

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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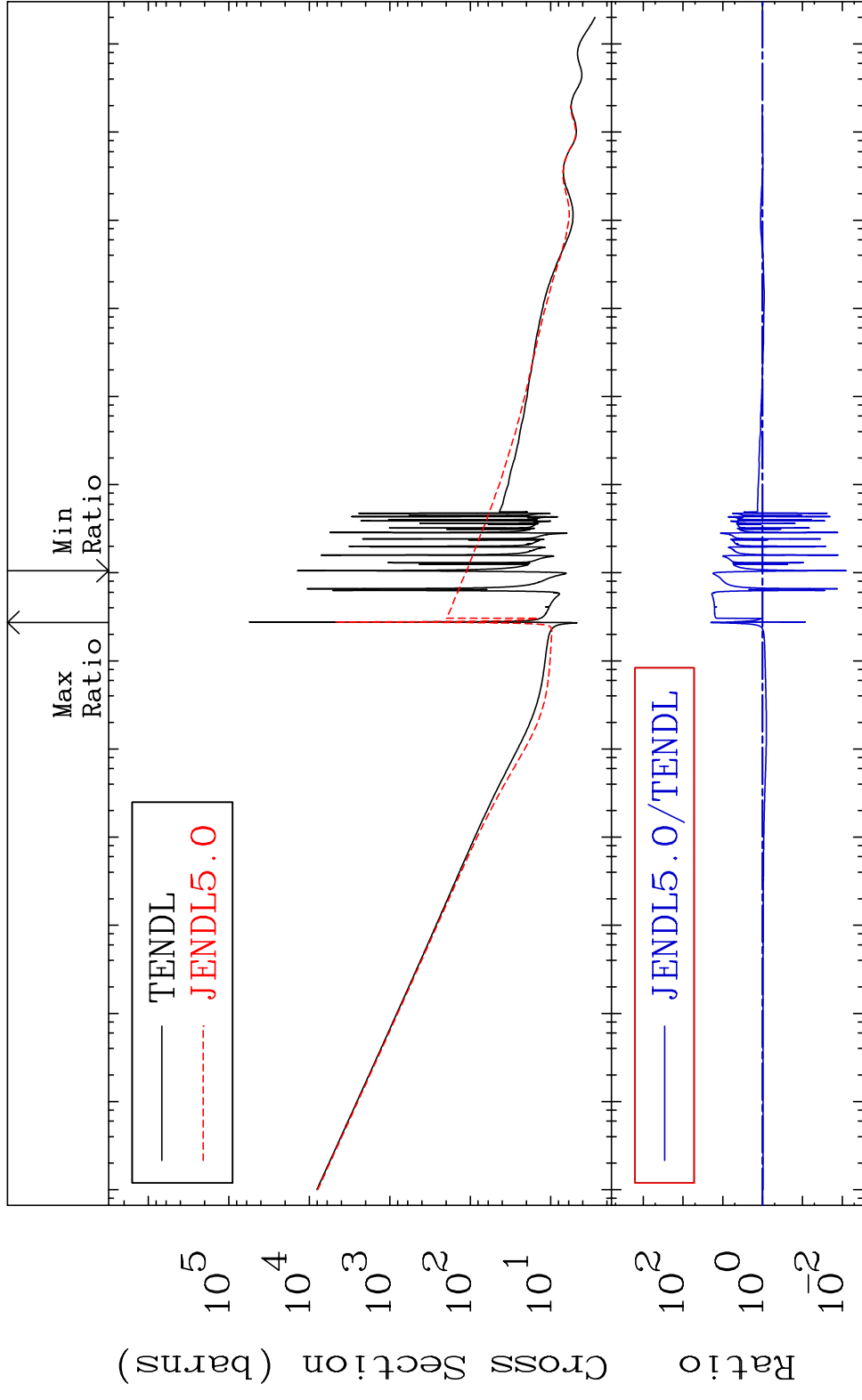
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7825

Total Cross Section -99.21 To 1919. %

78-Pt-190



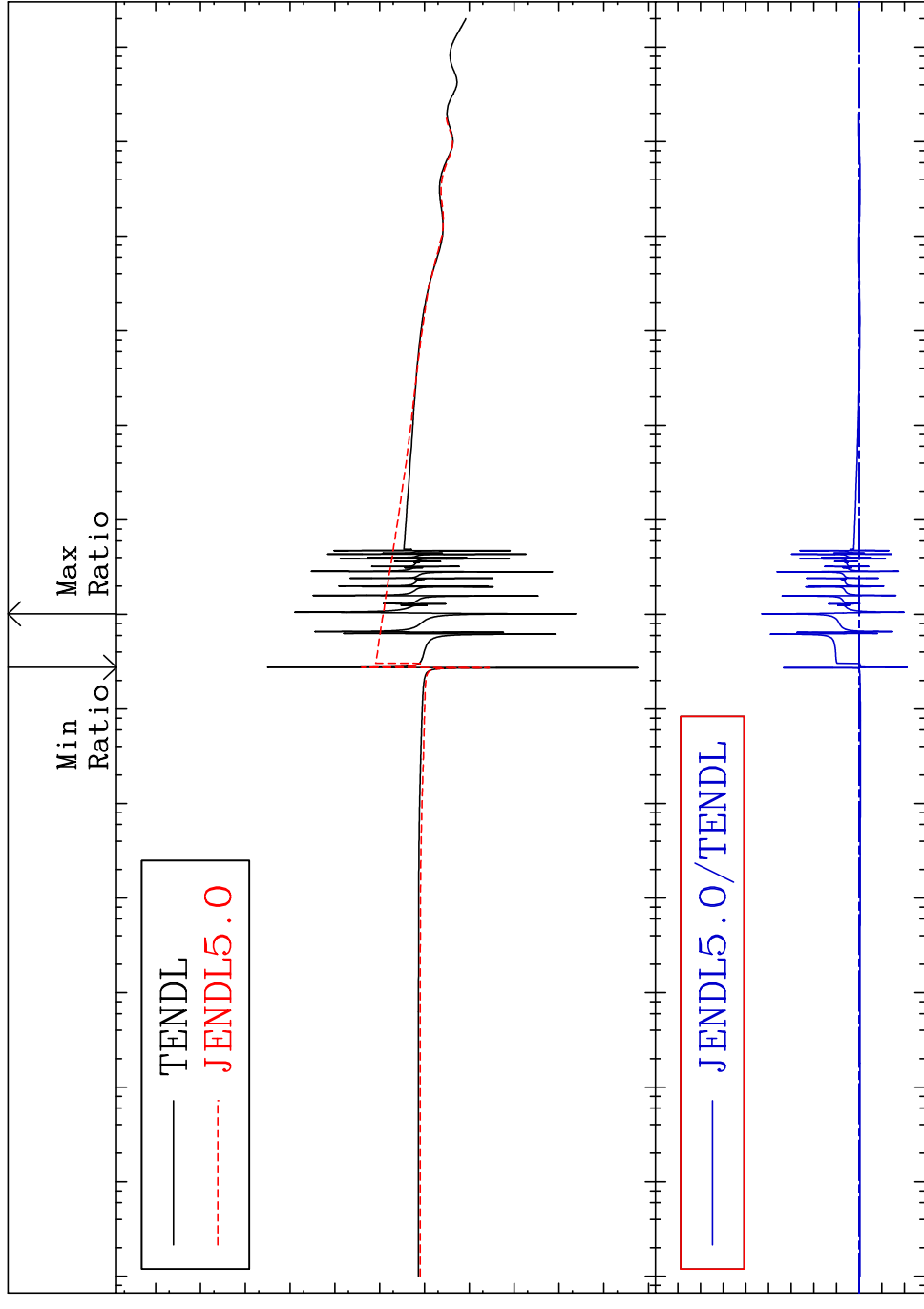
1 Incident Energy (eV) 78-Pt-190

MAT 7825

Elastic

78-Pt-190

Cross Section -99.24 To 9999. %



Ratio
Cross Section (barns)

10^6
 10^4
 10^2
 10^0
 10^{-2}
 10^{-4}
 10^6
 10^3
 10^0

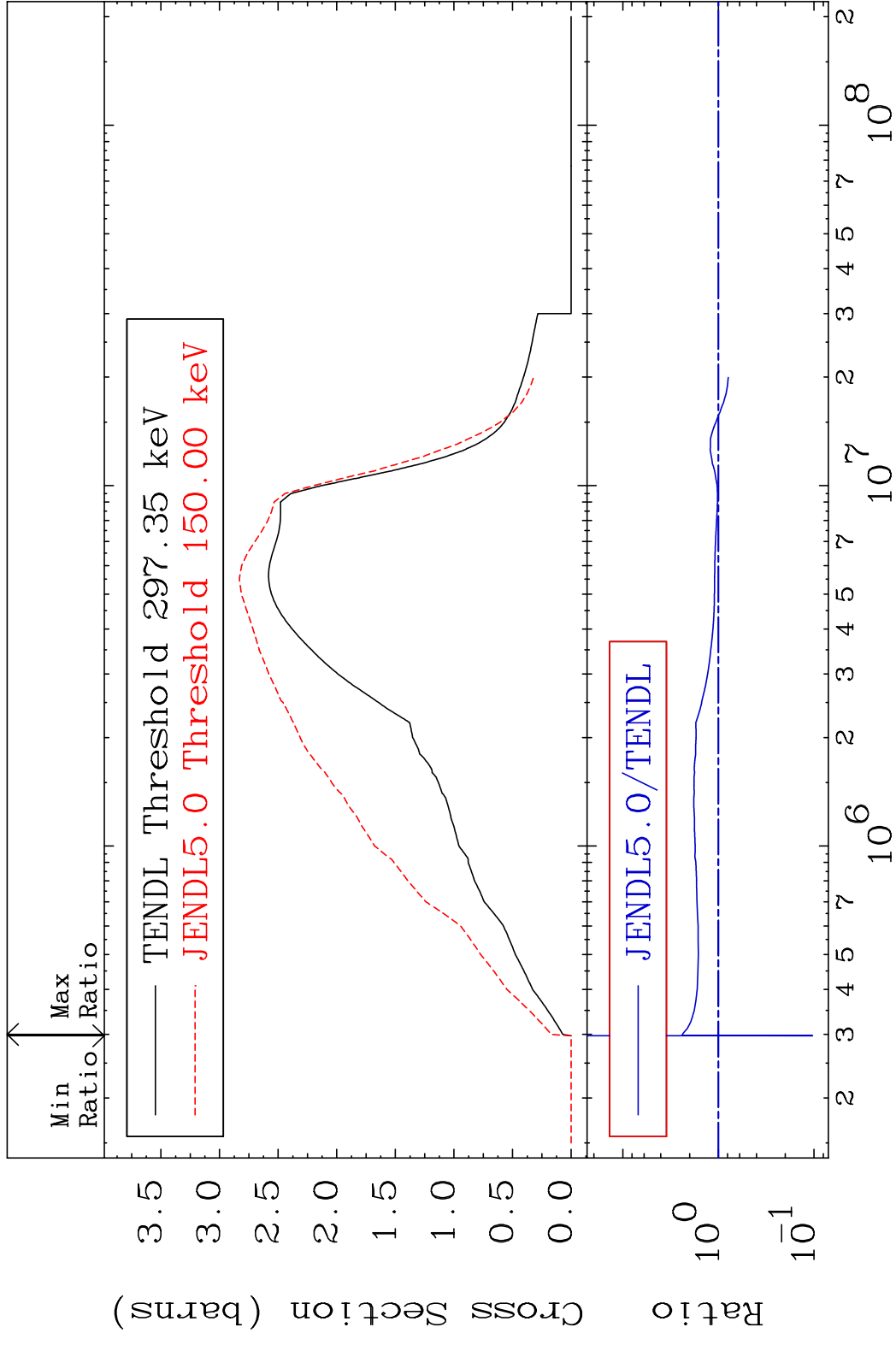
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

2

Incident Energy (eV)

78-Pt-190

MAT 7825 Inelastic 78-Pt-190
 Cross Section -89.65 To 138.2 %

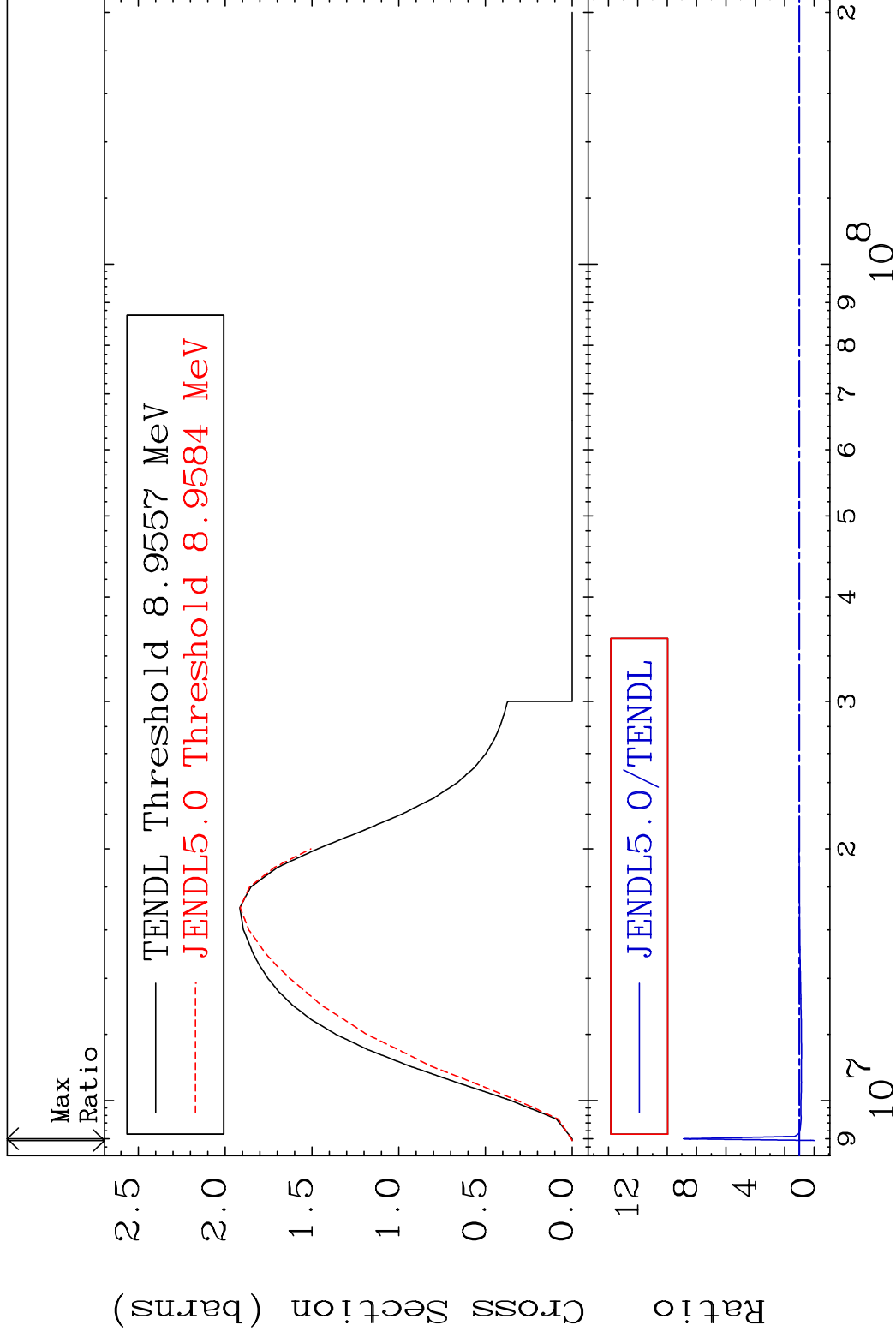


MAT 7825

(n,2n)

78-Pt-190

Cross Section -100.0 To 788.1 %



4

Incident Energy (eV)

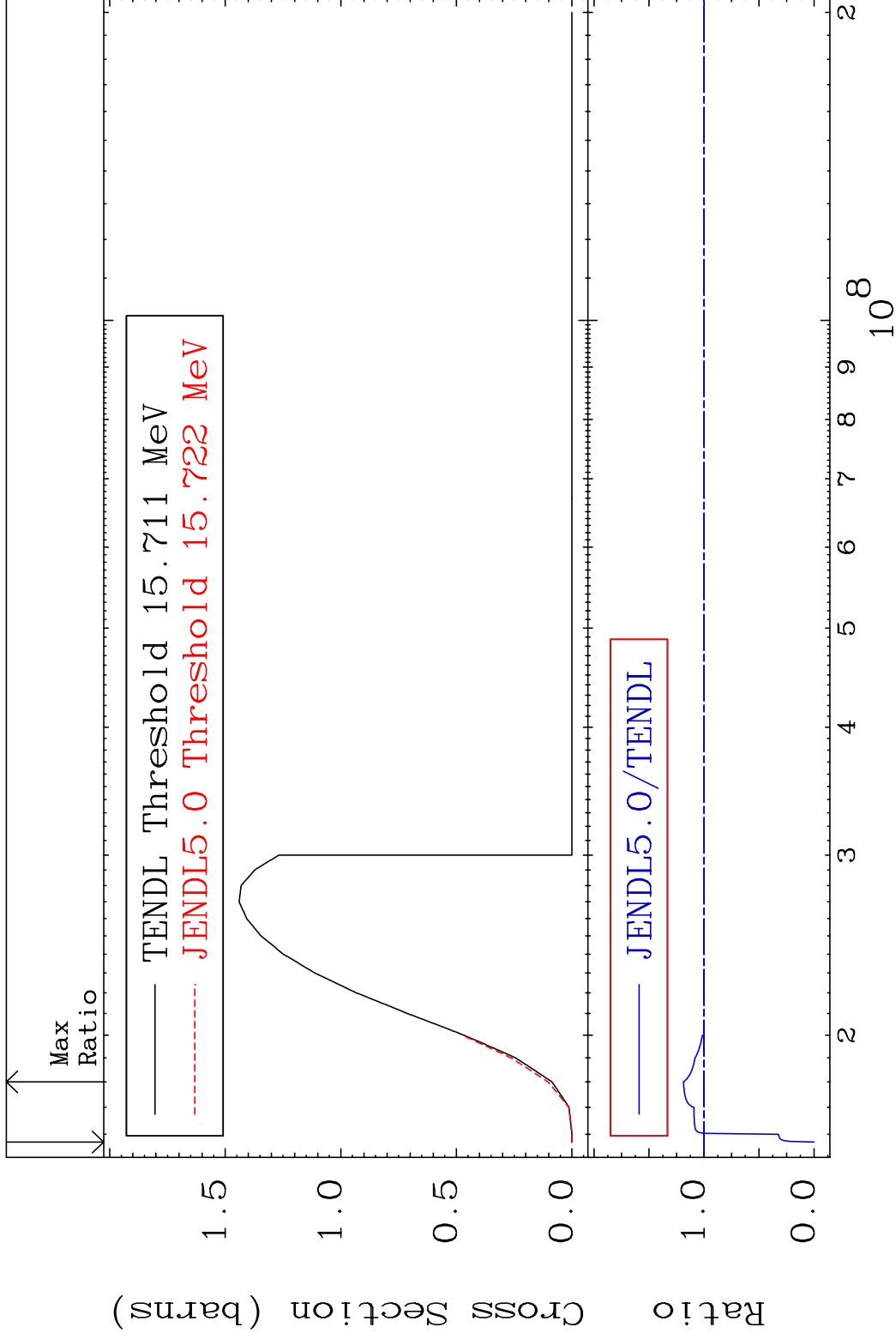
78-Pt-190

MAT 7825

(n,3n)

78-Pt-190

Cross Section -100.0 To 18.73 %



5

Incident Energy (eV)

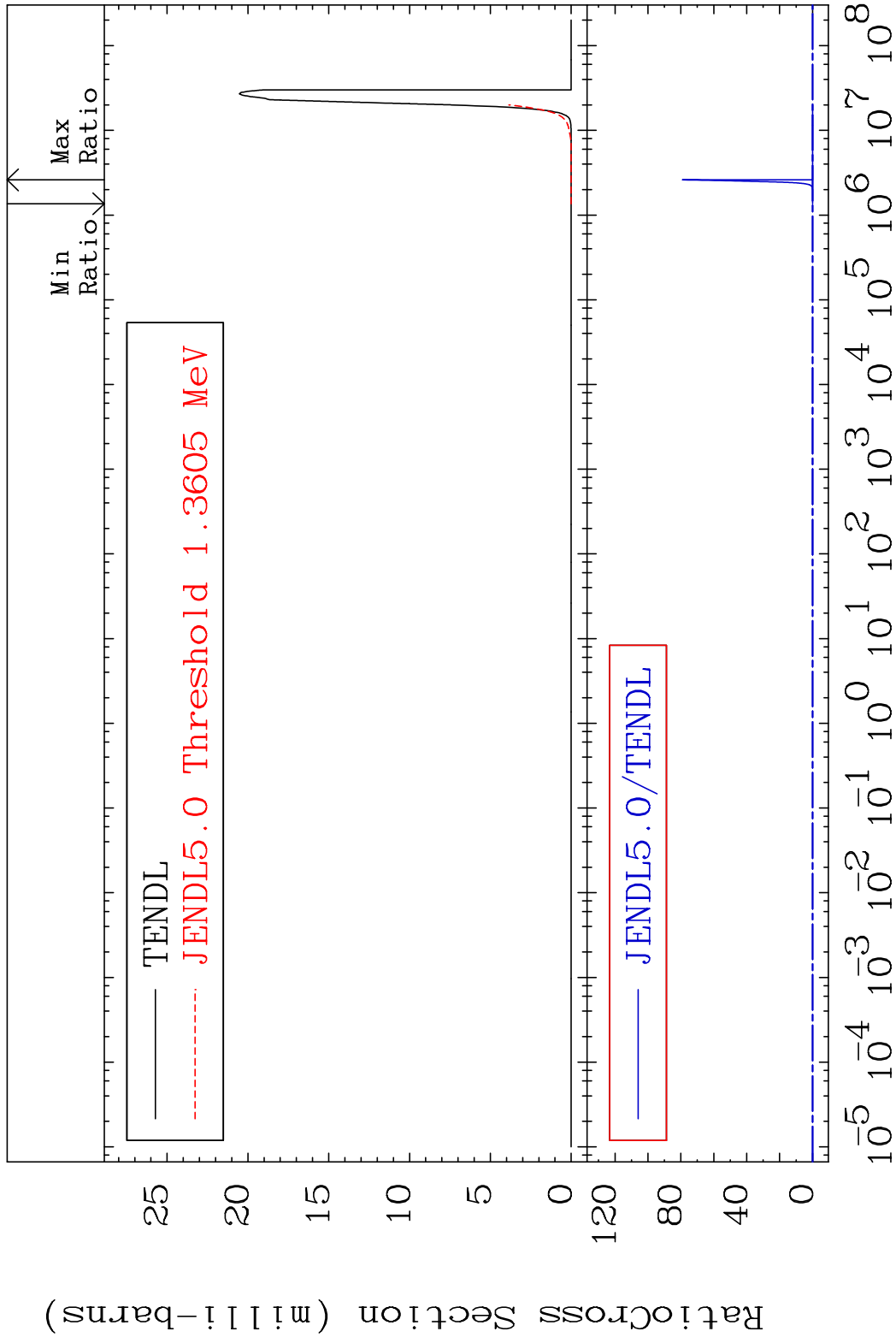
78-Pt-190

MAT 7825

(n, n') α

78-Pt-190

Cross Section -100.0 To 9999. %

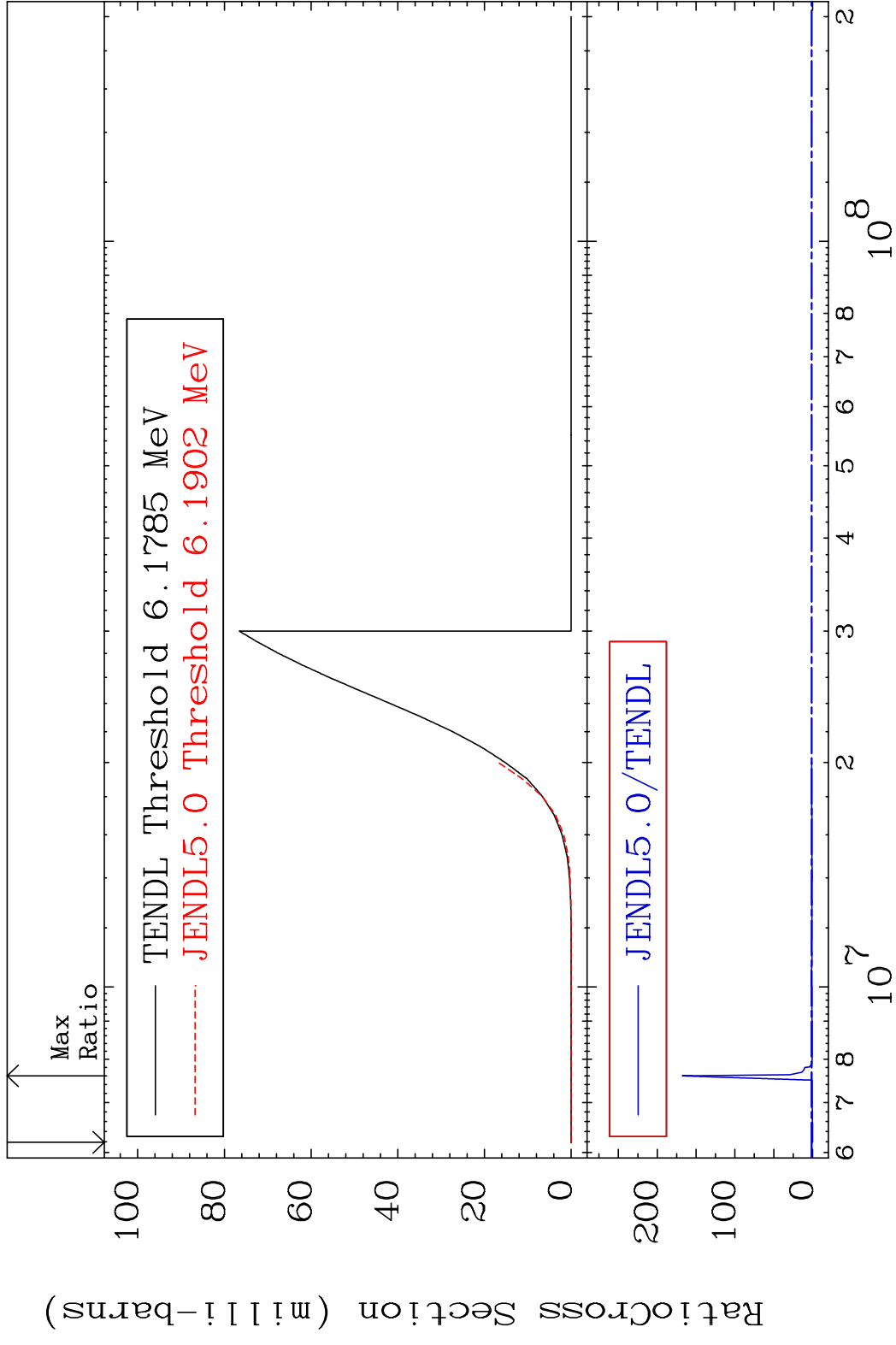


6

Incident Energy (eV)

78-Pt-190

MAT 7825 (n, n') p 78-Pt-190
 Cross Section -100.0 To 9999. %



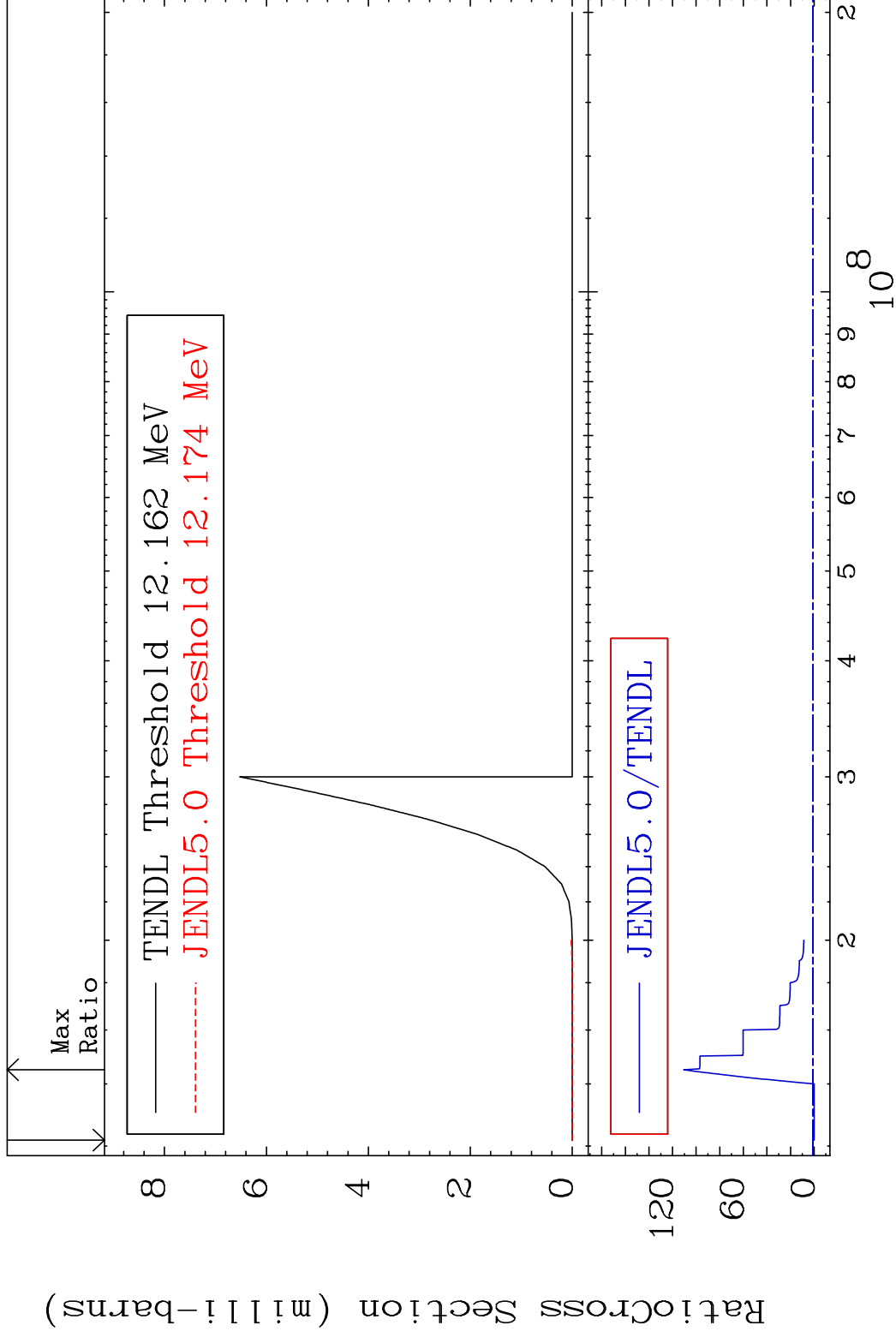
7 78-Pt-190

MAT 7825

(n, n') d

78-Pt-190

Cross Section -100.0 To 9999. %

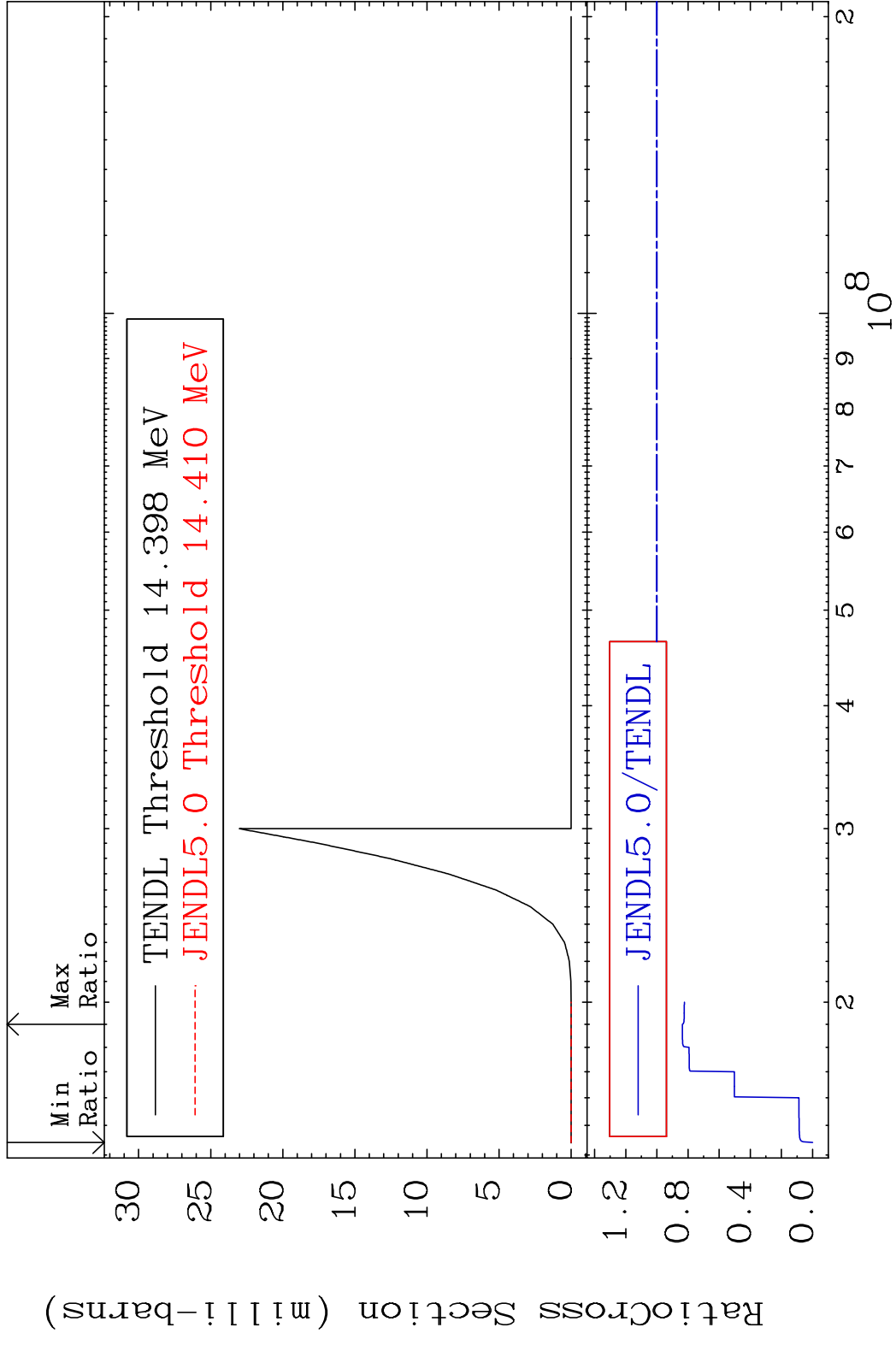


8

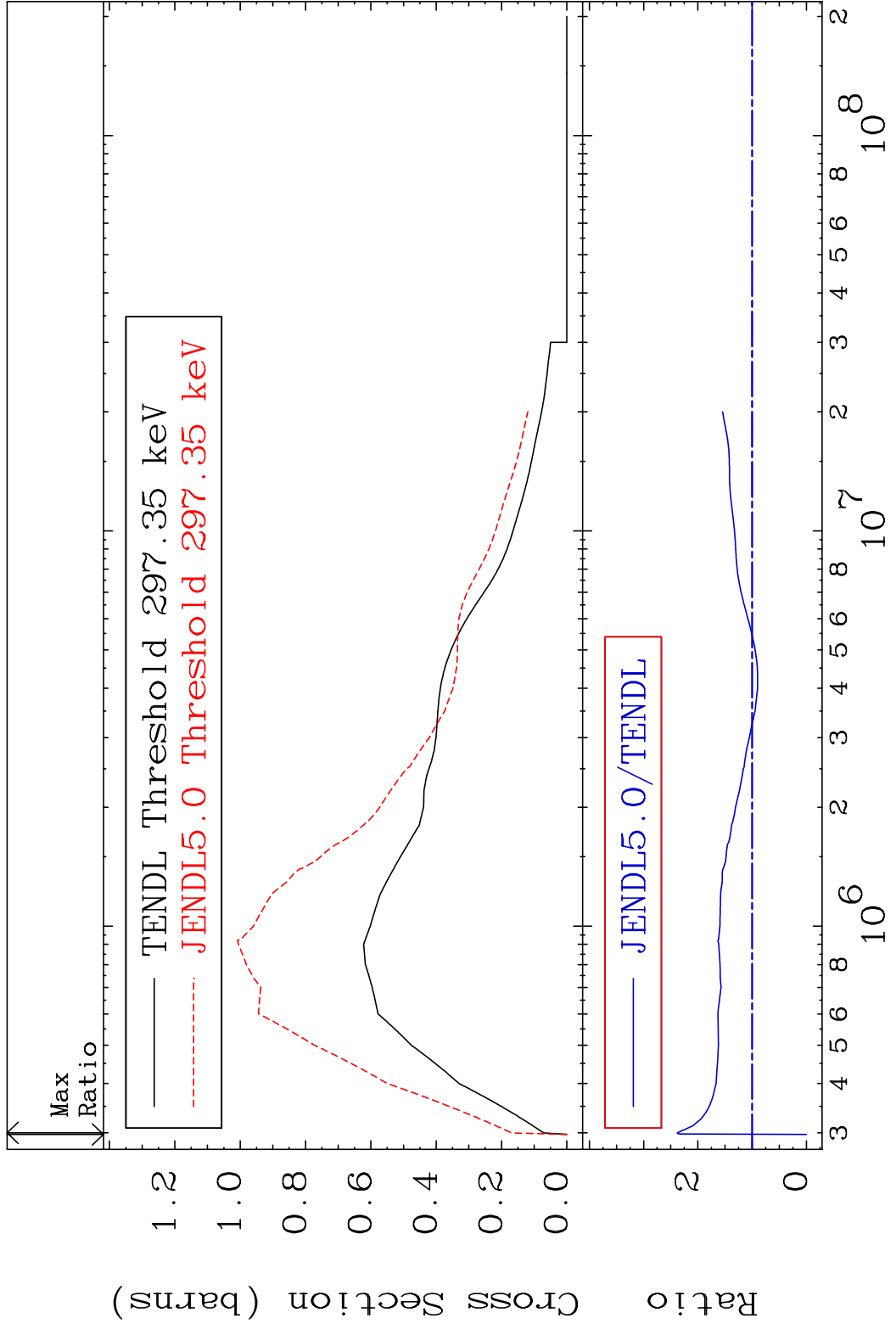
Incident Energy (eV)

78-Pt-190

MAT 7825 (n,2n) p 78-Pt-190
 Cross Section -100.0 To -16.36%

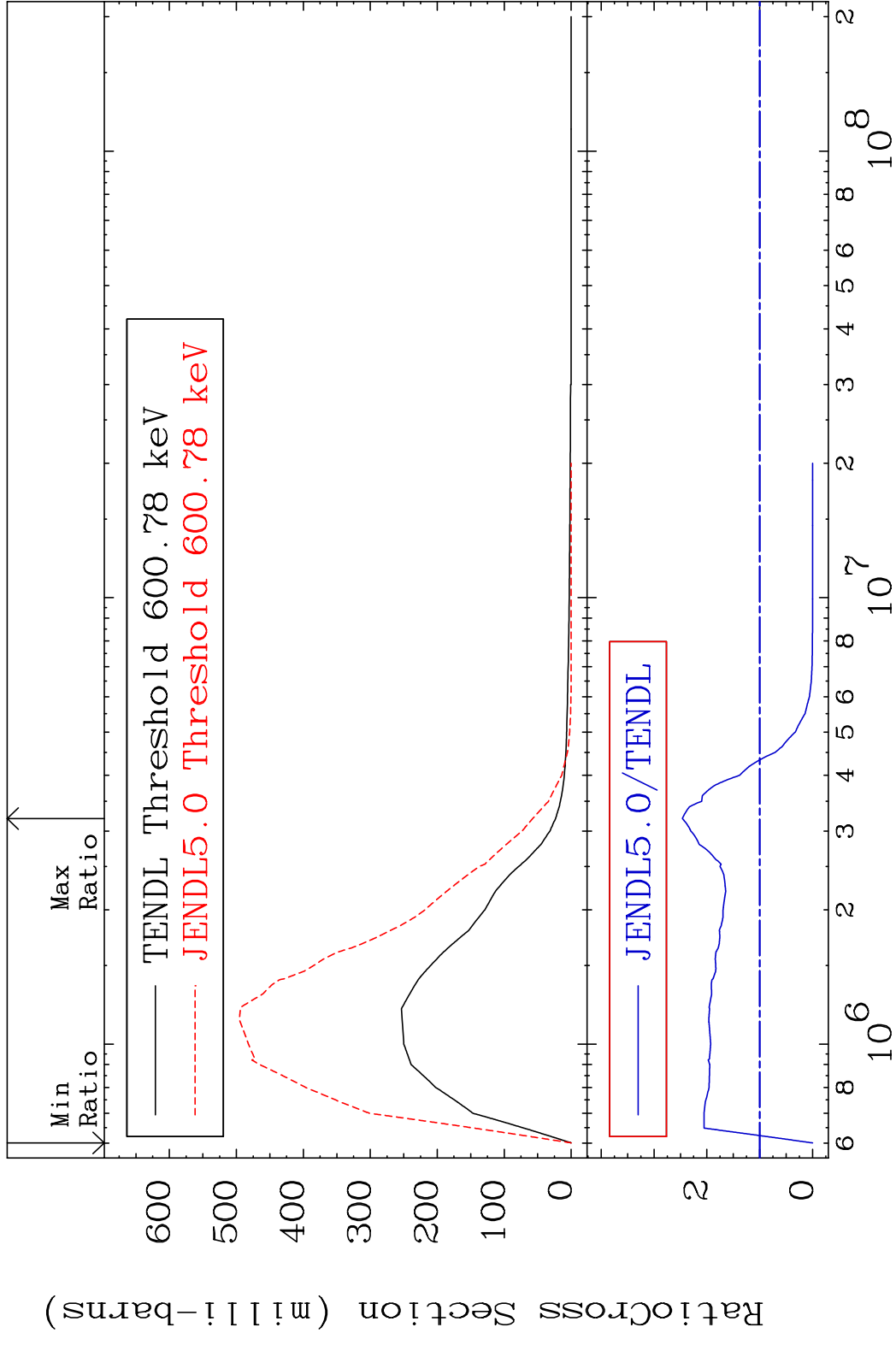


MAT 7825 MT= 51 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 138.1 %

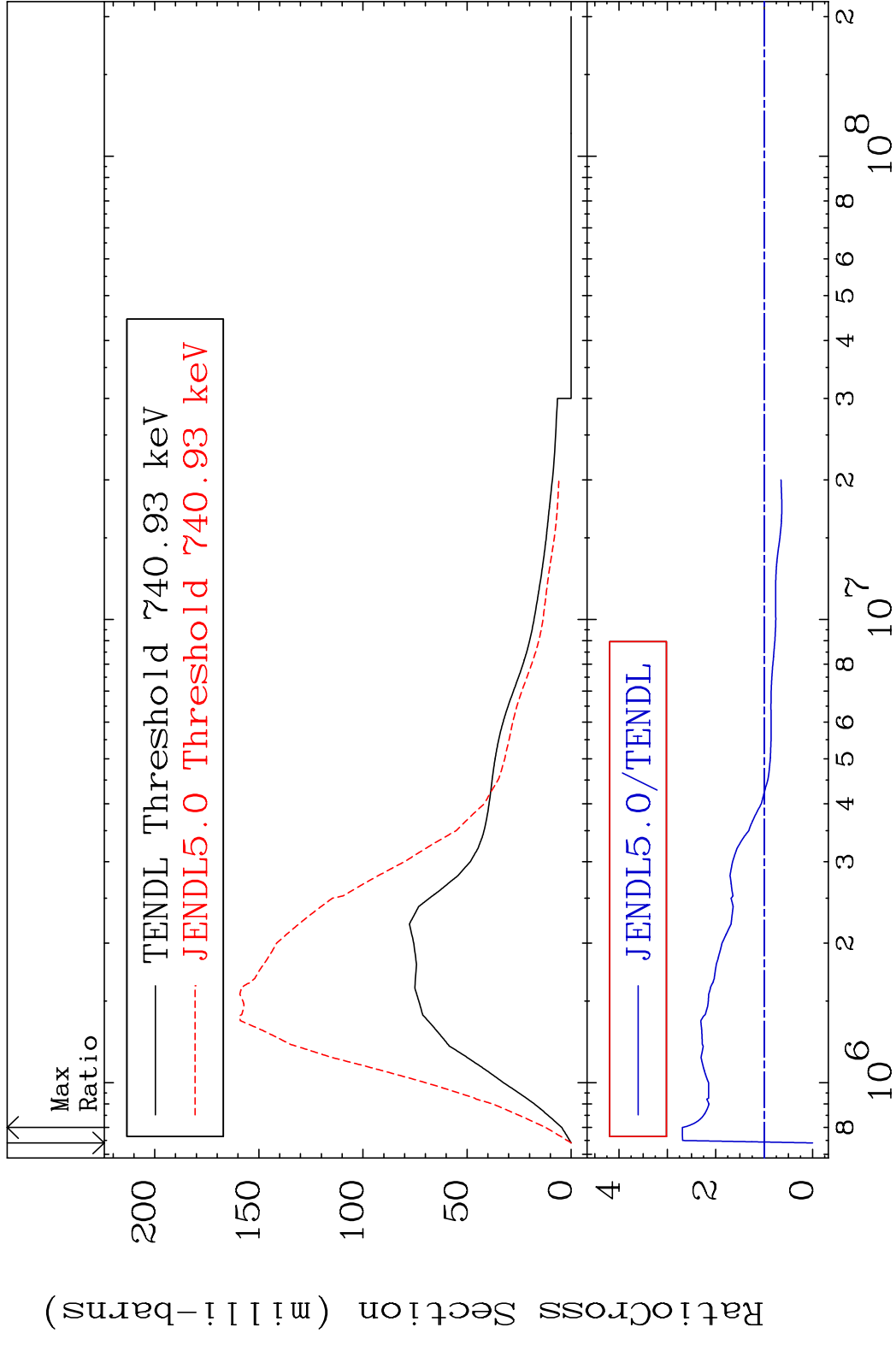


10 Incident Energy (eV) 78-Pt-190

MAT 7825 MT= 52 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 146.4 %

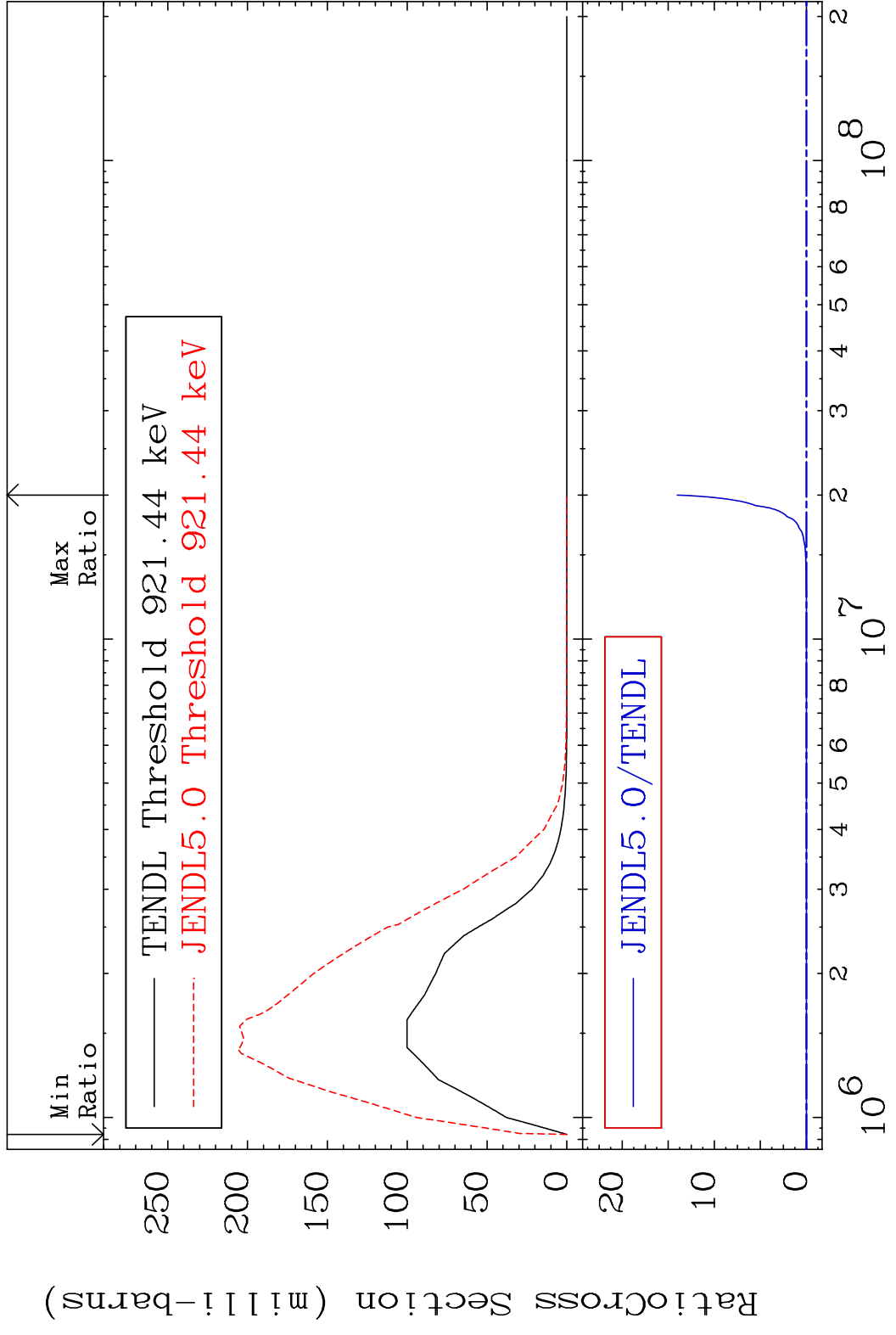


MAT 7825 MT= 53 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 169.0 %



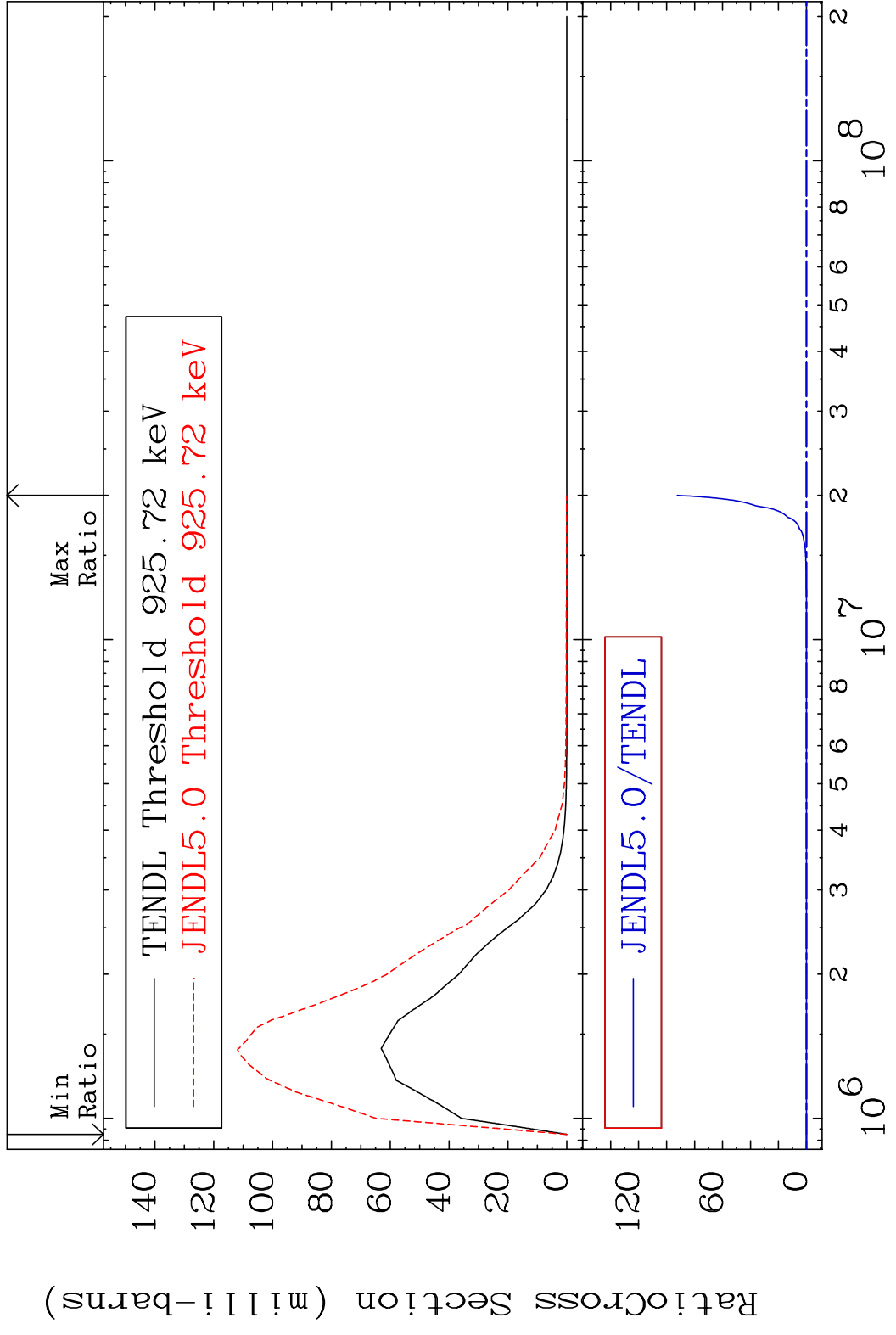
12 Incident Energy (eV) 78-Pt-190

MAT 7825 MT= 54 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9999. %



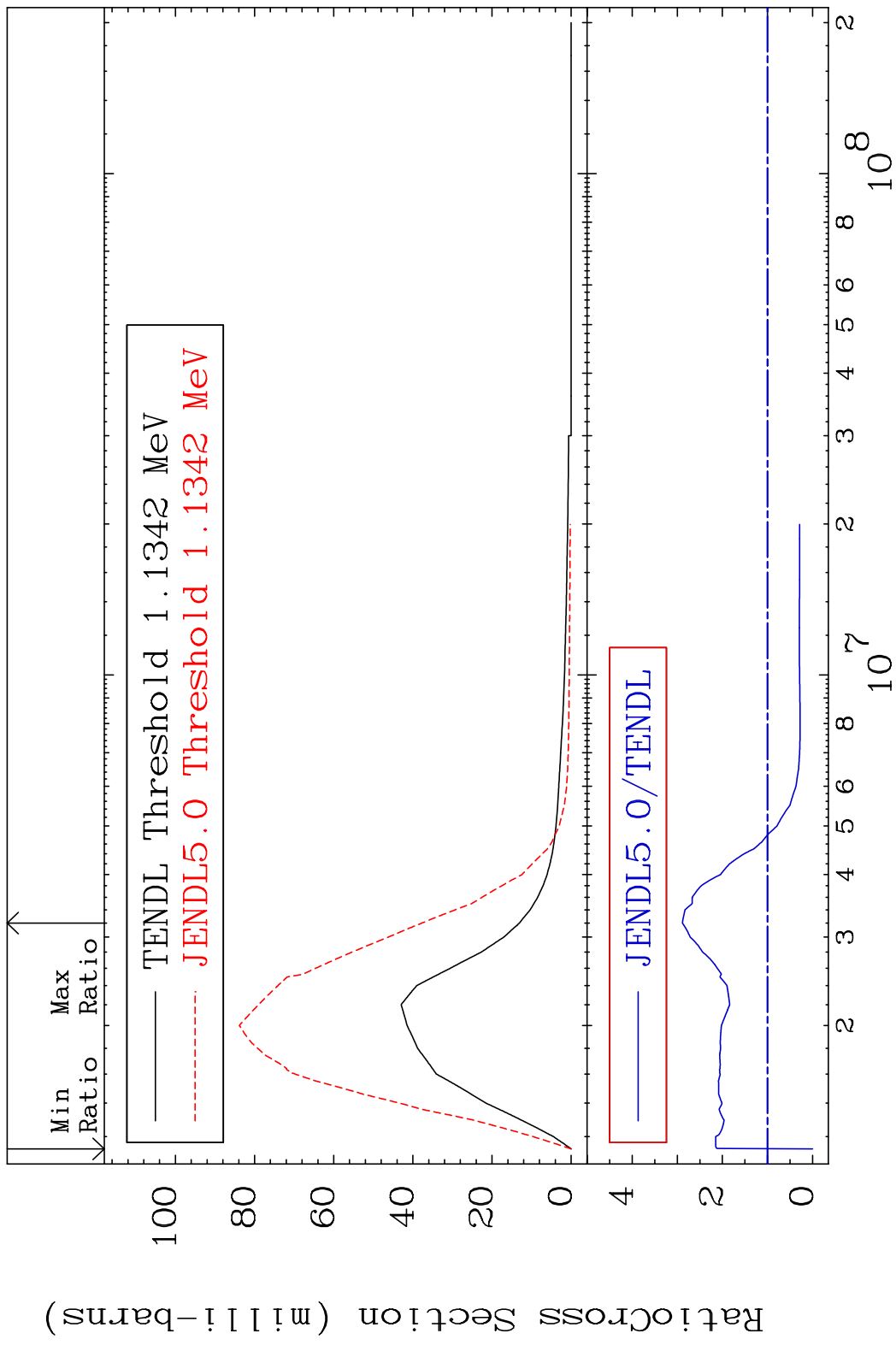
13 Incident Energy (eV) 78-Pt-190

MAT 7825 MT= 55 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9999. %

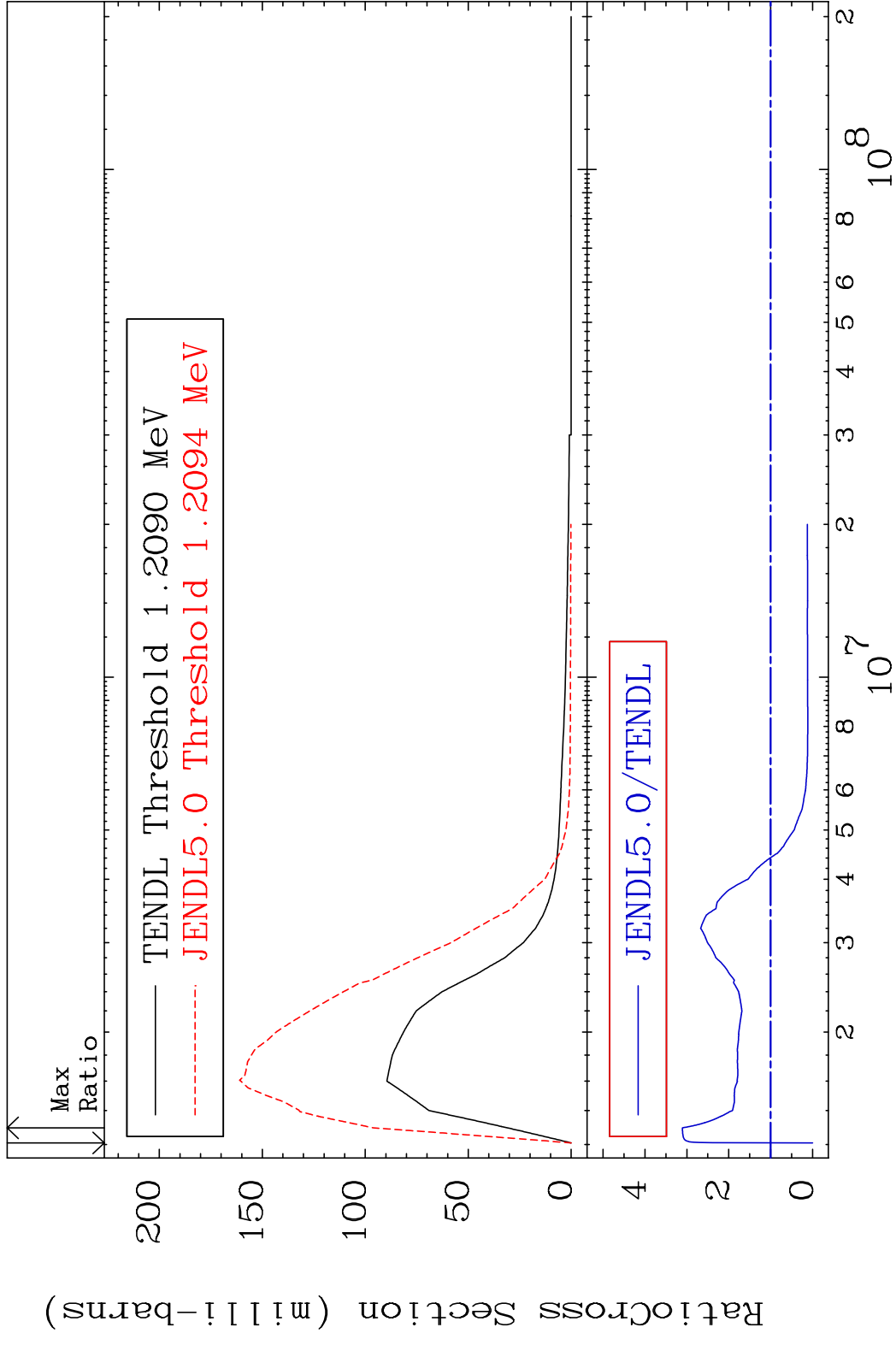


14 Incident Energy (eV) 78-Pt-190

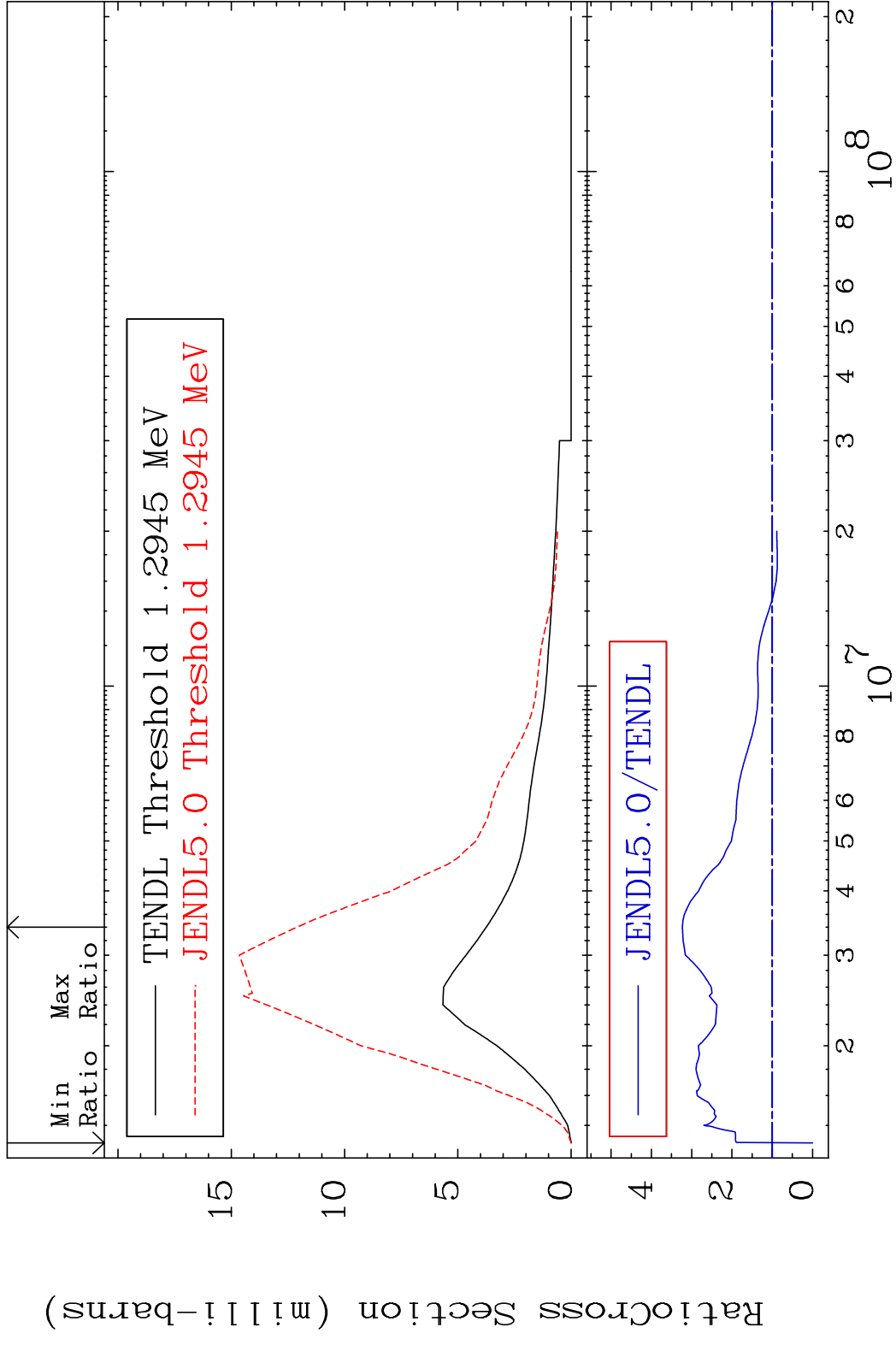
MAT 7825 MT= 56 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 188.9 %



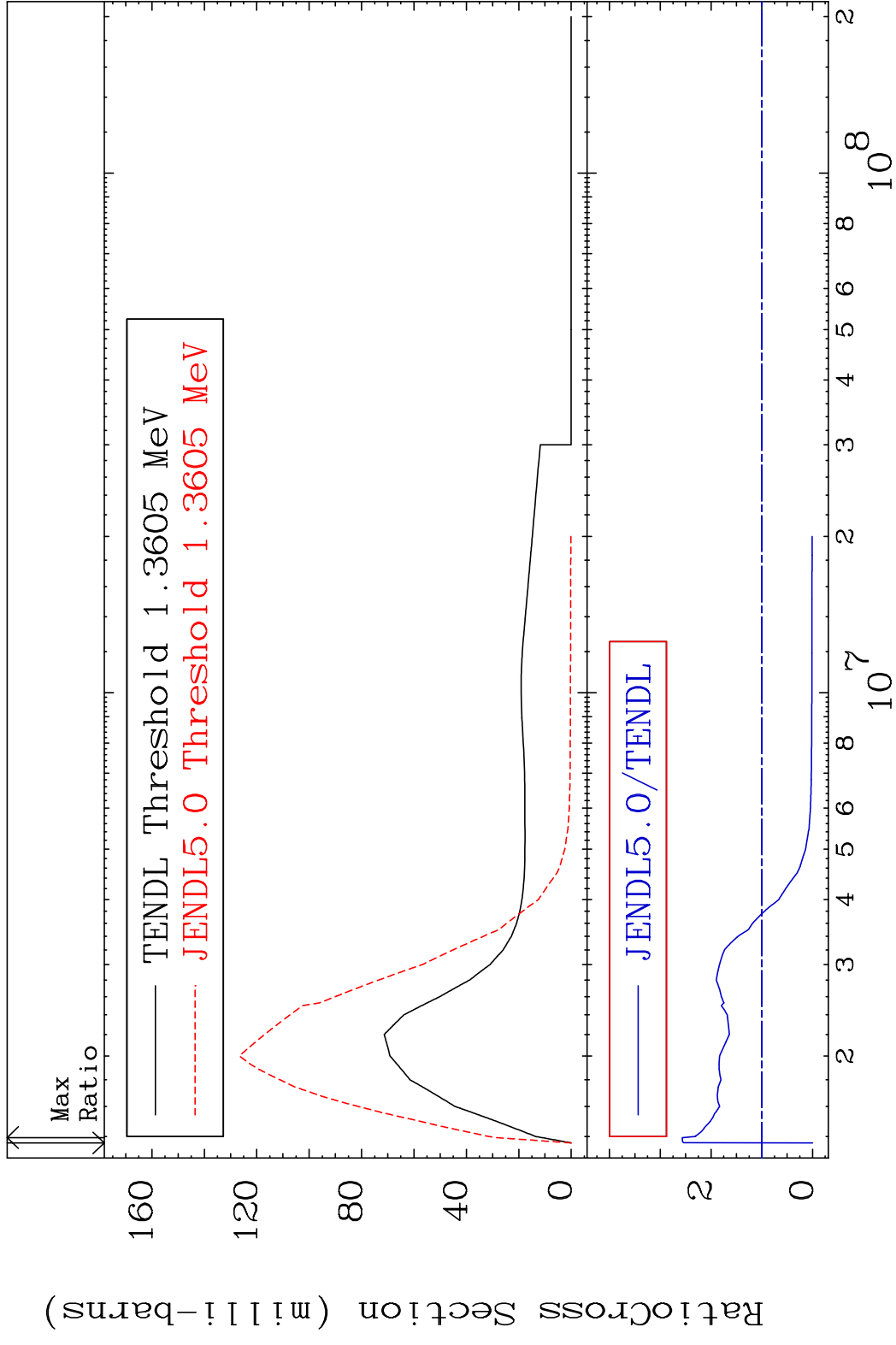
MAT 7825 MT= 57 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 210.7 %



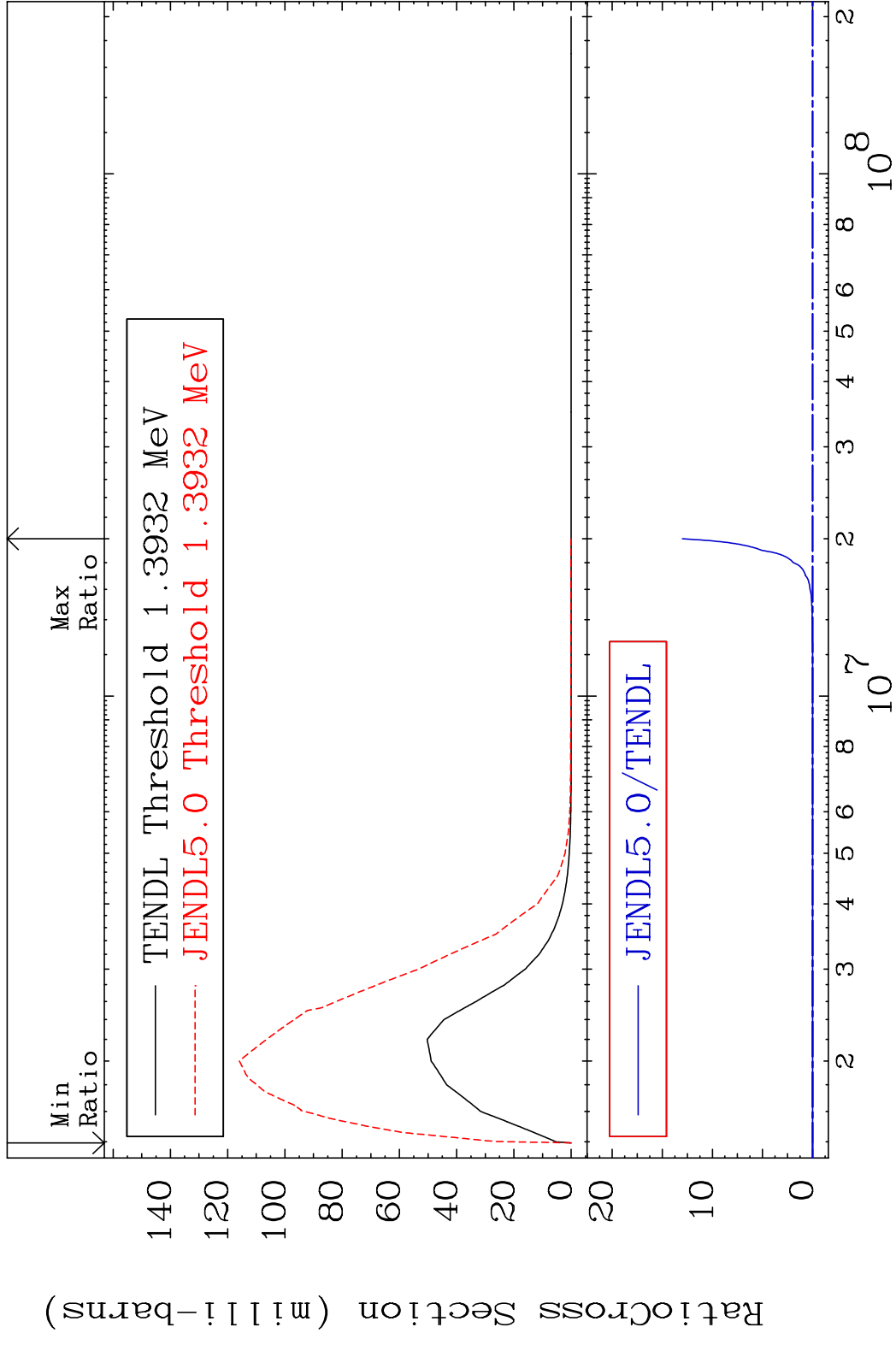
MAT 7825 MT= 58 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 223.2 %



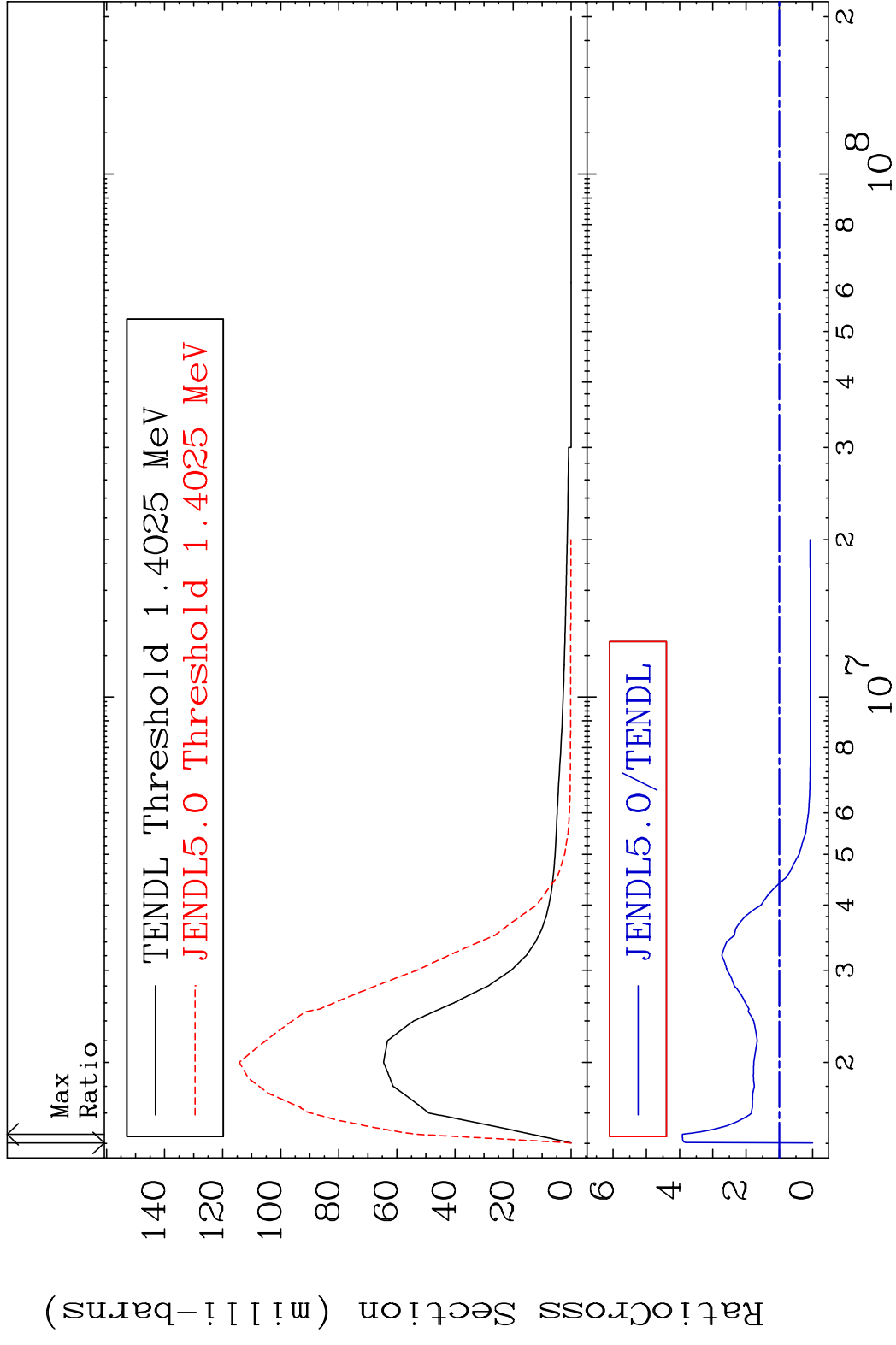
MAT 7825 MT= 59 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 156.5 %



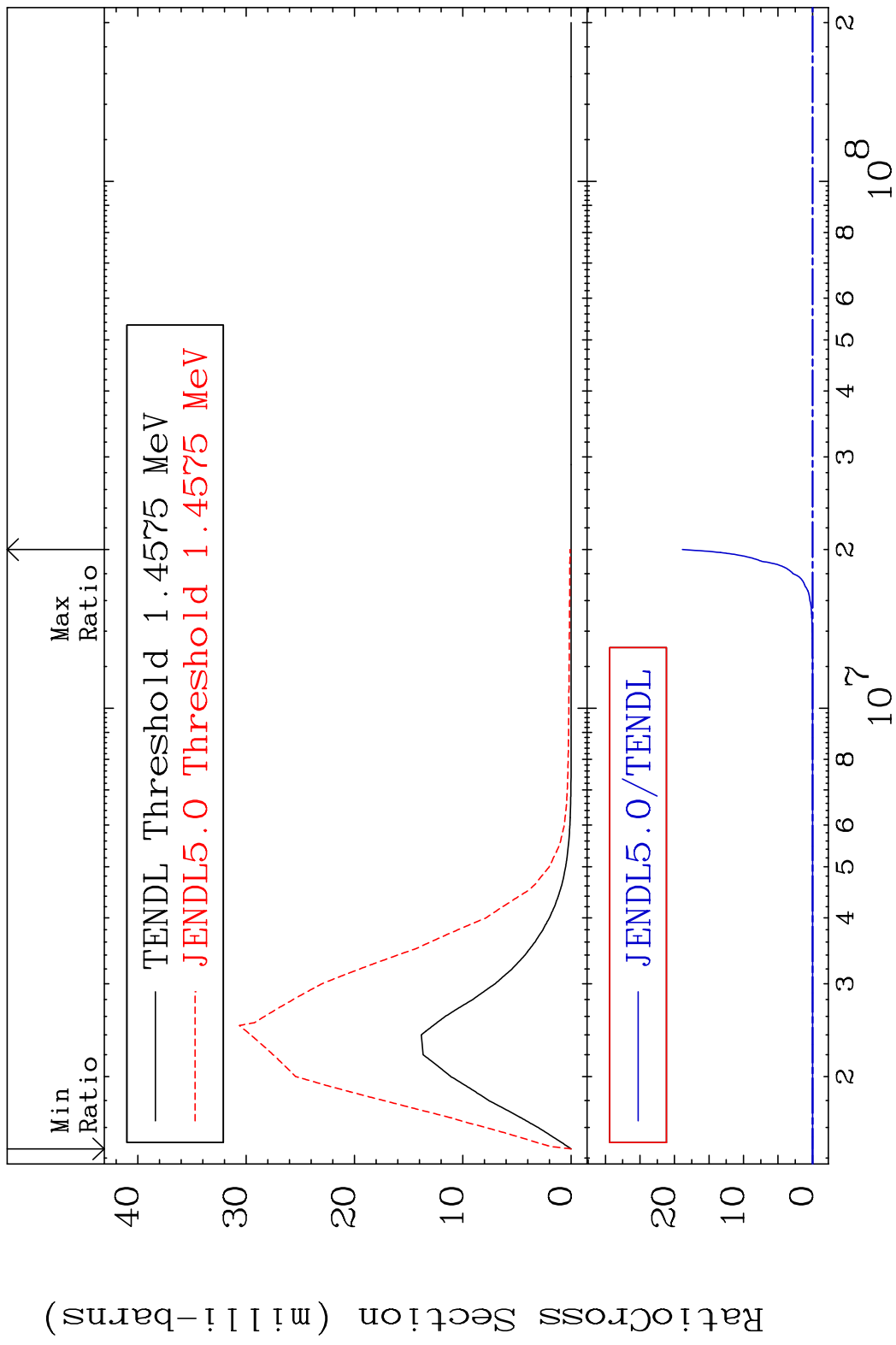
MAT 7825 MT= 60 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9999. %



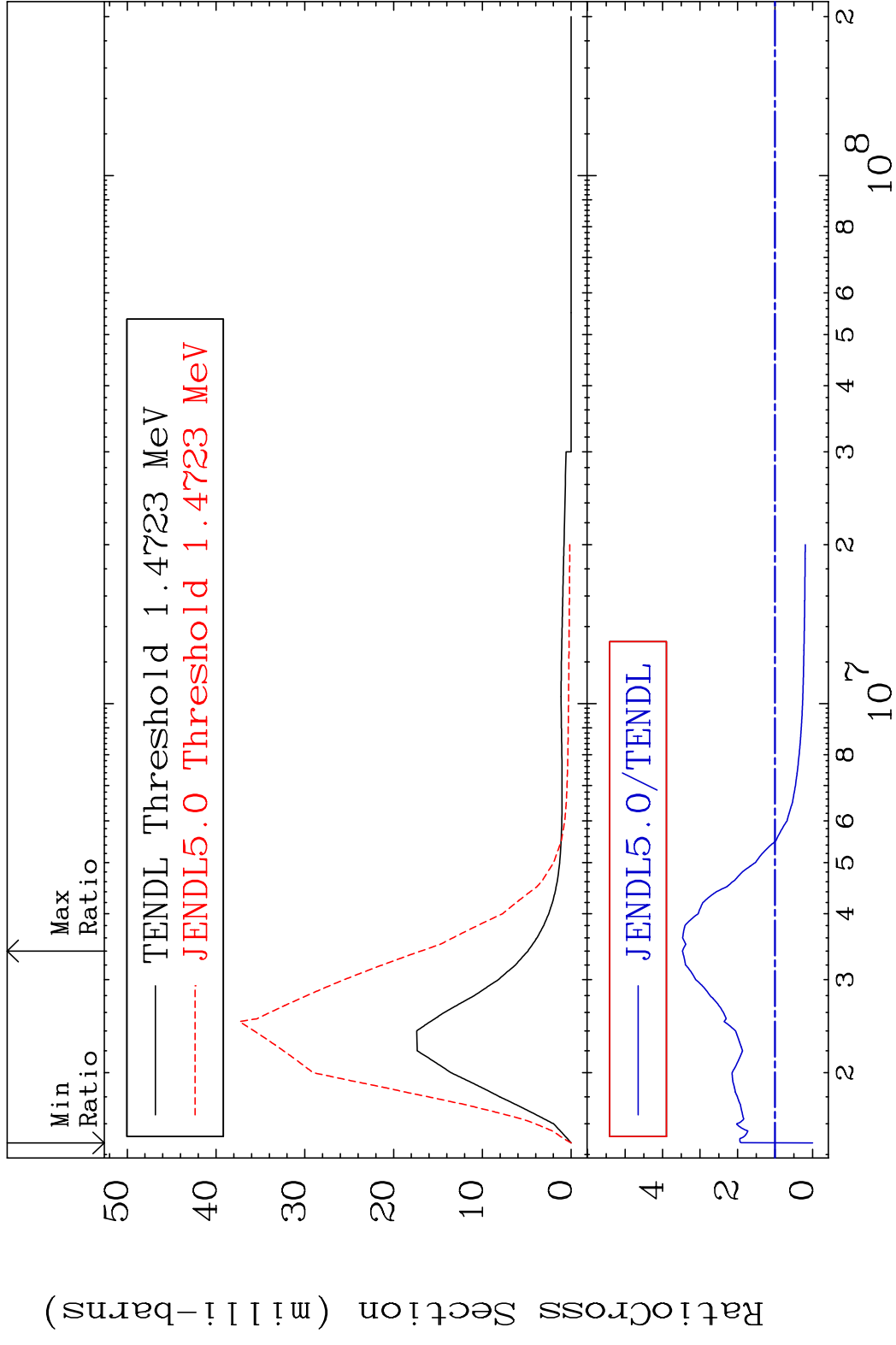
MAT 7825 MT= 61 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 291.6 %



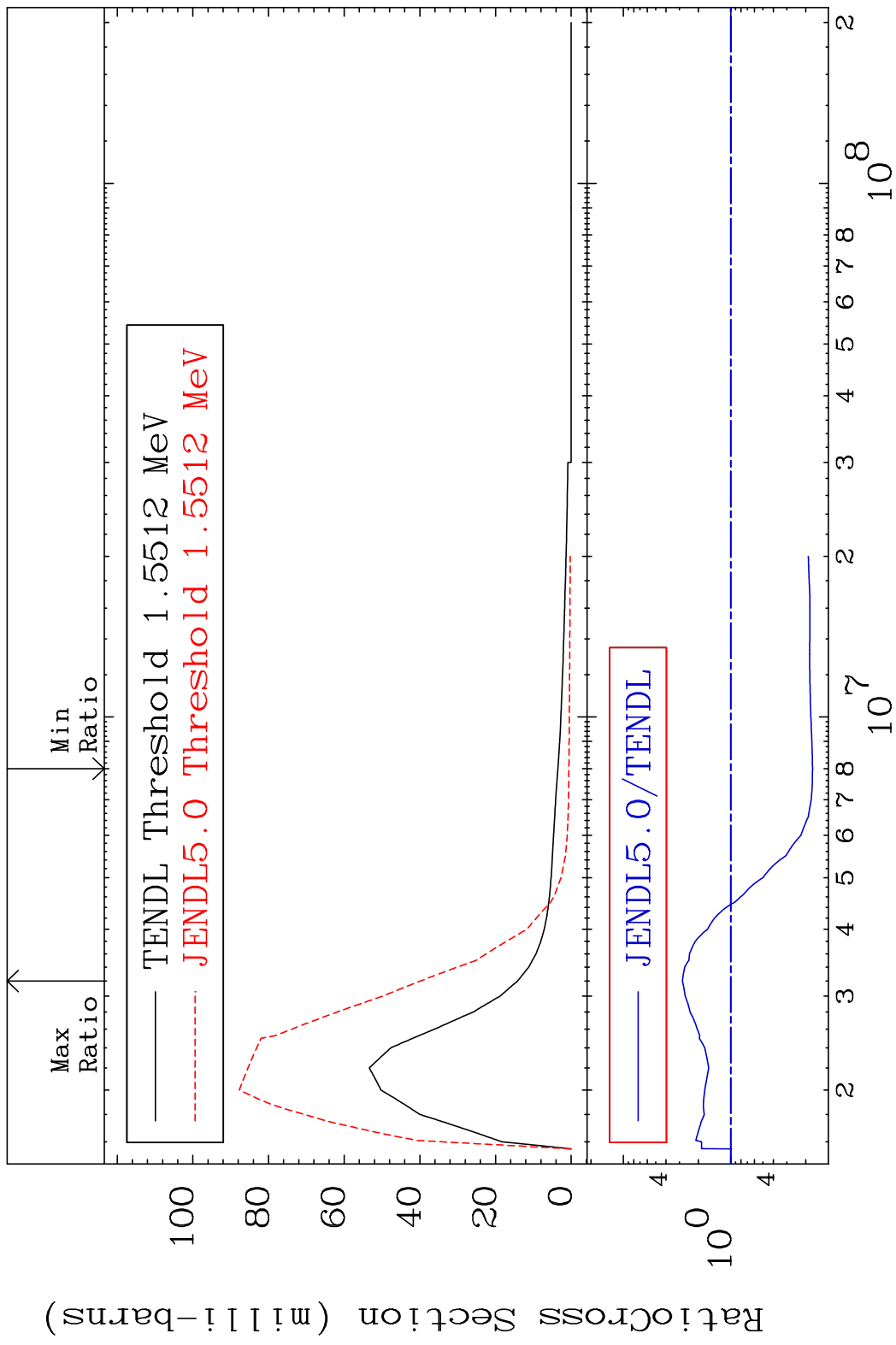
MAT 7825 MT= 62 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9999. %



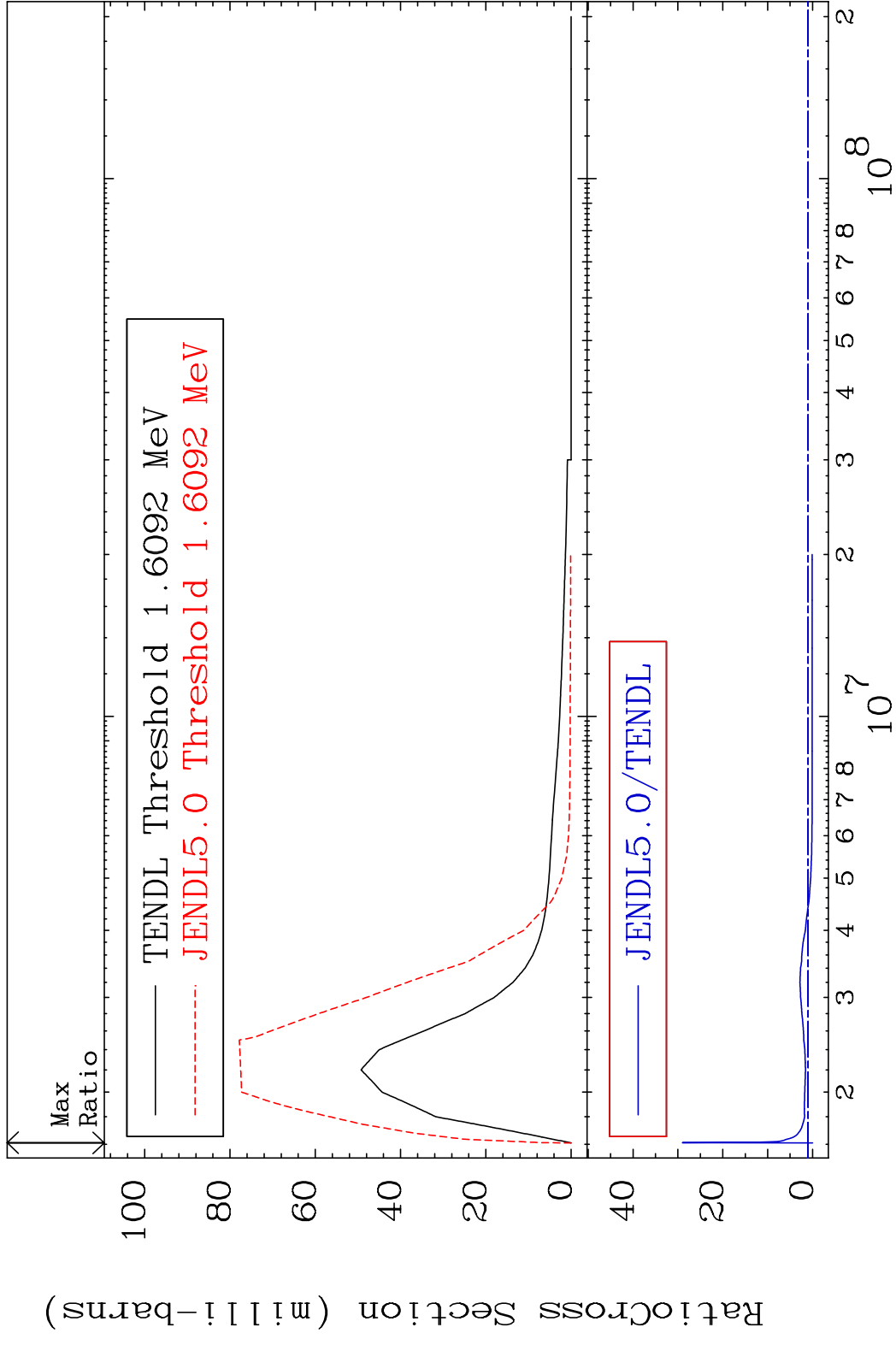
MAT 7825 MT= 63 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 247.2 %



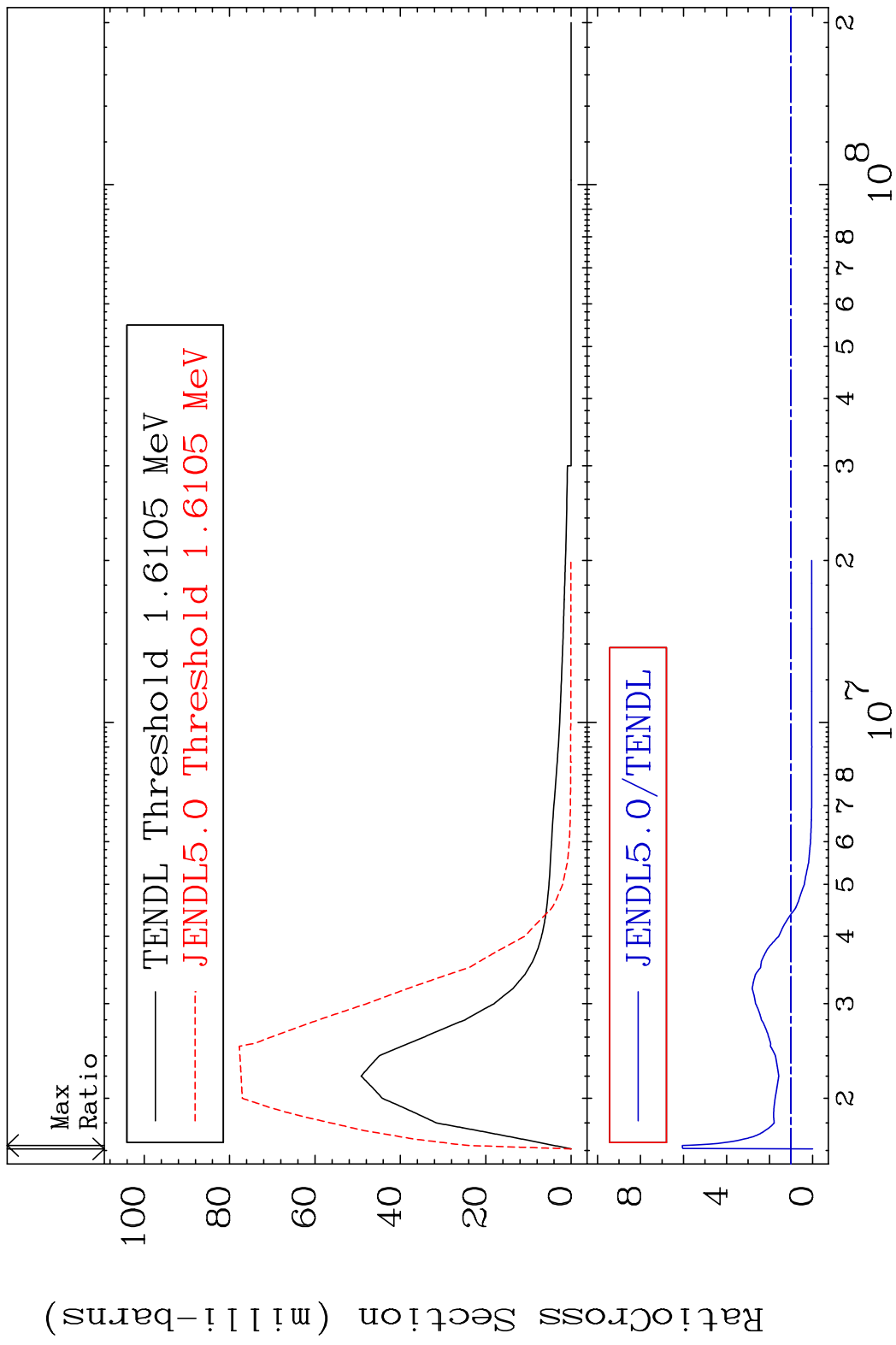
MAT 7825 MT= 64 (n, n') Level 78-Pt-190
 Cross Section -82.74 To 182.0 %



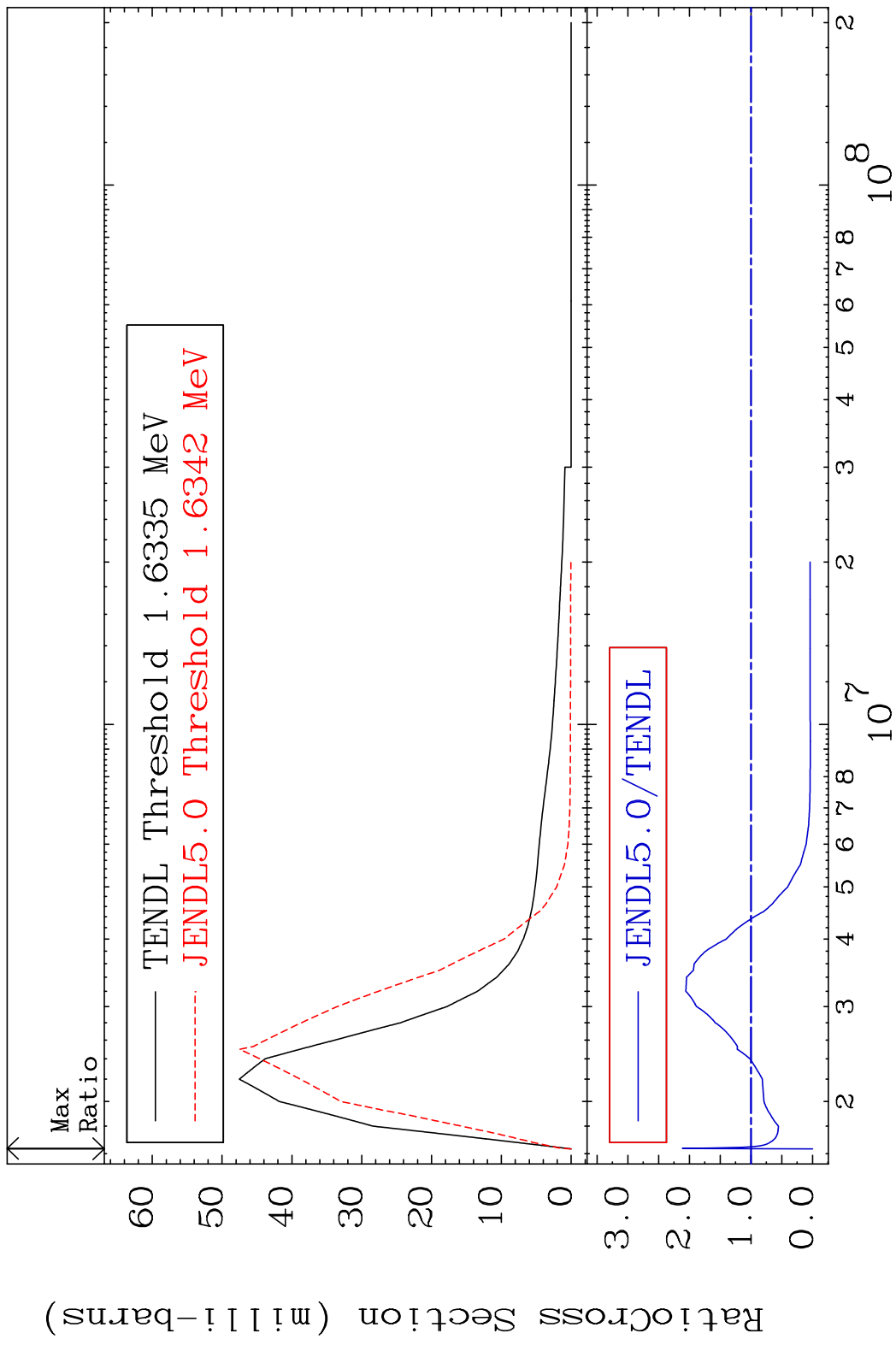
MAT 7825 MT= 65 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 2802. %



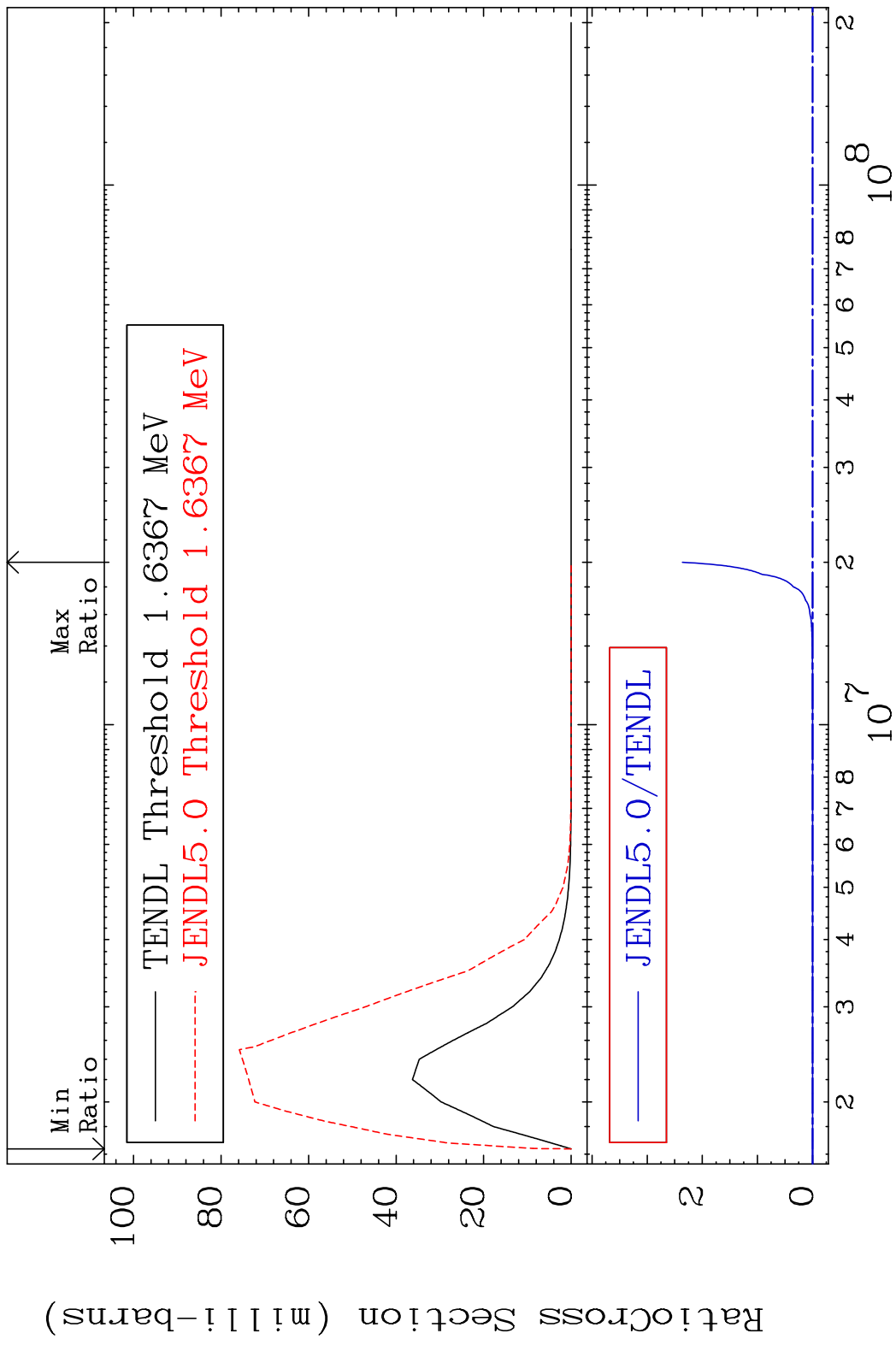
MAT 7825 MT= 66 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 505.4 %



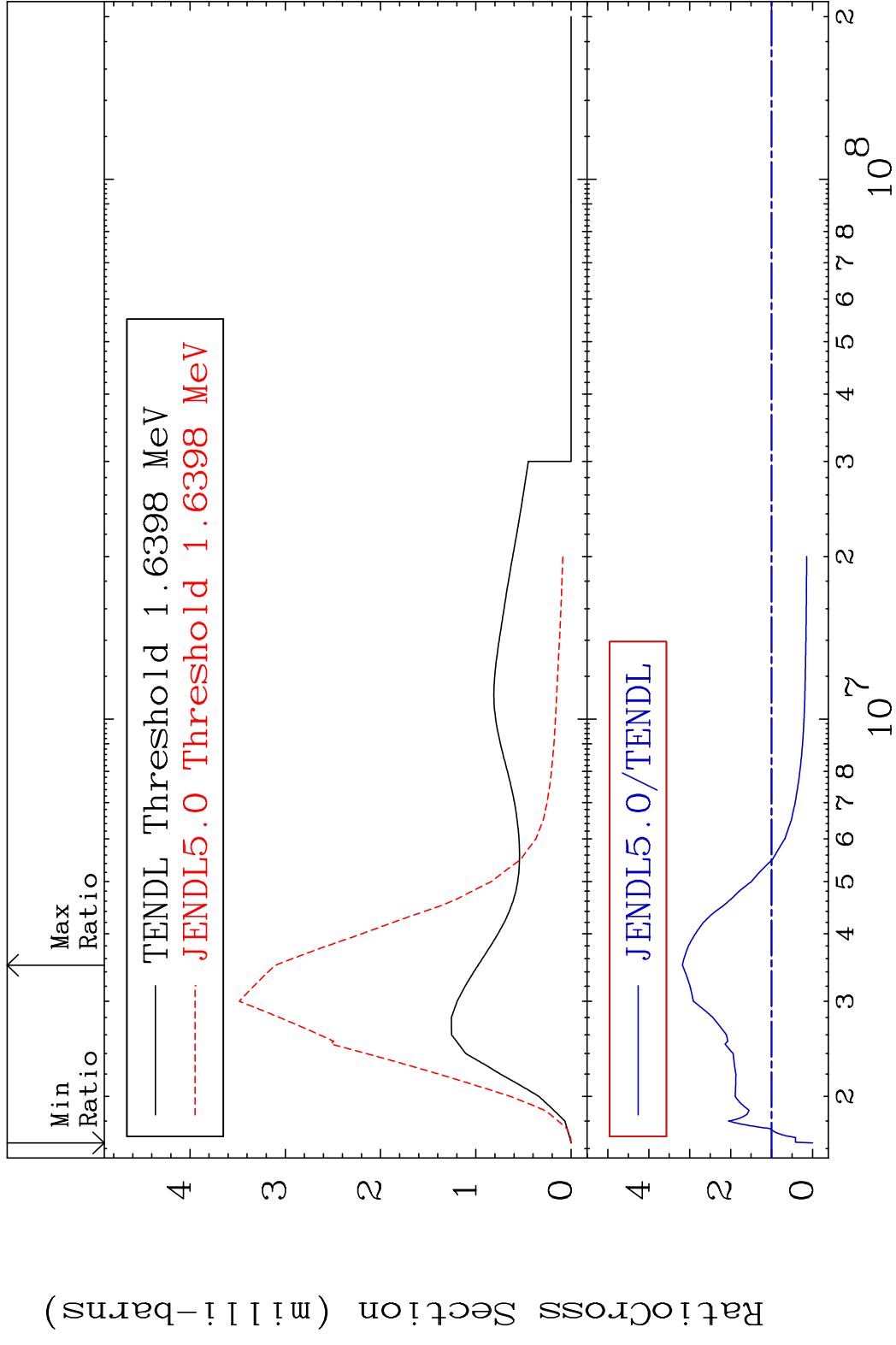
MAT 7825 MT= 67 (n,n') Level 78-Pt-190
 Cross Section -100.0 To 111.5 %



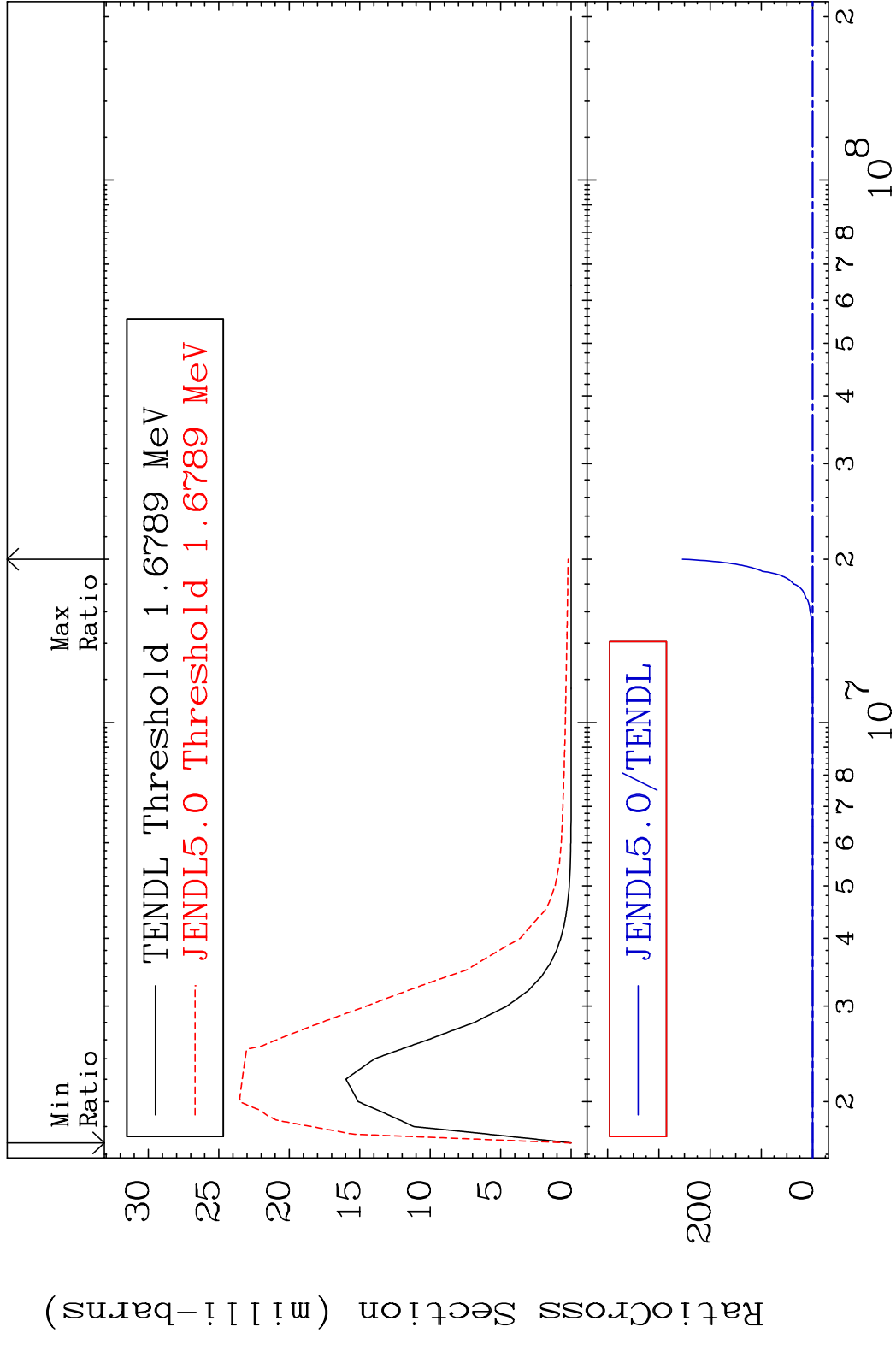
MAT 7825 MT= 68 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9999. %



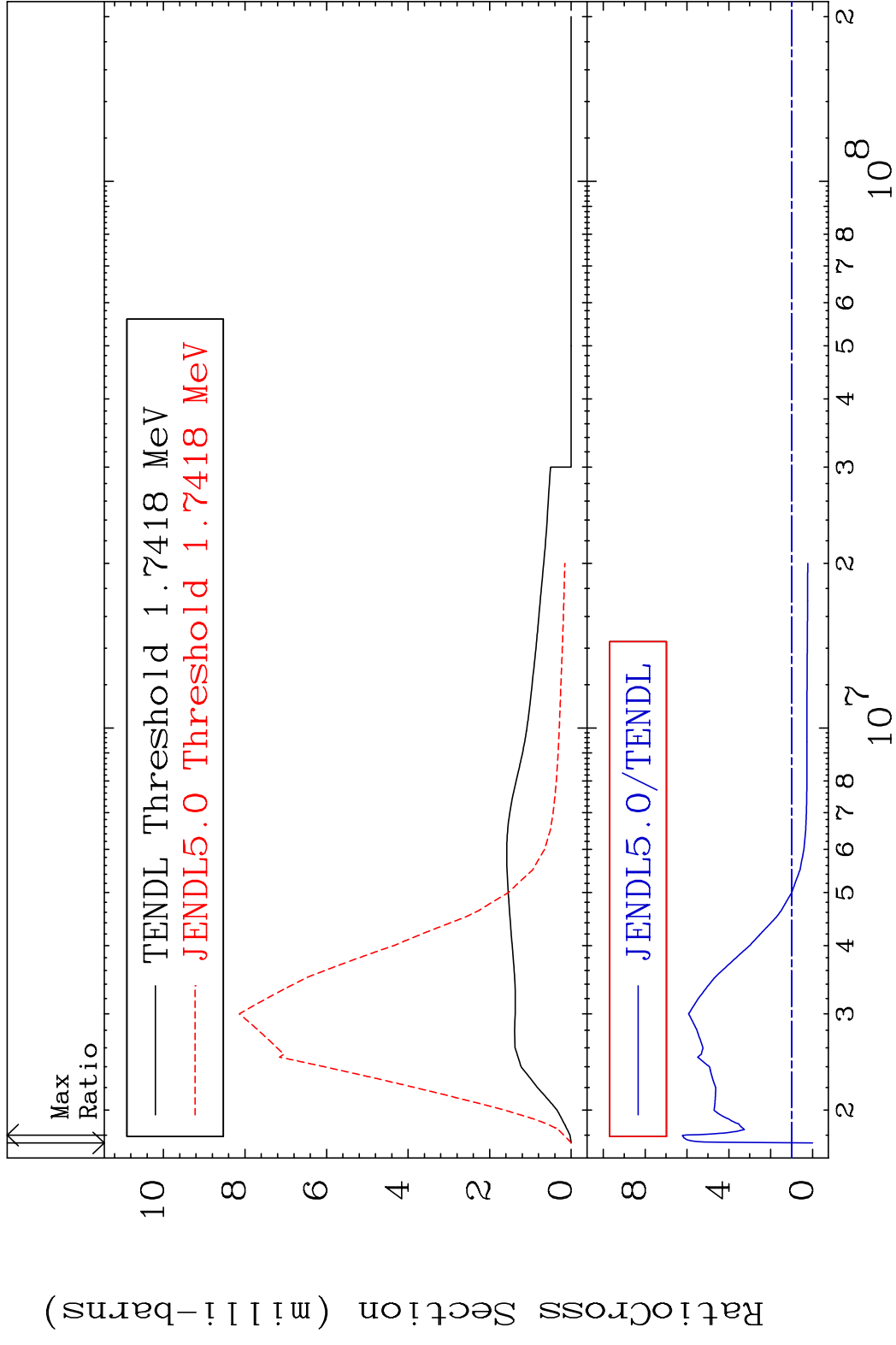
MAT 7825 MT= 69 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 218.0 %



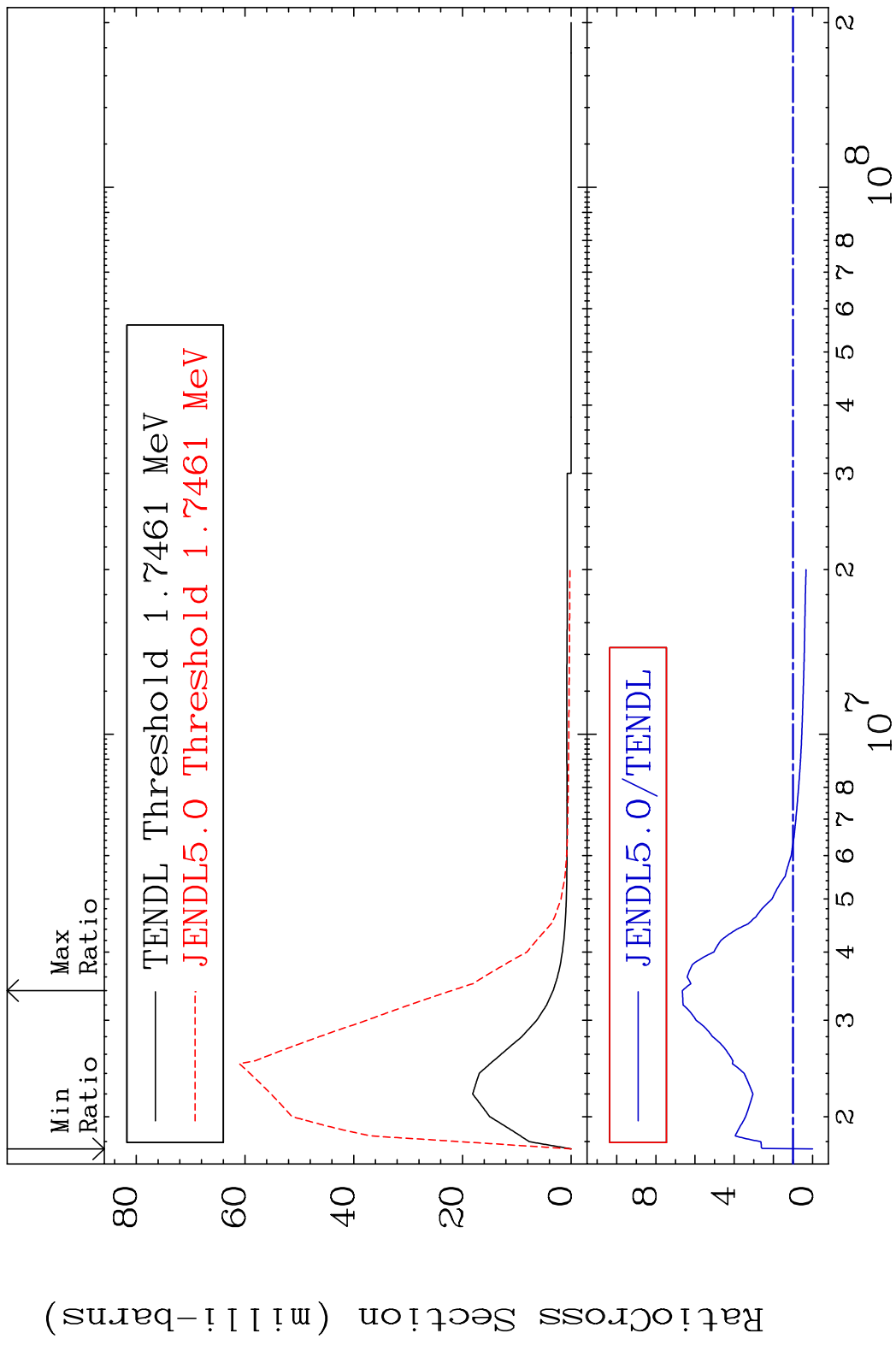
MAT 7825 MT= 70 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9999. %



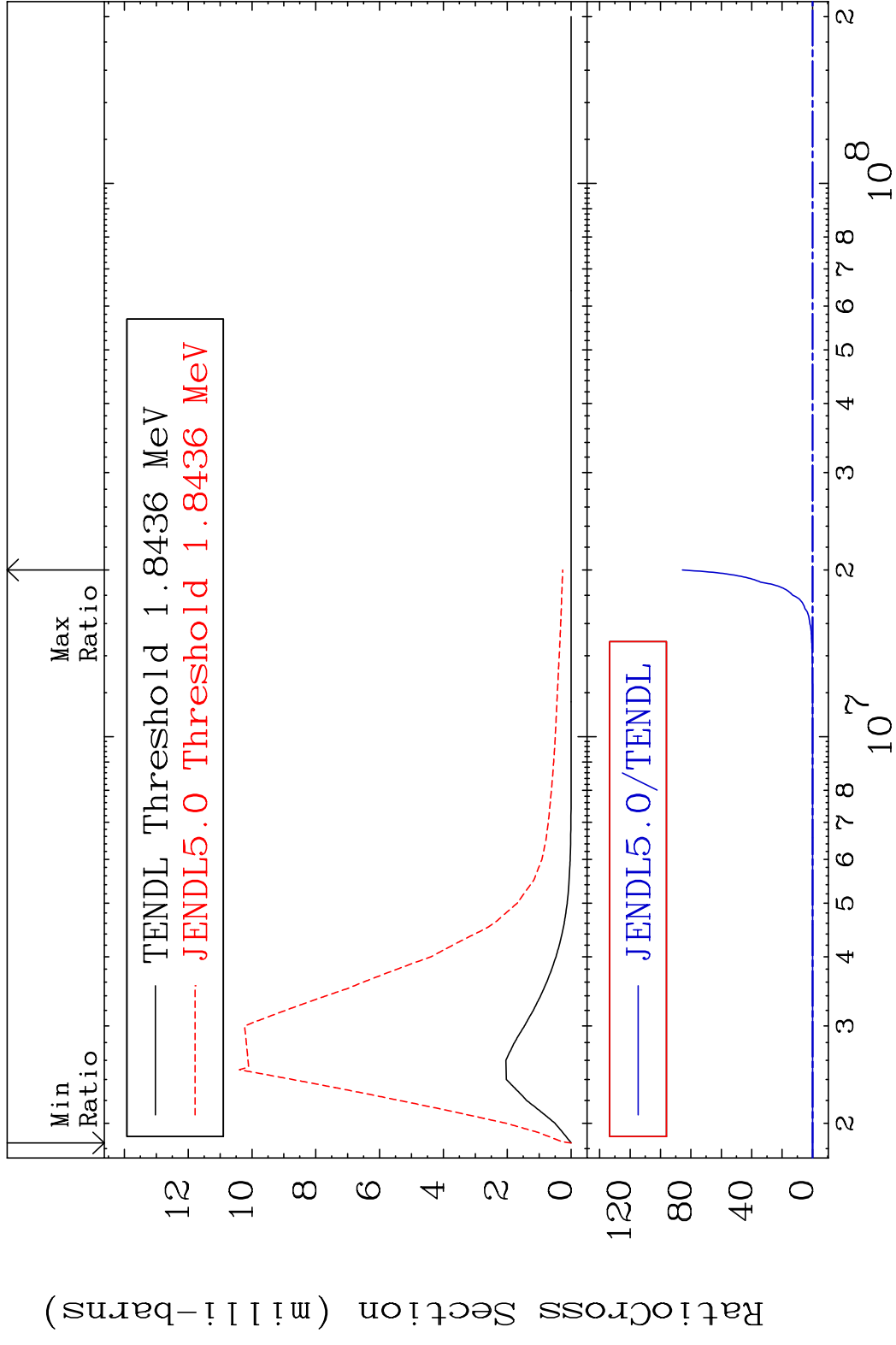
MAT 7825 MT= 71 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 522.2 %



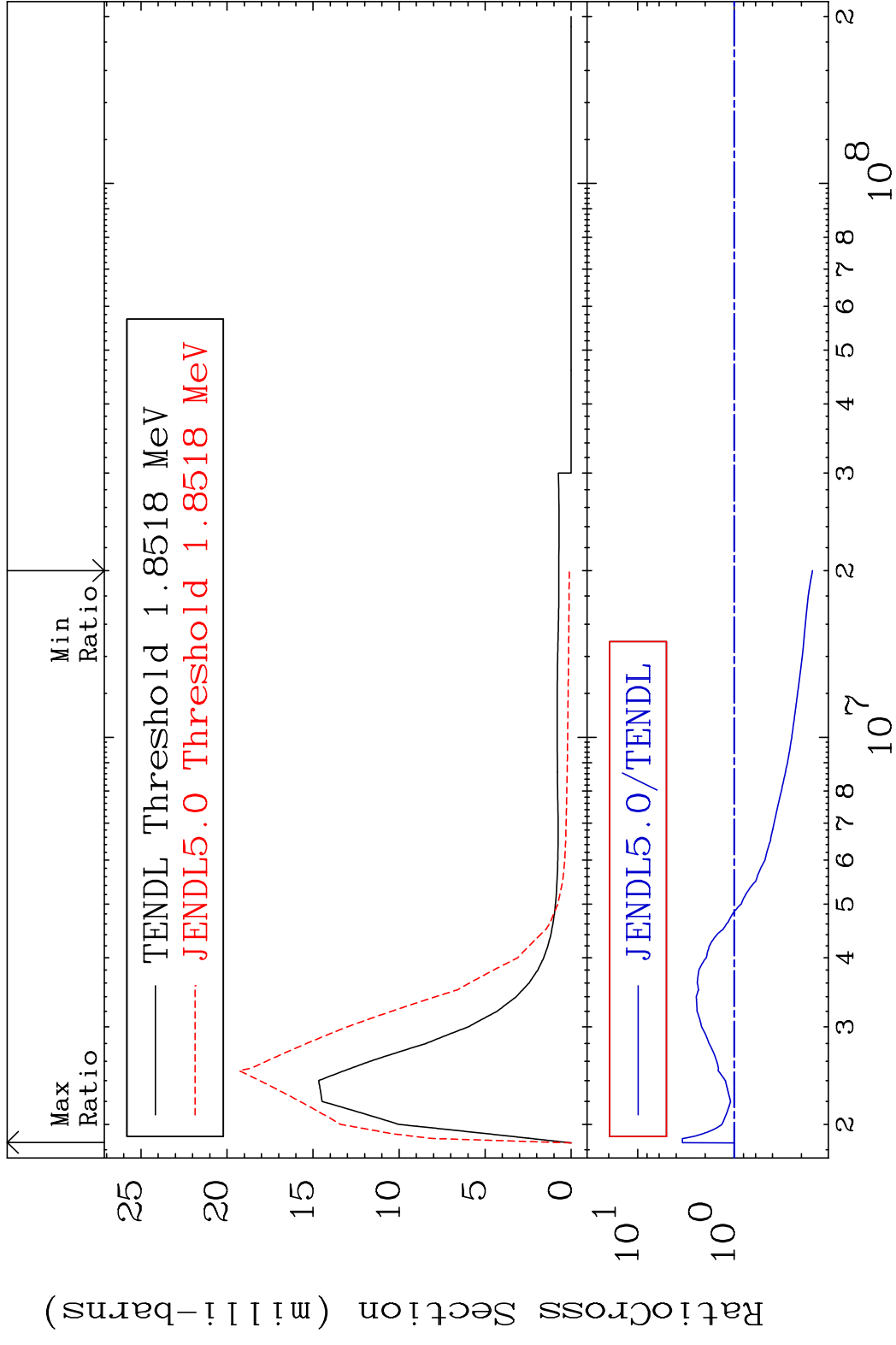
MAT 7825 MT= 72 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 564.8 %



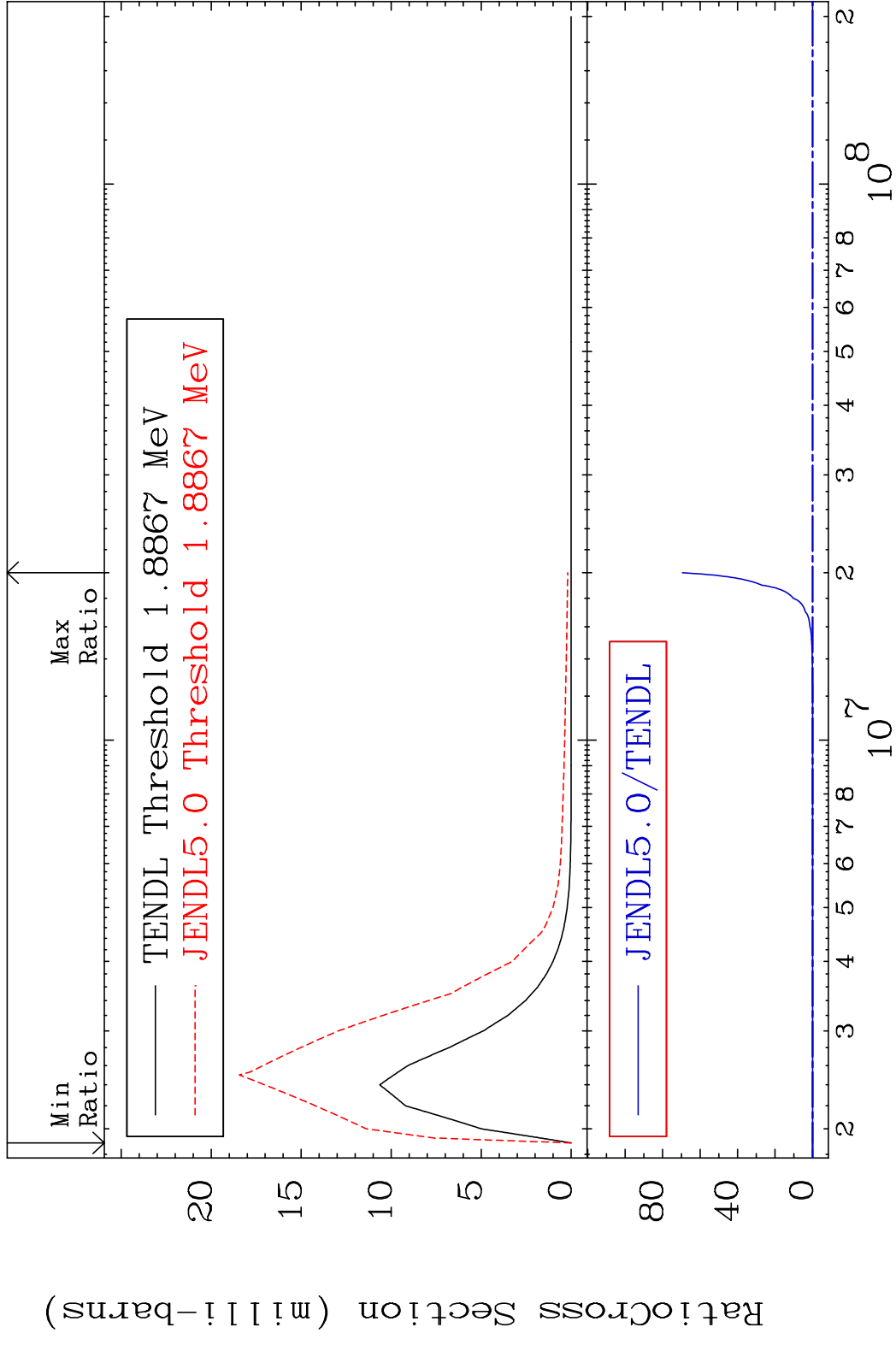
MAT 7825 MT= 73 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9999. %



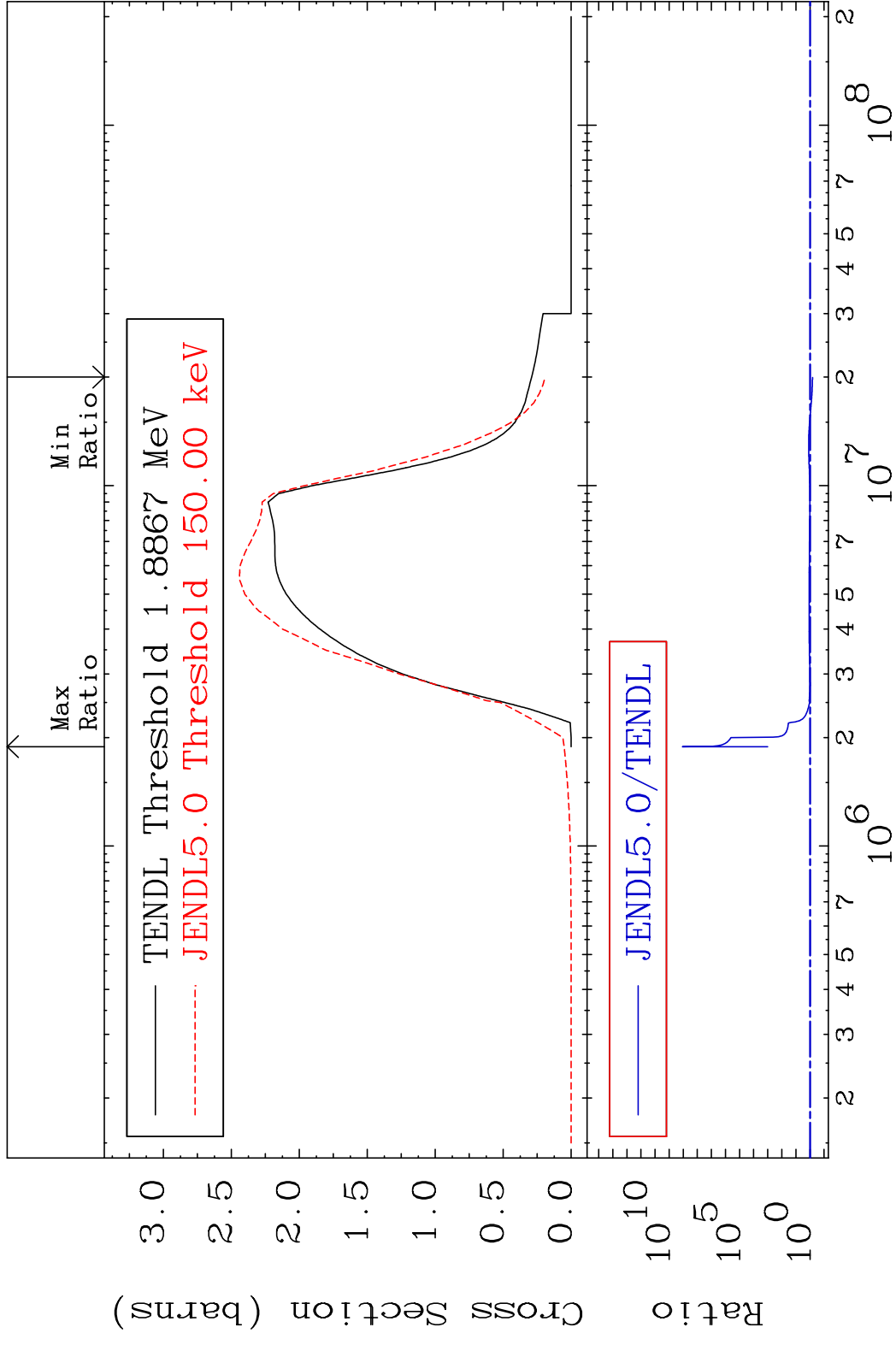
MAT 7825 MT= 74 (n, n') Level 78-Pt-190
 Cross Section -84.65 To 244.7 %



MAT 7825 MT= 75 (n, n') Level 78-Pt-190
 Cross Section -100.0 To 9999. %



MAT 7825 (n,n') Continuum 78-Pt-190
 Cross Section -34.15 To 9999. %

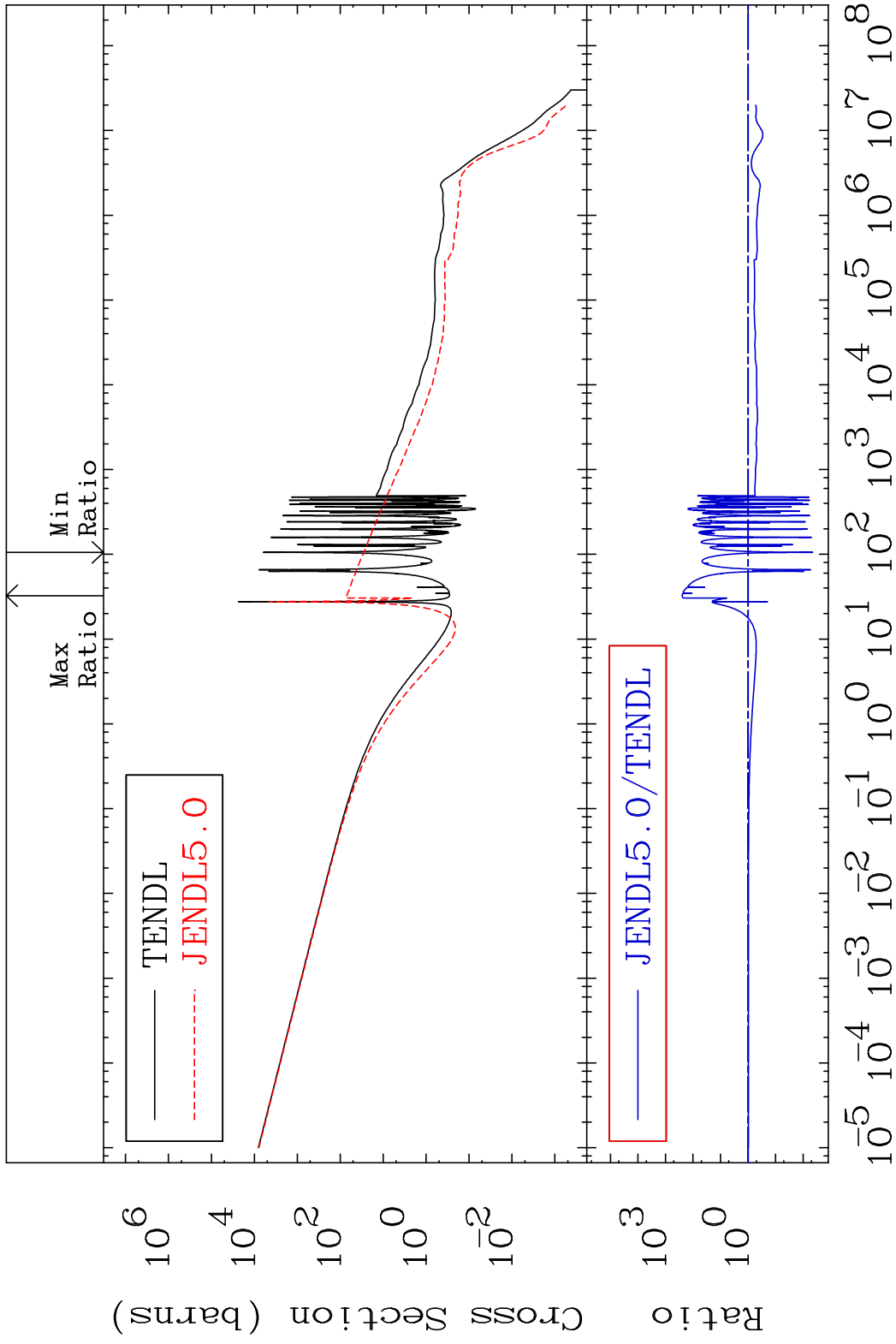


MAT 7825

(n, γ)

78-Pt-190

Cross Section -99.54 To 9999. %



36

Incident Energy (eV)

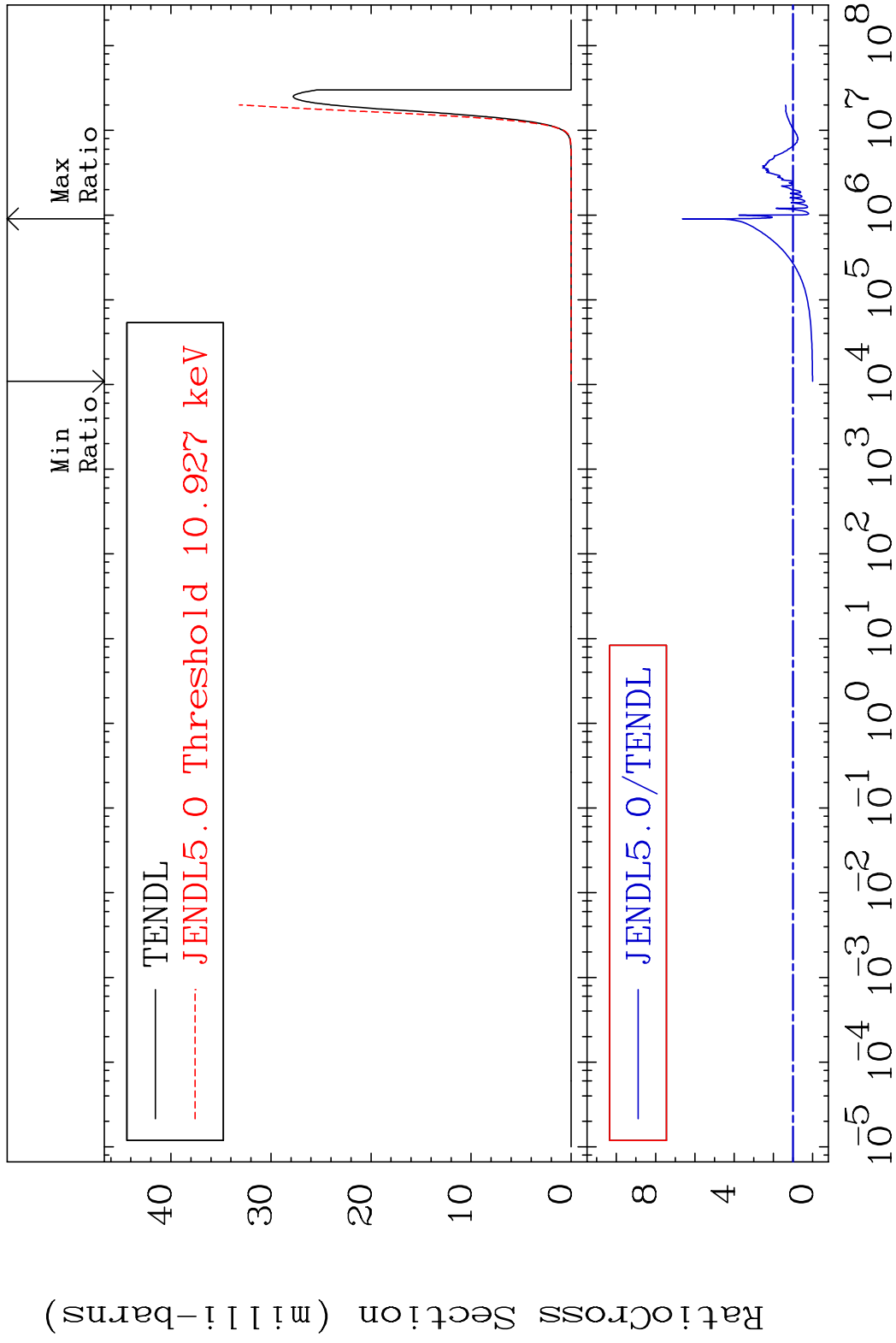
78-Pt-190

MAT 7825

(n, p)

78-Pt-190

Cross Section -100.0 To 563.6 %

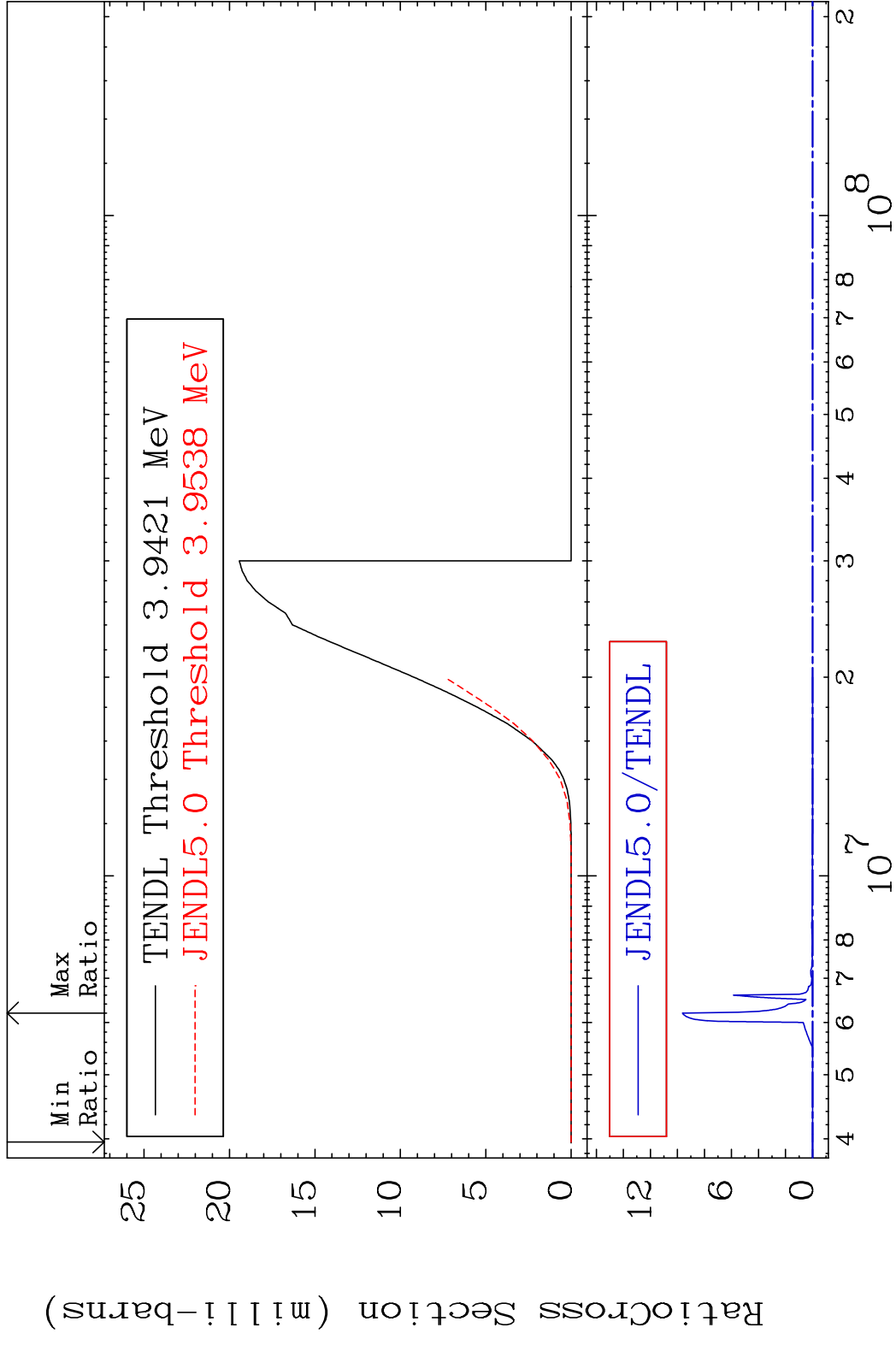


37

Incident Energy (eV)

78-Pt-190

MAT 7825 (n,d) 78-Pt-190
 Cross Section -100.0 To 9999. %

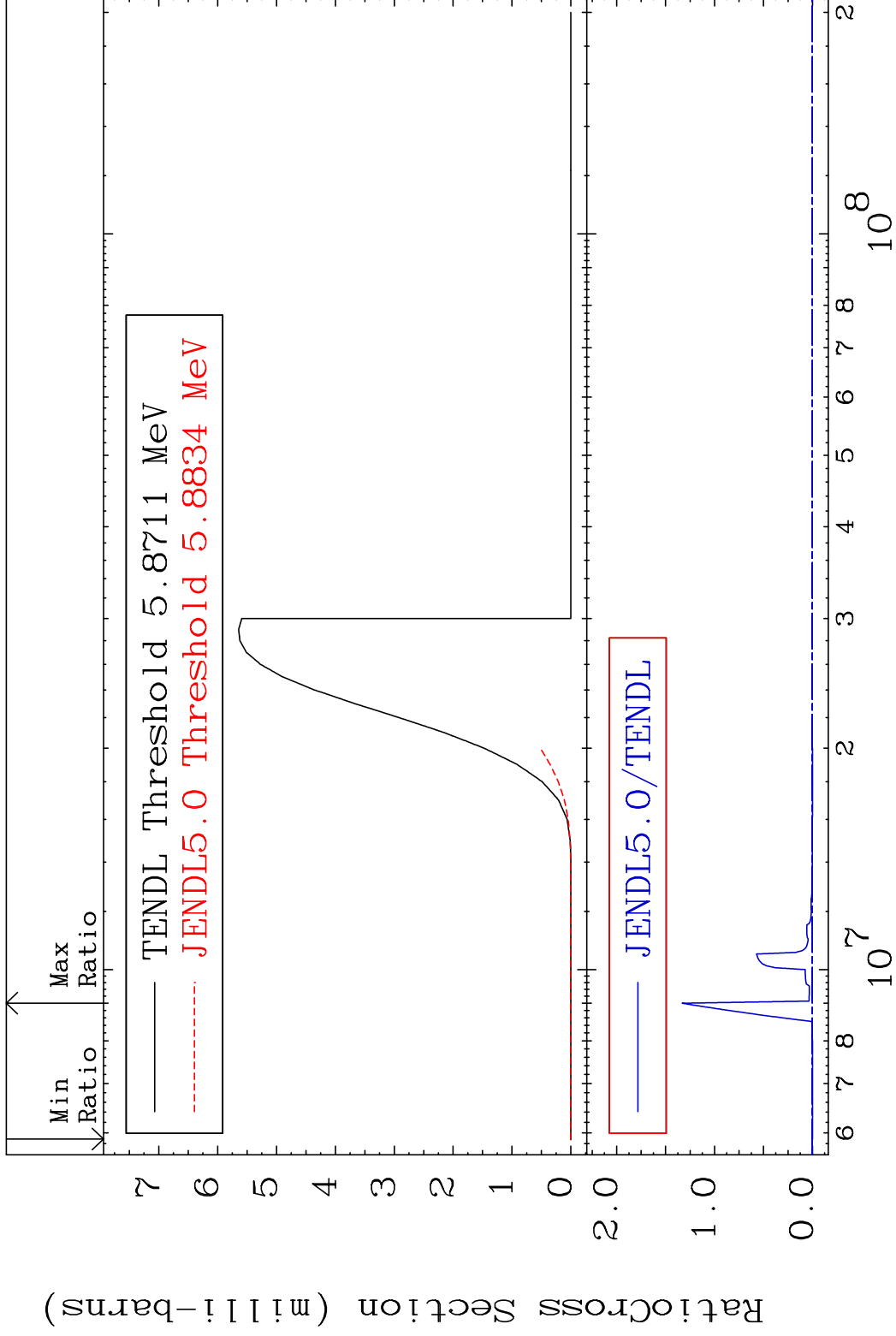


MAT 7825

(n, t)

78-Pt-190

Cross Section -100.0 To 9999. %

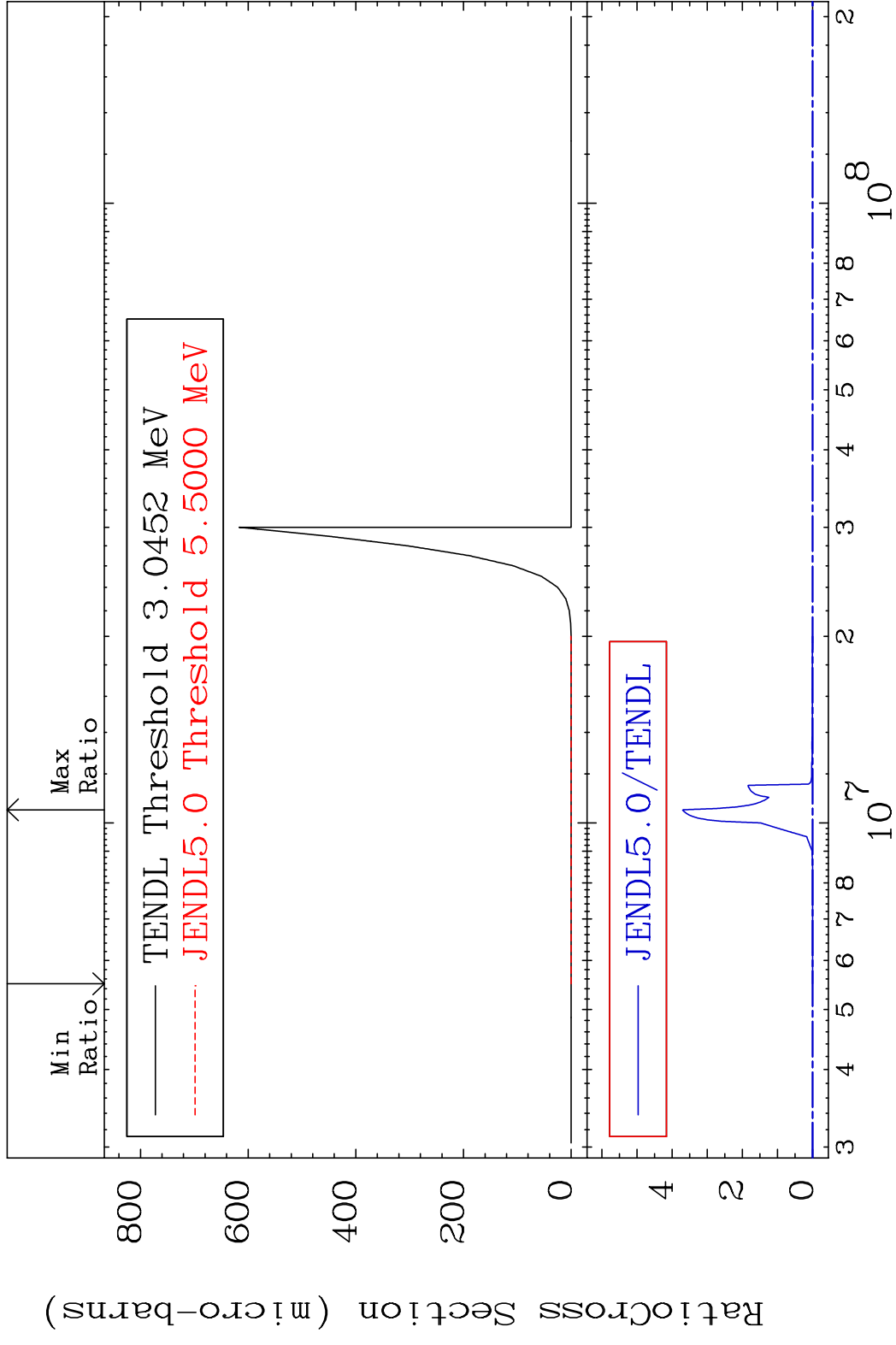


39

Incident Energy (eV)

78-Pt-190

MAT 7825 (n, He-3) 78-Pt-190
 Cross Section -100.0 To 9999. %

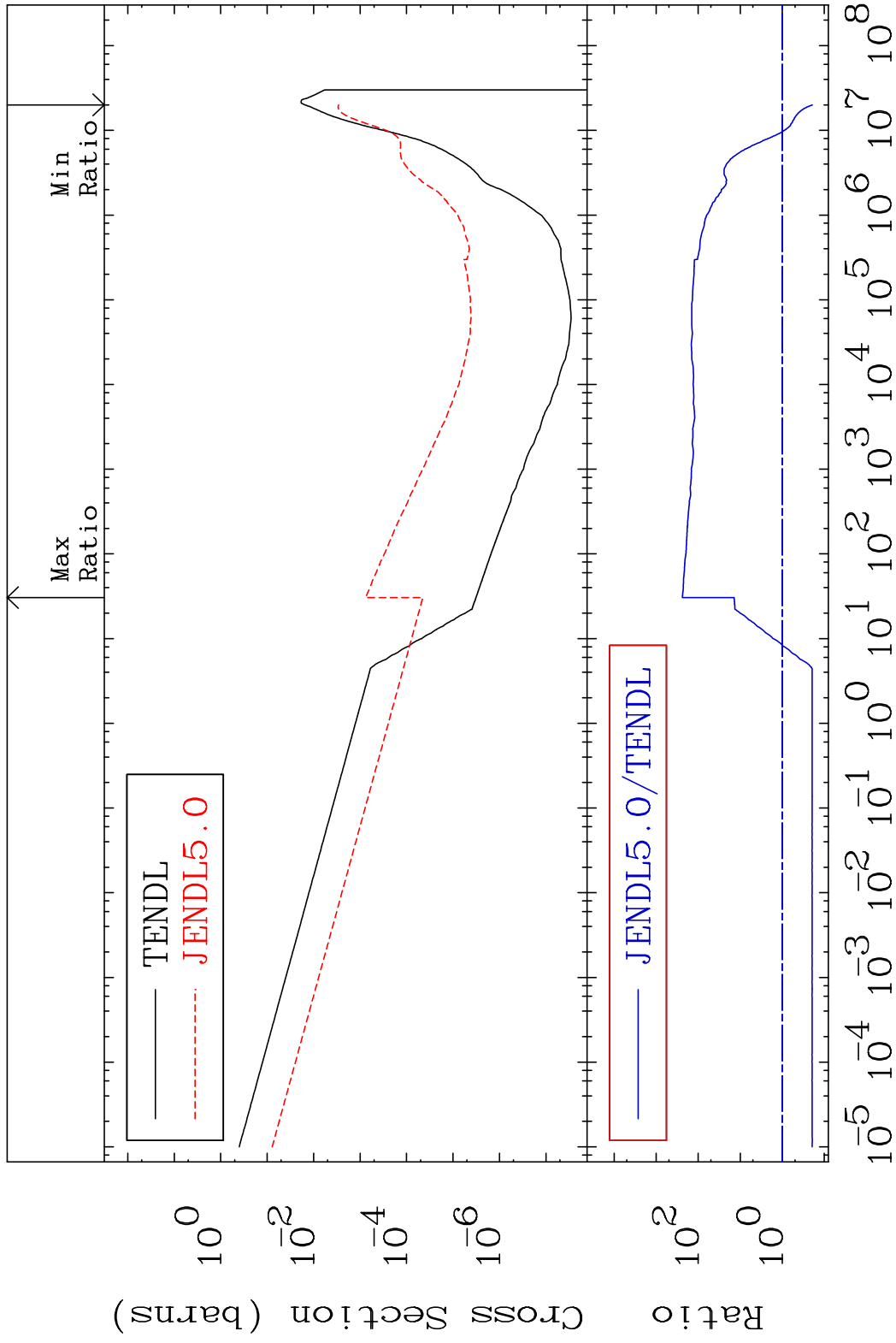


MAT 7825

(n, α)

78-Pt-190

Cross Section -80.93 To 9999. %

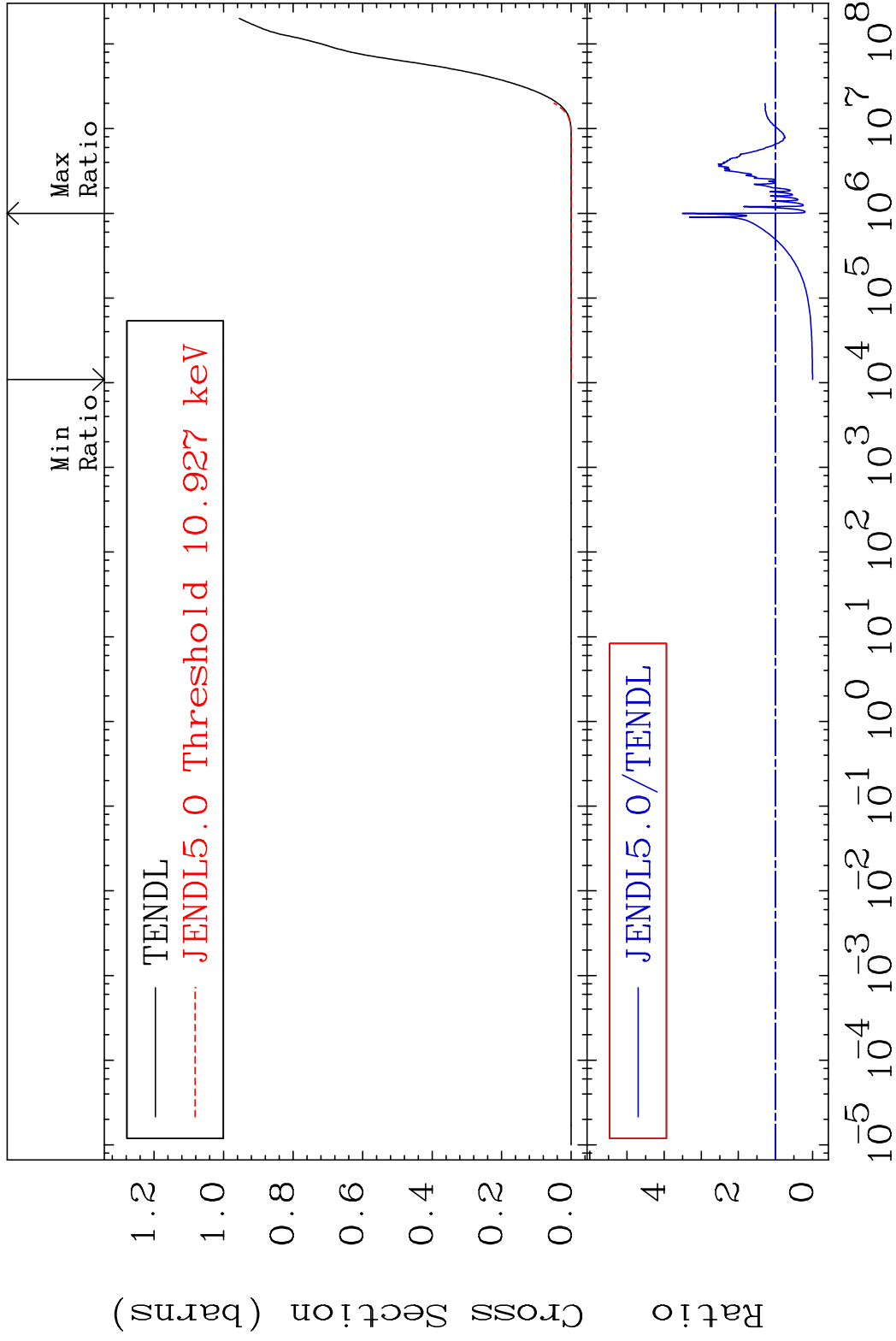


41

Incident Energy (eV)

78-Pt-190

Cross Section -100.0 To 250.9 %

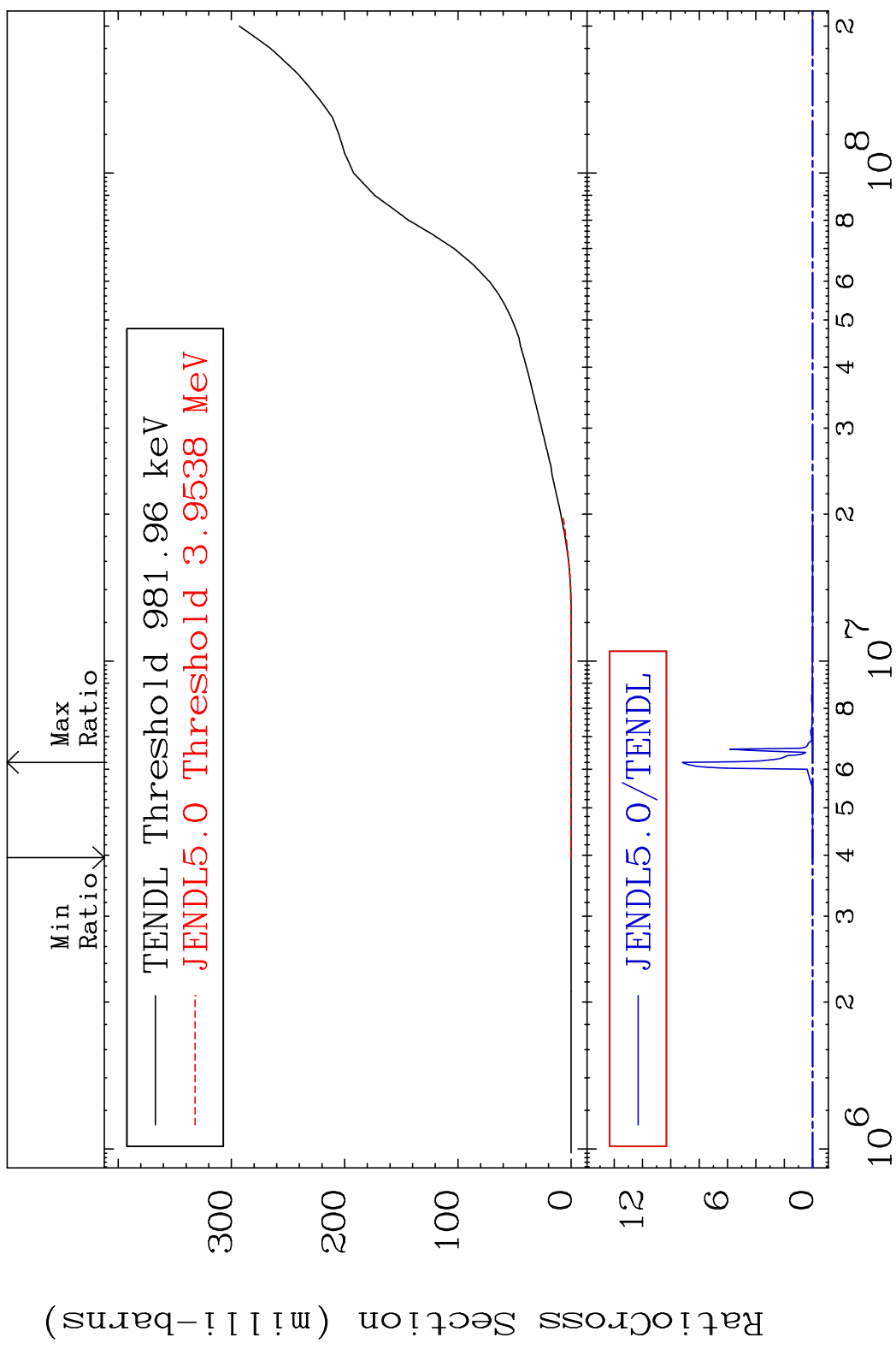


MAT 7825

Deuterium Production

78-Pt-190

Cross Section -100.0 To 9999. %



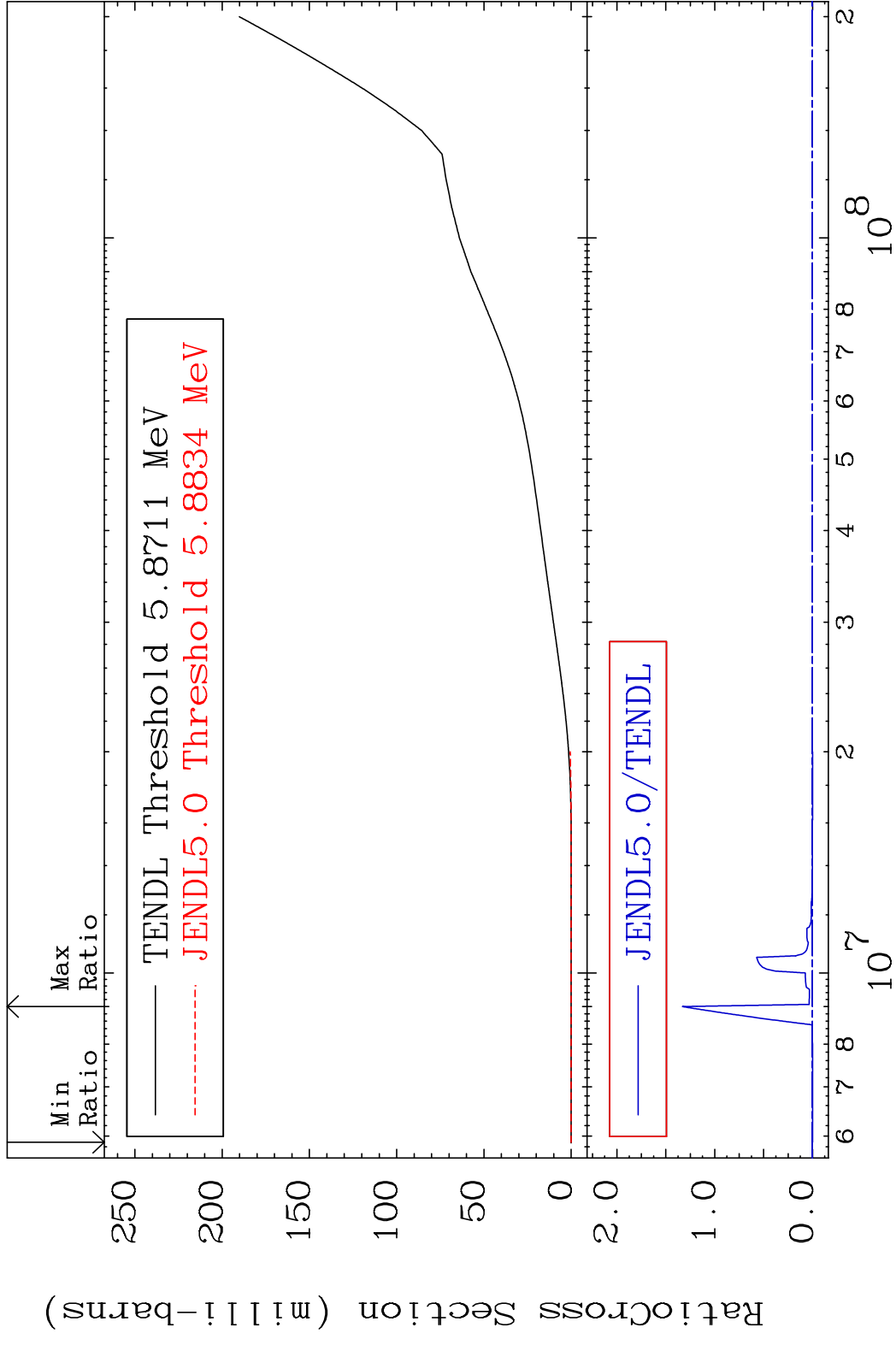
43

Incident Energy (eV)

78-Pt-190

MAT 7825

Tritium Production 78-Pt-190
Cross Section -100.0 To 9999. %

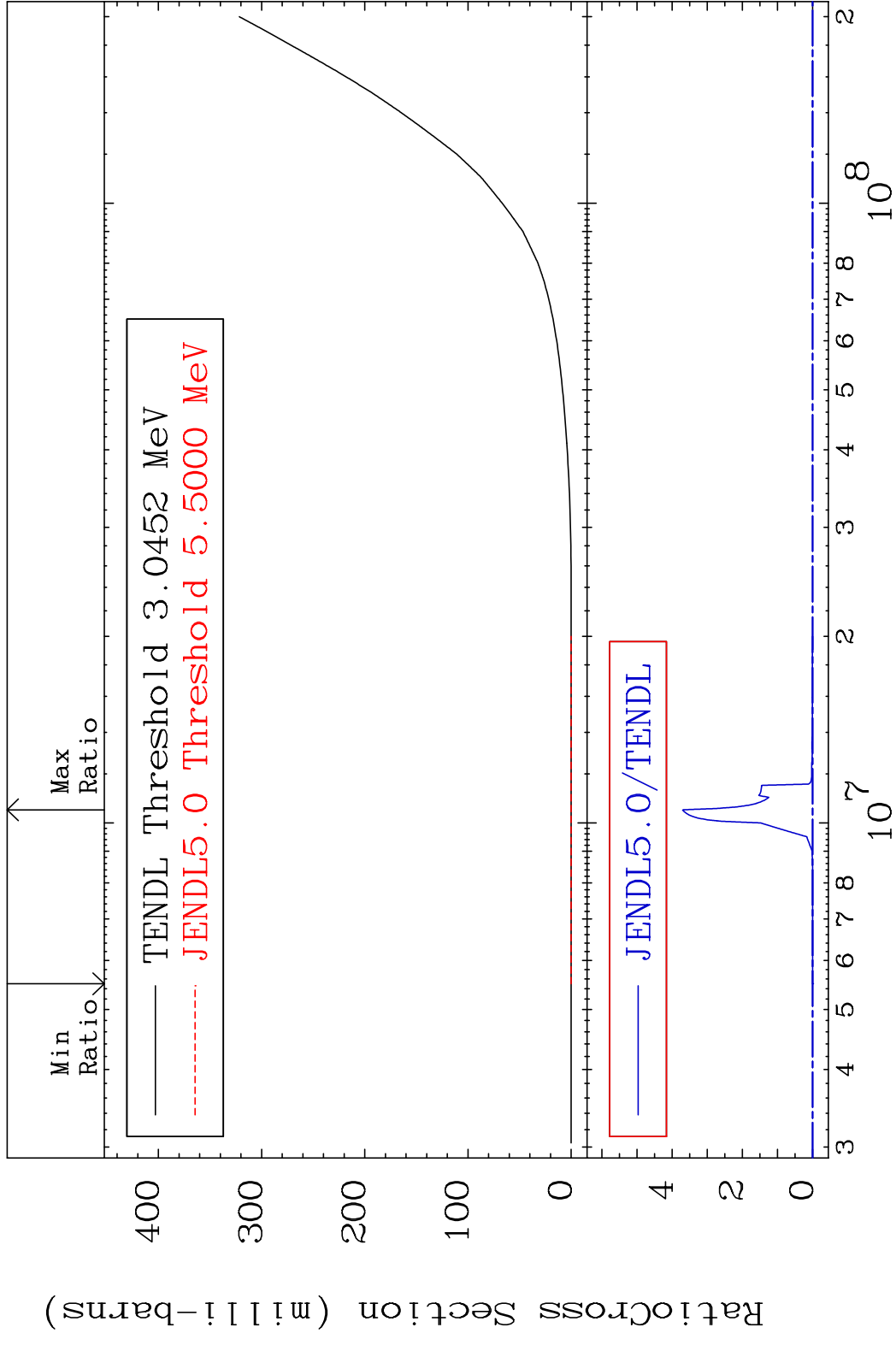


MAT 7825

He-3 Production

78-Pt-190

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

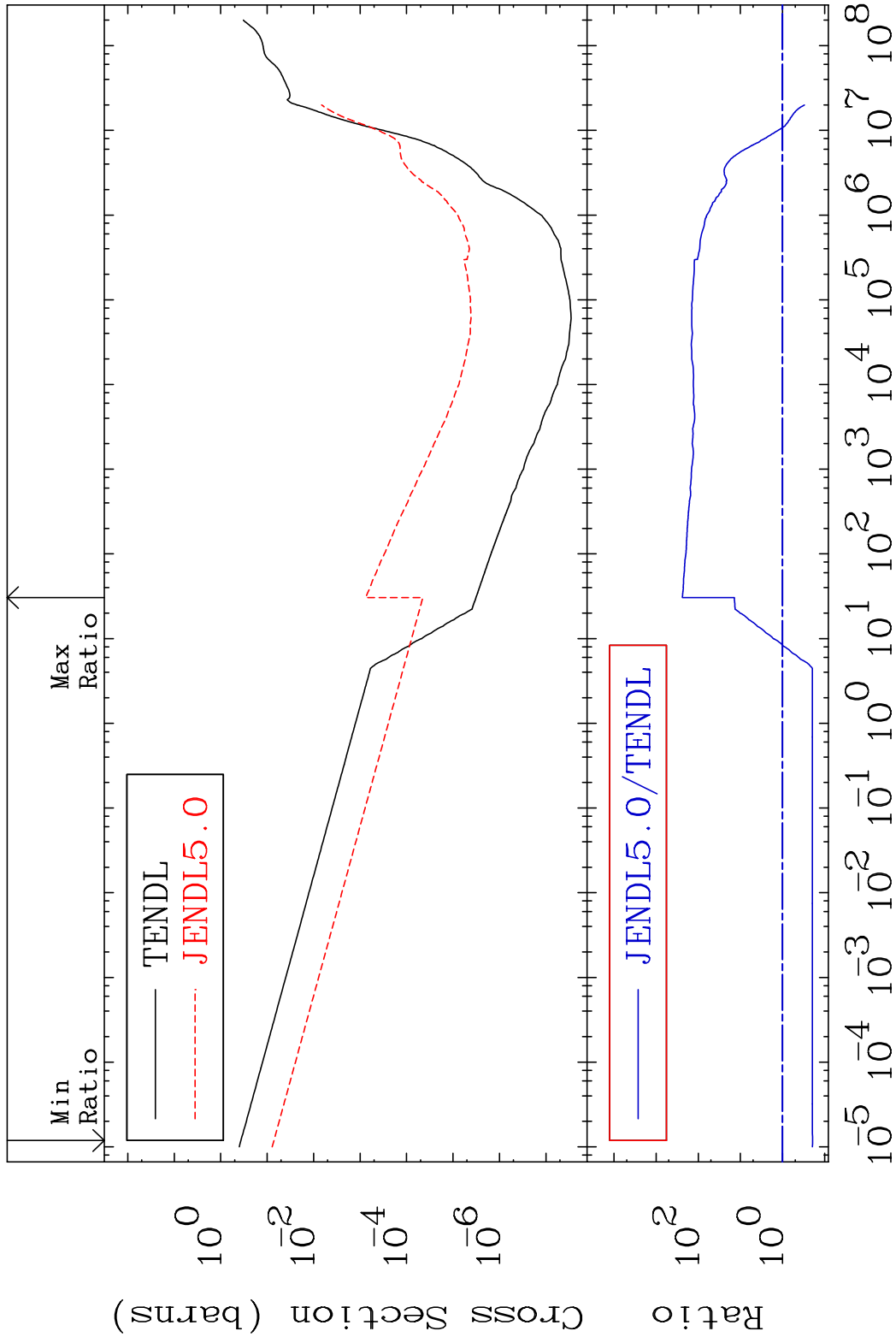
78-Pt-190

MAT 7825

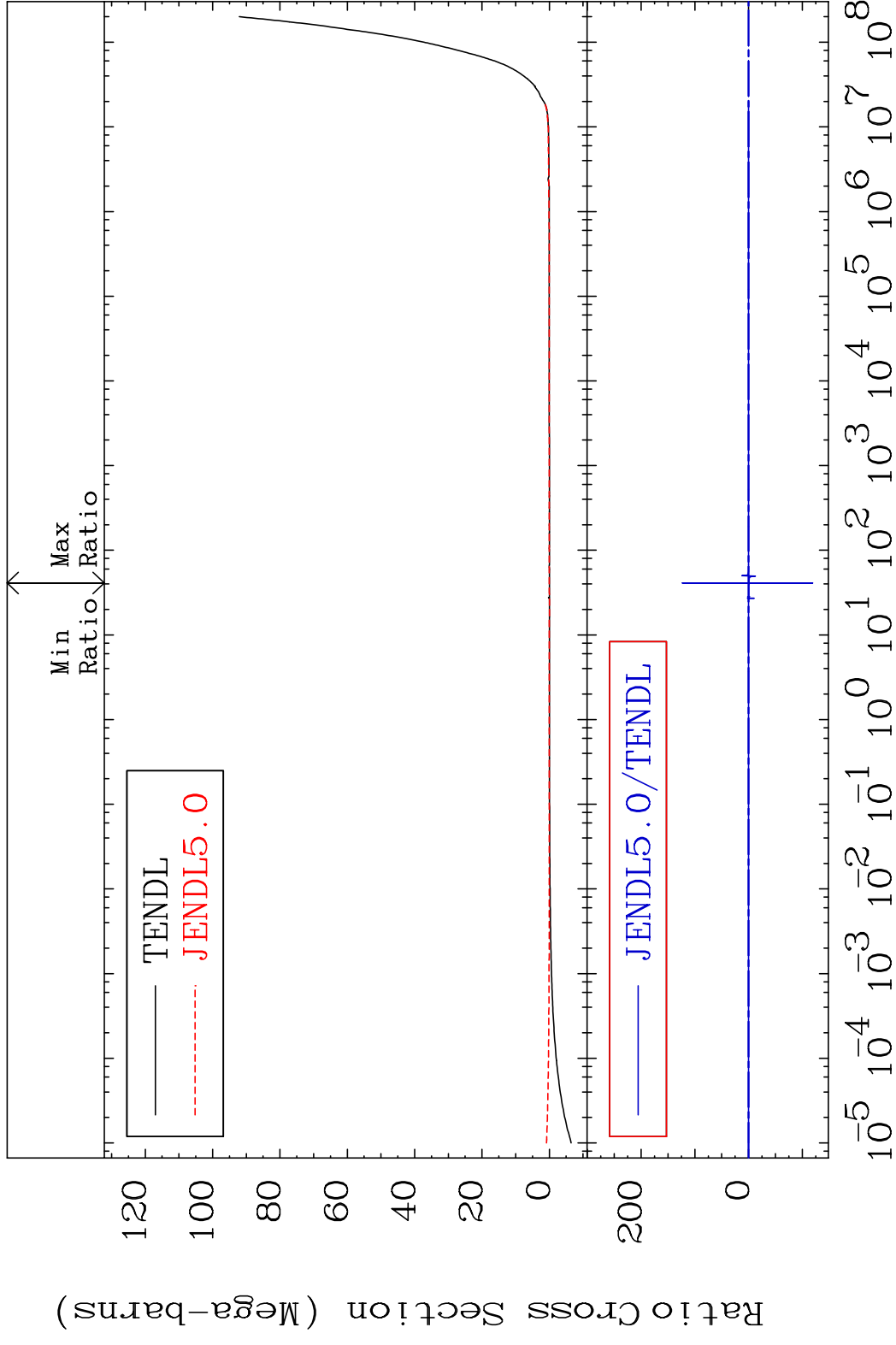
He-4 Production

78-Pt-190

Cross Section -80.62 To 9999. %

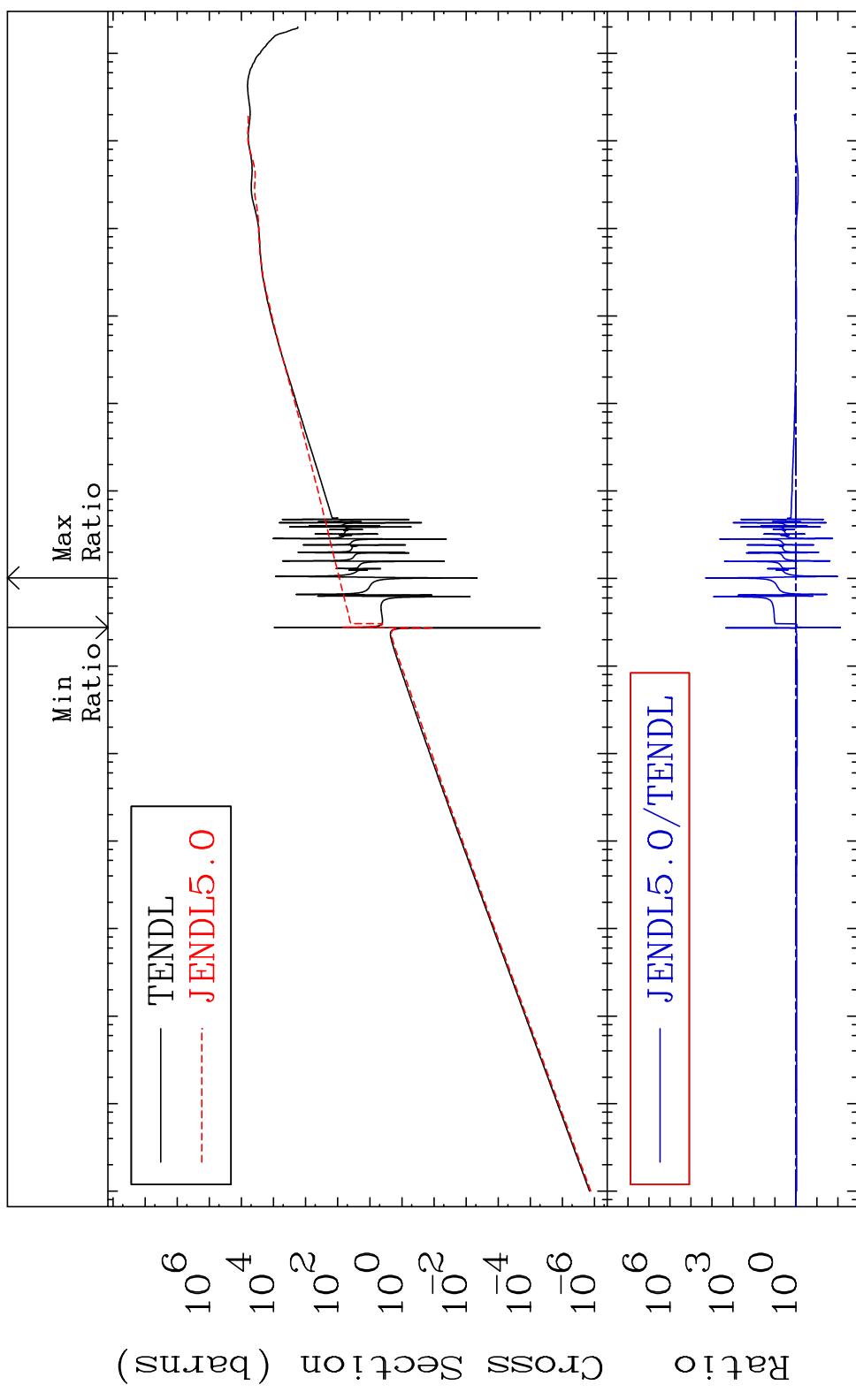


MAT 7825 Kerma total (eV-barns) 78-Pt-190
 Cross Section -9999. To 9999. %

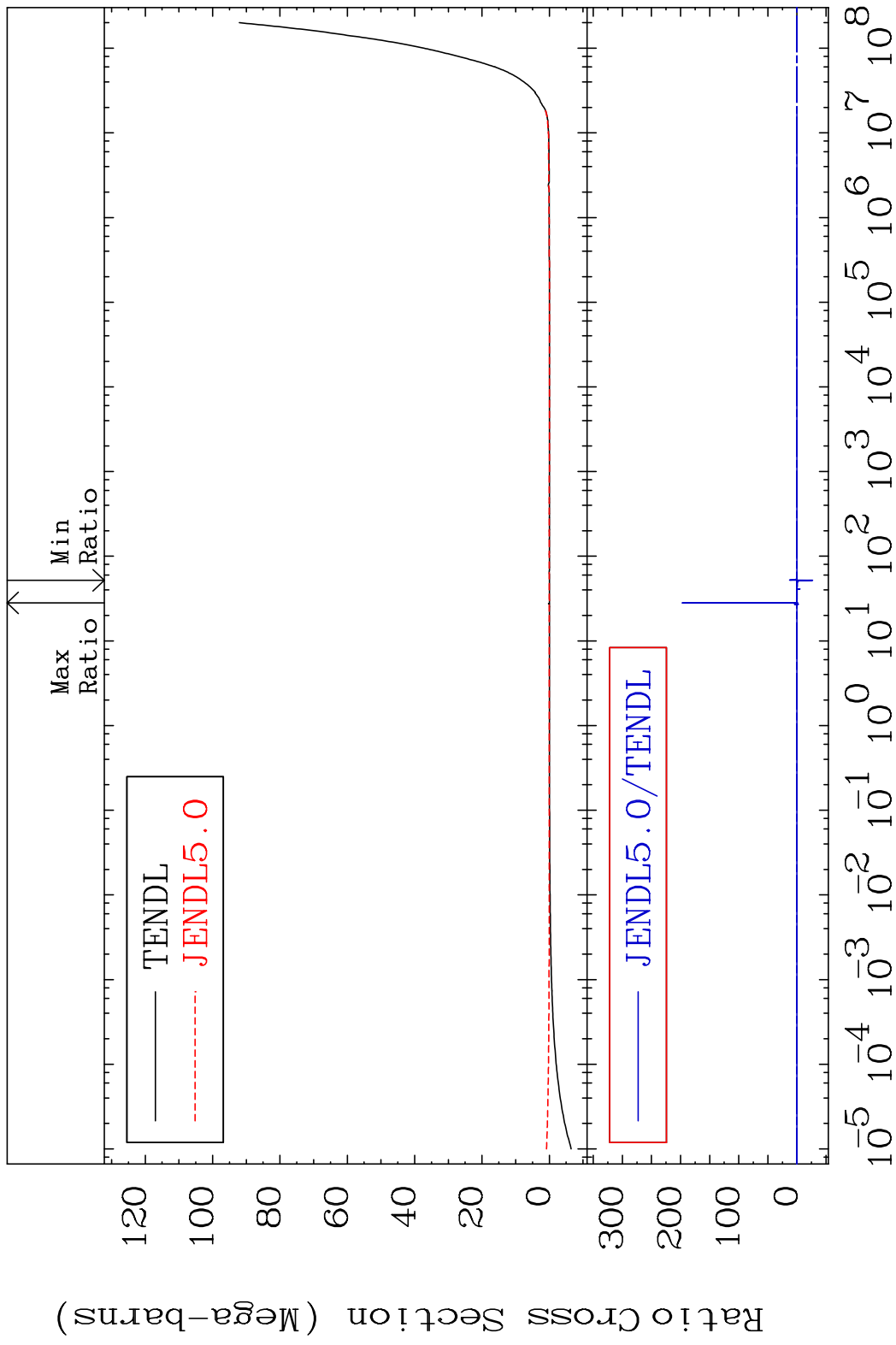


MAT 7825

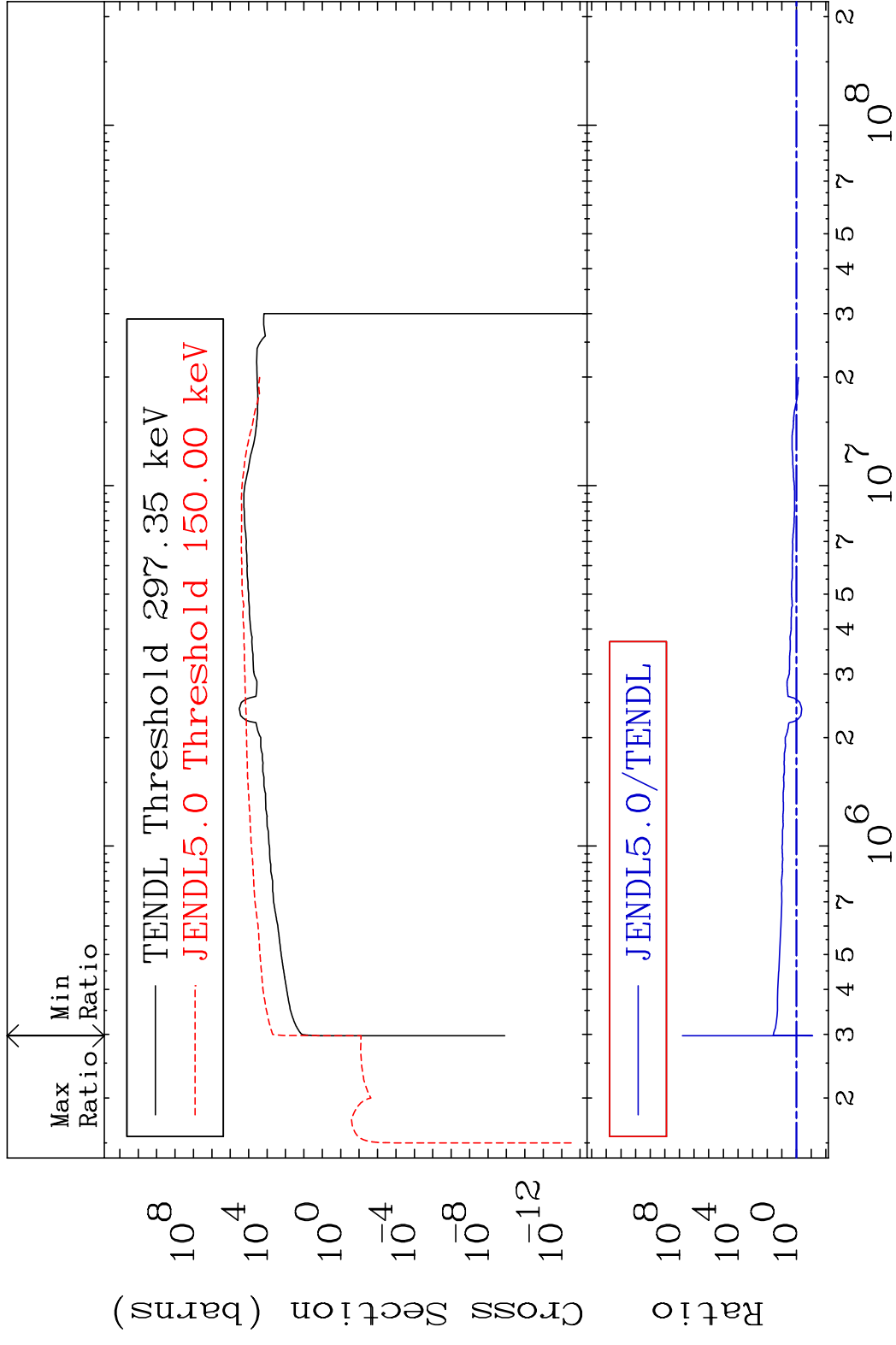
Kerma elastic Cross Section -99.24 To 9999. %
78-Pt-190



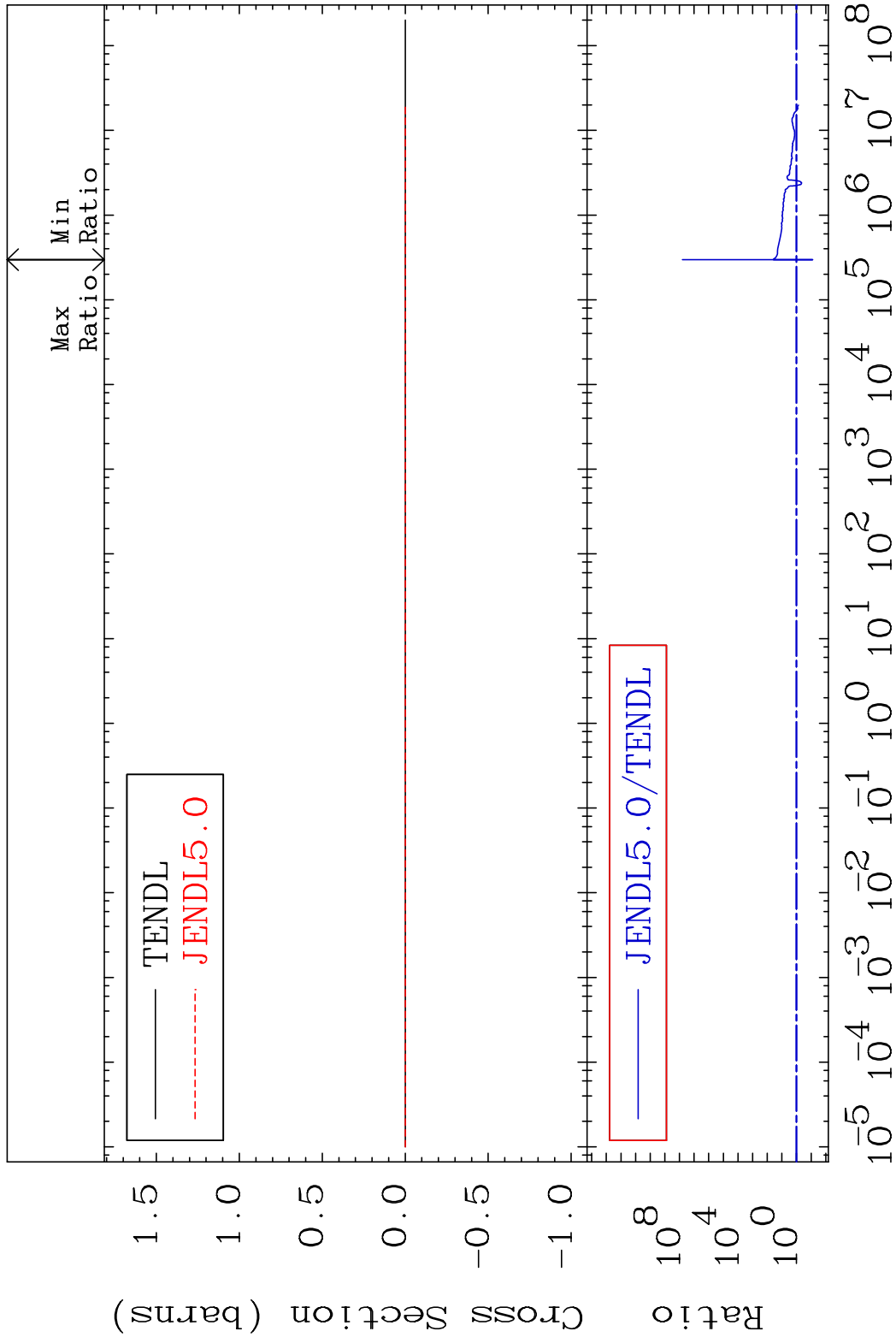
MAT 7825 Kerma non-elastic (all but mt2) 78-Pt-190
 Cross Section -9999. To 9999. %



MAT 7825 Kerma inelastic (mt51-91) 78-Pt-190
 Cross Section -91.98 To 9999. %

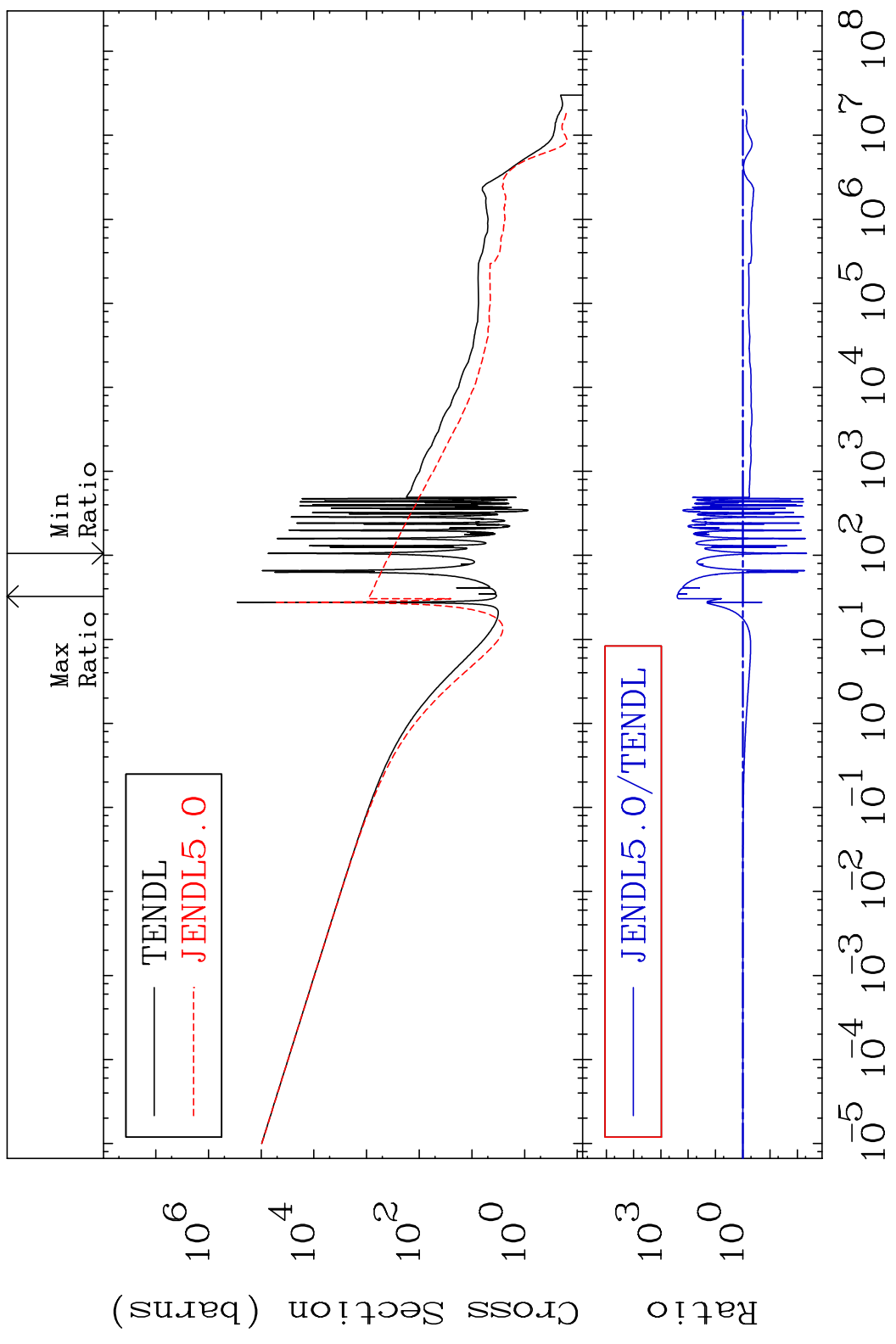


MAT 7825 Kerma fission (mt18 or mt19-20-21-38)78-Pt-190
 Cross Section -91.98 To 9999. %



MAT 7825

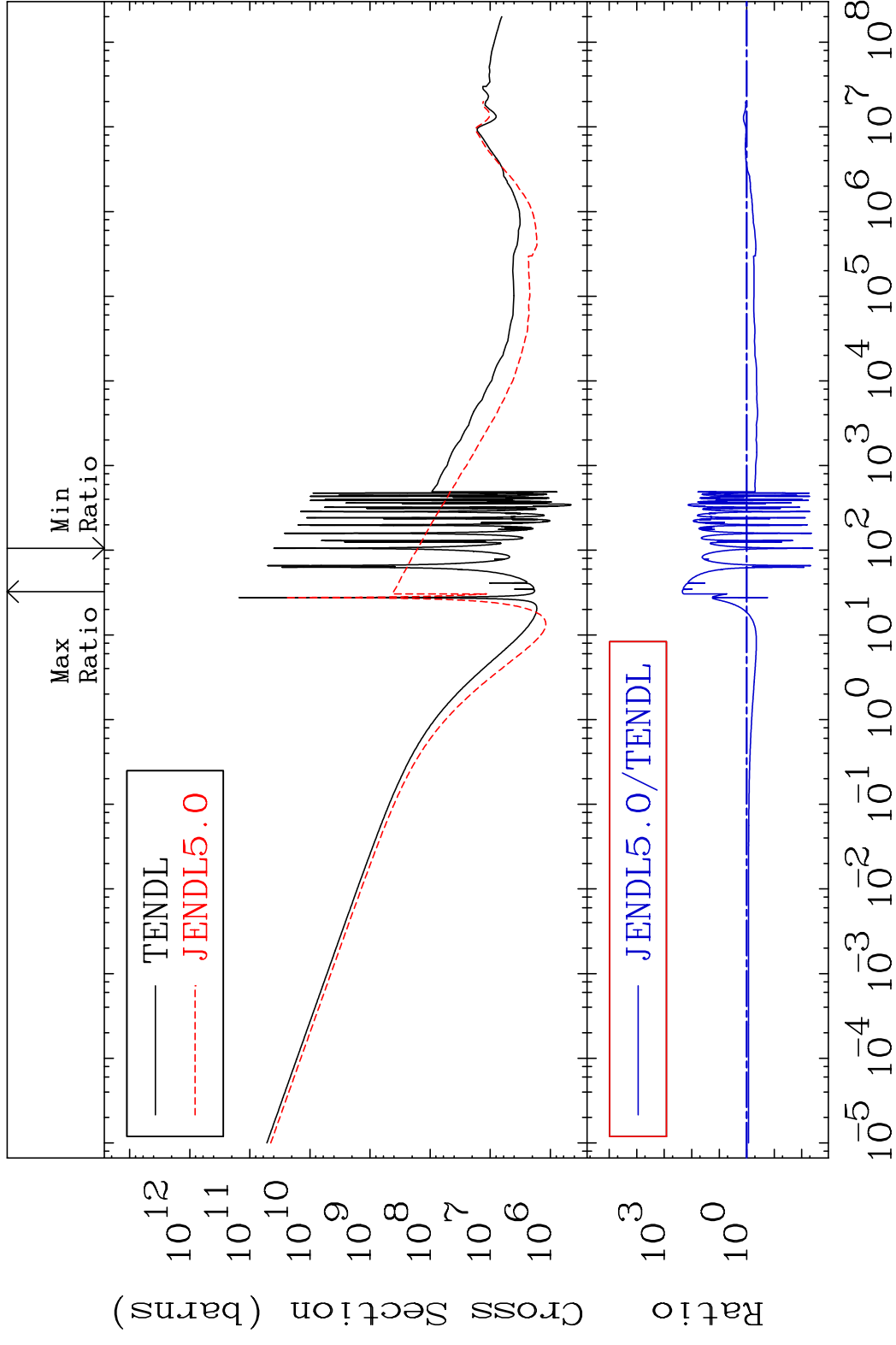
Kerma capture (mt102) 78-Pt-190
Cross Section -99.53 To 9999. %



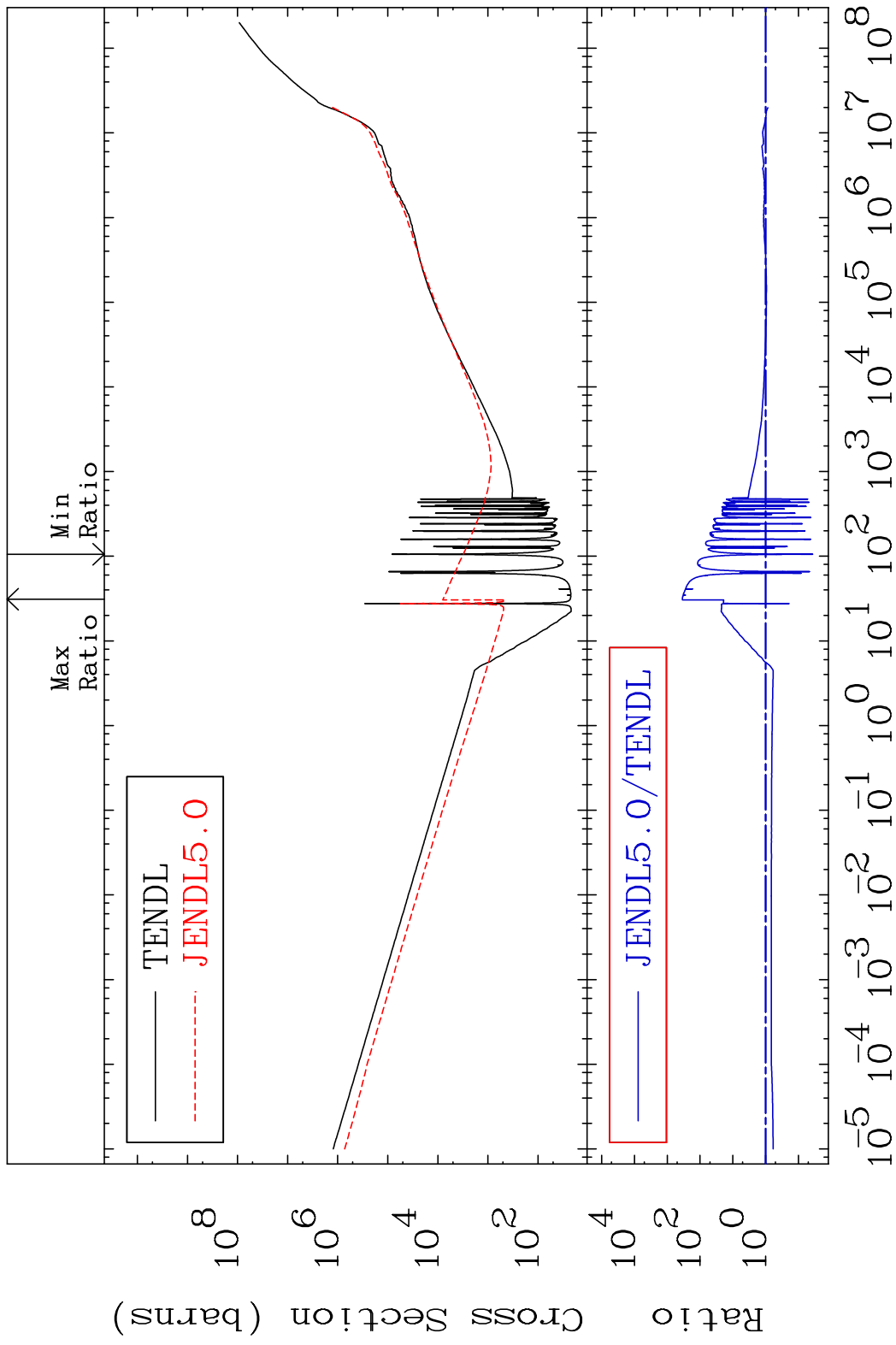
52

Incident Energy (eV) 78-Pt-190

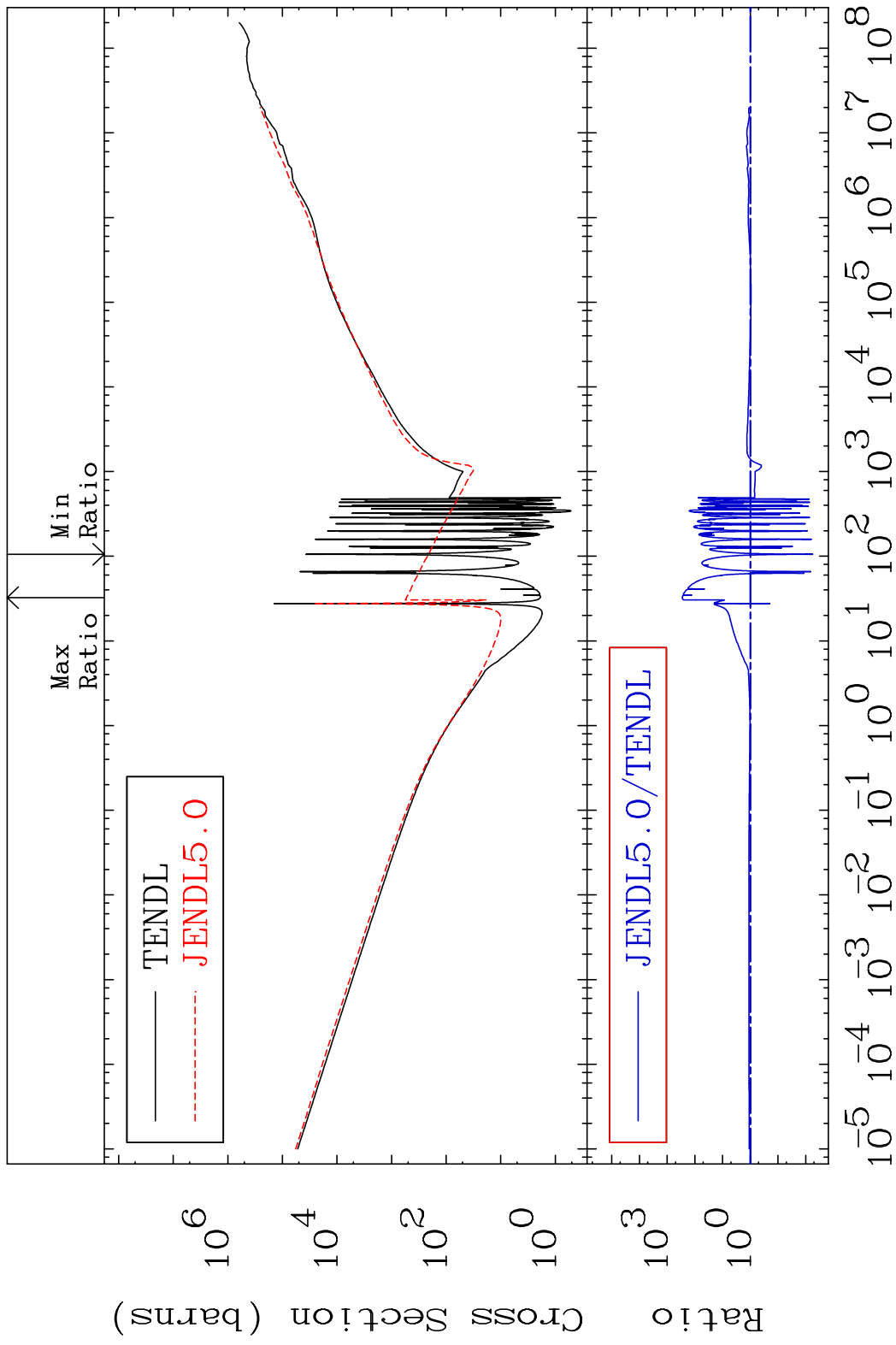
MAT 7825 Total photon (eV-barns) 78-Pt-190
 Cross Section -99.60 To 9999. %



MAT 7825 Total kinematic kerma (high limit) 78-Pt-190
 Cross Section -96.30 To 9999. %



MAT 7825 Dpa total (eV-barns) 78-Pt-190
 Cross Section -99.44 To 9999. %

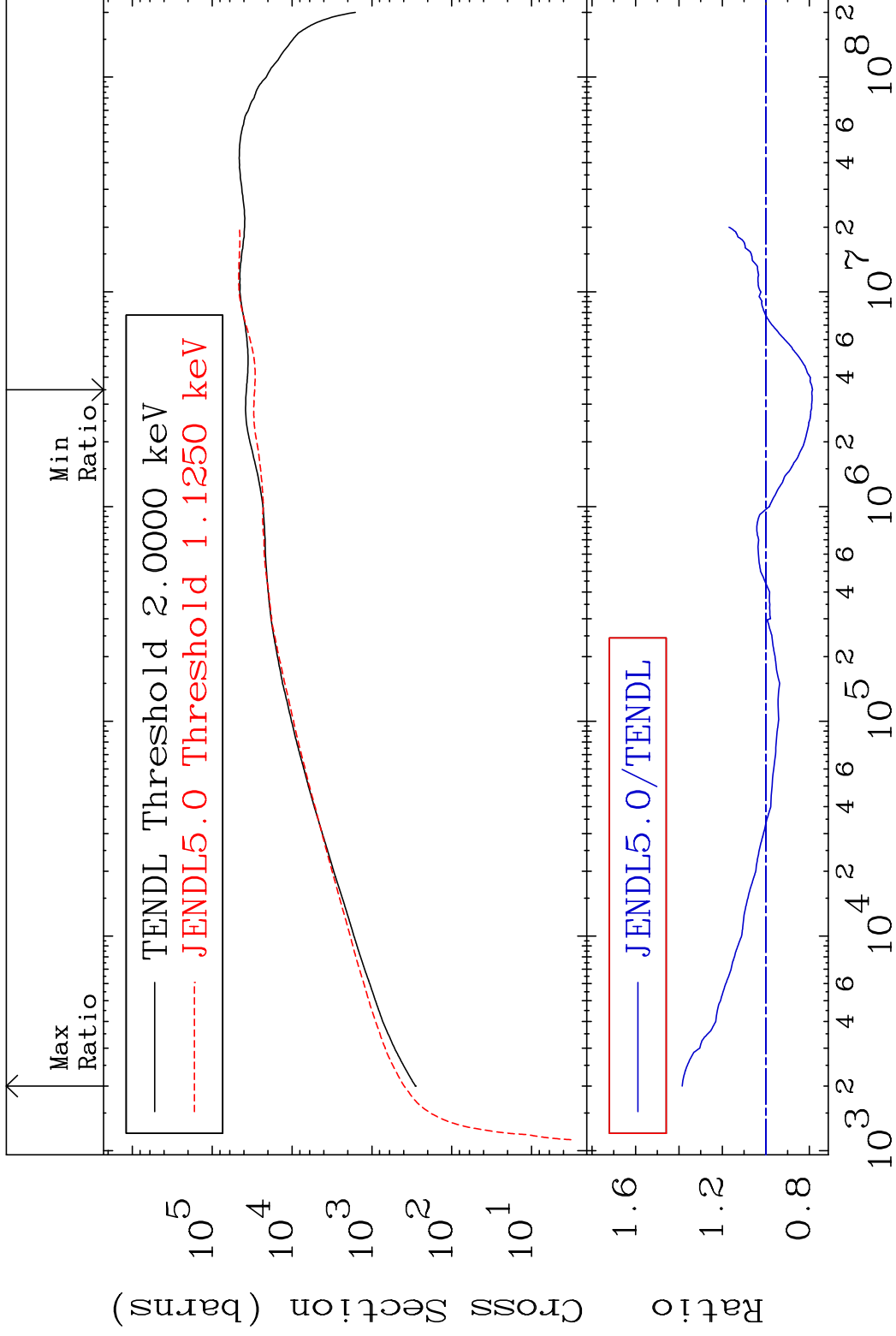


MAT 7825

Dpa elastic (mt2)

78-Pt-190

Cross Section -21.46 To 38.54 %

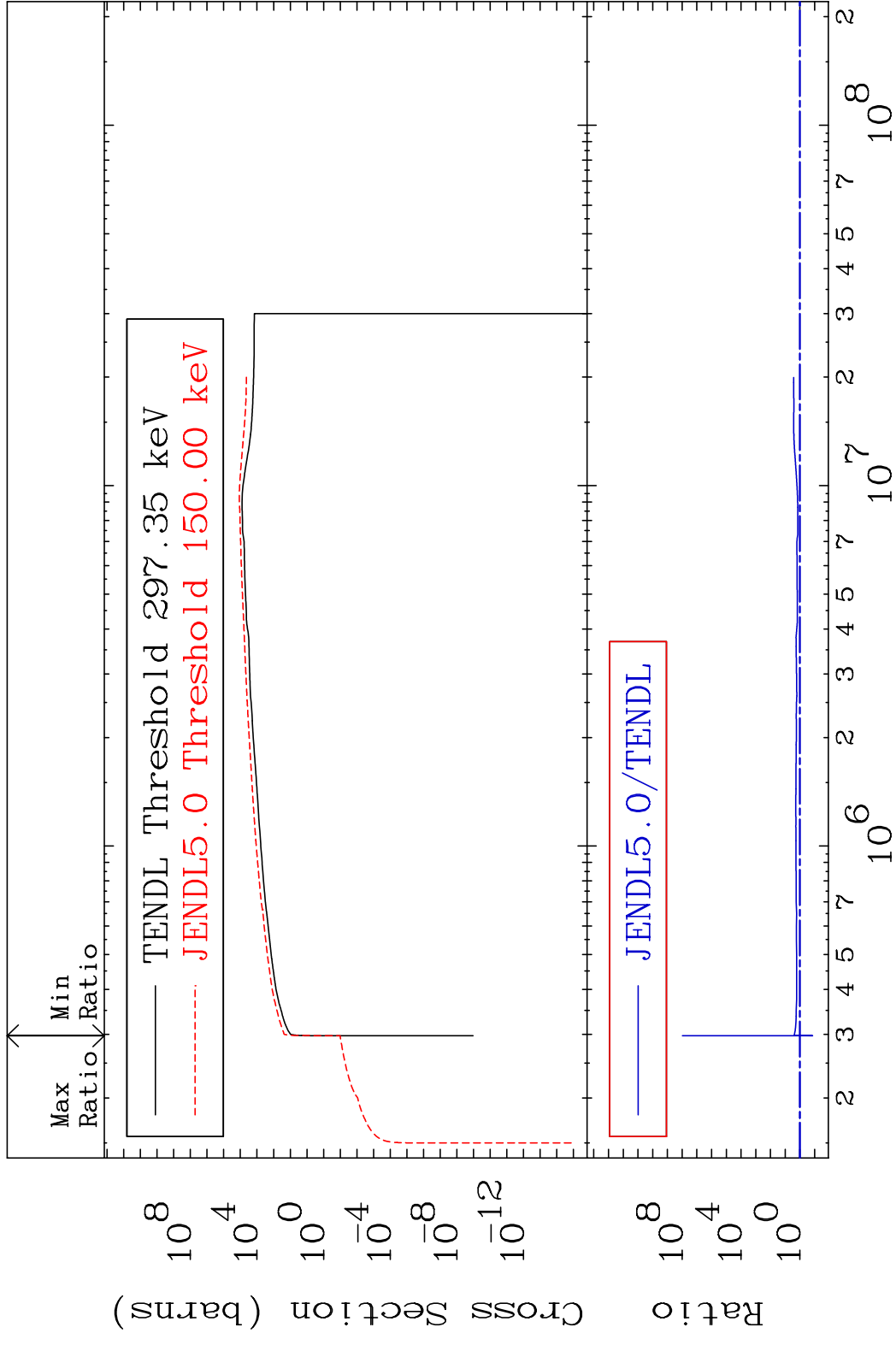


56

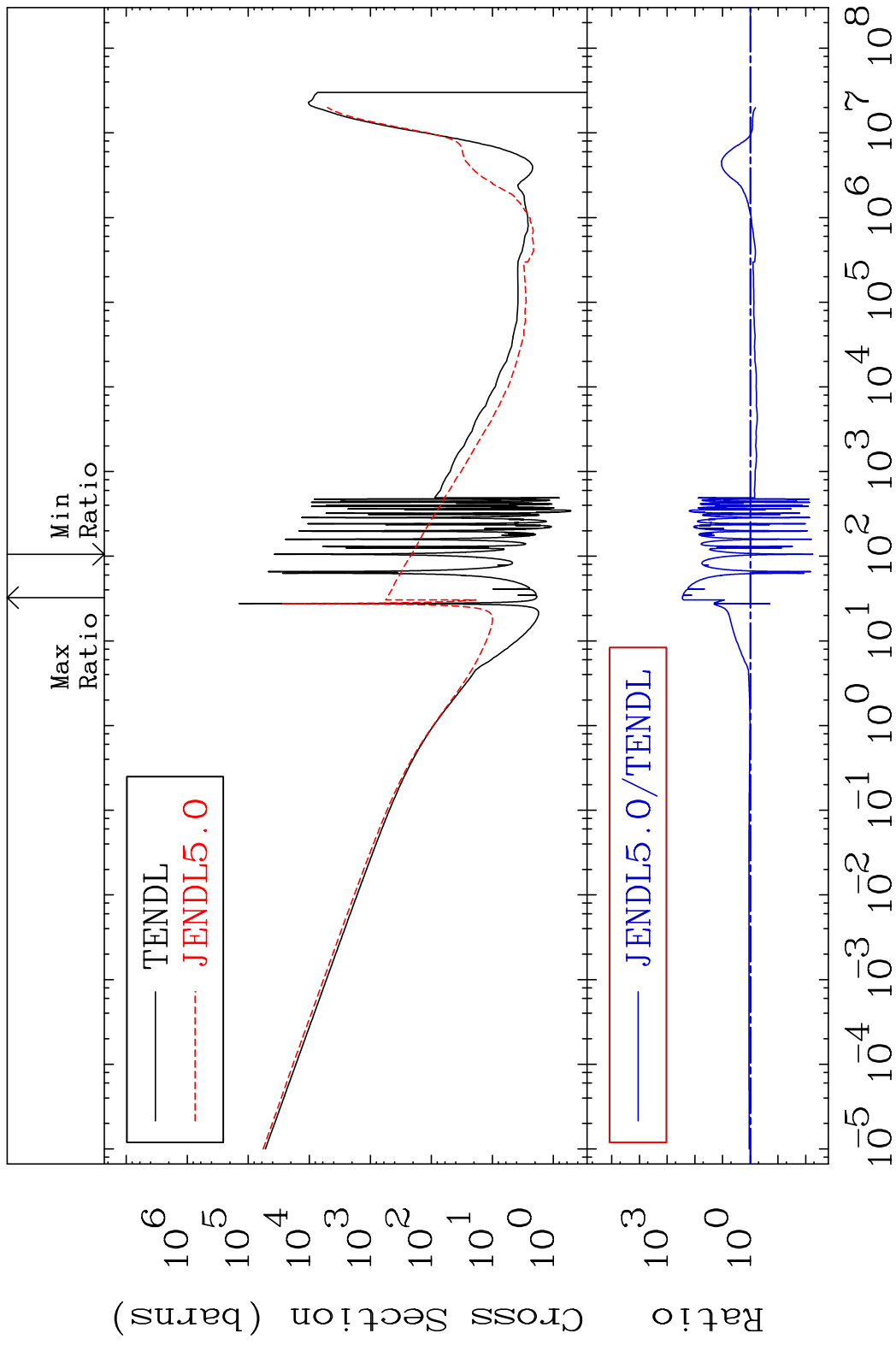
Incident Energy (eV)

78-Pt-190

MAT 7825 Dpa inelastic (mt51-91) 78-Pt-190
 Cross Section -86.09 To 9999. %



MAT 7825 Dpa disappearance (mt102 -120) 78-Pt-190
 Cross Section -99.44 To 9999. %

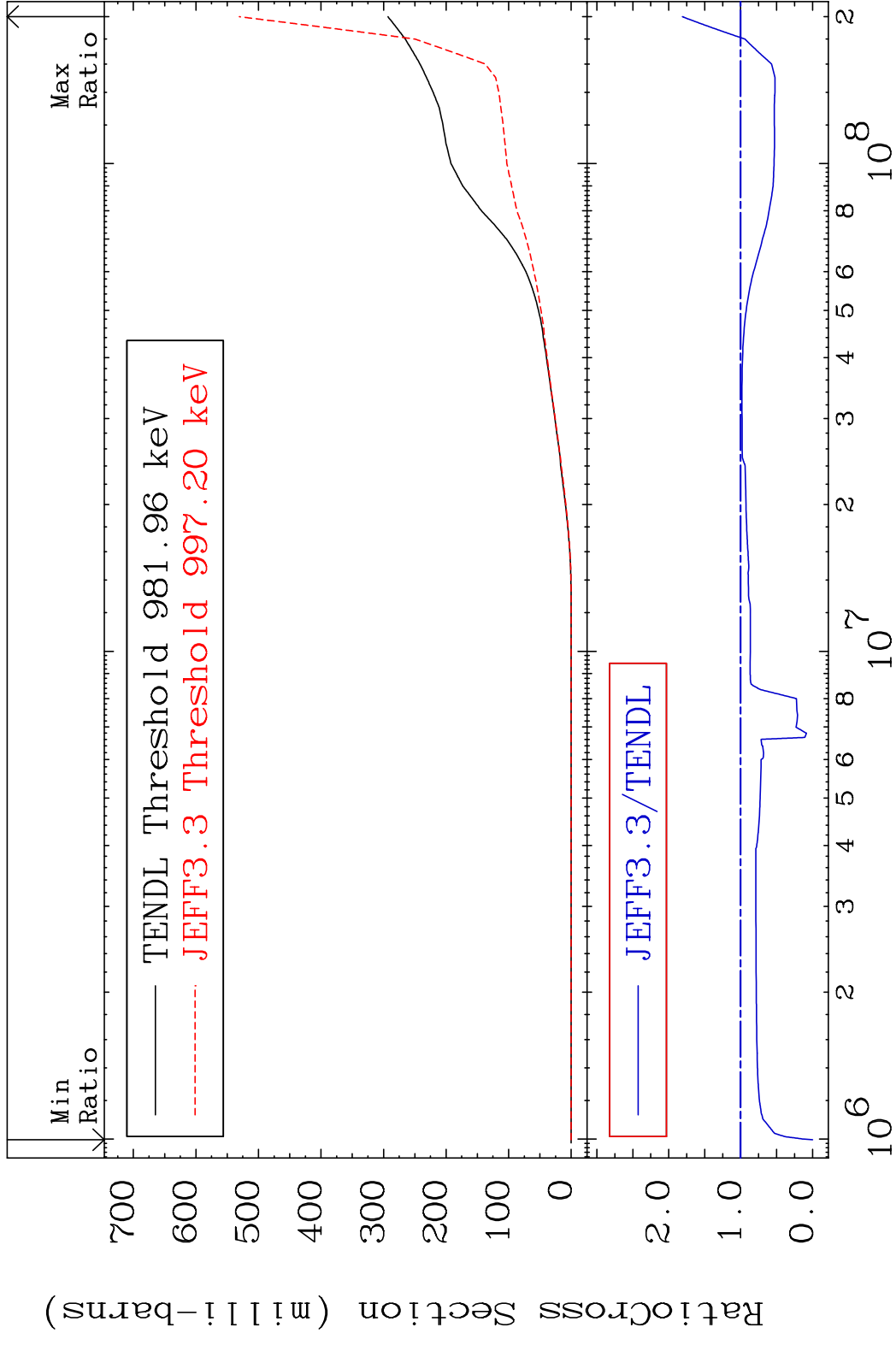


MAT 7825

Deuterium Production

78-Pt-190

Cross Section -100.0 To 81.08 %

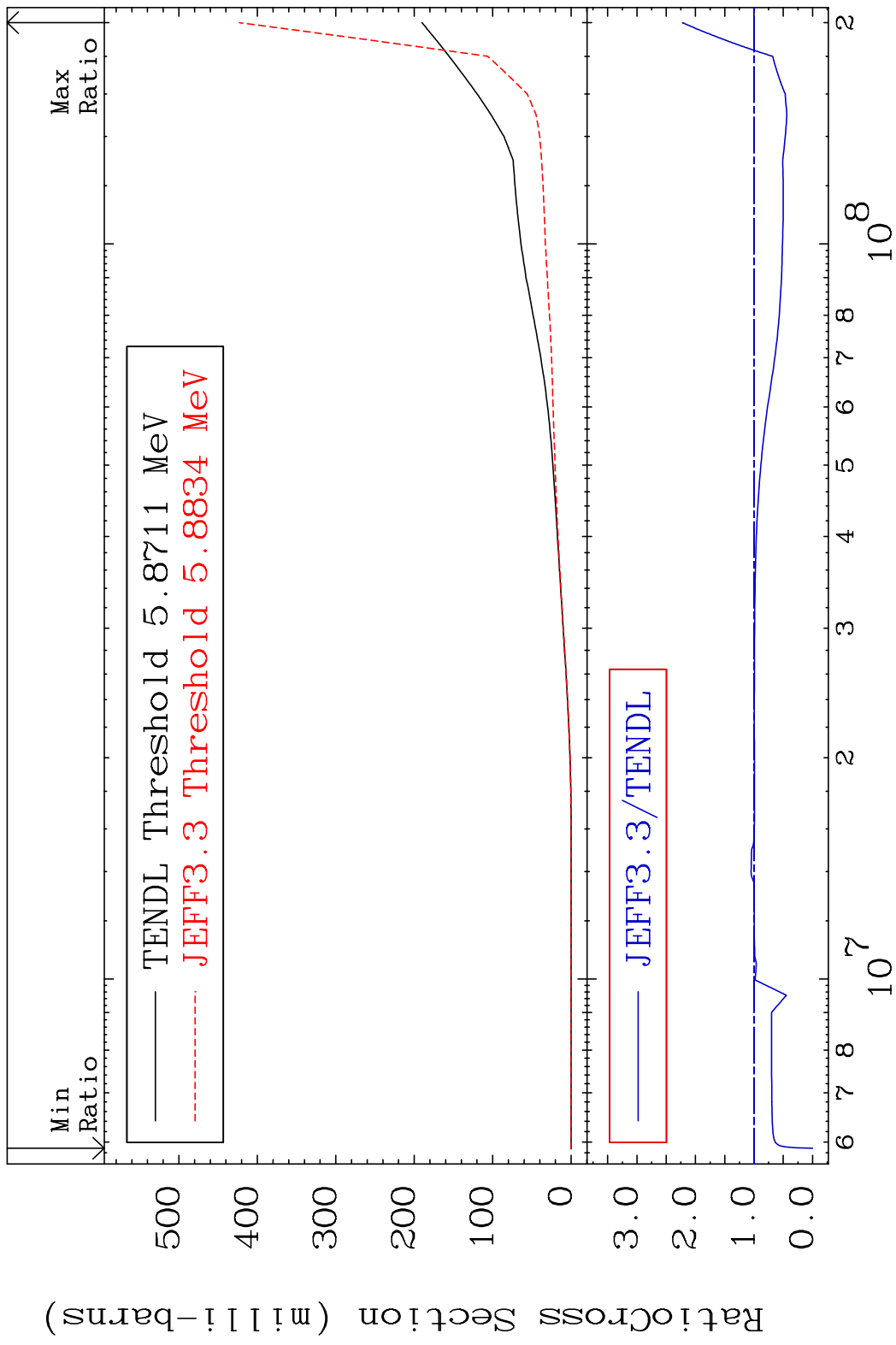


59

Incident Energy (eV)

78-Pt-190

MAT 7825 Tritium Production 78-Pt-190
 Cross Section -100.0 To 122.4 %



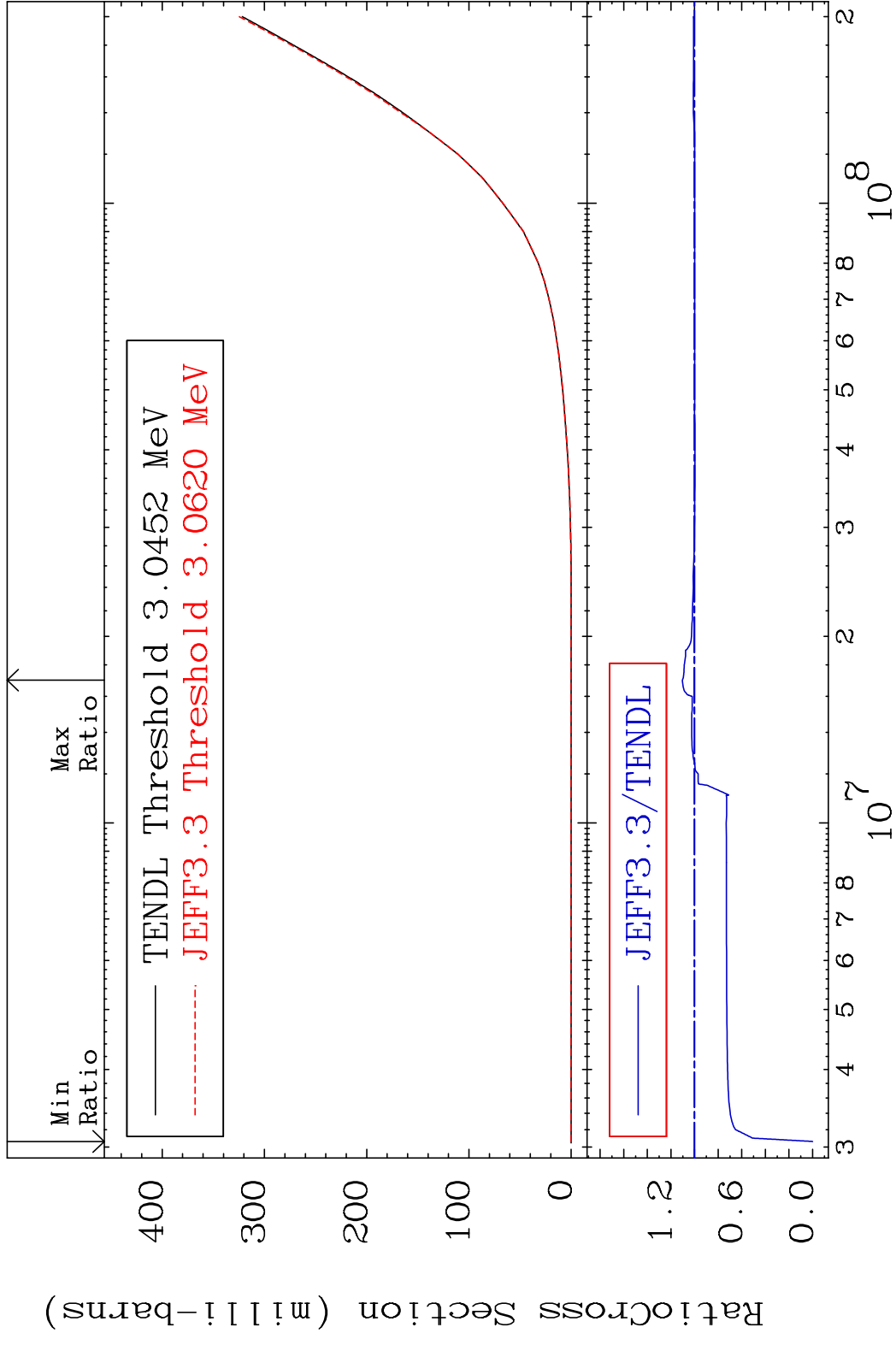
60 Incident Energy (eV) 78-Pt-190

MAT 7825

He-3 Production

78-Pt-190

Cross Section -100.0 To 10.33 %

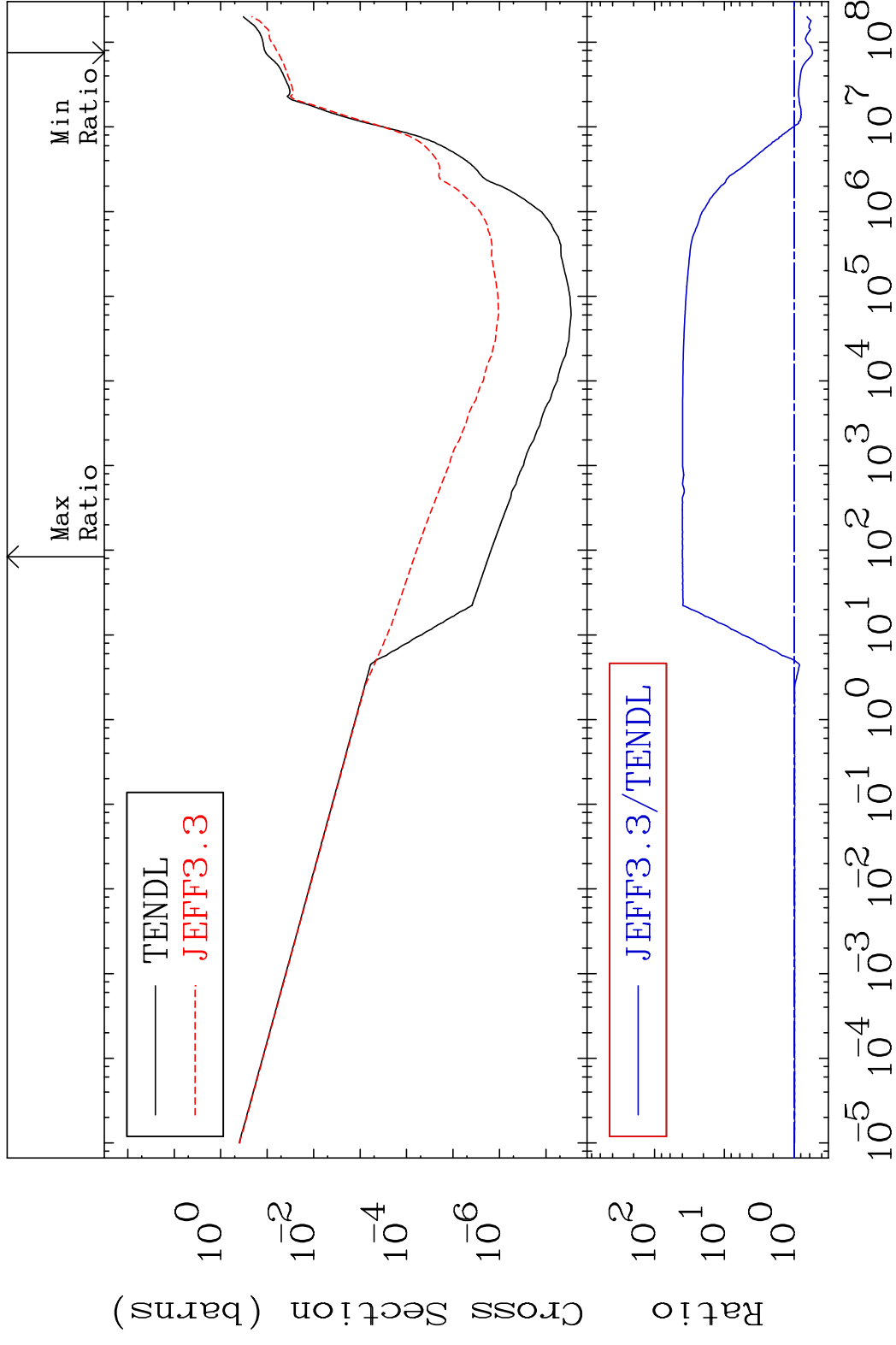


MAT 7825

He-4 Production

78-Pt-190

Cross Section -45.66 To 3901. %

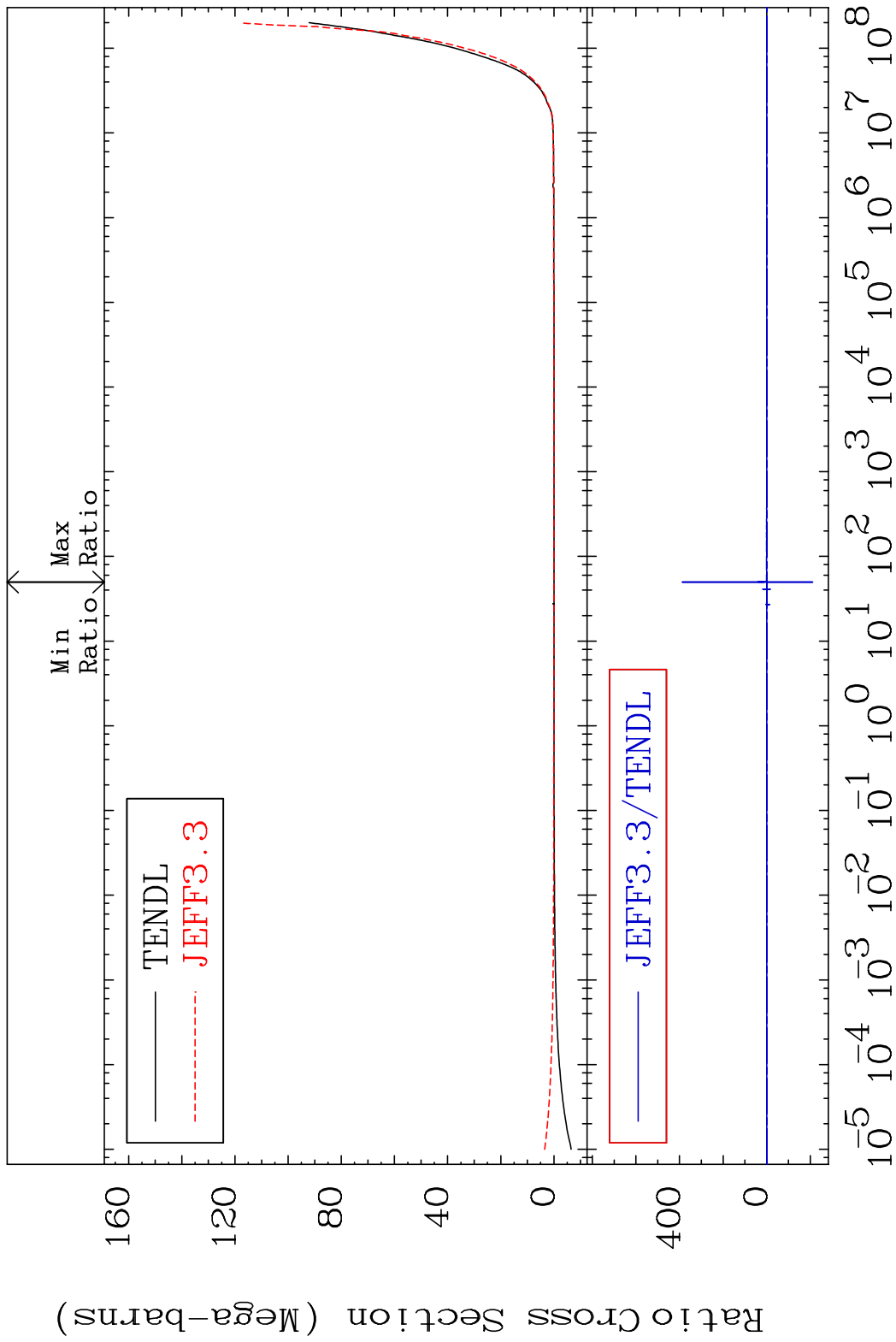


62

Incident Energy (eV)

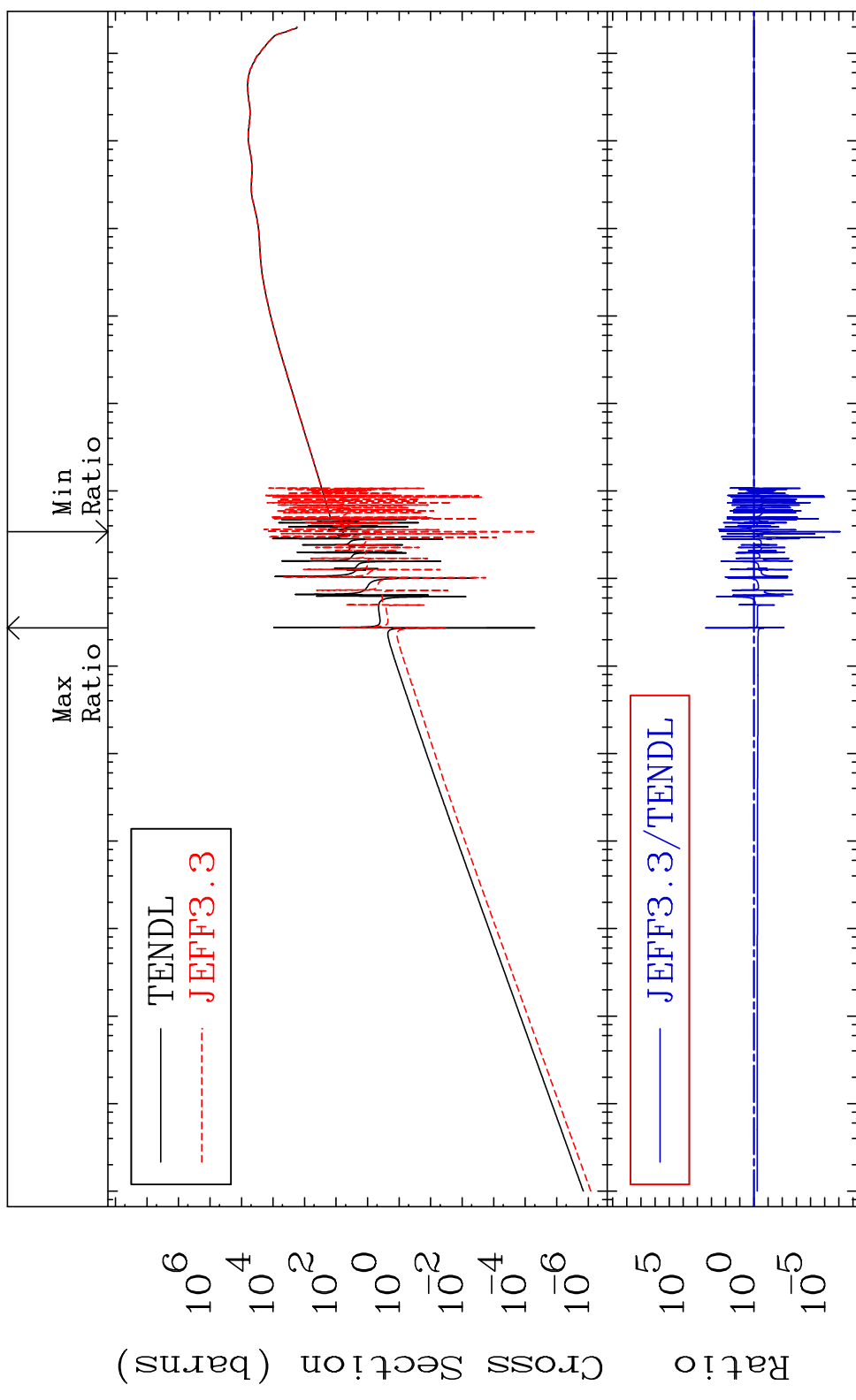
78-Pt-190

MAT 7825 Kerma total (eV-barns) 78-Pt-190
 Cross Section -9999. To 9999. %



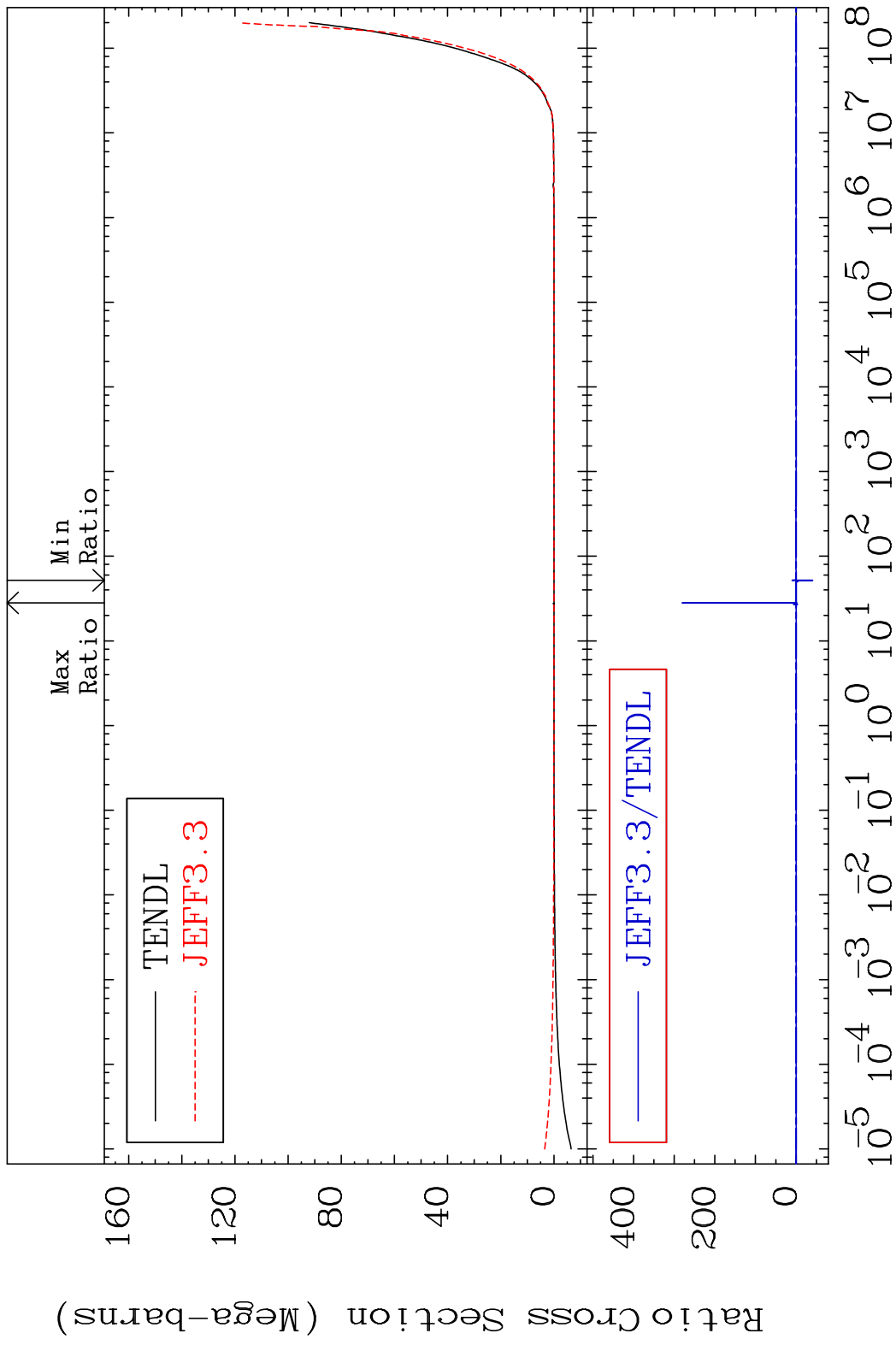
MAT 7825

Kerma elastic Cross Section -100.0 To 9999. %
78-Pt-190

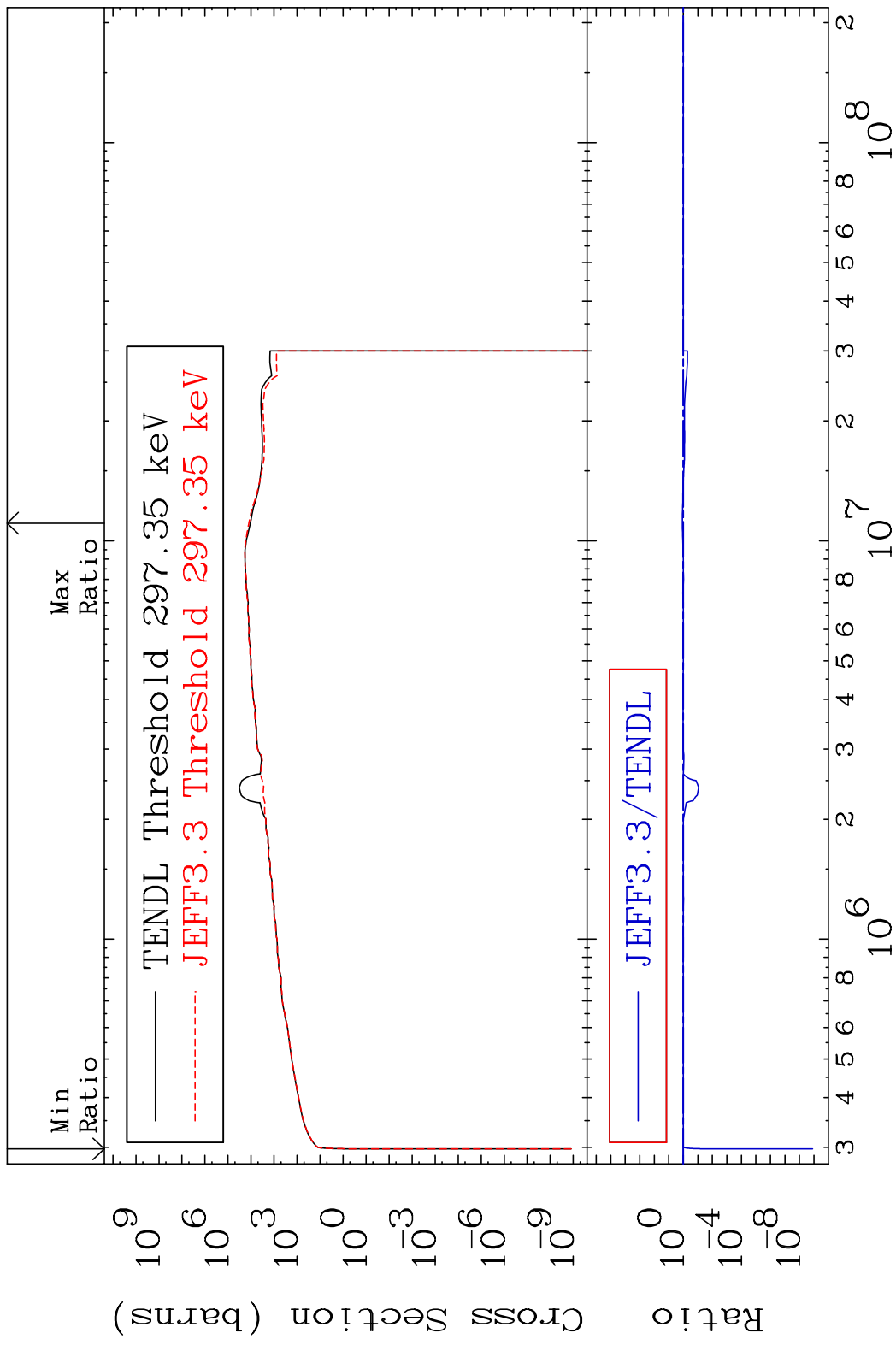


Incident Energy (eV) 78-Pt-190

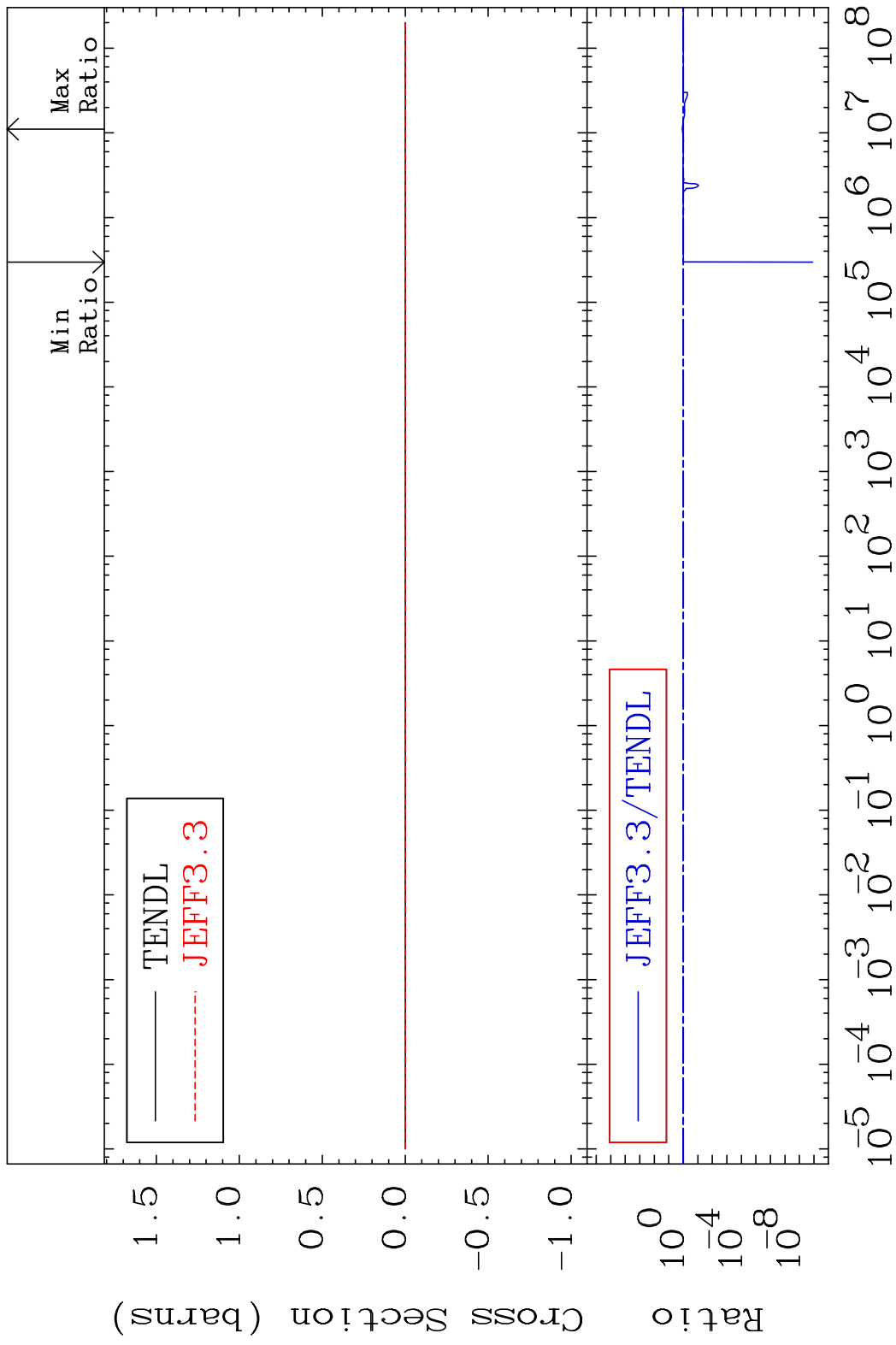
MAT 7825 Kerma non-elastic (all but mt2) 78-Pt-190
 Cross Section -9999. To 9999. %



MAT 7825 Kerma inelastic (mt51-91) 78-Pt-190
 Cross Section -100.0 To 15.89 %

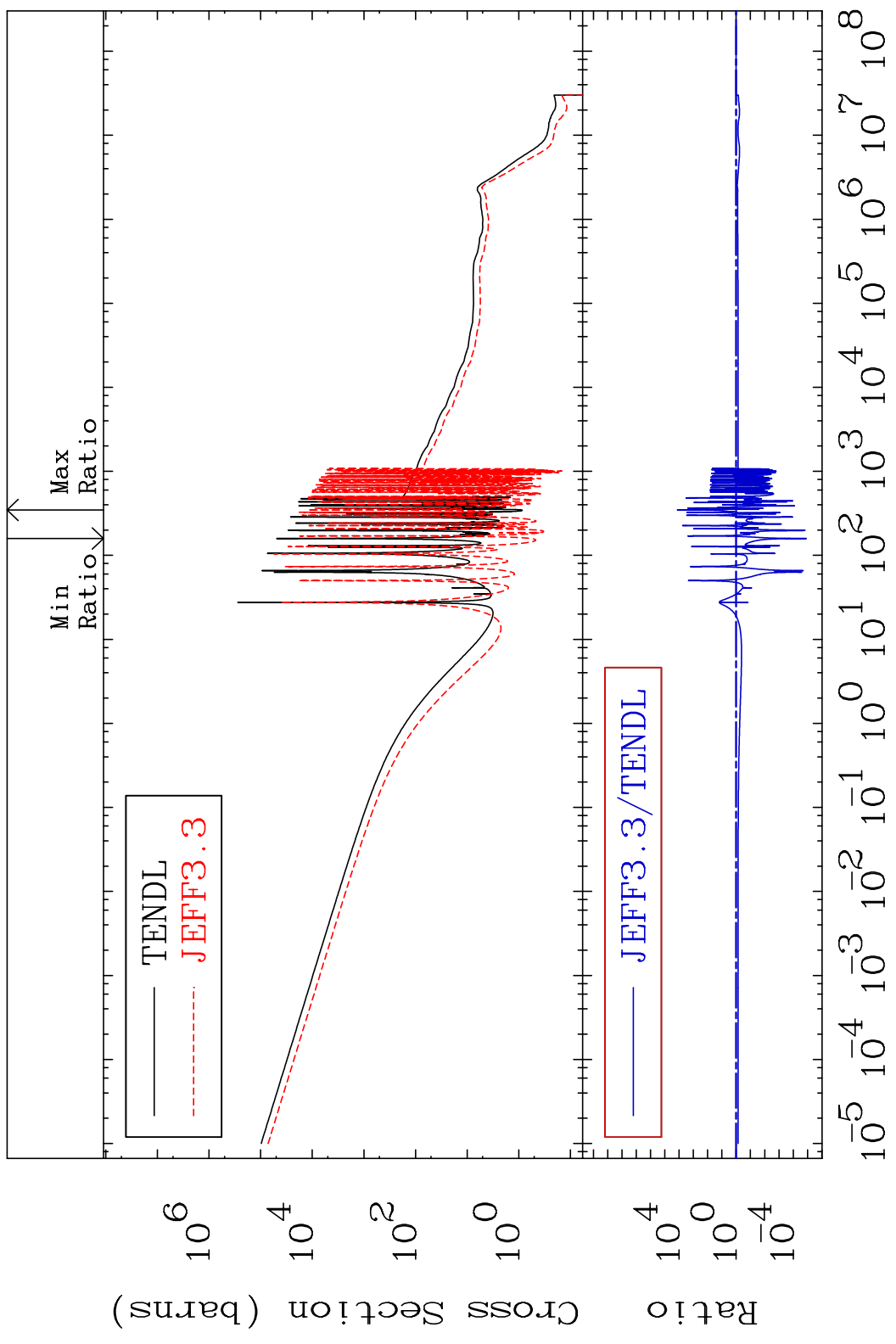


MAT 7825 Kerma fission (mt18 or mt19-20-21-38)78-Pt-190
 Cross Section -100.0 To 15.89 %

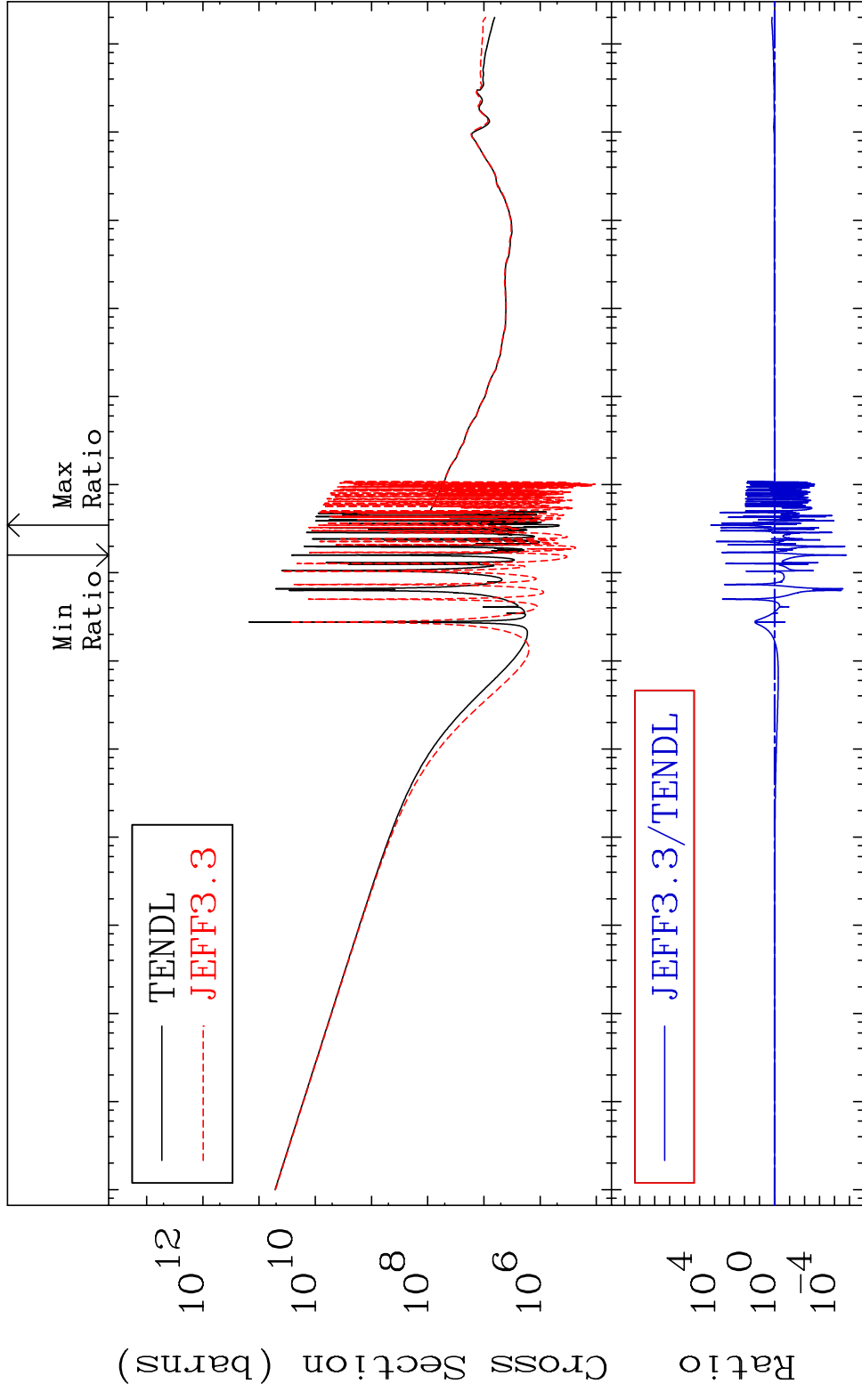


MAT 7825

Kerma capture (mt102) 78-Pt-190
Cross Section -100.0 To 9999. %

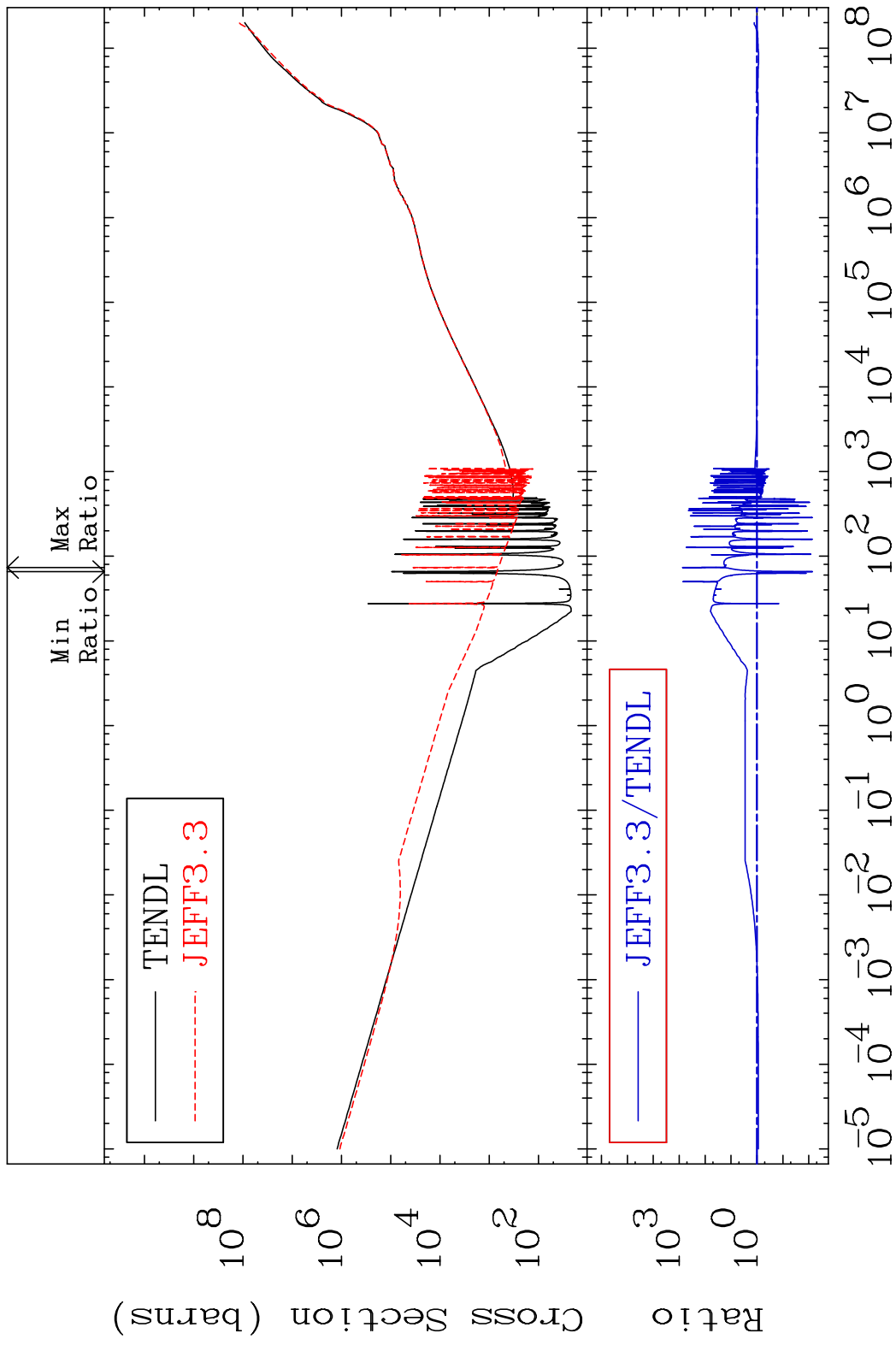


MAT 7825 Total photon (eV-barns) 78-Pt-190
 Cross Section -100.0 To 9999. %



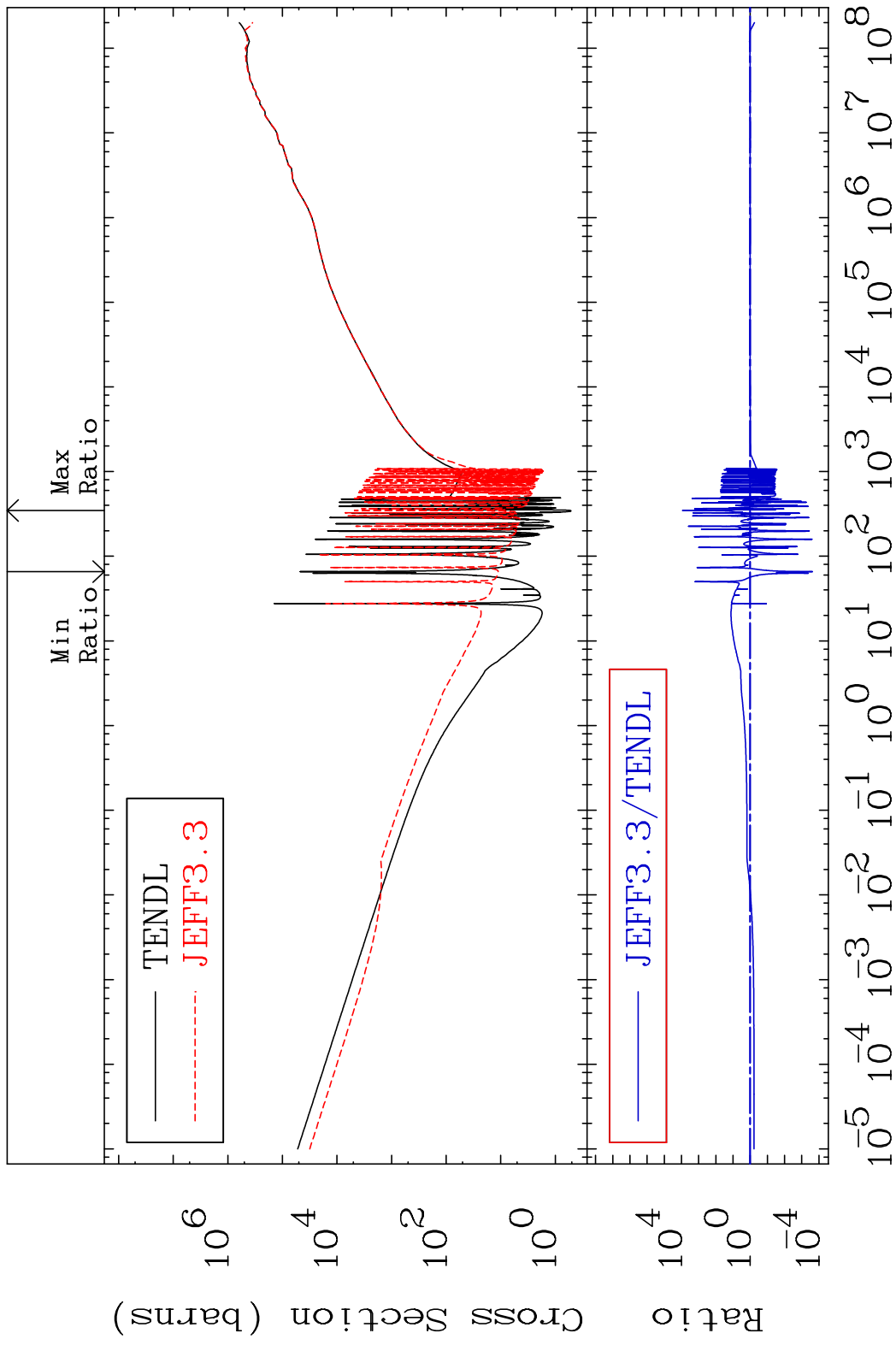
69 Incident Energy (eV) 78-Pt-190

MAT 7825 Total kinematic kerma (high limit) 78-Pt-190
 Cross Section -99.28 To 9999. %



70 Incident Energy (eV) 78-Pt-190

MAT 7825 Dpa total (eV-barns) 78-Pt-190
 Cross Section -99.98 To 9999. %



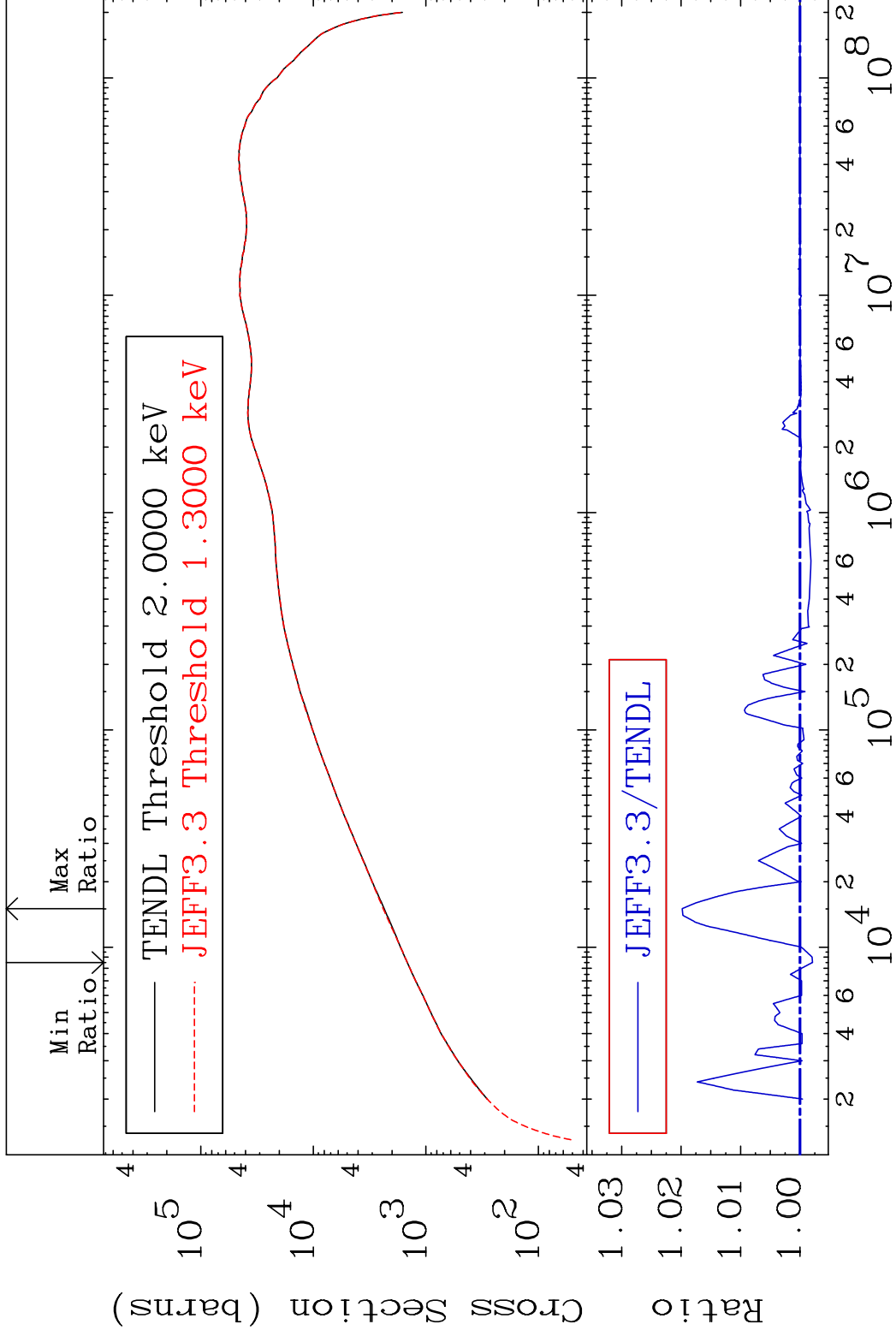
71 Incident Energy (eV) 78-Pt-190

MAT 7825

Dpa elastic (mt2)

78-Pt-190

Cross Section -0.210 To 1.982 %

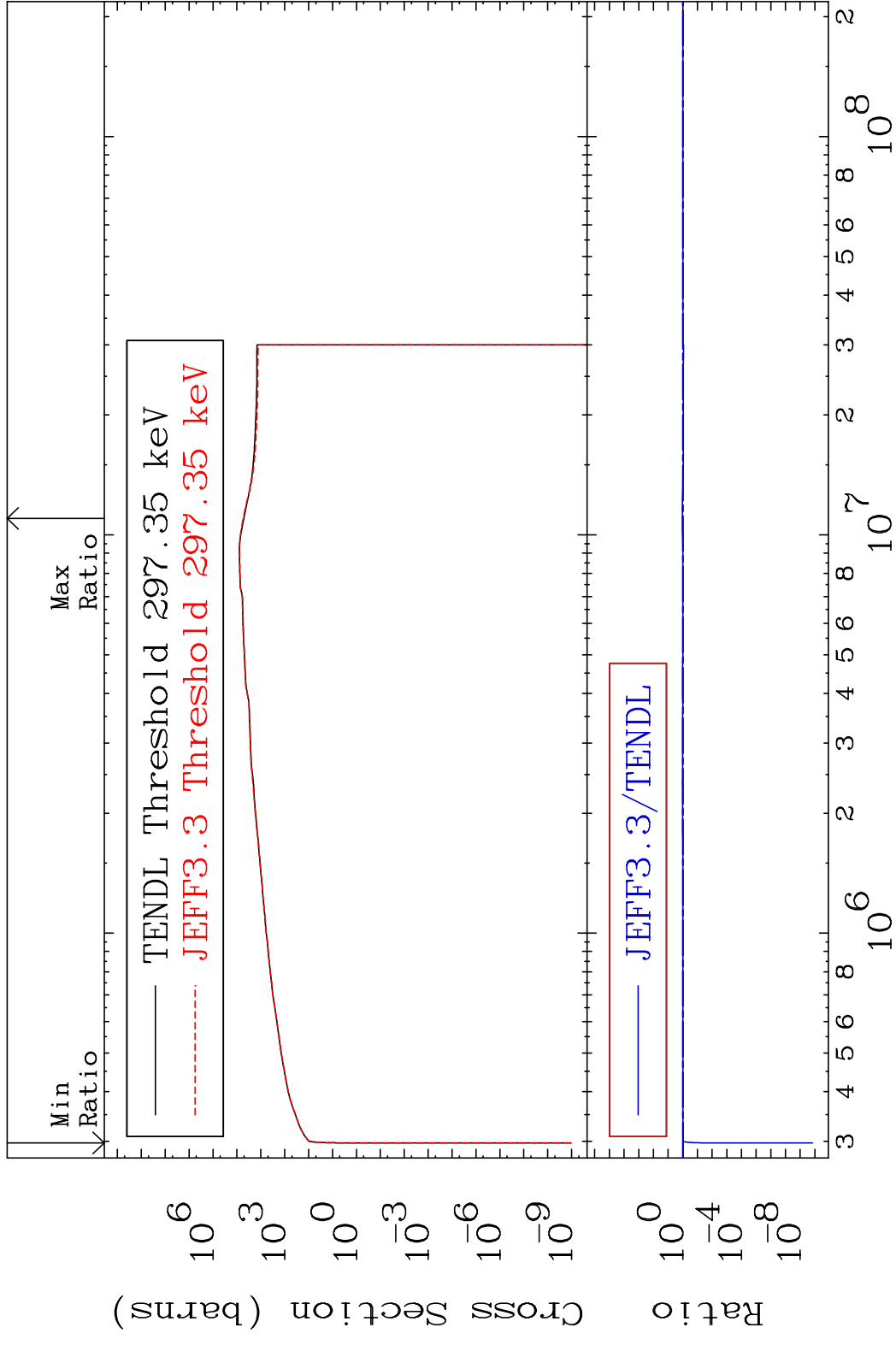


72

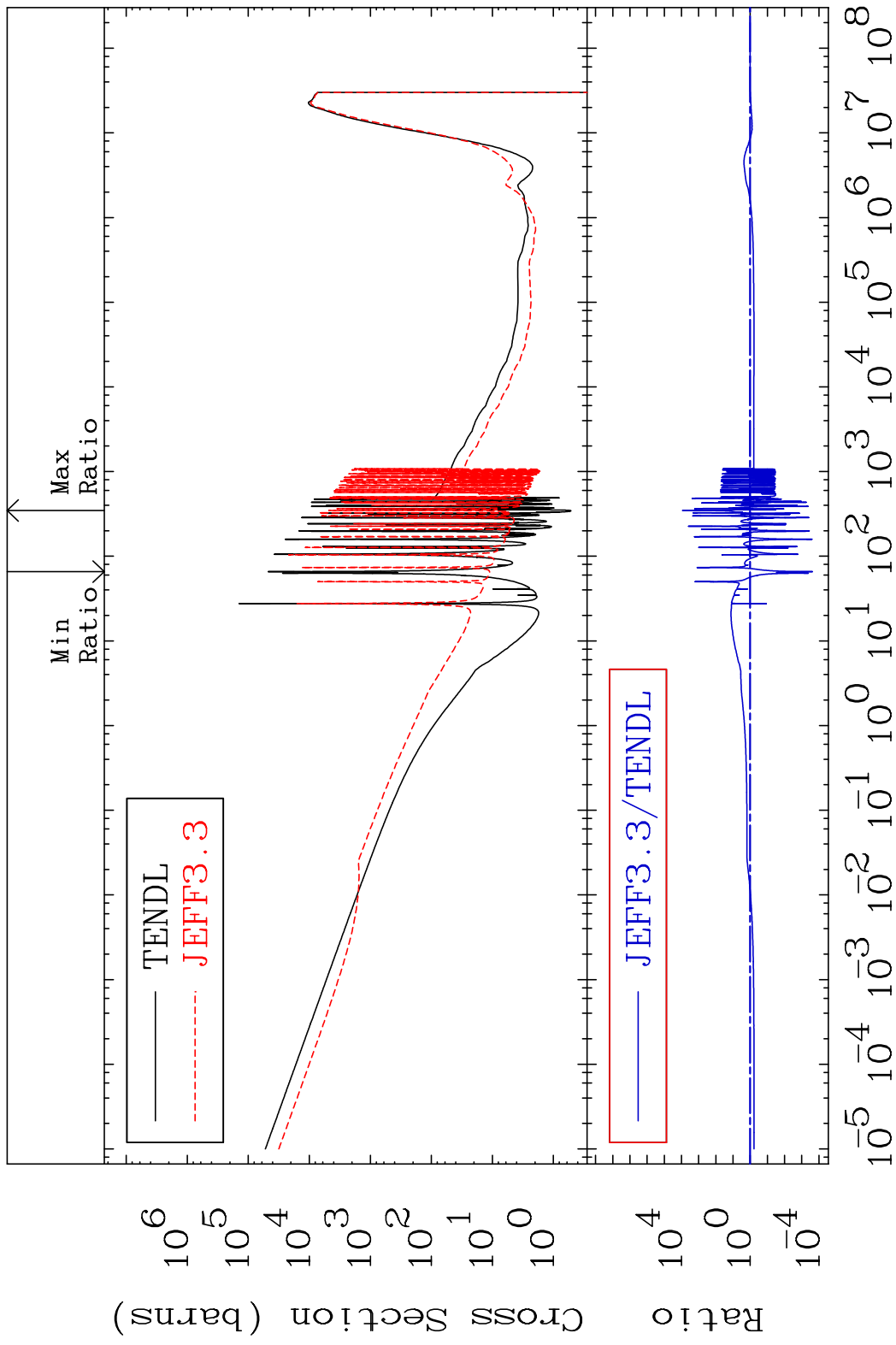
Incident Energy (eV)

78-Pt-190

MAT 7825 Dpa inelastic (mt51-91) 78-Pt-190
 Cross Section -100.0 To 6.215 %

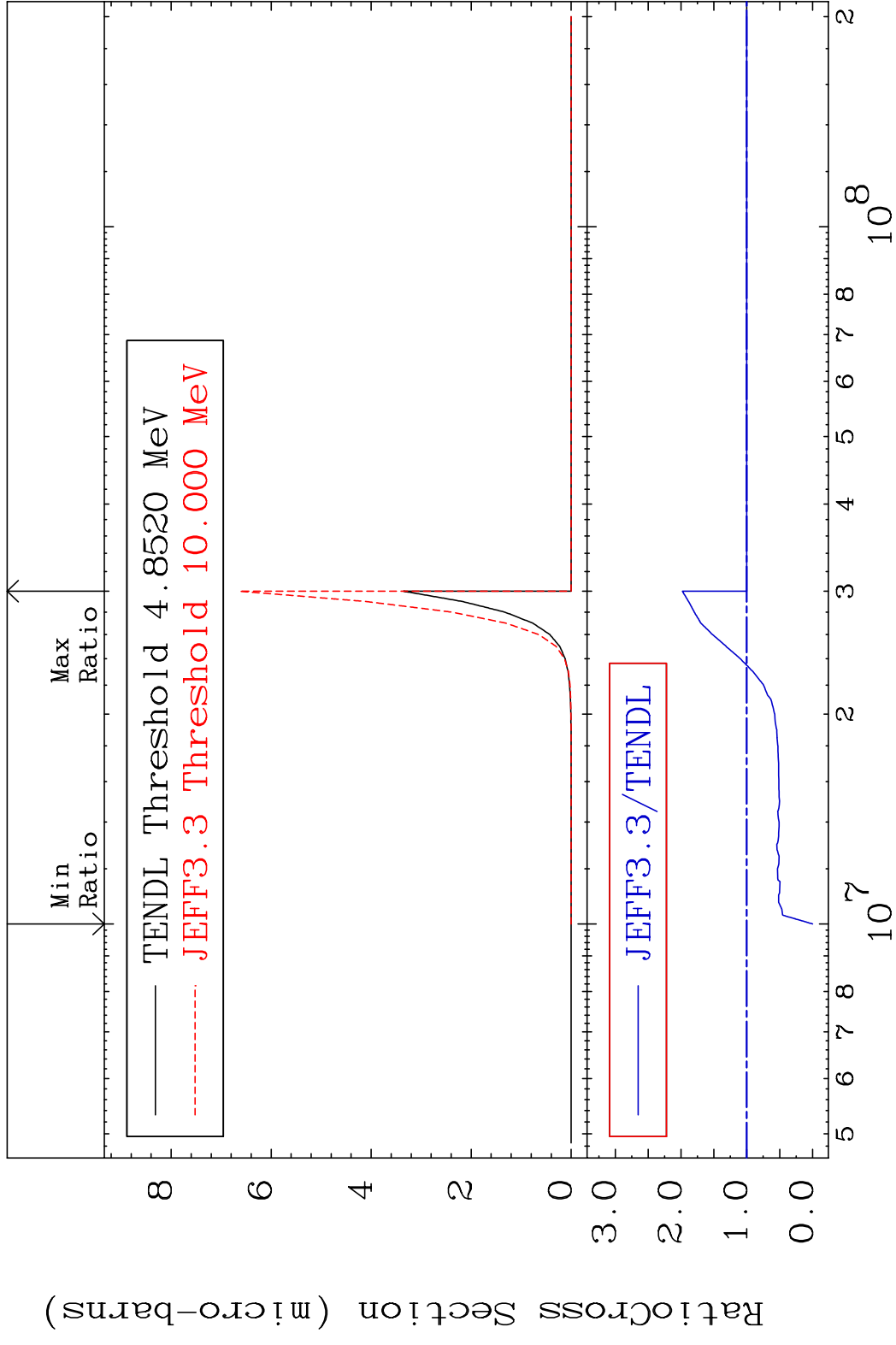


MAT 7825 Dpa disappearance (mt102 -120) 78-Pt-190
 Cross Section -99.98 To 9999. %

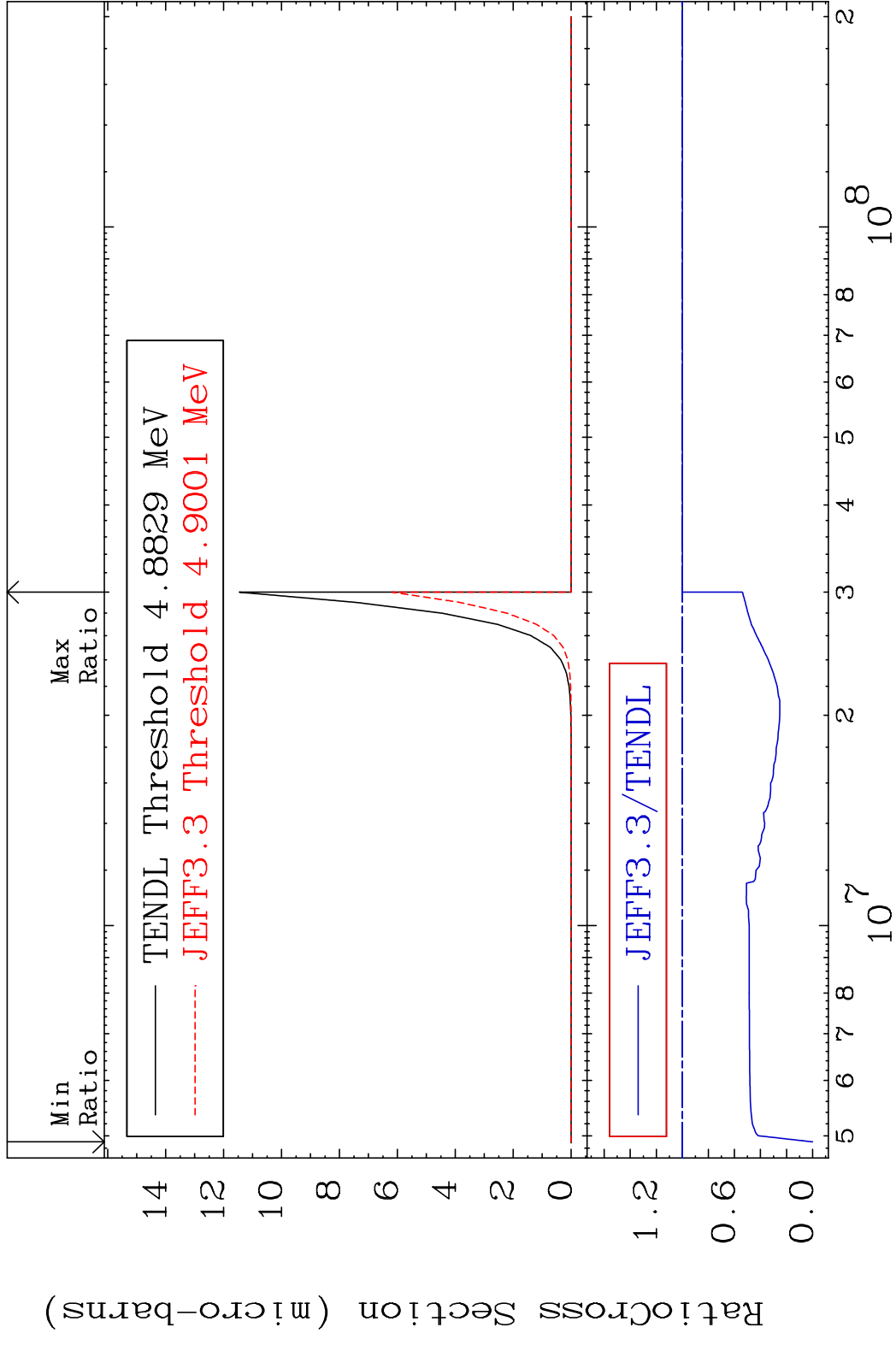


74 Incident Energy (eV) 78-Pt-190

MAT 7825 (n,2p):76-0s-189g 78-Pt-190
 Radionuclide Production Cross Section 189g to 97.98 %



MAT 7825 (n,2p):76-0s-189m1 78-Pt-190
 Radionuclide Production Cross Section 189m1 to 0.000 %



MAT 7825 (n,2p):76-0s-189m1 78-Pt-190
 Radionuclide Production Cross Section 189m1 0.000 %

