

Program Complot
(Version 2021-1)

by

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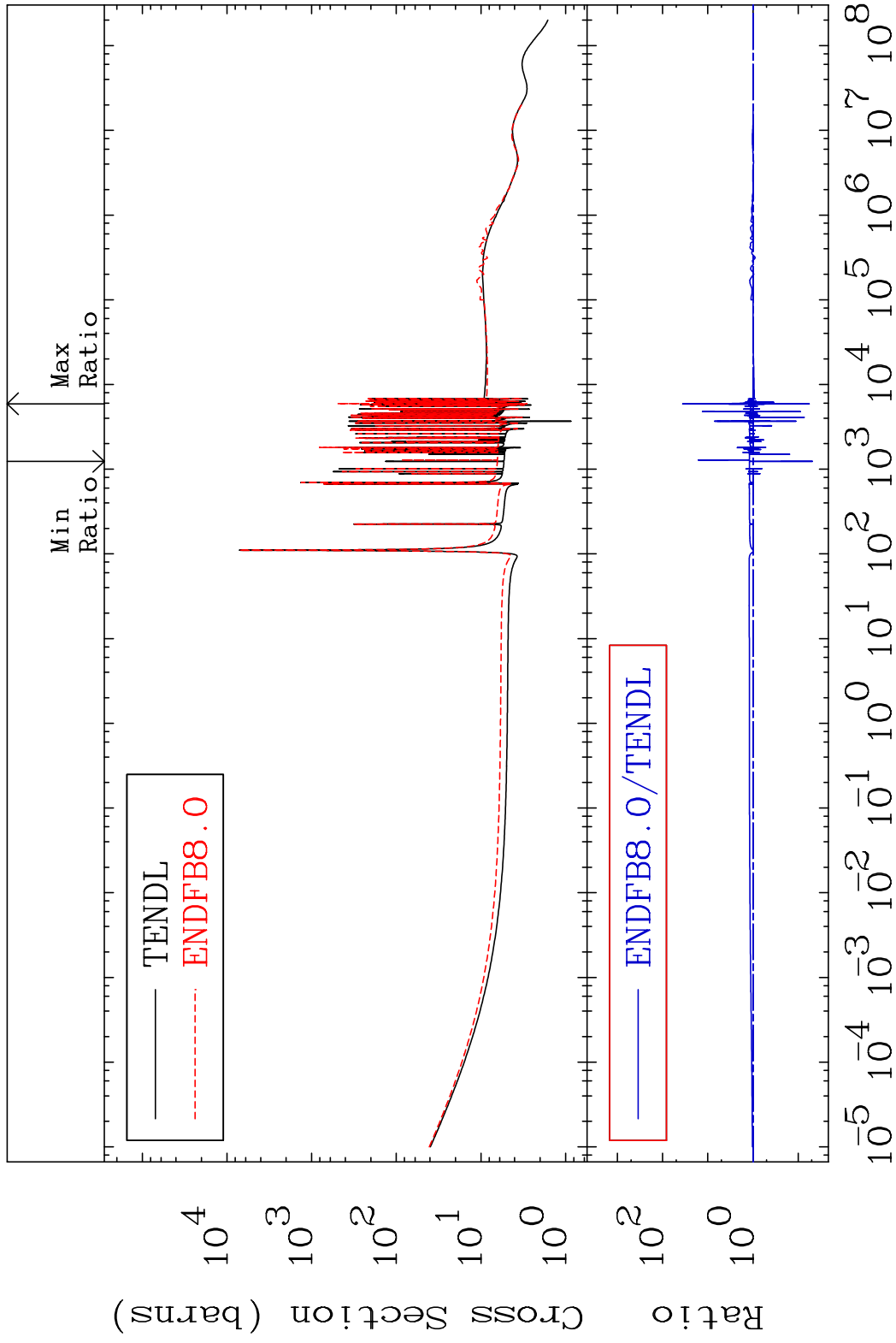
Press Mouse Button to Start

MAT 4034

Total

40-Zr-93

Cross Section -95.20 To 3559. %



1

Incident Energy (eV)

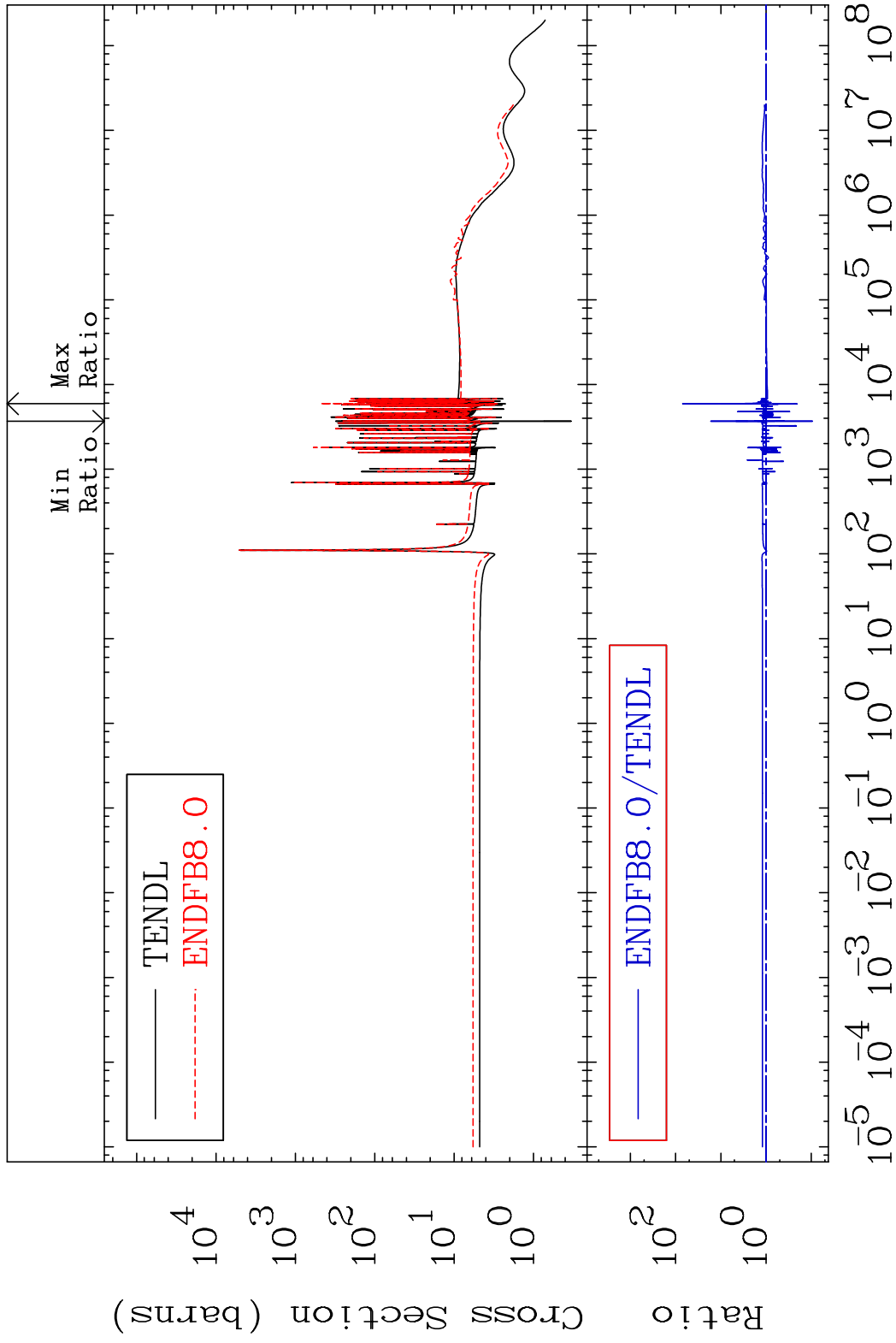
40-Zr-93

MAT 4034

Elastic

40-Zr-93

Cross Section -90.62 To 7002. %

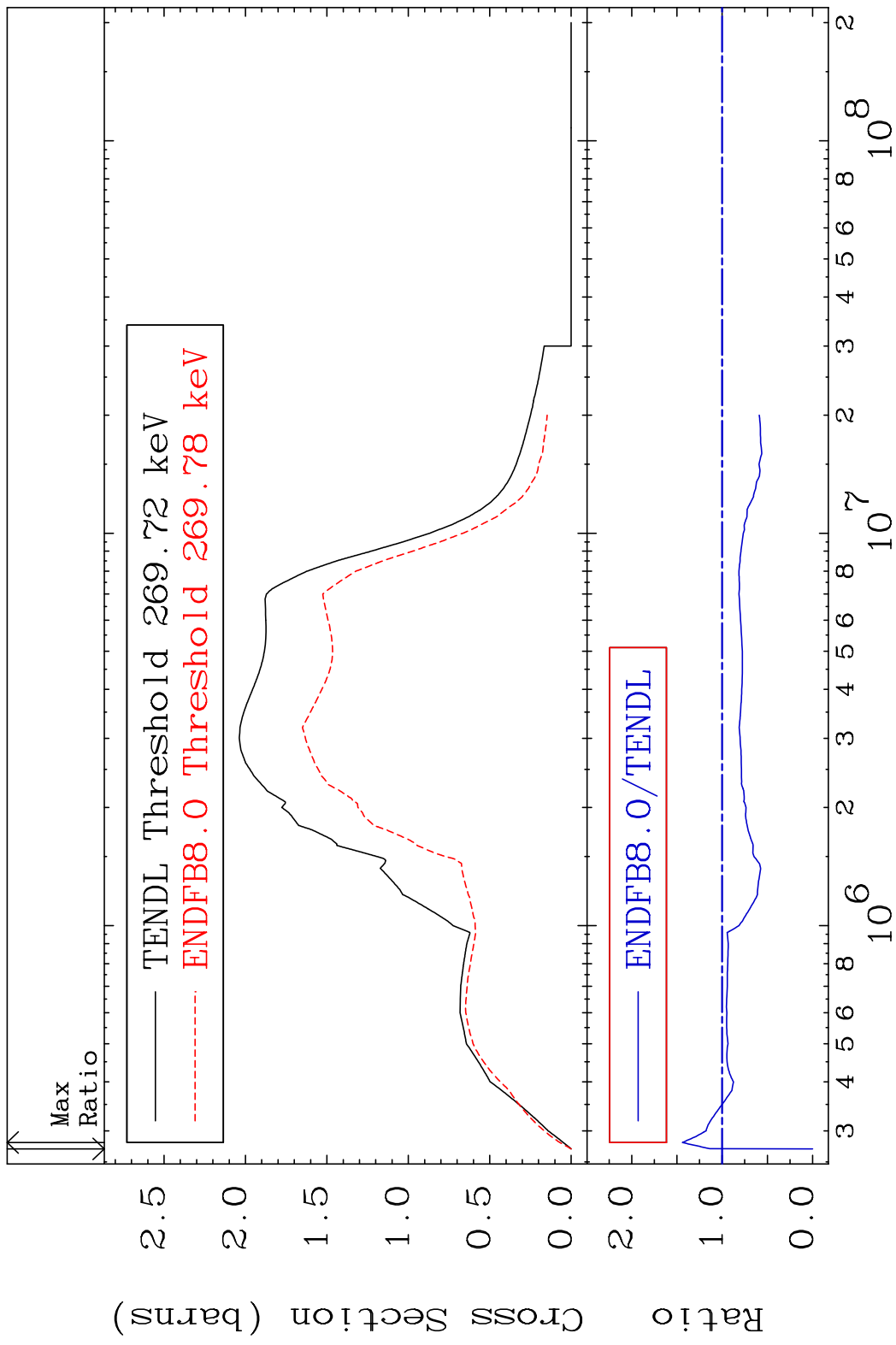


2

Incident Energy (eV)

40-Zr-93

MAT 4034 Inelastic 40-Zr-93
 Cross Section -100.0 To 43.98 %



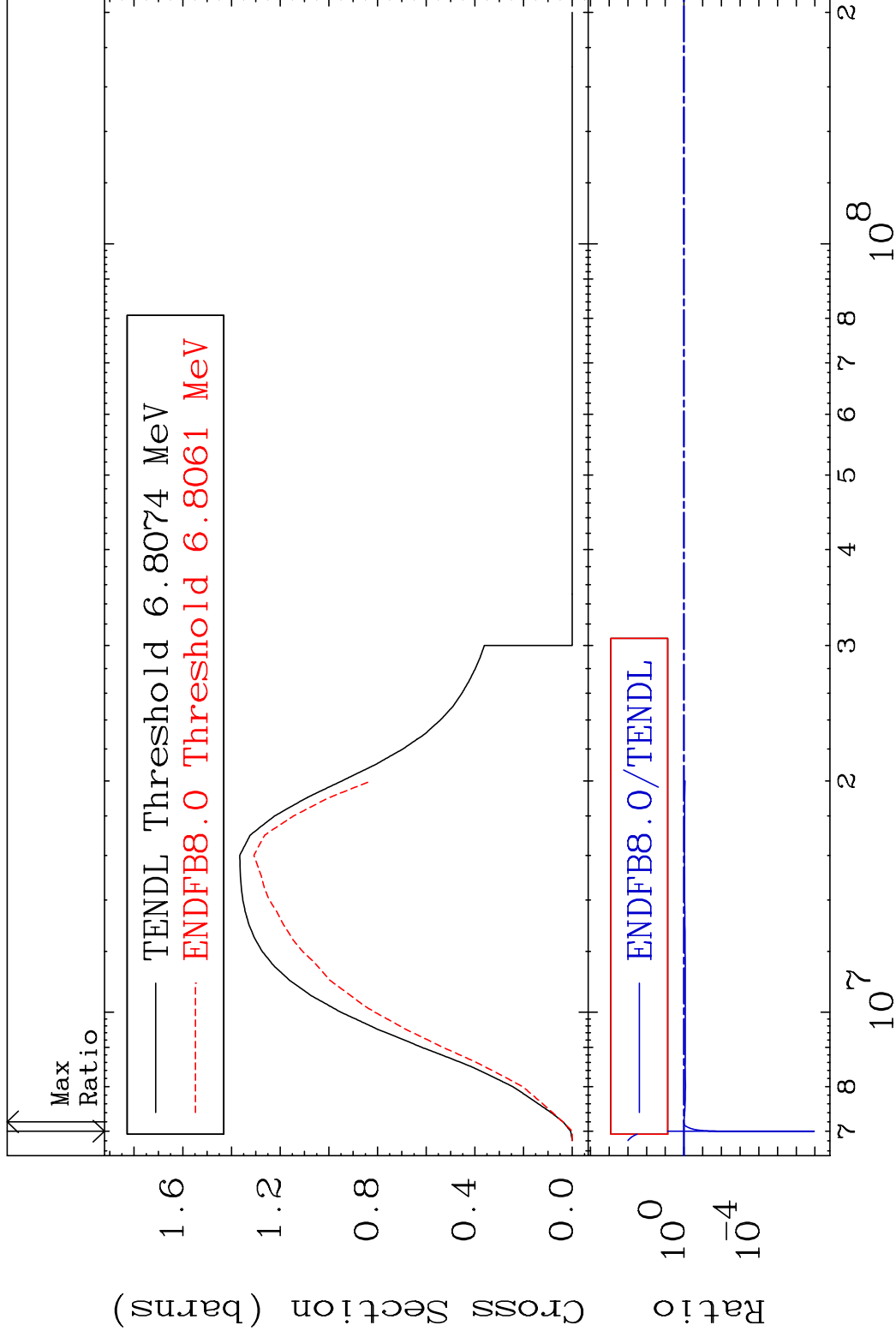
3 Incident Energy (eV) 40-Zr-93

MAT 4034

(n,2n)

40-Zr-93

Cross Section -100.0 To 4.329 %



4

Incident Energy (eV)

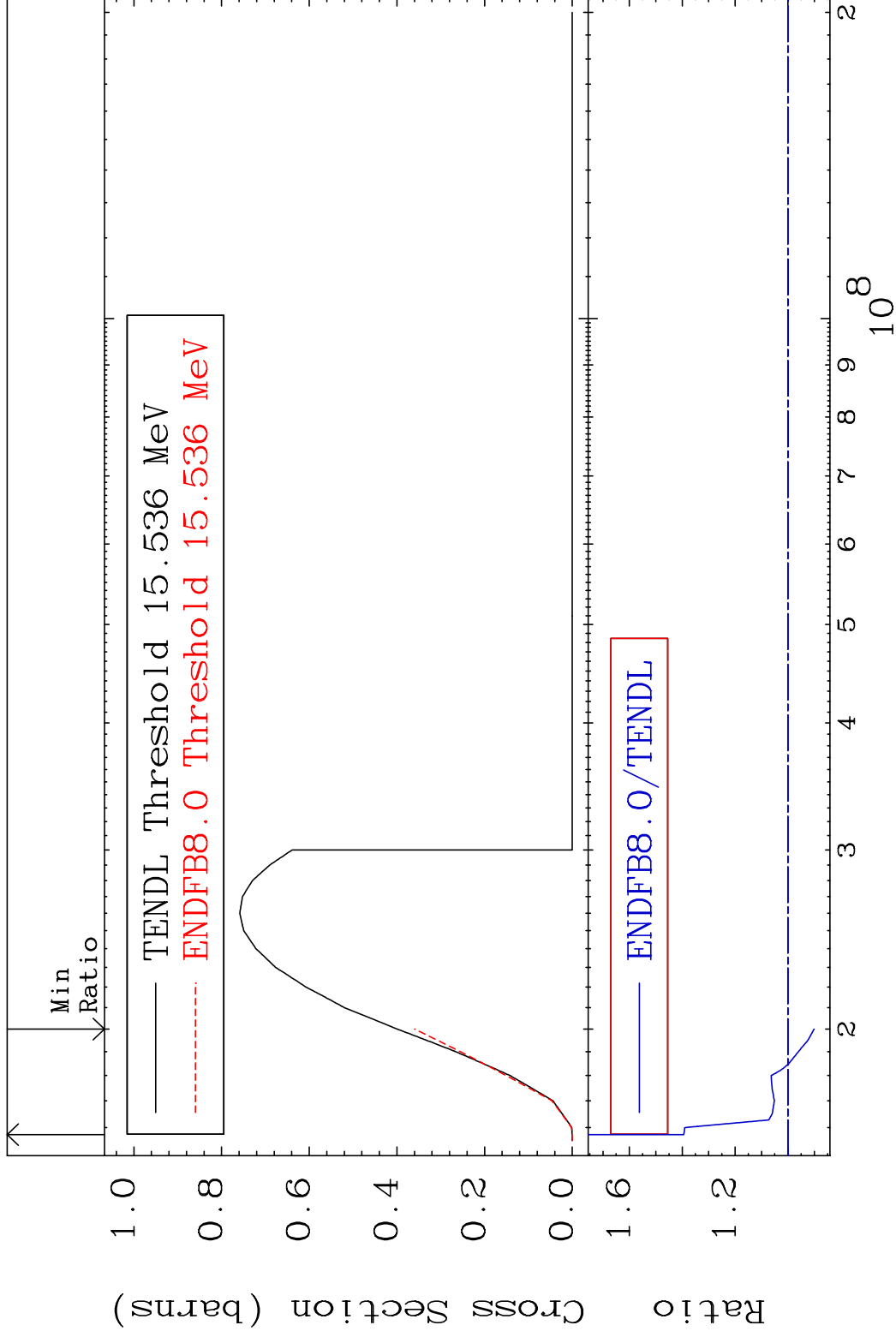
40-Zr-93

MAT 4034

(n,3n)

40-Zr-93

Cross Section -9.903 To 39.46 %



5

Incident Energy (eV)

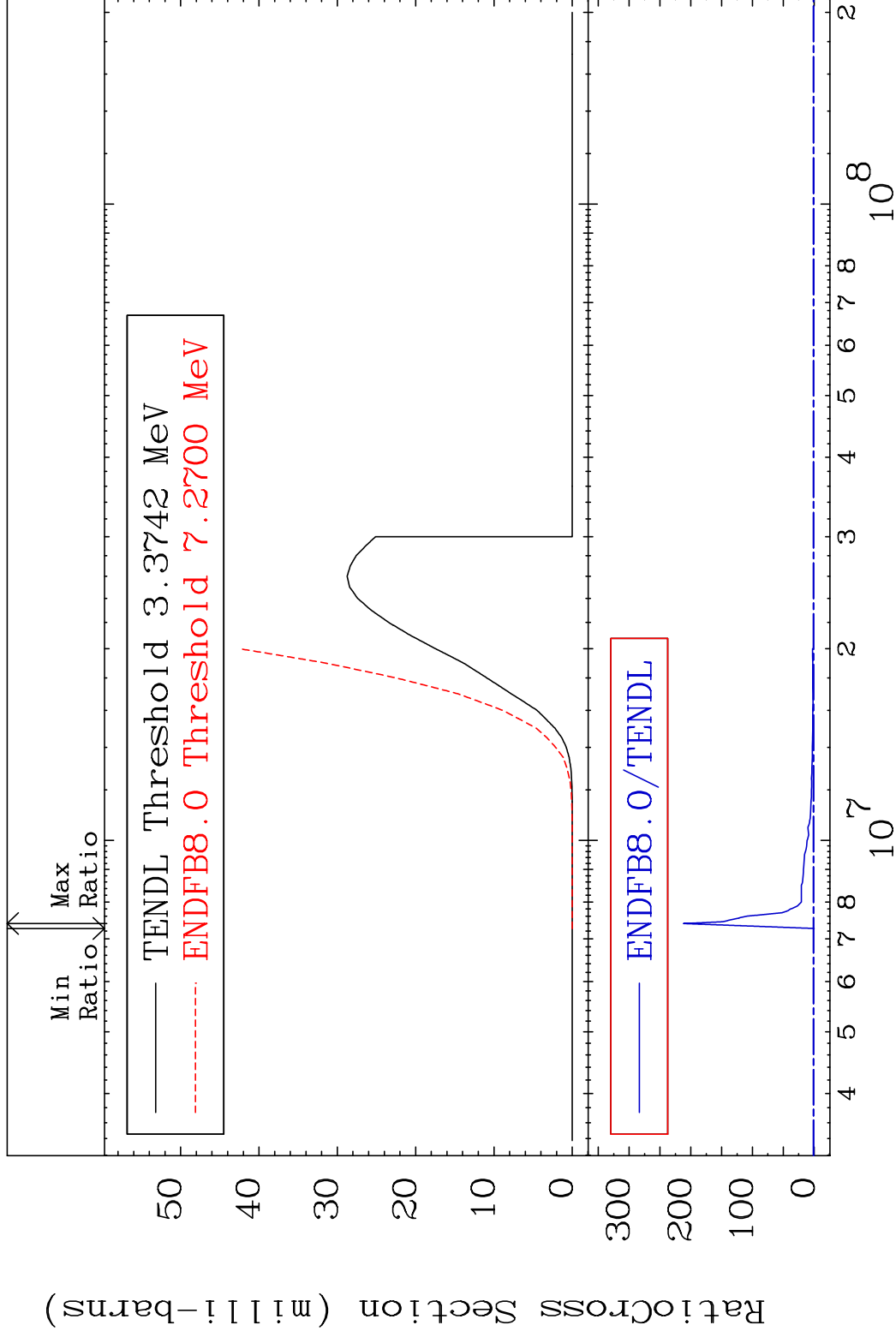
40-Zr-93

MAT 4034

(n, n') α

40-Zr-93

Cross Section -100.0 To 9999. %

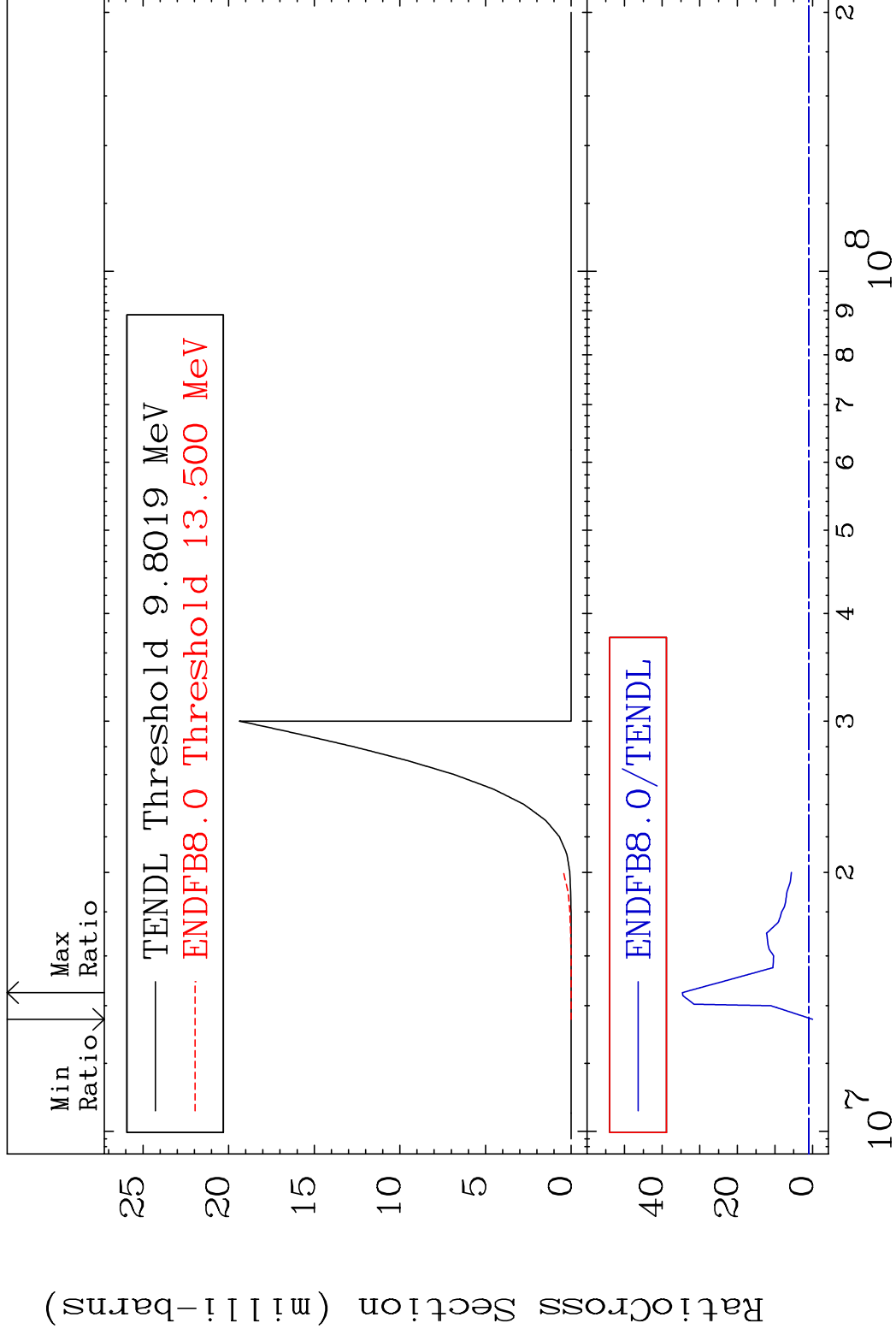


MAT 4034

(n,2n) α

40-Zr-93

Cross Section -100.0 To 3363. %



7

Incident Energy (eV)

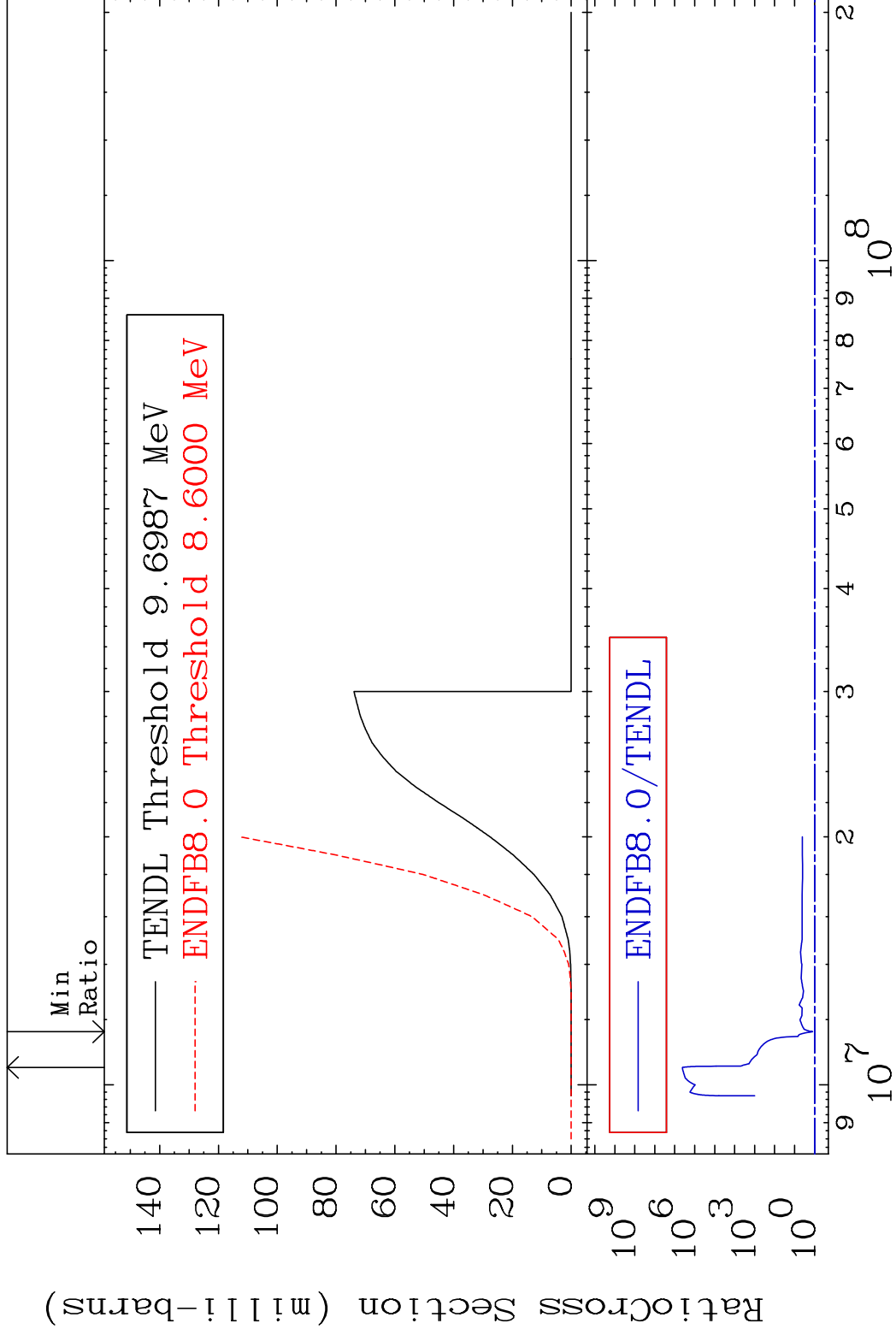
40-Zr-93

MAT 4034

(n, n') p

40-Zr-93

Cross Section 26.00 To 9999. %



8

Incident Energy (eV)

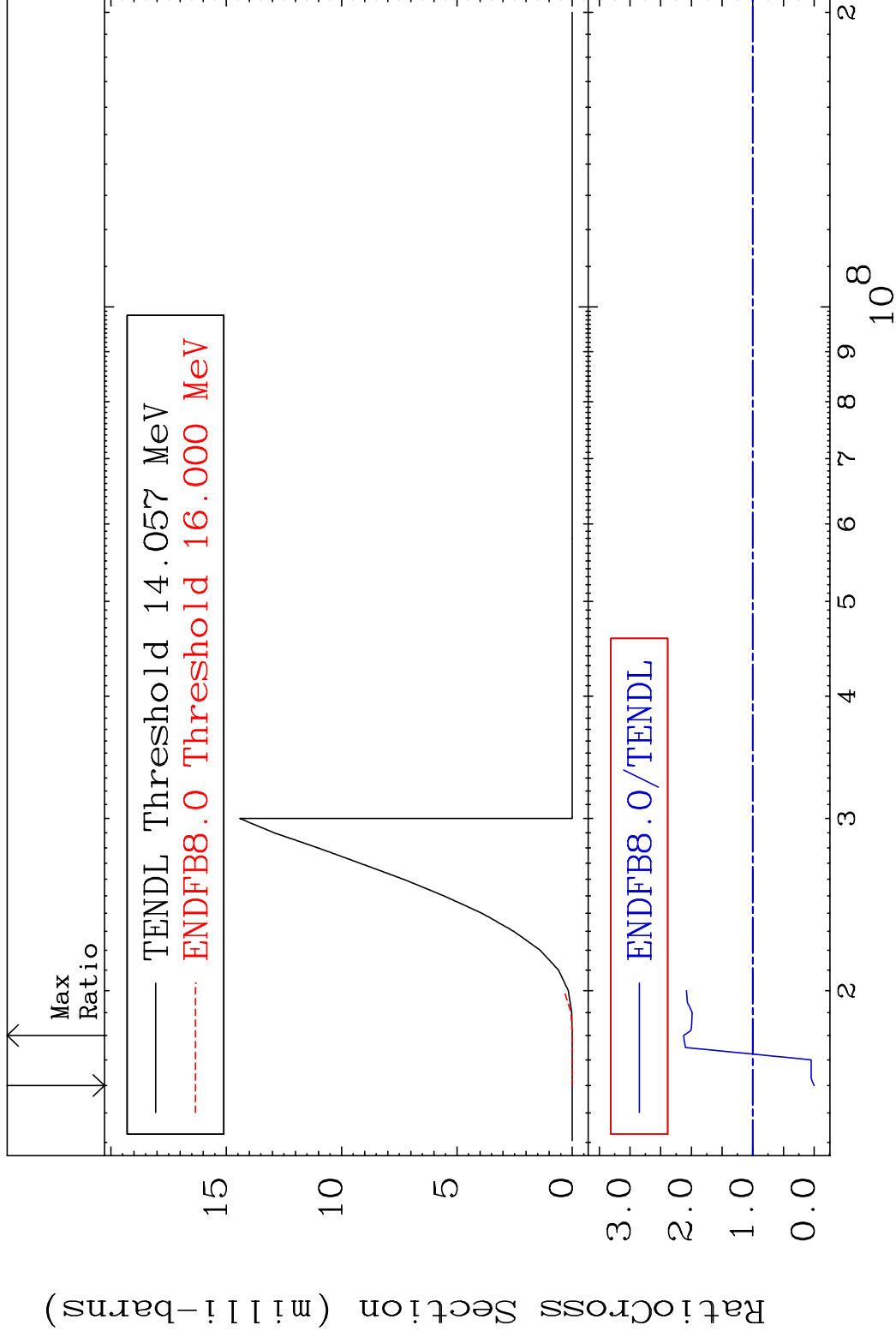
40-Zr-93

MAT 4034

(n, n') d

40-Zr-93

Cross Section -100.0 To 112.6 %

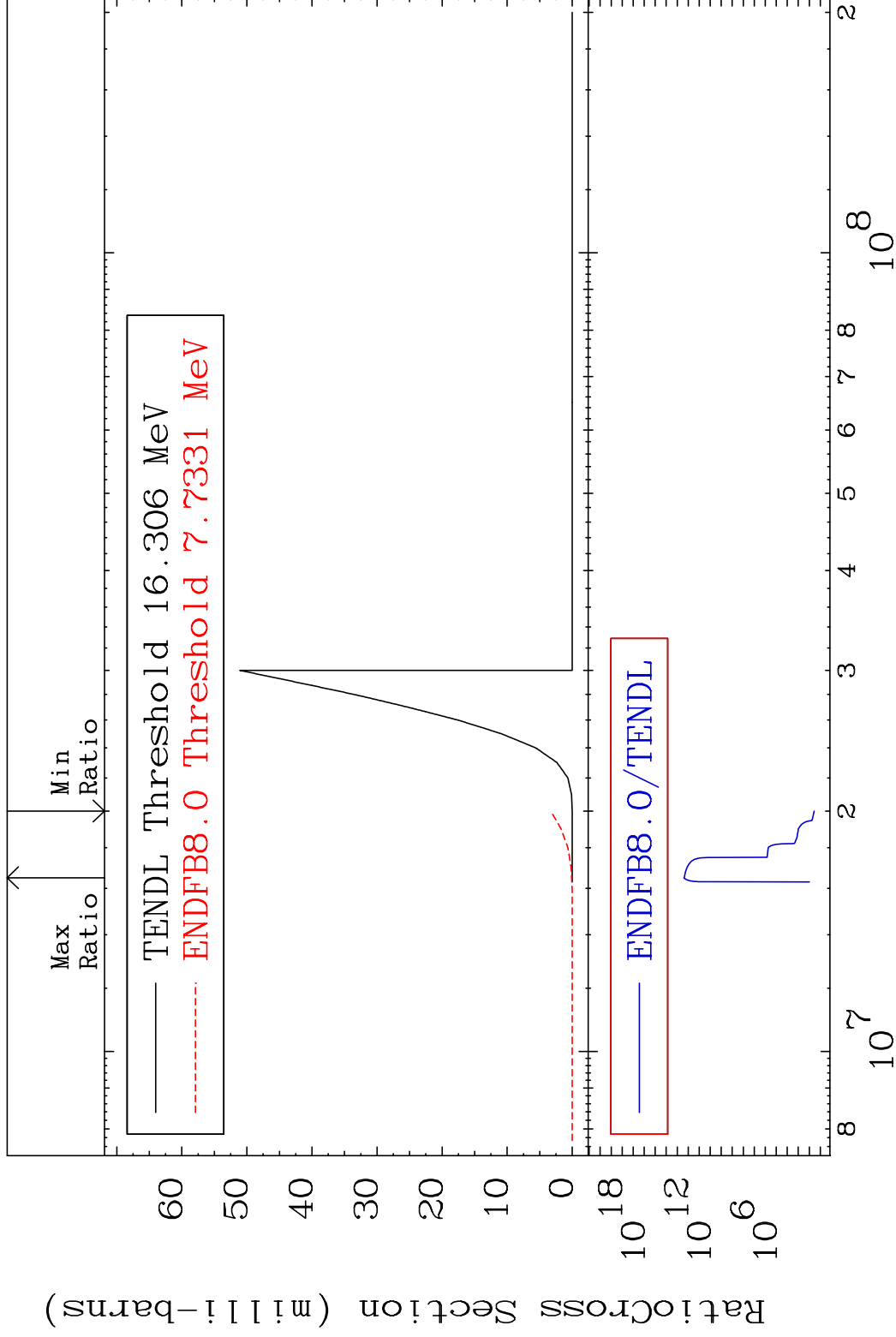


MAT 4034

(n,2n) p

40-Zr-93

Cross Section 9999. To 9999. %

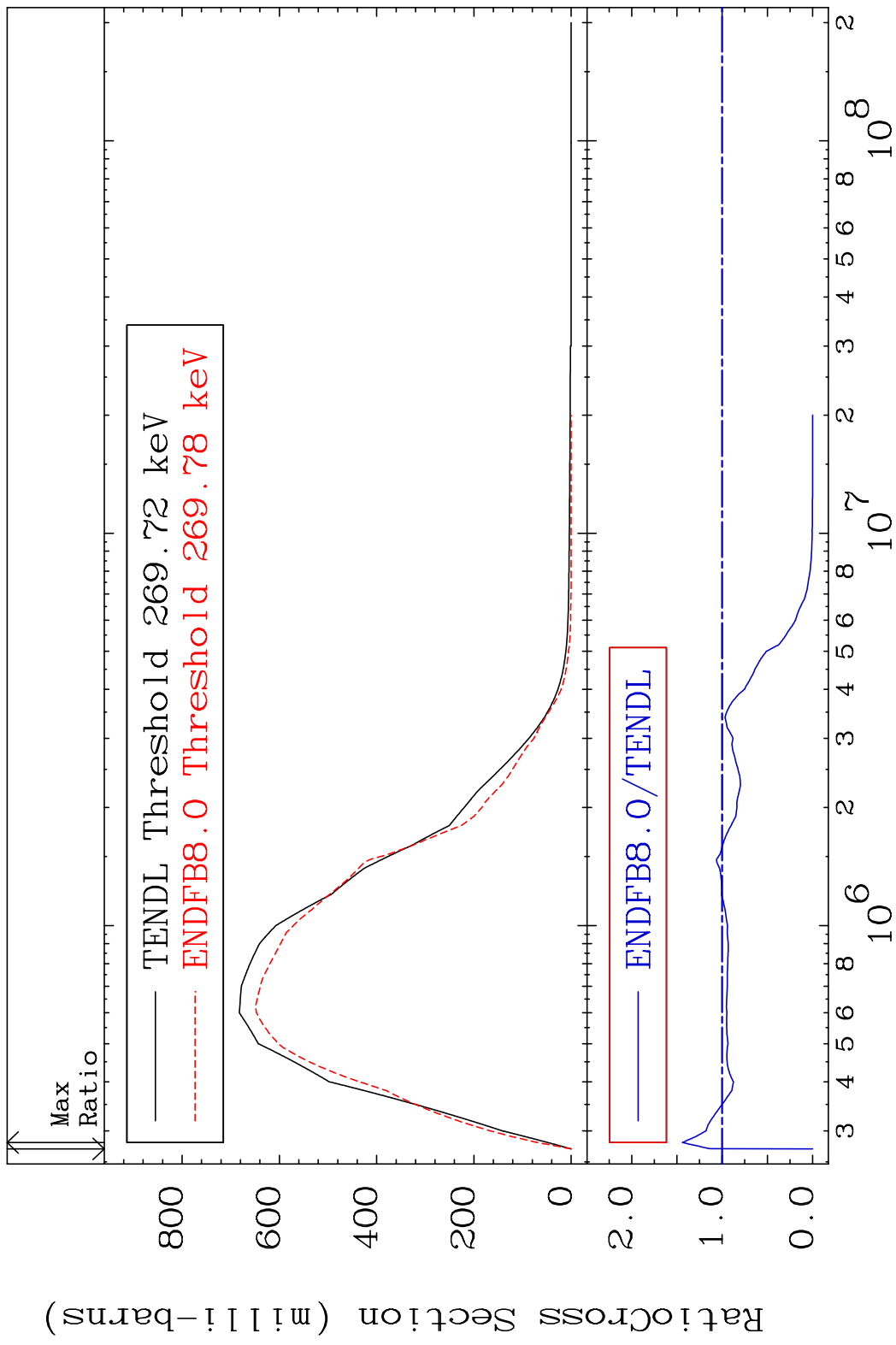


10

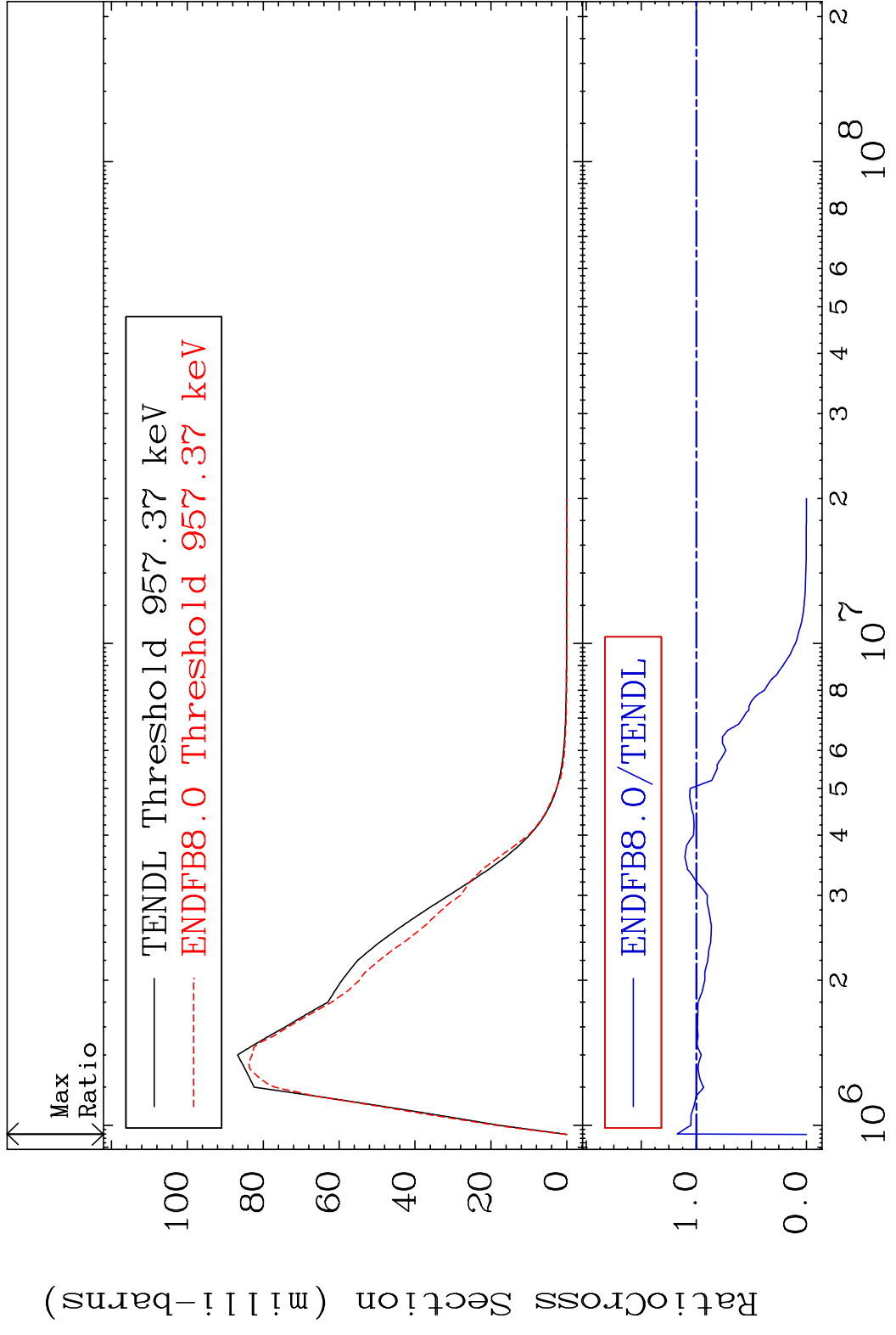
Incident Energy (eV)

40-Zr-93

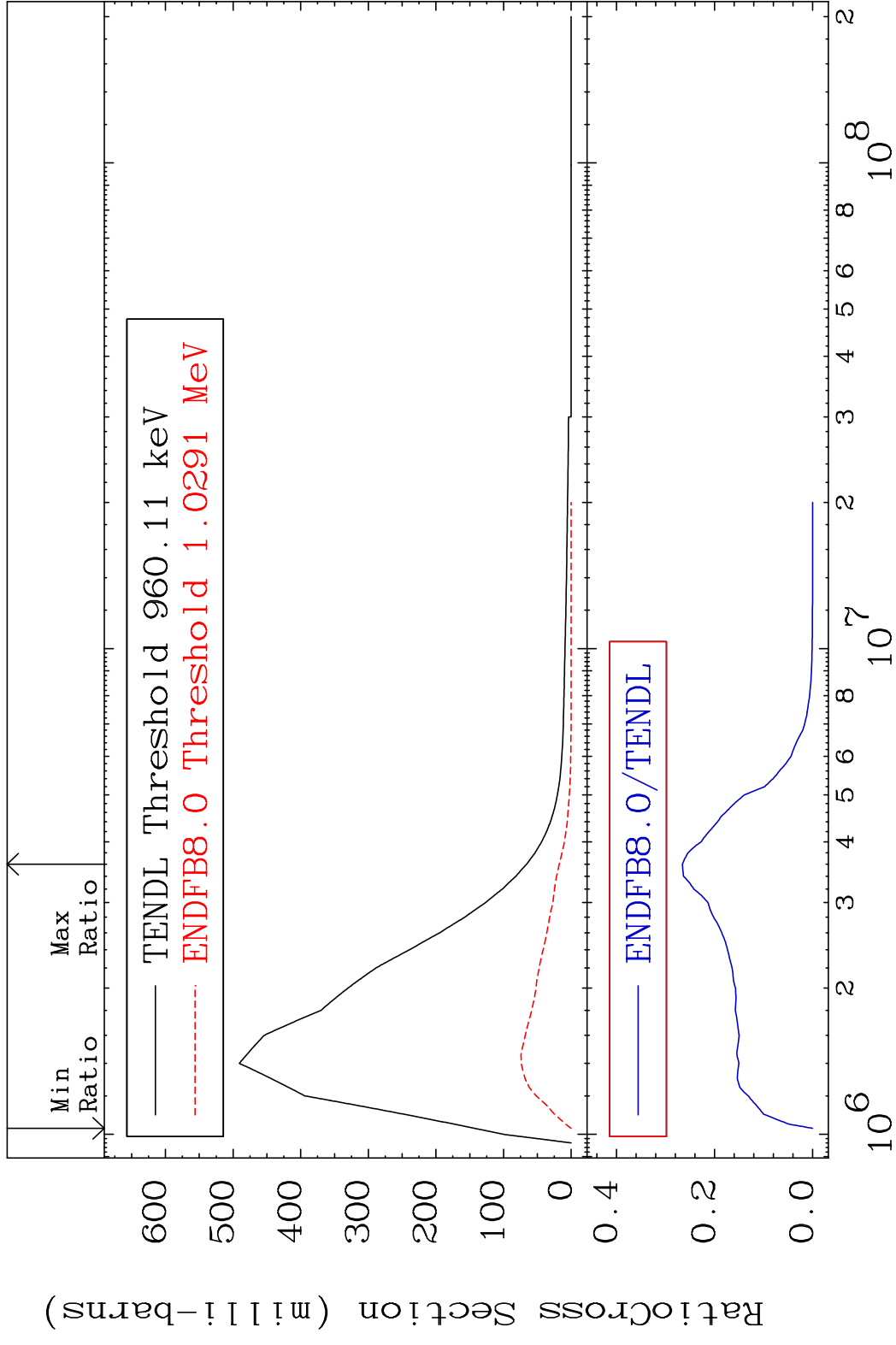
MAT 4034 MT= 51 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 43.98 %



MAT 4034 MT= 52 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 17.40 %

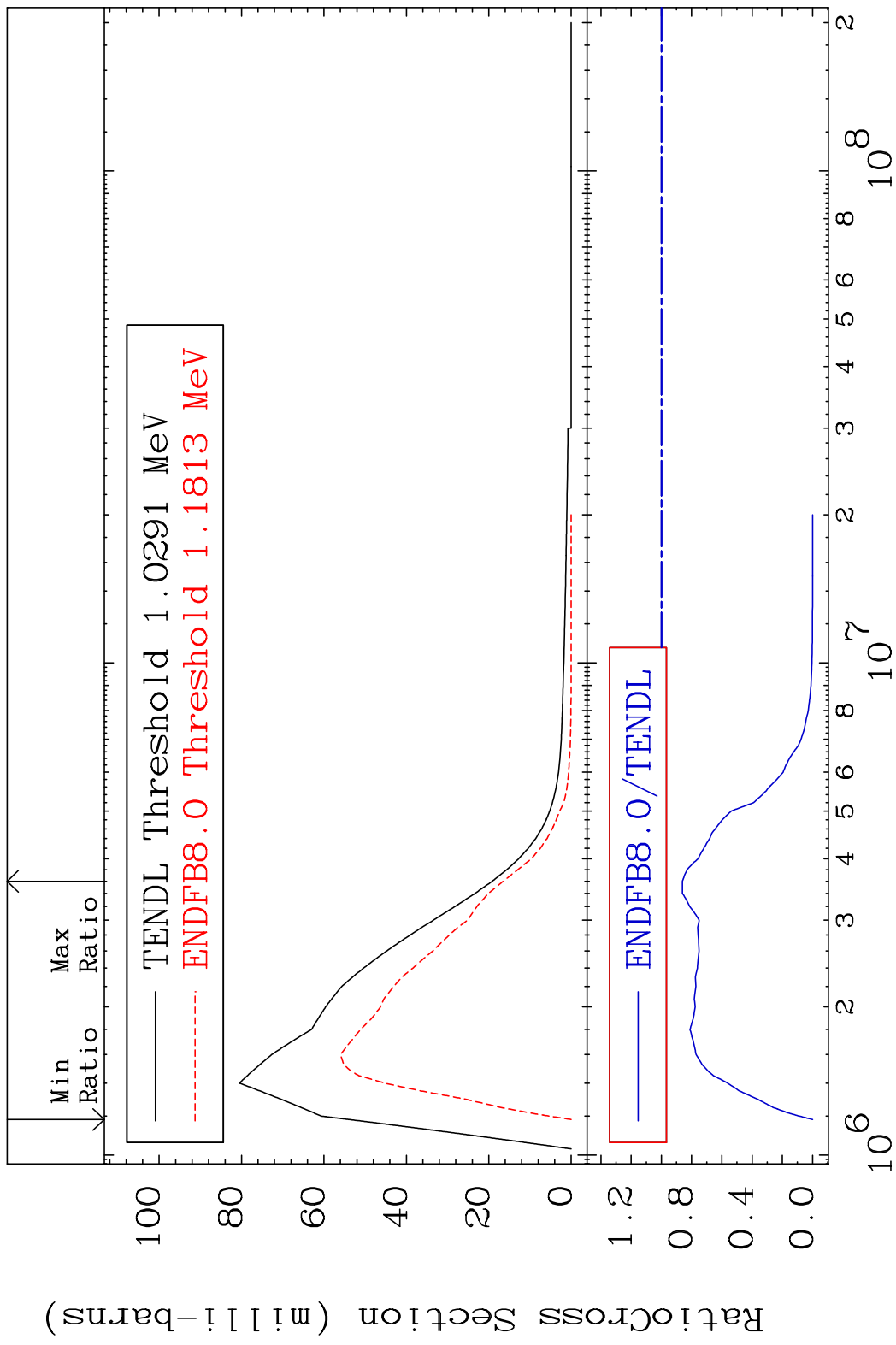


MAT 4034 MT= 53 (n, n') Level 40-Zr-93
 Cross Section -100.0 To -73.43%



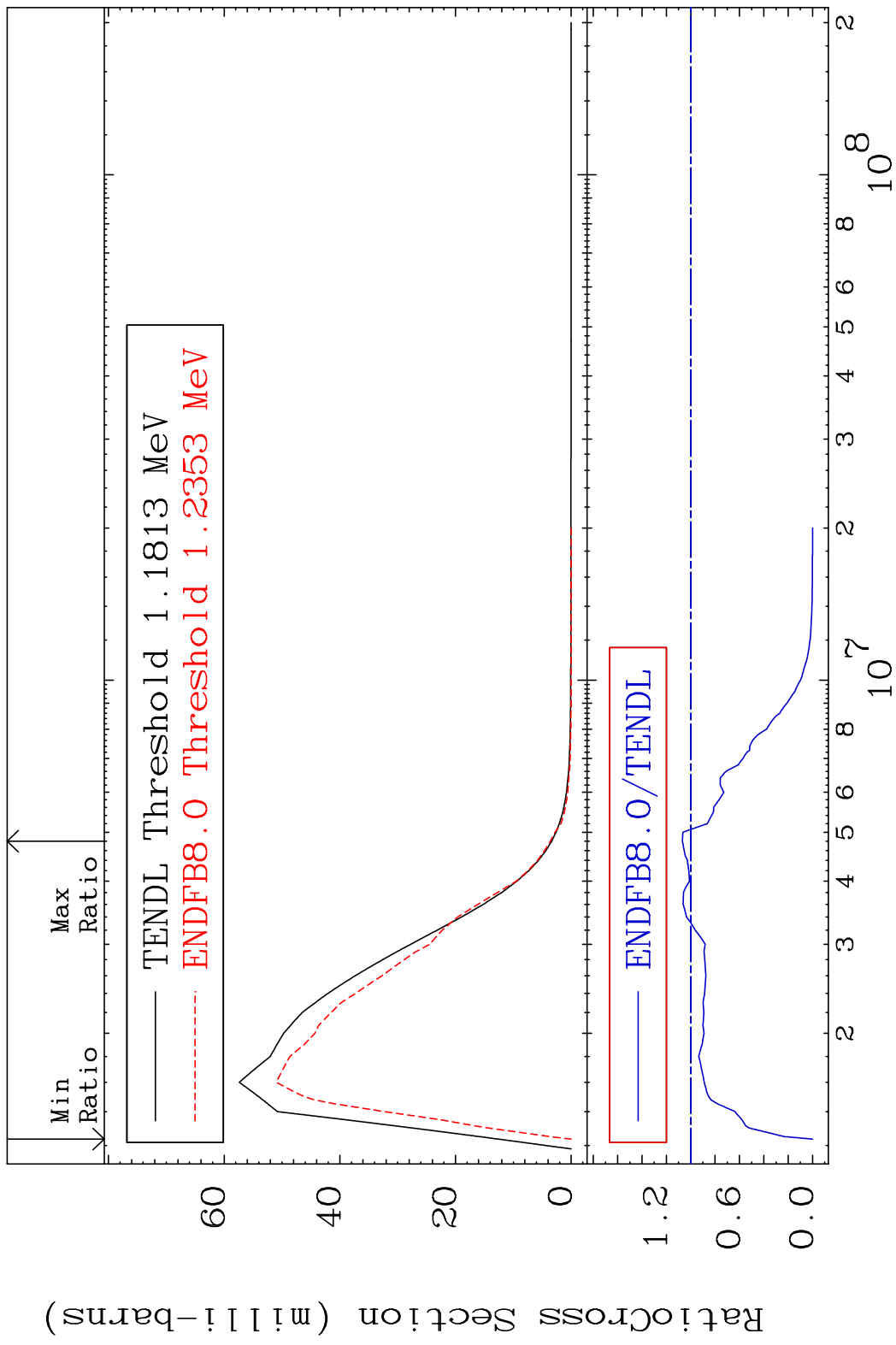
13 40-Zr-93

MAT 4034 MT= 54 (n,n') Level 40-Zr-93
 Cross Section -100.0 To -13.87%

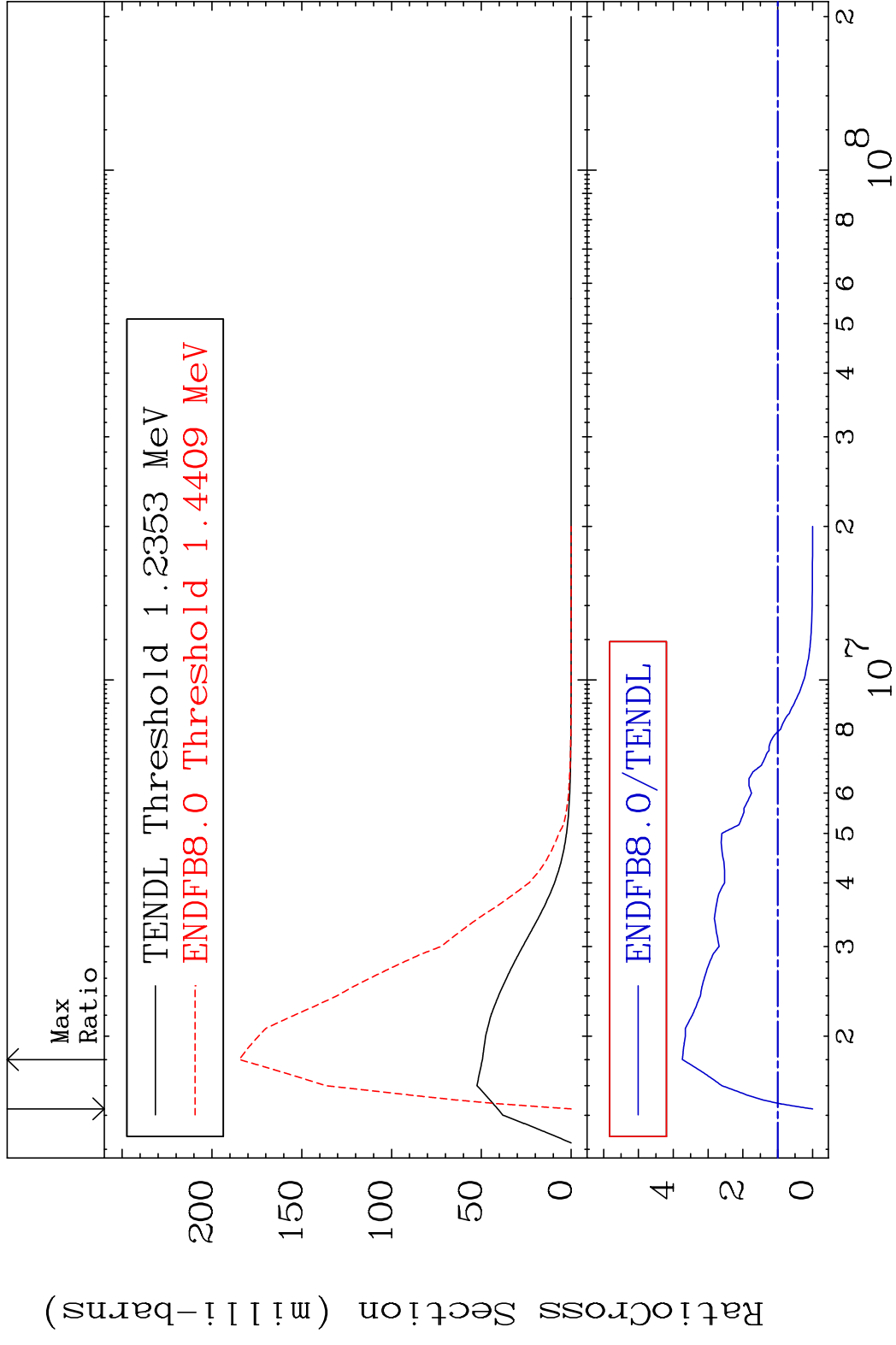


14 Incident Energy (eV) 40-Zr-93

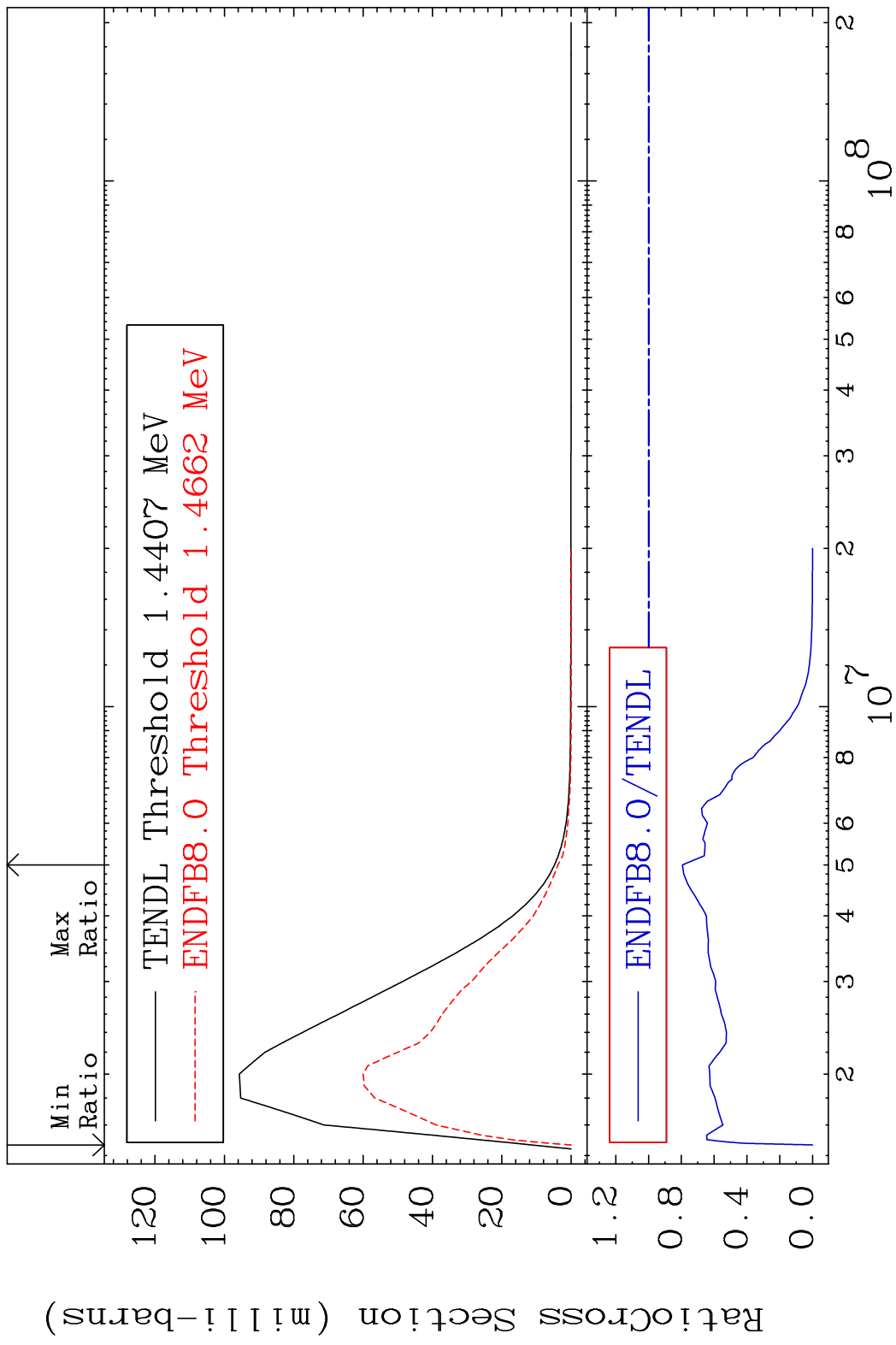
MAT 4034 MT= 55 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 6.887 %



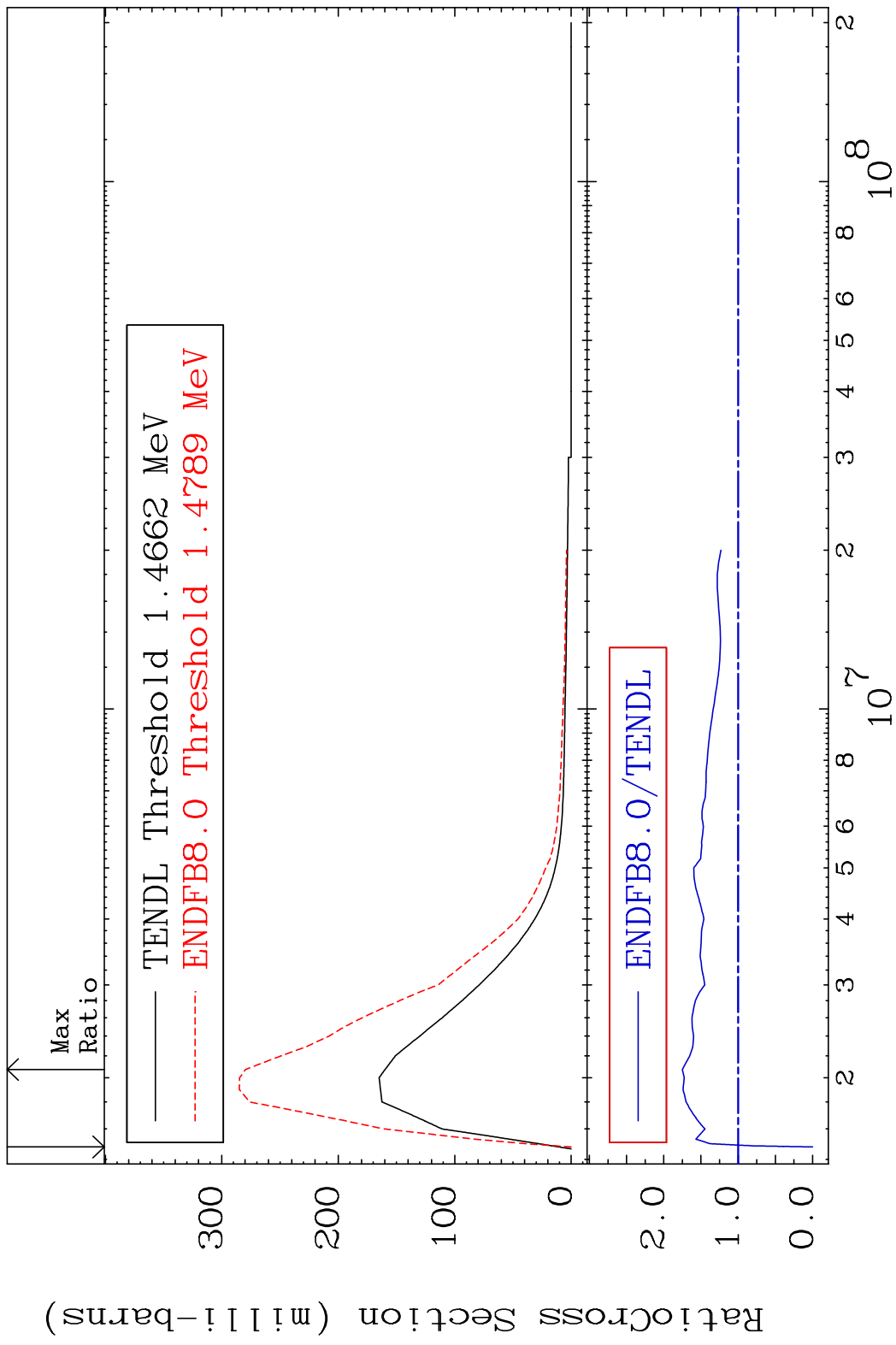
MAT 4034 MT= 56 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 273.9 %



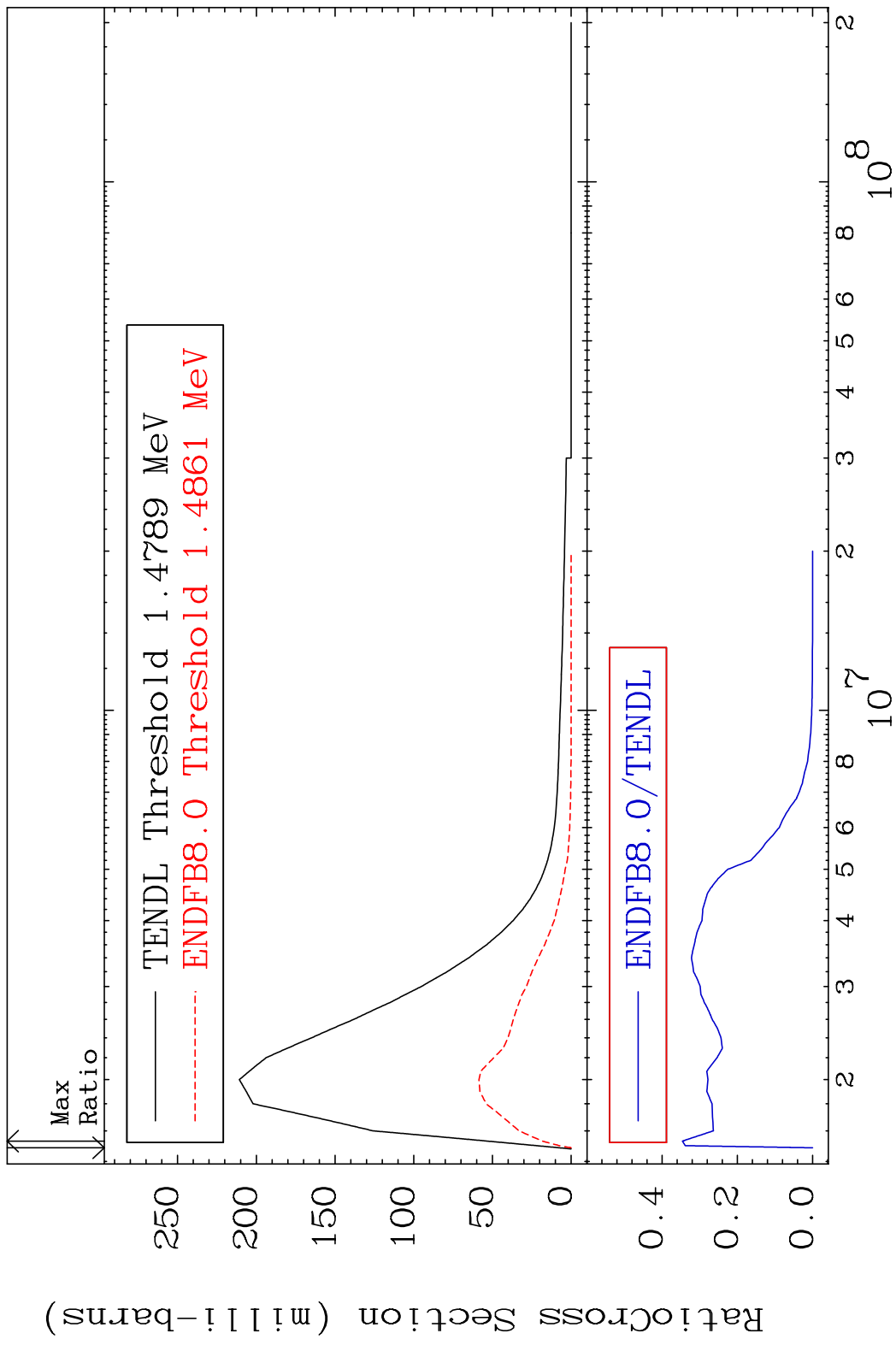
MAT 4034 MT= 57 (n,n') Level 40-Zr-93
 Cross Section -100.0 To -20.61%



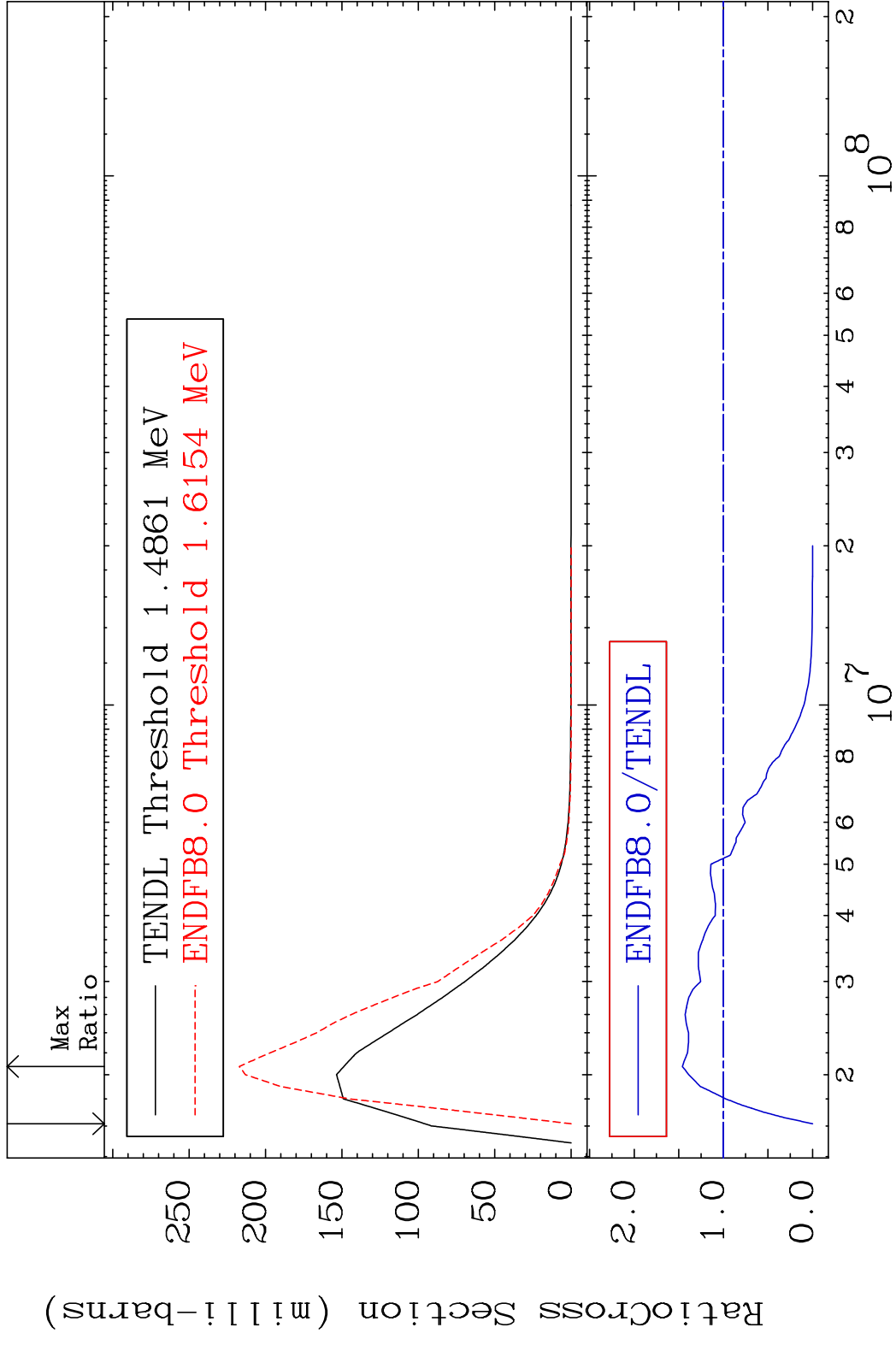
MAT 4034 MT= 58 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 75.00 %



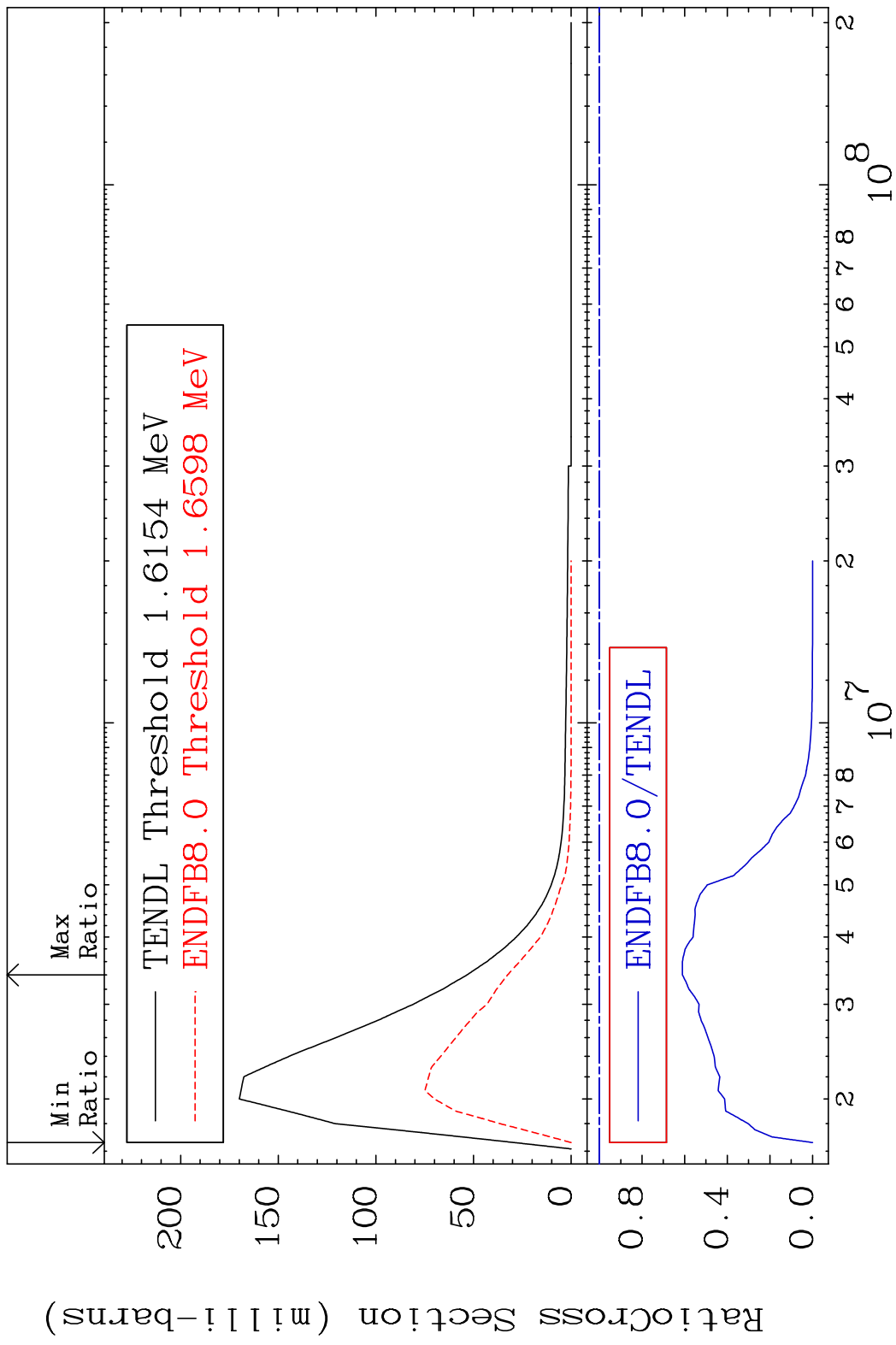
MAT 4034 MT= 59 (n, n') Level 40-Zr-93
 Cross Section -100.0 To -65.41%



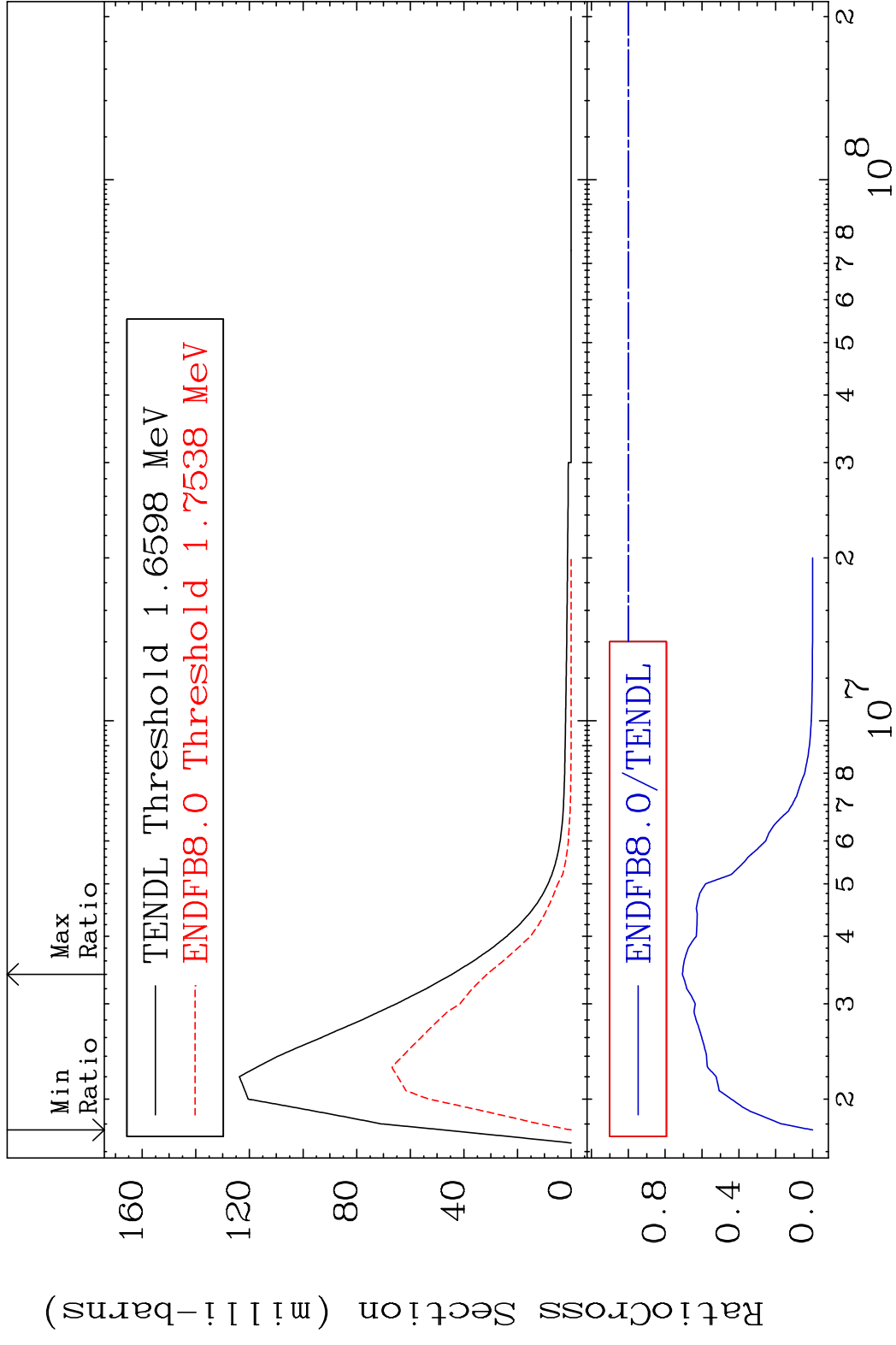
MAT 4034 MT= 60 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 45.99 %



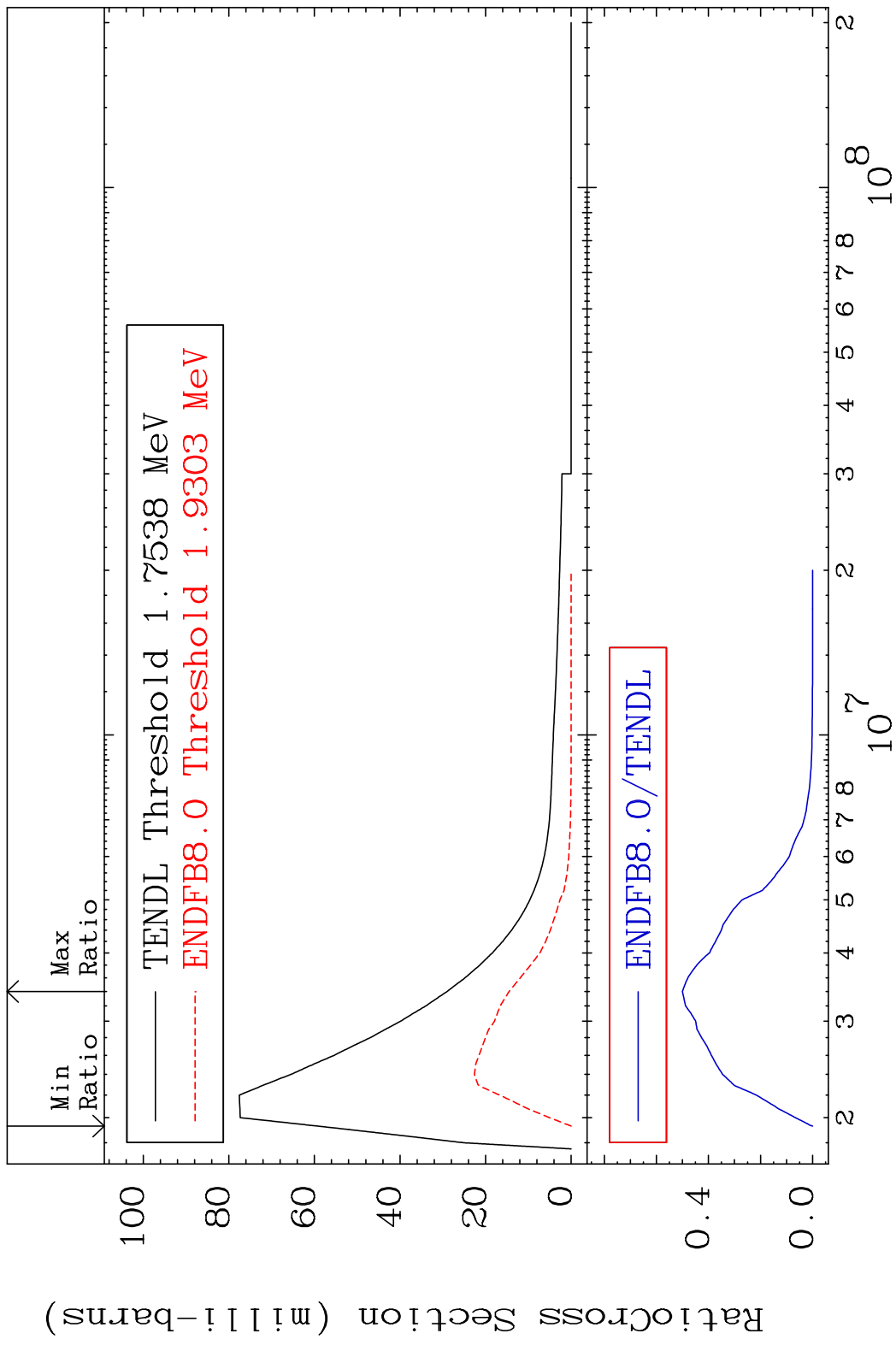
MAT 4034 MT= 61 (n,n') Level 40-Zr-93
 Cross Section -100.0 To -38.92%



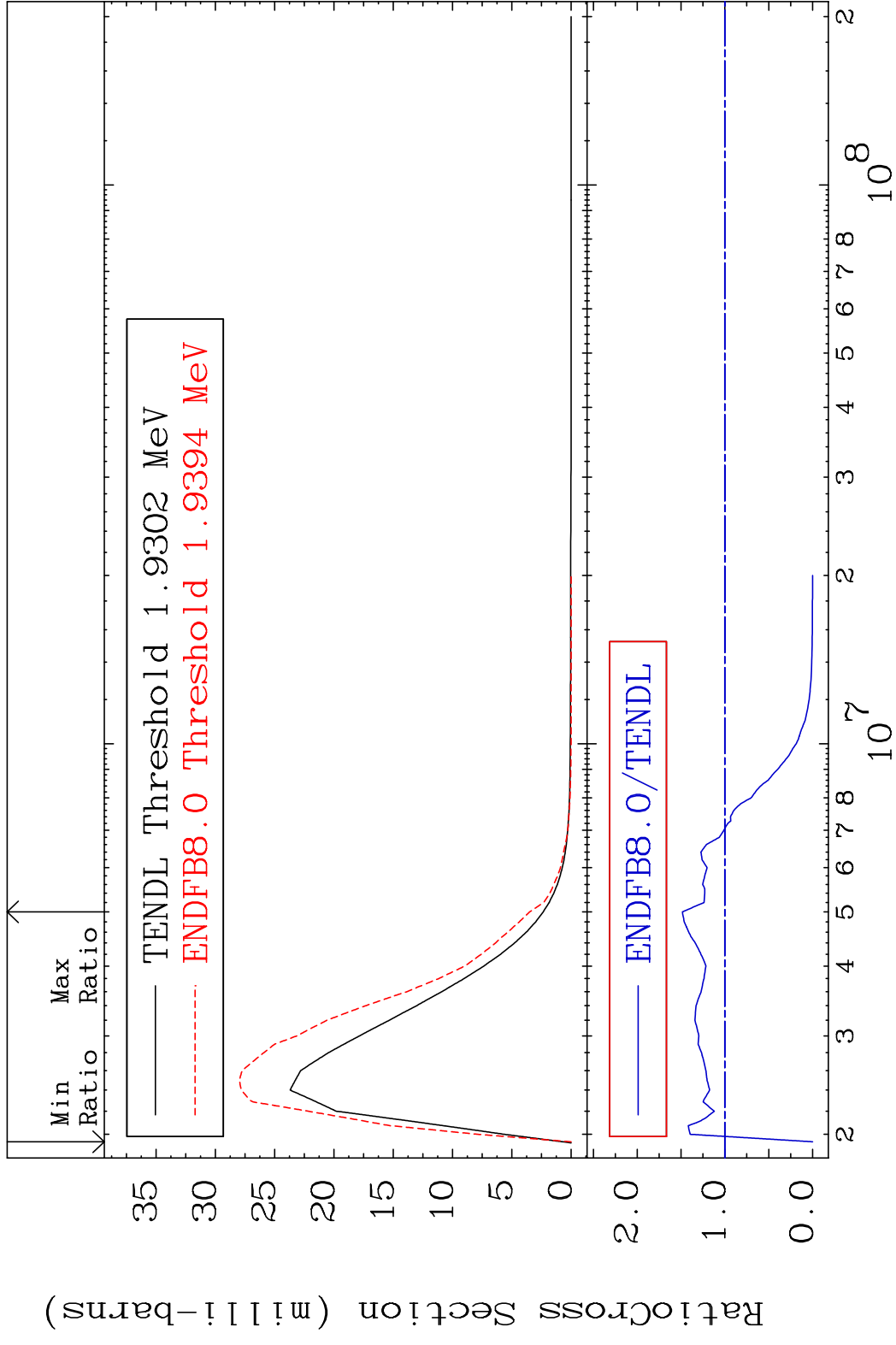
MAT 4034 MT= 62 (n,n') Level 40-Zr-93
 Cross Section -100.0 To -29.33%



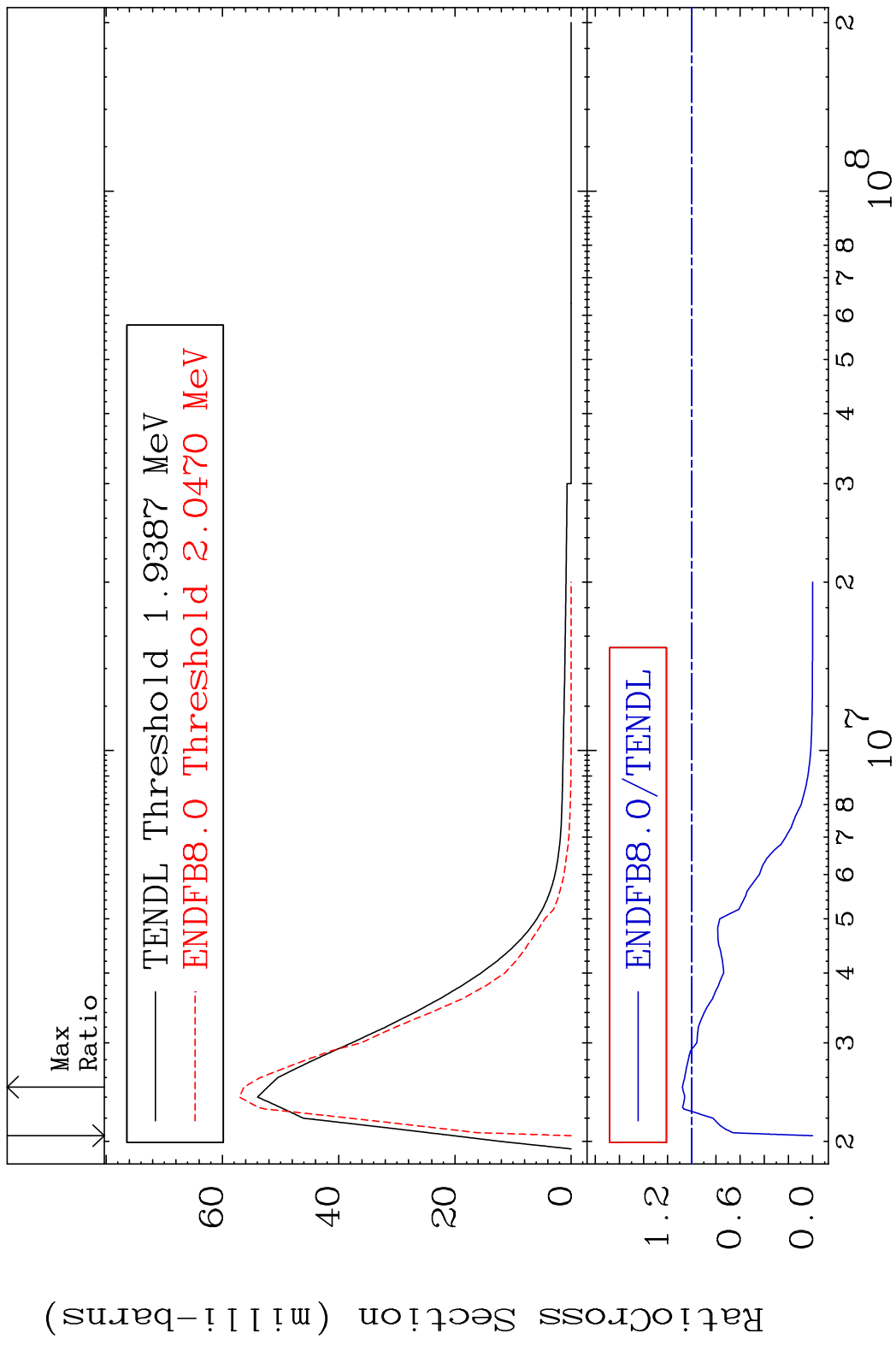
MAT 4034 MT= 63 (n,n') Level 40-Zr-93
 Cross Section -100.0 To -49.96%



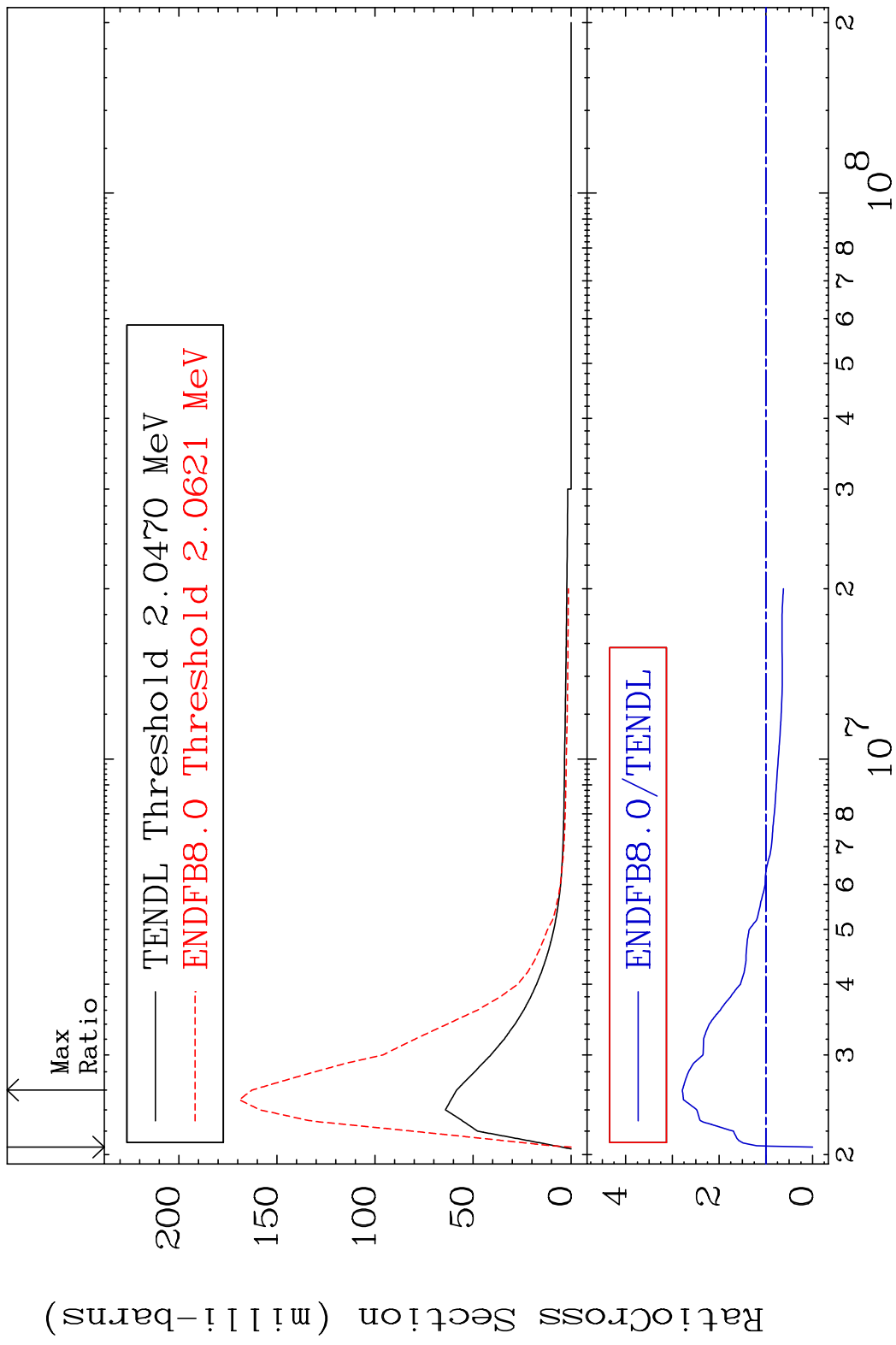
MAT 4034 MT= 64 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 48.50 %



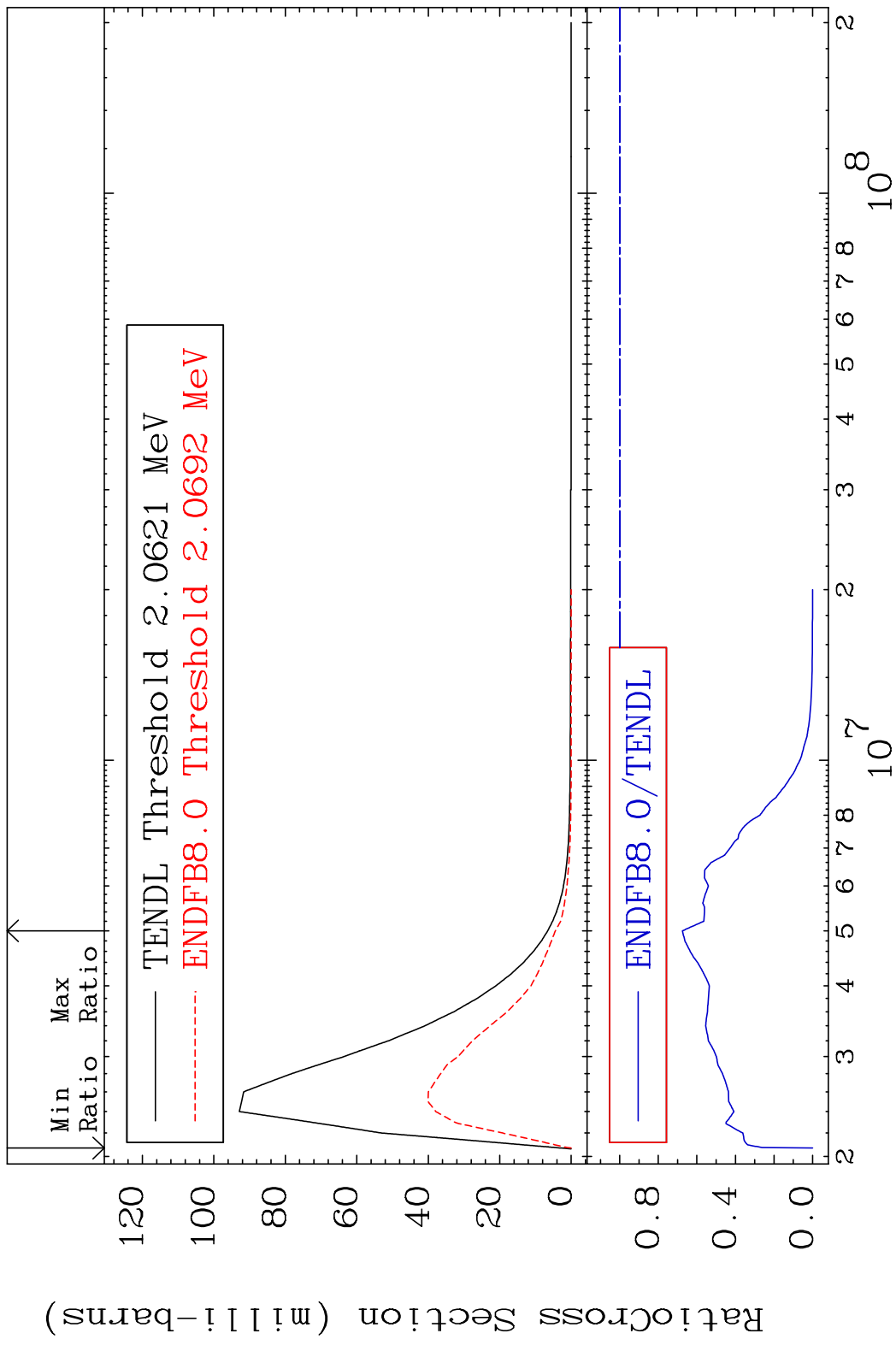
MAT 4034 MT= 65 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 7.831 %



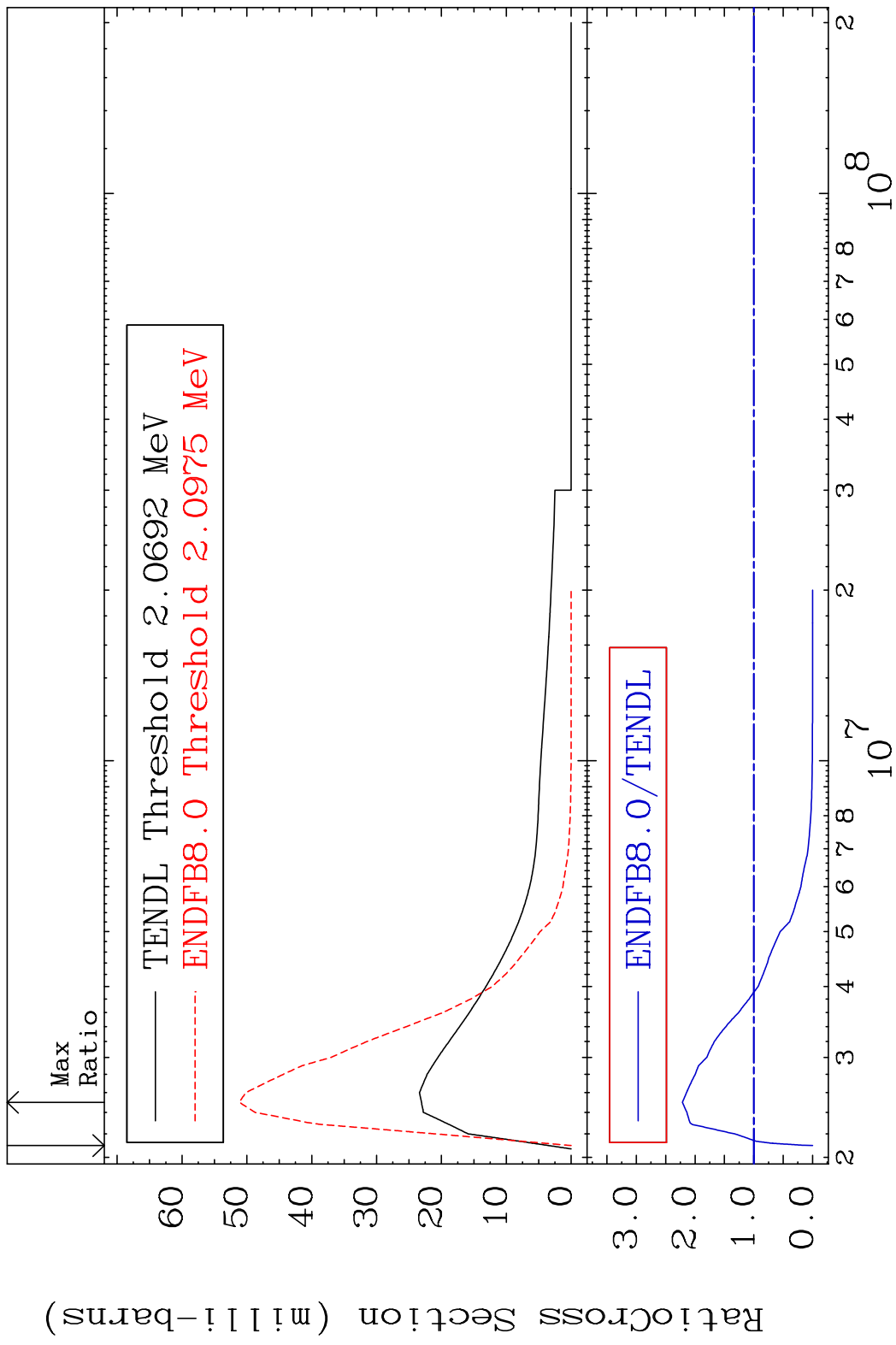
MAT 4034 MT= 66 (n,n') Level 40-Zr-93
 Cross Section -100.0 To 178.7 %



MAT 4034 MT= 67 (n,n') Level 40-Zr-93
 Cross Section -100.0 To -32.48%



MAT 4034 MT= 68 (n, n') Level 40-Zr-93
 Cross Section -100.0 To 121.6 %

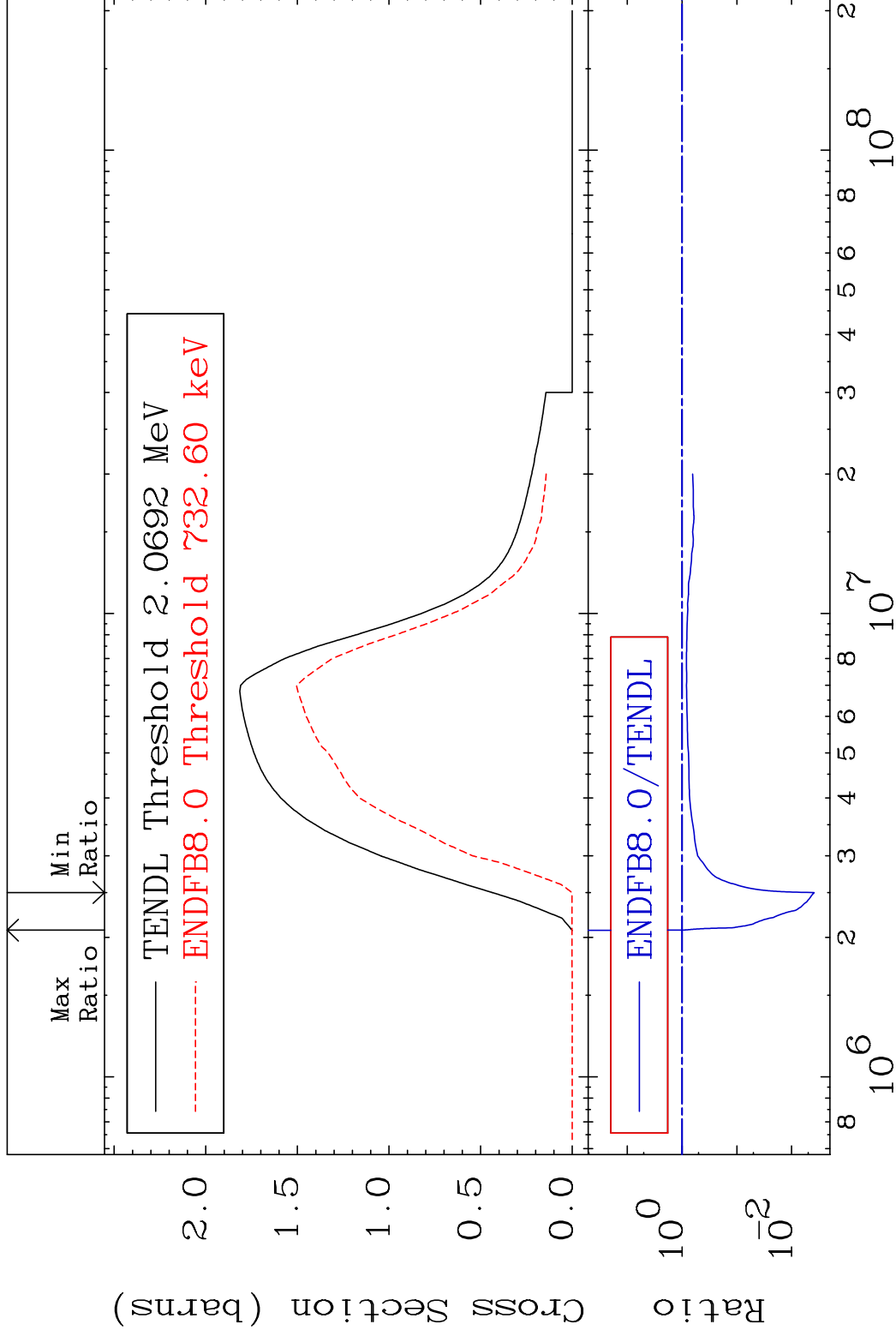


MAT 4034

(n,n') Continuum

40-Zr-93

Cross Section -99.61 To -6.498%



29

Incident Energy (eV)

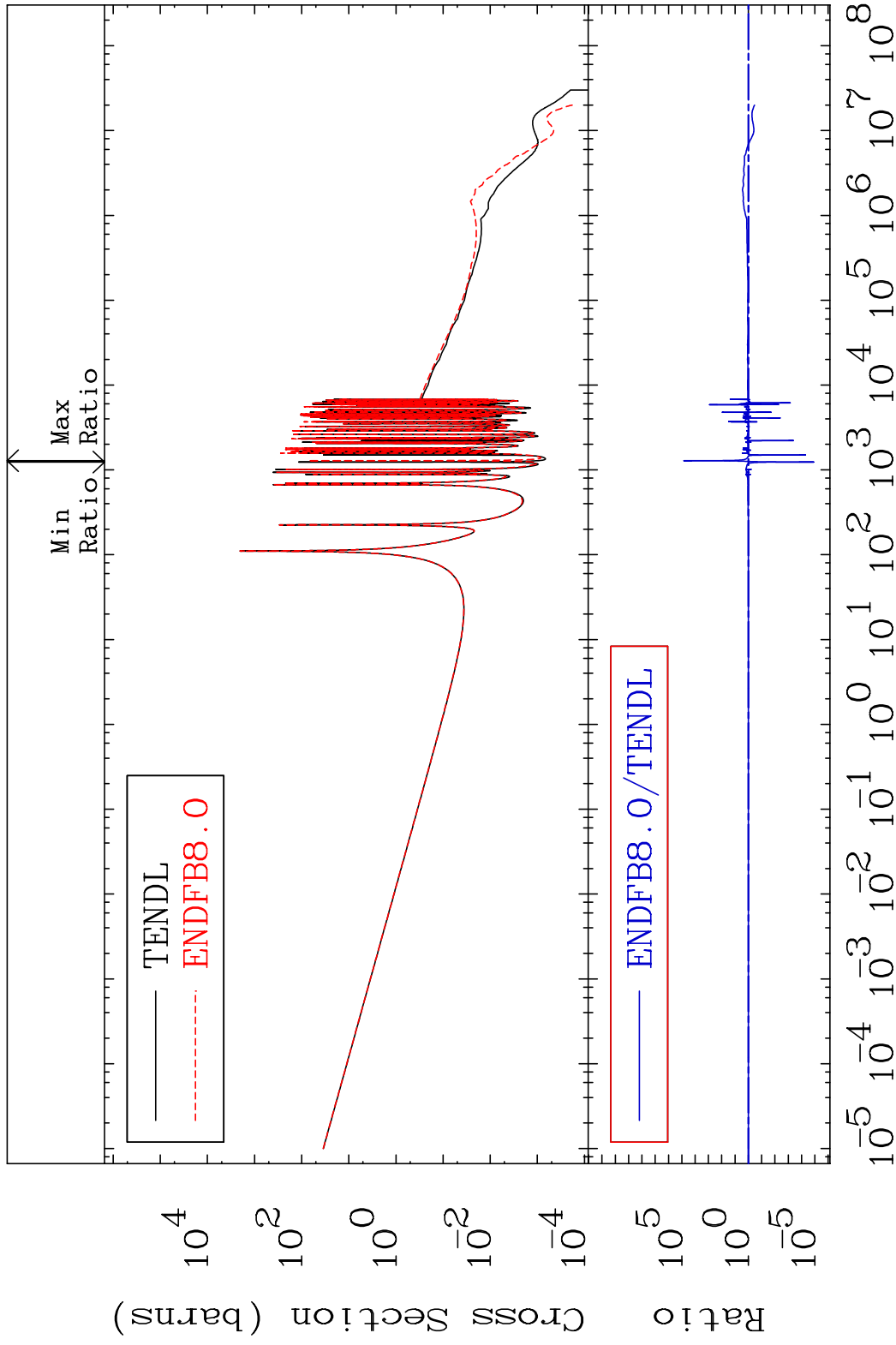
40-Zr-93

MAT 4034

(n, γ)

40-Zr-93

Cross Section -100.0 To 9999. %

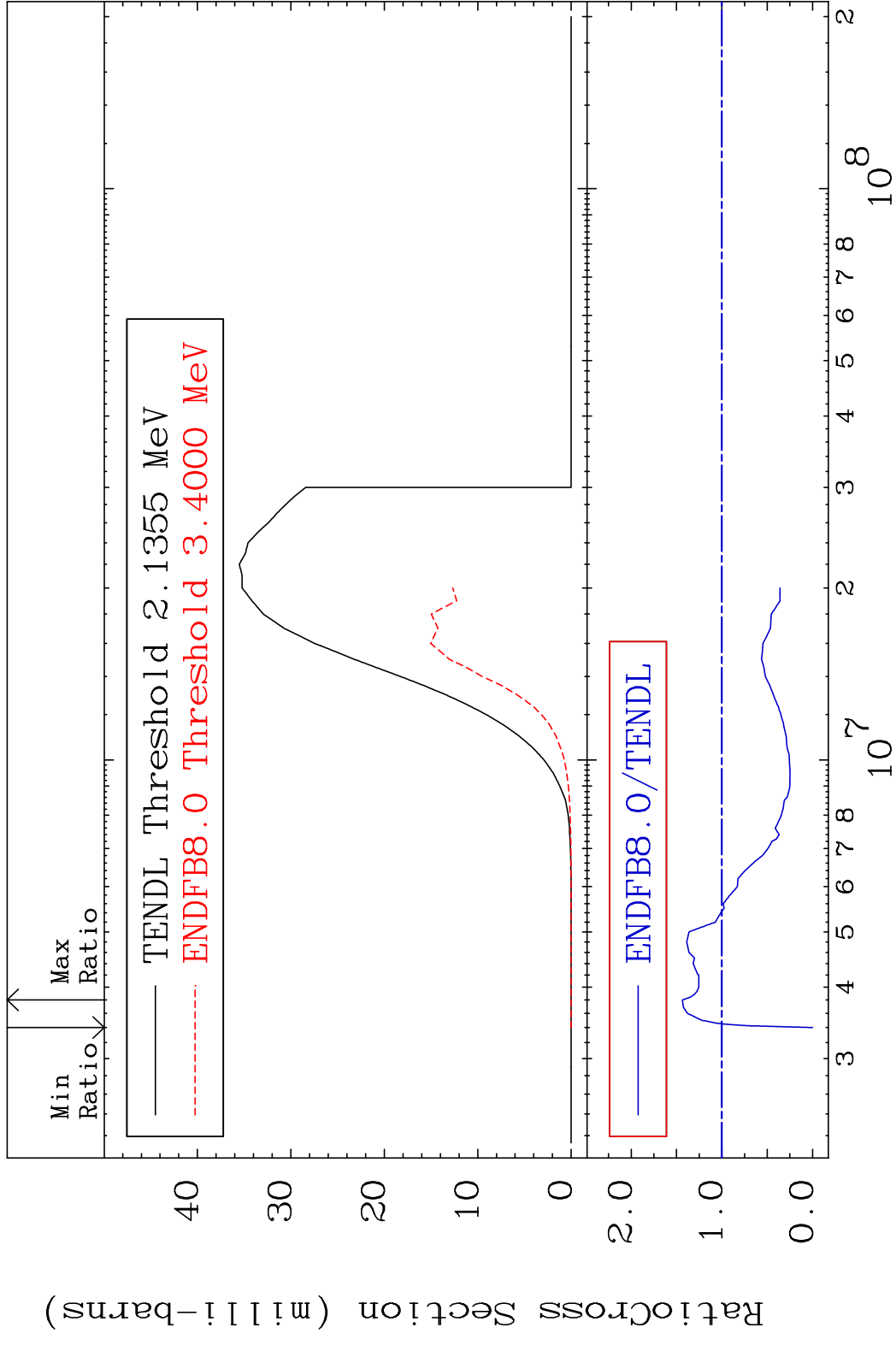


30

Incident Energy (eV)

40-Zr-93

MAT 4034 (n,p) 40-Zr-93
 Cross Section -100.0 To 43.60 %

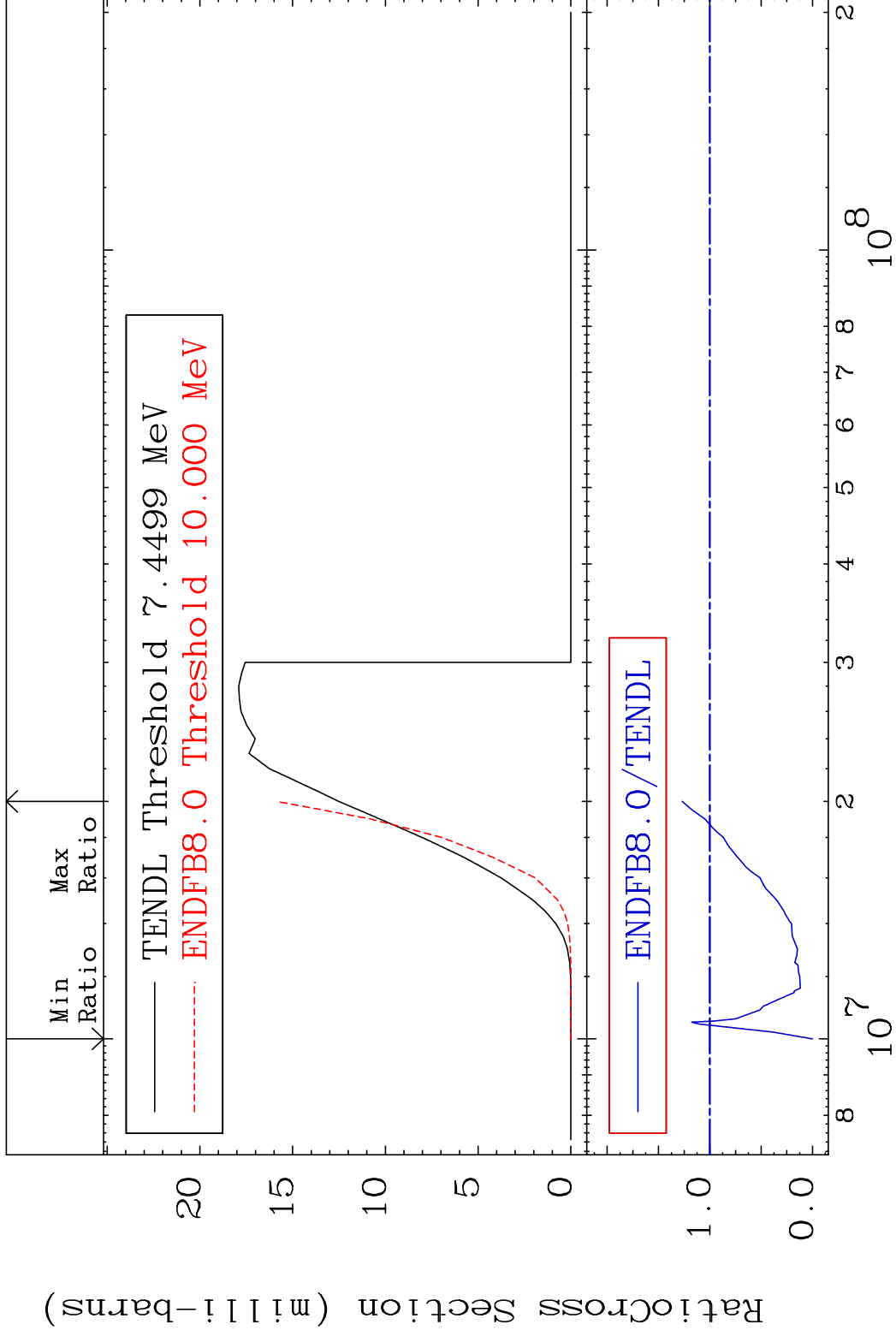


MAT 4034

(n, d)

40-Zr-93

Cross Section -100.0 To 26.97 %

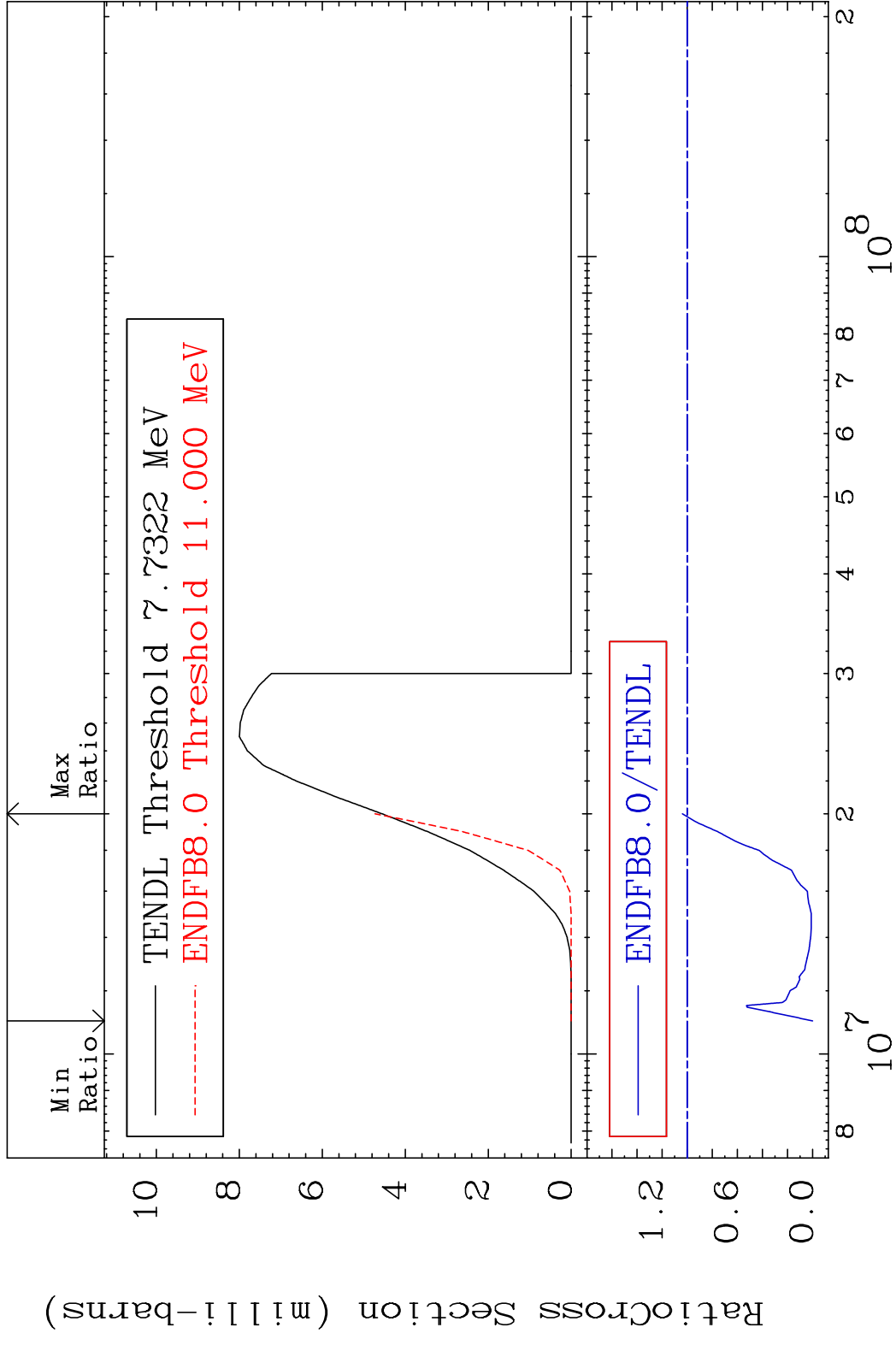


32

Incident Energy (eV)

40-Zr-93

MAT 4034 (n, t) 40-Zr-93
 Cross Section -100.0 To 3.781 %

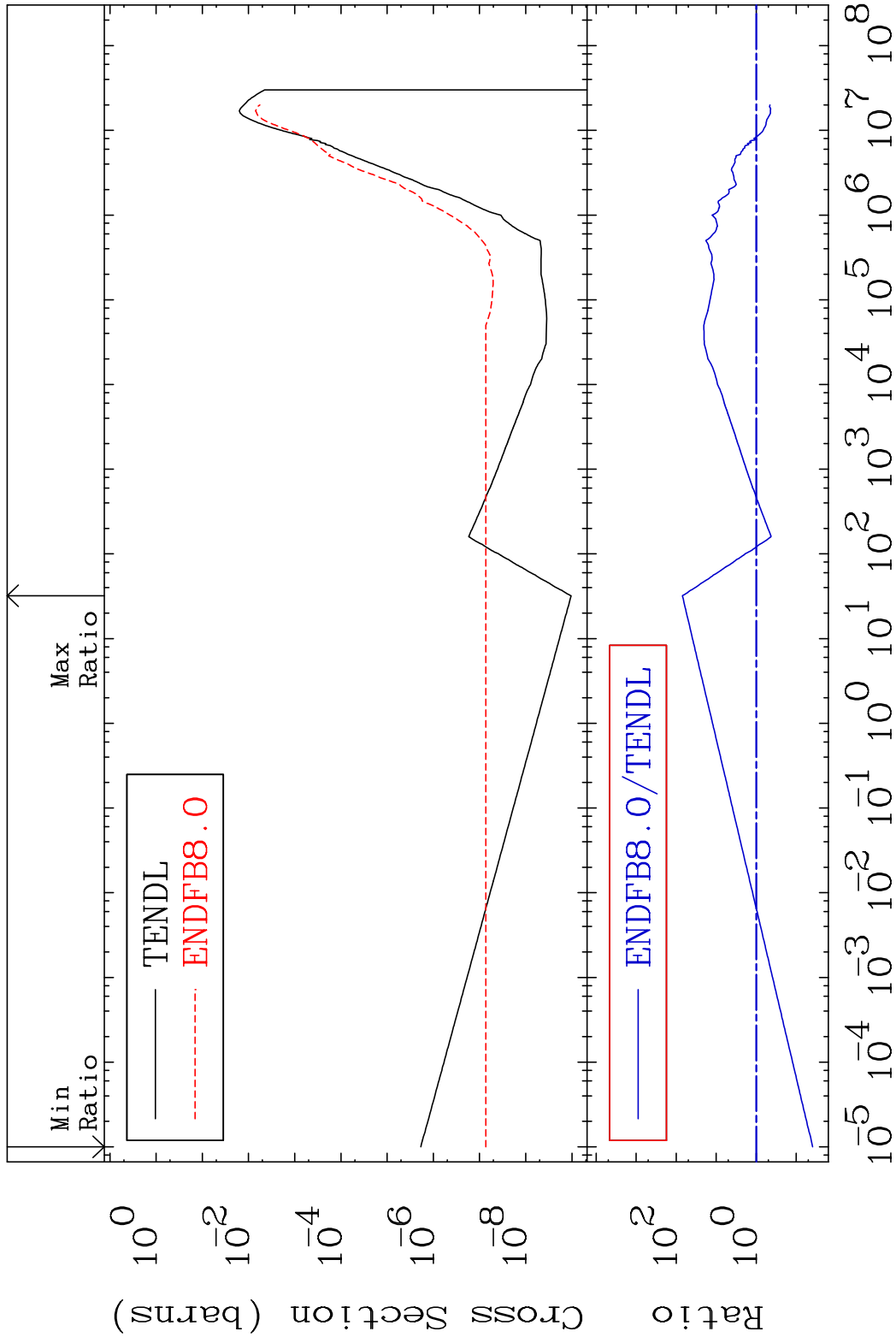


MAT 4034

(n, α)

40-Zr-93

Cross Section -96.08 To 6910. %



34

Incident Energy (eV)

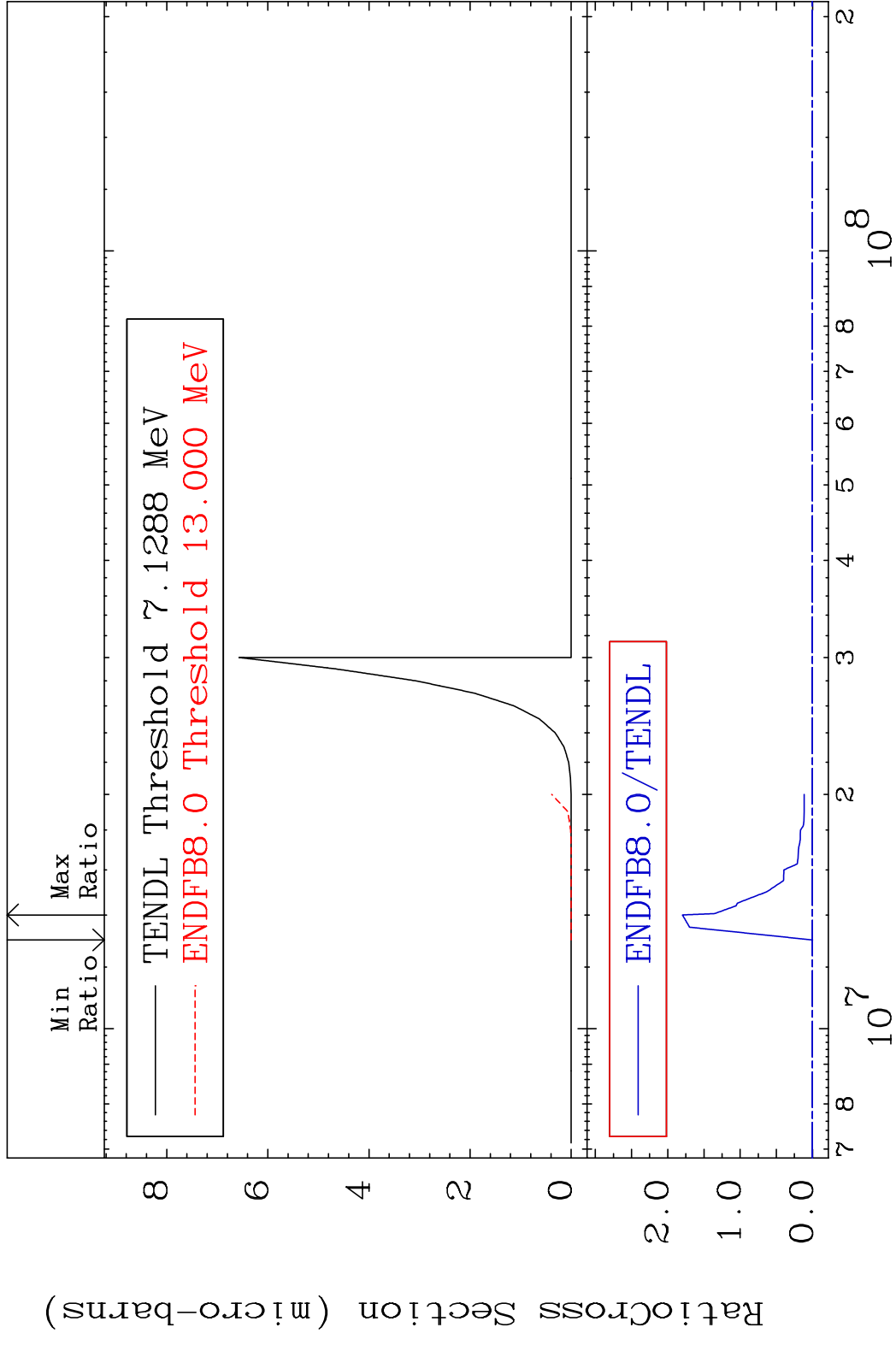
40-Zr-93

MAT 4034

(n,p) α

40-Zr-93

Cross Section -100.0 To 9999. %

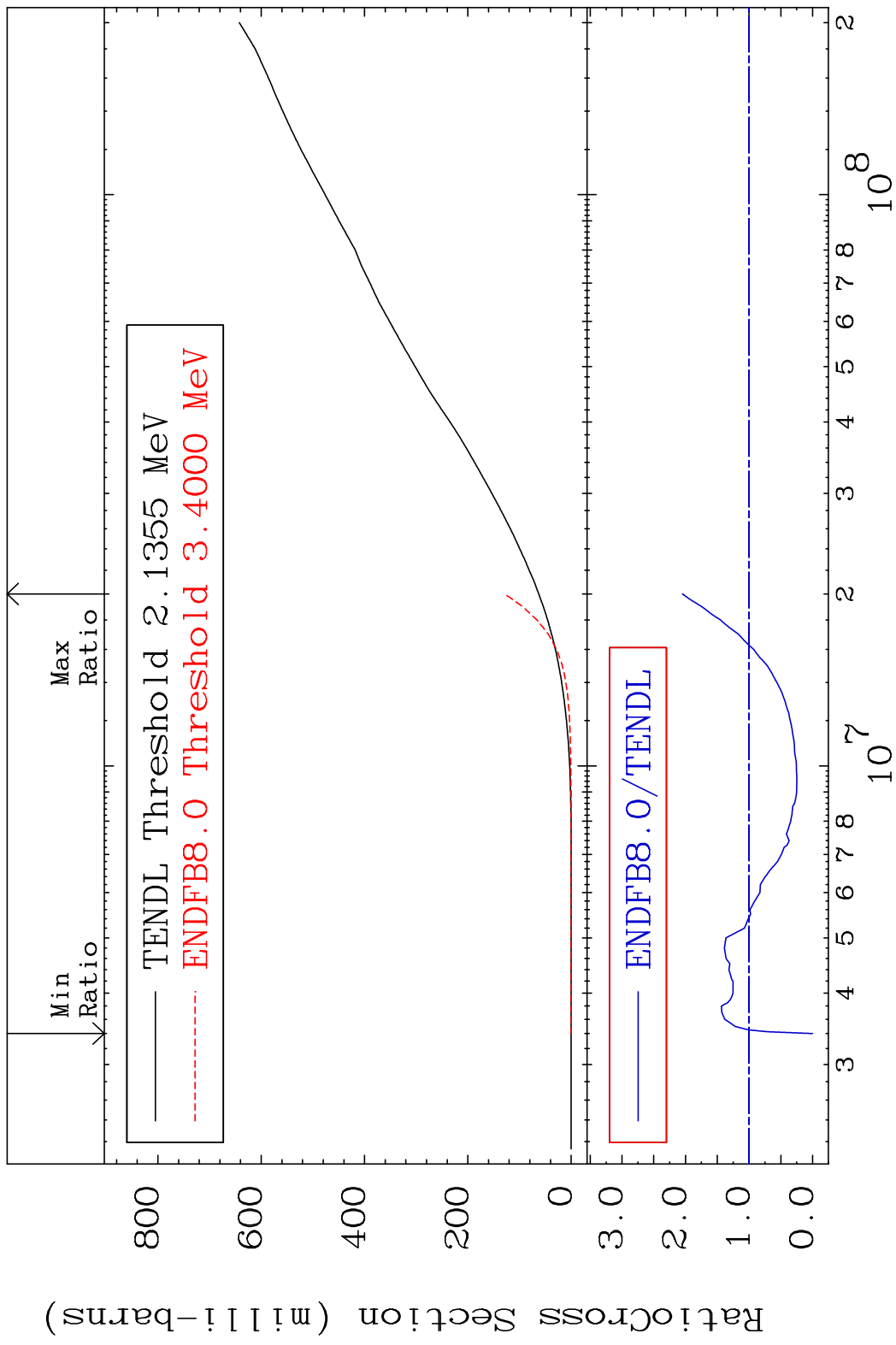


35

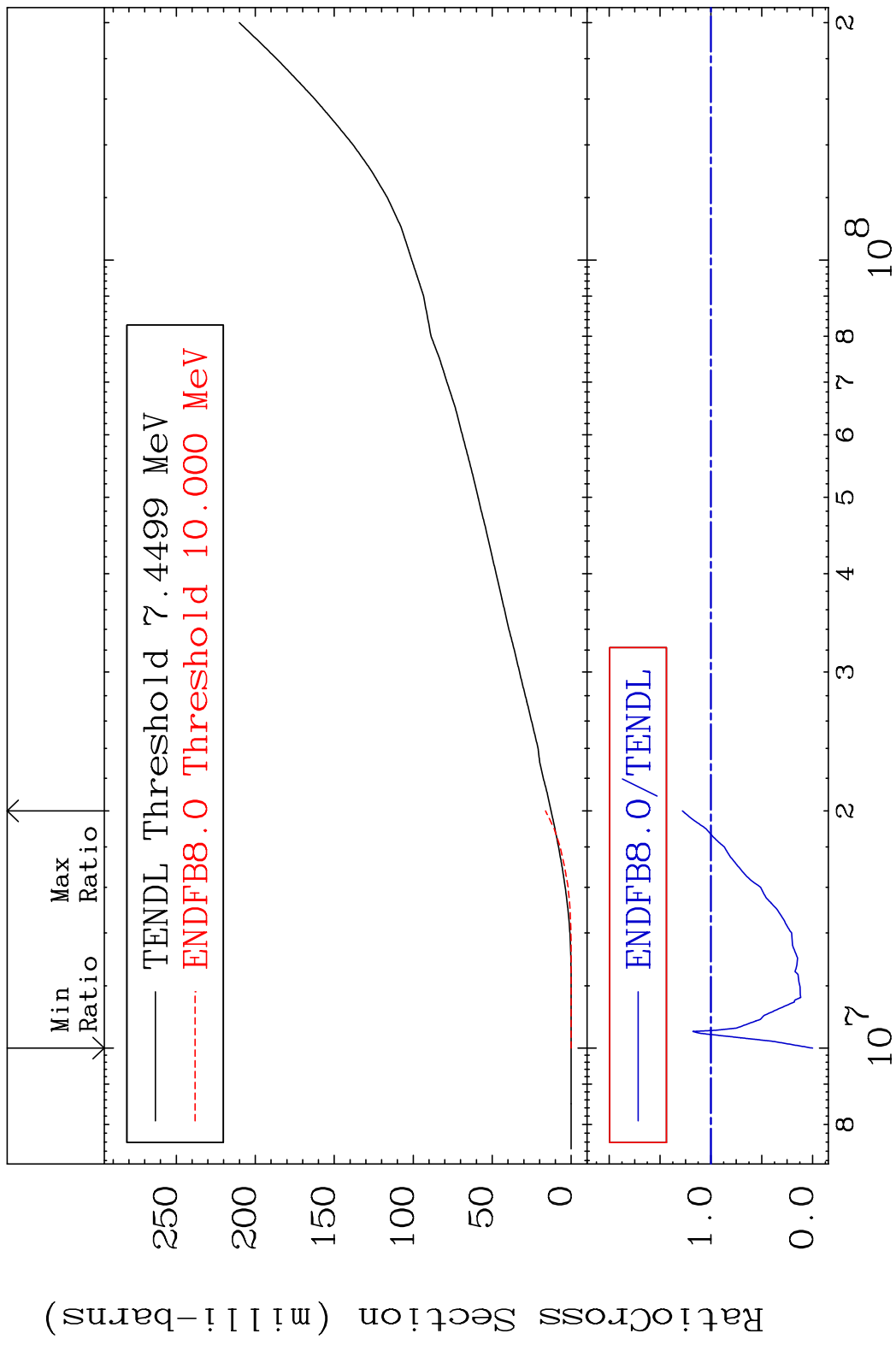
Incident Energy (eV)

40-Zr-93

MAT 4034 Hydrogen Production 40-Zr-93
 Cross Section -100.0 To 105.0 %



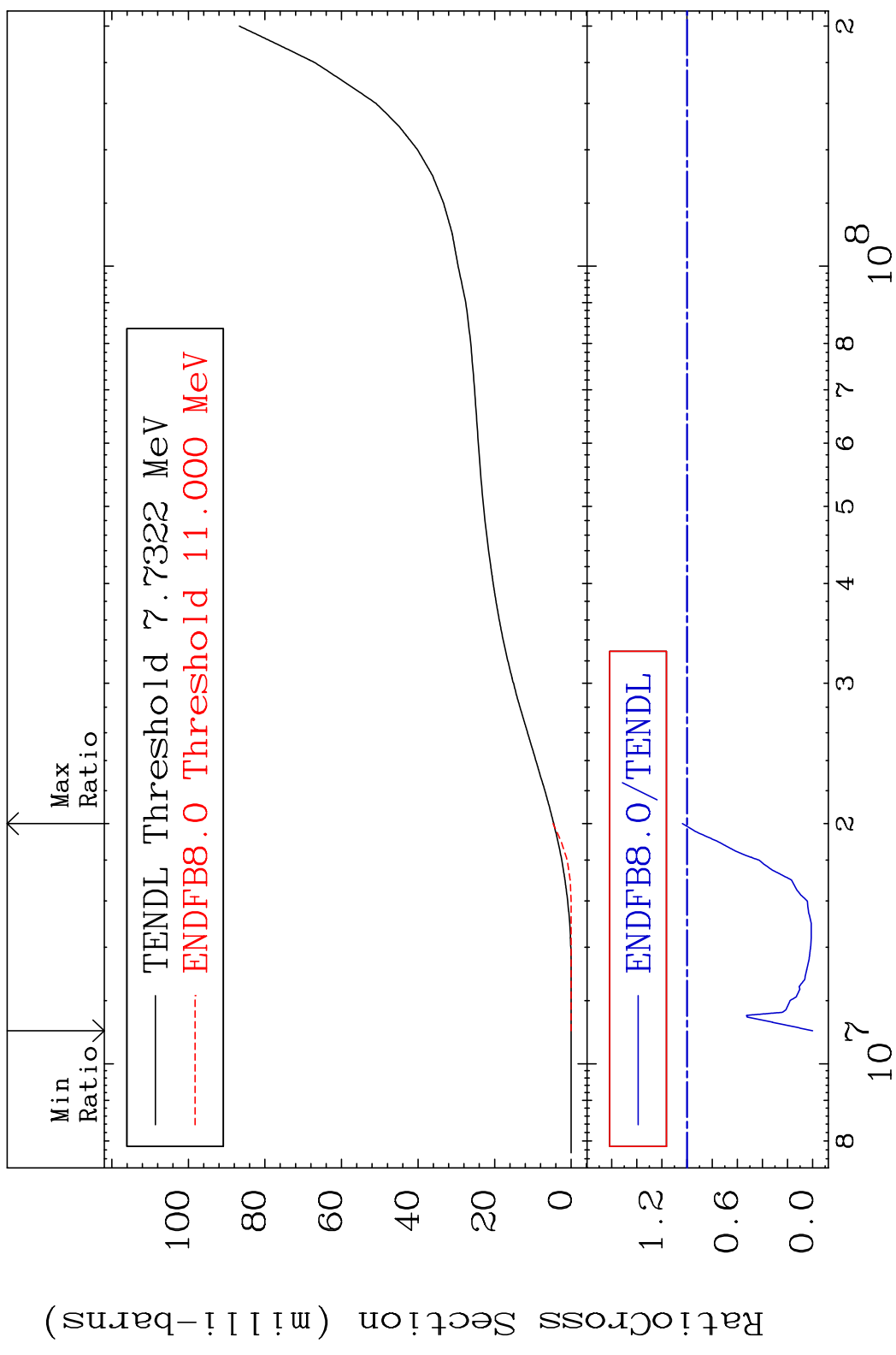
MAT 4034 Deuterium Production 40-Zr-93
 Cross Section -100.0 To 28.07 %



37 40-Zr-93

MAT 4034

Tritium Production 40-Zr-93
Cross Section -100.0 To 3.746 %



38

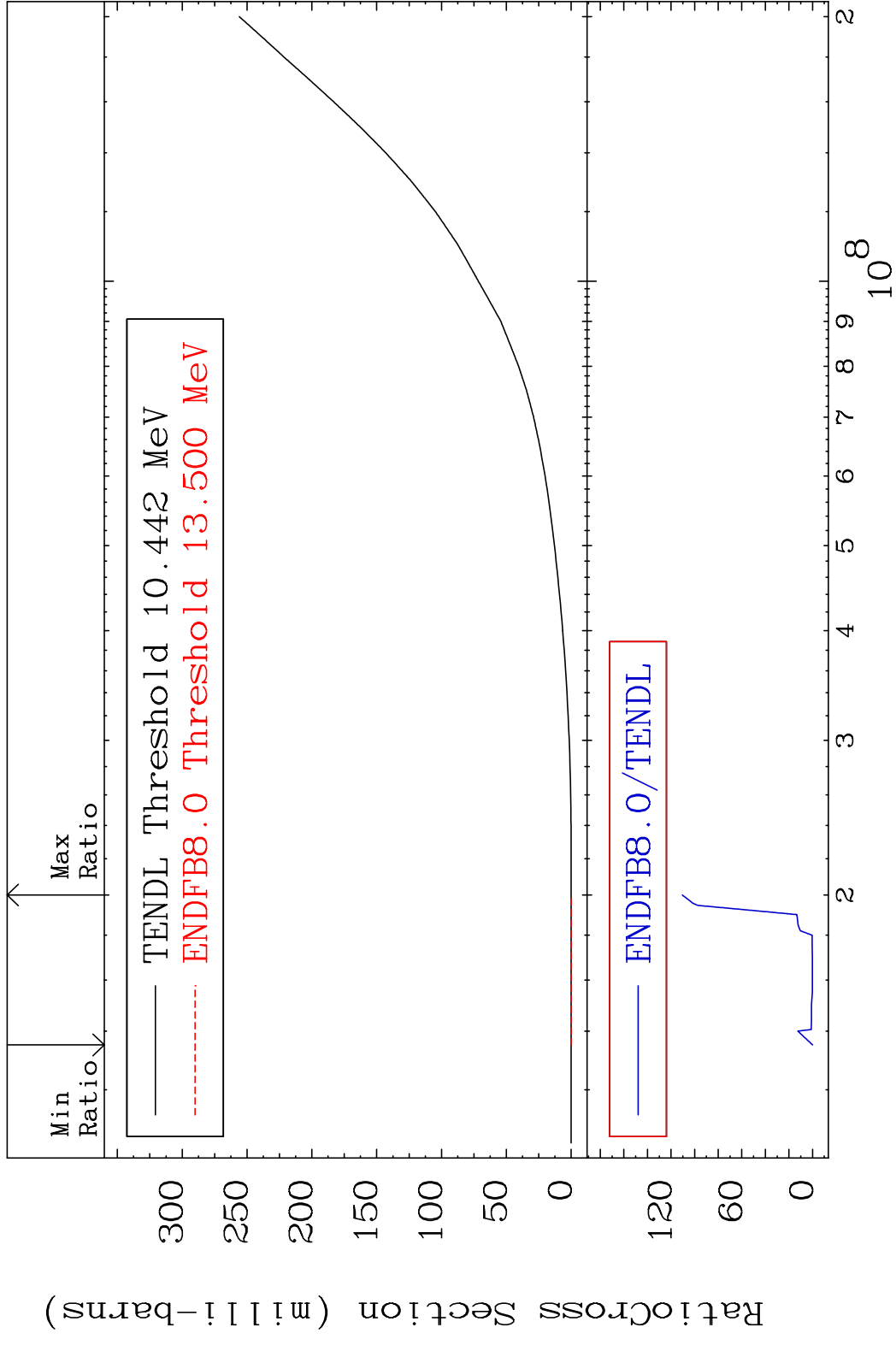
Incident Energy (eV) 40-Zr-93

MAT 4034

He-3 Production

40-Zr-93

Cross Section -100.0 To -99.99%

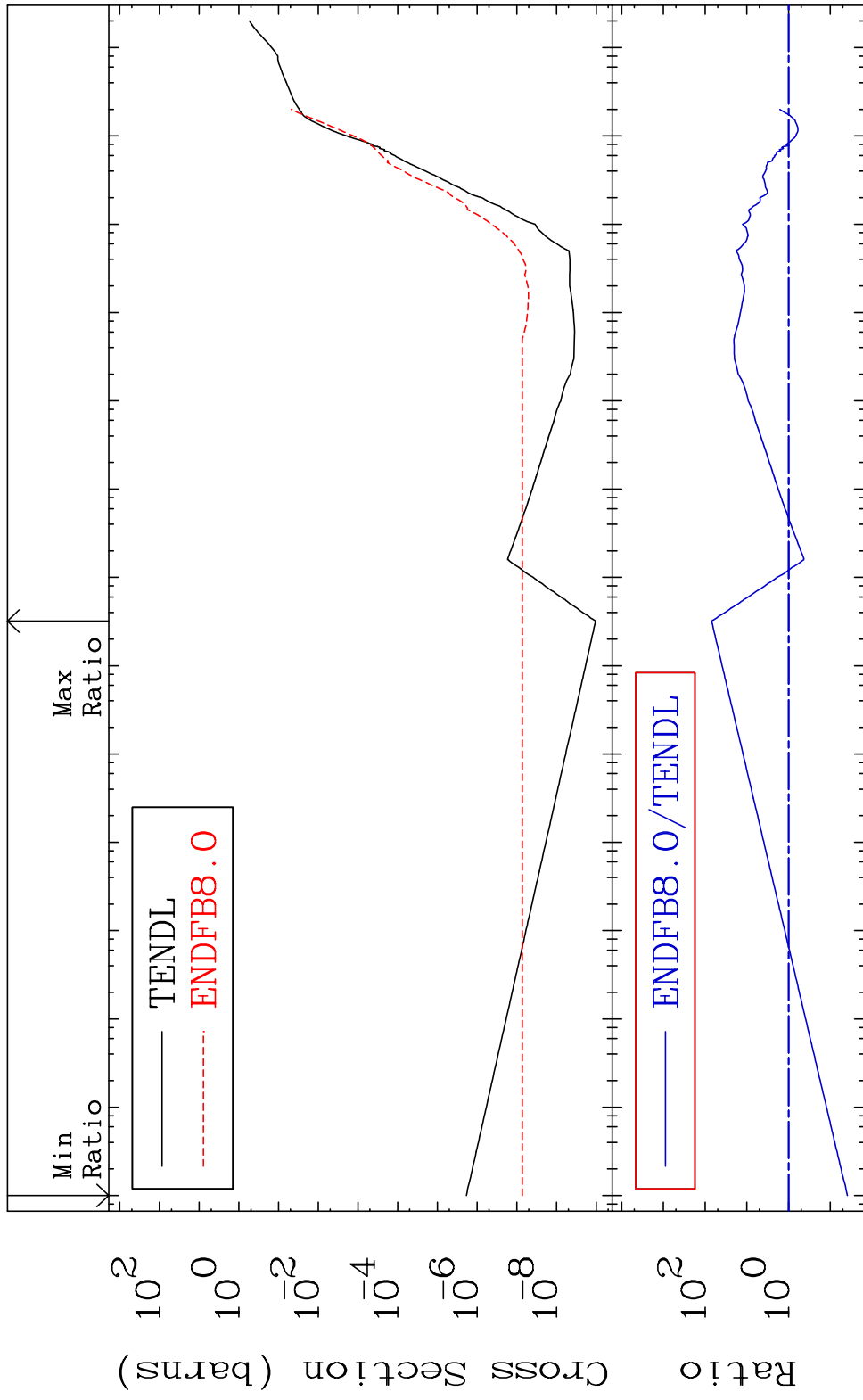


MAT 4034

He-4 Production

40-Zr-93

Cross Section -96.08 To 6910. %



10^2

10^0

10^{-2}

10^{-4}

10^{-6}

10^{-8}

10^2

10^0

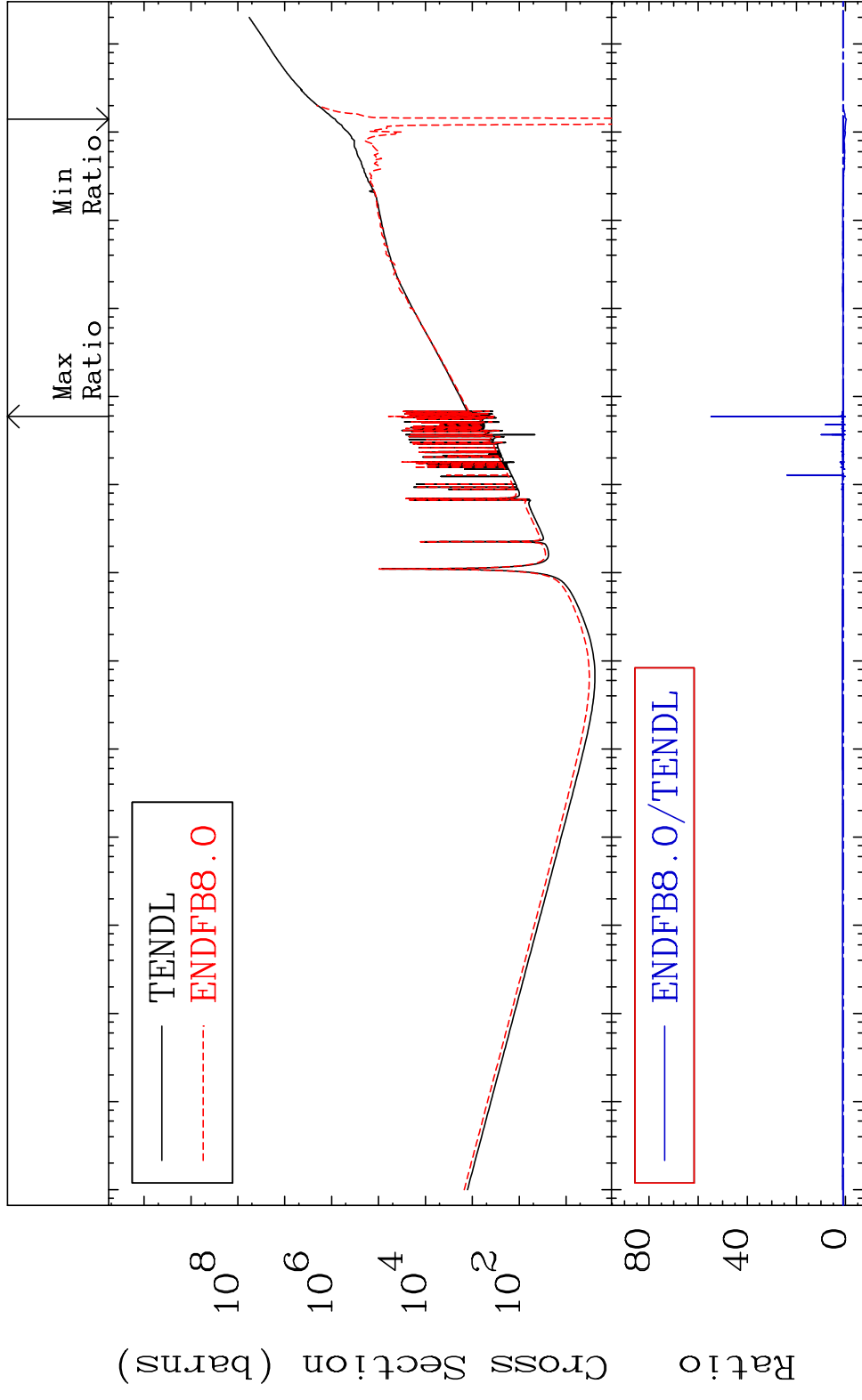
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

40

Incident Energy (eV)

40-Zr-93

MAT 4034 Kerma total (eV-barns) 40-Zr-93
 Cross Section -133.8 To 5389. %



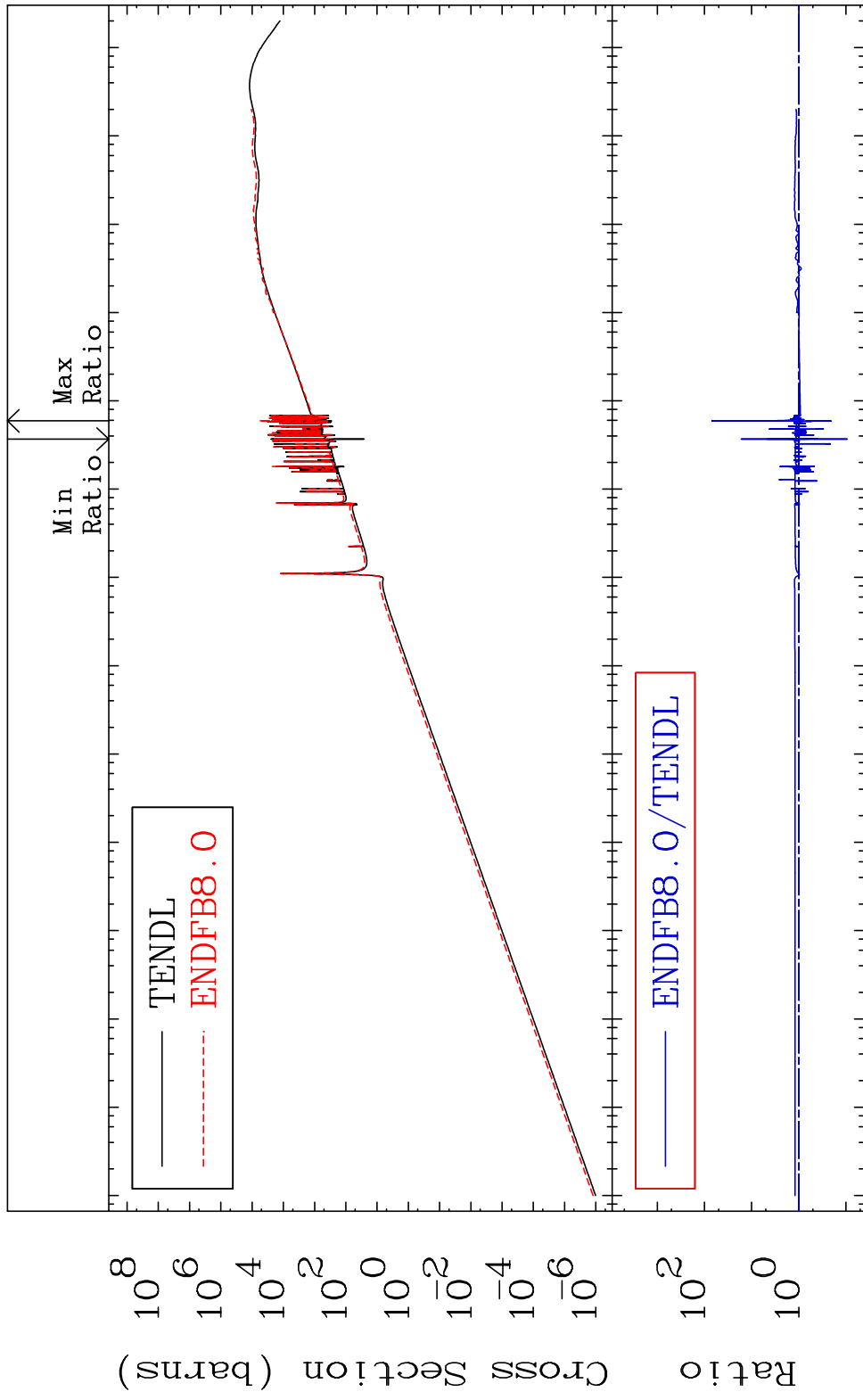
41 Incident Energy (eV) 40-Zr-93

MAT 4034

Kerma elastic
Cross Section

40-Zr-93

-90.64 To 6977. %



10^8
 10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
Cross Section (barns)

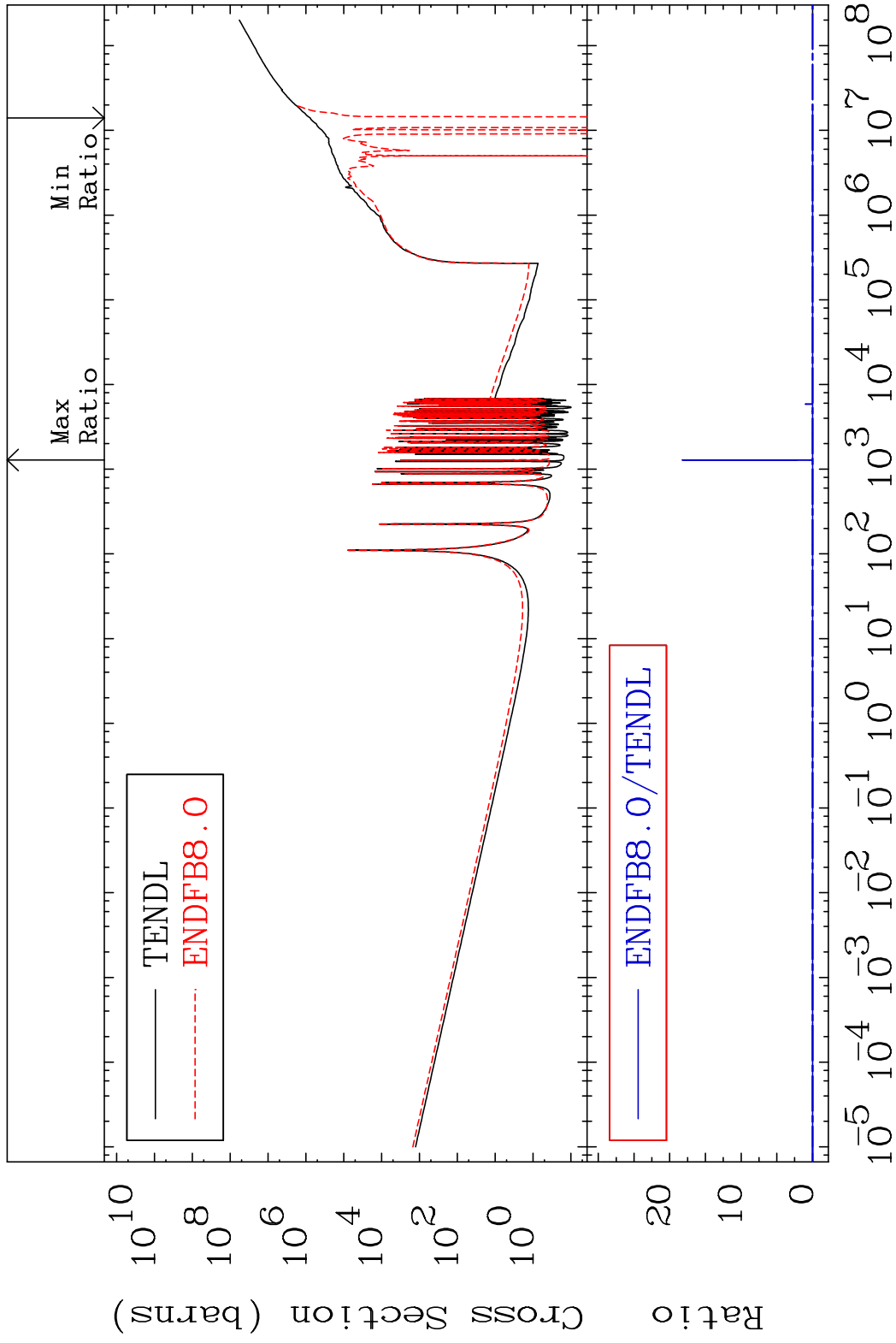
10^2
 10^0
Ratio

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
Incident Energy (eV)

42

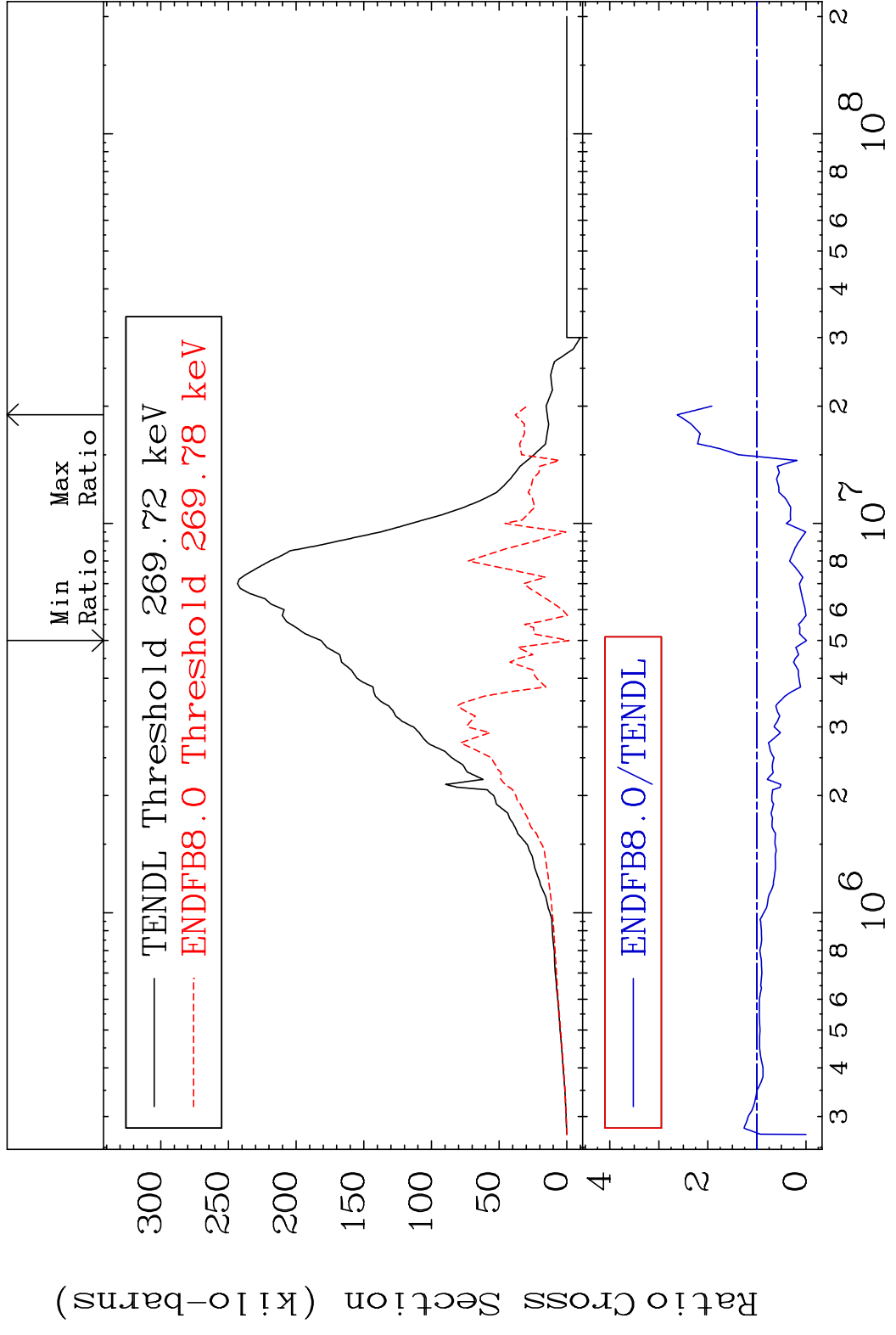
40-Zr-93

MAT 4034 Kerma non-elastic (all but mt2) 40-Zr-93
 Cross Section -148.7 To 9999. %



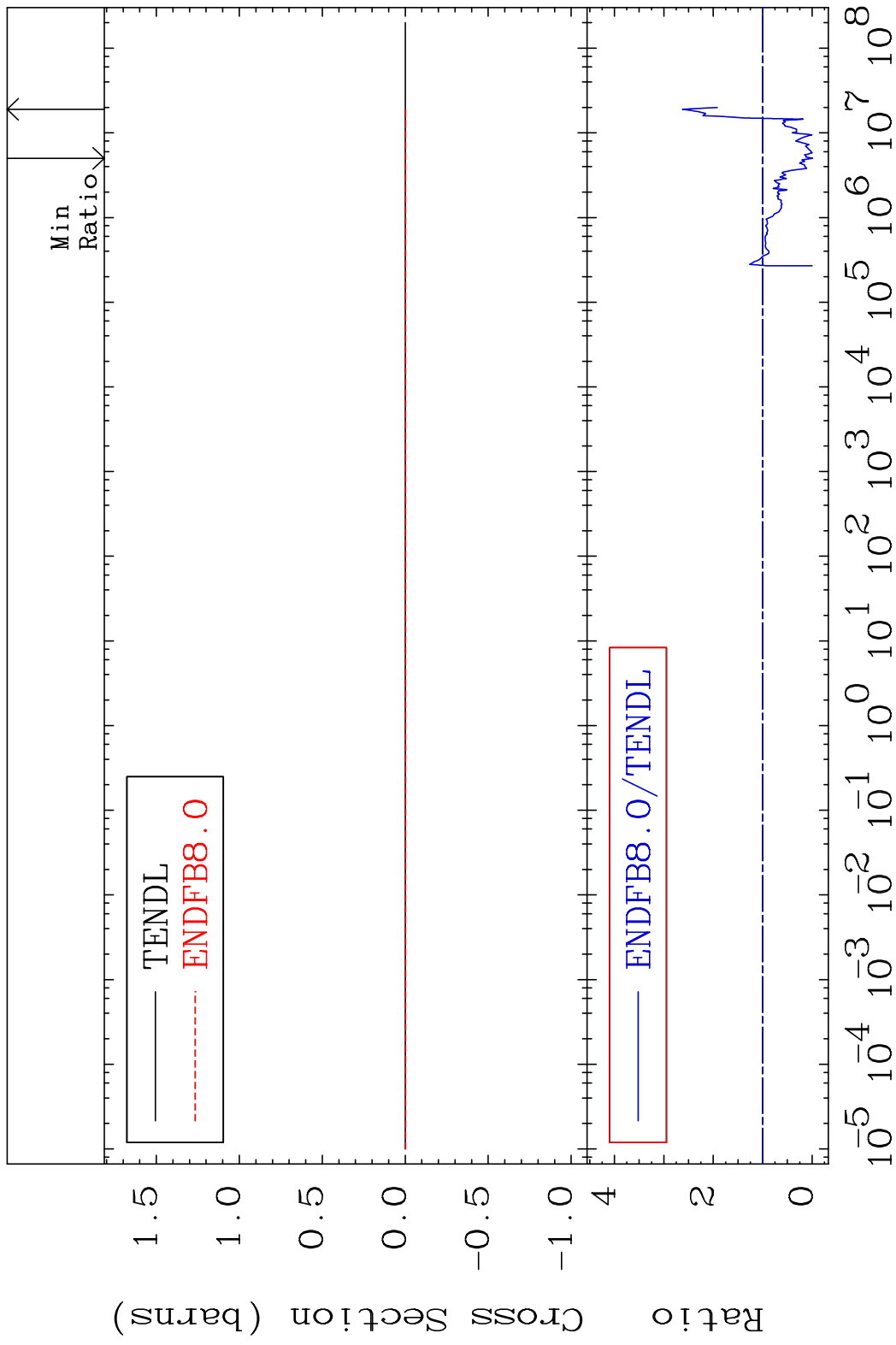
43 Incident Energy (eV) 40-Zr-93

MAT 4034 Kerma inelastic (mt51-91) 40-Zr-93
 Cross Section -100.9 To 162.6 %

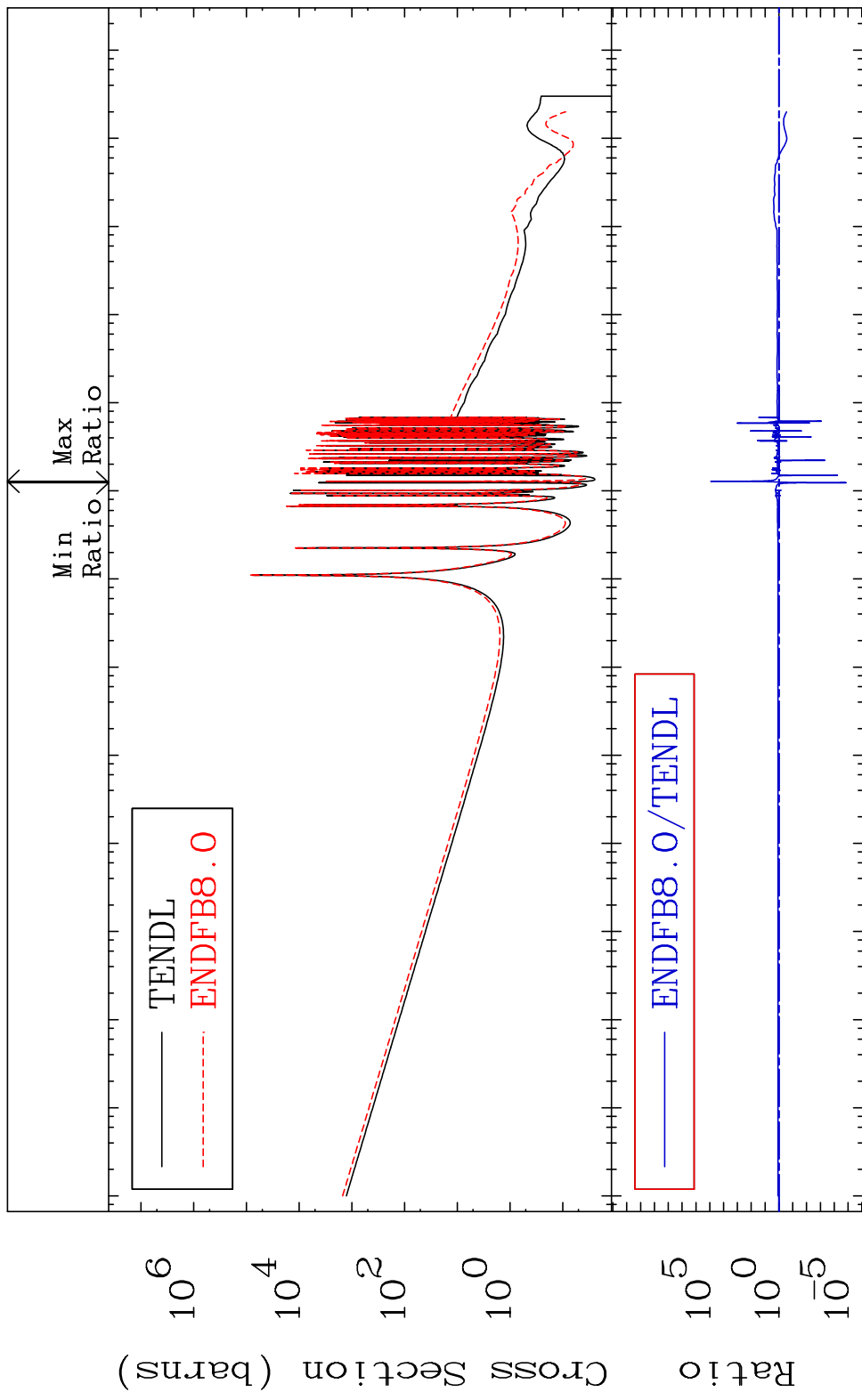


44 40-Zr-93

MAT 4034 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-93
Cross Section -100.9 To 162.6 %

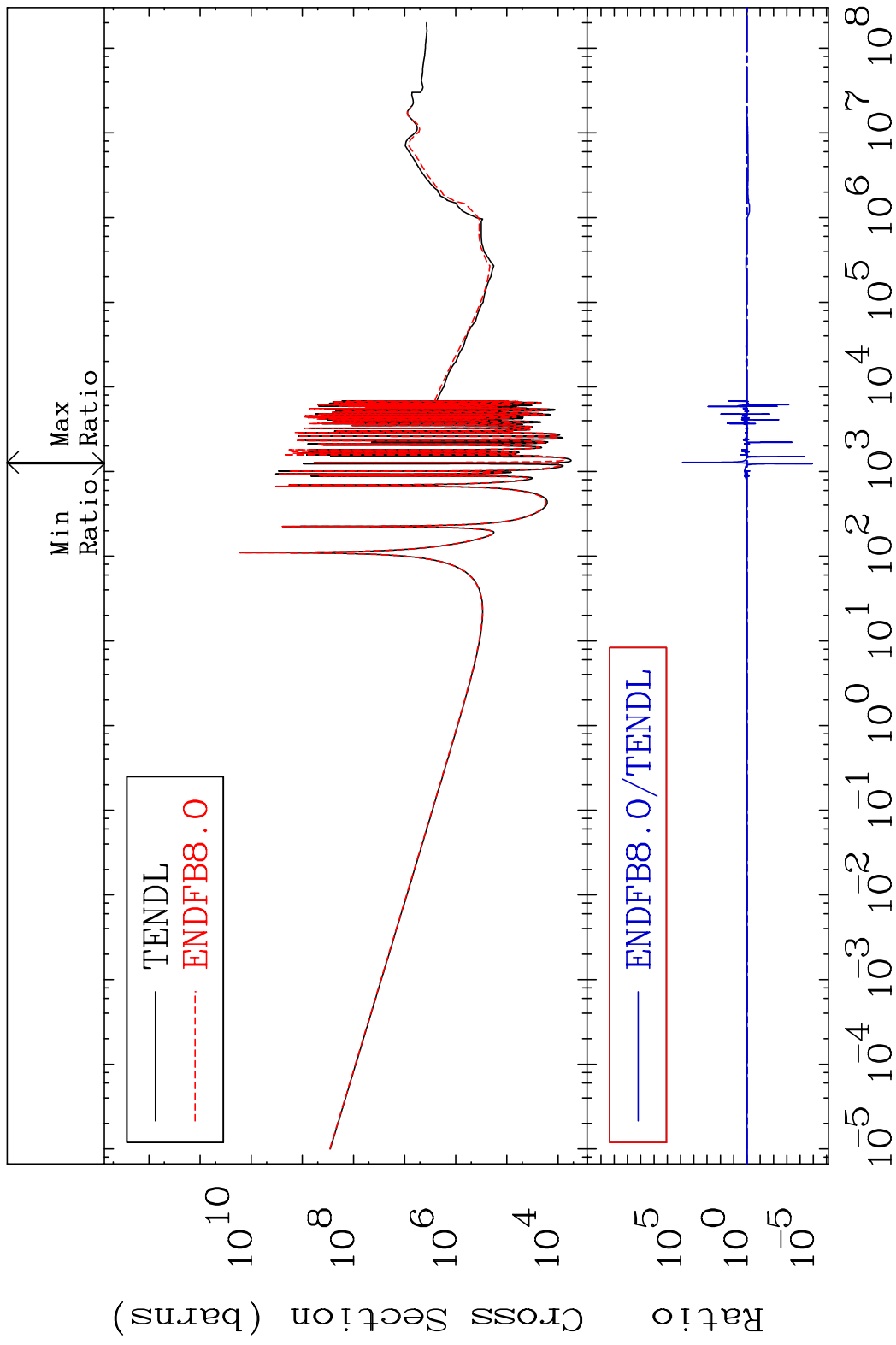


MAT 4034 Kerma capture (mt102) 40-Zr-93
 Cross Section -100.0 To 9999. %



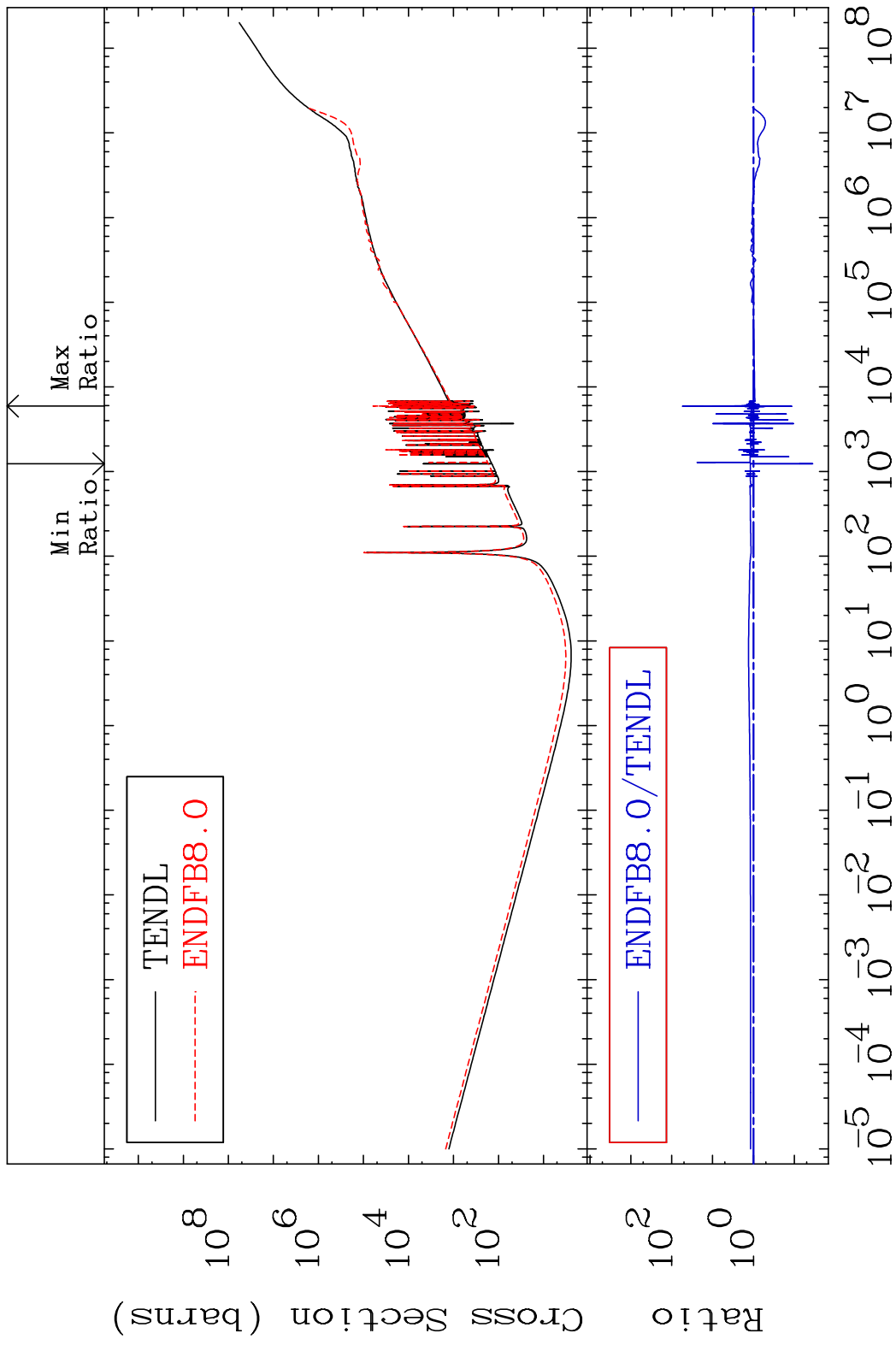
46 Incident Energy (eV) 40-Zr-93

MAT 4034 Total photon (eV-barns) 40-Zr-93
 Cross Section -100.0 To 9999. %

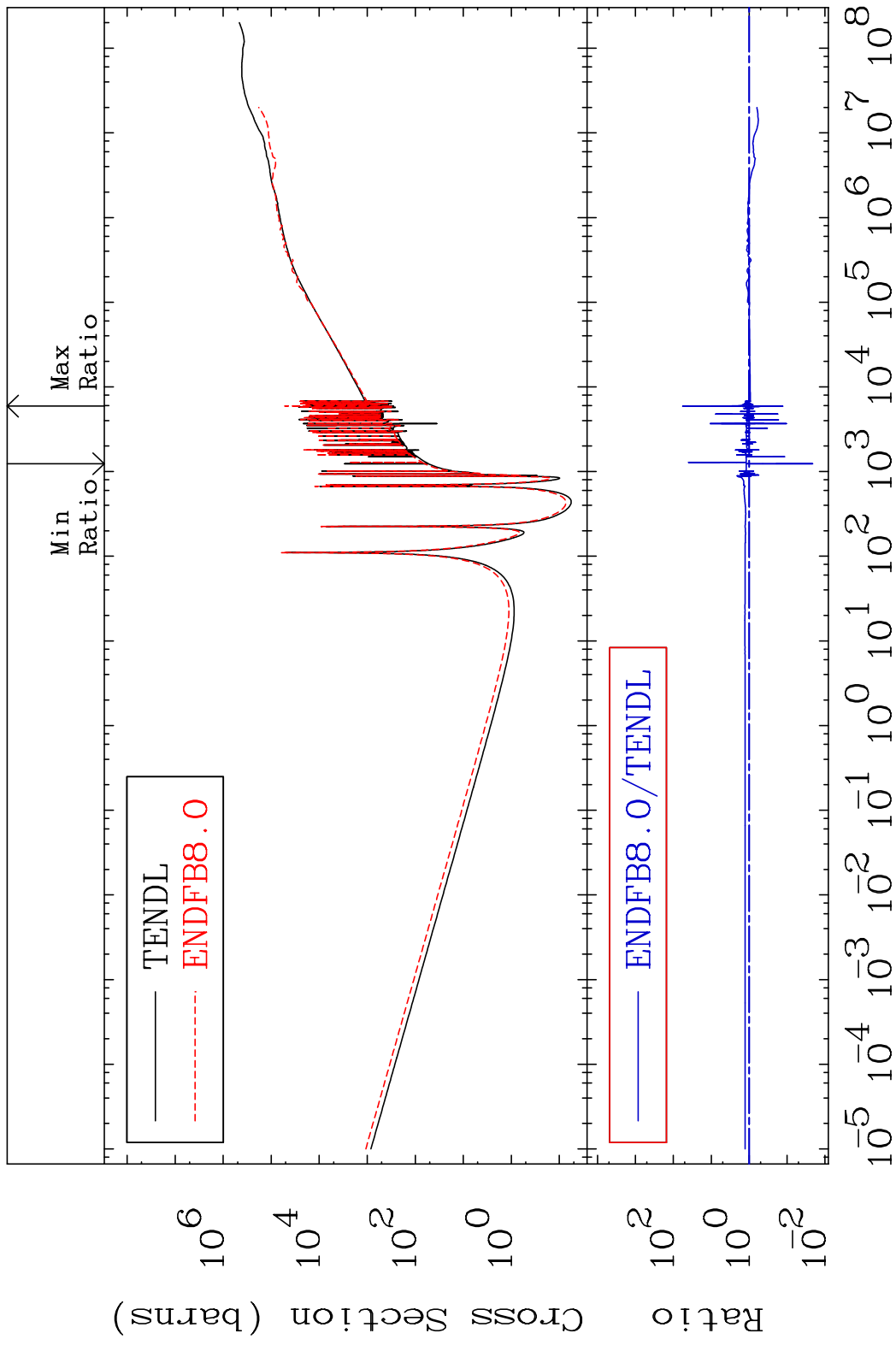


47 Incident Energy (eV) 40-Zr-93

MAT 4034 Total kinematic kerma (high limit) 40-Zr-93
 Cross Section -96.41 To 5389. %



MAT 4034 Dpa total (eV-barns) 40-Zr-93
 Cross Section -97.87 To 5681. %



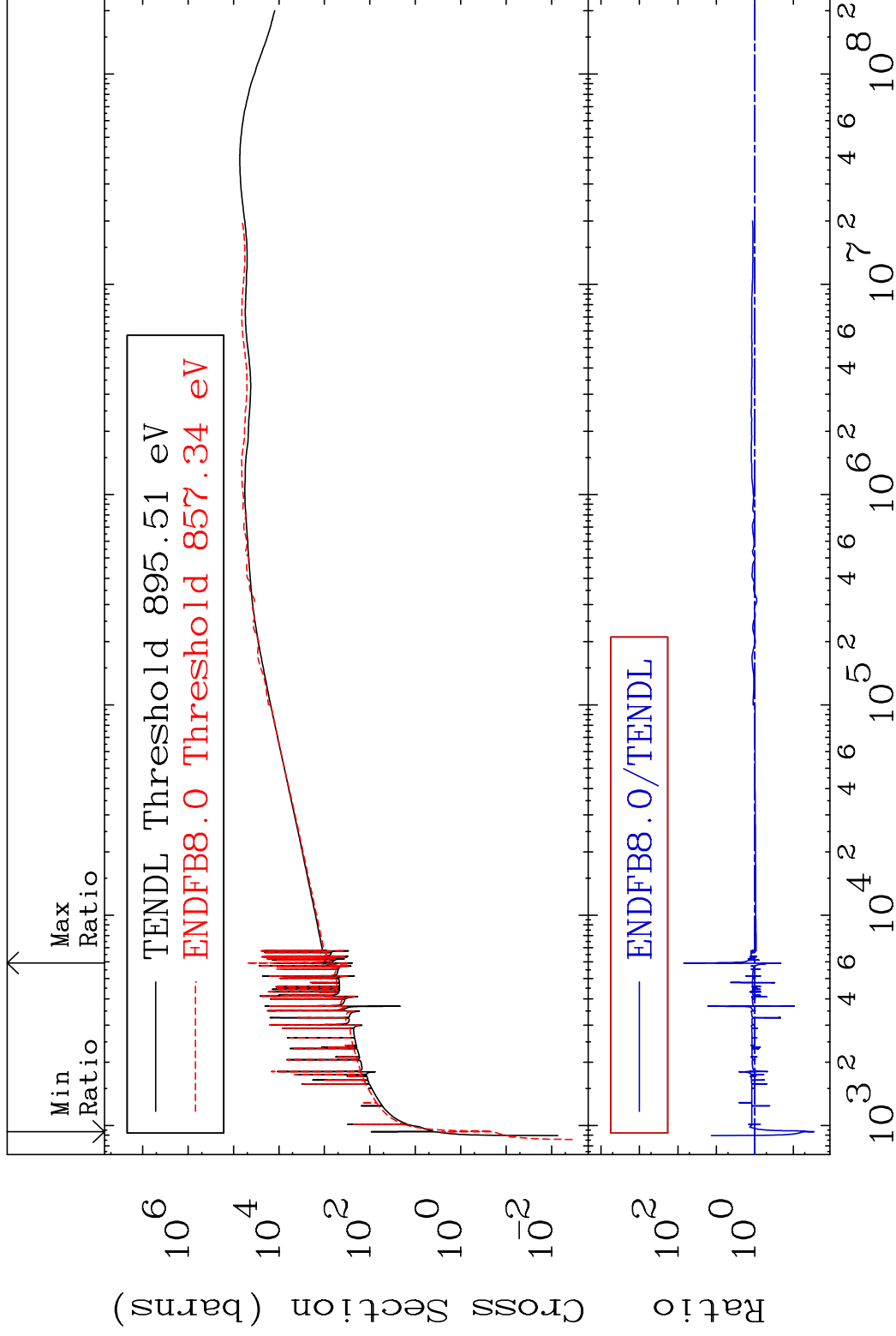
49 Incident Energy (eV) 40-Zr-93

MAT 4034

Dpa elastic (mt2)

40-Zr-93

Cross Section -97.13 To 6977. %

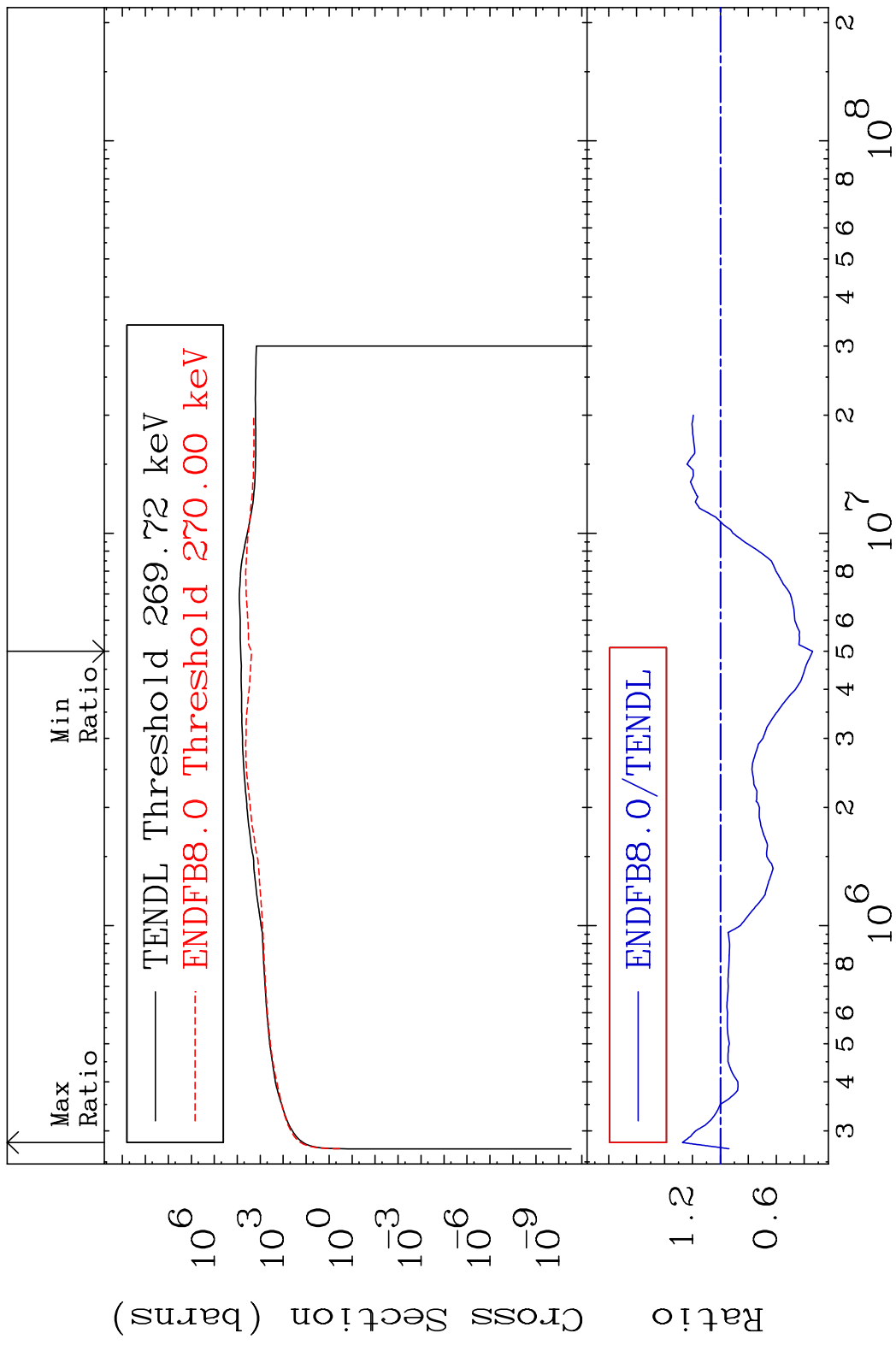


50

Incident Energy (eV)

40-Zr-93

MAT 4034 Dpa inelastic (mt51-91) 40-Zr-93
 Cross Section -65.96 To 27.26 %



MAT 4034 Dpa disappearance (mt102 -120) 40-Zr-93
 Cross Section -100.0 To 9999. %

