

Program Complot
(Version 2021-1)

by

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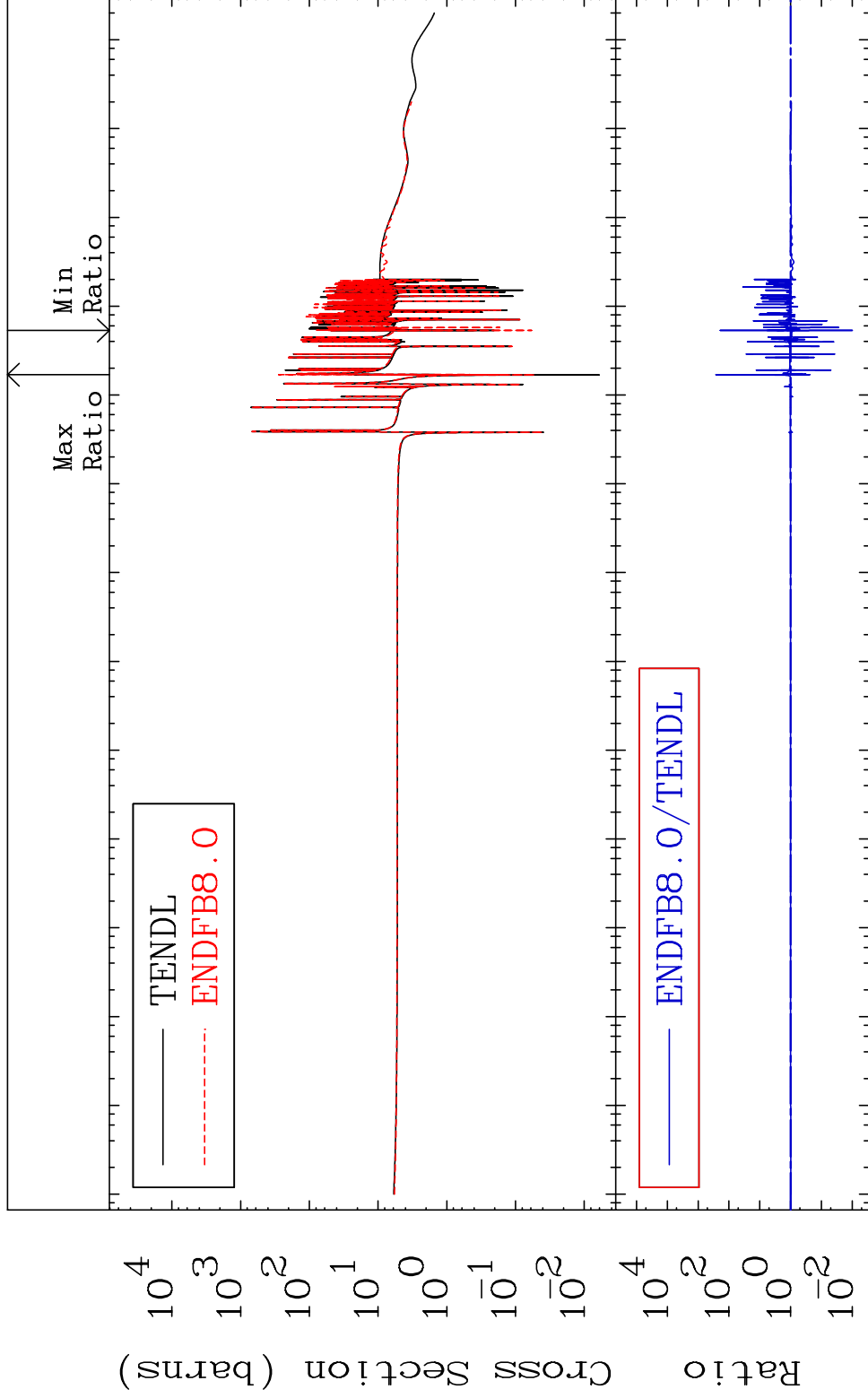
Press Mouse Button to Start

MAT 4025

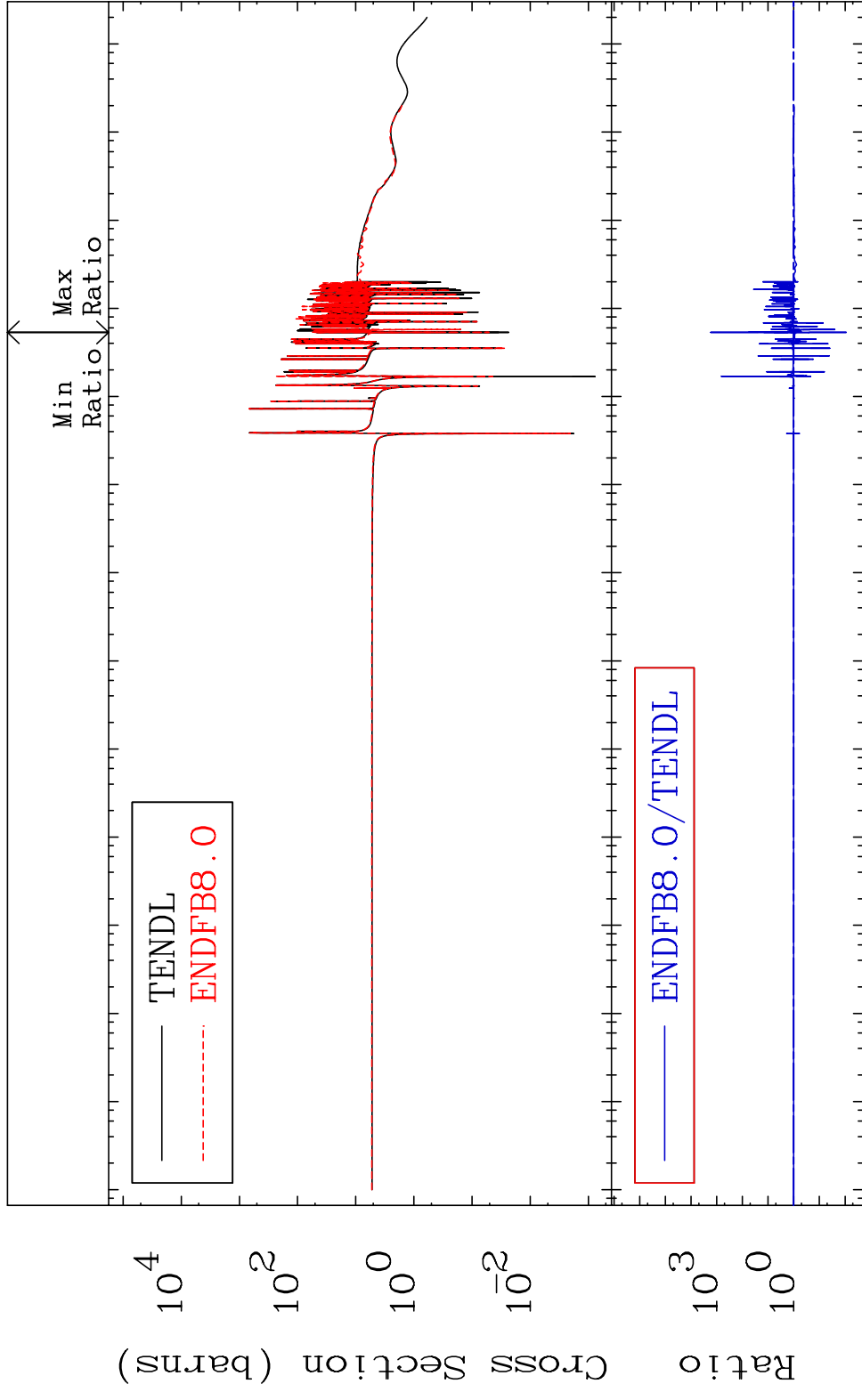
Total

40-Zr-90

Cross Section -98.99 To 9999. %

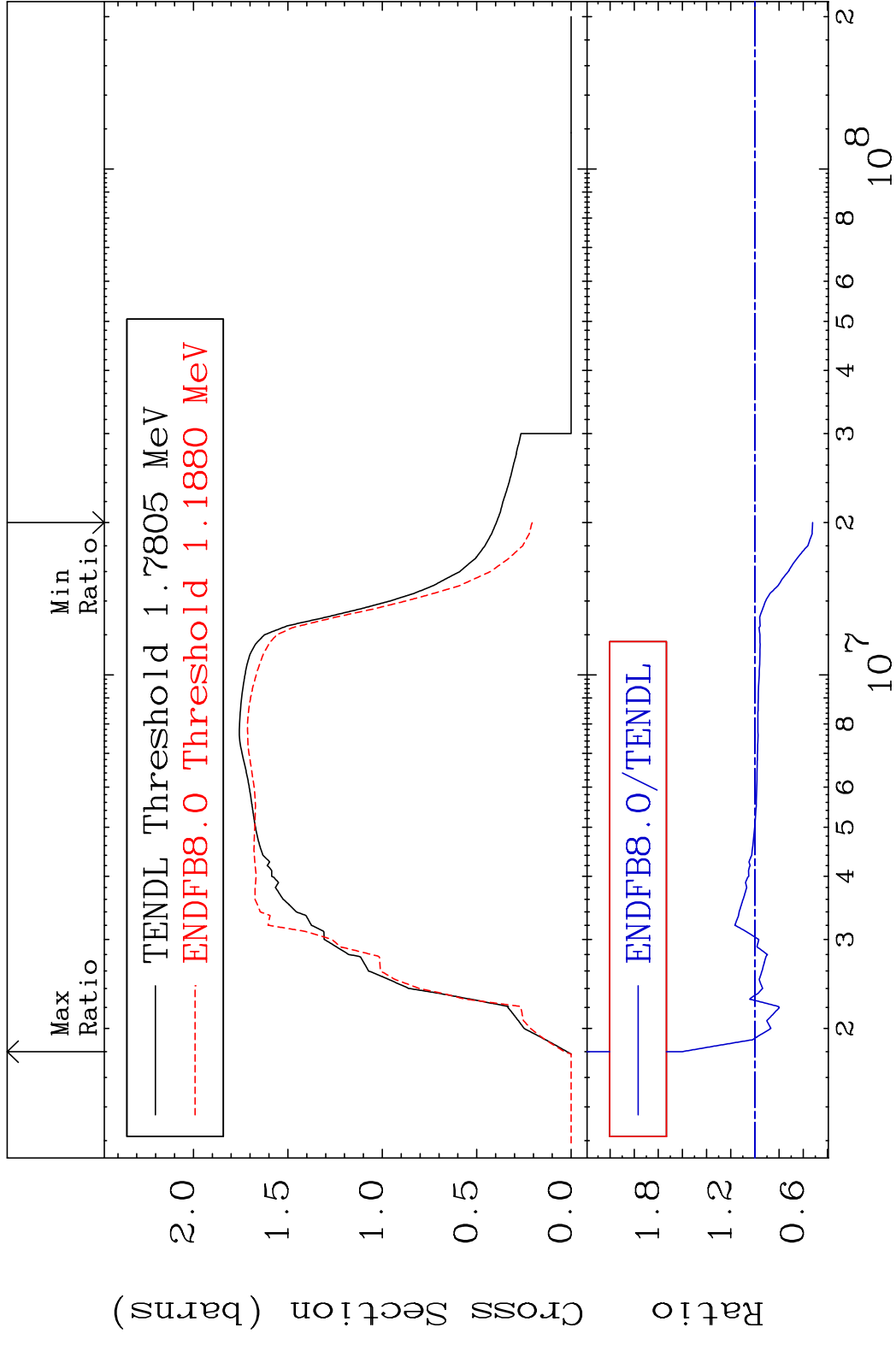


MAT 4025 Elastic 40-Zr-90
 Cross Section -99.11 To 9999. %

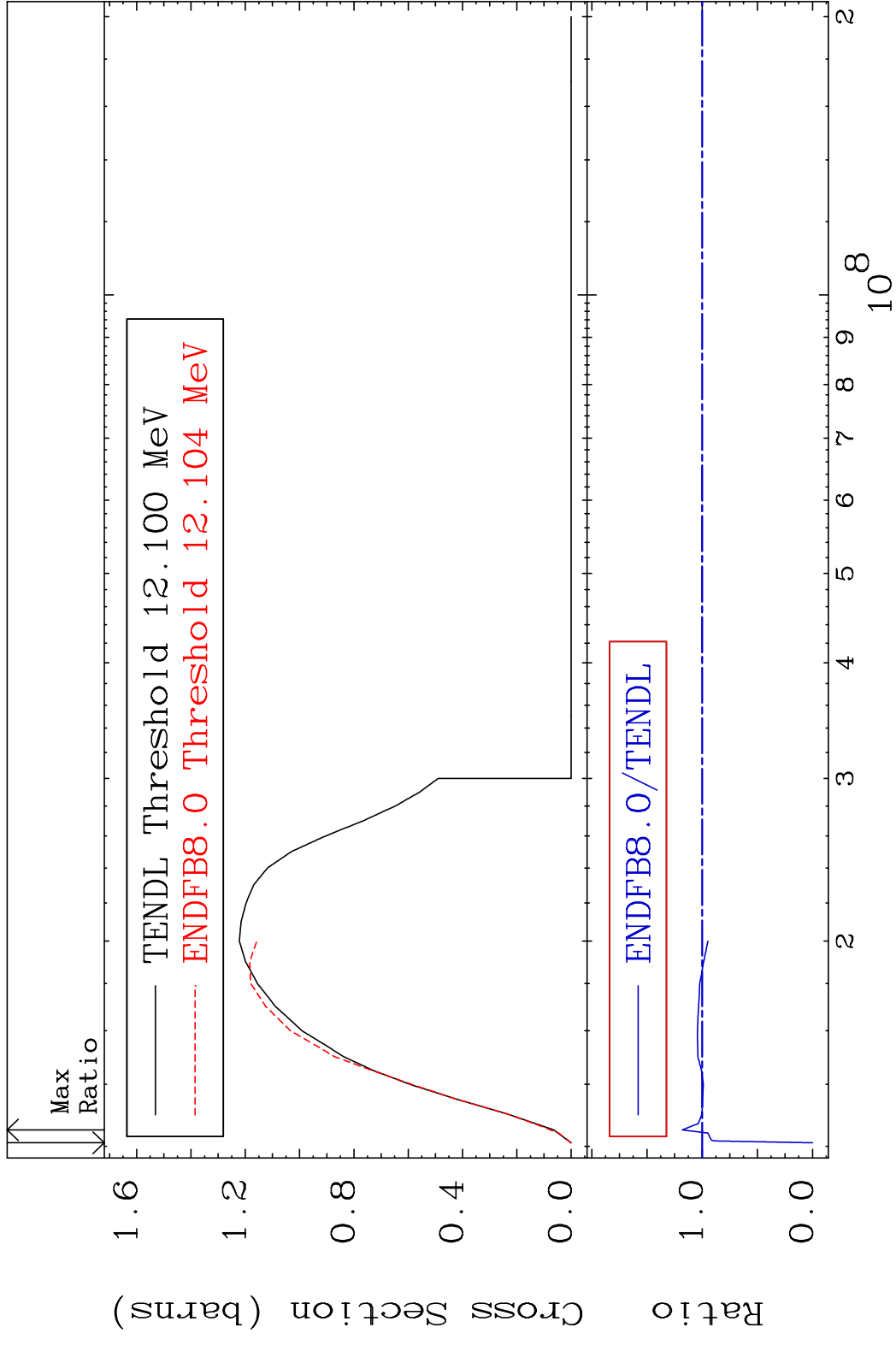


Ratio
 10^4
 10^2
 10^0
 10^{-2}
 10^3
 10^0
 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
 Incident Energy (eV) 40-Zr-90

MAT 4025 Inelastic 40-Zr-90
 Cross Section -47.70 To 60.11 %

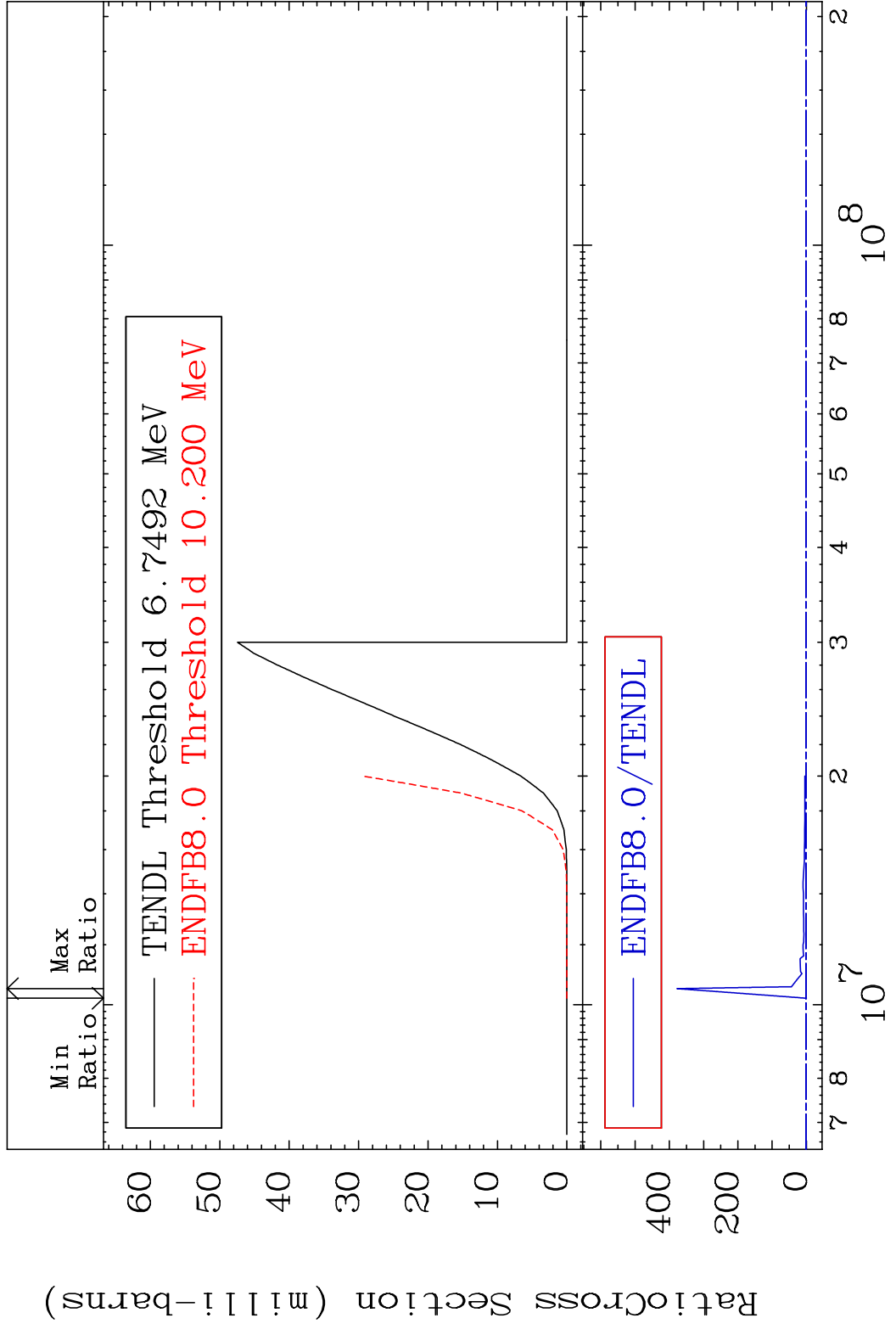


MAT 4025 (n,2n) 40-Zr-90
 Cross Section -100.0 To 17.96 %



4 Incident Energy (eV) 40-Zr-90

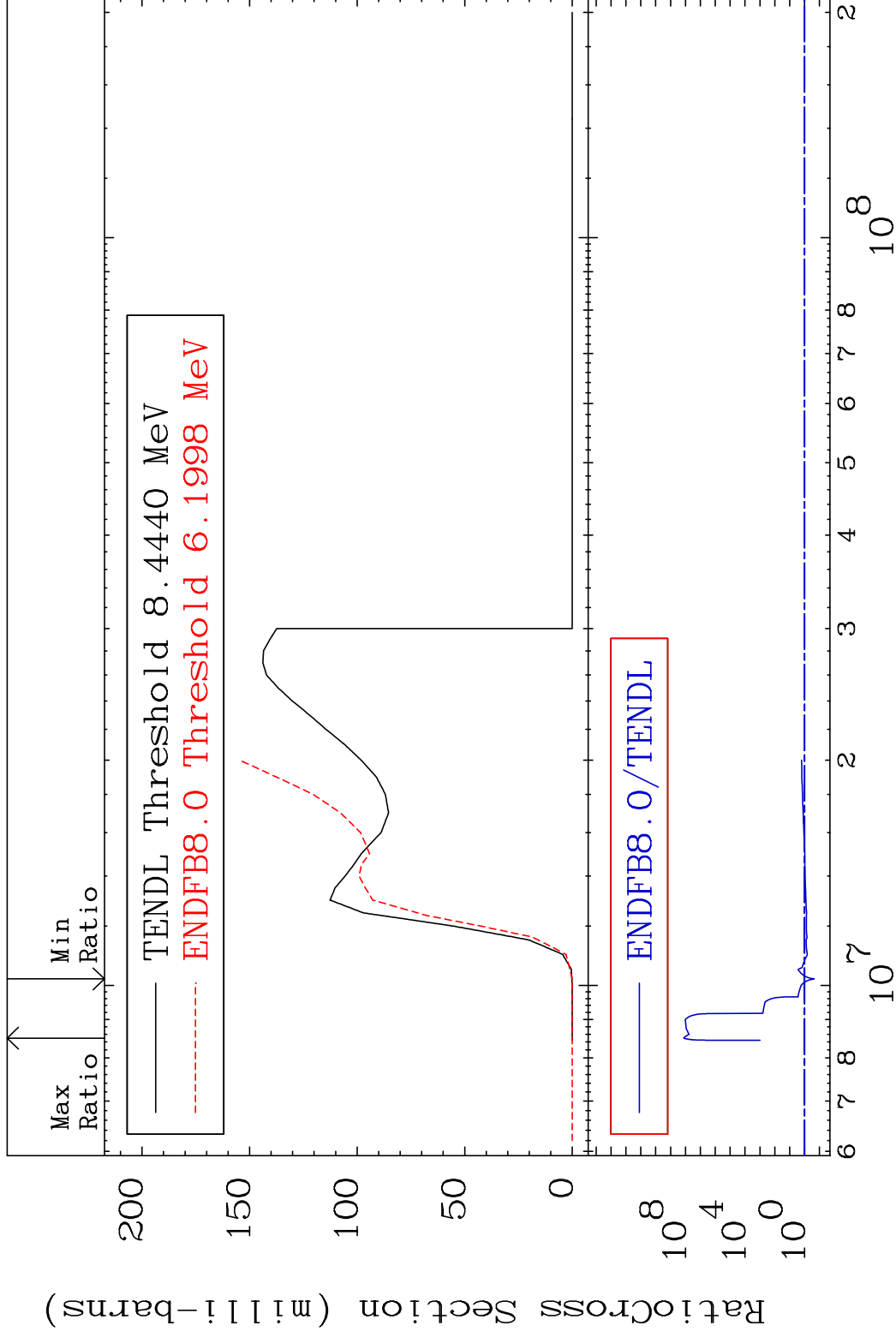
MAT 4025 (n, n') α 40-Zr-90
 Cross Section -100.0 To 9999. %



5 40-Zr-90

MAT 4025

(n, n') p 40-Zr-90
Cross Section -77.01 To 9999. %

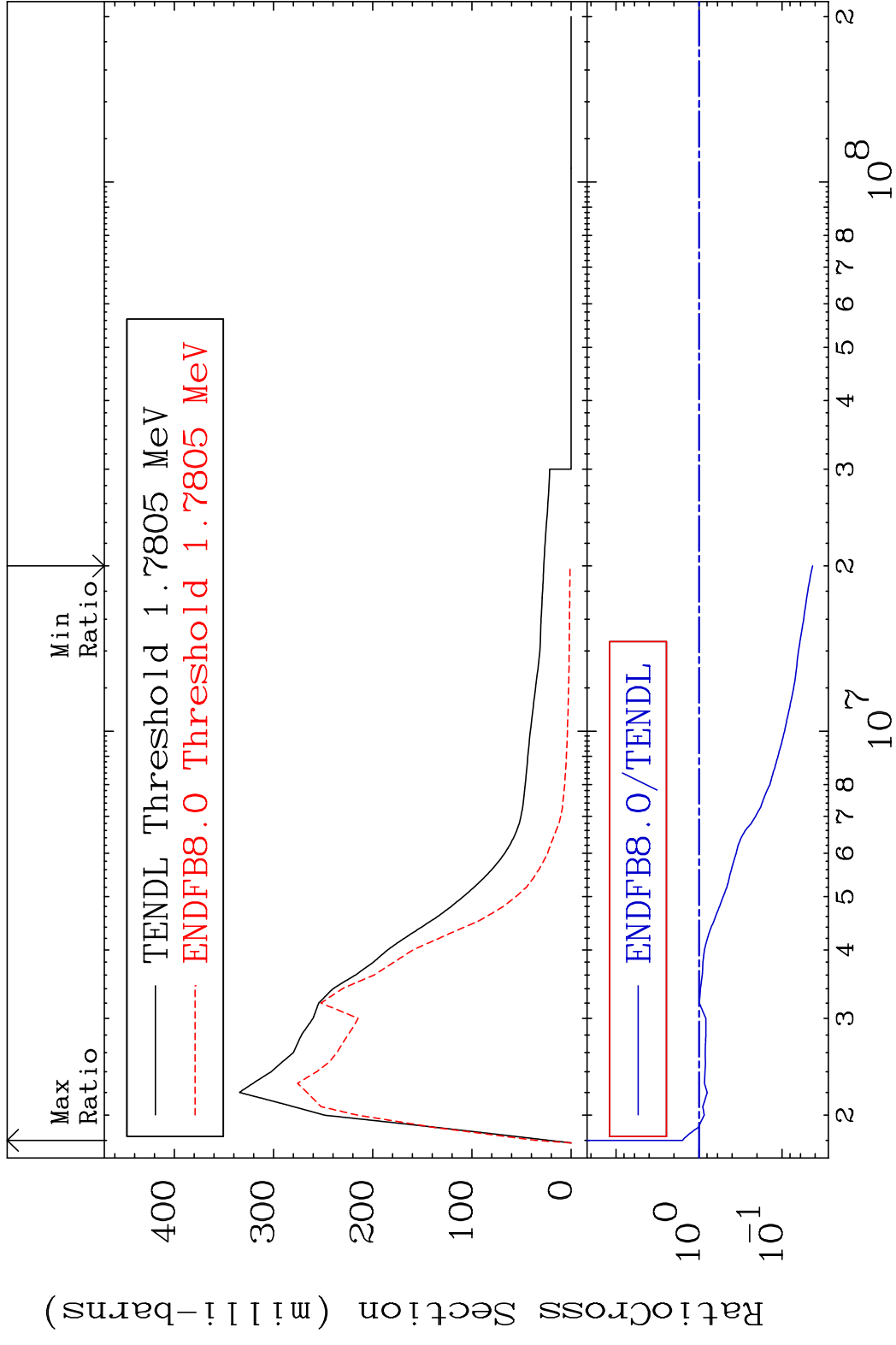


6

Incident Energy (eV)

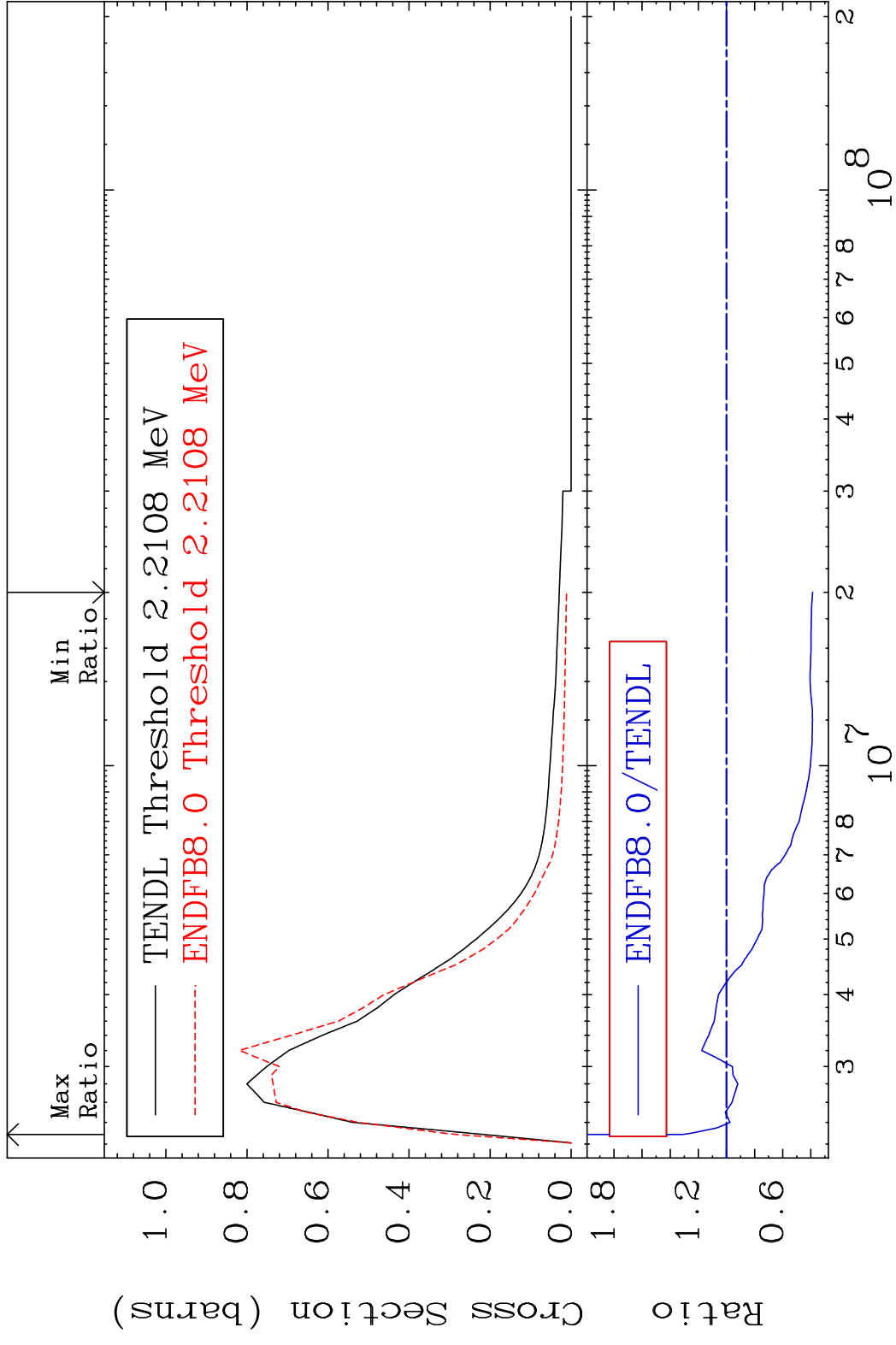
40-Zr-90

MAT 4025 MT= 51 (n, n') Level 40-Zr-90
 Cross Section -95.71 To 58.76 %

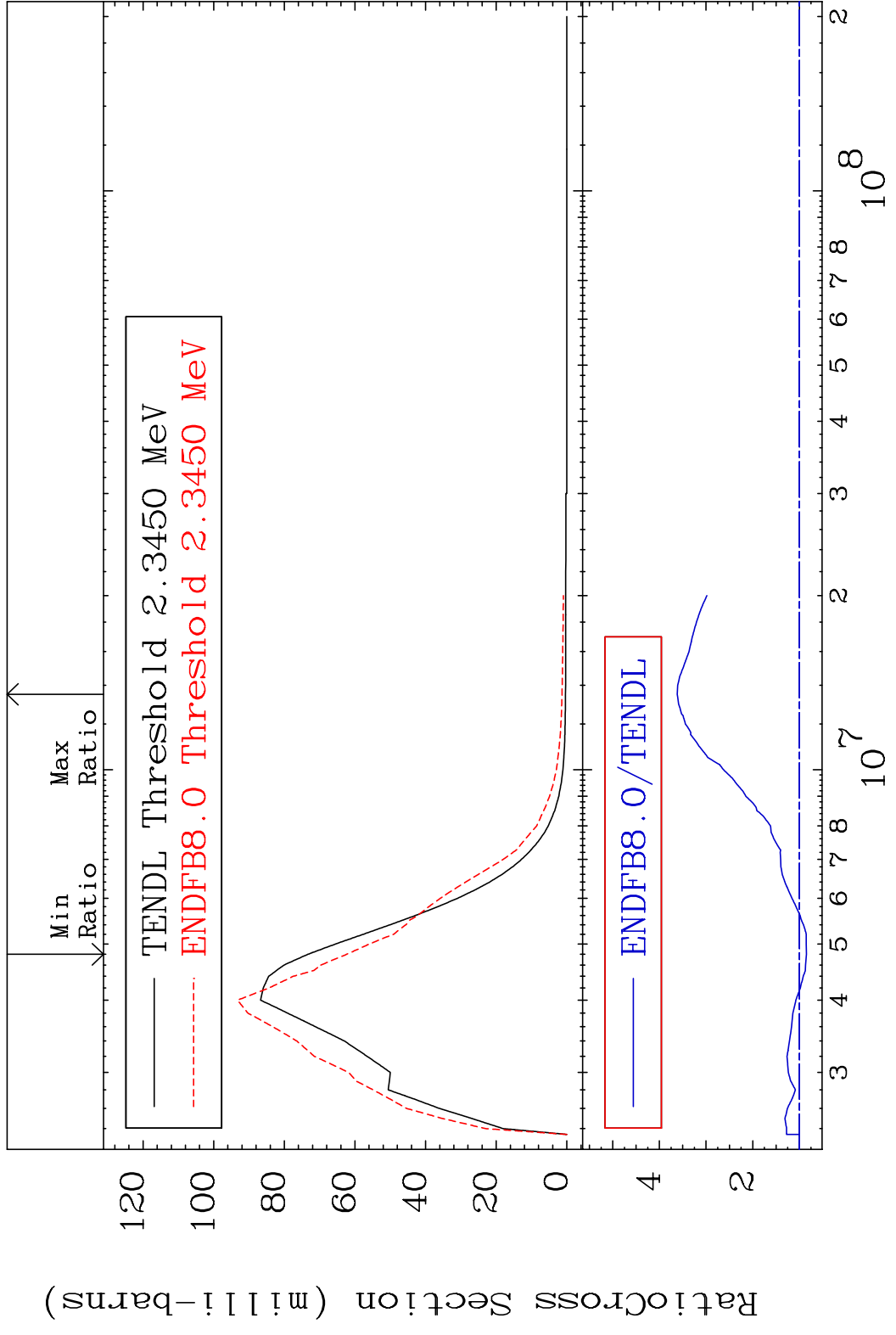


7 Incident Energy (eV) 40-Zr-90

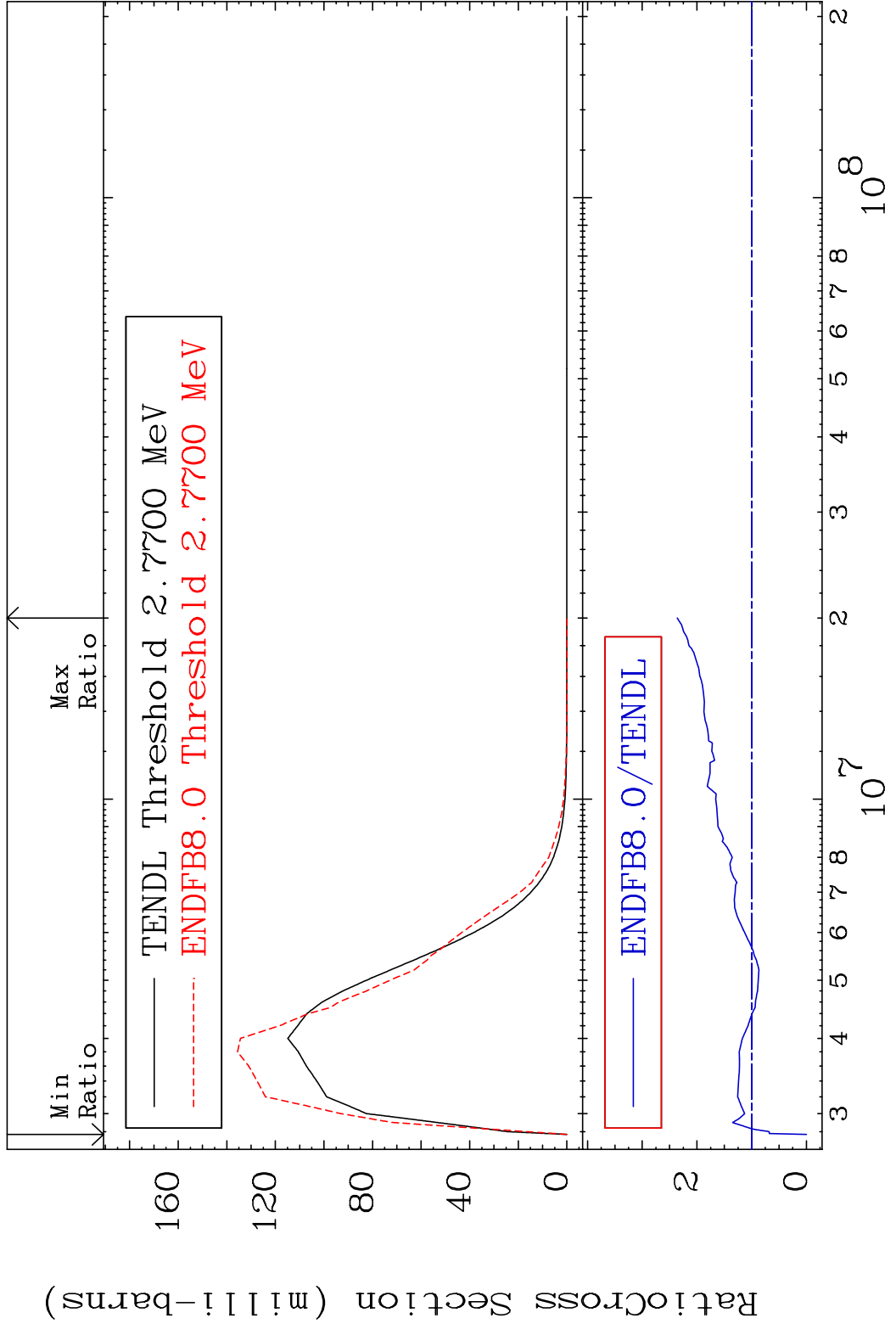
MAT 4025 MT= 52 (n, n') Level 40-Zr-90
 Cross Section -61.23 To 31.36 %



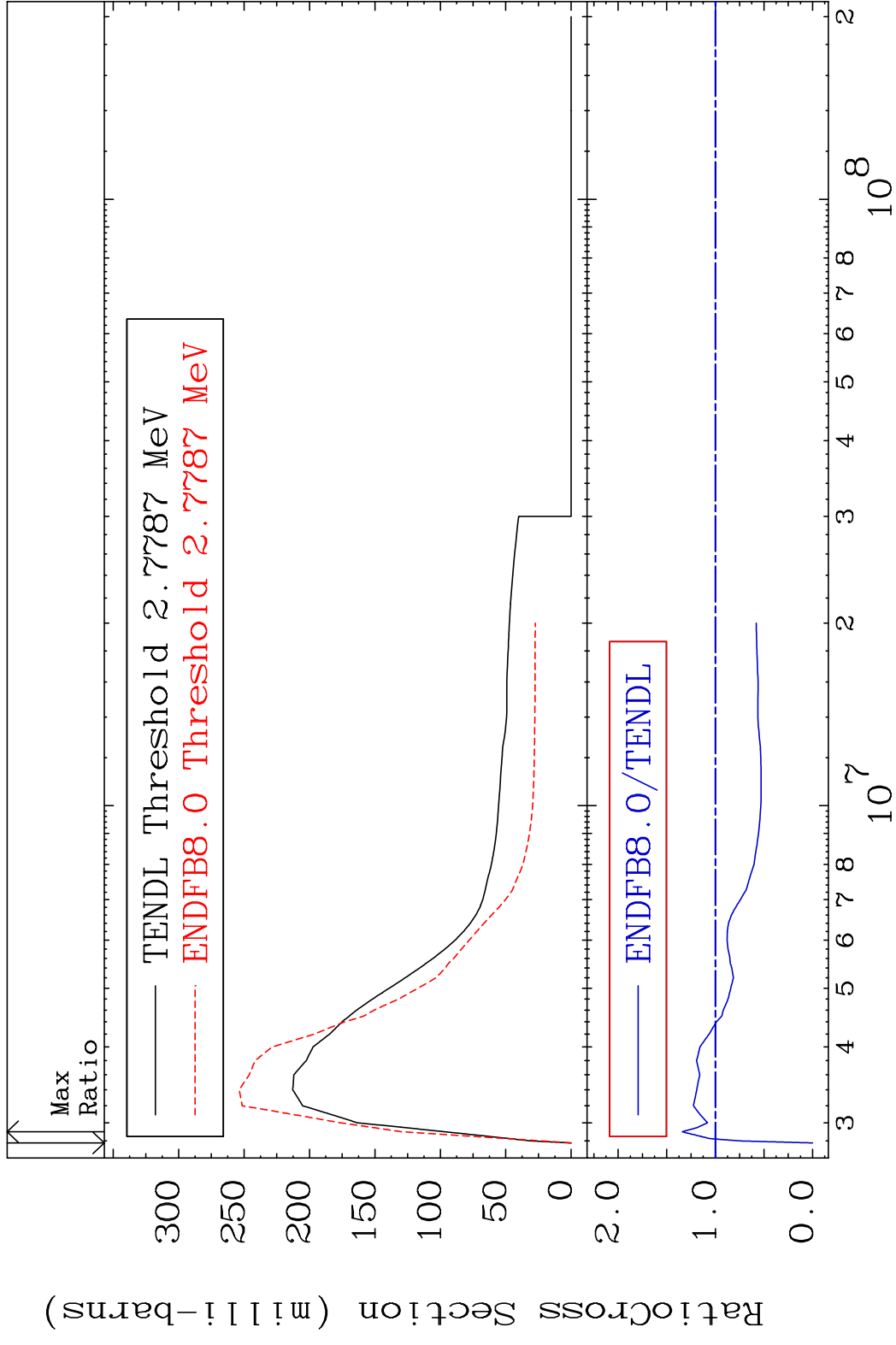
MAT 4025 MT= 53 (n, n') Level 40-Zr-90
 Cross Section -15.00 To 261.9 %



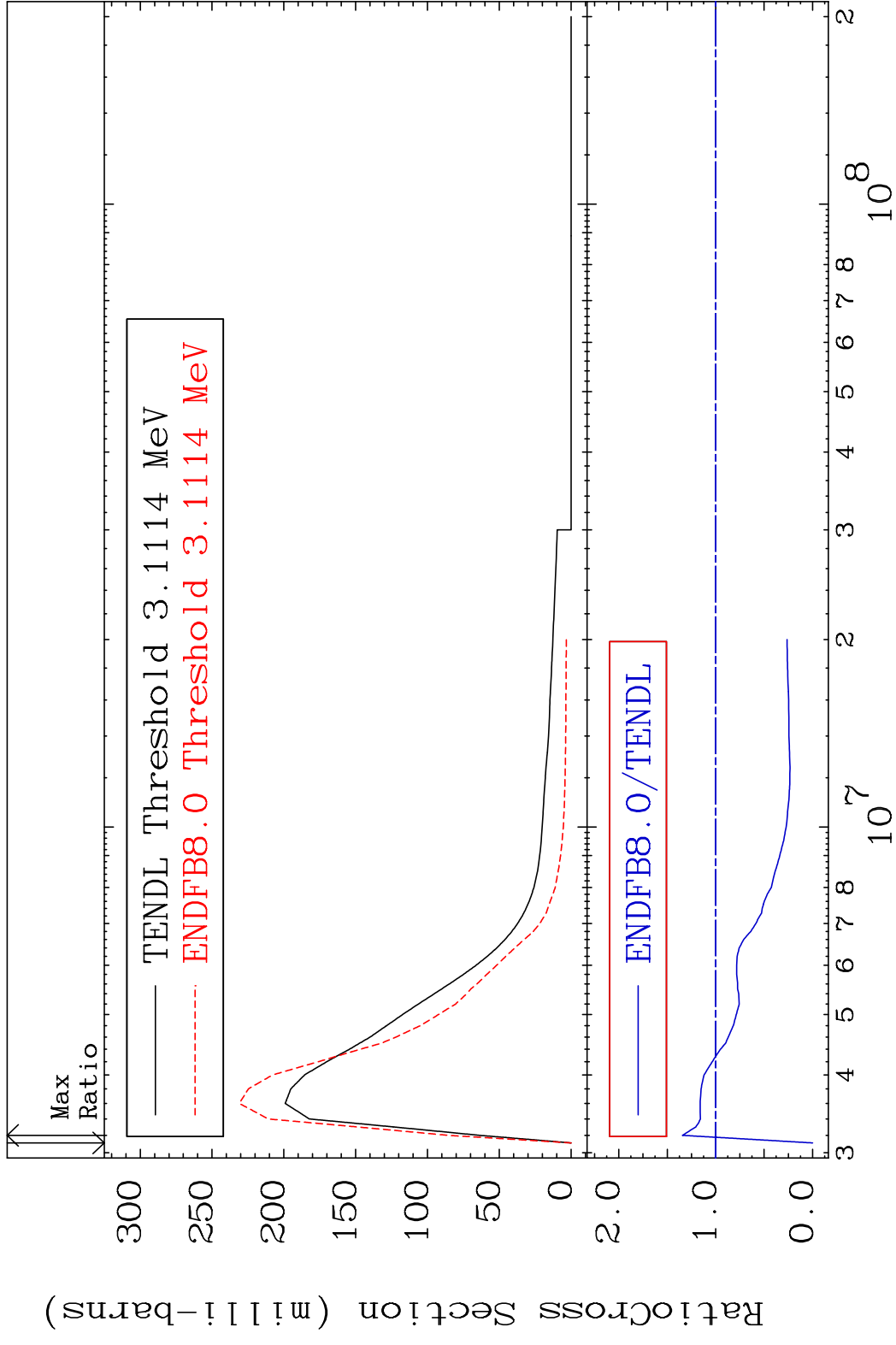
MAT 4025 MT= 54 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 136.1 %



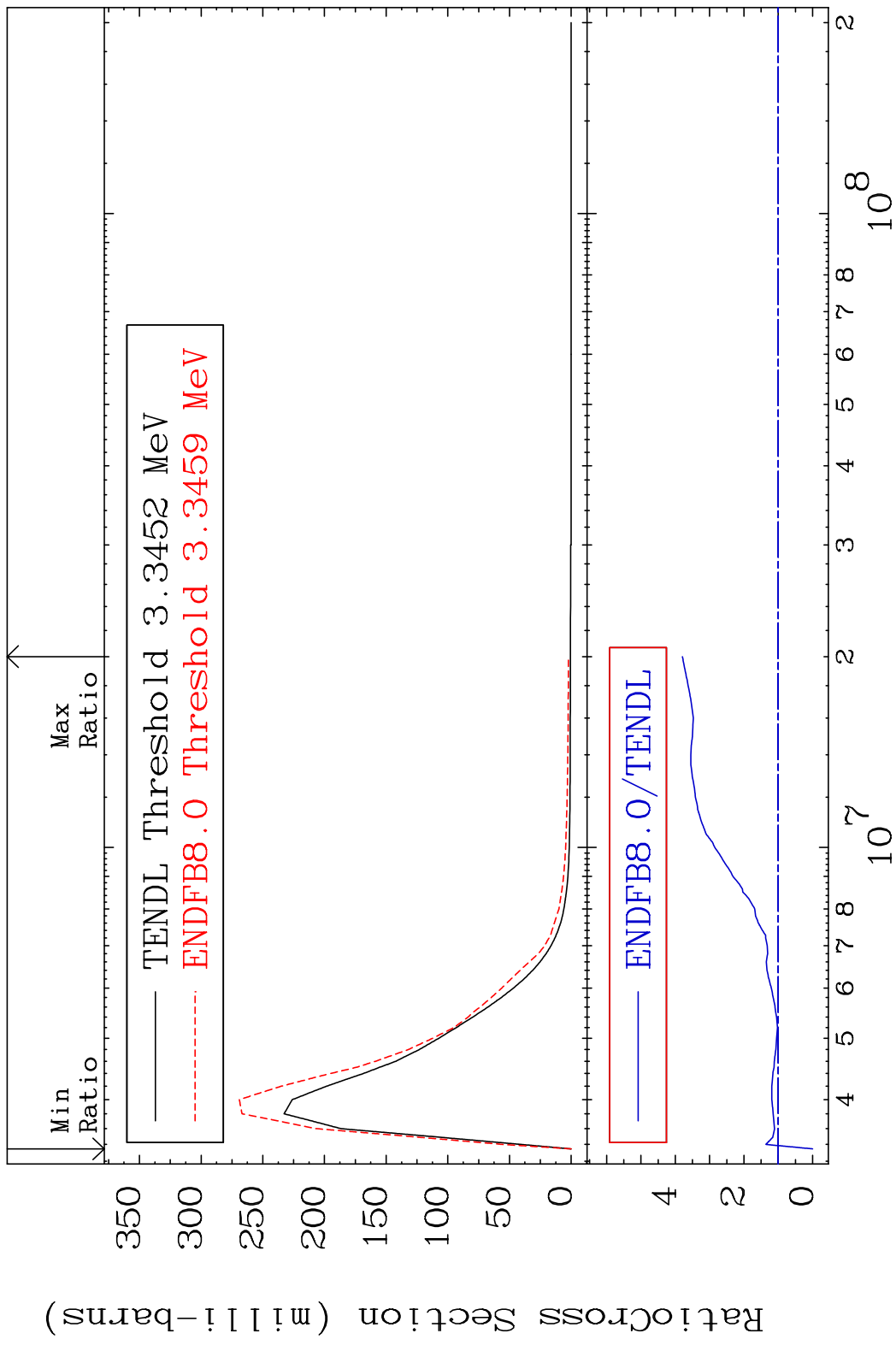
MAT 4025 MT= 55 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 33.95 %



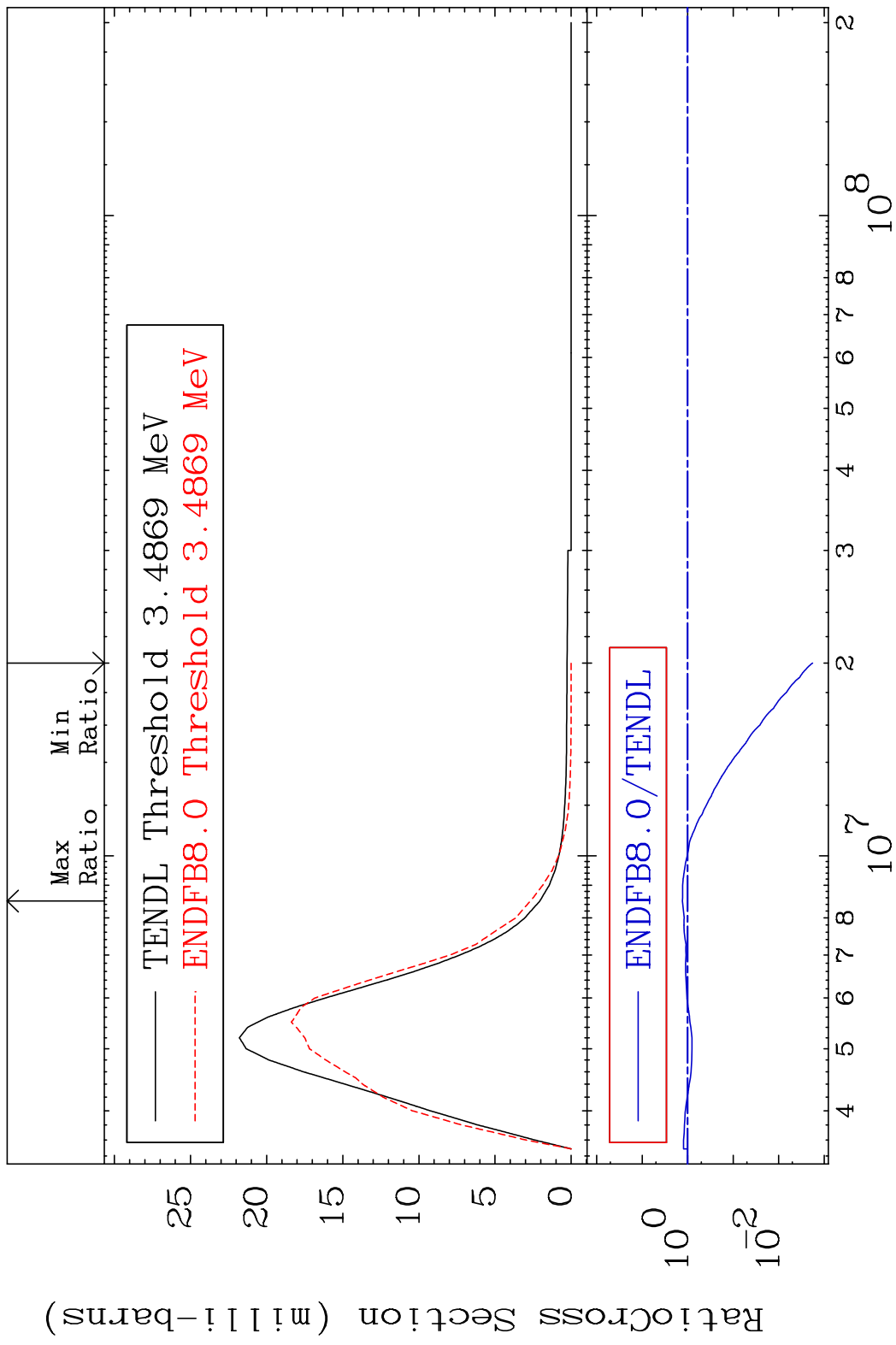
MAT 4025 MT= 56 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 34.40 %



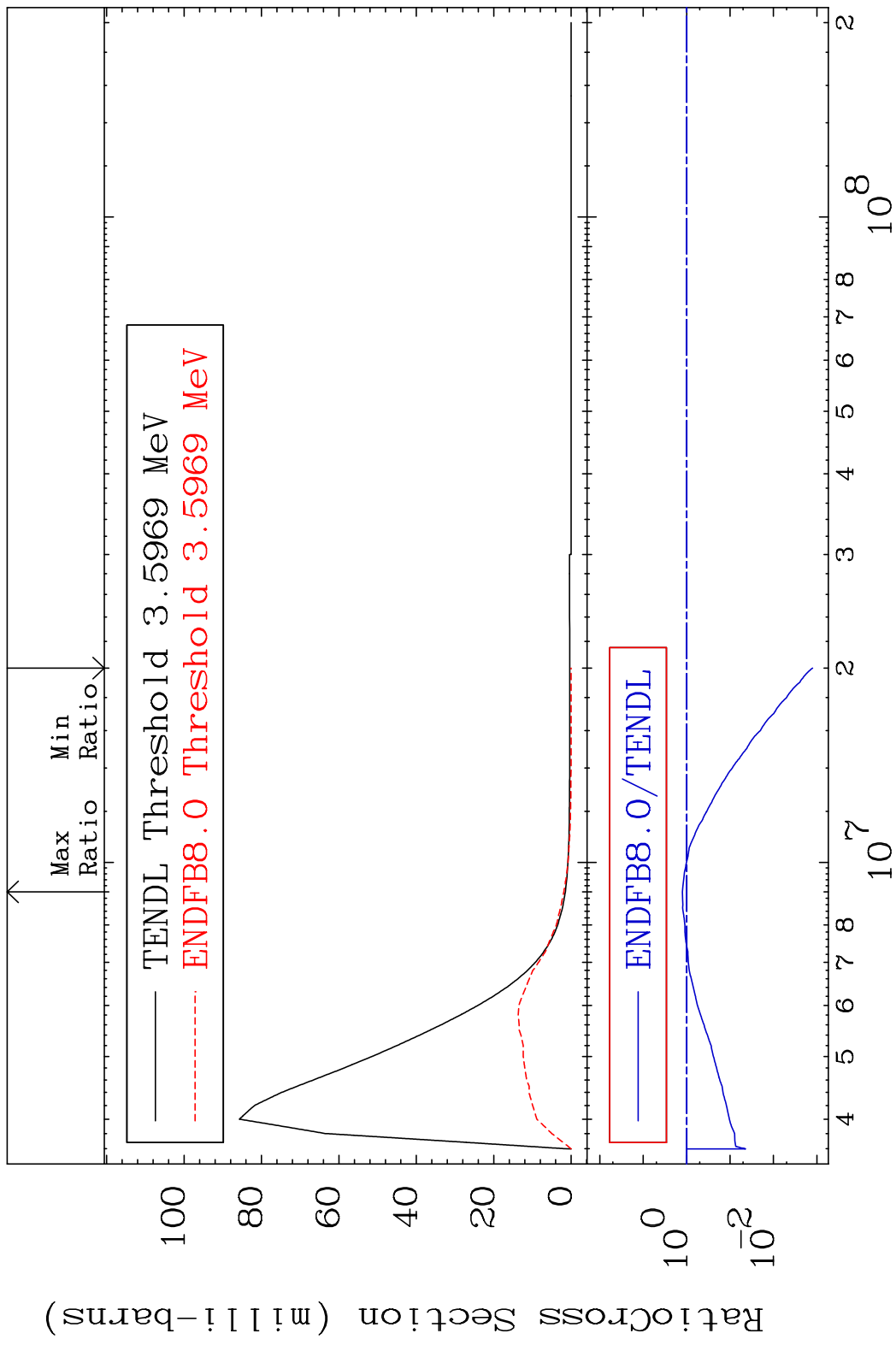
MAT 4025 MT= 57 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 279.5 %



MAT 4025 MT= 58 (n, n') Level 40-Zr-90
 Cross Section -99.82 To 30.83 %

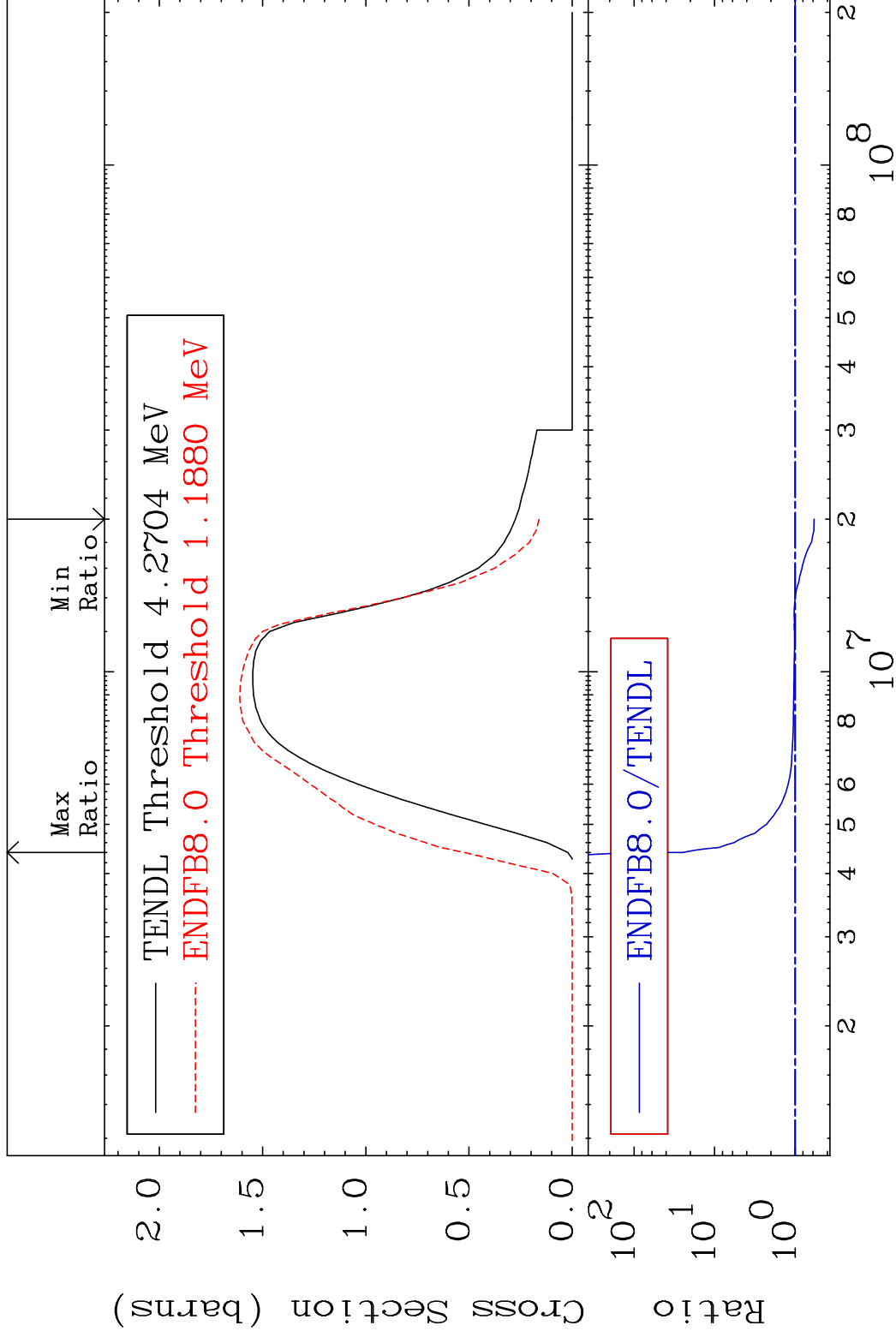


MAT 4025 MT= 59 (n, n') Level 40-Zr-90
 Cross Section -99.87 To 25.74 %



MAT 4025

(n, n') Continuum 40-Zr-90
Cross Section -41.69 To 2321. %



16

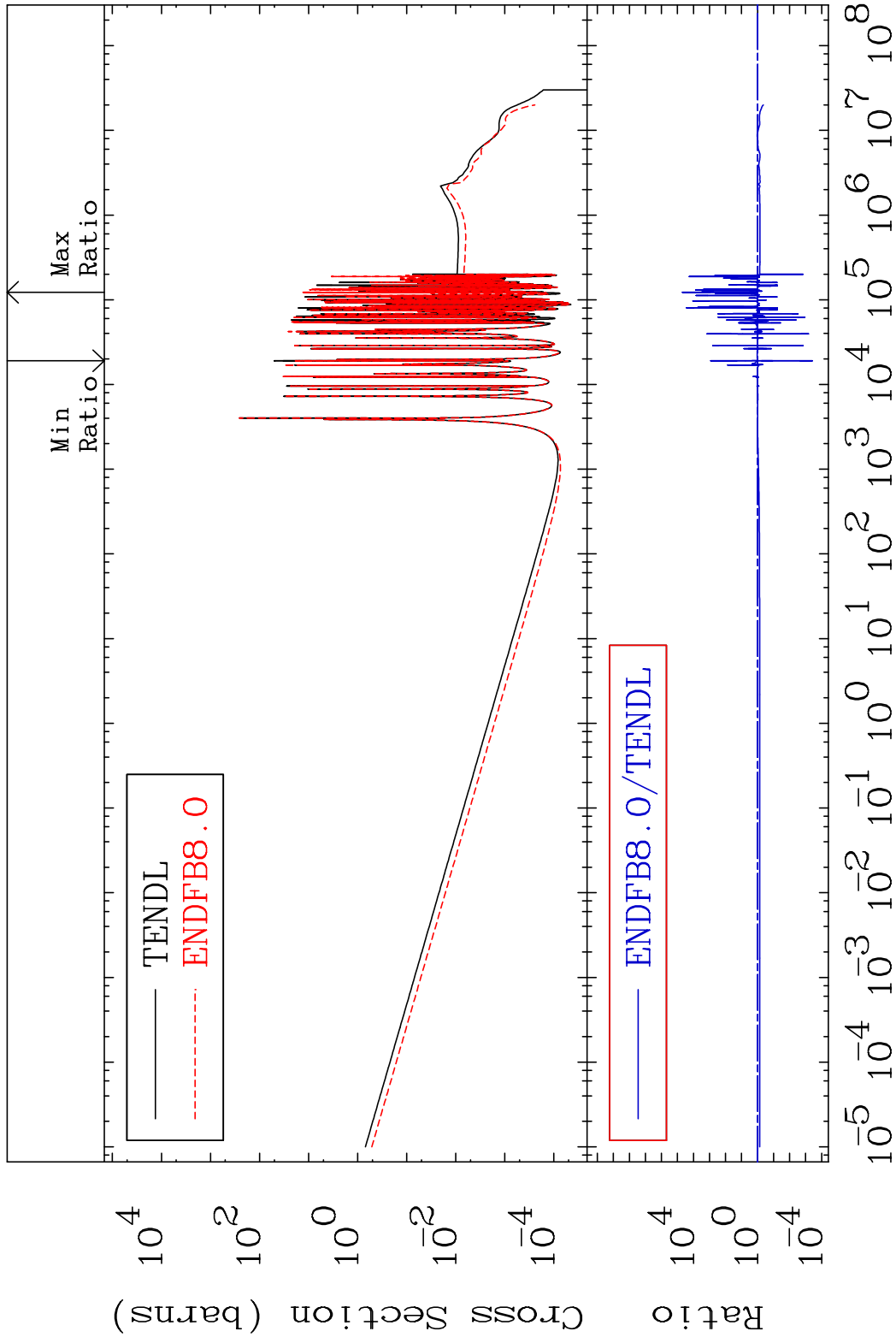
Incident Energy (eV) 40-Zr-90

MAT 4025

(n, γ)

40-Zr-90

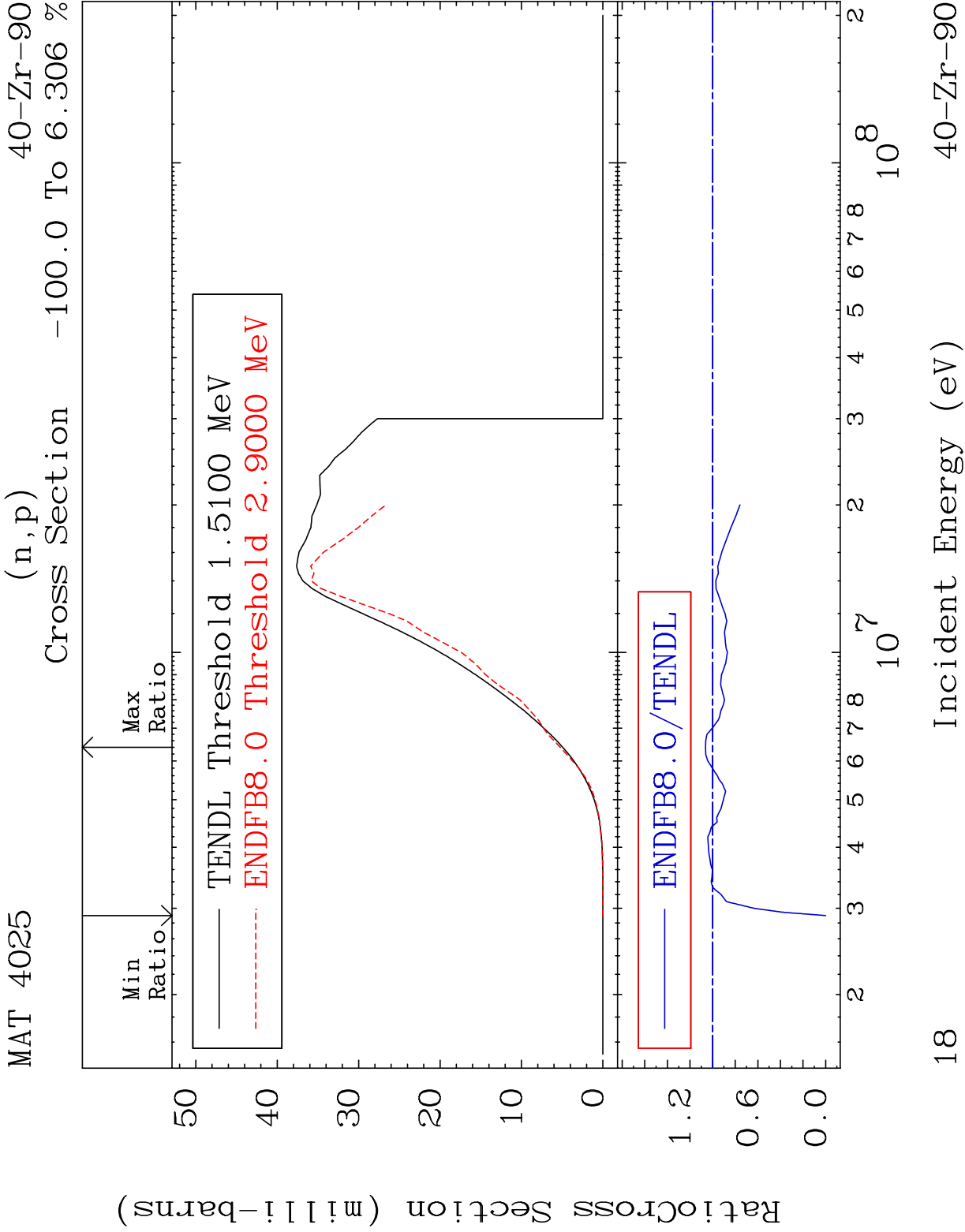
Cross Section -99.96 To 9999. %



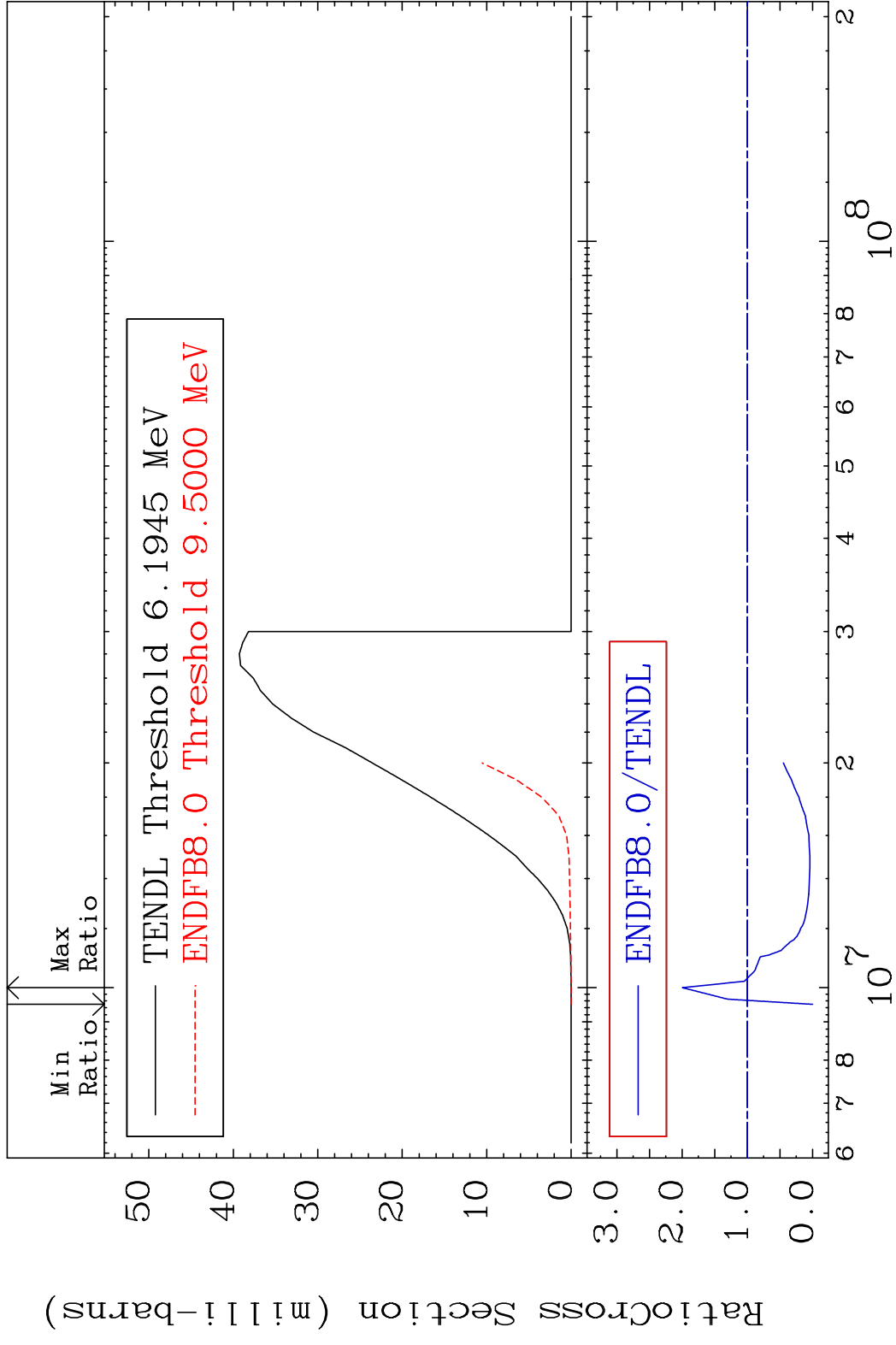
17

Incident Energy (eV)

40-Zr-90



MAT 4025 (n,d) 40-Zr-90
 Cross Section -100.0 To 99.63 %

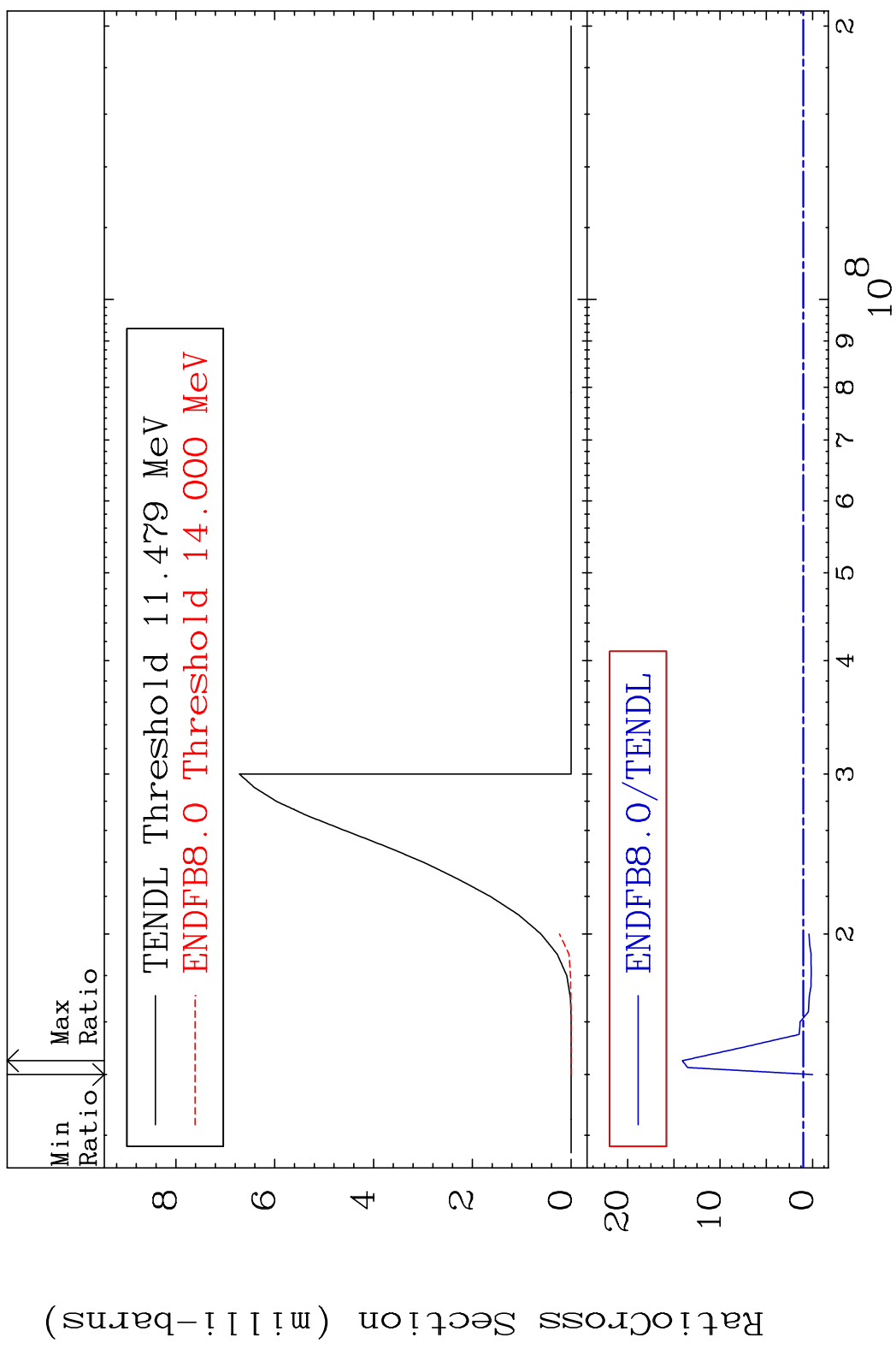


MAT 4025

(n, t)

40-Zr-90

Cross Section -100.0 To 1309. %



20

Incident Energy (eV)

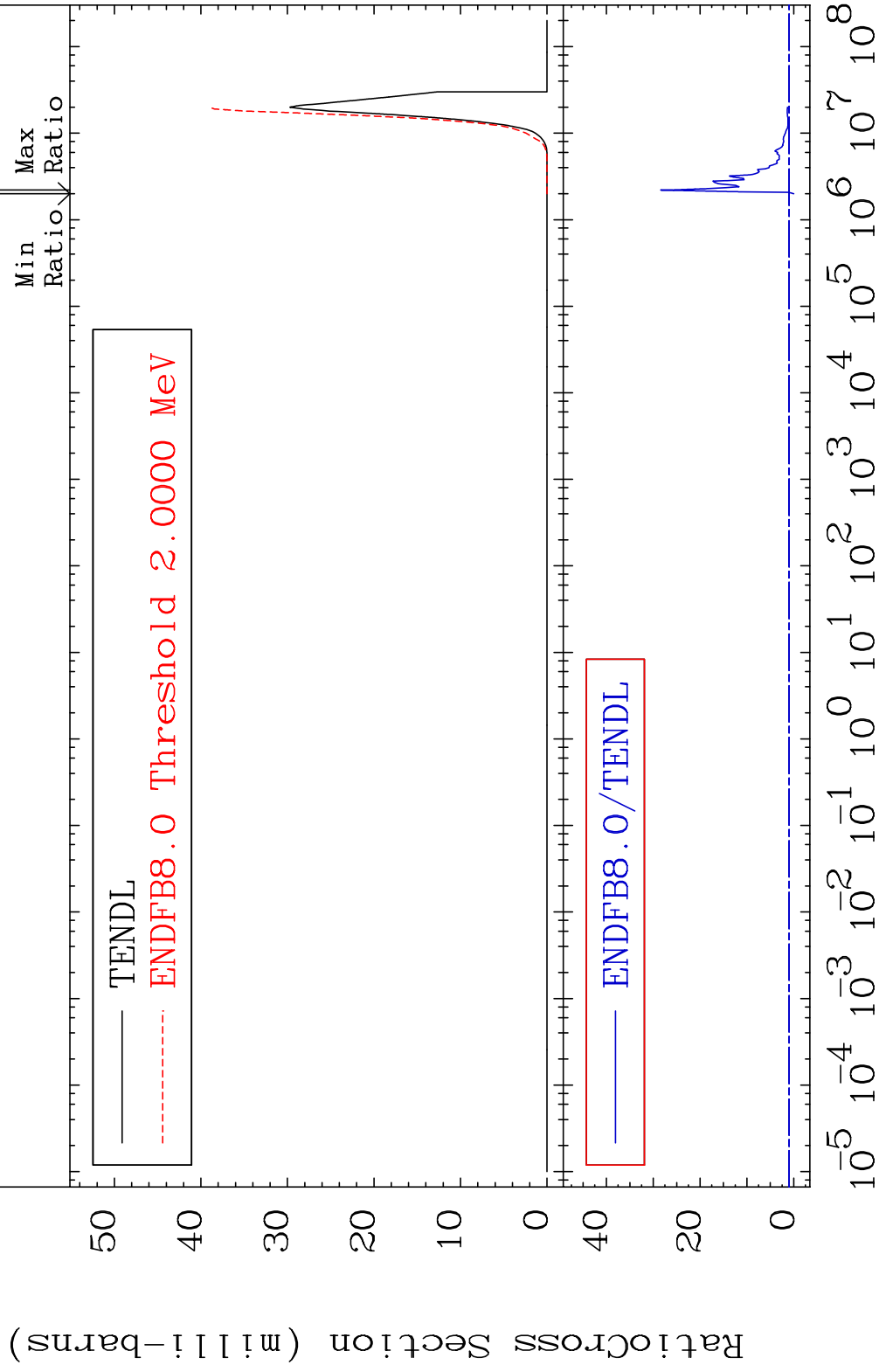
40-Zr-90

MAT 4025

(n, α)

40-Zr-90

Cross Section -100.0 To 2742. %

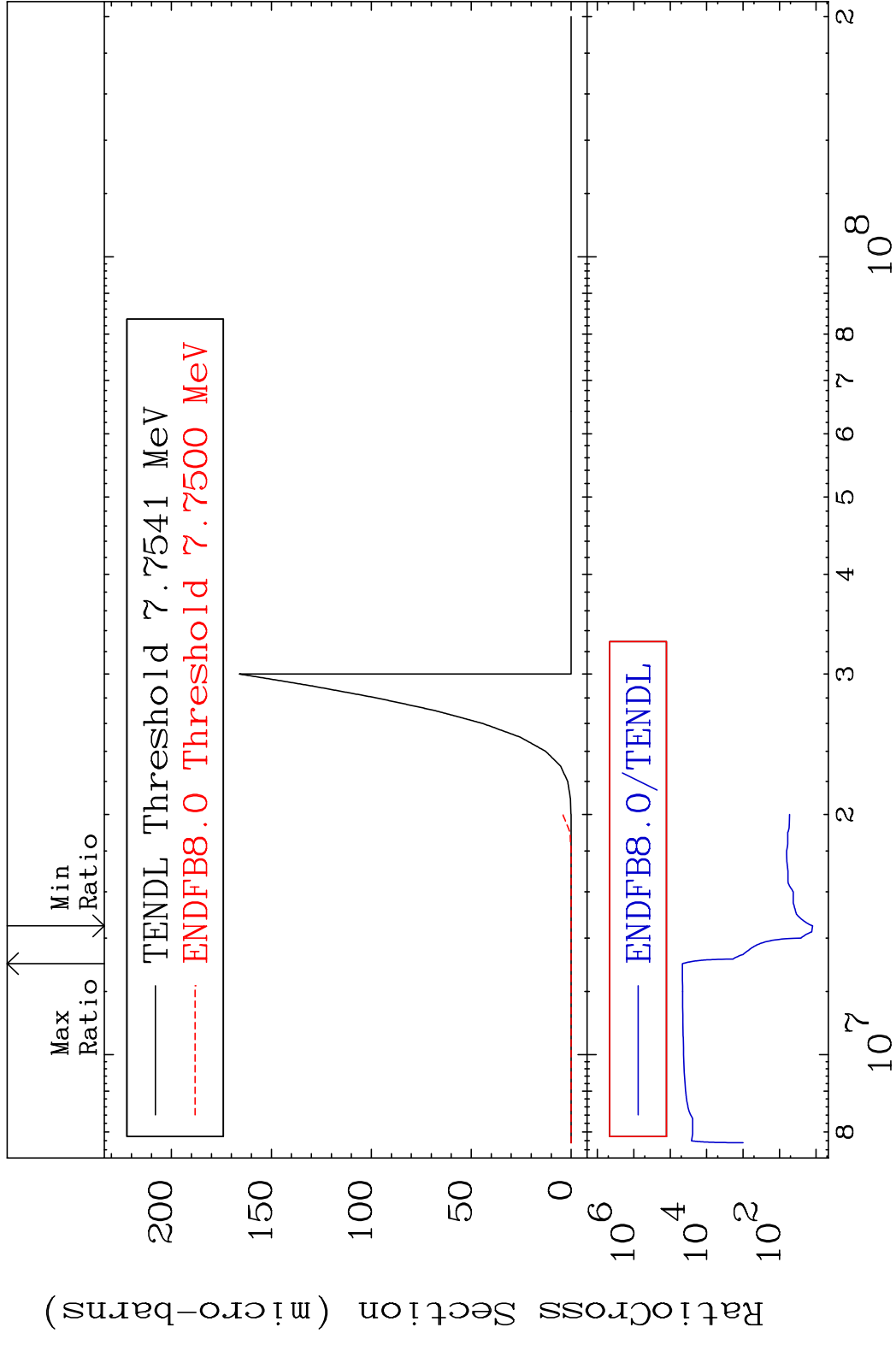


21

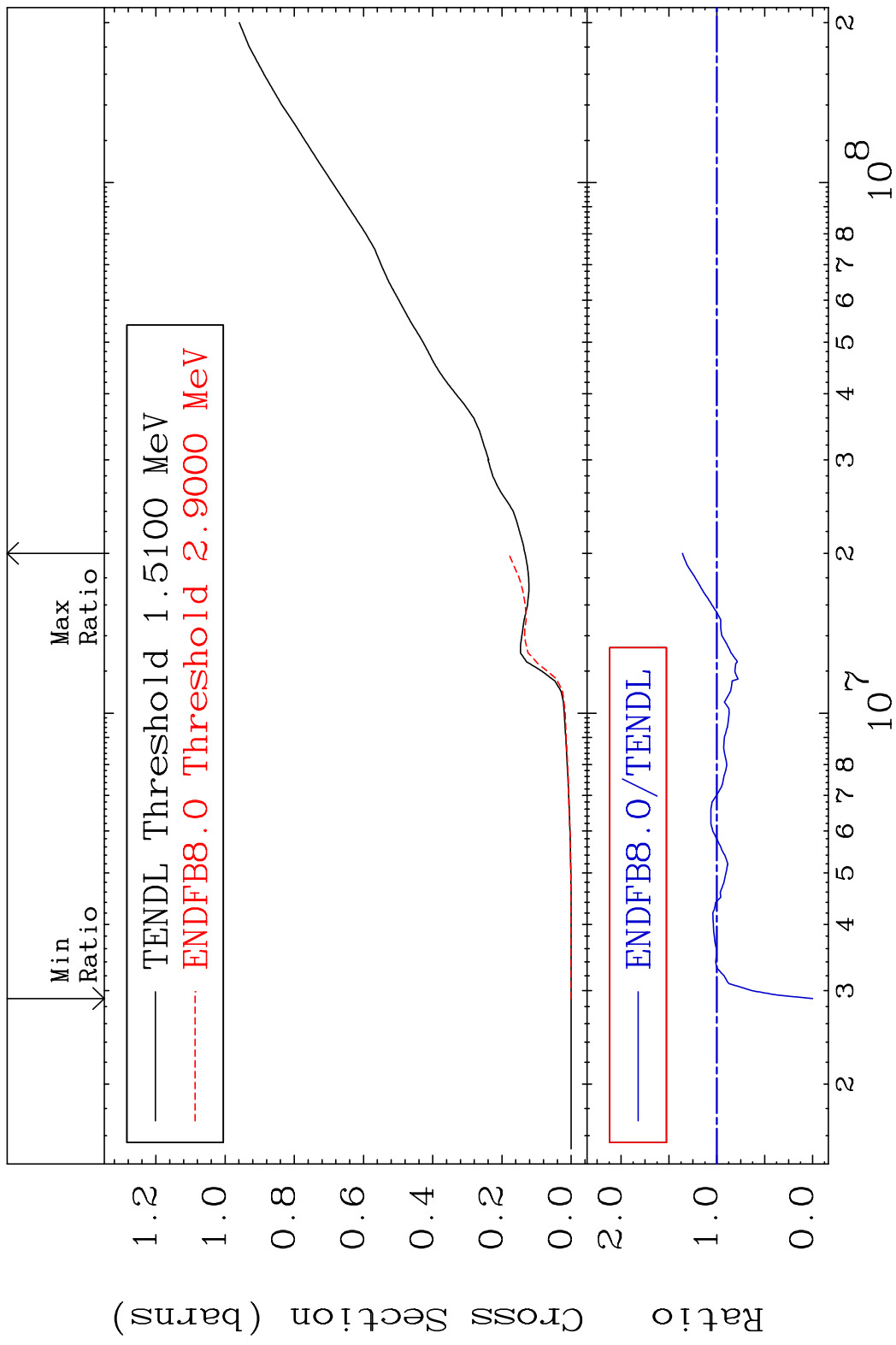
Incident Energy (eV)

40-Zr-90

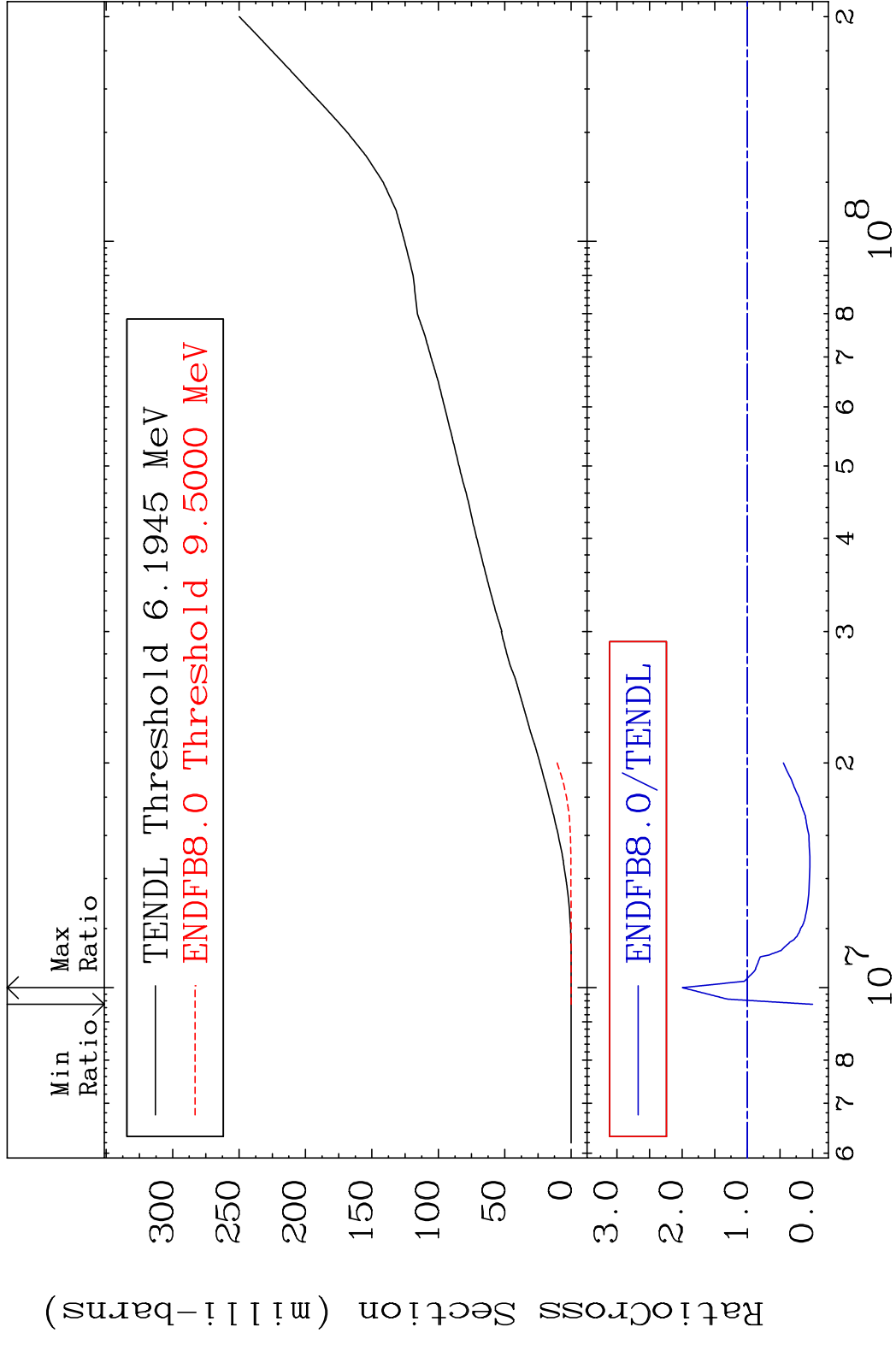
MAT 4025 (n,p) α 40-Zr-90
 Cross Section 1138. To 9999. %



MAT 4025 Hydrogen Production 40-Zr-90
 Cross Section -100.0 To 36.01 %



MAT 4025 Deuterium Production 40-Zr-90
 Cross Section -100.0 To 99.63 %



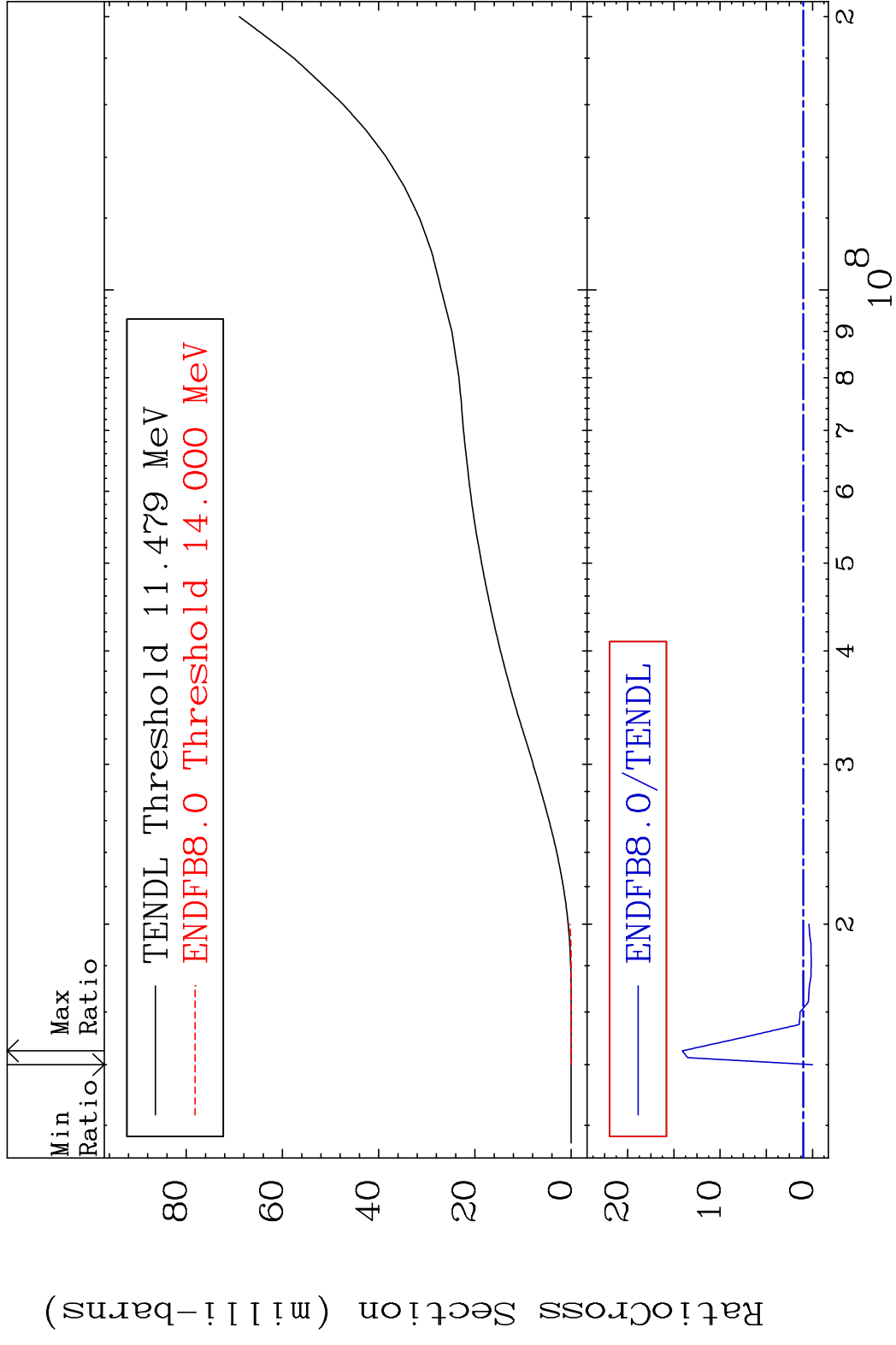
24 Incident Energy (eV) 40-Zr-90

MAT 4025

Tritium Production

40-Zr-90

Cross Section -100.0 To 1309. %

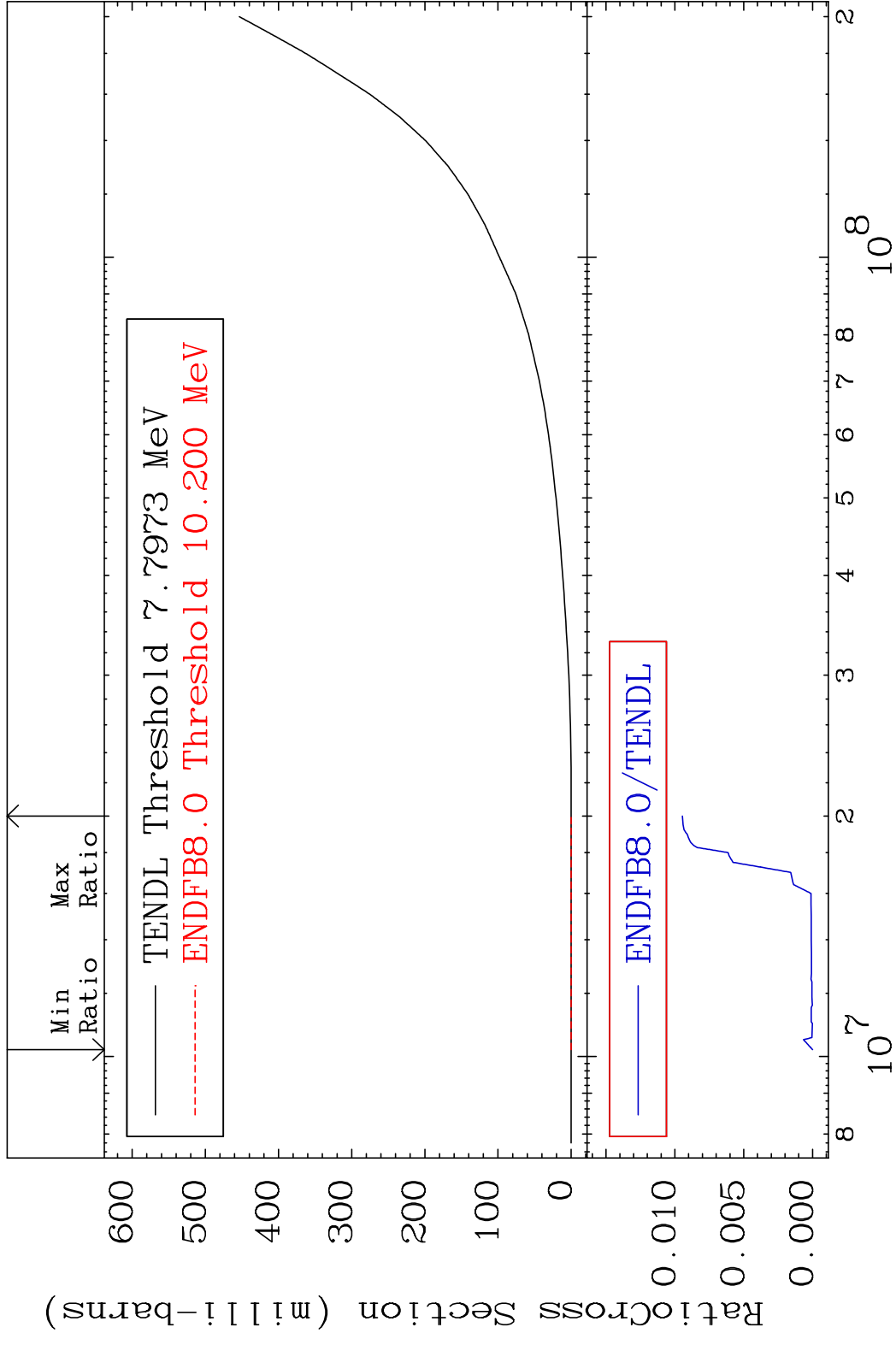


MAT 4025

He-3 Production

40-Zr-90

Cross Section -100.0 To -99.05%

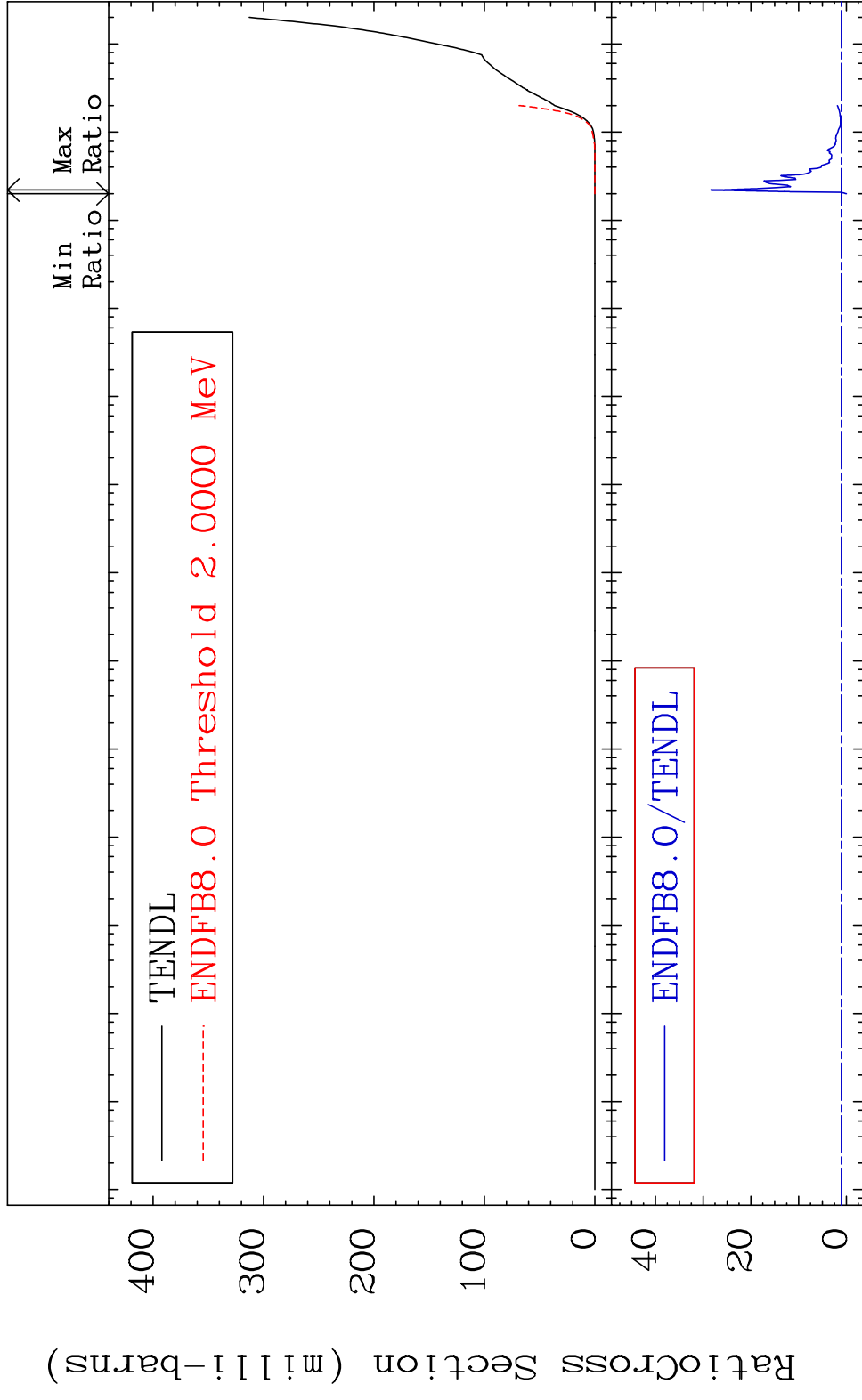


MAT 4025

He-4 Production

40-Zr-90

Cross Section -100.0 To 2742. %

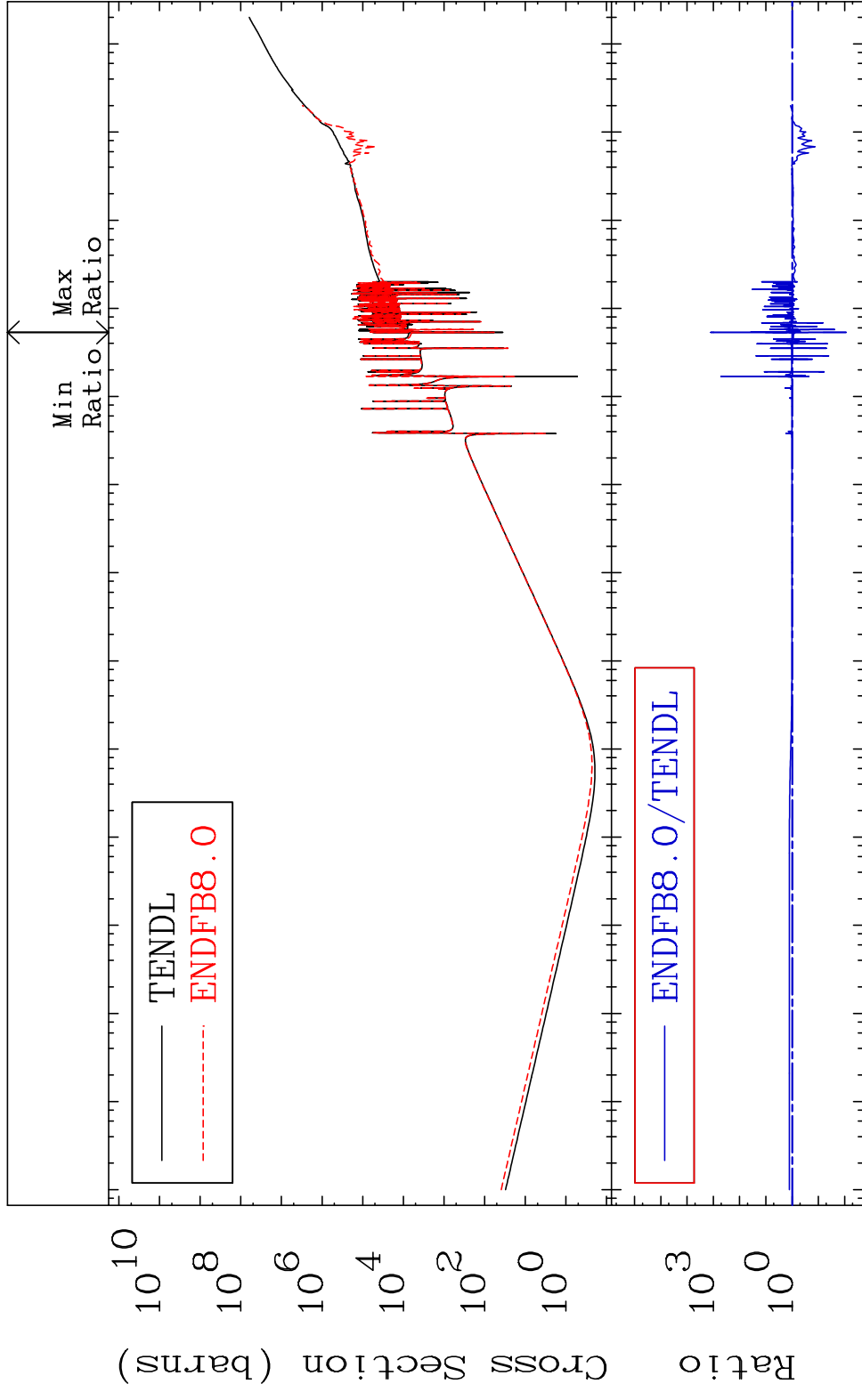


27

Incident Energy (eV)

40-Zr-90

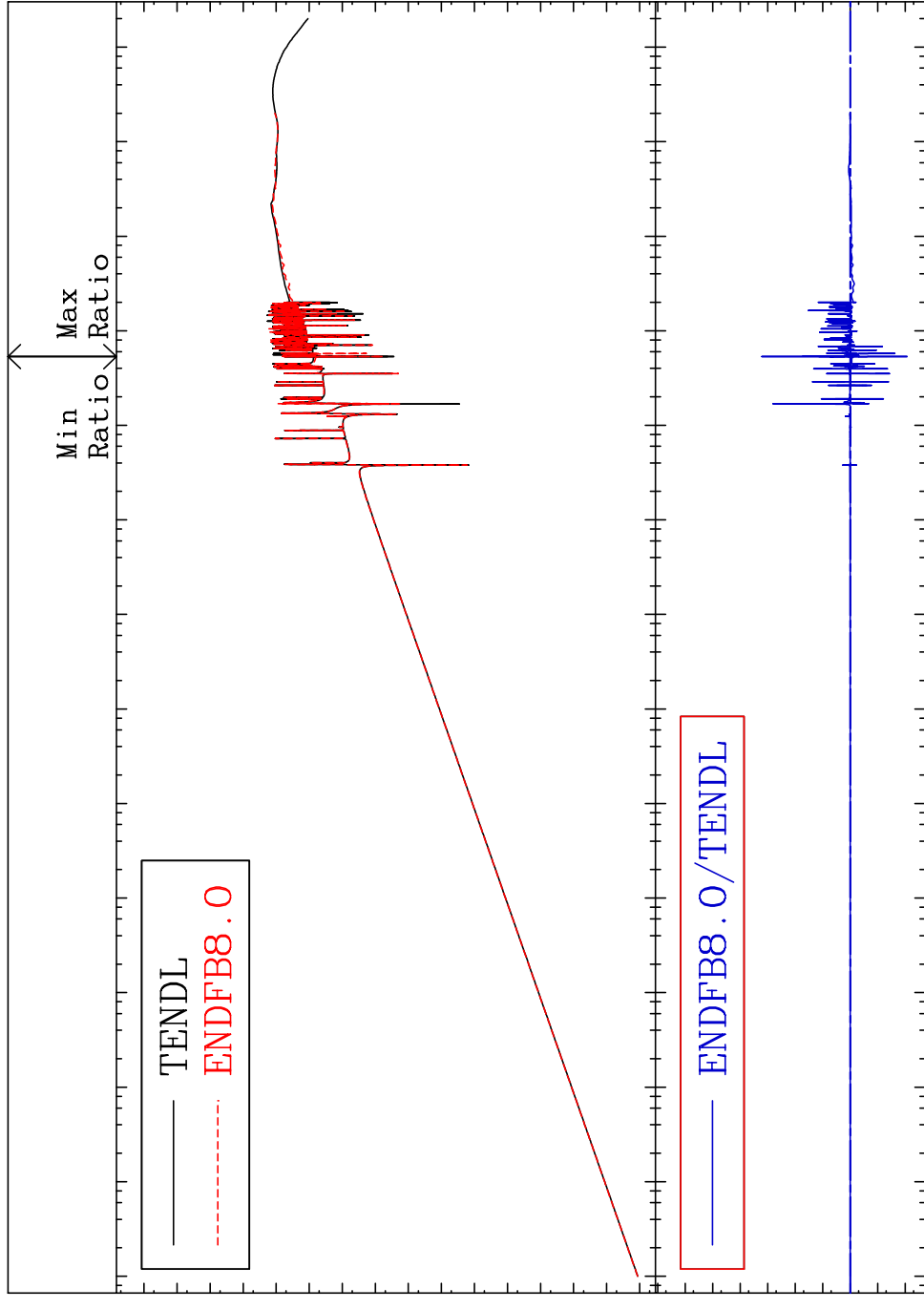
MAT 4025 Kerma total (eV-barns) 40-Zr-90
 Cross Section -99.14 To 9999. %



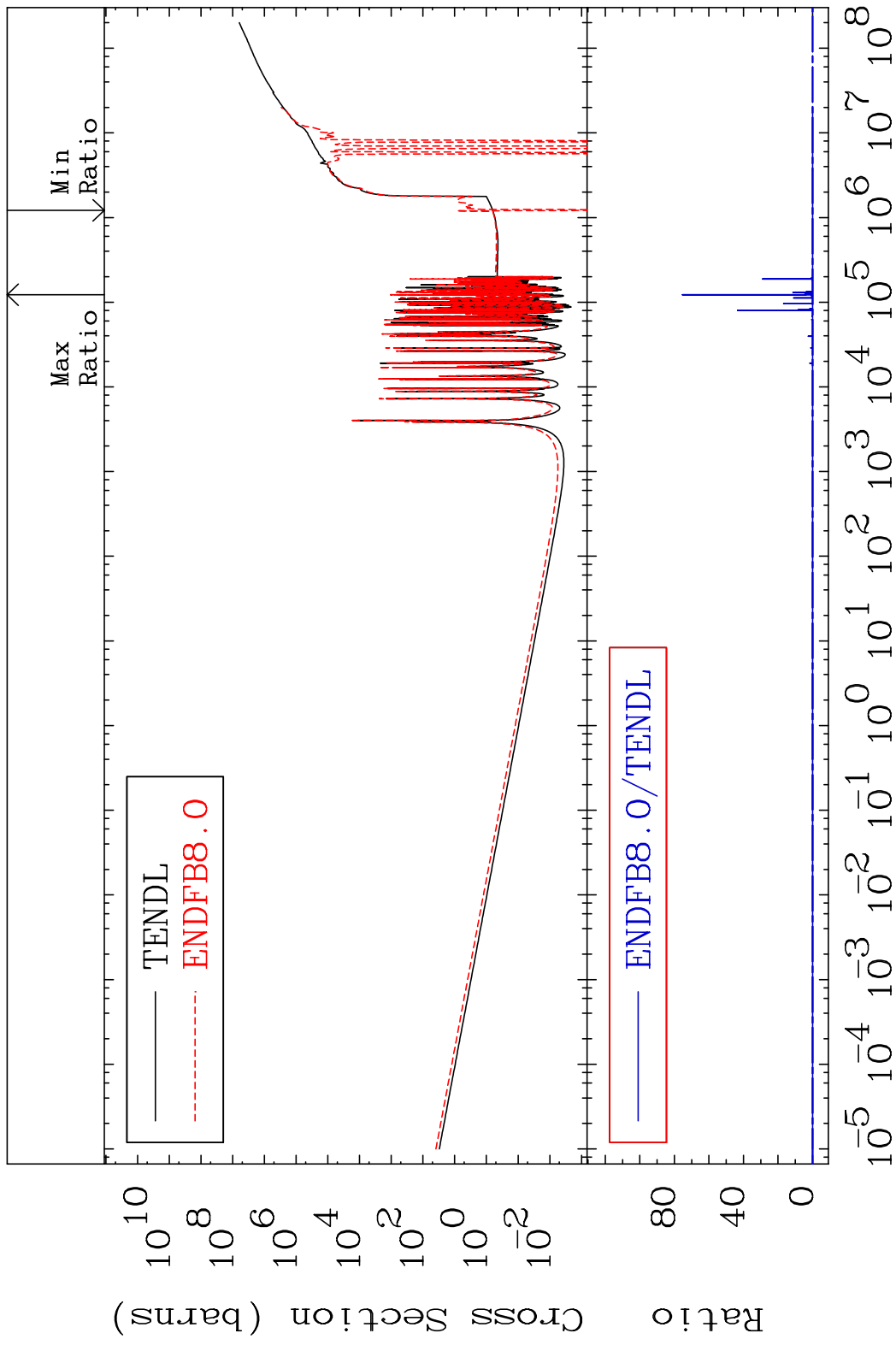
MAT 4025

Kerma elastic
Cross Section

40-Zr-90
-99.14 To 9999. %

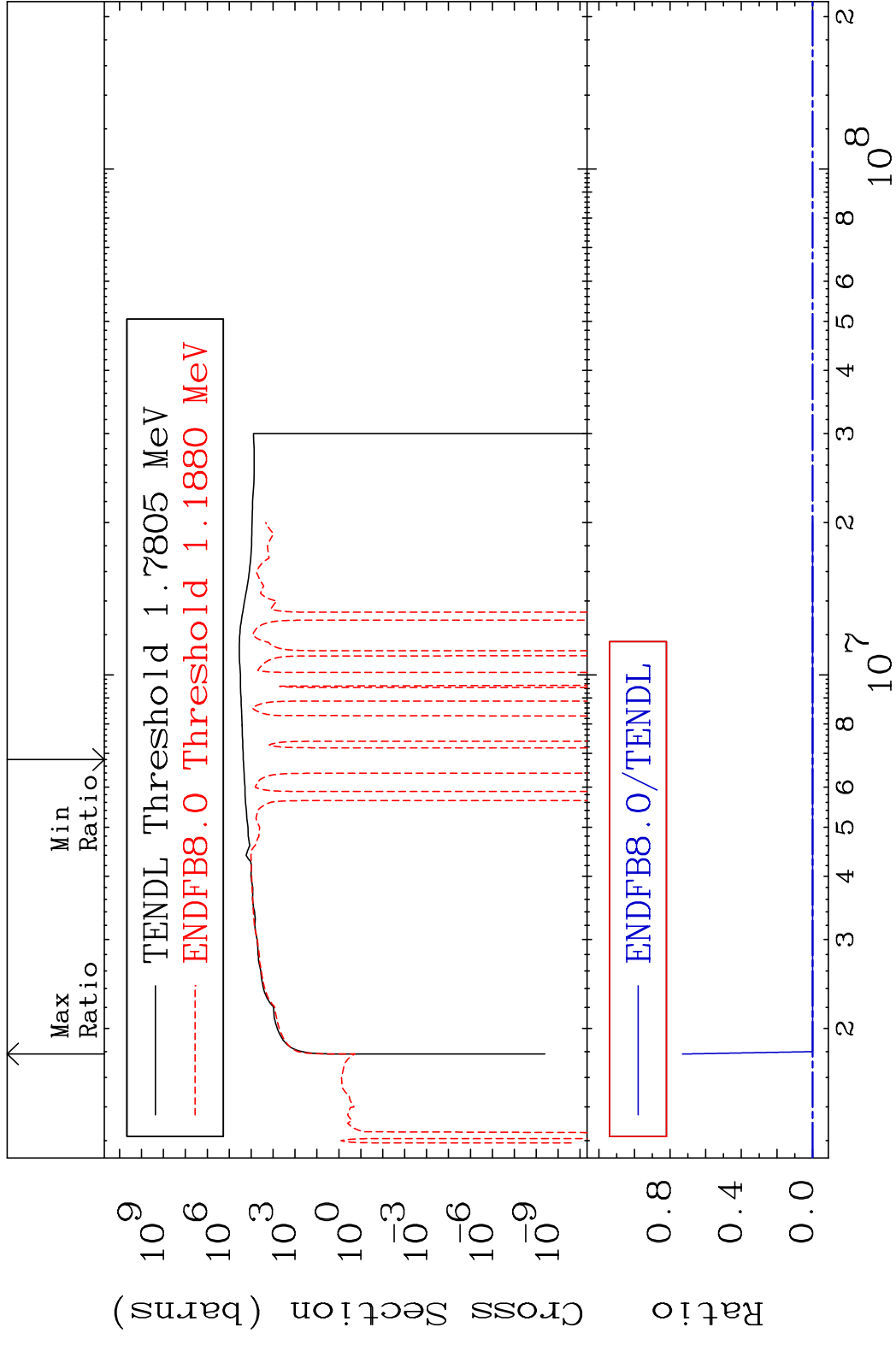


MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90
 Cross Section -646.2 To 9999. %

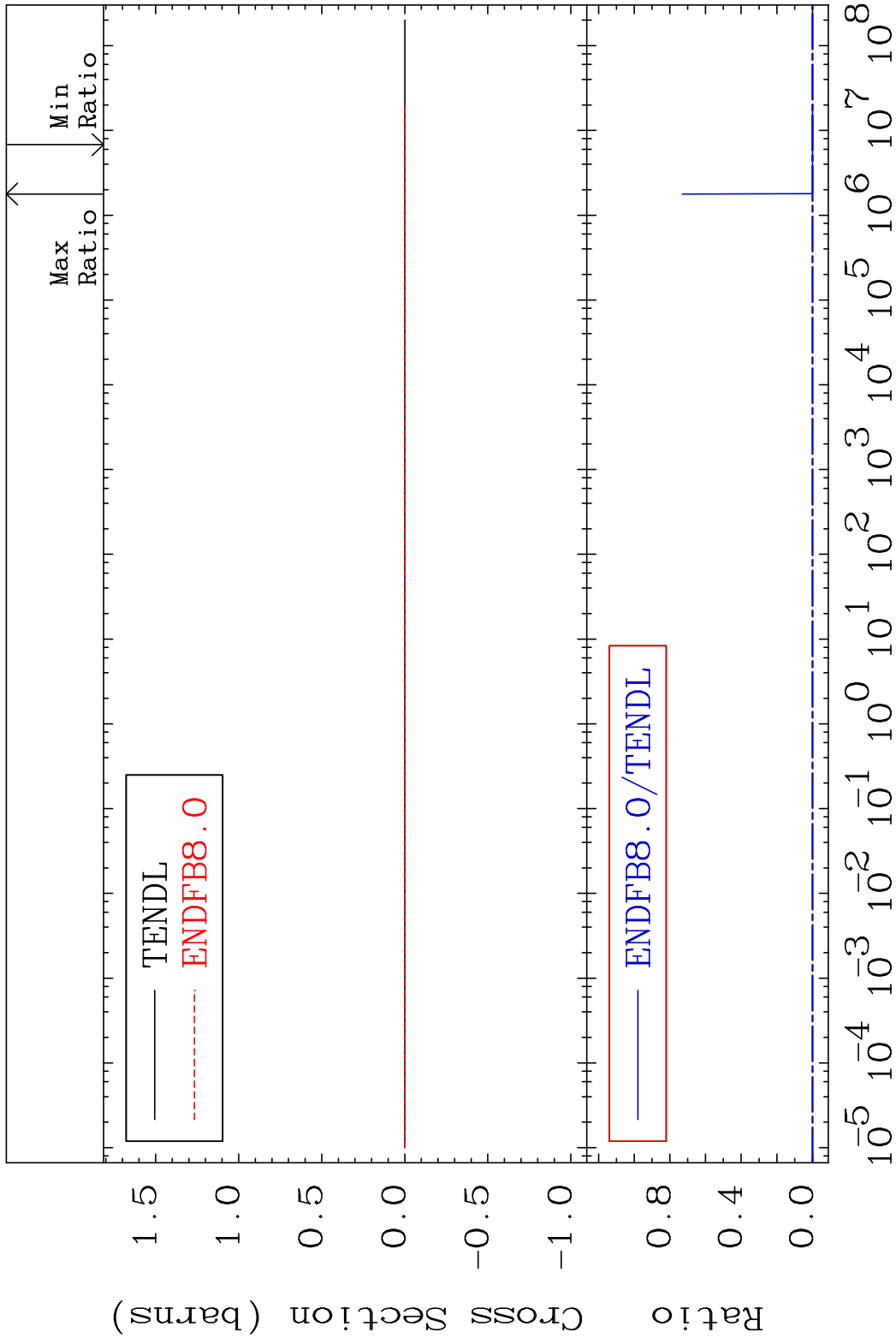


30 Incident Energy (eV) 40-Zr-90

MAT 4025 Kerma inelastic (mt51-91) 40-Zr-90
 Cross Section -139.8 To 9999. %

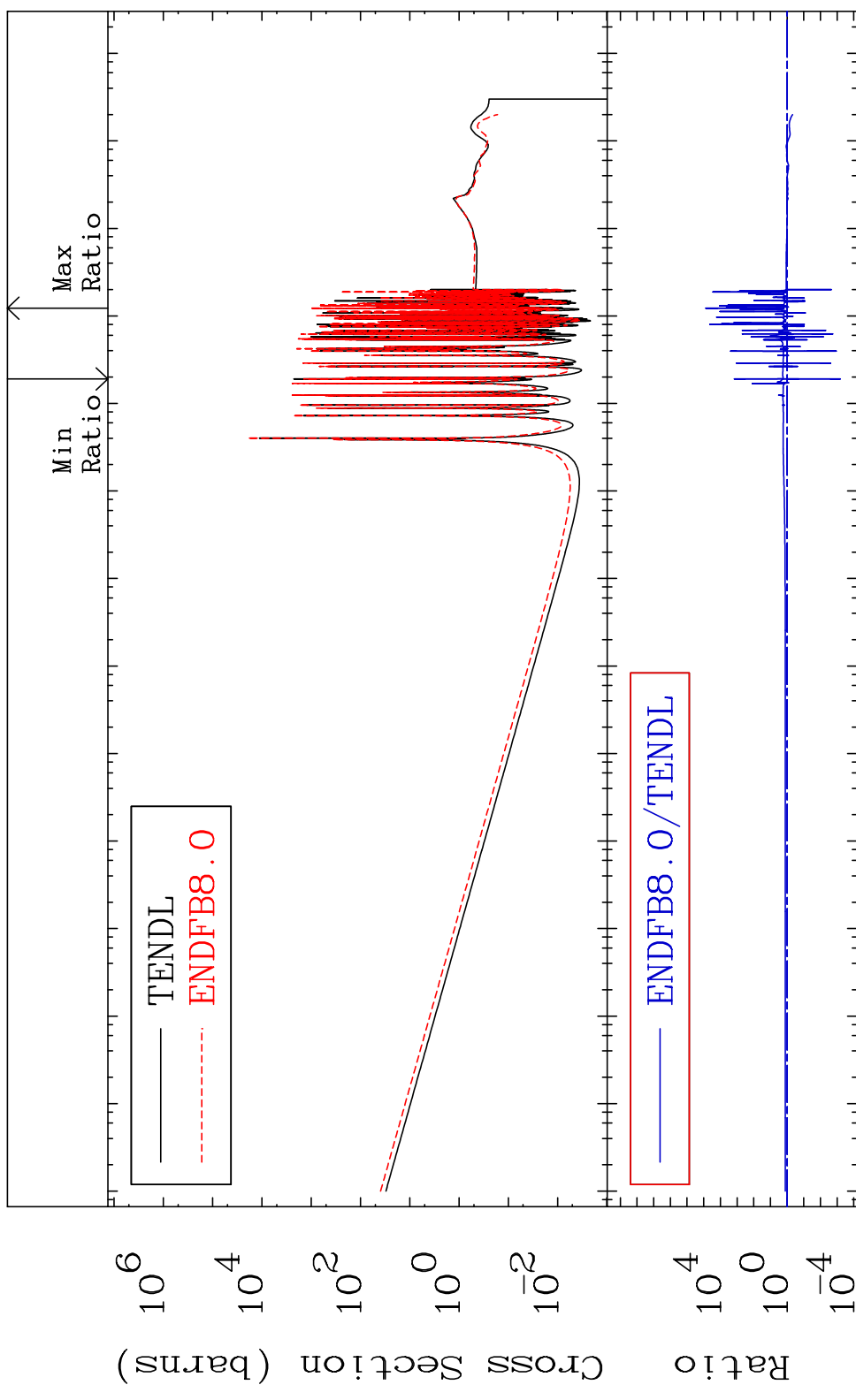


MAT 4025 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-90
 Cross Section -139.8 To 9999. %



MAT 4025

Kerma capture (mt102) 40-Zr-90
Cross Section -99.94 To 9999. %

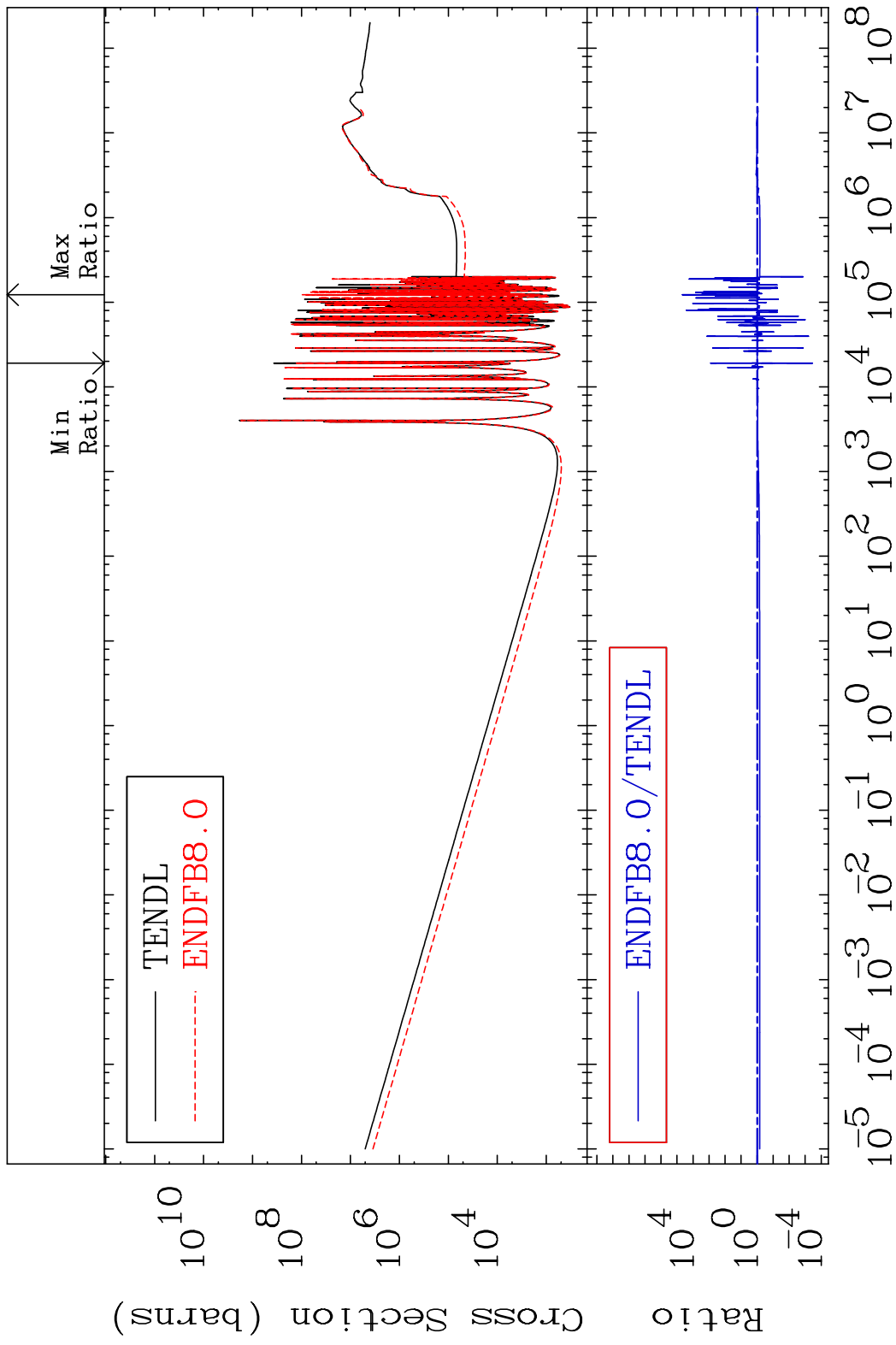


33

Incident Energy (eV)

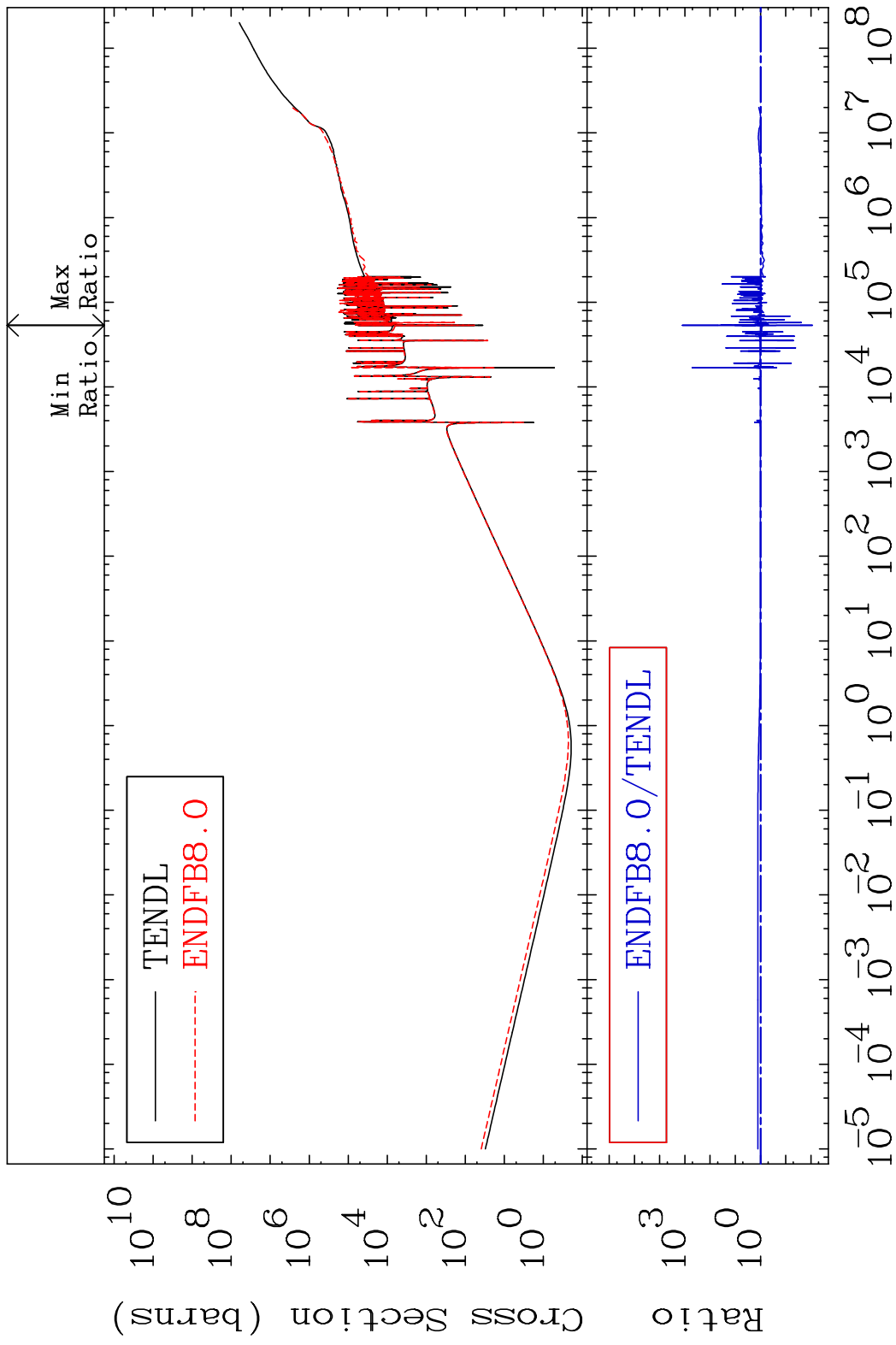
40-Zr-90

MAT 4025 Total photon (eV-barns) 40-Zr-90
 Cross Section -99.97 To 9999. %

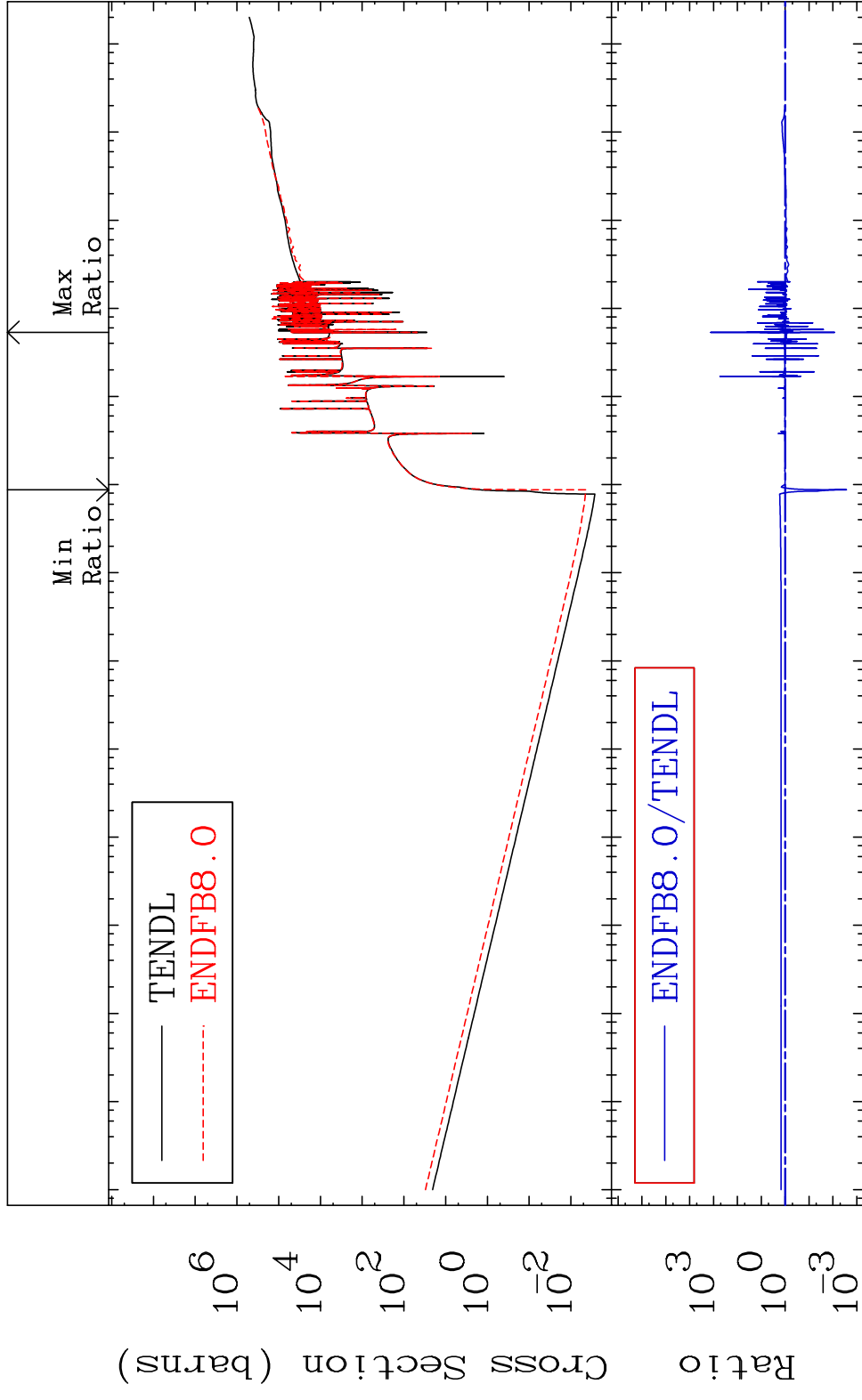


34 Incident Energy (eV) 40-Zr-90

MAT 4025 Total kinematic kerma (high limit) 40-Zr-90
 Cross Section -99.14 To 9999. %



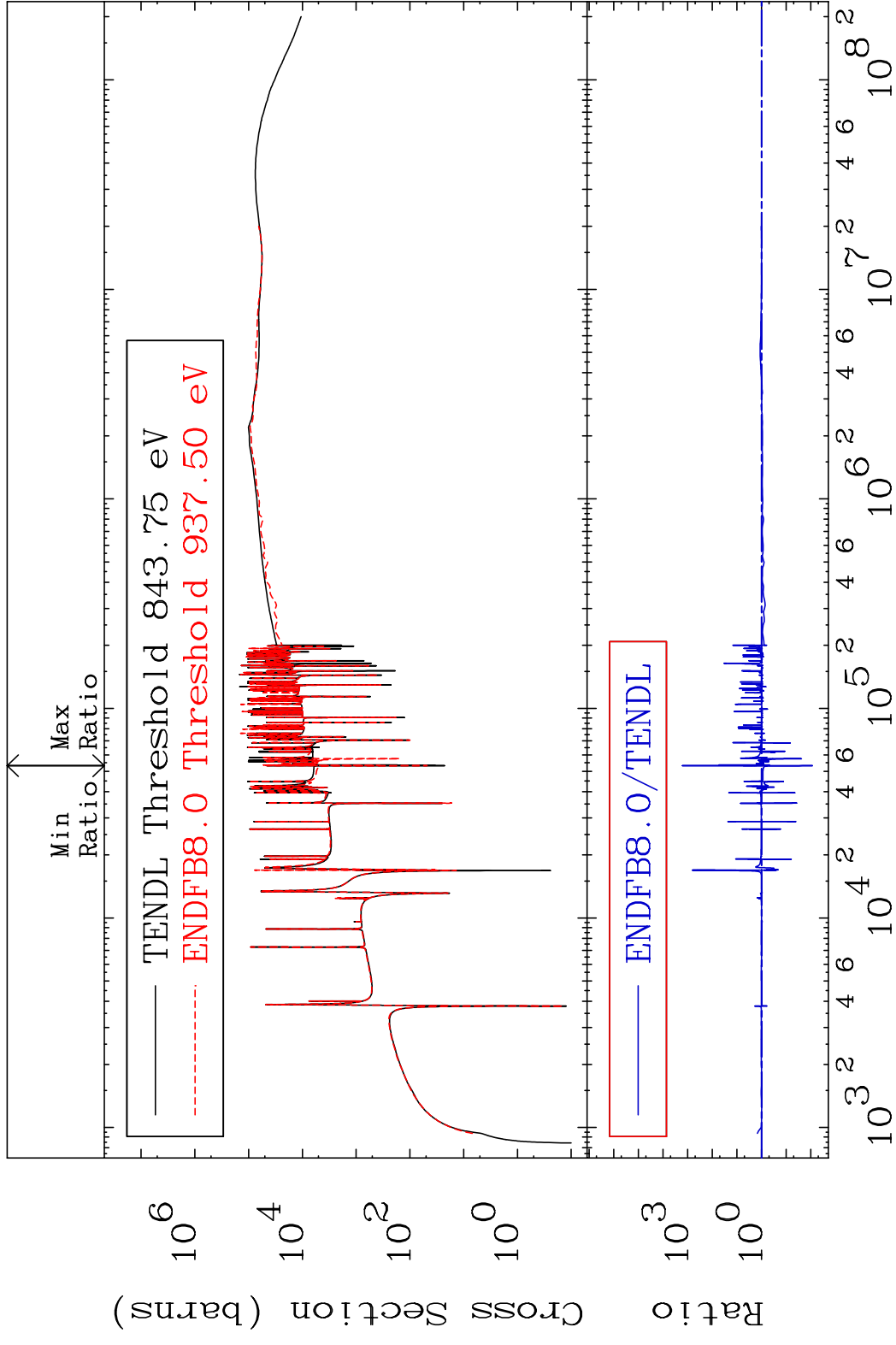
MAT 4025 Dpa total (eV-barns) 40-Zr-90
 Cross Section -99.72 To 9999. %



36 Incident Energy (eV) 40-Zr-90

MAT 4025

Dpa elastic (mt2) 40-Zr-90
Cross Section -99.14 To 9999. %

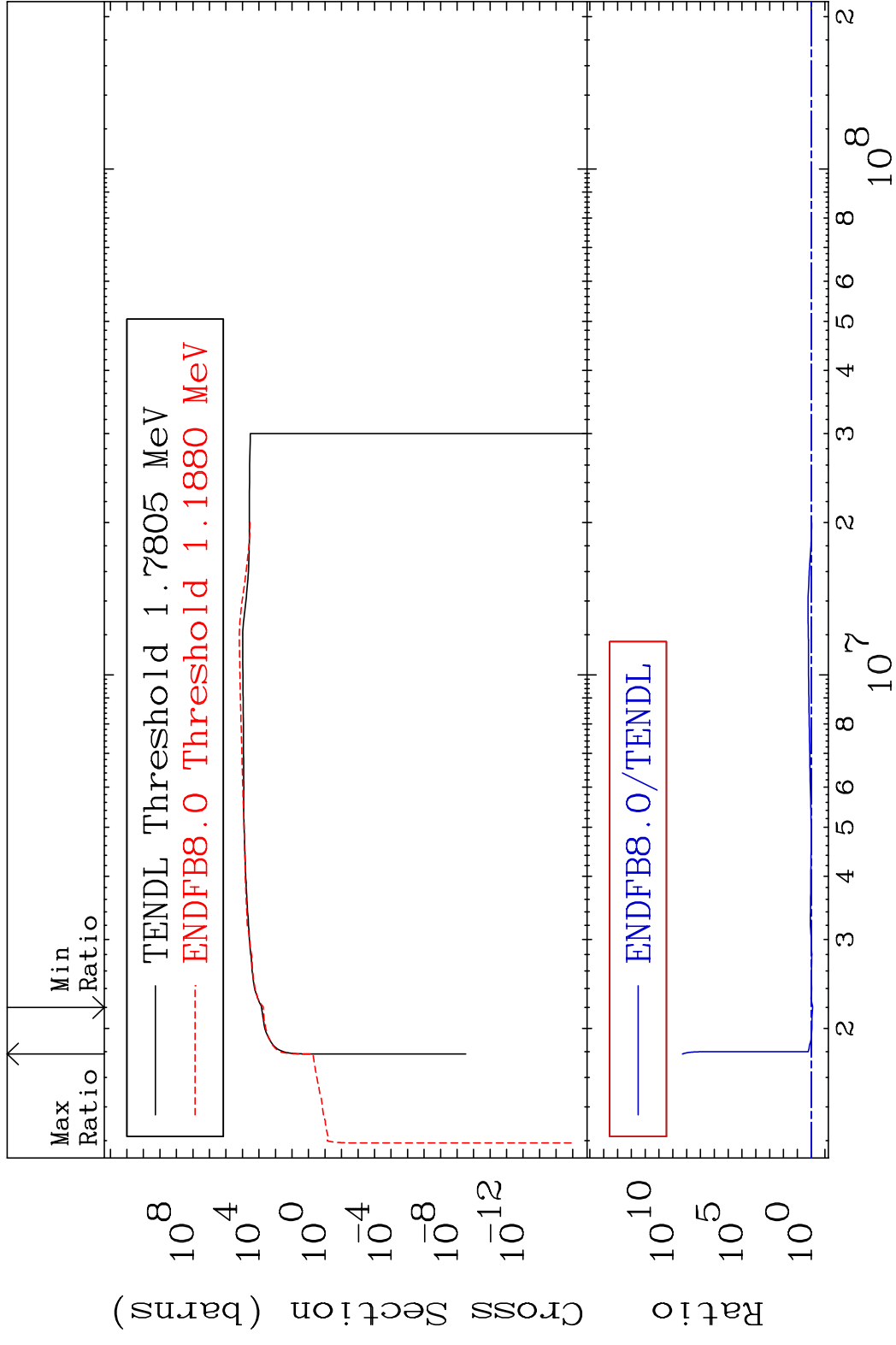


37

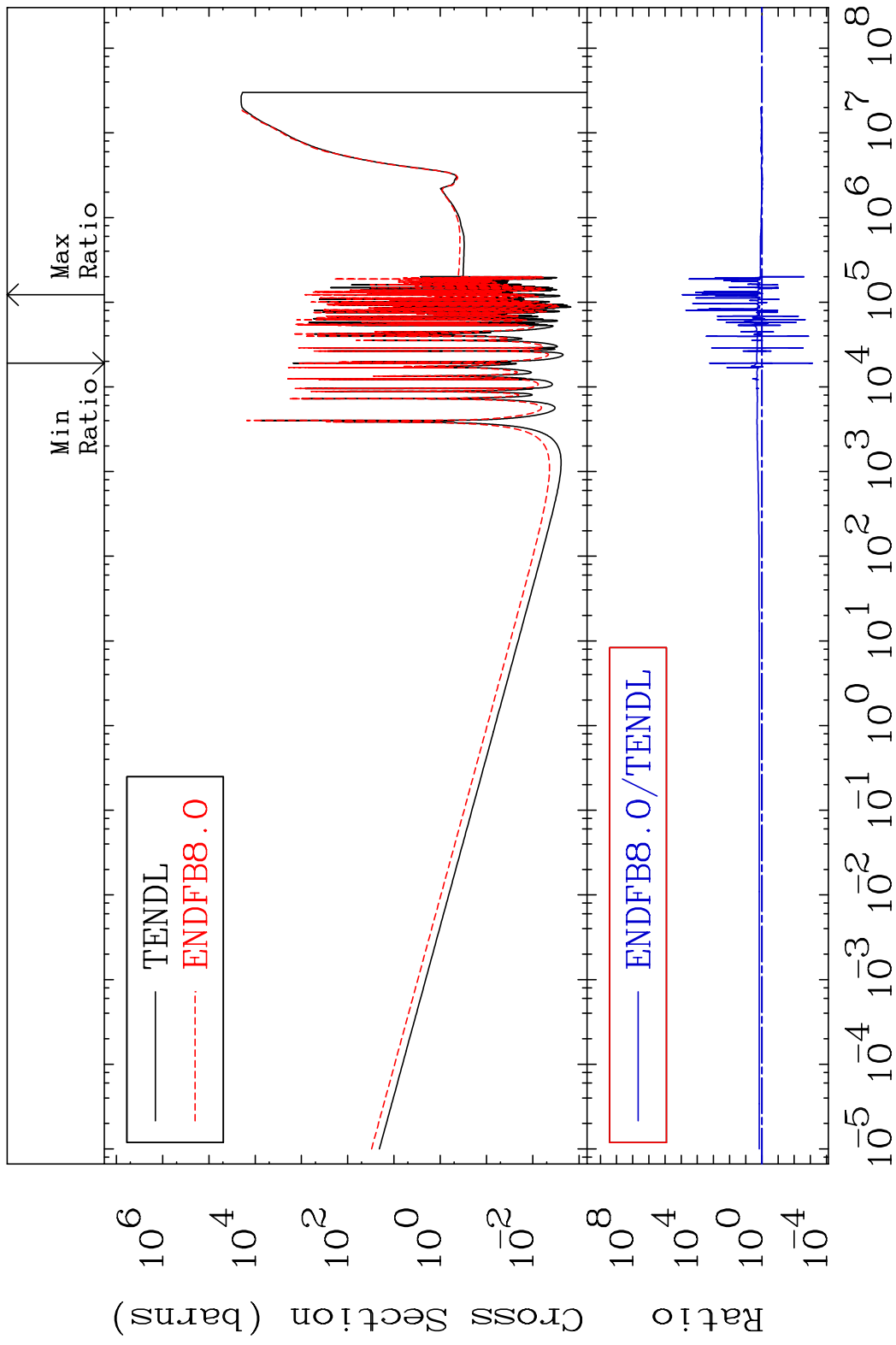
Incident Energy (eV)

40-Zr-90

MAT 4025 Dpa inelastic (mt51-91) 40-Zr-90
 Cross Section -20.75 To 9999. %

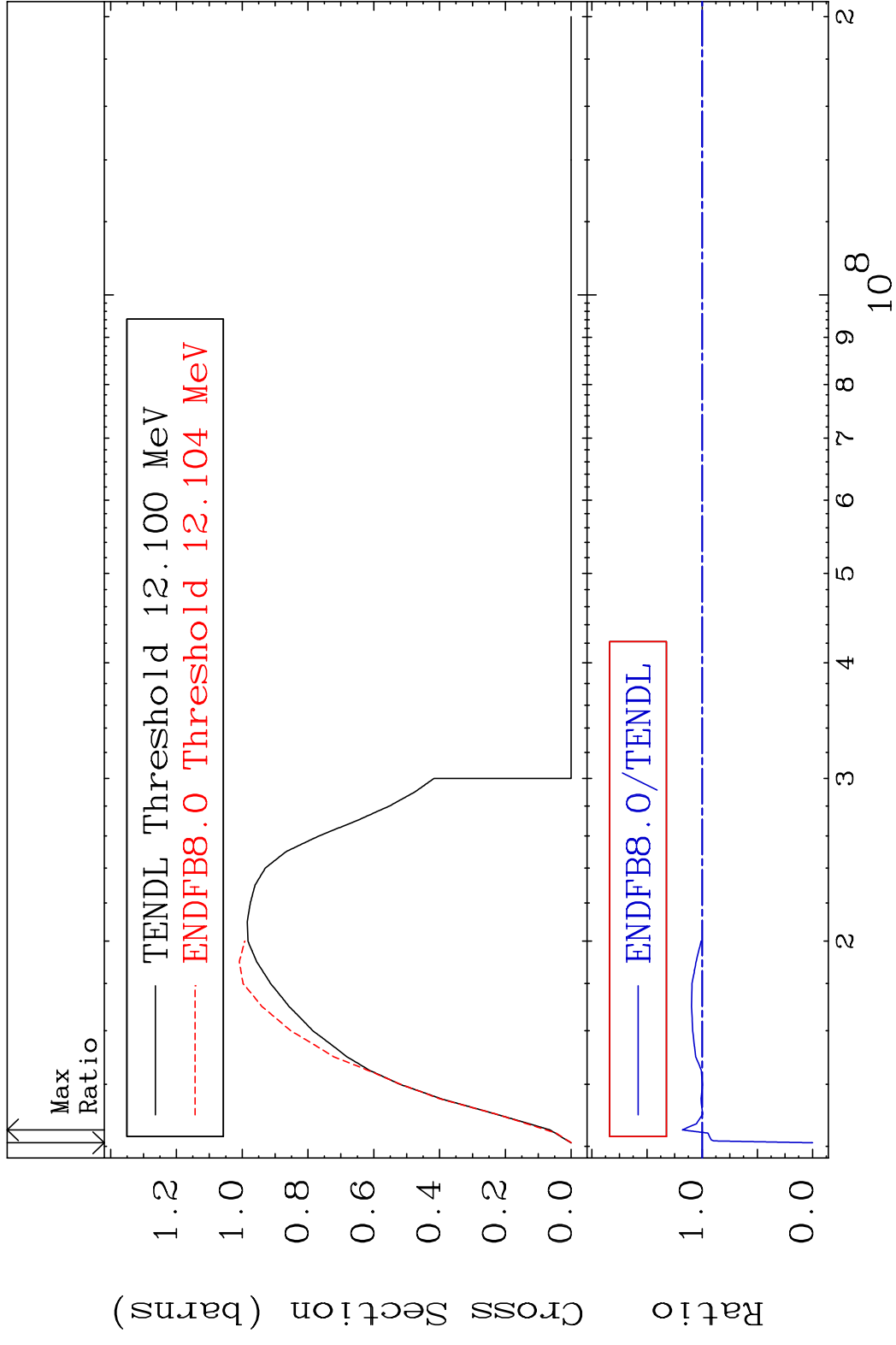


MAT 4025 Dpa disappearance (mt102 -120) 40-Zr-90
 Cross Section -99.93 To 9999. %



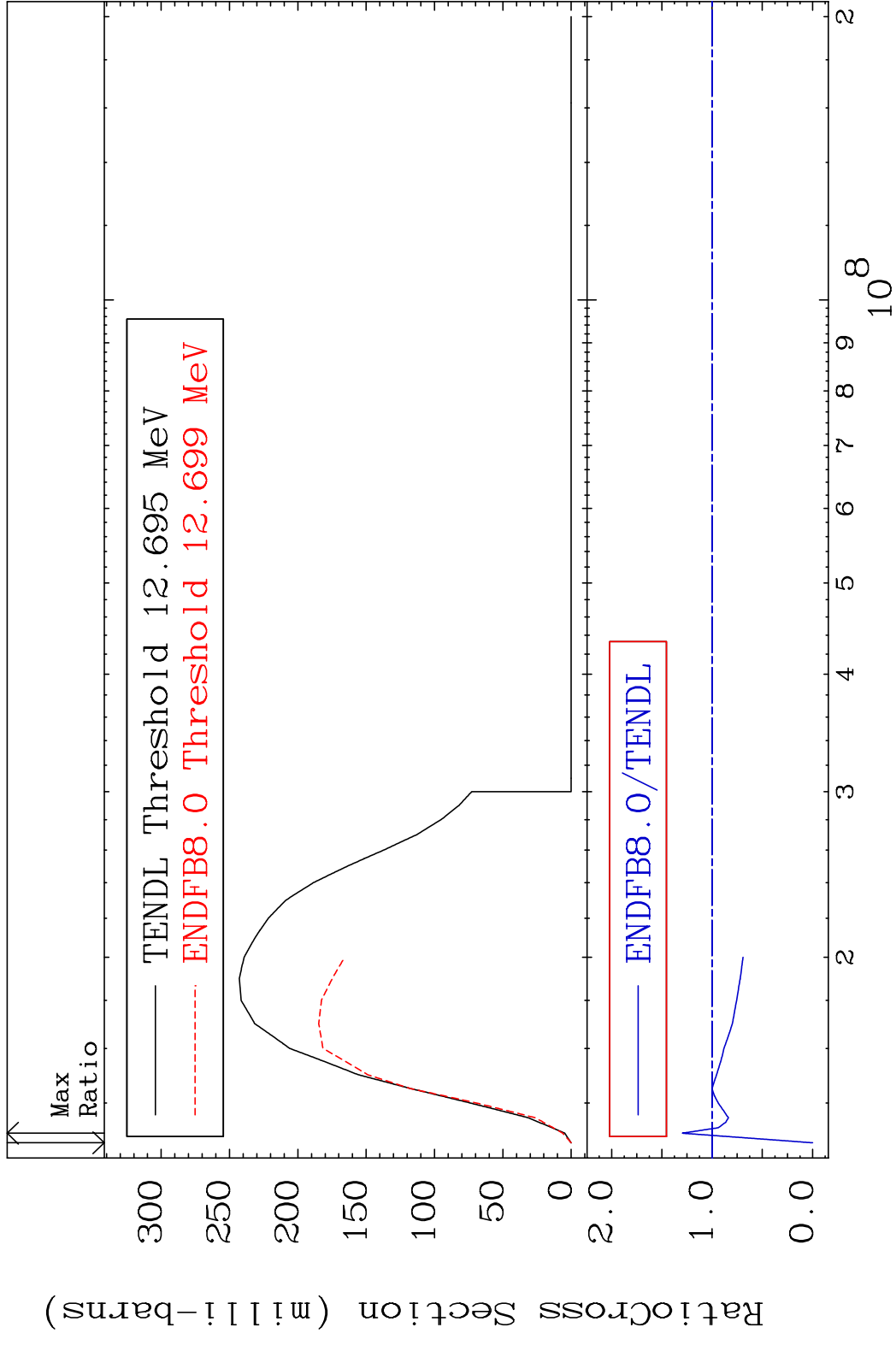
39 Incident Energy (eV) 40-Zr-90

MAT 4025 (n,2n):40-Zr-89g 40-Zr-90
 Radionuclide Production Cross Section Ratio 18.0% to 17.96 %

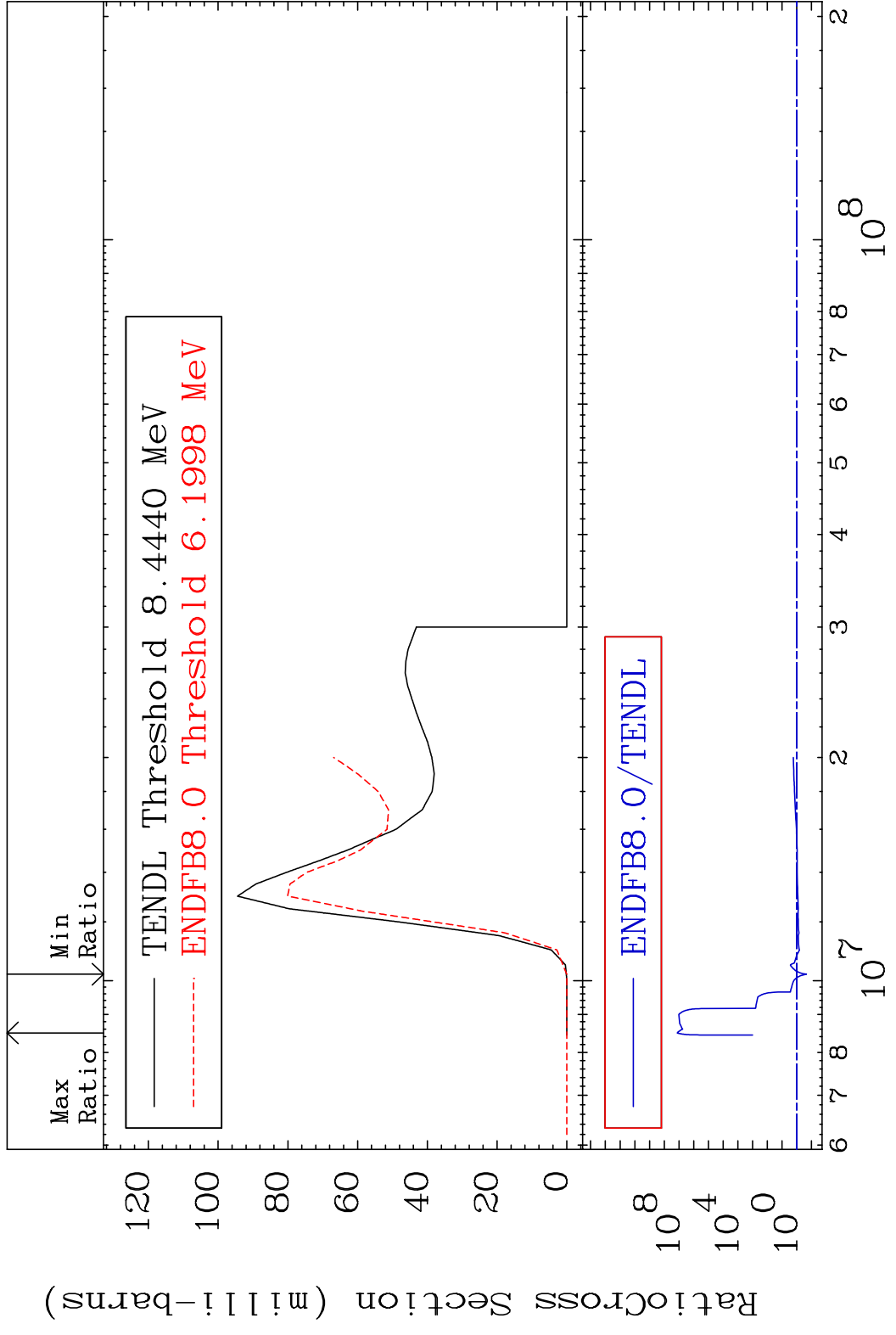


40 Incident Energy (eV) 40-Zr-90

MAT 4025 (n,2n):40-Zr-89m1 40-Zr-90
 Radionuclide Production Cross Section Ratio 29.59 %

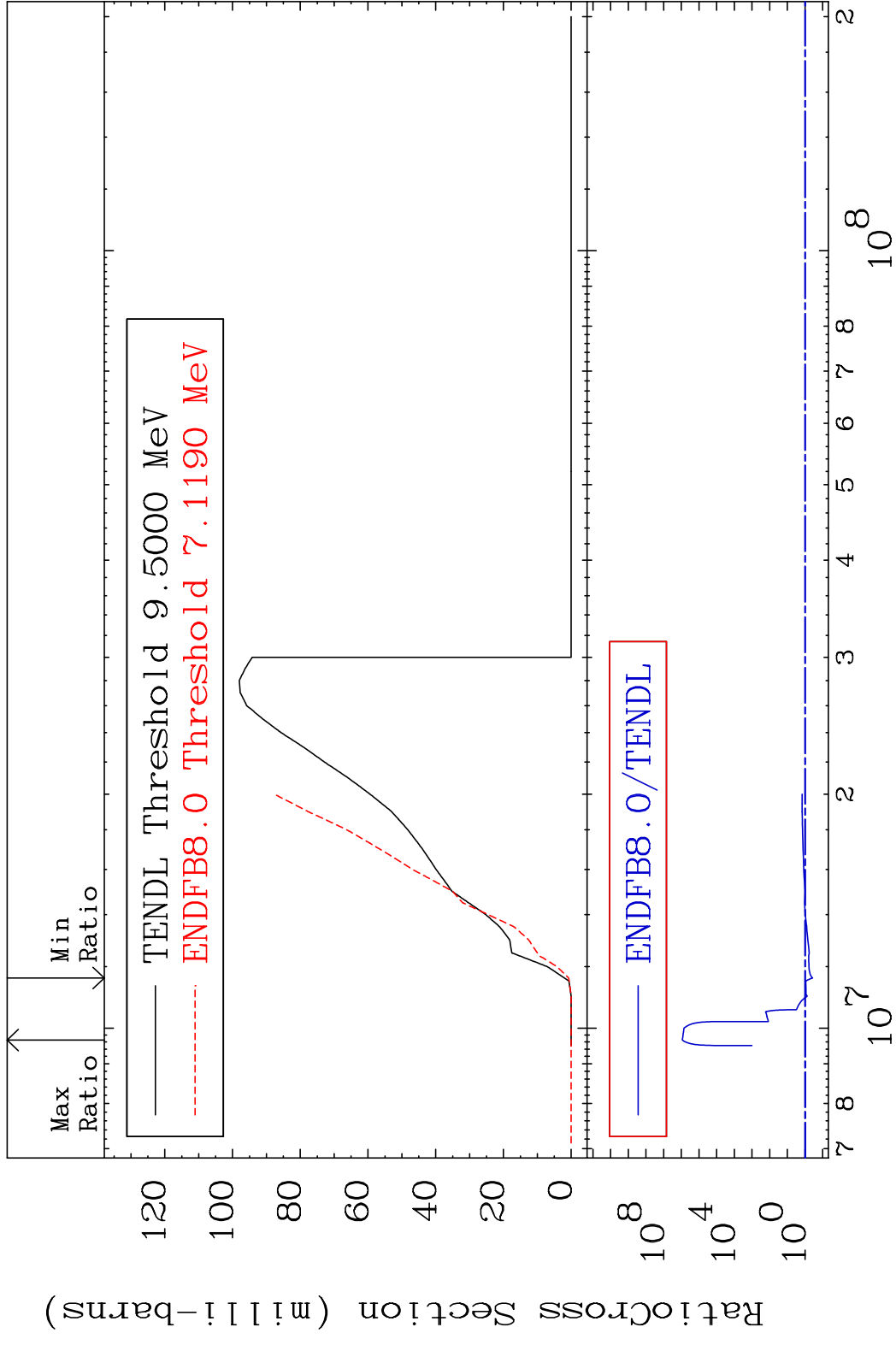


MAT 4025 (n, n') p:39-Y -89g 40-Zr-90
 Radionuclide Production Cross Section to 9999. %

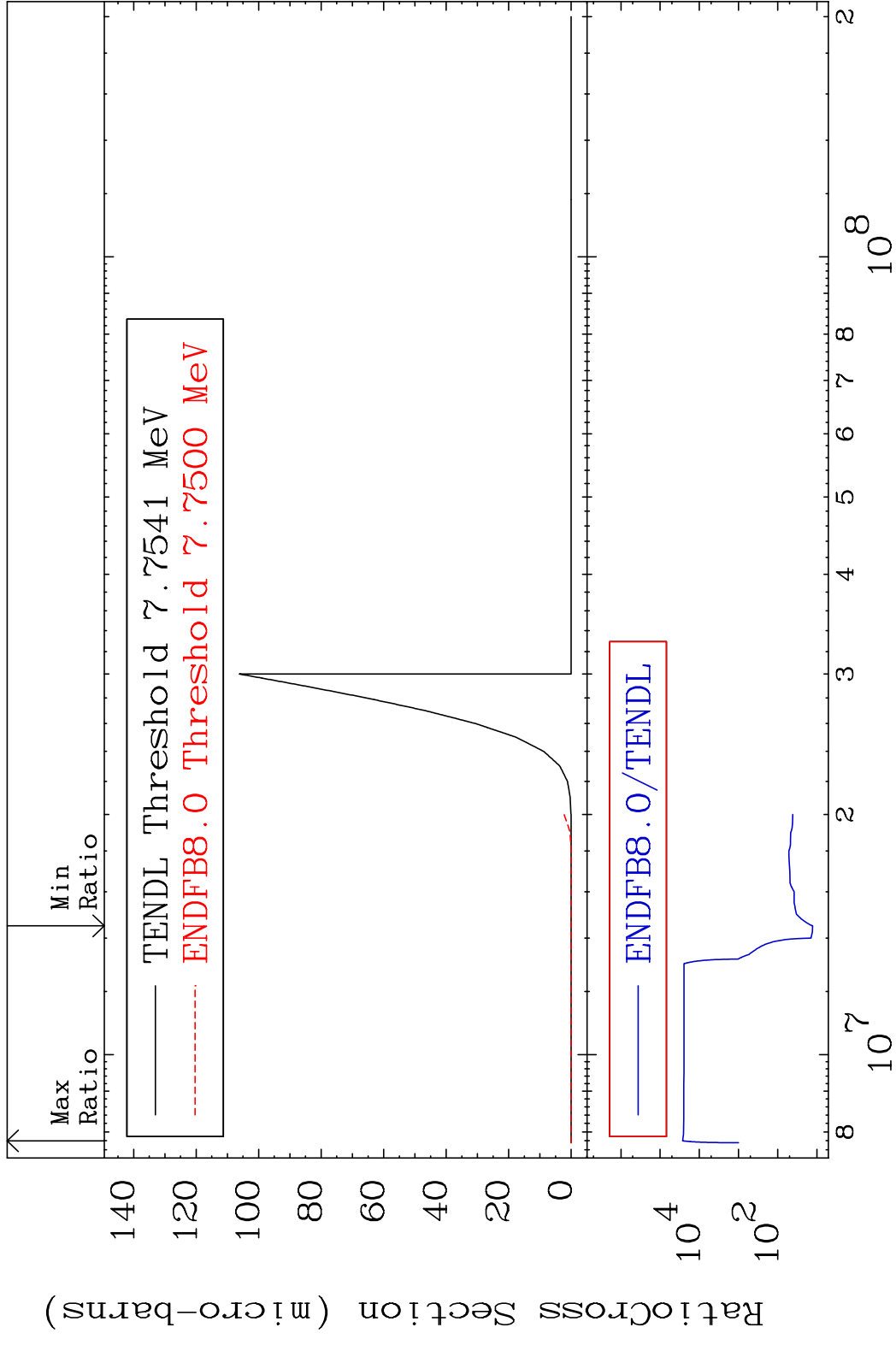


42 Incident Energy (eV) 40-Zr-90

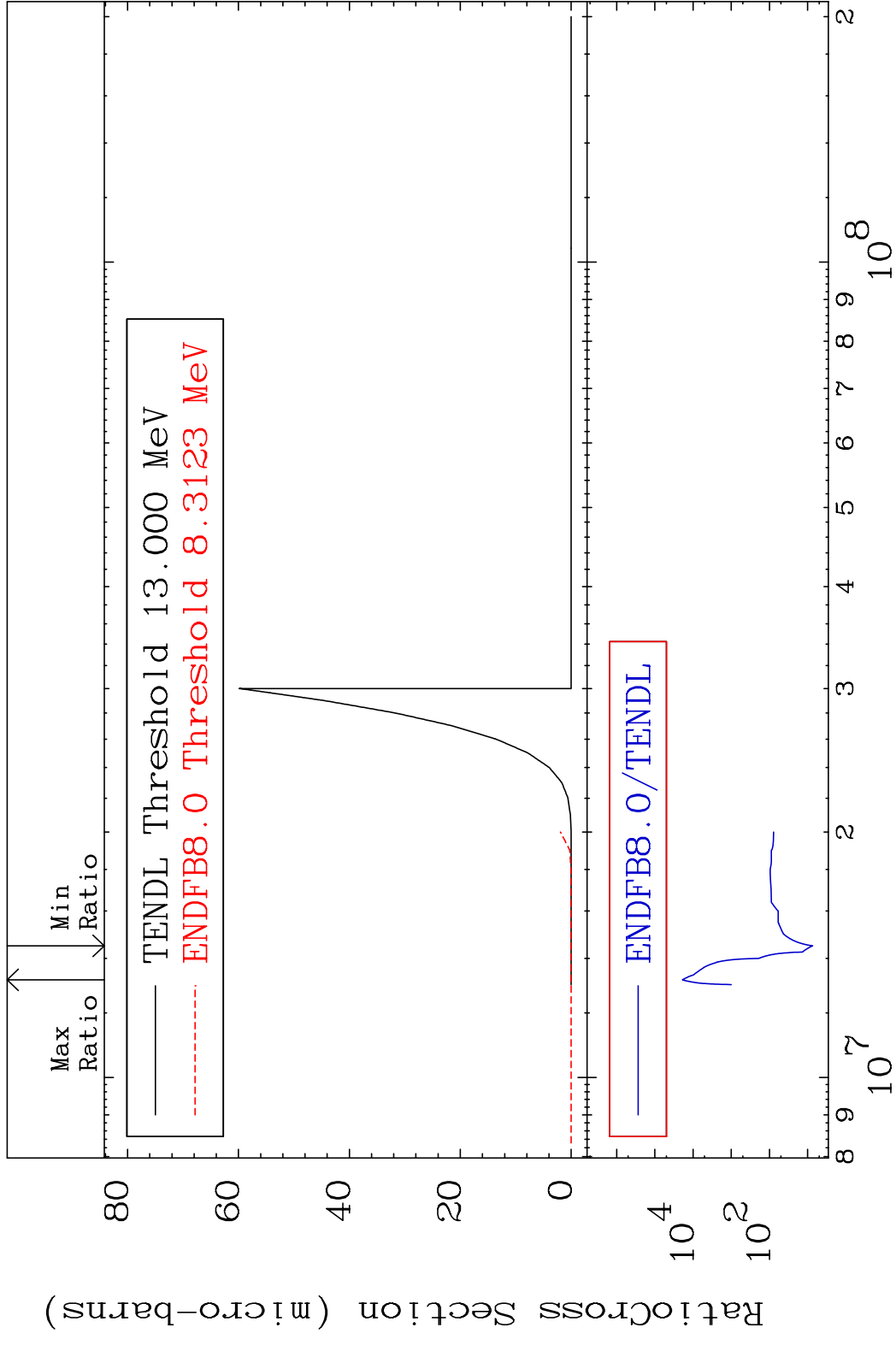
MAT 4025 (n, n') p:39-Y -89m1 40-Zr-90
 Radionuclide Production Cross Section 9999. %



MAT 4025 (n,p) α :37-Rb-86g 40-Zr-90
 Radionuclide Production Cross Section 1999. %



MAT 4025 (n,p) α :37-Rb-86m2 40-Zr-90
 Radionuclide Production Cross Section 9999. %



45 Incident Energy (eV) 40-Zr-90