

Program Complot
(Version 2021-1)

by

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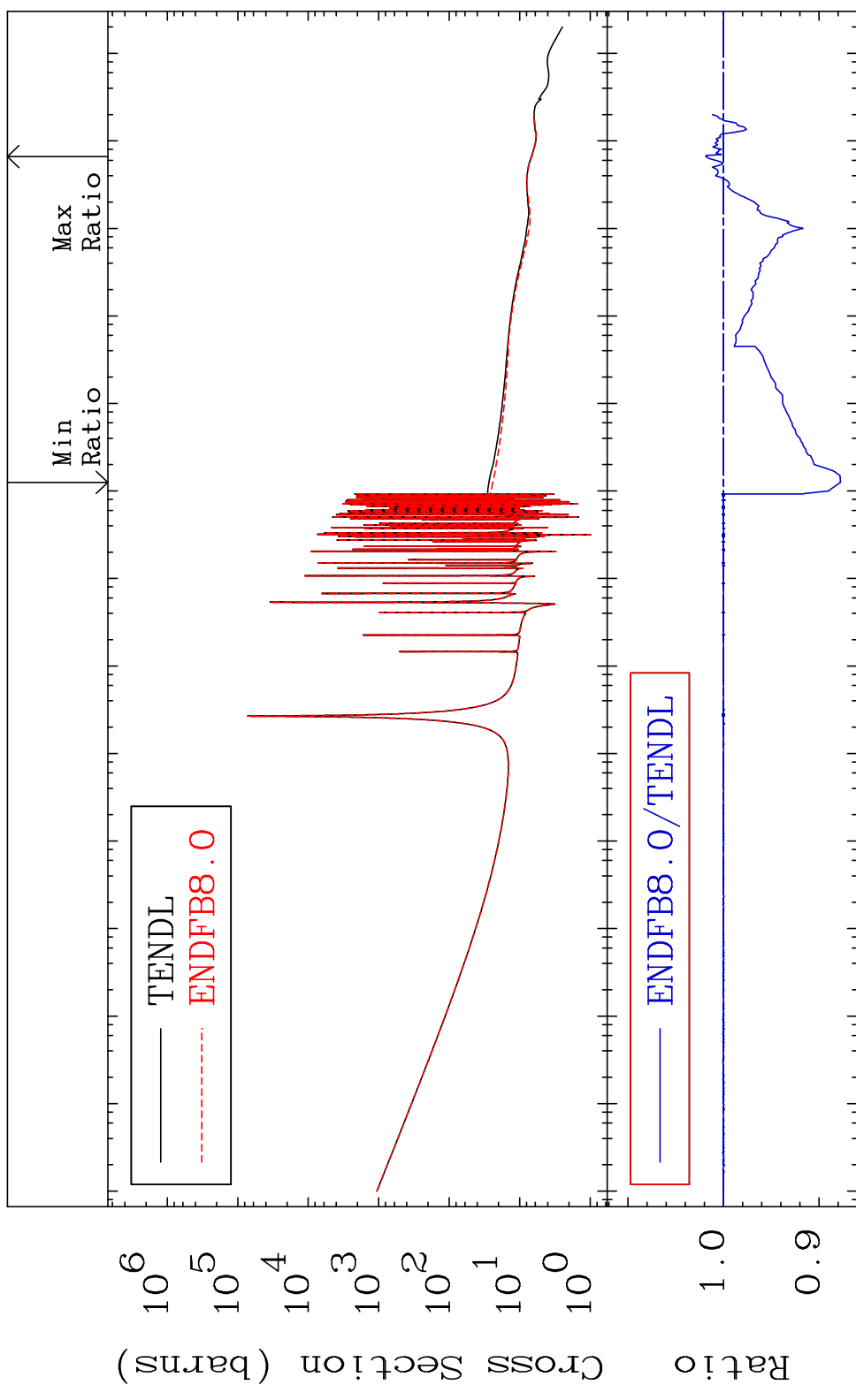
Press Mouse Button to Start

MAT 9446

Total

94-Pu-242

Cross Section -12.24 To 1.853 %



1

Incident Energy (eV)

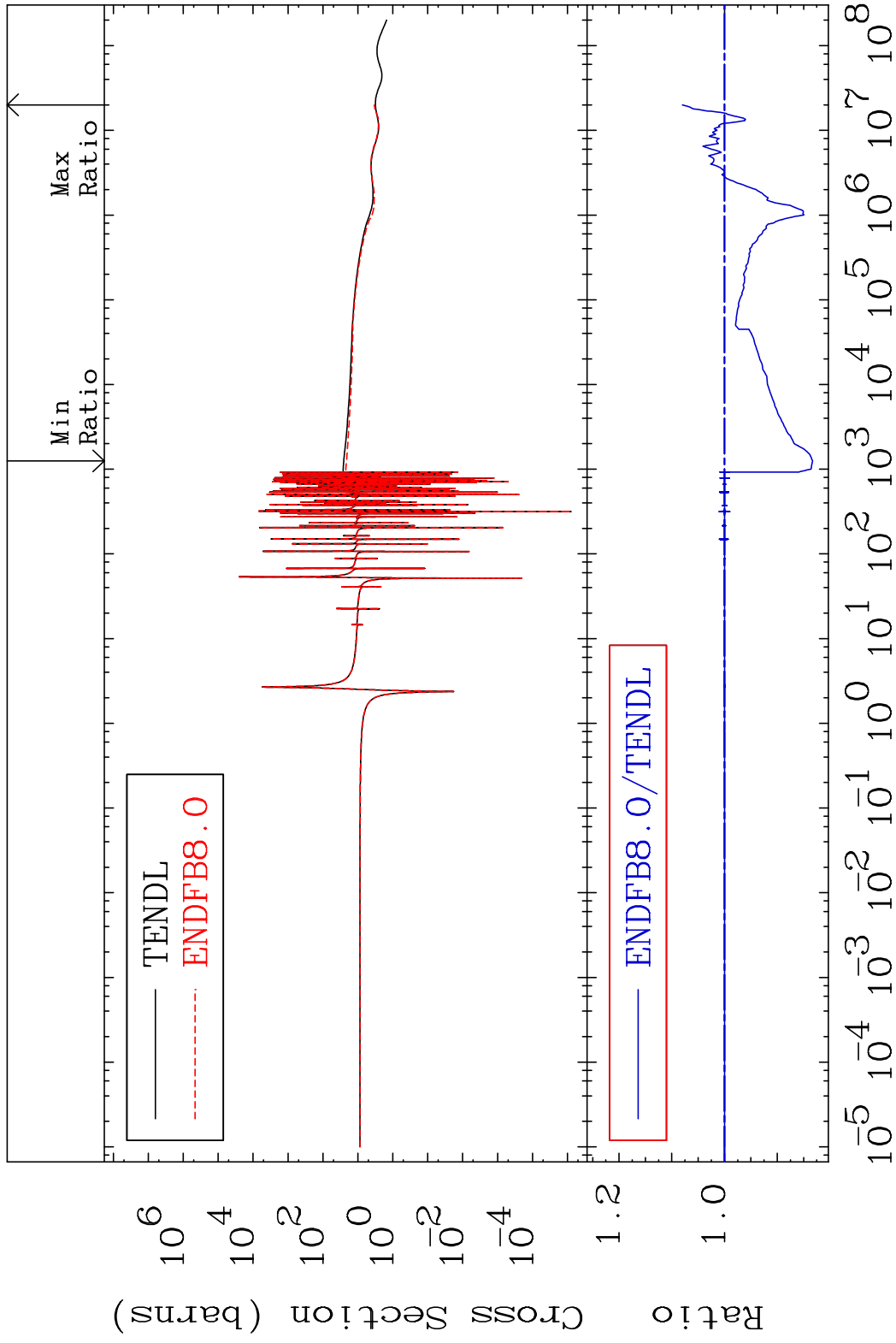
94-Pu-242

MAT 9446

Elastic

94-Pu-242

Cross Section -16.70 To 7.994 %

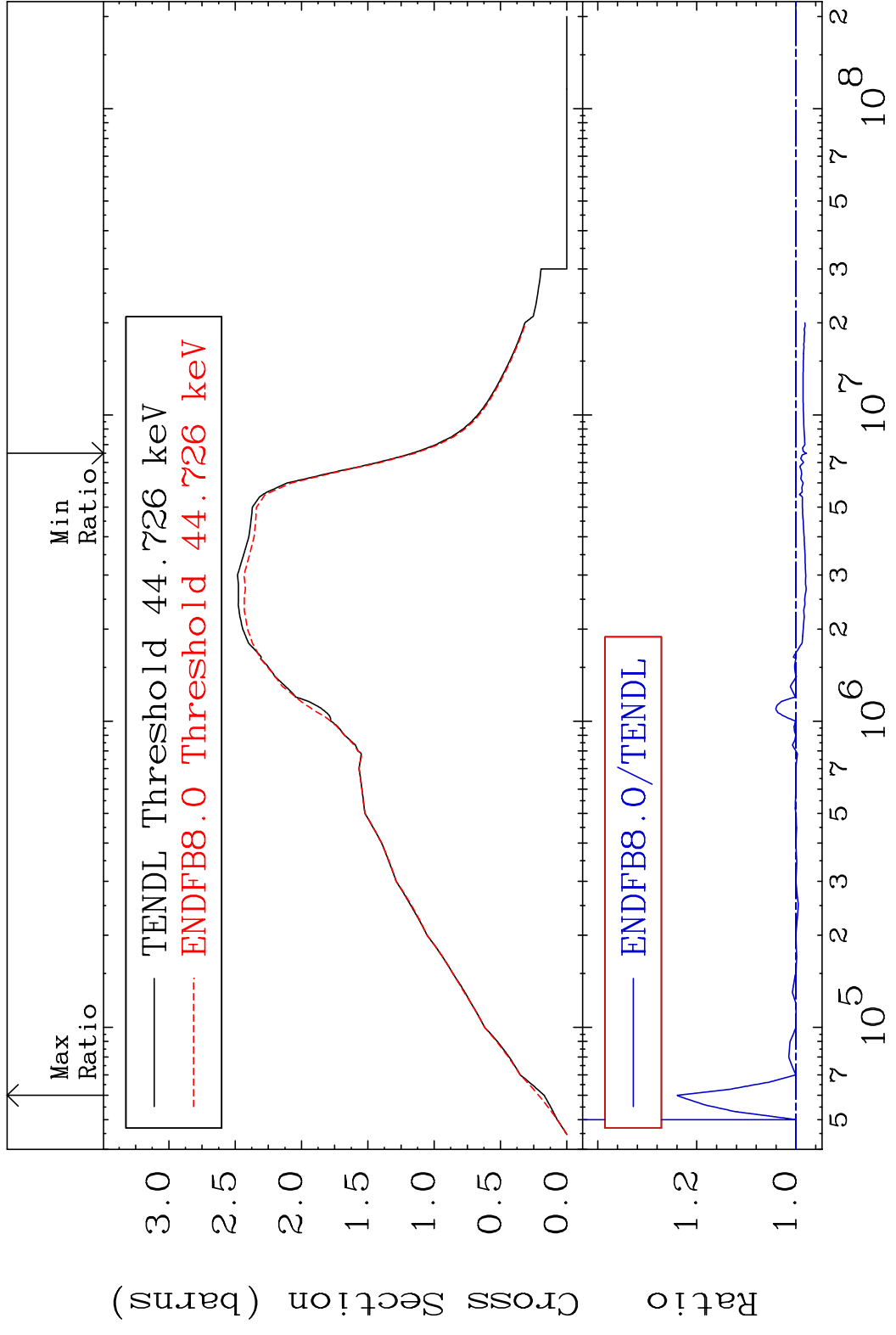


2

Incident Energy (eV)

94-Pu-242

MAT 9446 Inelastic 94-Pu-242
 Cross Section -2.122 To 23.96 %

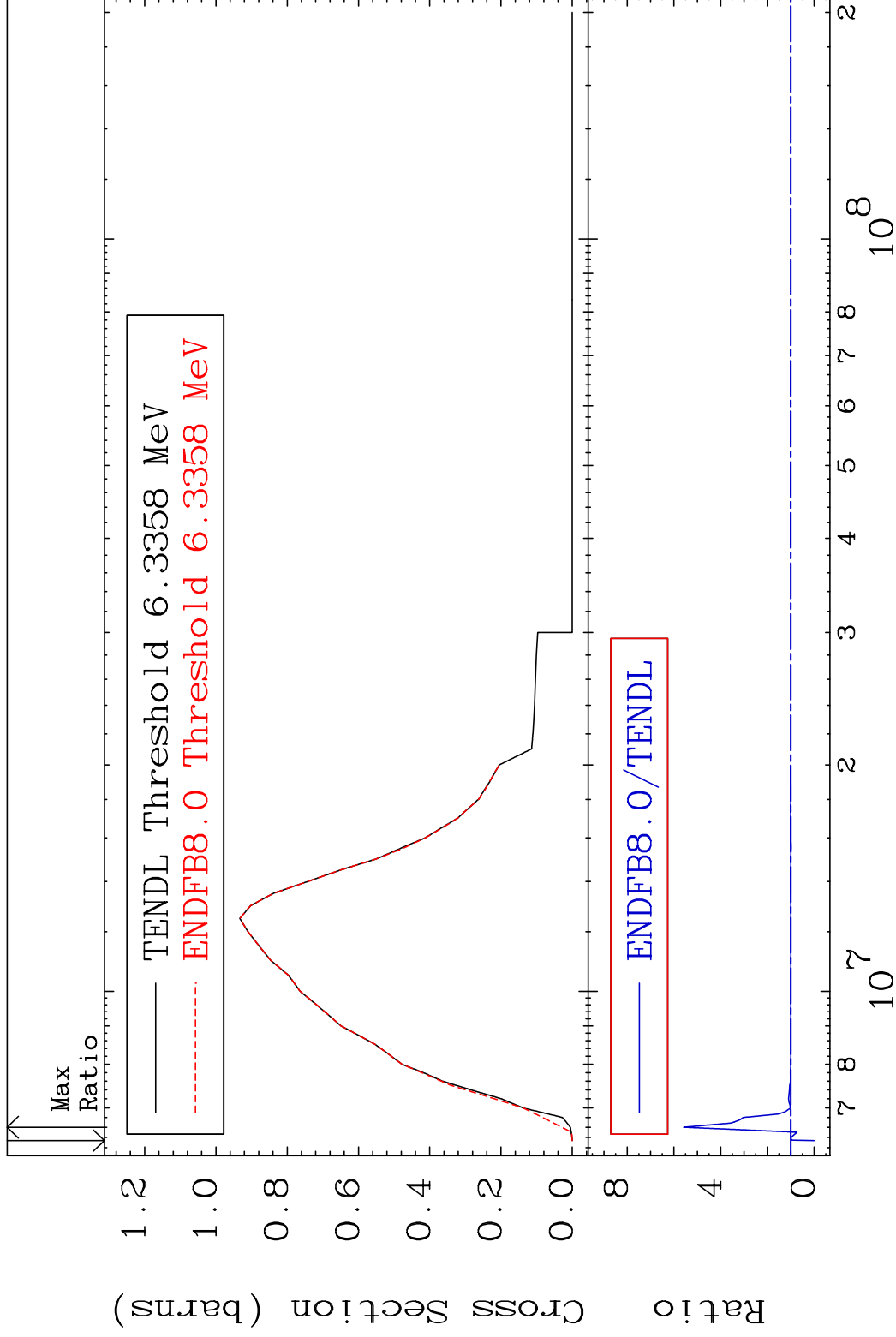


MAT 9446

(n,2n)

94-Pu-242

Cross Section -100.0 To 458.4 %



4

Incident Energy (eV)

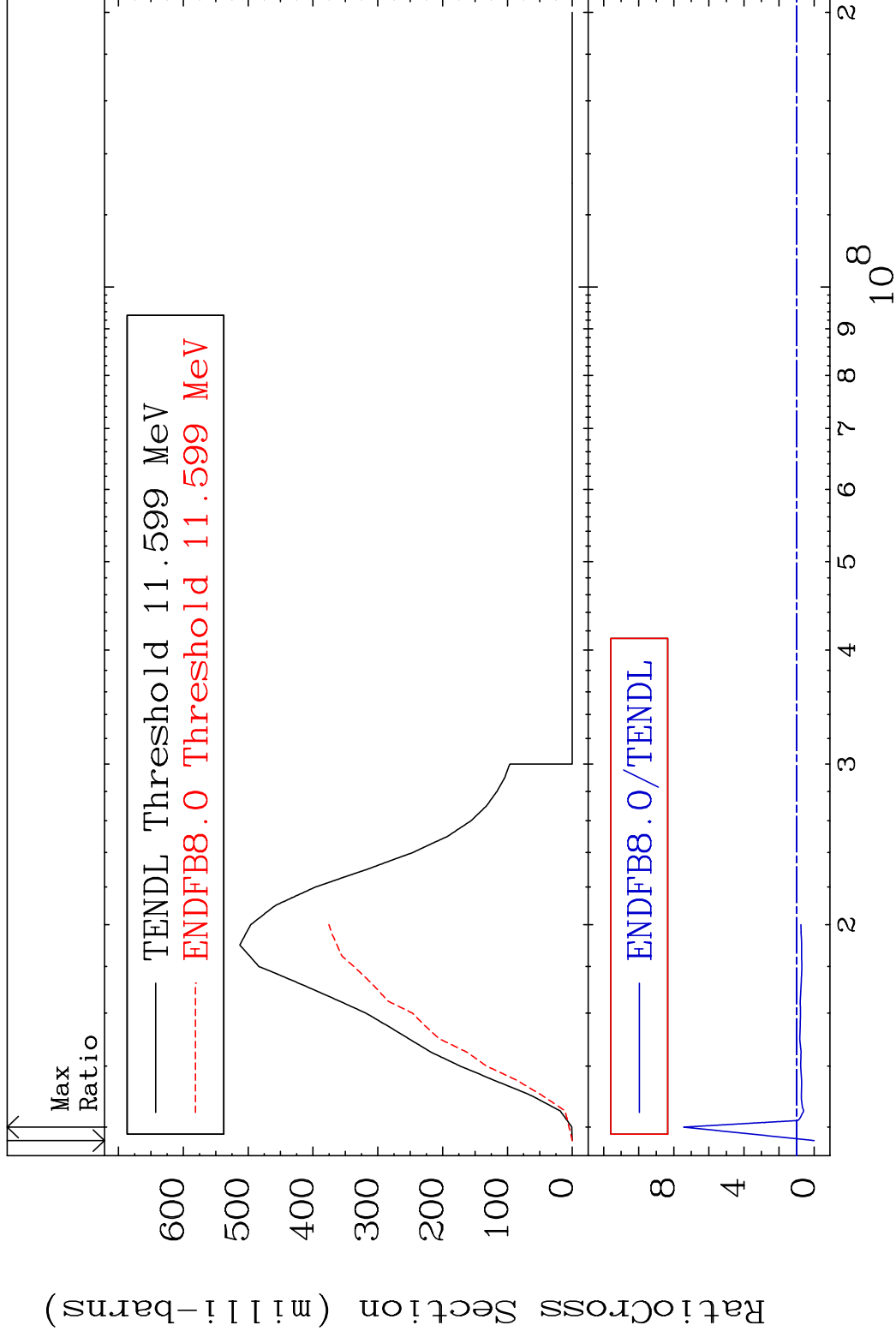
94-Pu-242

MAT 9446

(n,3n)

94-Pu-242

Cross Section -100.0 To 643.8 %



5

Incident Energy (eV)

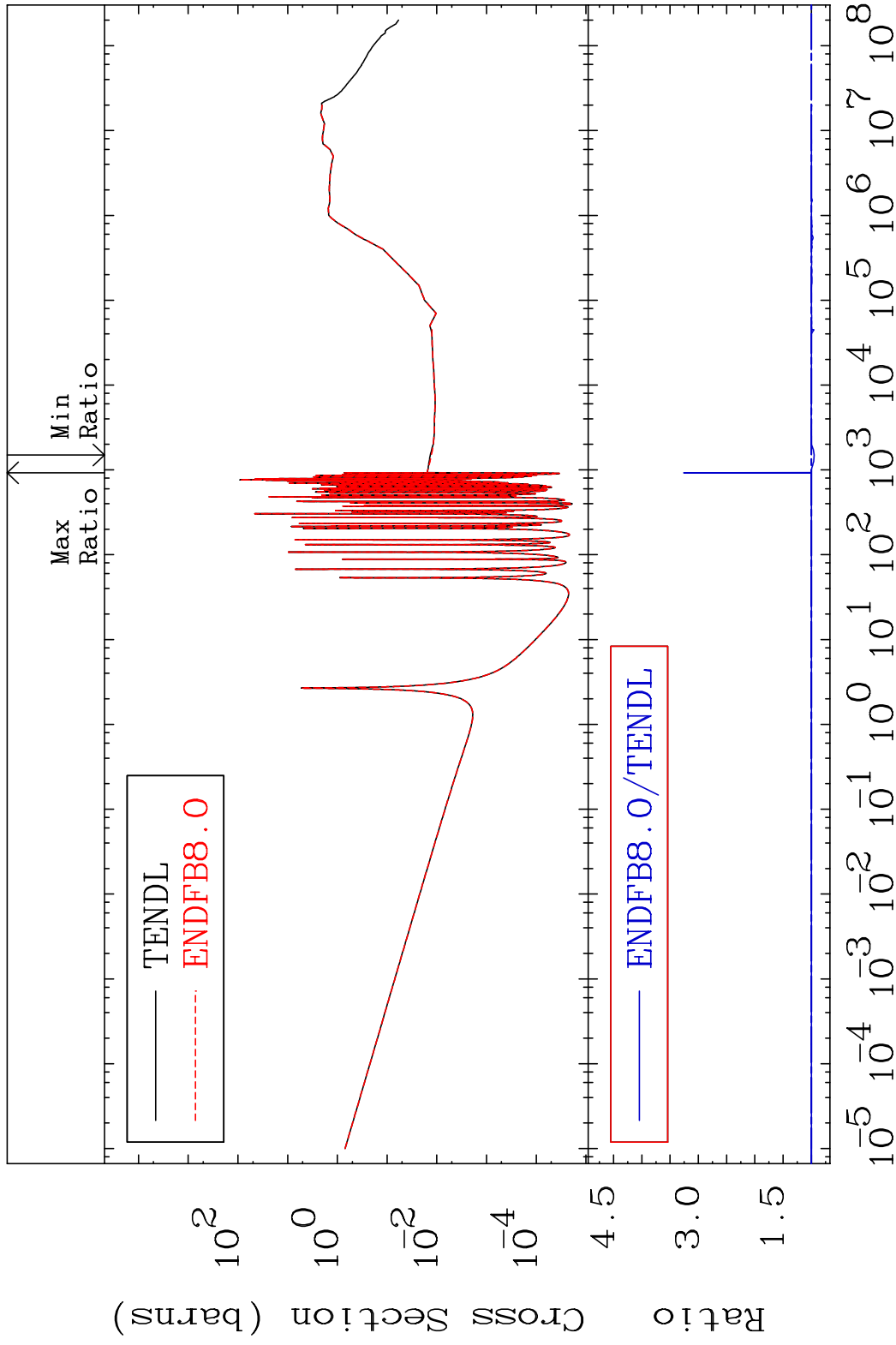
94-Pu-242

MAT 9446

Fission

94-Pu-242

Cross Section -4.861 To 226.0 %



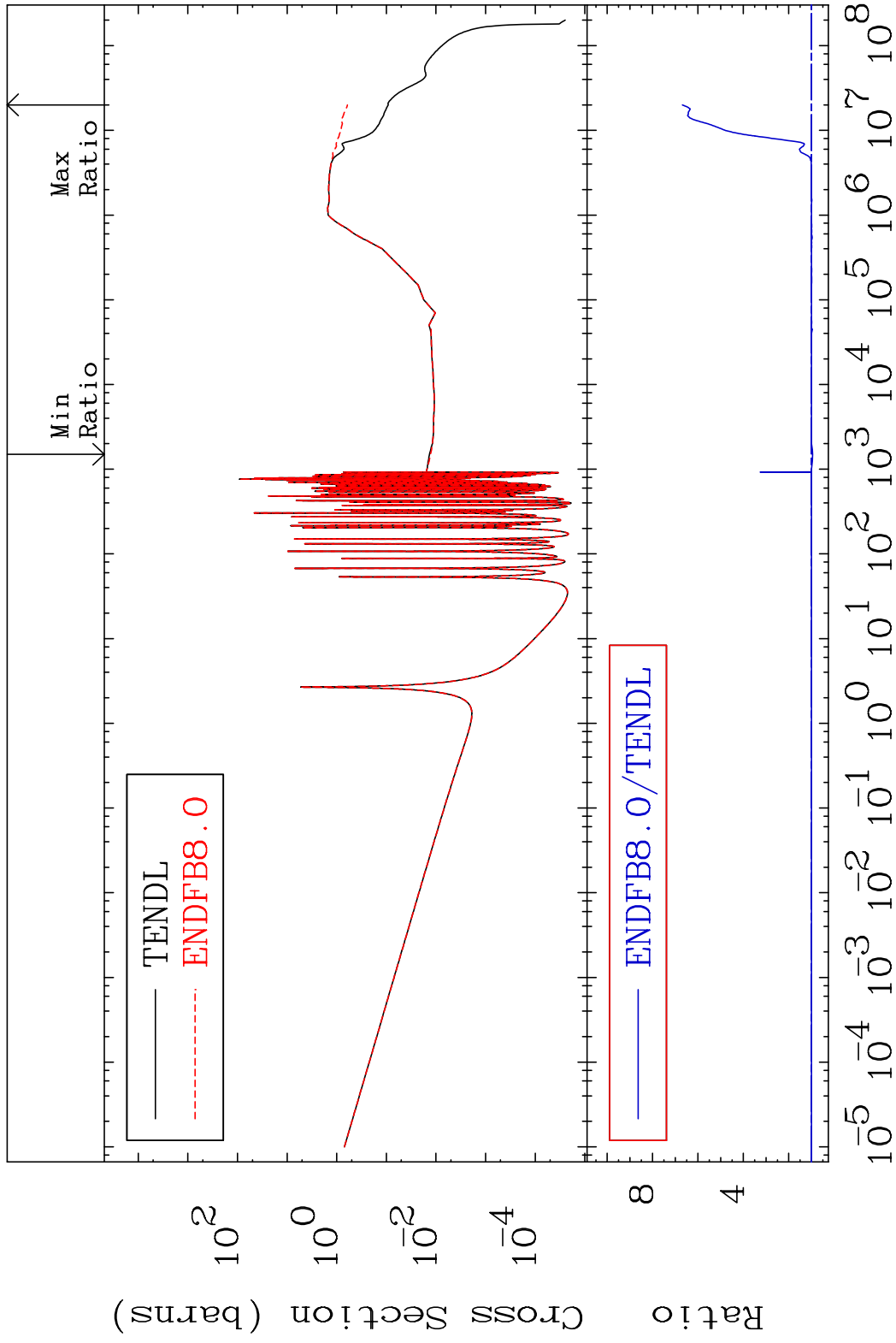
6

Incident Energy (eV)

94-Pu-242

MAT 9446

(n,f) First Chance 94-Pu-242
Cross Section -4.861 To 568.9 %

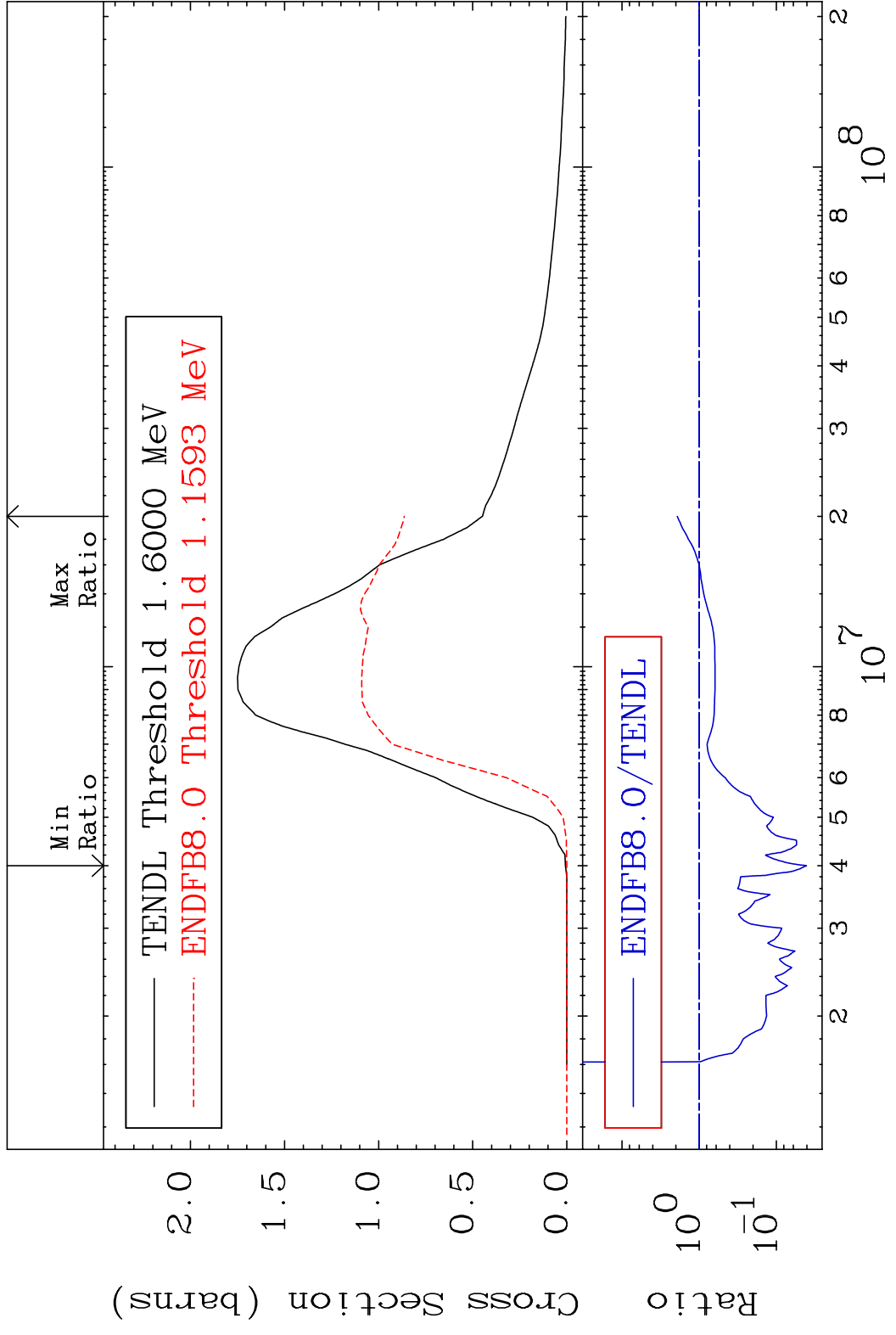


7

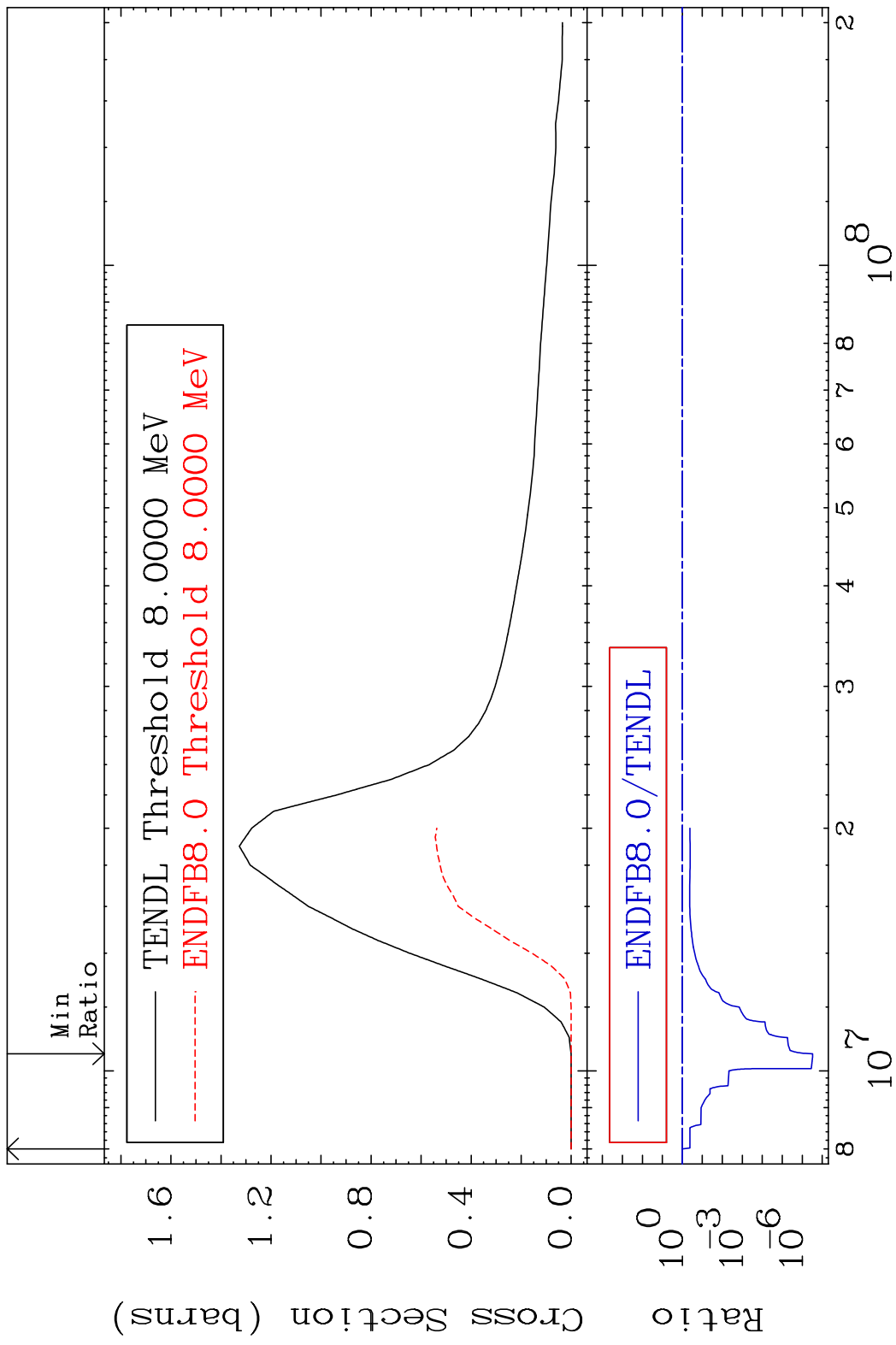
Incident Energy (eV)

94-Pu-242

MAT 9446 (n, nf) Second Chance 94-Pu-242
 Cross Section -95.93 To 92.52 %



MAT 9446 (n,2nf) Third Chance 94-Pu-242
 Cross Section -100.0 To 0.000 %



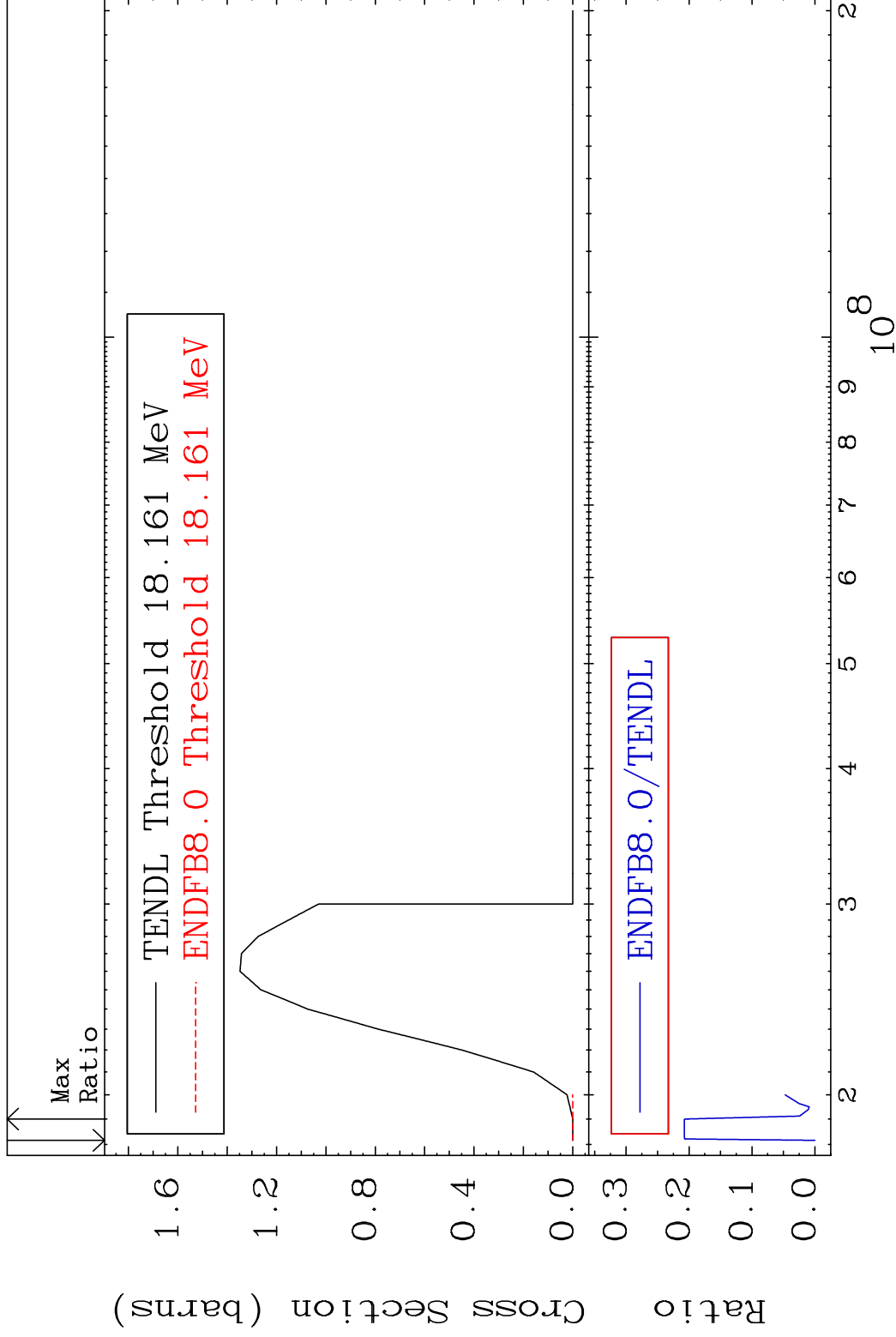
9 Incident Energy (eV) 94-Pu-242

MAT 9446

(n, 4n)

94-Pu-242

Cross Section -100.0 To -79.25%

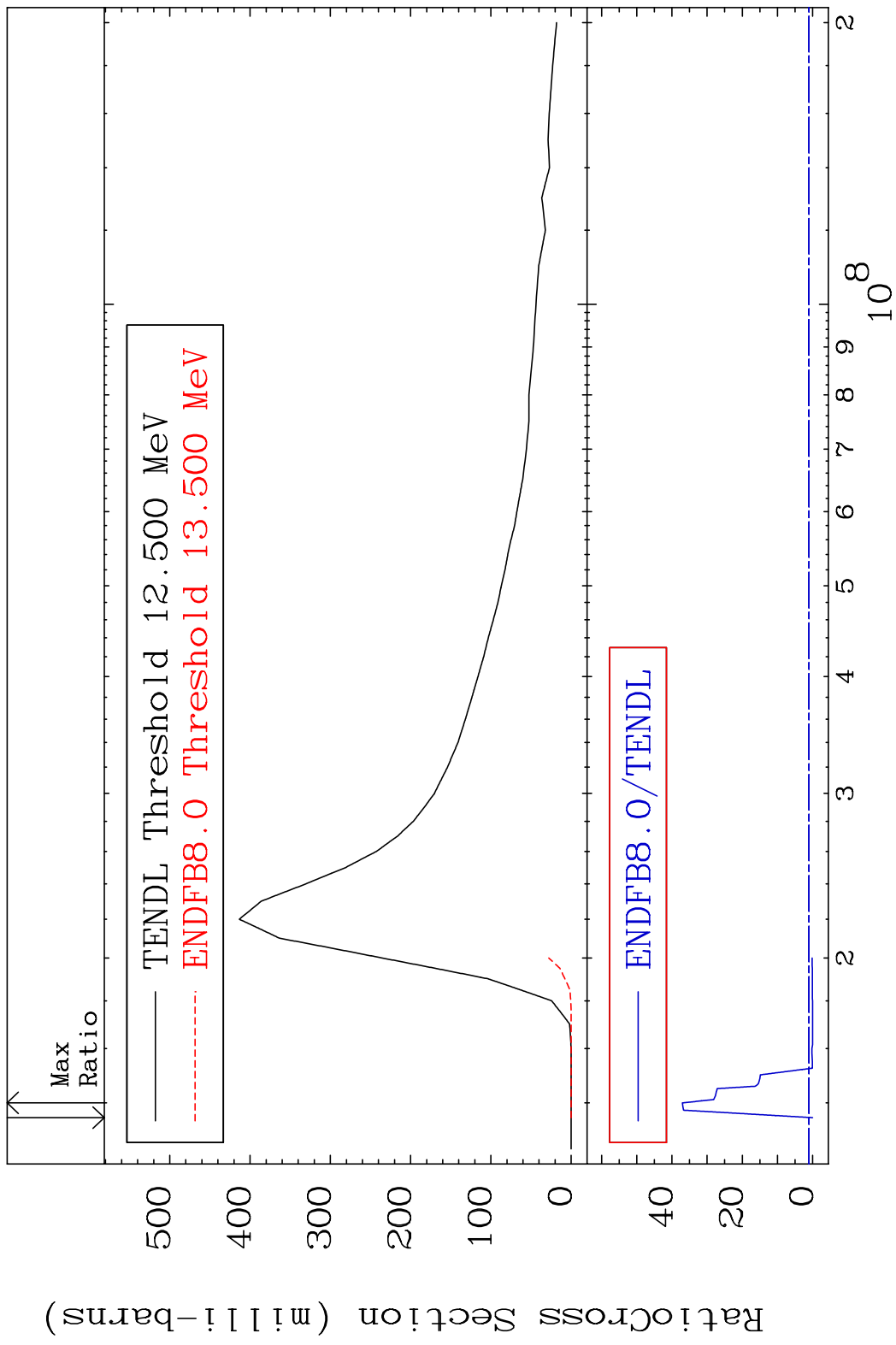


10

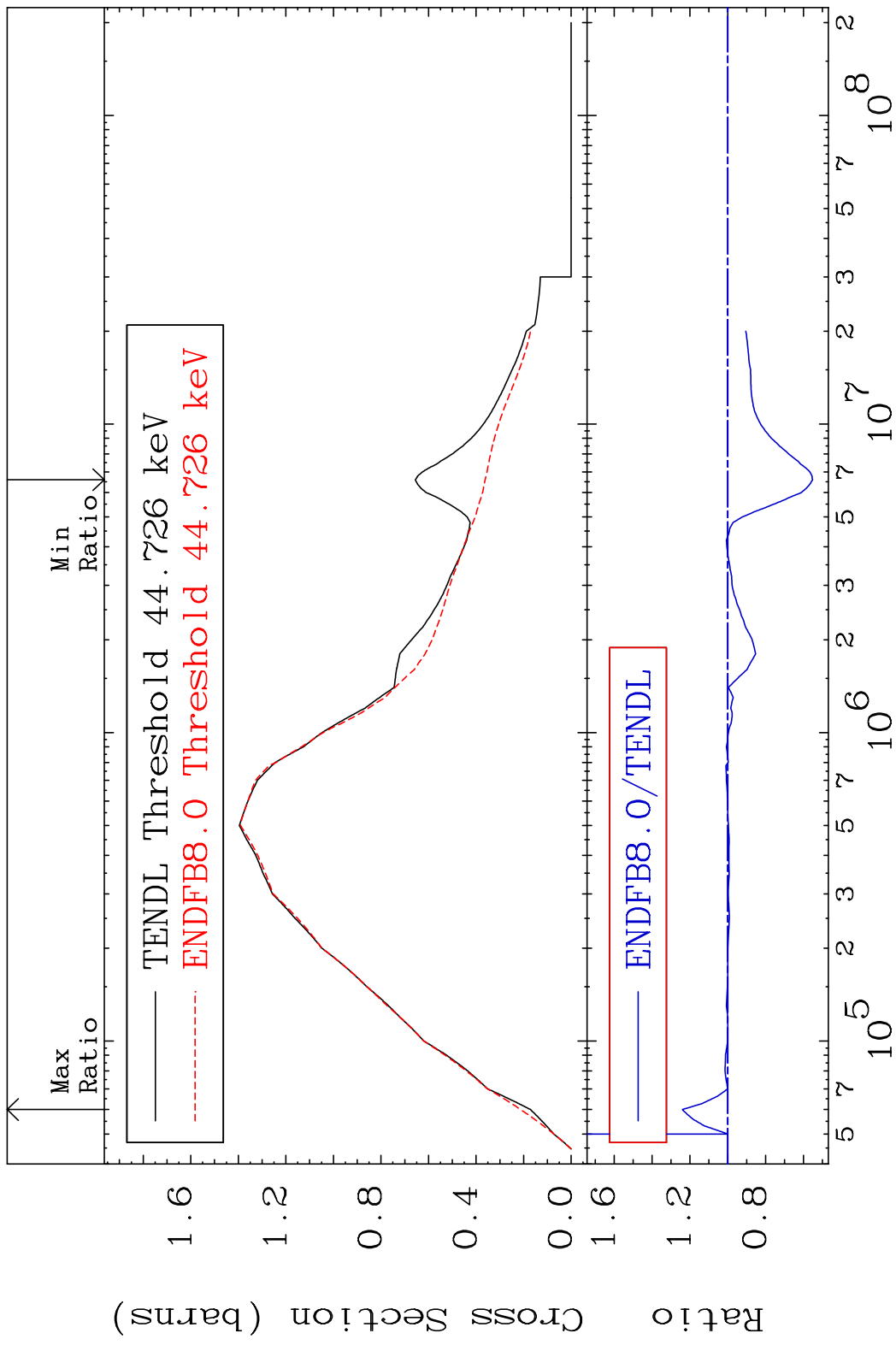
Incident Energy (eV)

94-Pu-242

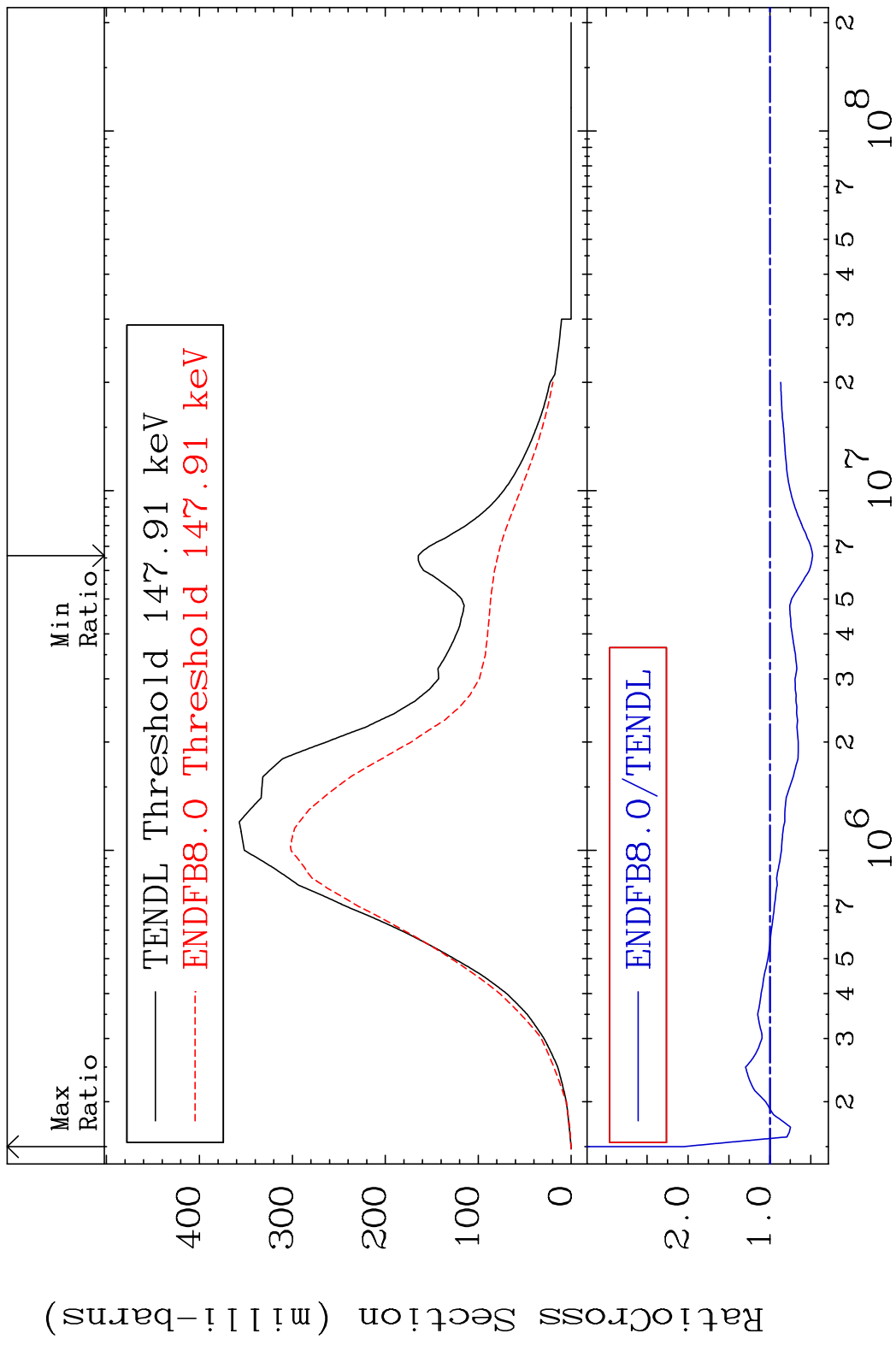
MAT 9446 (n,3nf) Fourth Chance 94-Pu-242
 Cross Section -100.0 To 3604. %



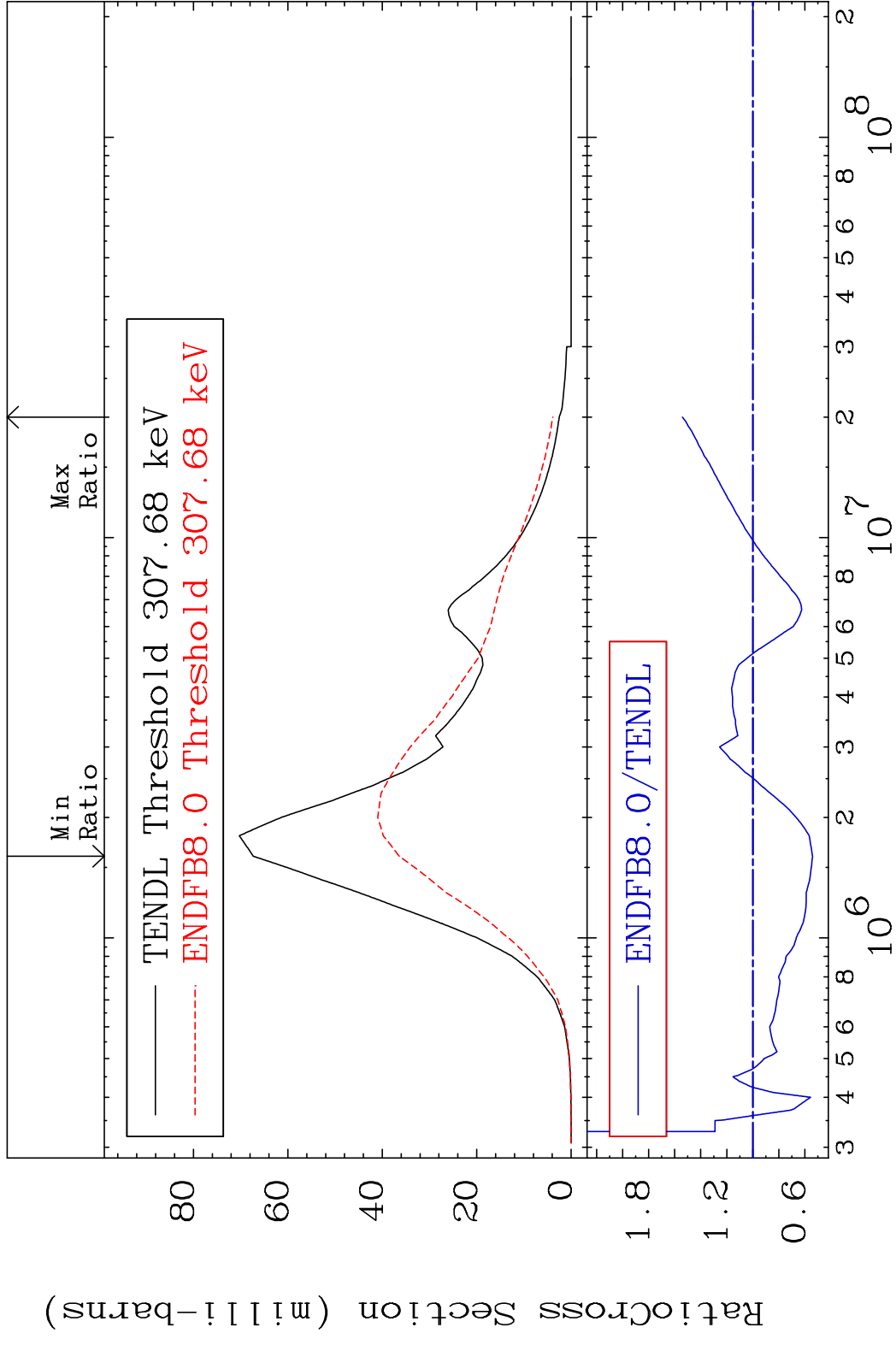
MAT 9446 MT= 51 (n, n') Level 94-Pu-242
 Cross Section -44.85 To 23.96 %



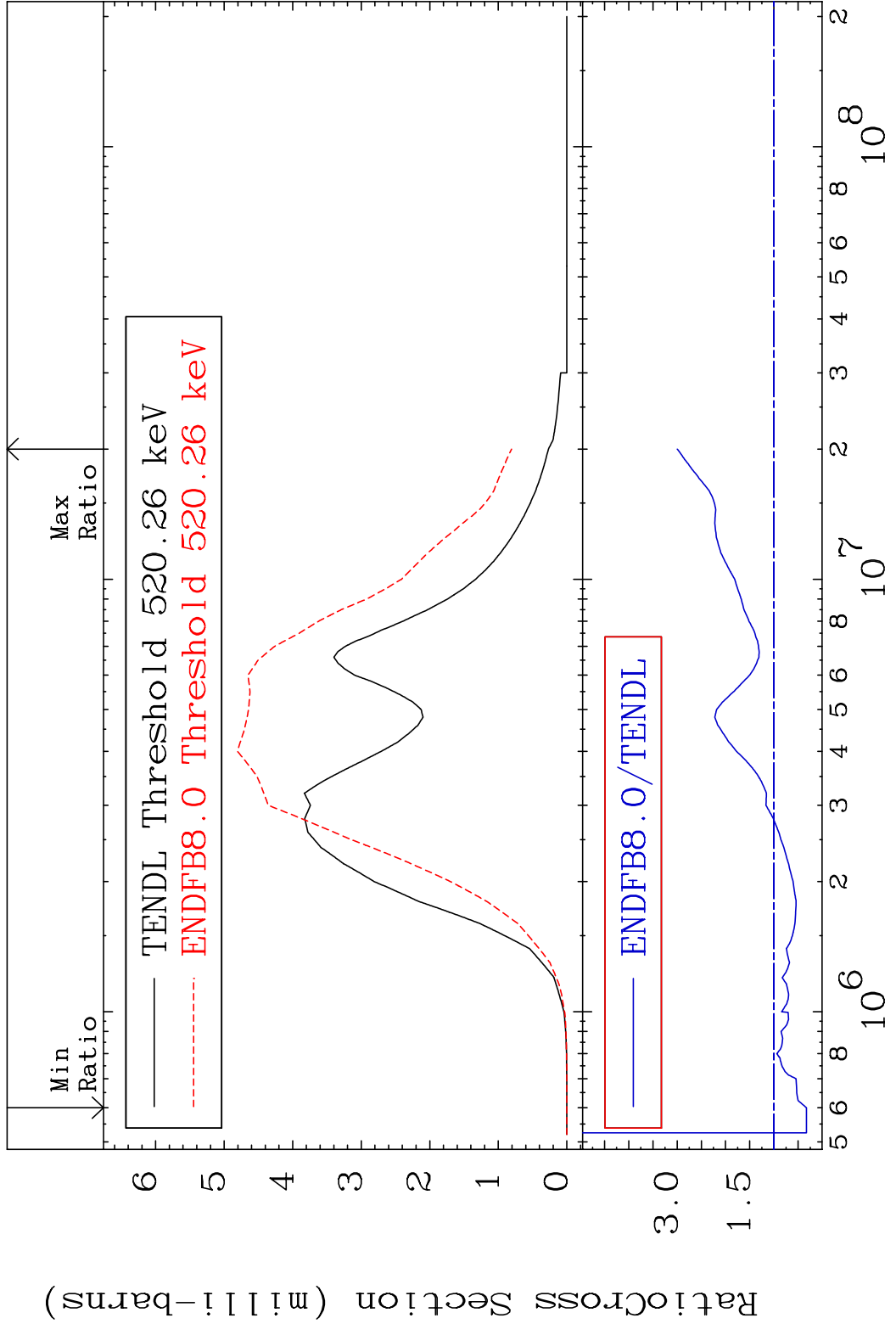
MAT 9446 MT= 52 (n, n') Level 94-Pu-242
 Cross Section -52.10 To 106.9 %



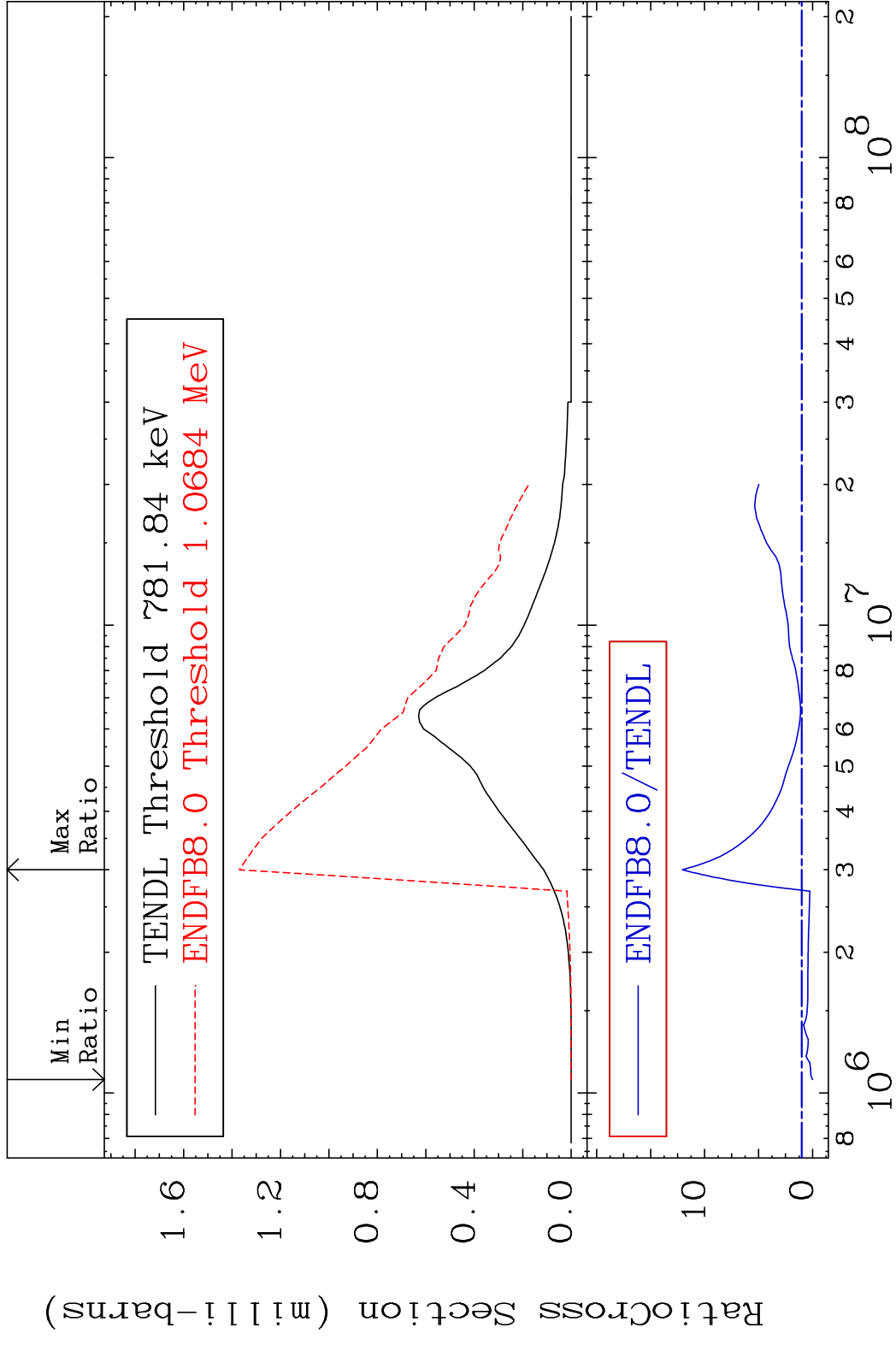
MAT 9446 MT= 53 (n, n') Level 94-Pu-242
 Cross Section -45.90 To 54.12 %



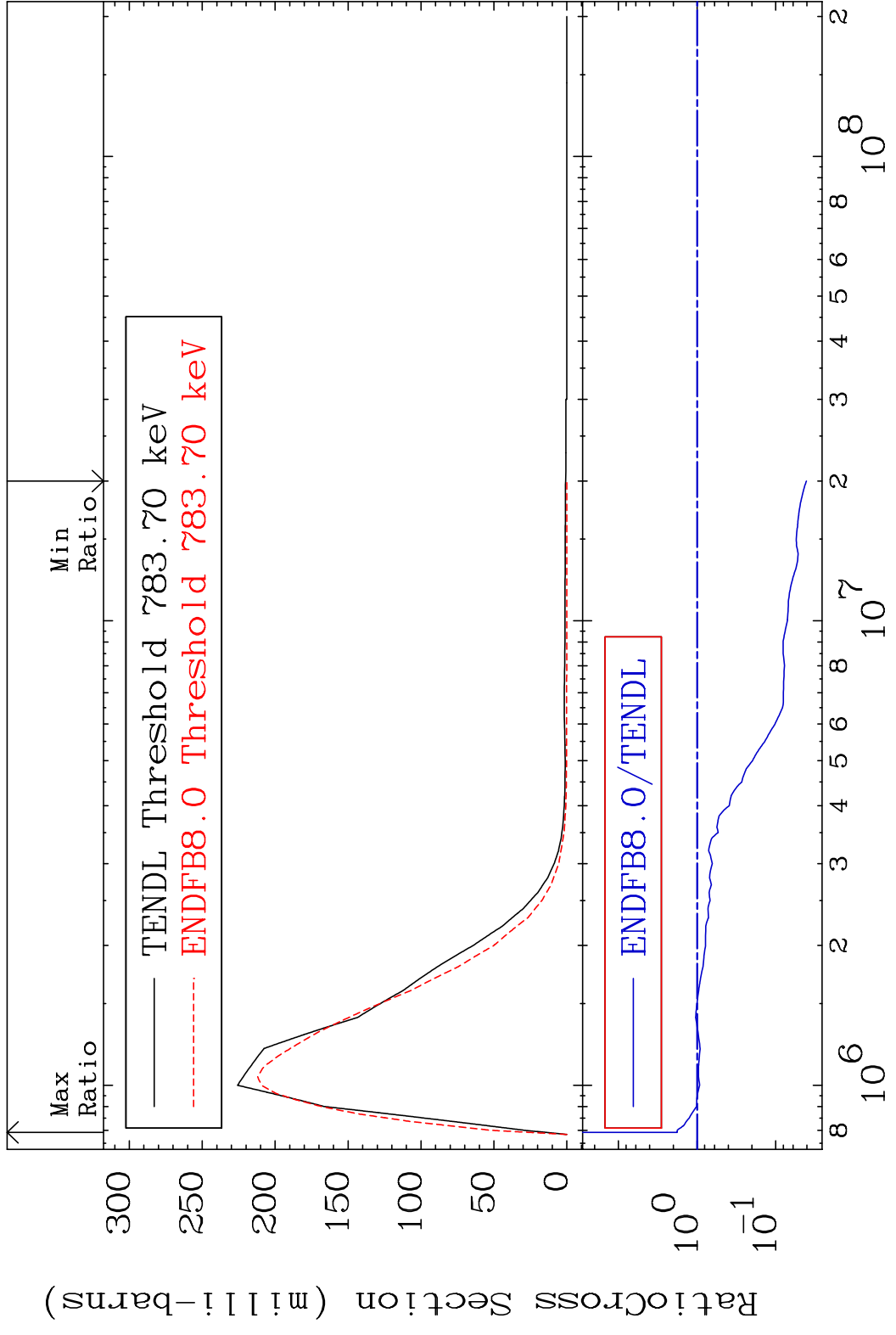
MAT 9446 MT= 54 (n, n') Level 94-Pu-242
 Cross Section -67.15 To 199.9 %



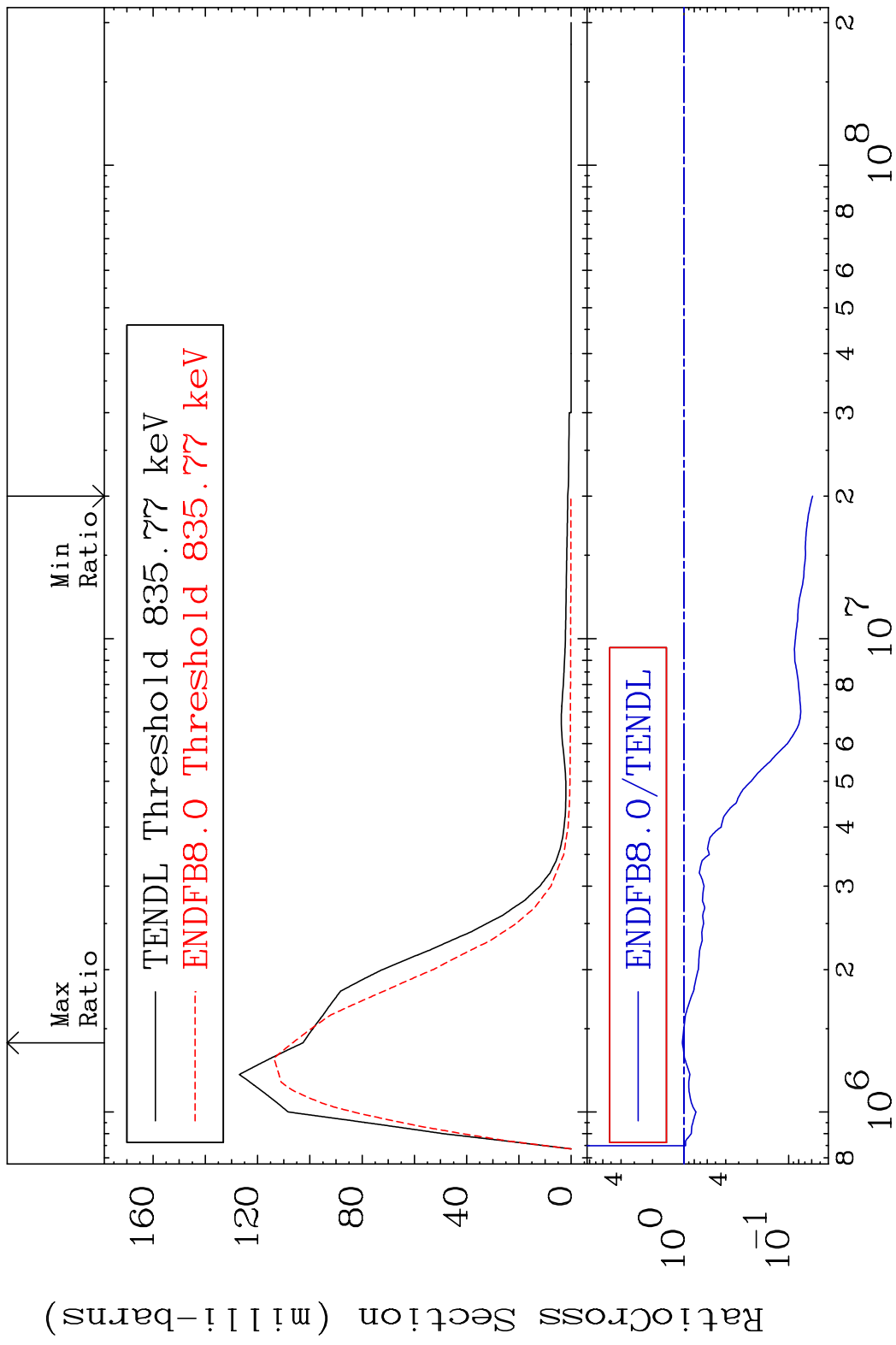
MAT 9446 MT= 55 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 1106. %



MAT 9446 MT= 56 (n, n') Level 94-Pu-242
 Cross Section -95.93 To 78.80 %

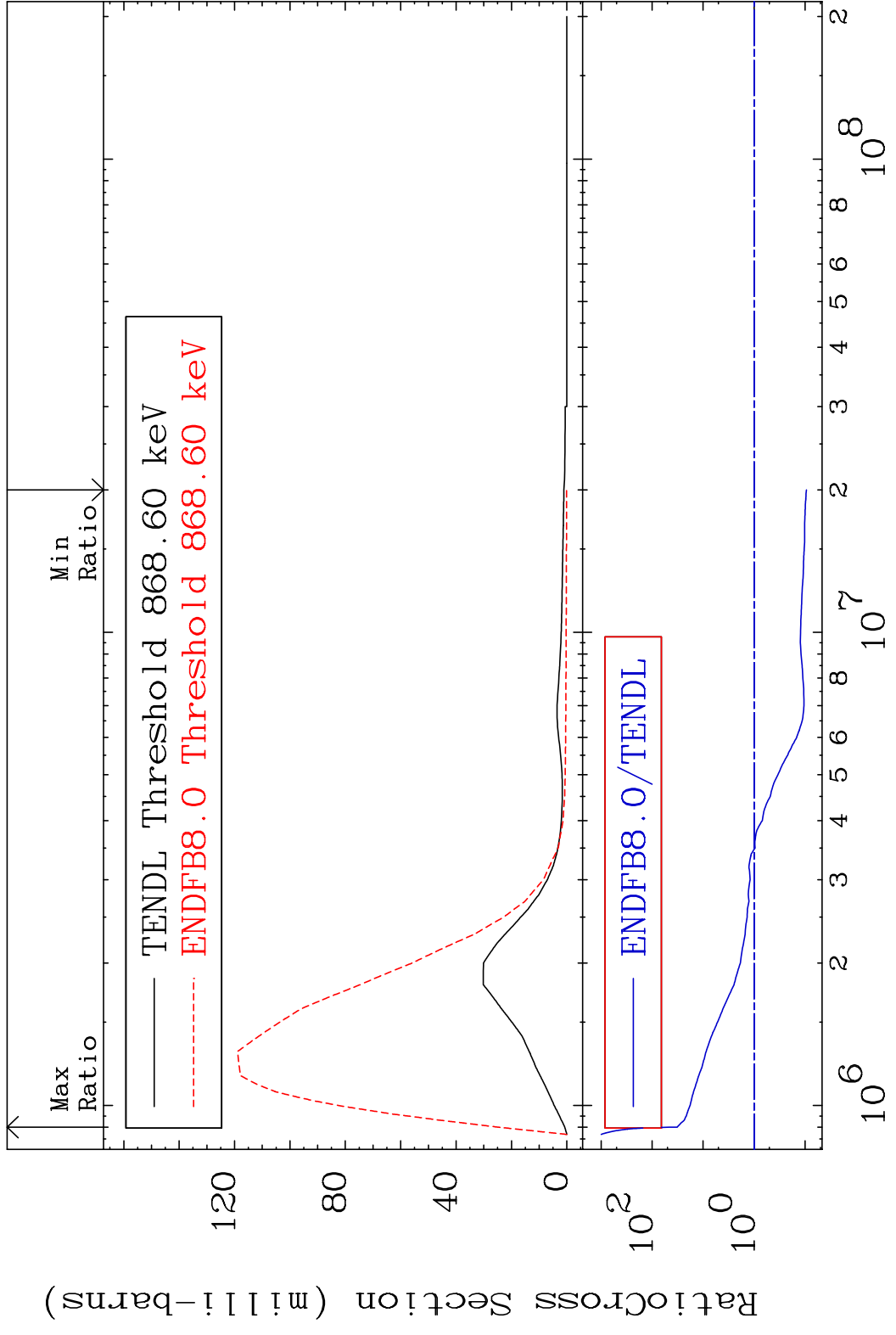


MAT 9446 MT= 57 (n, n') Level 94-Pu-242
 Cross Section -94.10 To 3.855 %

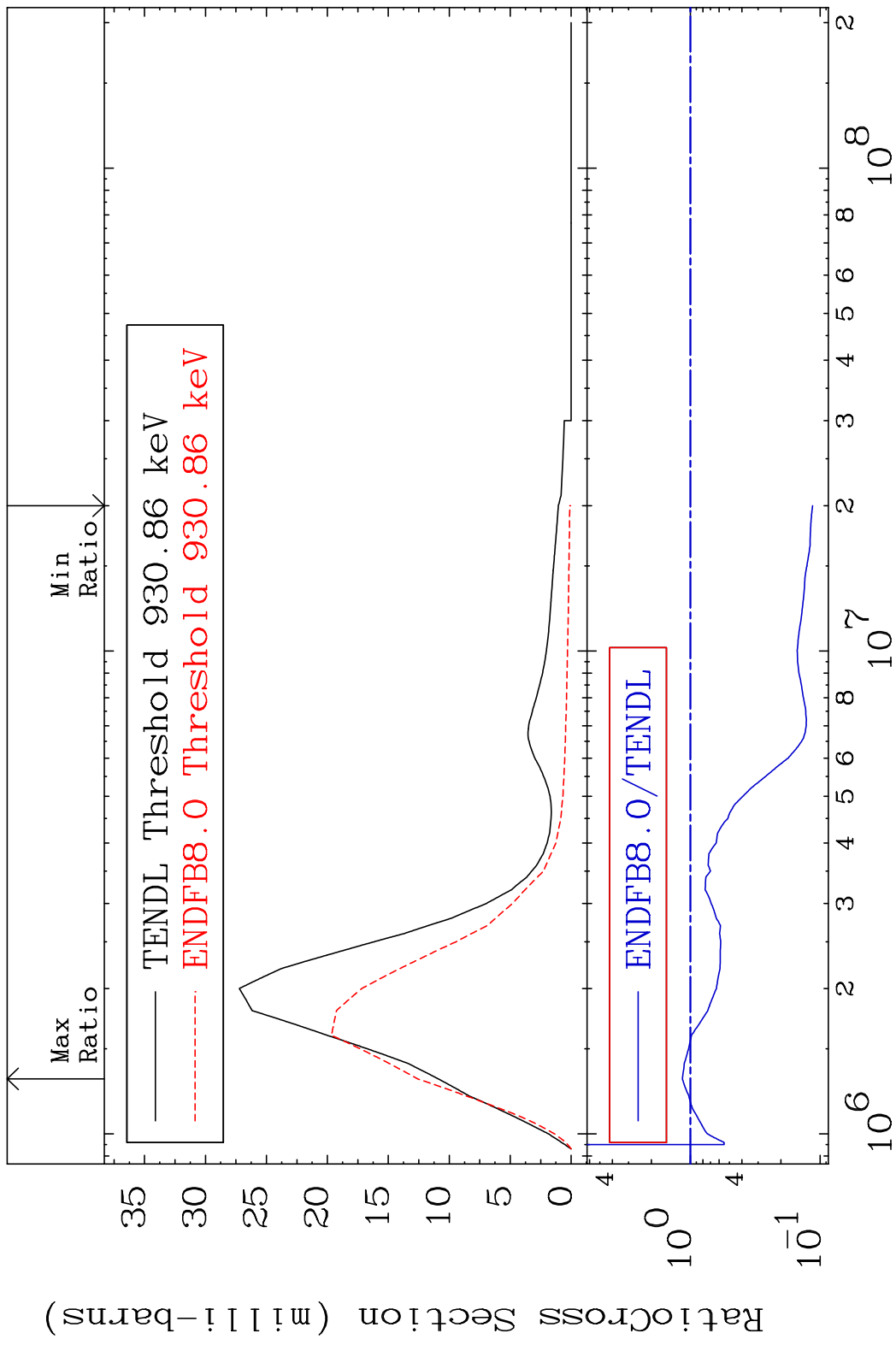


18 Incident Energy (eV) 94-Pu-242

MAT 9446 MT= 58 (n, n') Level 94-Pu-242
 Cross Section -90.58 To 3125. %

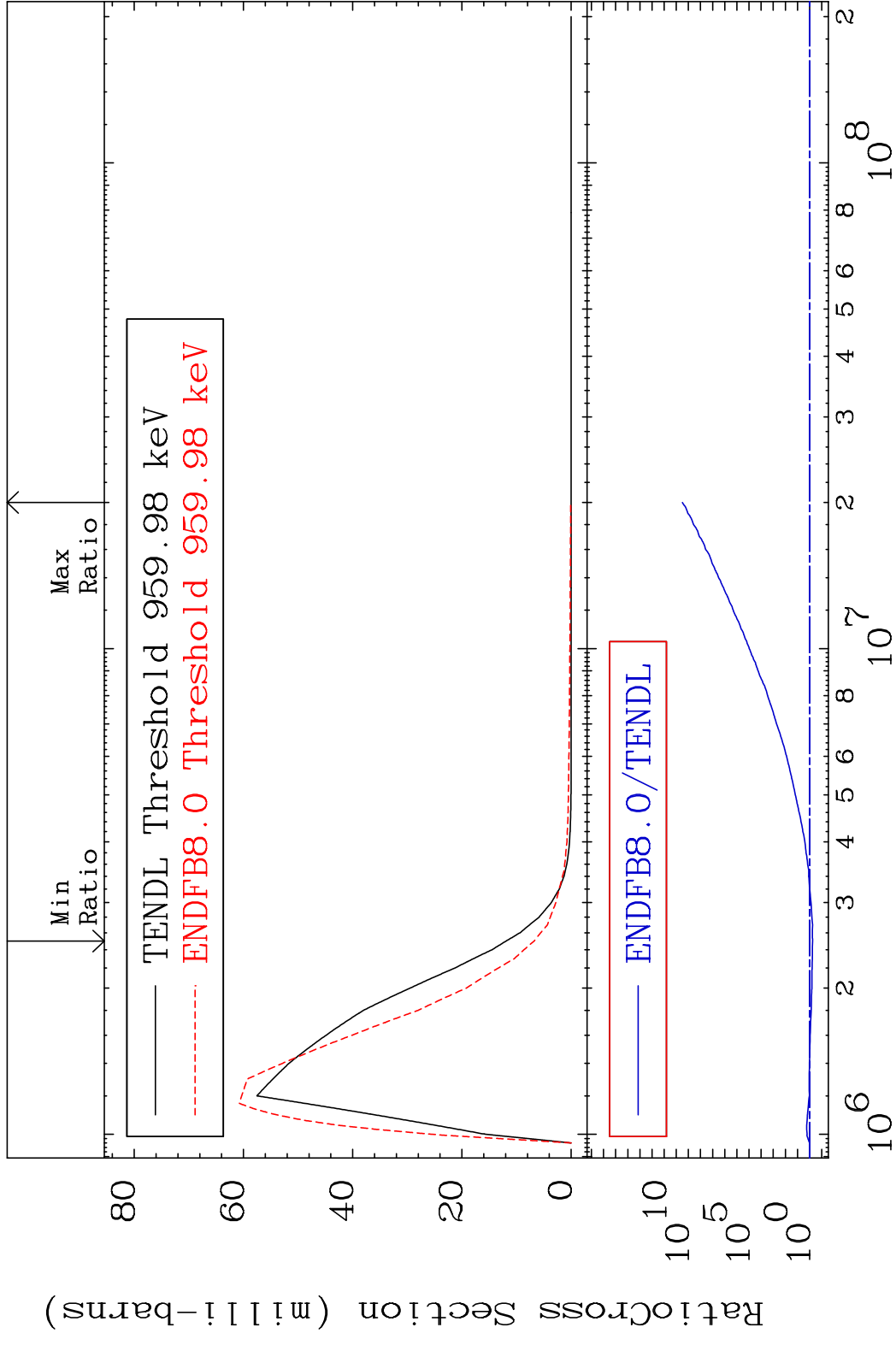


MAT 9446 MT= 59 (n, n') Level 94-Pu-242
 Cross Section -88.58 To 15.46 %



20 94-Pu-242

MAT 9446 MT= 60 (n, n') Level 94-Pu-242
 Cross Section -43.01 To 9999. %



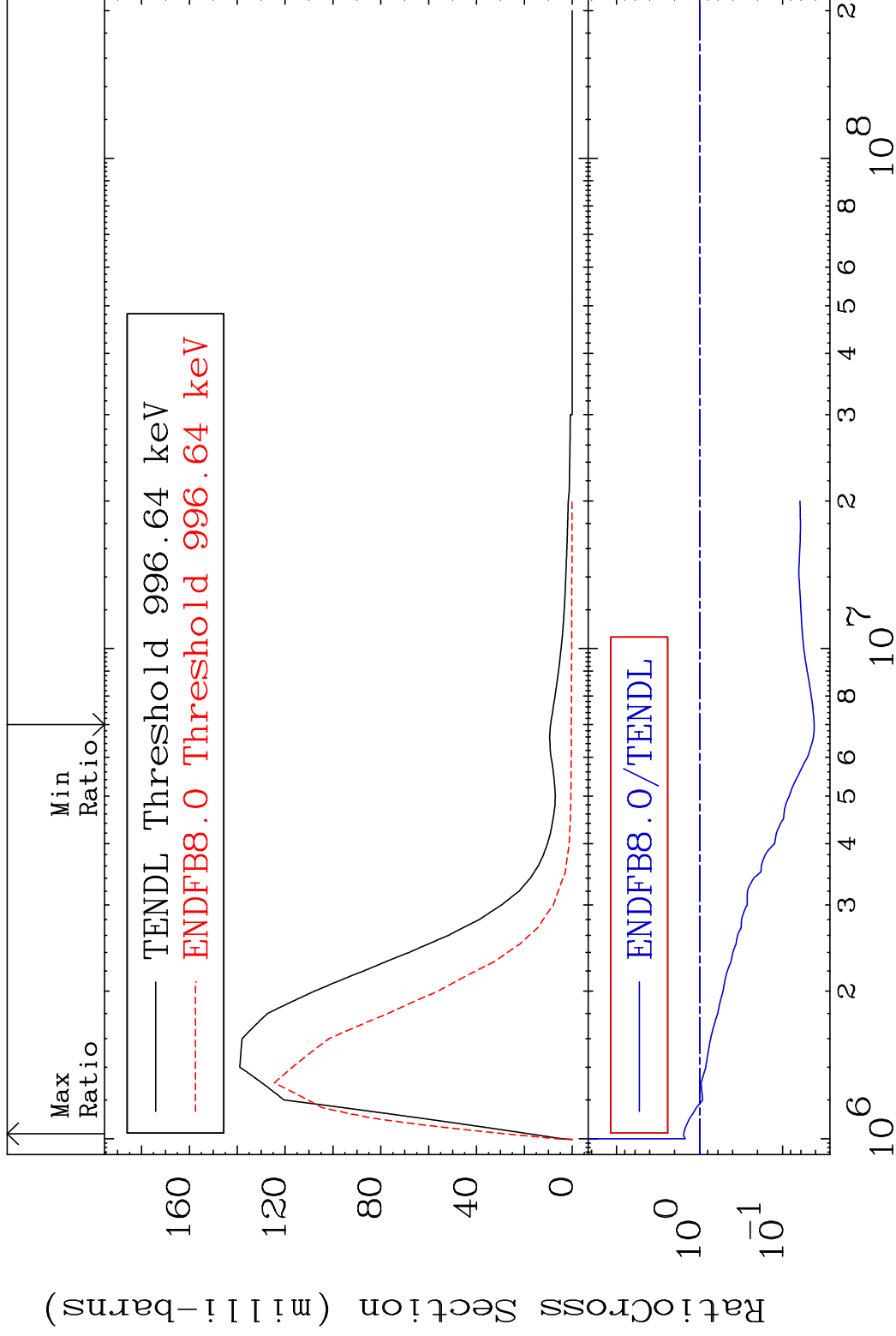
21 Incident Energy (eV) 94-Pu-242

MAT 9446

MT= 61 (n, n') Level

94-Pu-242

Cross Section -95.83 To 55.56 %

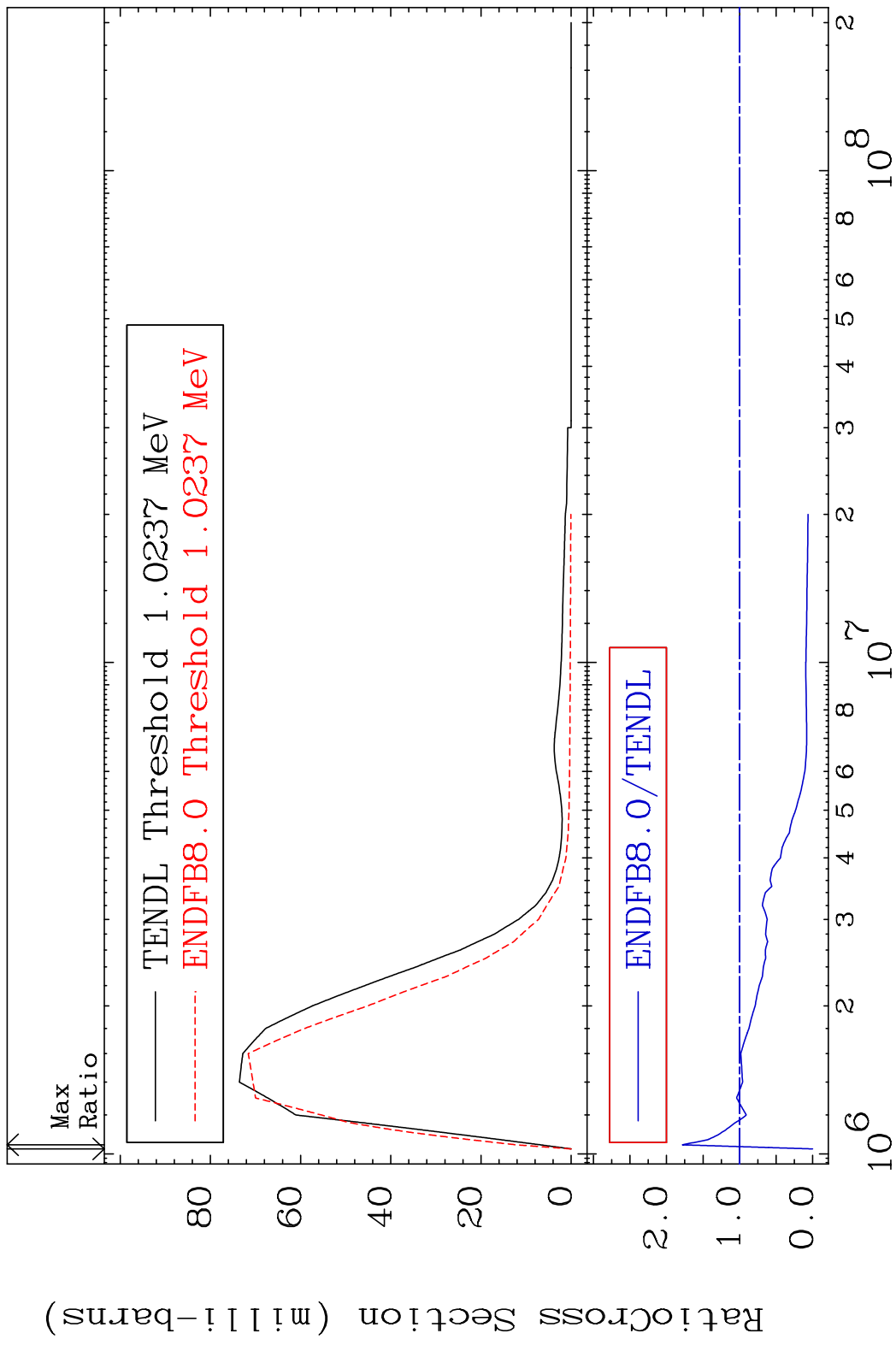


22

Incident Energy (eV)

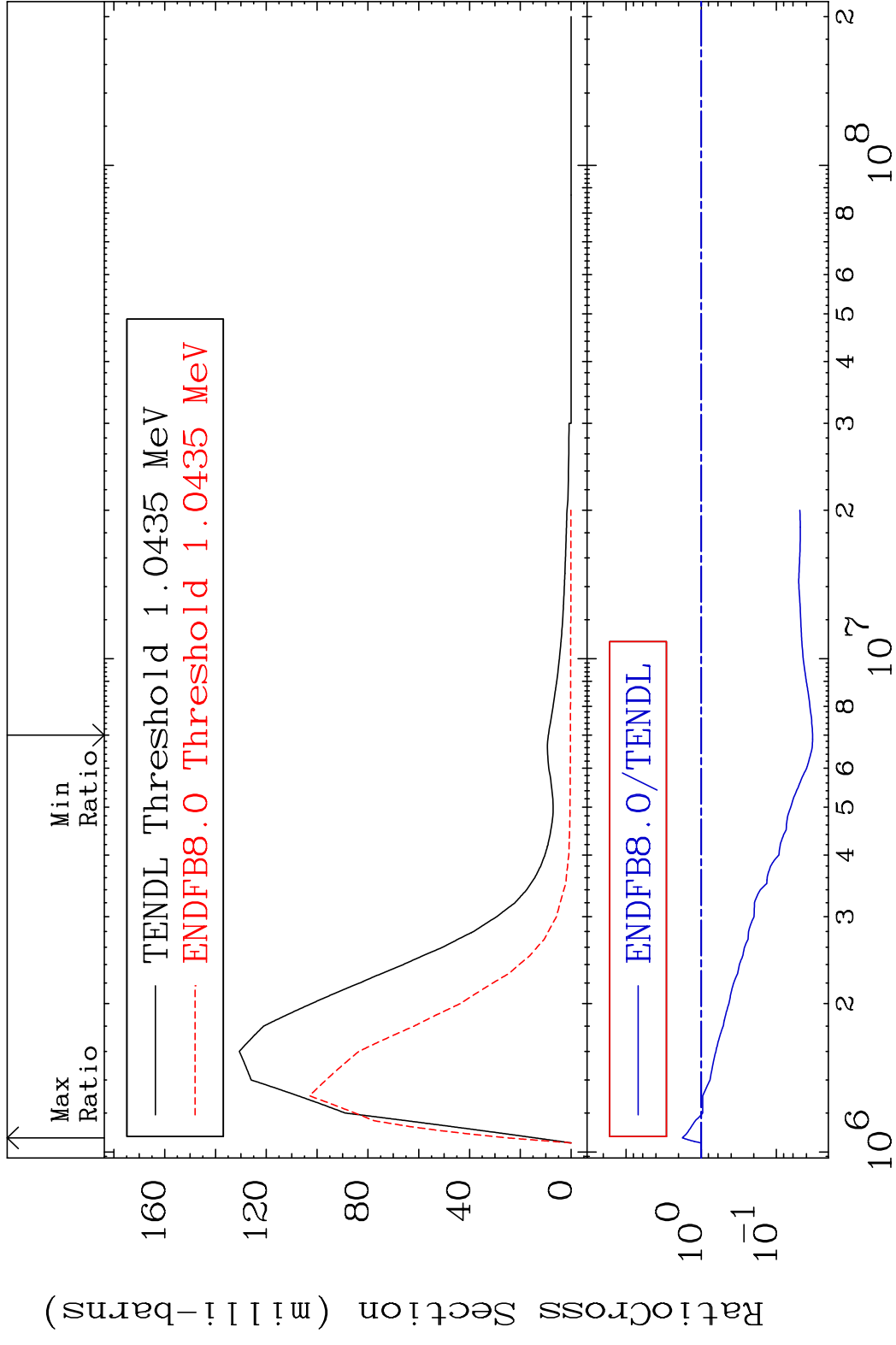
94-Pu-242

MAT 9446 MT= 62 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 78.32 %



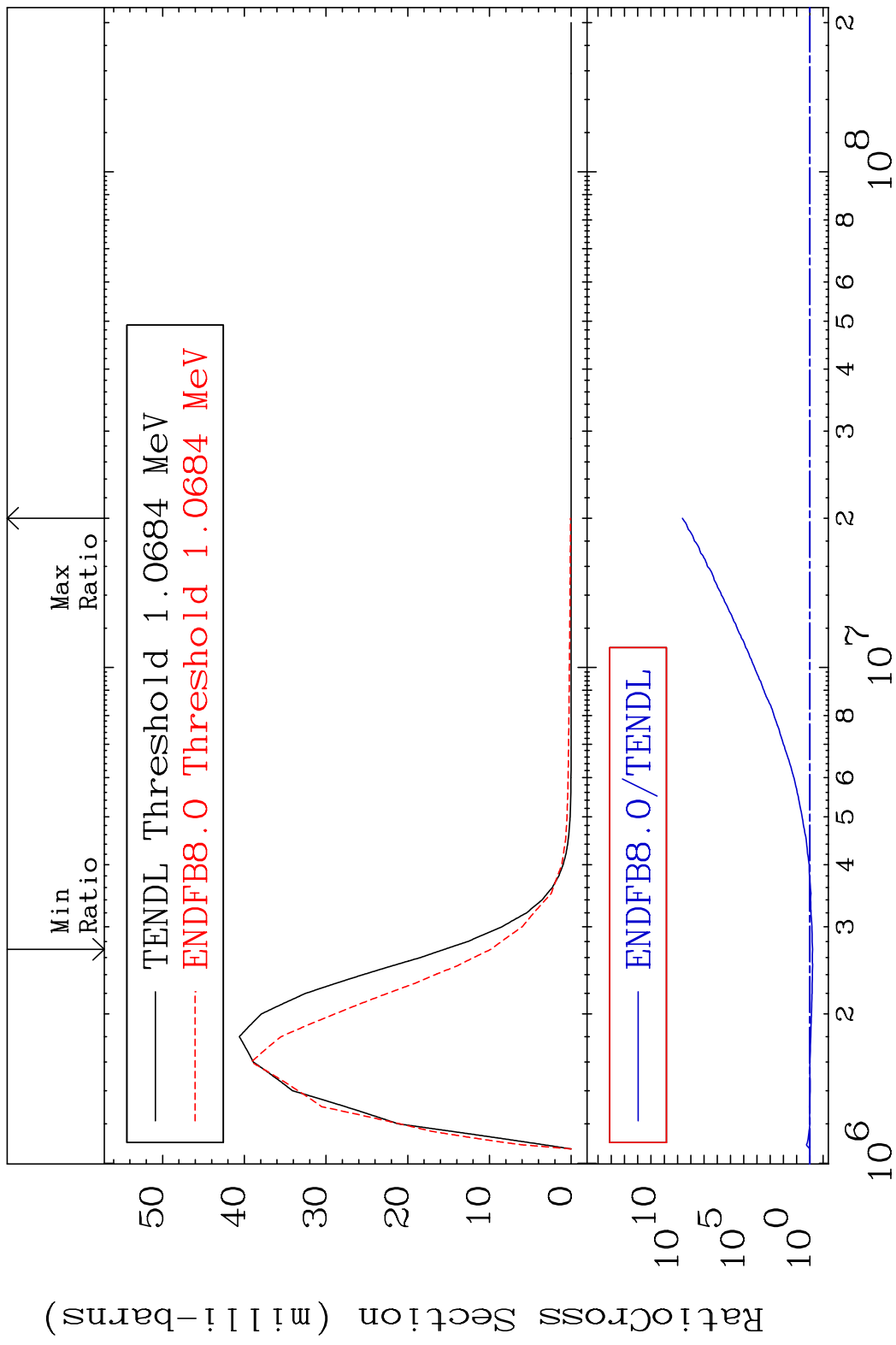
23 Incident Energy (eV) 94-Pu-242

MAT 9446 MT= 63 (n, n') Level 94-Pu-242
 Cross Section -96.69 To 78.09 %



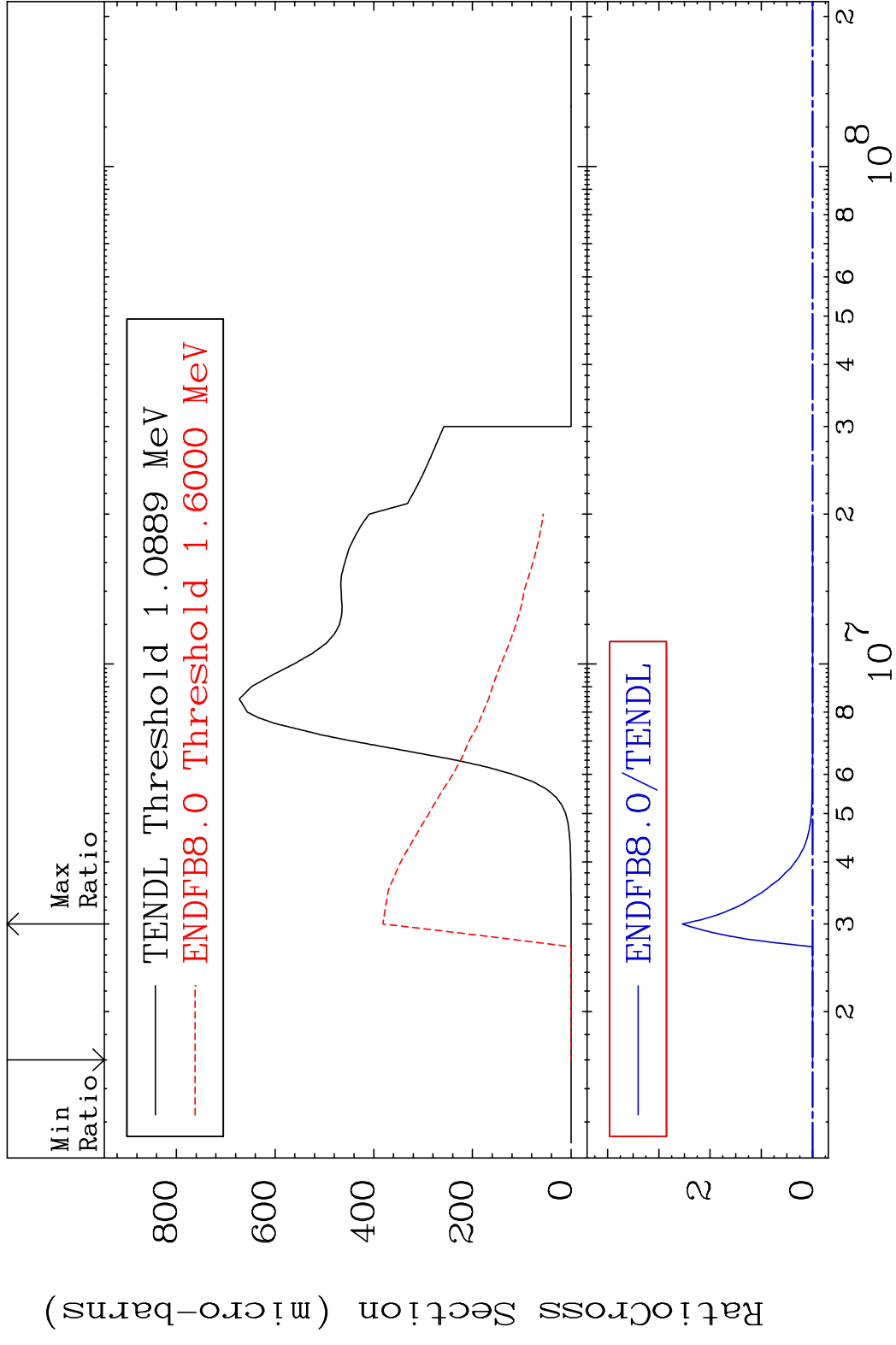
24 Incident Energy (eV) 94-Pu-242

MAT 9446 MT= 64 (n, n') Level 94-Pu-242
 Cross Section -36.75 To 9999. %

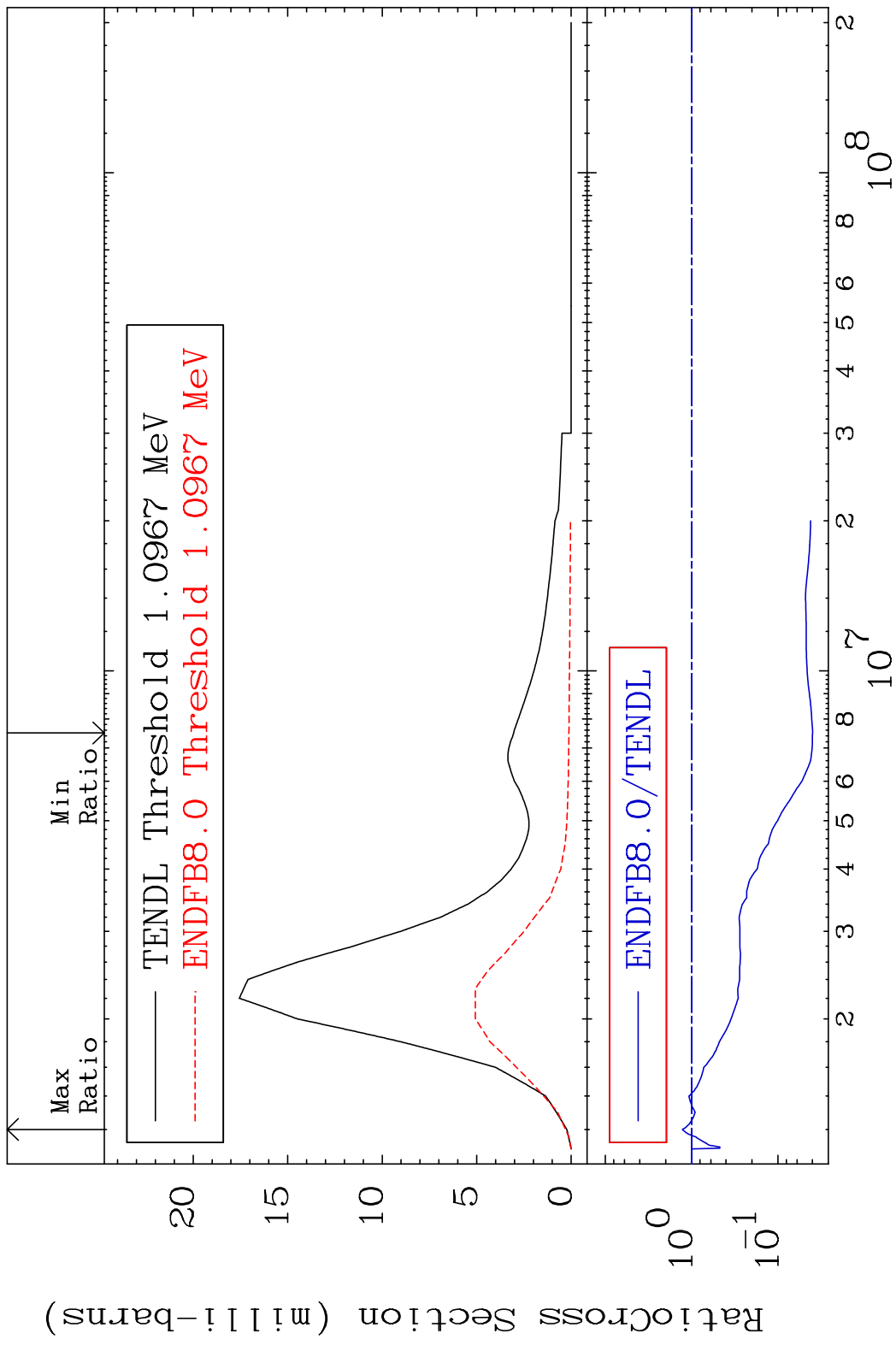


25 Incident Energy (eV) 94-Pu-242

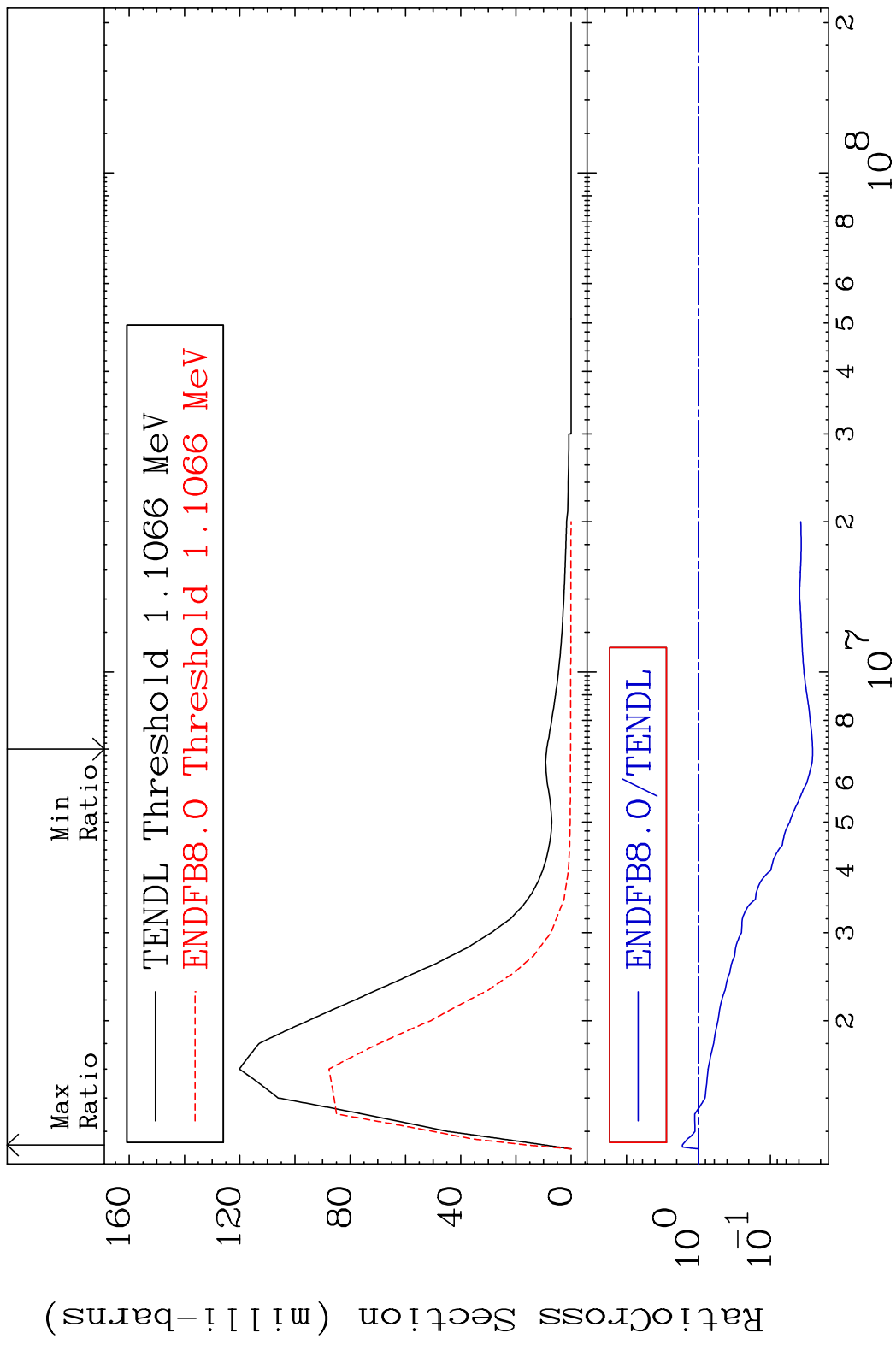
MAT 9446 MT= 65 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 9999. %



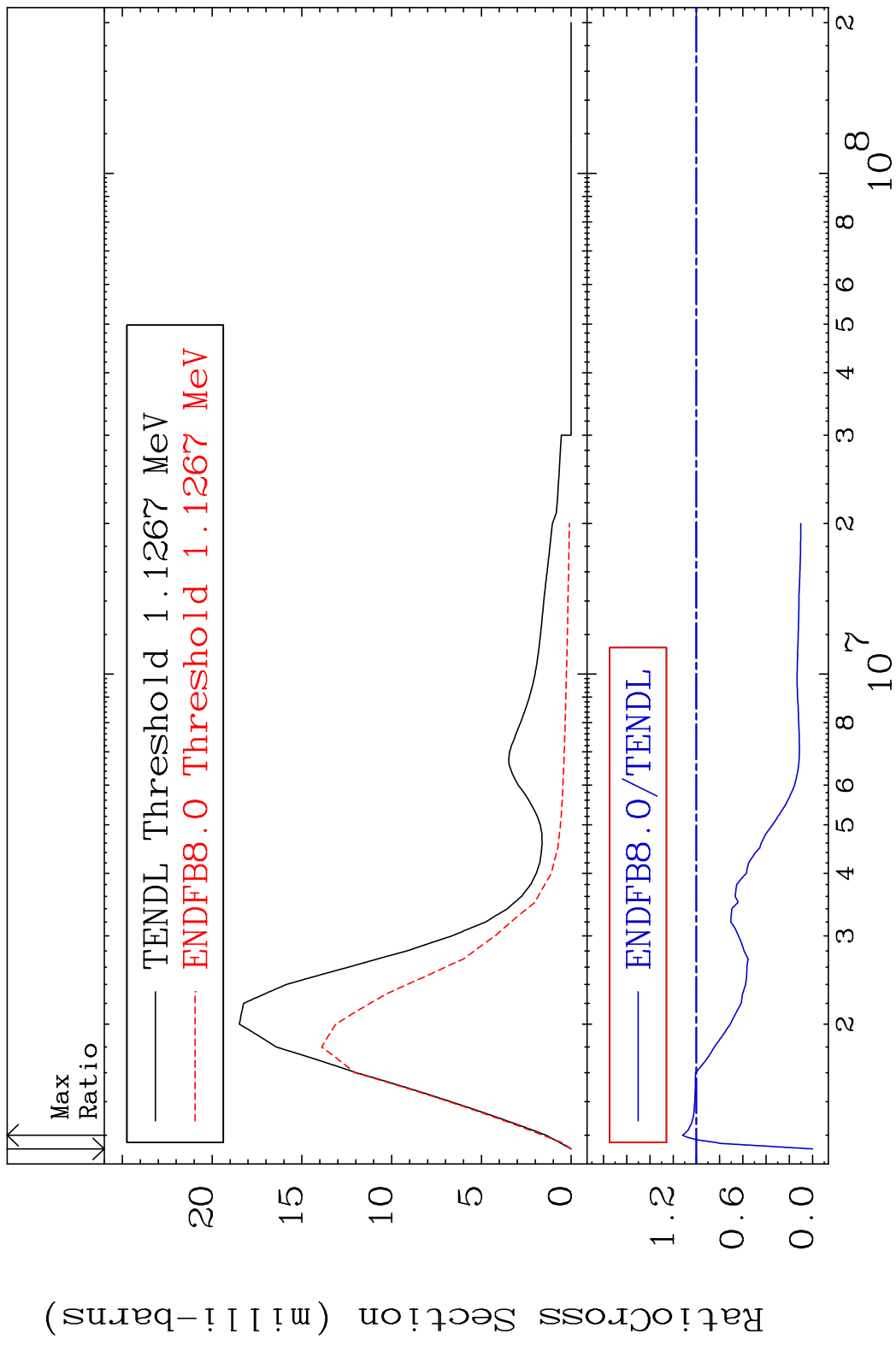
MAT 9446 MT= 66 (n, n') Level 94-Pu-242
 Cross Section -96.02 To 28.13 %



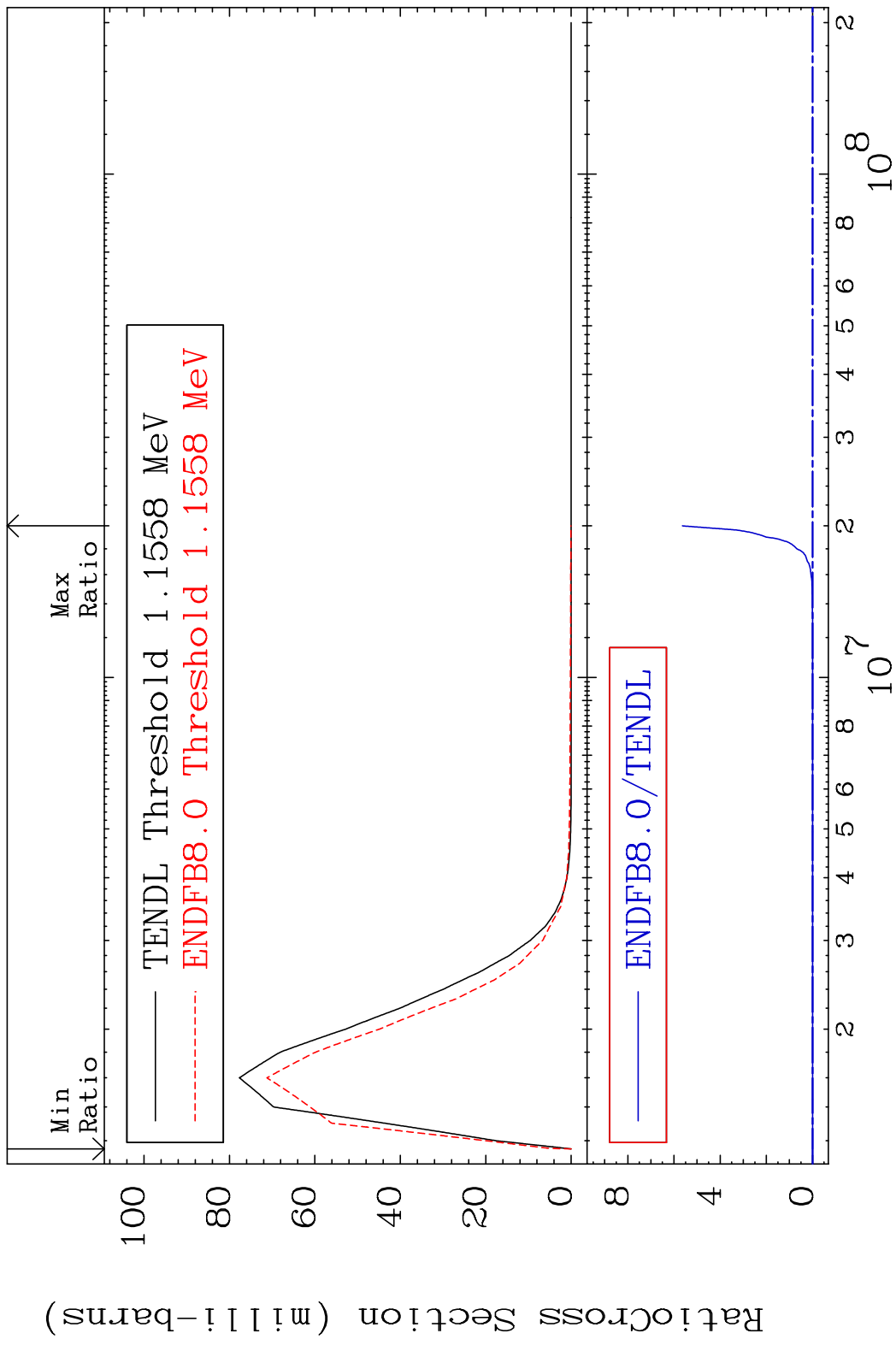
MAT 9446 MT= 67 (n, n') Level 94-Pu-242
 Cross Section -97.42 To 67.27 %



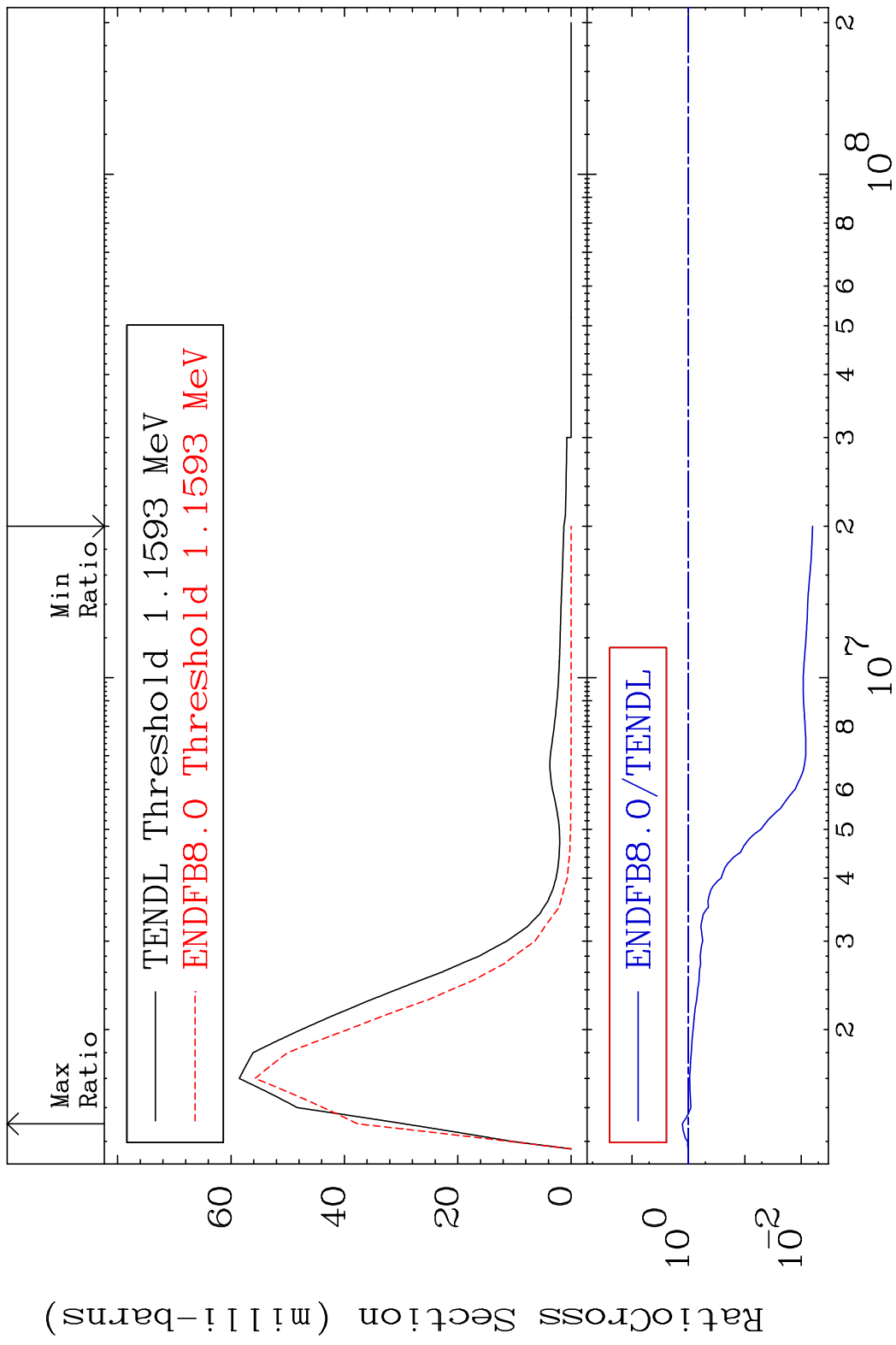
MAT 9446 MT= 68 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 12.09 %



MAT 9446 MT= 69 (n, n') Level 94-Pu-242
 Cross Section -100.0 To 9999. %

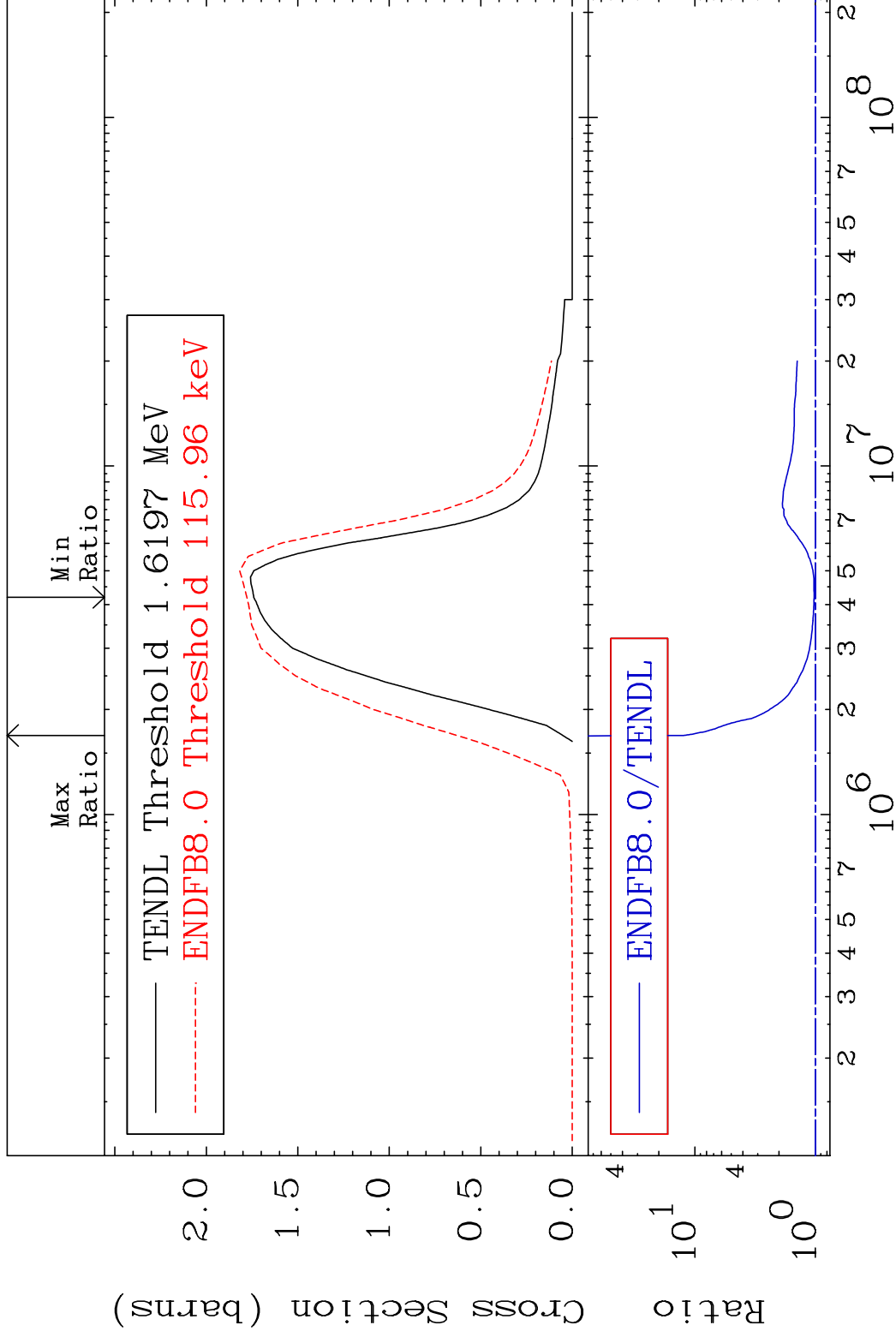


MAT 9446 MT= 70 (n, n') Level 94-Pu-242
 Cross Section -99.37 To 28.11 %



MAT 9446

(n, n') Continuum 94-Pu-242
Cross Section 2.196 To 1140. %



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Incident Energy (eV)

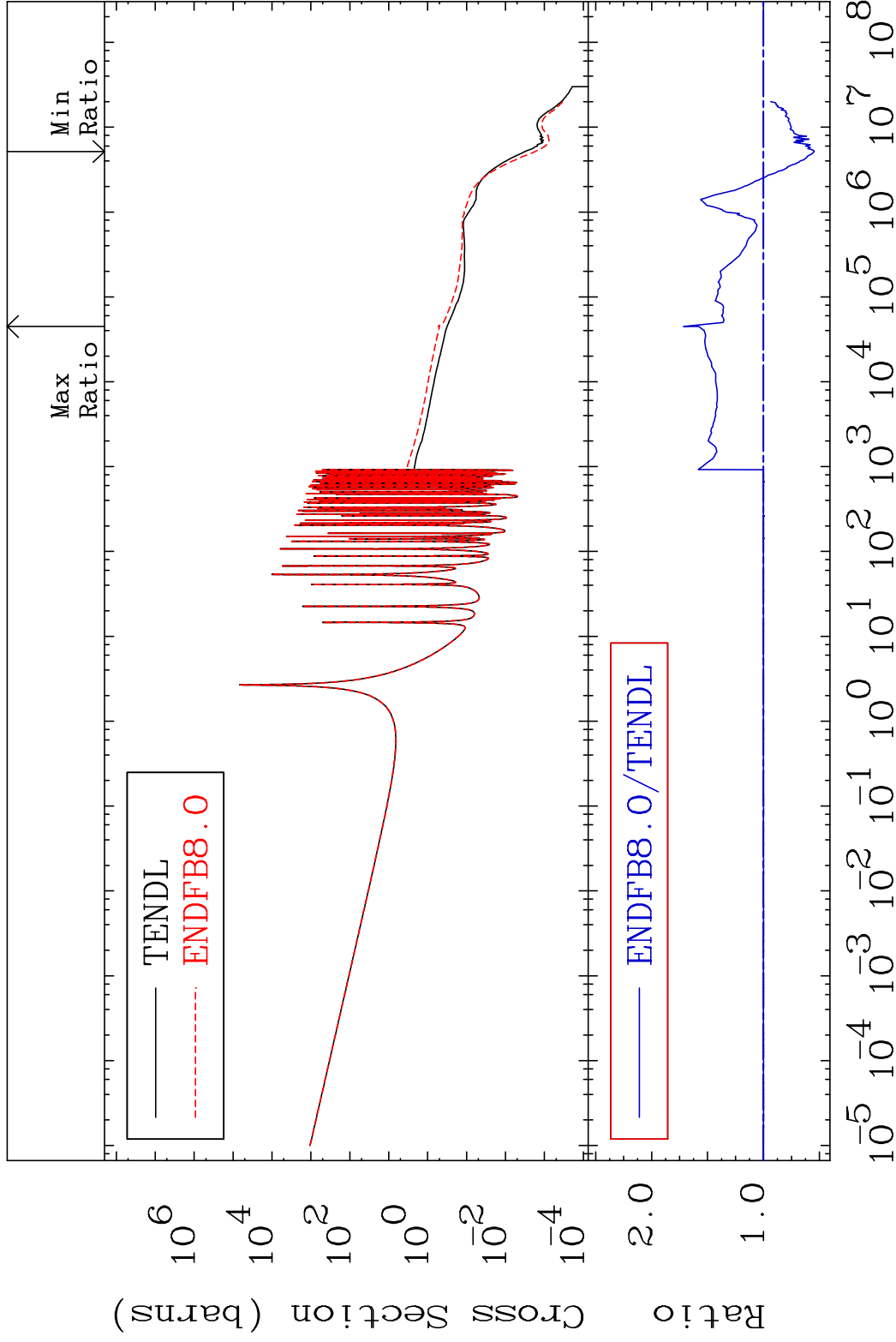
94-Pu-242

MAT 9446

(n, γ)

94-Pu-242

Cross Section -45.25 To 71.36 %

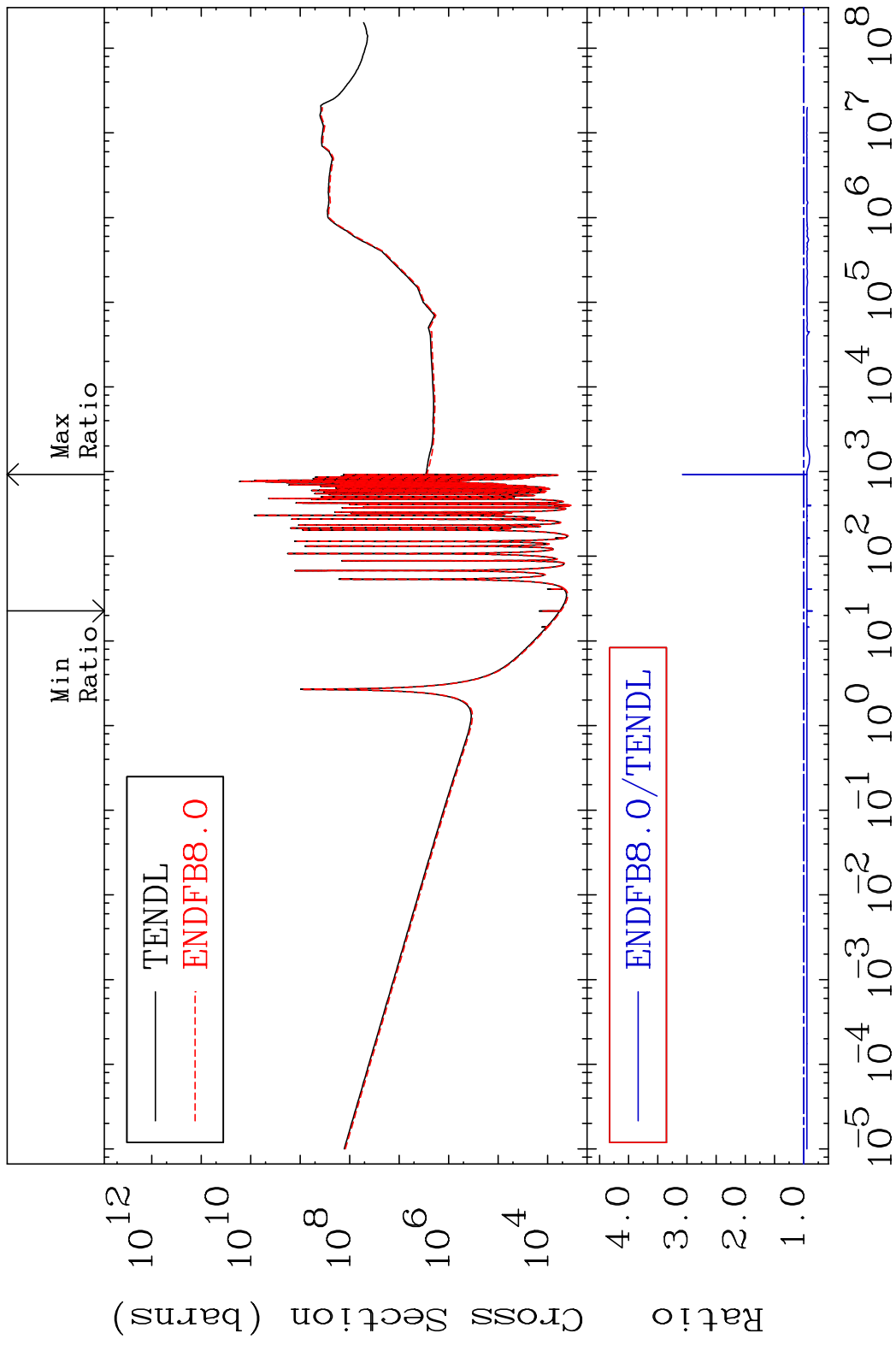


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Incident Energy (eV)

94-Pu-242

MAT 9446 Kerma total (eV-barns) 94-Pu-242
 Cross Section -15.18 To 208.0 %

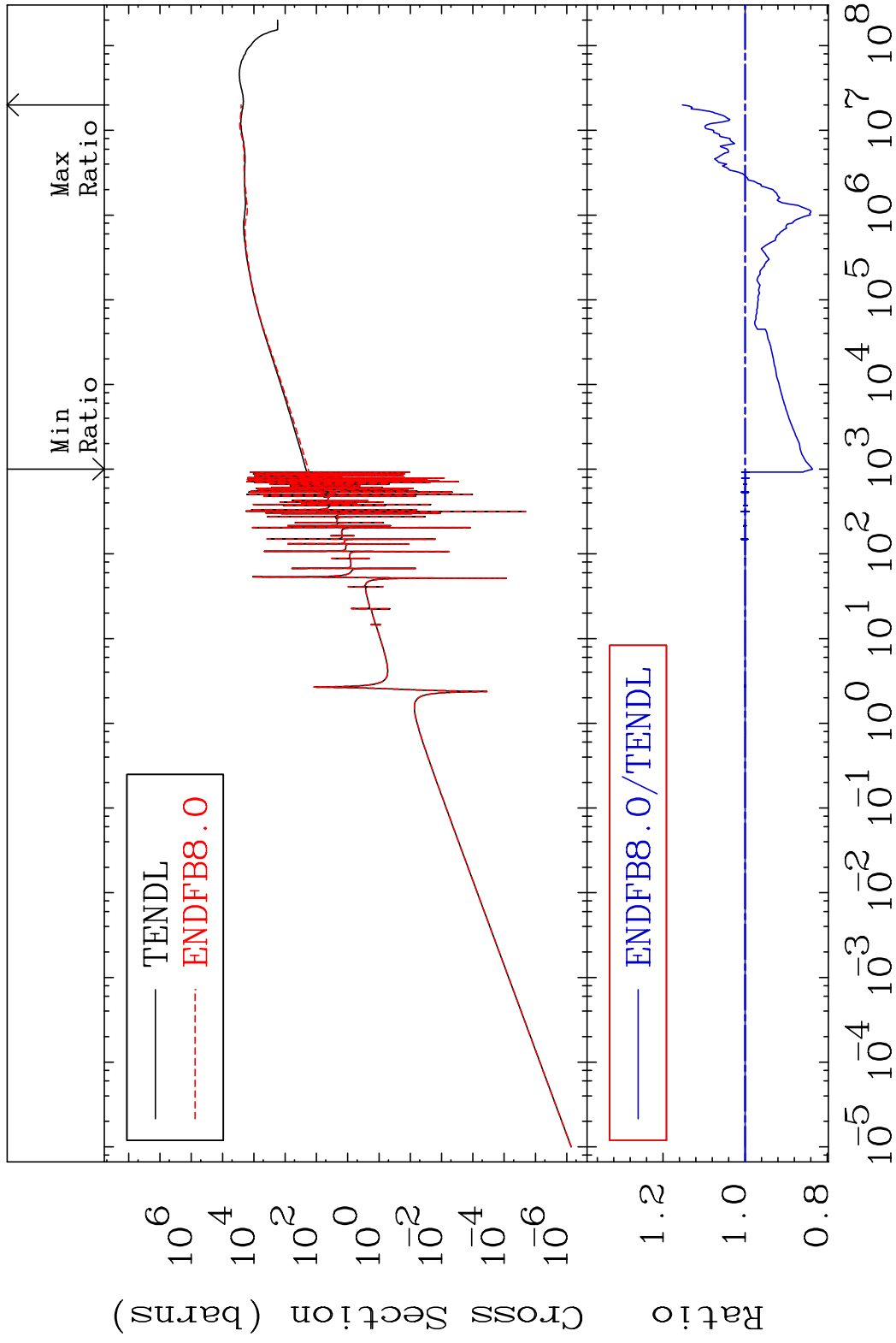


MAT 9446

Kerma elastic

94-Pu-242

Cross Section -16.43 To 15.30 %

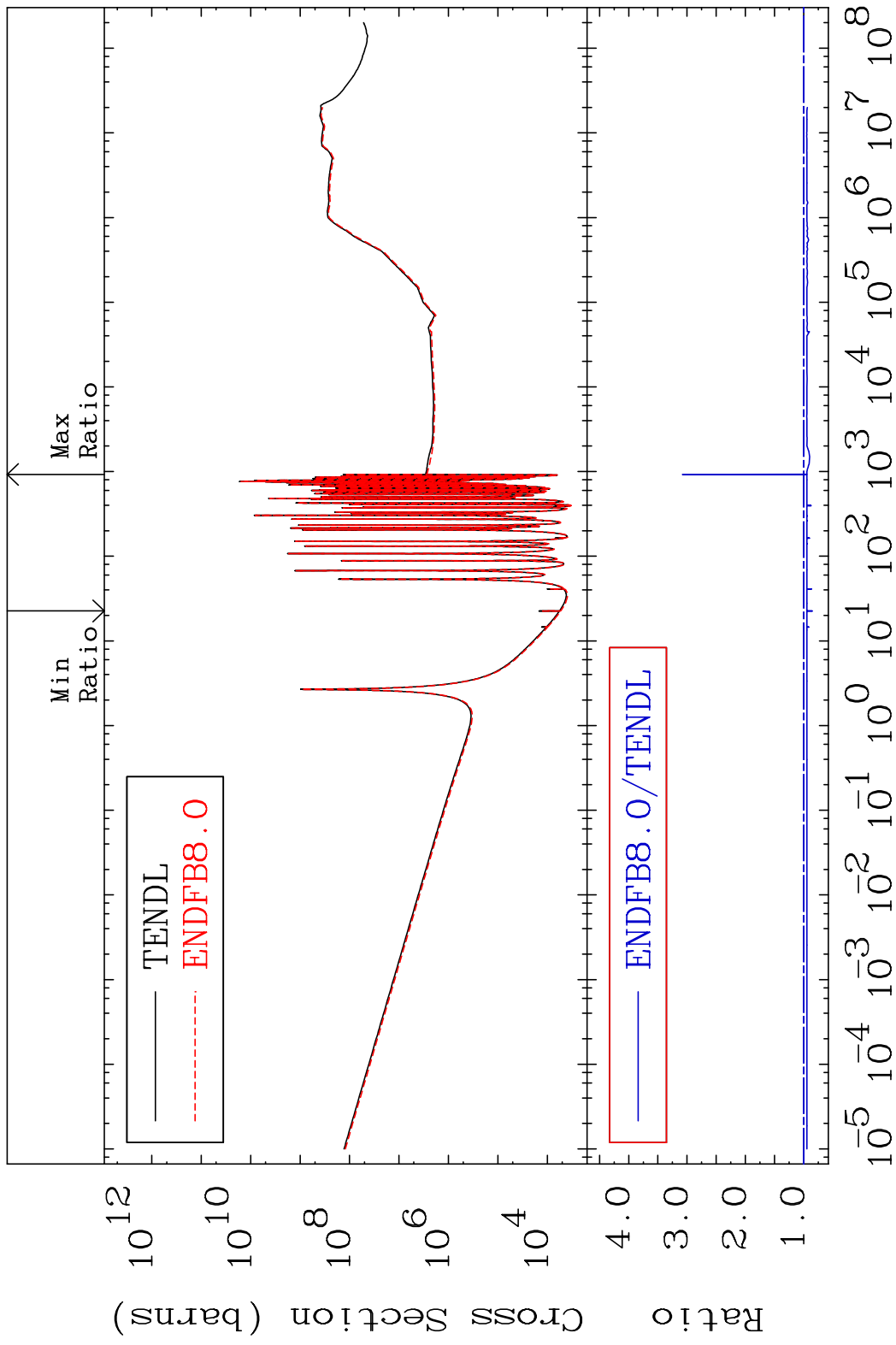


35

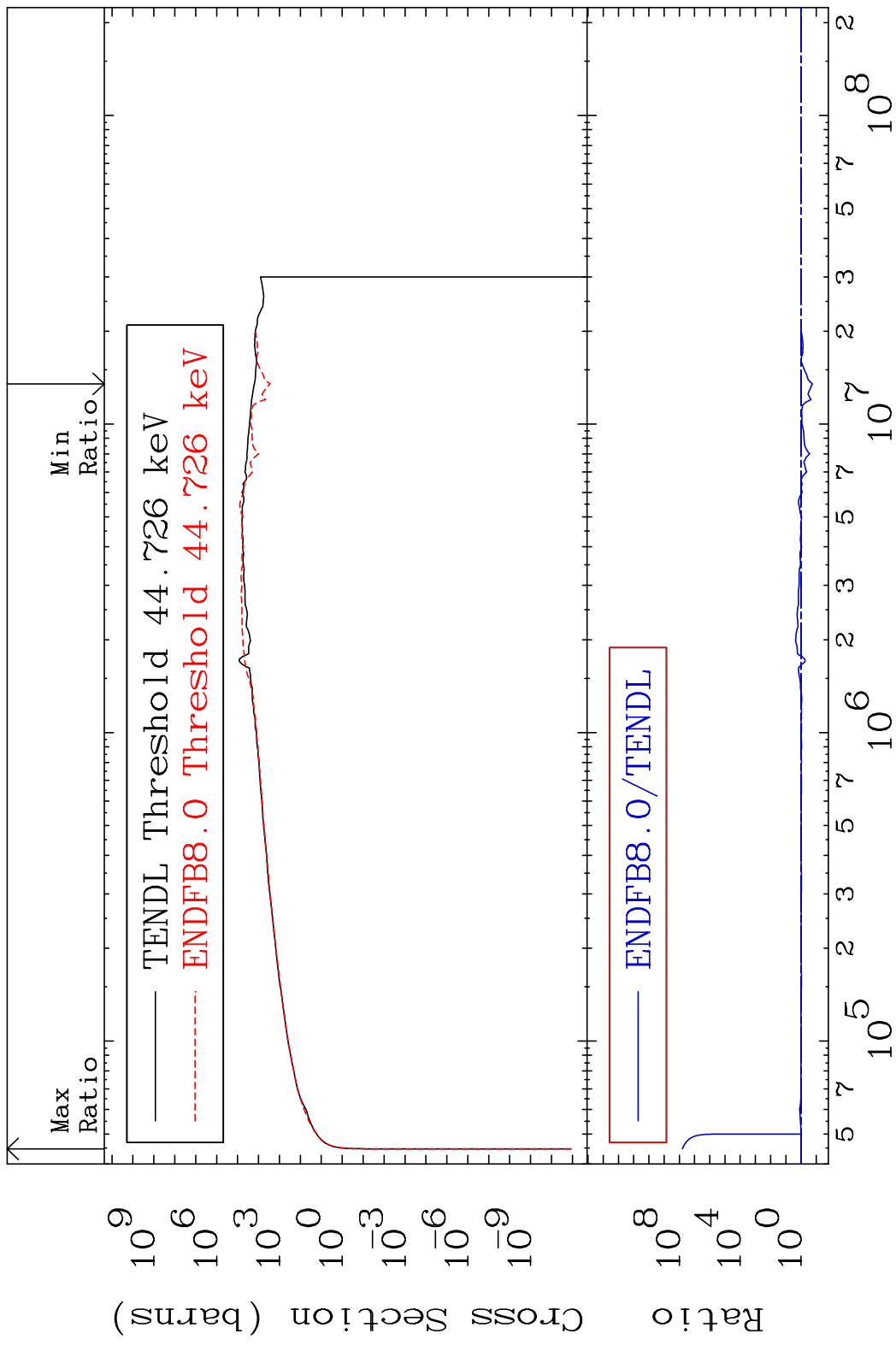
Incident Energy (eV)

94-Pu-242

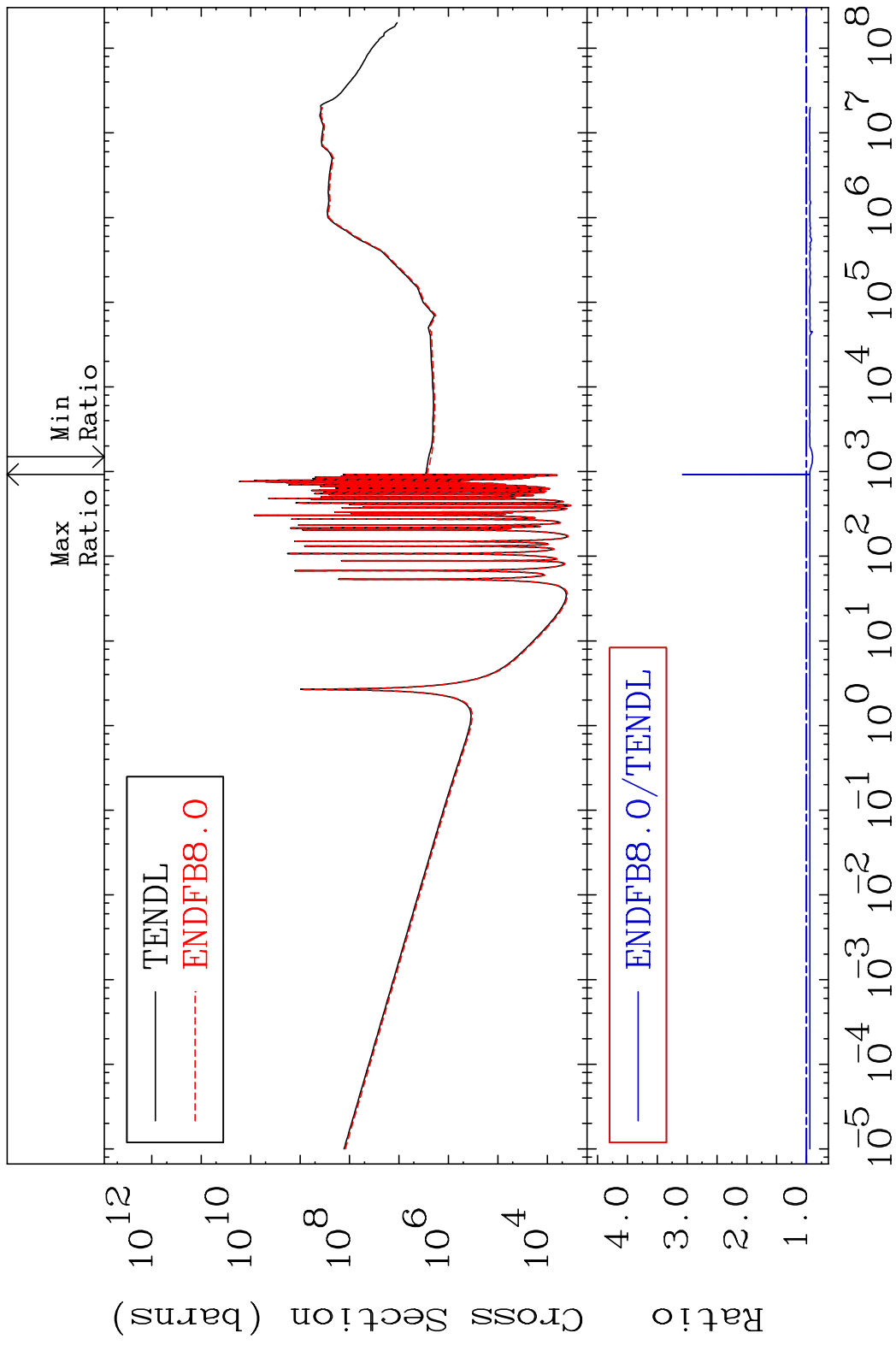
MAT 9446 Kerma non-elastic (all but mt2) 94-Pu-242
 Cross Section -15.19 To 208.0 %



MAT 9446 Kerma inelastic (mt51-91) 94-Pu-242
 Cross Section -82.52 To 9999. %



MAT 9446 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-242
 Cross Section -10.10 To 208.0 %

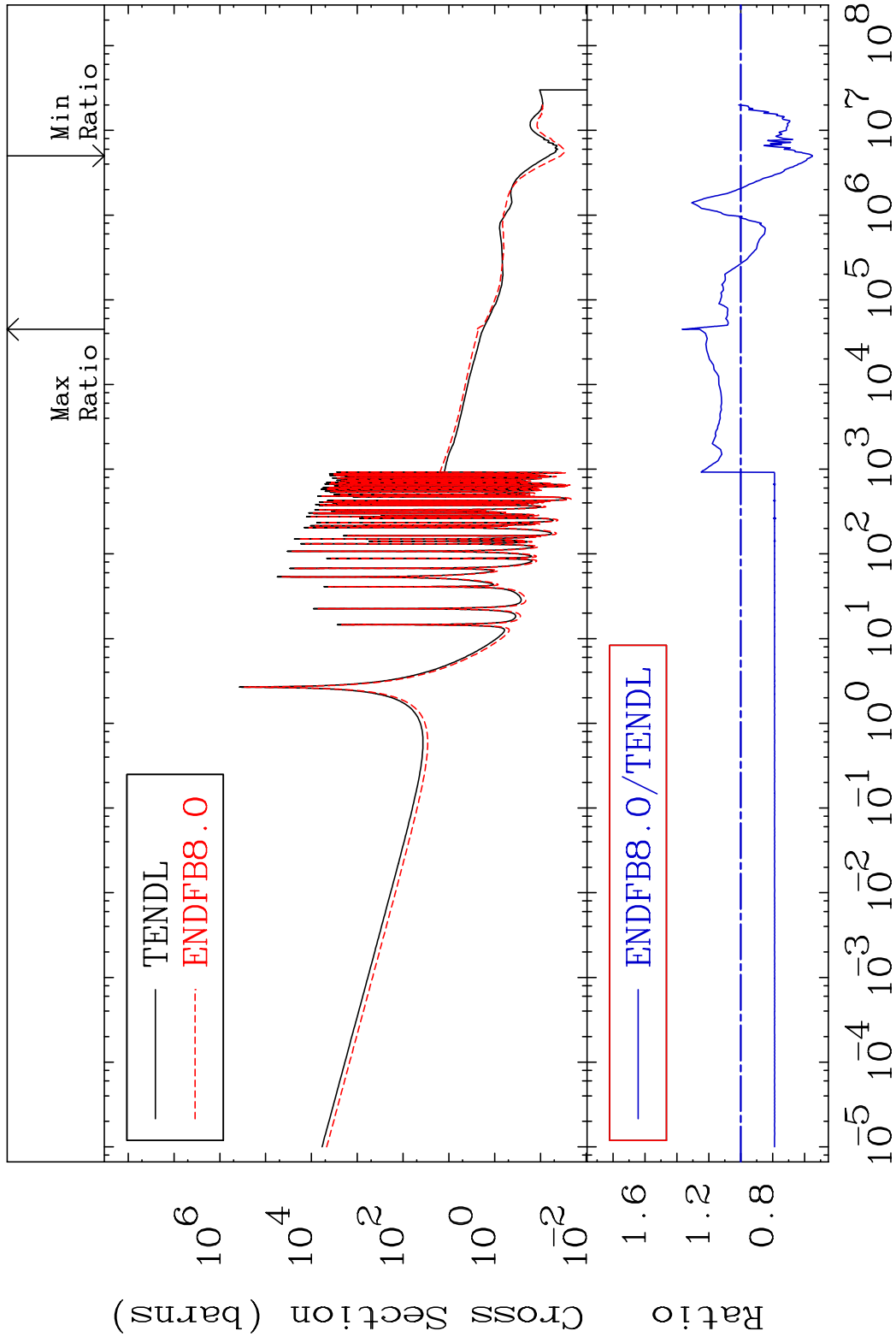


MAT 9446

Kerma capture (mt102)

94-Pu-242

Cross Section -44.96 To 36.62 %



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Incident Energy (eV)

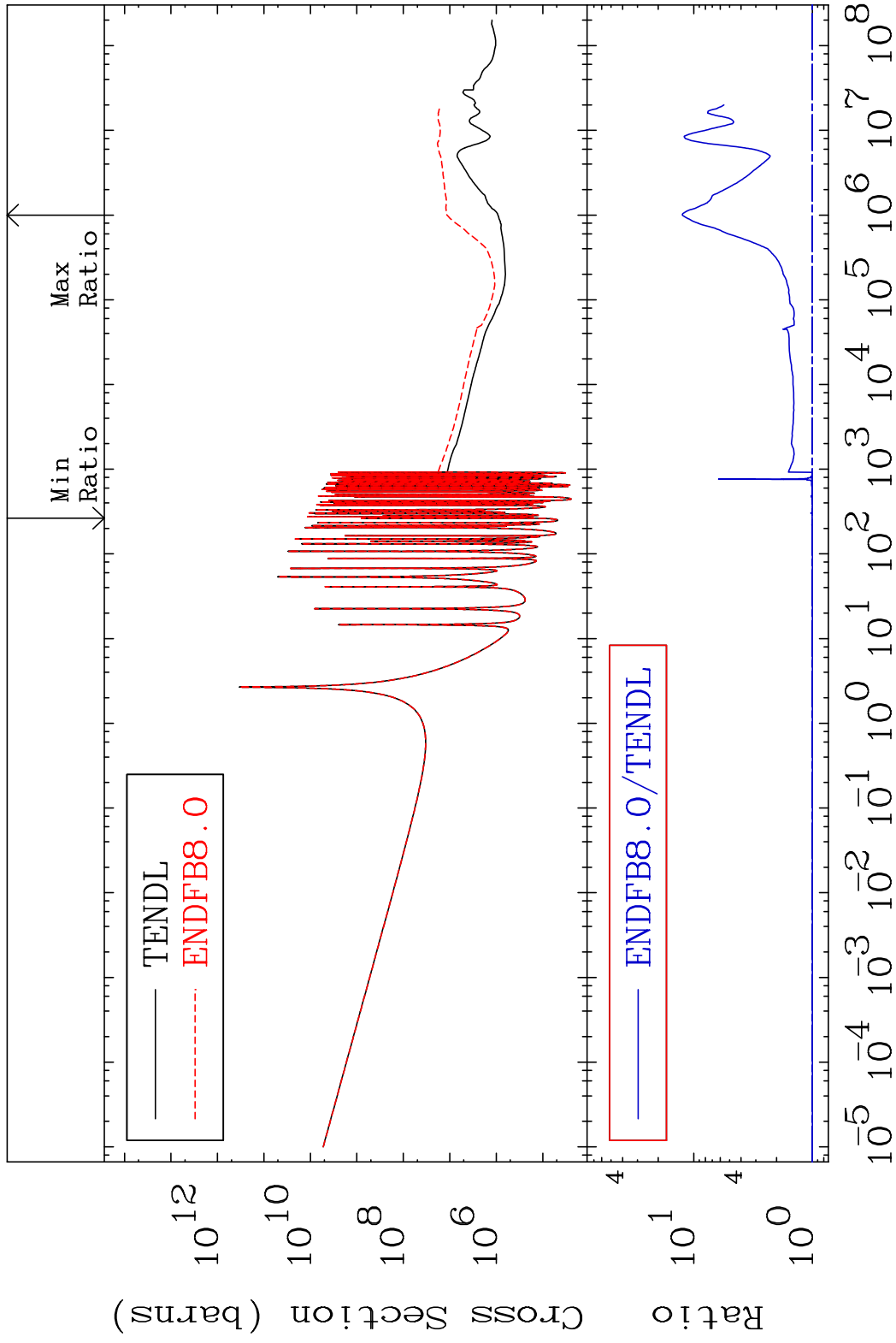
94-Pu-242

MAT 9446

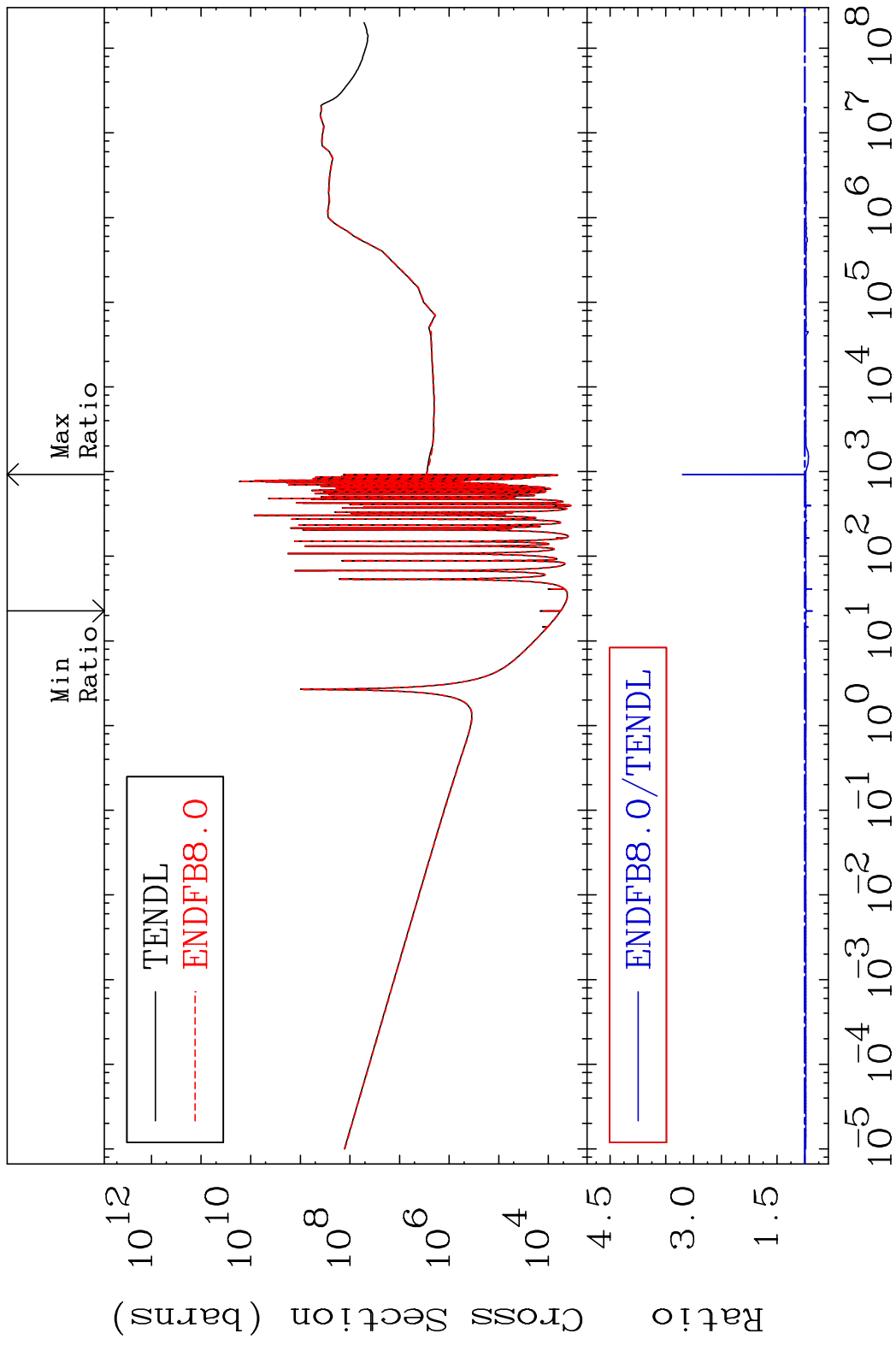
Total photon (eV-barns)

94-Pu-242

Cross Section -0.5660 To 1151. %



MAT 9446 Total kinematic kerma (high limit) 94-Pu-242
 Cross Section -13.74 To 220.3 %

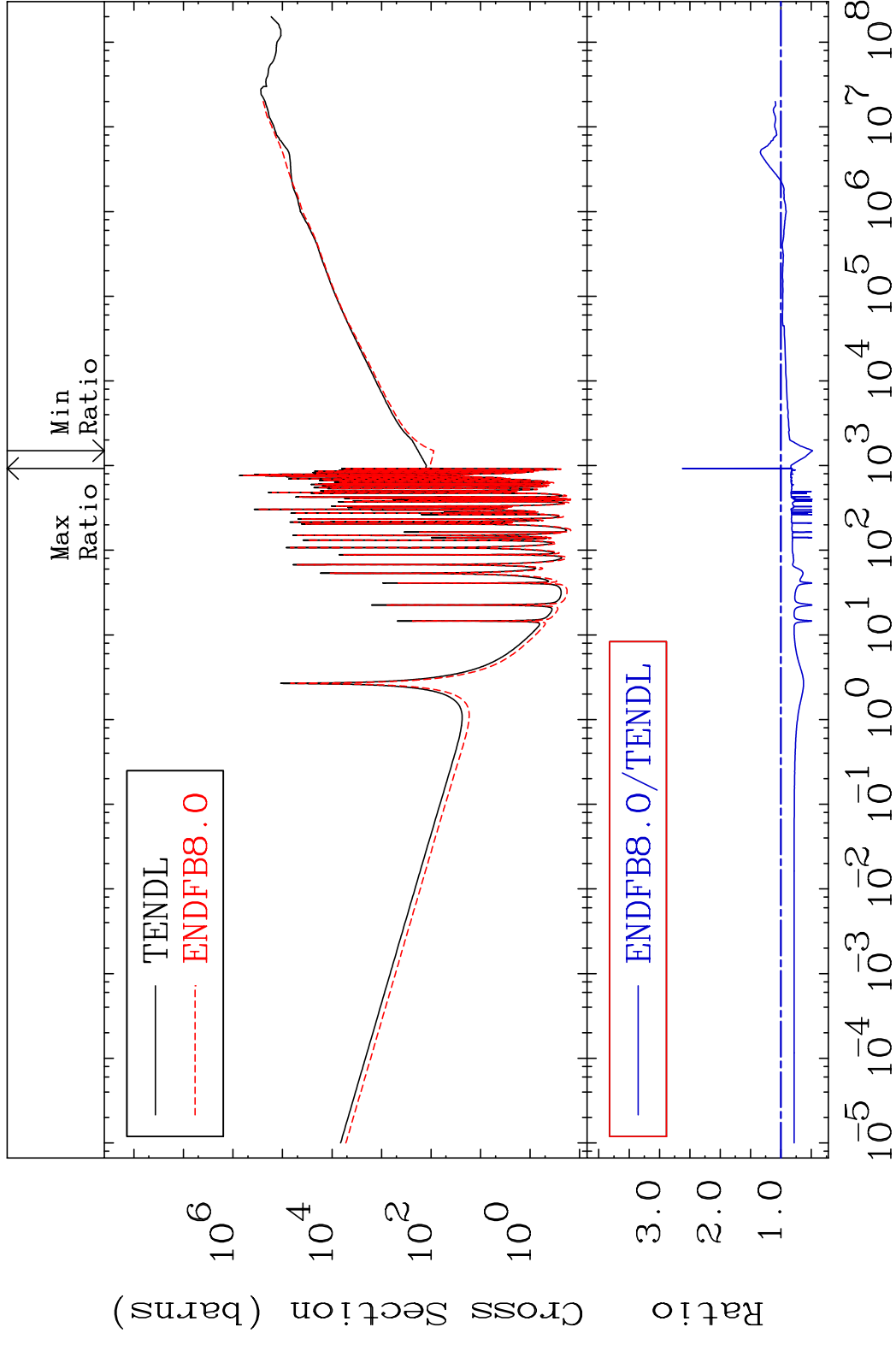


MAT 9446

Dpa total (eV-barns)

94-Pu-242

Cross Section -52.12 To 162.4 %

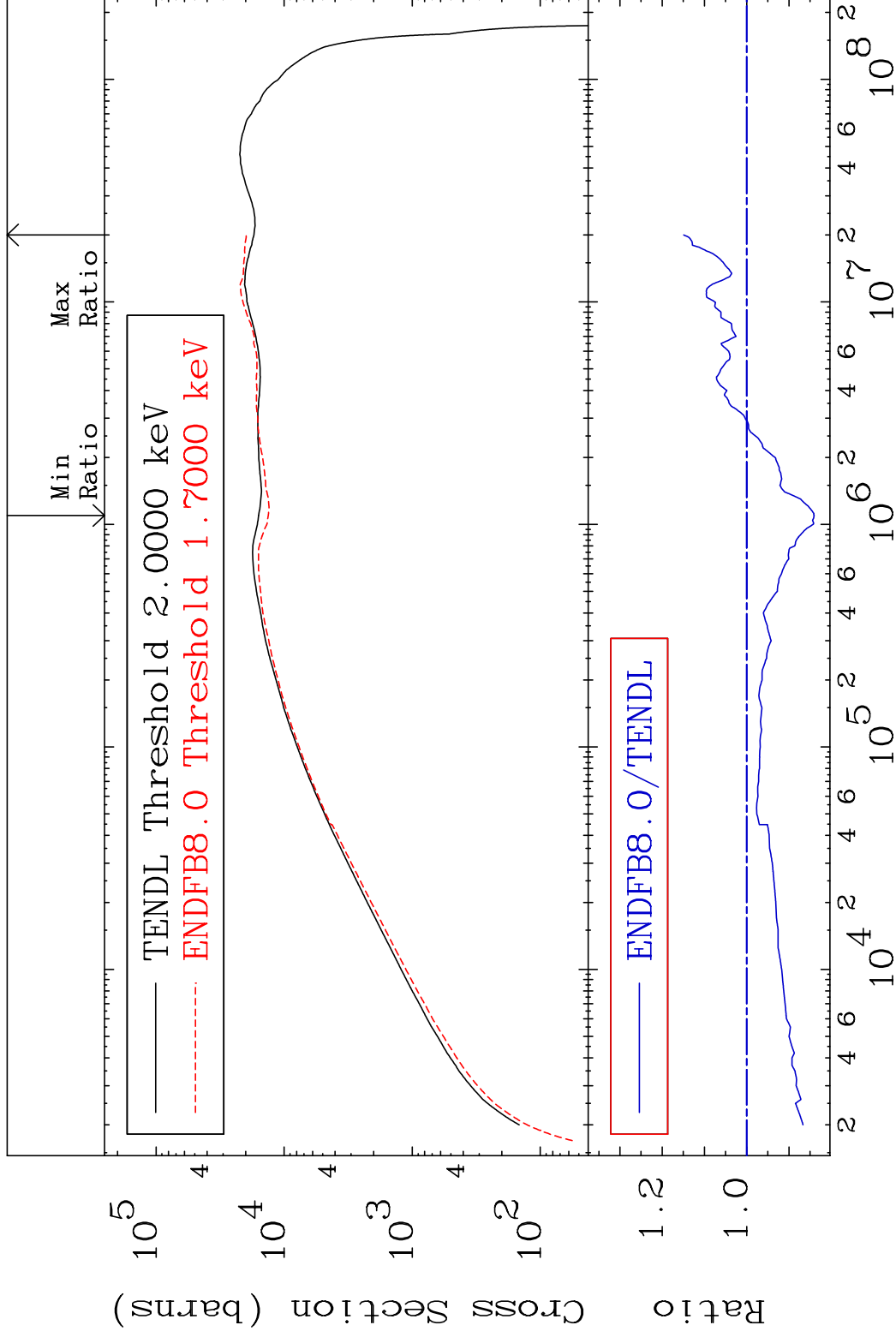


MAT 9446

Dpa elastic (mt2)

94-Pu-242

Cross Section -15.96 To 14.92 %

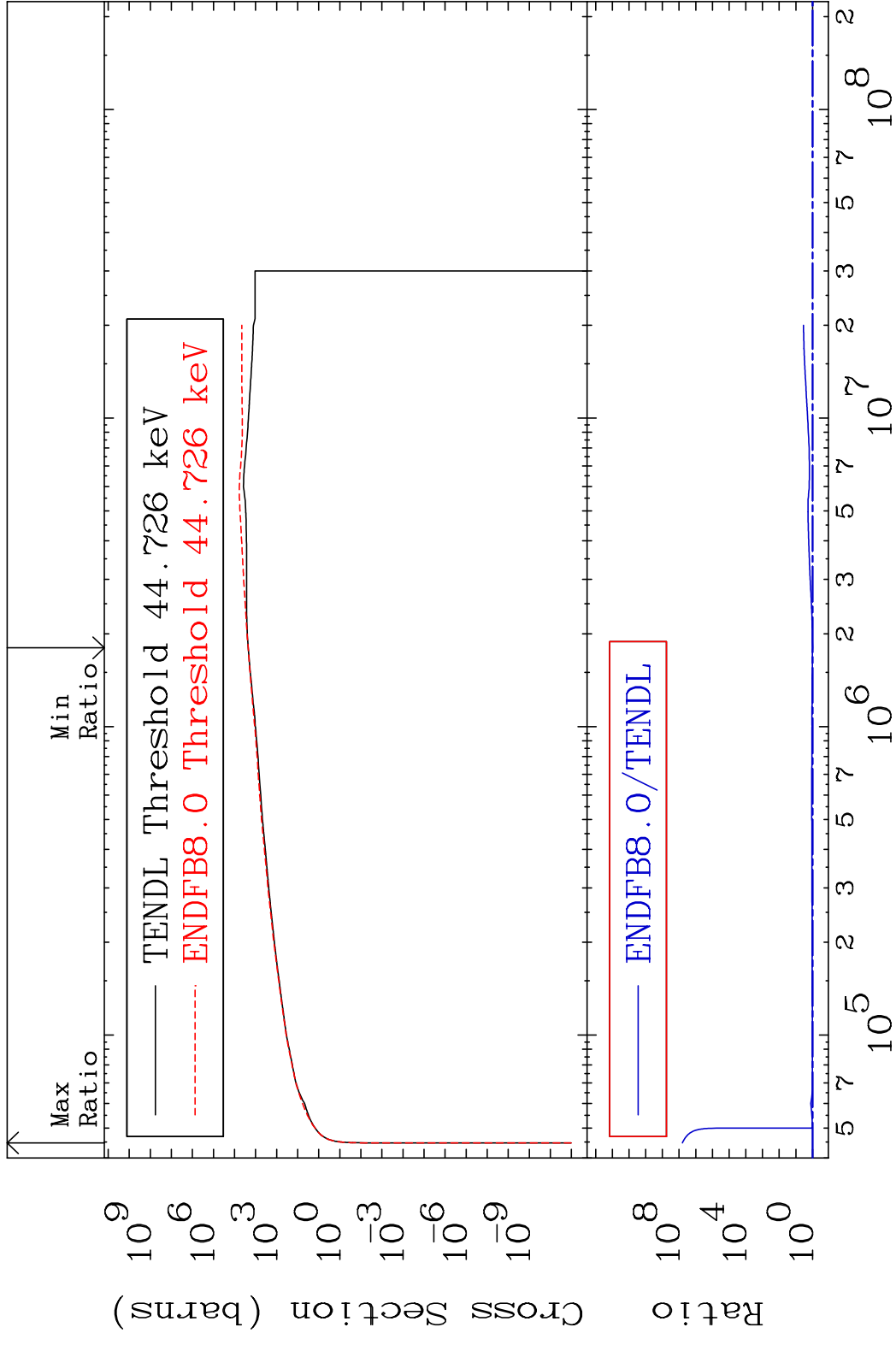


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Incident Energy (eV)

94-Pu-242

MAT 9446 Dpa inelastic (mt51-91) 94-Pu-242
 Cross Section -0.370 To 9999. %



MAT 9446 Dpa disappearance (mt102 -120) 94-Pu-242
 Cross Section -99.99 To 15.27 %

