

Program Complot
(Version 2021-1)

by

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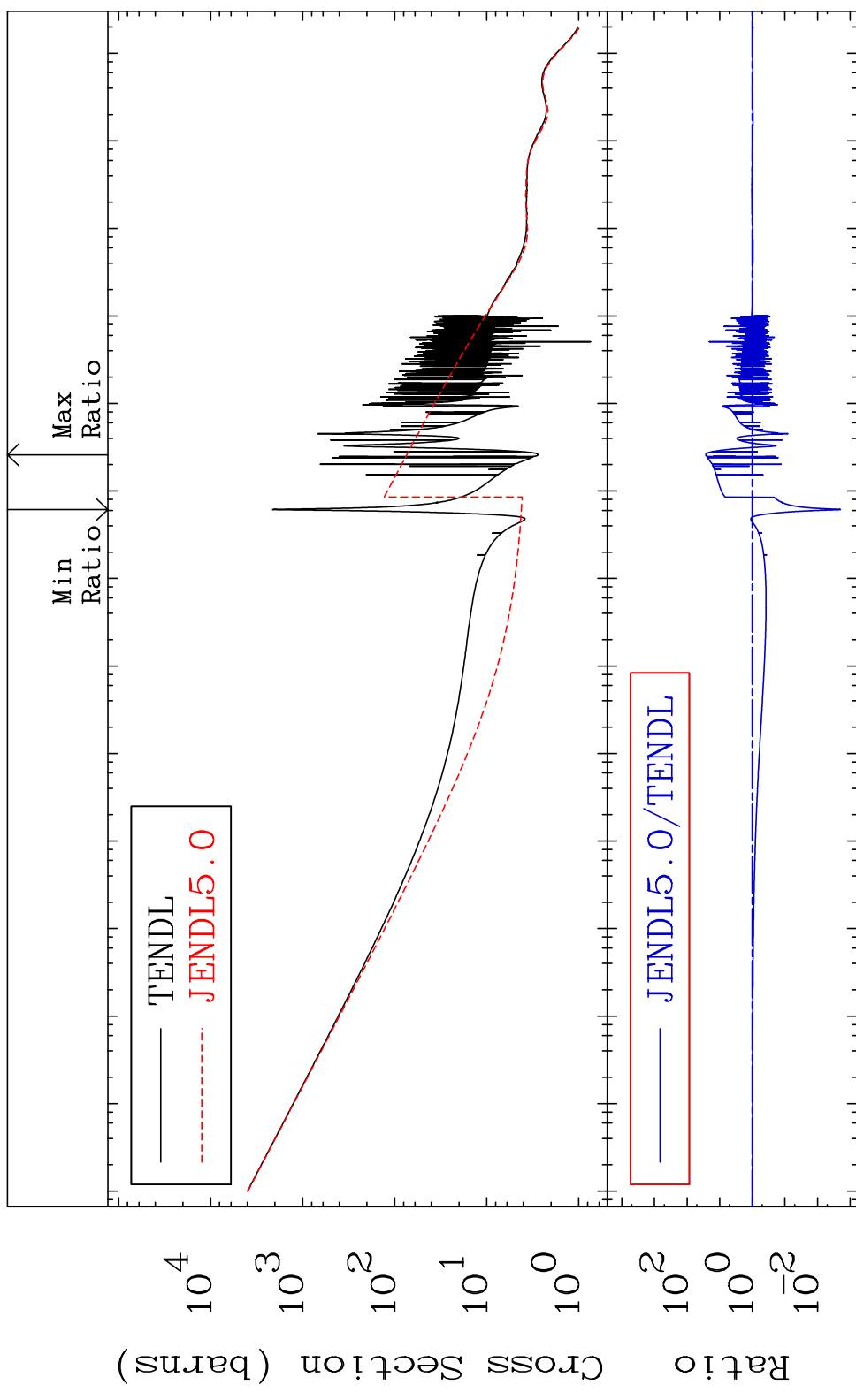
Press Mouse Button to Start

MAT 2519

Total

25-Mn-53

Cross Section -99.80 To 2569. %

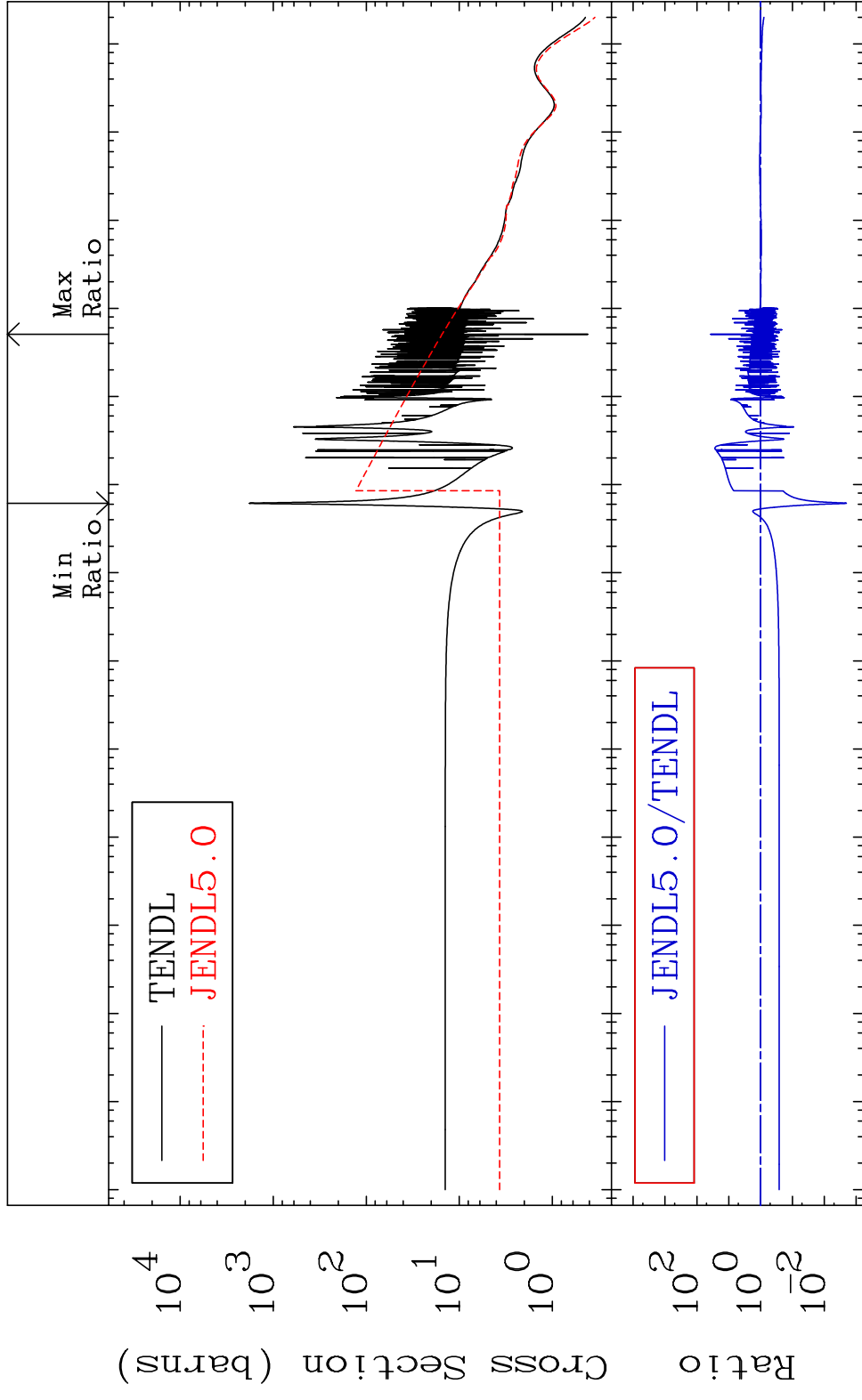


1

Incident Energy (eV)

25-Mn-53

MAT 2519 Elastic 25-Mn-53
 Cross Section -99.80 To 3581. %



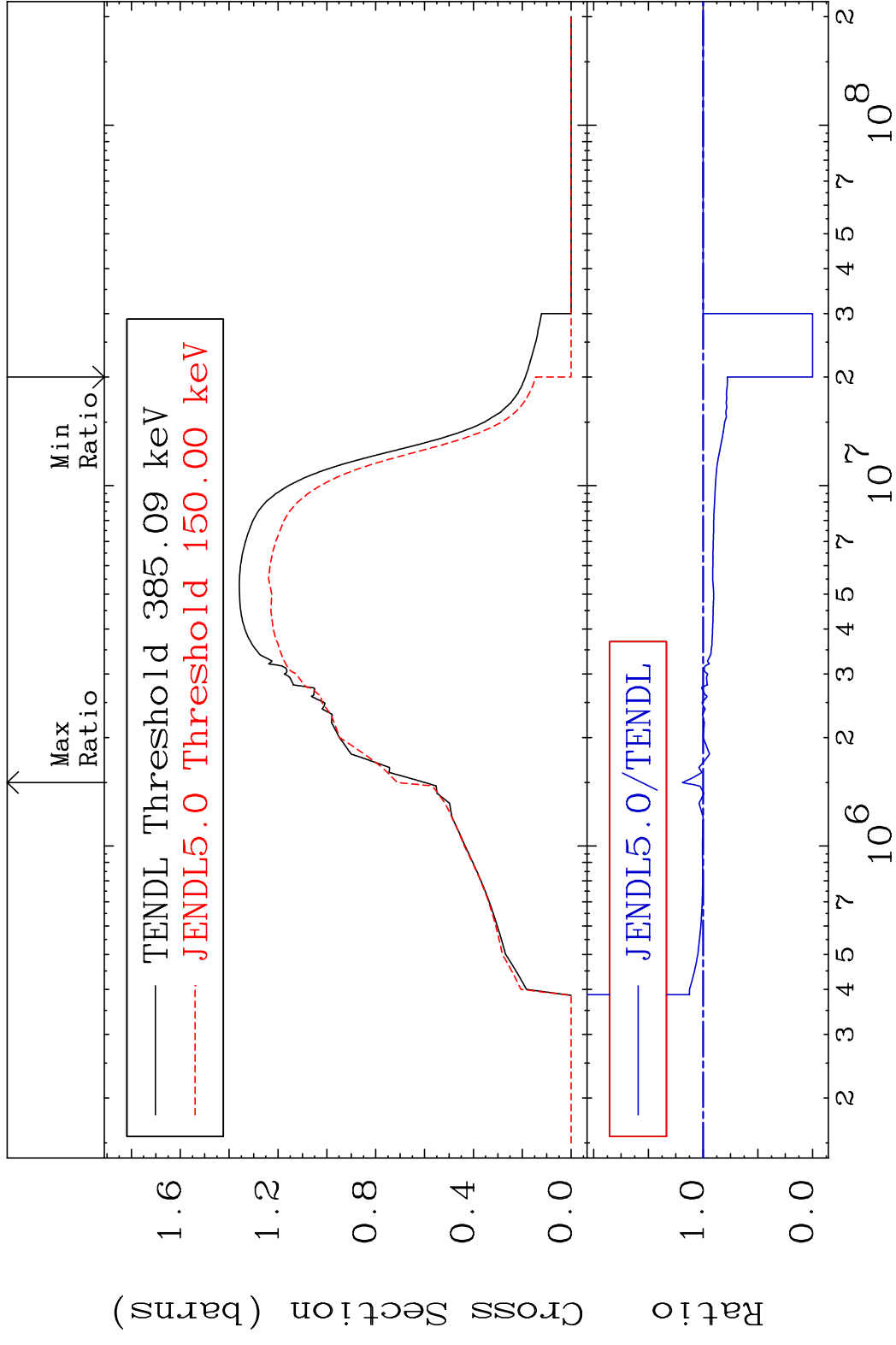
Ratio
 10^4
 10^3
 10^2
 10^1
 10^0
 10^{-2}

Incident Energy (eV) 25-Mn-53

10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

2

MAT 2519 Inelastic Cross Section -100.0 To 18.91 % 25-Mn-53

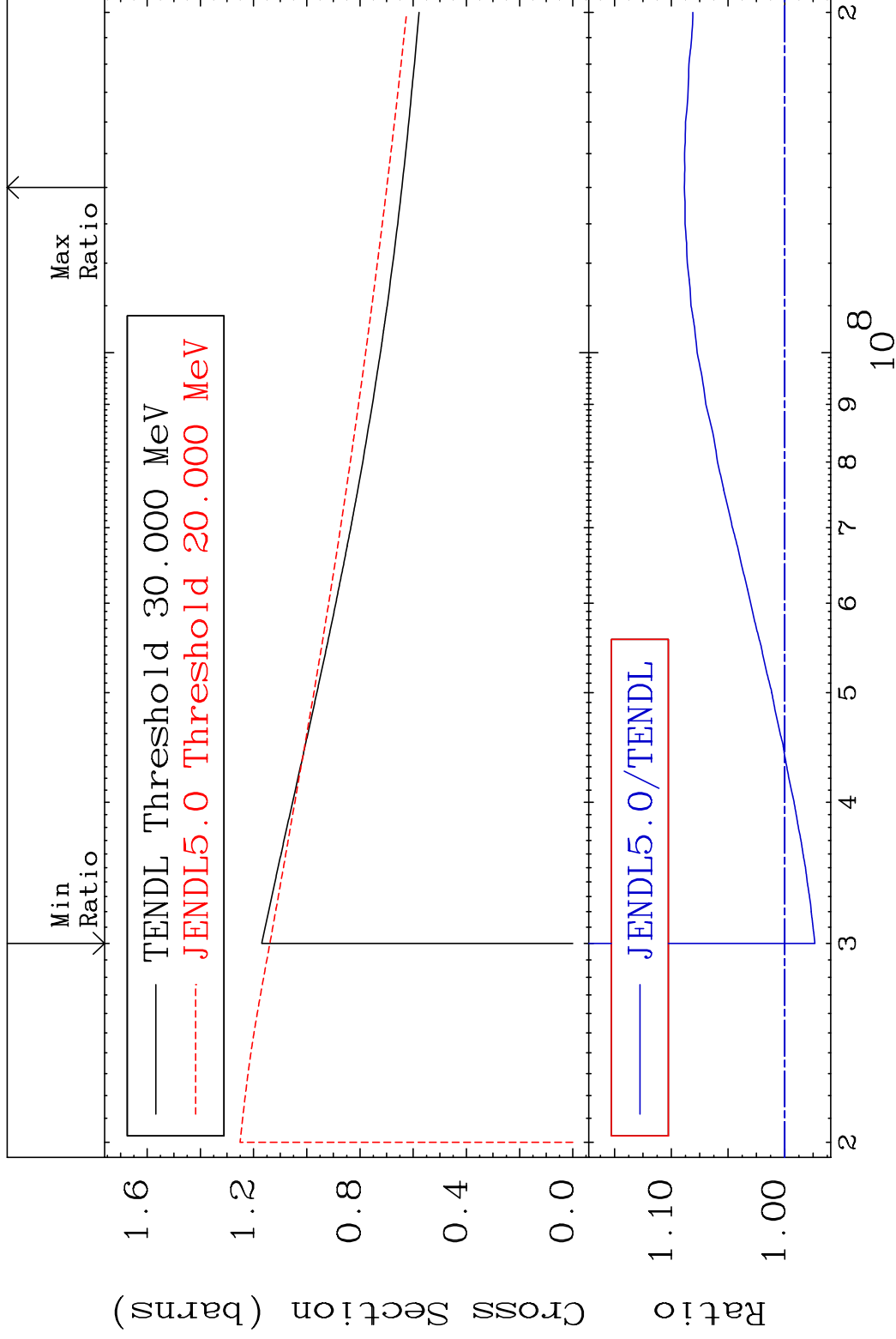


MAT 2519

(n, remainder)

25-Mn-53

Cross Section -2.659 To 8.858 %

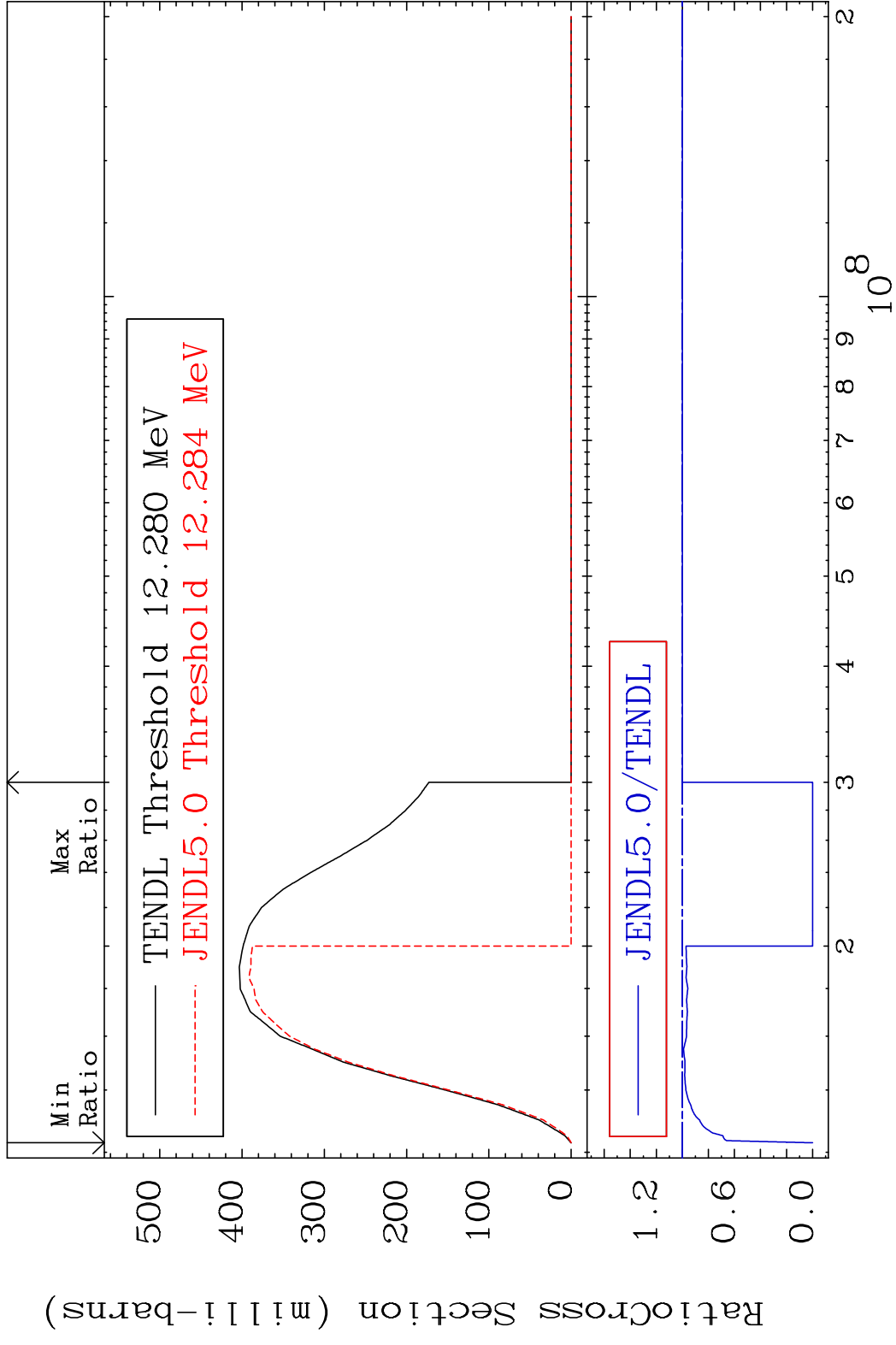


4

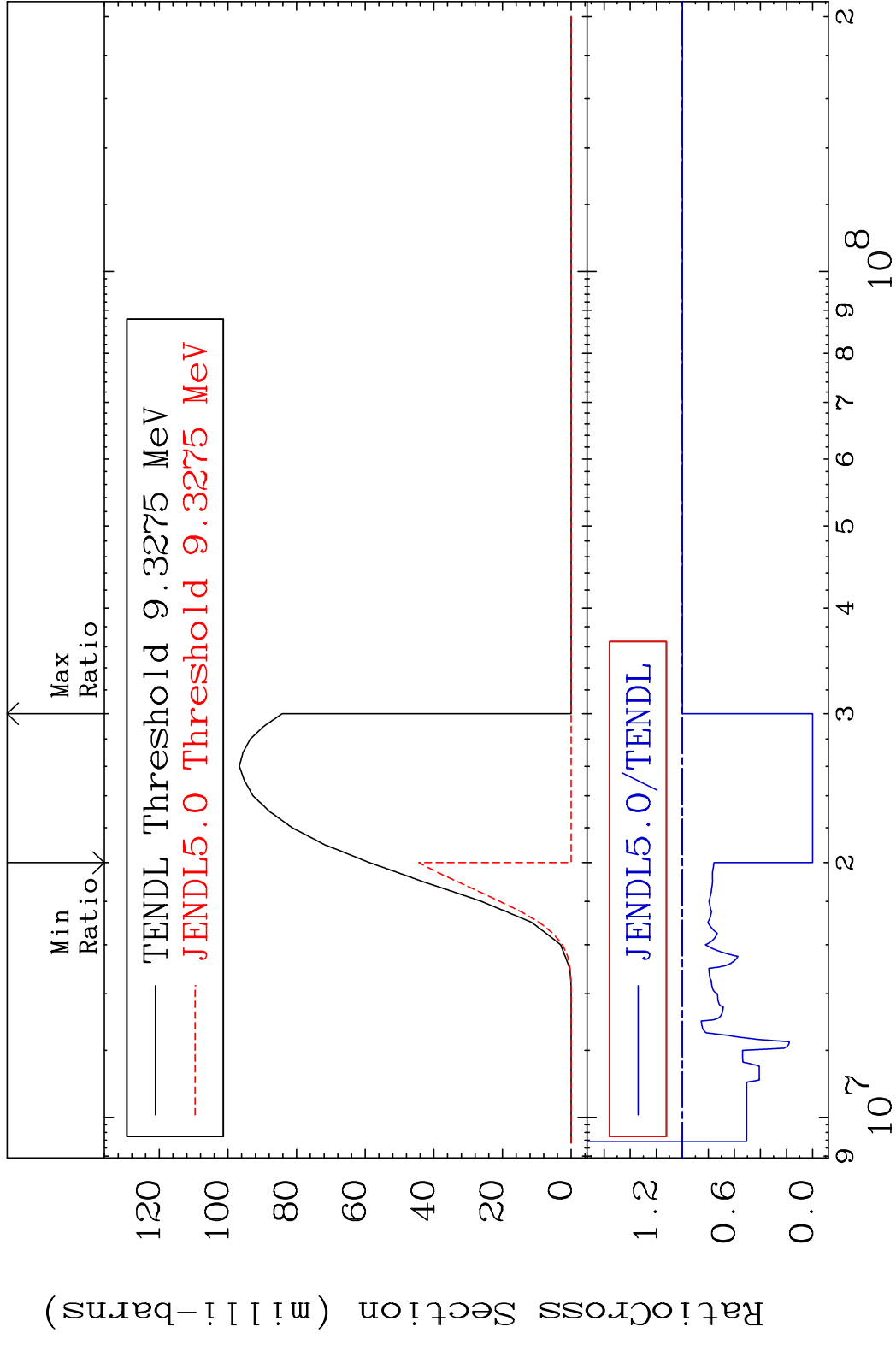
Incident Energy (eV)

25-Mn-53

MAT 2519 (n,2n) 25-Mn-53
 Cross Section -100.0 To 0.000 %

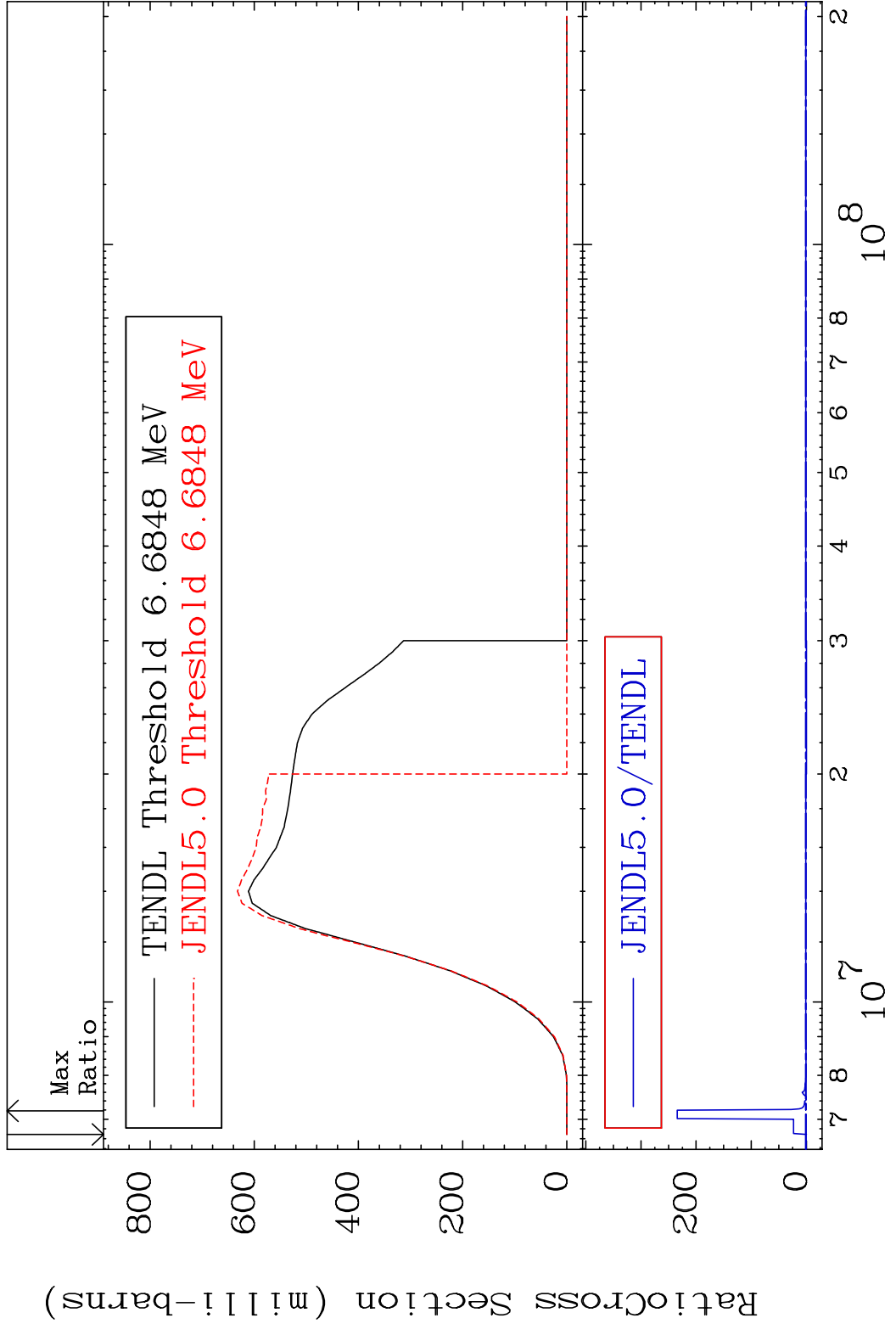


MAT 2519 (n, n') α 25-Mn-53
 Cross Section -100.0 To 0.000 %



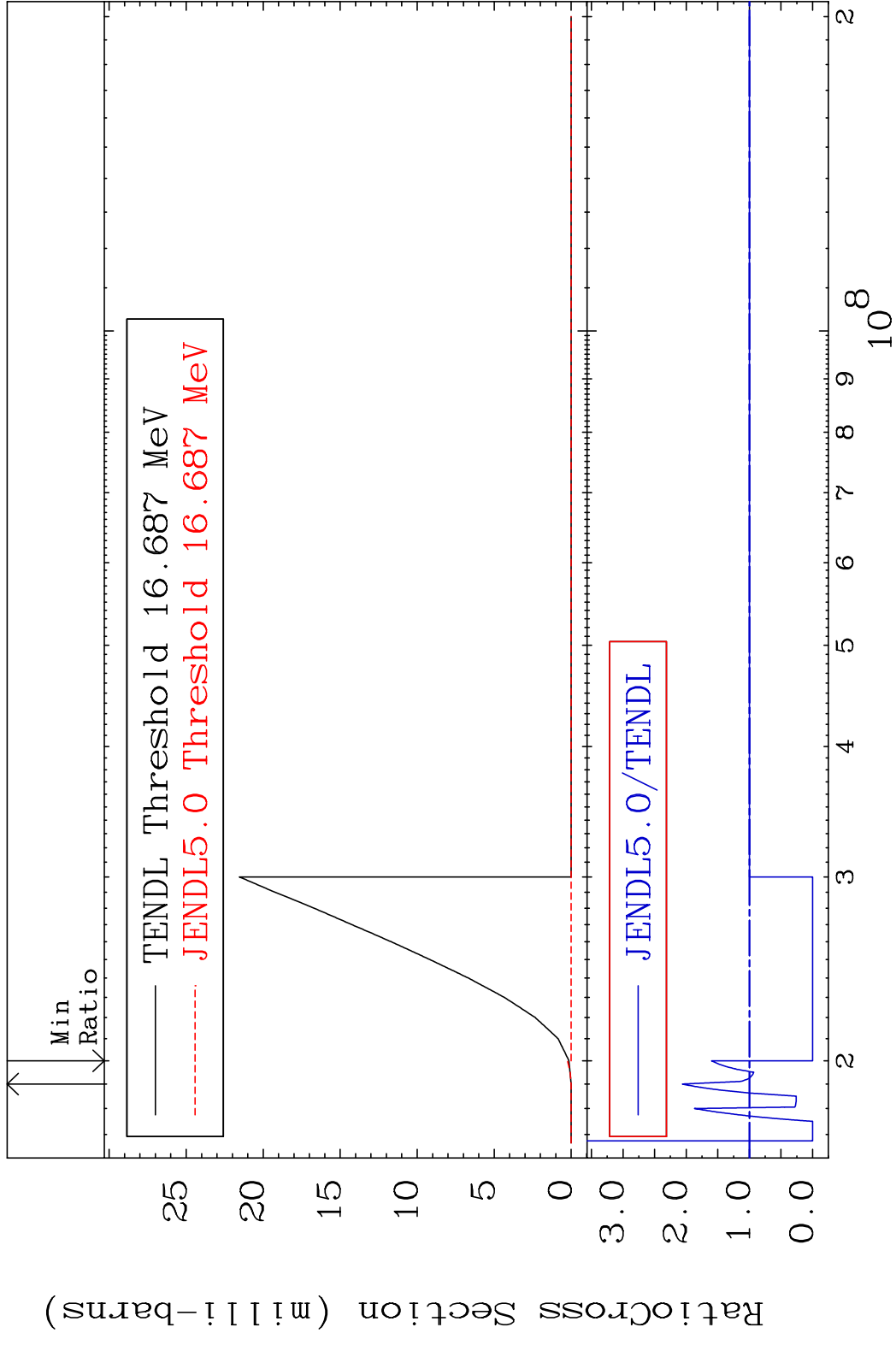
6 Incident Energy (eV) 25-Mn-53

MAT 2519 (n, n') p 25-Mn-53
 Cross Section -100.0 To 9999. %

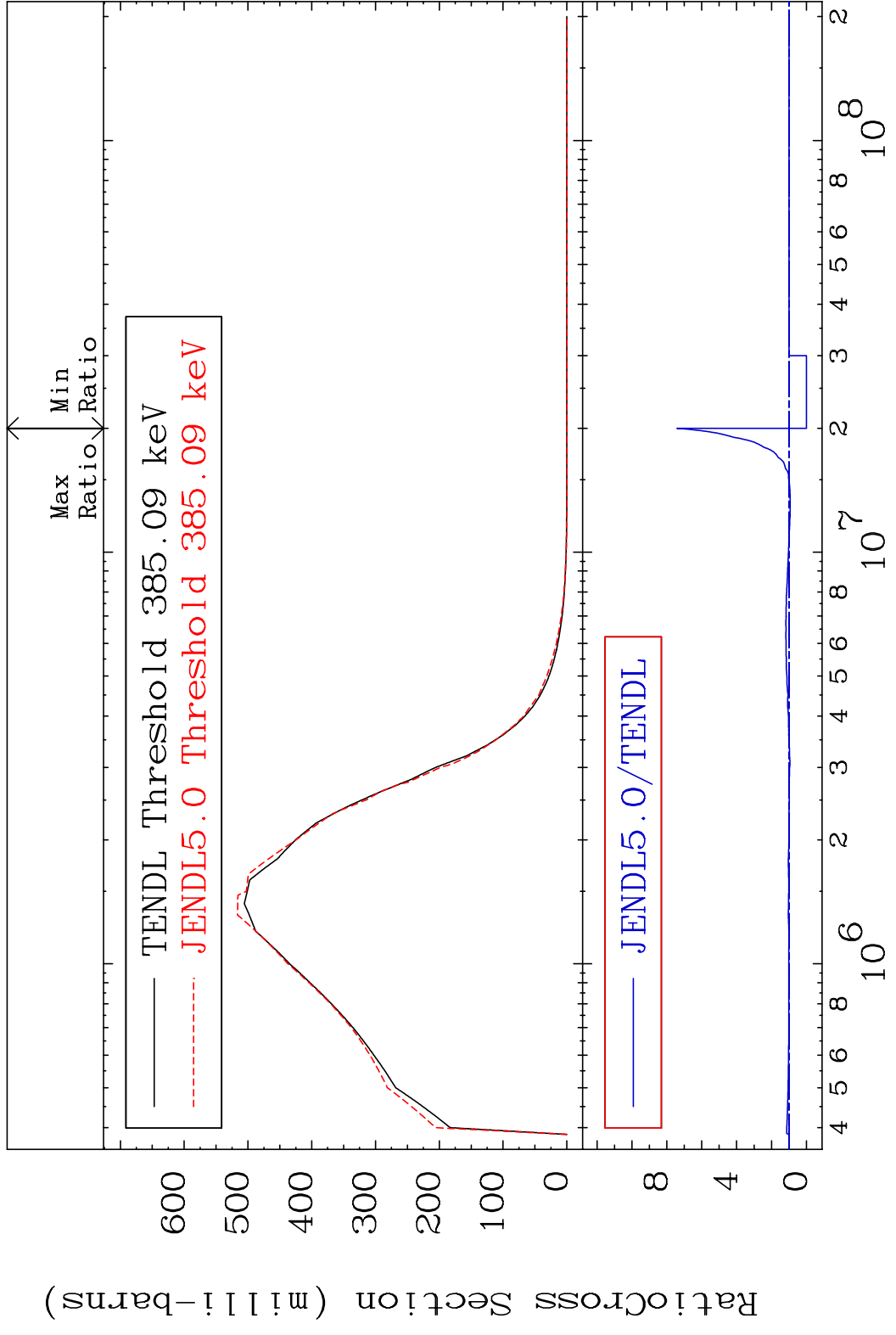


7 Incident Energy (eV) 25-Mn-53

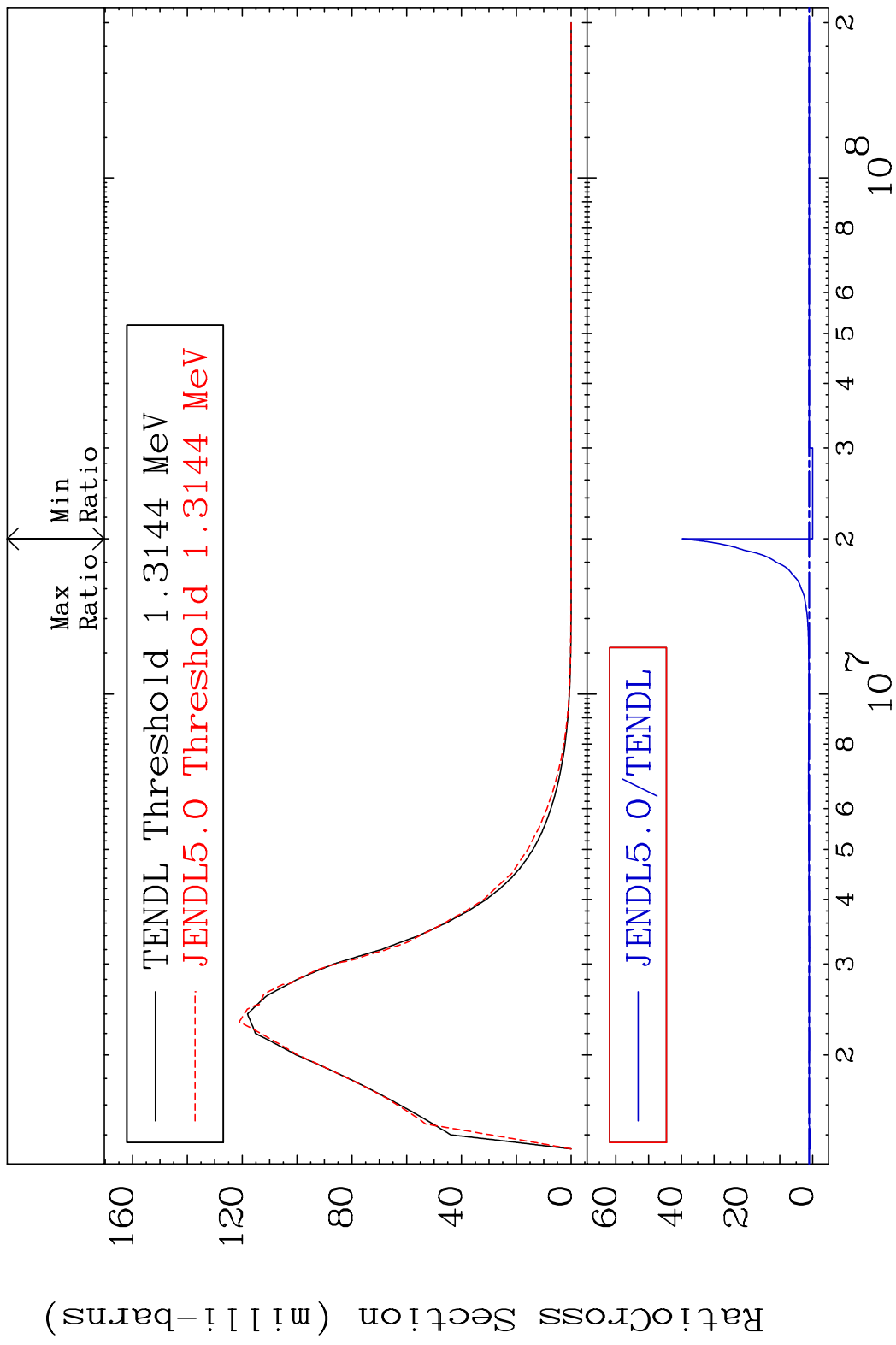
MAT 2519 (n, n') d 25-Mn-53
 Cross Section -100.0 To 106.1 %



MAT 2519 MT= 51 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 640.7 %

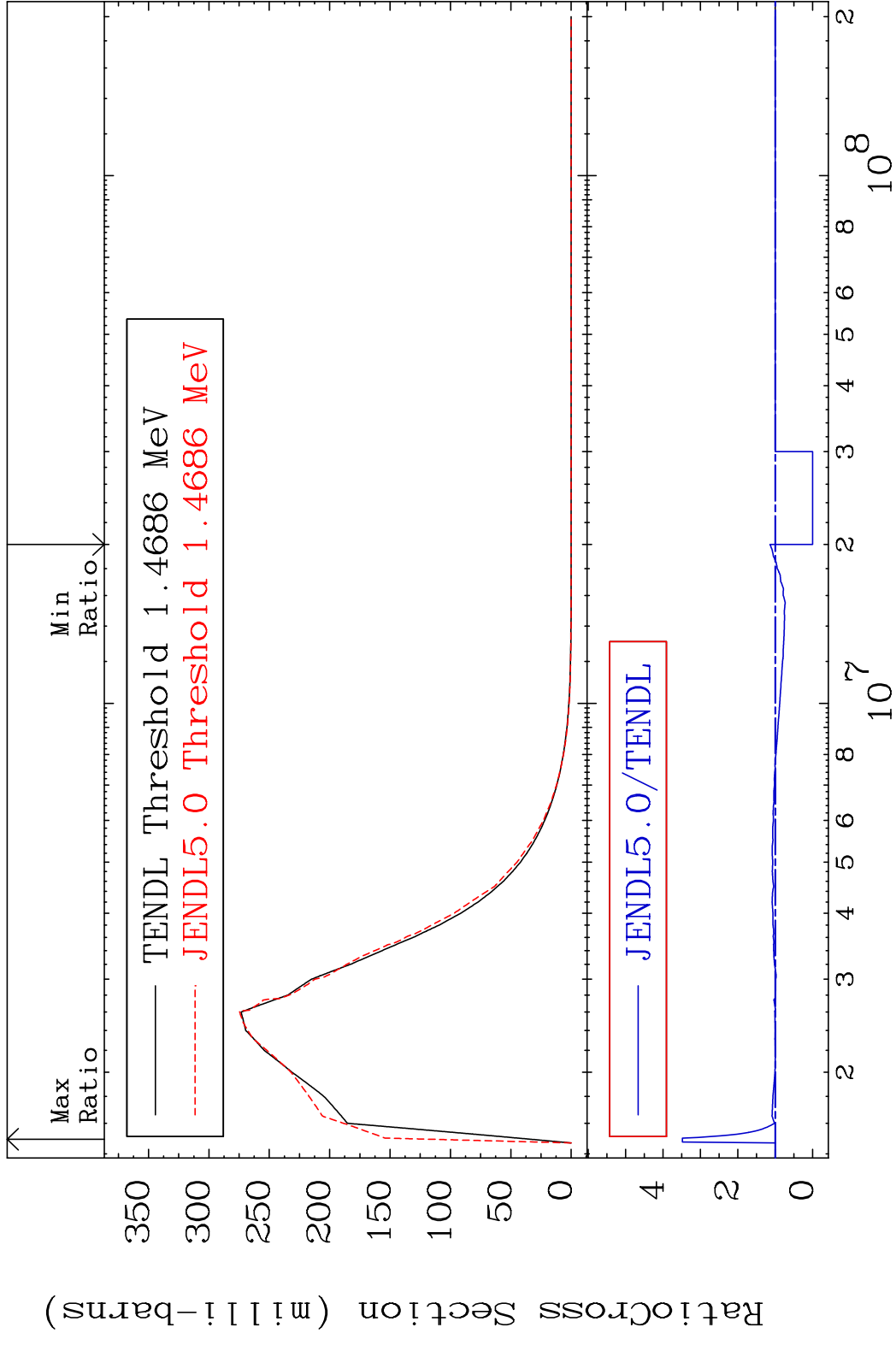


MAT 2519 MT= 52 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 3870. %

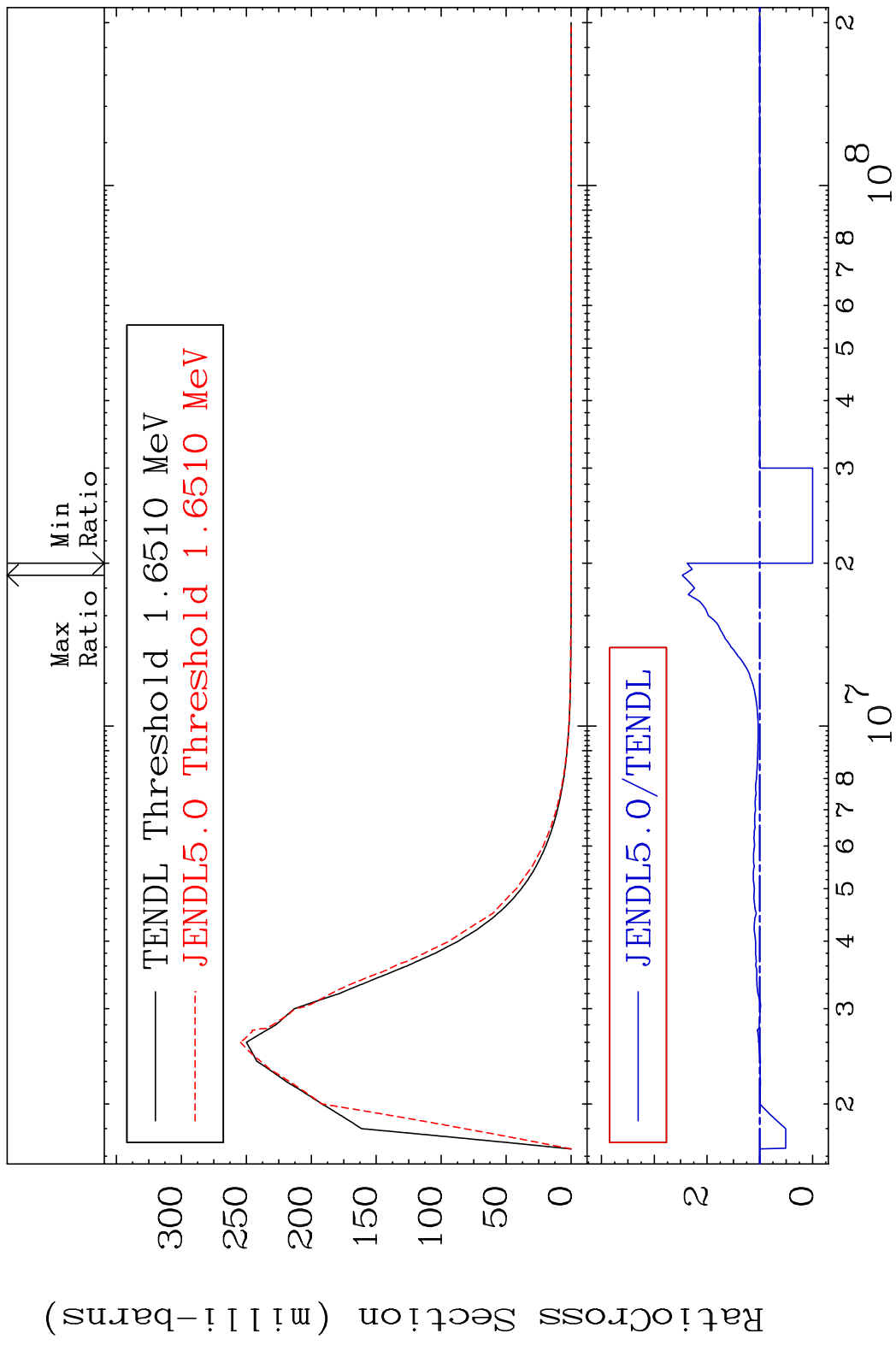


10 Incident Energy (eV) 25-Mn-53

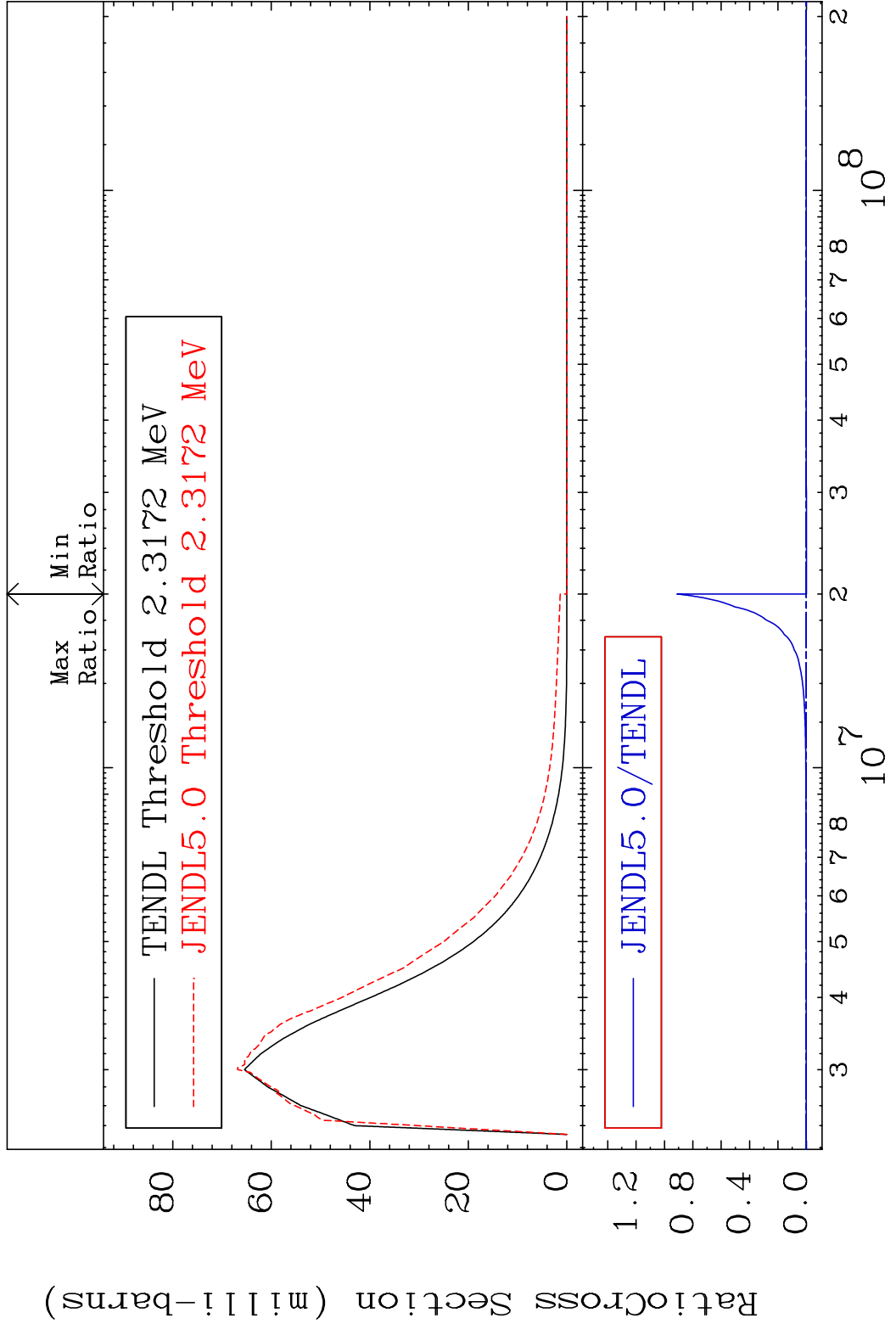
MAT 2519 MT= 53 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 248.1 %



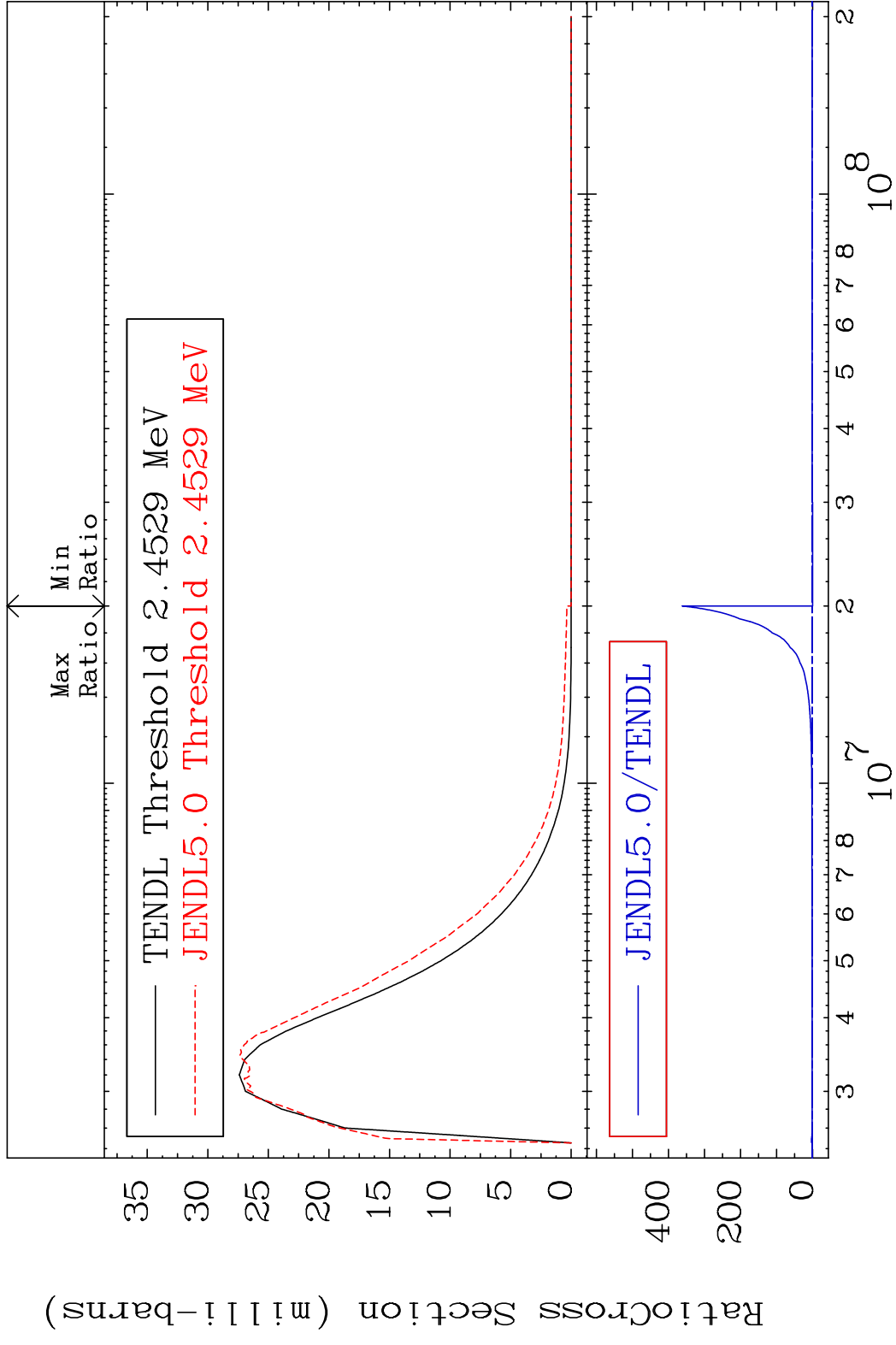
MAT 2519 MT= 54 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 146.8 %



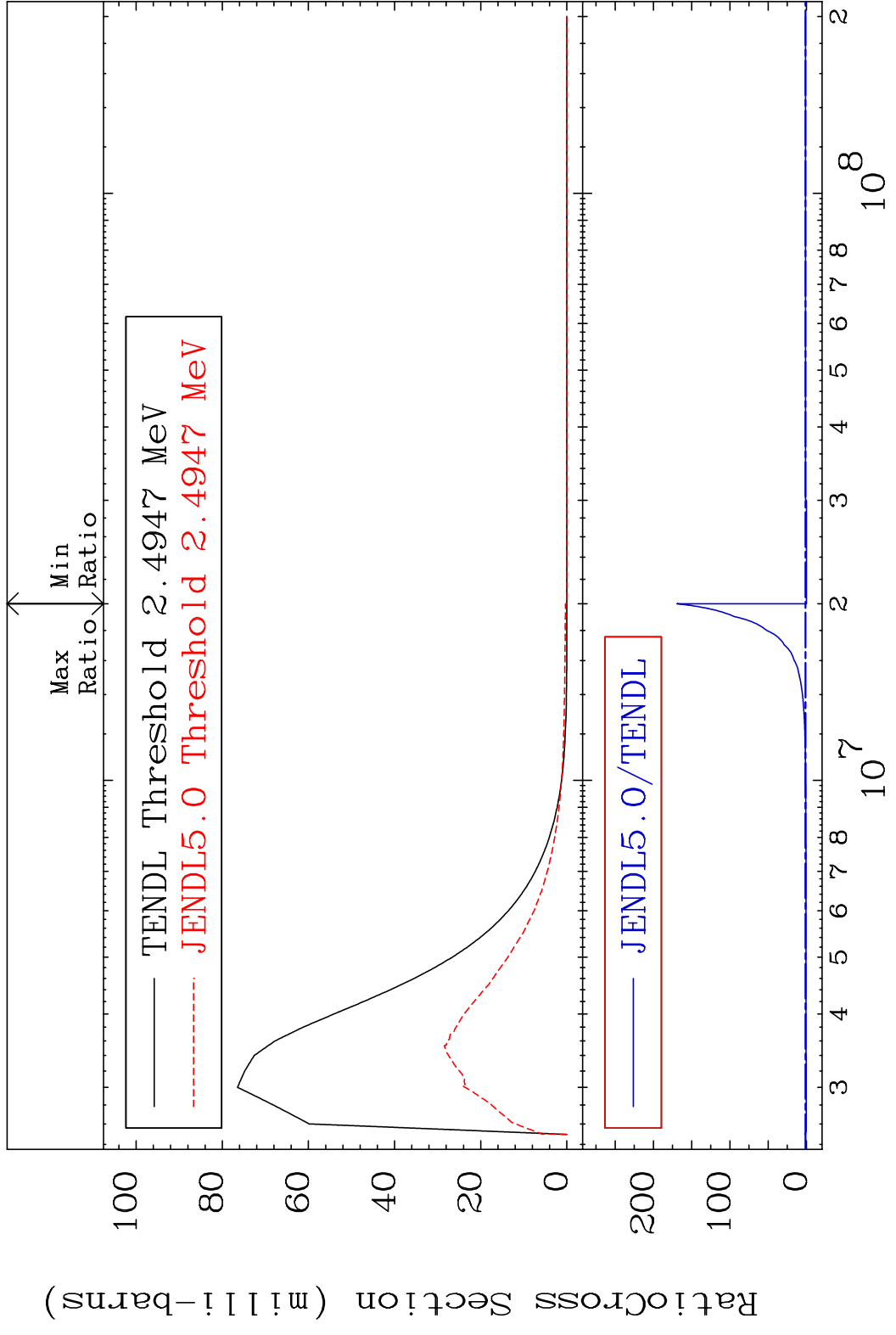
MAT 2519 MT= 55 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %



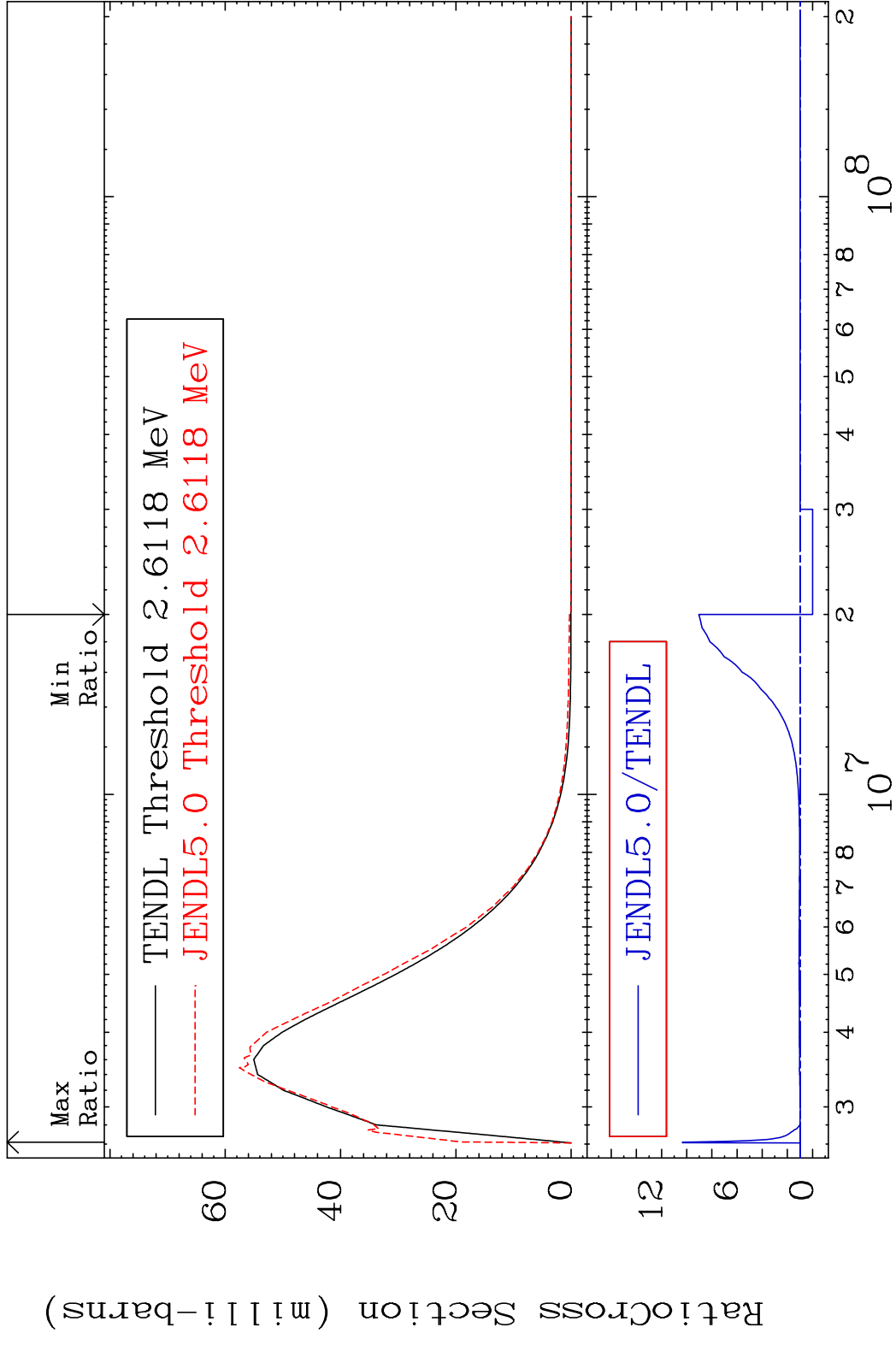
MAT 2519 MT= 56 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %



MAT 2519 MT= 57 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %

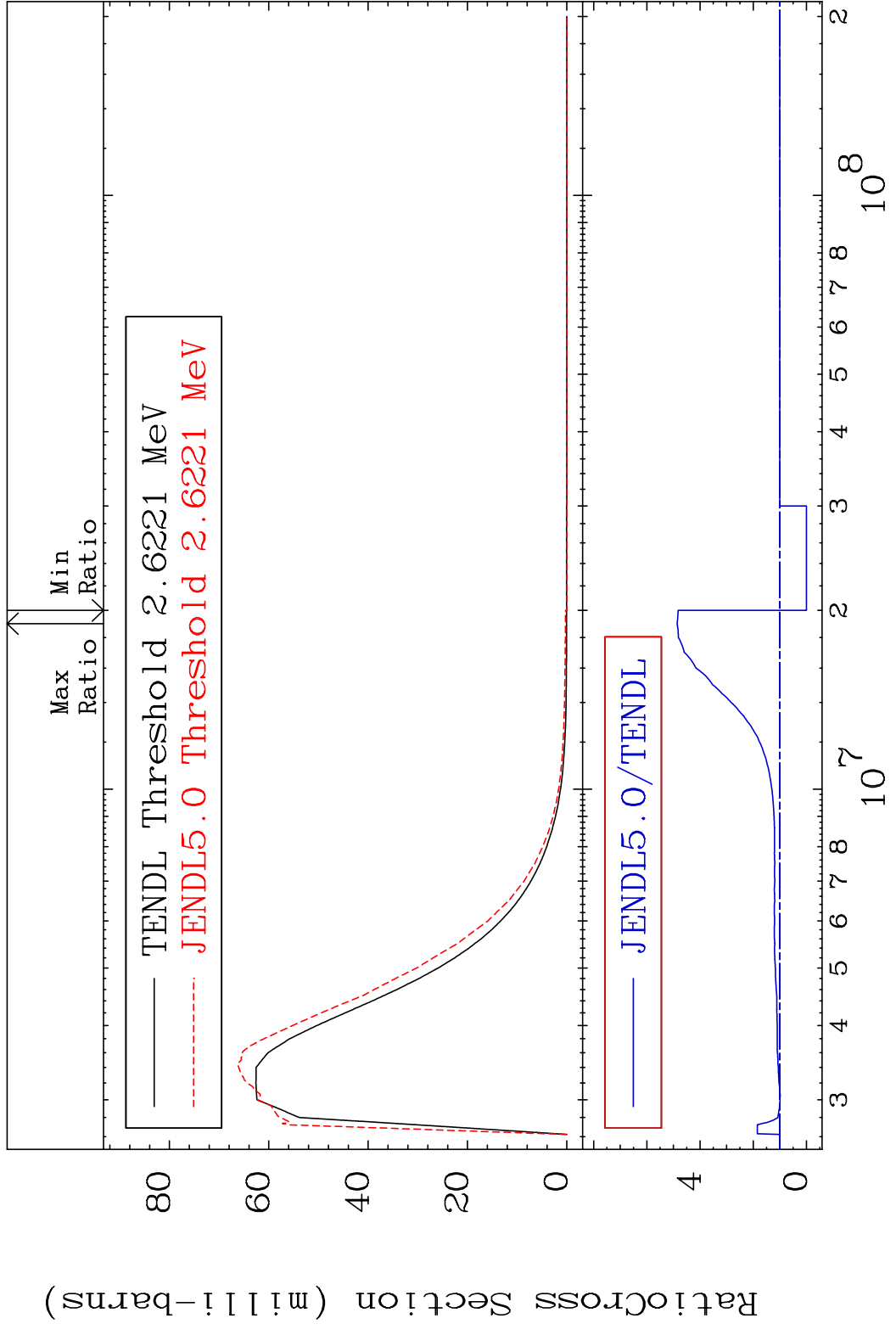


MAT 2519 MT= 58 (n,n') Level 25-Mn-53
 Cross Section -100.0 To 934.9 %



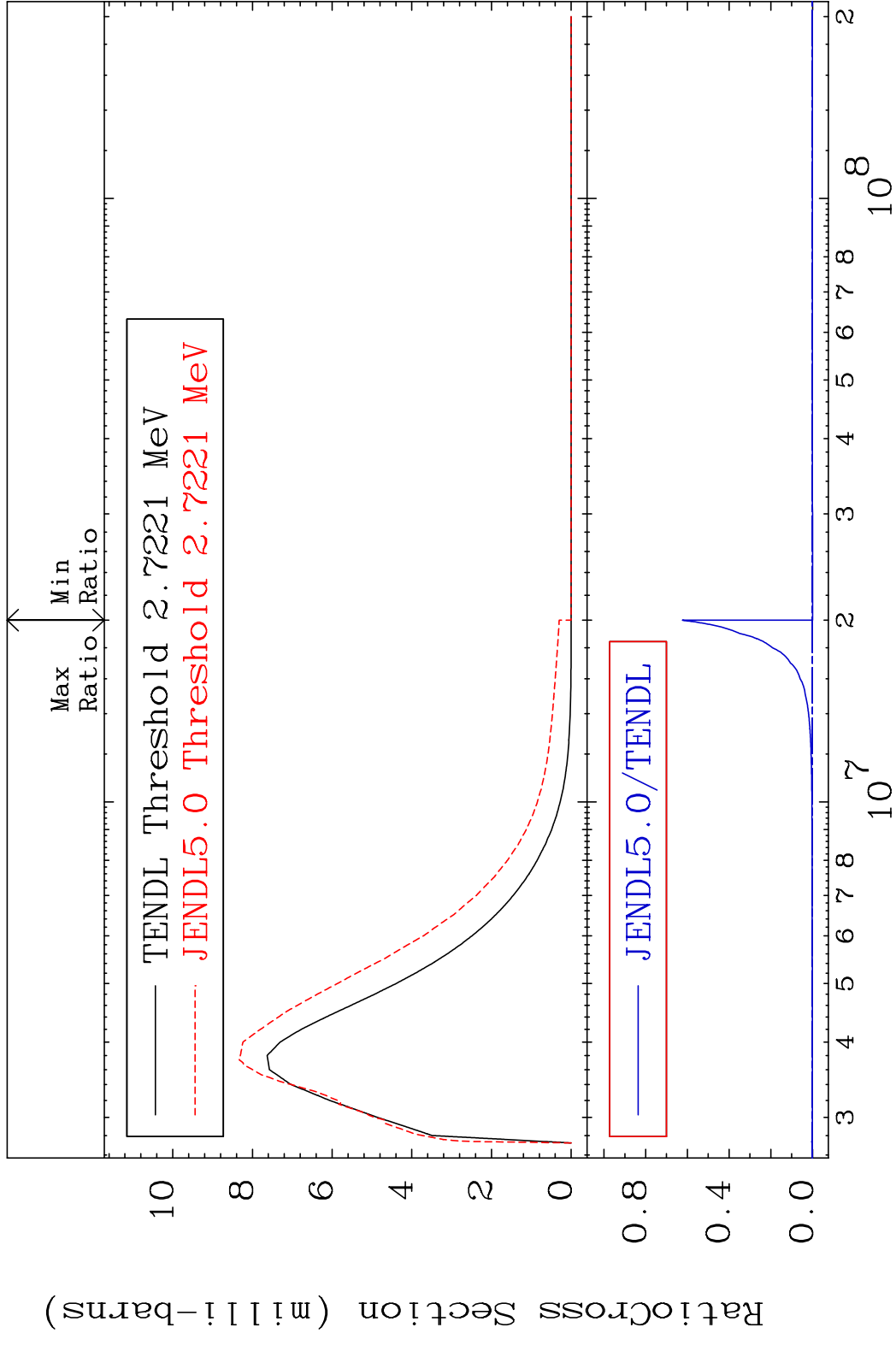
16 25-Mn-53

MAT 2519 MT= 59 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 385.9 %

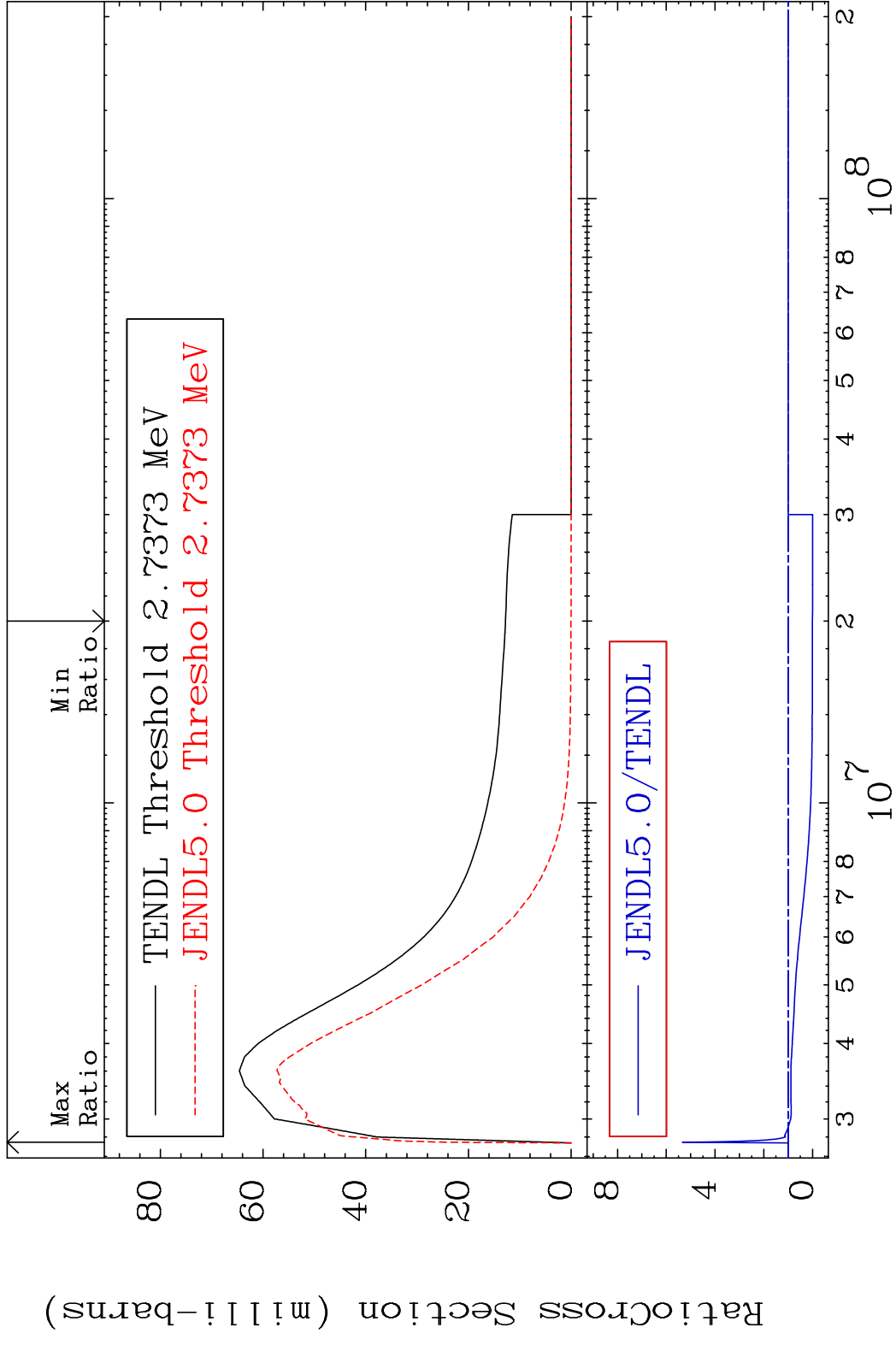


17 25-Mn-53

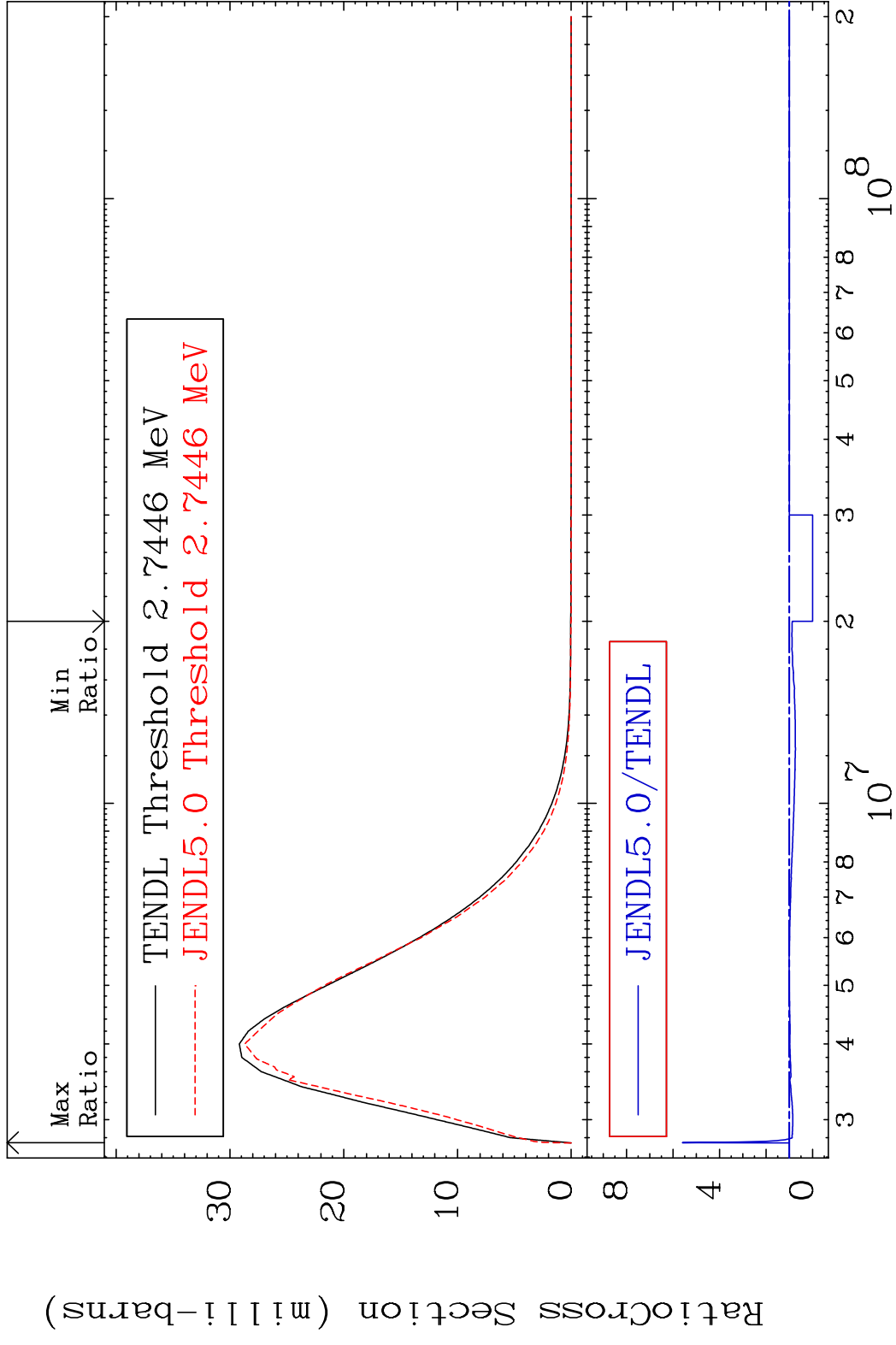
MAT 2519 MT= 60 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %



MAT 2519 MT= 61 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 434.0 %

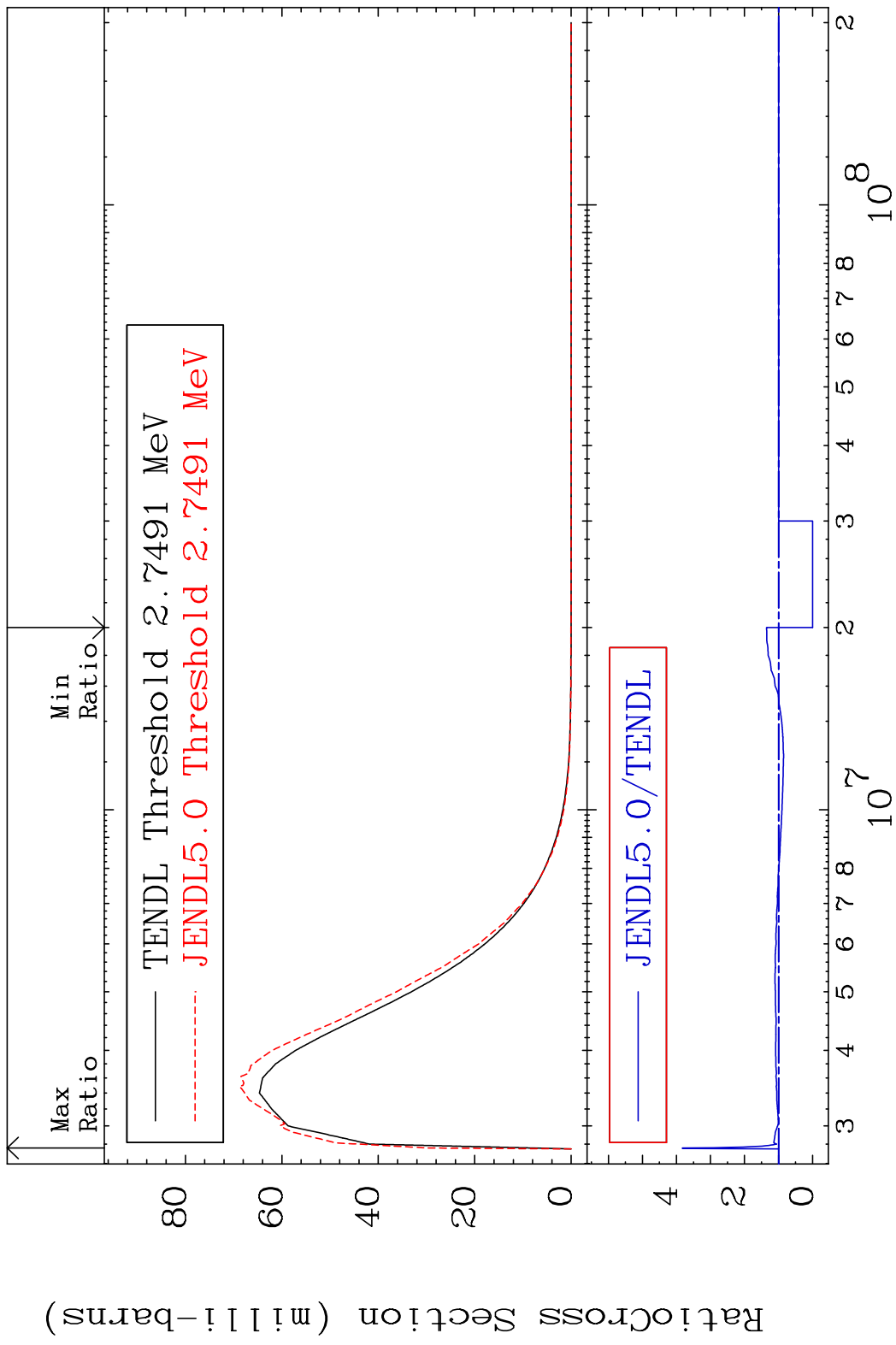


MAT 2519 MT= 62 (n,n') Level 25-Mn-53
 Cross Section -100.0 To 460.0 %

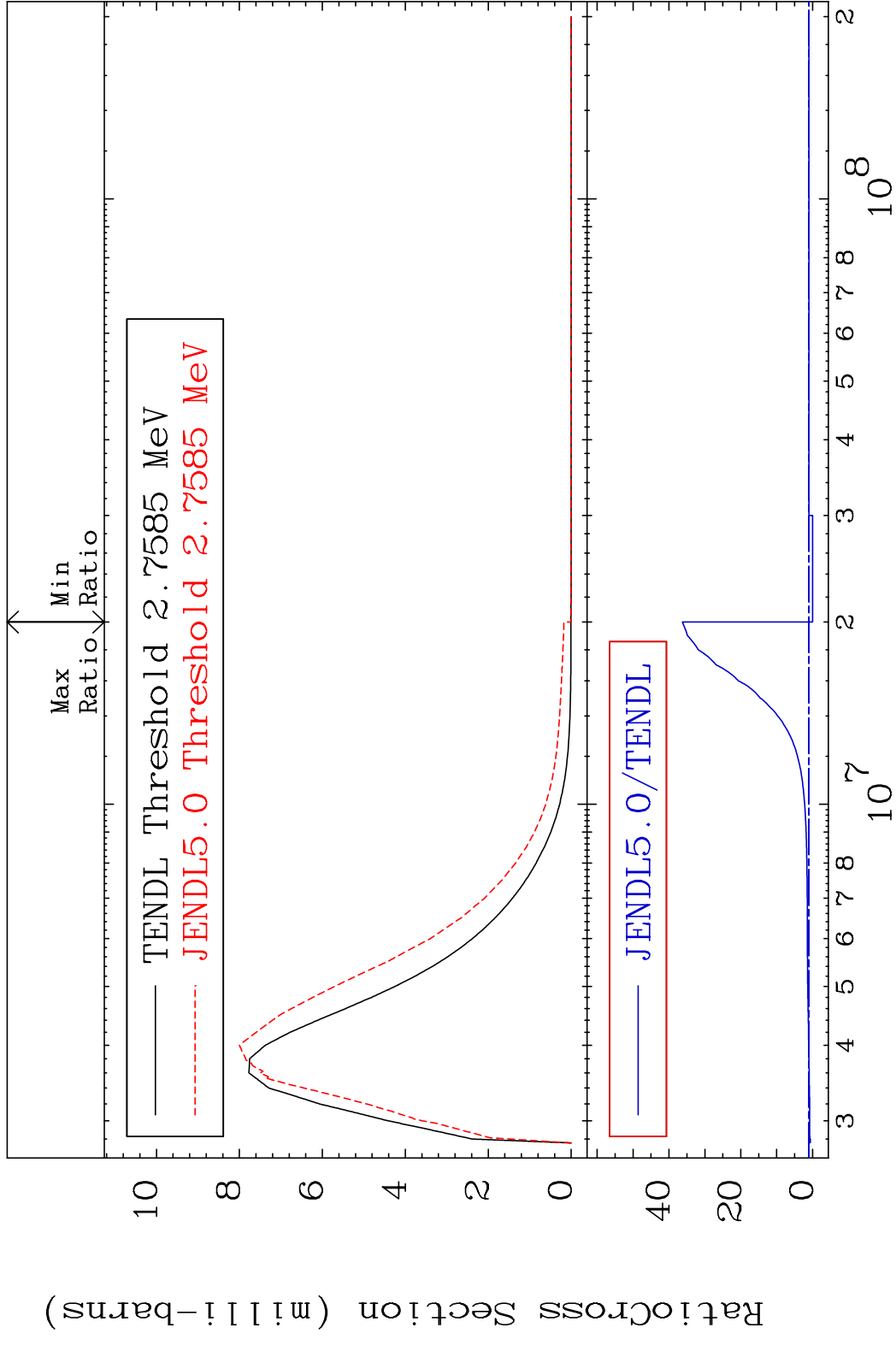


20 Incident Energy (eV) 25-Mn-53

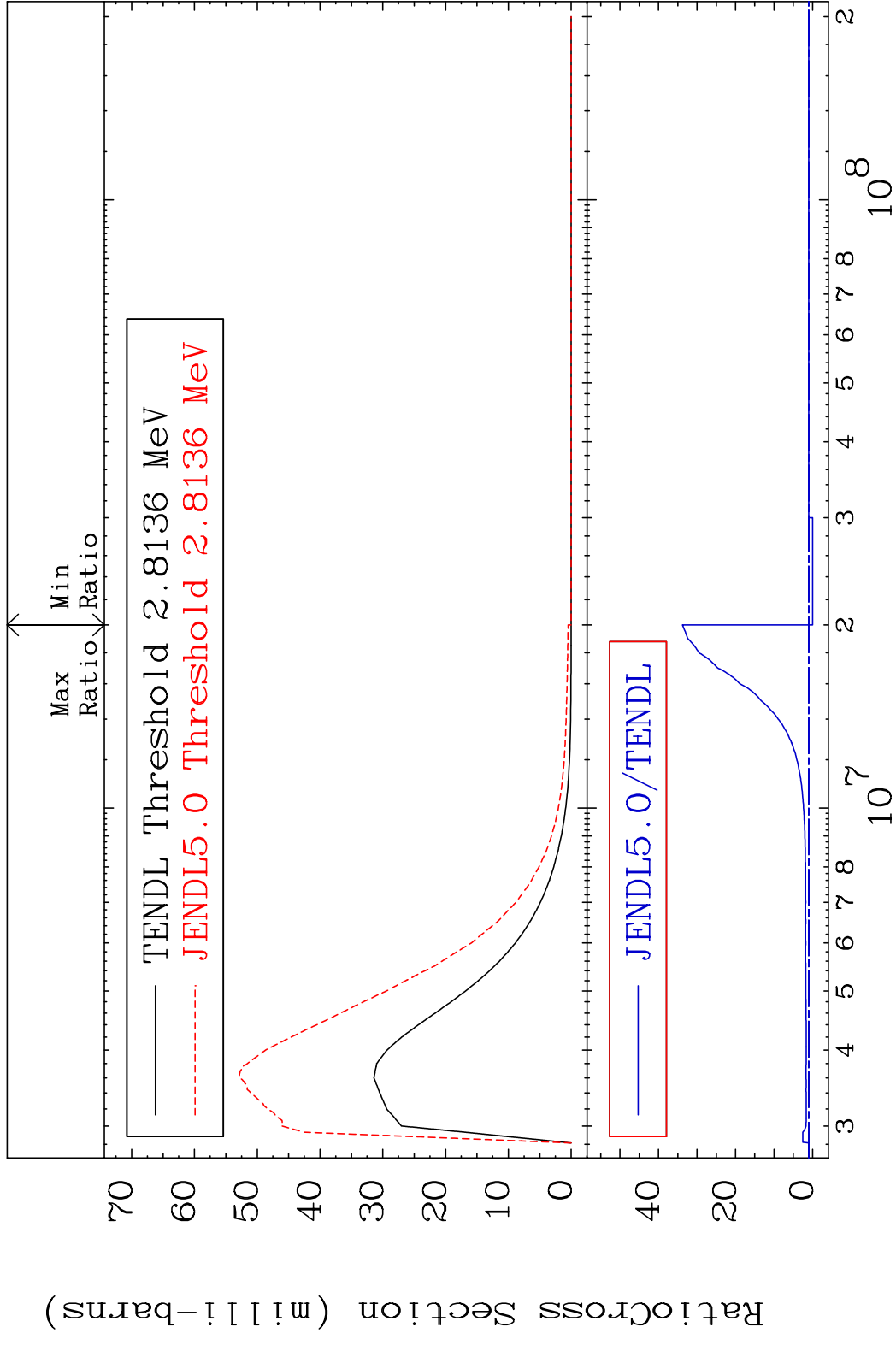
MAT 2519 MT= 63 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 282.7 %



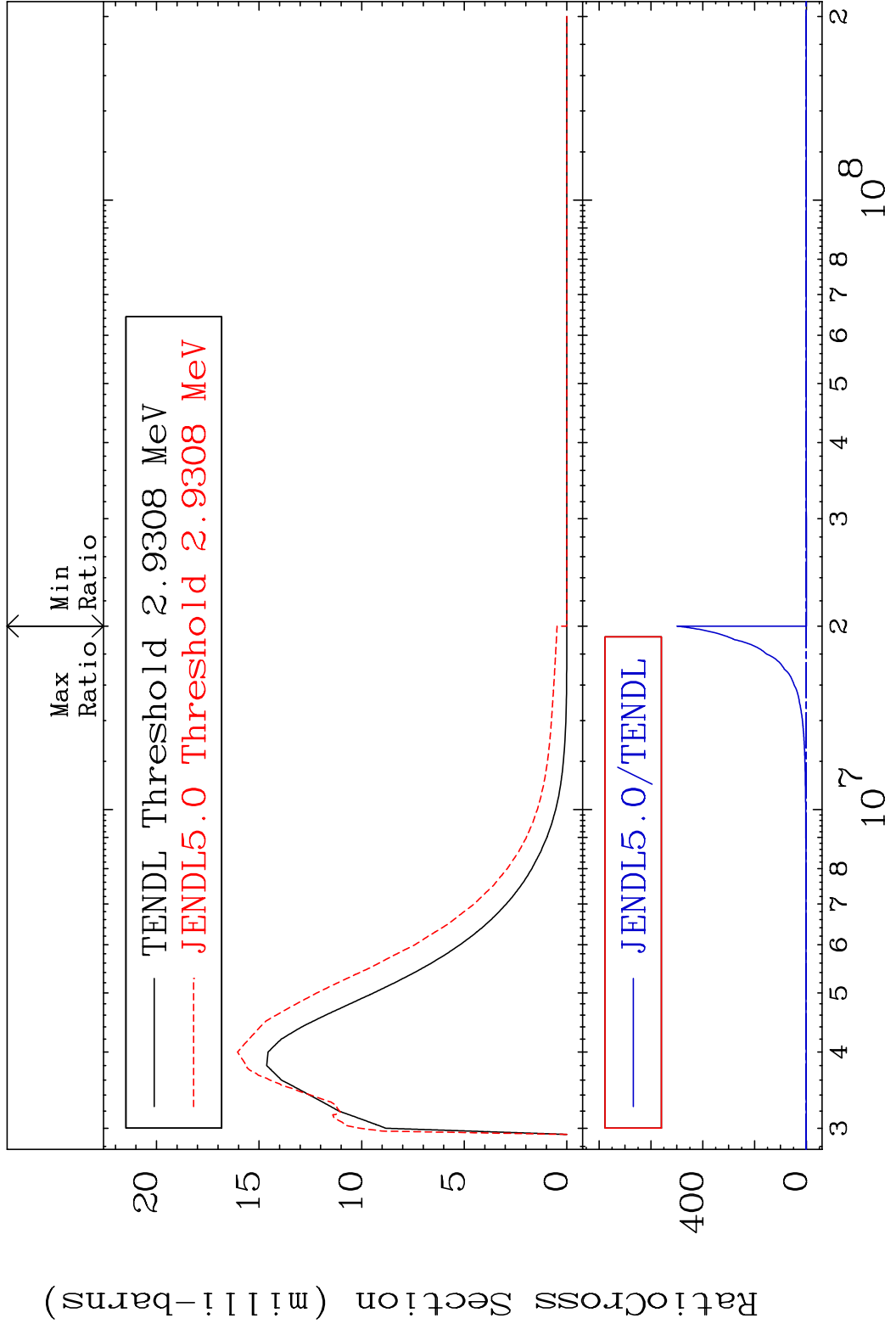
MAT 2519 MT= 64 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 3527. %



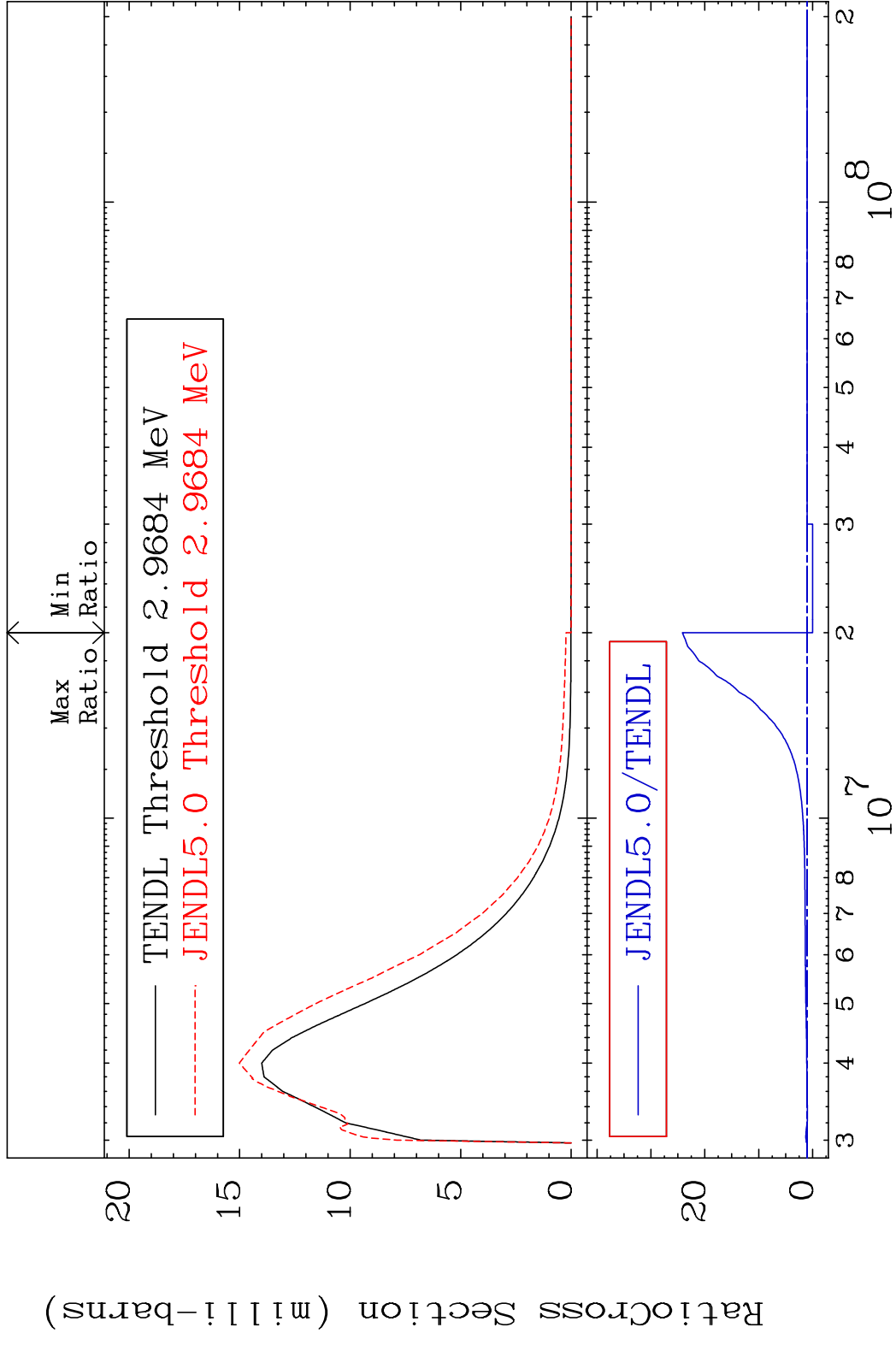
MAT 2519 MT= 65 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 3281. %



MAT 2519 MT= 66 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %

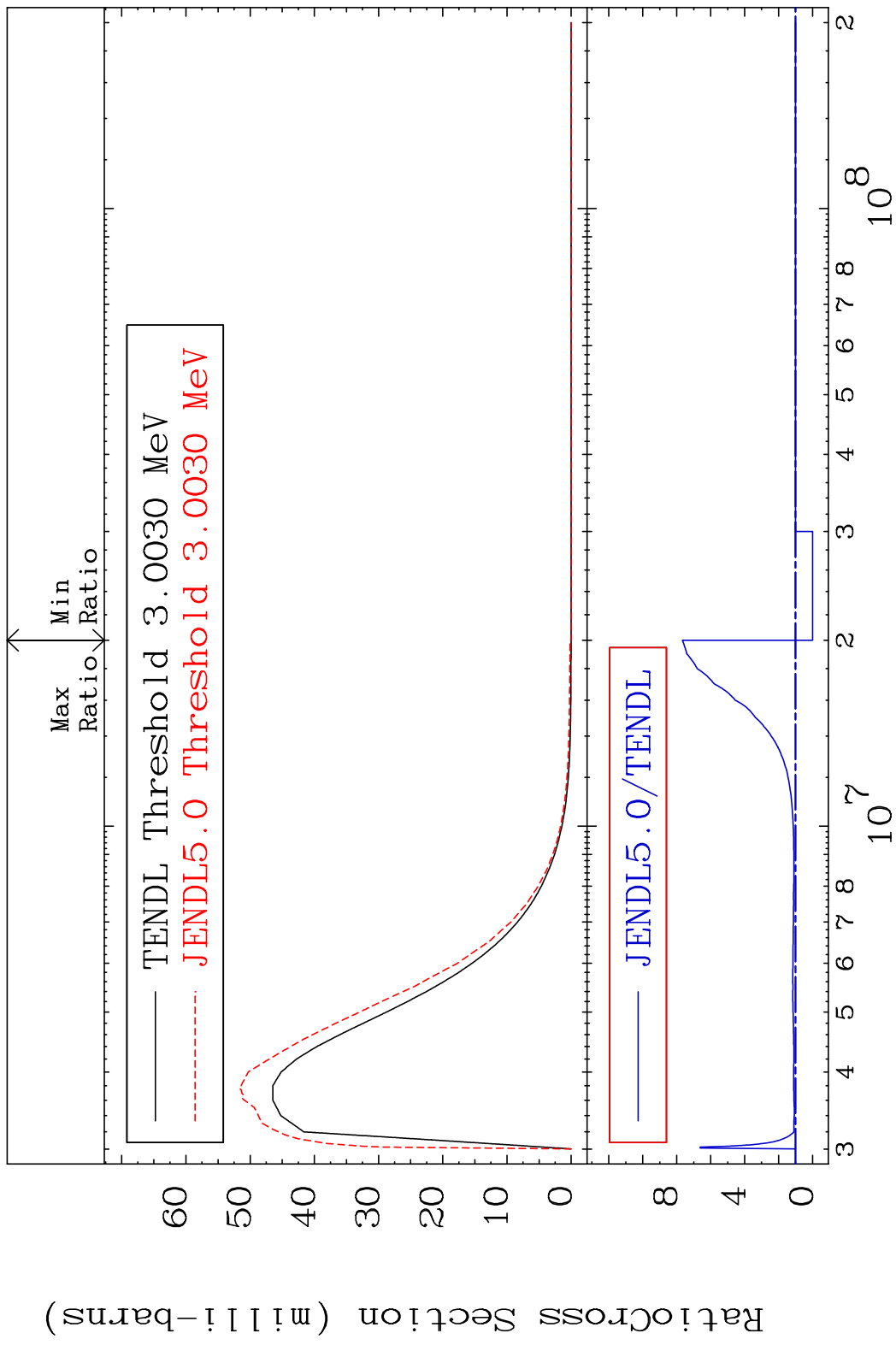


MAT 2519 MT= 67 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 2317. %



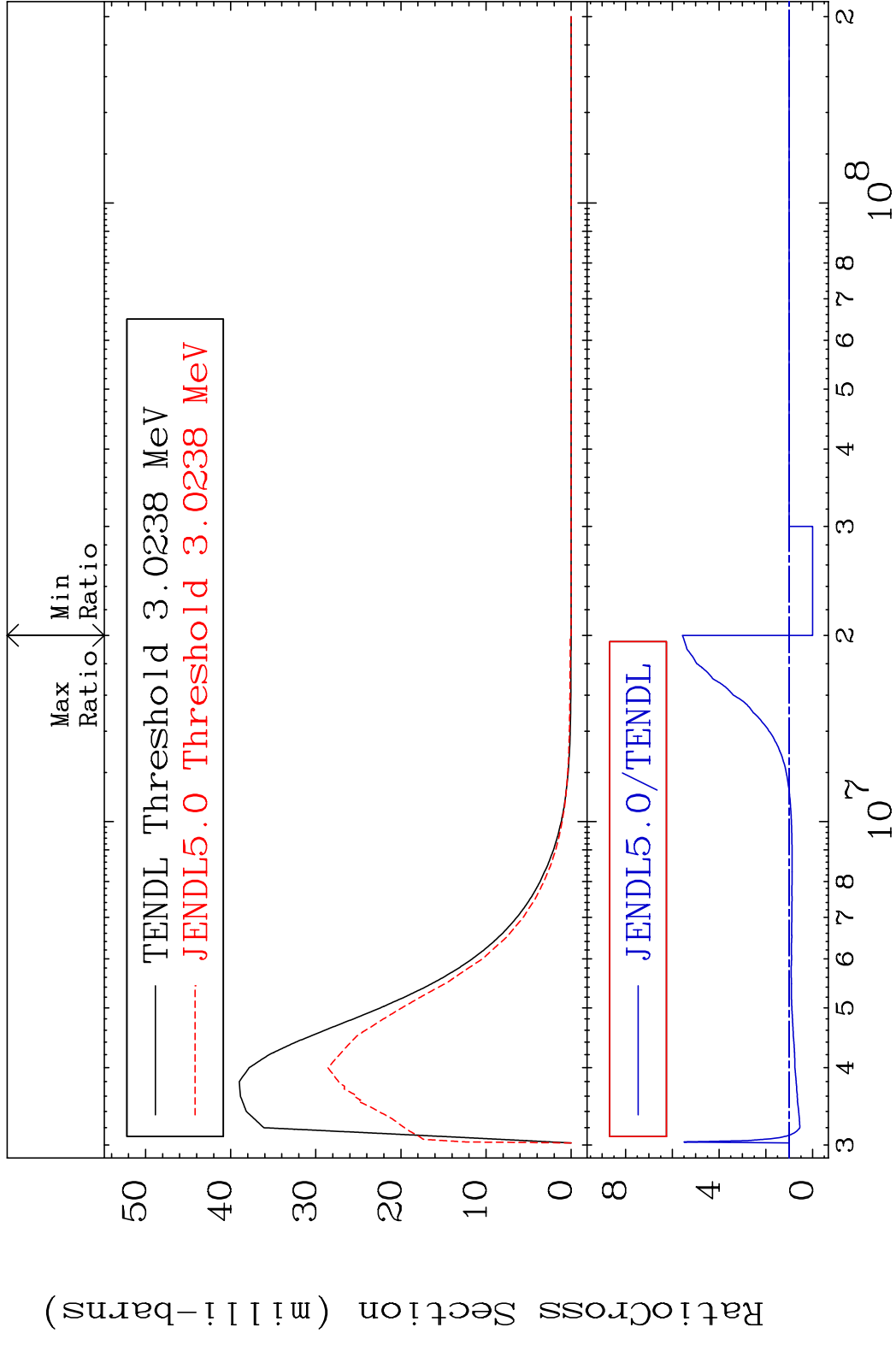
25 25-Mn-53

MAT 2519 MT= 68 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 666.8 %

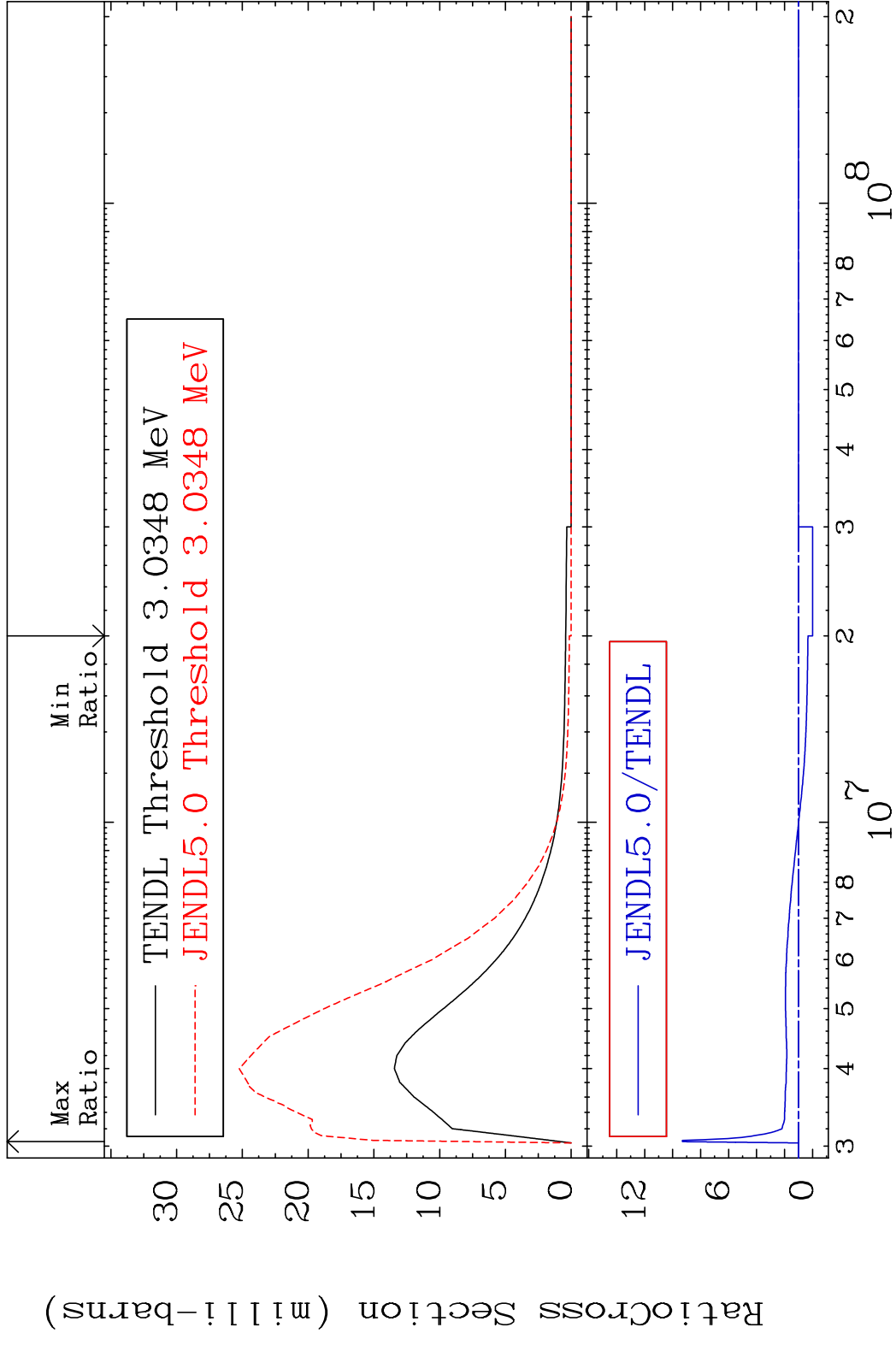


26 Incident Energy (eV) 25-Mn-53

MAT 2519 MT= 69 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 457.1 %

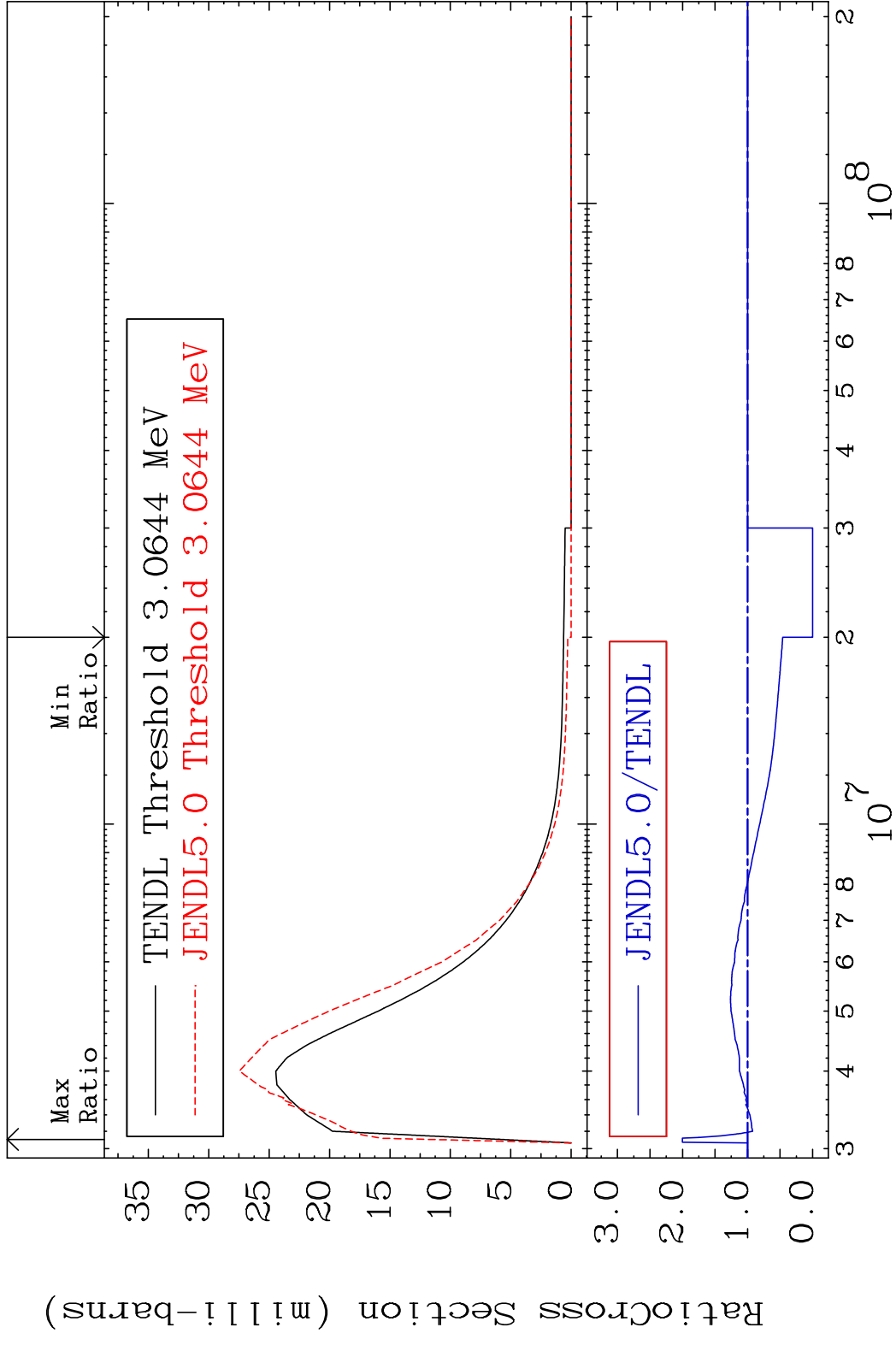


MAT 2519 MT= 70 (n,n') Level 25-Mn-53
 Cross Section -100.0 To 830.8 %

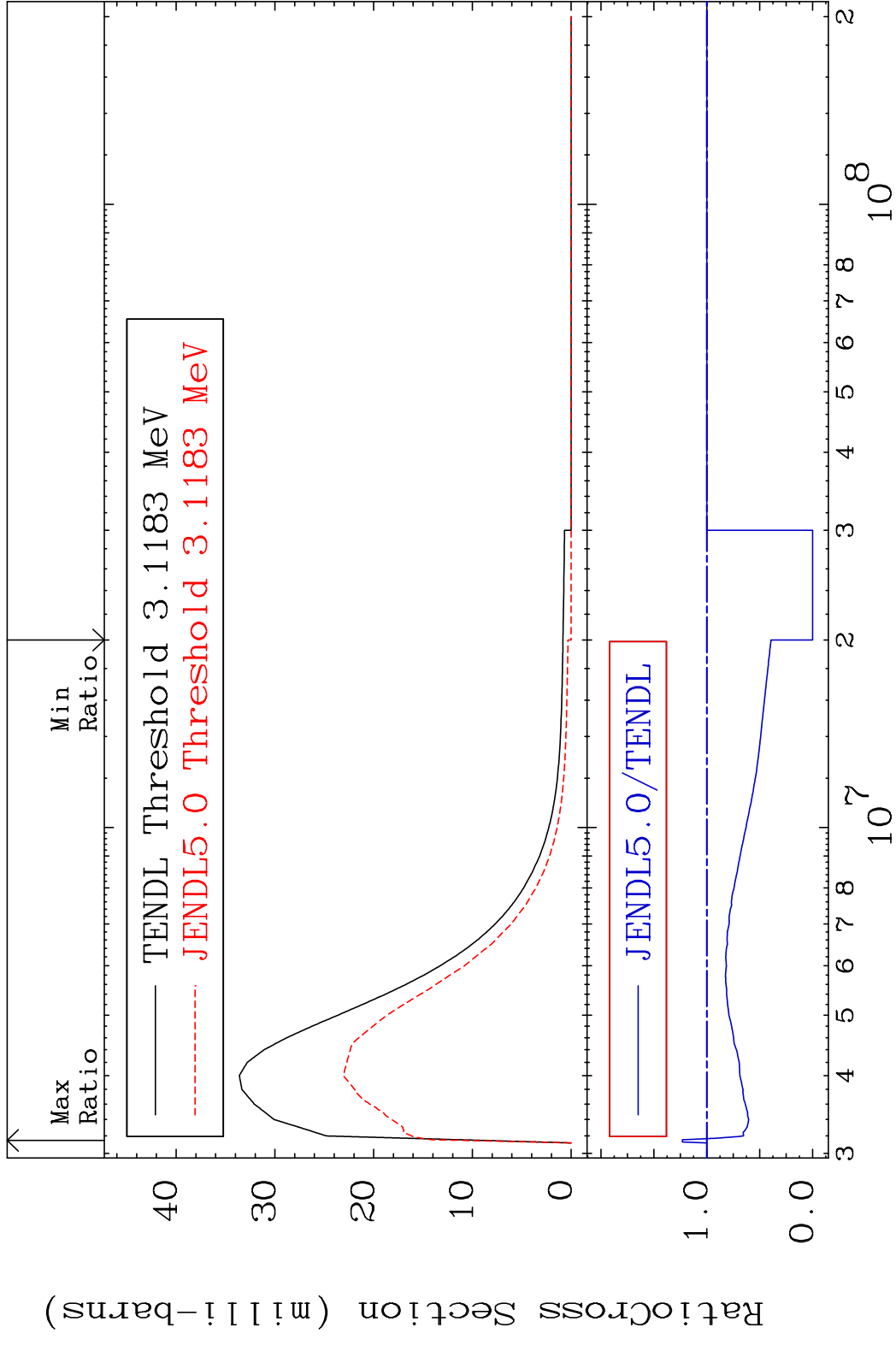


28 Incident Energy (eV) 25-Mn-53

MAT 2519 MT= 71 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 100.3 %

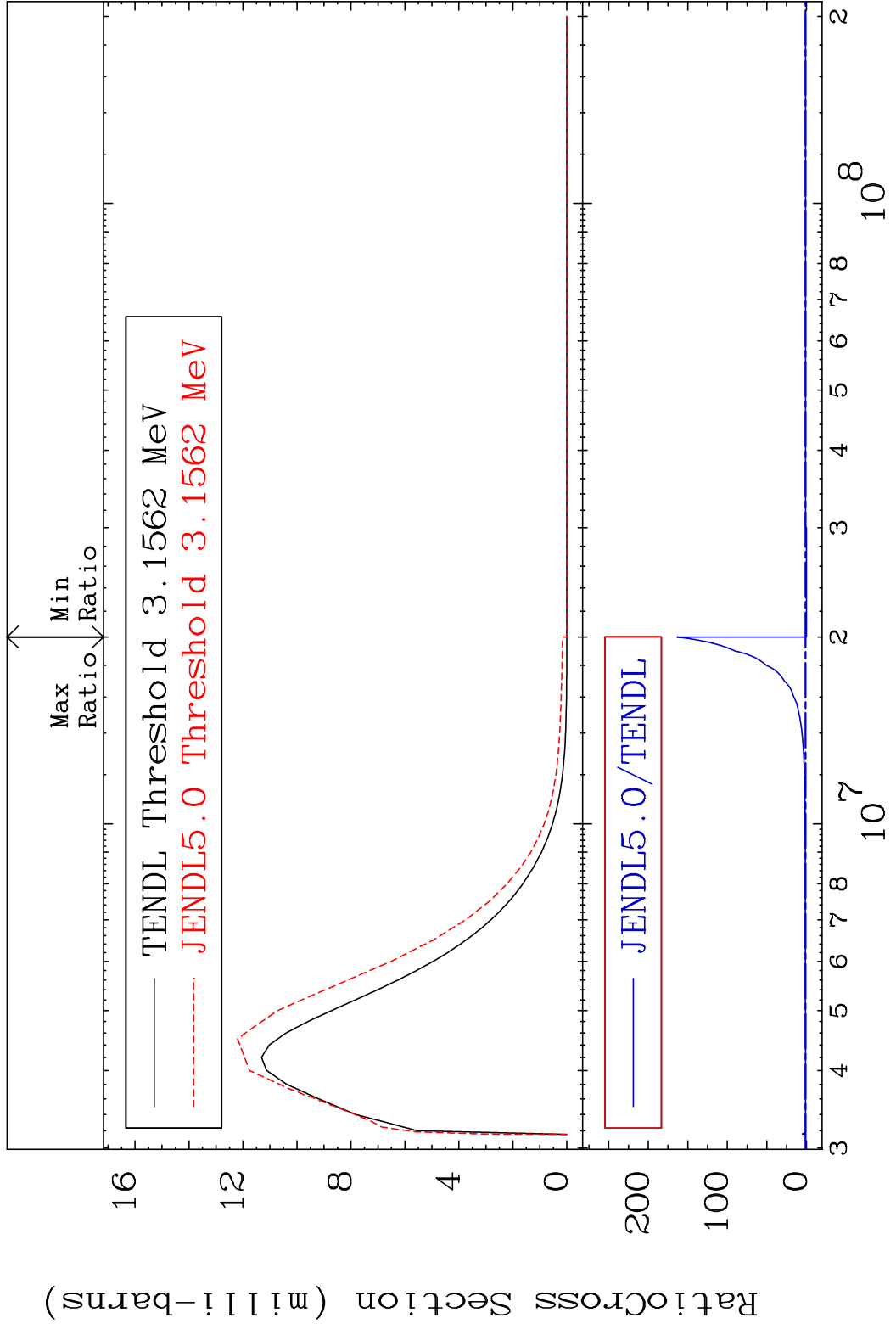


MAT 2519 MT= 72 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 23.04 %

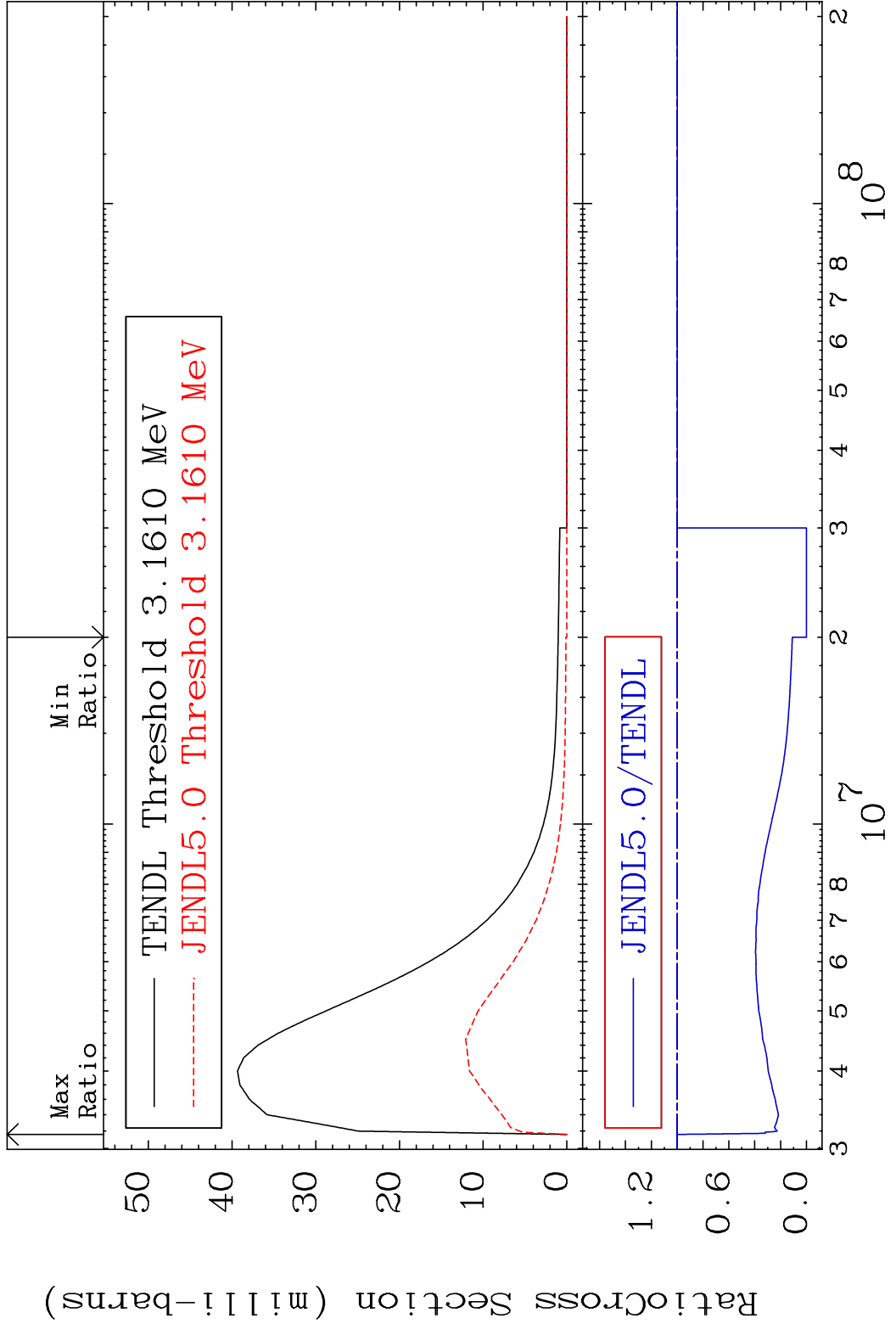


30 Incident Energy (eV) 25-Mn-53

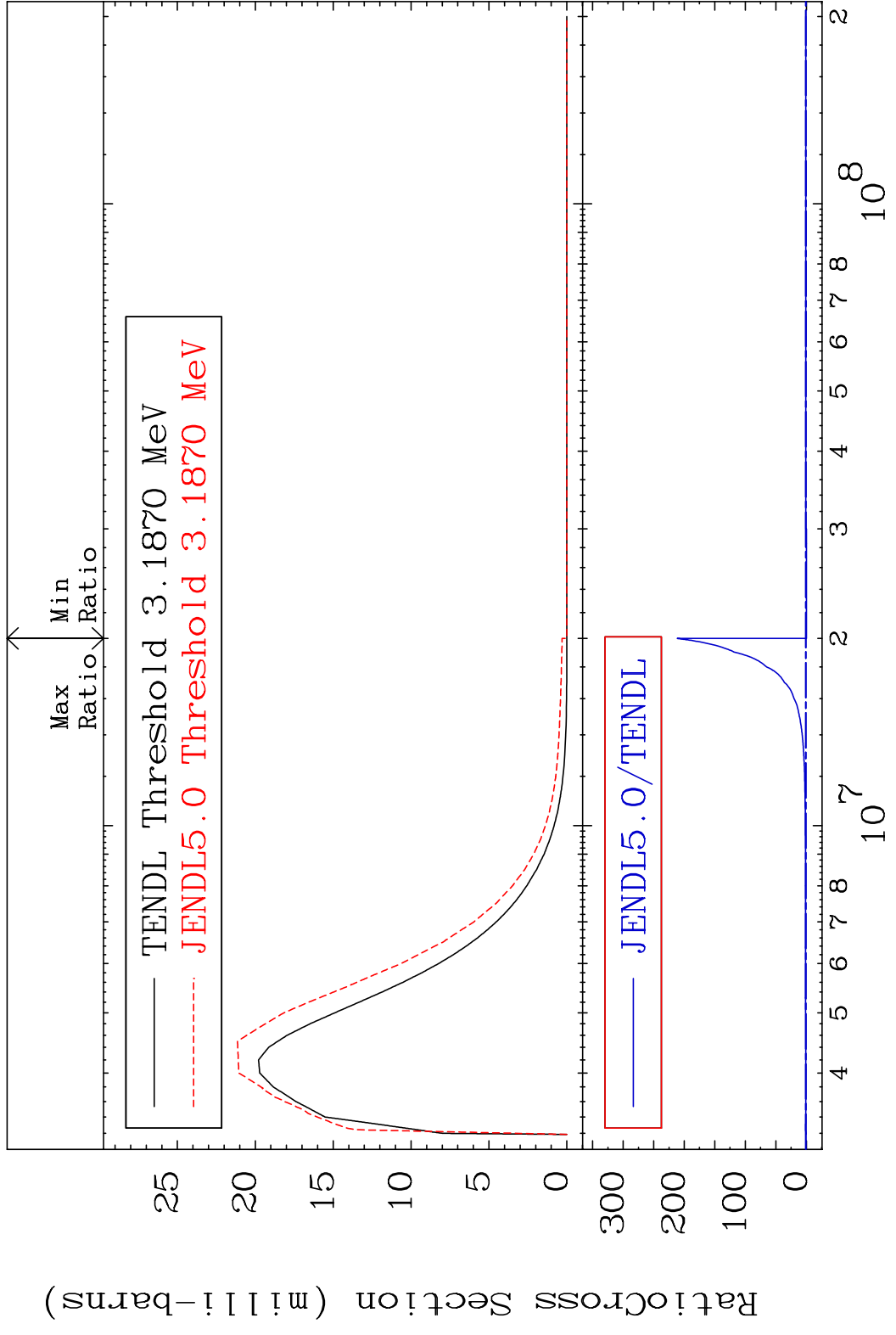
MAT 2519 MT= 73 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %



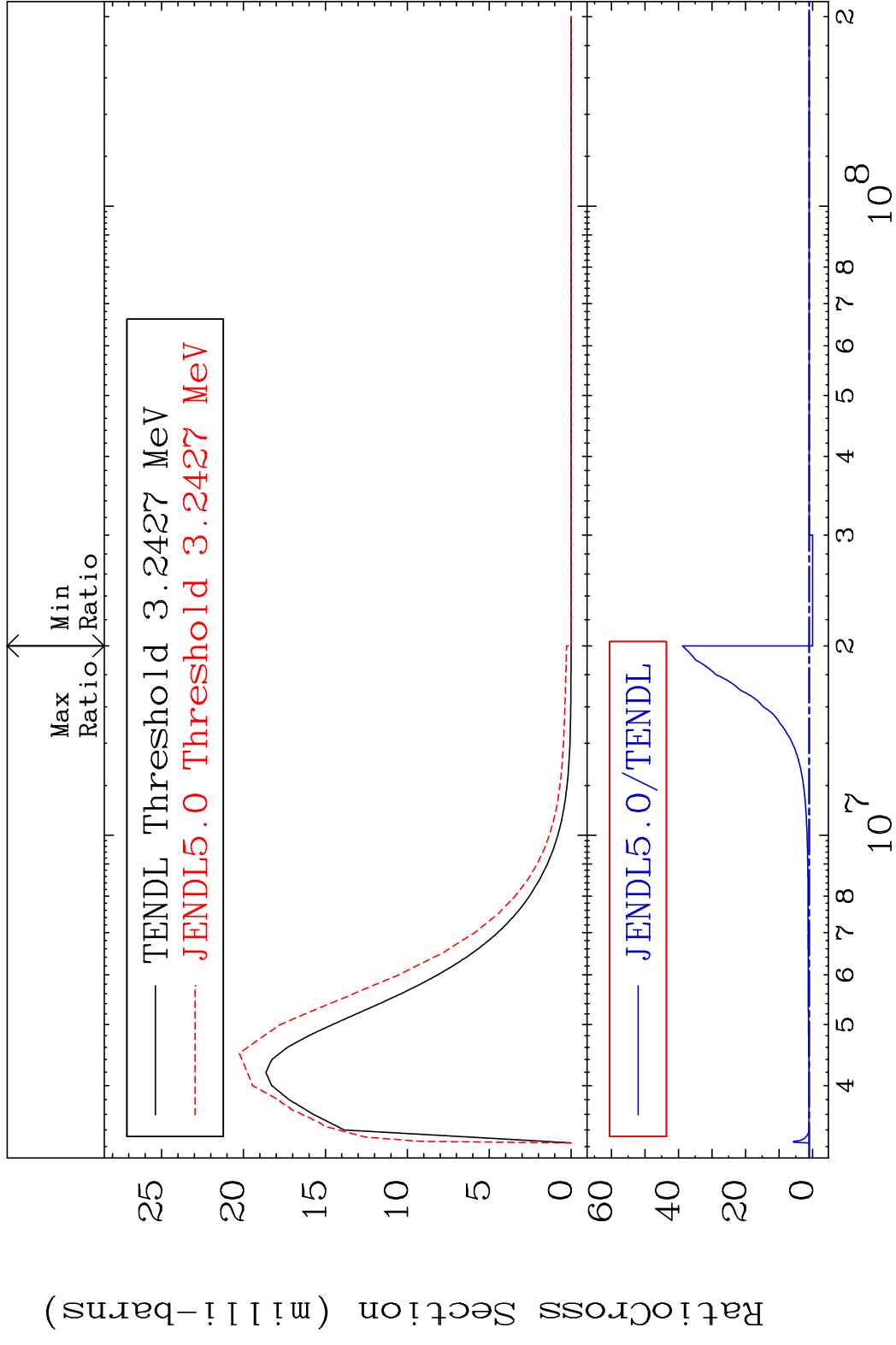
MAT 2519 MT= 74 (n,n') Level 25-Mn-53
 Cross Section -100.0 To 0.000 %



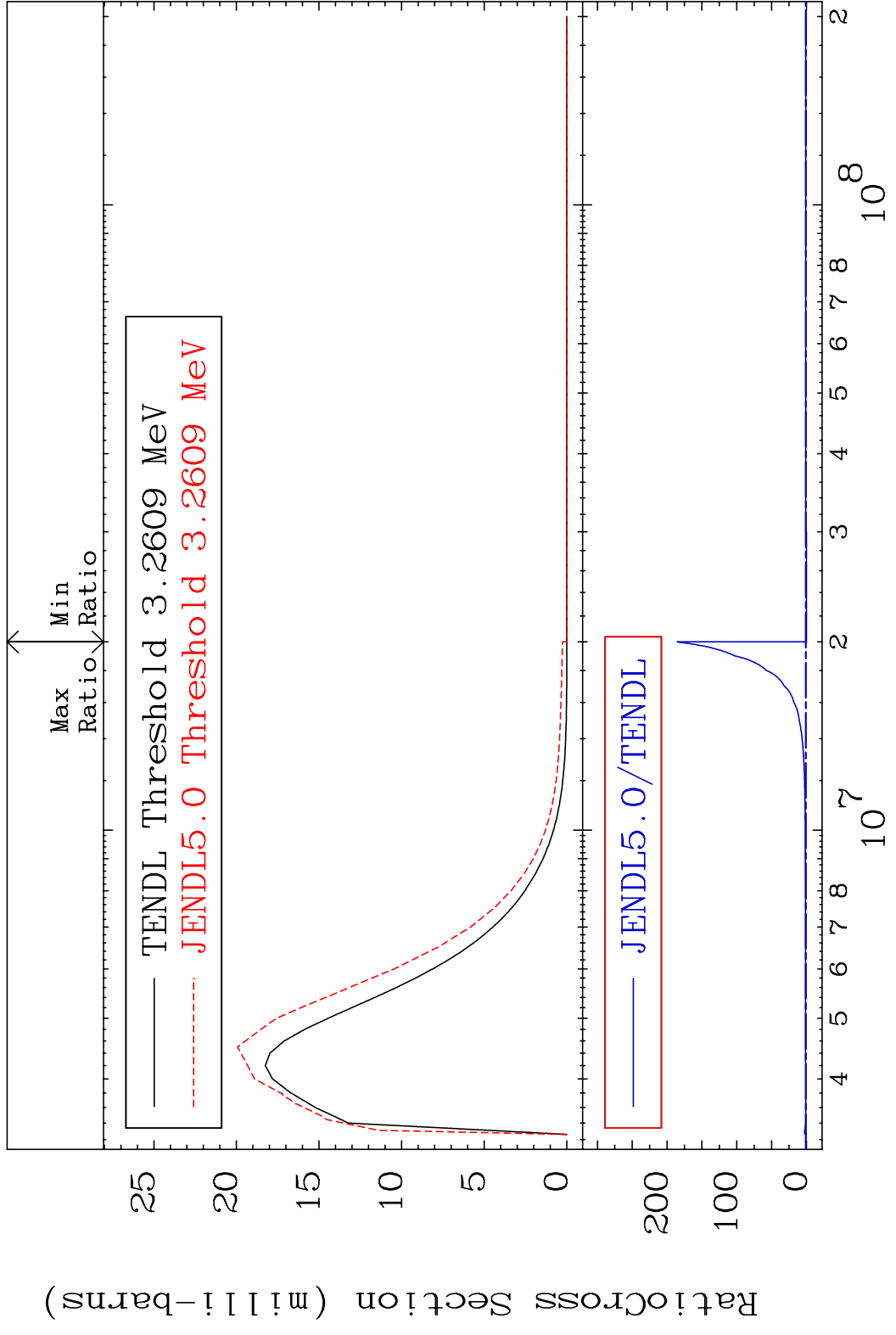
MAT 2519 MT= 75 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %

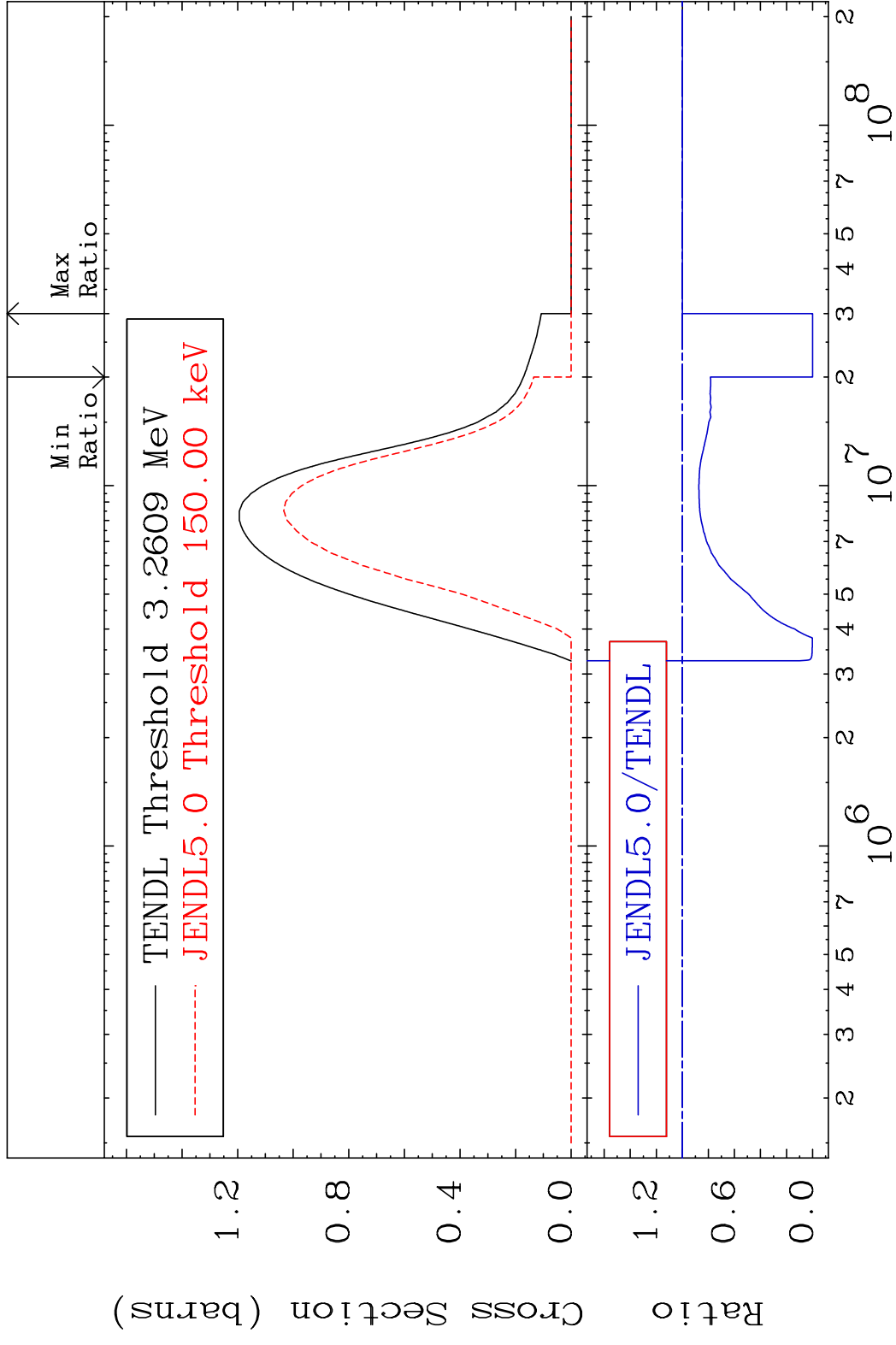


MAT 2519 MT= 76 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 3784. %



MAT 2519 MT= 77 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9999. %



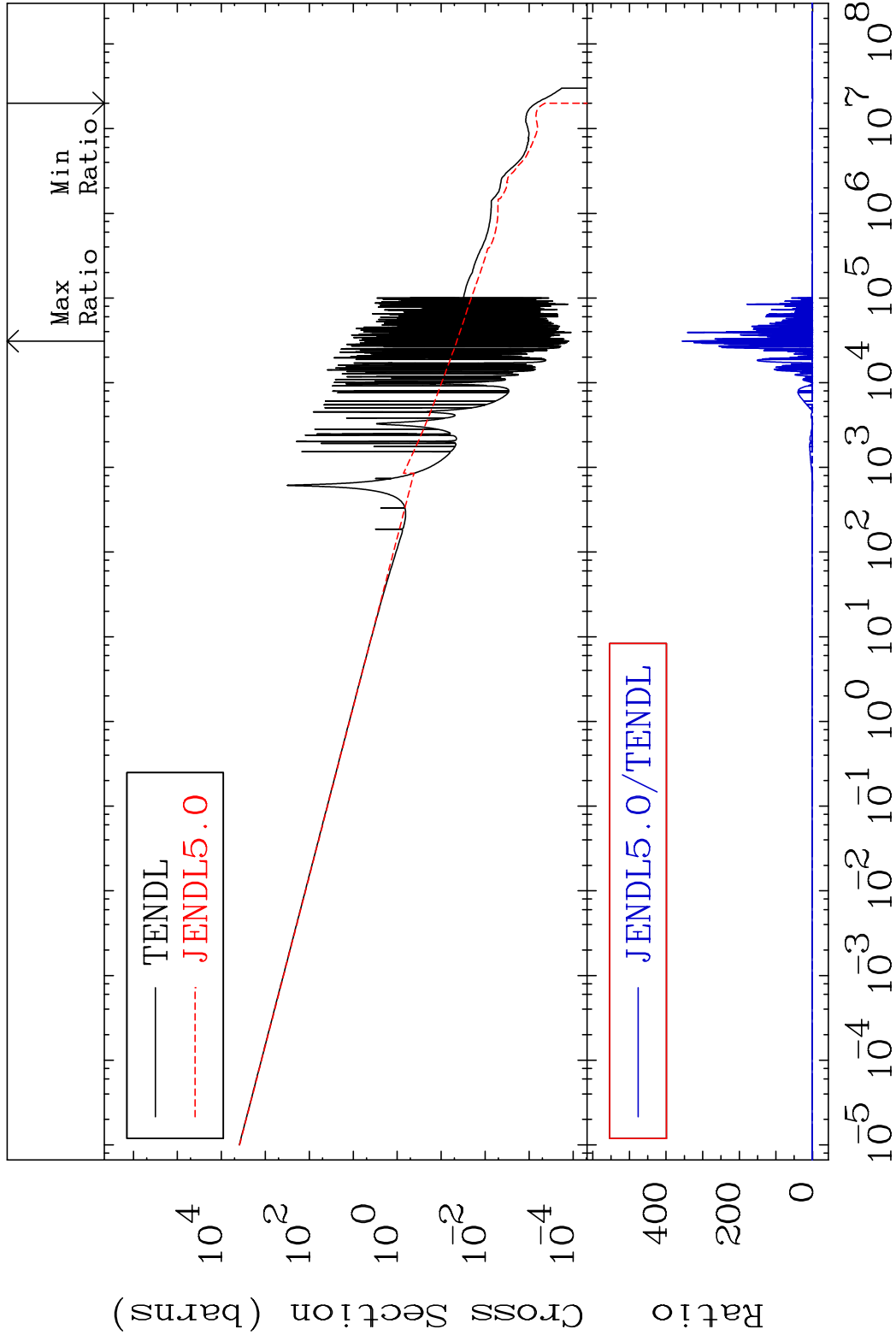


MAT 2519

(n, γ)

25-Mn-53

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

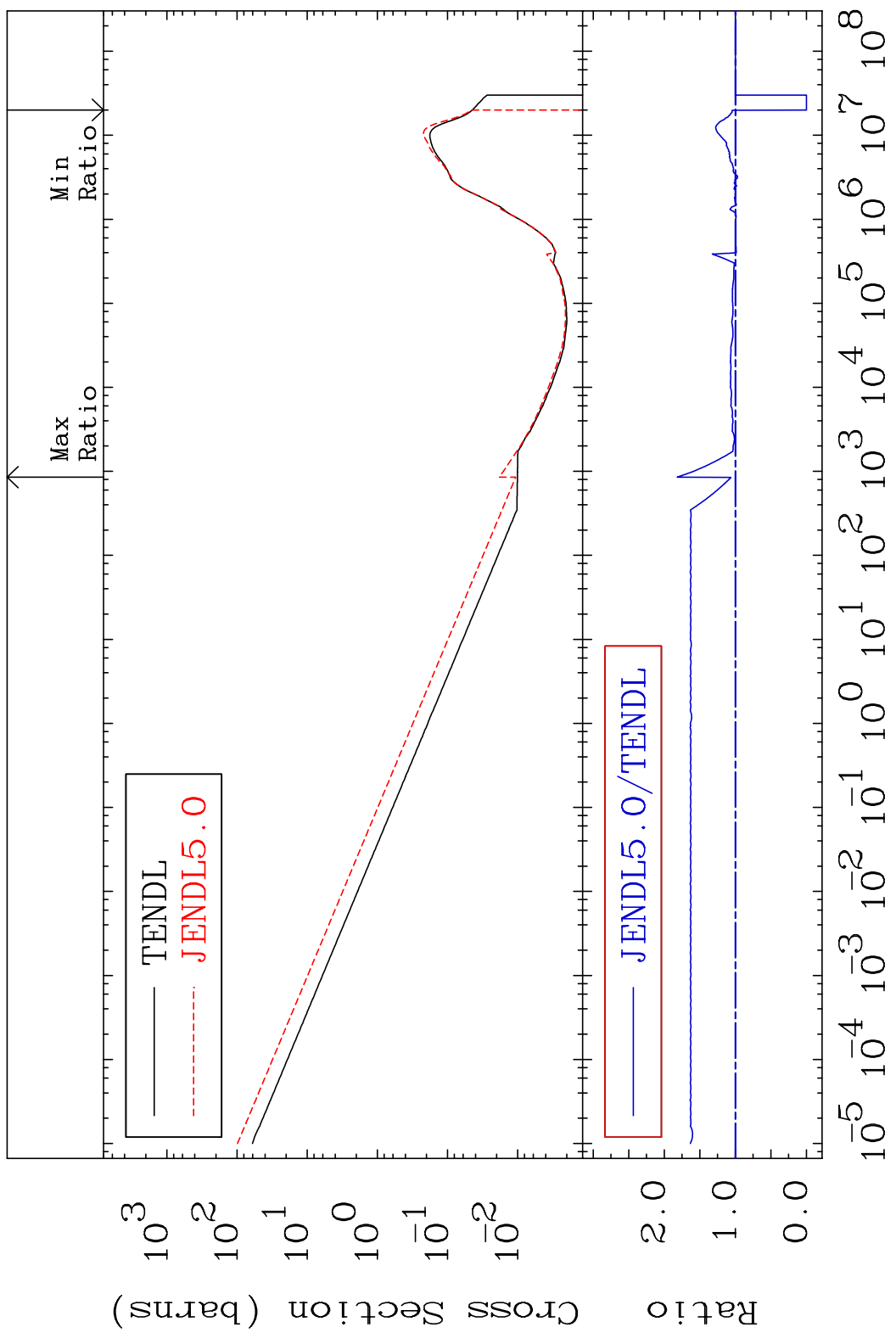
25-Mn-53

MAT 2519

(n, p)

25-Mn-53

Cross Section -100.0 To 81.80 %

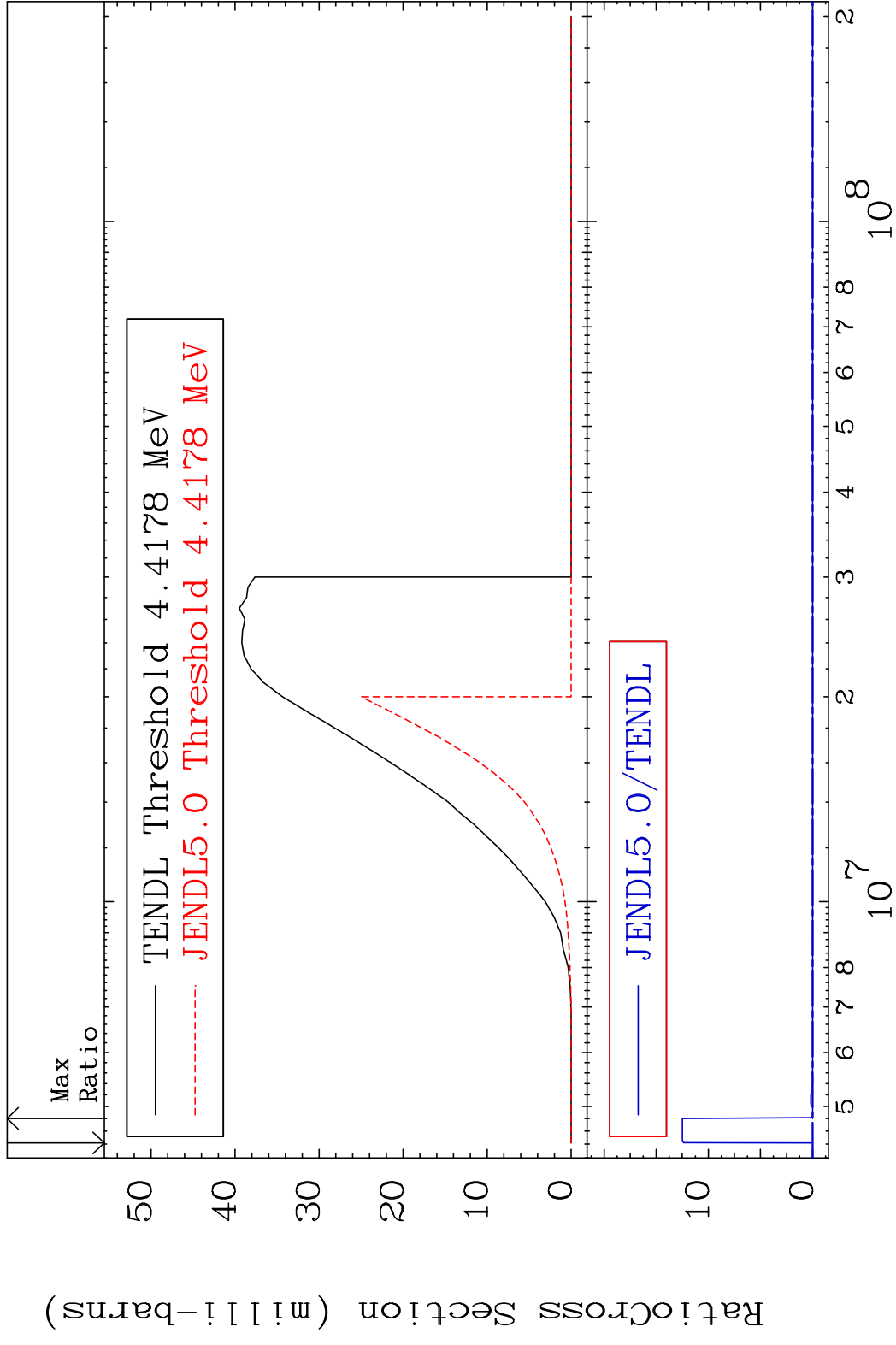


38

Incident Energy (eV)

25-Mn-53

MAT 2519 (n,d) 25-Mn-53
 Cross Section -100.0 To 9999. %

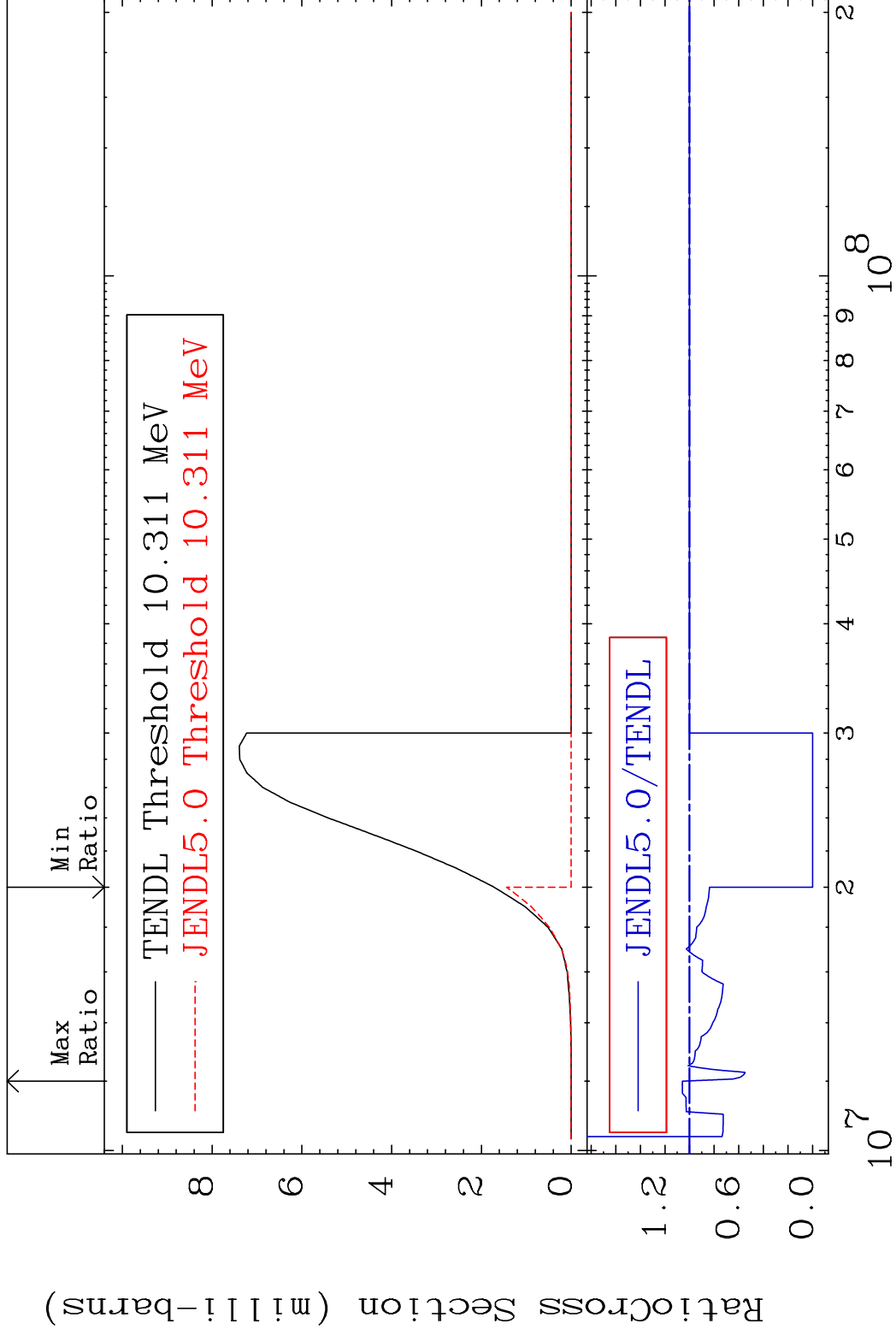


MAT 2519

(n, t)

25-Mn-53

Cross Section -100.0 To 5.854 %

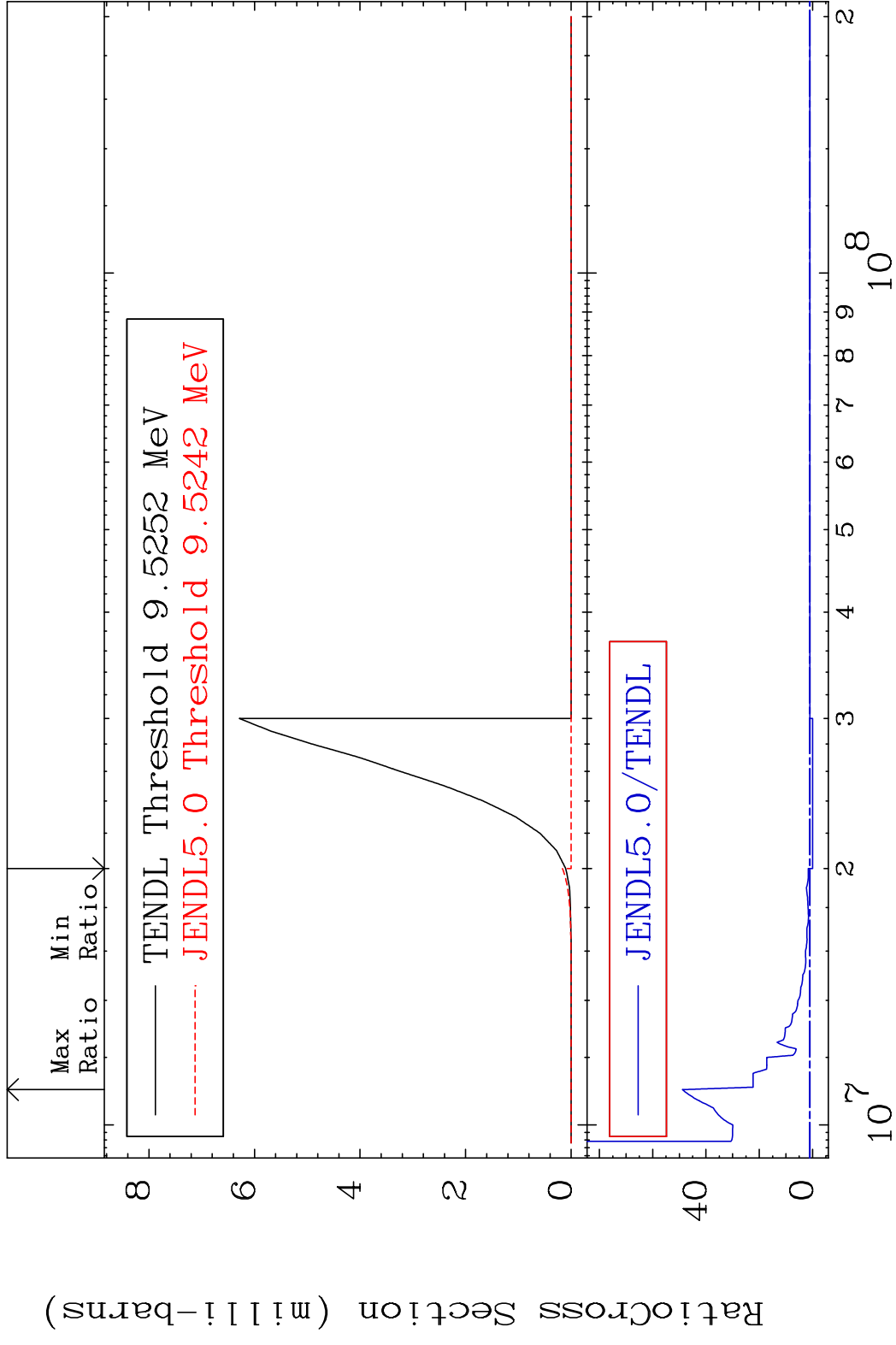


40

Incident Energy (eV)

25-Mn-53

MAT 2519 (n, He-3) 25-Mn-53
 Cross Section -100.0 To 4787. %



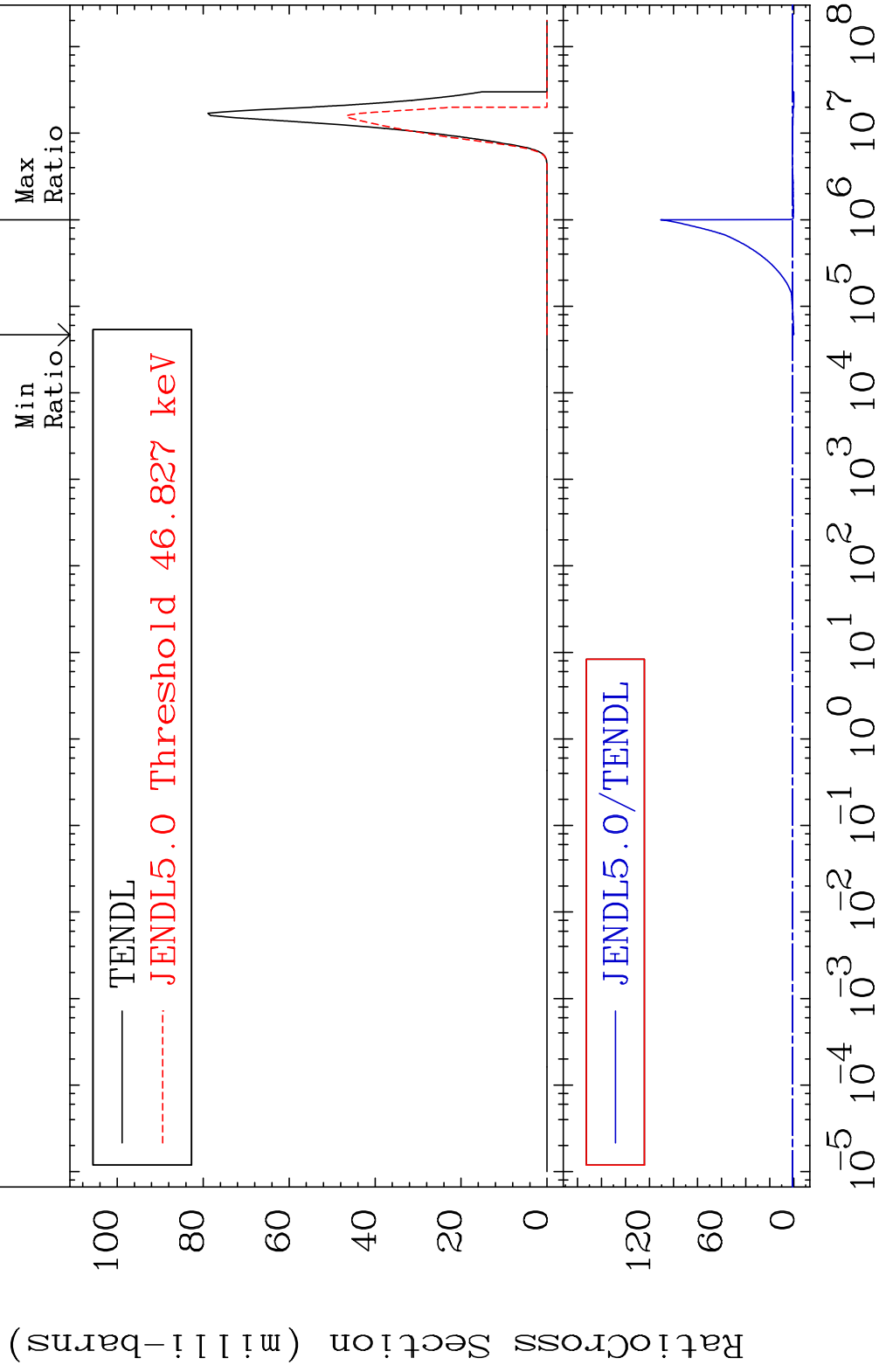
41 Incident Energy (eV) 25-Mn-53

MAT 2519

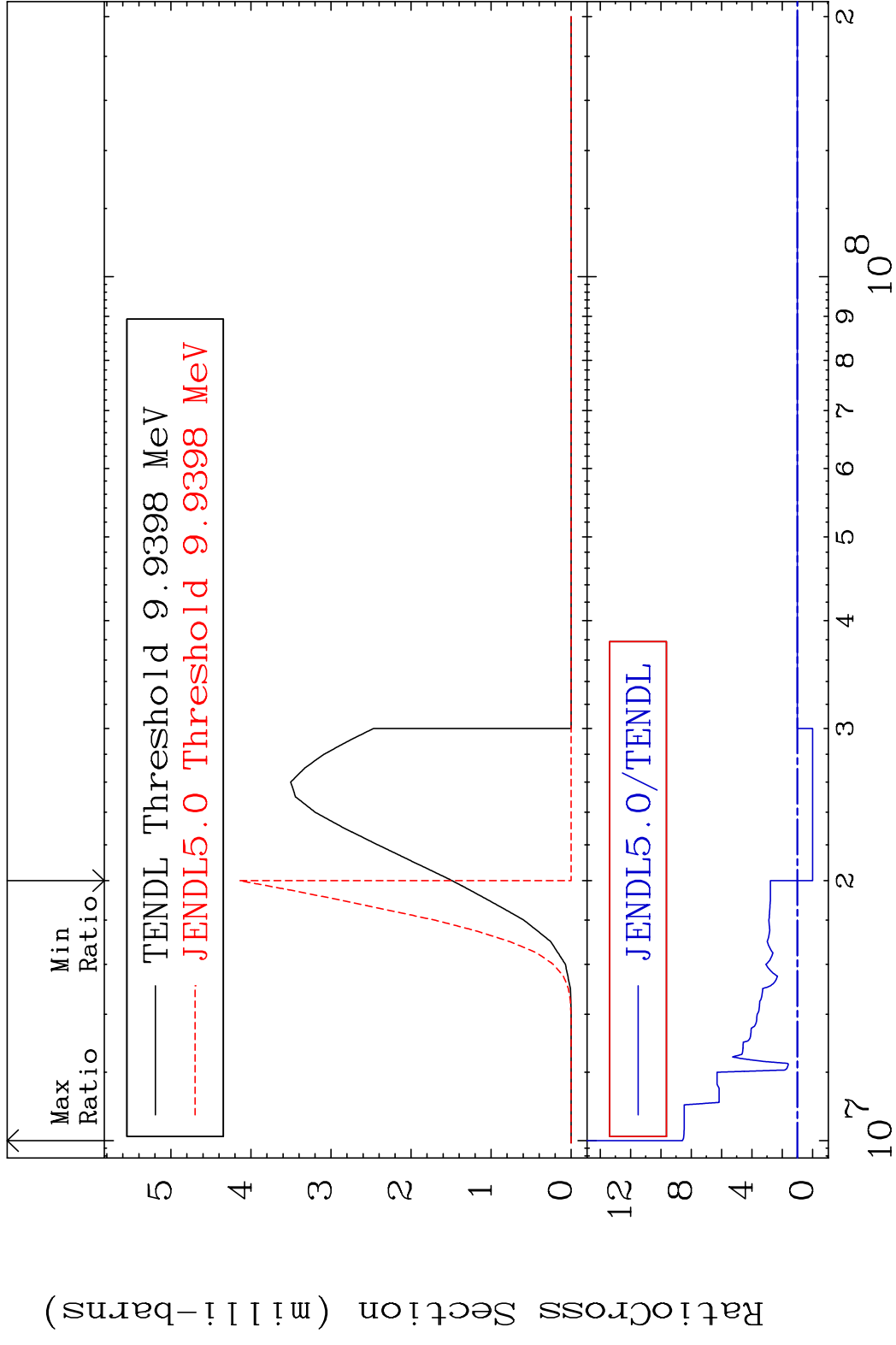
(n, α)

25-Mn-53

Cross Section -100.0 To 9999. %

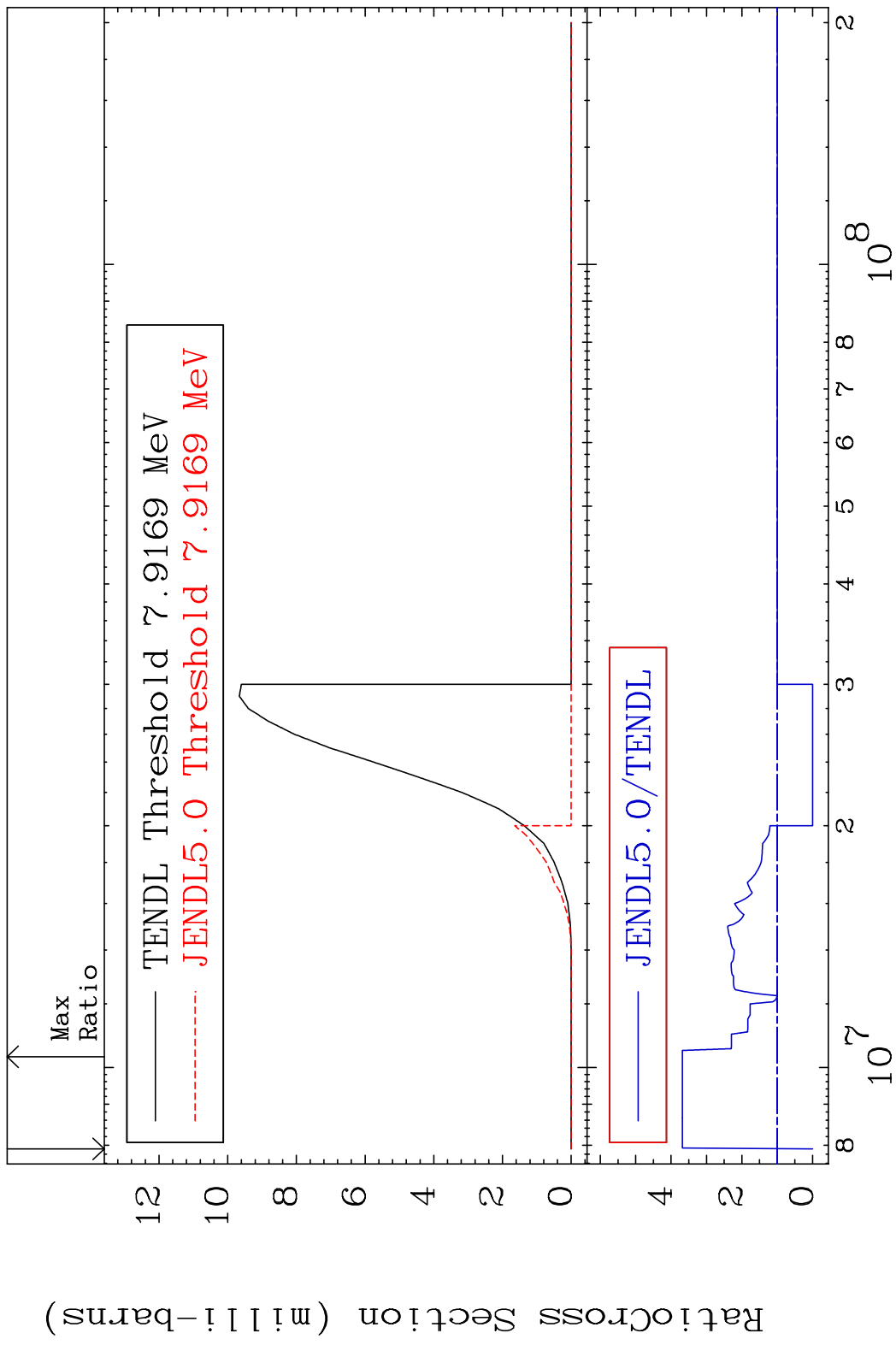


MAT 2519 (n,2p) 25-Mn-53
 Cross Section -100.0 To 758.4 %



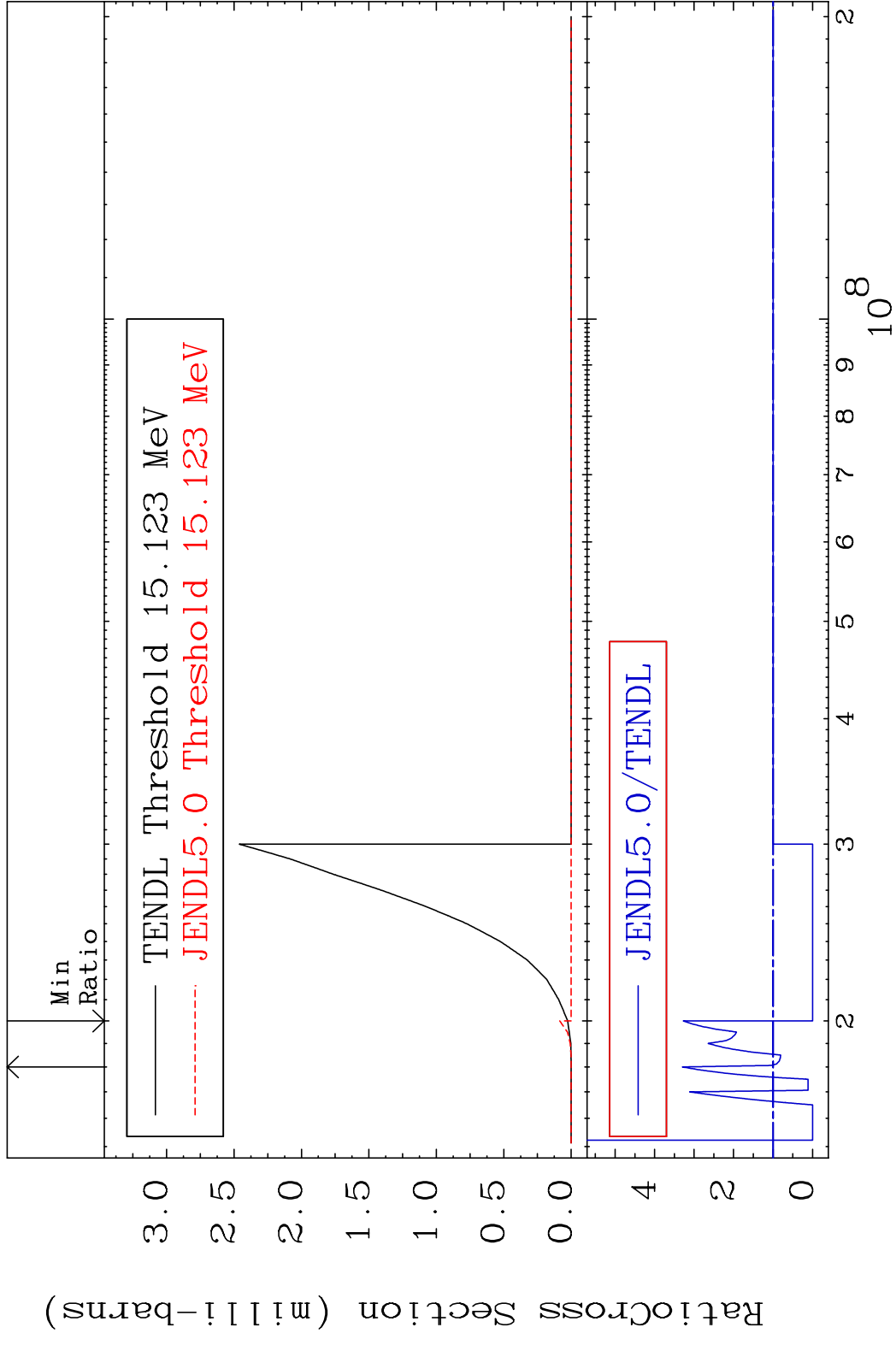
43 25-Mn-53

MAT 2519 (n,p) α 25-Mn-53
 Cross Section -100.0 To 268.1 %



44 25-Mn-53

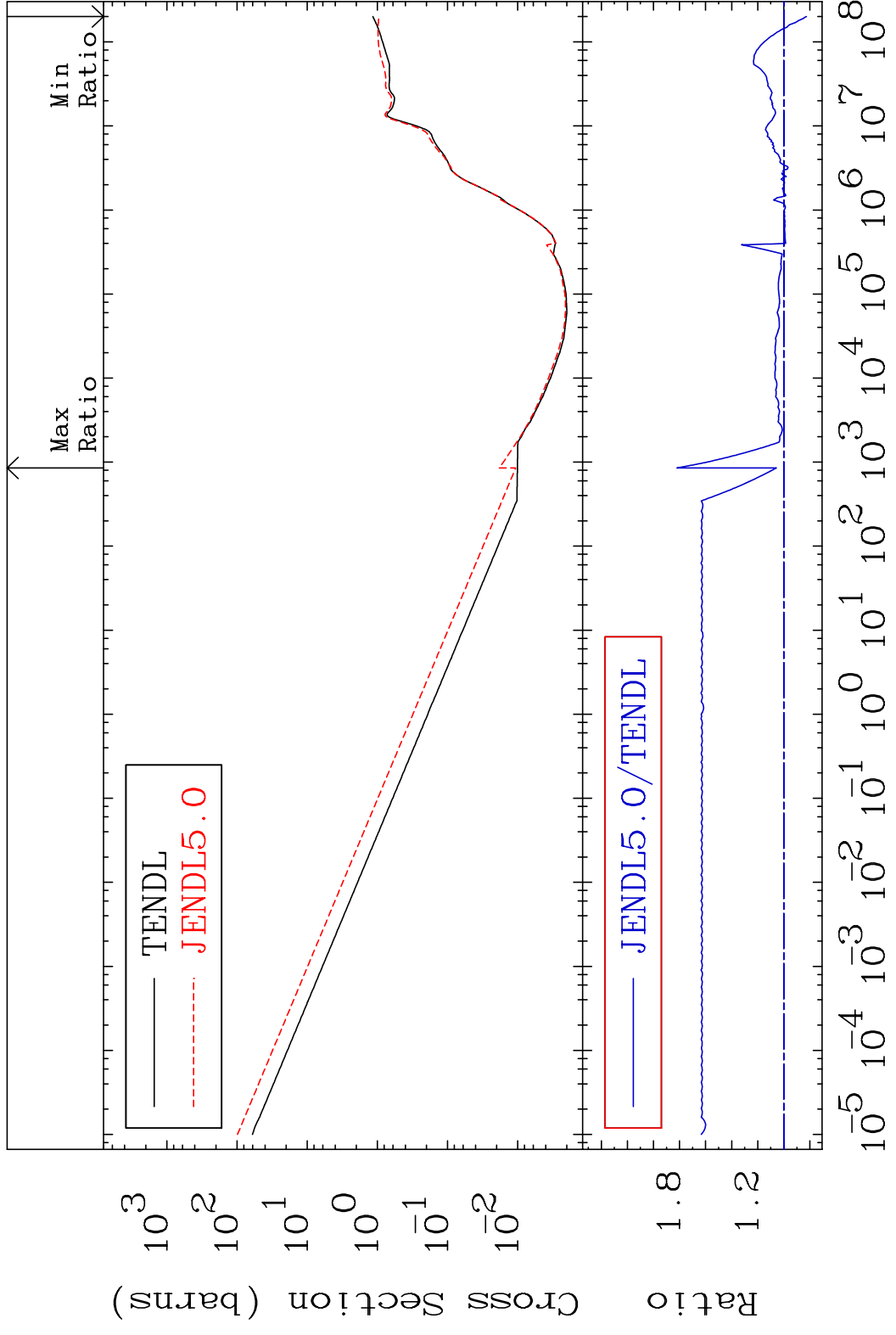
MAT 2519 (n,p) d 25-Mn-53
 Cross Section -100.0 To 229.7 %



MAT 2519

Hydrogen Production
Cross Section -17.32 To 81.80 %

25-Mn-53

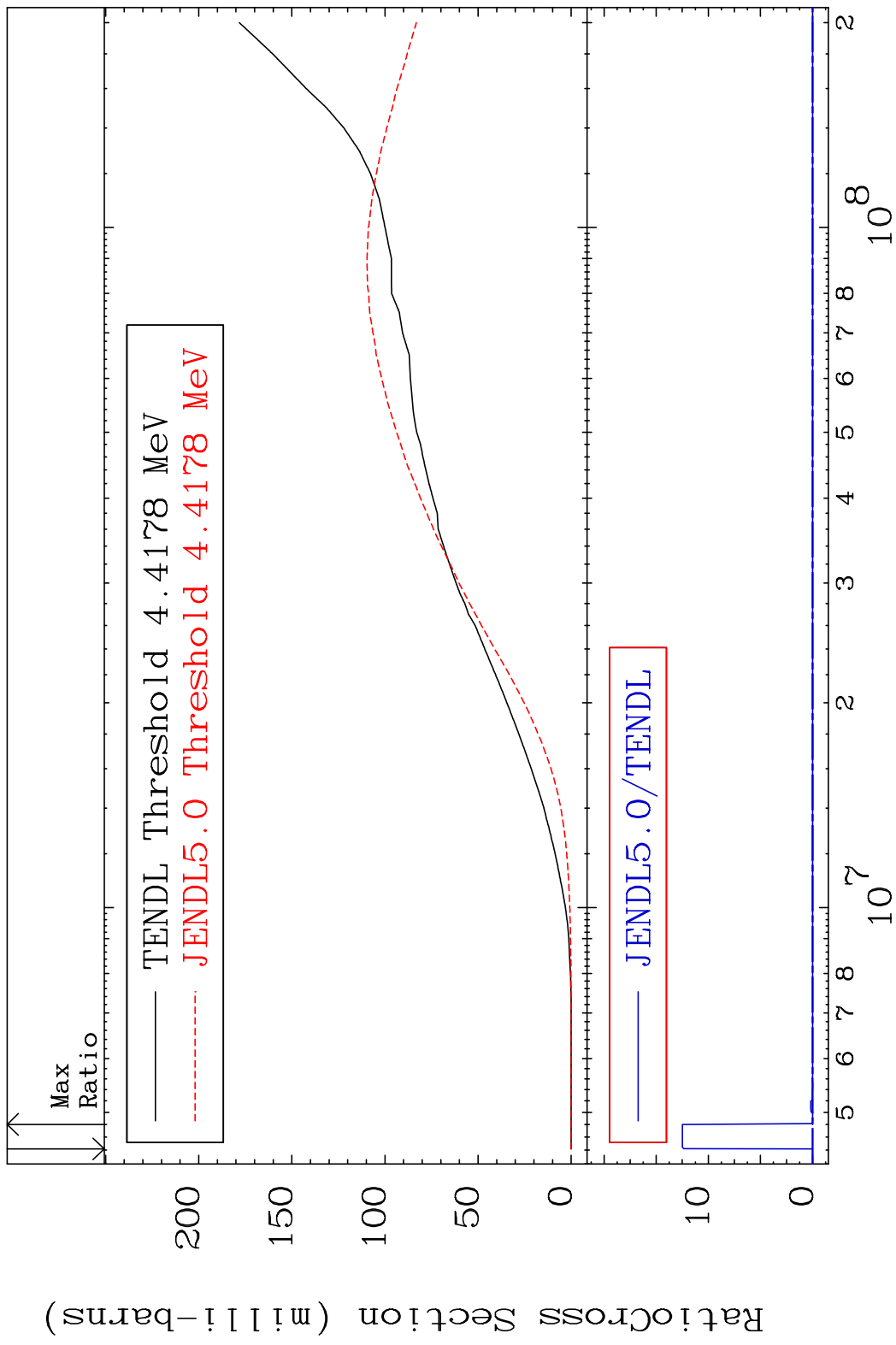


46

Incident Energy (eV)

25-Mn-53

MAT 2519 Deuterium Production 25-Mn-53
 Cross Section -100.0 To 9999. %

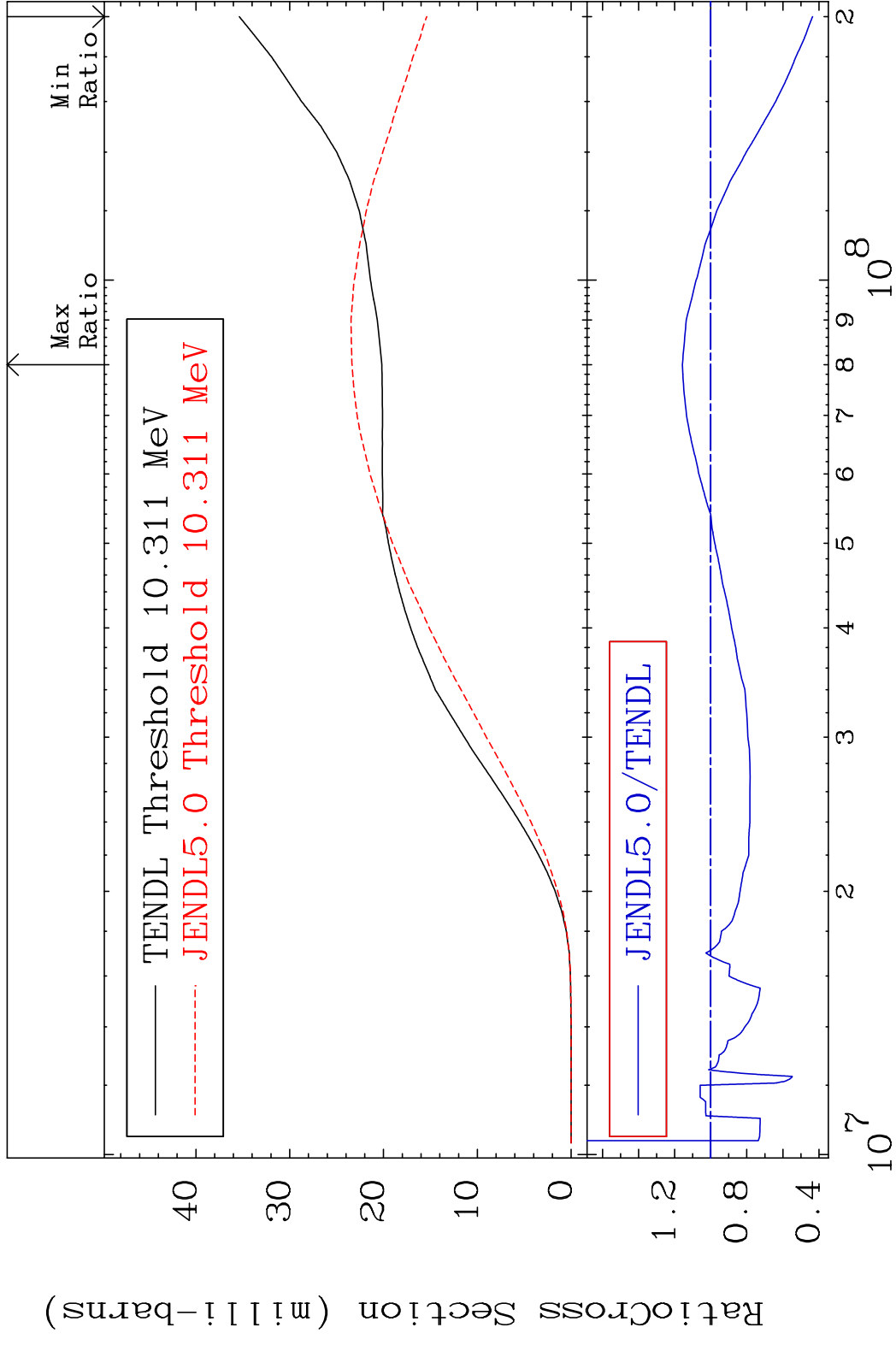


47 25-Mn-53

MAT 2519

Tritium Production
Cross Section

25-Mn-53
-56.46 To 15.75 %



48

Incident Energy (eV)

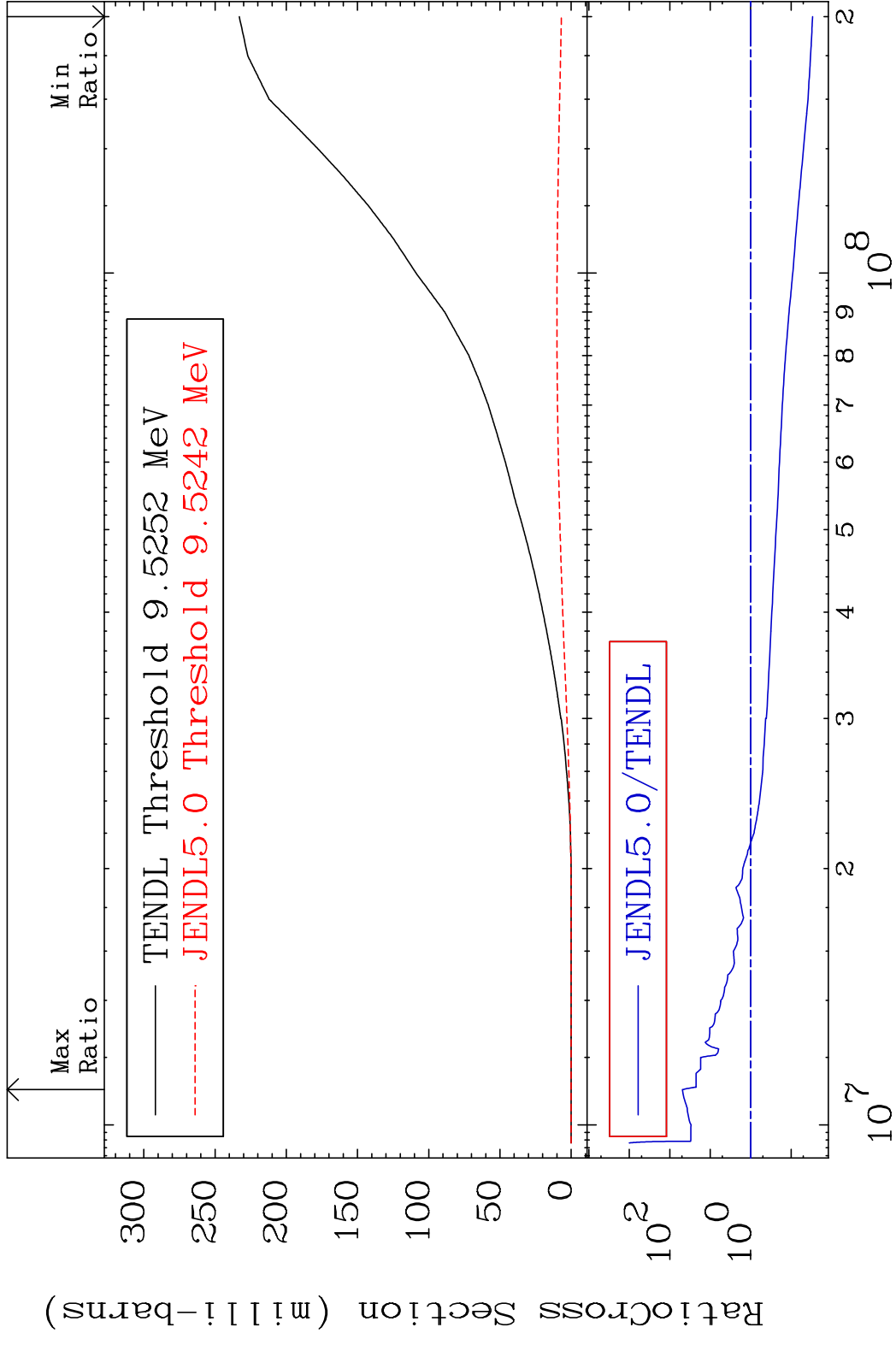
25-Mn-53

MAT 2519

He-3 Production

25-Mn-53

Cross Section -97.05 To 4787. %



49

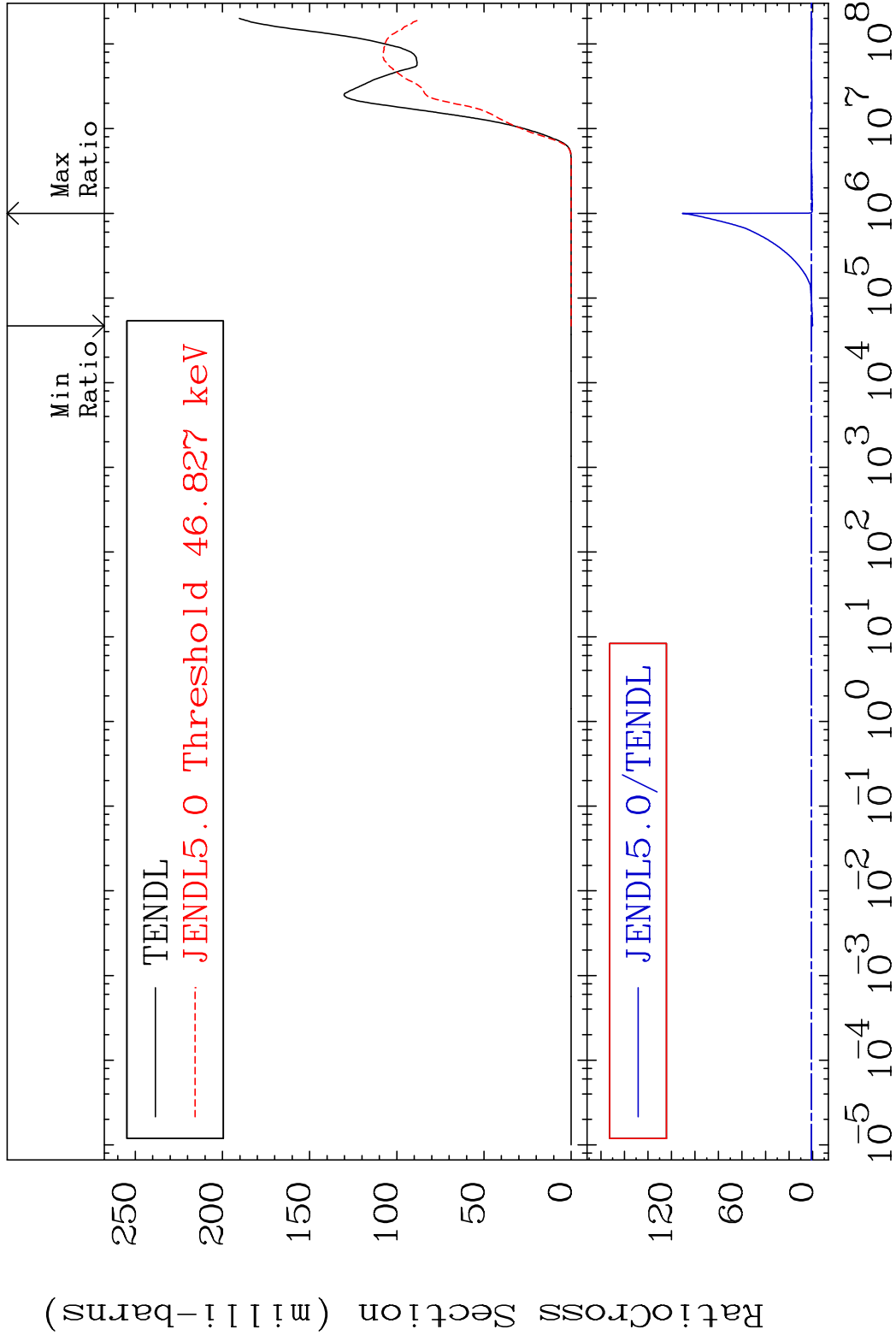
25-Mn-53

MAT 2519

He-4 Production

25-Mn-53

Cross Section -100.0 To 9999. %

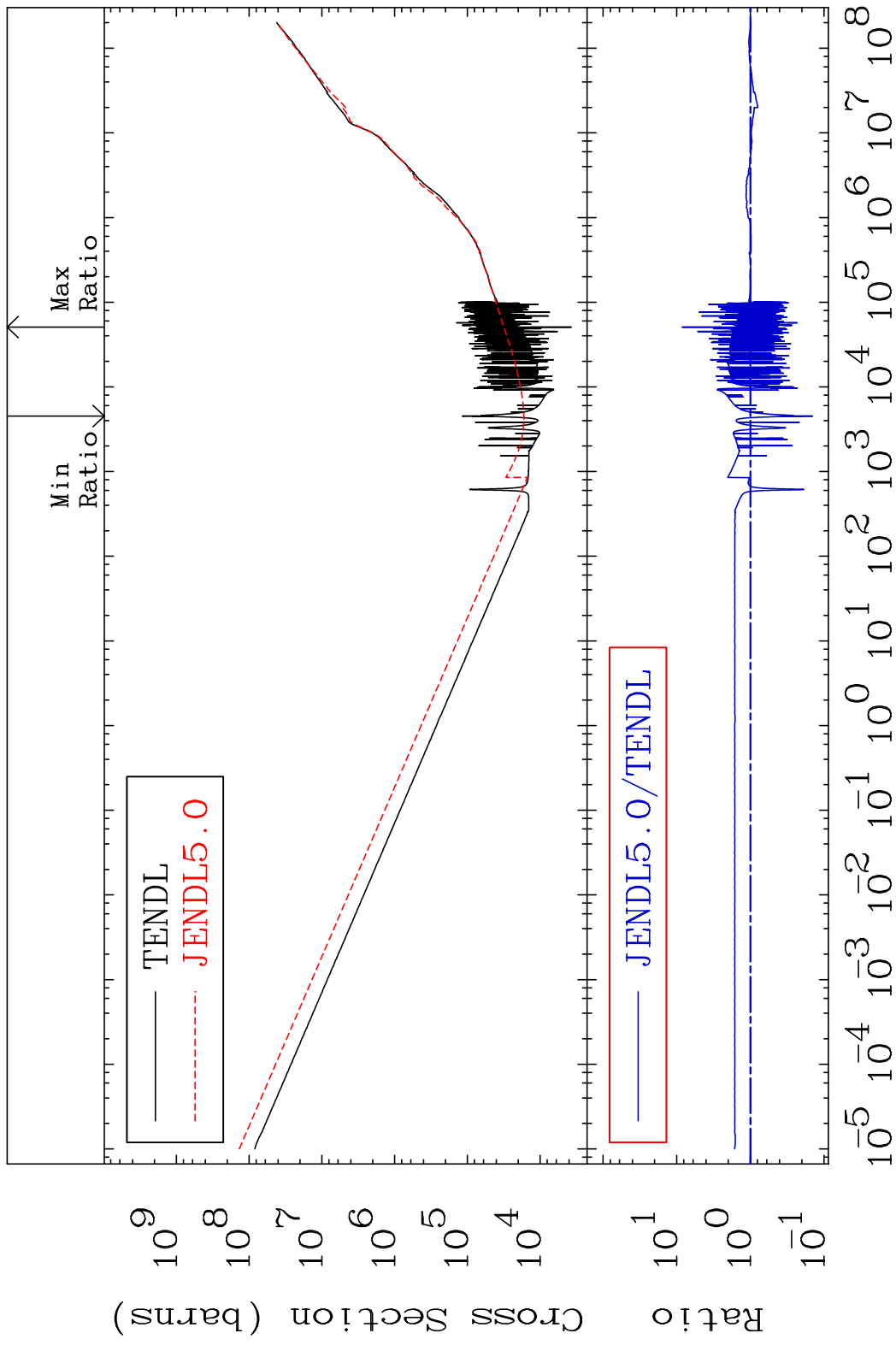


50

Incident Energy (eV)

25-Mn-53

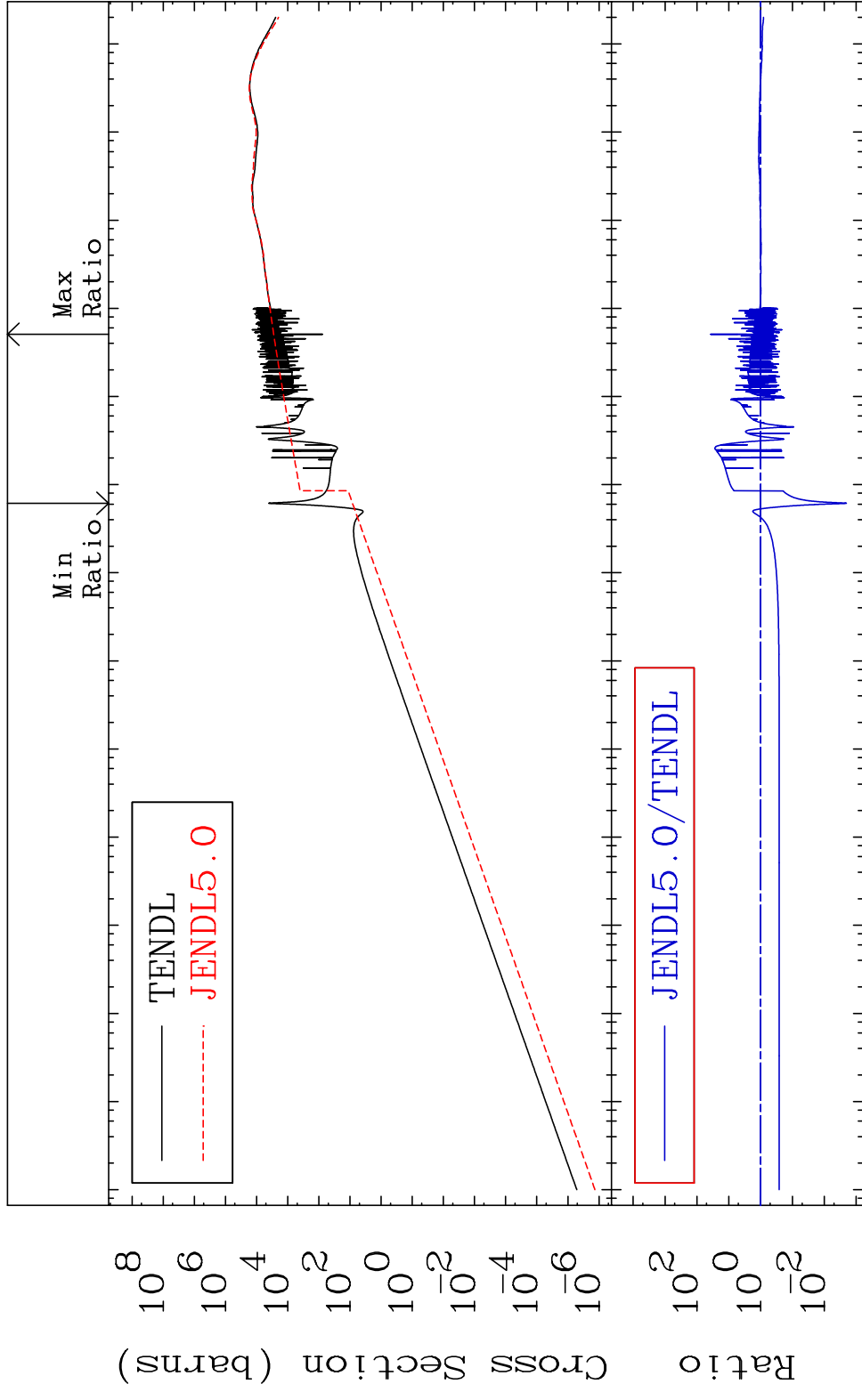
MAT 2519 Kerma total (eV-barns) 25-Mn-53
 Cross Section -85.71 To 738.8 %



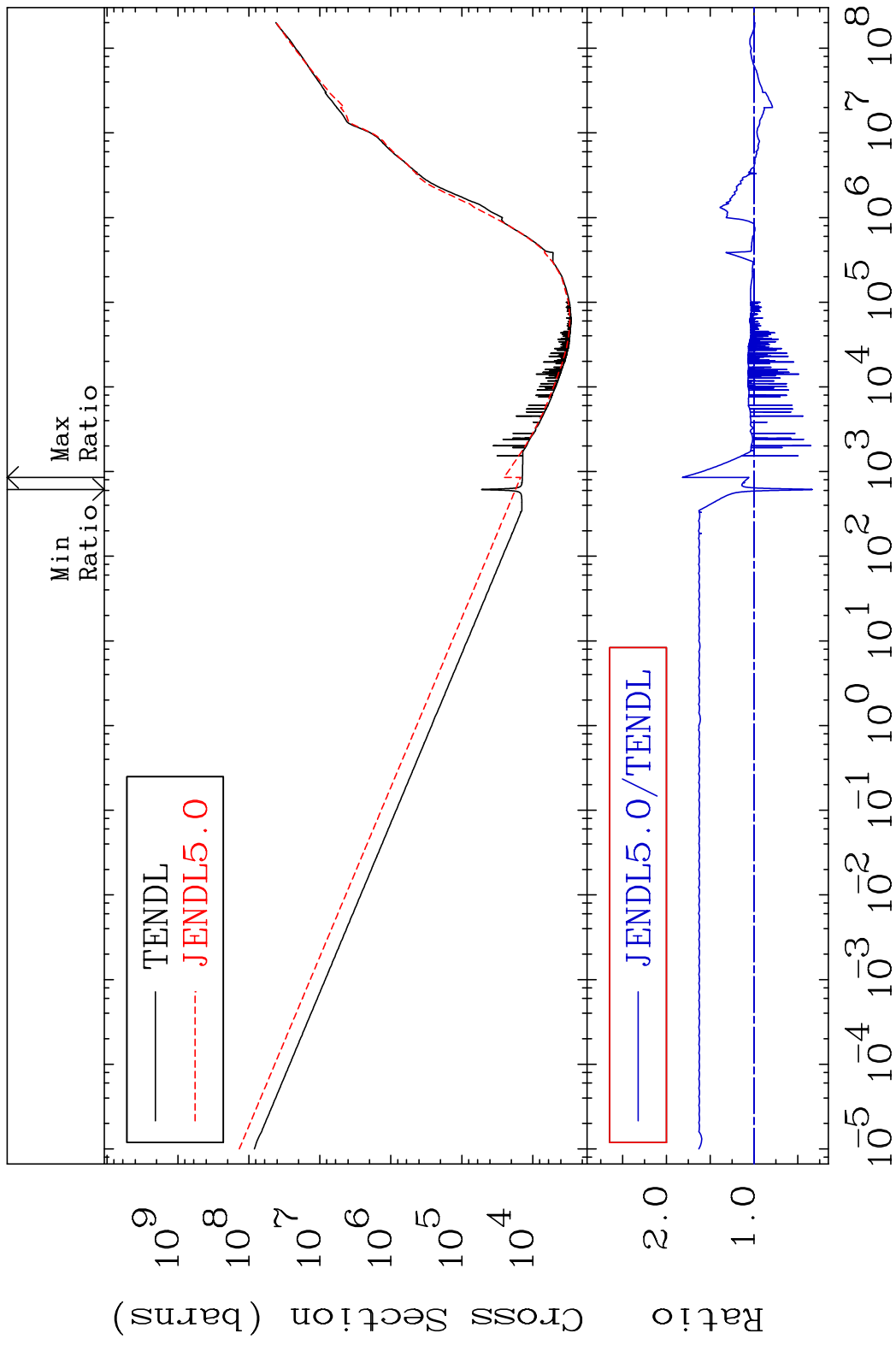
MAT 2519

Kerma elastic
Cross Section

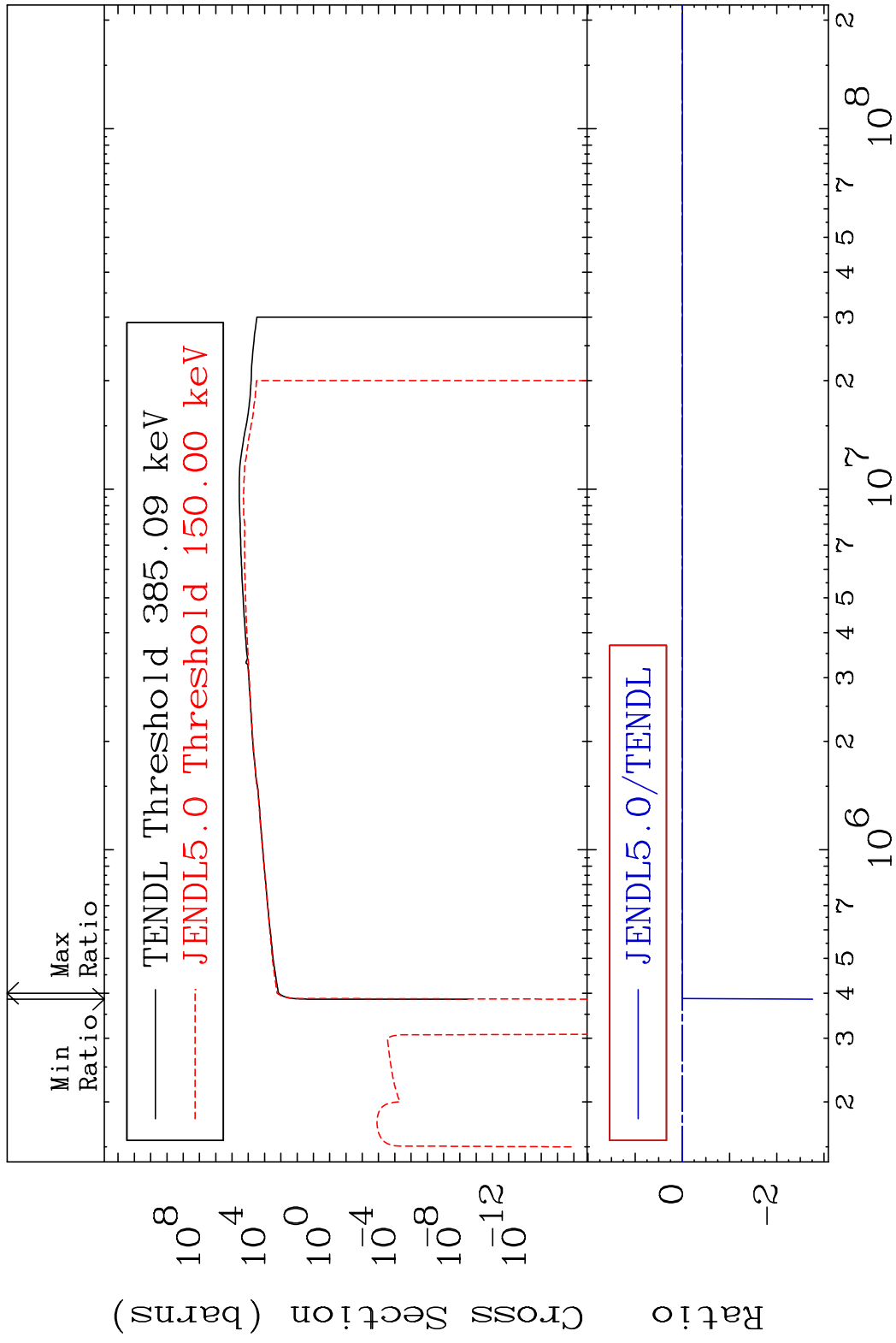
25-Mn-53
-99.80 To 3588. %



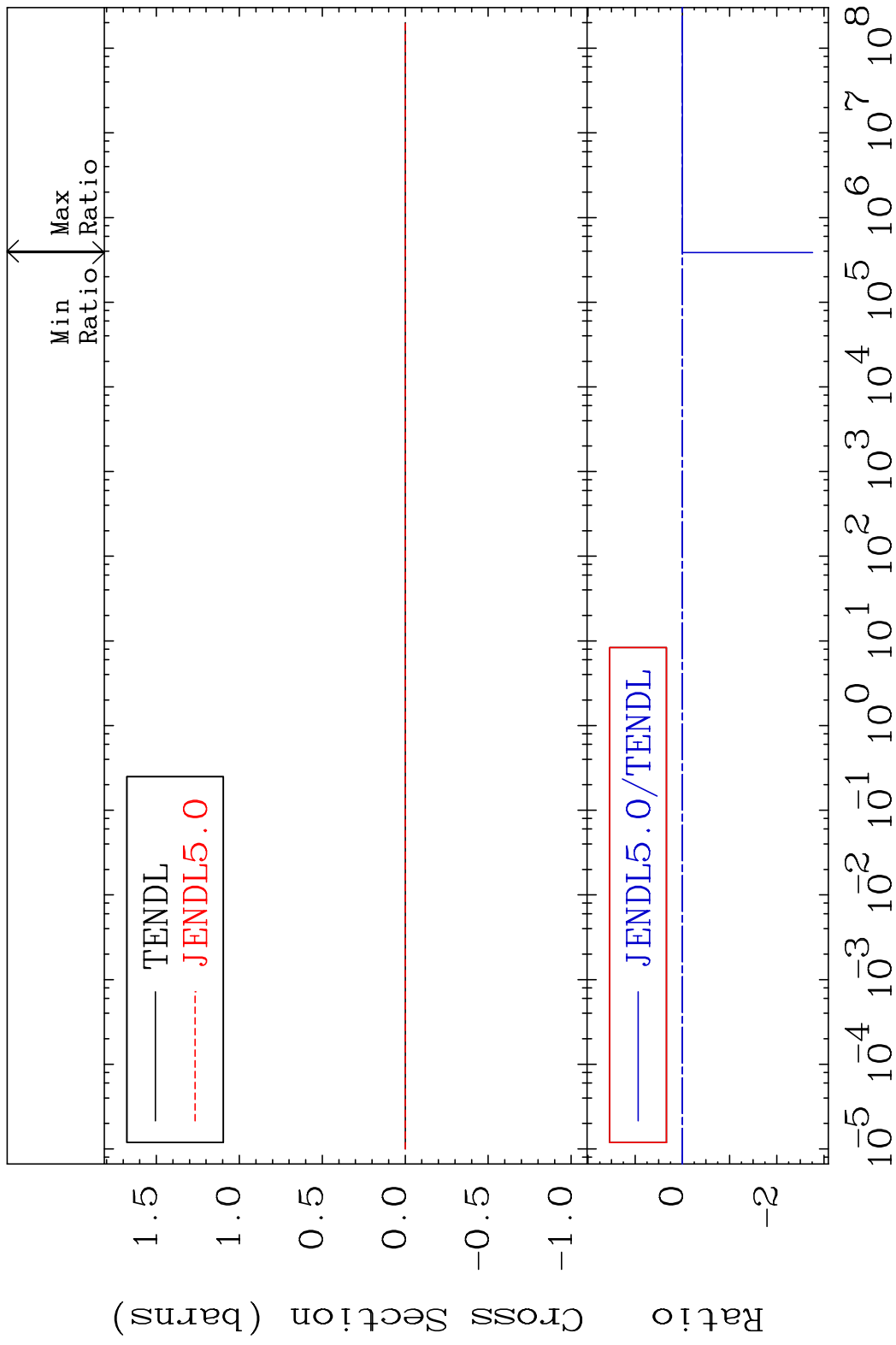
MAT 2519 Kerma non-elastic (all but mt2) 25-Mn-53
 Cross Section -66.87 To 81.87 %



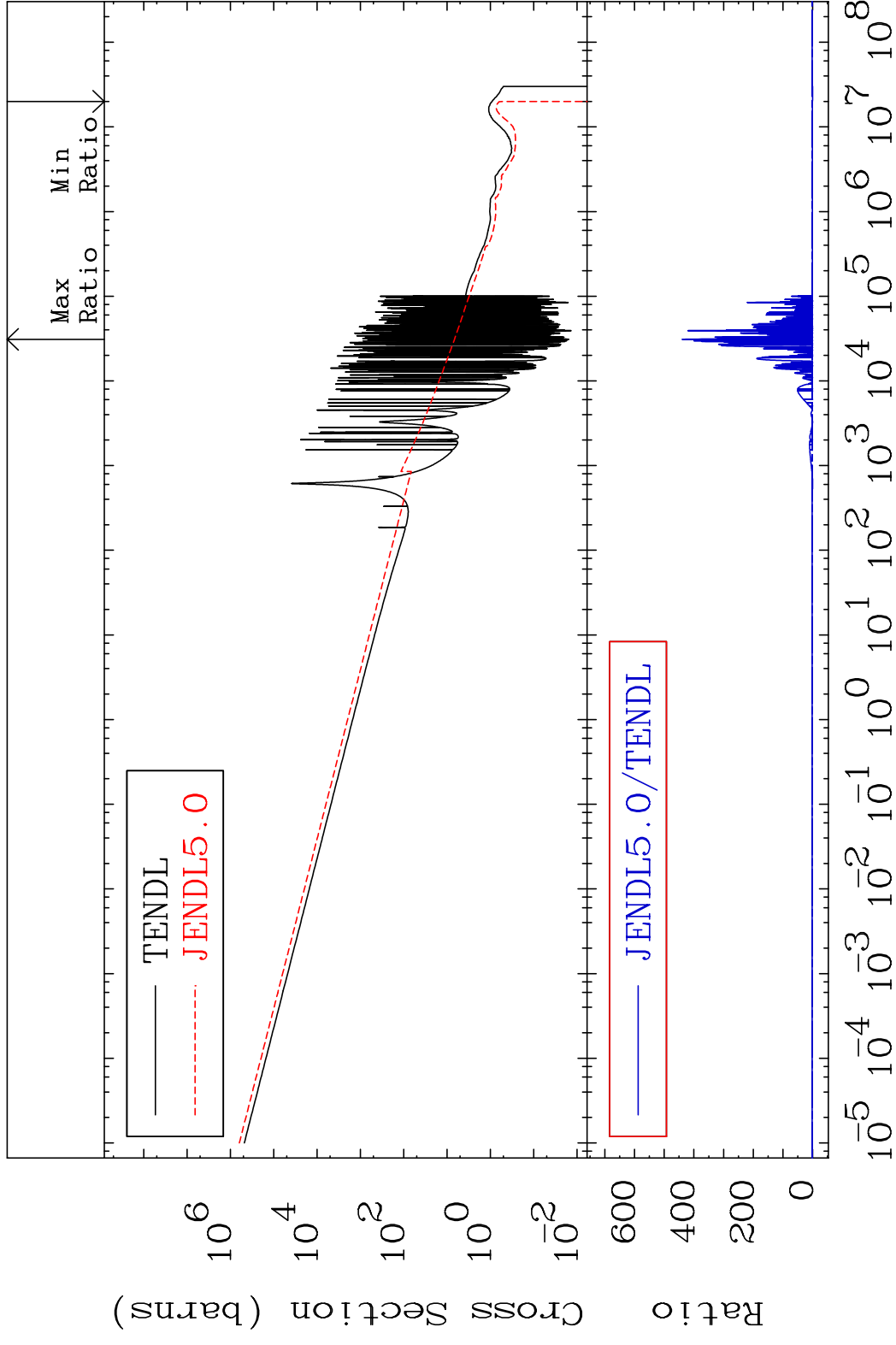
MAT 2519 Kerma inelastic (mt51-91) 25-Mn-53
 Cross Section -9999. To 21.89 %



MAT 2519 Kerma fission (mt18 or mt19-20-21-38) 25-Mn-53
 Cross Section -9999. To 21.89 %

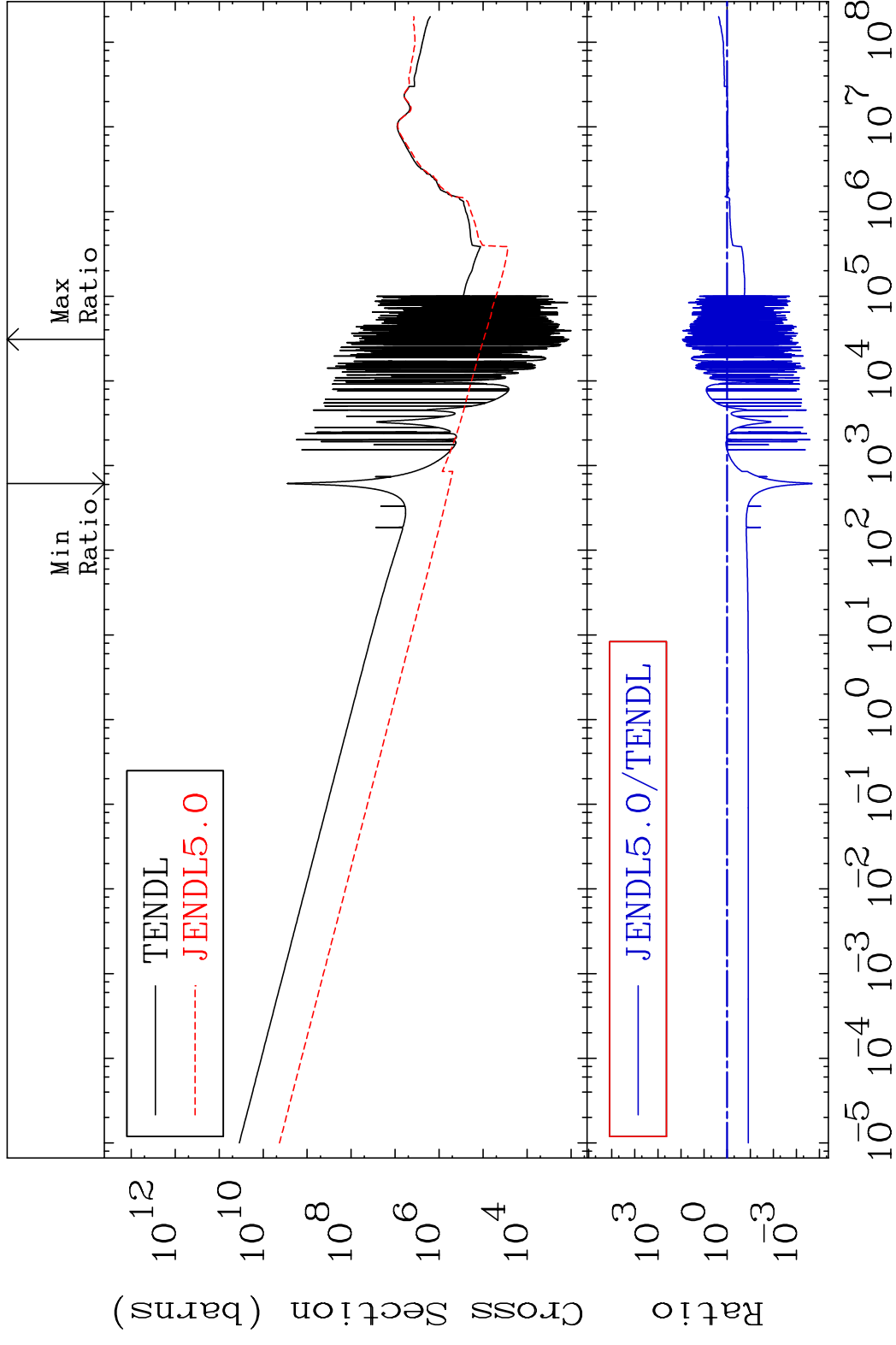


MAT 2519 Kerma capture (mt102) 25-Mn-53
 Cross Section -100.0 To 9999. %

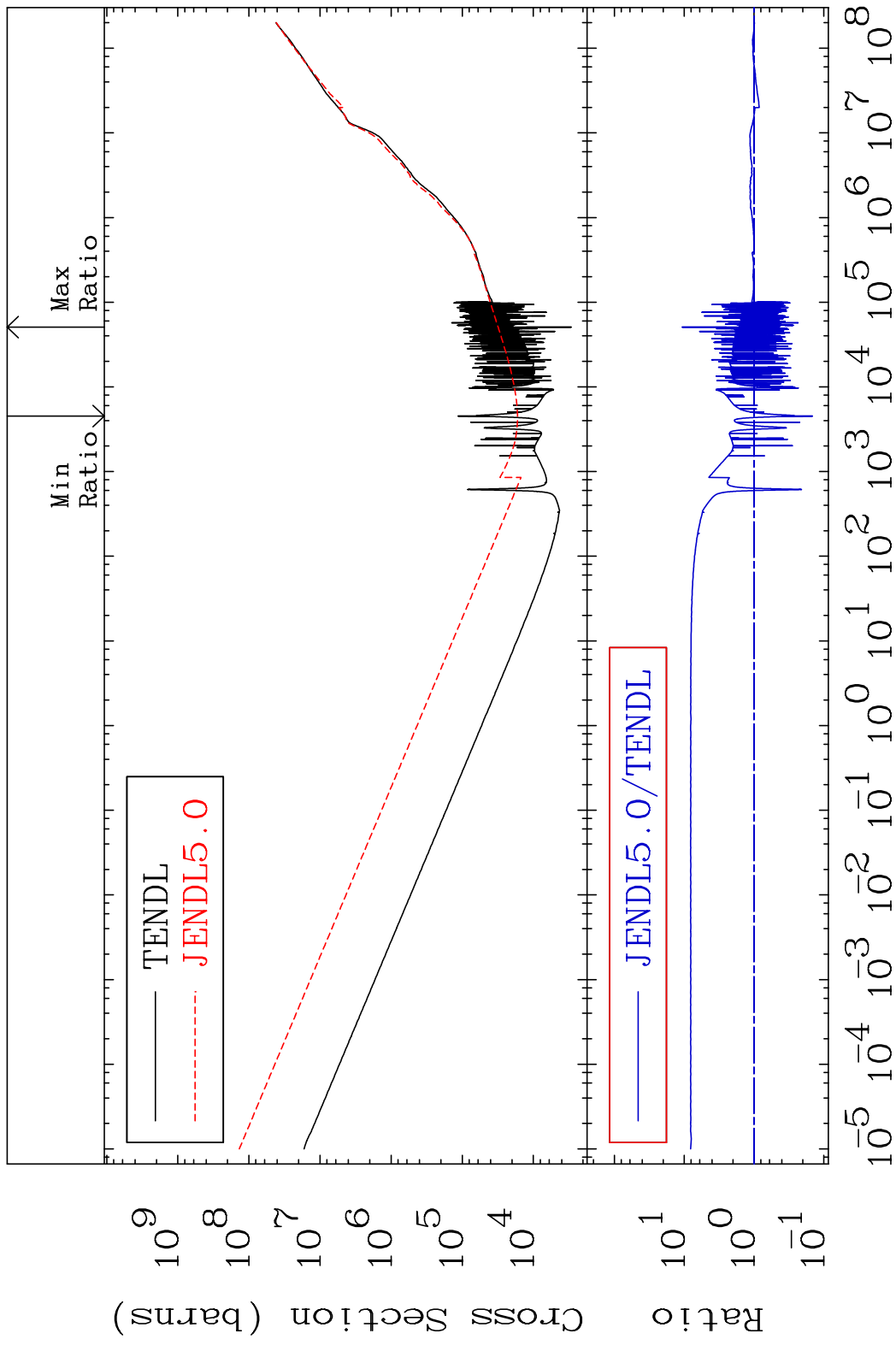


56 Incident Energy (eV) 25-Mn-53

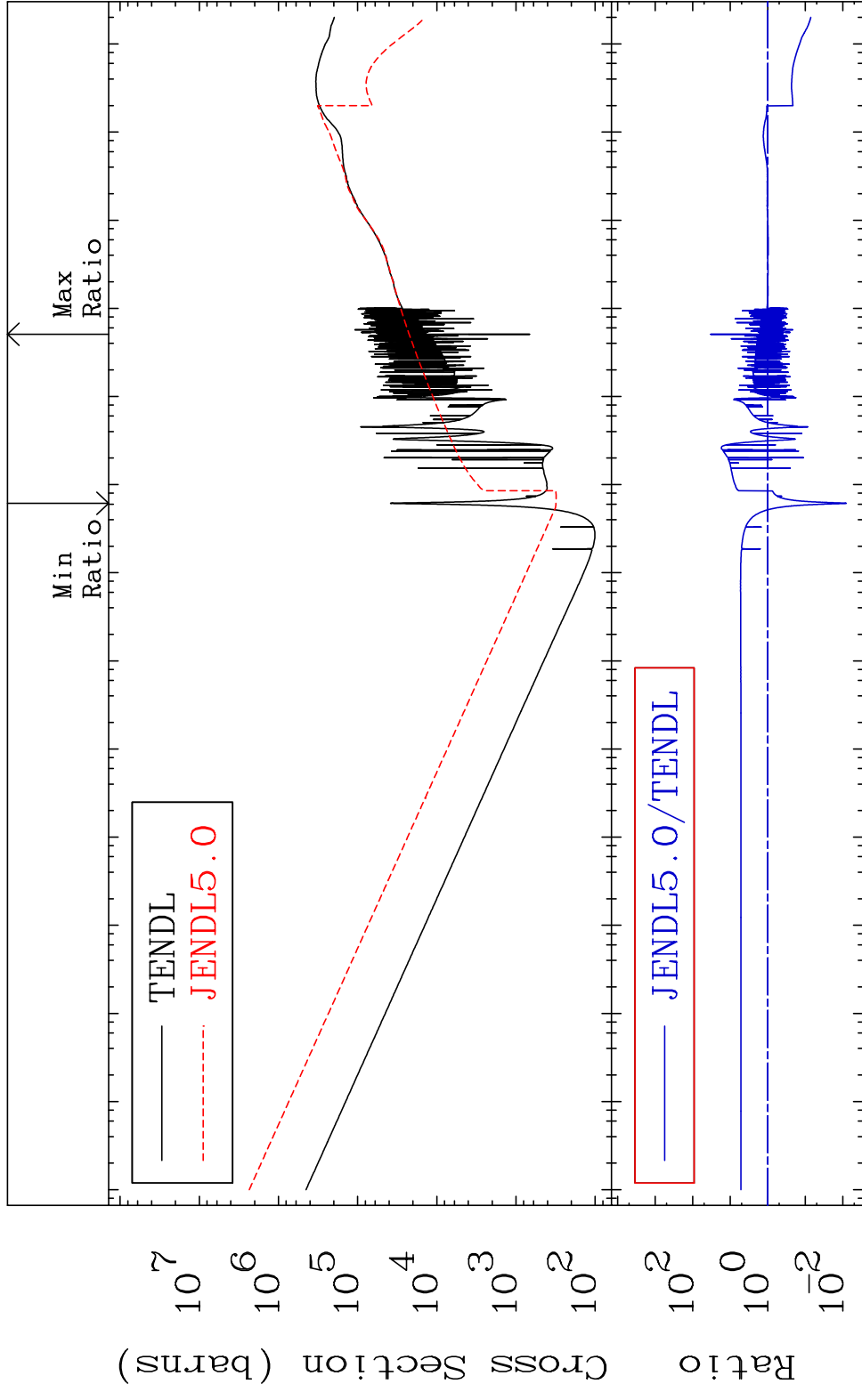
MAT 2519 Total photon (eV-barns) 25-Mn-53
 Cross Section -99.98 To 8634. %



MAT 2519 Total kinematic kerma (high limit) 25-Mn-53
 Cross Section -85.48 To 965.7 %



MAT 2519 Dpa total (eV-barns) 25-Mn-53
 Cross Section -99.19 To 3215. %

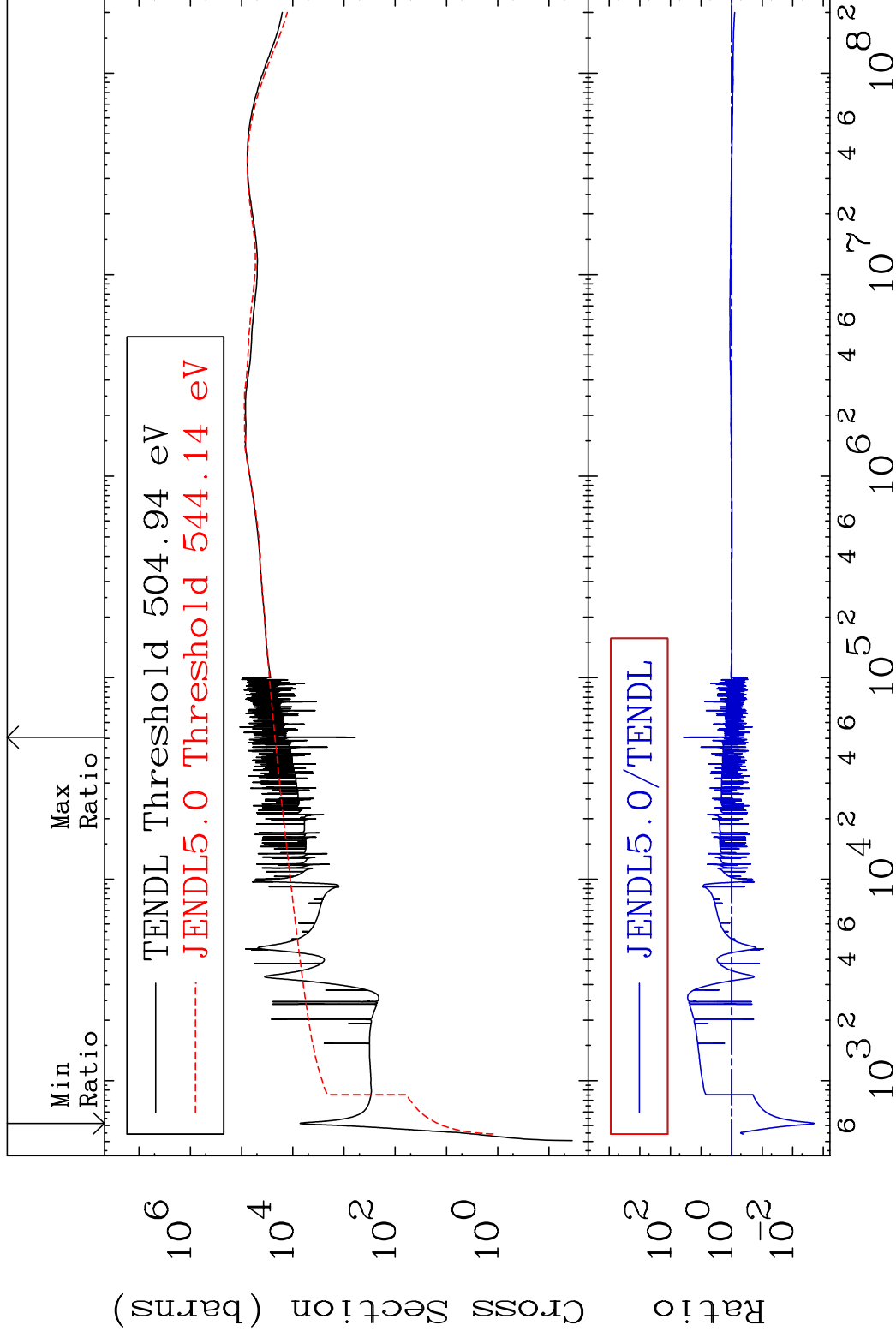


MAT 2519

Dpa elastic (mt2)

25-Mn-53

Cross Section -99.80 To 3588. %

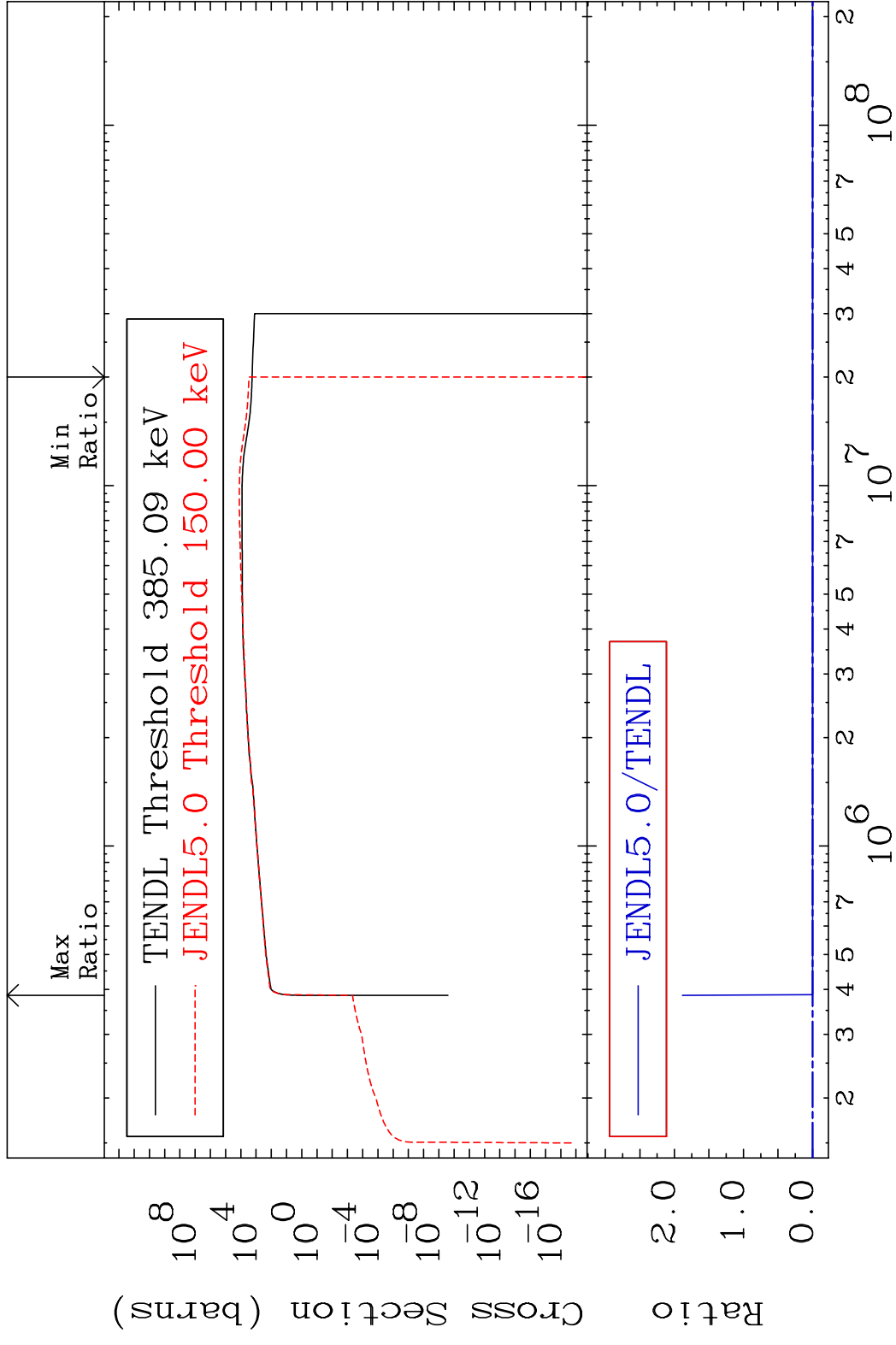


60

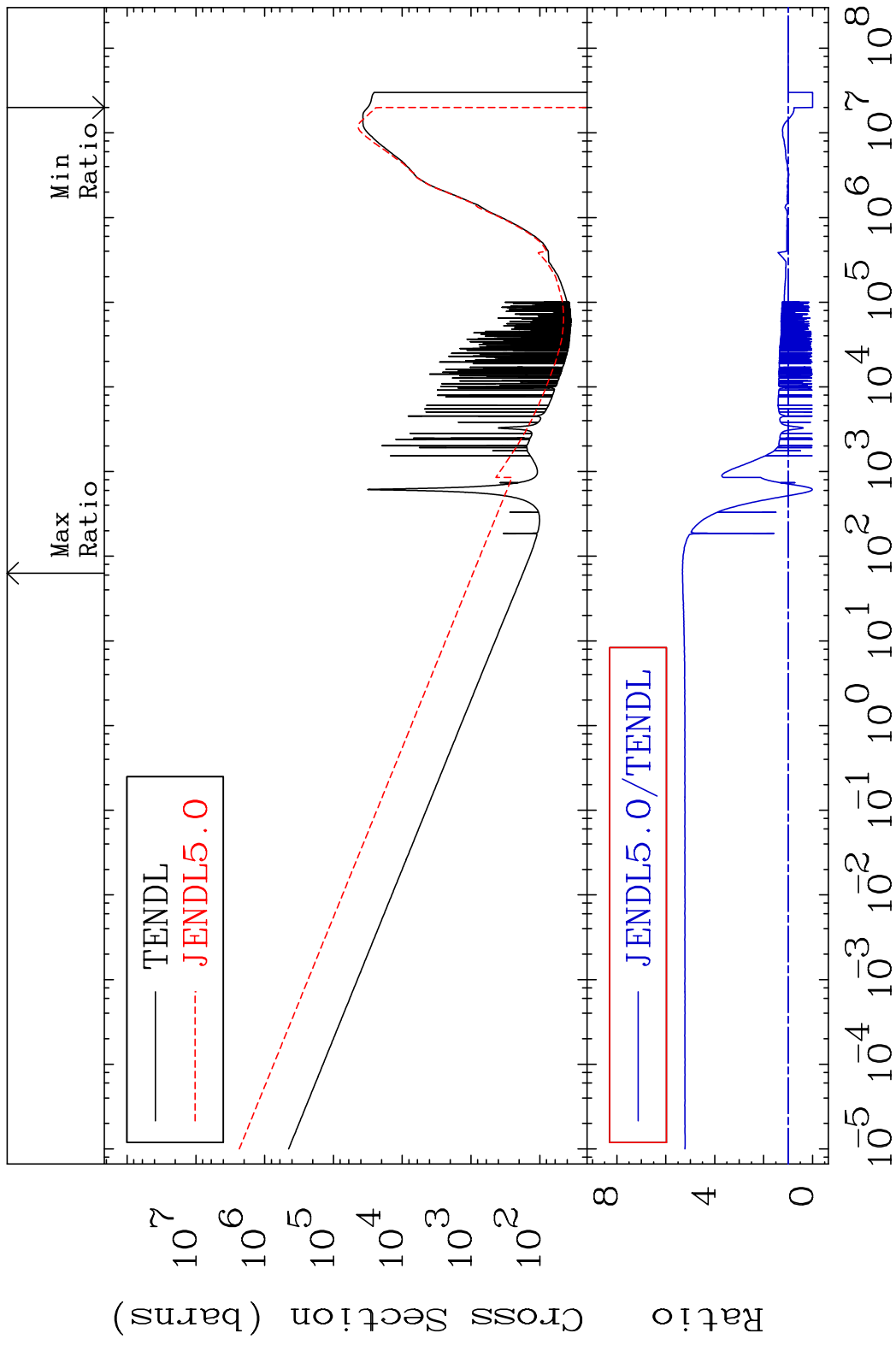
Incident Energy (eV)

25-Mn-53

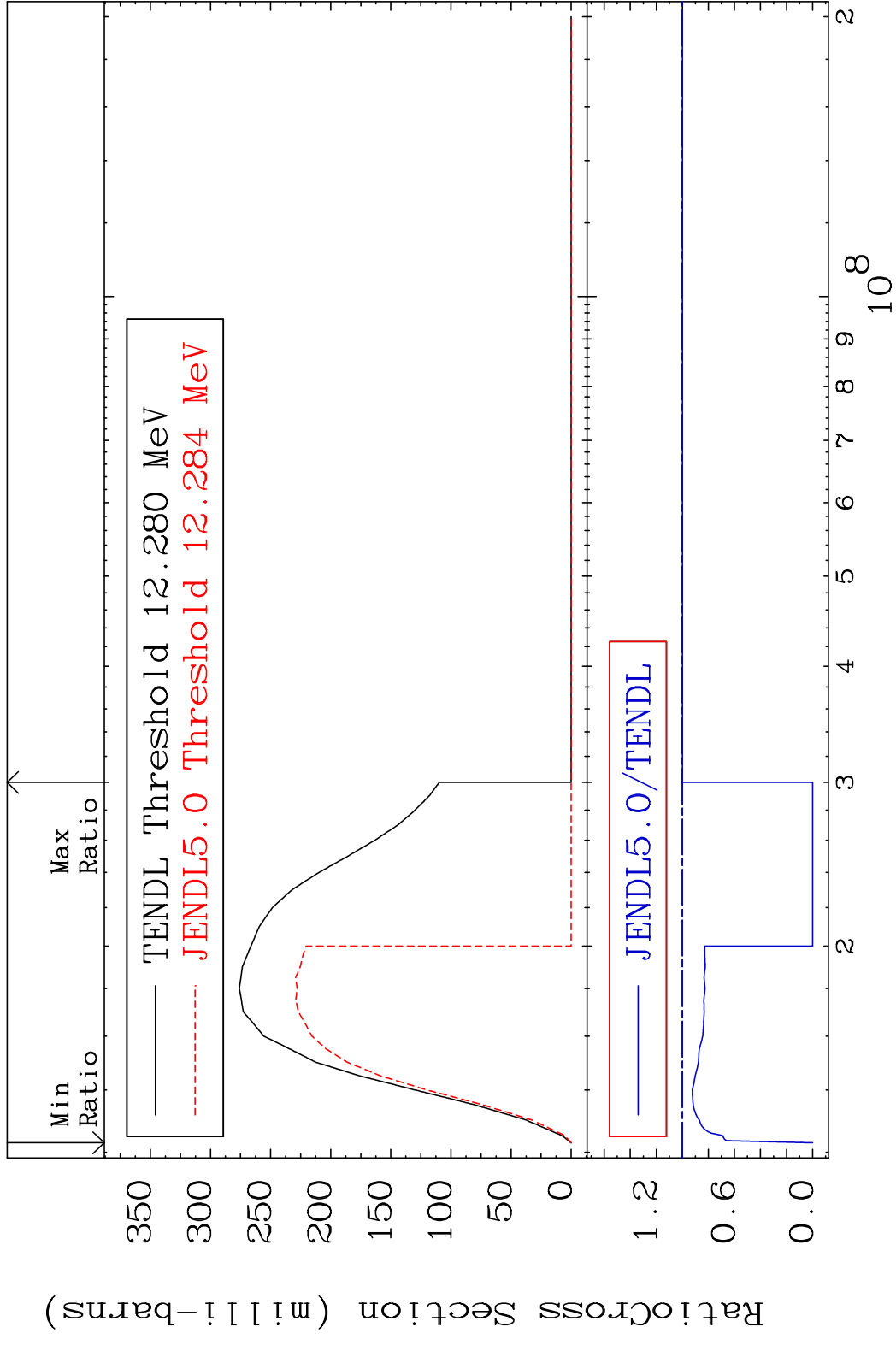
MAT 2519 Dpa inelastic (mt51-91) 25-Mn-53
 Cross Section -100.0 To 9999. %



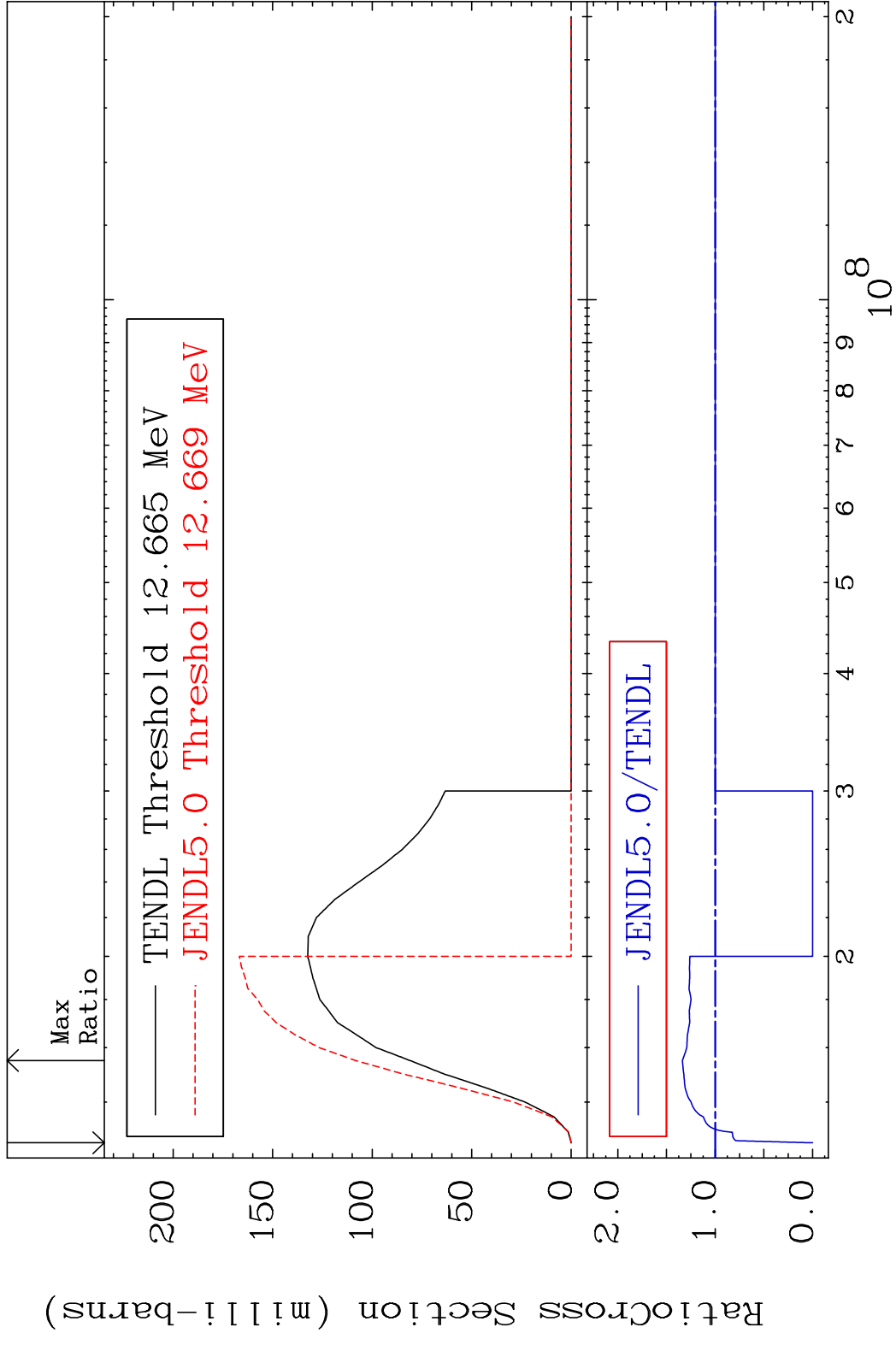
MAT 2519 Dpa disappearance (mt102 -120) 25-Mn-53
 Cross Section -100.0 To 432.4 %



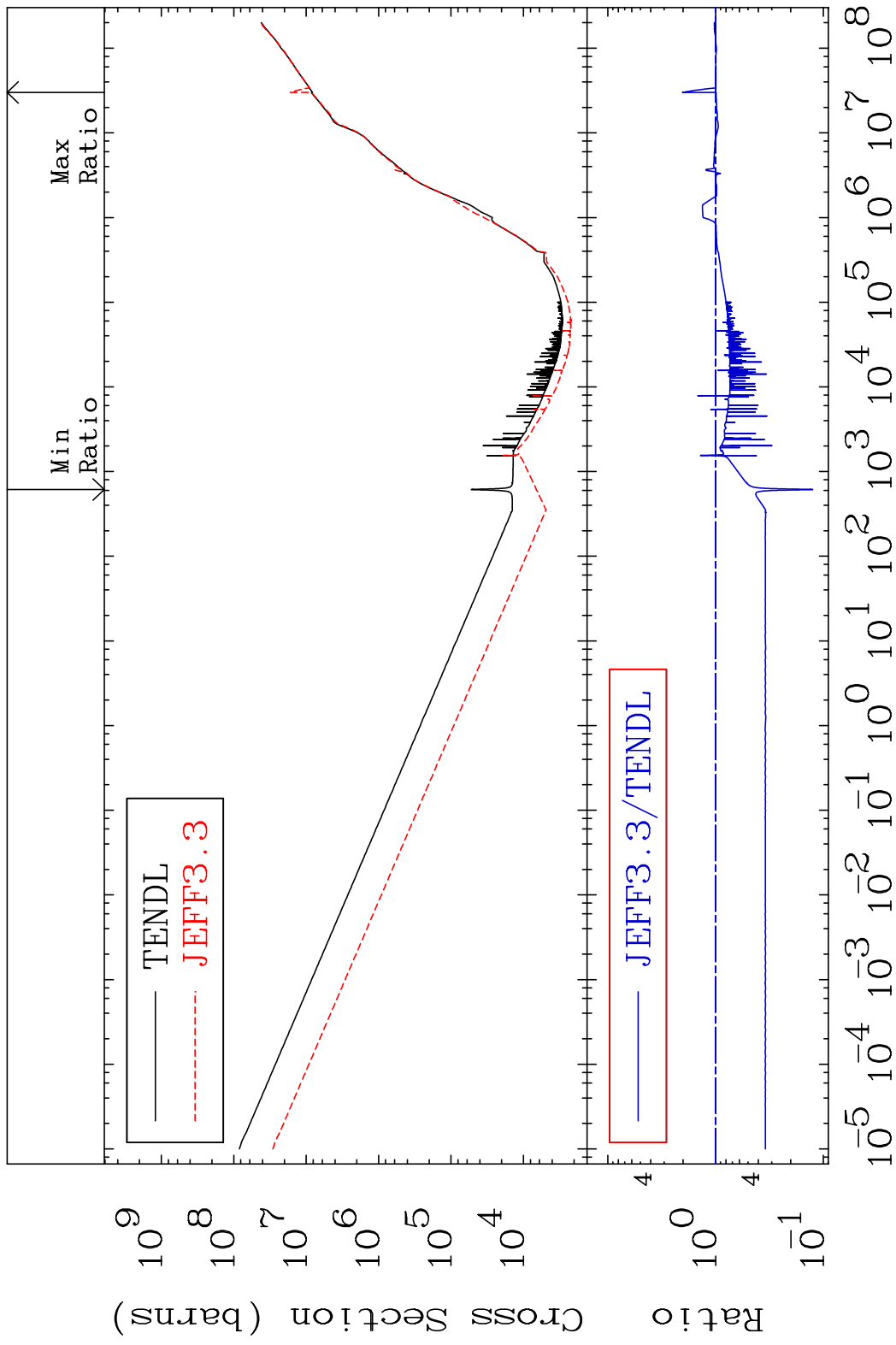
MAT 2519 (n,2n):25-Mn-52g 25-Mn-53
 Radionuclide Production Cross Section Ratio 0.000 %



MAT 2519 (n,2n):25-Mn-52m1 25-Mn-53
 Radionuclide Production Cross Section Ratio 33.74 %

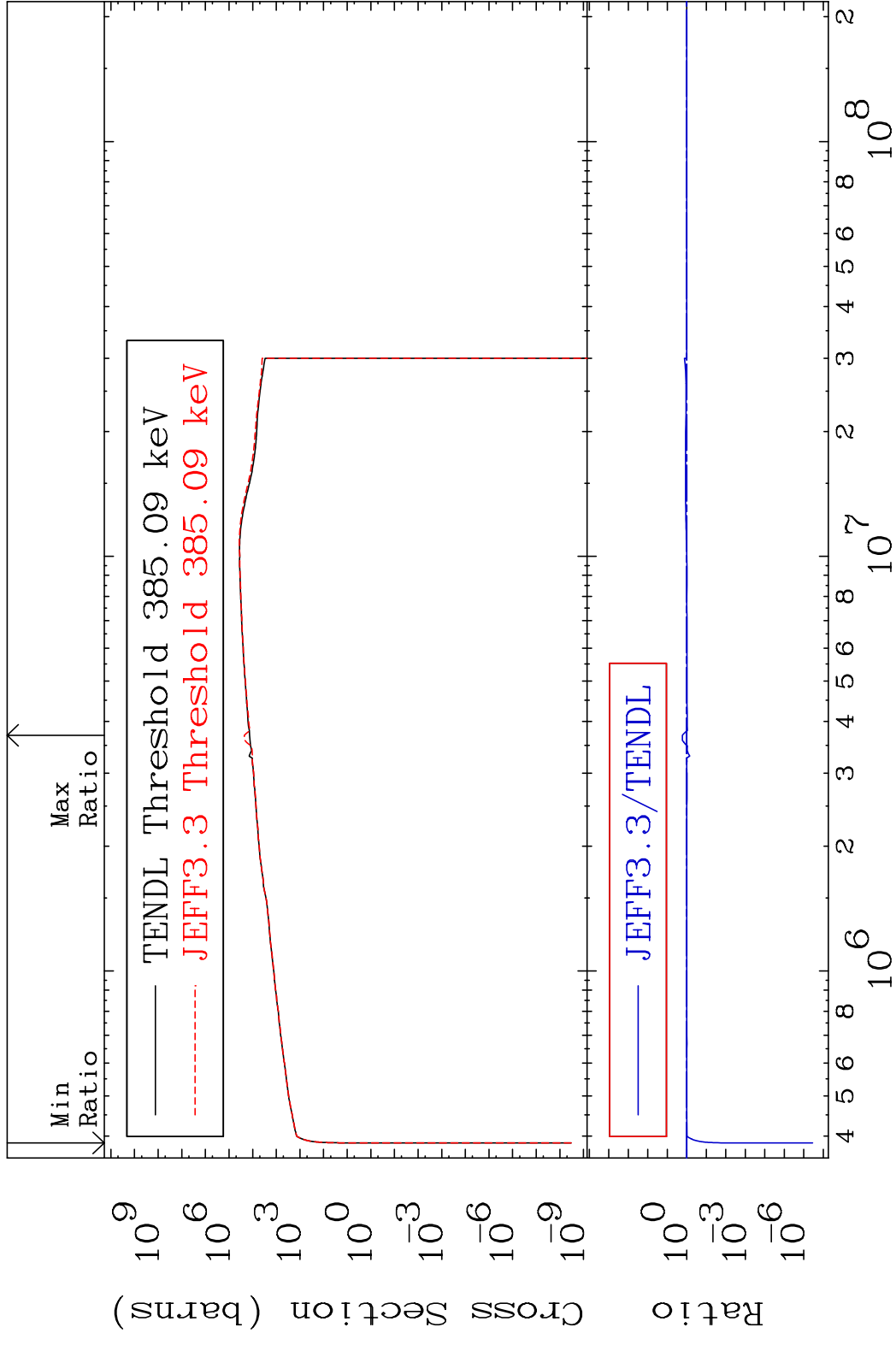


MAT 2519 Kerma non-elastic (all but mt2) 25-Mn-53
 Cross Section -87.44 To 103.5 %

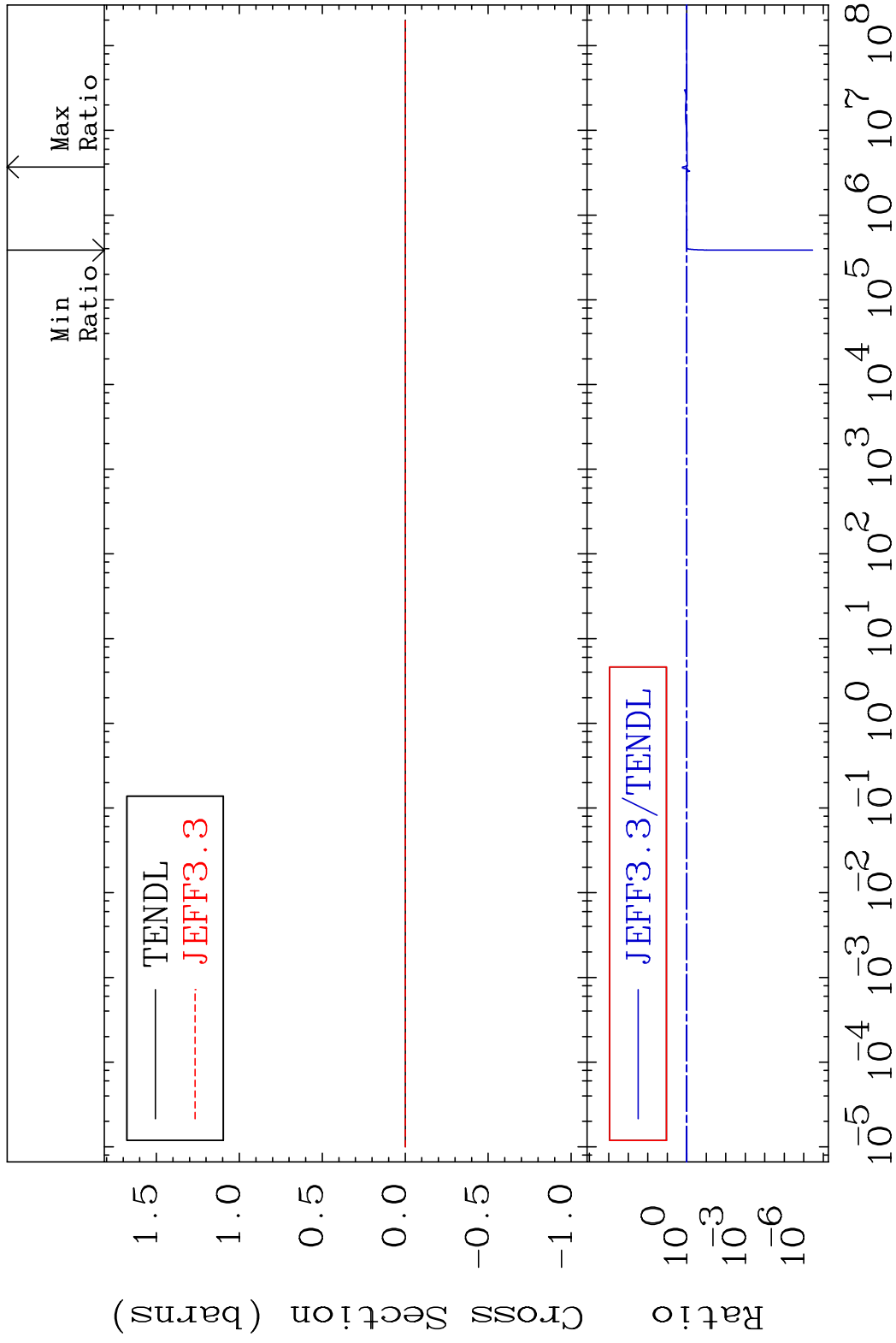


65 Incident Energy (eV) 25-Mn-53

MAT 2519 Kerma inelastic (mt51-91) 25-Mn-53
 Cross Section -100.0 To 68.32 %

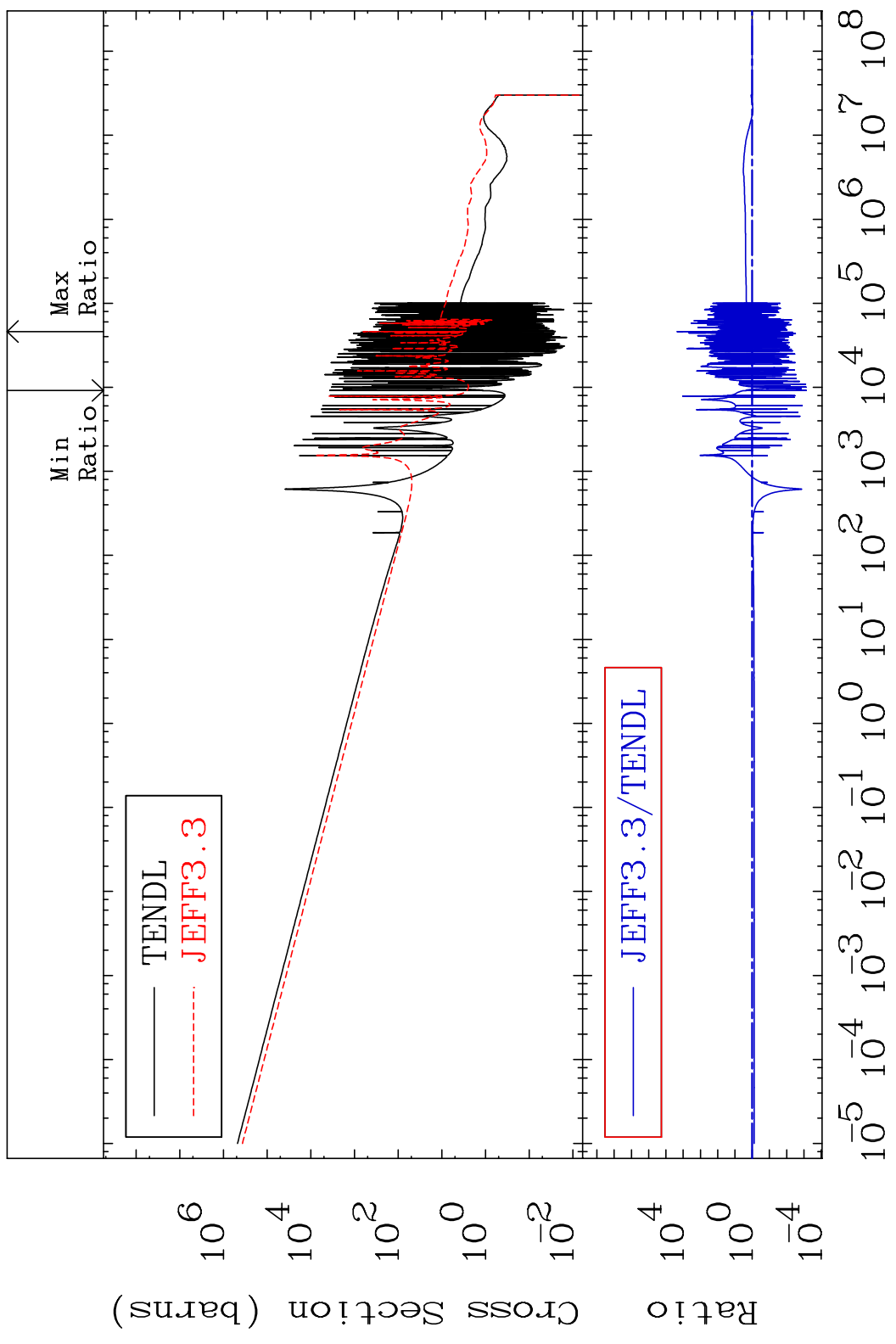


MAT 2519 Kerma fission (mt18 or mt19-20-21-38) 25-Mn-53
 Cross Section -100.0 To 68.32 %



MAT 2519

Kerma capture (mt102) 25-Mn-53
Cross Section -99.93 To 9999. %

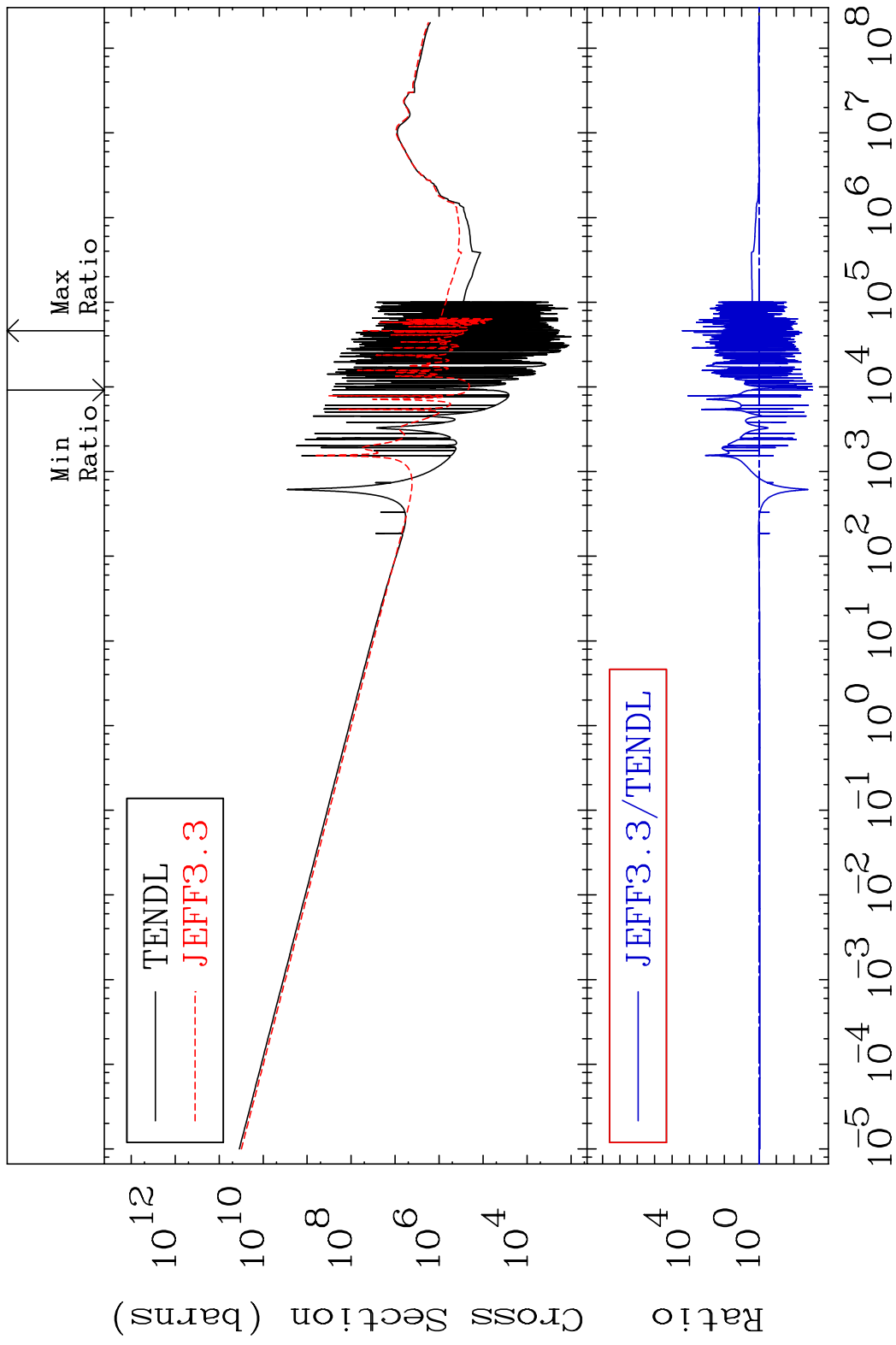


68

Incident Energy (eV)

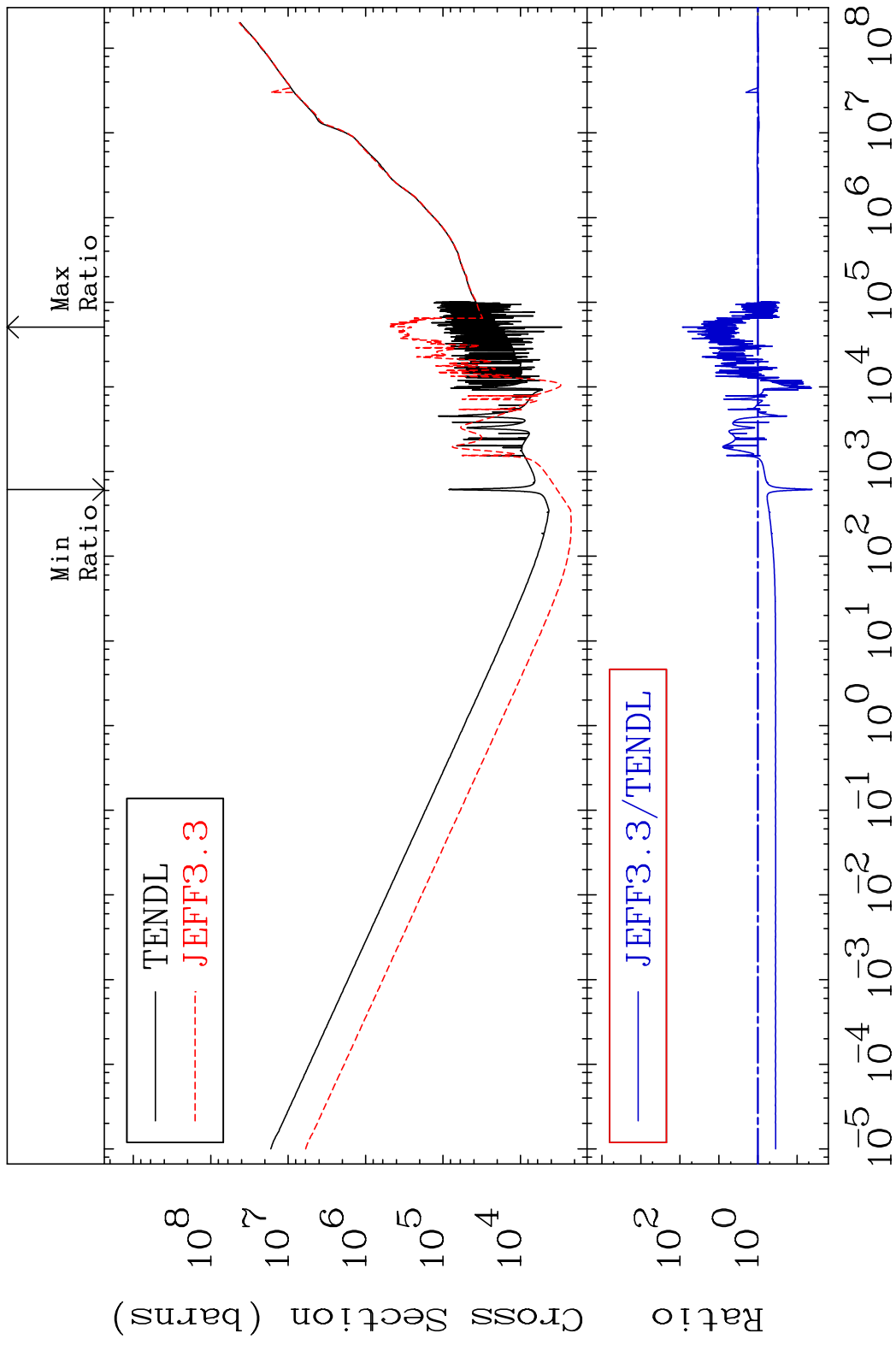
25-Mn-53

MAT 2519 Total photon (eV-barns) 25-Mn-53
 Cross Section -99.92 To 9999. %



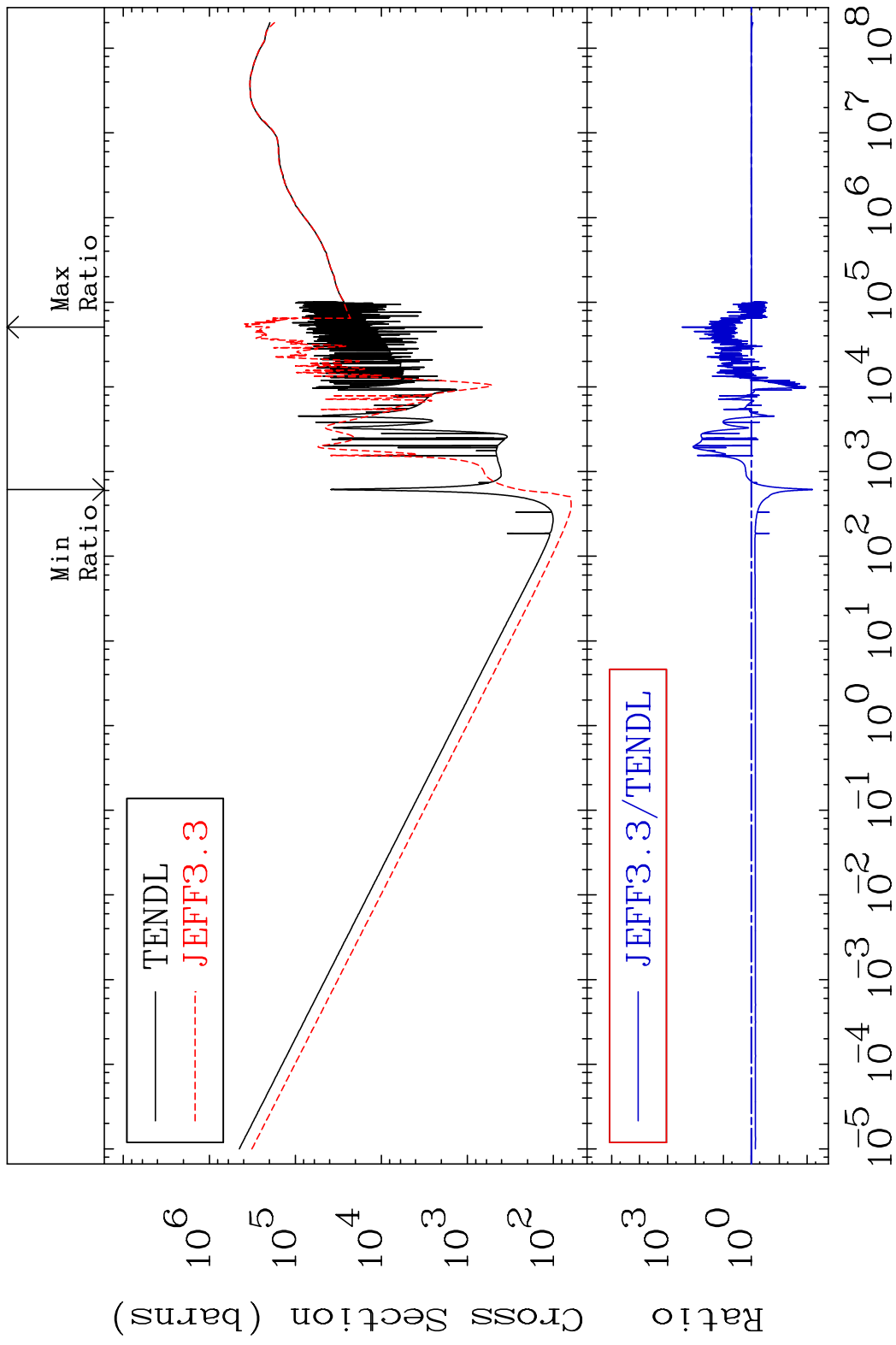
69 Incident Energy (eV) 25-Mn-53

MAT 2519 Total kinematic kerma (high limit) 25-Mn-53
Cross Section -96.00 To 8544. %



70 Incident Energy (eV) 25-Mn-53

MAT 2519 Dpa total (eV-barns) 25-Mn-53
 Cross Section -99.35 To 9999. %



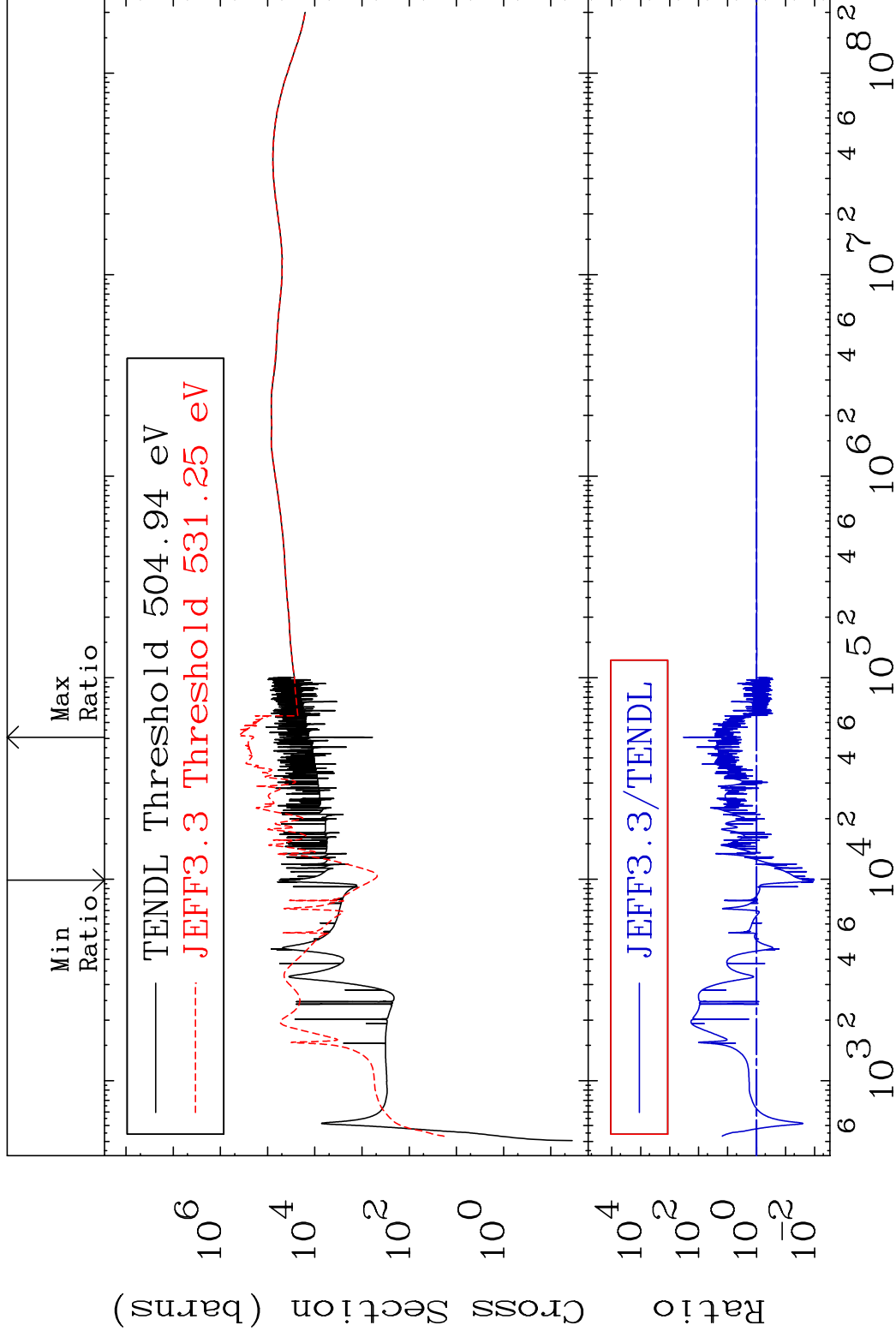
71 Incident Energy (eV) 25-Mn-53

MAT 2519

Dpa elastic (mt2)

25-Mn-53

Cross Section -98.96 To 9999. %

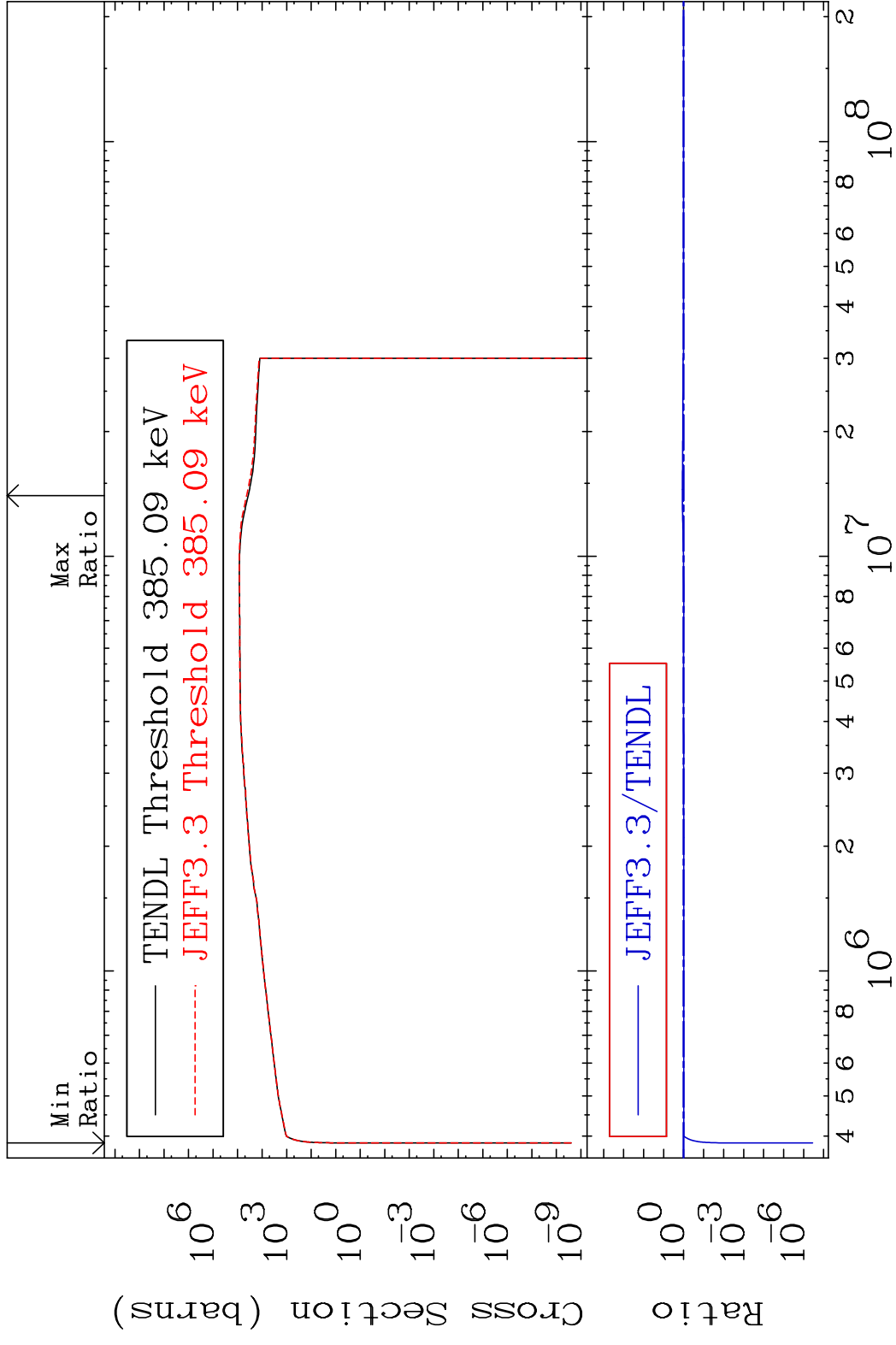


72

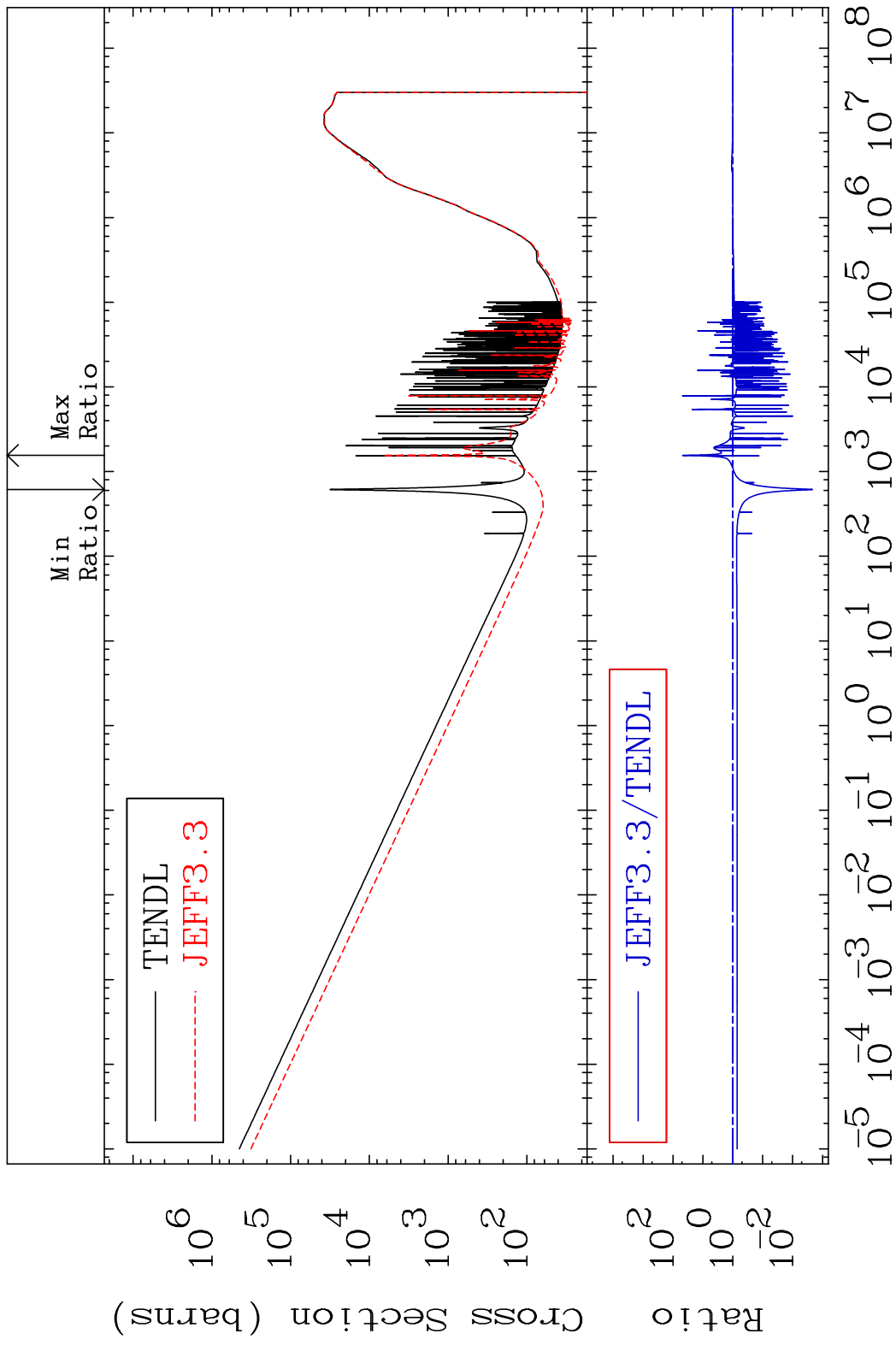
Incident Energy (eV)

25-Mn-53

MAT 2519 Dpa inelastic (mt51-91) 25-Mn-53
 Cross Section -100.0 To 15.96 %

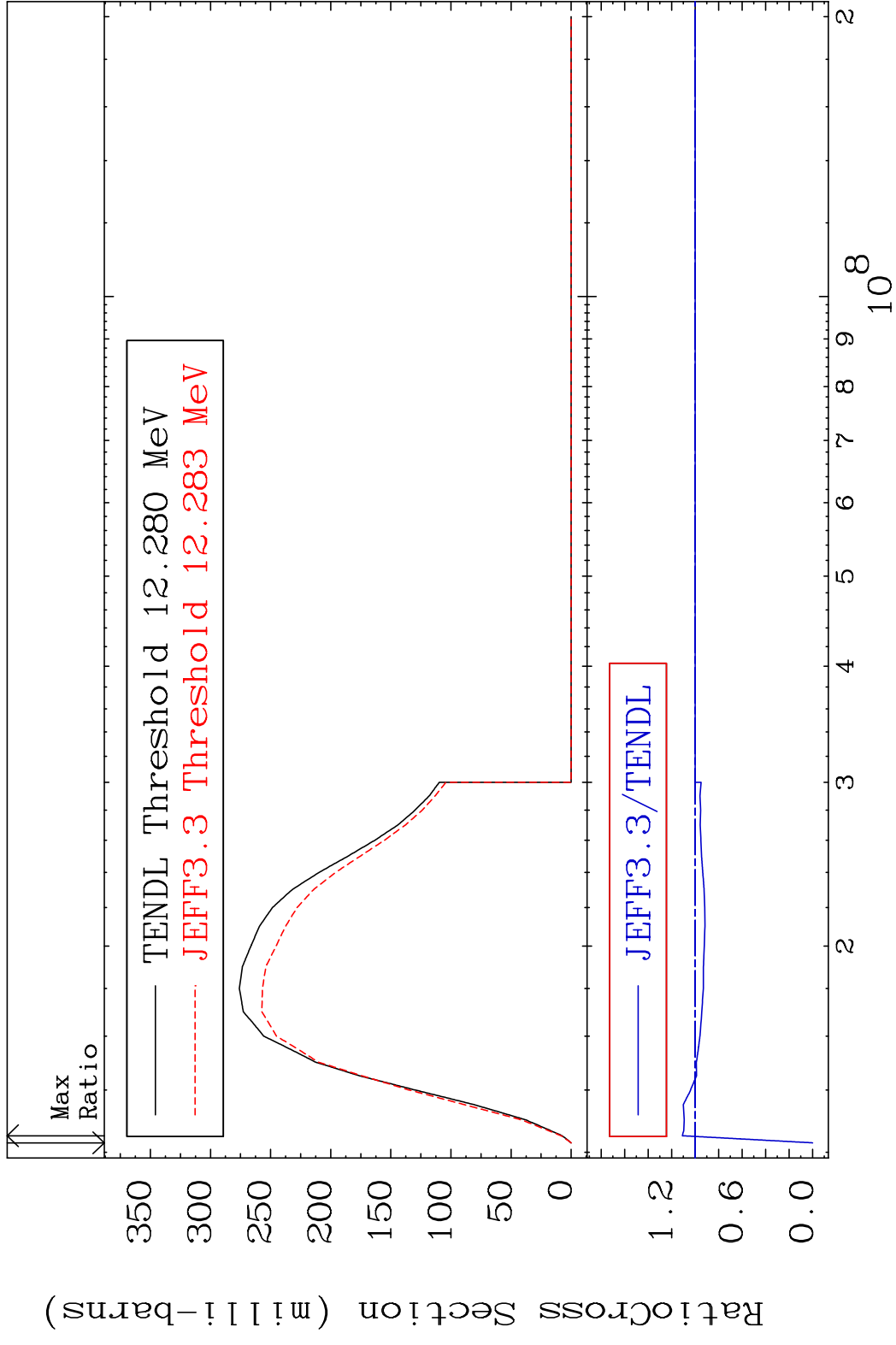


MAT 2519 Dpa disappearance (mt102 -120) 25-Mn-53
 Cross Section -99.78 To 4756. %

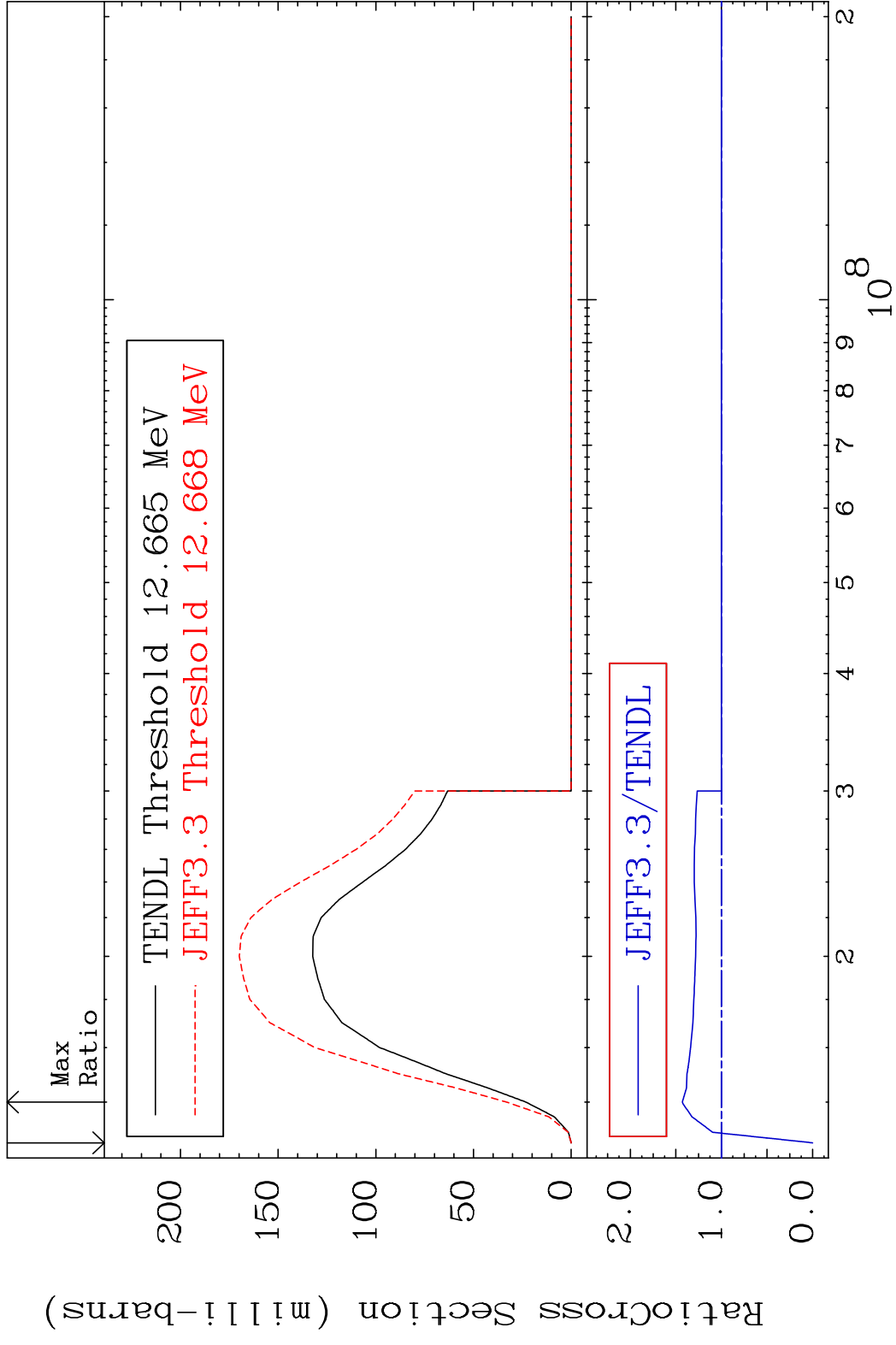


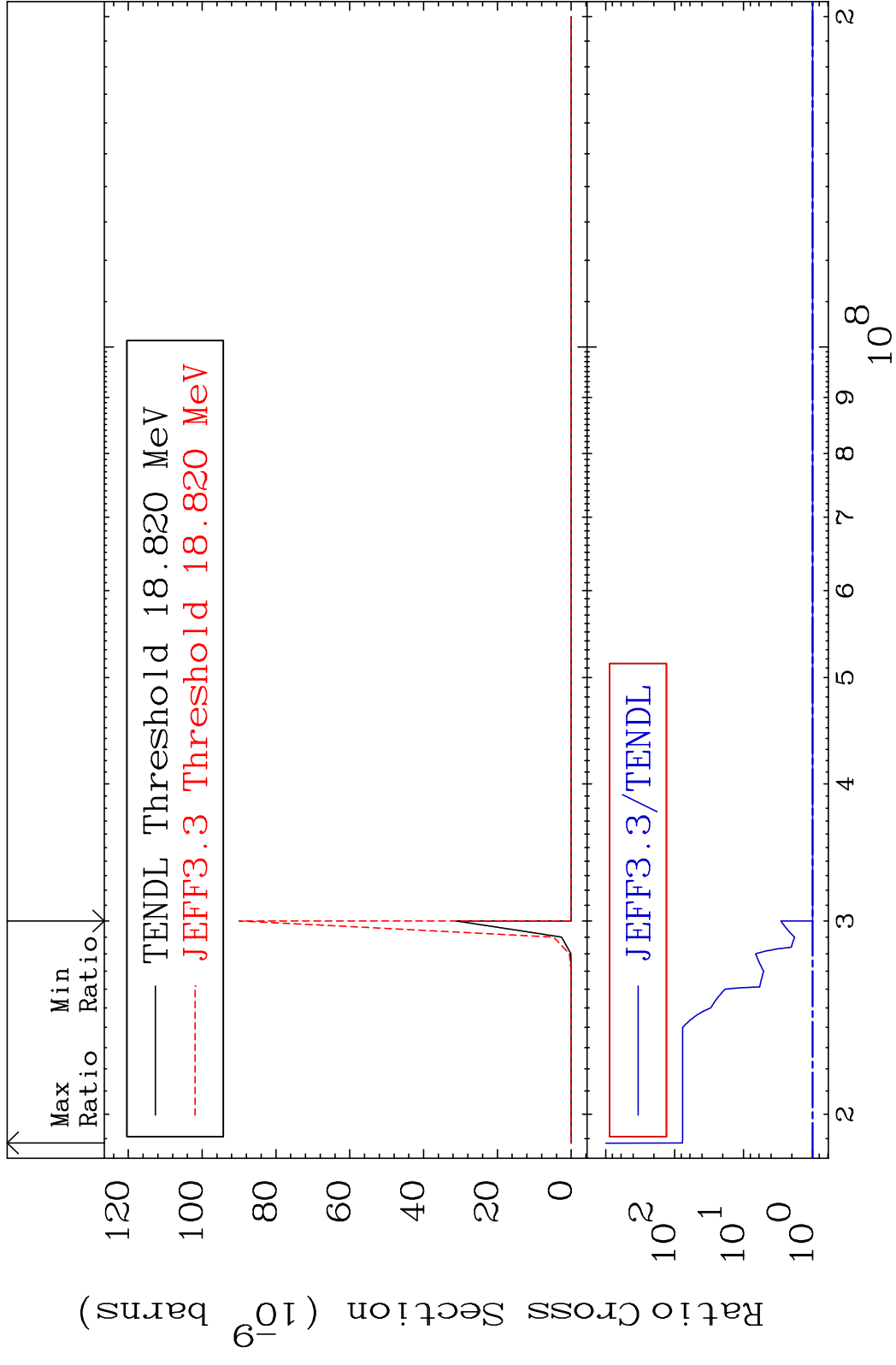
74 Incident Energy (eV) 25-Mn-53

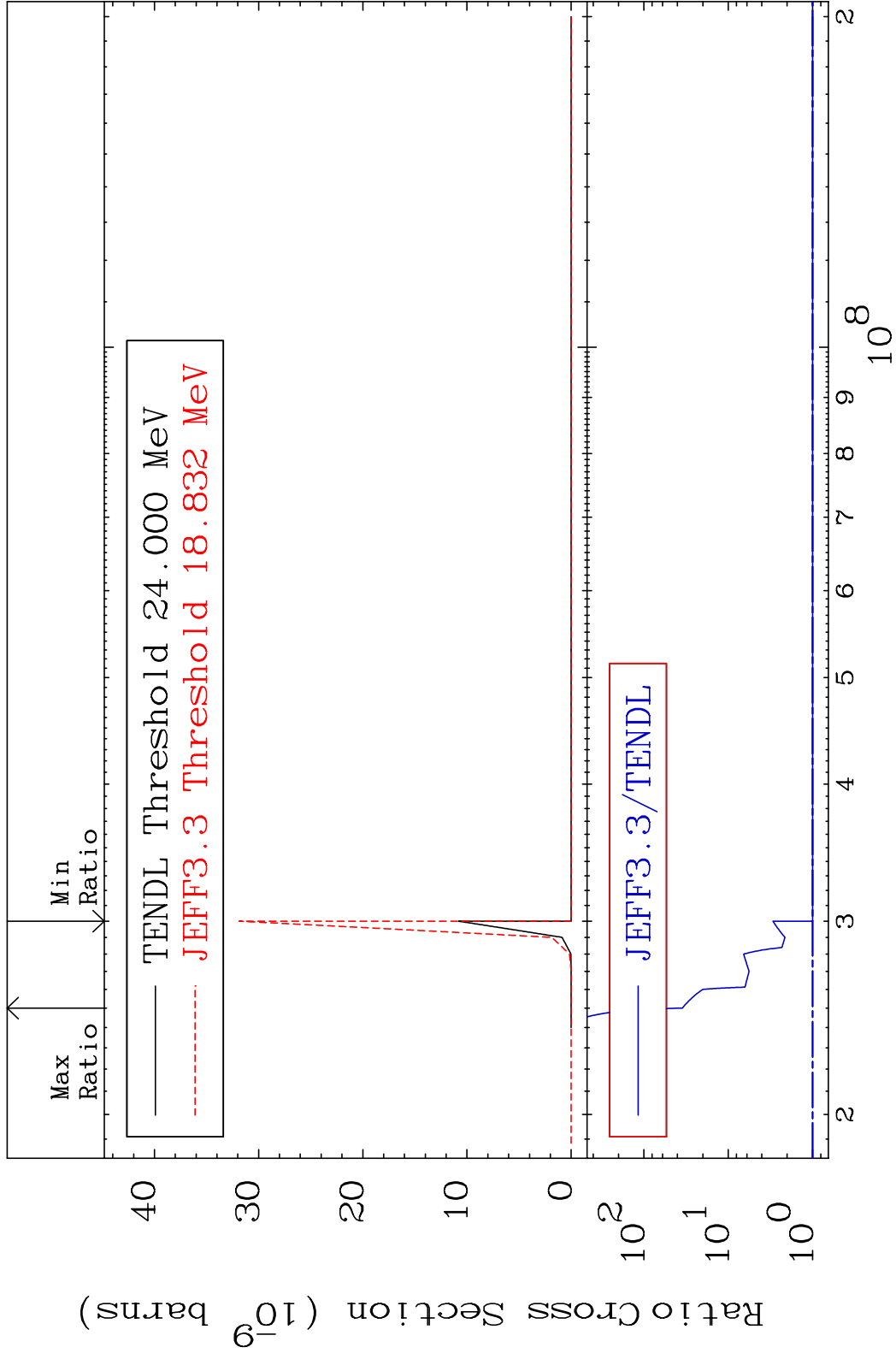
MAT 2519 (n,2n):25-Mn-52g 25-Mn-53
 Radionuclide Production Cross Section 100.00 dth 10.85 %



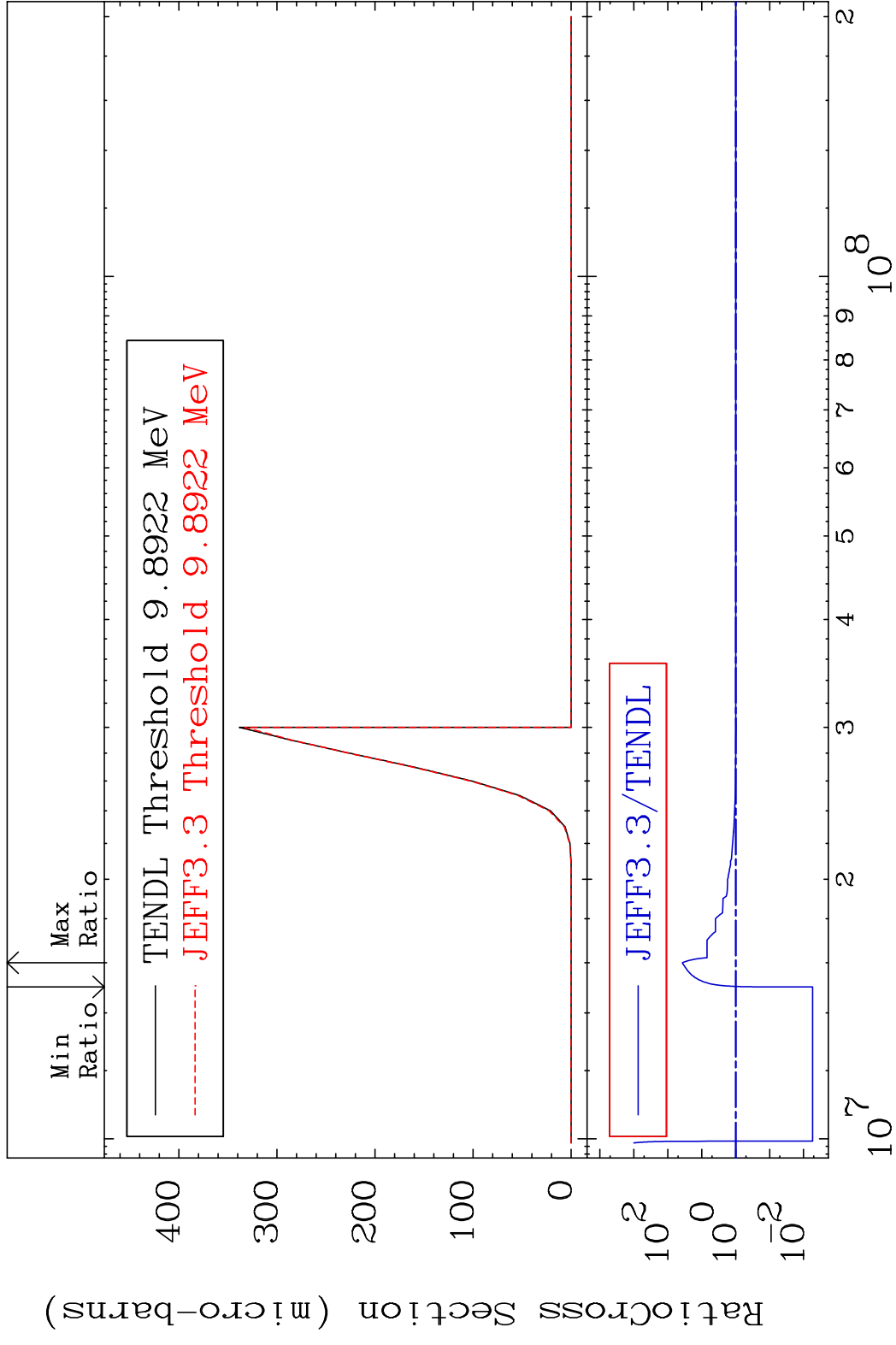
MAT 2519 (n,2n):25-Mn-52m1 25-Mn-53
 Radionuclide Production Cross Section 180.01 dth 42.90 %





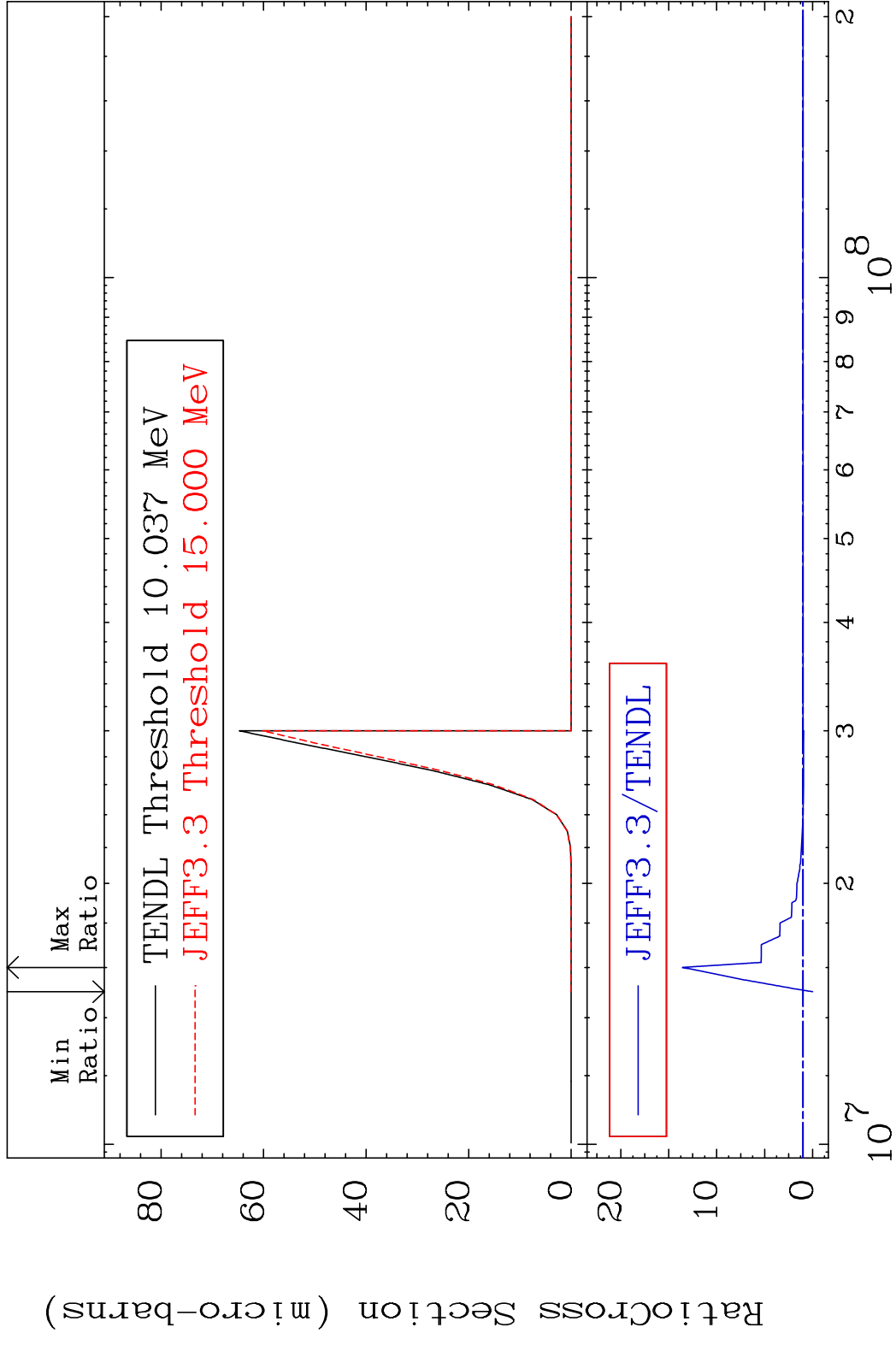


MAT 2519 (n,2α):21-Sc-46g 25-Mn-53
 Radionuclide Production Cross Section 98.461 d to 3626. %



79 Incident Energy (eV) 25-Mn-53

MAT 2519 (n,2α):21-Sc-46m2 25-Mn-53
 Radionuclide Production Cross Section 1800 d to 1258. %



80 25-Mn-53