

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

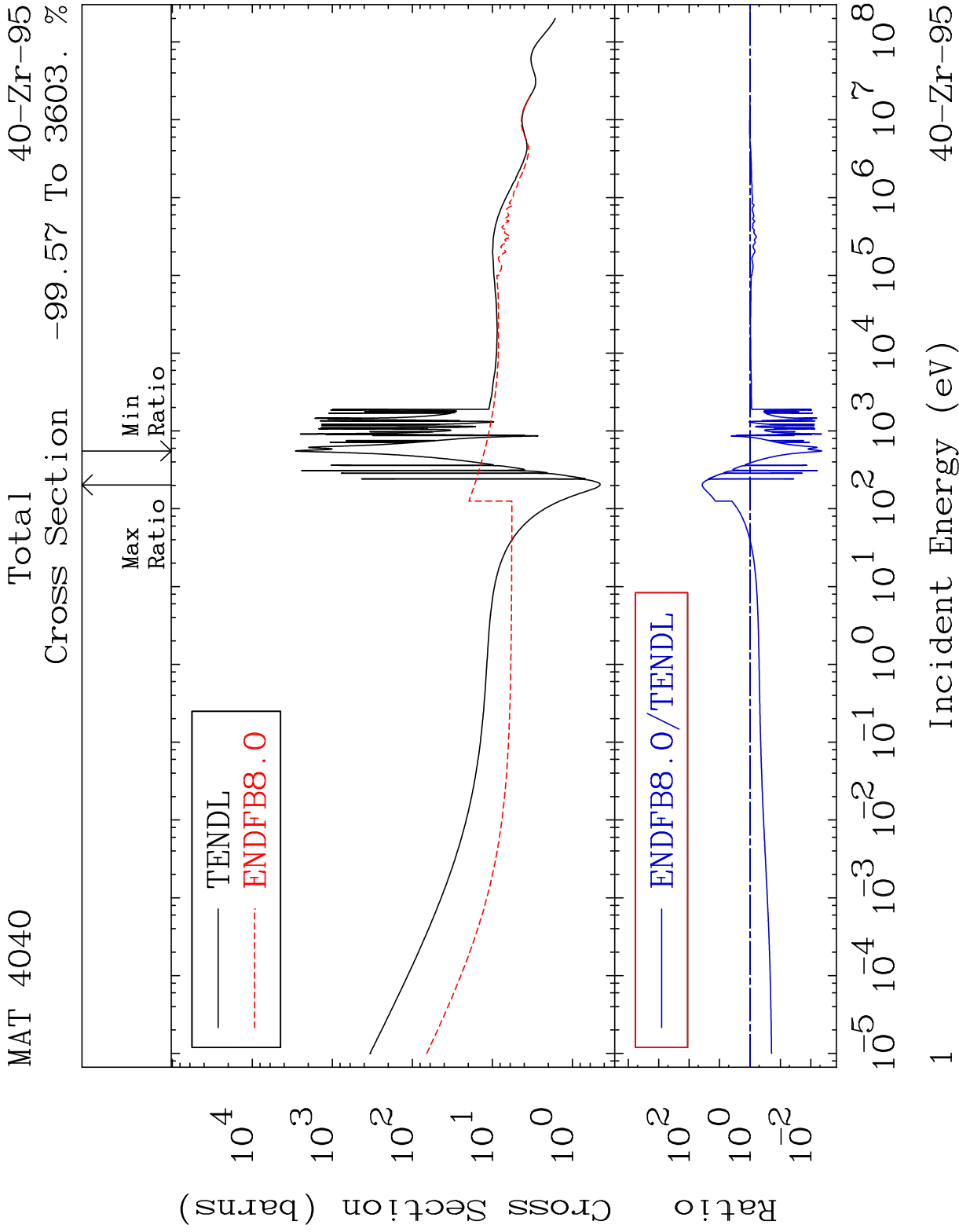
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Press Mouse Button to Start

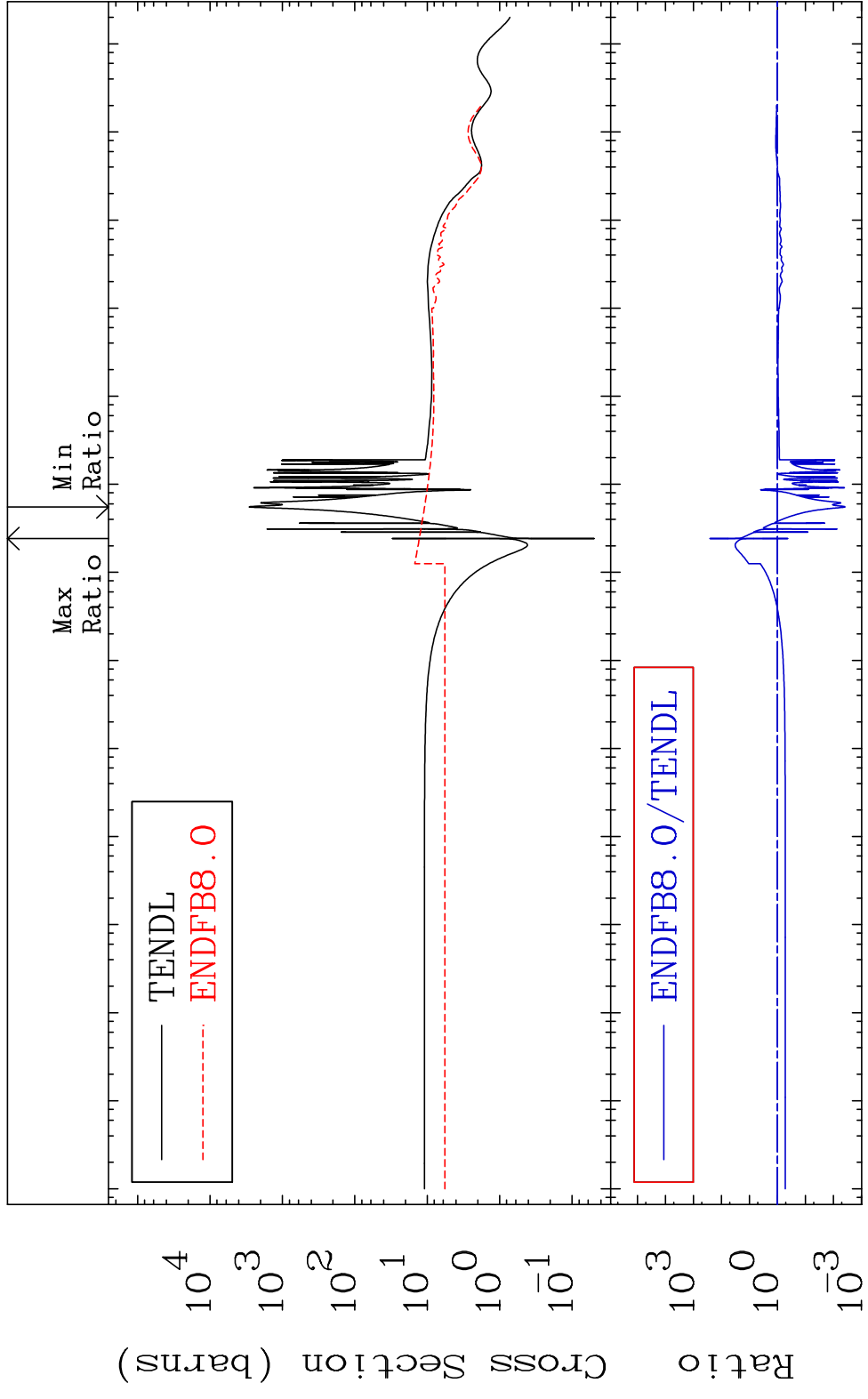


MAT 4040

40-Zr-95

Elastic

Cross Section -99.62 To 9999. %

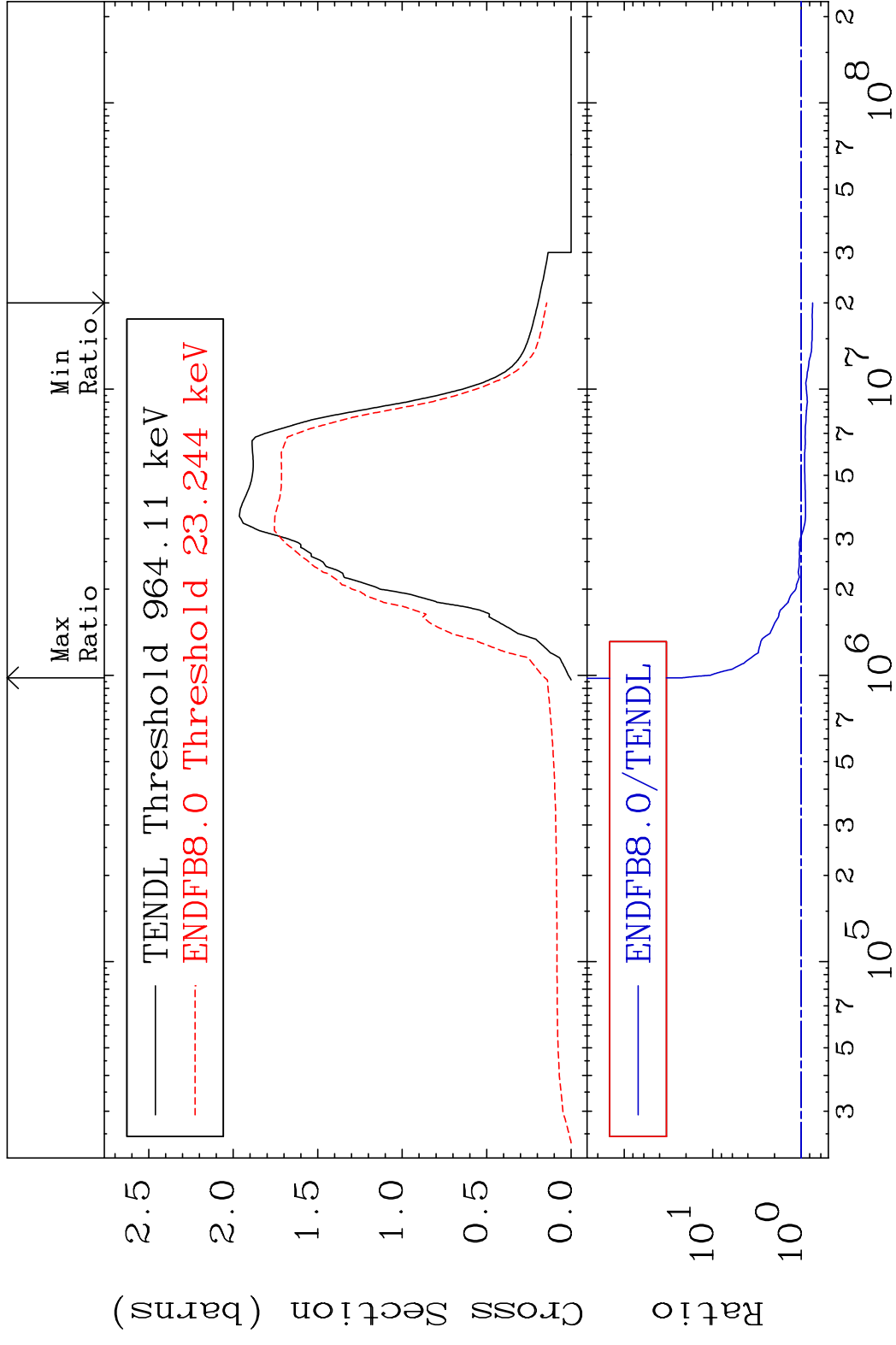


2

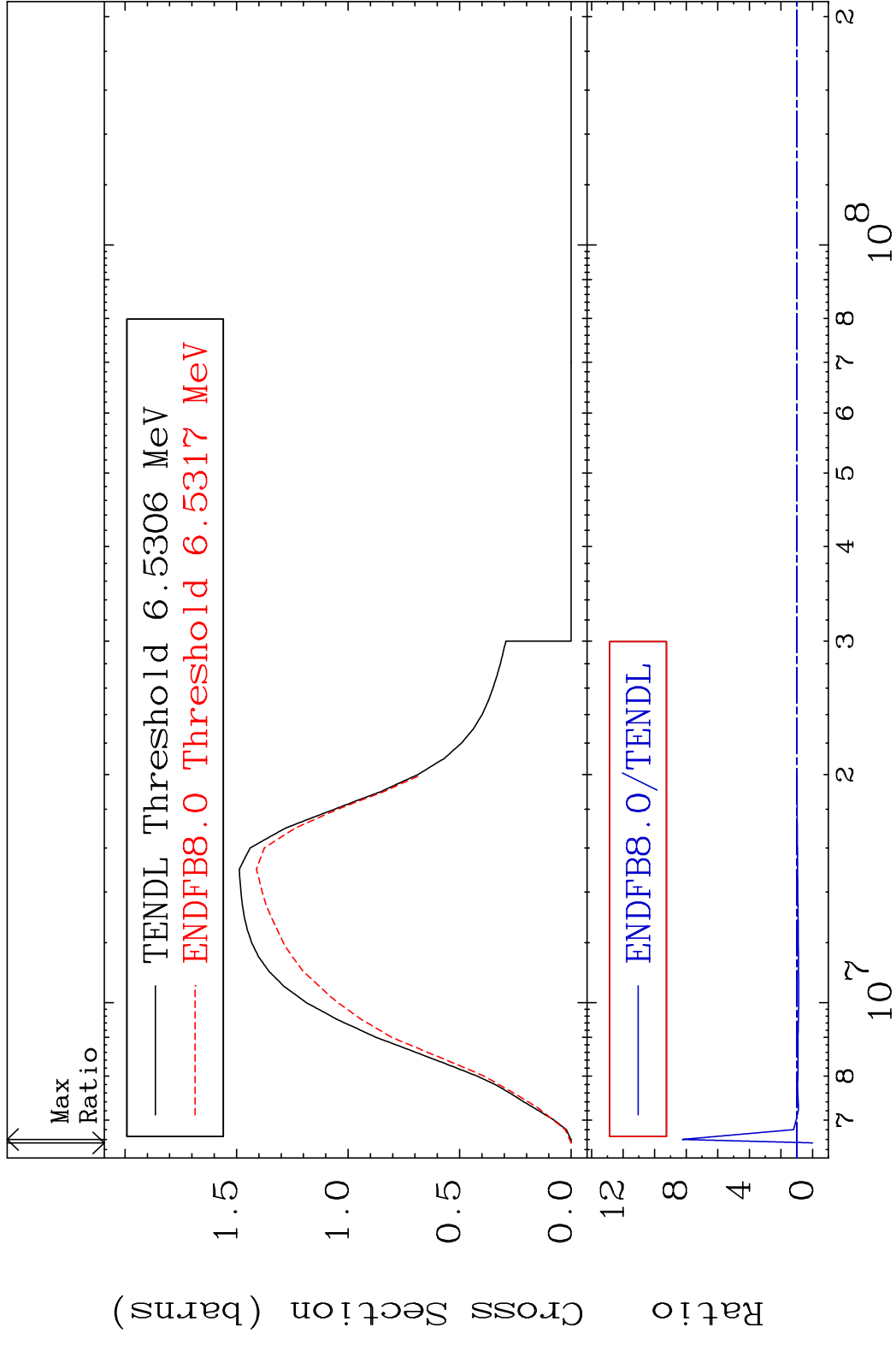
Incident Energy (eV)

40-Zr-95

MAT 4040 Inelastic Cross Section -25.77 To 2105. % 40-Zr-95

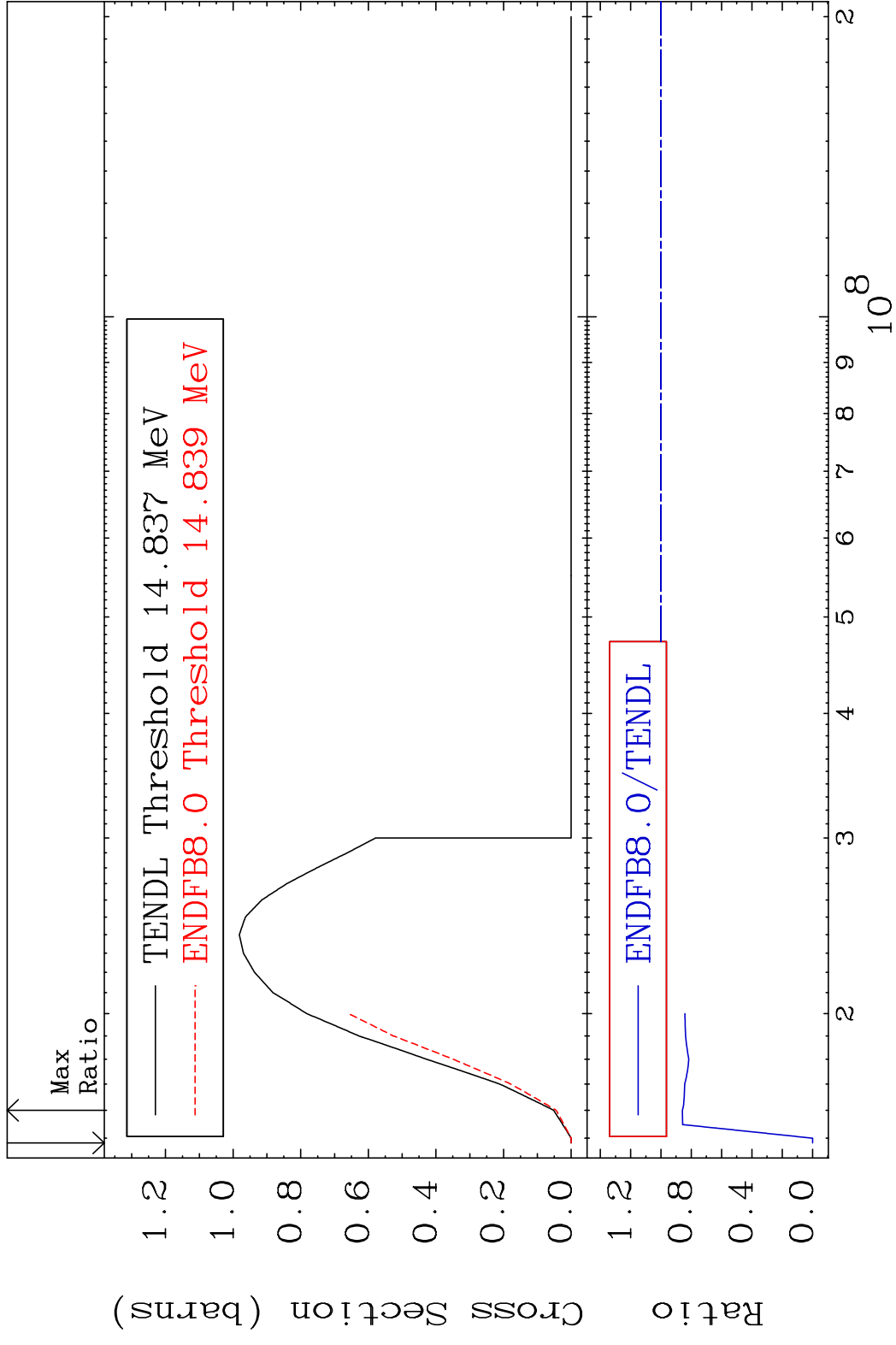


MAT 4040 (n,2n) 40-Zr-95
 Cross Section -100.0 To 724.7 %

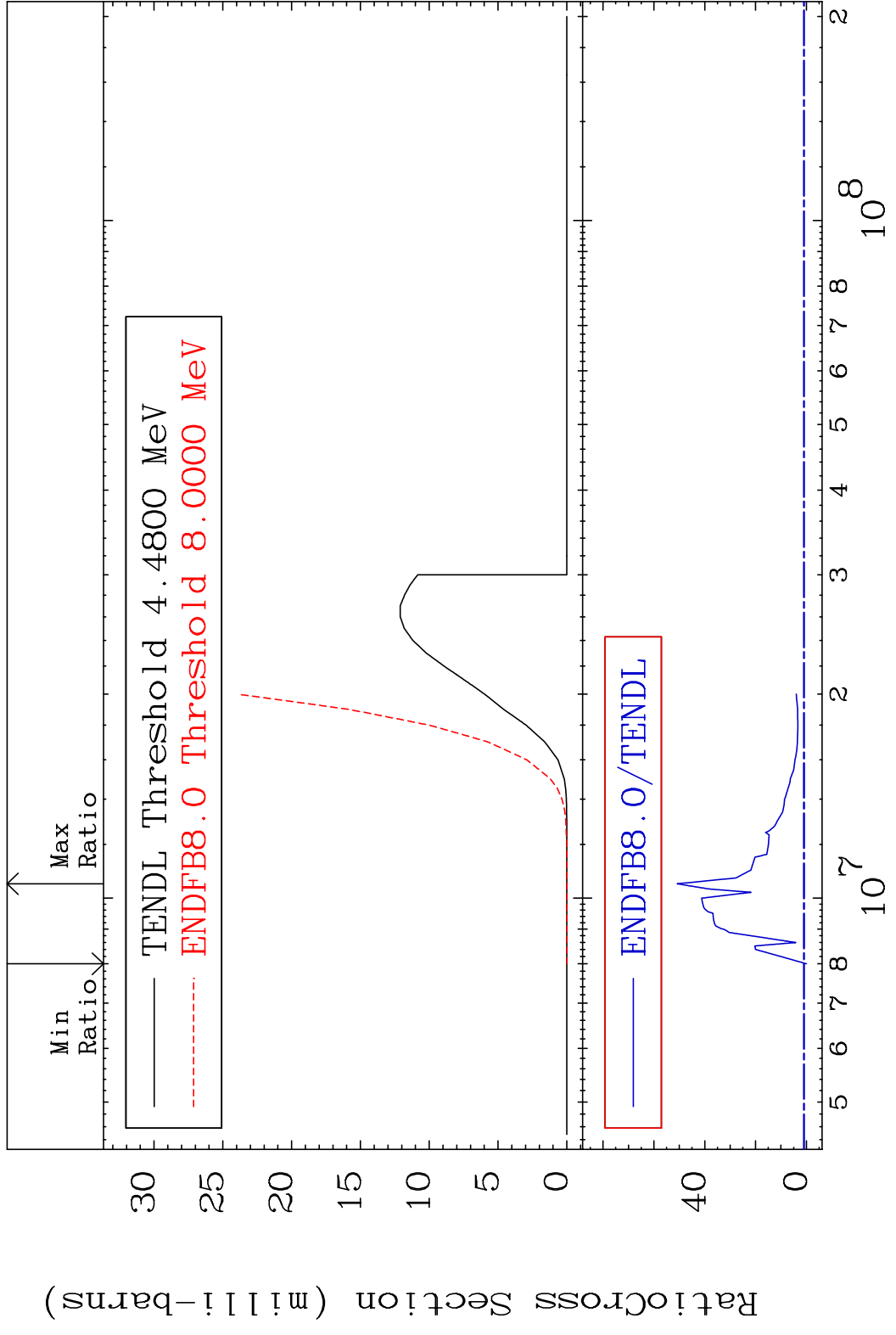


4 7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 40-Zr-95

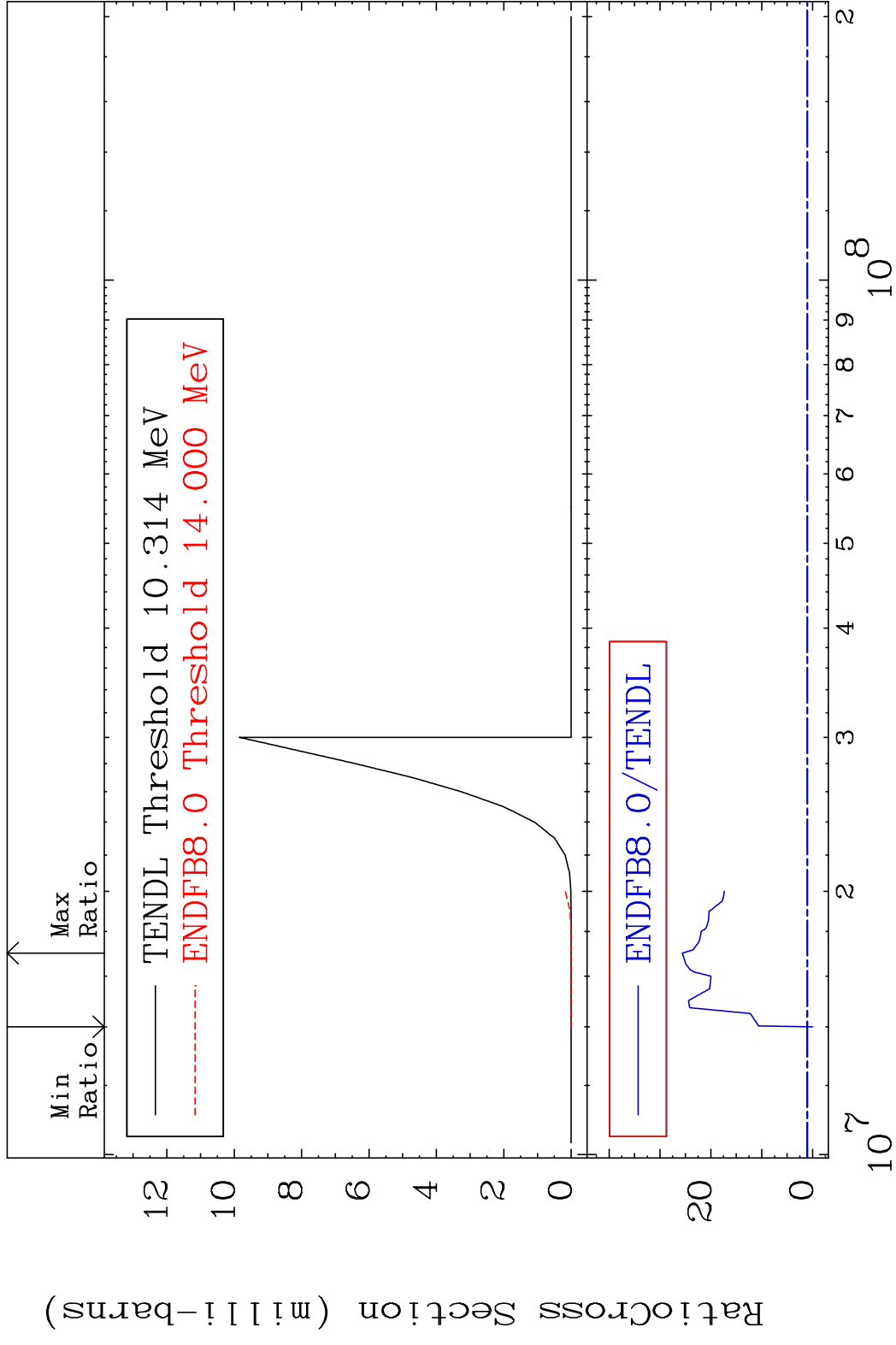
MAT 4040 (n,3n) 40-Zr-95
 Cross Section -100.0 To -14.12%



MAT 4040 (n, n') α 40-Zr-95
 Cross Section -100.0 To 4983. %



MAT 4040 (n,2n) α 40-Zr-95
 Cross Section -100.0 To 2460. %



7 7 Incident Energy (eV) 40-Zr-95

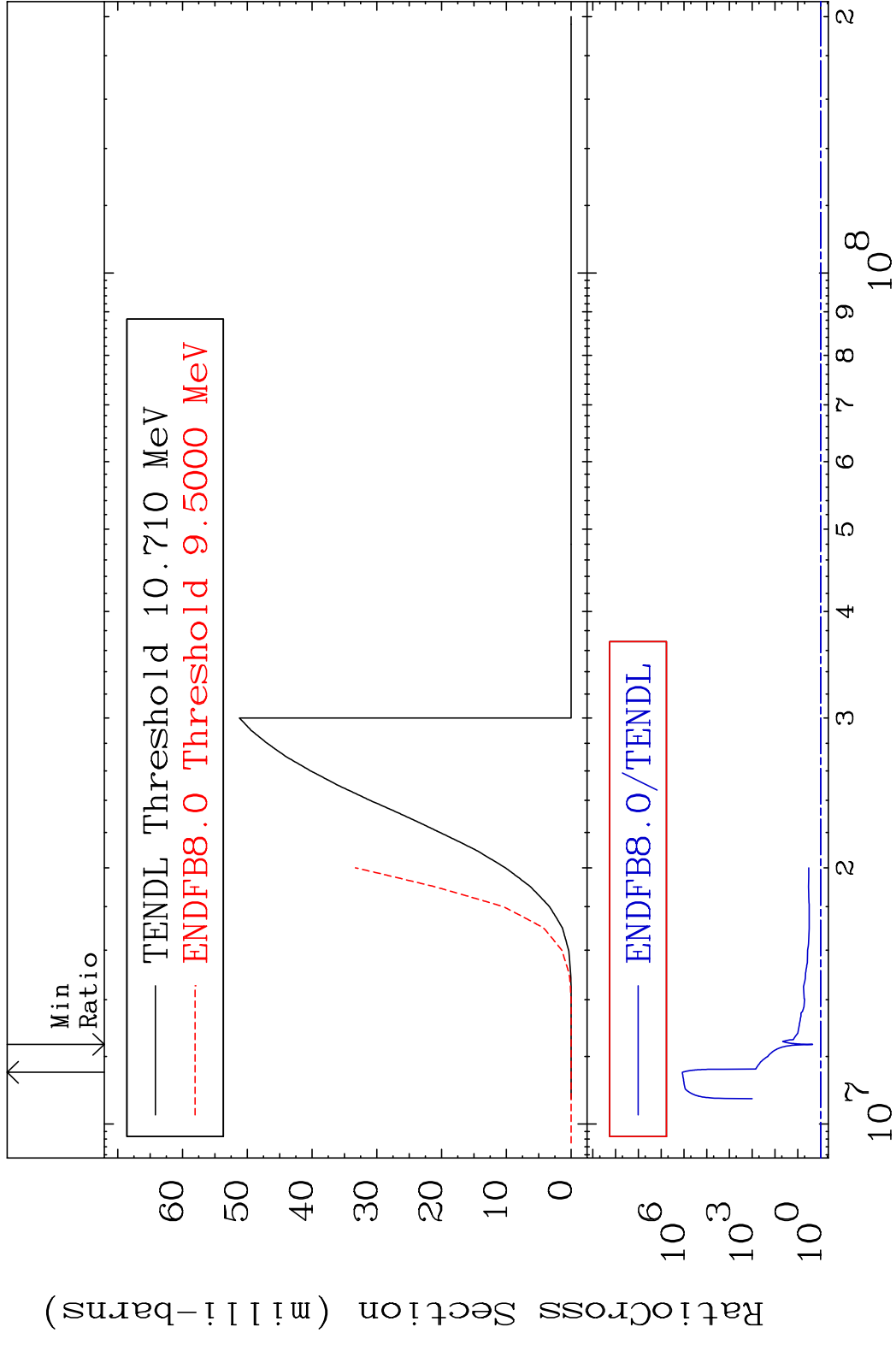
MAT 4040

(n, n') p

40-Zr-95

Cross Section

123.7 To 9999. %

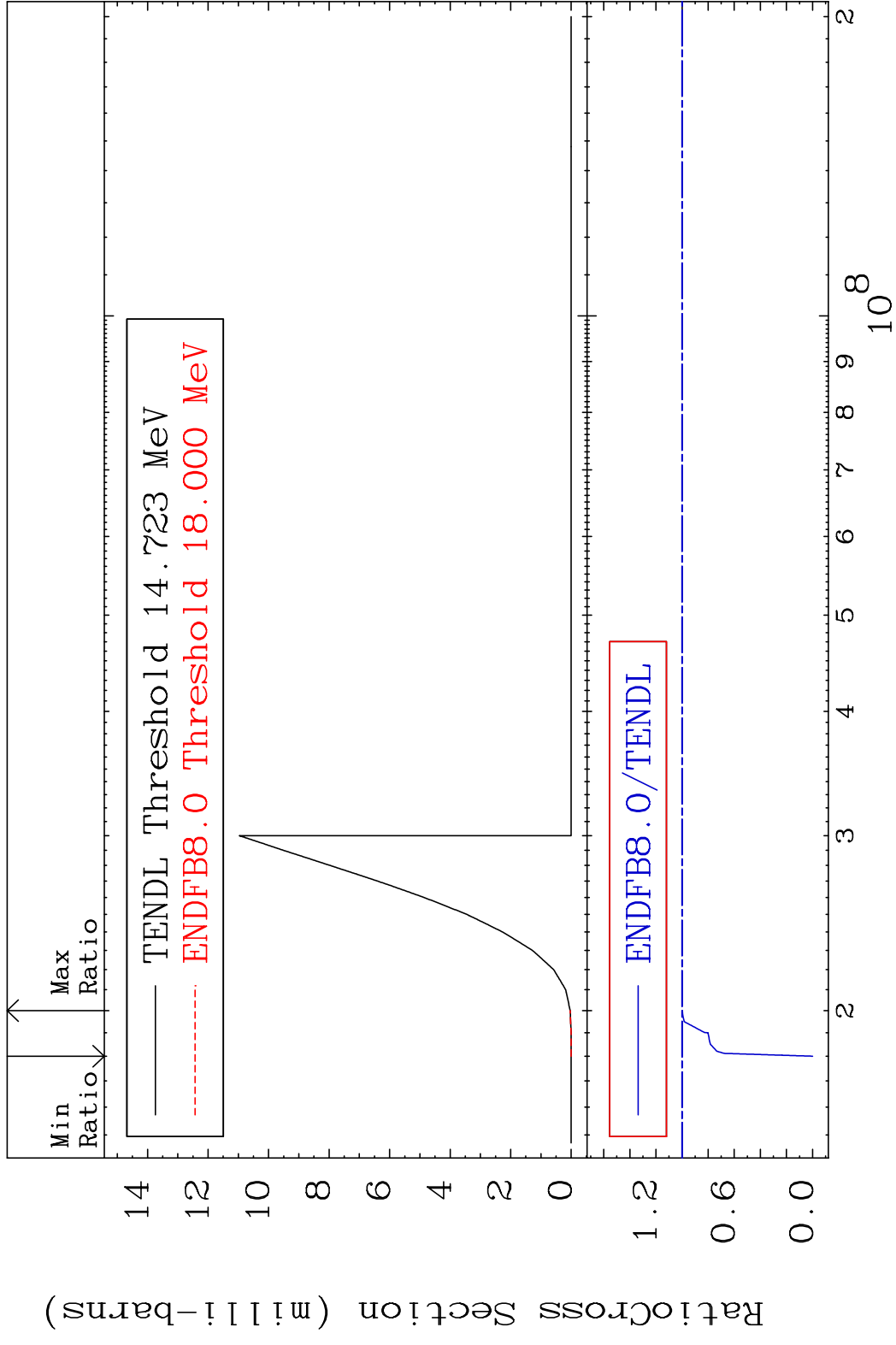


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Incident Energy (eV)

40-Zr-95

MAT 4040 (n, n') d 40-Zr-95
 Cross Section -100.0 To -0.226%

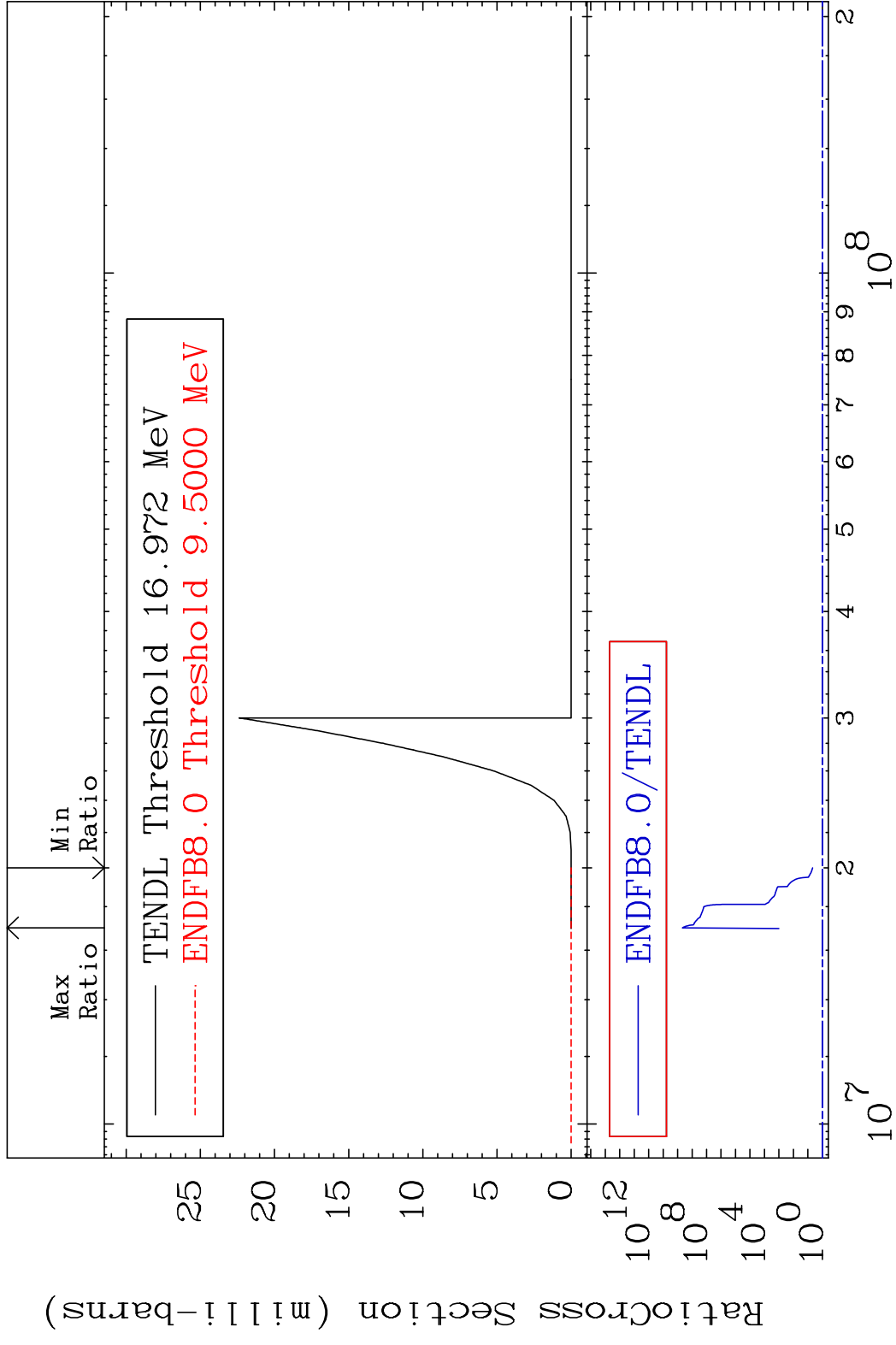


MAT 4040

(n,2n) p

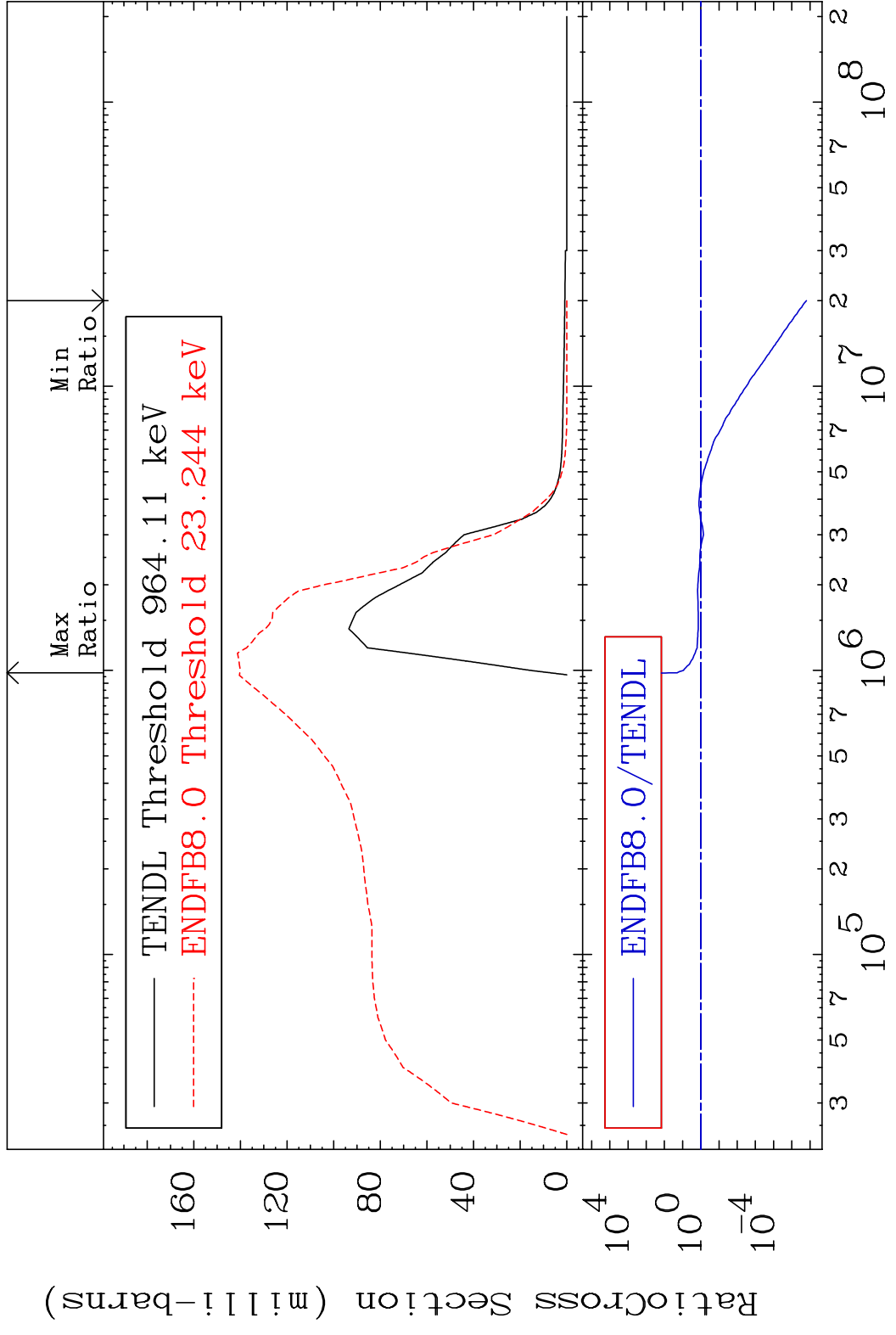
40-Zr-95

Cross Section 373.5 To 9999. %

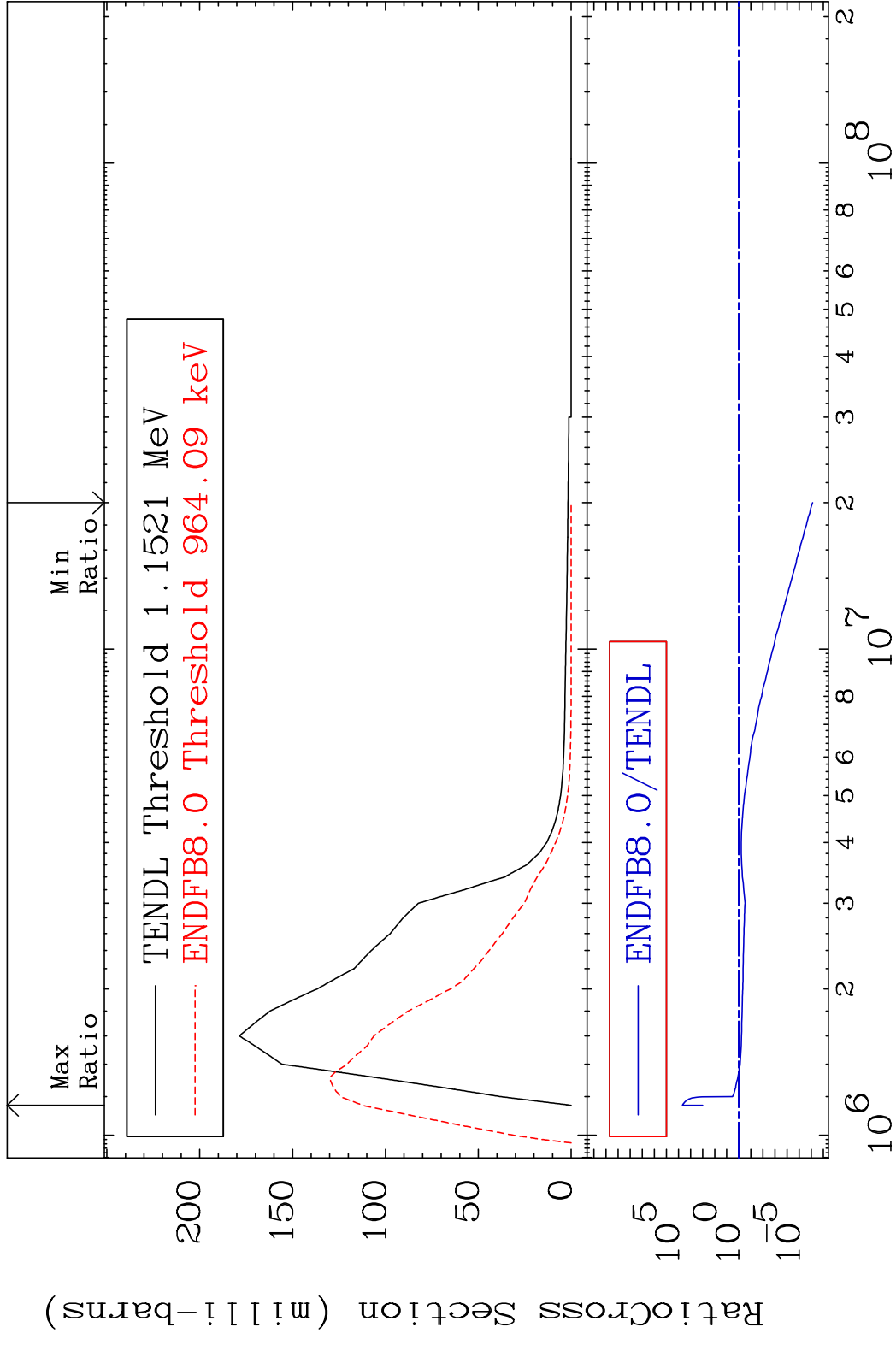


10 Incident Energy (eV) 40-Zr-95

MAT 4040 MT= 51 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 1884. %

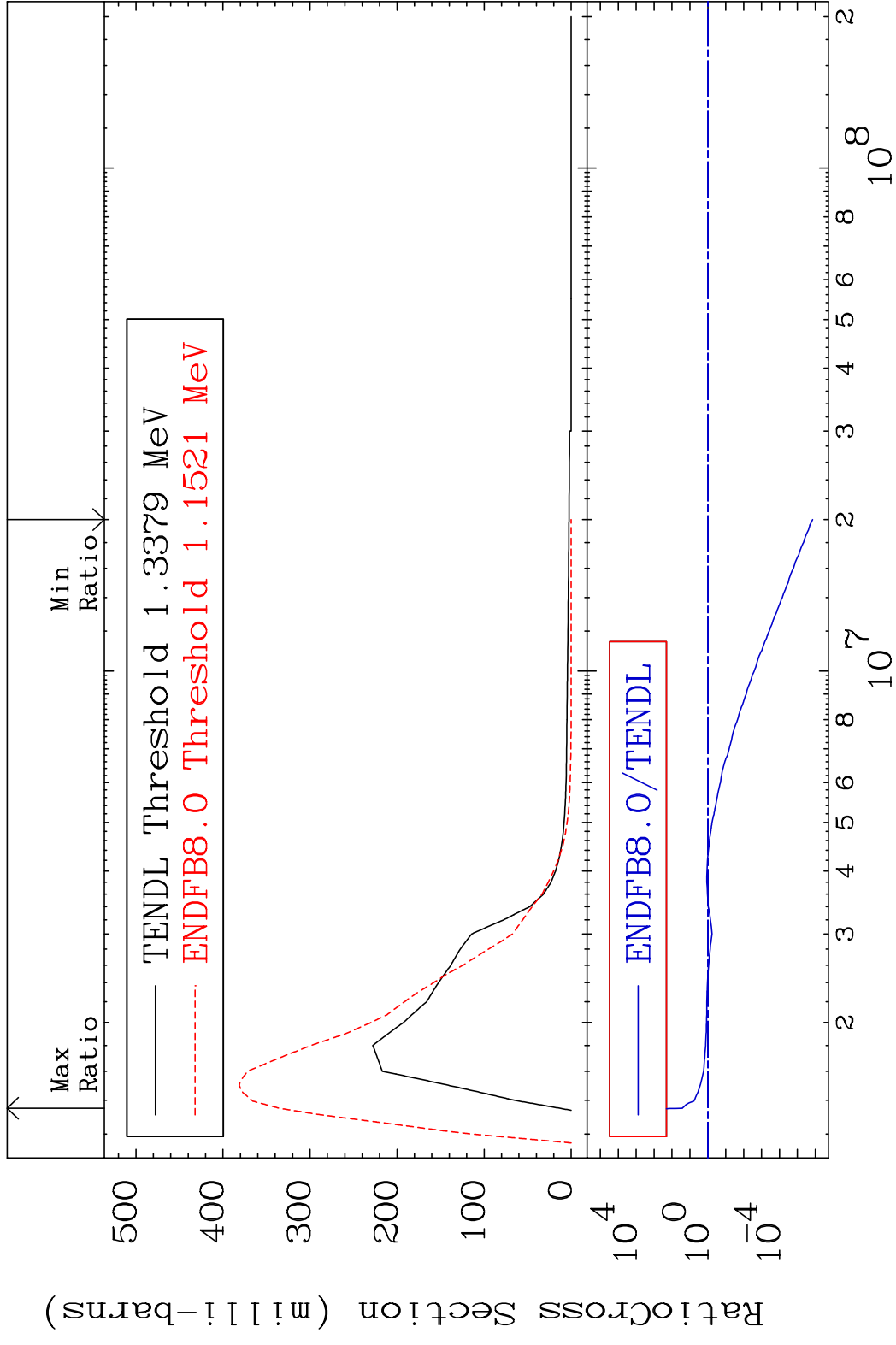


MAT 4040 MT= 52 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 9999. %

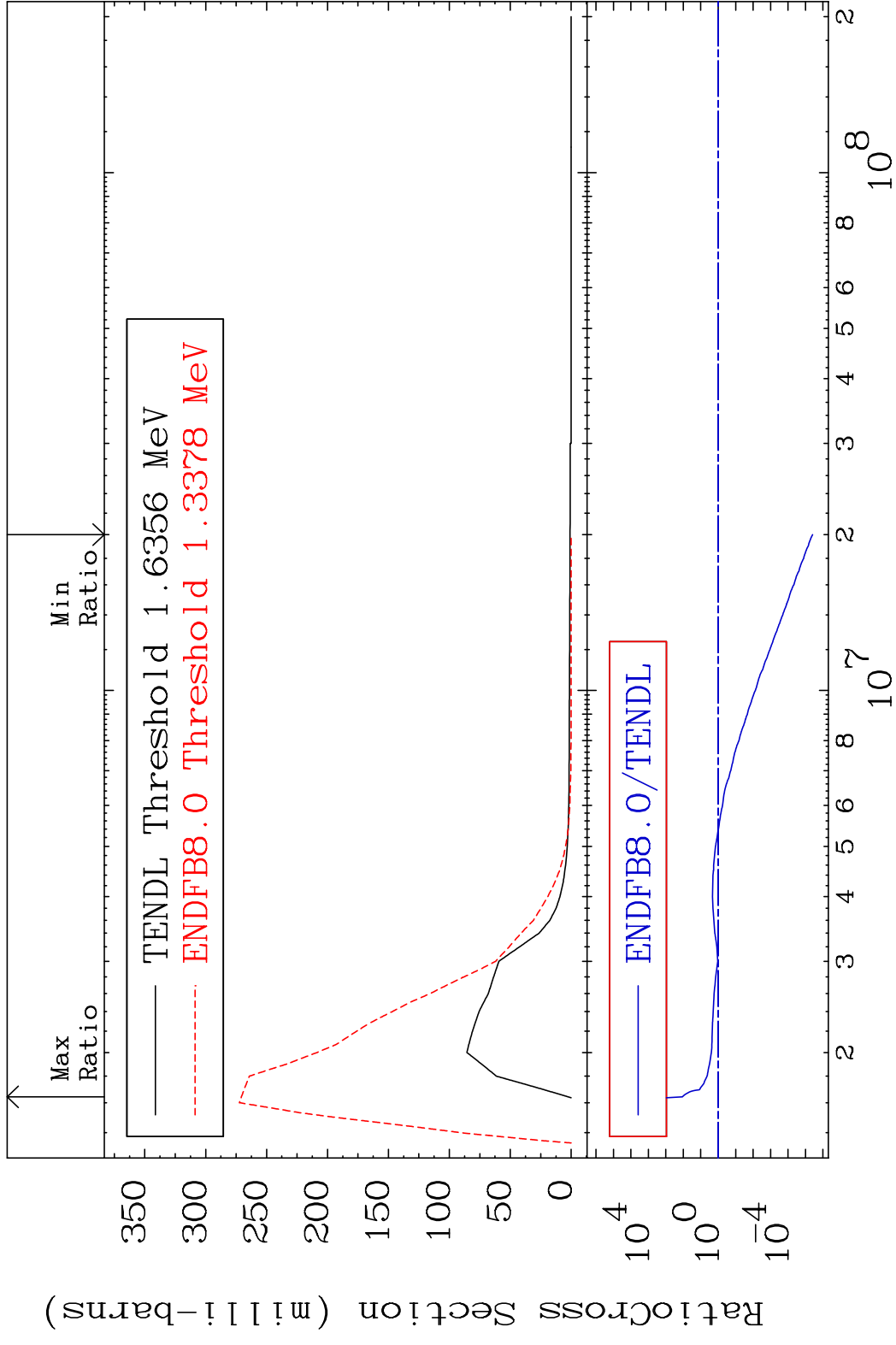


12 40-Zr-95

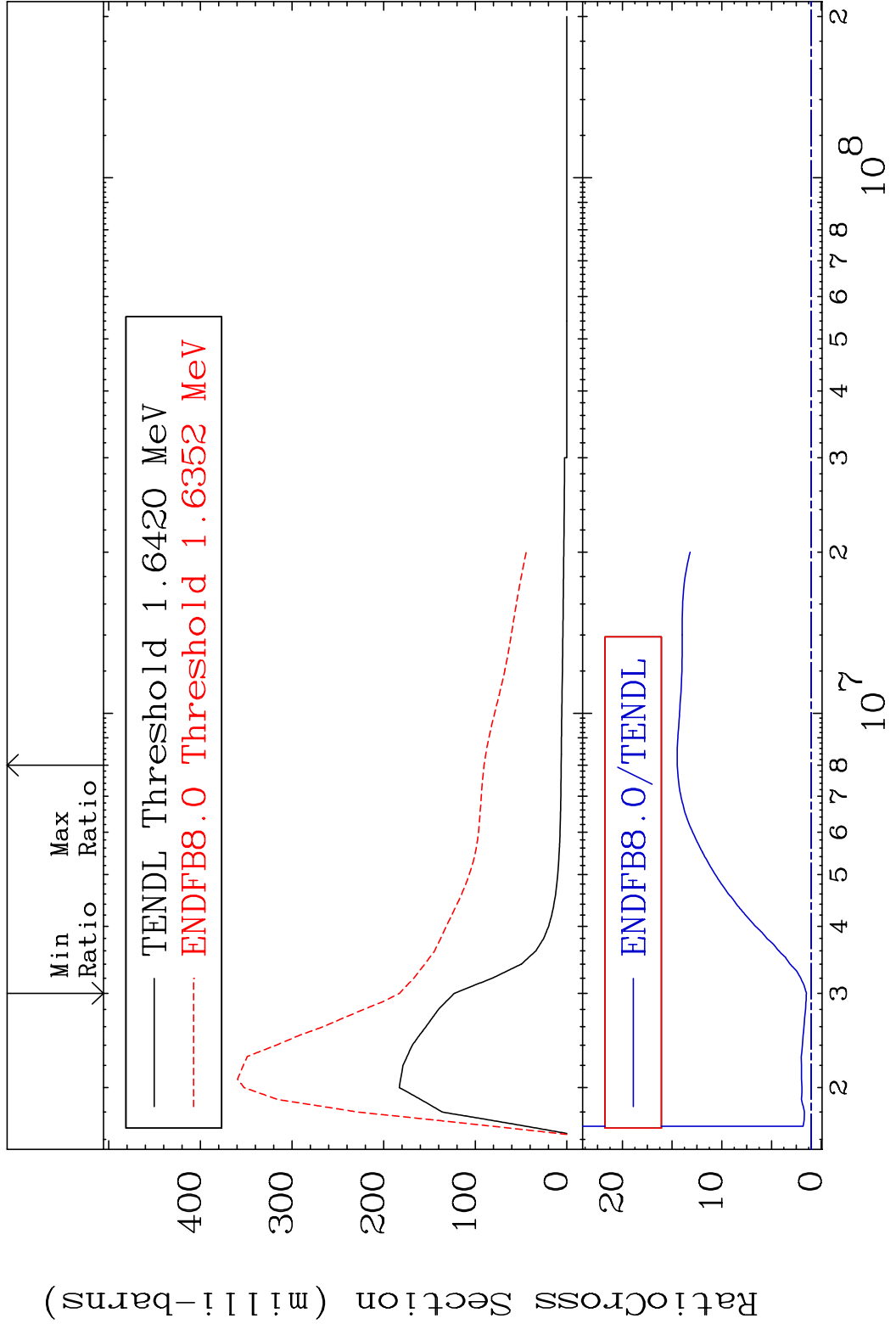
MAT 4040 MT= 53 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 2542. %



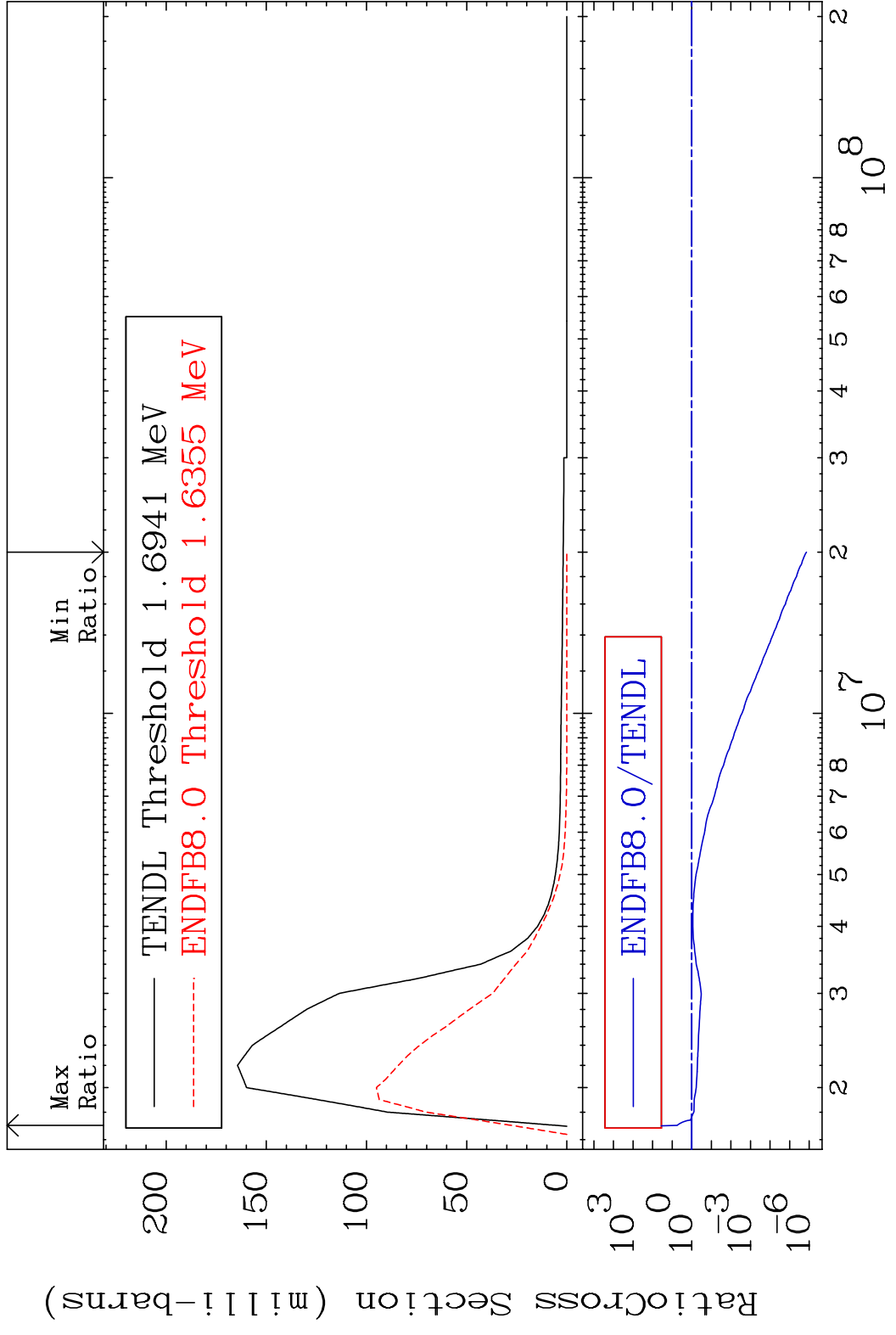
MAT 4040 MT= 54 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 9999. %



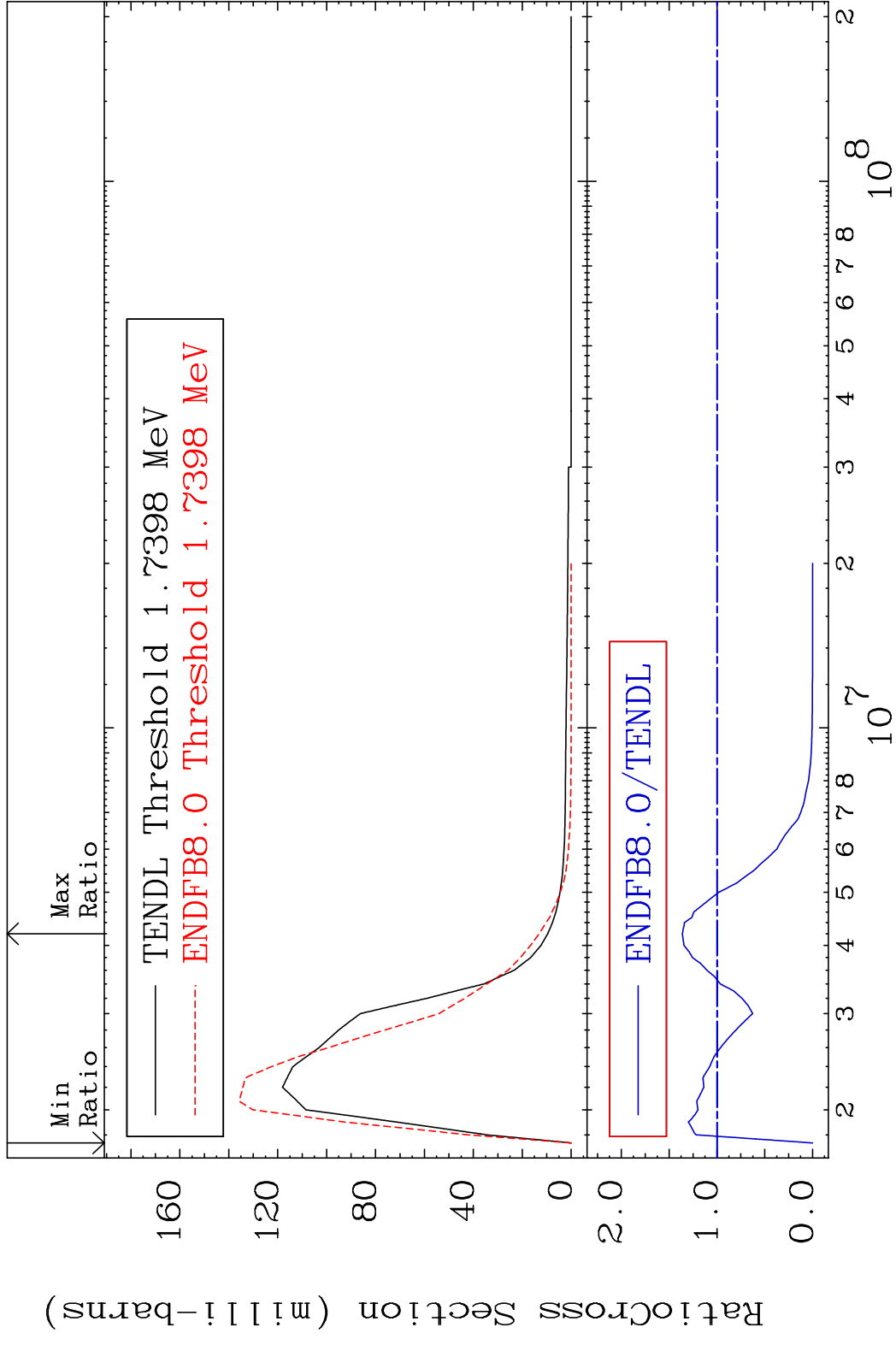
MAT 4040 MT= 55 (n,n') Level 40-Zr-95
 Cross Section 48.68 To 1349. %



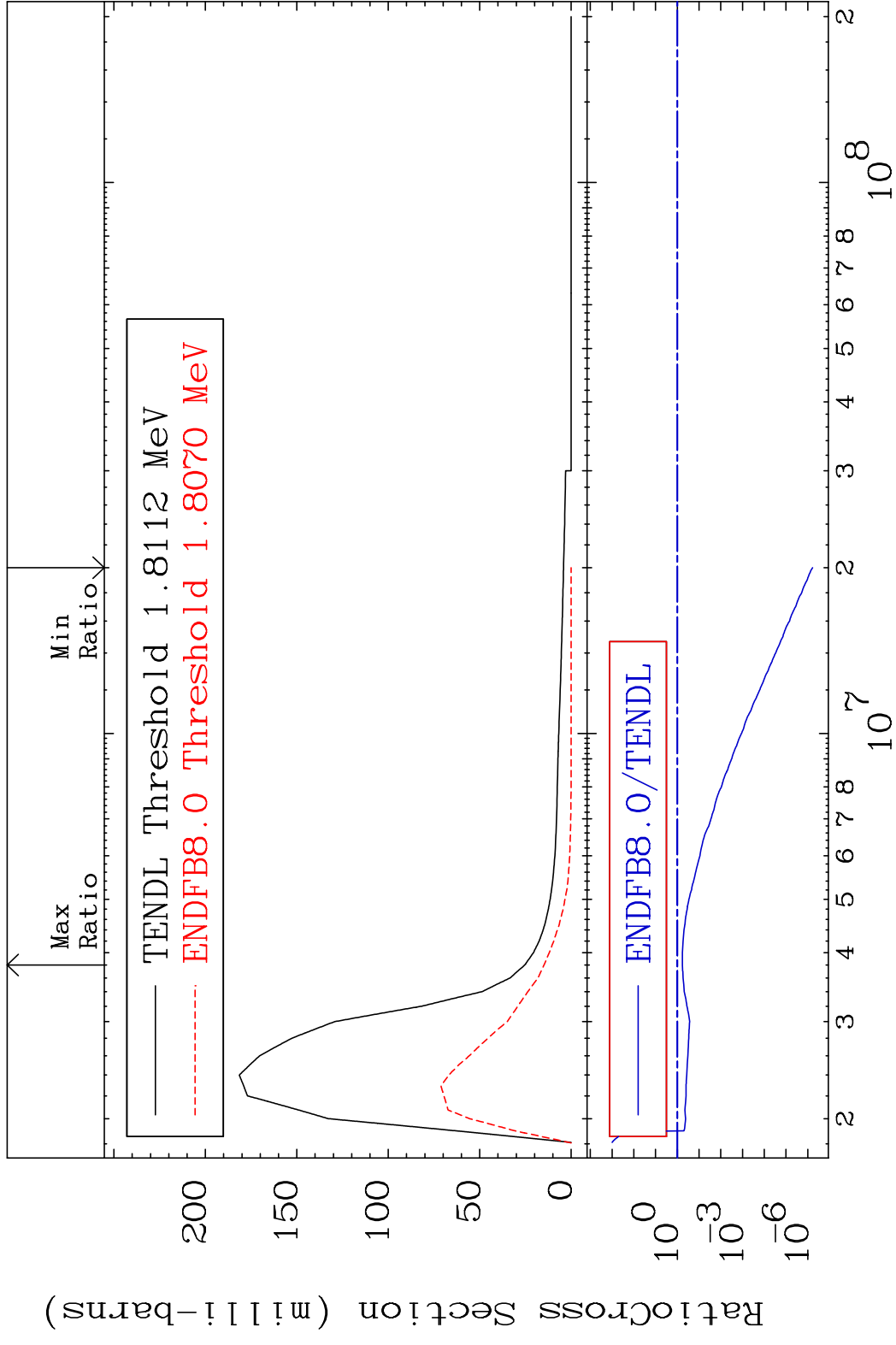
MAT 4040 MT= 56 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 456.0 %



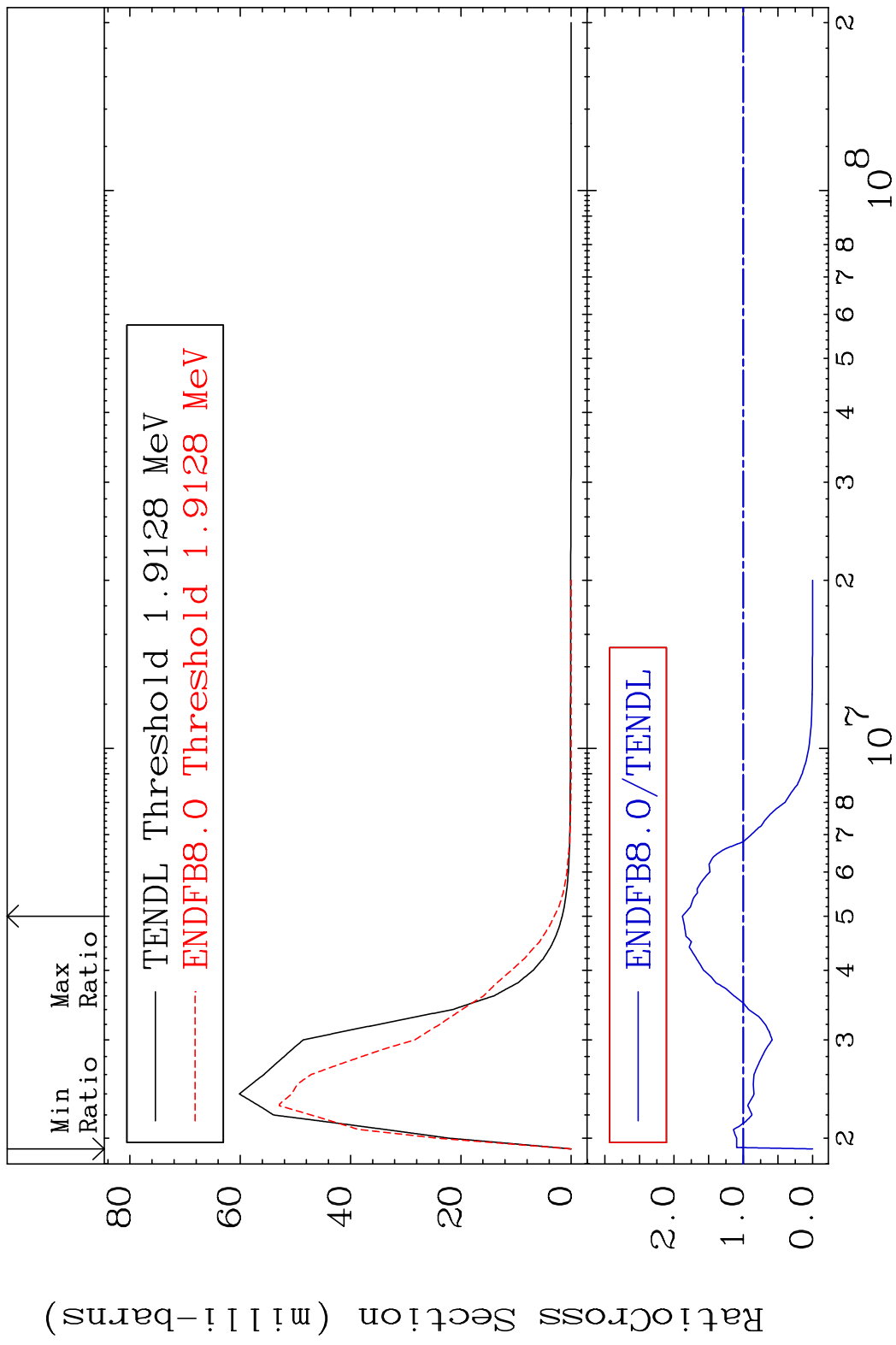
MAT 4040 MT= 57 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 36.20 %



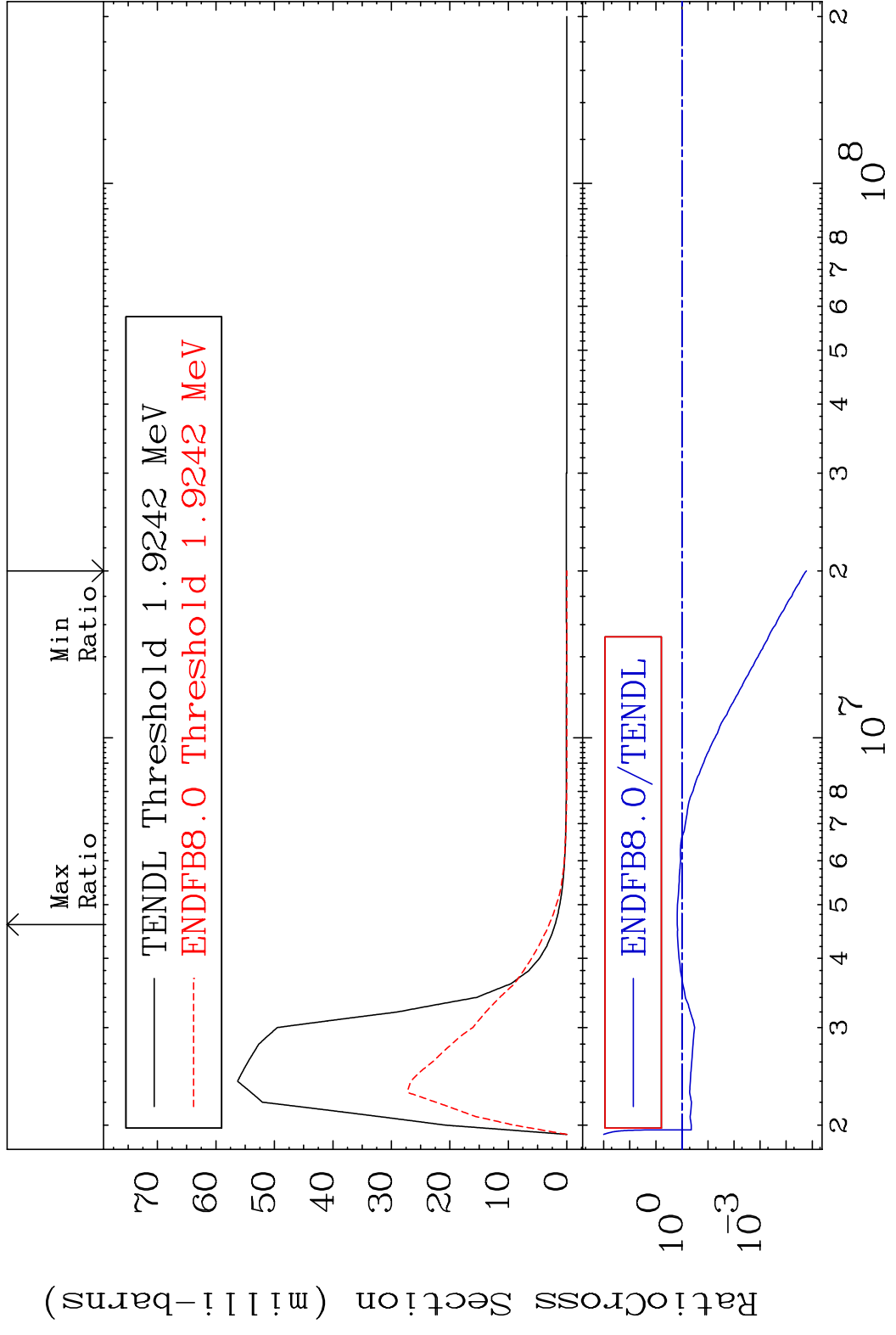
MAT 4040 MT= 58 (n, n') Level 40-Zr-95
 Cross Section -100.0 To -41.52%



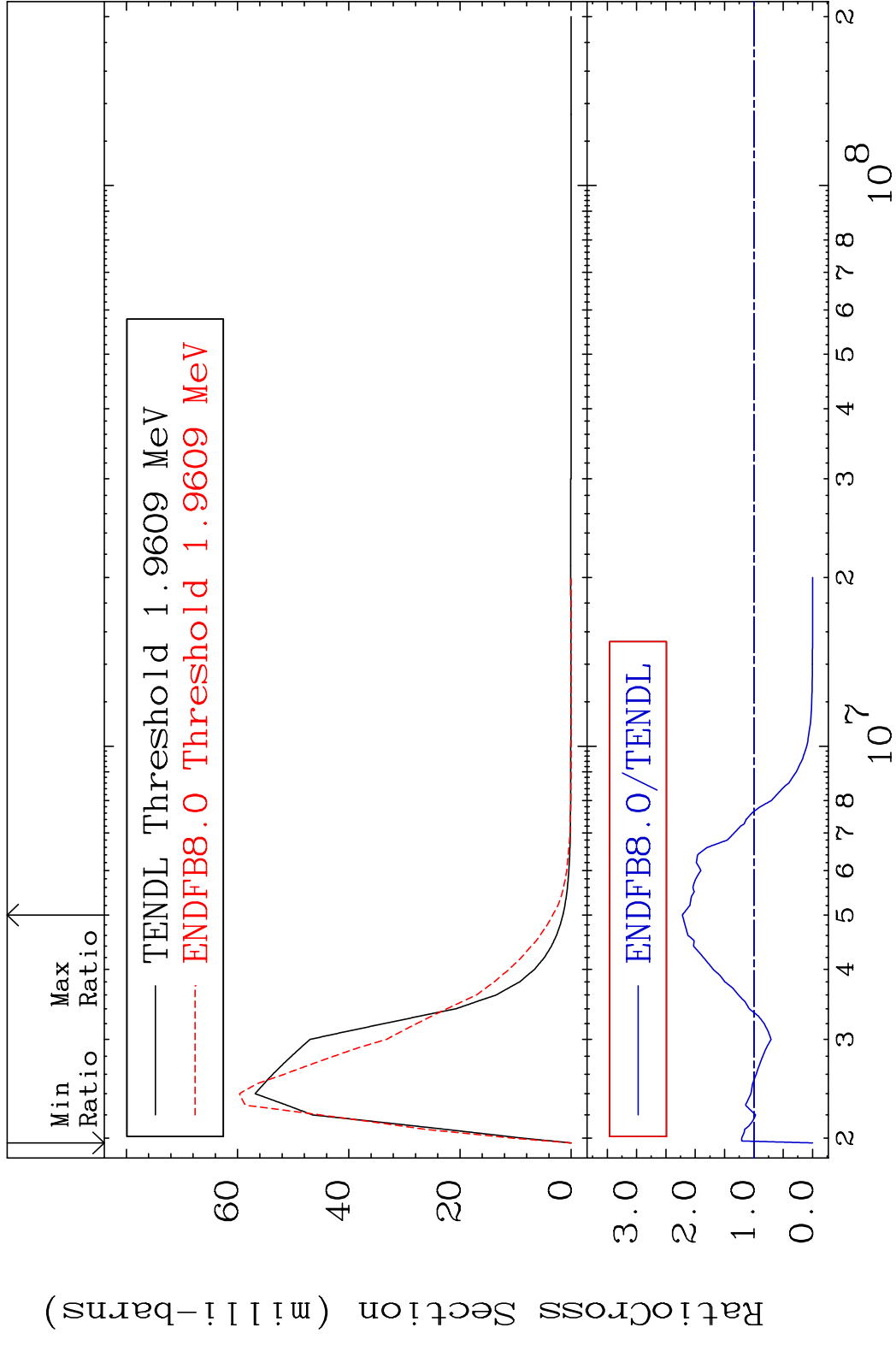
MAT 4040 MT= 59 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 88.03 %



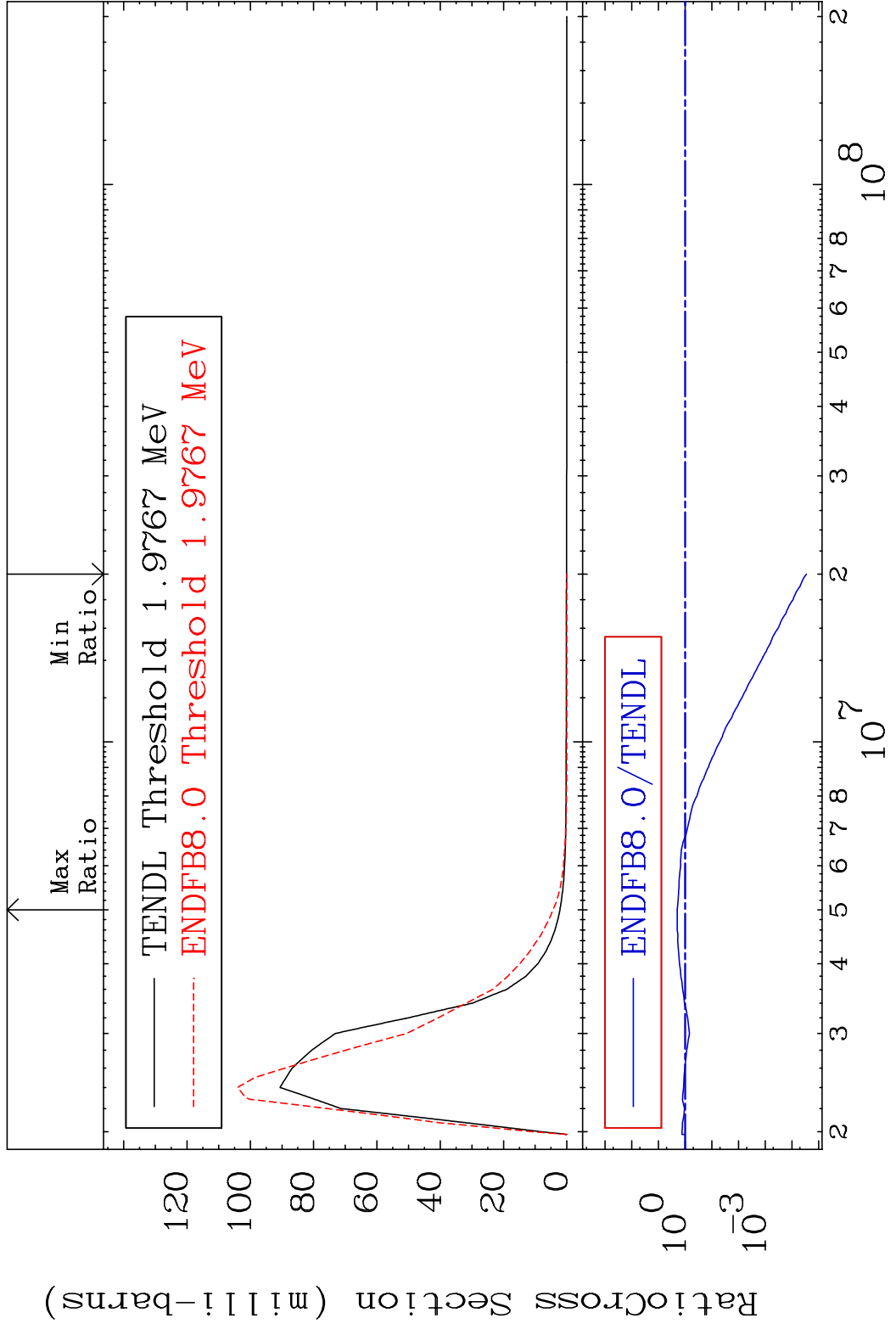
MAT 4040 MT= 60 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 51.91 %



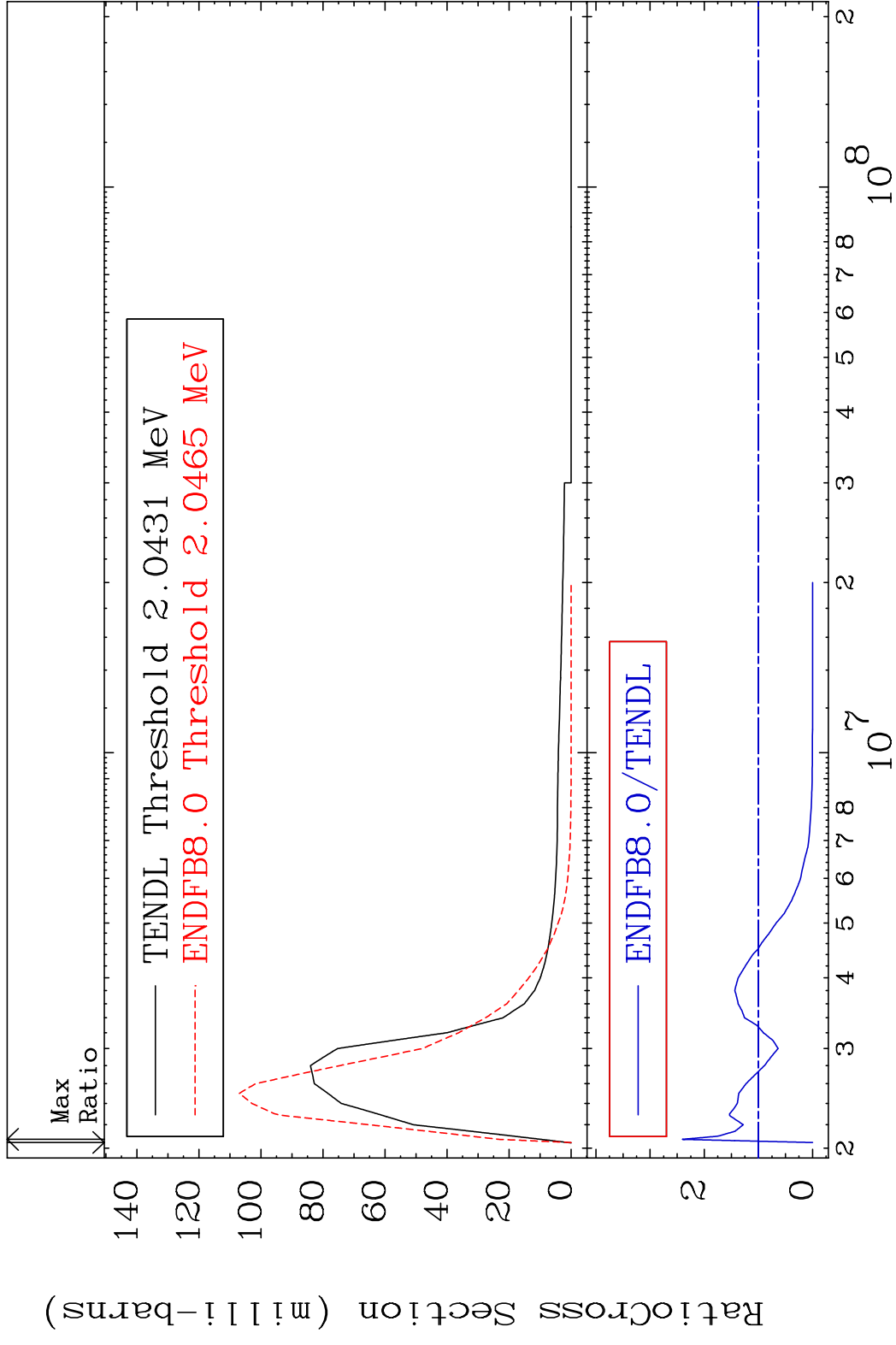
MAT 4040 MT= 61 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 122.0 %



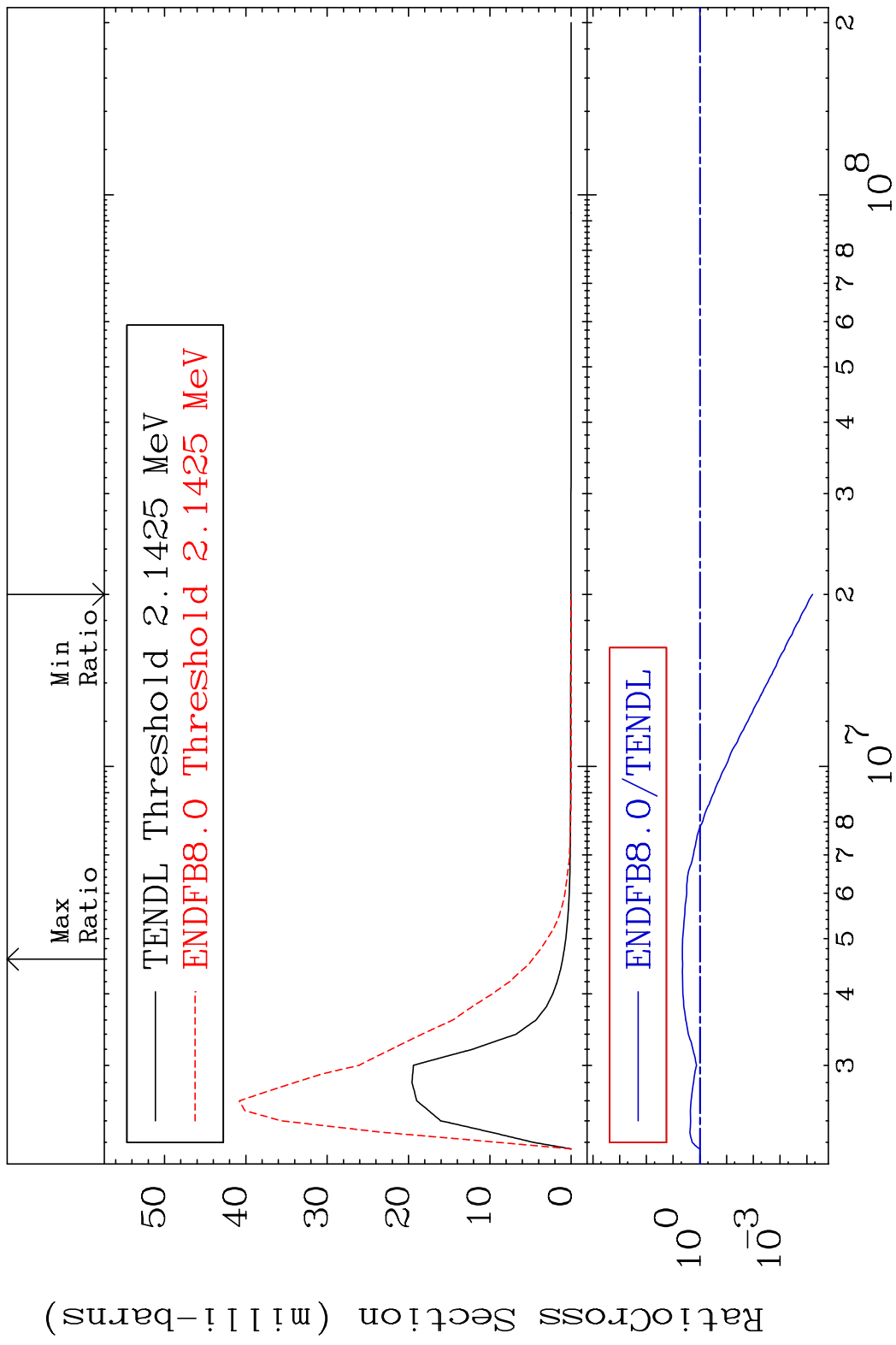
MAT 4040 MT= 62 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 98.98 %



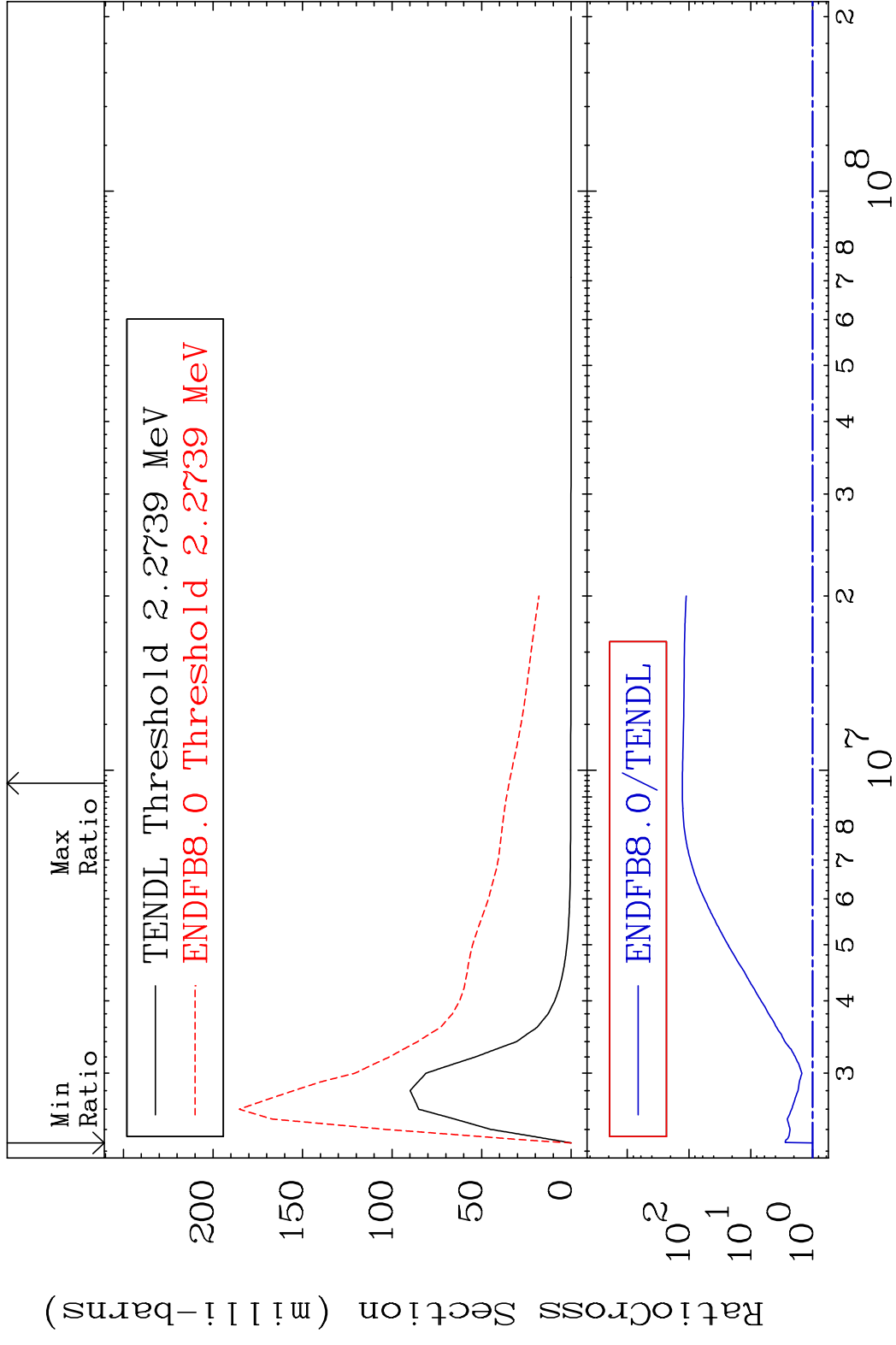
MAT 4040 MT= 63 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 140.4 %



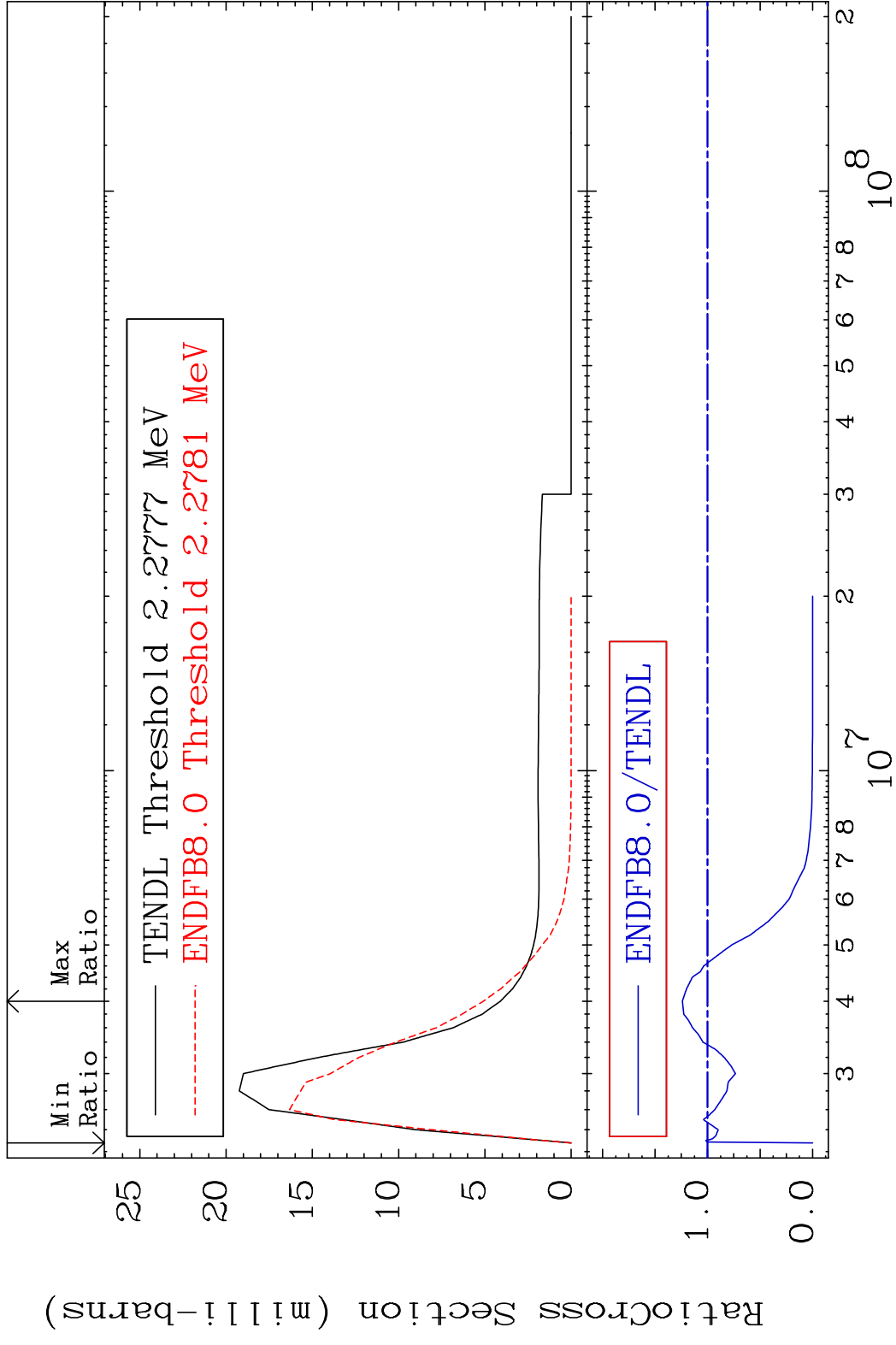
MAT 4040 MT= 64 (n, n') Level 40-Zr-95
 Cross Section -99.99 To 352.3 %



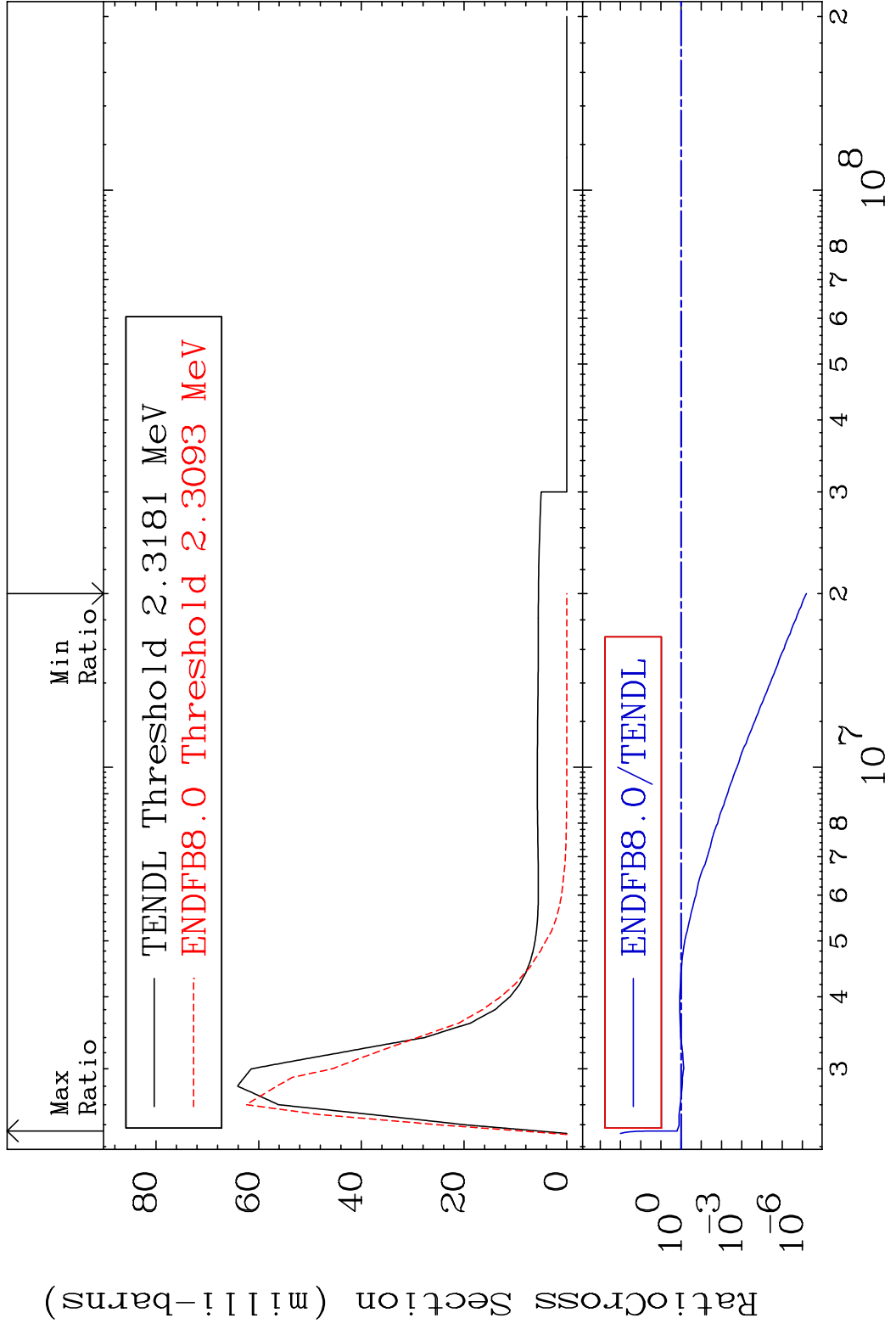
MAT 4040 MT= 65 (n, n') Level 40-Zr-95
 Cross Section 0.000 To 9999. %



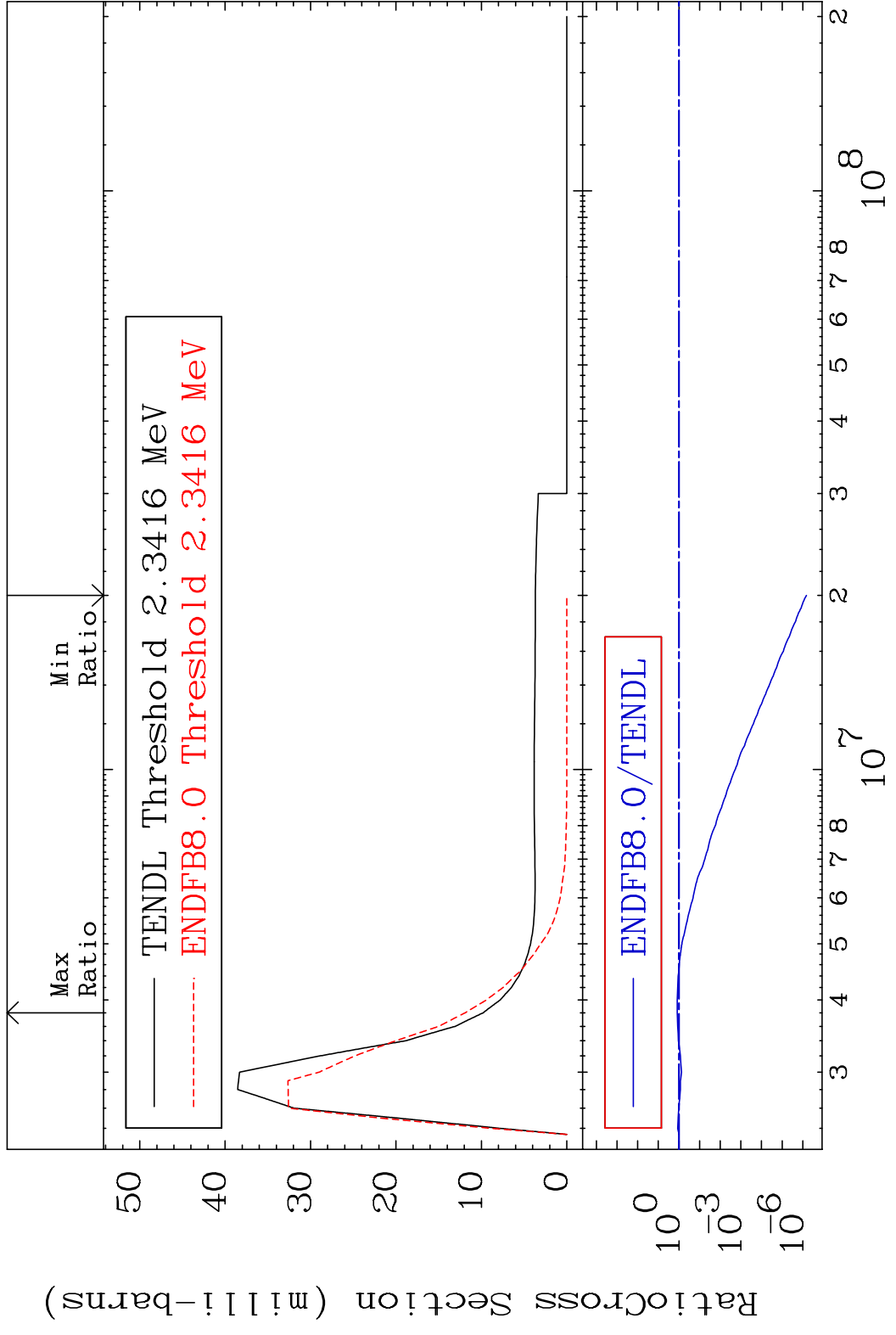
MAT 4040 MT= 66 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 24.01 %



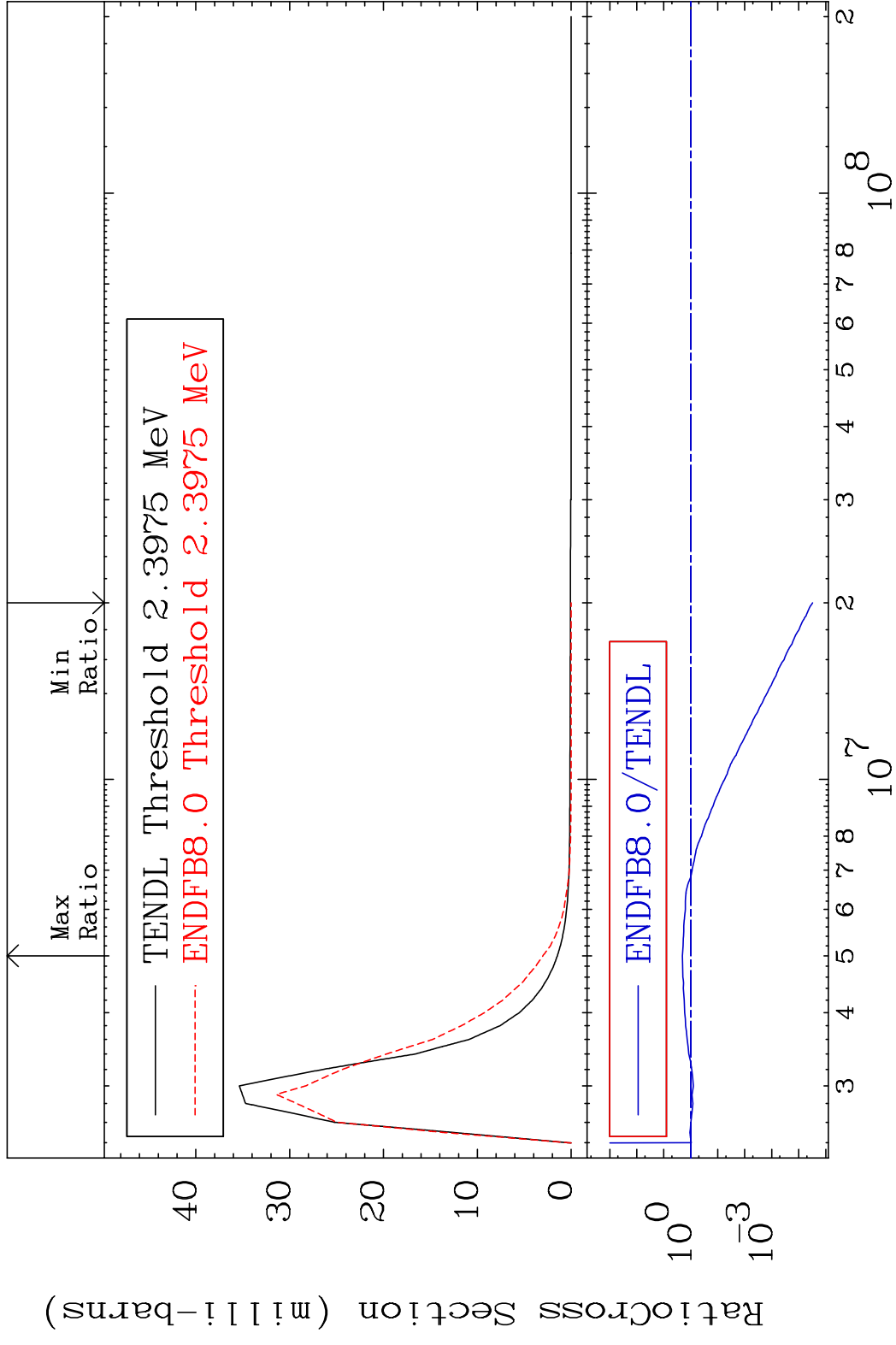
MAT 4040 MT= 67 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 56.21 %



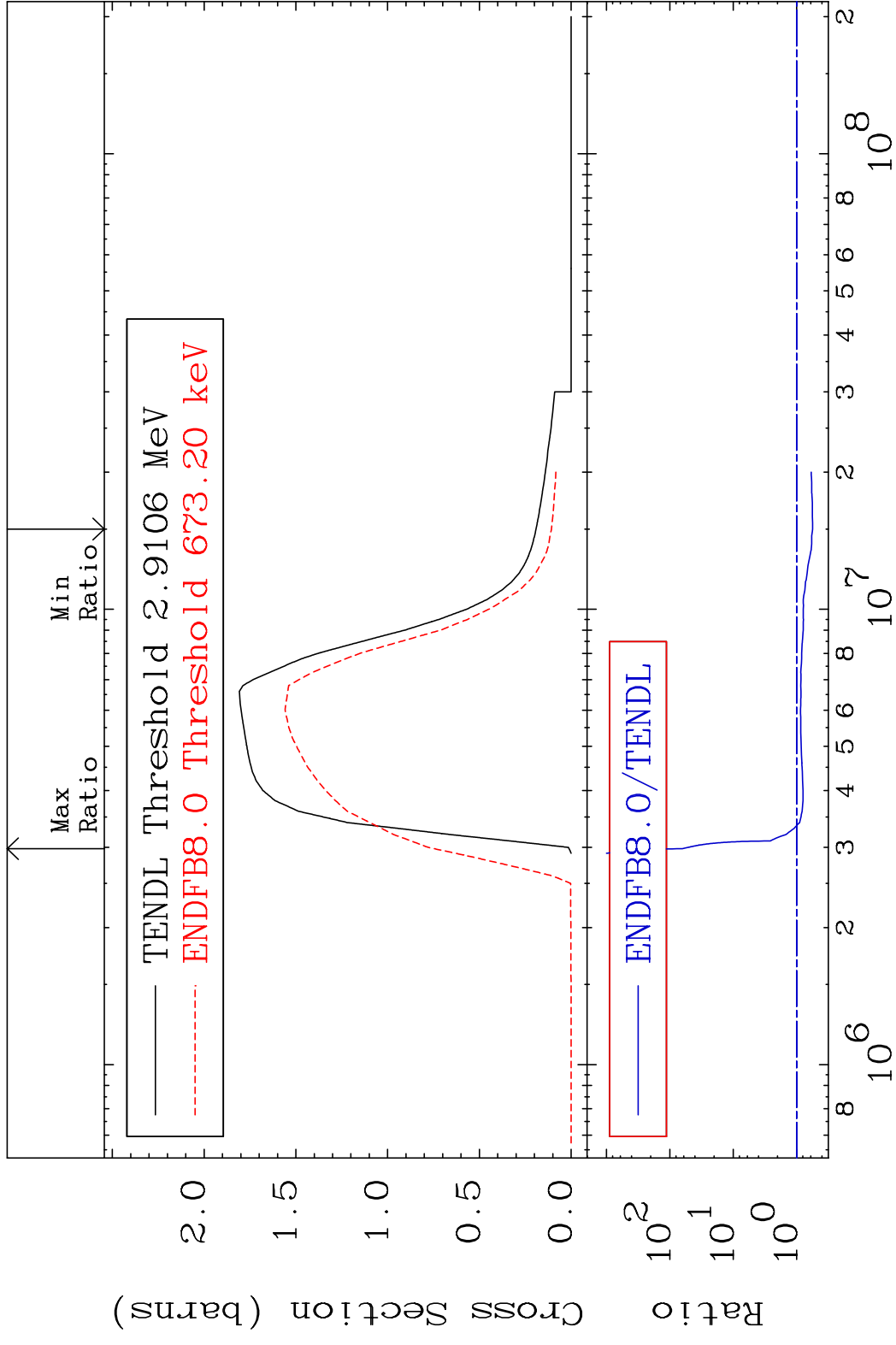
MAT 4040 MT= 68 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 21.54 %



MAT 4040 MT= 69 (n, n') Level 40-Zr-95
 Cross Section -100.0 To 105.2 %

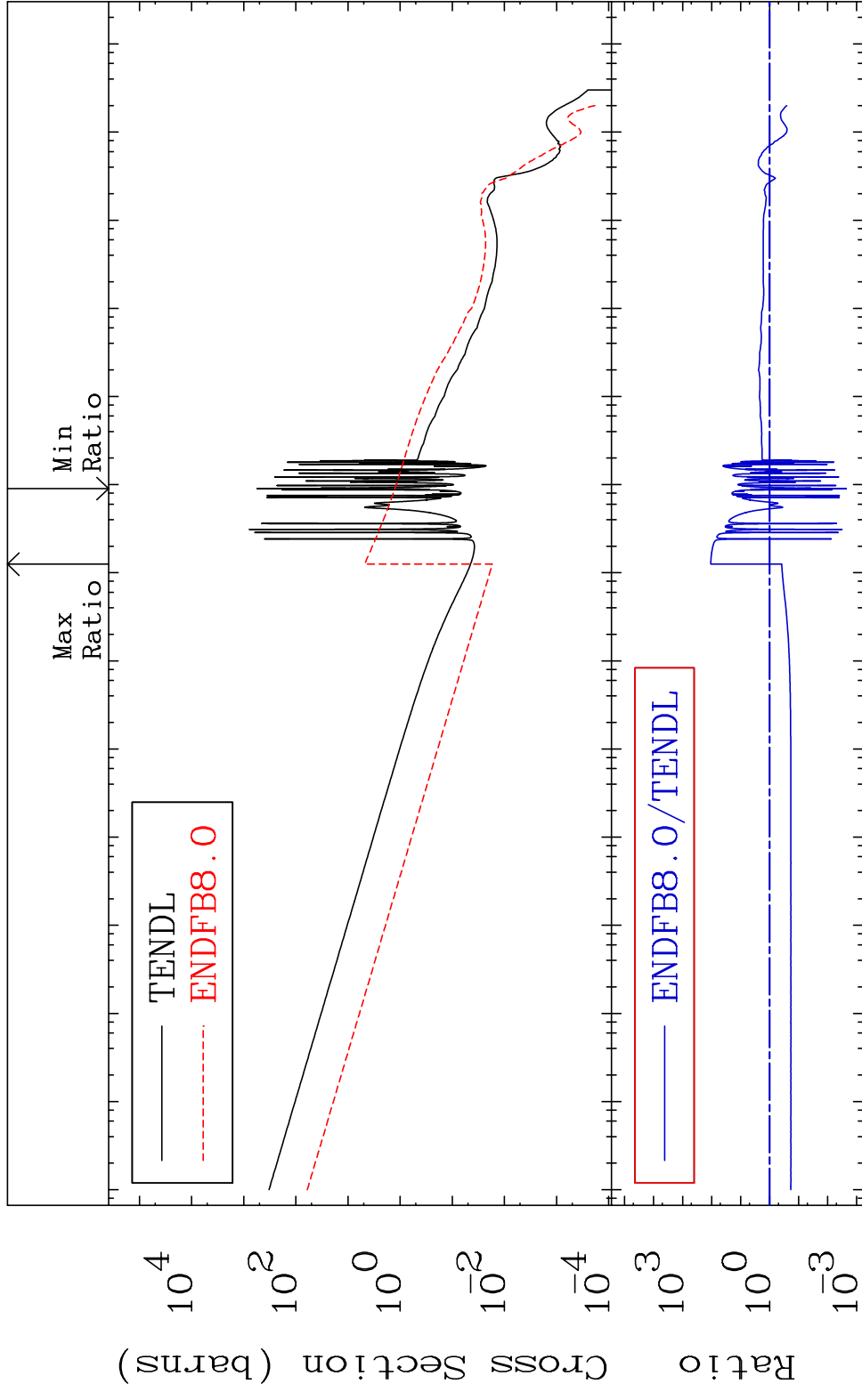


MAT 4040 (n,n') Continuum 40-Zr-95
 Cross Section -43.85 To 6239. %



MAT 4040

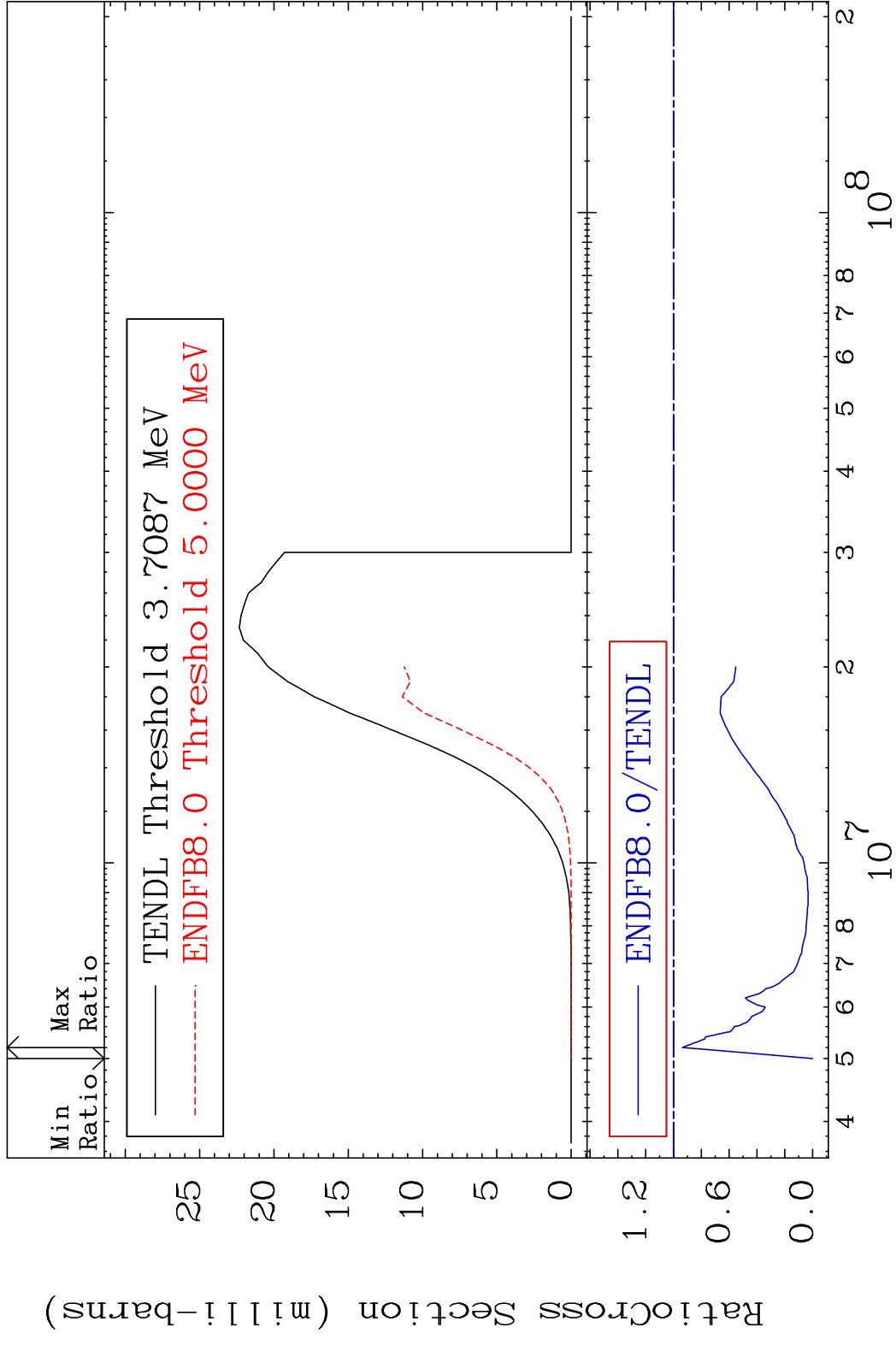
(n, γ)
Cross Section -99.77 To 9999. %
40-Zr-95



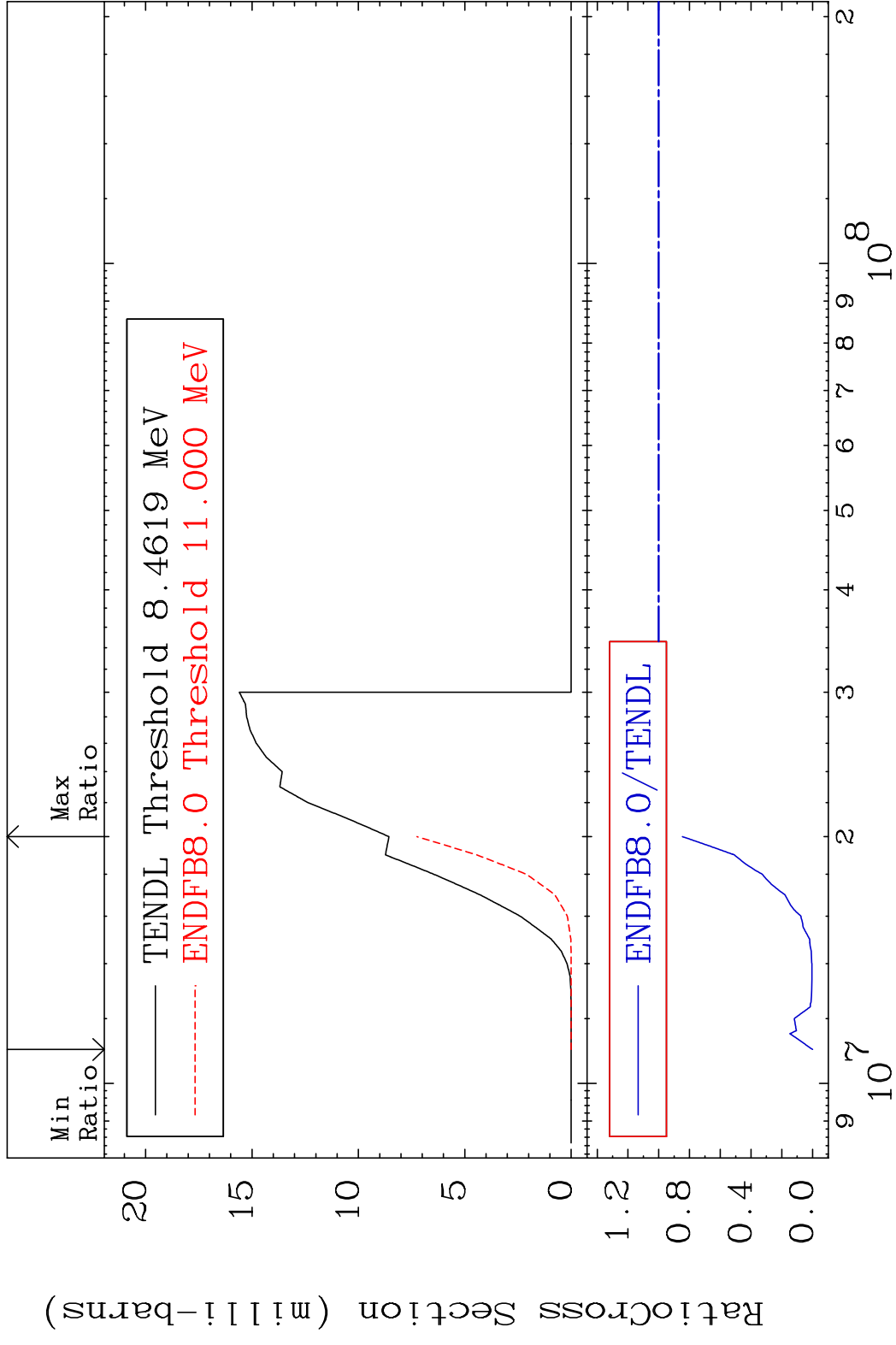
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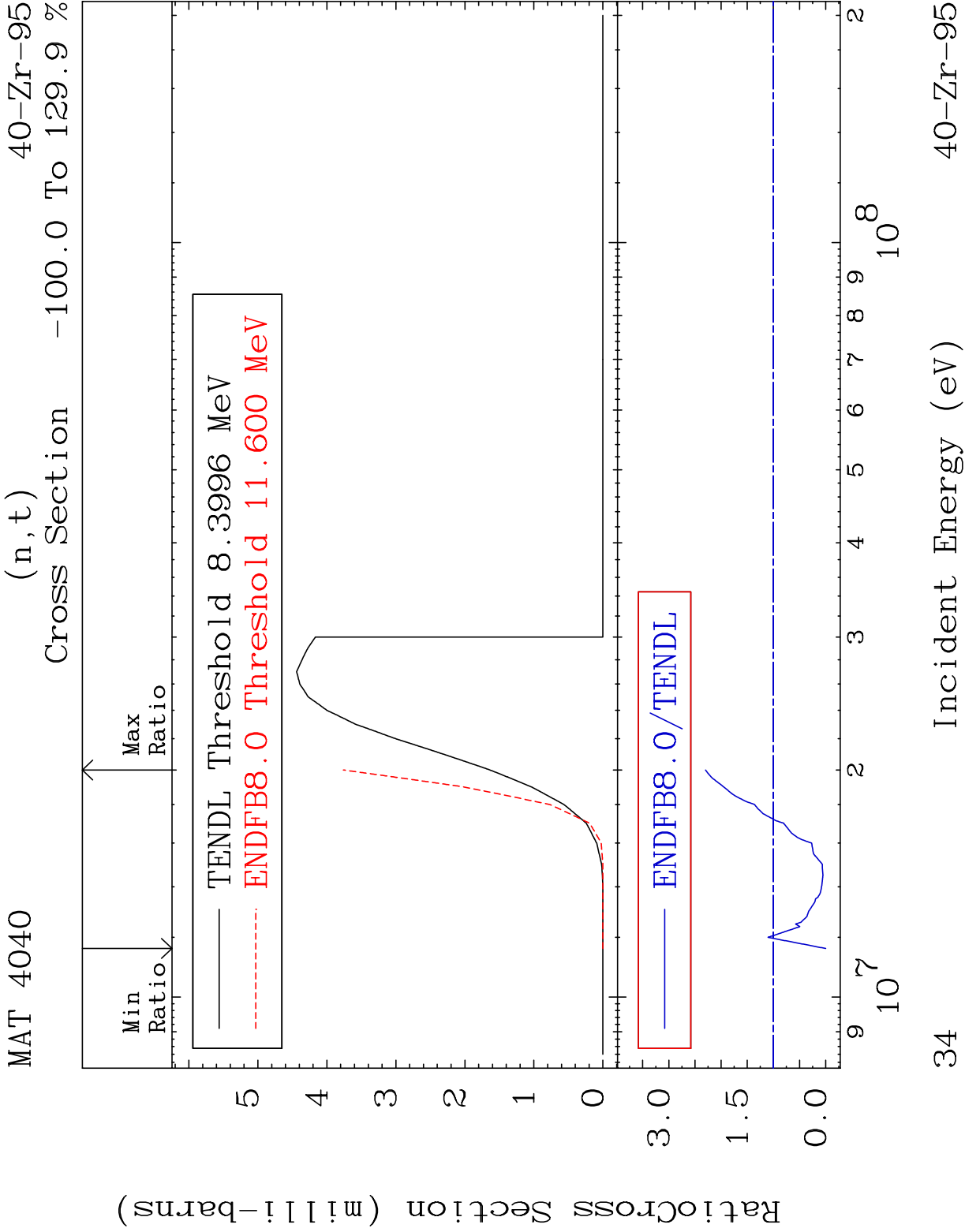
Incident Energy (eV) 40-Zr-95

MAT 4040 (n,p) 40-Zr-95
 Cross Section -100.0 To -6.413%



MAT 4040 (n,d) 40-Zr-95
 Cross Section -100.0 To -15.34%



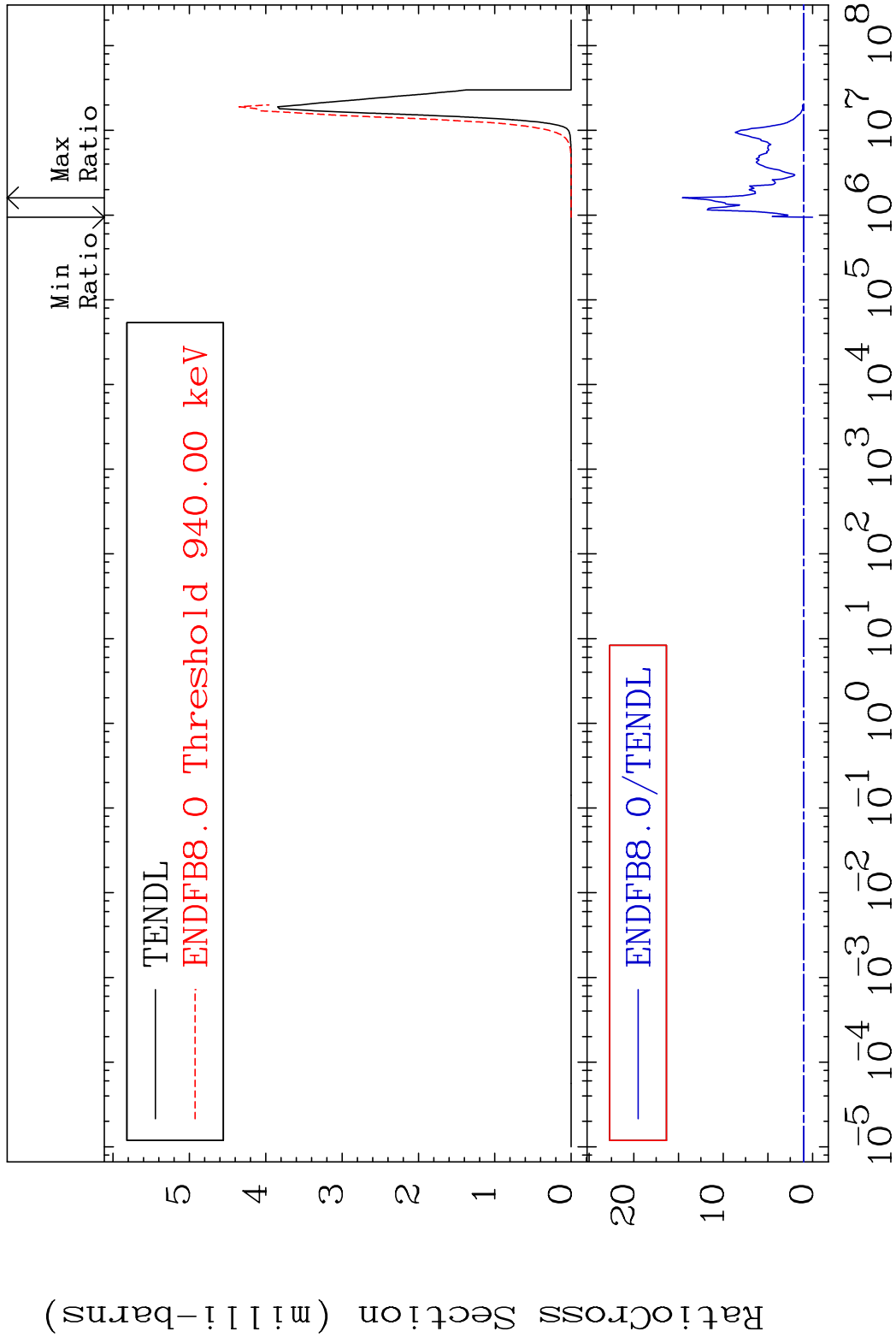


MAT 4040

(n, α)

40-Zr-95

Cross Section -100.0 To 1357. %



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Incident Energy (eV)

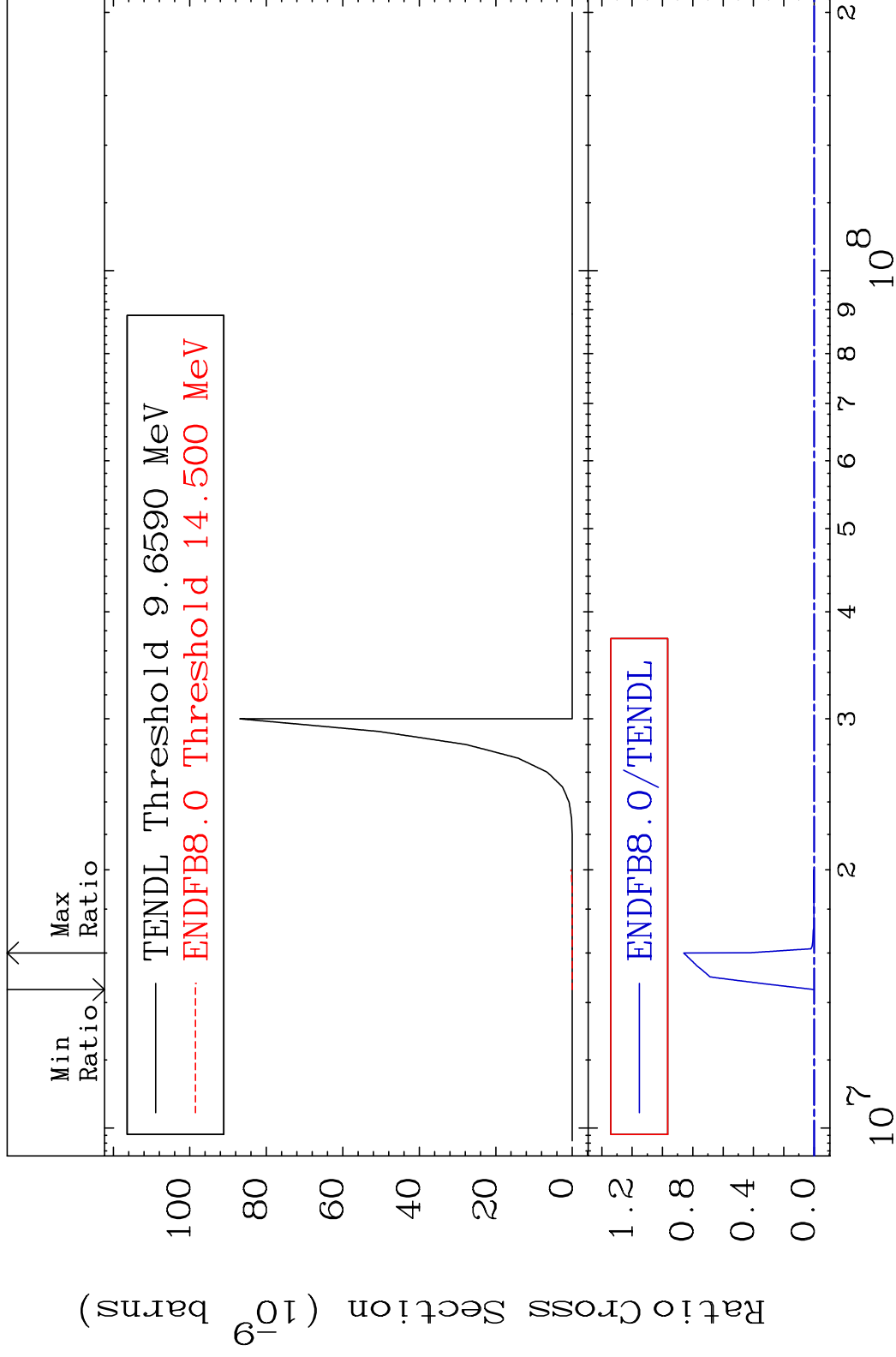
40-Zr-95

MAT 4040

(n,p) α

40-Zr-95

Cross Section -100.0 To 9999. %

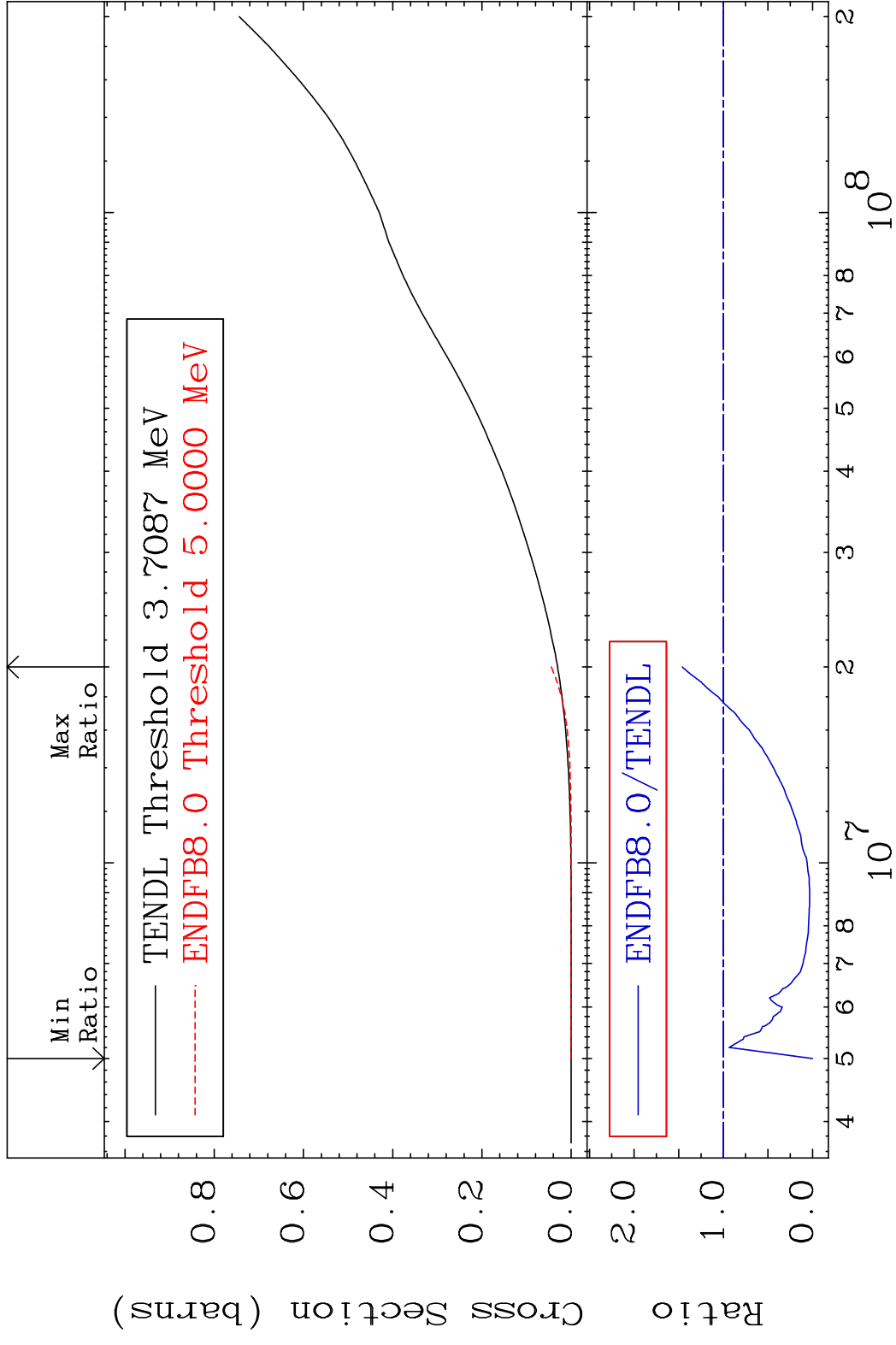


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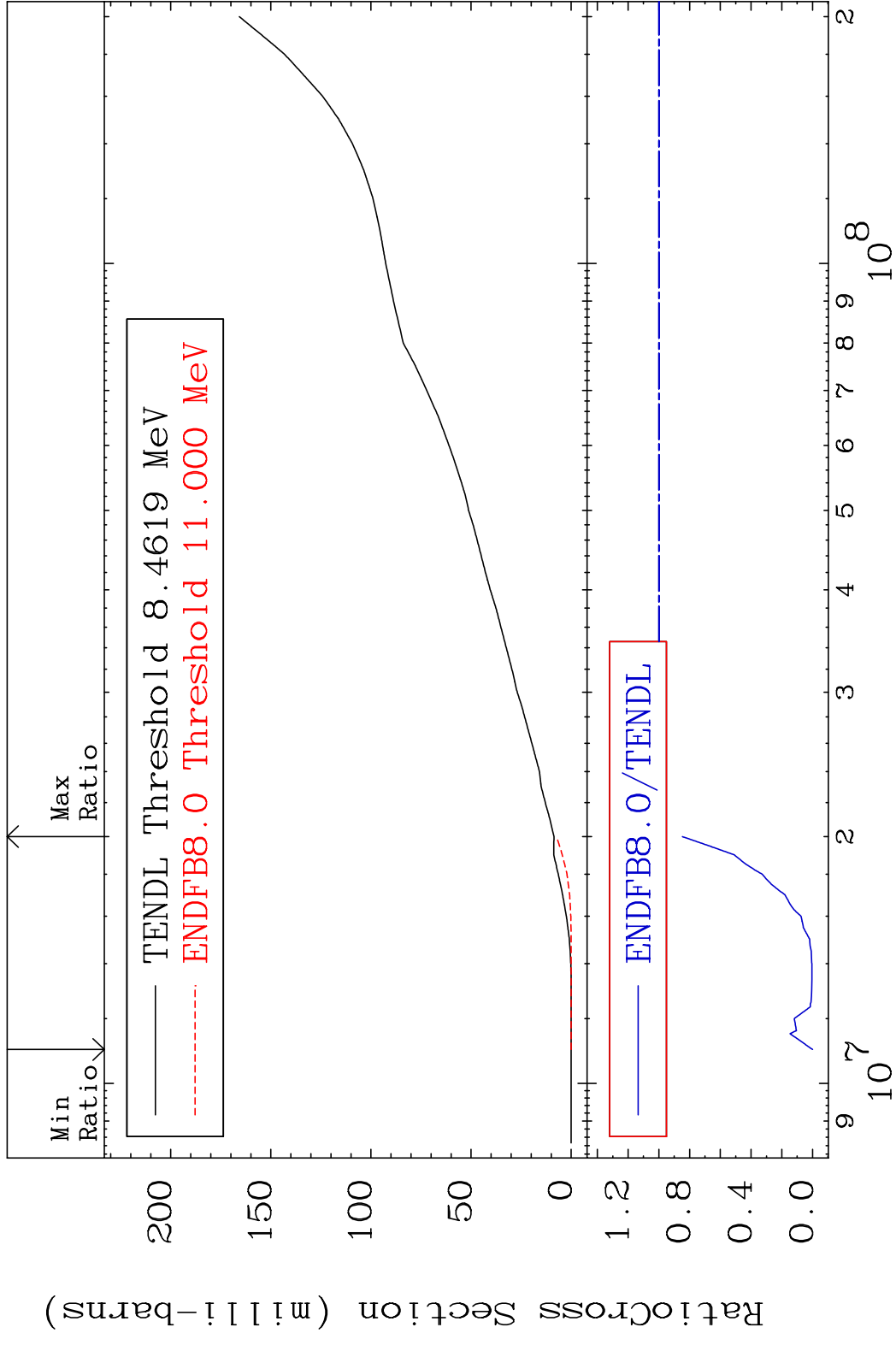
Incident Energy (eV)

40-Zr-95

MAT 4040 Hydrogen Production 40-Zr-95
 Cross Section -100.0 To 45.93 %



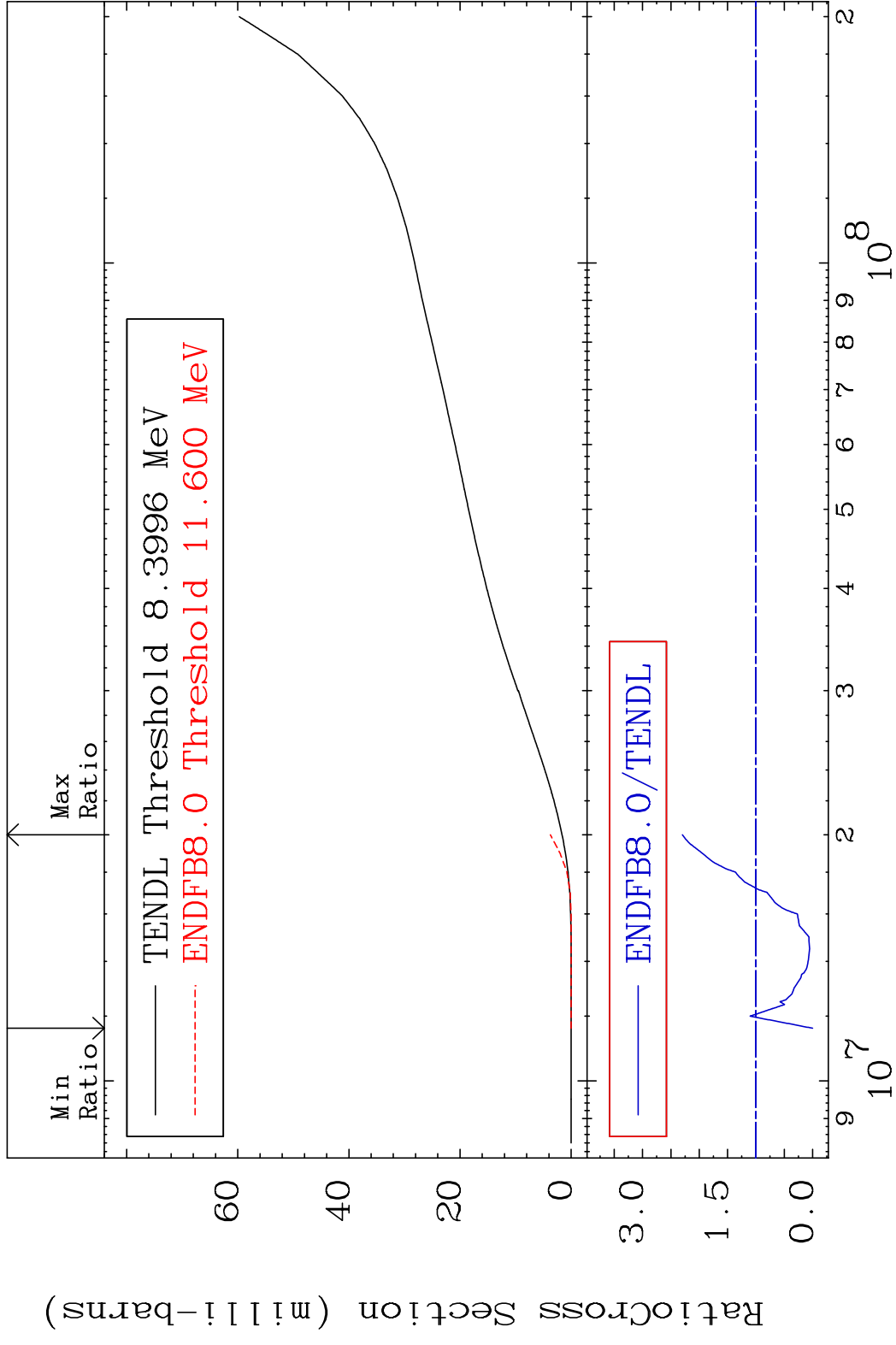
MAT 4040 Deuterium Production 40-Zr-95
 Cross Section -100.0 To -15.29%



MAT 4040

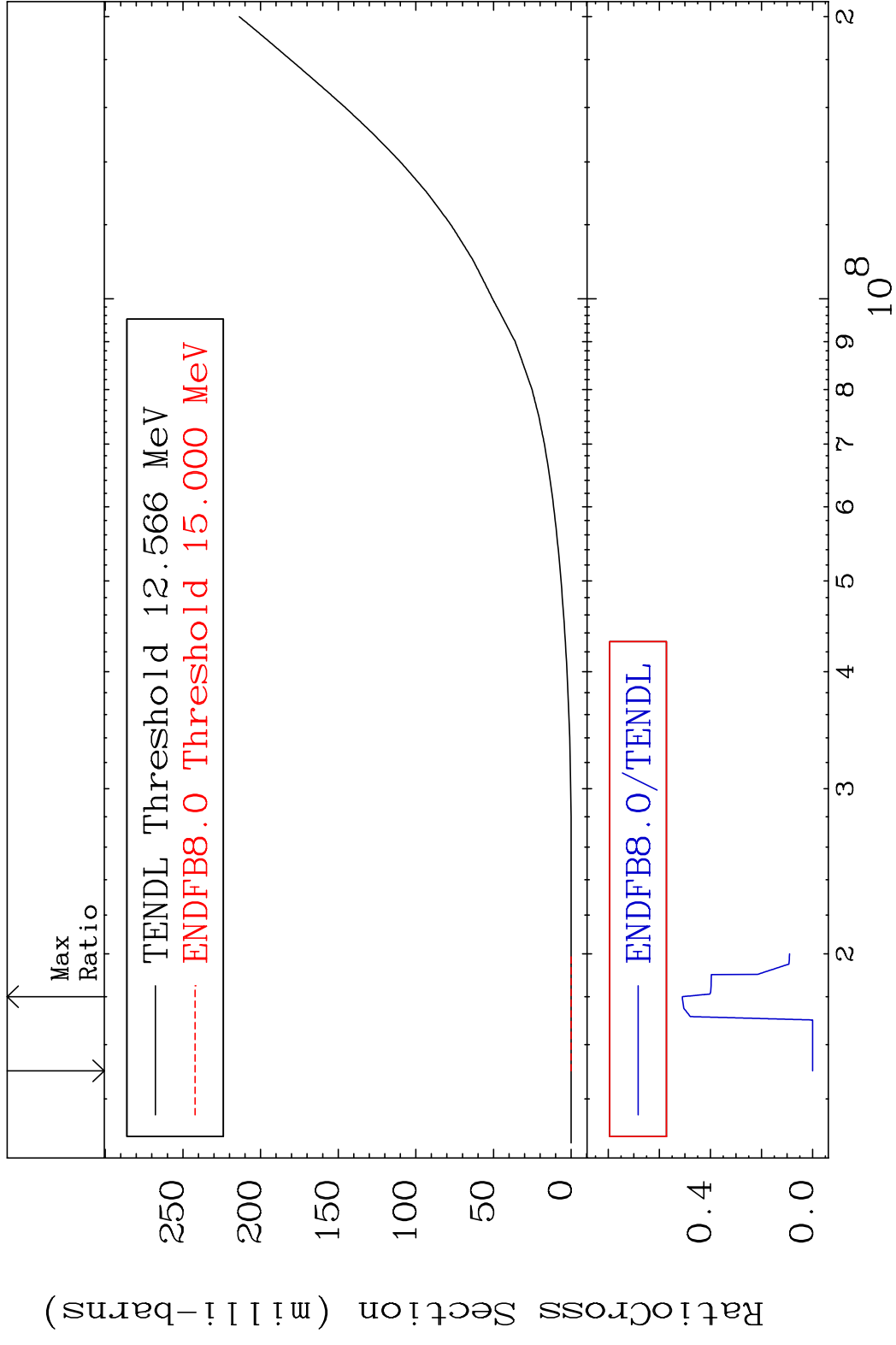
Tritium Production
Cross Section -100.0 To 129.8 %

40-Zr-95



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MAT 4040 He-3 Production 40-Zr-95
 Cross Section -100.0 To -49.04%



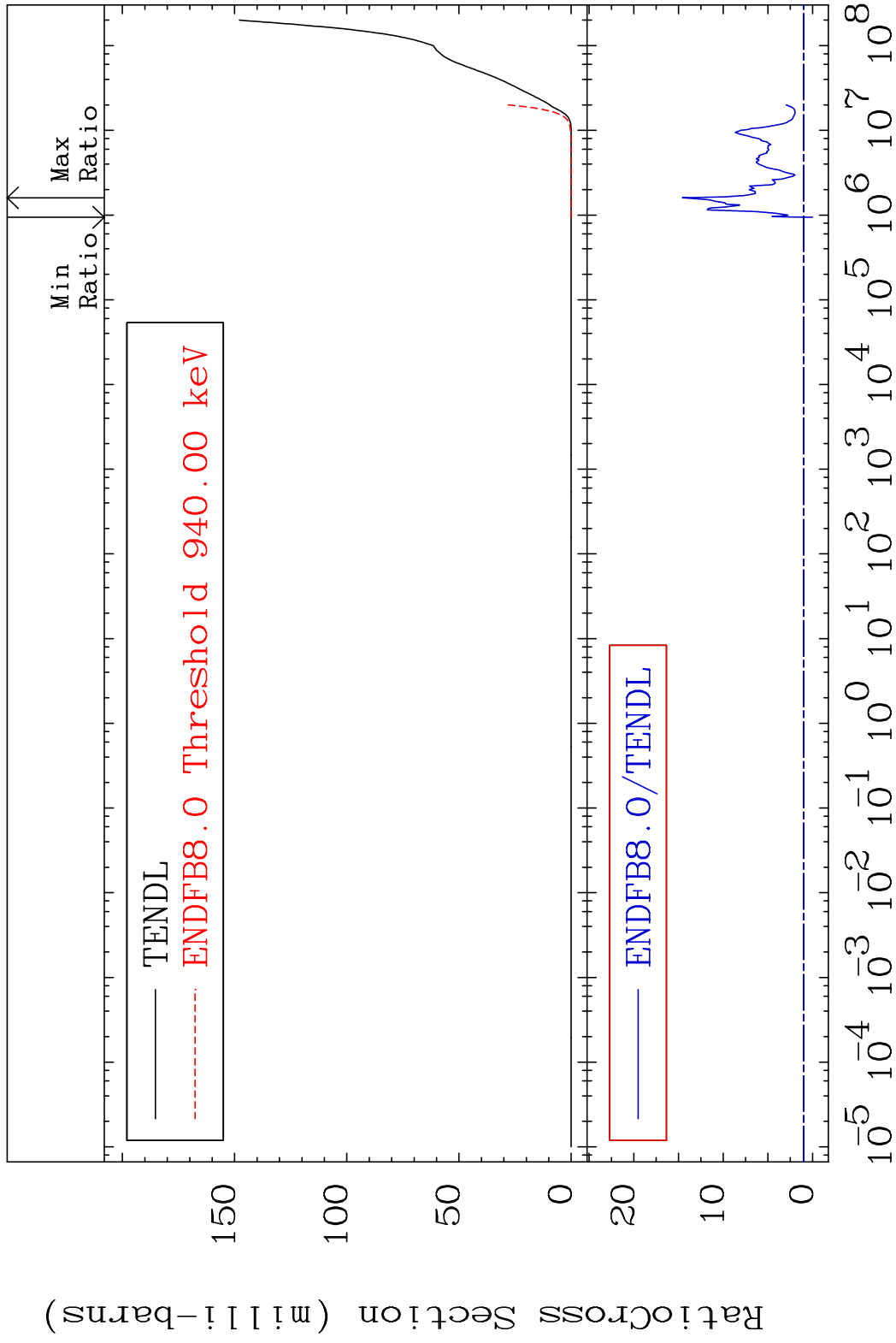
40 Incident Energy (eV) 40-Zr-95

MAT 4040

He-4 Production

40-Zr-95

Cross Section -100.0 To 1357. %

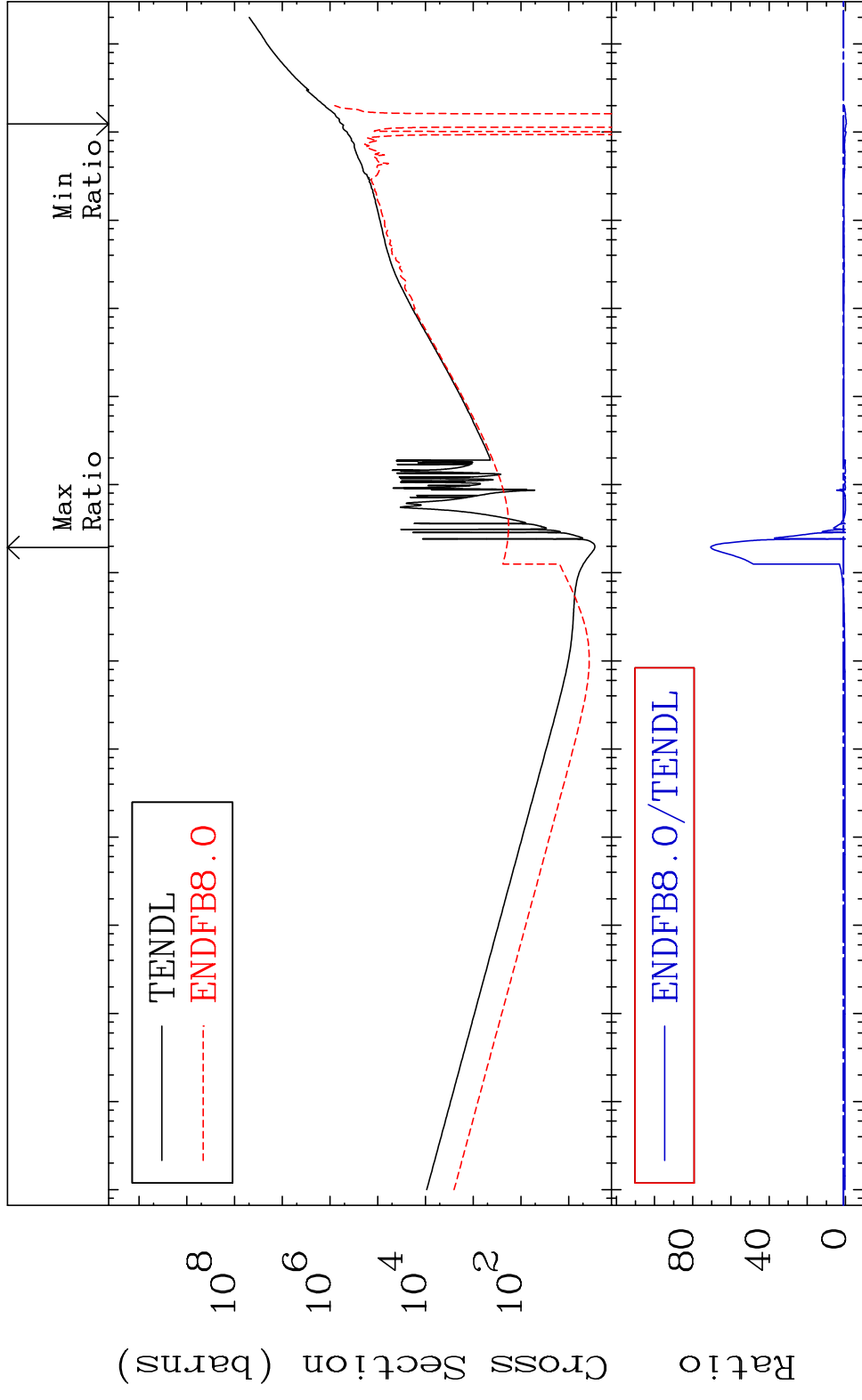


41

Incident Energy (eV)

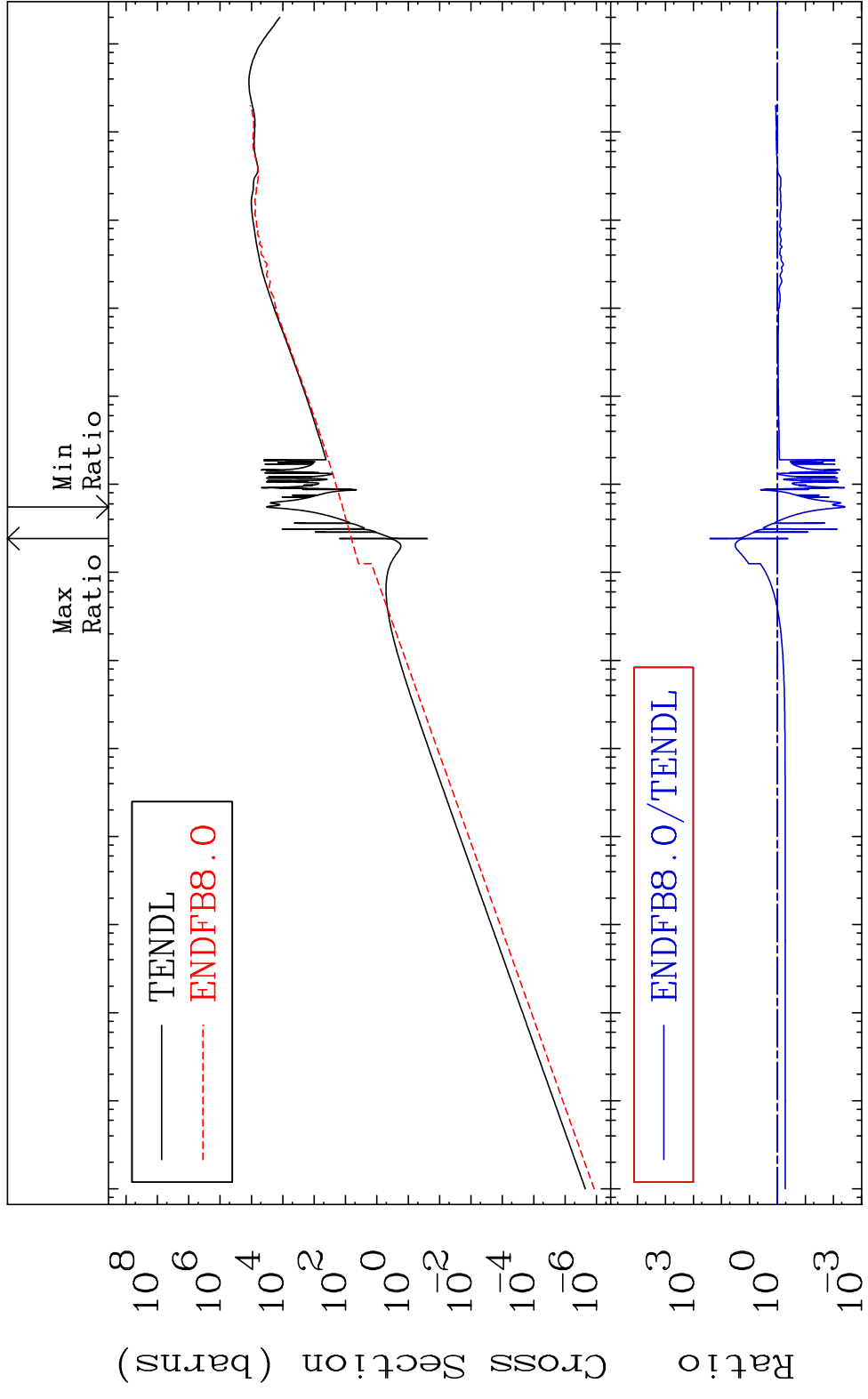
40-Zr-95

MAT 4040 Kerma total (eV-barns) 40-Zr-95
 Cross Section -144.1 To 6958. %

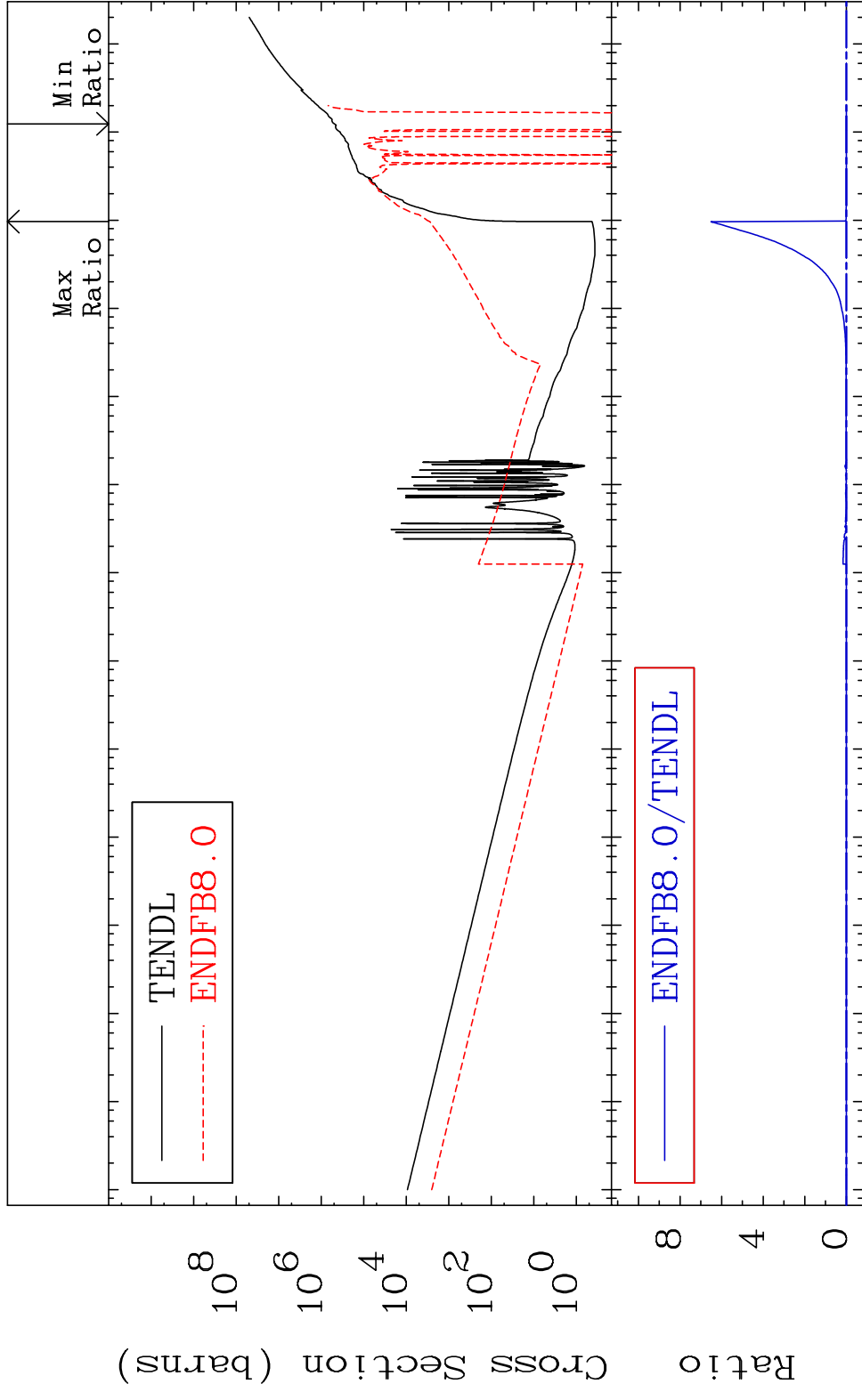


42 Incident Energy (eV) 40-Zr-95

MAT 4040 Kerma elastic Cross Section -99.62 To 9999. % 40-Zr-95

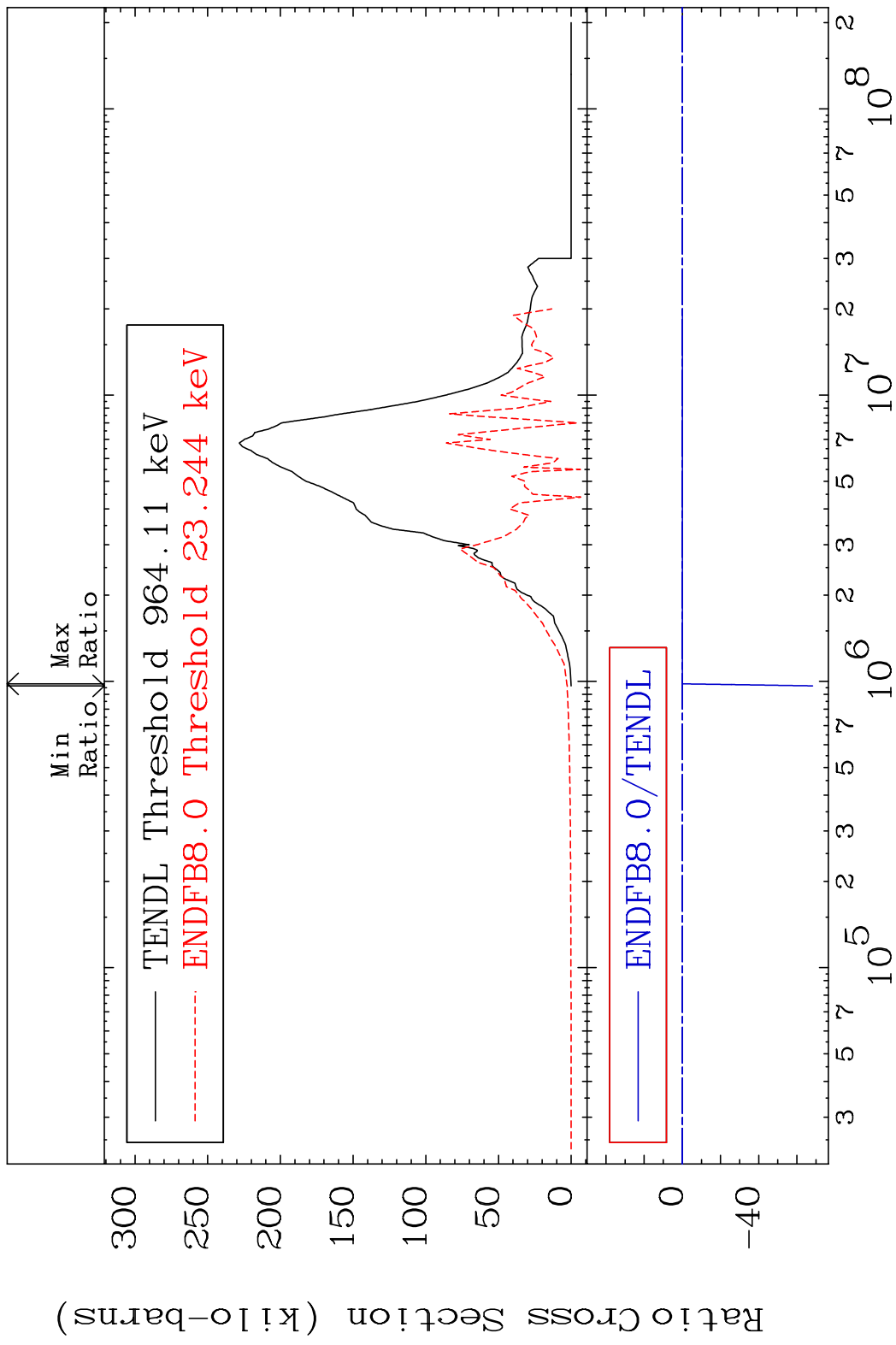


MAT 4040 Kerma non-elastic (all but mt2) 40-Zr-95
 Cross Section -168.2 To 9999. %

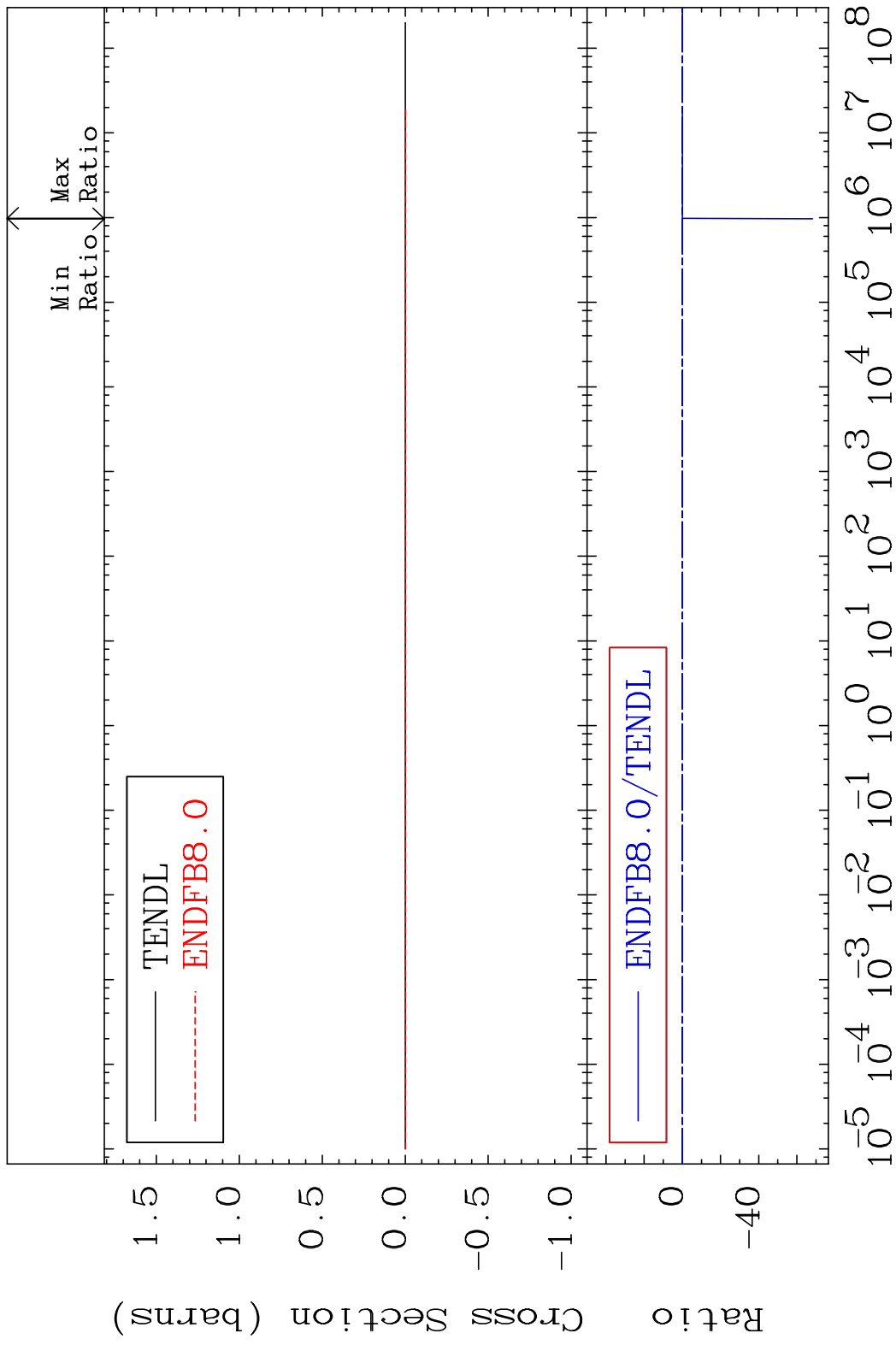


44 Incident Energy (eV) 40-Zr-95

MAT 4040 Kerma inelastic (mt51-91) 40-Zr-95
 Cross Section -9999. To 3827. %

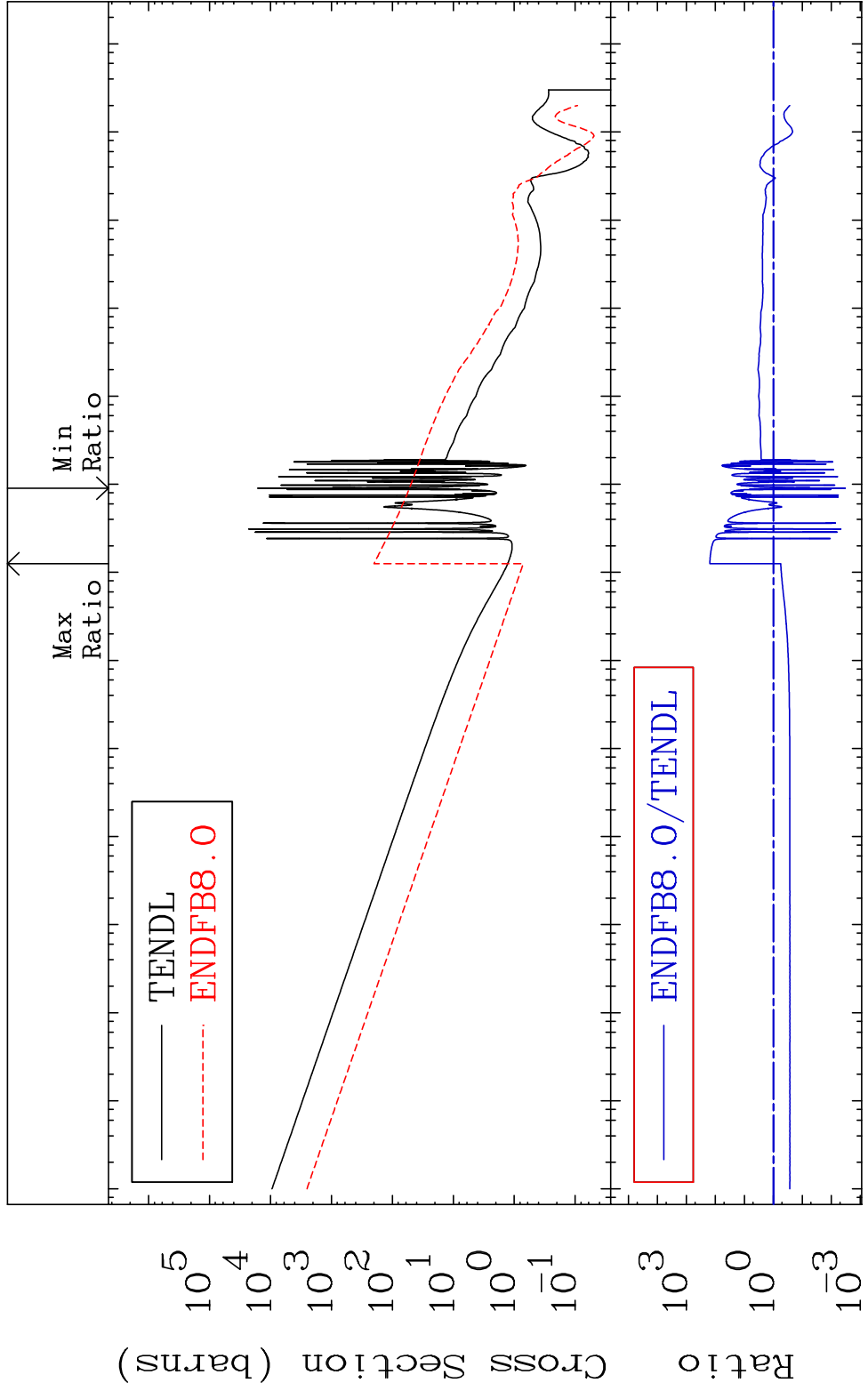


MAT 4040 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-95
 Cross Section -9999. To 3827. %



MAT 4040

Kerma capture (mt102) 40-Zr-95
Cross Section -99.67 To 9999. %

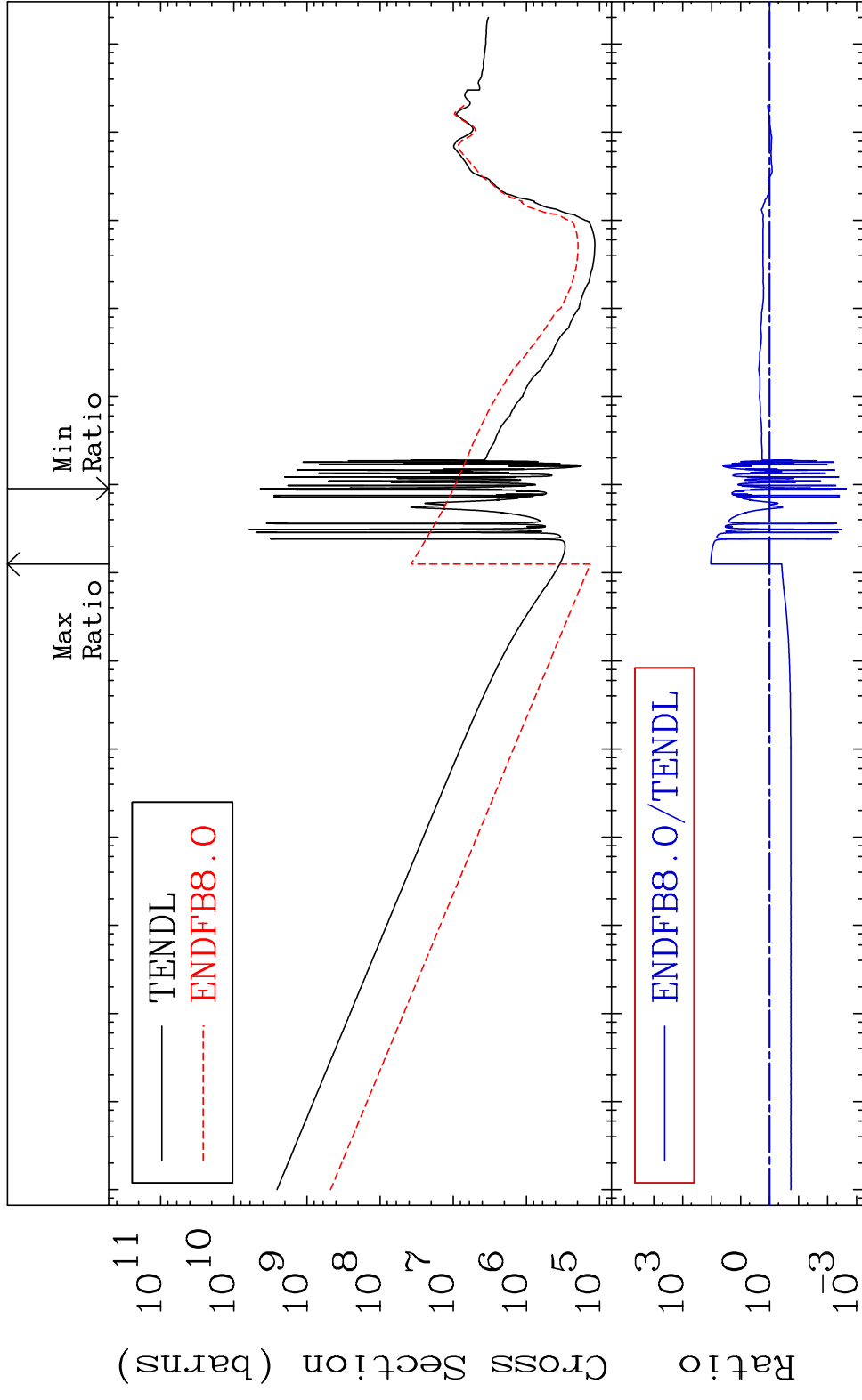


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Incident Energy (eV)

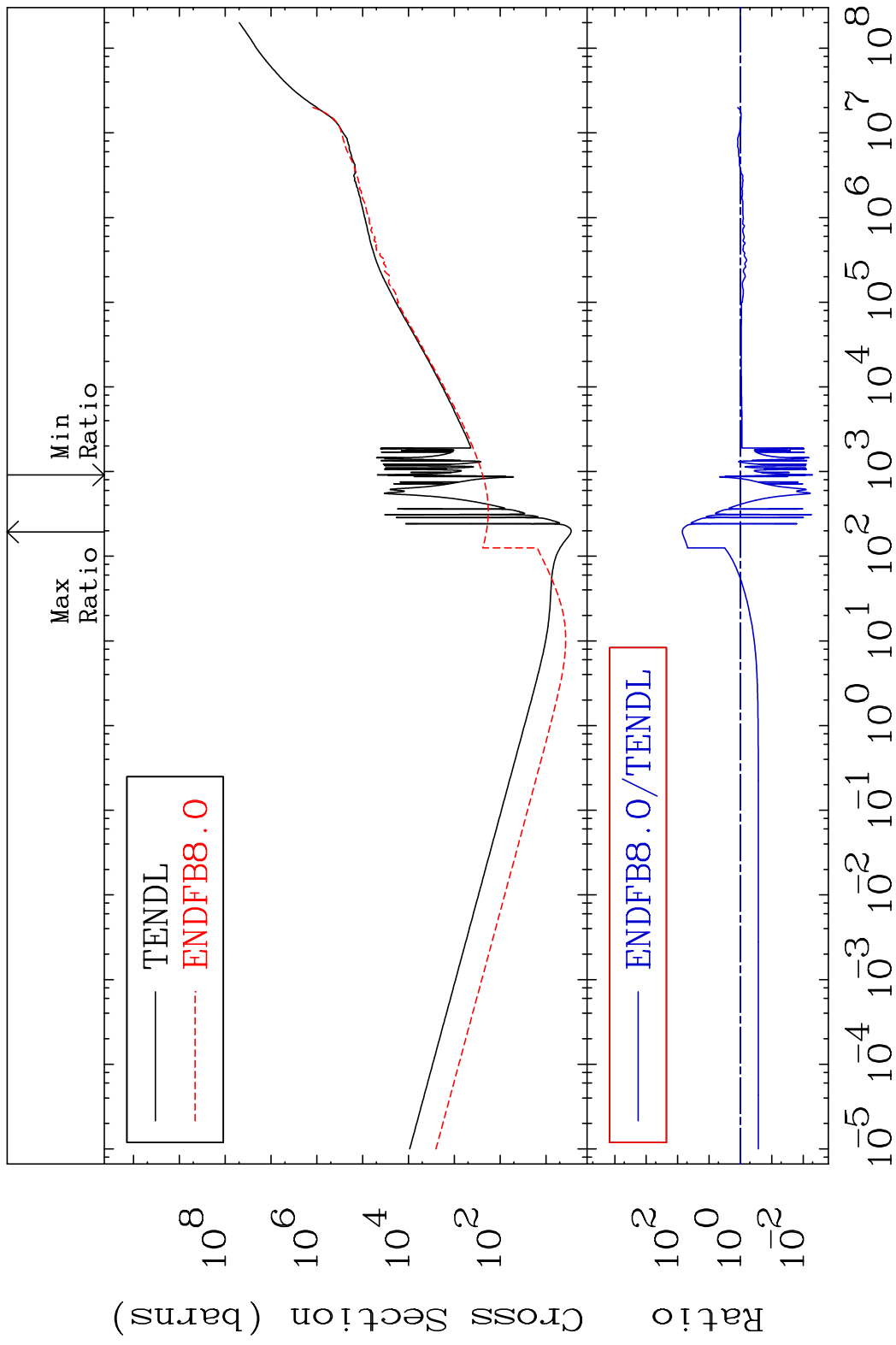
40-Zr-95

MAT 4040 Total photon (eV-barns) 40-Zr-95
 Cross Section -99.77 To 9999. %

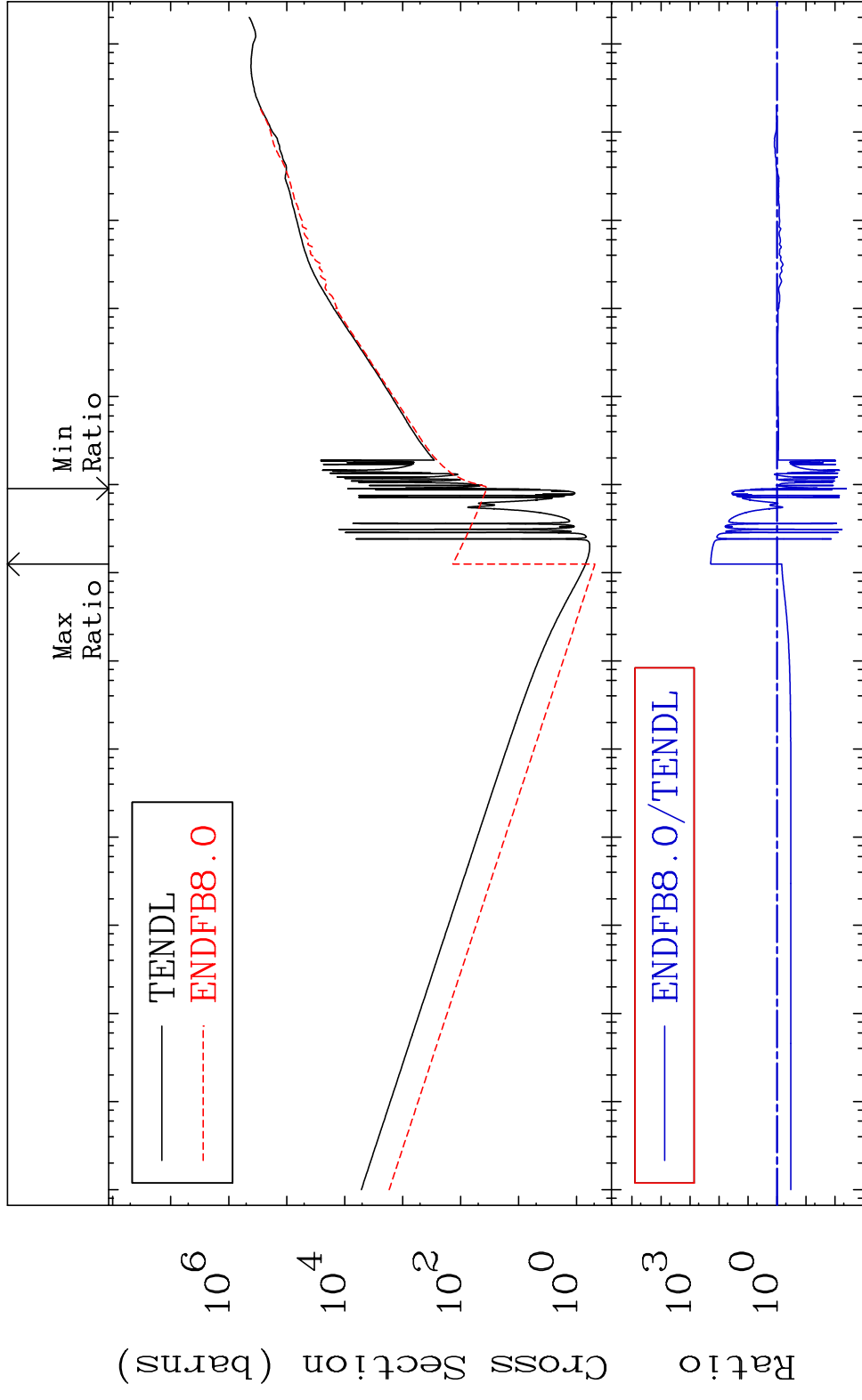


48 Incident Energy (eV) 40-Zr-95

MAT 4040 Total kinematic kerma (high limit) 40-Zr-95
 Cross Section -99.50 To 6958. %

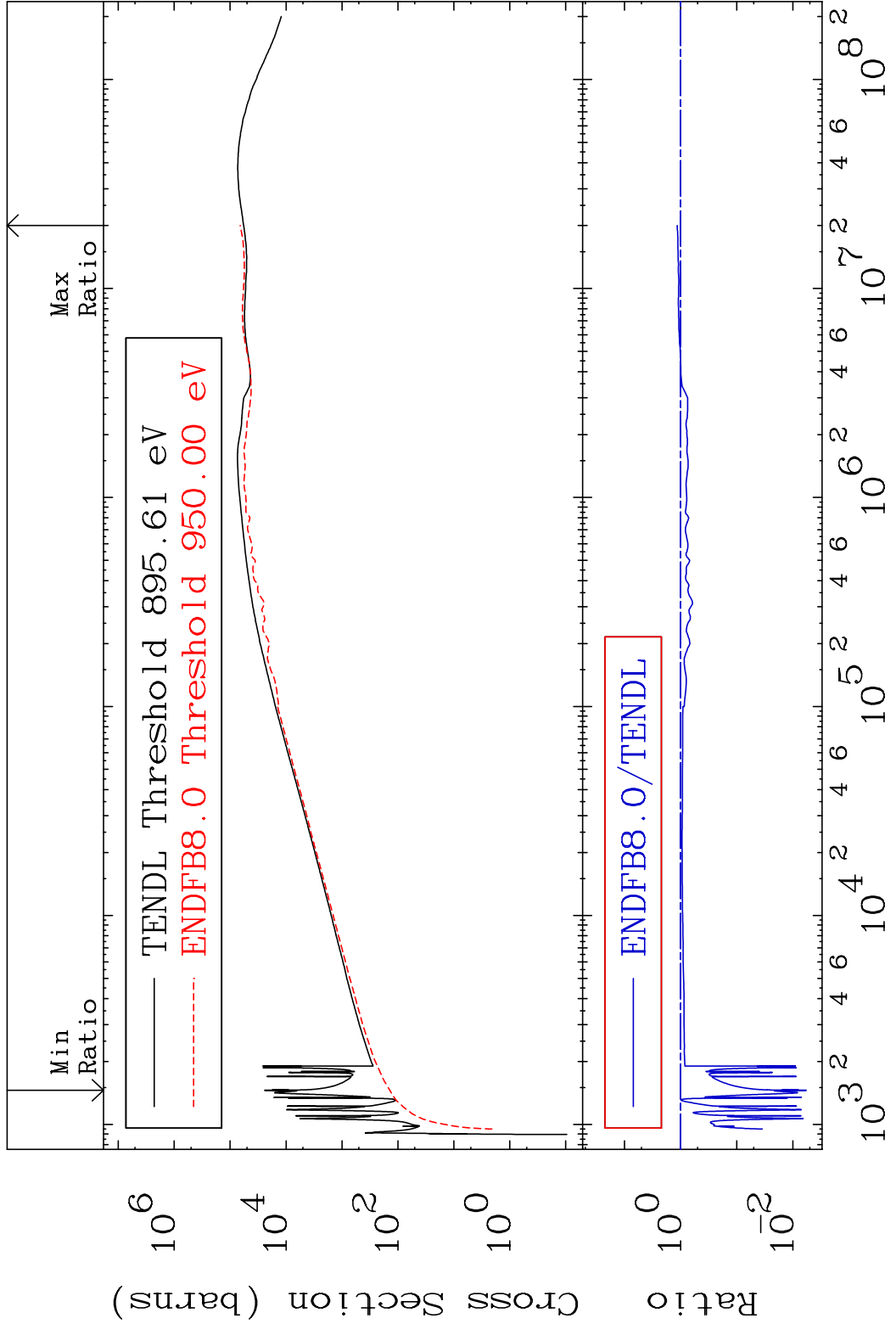


MAT 4040 Dpa total (eV-barns) 40-Zr-95
 Cross Section -99.59 To 9999. %

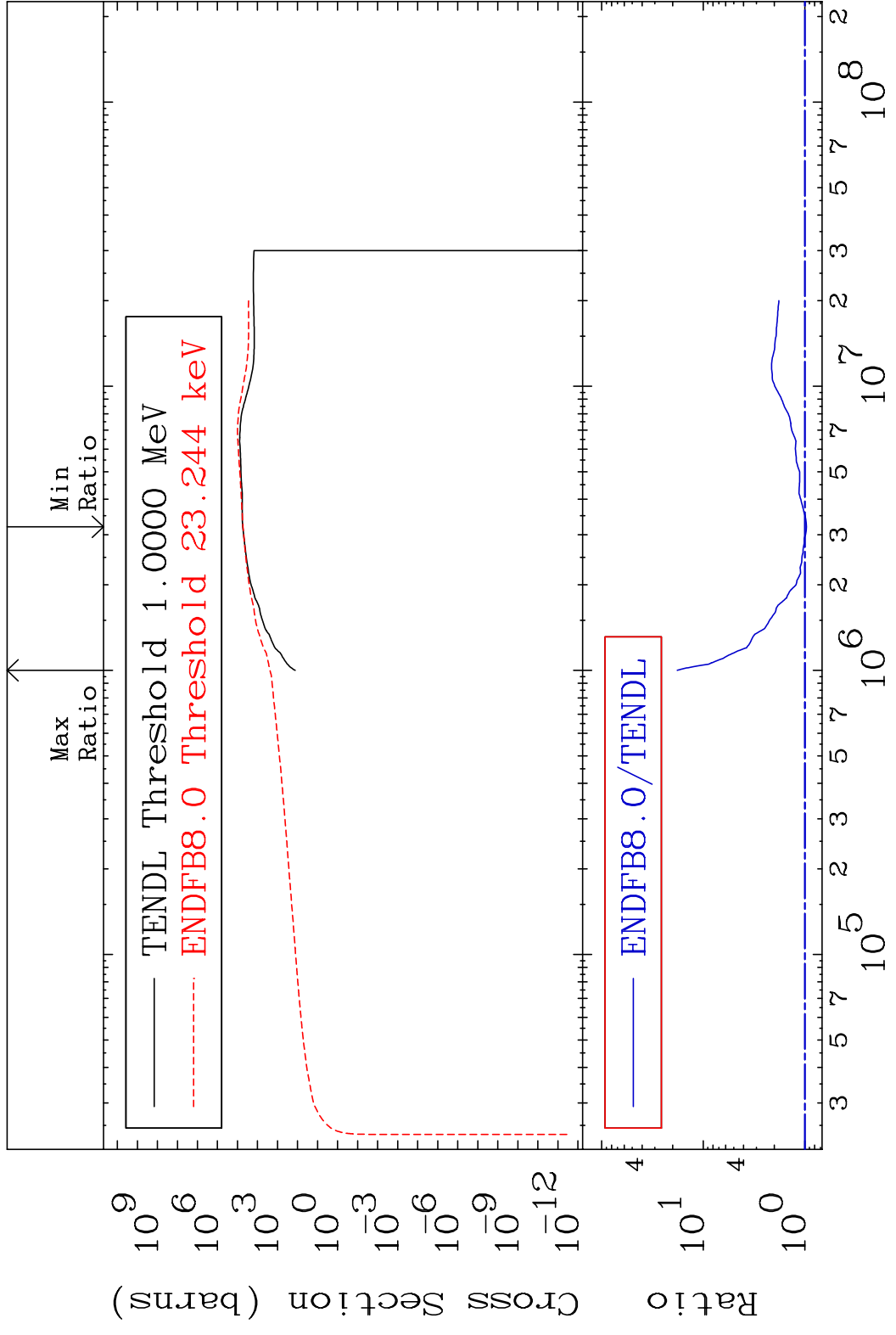


50 Incident Energy (eV) 40-Zr-95

MAT 4040 Dpa elastic (mt2) 40-Zr-95
 Cross Section -99.42 To 15.29 %



MAT 4040 Dpa inelastic (mt51-91) 40-Zr-95
 Cross Section -3.609 To 1705. %



MAT 4040 Dpa disappearance (mt102 -120) 40-Zr-95
 Cross Section -99.59 To 9999. %

