

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

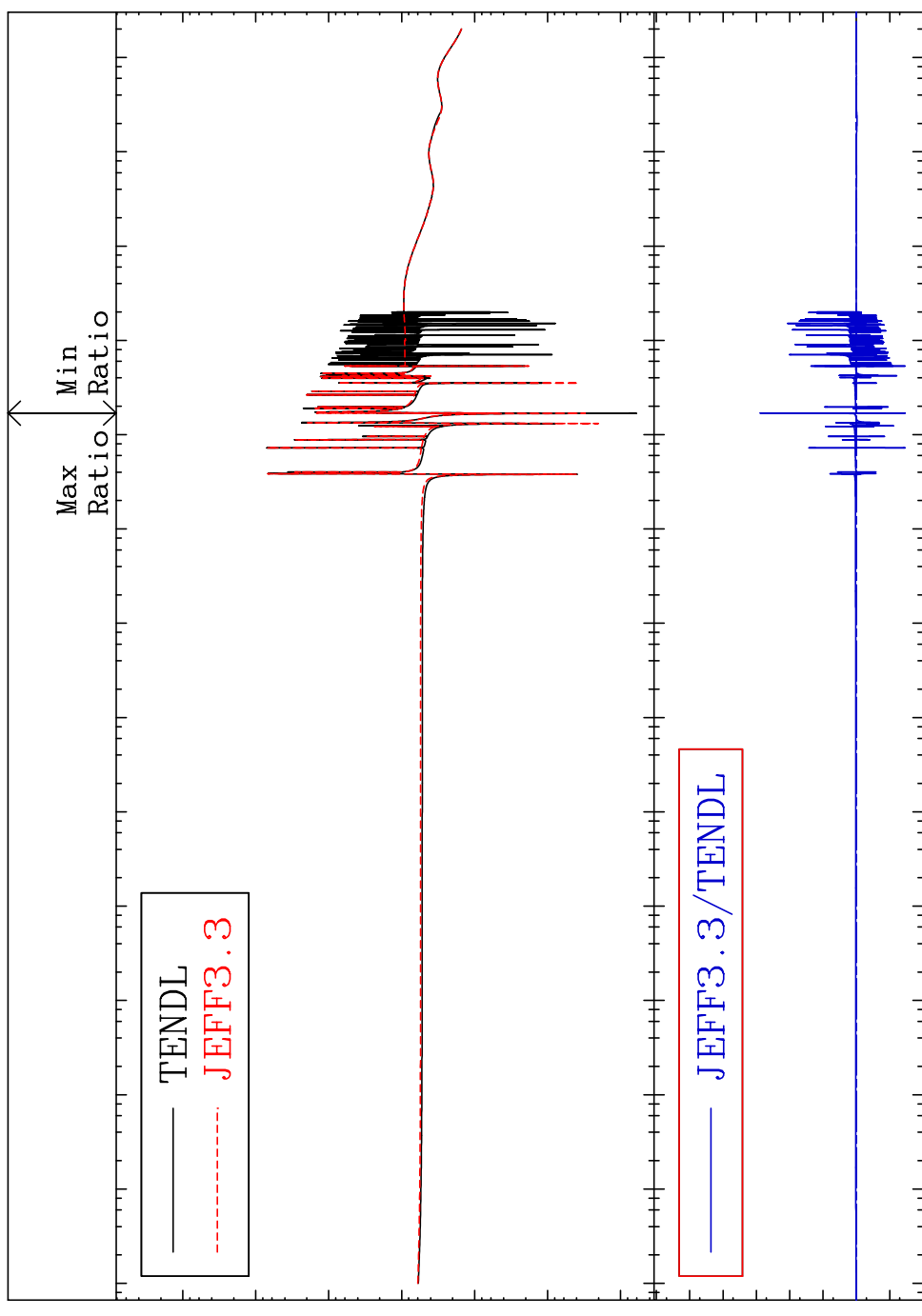
MAT 4025

Total

40-Zr-90

Cross Section

-96.58 To 9999. %



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

1

Incident Energy (eV)

40-Zr-90

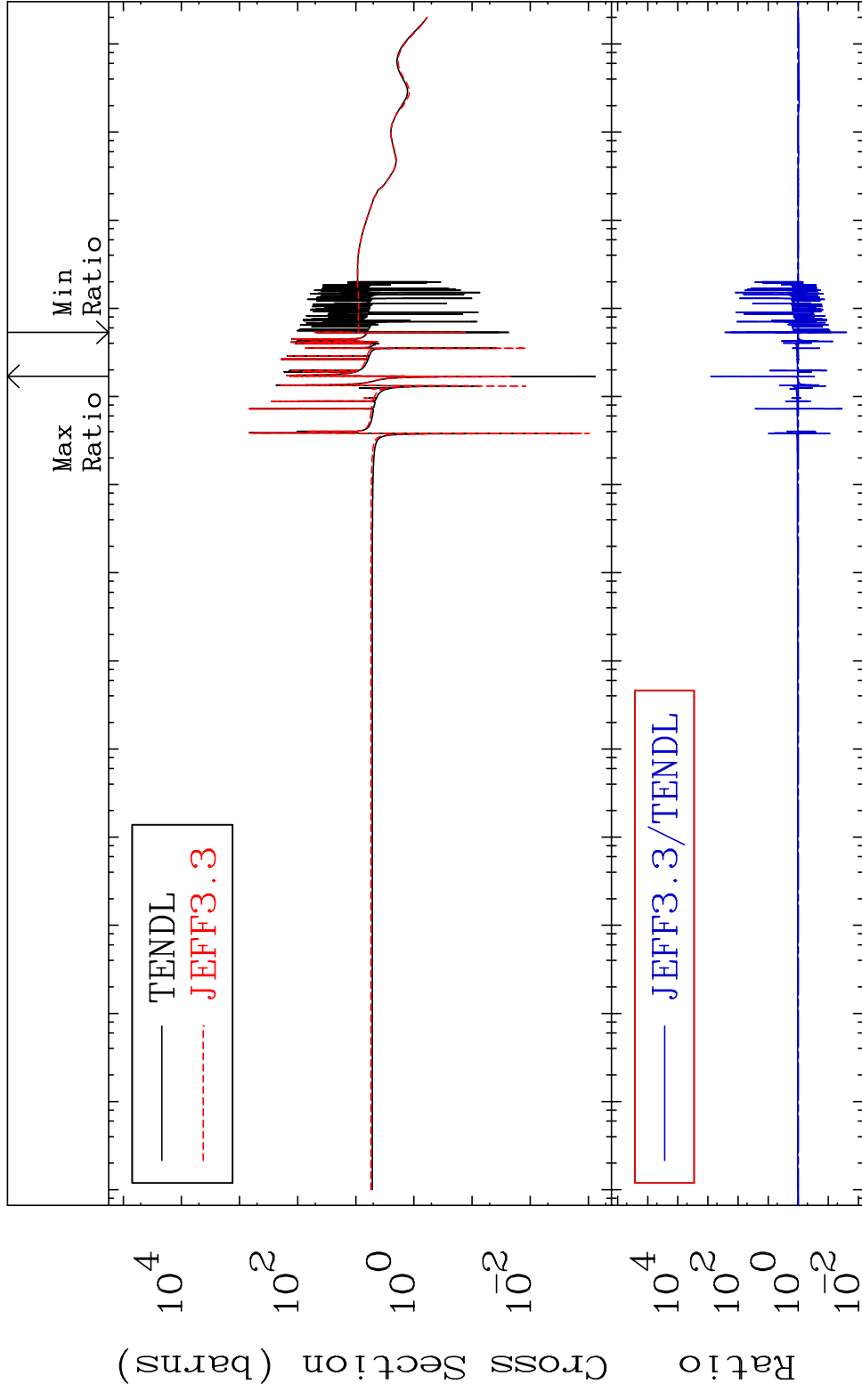
MAT 4025

Elastic

40-Zr-90

Cross Section

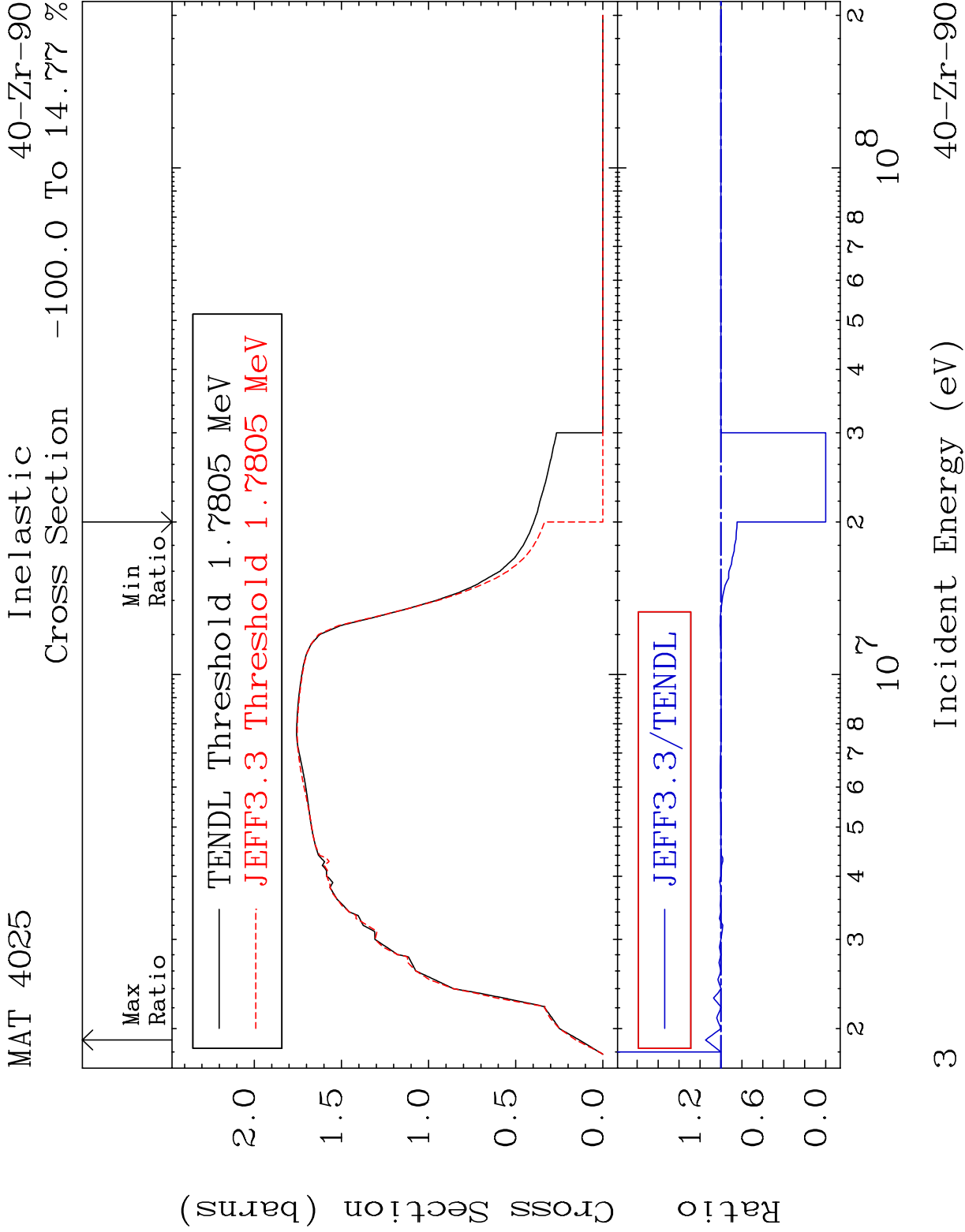
-97.47 To 9999. %



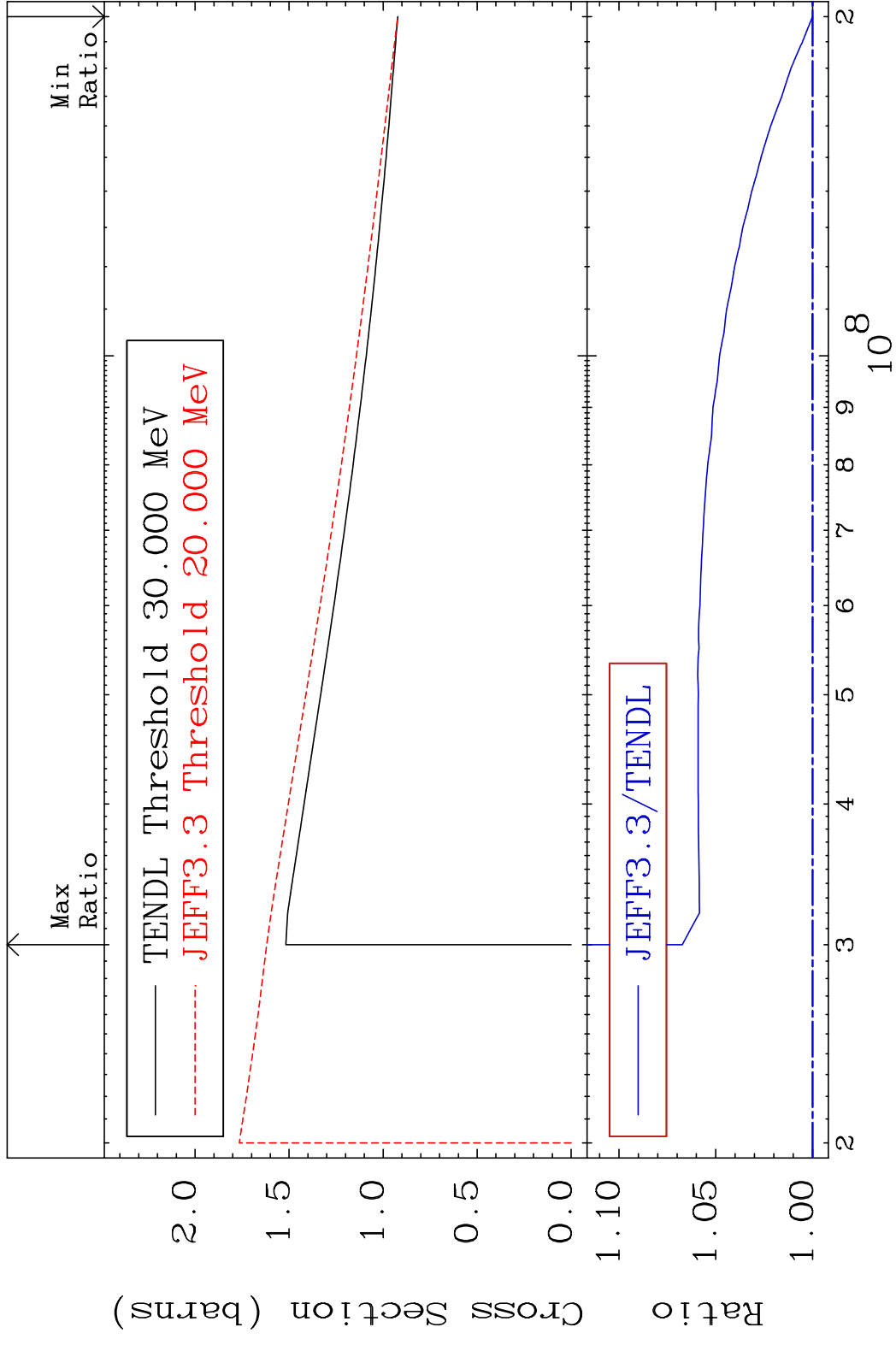
2

Incident Energy (eV)

40-Zr-90

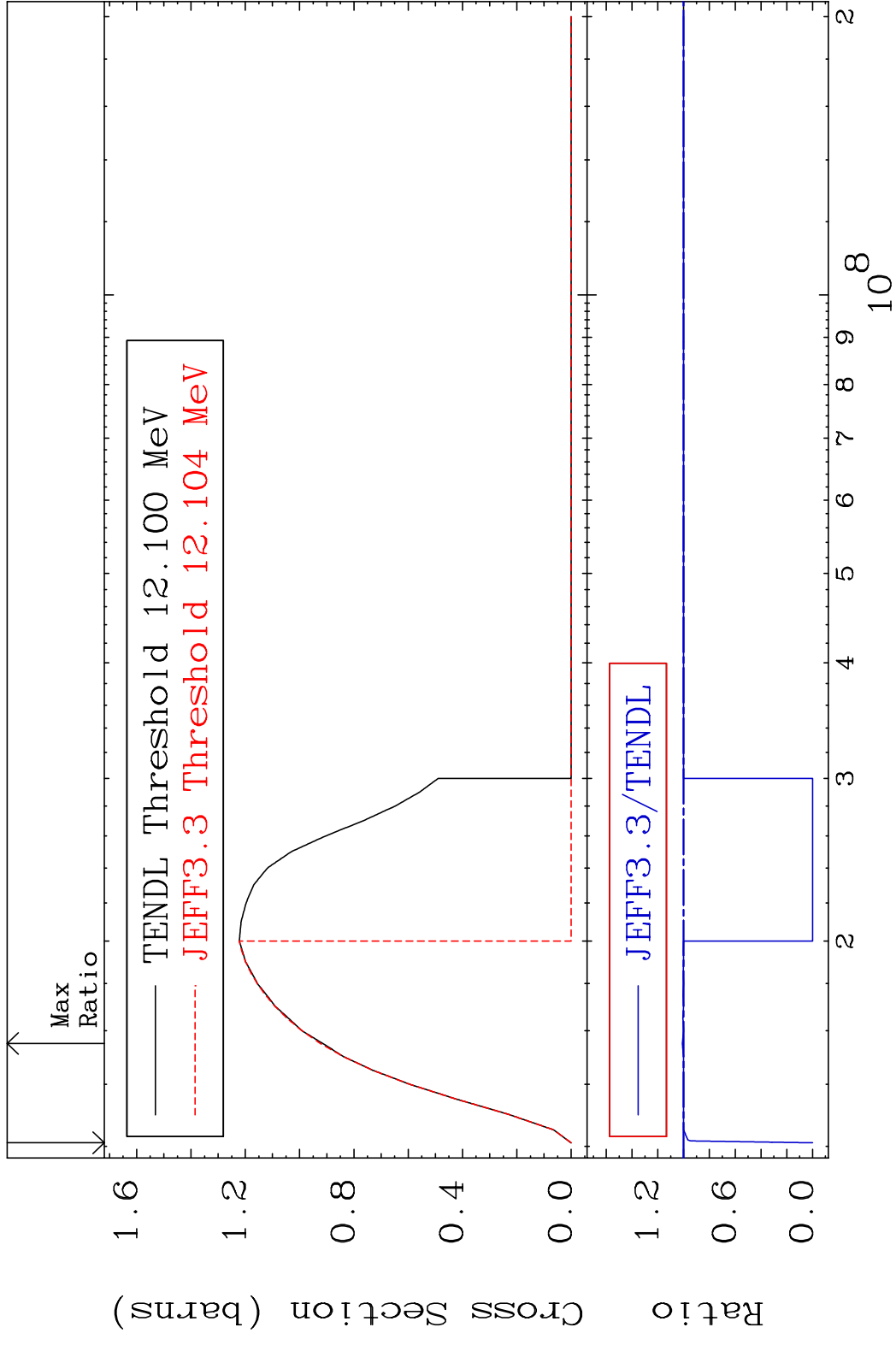


MAT 4025 (n, remainder) 40-Zr-90
 Cross Section 0.004 To 6.725 %

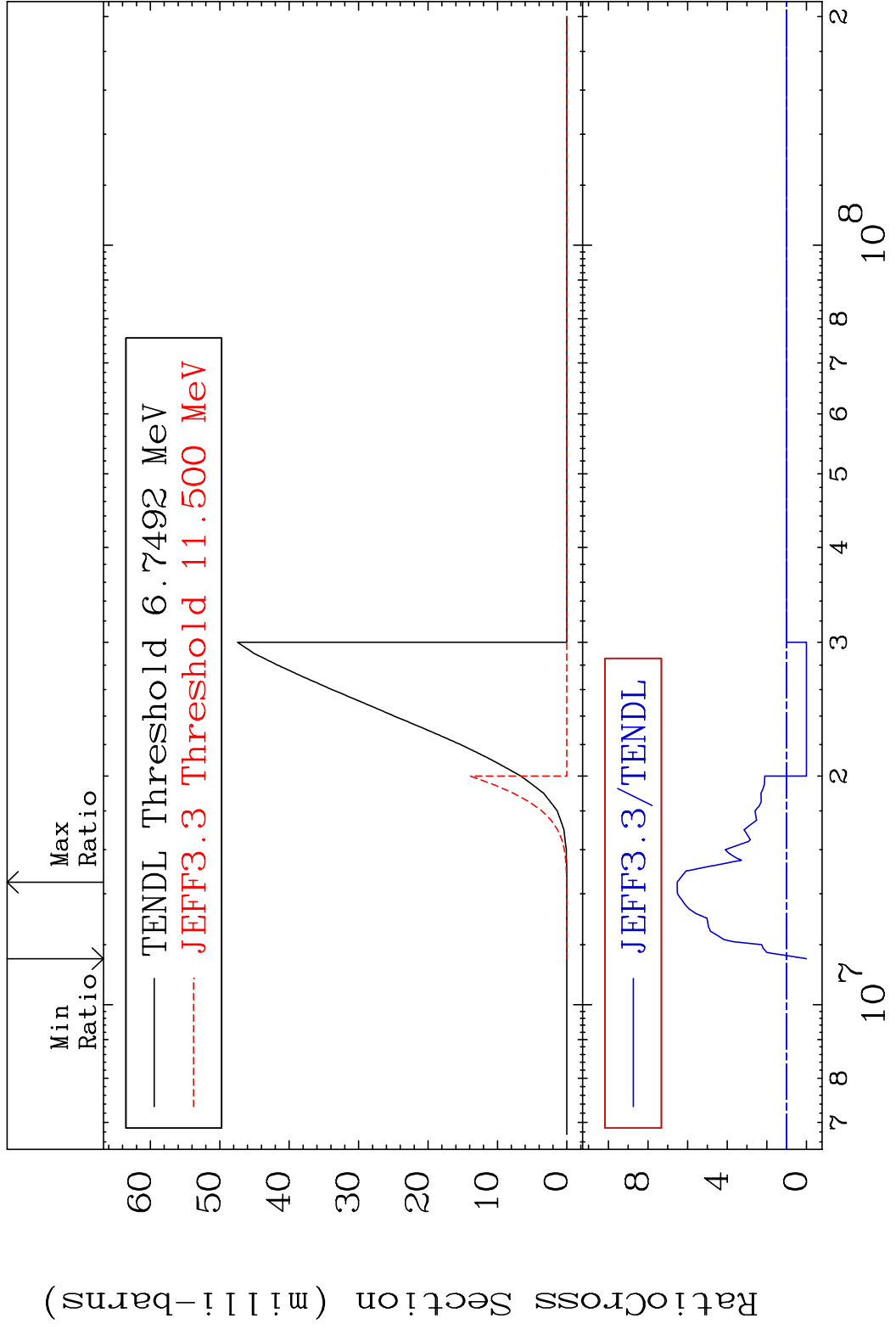


4 Incident Energy (eV) 40-Zr-90

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 552.6 %



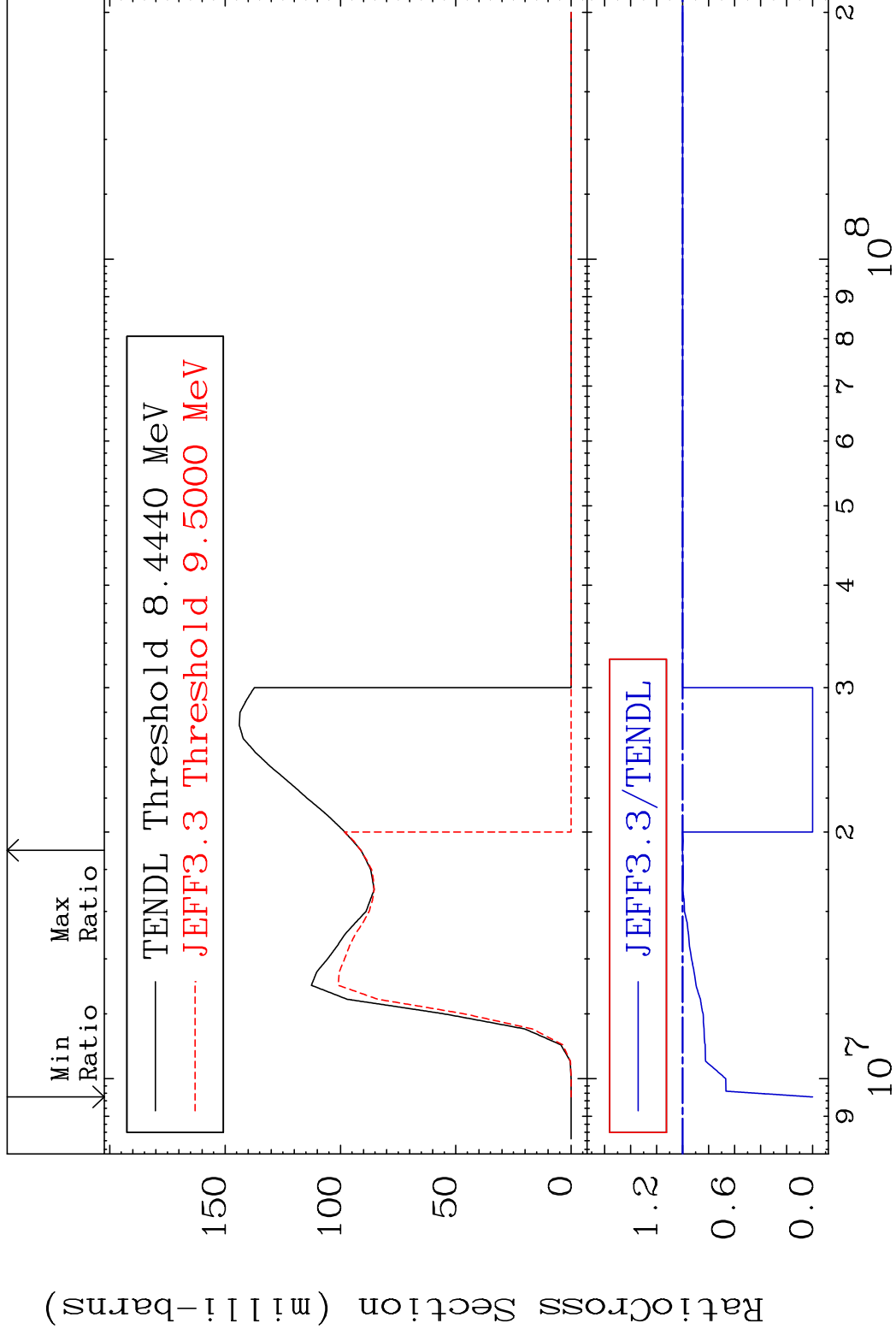
6 8 10 2 40-Zr-90

MAT 4025

(n, n') p

40-Zr-90

Cross Section -100.0 To 0.153 %

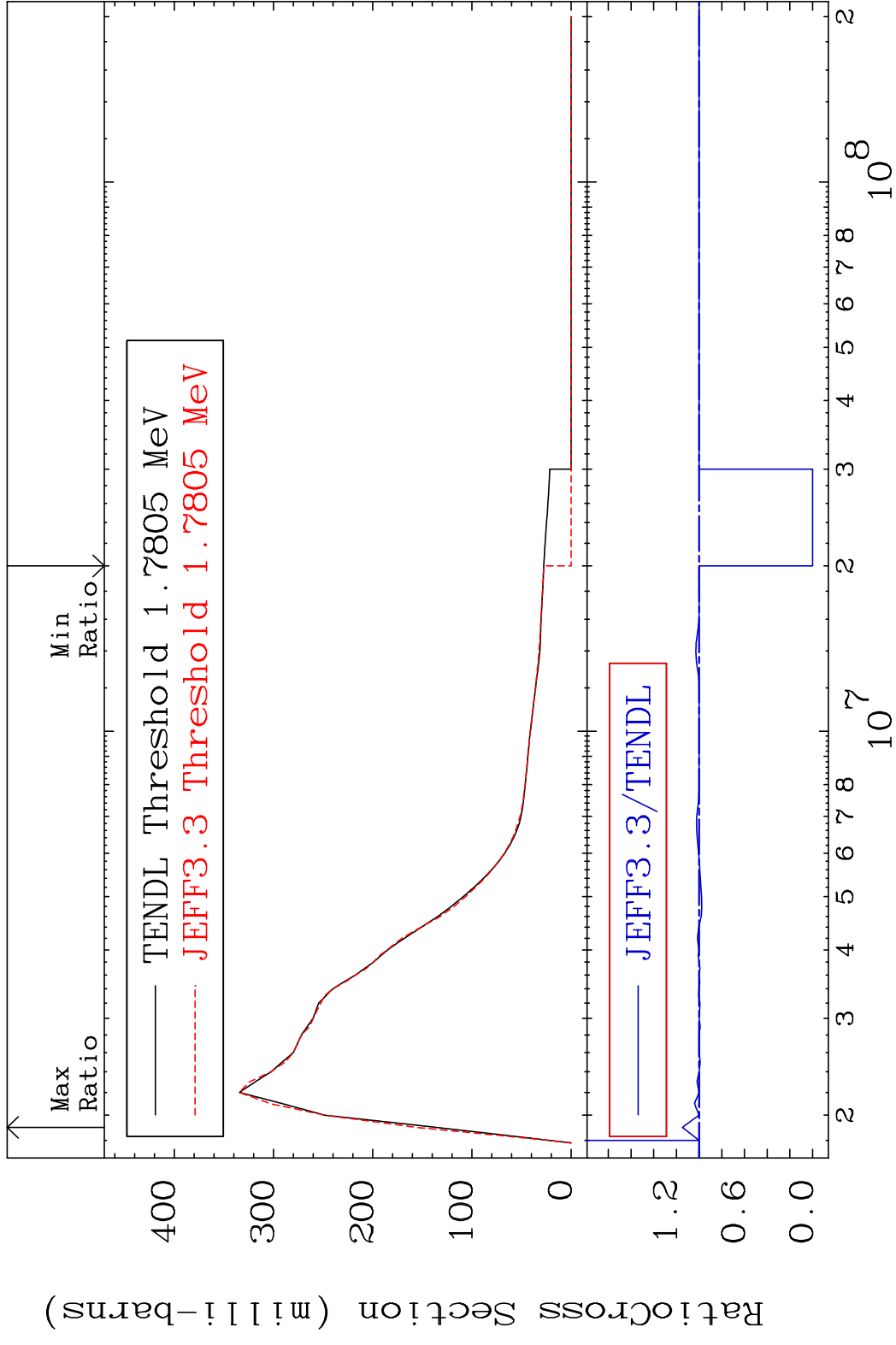


7

Incident Energy (eV)

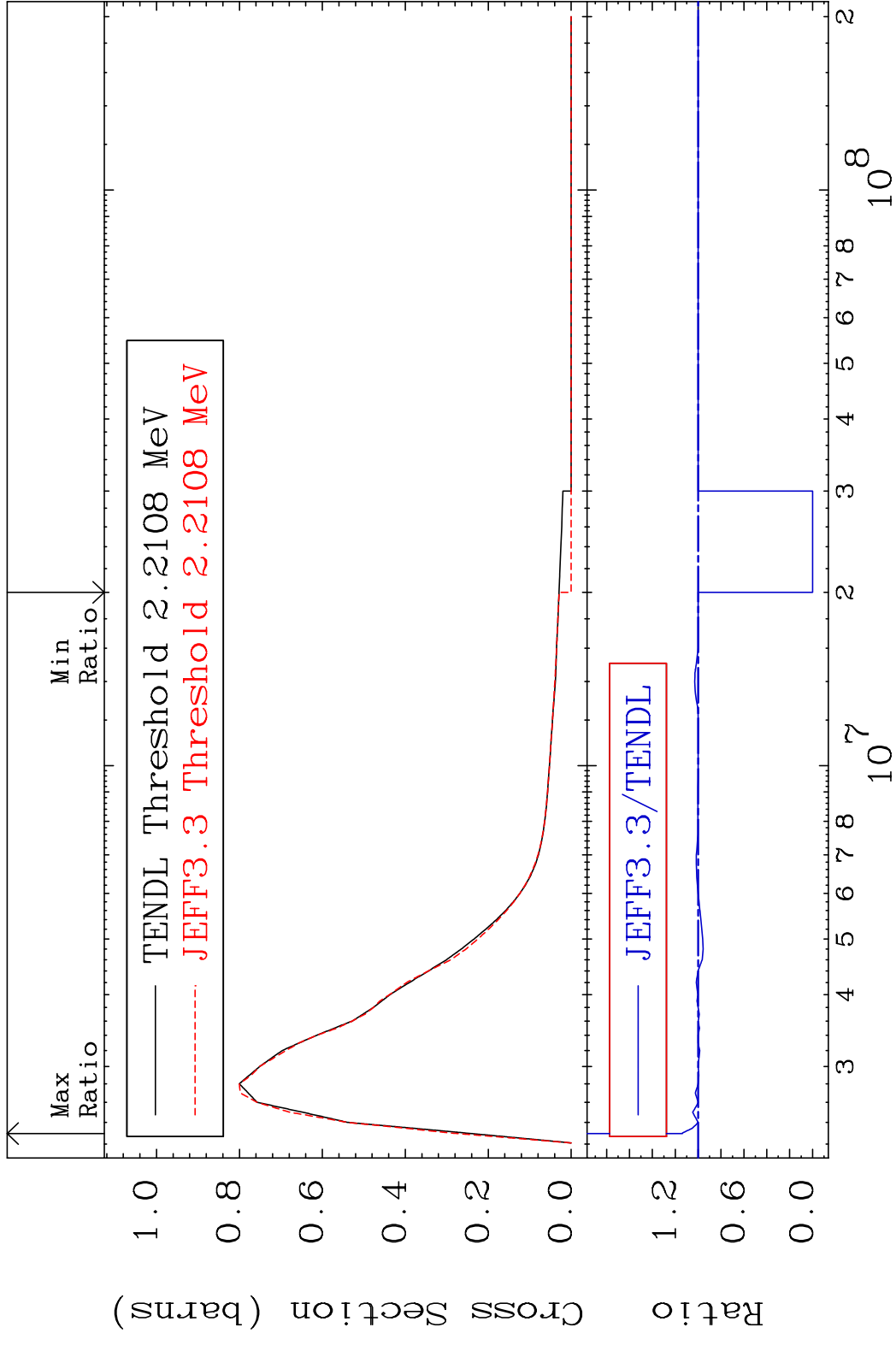
40-Zr-90

MAT 4025 MT= 51 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 14.77 %

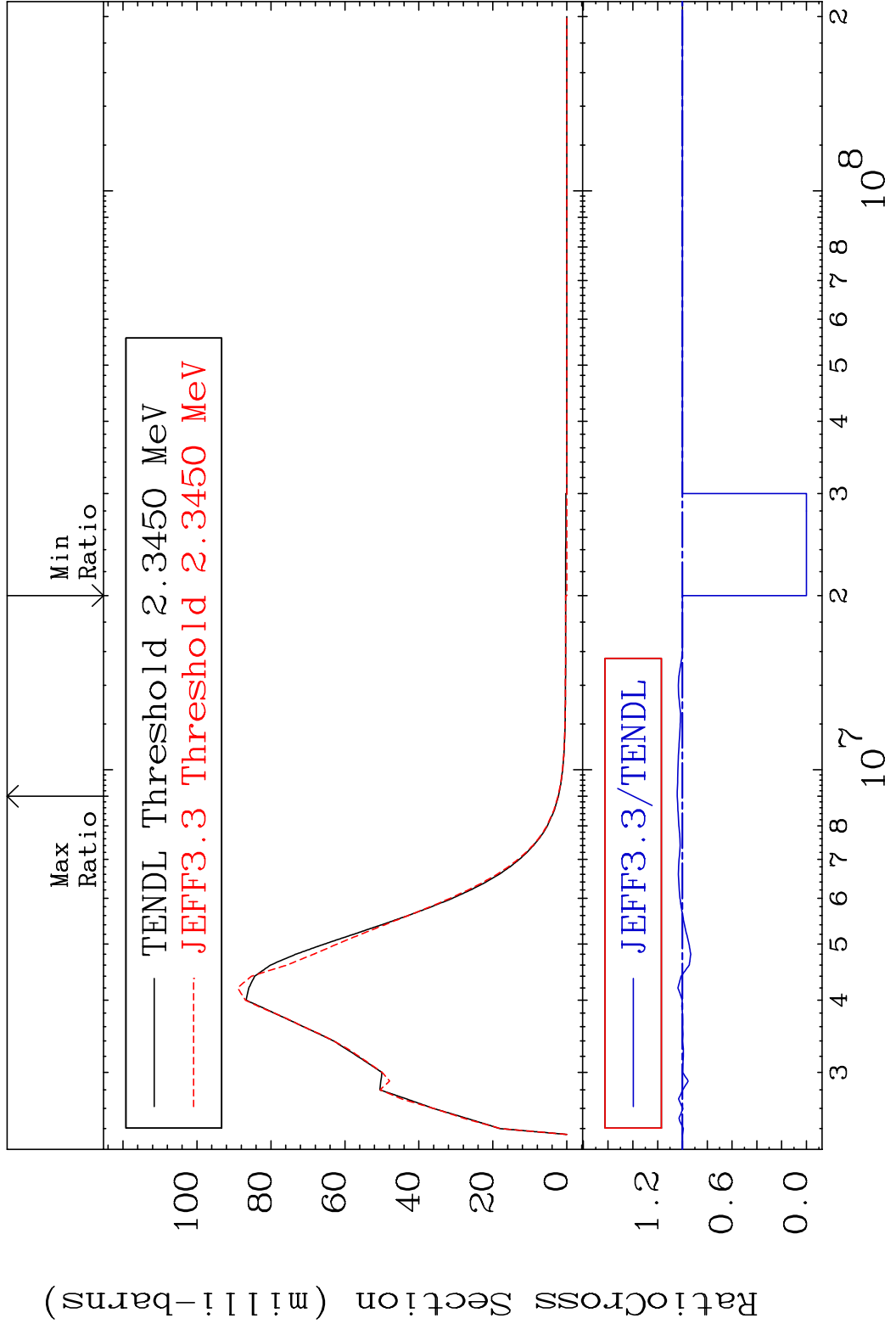


8 Incident Energy (eV) 40-Zr-90

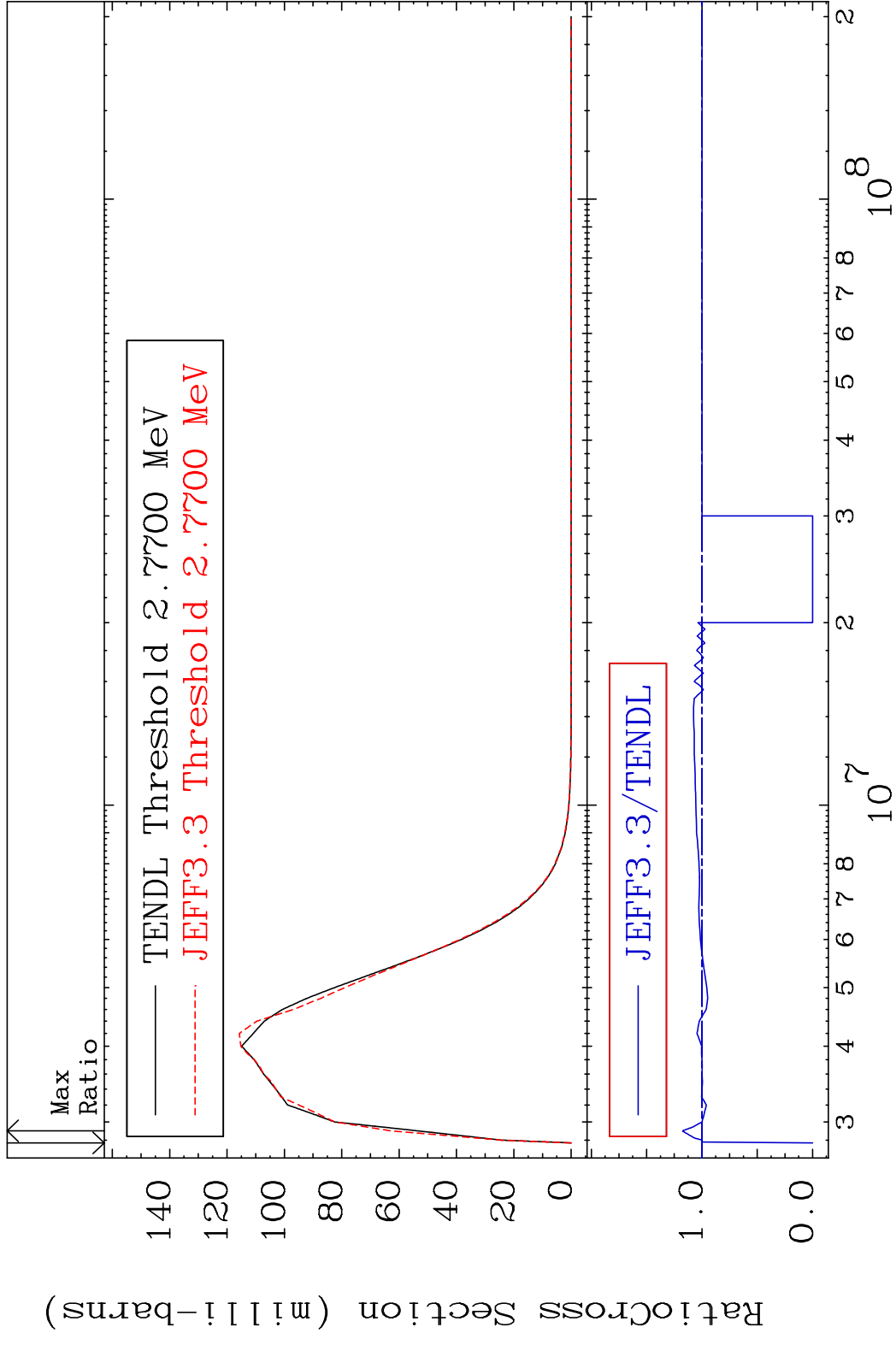
MAT 4025 MT= 52 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 13.81 %



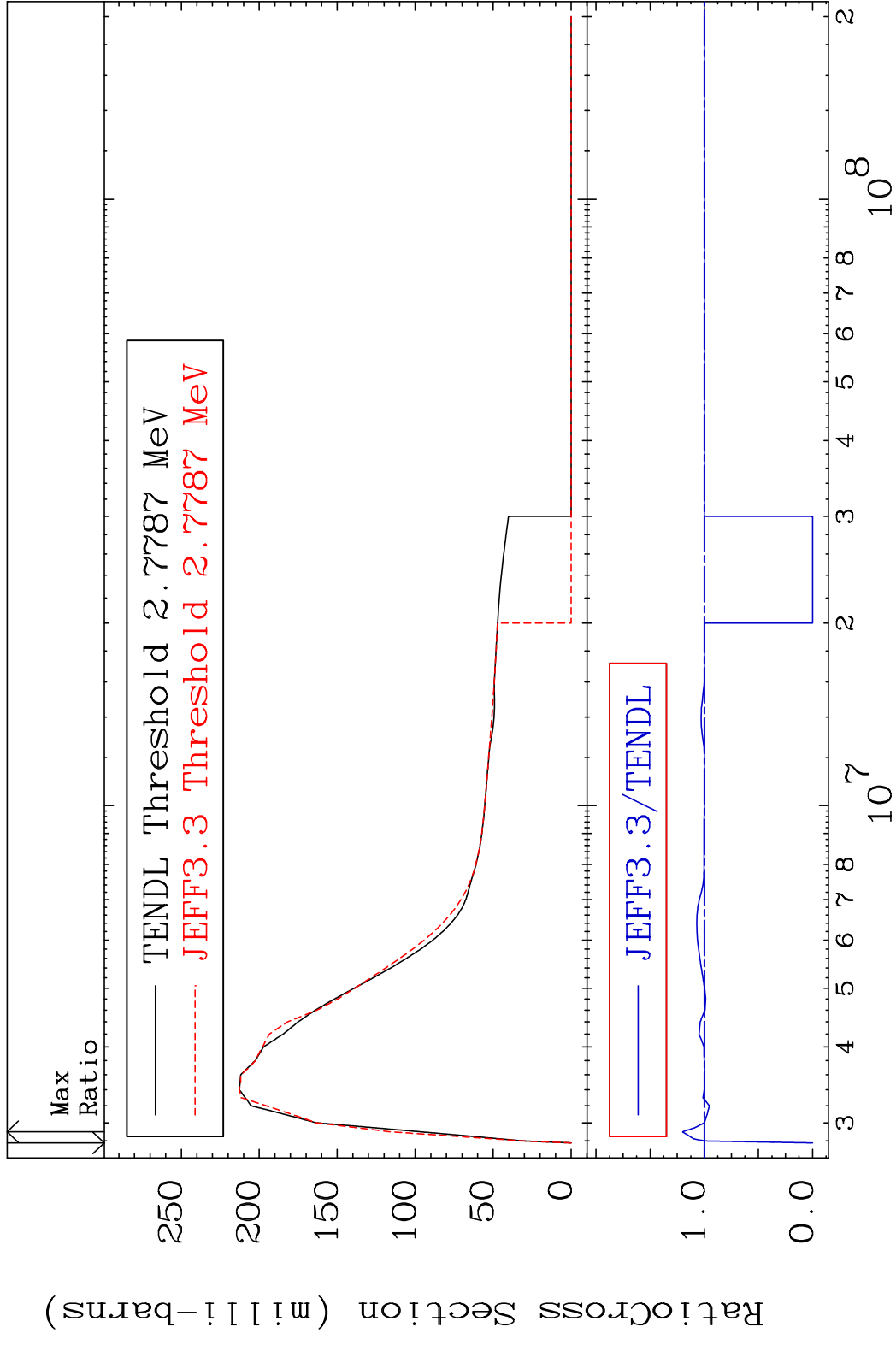
MAT 4025 MT= 53 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 4.240 %



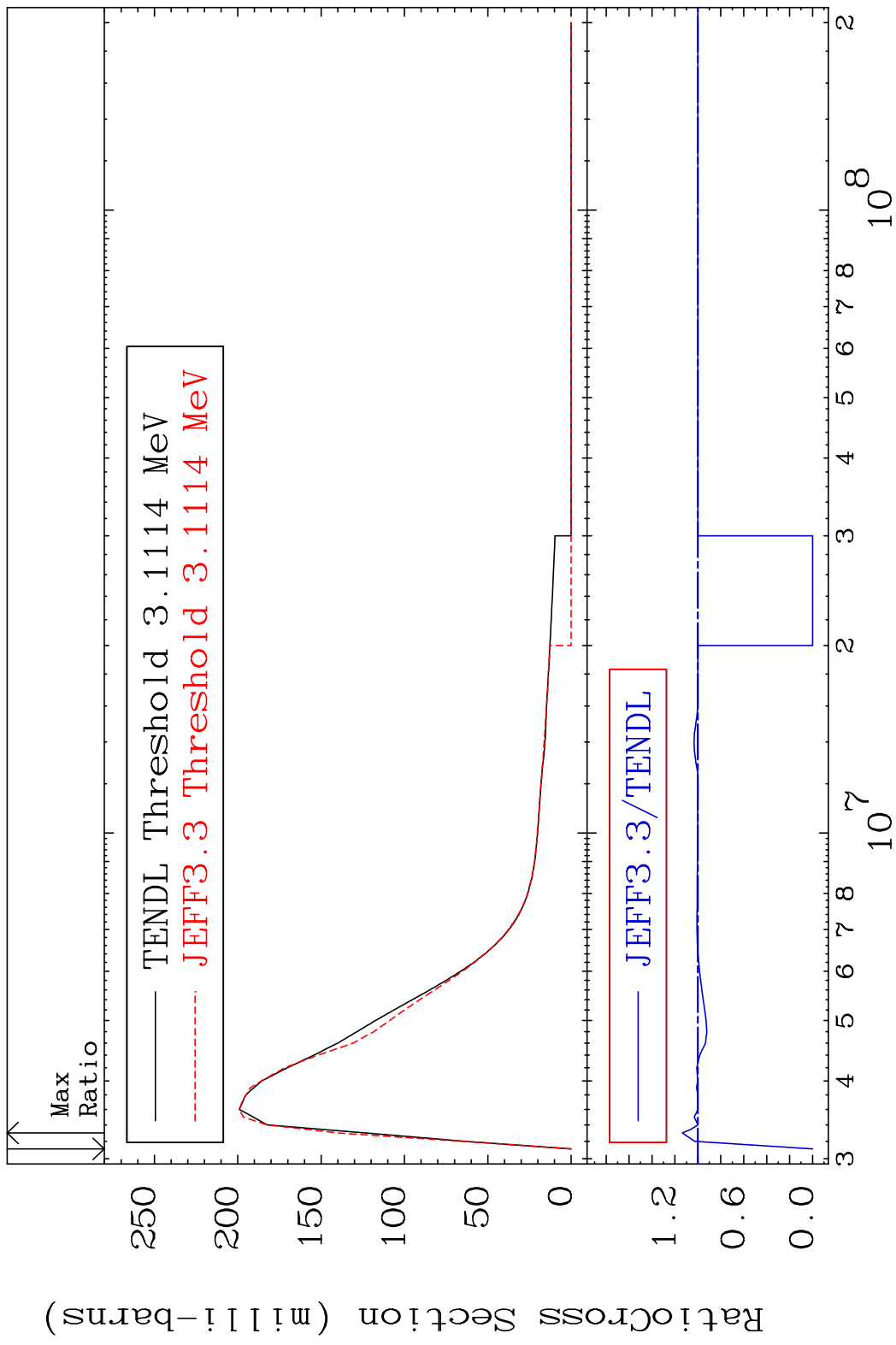
MAT 4025 MT= 54 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 17.69 %



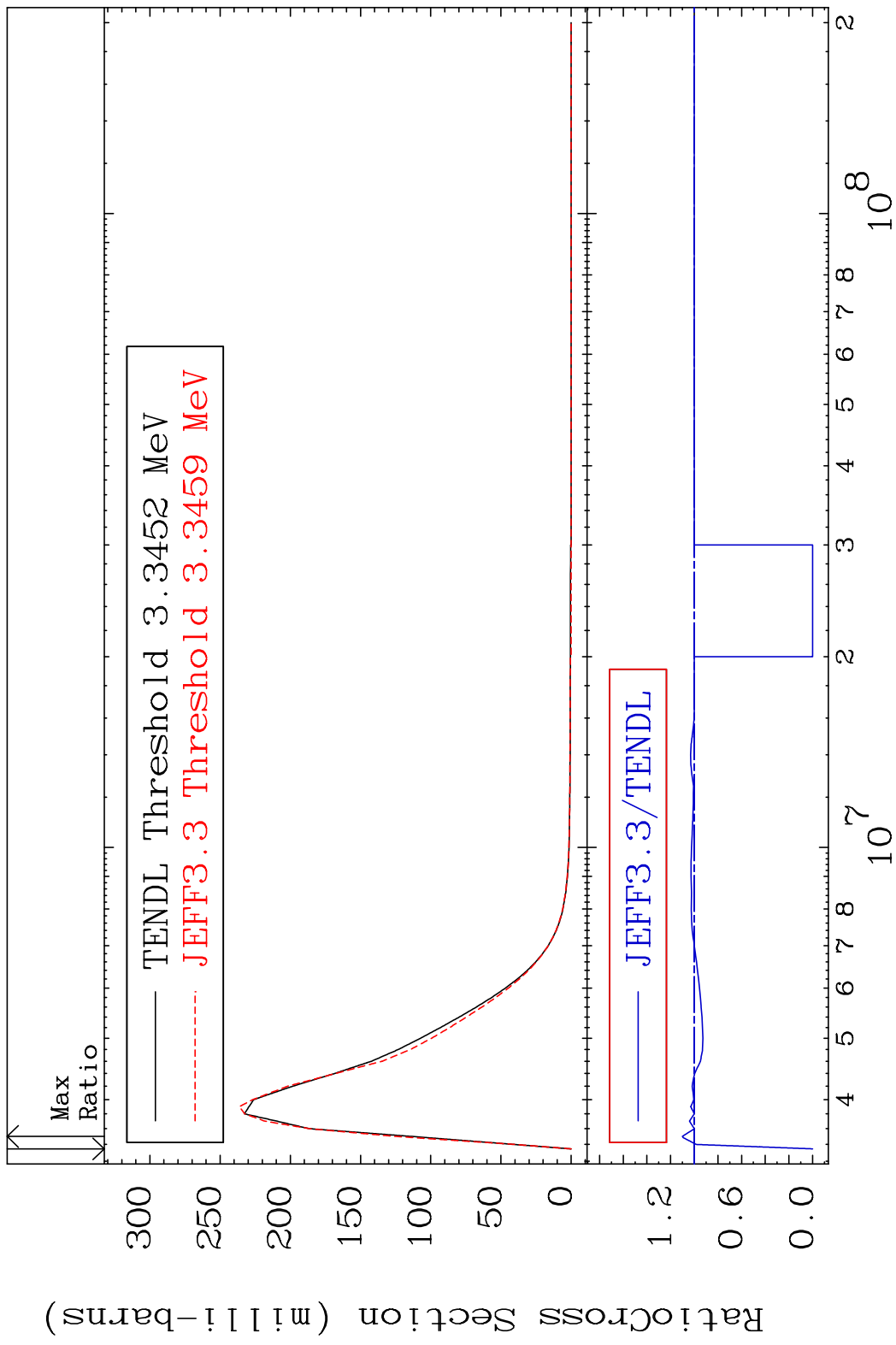
MAT 4025 MT= 55 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 20.26 %



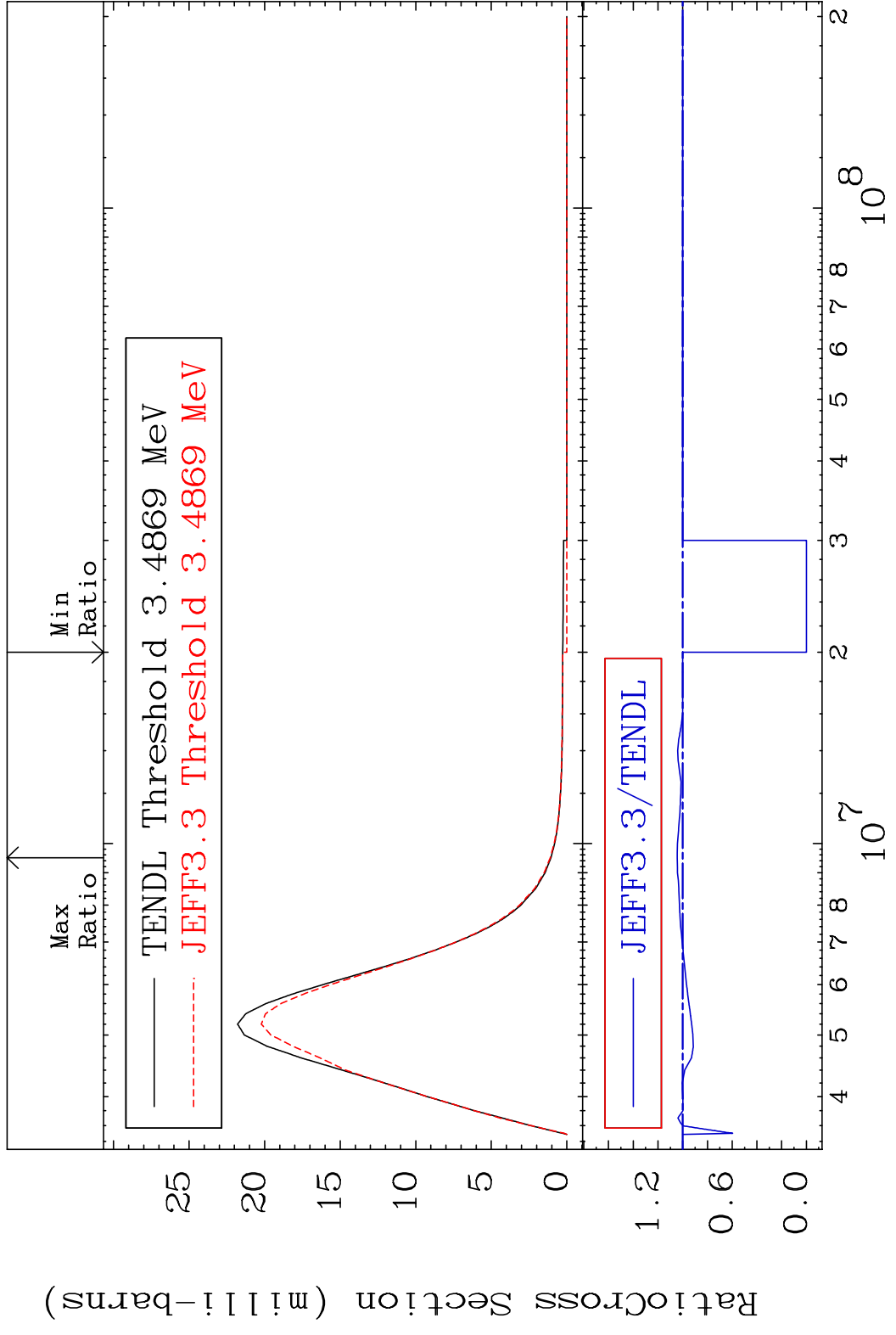
MAT 4025 MT= 56 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 13.52 %



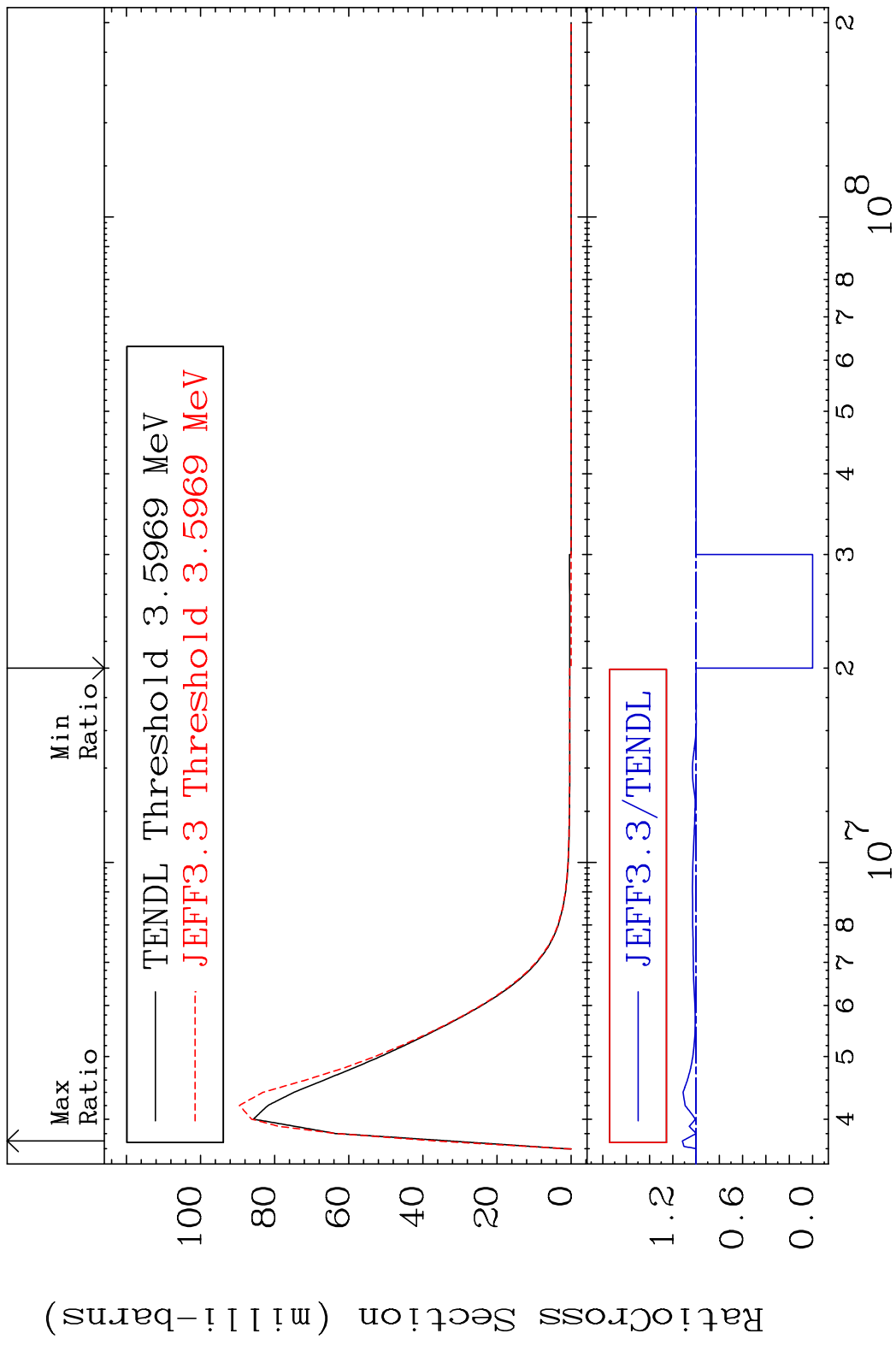
MAT 4025 MT= 57 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 10.05 %



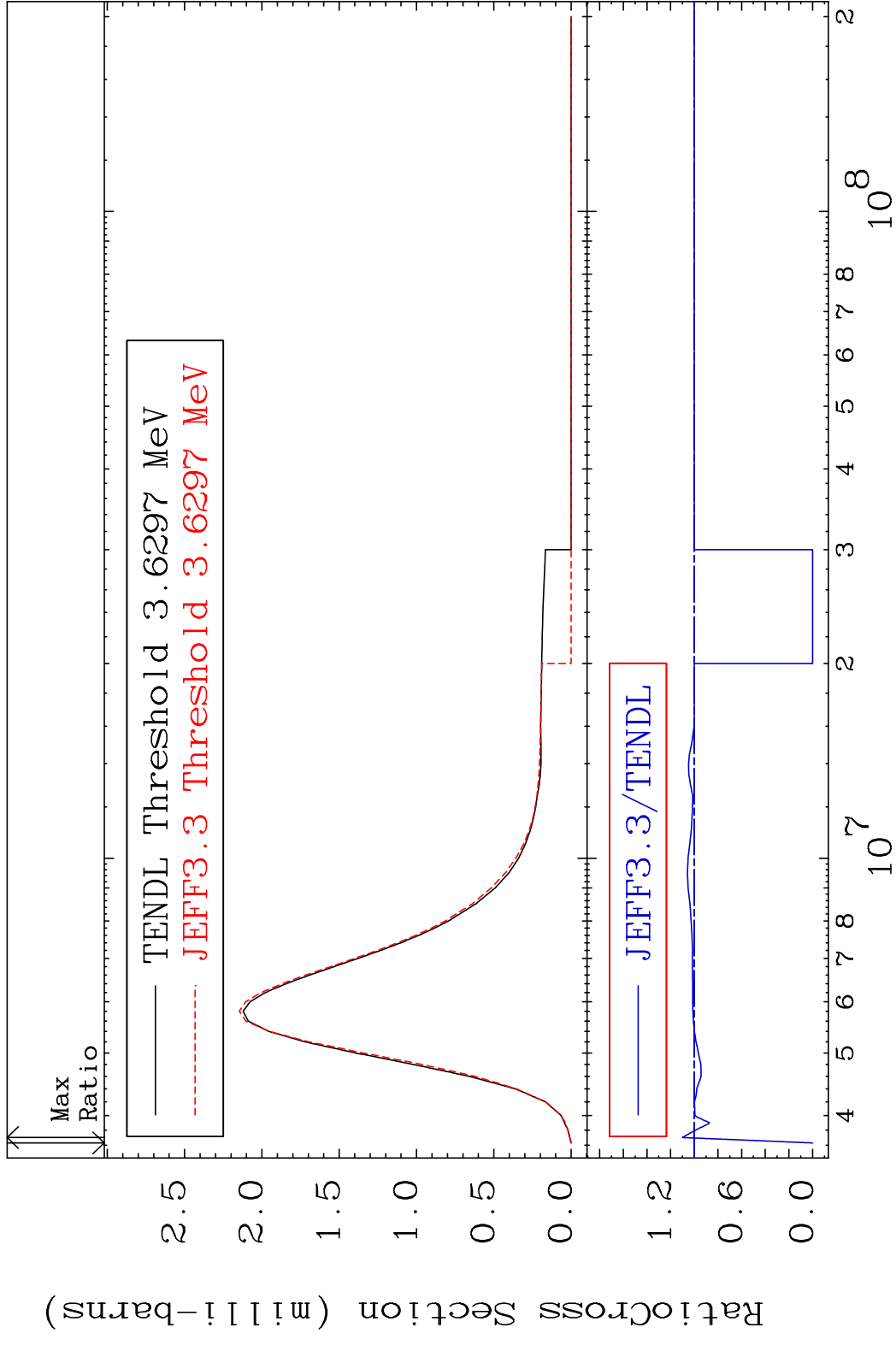
MAT 4025 MT= 58 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 4.479 %



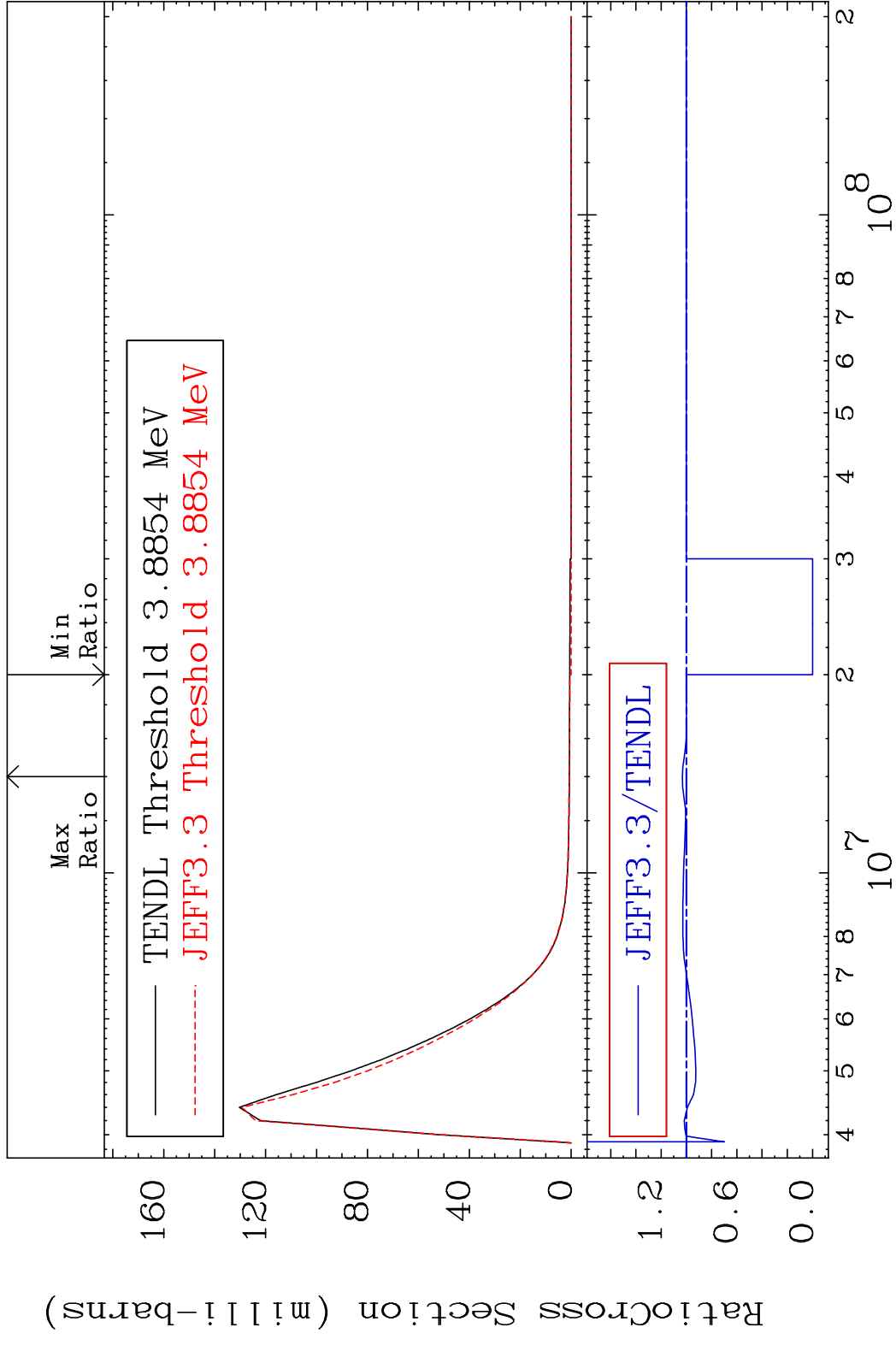
MAT 4025 MT= 59 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 11.79 %



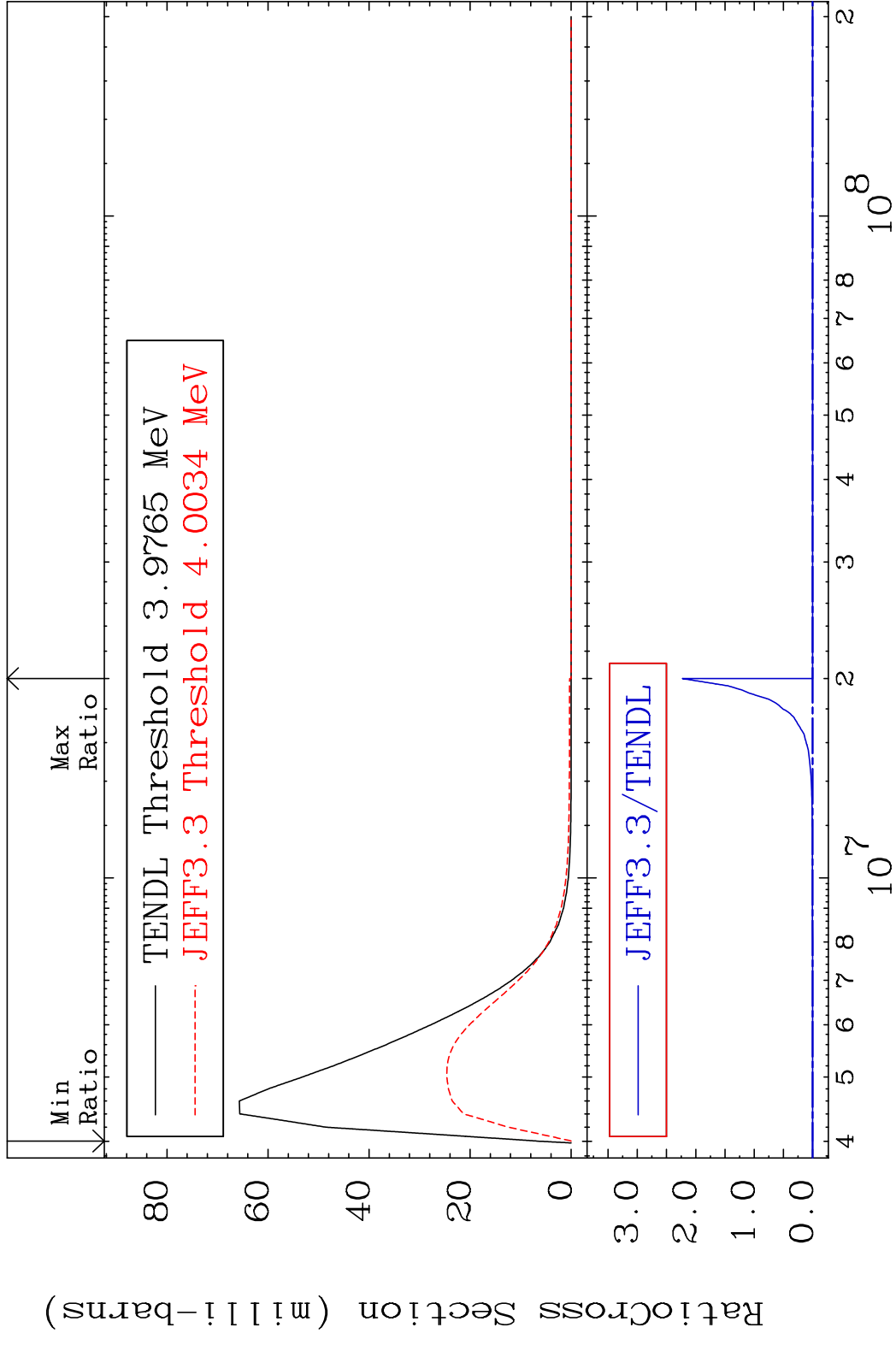
MAT 4025 MT= 60 (n,n') Level 40-Zr-90
 Cross Section -100.0 To 10.07 %



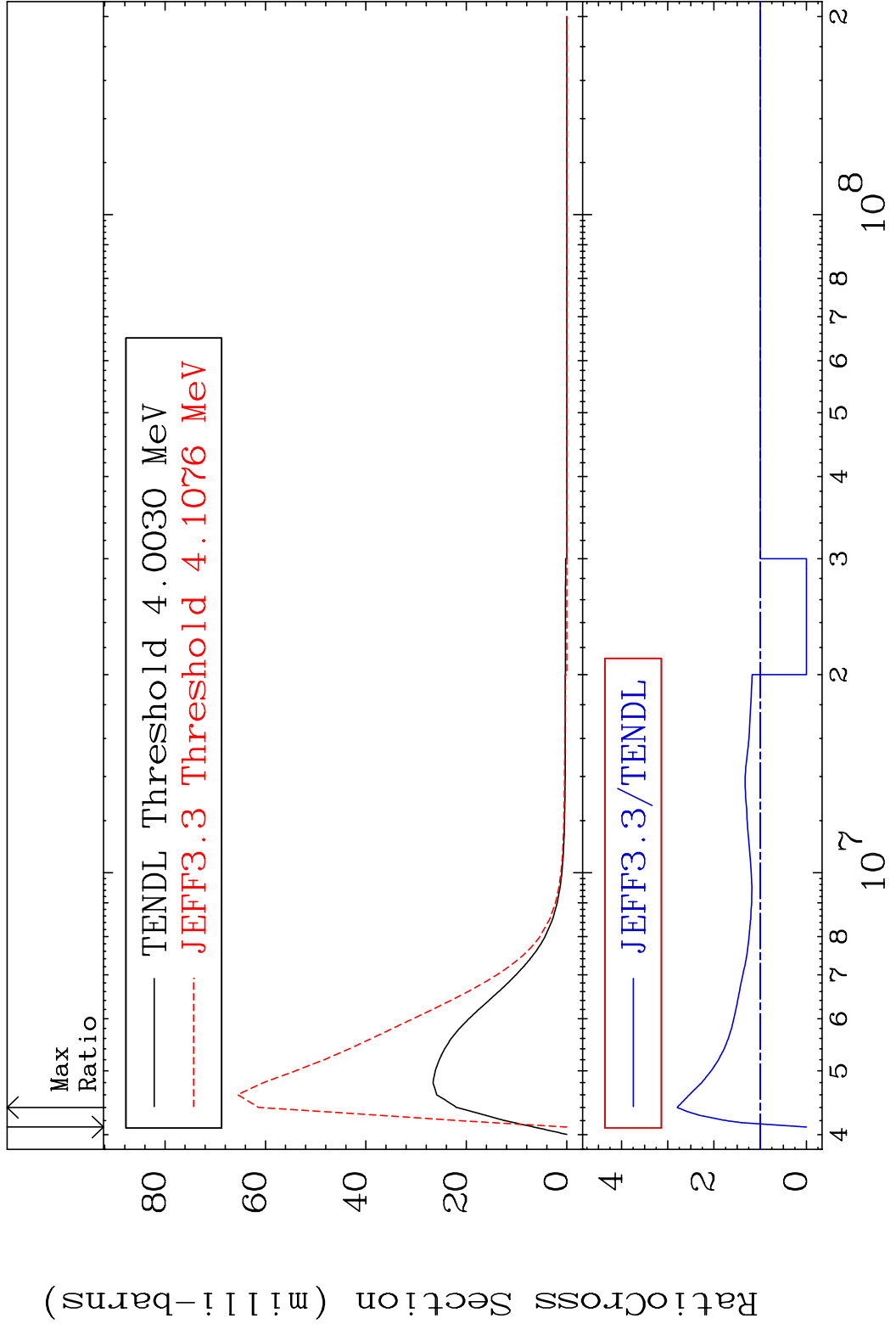
MAT 4025 MT= 61 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 3.188 %



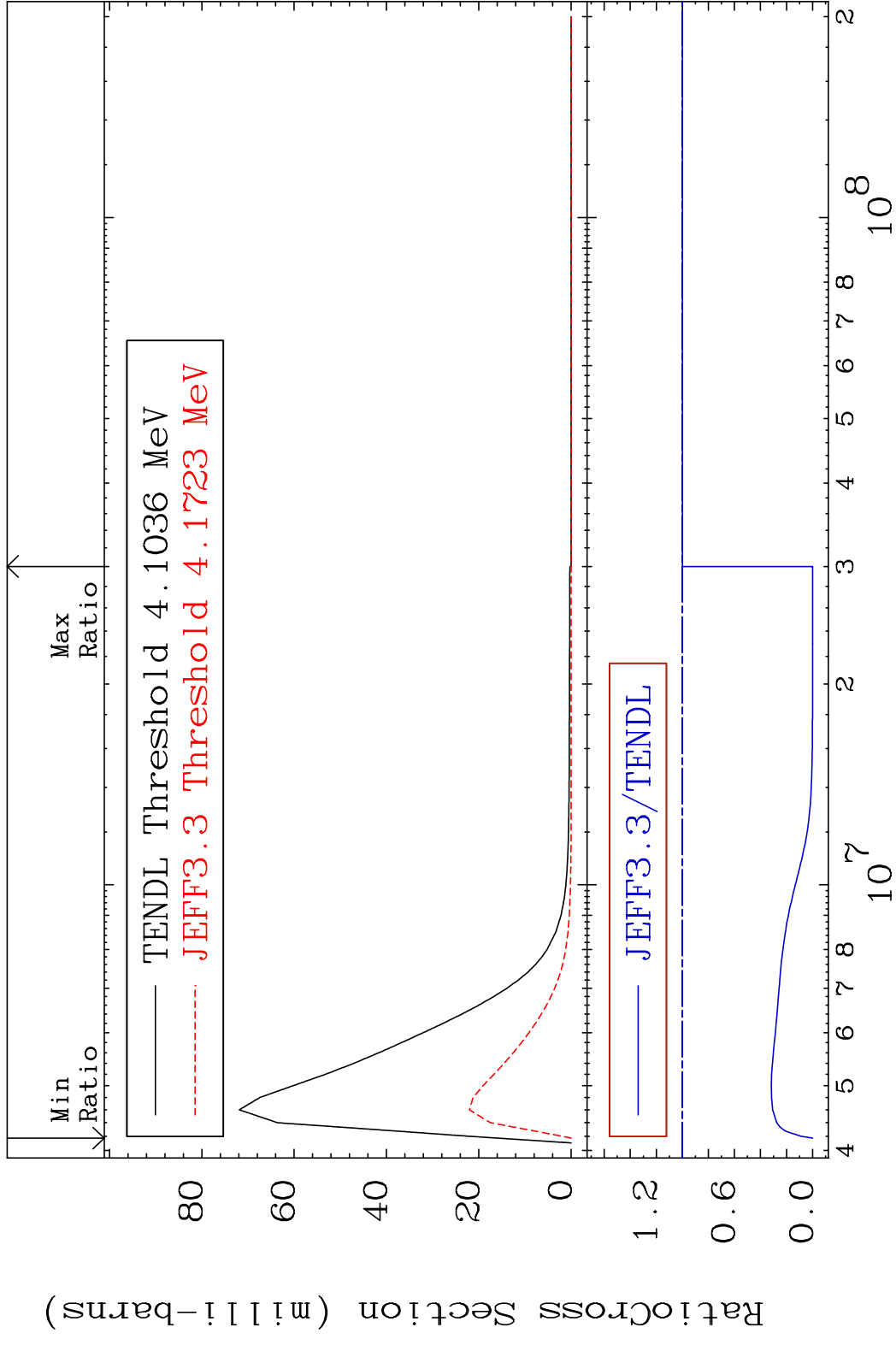
MAT 4025 MT= 62 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 9999. %



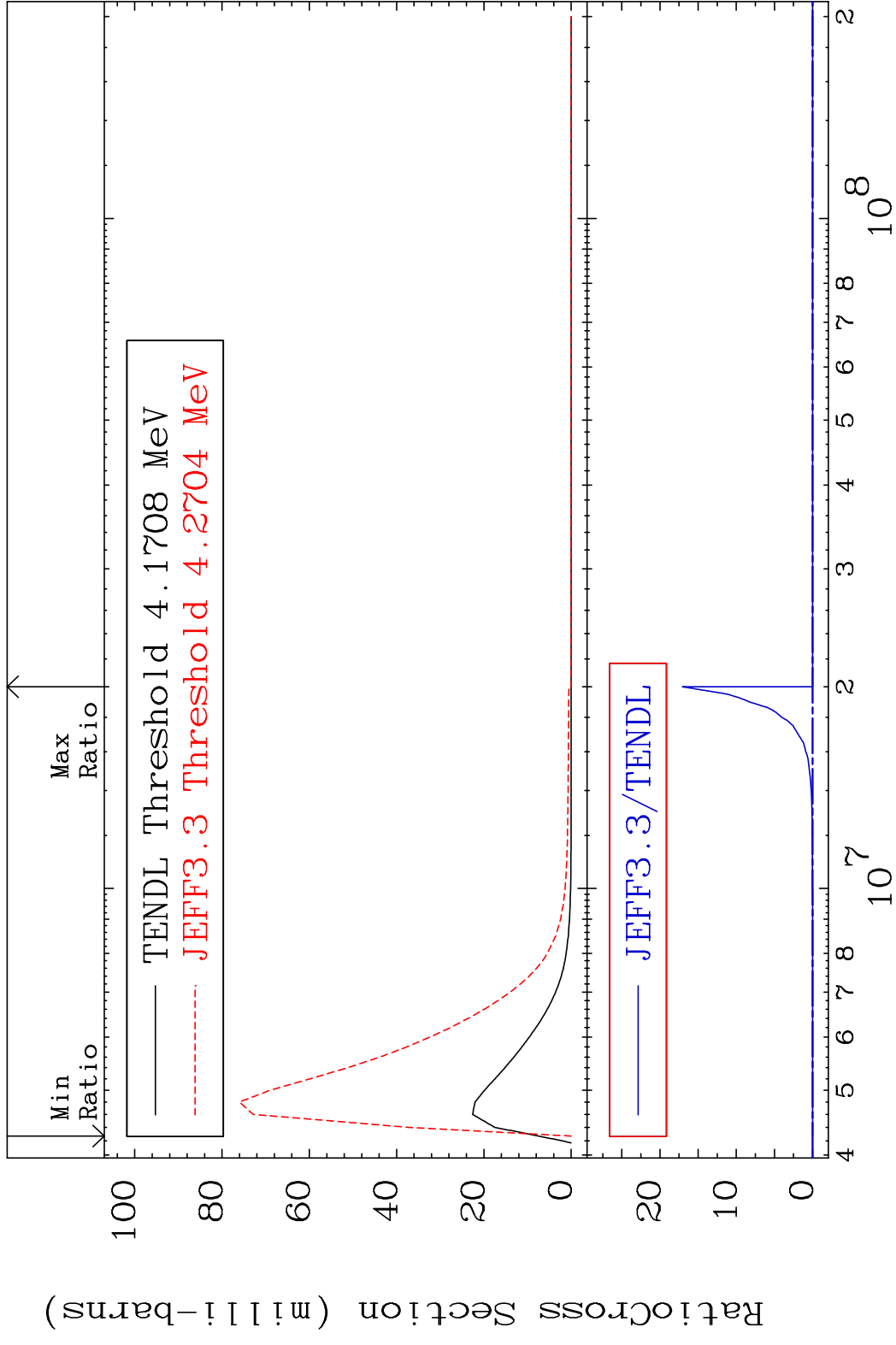
MAT 4025 MT= 63 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 179.7 %



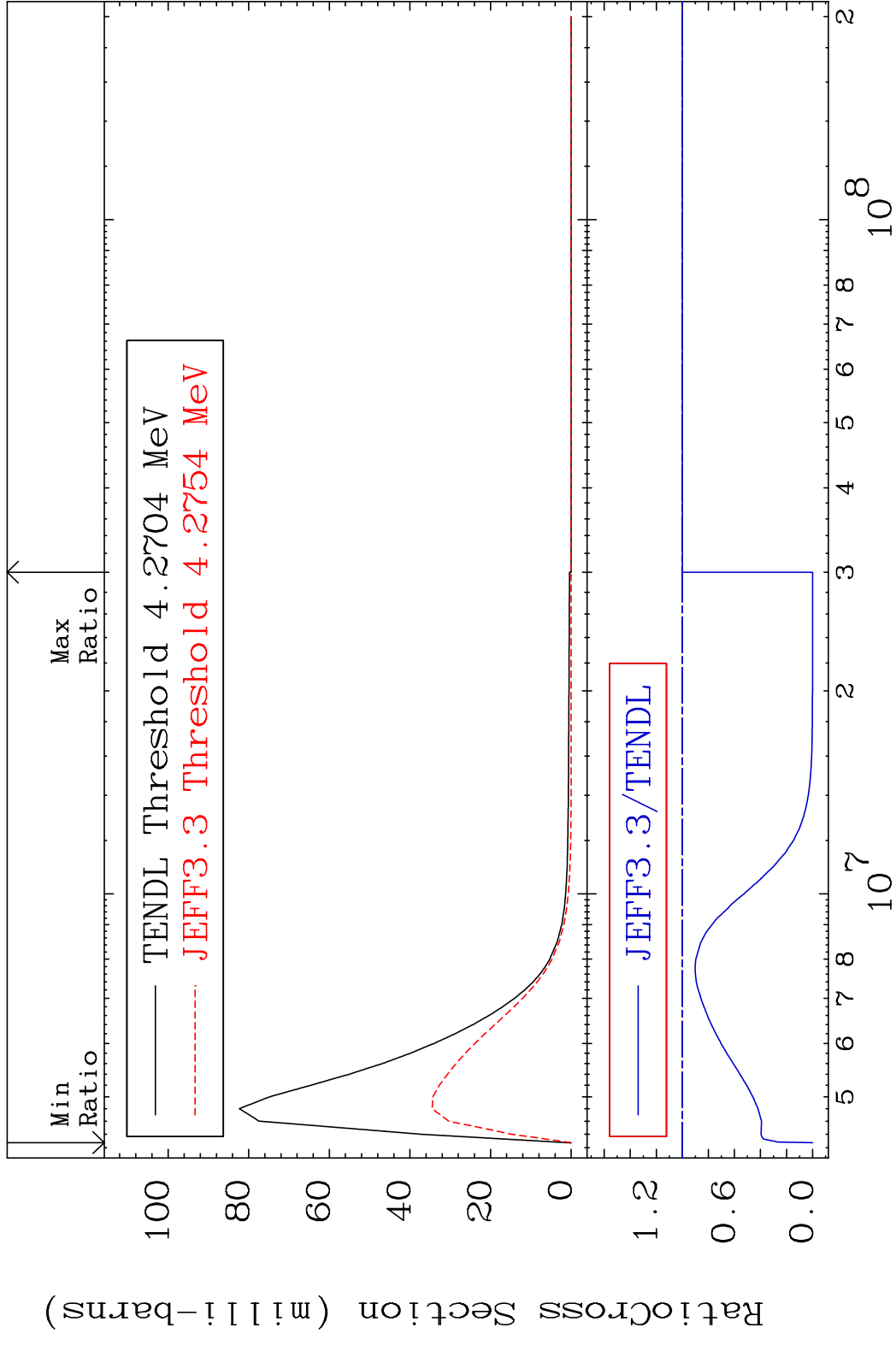
MAT 4025 MT= 64 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 0.000 %



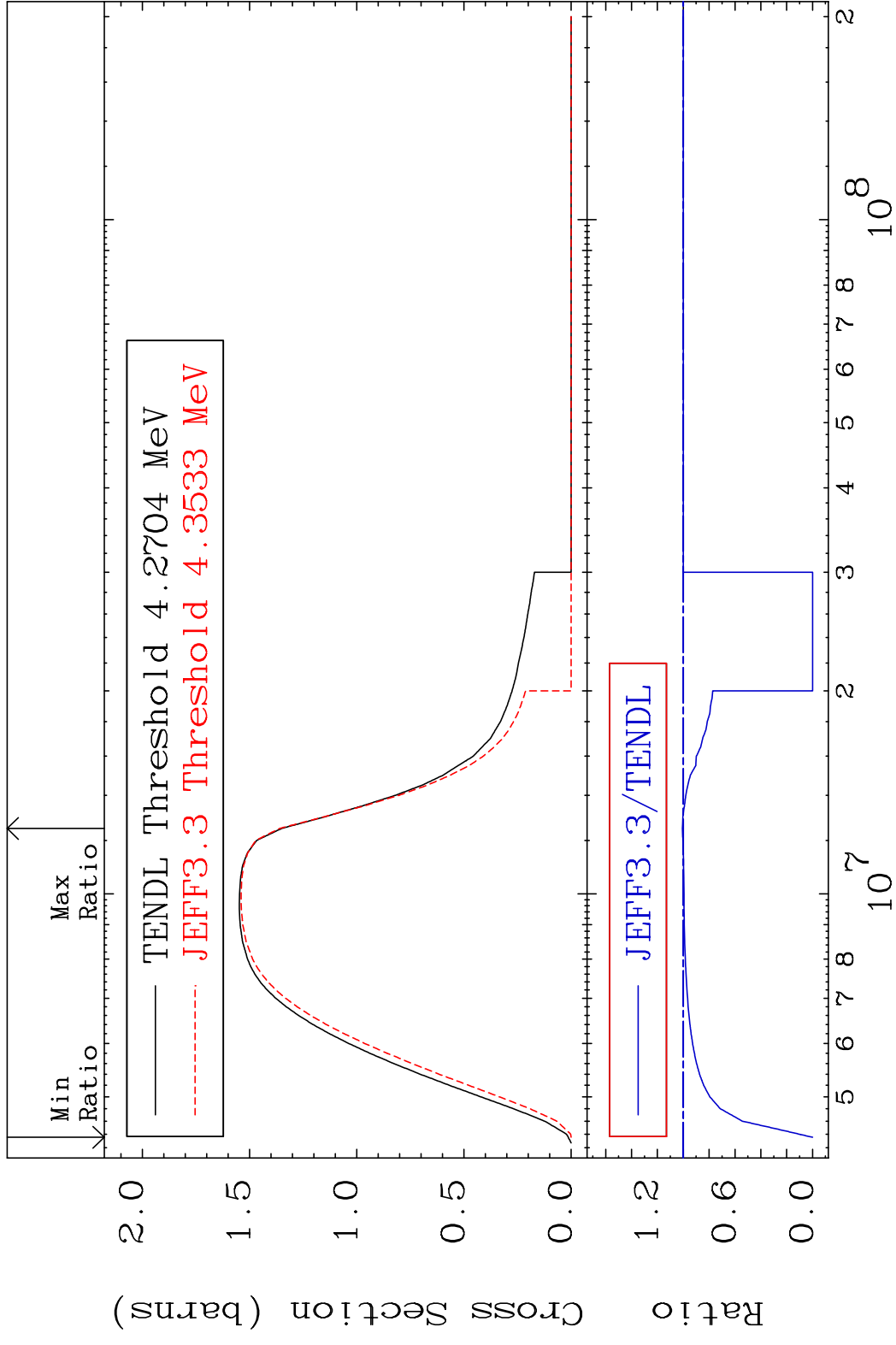
MAT 4025 MT= 65 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 9999. %



MAT 4025 MT= 66 (n, n') Level 40-Zr-90
 Cross Section -100.0 To 0.000 %



MAT 4025 (n,n') Continuum 40-Zr-90
 Cross Section -100.0 To 0.690 %

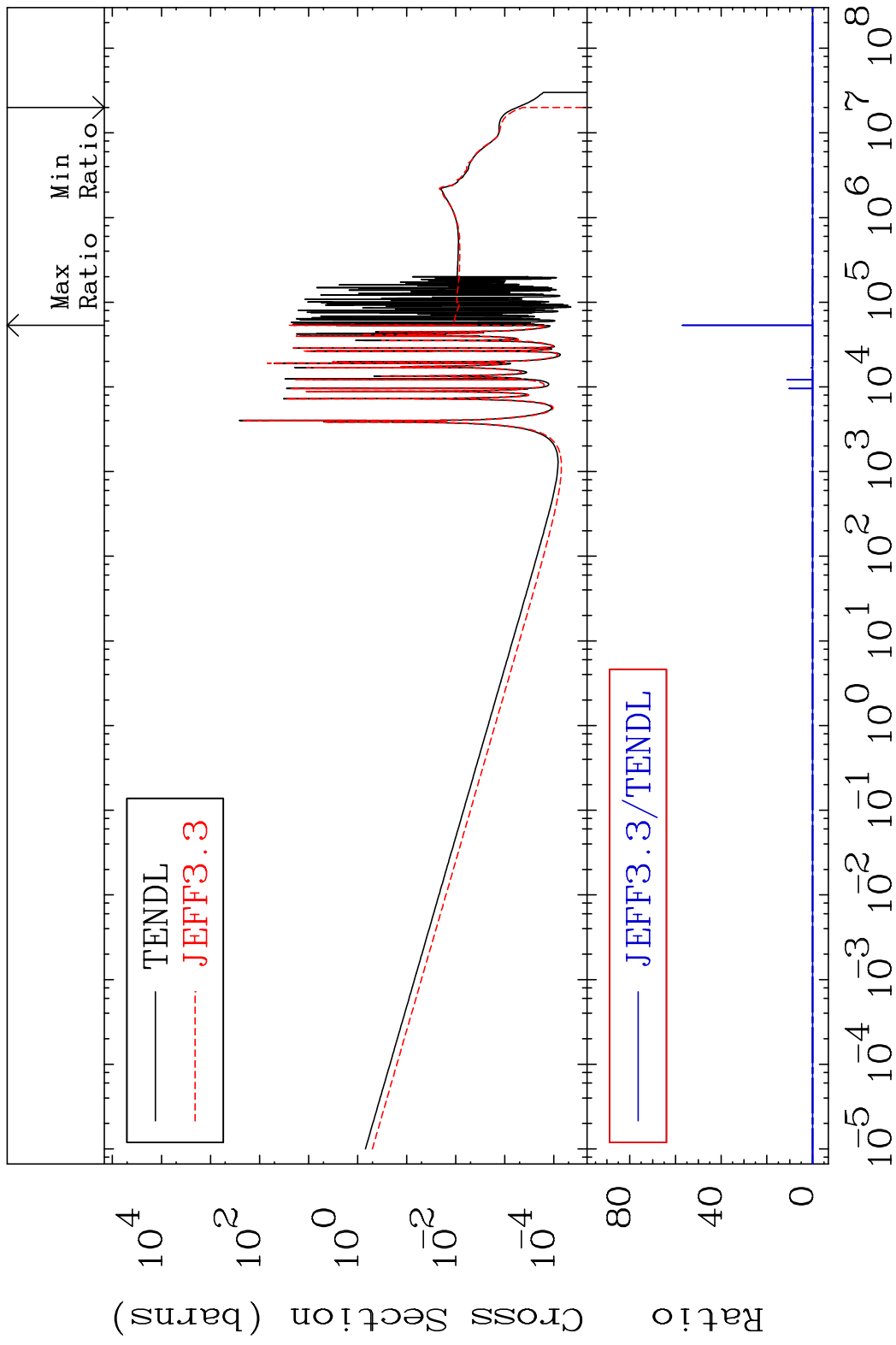


MAT 4025

(n, γ)

40-Zr-90

Cross Section -100.0 To 9999. %

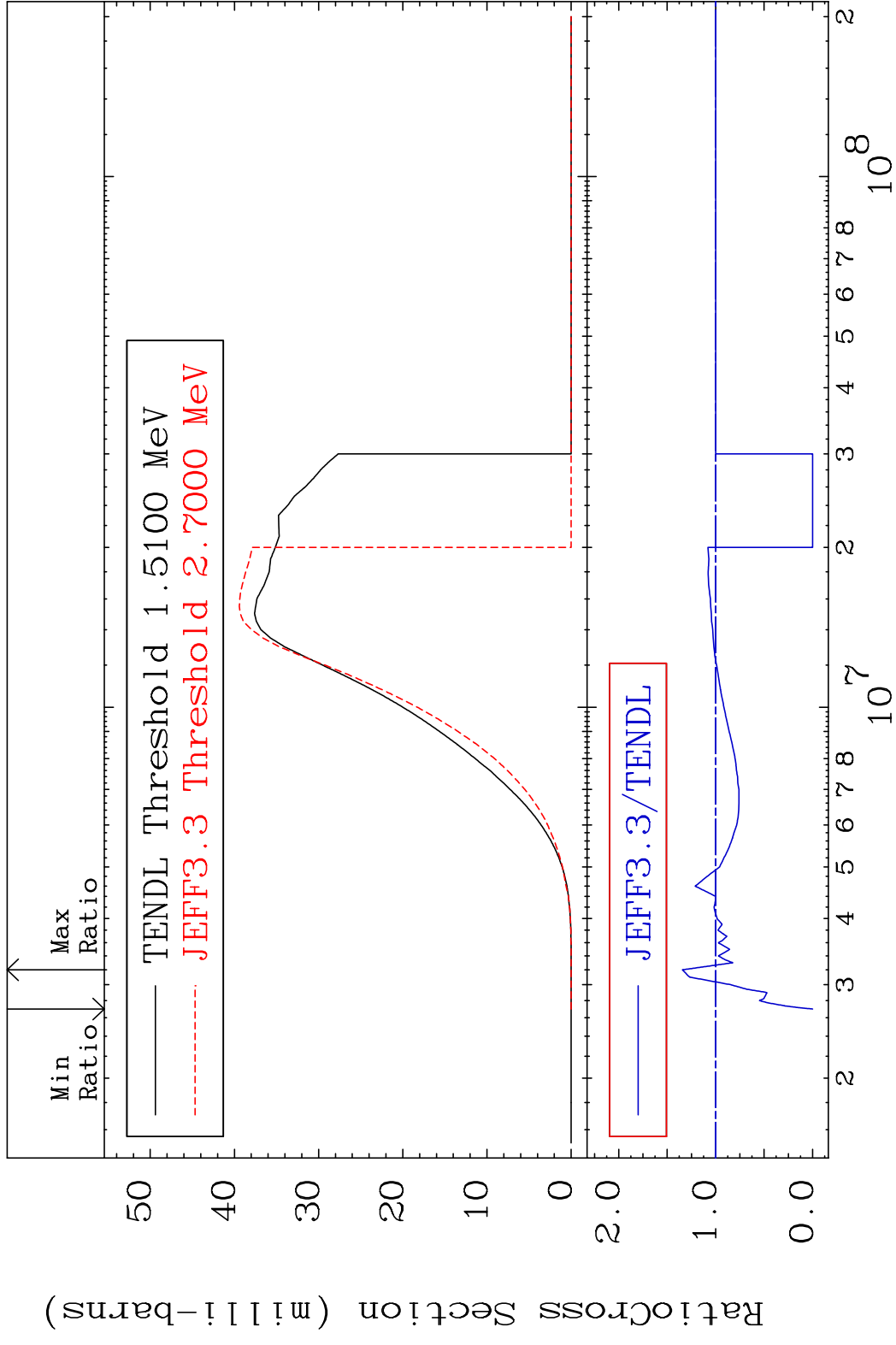


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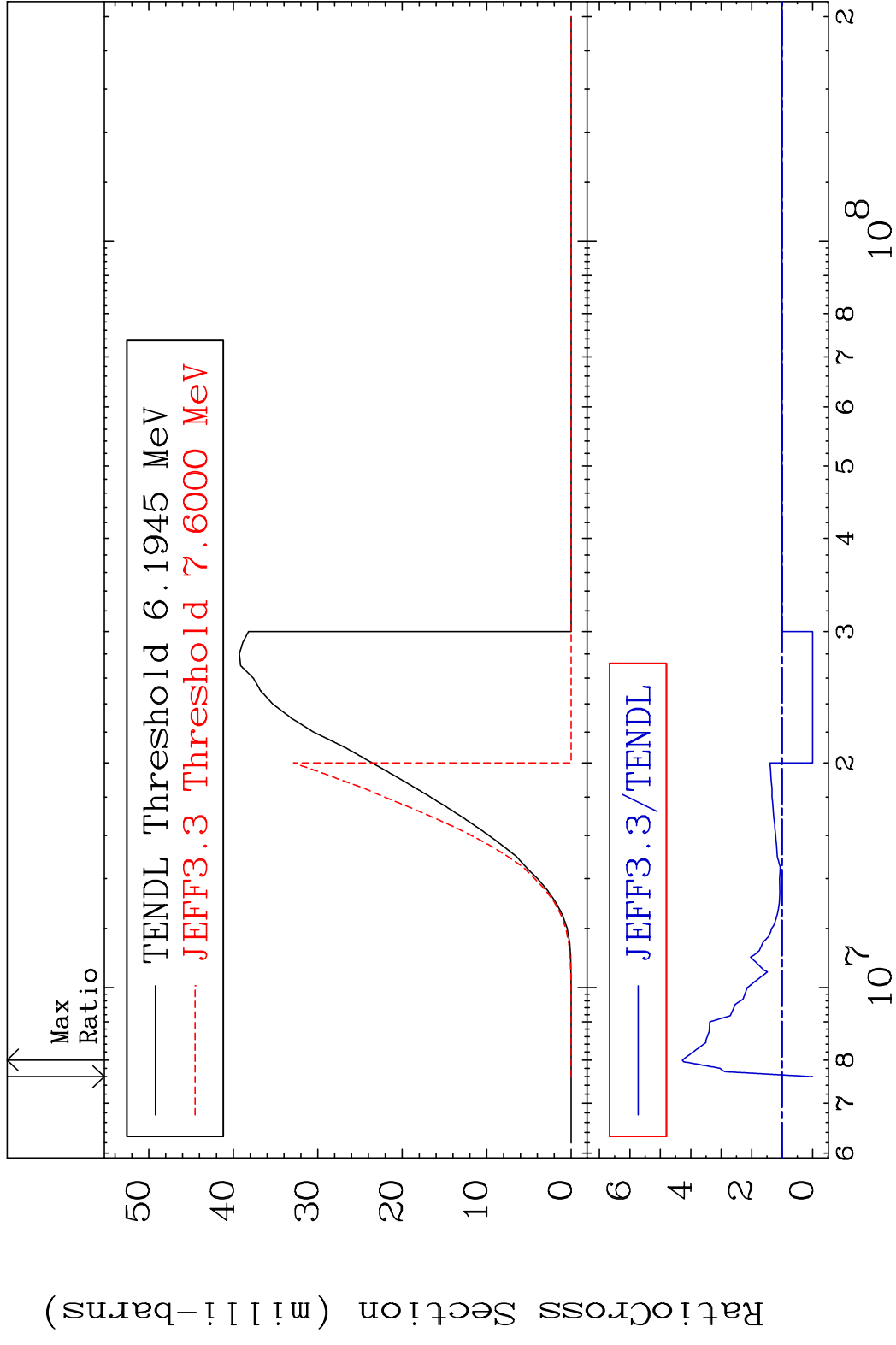
Incident Energy (eV)

40-Zr-90

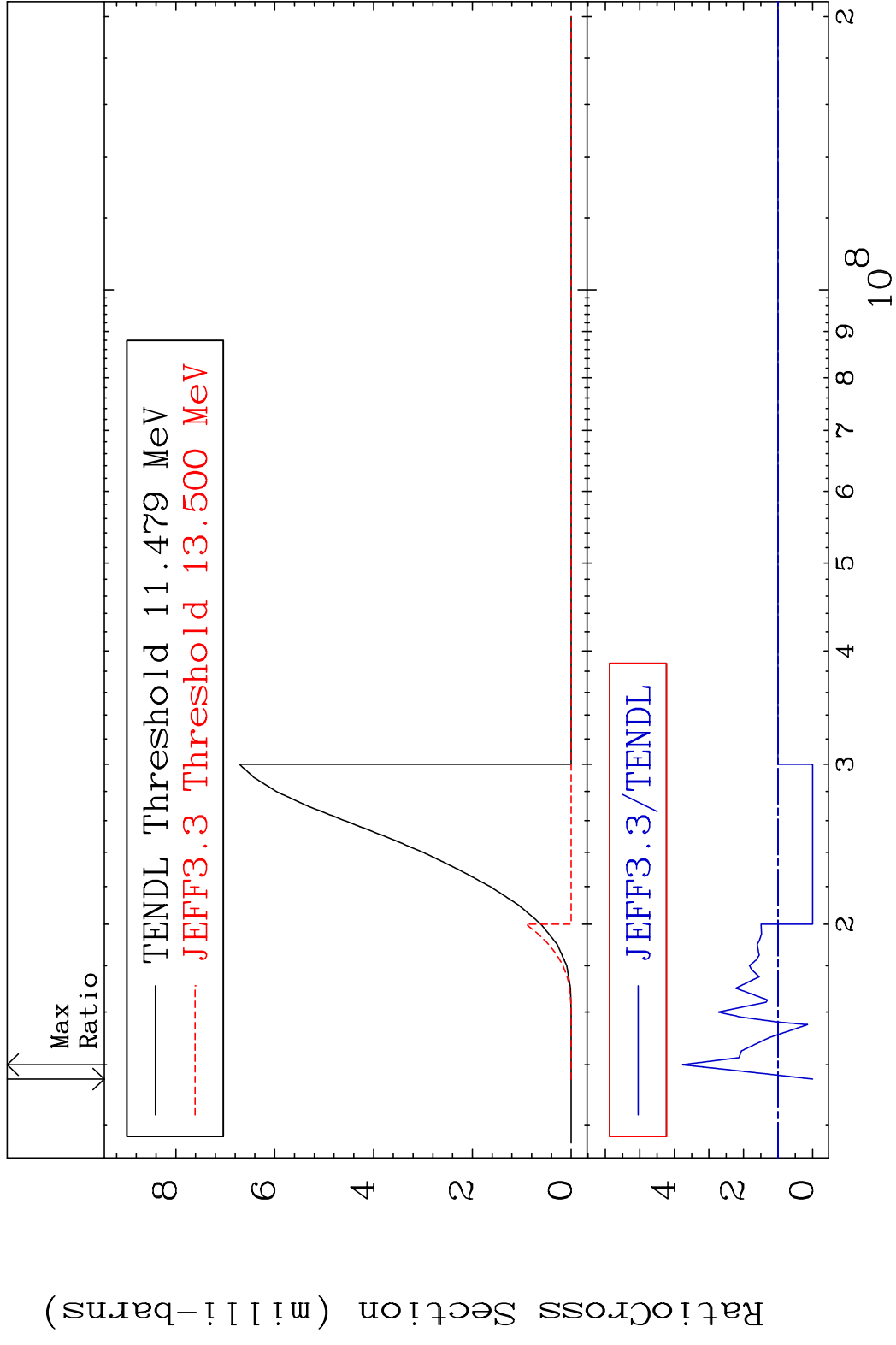
MAT 4025 (n,p) 40-Zr-90
 Cross Section -100.0 To 34.35 %



MAT 4025 (n,d) 40-Zr-90
 Cross Section -100.0 To 327.8 %

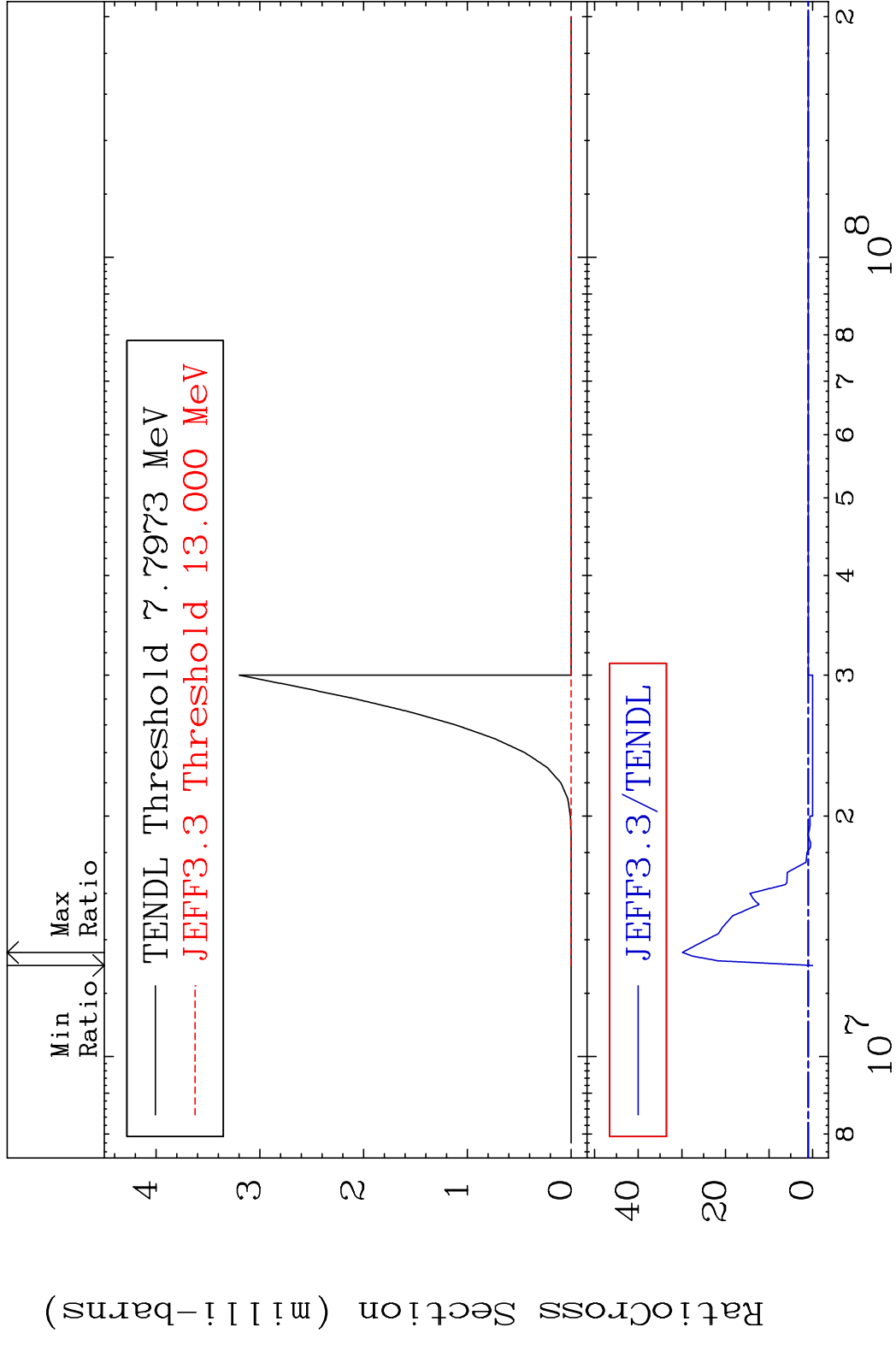


MAT 4025 (n, t) 40-Zr-90
 Cross Section -100.0 To 276.9 %



28 Incident Energy (eV) 40-Zr-90

MAT 4025 (n, He-3) 40-Zr-90
 Cross Section -100.0 To 2888. %



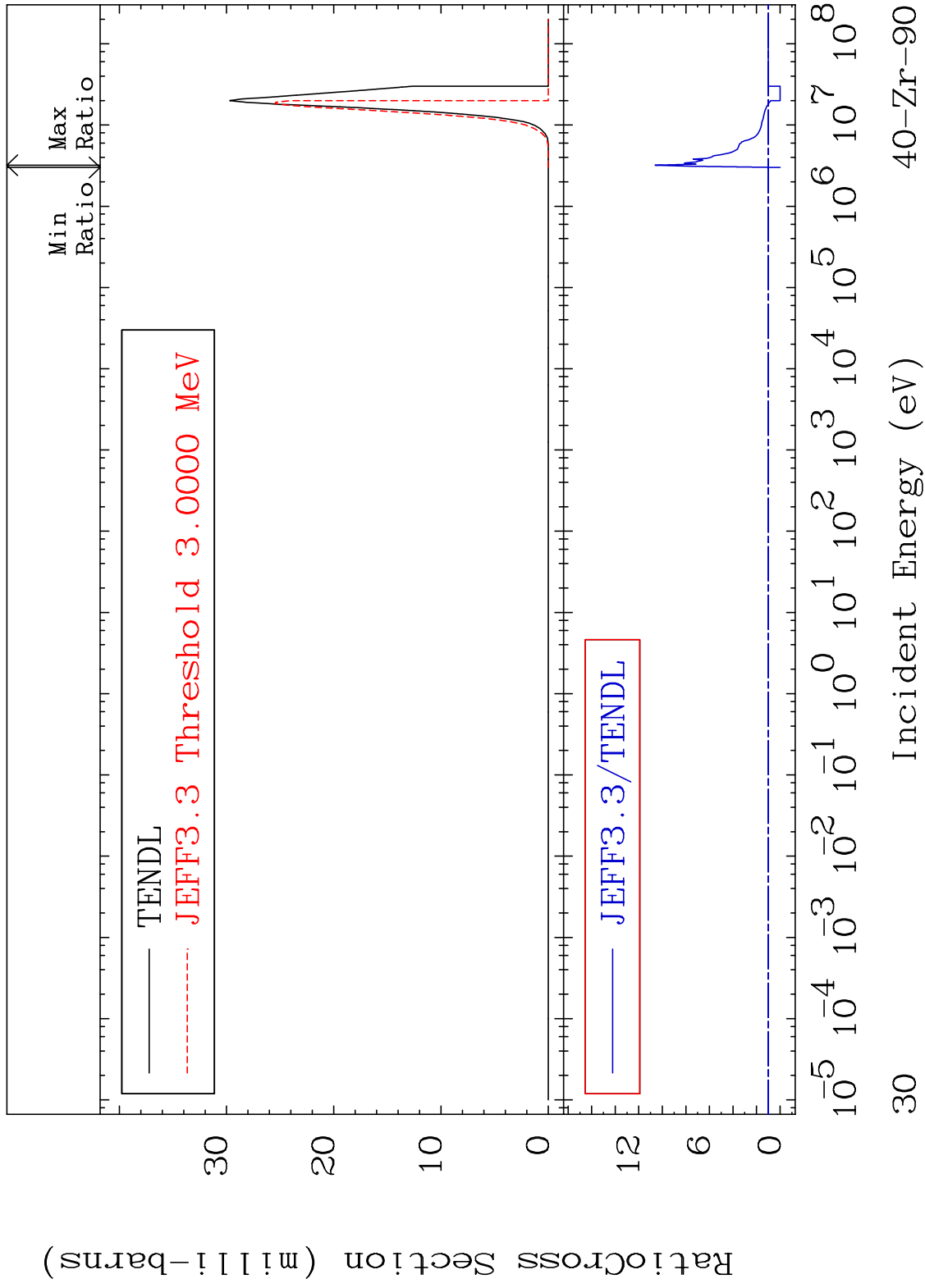
29 40-Zr-90

MAT 4025

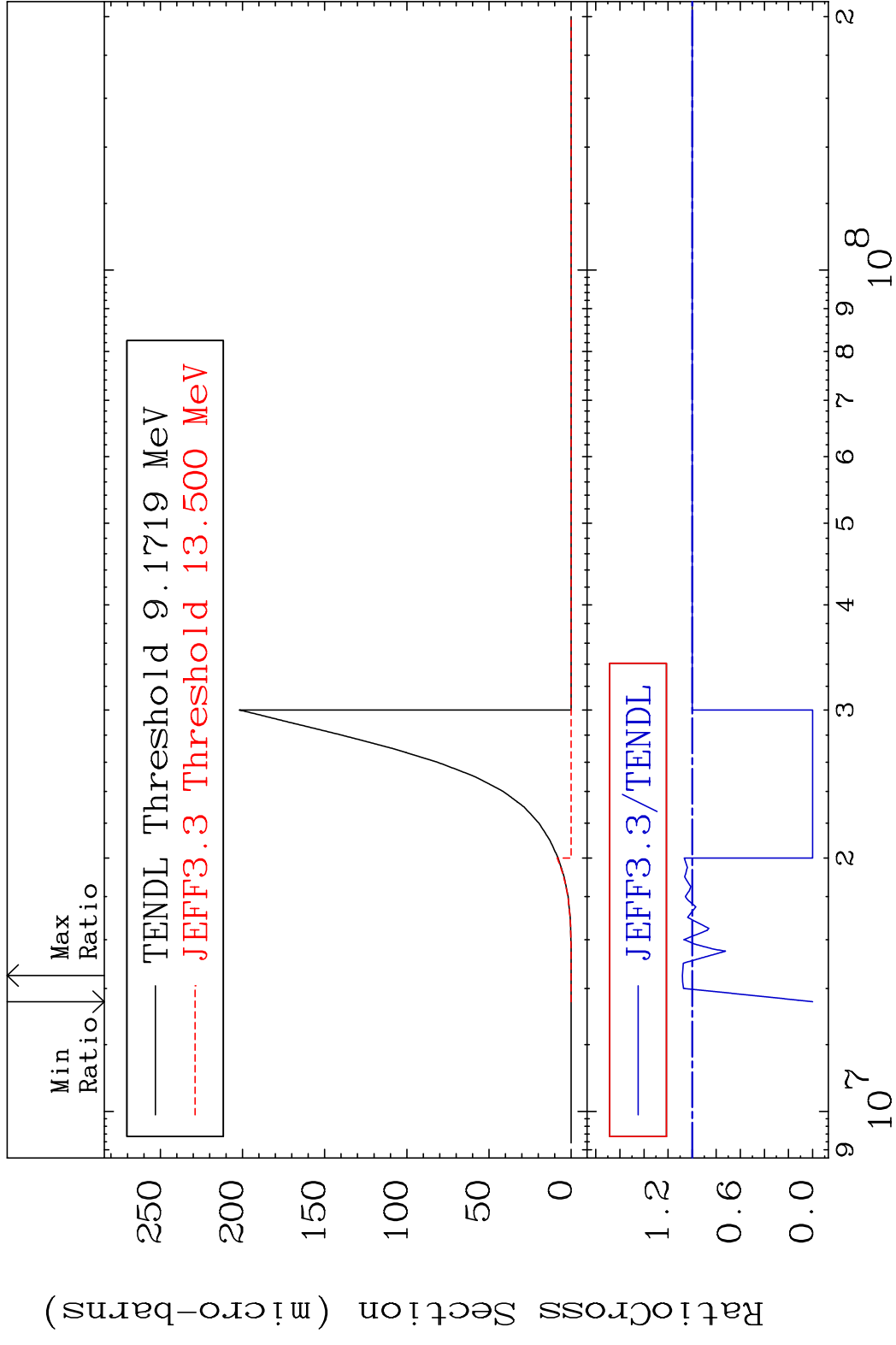
(n, α)

40-Zr-90

Cross Section -100.0 To 961.6 %

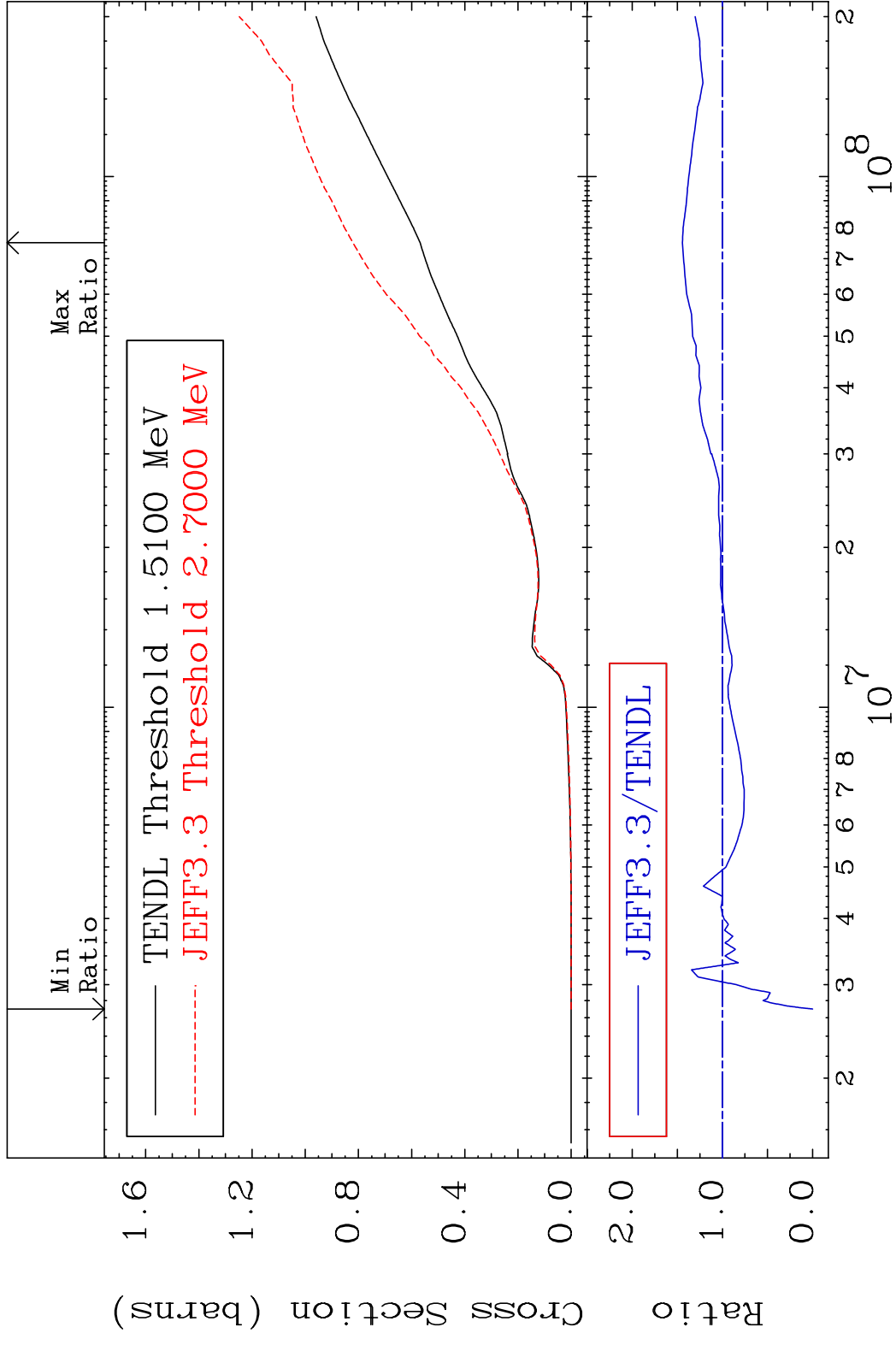


MAT 4025 (n,2p) 40-Zr-90
 Cross Section -100.0 To 8.133 %

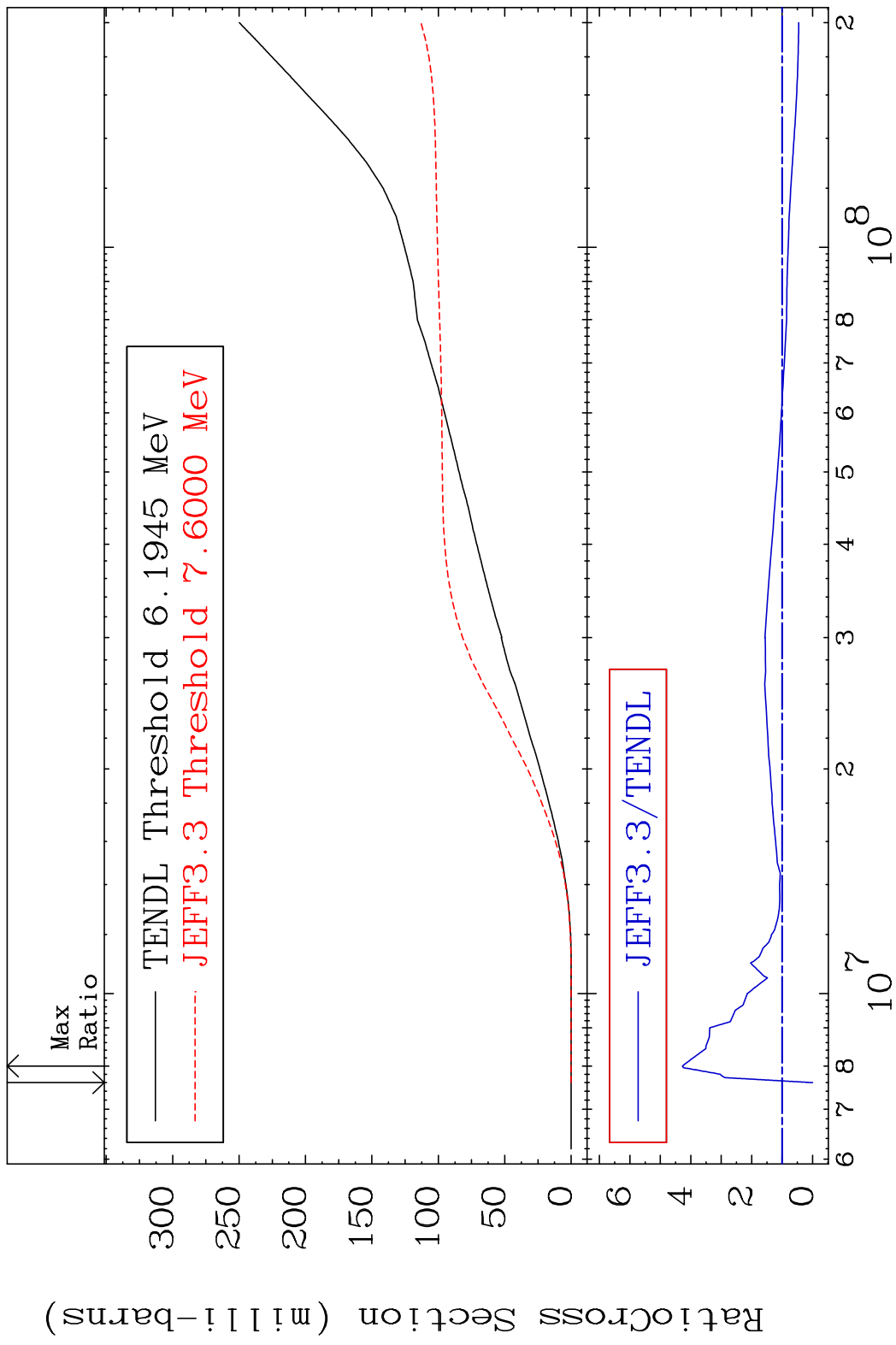


31 Incident Energy (eV) 40-Zr-90

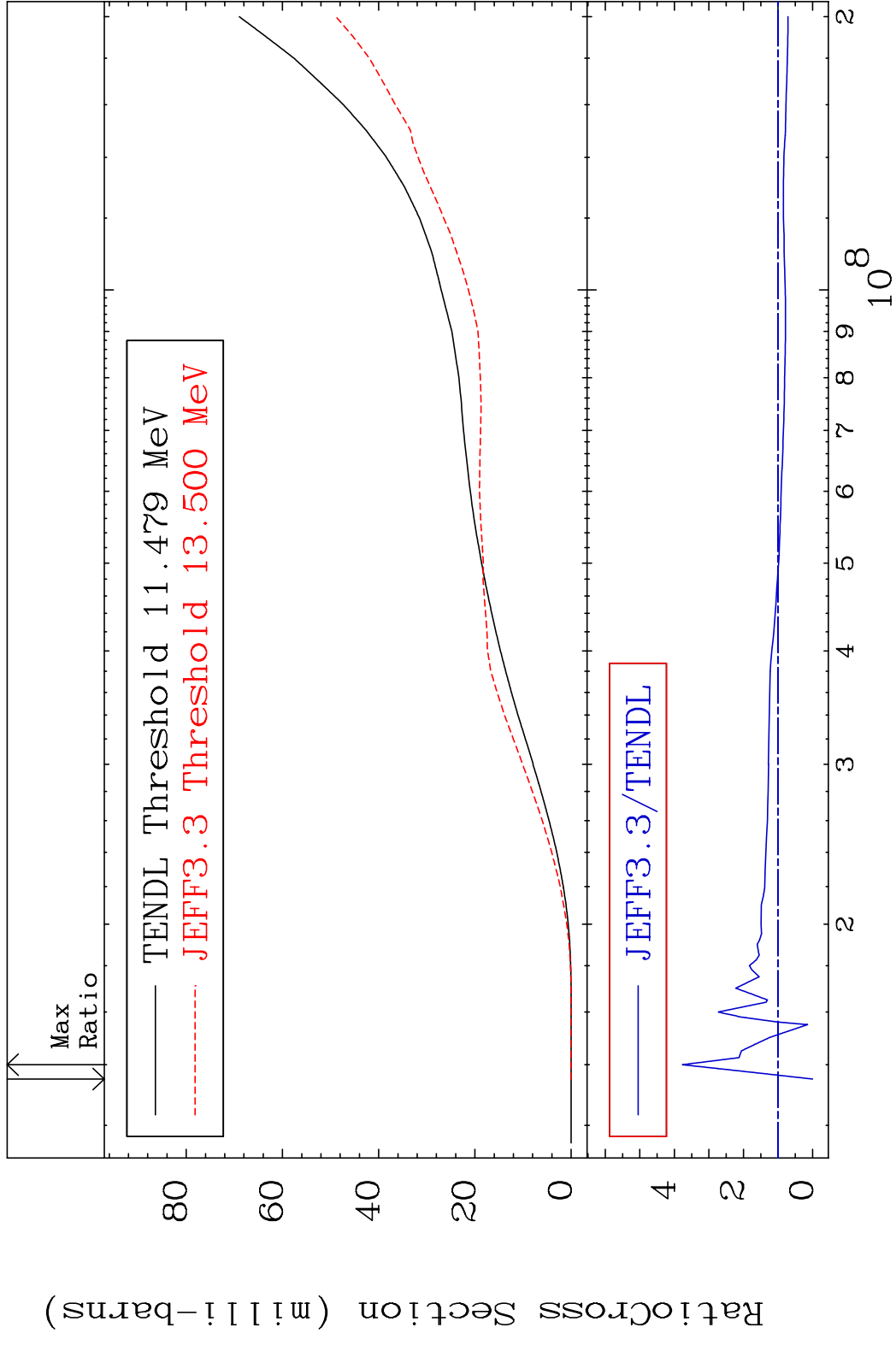
MAT 4025 Hydrogen Production 40-Zr-90
 Cross Section -100.0 To 44.44 %



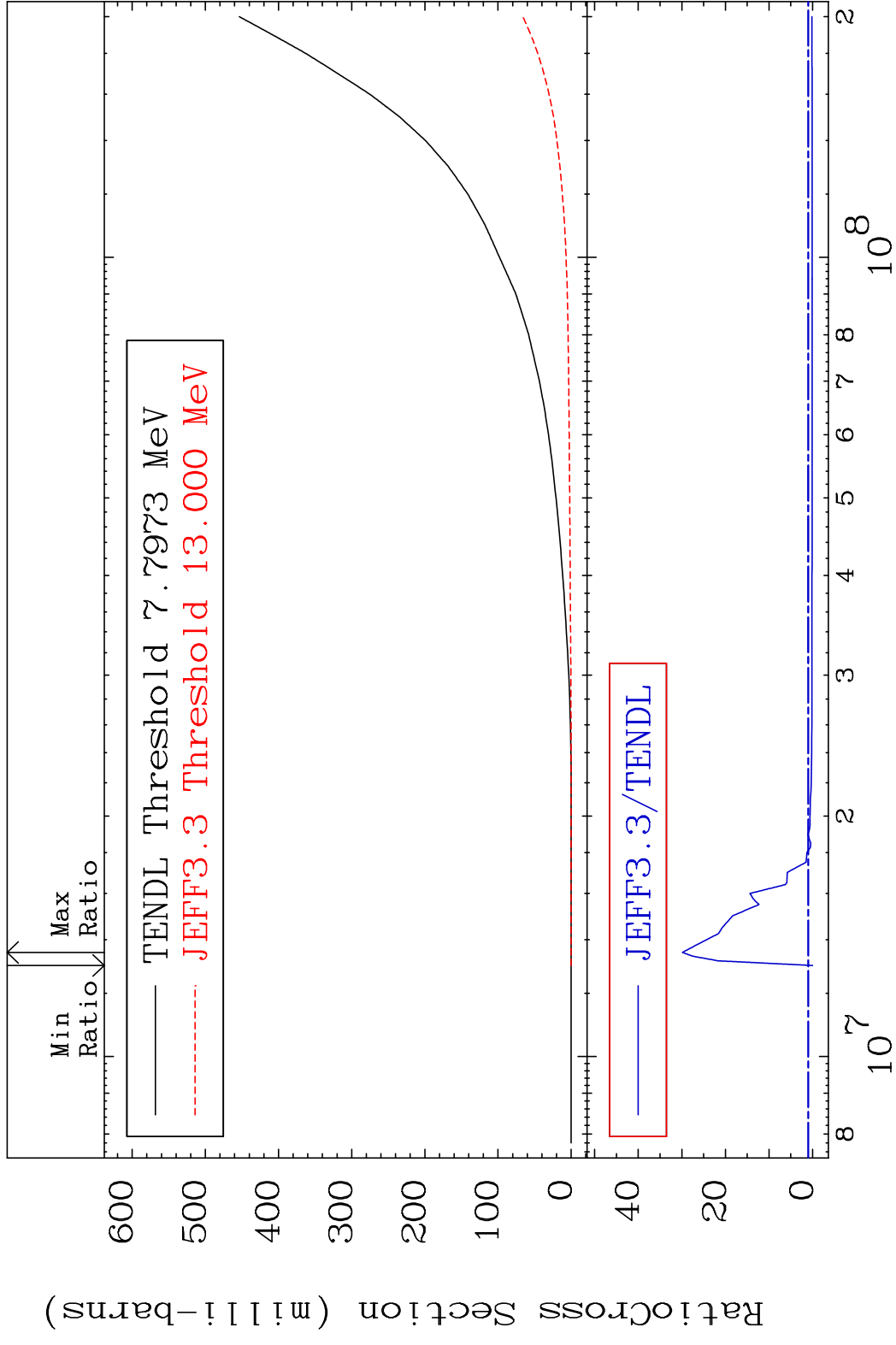
MAT 4025 Deuterium Production 40-Zr-90
 Cross Section -100.0 To 327.8 %



MAT 4025 Tritium Production 40-Zr-90
 Cross Section -100.0 To 276.9 %



MAT 4025 He-3 Production 40-Zr-90
 Cross Section -100.0 To 2888. %



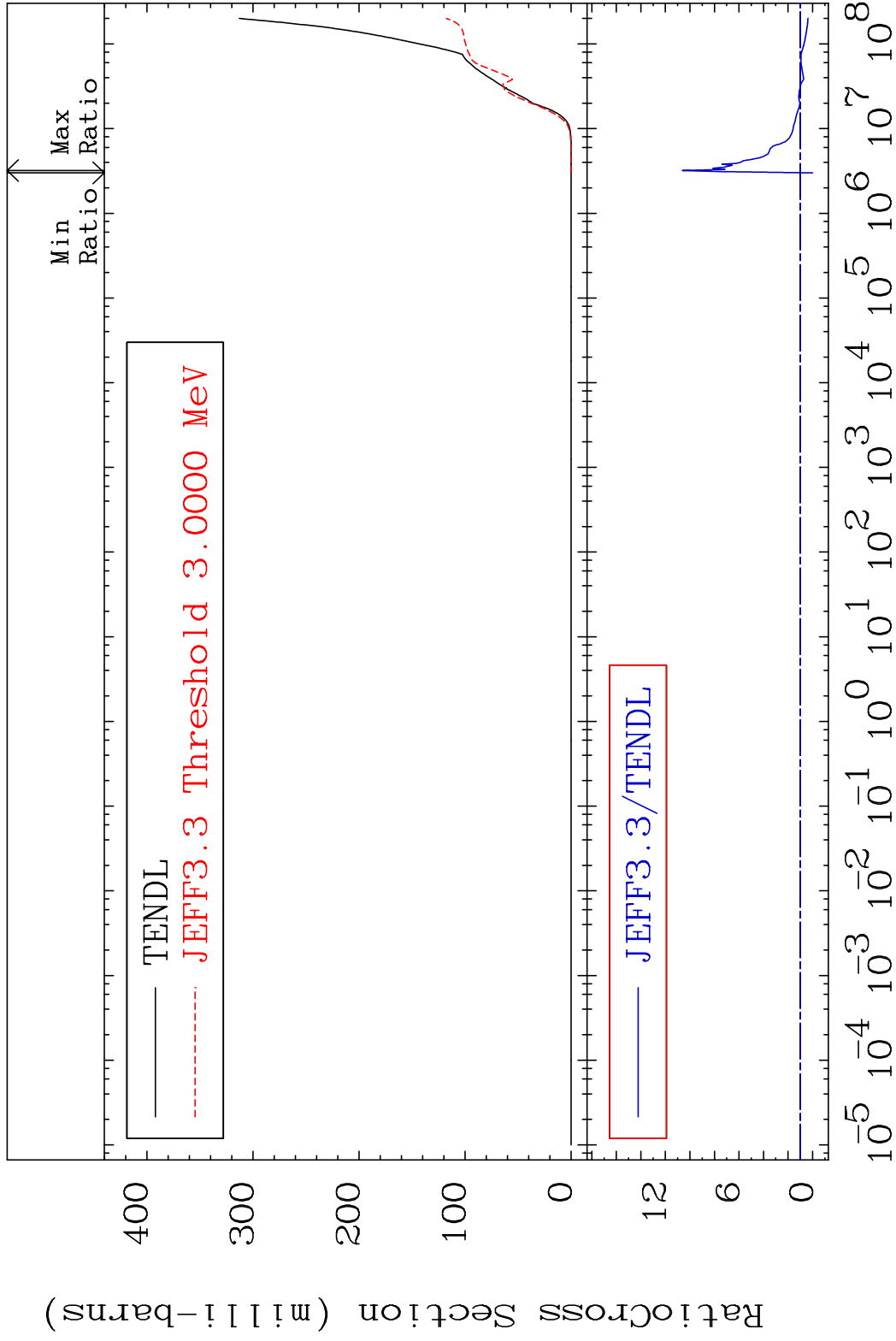
35 Incident Energy (eV) 40-Zr-90

MAT 4025

He-4 Production

40-Zr-90

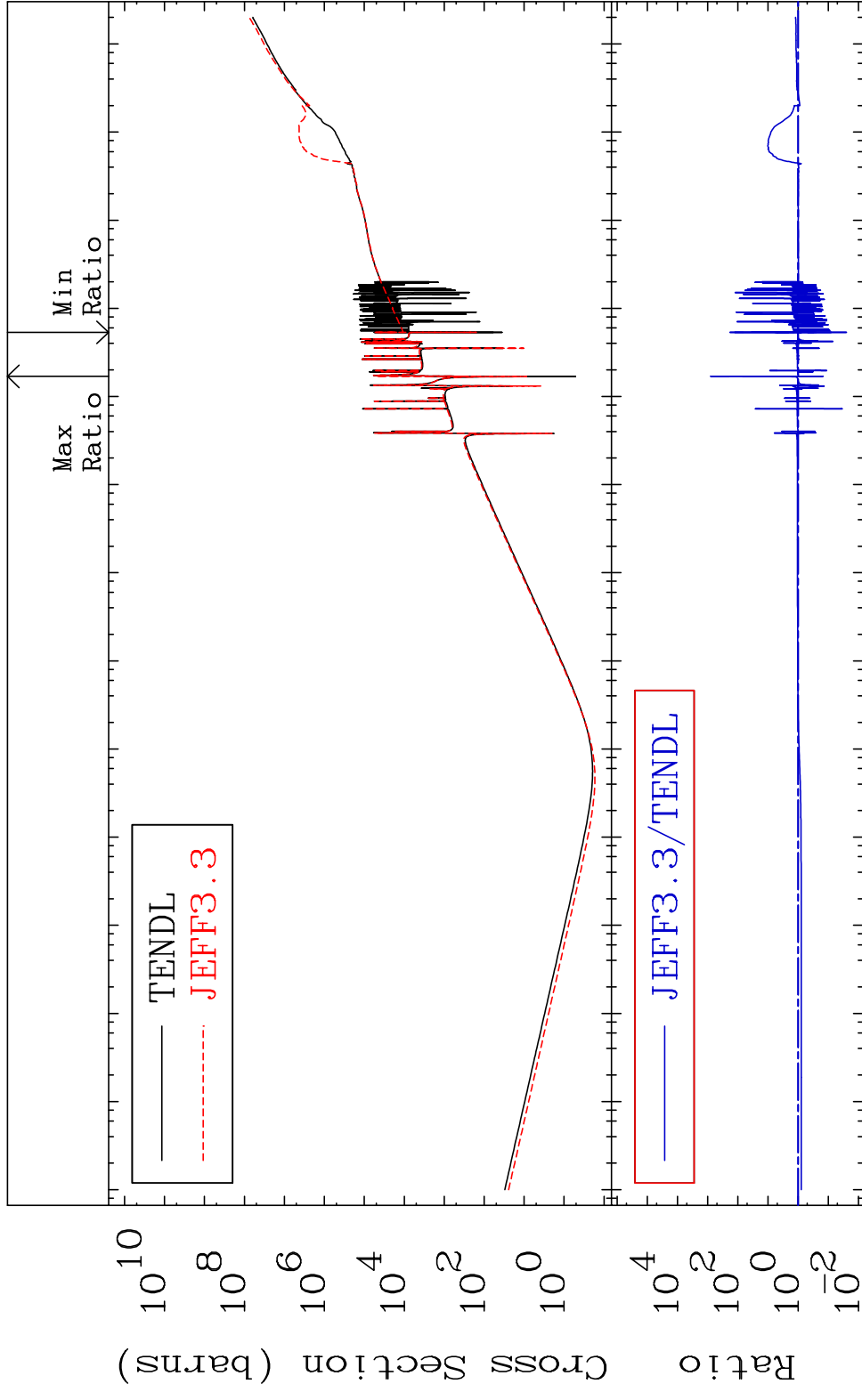
Cross Section -100.0 To 961.6 %



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MAT 4025

Kerma total (eV-barns) 40-Zr-90
Cross Section -97.46 To 9999. %

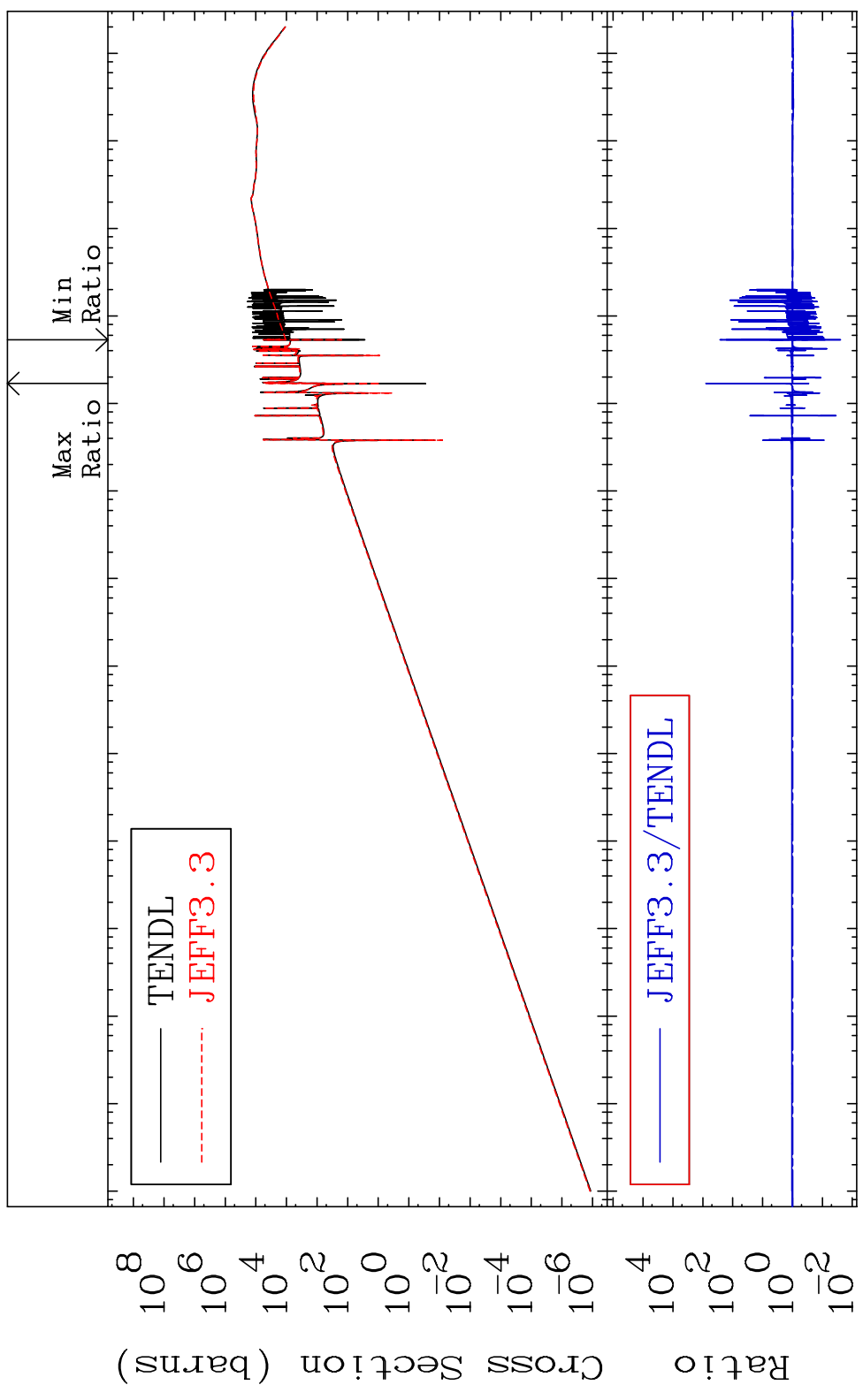


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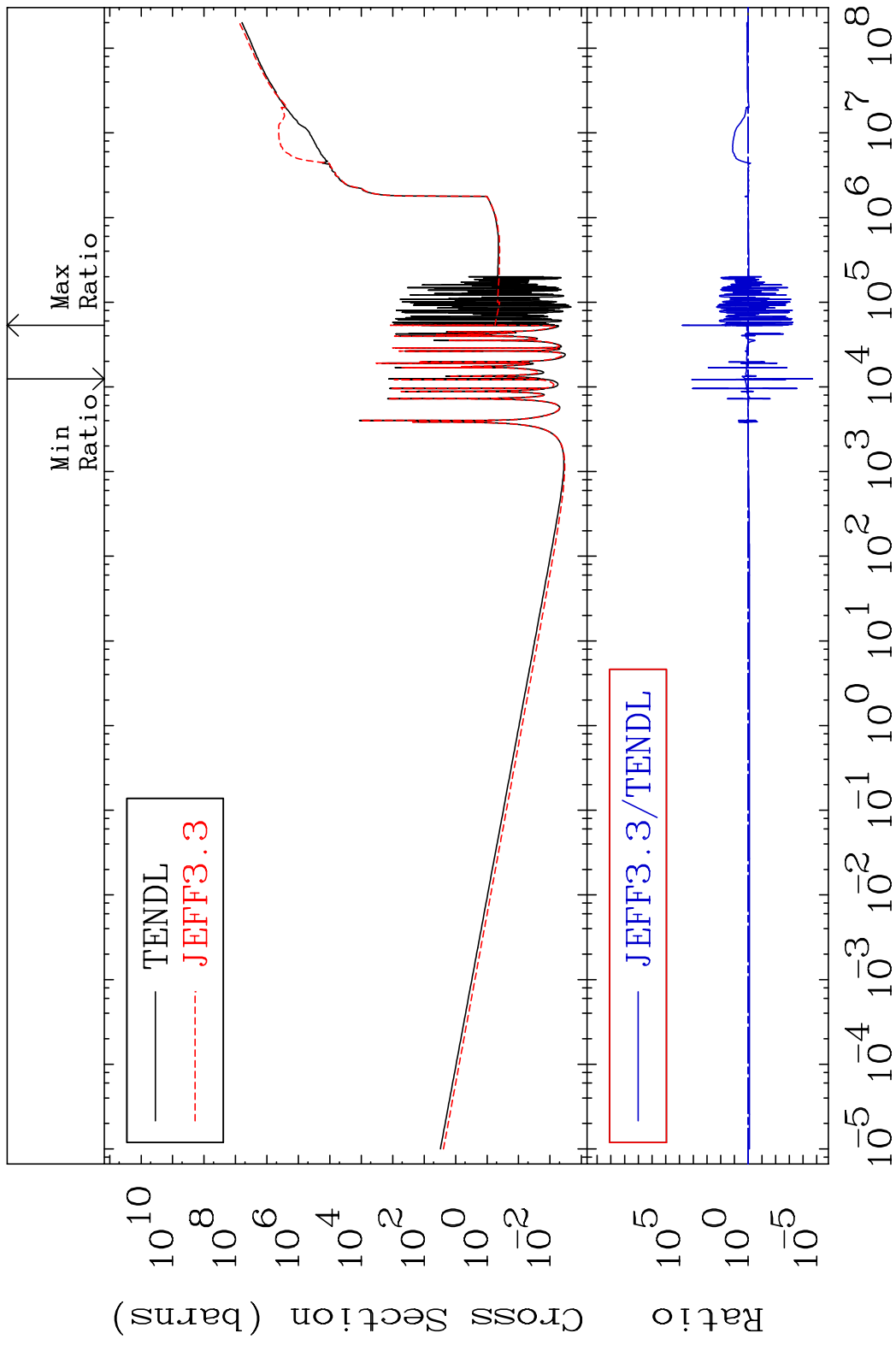
Incident Energy (eV) 40-Zr-90

MAT 4025

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

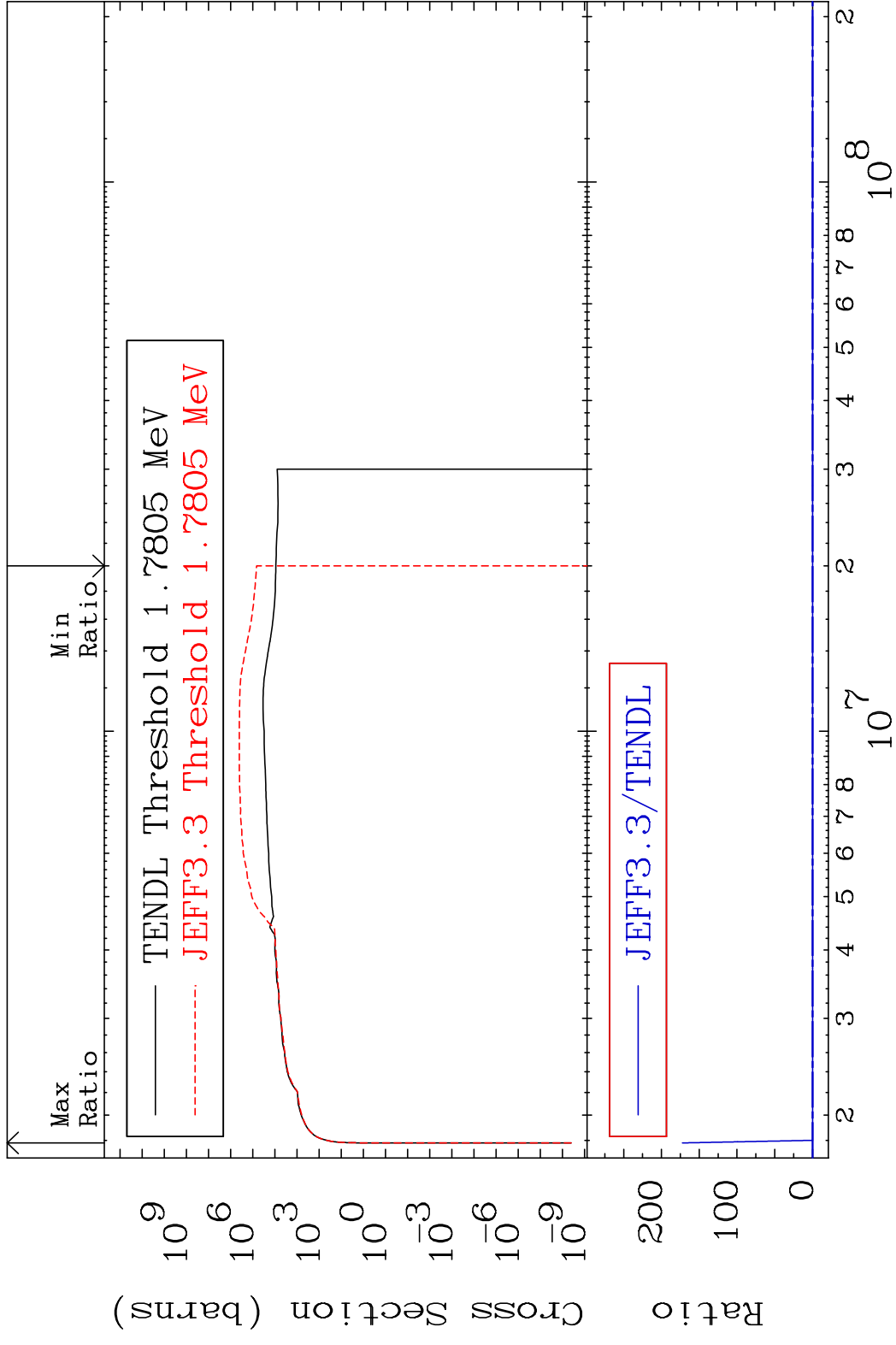


MAT 4025 Kerma non-elastic (all but mt2) 40-Zr-90
 Cross Section -100.0 To 9999. %



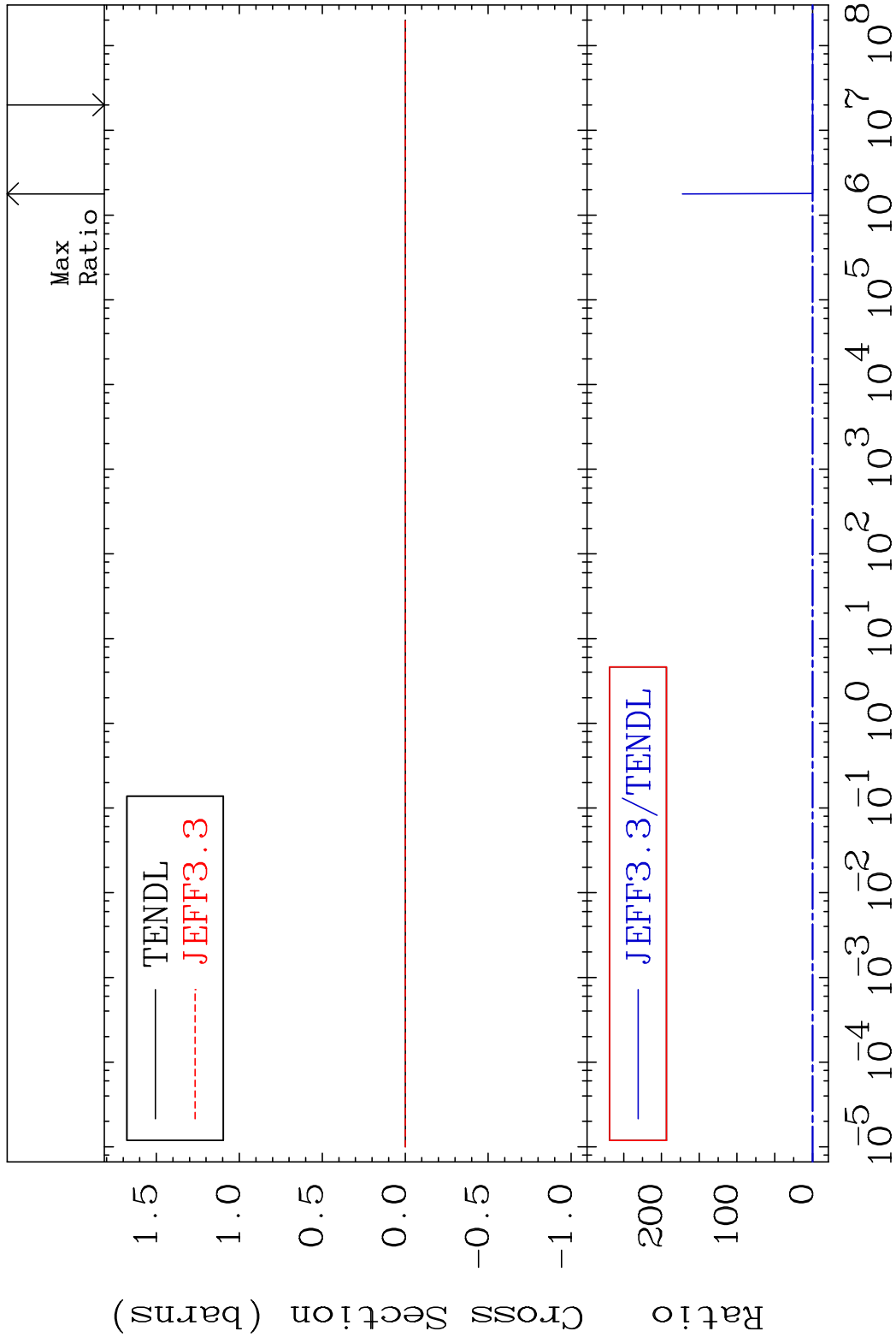
39 Incident Energy (eV) 40-Zr-90

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



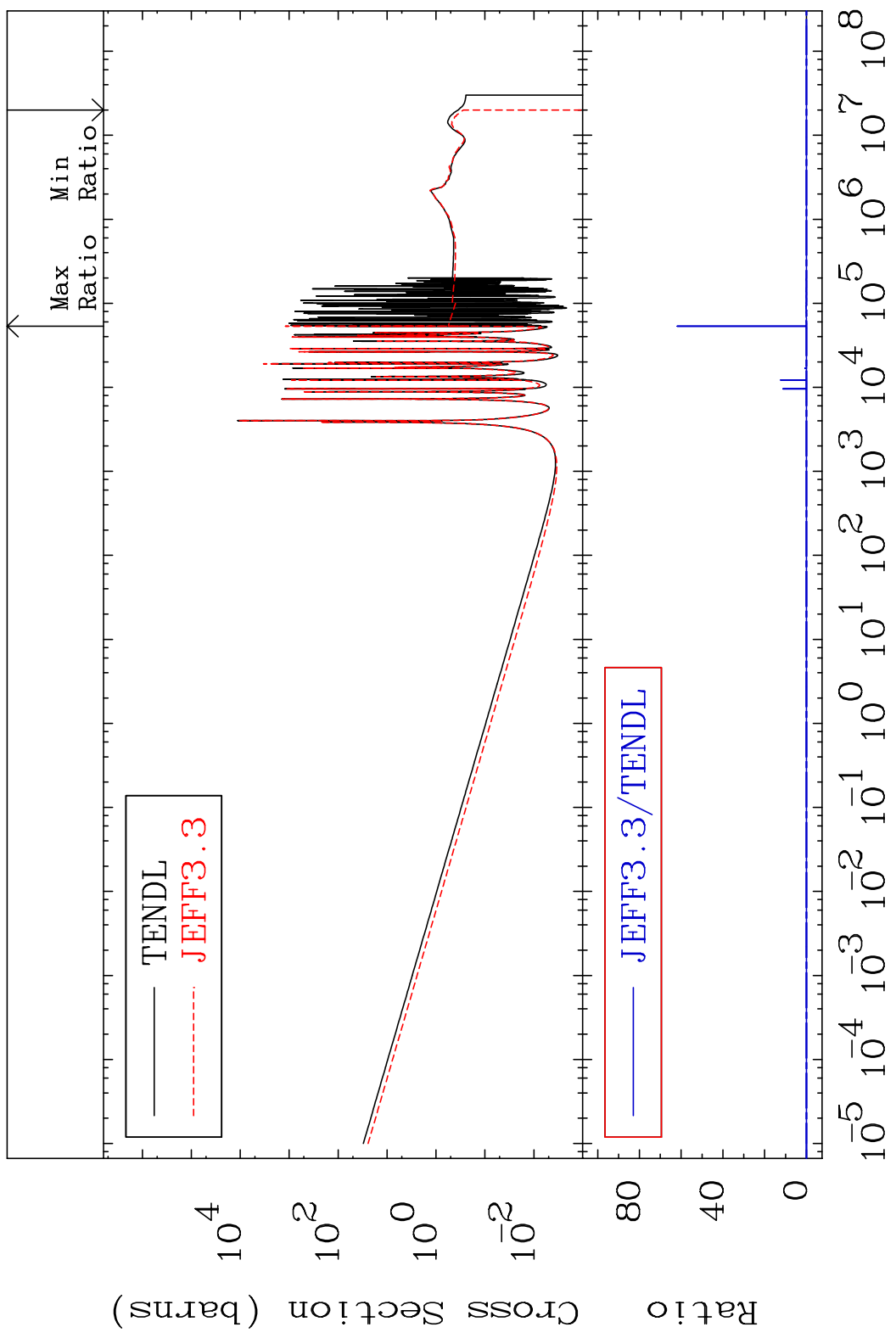
40 Incident Energy (eV) 40-Zr-90

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



MAT 4025

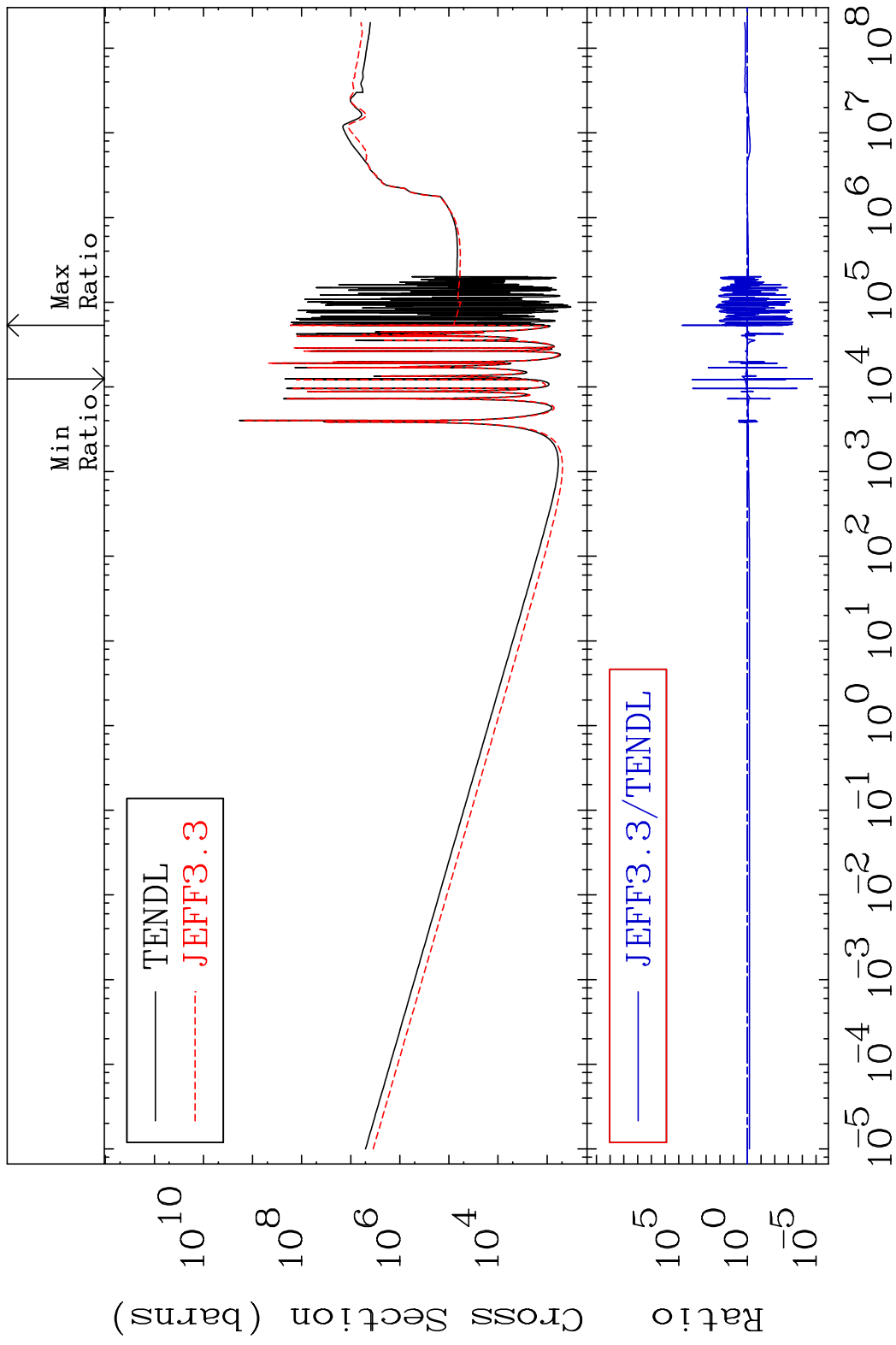
Kerma capture (mt102) 40-Zr-90
Cross Section -100.0 To 9999. %



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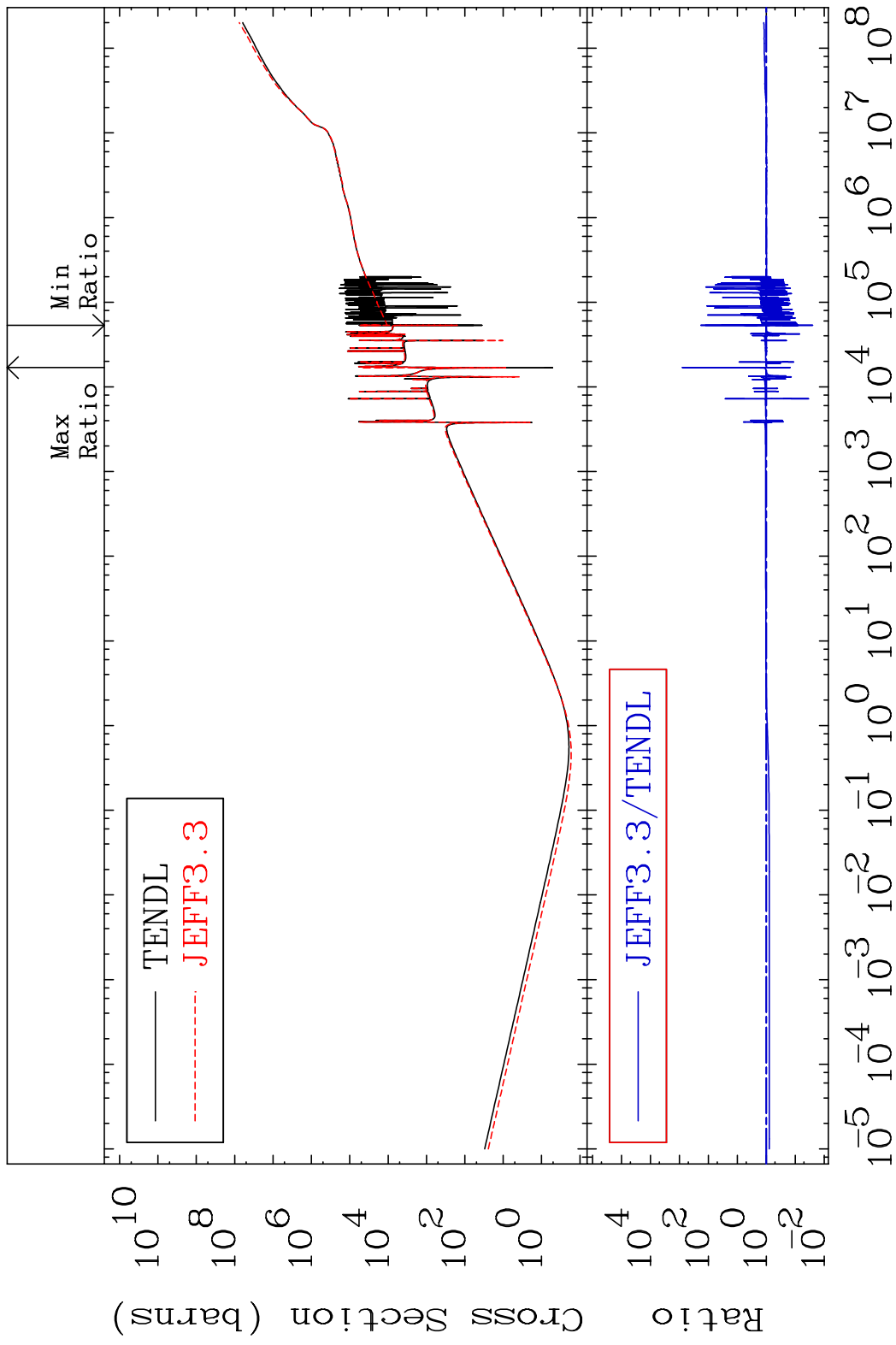
Incident Energy (eV) 40-Zr-90

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



43 Incident Energy (eV) 40-Zr-90

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

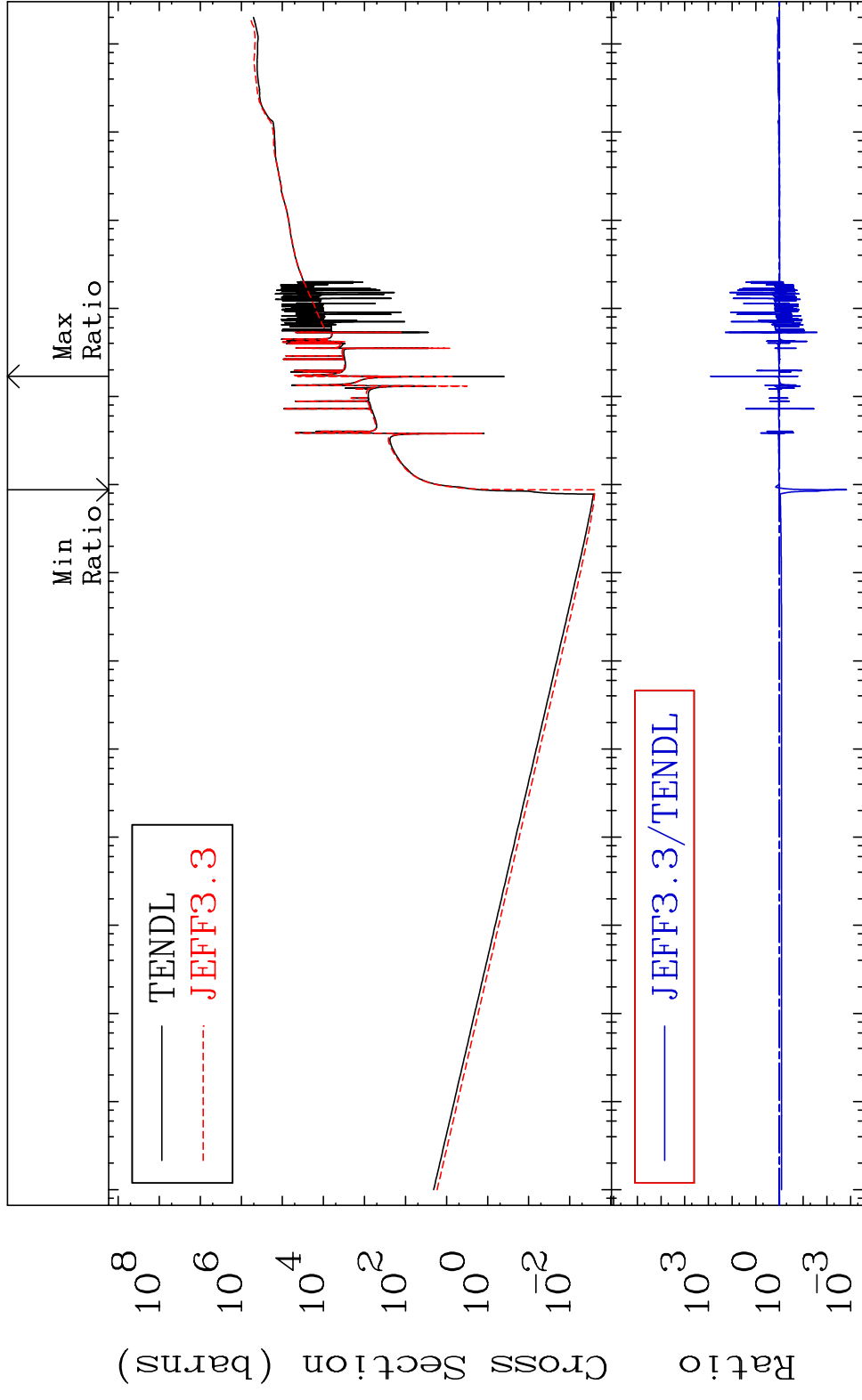


MAT 4025

Dpa total (eV-barns)

40-Zr-90

Cross Section -99.85 To 9999. %



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Incident Energy (eV)

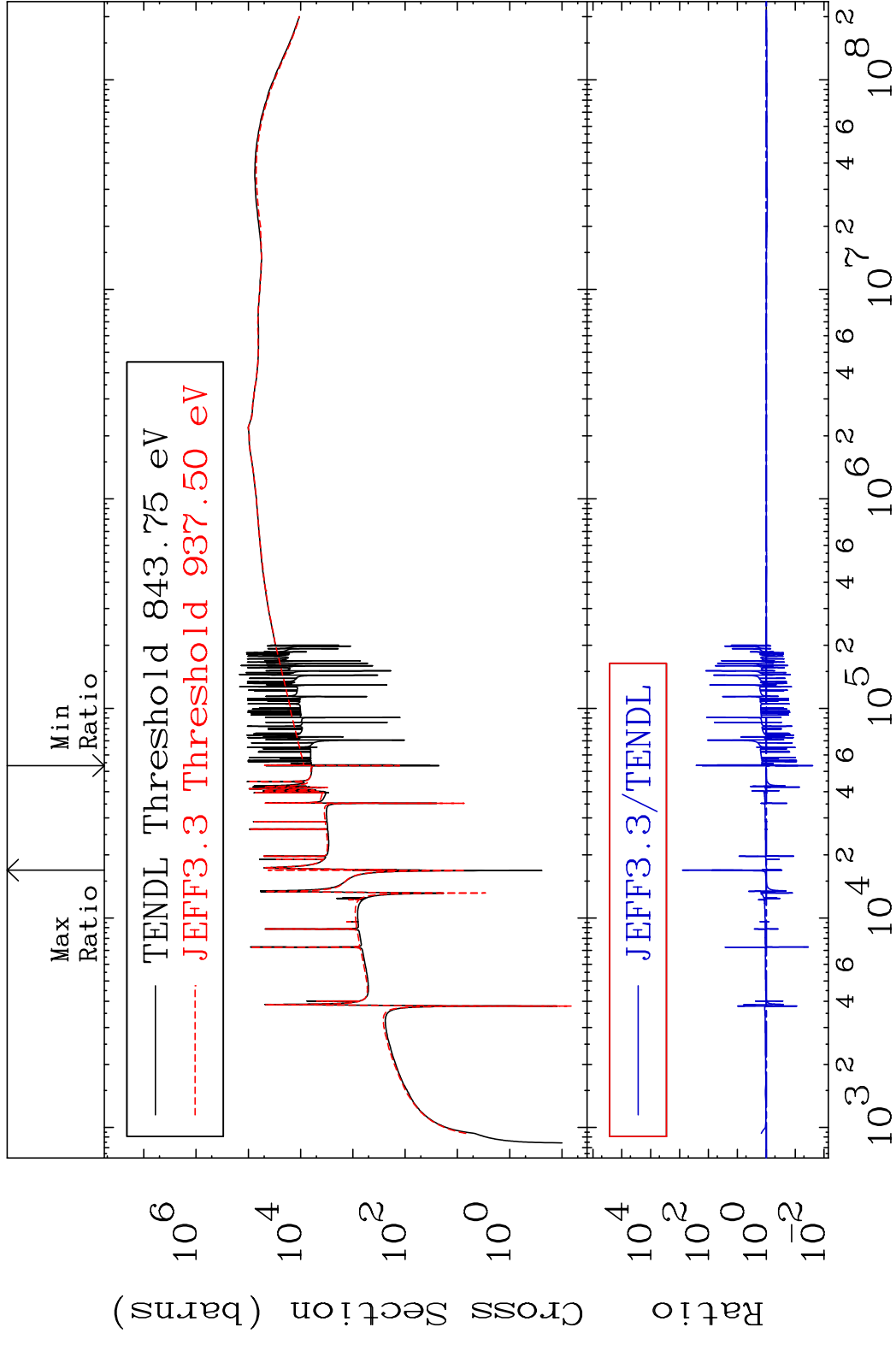
40-Zr-90

MAT 4025

Dpa elastic (mt2)

40-Zr-90

Cross Section -97.50 To 9999. %

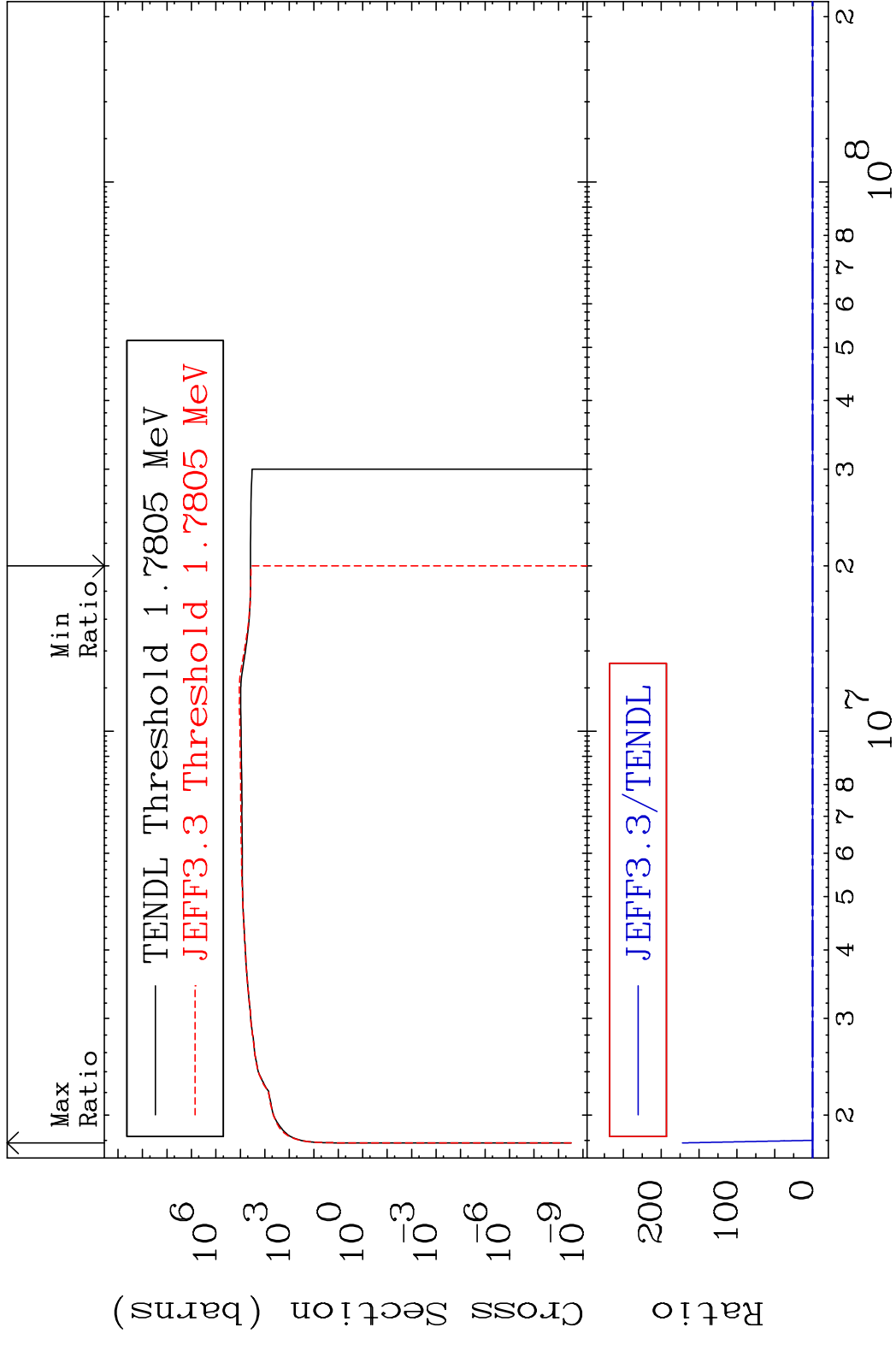


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Incident Energy (eV)

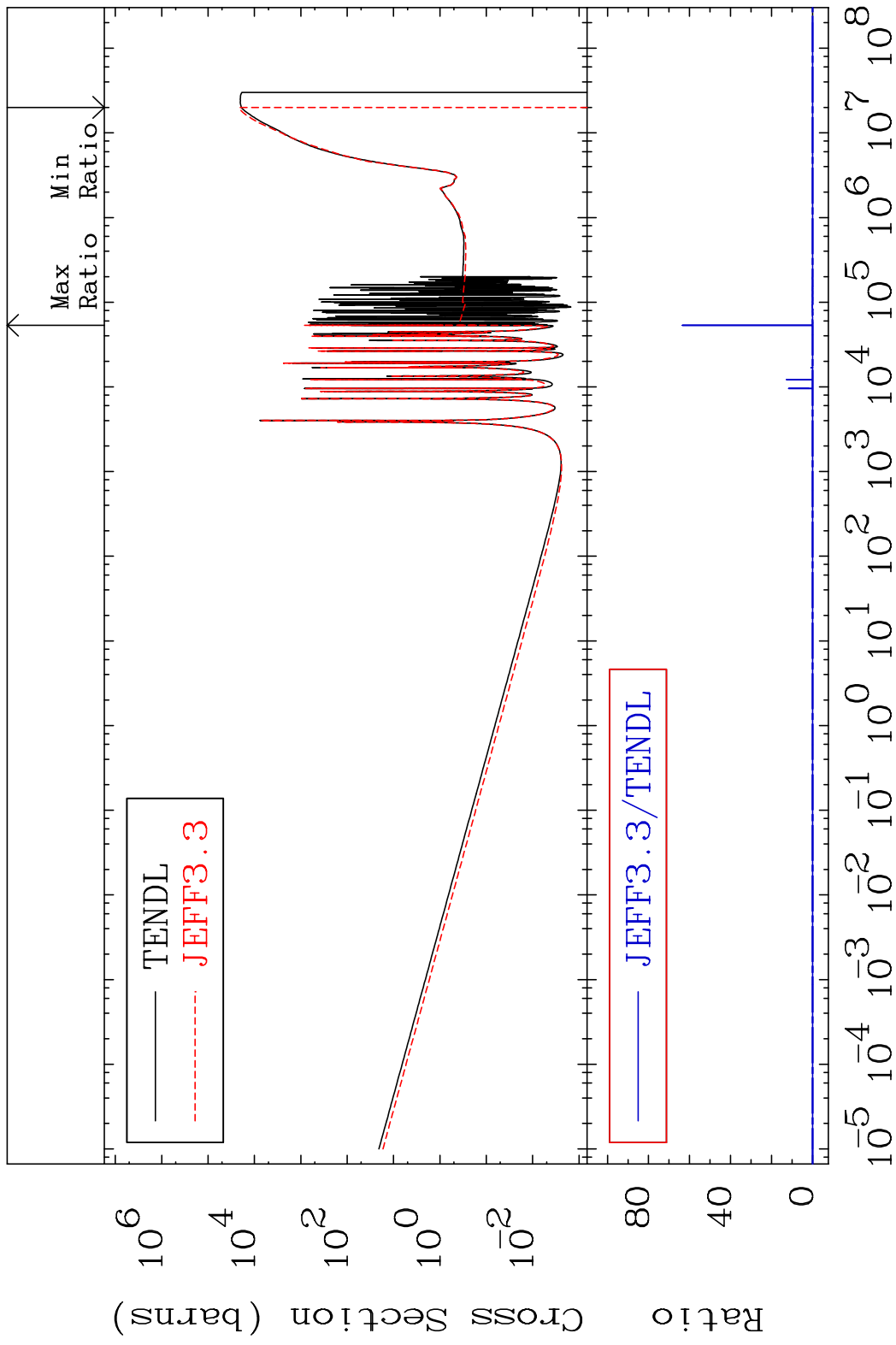
40-Zr-90

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



47 Incident Energy (eV) 40-Zr-90

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



48

Incident Energy (eV)

40-Zr-90