

Program Complot
(Version 2021-1)

by

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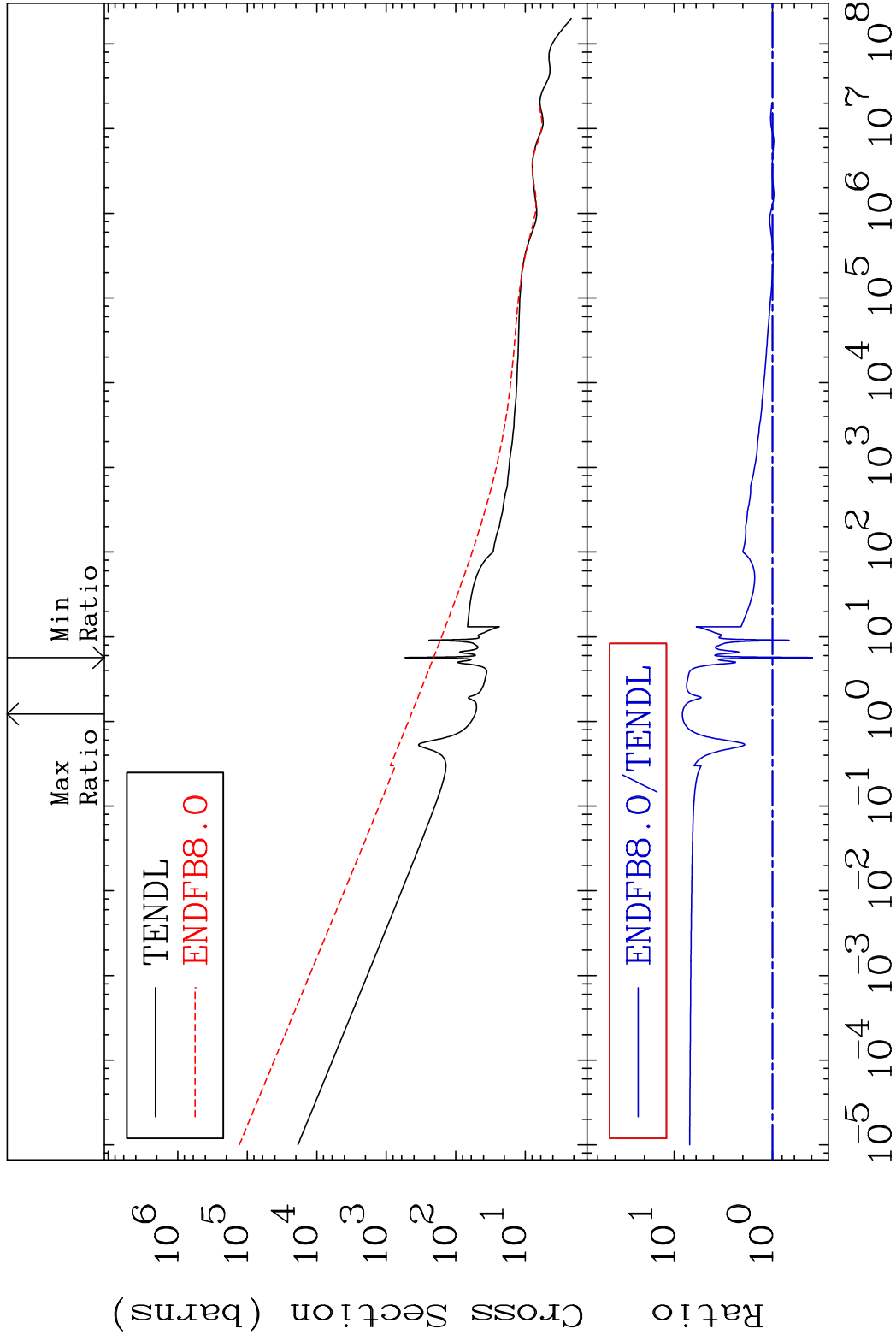
Press Mouse Button to Start

MAT 9431

Total

94-Pu-237

Cross Section -60.86 To 726.6 %



1

Incident Energy (eV)

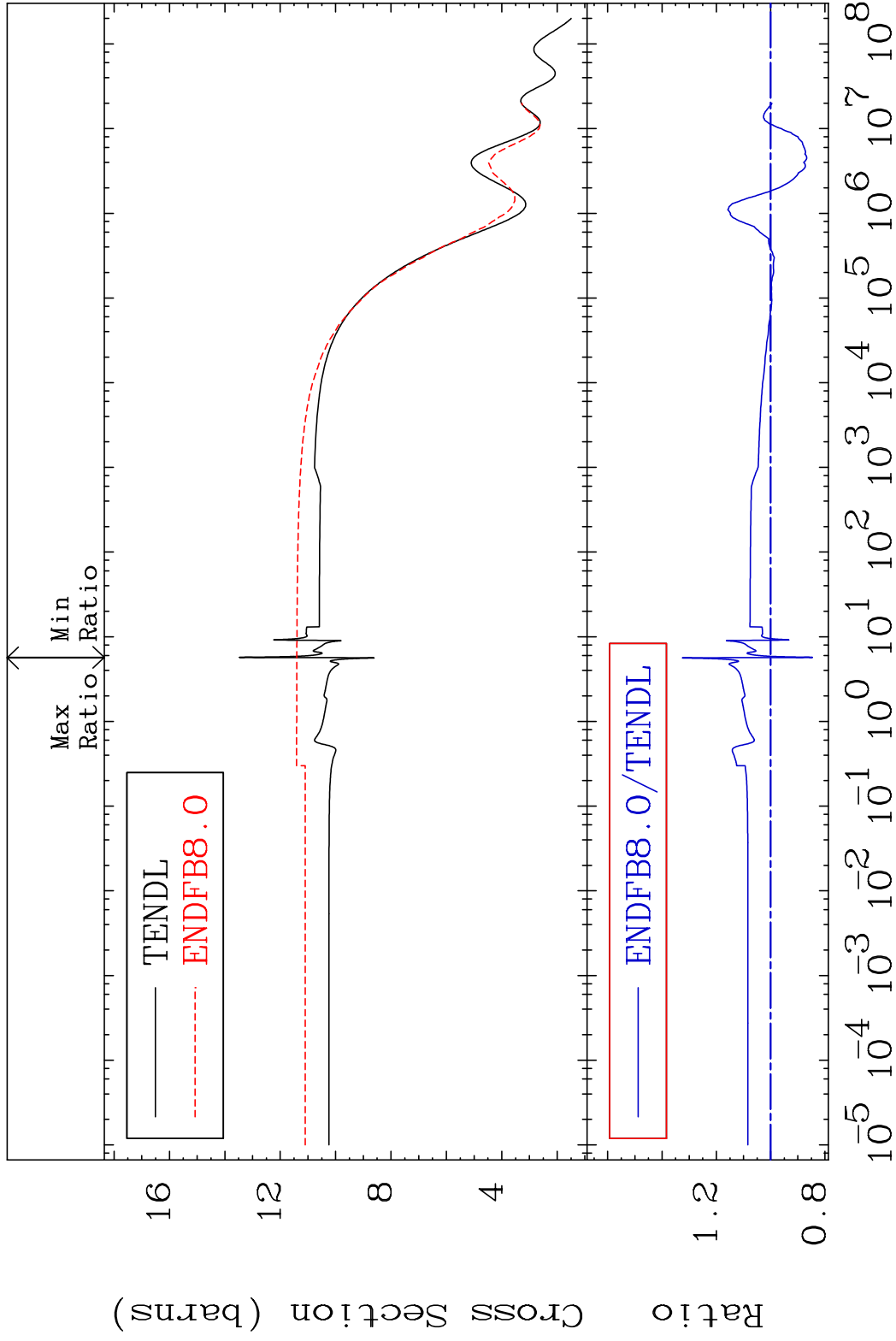
94-Pu-237

MAT 9431

94-Pu-237

Elastic

Cross Section -15.41 To 32.52 %



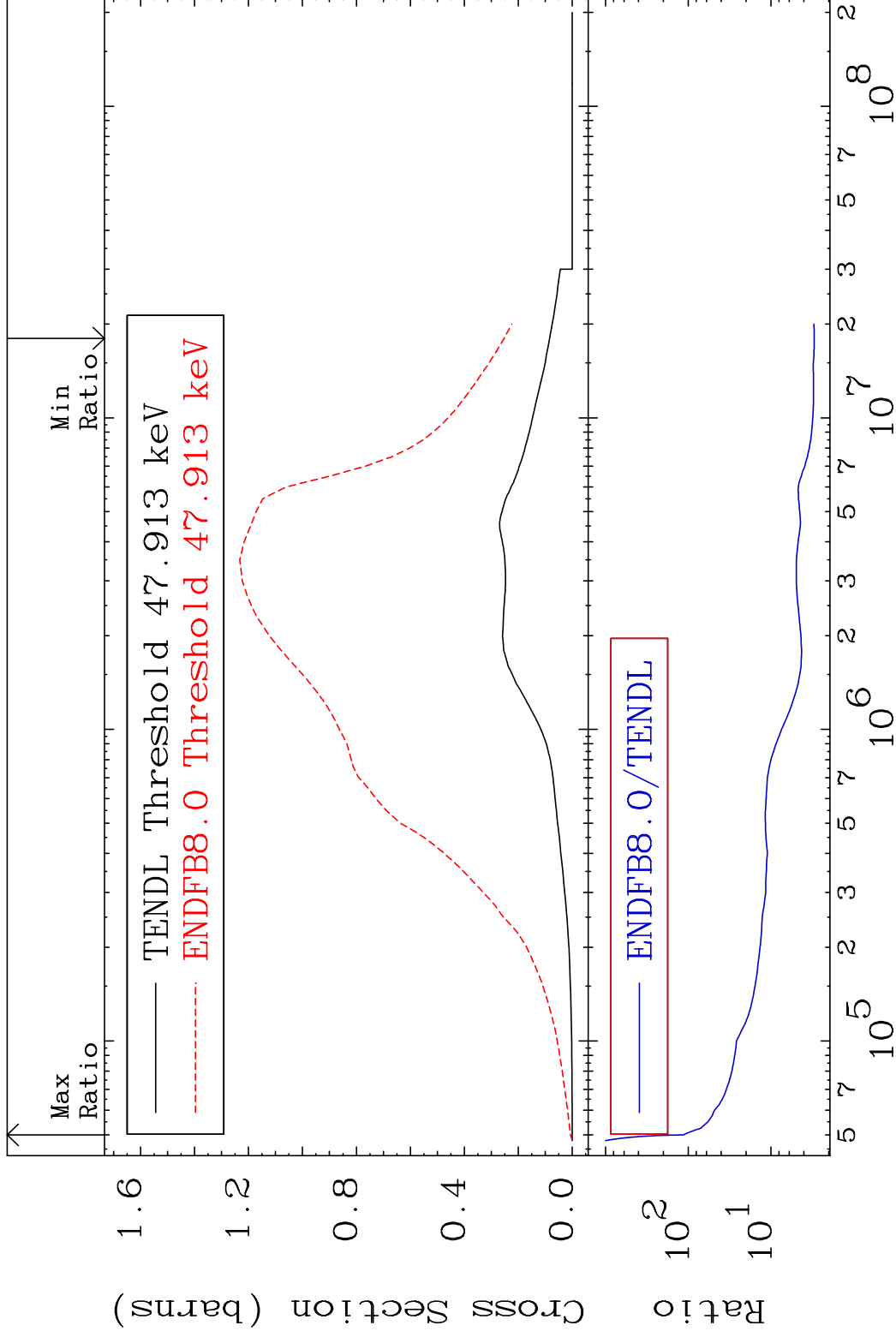
Incident Energy (eV) 94-Pu-237

MAT 9431

Inelastic

94-Pu-237

Cross Section 200.9 To 9999. %



3

Incident Energy (eV)

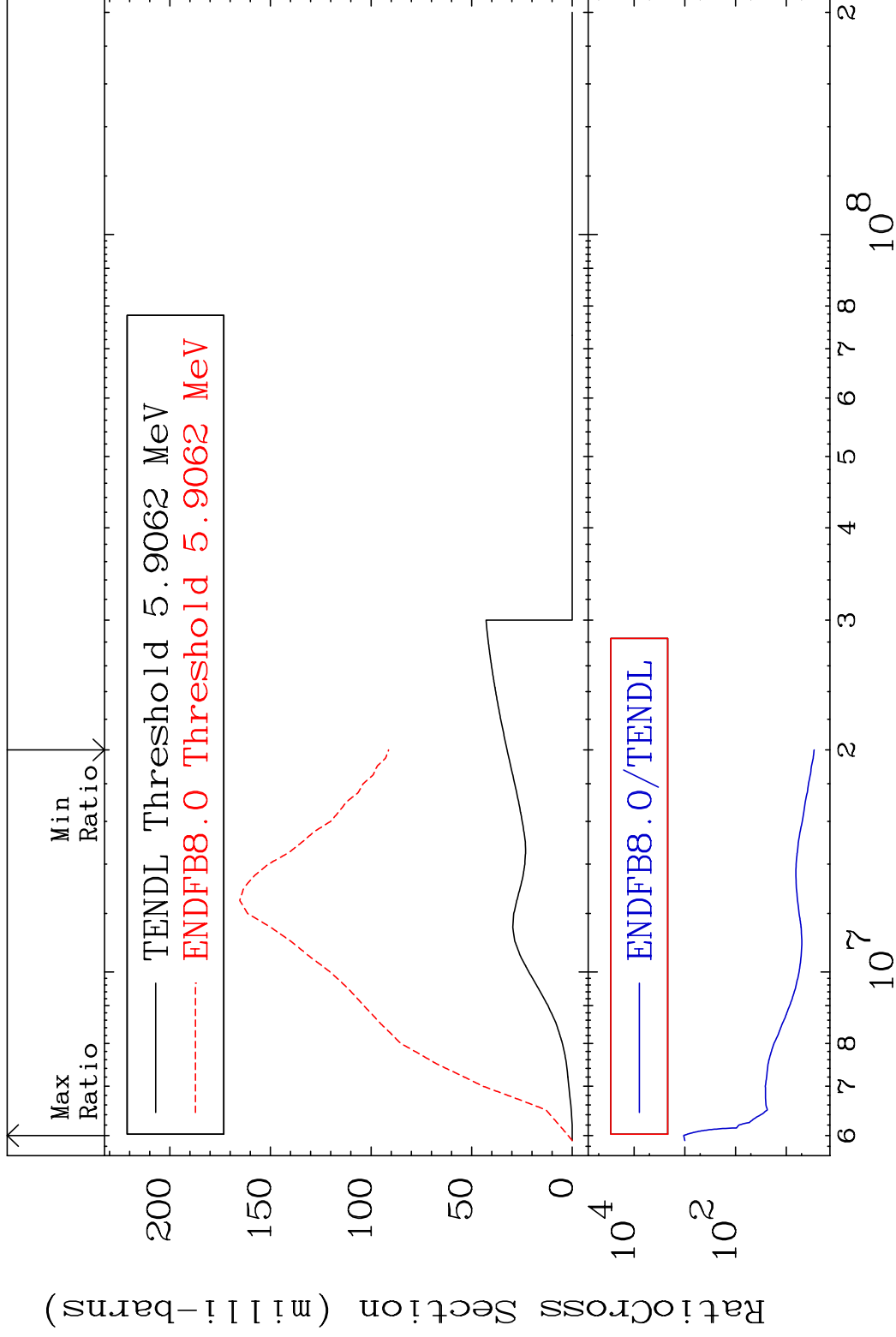
94-Pu-237

MAT 9431

(n,2n)

94-Pu-237

Cross Section 181.9 To 9999. %



4

Incident Energy (eV)

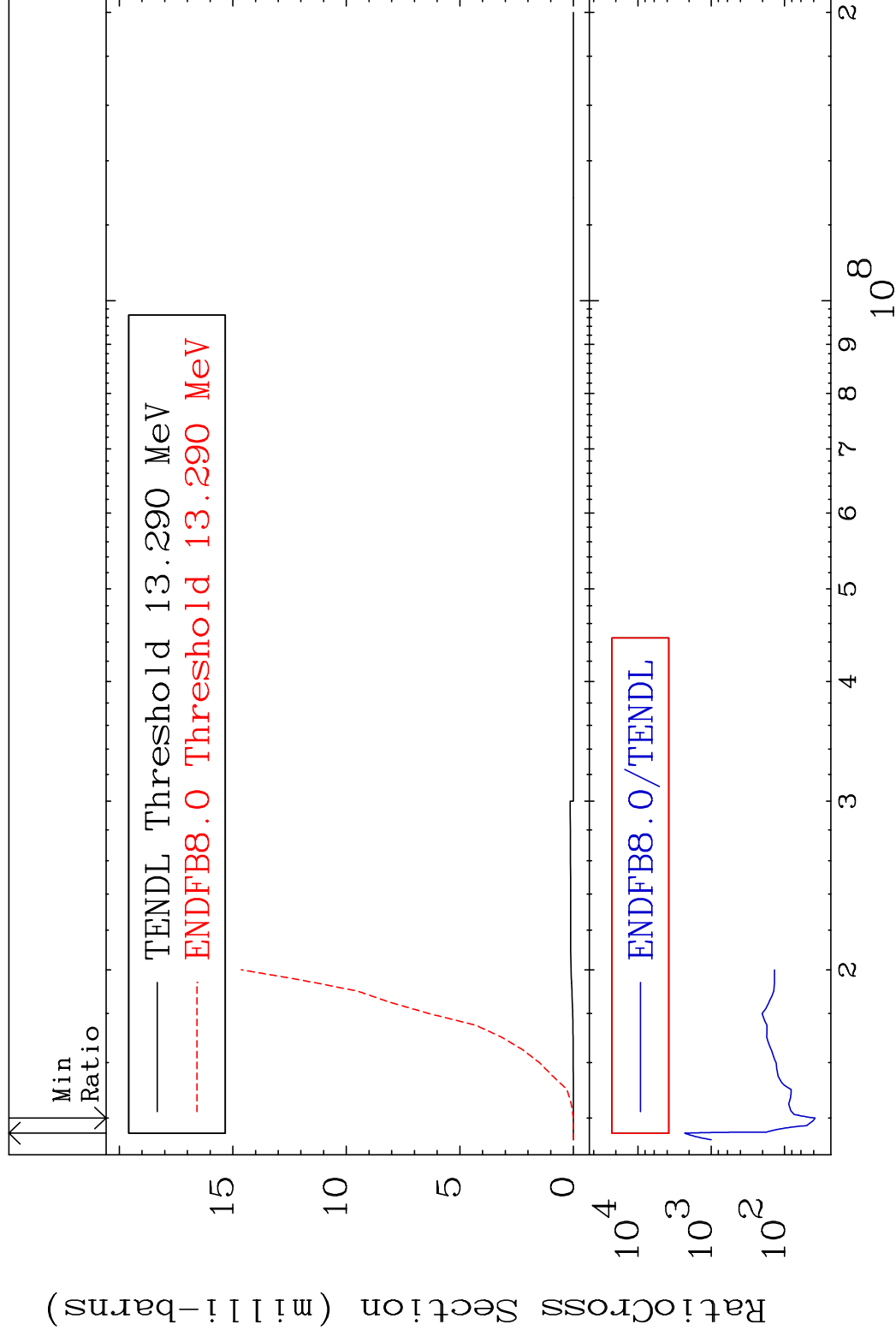
94-Pu-237

MAT 9431

(n,3n)

94-Pu-237

Cross Section 3749. To 9999. %



5

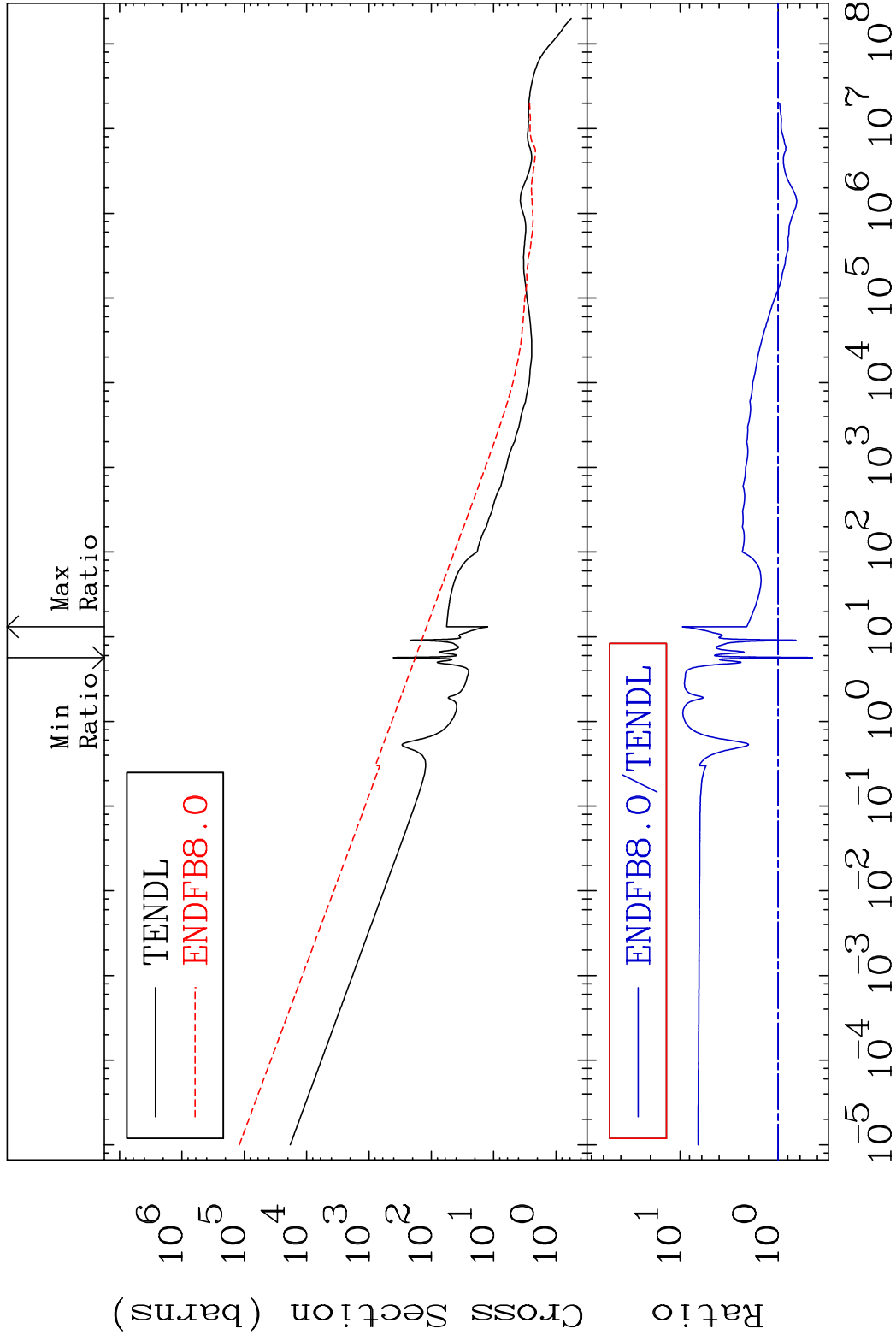
Incident Energy (eV)

94-Pu-237

MAT 9431

Fission
Cross Section -55.27 To 846.6 %

94-Pu-237



6

Incident Energy (eV)

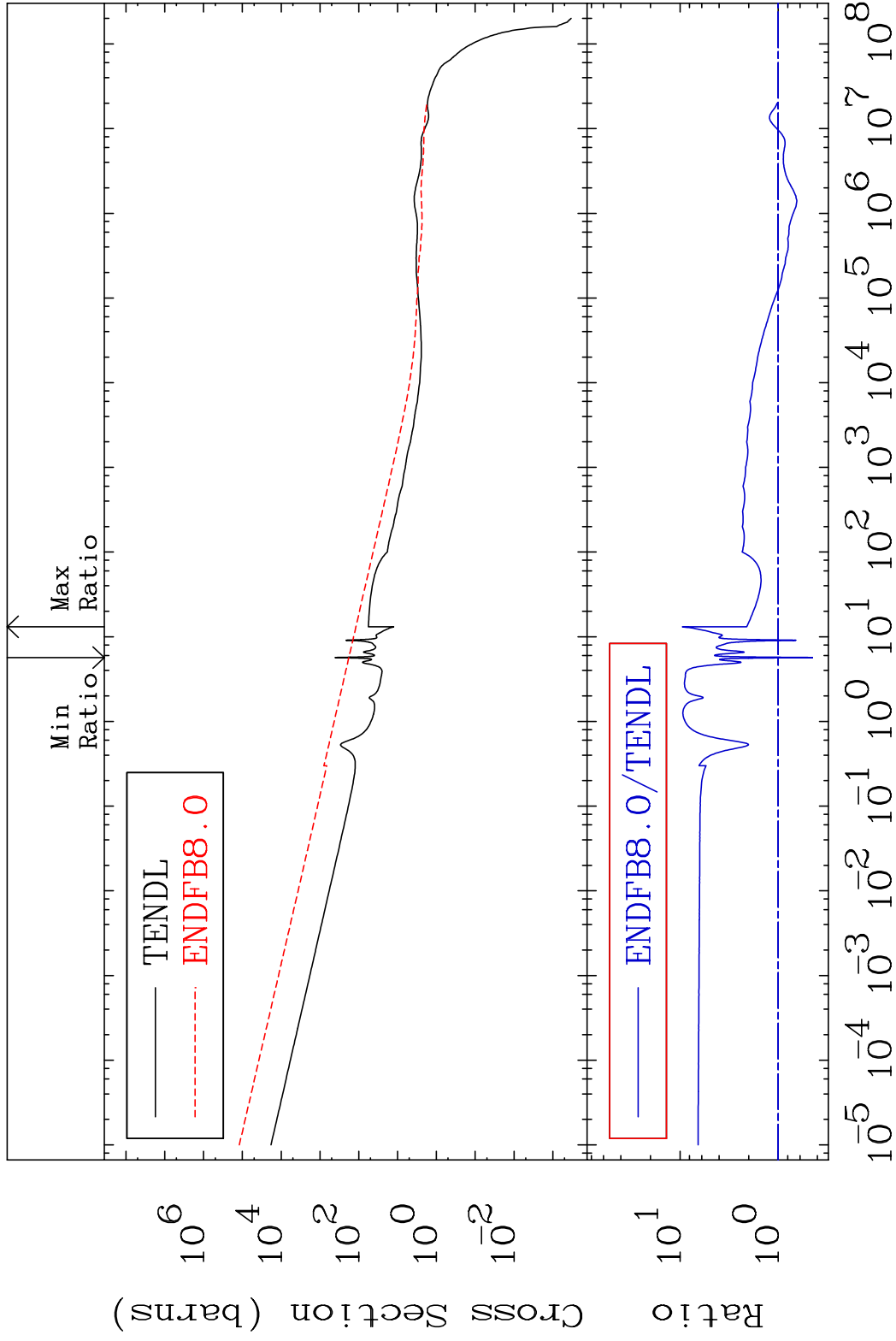
94-Pu-237

MAT 9431

(n,f) First Chance

94-Pu-237

Cross Section -55.27 To 846.6 %



7

Incident Energy (eV)

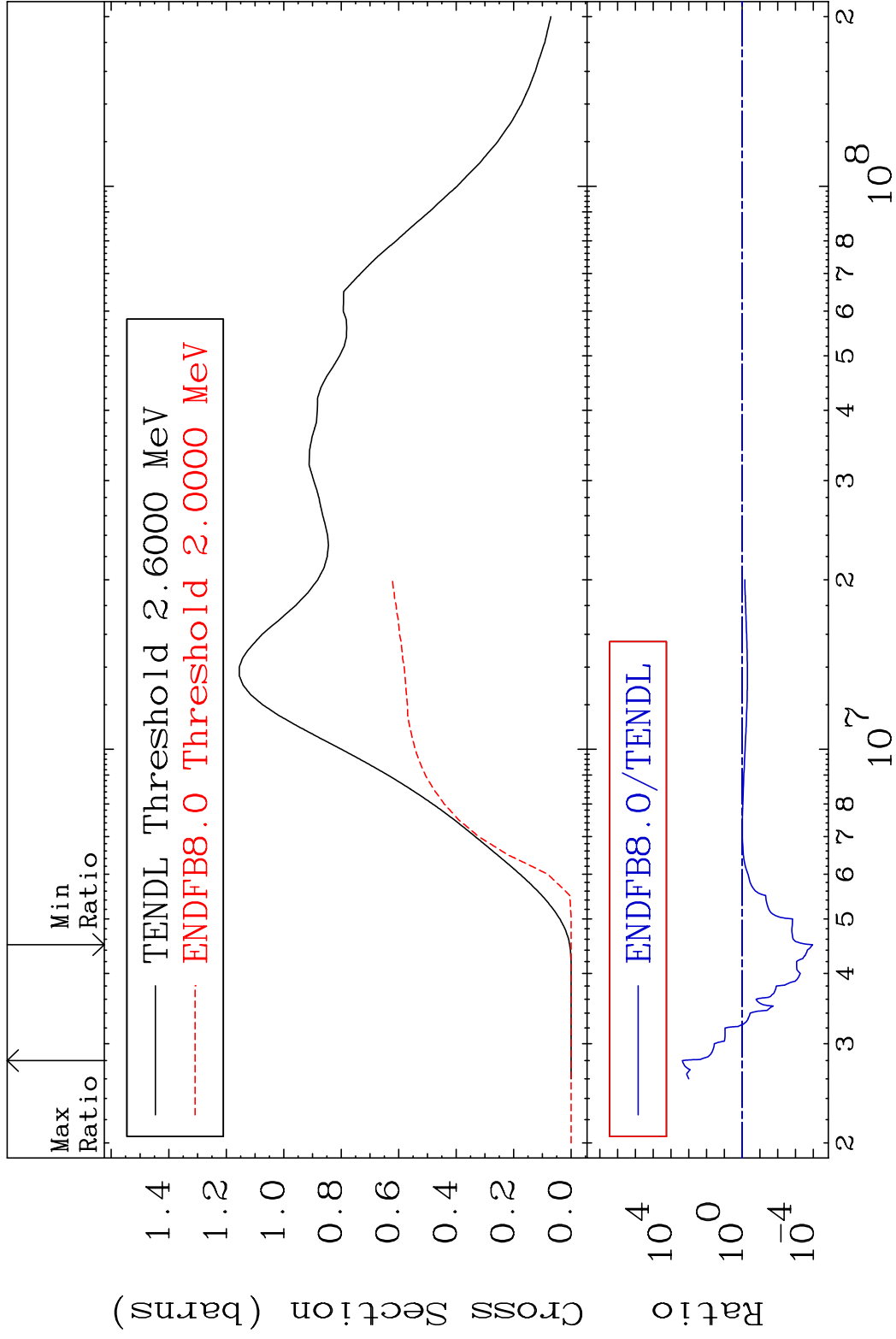
94-Pu-237

MAT 9431

(n, nf) Second Chance

94-Pu-237

Cross Section -99.99 To 9999. %

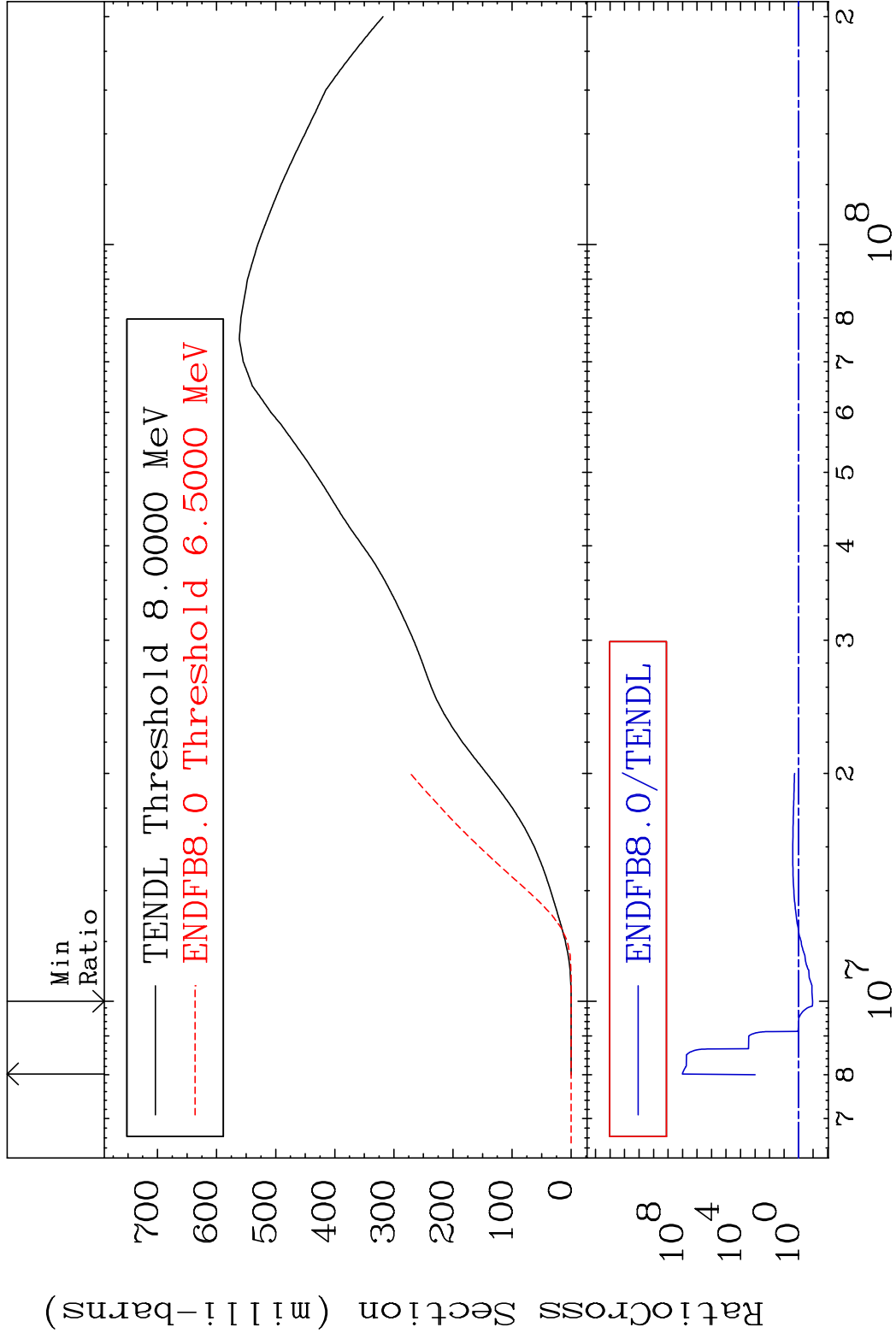


MAT 9431

(n,2nf) Third Chance

94-Pu-237

Cross Section -89.19 To 9999. %



9

Incident Energy (eV)

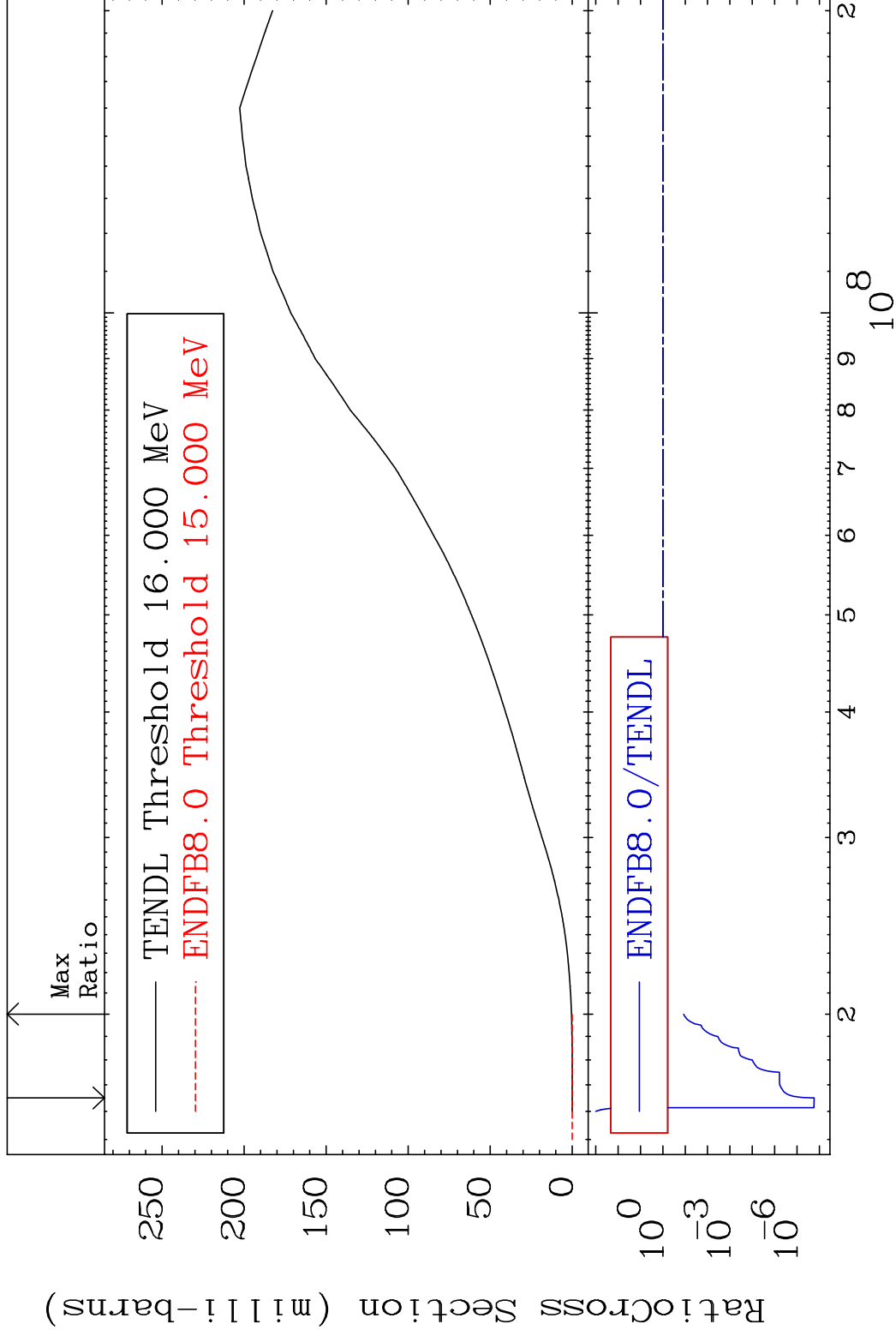
94-Pu-237

MAT 9431

(n,3nf) Fourth Chance

94-Pu-237

Cross Section -100.0 To -88.28%

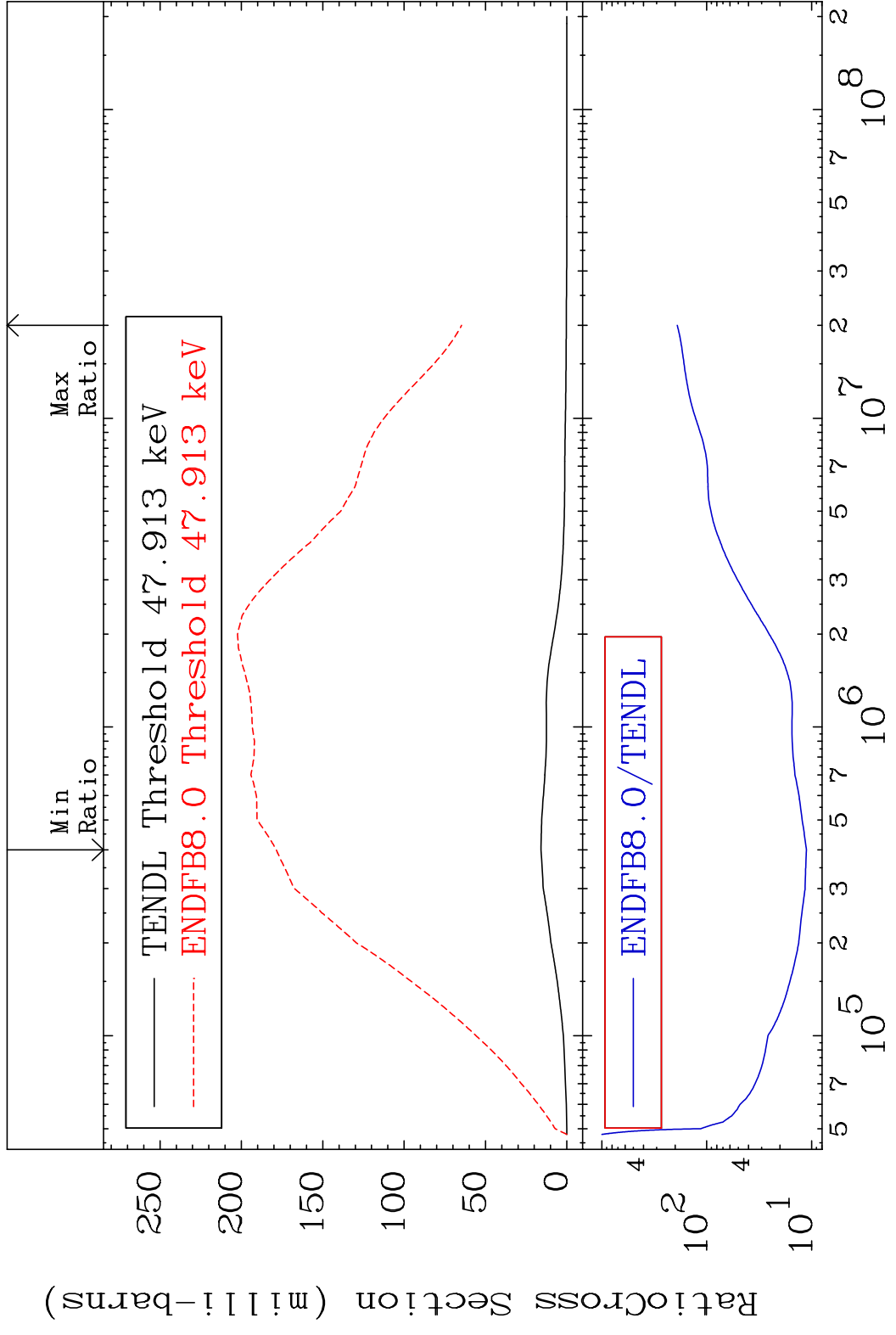


10

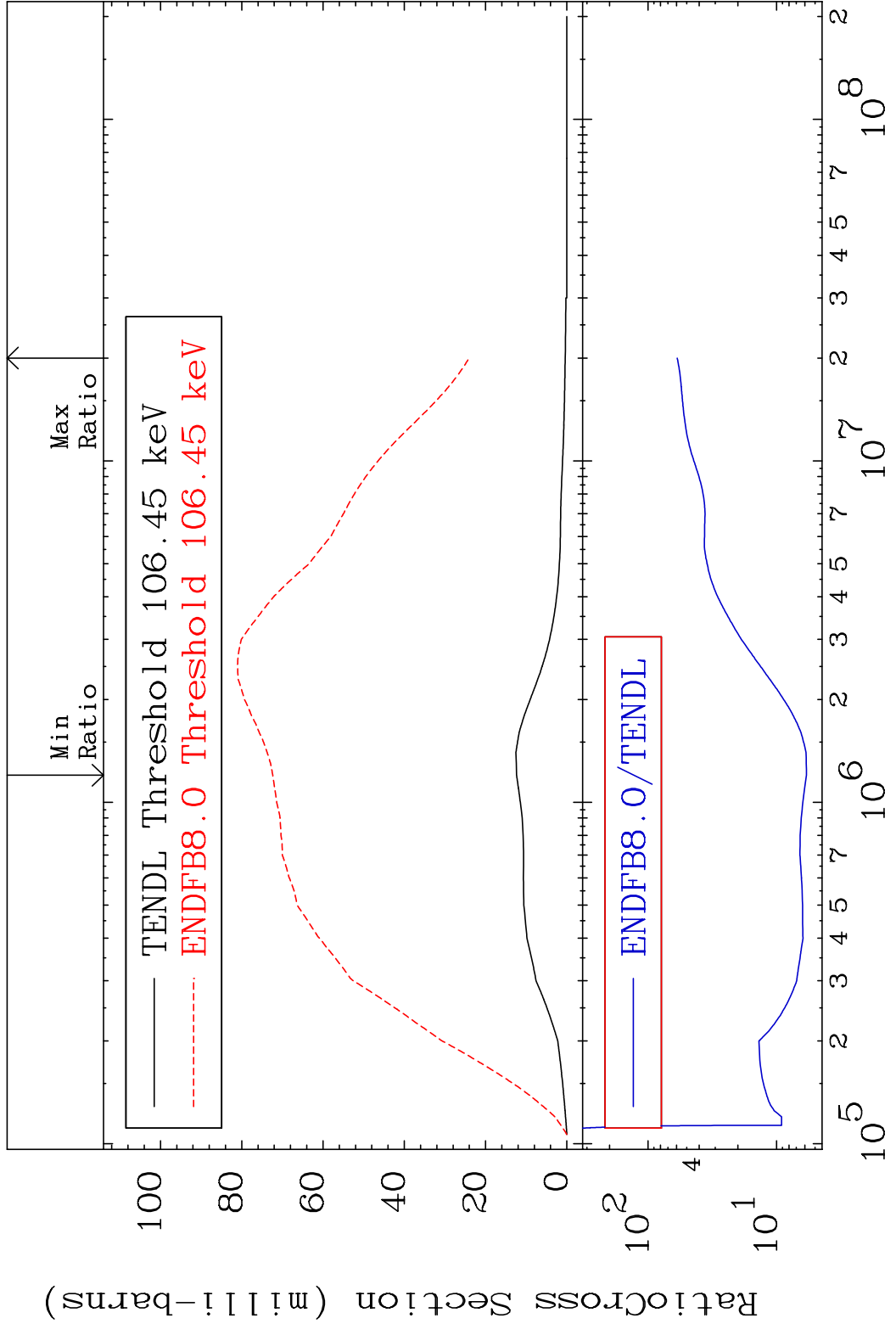
Incident Energy (eV)

94-Pu-237

MAT 9431 MT= 51 (n, n') Level 94-Pu-237
 Cross Section 1021. To 9999. %

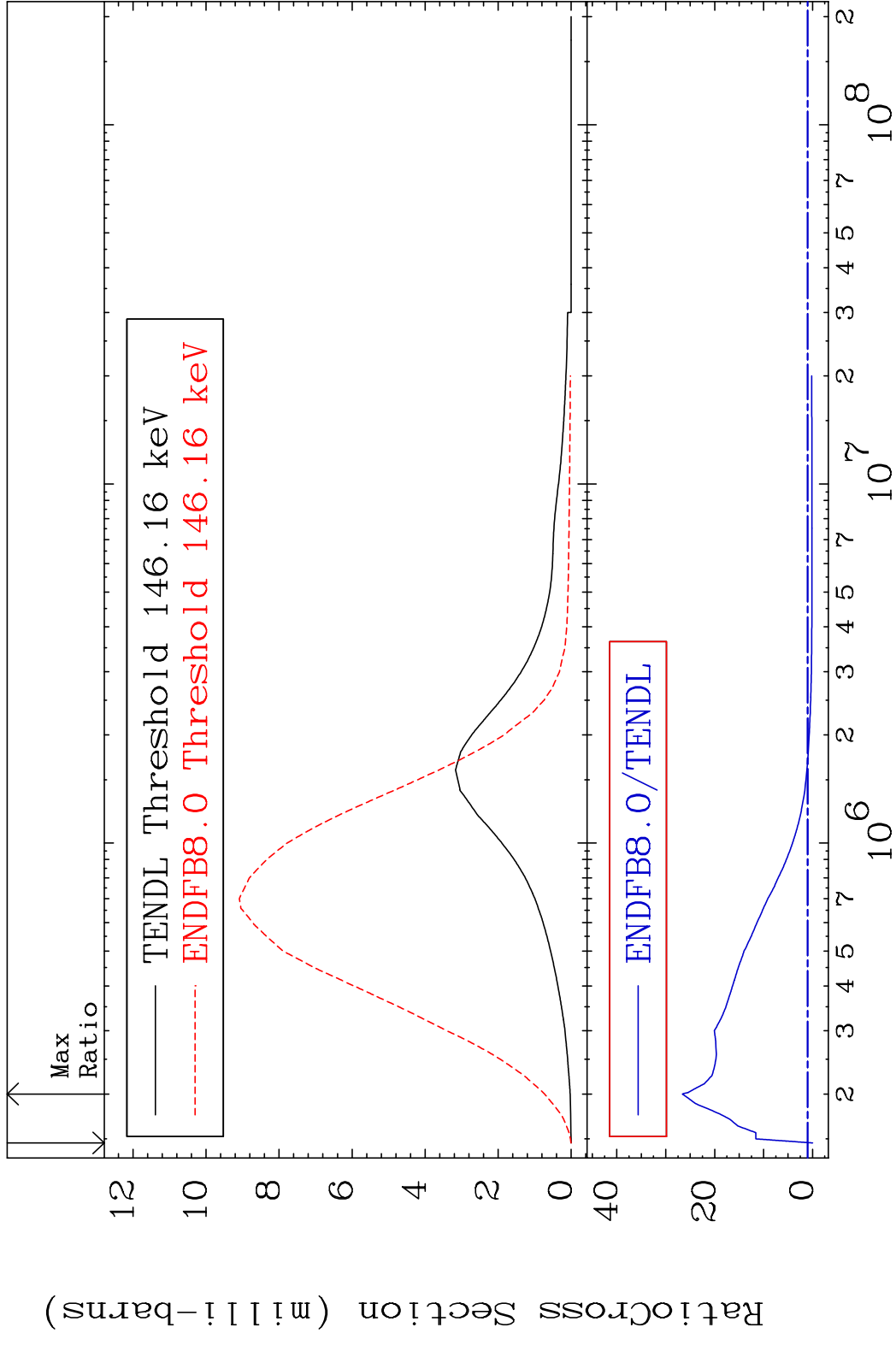


MAT 9431 MT= 52 (n, n') Level 94-Pu-237
 Cross Section 484.7 To 5837. %

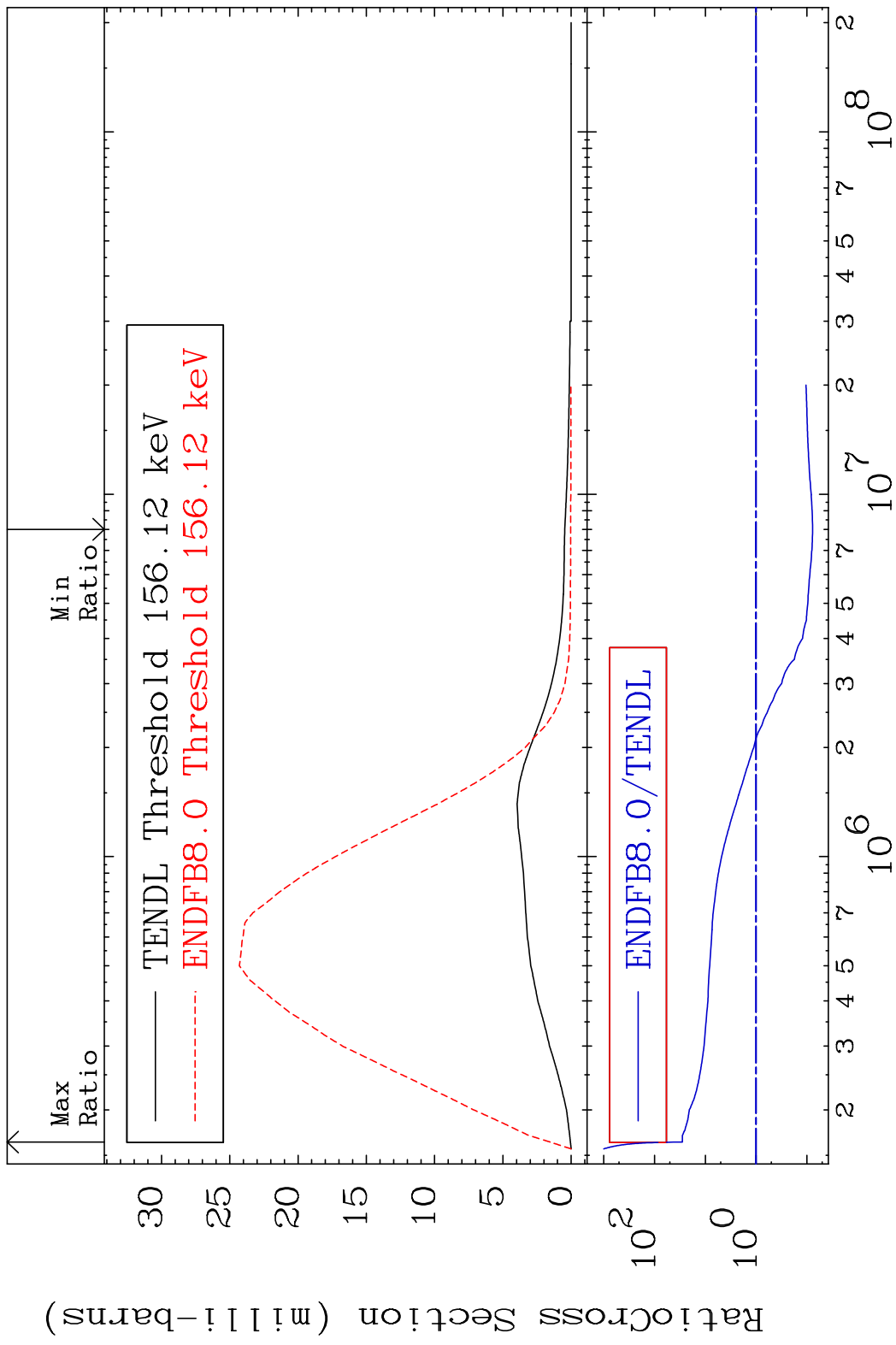


12 Incident Energy (eV) 94-Pu-237

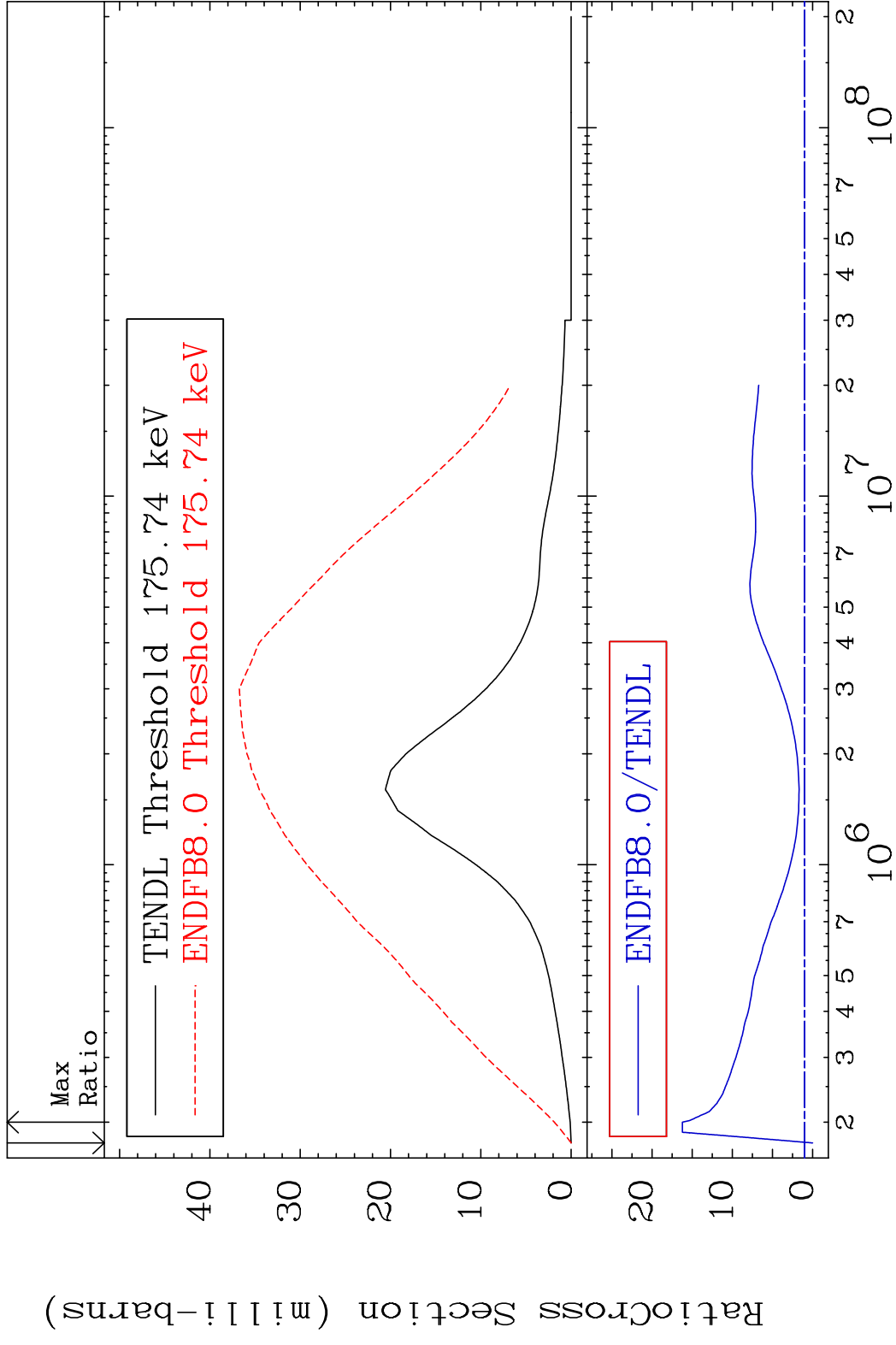
MAT 9431 MT= 53 (n, n') Level 94-Pu-237
 Cross Section -100.0 To 2561. %



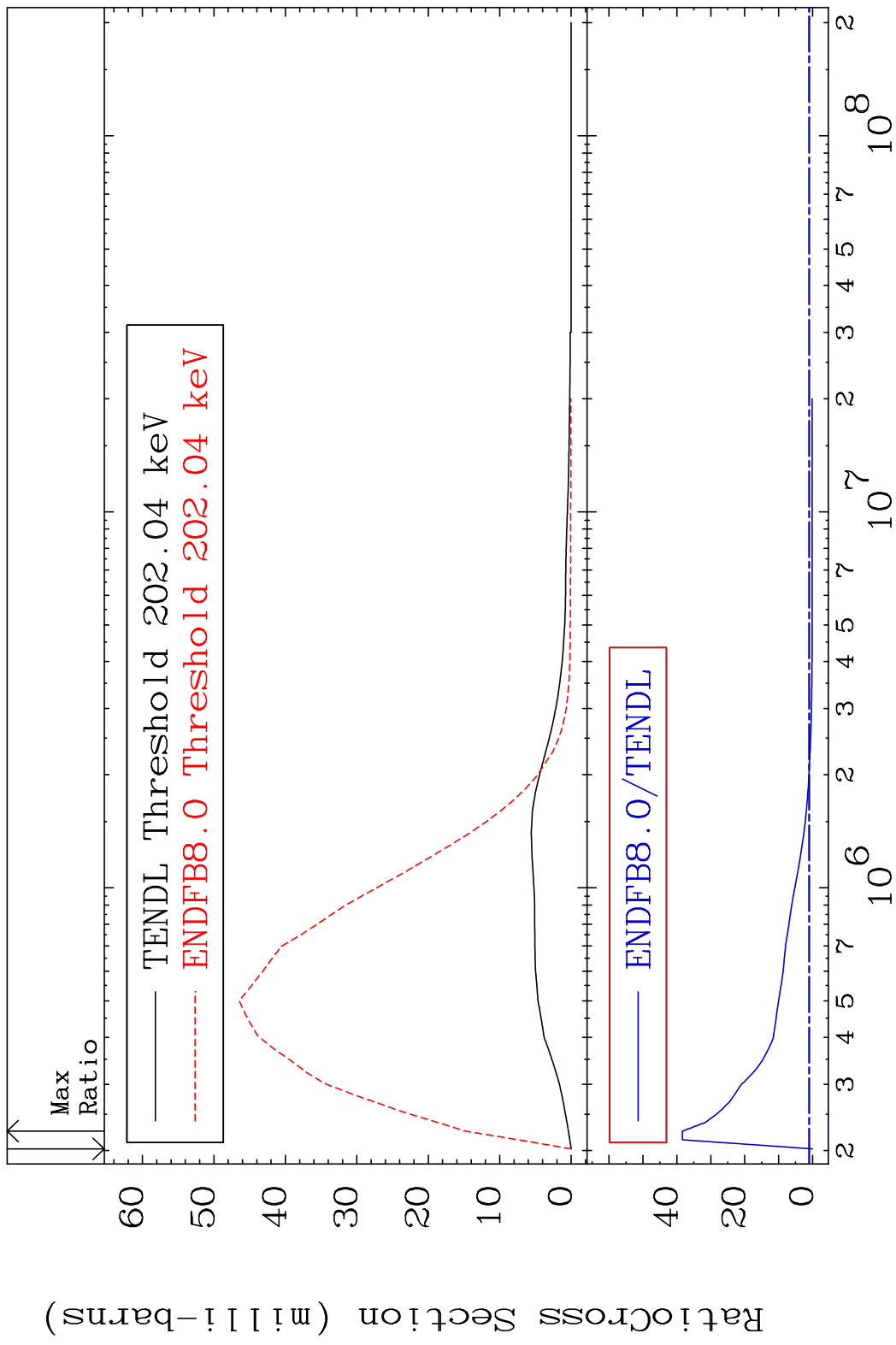
MAT 9431 MT= 54 (n, n') Level 94-Pu-237
 Cross Section -92.26 To 2731. %



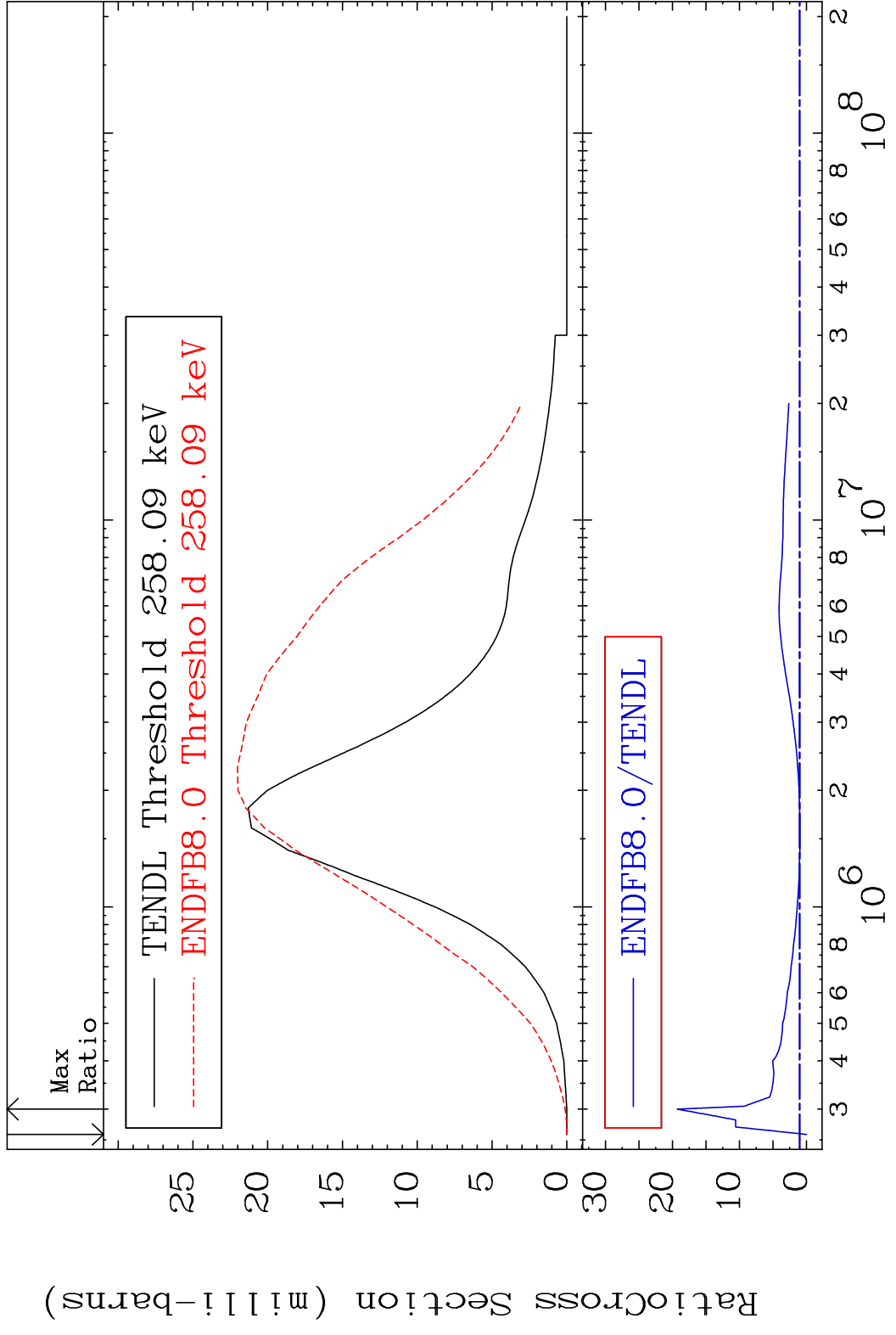
MAT 9431 MT= 55 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 1522. %



MAT 9431 MT= 56 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 3738. %



MAT 9431 MT= 58 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 1829. %

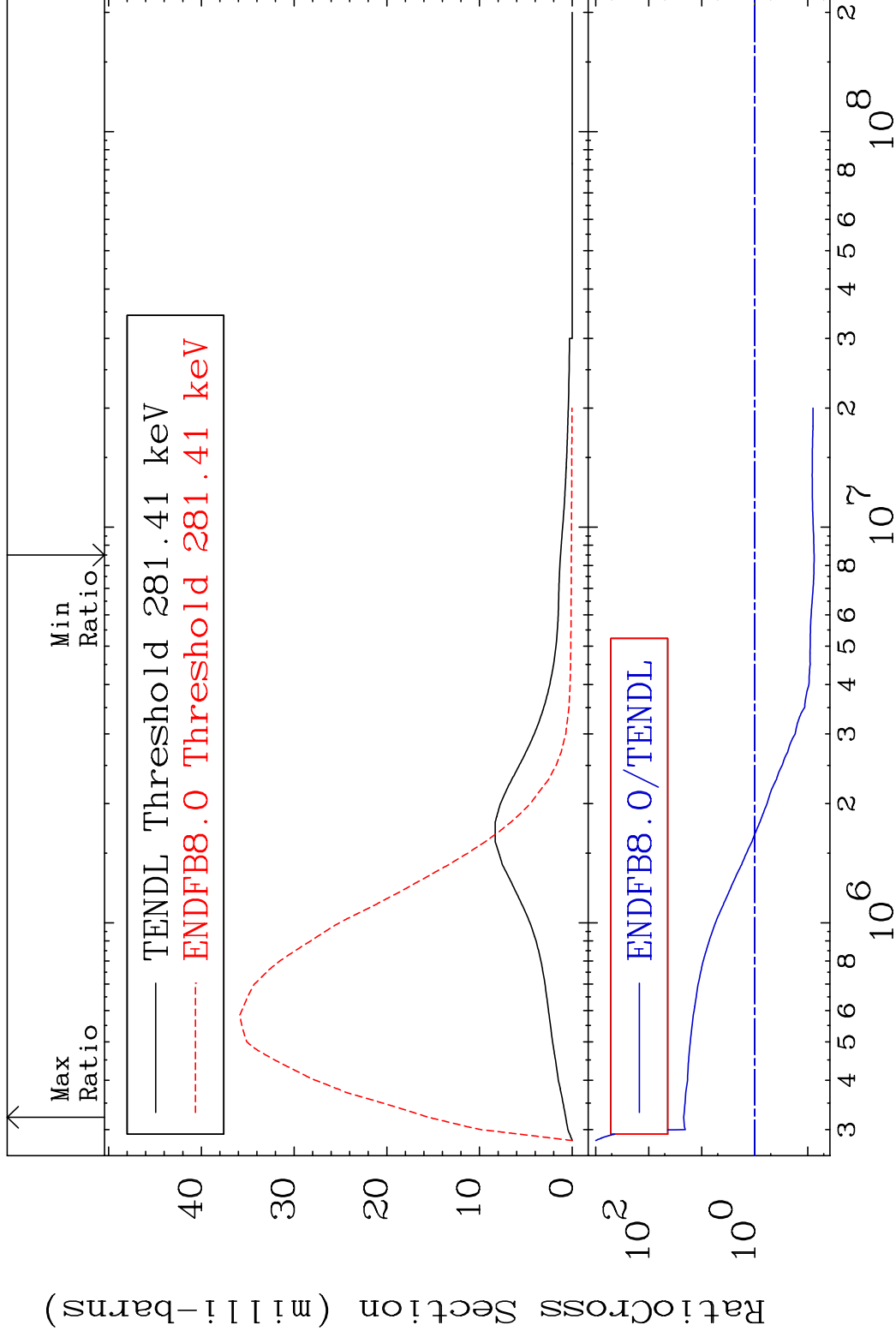


MAT 9431

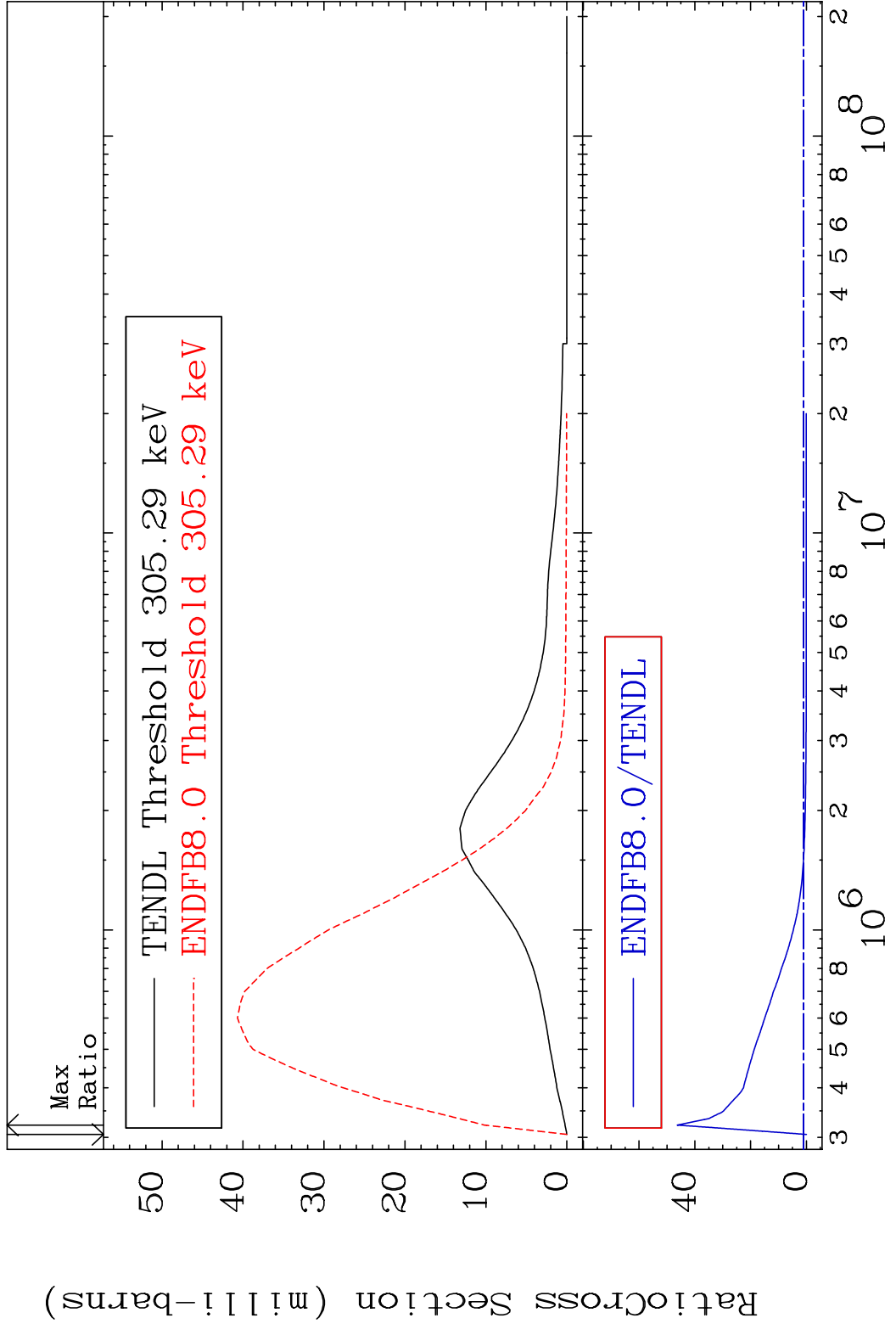
MT= 59 (n, n') Level

94-Pu-237

Cross Section -92.43 To 2090. %

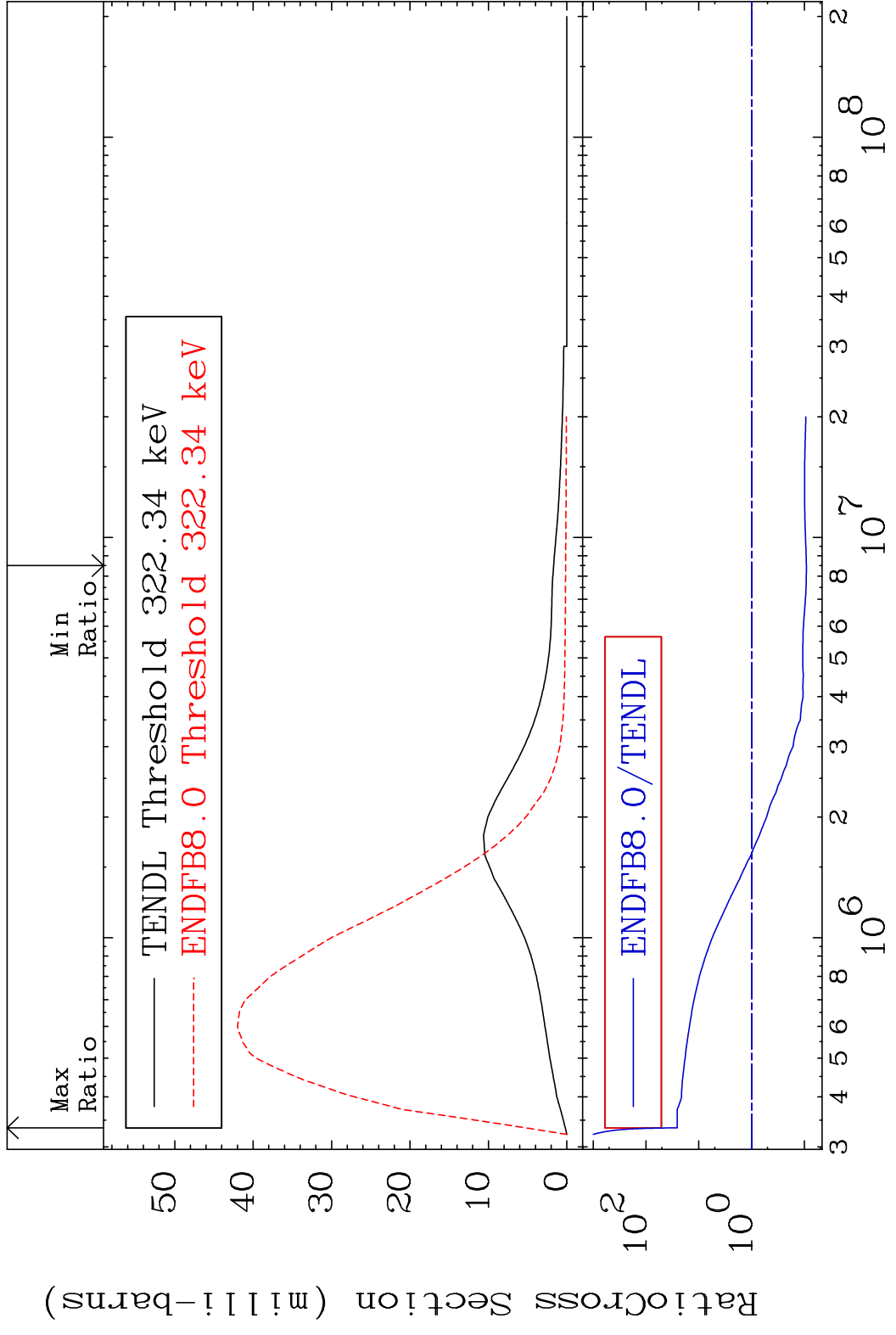


MAT 9431 MT= 60 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 4534. %

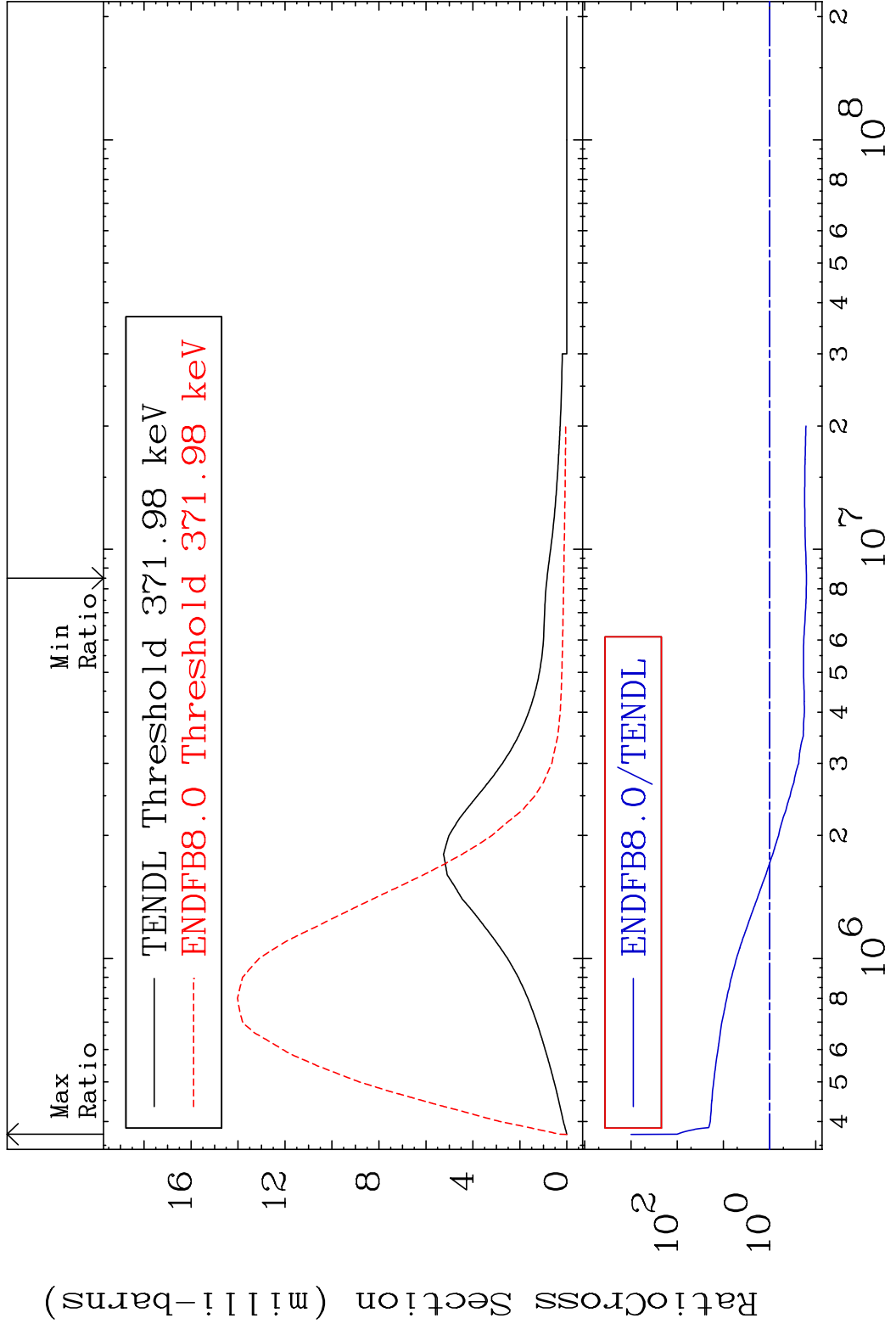


20 Incident Energy (eV) 94-Pu-237

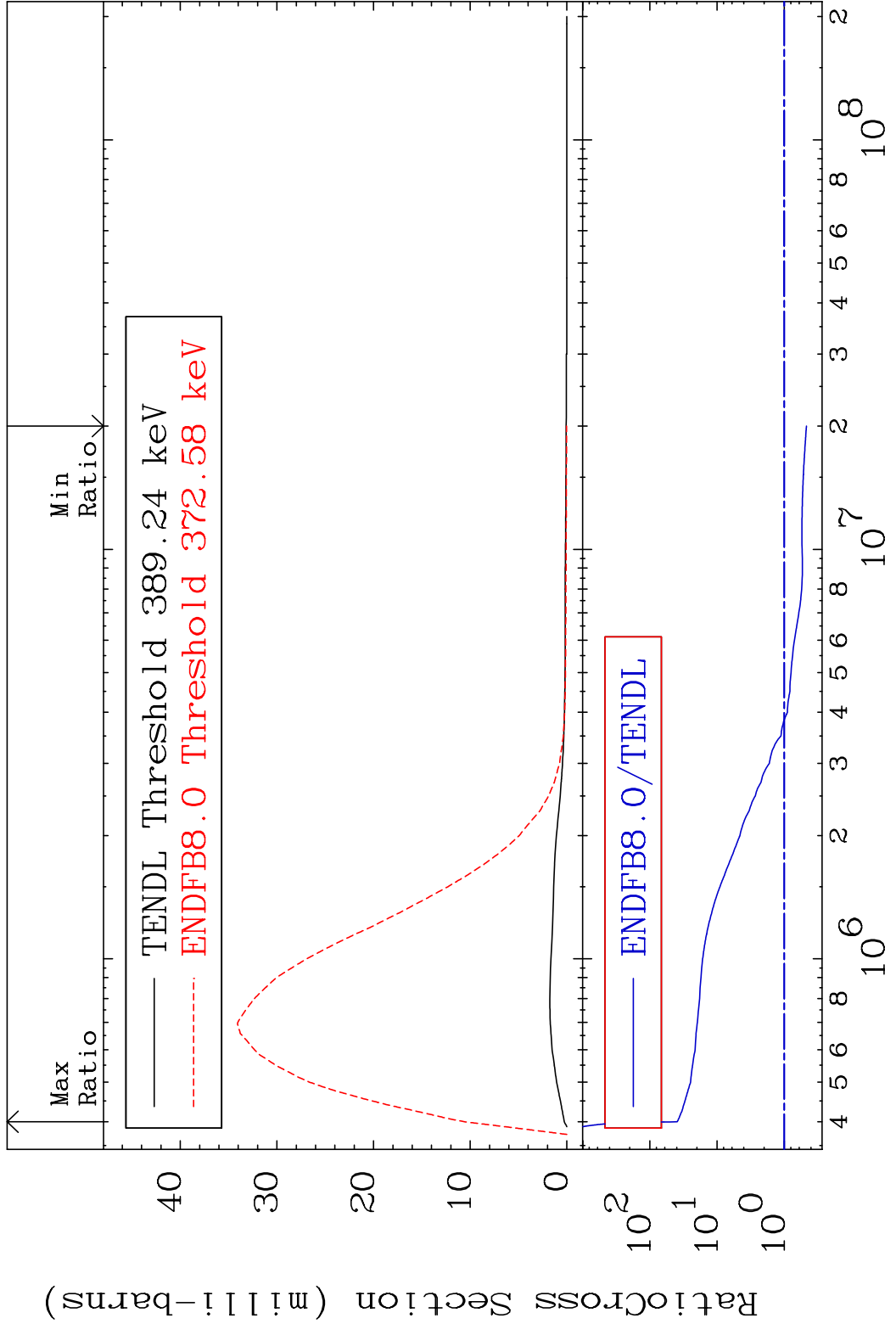
MAT 9431 MT= 61 (n,n') Level 94-Pu-237
 Cross Section -90.83 To 2467. %



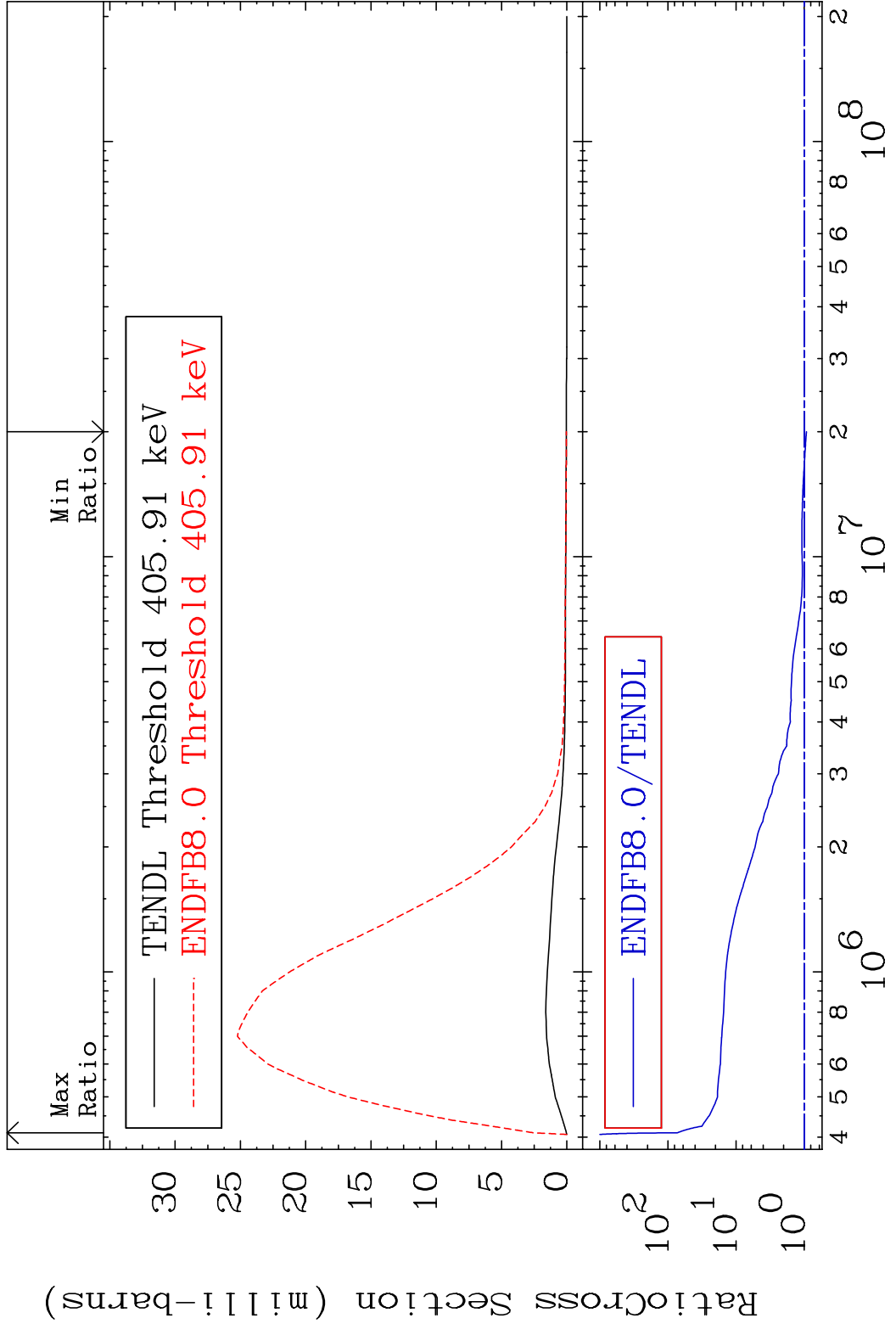
MAT 9431 MT= 62 (n,n') Level 94-Pu-237
 Cross Section -84.11 To 9875. %



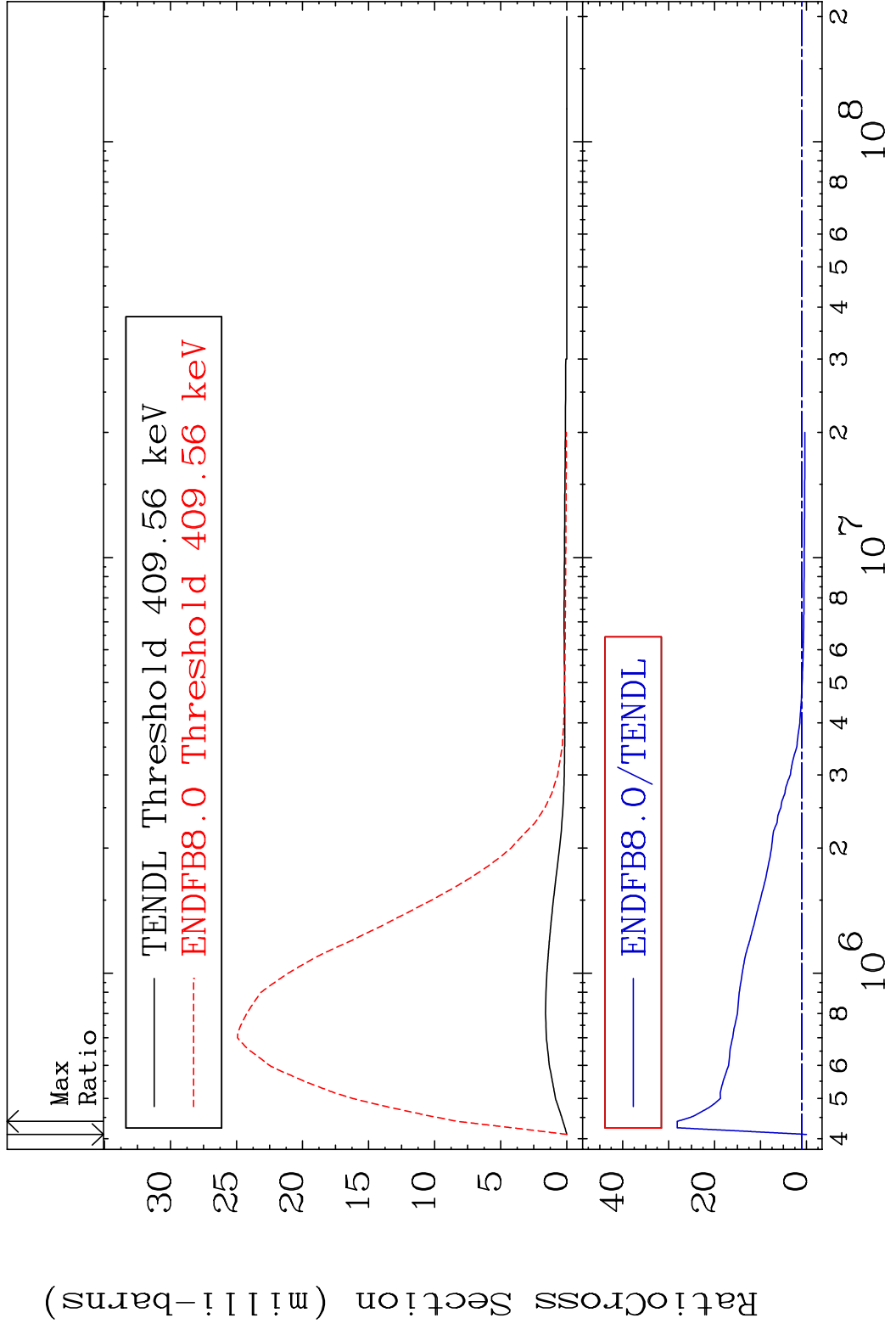
MAT 9431 MT= 63 (n, n') Level 94-Pu-237
 Cross Section -53.13 To 3830. %



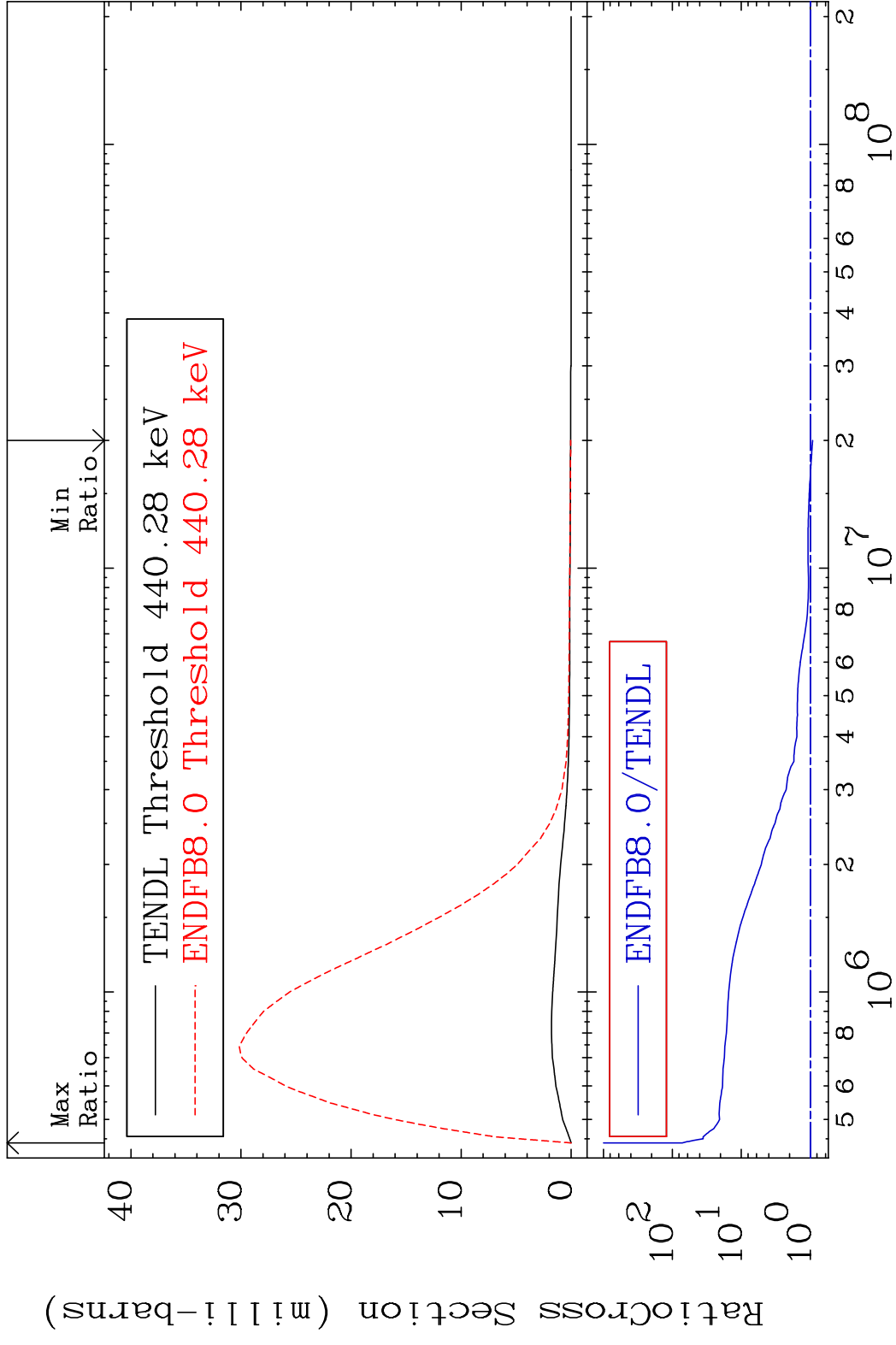
MAT 9431 MT= 64 (n,n') Level 94-Pu-237
 Cross Section -7.322 To 7223. %



MAT 9431 MT= 65 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 2713. %



MAT 9431 MT= 66 (n,n') Level 94-Pu-237
 Cross Section -7.496 To 7062. %

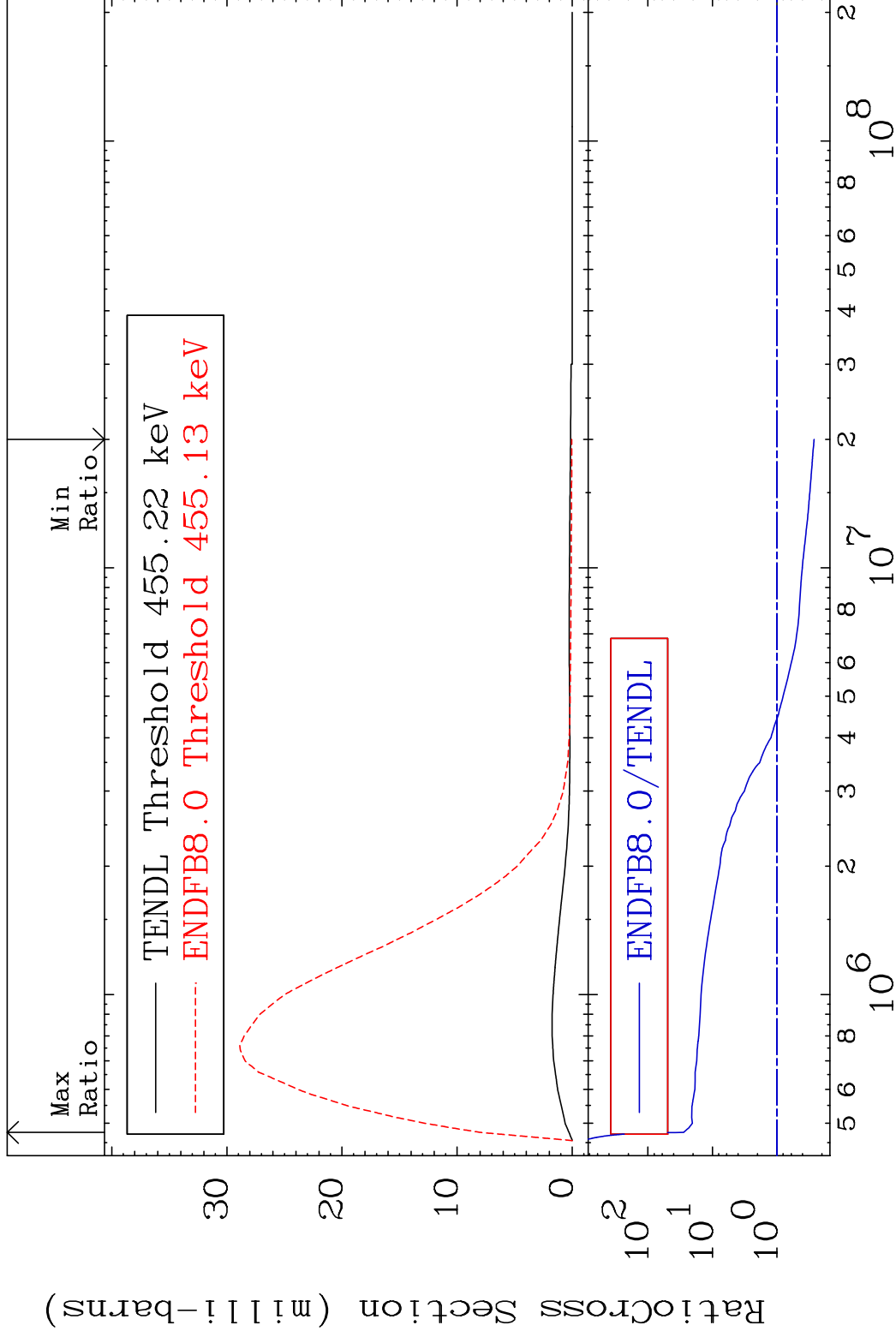


MAT 9431

MT= 67 (n, n') Level

94-Pu-237

Cross Section -73.47 To 2688. %

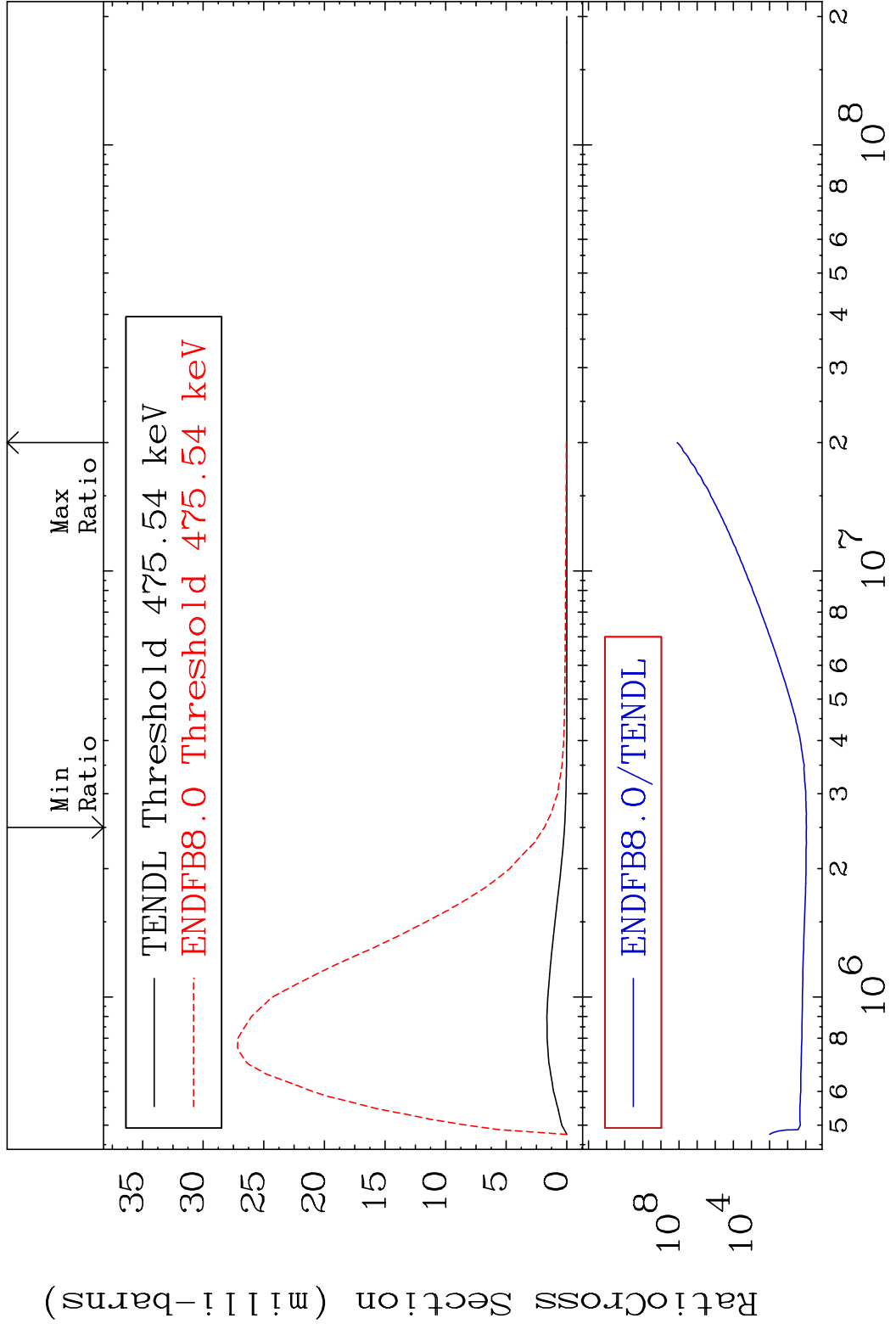


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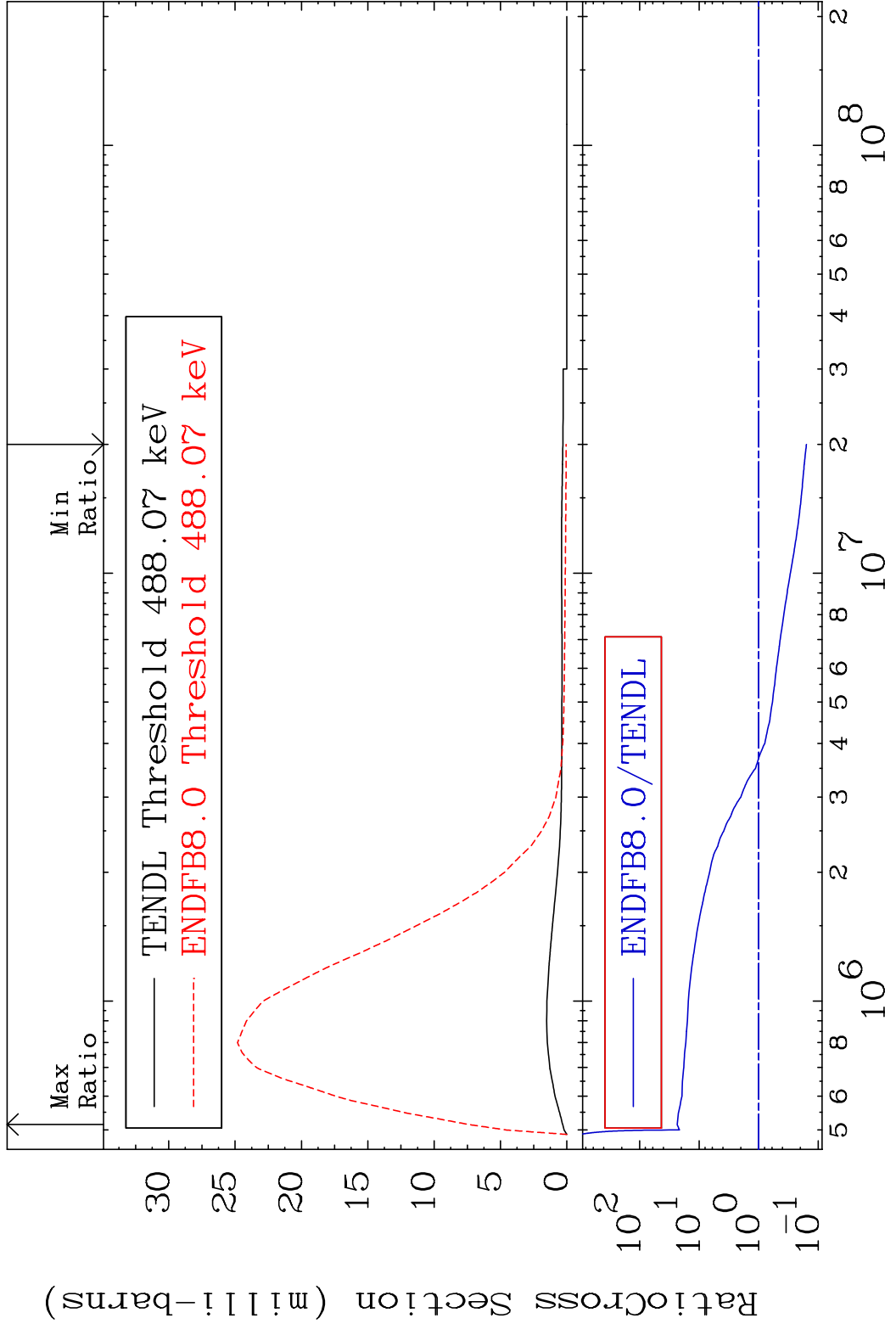
Incident Energy (eV)

94-Pu-237

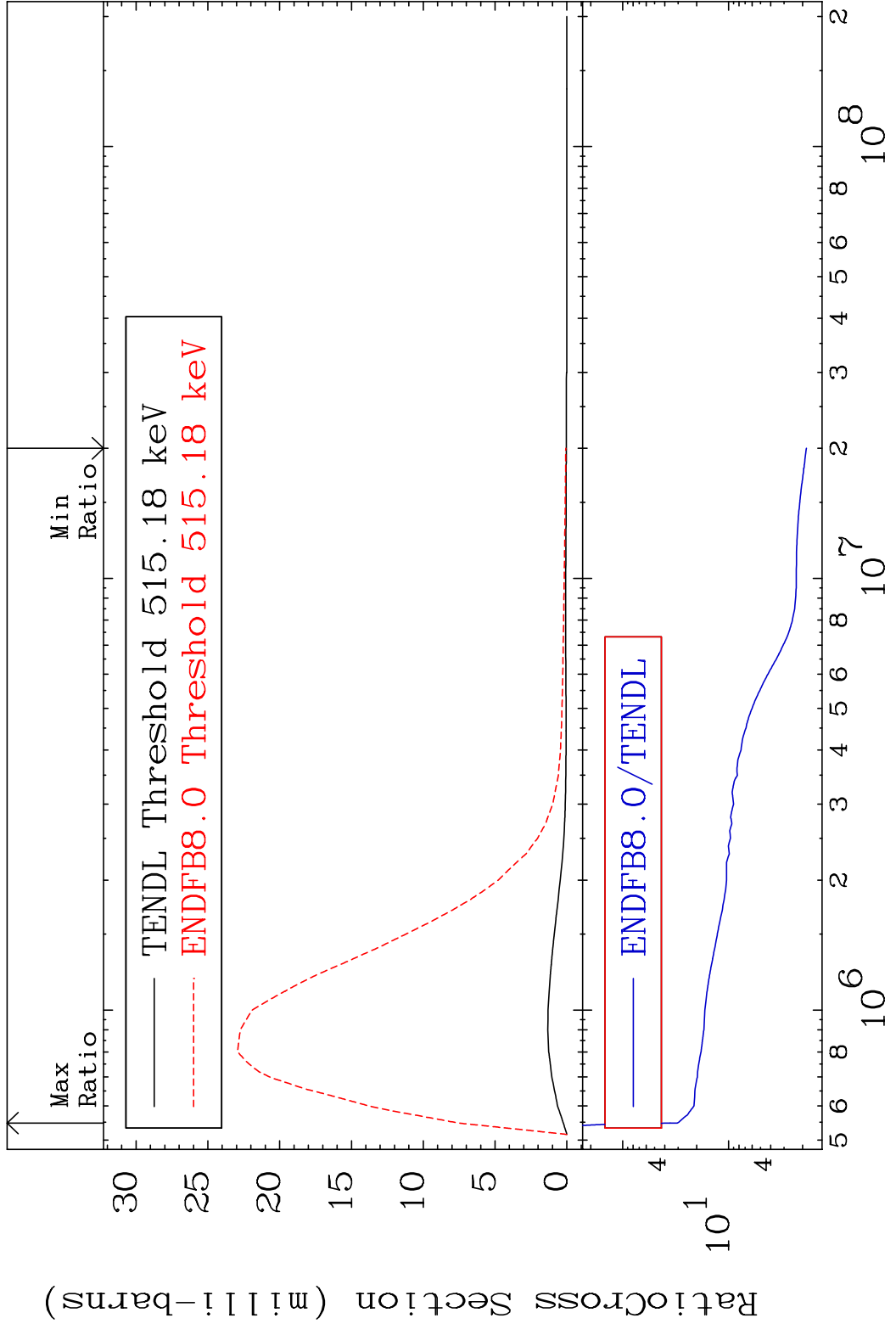
MAT 9431 MT= 68 (n, n') Level 94-Pu-237
 Cross Section 828.0 To 9999. %



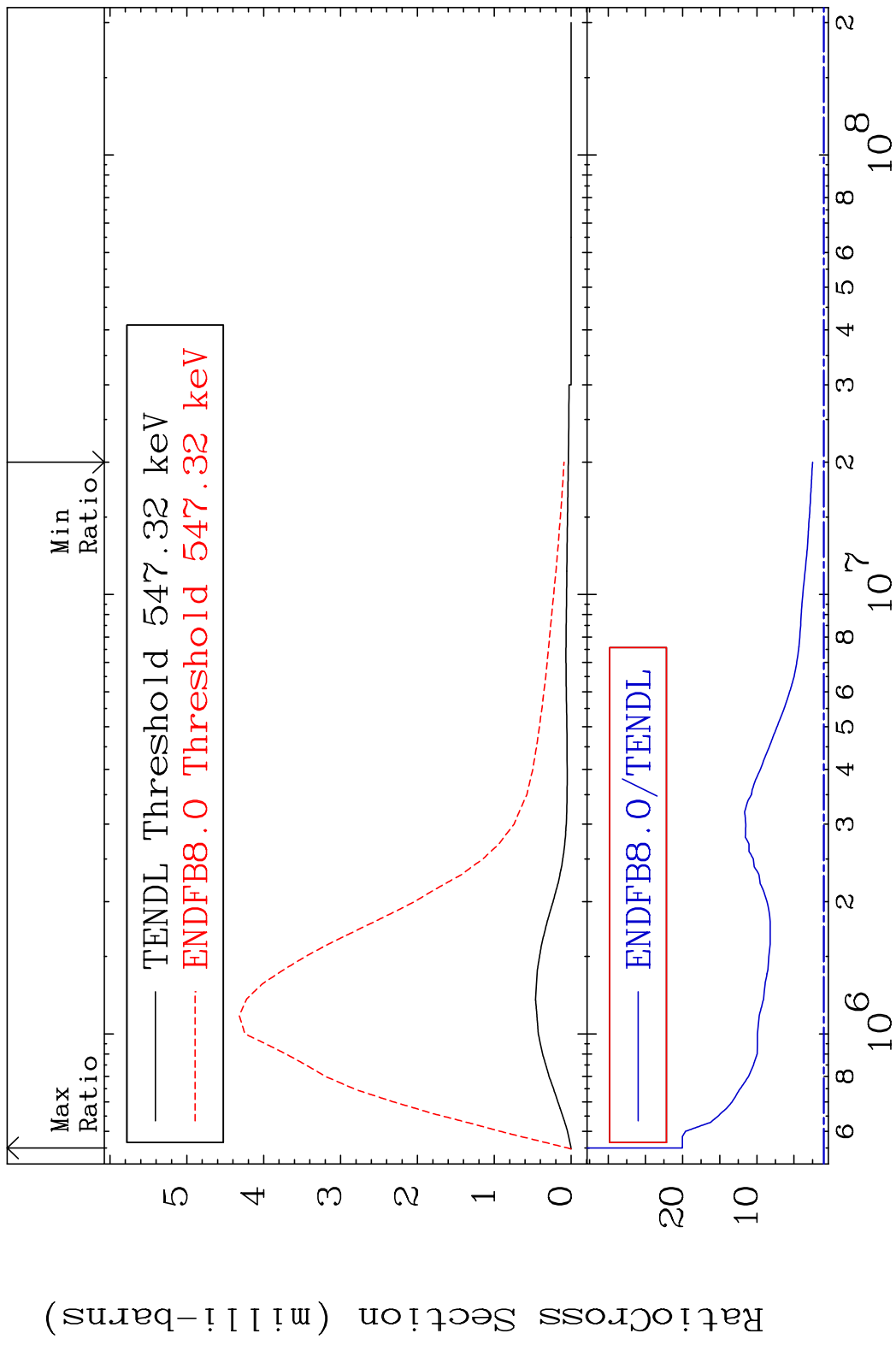
MAT 9431 MT= 69 (n, n') Level 94-Pu-237
 Cross Section -84.16 To 2239. %



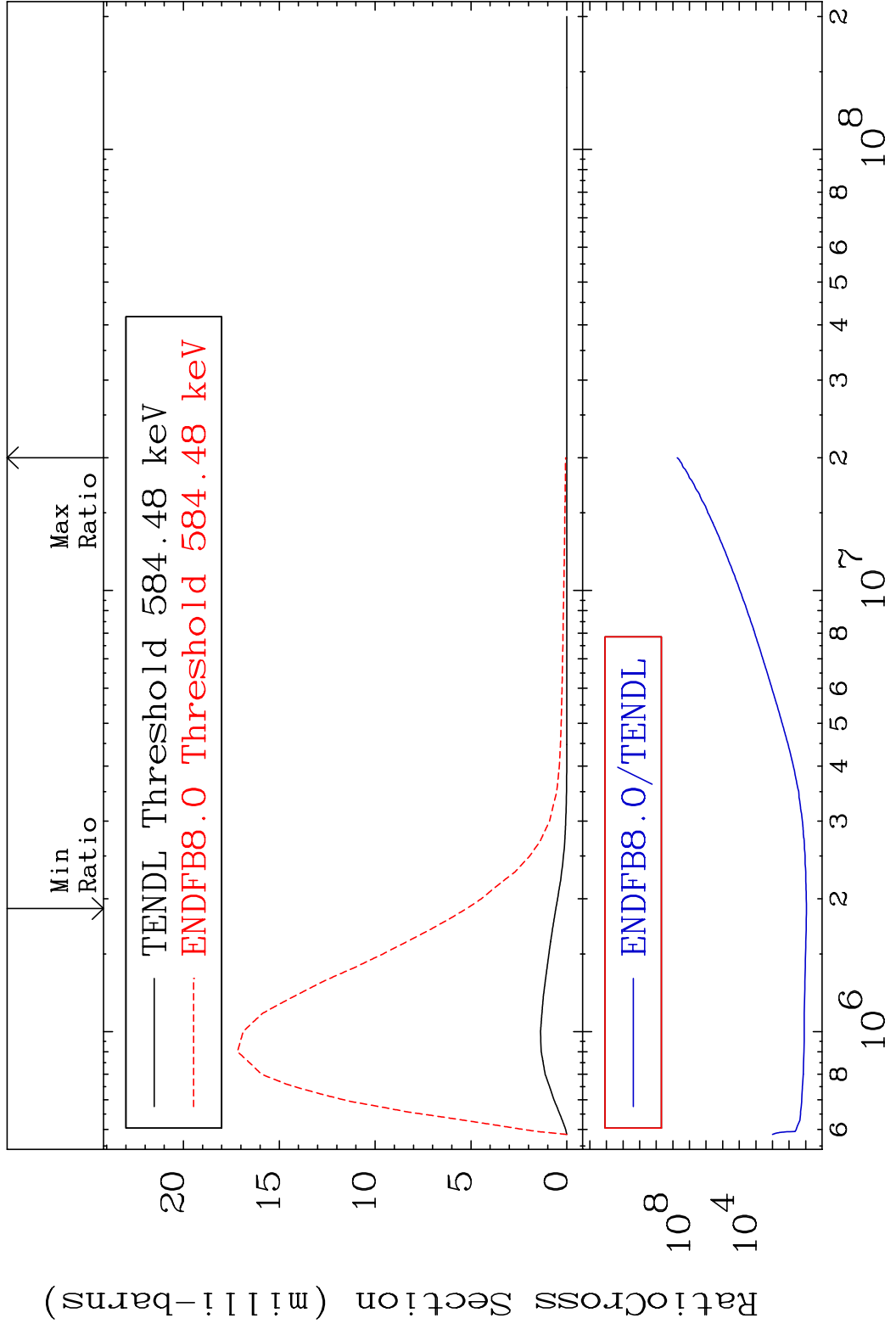
MAT 9431 MT= 70 (n, n') Level 94-Pu-237
 Cross Section 84.41 To 2961. %



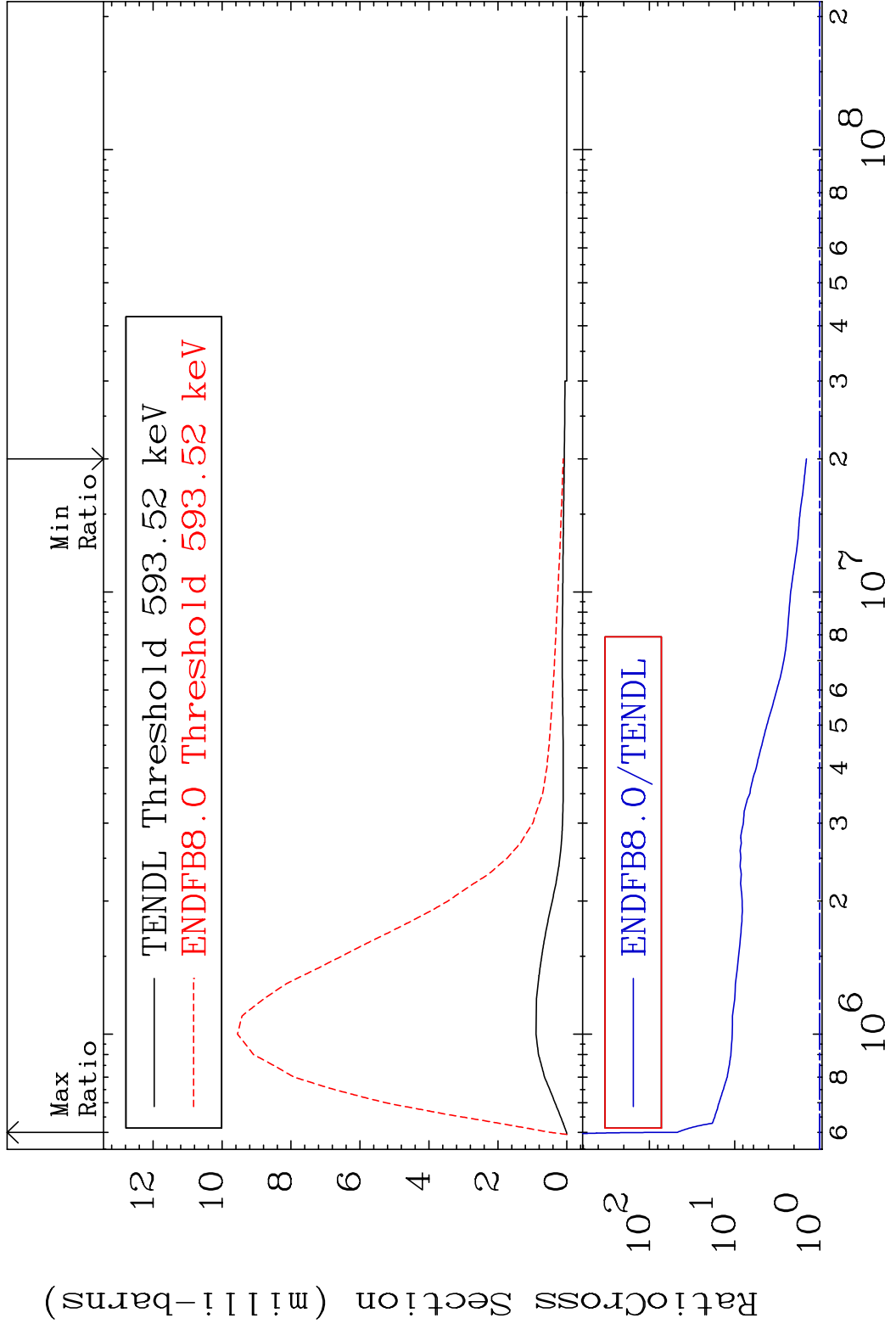
MAT 9431 MT= 71 (n, n') Level 94-Pu-237
 Cross Section 150.5 To 1902. %



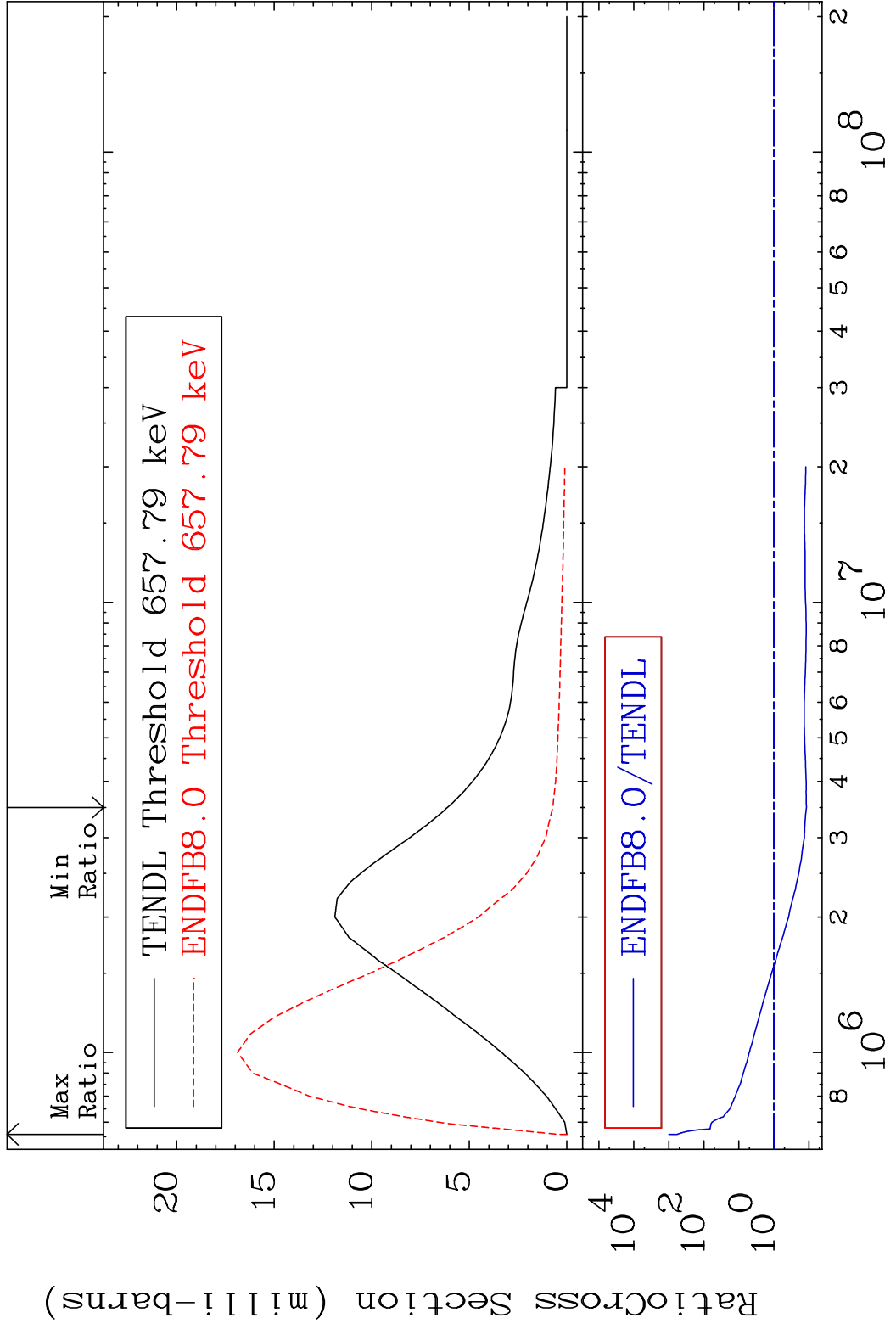
MAT 9431 MT= 72 (n, n') Level 94-Pu-237
 Cross Section 811.2 To 9999. %



MAT 9431 MT= 73 (n, n') Level 94-Pu-237
 Cross Section 43.42 To 4625. %



MAT 9431 MT= 74 (n,n') Level 94-Pu-237
 Cross Section -88.21 To 9999. %

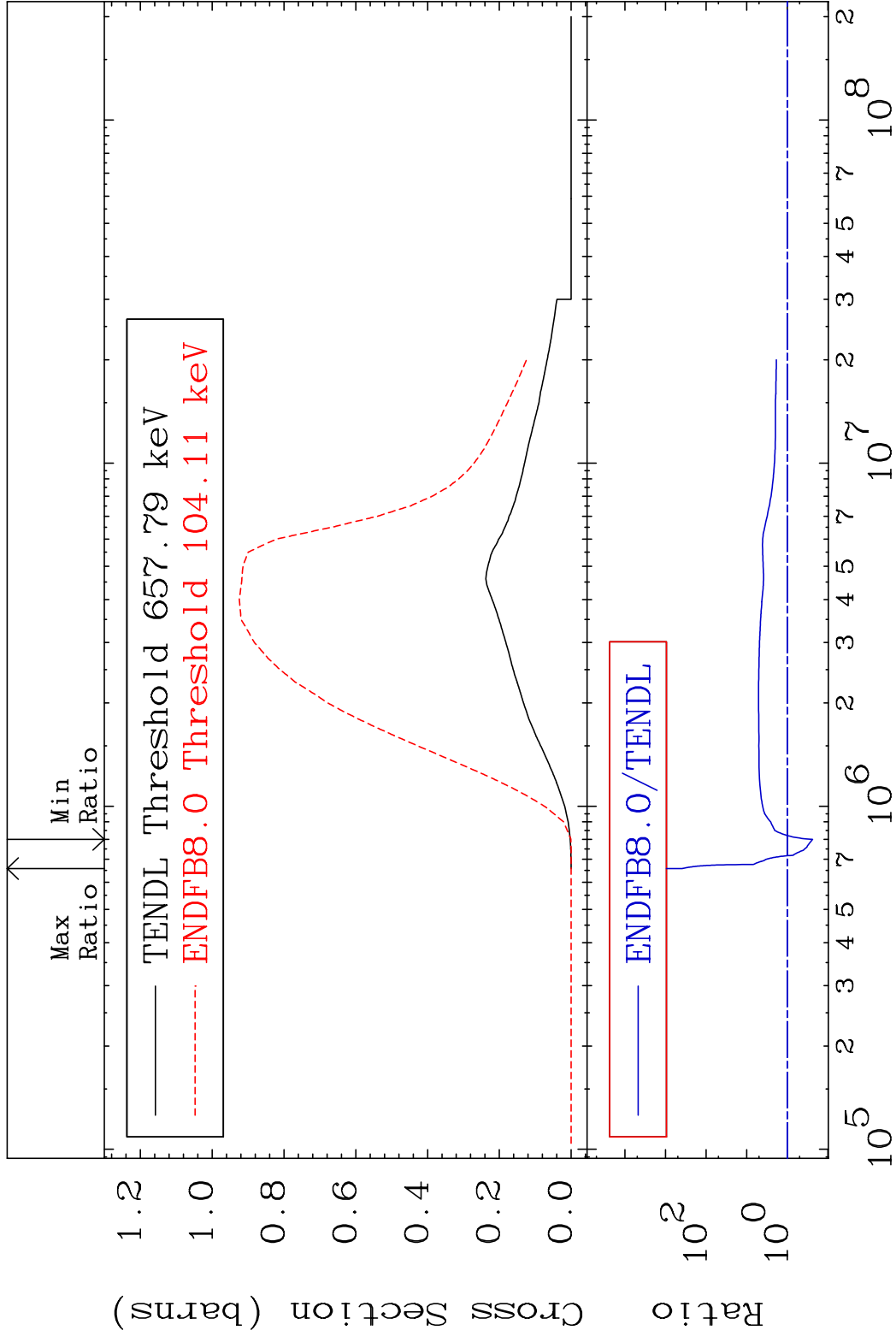


MAT 9431

(n,n') Continuum

94-Pu-237

Cross Section -76.02 To 9999. %



35

Incident Energy (eV)

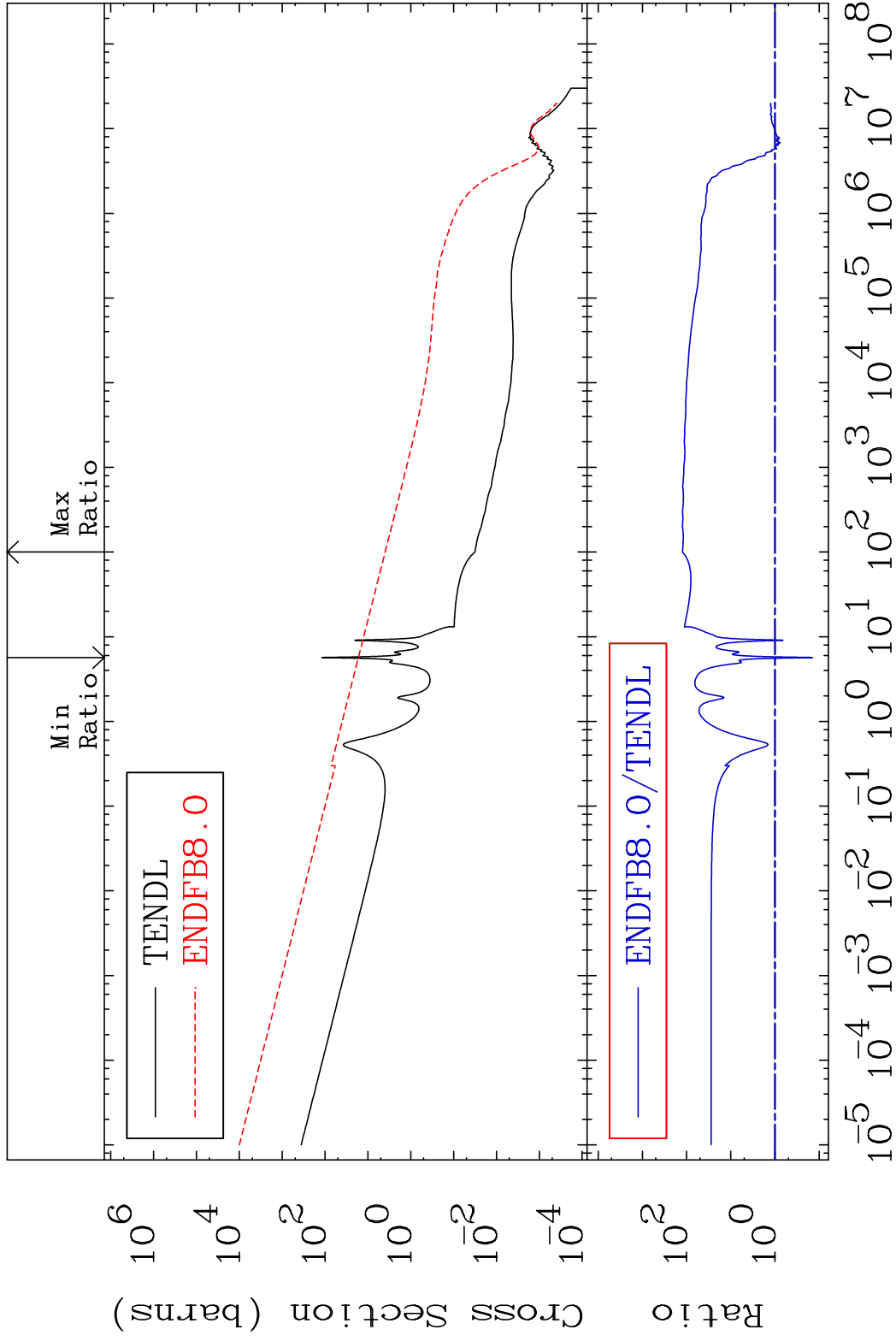
94-Pu-237

MAT 9431

(n, γ)

94-Pu-237

Cross Section -85.83 To 9999. %



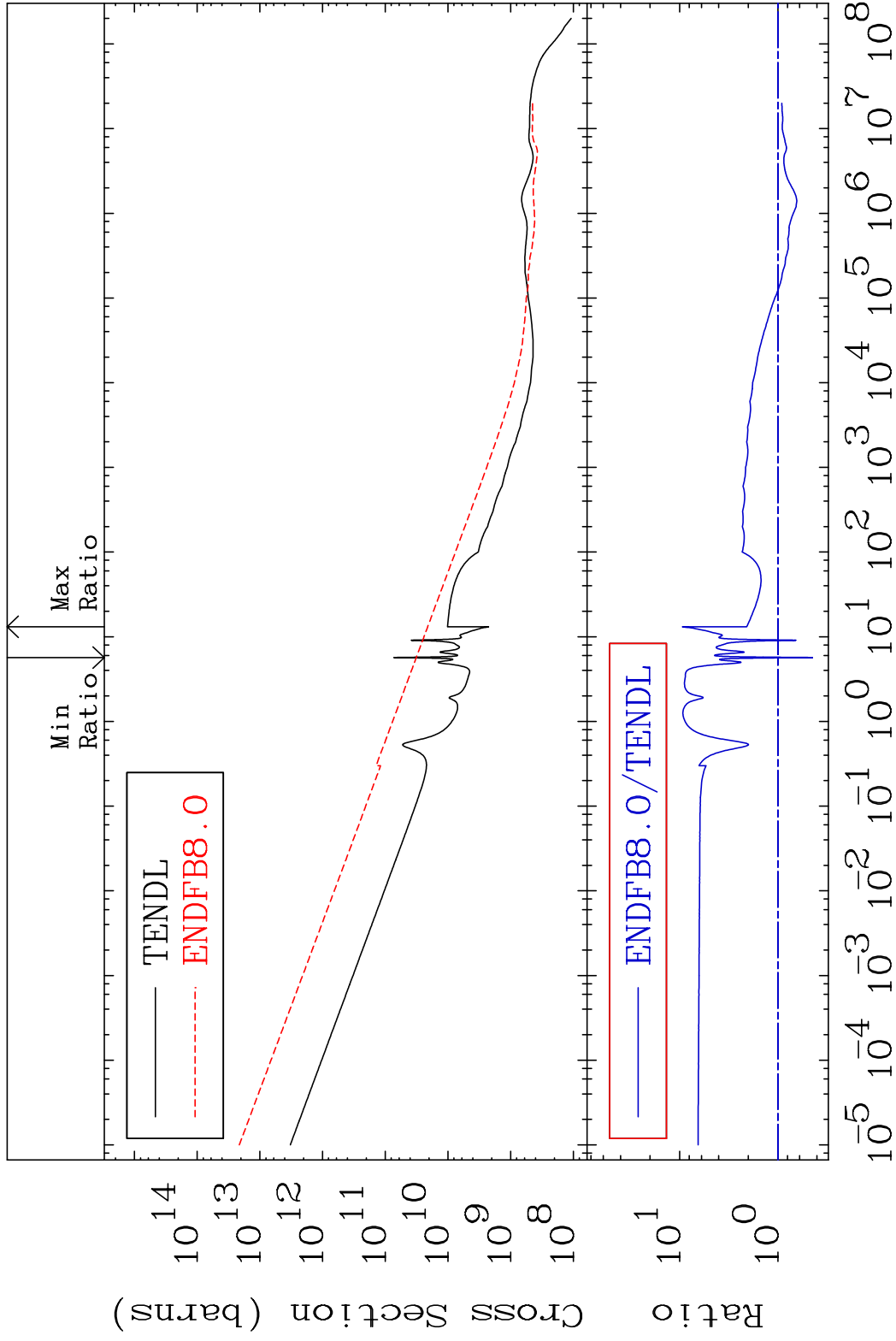
36

Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma total (eV-barns) 94-Pu-237
Cross Section -55.62 To 839.1 %



37

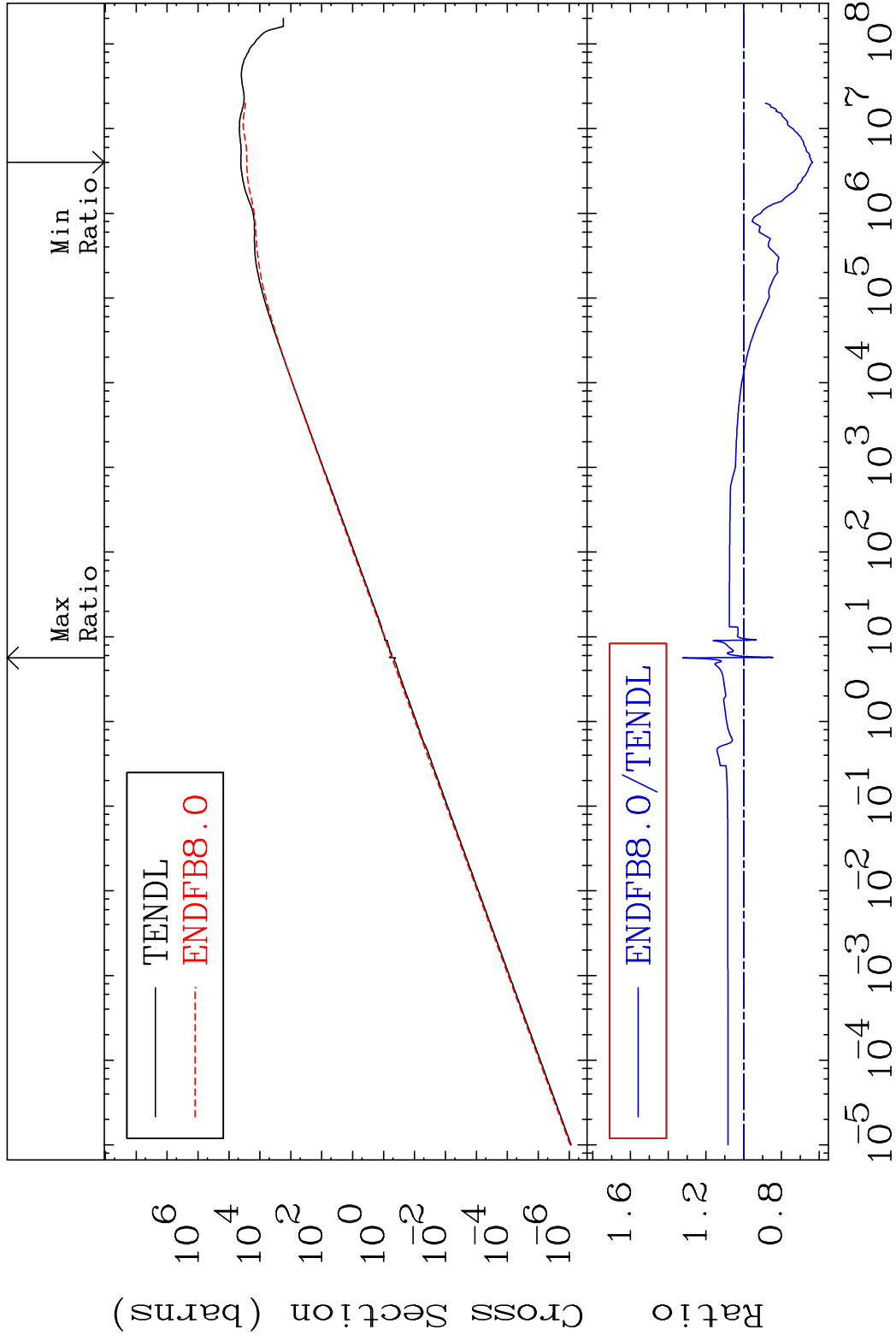
Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma elastic Cross Section -36.51 To 32.51 %

94-Pu-237

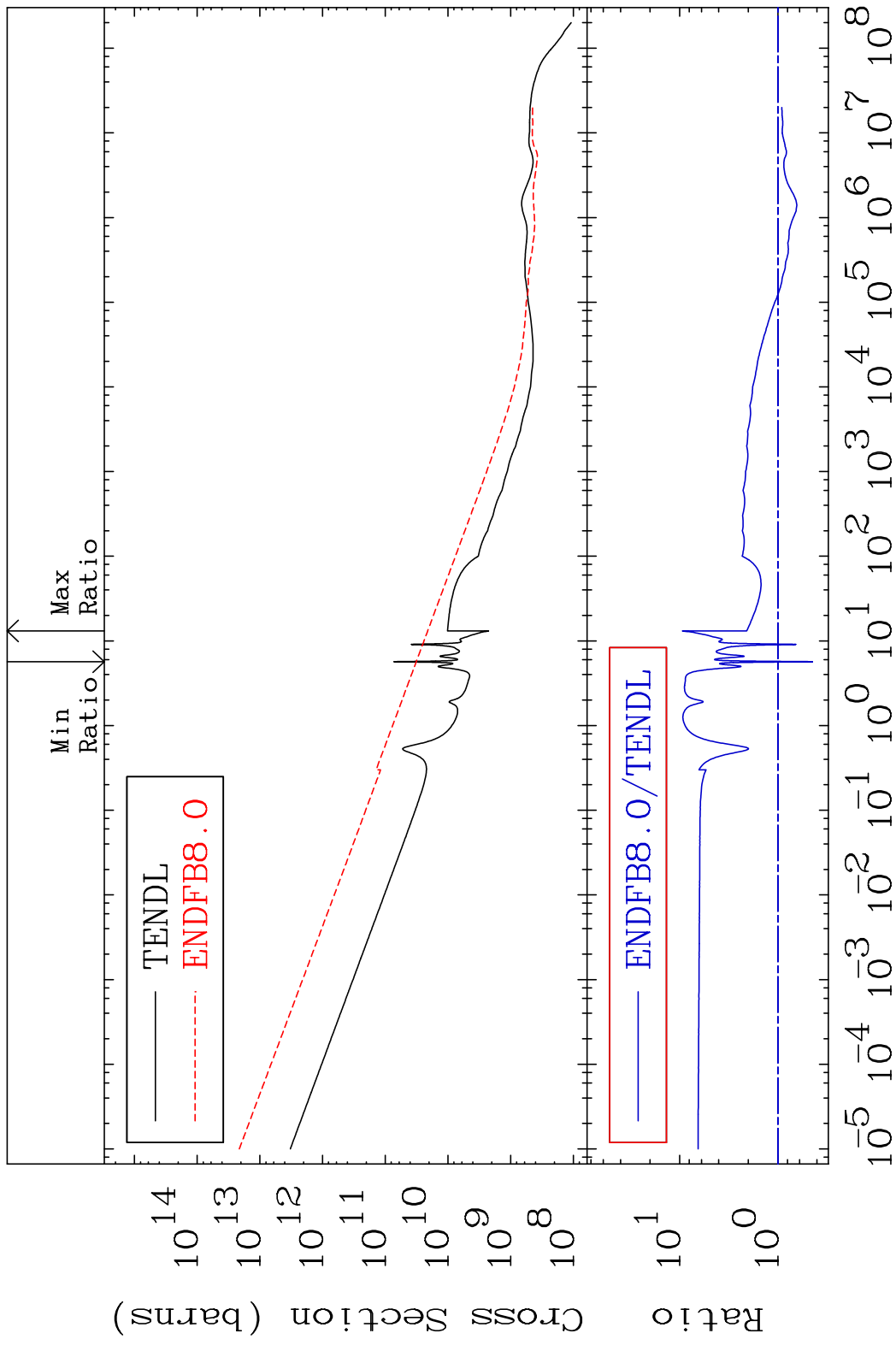


38

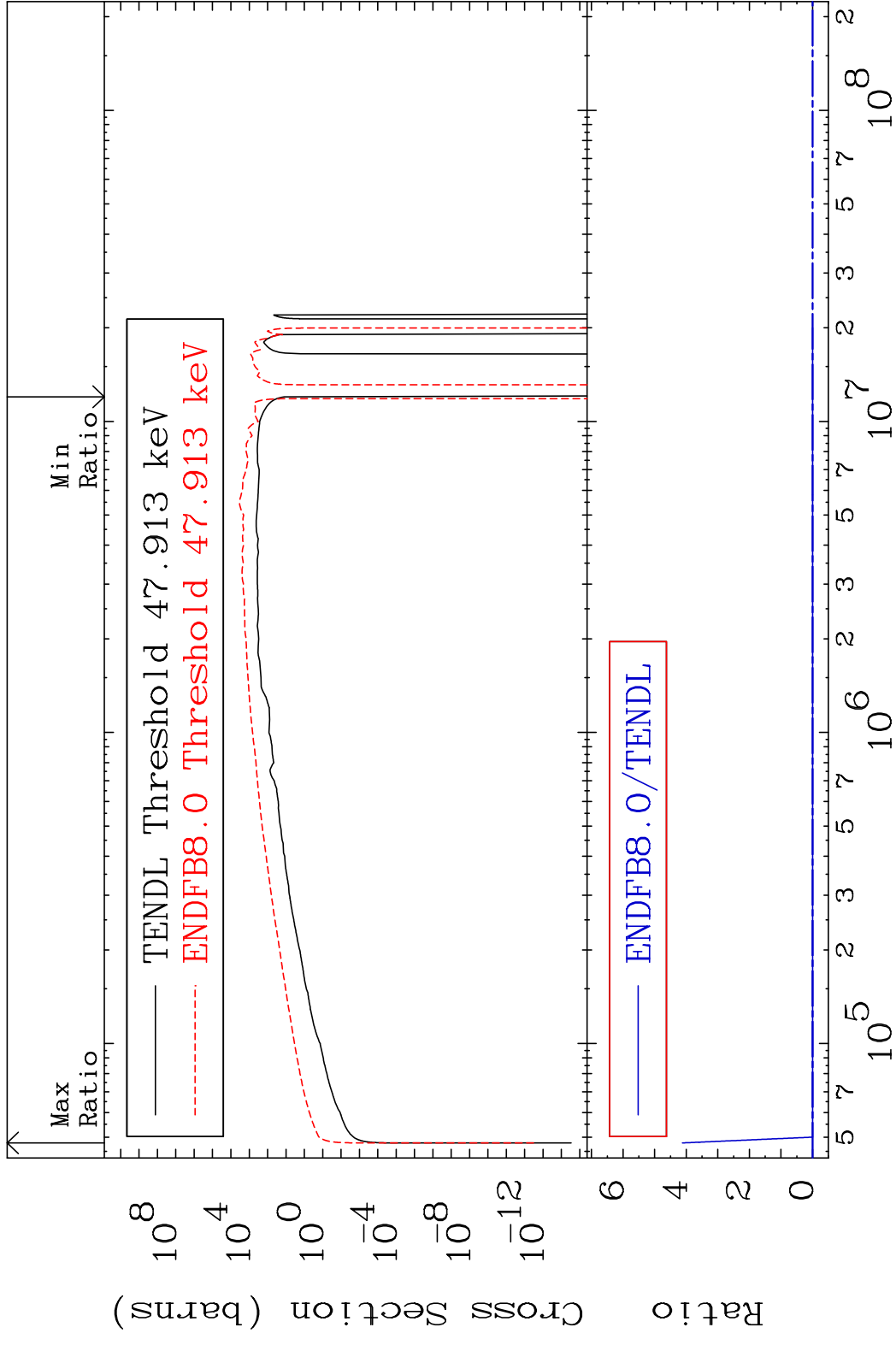
Incident Energy (eV)

94-Pu-237

MAT 9431 Kerma non-elastic (all but mt2) 94-Pu-237
 Cross Section -55.62 To 839.1 %

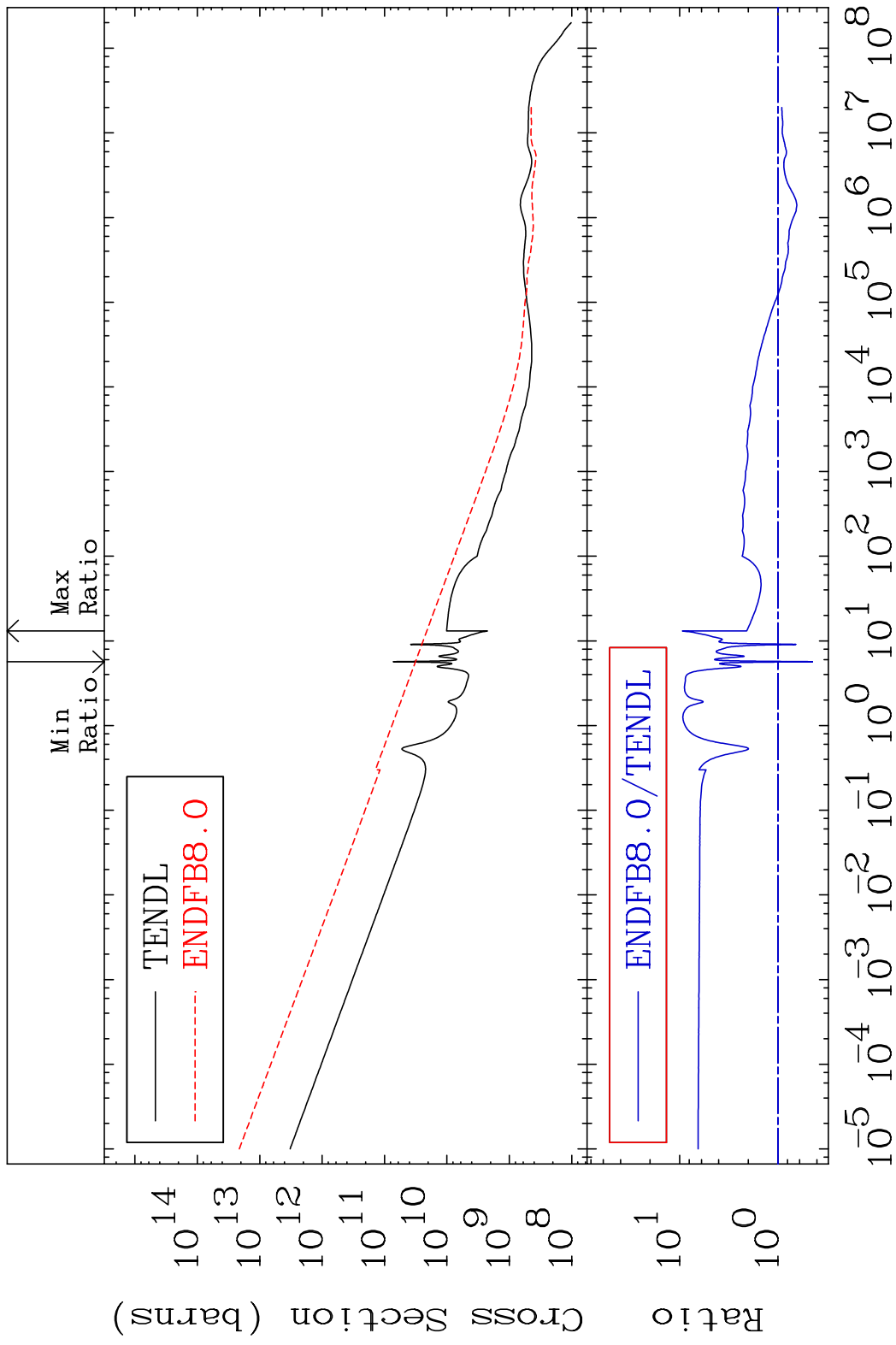


MAT 9431 Kerma inelastic (mt51-91) 94-Pu-237
 Cross Section -2098. To 9999. %



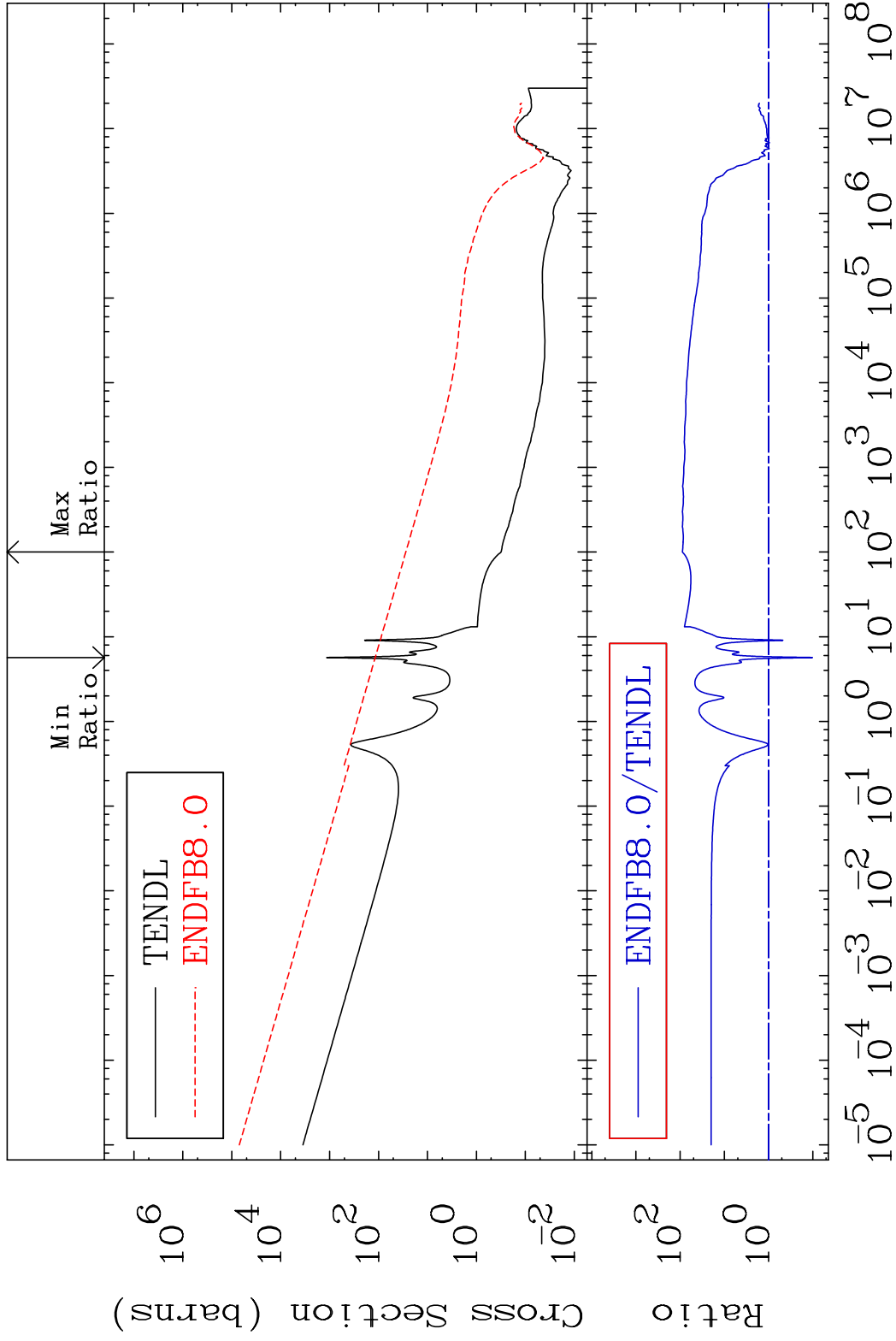
40 Incident Energy (eV) 94-Pu-237

MAT 9431 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-237
 Cross Section -55.62 To 839.1 %



MAT 9431

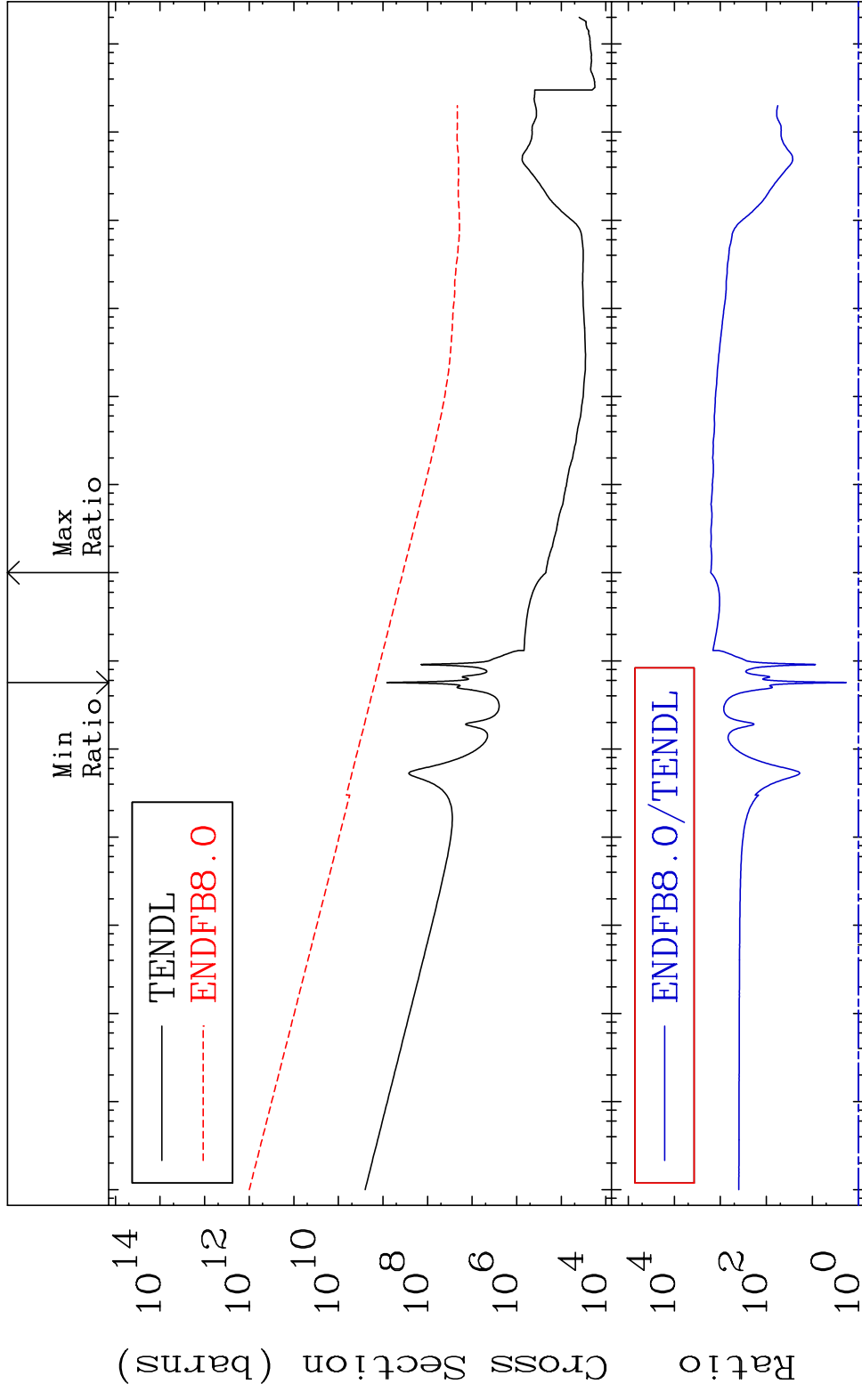
Kerma capture (mt102) 94-Pu-237
Cross Section -89.86 To 8828. %



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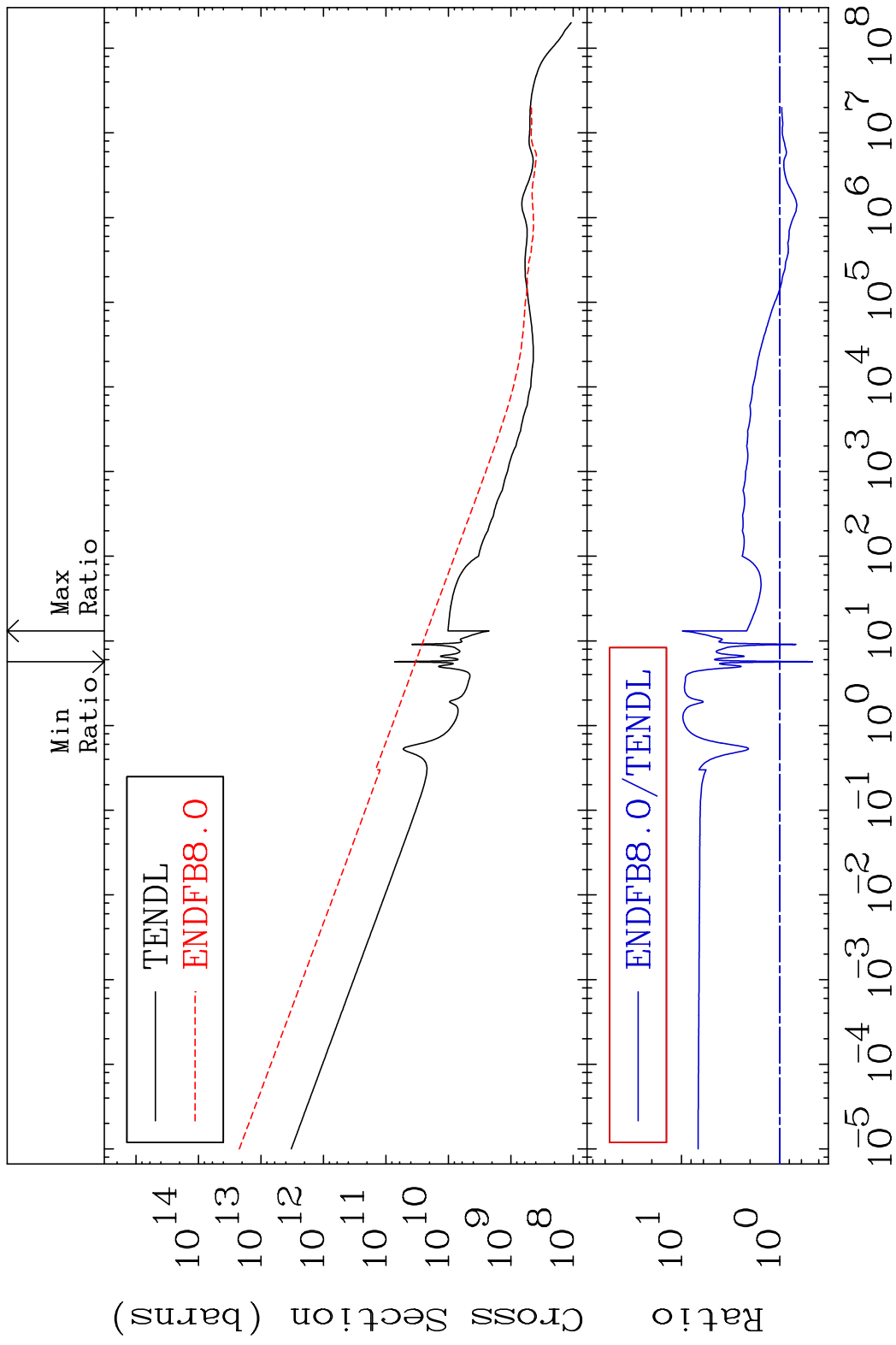
Incident Energy (eV) 94-Pu-237

MAT 9431 Total photon (eV-barns) 94-Pu-237
Cross Section 83.74 To 9999. %



43 Incident Energy (eV) 94-Pu-237

MAT 9431 Total kinematic kerma (high limit) 94-Pu-237
 Cross Section -53.68 To 880.2 %

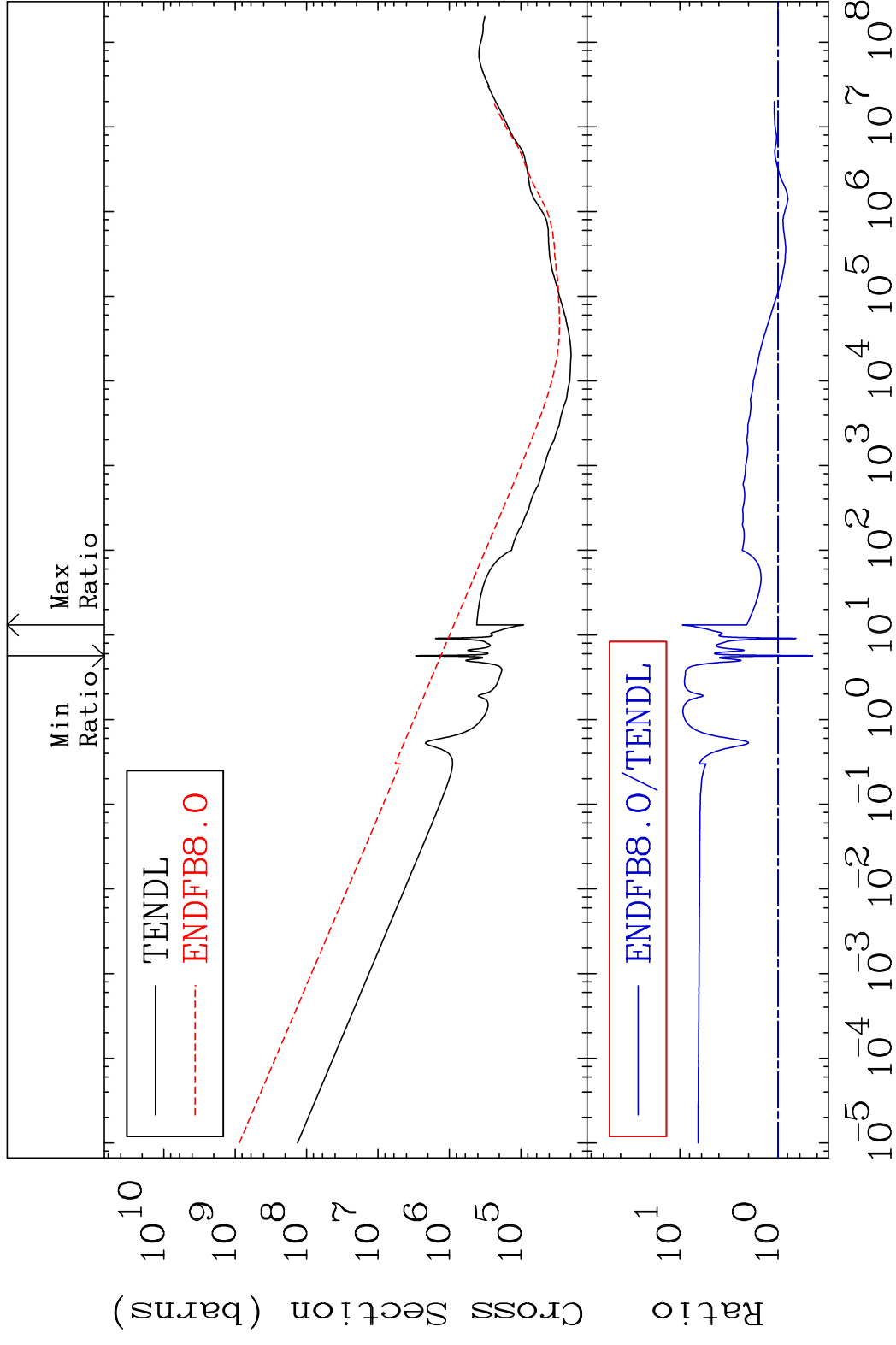


MAT 9431

Dpa total (eV-barns)

94-Pu-237

Cross Section -55.46 To 842.6 %



45

Incident Energy (eV)

94-Pu-237

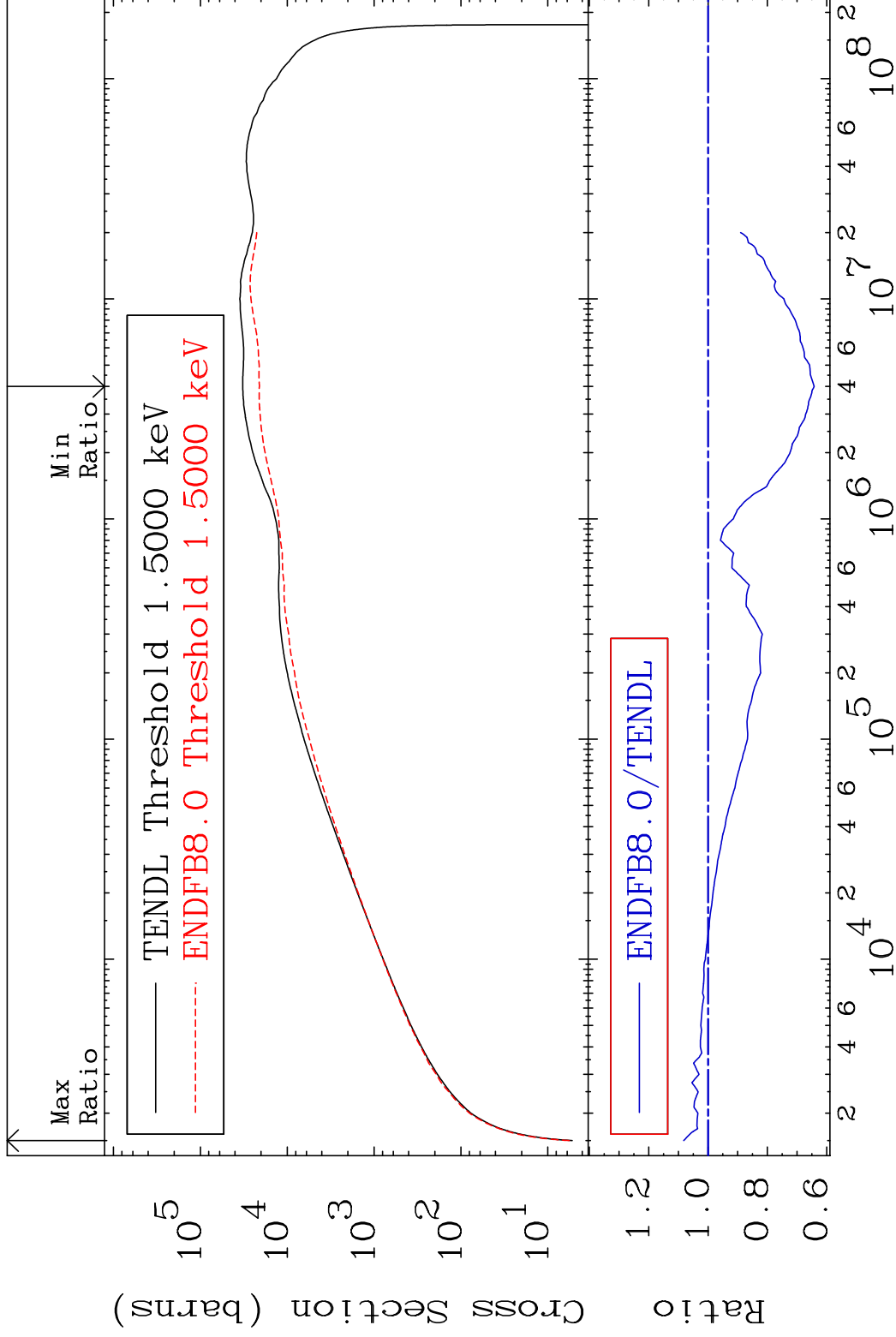
MAT 9431

Dpa elastic (mt2)

94-Pu-237

Cross Section

-35.76 To 8.225 %

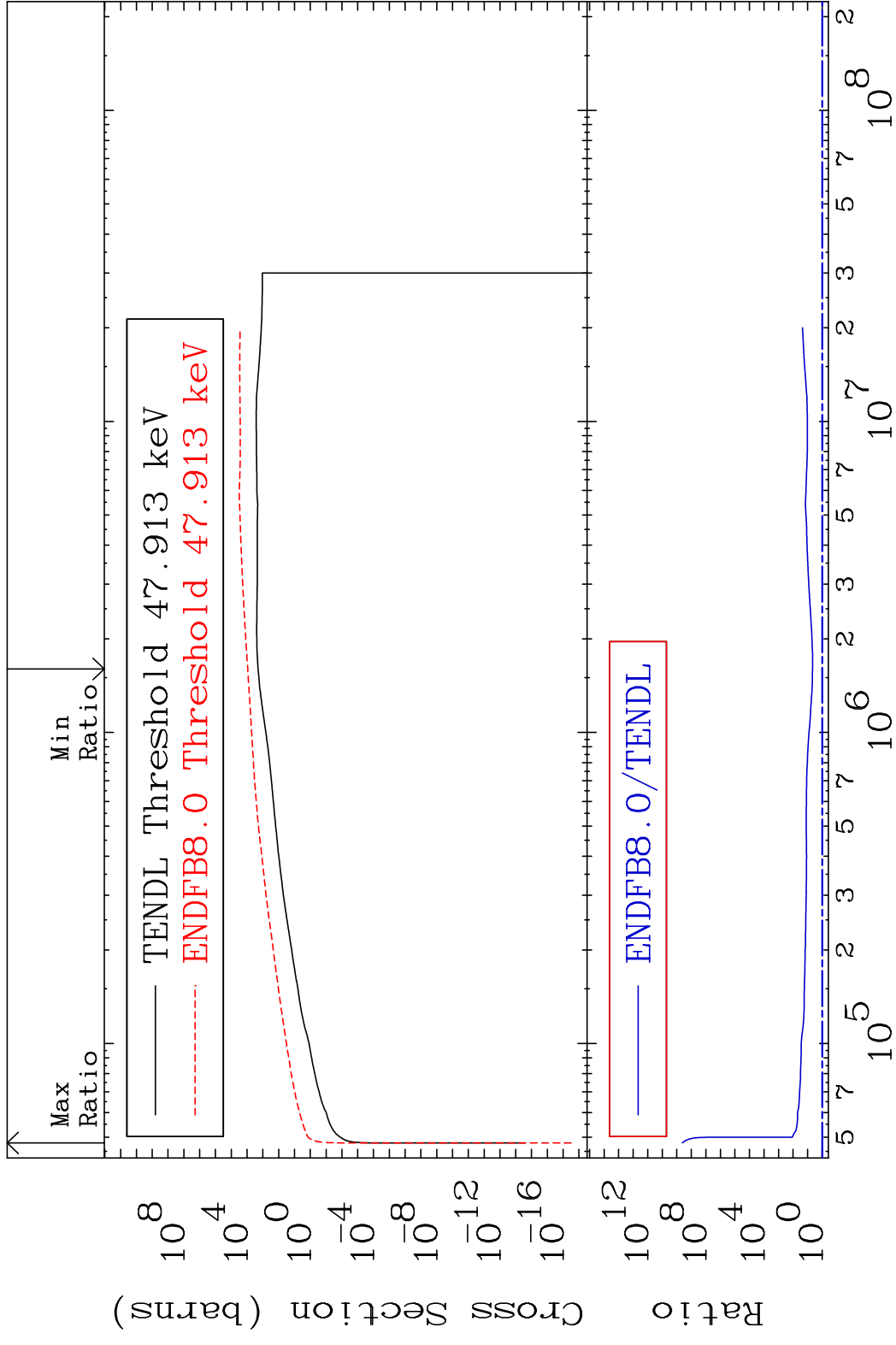


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Incident Energy (eV)

94-Pu-237

MAT 9431 Dpa inelastic (mt51-91) 94-Pu-237
 Cross Section 354.7 To 9999. %



MAT 9431 Dpa disappearance (mt102 -120) 94-Pu-237
 Cross Section -100.0 To 5776. %

