

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

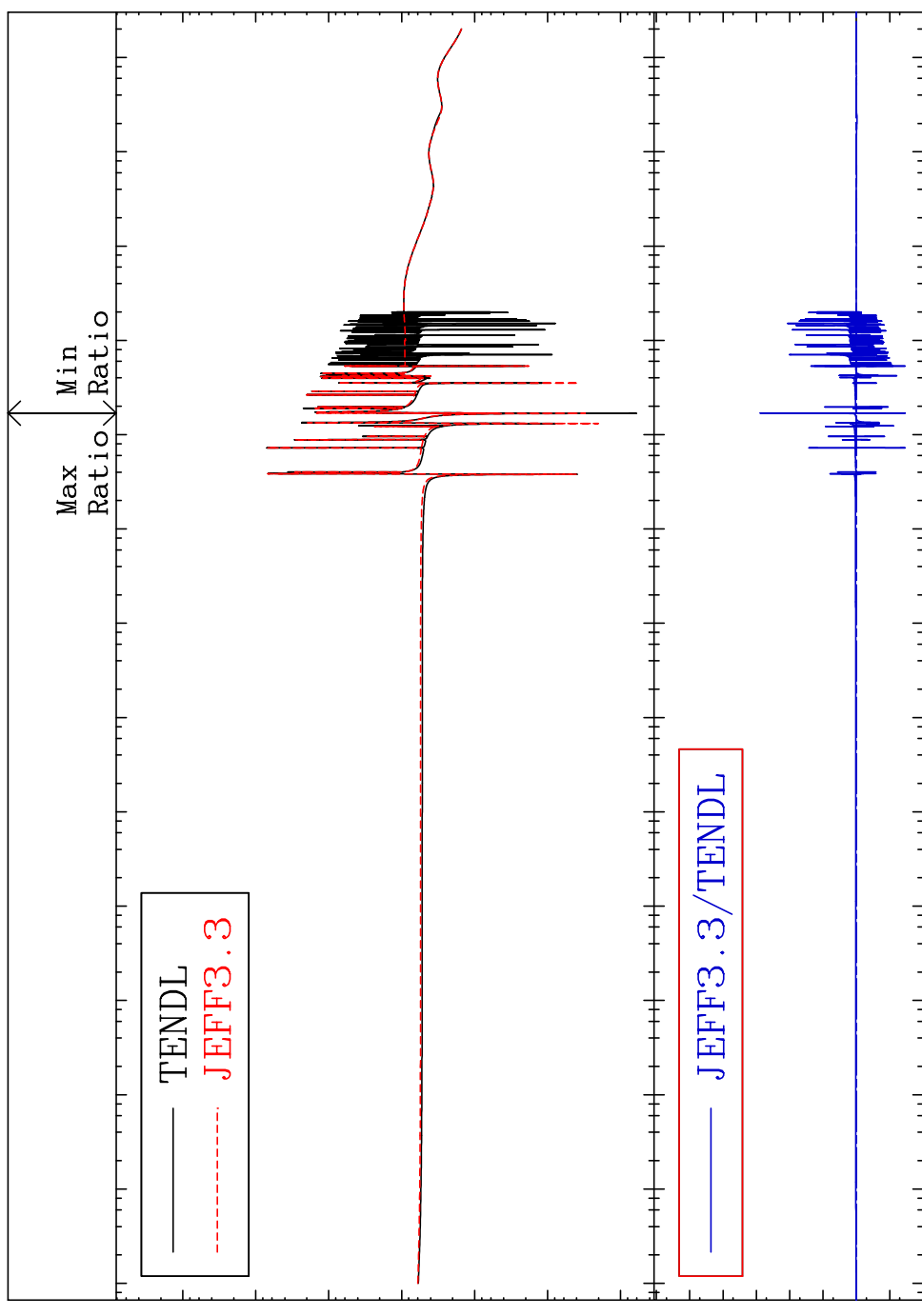
MAT 4025

Total

40-Zr-90

Cross Section

-96.58 To 9999. %



10^4
 10^3
 10^2
 10^1
 10^0
 10^{-1}
 10^{-2}
Cross Section (barns)

10^4
 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)

1

40-Zr-90

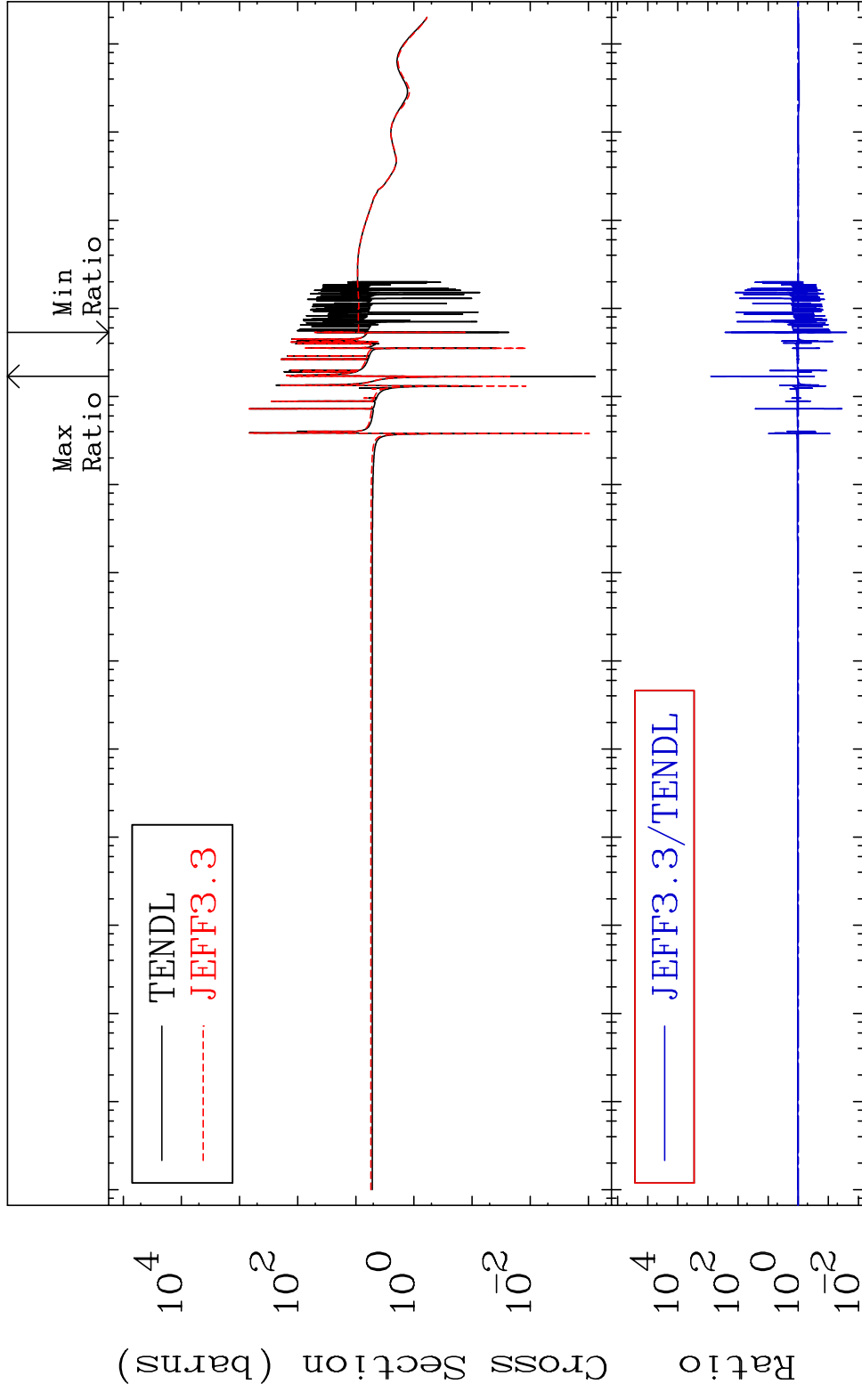
MAT 4025

Elastic

40-Zr-90

Cross Section

-97.47 To 9999. %

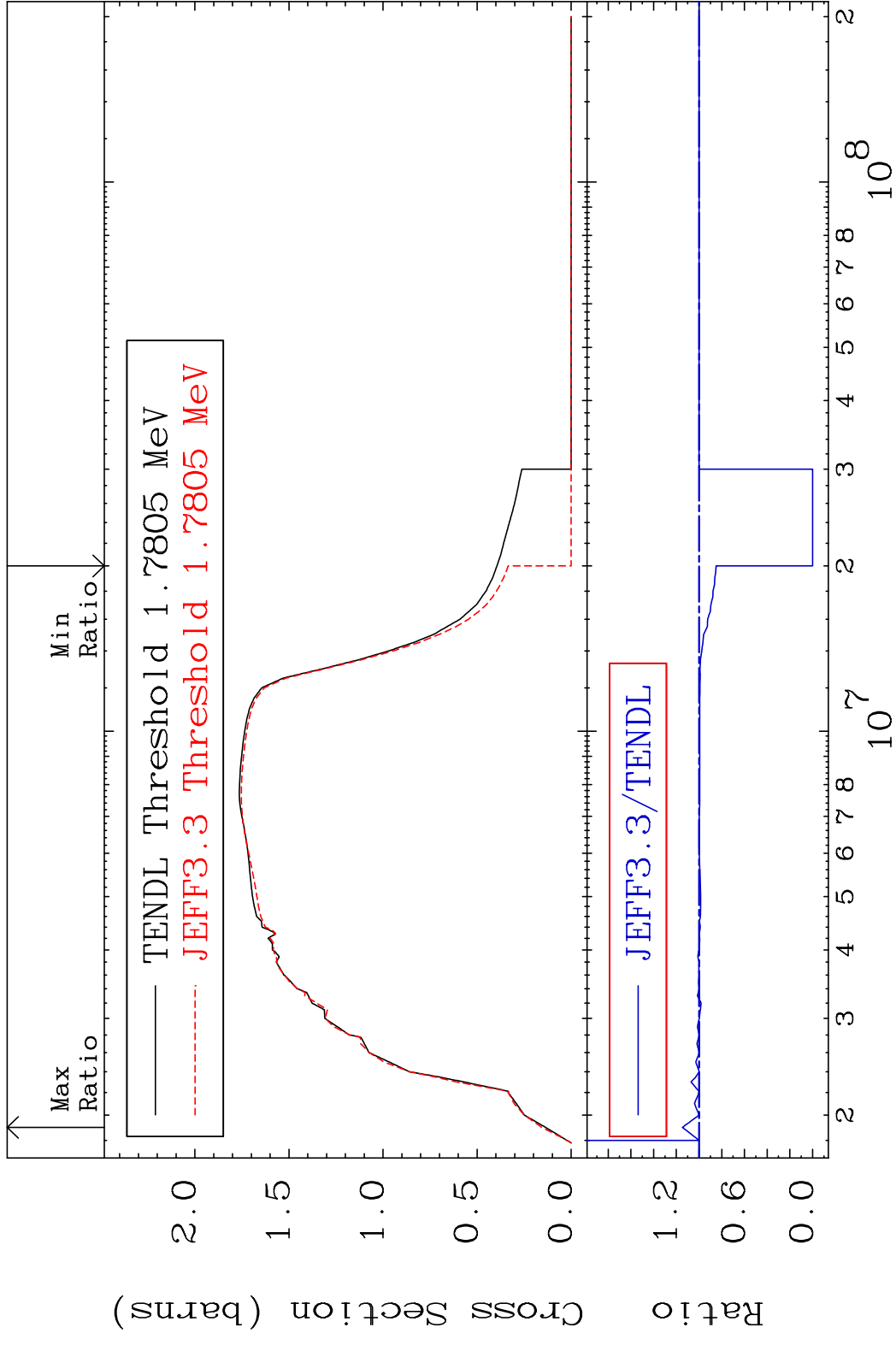


2

Incident Energy (eV)

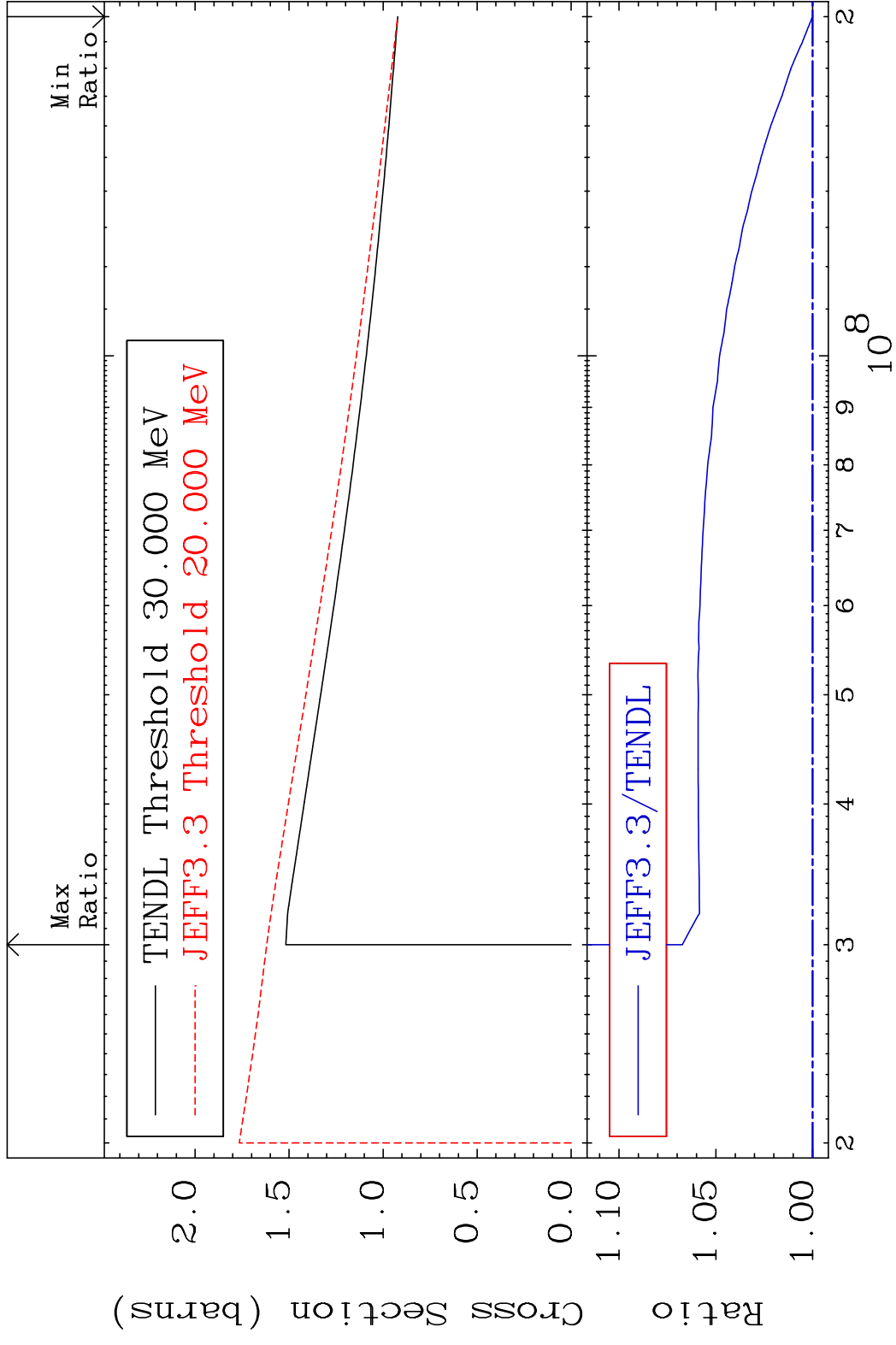
40-Zr-90

MAT 4025 Inelastic Cross Section -100.0 To 14.68 % 40-Zr-90



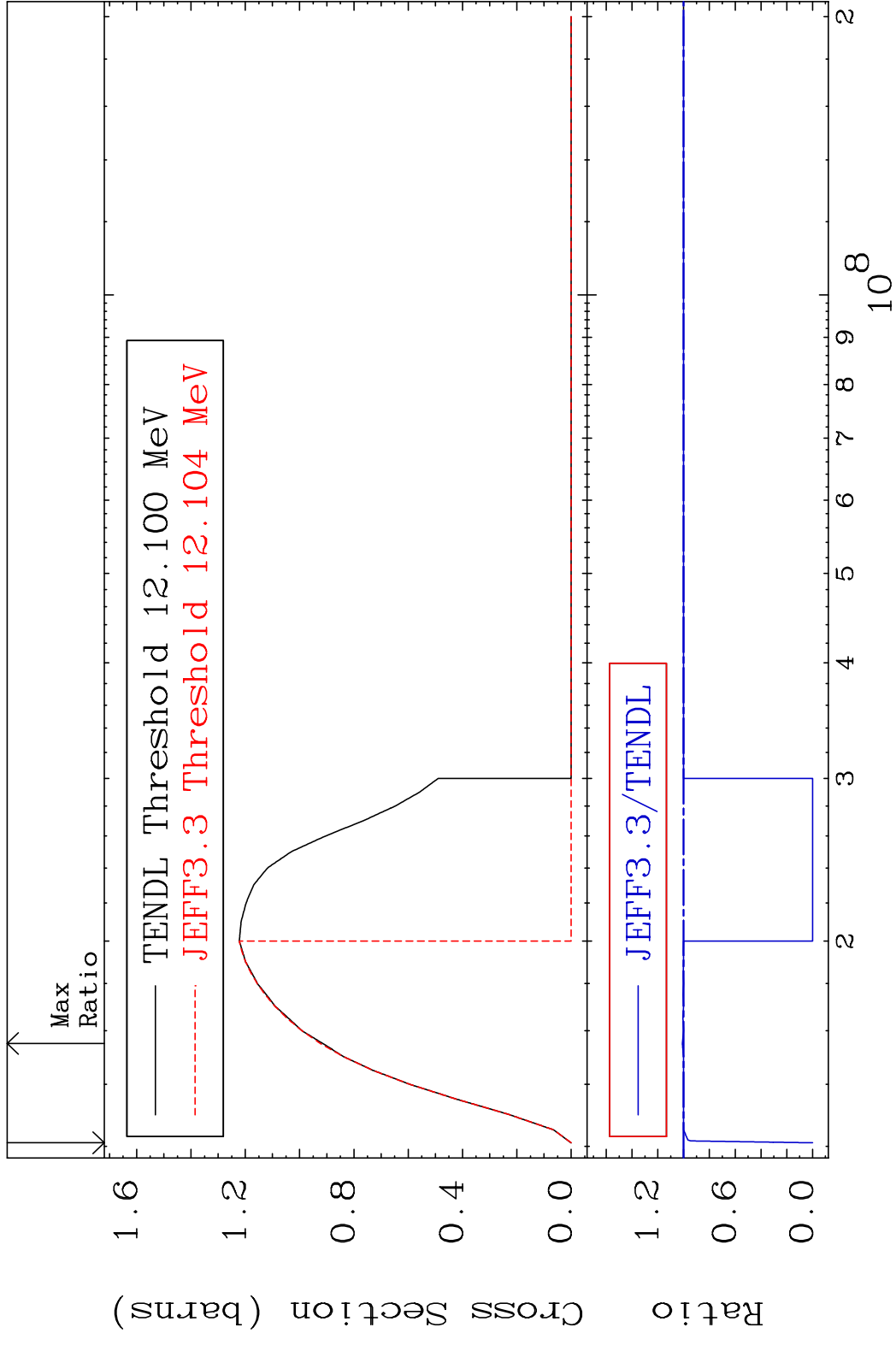
3 3 Incident Energy (eV) 40-Zr-90

MAT 4025 (n, remainder) 40-Zr-90
 Cross Section 0.004 To 6.729 %

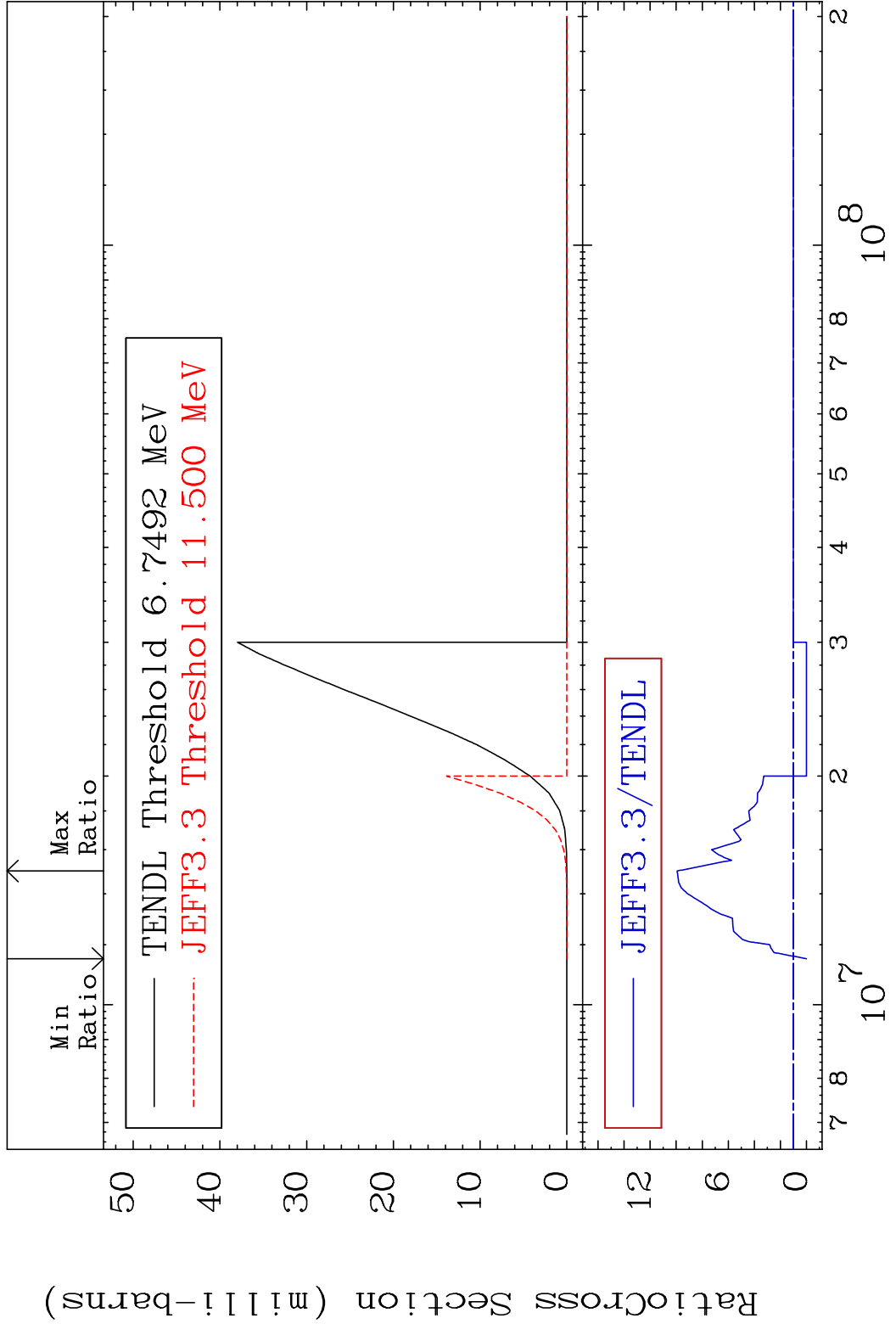


4 Incident Energy (eV) 40-Zr-90

MAT 4025 (n,2n) 40-Zr-90
 Cross Section -100.0 To 0.981 %

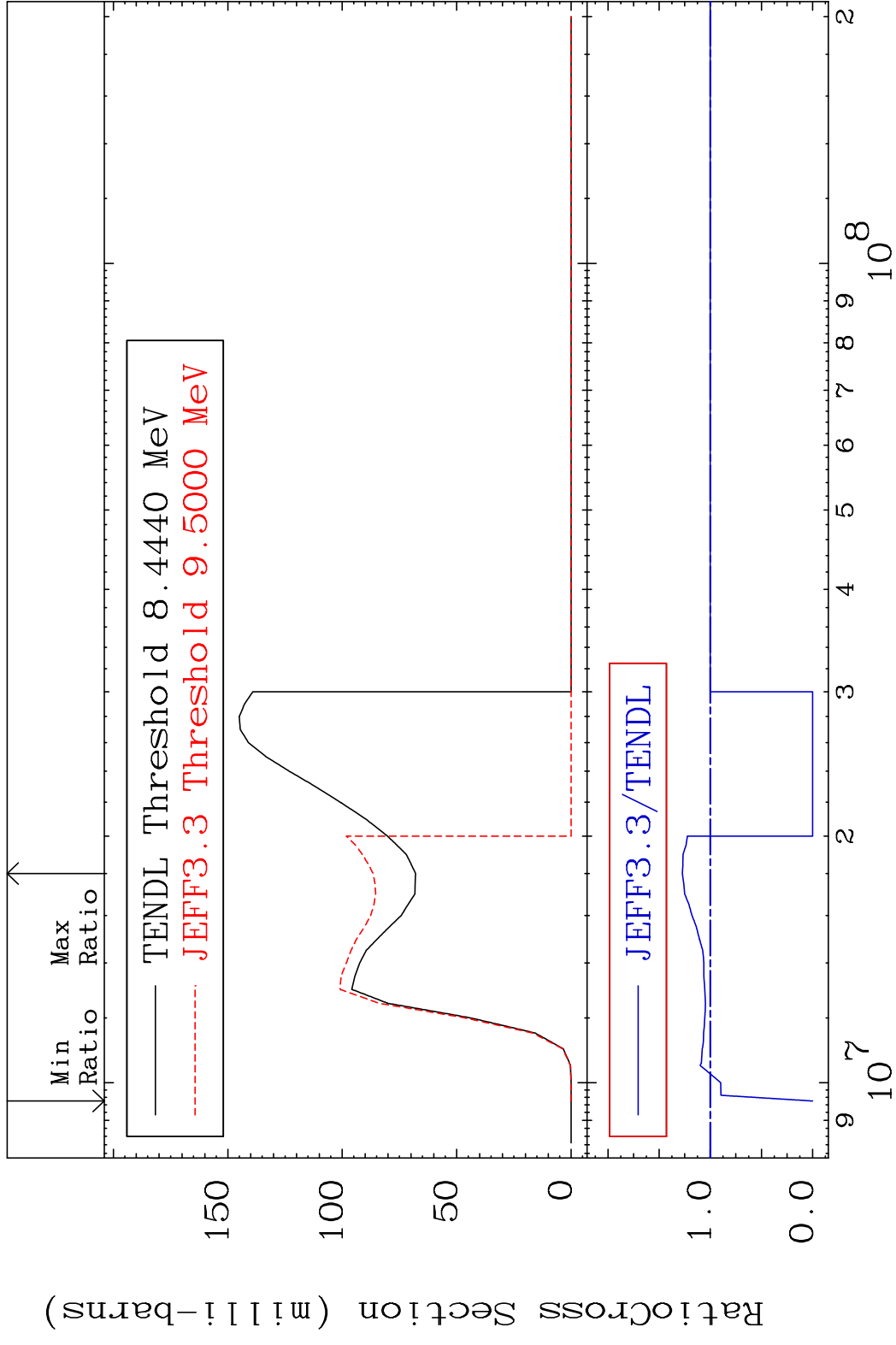


MAT 4025 (n, n') α 40-Zr-90
 Cross Section -100.0 To 892.4 %



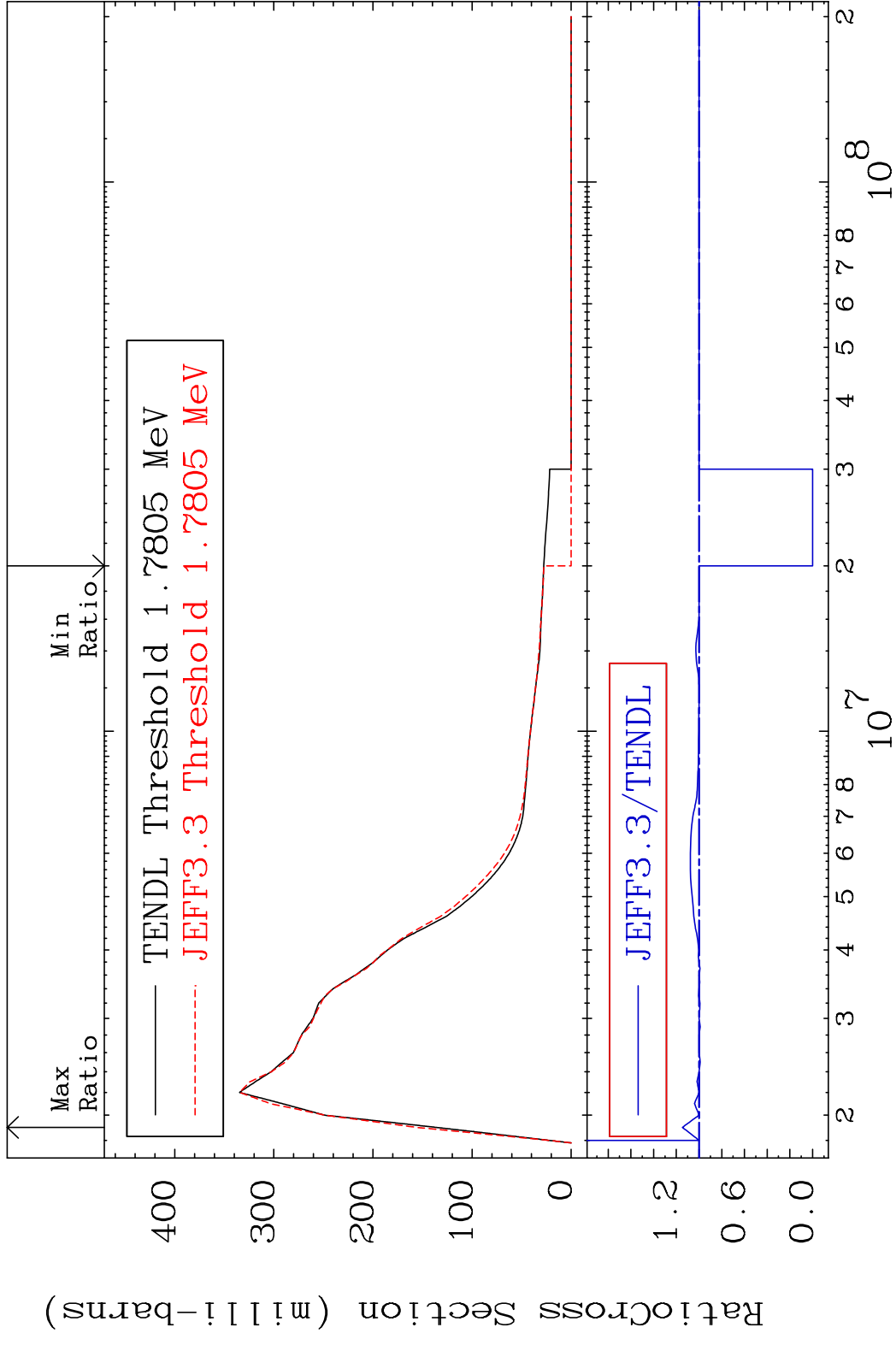
6 Incident Energy (eV) 40-Zr-90

MAT 4025 (n, n') p 40-Zr-90
 Cross Section -100.0 To 27.32 %



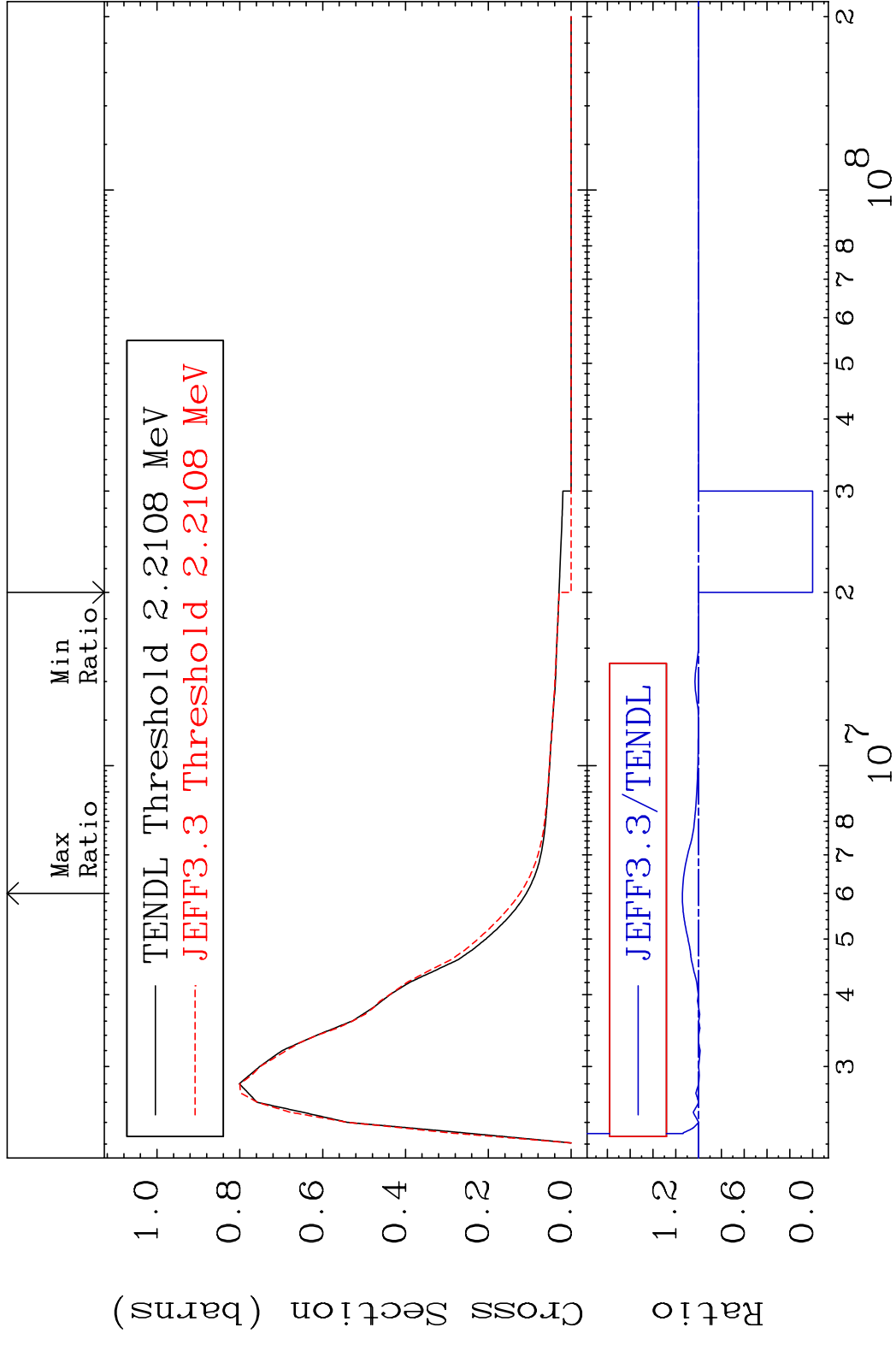
7 40-Zr-90

MAT 4025 MT= 51 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 14.68 %



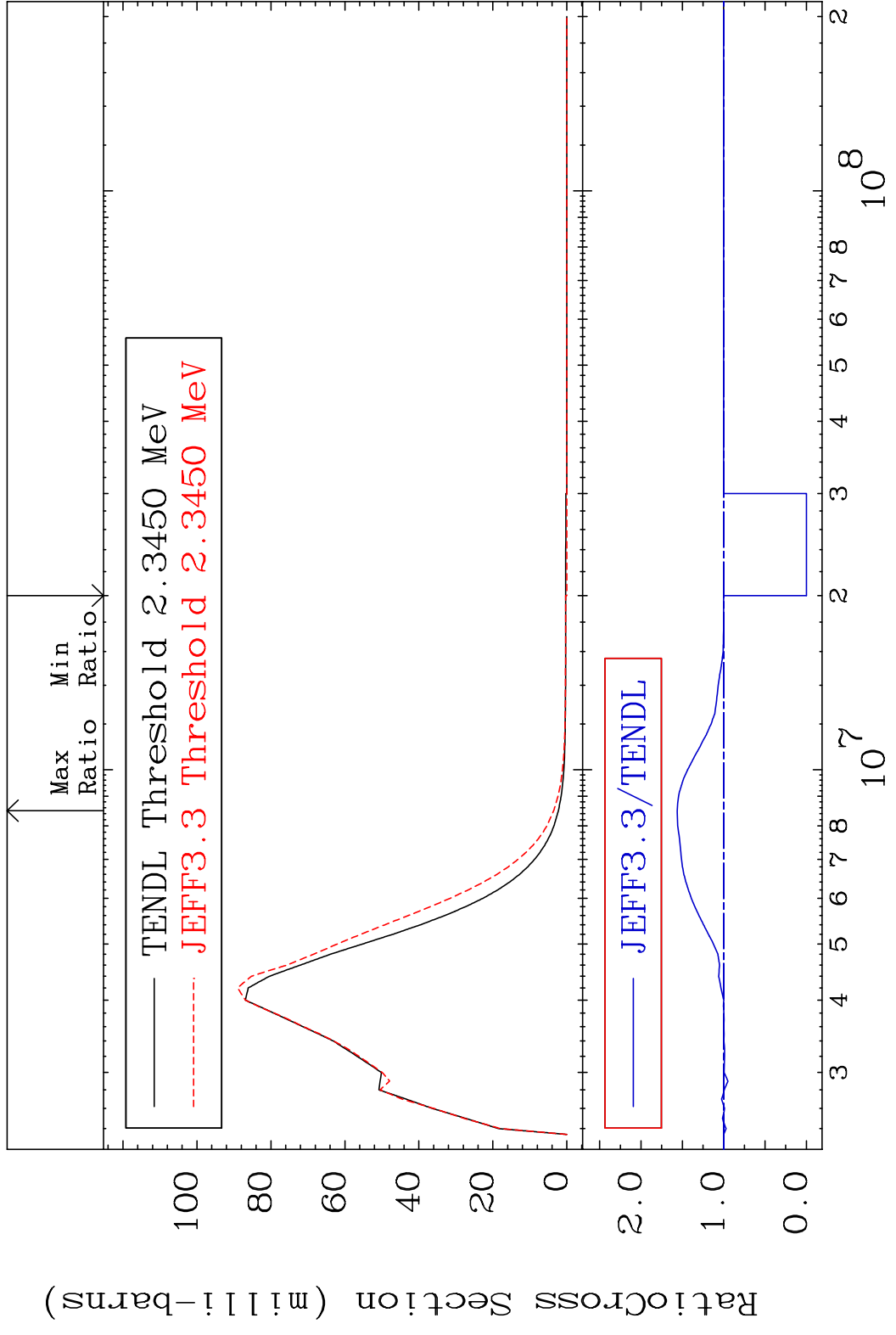
8 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 52 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 14.17 %



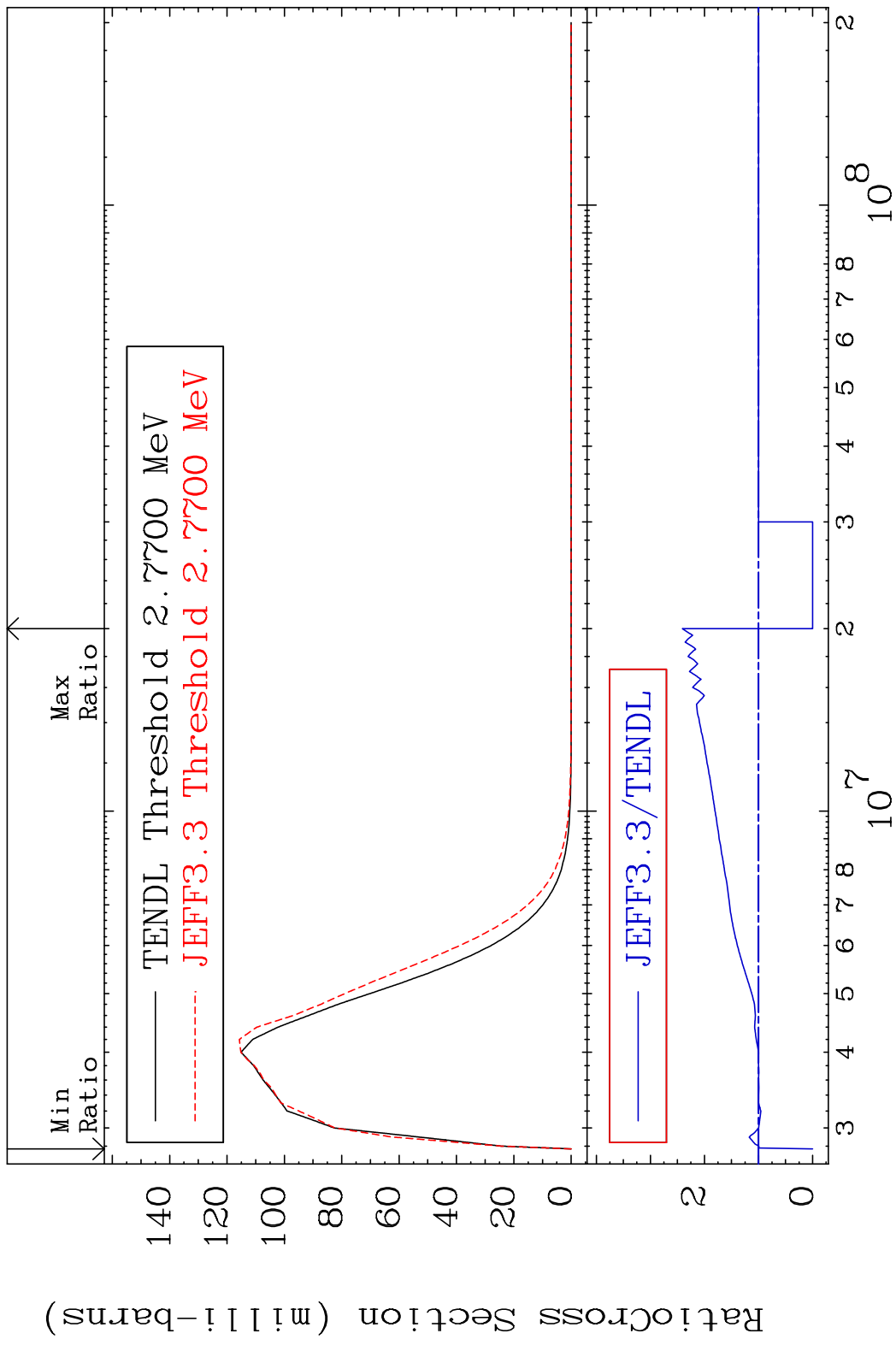
9 Incident Energy (eV) 40-Zr-90

MAT 4025 MT= 53 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 56.28 %

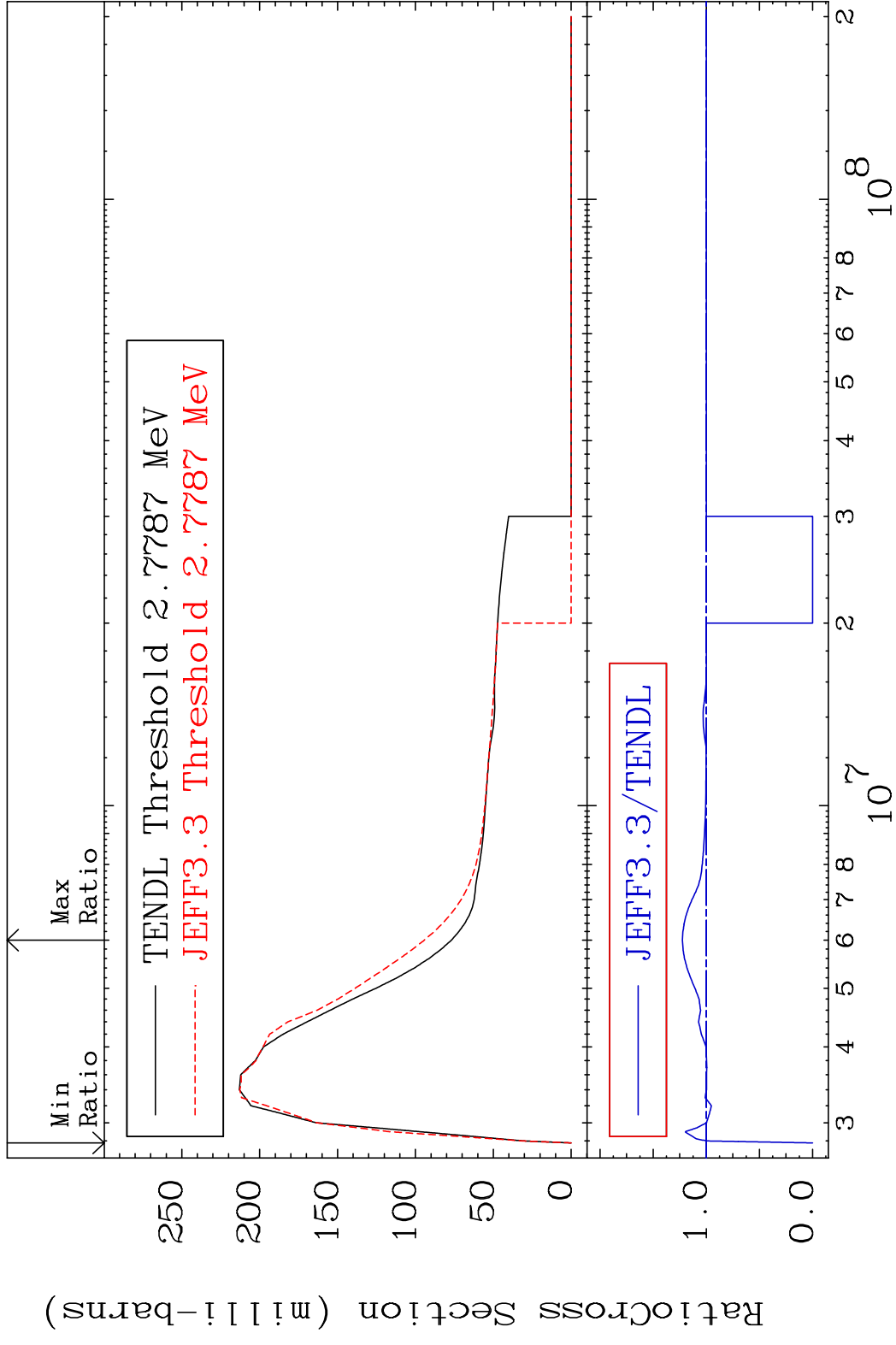


10 100 2.0 1.0 0.0 3 4 5 6 7 8 10⁷ 2 3 4 5 6 7 8 10⁸

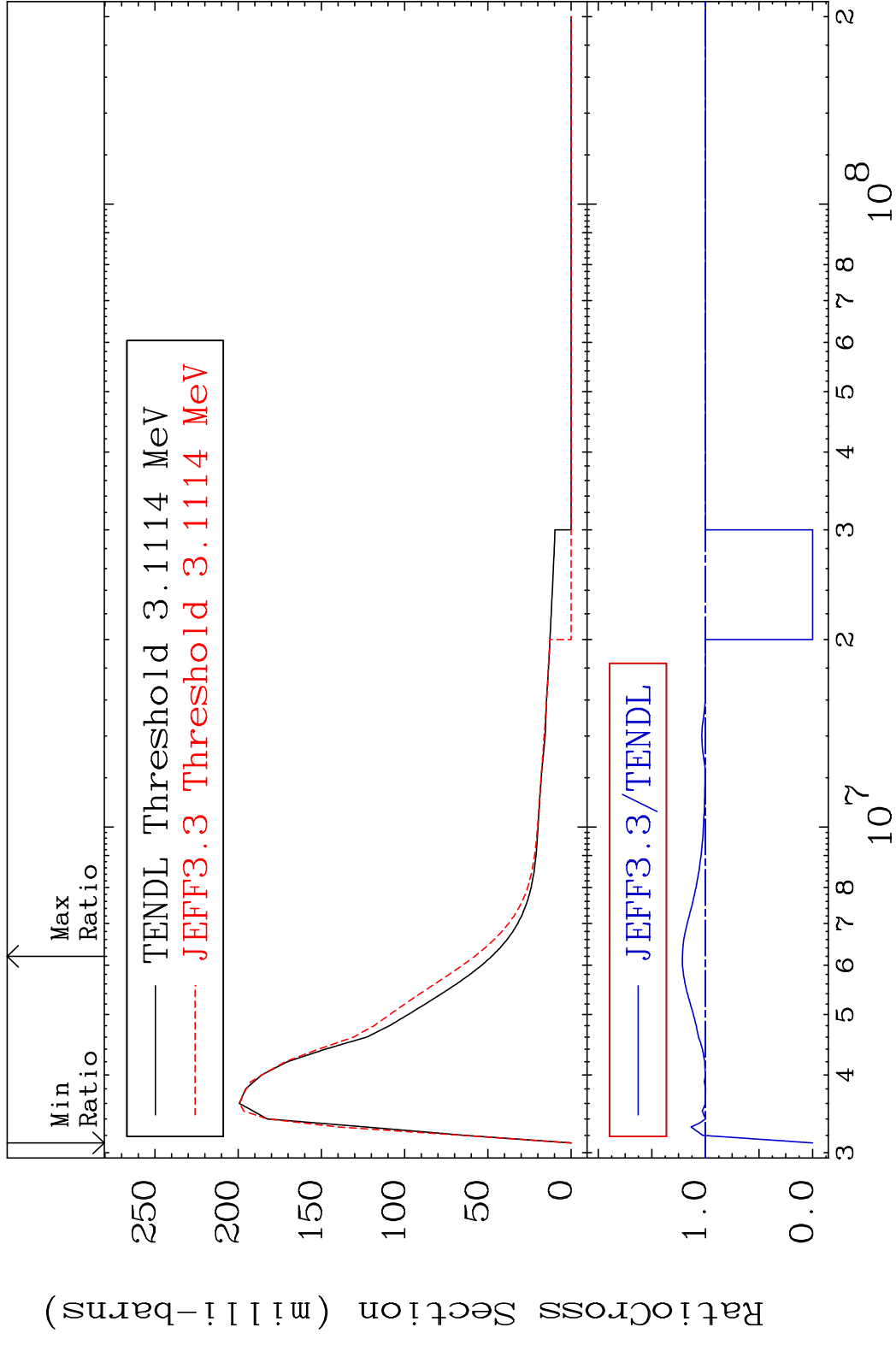
MAT 4025 MT= 54 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 140.9 %



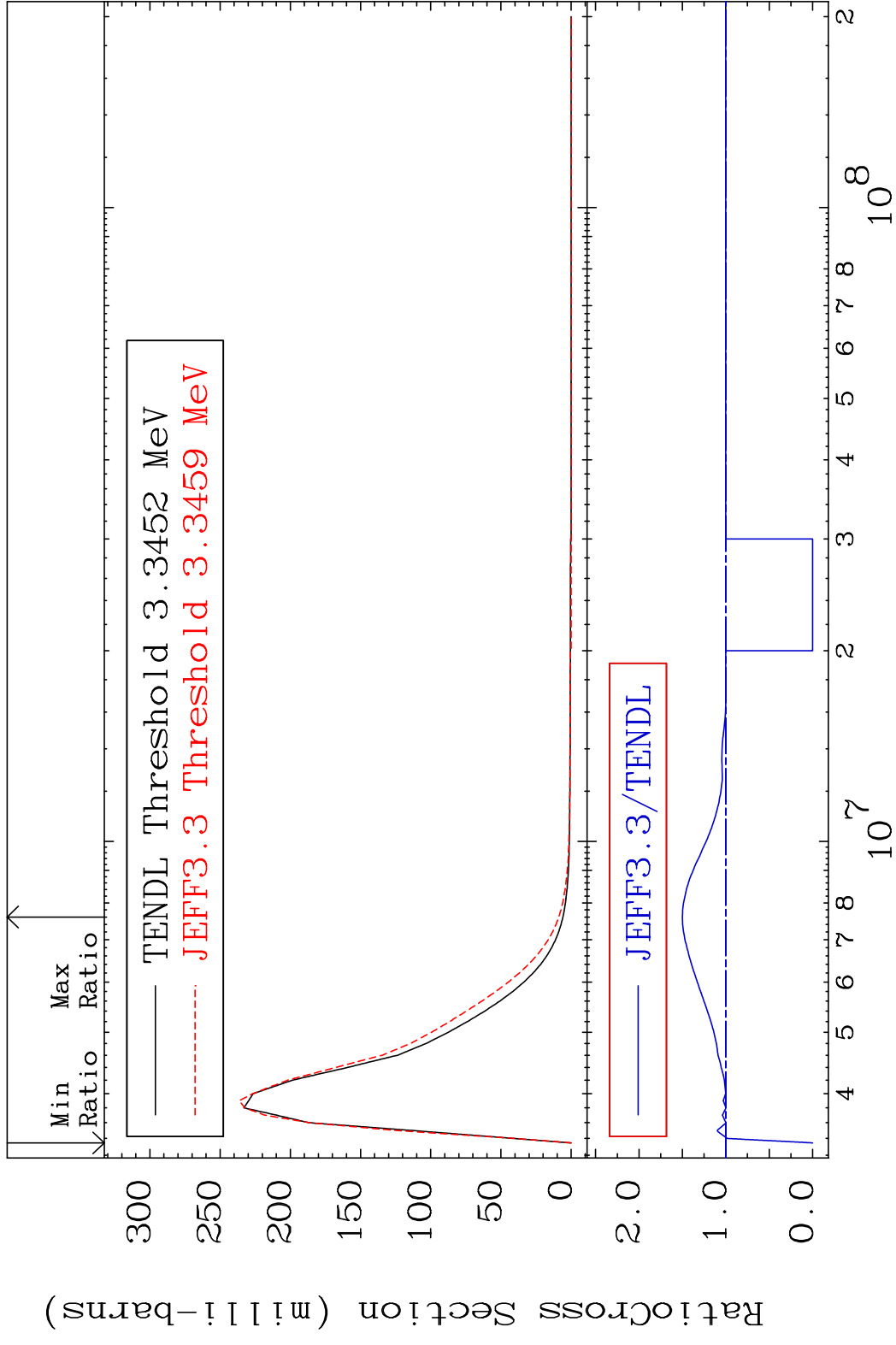
MAT 4025 MT= 55 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 22.52 %



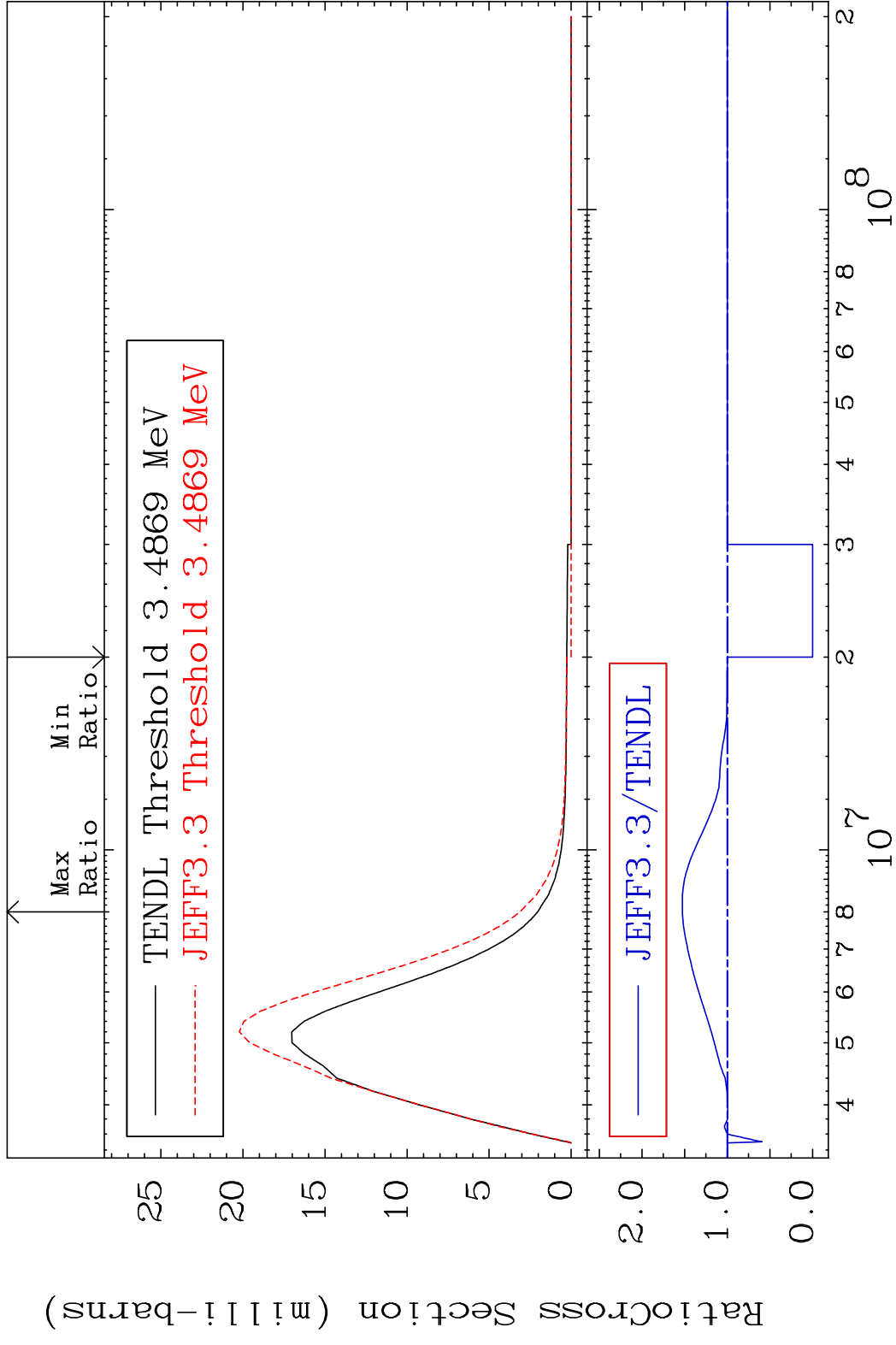
MAT 4025 MT= 56 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 21.52 %



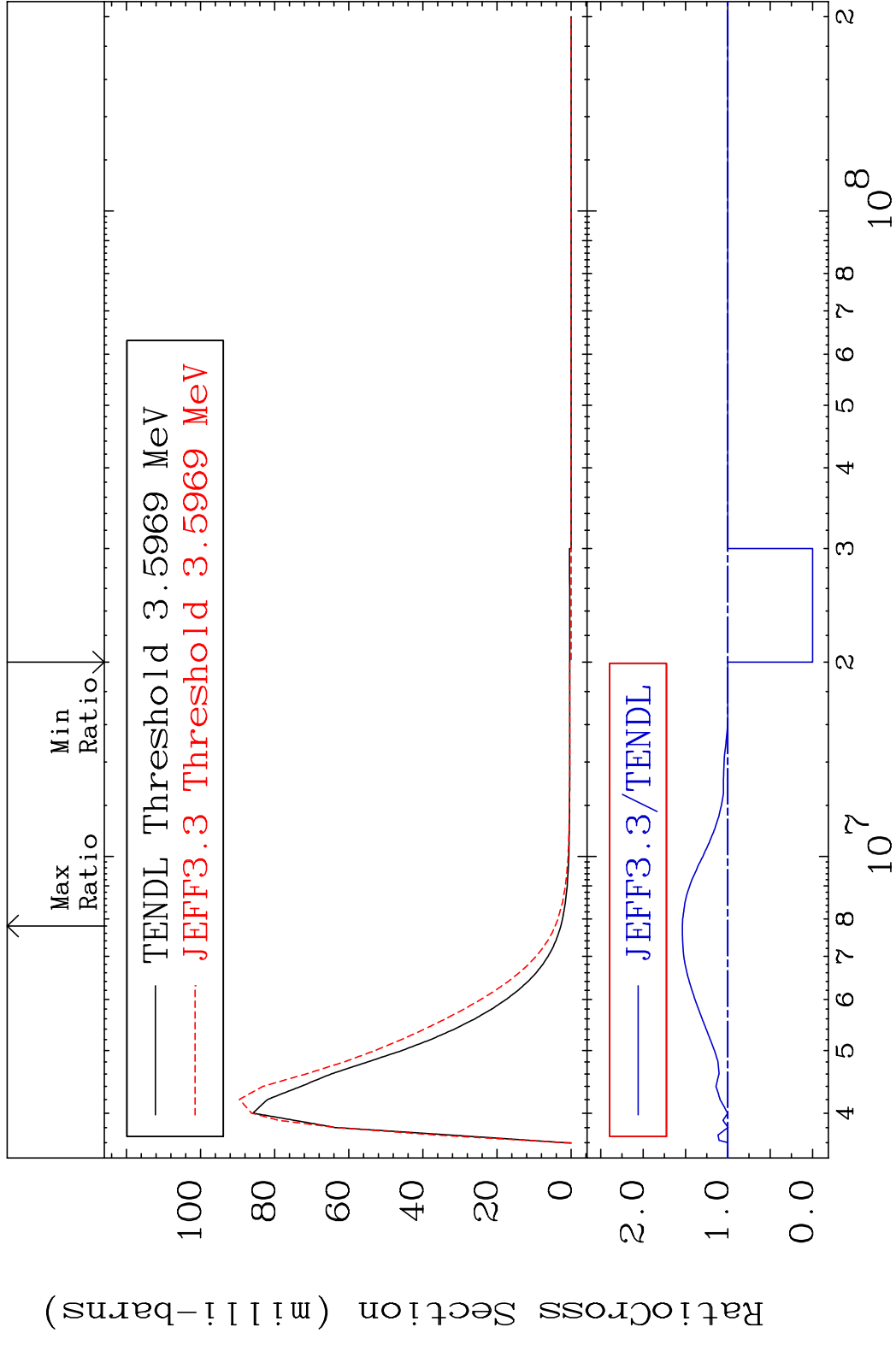
MAT 4025 MT= 57 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 50.04 %



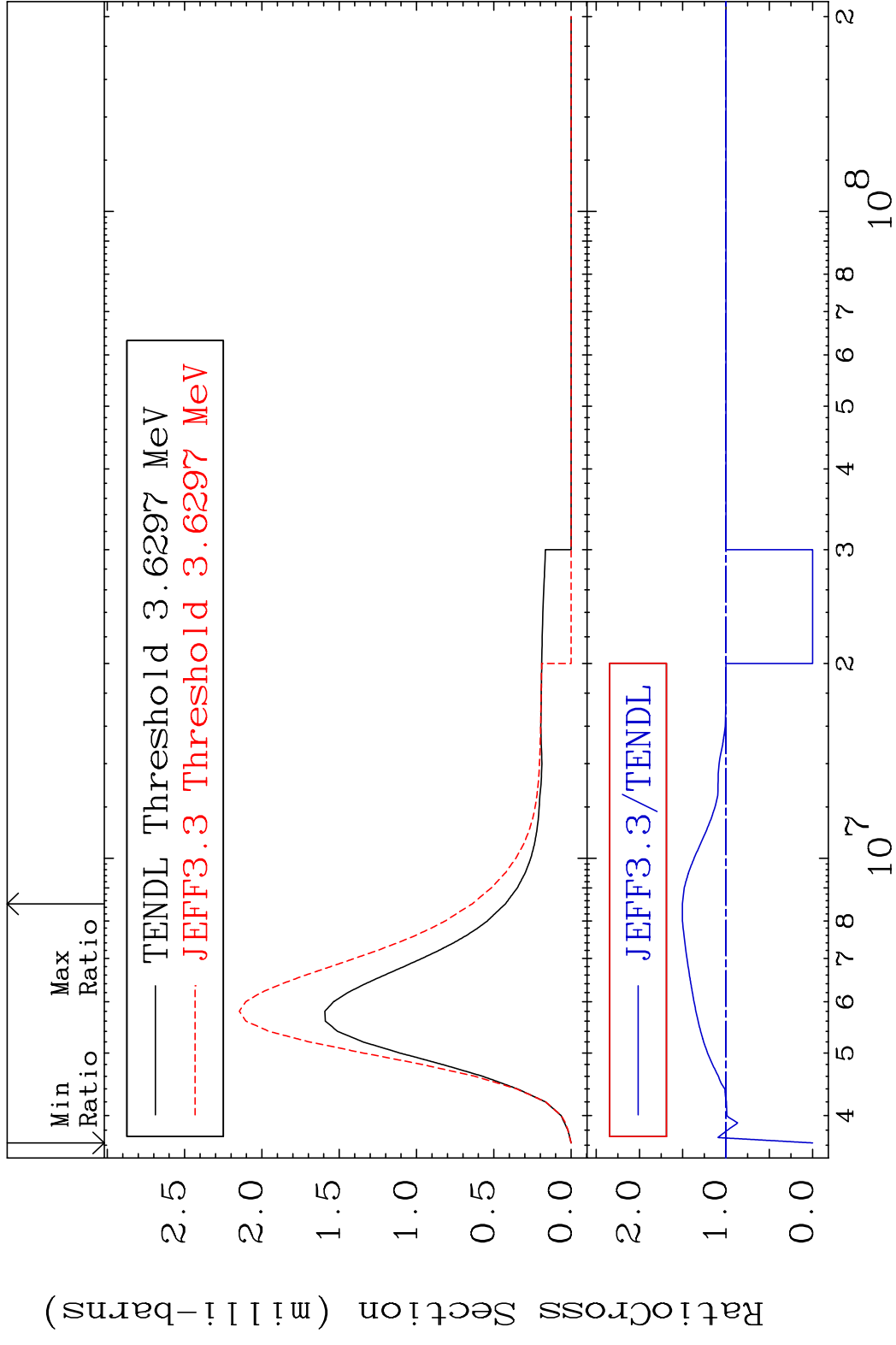
MAT 4025 MT= 58 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 52.68 %



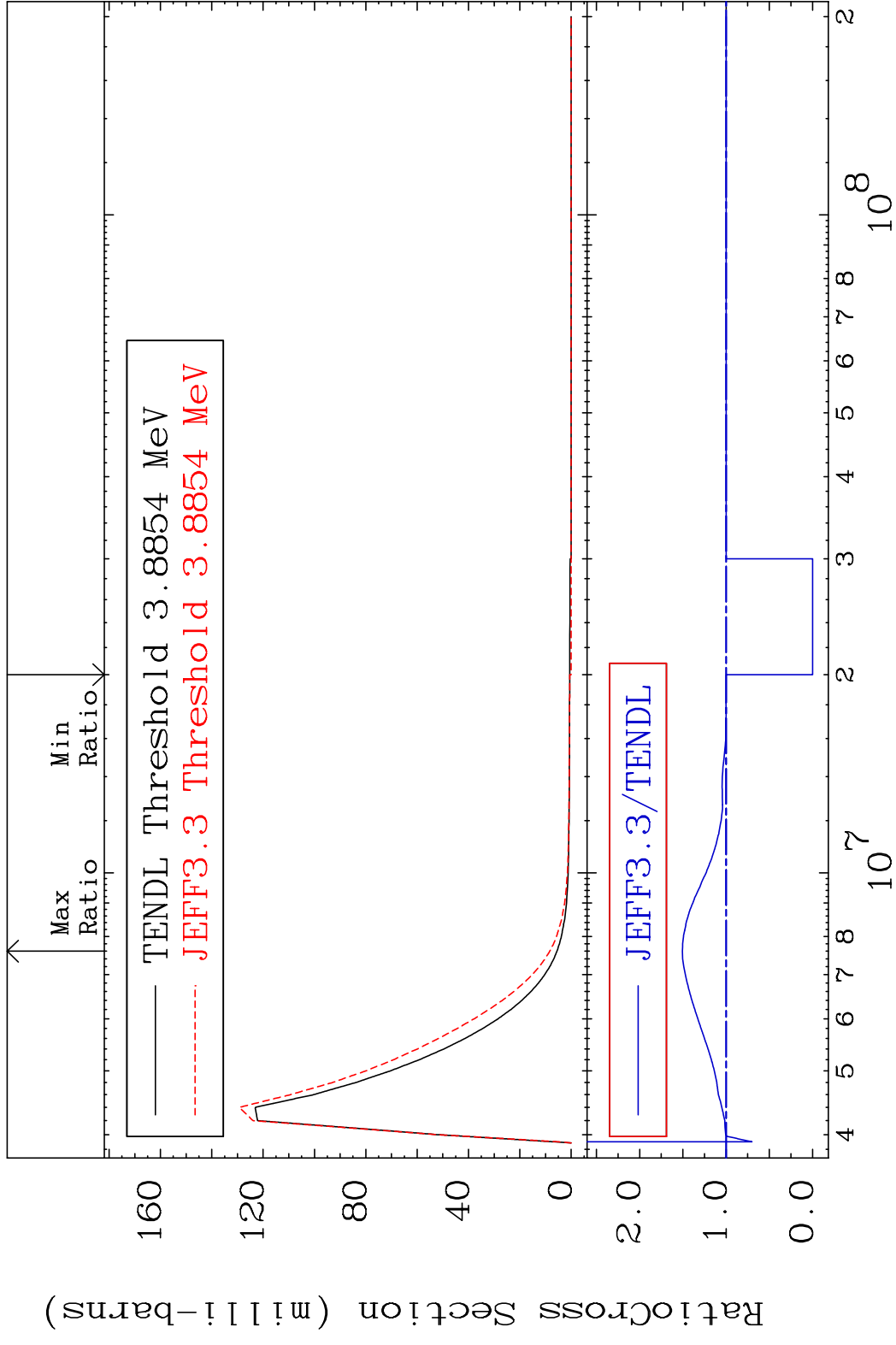
MAT 4025 MT= 59 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 53.73 %



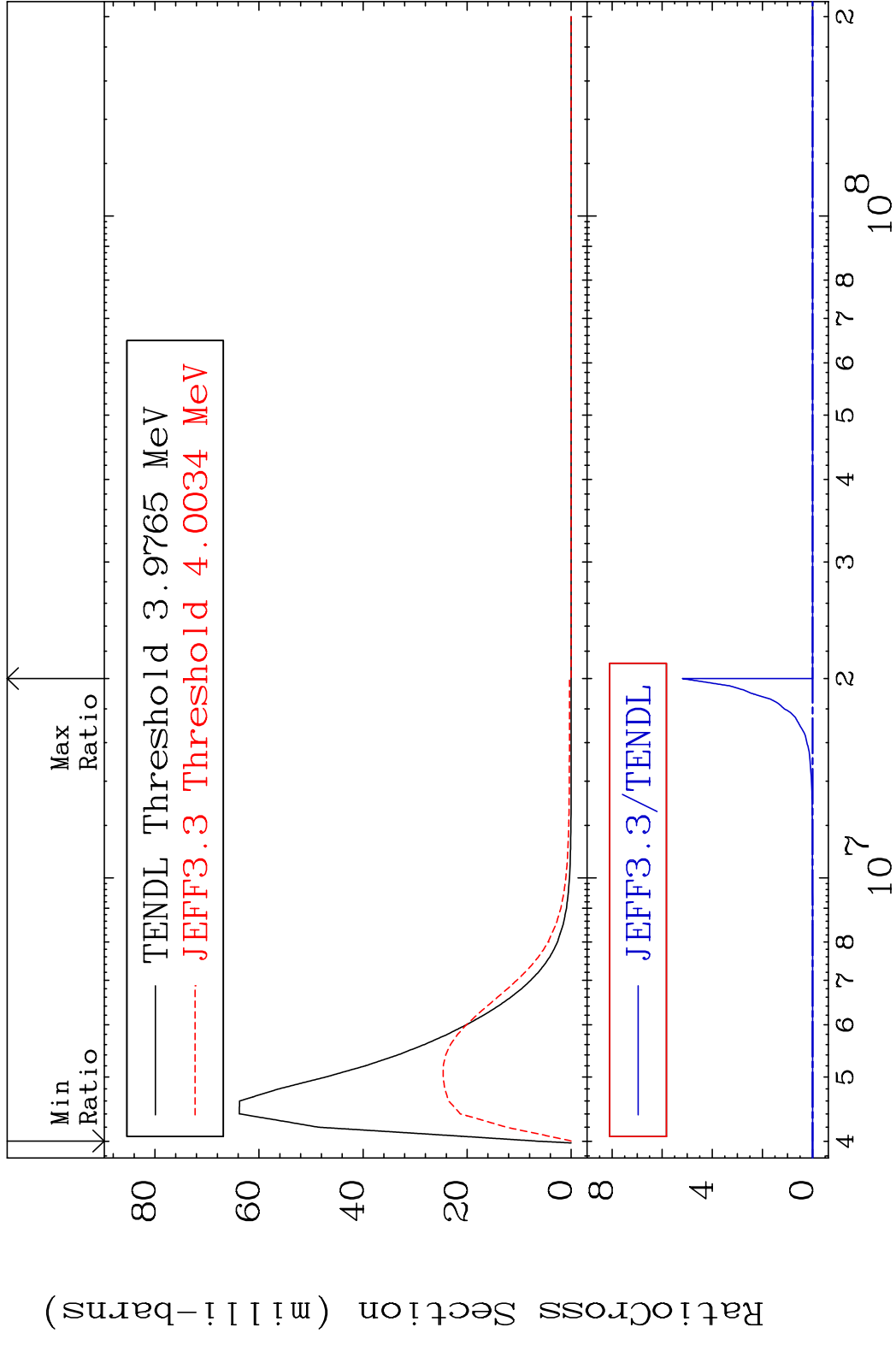
MAT 4025 MT= 60 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 50.43 %



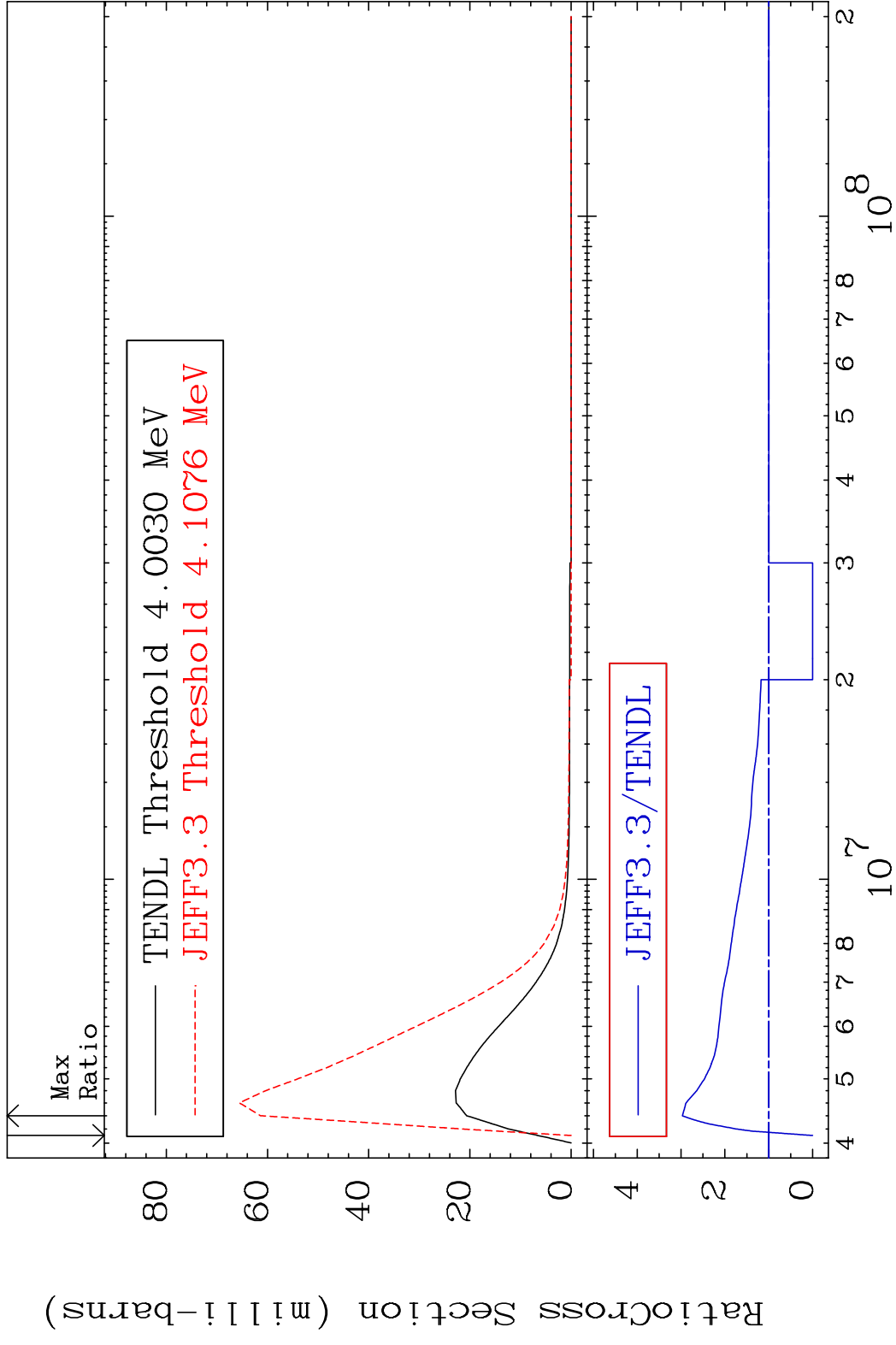
MAT 4025 MT= 61 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 50.61 %



MAT 4025 MT= 62 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 9999. %



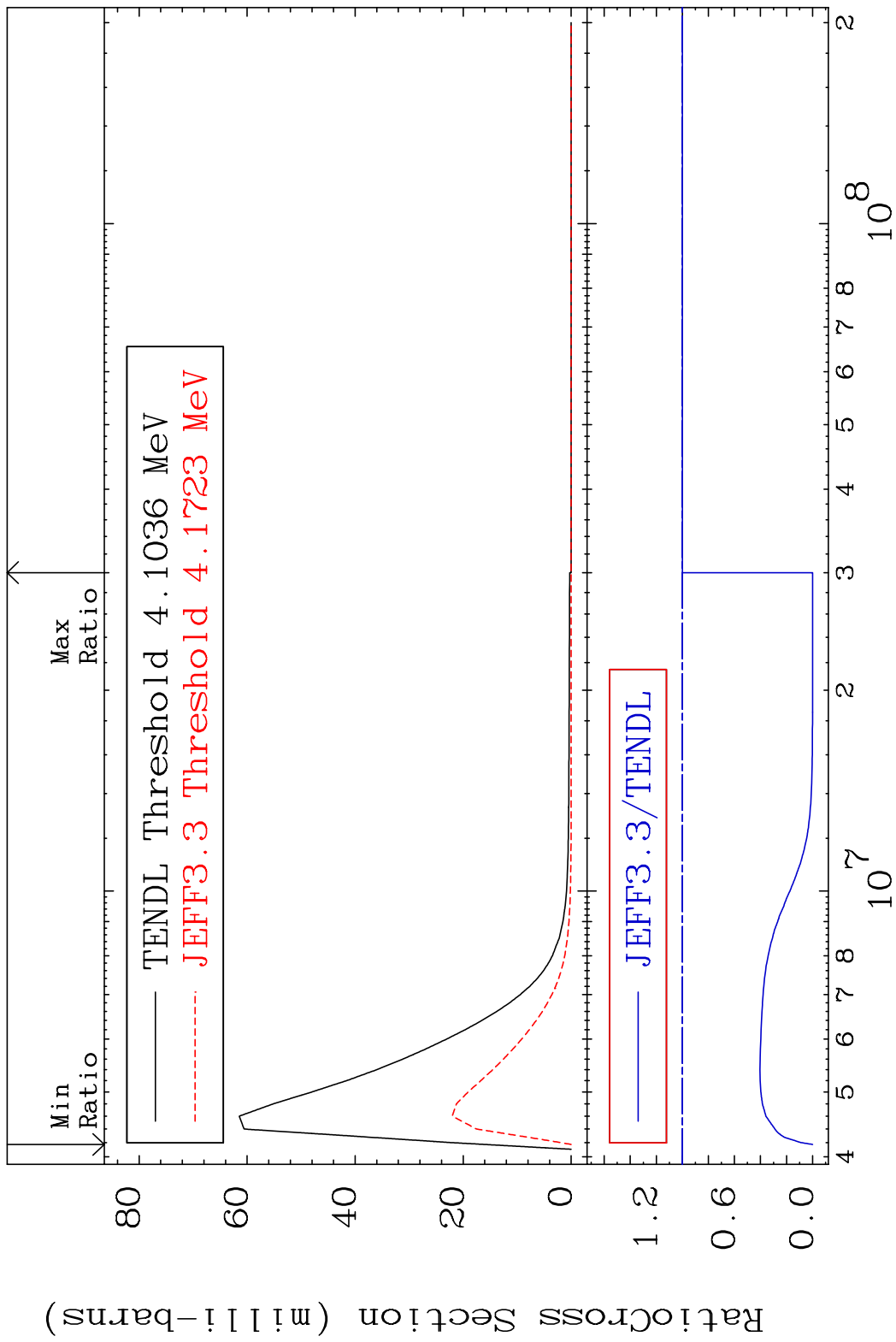
MAT 4025 MT= 63 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 197.1 %



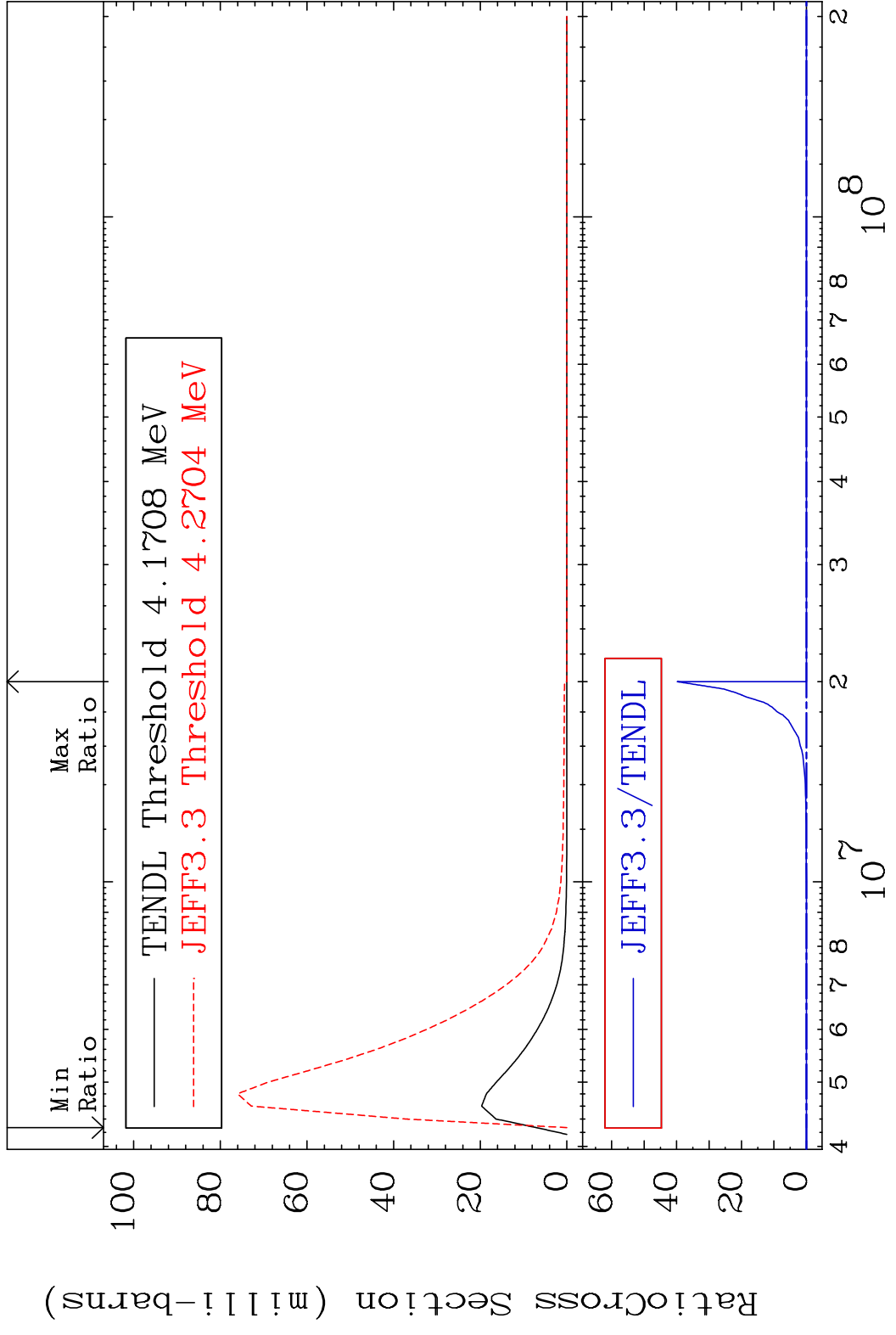
20

40-Zr-90

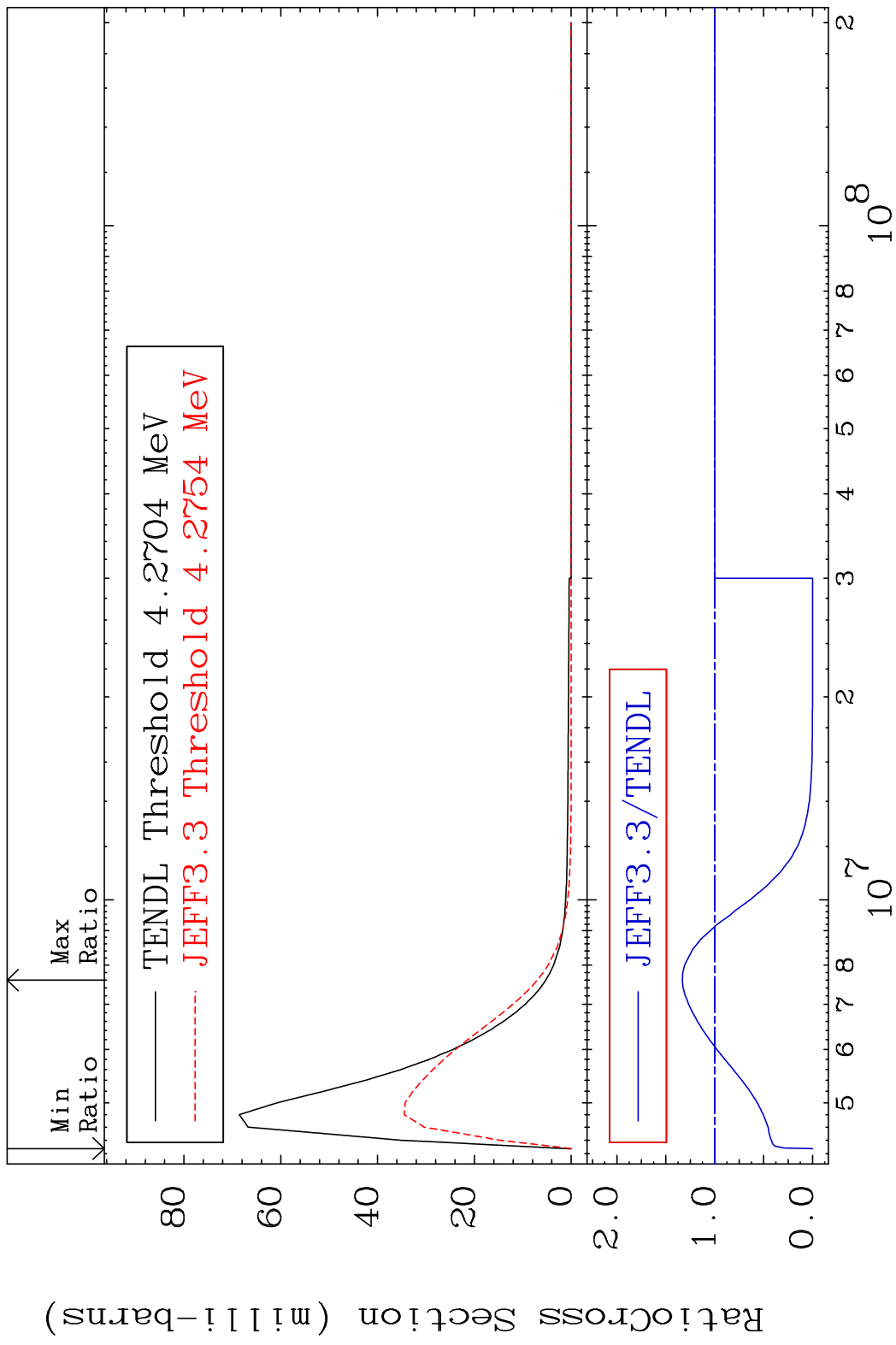
MAT 4025 MT= 64 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 0.000 %



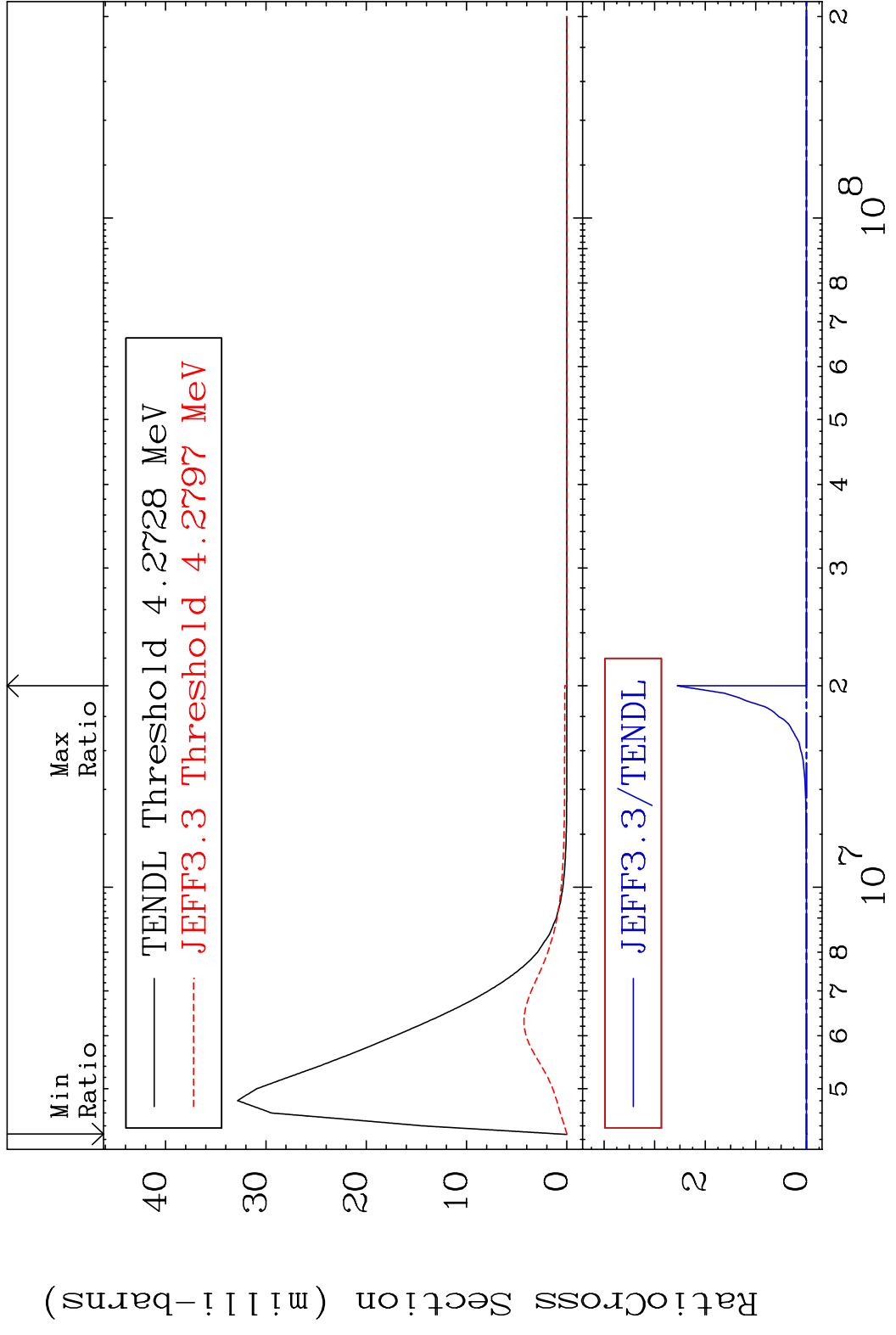
MAT 4025 MT= 65 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 9999. %



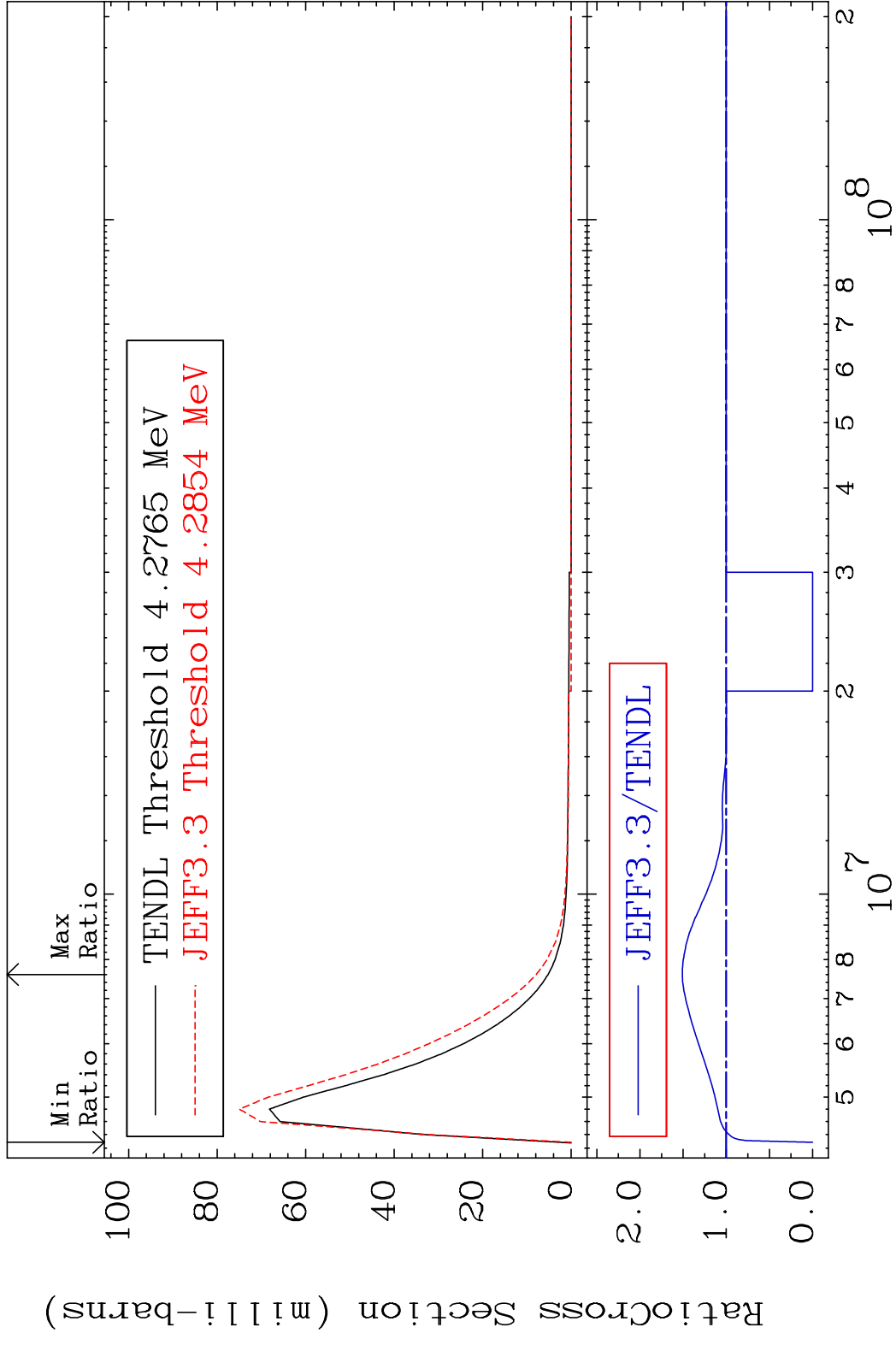
MAT 4025 MT= 66 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 33.11 %



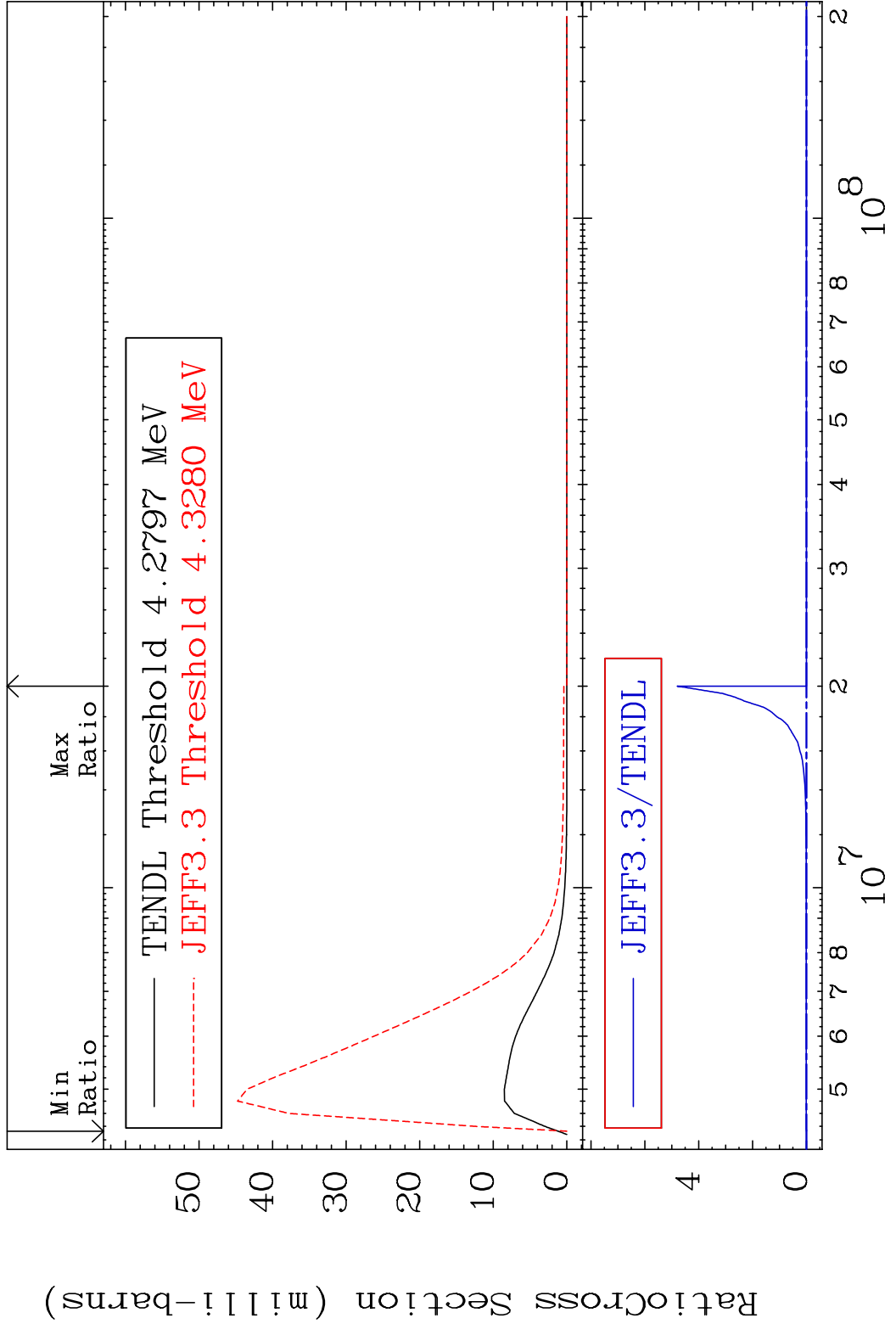
MAT 4025 MT= 67 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 9999. %



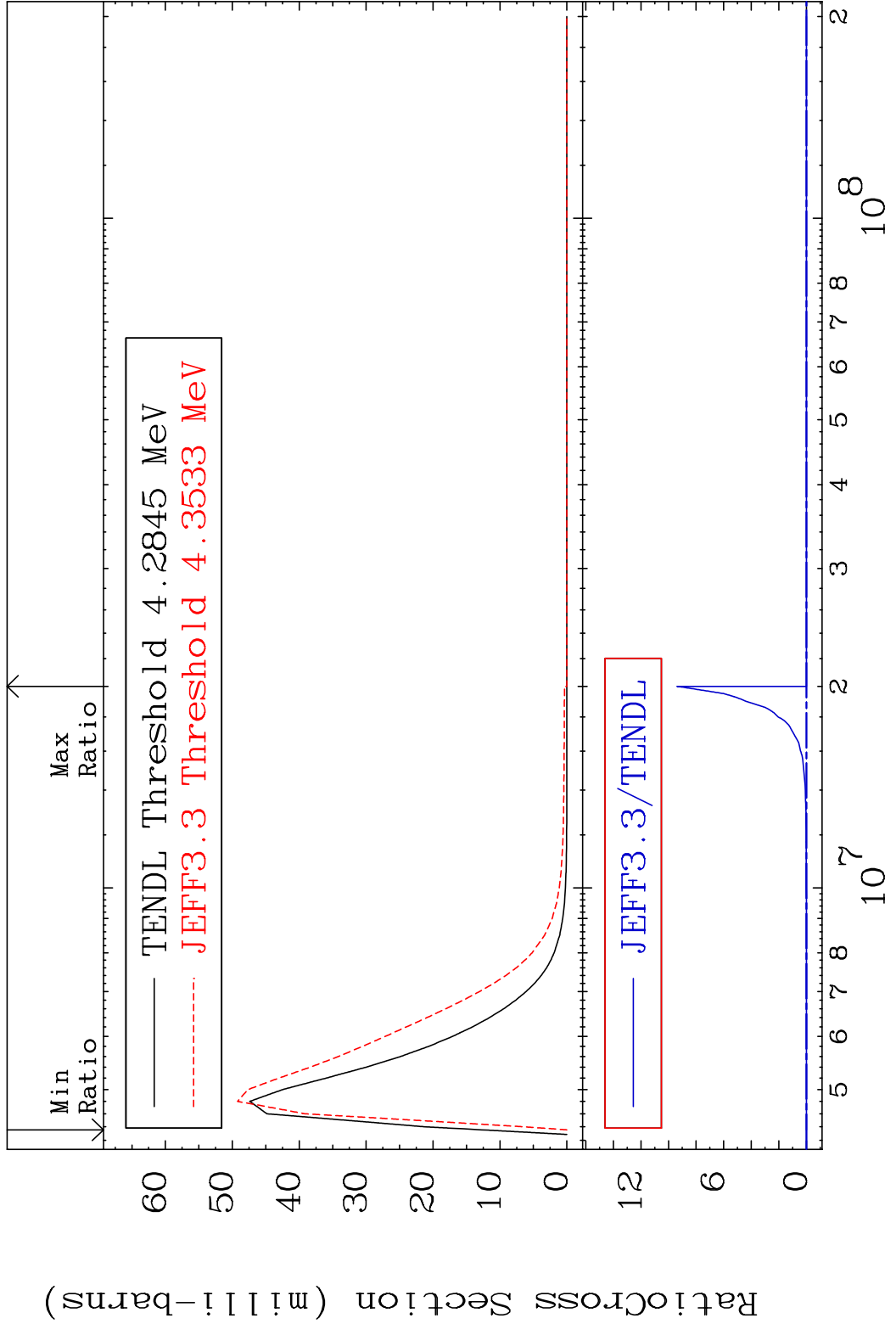
MAT 4025 MT= 68 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 50.87 %



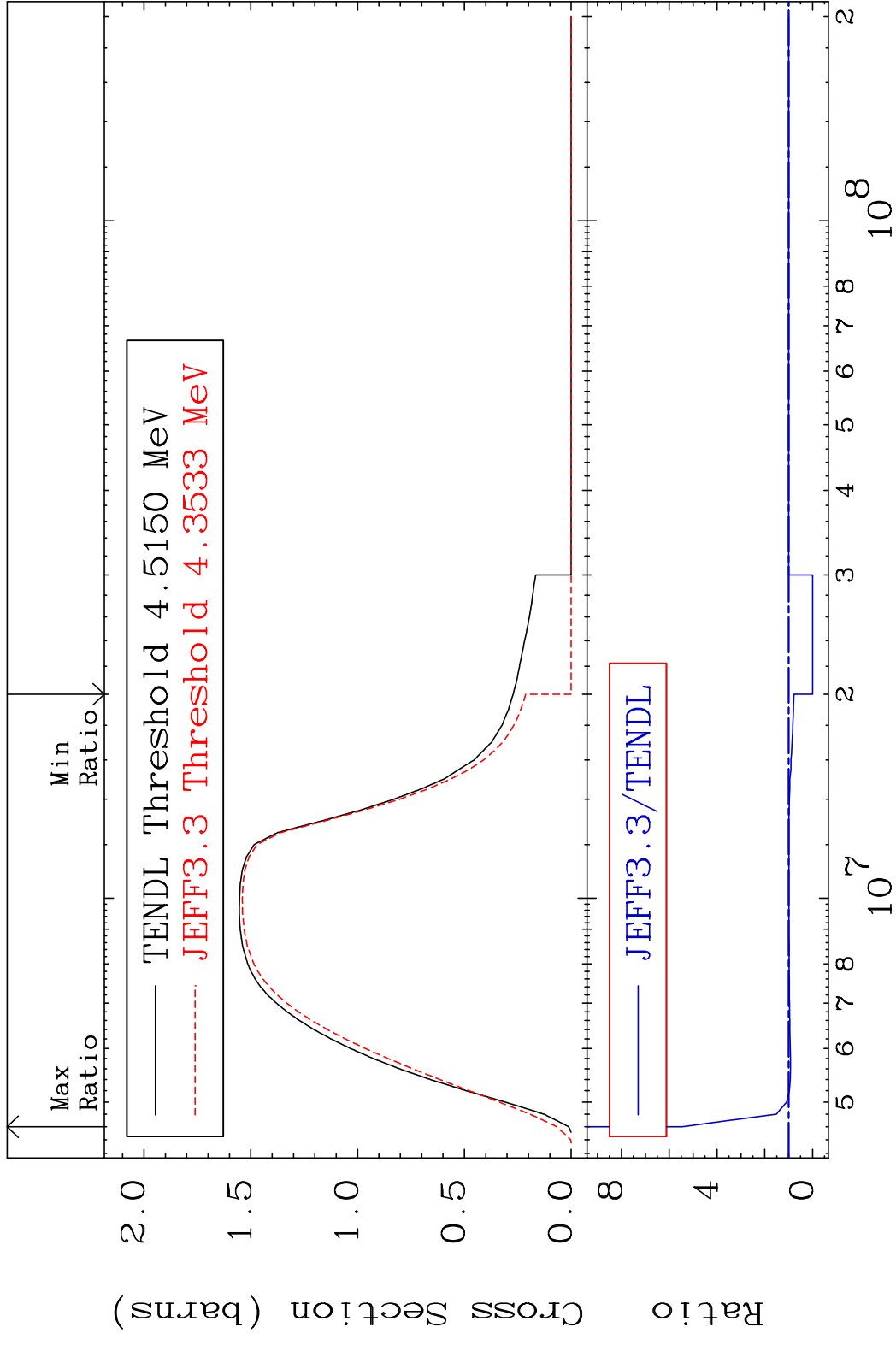
MAT 4025 MT= 69 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 9999. %



MAT 4025 MT= 70 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 9999. %



MAT 4025 (n,n') Continuum 40-Zr-90
 Cross Section -100.0 To 445.1 %

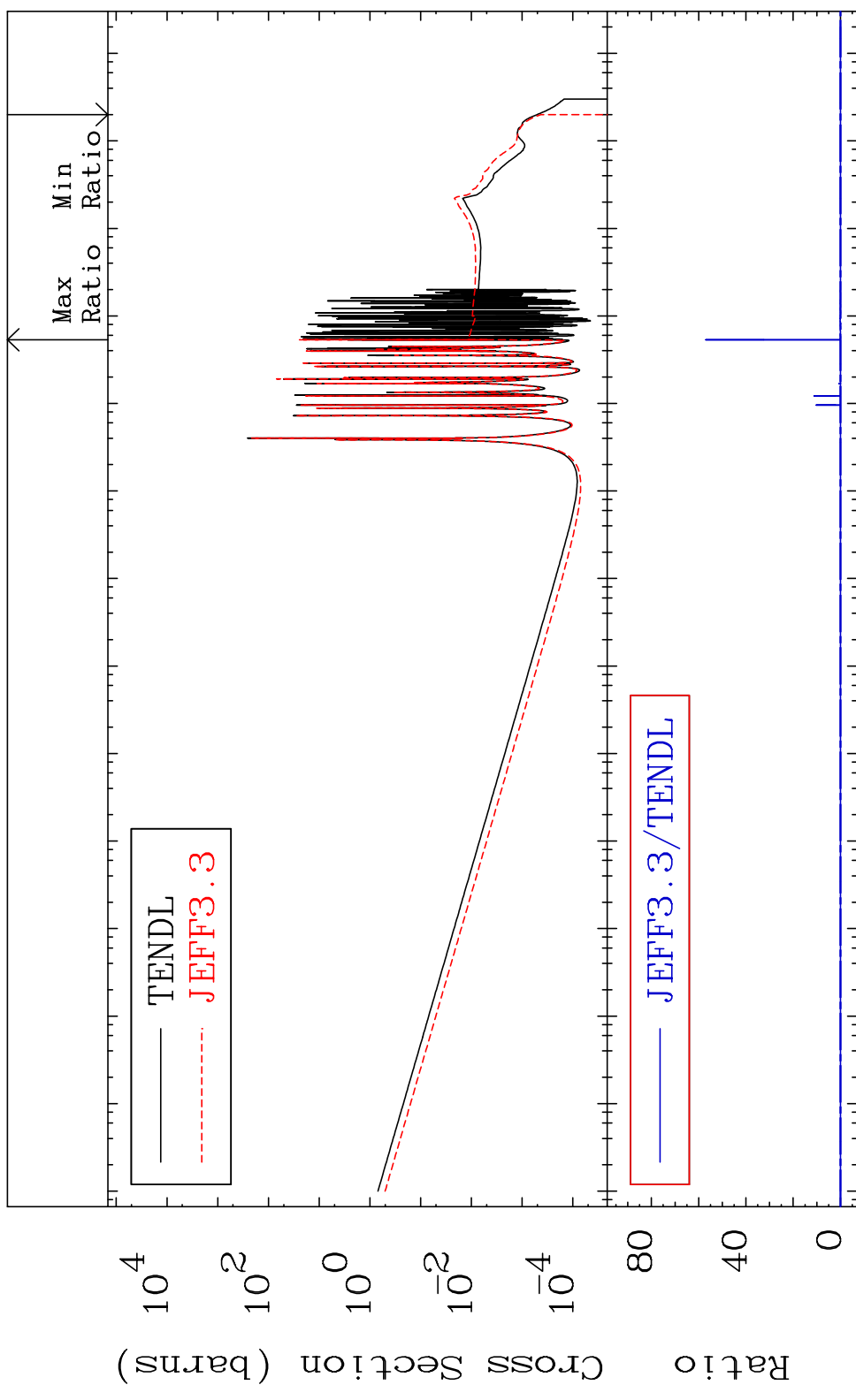


MAT 4025

(n, γ)

40-Zr-90

Cross Section -100.0 To 9999. %

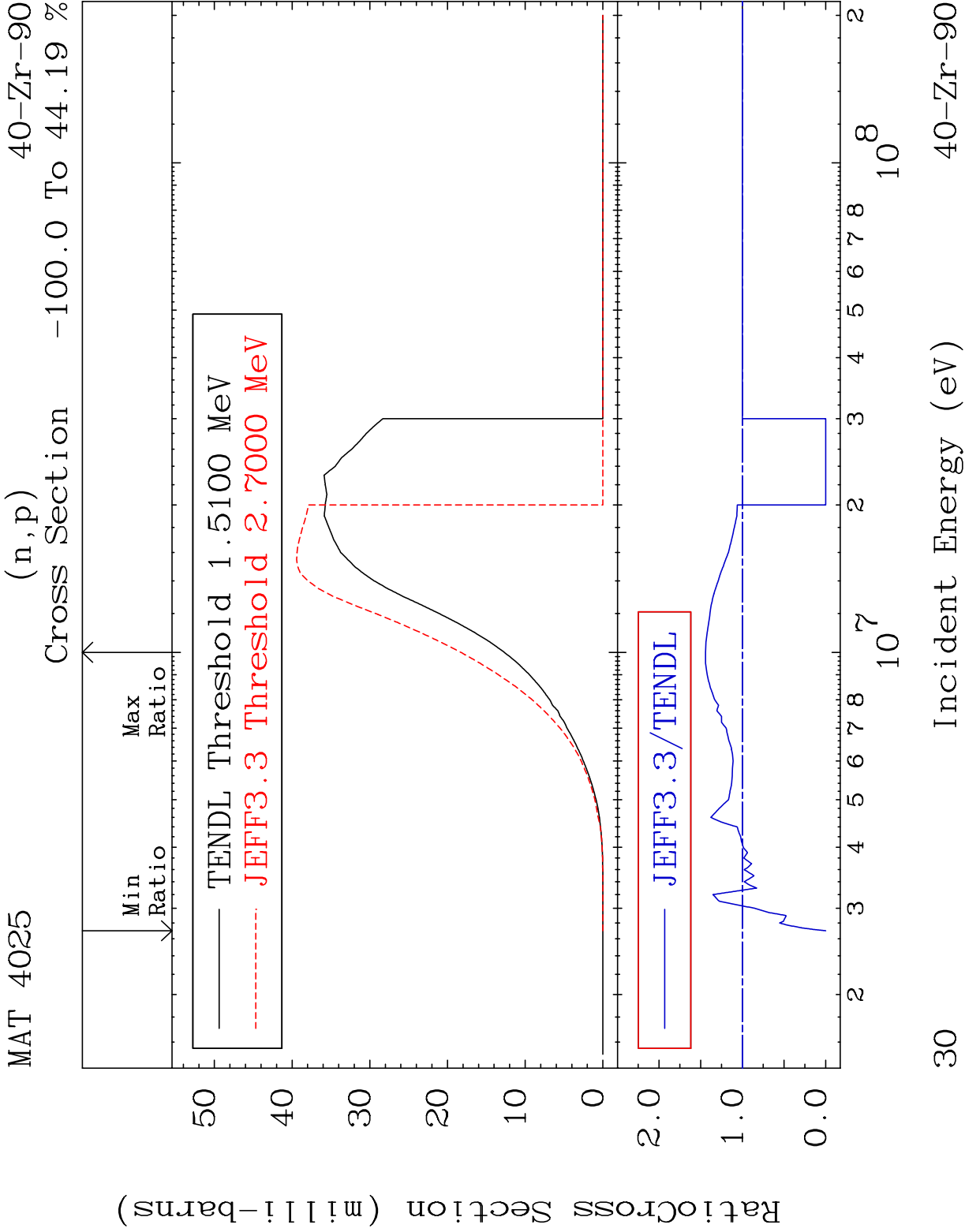


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

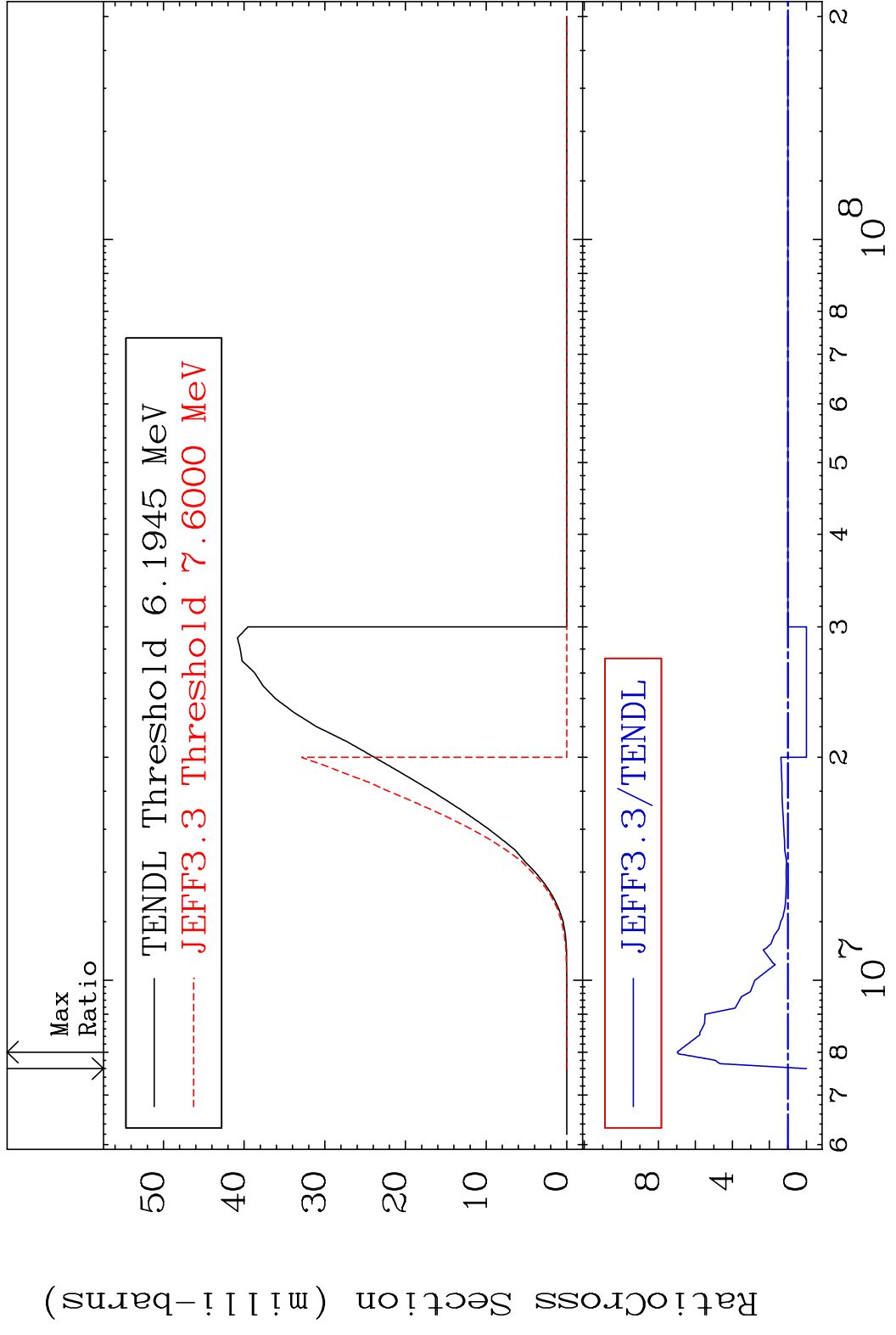
29

Incident Energy (eV)

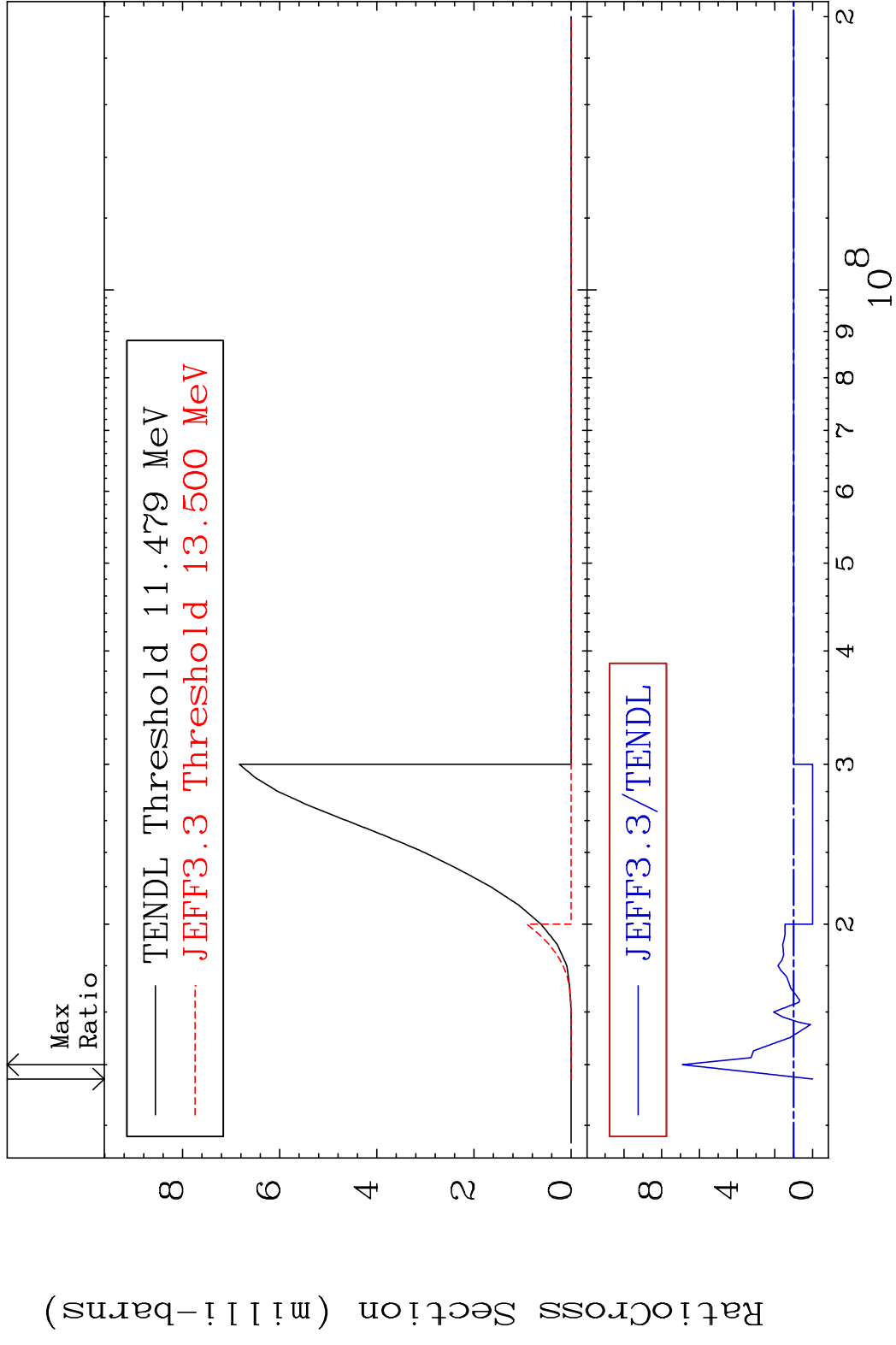
40-Zr-90



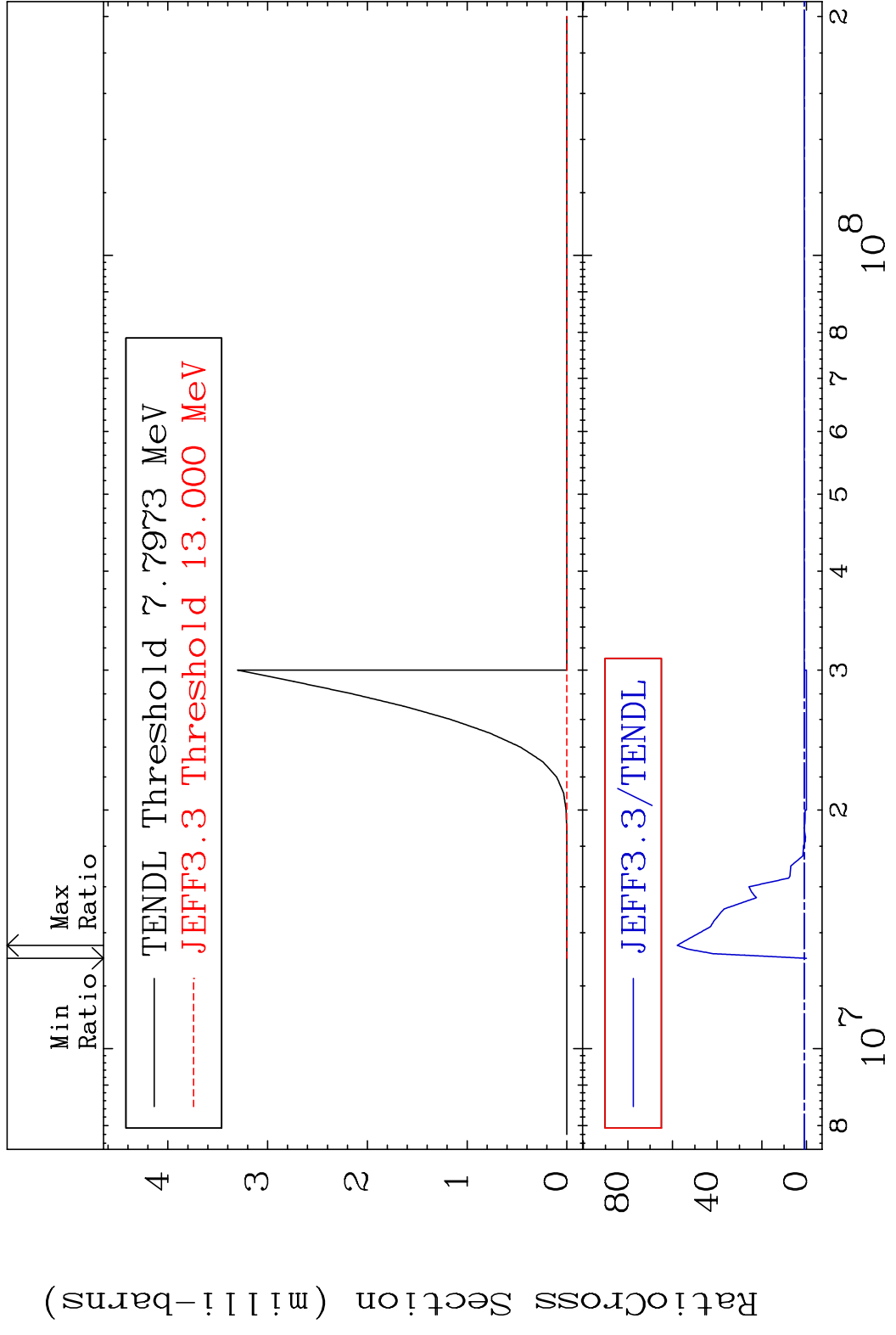
MAT 4025 (n,d) 40-Zr-90
 Cross Section -100.0 To 598.1 %



MAT 4025 (n, t) 40-Zr-90
 Cross Section -100.0 To 590.7 %



MAT 4025 (n, He-3) 40-Zr-90
 Cross Section -100.0 To 5690. %



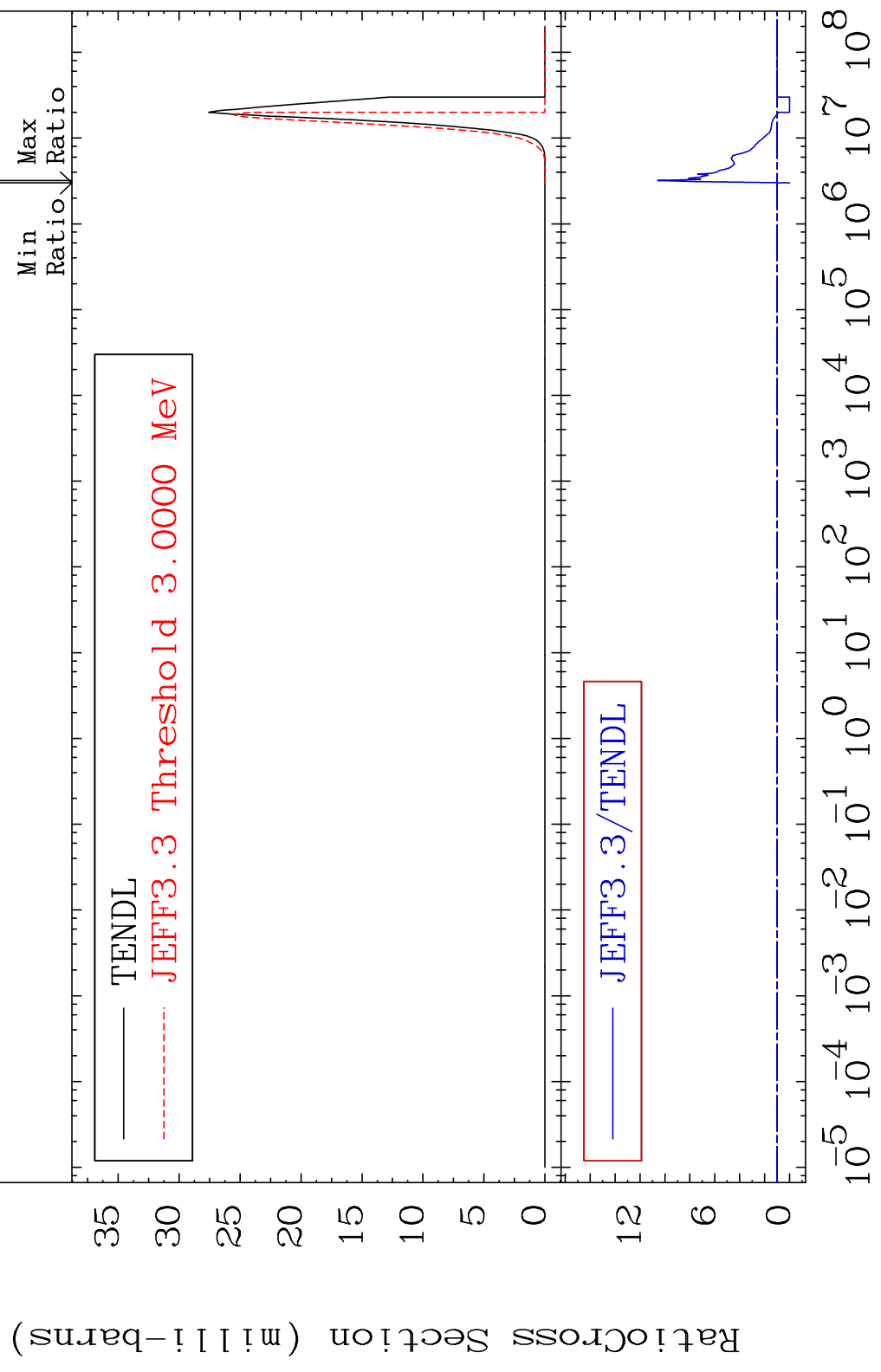
33 Incident Energy (eV) 40-Zr-90

MAT 4025

(n, α)

40-Zr-90

Cross Section -100.0 To 959.0 %



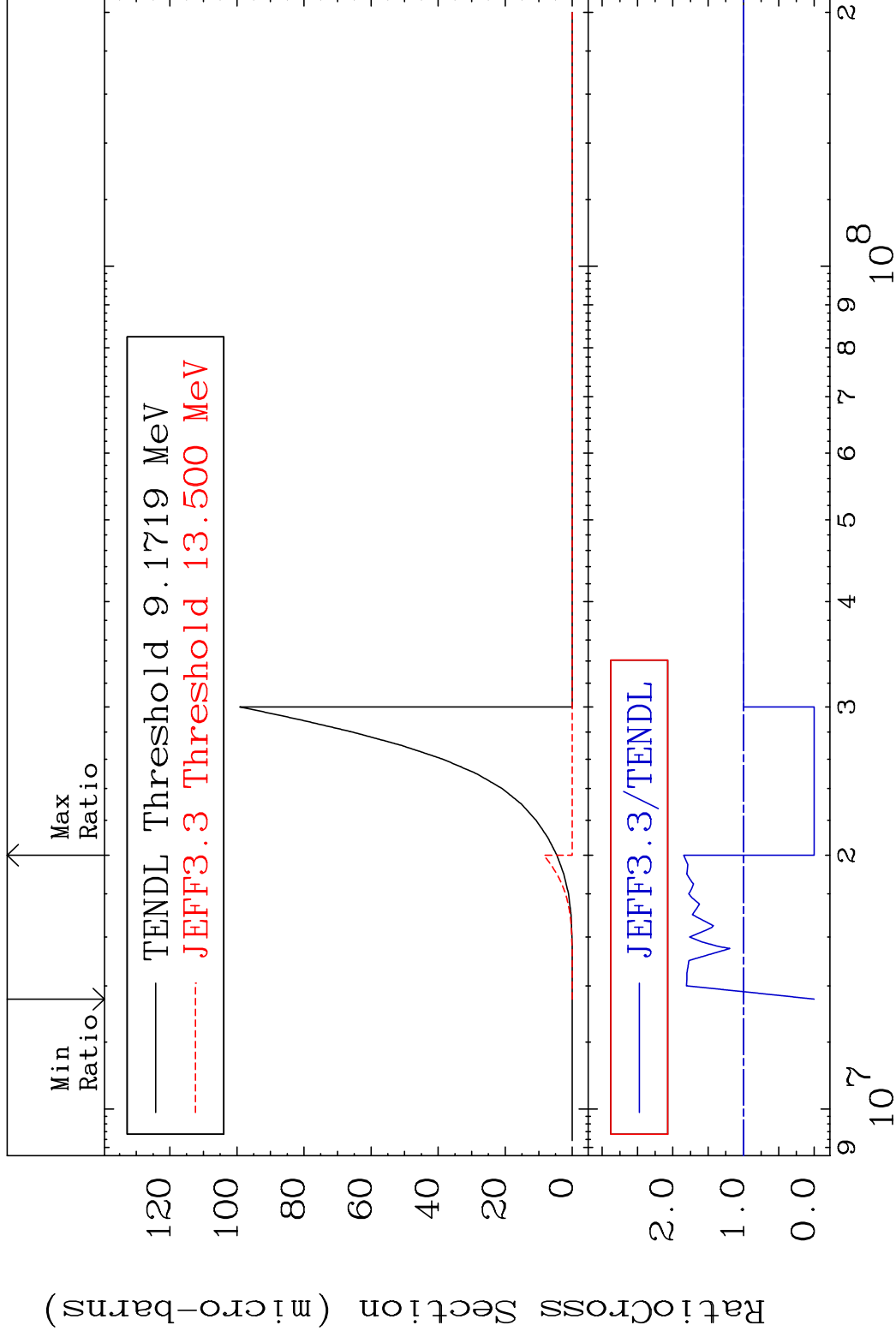
34

MAT 4025

(n,2p)

40-Zr-90

Cross Section -100.0 To 84.66 %

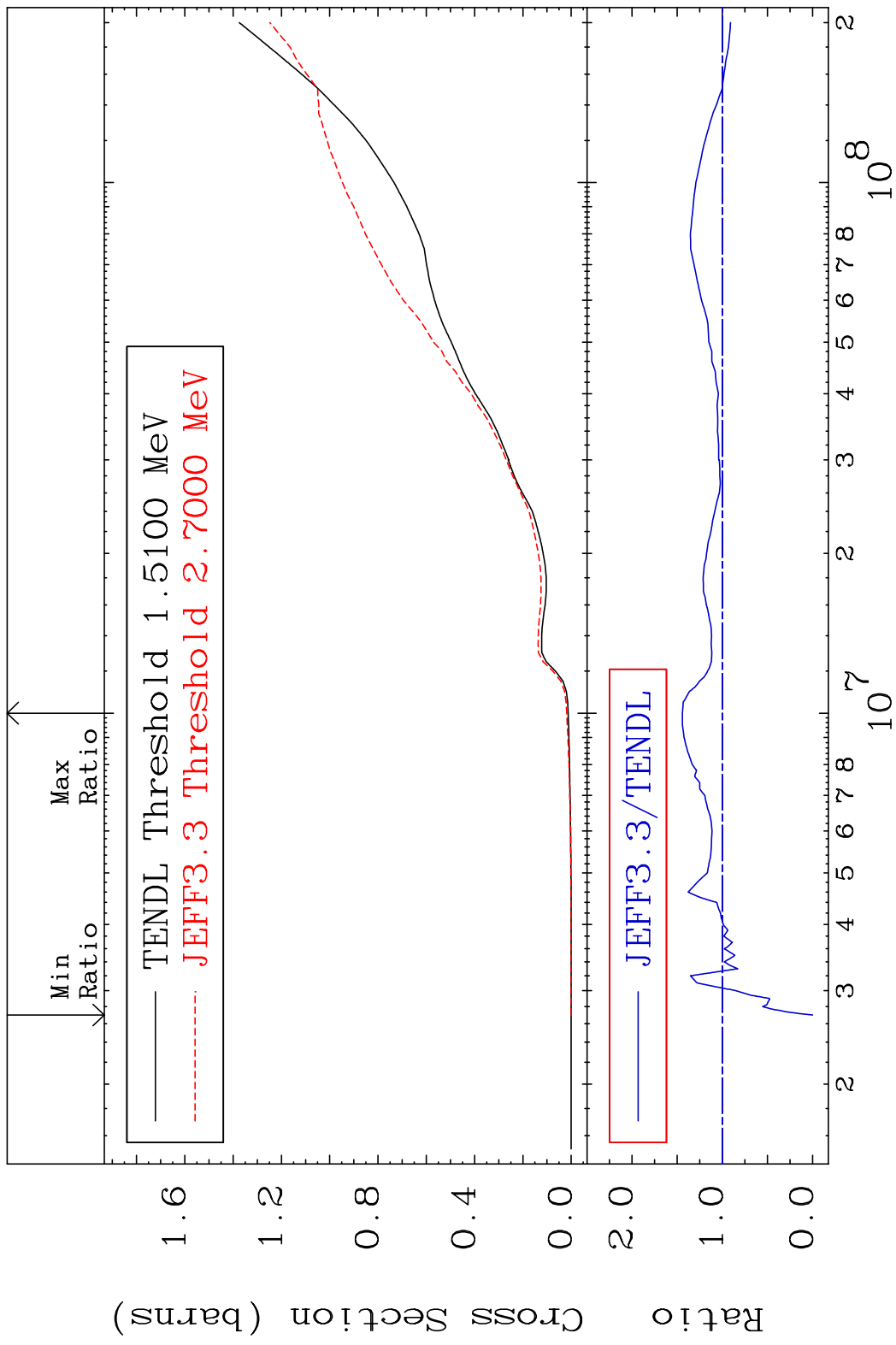


35

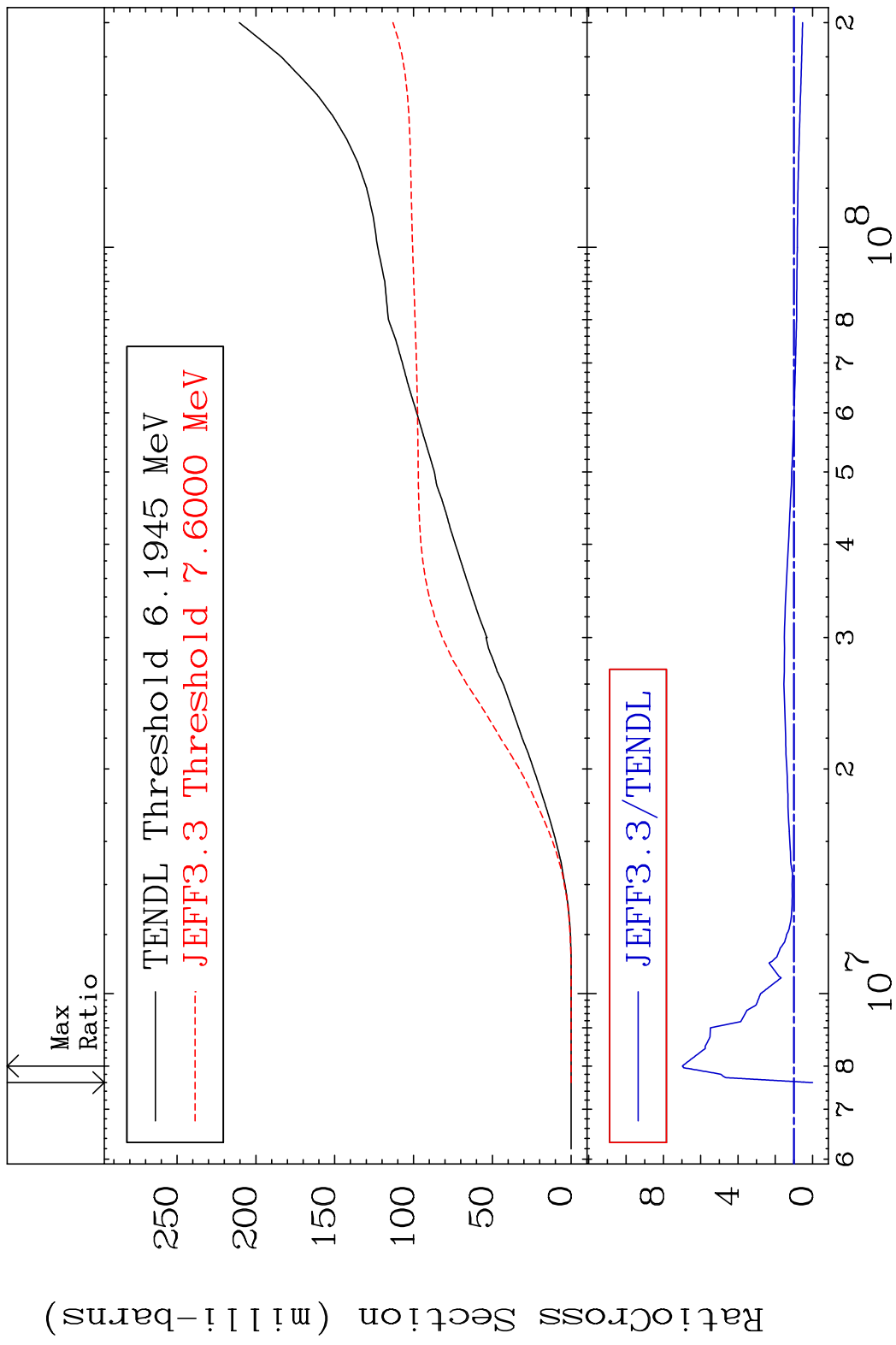
Incident Energy (eV)

40-Zr-90

MAT 4025 Hydrogen Production 40-Zr-90
 Cross Section -100.0 To 44.16 %

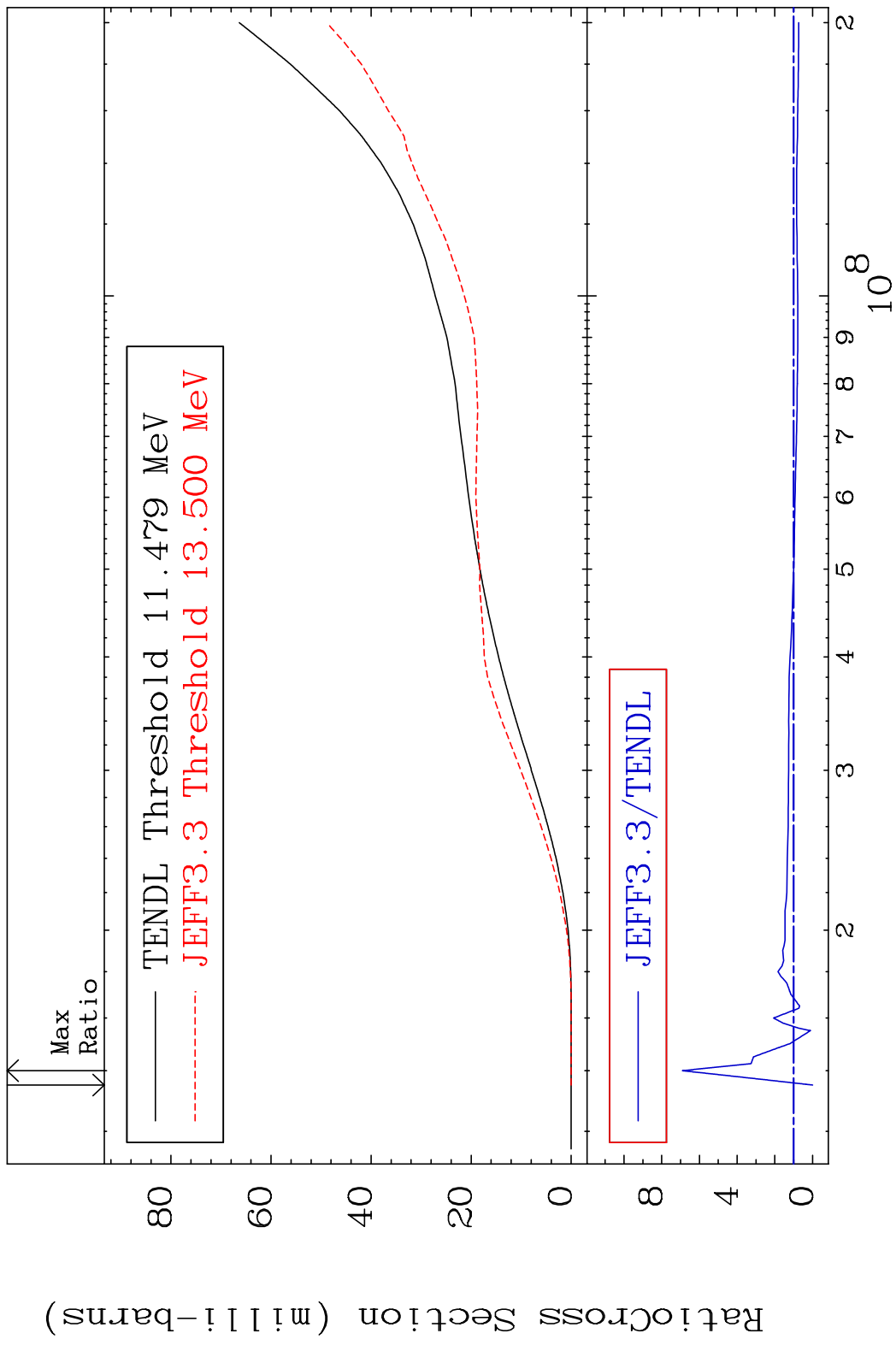


MAT 4025 Deuterium Production 40-Zr-90
 Cross Section -100.0 To 598.1 %



37 40-Zr-90

MAT 4025 Tritium Production 40-Zr-90
 Cross Section -100.0 To 590.7 %

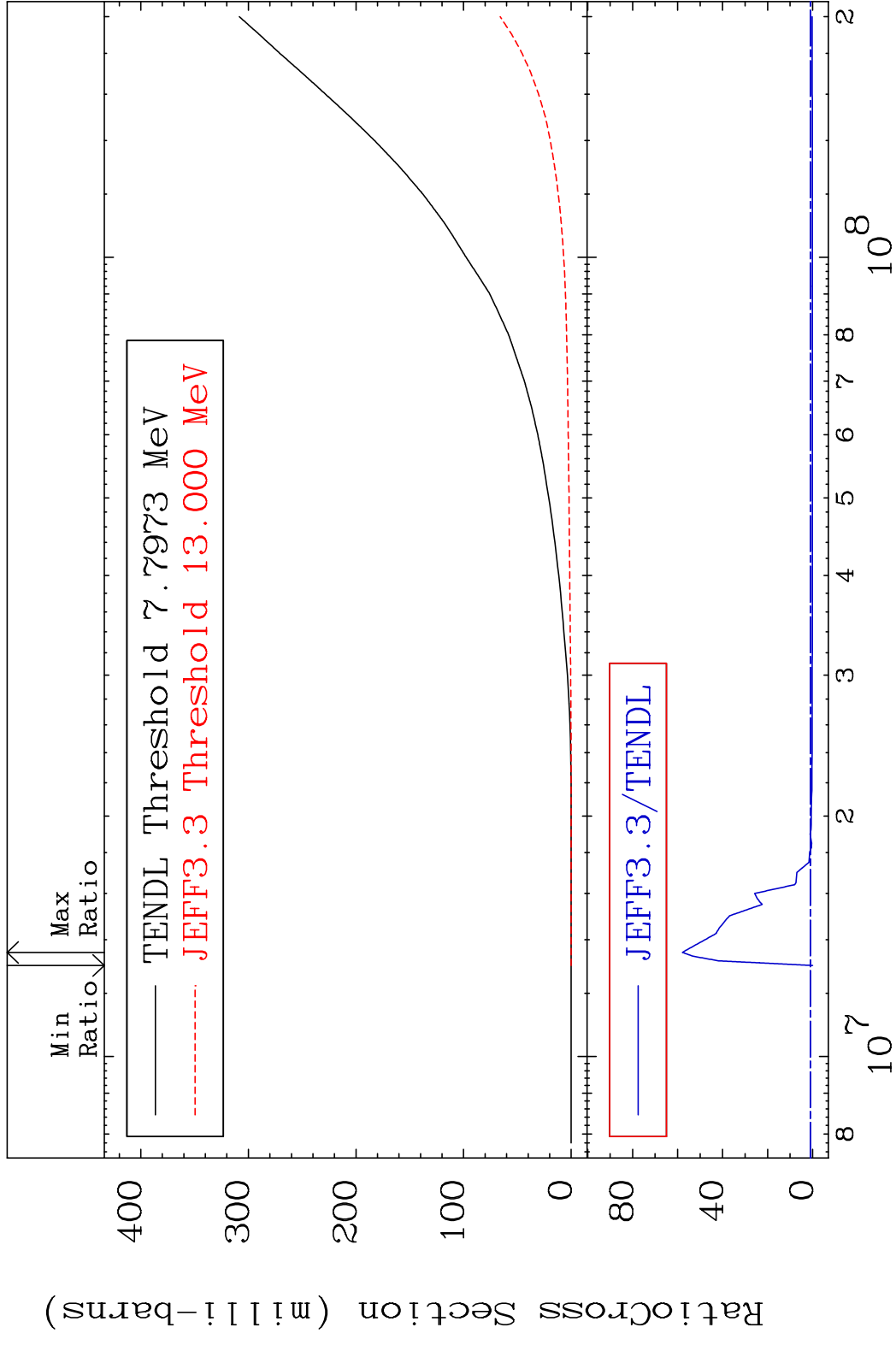


MAT 4025

He-3 Production

40-Zr-90

Cross Section -100.0 To 5690. %



39

Incident Energy (eV)

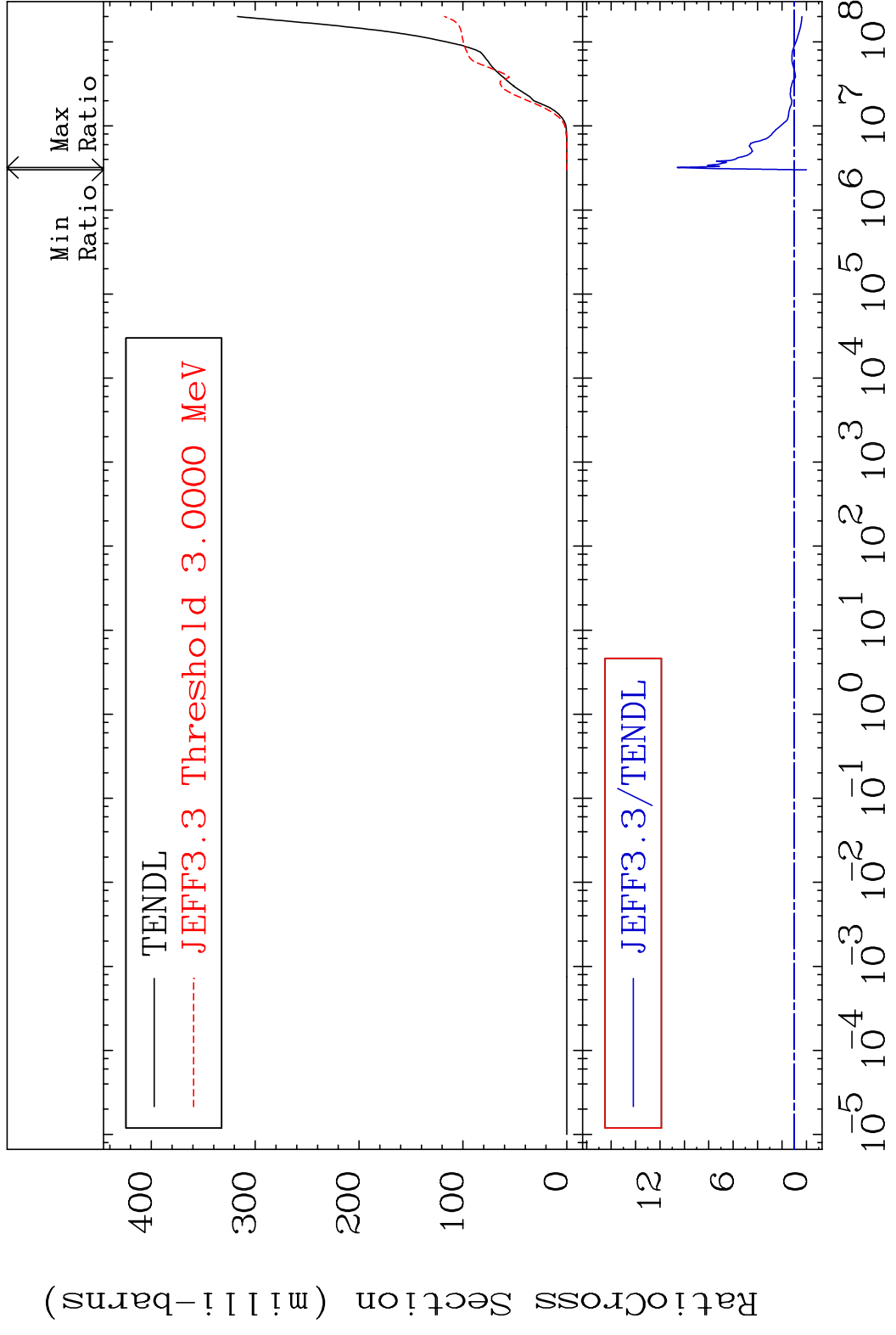
40-Zr-90

MAT 4025

He-4 Production

40-Zr-90

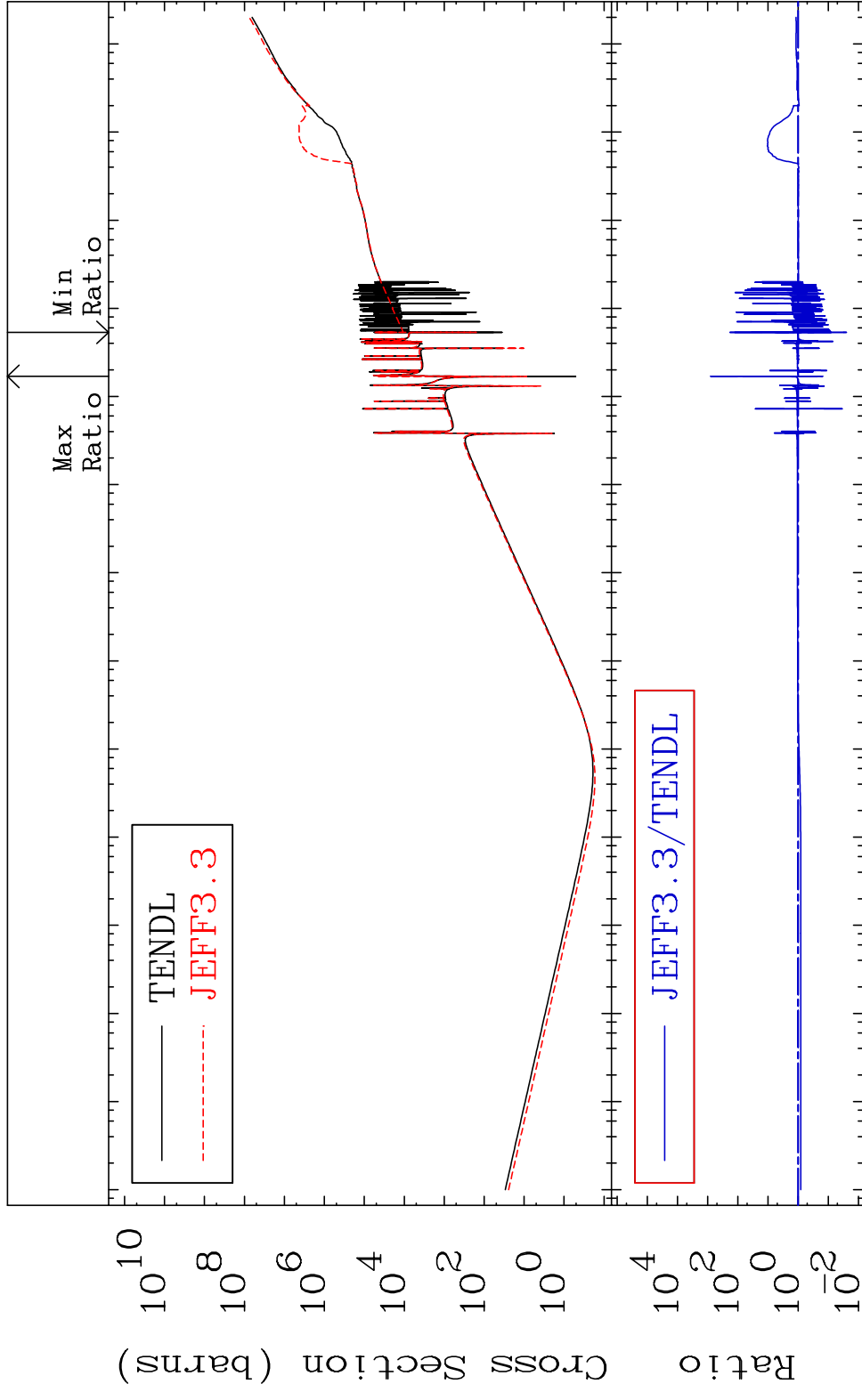
Cross Section -100.0 To 959.0 %



MAT 4025

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

Cross Section -97.46 To 9999. %



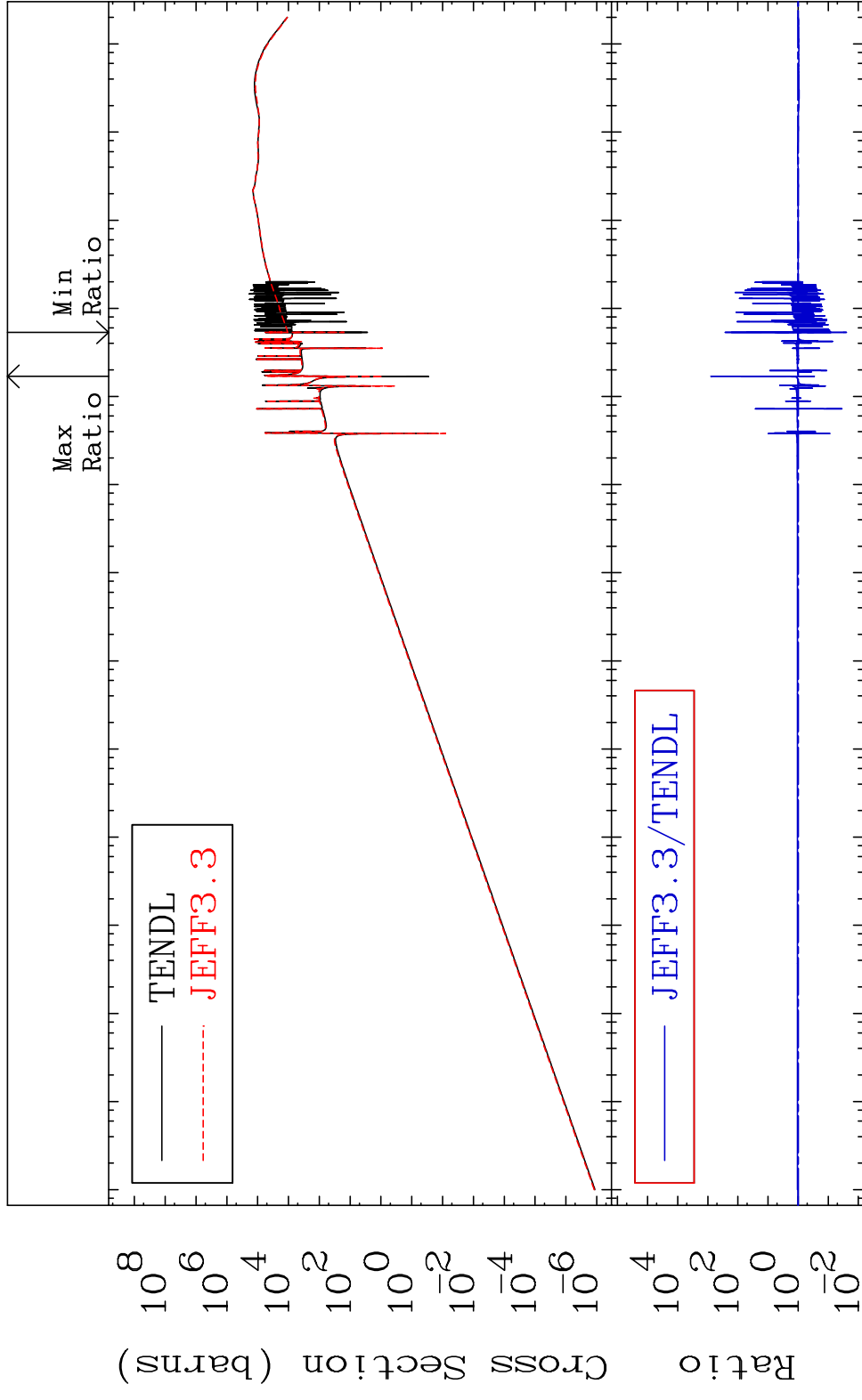
41

Incident Energy (eV)

40-Zr-90

MAT 4025

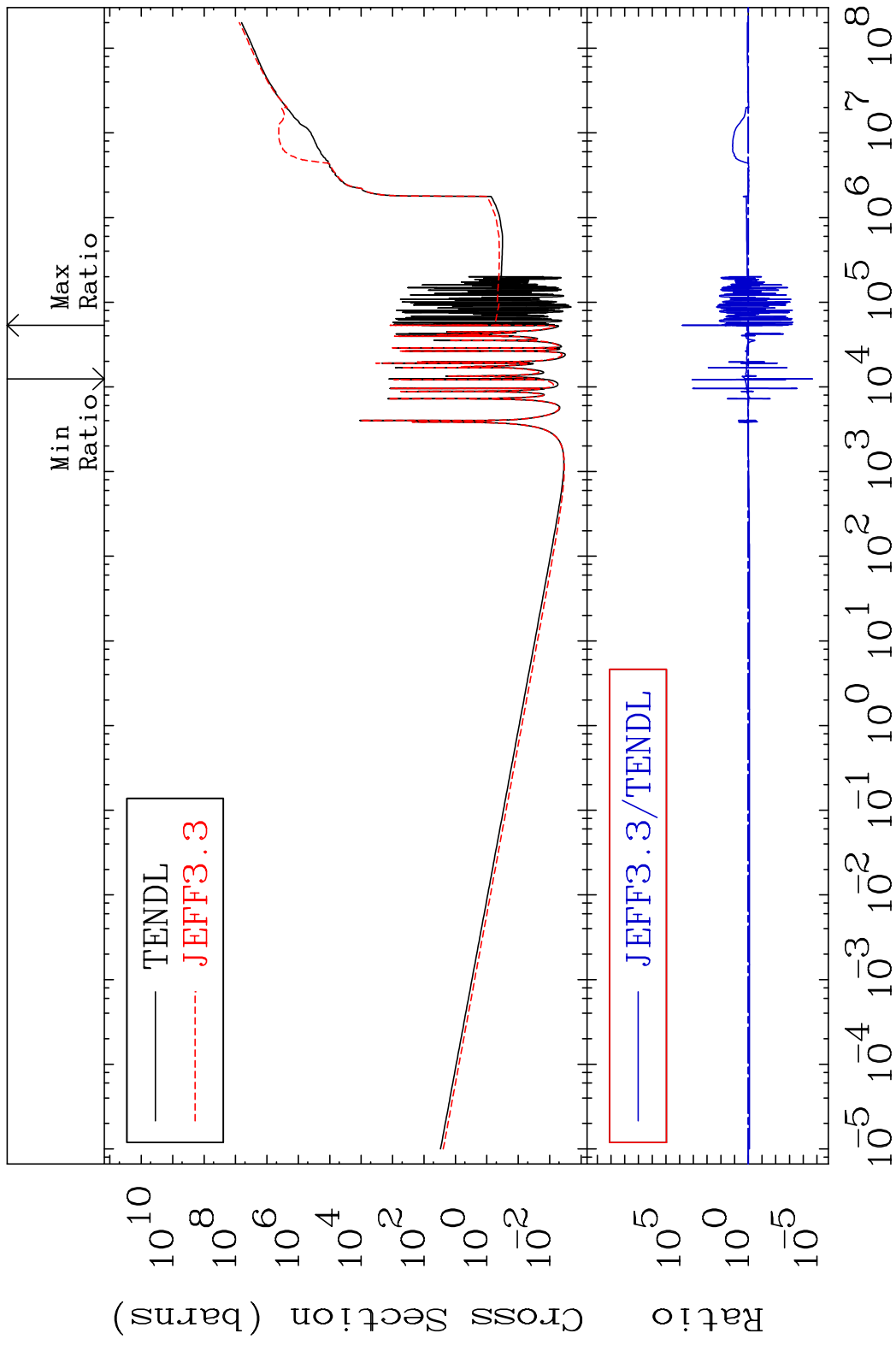
Kerma elastic Cross Section -97.50 To 9999. % 40-Zr-90



42

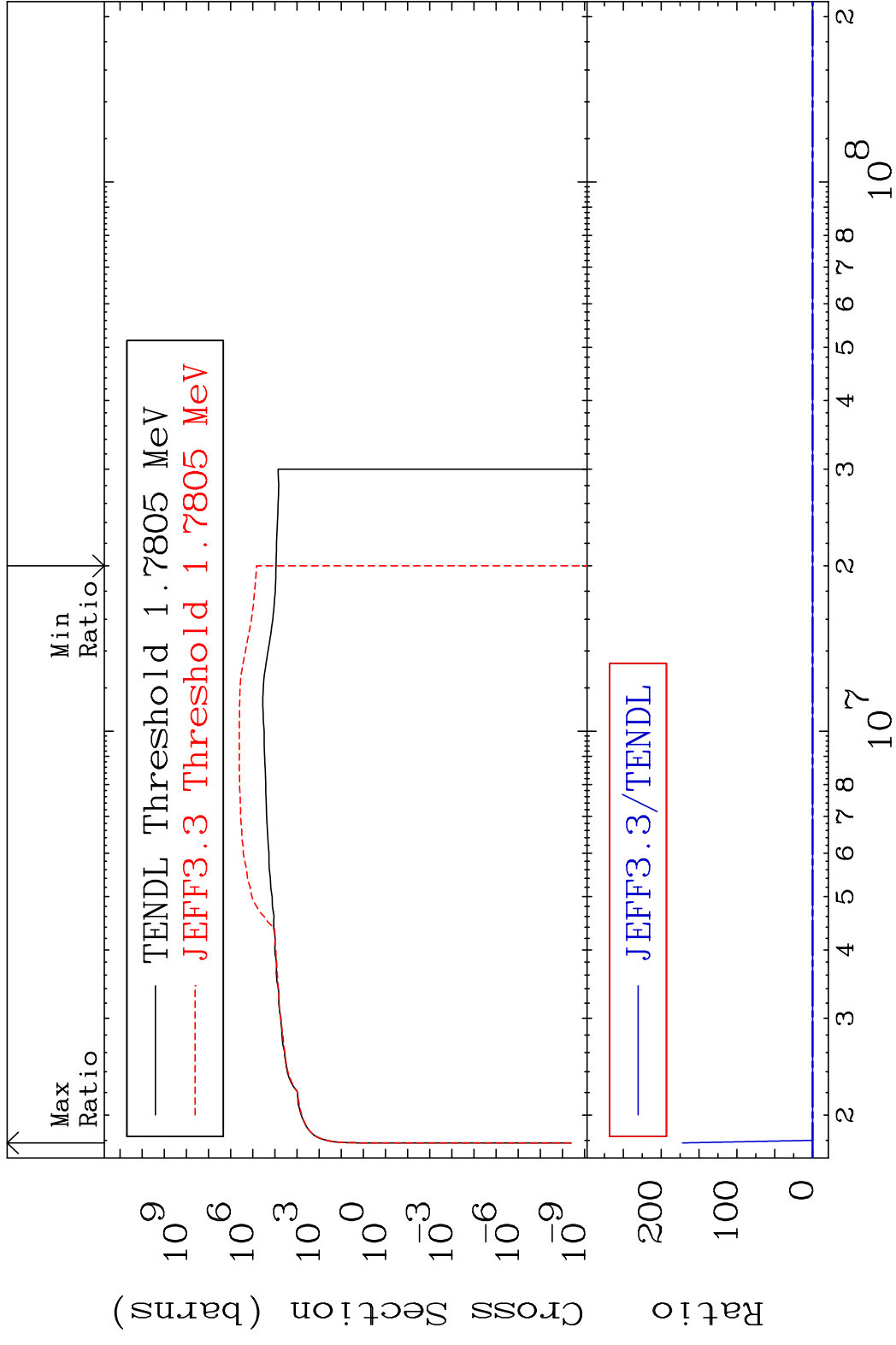
Incident Energy (eV) 40-Zr-90

MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90
 Cross Section -100.0 To 9999. %



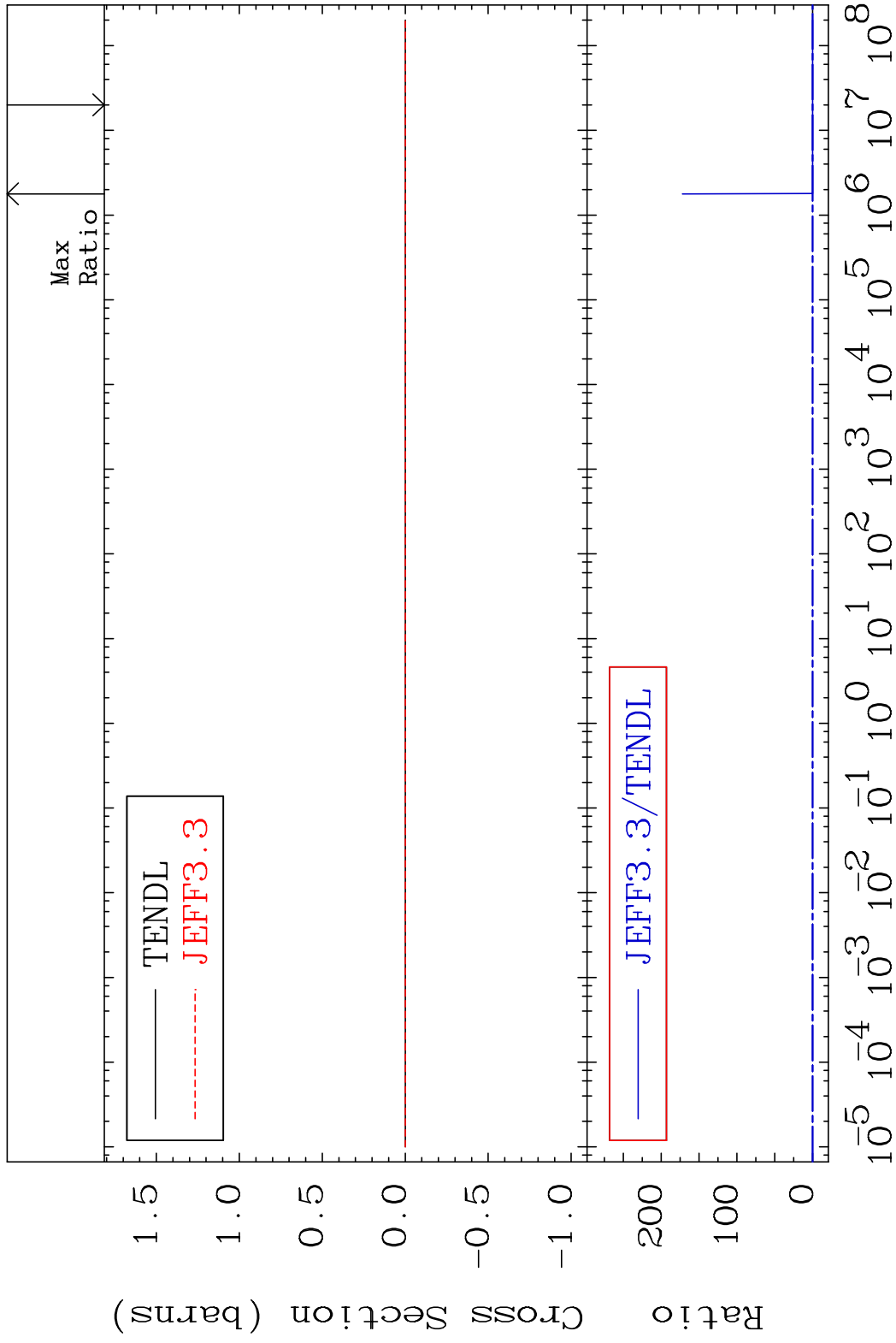
43 Incident Energy (eV) 40-Zr-90

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



44 Incident Energy (eV) 40-Zr-90

MAT 4025 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-90
 Cross Section -100.0 To 9999. %



45

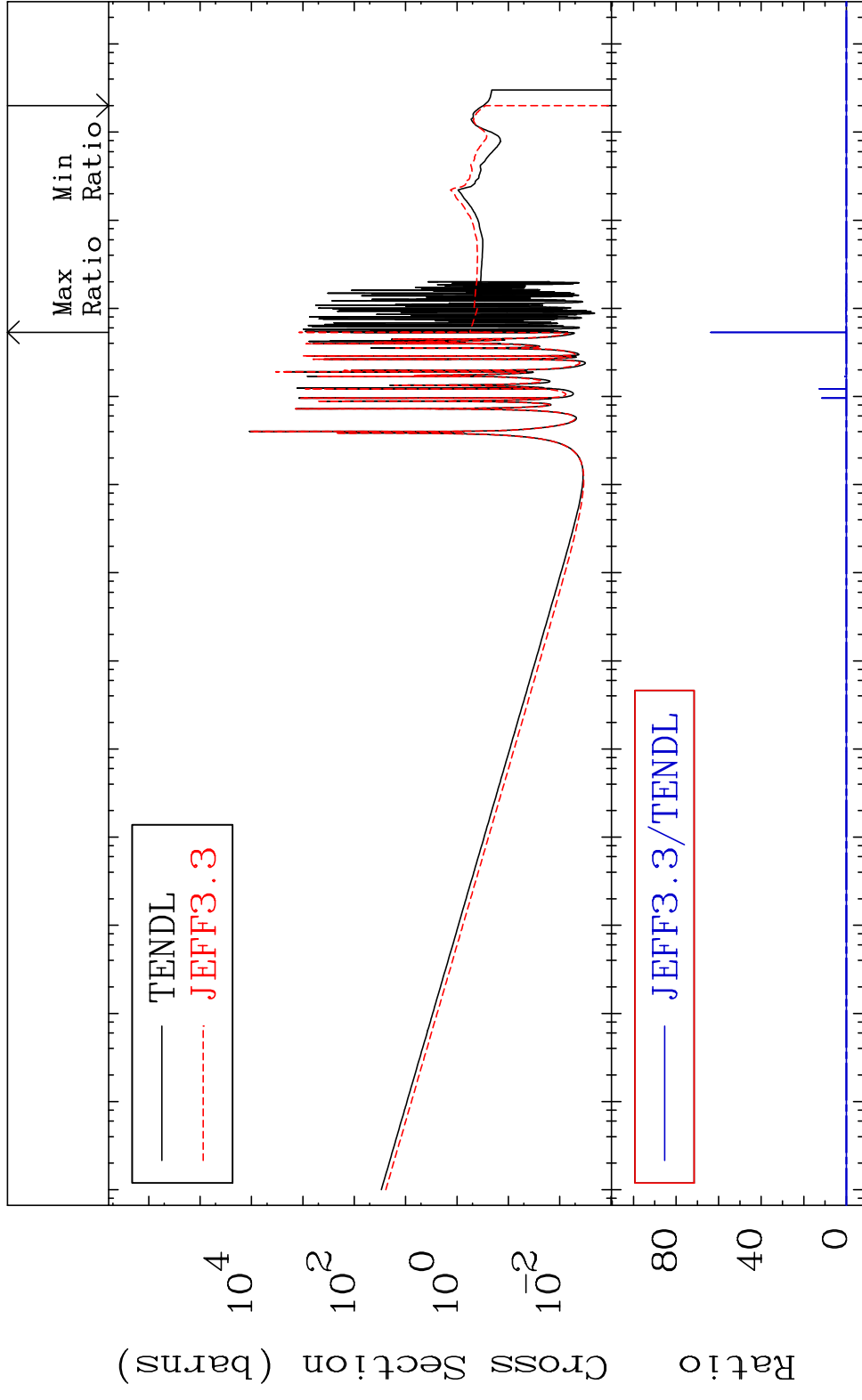
Incident Energy (eV)

40-Zr-90

MAT 4025

Kerma capture (mt102) 40-Zr-90

Cross Section -100.0 To 9999. %

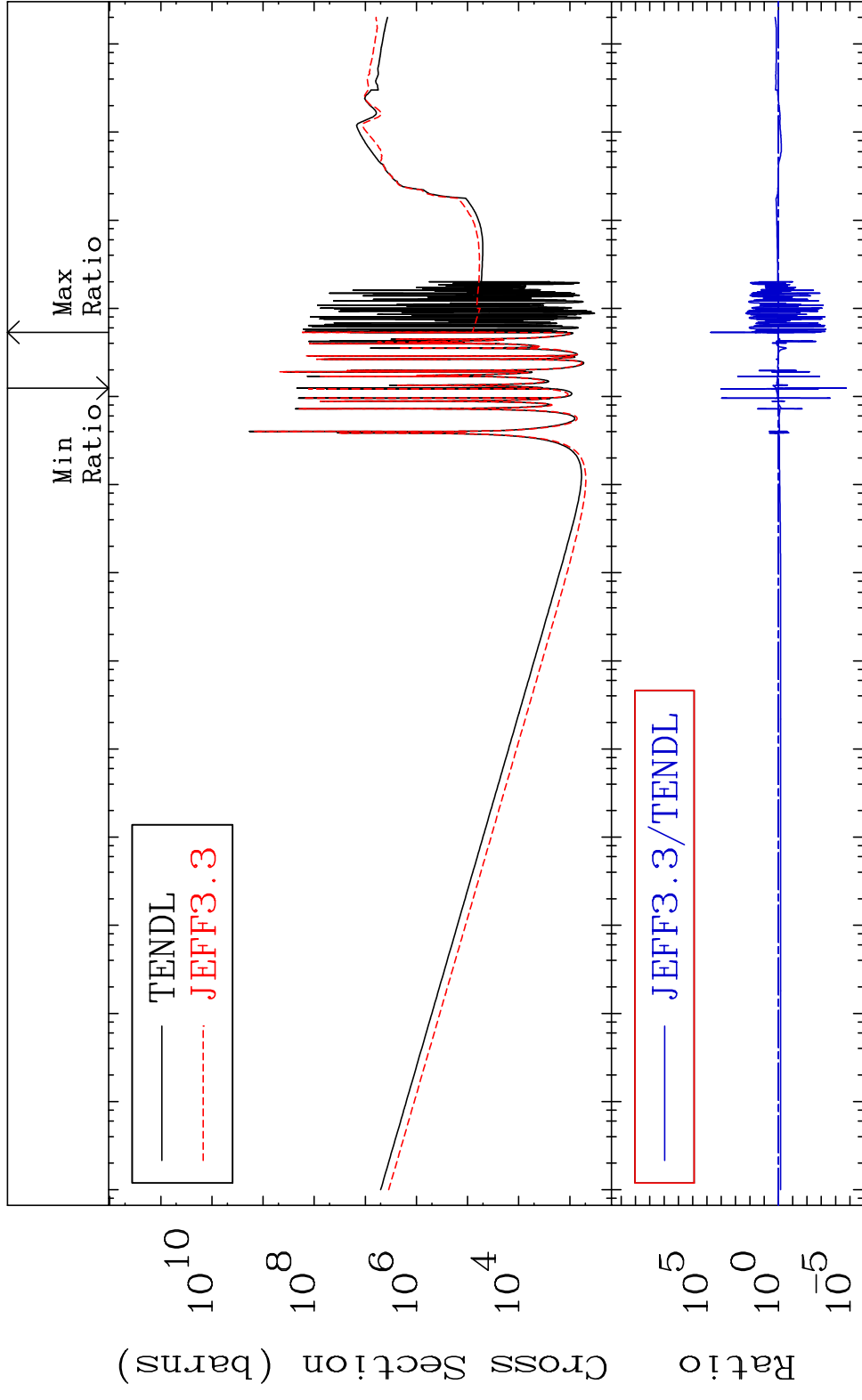


46

Incident Energy (eV)

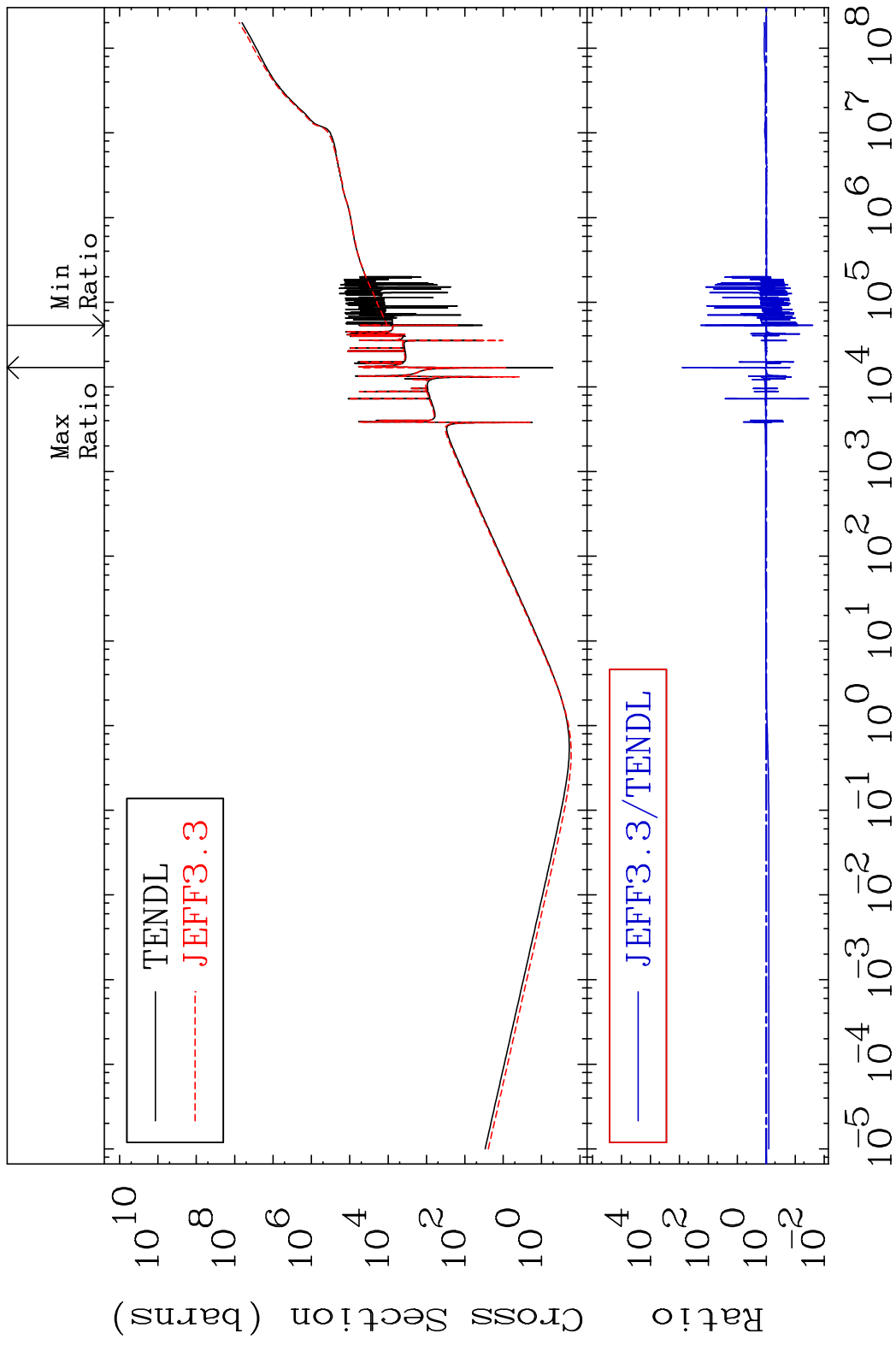
40-Zr-90

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



47 Incident Energy (eV) 40-Zr-90

MAT 4025 Total kinematic kerma (high limit) 40-Zr-90
 Cross Section -97.46 To 9999. %

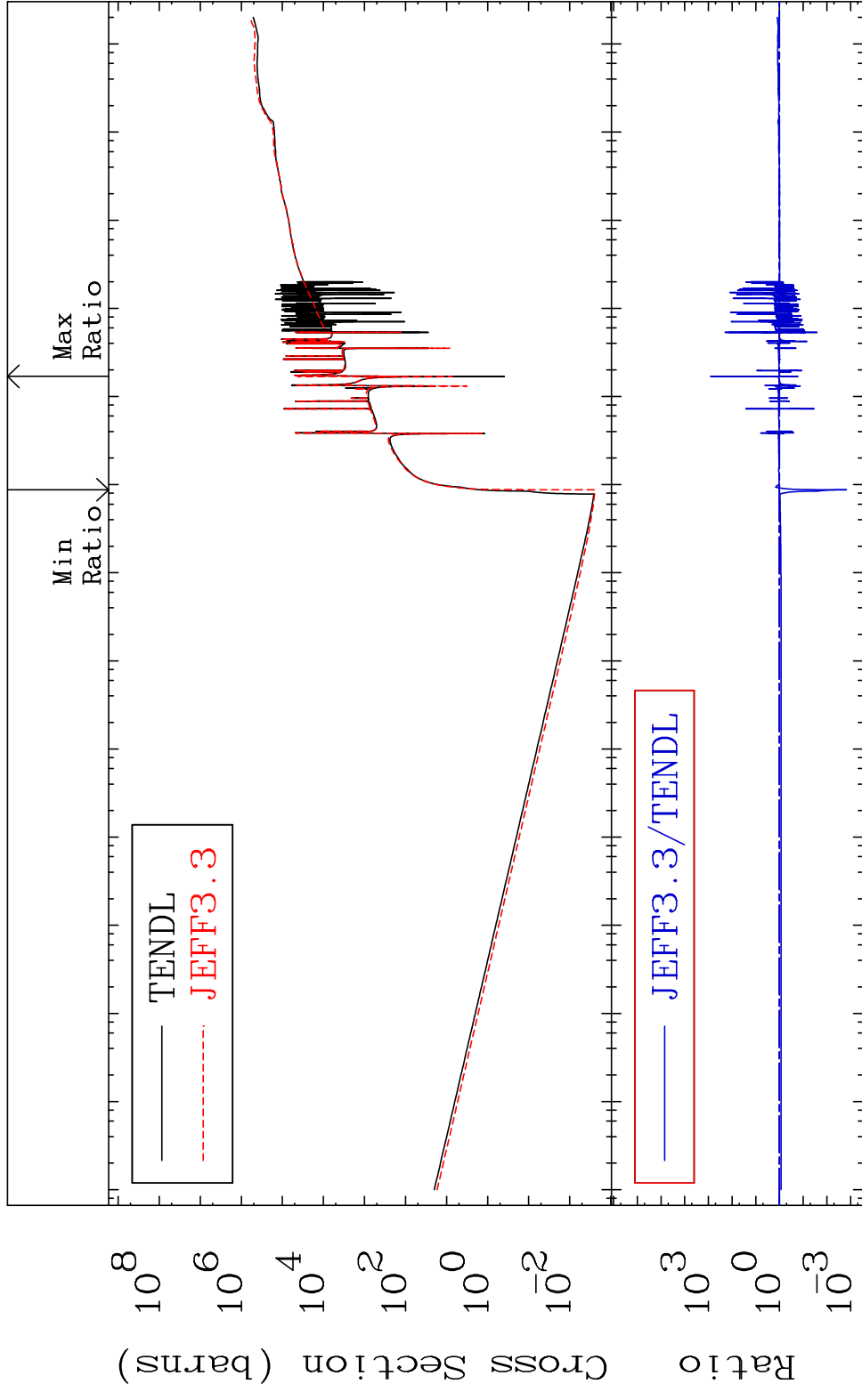


MAT 4025

Dpa total (eV-barns)

40-Zr-90

Cross Section -99.85 To 9999. %



49

Incident Energy (eV)

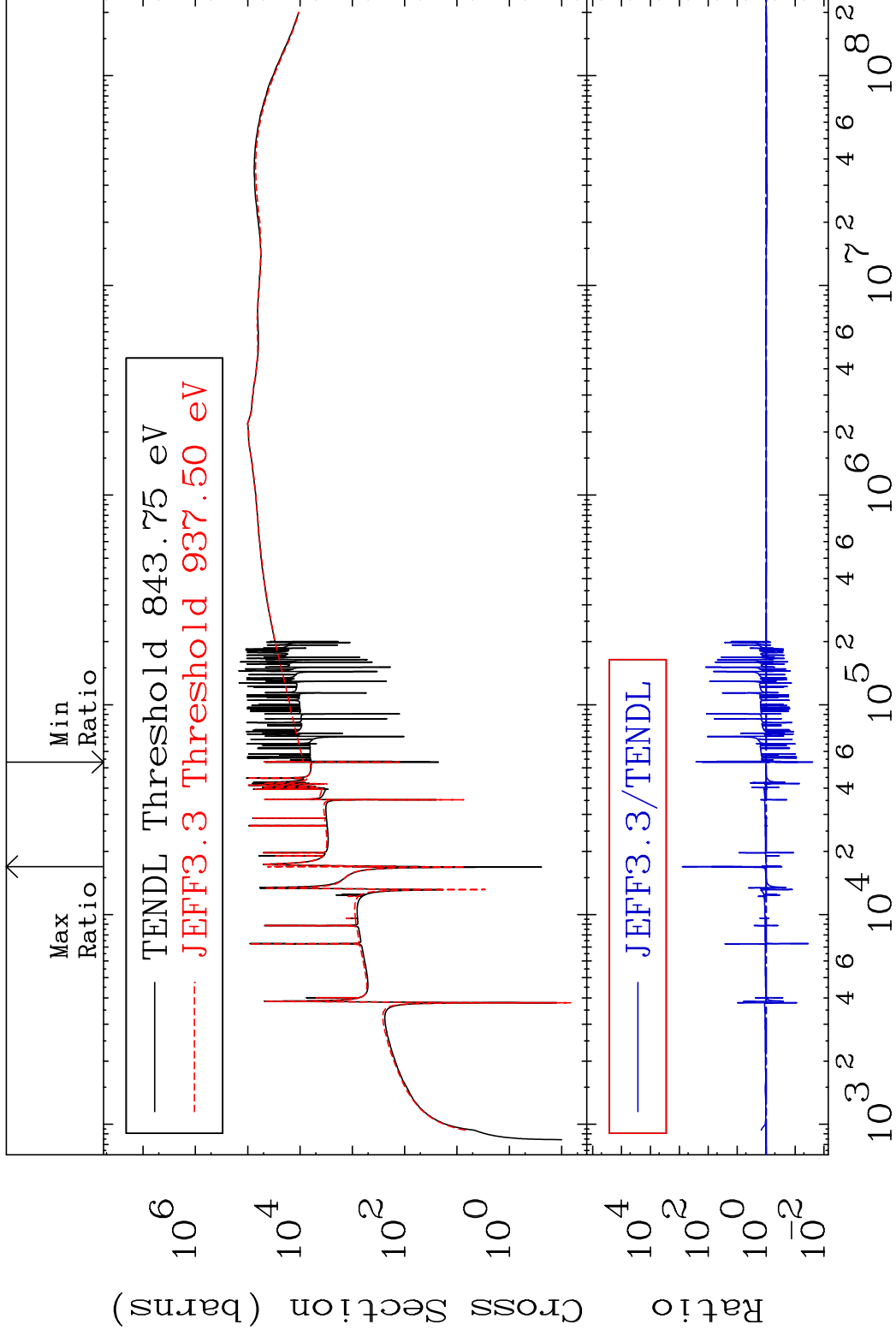
40-Zr-90

MAT 4025

Dpa elastic (mt2)

40-Zr-90

Cross Section -97.50 To 9999. %

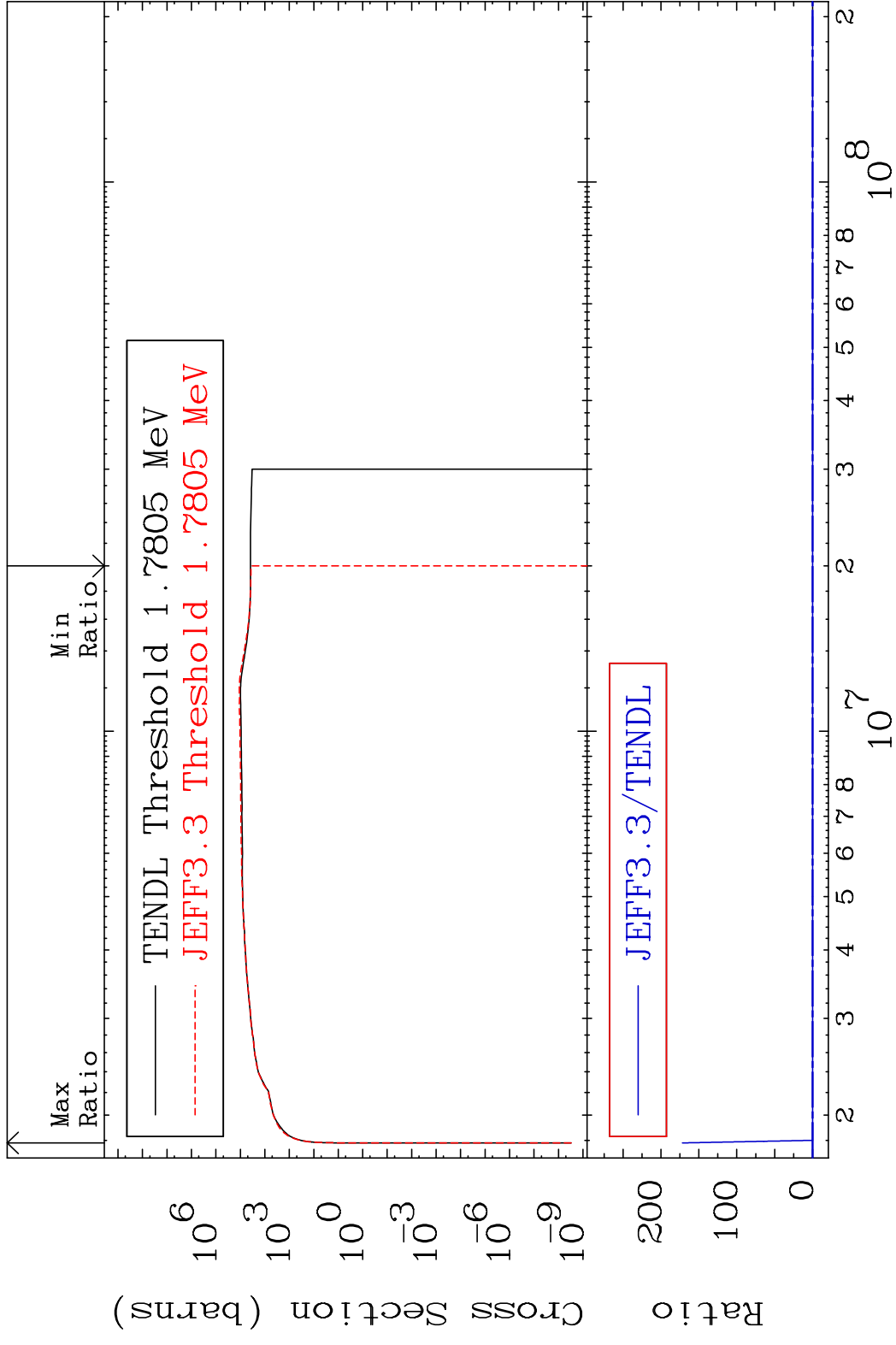


50

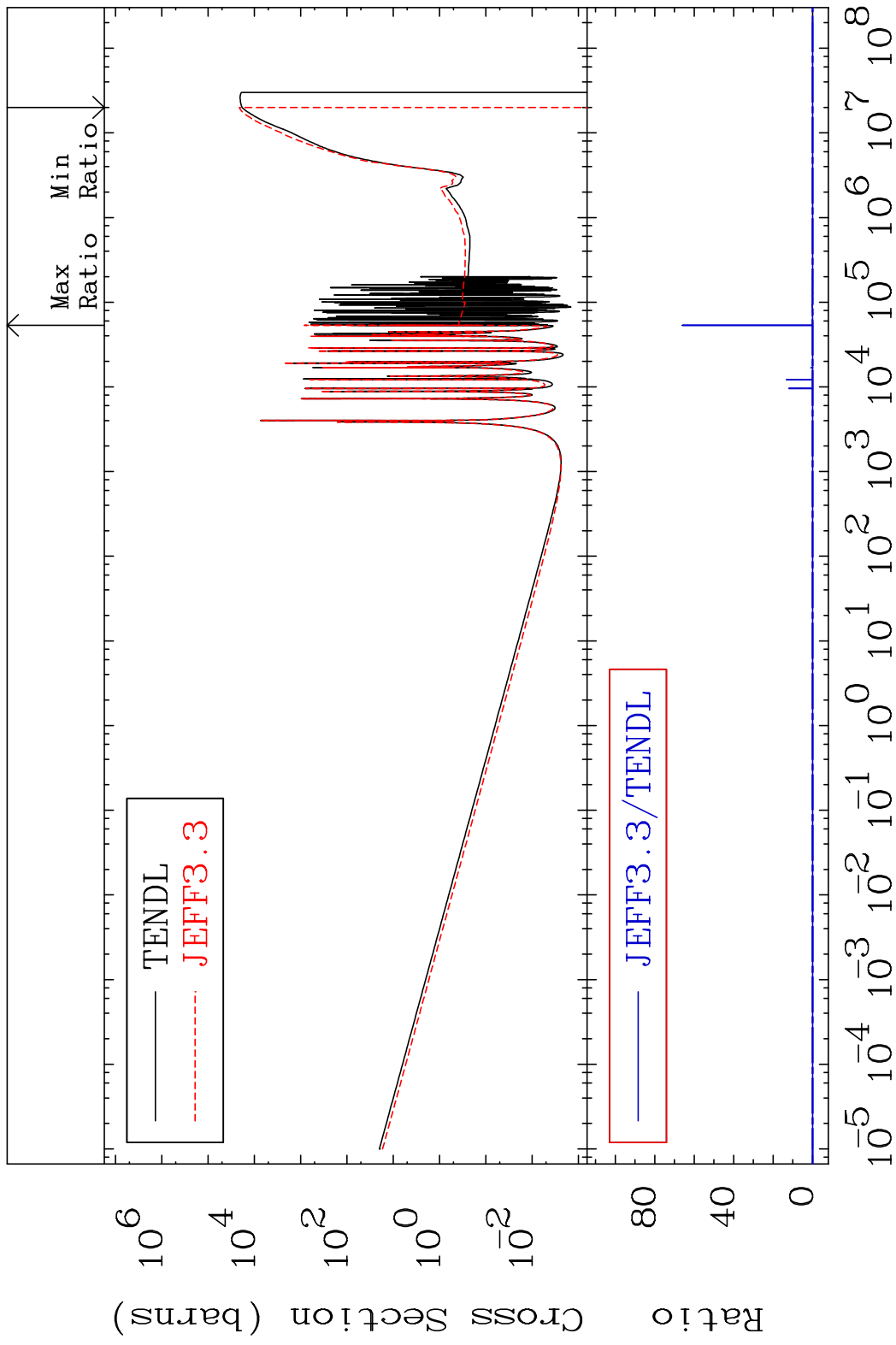
Incident Energy (eV)

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. %



52 Incident Energy (eV) 40-Zr-90