

Program Complot
(Version 2021-1)

by

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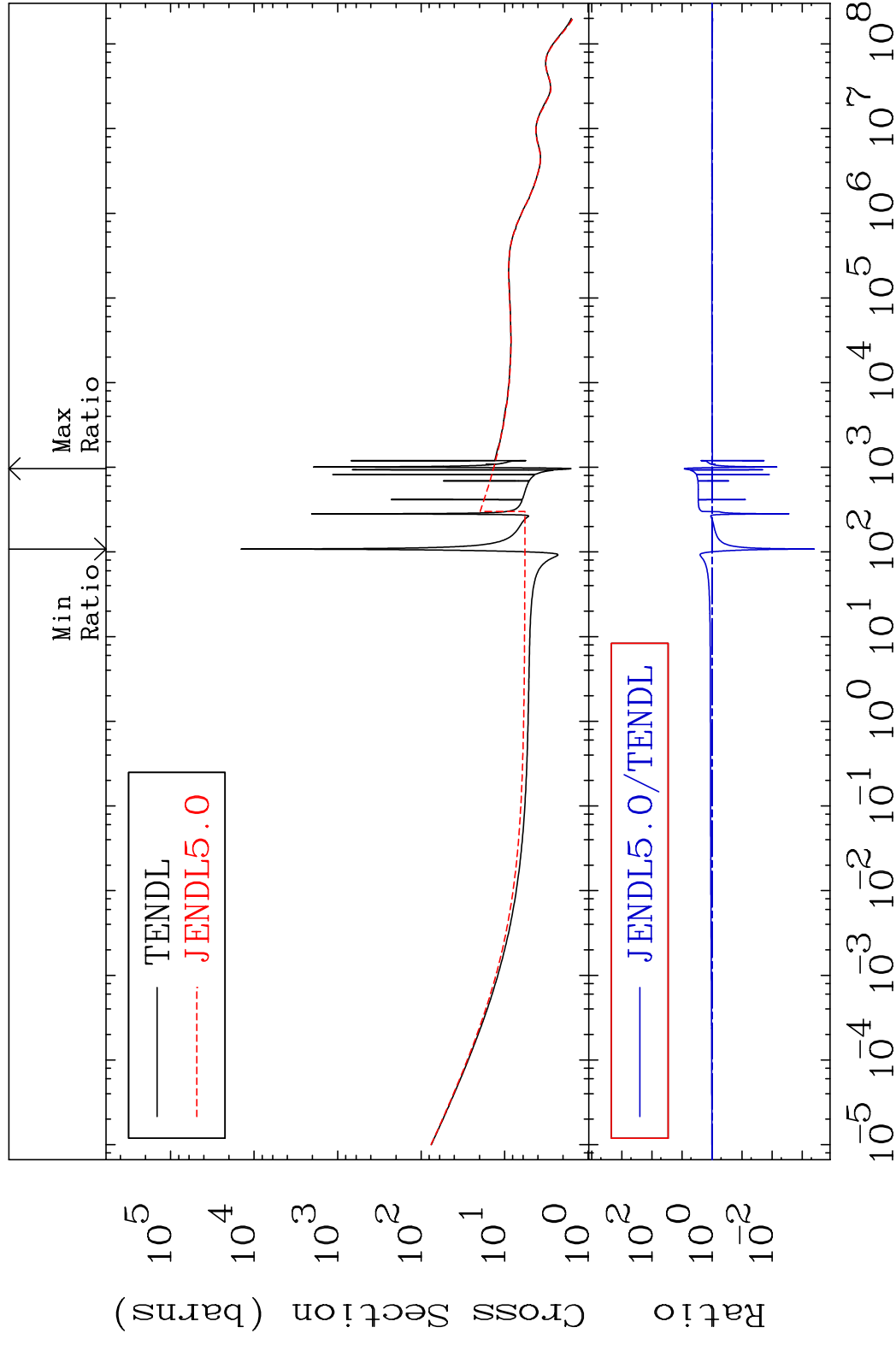
Press Mouse Button to Start

MAT 3931

Total

39-Y -91

Cross Section -99.96 To 751.1 %



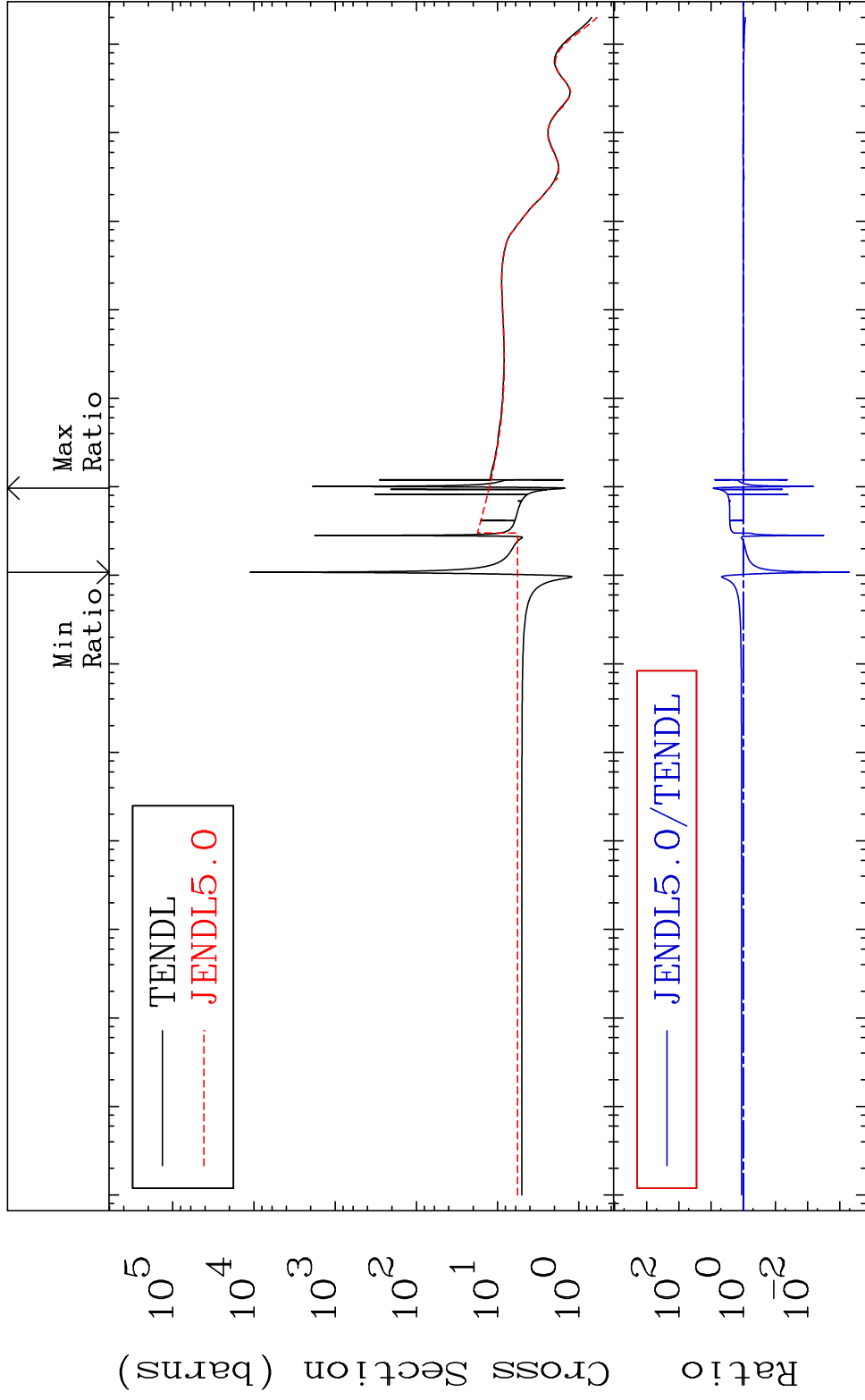
1	Incident Energy (eV)	39-Y -91
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MAT 3931

Elastic

39-Y -91

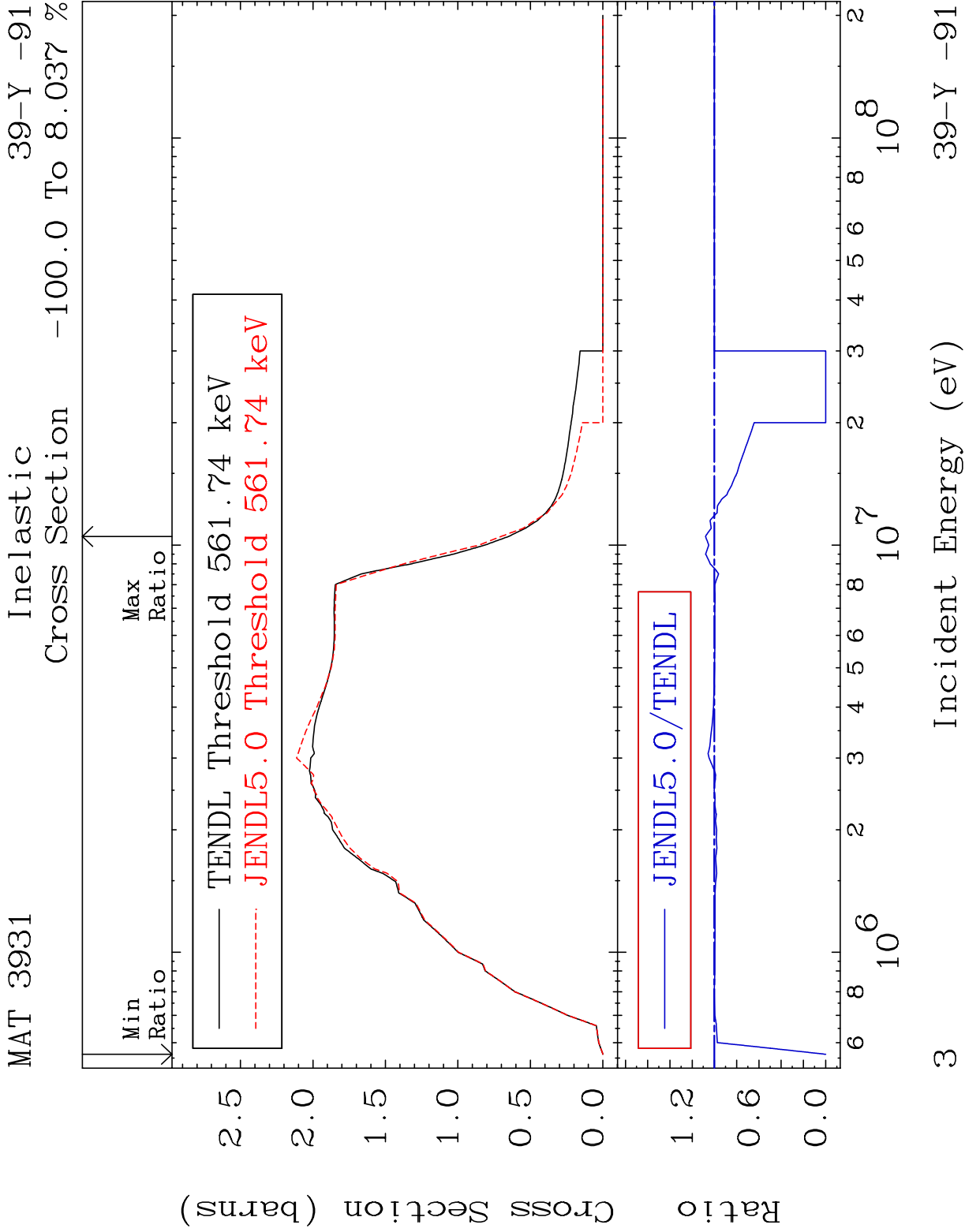
Cross Section -99.95 To 760.9 %

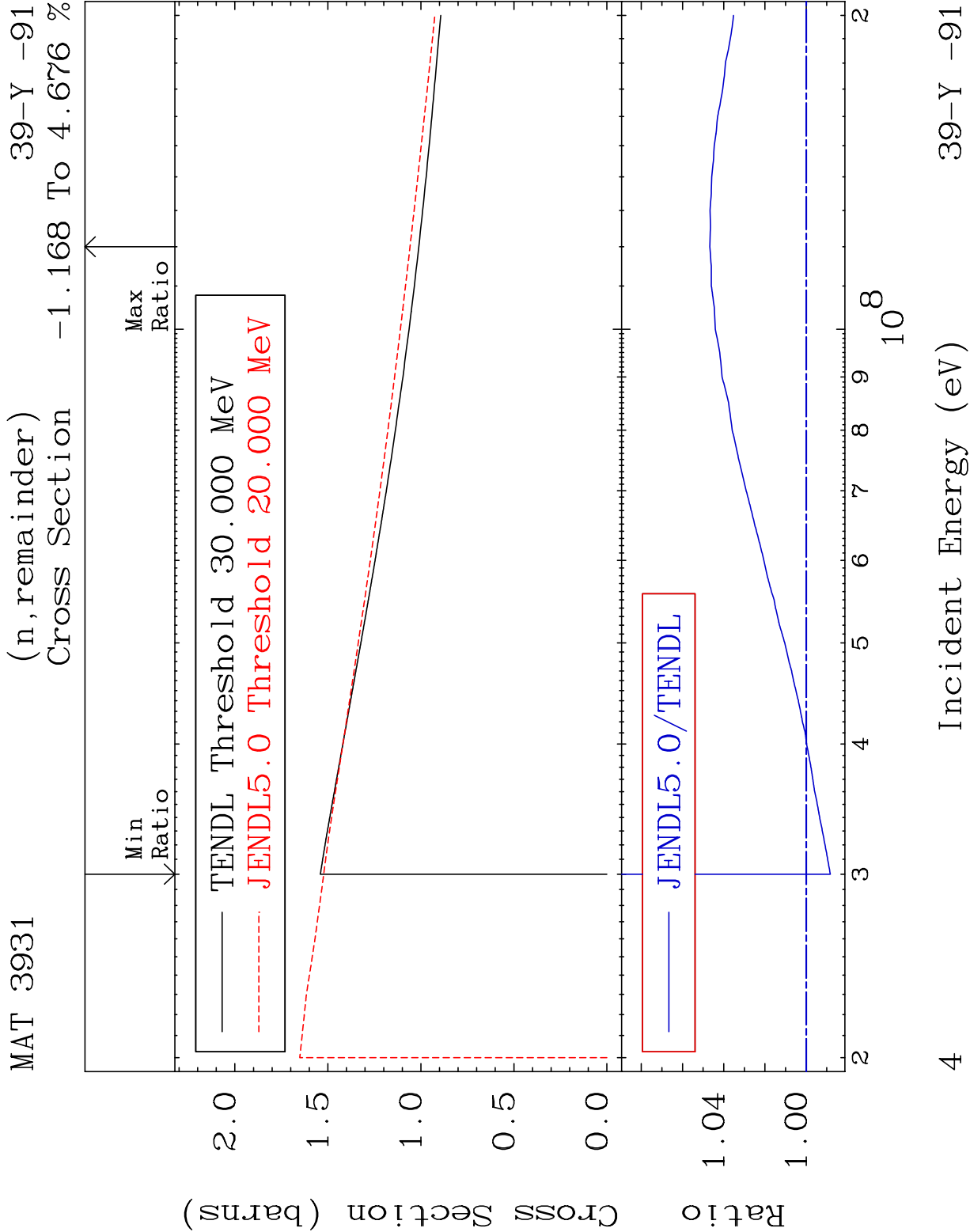


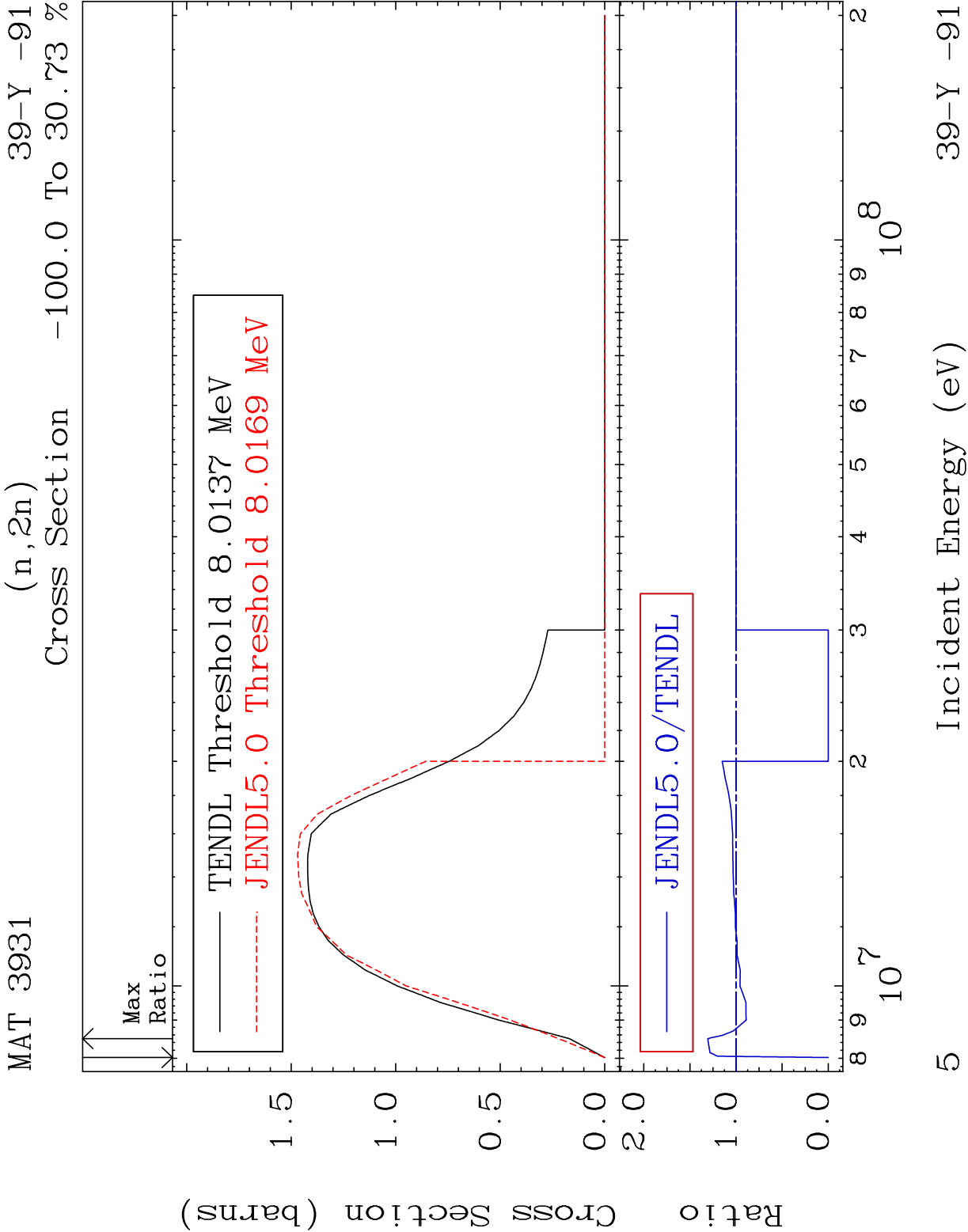
2

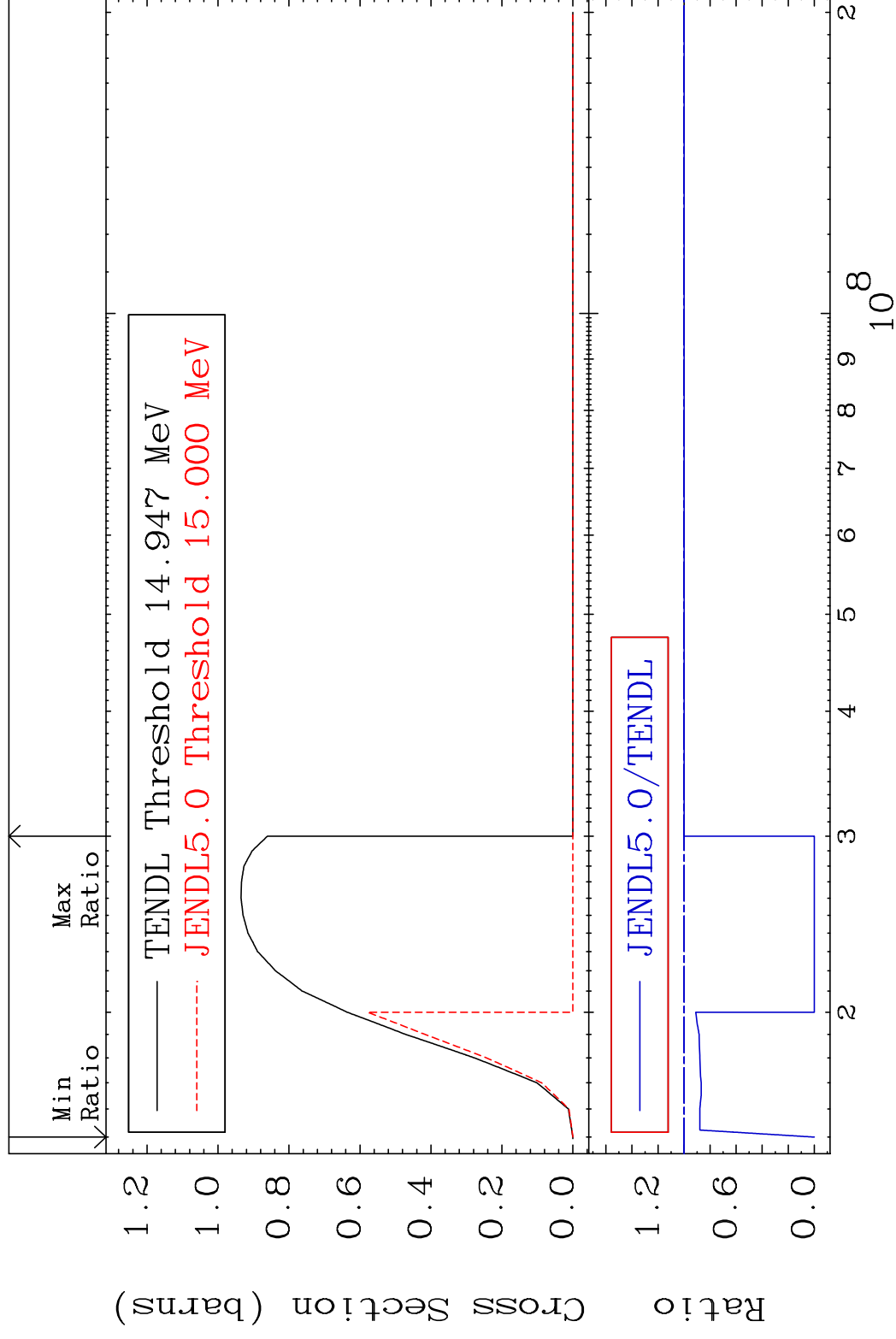
Incident Energy (eV)

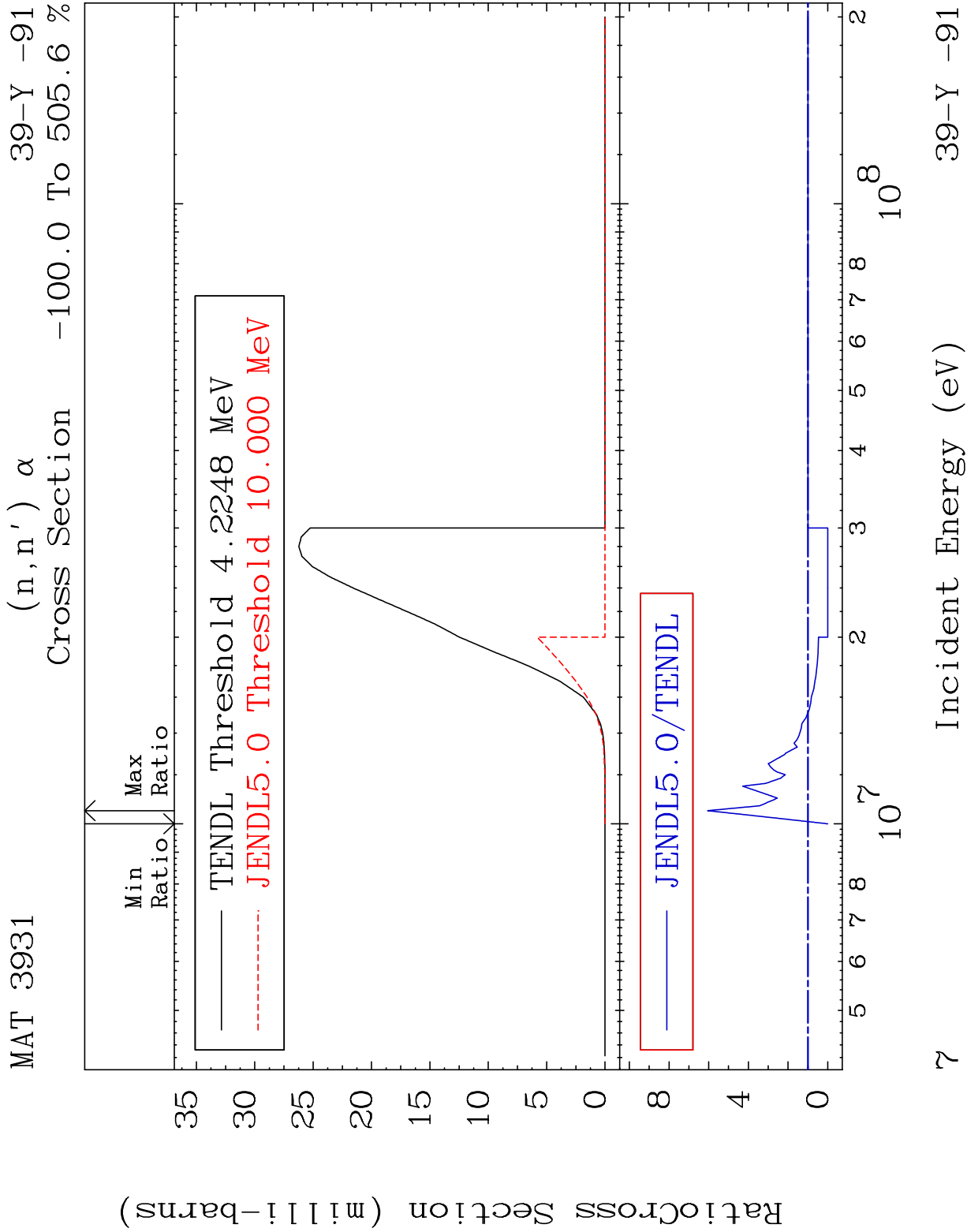
39-Y -91

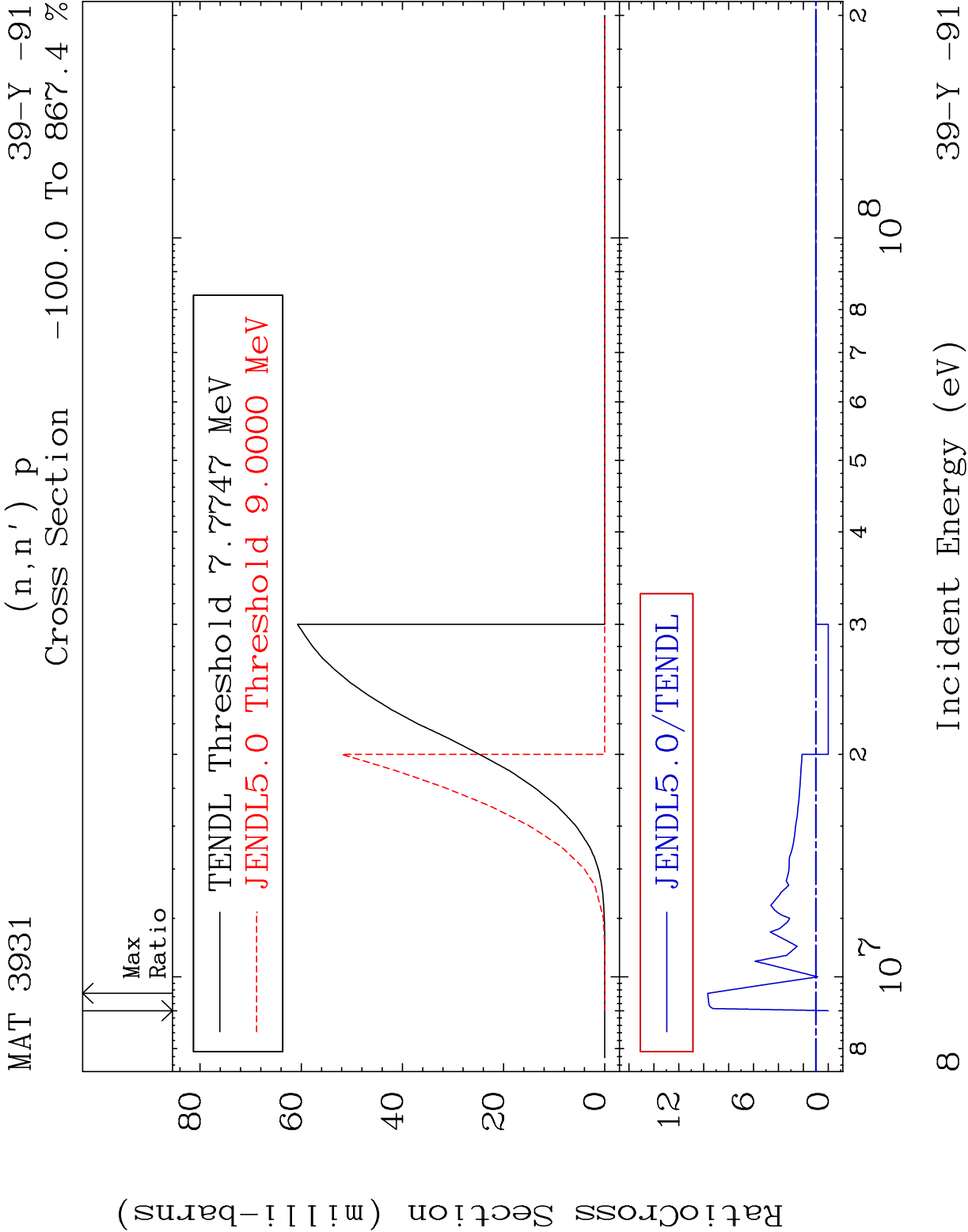


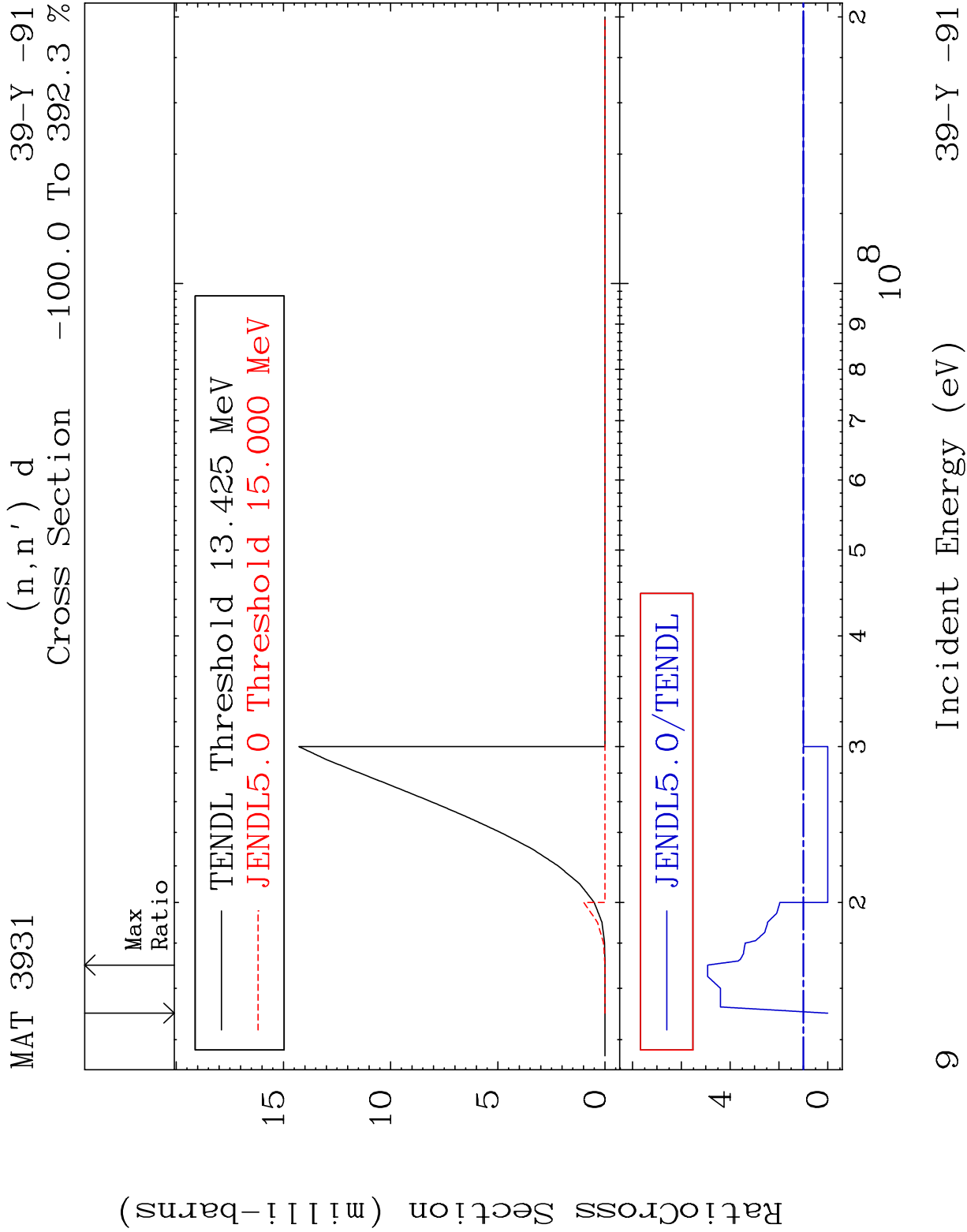






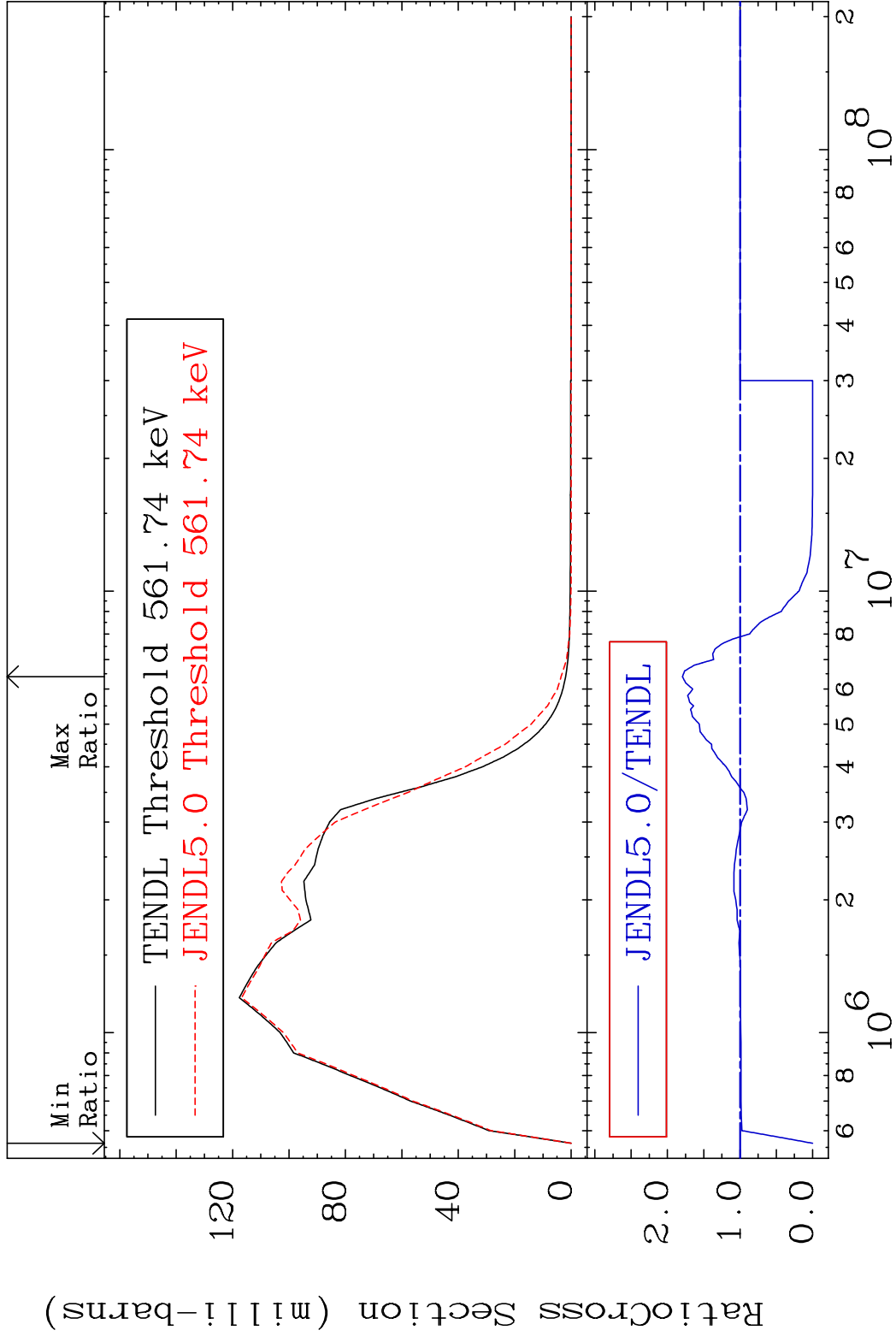






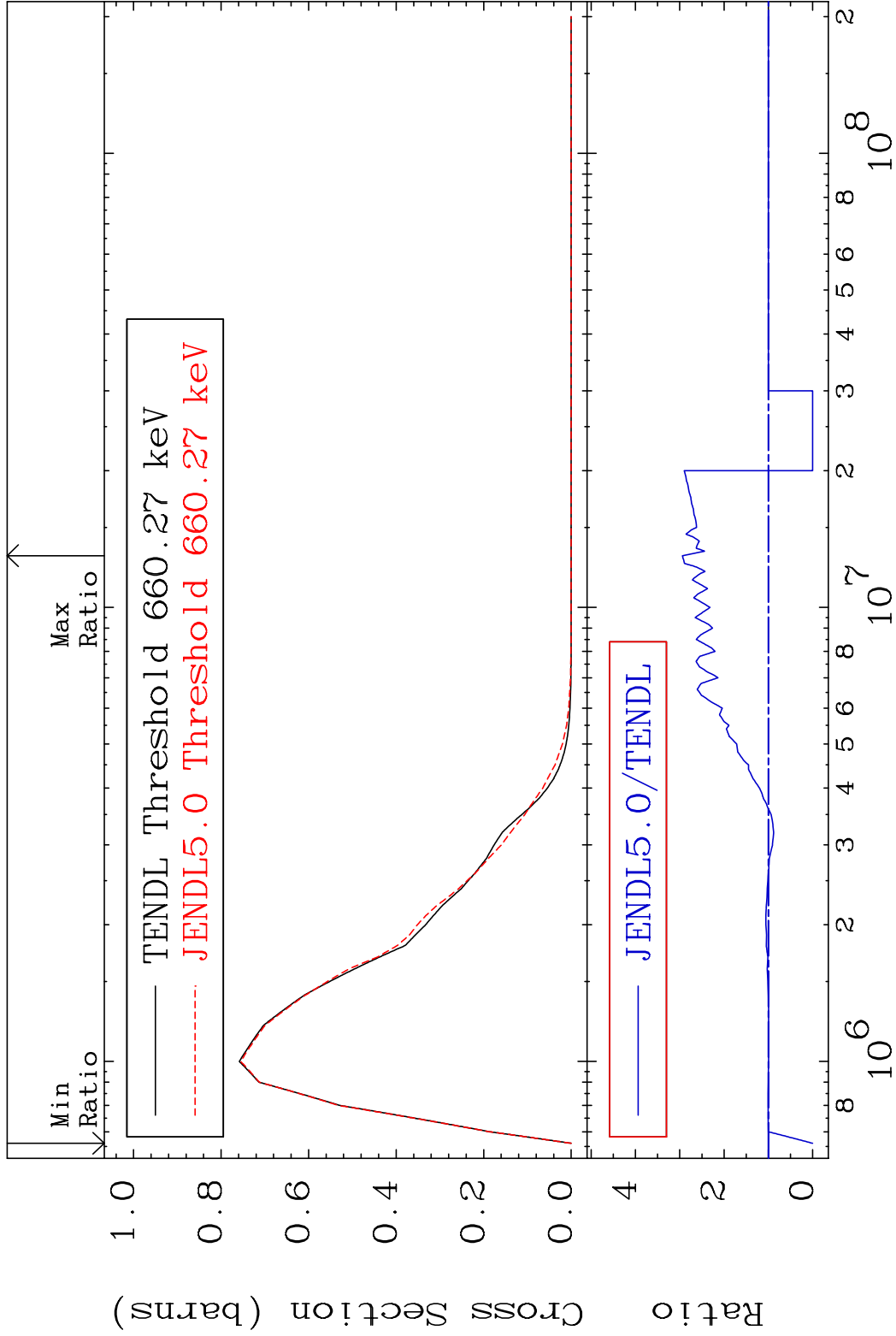
MAT 3931 MT= 51 (n,n') Level 39-Y -91

Cross Section -100.0 To 79.44 %



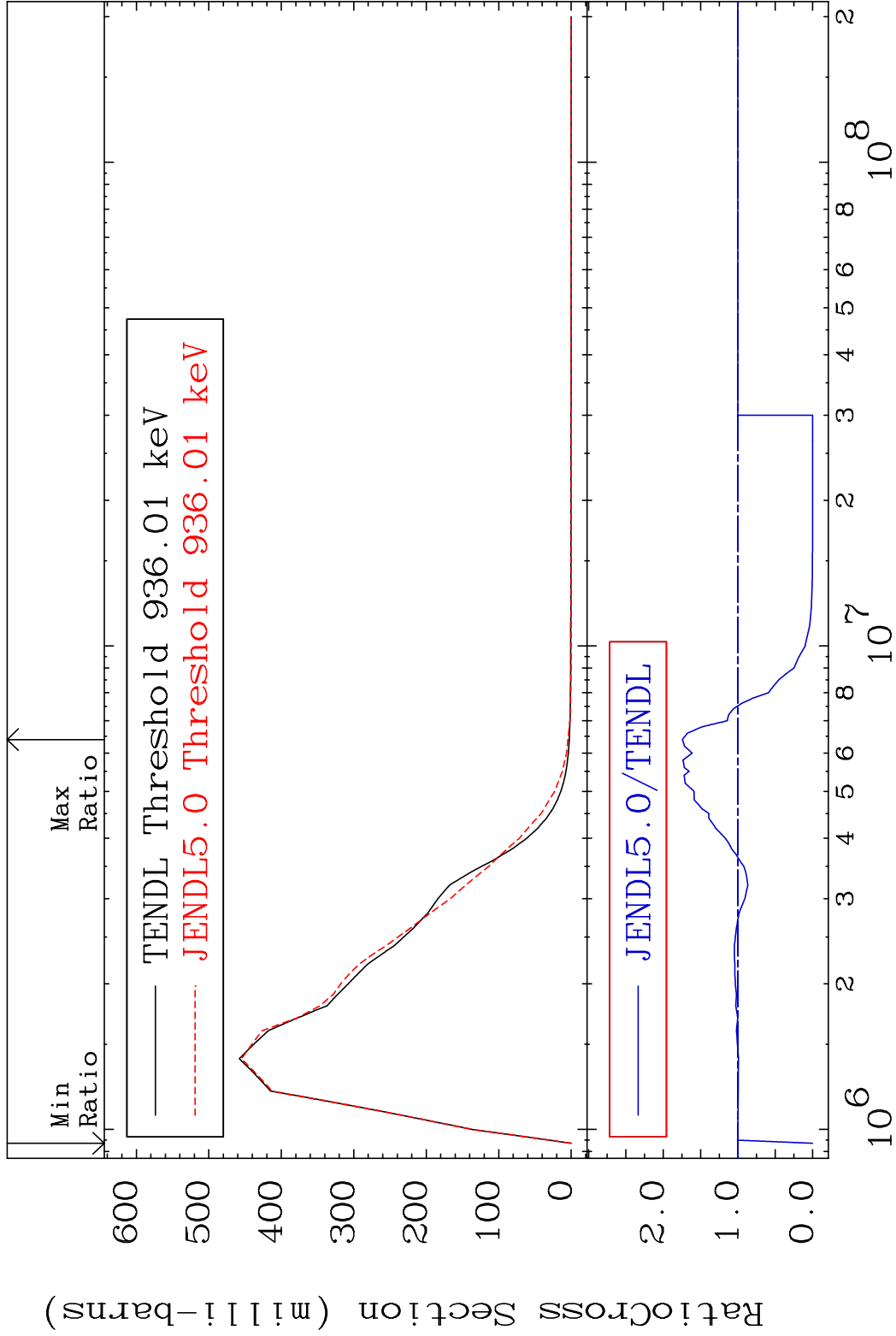
10 Incident Energy (eV) 39-Y -91

MAT 3931 MT= 52 (n,n') Level 39-Y -91
 Cross Section -100.0 To 194.1 %

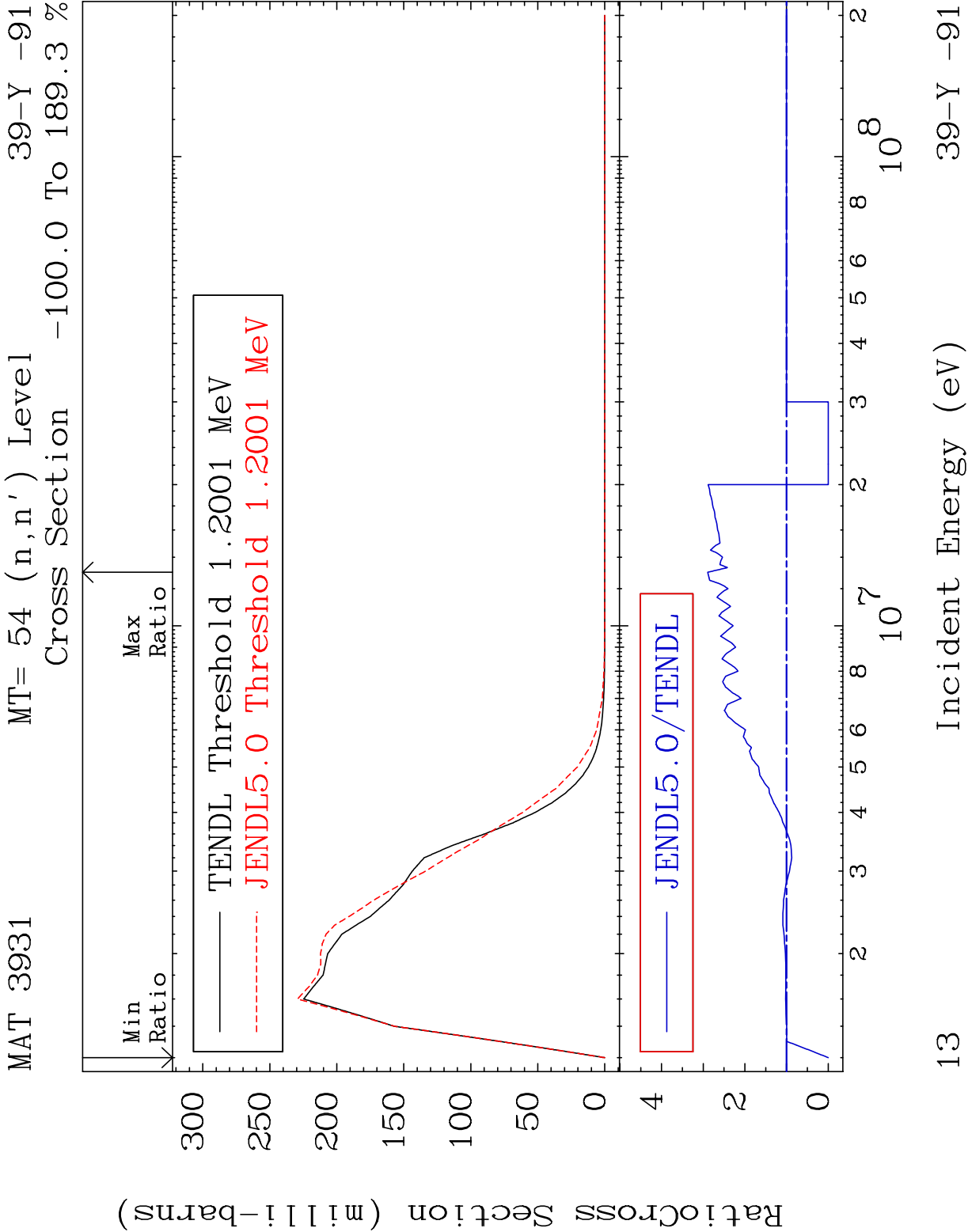


MAT 3931 MT= 53 (n,n') Level 39-Y -91

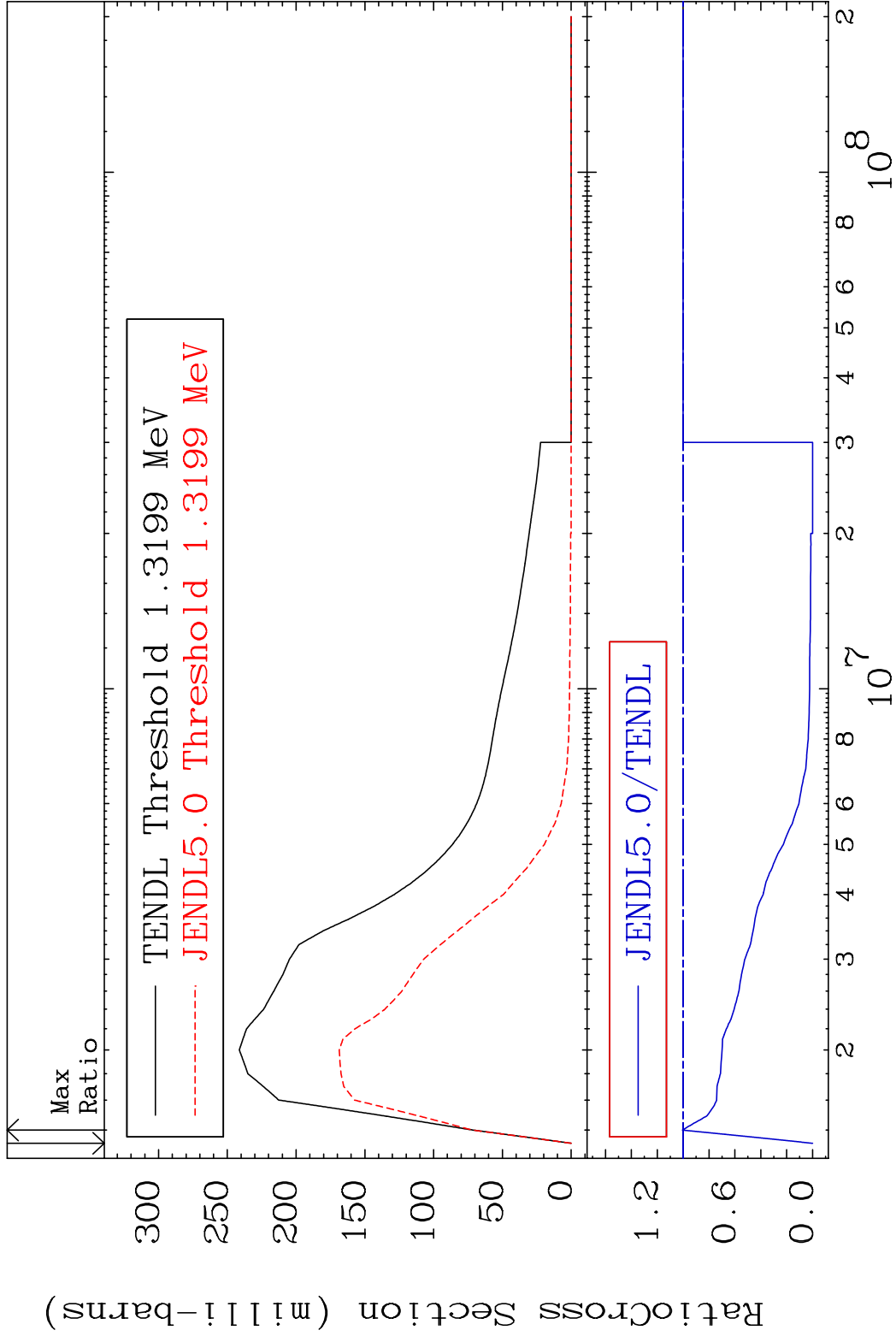
Cross Section -100.0 To 74.40 %

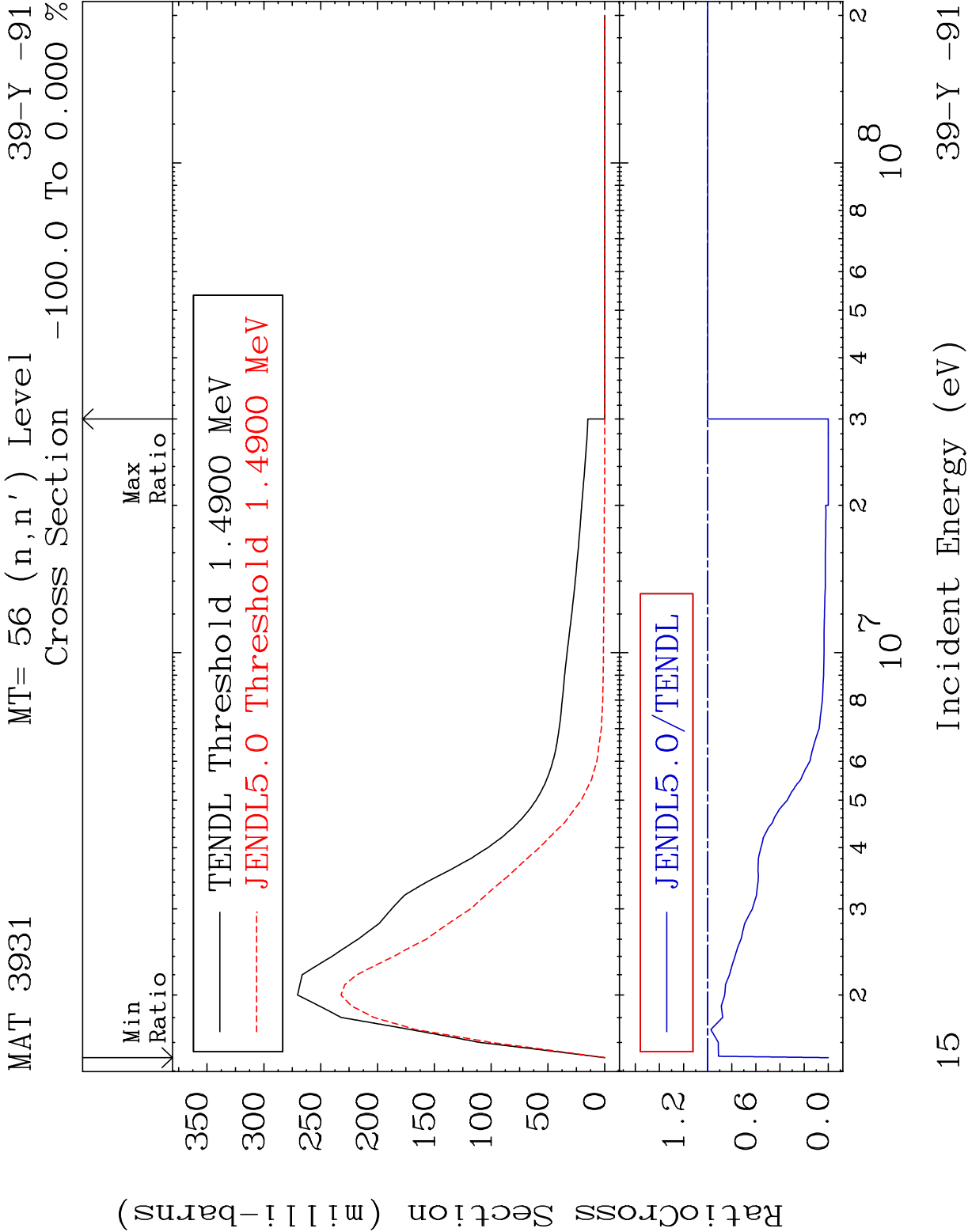


Incident Energy (eV) 39-Y -91

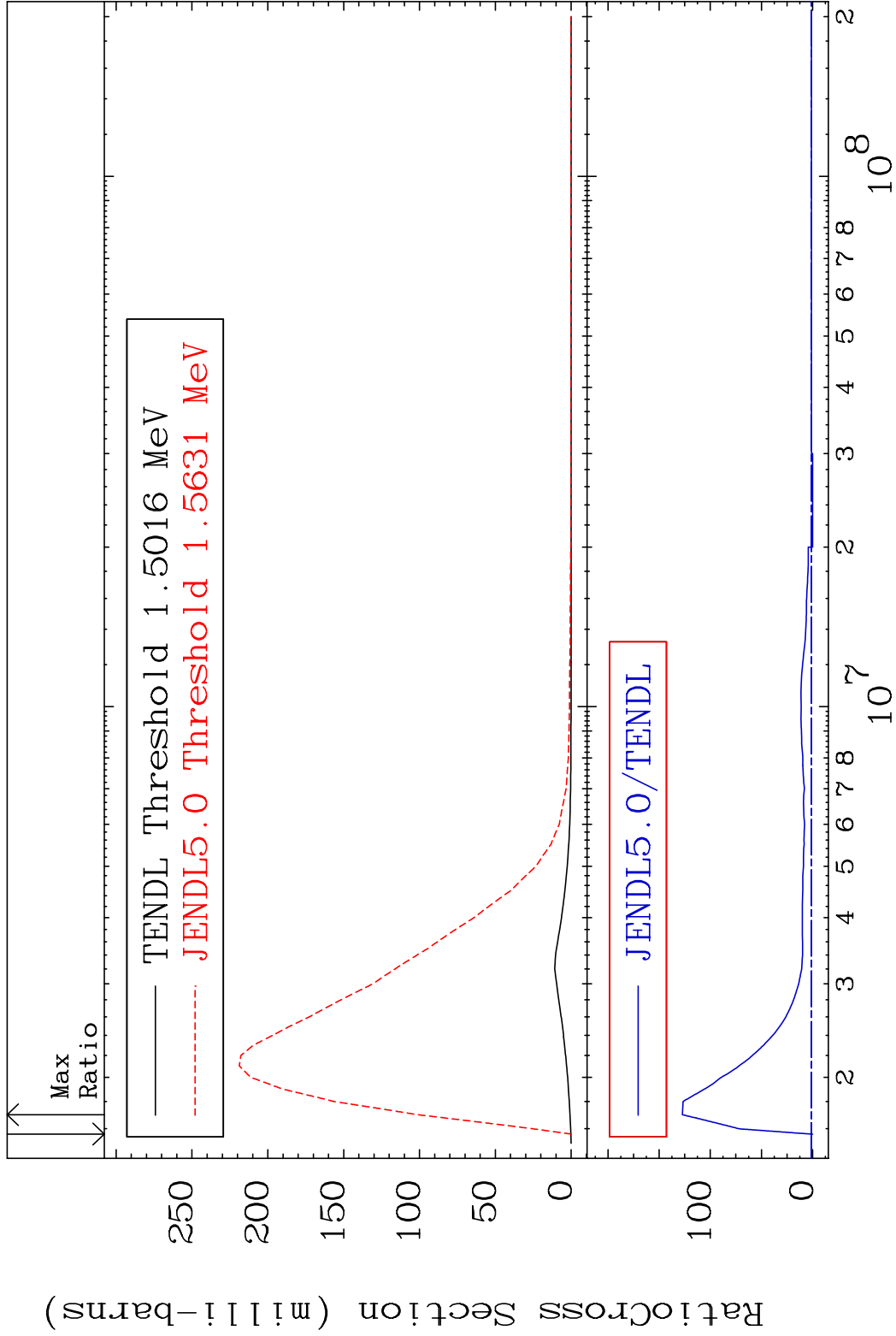


MAT 3931 MT= 55 (n,n') Level 39-Y -91
Cross Section -100.0 To 0.617 %

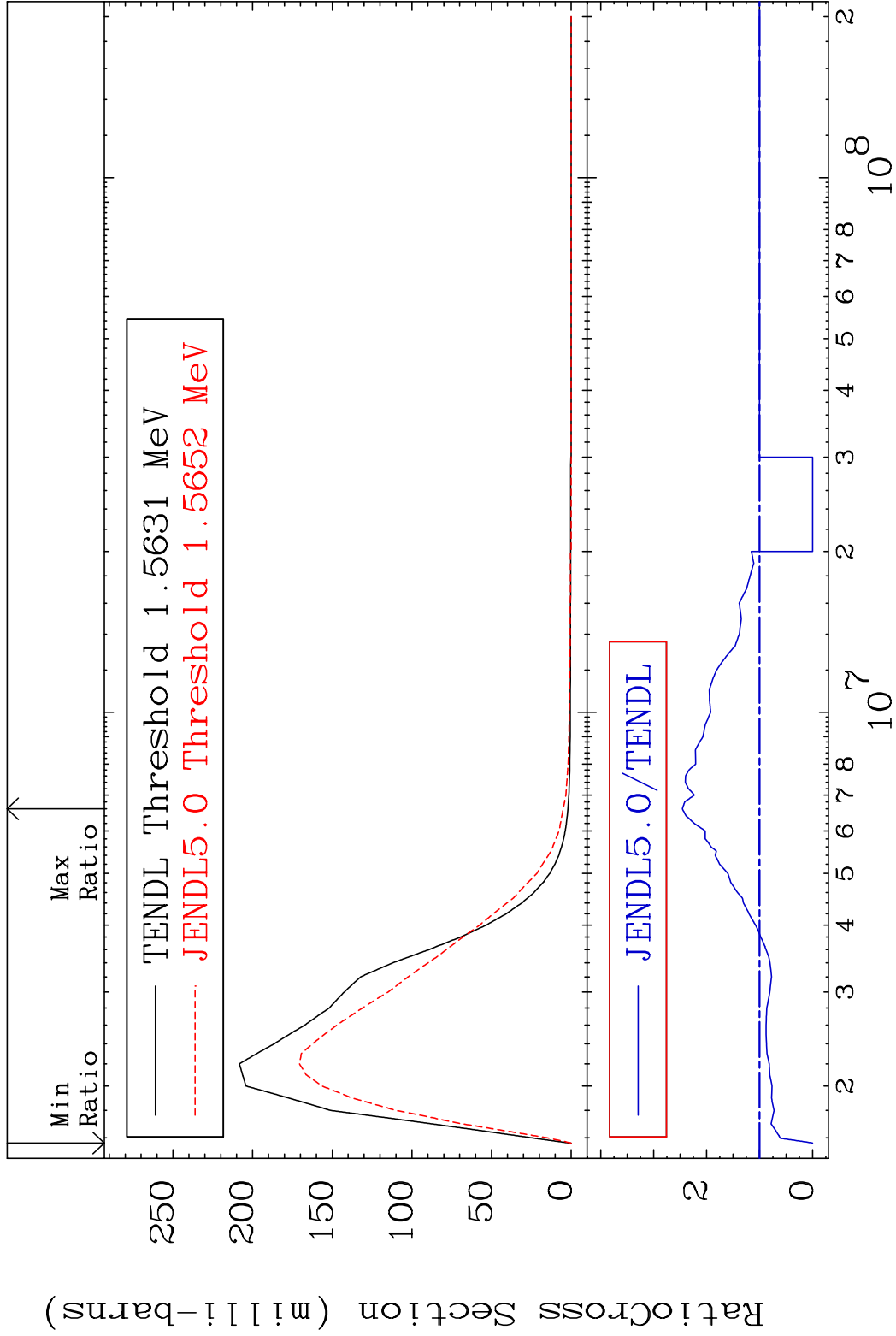


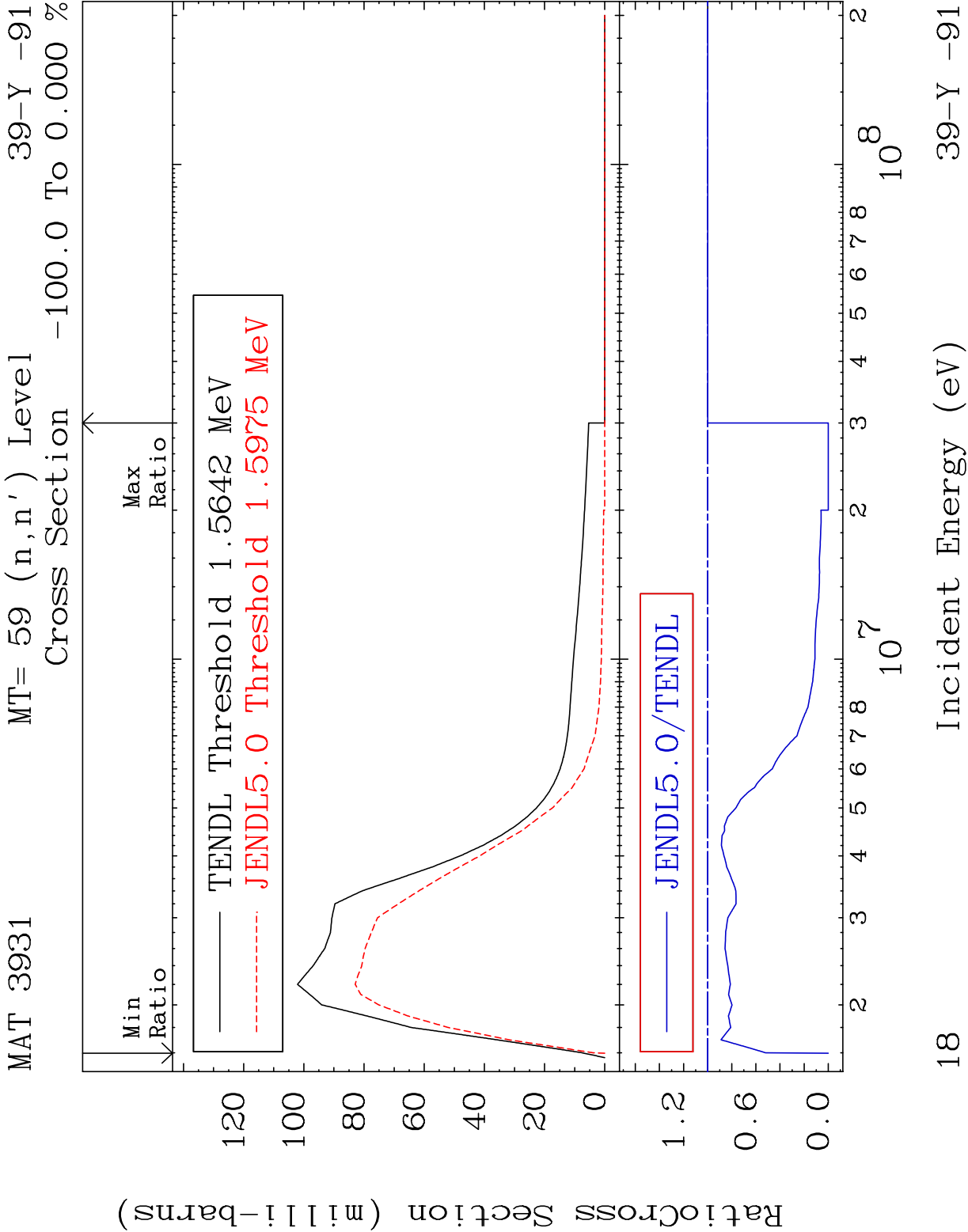


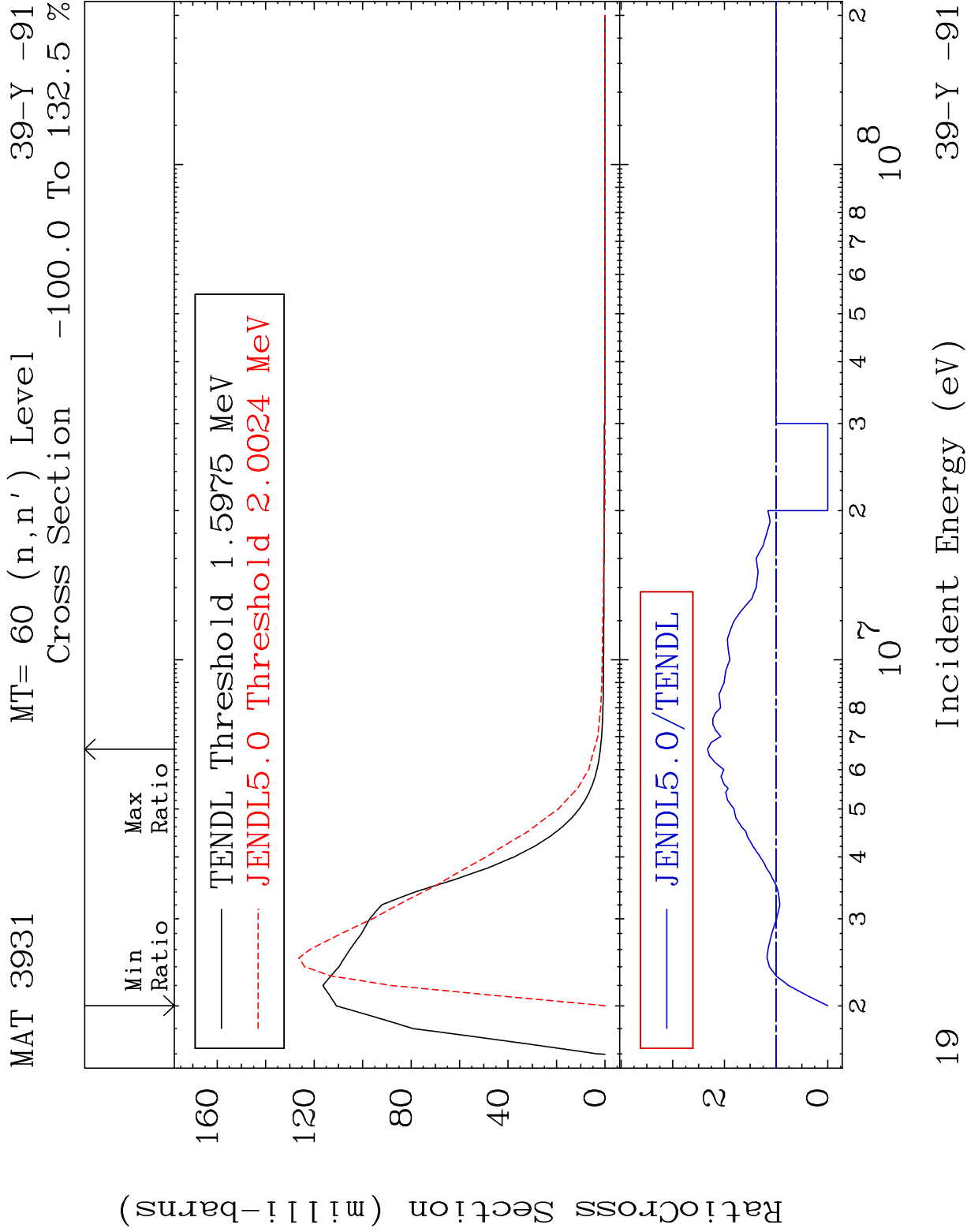
MAT 3931 MT= 57 (n,n') Level 39-Y -91
Cross Section -100.0 To 9999. %



MAT 3931 MT= 58 (n,n') Level 39-Y -91
Cross Section -100.0 To 145.8 %





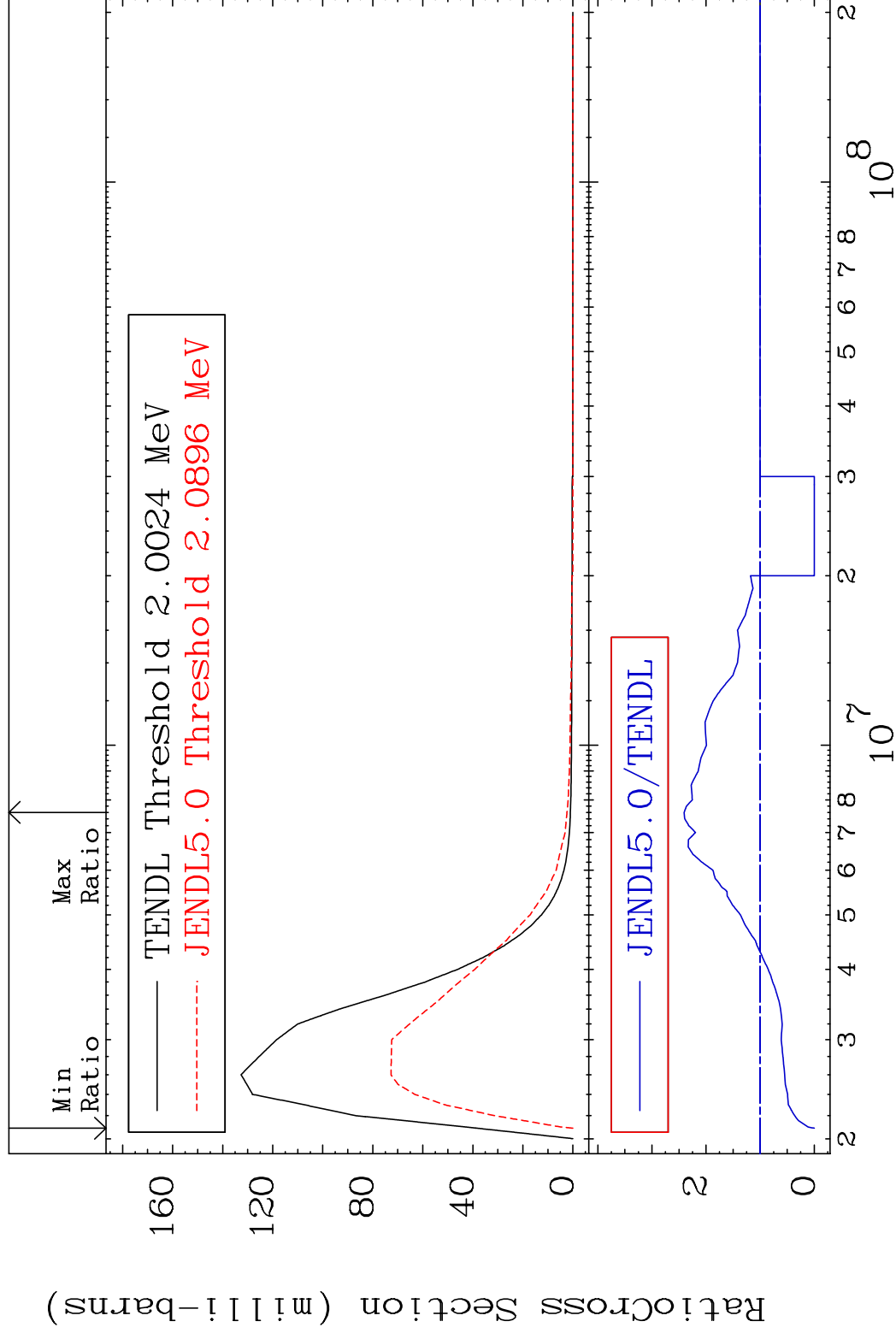


MAT 3931

MT= 61 (n, n') Level

39-Y -91

Cross Section

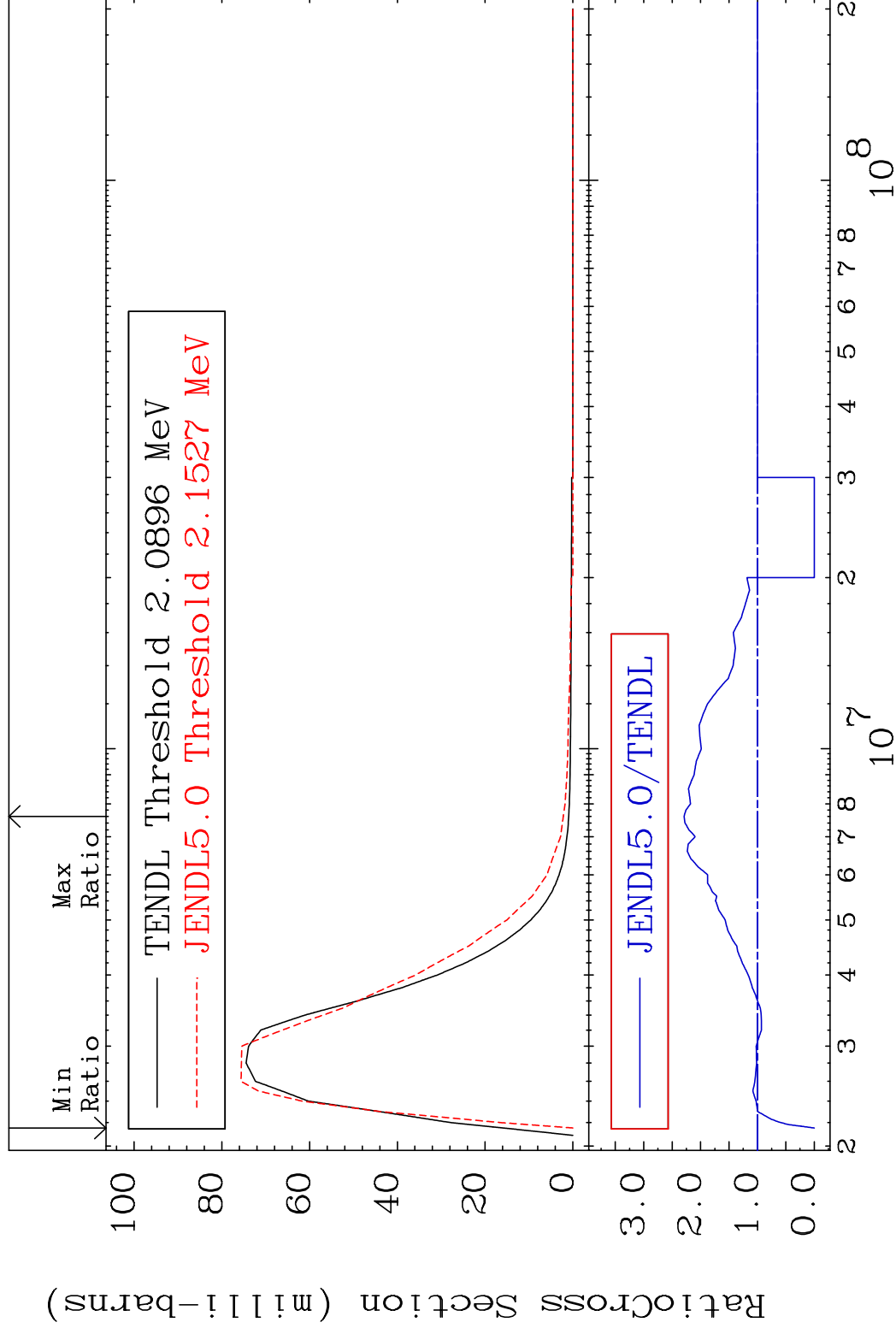


MAT 3931

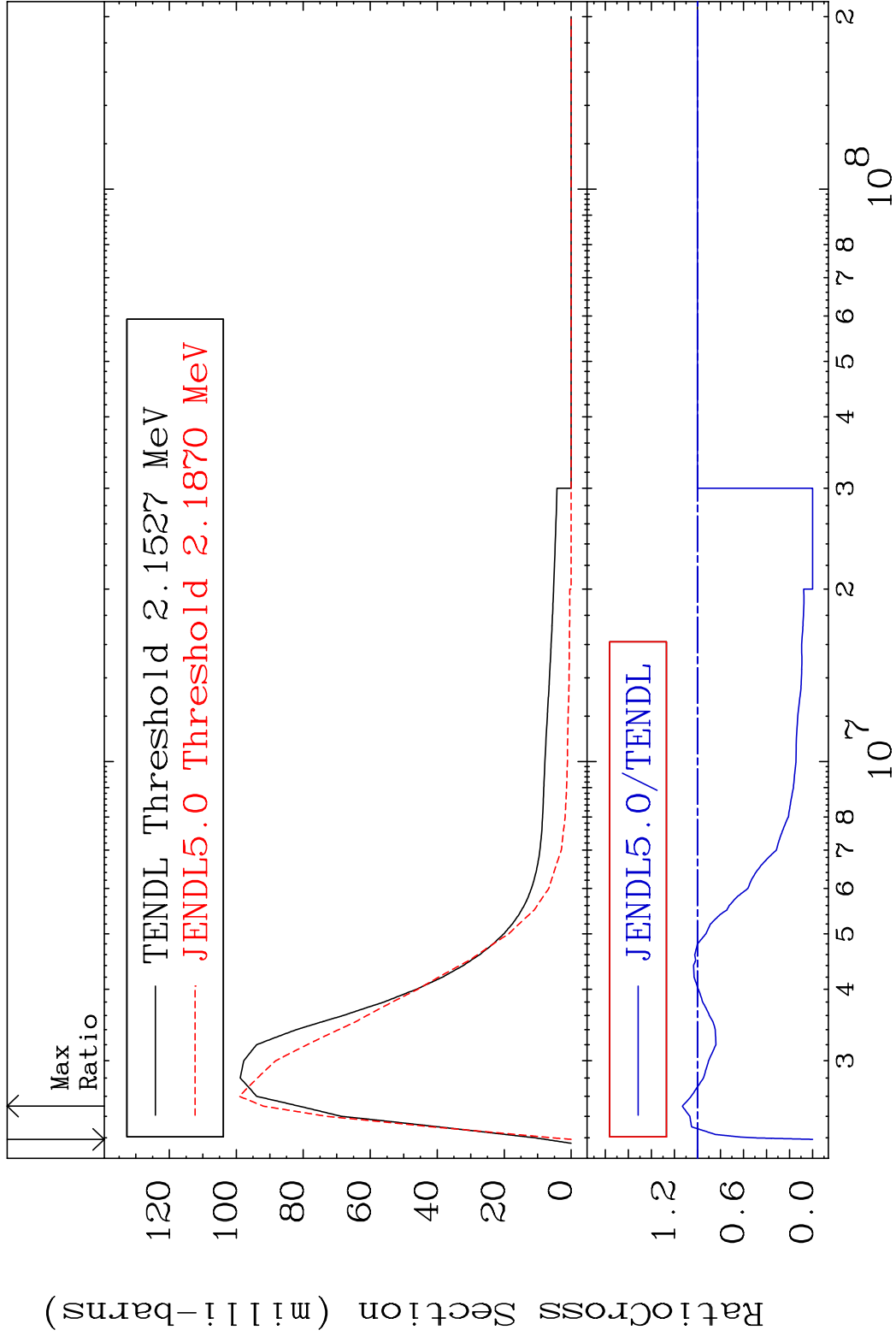
MT= 62 (n, n') Level

39-Y-91

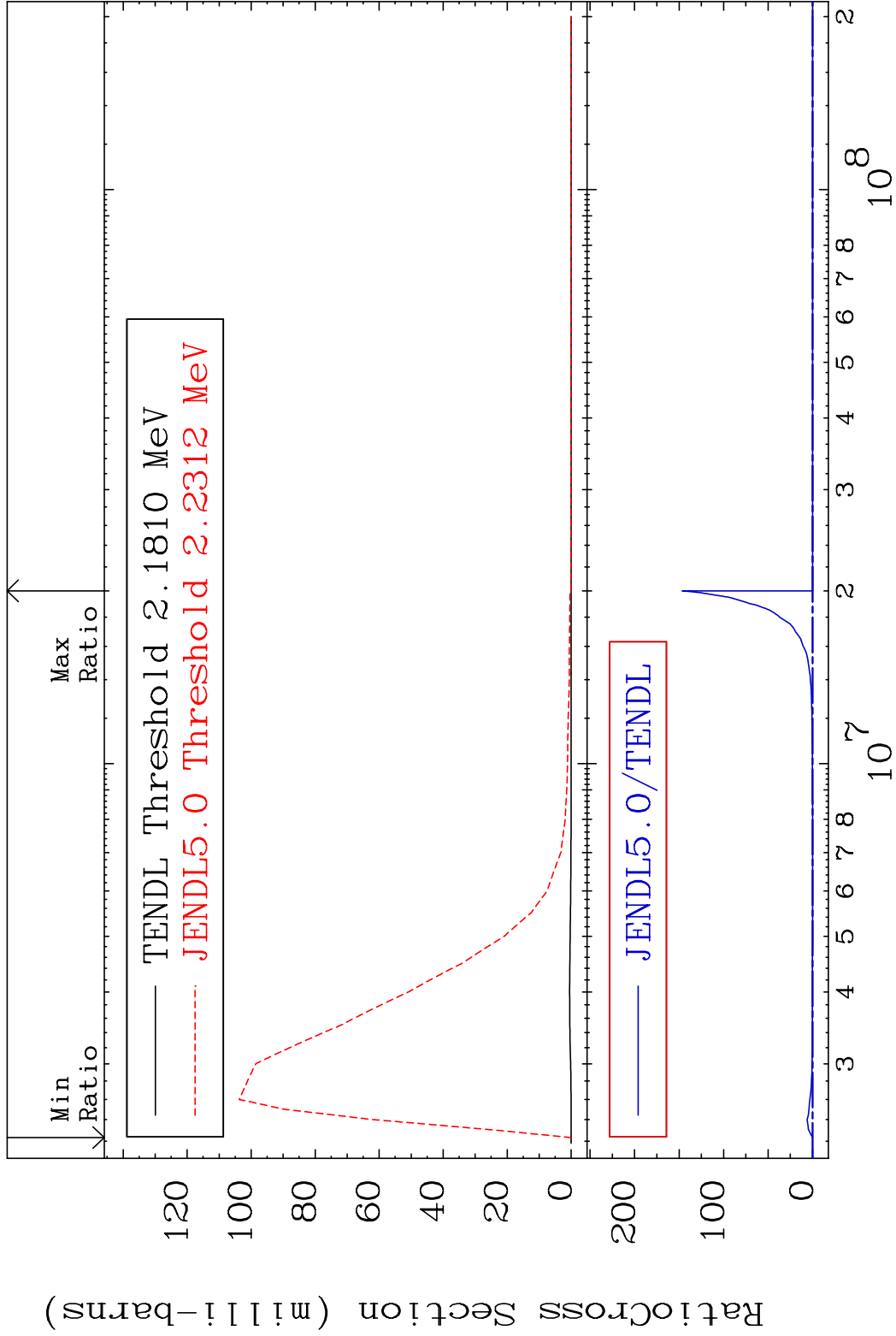
Cross Section	-100.0 To 129.0 %

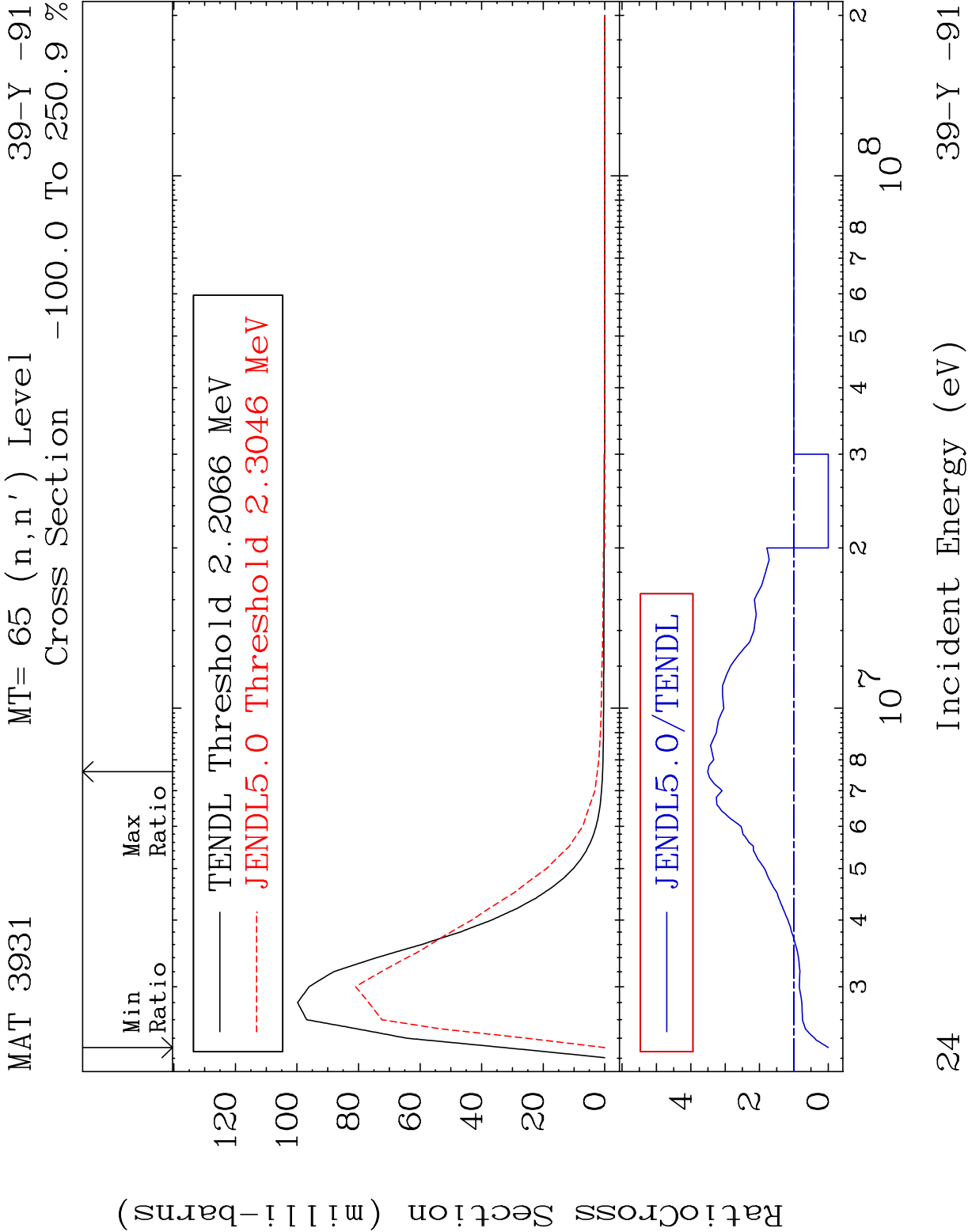


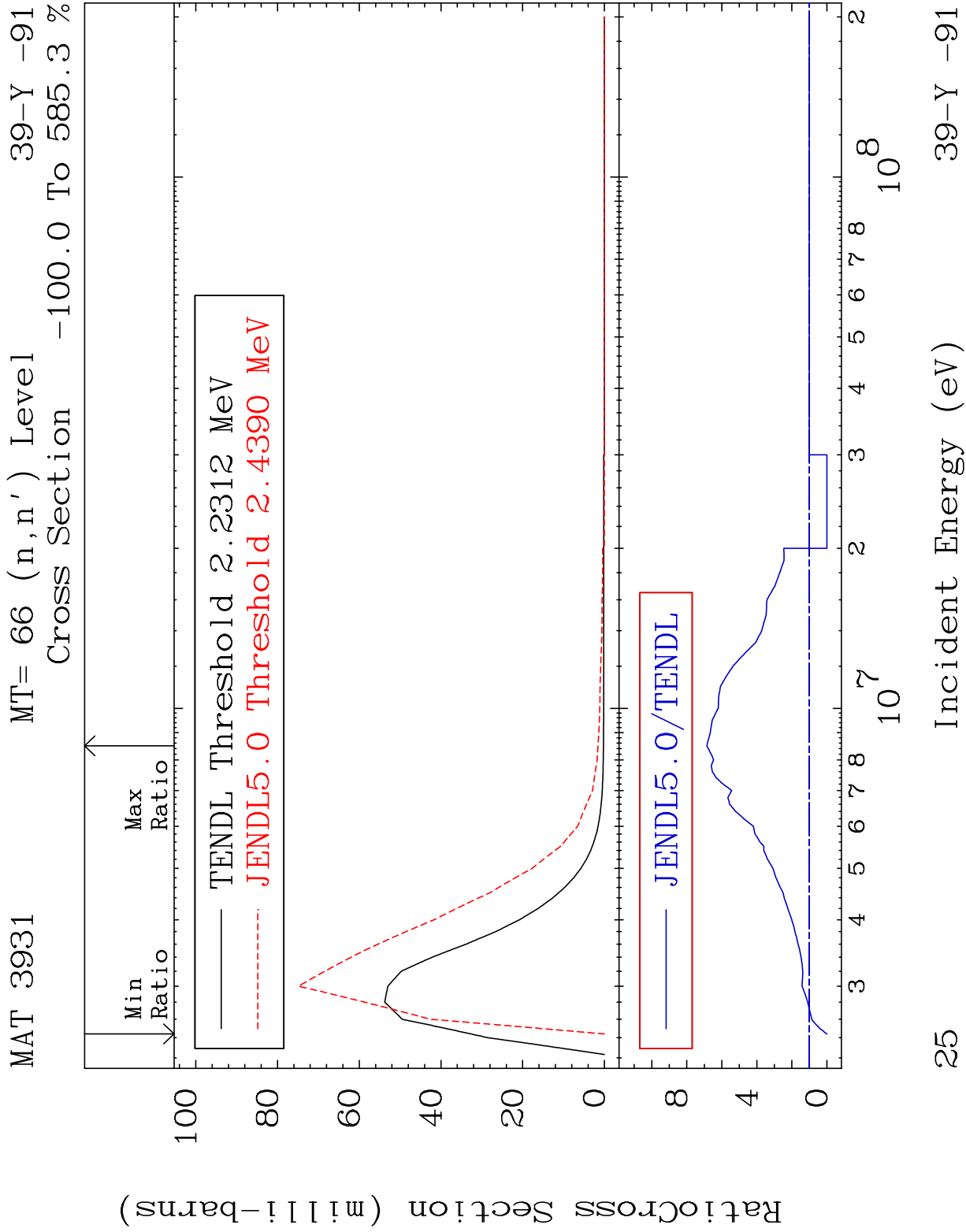
MAT 3931 MT= 63 (n,n') Level 39-Y -91
Cross Section -100.0 To 13.11 %



Cross Section -100.0 To 9999. %

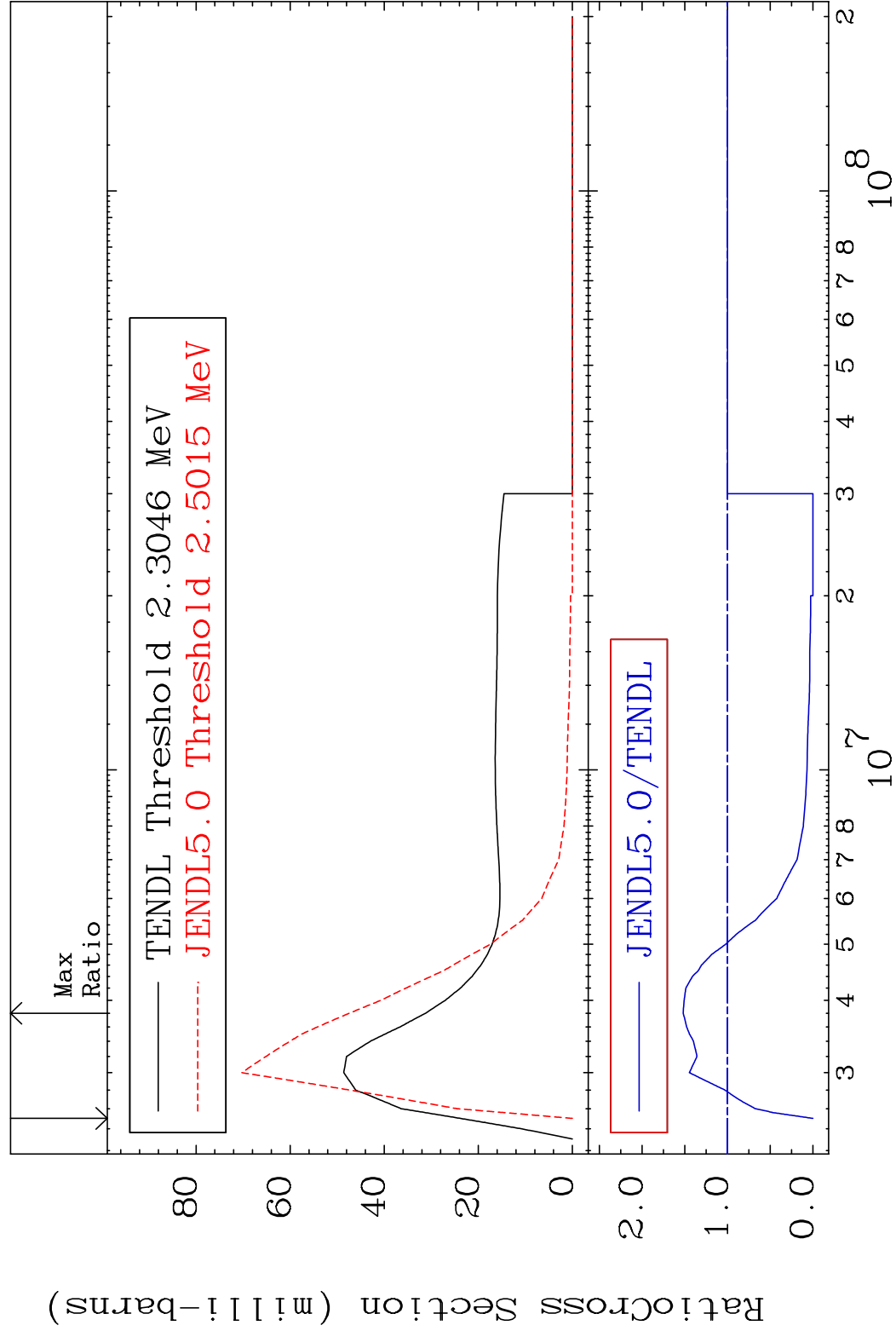


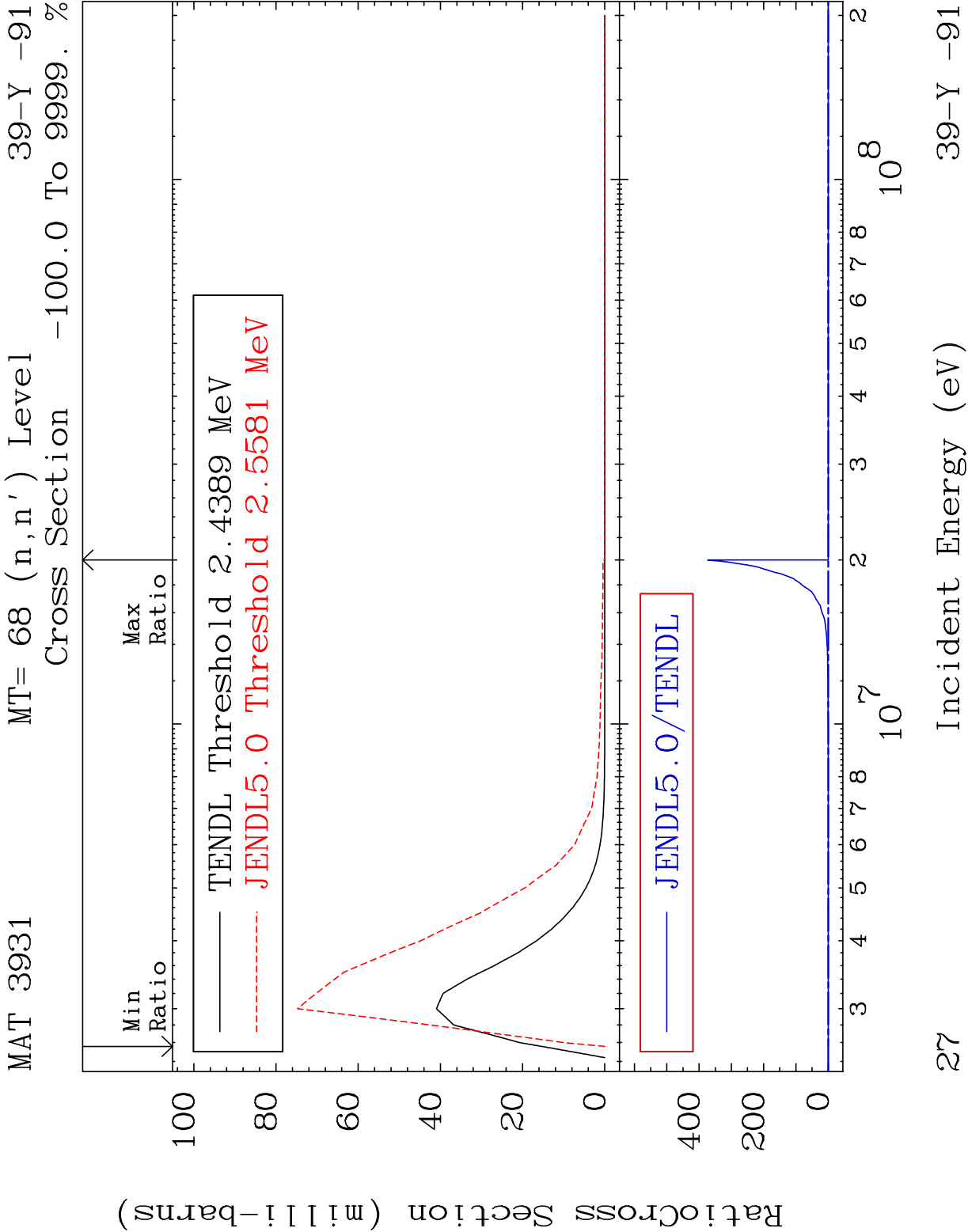


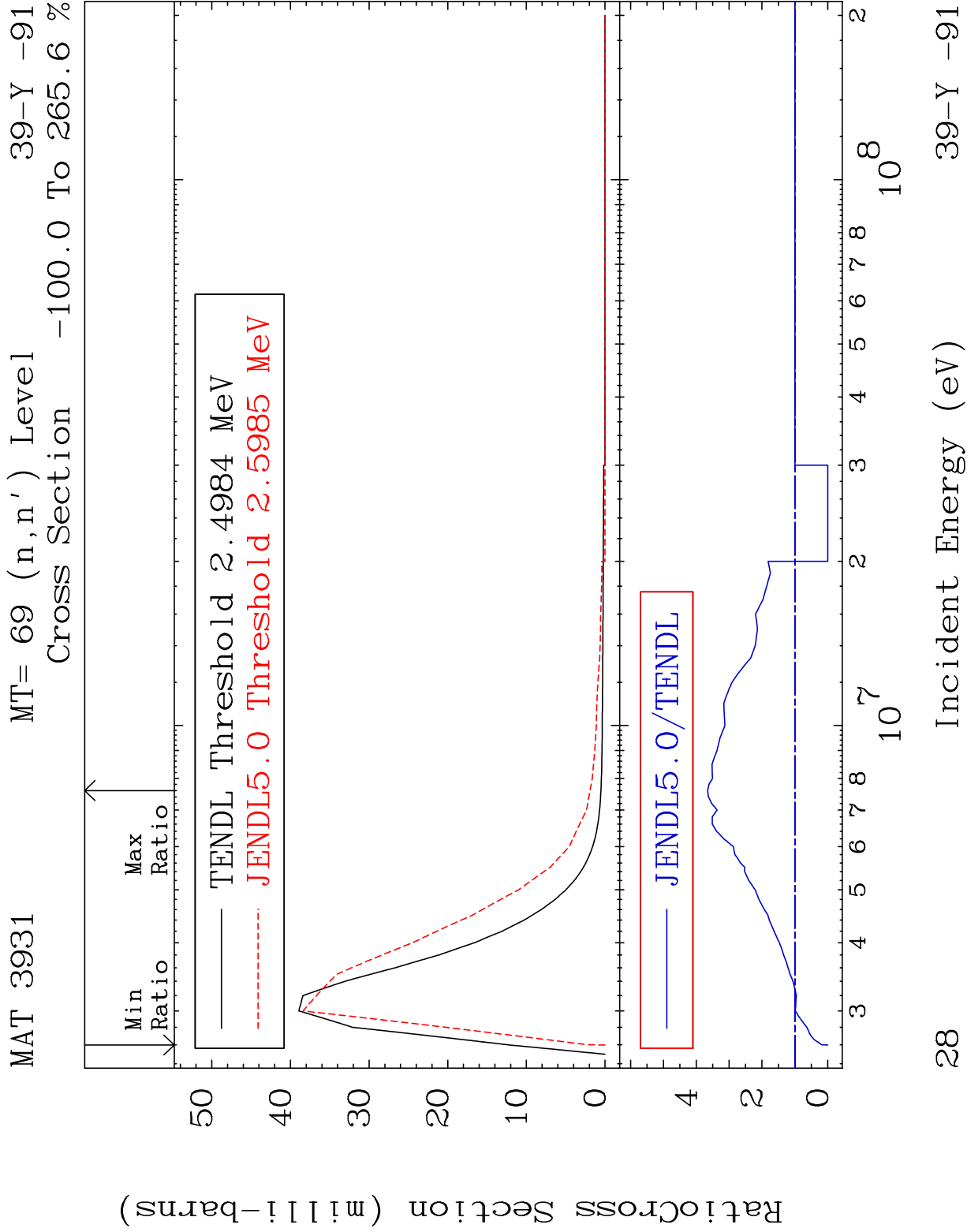


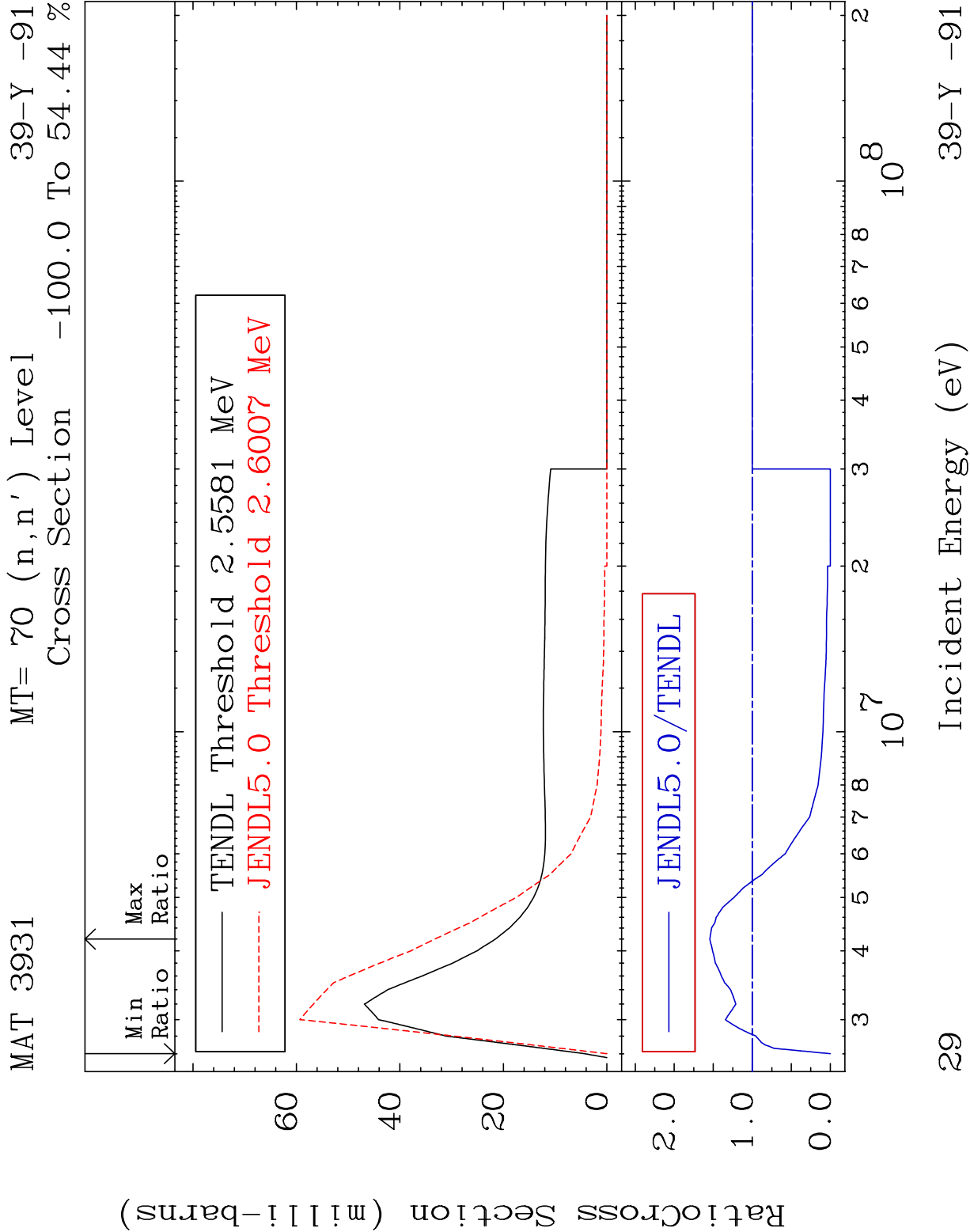
MAT 3931 MT= 67 (n,n') Level 39-Y -91

Cross Section -100.0 To 51.85 %



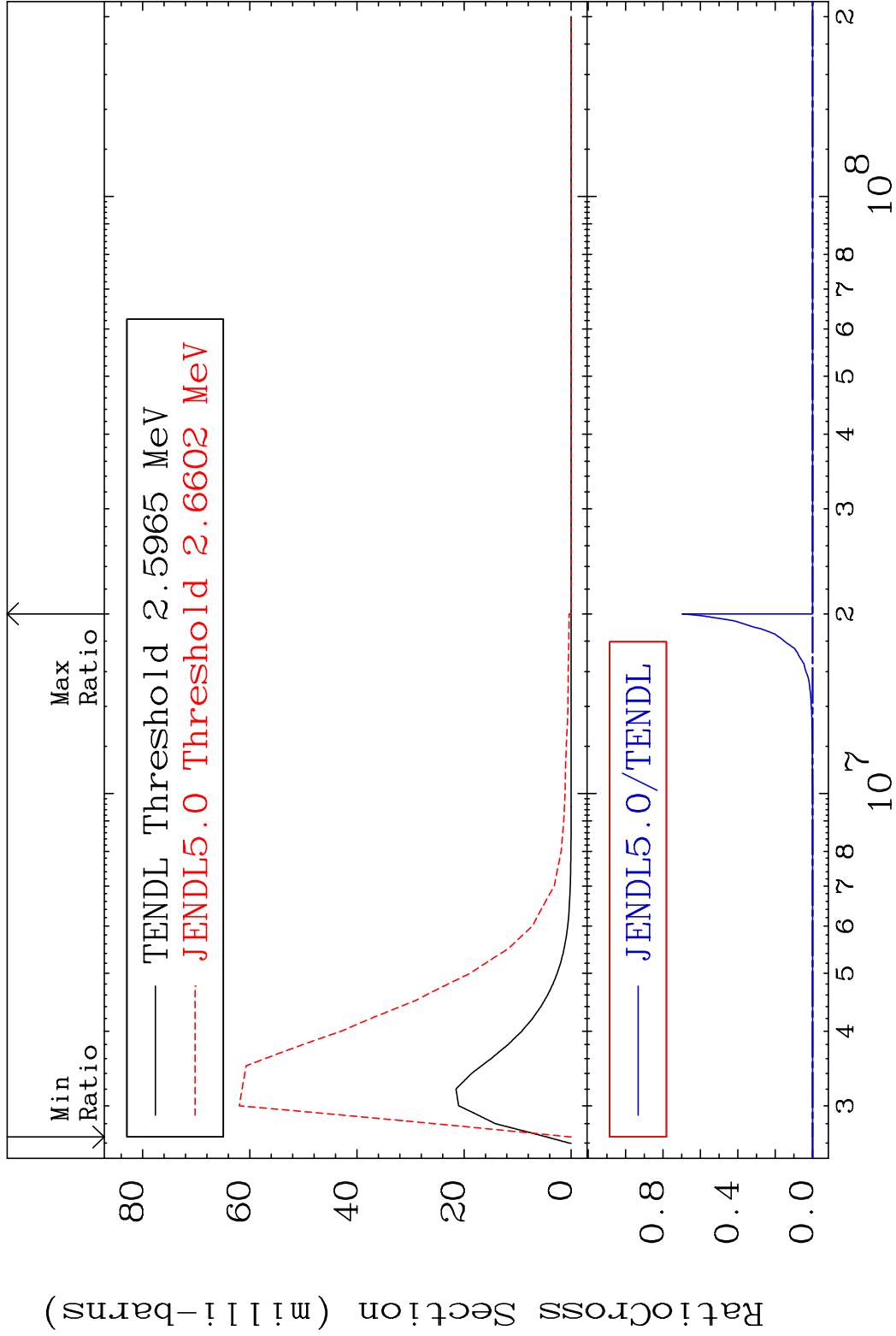




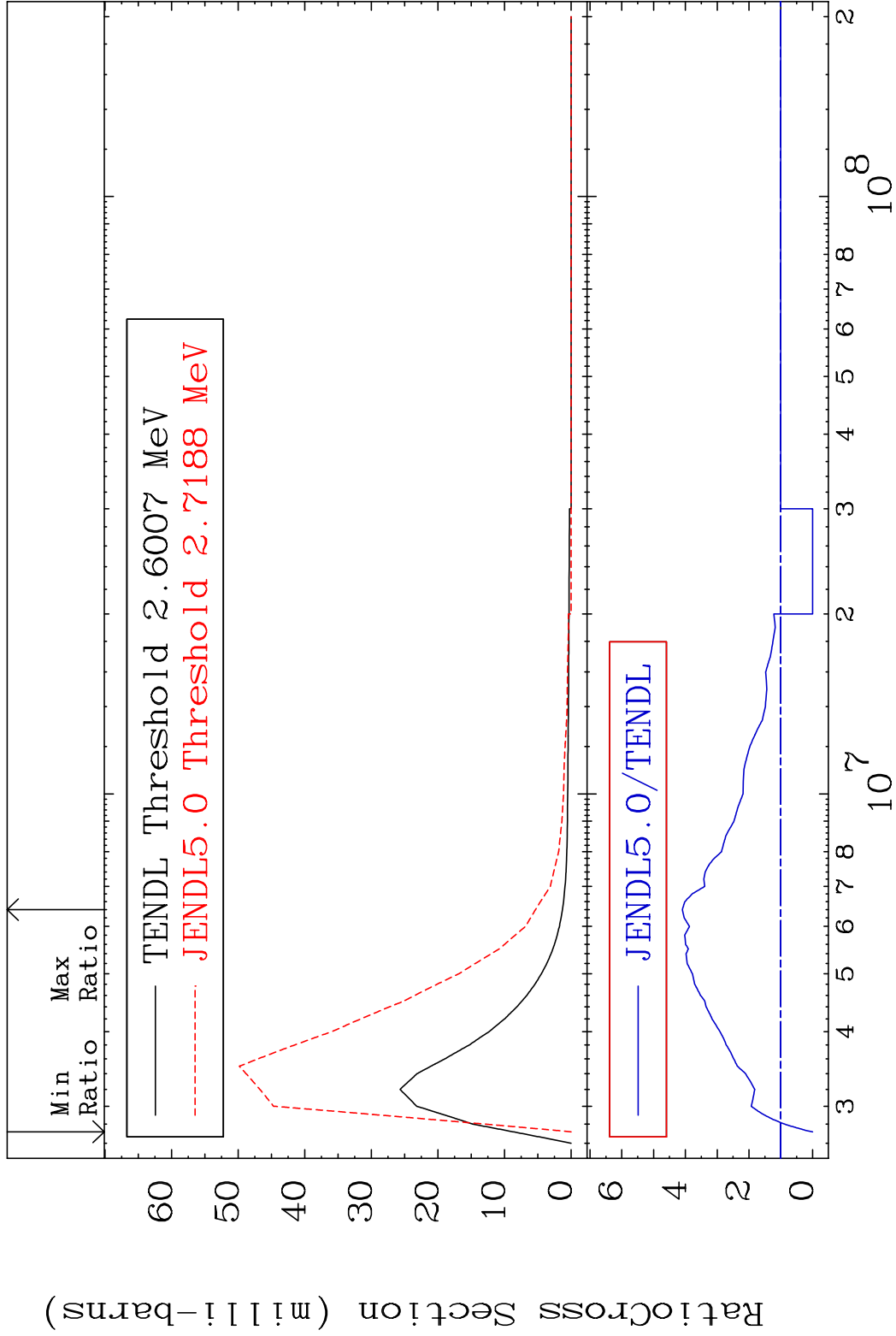


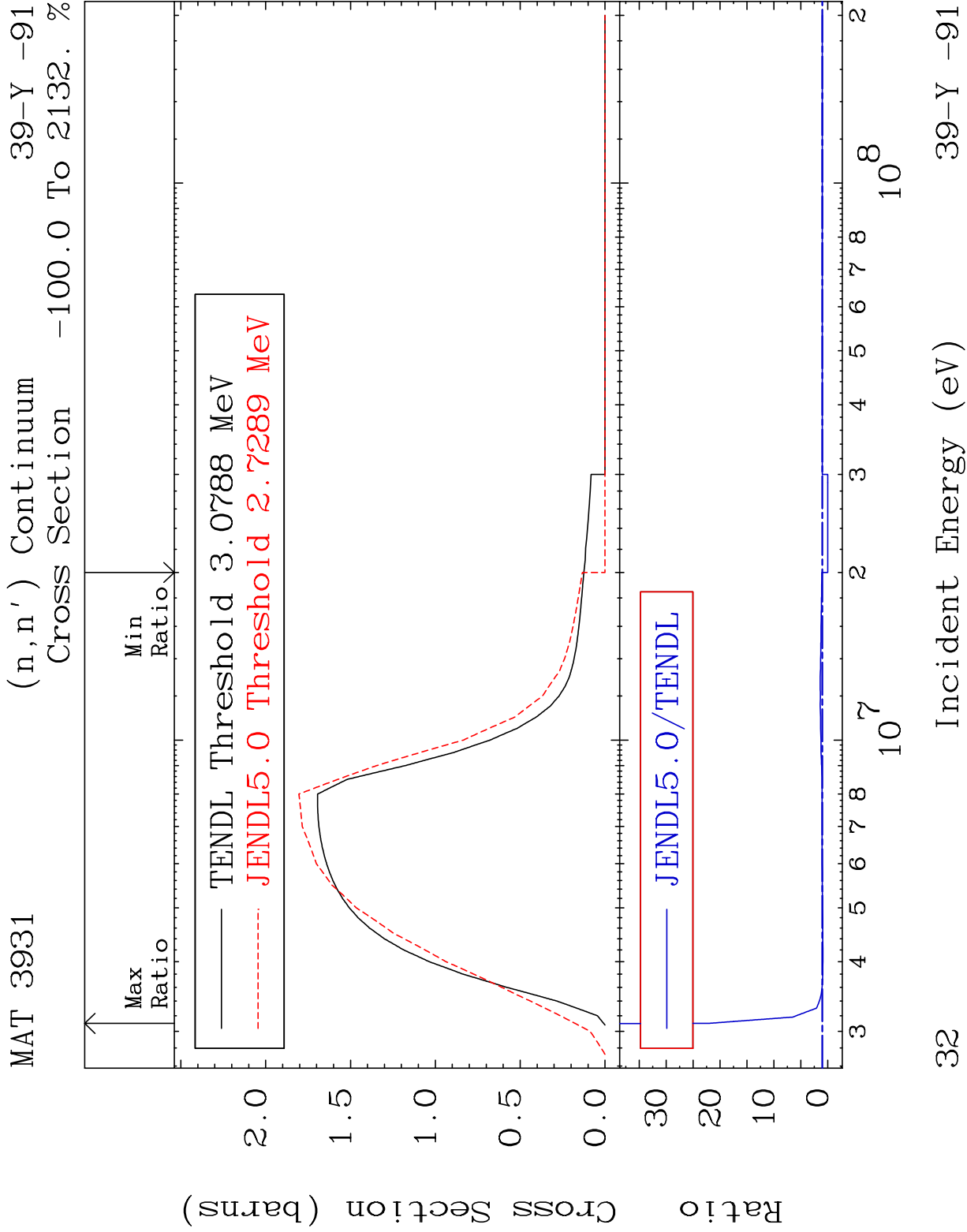
MAT 3931 MT= 71 (n,n') Level 39-Y -91

Cross Section -100.0 To 9999. %



MAT 3931 MT= 72 (n,n') Level 39-Y -91
 Cross Section -100.0 To 309.5 %



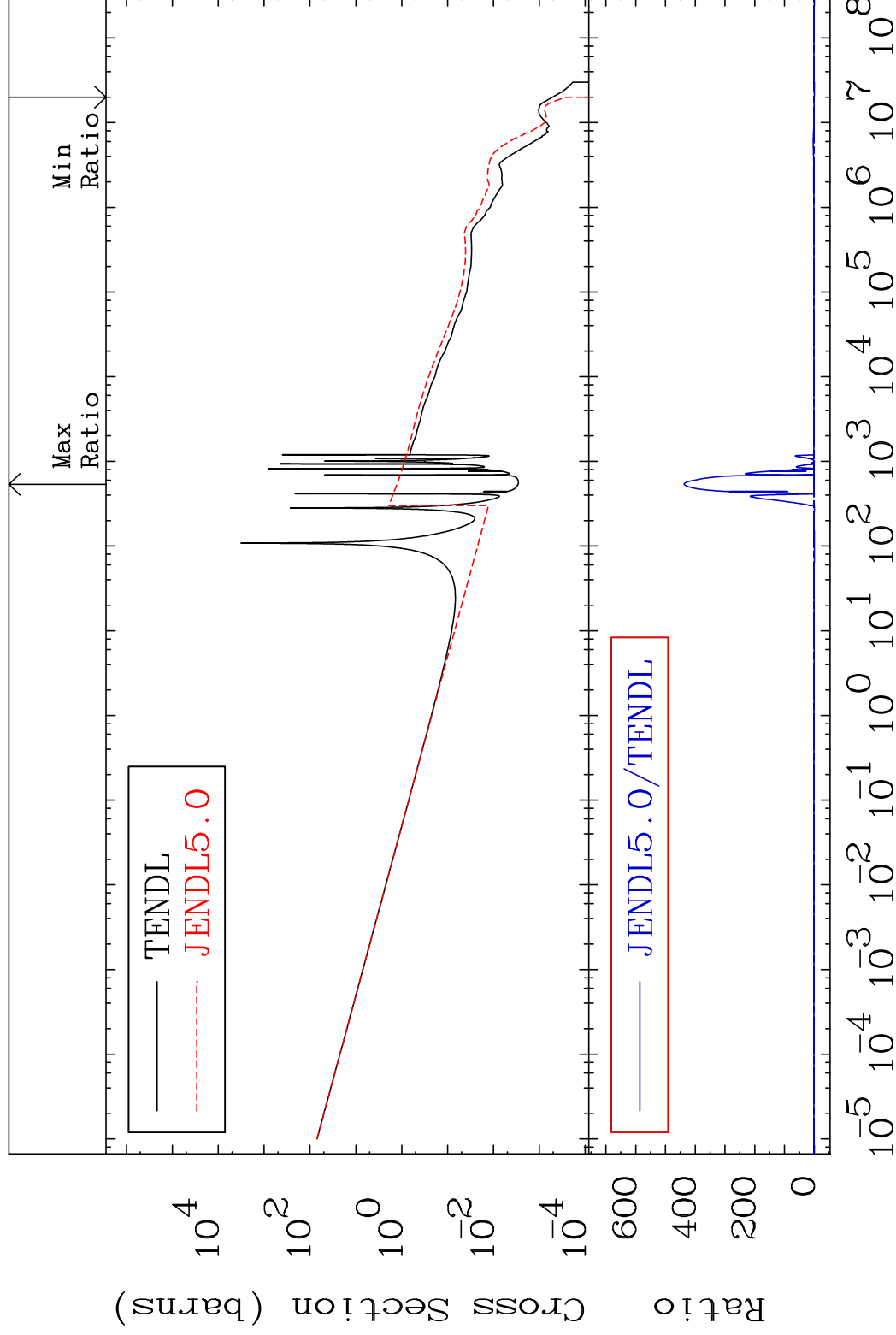


MAT 3931

(n, γ)

39-Y -91

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

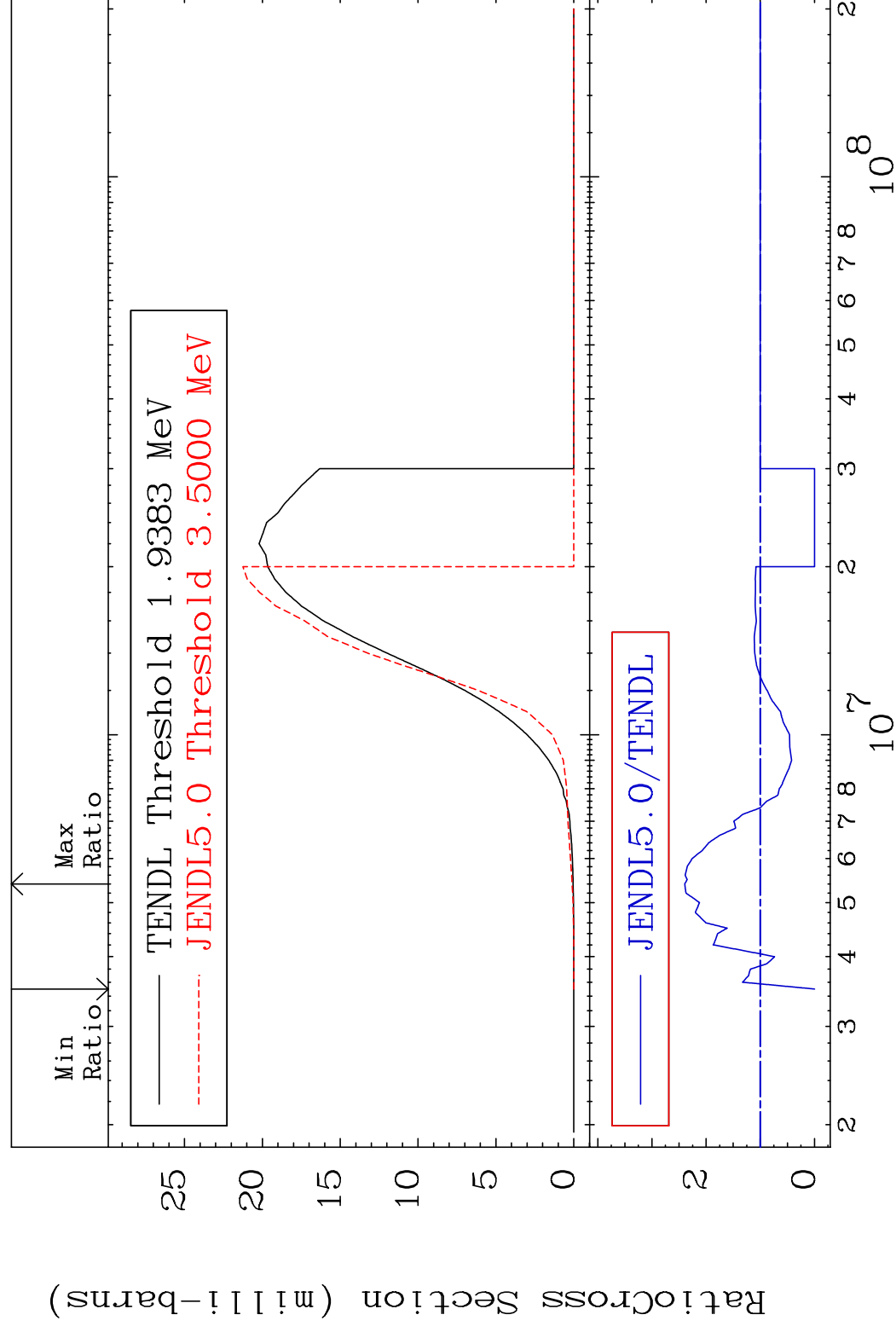
39-Y -91

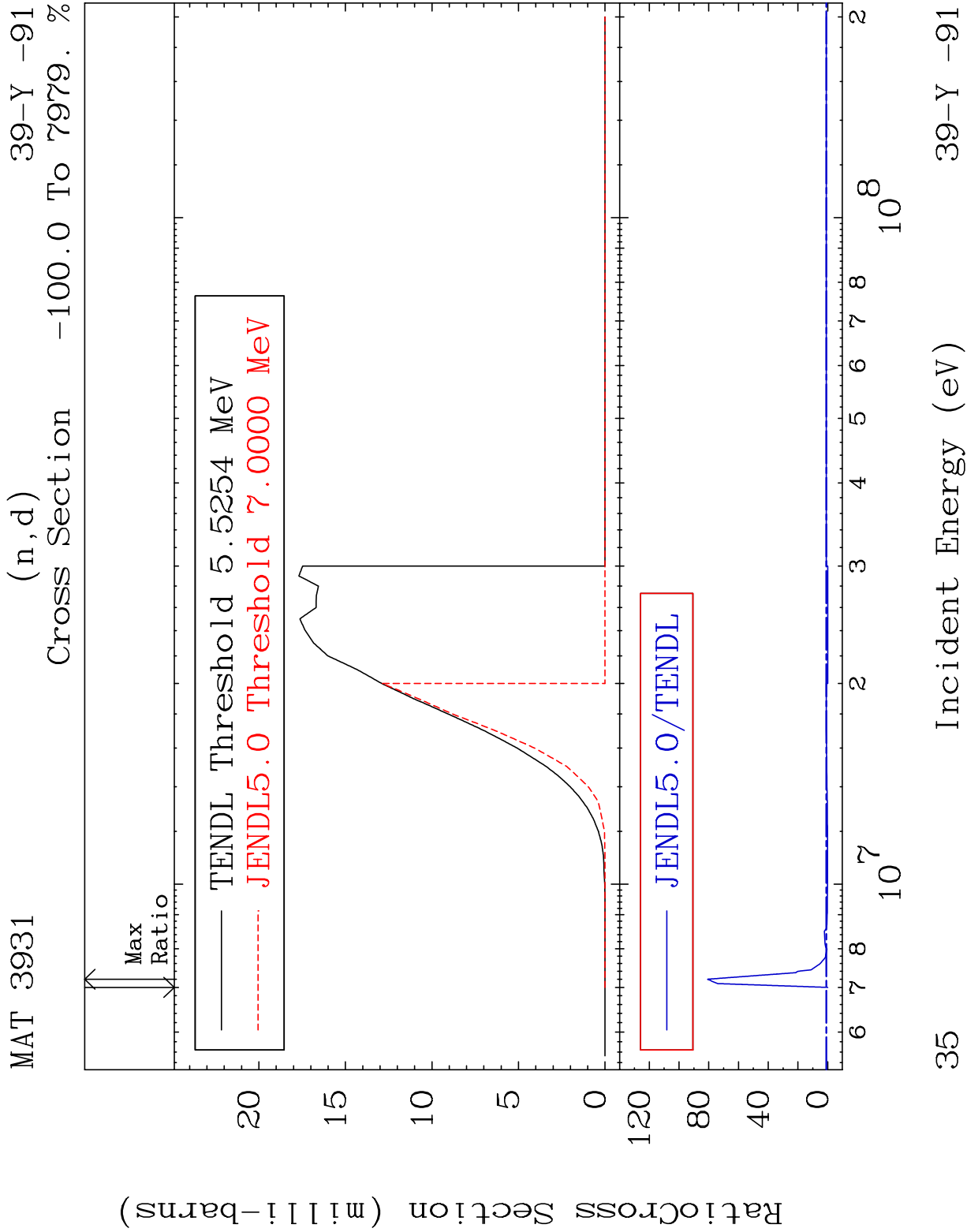
MAT 3931

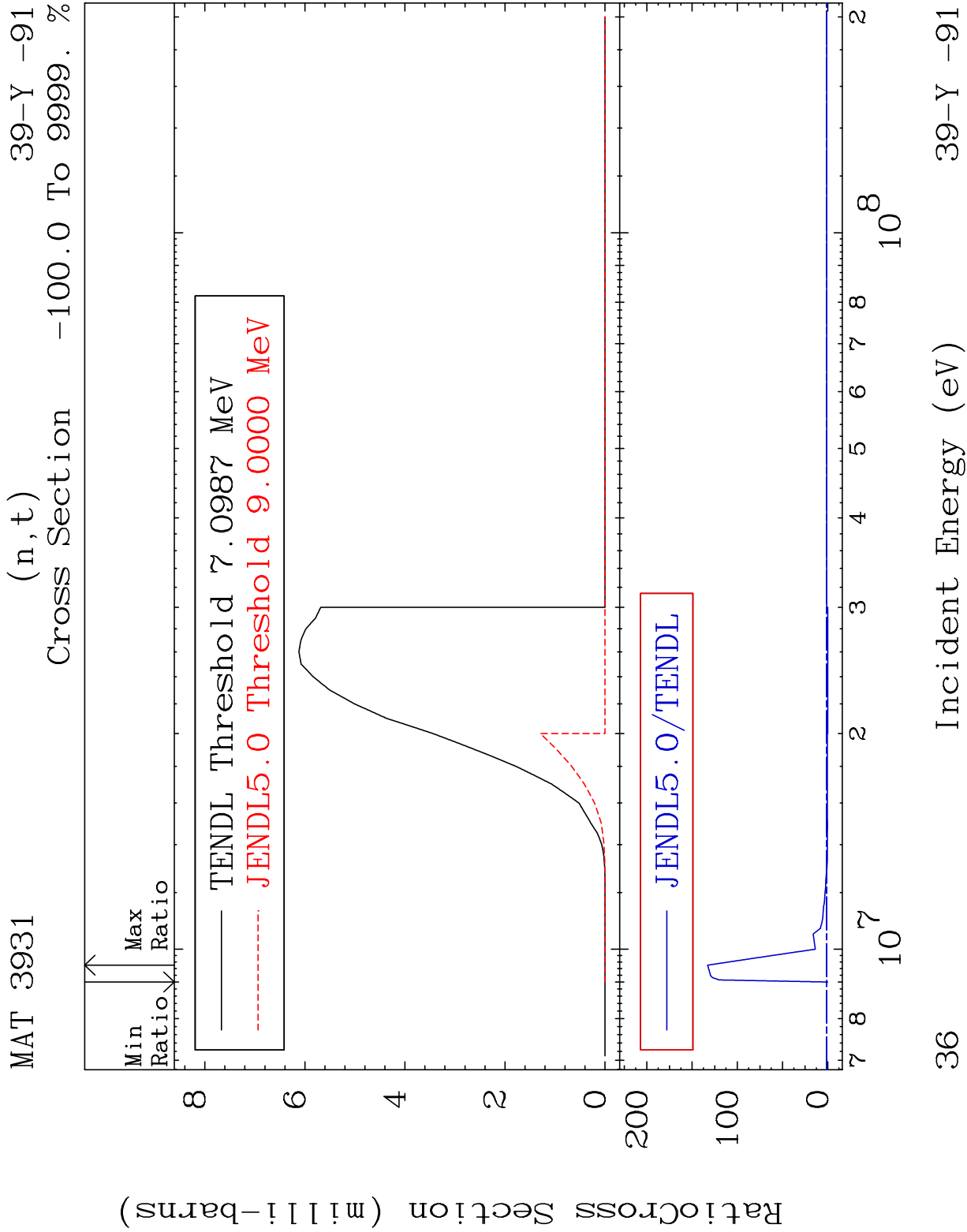
$$(n, p)$$

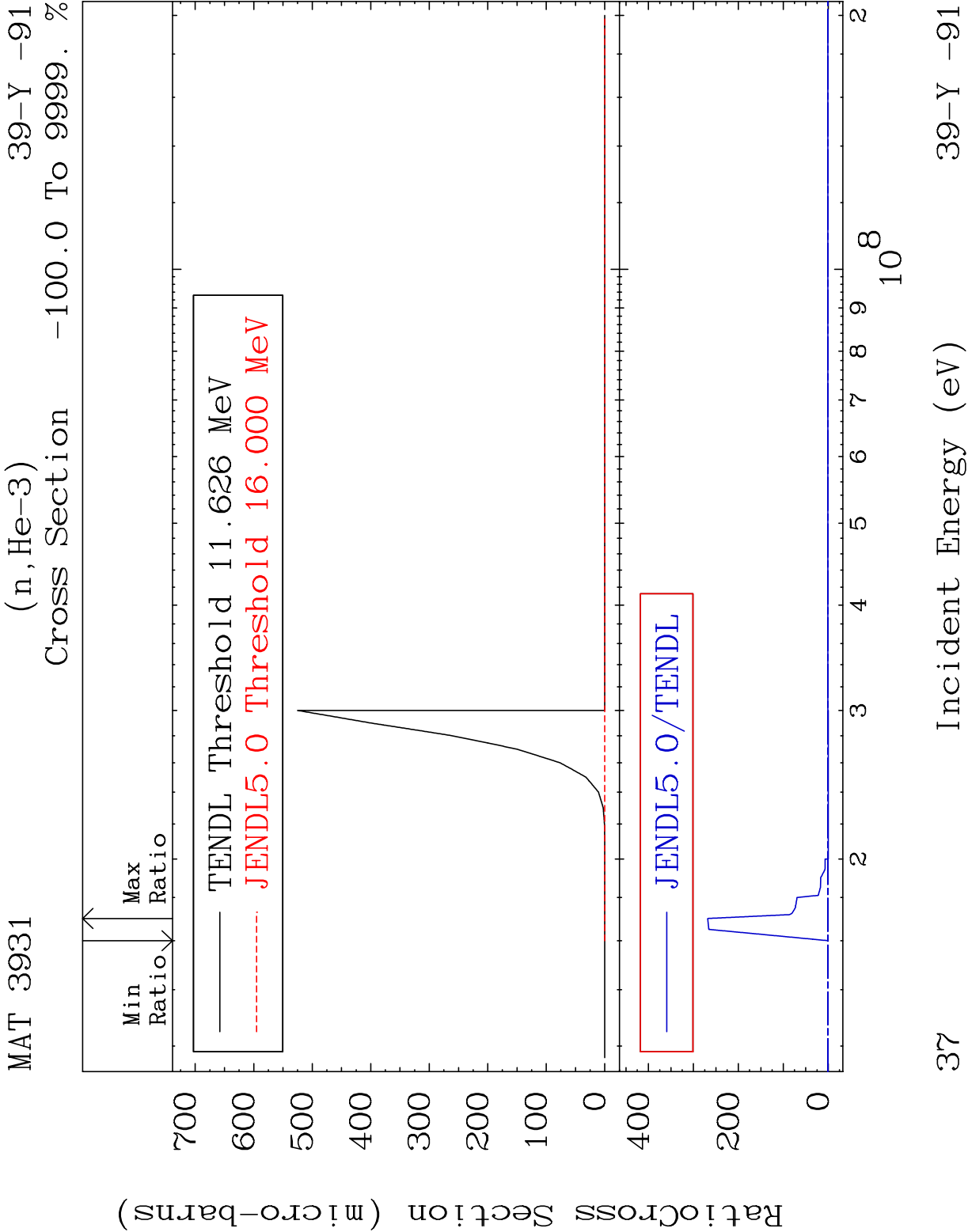
39-Y -91

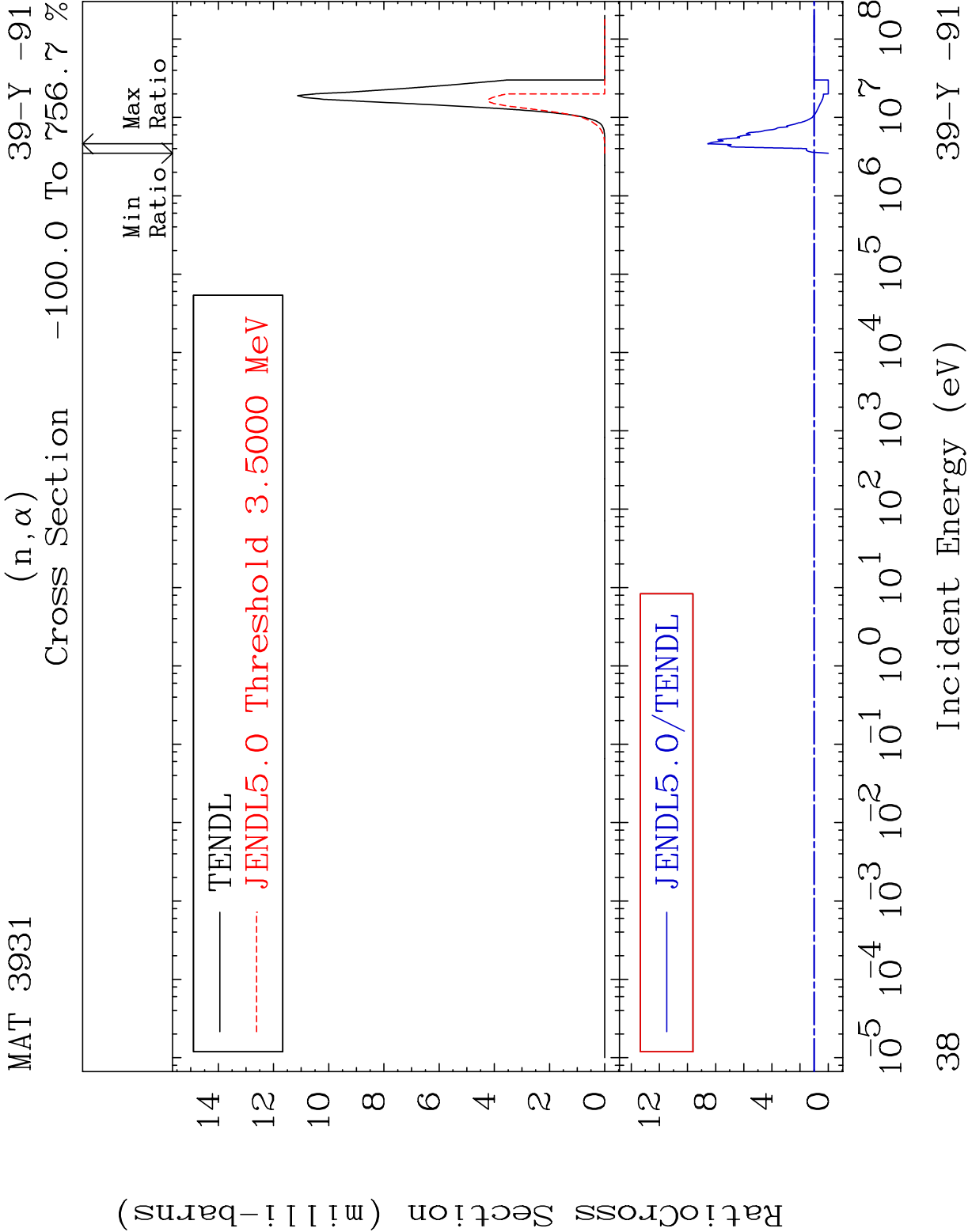
Cross Section

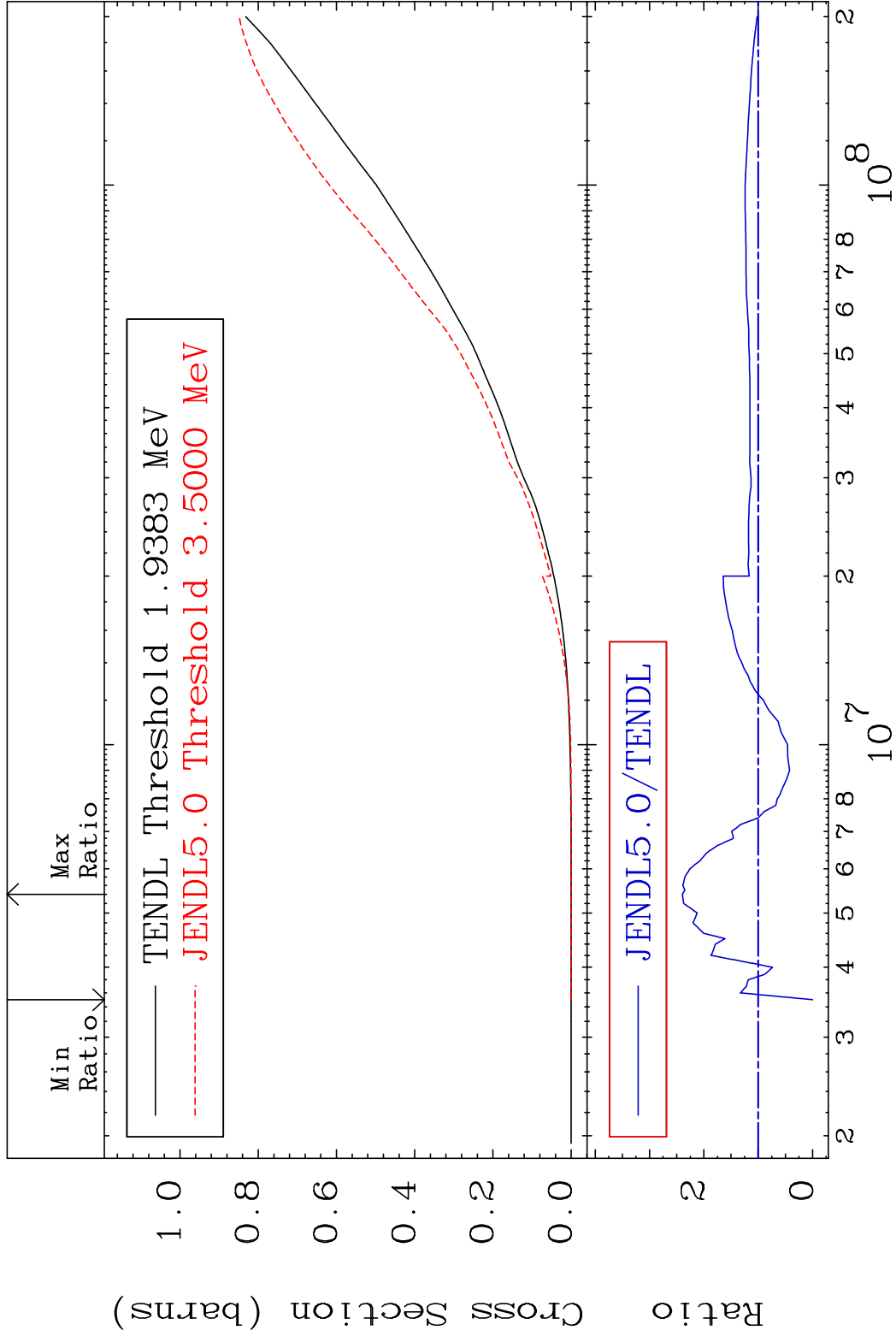


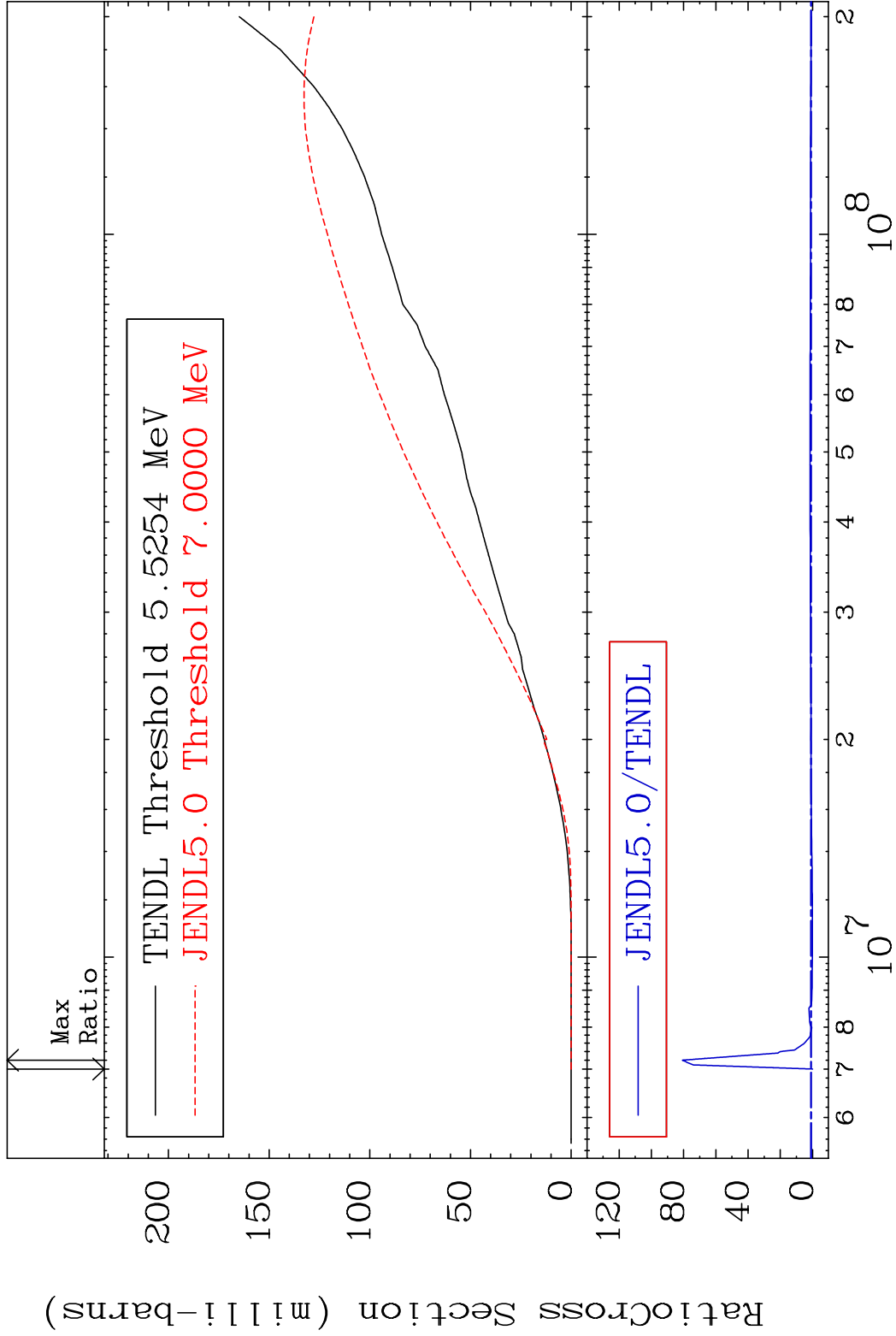


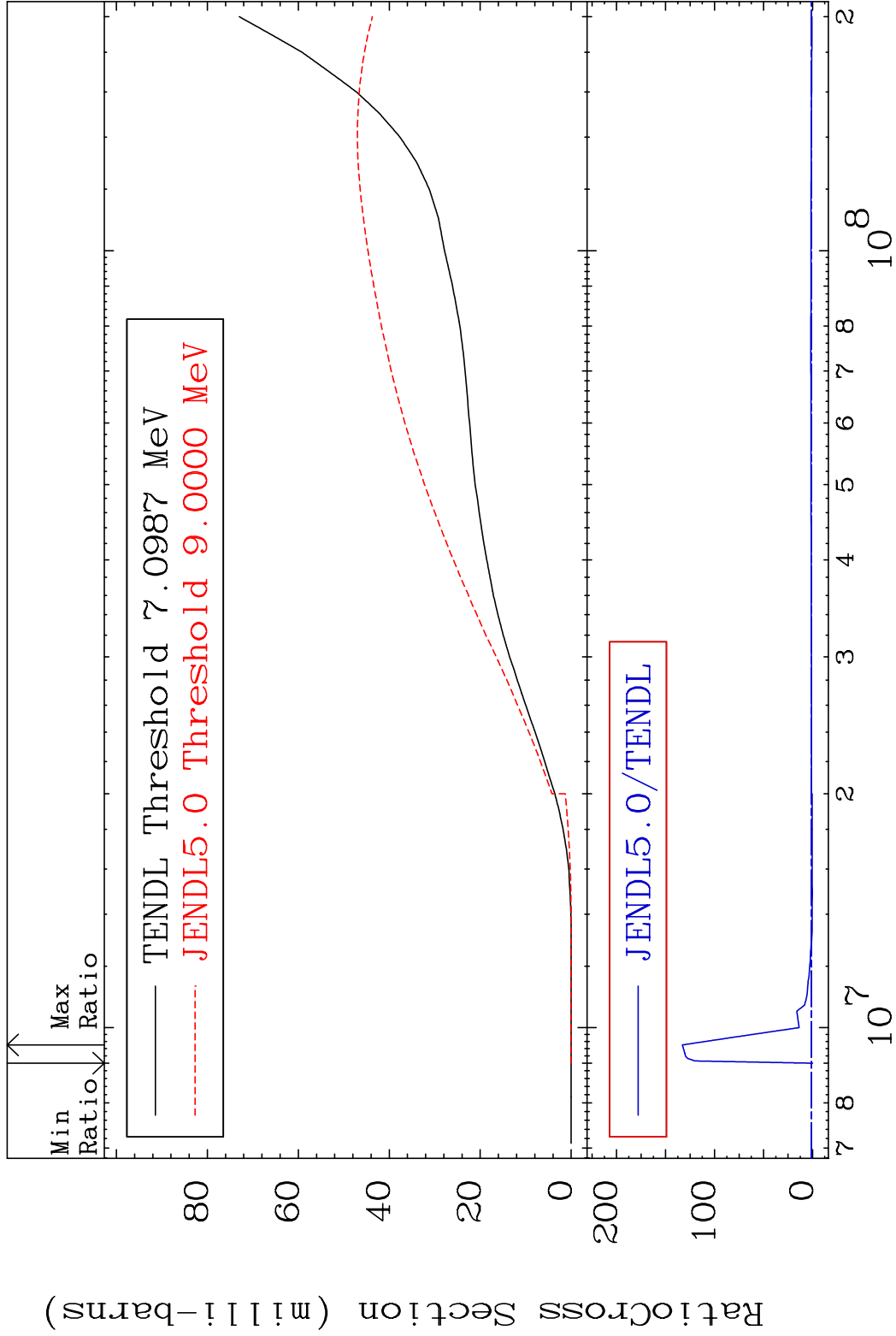


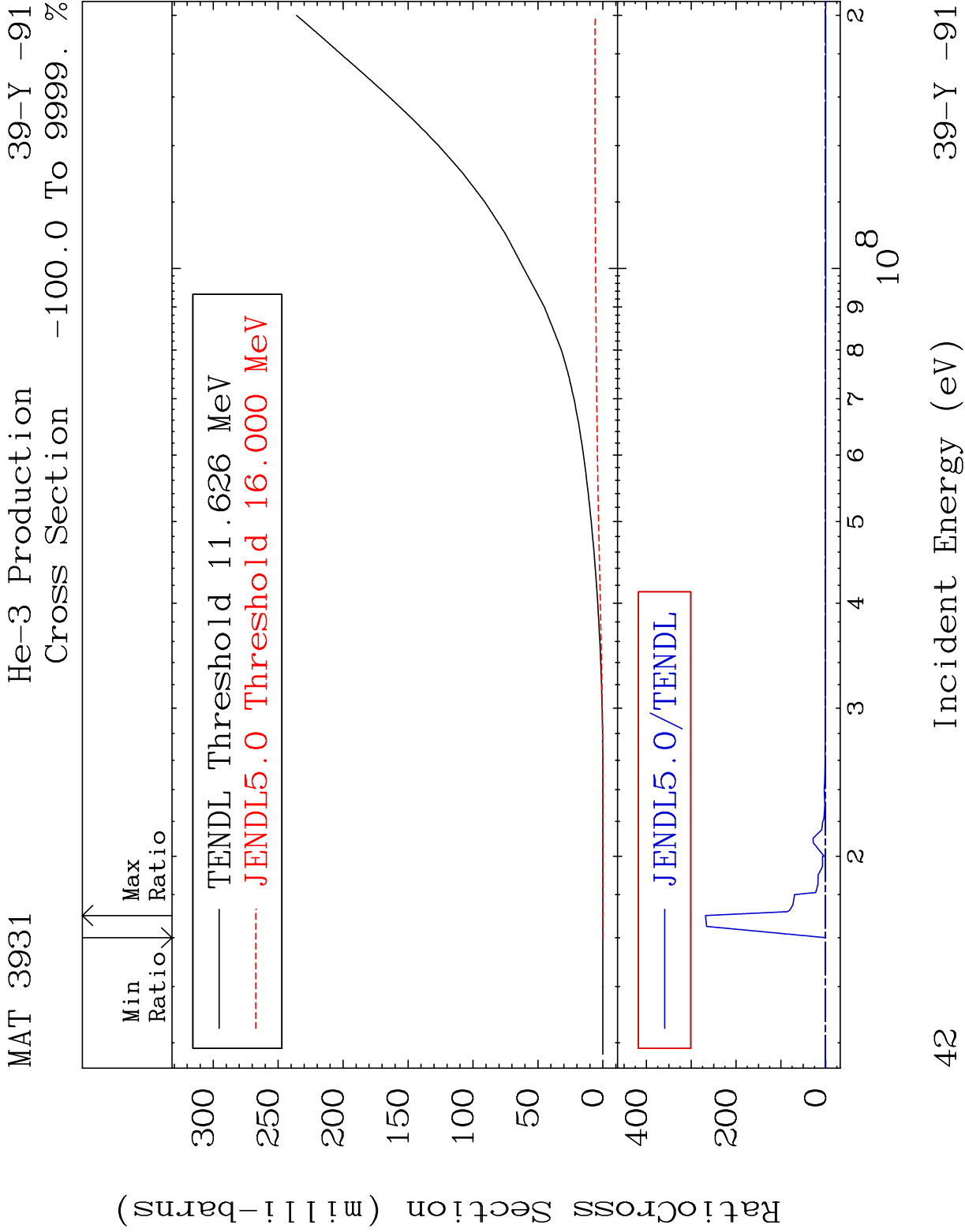




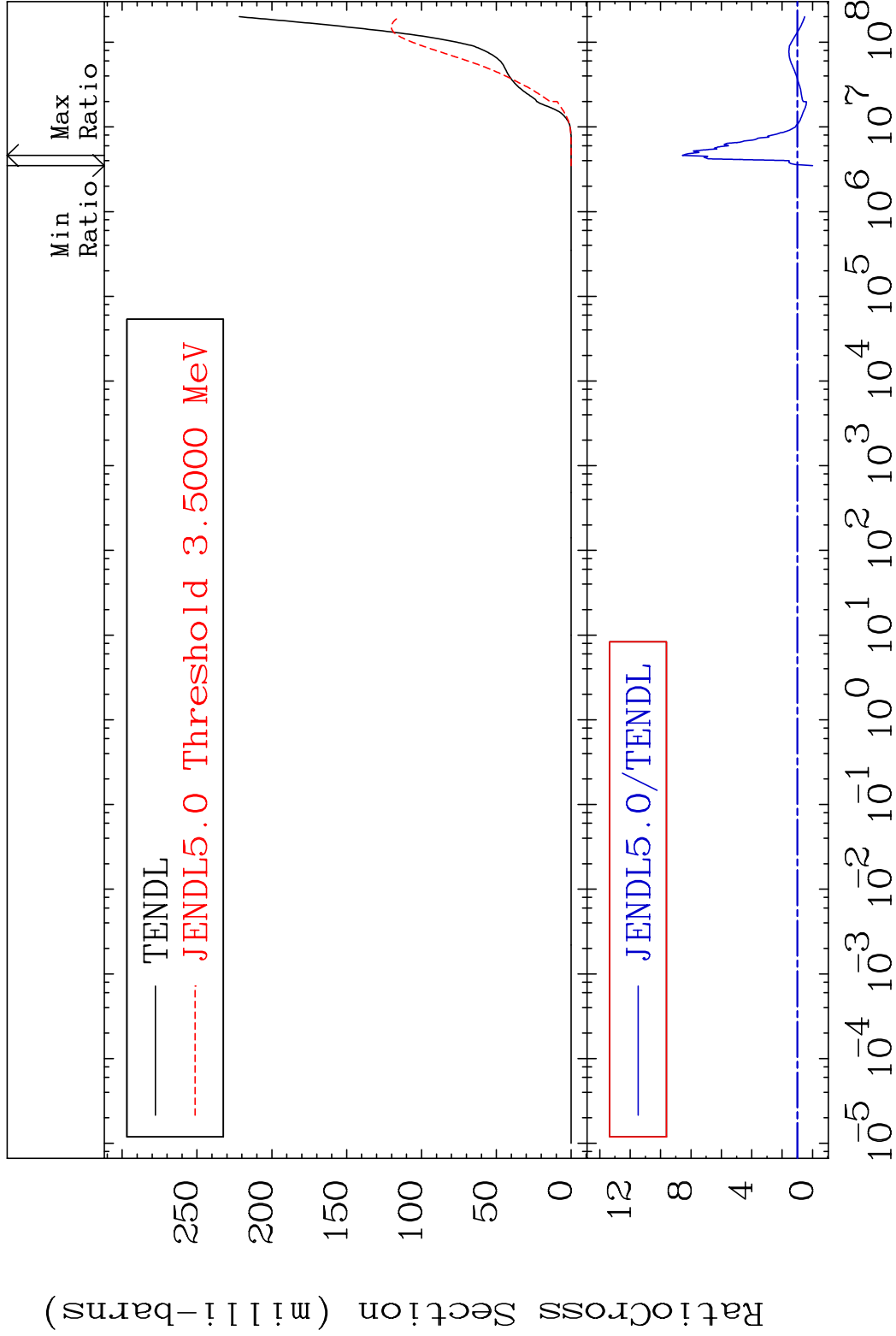




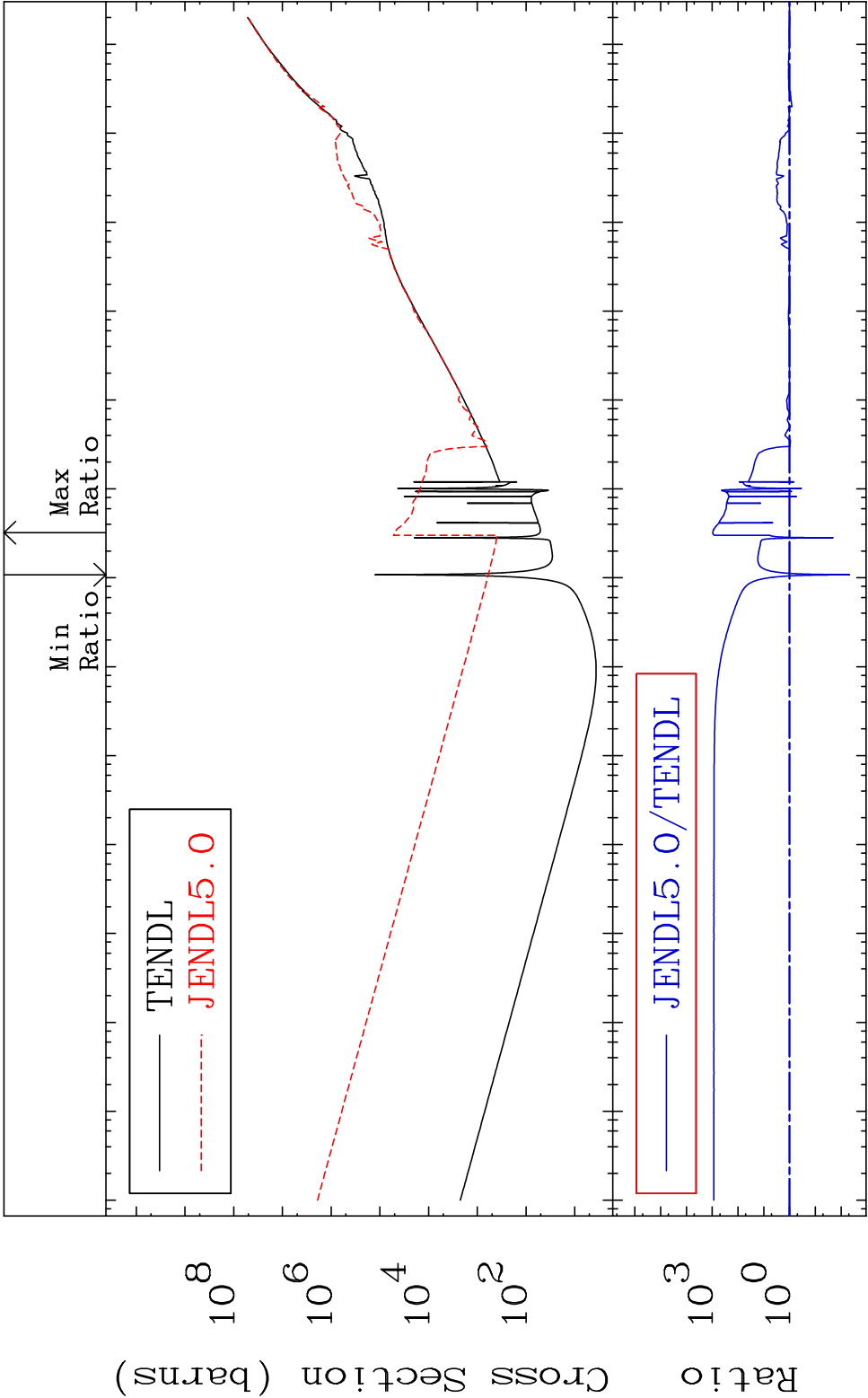


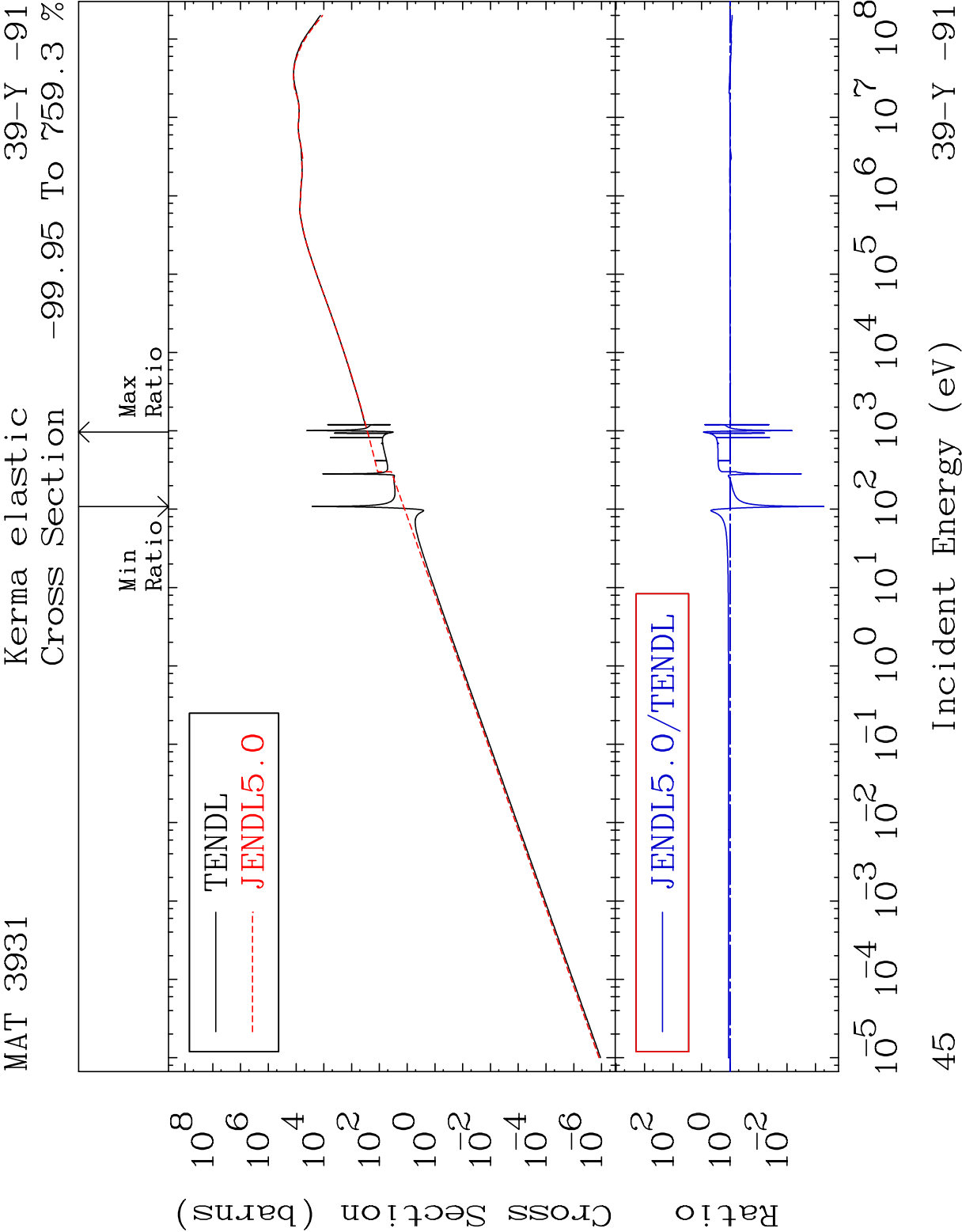


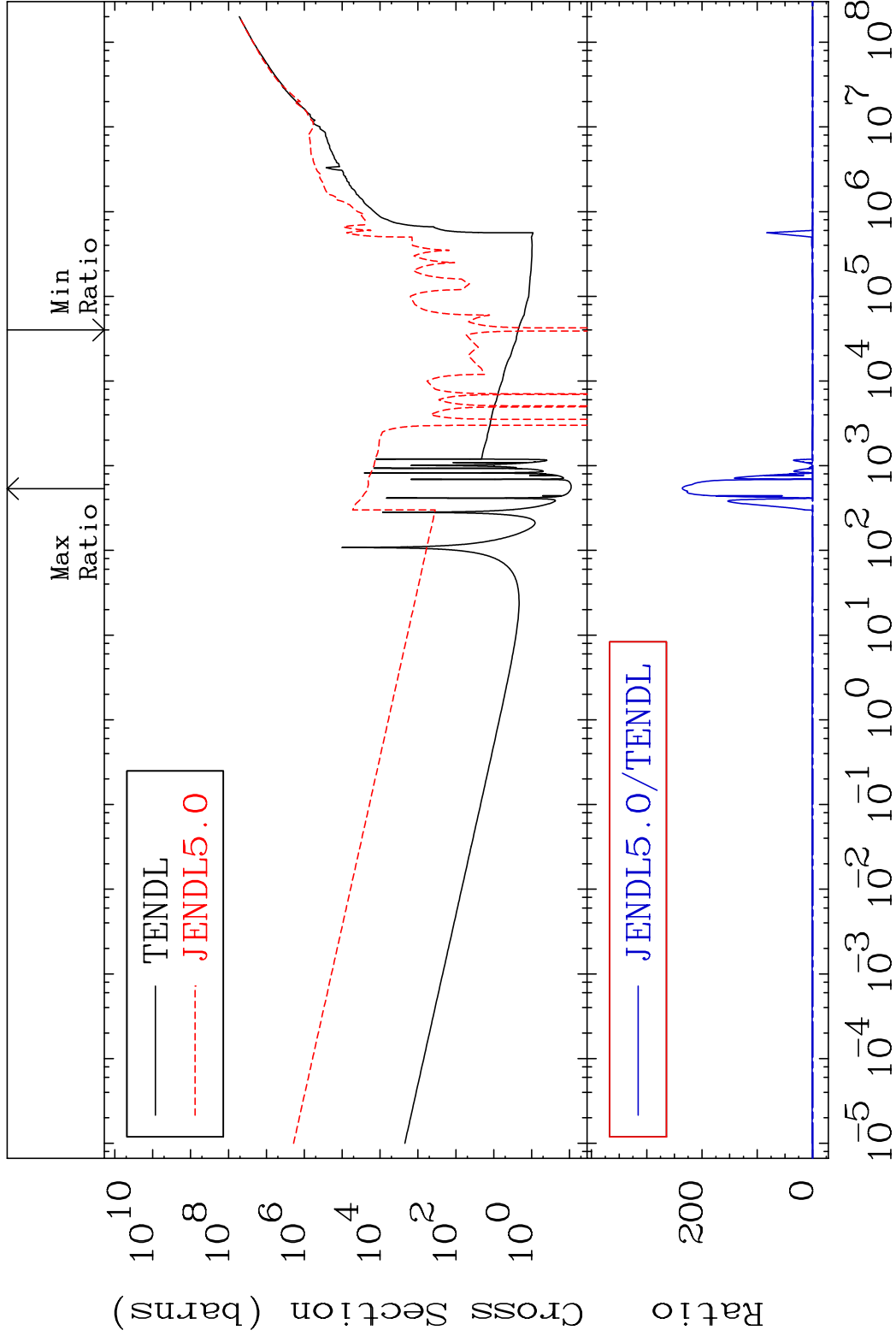
MAT 3931 He-4 Production 39-Y -91
Cross Section -100.0 To 756.7 %

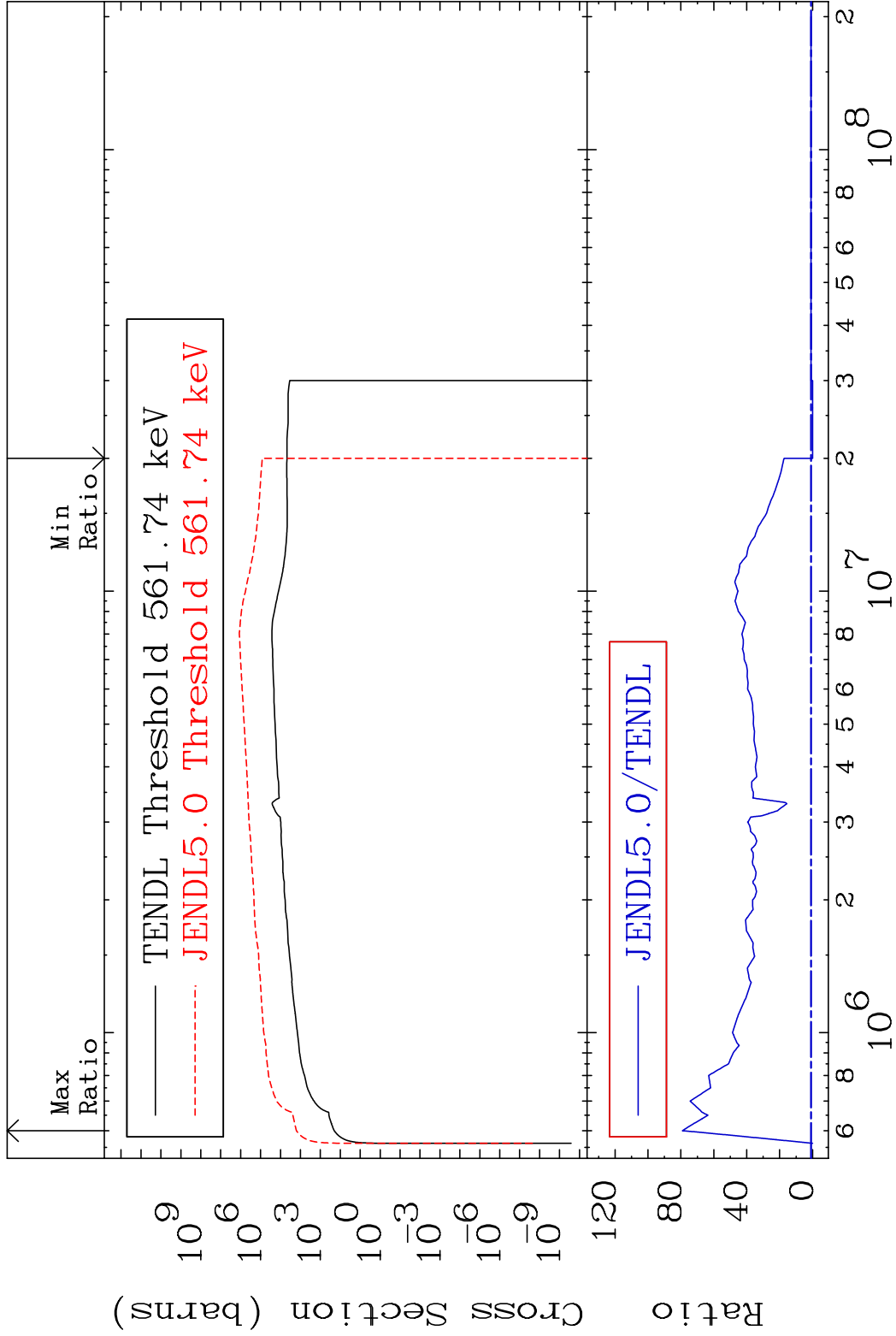


43 Incident Energy (eV) 39-Y -91

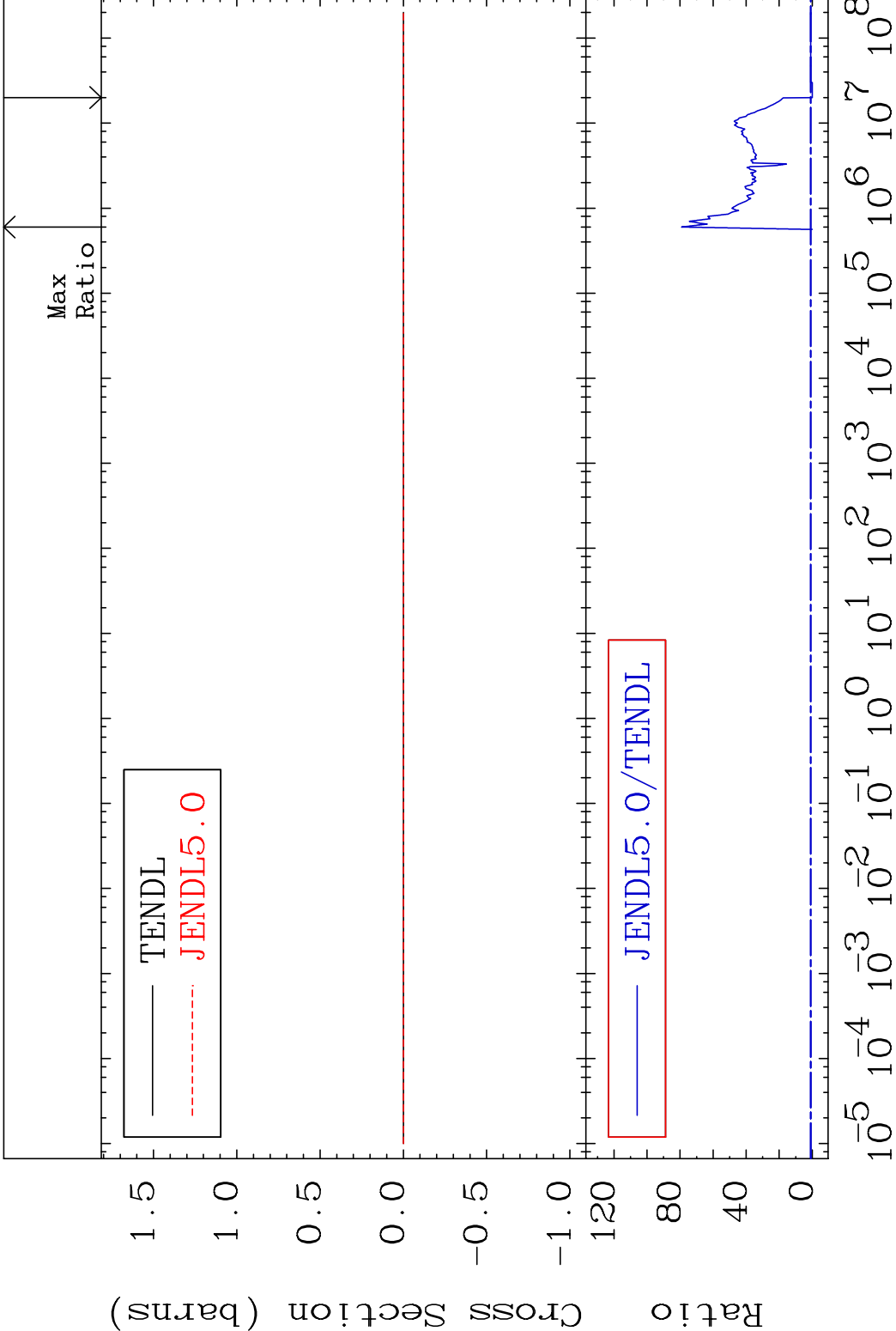


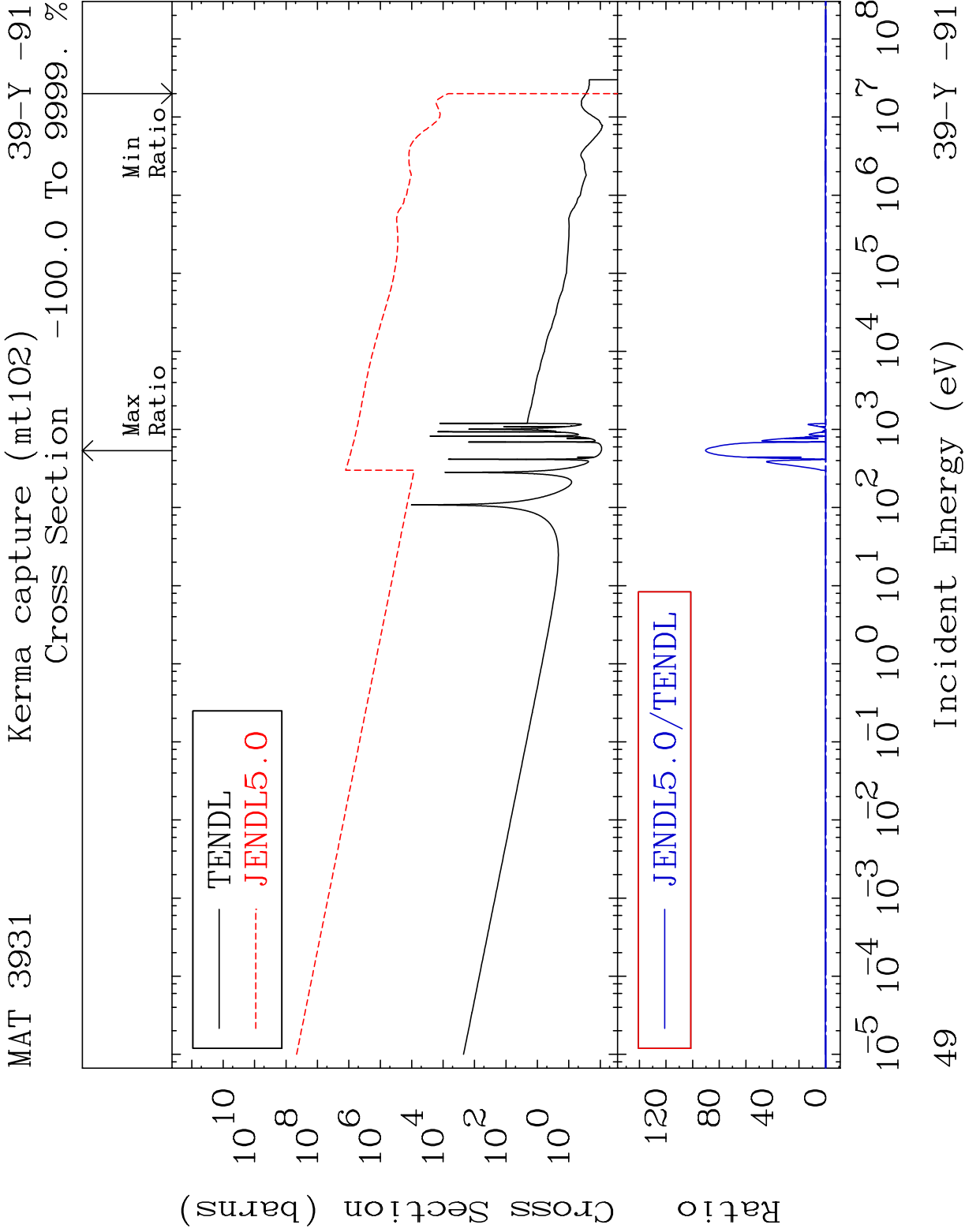


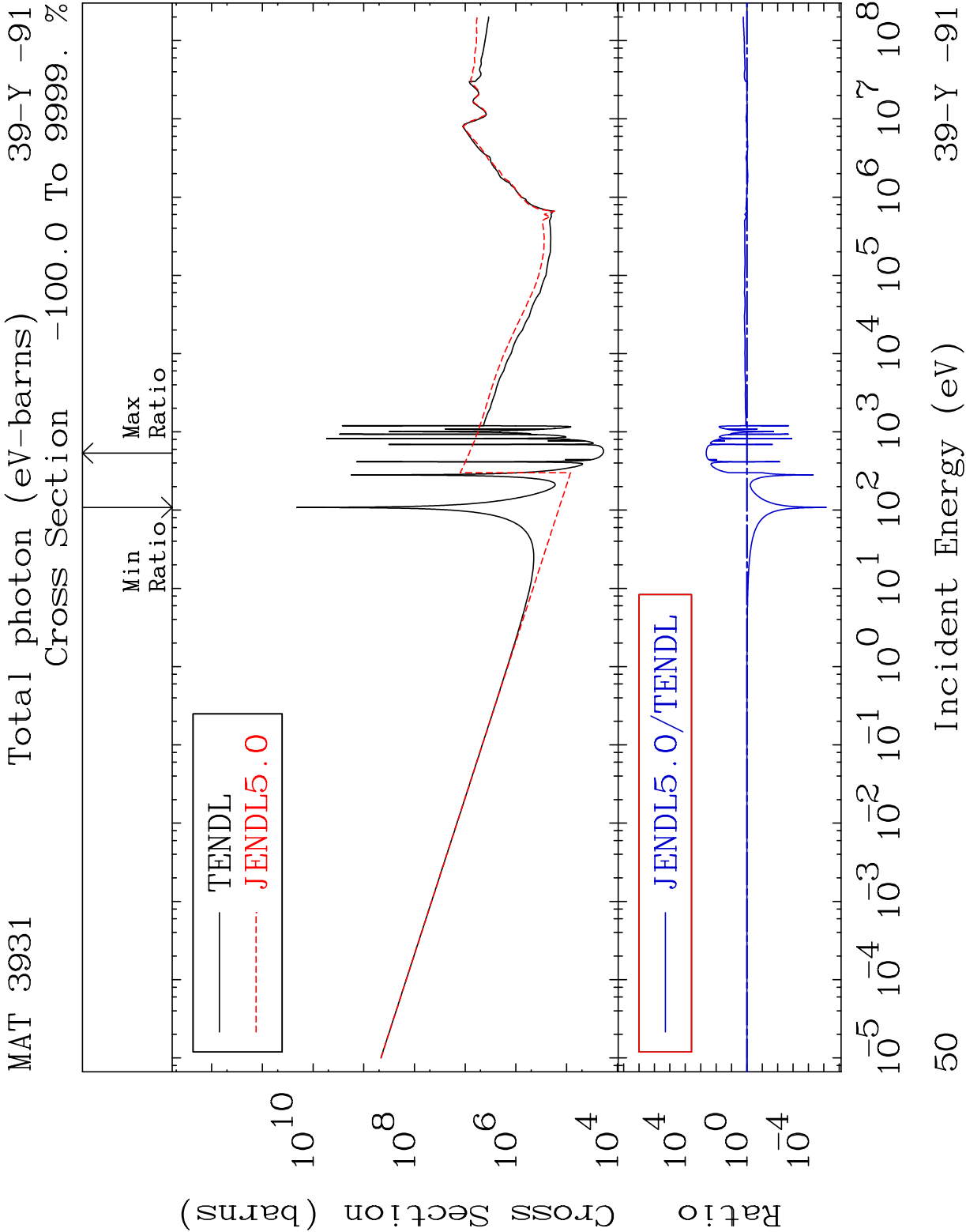


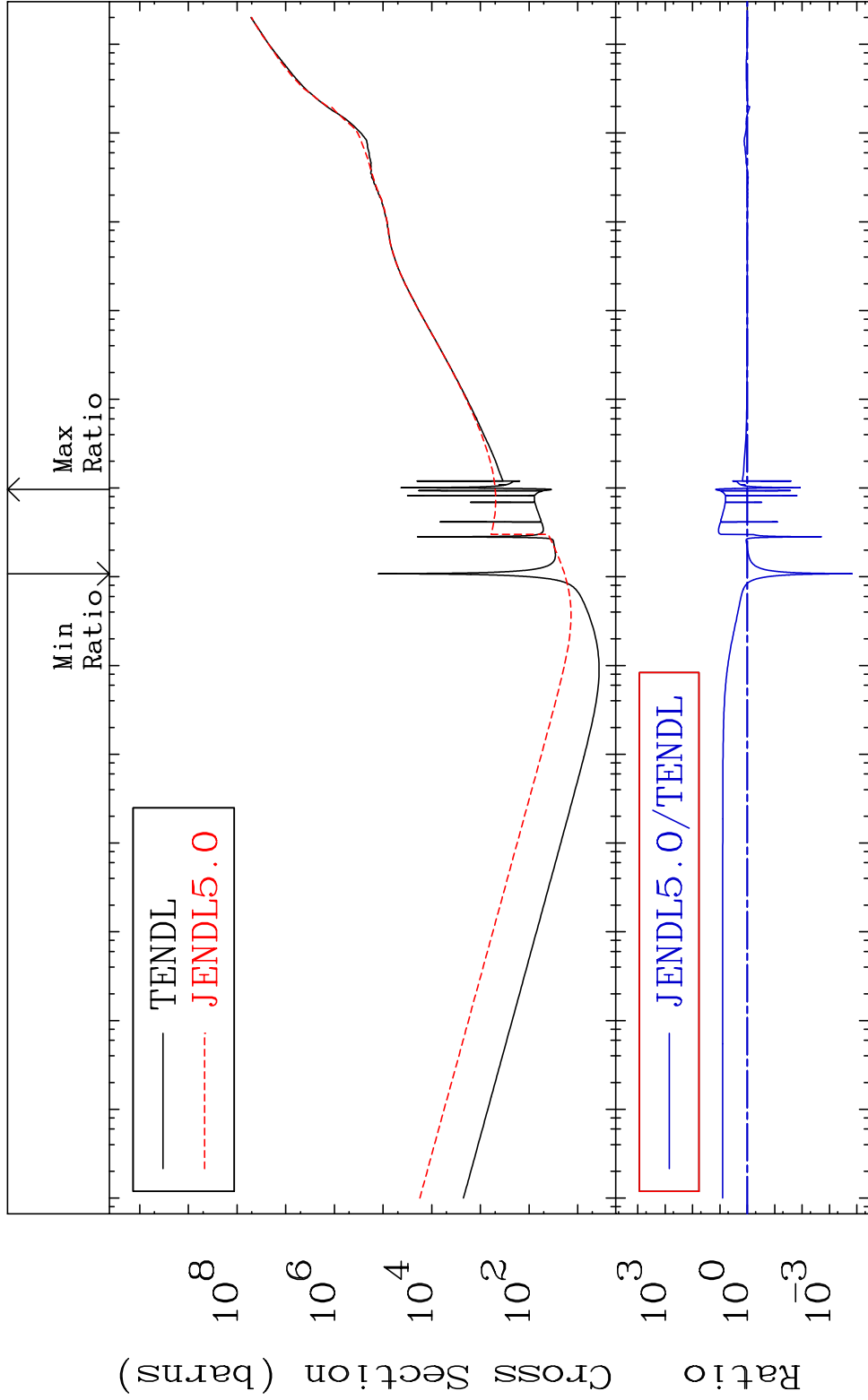


MAT 3931 Kerma fission (mt18 or mt19-20-21-38) 39-Y -91
Cross Section -100.0 To 7811. %

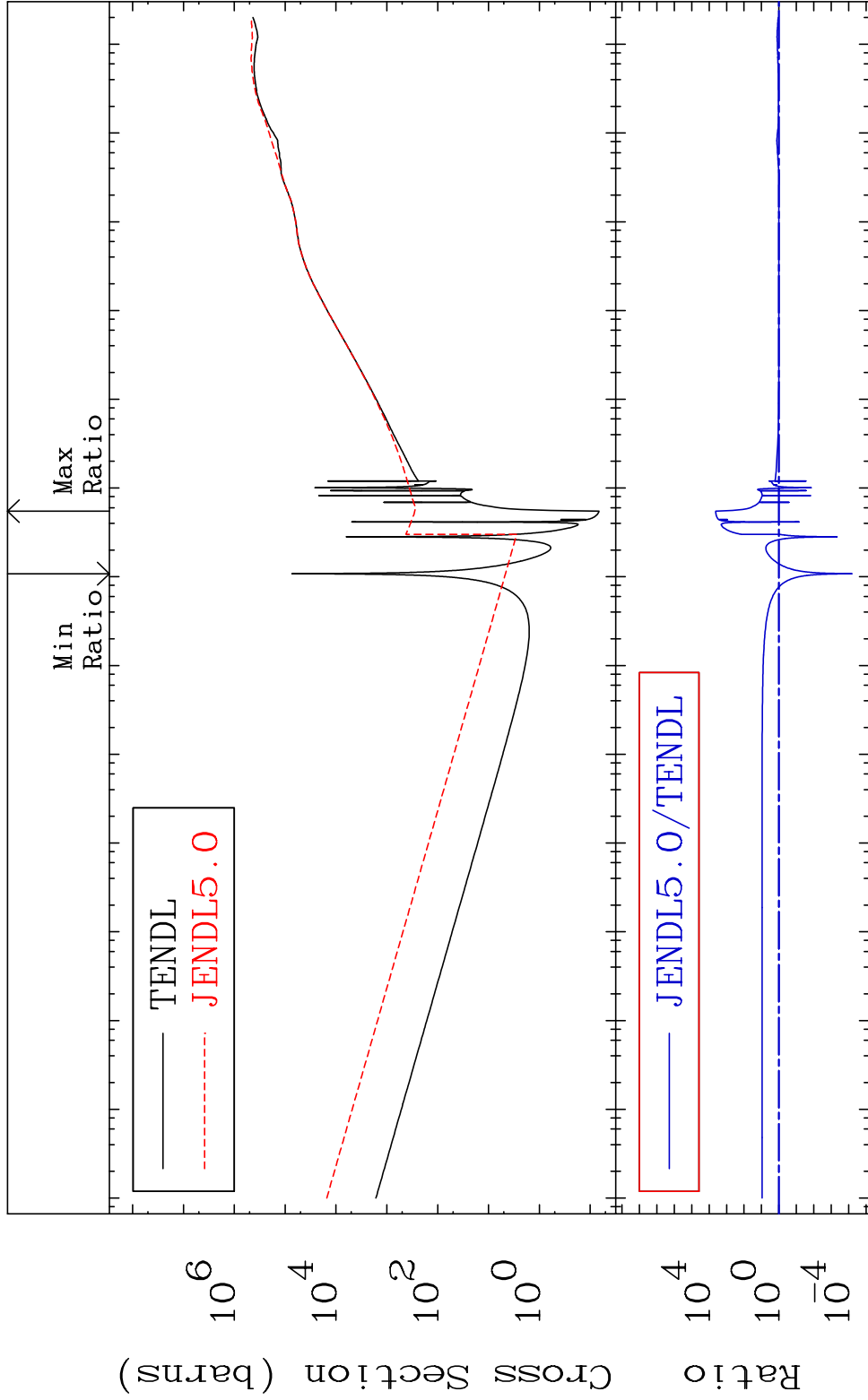




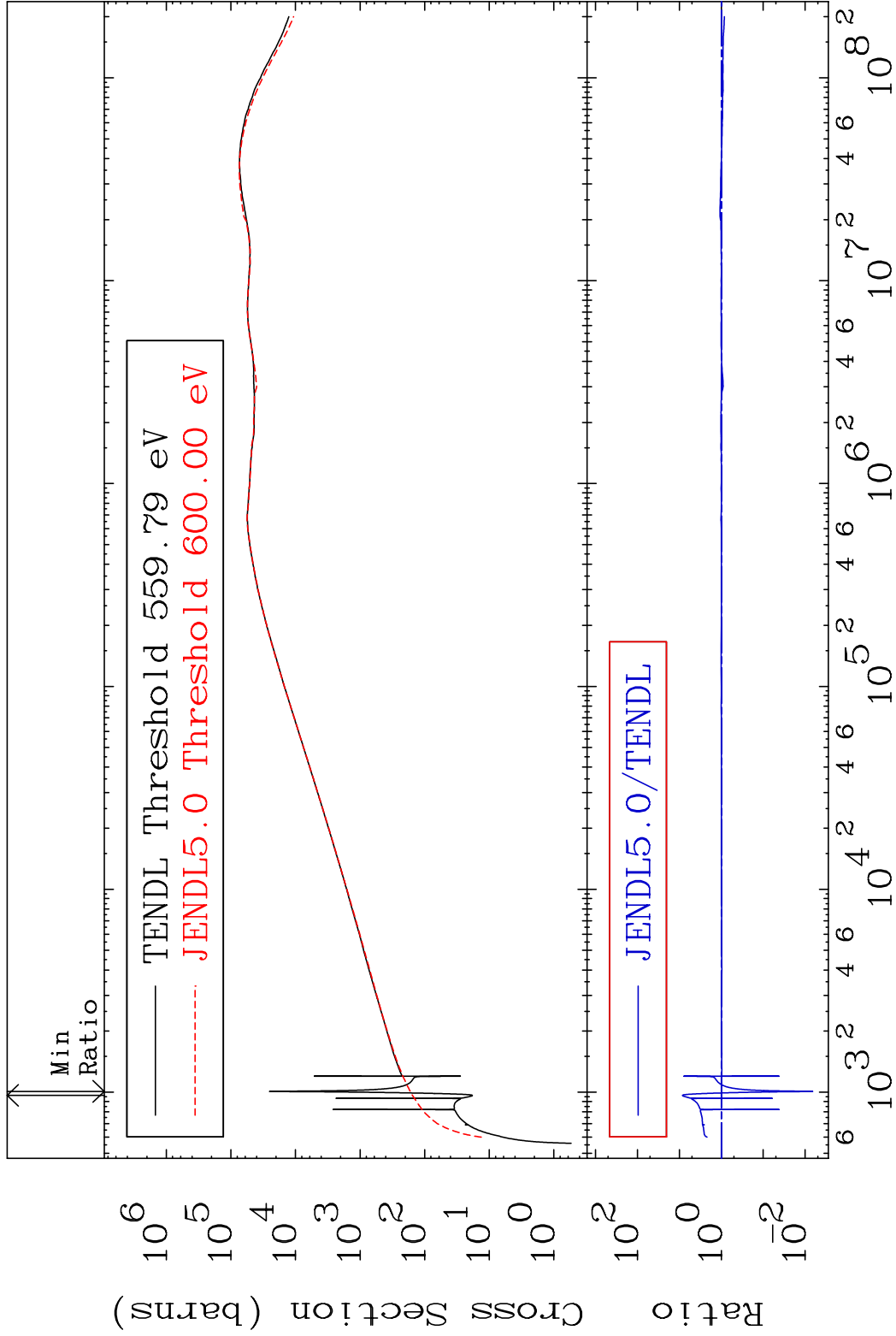




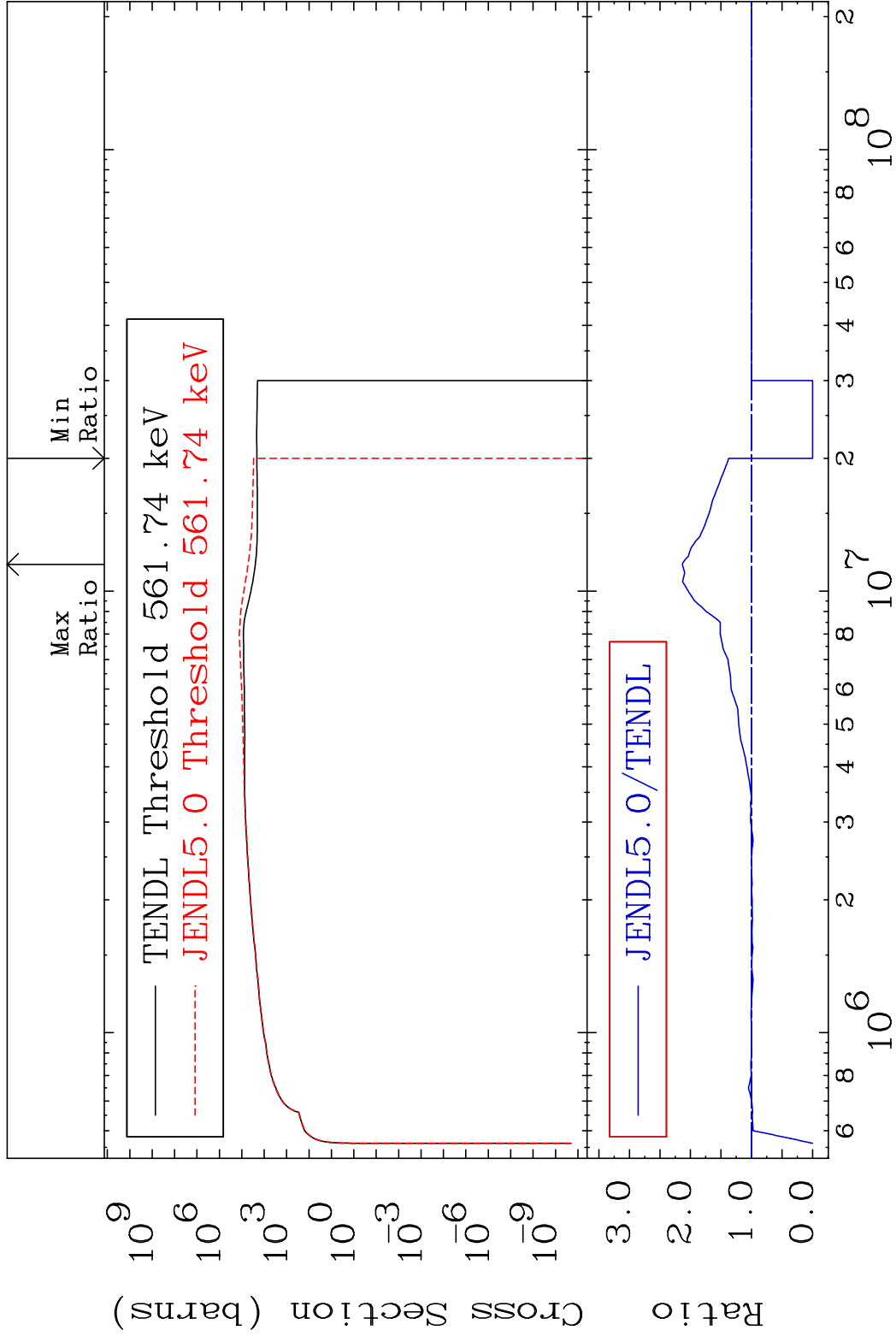
MAT 3931 Dpa total (eV-barns) 39-Y -91
Cross Section -99.99 To 9999. %



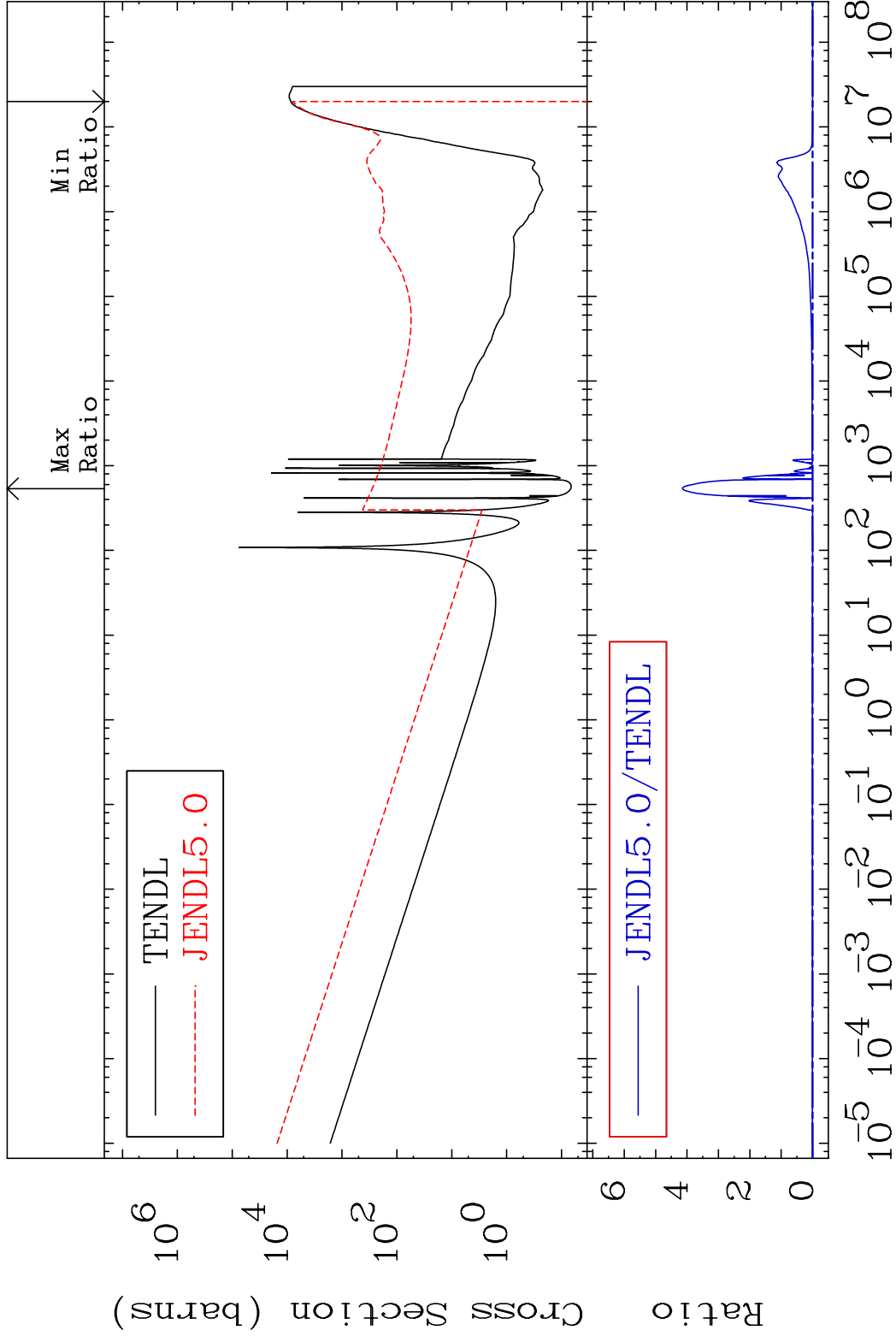
MAT 3931 Dpa elastic (mt2) 39-Y -91
Cross Section -99.33 To 747.0 %



Cross Section -100.0 To 113.3 %



MAT 3931 Dpa disappearance (mt102 -120) 39-Y -91
Cross Section -100.0 To 9999. %

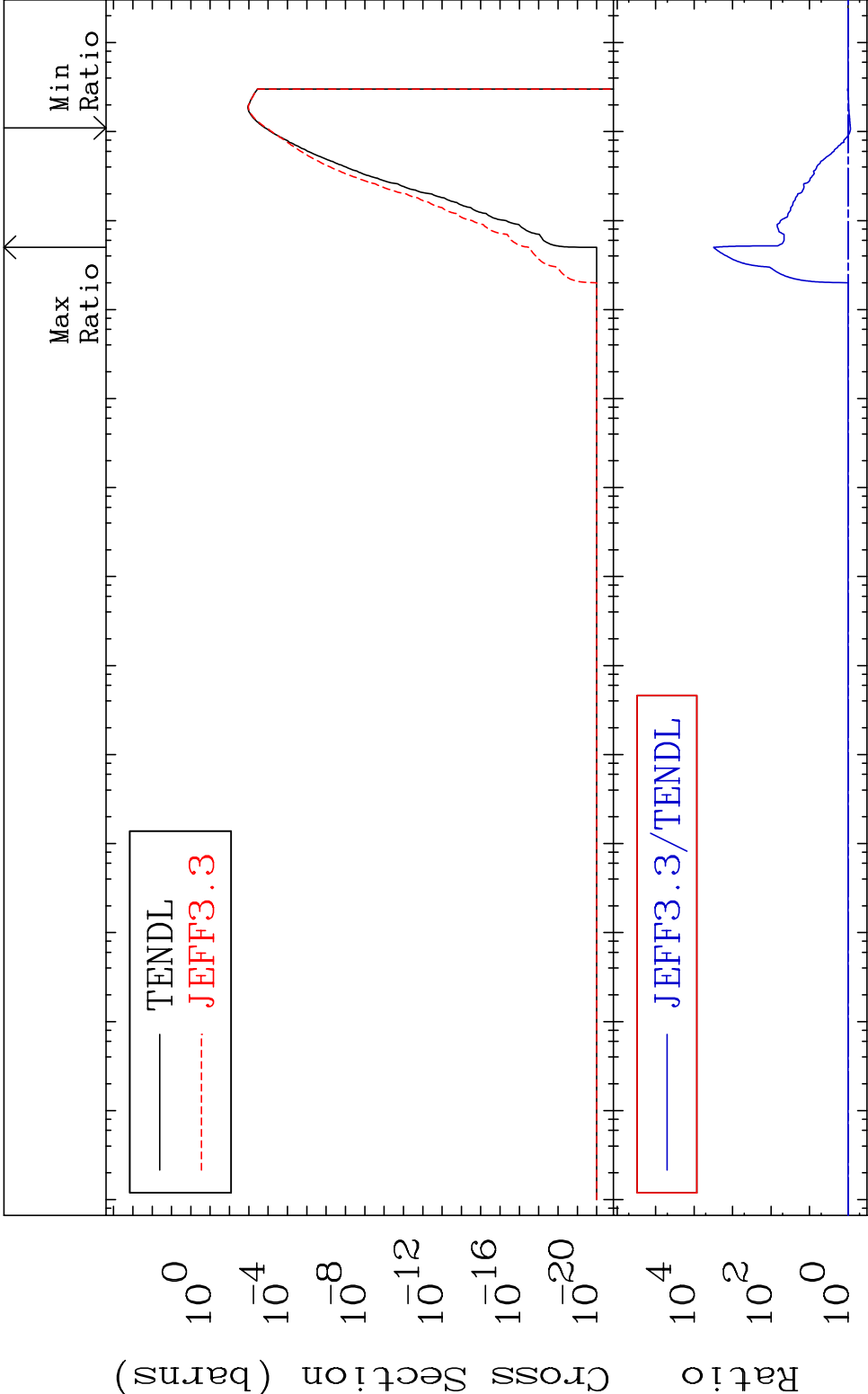


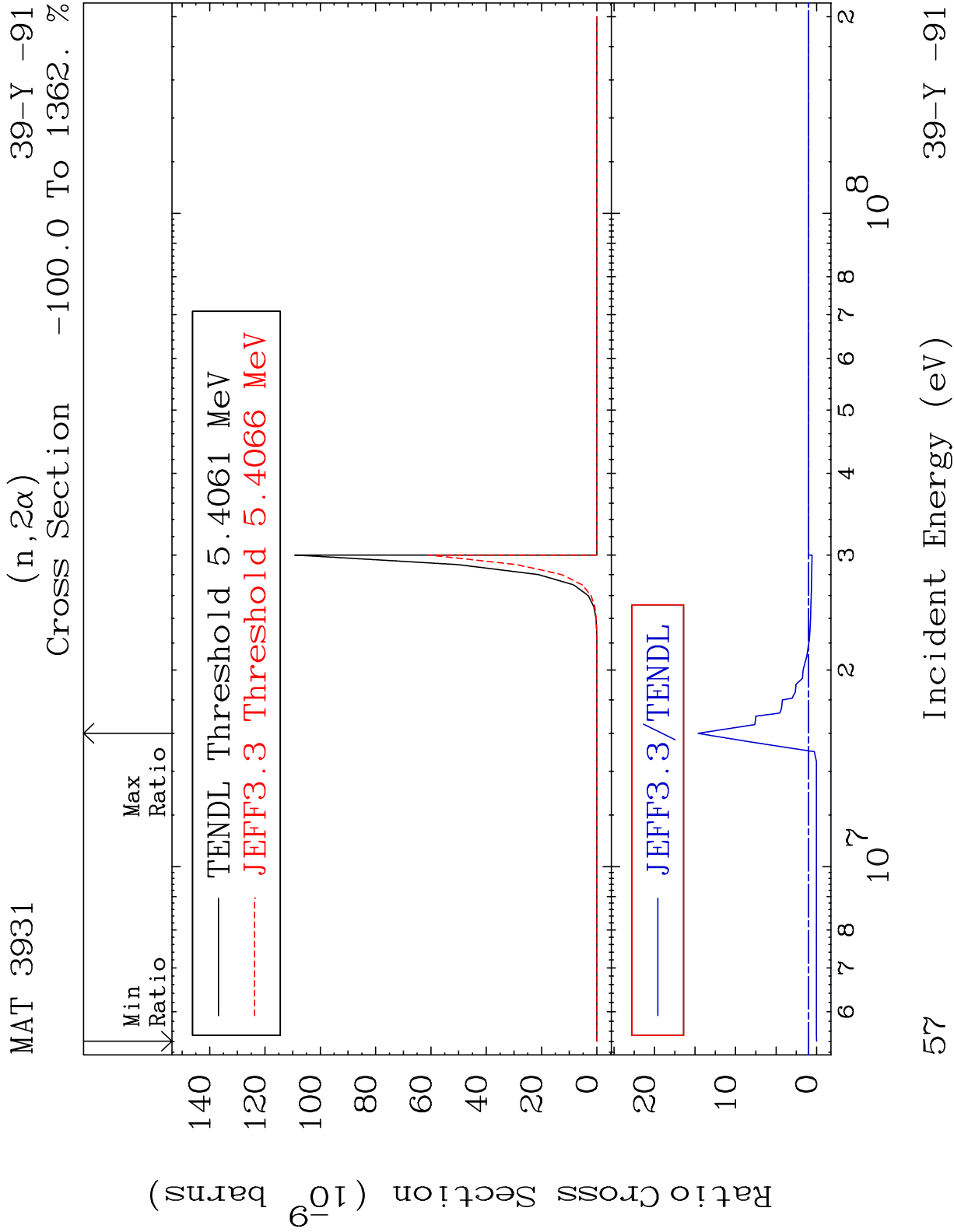
MAT 3931

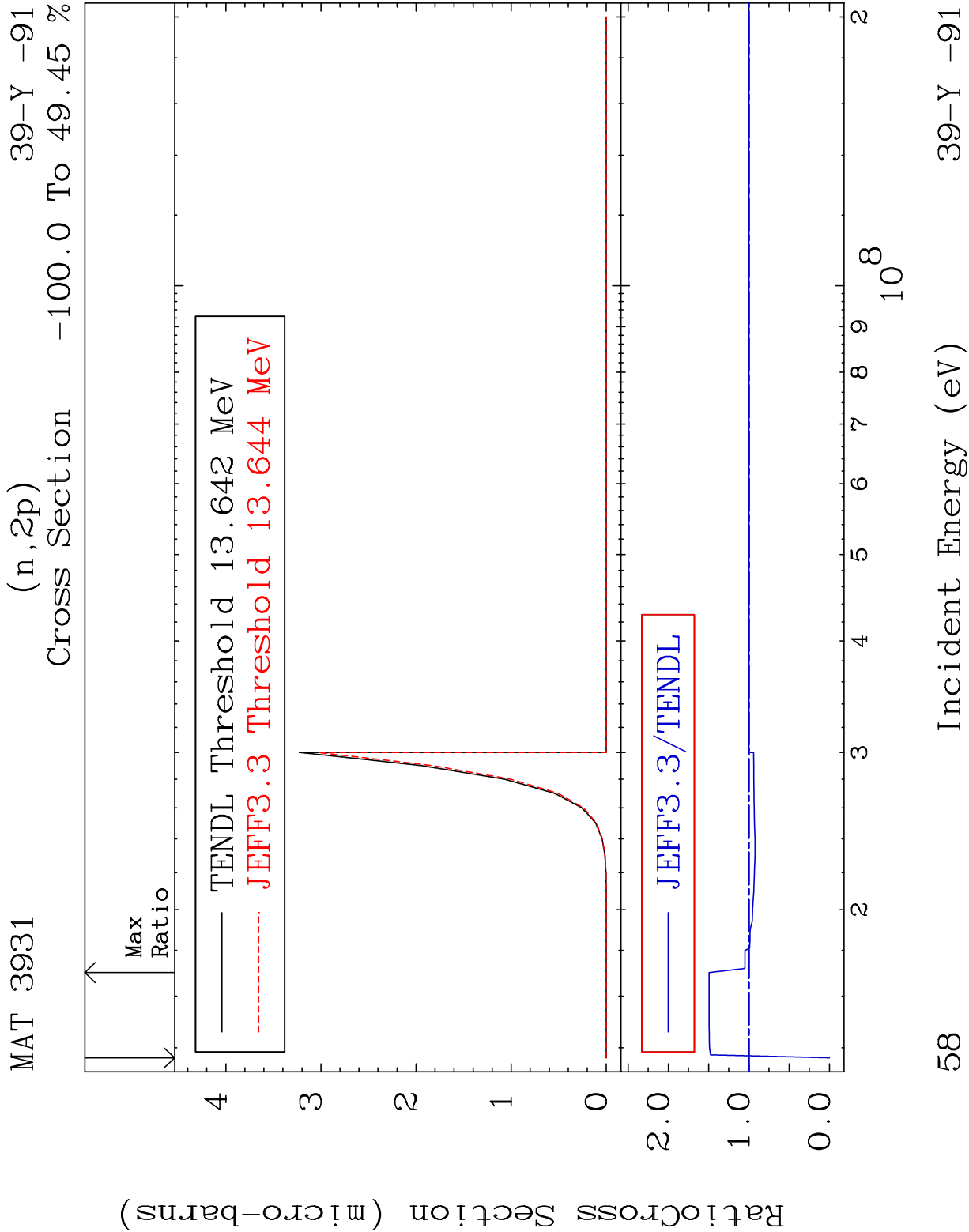
(n, α)

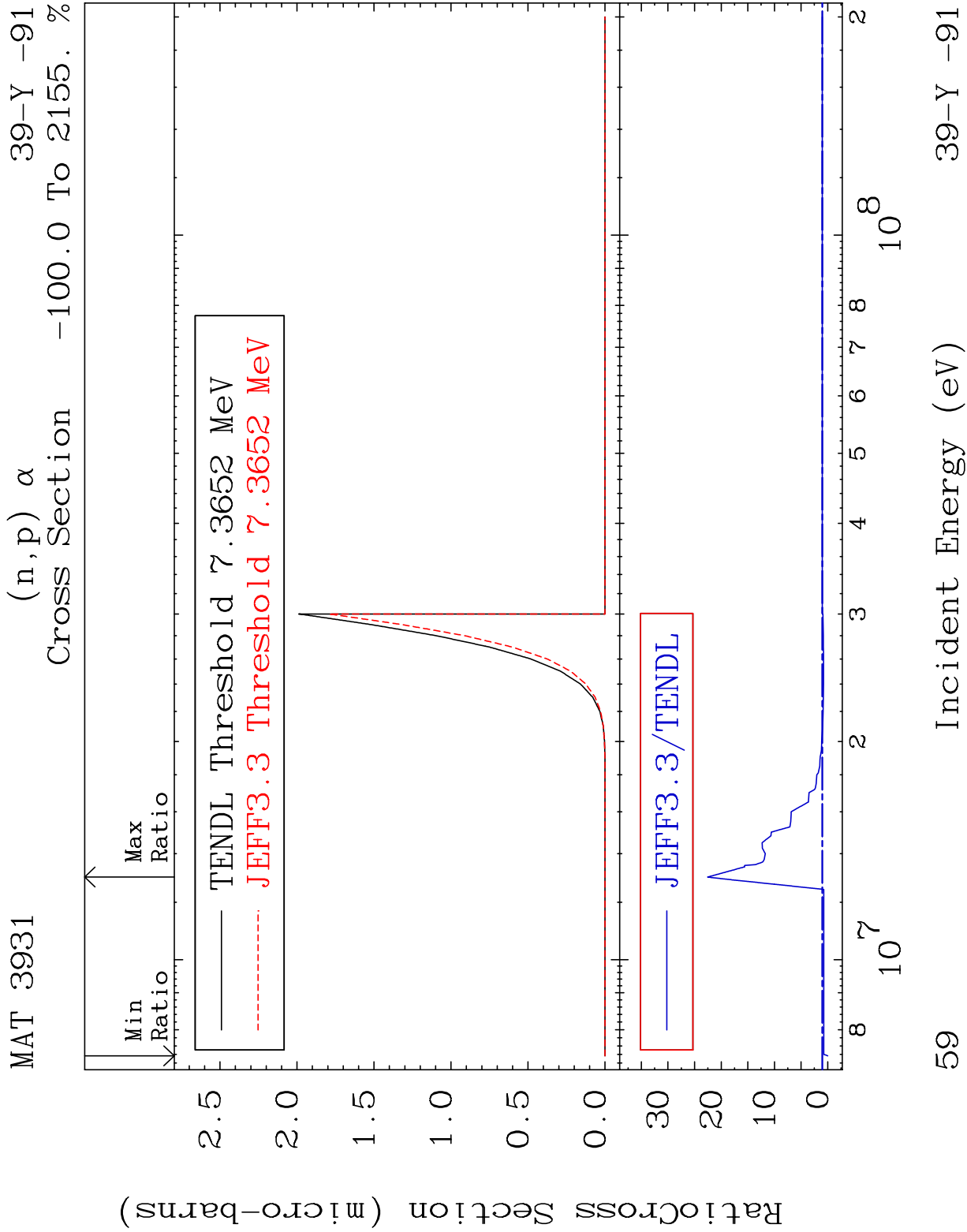
39-Y -91

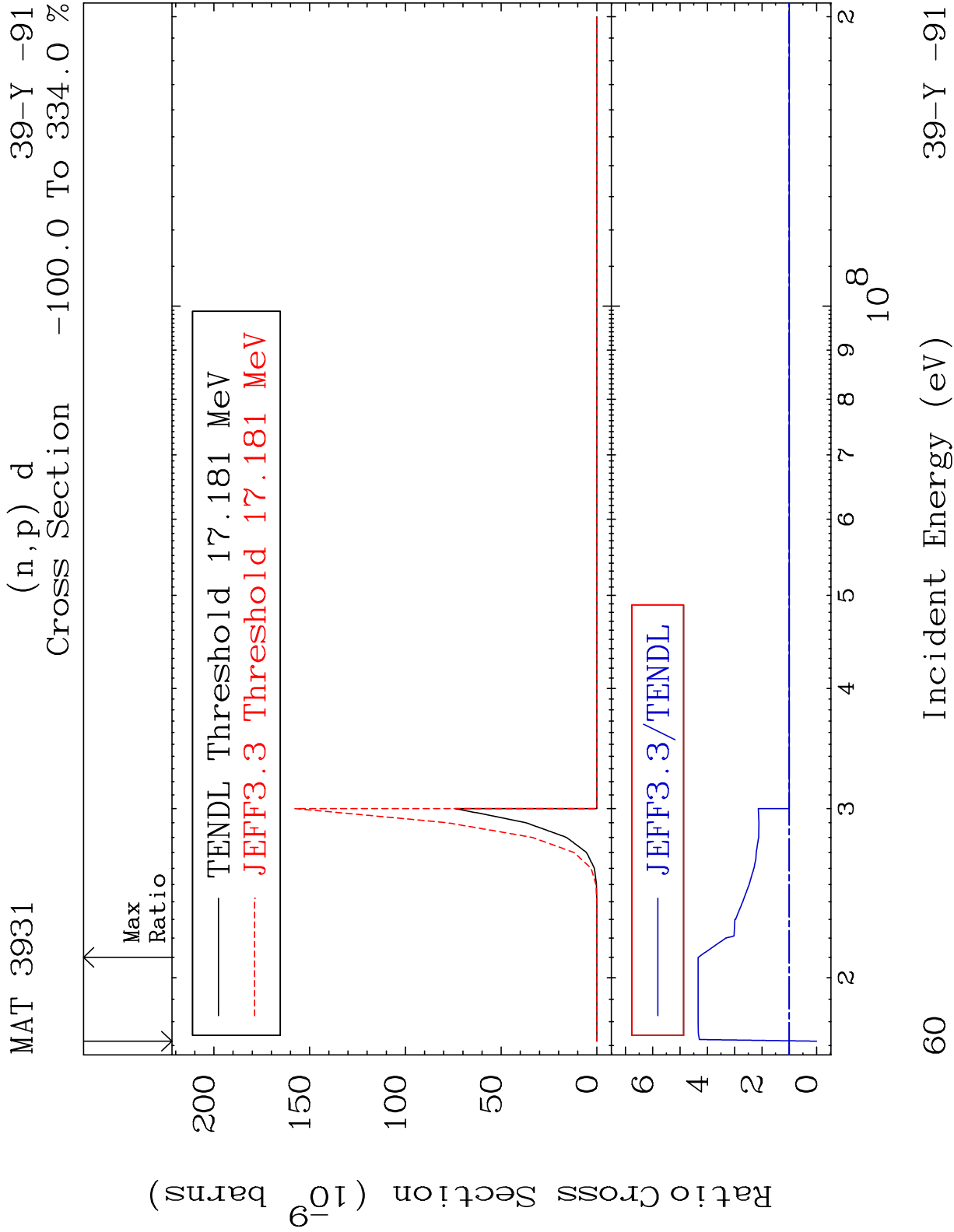
Cross Section -13.21 To 9999. %









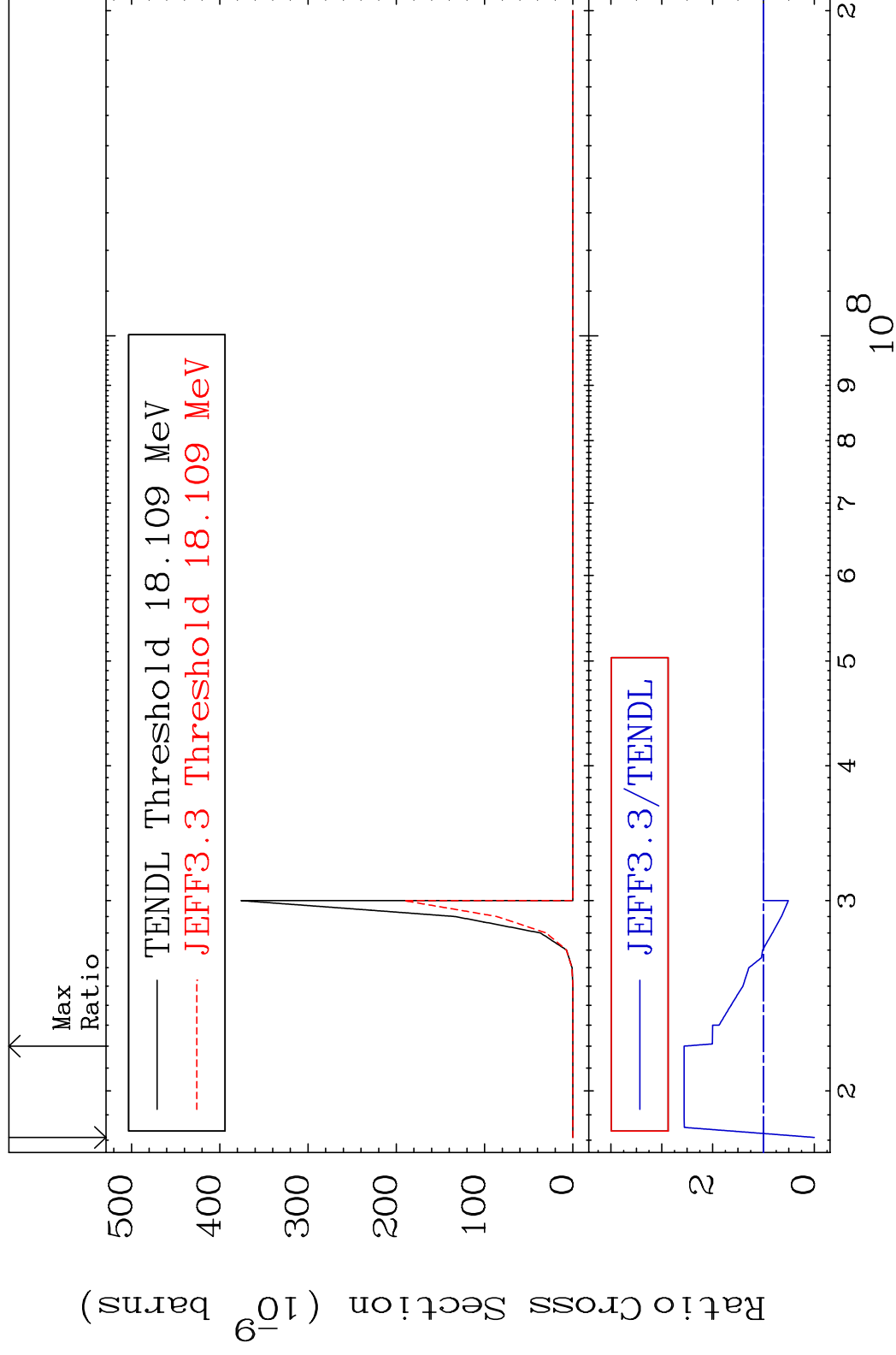


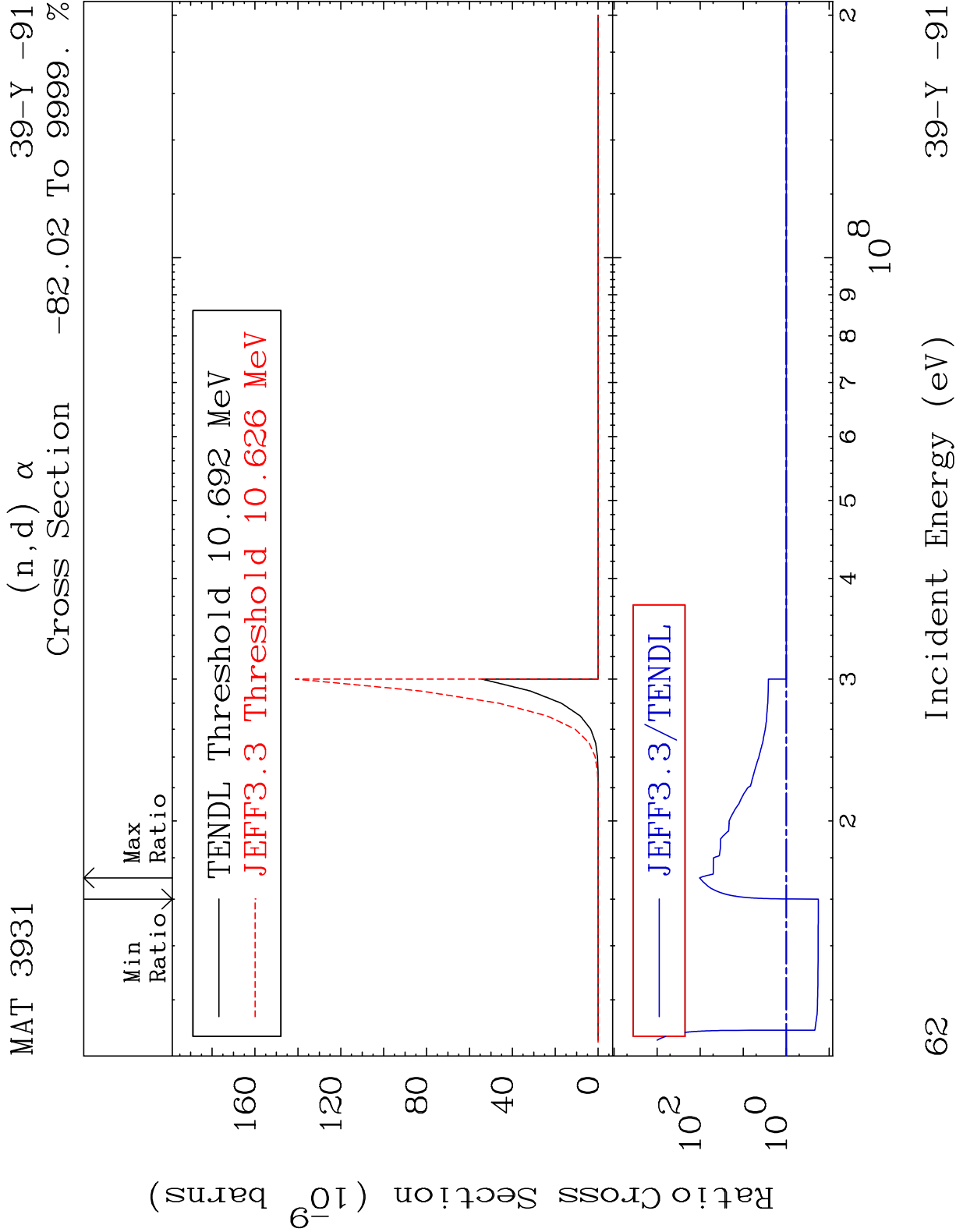
MAT 3931

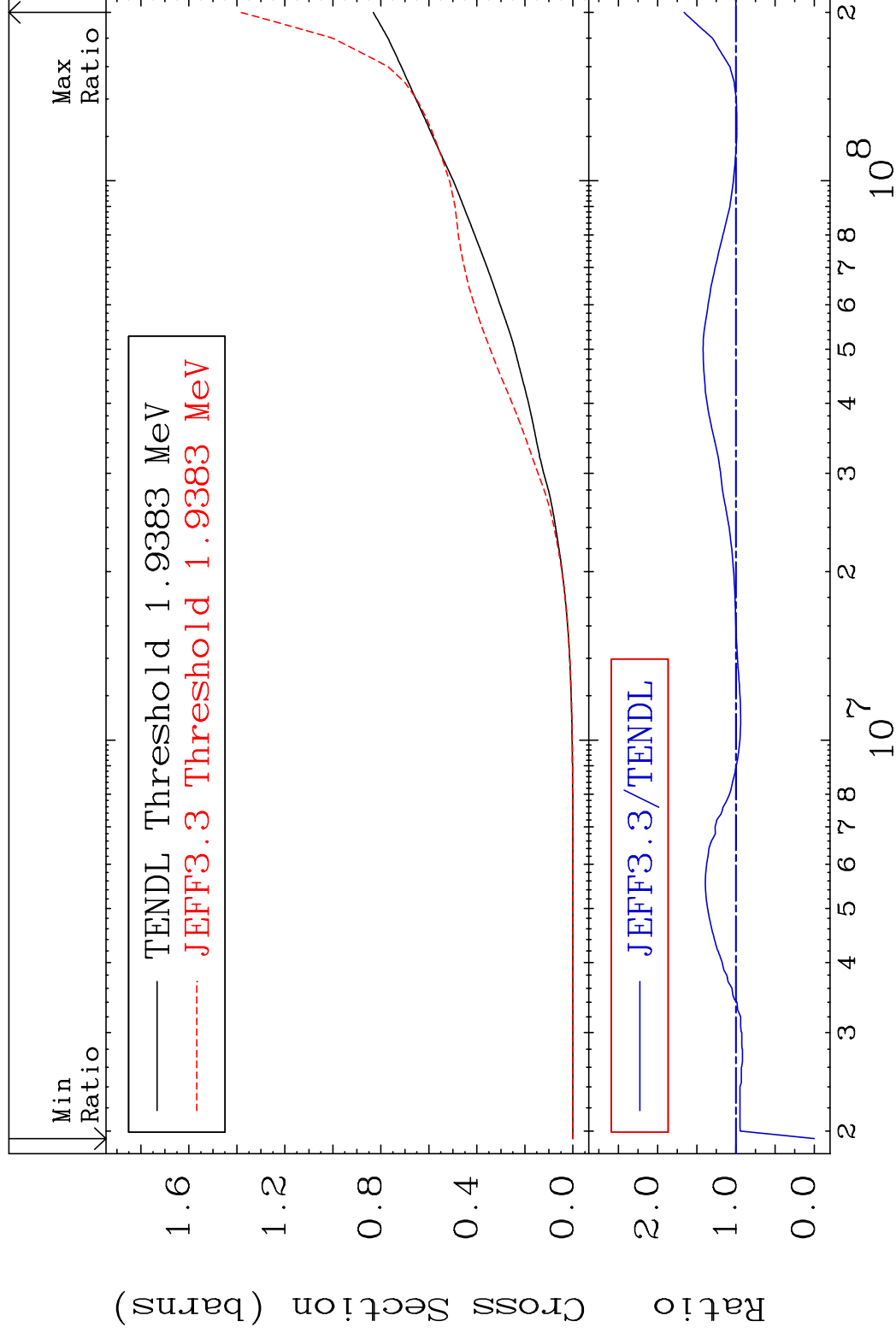
$$t(n, p)$$

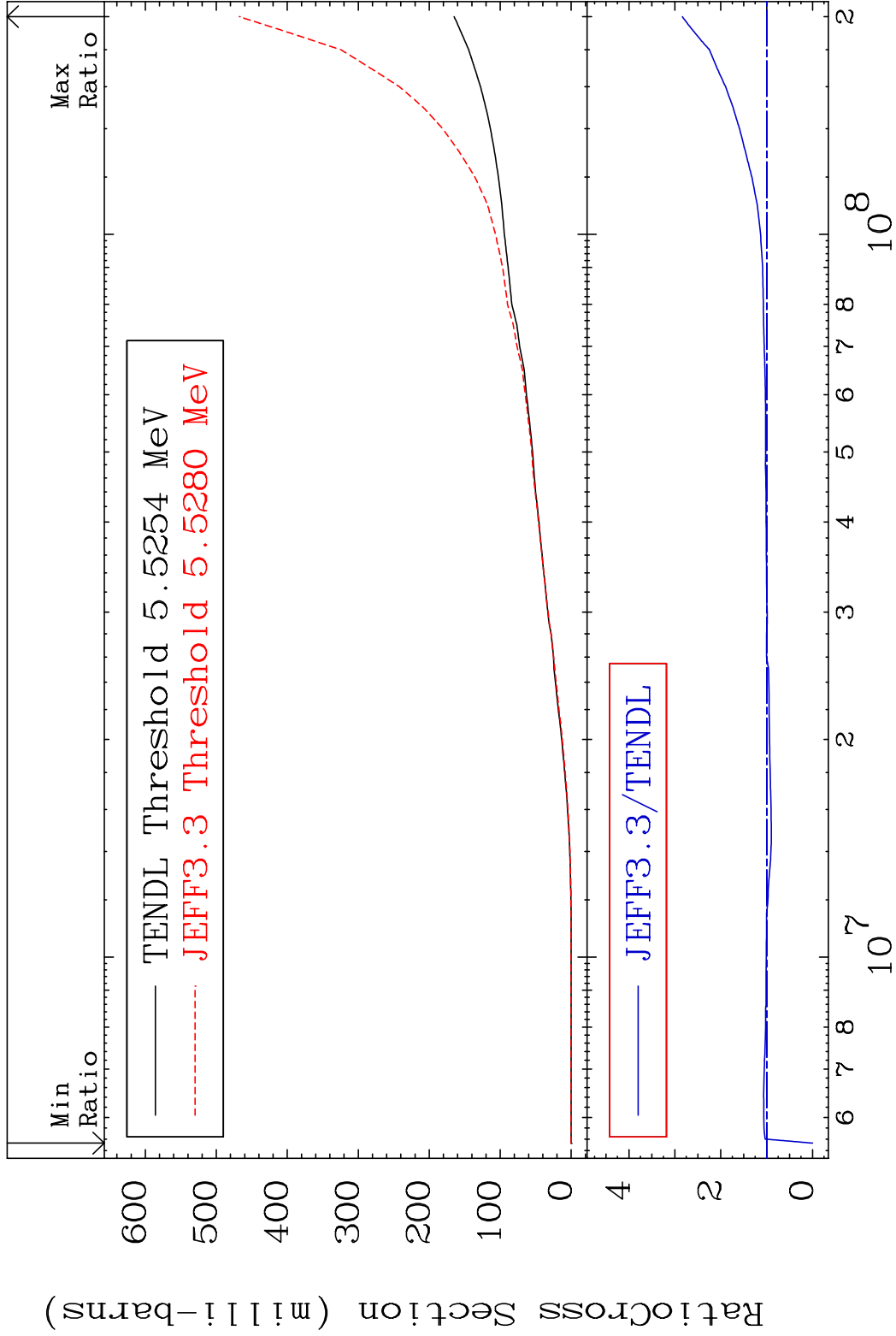
39-Y -91

Cross Section







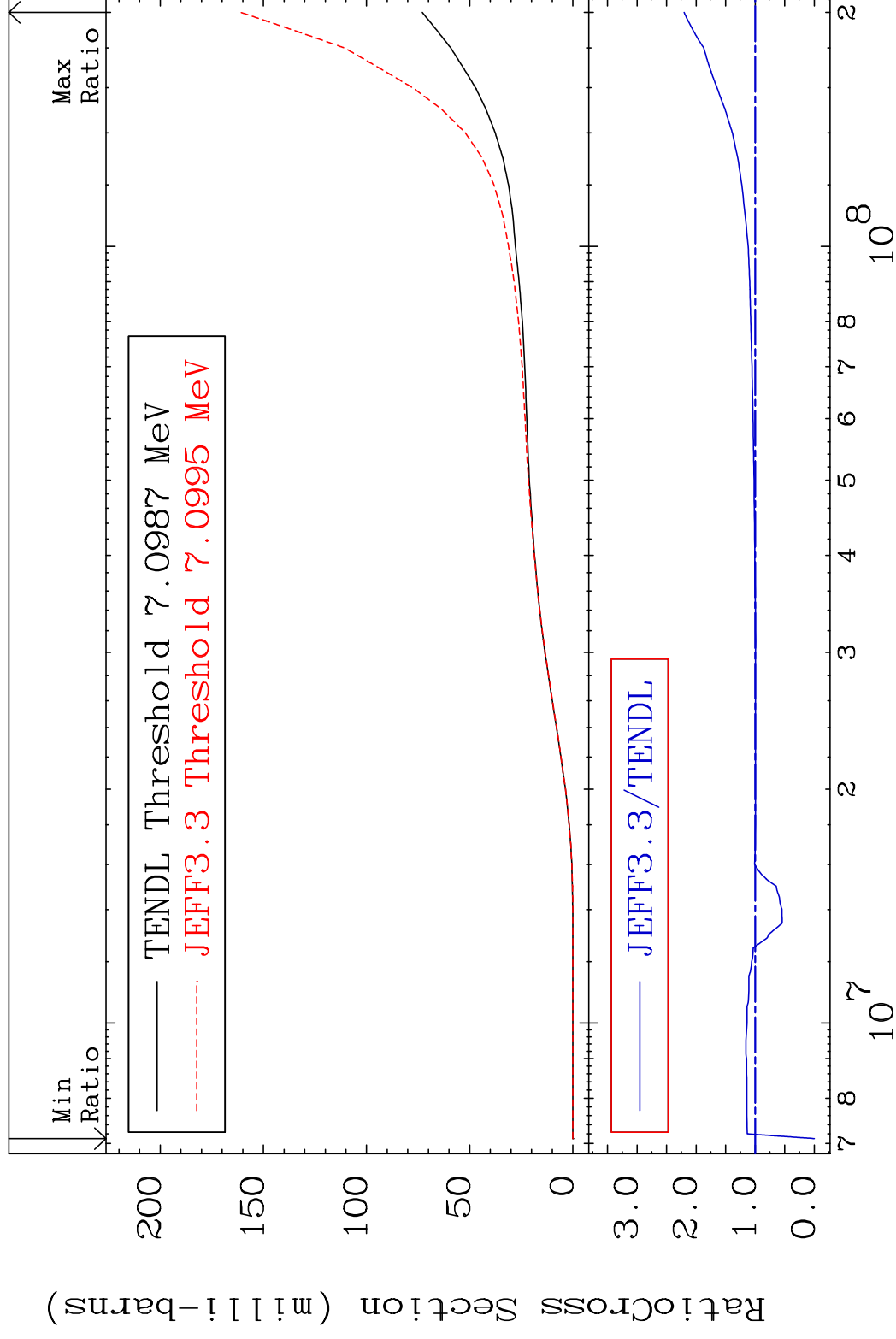


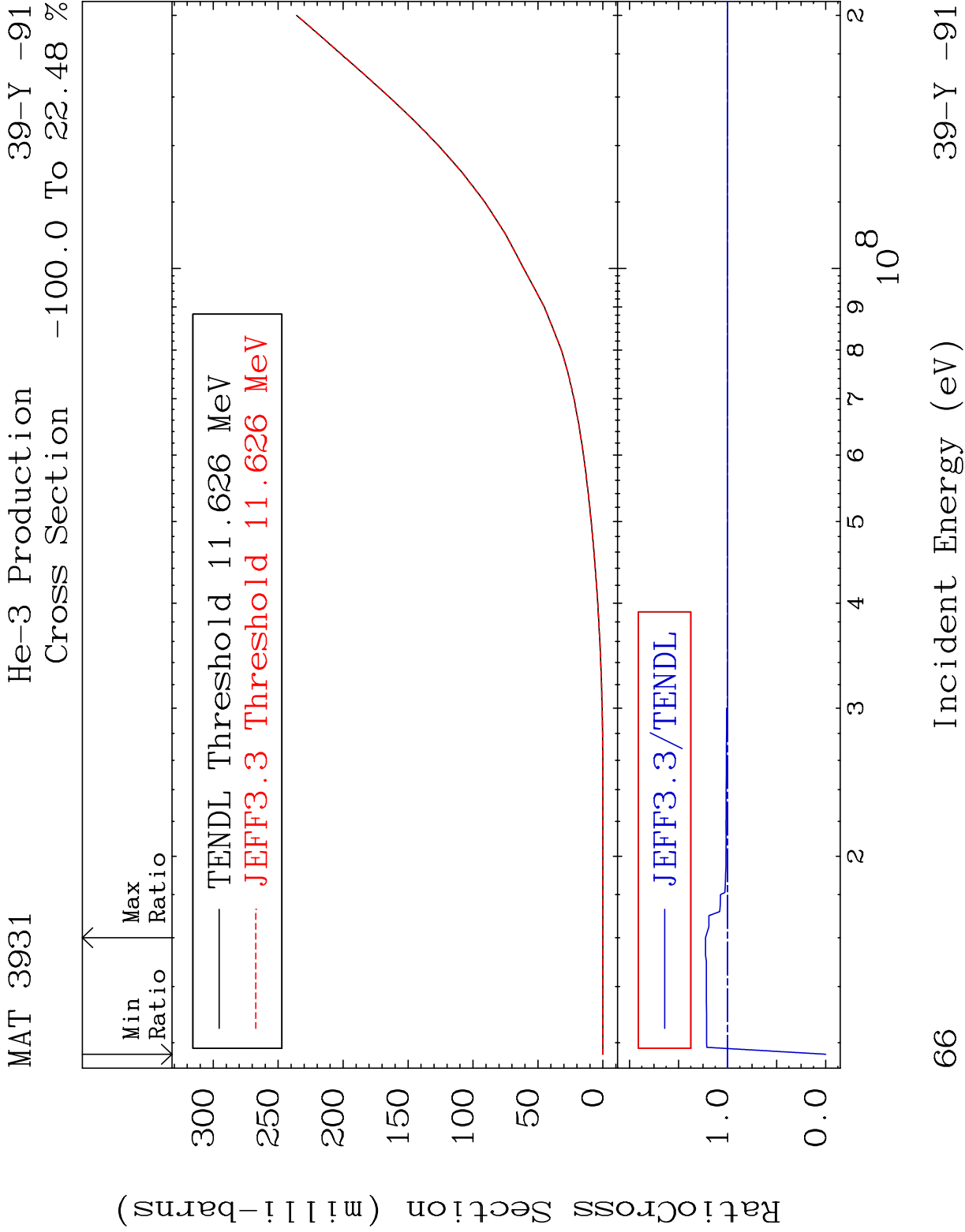
MAT 3931

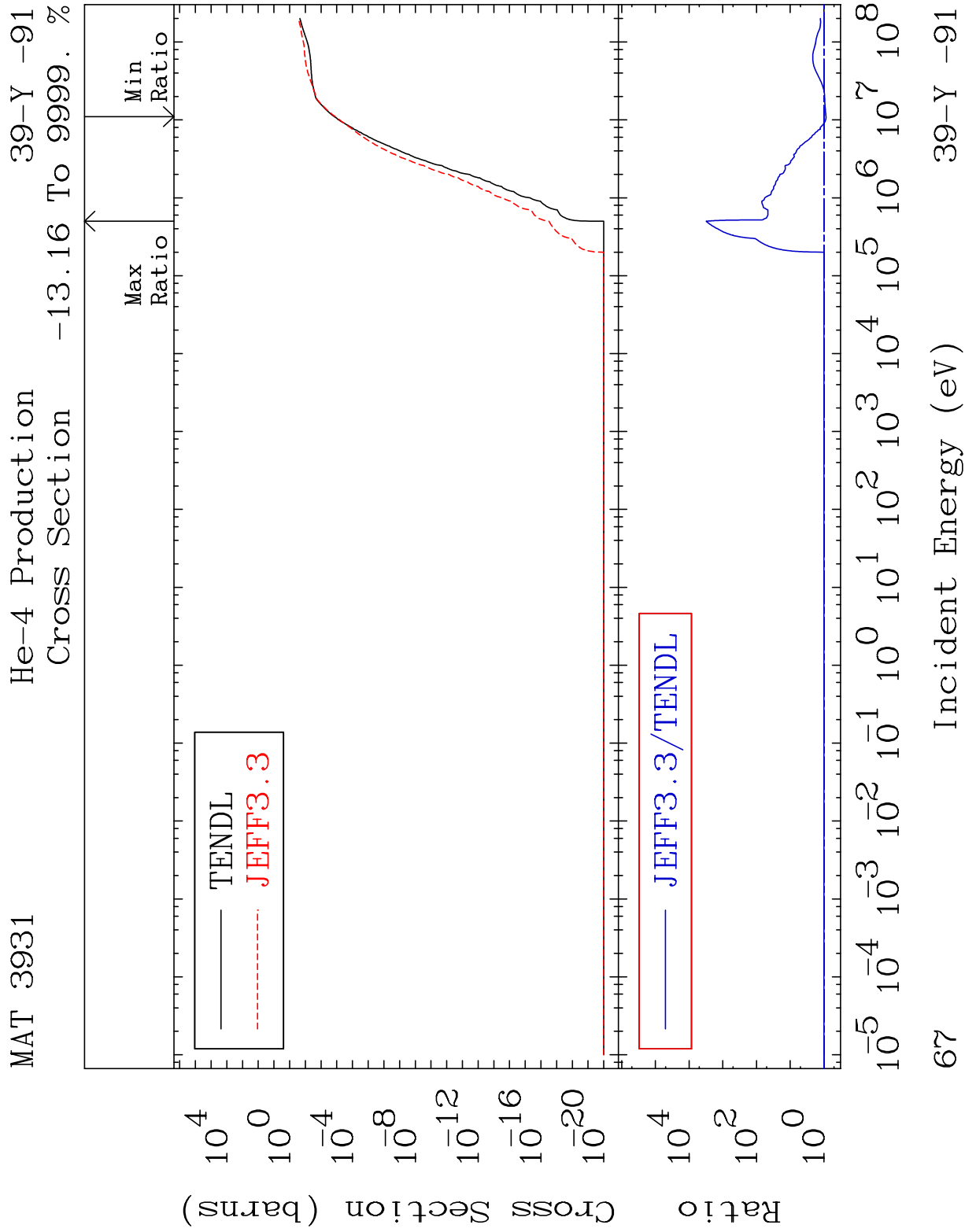
Tritium Production

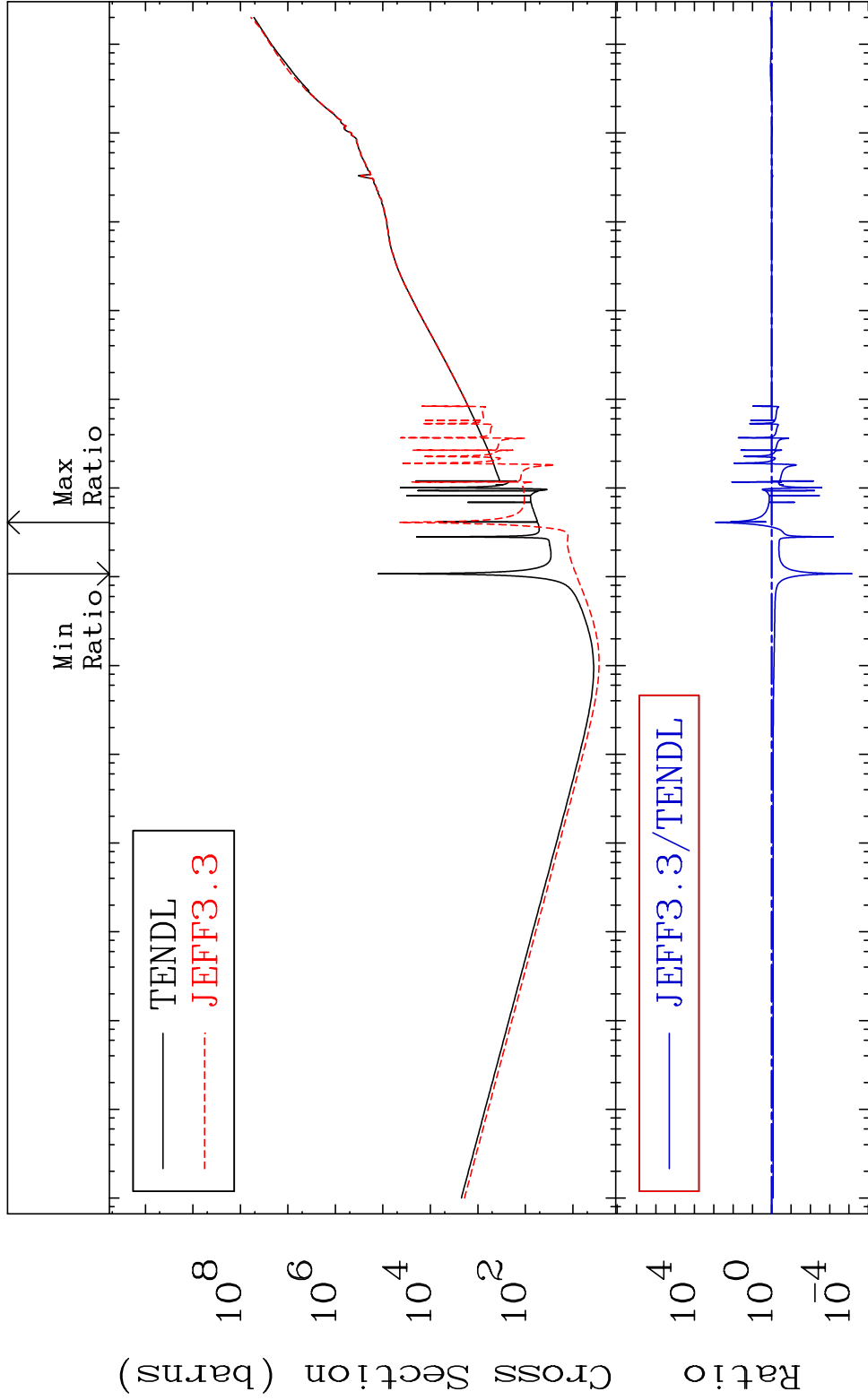
39-Y -91

Cross Section -100.0 To 120.4 %





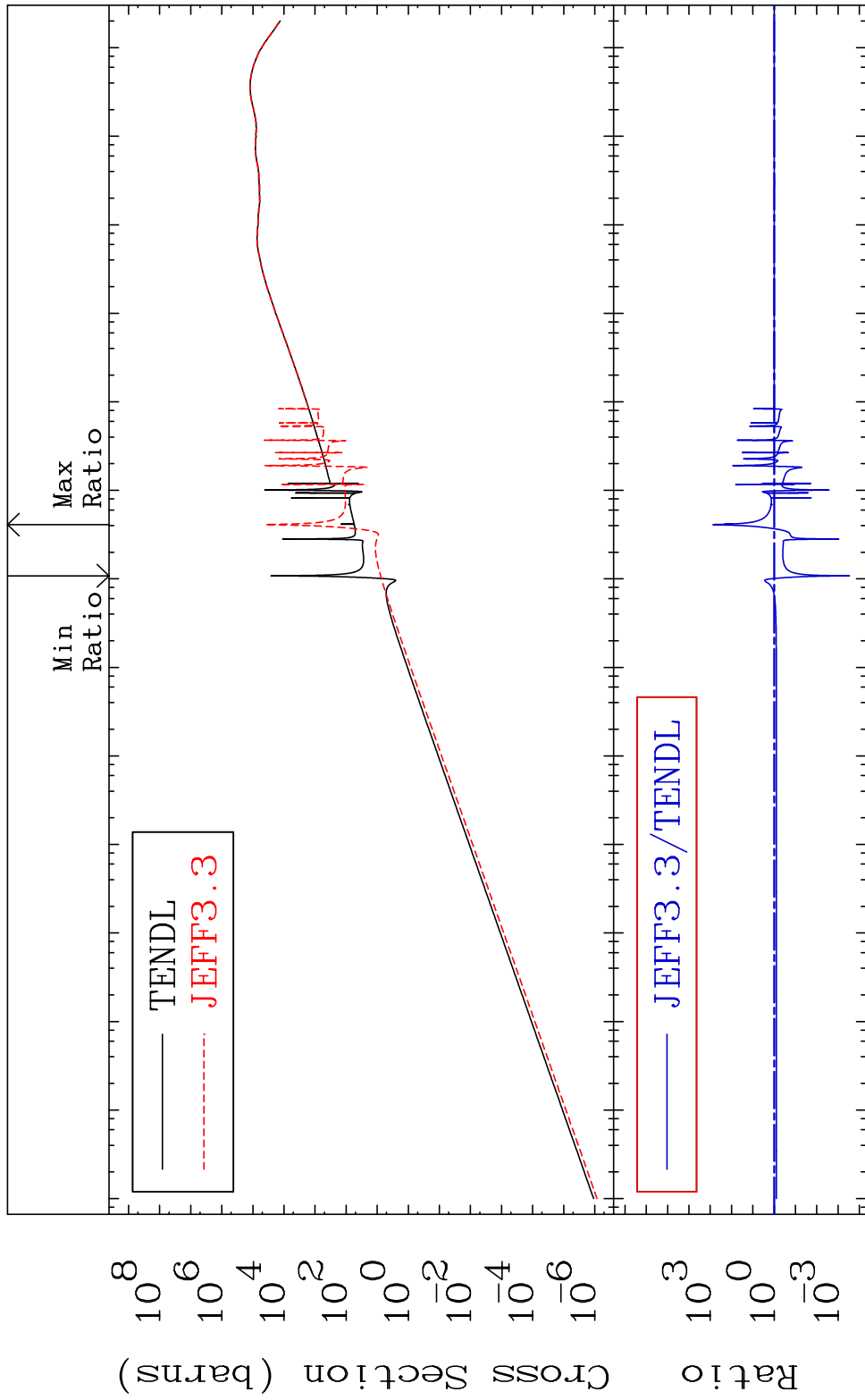




MAT 3931

Kerma elastic
Cross Section

39-Y -91
-99.97 To 9999. %



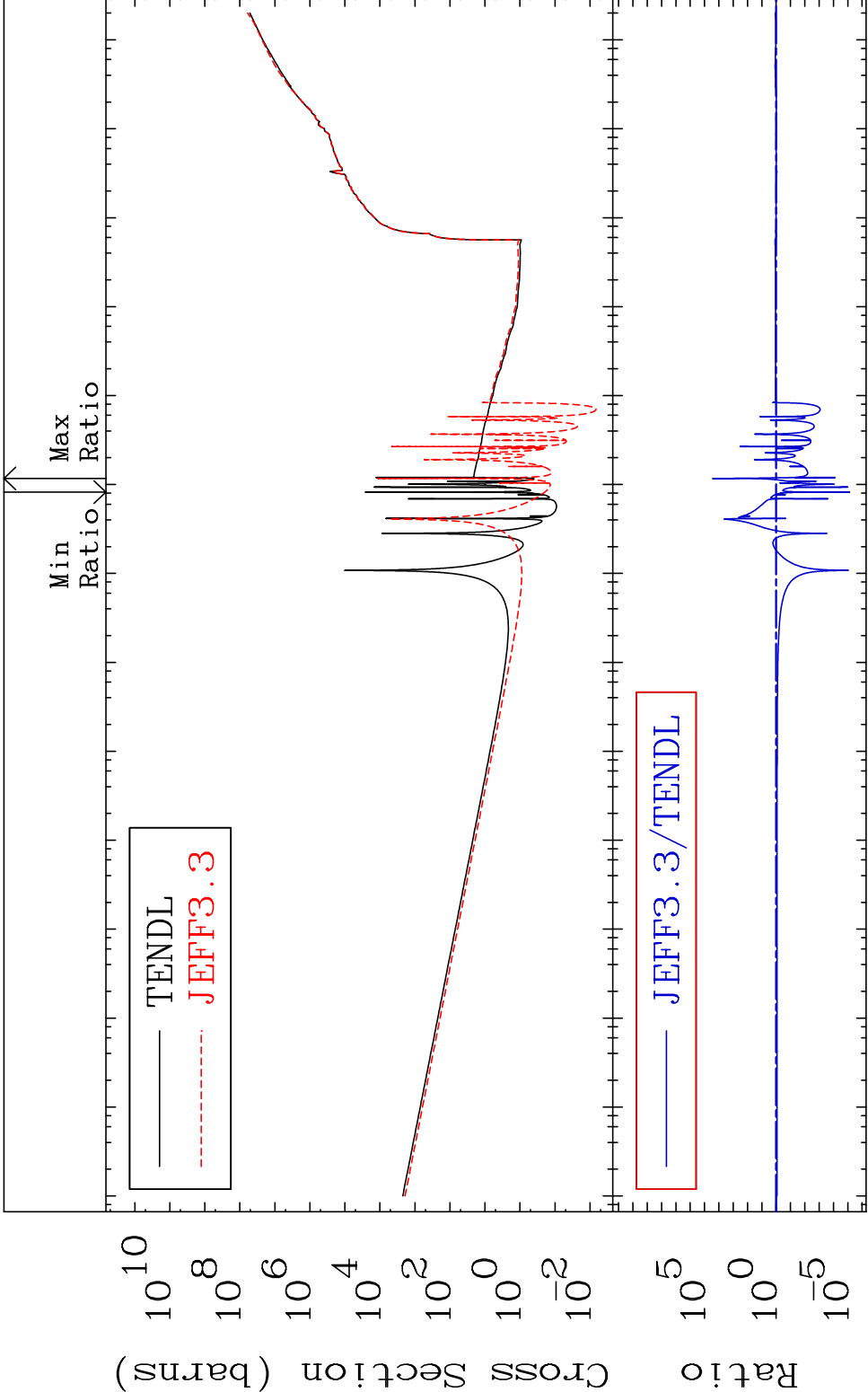
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

69

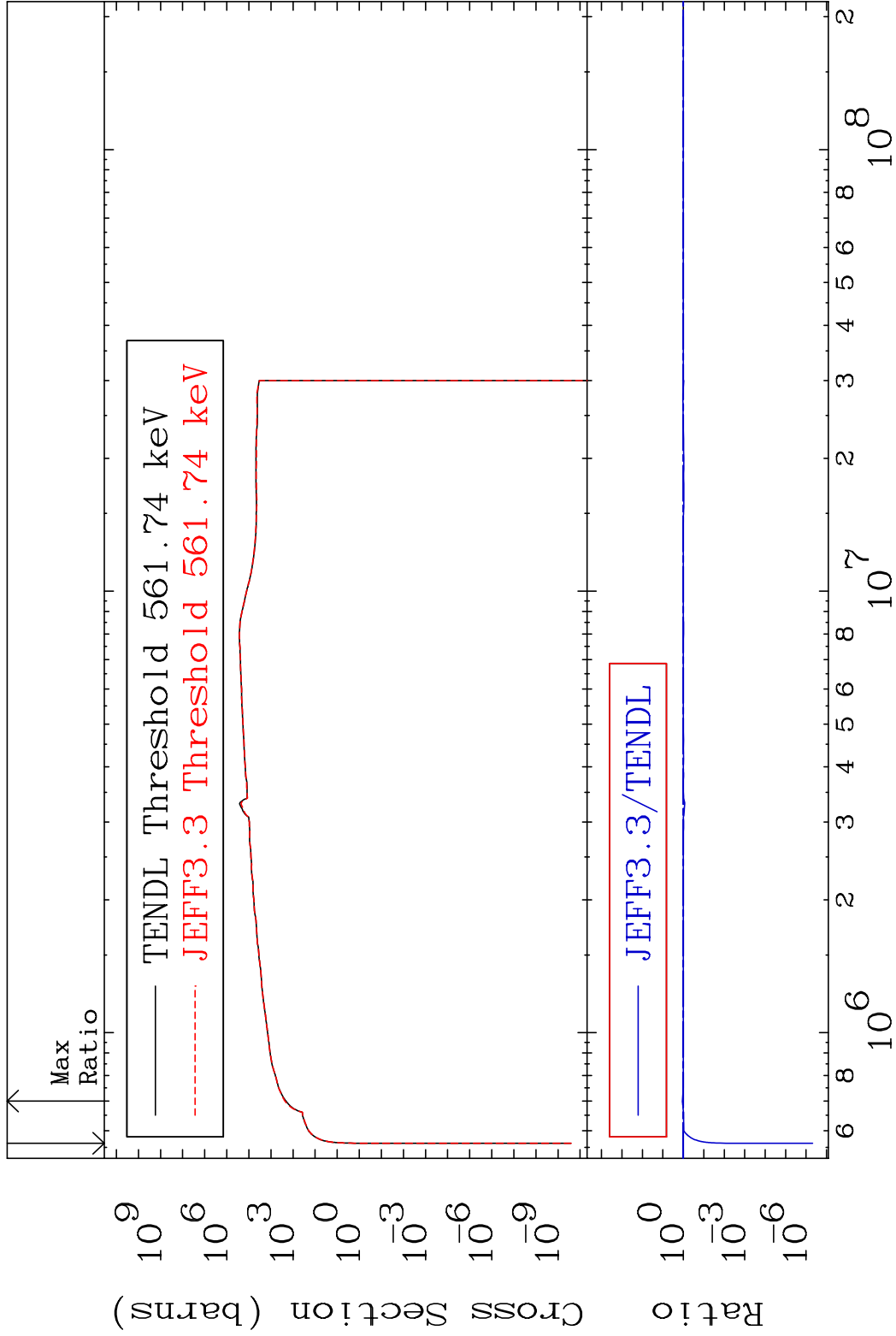
Incident Energy (eV)

39-Y -91

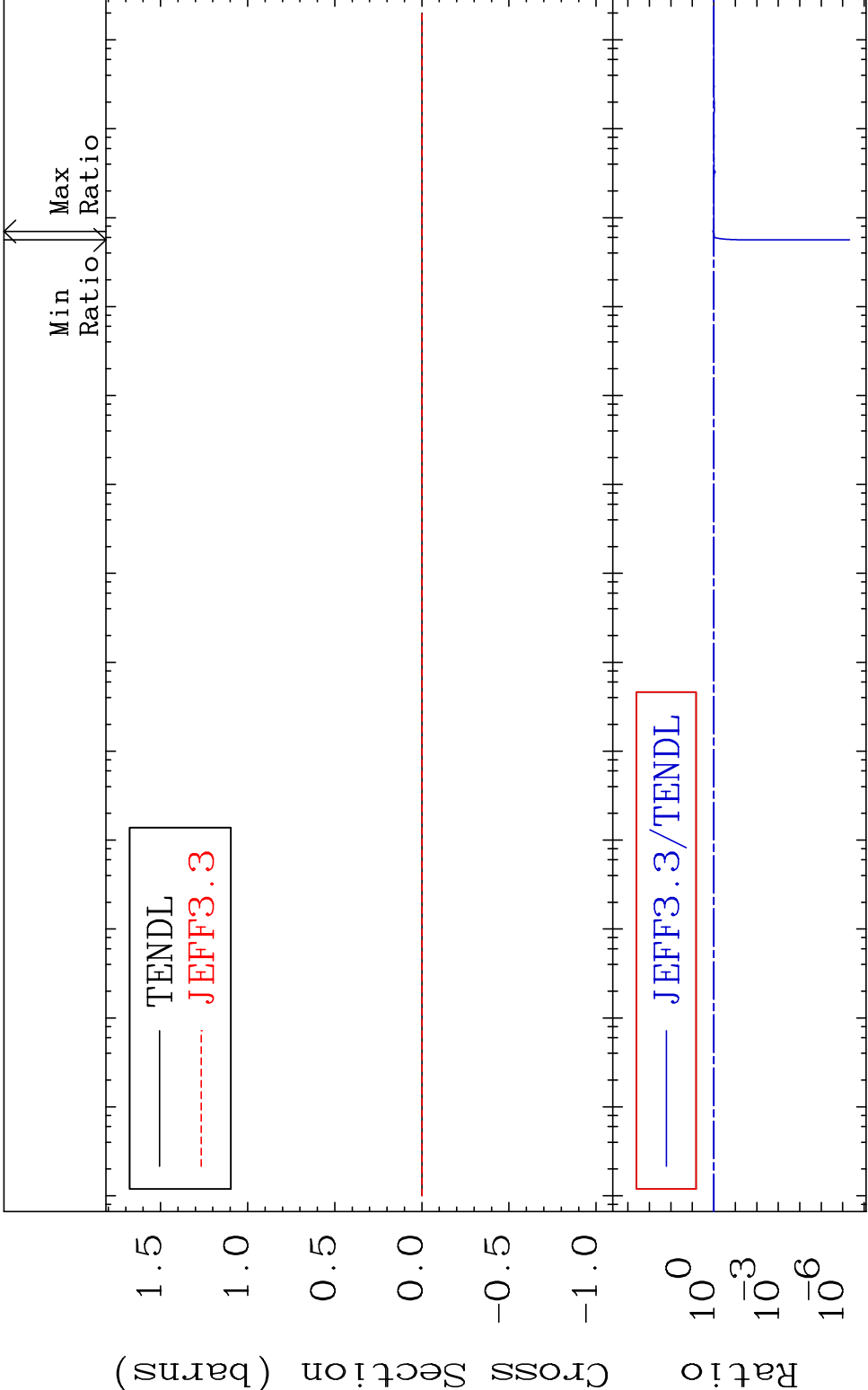
MAT 3931 Kerma non-elastic (all but mt2) 39-Y -91
Cross Section -100.0 To 9999. %



70 Incident Energy (eV) 39-Y -91

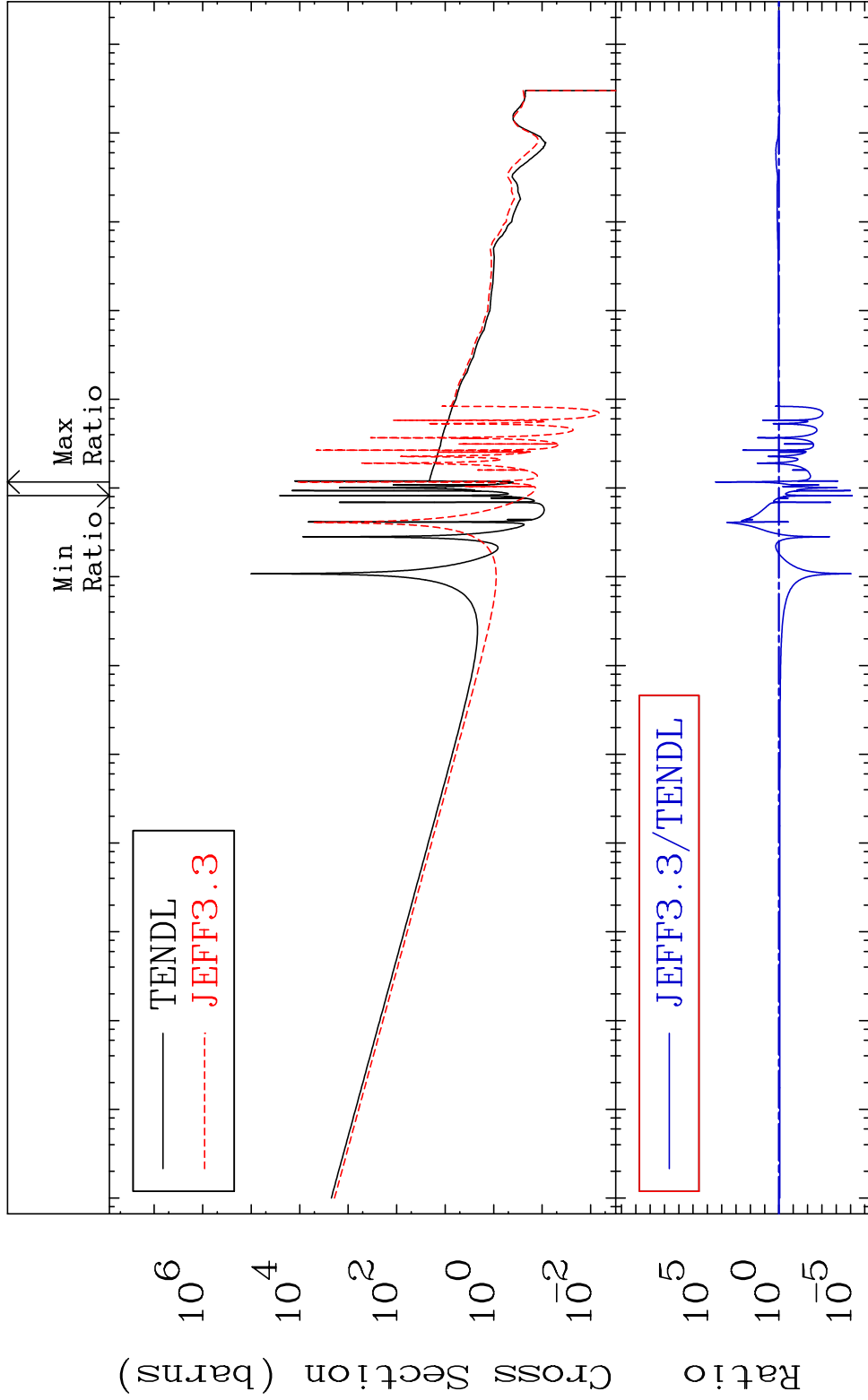


MAT 3931 Kerma fission (mt18 or mt19-20-21-38) 39-Y -91
Cross Section -100.0 To 11.63 %



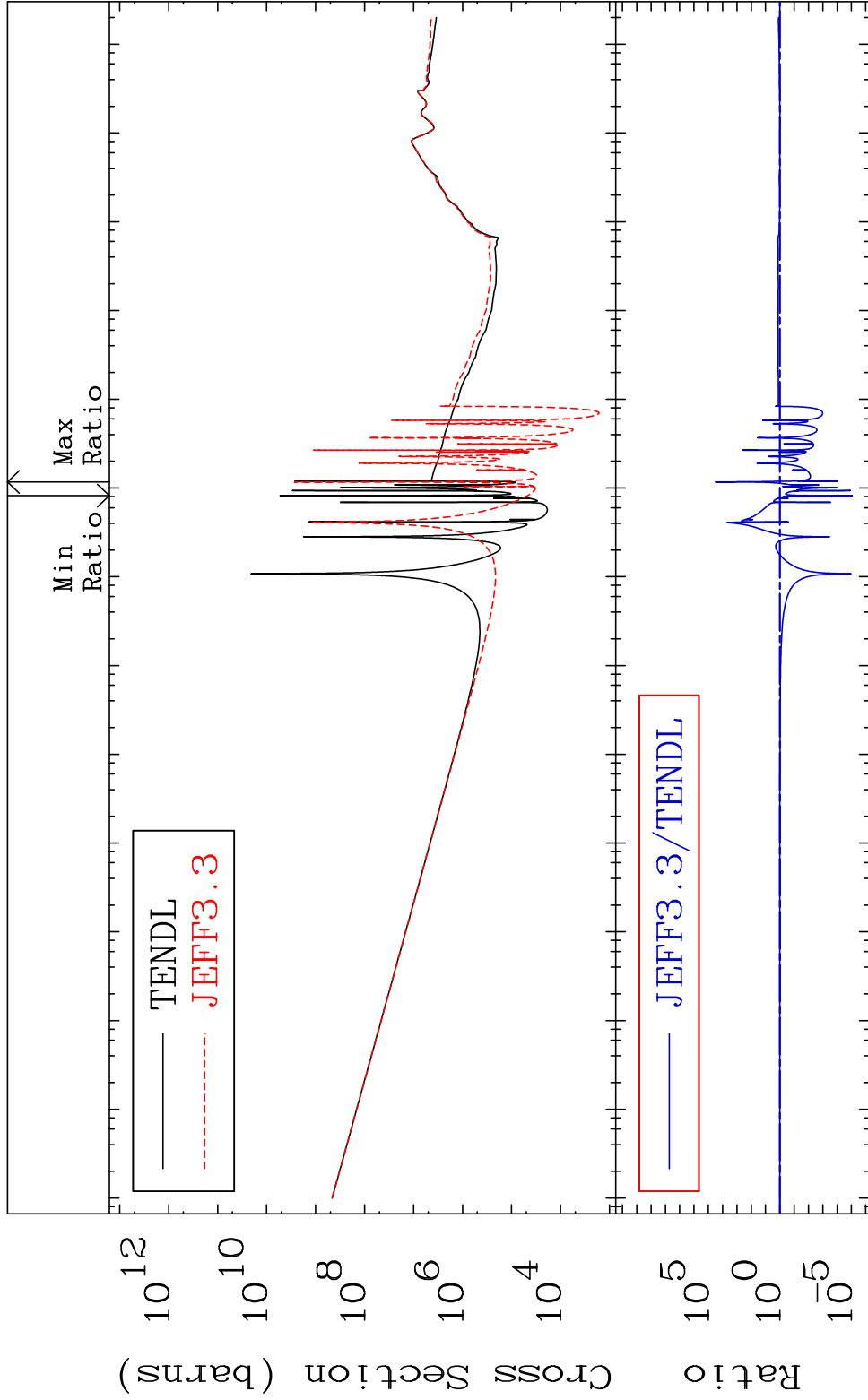
72 Incident Energy (eV) 39-Y -91

MAT 3931 Kerma capture (mt102) 39-Y -91
Cross Section -100.0 To 9999. %



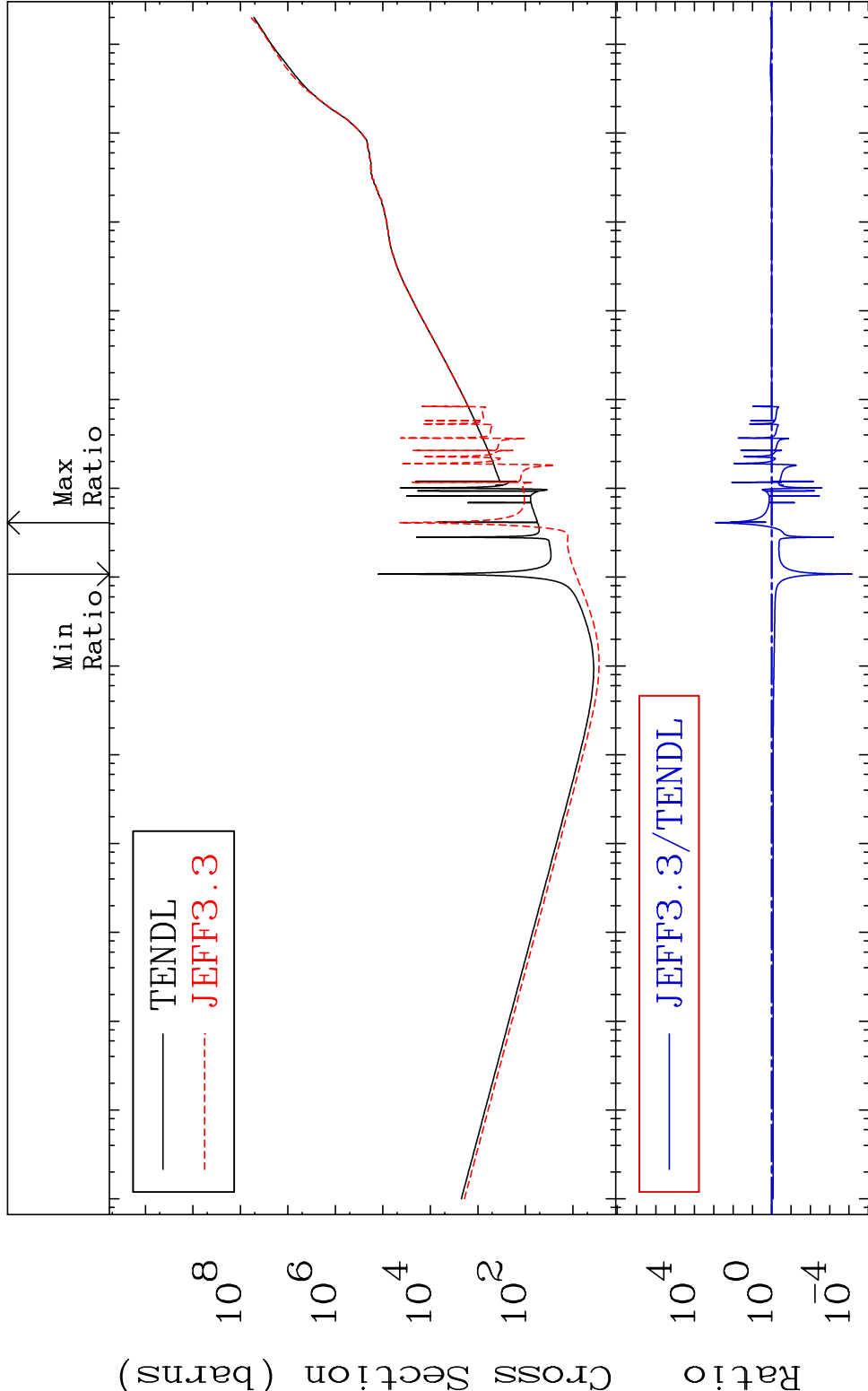
73 Incident Energy (eV) 39-Y -91

MAT 3931 Total photon (eV-barns) 39-Y -91
Cross Section -100.0 To 9999. %

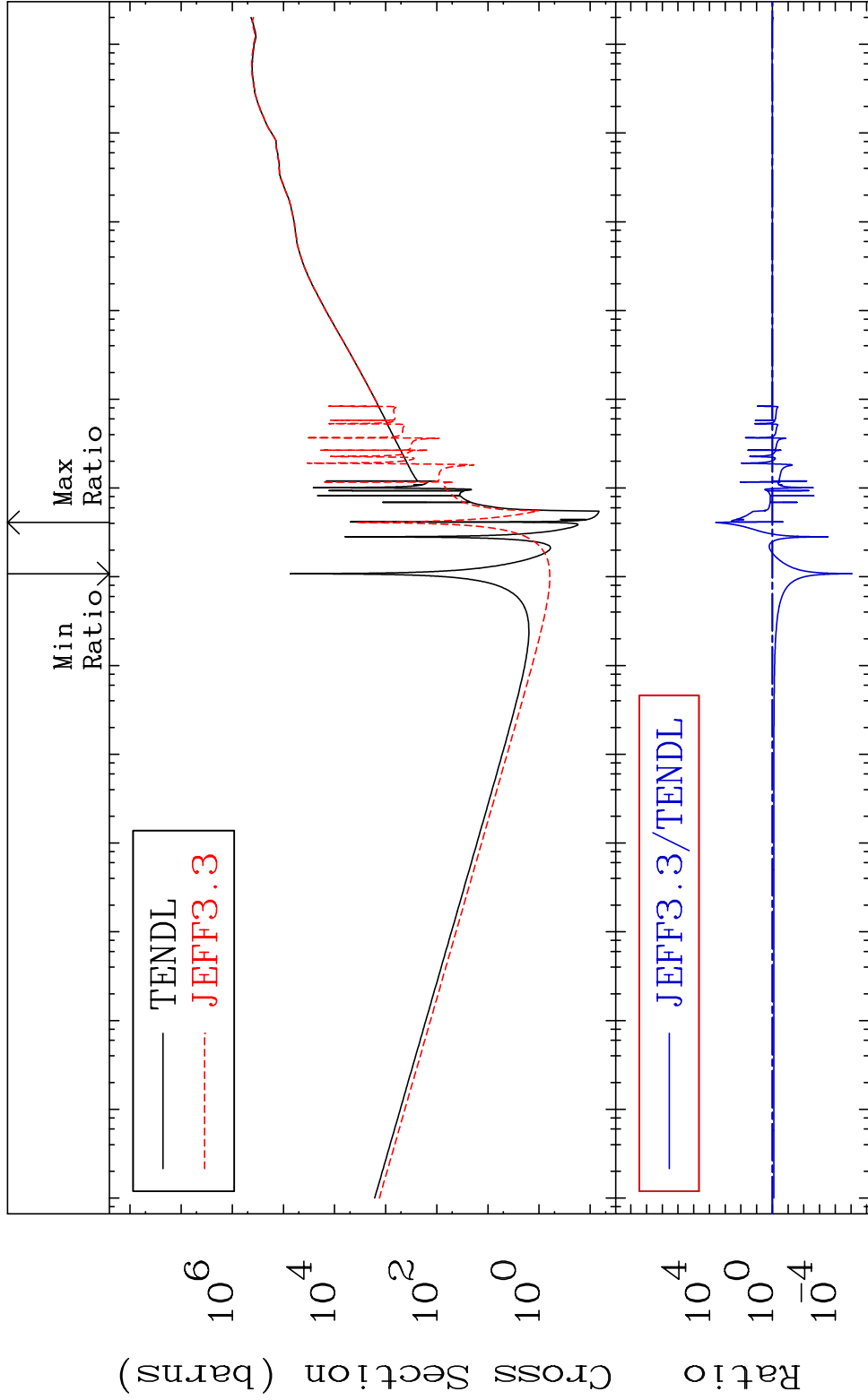


74 Incident Energy (eV) 39-Y -91

MAT 3931 Total kinematic kerma (high limit) 39-Y -91
Cross Section -99.99 To 9999. %

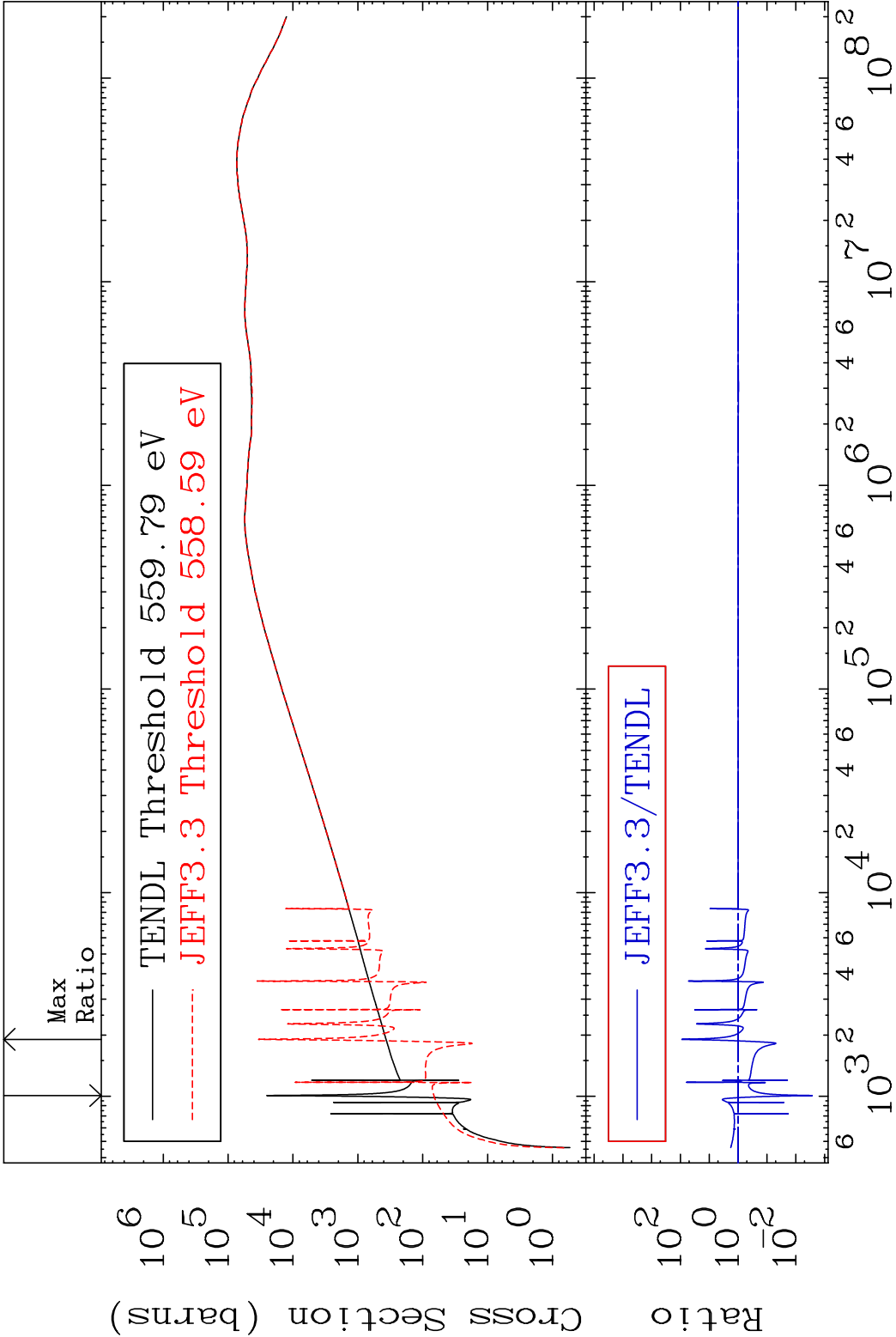


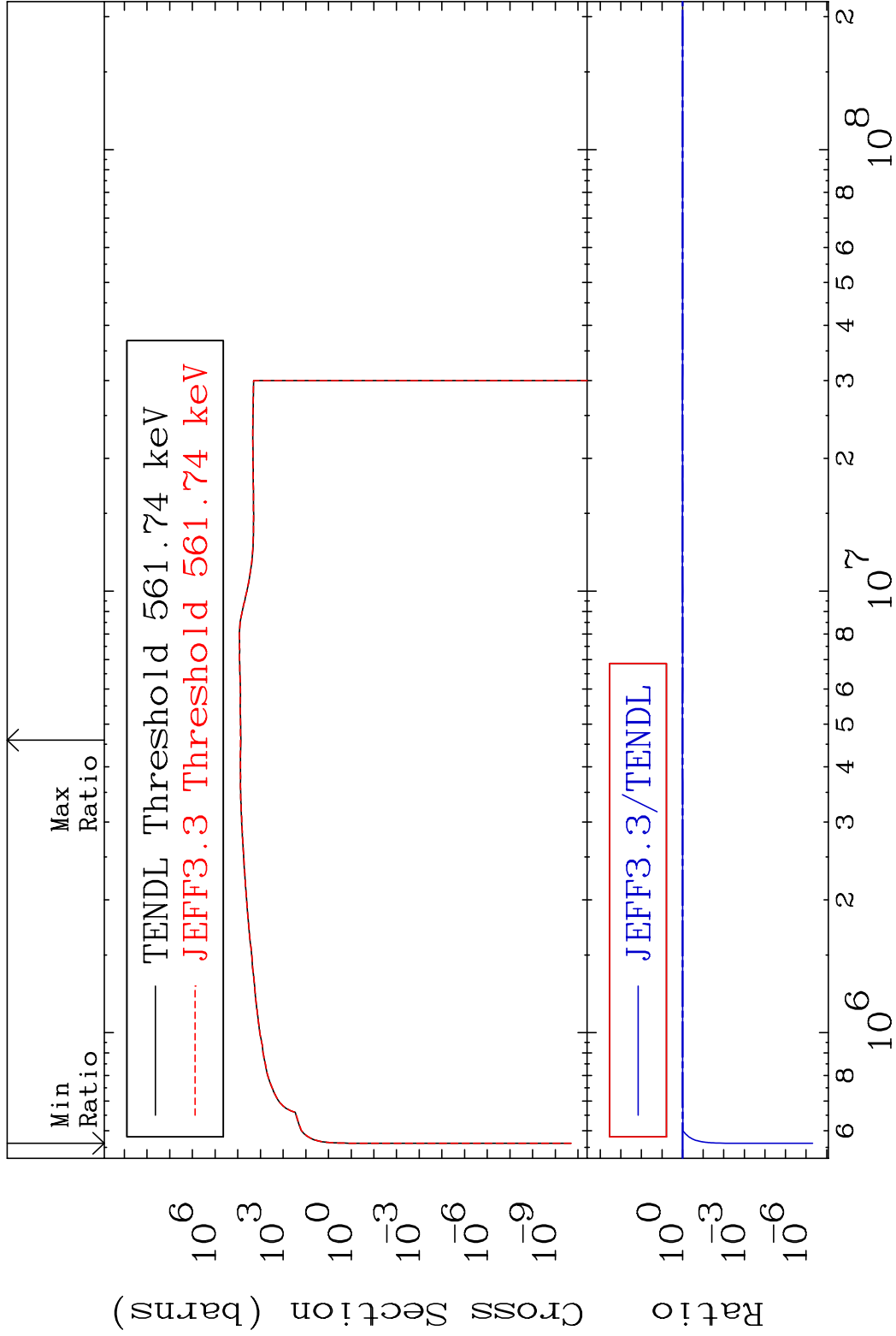
MAT 3931 Dpa total (eV-barns) 39-Y -91
Cross Section -100.0 To 9999. %



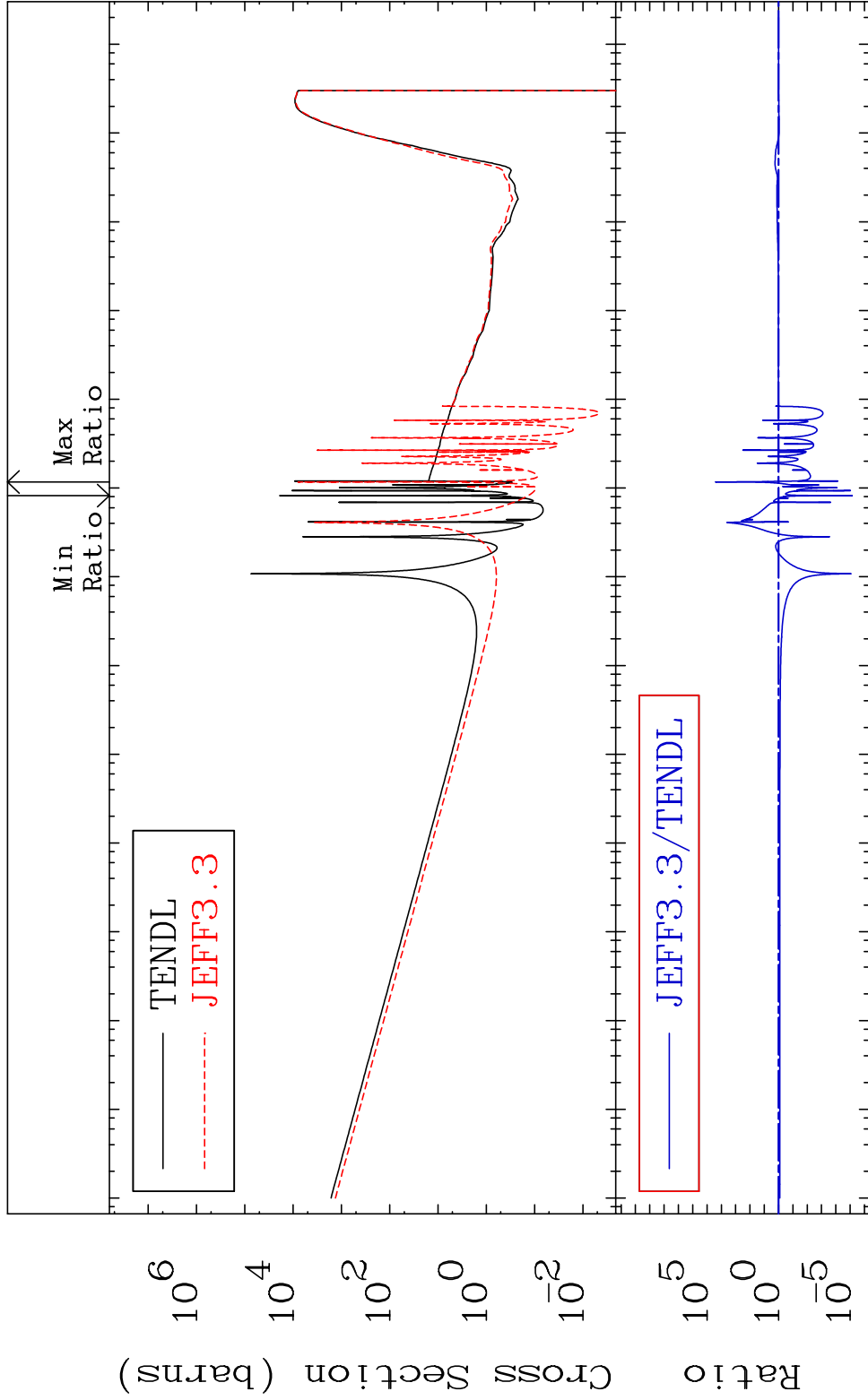
76 Incident Energy (eV) 39-Y -91

MAT 3931 Dpa elastic (mt2) 39-Y -91
 Cross Section -99.73 To 9105. %

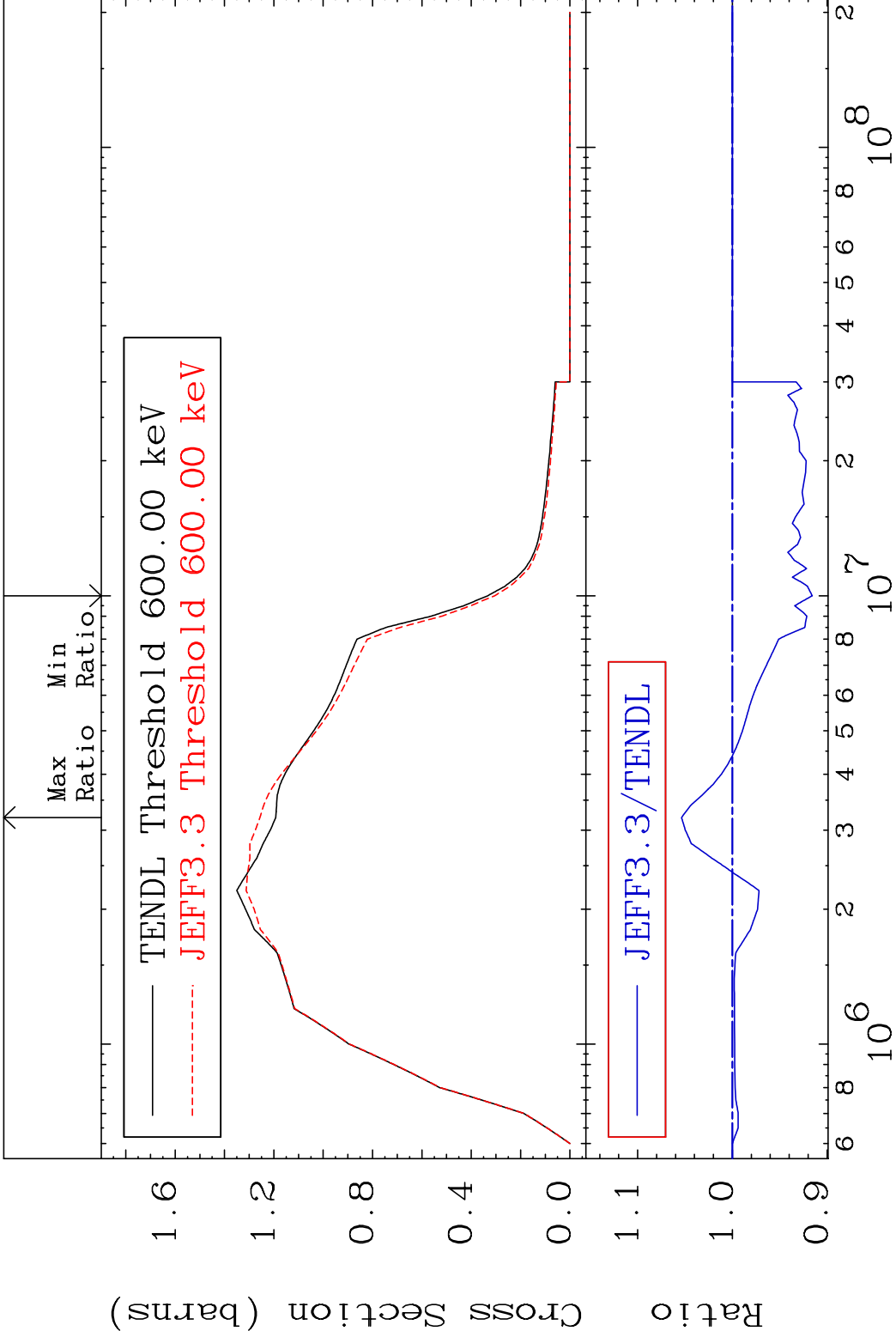


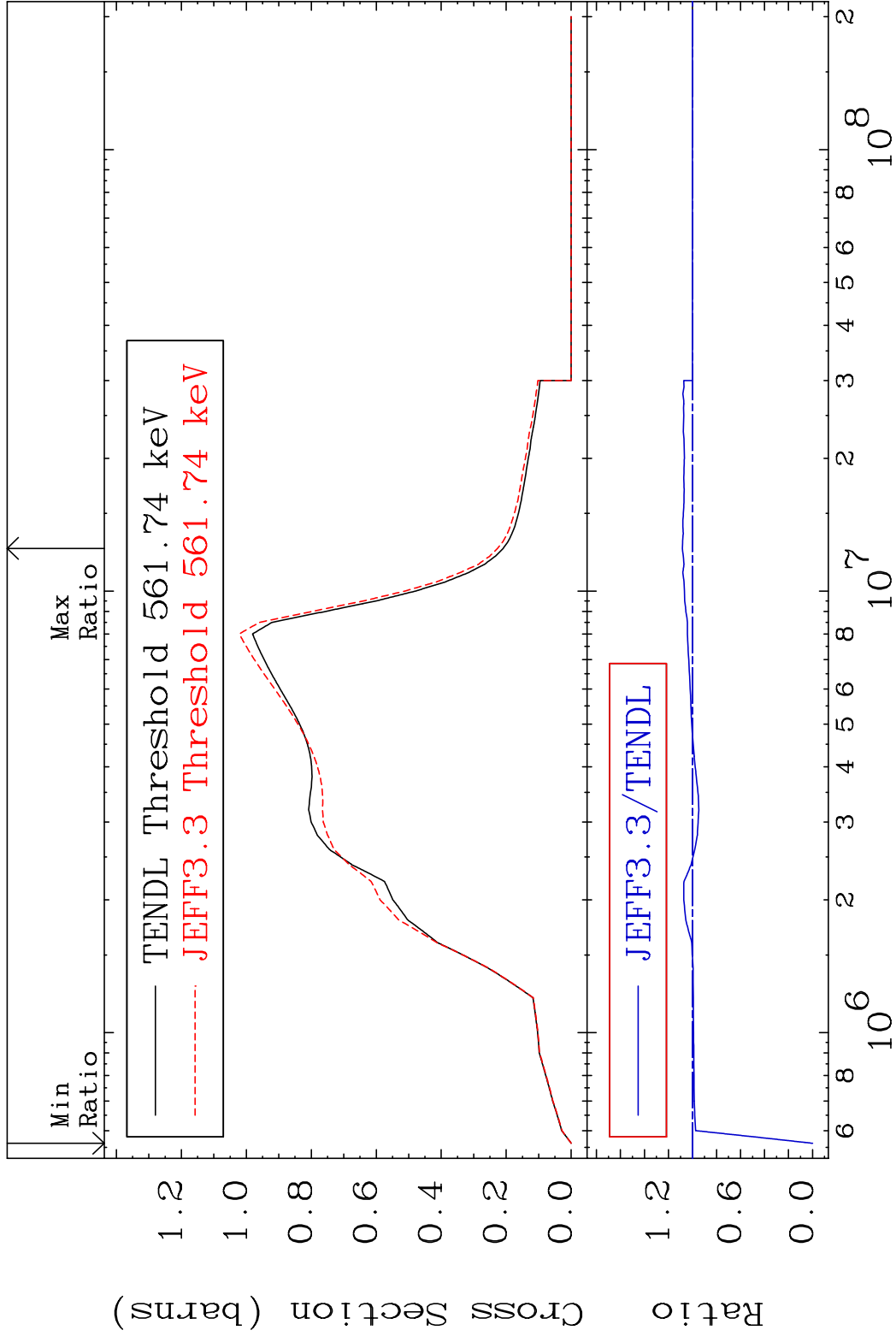


MAT 3931 Dpa disappearance (mt102 -120) 39-Y -91
Cross Section -100.0 To 9999. %

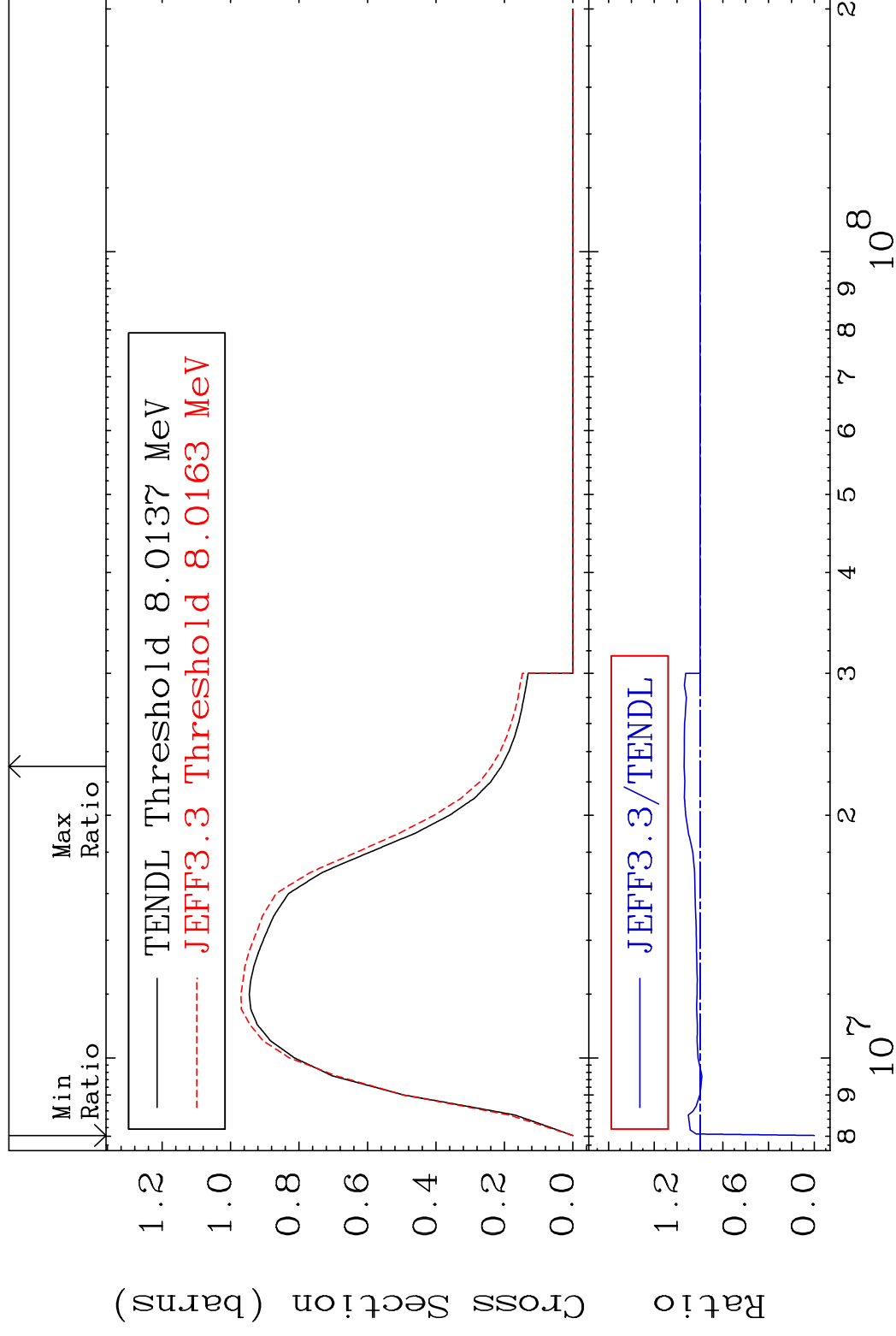


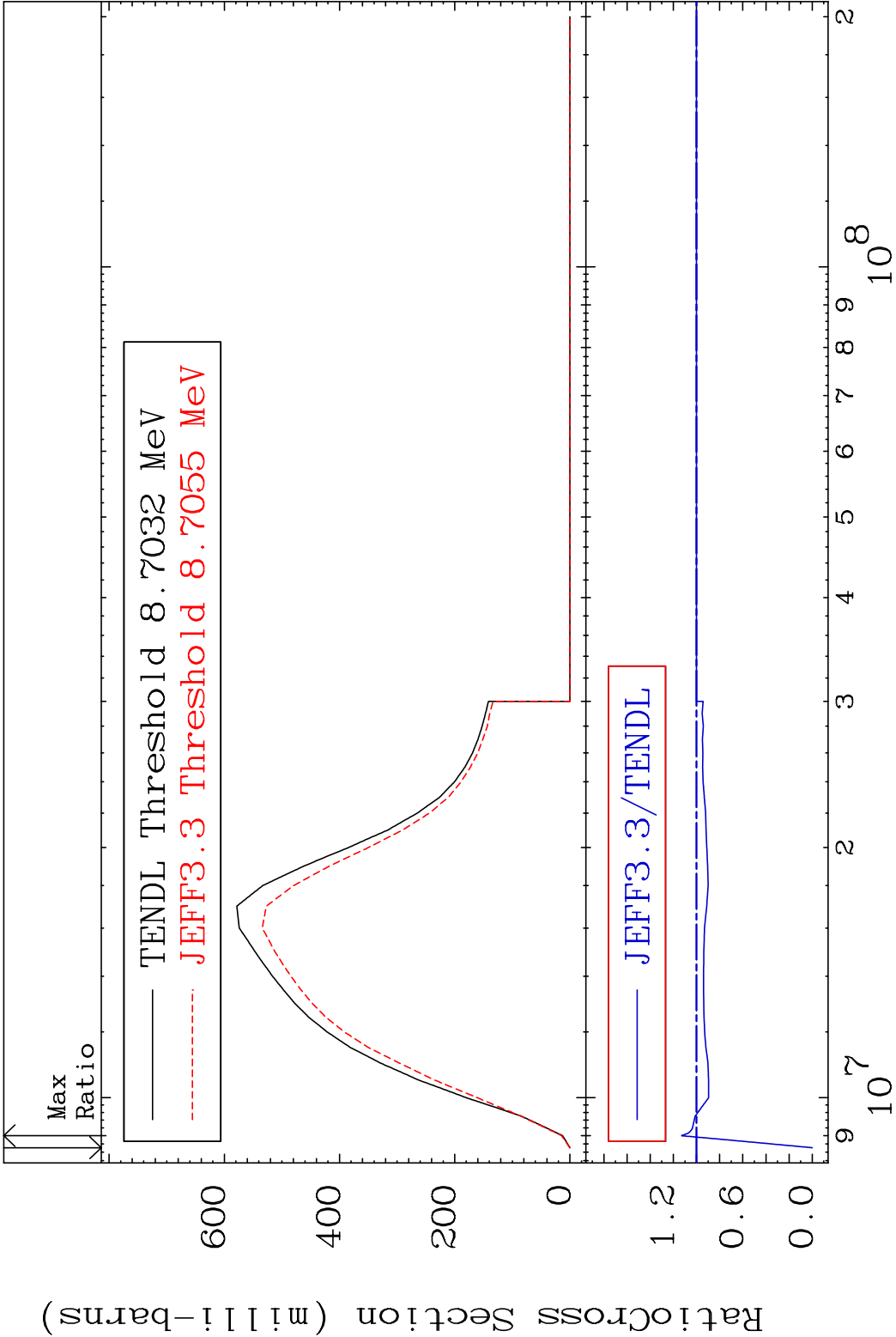
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
79 Incident Energy (eV) 39-Y -91



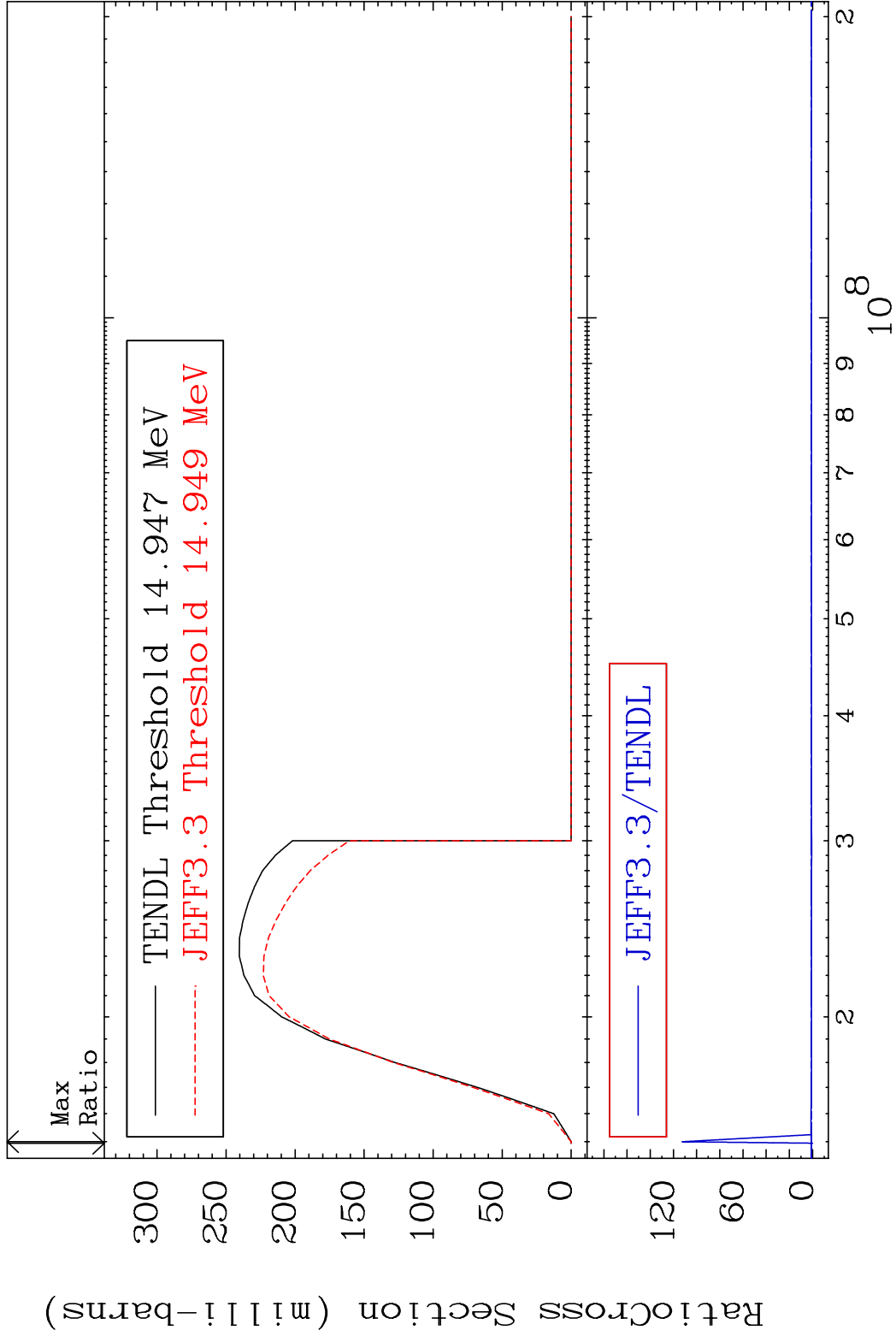


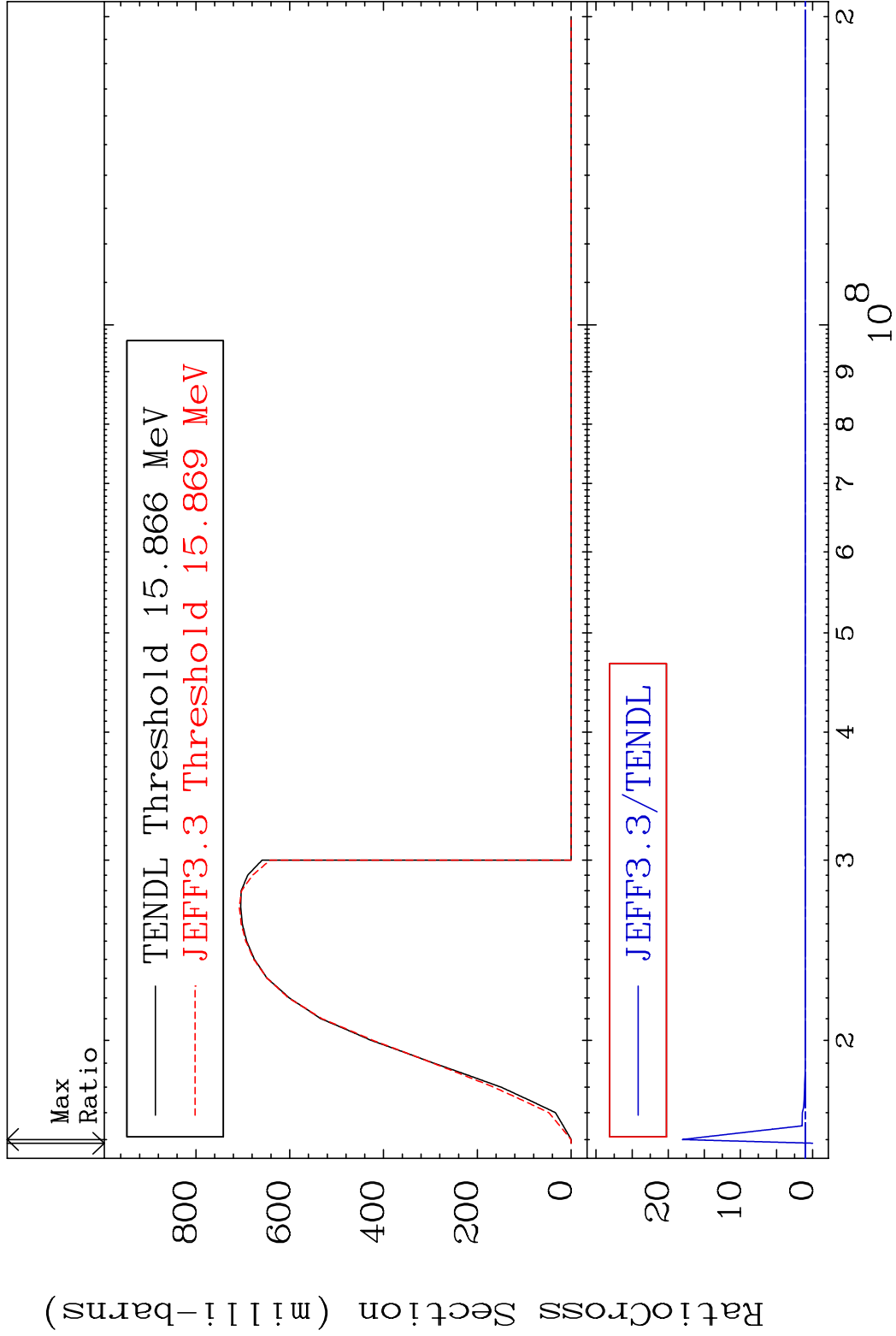
Radionuclide Production Cross-Section 13.93 %

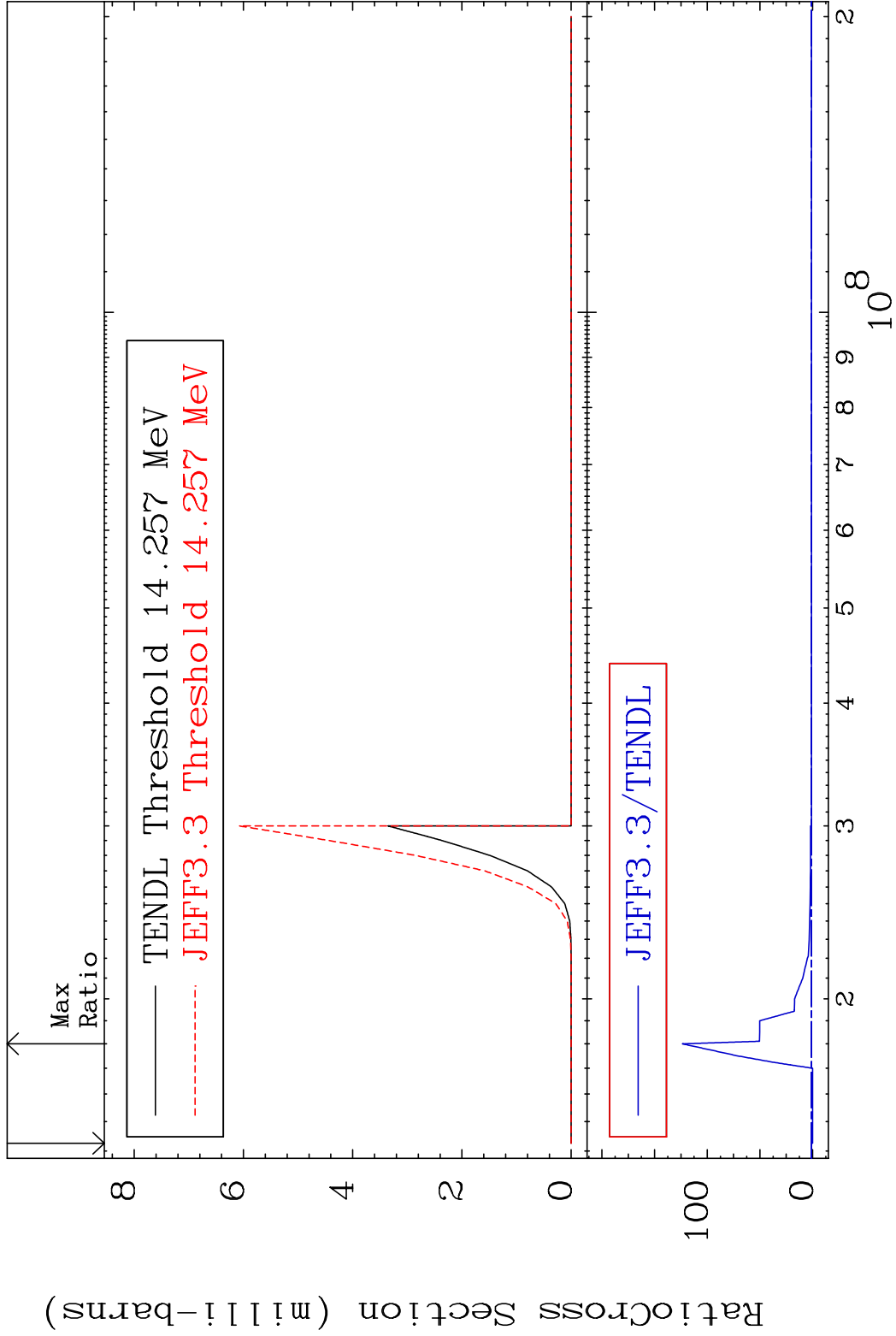


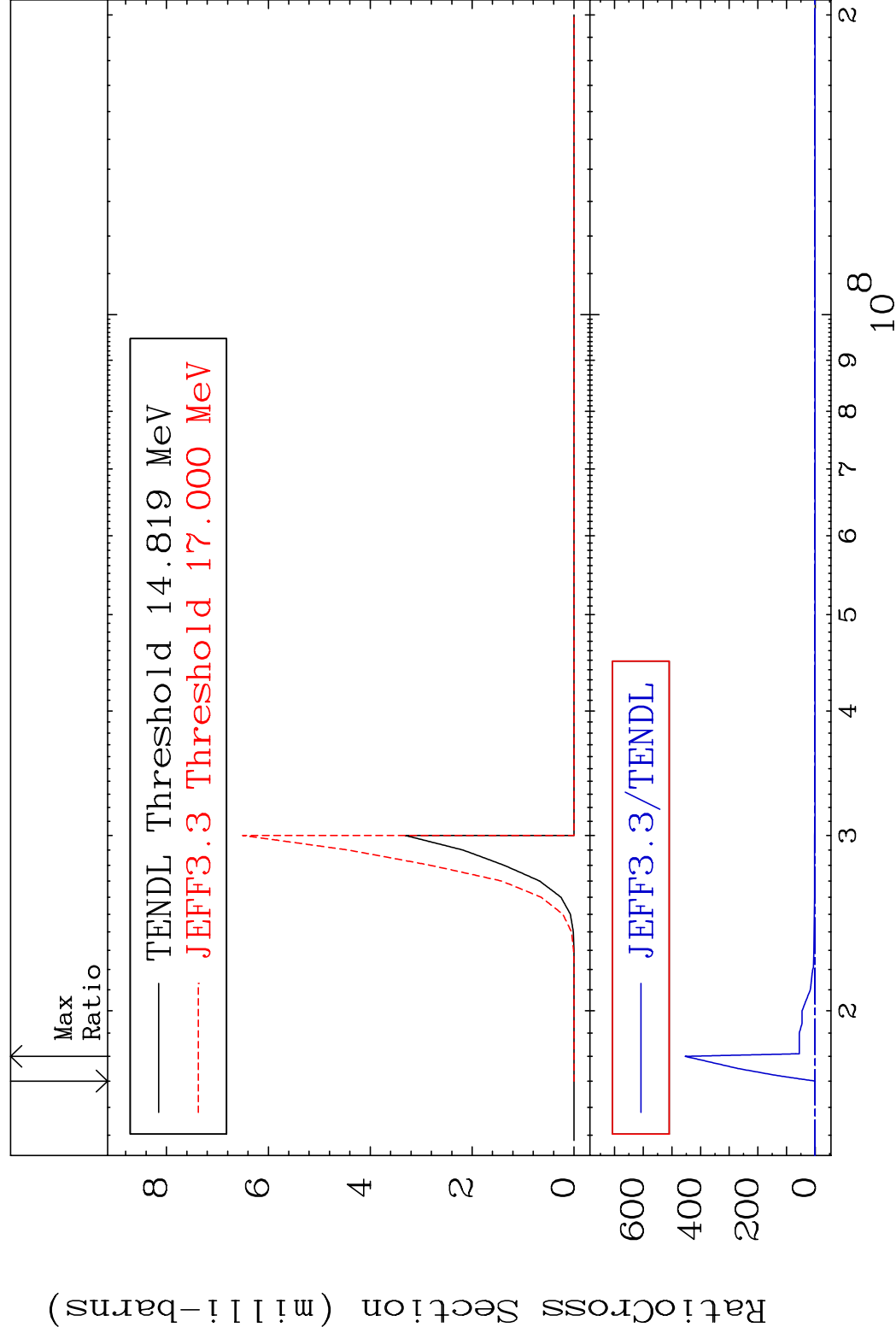


Radionuclide Production Cross Section (milli-barns)









Radionuclide Production Cross Section (barns)

