

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

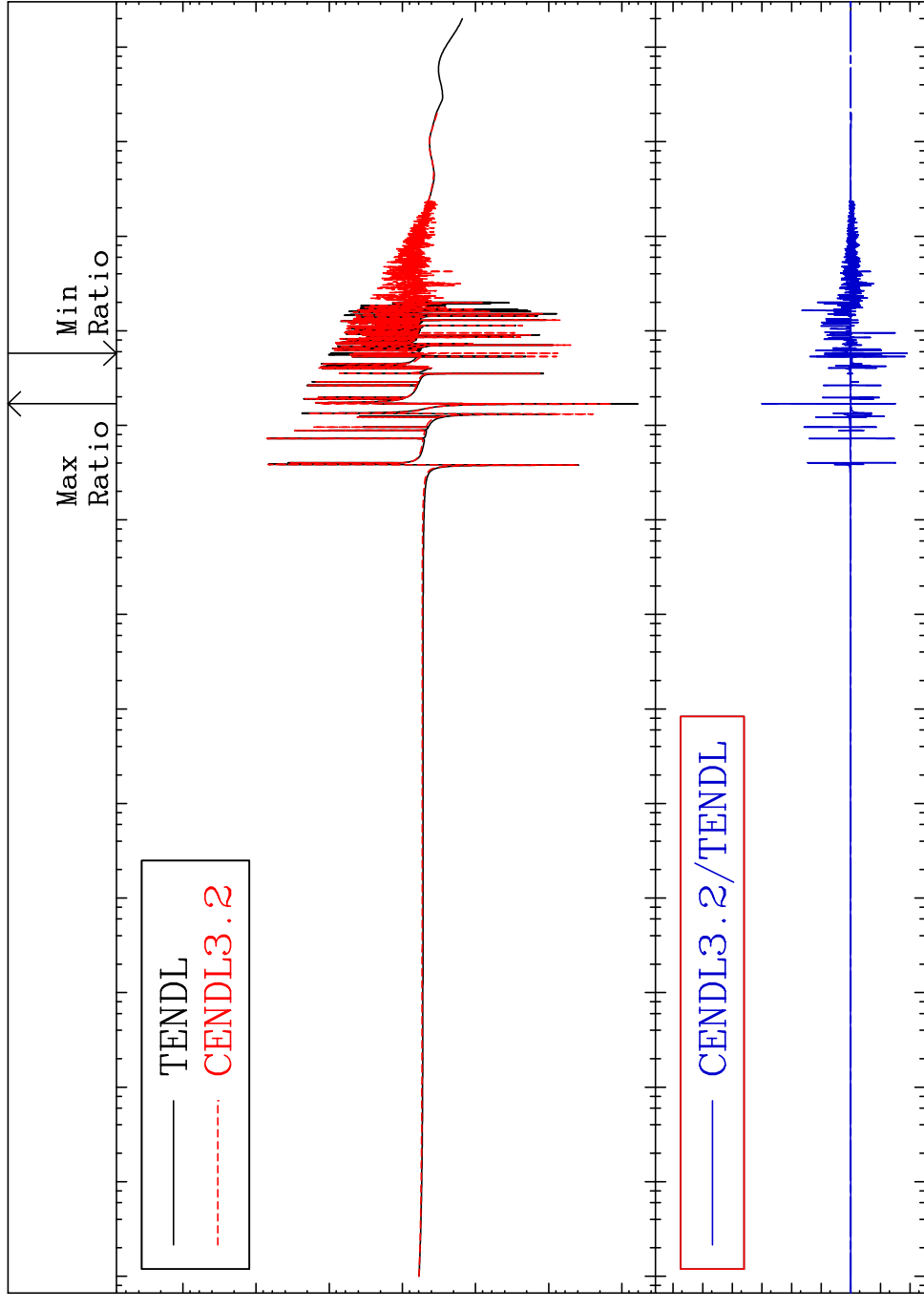
MAT 4025

Total

40-Zr-90

Cross Section

-98.75 To 9999. %



10^4
 10^3
 10^2
 10^1
 10^0
 10^{-1}
 10^{-2}

Cross Section (barns)

10^3
 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)

1

40-Zr-90

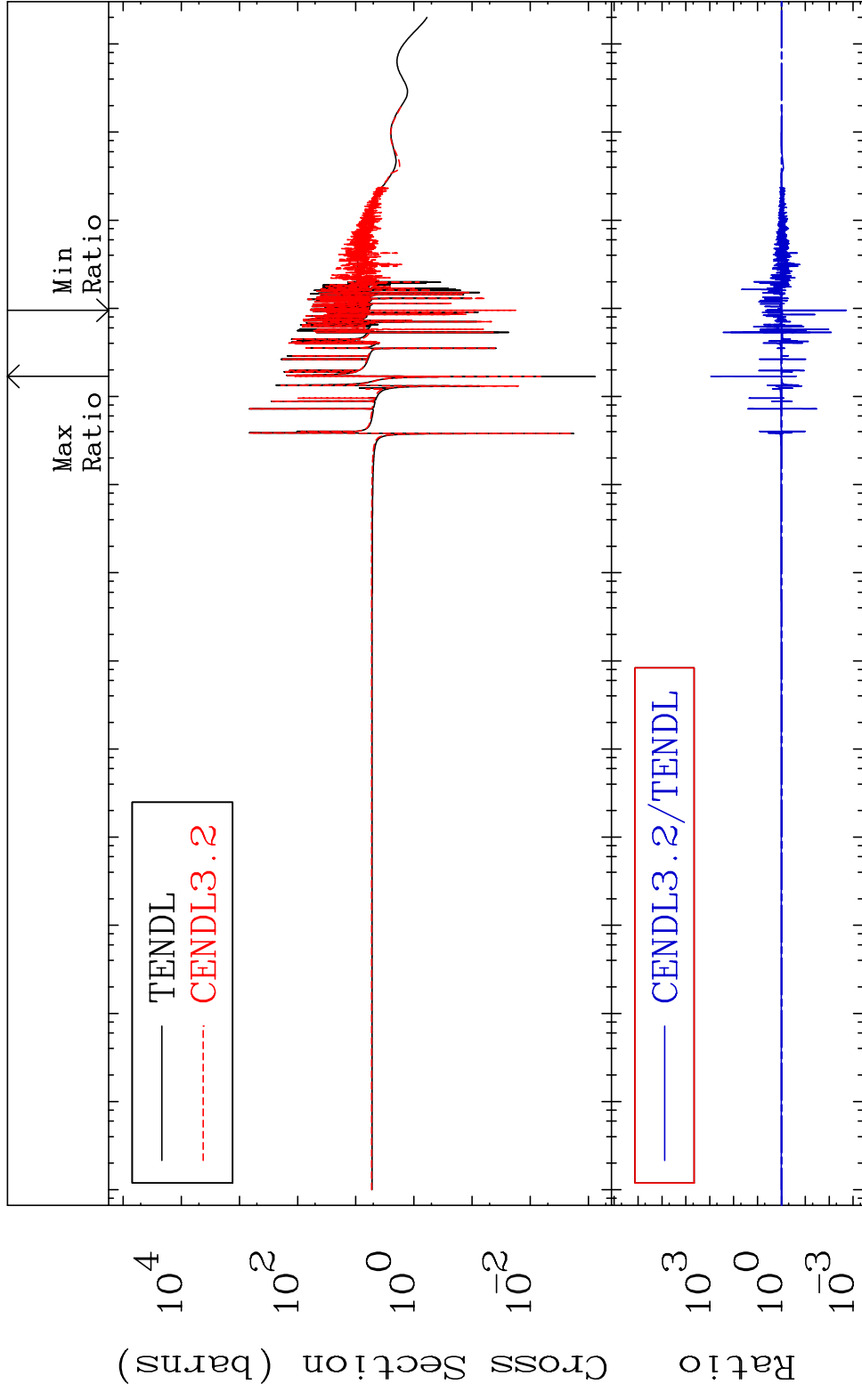
MAT 4025

Elastic

40-Zr-90

Cross Section

-99.81 To 9999. %

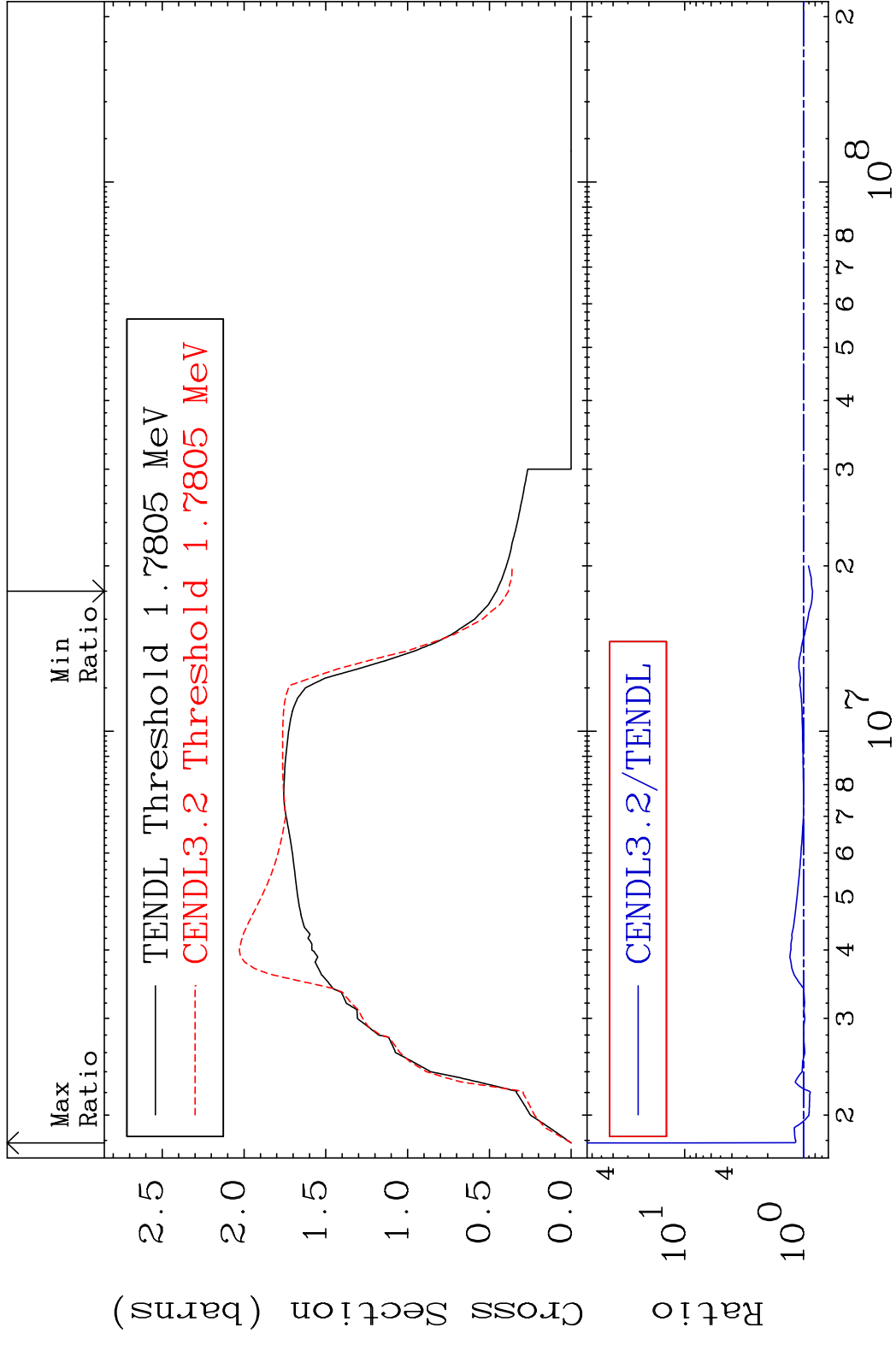


2

Incident Energy (eV)

40-Zr-90

MAT 4025 Inelastic 40-Zr-90
 Cross Section -15.98 To 945.3 %



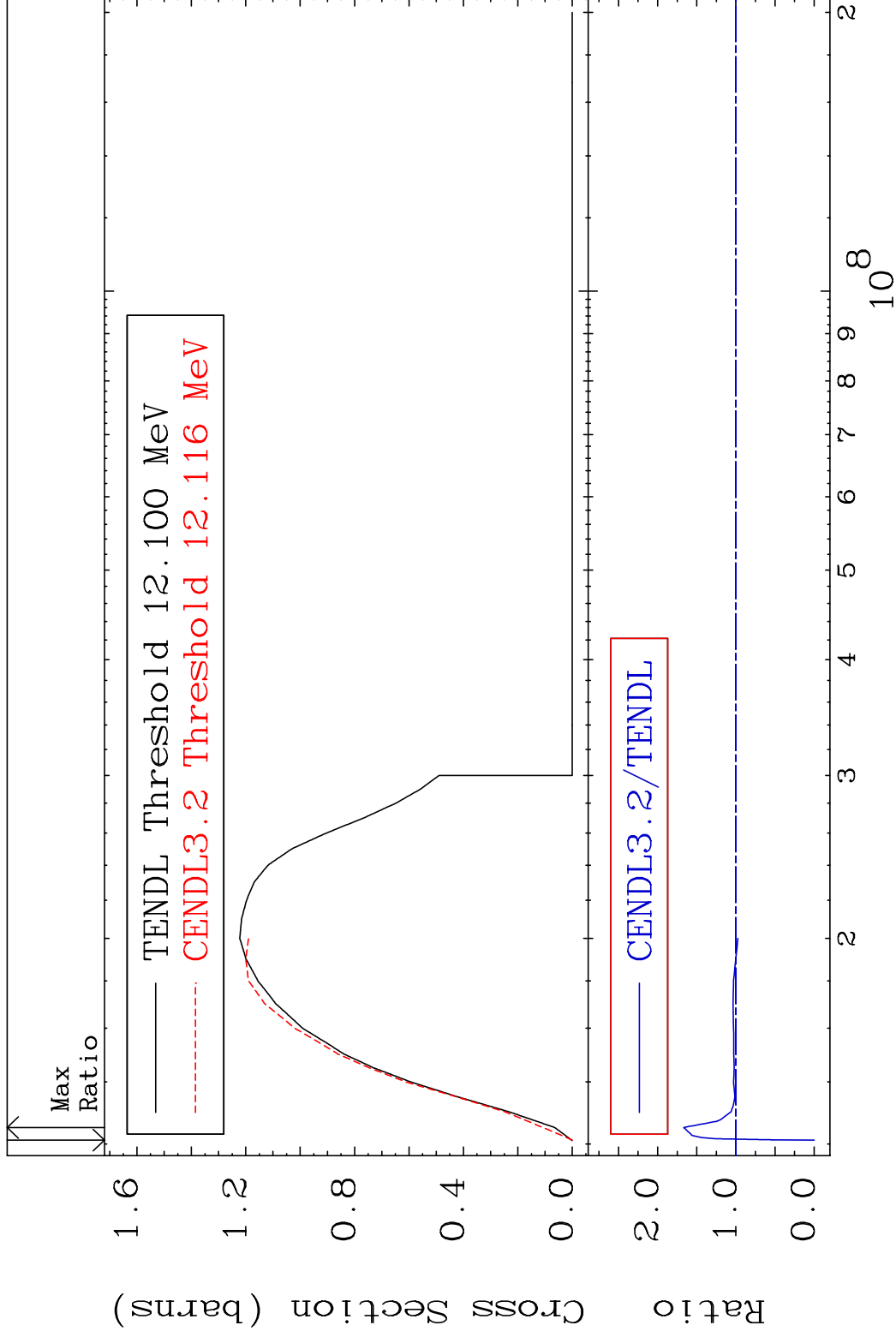
3 3 Incident Energy (eV) 40-Zr-90

MAT 4025

(n,2n)

40-Zr-90

Cross Section -100.0 To 66.74 %

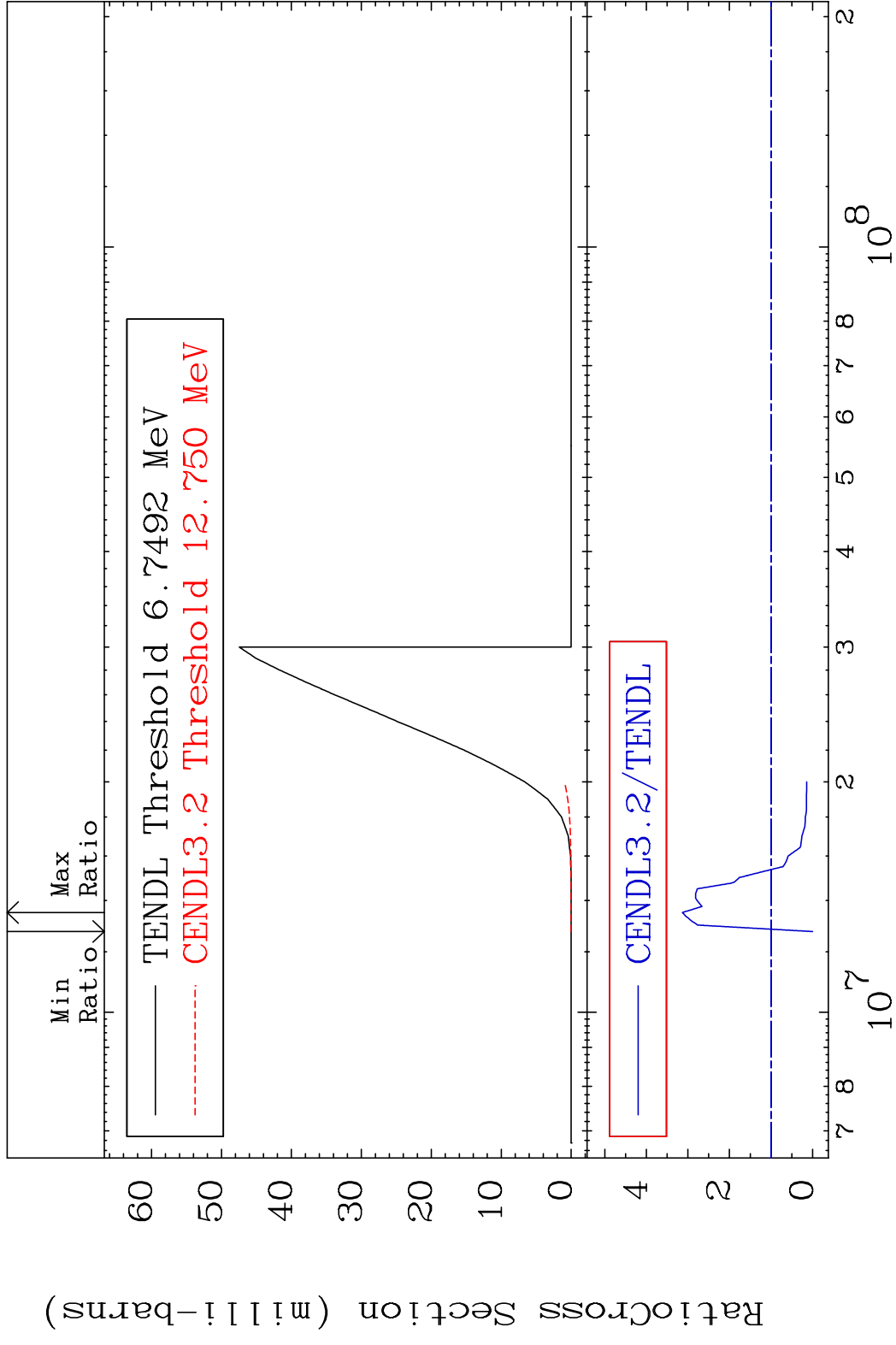


4

Incident Energy (eV)

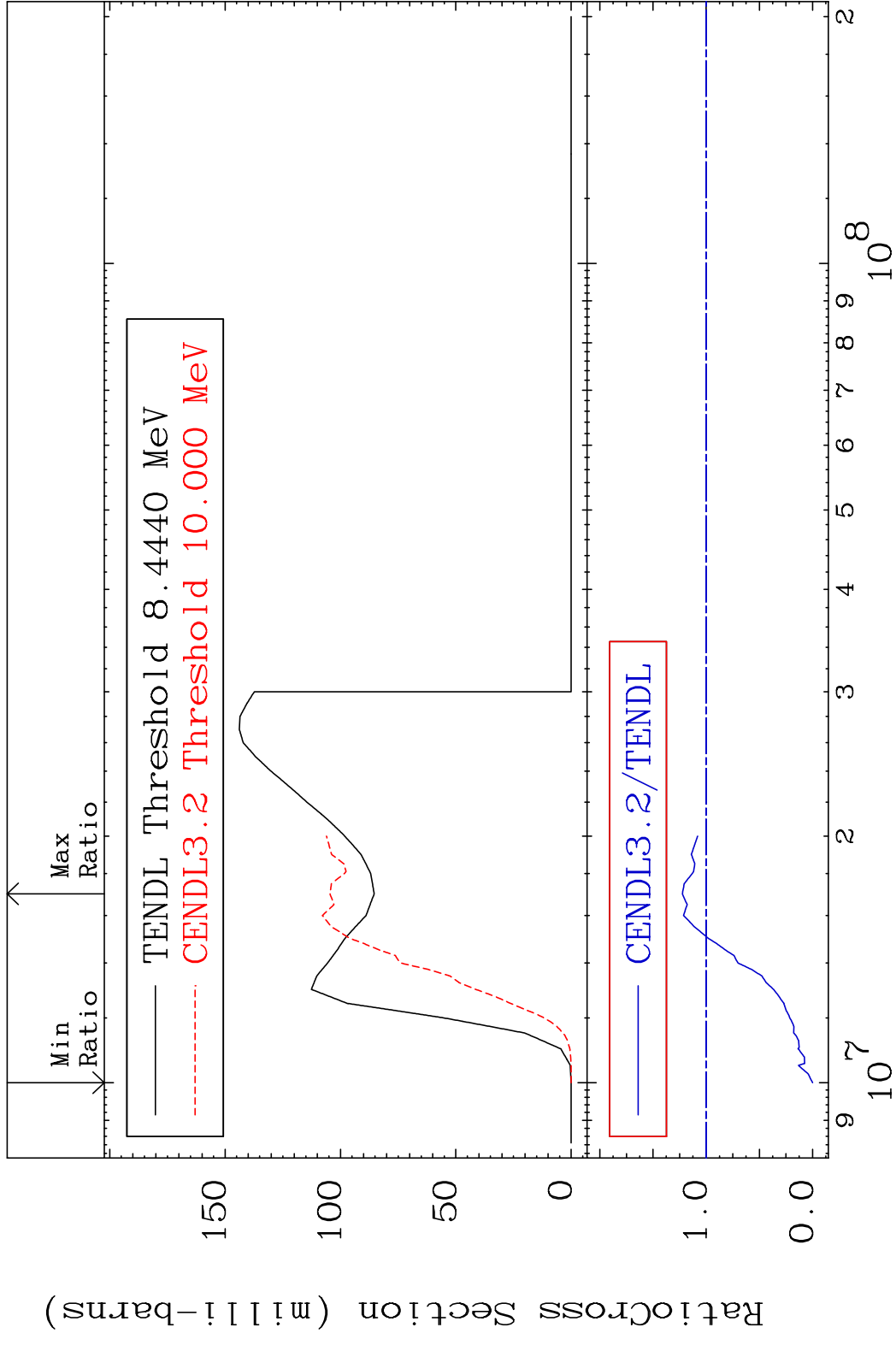
40-Zr-90

MAT 4025 (n, n') α 40-Zr-90
 Cross Section -100.0 To 213.4 %



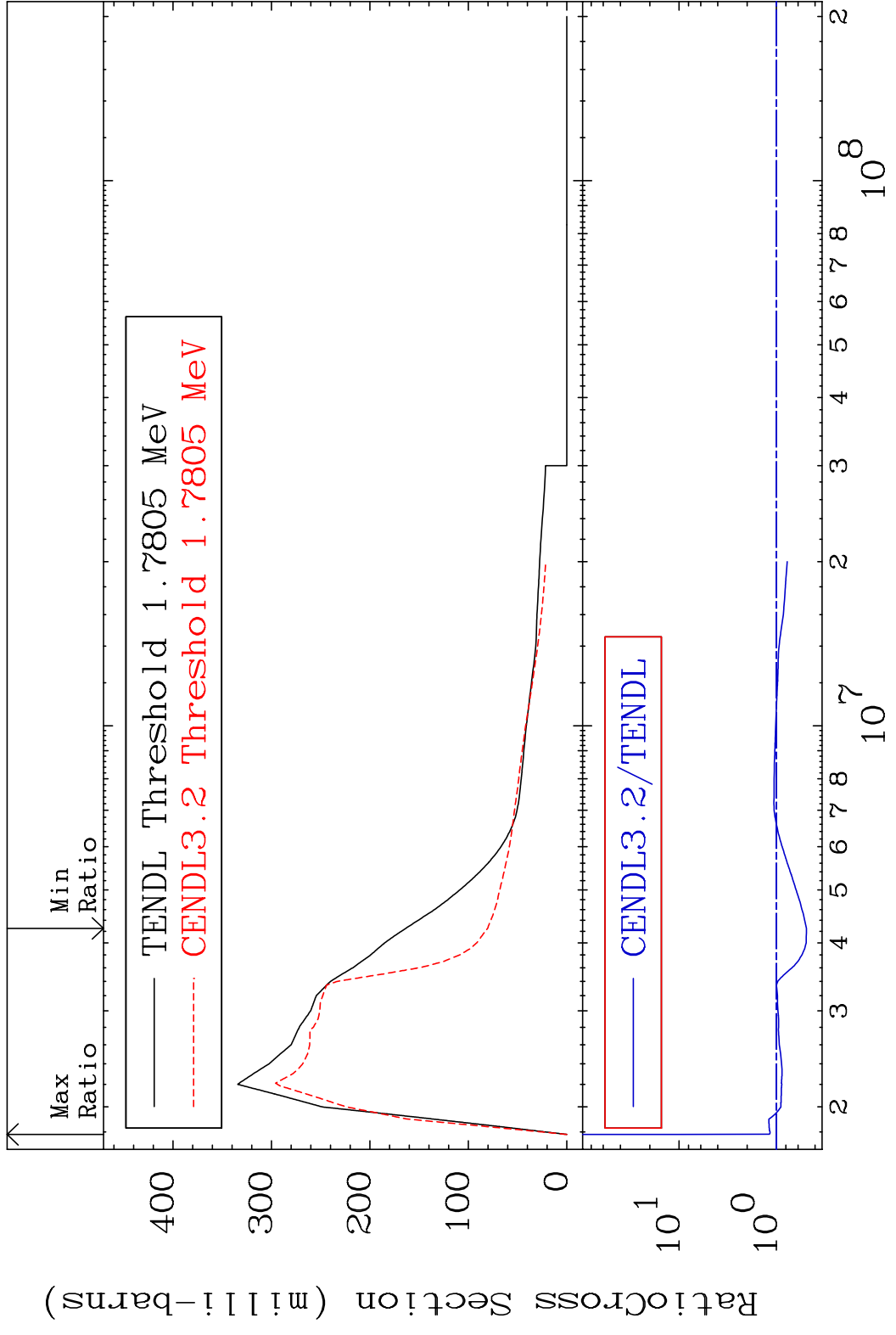
5 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2

MAT 4025 (n, n') p 40-Zr-90
 Cross Section -100.0 To 22.41 %



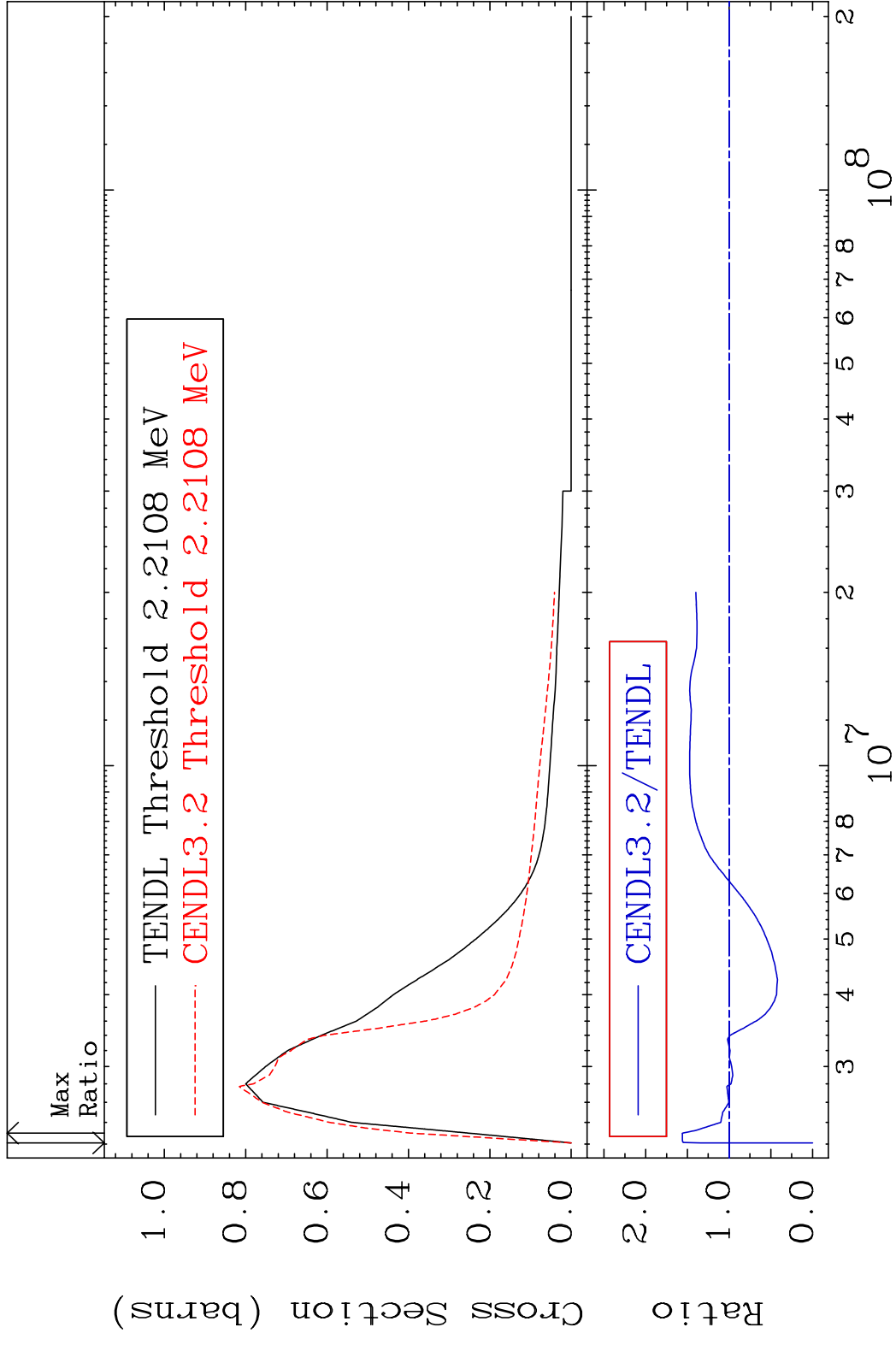
6 9 10 7 2 8 9 4 5 6 7 8 9 10 8 2 40-Zr-90

MAT 4025 MT= 51 (n,n') Level 40-Zr-90
 Cross Section -50.80 To 945.3 %



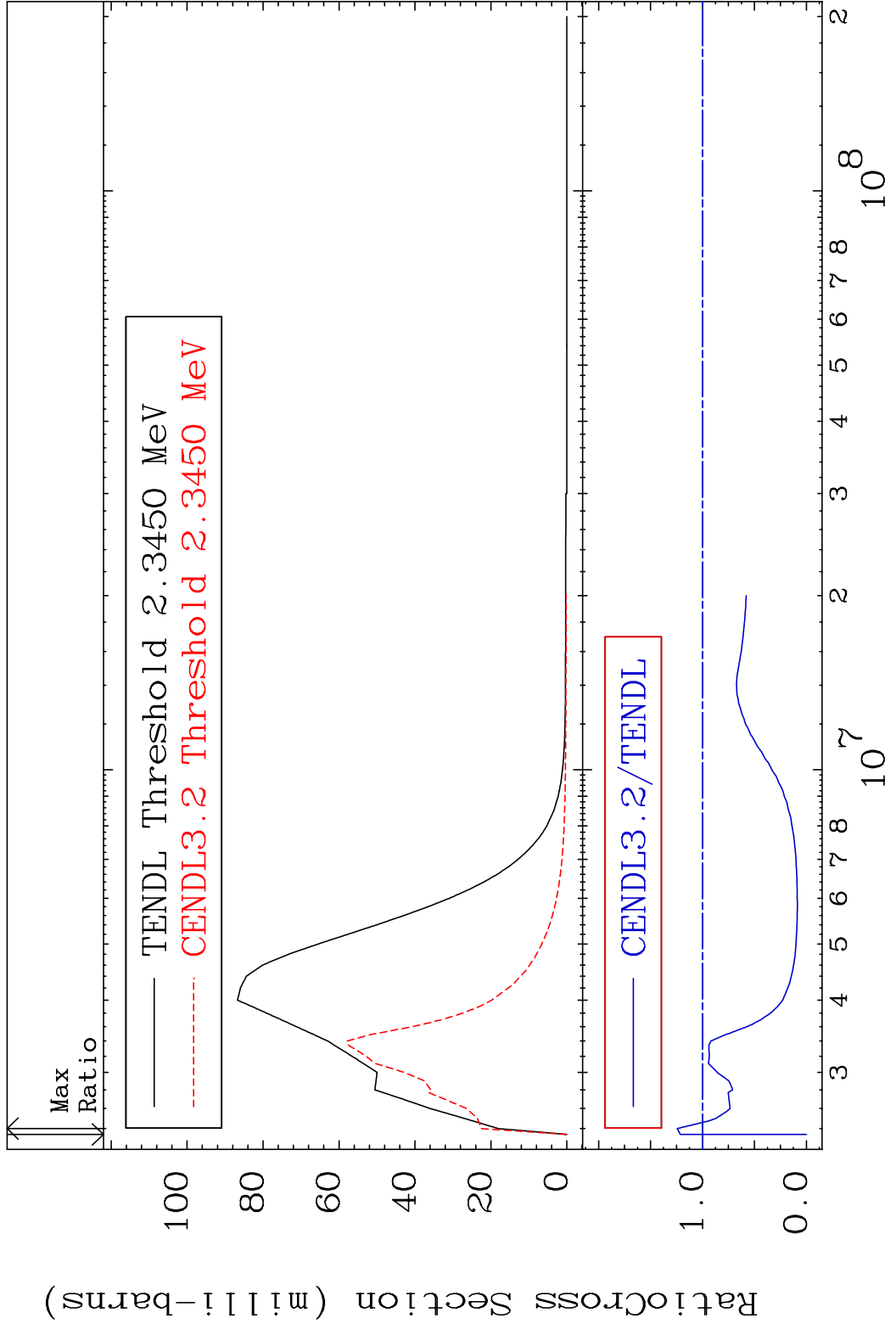
7 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 52 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 56.06 %

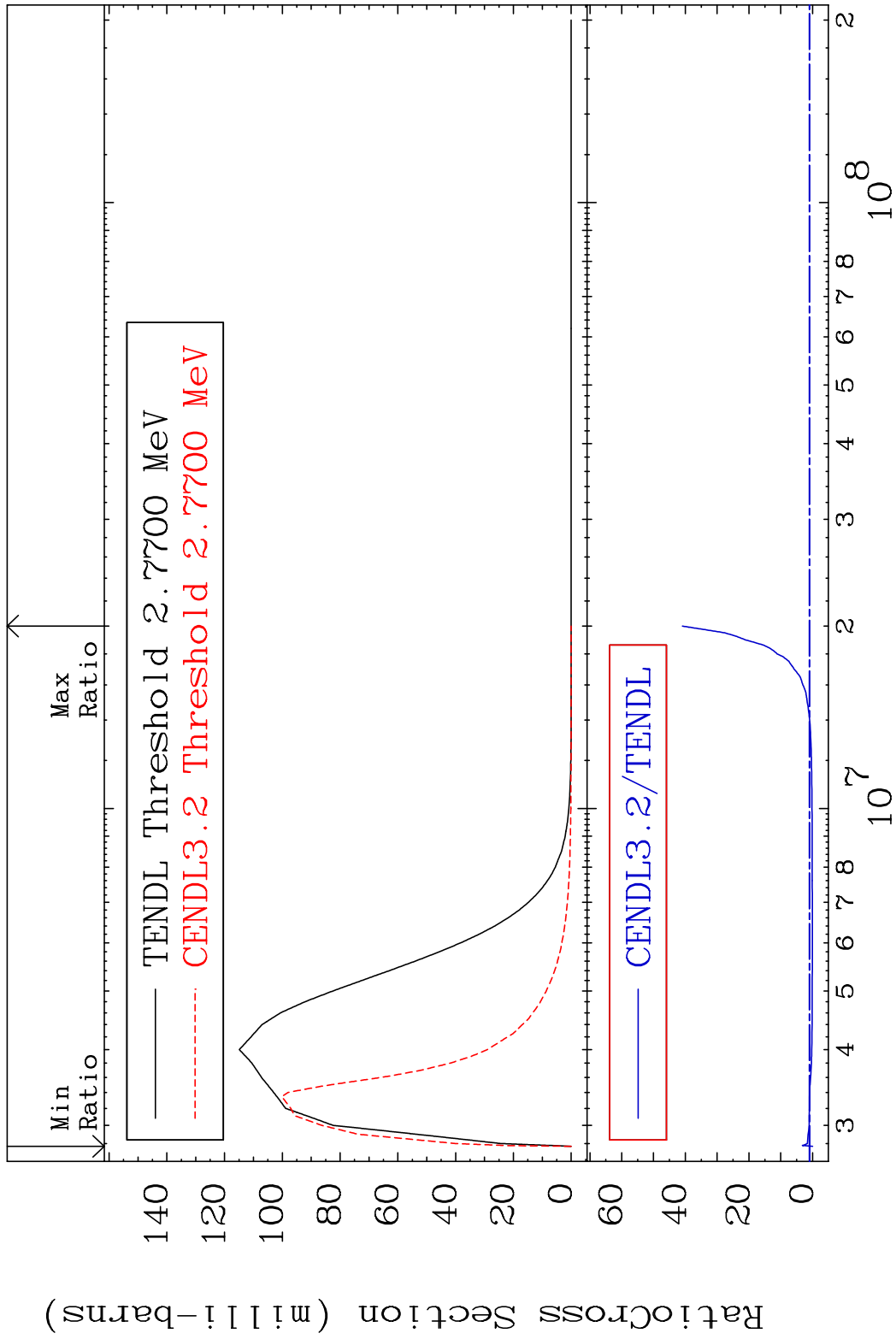


8 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 53 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 24.35 %



MAT 4025 MT= 54 (n, n') Level 40-Zr-90
Cross Section -100.0 To 3994. %

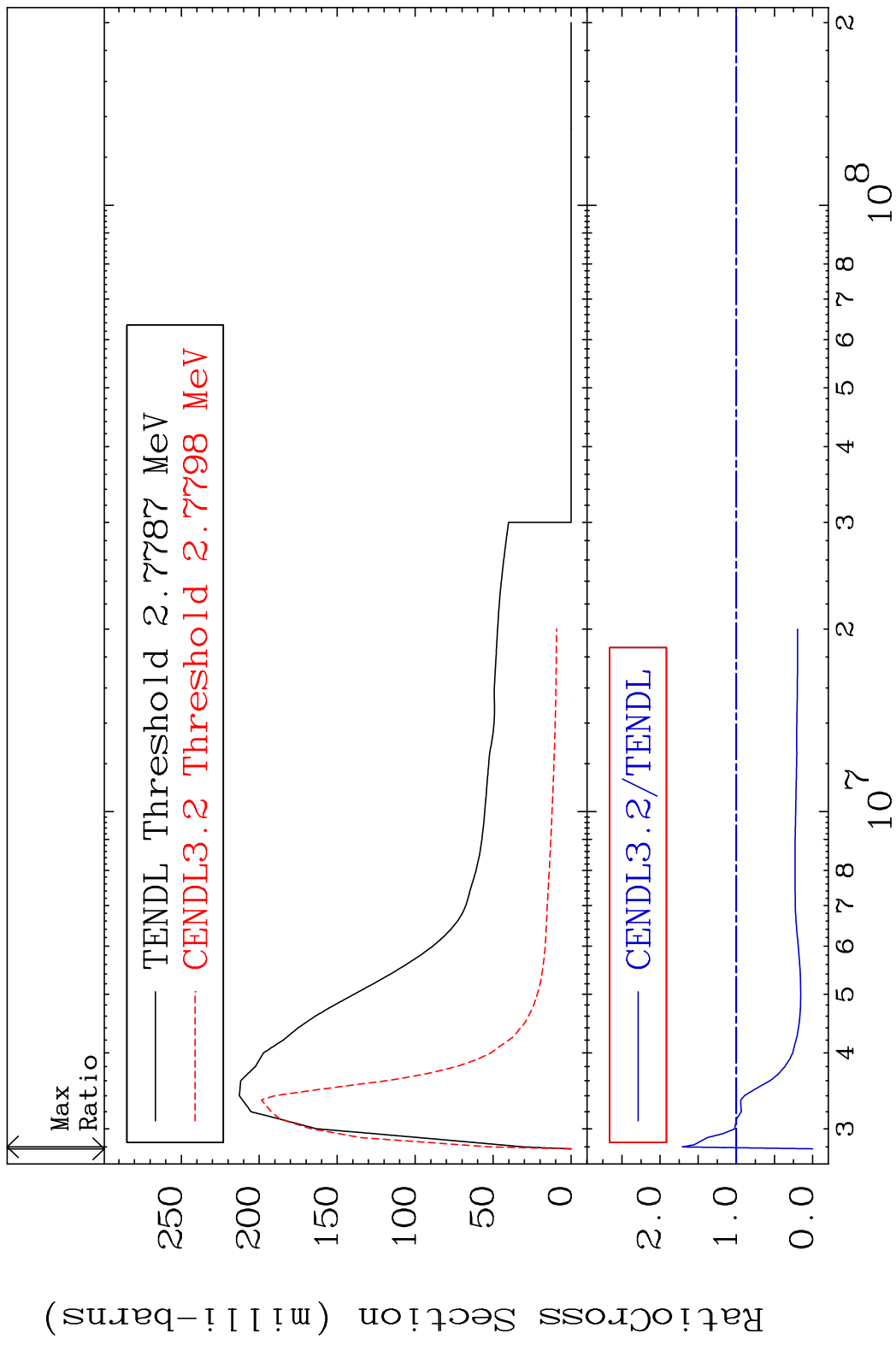


10

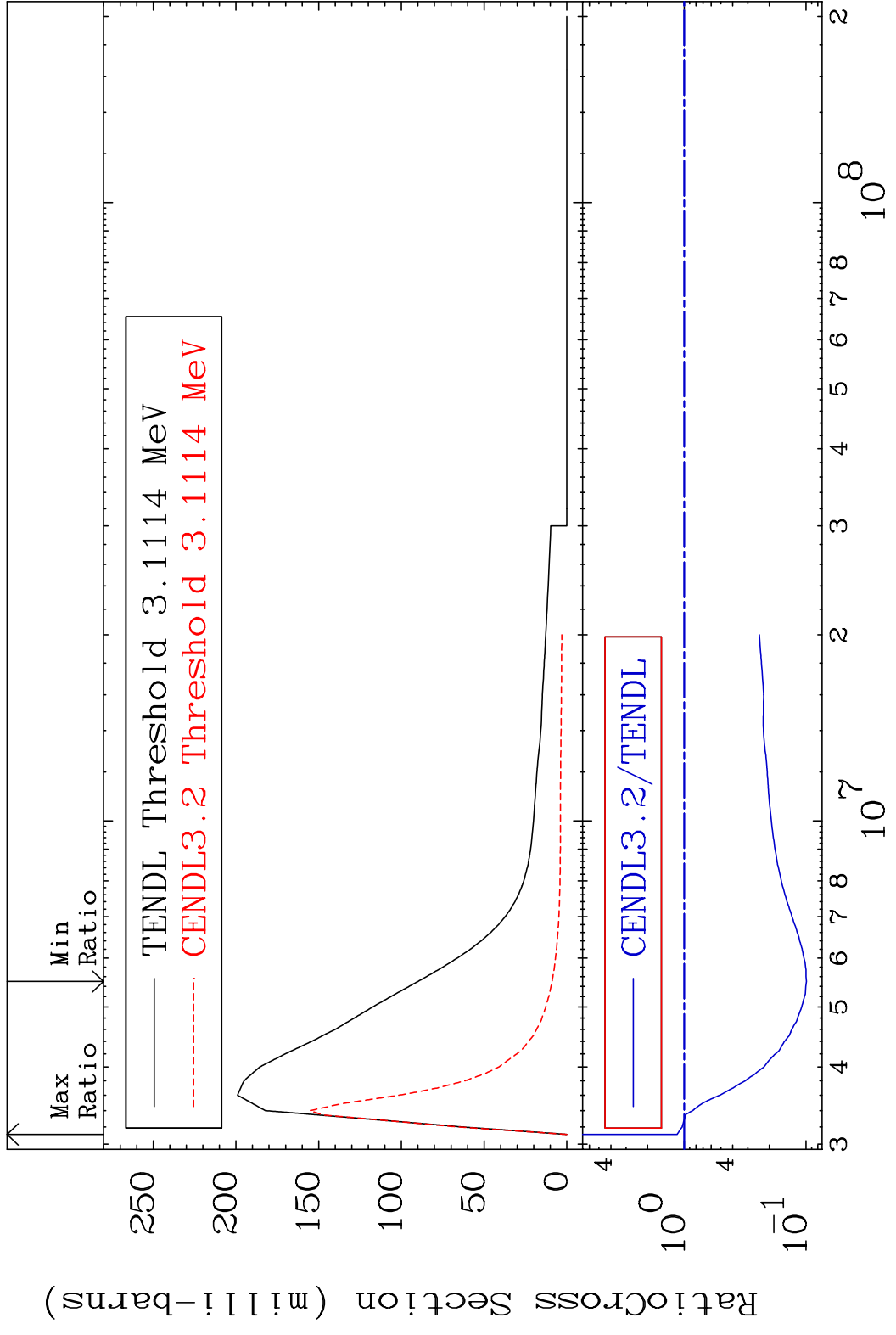
Incident Energy (eV)

40-Zr-90

MAT 4025 MT= 55 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 70.79 %

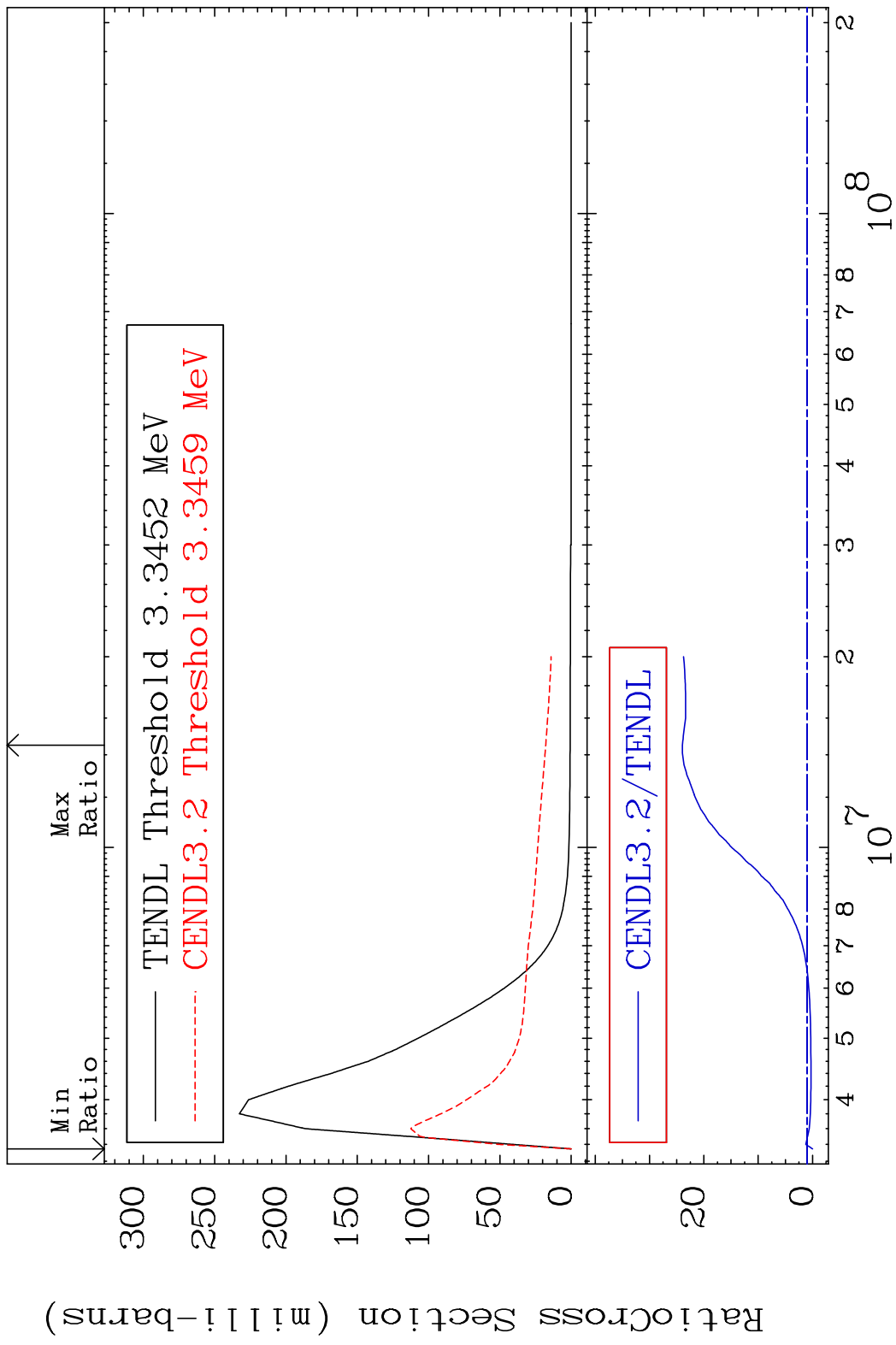


MAT 4025 MT= 56 (n,n') Level 40-Zr-90
 Cross Section -90.08 To 14.10 %

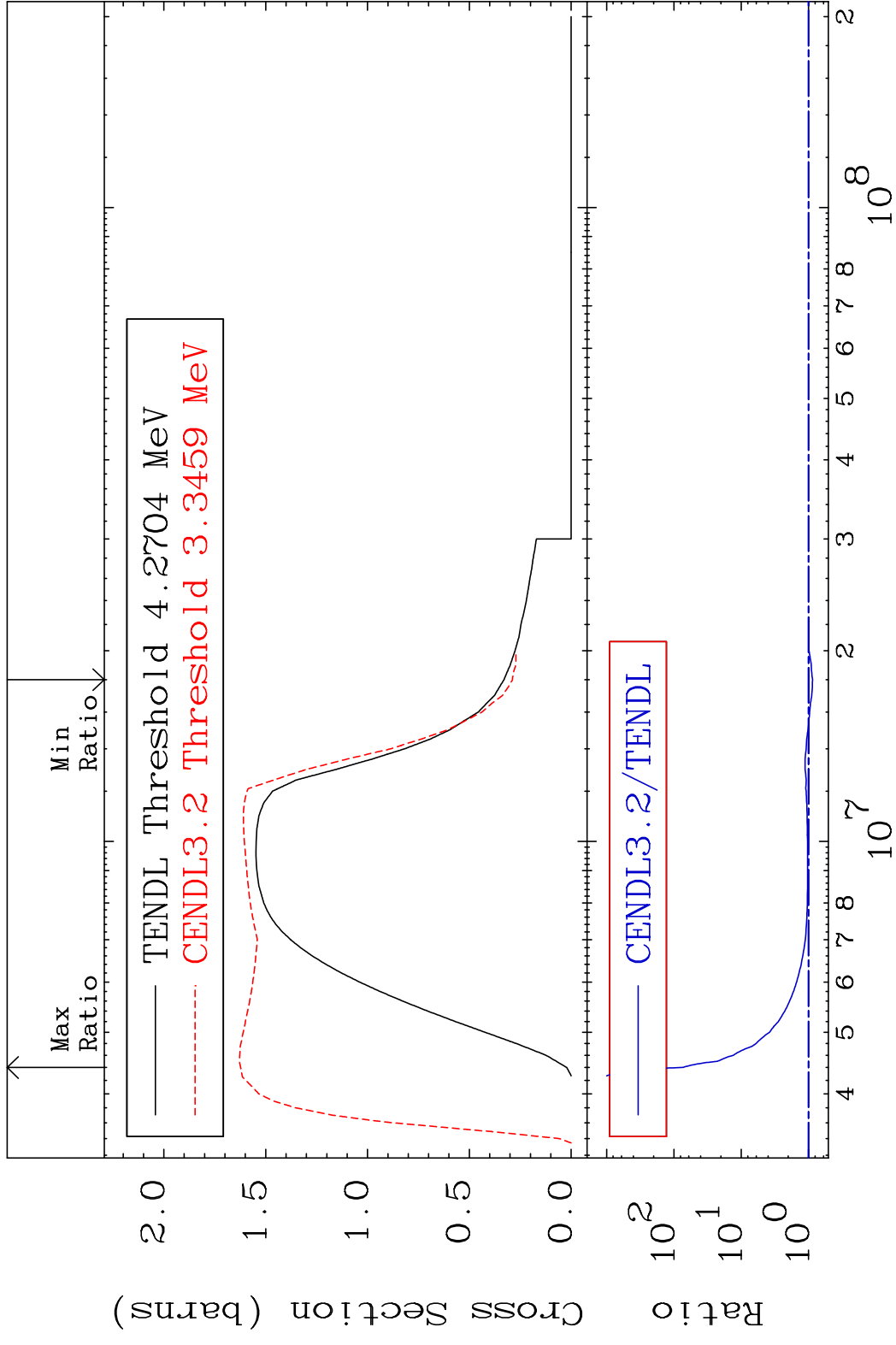


12 Incident Energy (eV) 40-Zr-90

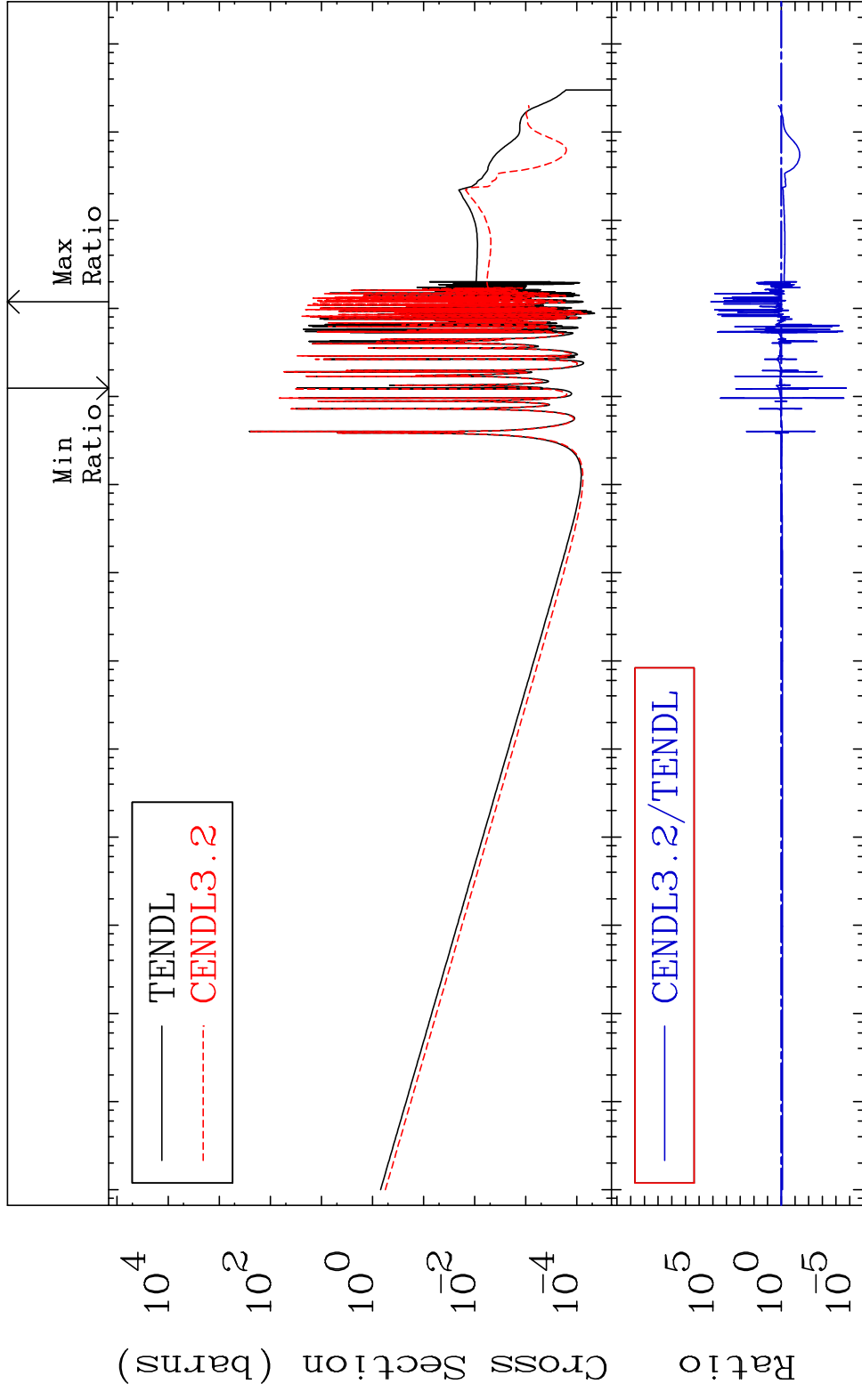
MAT 4025 MT= 57 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 2296. %



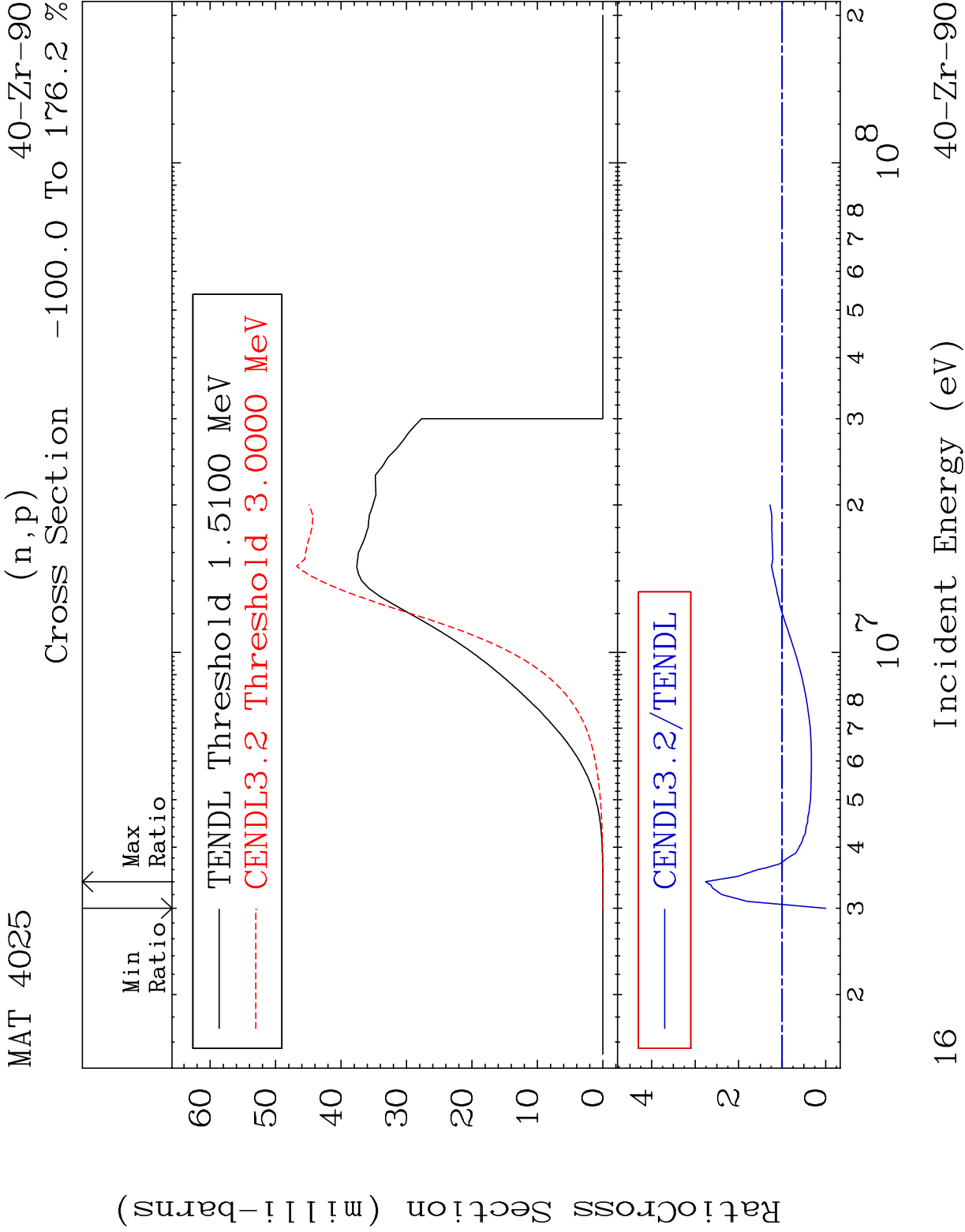
MAT 4025 (n,n') Continuum 40-Zr-90
 Cross Section -12.77 To 7400. %



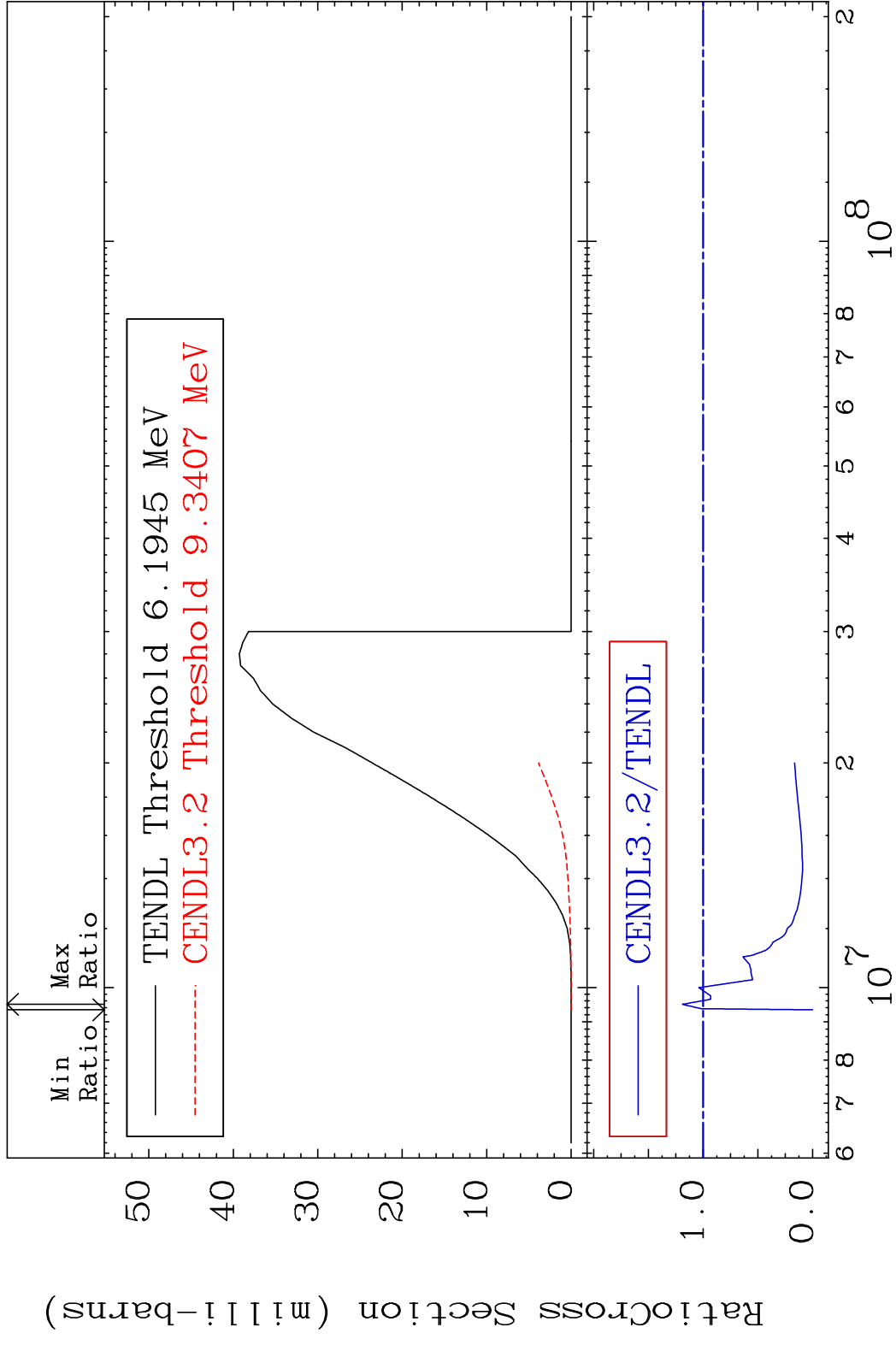
MAT 4025 (n, γ) 40-Zr-90
 Cross Section -100.0 To 9999. %



15 Incident Energy (eV) 40-Zr-90

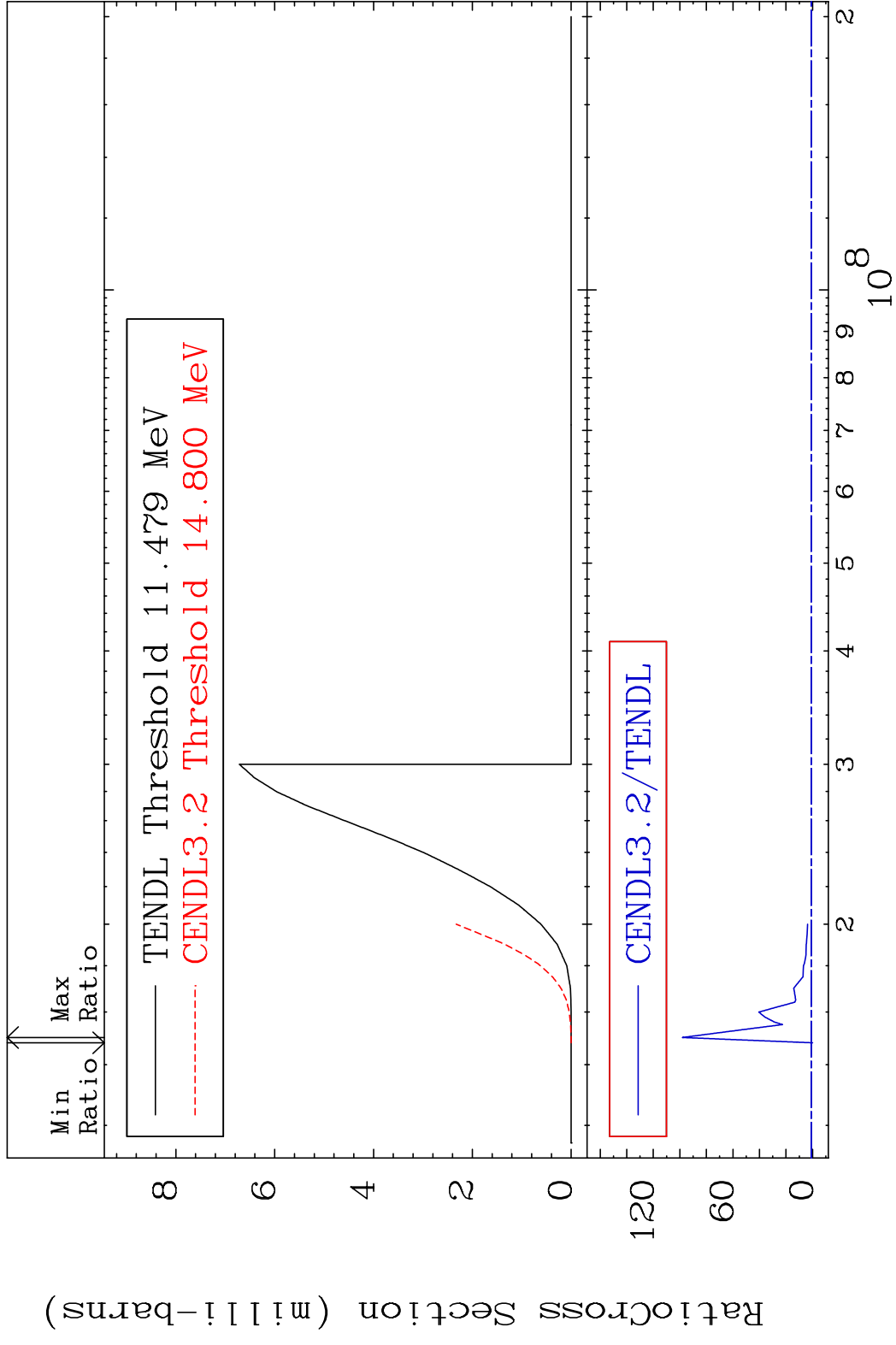


MAT 4025 (n,d) 40-Zr-90
 Cross Section -100.0 To 19.02 %



17 40-Zr-90

MAT 4025 (n, t) 40-Zr-90
 Cross Section -100.0 To 9709. %



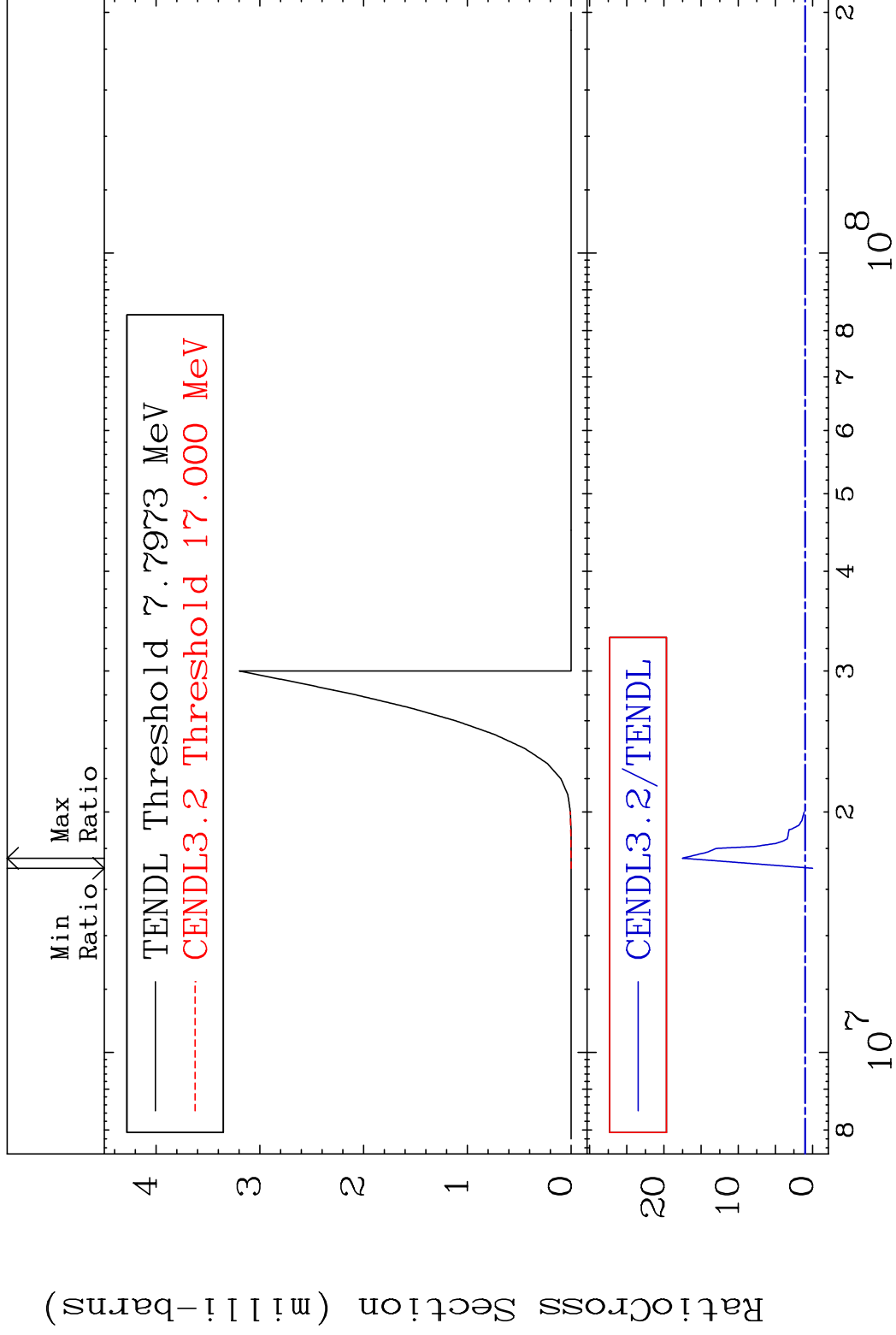
18 Incident Energy (eV) 40-Zr-90

MAT 4025

(n, He-3)

40-Zr-90

Cross Section -100.0 To 1653. %



19

Incident Energy (eV)

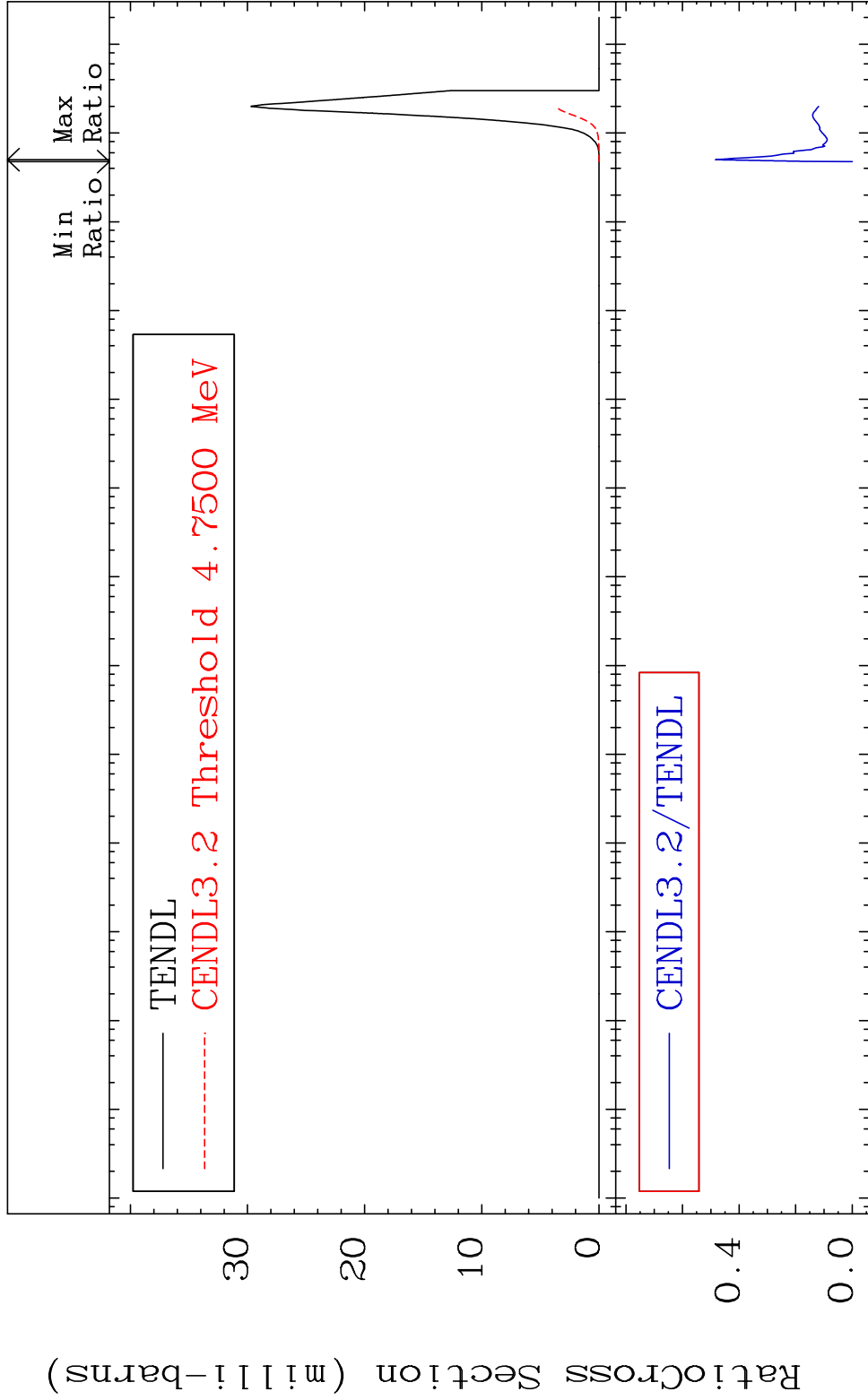
40-Zr-90

MAT 4025

(n, α)

40-Zr-90

Cross Section -100.0 To -51.72%

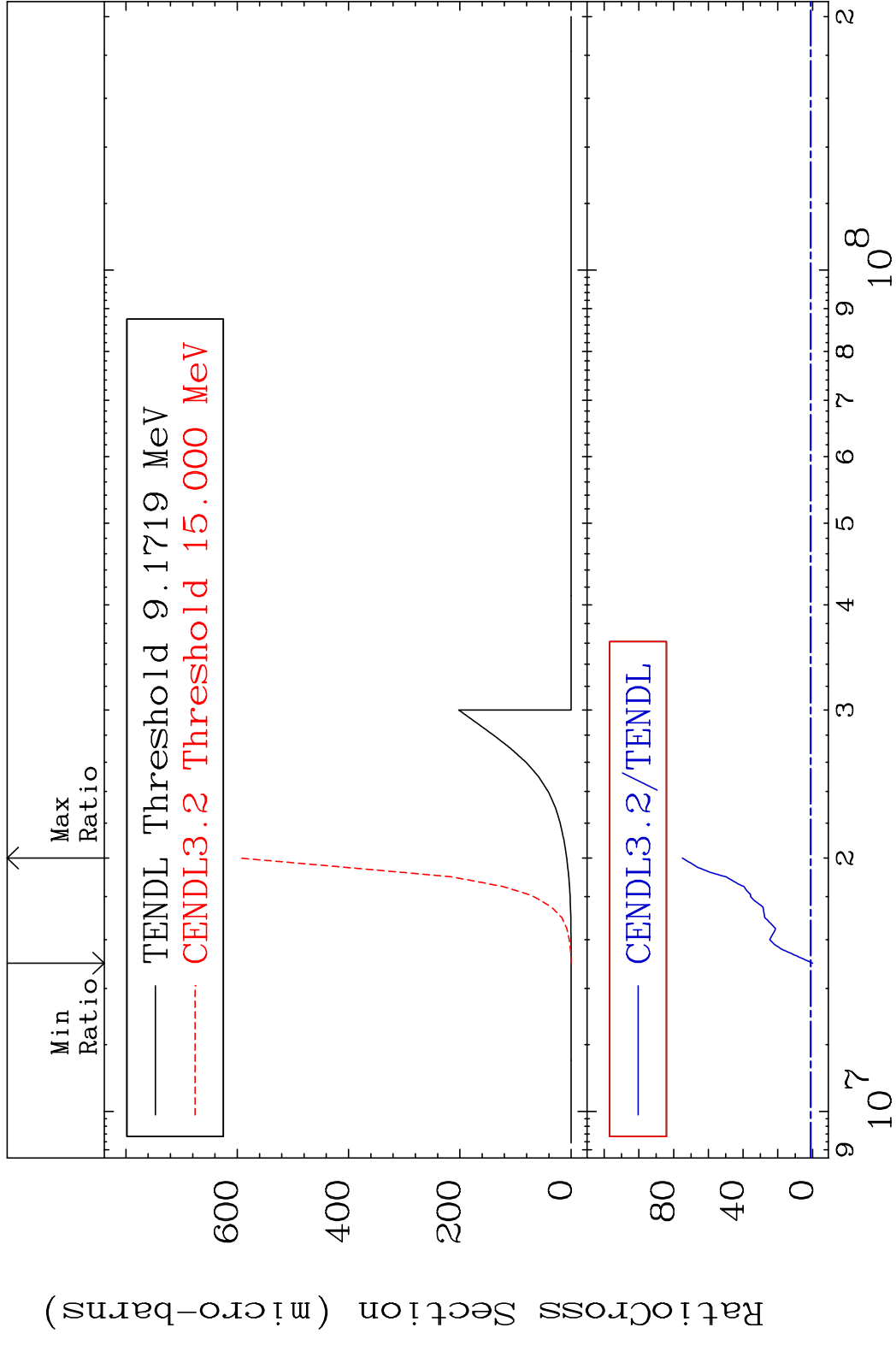


20

Incident Energy (eV)

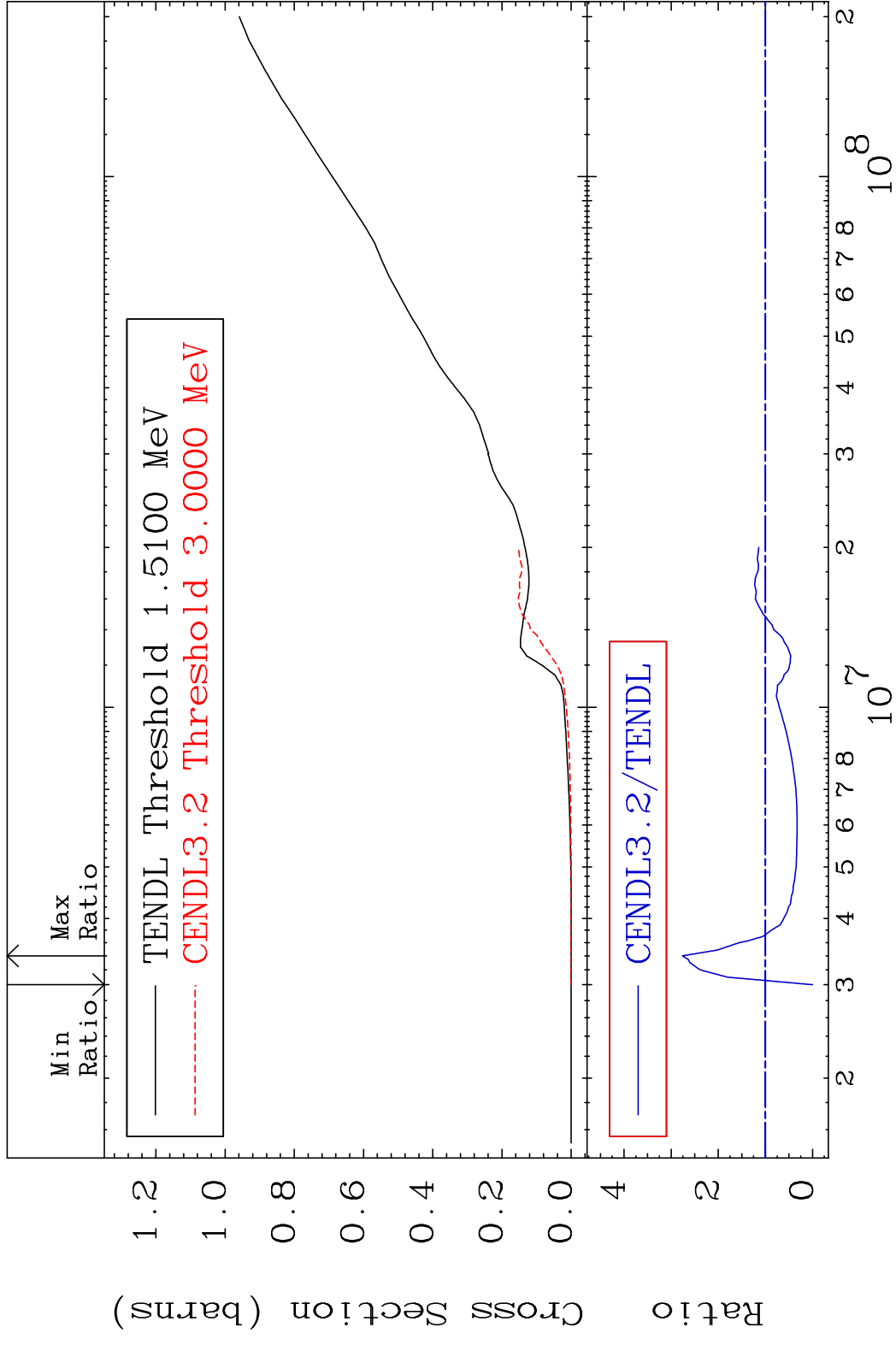
40-Zr-90

MAT 4025 (n,2p) 40-Zr-90
 Cross Section -100.0 To 7397. %

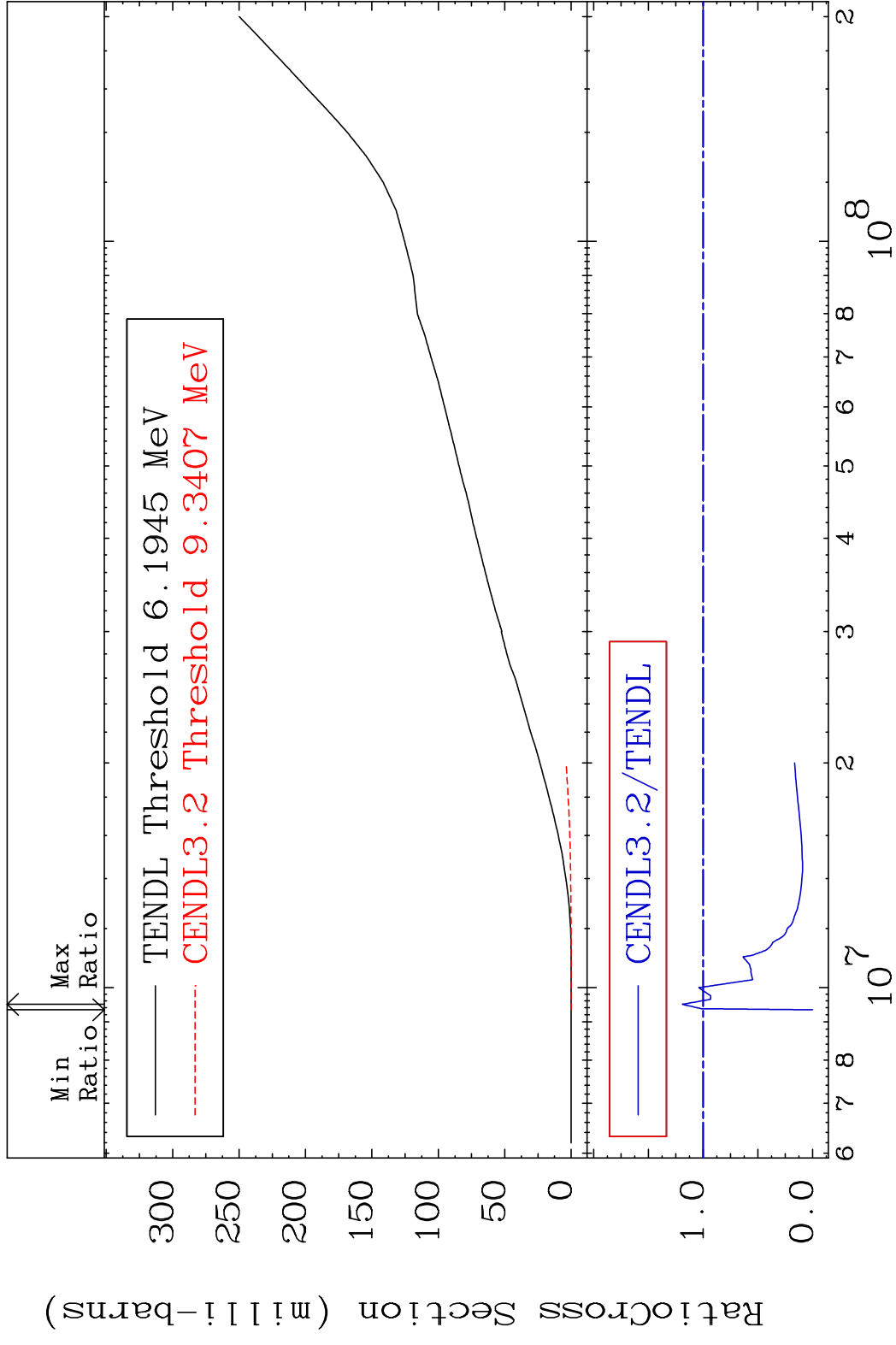


21 40-Zr-90

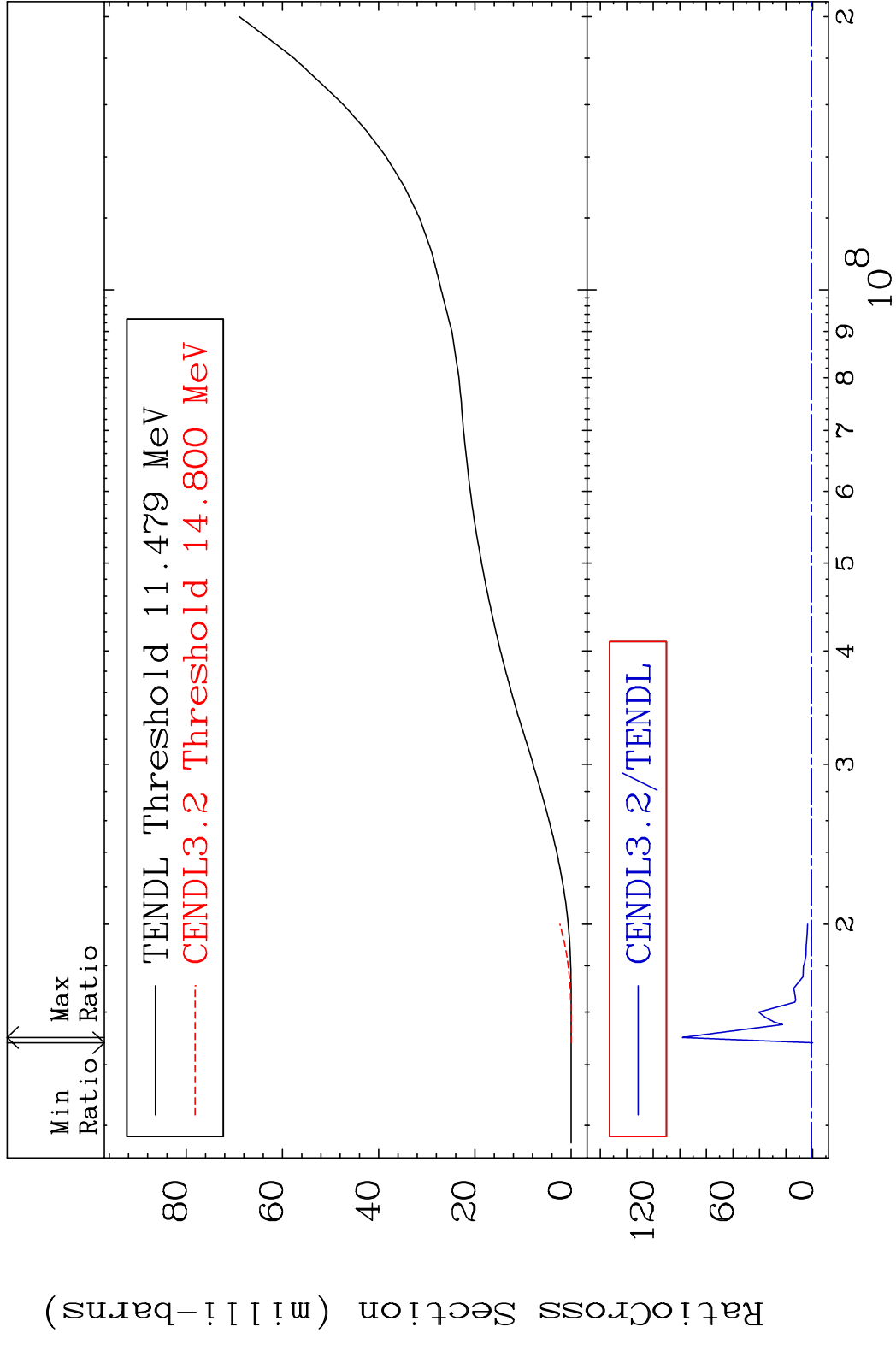
MAT 4025 Hydrogen Production 40-Zr-90
 Cross Section -100.0 To 176.2 %



MAT 4025 Deuterium Production 40-Zr-90
 Cross Section -100.0 To 19.02 %



MAT 4025 Tritium Production 40-Zr-90
 Cross Section -100.0 To 9709. %



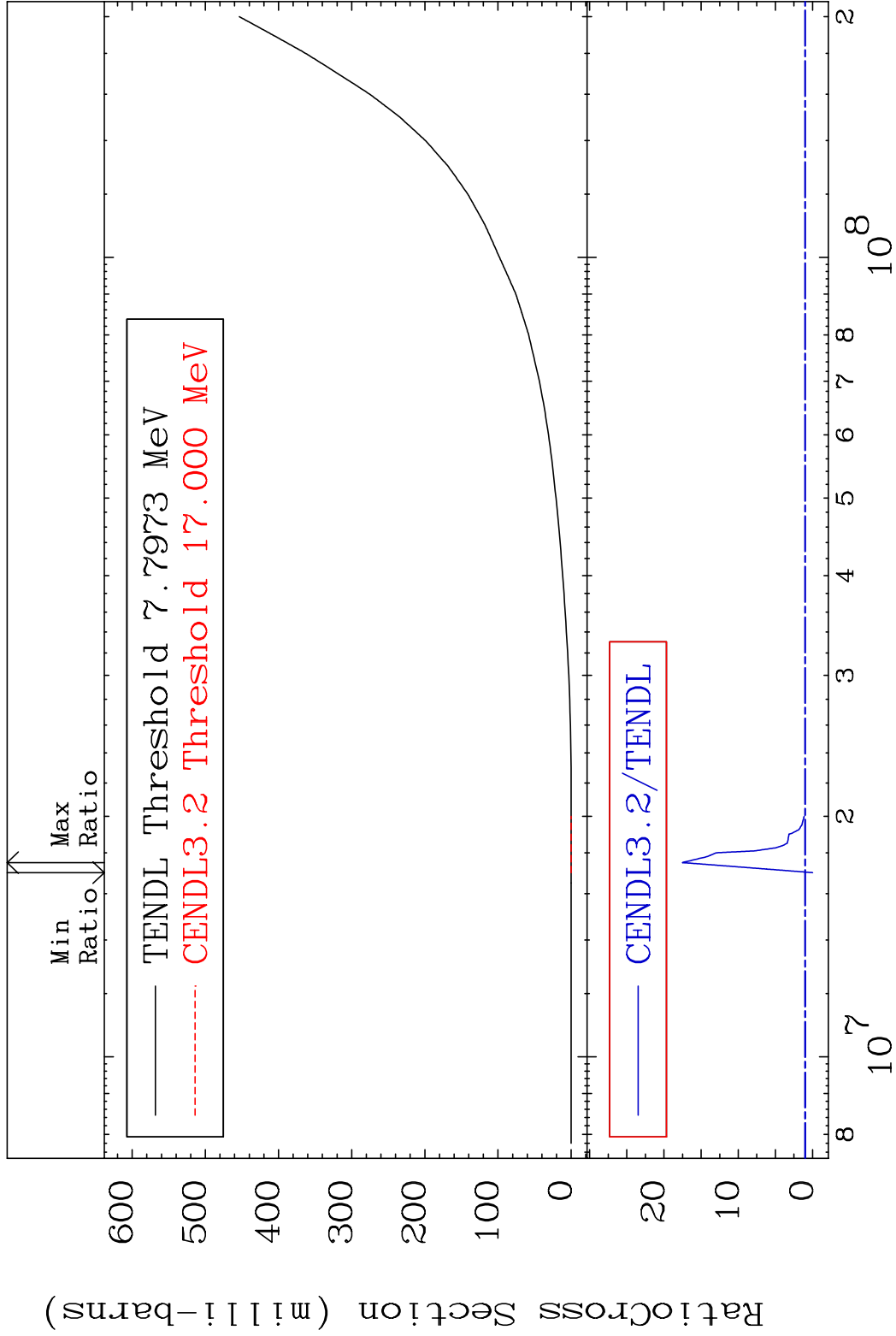
24 Incident Energy (eV) 40-Zr-90

MAT 4025

He-3 Production

40-Zr-90

Cross Section -100.0 To 1653. %



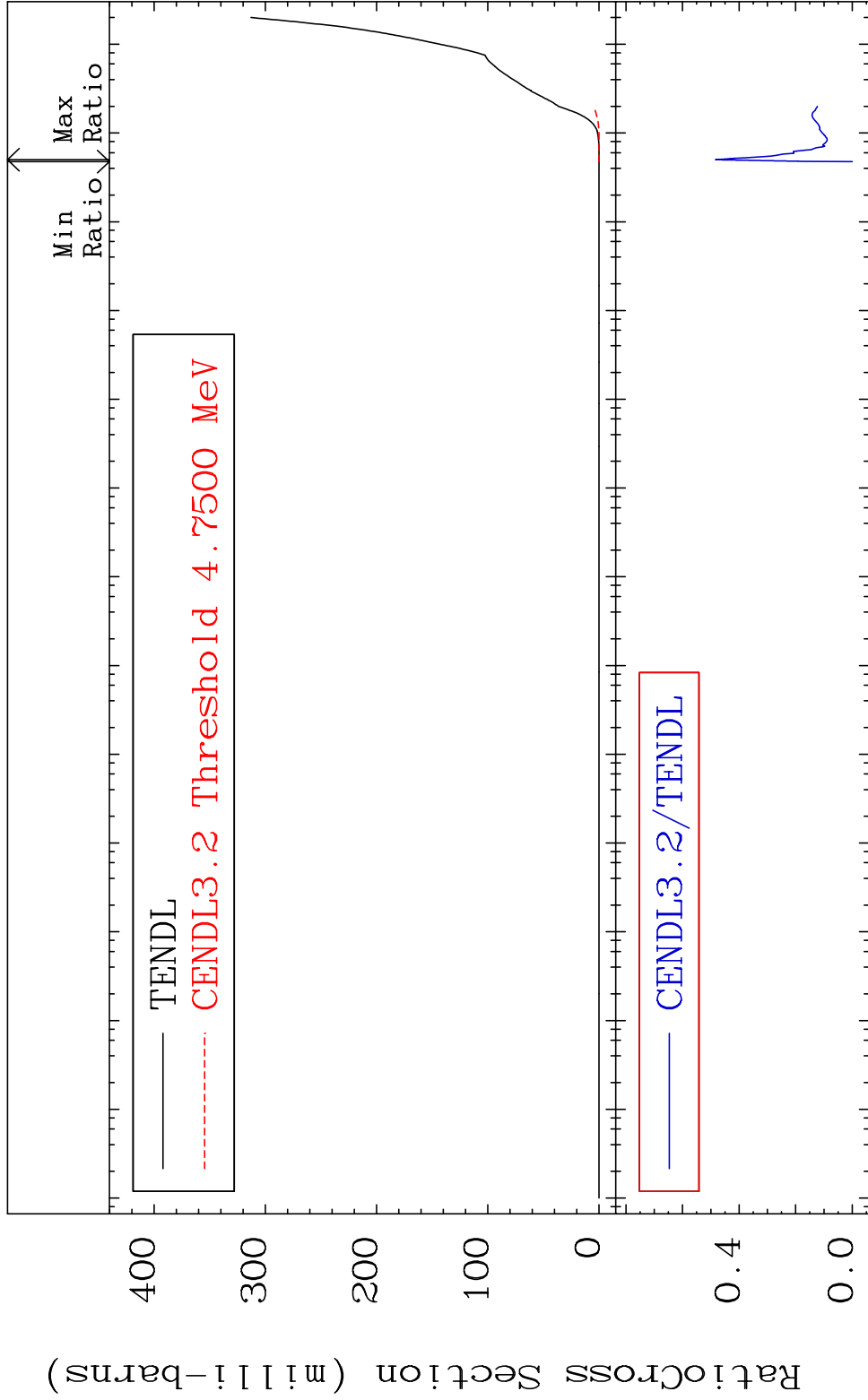
25

MAT 4025

He-4 Production

40-Zr-90

Cross Section -100.0 To -51.72%



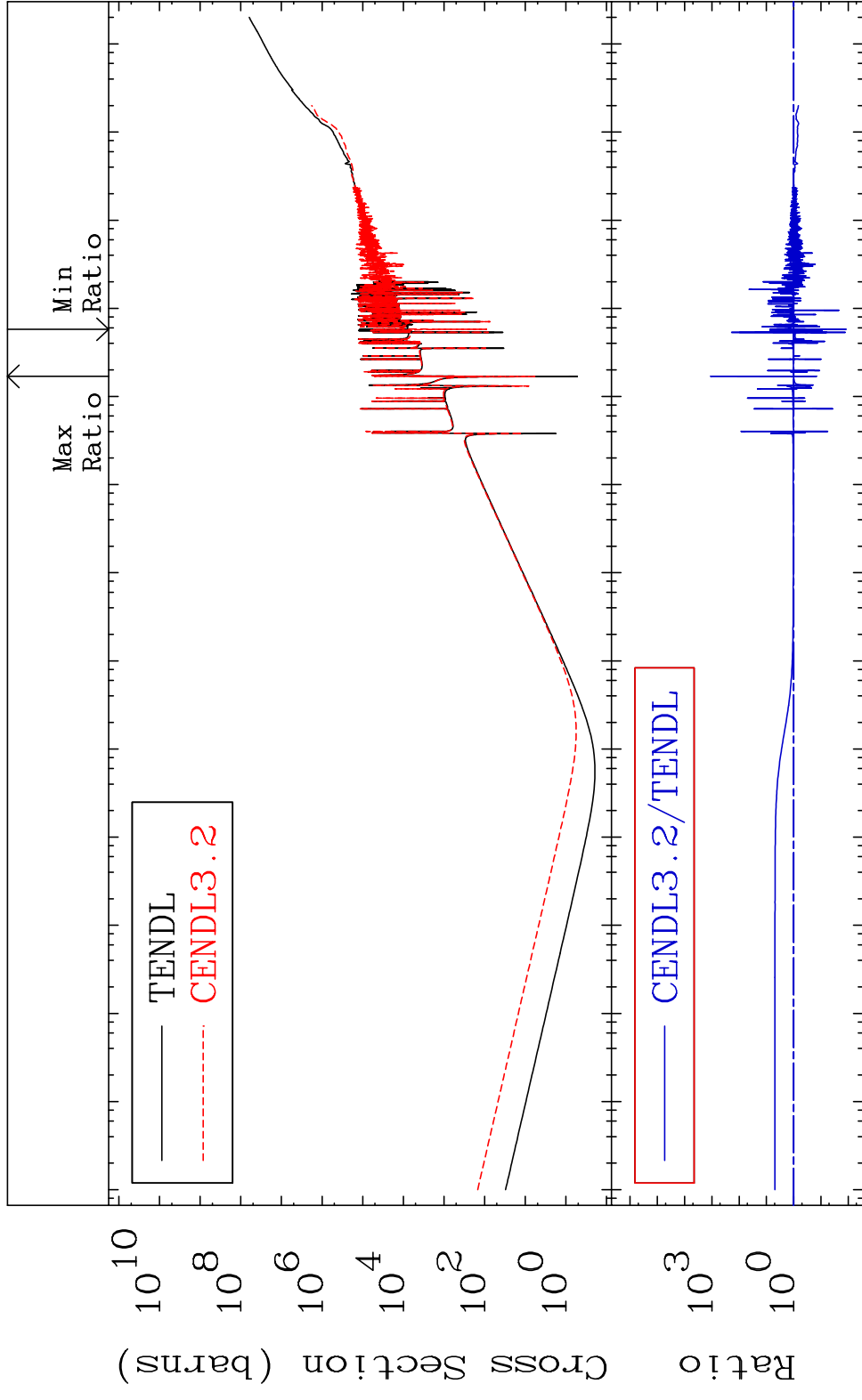
26

Incident Energy (eV)

40-Zr-90

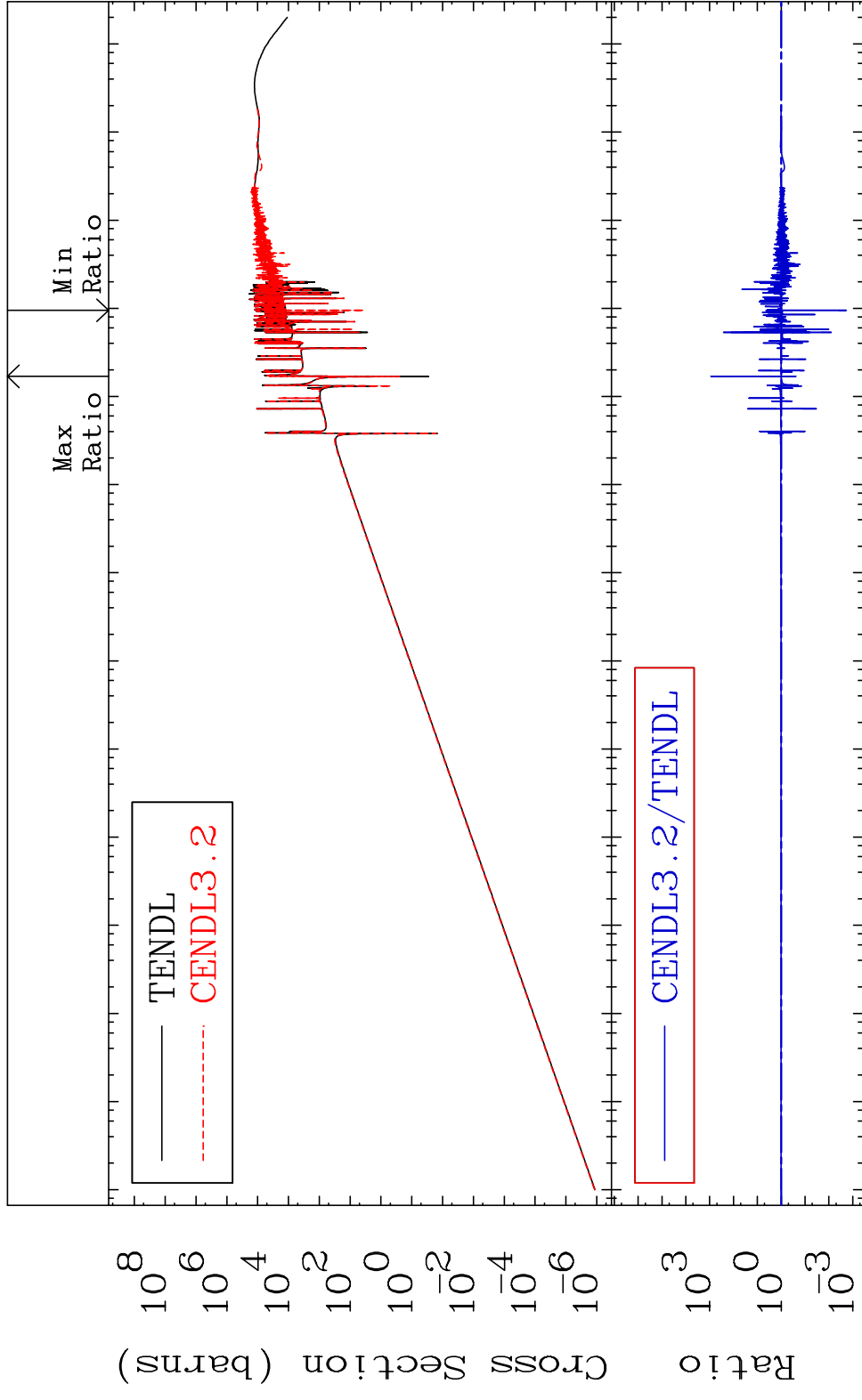
MAT 4025 Kerma total (eV-barns) 40-Zr-90

Cross Section -98.83 To 9999. %



MAT 4025

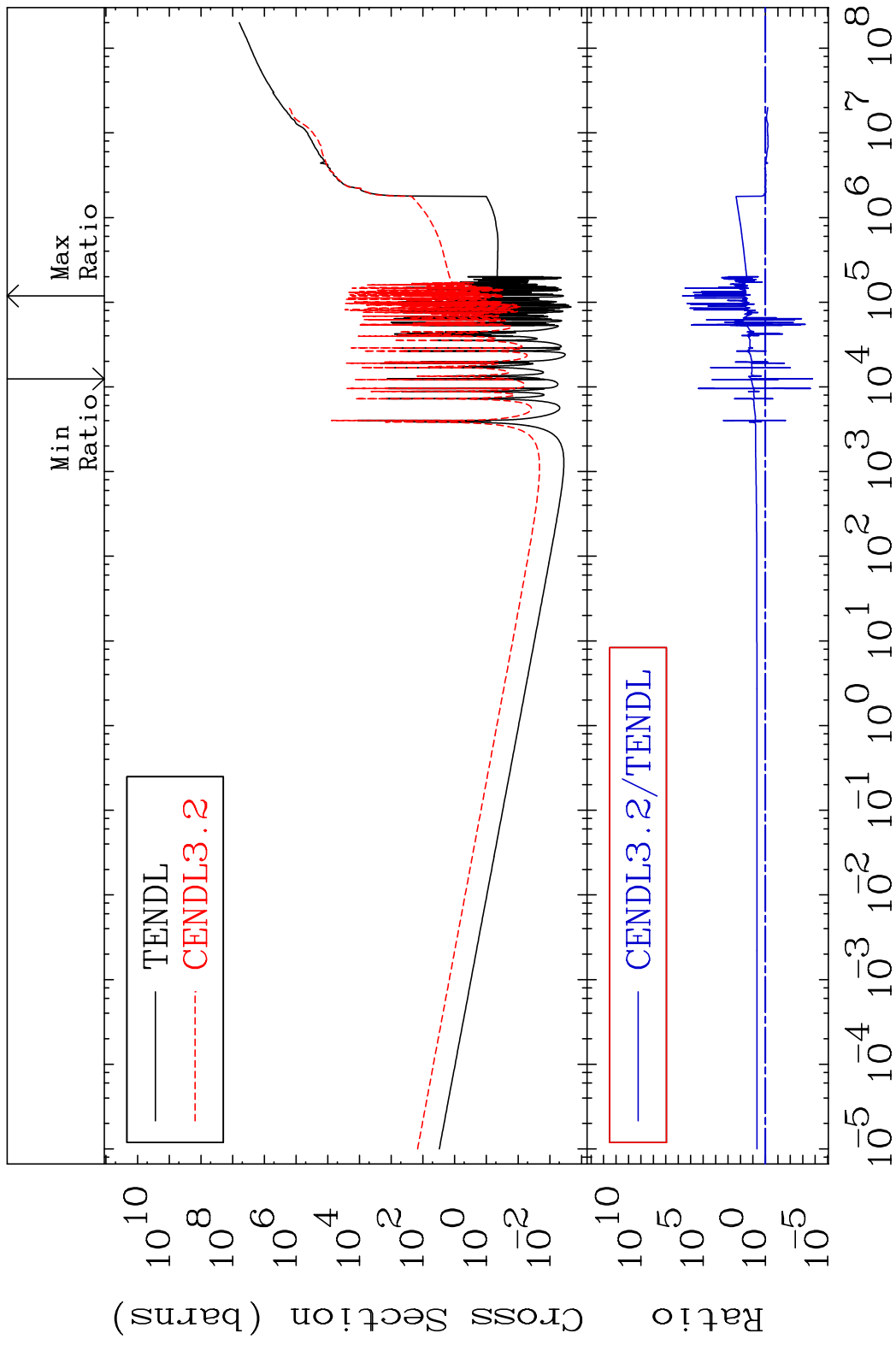
Kerma elastic Cross Section -99.81 To 9999. % 40-Zr-90



28

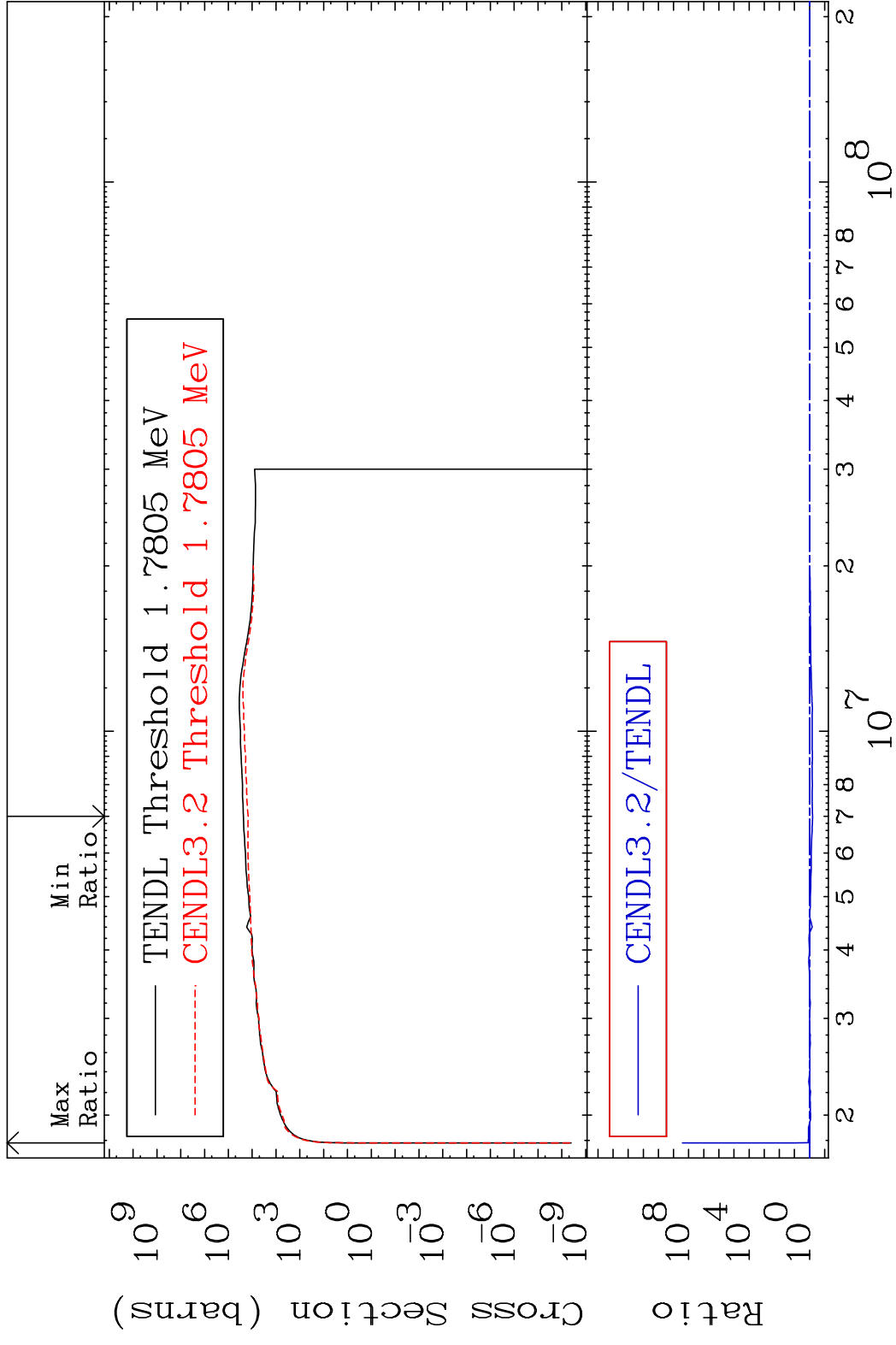
Incident Energy (eV) 40-Zr-90

MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90
 Cross Section -99.98 To 9999. %

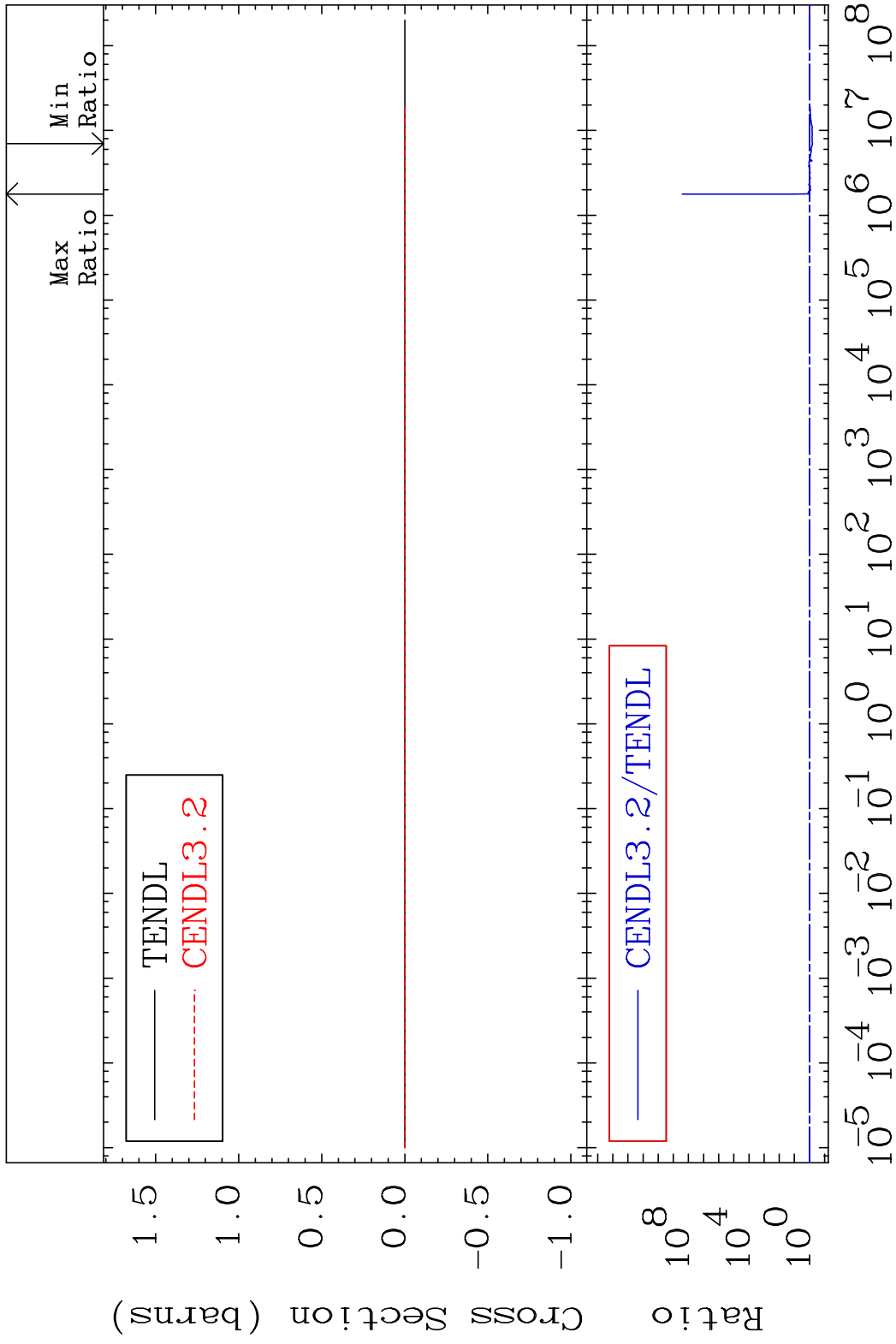


29 Incident Energy (eV) 40-Zr-90

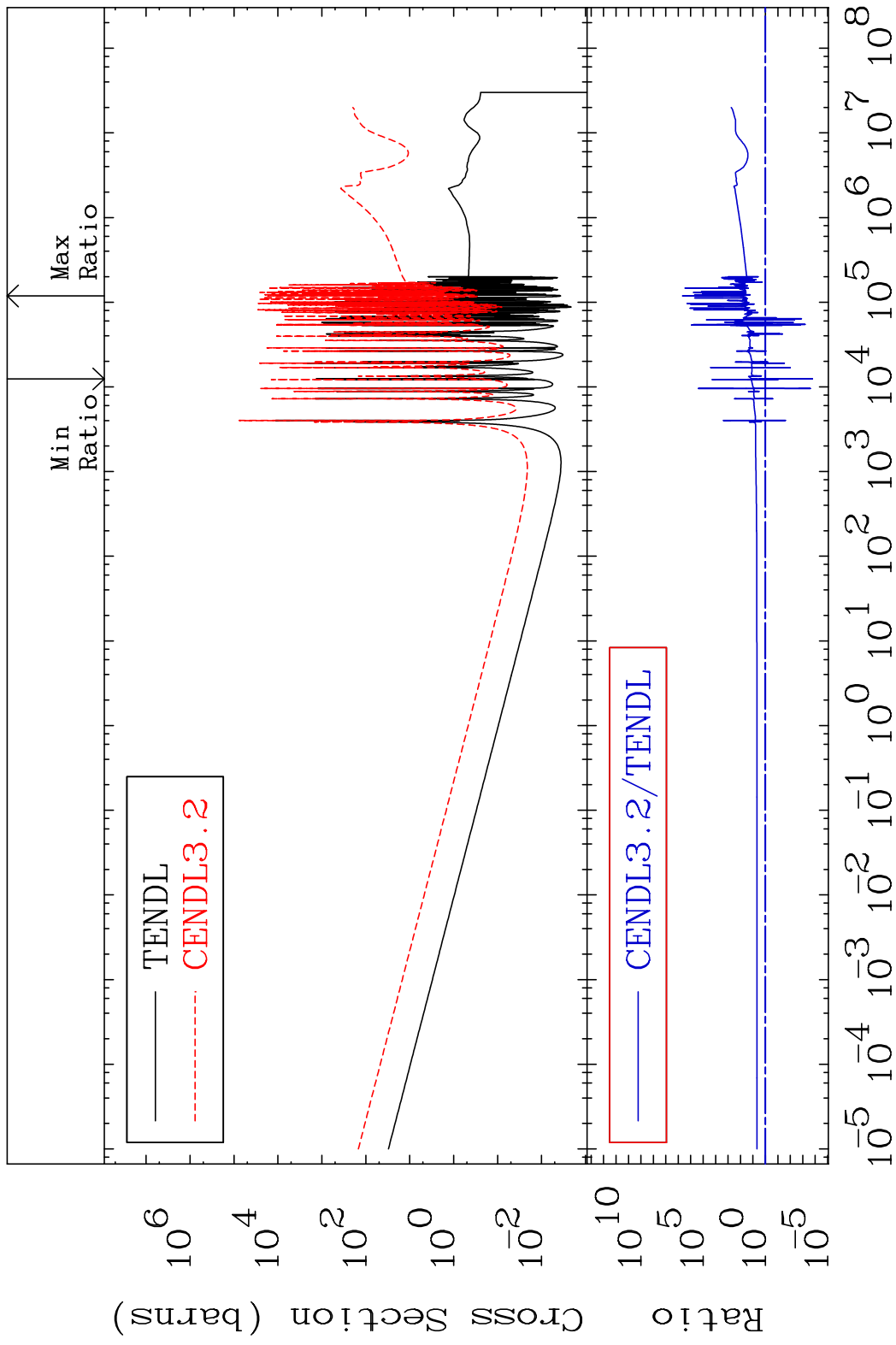
MAT 4025 Kerma inelastic (mt51-91) 40-Zr-90
 Cross Section -36.58 To 9999. %



MAT 4025 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-90
 Cross Section -36.58 To 9999. %

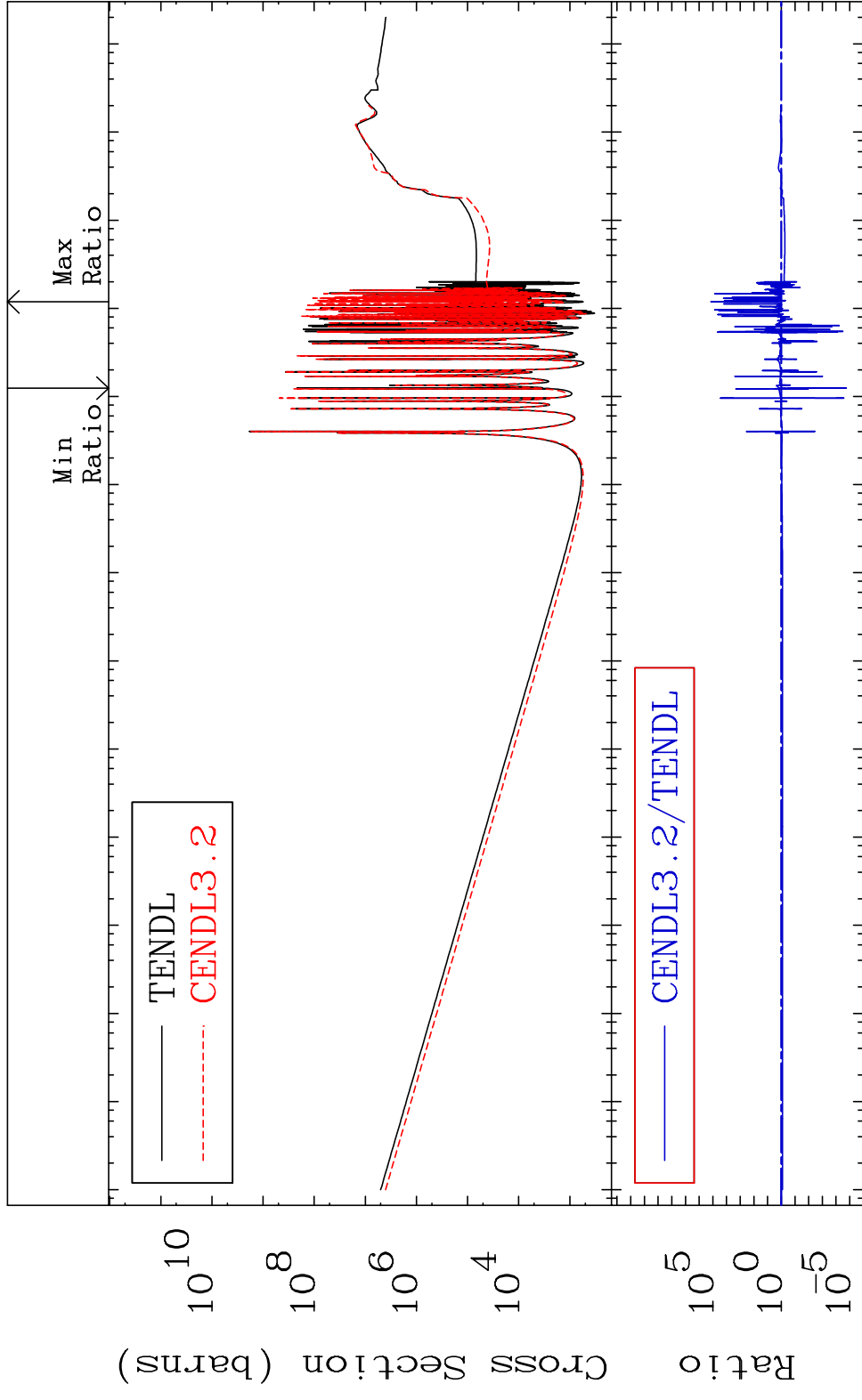


MAT 4025 Kerma capture (mt102) 40-Zr-90
 Cross Section -99.98 To 9999. %



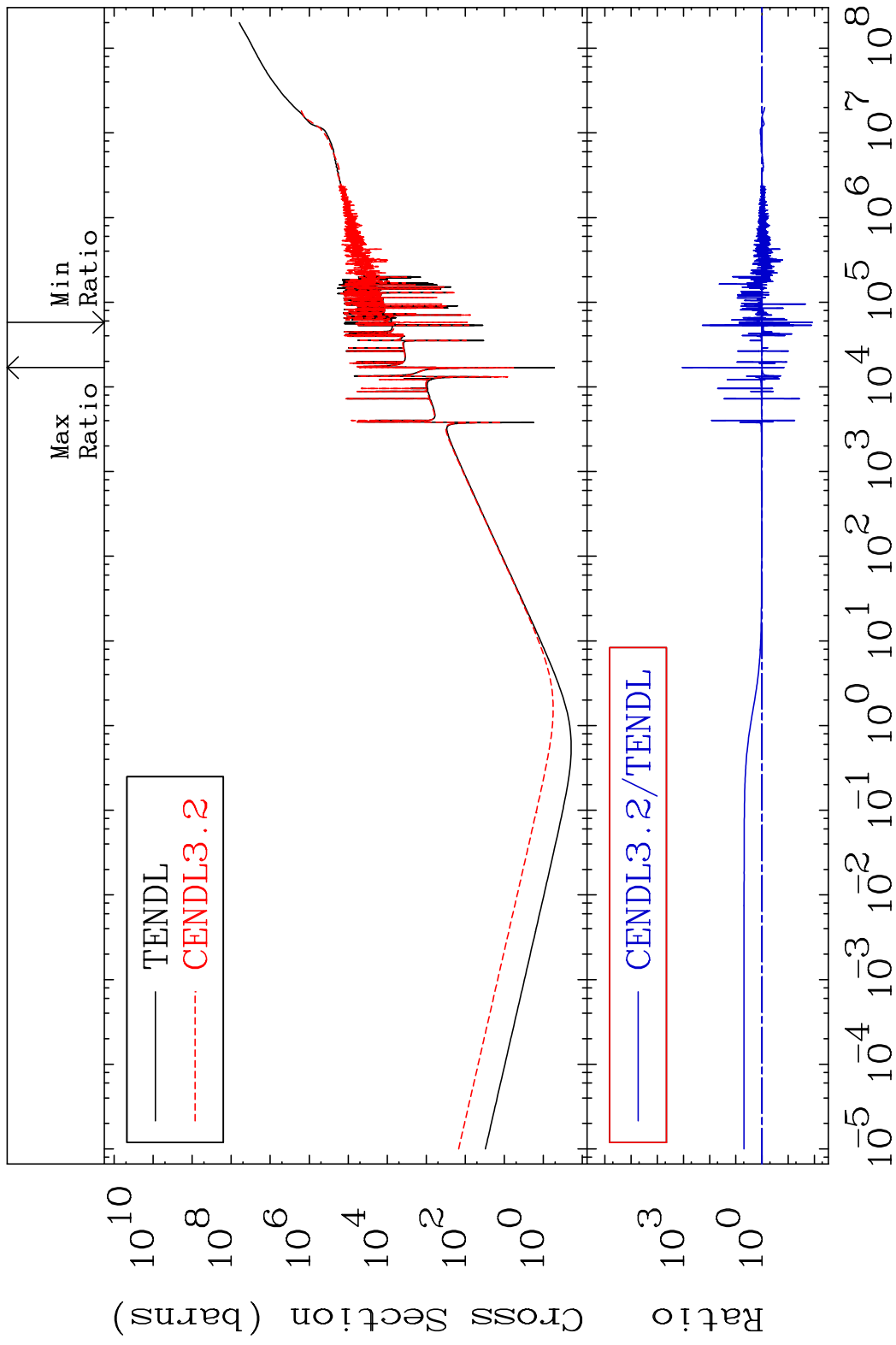
32 Incident Energy (eV) 40-Zr-90

MAT 4025 Total photon (eV-barns) 40-Zr-90
 Cross Section -100.0 To 9999. %

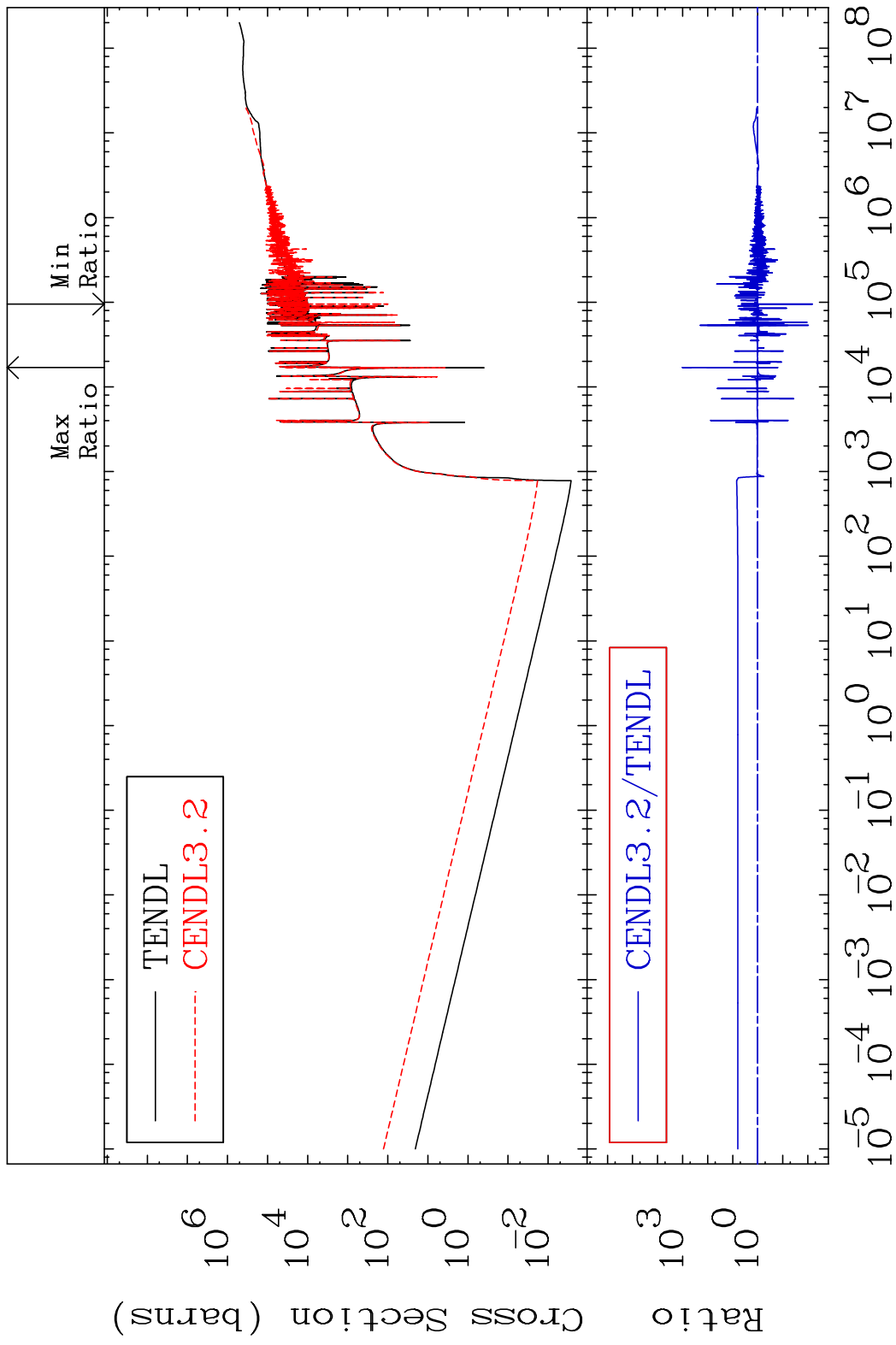


33 Incident Energy (eV) 40-Zr-90

MAT 4025 Total kinematic kerma (high limit) 40-Zr-90
 Cross Section -98.83 To 9999. %



MAT 4025 Dpa total (eV-barns) 40-Zr-90
 Cross Section -99.36 To 9999. %



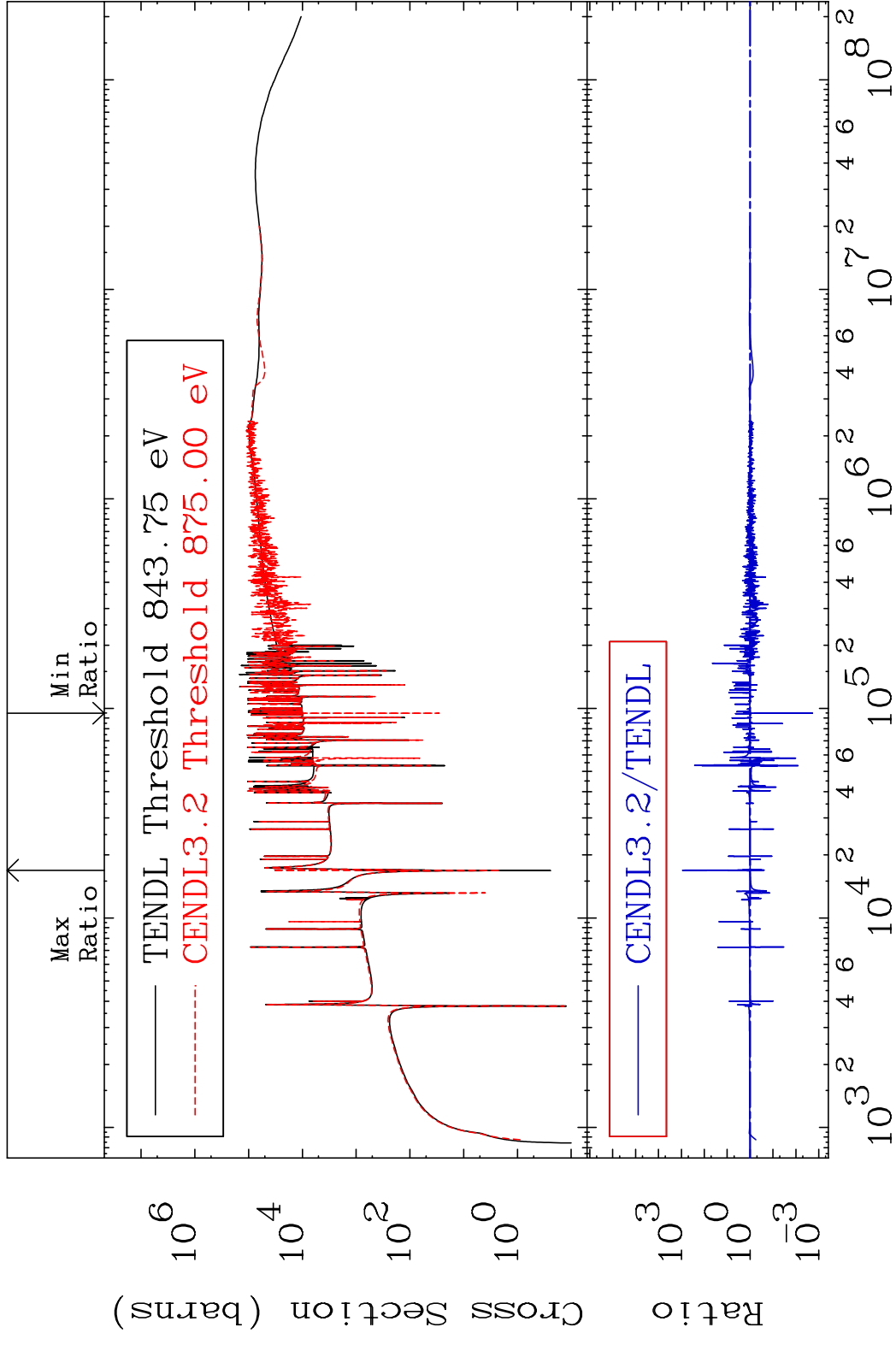
35 Incident Energy (eV) 40-Zr-90

MAT 4025

Dpa elastic (mt2)

40-Zr-90

Cross Section -99.81 To 9999. %

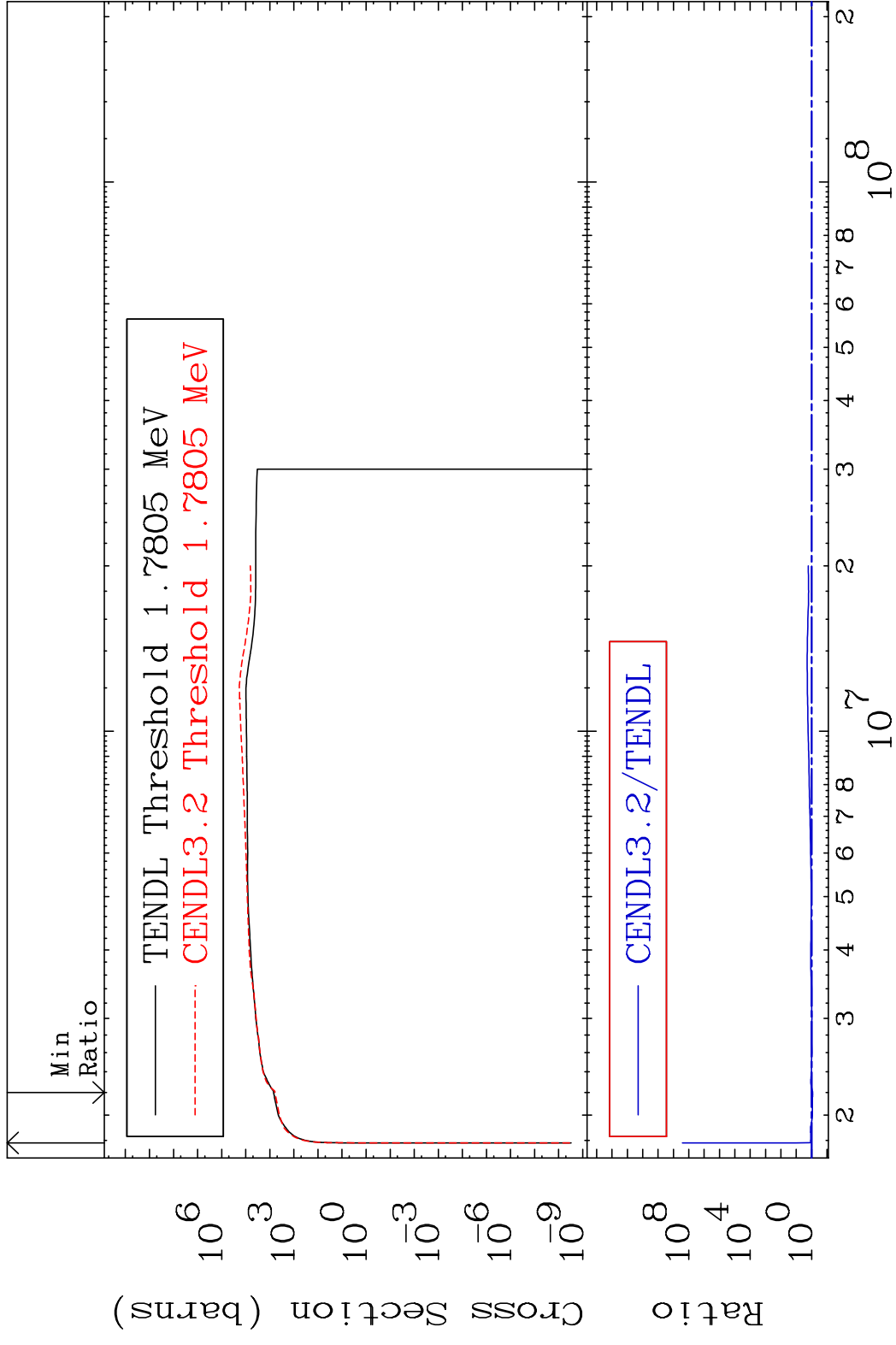


36

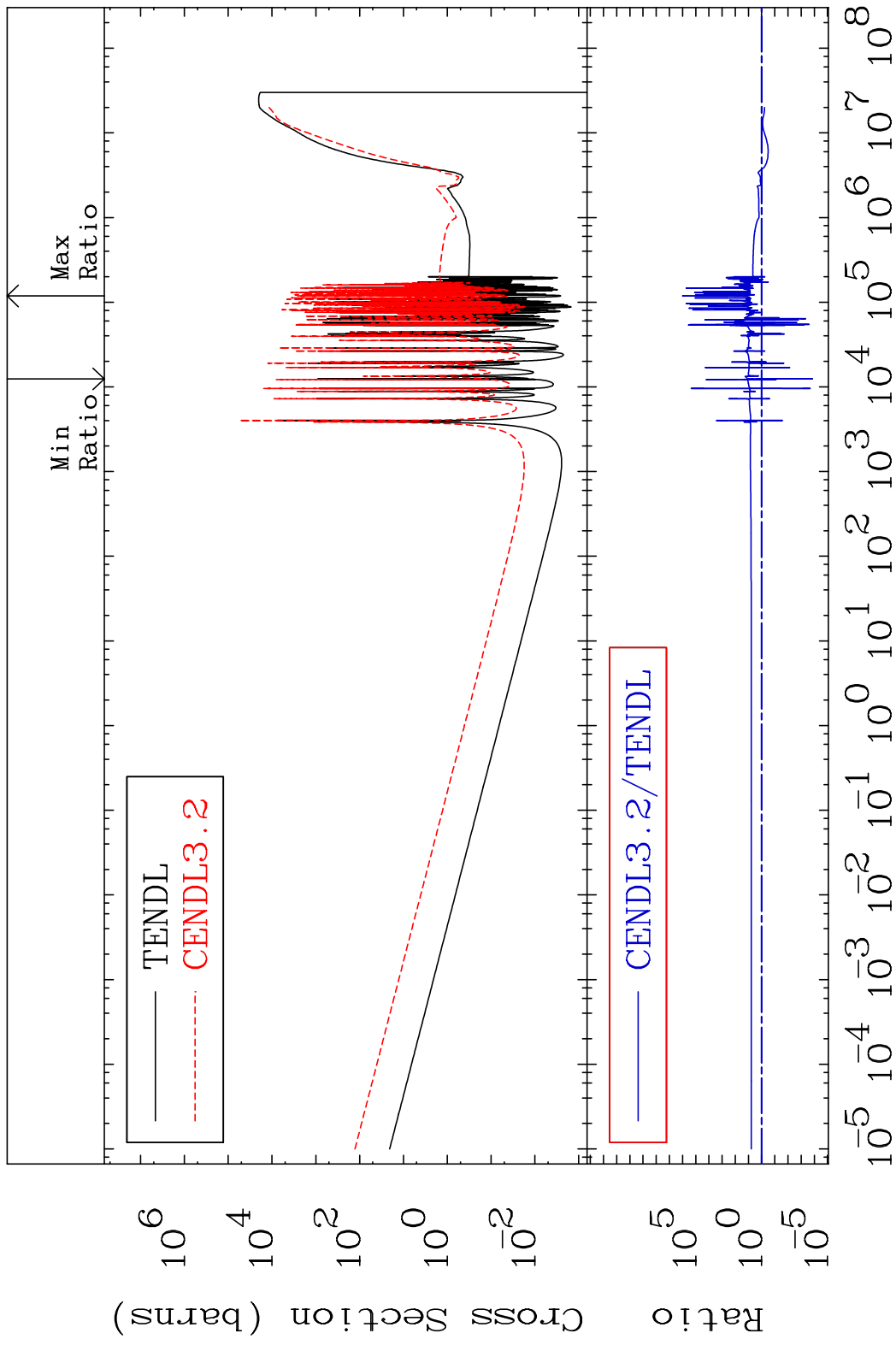
Incident Energy (eV)

40-Zr-90

MAT 4025 Dpa inelastic (mt51-91) 40-Zr-90
 Cross Section -12.81 To 9999. %

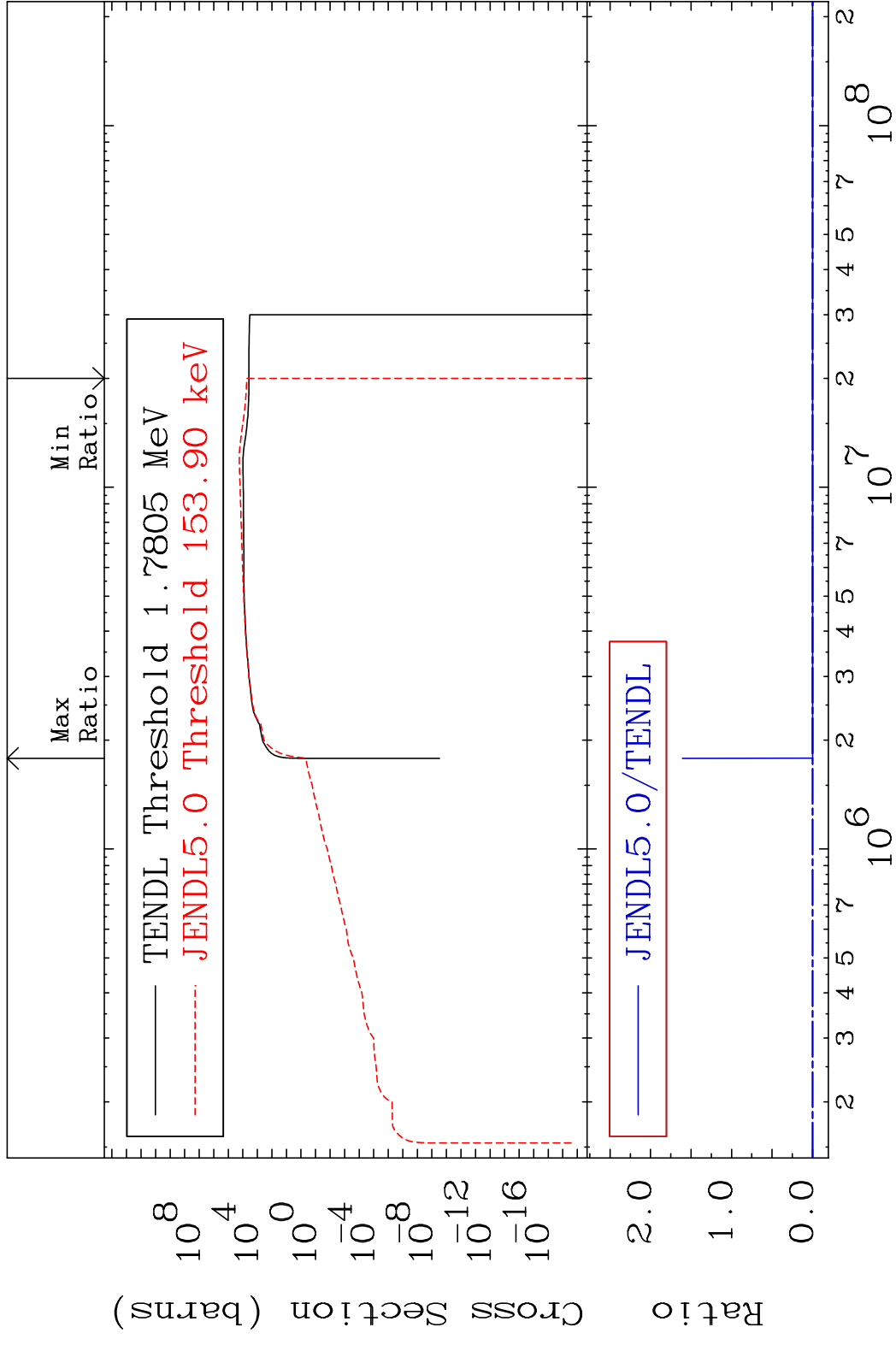


MAT 4025 Dpa disappearance (mt102 -120) 40-Zr-90
 Cross Section -99.99 To 9999. %

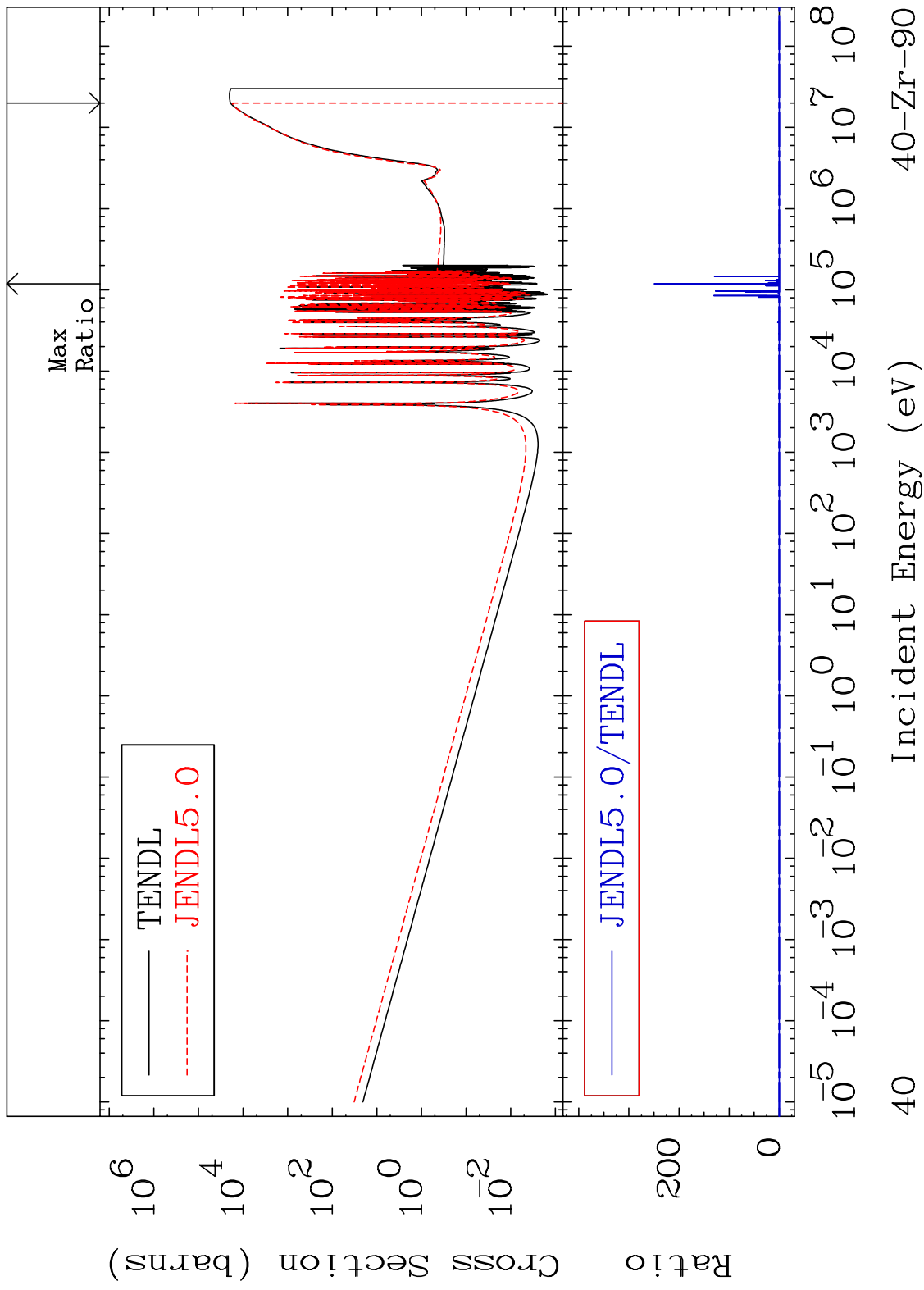


38 Incident Energy (eV) 40-Zr-90

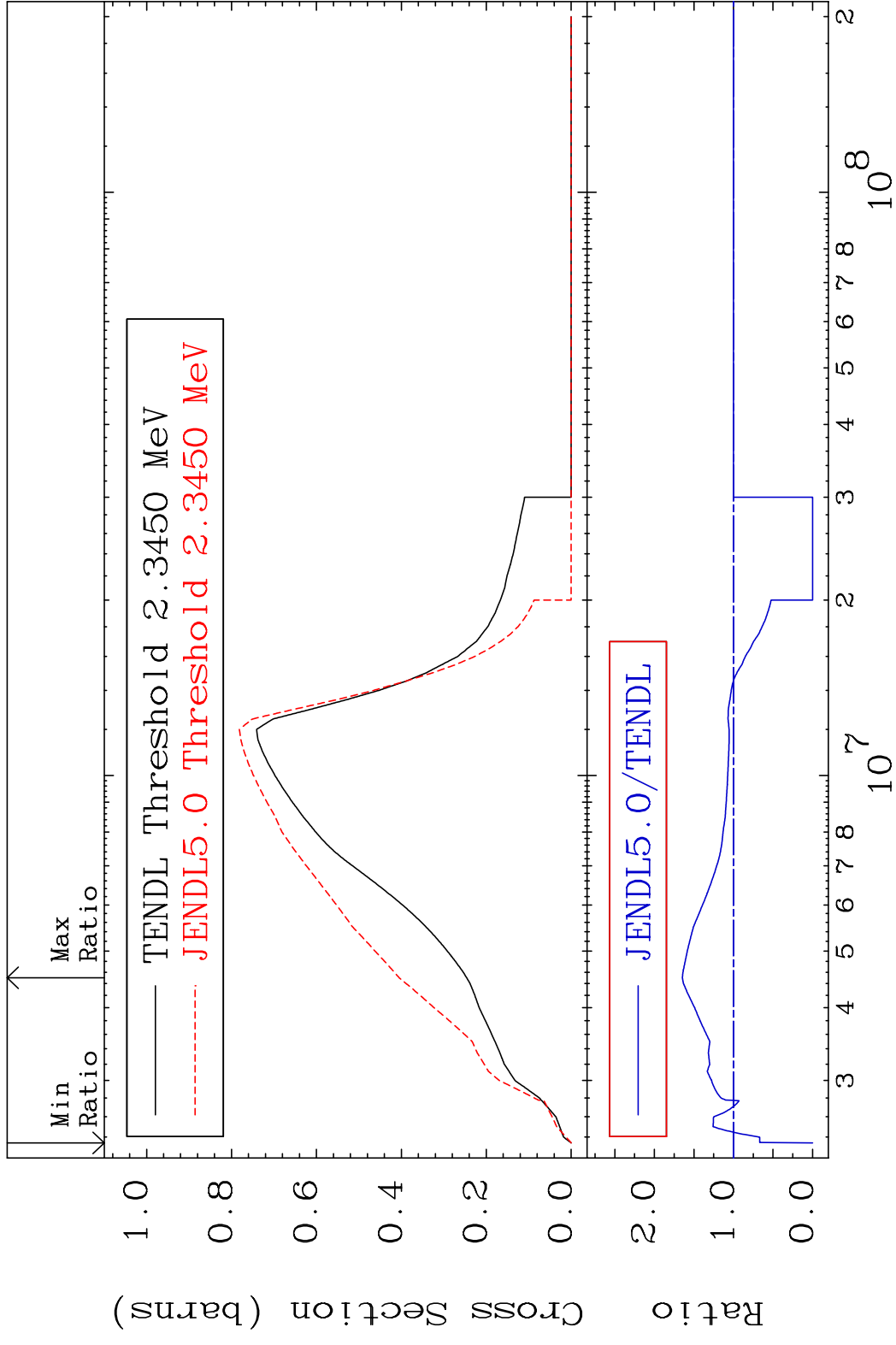
MAT 4025 Dpa inelastic (mt51-91) 40-Zr-90
 Cross Section -100.0 To 9999. %



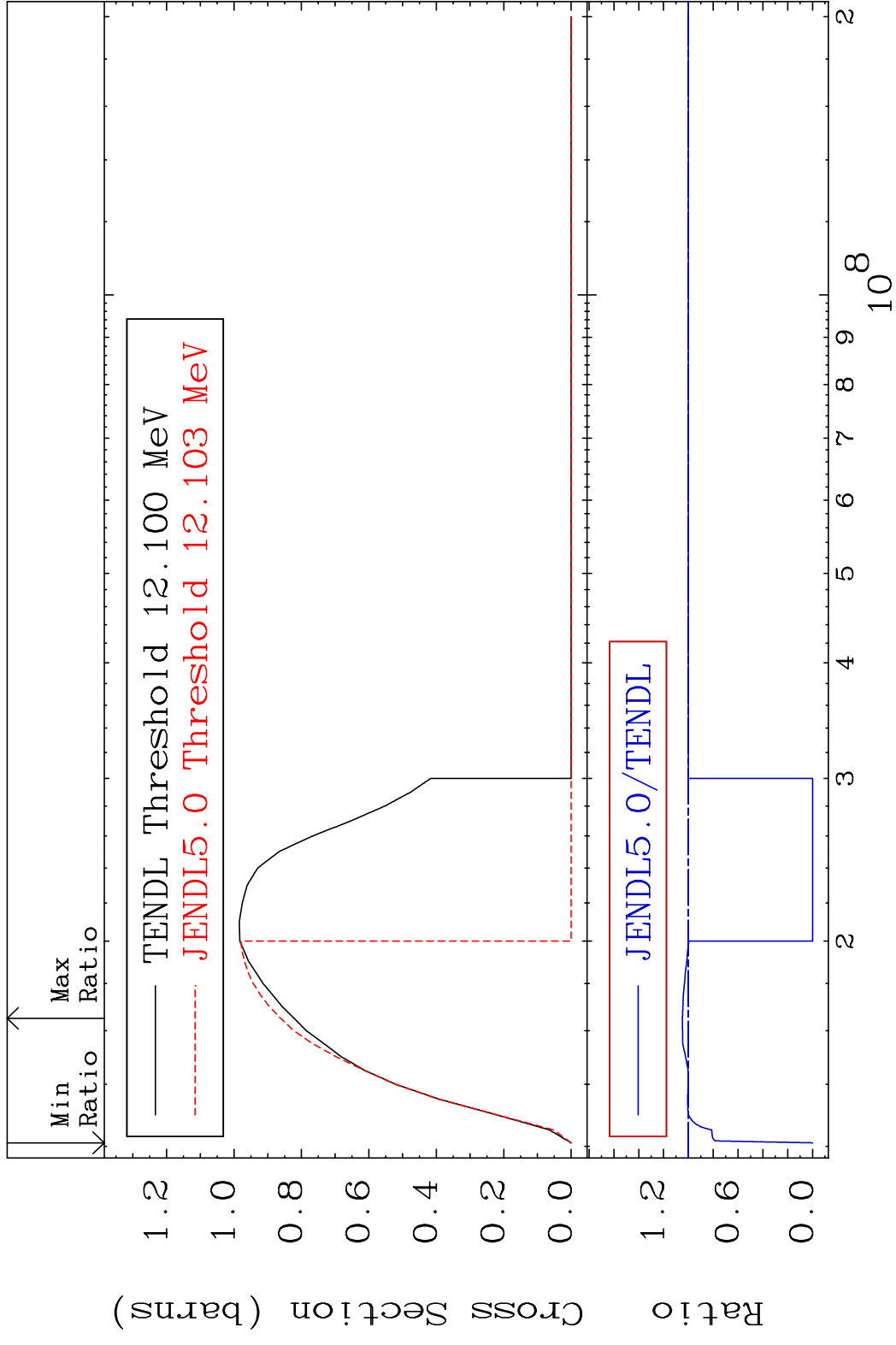
MAT 4025 Dpa disappearance (mt102 -120) 40-Zr-90
 Cross Section -100.0 To 9999. %



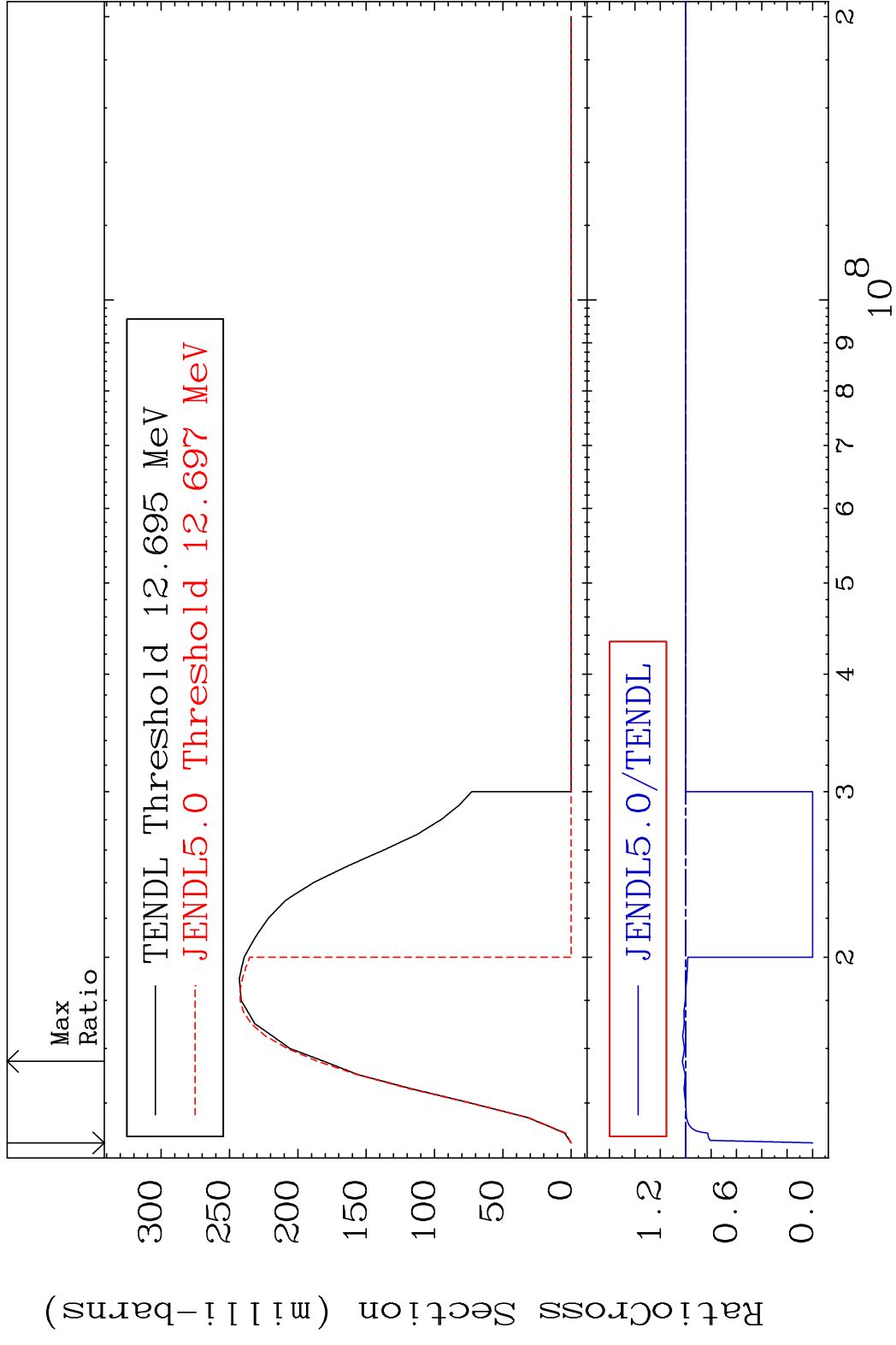
MAT 4025 Inelastic: 40-Zr-90m3 40-Zr-90
 Radionuclide Production Cross Section 180.01 dno 64.61 %



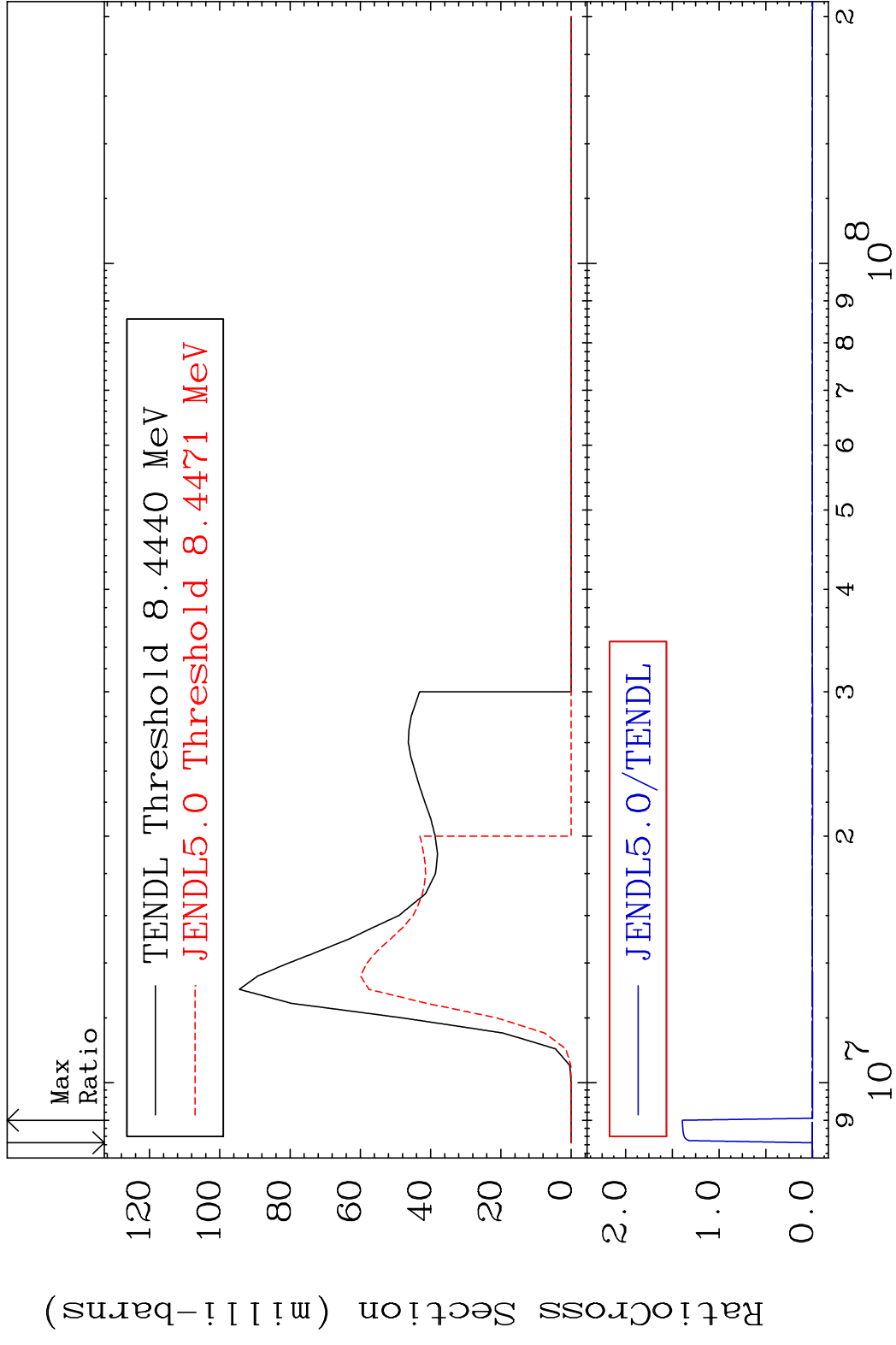
MAT 4025 (n,2n):40-Zr-89g 40-Zr-90
 Radionuclide Production Cross Section Ratio 4.870 %



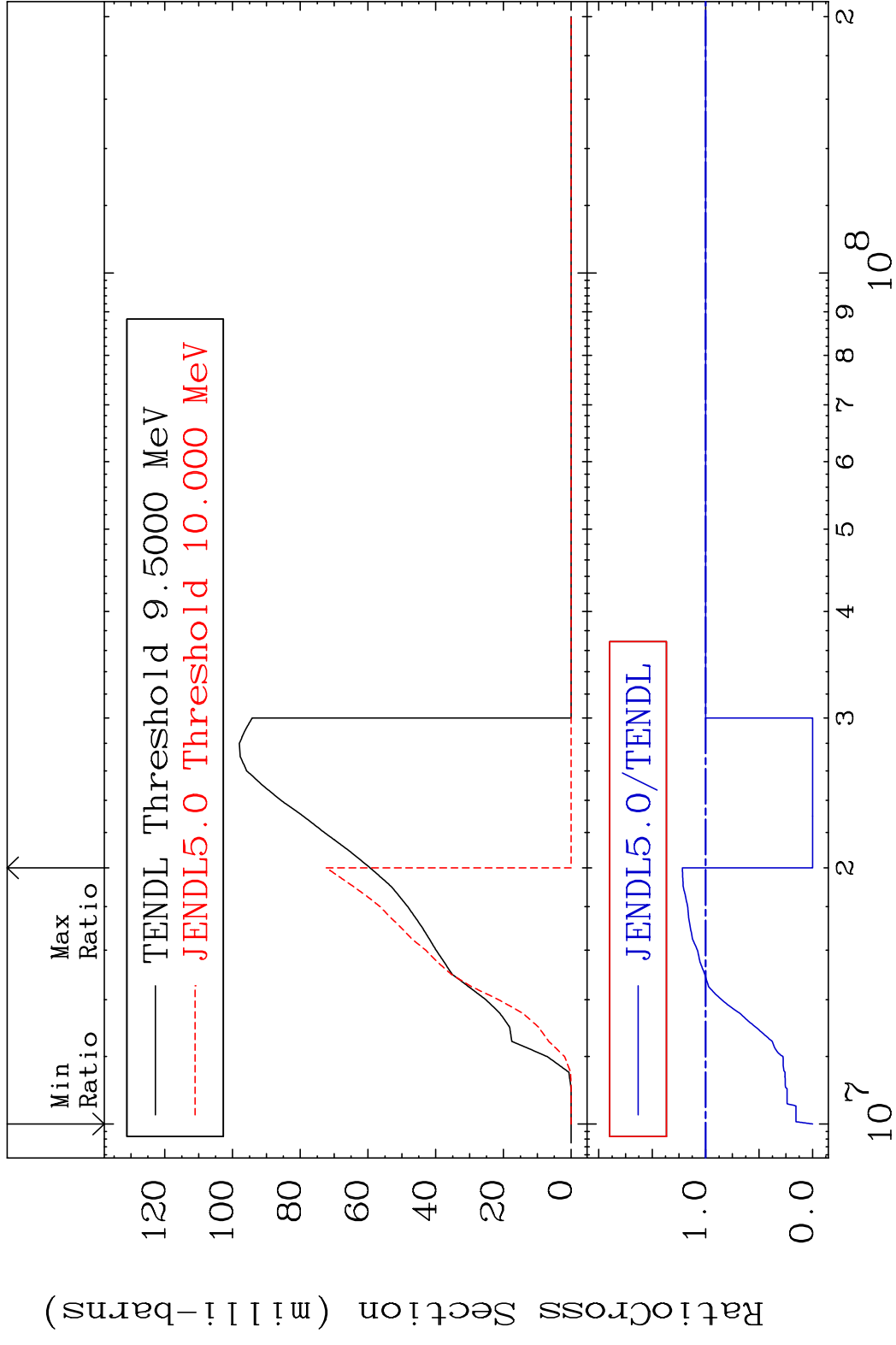
MAT 4025 (n,2n):40-Zr-89m1 40-Zr-90
 Radionuclide Production Cross Section Ratio 2.593 %



MAT 4025 (n, n') p:39-Y -89g 40-Zr-90
 Radionuclide Production Cross Section 1800.0 dth 9999. %

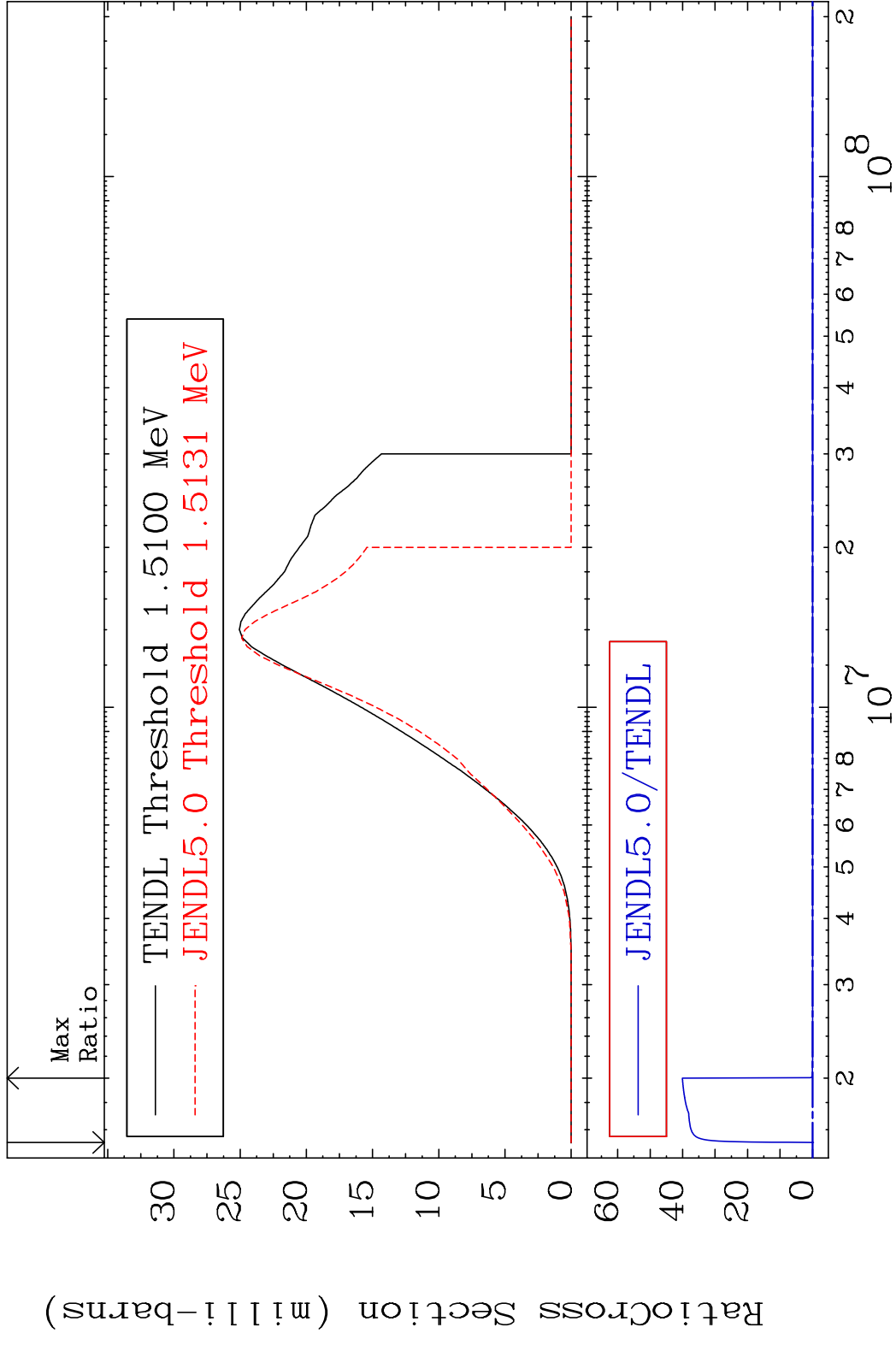


MAT 4025 (n, n') p:39-Y -89m1 40-Zr-90
 Radionuclide Production Cross Section 180.01 dth 21.81 %

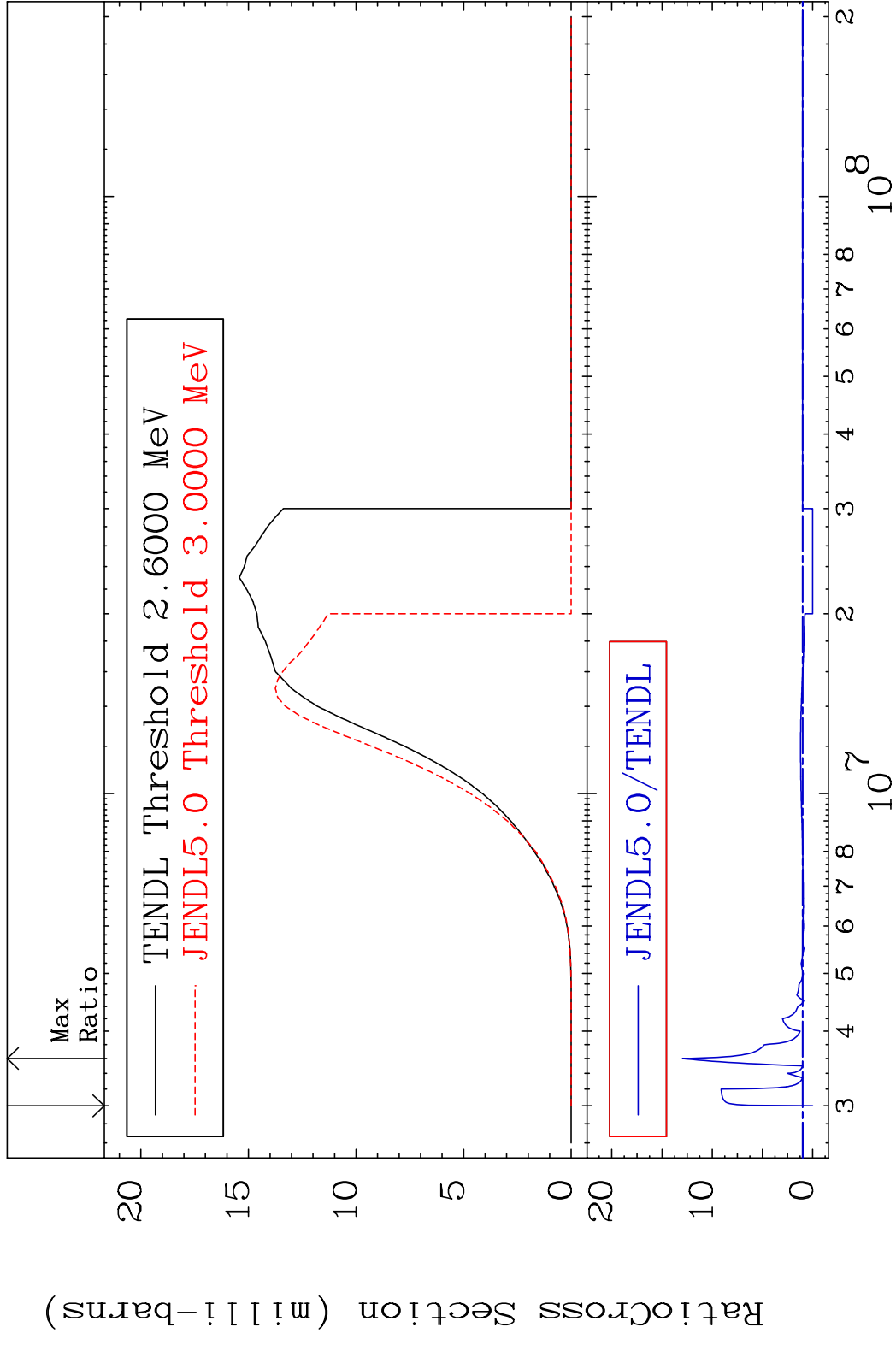


45 Incident Energy (eV) 40-Zr-90

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

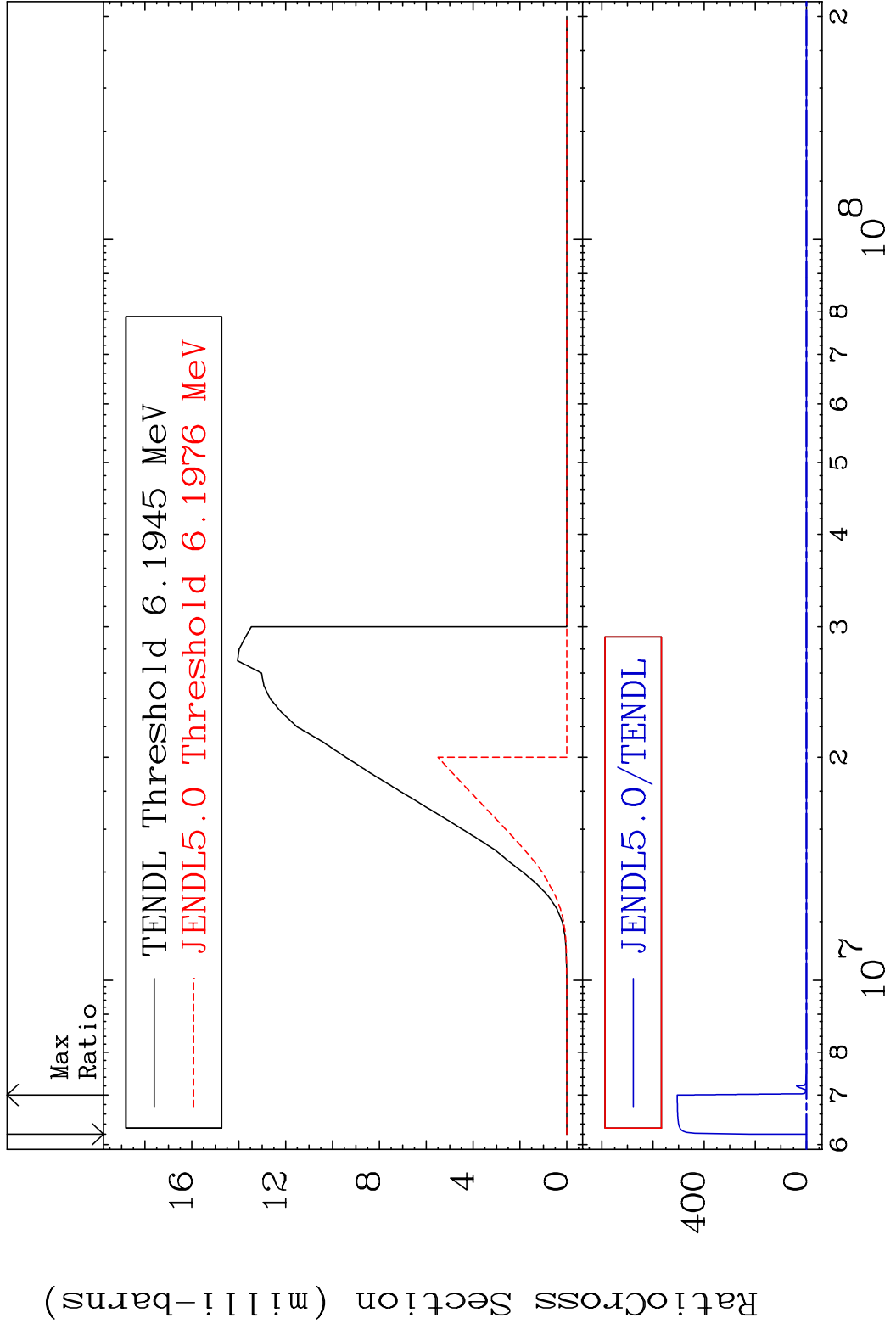


MAT 4025 (n,p):39-Y -90m2 40-Zr-90
 Radionuclide Production Cross Section 180.0 dth 1197. %



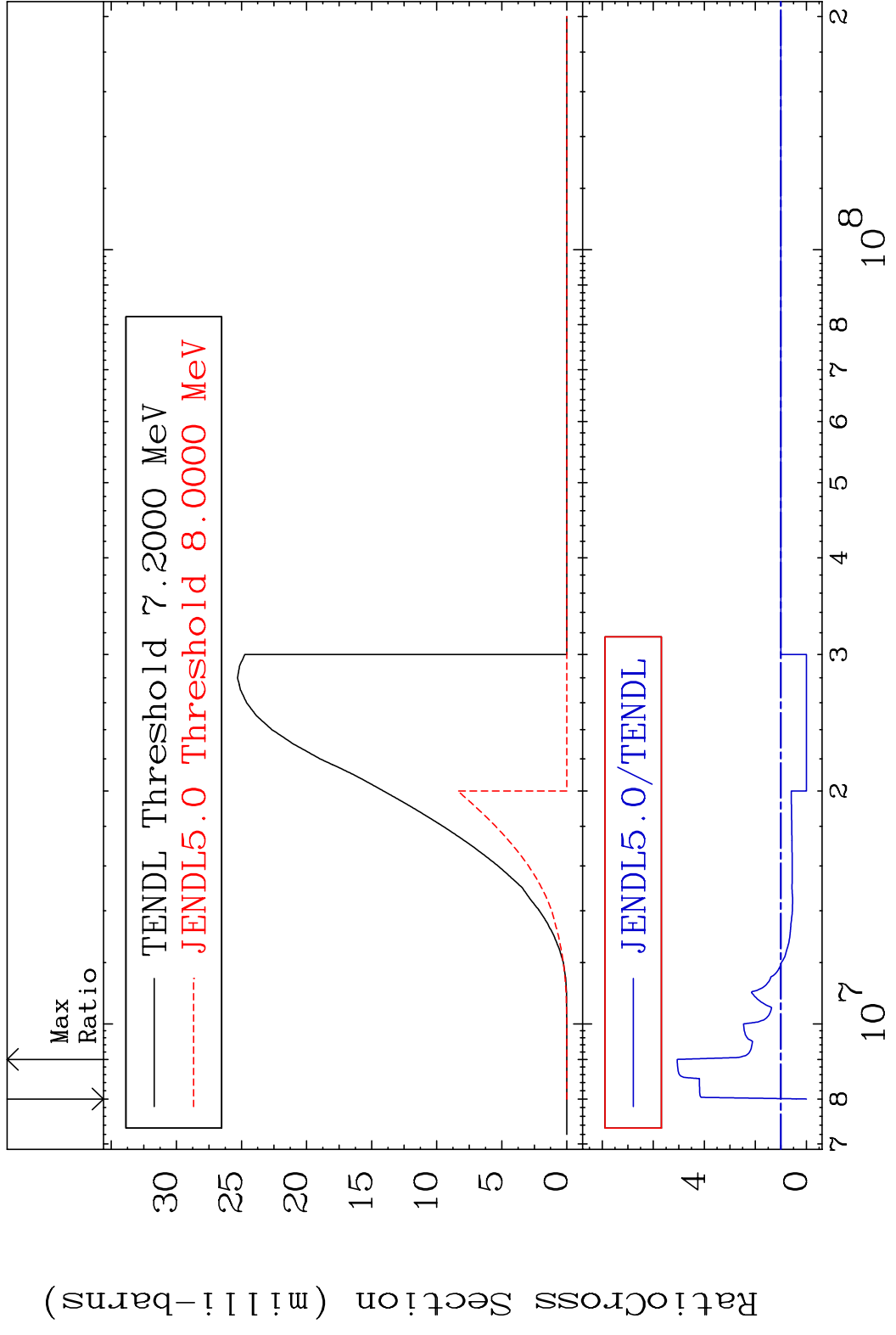
47 40-Zr-90

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

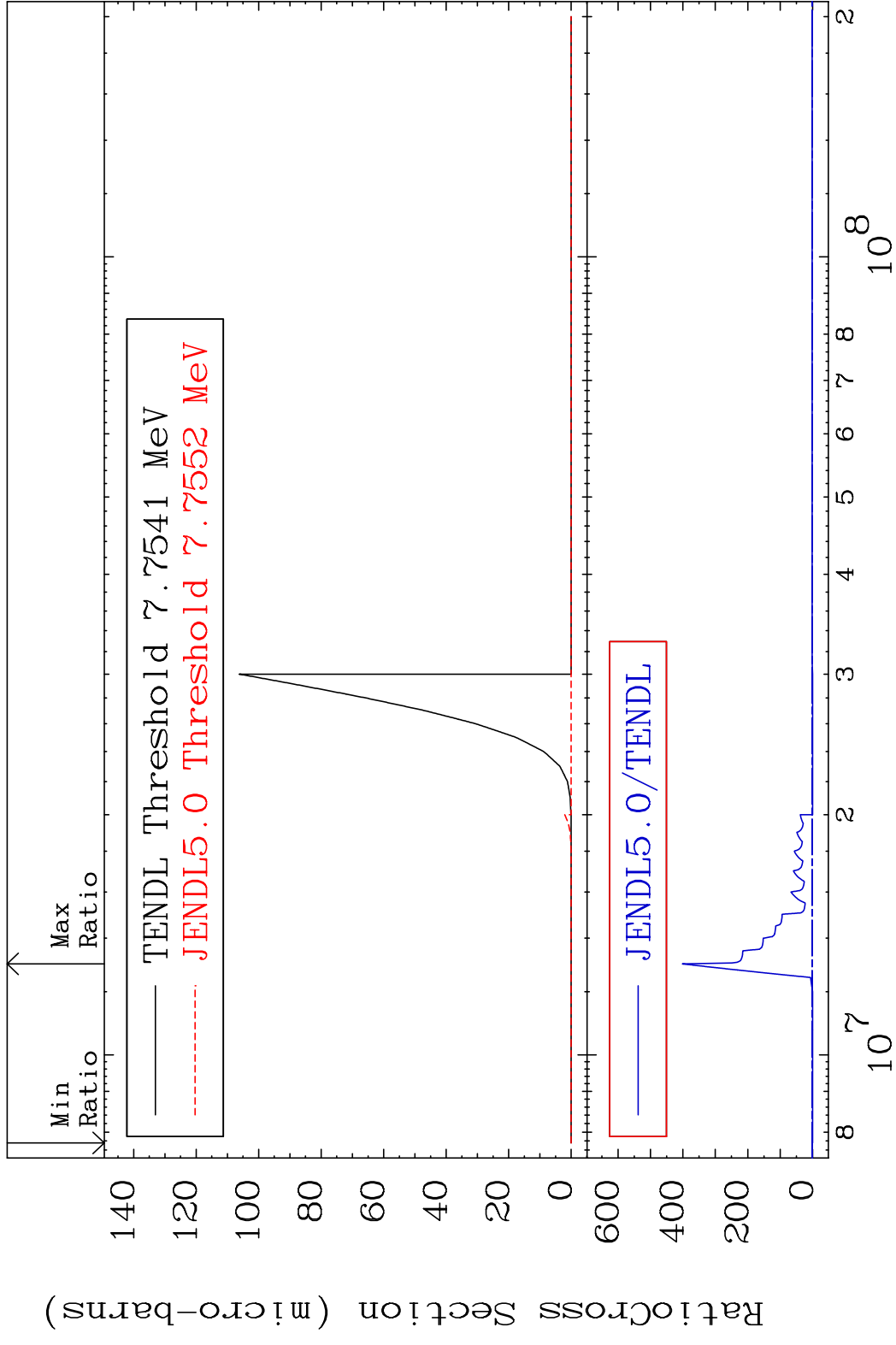


48 40-Zr-90

MAT 4025 (n,d):39-Y -89m1 40-Zr-90
 Radionuclide Production Cross Section 180.0 mb 406.4 %



MAT 4025 (n,p) α :37-Rb-86g 40-Zr-90
 Radionuclide Production Cross Section 100.00 % 9999. %



50 Incident Energy (eV) 40-Zr-90

