

Program Complot
(Version 2021-1)

by

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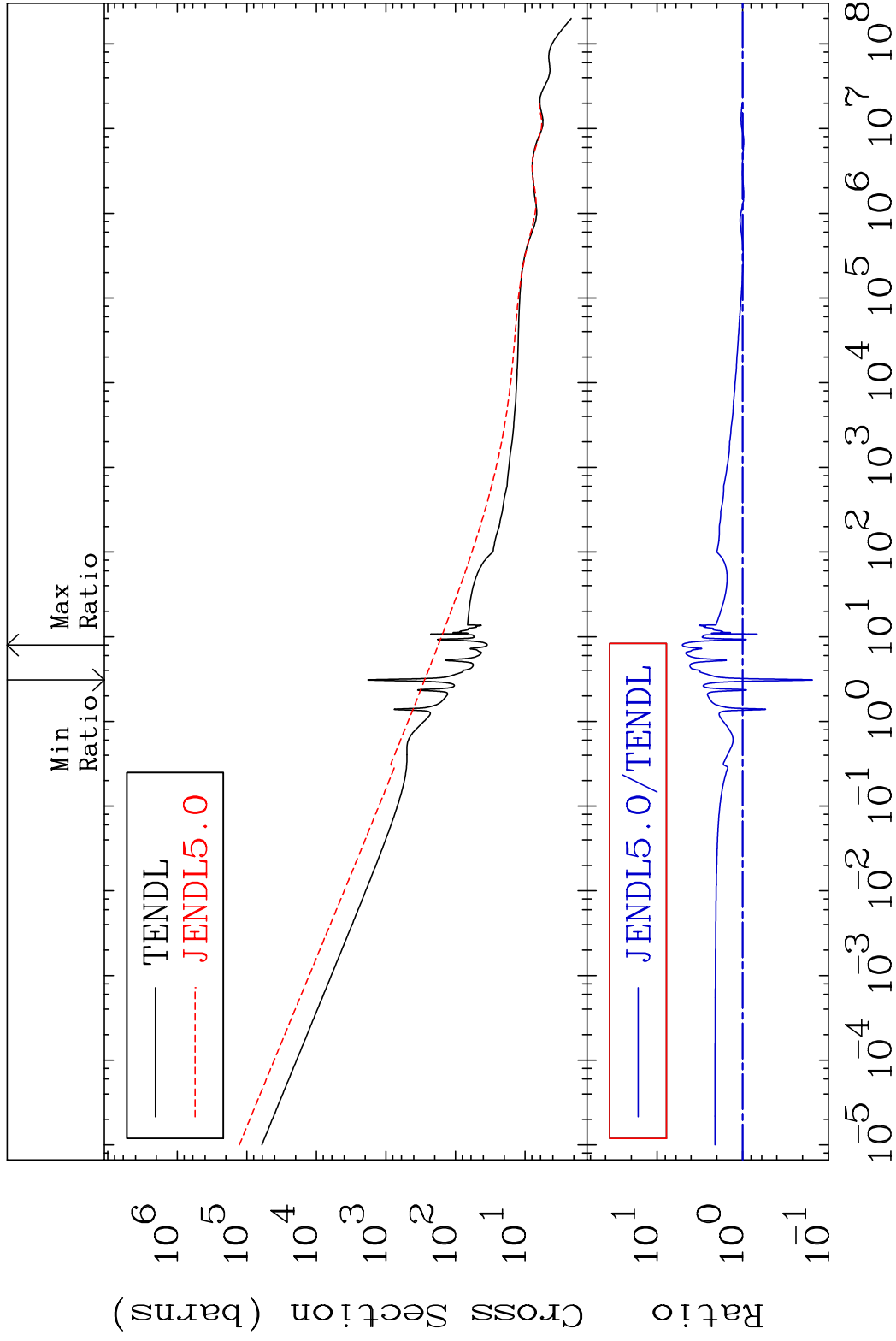
Press Mouse Button to Start

MAT 9431

Total

94-Pu-237

Cross Section -84.73 To 406.5 %



1

Incident Energy (eV)

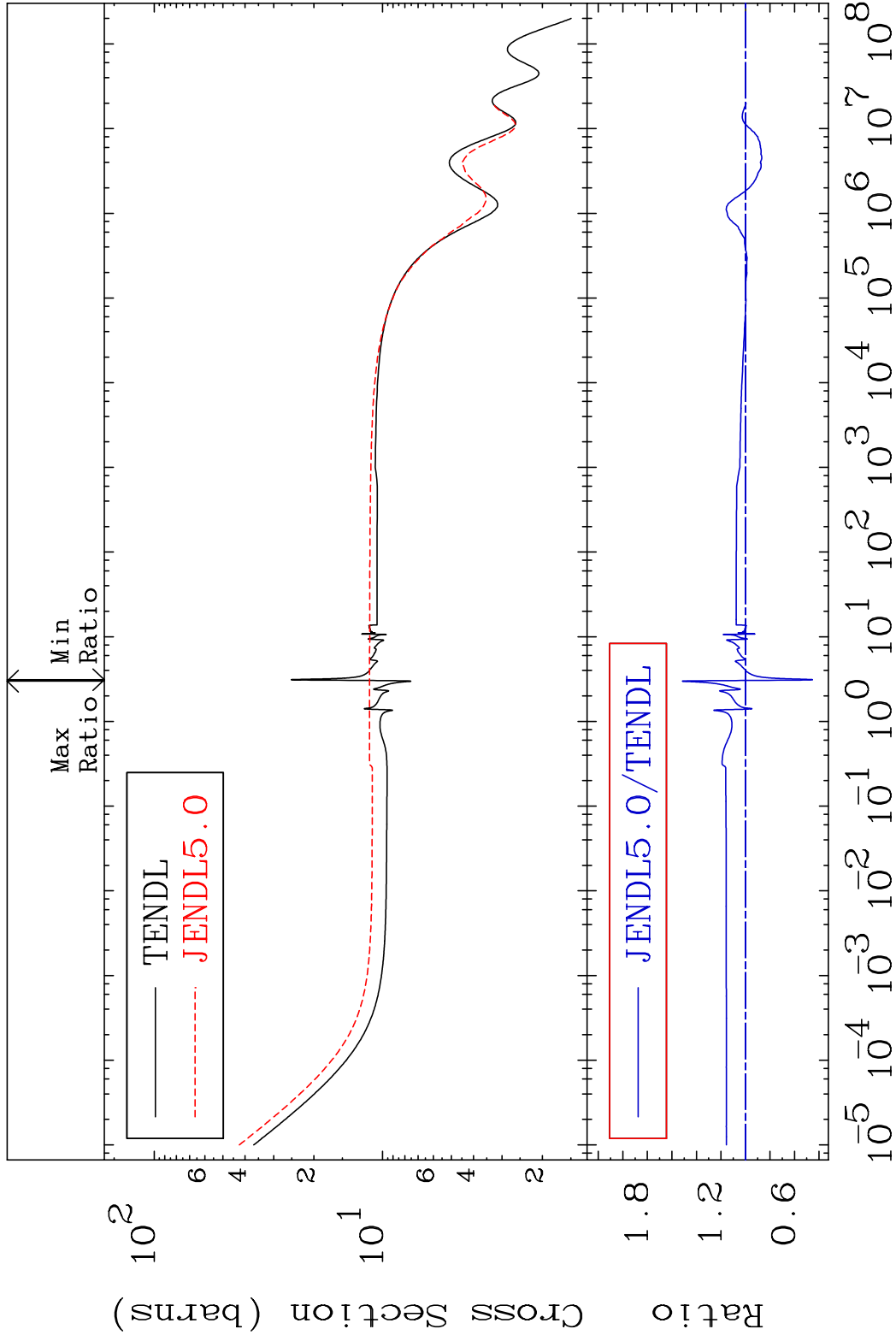
94-Pu-237

MAT 9431

Elastic

94-Pu-237

Cross Section -54.72 To 51.48 %



2

Incident Energy (eV)

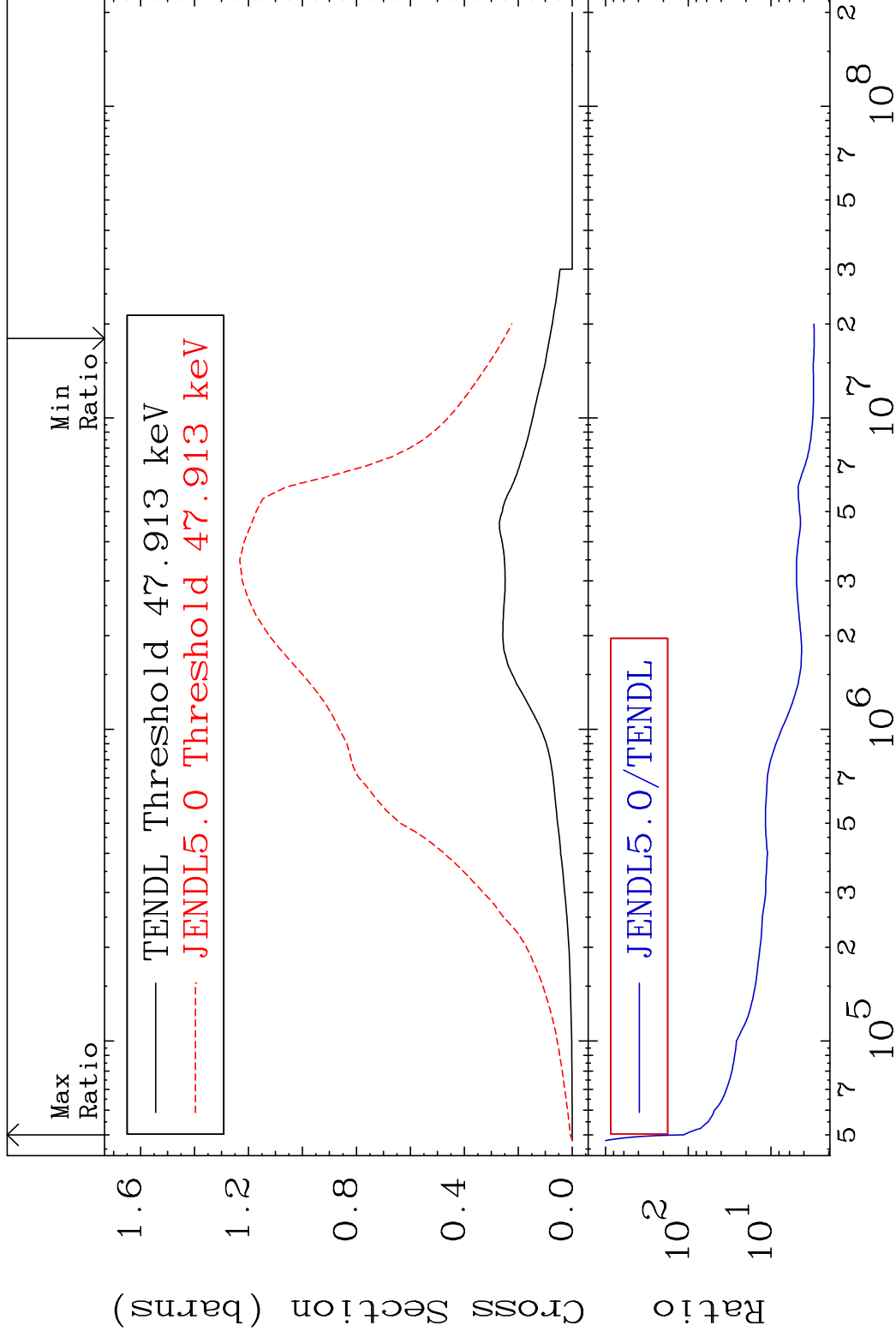
94-Pu-237

MAT 9431

Inelastic

94-Pu-237

Cross Section 201.6 To 9999. %



3

Incident Energy (eV)

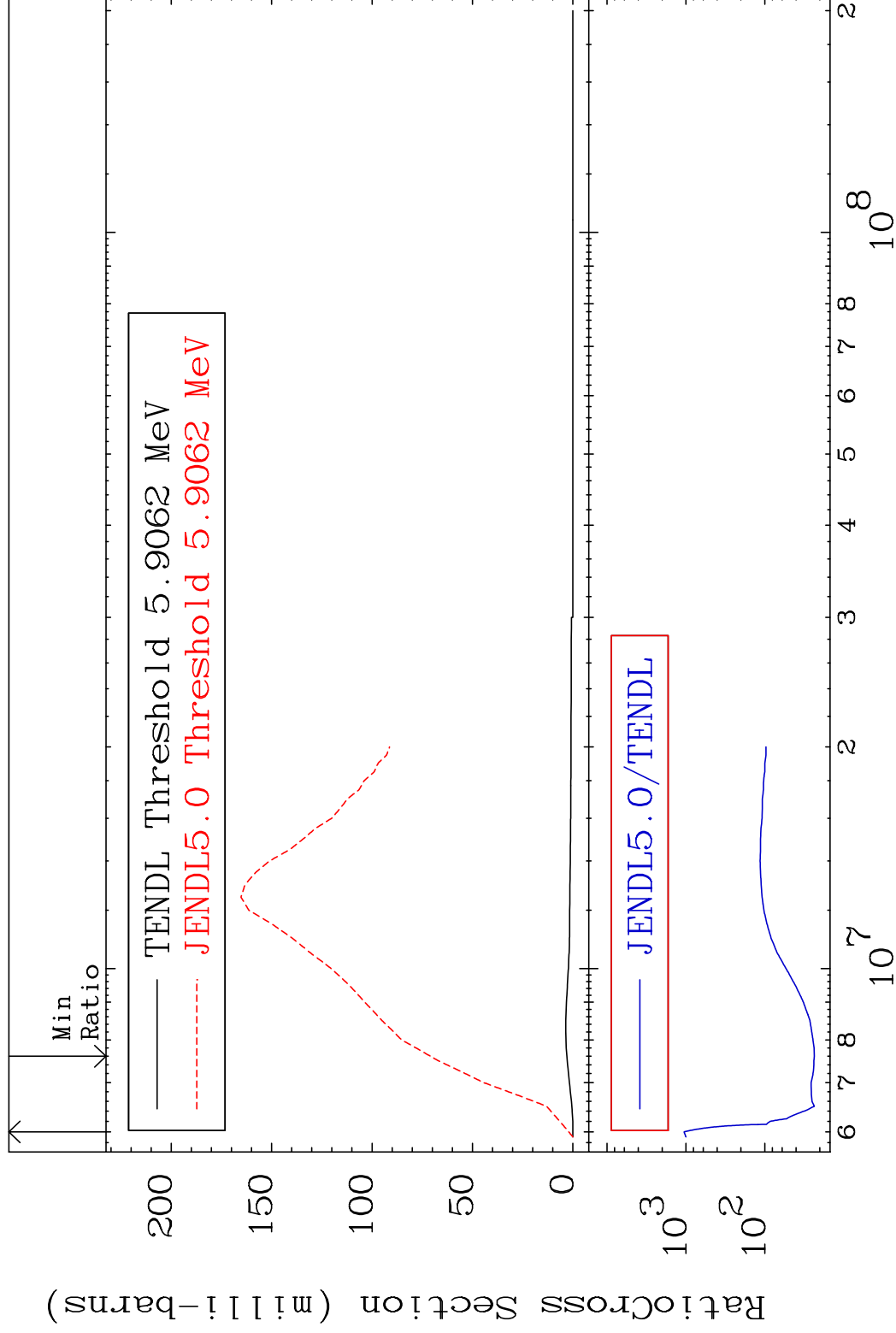
94-Pu-237

MAT 9431

(n,2n)

94-Pu-237

Cross Section 2255. To 9999. %



4

Incident Energy (eV)

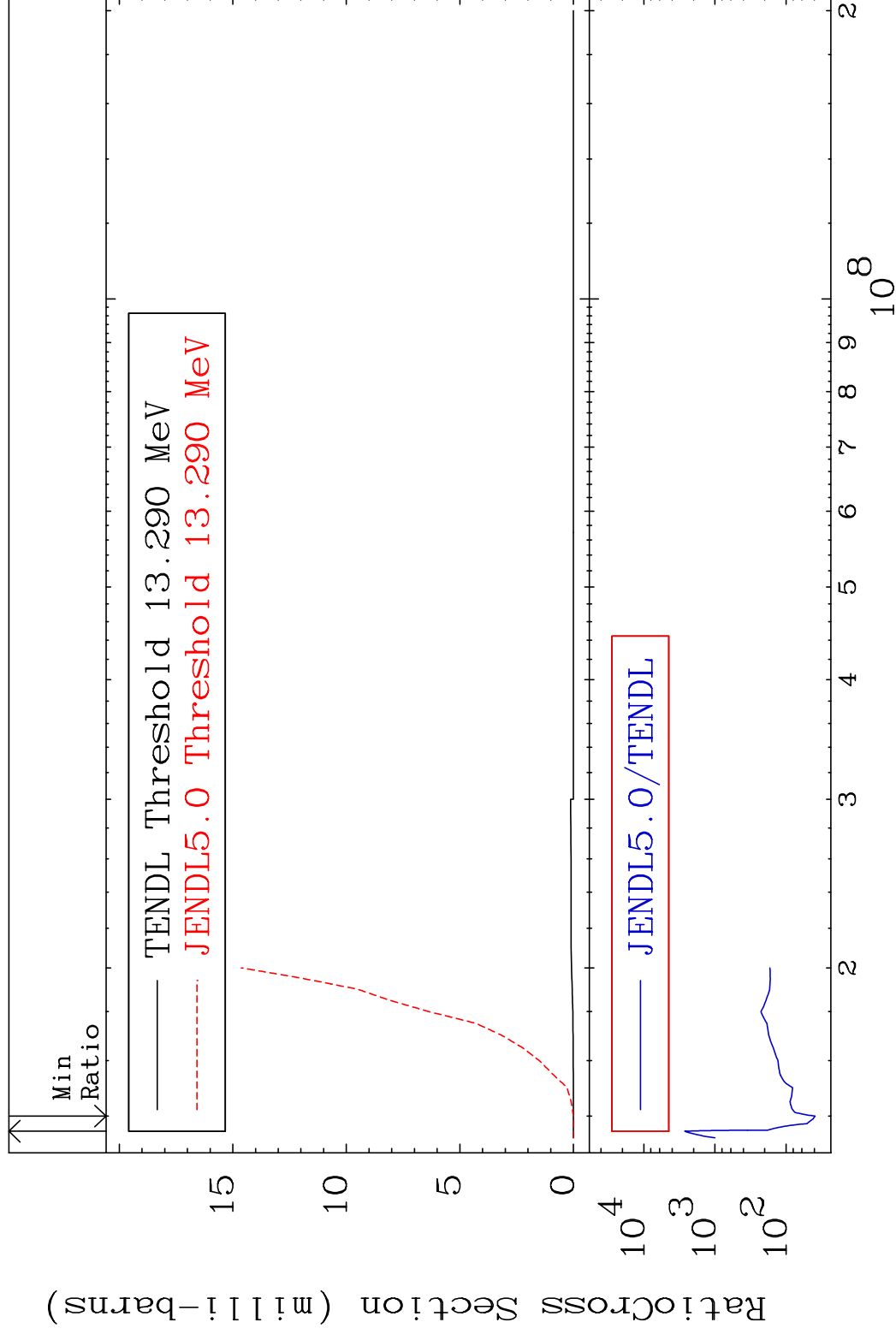
94-Pu-237

MAT 9431

(n,3n)

94-Pu-237

Cross Section 3830. To 9999. %



5

Incident Energy (eV)

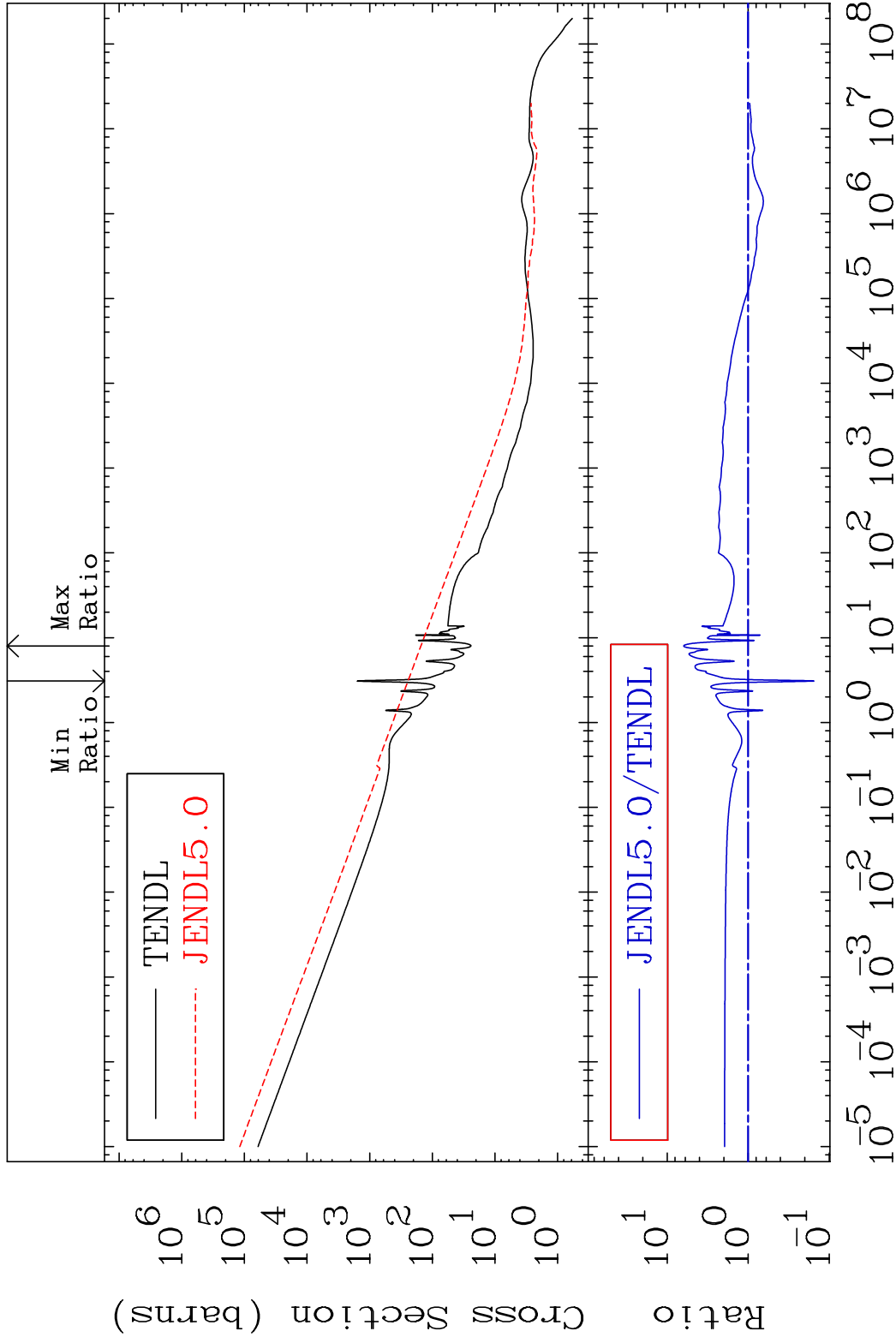
94-Pu-237

MAT 9431

Fission

94-Pu-237

Cross Section -84.66 To 527.1 %

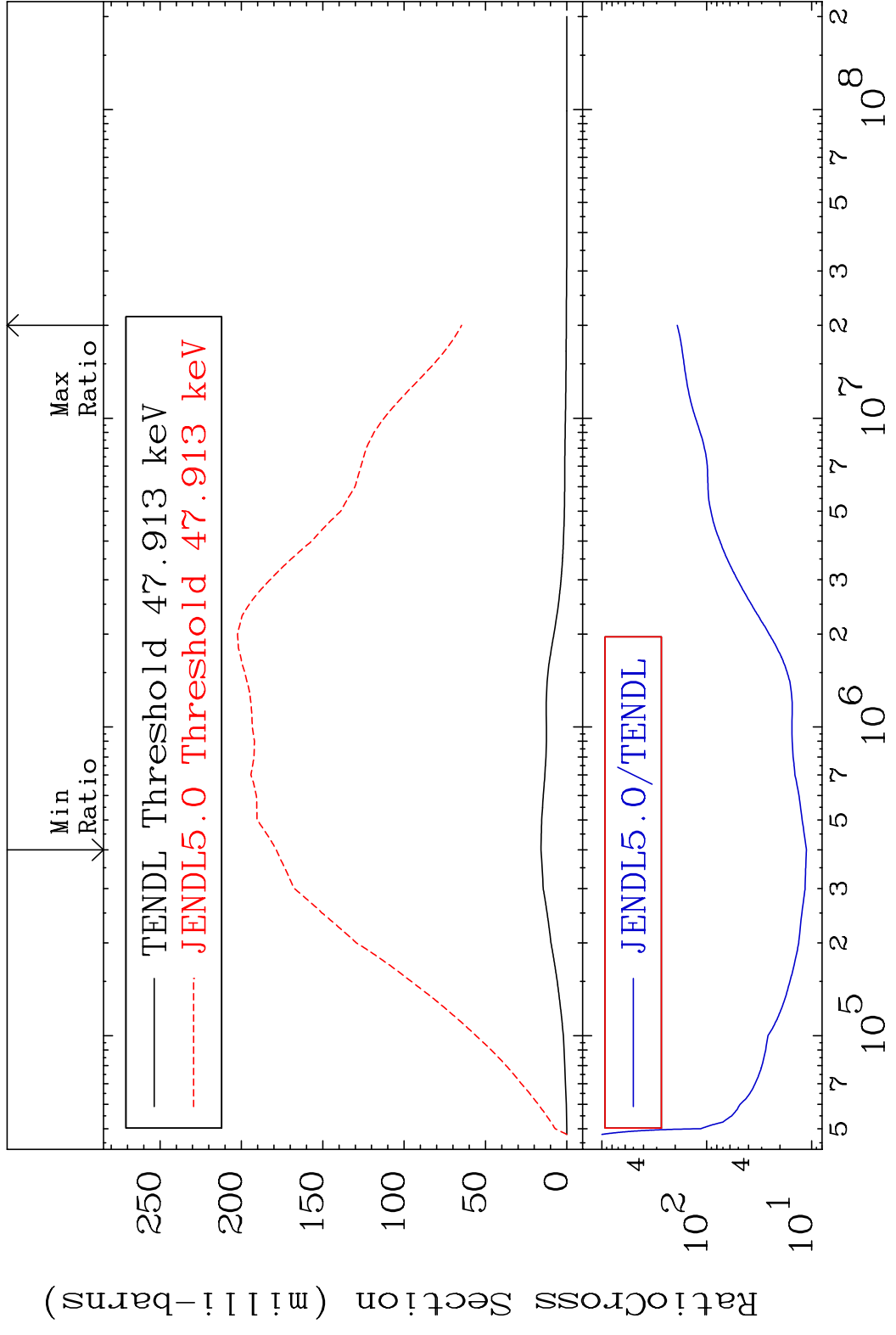


6

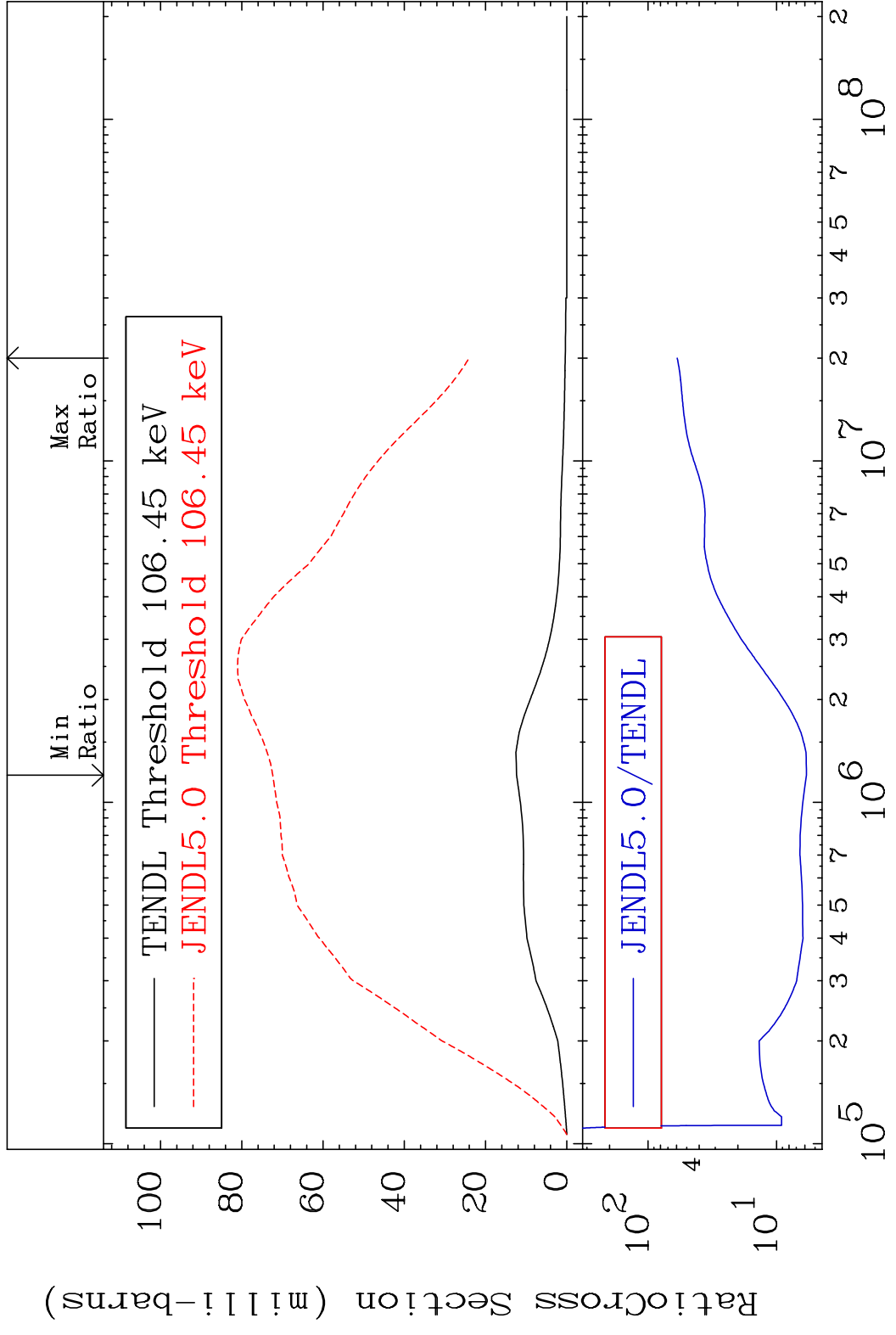
Incident Energy (eV)

94-Pu-237

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

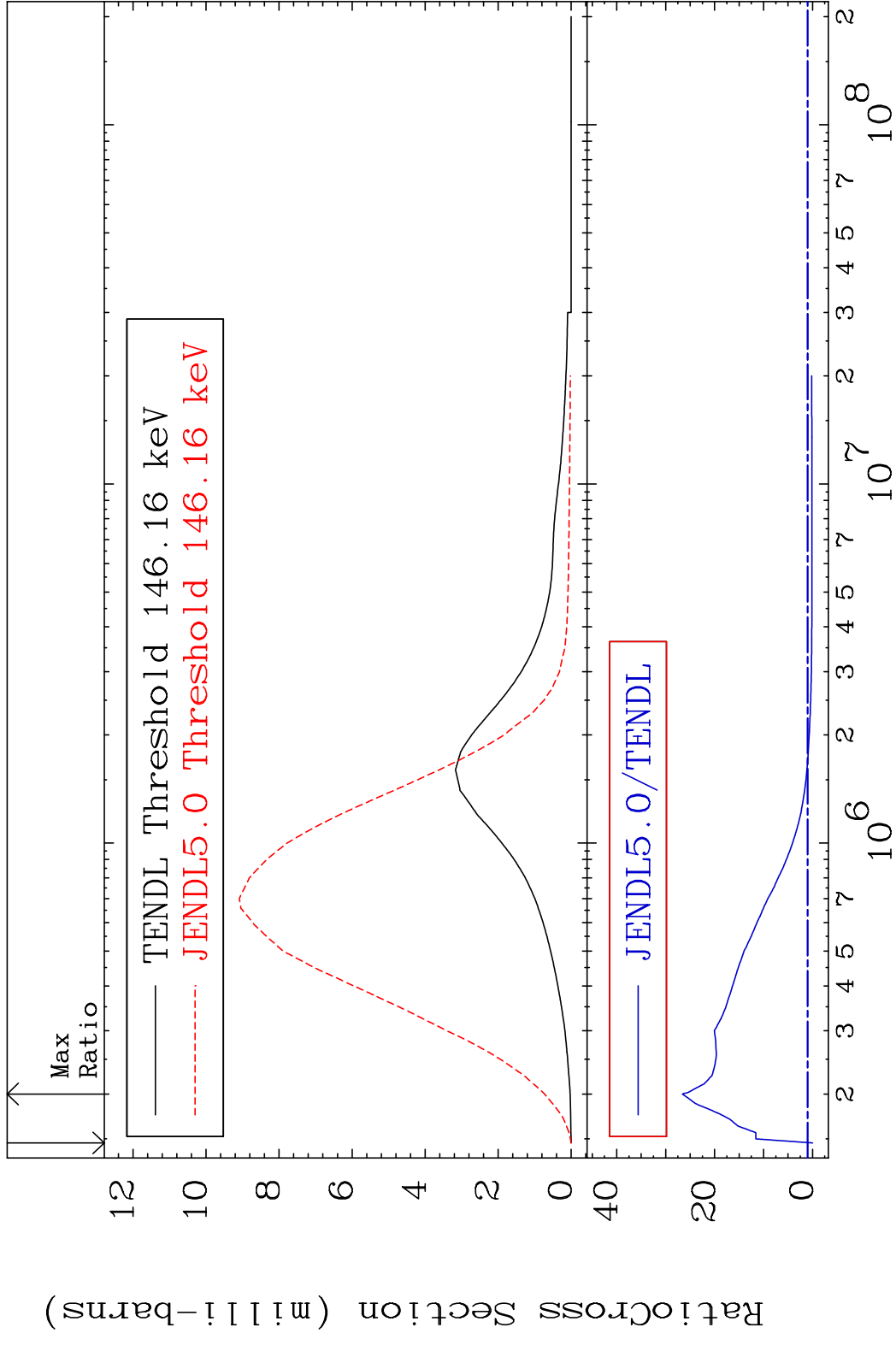


MAT 9431 MT= 52 (n, n') Level 94-Pu-237
 Cross Section 484.6 To 5837. %



8 Incident Energy (eV) 94-Pu-237

MAT 9431 MT= 53 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 2559. %

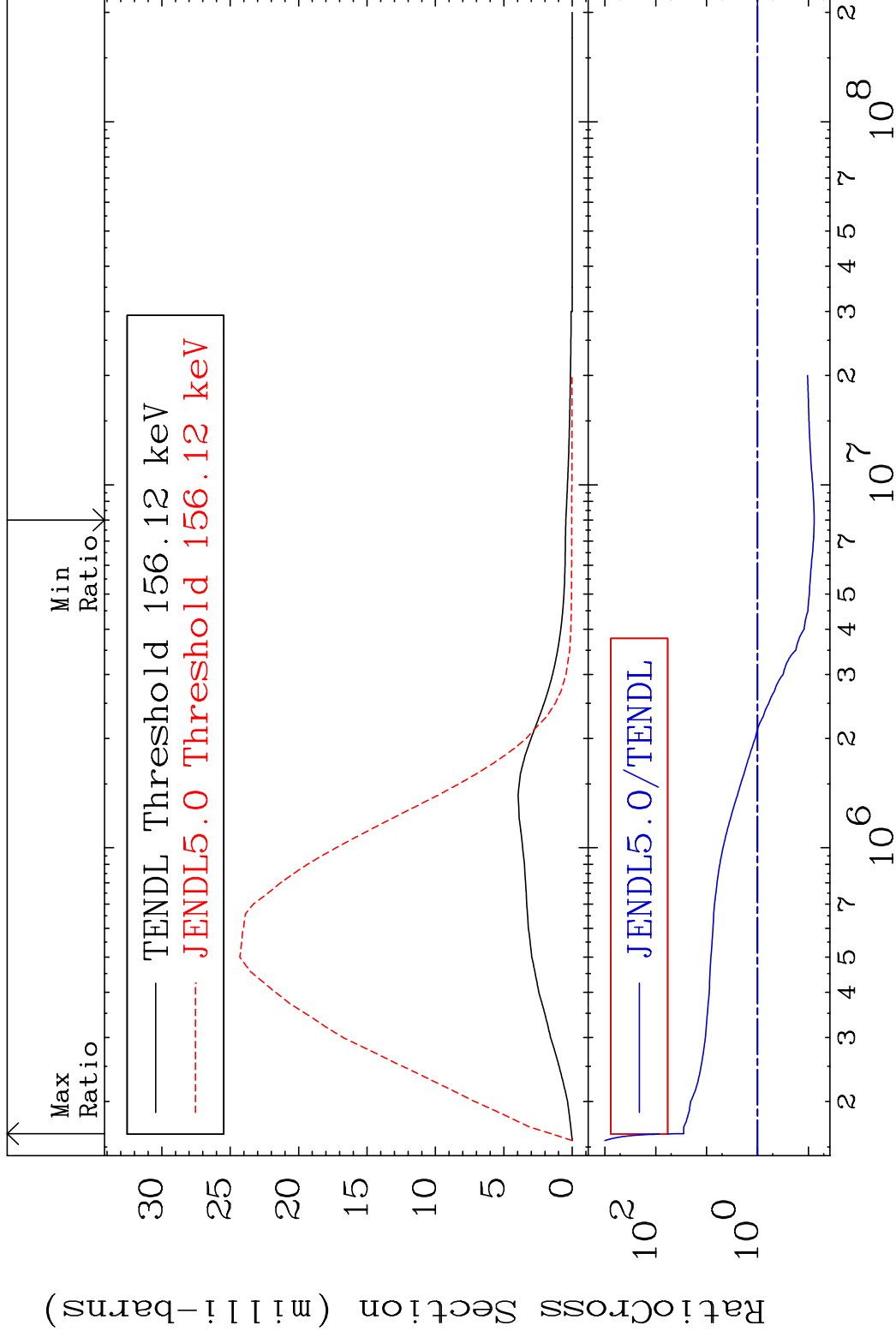


MAT 9431

MT= 54 (n, n') Level

94-Pu-237

Cross Section -92.26 To 2730. %

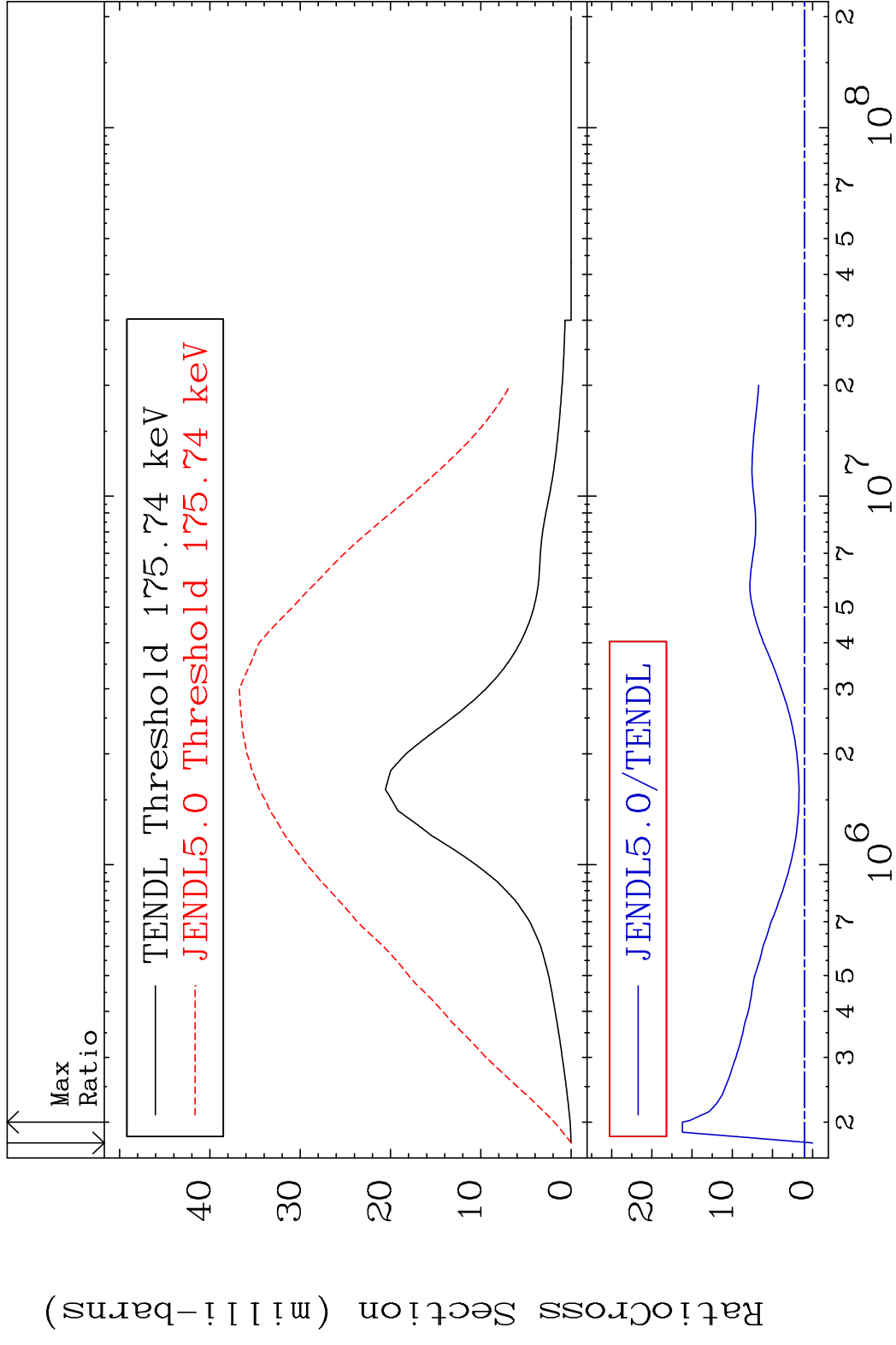


10

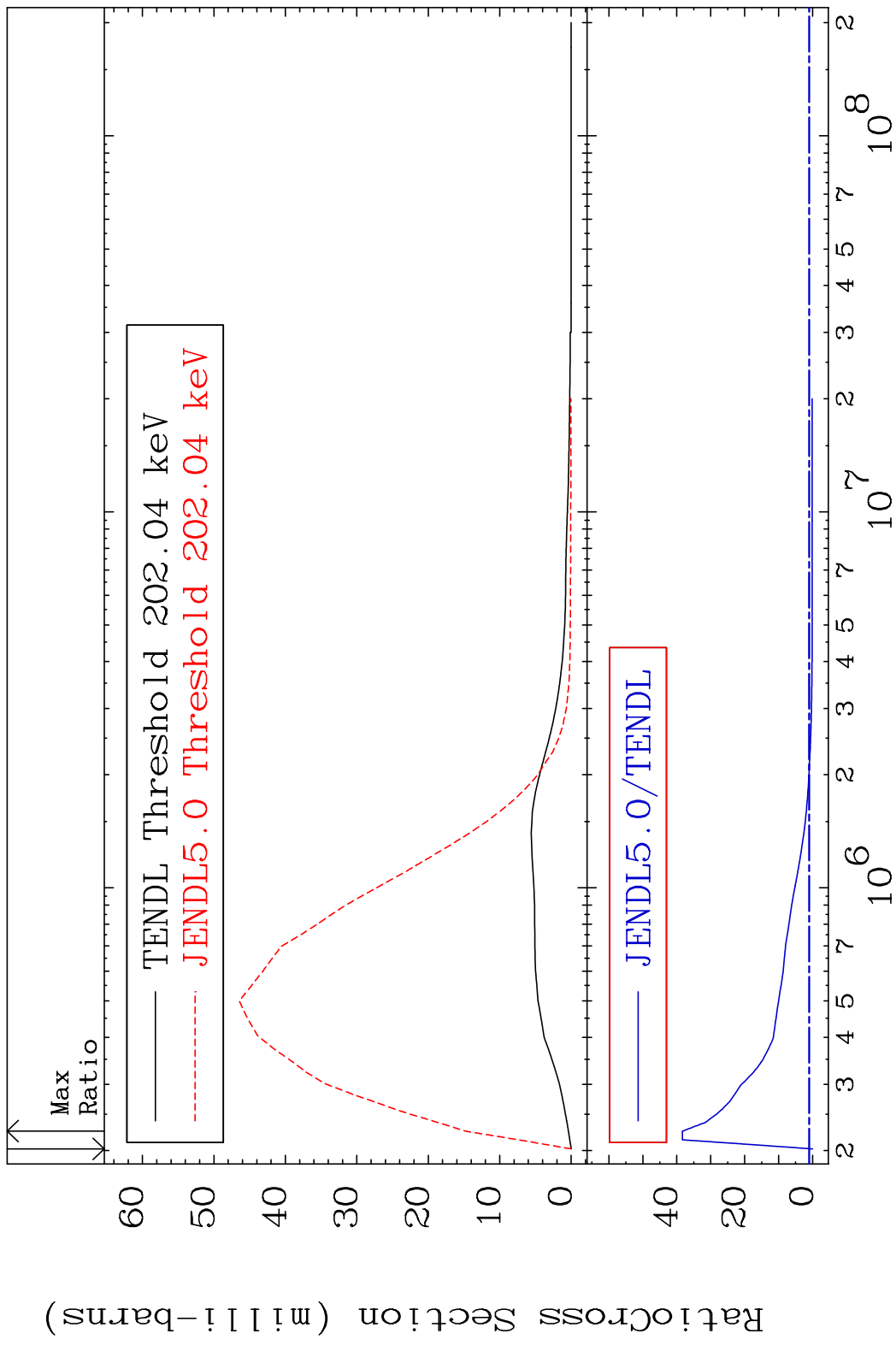
Incident Energy (eV)

94-Pu-237

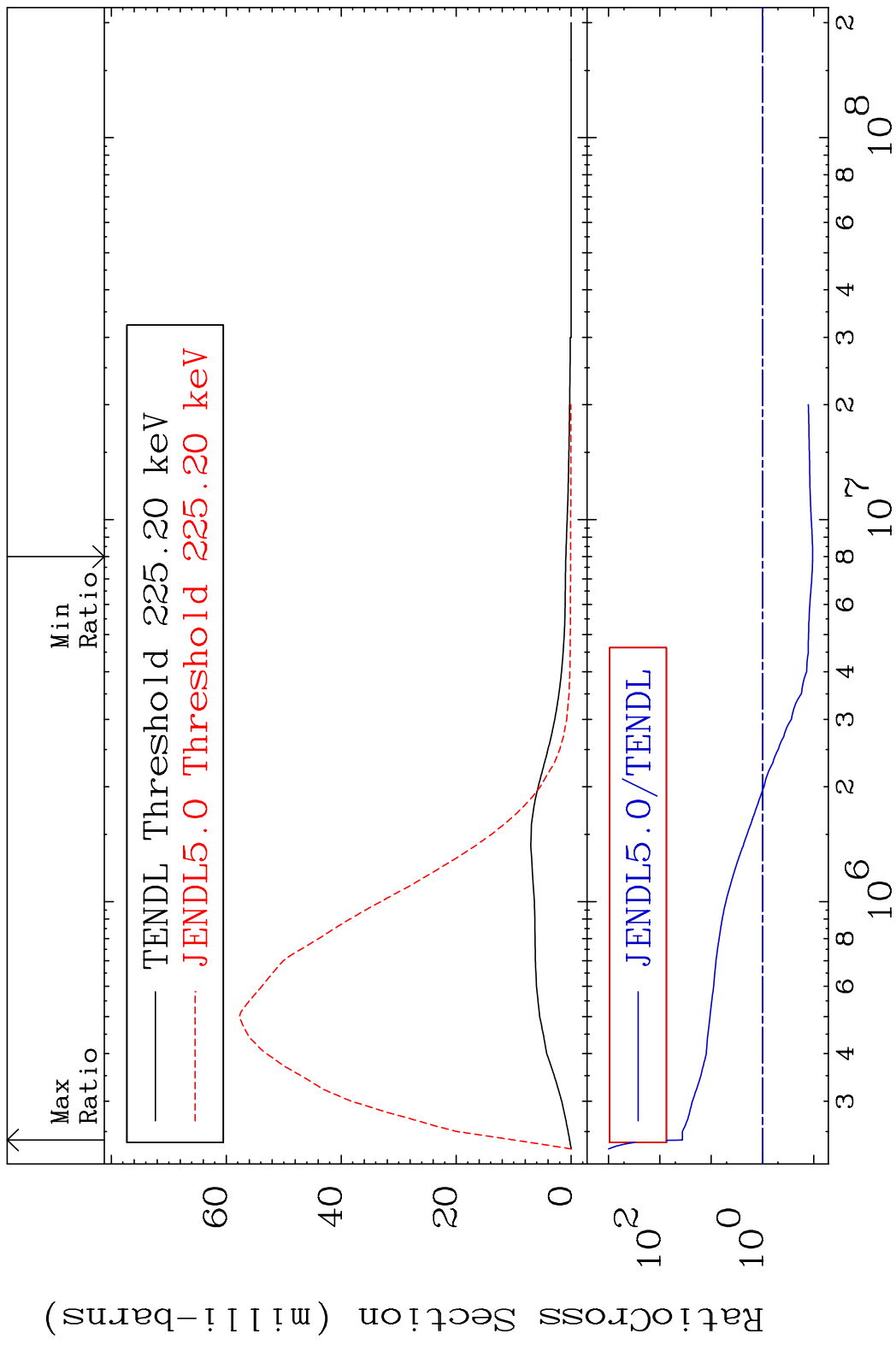
MAT 9431 MT= 55 (n, n') Level 94-Pu-237
 Cross Section -100.0 To 1521. %



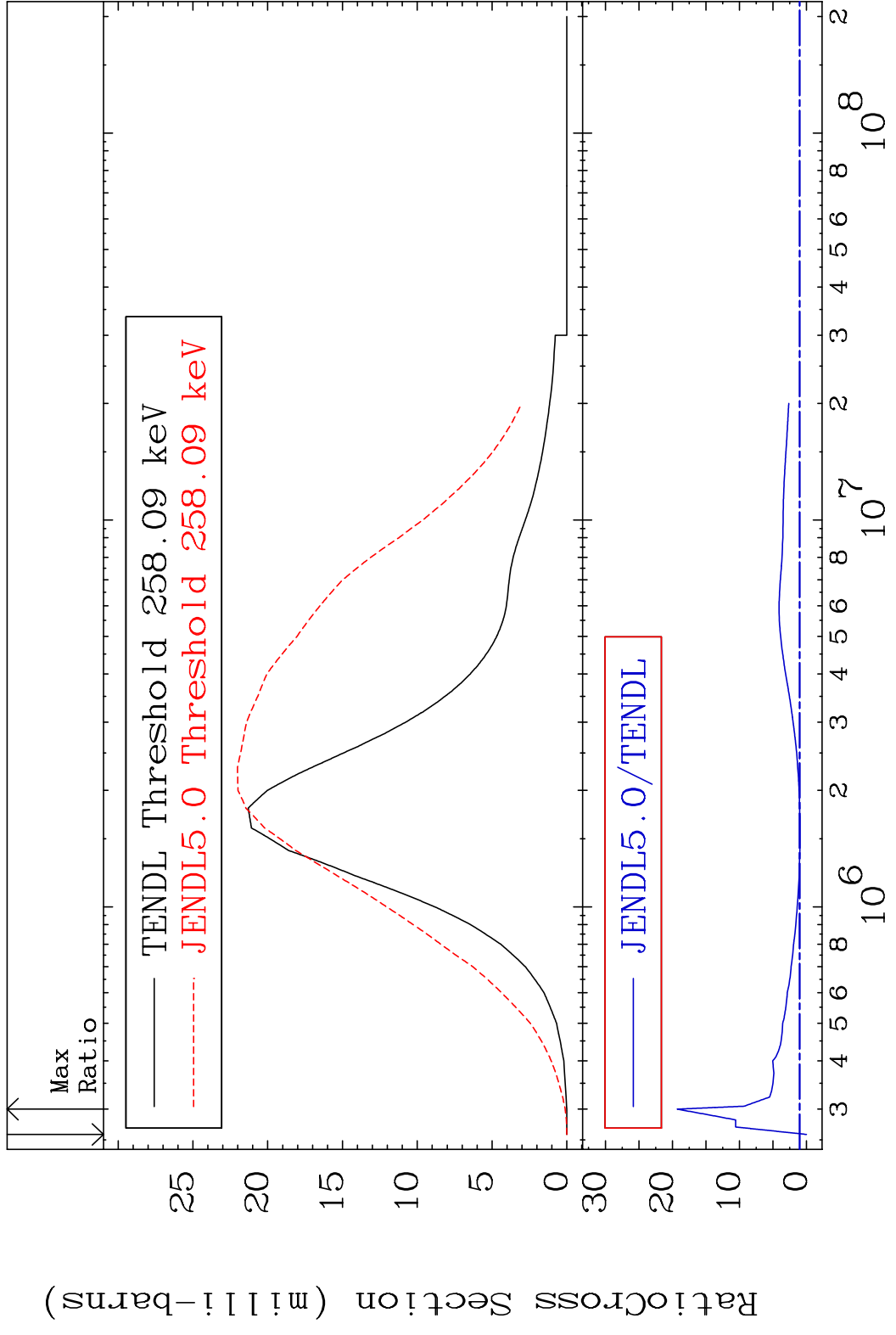
MAT 9431 MT= 56 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 3736. %



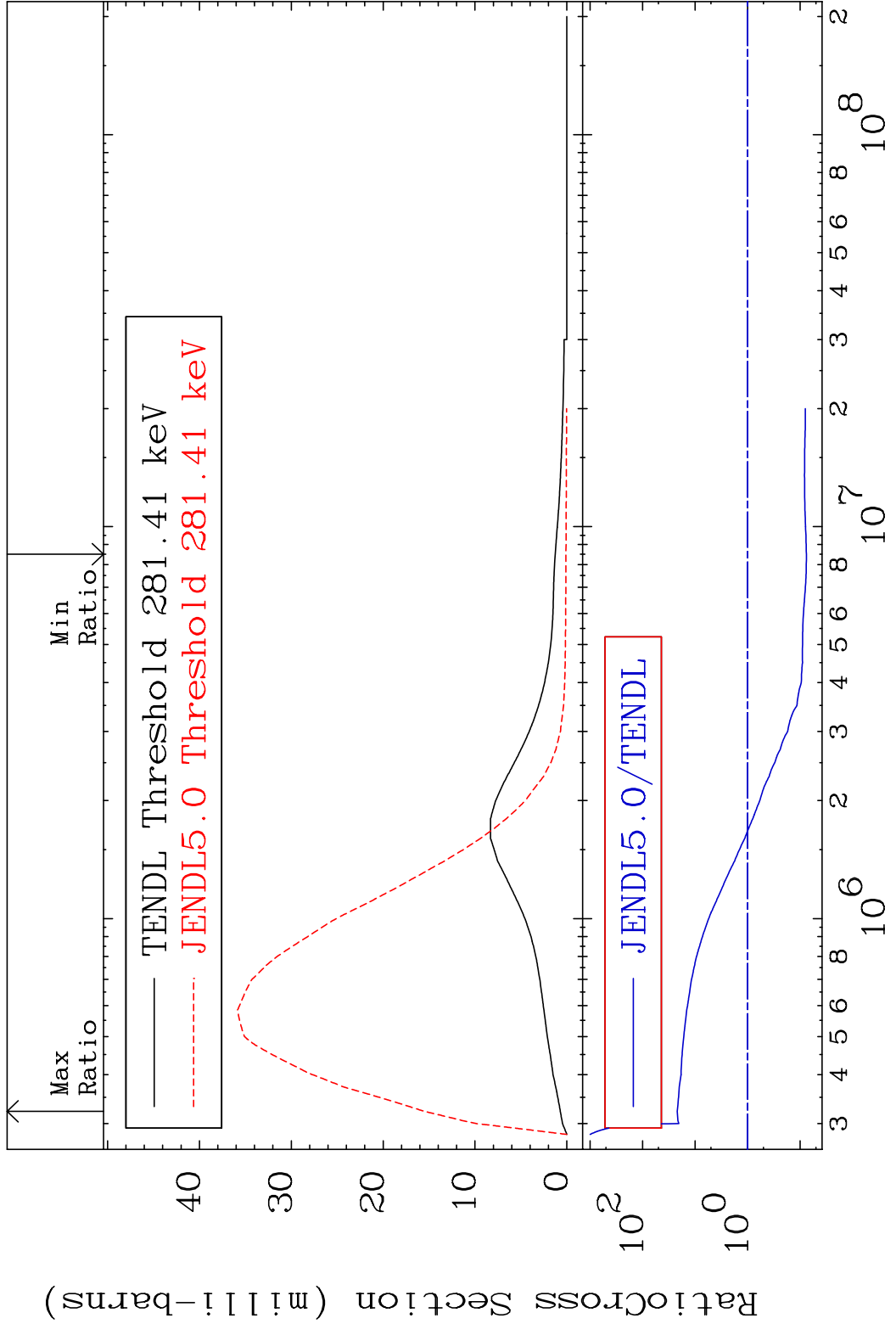
MAT 9431 MT= 57 (n,n') Level 94-Pu-237
 Cross Section -89.47 To 3542. %



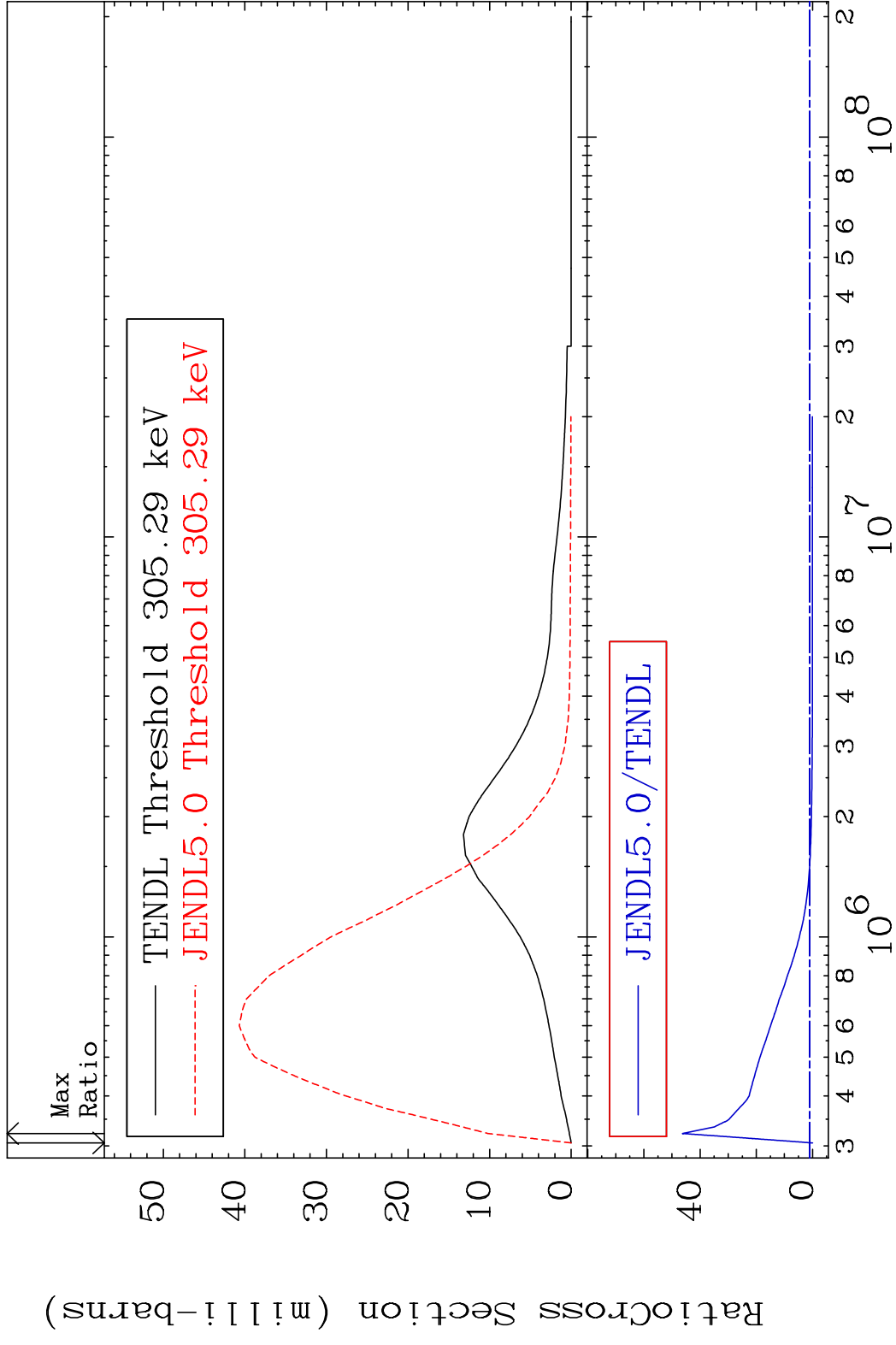
MAT 9431 MT= 58 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 1828. %



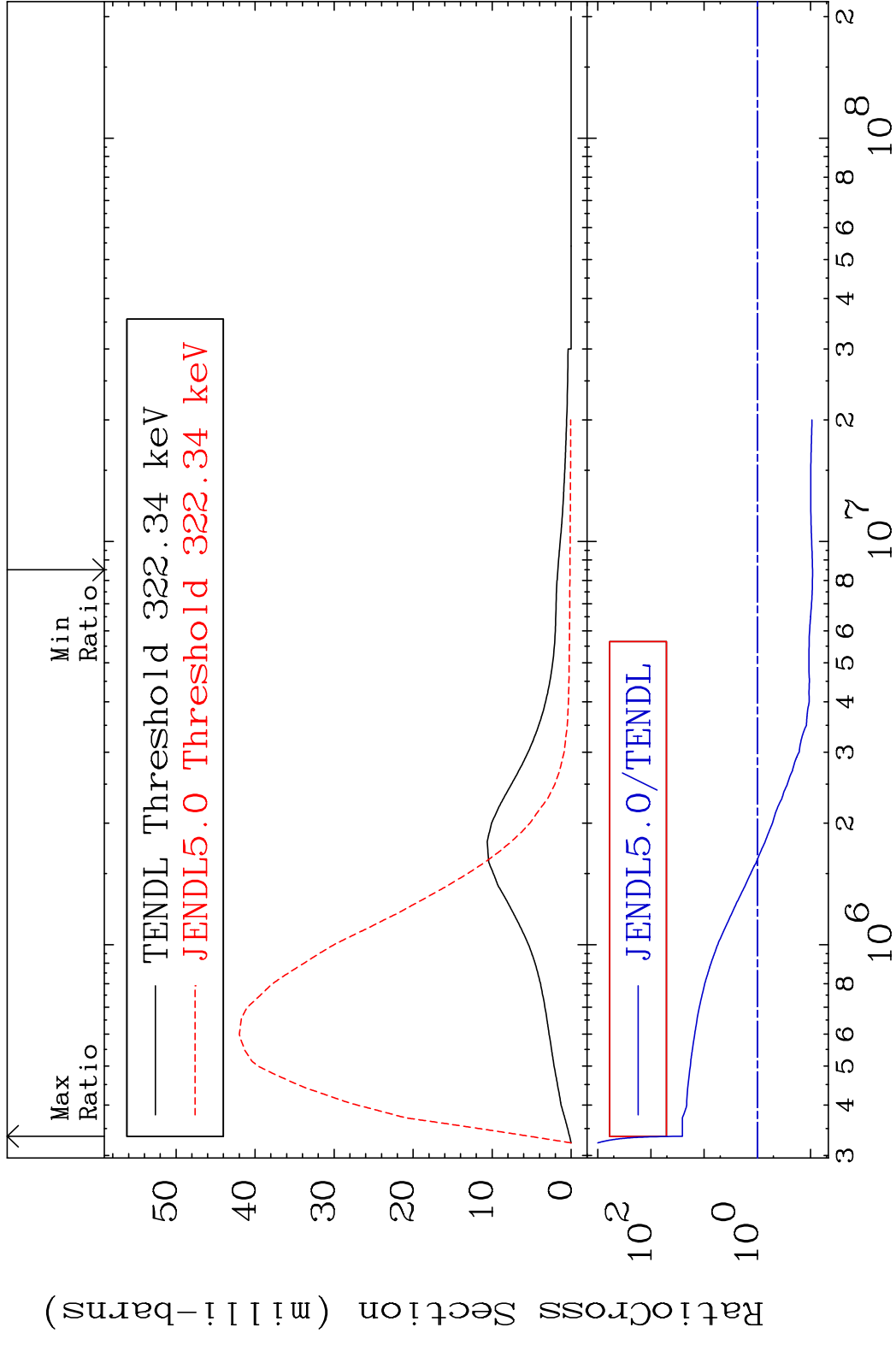
MAT 9431 MT= 59 (n, n') Level 94-Pu-237
 Cross Section -92.43 To 2089. %



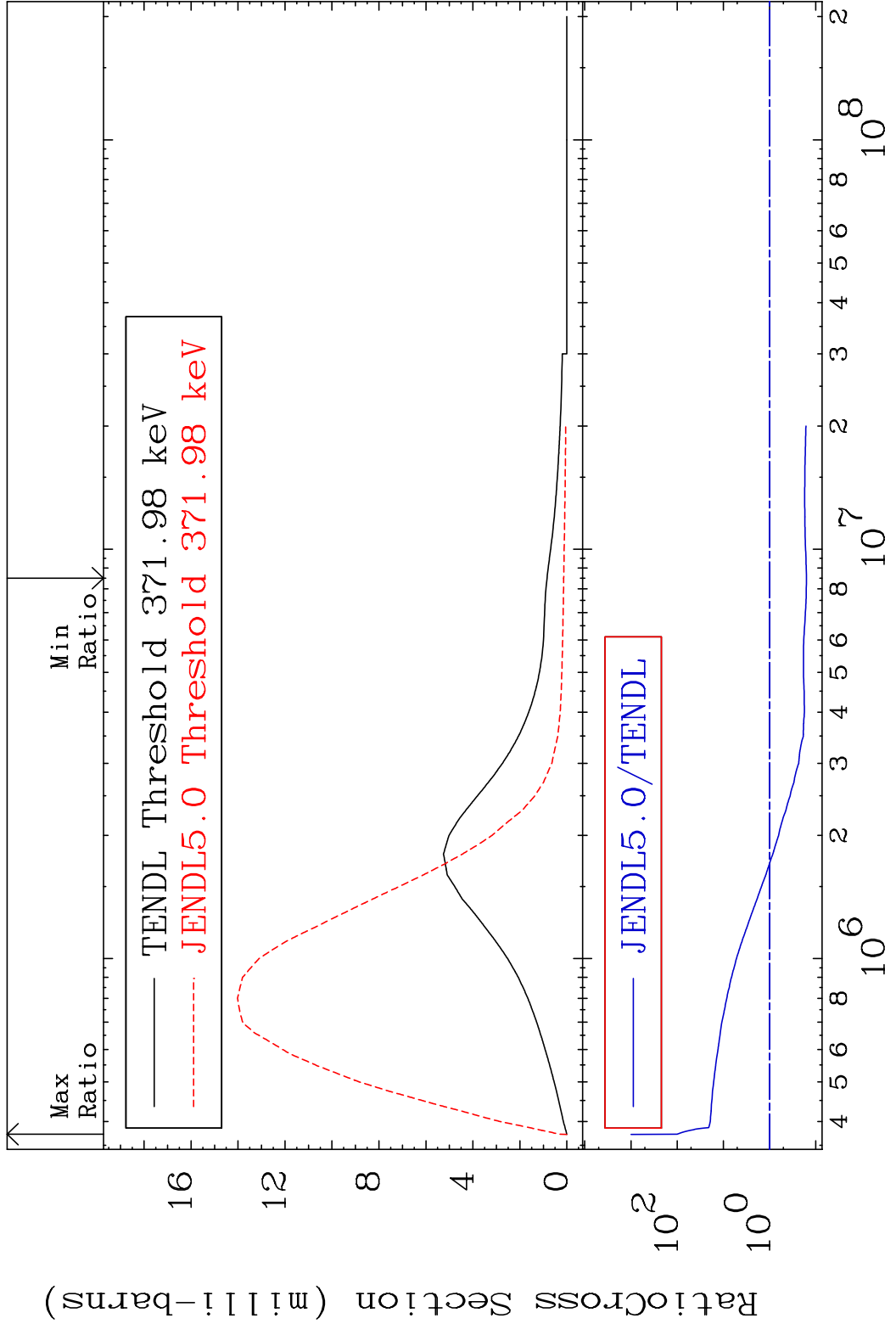
MAT 9431 MT= 60 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 4531. %



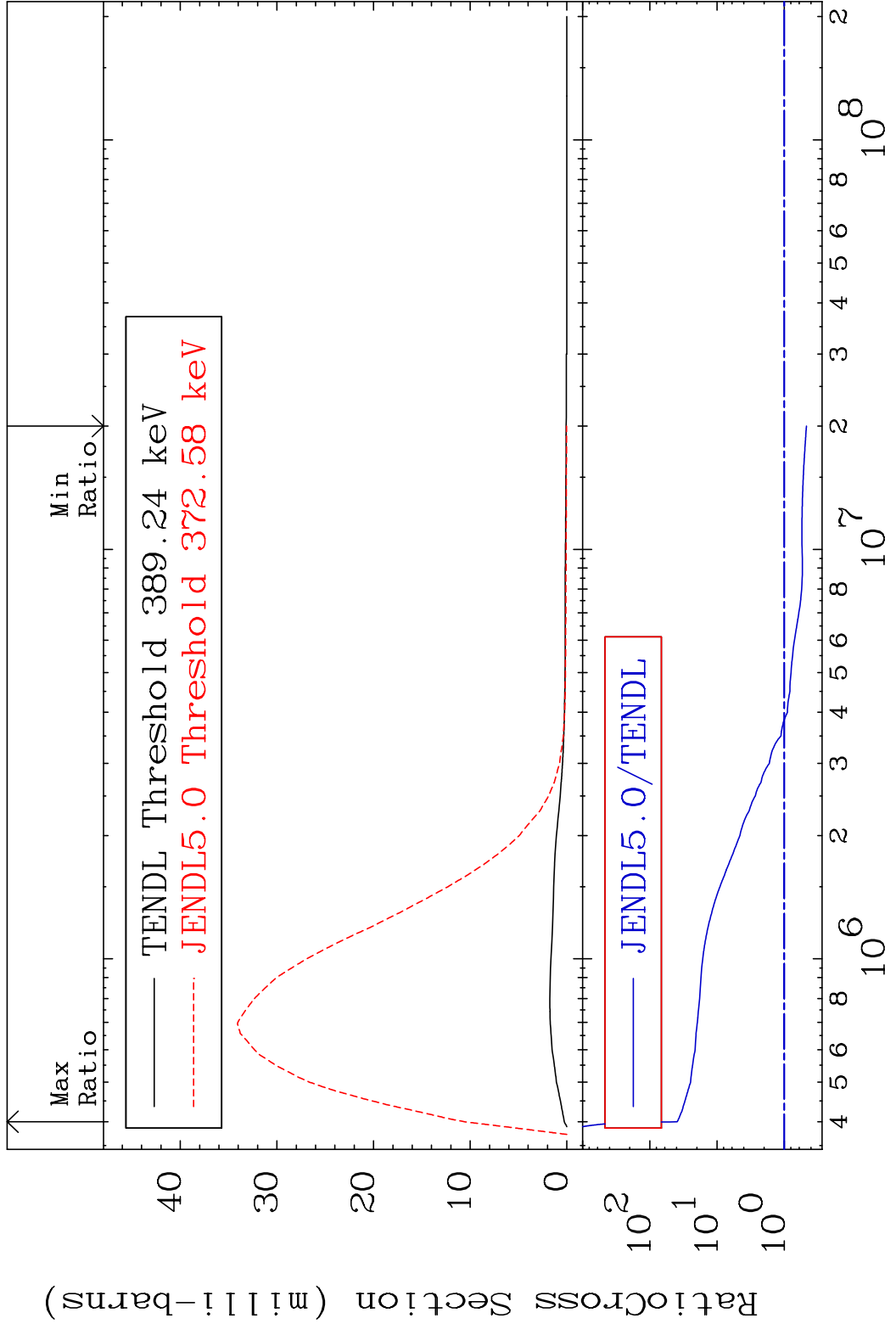
MAT 9431 MT= 61 (n, n') Level 94-Pu-237
 Cross Section -90.83 To 2465. %



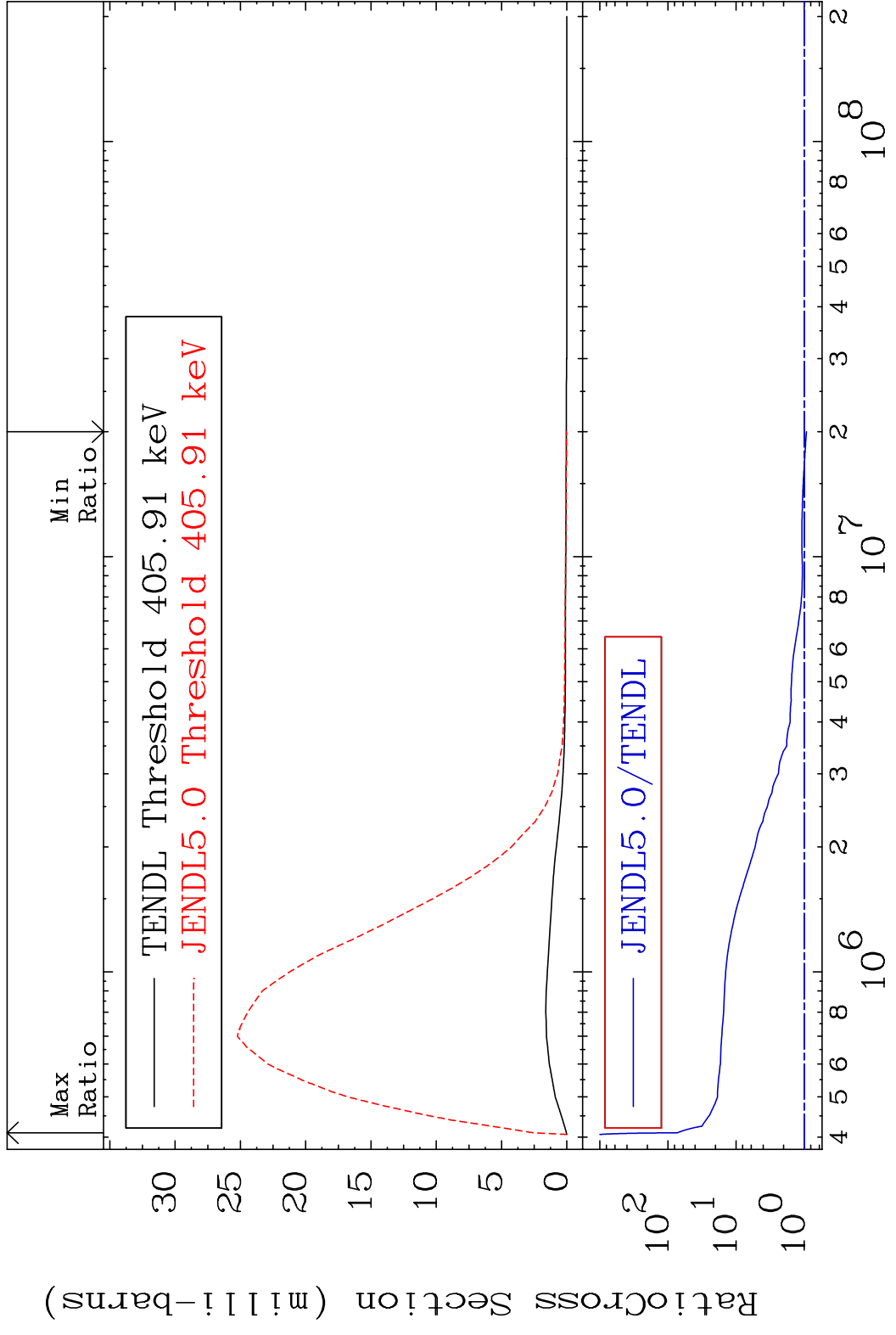
MAT 9431 MT= 62 (n,n') Level 94-Pu-237
 Cross Section -84.11 To 9870. %



MAT 9431 MT= 63 (n, n') Level 94-Pu-237
 Cross Section -53.13 To 3828. %

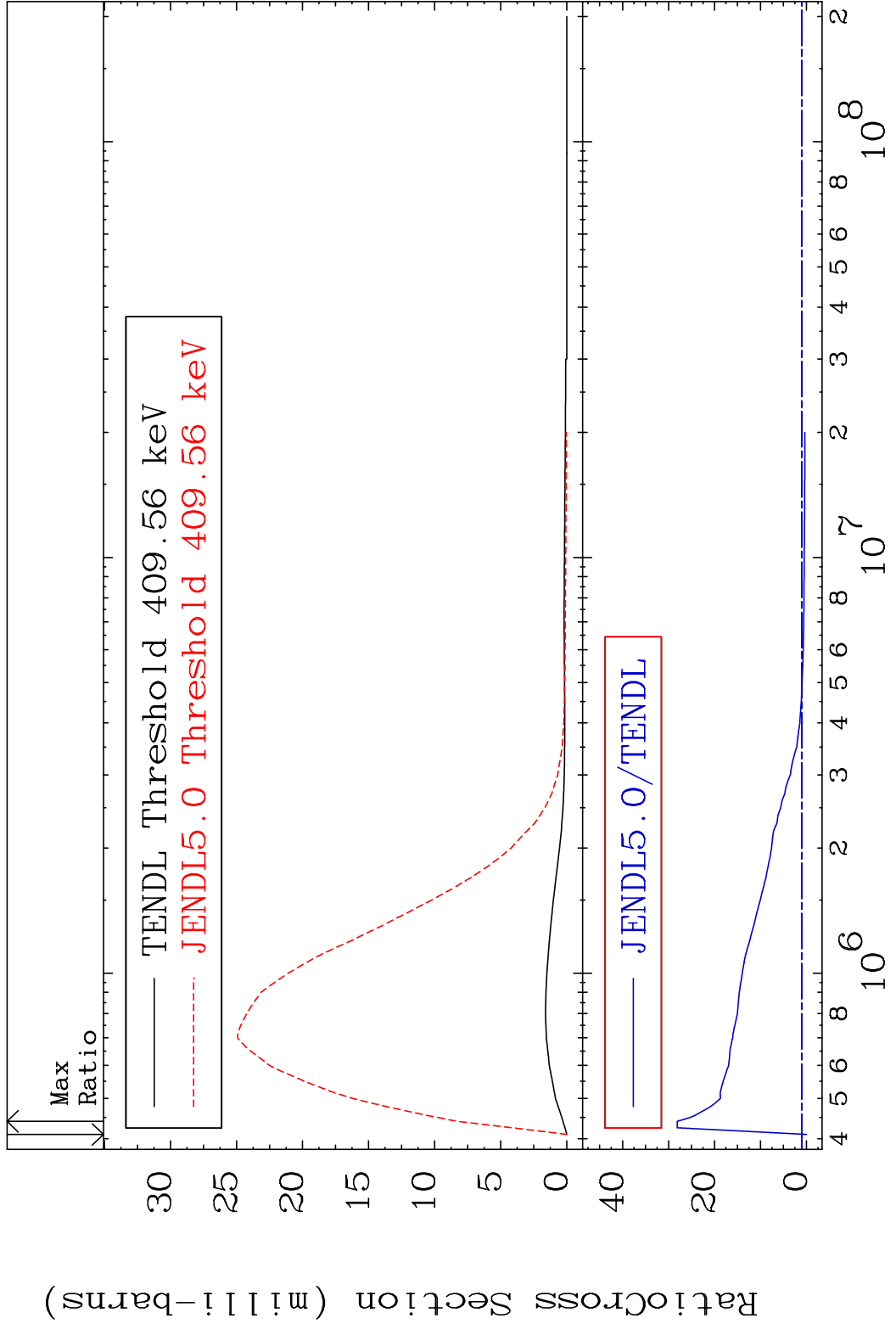


MAT 9431 MT= 64 (n,n') Level 94-Pu-237
 Cross Section -7.322 To 7219. %

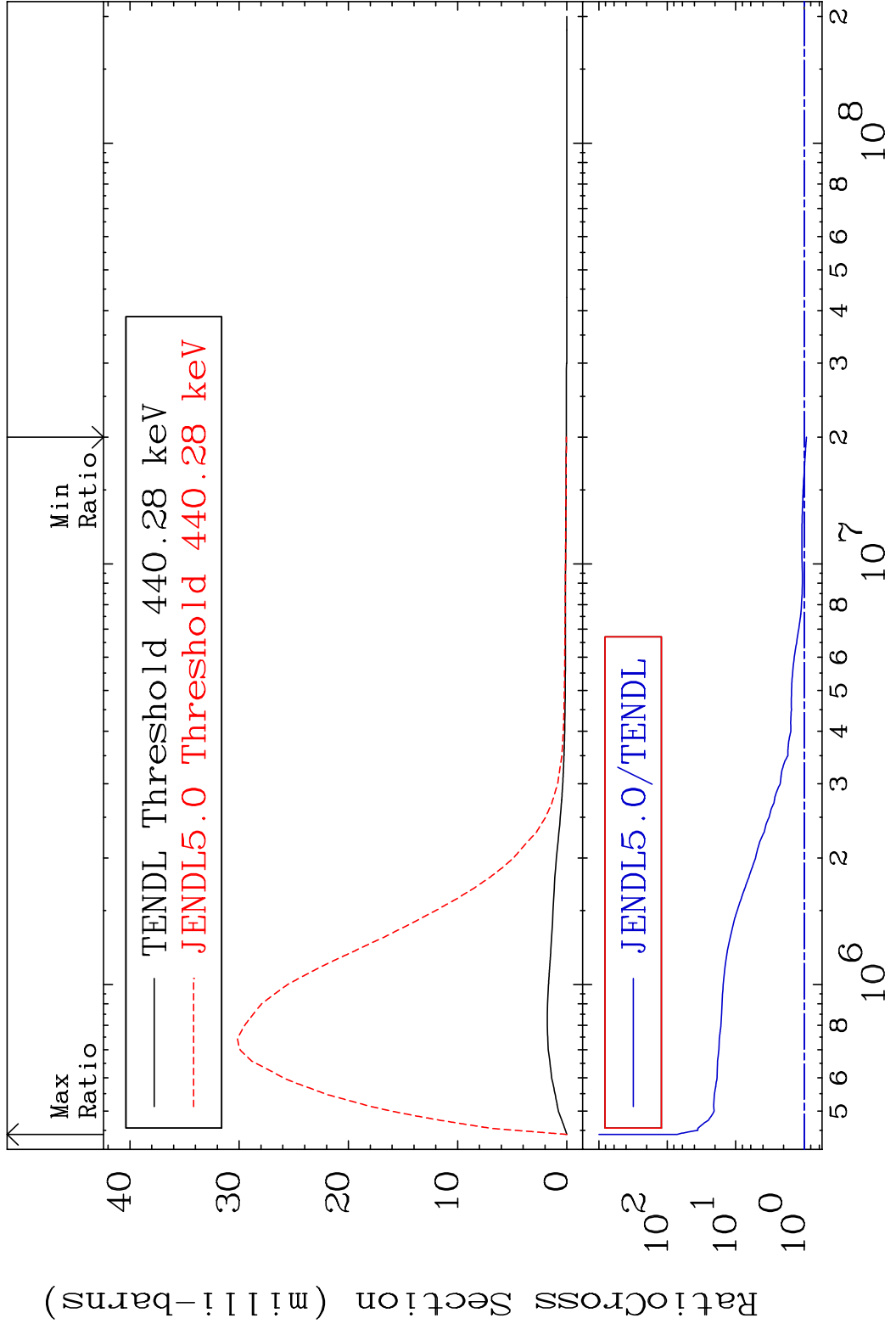


20 Incident Energy (eV) 94-Pu-237

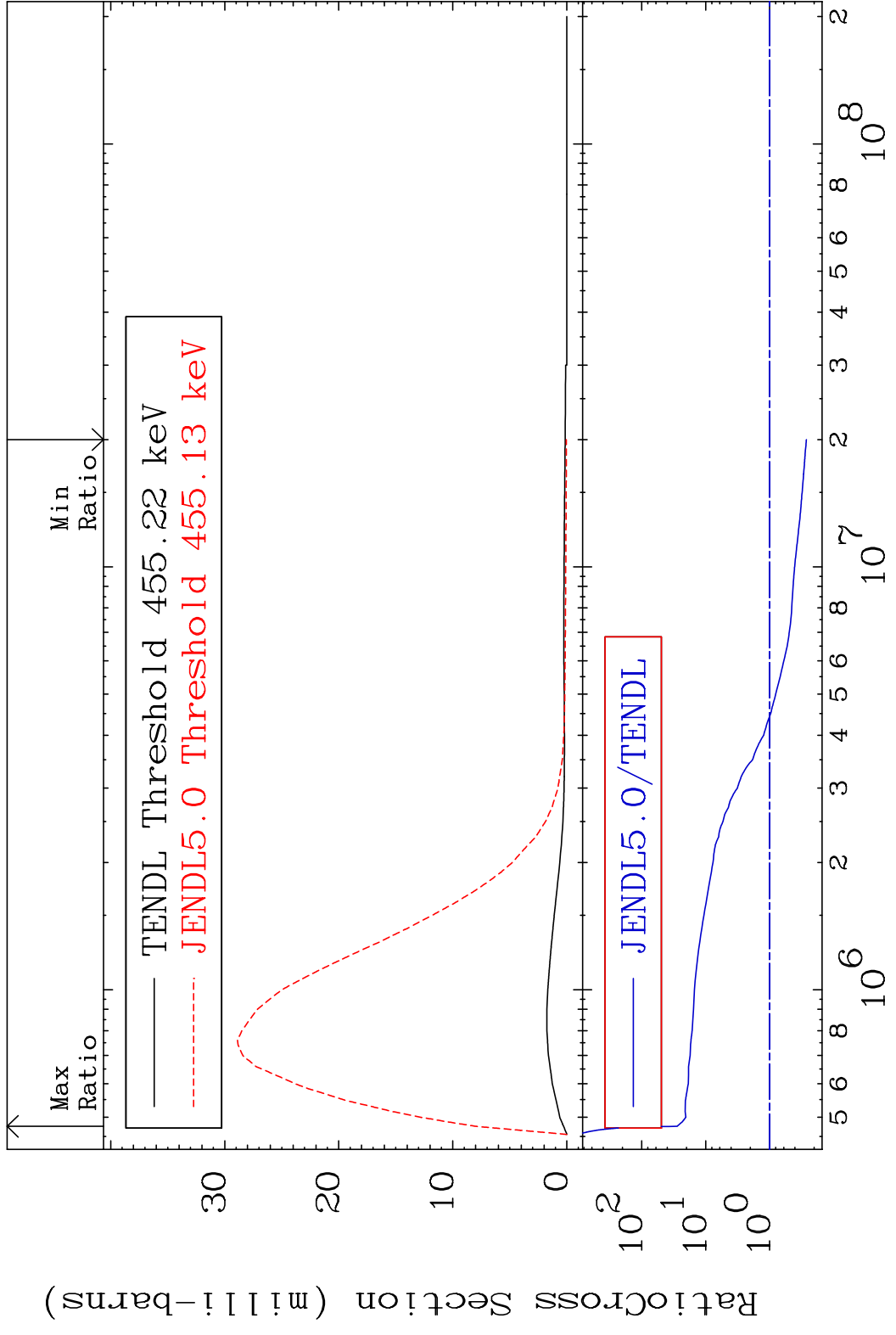
MAT 9431 MT= 65 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 2712. %



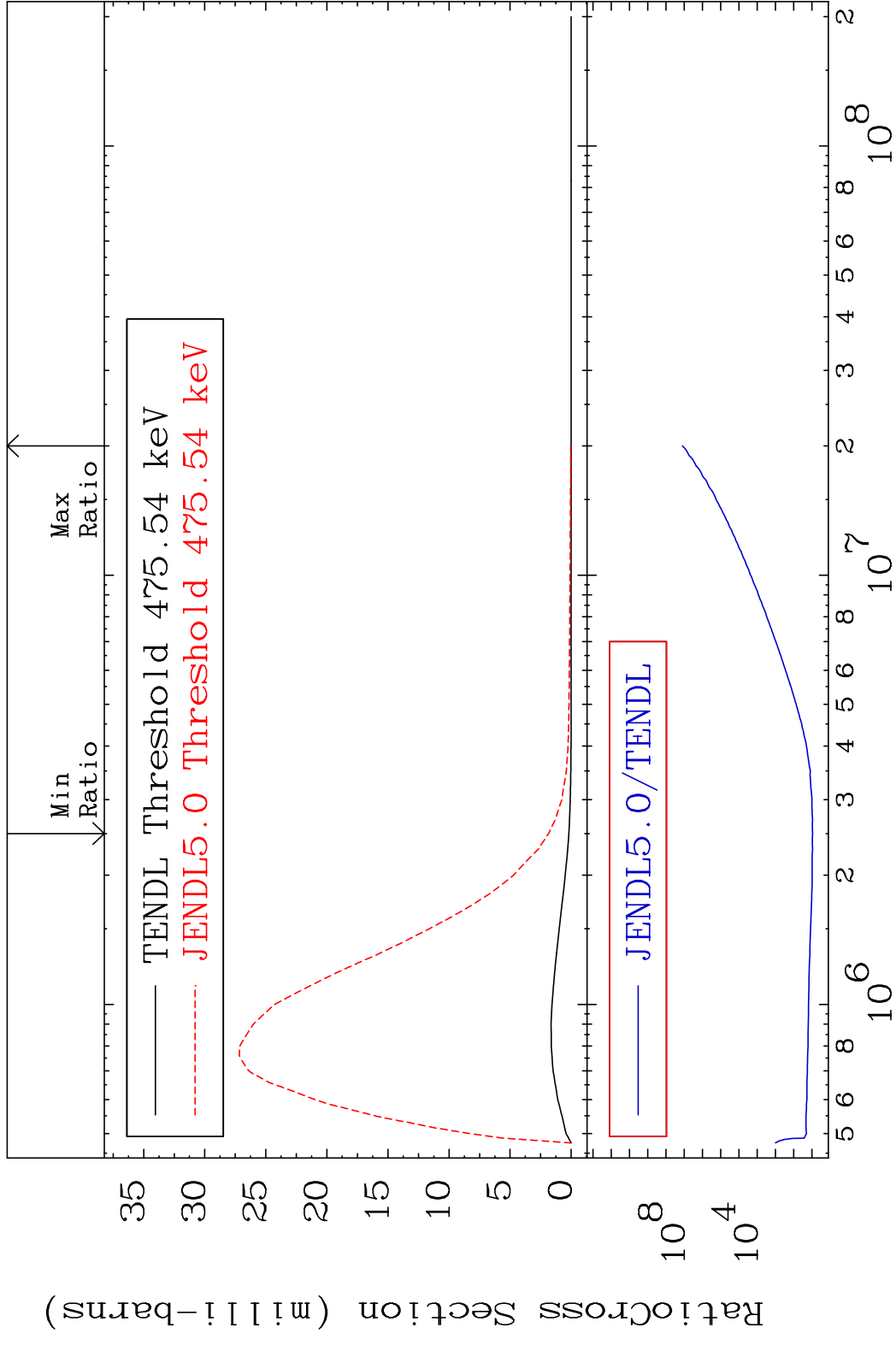
MAT 9431 MT= 66 (n,n') Level 94-Pu-237
 Cross Section -7.496 To 7058. %



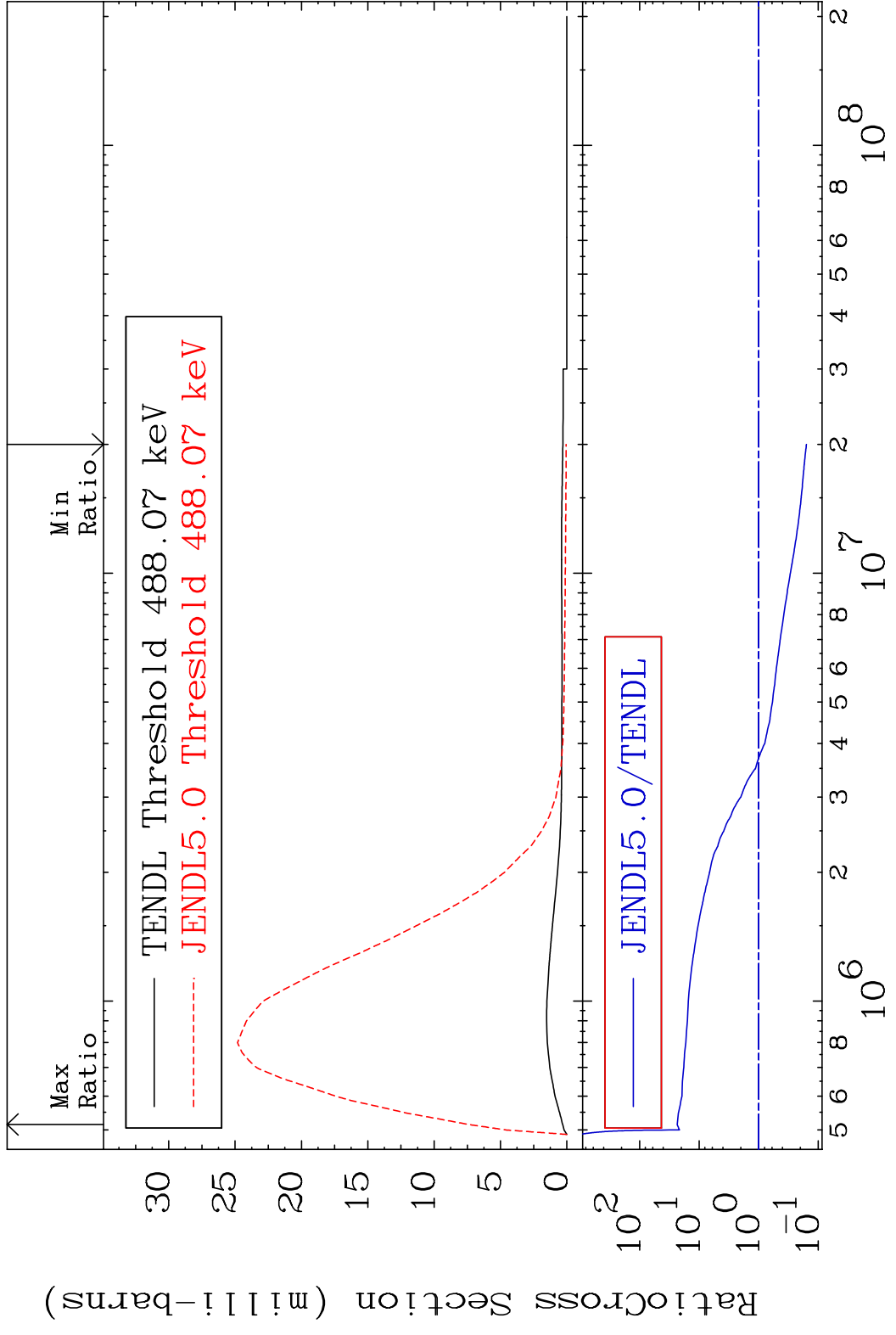
MAT 9431 MT= 67 (n, n') Level 94-Pu-237
 Cross Section -73.47 To 2687. %



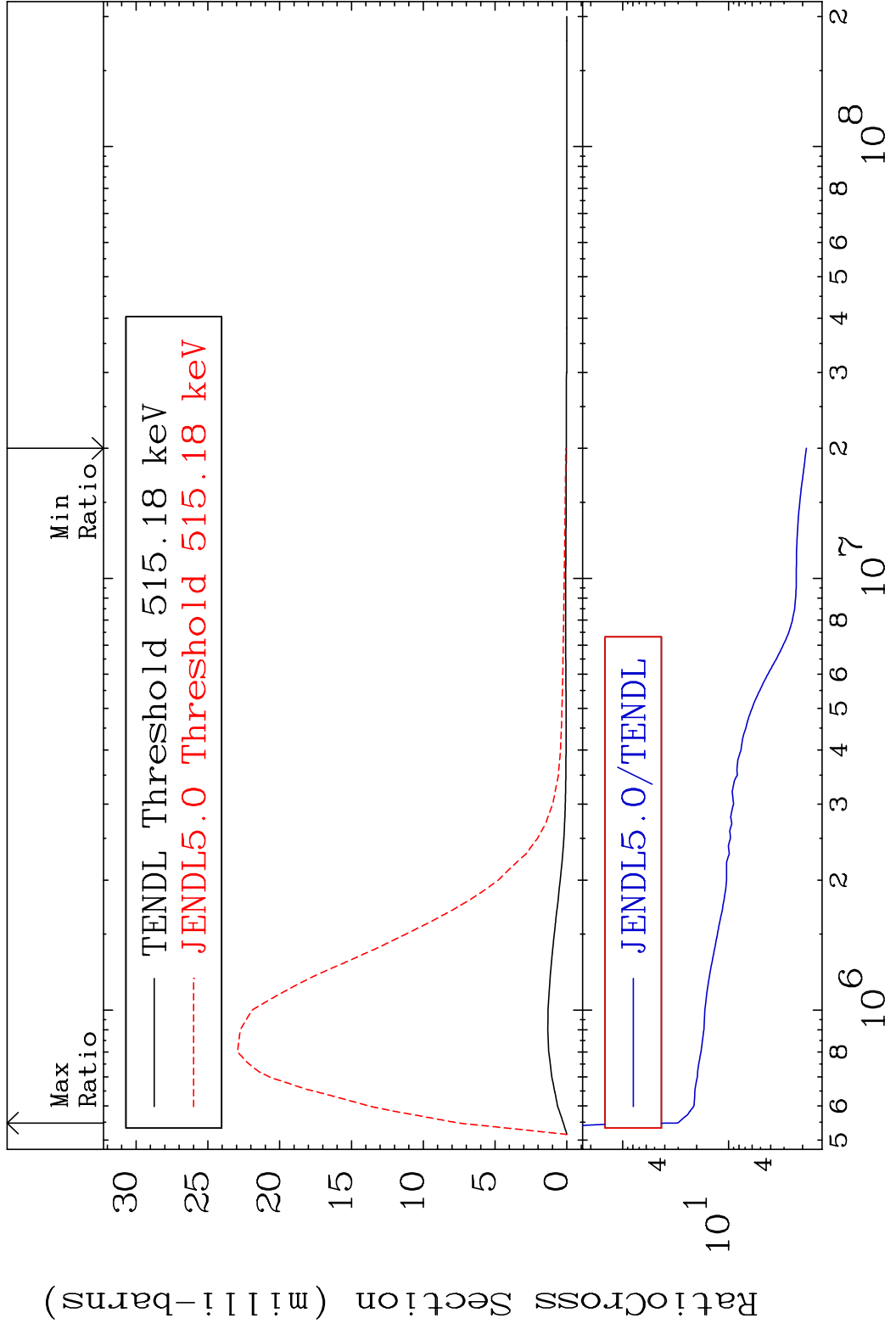
MAT 9431 MT= 68 (n, n') Level 94-Pu-237
 Cross Section 827.7 To 9999. %



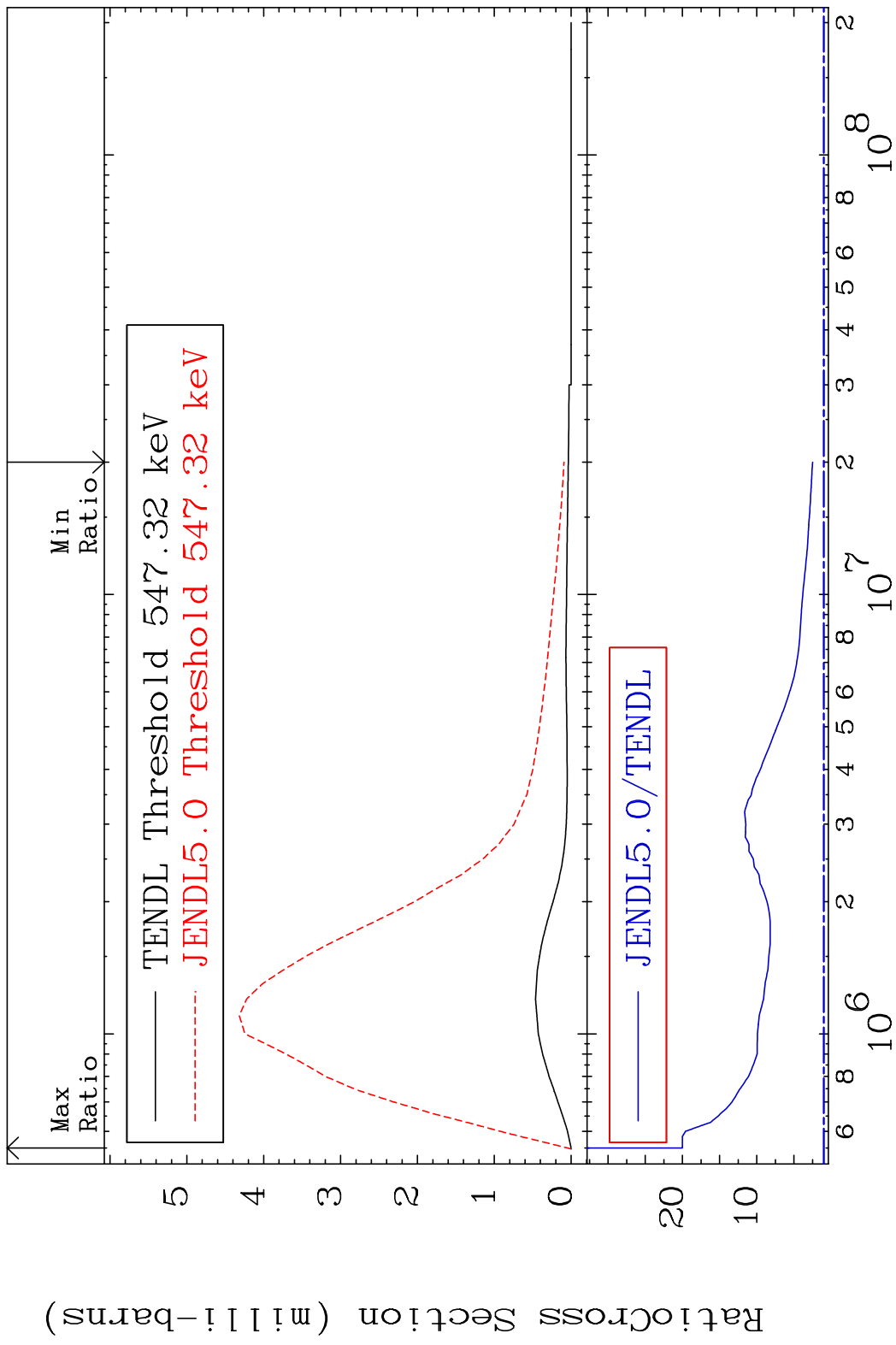
MAT 9431 MT= 69 (n, n') Level 94-Pu-237
 Cross Section -84.16 To 2238. %



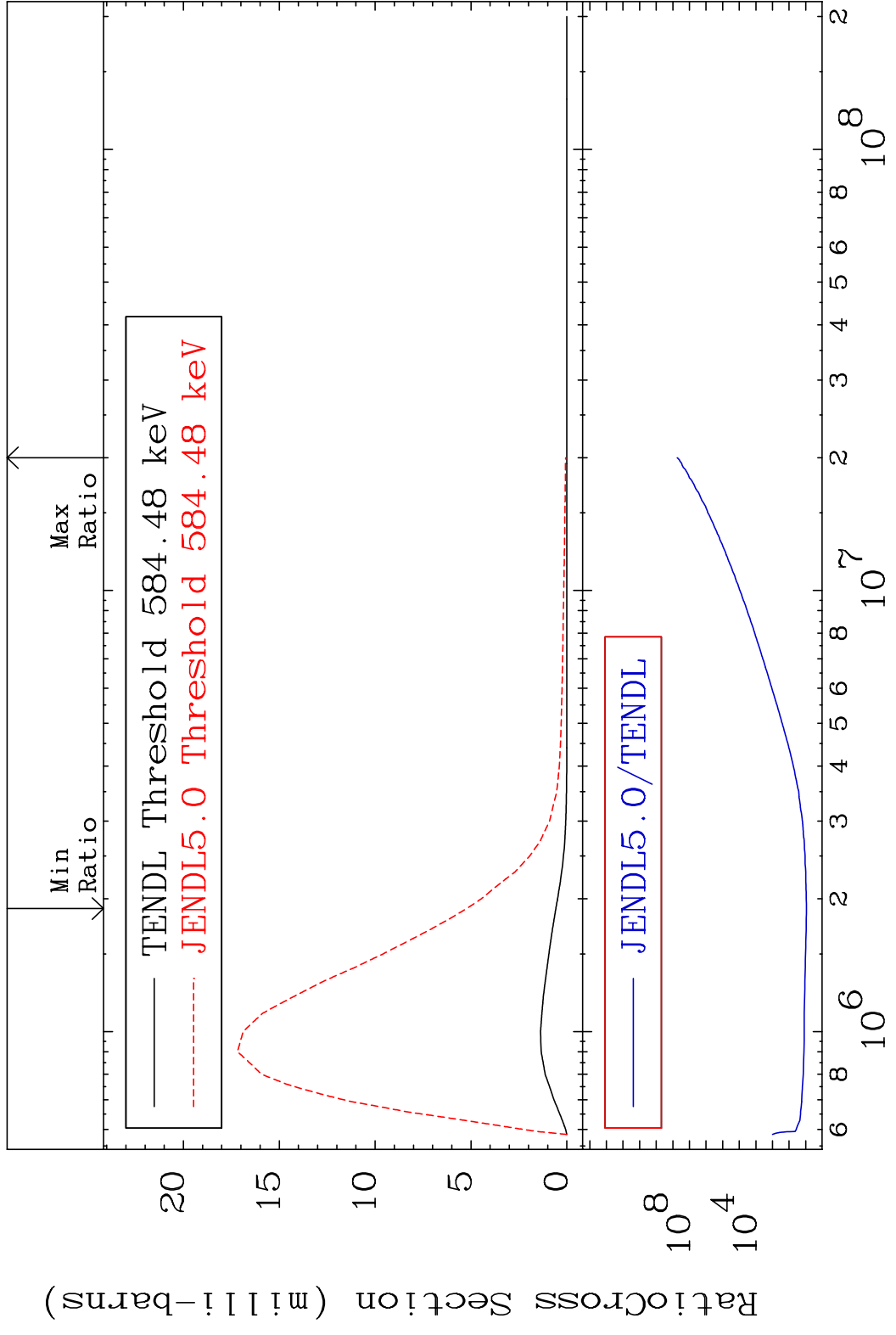
MAT 9431 MT= 70 (n,n') Level 94-Pu-237
 Cross Section 84.41 To 2960. %



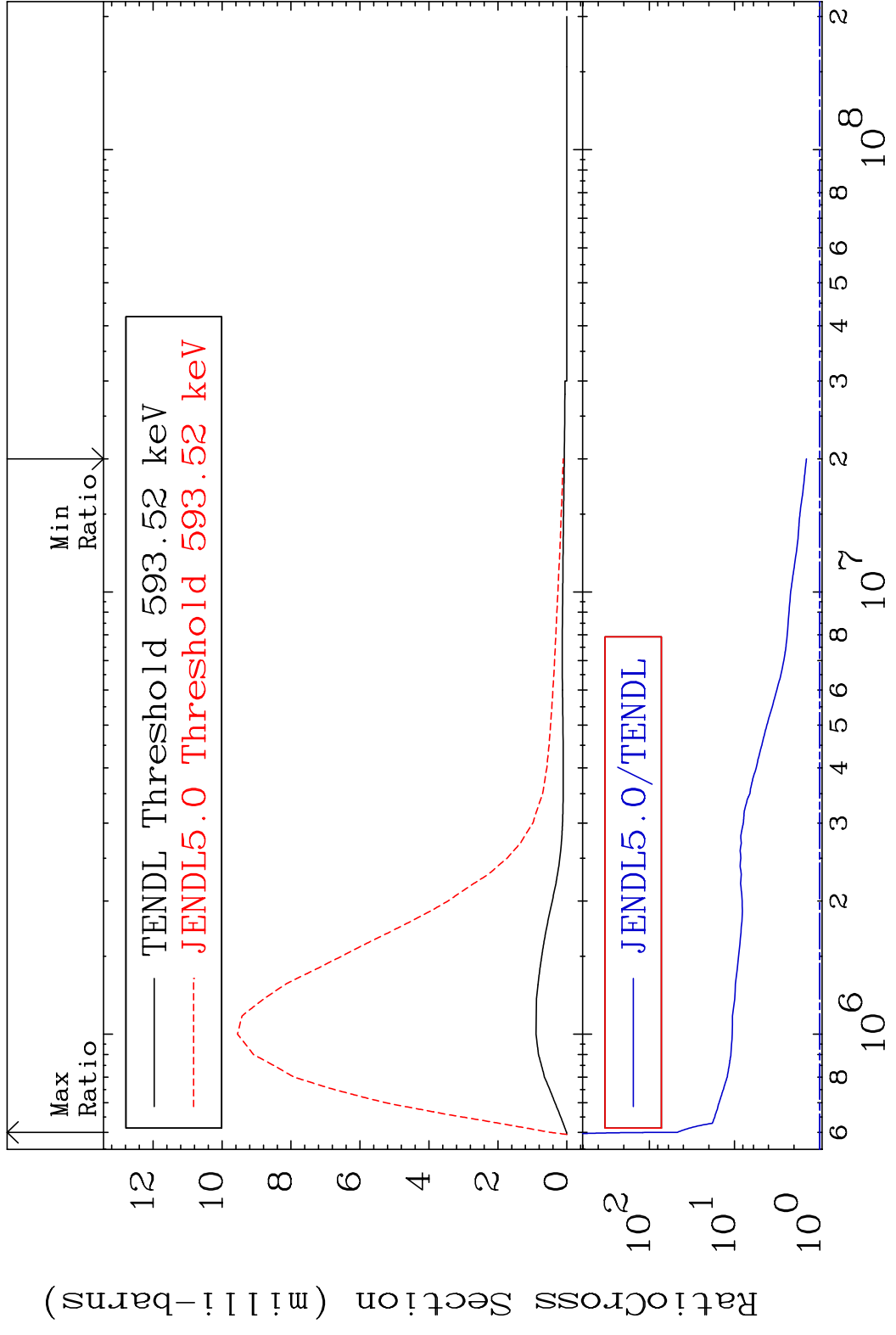
MAT 9431 MT= 71 (n, n') Level 94-Pu-237
 Cross Section 150.5 To 1901. %



MAT 9431 MT= 72 (n, n') Level 94-Pu-237
 Cross Section 810.8 To 9999. %



MAT 9431 MT= 73 (n, n') Level 94-Pu-237
 Cross Section 43.42 To 4622. %

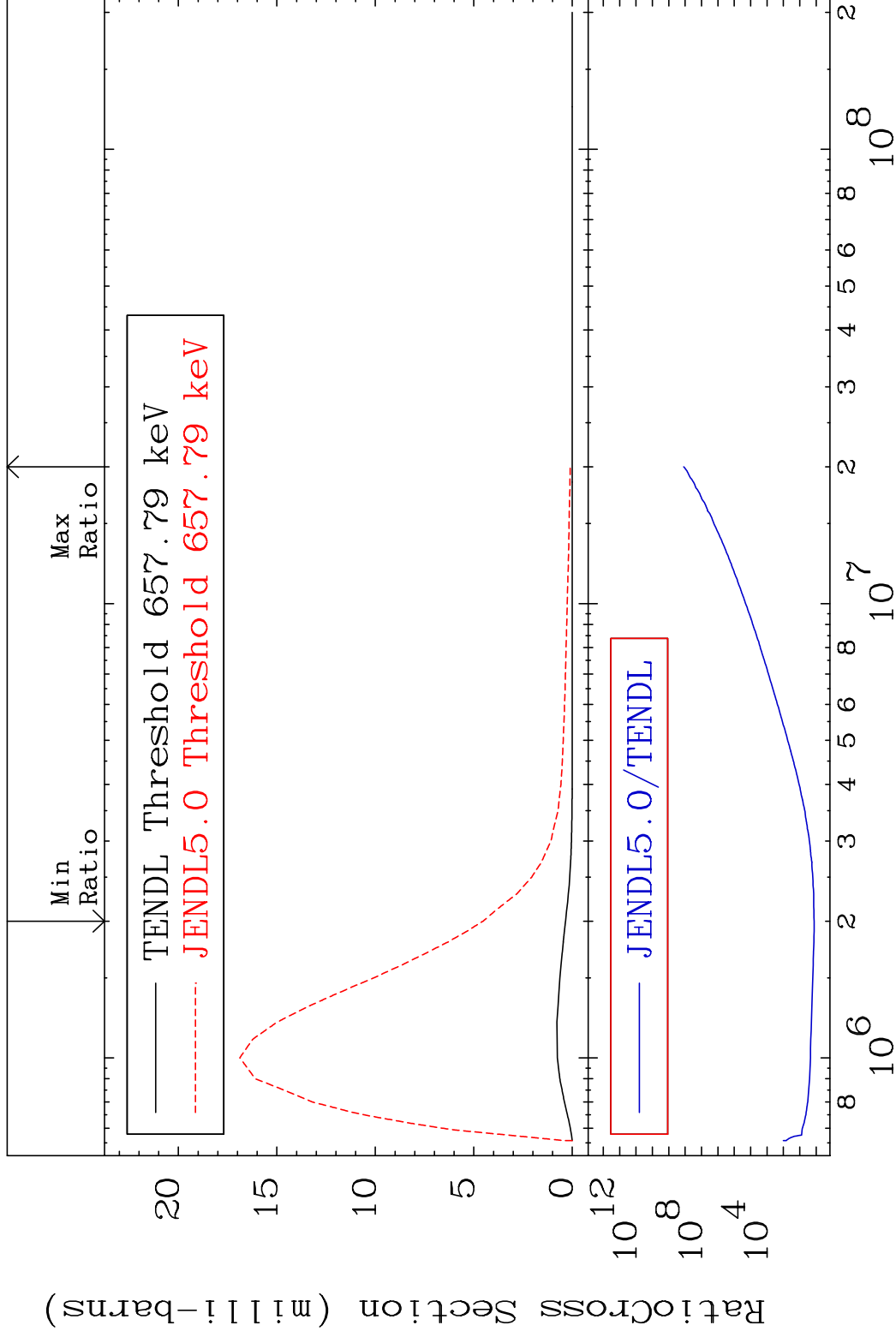


MAT 9431

MT= 74 (n, n') Level

94-Pu-237

Cross Section 1228. To 9999. %

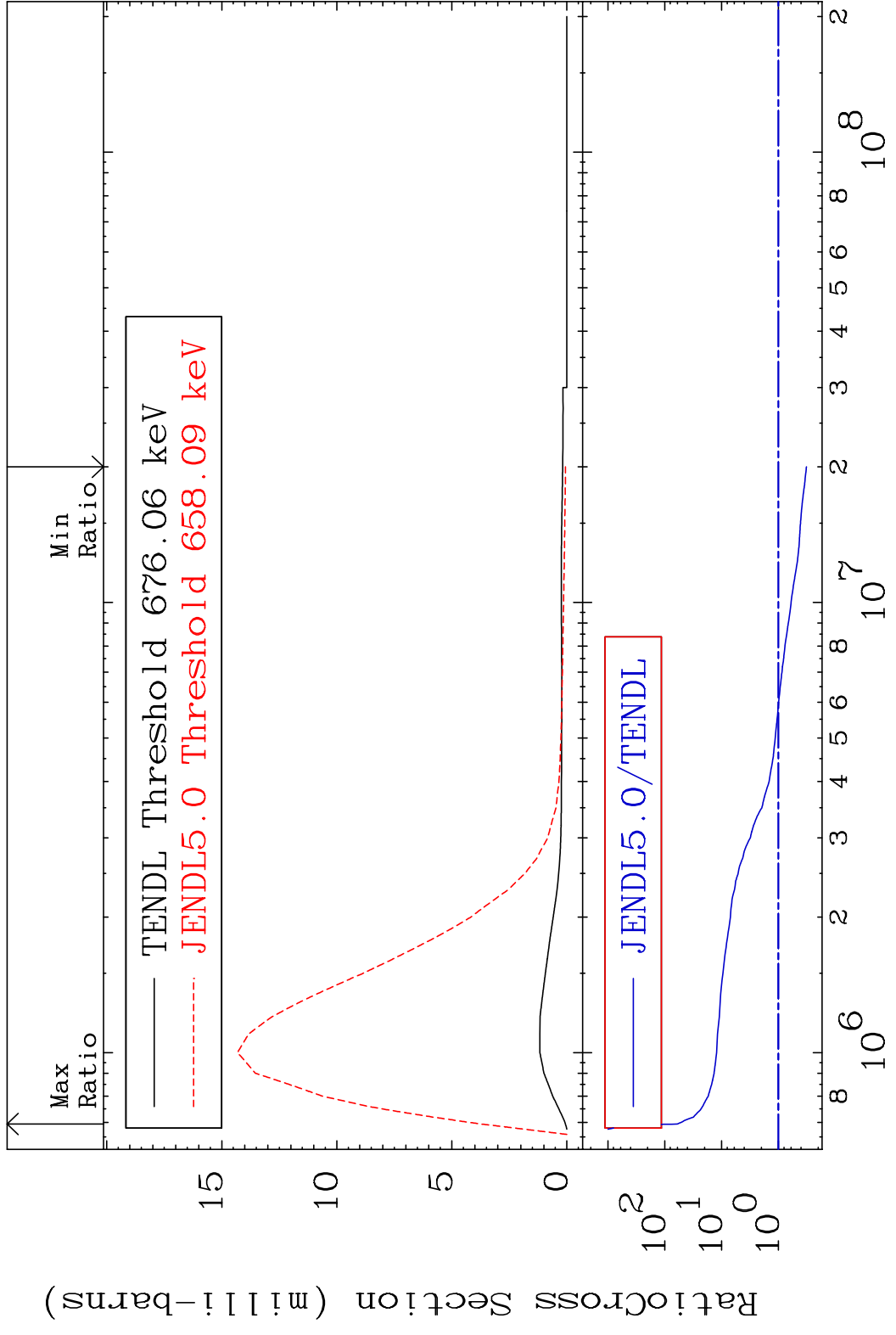


30

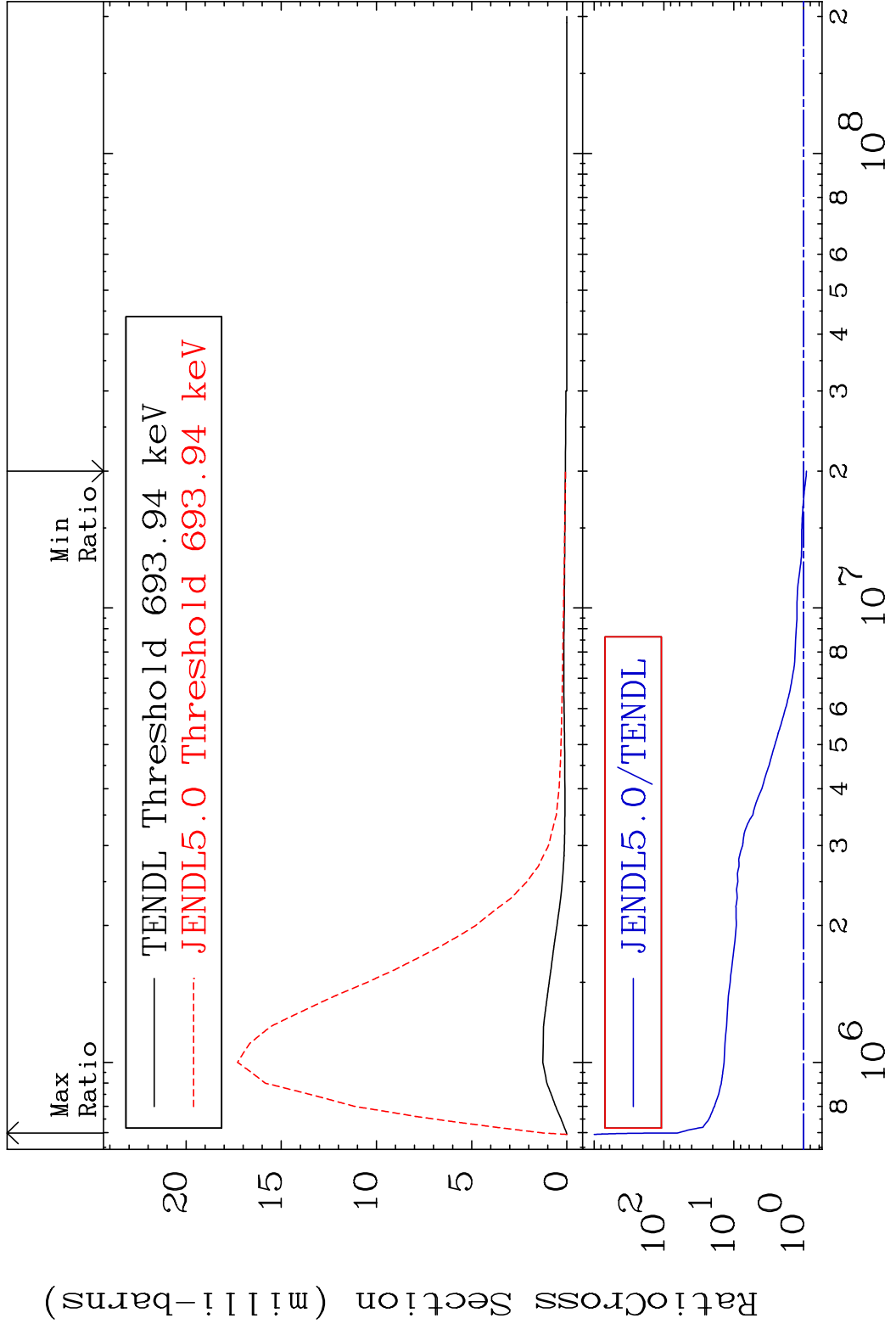
Incident Energy (eV)

94-Pu-237

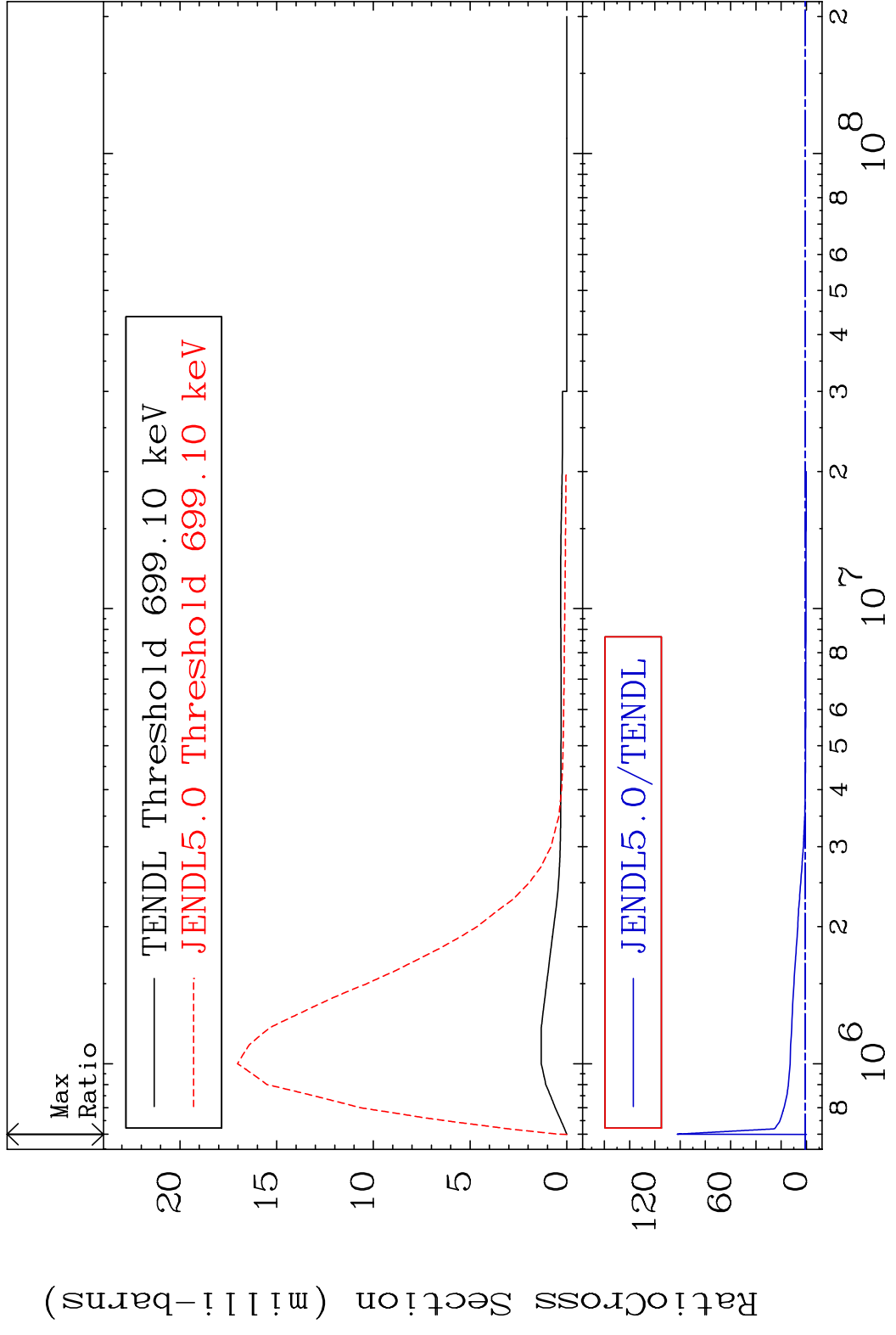
MAT 9431 MT= 75 (n, n') Level 94-Pu-237
 Cross Section -67.71 To 5950. %



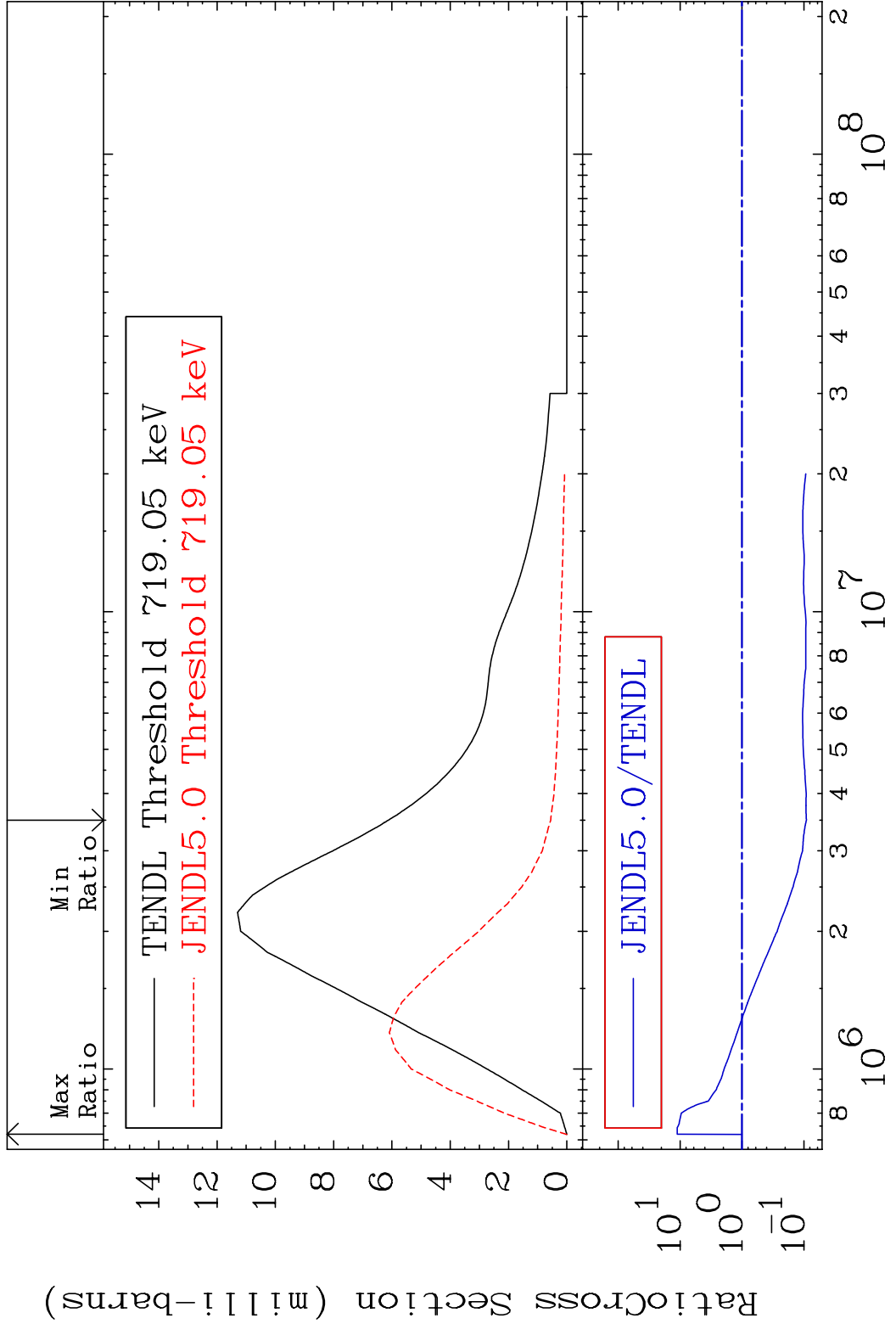
MAT 9431 MT= 76 (n,n') Level 94-Pu-237
 Cross Section -9.038 To 6360. %



MAT 9431 MT= 77 (n,n') Level 94-Pu-237
 Cross Section -100.0 To 9999. %



MAT 9431 MT= 78 (n,n') Level 94-Pu-237
 Cross Section -90.90 To 1014. %

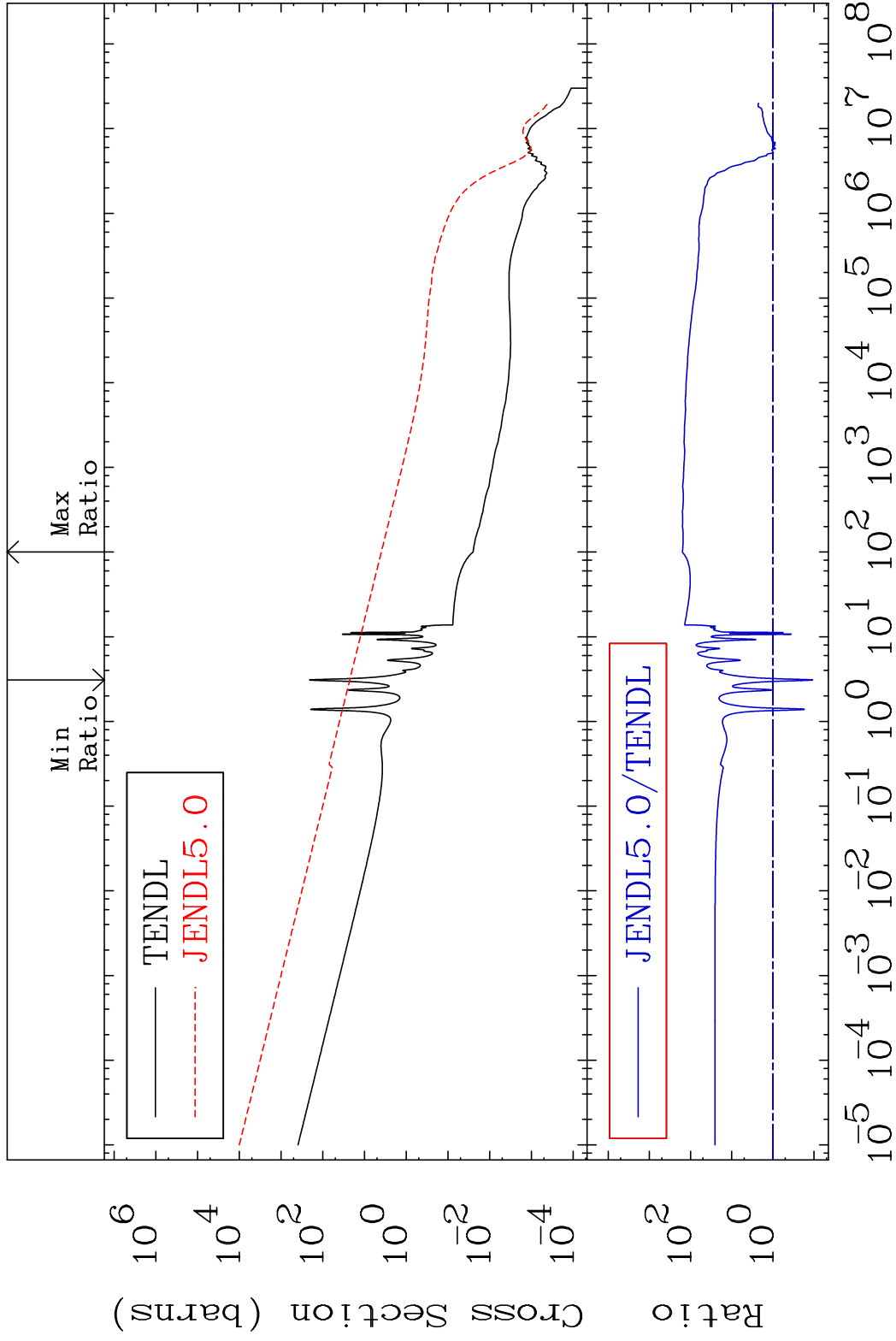


MAT 9431

(n, γ)

94-Pu-237

Cross Section -89.13 To 9999. %



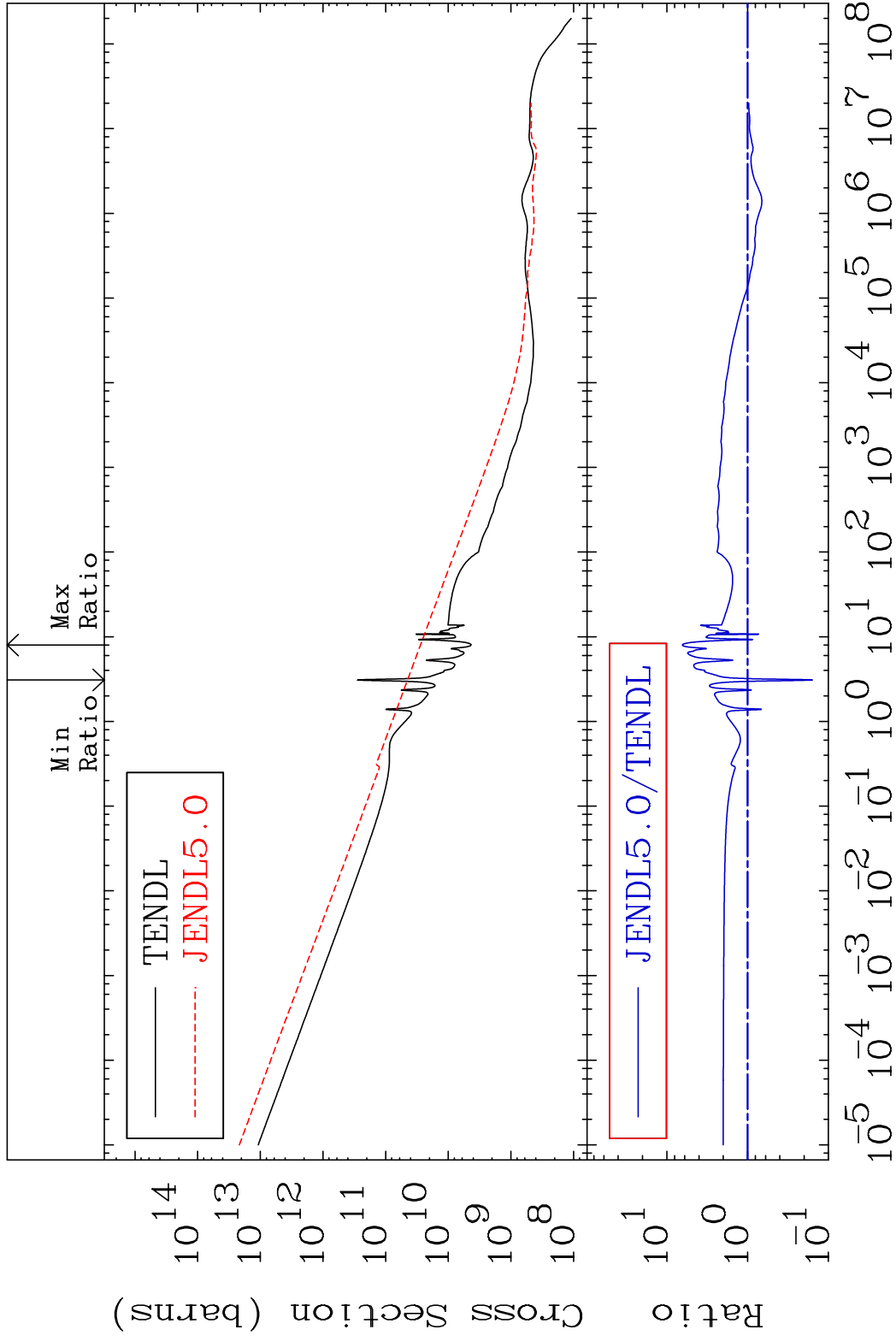
36

Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma total (eV-barns) 94-Pu-237
Cross Section -84.30 To 542.0 %



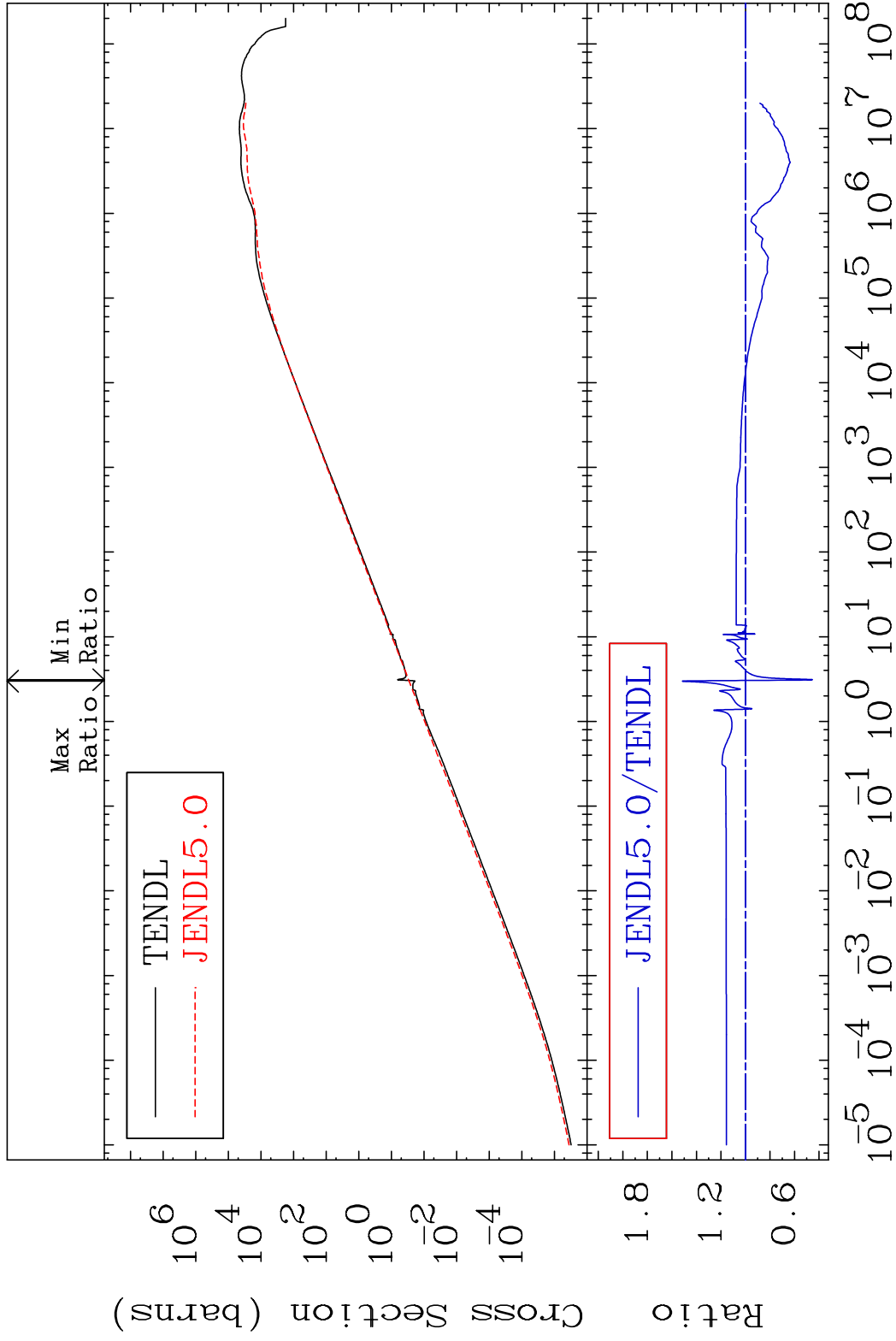
37

Incident Energy (eV)

94-Pu-237

MAT 9431

Kerma elastic 94-Pu-237
Cross Section -54.72 To 51.48 %

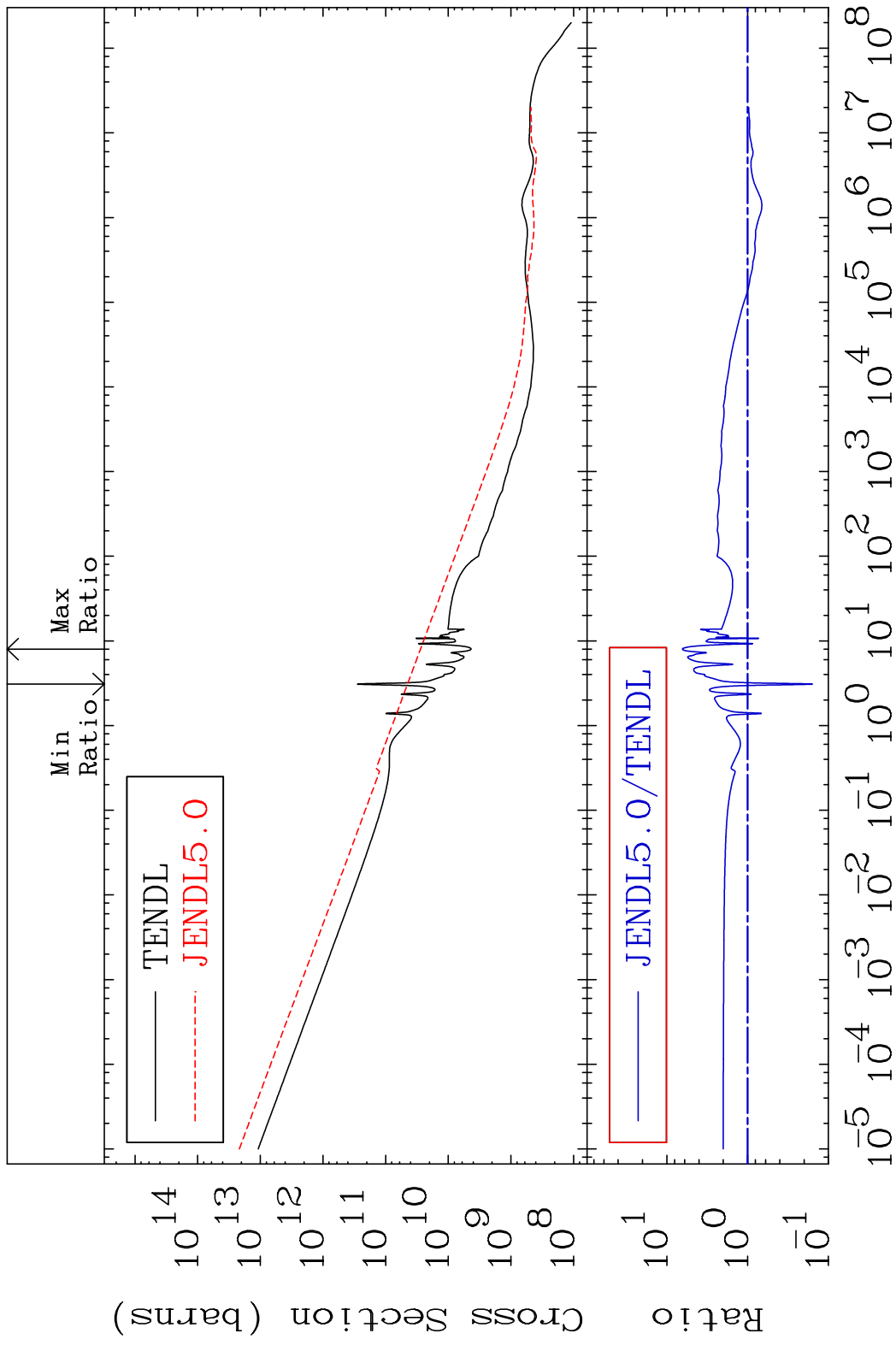


38

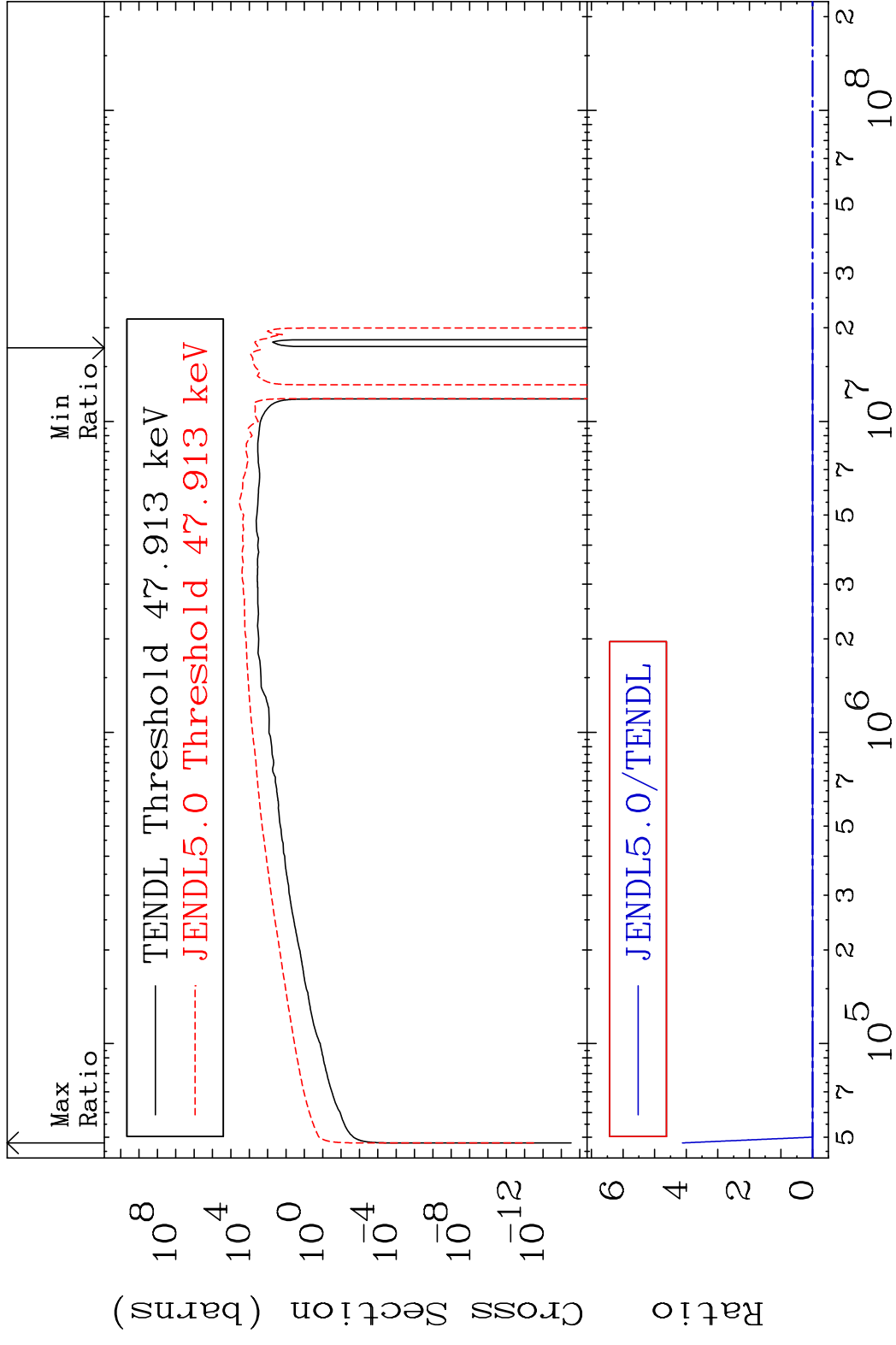
Incident Energy (eV)

94-Pu-237

MAT 9431 Kerma non-elastic (all but mt2) 94-Pu-237
 Cross Section -84.30 To 542.0 %

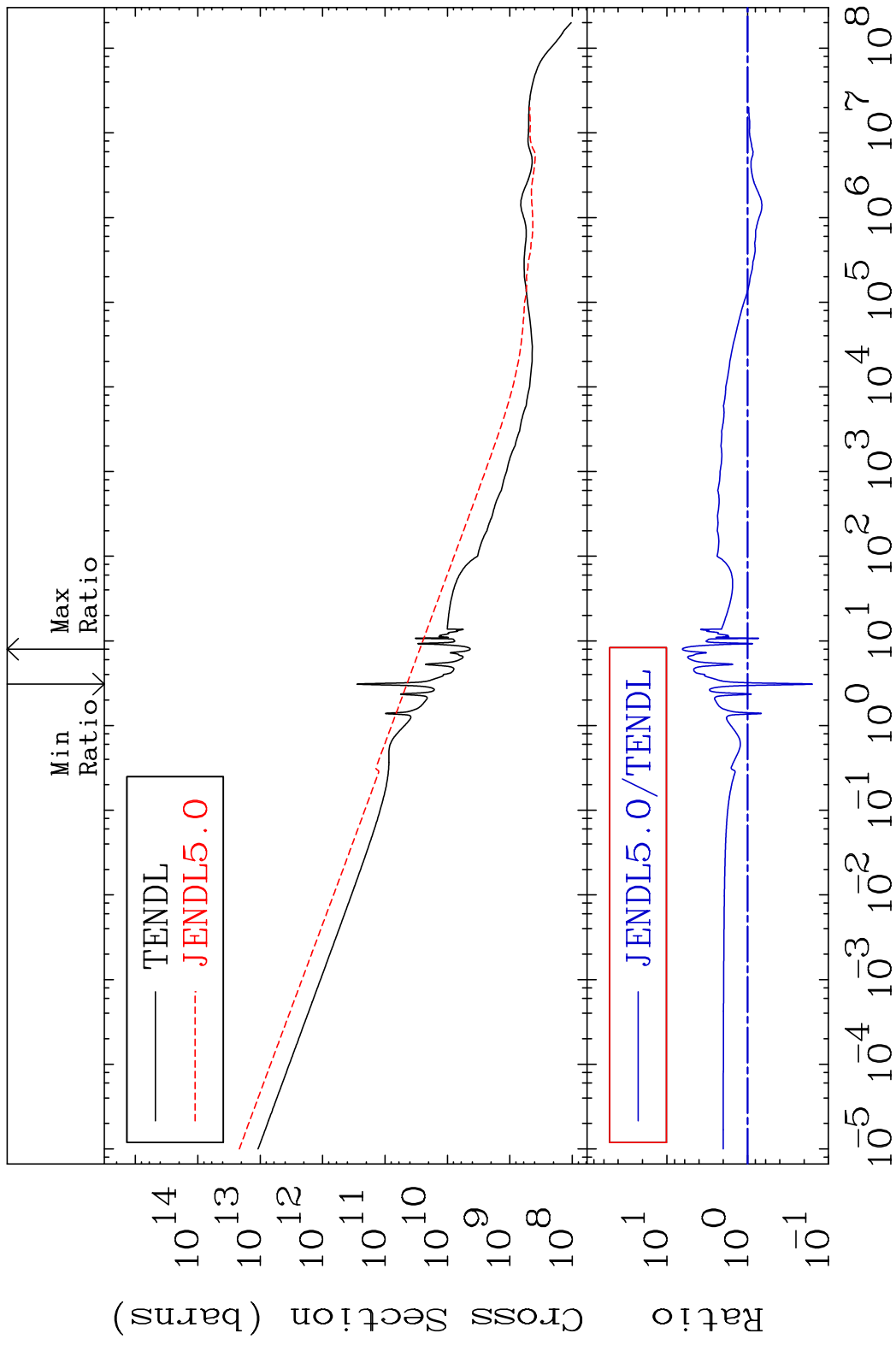


MAT 9431 Kerma inelastic (mt51-91) 94-Pu-237
 Cross Section -2767. To 9999. %



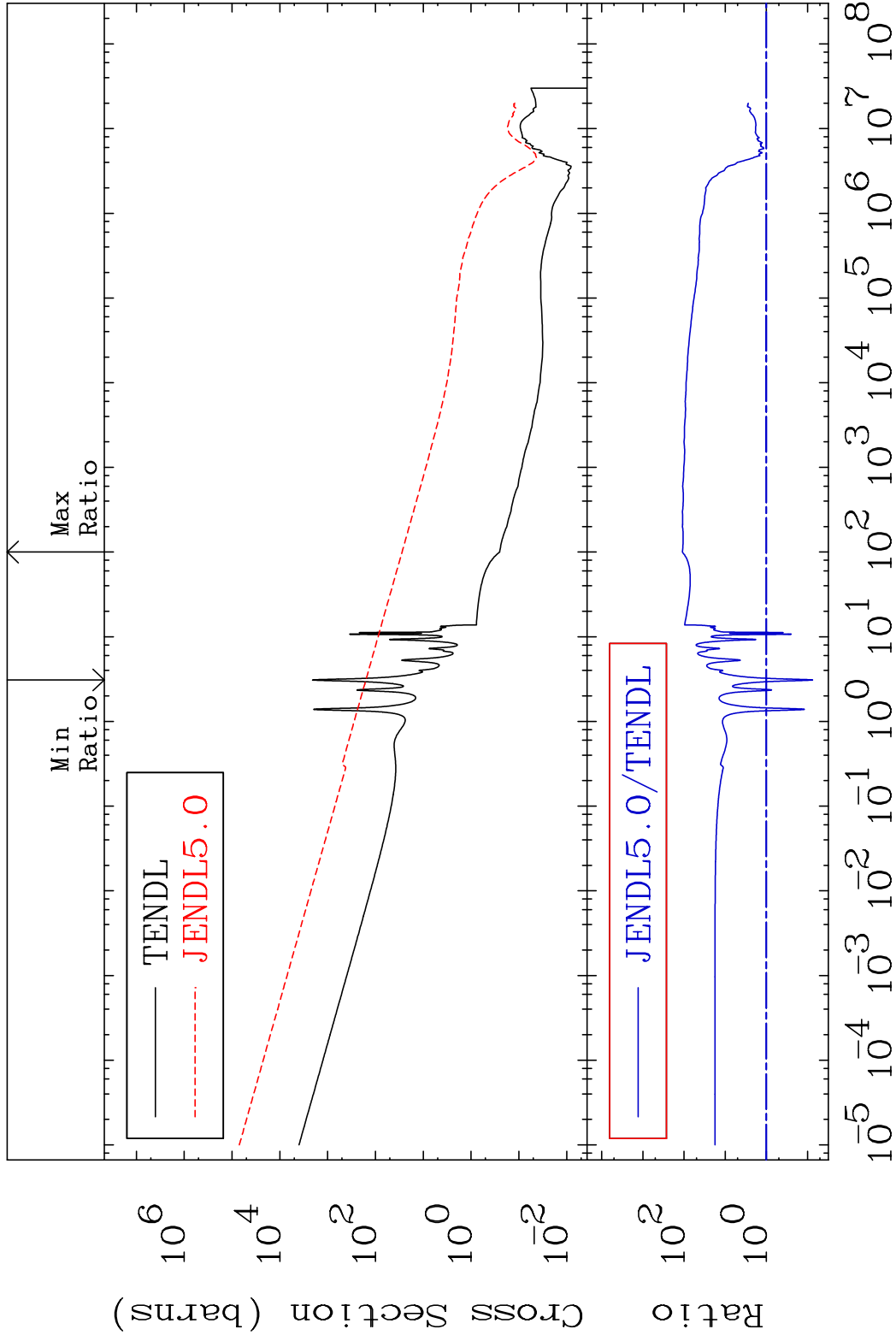
40 Incident Energy (eV) 94-Pu-237

MAT 9431 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-237
 Cross Section -84.30 To 542.0 %



MAT 9431

Kerma capture (mt102) 94-Pu-237
Cross Section -92.44 To 9999. %



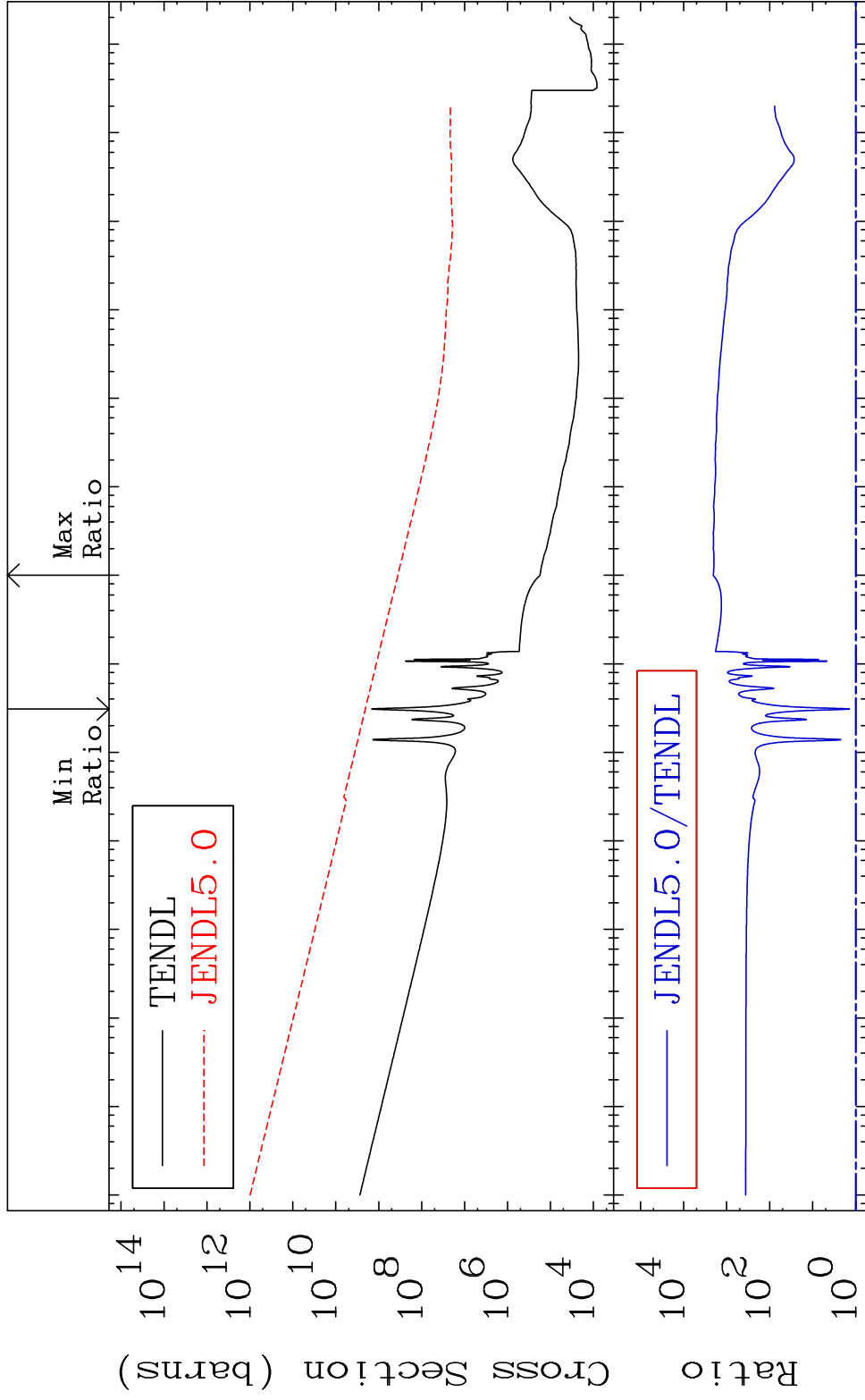
42

Incident Energy (eV) 94-Pu-237

MAT 9431

Total photon (eV-barns) 94-Pu-237

Cross Section 41.14 To 9999. %

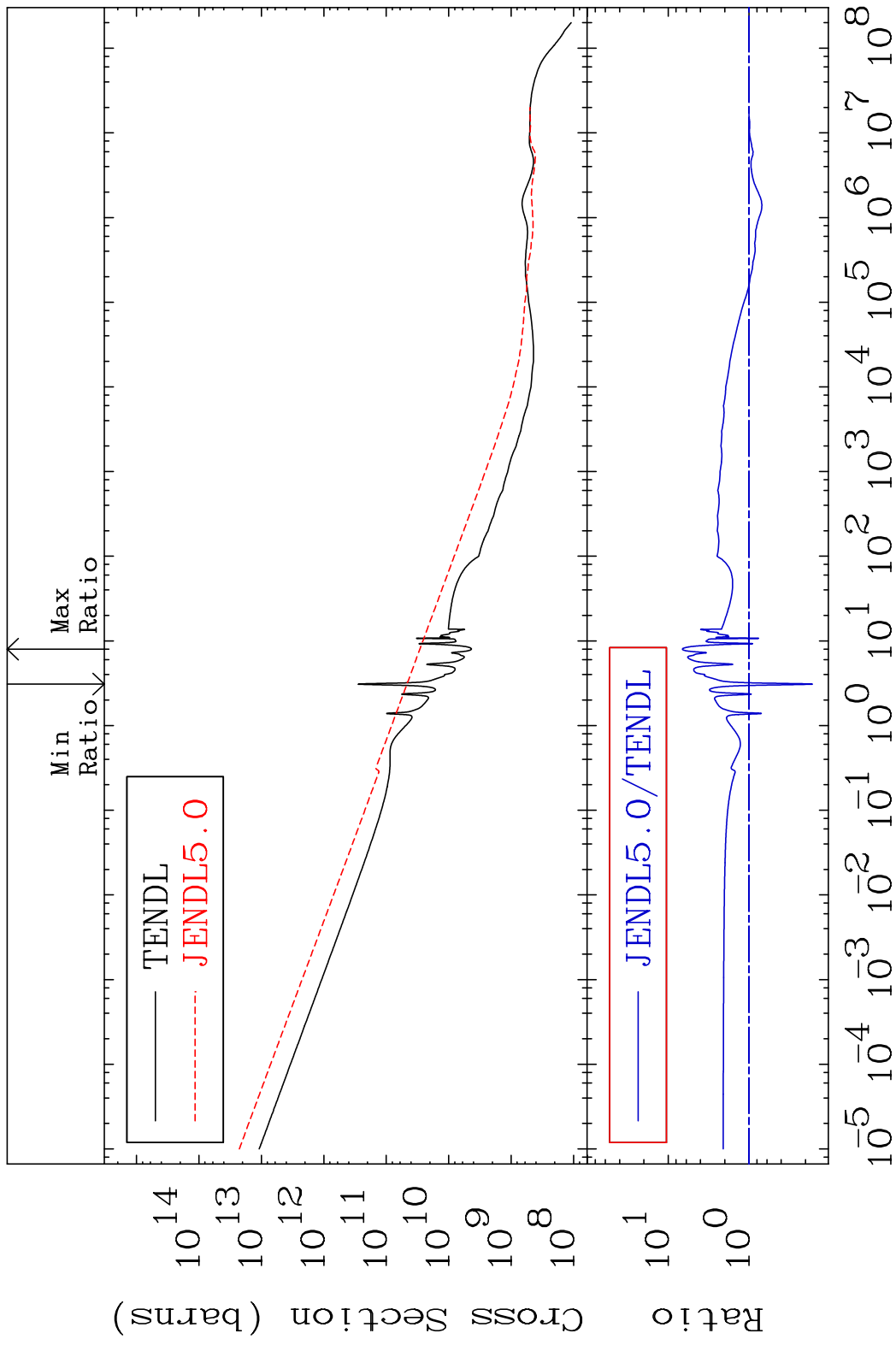


43

Incident Energy (eV)

94-Pu-237

MAT 9431 Total kinematic kerma (high limit) 94-Pu-237
 Cross Section -83.63 To 569.2 %

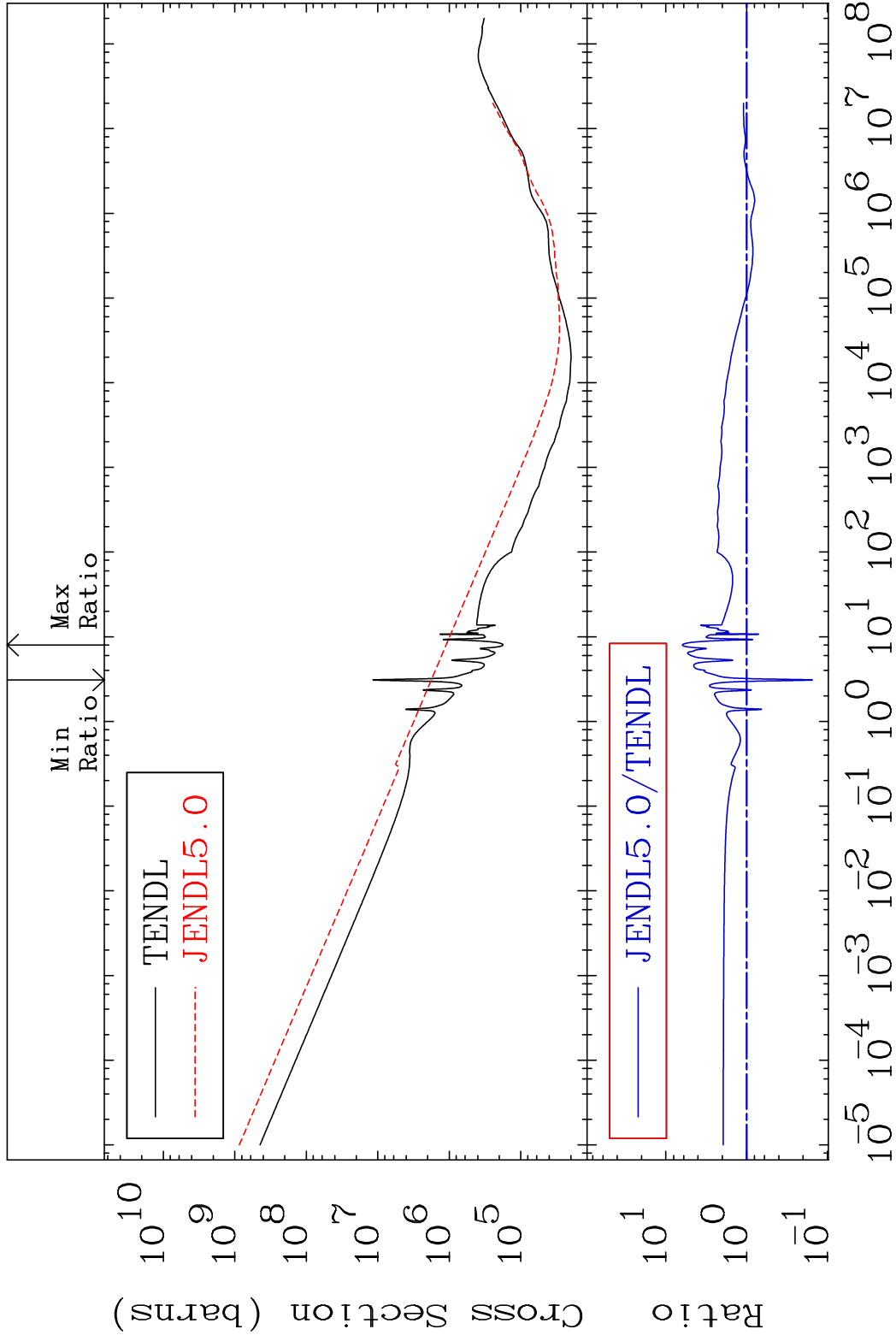


MAT 9431

Dpa total (eV-barns)

94-Pu-237

Cross Section -84.73 To 524.5 %



45

Incident Energy (eV)

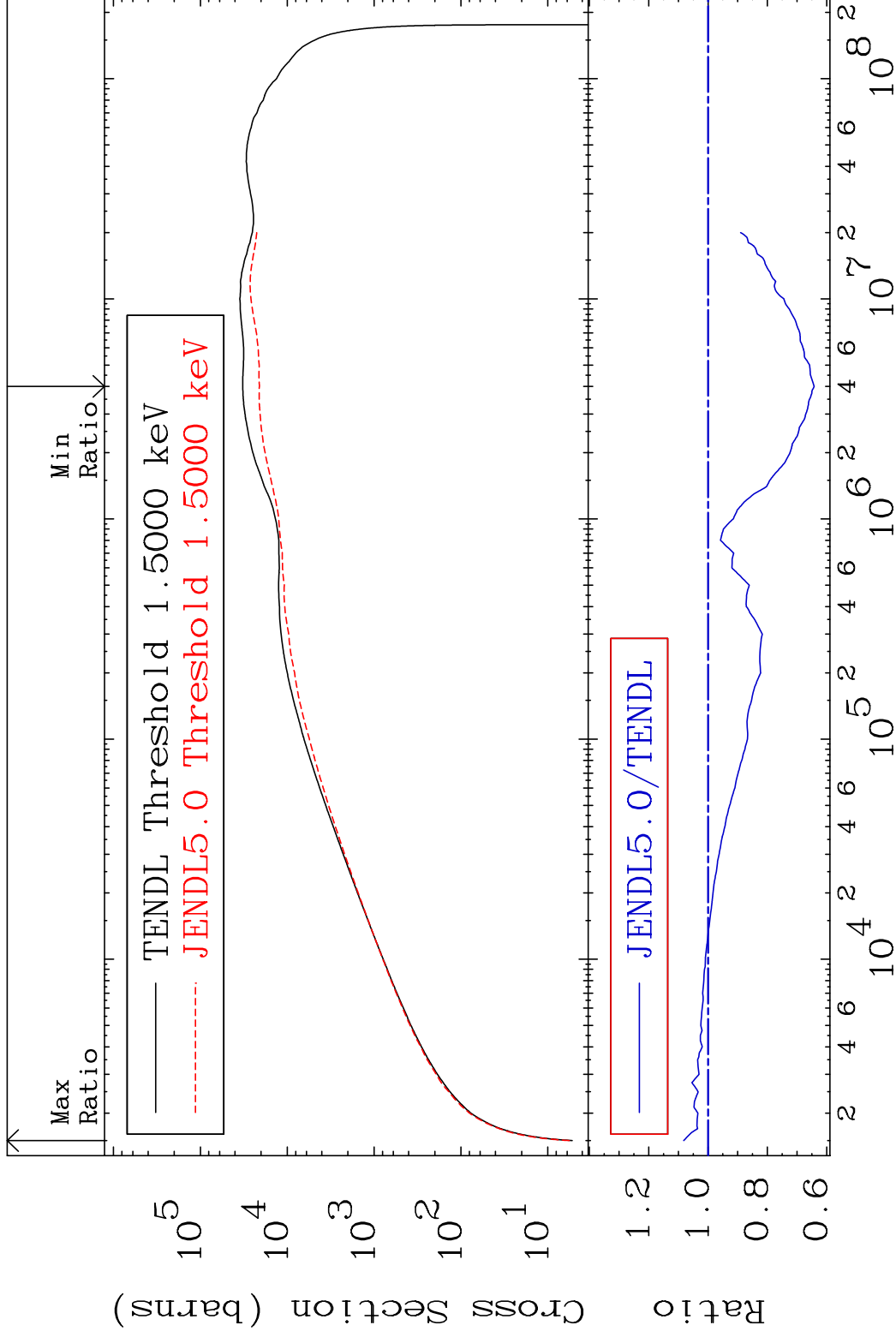
94-Pu-237

MAT 9431

Dpa elastic (mt2)

94-Pu-237

Cross Section -35.76 To 8.225 %

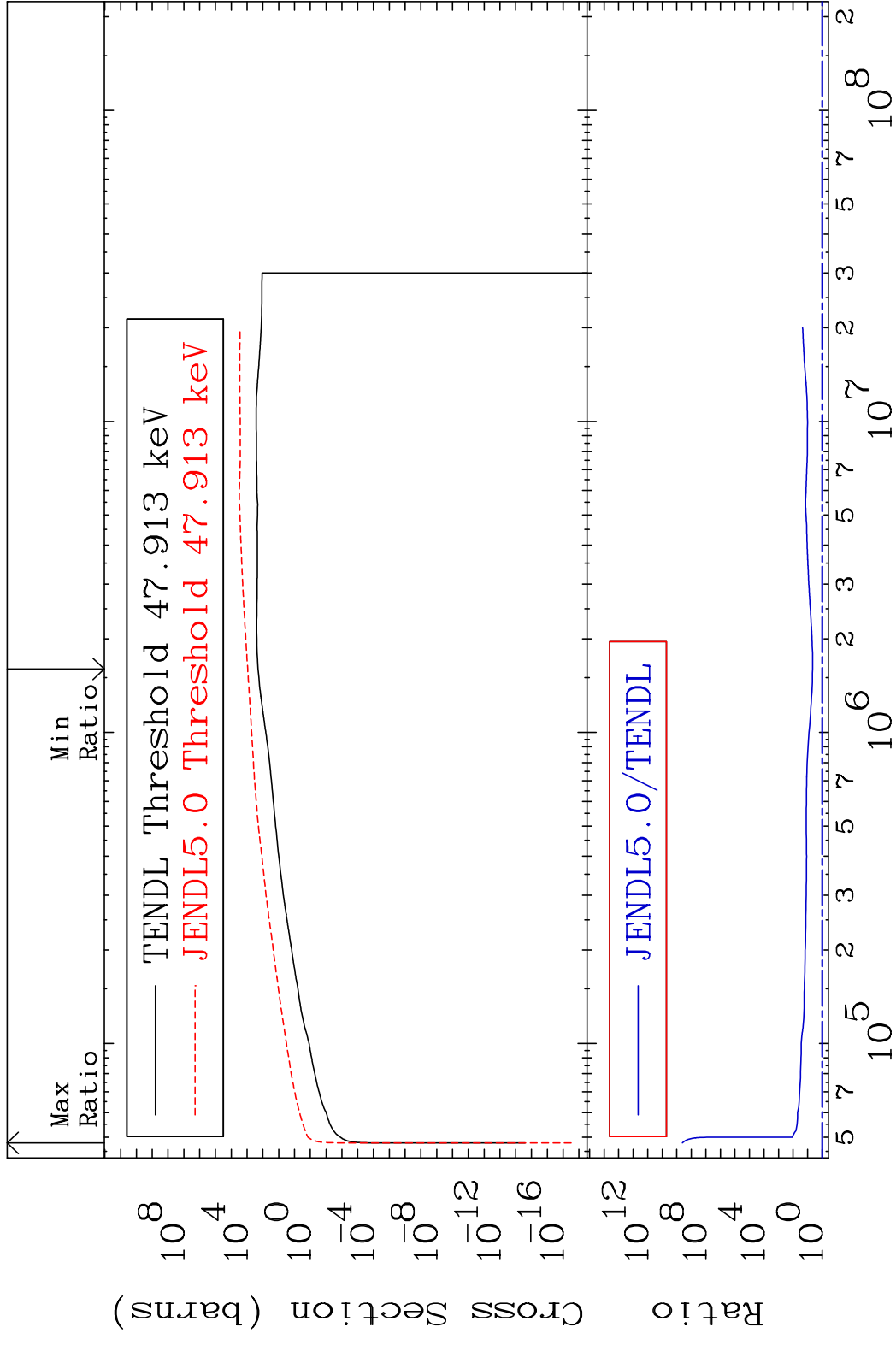


46

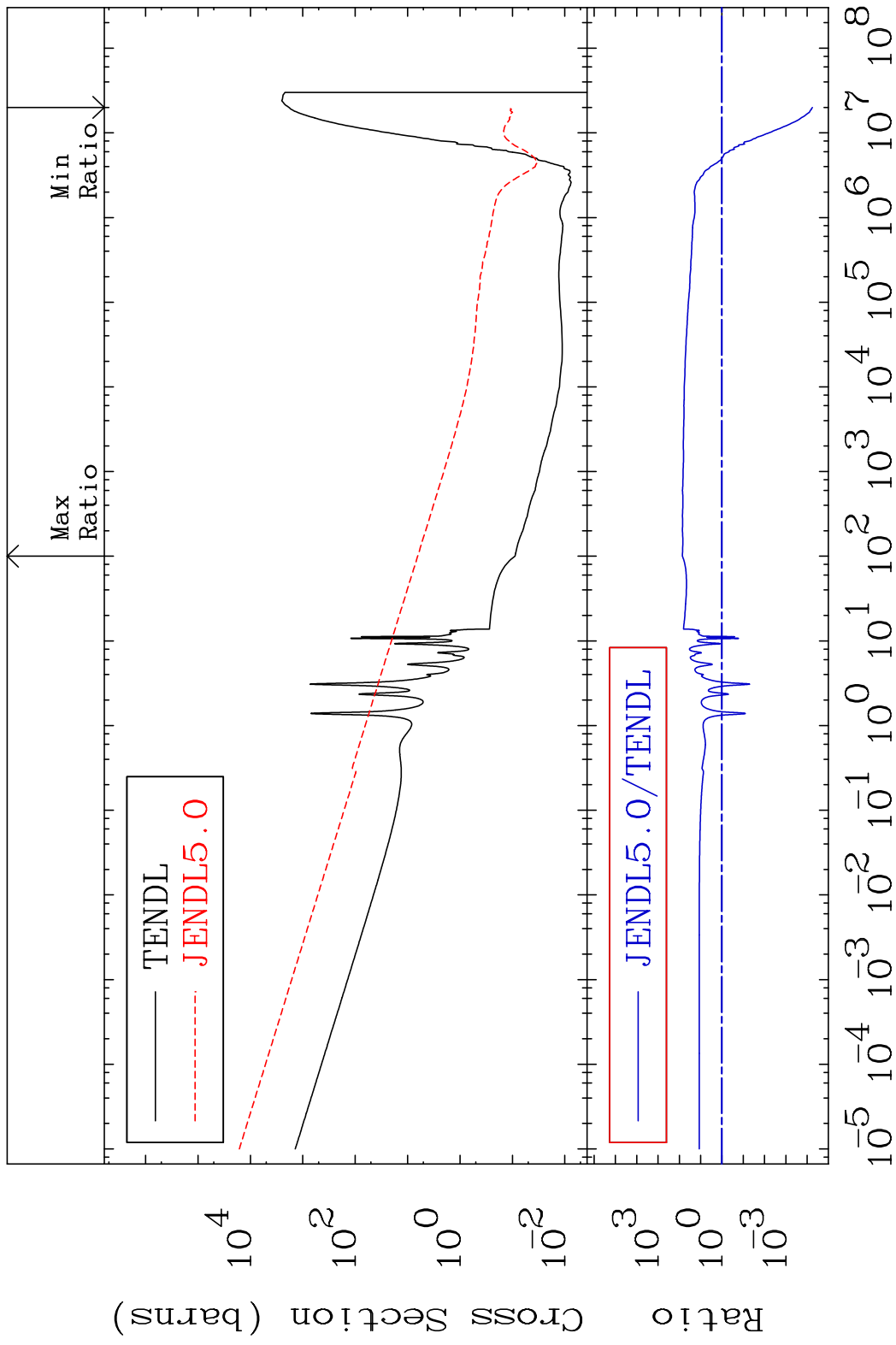
Incident Energy (eV)

94-Pu-237

MAT 9431 Dpa inelastic (mt51-91) 94-Pu-237
 Cross Section 354.8 To 9999. %



MAT 9431 Dpa disappearance (mt102 -120) 94-Pu-237
 Cross Section -99.99 To 7120. %

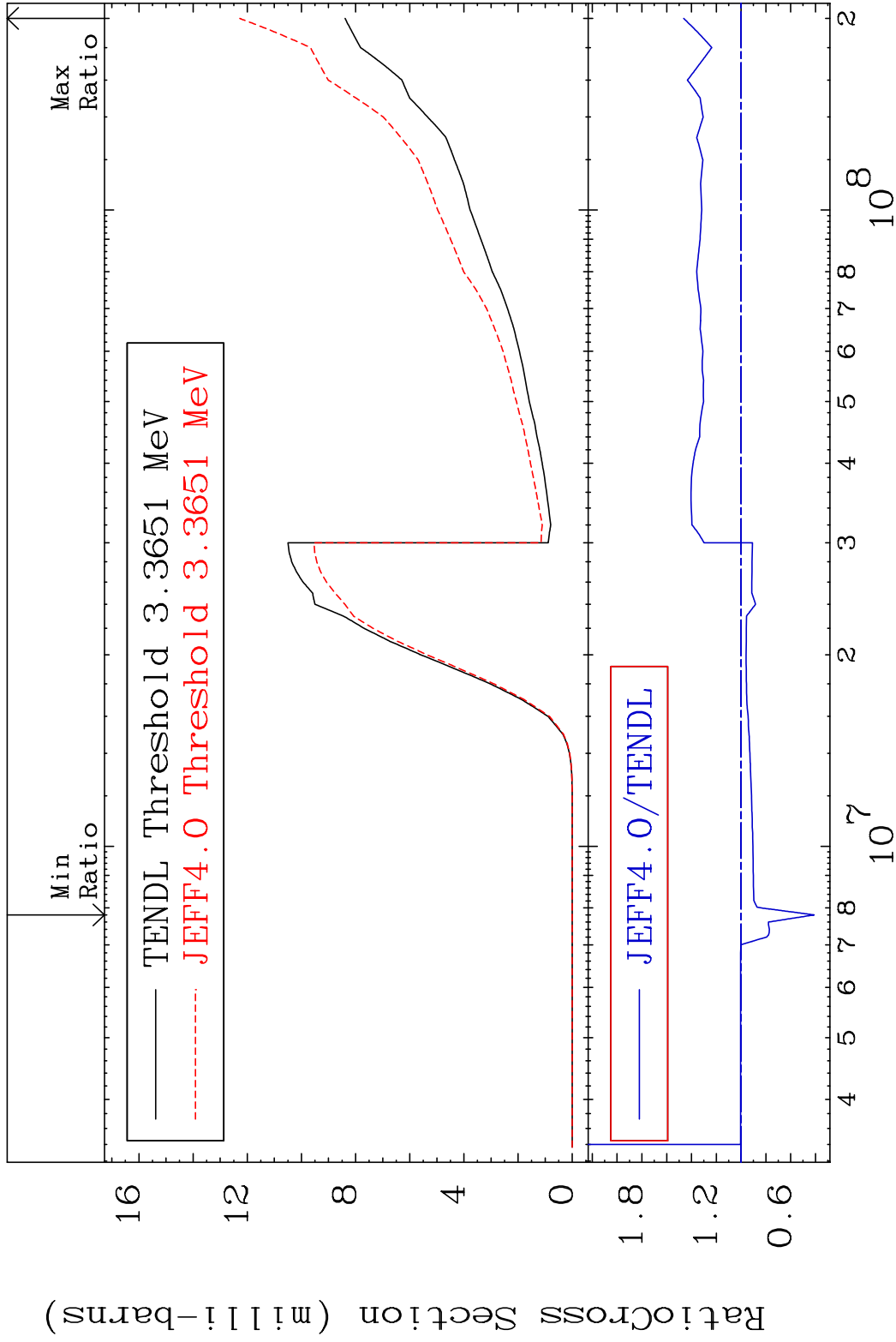


MAT 9431

Deuterium Production

94-Pu-237

Cross Section -58.90 To 46.30 %



49

Incident Energy (eV)

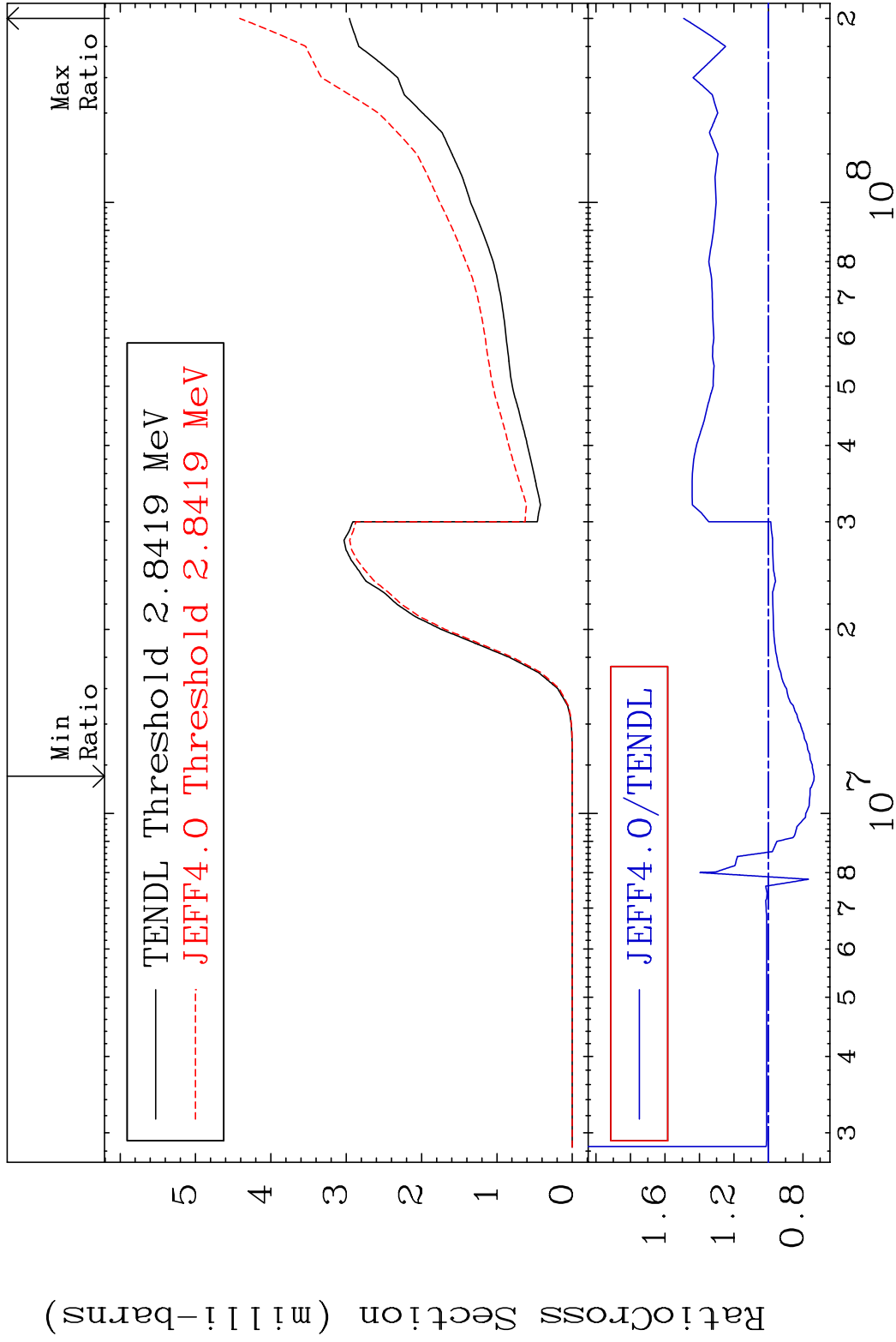
94-Pu-237

MAT 9431

Tritium Production

⁹⁴Pu-237

Cross Section -26.51 To 49.16 %



50

Incident Energy (eV)

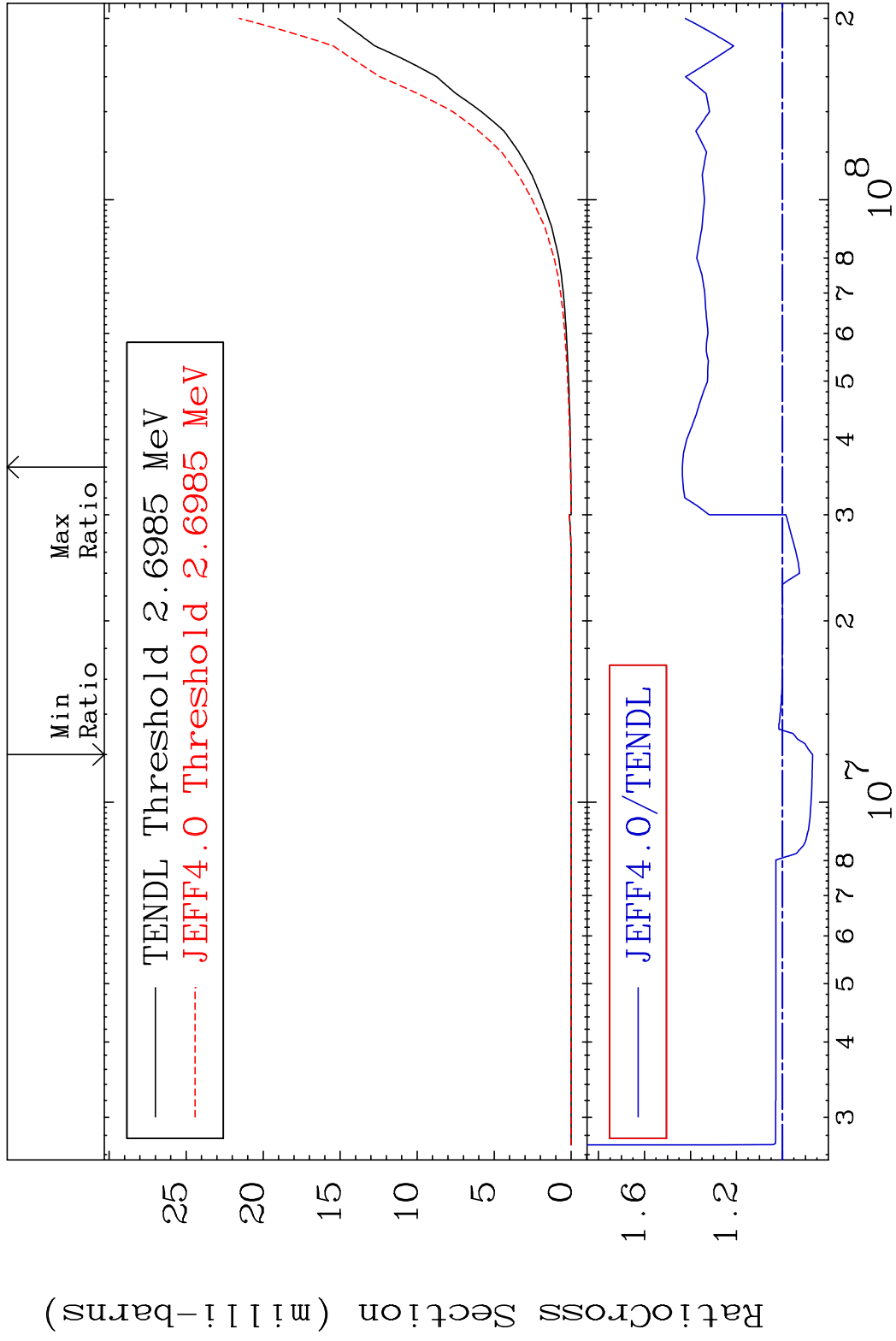
⁹⁴Pu-237

MAT 9431

He-3 Production

94-Pu-237

Cross Section -13.07 To 43.54 %



51

Incident Energy (eV)

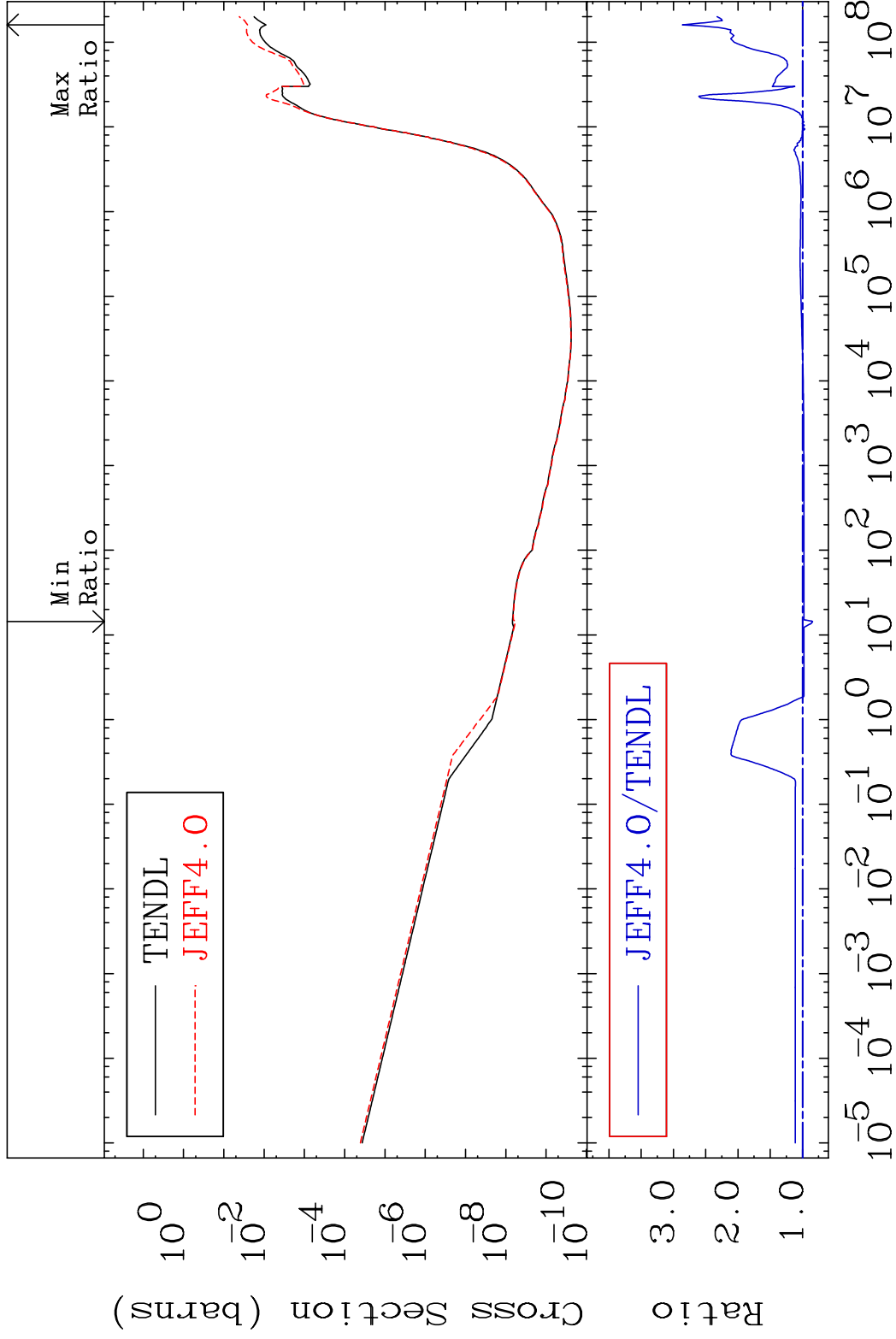
94-Pu-237

MAT 9431

He-4 Production

94-Pu-237

Cross Section -15.57 To 186.2 %



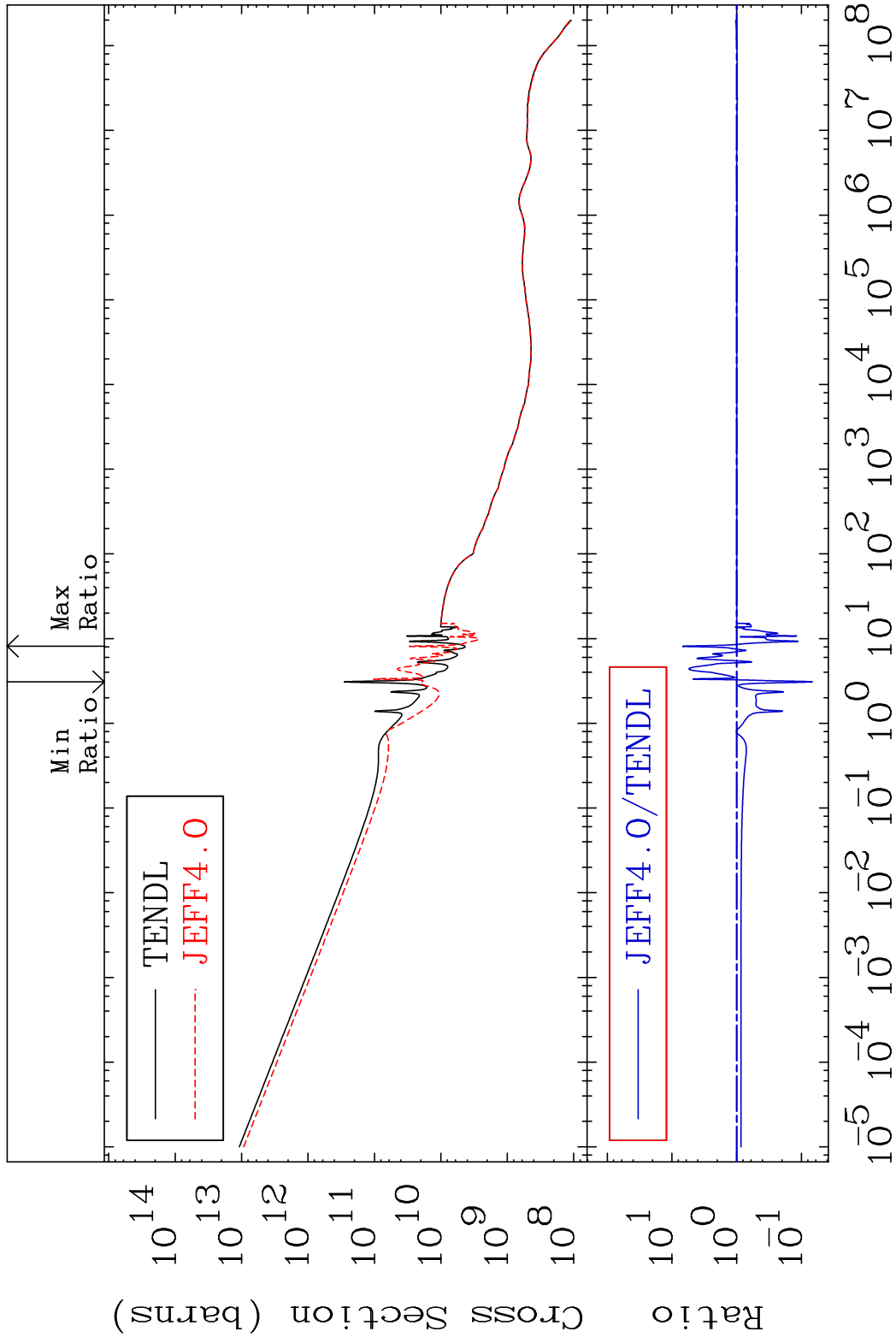
52

Incident Energy (eV)

94-Pu-237

MAT 9431

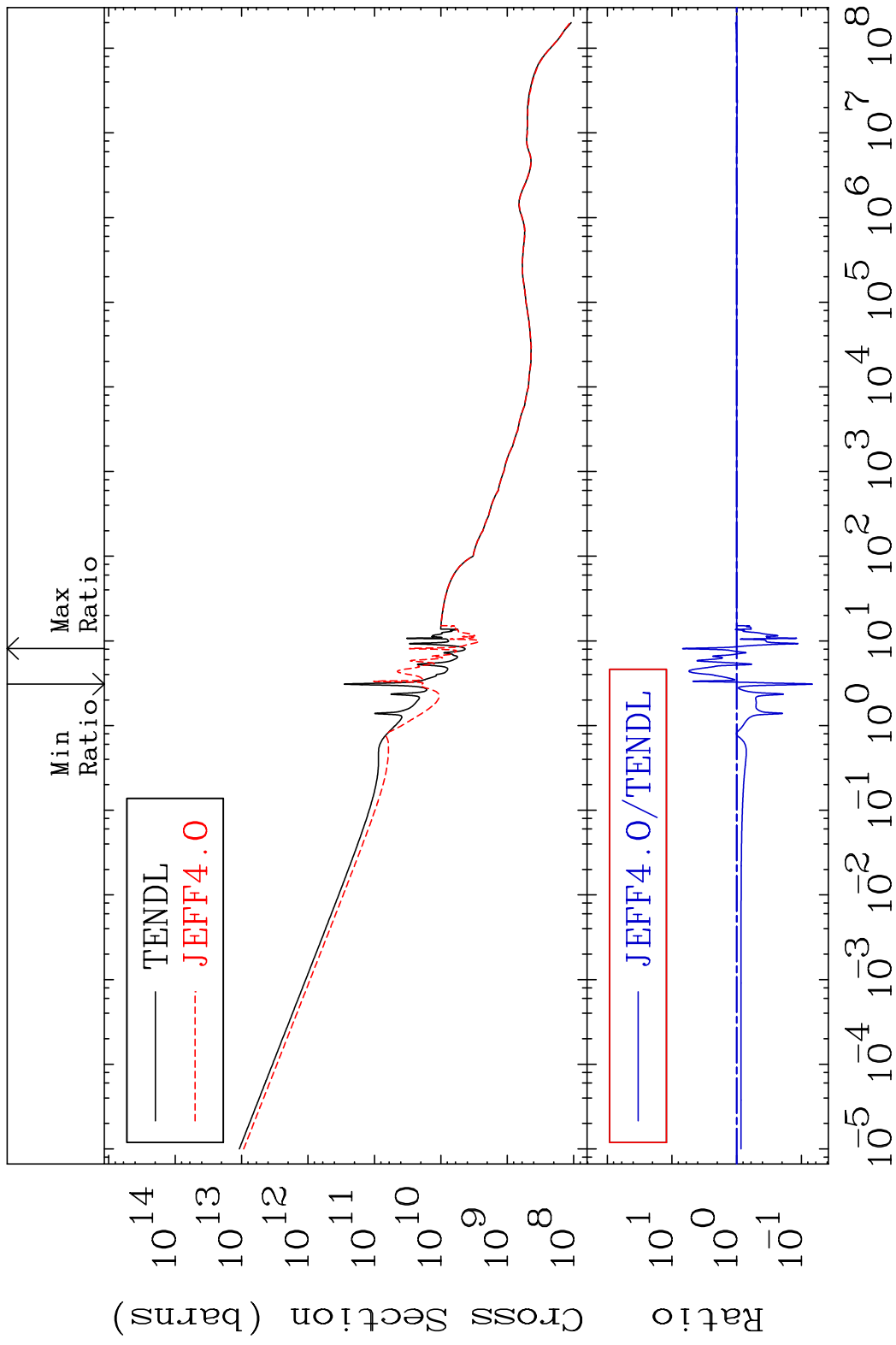
Kerma total (eV-barns) 94-Pu-237
Cross Section -93.27 To 592.0 %



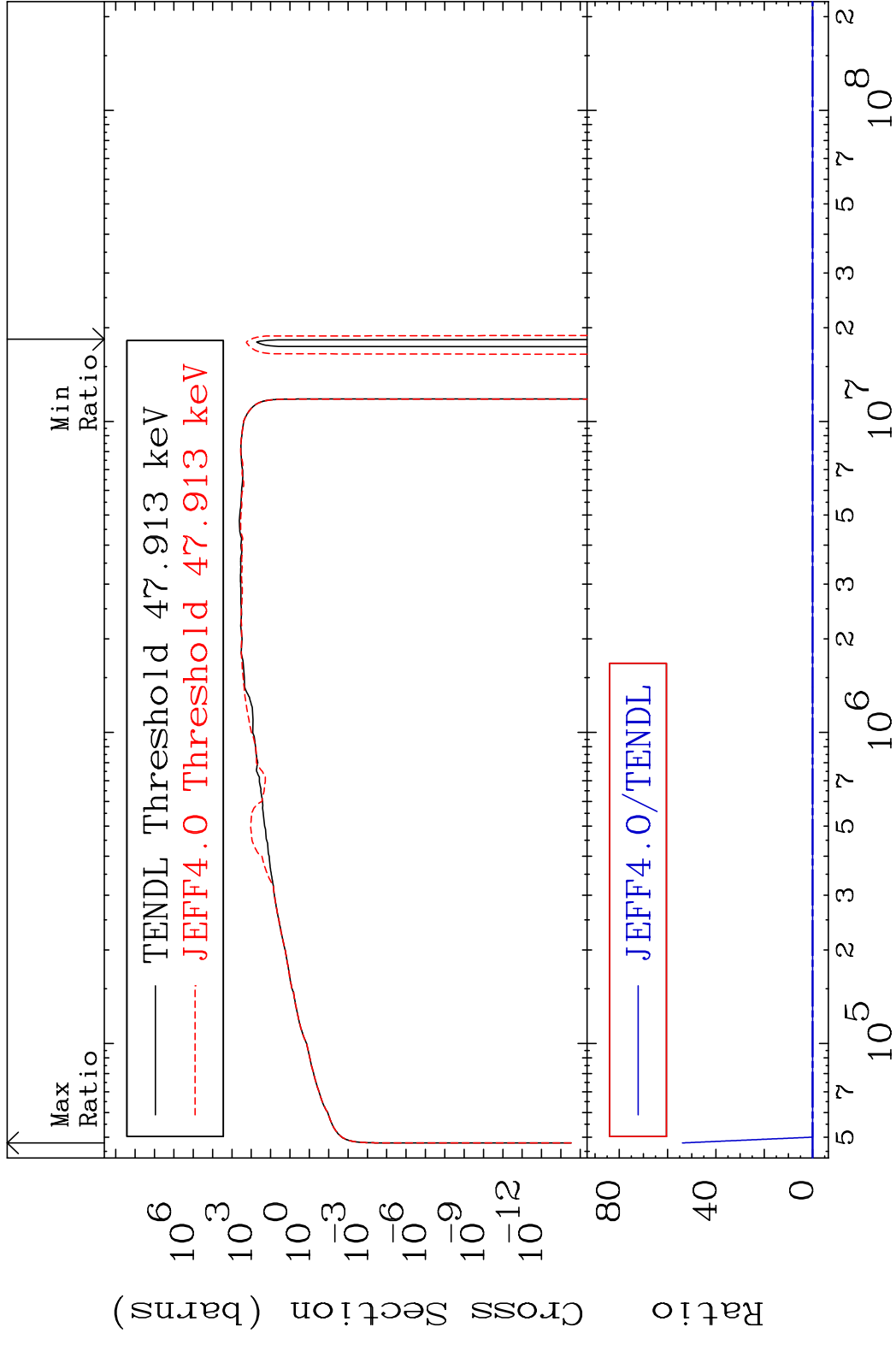
53

94-Pu-237

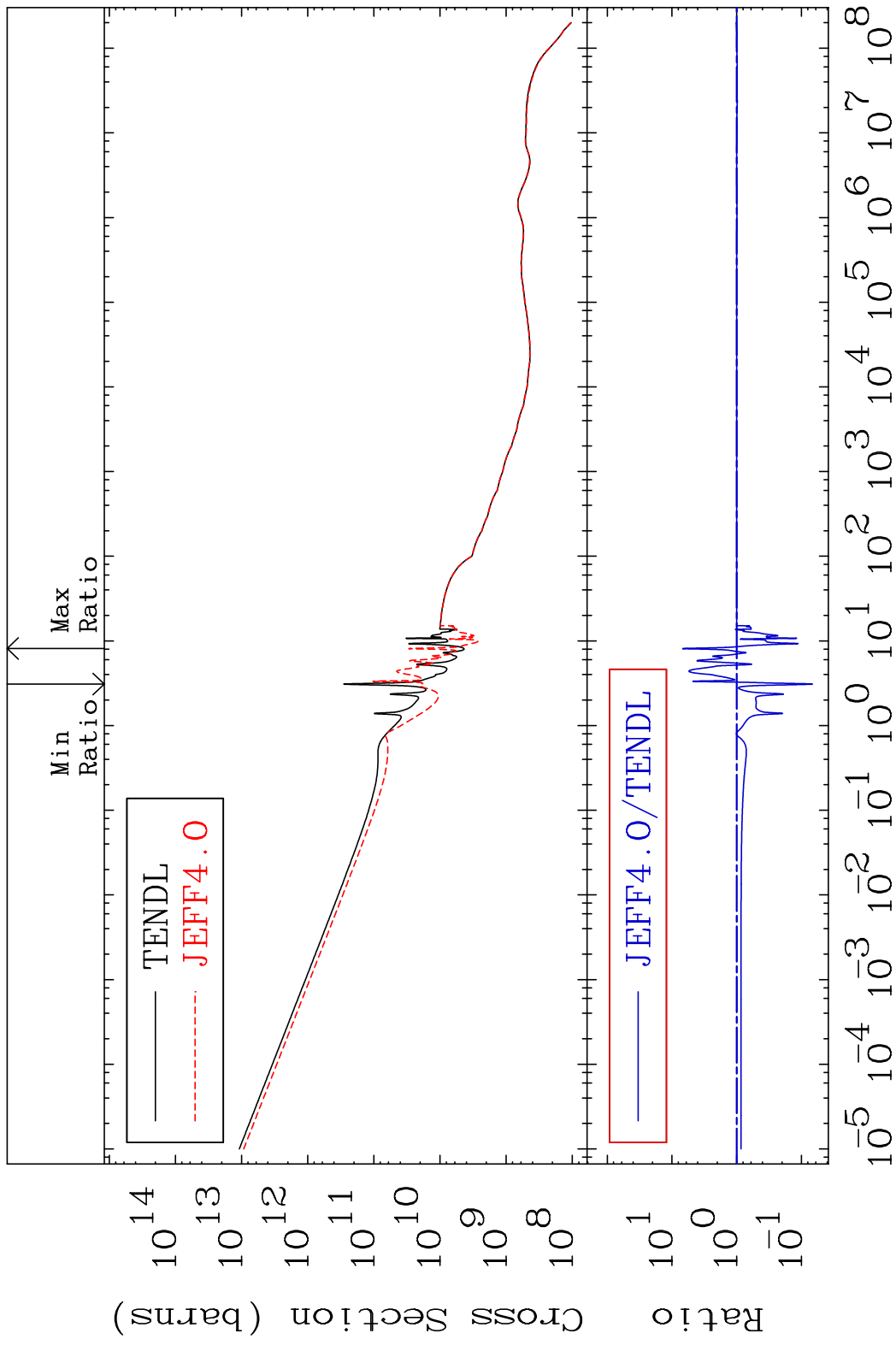
MAT 9431 Kerma non-elastic (all but mt2) 94-Pu-237
 Cross Section -93.27 To 592.0 %



MAT 9431 Kerma inelastic (mt51-91) 94-Pu-237
 Cross Section -1293. To 9999. %

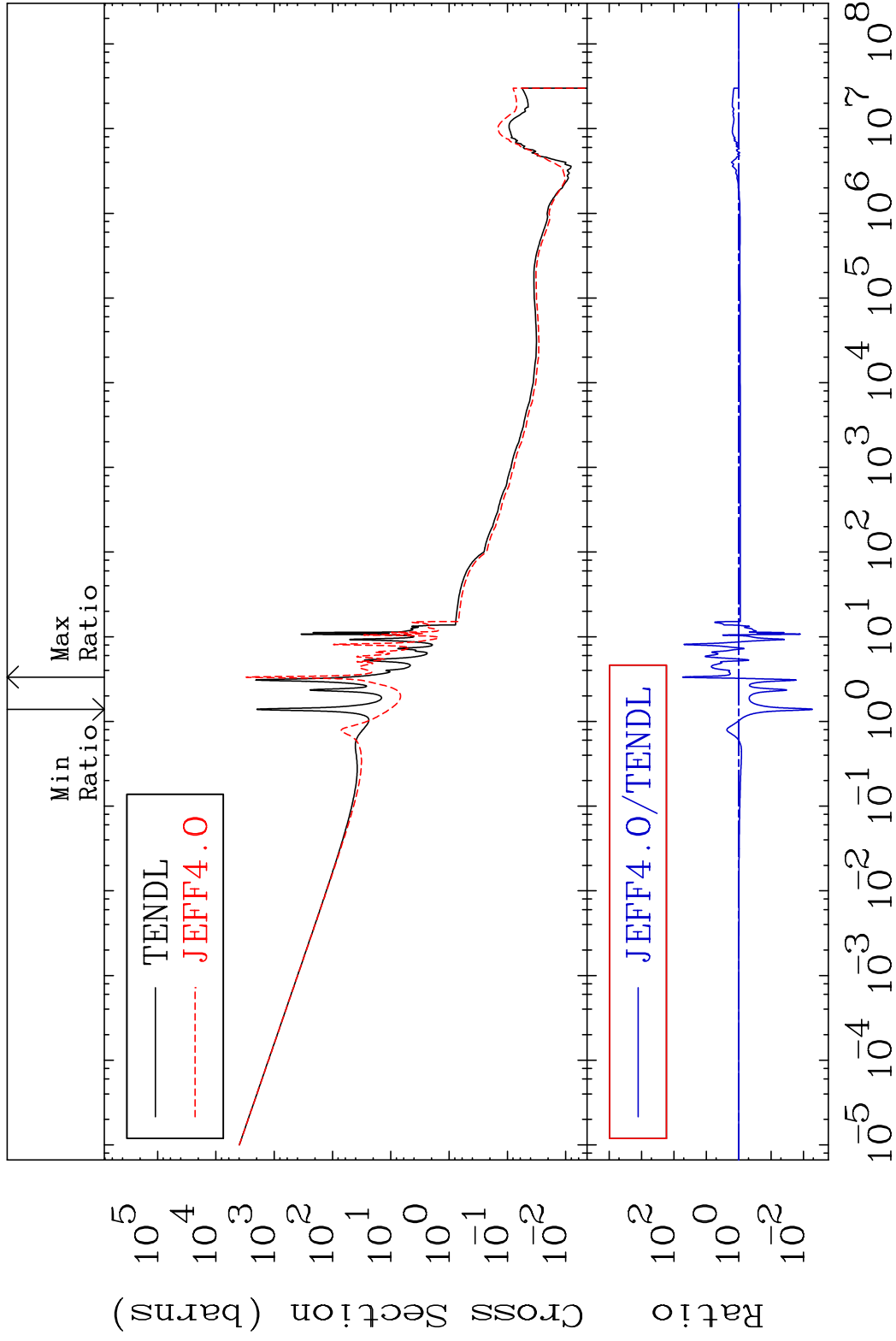


MAT 9431 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-237
 Cross Section -93.27 To 592.0 %



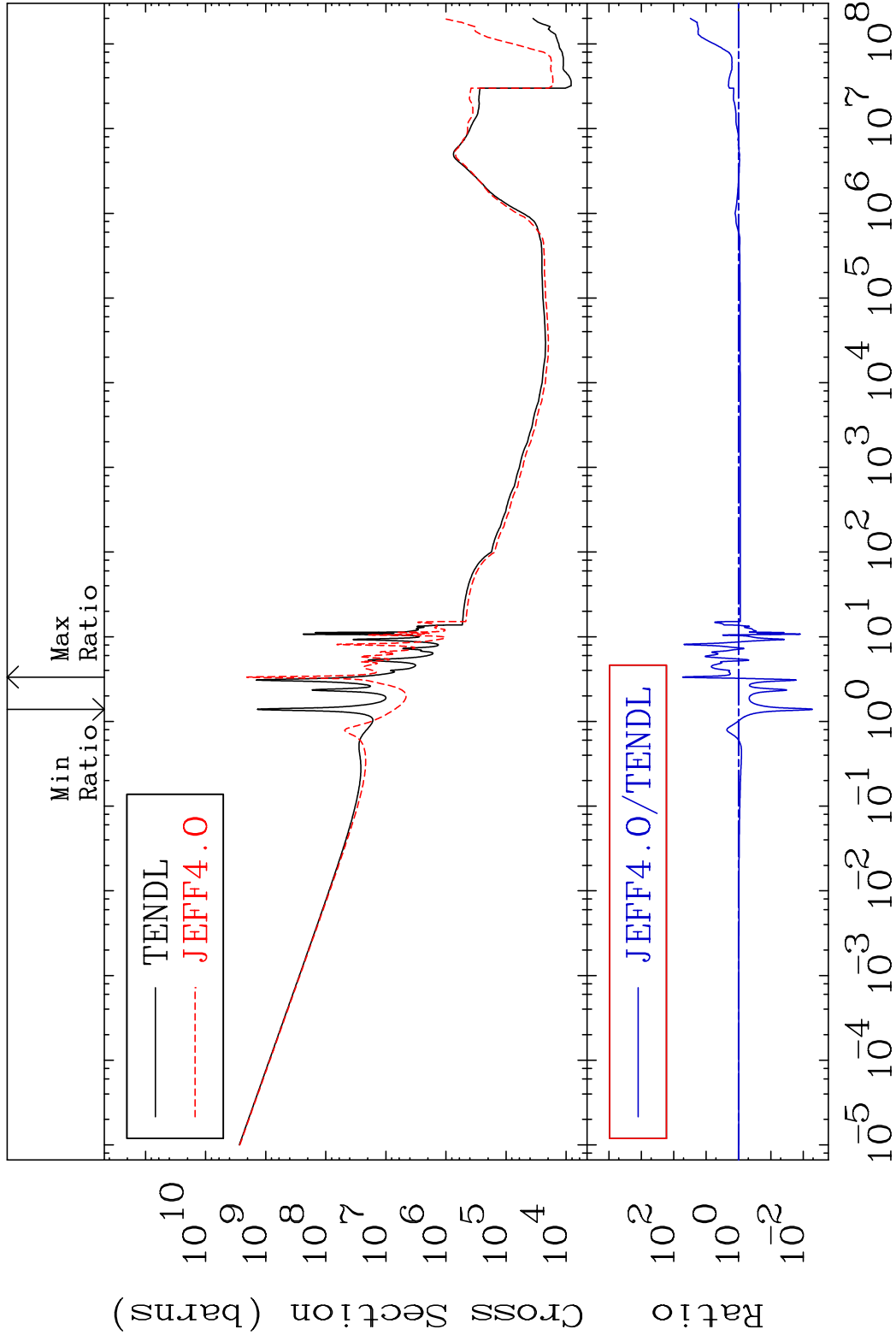
MAT 9431

Kerma capture (mt102) 94-Pu-237
Cross Section -99.47 To 5413. %



MAT 9431

Total photon (eV-barns) 94-Pu-237
Cross Section -99.48 To 5320. %

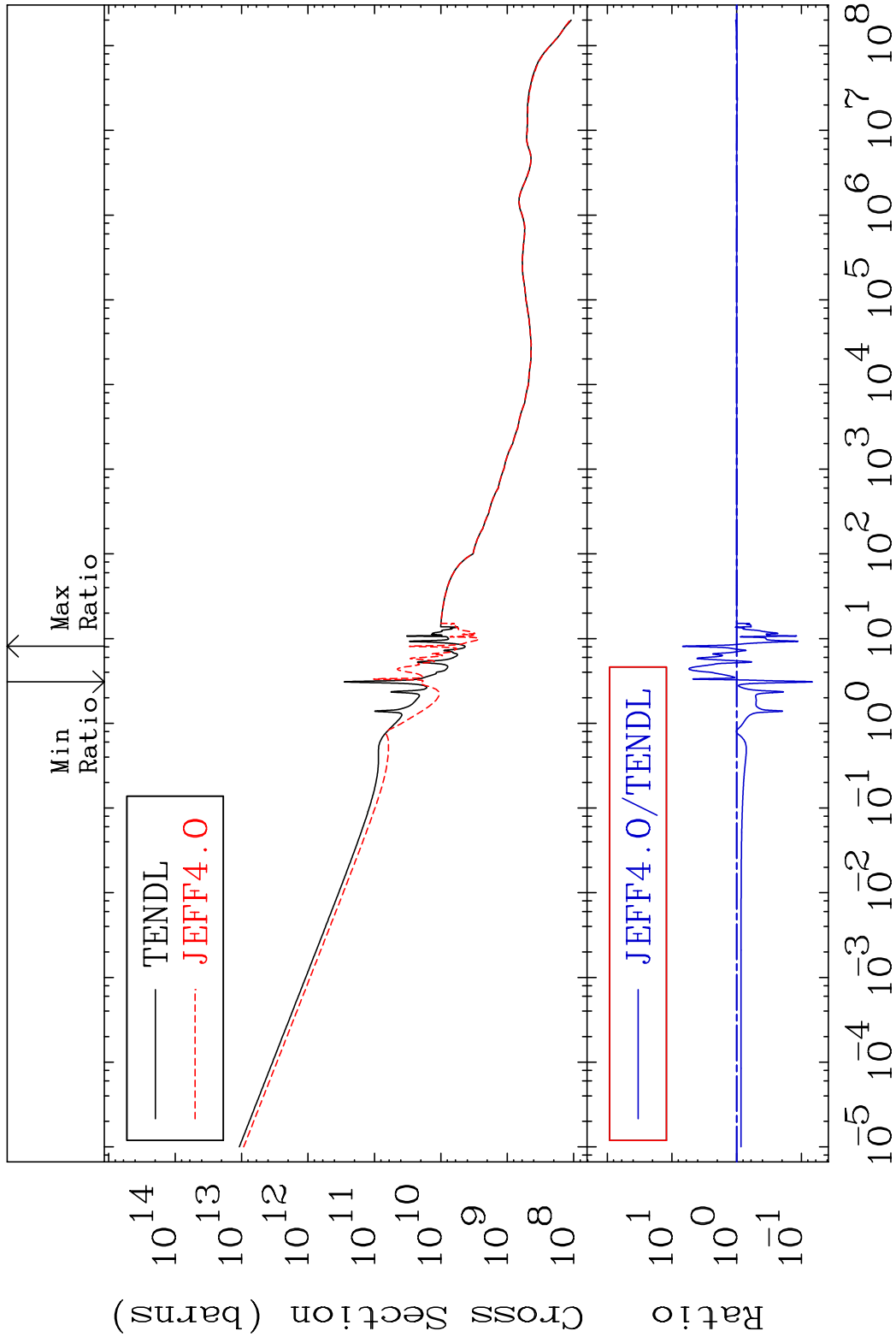


59

Incident Energy (eV)

94-Pu-237

MAT 9431 Total kinematic kerma (high limit) 94-Pu-237
 Cross Section -93.27 To 592.0 %

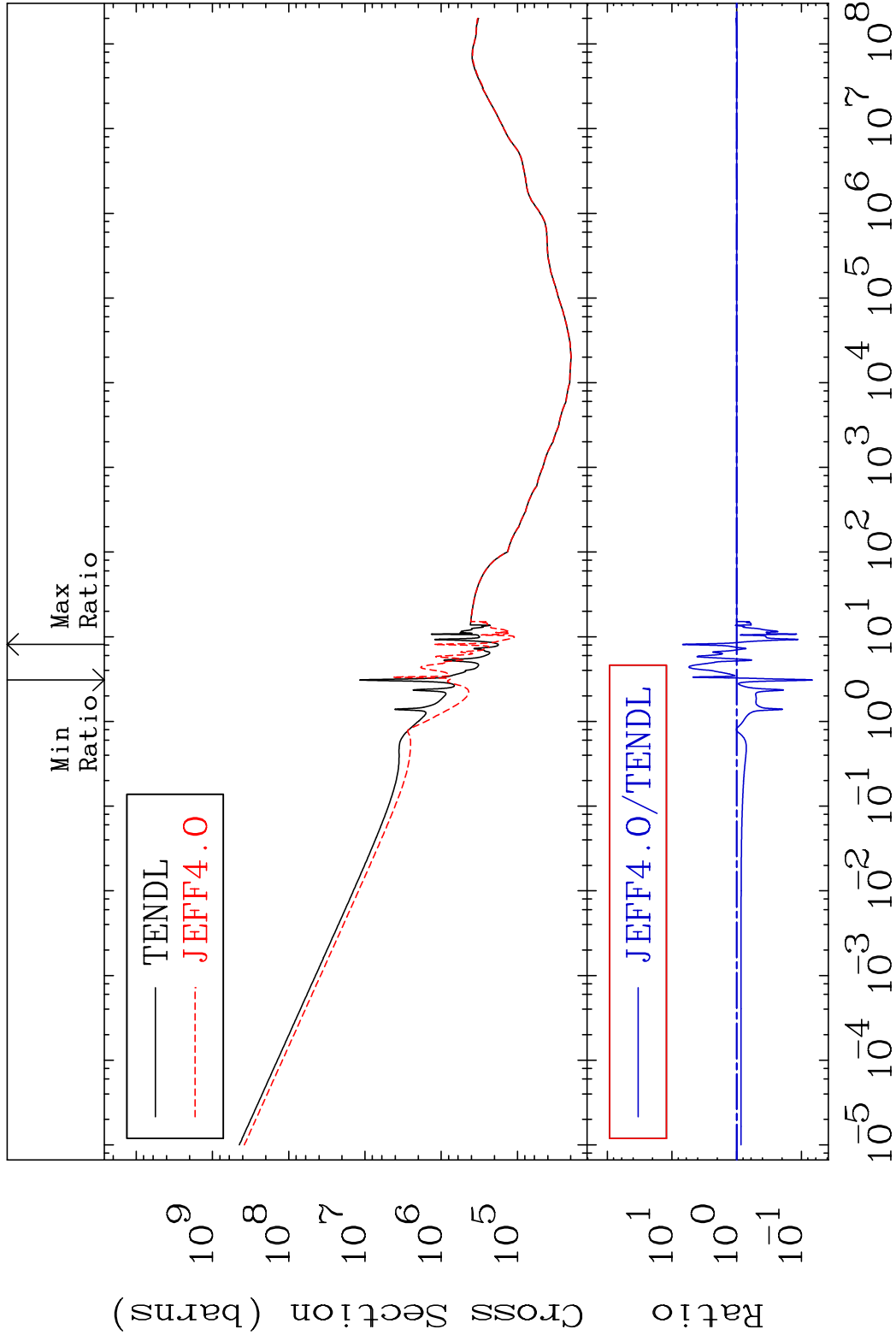


MAT 9431

Dpa total (eV-barns)

94-Pu-237

Cross Section -93.27 To 592.0 %



61

Incident Energy (eV)

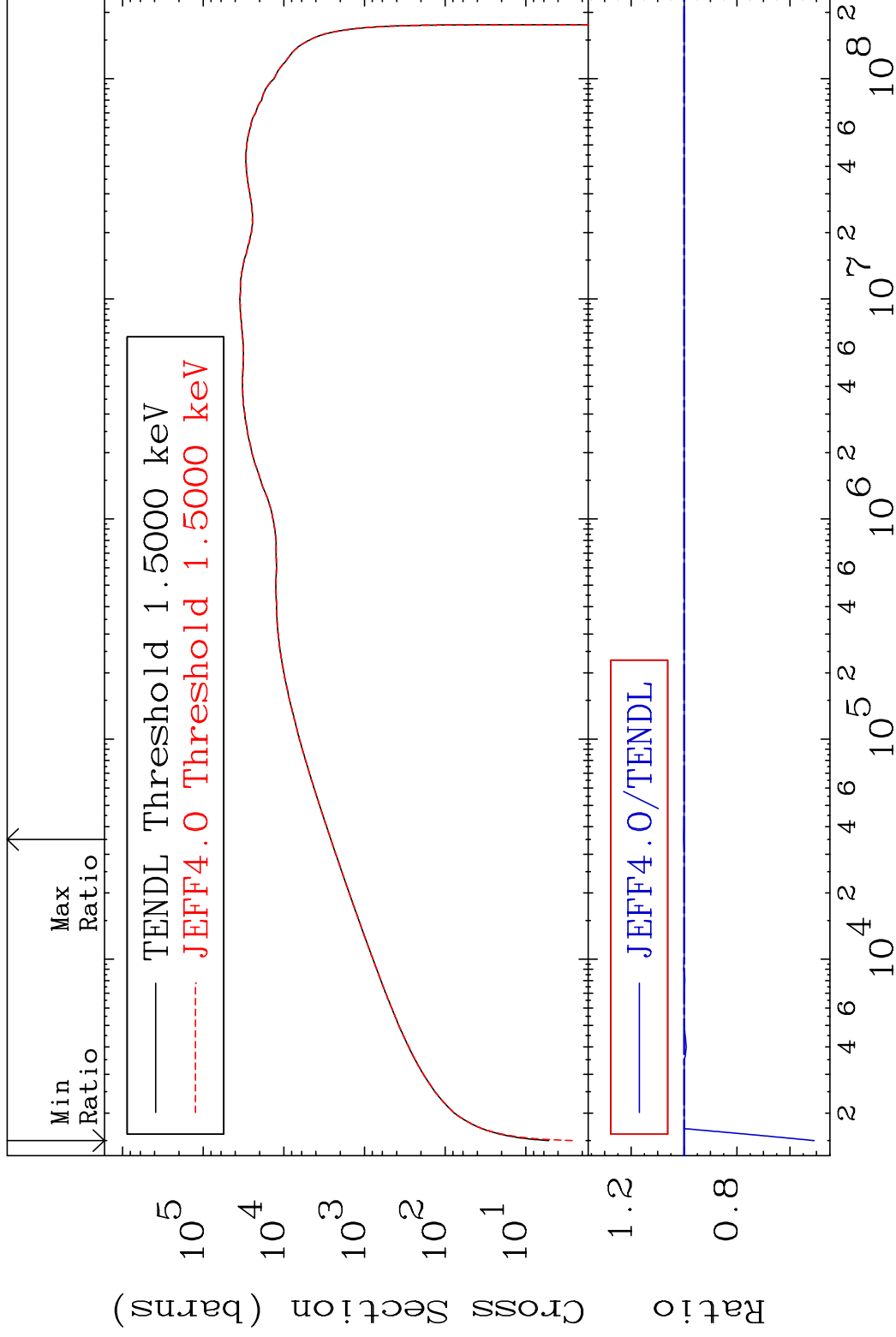
94-Pu-237

MAT 9431

Dpa elastic (mt2)

94-Pu-237

Cross Section -49.12 To 0.151 %



62

Incident Energy (eV)

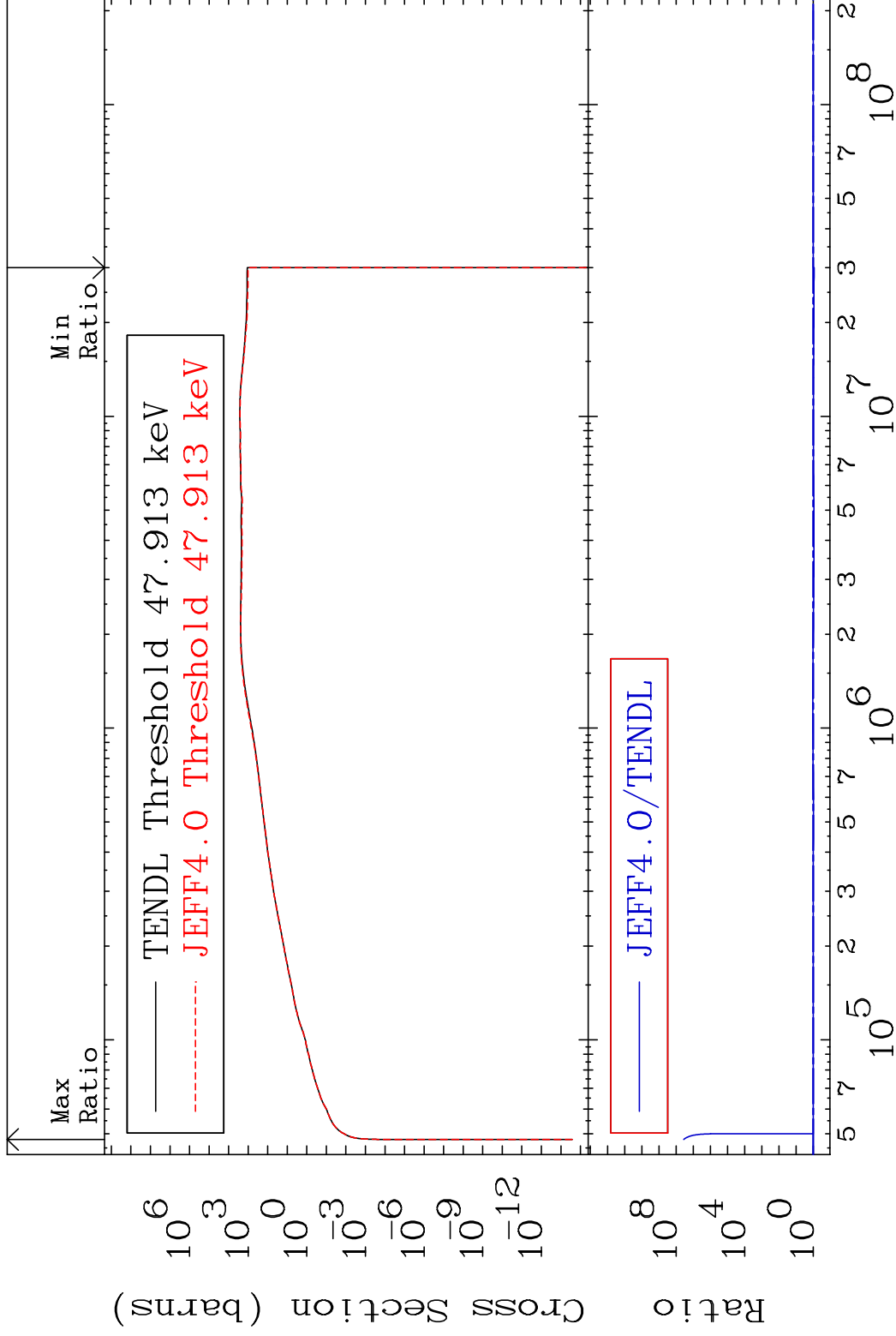
94-Pu-237

MAT 9431

Dpa inelastic (mt51-91)

94-Pu-237

Cross Section -10.10 To 9999. %

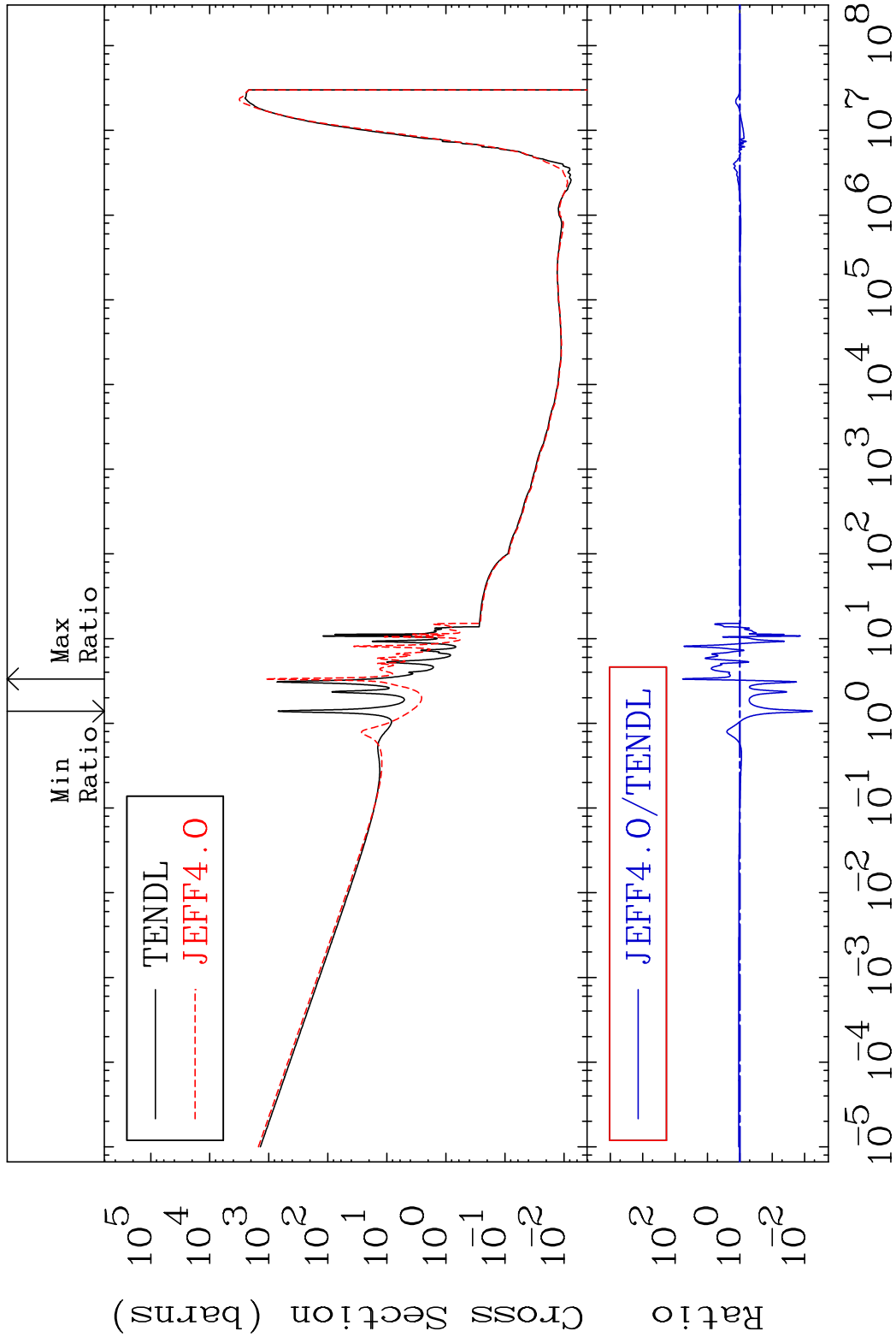


63

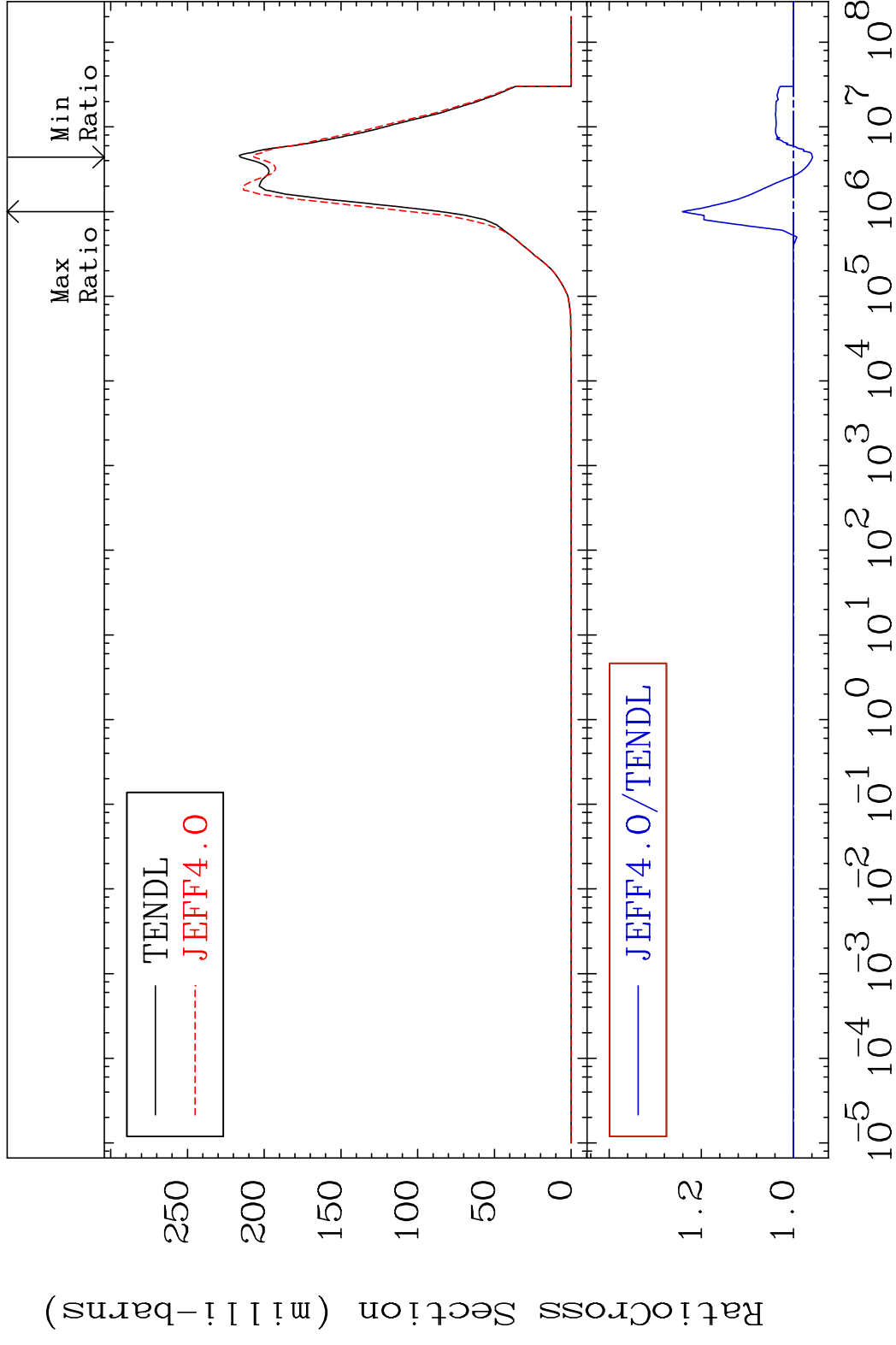
Incident Energy (eV)

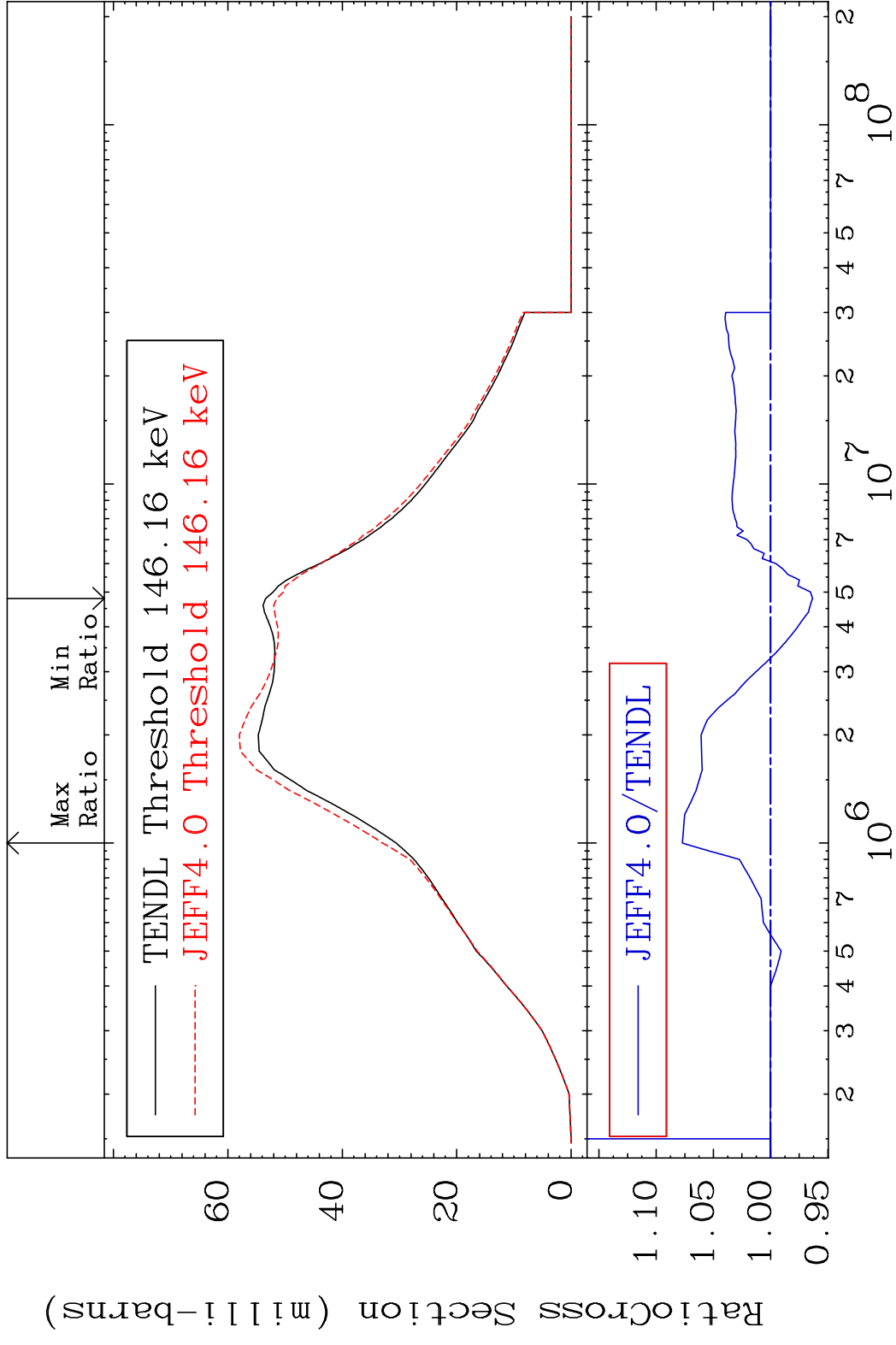
94-Pu-237

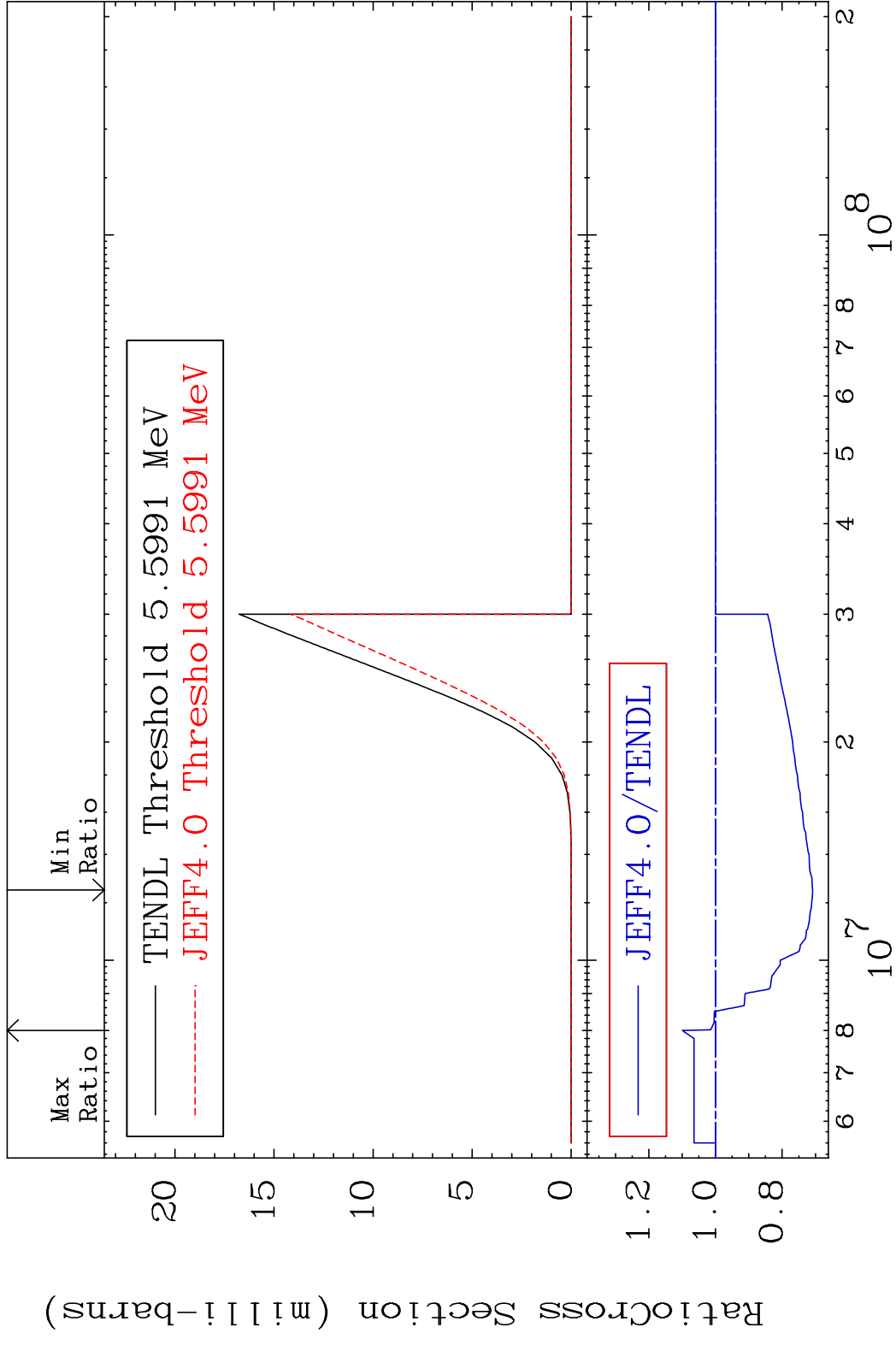
MAT 9431 Dpa disappearance (mt102 -120) 94-Pu-237
 Cross Section -99.43 To 5865. %

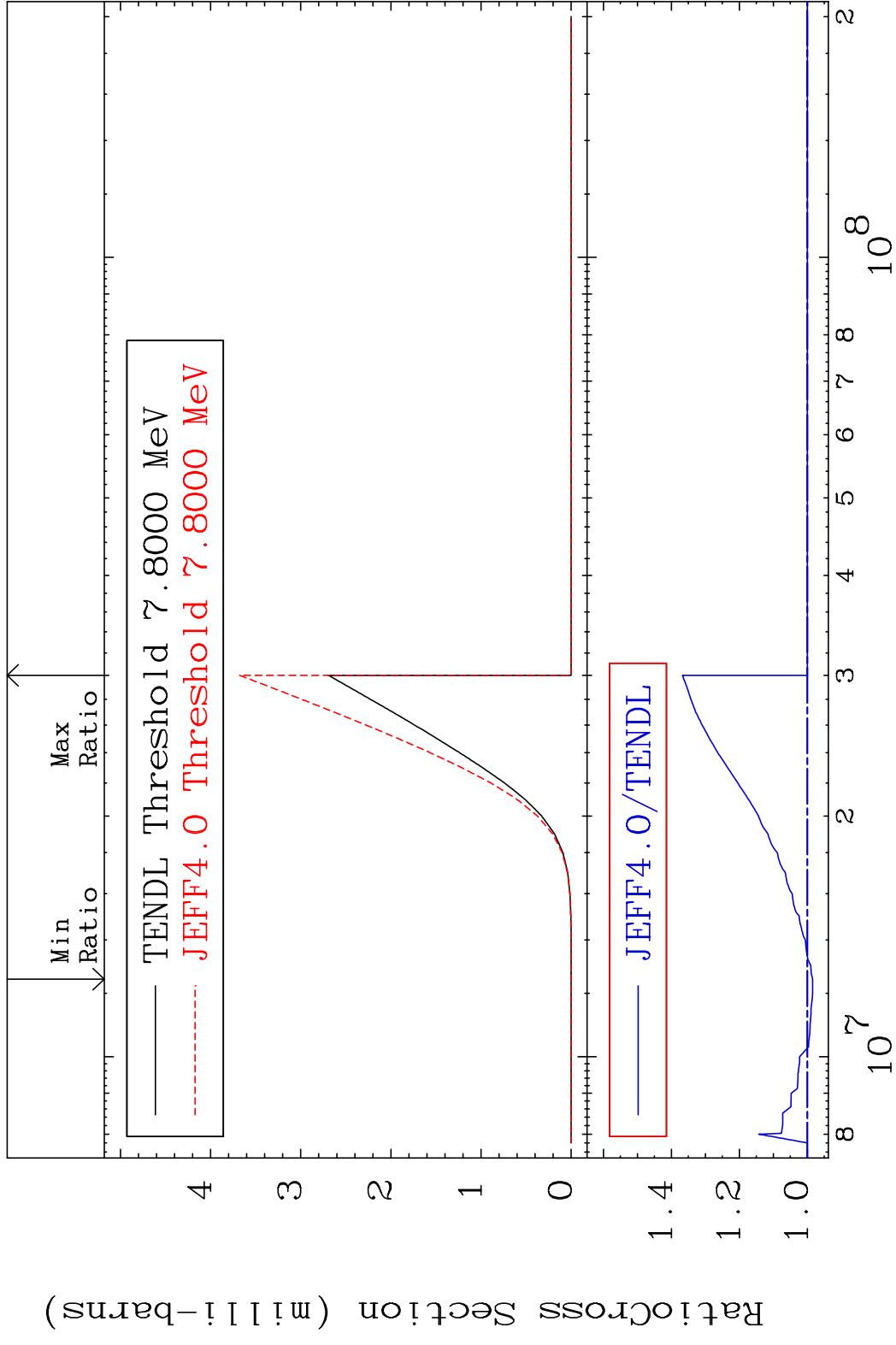


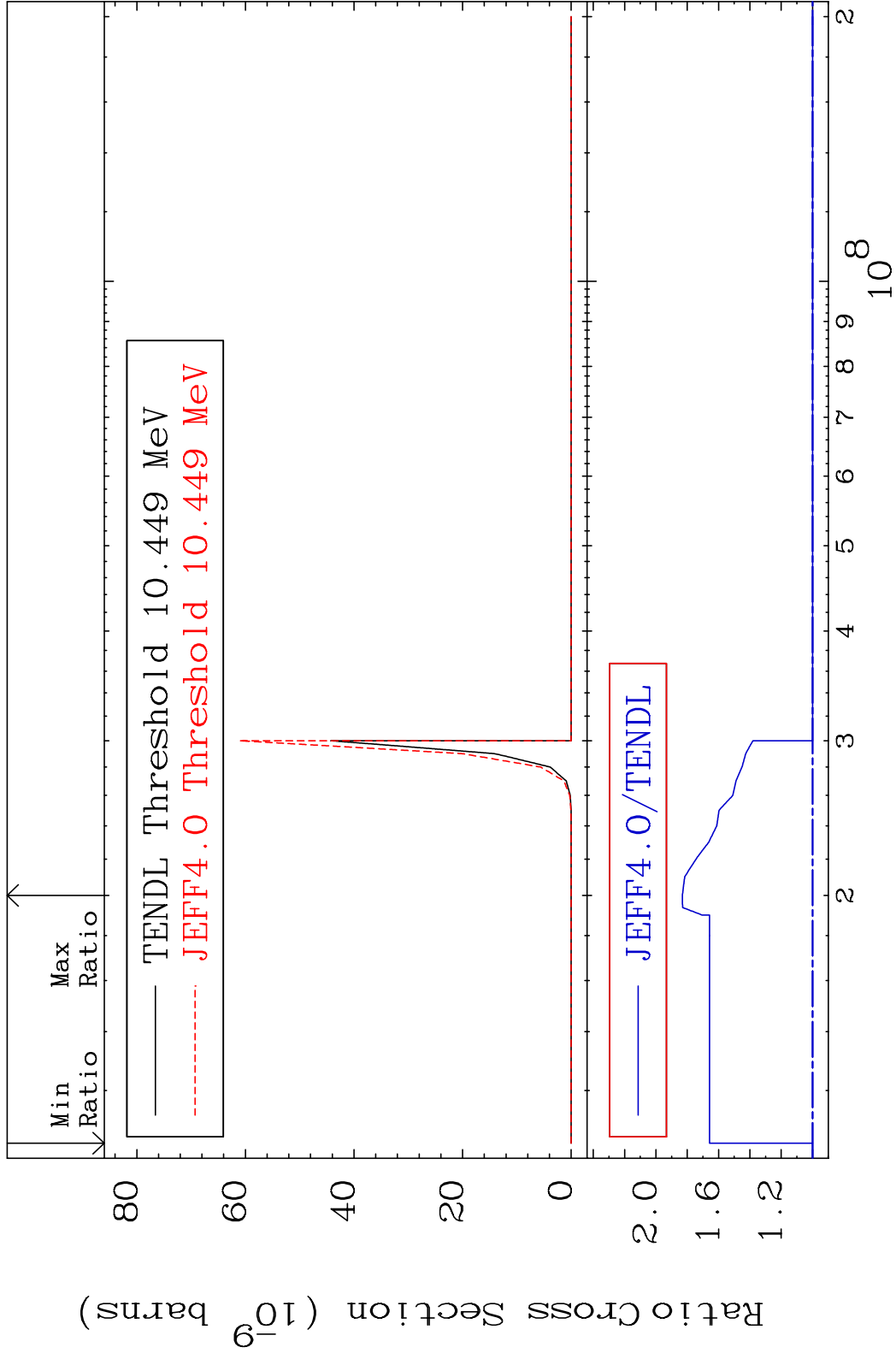
MAT 9431 Inelastic:94-Pu-237g 94-Pu-237
 Radionuclide Production Cross Section 24.12 %

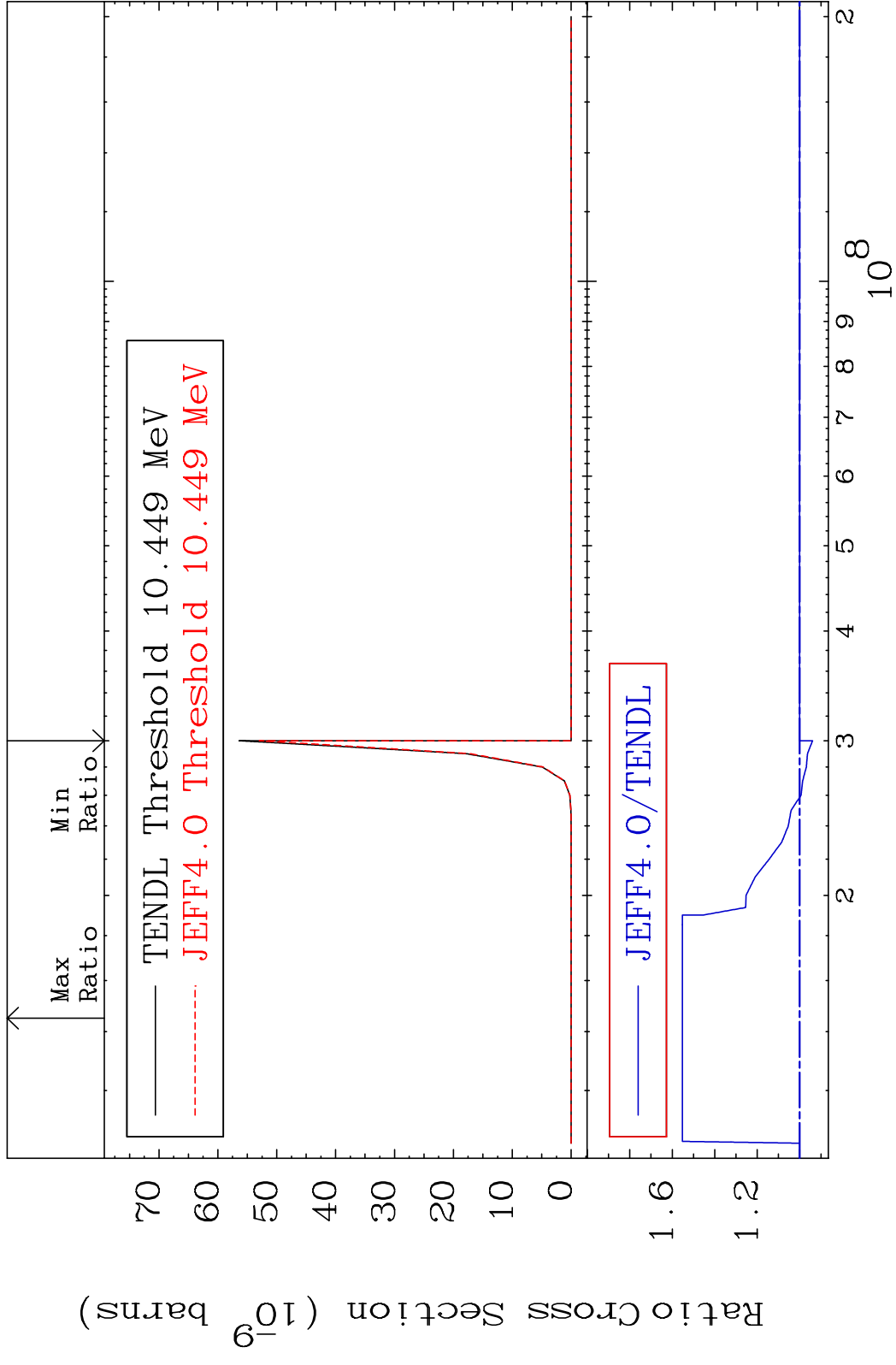




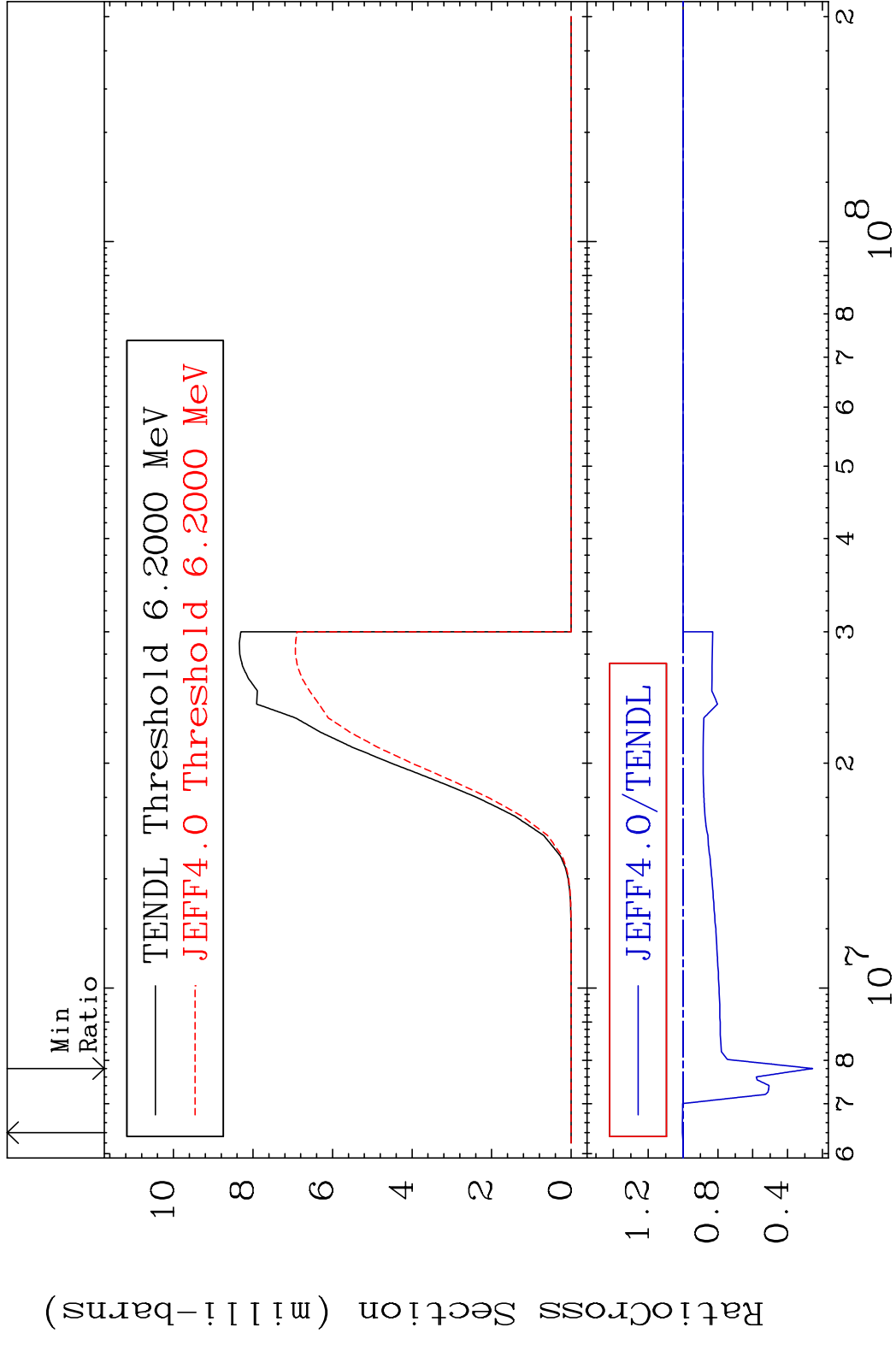




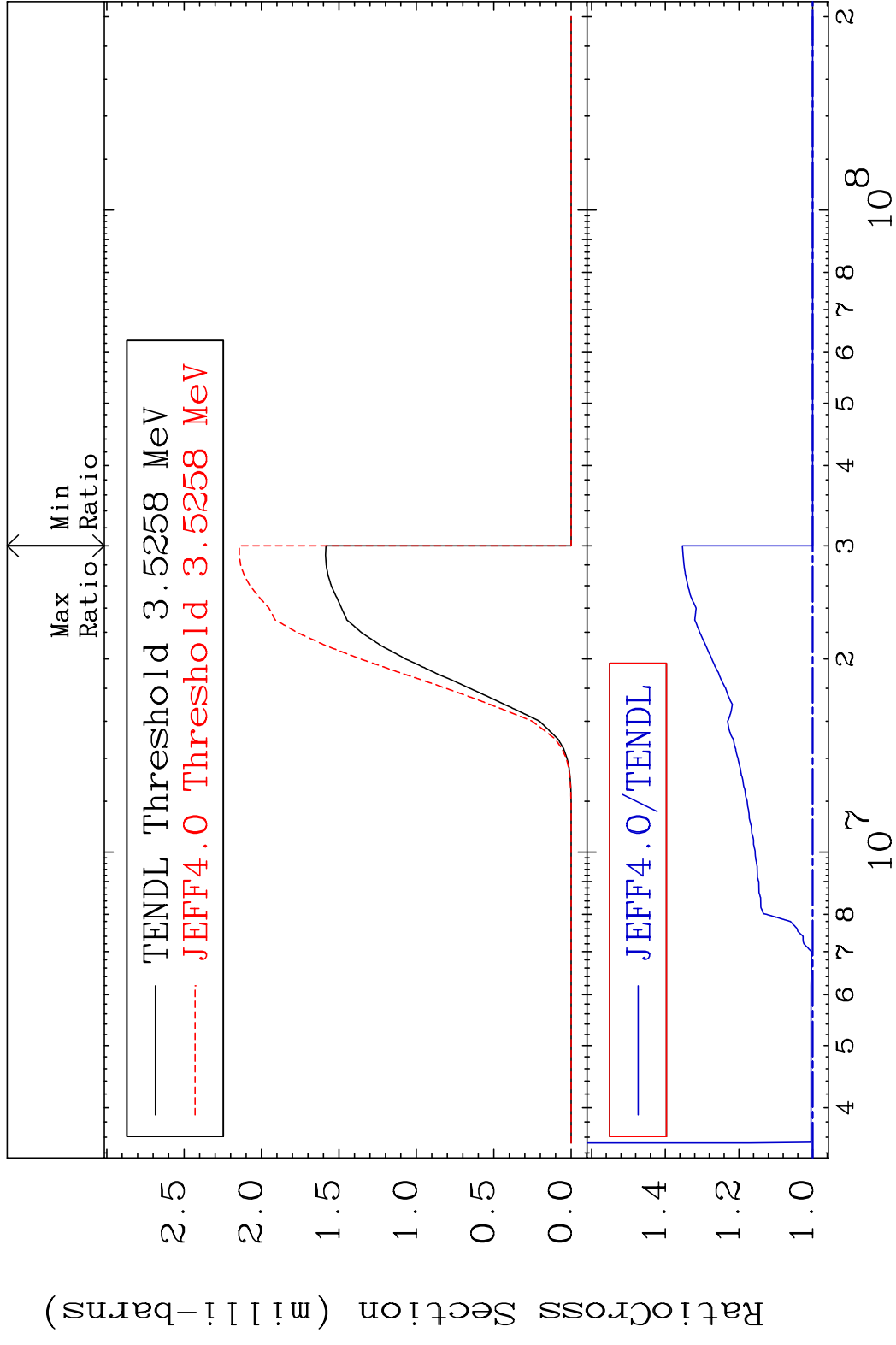




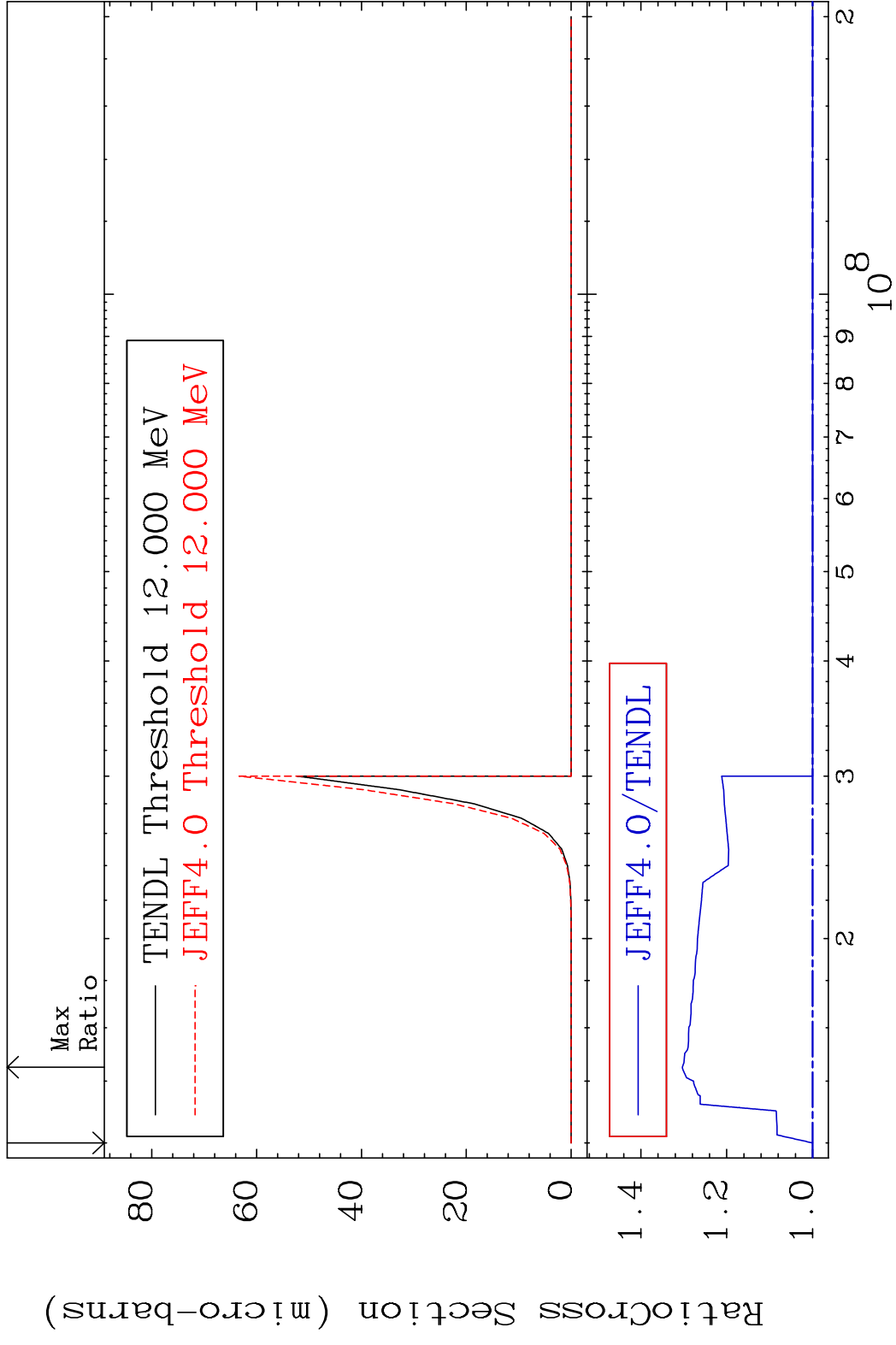
MAT 9431 (n,d):93-Np-236g 94-Pu-237
 Radionuclide Production Cross Section 0.399 %



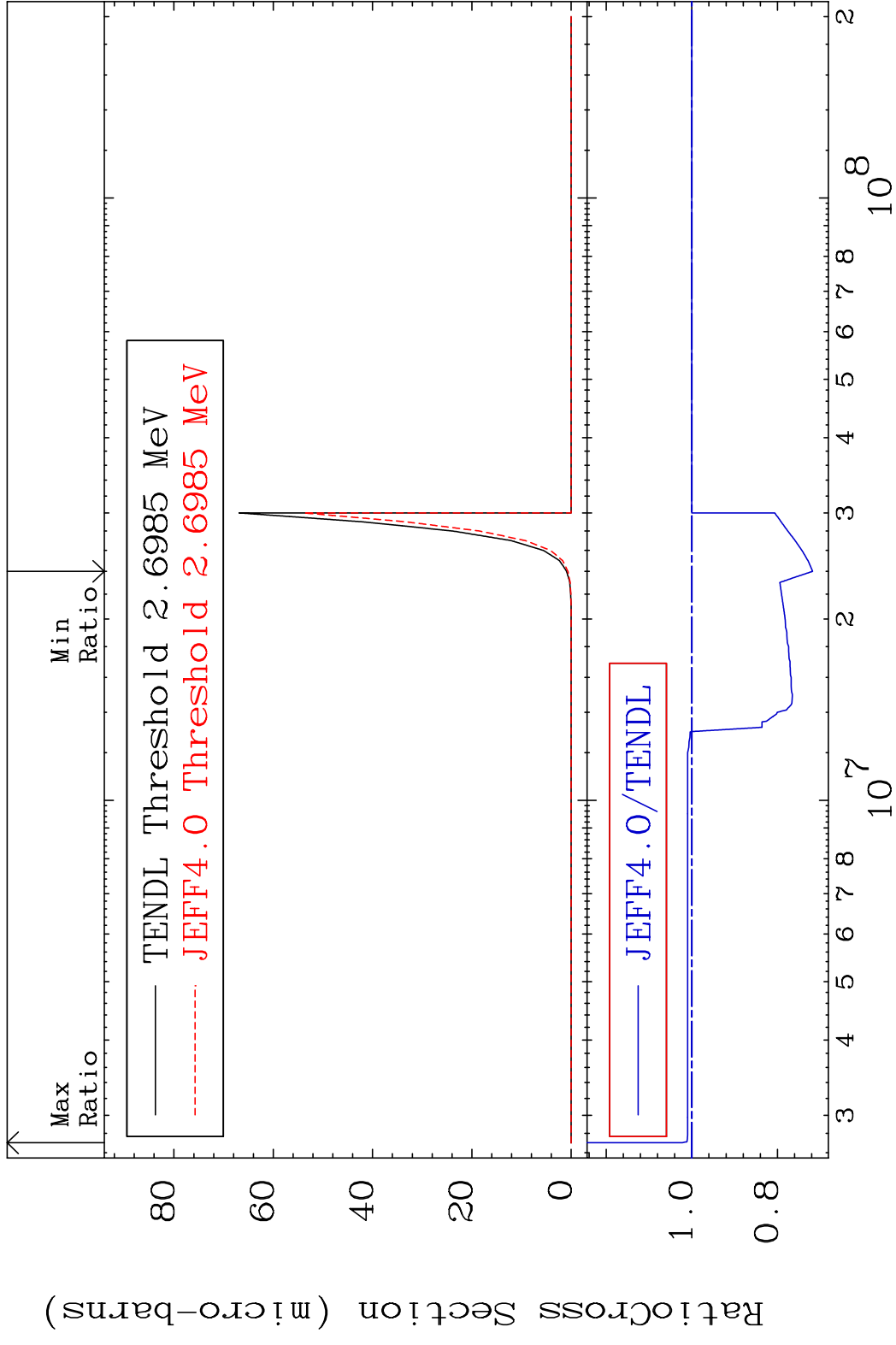
MAT 9431 (n, d) : 93-Np-236m1 94-Pu-237
 Radionuclide Production Cross Section 35.34 %



MAT 9431 (n, He-3): 92-U-235g 94-Pu-237
 Radionuclide Production Cross Section 30.35 %



MAT 9431 (n, He-3) : 92-U -235m1 94-Pu-237
 Radionuclide Production Cross Section 2.213 %



MAT 9431 (n,p) d:92-U -235g 94-Pu-237
 Radionuclide Production Cross Section 58.73 %

