

Program Complot
(Version 2021-1)

by

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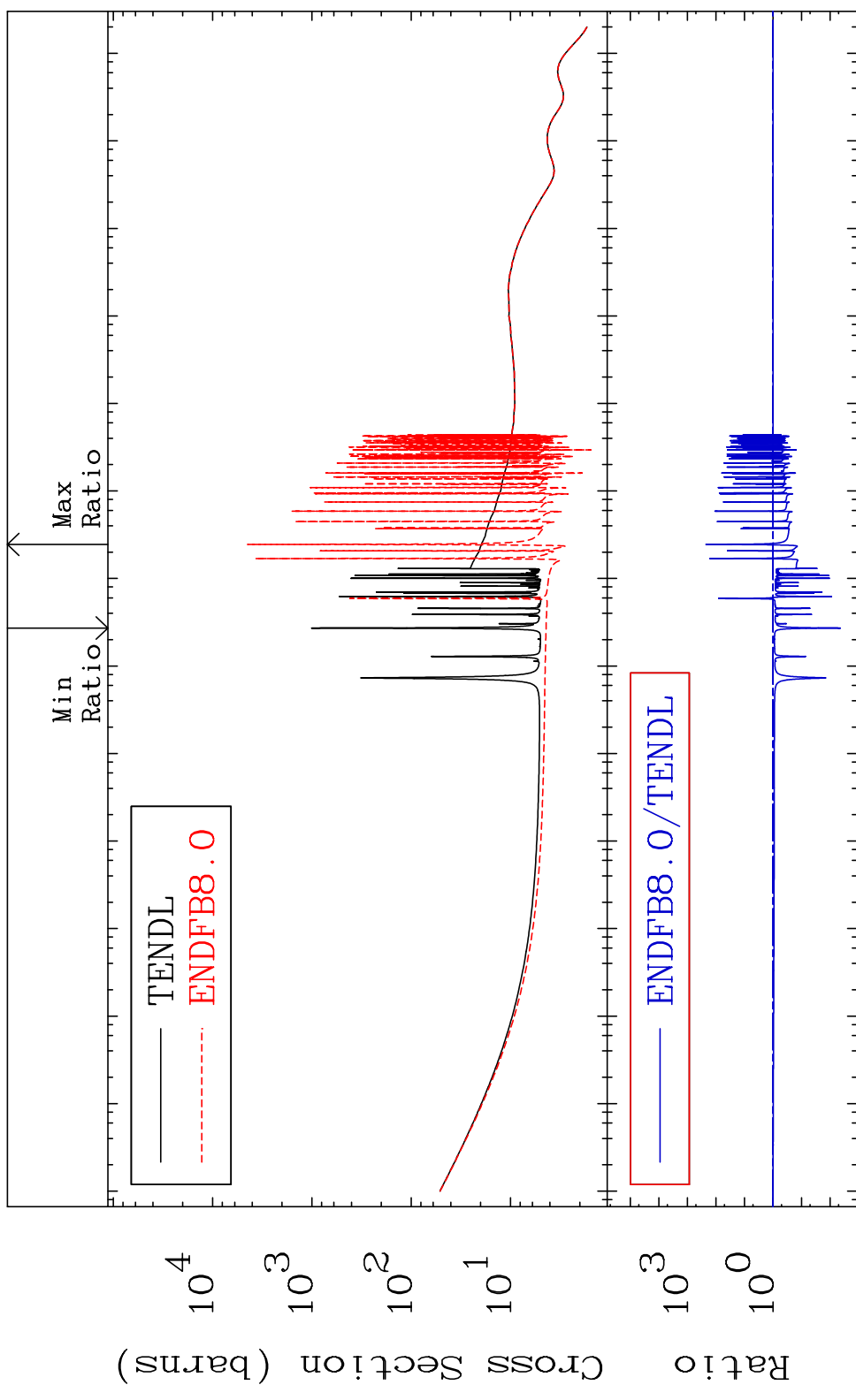
Press Mouse Button to Start

MAT 4322

Total

43-Tc-98

Cross Section -99.57 To 9999. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

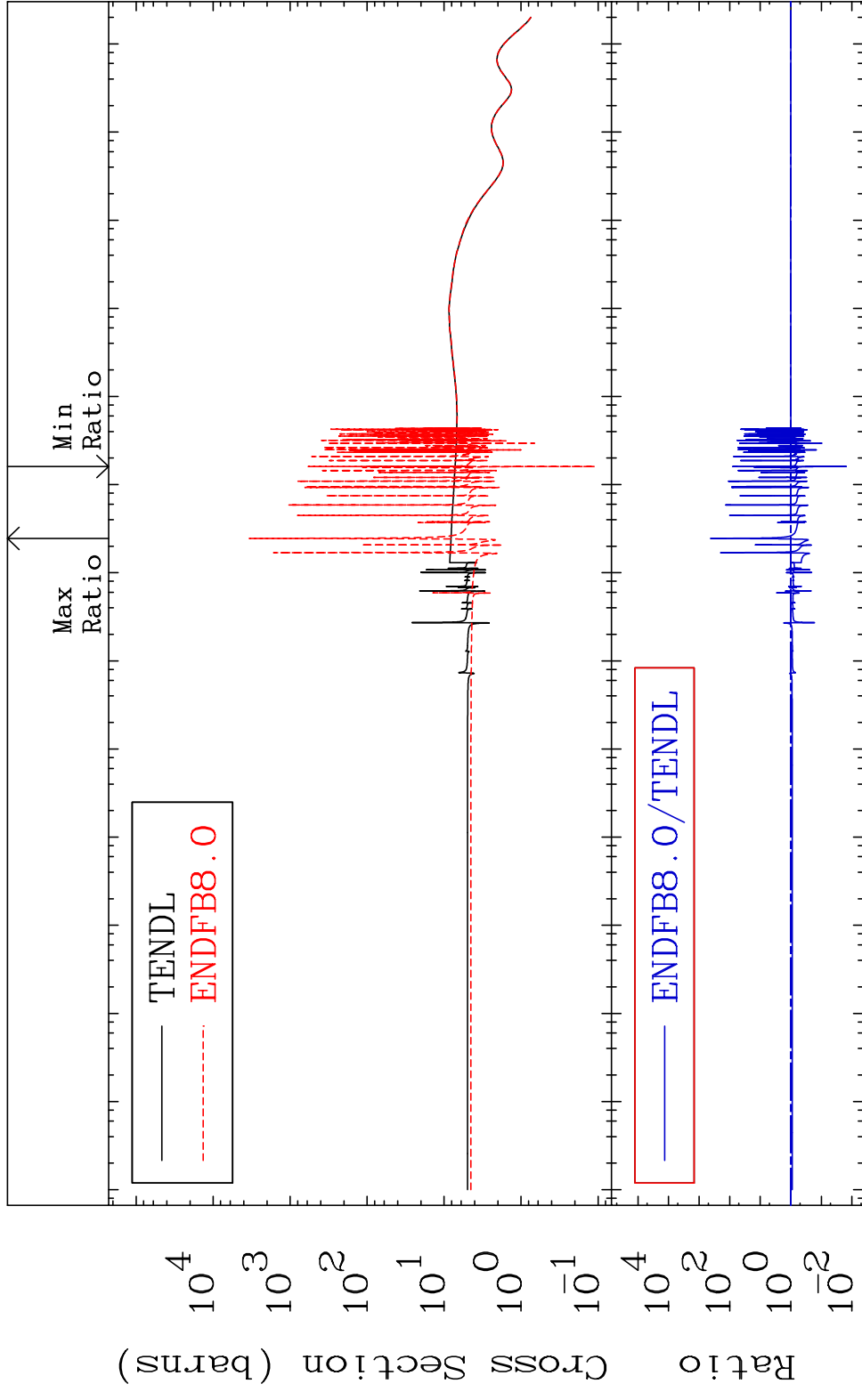
1

Incident Energy (eV)

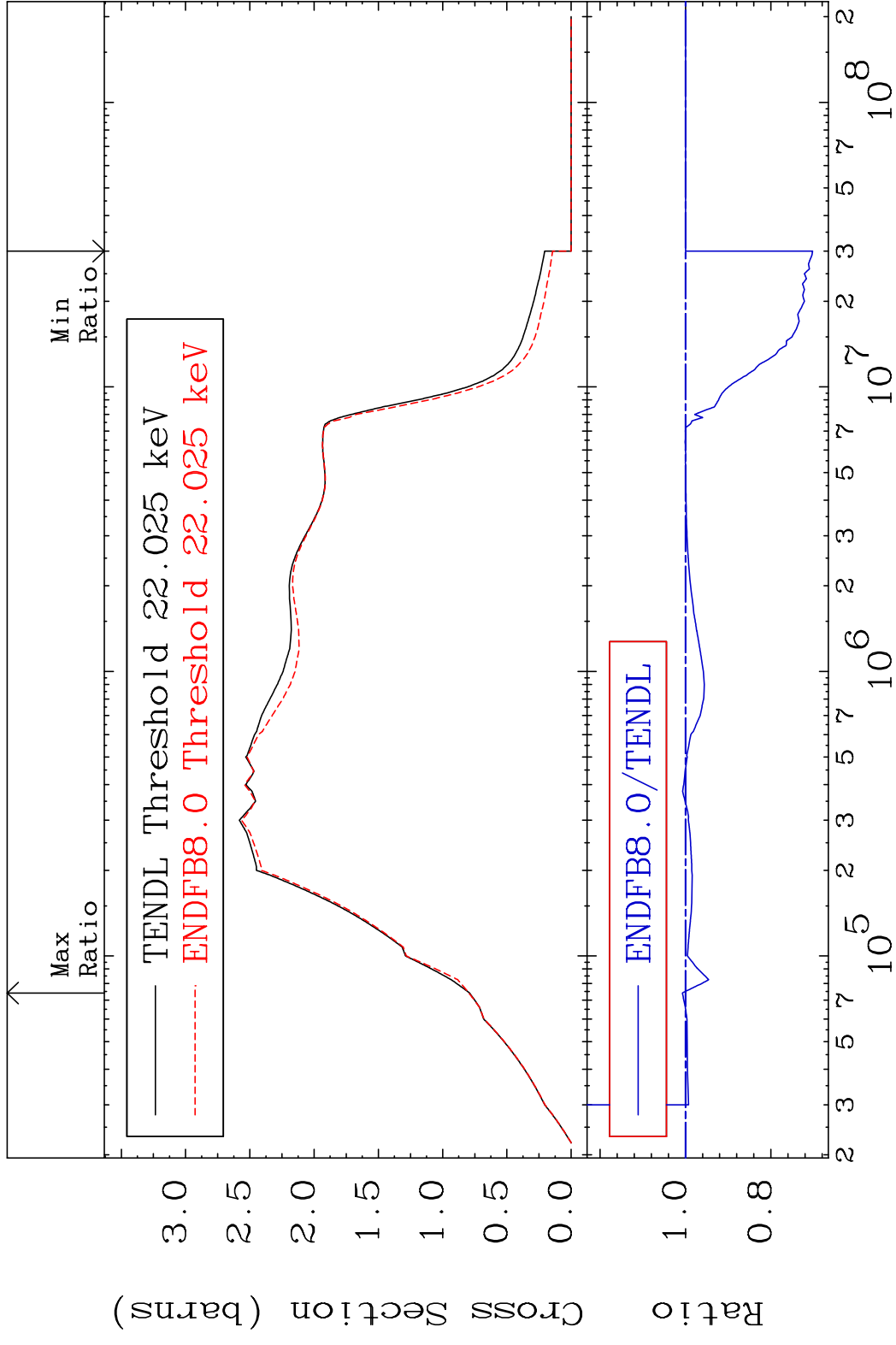
43-Tc-98

MAT 4322

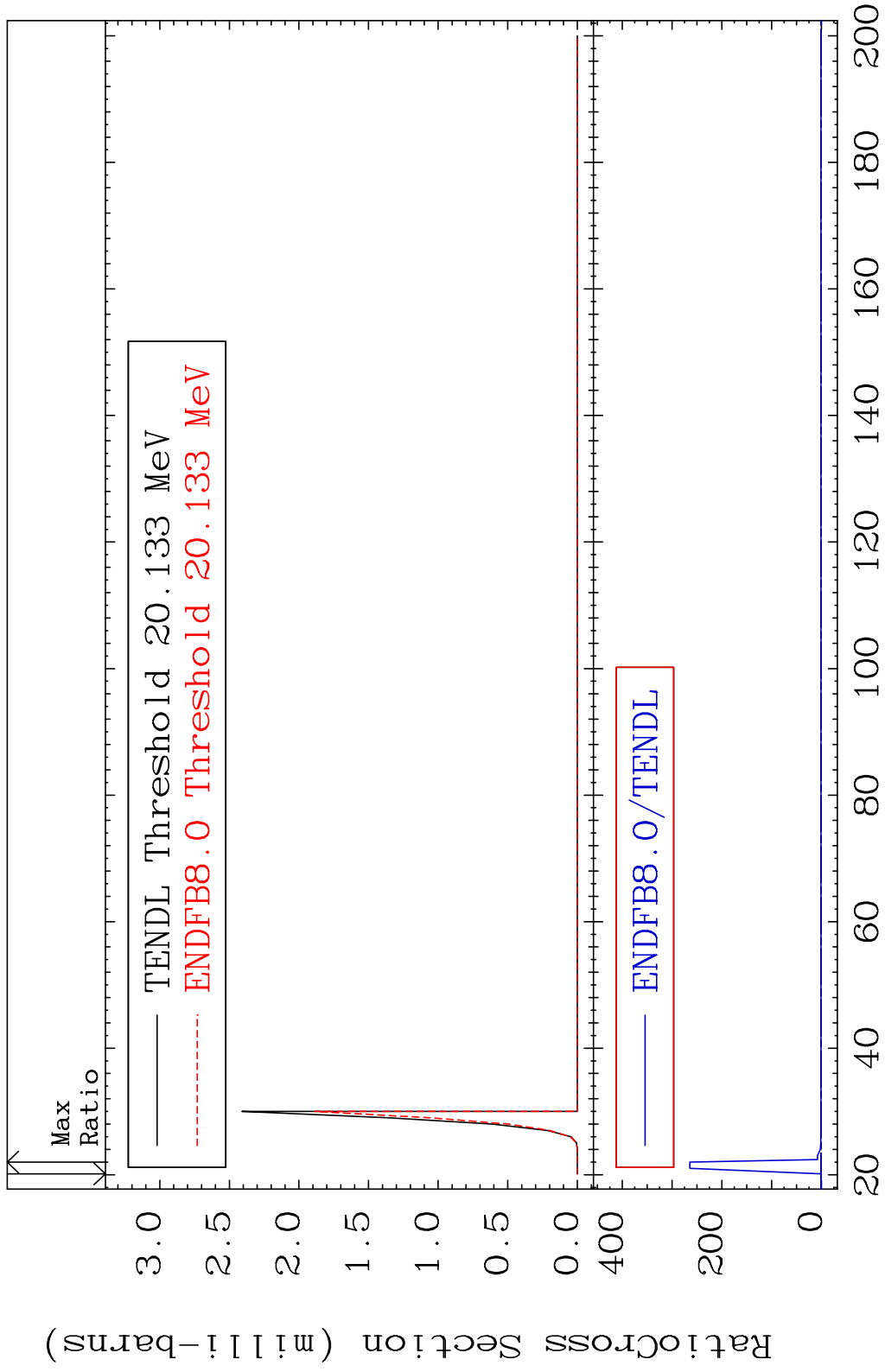
Elastic Cross Section -98.48 To 9999. % 43-Tc-98



MAT 4322 Inelastic 43-Tc-98
 Cross Section -29.76 To 0.737 %

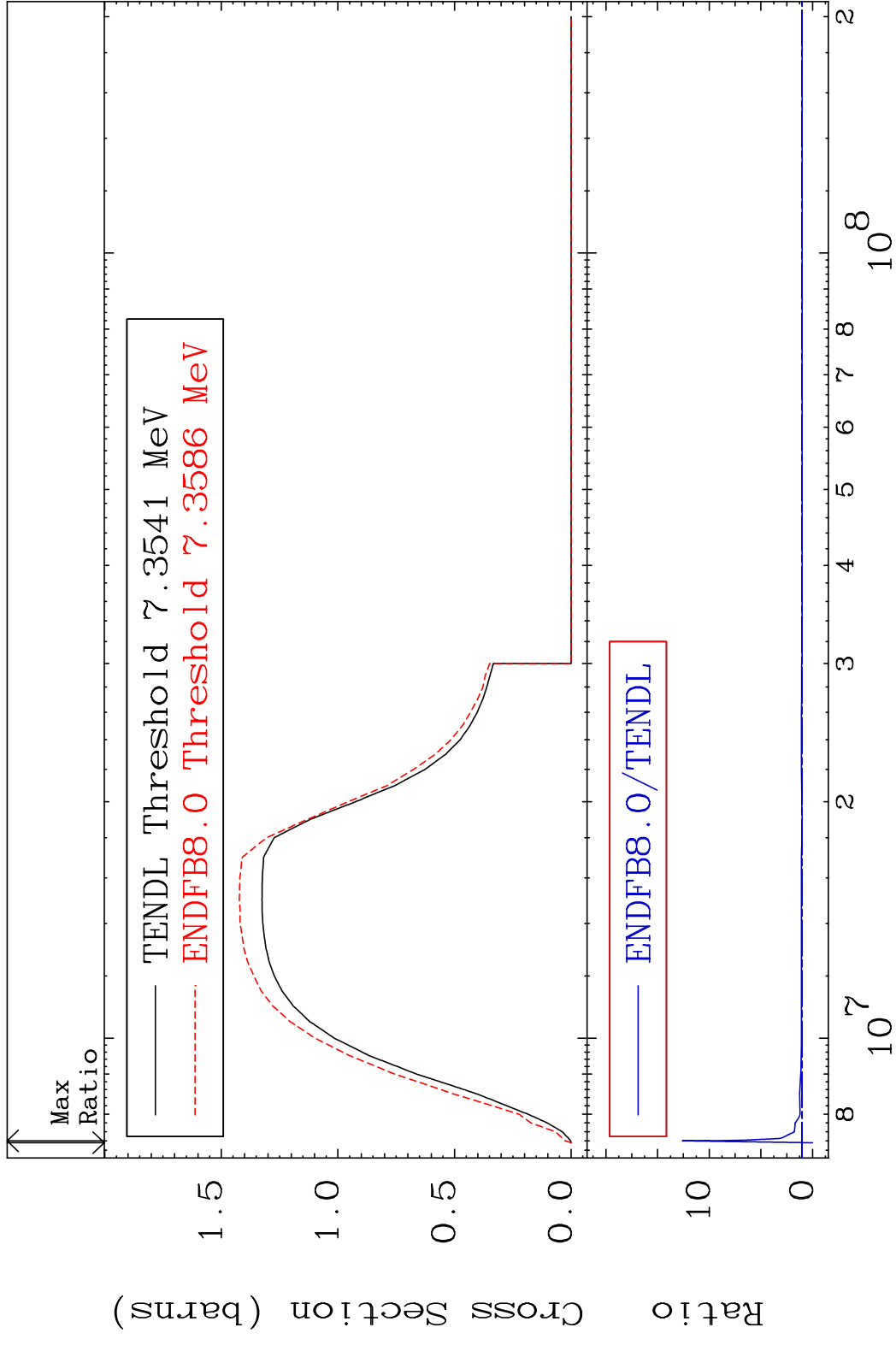


MAT 4322 (n,2n) d 43-Tc-98
Cross Section -100.0 To 9999. %



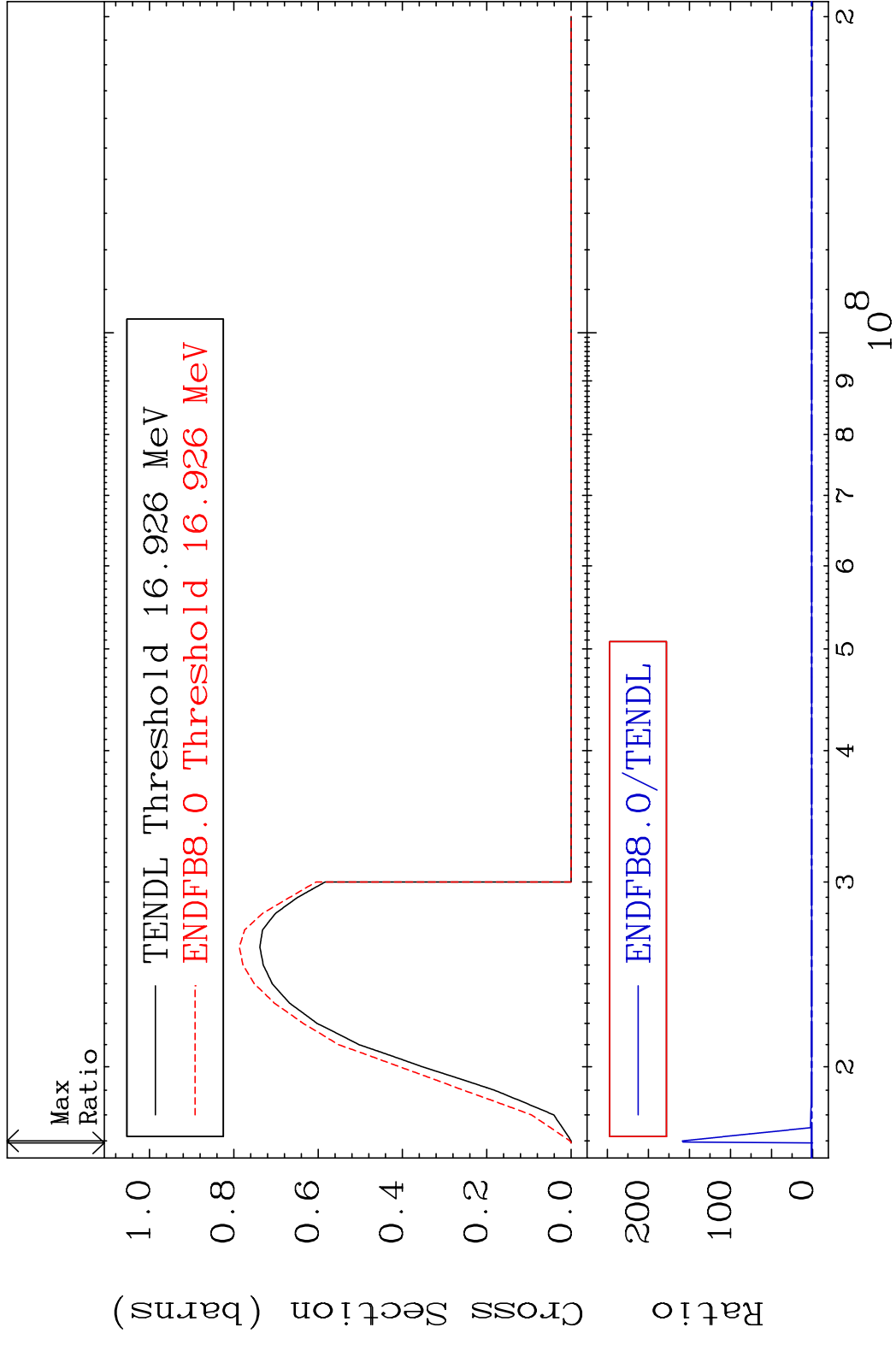
4 Incident Energy (MeV) 43-Tc-98

MAT 4322 (n,2n) 43-Tc-98
 Cross Section -100.0 To 1160. %

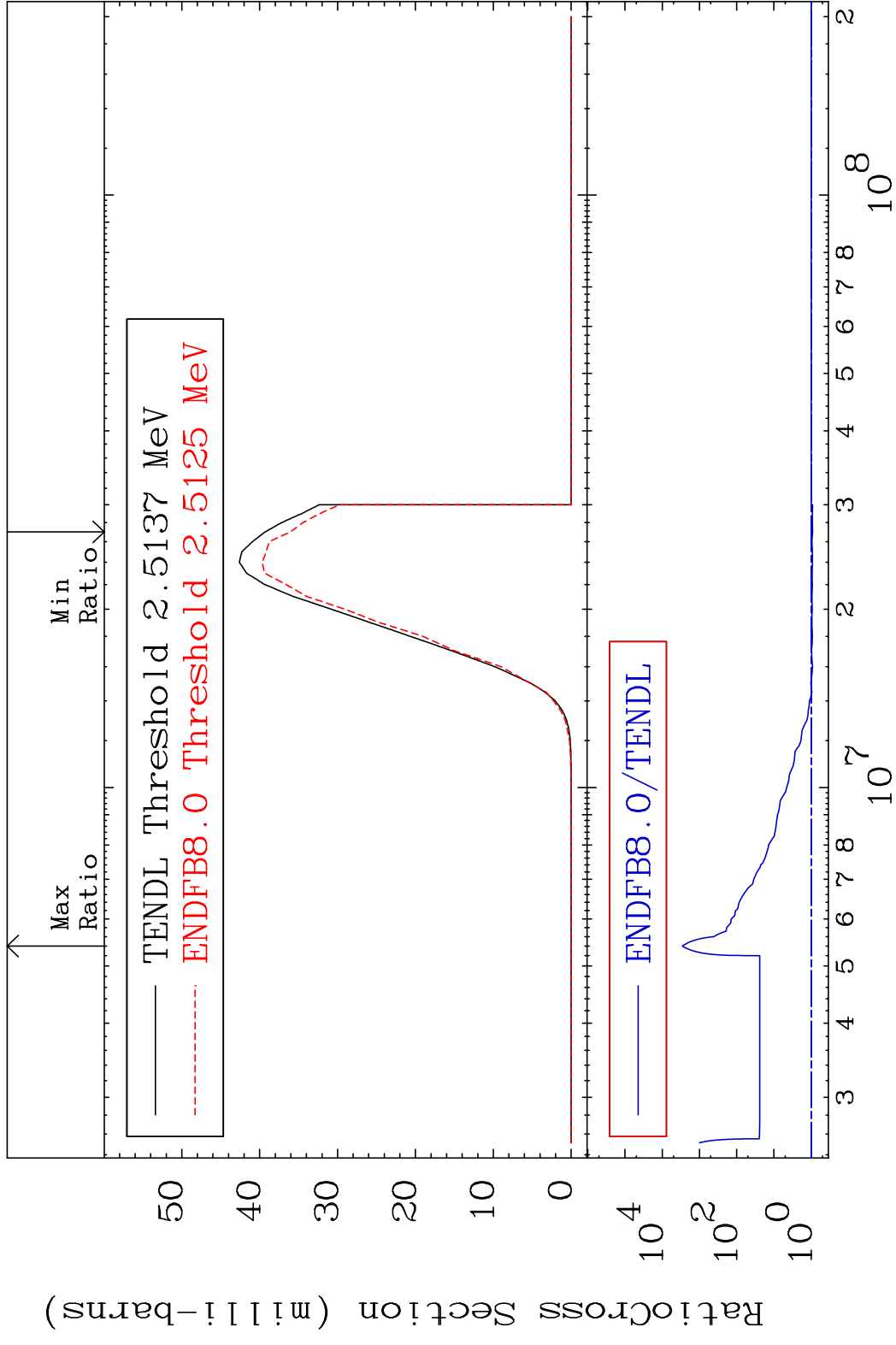


5 Incident Energy (eV) 43-Tc-98

MAT 4322 (n,3n) 43-Tc-98
 Cross Section -100.0 To 9999. %



MAT 4322 (n, n') α 43-Tc-98
 Cross Section -8.275 To 9999. %

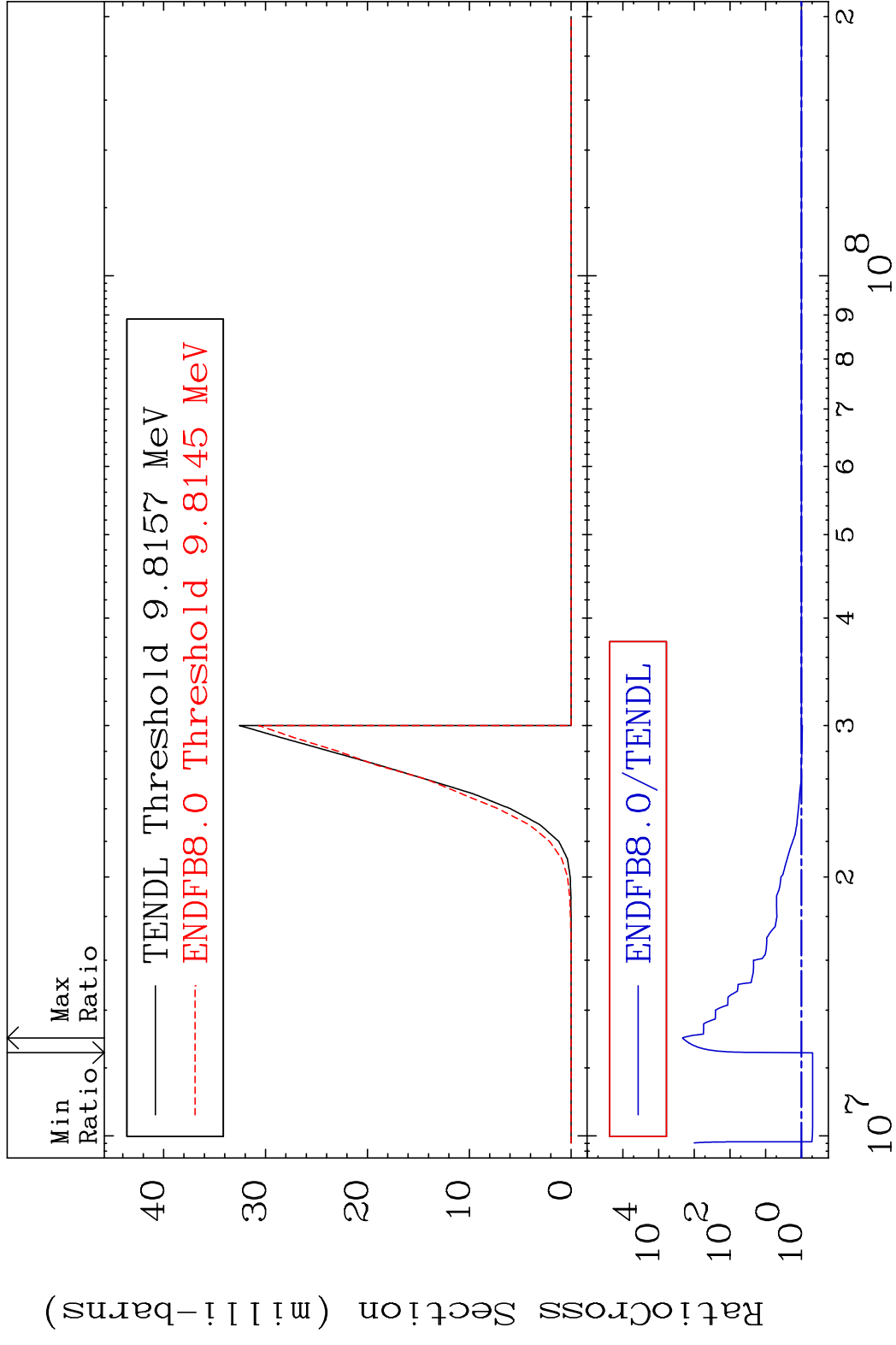


MAT 4322

(n,2n) α

43-Tc-98

Cross Section -51.48 To 9999. %

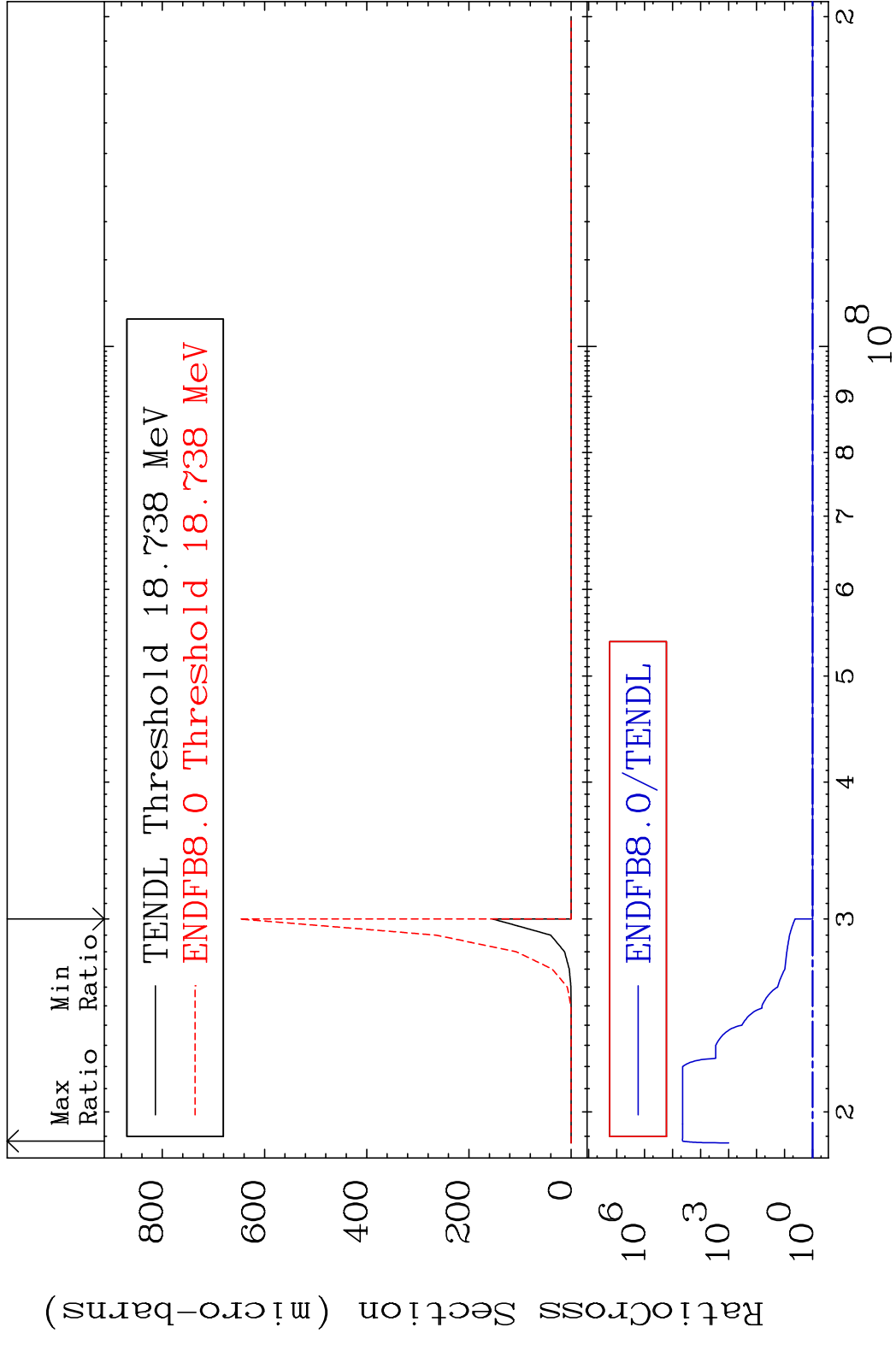


8

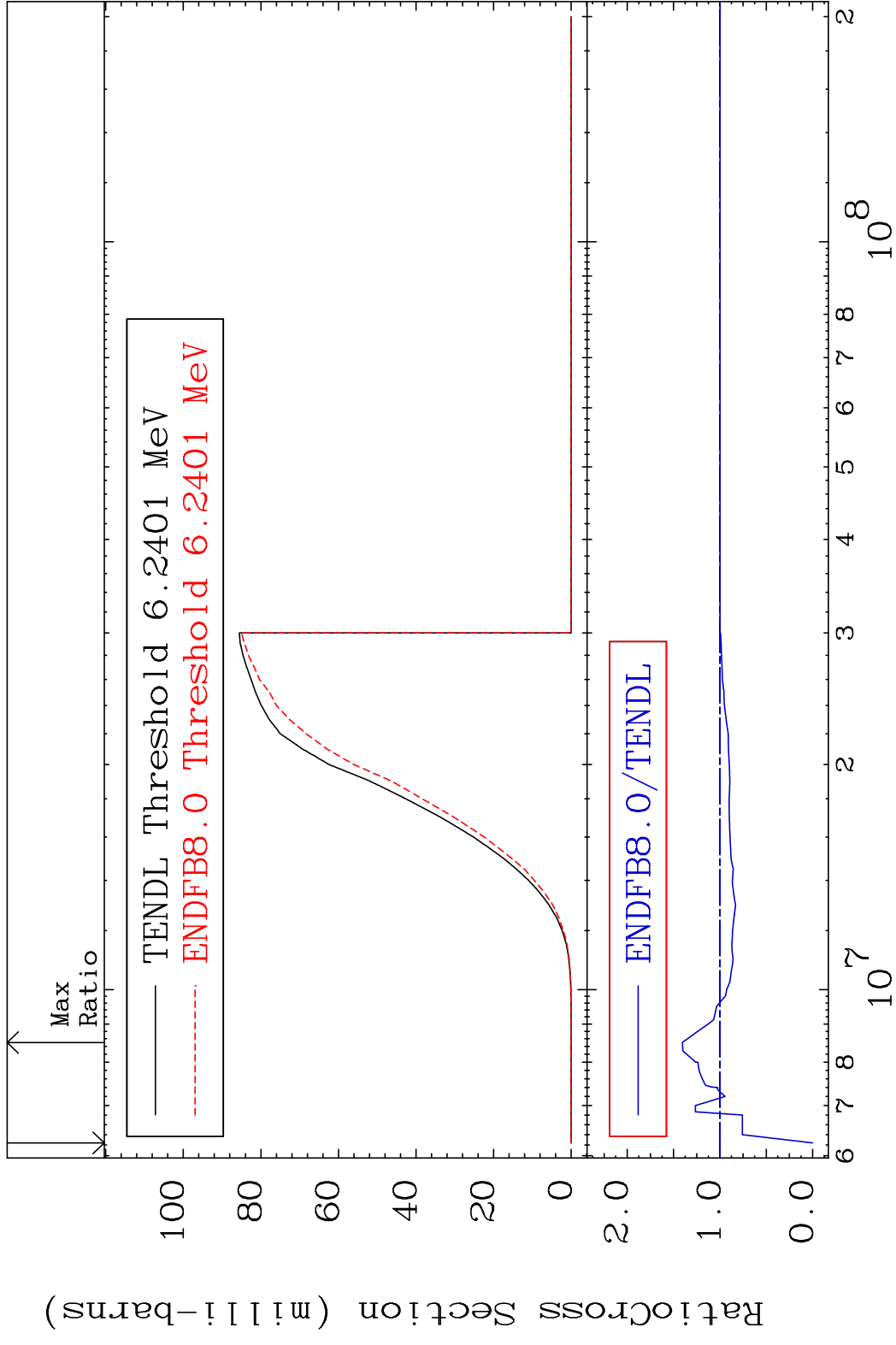
Incident Energy (eV)

43-Tc-98

MAT 4322 (n,3n) α 43-Tc-98
 Cross Section 0.000 To 9999. %

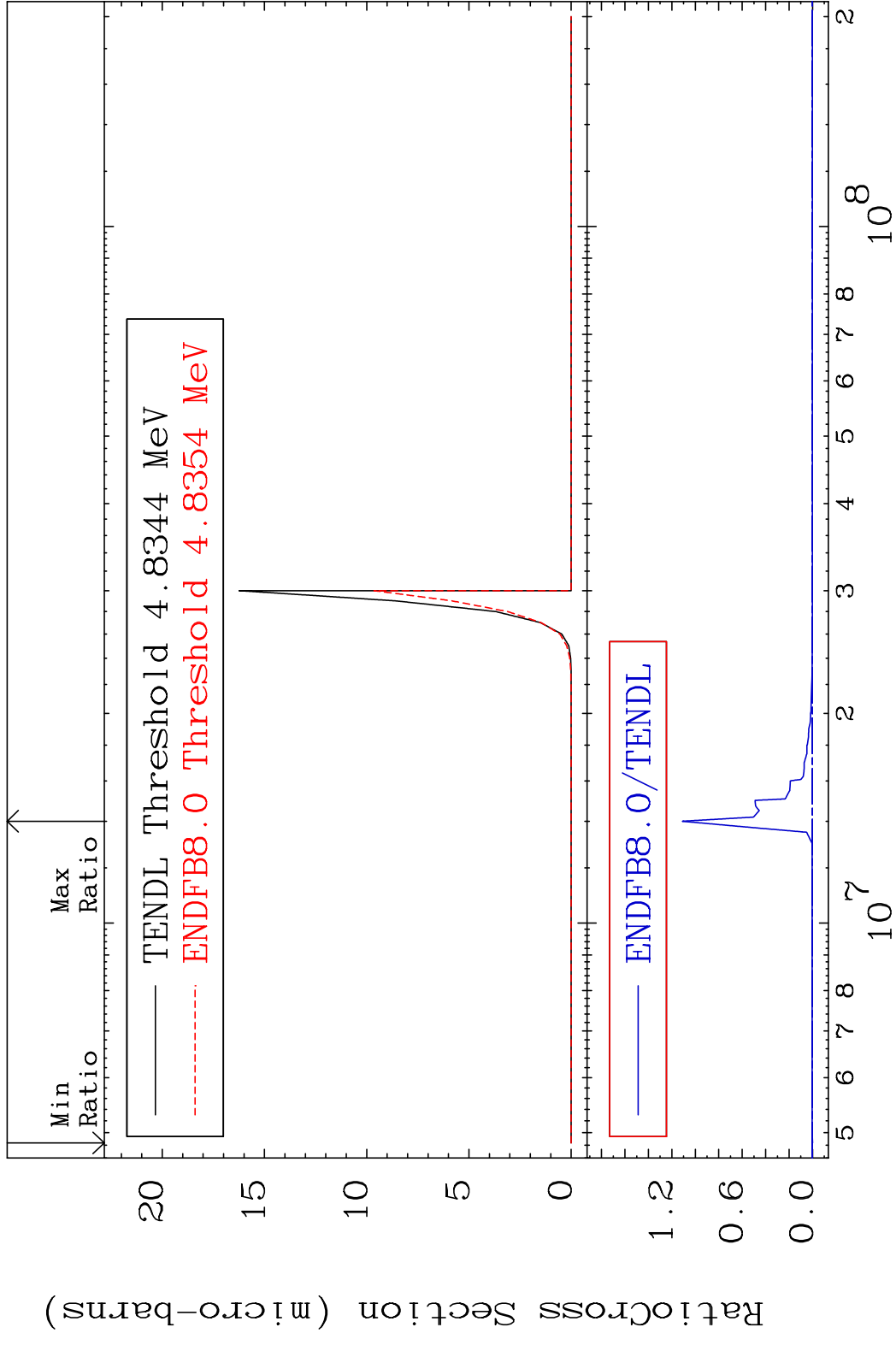


MAT 4322 (n, n') p 43-Tc-98
 Cross Section -100.0 To 40.53 %

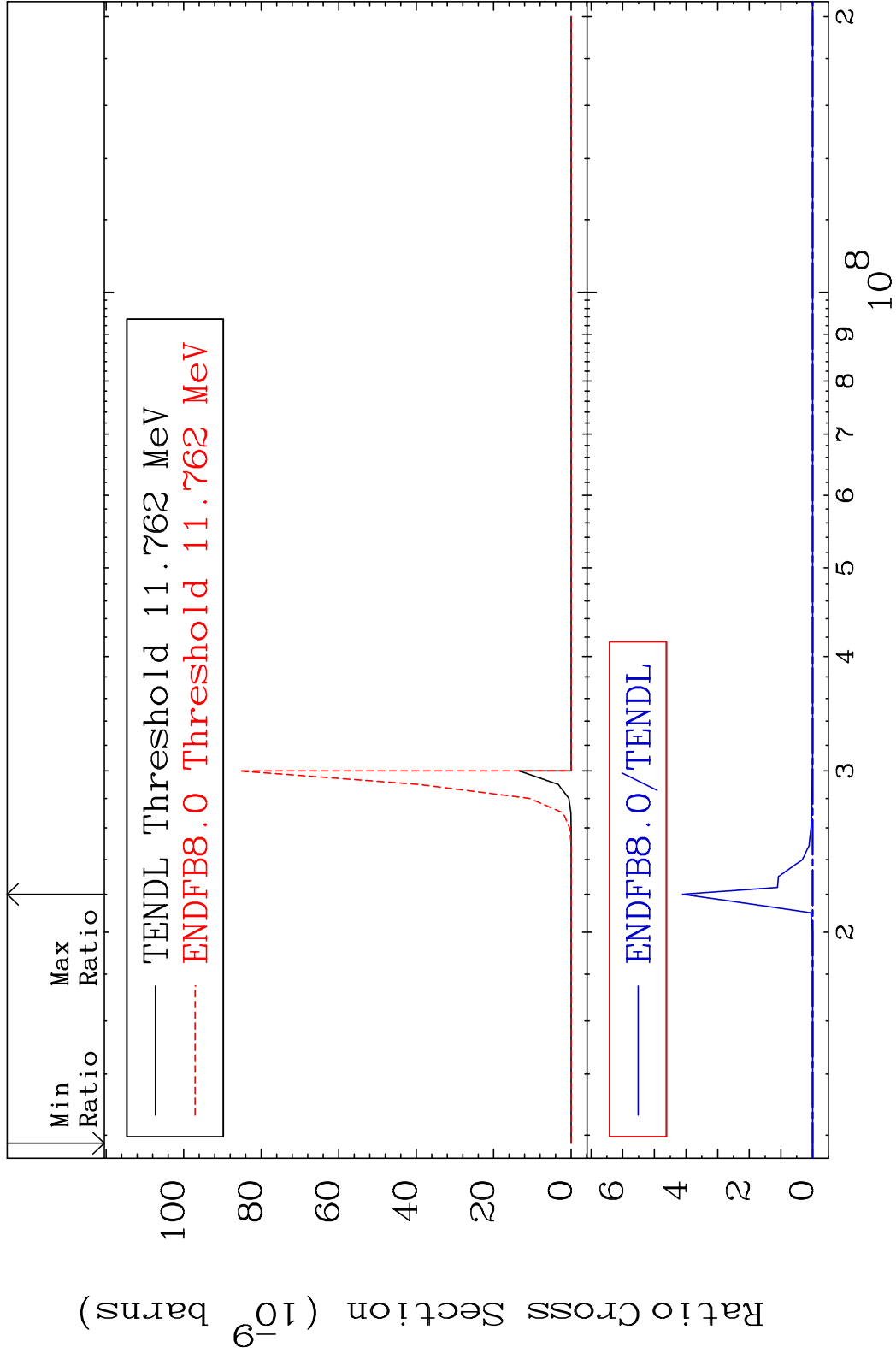


10 10 10 2 43-Tc-98

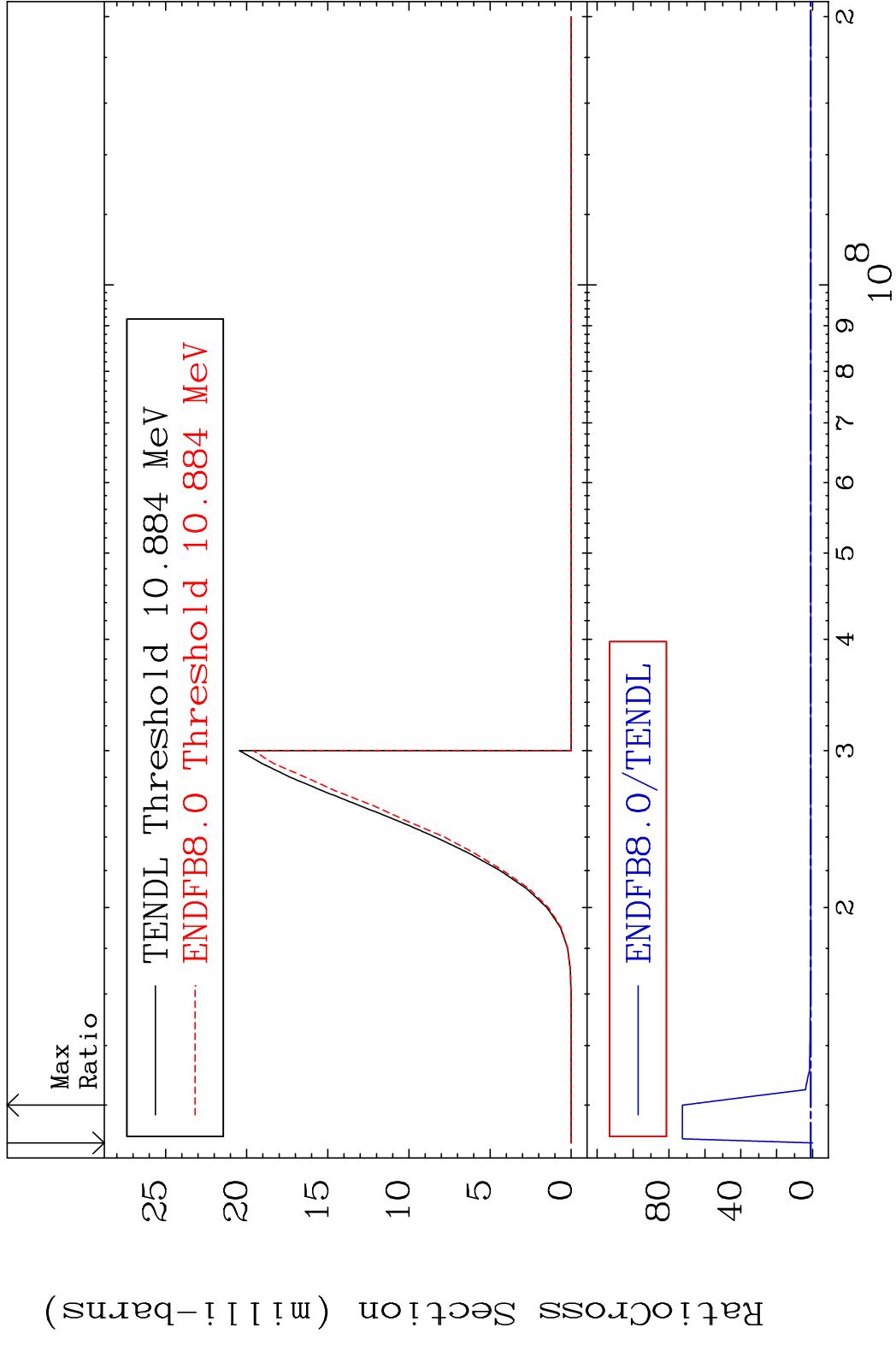
MAT 4322 (n, n') 2α 43-Tc-98
 Cross Section -100.0 To 9999. %



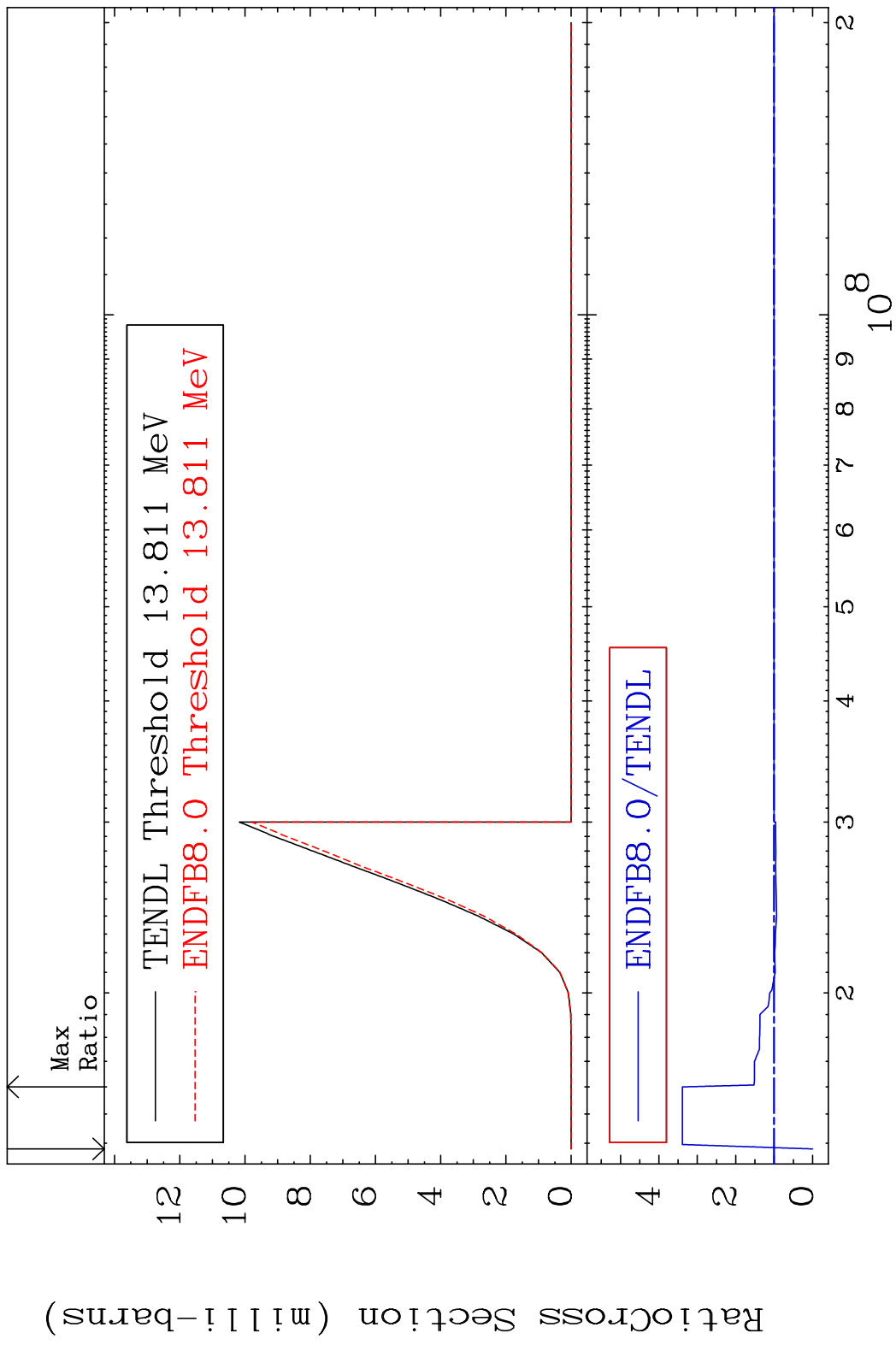
MAT 4322 (n,2n) 2α 43-Tc-98
 Cross Section -100.0 To 9999. %



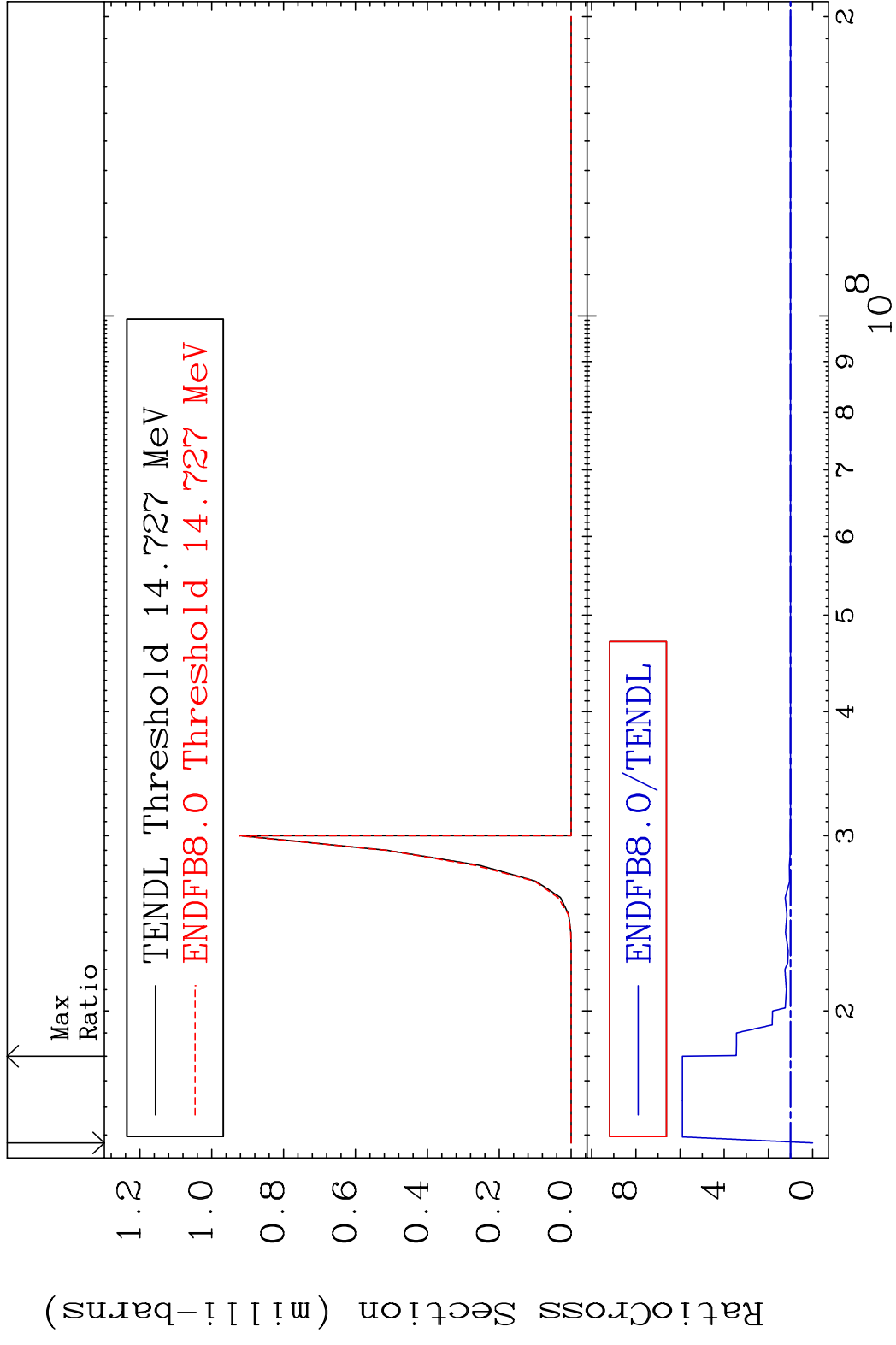
MAT 4322 (n, n') d 43-Tc-98
 Cross Section -100.0 To 7154. %



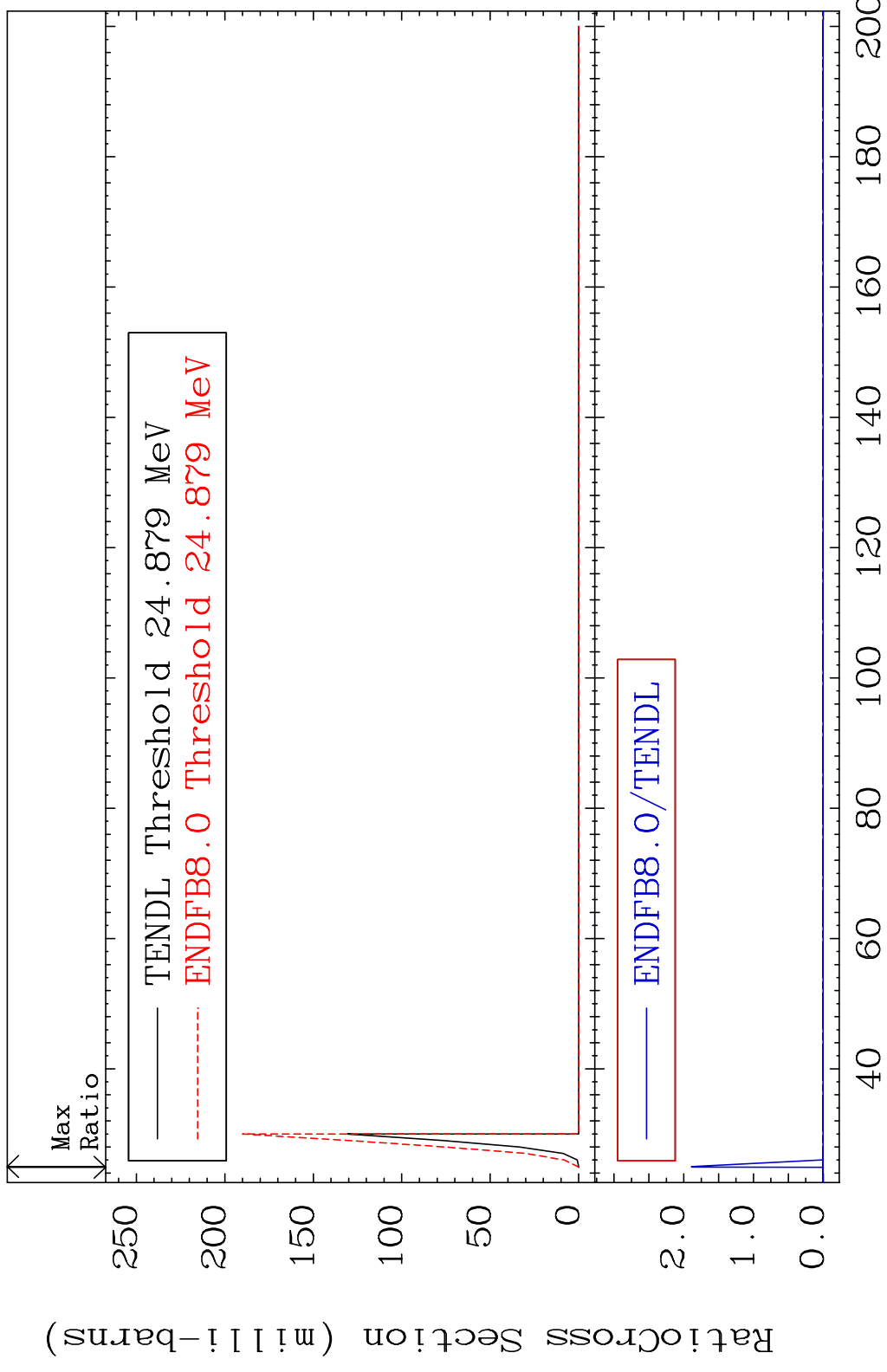
MAT 4322 (n, n') t 43-Tc-98
 Cross Section -100.0 To 238.9 %



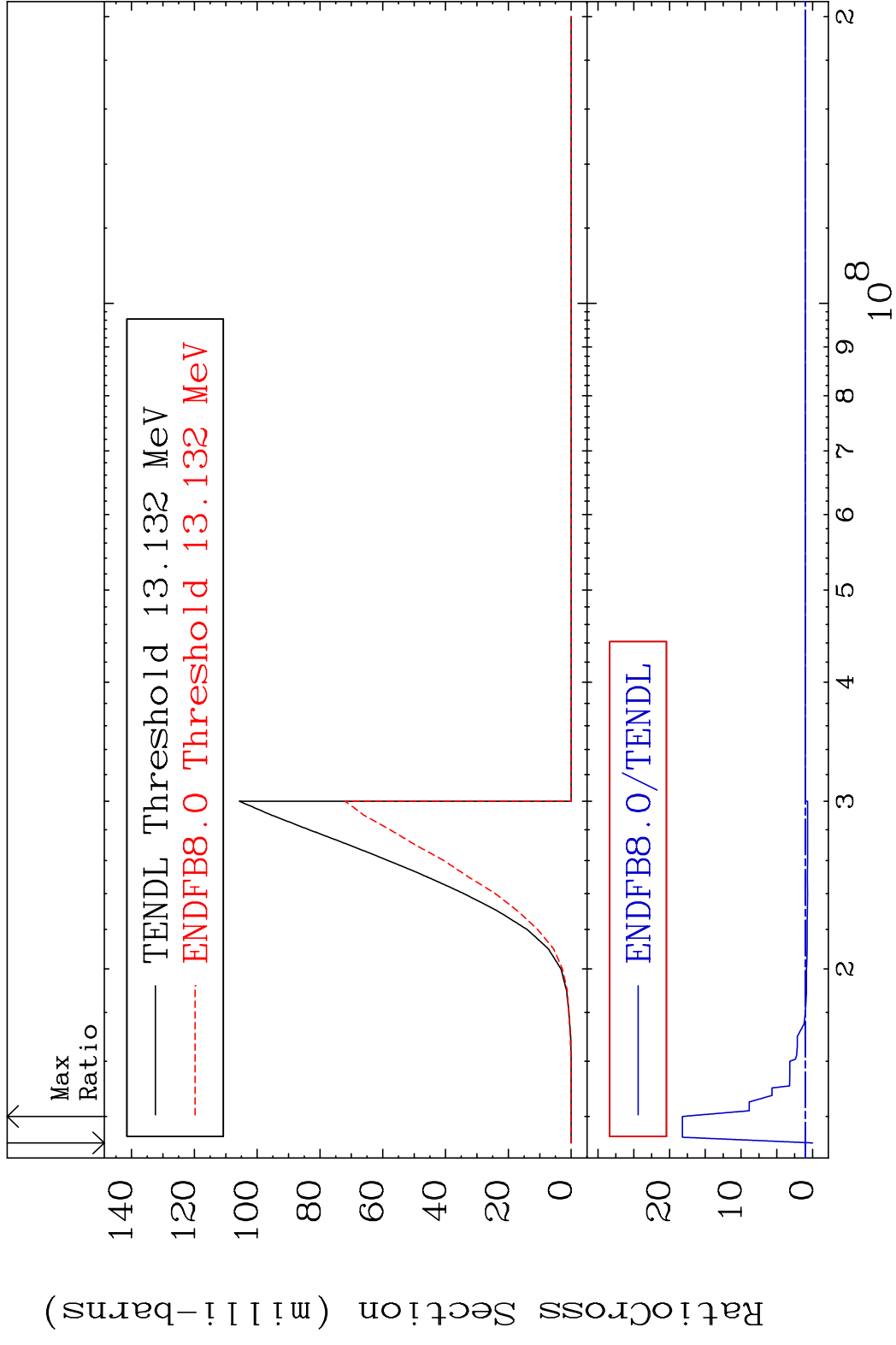
MAT 4322 (n,n') He-3 43-Tc-98
 Cross Section -100.0 To 489.5 %



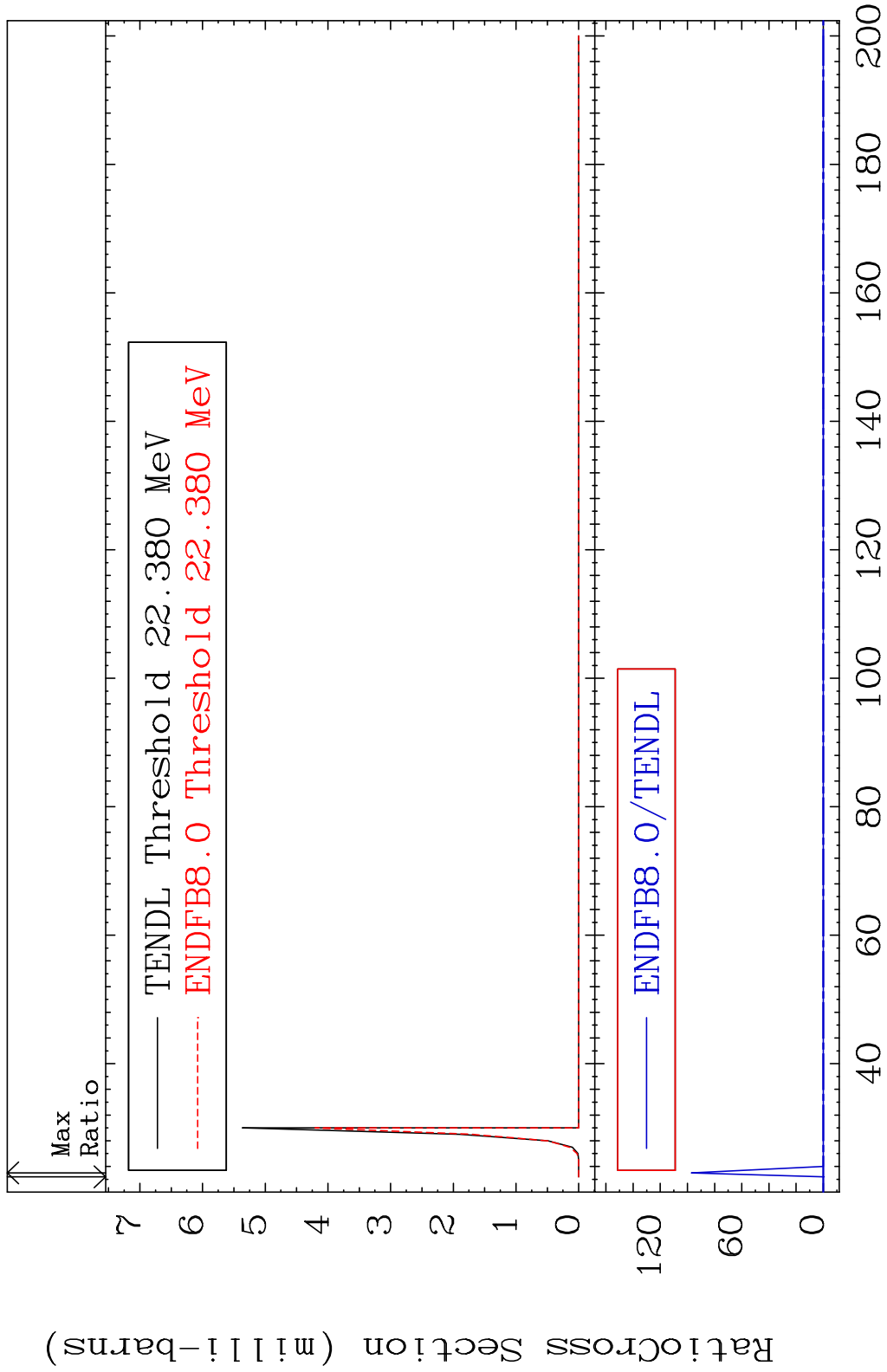
MAT 4322 (n,4n) 43-Tc-98
 Cross Section -100.0 To 9999. %



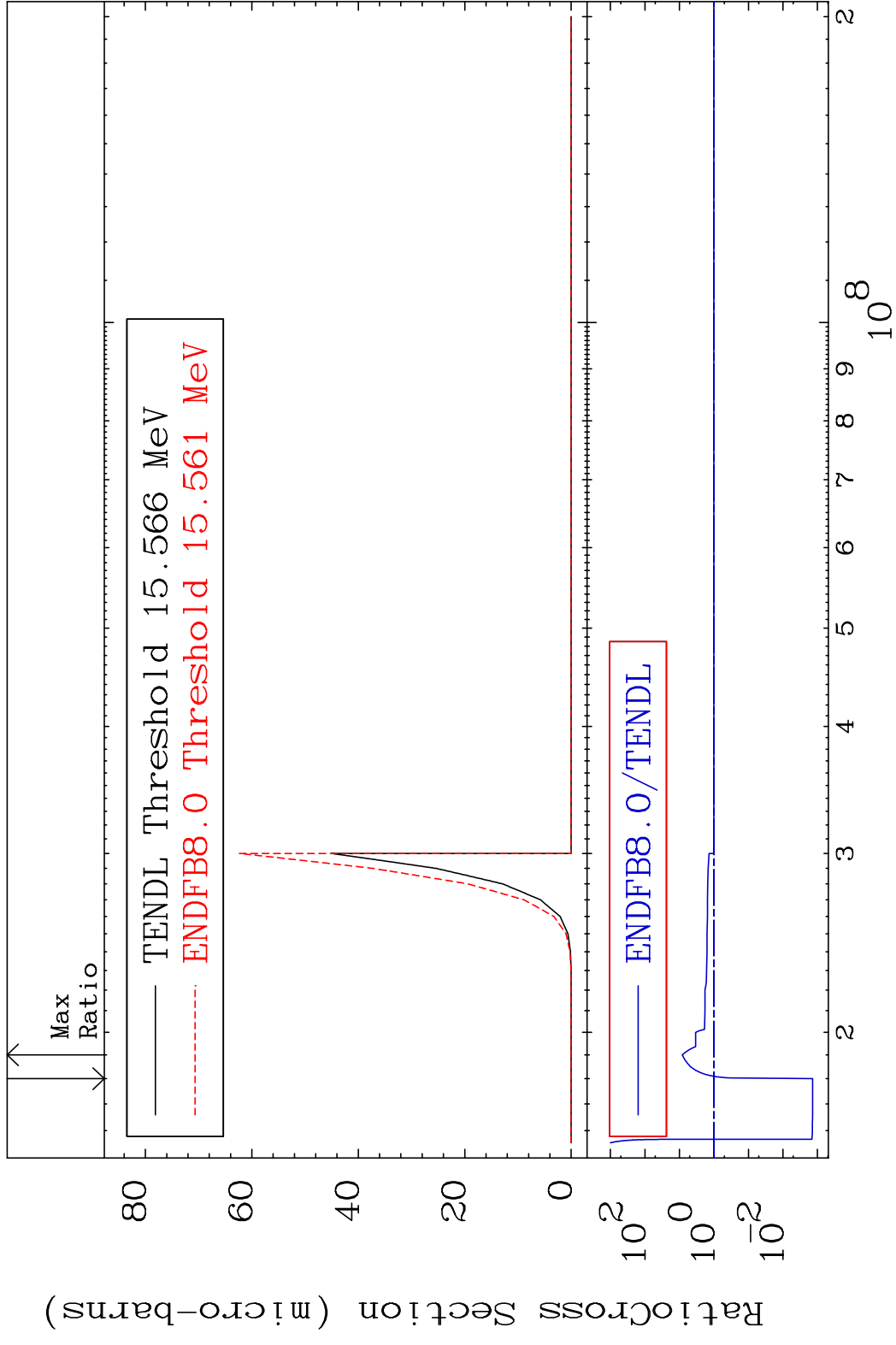
MAT 4322 (n,2n) p 43-Tc-98
 Cross Section -100.0 To 1721. %



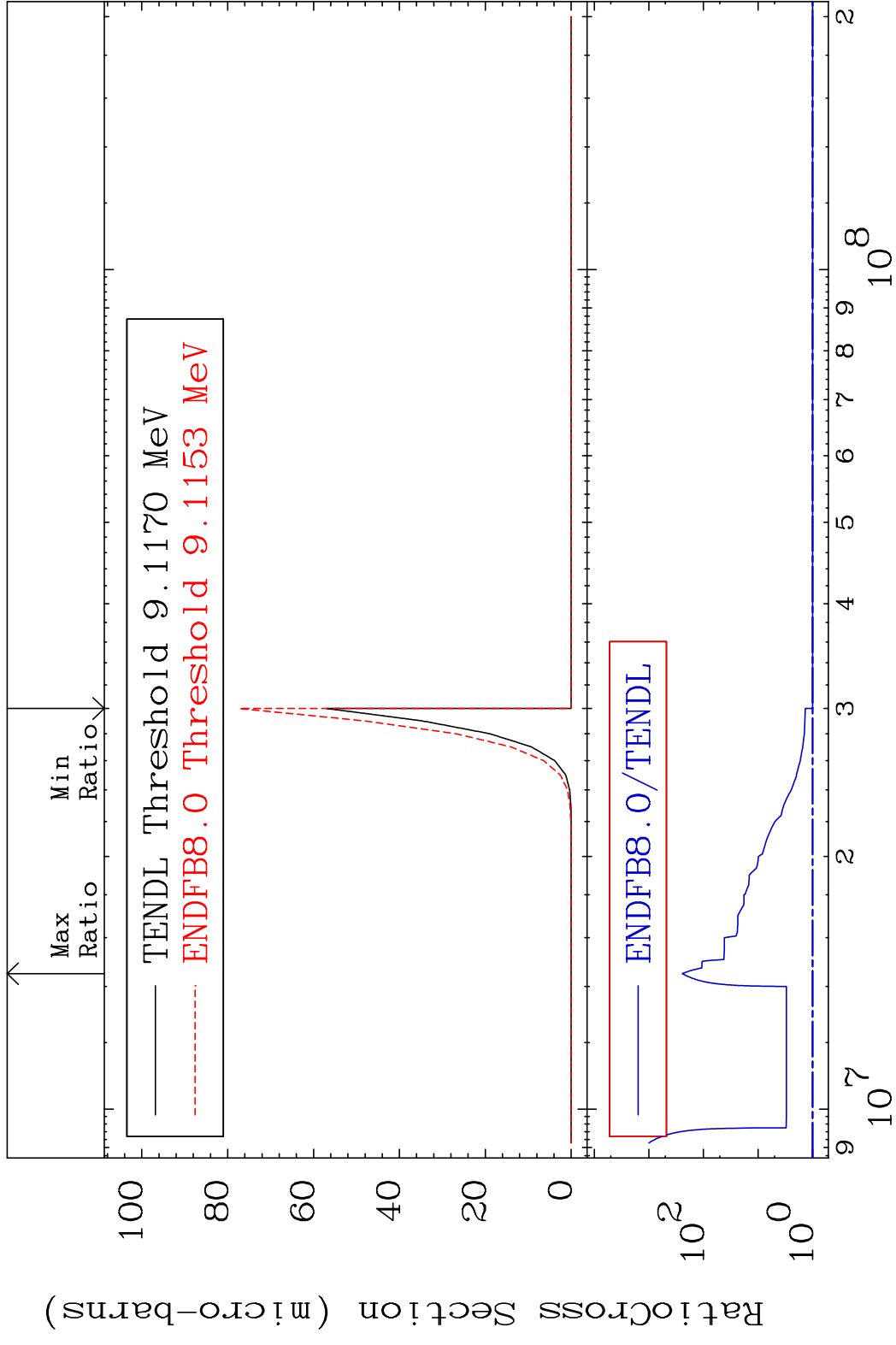
MAT 4322 (n,3n) p 43-Tc-98
 Cross Section -100.0 To 9999. %



MAT 4322 (n,2n) p 43-Tc-98
 Cross Section -99.86 To 721.4 %

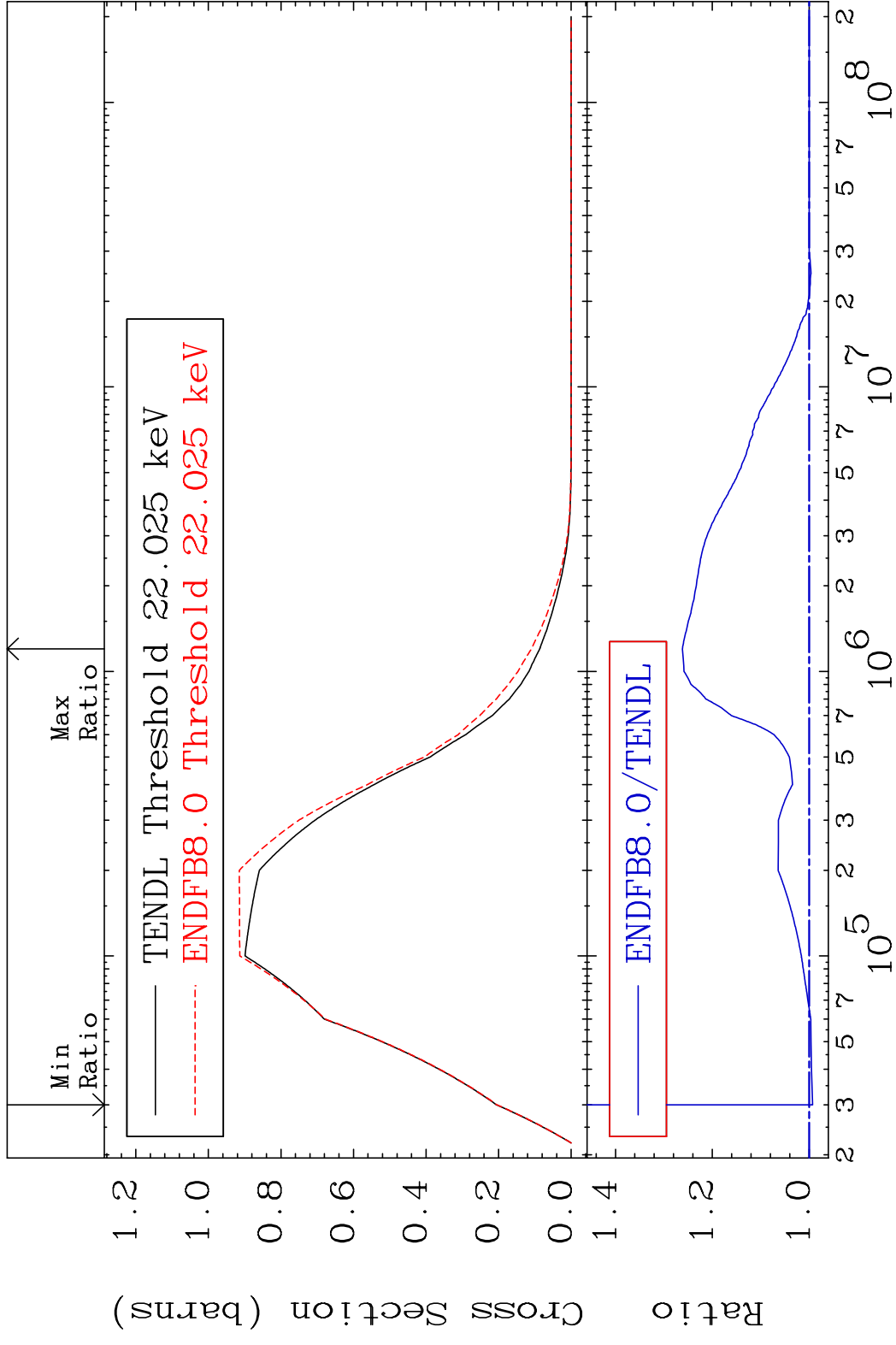


MAT 4322 (n,n') p α 43-Tc-98
 Cross Section 0.000 To 9999. %

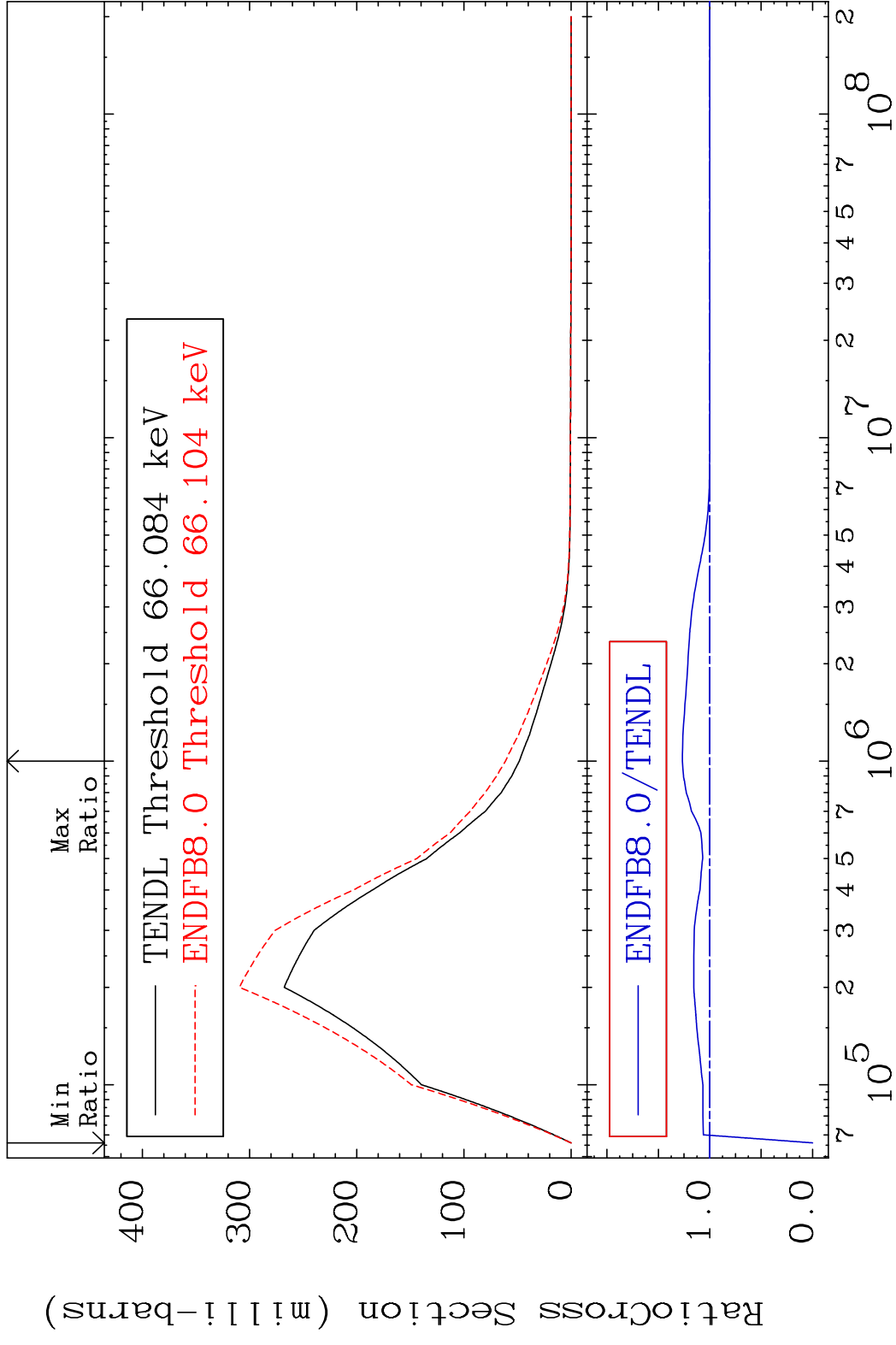


RatioCross Section (micro-barns) Incident Energy (eV) 43-Tc-98

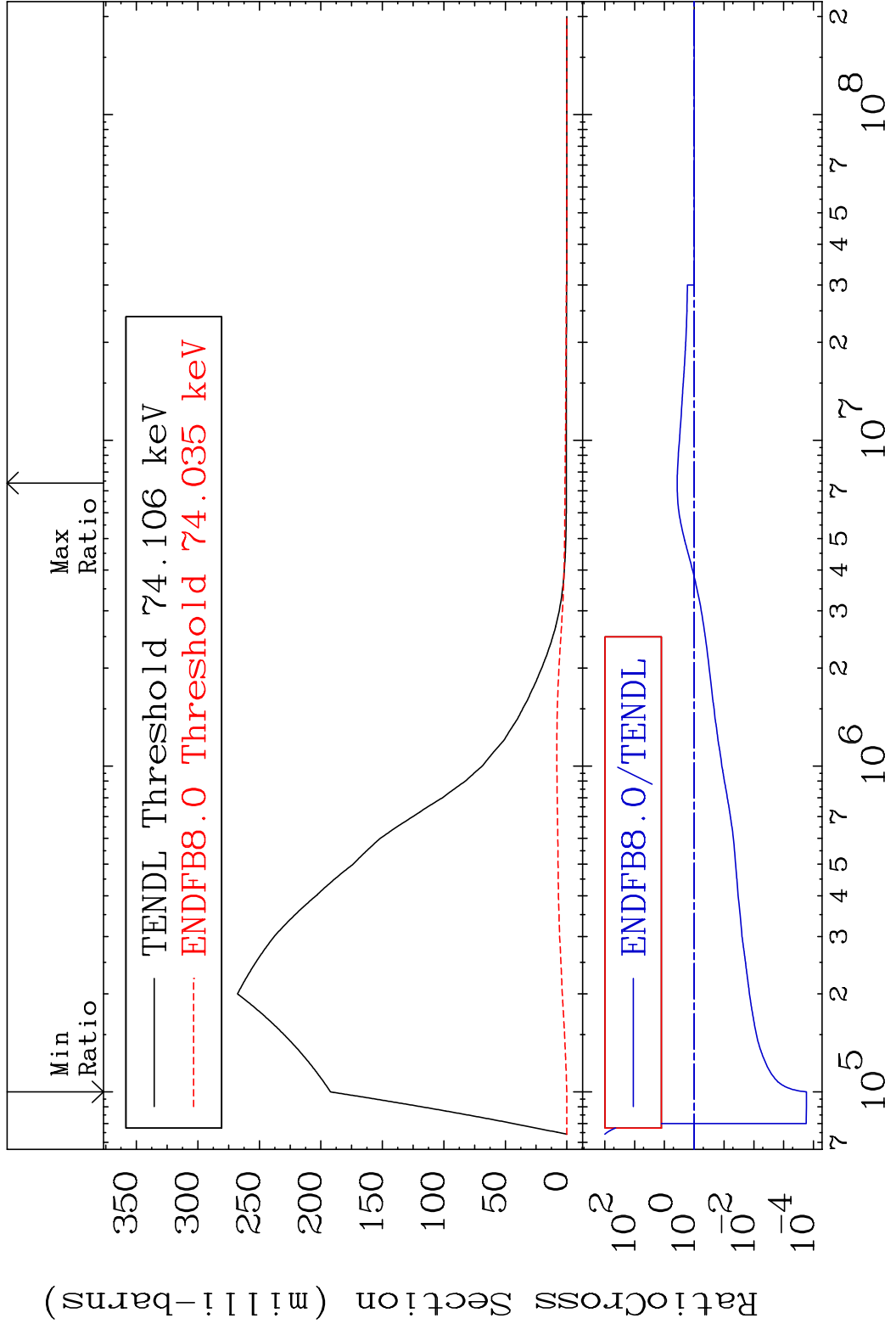
MAT 4322 MT= 51 (n, n') Level 43-Tc-98
 Cross Section -0.698 To 26.19 %



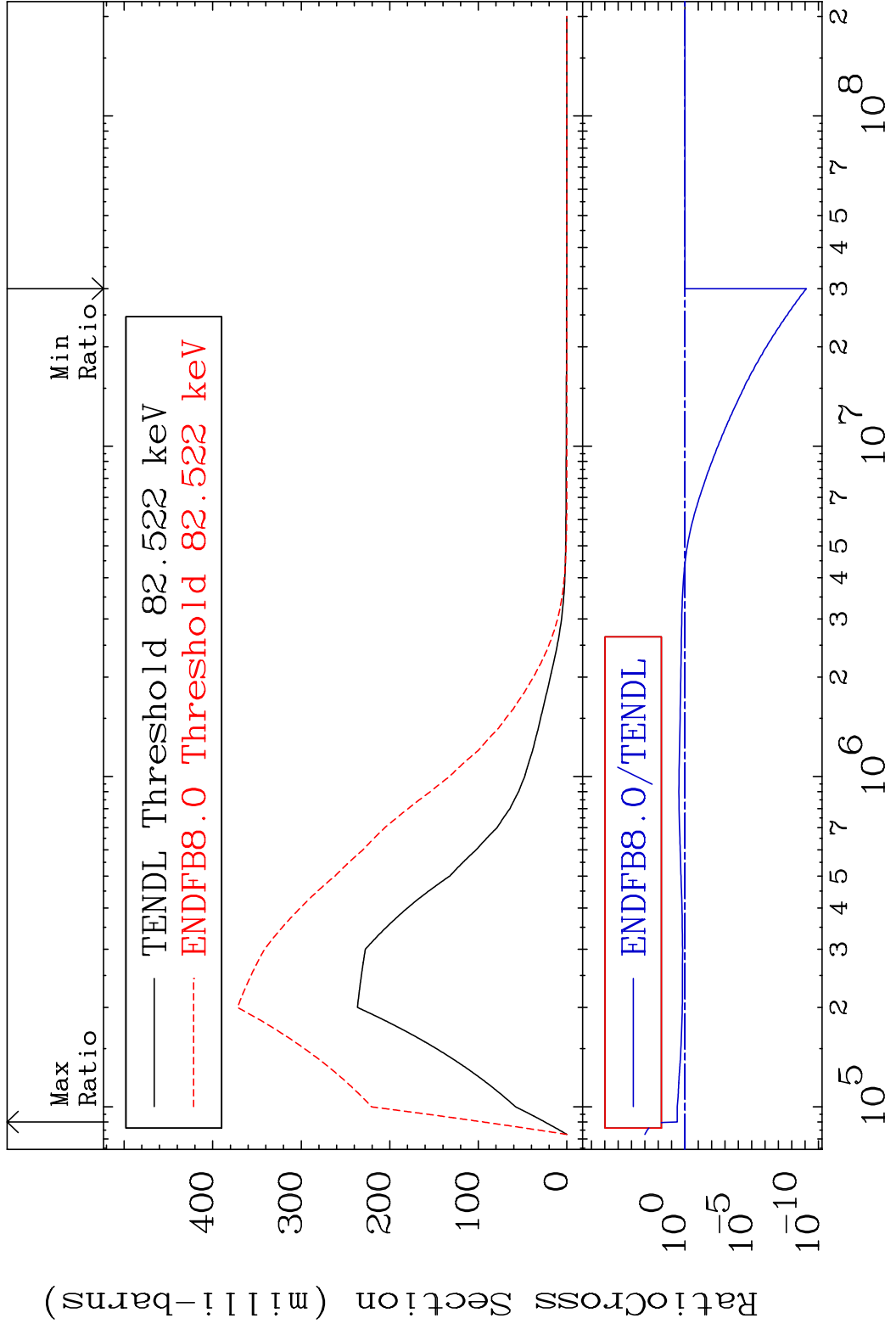
MAT 4322 MT= 52 (n,n') Level 43-Tc-98
 Cross Section -100.0 To 26.64 %



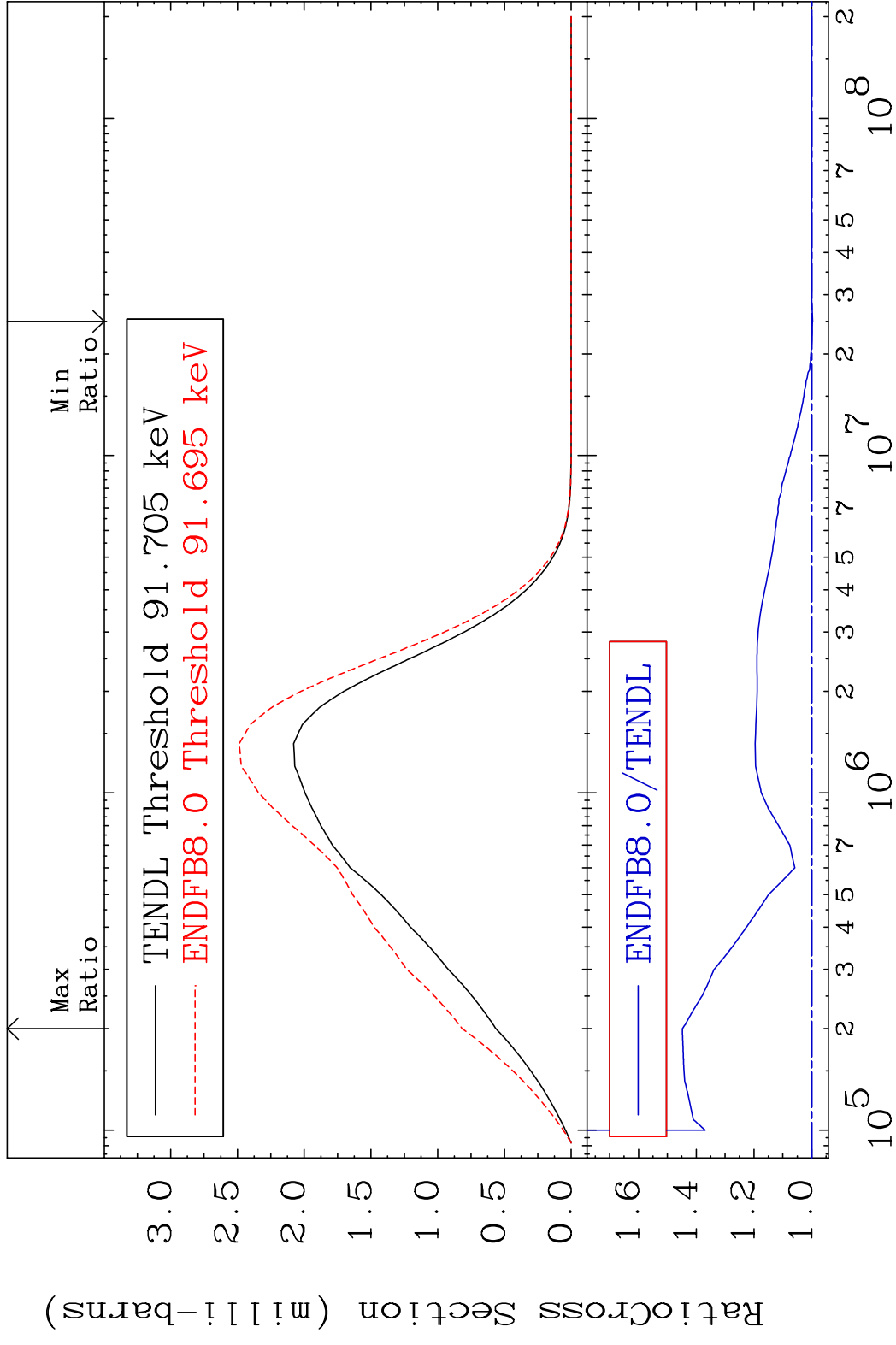
MAT 4322 MT= 53 (n, n') Level 43-Tc-98
 Cross Section -99.98 To 272.4 %



MAT 4322 MT= 54 (n,n') Level 43-Tc-98
 Cross Section -100.0 To 280.7 %

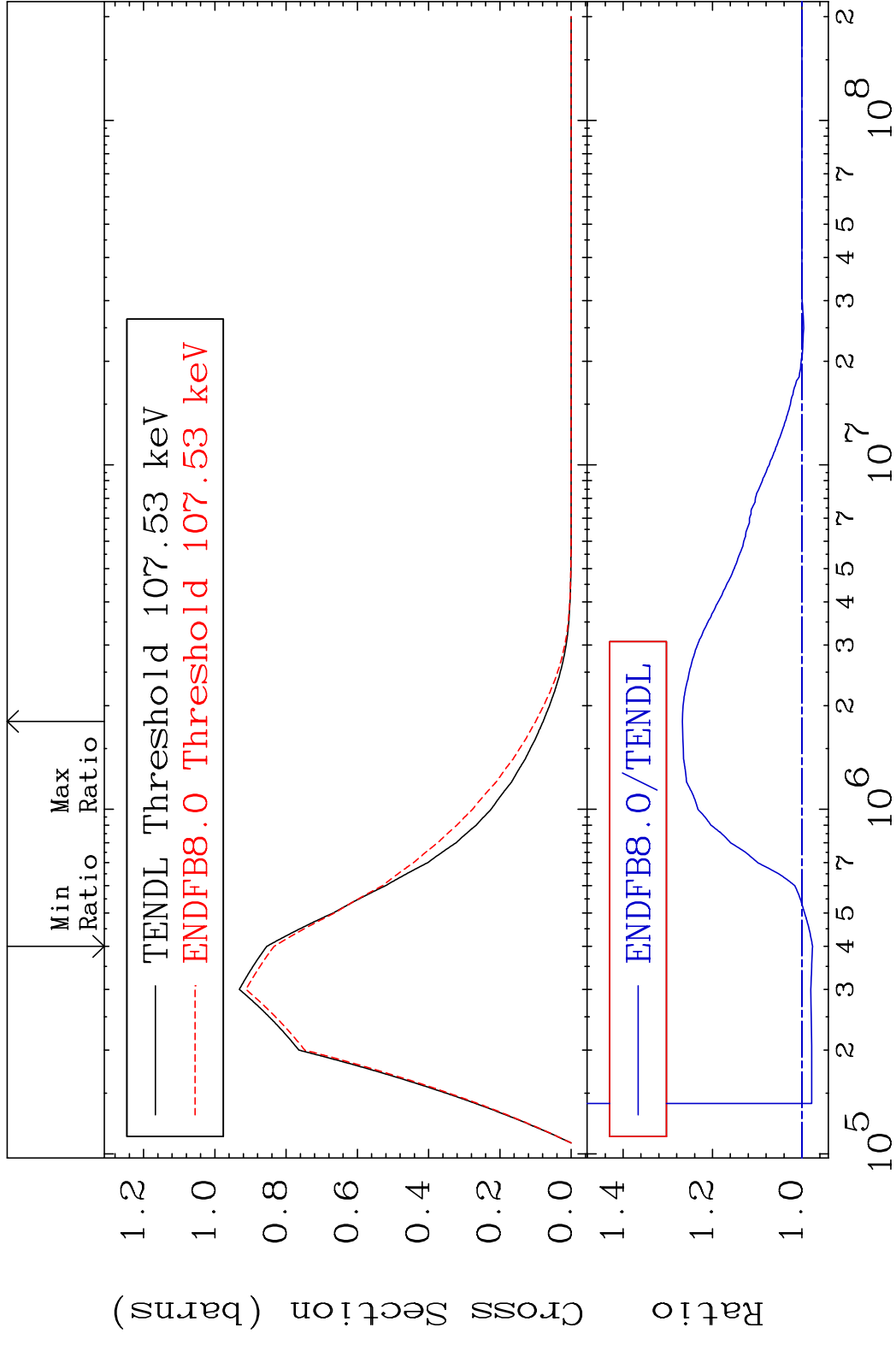


MAT 4322 MT= 55 (n,n') Level 43-Tc-98
 Cross Section -0.316 To 44.81 %



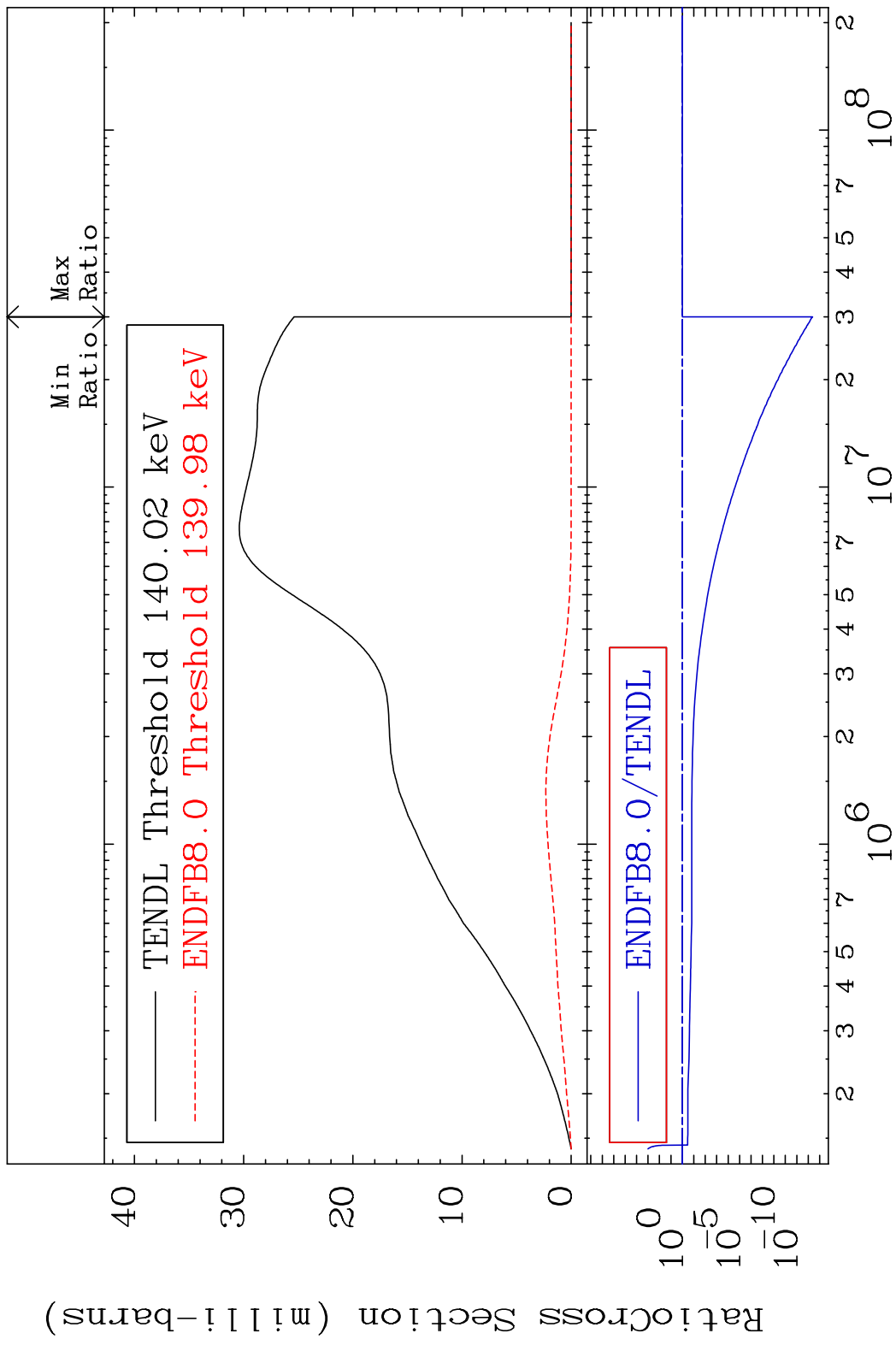
25 43-Tc-98

MAT 4322 MT= 56 (n,n') Level 43-Tc-98
 Cross Section -2.381 To 26.74 %

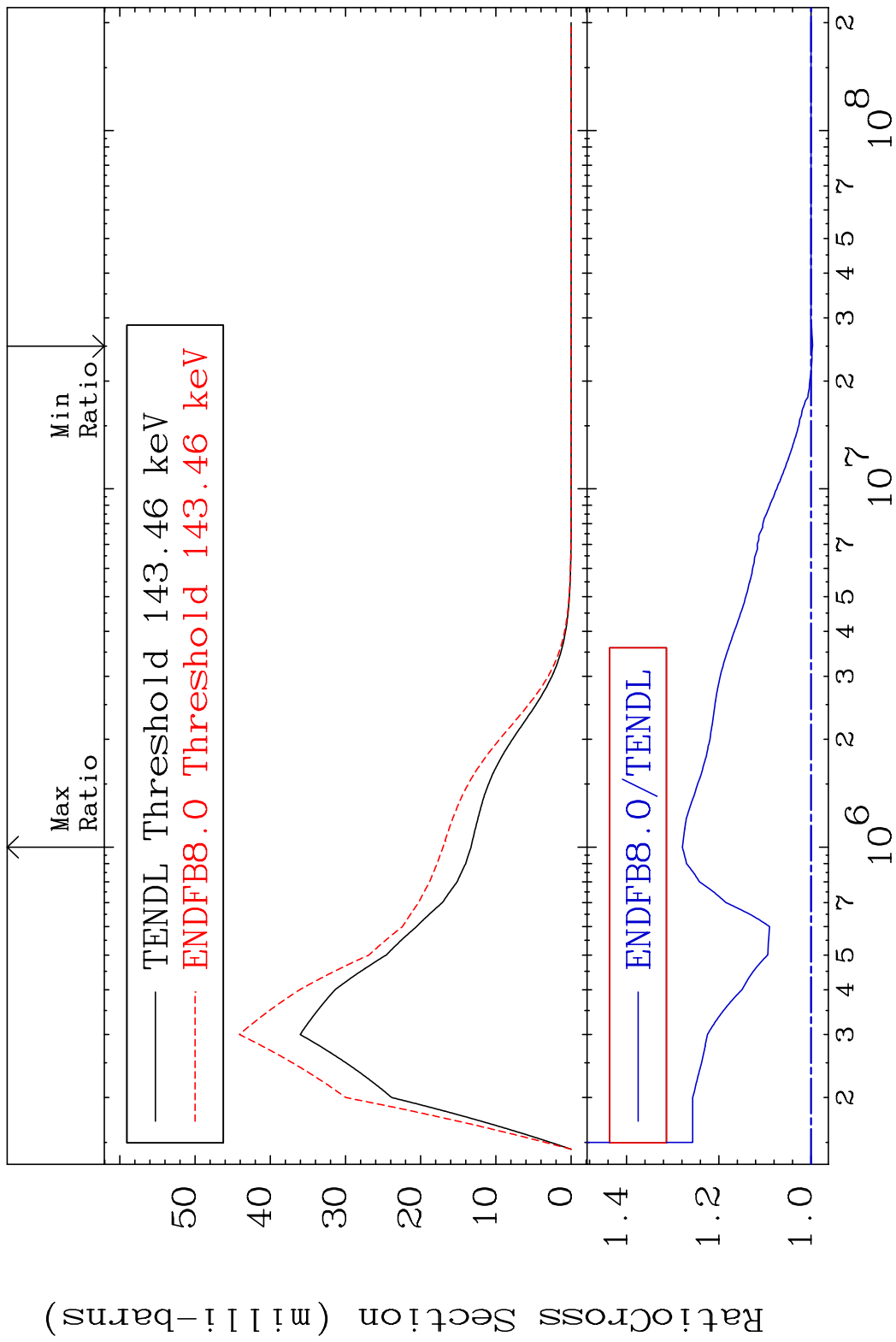


26 Incident Energy (eV) 43-Tc-98

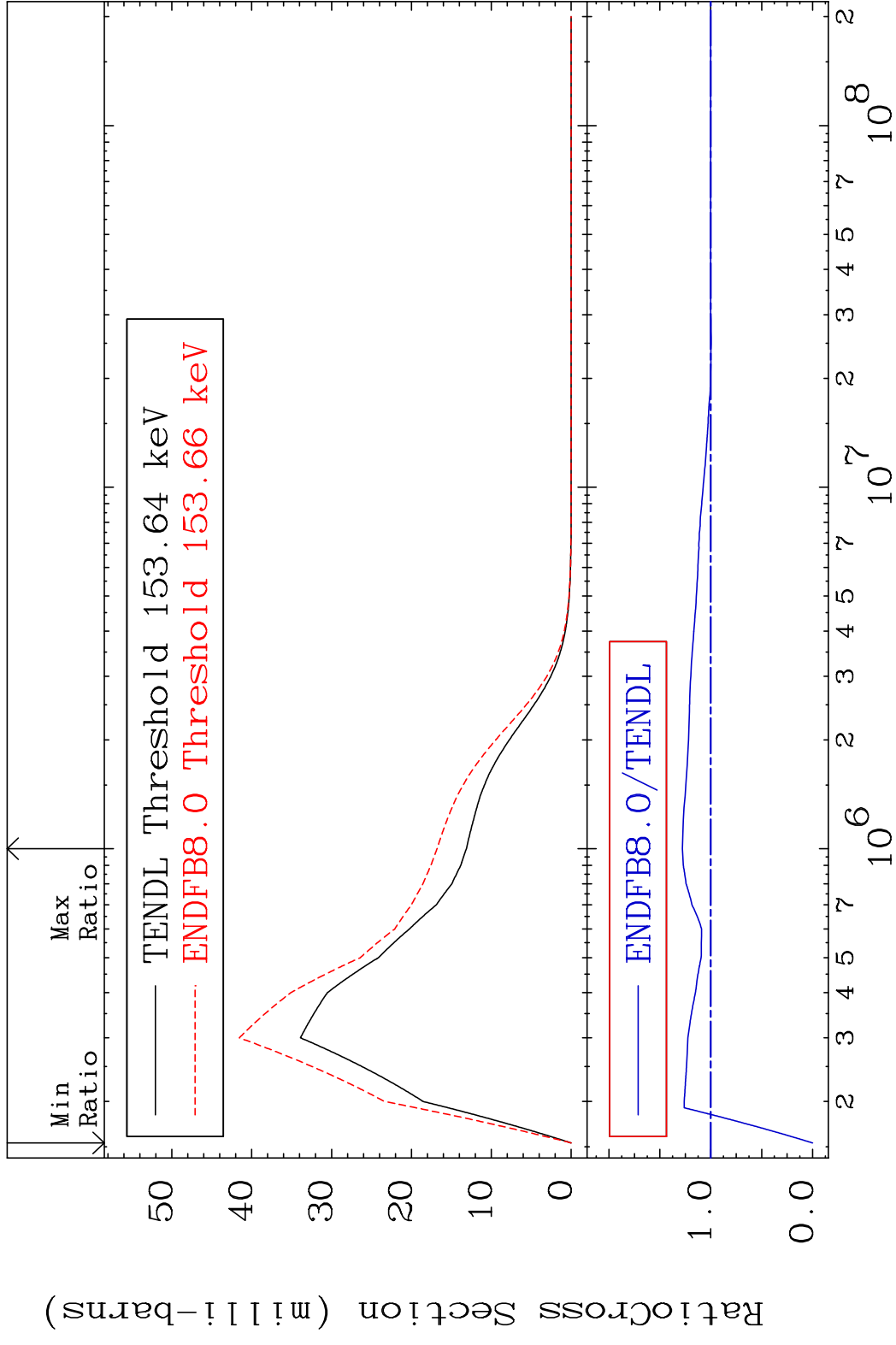
MAT 4322 MT= 57 (n, n') Level 43-Tc-98
 Cross Section -100.0 To 0.000 %



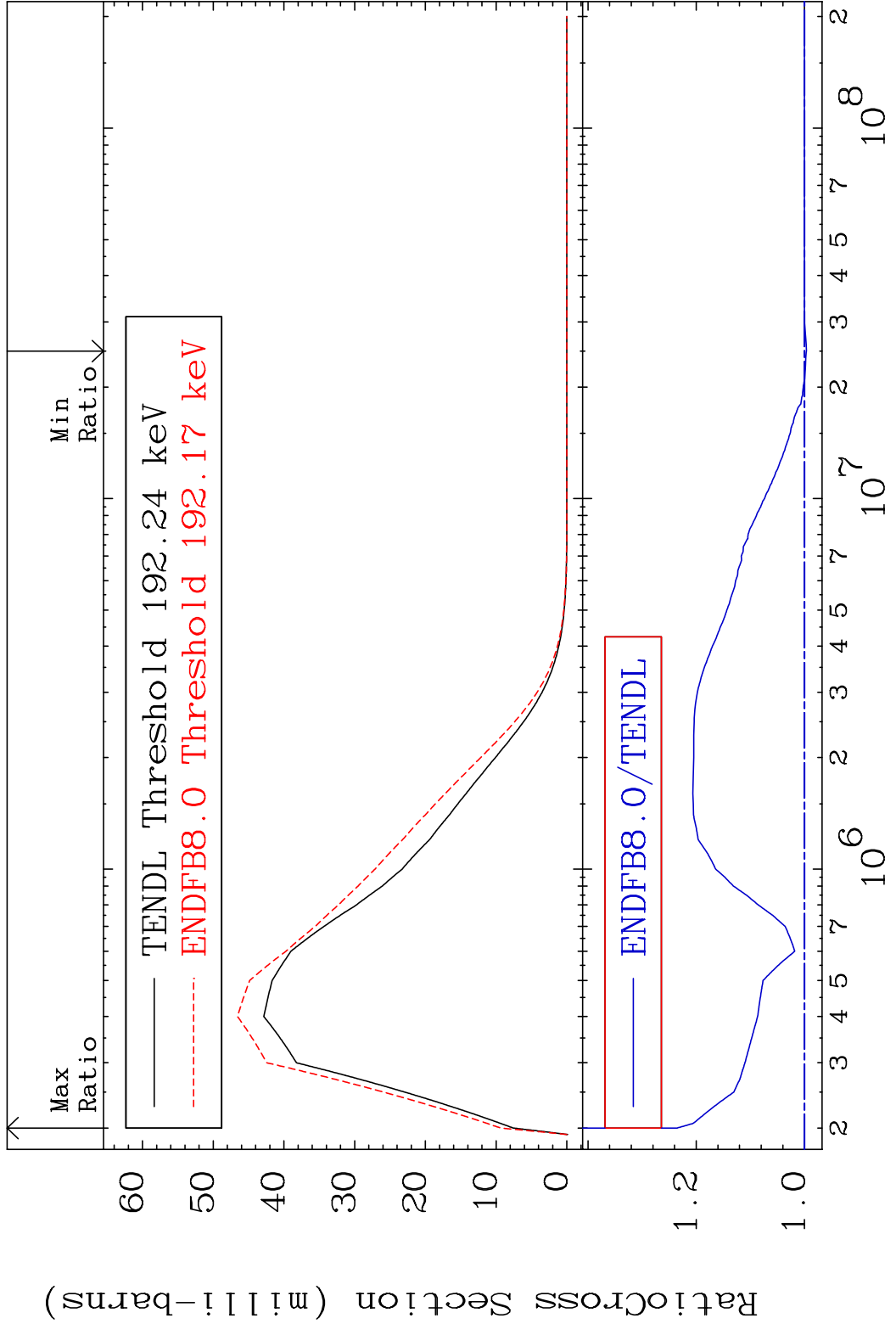
MAT 4322 MT= 58 (n,n') Level 43-Tc-98
 Cross Section -0.331 To 27.90 %



MAT 4322 MT= 59 (n,n') Level 43-Tc-98
 Cross Section -100.0 To 27.92 %

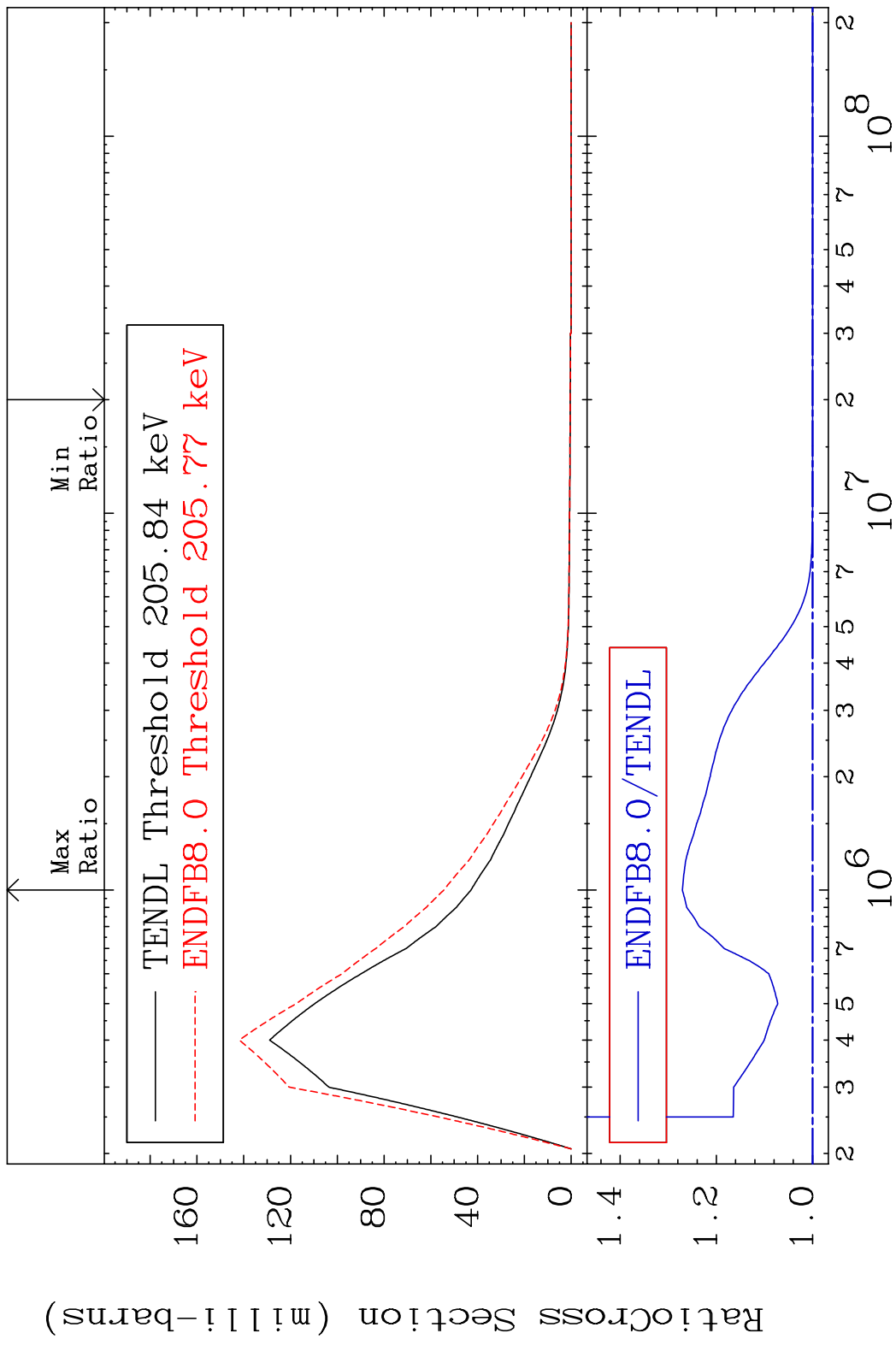


MAT 4322 MT= 60 (n,n') Level 43-Tc-98
 Cross Section -0.350 To 23.52 %

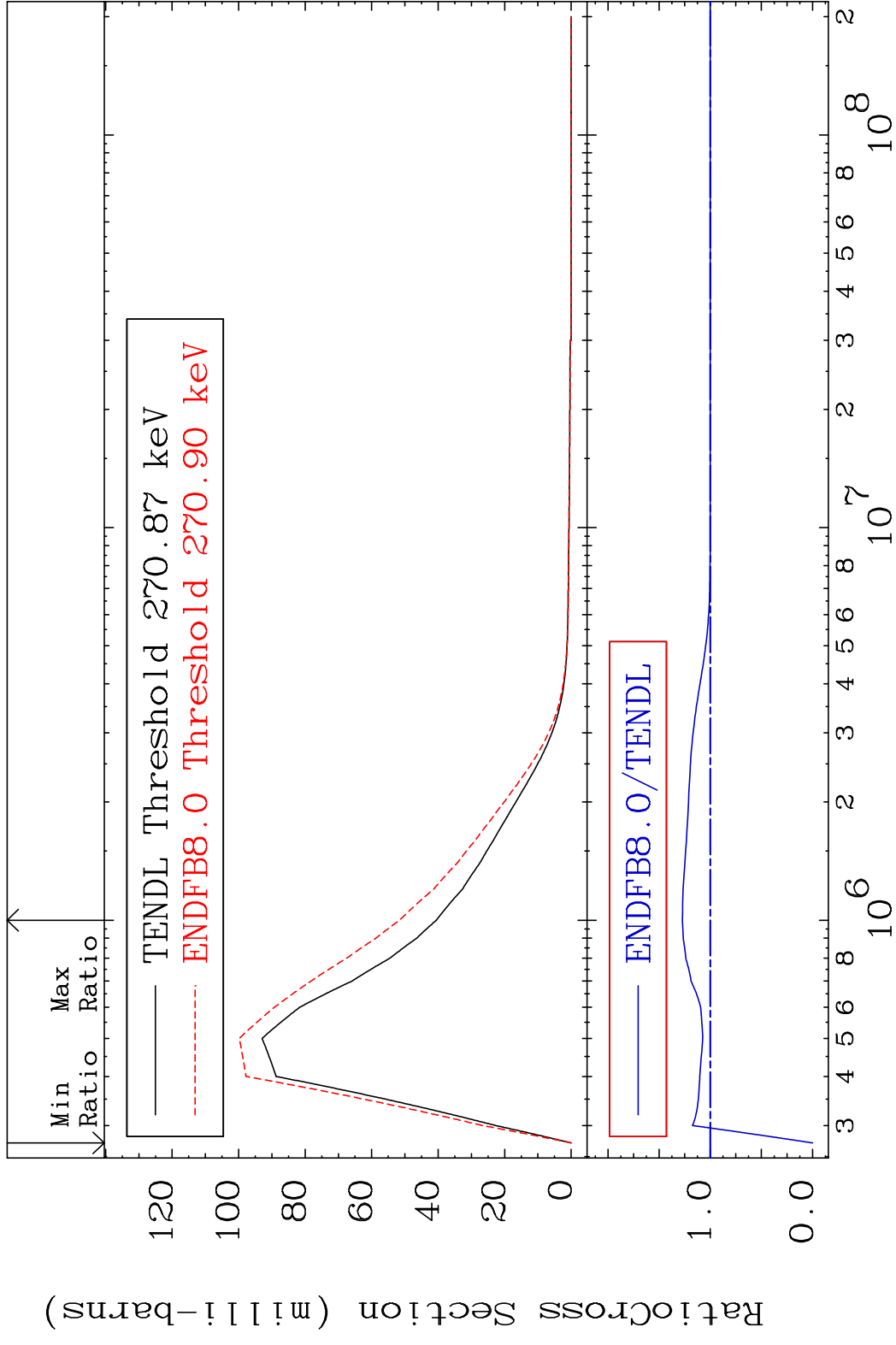


30 Incident Energy (eV) 43-Tc-98

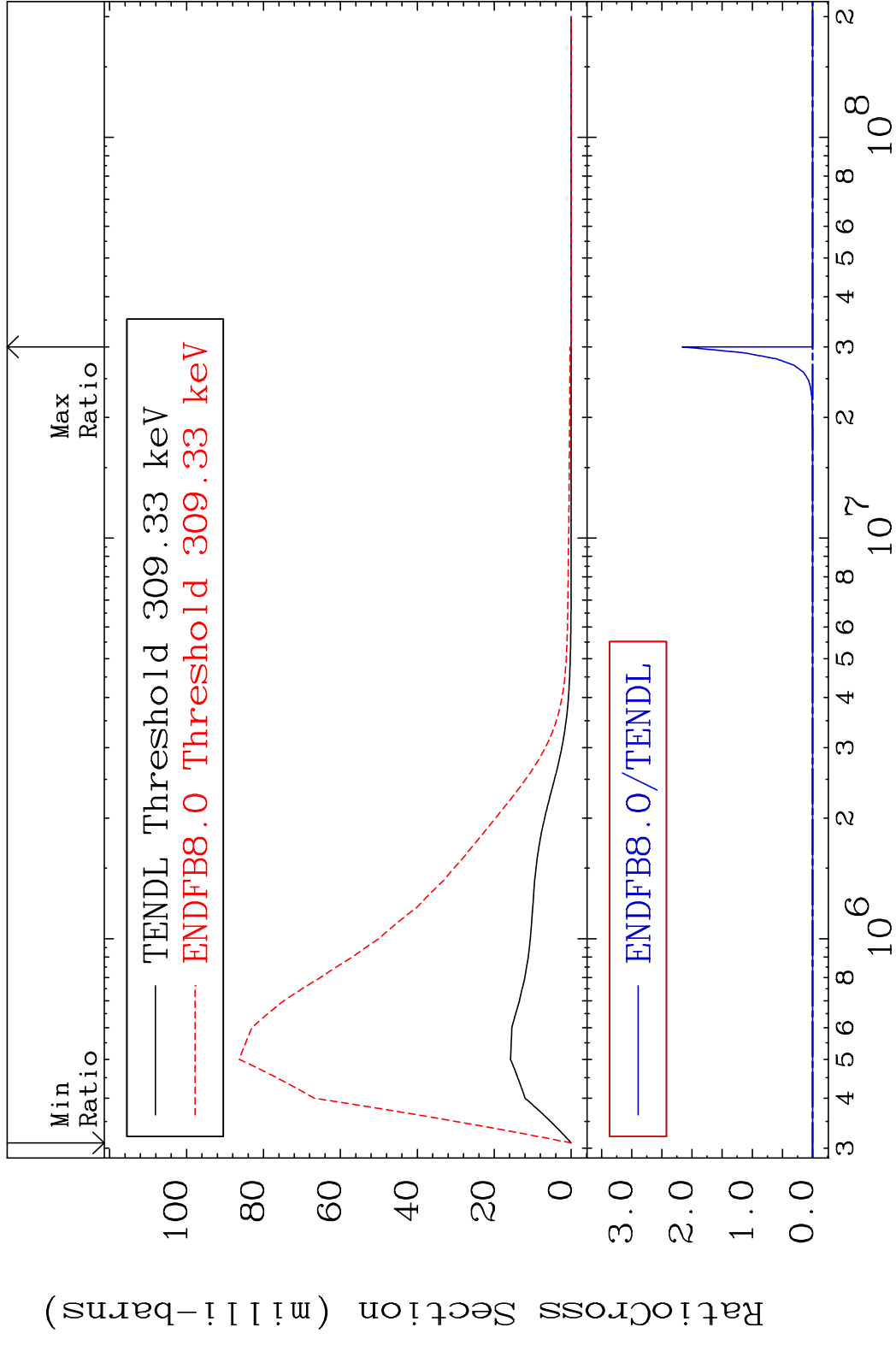
MAT 4322 MT= 61 (n,n') Level 43-Tc-98
 Cross Section 0.000 To 27.07 %



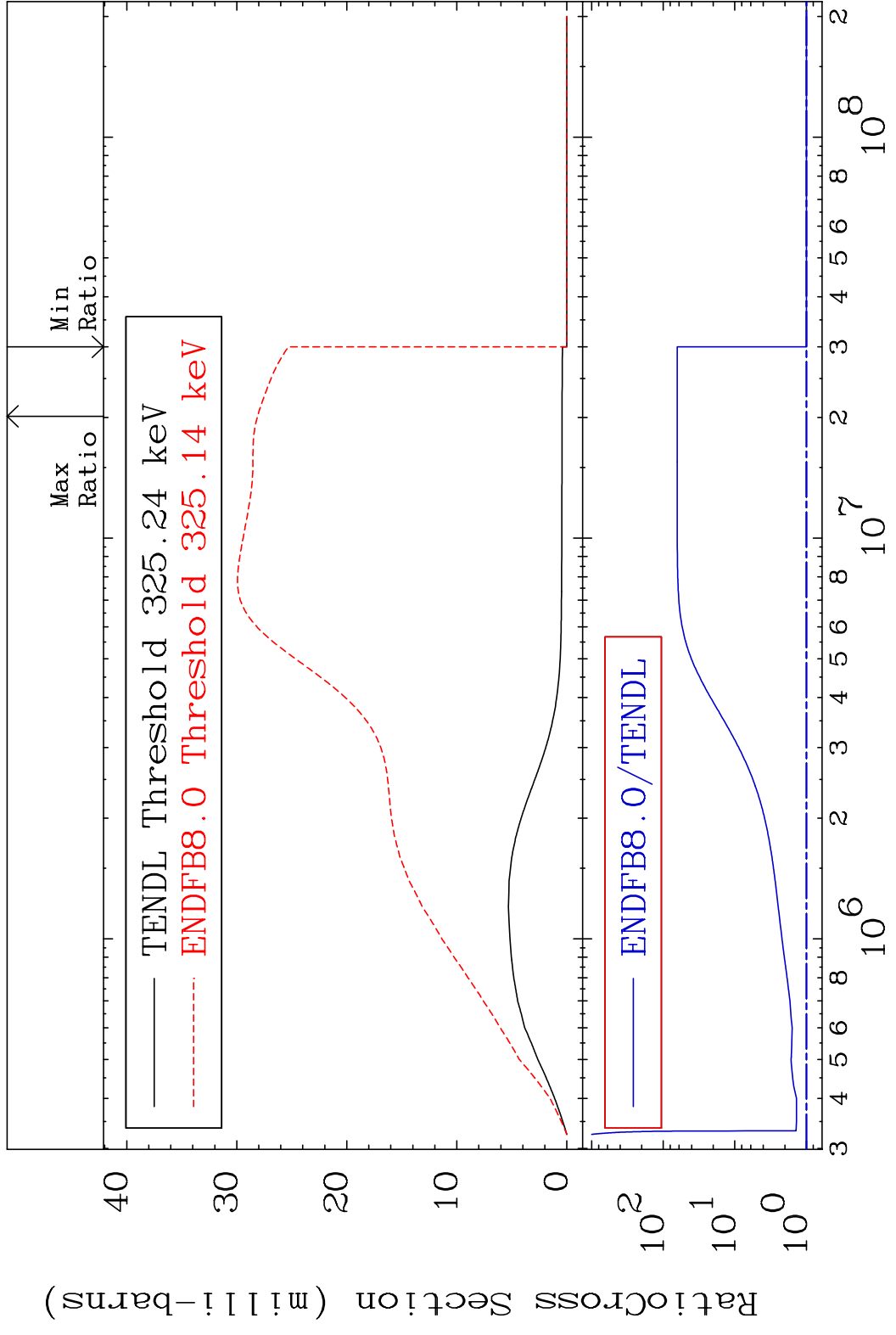
MAT 4322 MT= 62 (n,n') Level 43-Tc-98
 Cross Section -100.0 To 27.27 %



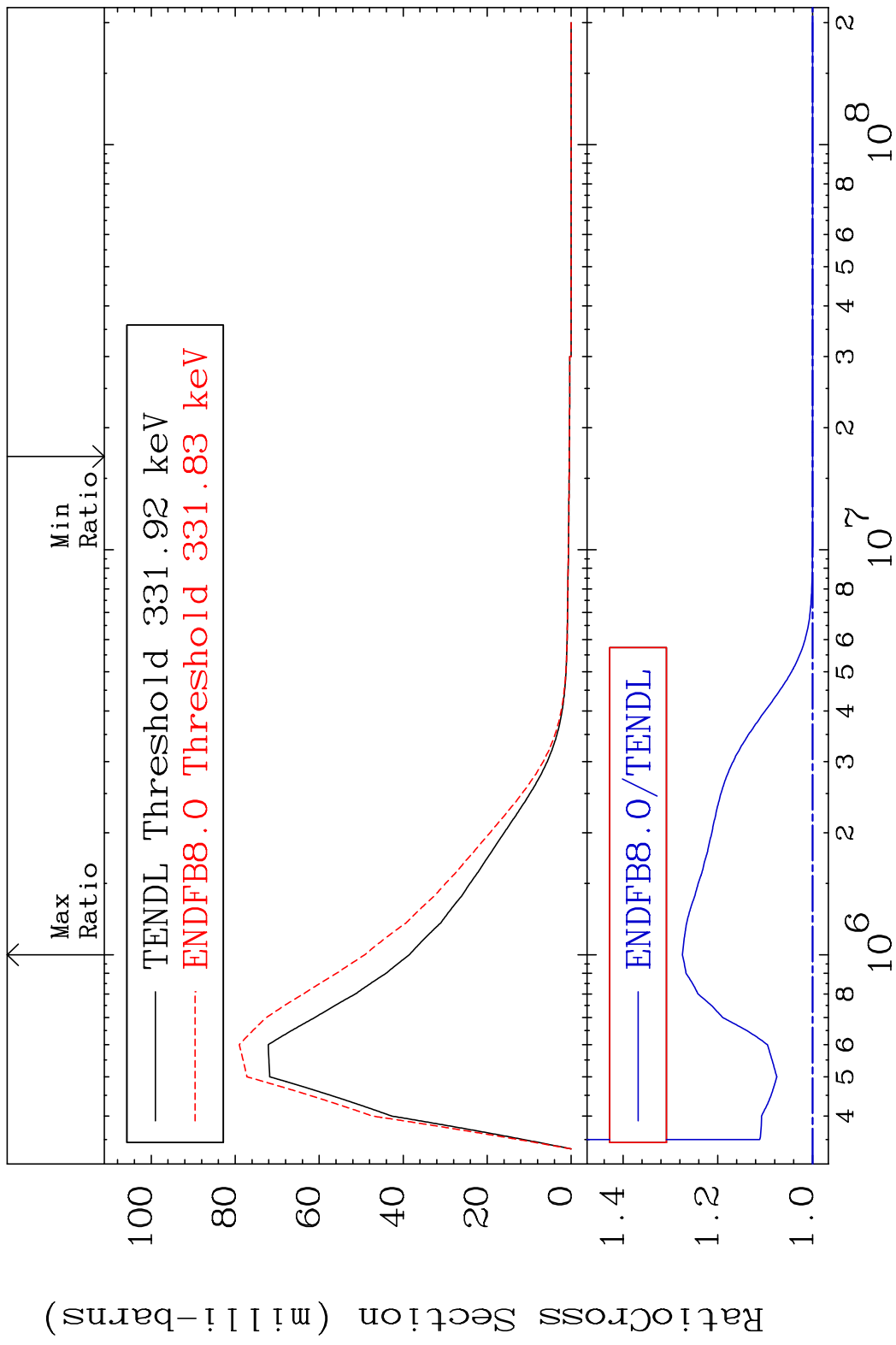
MAT 4322 MT= 63 (n, n') Level 43-Tc-98
 Cross Section -100.0 To 9999. %



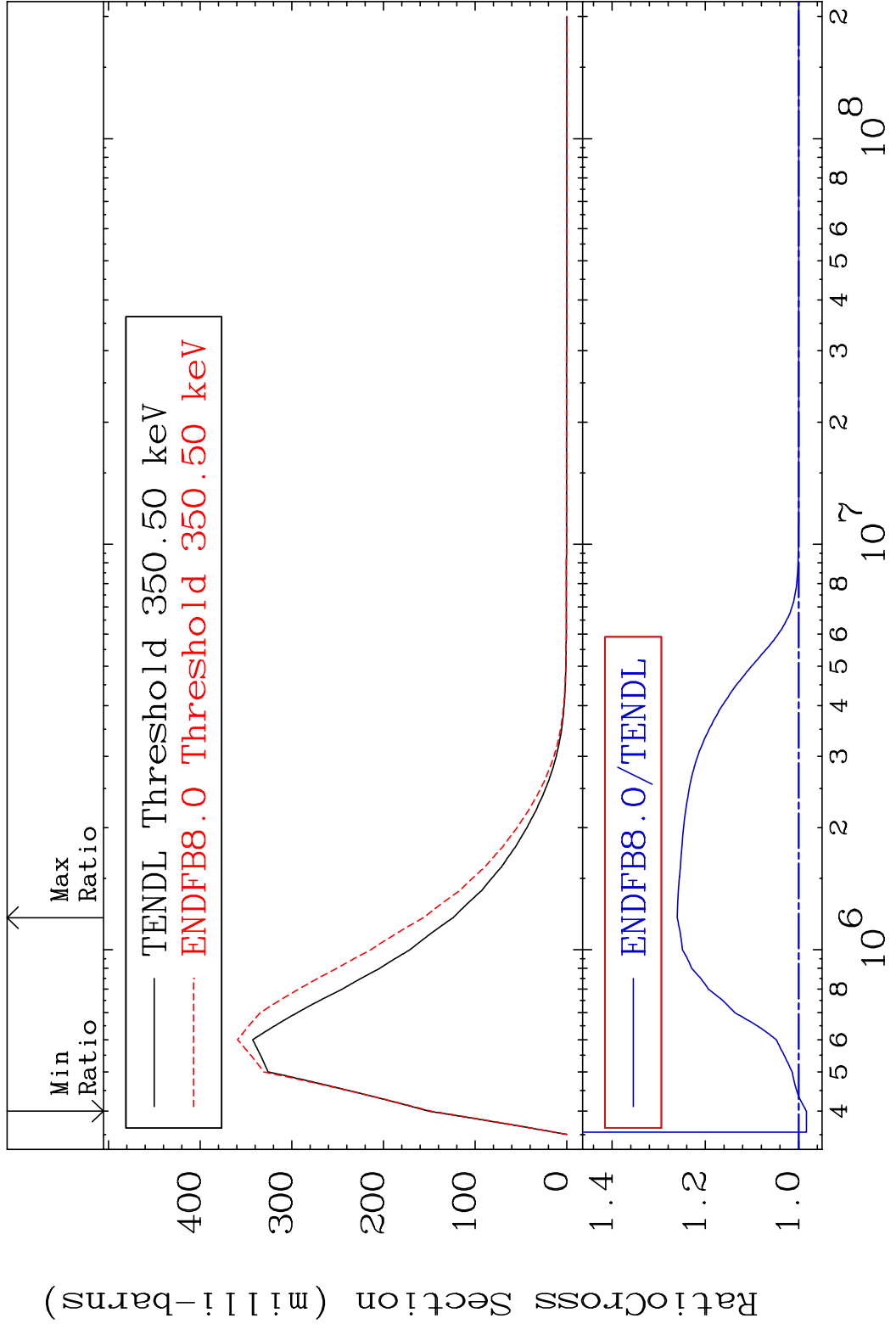
MAT 4322 MT= 64 (n, n') Level 43-Tc-98
 Cross Section 0.000 To 6284. %



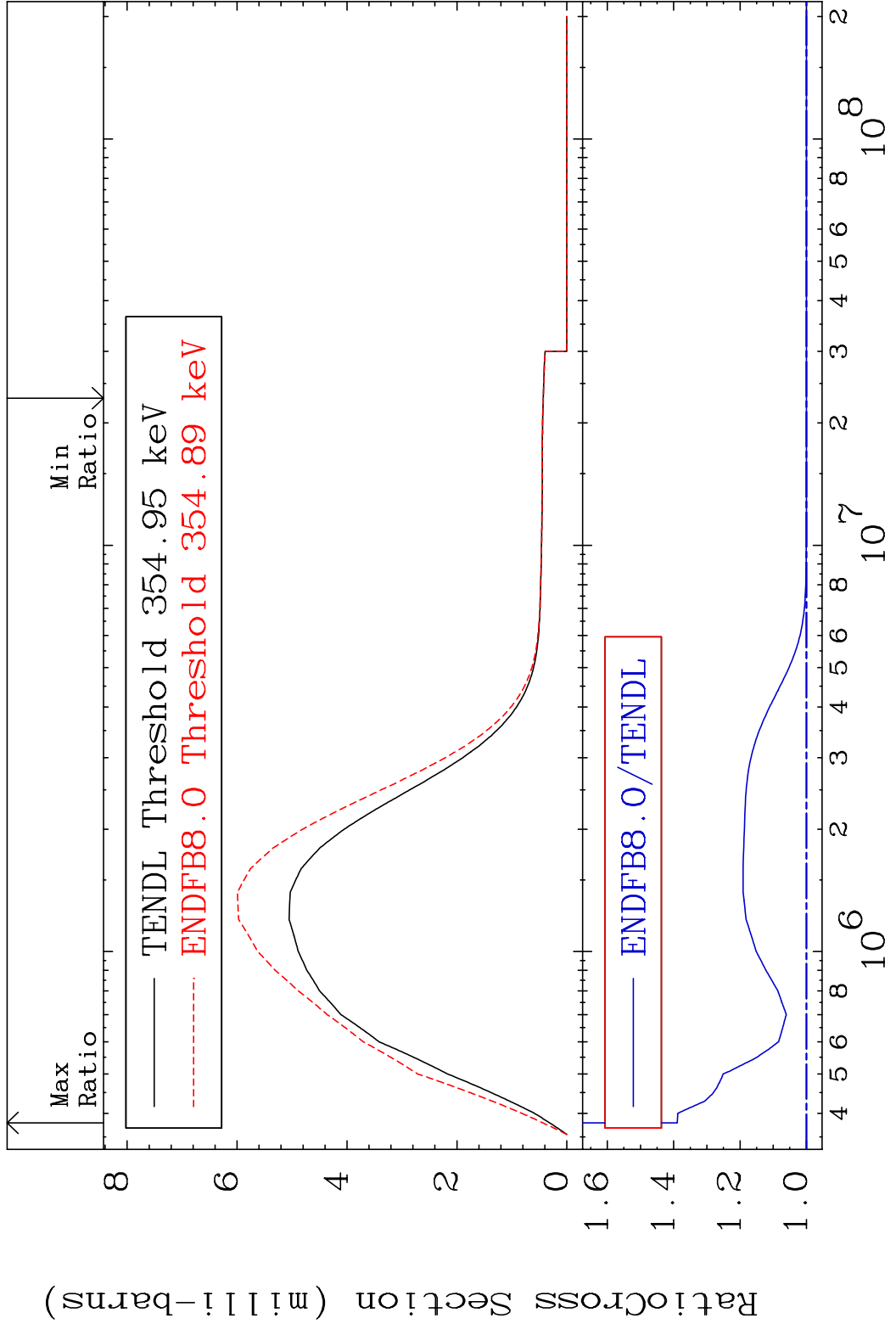
MAT 4322 MT= 65 (n, n') Level 43-Tc-98
 Cross Section 0.000 To 27.48 %



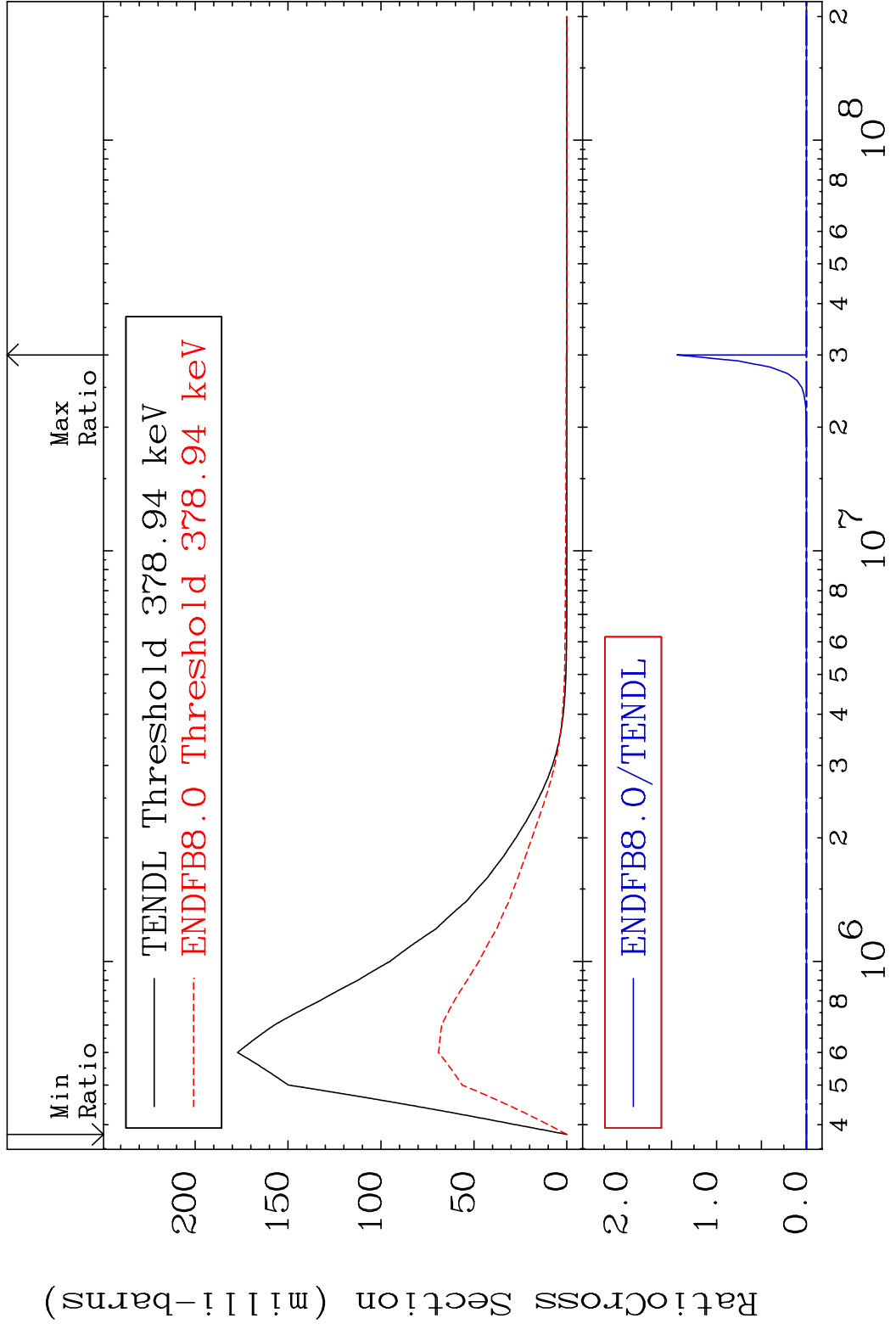
MAT 4322 MT= 66 (n,n') Level 43-Tc-98
 Cross Section -1.652 To 26.04 %



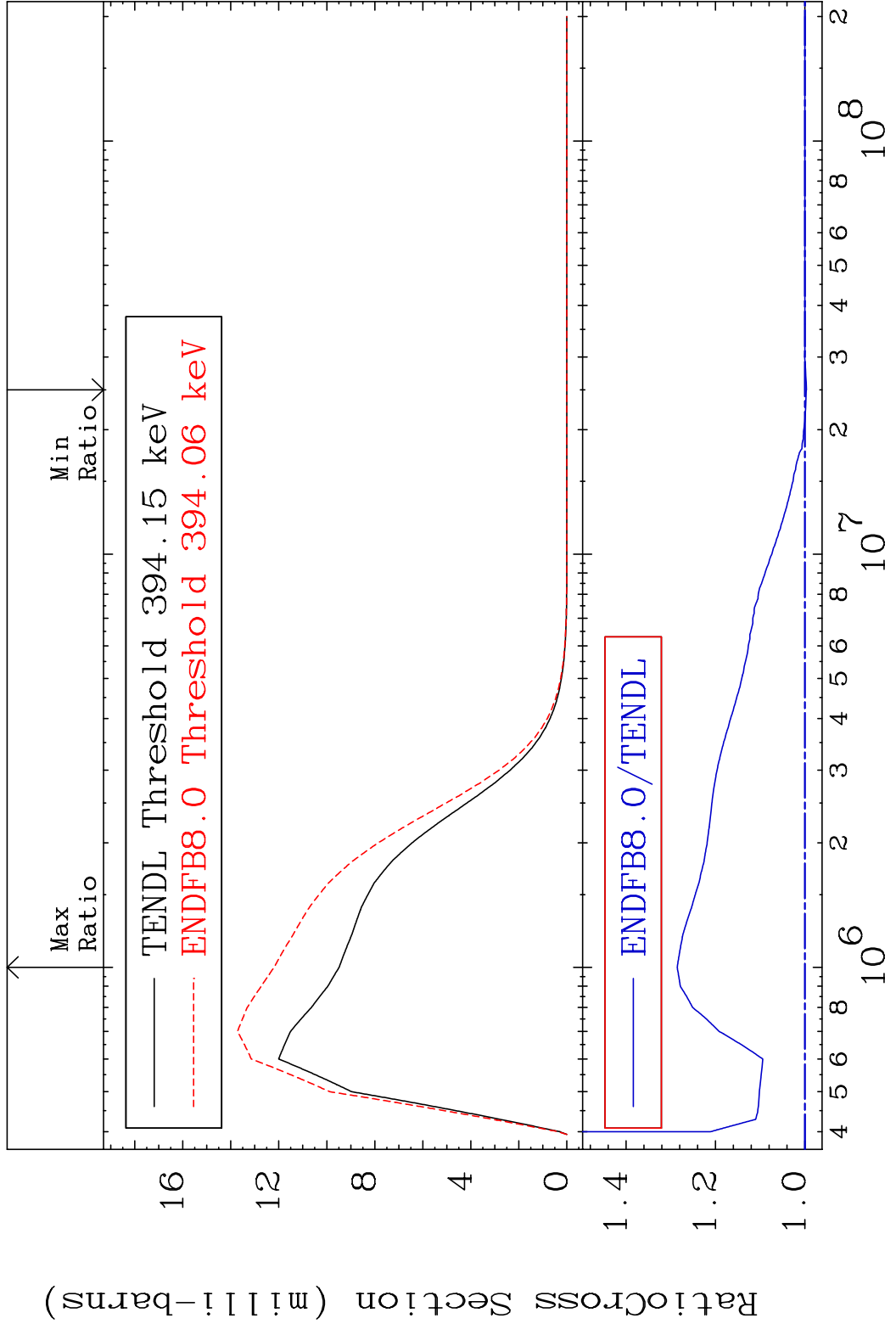
MAT 4322 MT= 67 (n,n') Level 43-Tc-98
 Cross Section 0.000 To 38.93 %



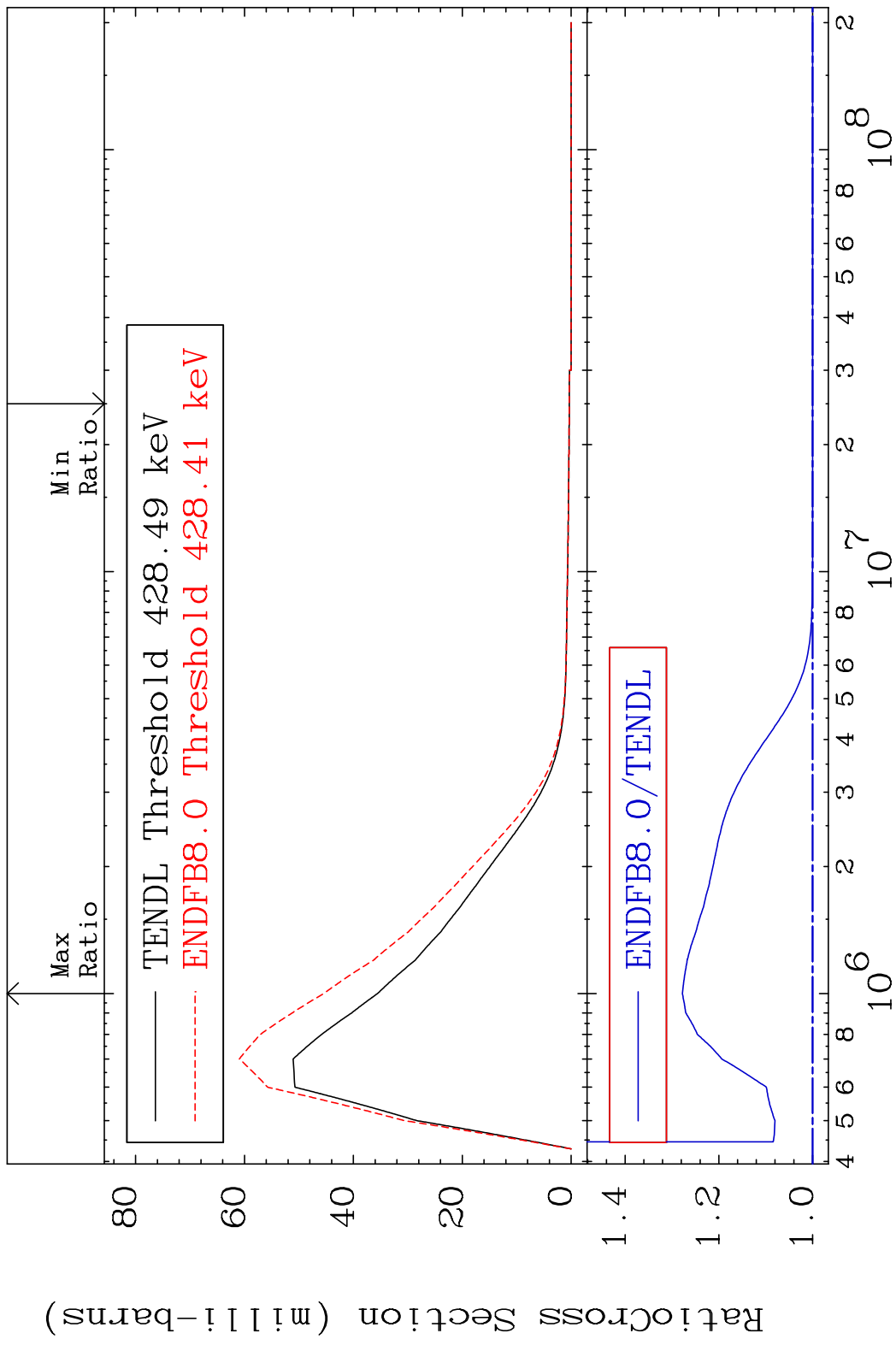
MAT 4322 MT= 68 (n, n') Level 43-Tc-98
 Cross Section -100.0 To 9999. %



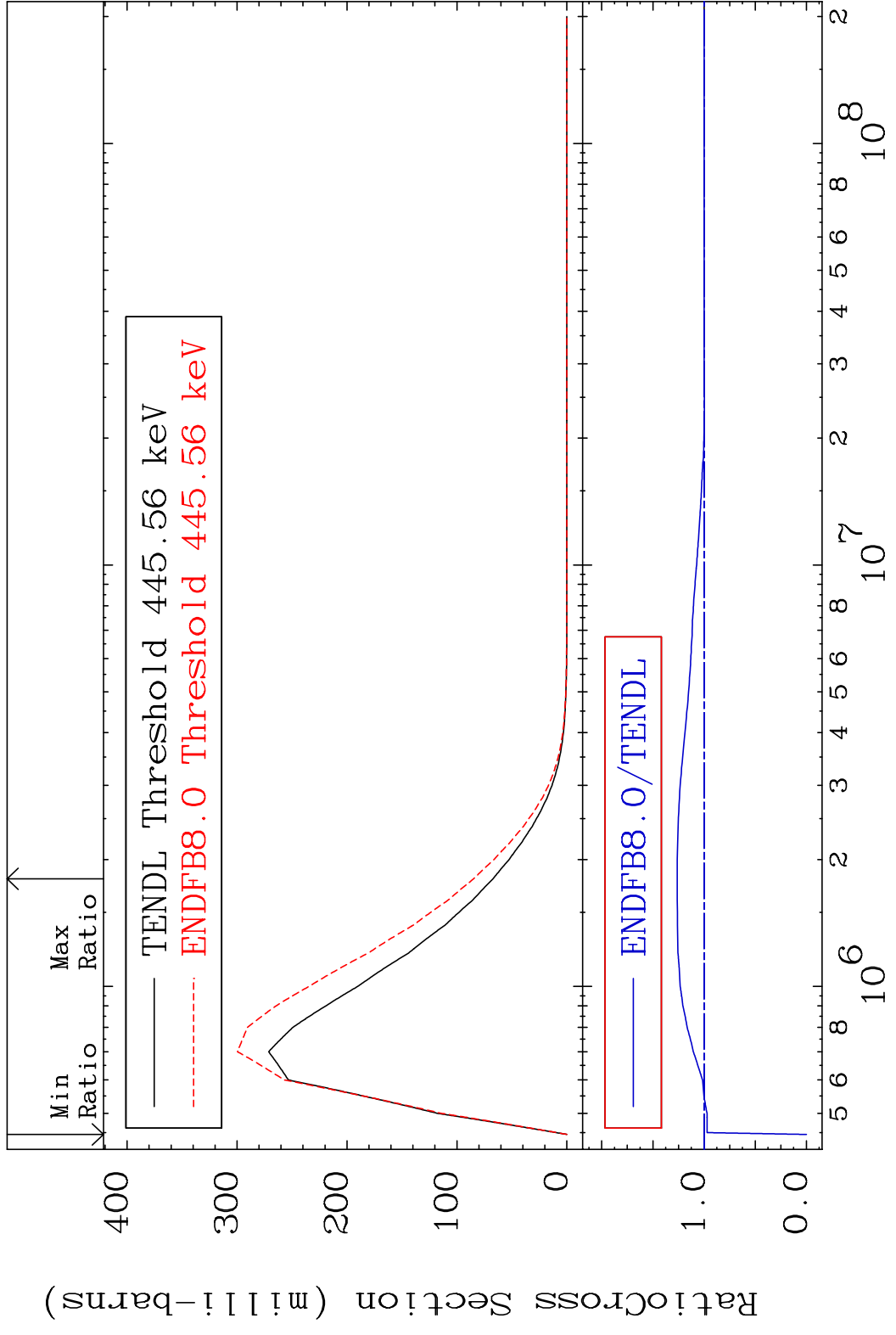
MAT 4322 MT= 69 (n, n') Level 43-Tc-98
 Cross Section -0.330 To 28.57 %



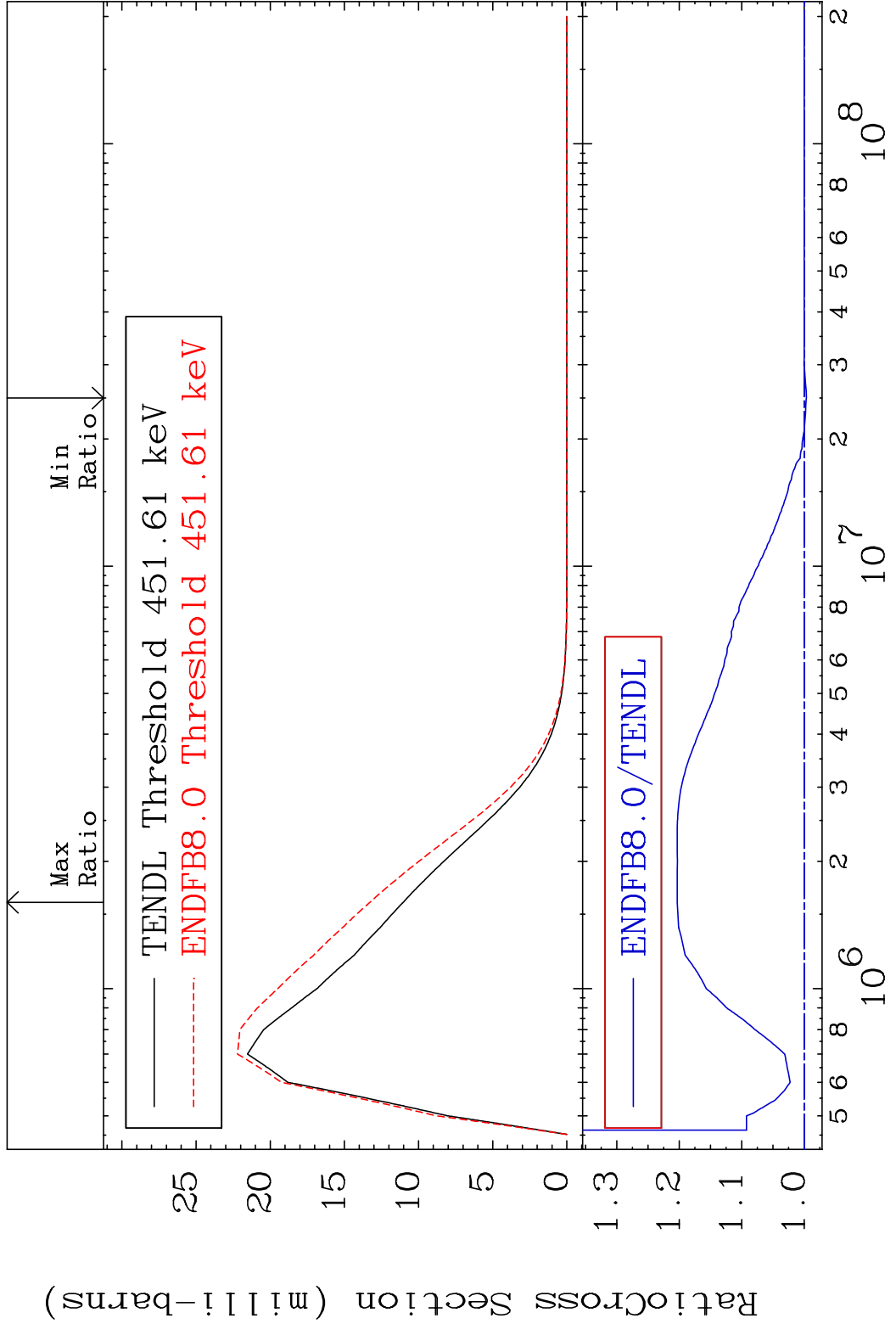
MAT 4322 MT= 70 (n,n') Level 43-Tc-98
 Cross Section 0.000 To 27.79 %



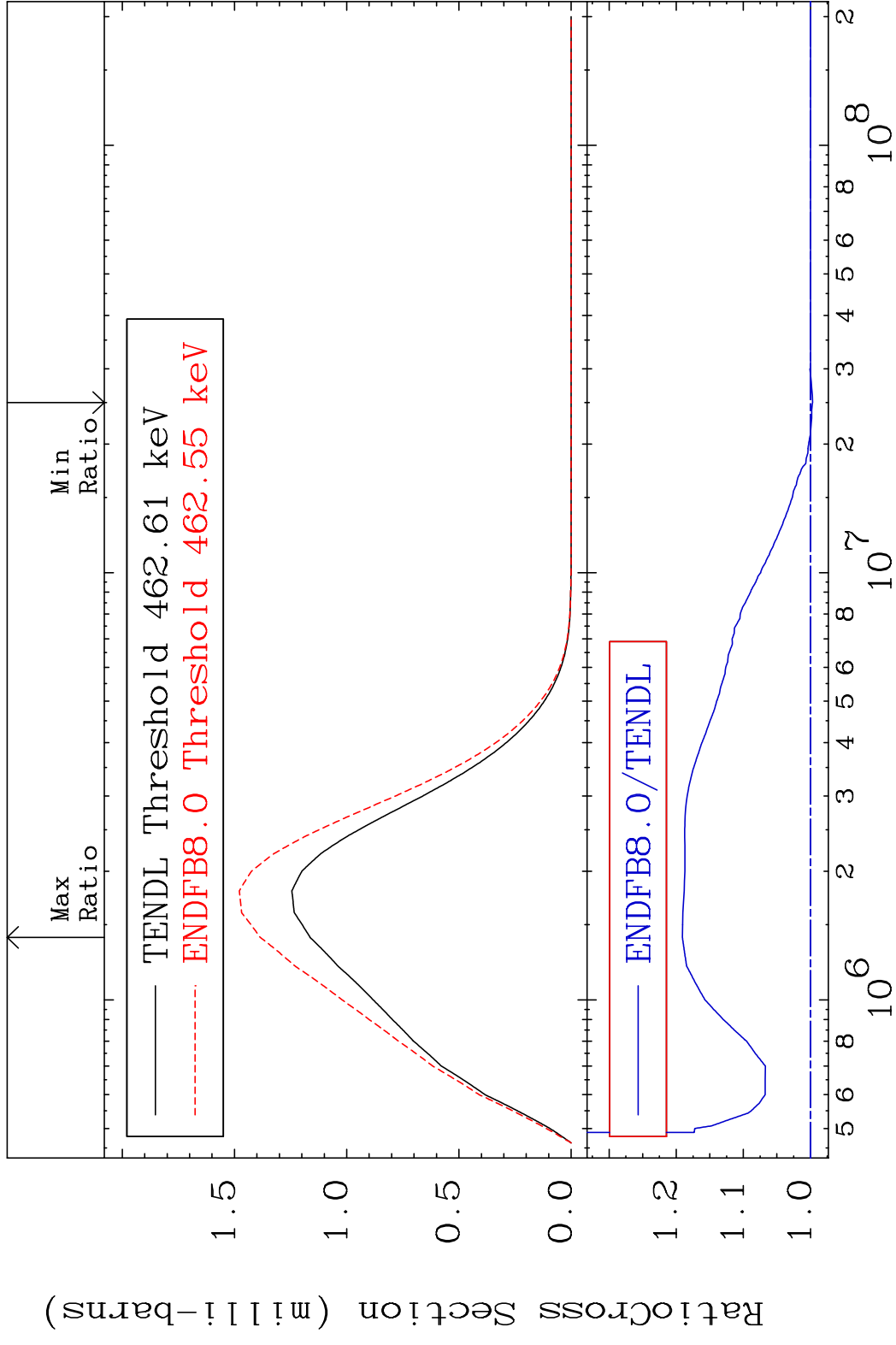
MAT 4322 MT= 71 (n,n') Level 43-Tc-98
 Cross Section -100.0 To 26.26 %



MAT 4322 MT= 72 (n,n') Level 43-Tc-98
 Cross Section -0.349 To 20.33 %

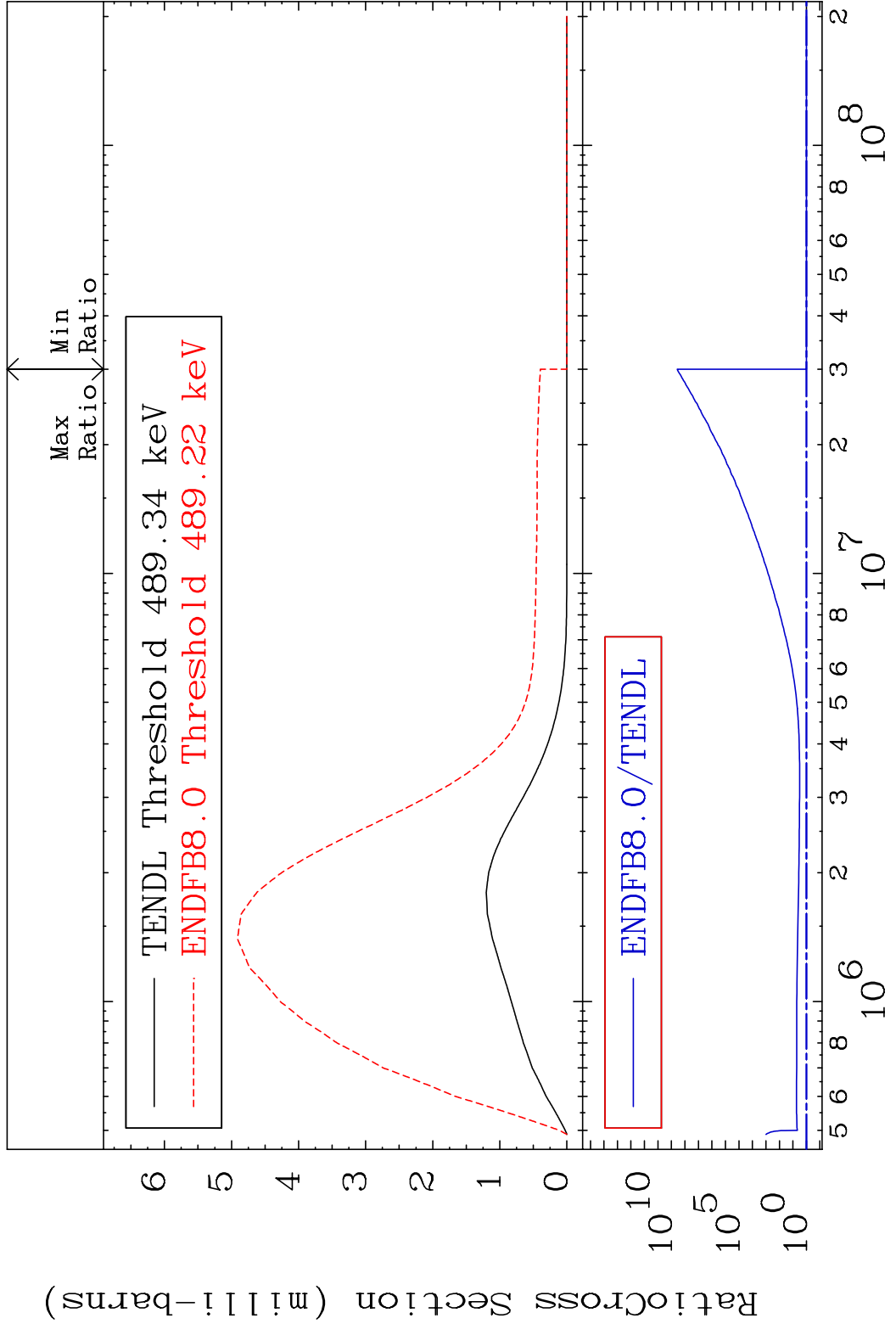


MAT 4322 MT= 73 (n, n') Level 43-Tc-98
 Cross Section -0.315 To 19.09 %



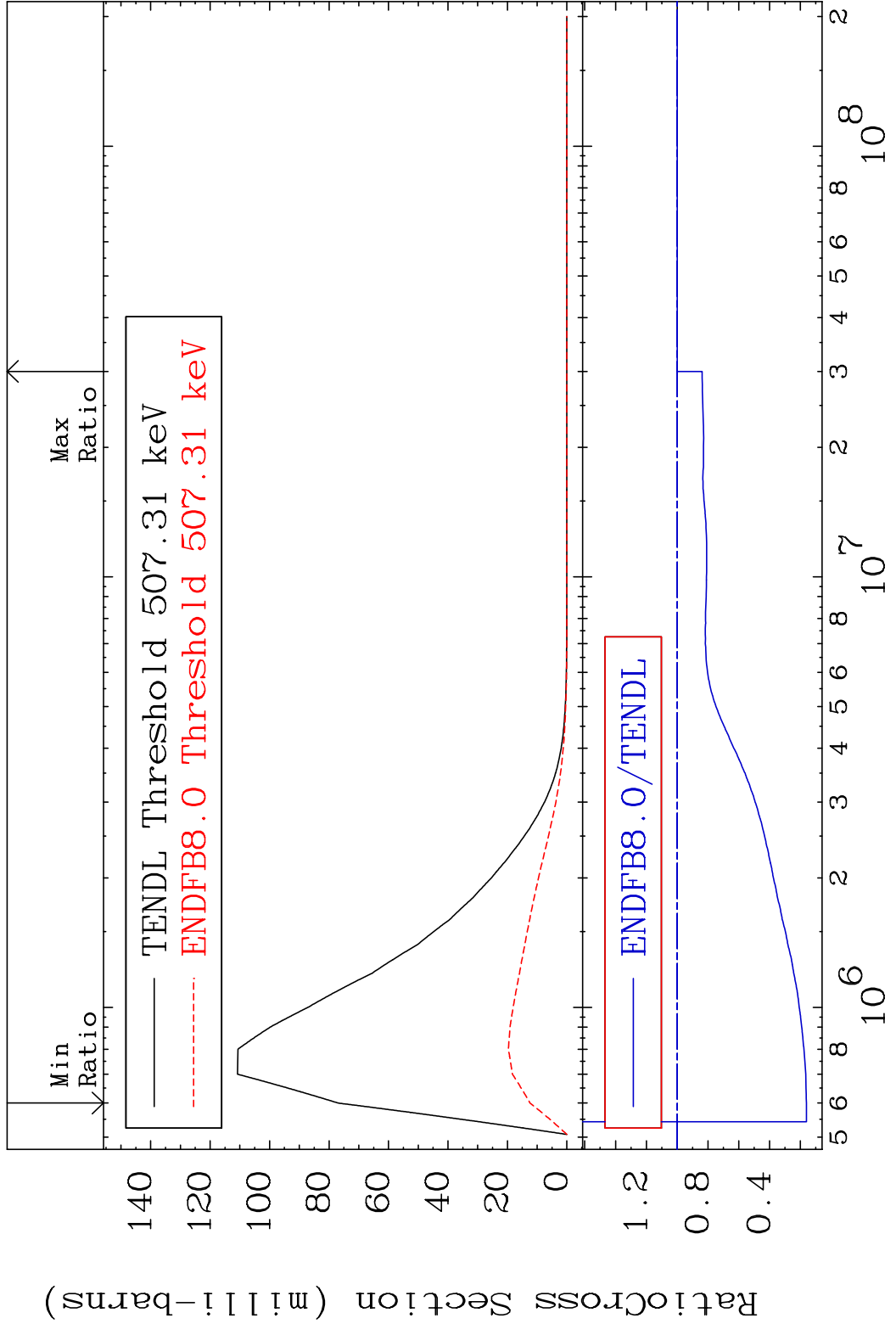
43 Incident Energy (eV) 43-Tc-98

MAT 4322 MT= 74 (n,n') Level 43-Tc-98
 Cross Section 0.000 To 9999. %



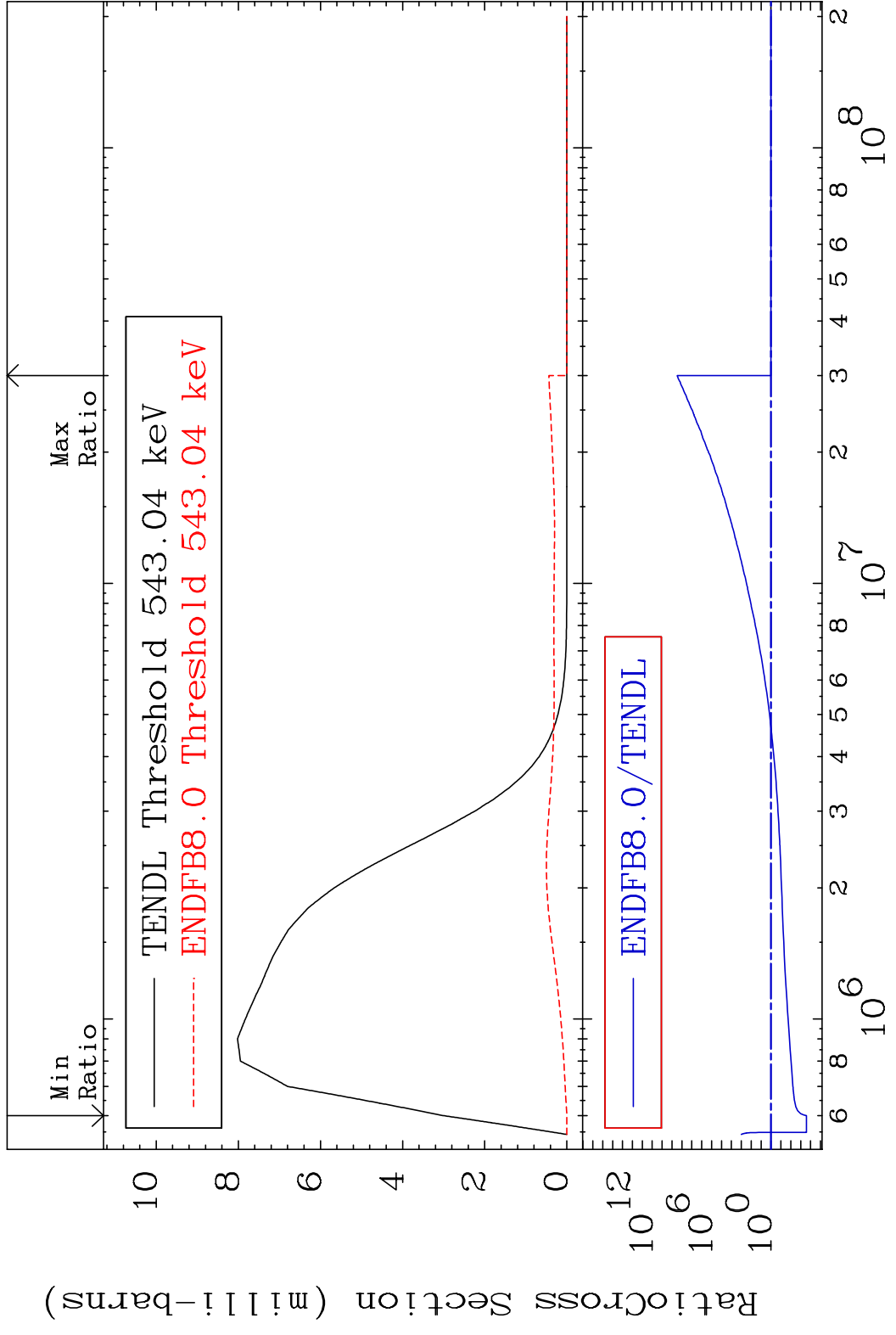
44 Incident Energy (eV) 43-Tc-98

MAT 4322 MT= 75 (n, n') Level 43-Tc-98
 Cross Section -83.87 To 0.000 %



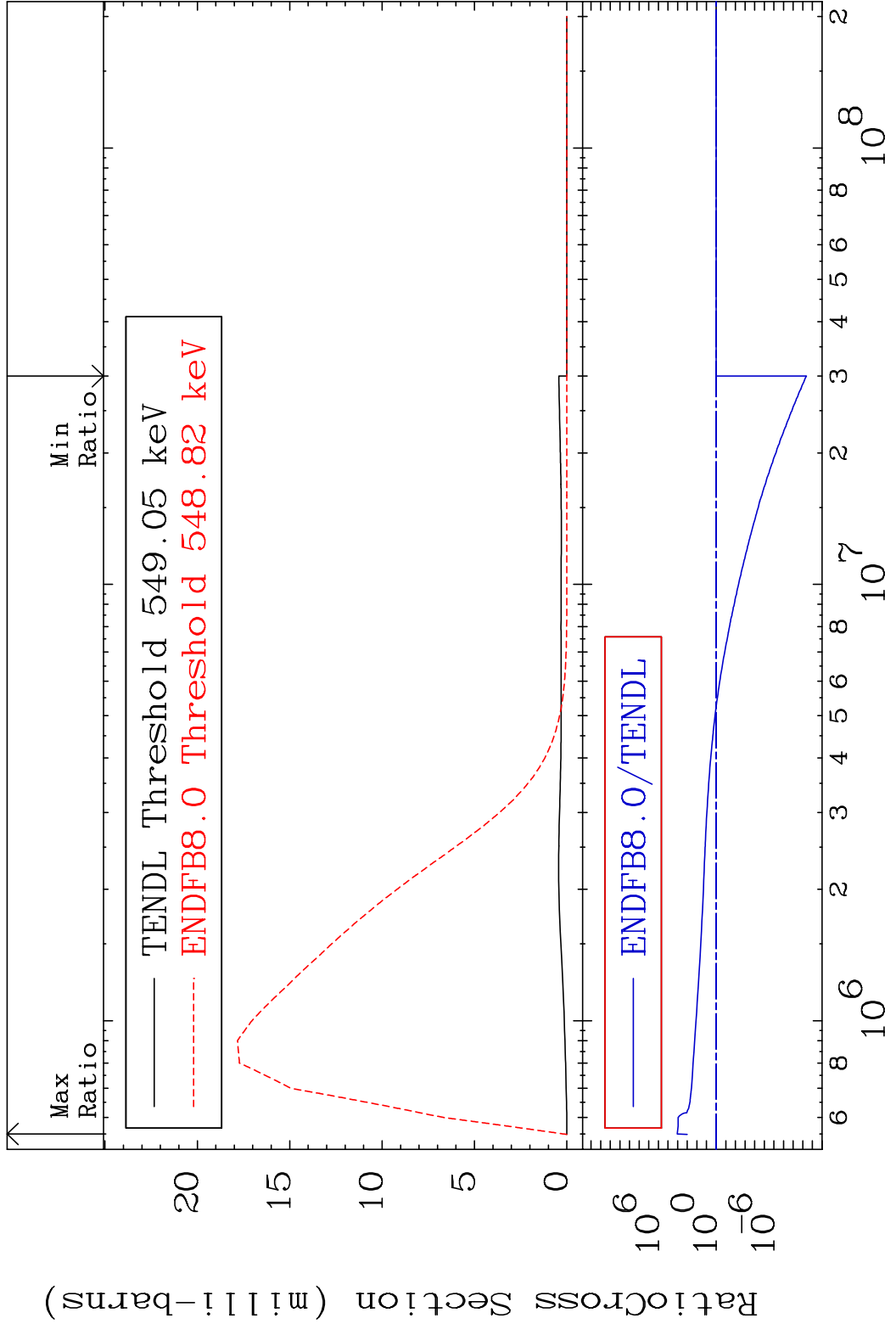
45 Incident Energy (eV) 43-Tc-98

MAT 4322 MT= 76 (n,n') Level 43-Tc-98
 Cross Section -99.97 To 9999. %

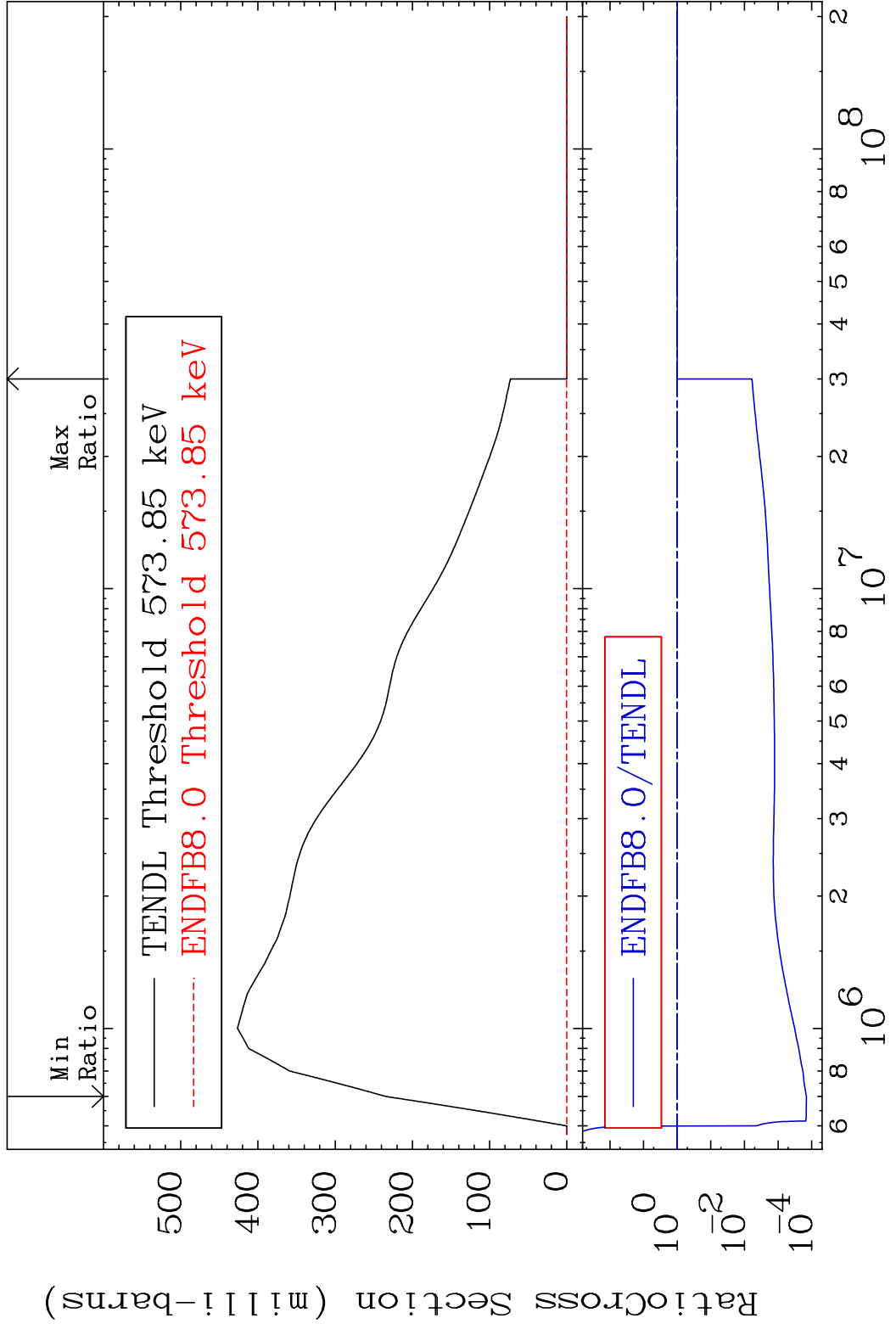


46 Incident Energy (eV) 43-Tc-98

MAT 4322 MT= 77 (n,n') Level 43-Tc-98
 Cross Section -100.0 To 9999. %

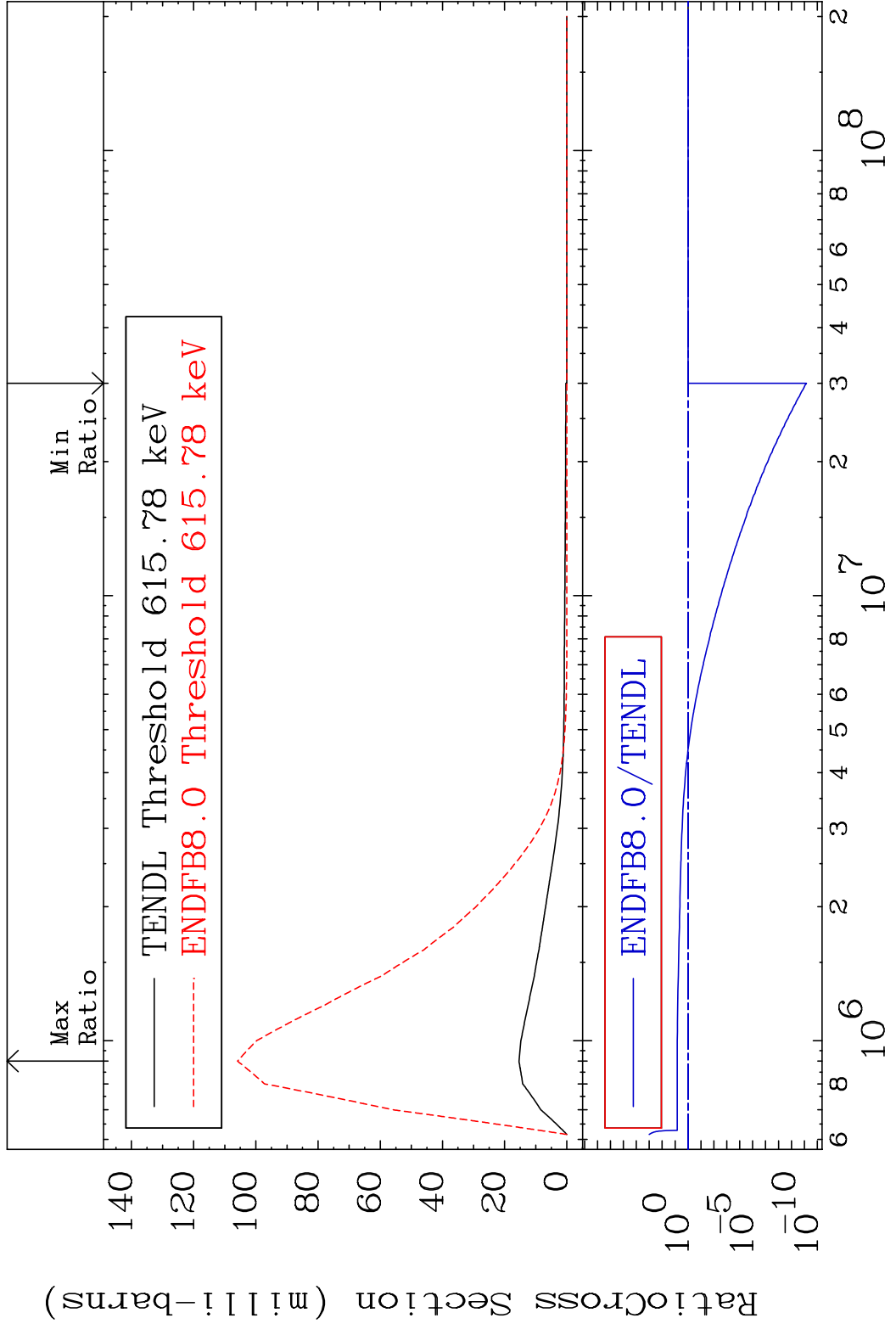


MAT 4322 MT= 78 (n, n') Level 43-Tc-98
 Cross Section -99.99 To 0.000 %

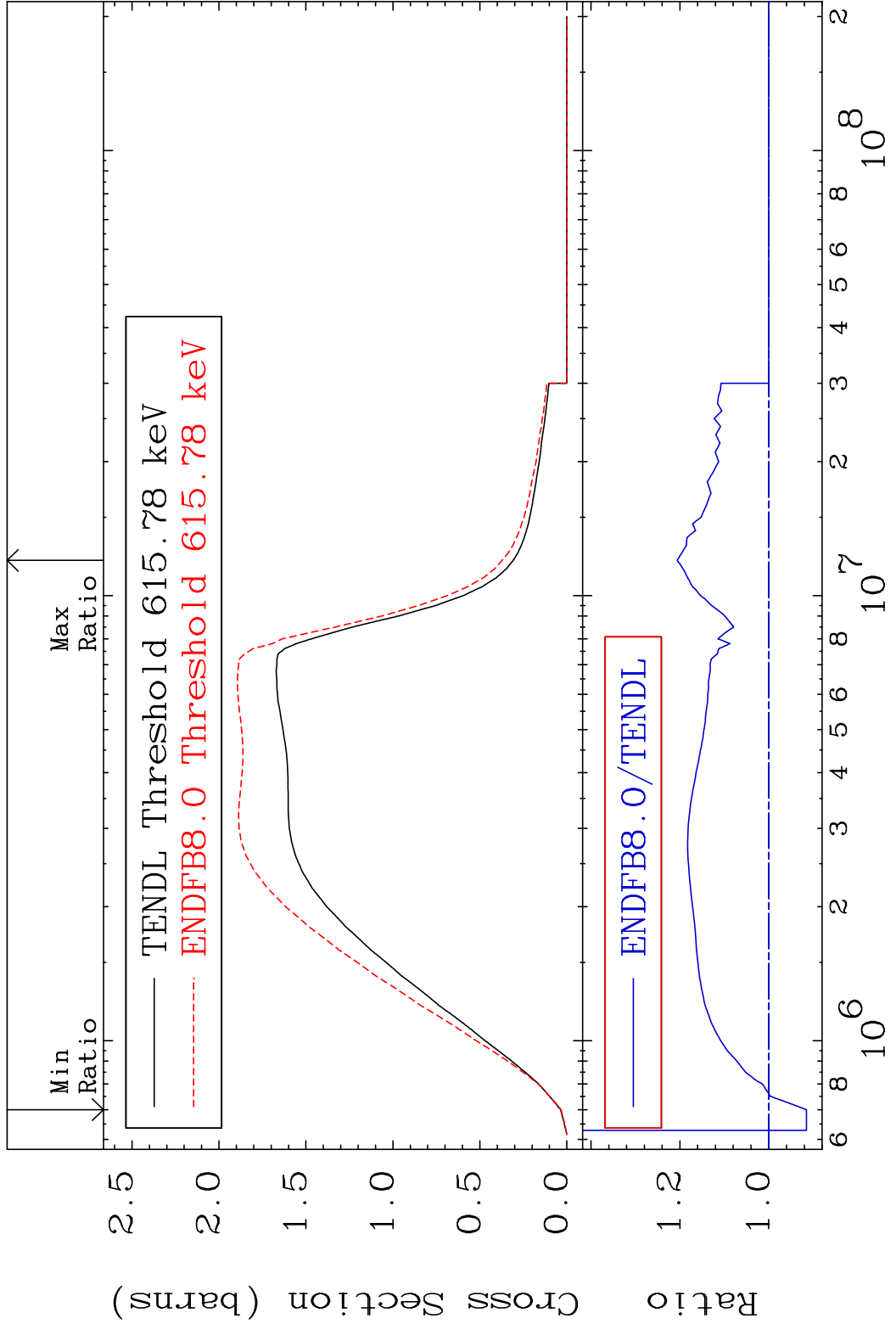


48 Incident Energy (eV) 43-Tc-98

MAT 4322 MT= 79 (n, n') Level 43-Tc-98
 Cross Section -100.0 To 587.3 %



MAT 4322 (n, n') Continuum 43-Tc-98
 Cross Section -8.471 To 20.61 %



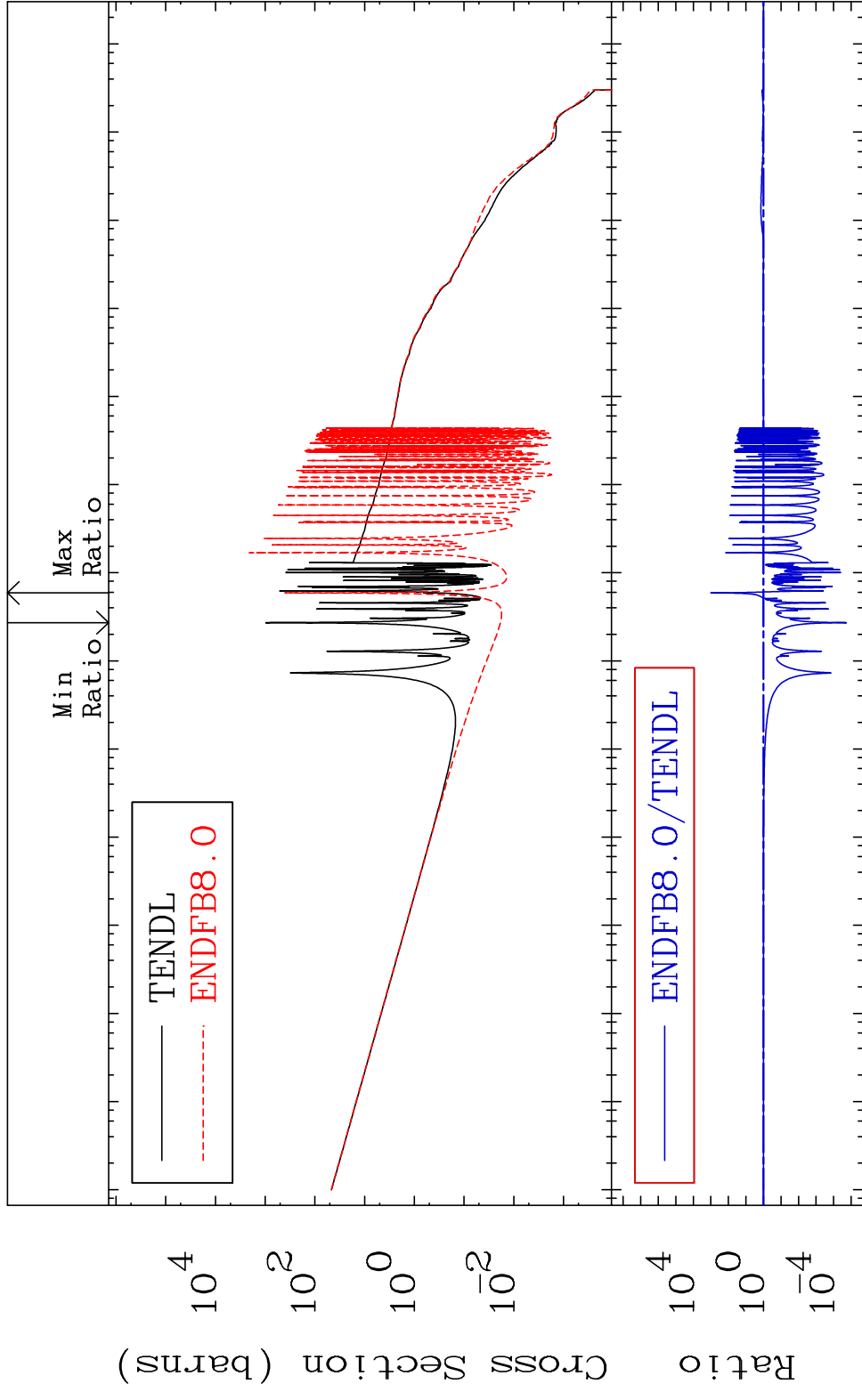
50 Incident Energy (eV) 43-Tc-98

MAT 4322

43-Tc-98

(n, γ)

Cross Section -100.0 To 9999. %

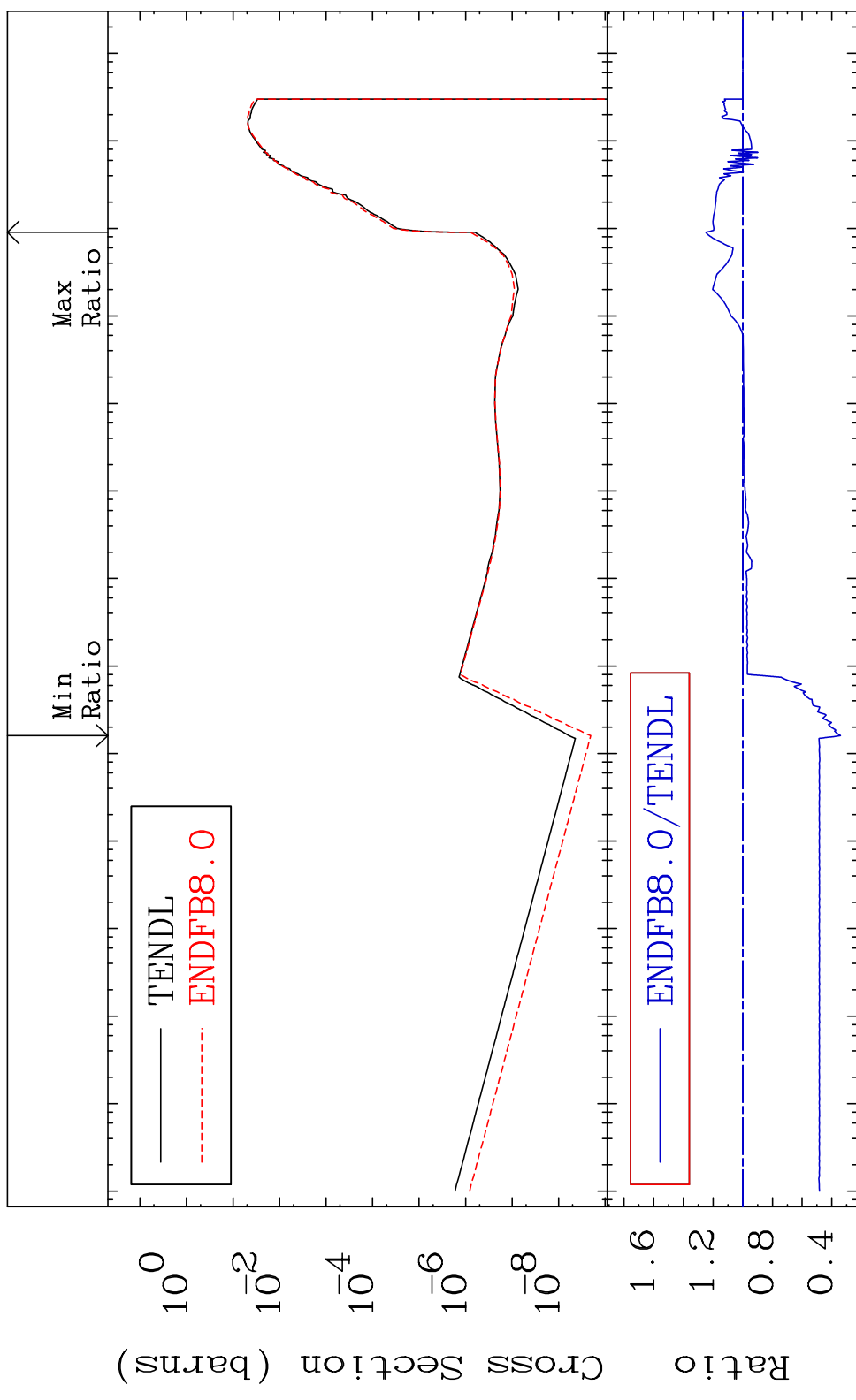


MAT 4322

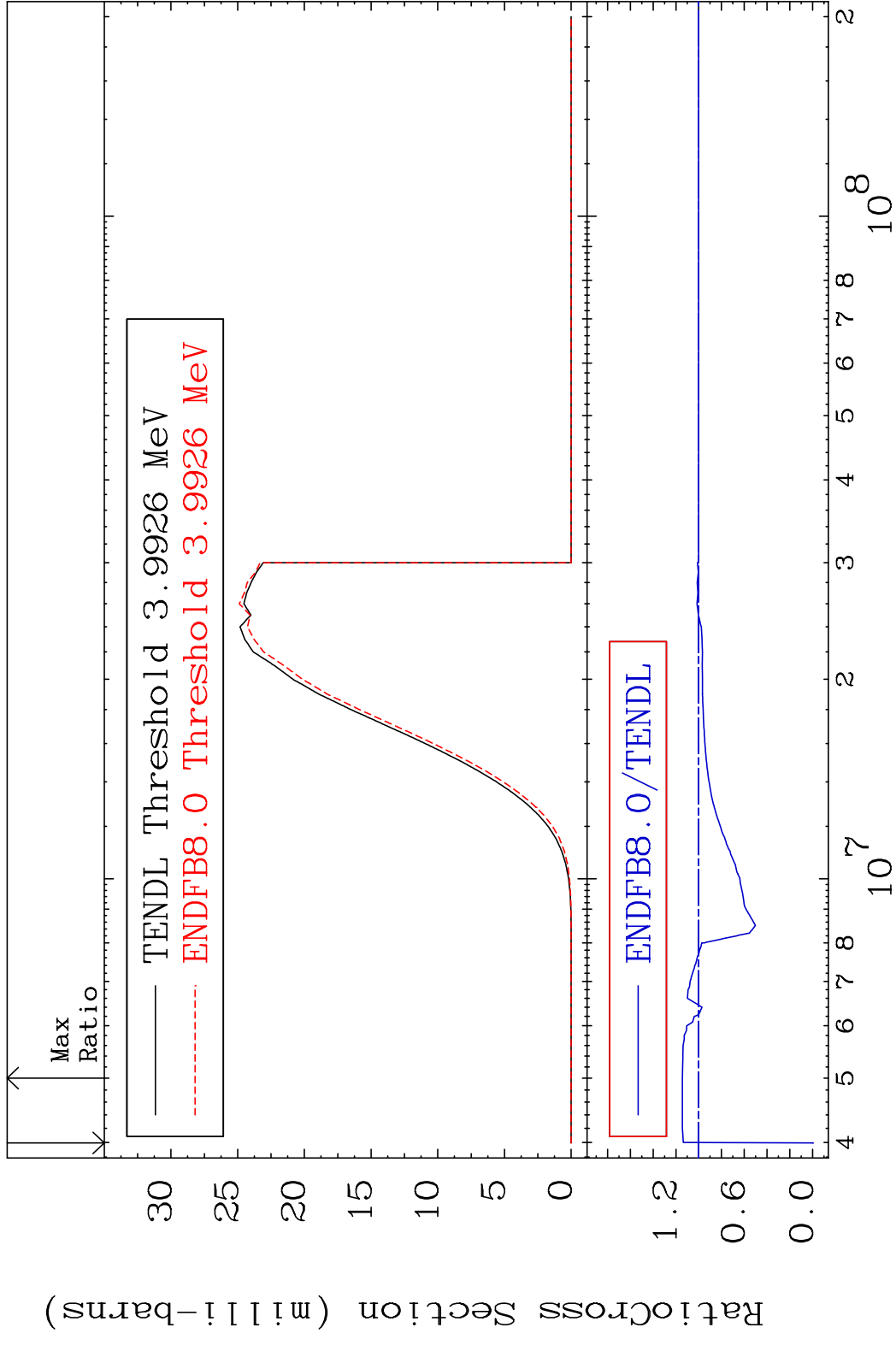
(n, p)

43-Tc-98

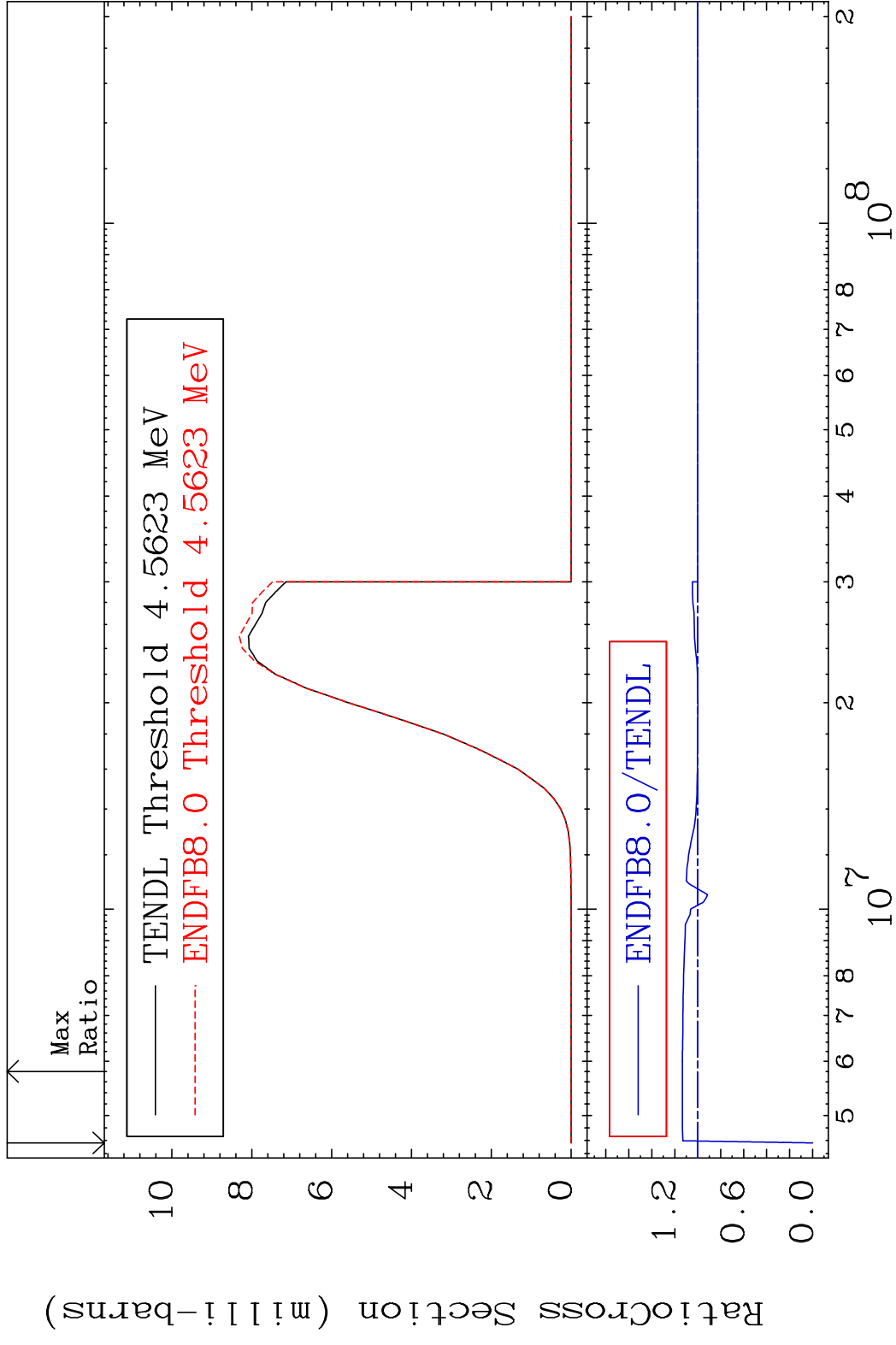
Cross Section -65.79 To 24.92 %



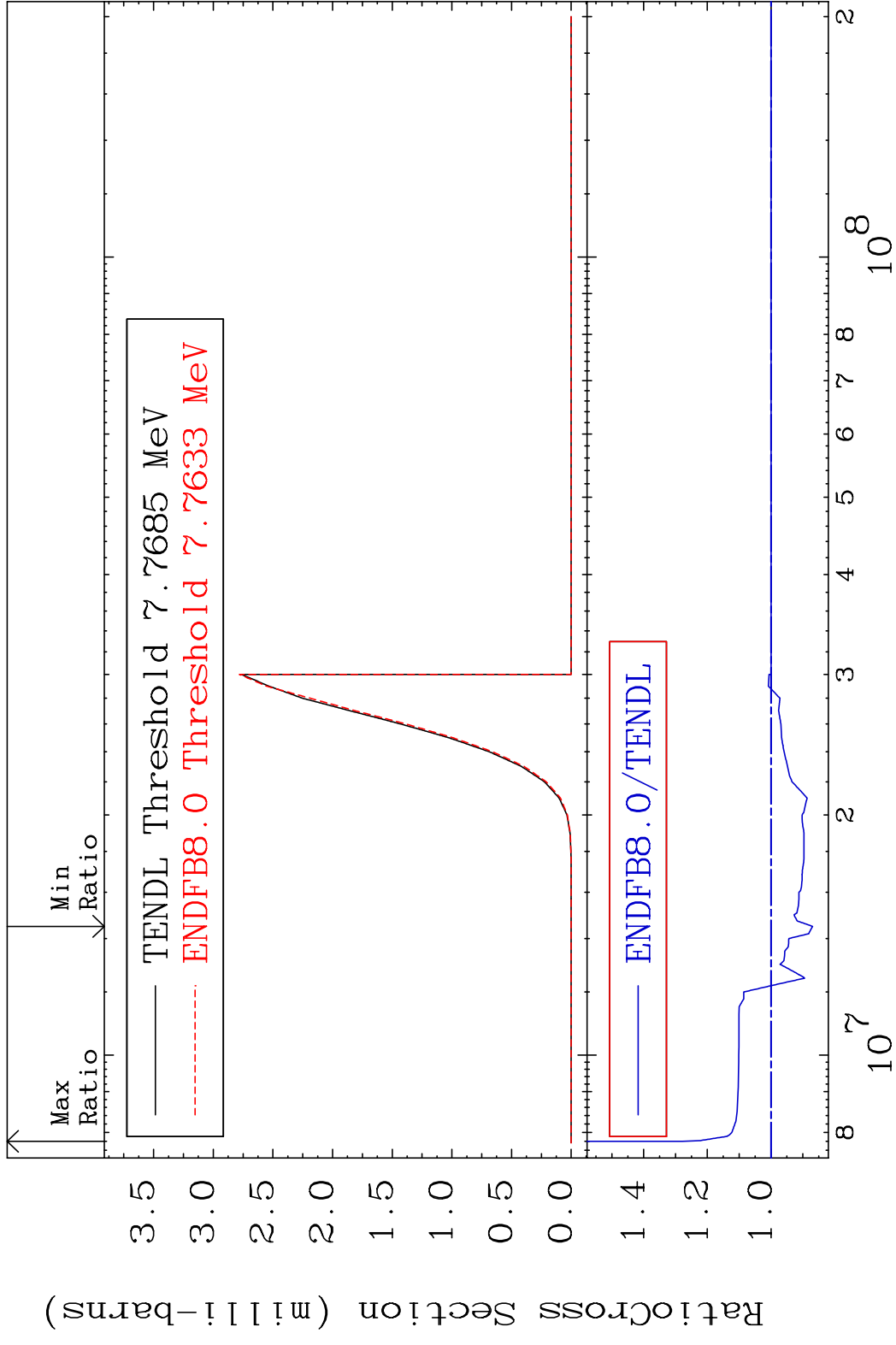
MAT 4322 (n,d) 43-Tc-98
 Cross Section -100.0 To 14.33 %



MAT 4322 (n, t) 43-Tc-98
 Cross Section -100.0 To 13.39 %



MAT 4322 (n, He-3) 43-Tc-98
 Cross Section -13.06 To 27.86 %



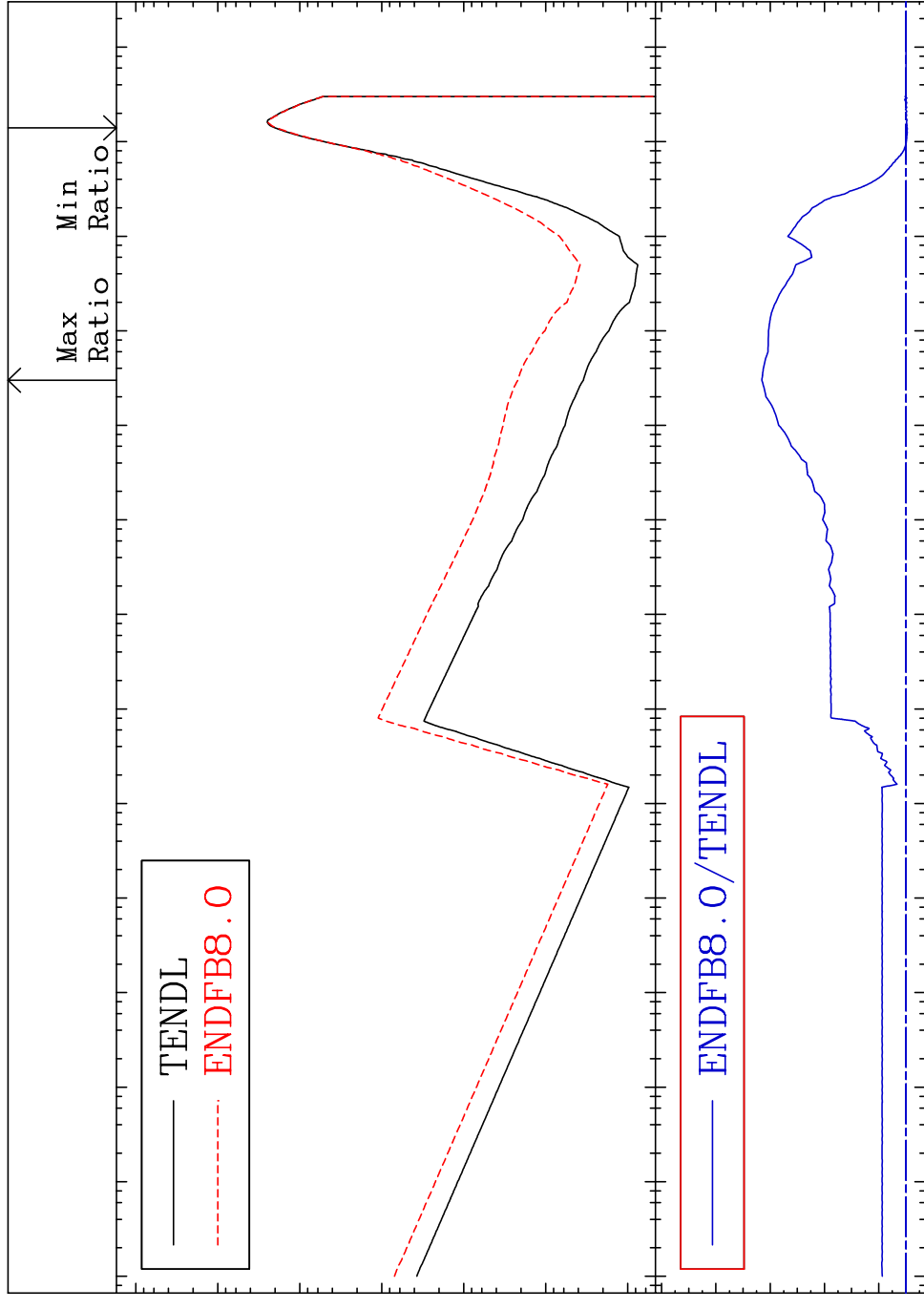
MAT 4322

(n, α)

43-Tc-98

Cross Section

-4.767 To 530.7 %



Cross Section (barns)

10^{-1}
 10^{-2}
 10^{-3}
 10^{-4}
 10^{-5}
 10^{-6}

Ratio

8
4

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

56

Incident Energy (eV)

43-Tc-98

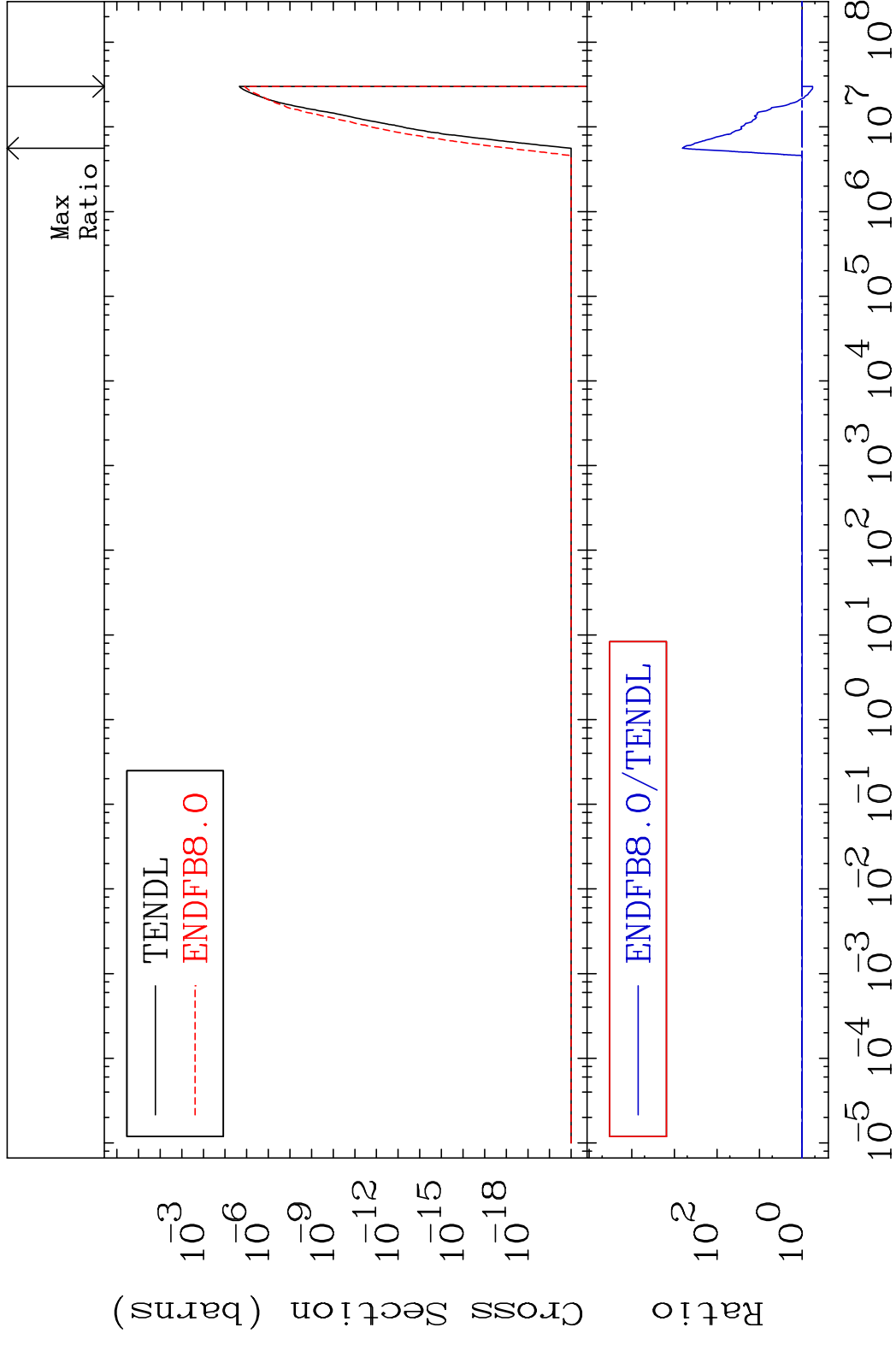
MAT 4322

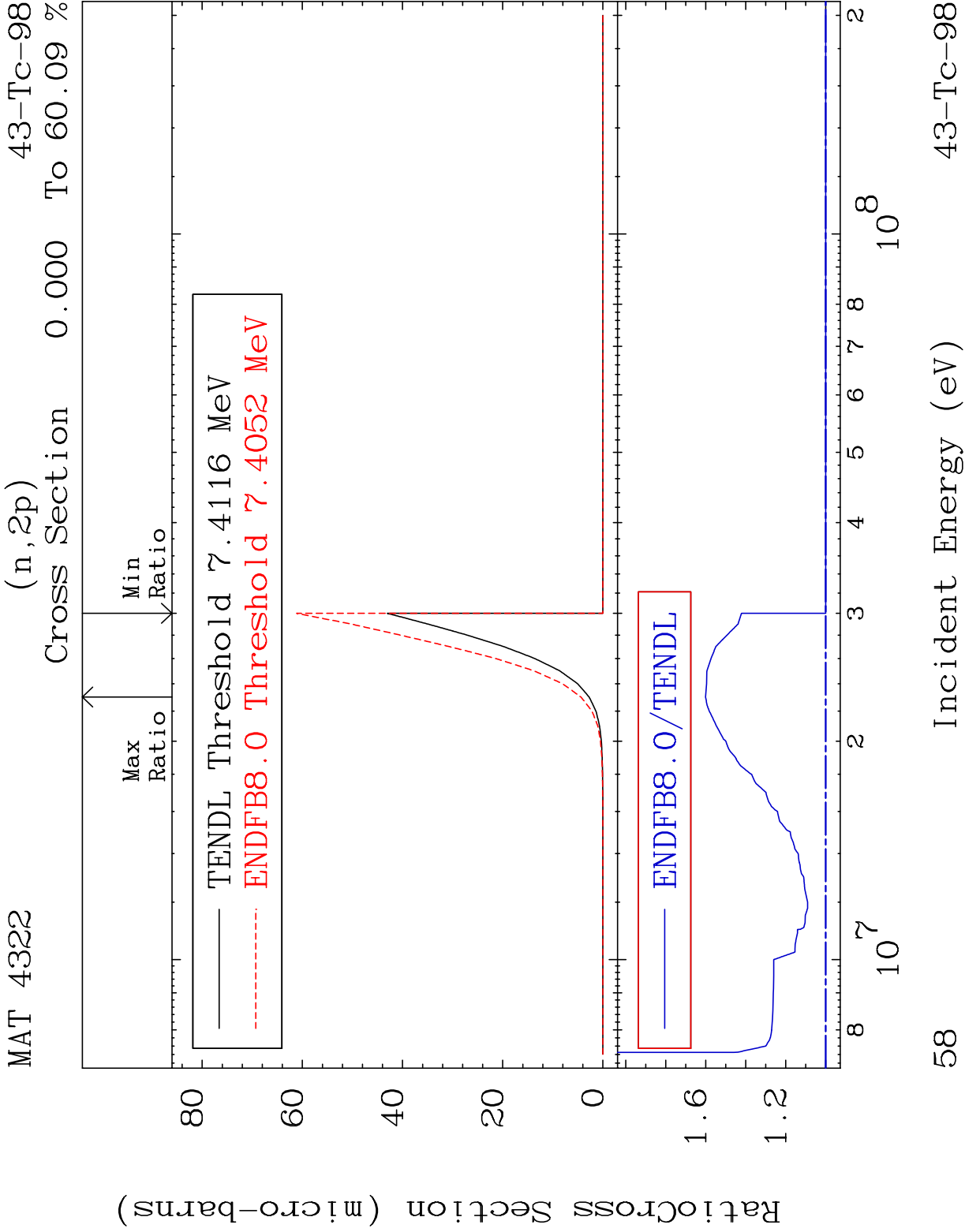
(n,2α)

43-Tc-98

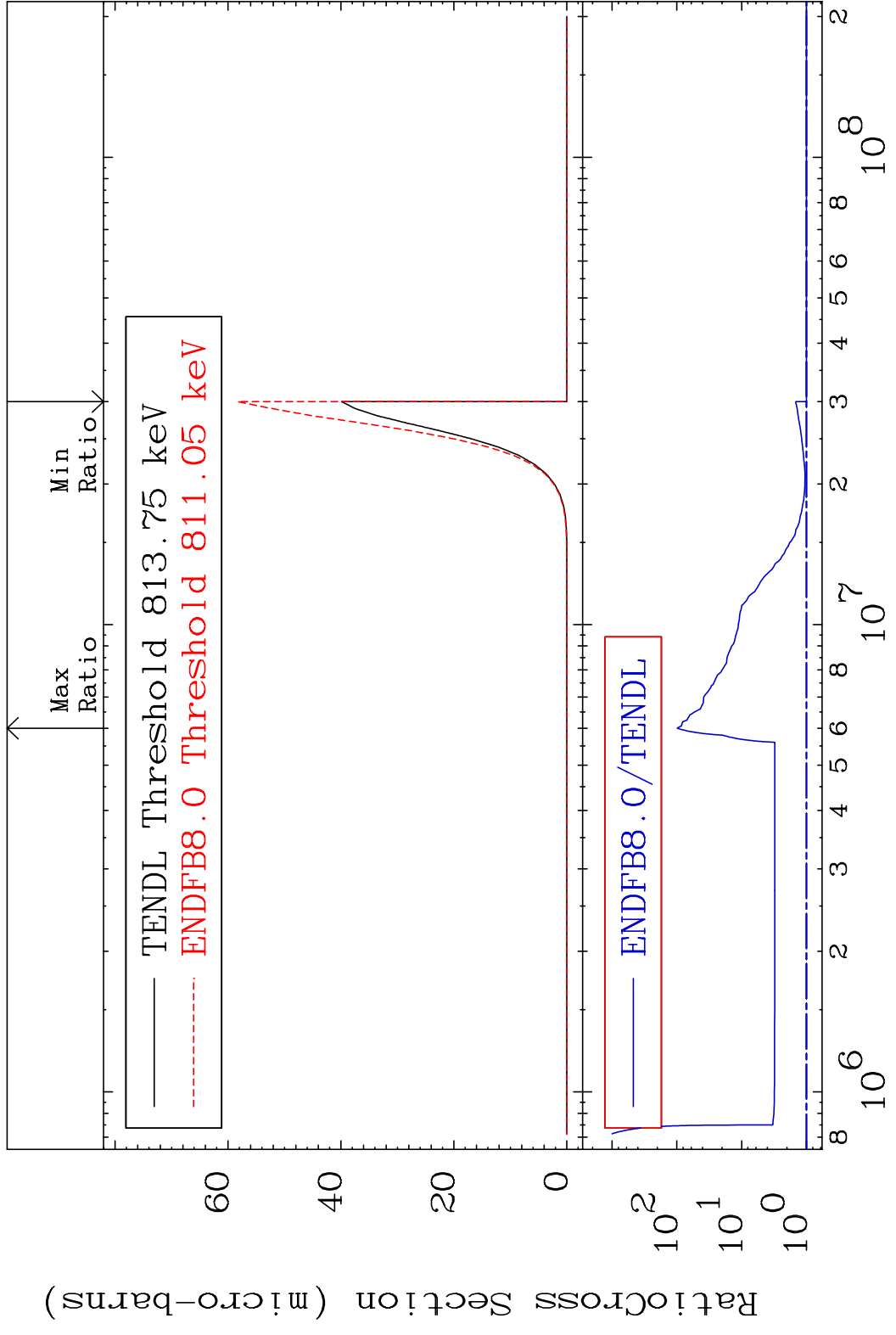
Cross Section

-43.17 To 9999. %



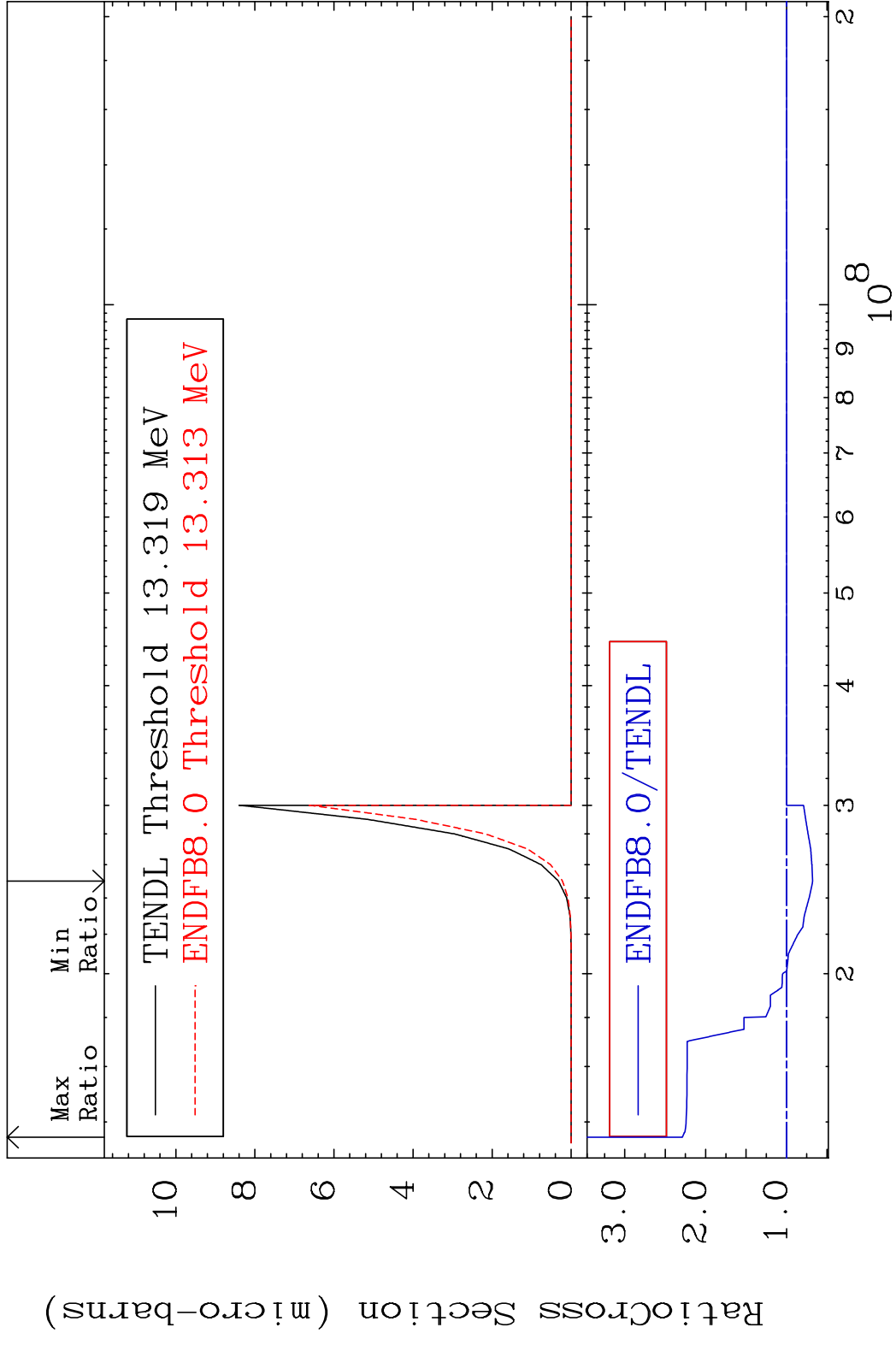


MAT 4322 (n,p) α 43-Tc-98
 Cross Section 0.000 To 9778. %

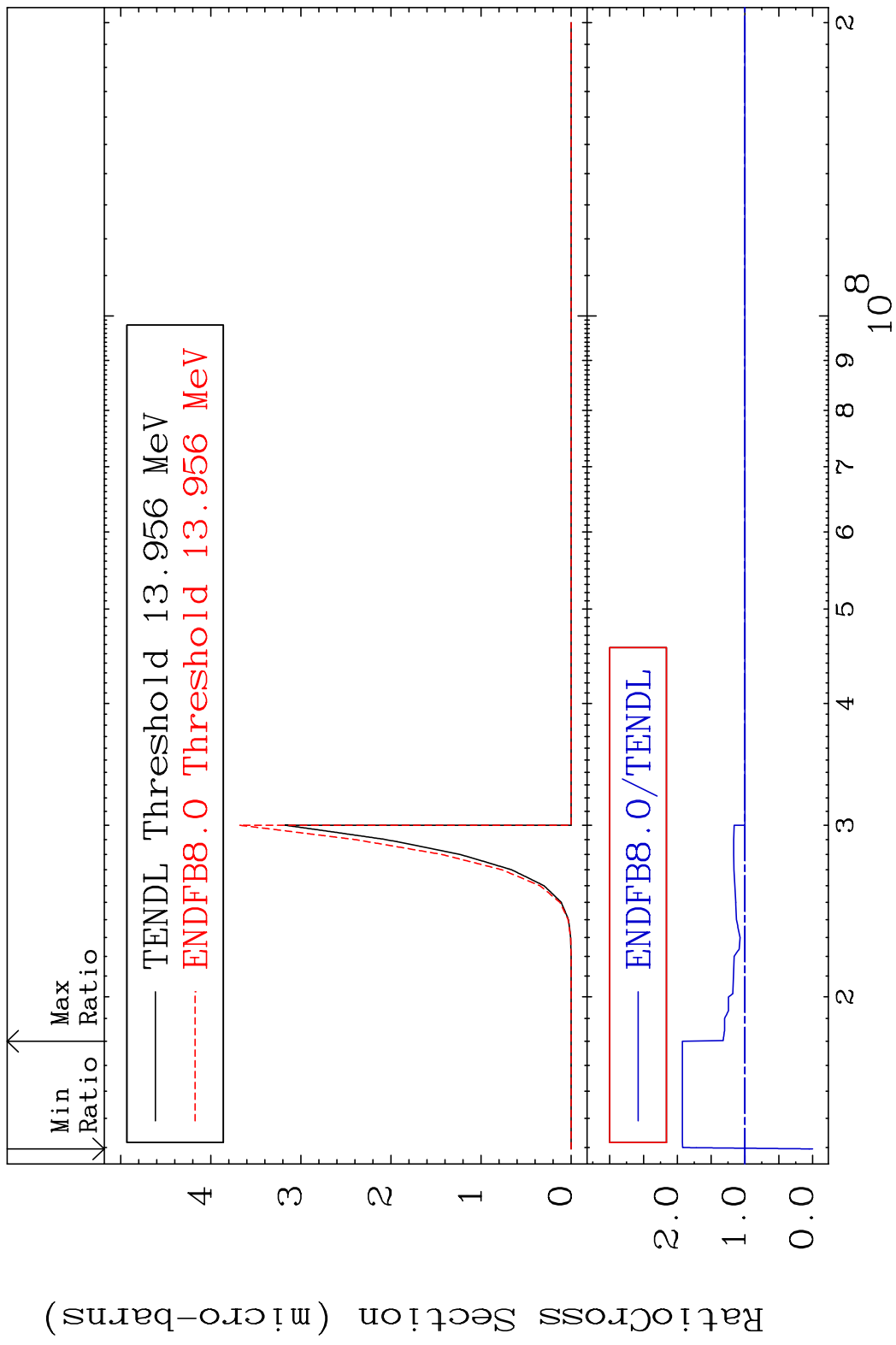


59 Incident Energy (eV) 43-Tc-98

MAT 4322 (n,p) d 43-Tc-98
 Cross Section -32.16 To 128.8 %



MAT 4322 (n,p) t 43-Tc-98
 Cross Section -100.0 To 92.56 %

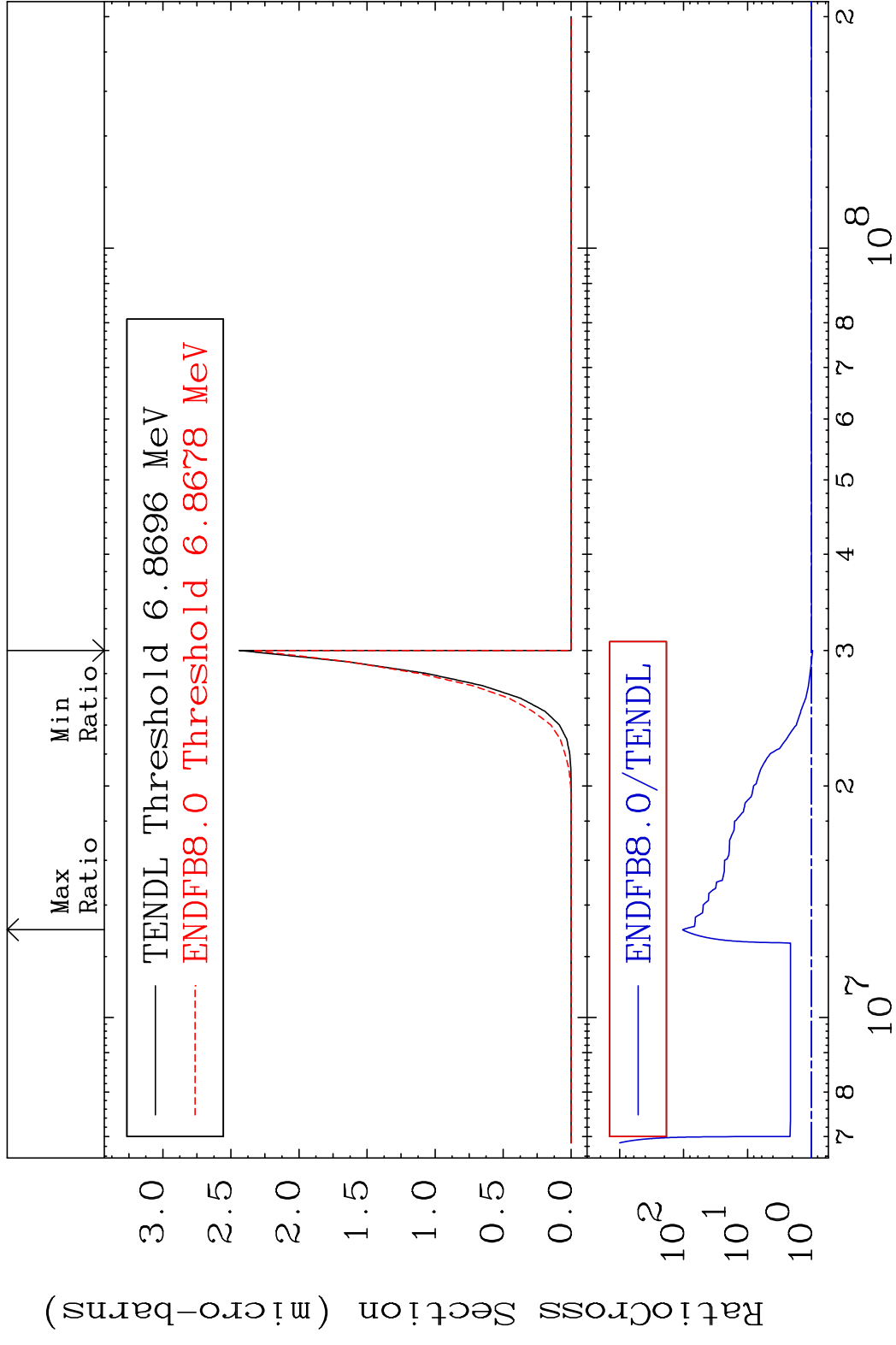


MAT 4322

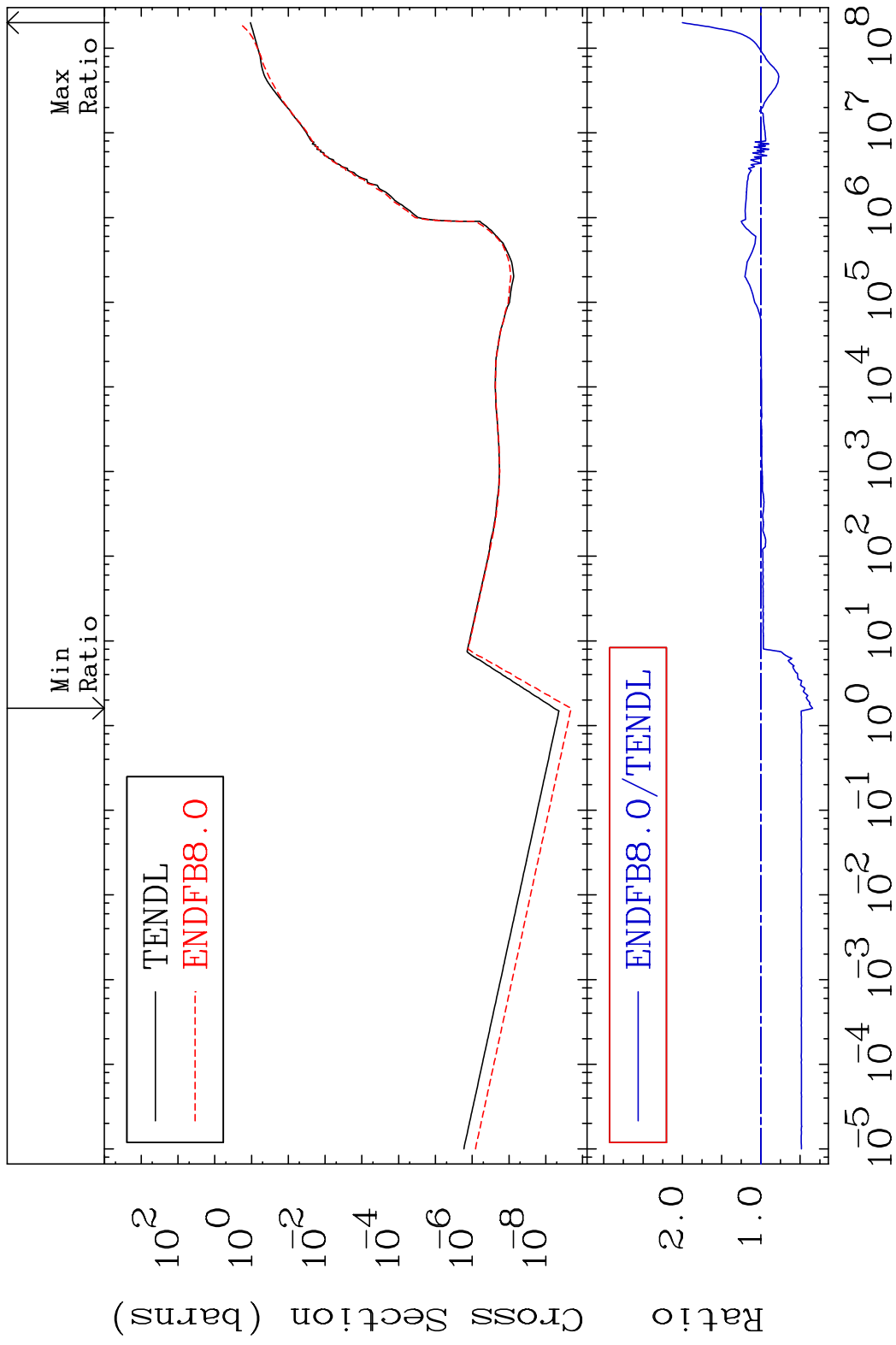
(n,d) α

43-Tc-98

Cross Section -3.917 To 9999. %

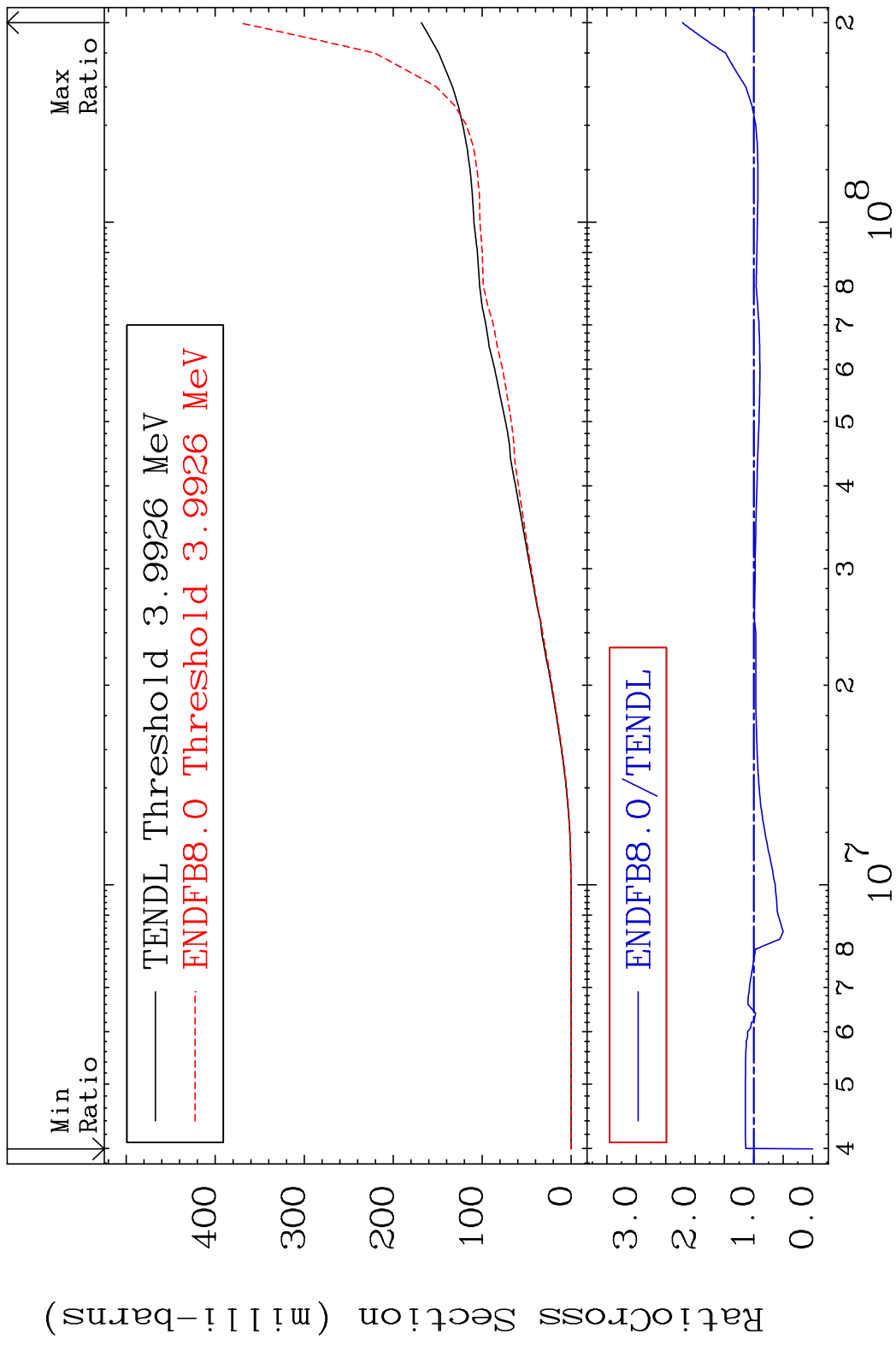


MAT 4322 Hydrogen Production 43-Tc-98
 Cross Section -65.79 To 99.98 %

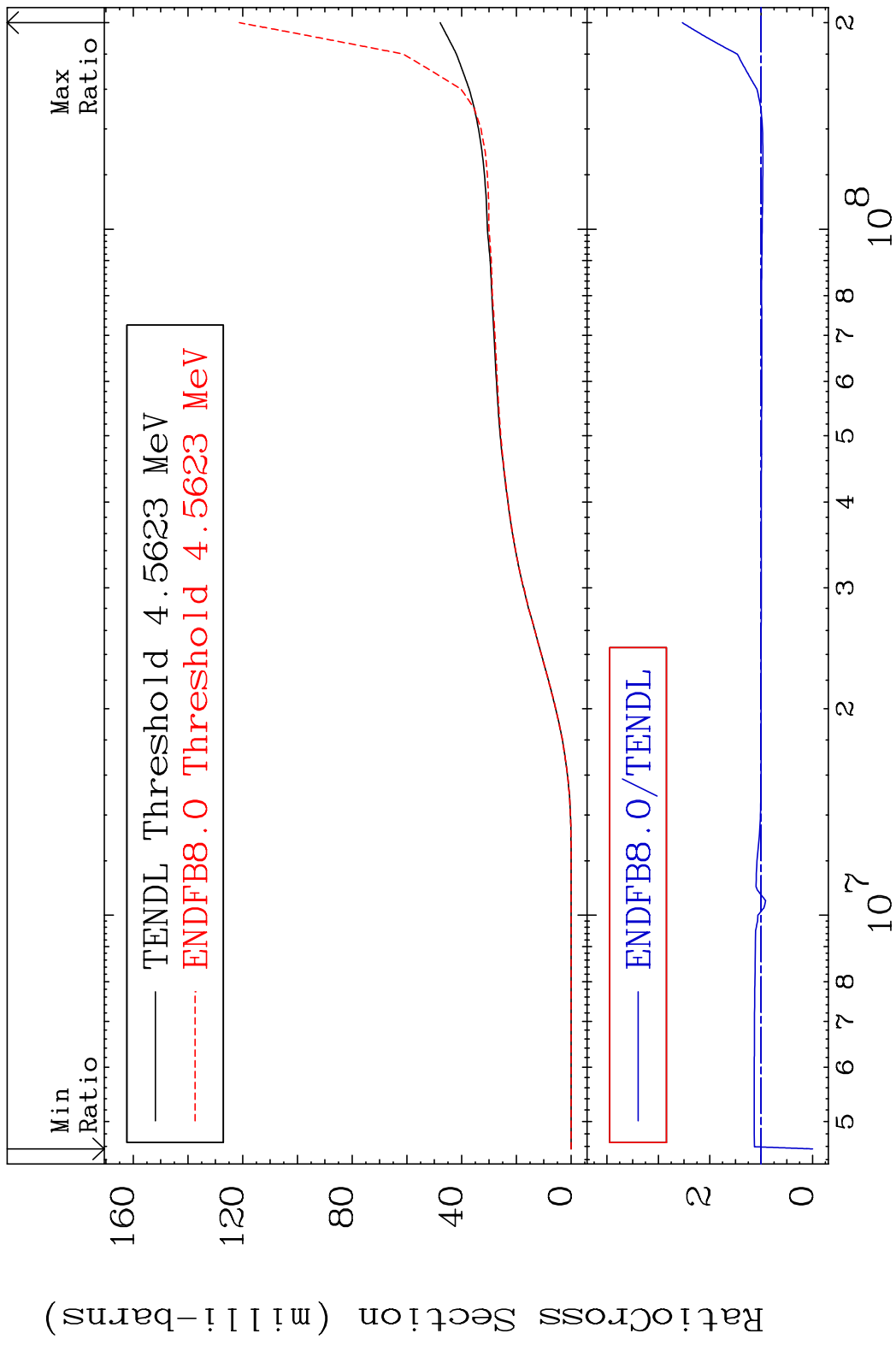


63 Incident Energy (eV) 43-Tc-98

MAT 4322 Deuterium Production 43-Tc-98
 Cross Section -100.0 To 121.6 %



MAT 4322 Tritium Production 43-Tc-98
 Cross Section -100.0 To 153.3 %



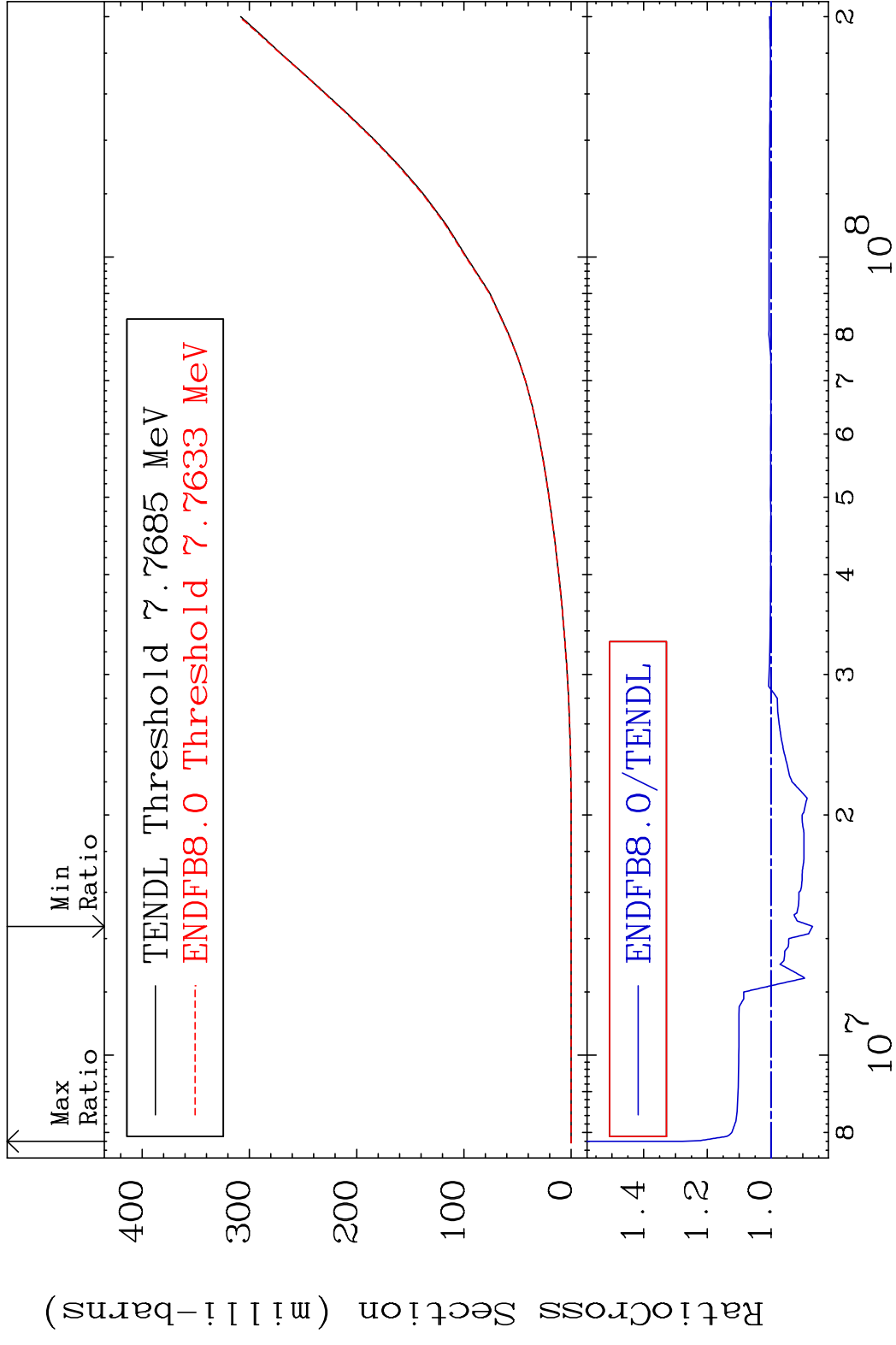
65 43-Tc-98

MAT 4322

He-3 Production

43-Tc-98

Cross Section -13.06 To 27.86 %



66

Incident Energy (eV)

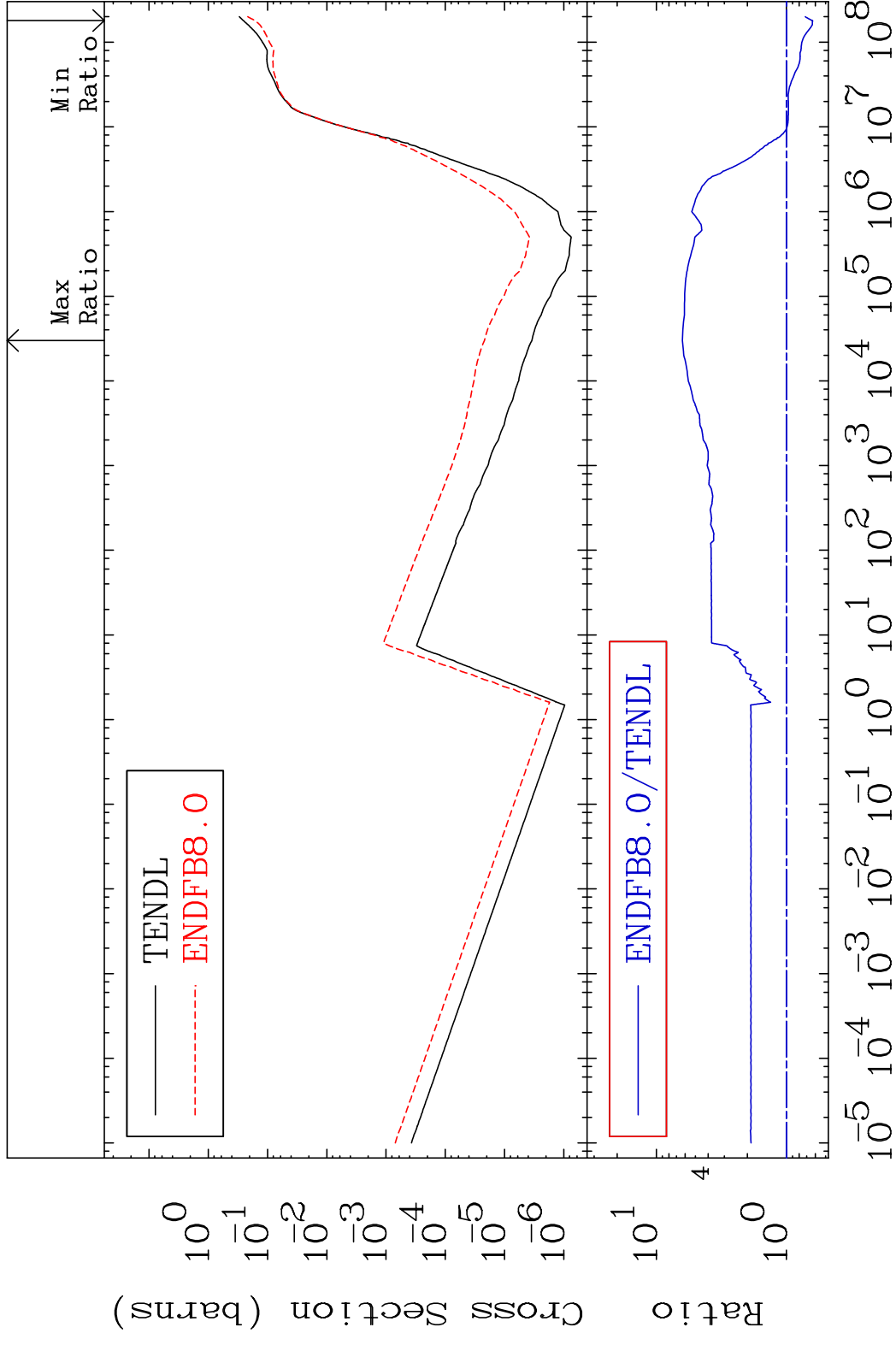
43-Tc-98

MAT 4322

He-4 Production

43-Tc-98

Cross Section -36.96 To 530.7 %

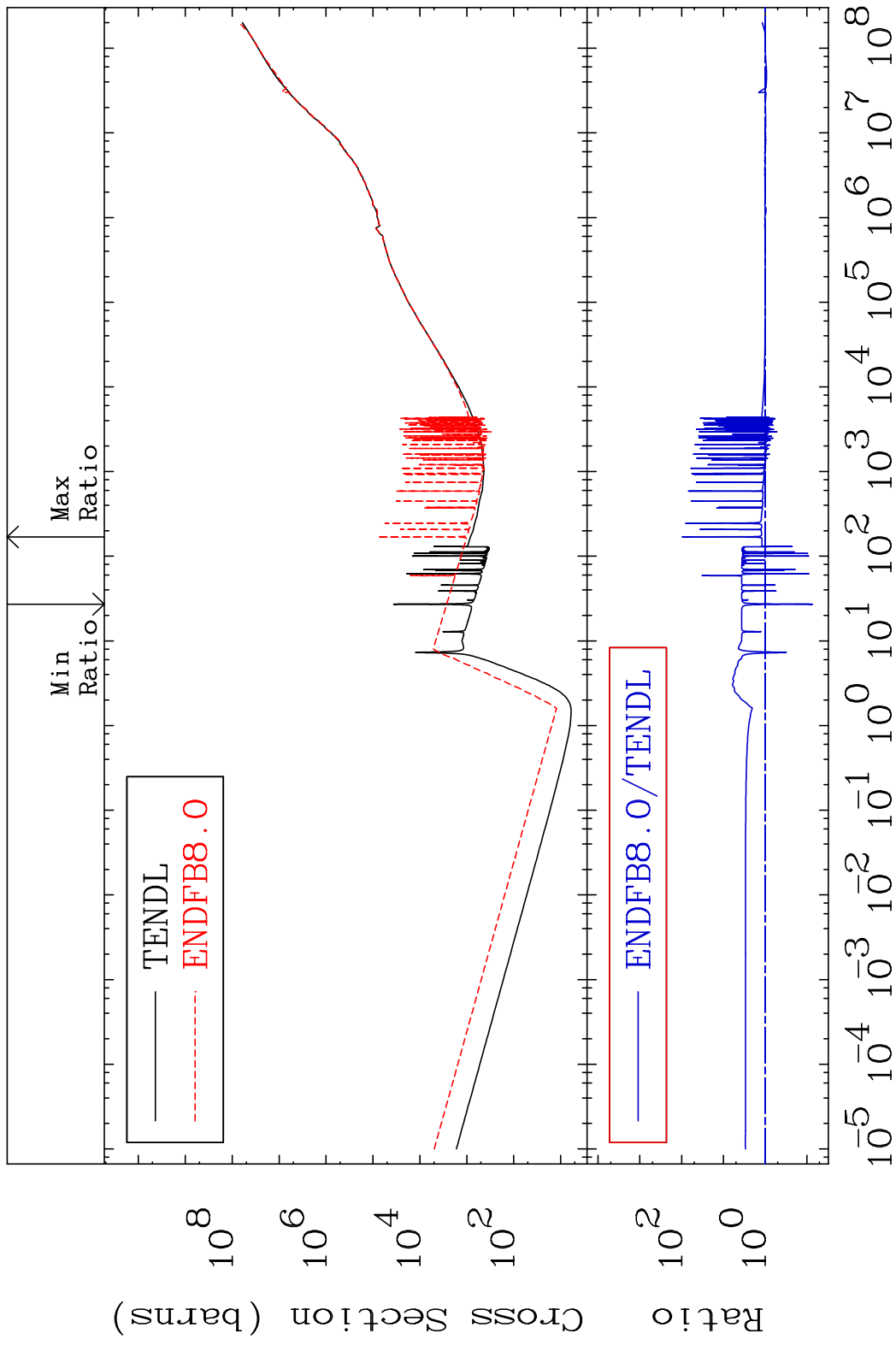


67

Incident Energy (eV)

43-Tc-98

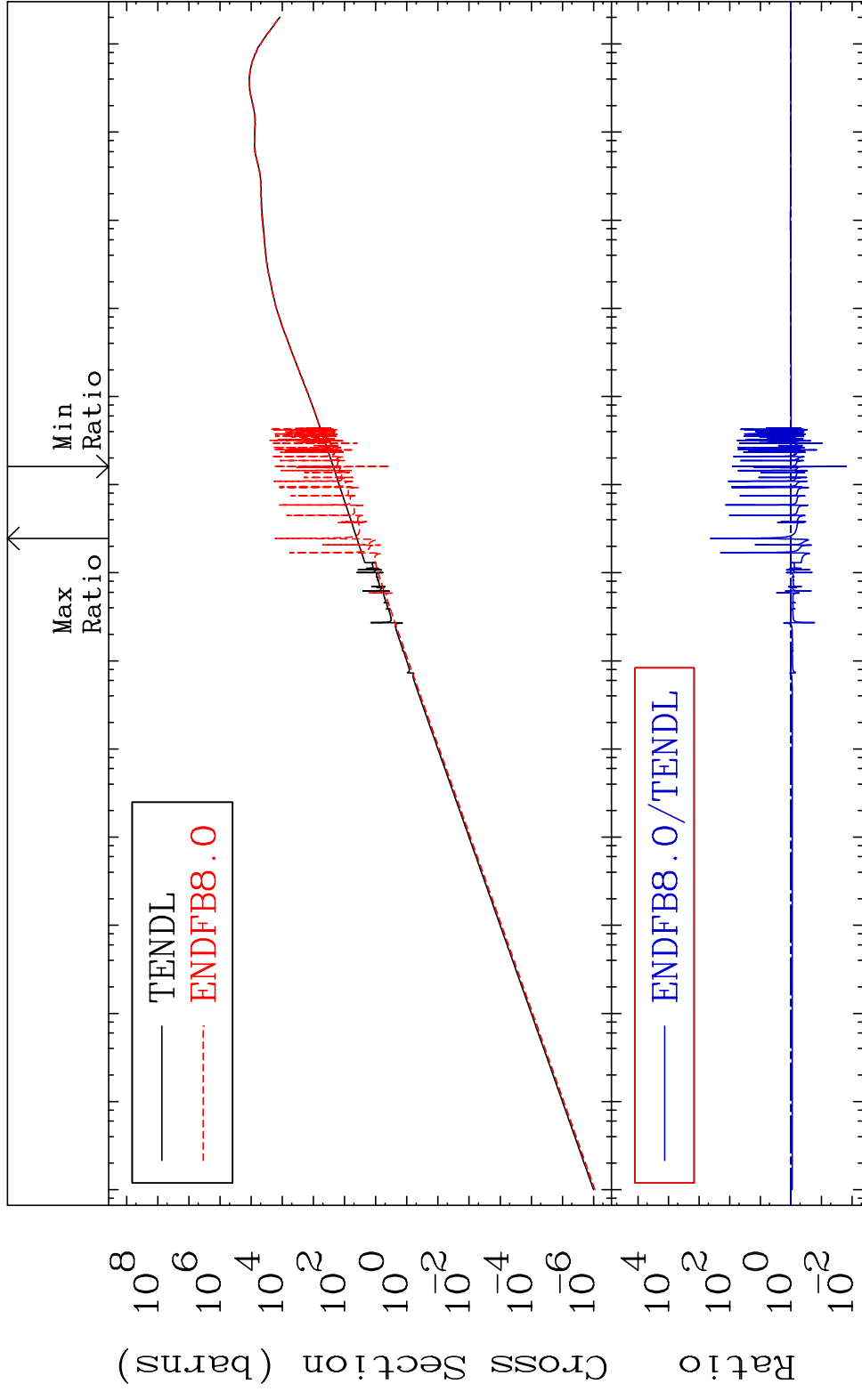
MAT 4322 Kerma total (eV-barns) 43-Tc-98
 Cross Section -92.69 To 9497. %



MAT 4322

Kerma elastic
Cross Section -98.46 To 9999. %

43-Tc-98

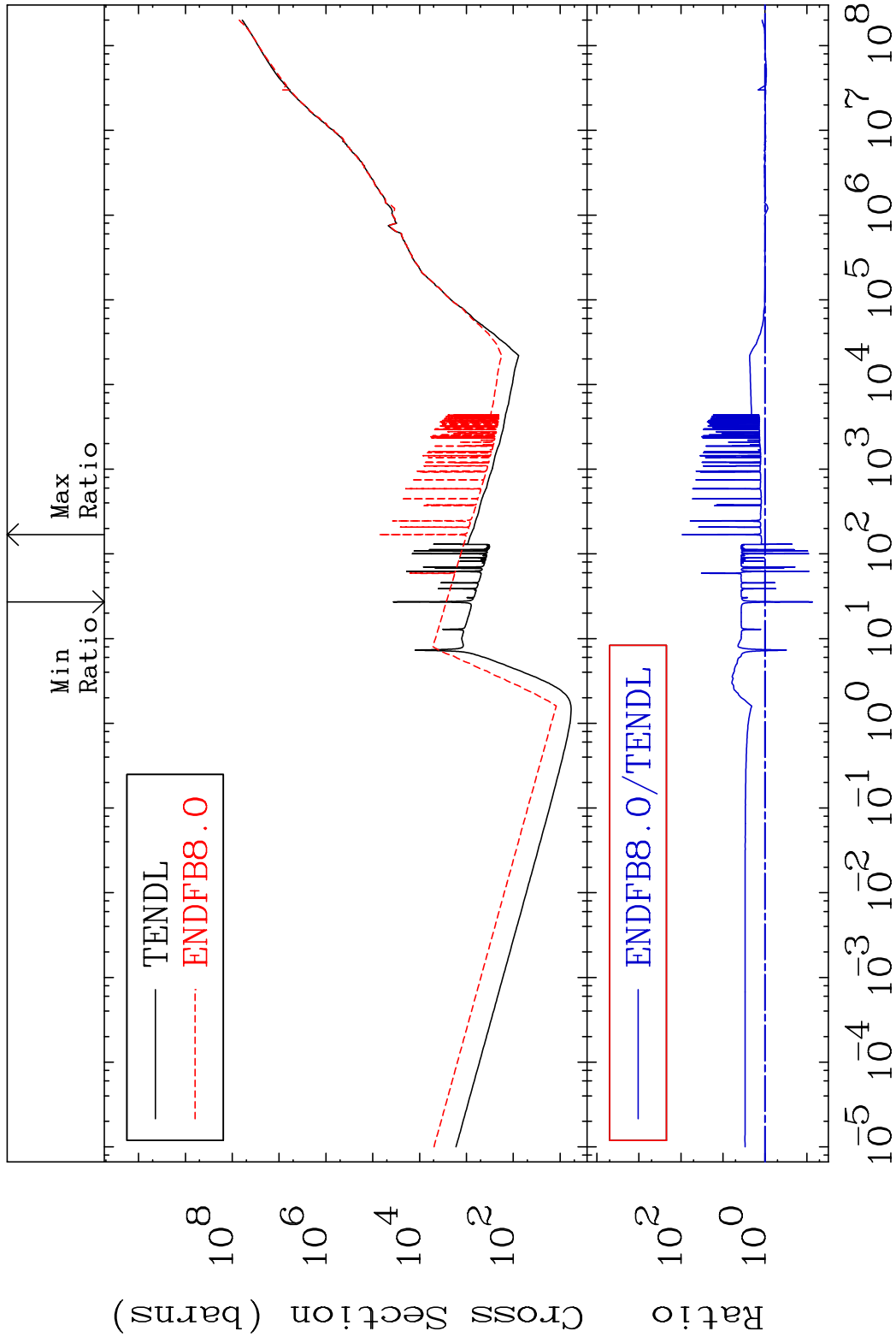


69

Incident Energy (eV)

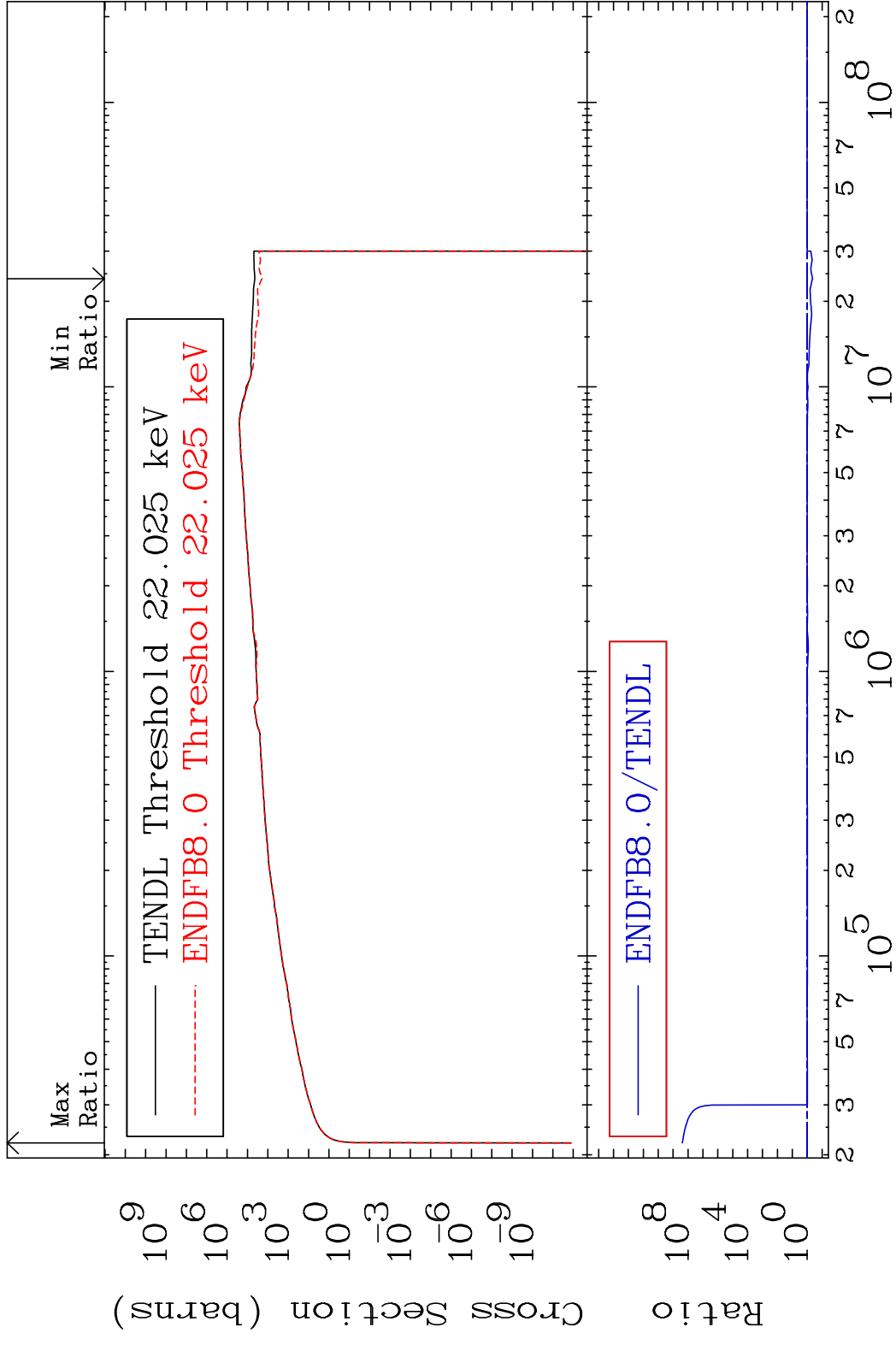
43-Tc-98

MAT 4322 Kerma non-elastic (all but mt2) 43-Tc-98
 Cross Section -92.70 To 9137. %

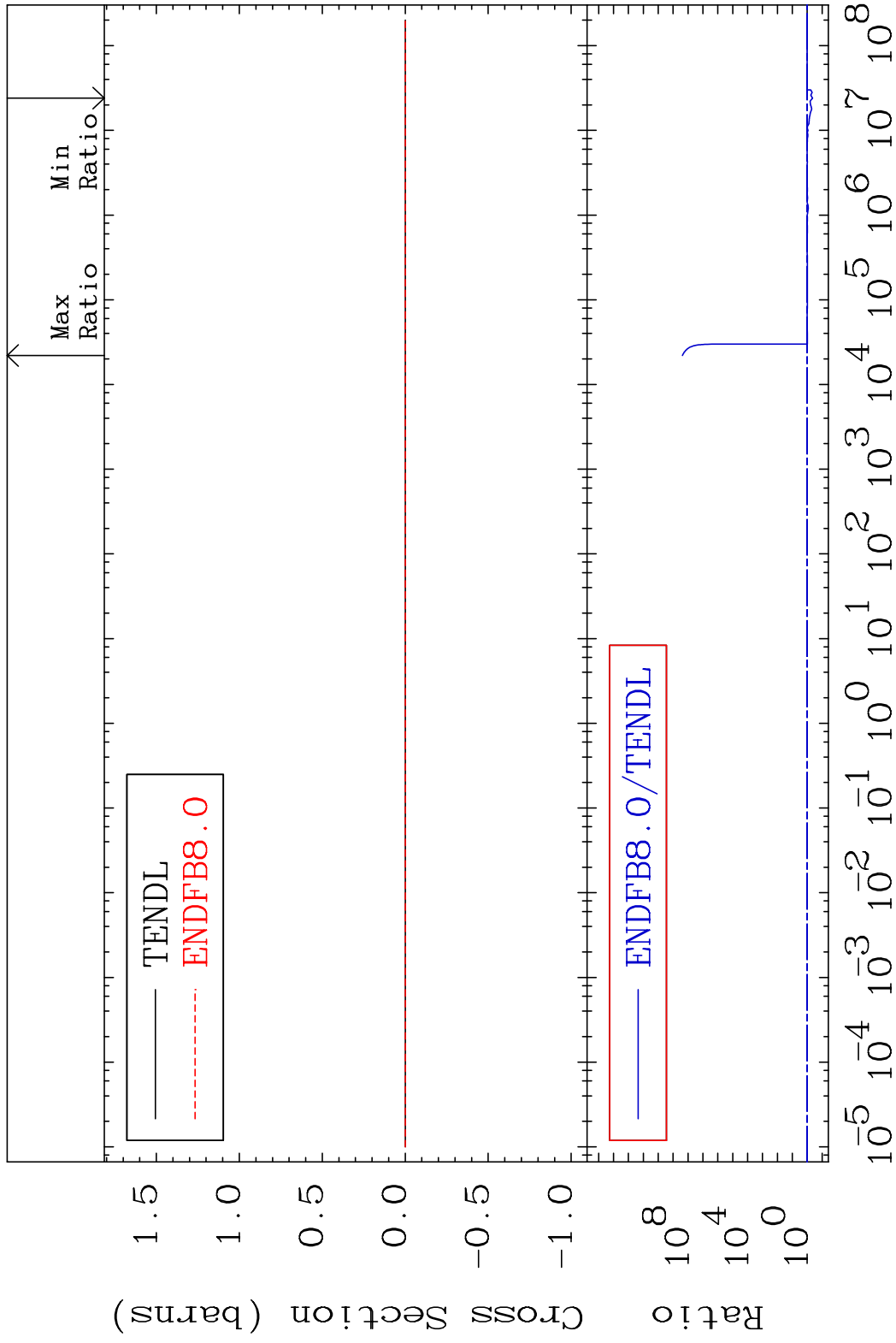


70 Incident Energy (eV) 43-Tc-98

MAT 4322 Kerma inelastic (mt51-91) 43-Tc-98
 Cross Section -56.20 To 9999. %

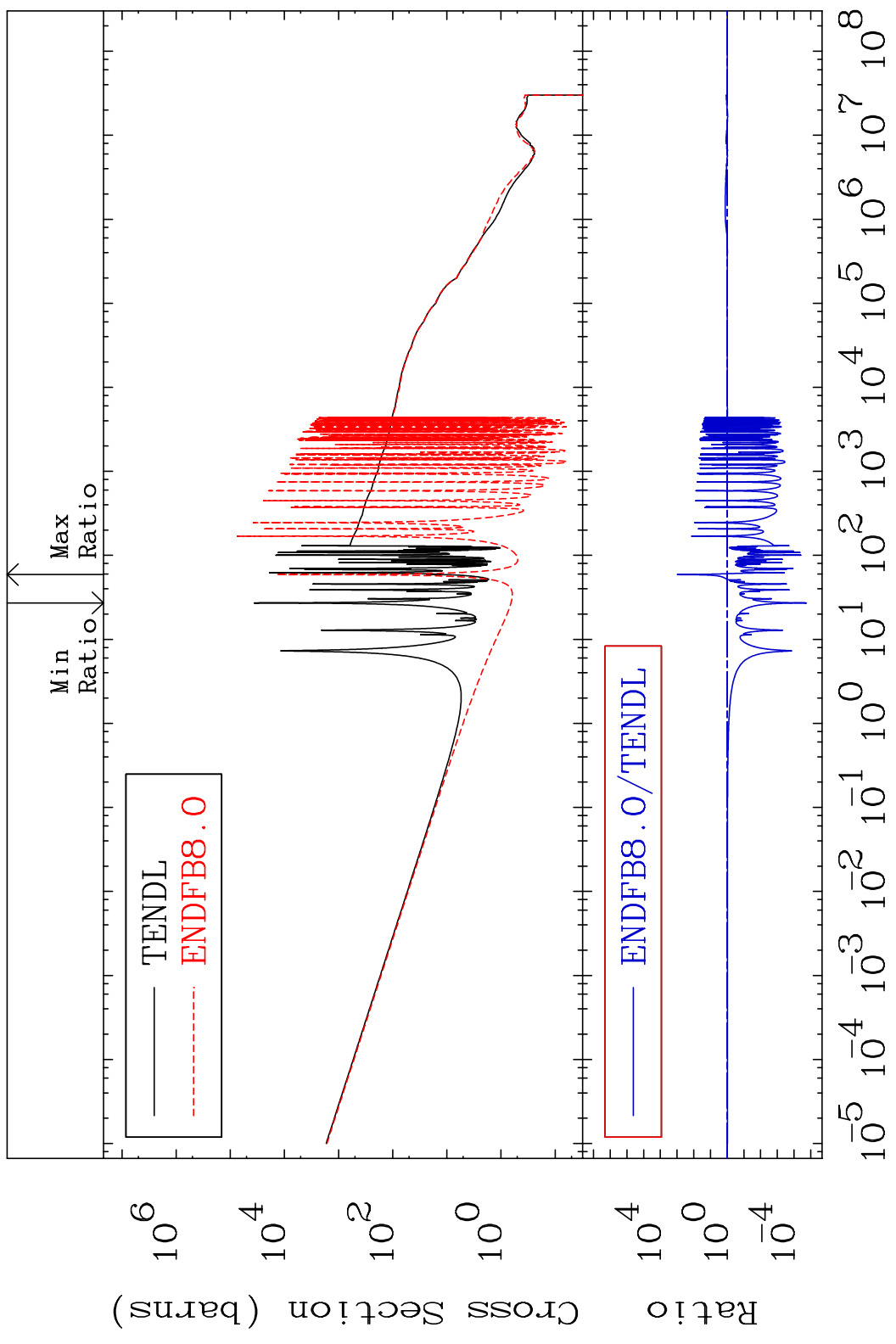


MAT 4322 Kerma fission (mt18 or mt19-20-21-38) 43-Tc-98
 Cross Section -56.20 To 9999. %



MAT 4322

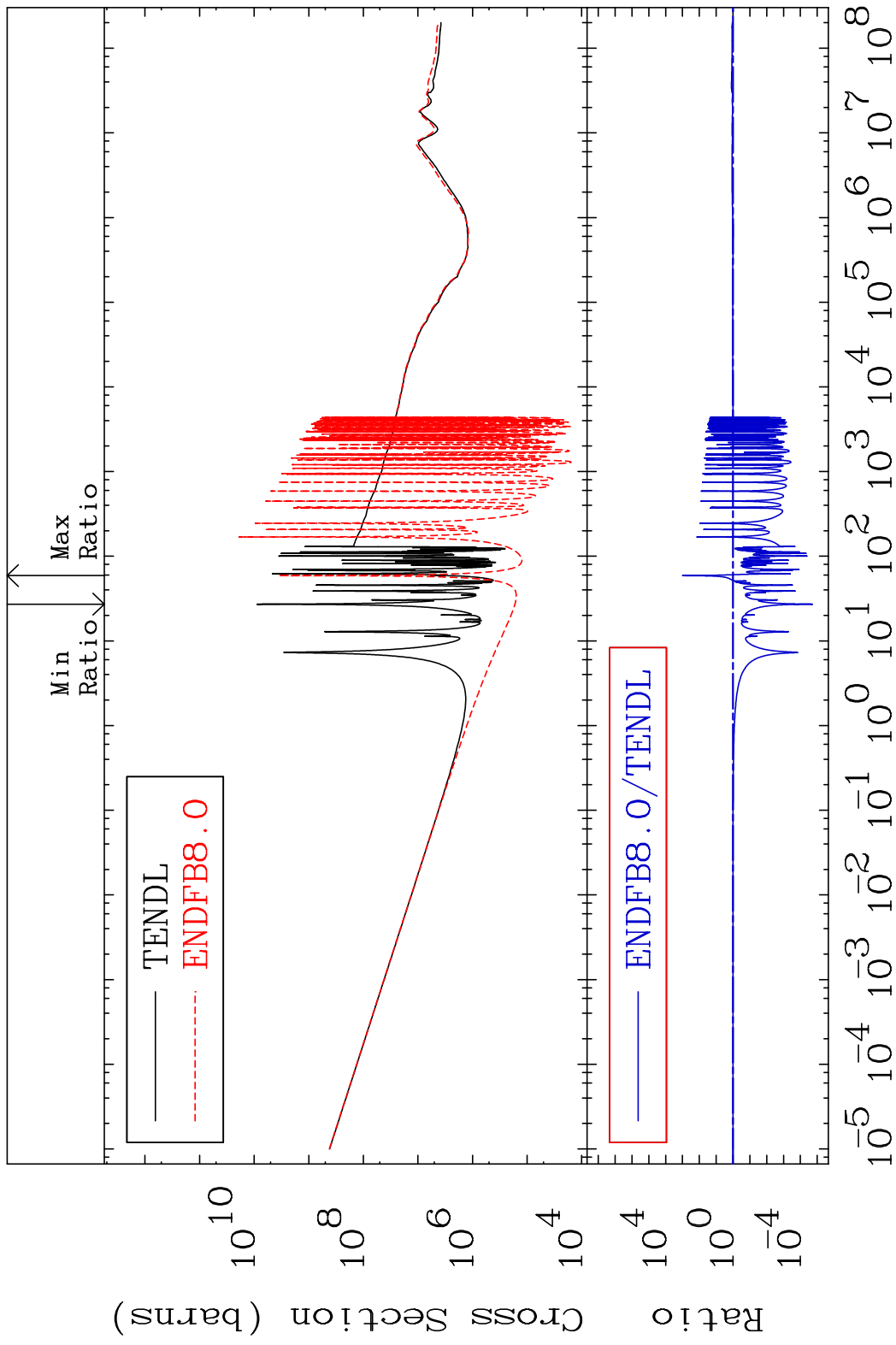
Kerma capture (mt102) 43-Tc-98
Cross Section -100.0 To 9999. %



73

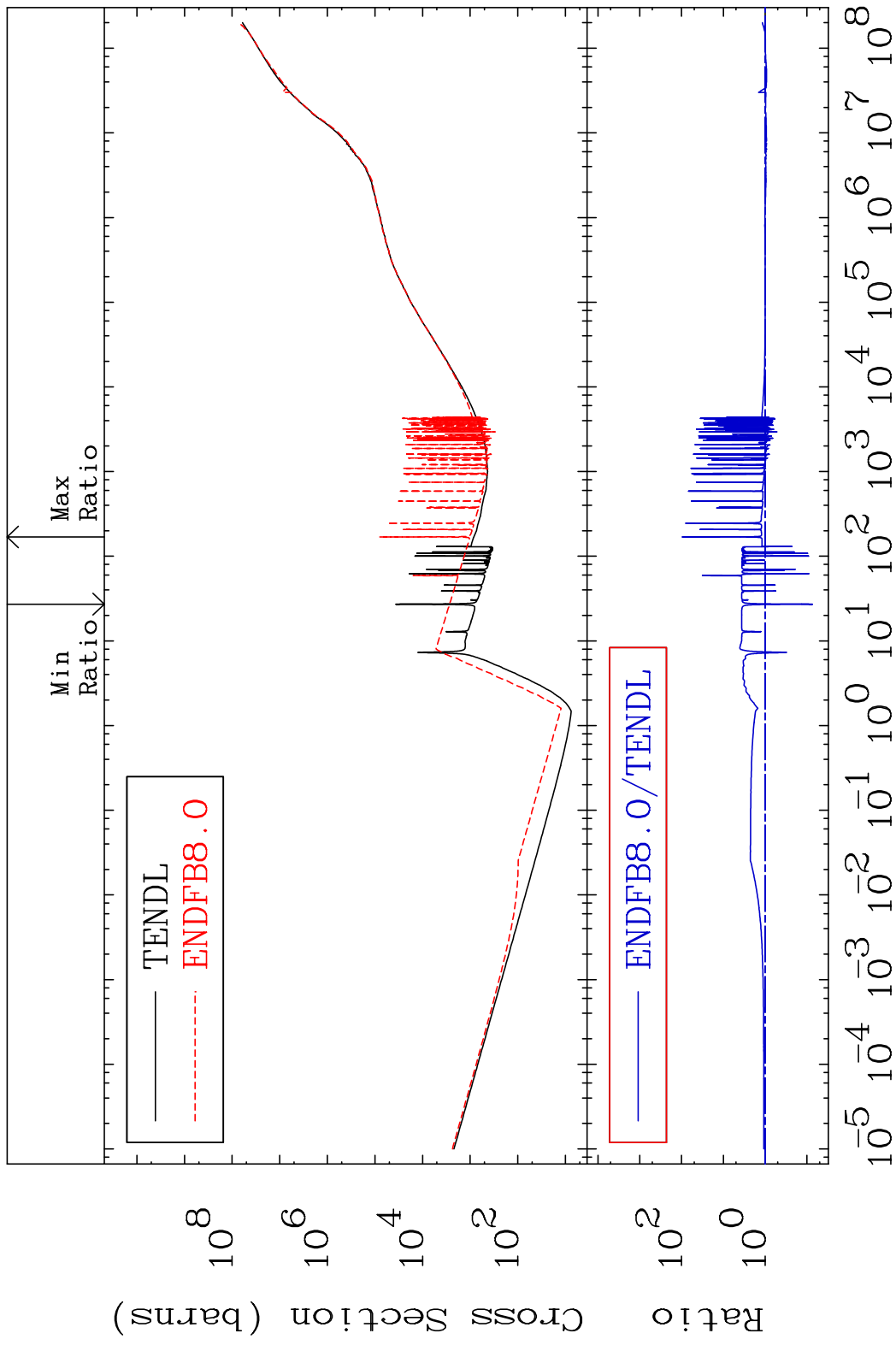
Incident Energy (eV) 43-Tc-98

MAT 4322 Total photon (eV-barns) 43-Tc-98
 Cross Section -100.0 To 9999. %



74 Incident Energy (eV) 43-Tc-98

MAT 4322 Total kinematic kerma (high limit) 43-Tc-98
 Cross Section -92.64 To 9474. %



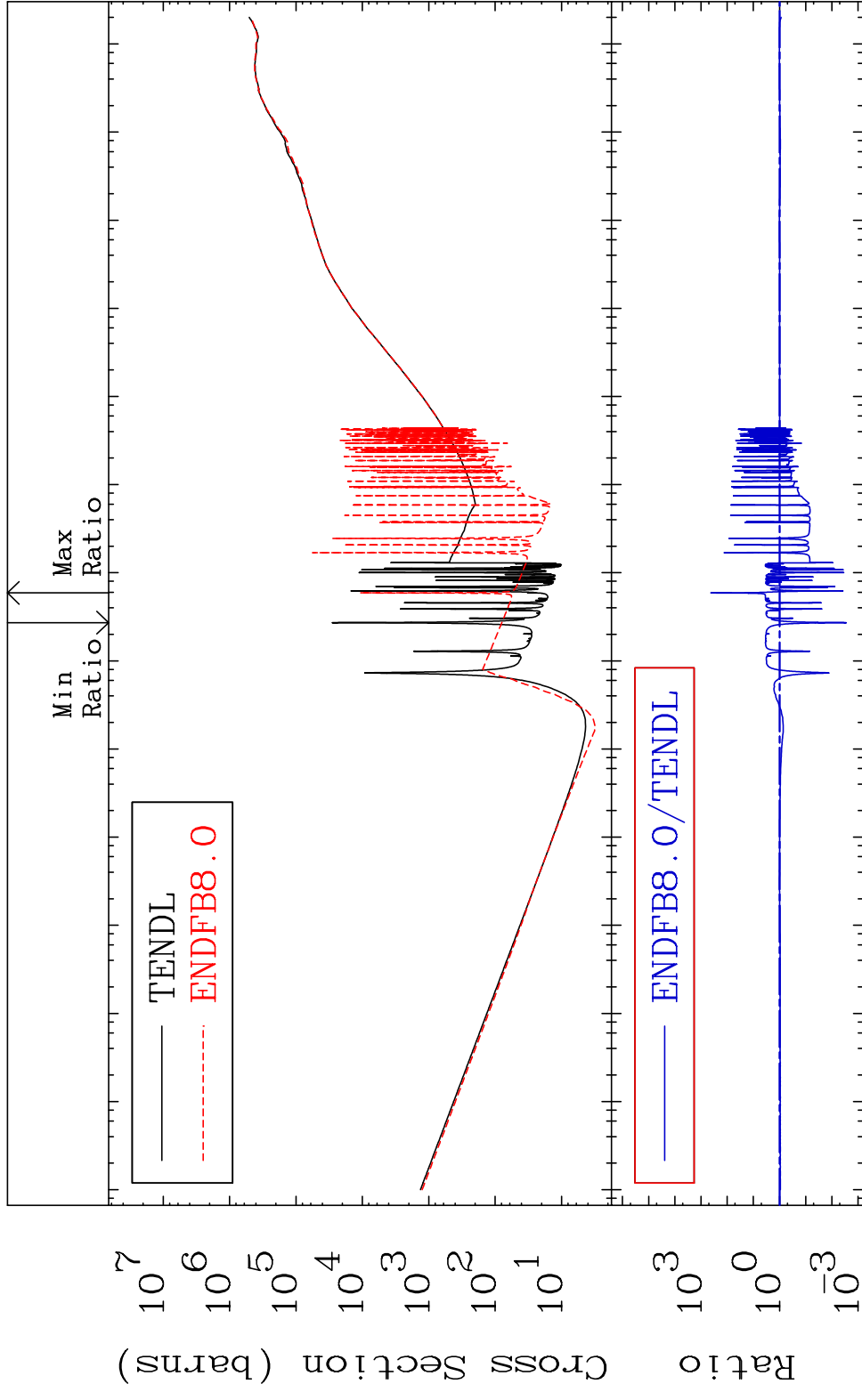
75 Incident Energy (eV) 43-Tc-98

MAT 4322

Dpa total (eV-barns)

43-Tc-98

Cross Section -99.72 To 9999. %



76

Incident Energy (eV)

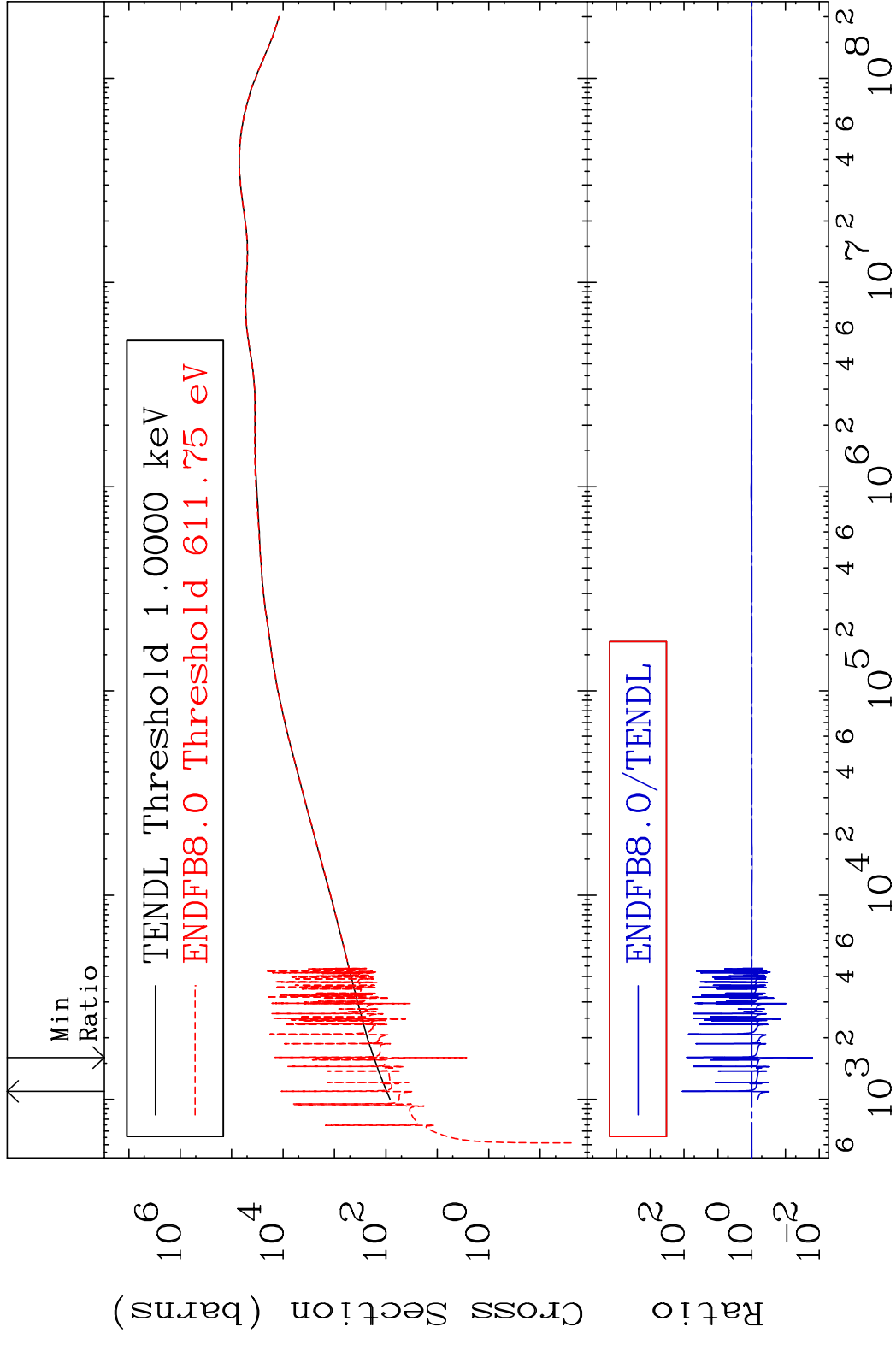
43-Tc-98

MAT 4322

Dpa elastic (mt2)

43-Tc-98

Cross Section -98.42 To 9999. %

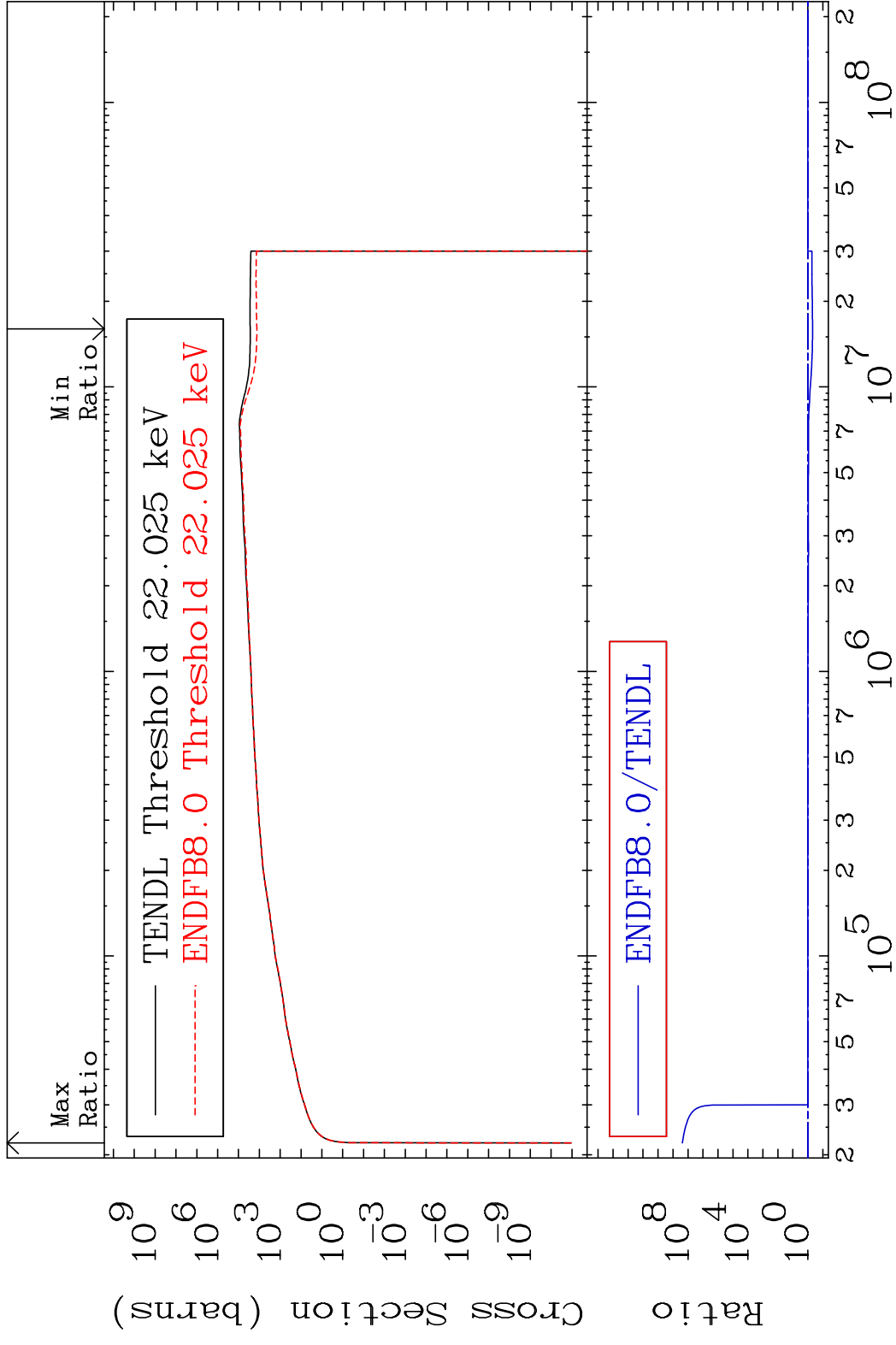


77

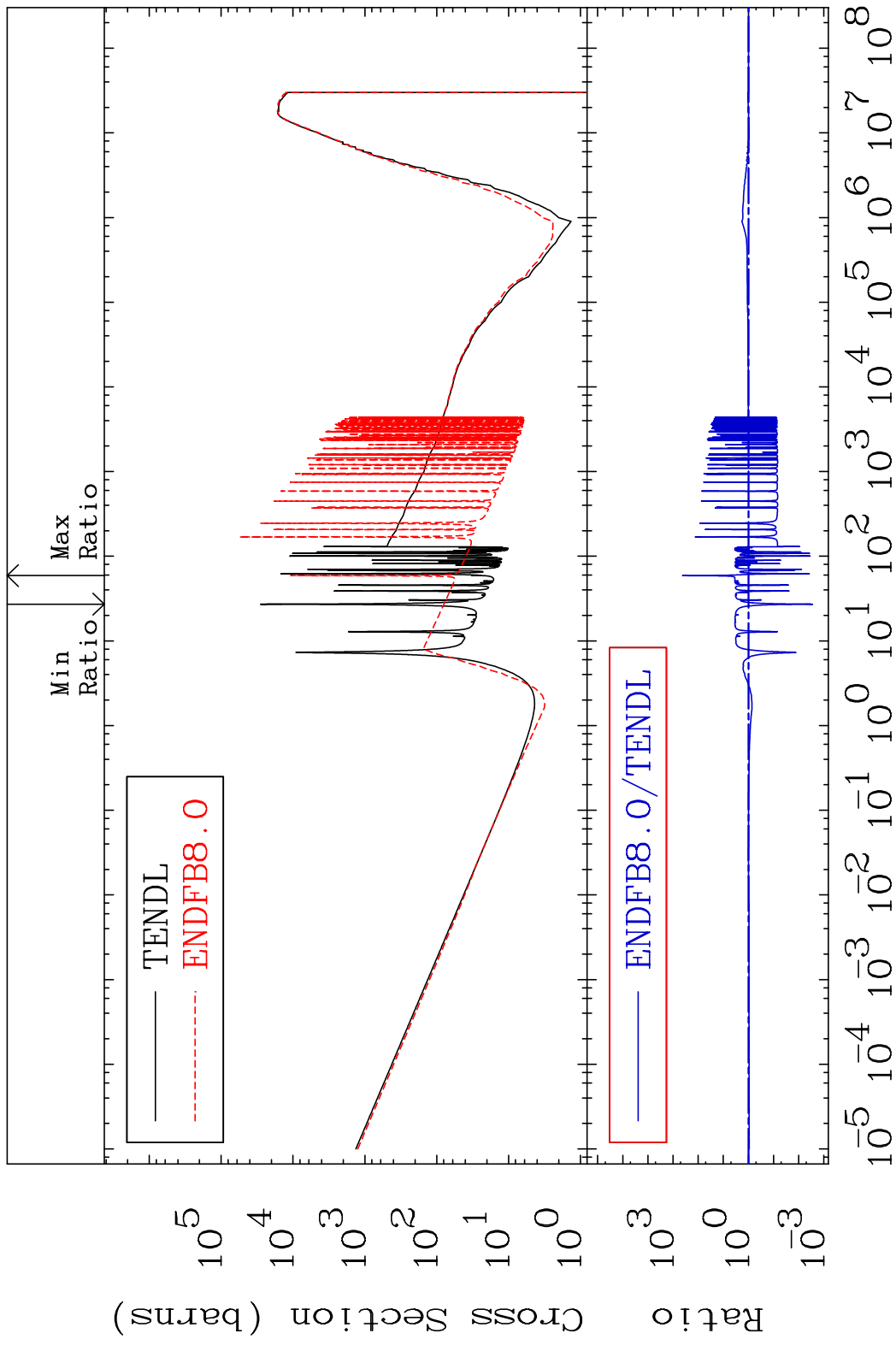
Incident Energy (eV)

43-Tc-98

MAT 4322 Dpa inelastic (mt51-91) 43-Tc-98
 Cross Section -51.82 To 9999. %

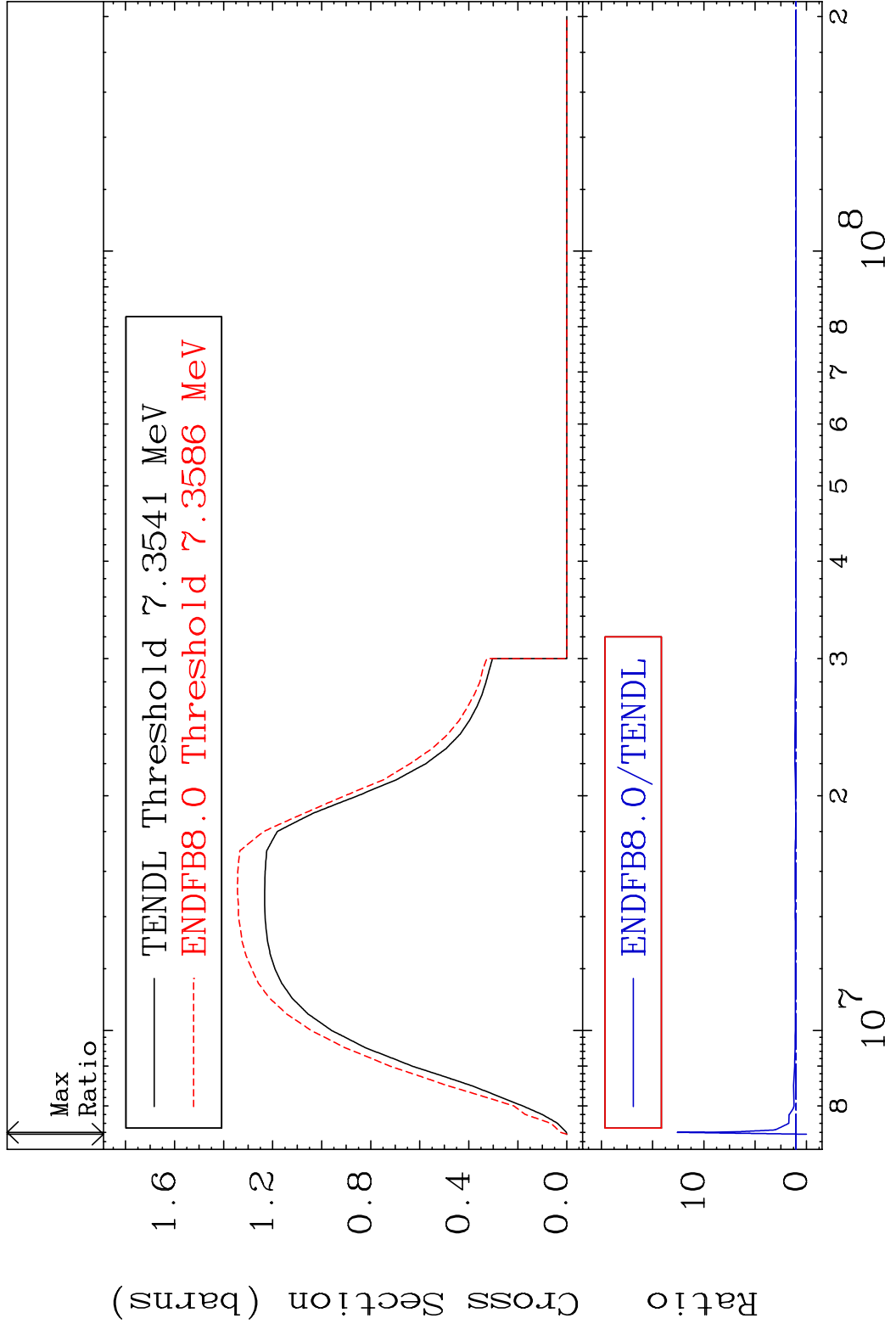


MAT 4322 Dpa disappearance (mt102 -120) 43-Tc-98
 Cross Section -99.72 To 9999. %

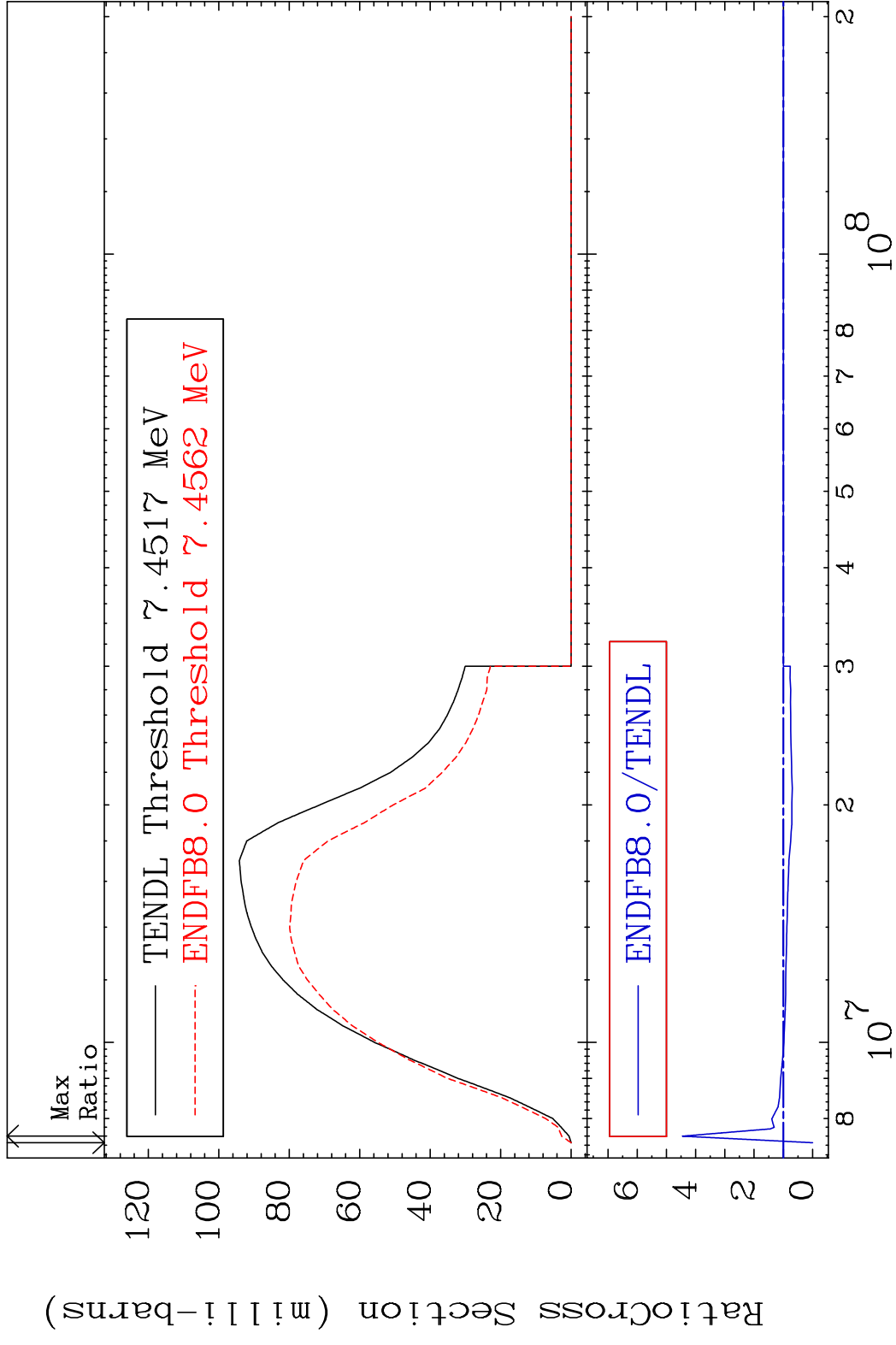


79 Incident Energy (eV) 43-Tc-98

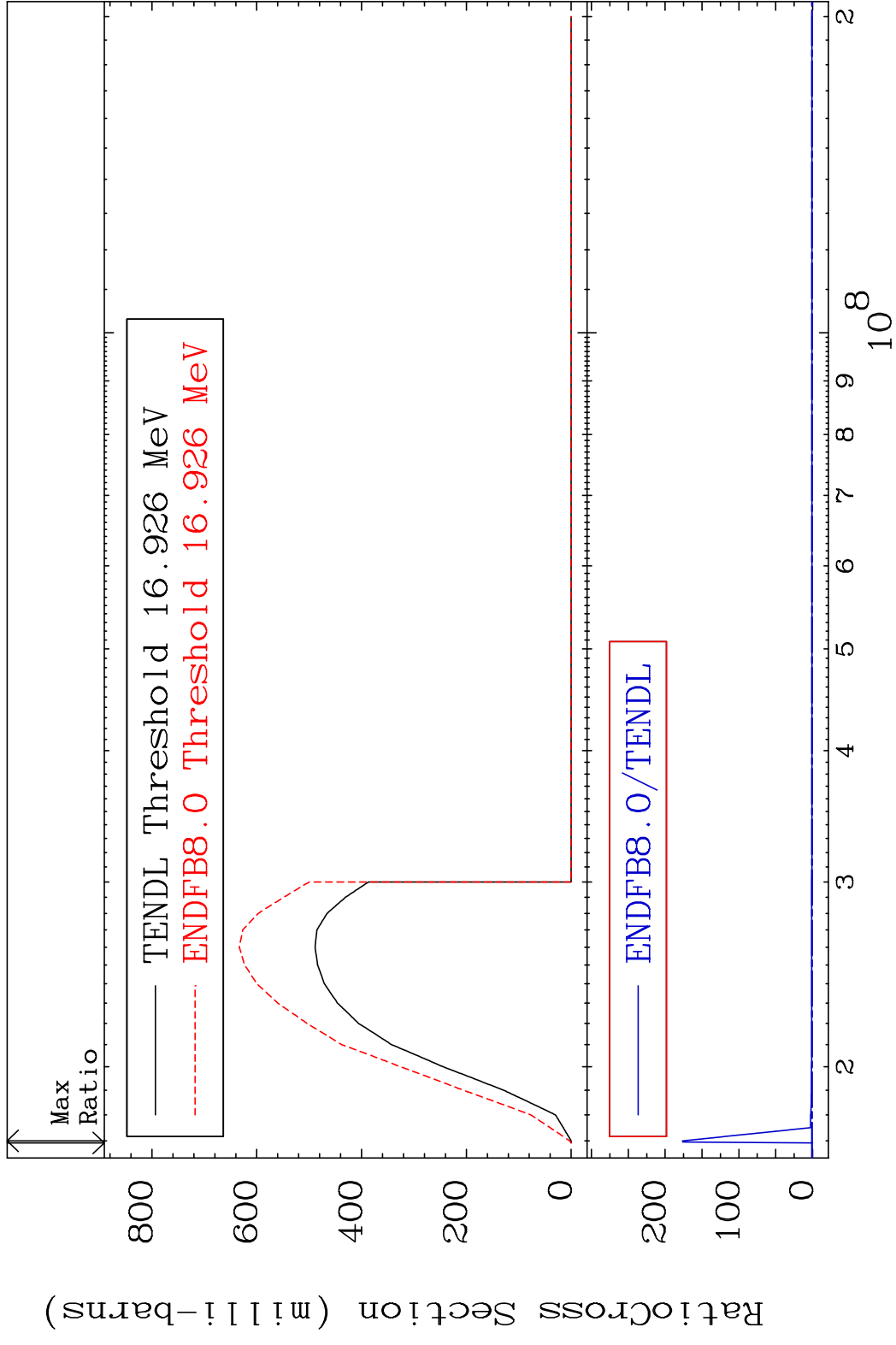
MAT 4322 (n,2n):43-Tc-97g 43-Tc-98
 Radionuclide Production Cross Section 180.0 dth 1160. %



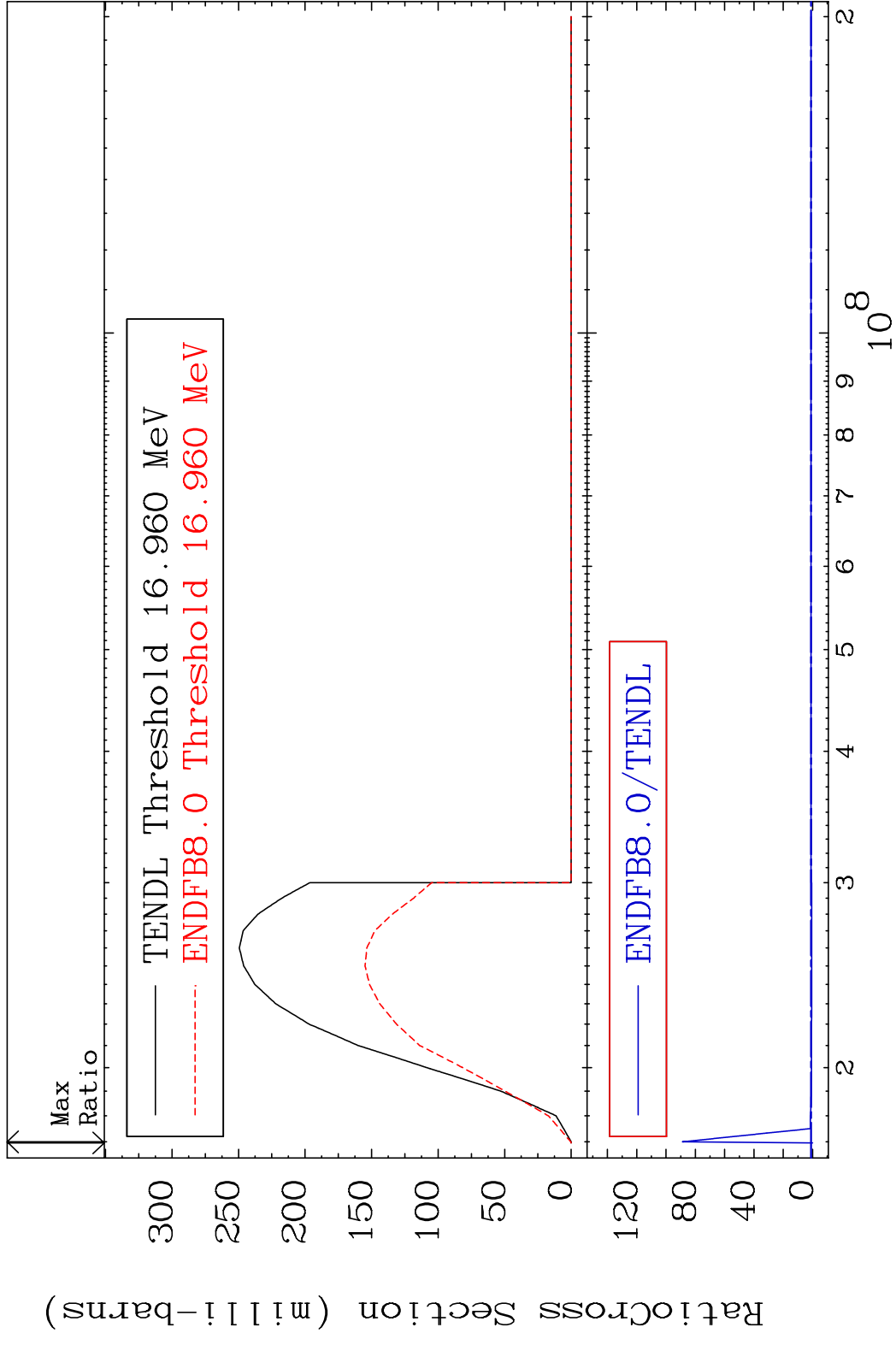
MAT 4322 (n,2n):43-Tc-97m1 43-Tc-98
 Radionuclide Production Cross Section Ratio 345.4 %

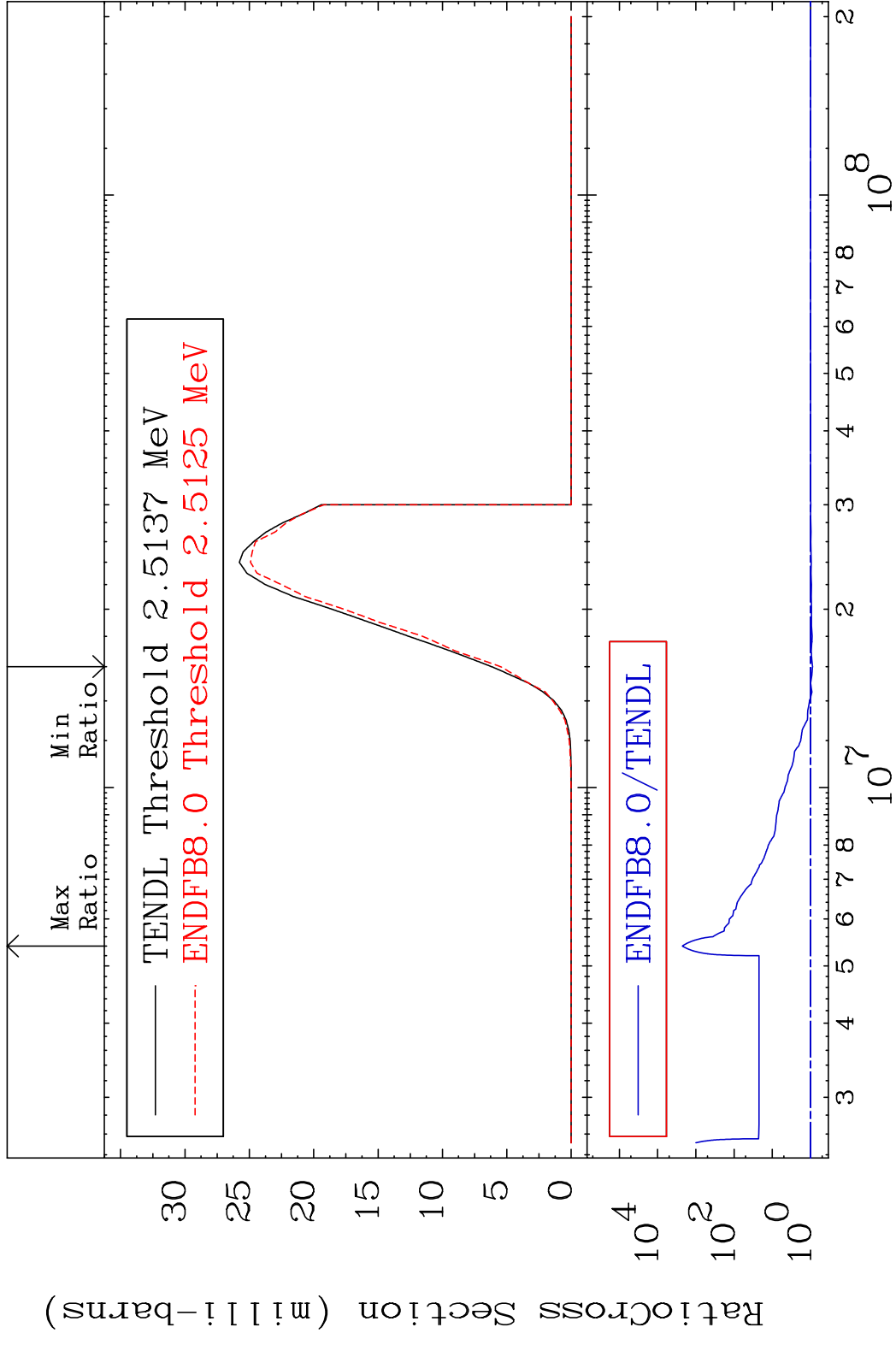


MAT 4322 (n,3n):43-Tc-96g 43-Tc-98
 Radionuclide Production Cross Section Ratio 9999. %

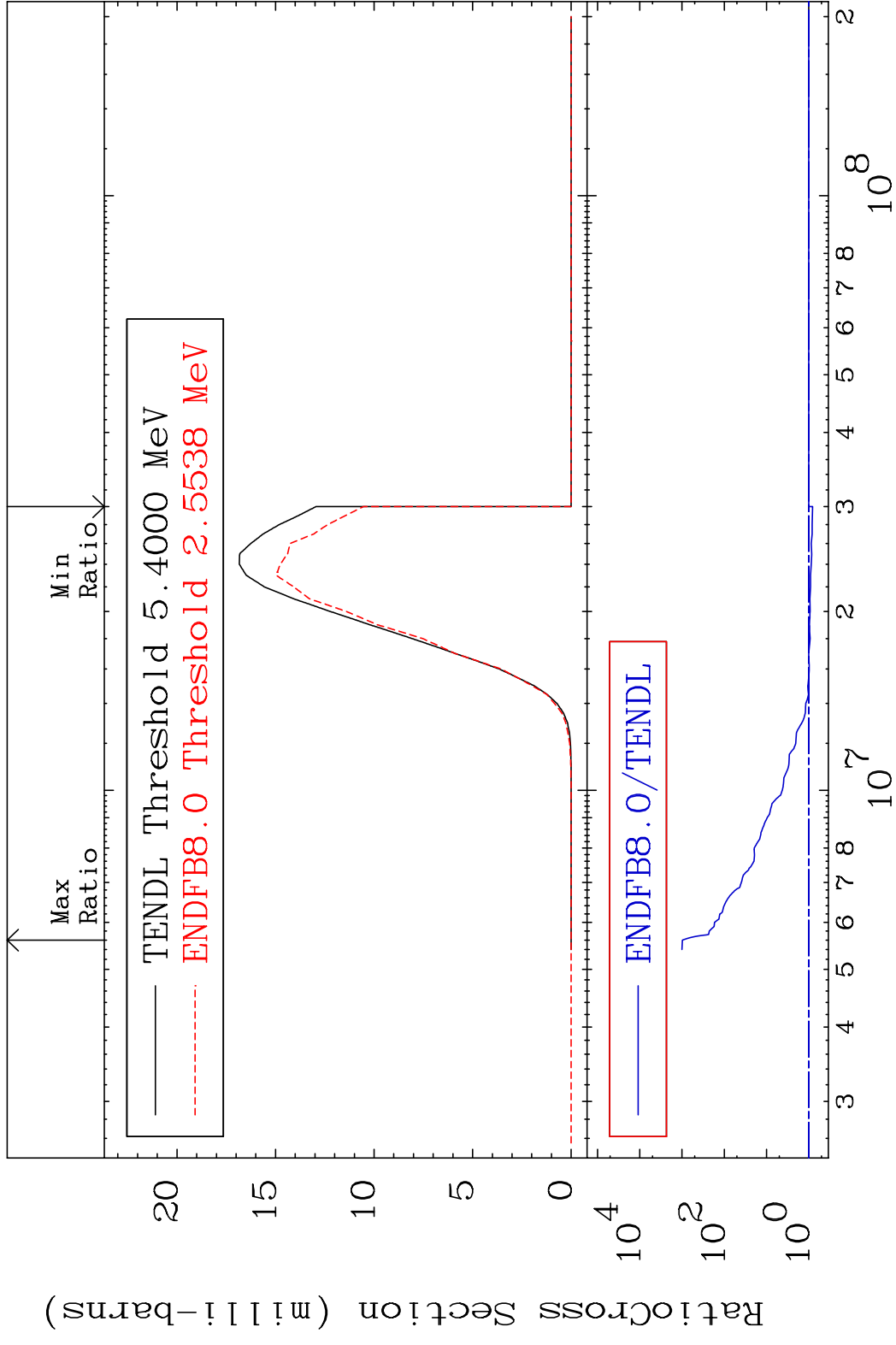


MAT 4322 (n,3n):43-Tc-96m1 43-Tc-98
 Radionuclide Production Cross Section Ratio 8787. %

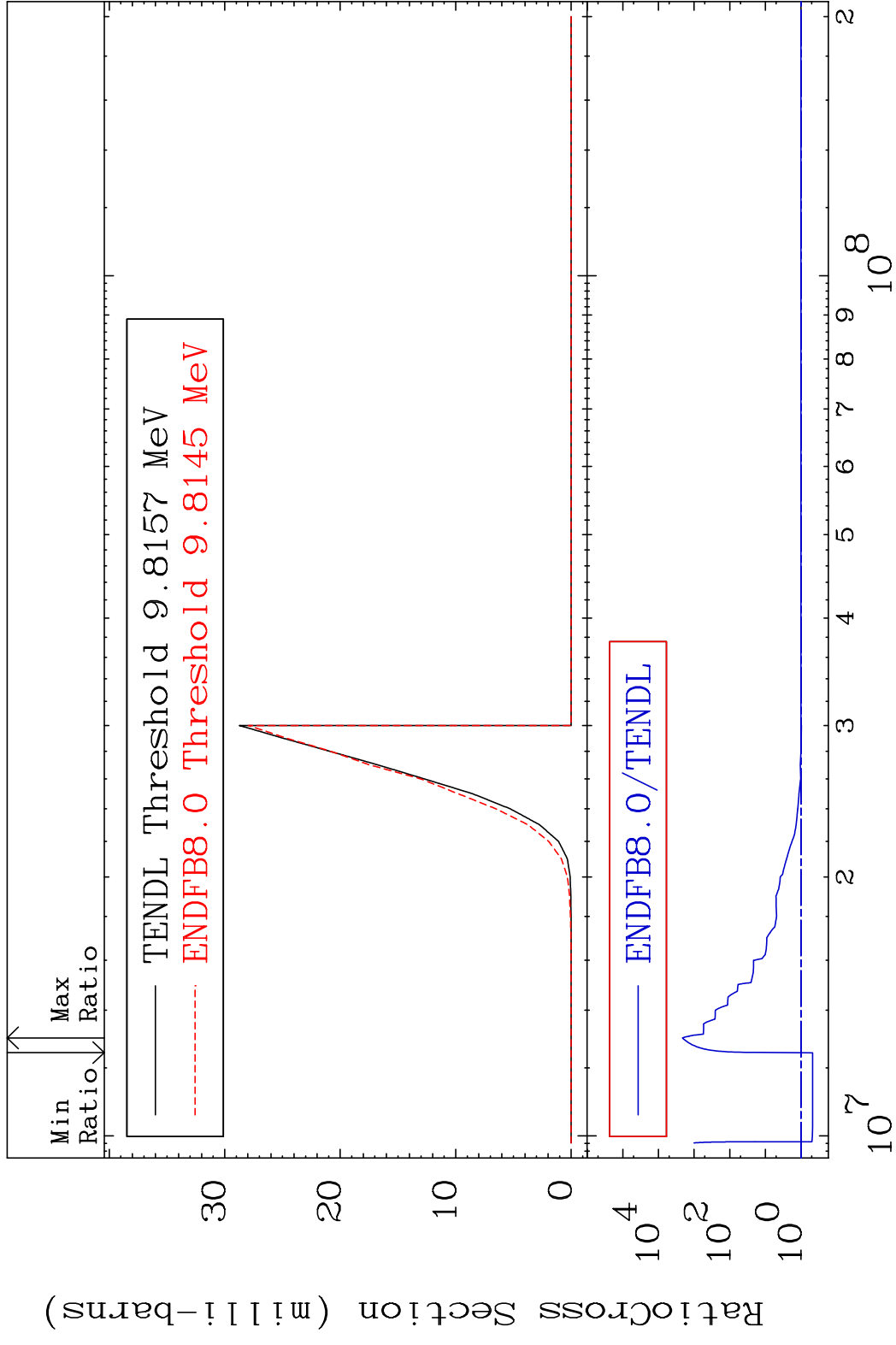




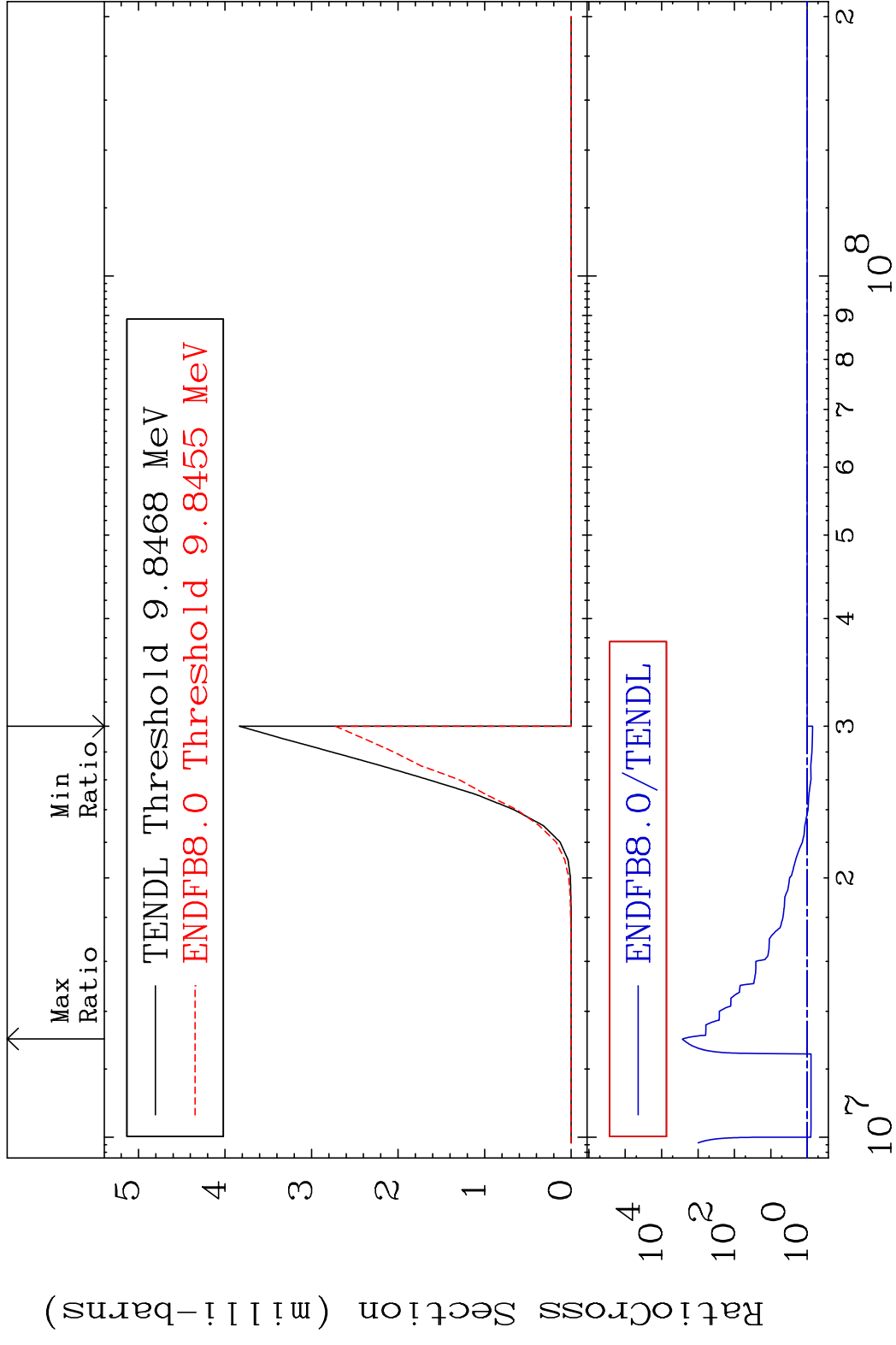
MAT 4322 (n, n') α :41-Nb-94m1 43-Tc-98
 Radionuclide Production Cross Section 18.571 d10 9999. %



MAT 4322 (n,2n) α :41-Nb-93g 43-Tc-98
 Radionuclide Production Cross Section to 9999. %

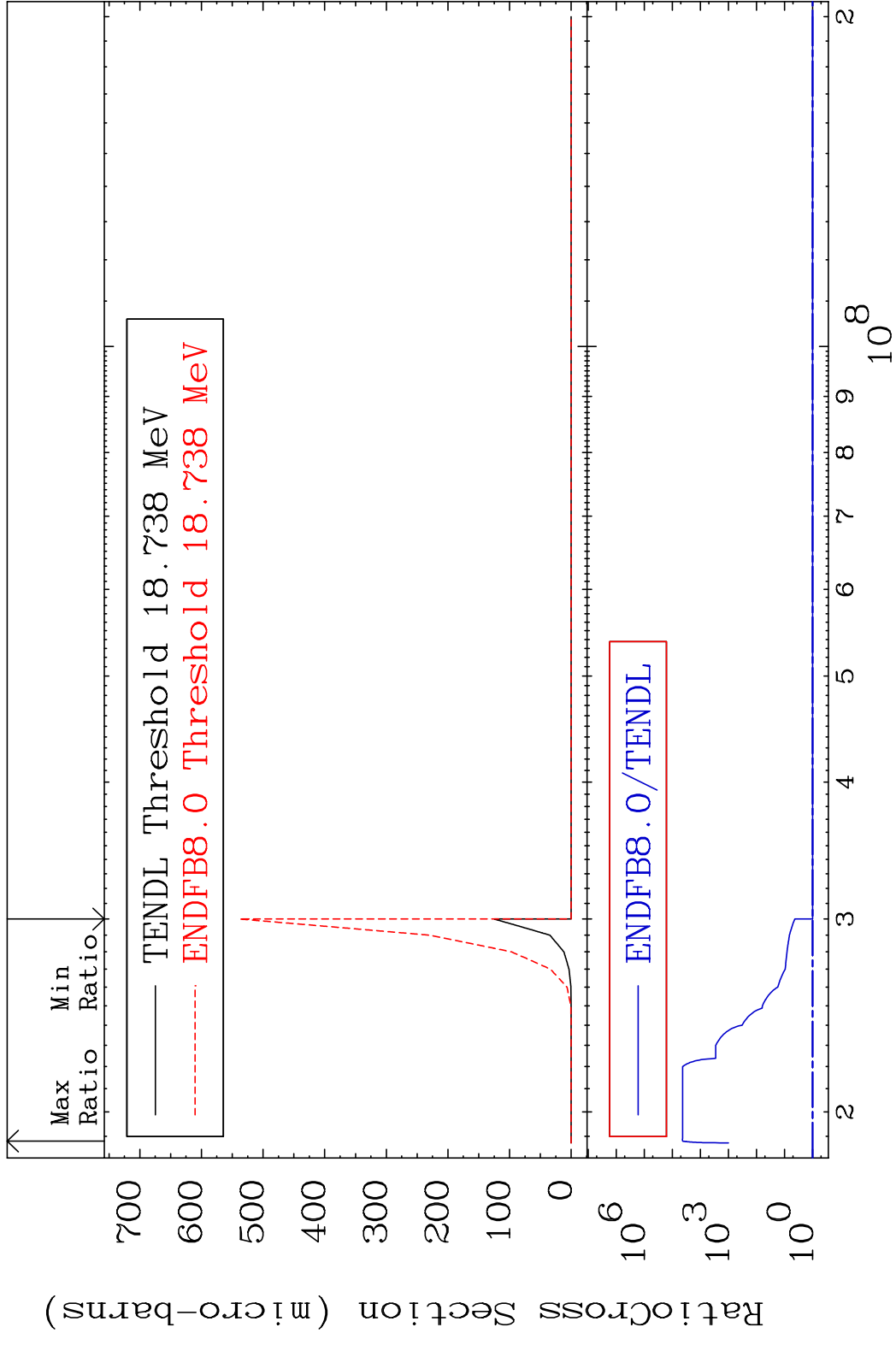


MAT 4322 (n,2n) α :41-Nb-93m1 43-Tc-98
 Radionuclide Production Cross Section Ratio 9999. %

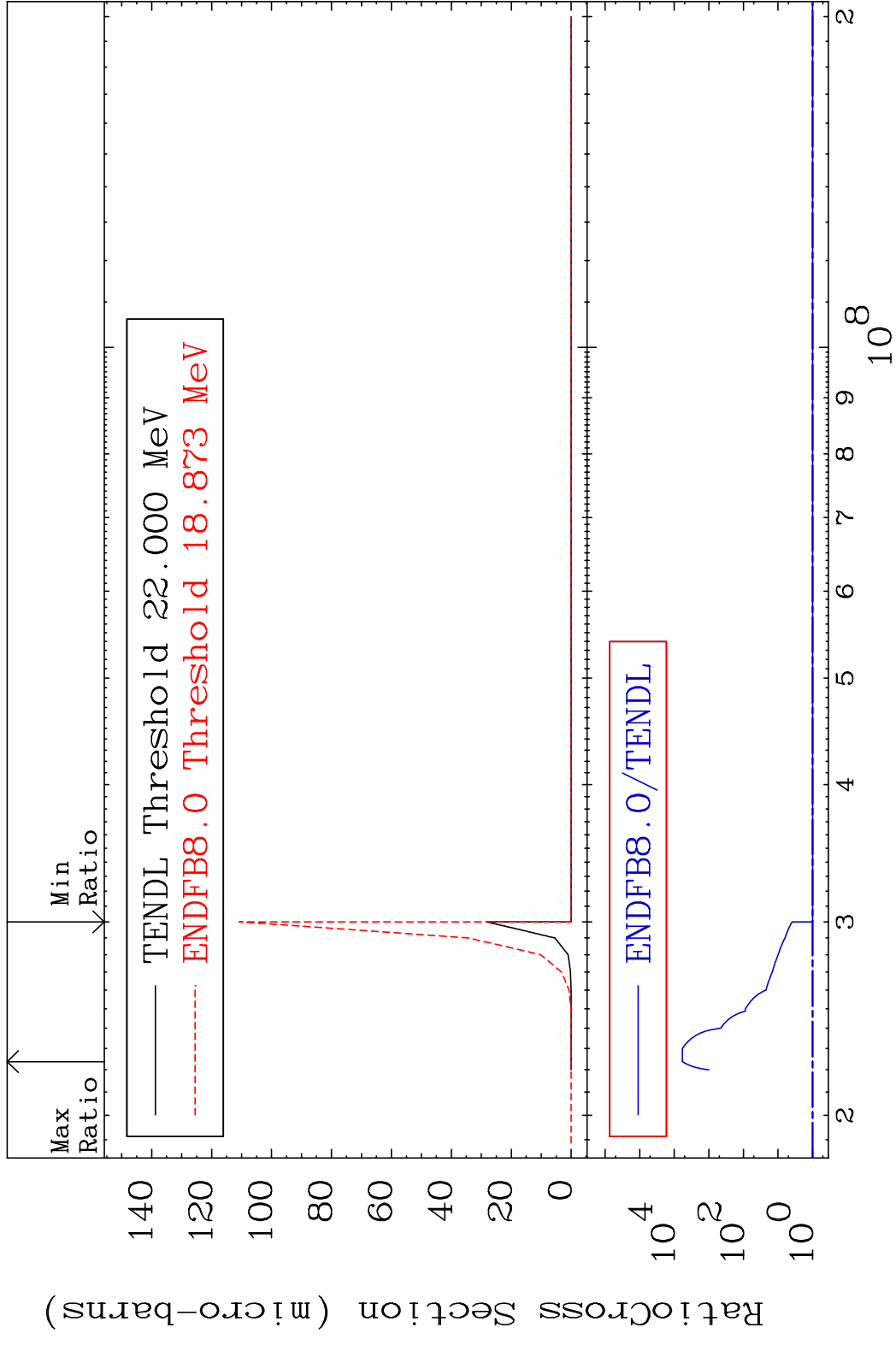


87 Incident Energy (eV) 43-Tc-98

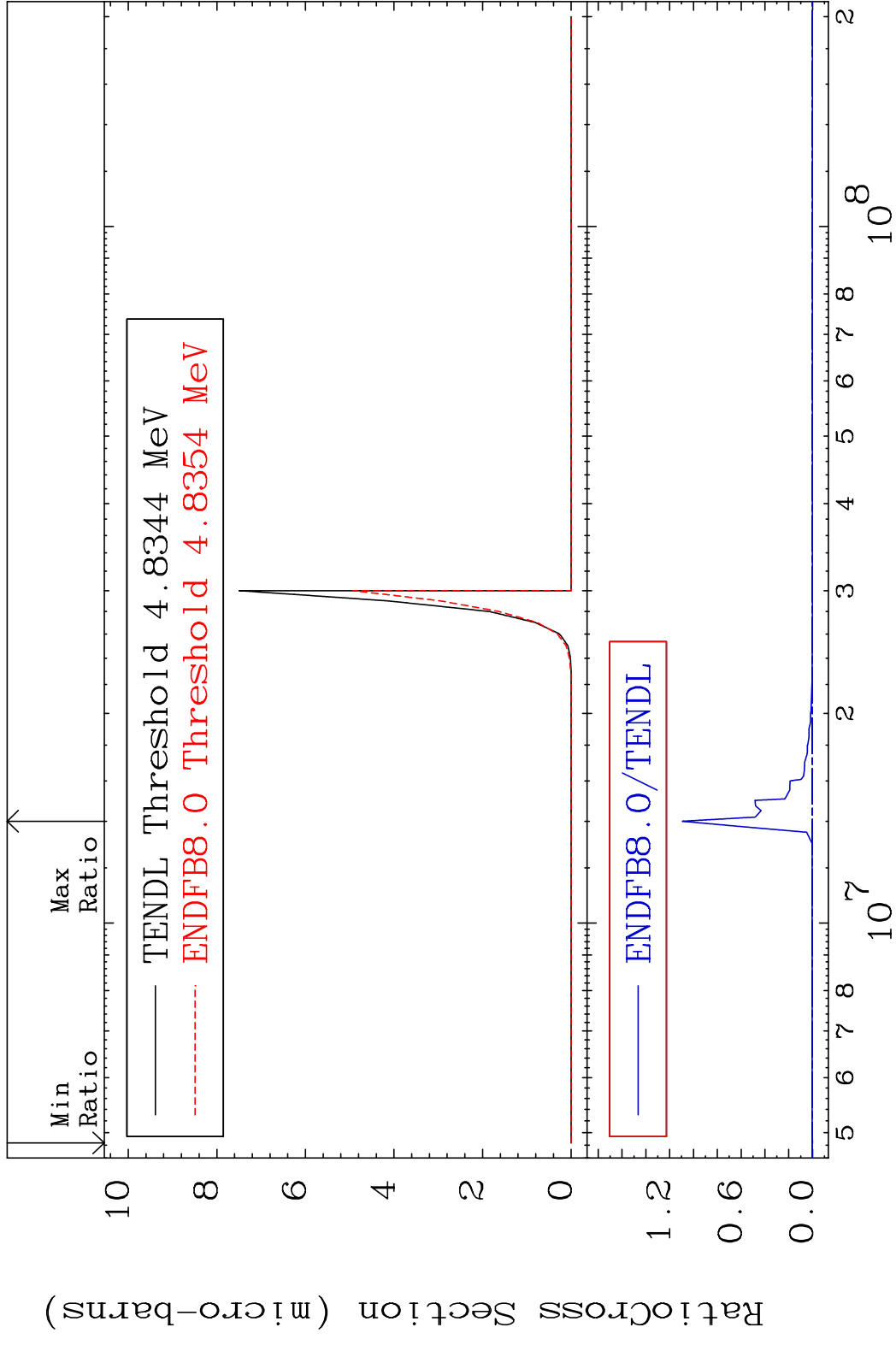
MAT 4322 (n,3n) α :41-Nb-92g 43-Tc-98
 Radionuclide Production Cross Section 9999. %

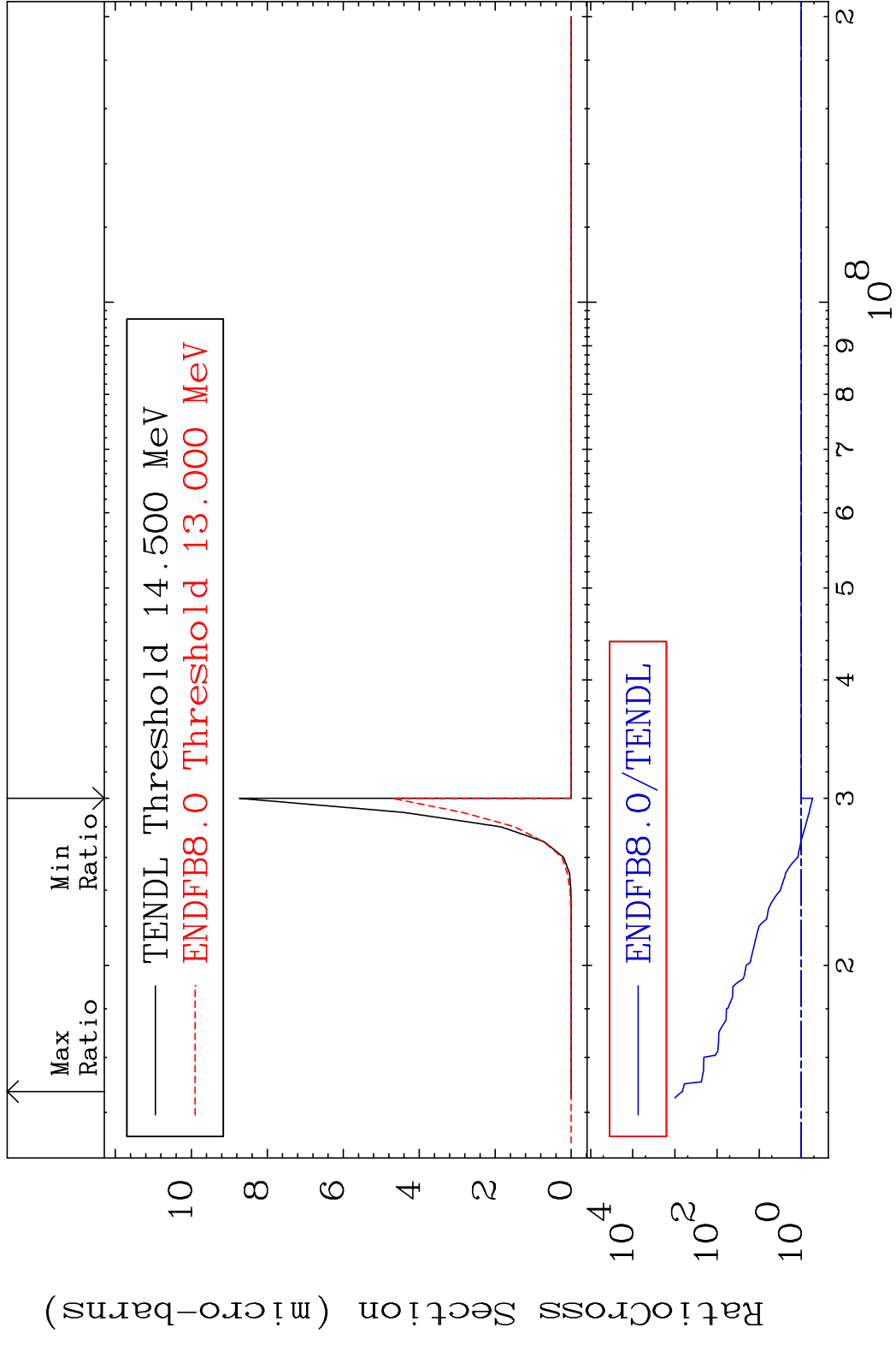


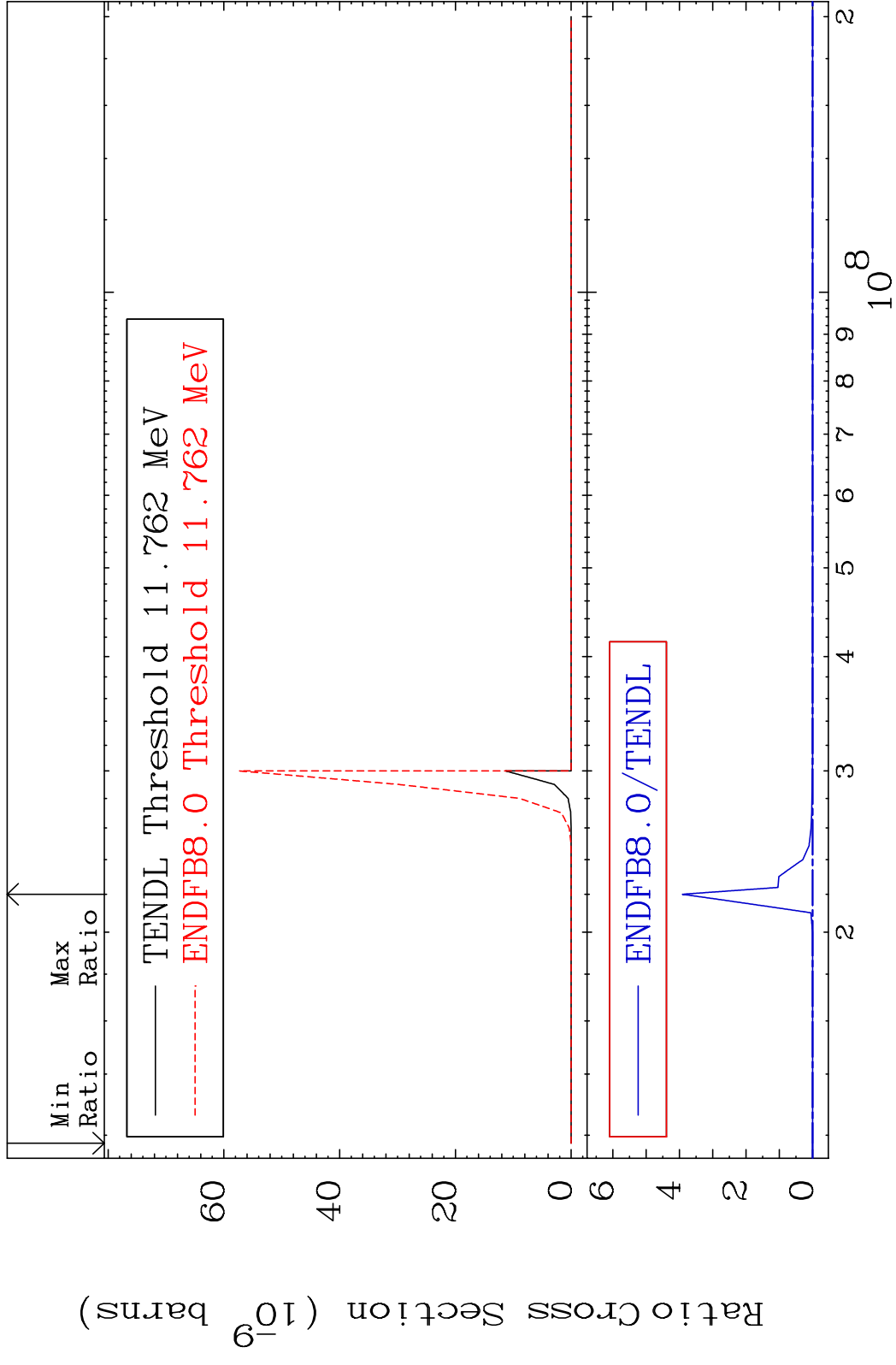
MAT 4322 (n,3n) α :41-Nb-92m1 43-Tc-98
 Radionuclide Production Cross Section 9999. %

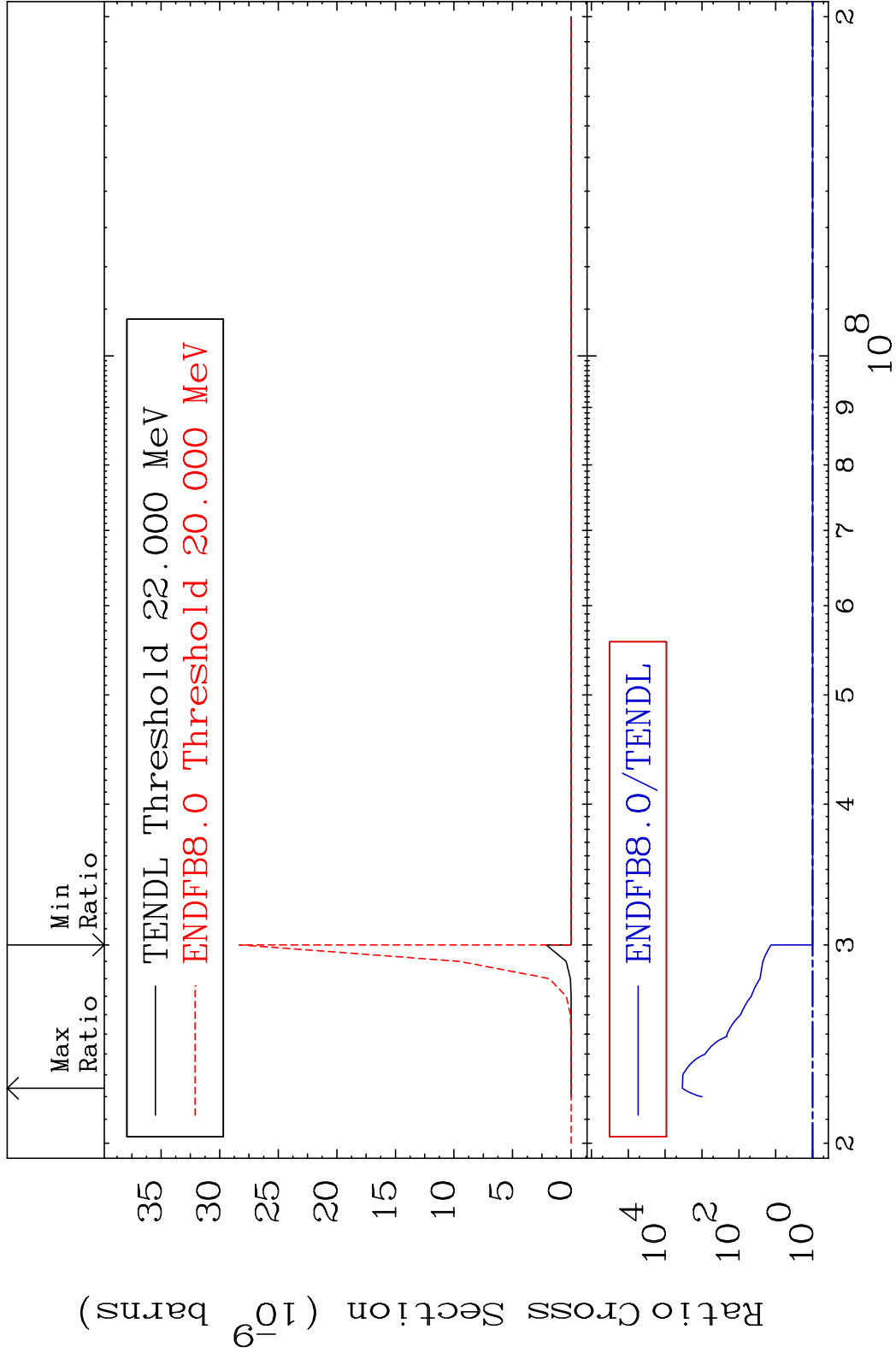


MAT 4322 (n, n') ^{239}Pu -90g 43-Tc-98
 Radionuclide Production Cross Section Ratio 9999. %

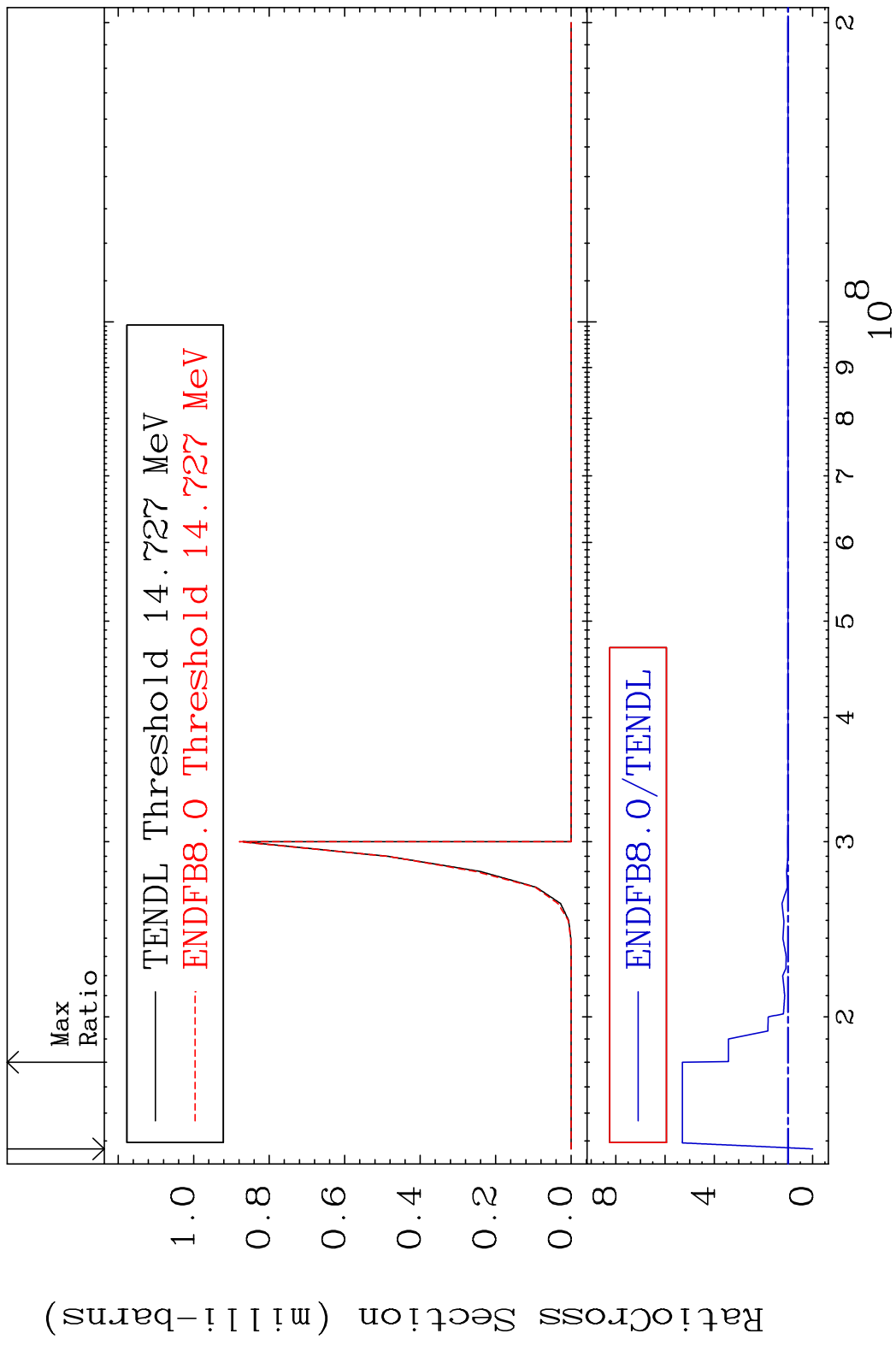


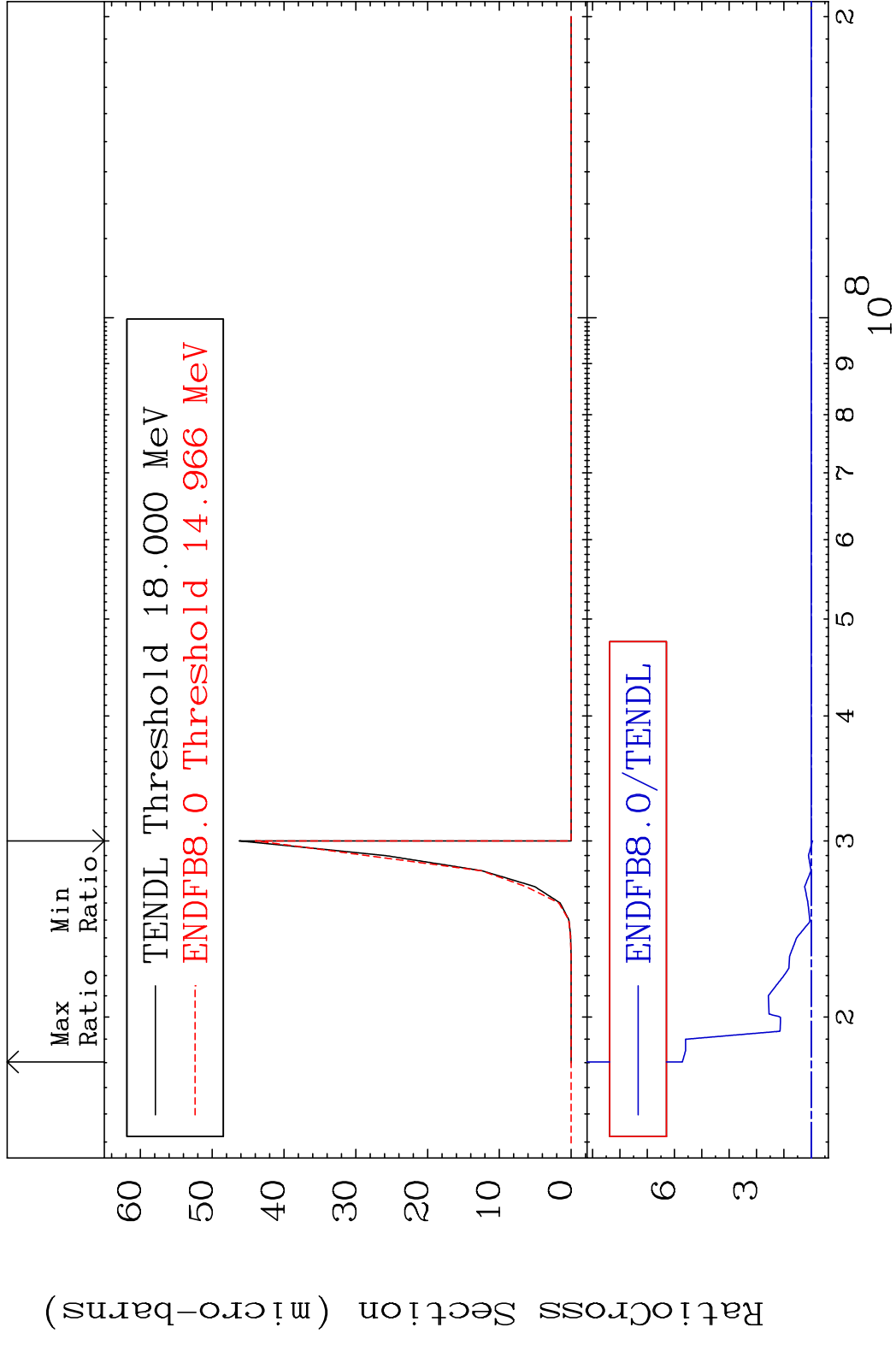


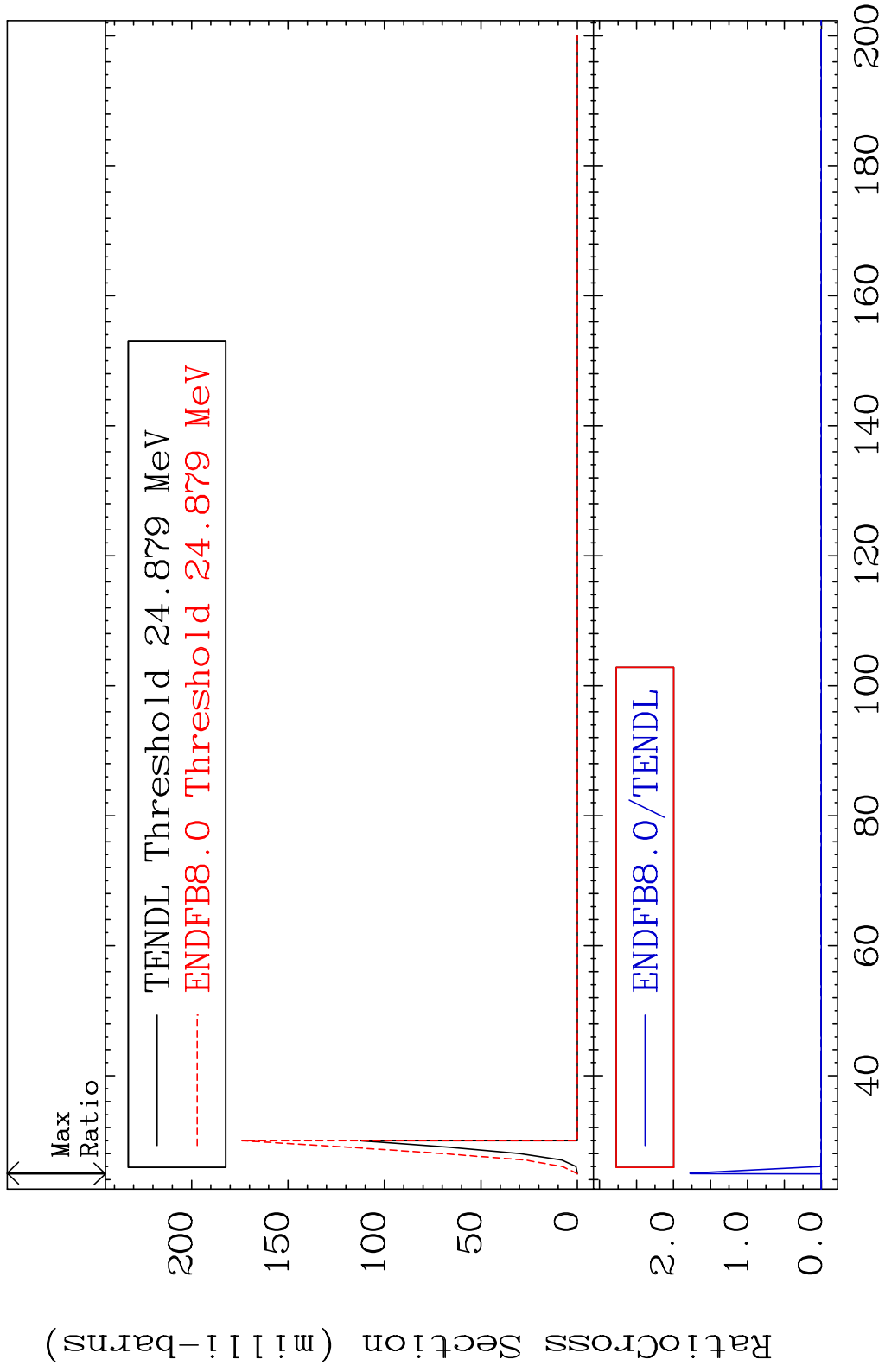




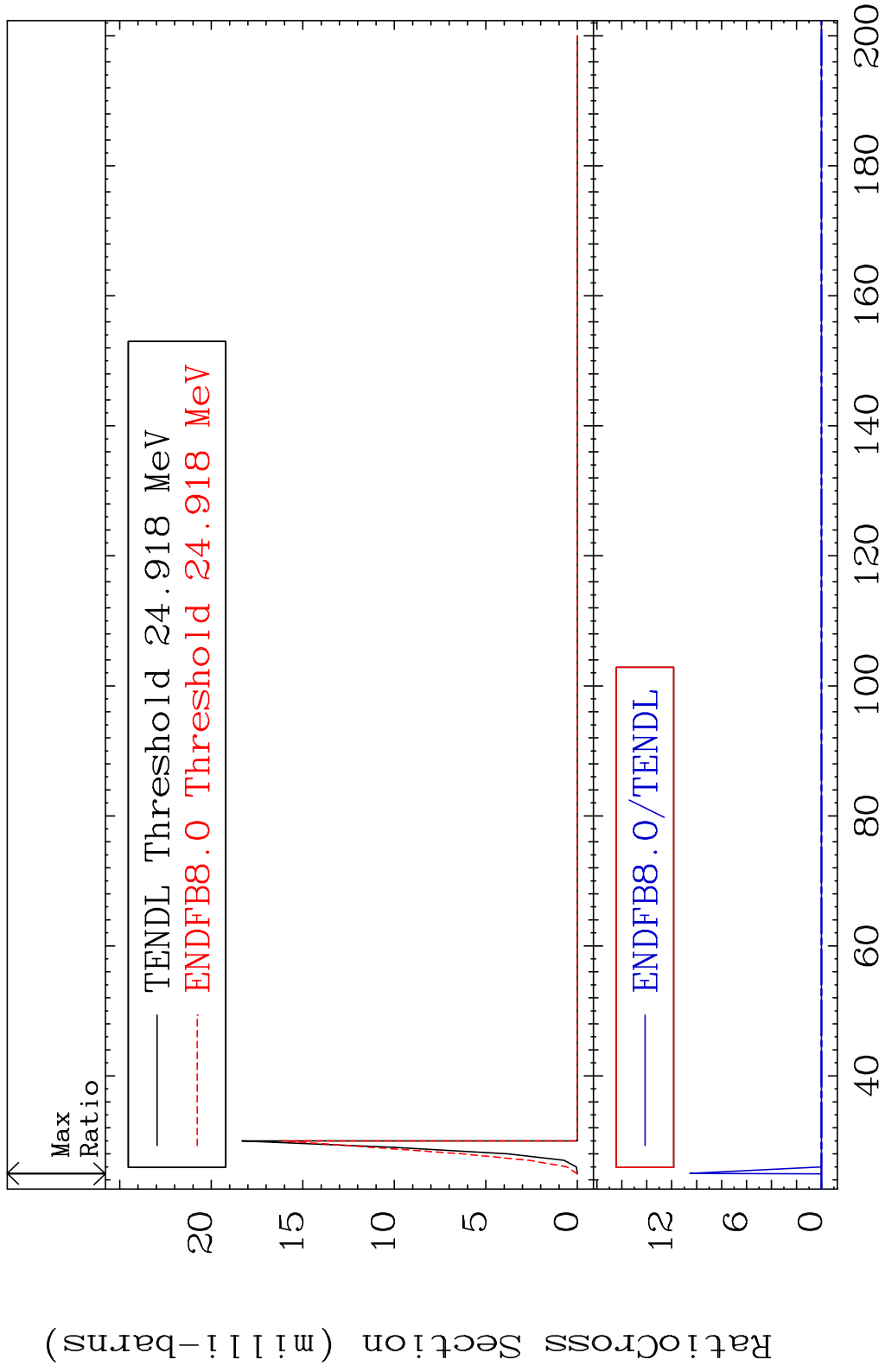
MAT 4322 (n, n') He-3:41-Nb-95g 43-Tc-98
 Radionuclide Production Cross Section 180.0 dth 429.5 %



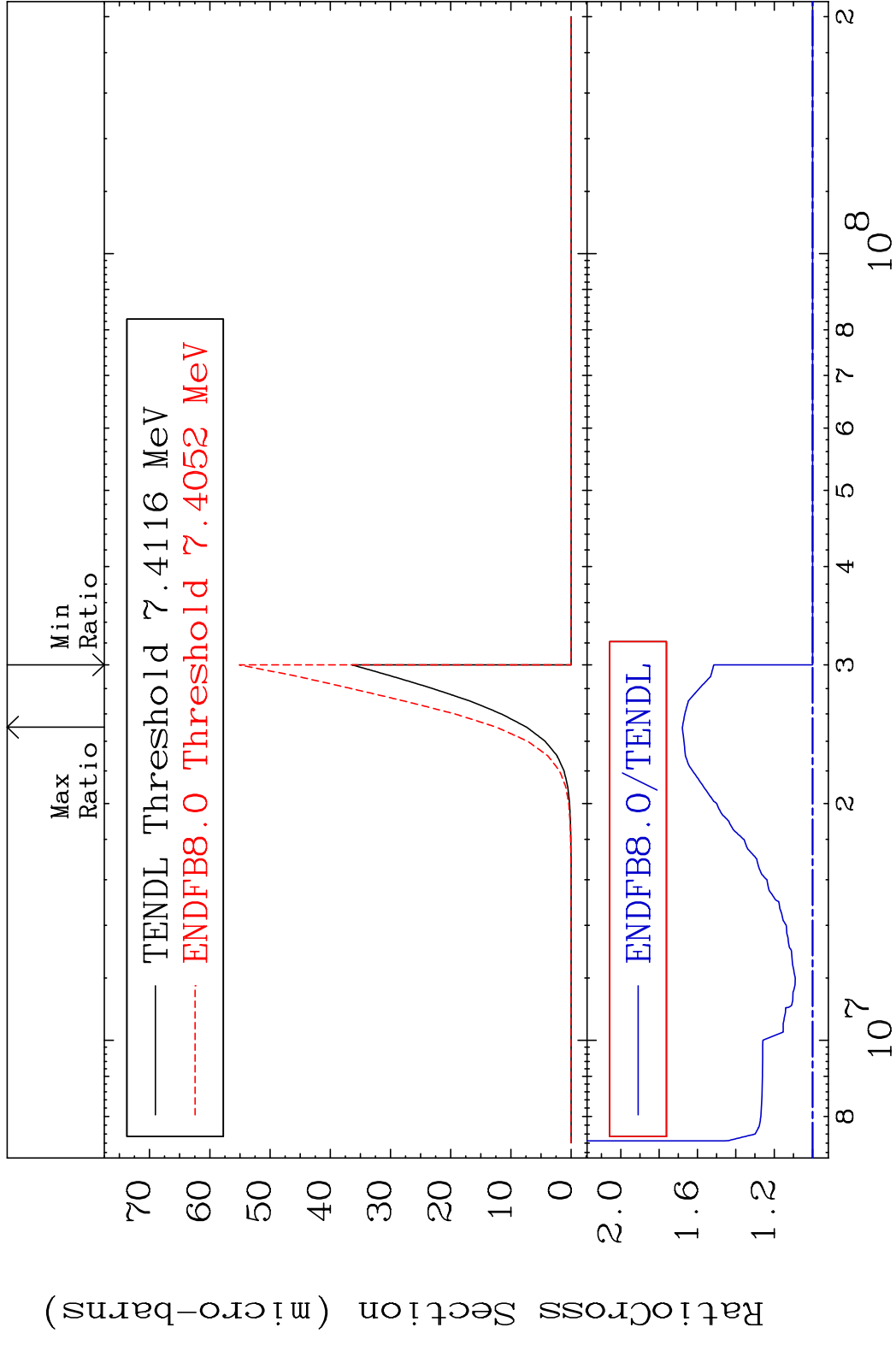




MAT 4322 (n,4n):43-Tc-95m1 43-Tc-98
 Radionuclide Production Cross Section Ratio 9999. %

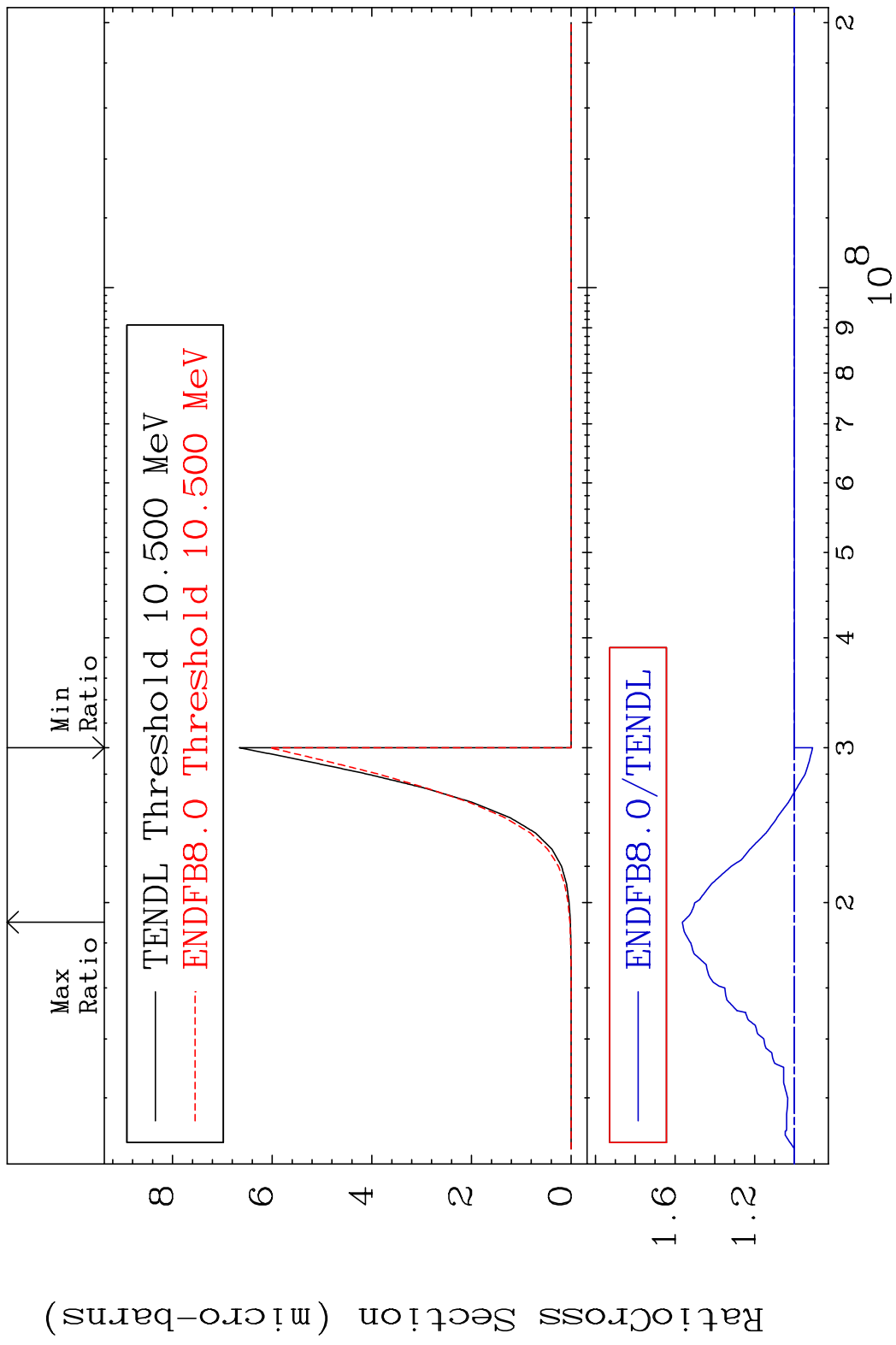


MAT 4322 (n,2p) : 41-Nb-97g 43-Tc-98
 Radionuclide Production Cross Section 67.87 %

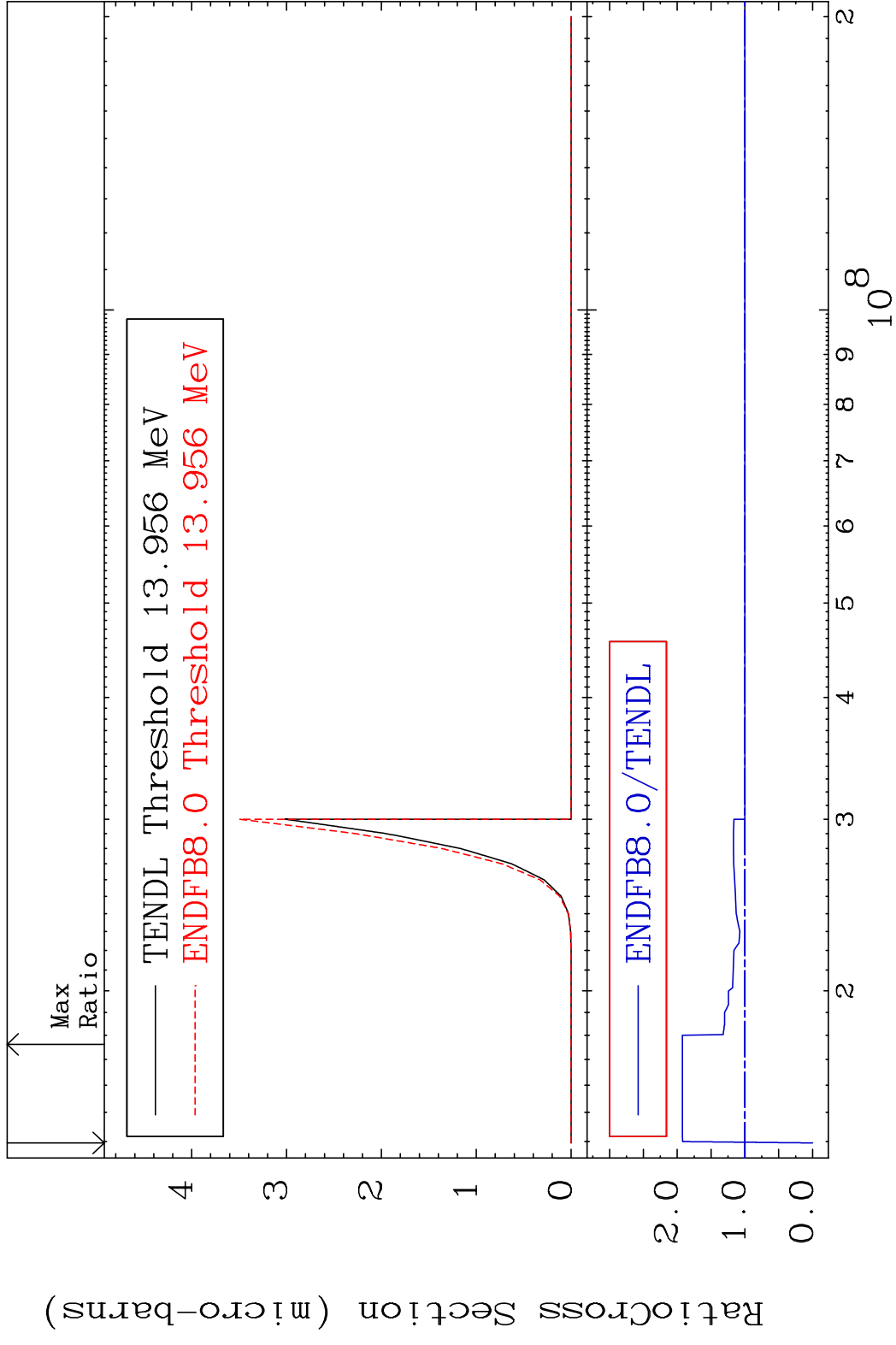


98 Incident Energy (eV) 43-Tc-98

MAT 4322 (n,2p):41-Nb-97m1 43-Tc-98
 Radionuclide Production Cross Section to 56.31 %



MAT 4322 (n, p) t:41-Nb-95g 43-Tc-98
 Radionuclide Production Cross Section 180.0 dth 92.43 %



MAT 4322 (n,p) t:41-Nb-95m1 43-Tc-98
 Radionuclide Production Cross Section 180.0 dno 126.4 %

