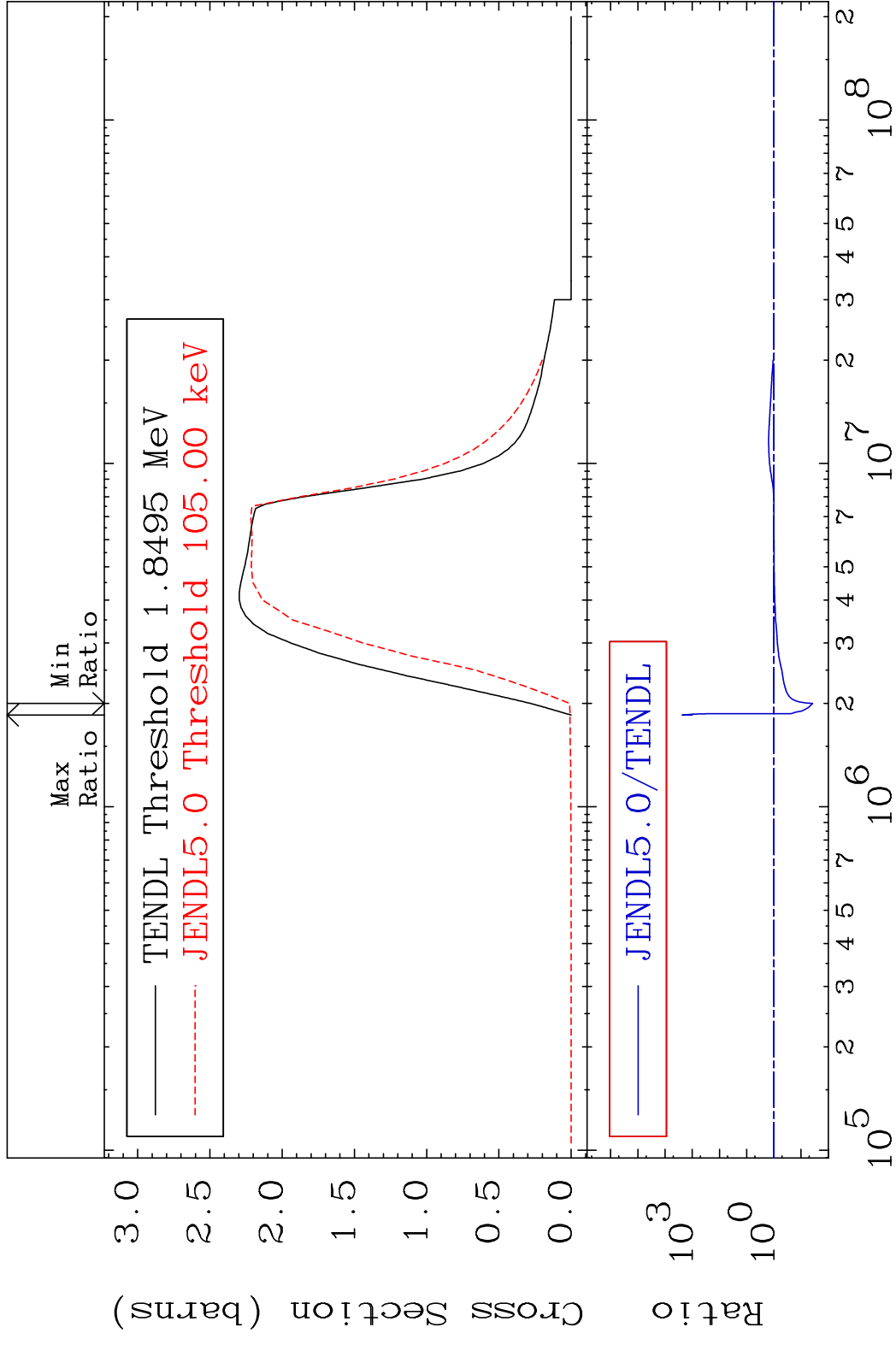
40 Incident Energy (eV) 60-Nd-148

MAT 6043

(n, n') Continuum

60-Nd-148

Cross Section -96.22 To 9999. %



41

Incident Energy (eV)

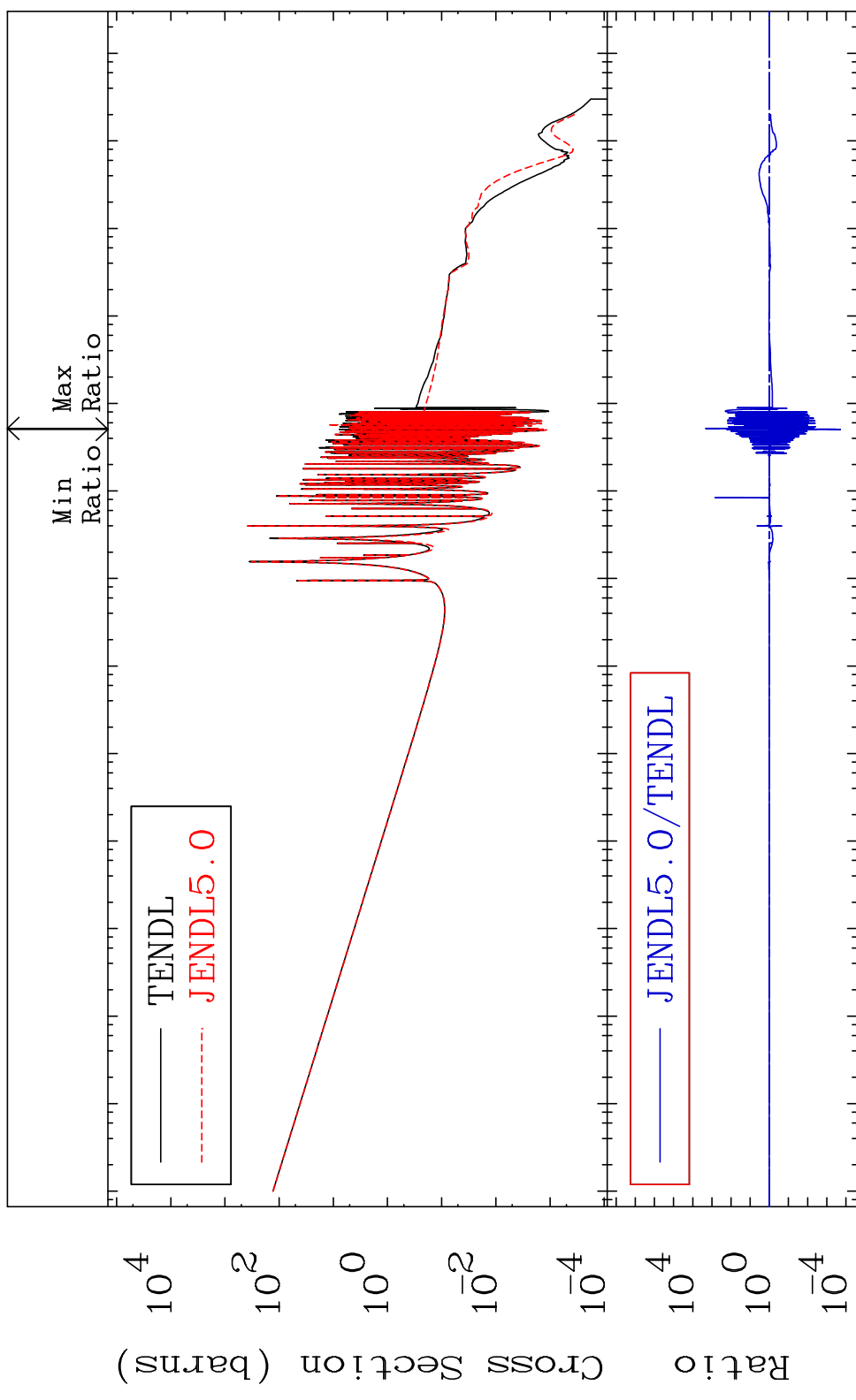
60-Nd-148

MAT 6043

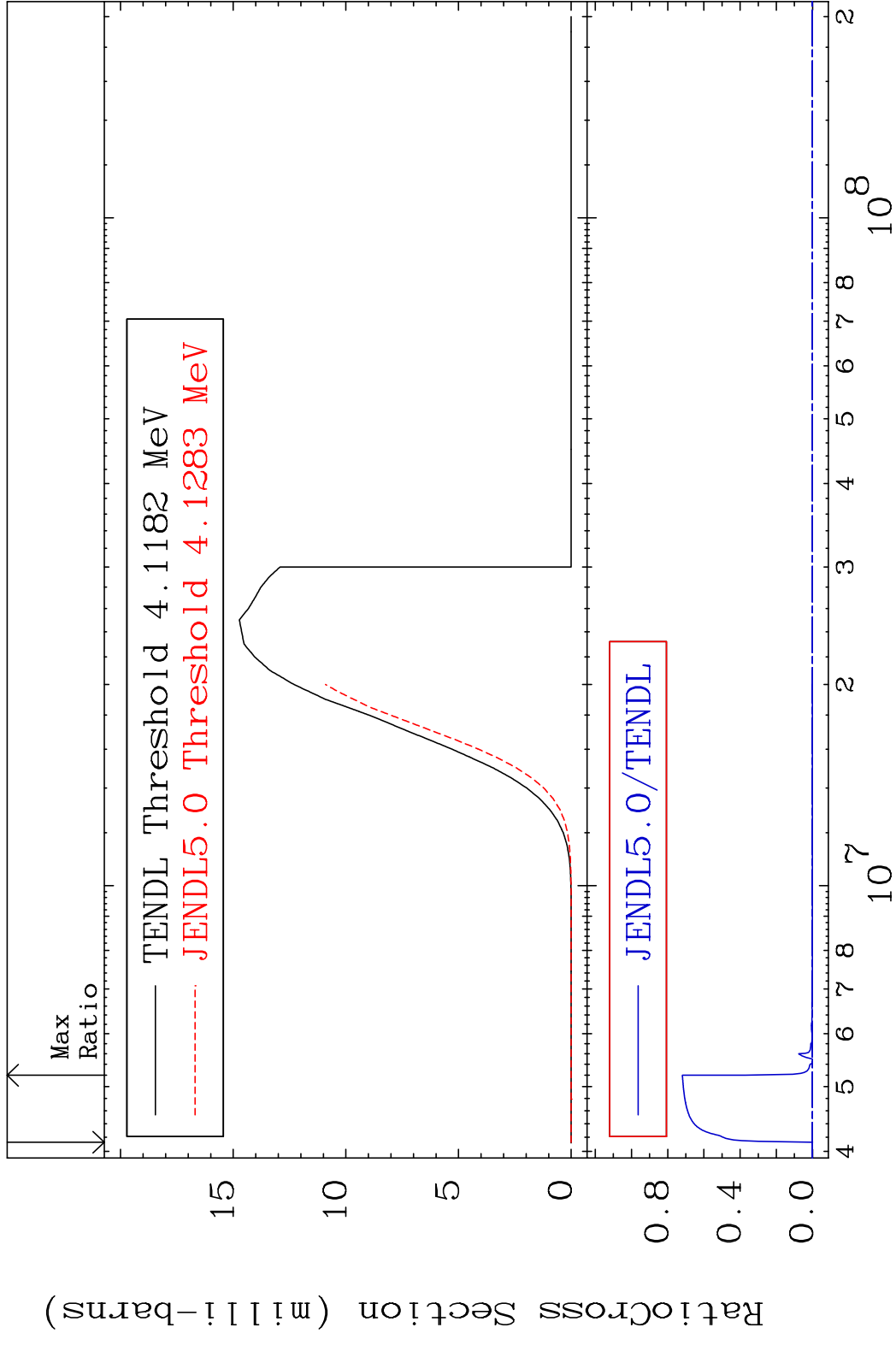
(n, γ)

60-Nd-148

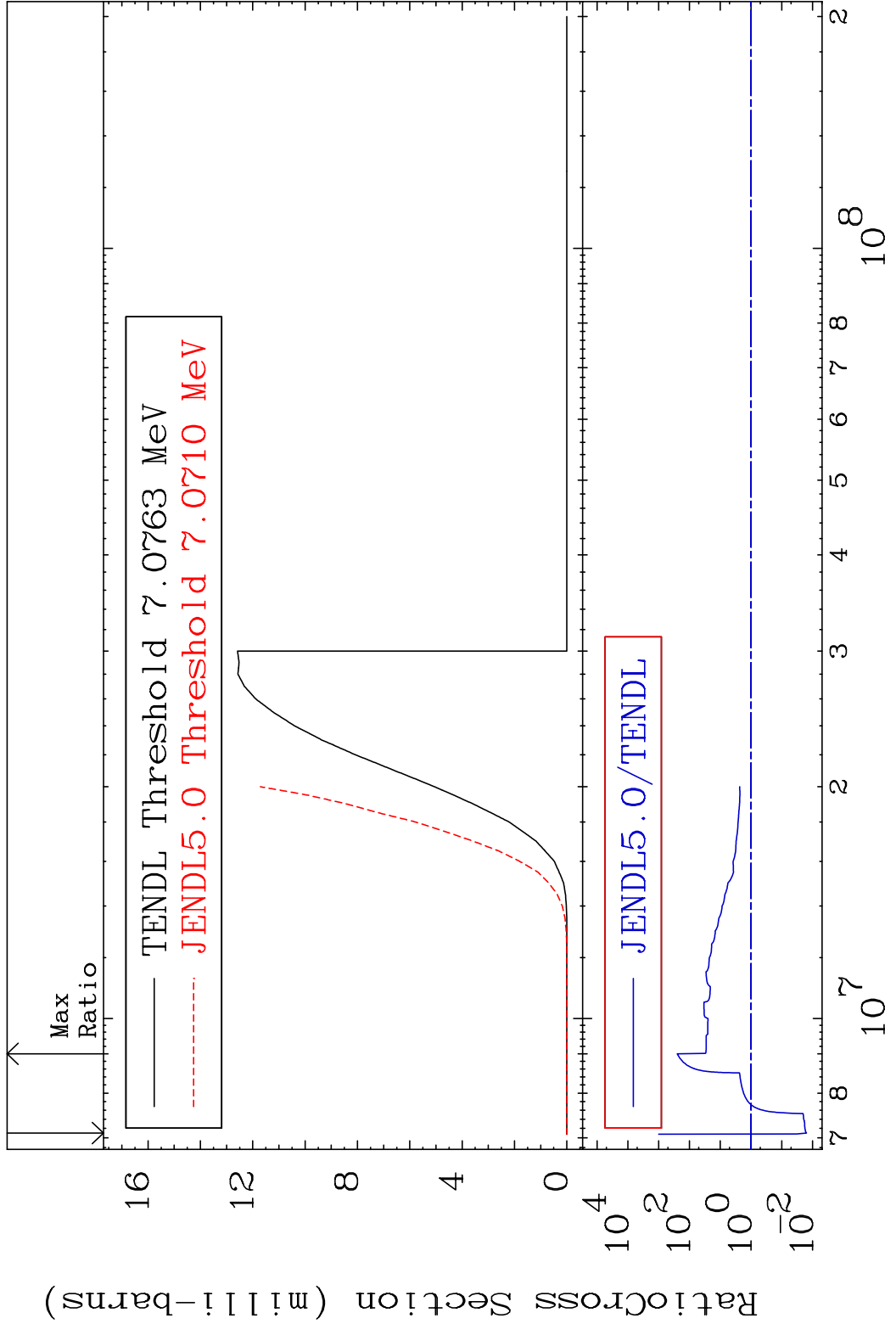
Cross Section -99.98 To 9999. %



MAT 6043 (n,p) 60-Nd-148
 Cross Section -100.0 To 9999. %



MAT 6043 (n,d) 60-Nd-148
 Cross Section -98.42 To 9999. %

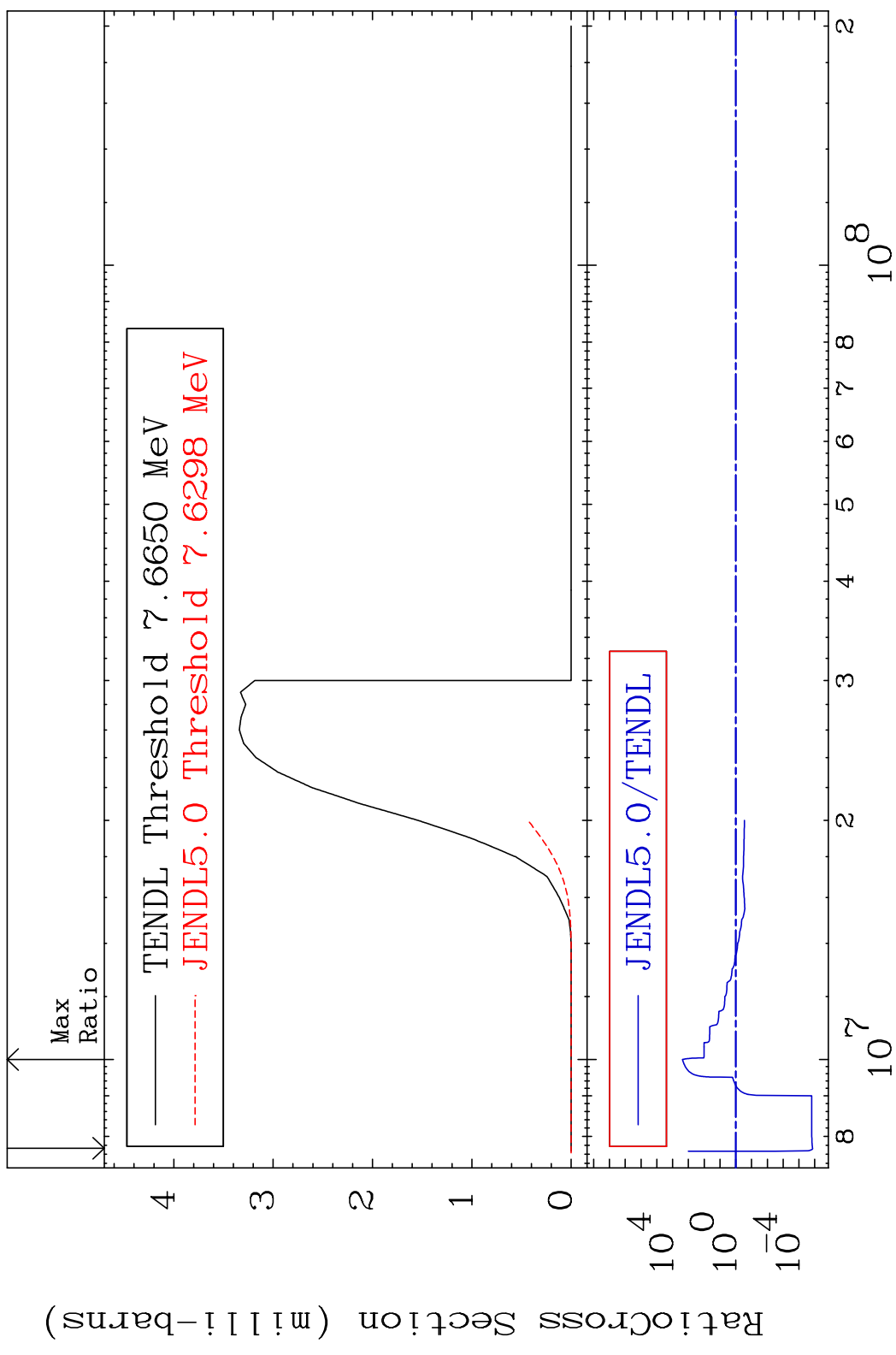


MAT 6043

(n, t)

60-Nd-148

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

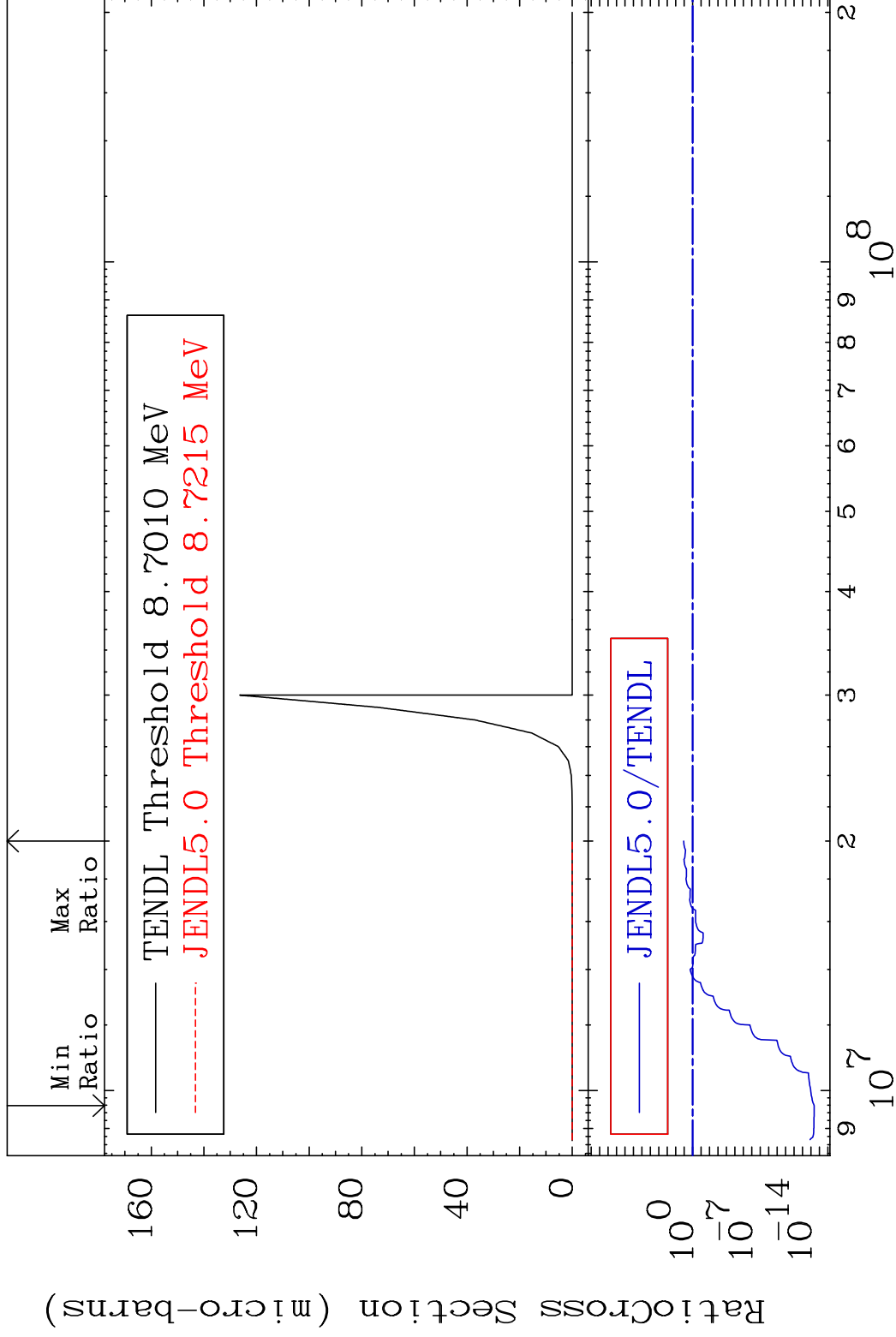
60-Nd-148

MAT 6043

(n, He-3)

60-Nd-148

Cross Section -100.0 To 1046. %



46

Incident Energy (eV)

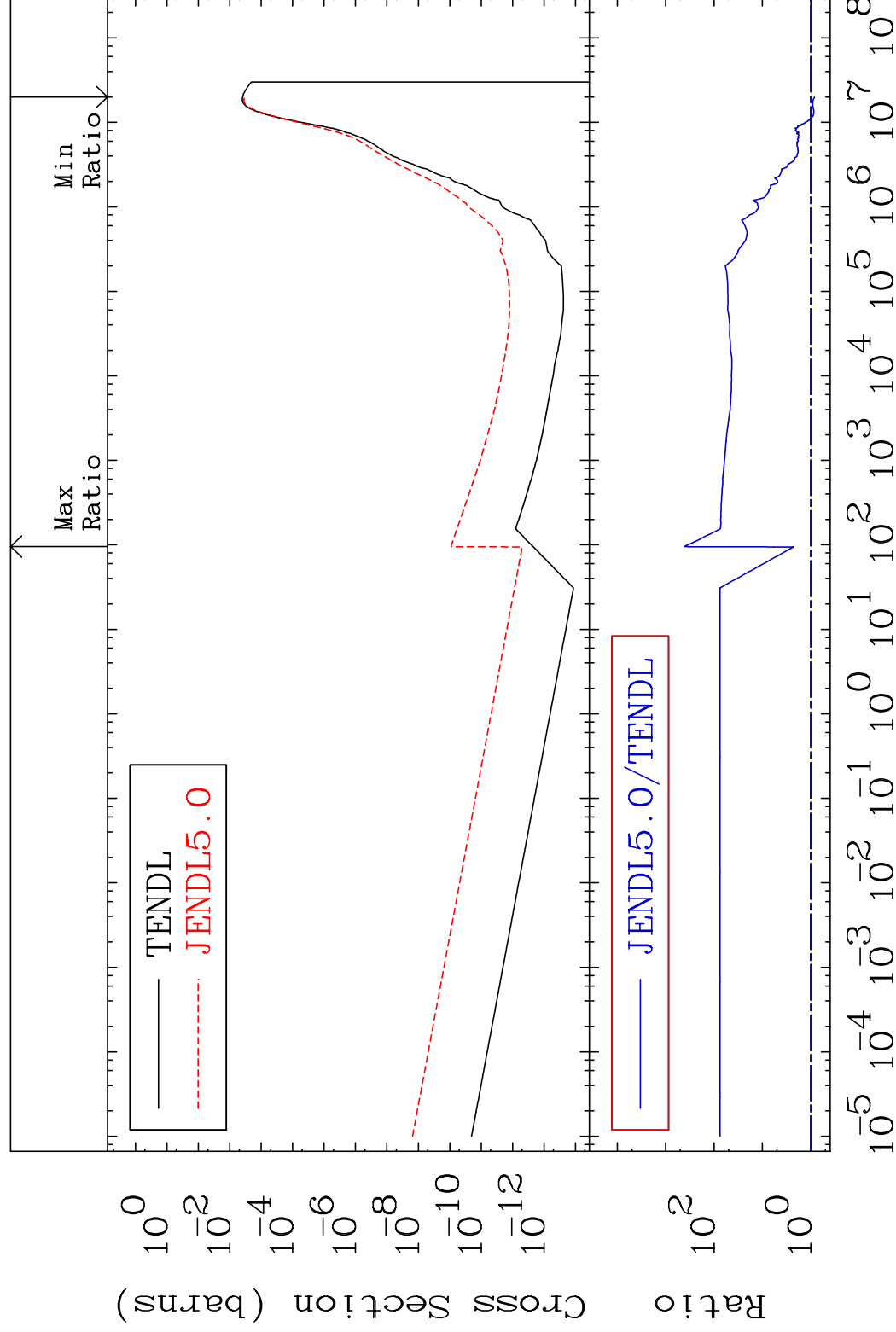
60-Nd-148

MAT 6043

(n, α)

60-Nd-148

Cross Section -15.75 To 9999. %

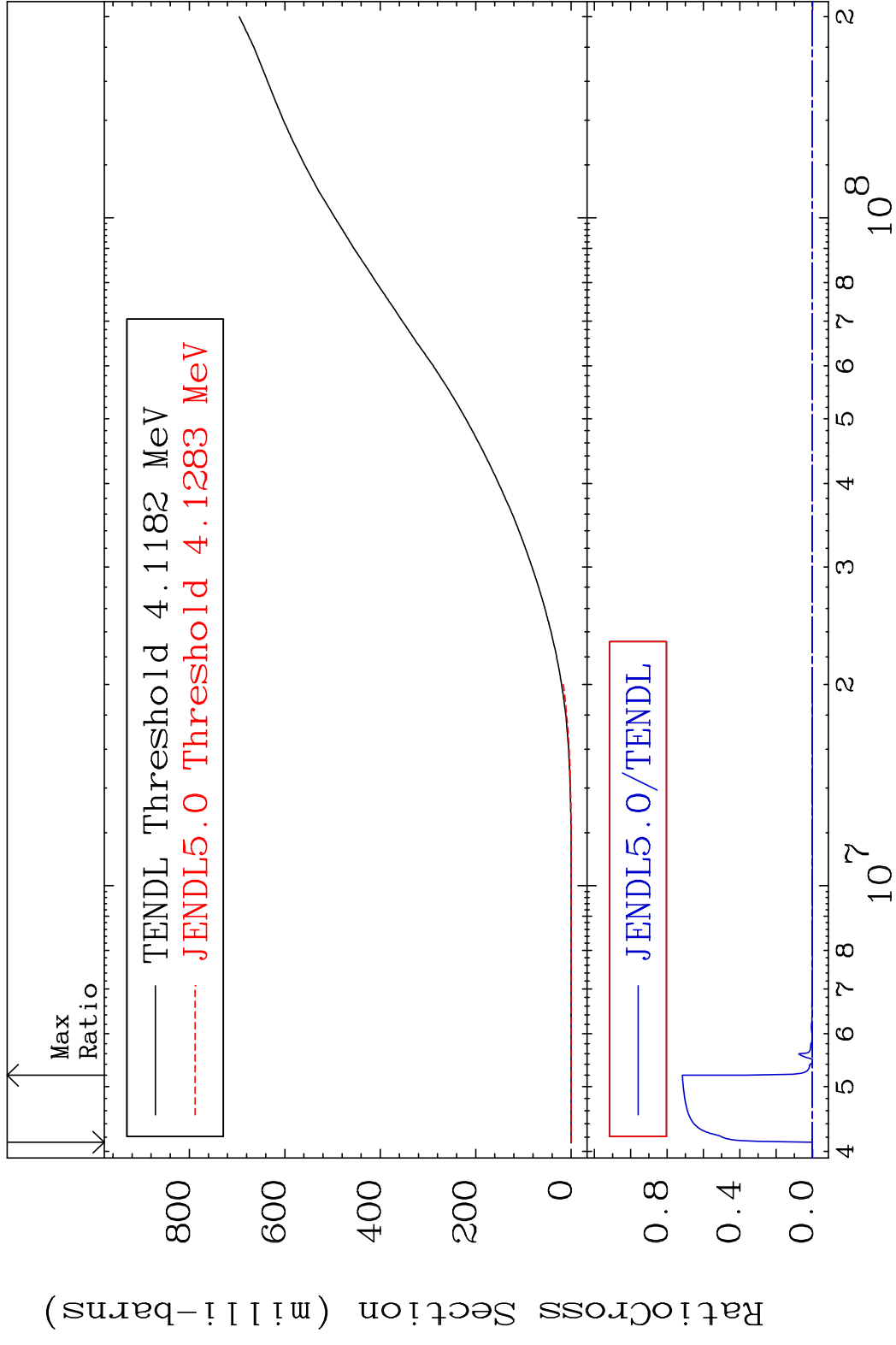


47

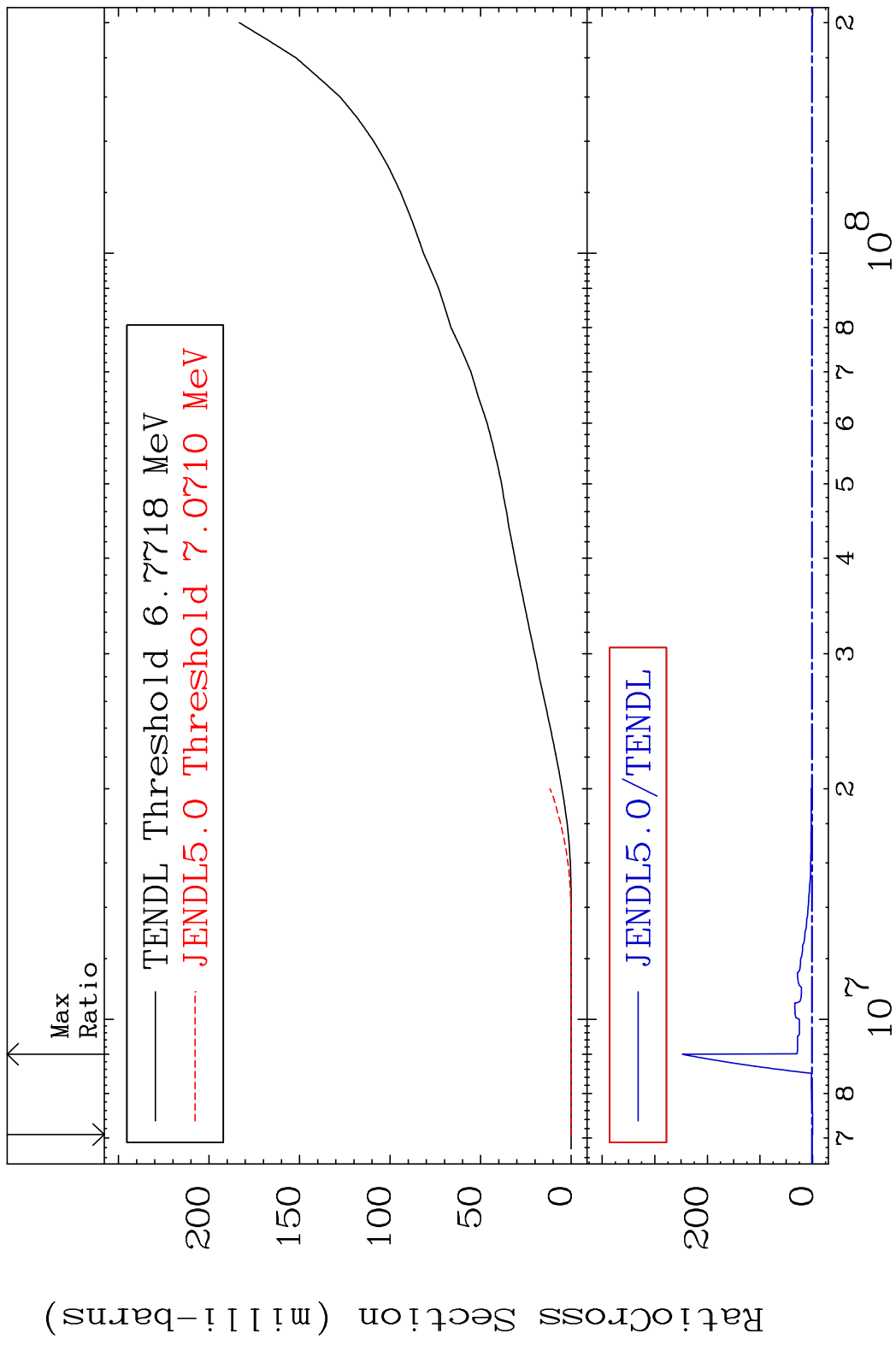
Incident Energy (eV)

60-Nd-148

MAT 6043 Hydrogen Production 60-Nd-148
 Cross Section -100.0 To 9999. %

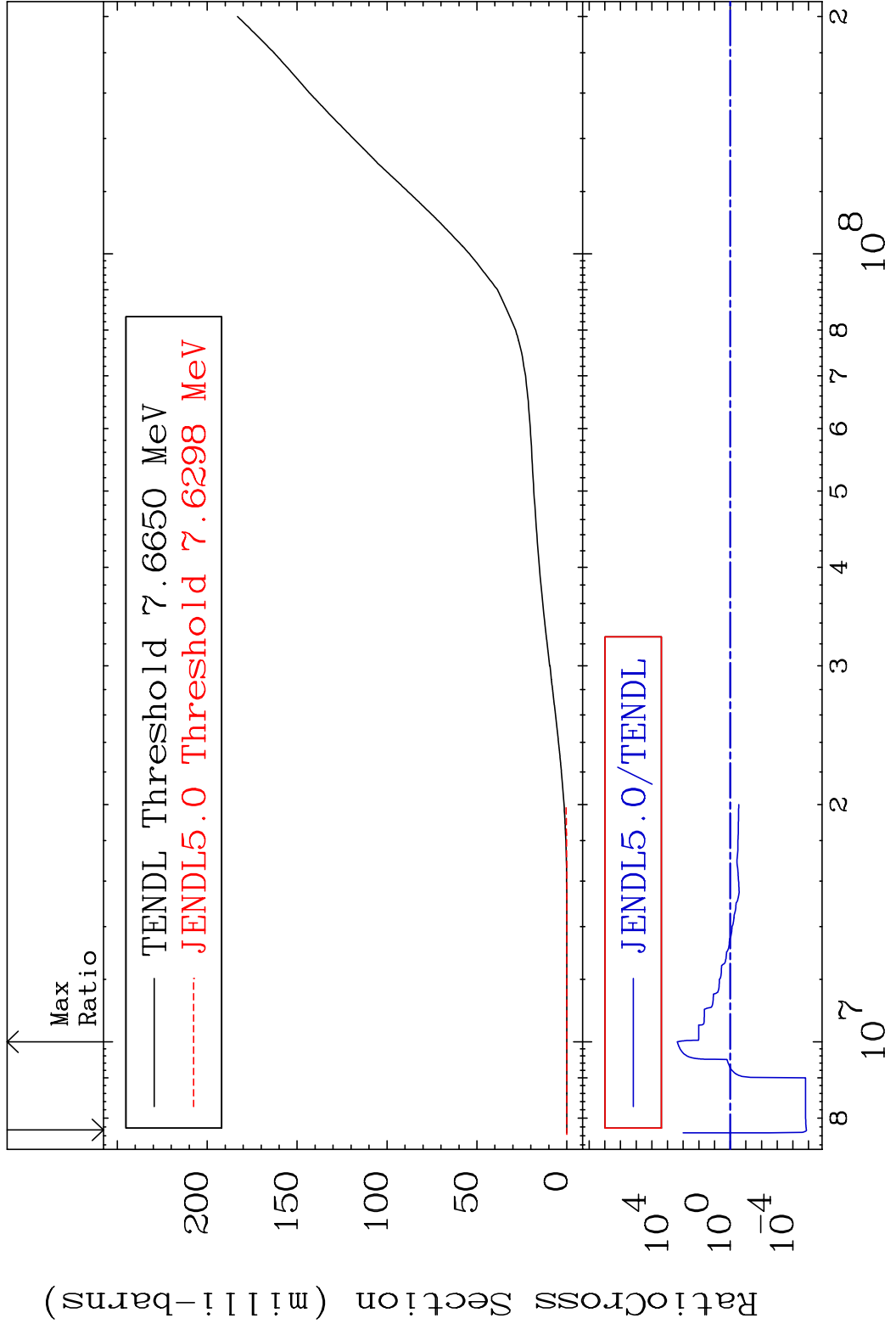


MAT 6043 Deuterium Production 60-Nd-148
 Cross Section -100.0 To 9999. %



49 60-Nd-148

MAT 6043 Tritium Production 60-Nd-148
 Cross Section -100.0 To 9999. %



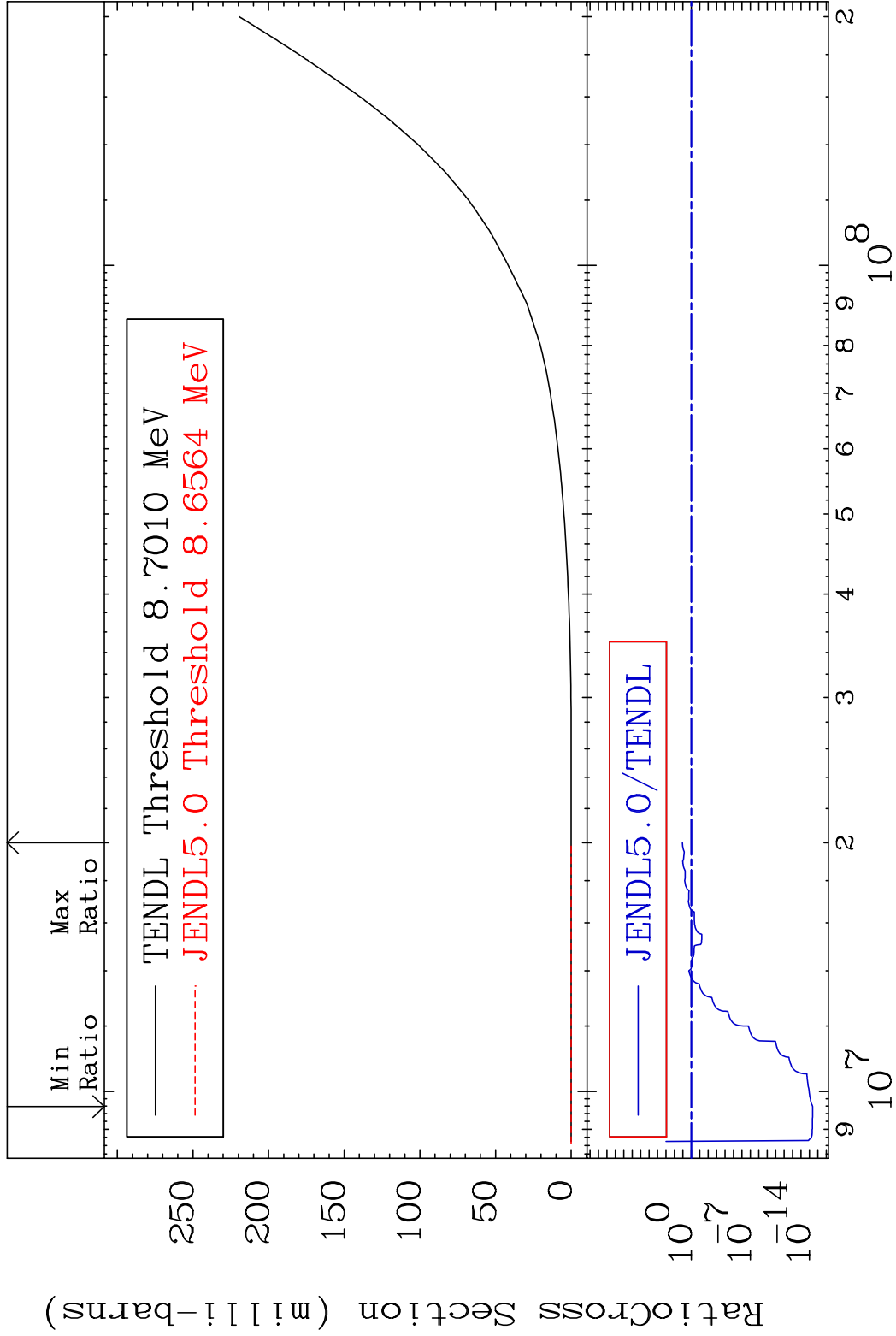
50 60-Nd-148

MAT 6043

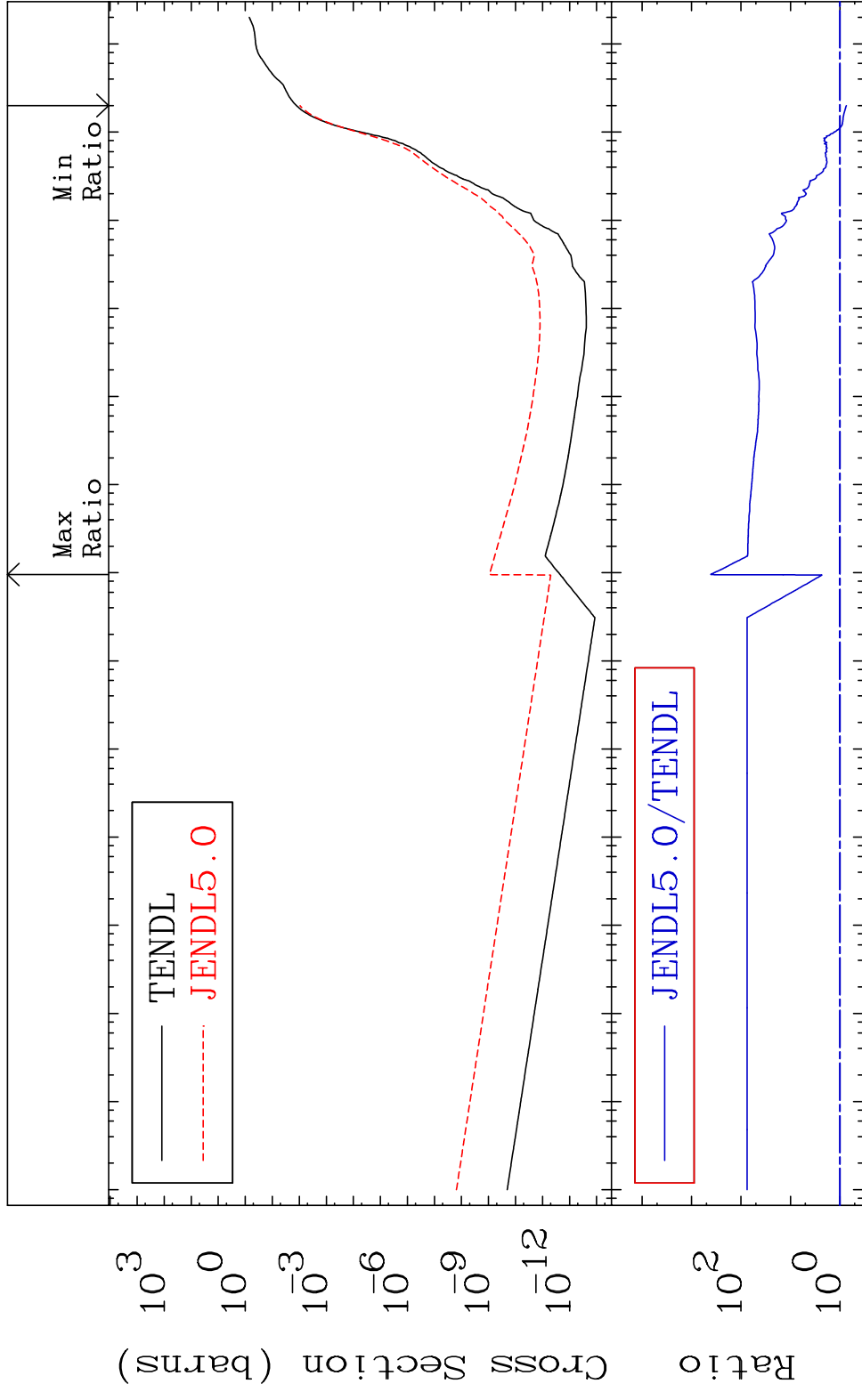
He-3 Production

60-Nd-148

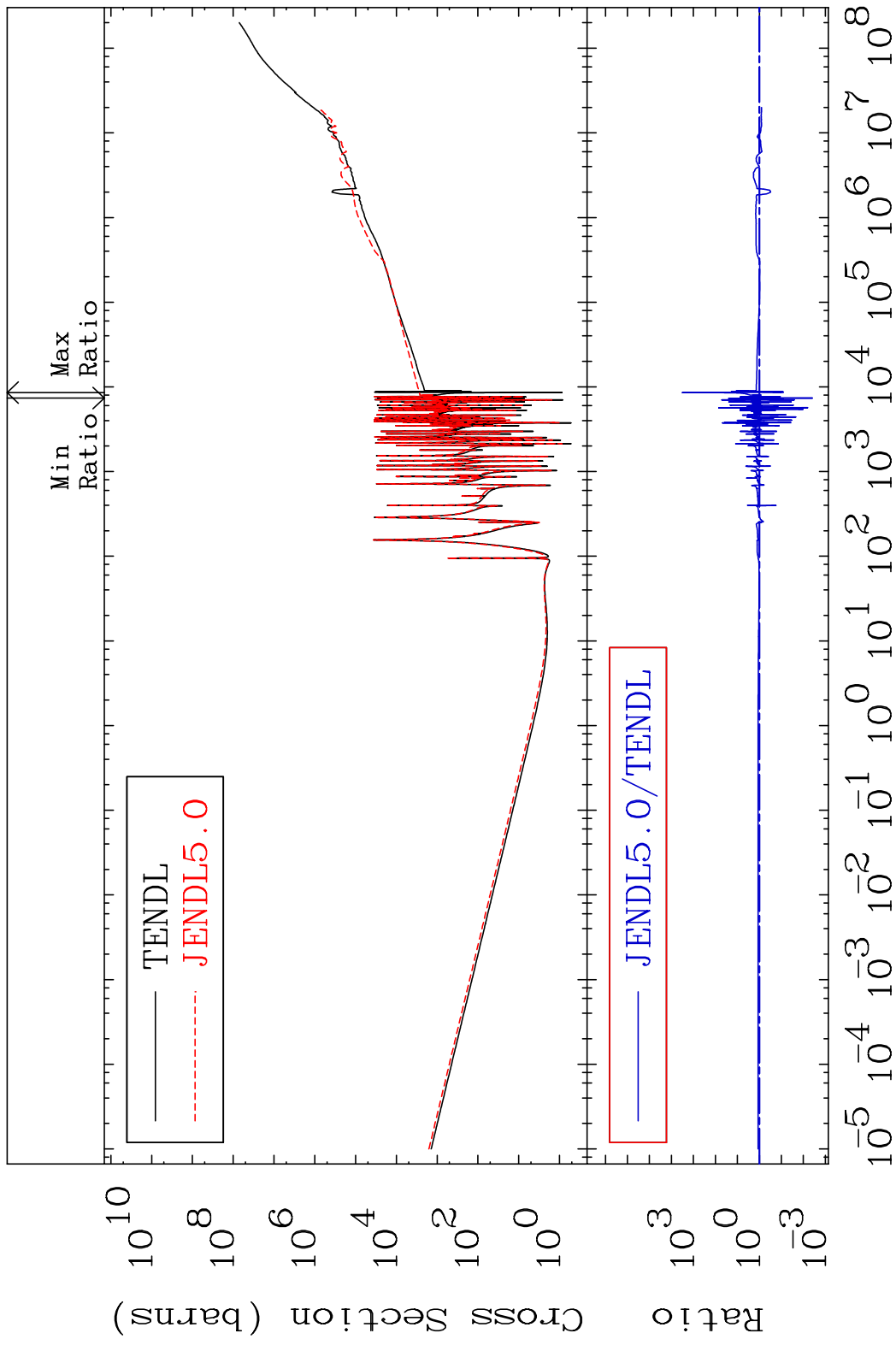
Cross Section -100.0 To 1046. %



MAT 6043 He-4 Production 60-Nd-148
 Cross Section -25.83 To 9999. %



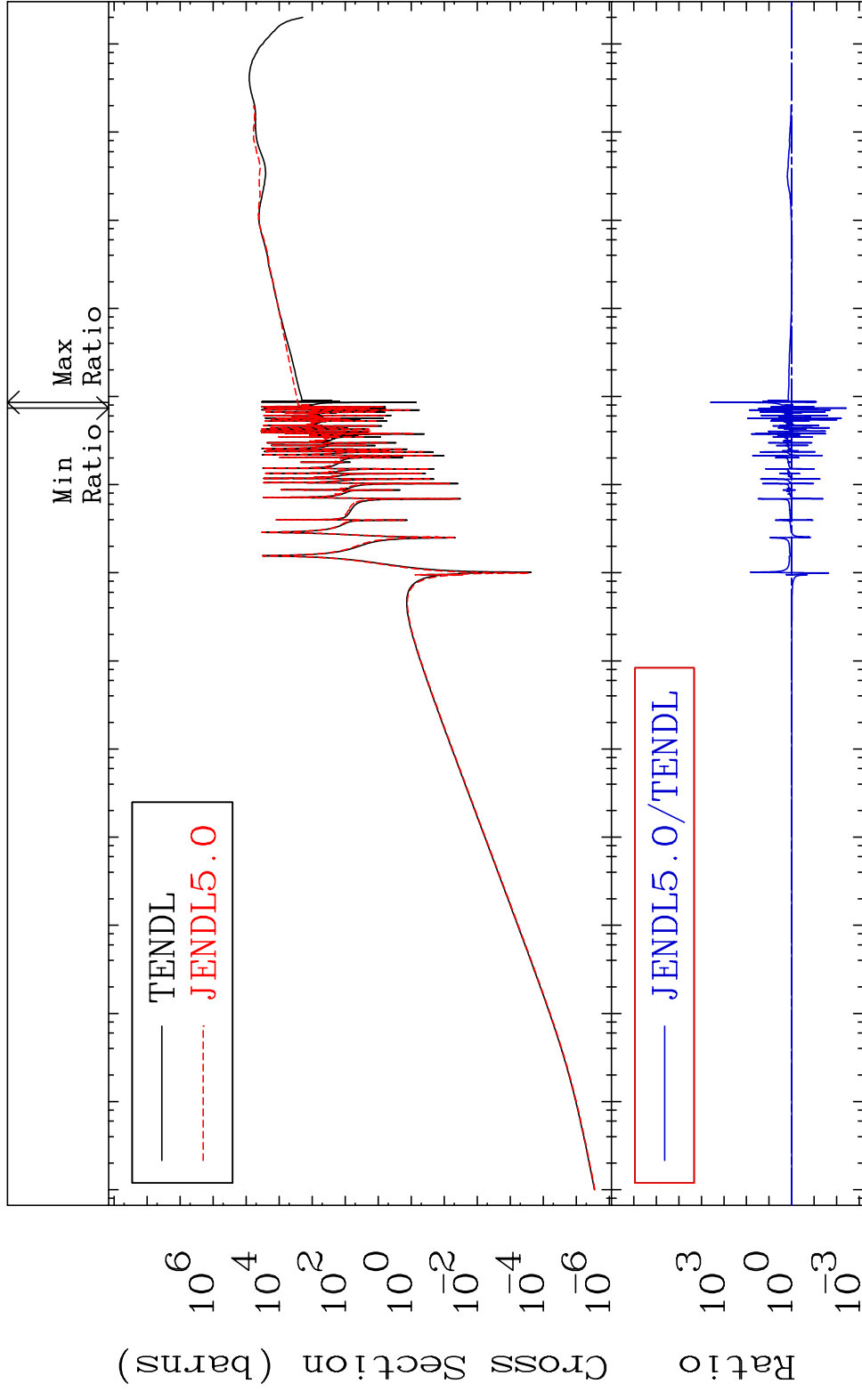
MAT 6043 Kerma total (eV-barns) 60-Nd-148
 Cross Section -99.62 To 9999. %



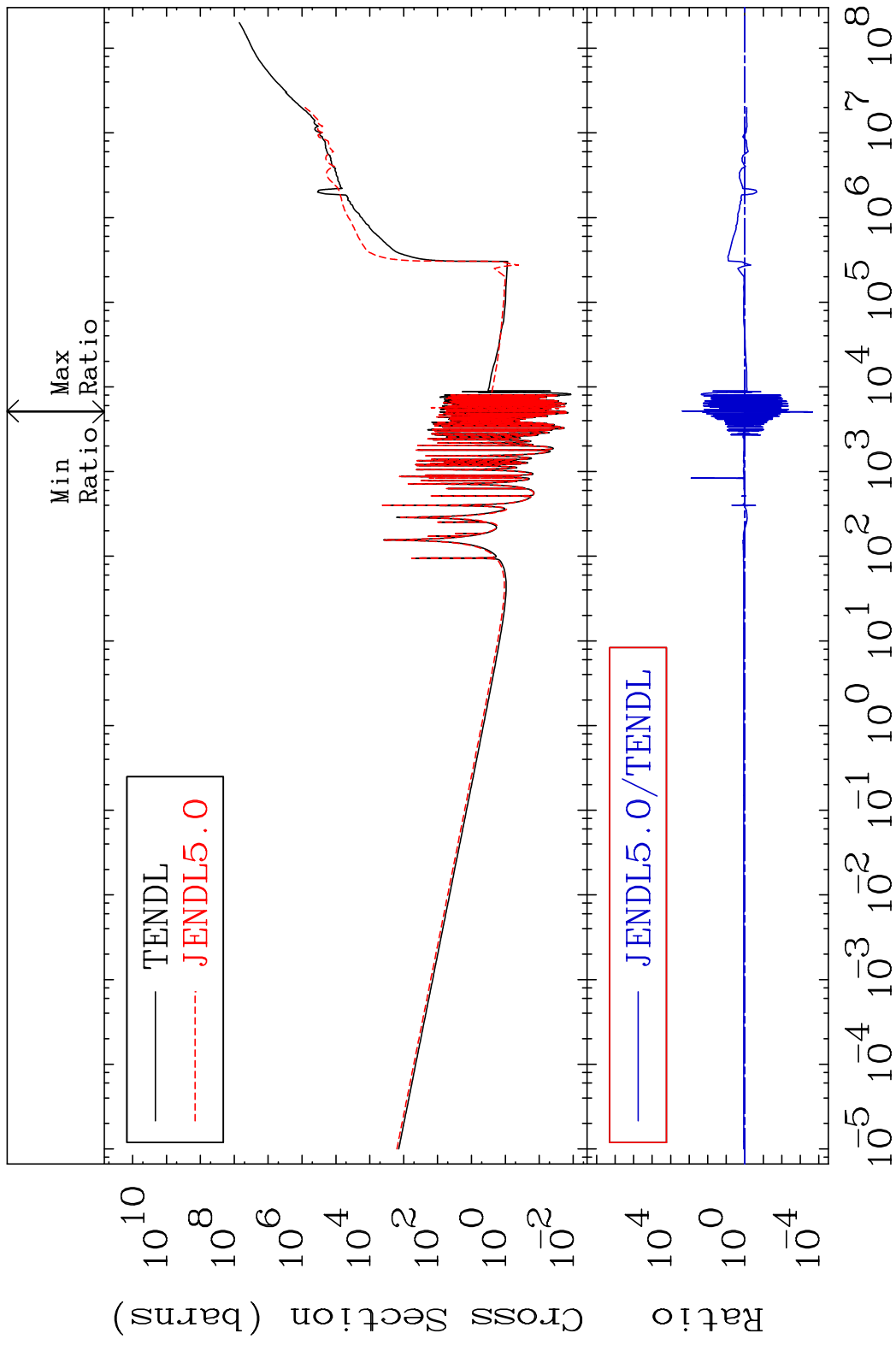
MAT 6043

Kerma elastic
Cross Section

60-Nd-148
-99.63 To 9999. %

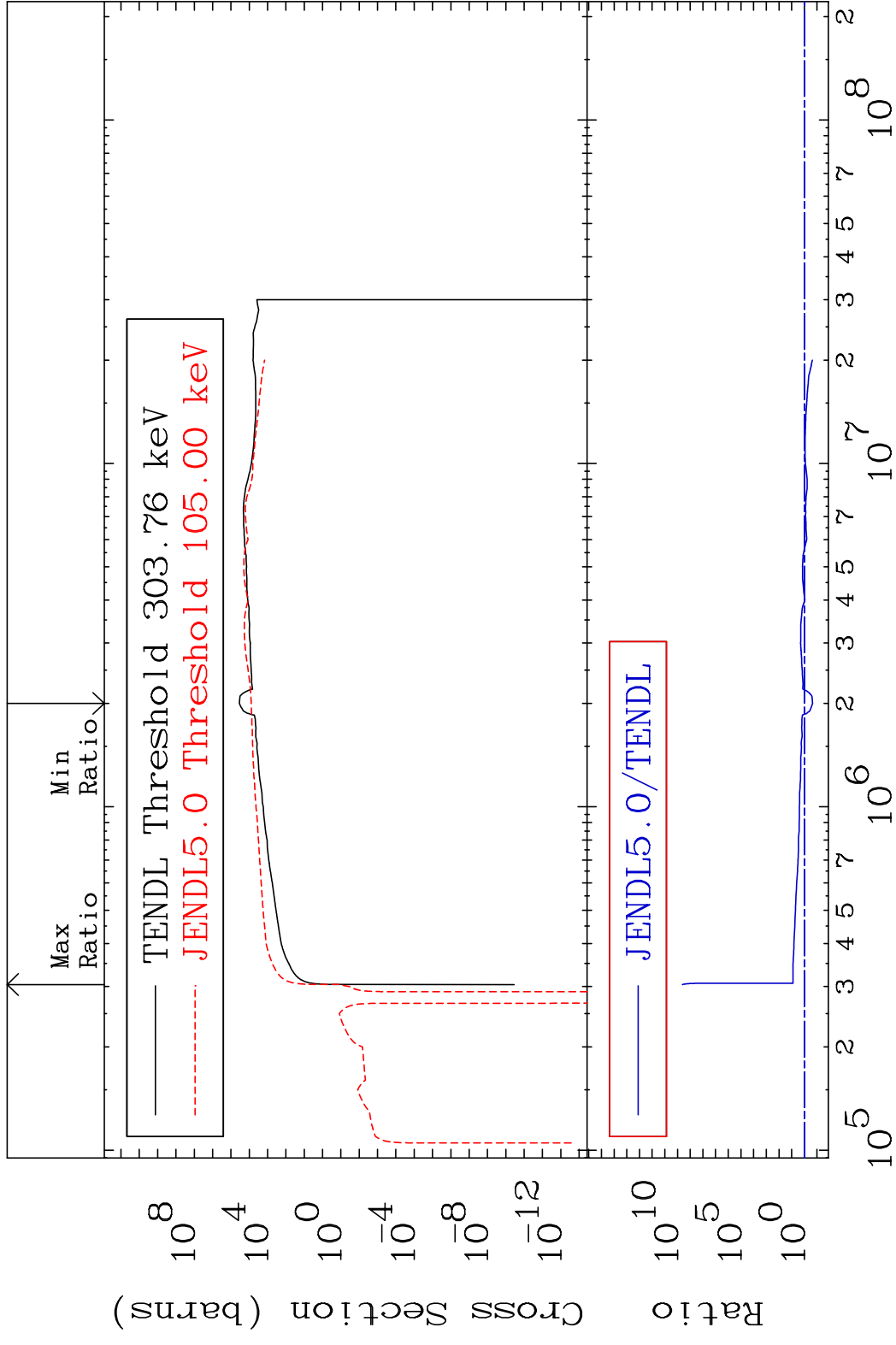


MAT 6043 Kerma non-elastic (all but mt2) 60-Nd-148
 Cross Section -99.98 To 9999. %

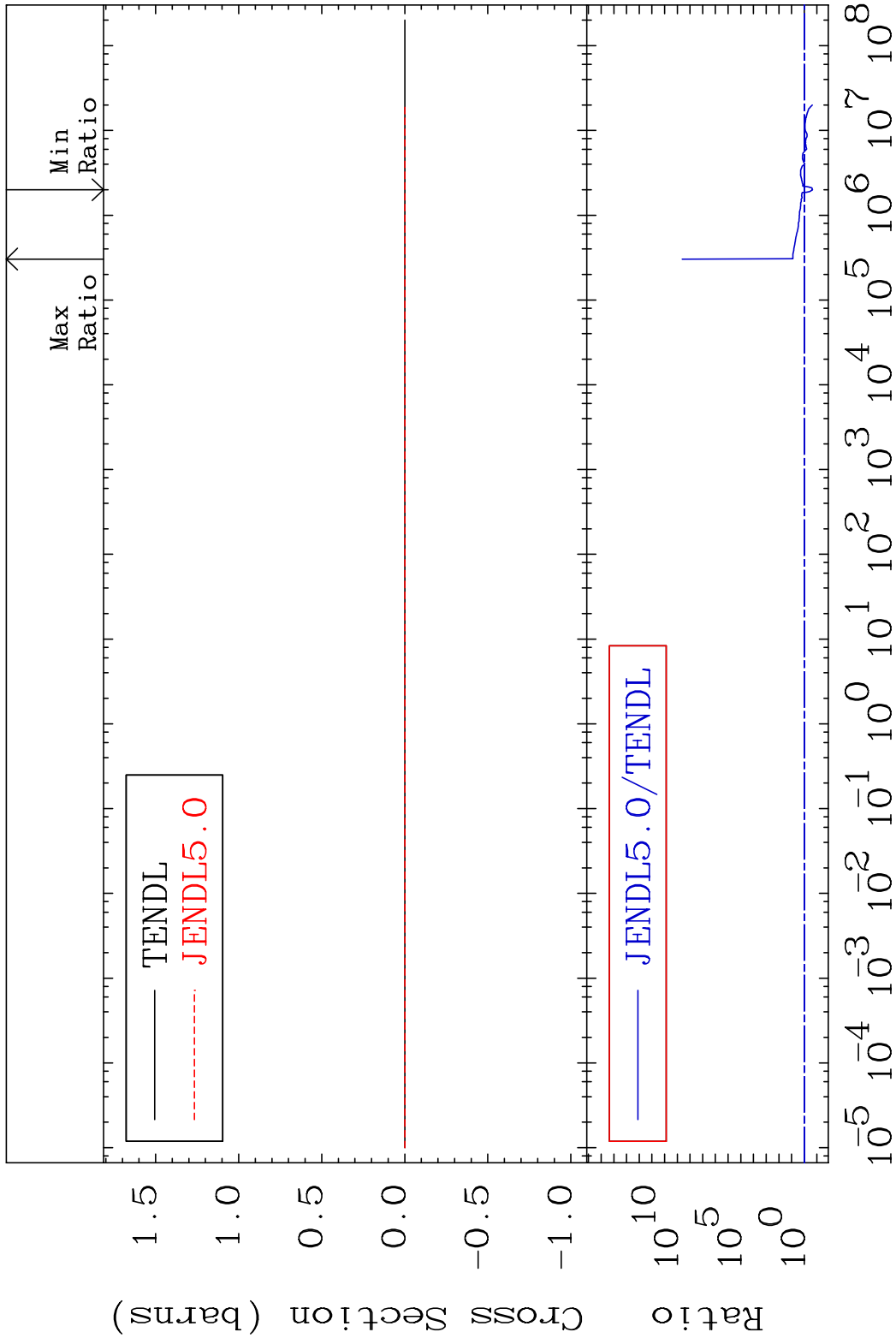


55 Incident Energy (eV) 60-Nd-148

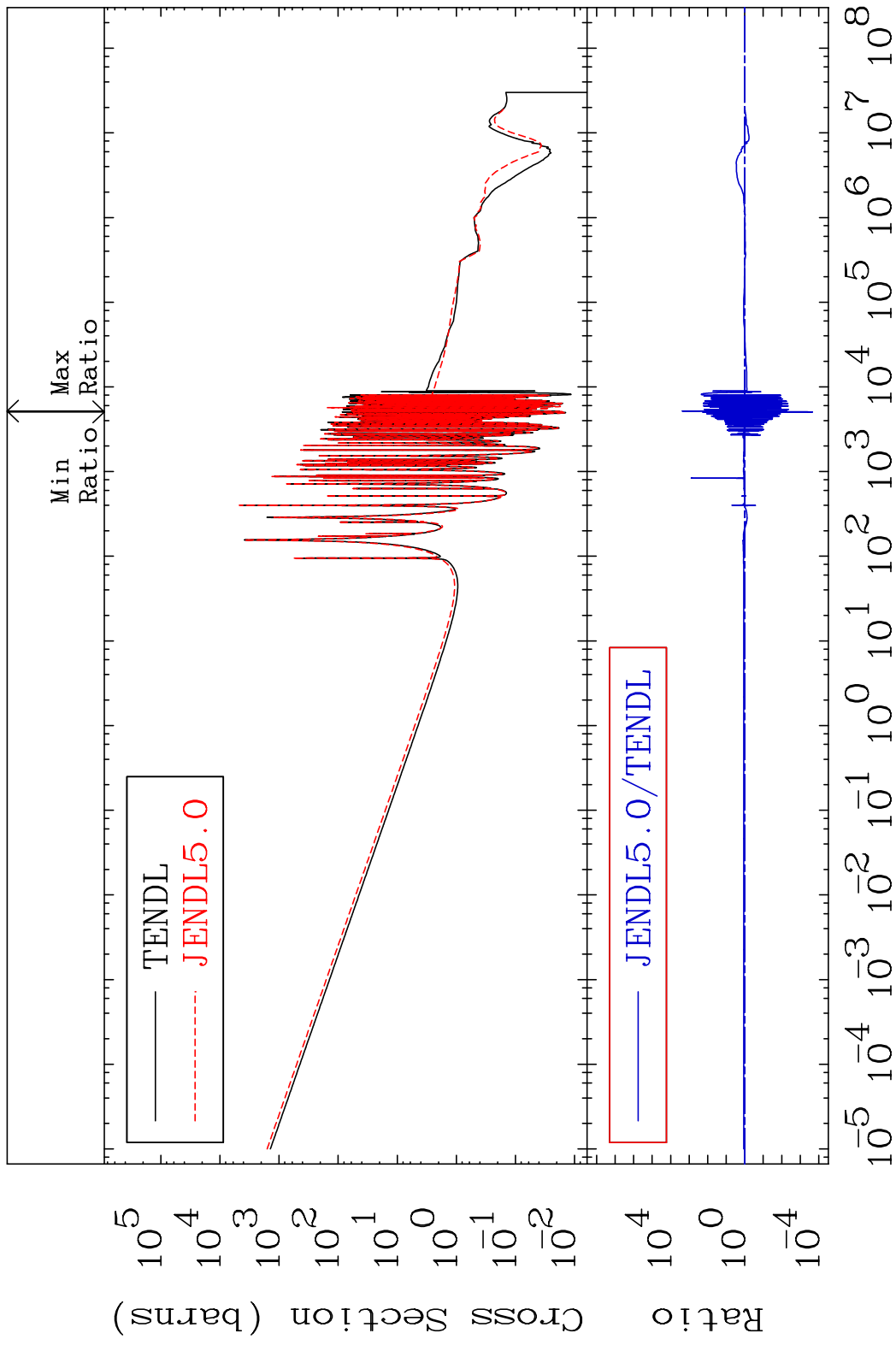
MAT 6043 Kerma inelastic (mt51-91) 60-Nd-148
 Cross Section -77.50 To 9999. %



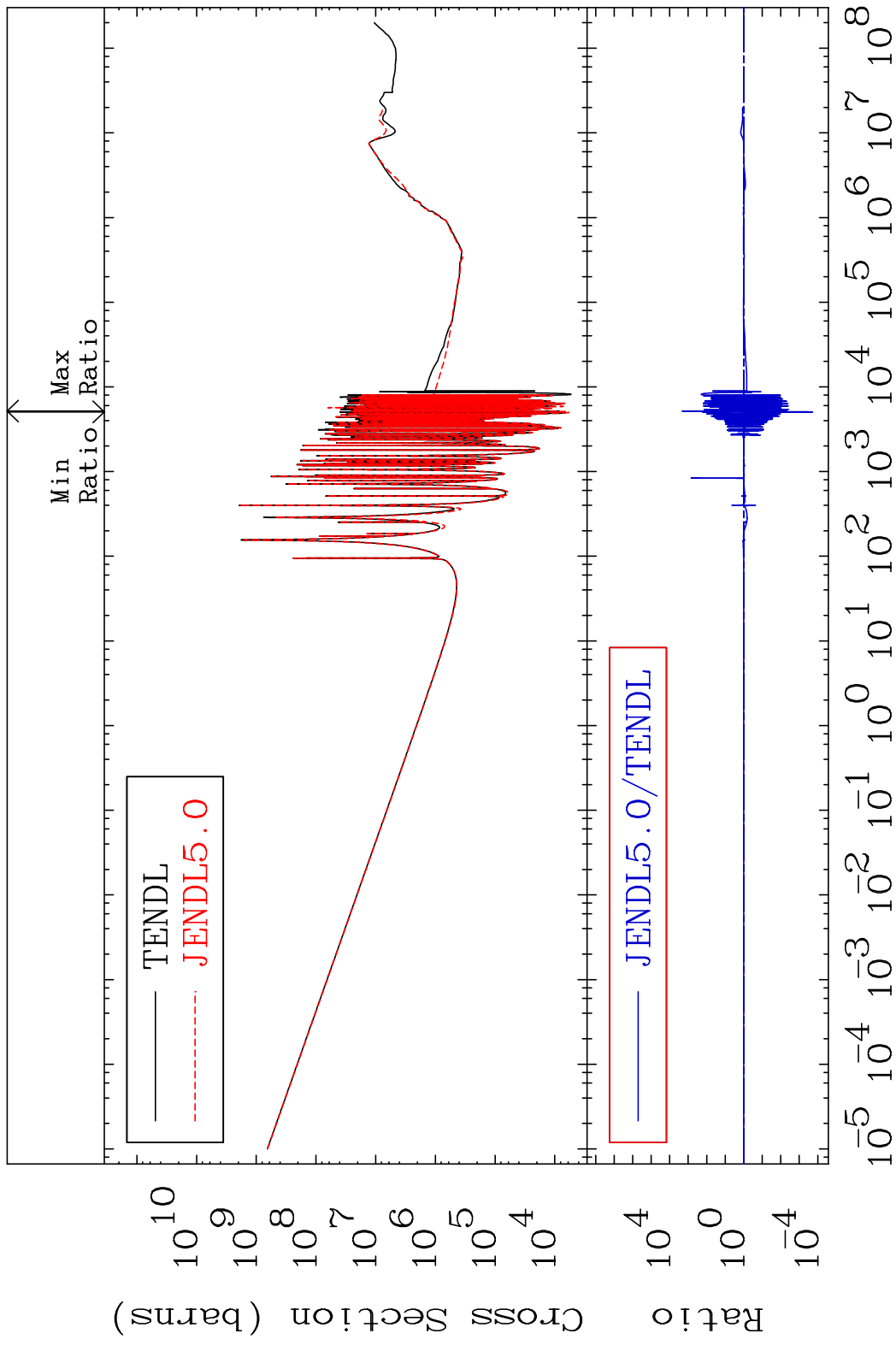
MAT 6043 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-148
 Cross Section -77.50 To 9999. %



MAT 6043 Kerma capture (mt102) 60-Nd-148
 Cross Section -99.98 To 9999. %

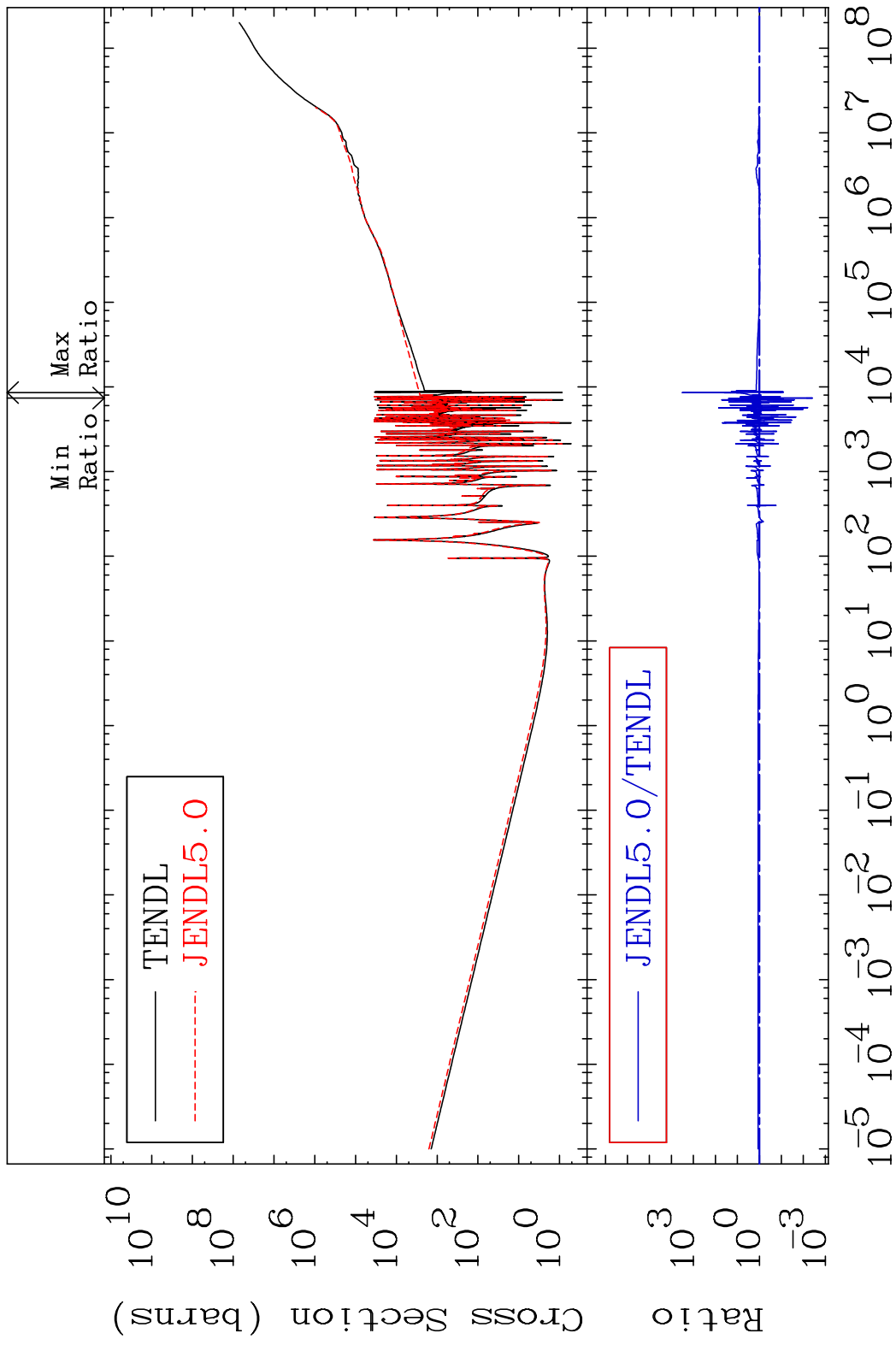


MAT 6043 Total photon (eV-barns) 60-Nd-148
Cross Section -99.98 To 9999. %



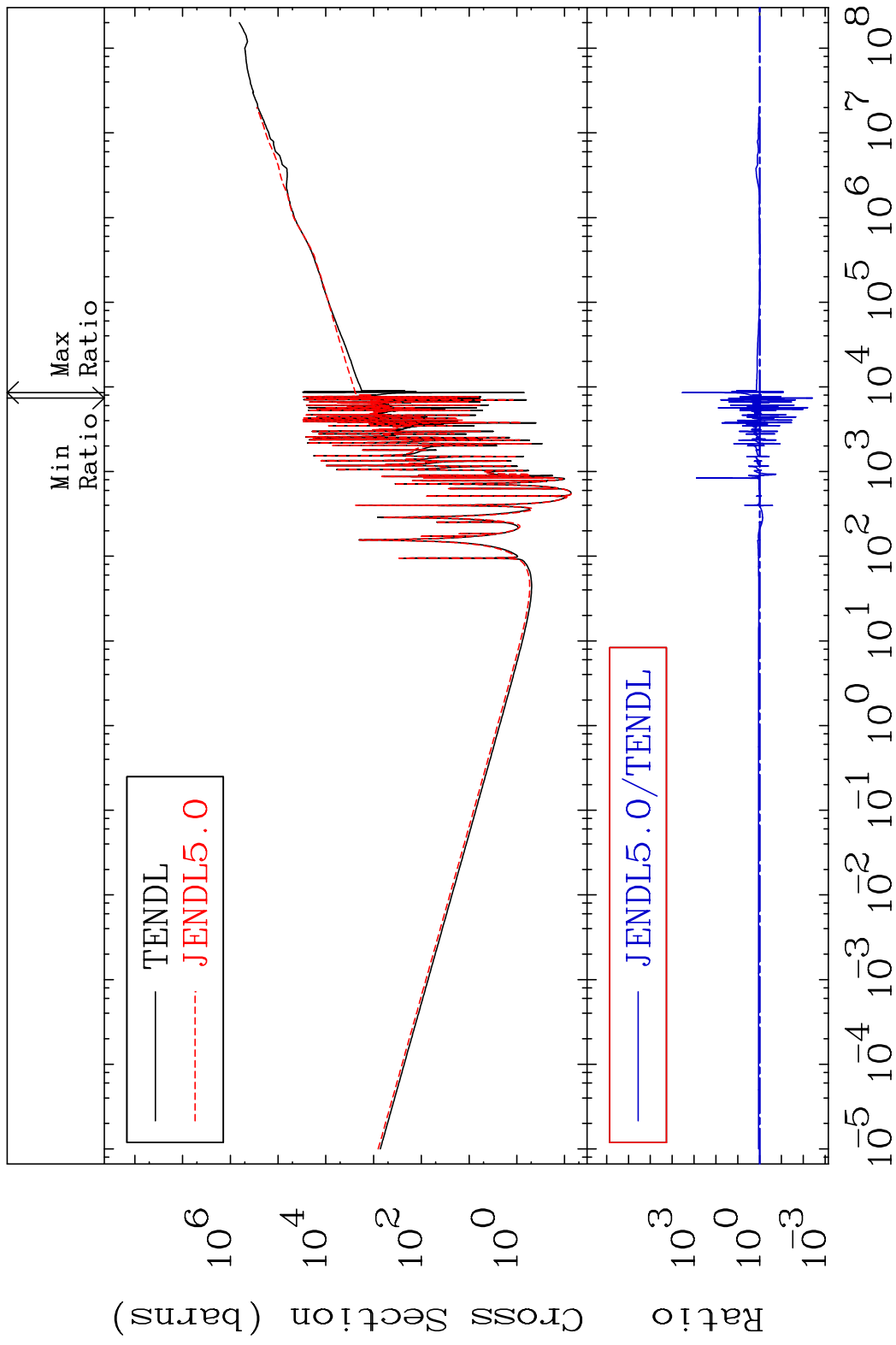
59 Incident Energy (eV) 60-Nd-148

MAT 6043 Total kinematic kerma (high limit) 60-Nd-148
Cross Section -99.62 To 9999. %



60 Incident Energy (eV) 60-Nd-148

MAT 6043 Dpa total (eV-barns) 60-Nd-148
 Cross Section -99.62 To 9999. %



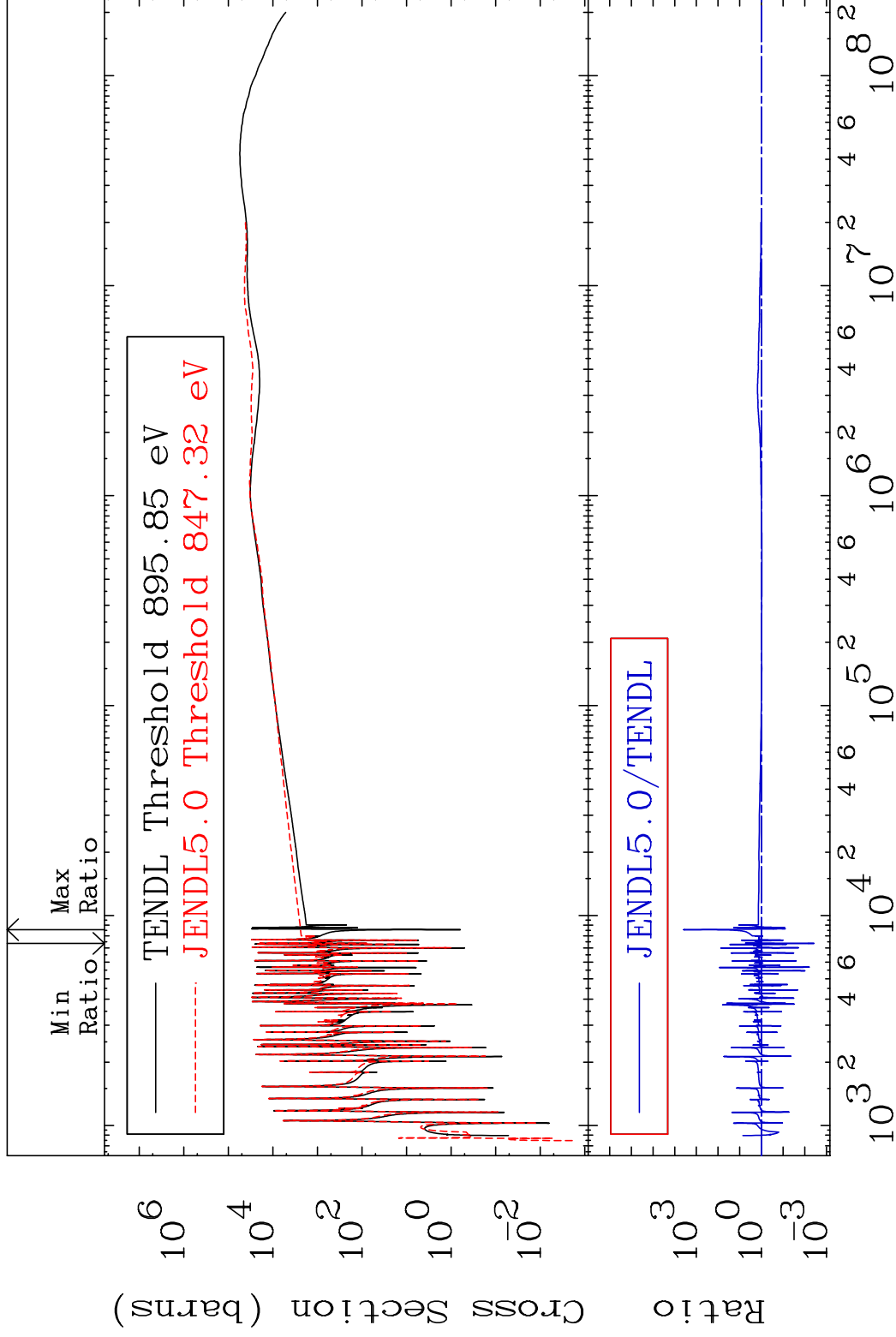
61 Incident Energy (eV) 60-Nd-148

MAT 6043

Dpa elastic (mt2)

60-Nd-148

Cross Section -99.63 To 9999. %

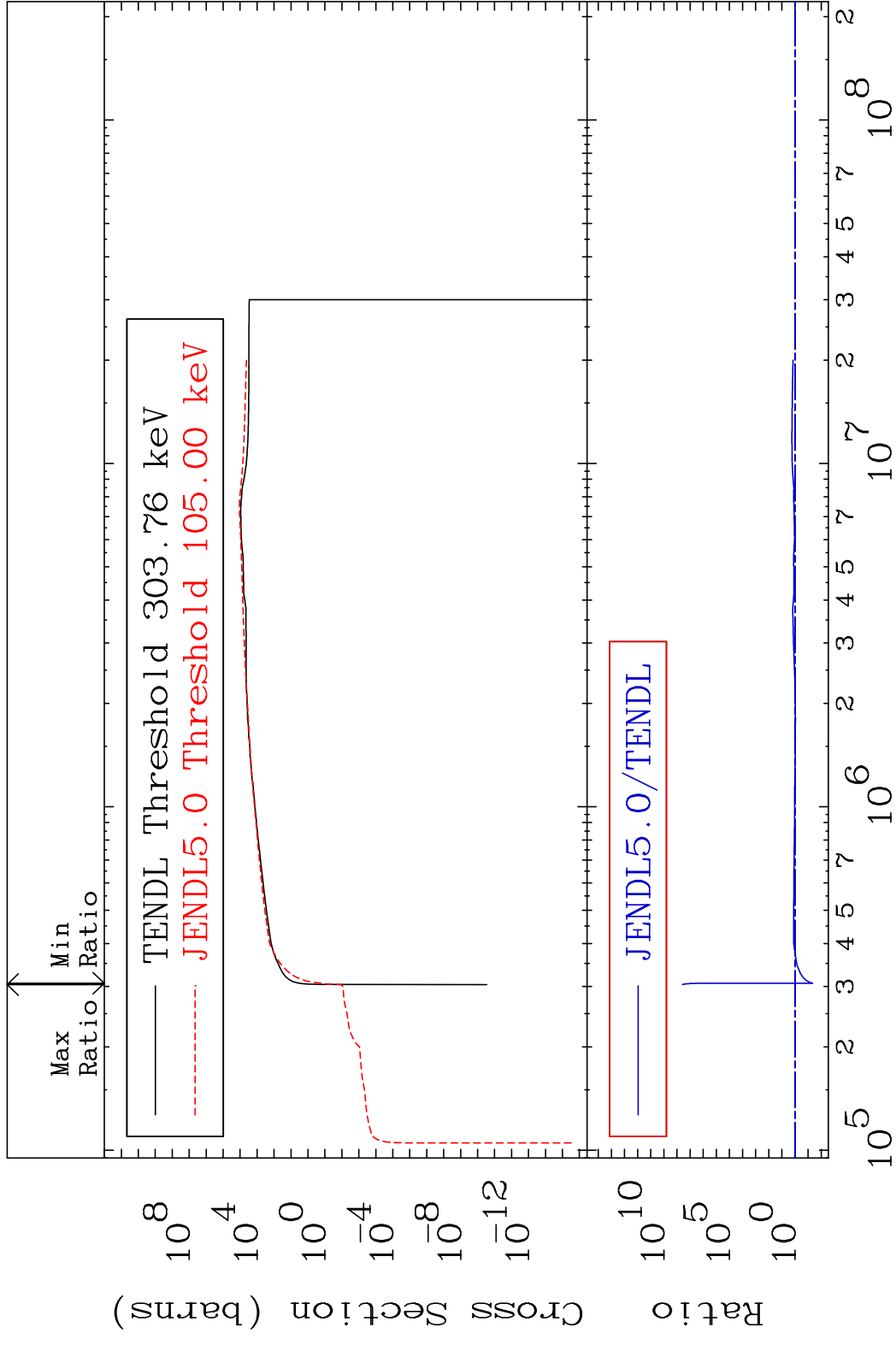


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Incident Energy (eV)

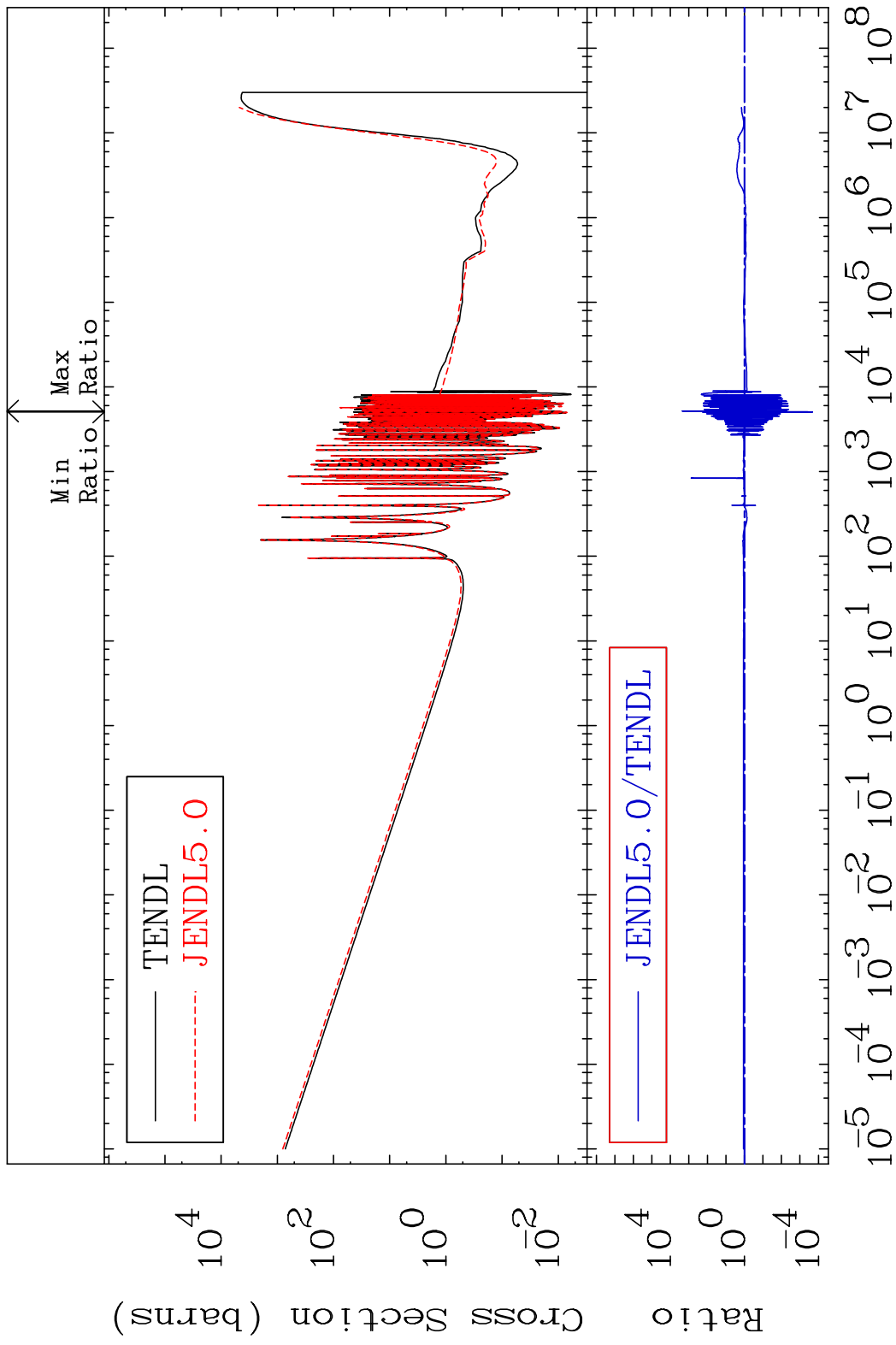
60-Nd-148

MAT 6043 Dpa inelastic (mt51-91) 60-Nd-148
 Cross Section -95.46 To 9999. %



63 Incident Energy (eV) 60-Nd-148

MAT 6043 Dpa disappearance (mt102 -120) 60-Nd-148
 Cross Section -99.98 To 9999. %

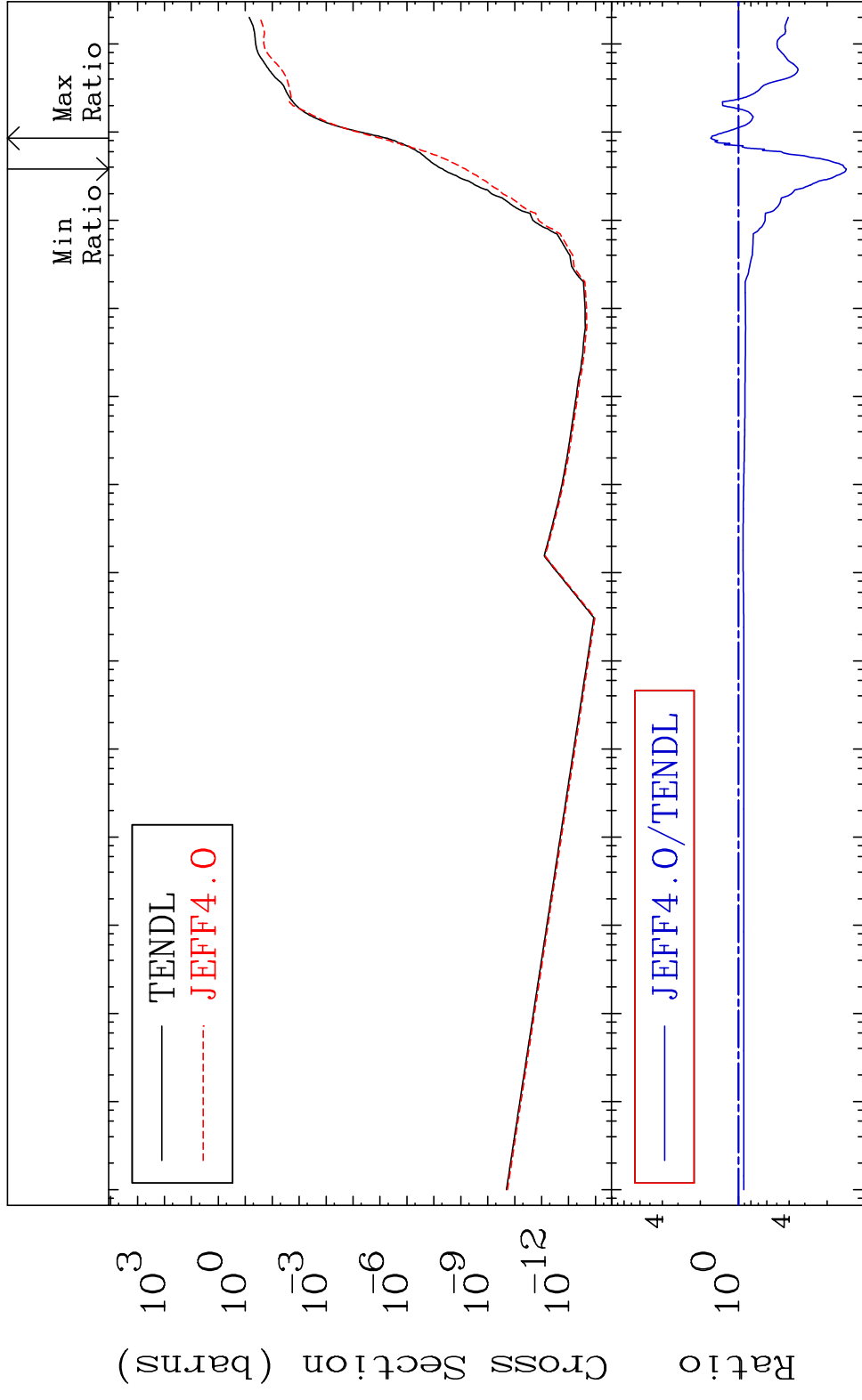


MAT 6043

He-4 Production

60-Nd-148

Cross Section -85.86 To 65.86 %

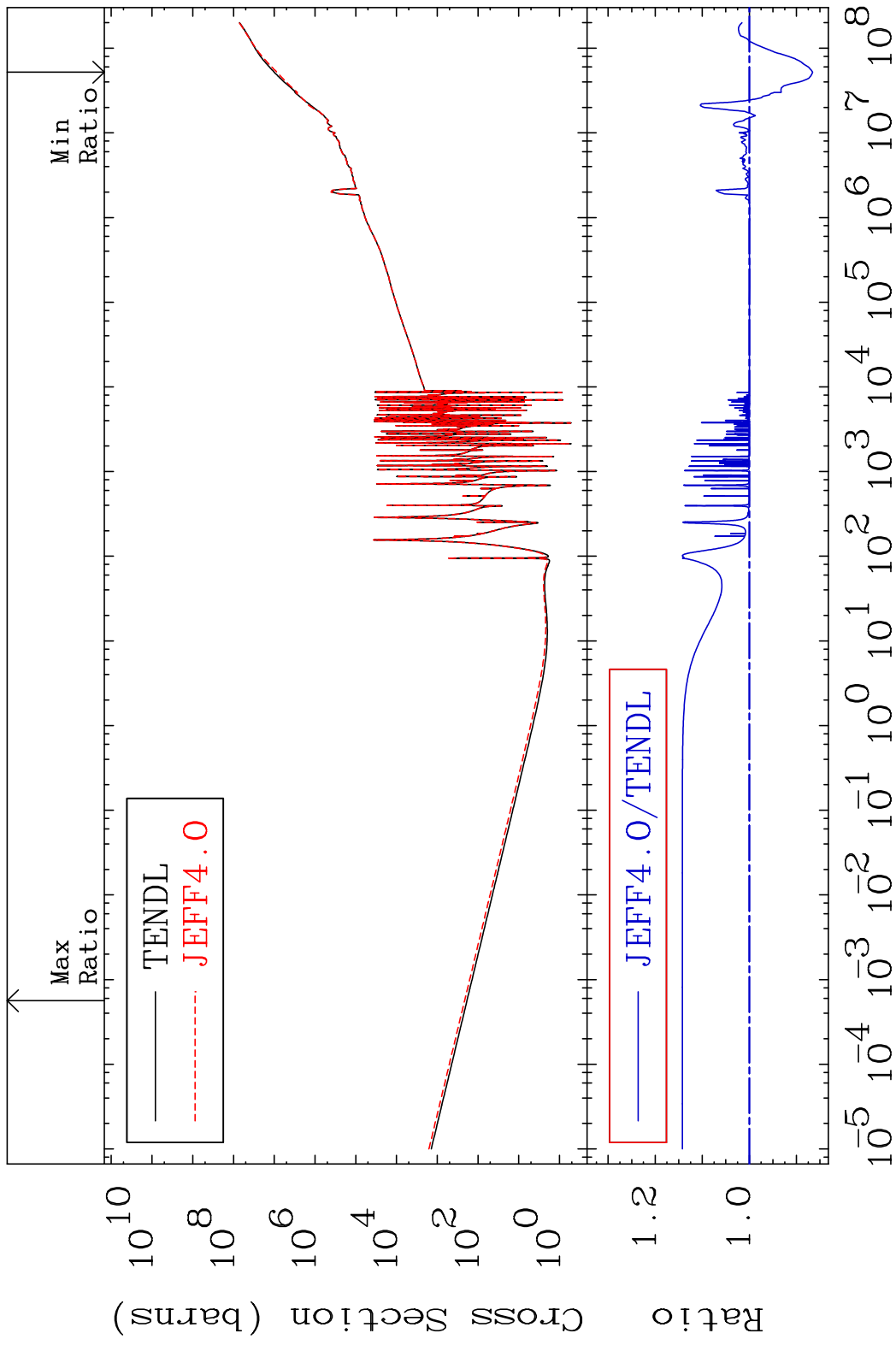


65

Incident Energy (eV)

60-Nd-148

MAT 6043 Kerma total (eV-barns) 60-Nd-148
 Cross Section -13.42 To 14.23 %



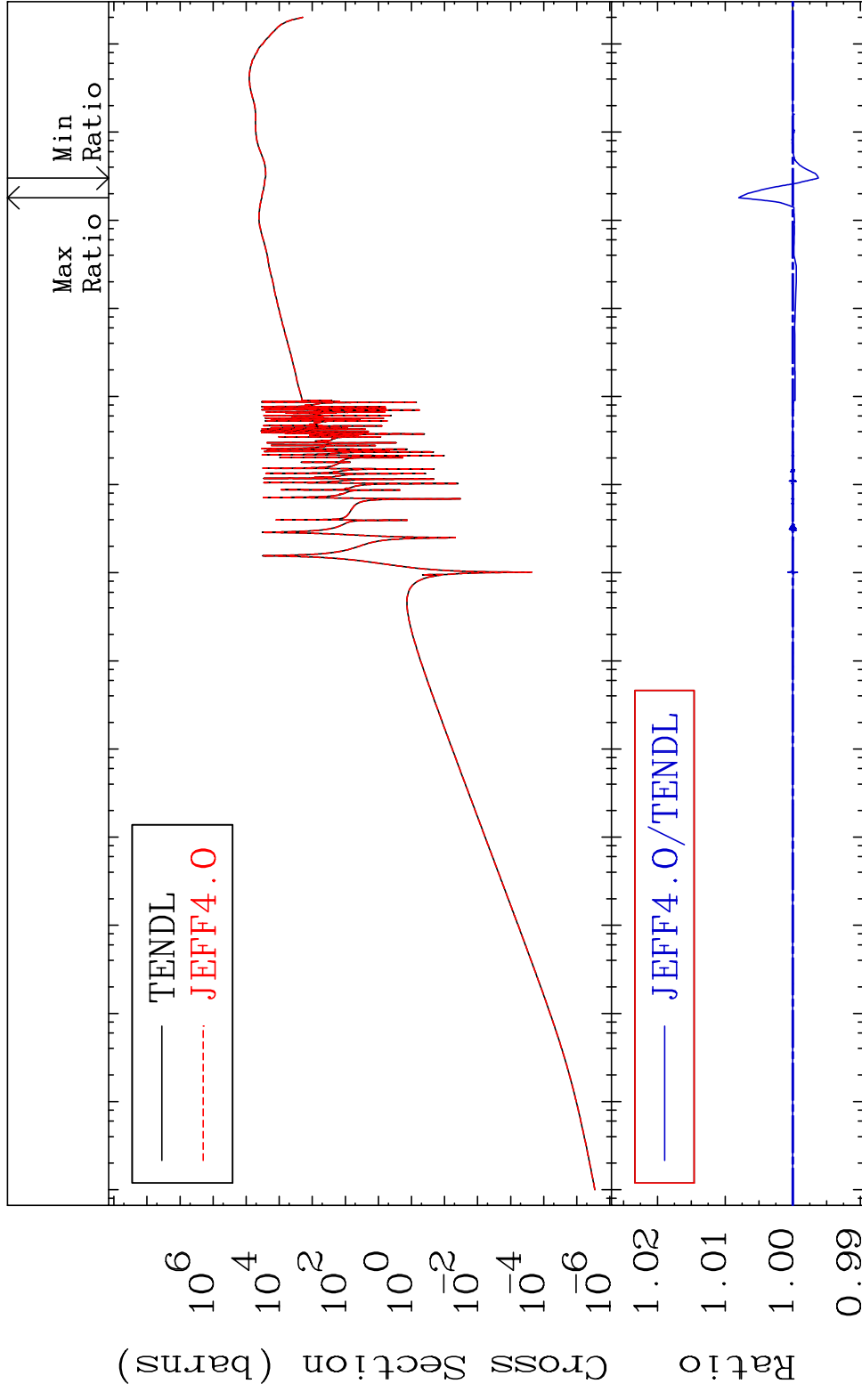
MAT 6043

Kerma elastic

60-Nd-148

Cross Section

-0.376 To 0.798 %

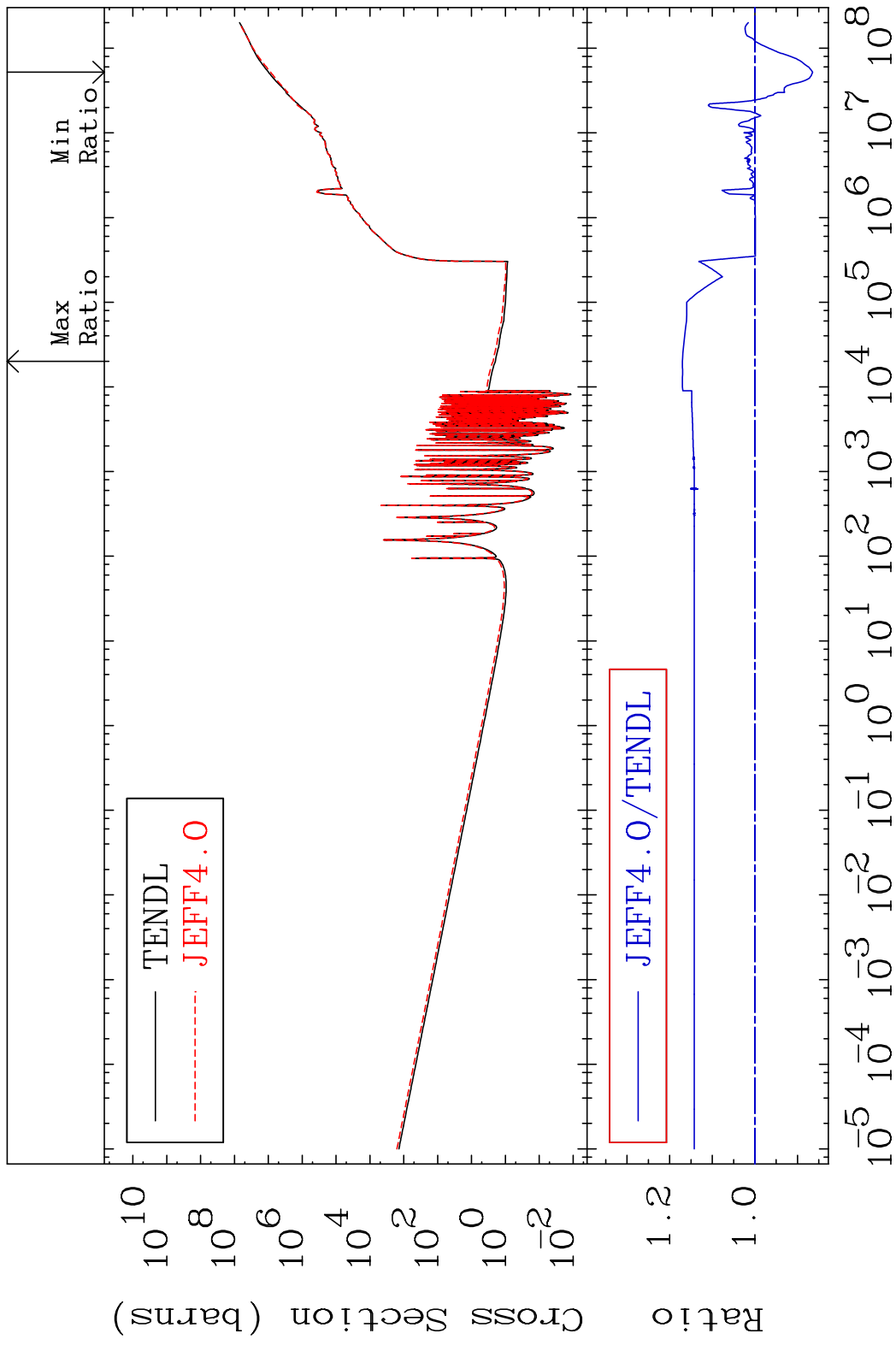


67

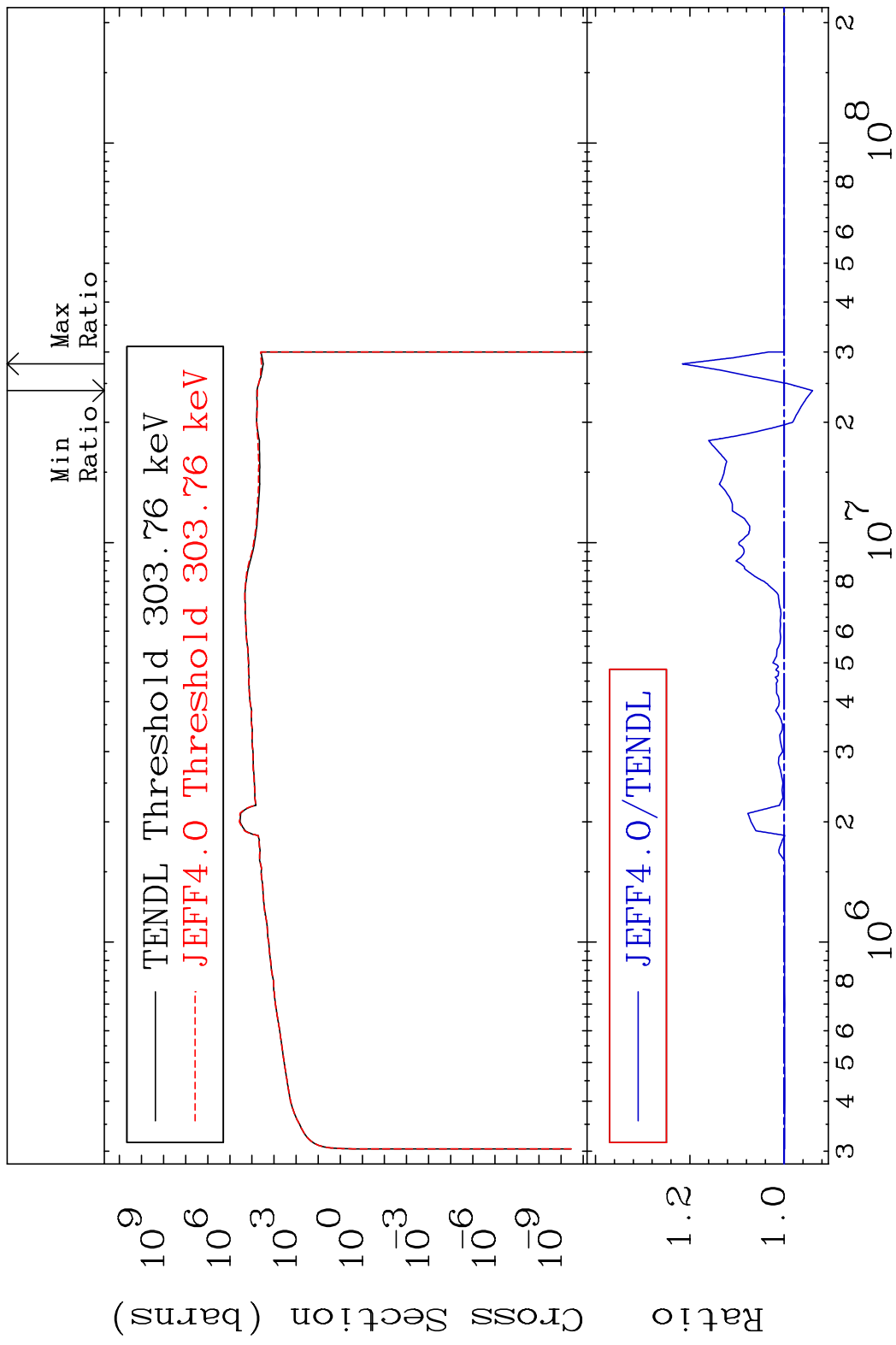
Incident Energy (eV)

60-Nd-148

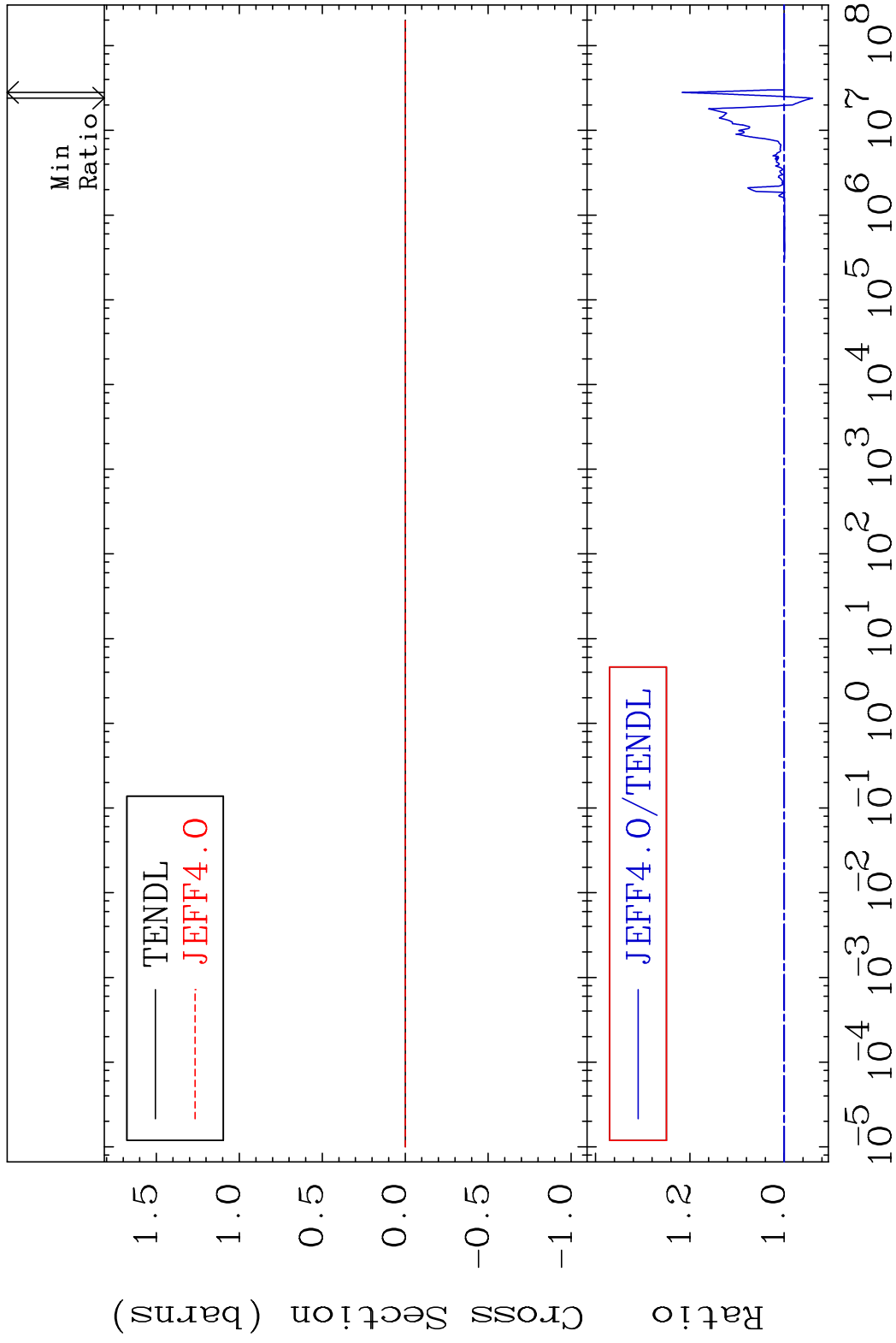
MAT 6043 Kerma non-elastic (all but mt2) 60-Nd-148
 Cross Section -13.52 To 17.03 %



MAT 6043 Kerma inelastic (mt51-91) 60-Nd-148
 Cross Section -6.011 To 21.59 %



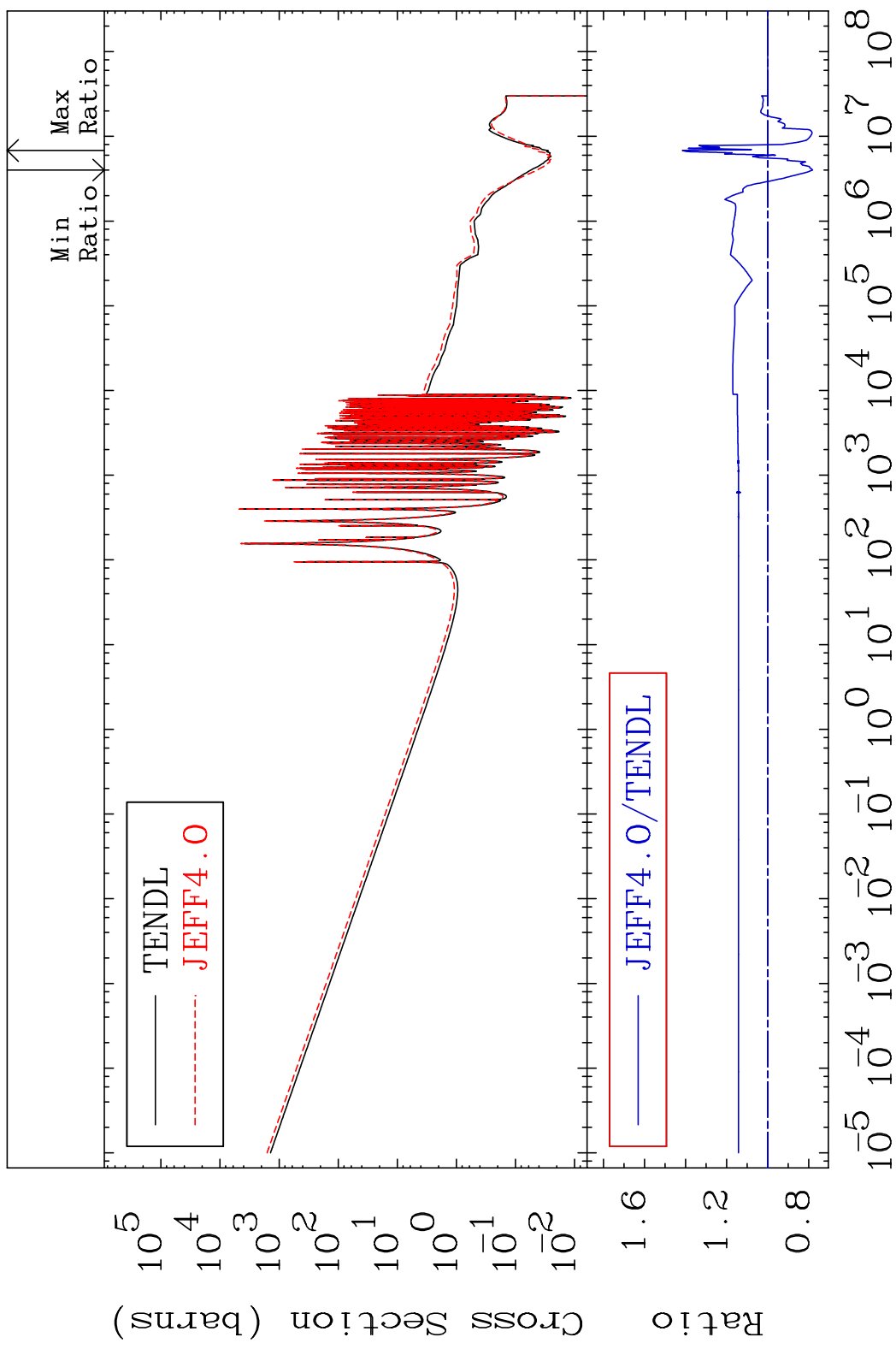
MAT 6043 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-148
 Cross Section -6.011 To 21.59 %



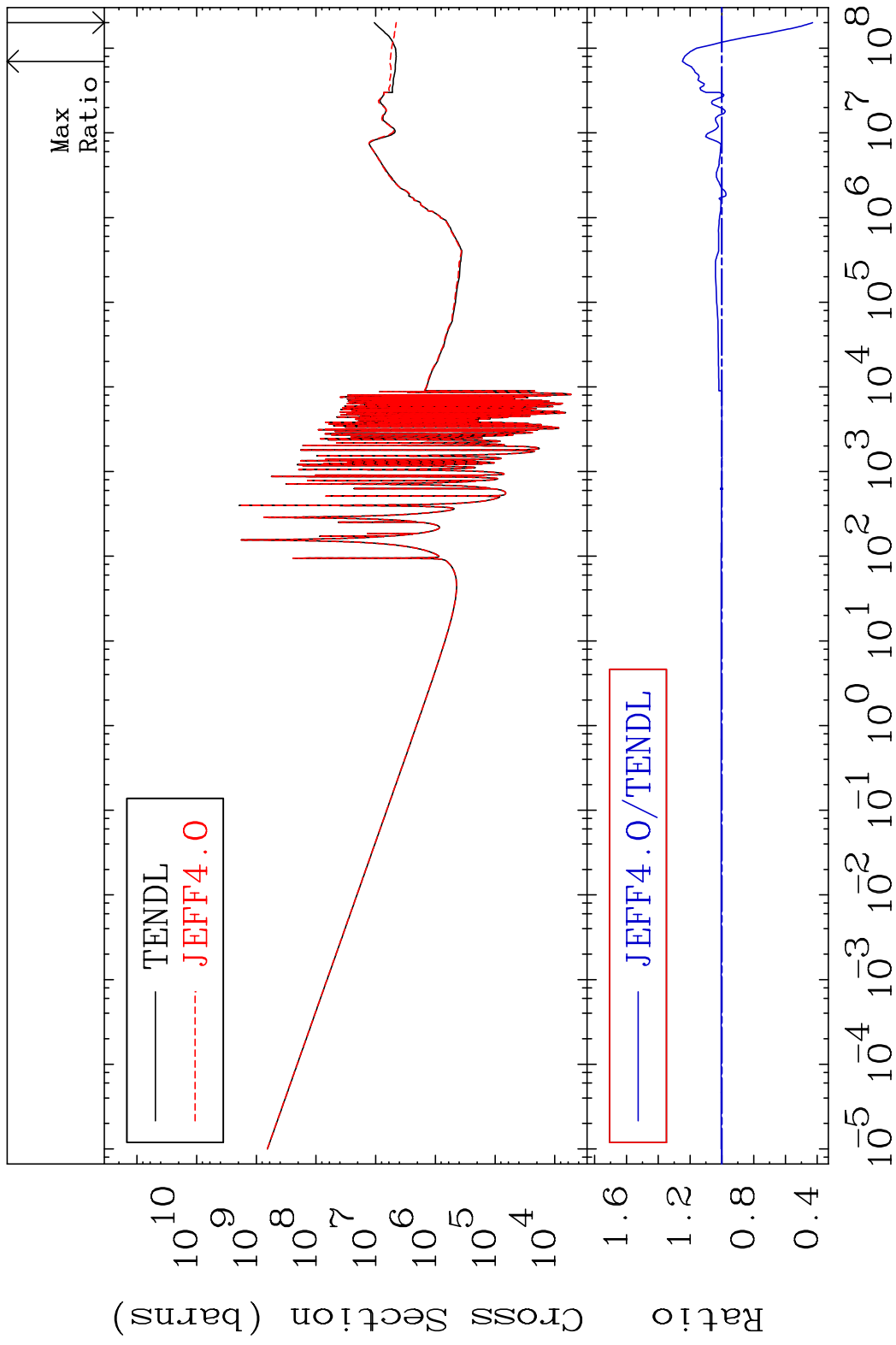
70 Incident Energy (eV) 60-Nd-148

MAT 6043

Kerma capture (mt102) 60-Nd-148
Cross Section -21.85 To 41.61 %

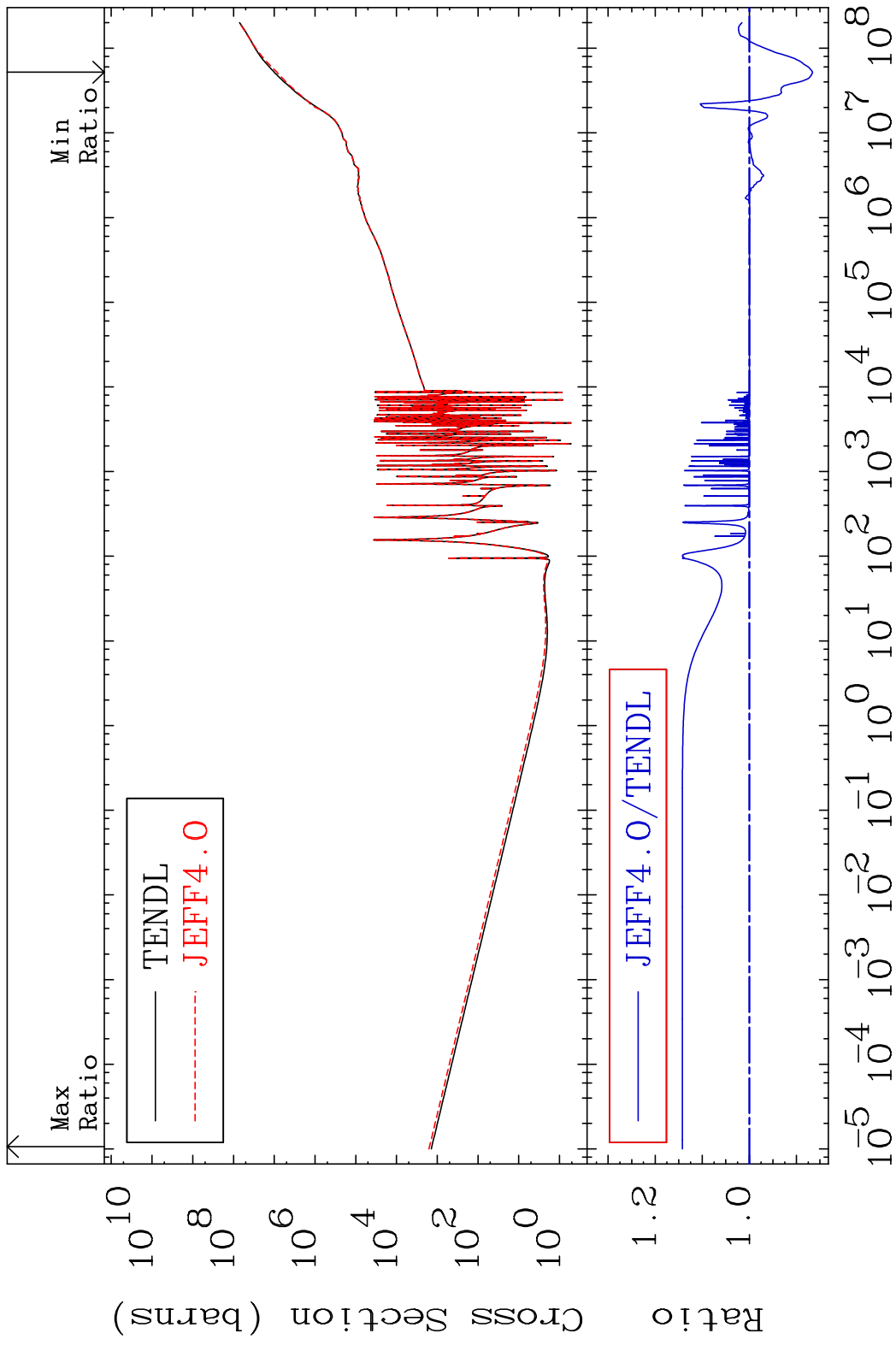


MAT 6043 Total photon (eV-barns) 60-Nd-148
 Cross Section -57.04 To 24.85 %

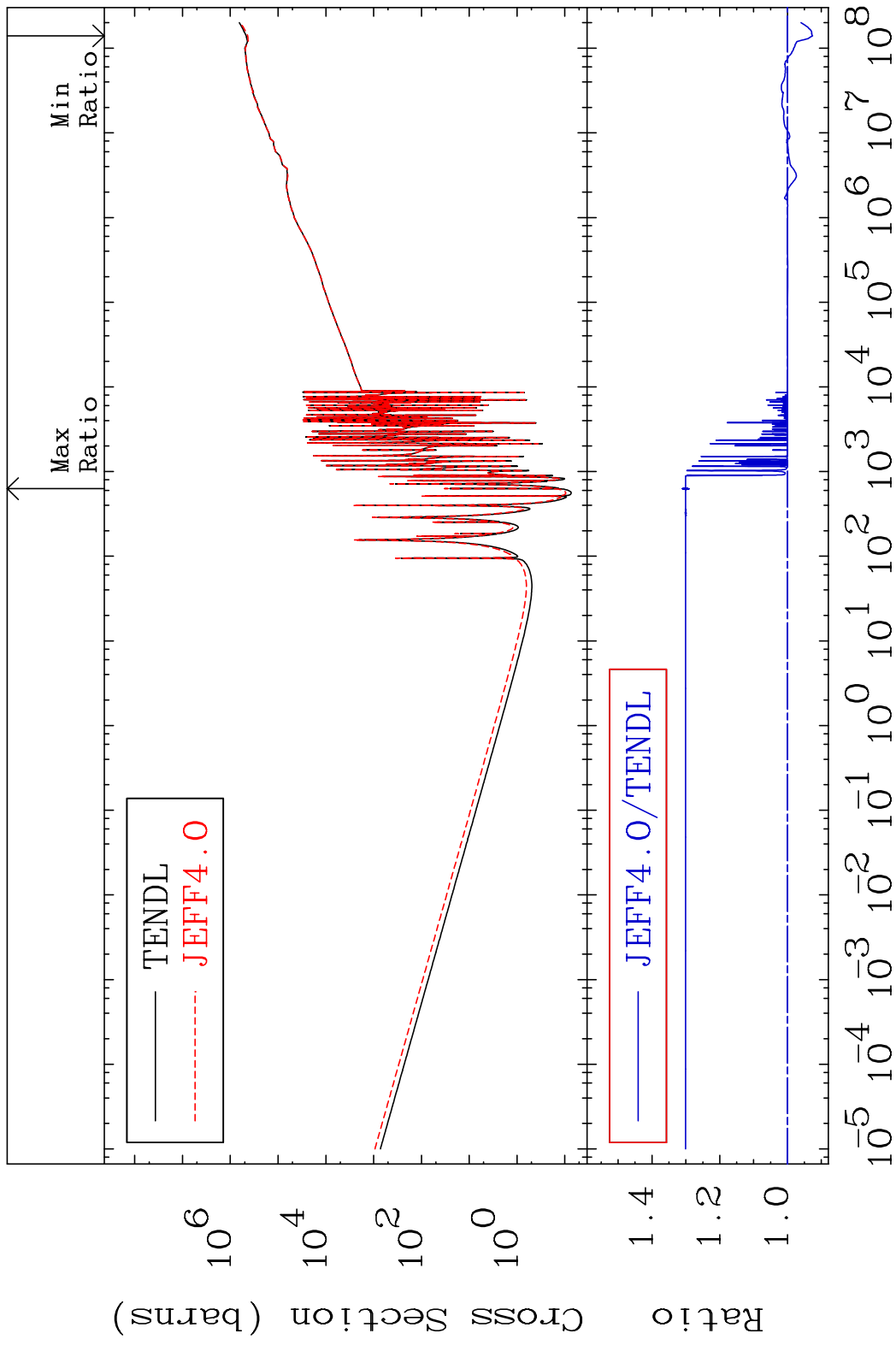


72 Incident Energy (eV) 60-Nd-148

MAT 6043 Total kinematic kerma (high limit) 60-Nd-148
 Cross Section -13.42 To 14.23 %

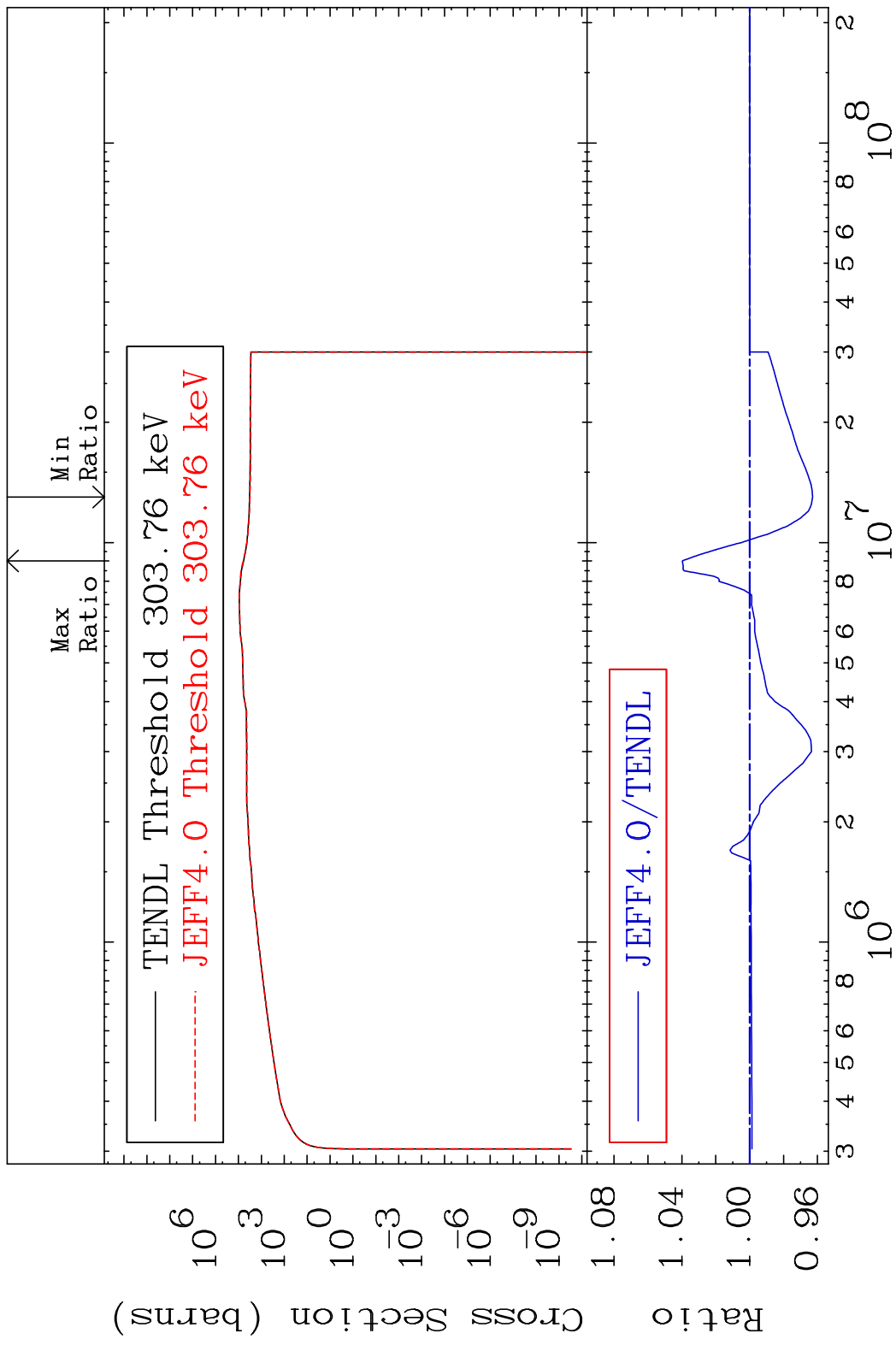


MAT 6043 Dpa total (eV-barns) 60-Nd-148
 Cross Section -7.401 To 31.04 %

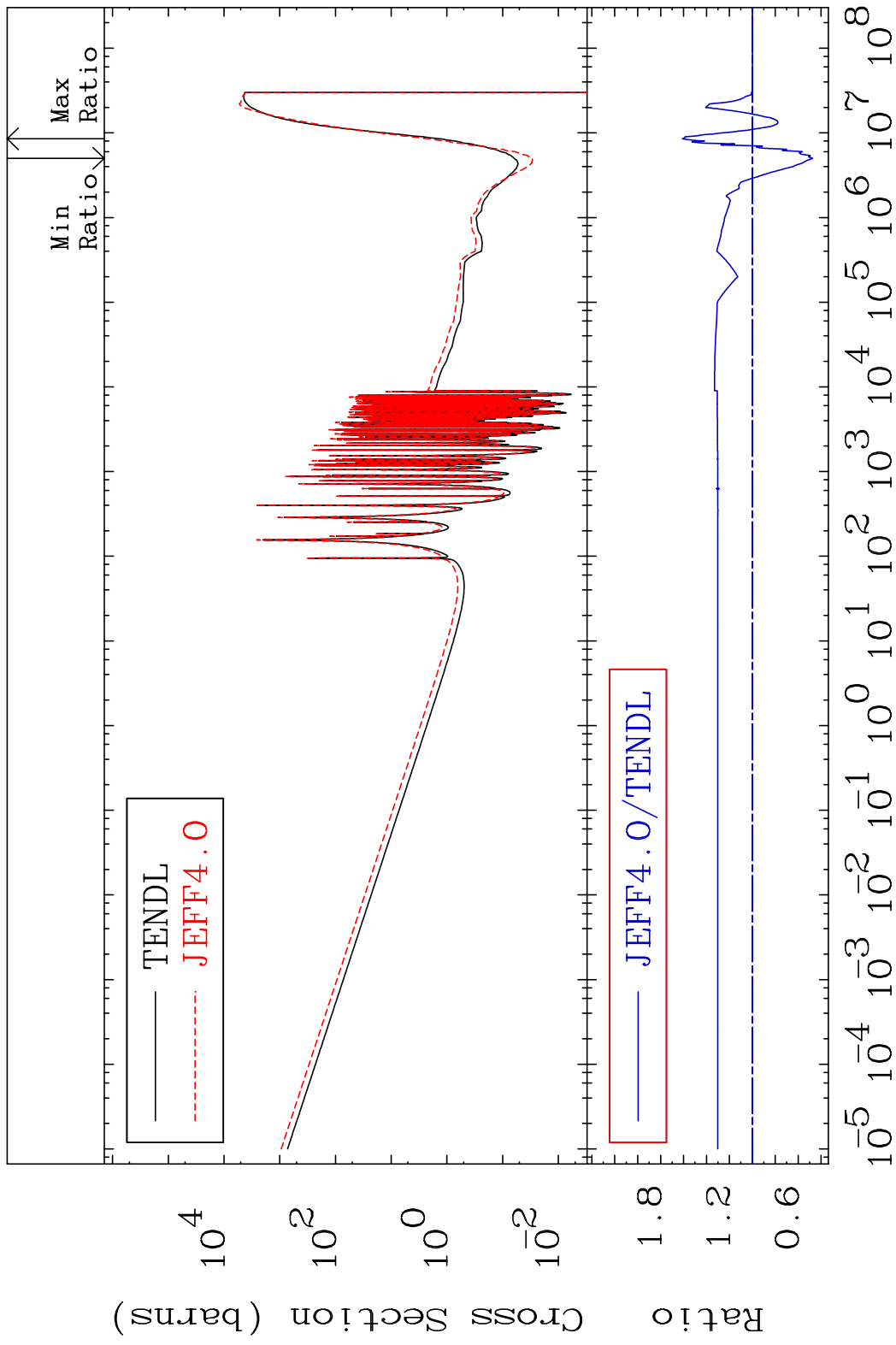


74 Incident Energy (eV) 60-Nd-148

MAT 6043 Dpa inelastic (mt51-91) 60-Nd-148
 Cross Section -3.709 To 3.972 %



MAT 6043 Dpa disappearance (mt102 -120) 60-Nd-148
 Cross Section -52.57 To 61.03 %



77 Incident Energy (eV) 60-Nd-148

