

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

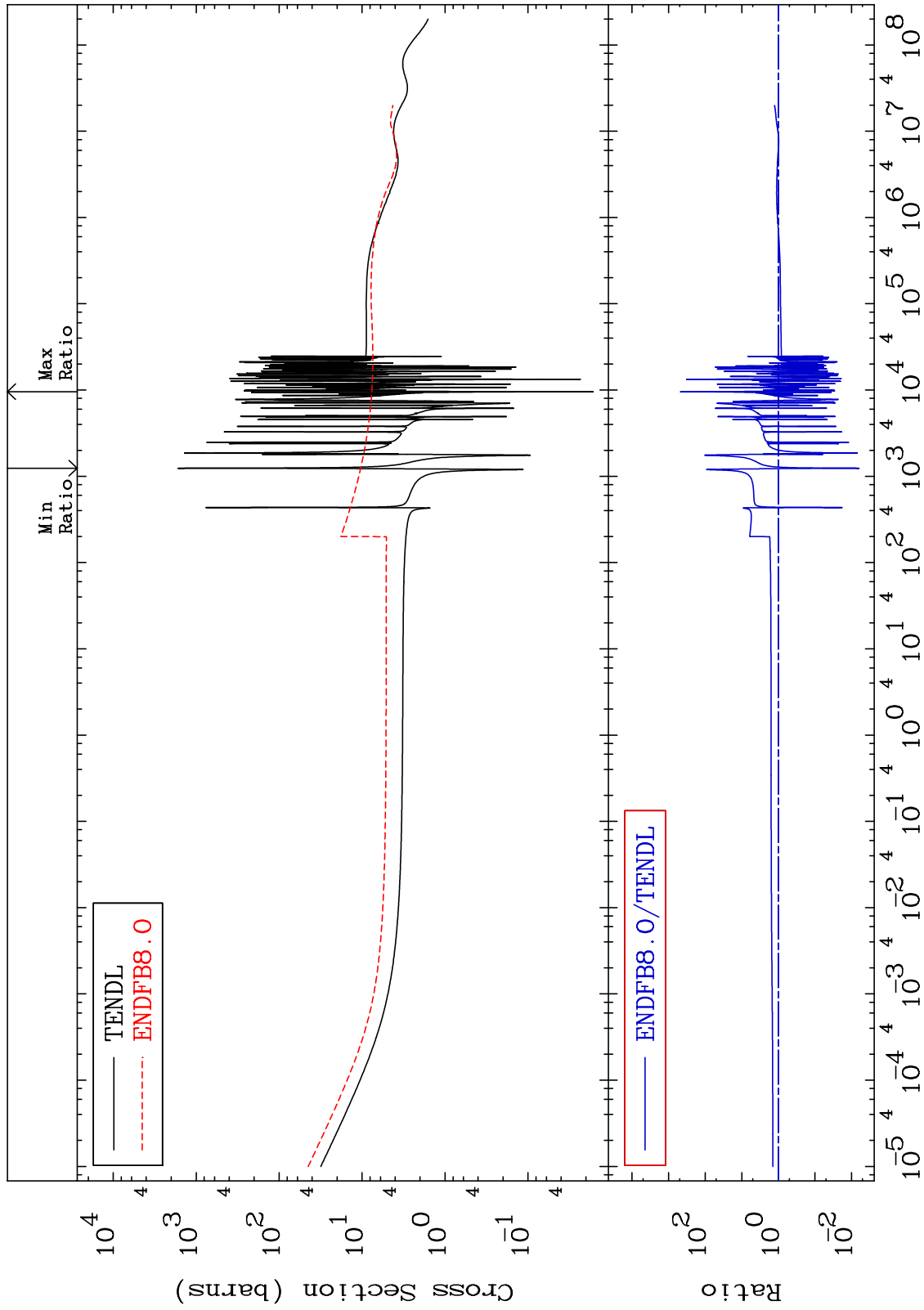
MAT 4425

Total

44-Ru-96

Cross Section

-99.38 To 9999. %



1

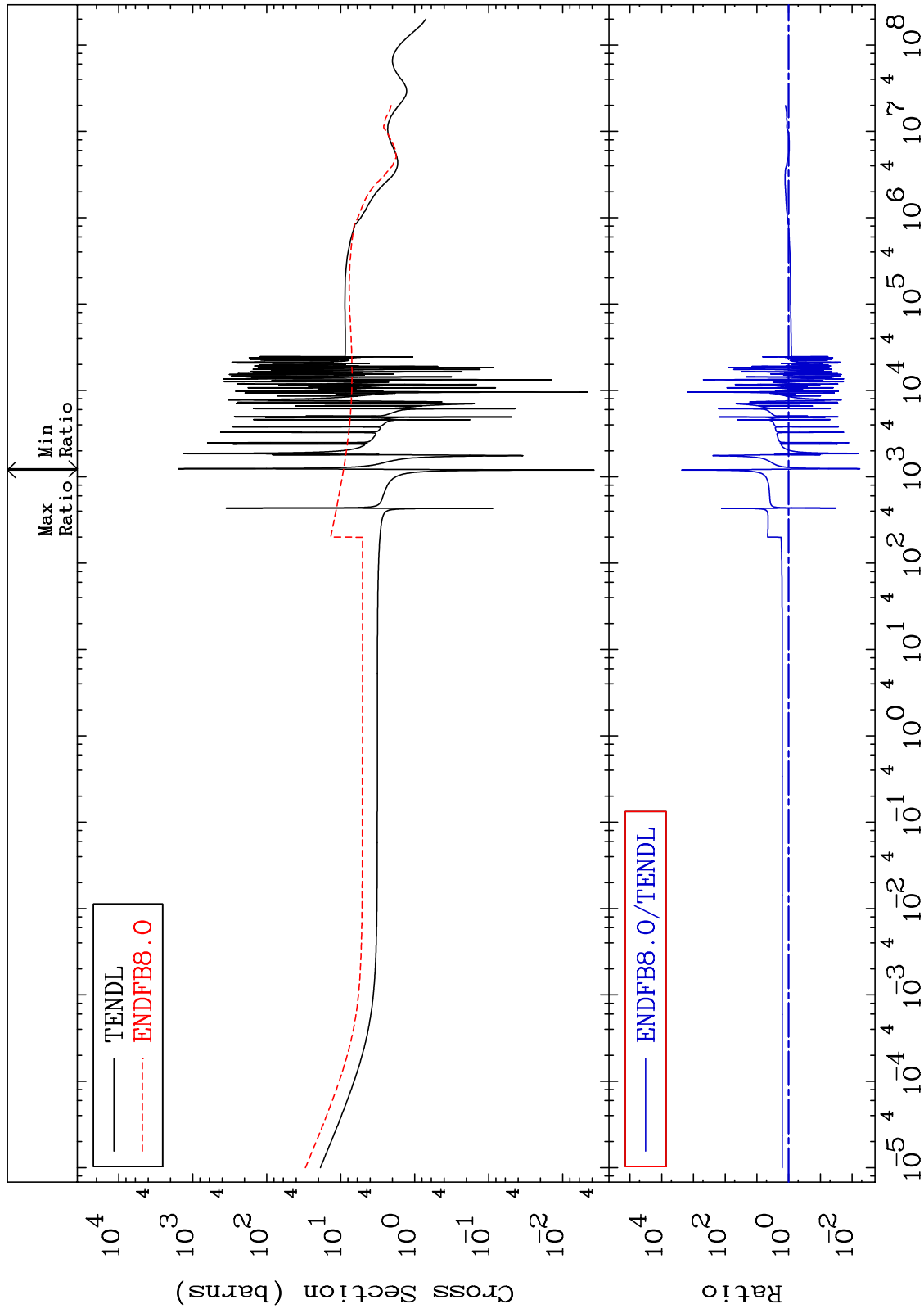
Incident Energy (eV)

44-Ru-96

MAT 4425

Elastic
Cross Section

44-Ru-96
-99.42 To 9999. %



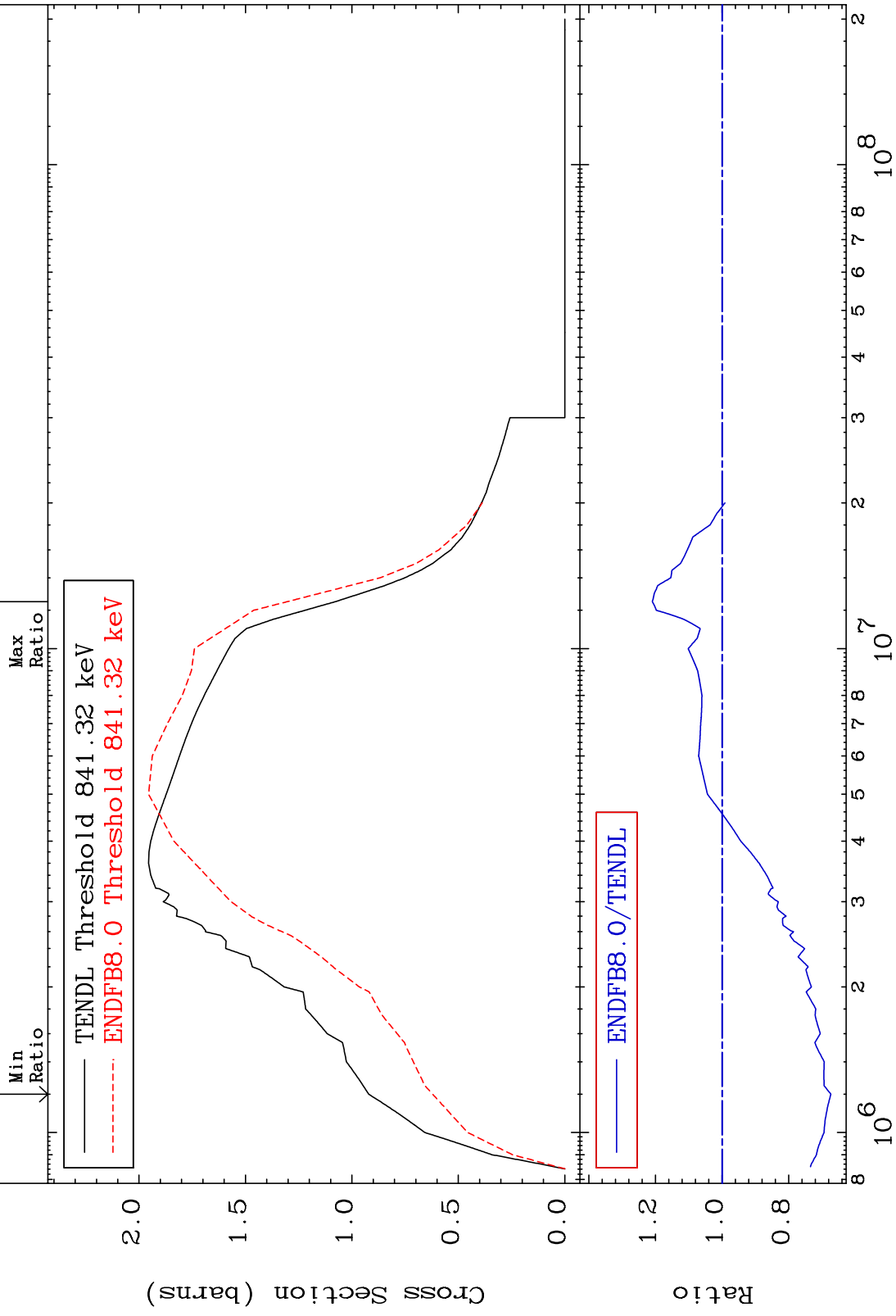
2

Incident Energy (eV)

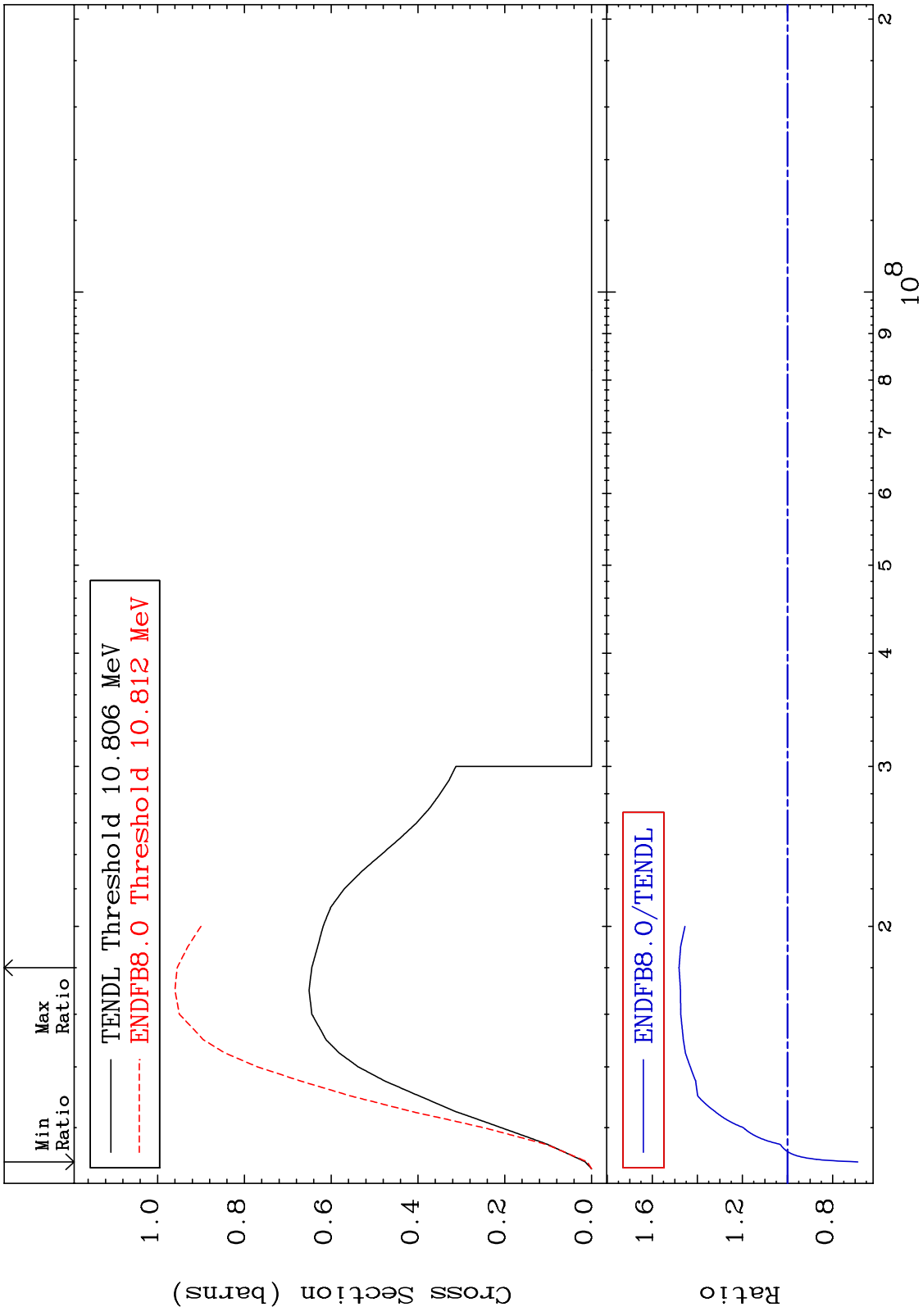
44-Ru-96

MAT 4425 44-Ru-96 -32.64 To 20.99 %

Inelastic Cross Section



44-Ru-96



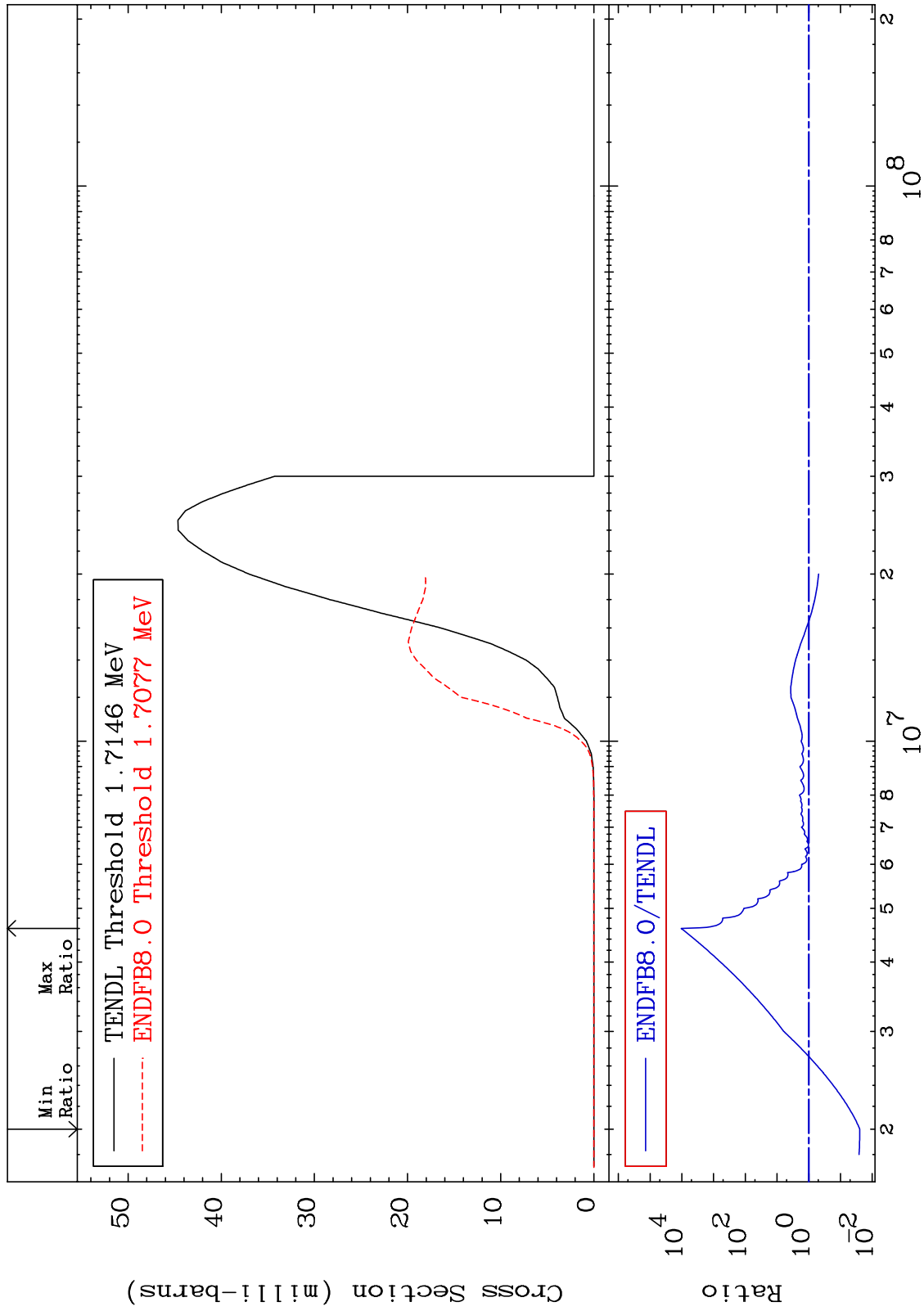
MAT 4425

(n,n') α

44-Ru-96

Cross Section

-97.53 To 9999. %

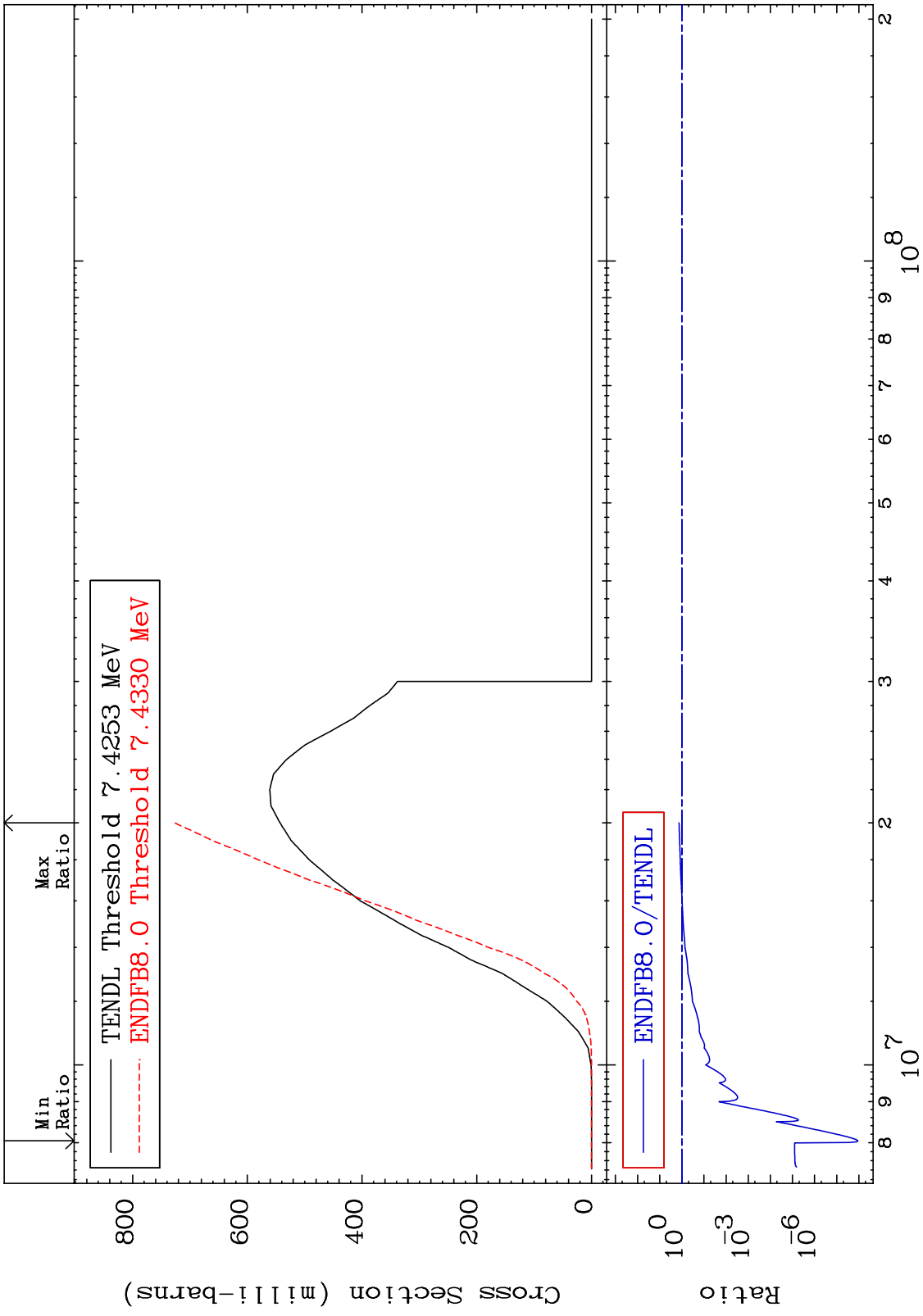


5

Incident Energy (eV)

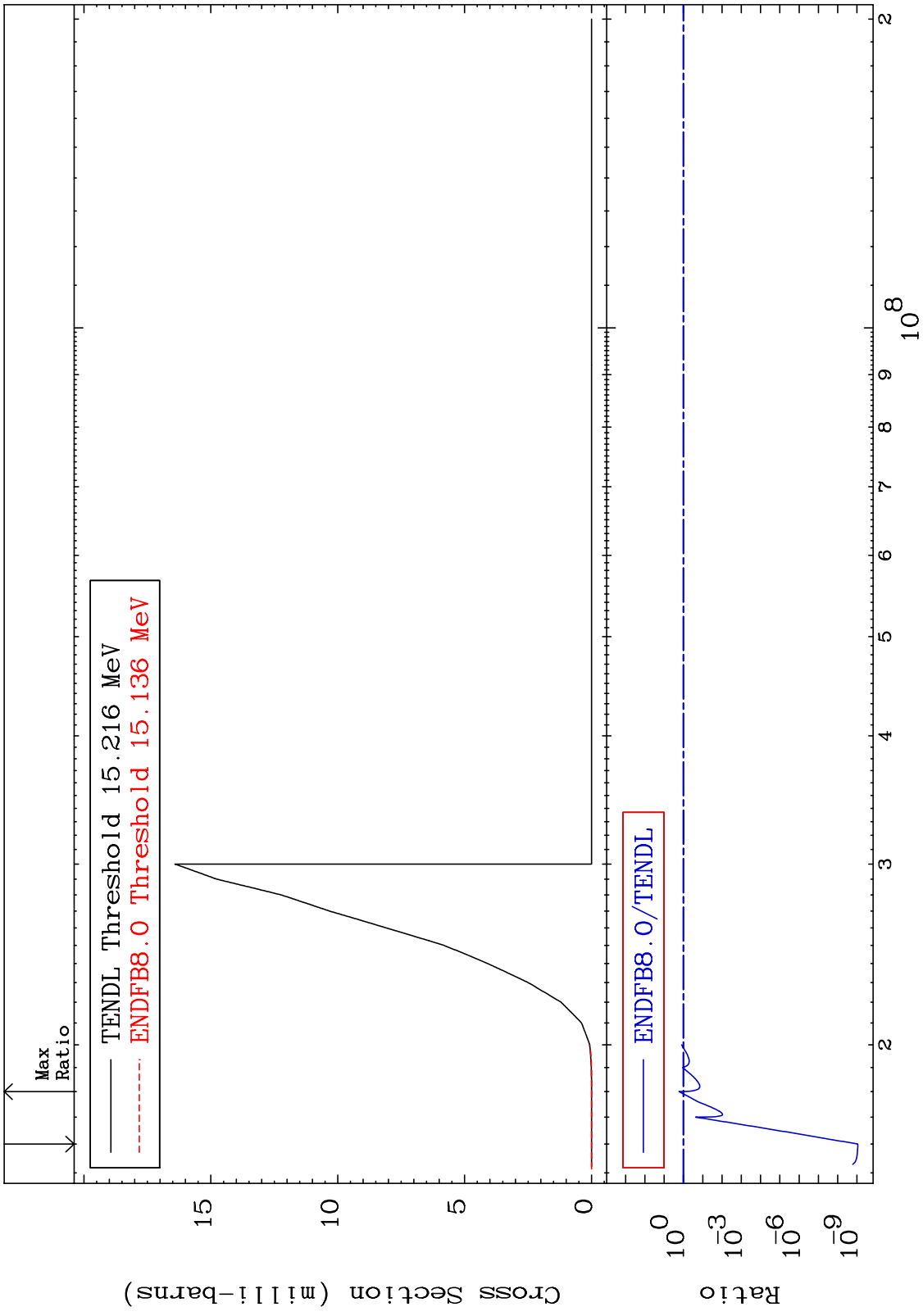
44-Ru-96

MAT 4425 (n,n') p 44-Ru-96
Cross Section -100.0 To 33.71 %

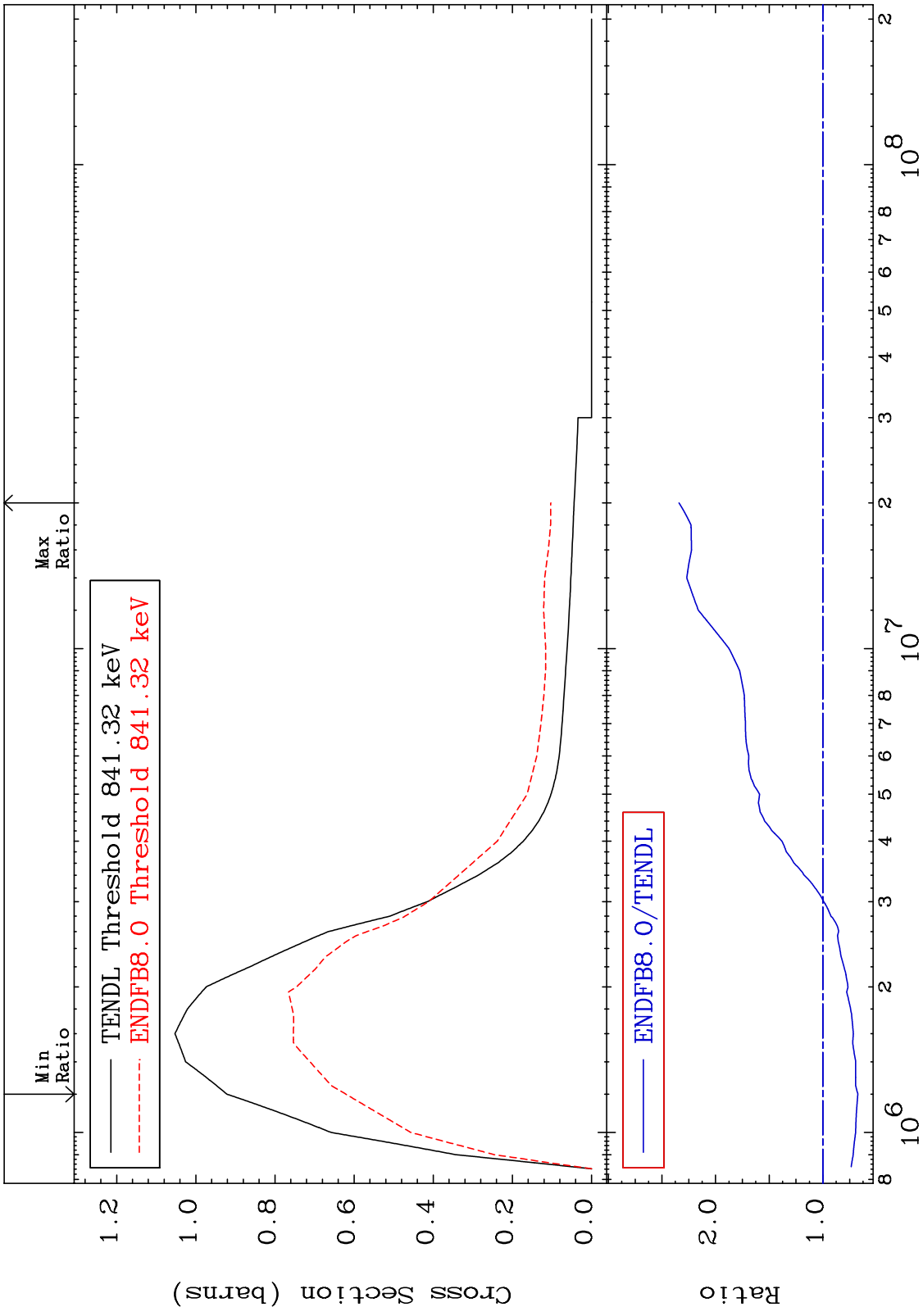


6 44-Ru-96

MAT 4425 (n, n') d 44-Ru-96
 Cross Section -100.0 To 68.90 %



MAT 4425 MT= 51 (n,n') Level 44-Ru-96
Cross Section -32.64 To 134.1 %

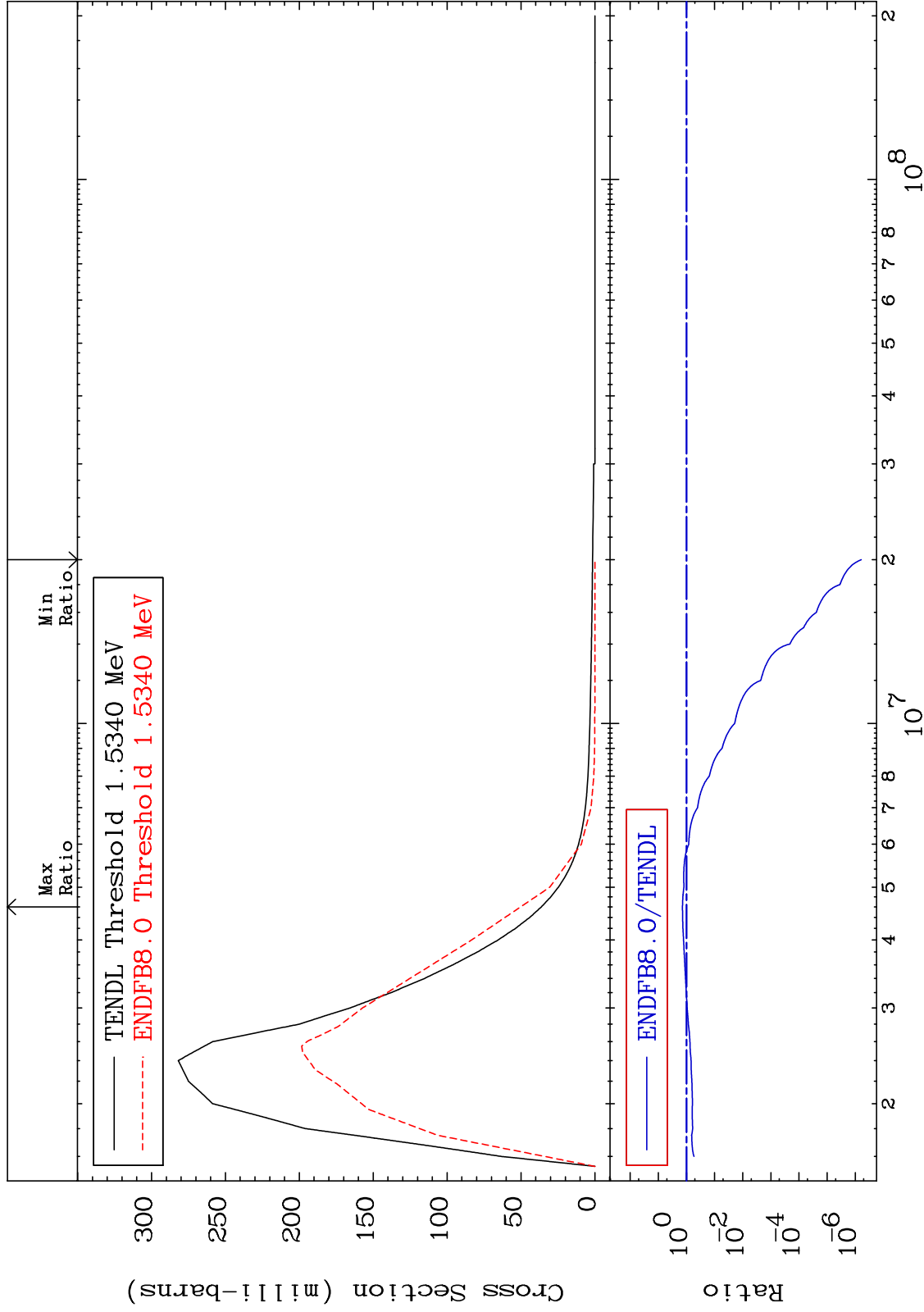


8 8 44-Ru-96

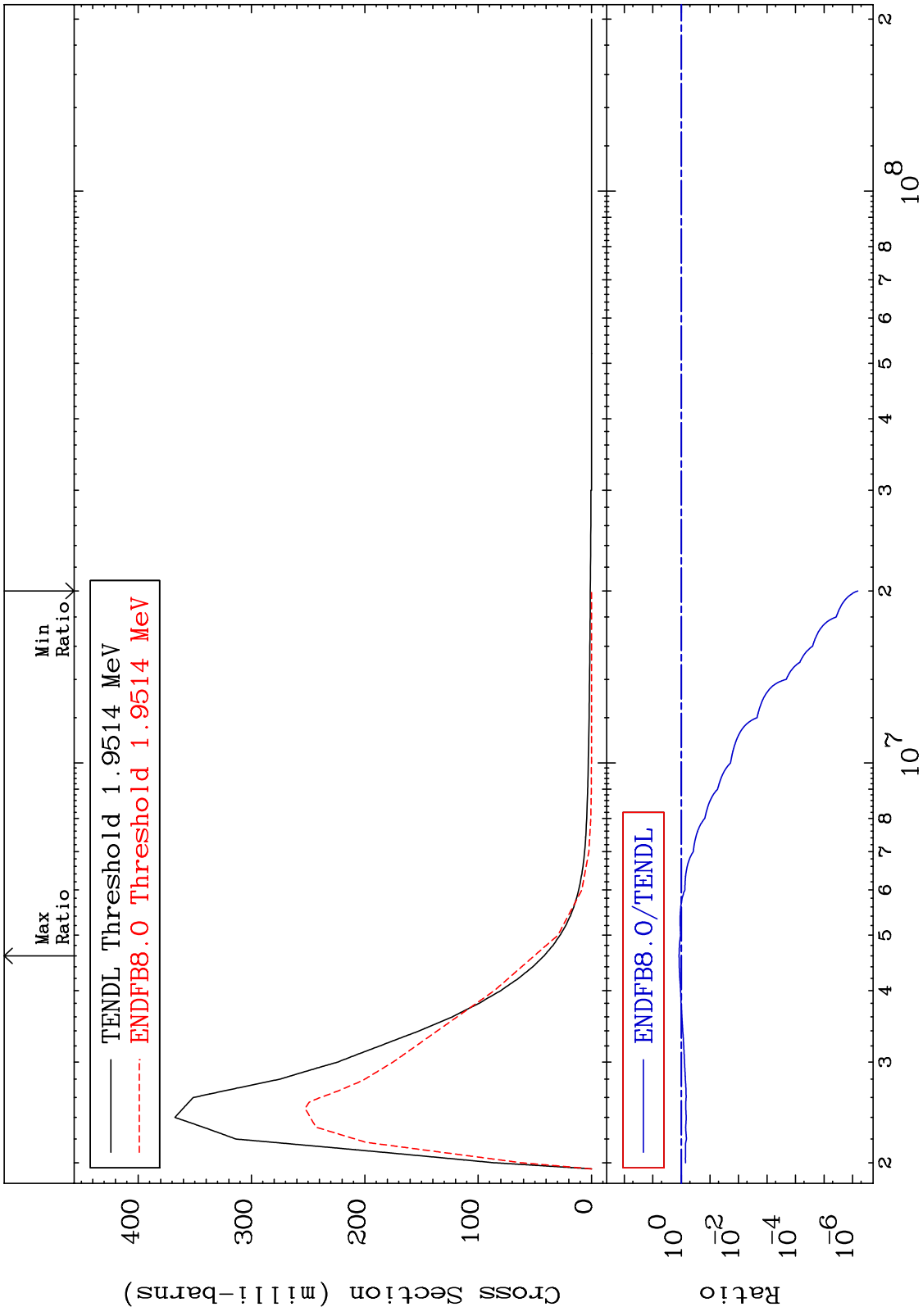
MAT 4425

MT= 52 (n,n') Level
Cross Section

44-Ru-96
-100.0 To 38.93 %

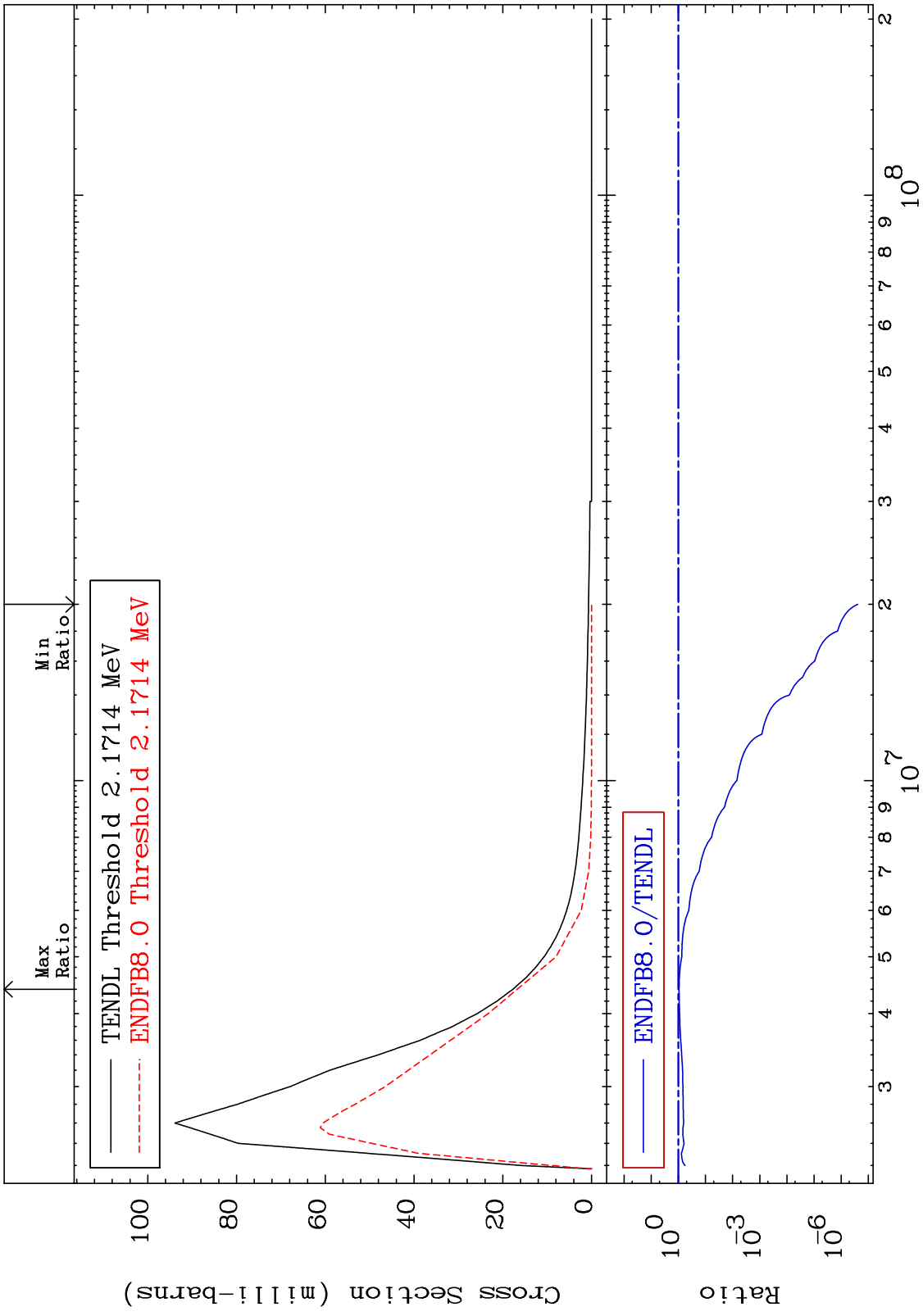


MAT 4425 MT= 53 (n,n') Level Cross Section -100.0 To 20.72 % 44-Ru-96

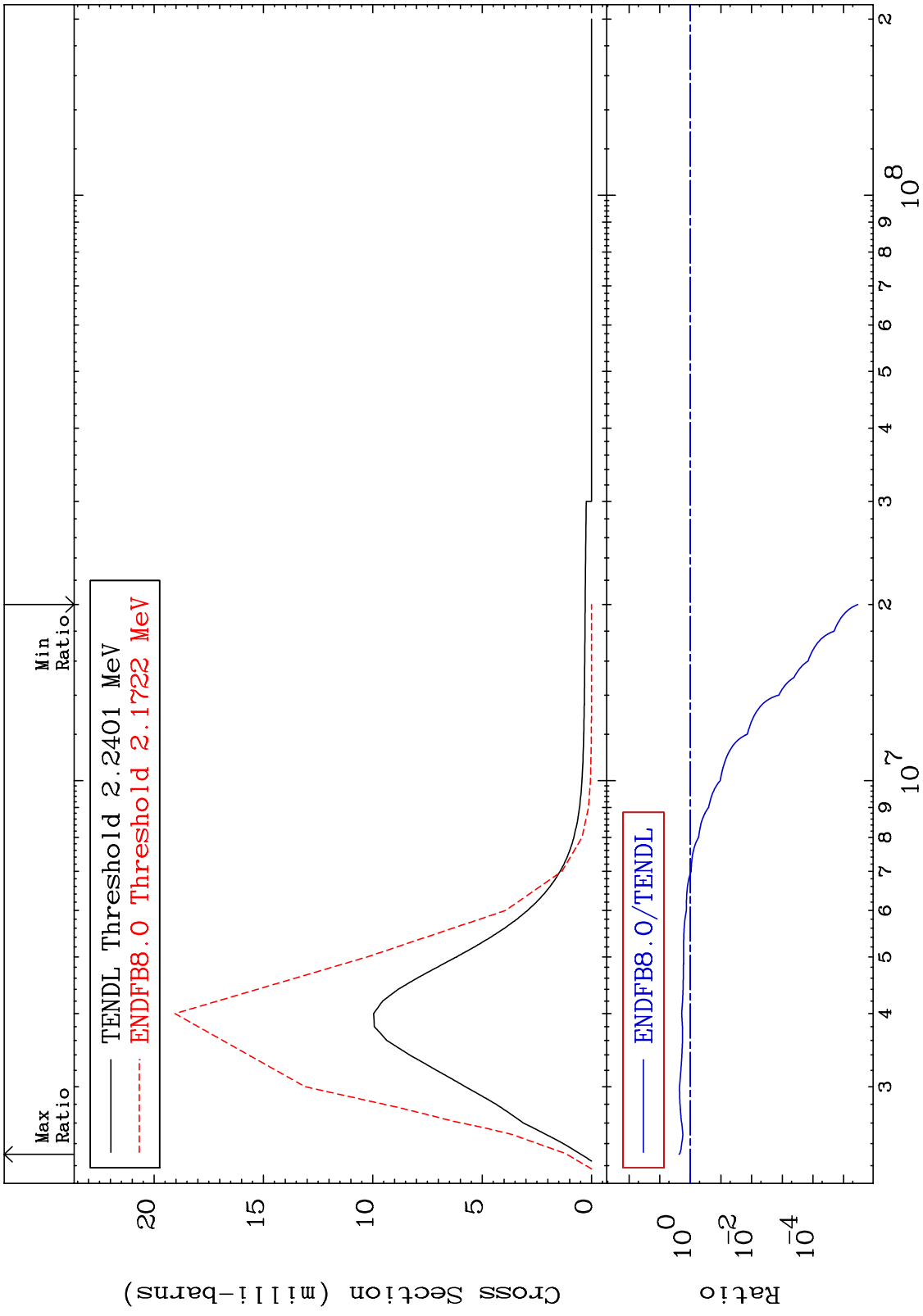


10 44-Ru-96

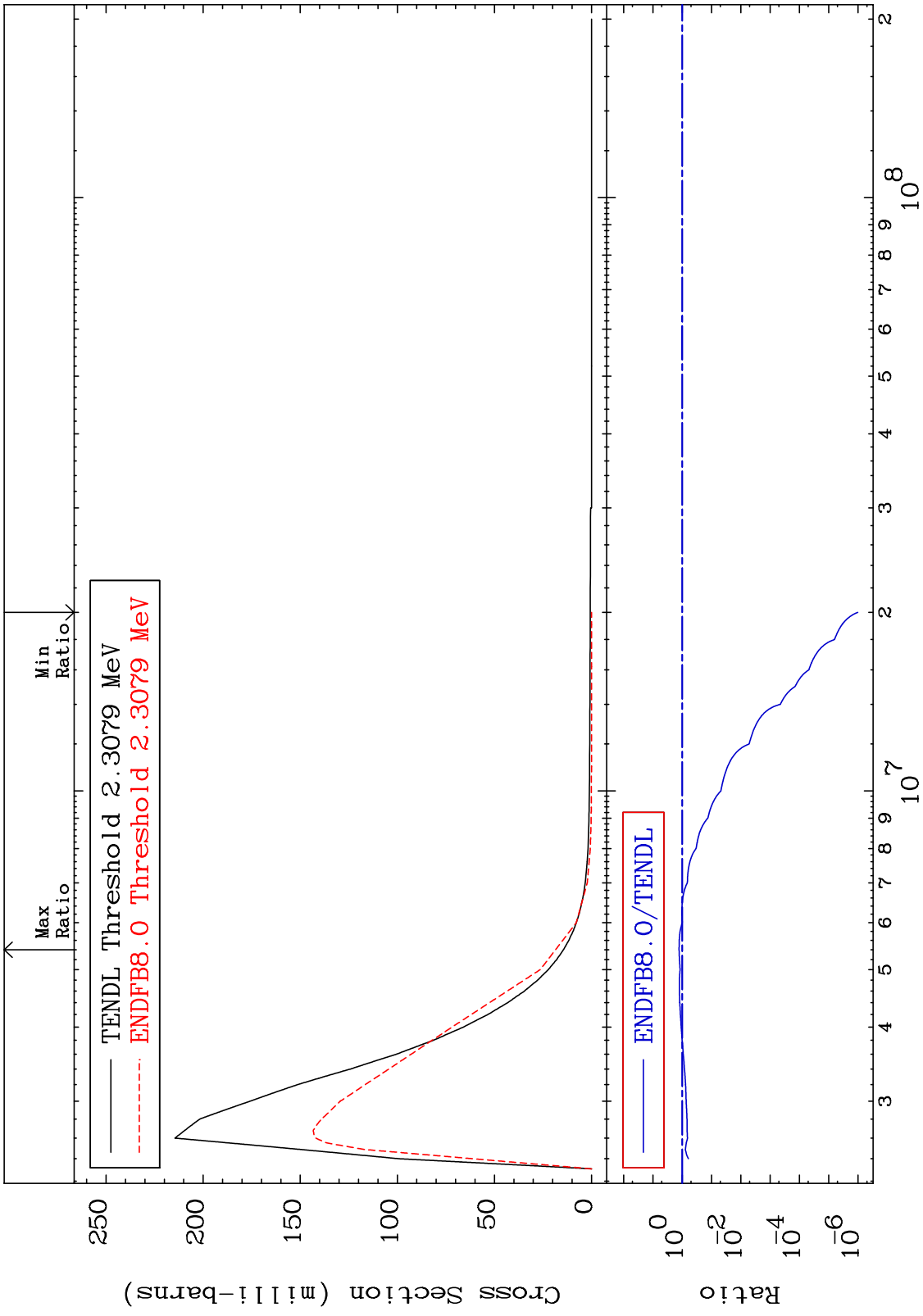
MAT 4425 MT= 54 (n,n') Level Cross Section 44-Ru-96
 -100.0 To -5.520%



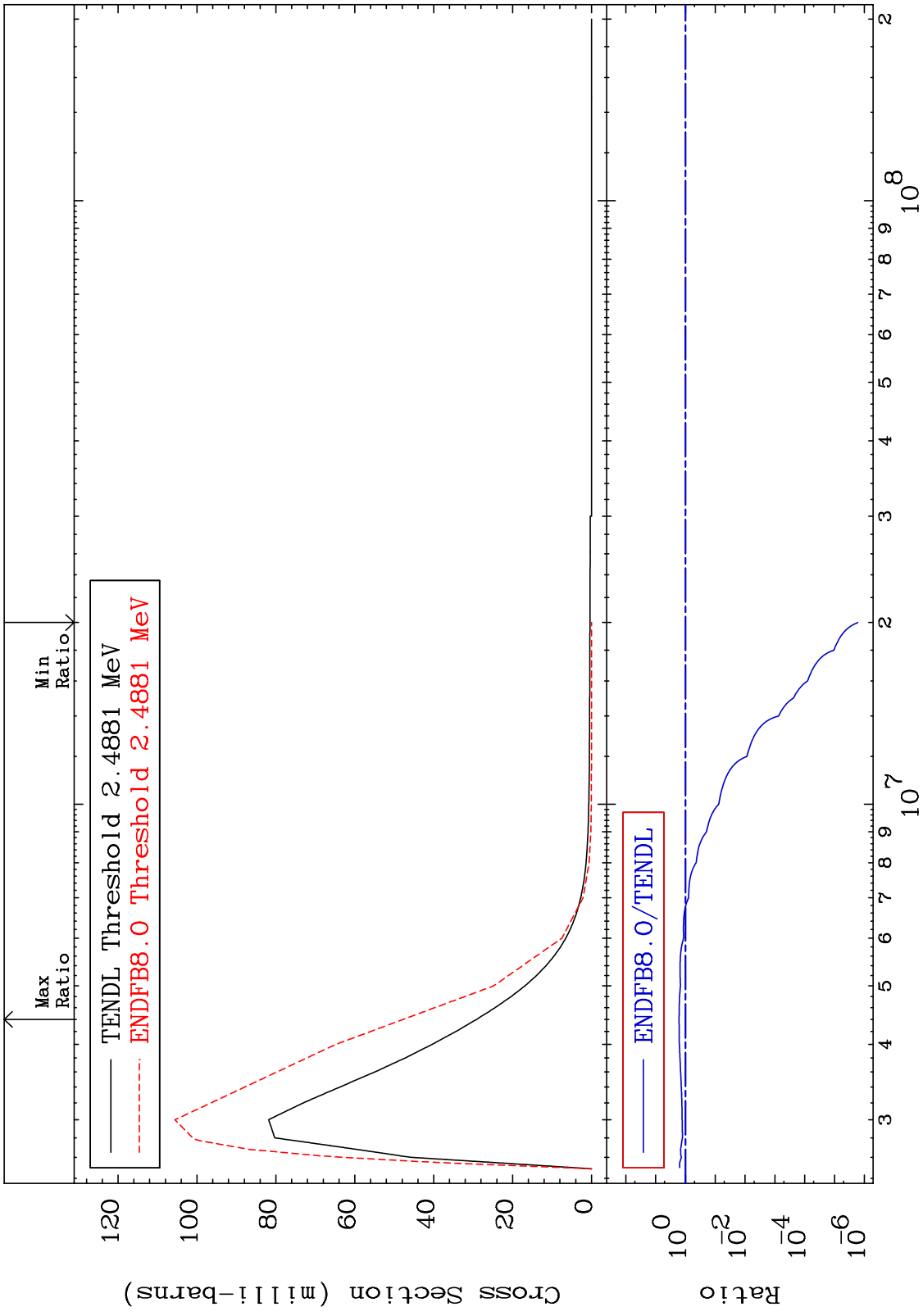
MAT 4425 MT= 55 (n,n') Level Cross Section -100.0 To 133.5 % 44-Ru-96



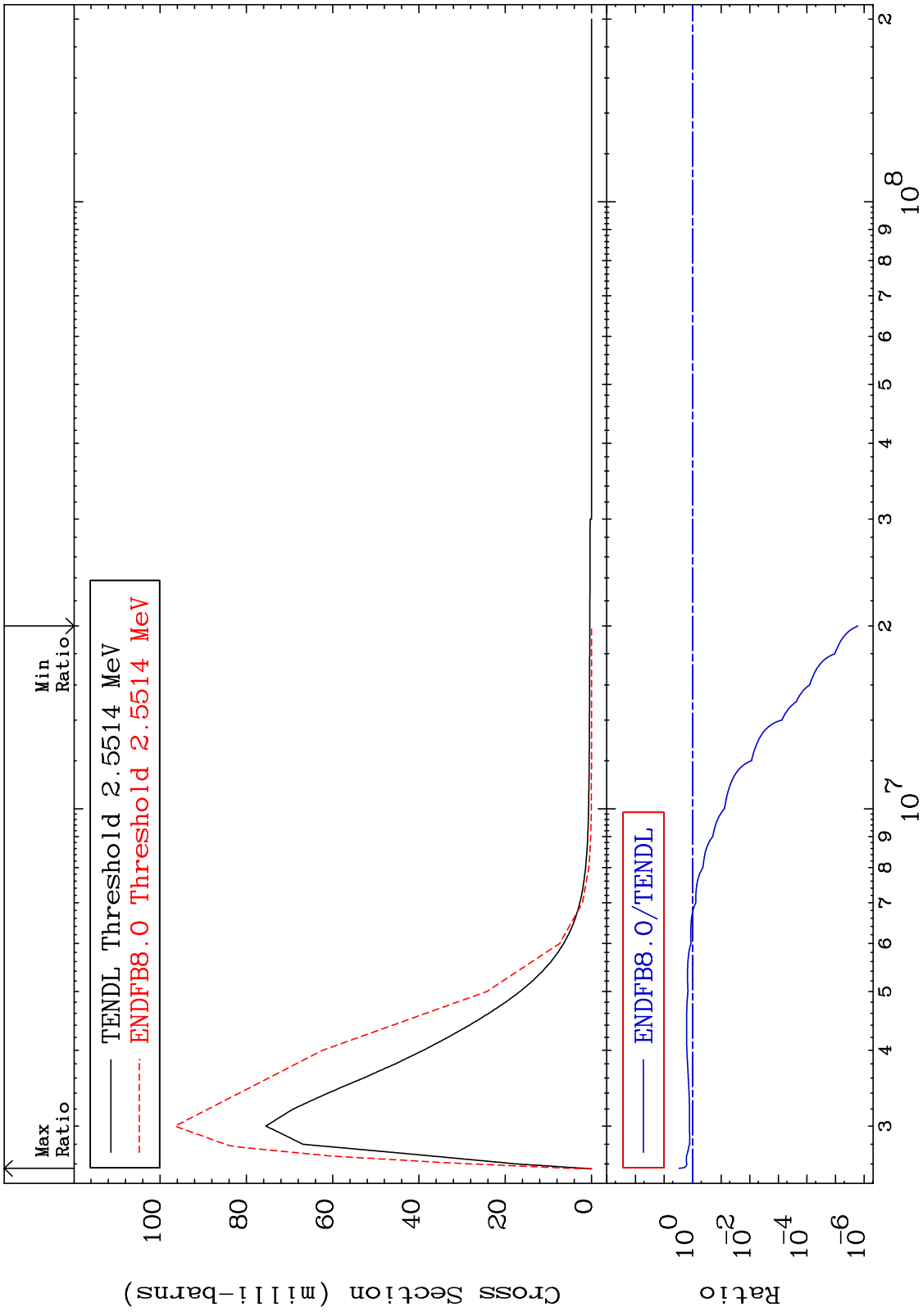
MAT 4425 MT= 56 (n,n') Level Cross Section -100.0 To 28.50 % 44-Ru-96



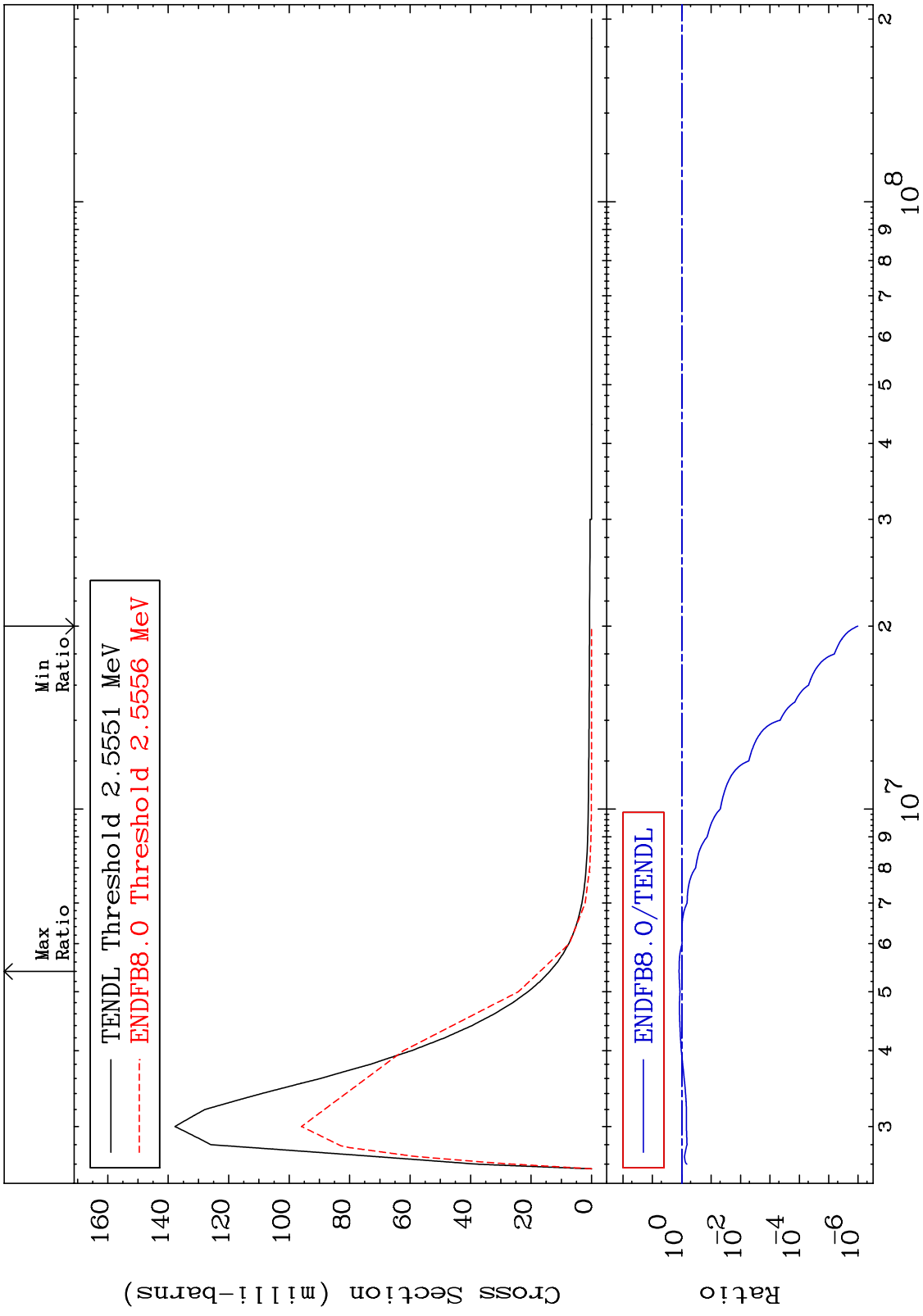
MAT 4425 MT= 57 (n,n') Level Cross Section -100.0 To 63.88 % 44-Ru-96



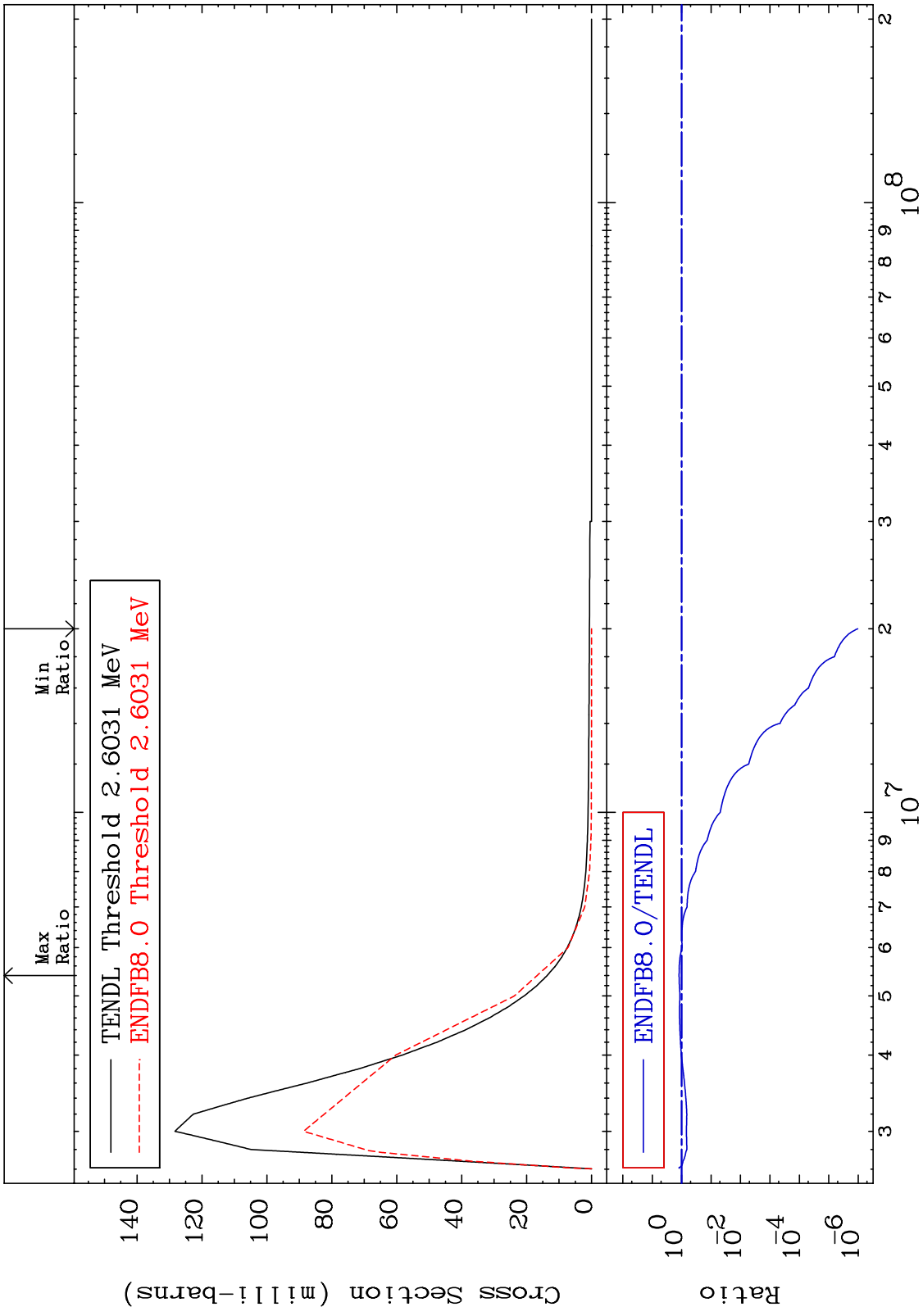
MAT 4425 MT= 58 (n,n') Level Cross Section -100.0 To 198.3 % 44-Ru-96



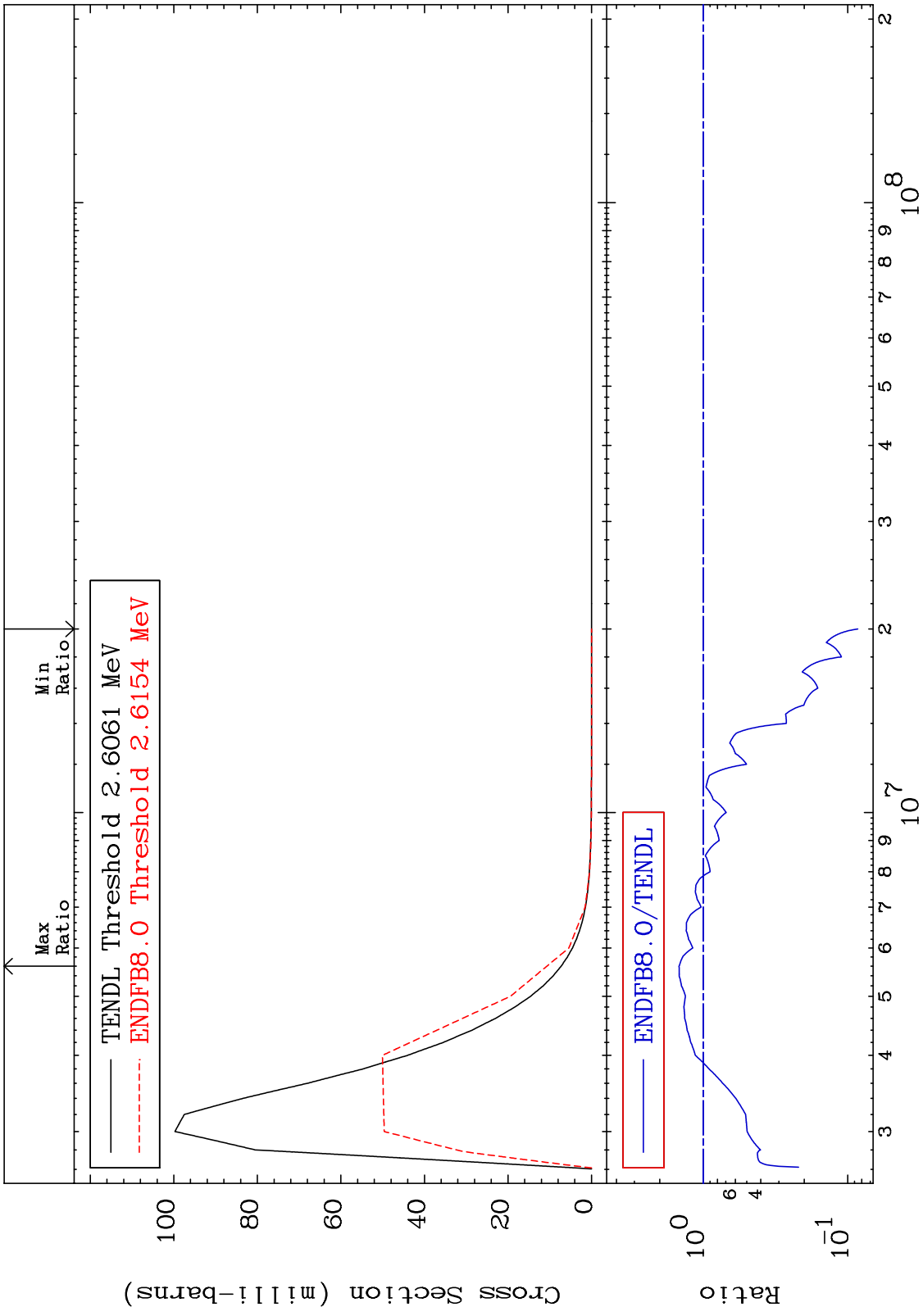
MAT 4425 MT= 59 (n,n') Level Cross Section -100.0 To 23.87 % 44-Ru-96



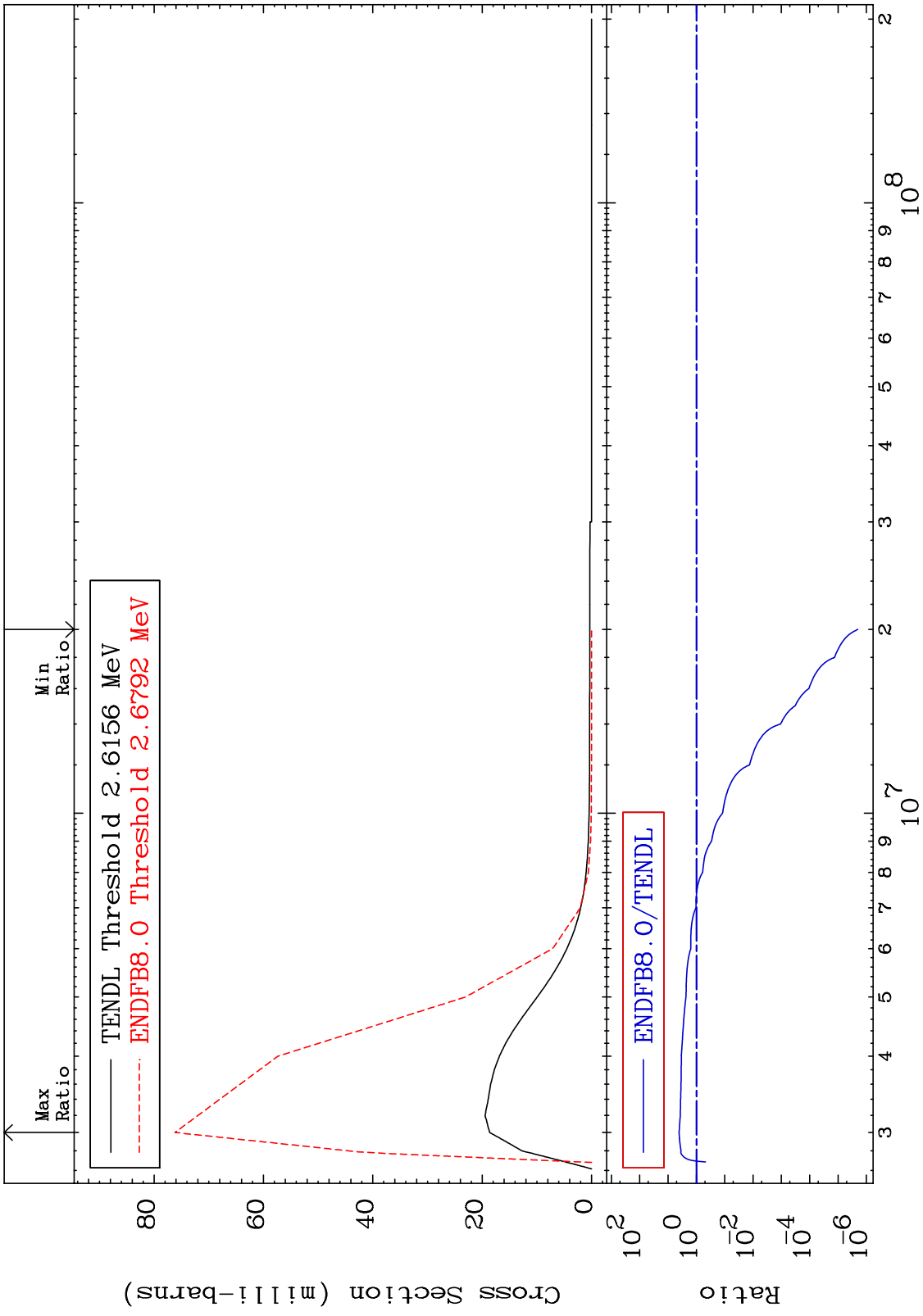
MAT 4425 MT= 60 (n,n') Level Cross Section -100.0 To 23.01 % 44-Ru-96



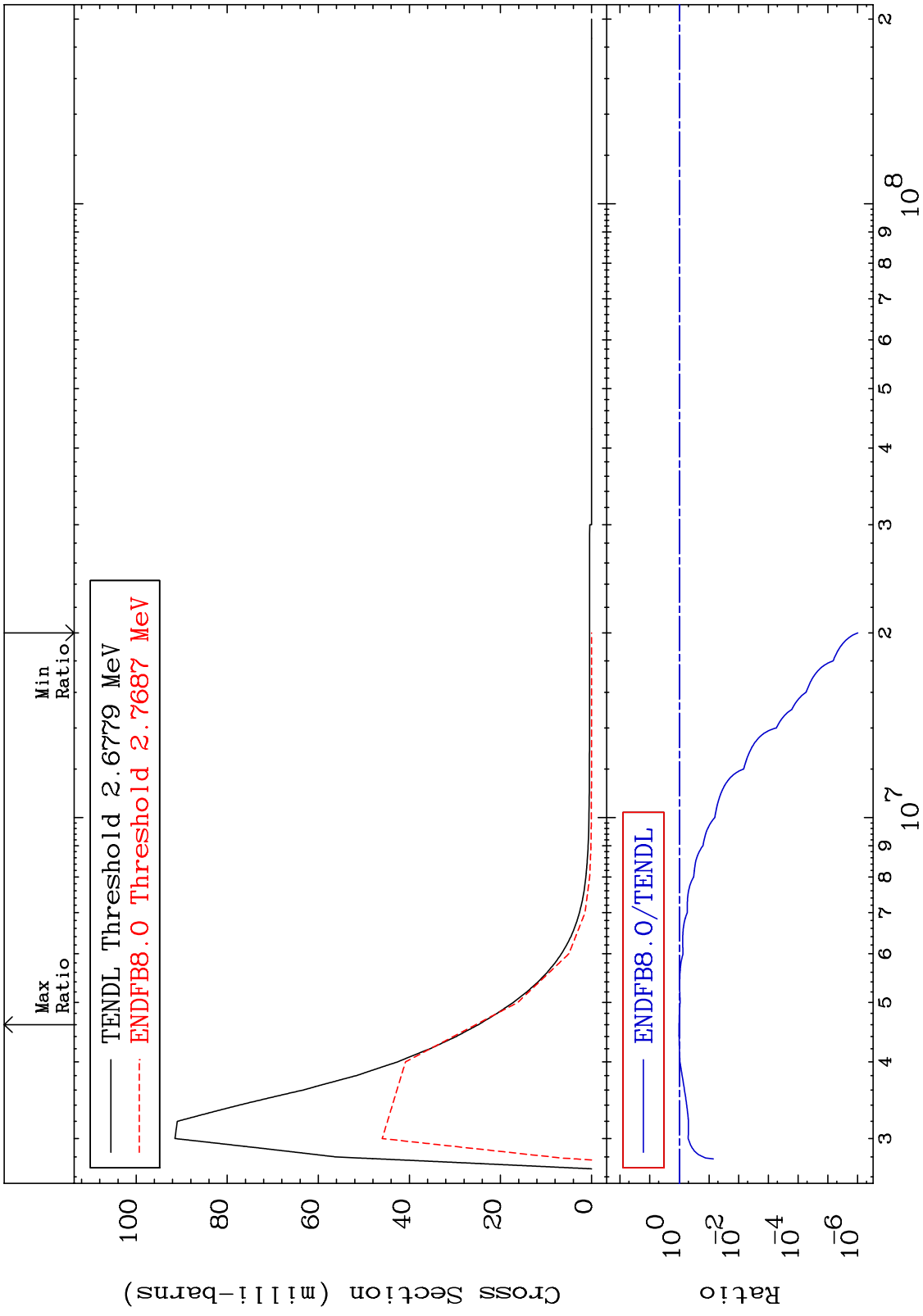
MAT 4425 MT= 61 (n,n') Level Cross Section -91.48 To 47.29 % 44-Ru-96



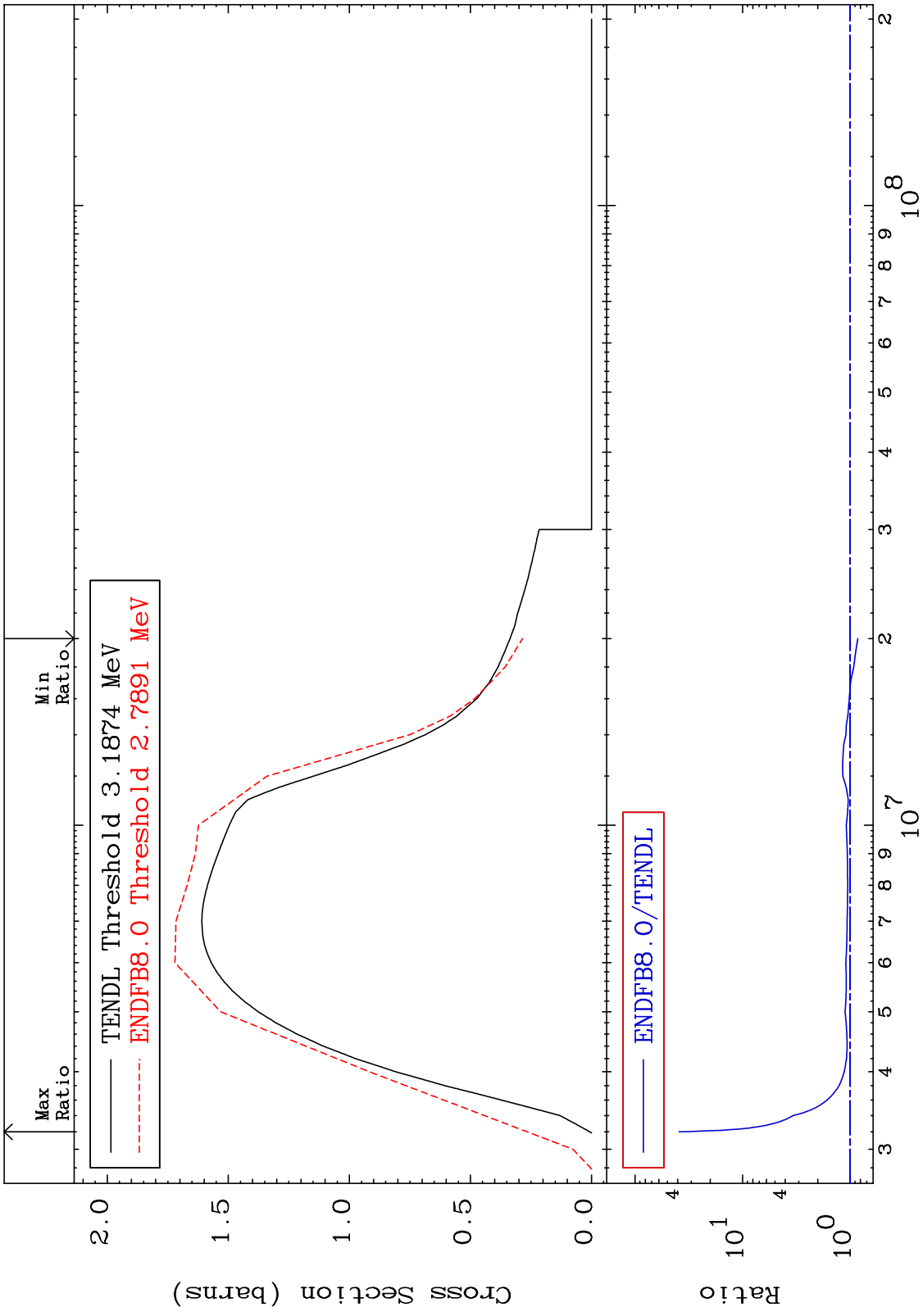
MAT 4425 MT= 62 (n,n') Level Cross Section -100.0 To 308.7 % 44-Ru-96



MAT 4425 MT= 63 (n,n') Level Cross Section -100.0 To 2.361 % 44-Ru-96



MAT 4425 (n, n') Continuum Cross Section -15.30 To 3792. % 44-Ru-96



MAT 4425

(n, γ)

44-Ru-96

-99.41 To 9999. %

Cross Section

Max Ratio

Min Ratio

— TENDL
- - - ENDFB8.0

10^3
 10^2
 10^1
 10^0
 10^{-1}
 10^{-2}
 10^{-3}

Cross Section (barns)

— ENDFB8.0/TENDL

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

Ratio

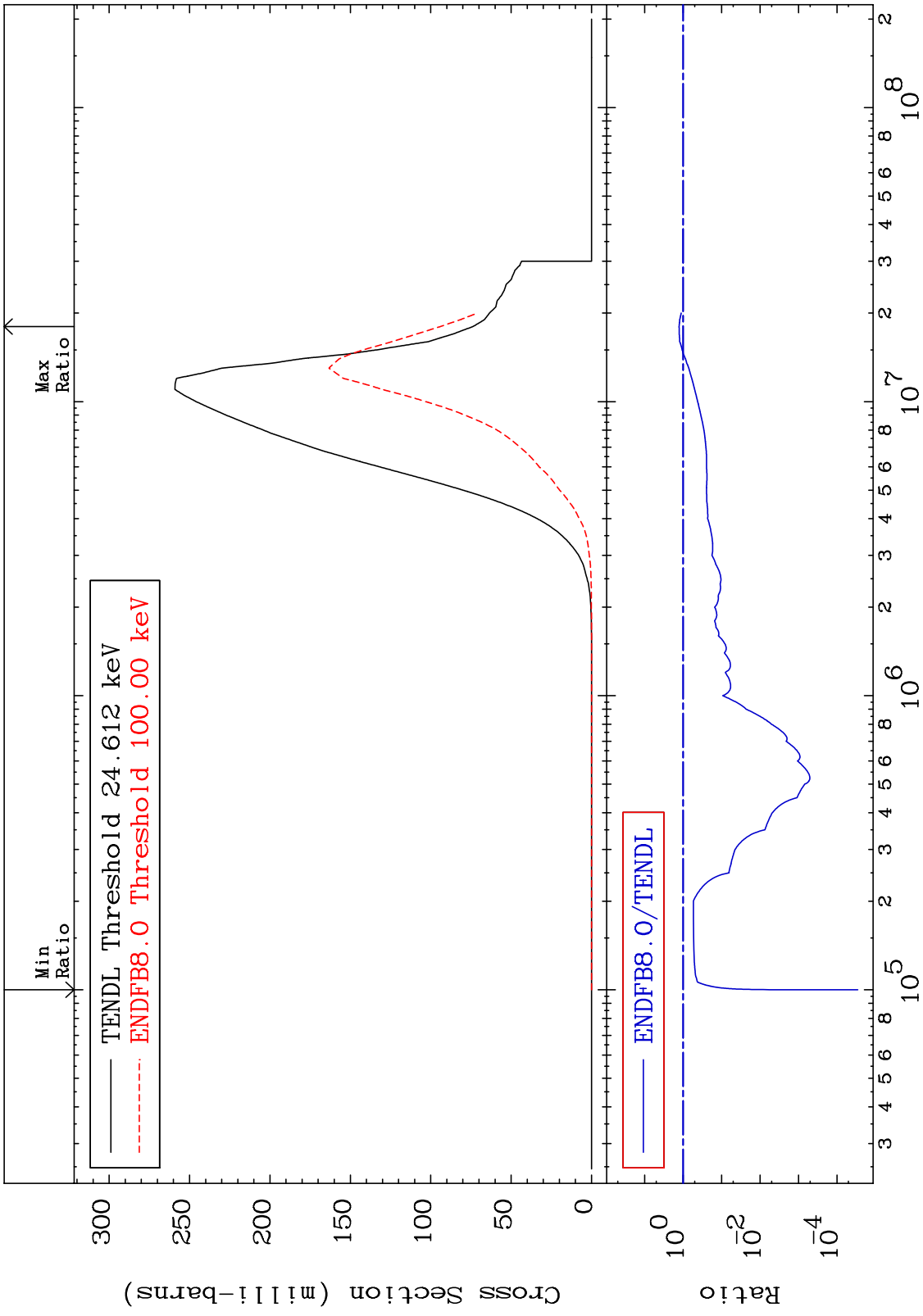
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

Incident Energy (eV)

44-Ru-96

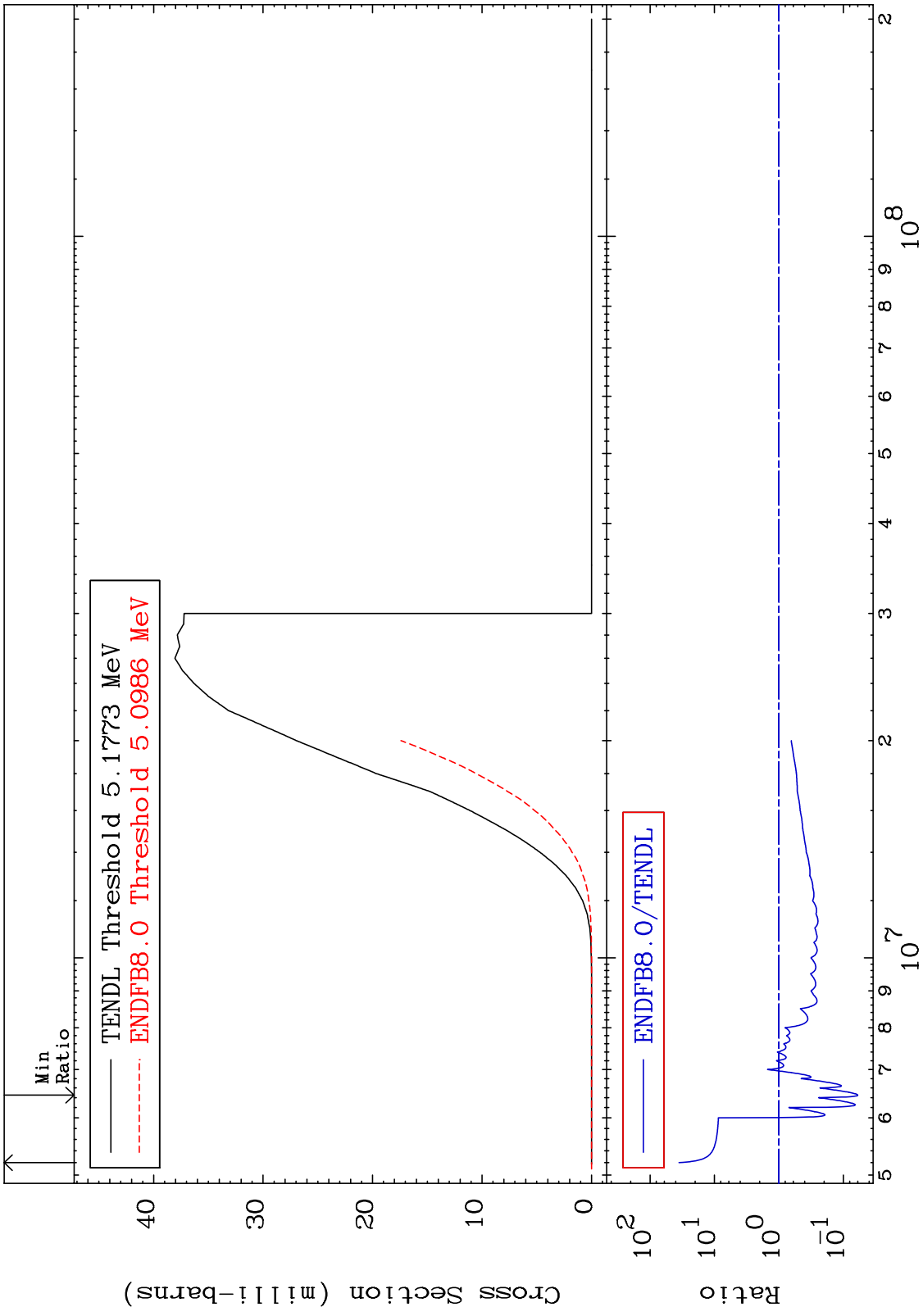
22

MAT 4425 (n,p) Cross Section 44-Ru-96 -100.0 To 27.65 %

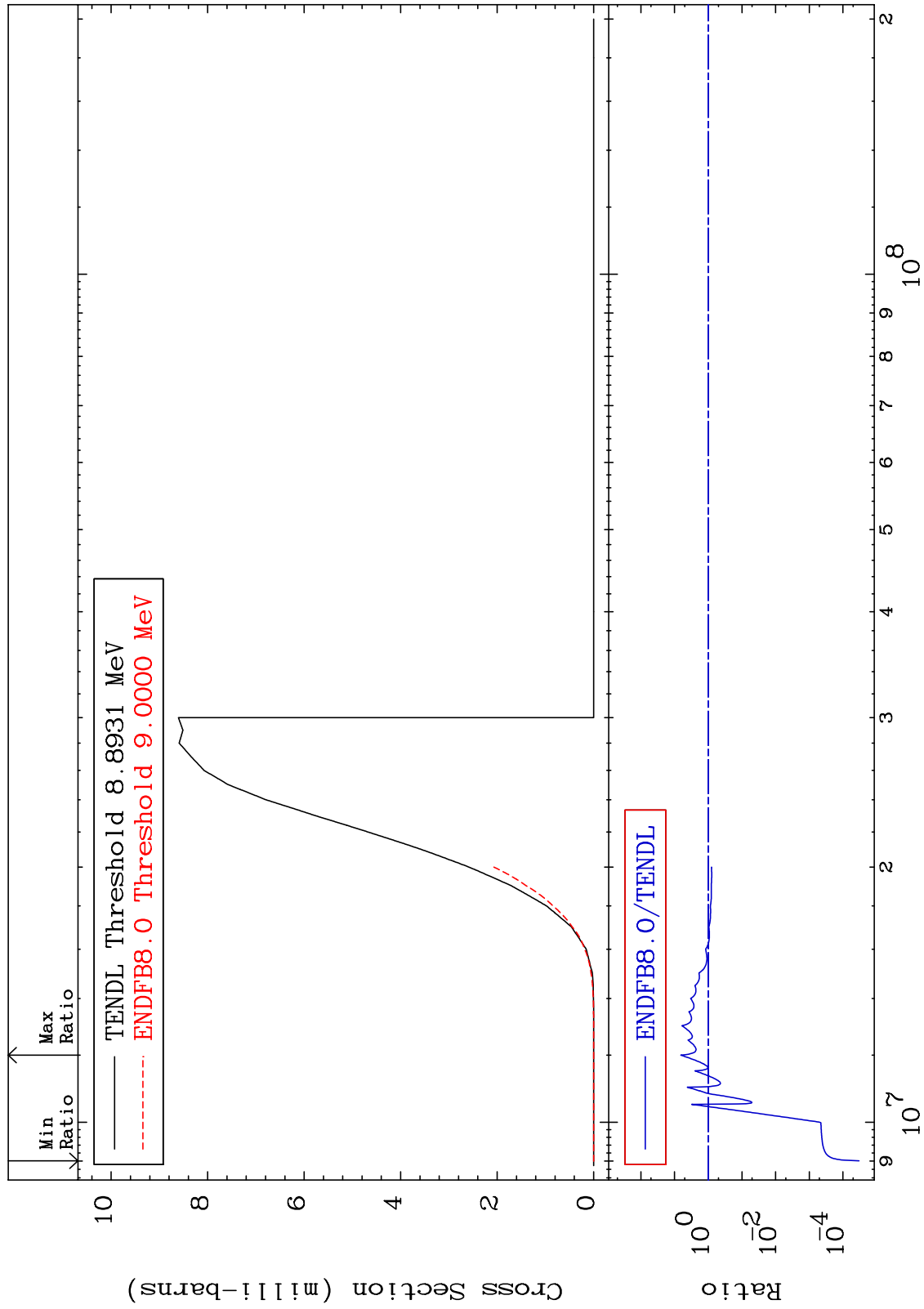


23 44-Ru-96

MAT 4425 (n,d) Cross Section 44-Ru-96
 -94.02 To 3447. %



MAT 4425 (n,t) 44-Ru-96
Cross Section -100.0 To 550.8 %



25 44-Ru-96

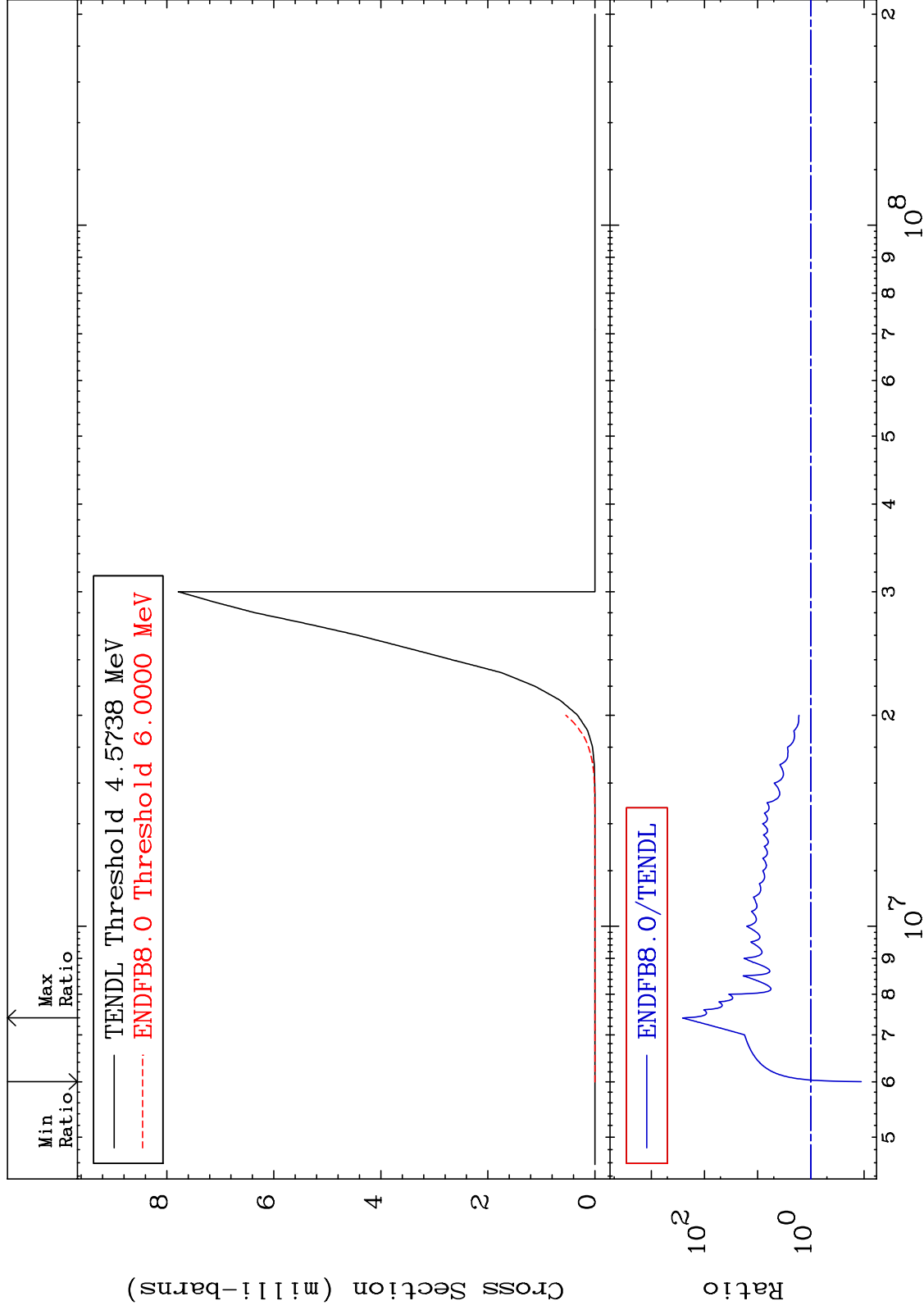
MAT 4425

(n, He-3)

44-Ru-96

Cross Section

-88.76 To 9999. %



26

Incident Energy (eV)

44-Ru-96

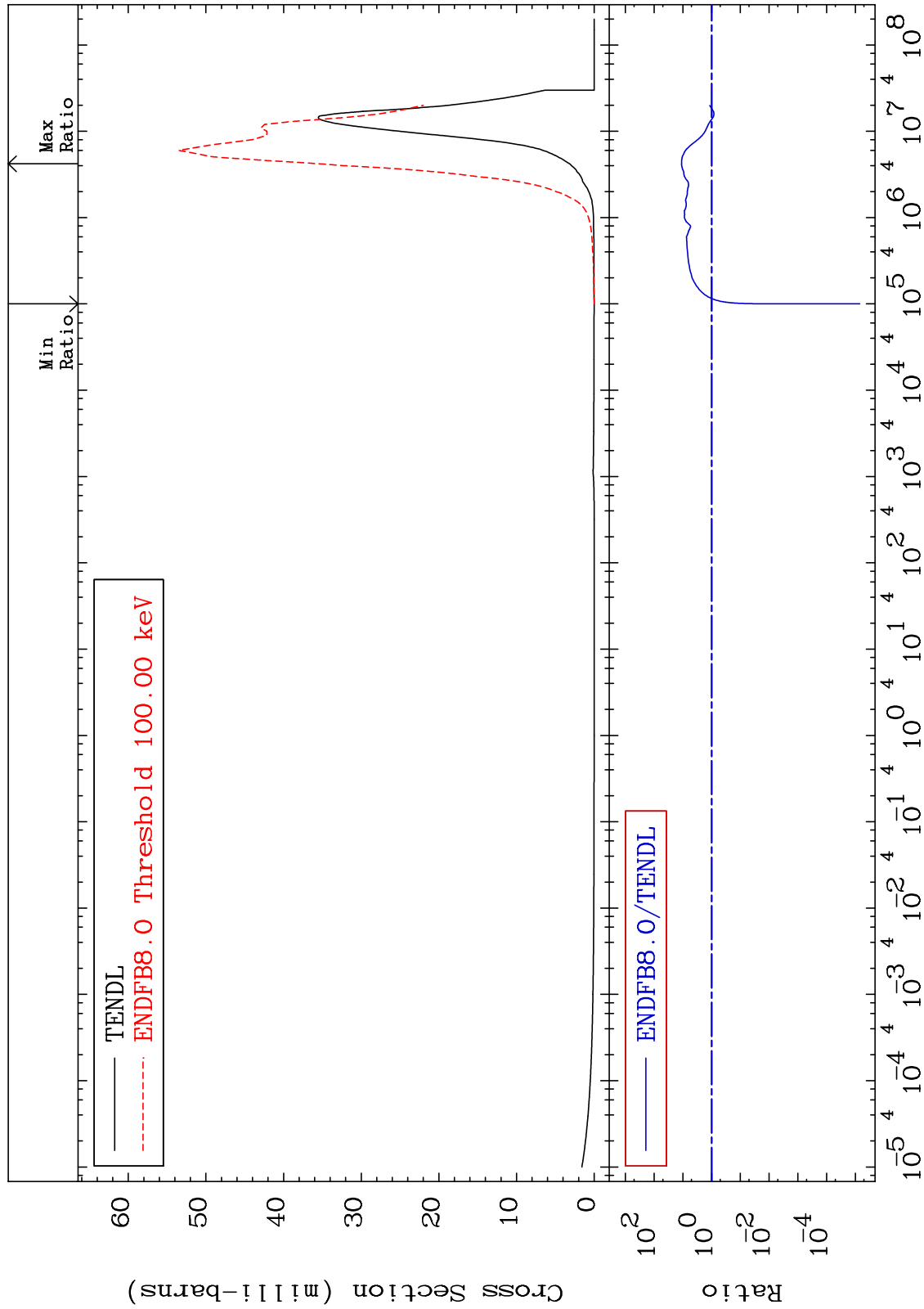
MAT 4425

(n, α)

44-Ru-96

Cross Section

-100.0 To 1019. %



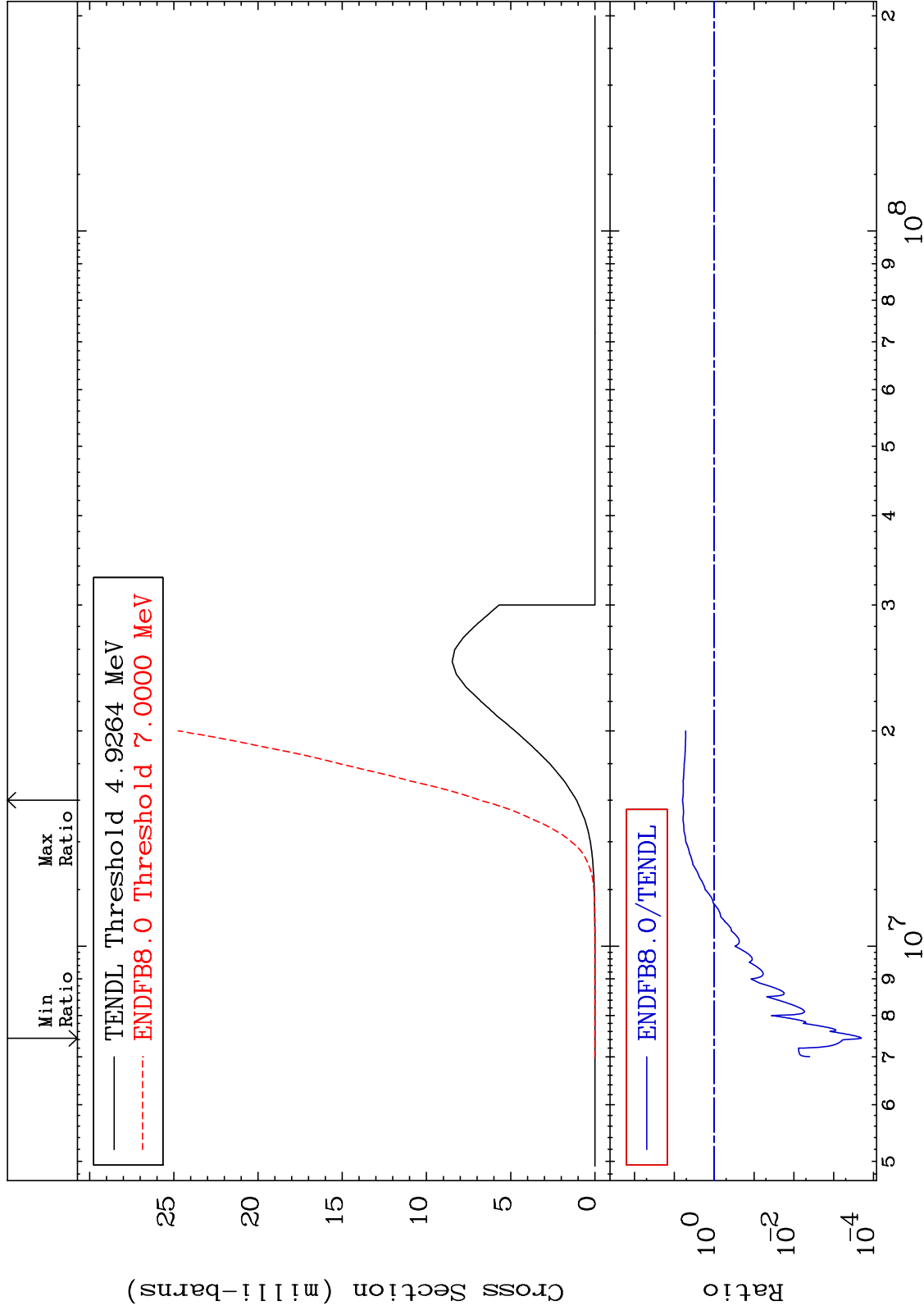
MAT 4425

(n,2p)

44-Ru-96

Cross Section

-99.98 To 526.1 %



28

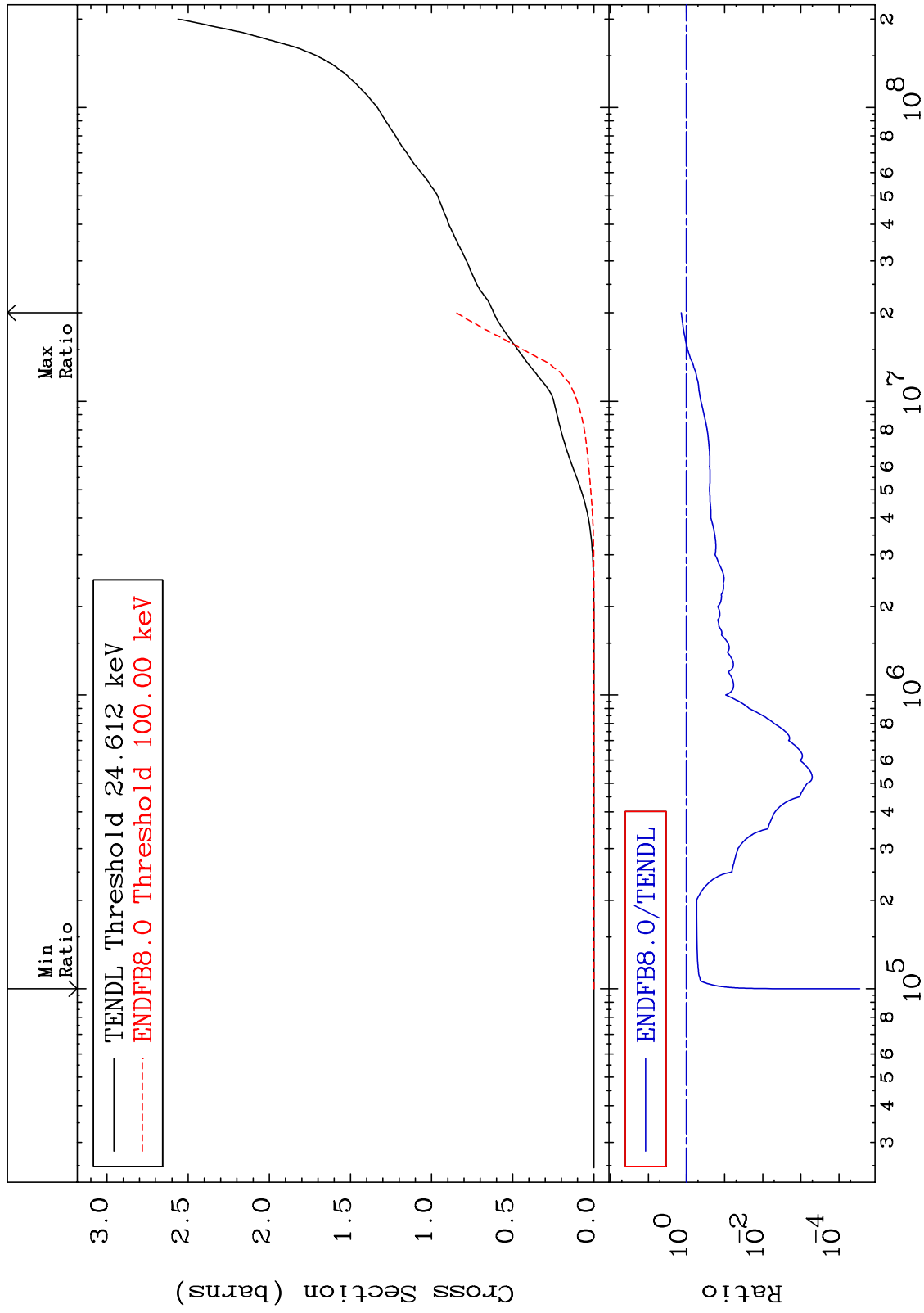
Incident Energy (eV)

44-Ru-96

MAT 4425

Hydrogen Production
Cross Section

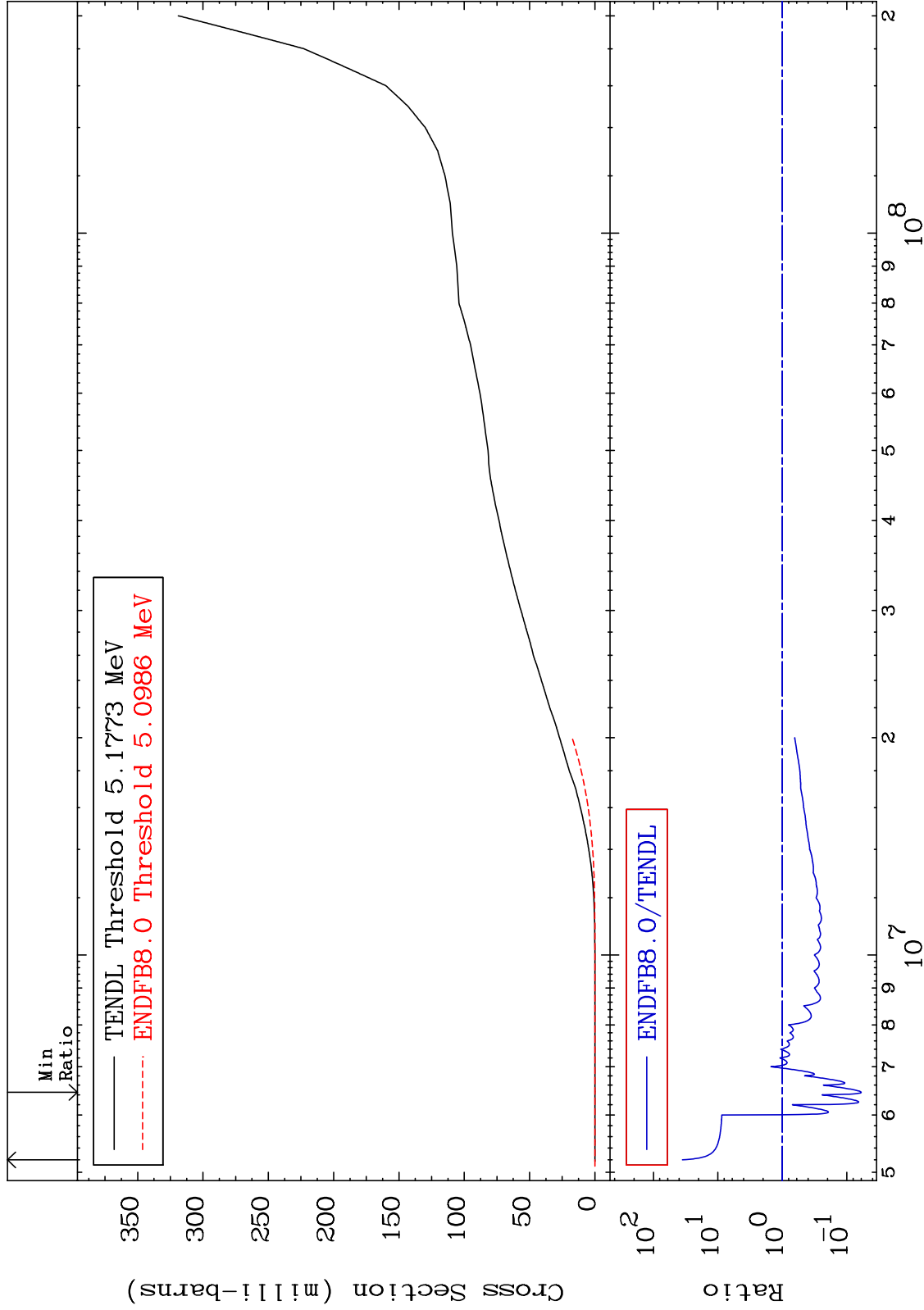
44-Ru-96
-100.0 To 37.24 %



MAT 4425

Deuterium Production
Cross Section

44-Ru-96
-94.02 To 3447. %

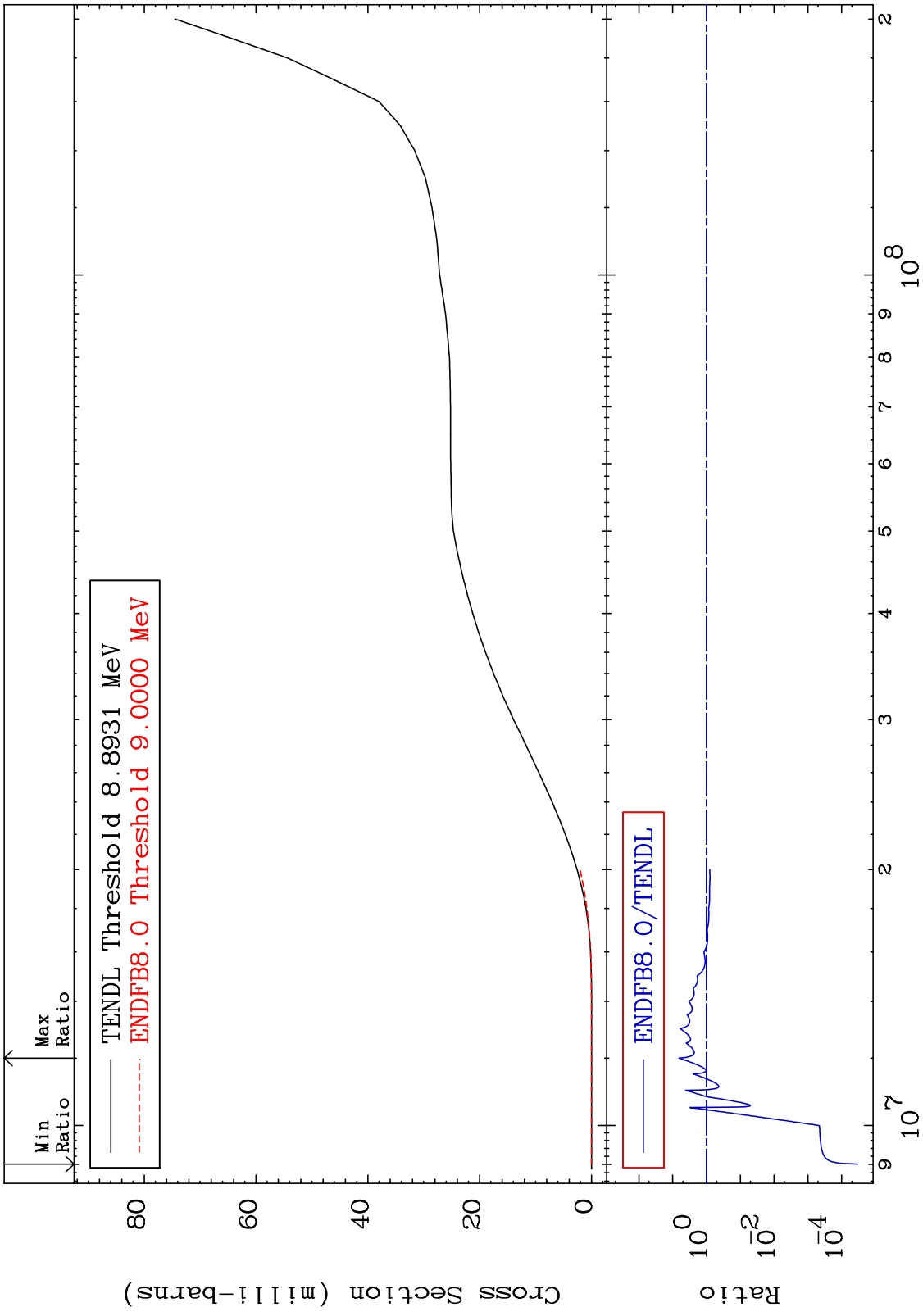


30

Incident Energy (eV)

44-Ru-96

MAT 4425 Tritium Production Cross Section 44-Ru-96 -100.0 To 550.8 %

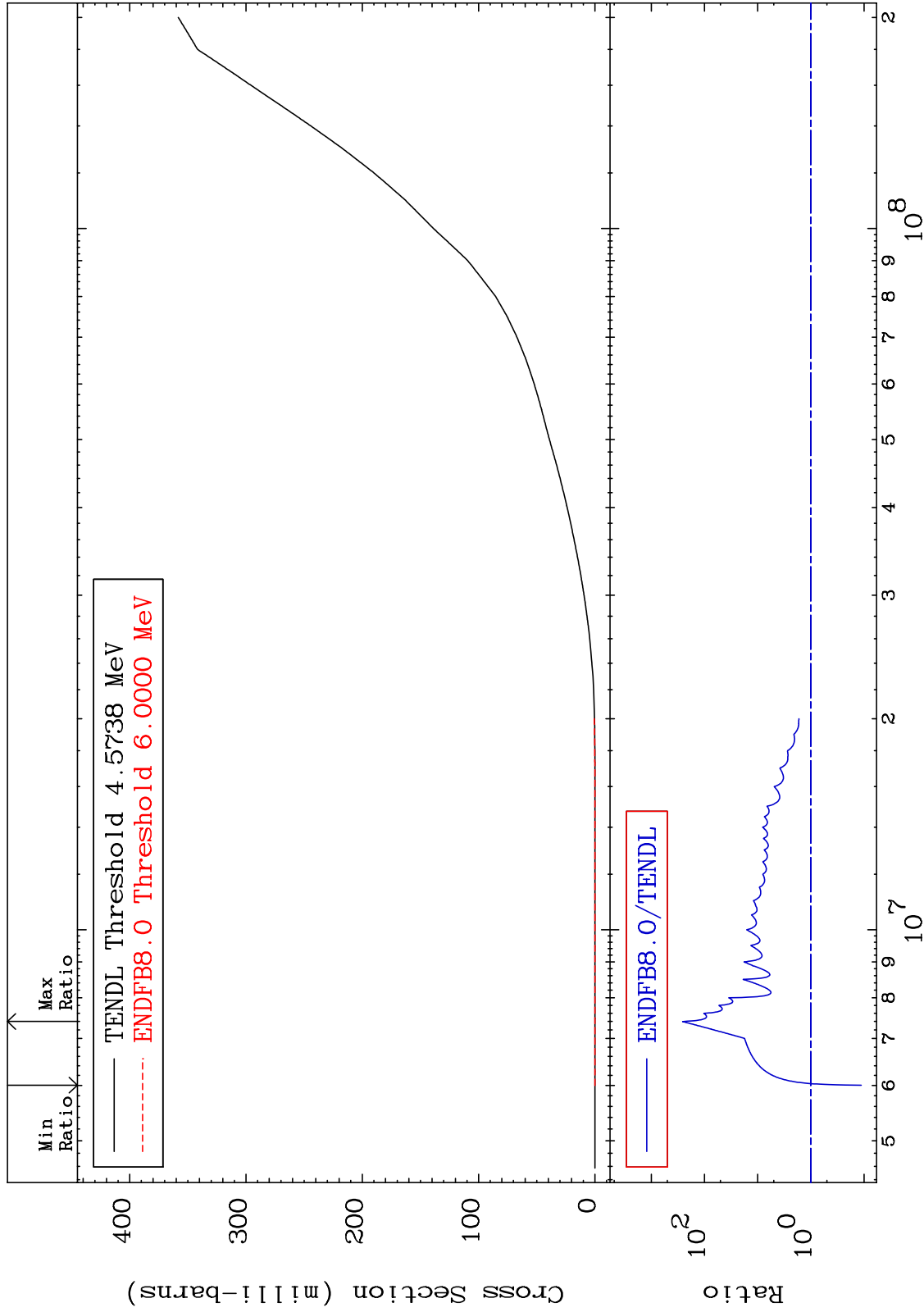


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MAT 4425

He-3 Production
Cross Section

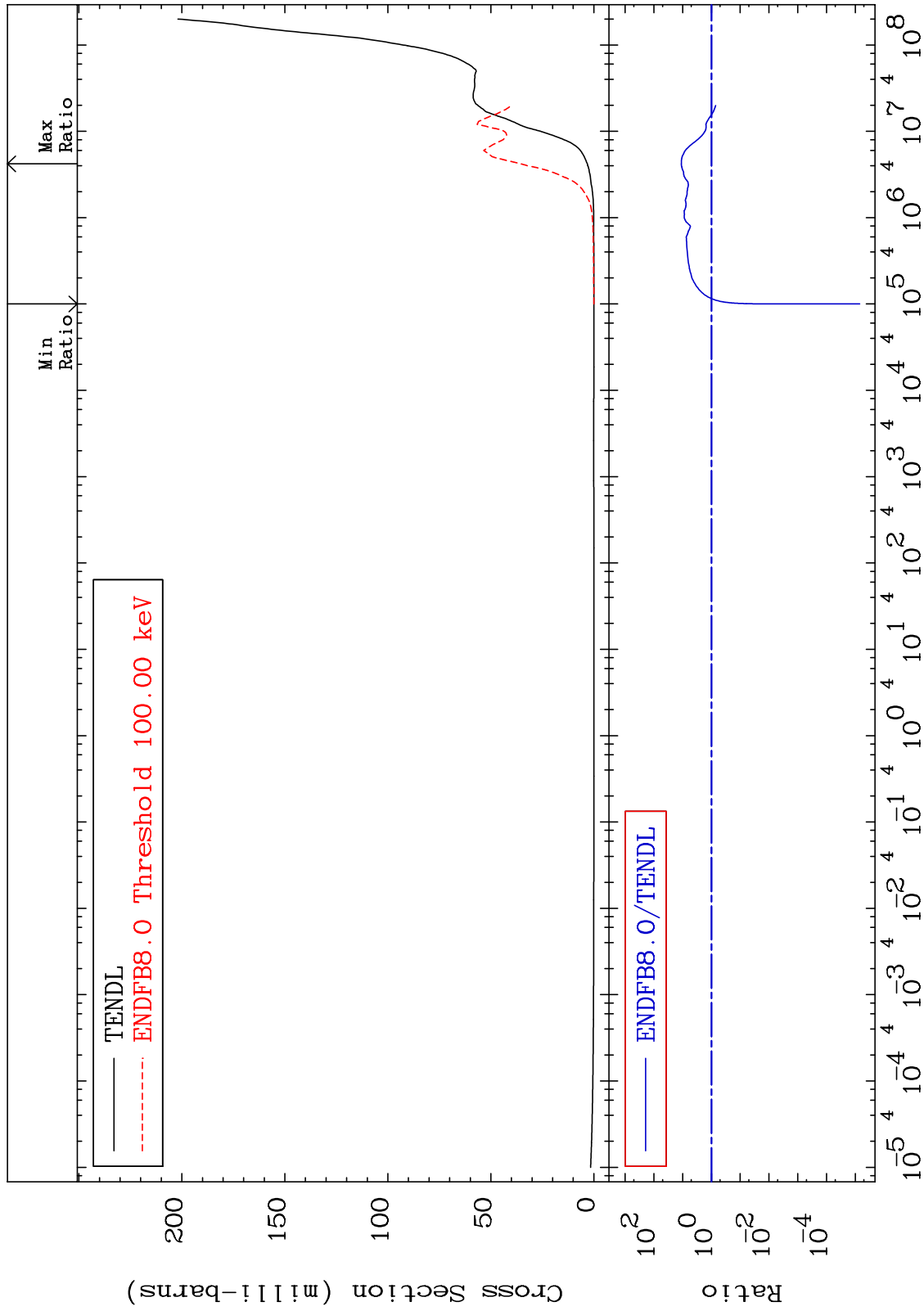
44-Ru-96
-88.76 To 9999. %



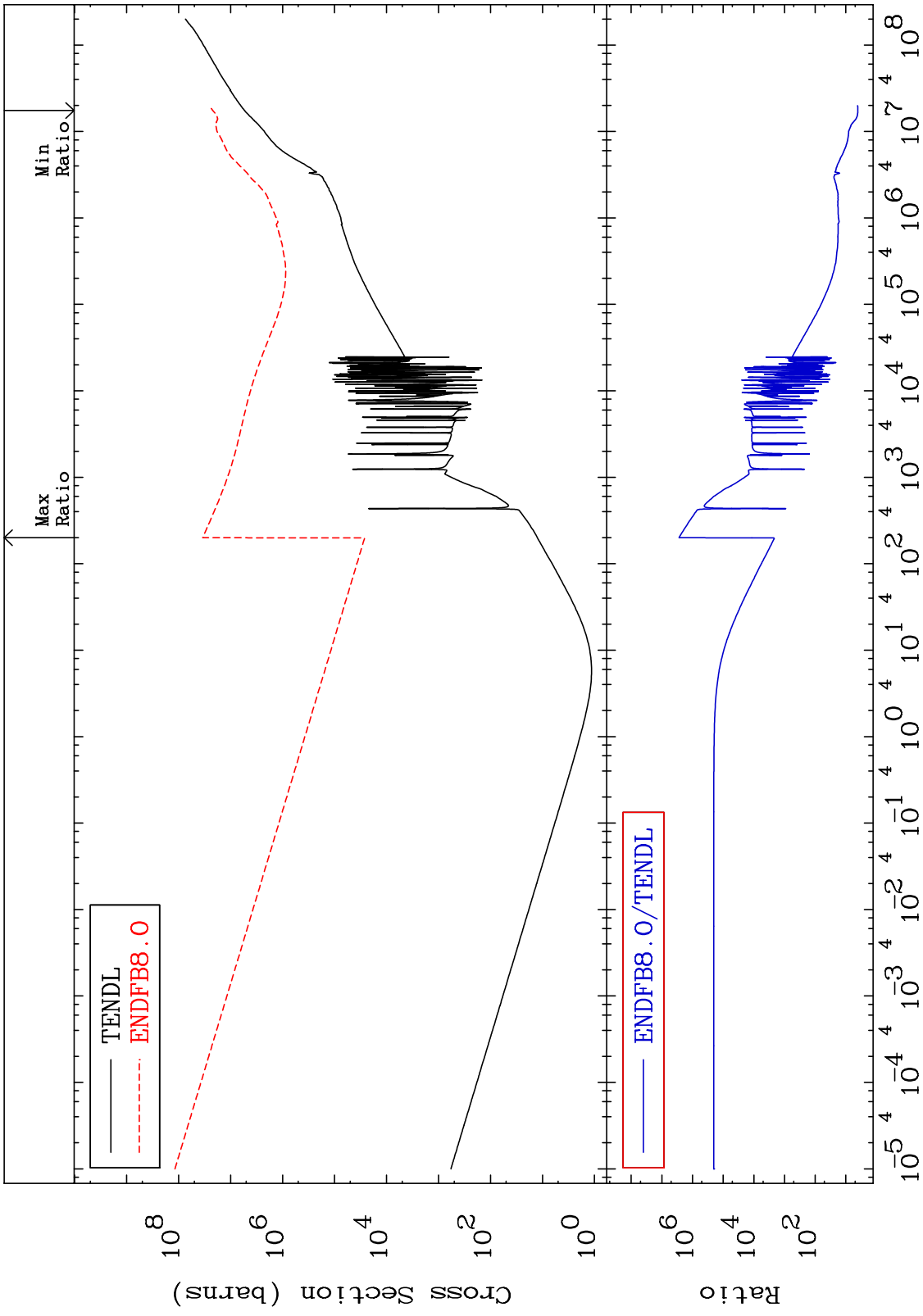
MAT 4425

He-4 Production
Cross Section

44-Ru-96
-100.0 To 1019. %



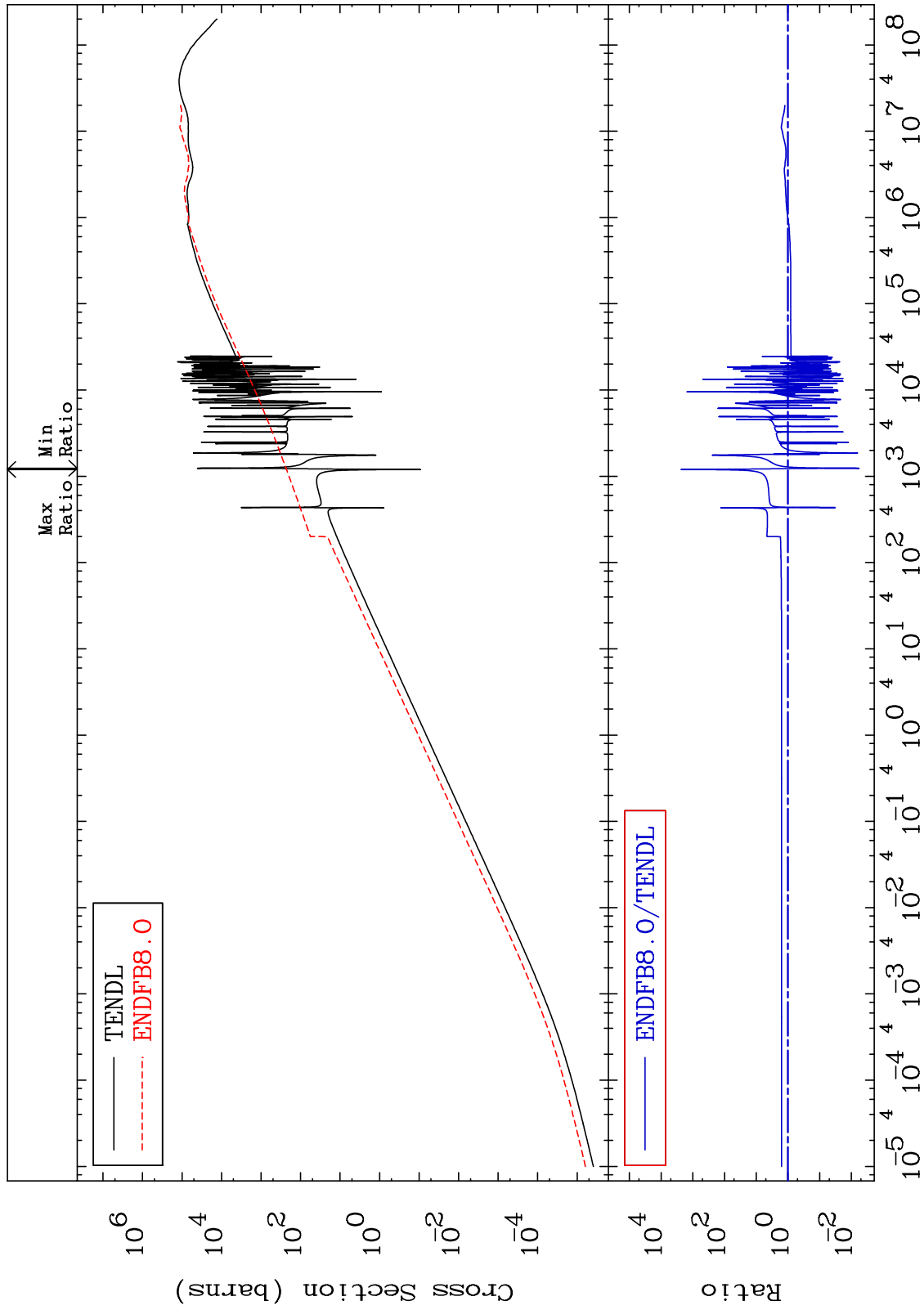
MAT 4425 Kerma total (eV-barns) 44-Ru-96
 Cross Section 306.9 To 9999. %



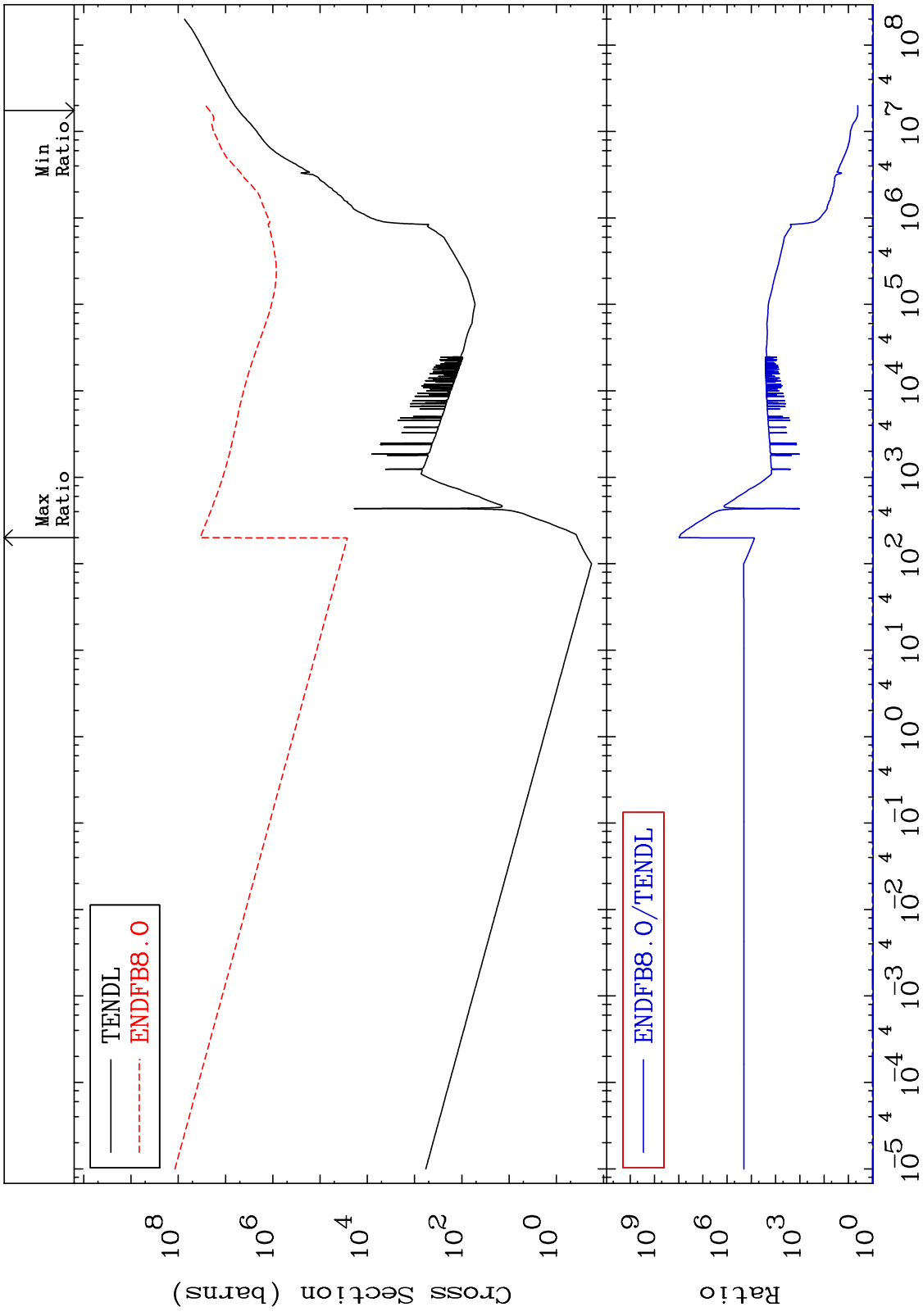
MAT 4425

Kerma elastic
Cross Section

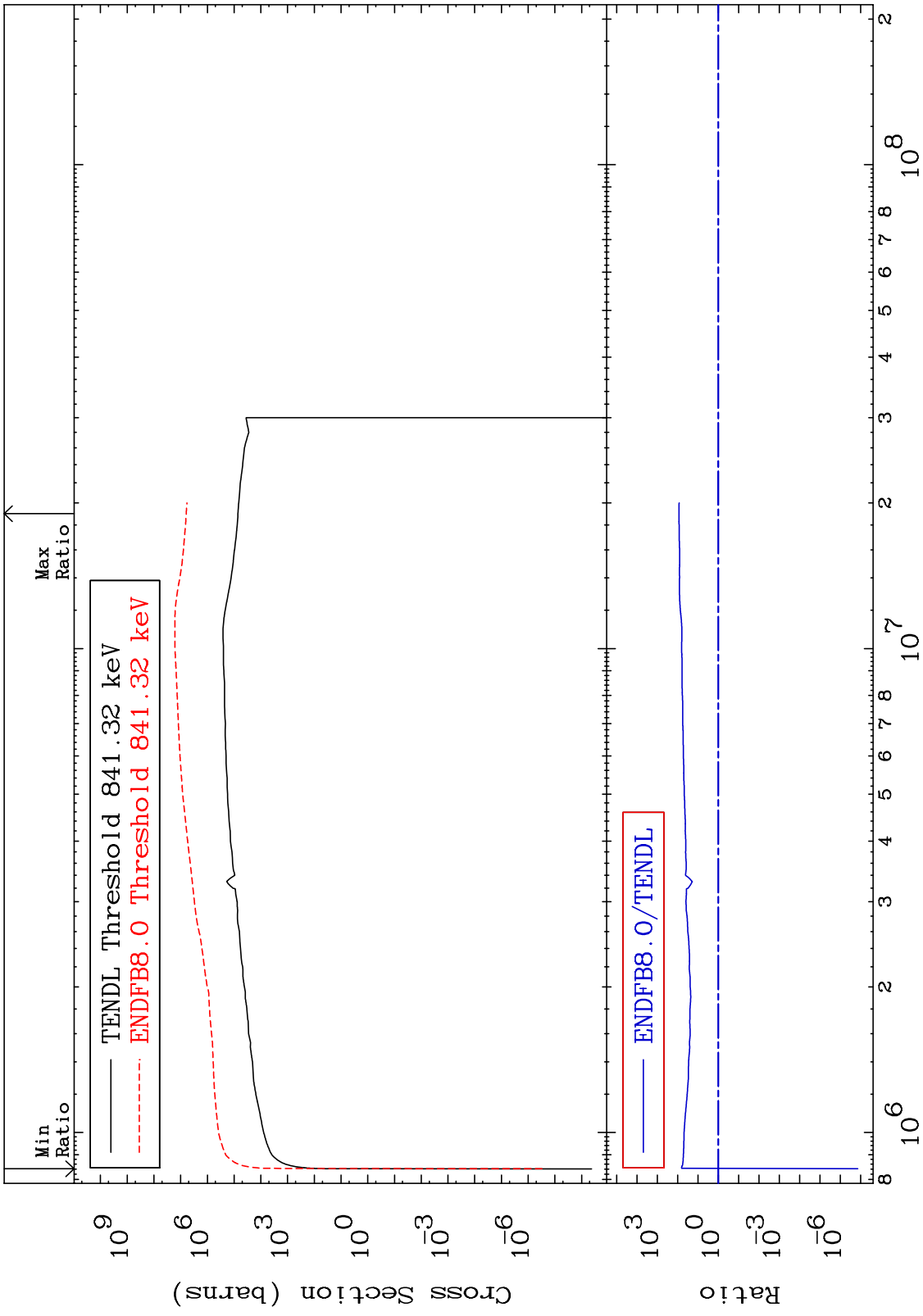
44-Ru-96
-99.43 To 9999. %



MAT 4425 Kerma non-elastic (all but mt2) Cross Section 44-Ru-96
 311.0 To 9999. %



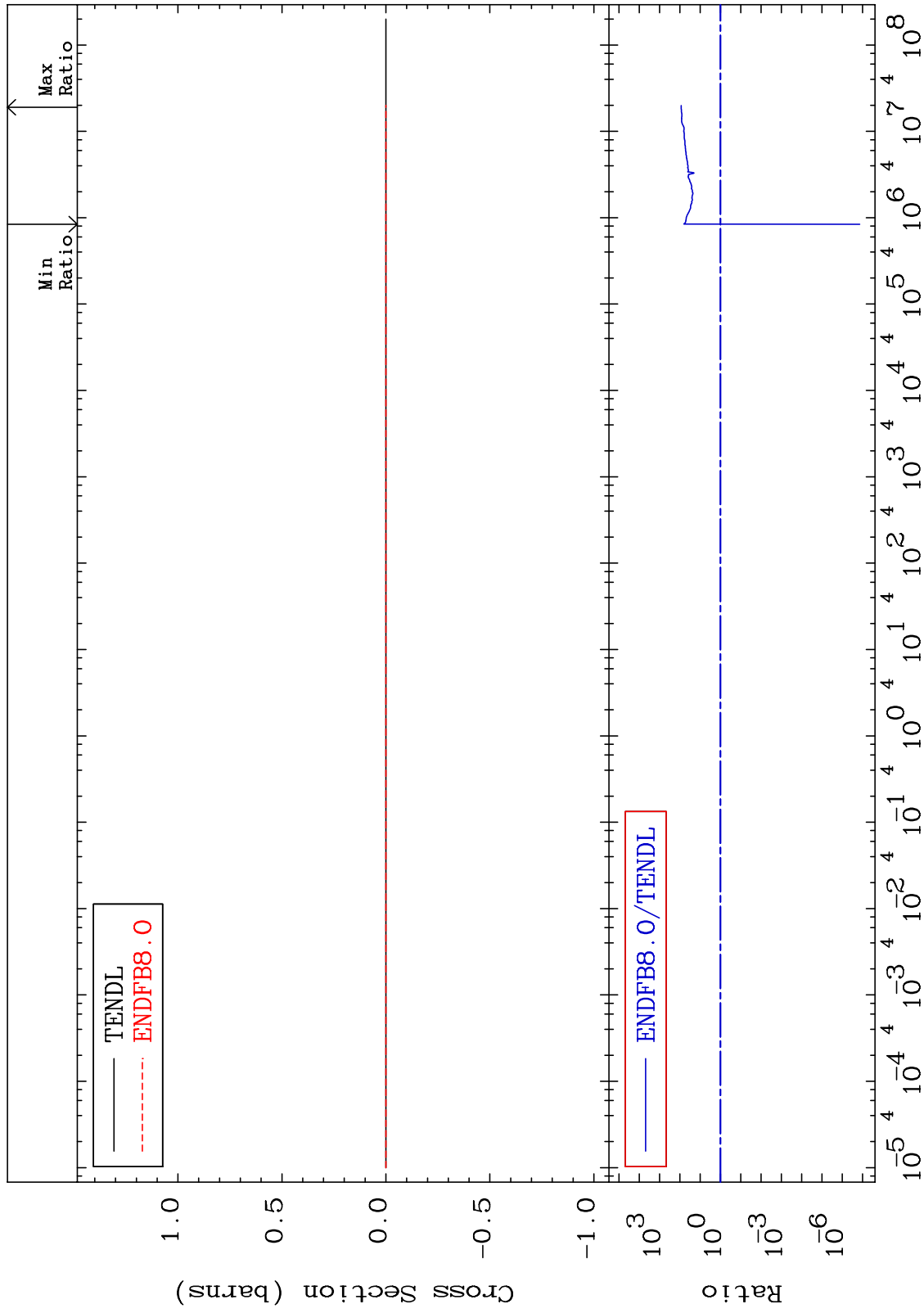
MAT 4425 Kerma inelastic (mt51-91) 44-Ru-96
 -100.0 To 8527. %



MAT 4425

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

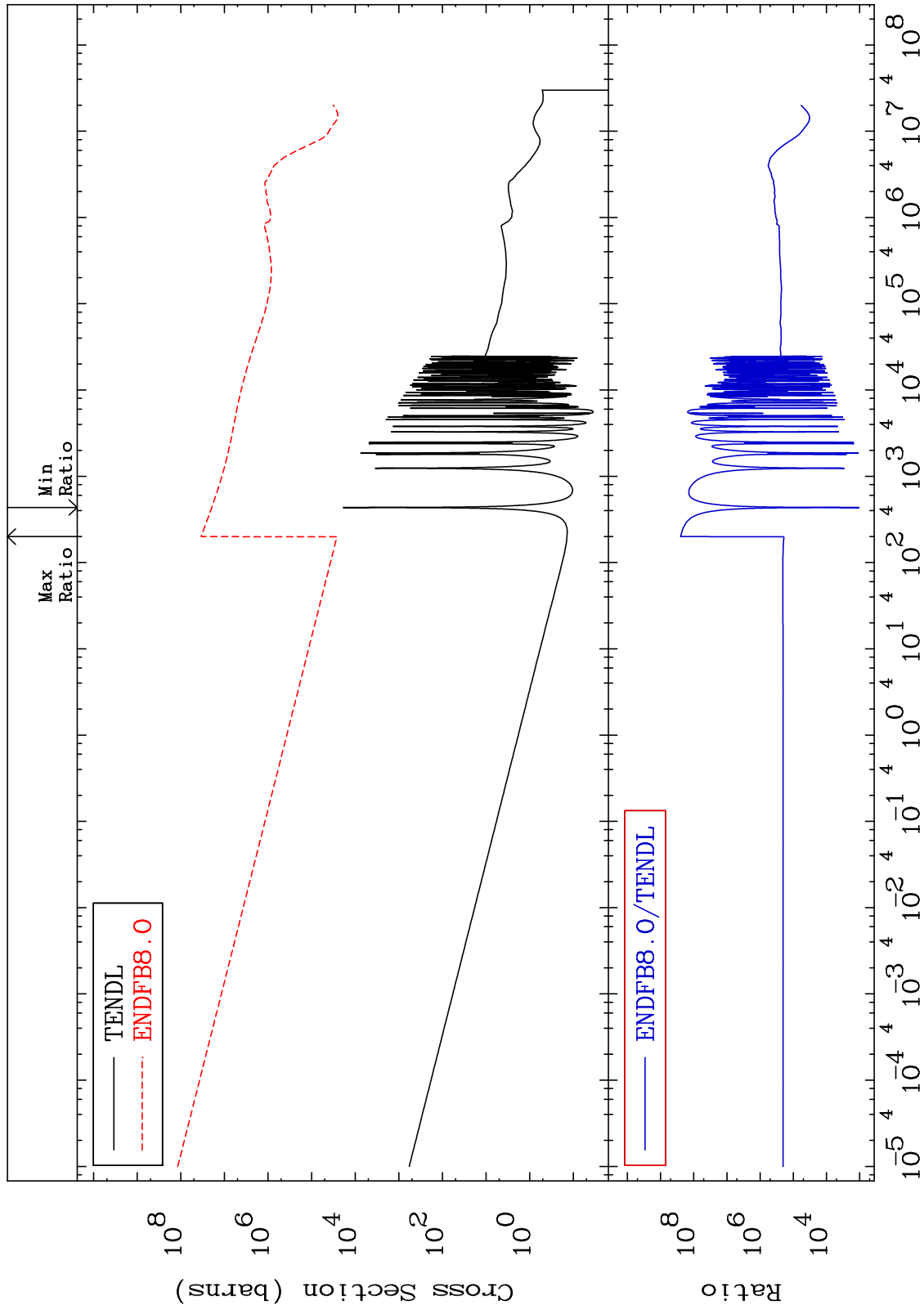
44-Ru-96
-100.0 To 8527. %



MAT 4425

Kerma capture (mt102)
Cross Section

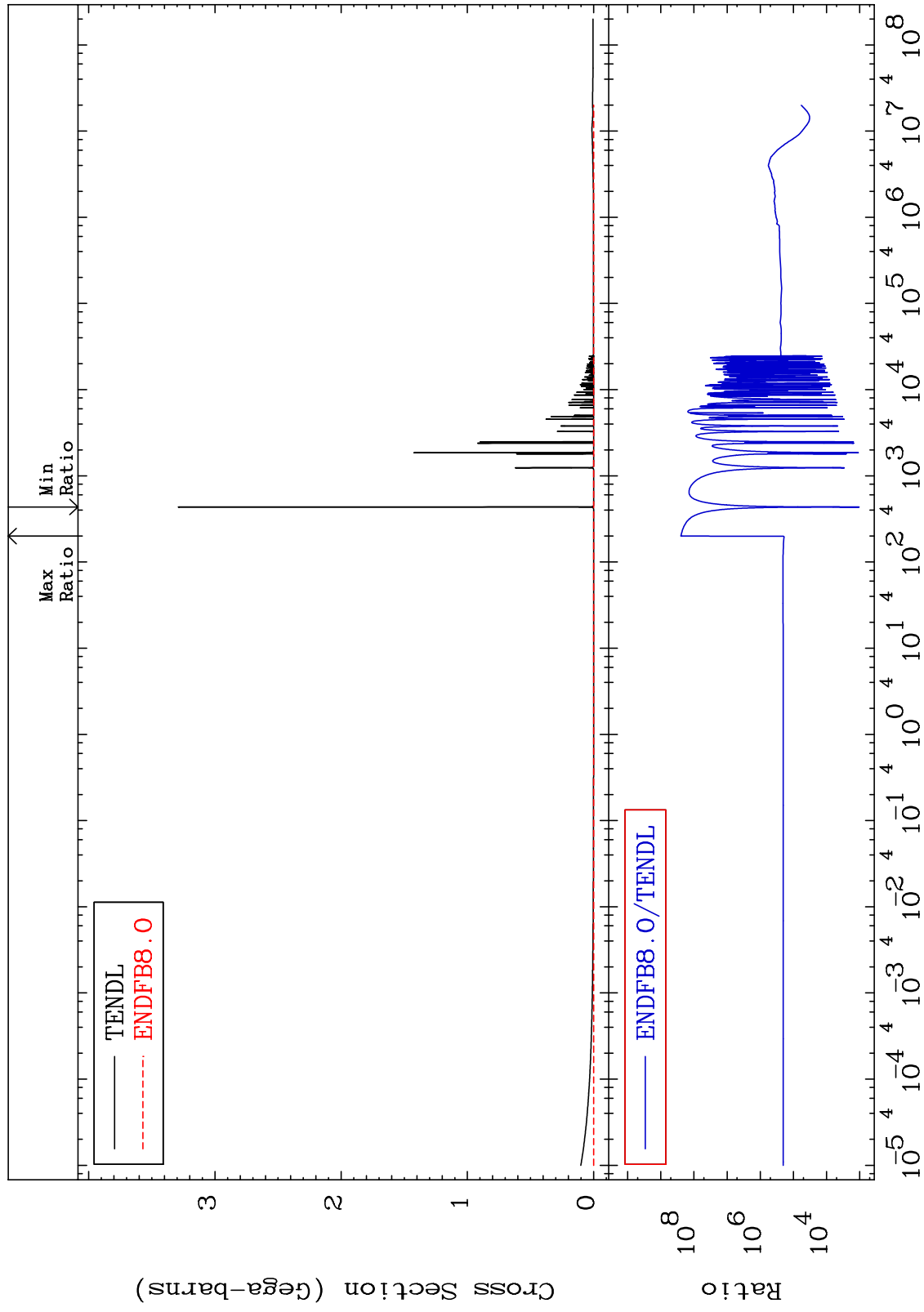
44-Ru-96
9999. To 9999. %



MAT 4425

Total photon (eV-barns)
Cross Section

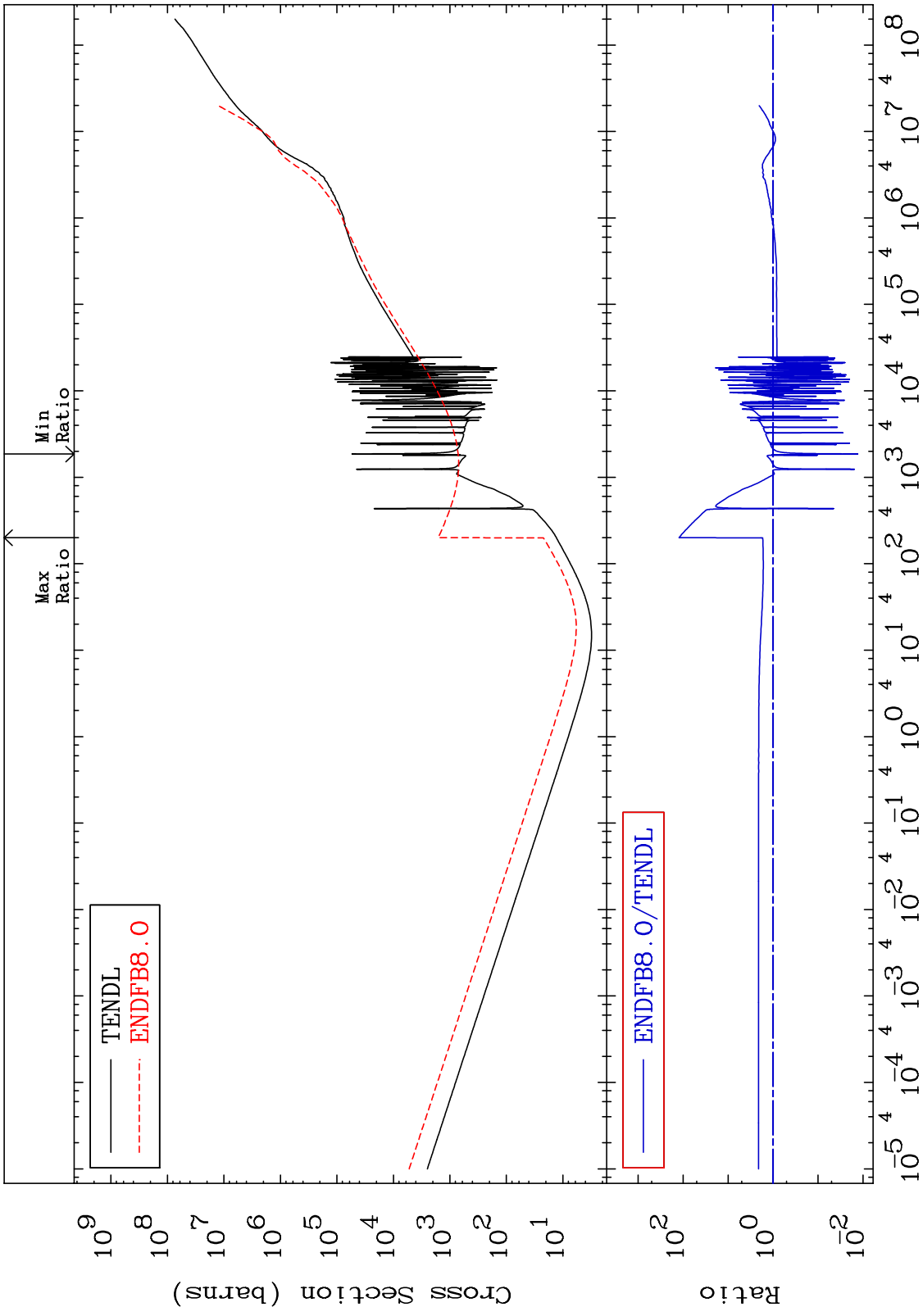
44-Ru-96
9999. To 9999. %



40

44-Ru-96

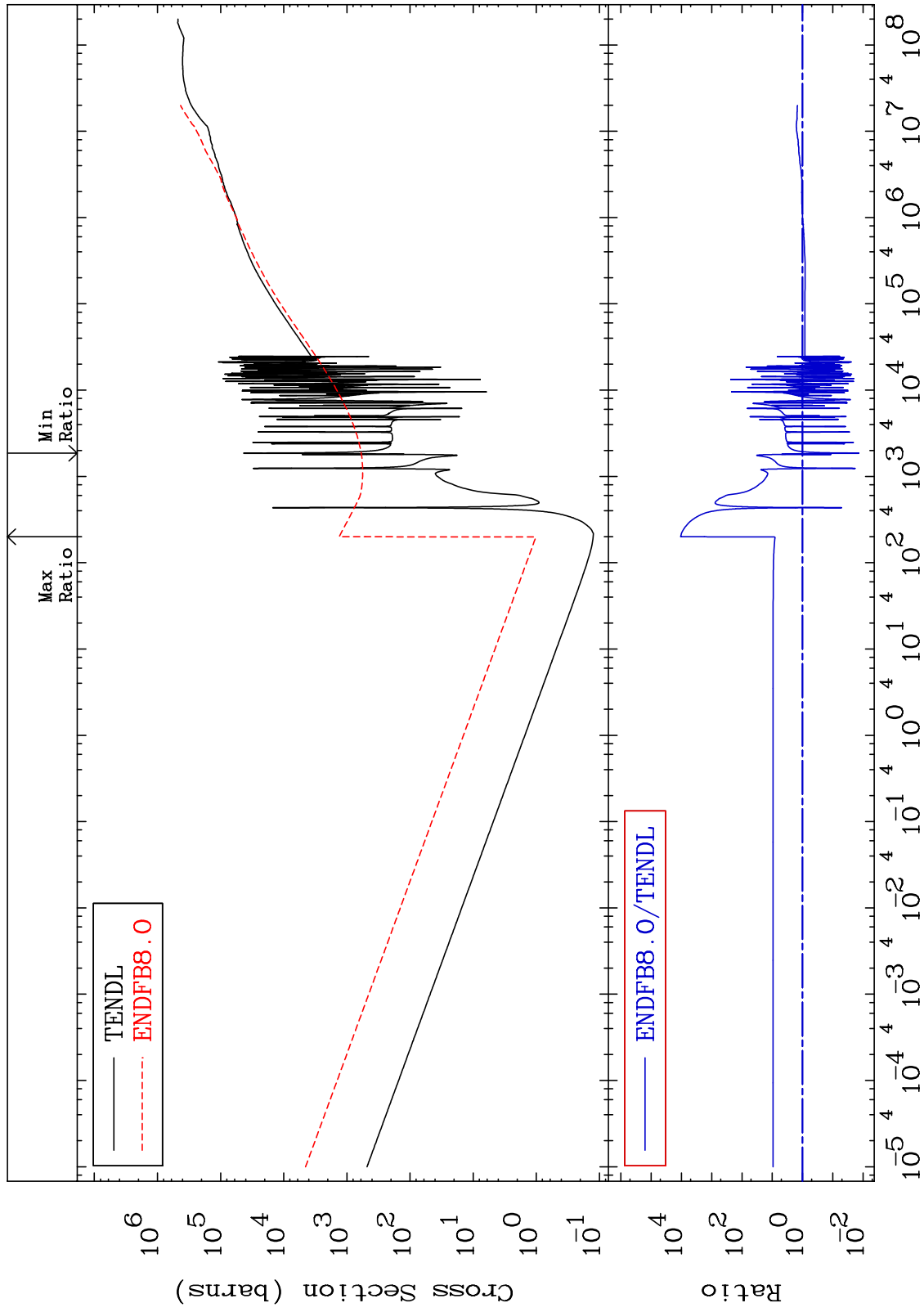
MAT 4425 Total kinematic kerma (high limit) 44-Ru-96
 Cross Section -98.69 To 9999. %



MAT 4425

Dpa total (eV-barns)
Cross Section

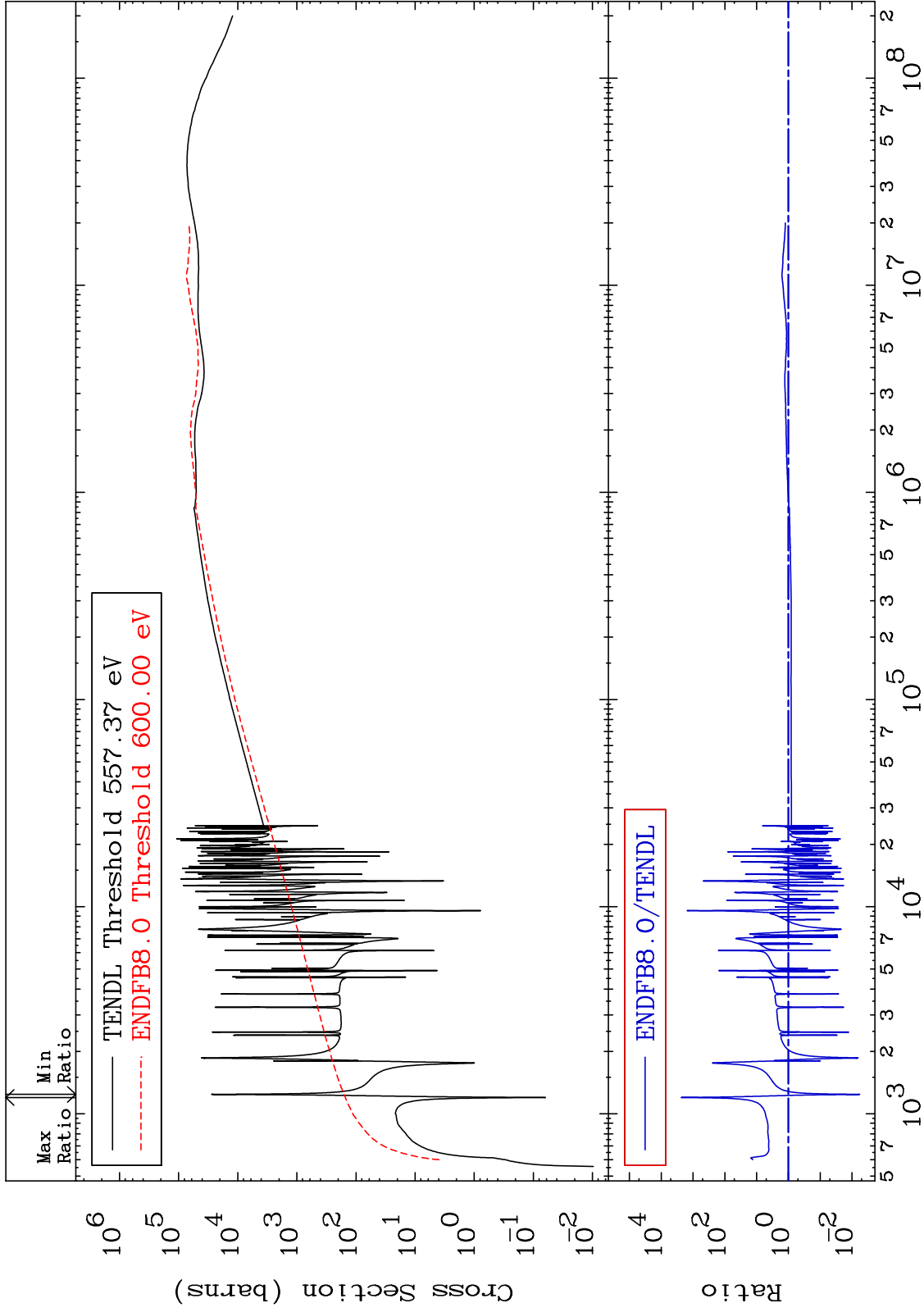
44-Ru-96
-98.63 To 9999. %



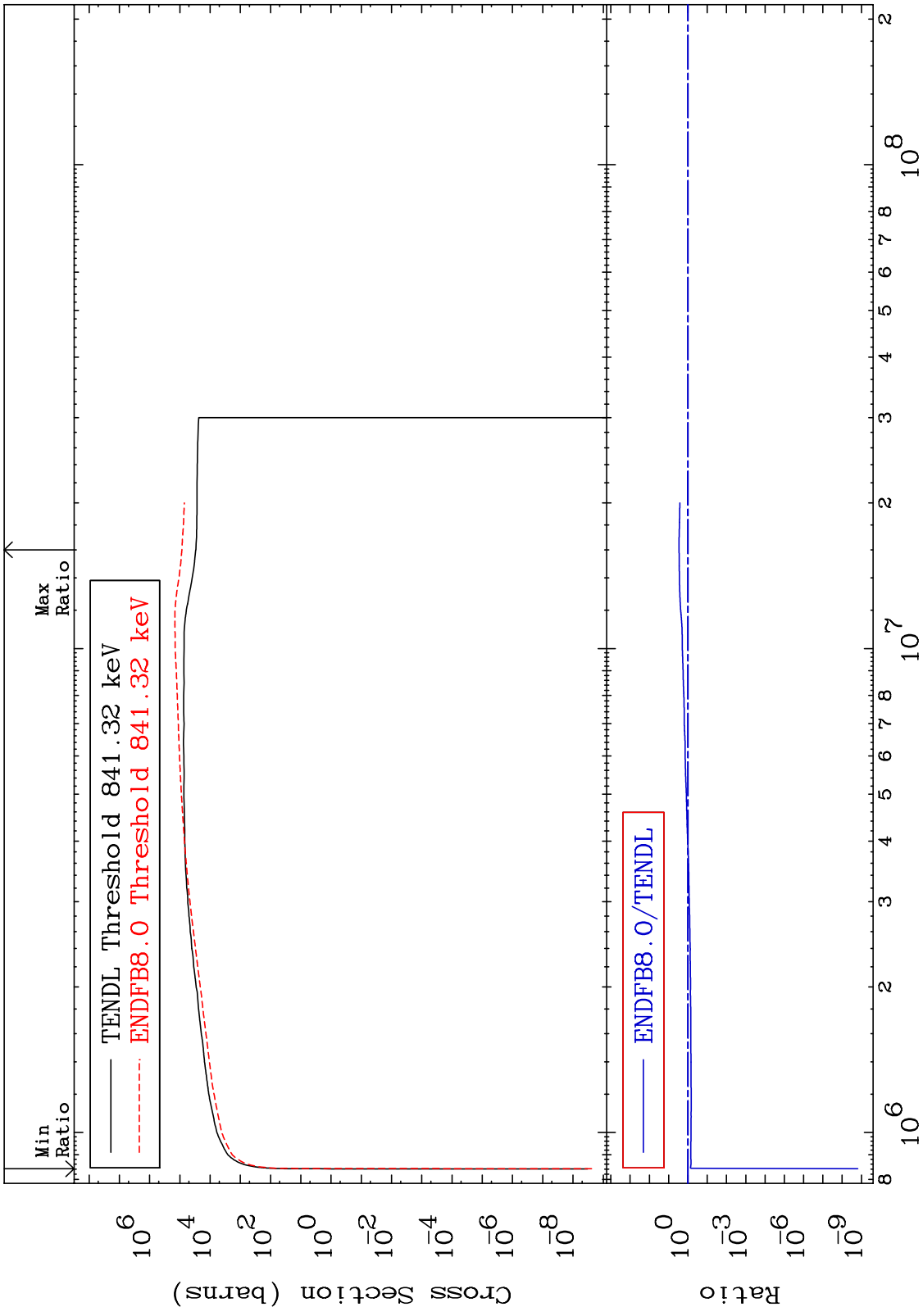
MAT 4425

Dpa elastic (mt2)
Cross Section

44-Ru-96
-99.43 To 9999. %



MAT 4425 Dpa inelastic (mt51-91) 44-Ru-96
 Cross Section -100.0 To 189.1 %



MAT 4425

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-96
-94.93 To 9999. %

