

Program Complot
(Version 2021-1)

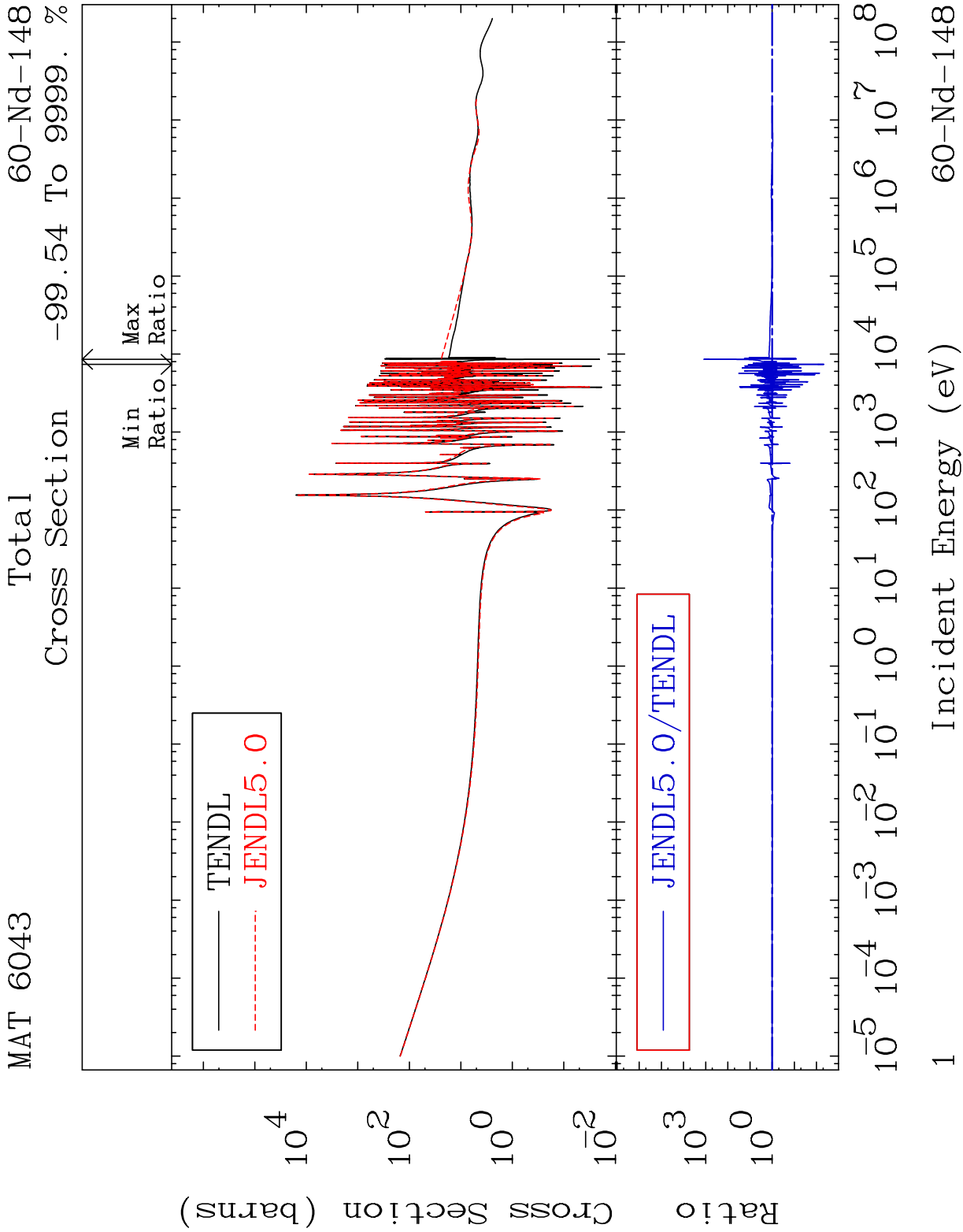
by

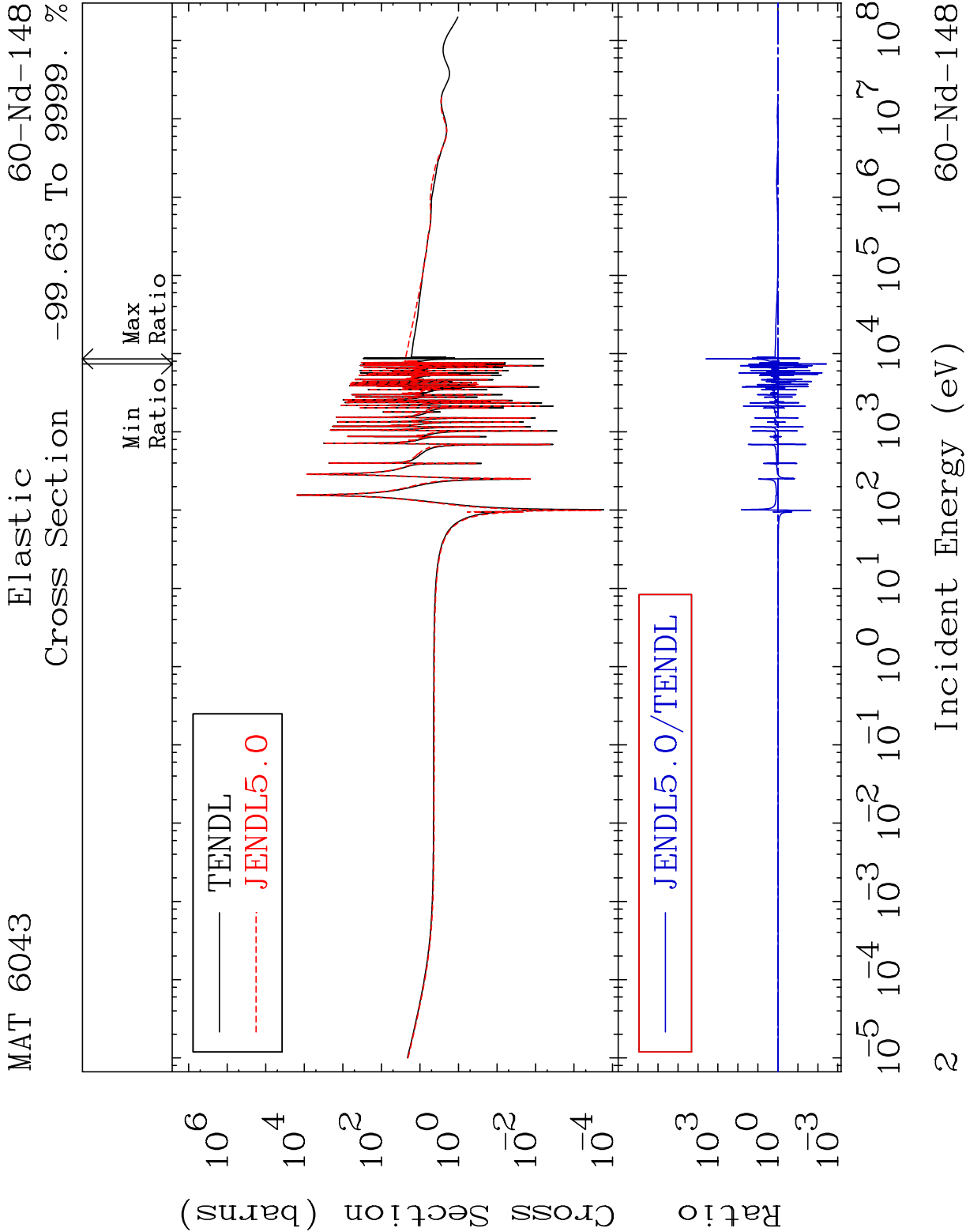
Dermott E. Cullen
(Present Contact Information)

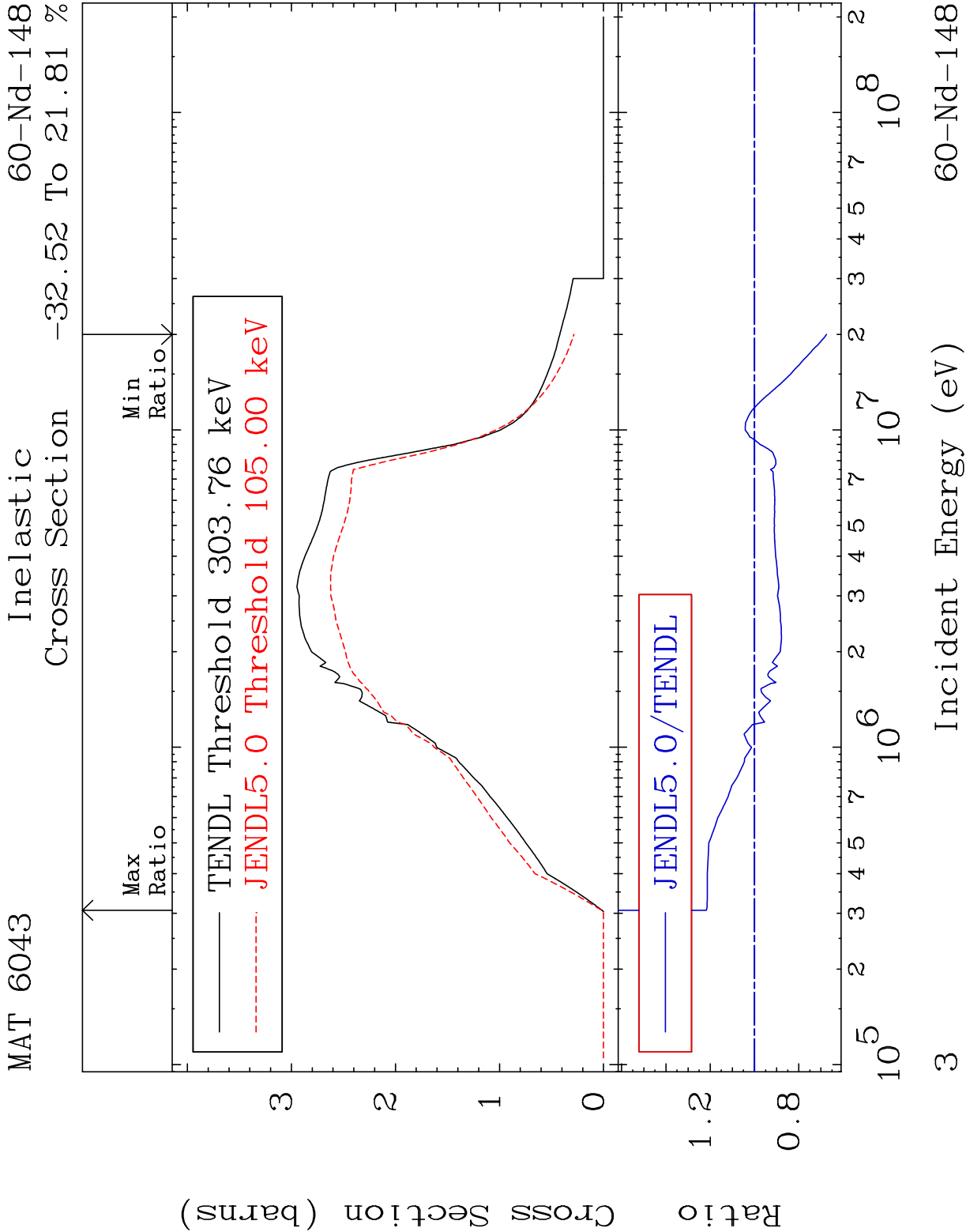
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

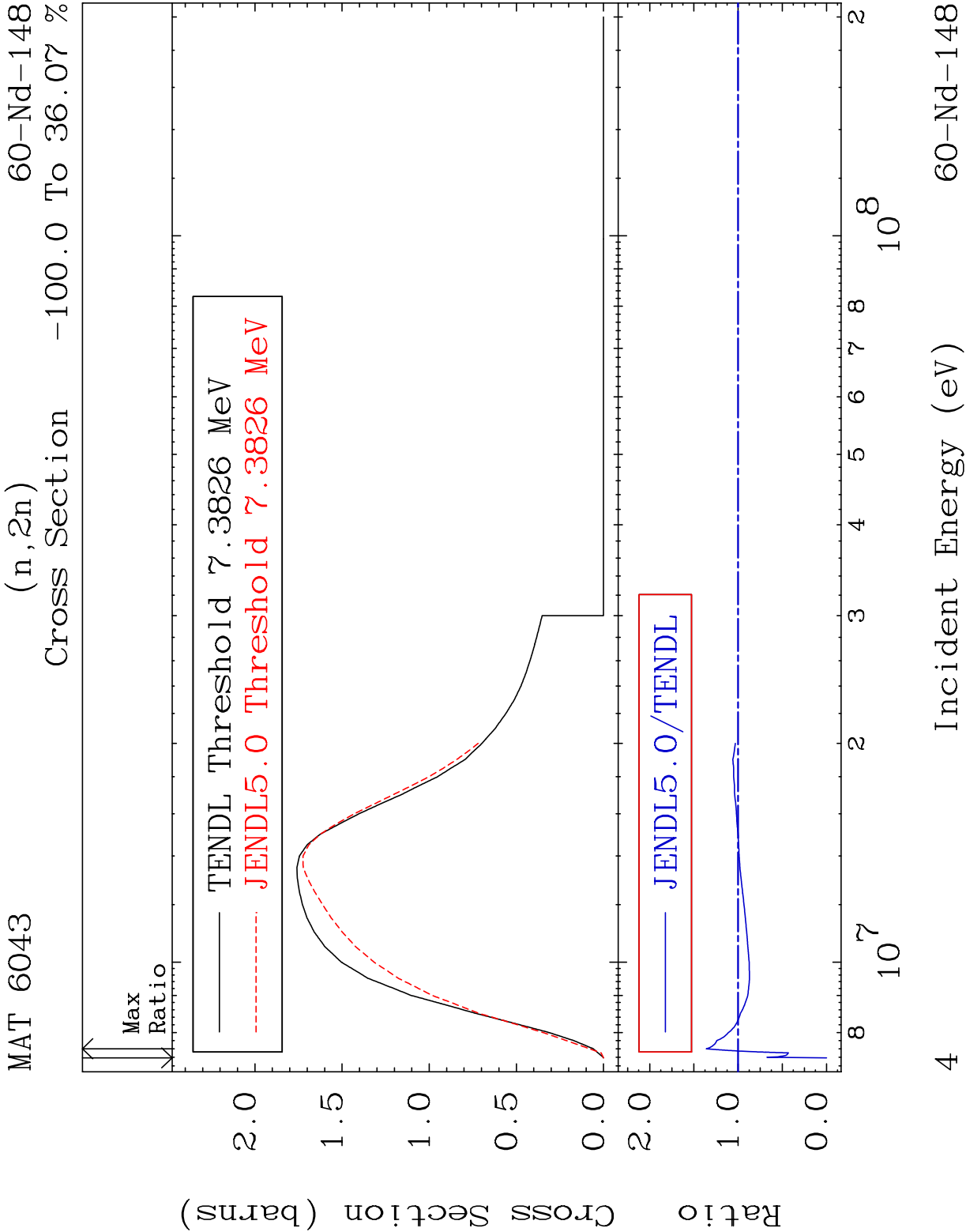
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start







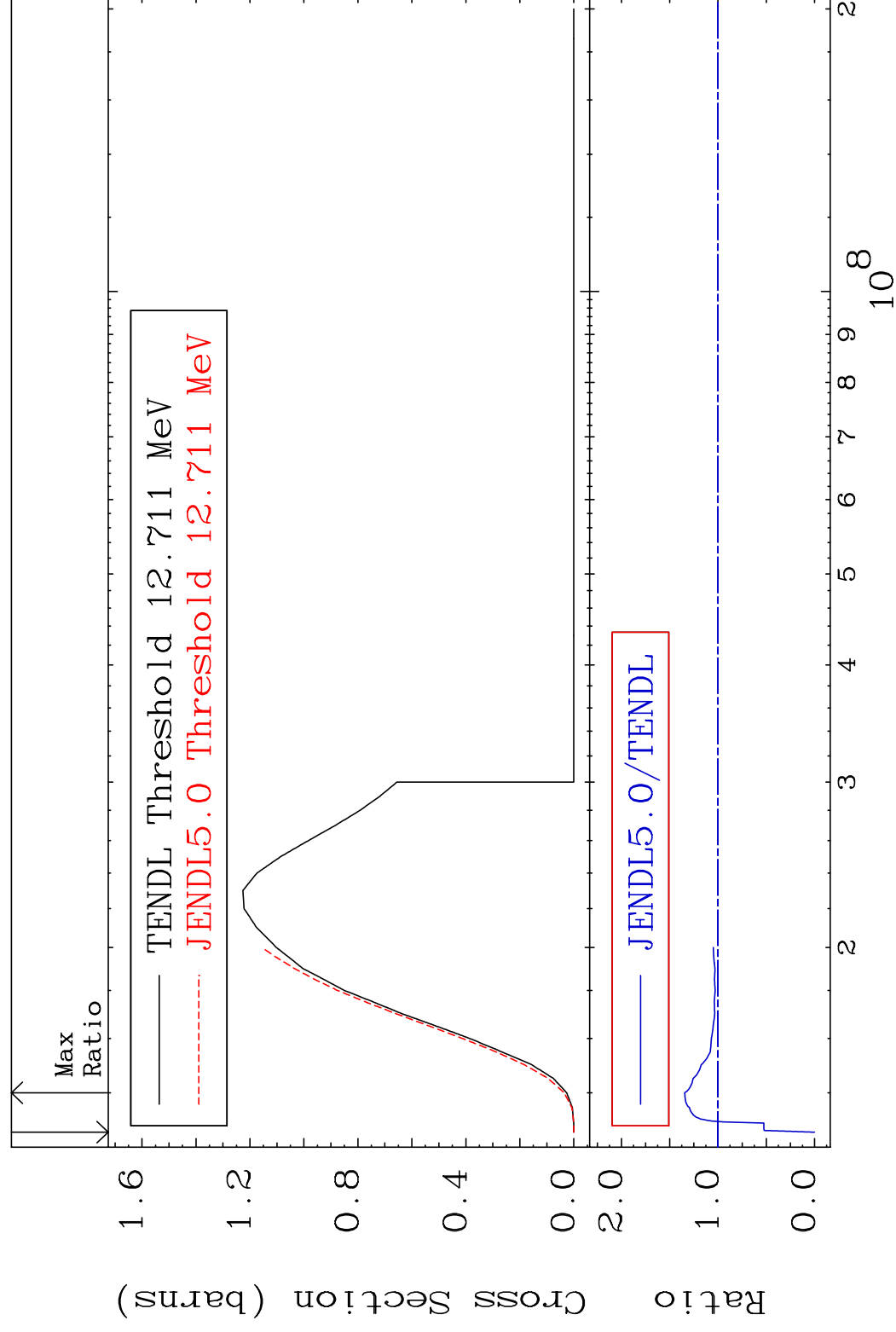


MAT 6043

$$(n, 3n)$$

60-Nd-148

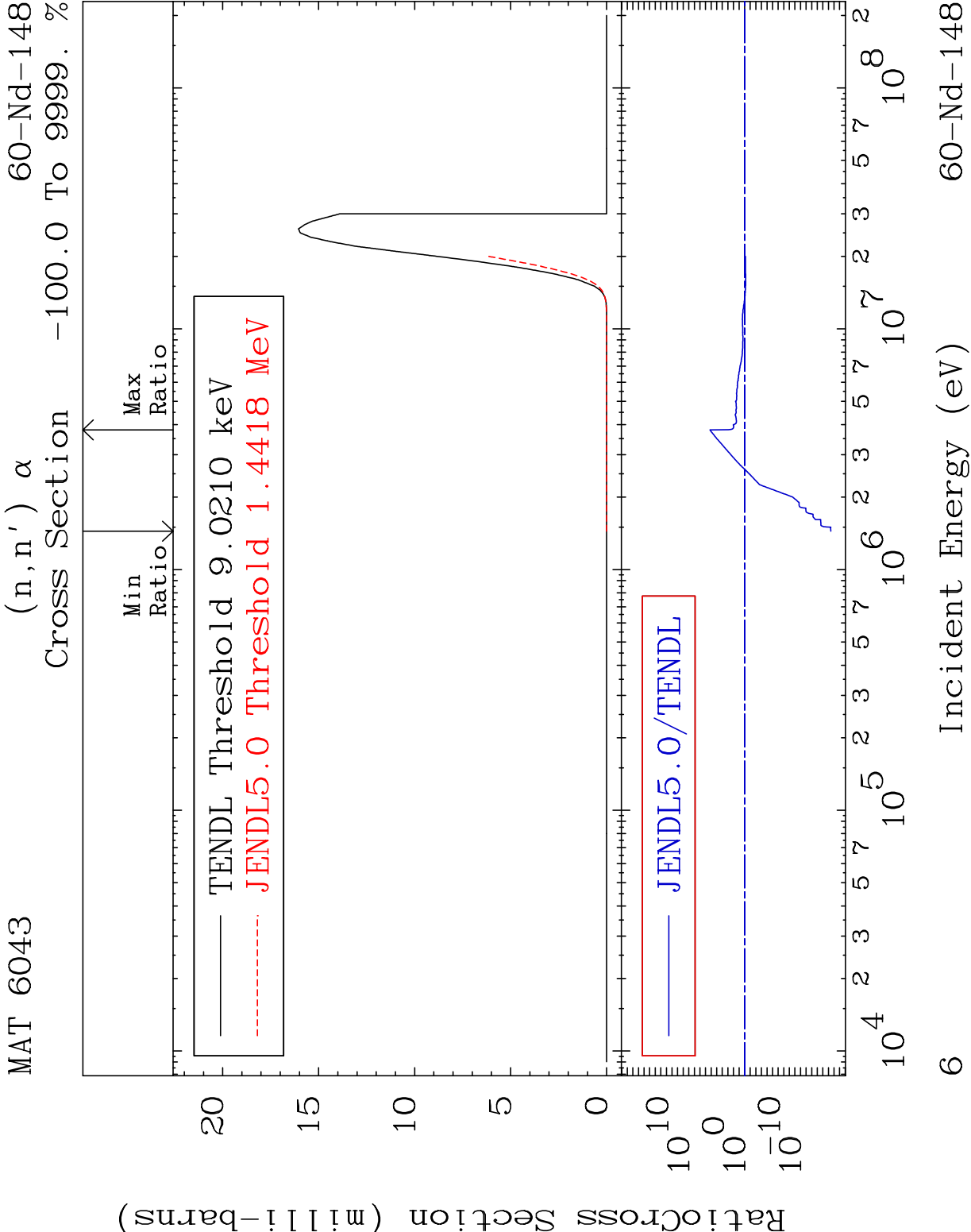
Cross Section -100.0 To 34.55 %

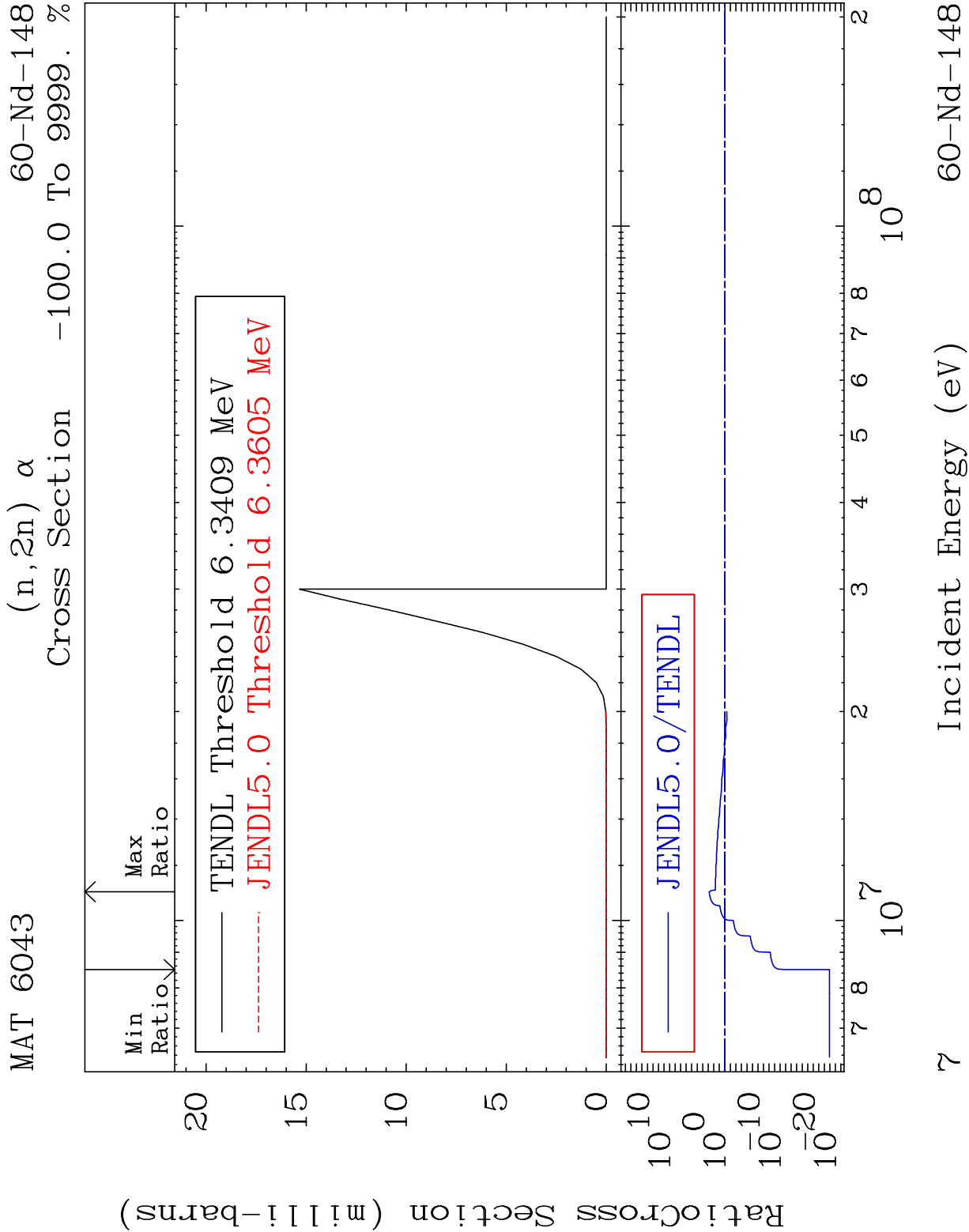


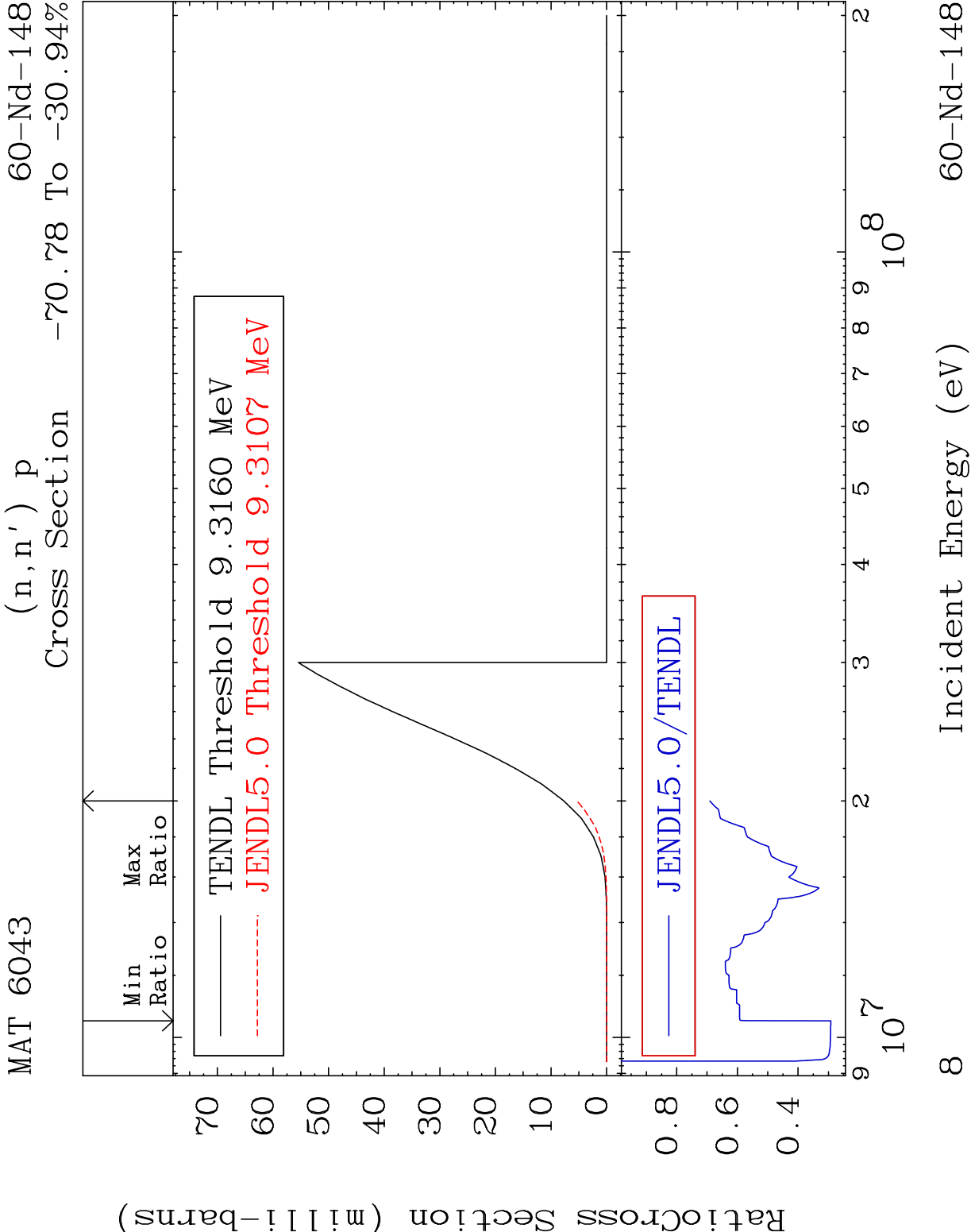
5

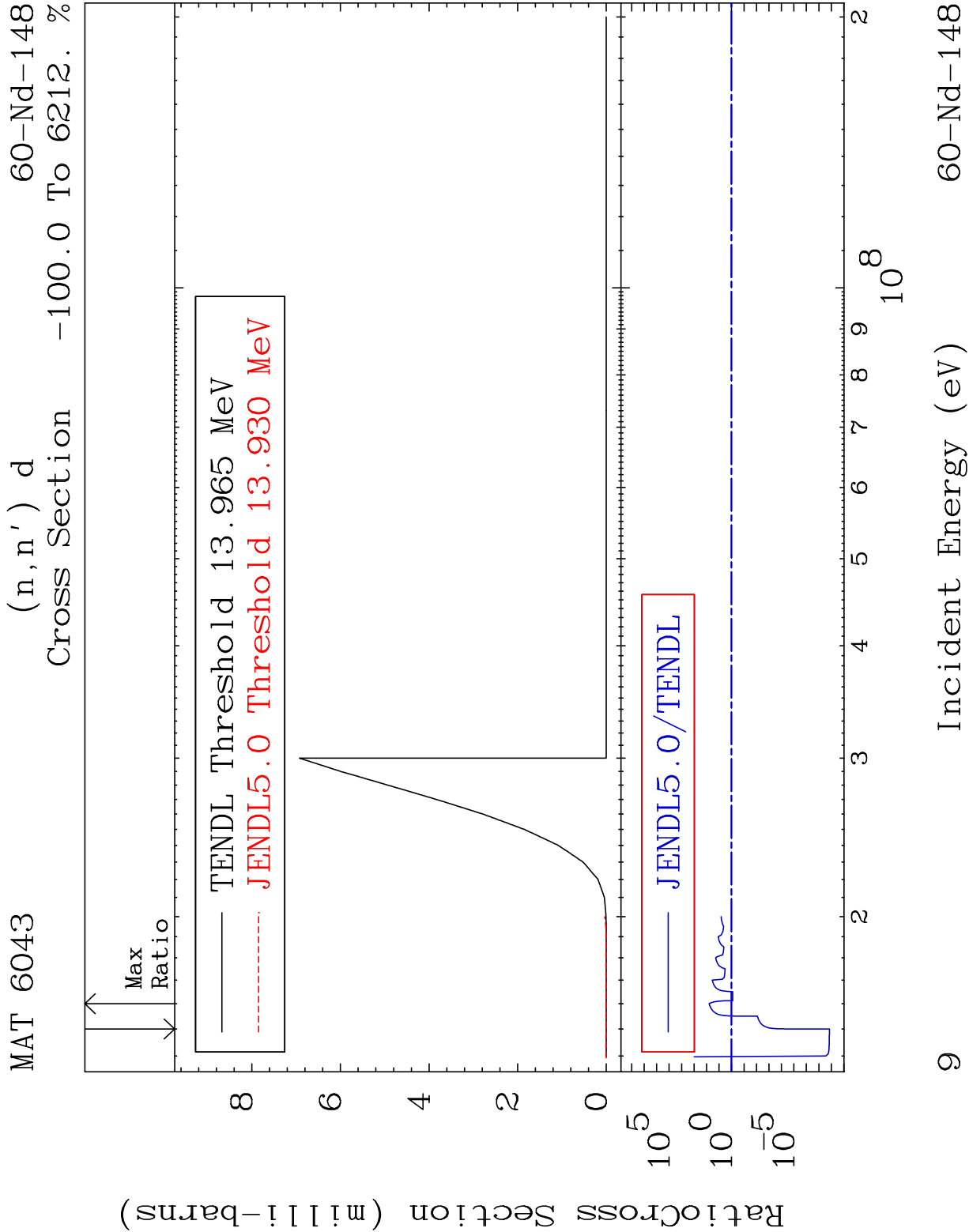
Incident Energy (eV)

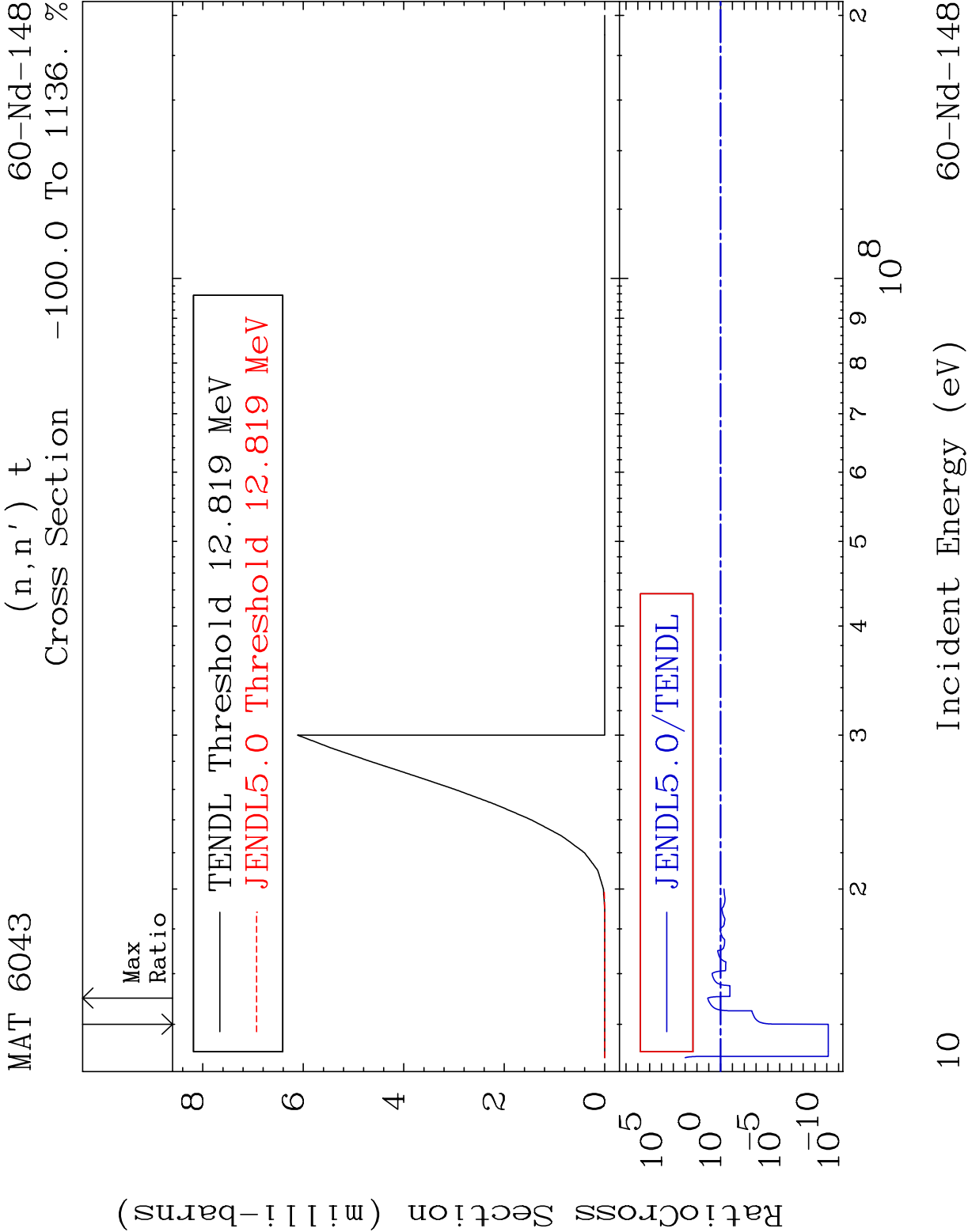
60-Nd-148



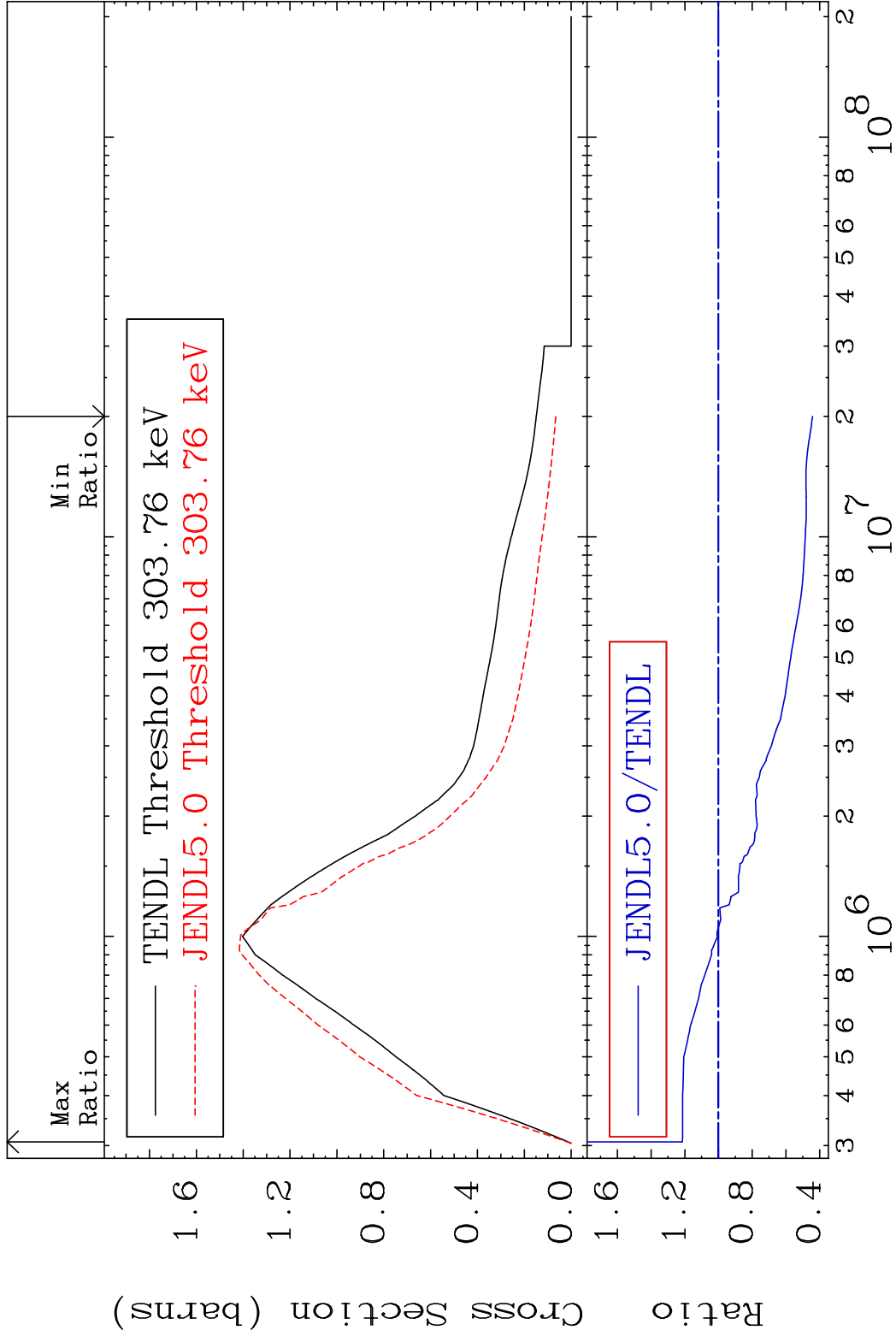




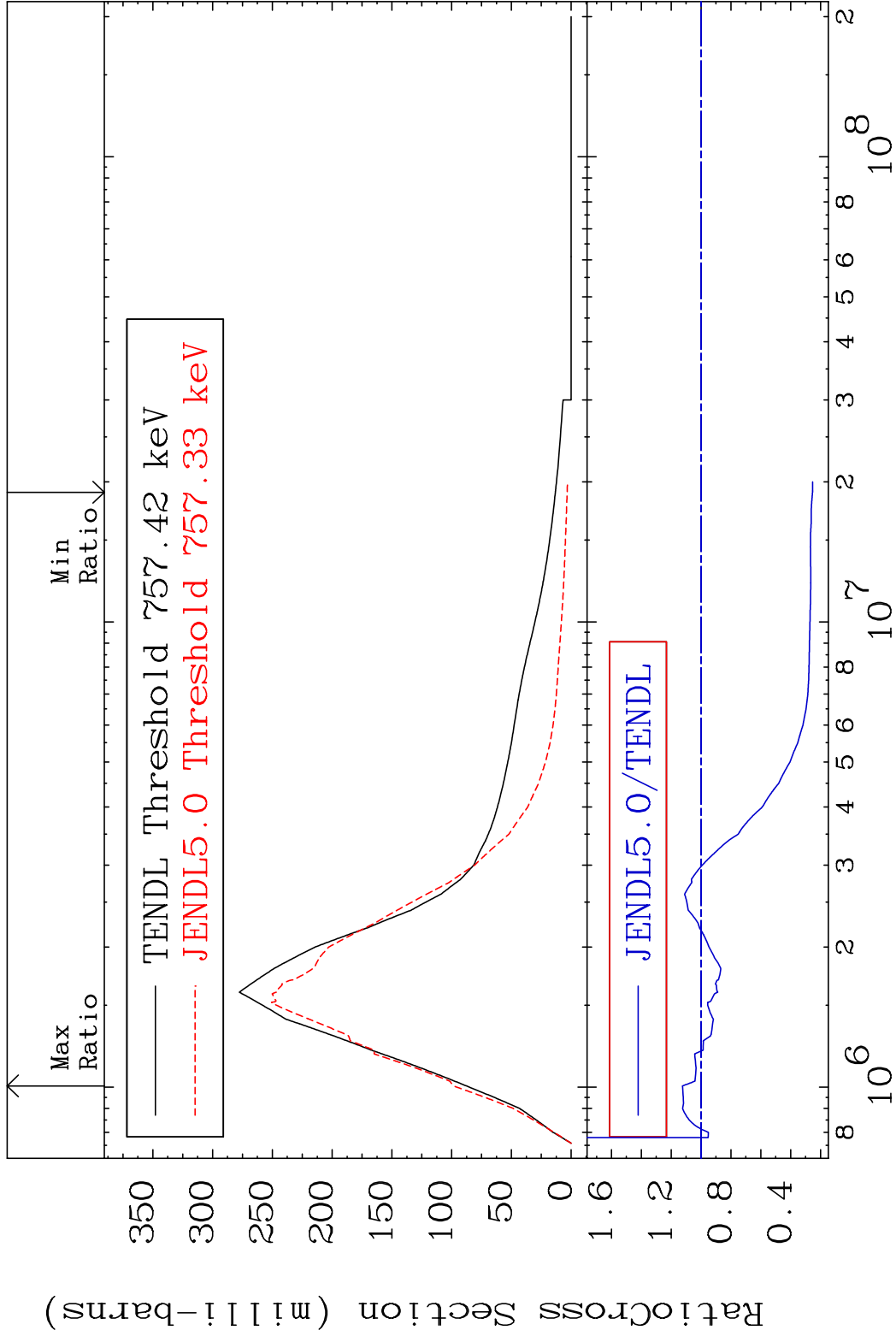




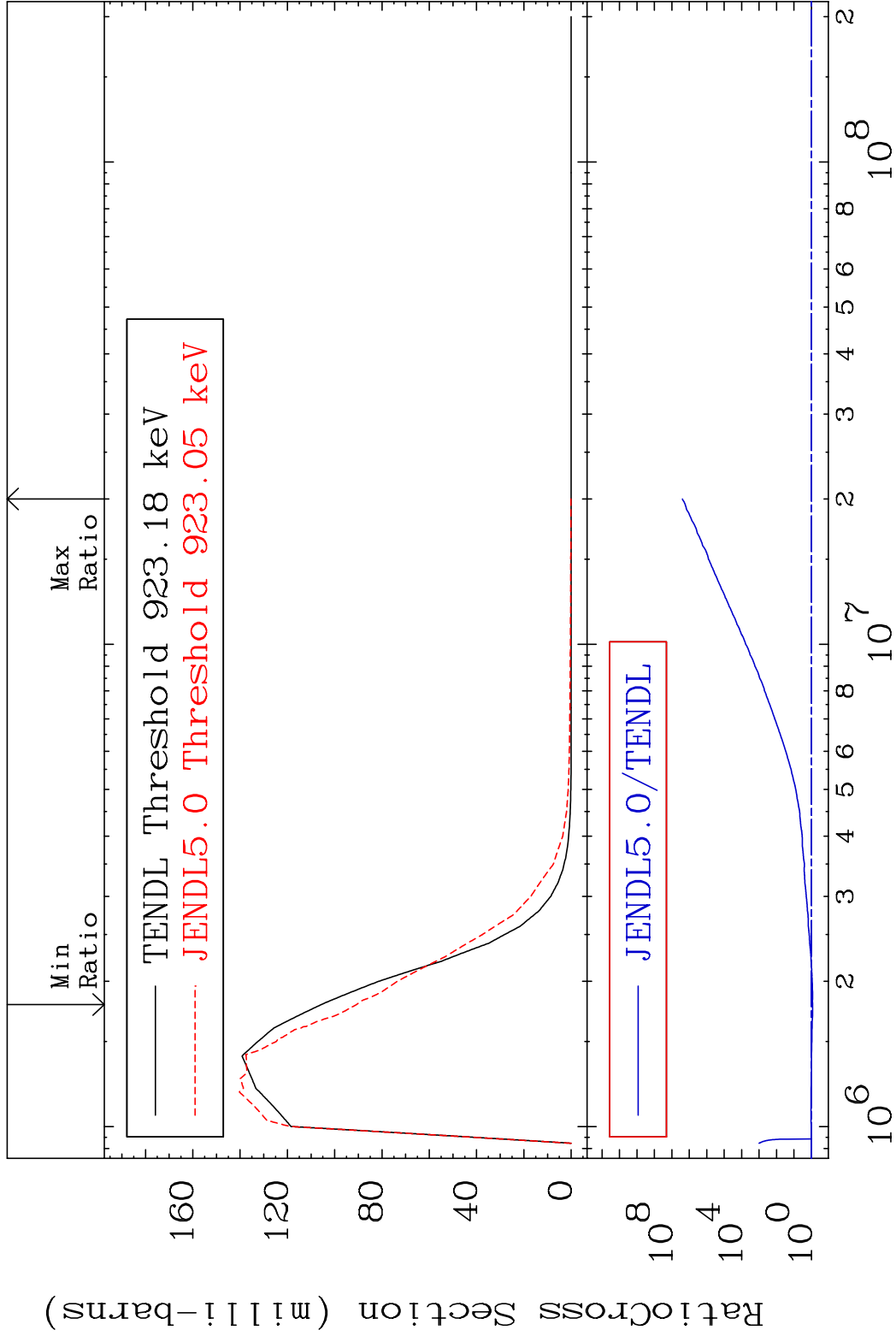
MAT 6043 MT= 51 (n,n') Level 60-Nd-148
Cross Section -55.83 To 21.45 %



MAT 6043 MT= 52 (n,n') Level 60-Nd-148
Cross Section -74.66 To 12.53 %



MAT 6043 MT= 53 (n,n') Level 60-Nd-148
Cross Section -14.08 To 9999. %



13 Incident Energy (eV) 60-Nd-148

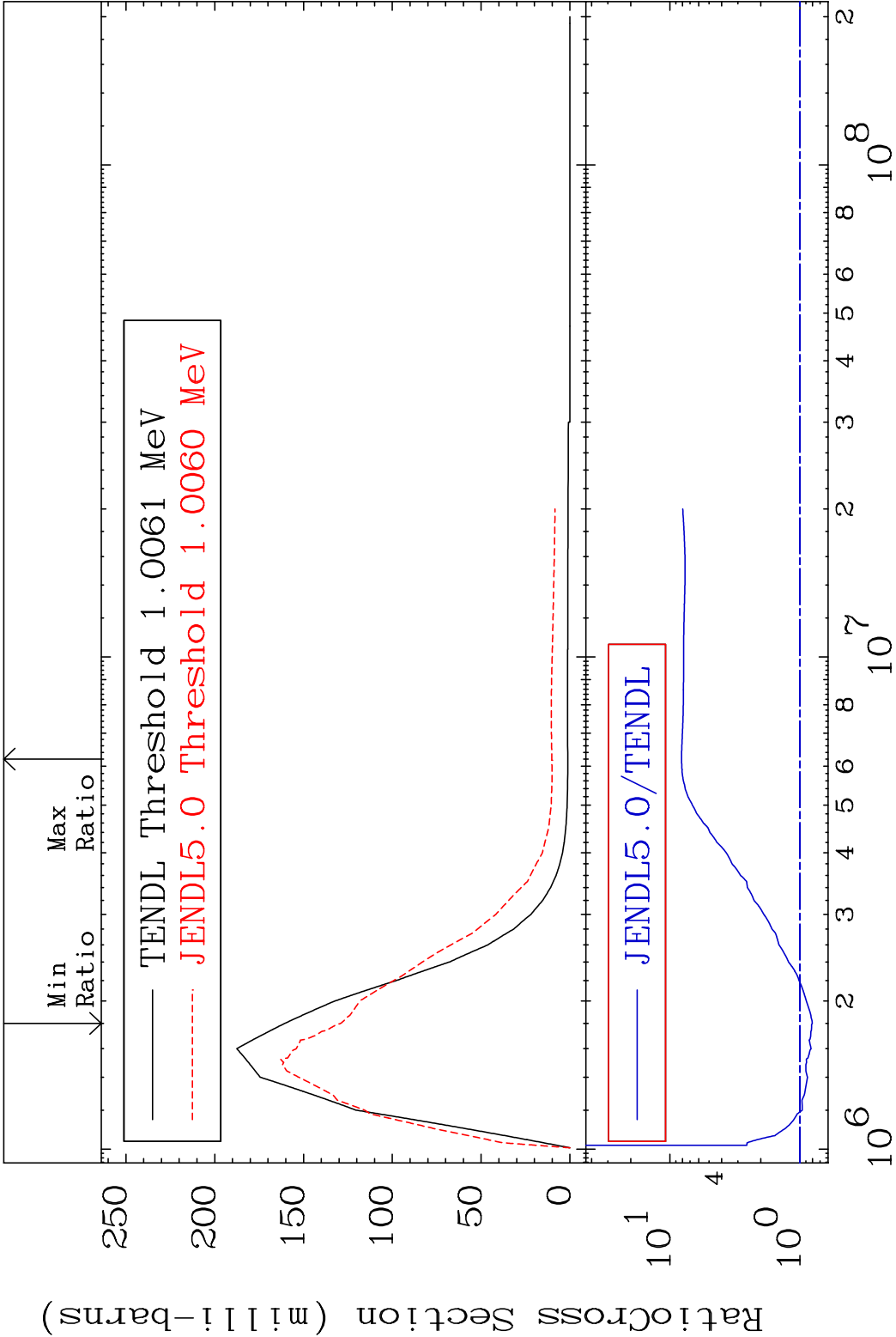
MAT 6043

MT= 54 (n,n') Level

60-Nd-148

Cross Section

-19.59 To 713.6 %



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Incident Energy (eV)

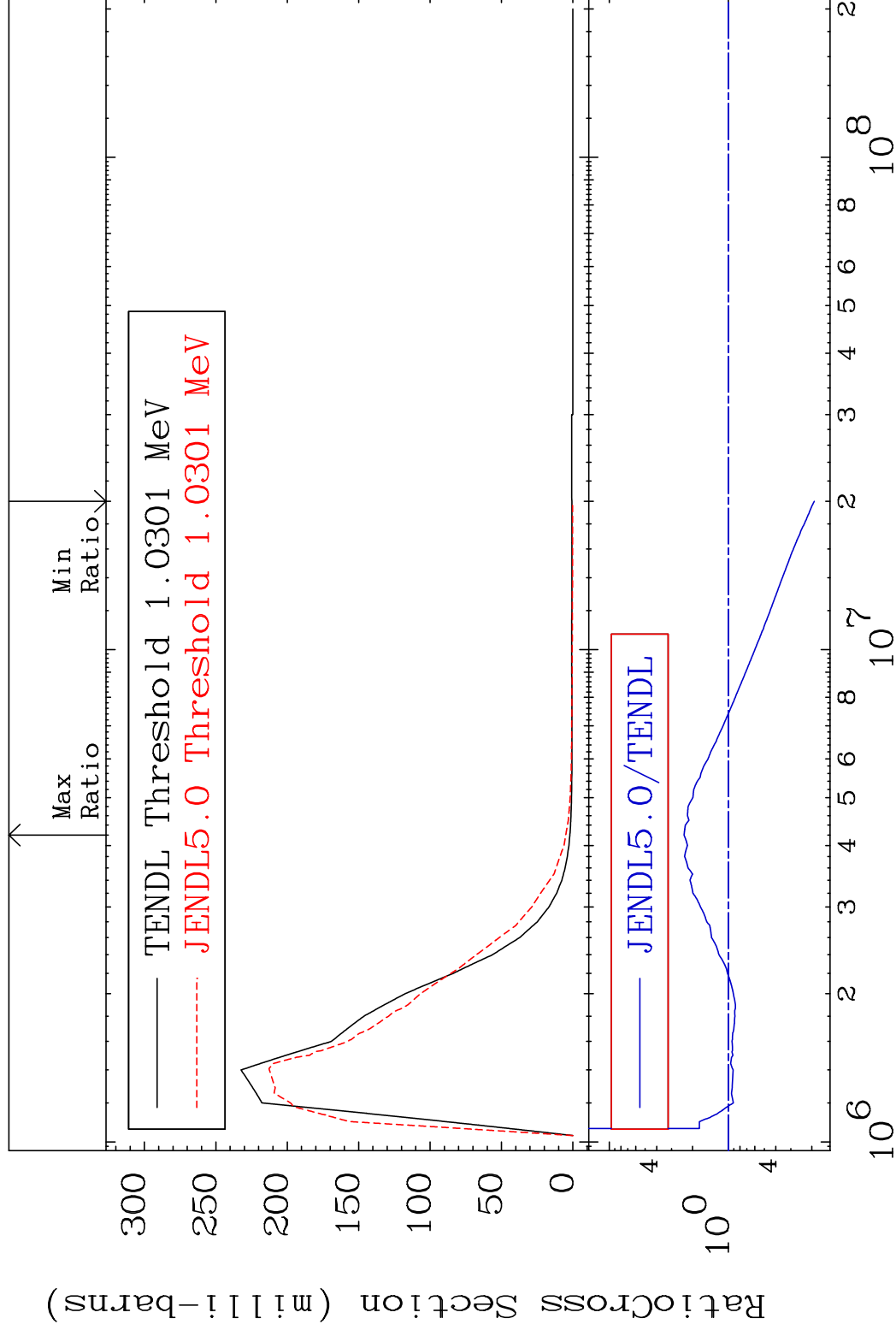
60-Nd-148

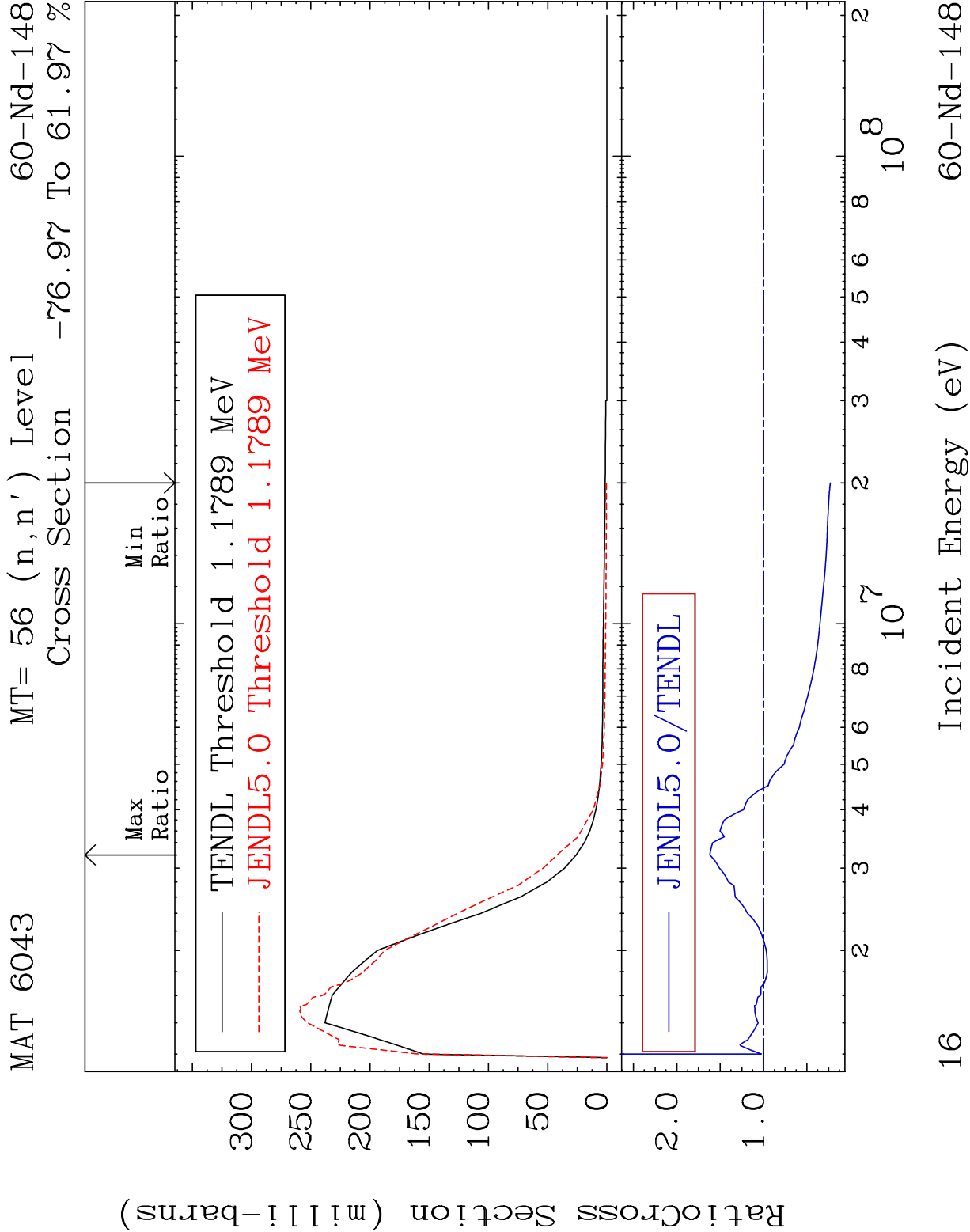
MAT 6043

MT= 55 (n, n') Level

60-Nd-148

Cross Section -80.96 To 135.8 %





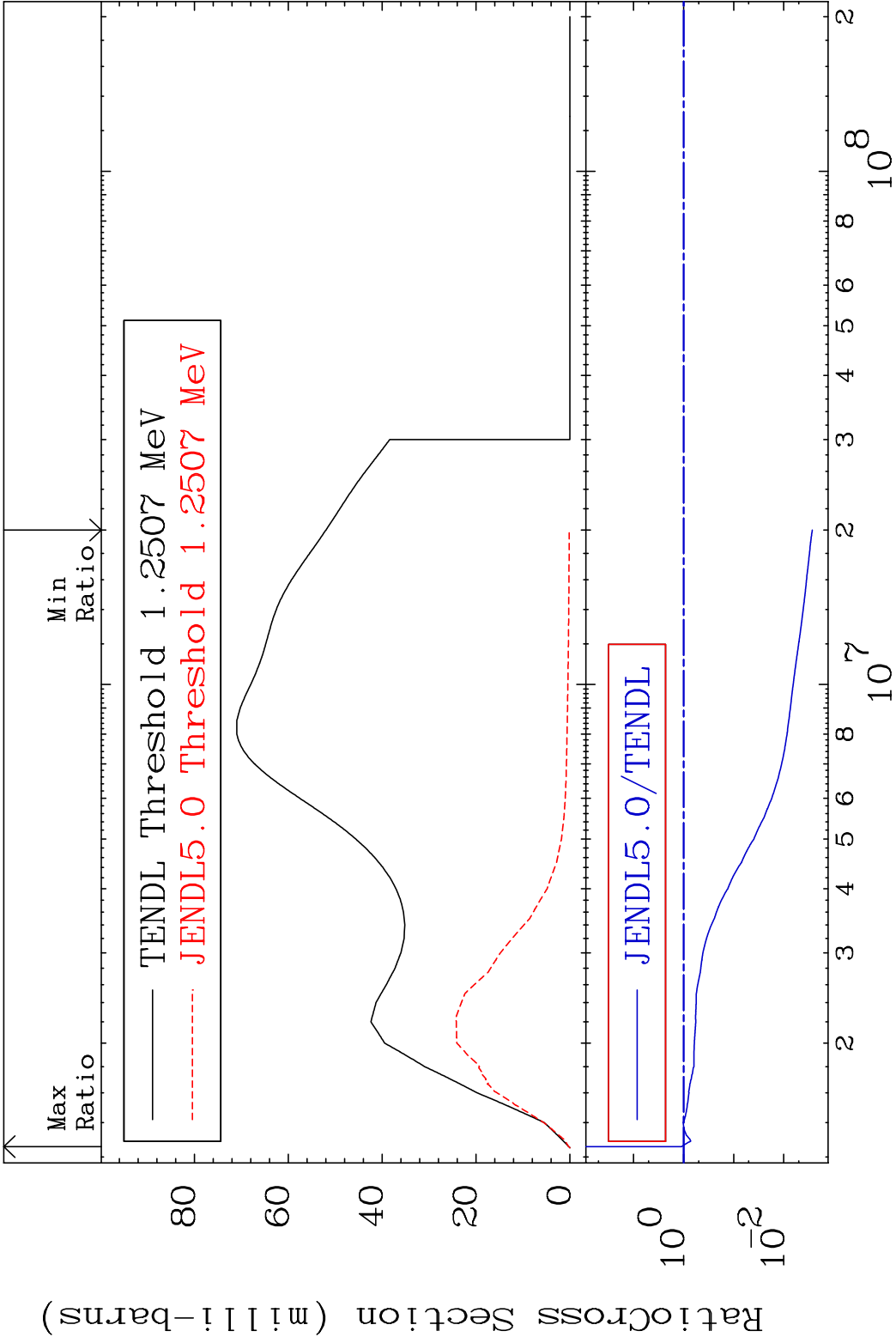
MAT 6043

MT= 57 (n,n') Level

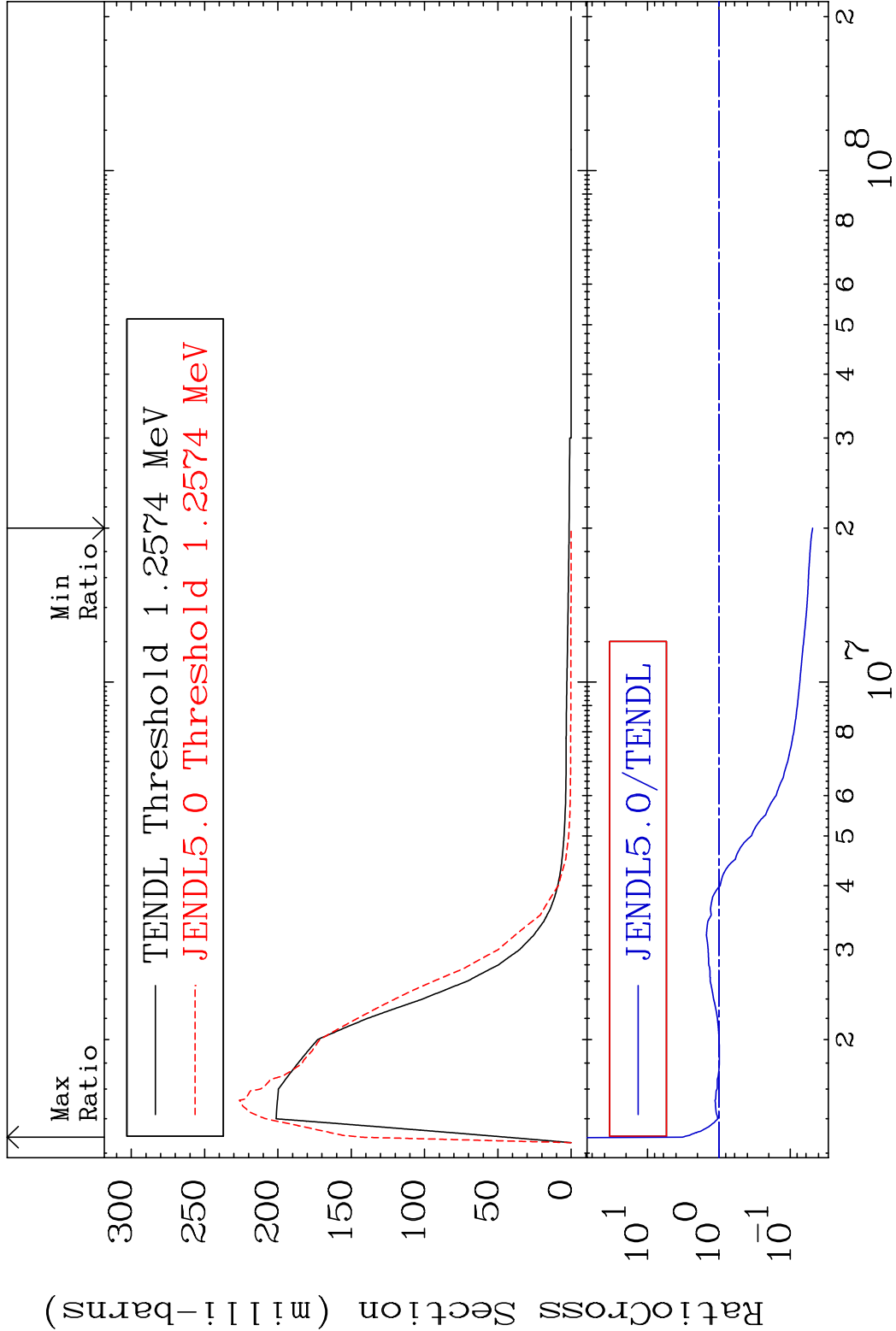
60-Nd-148

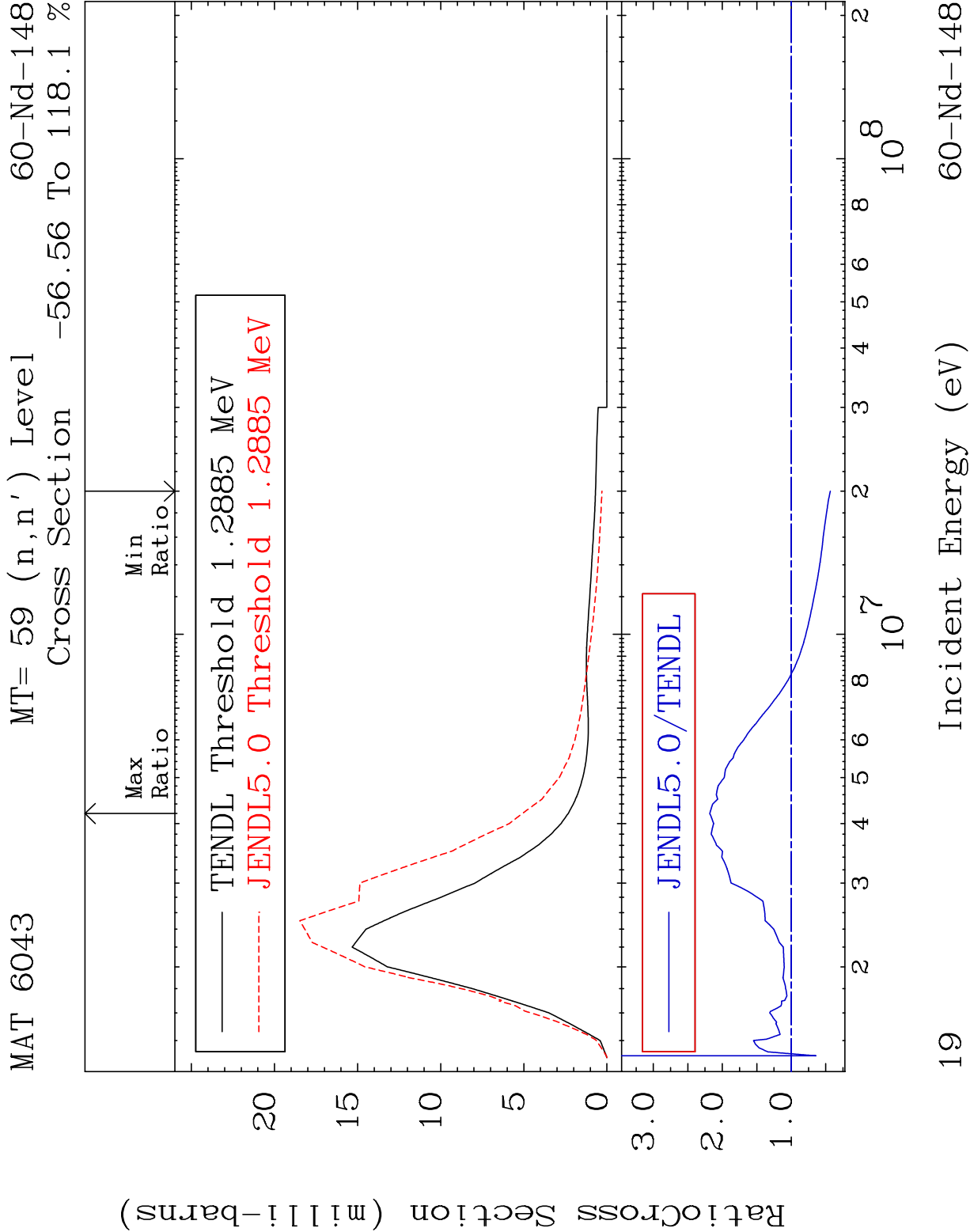
Cross Section

-99.73 To 9.715 %



MAT 6043 MT= 58 (n,n') Level 60-Nd-148
Cross Section -95.14 To 225.3 %





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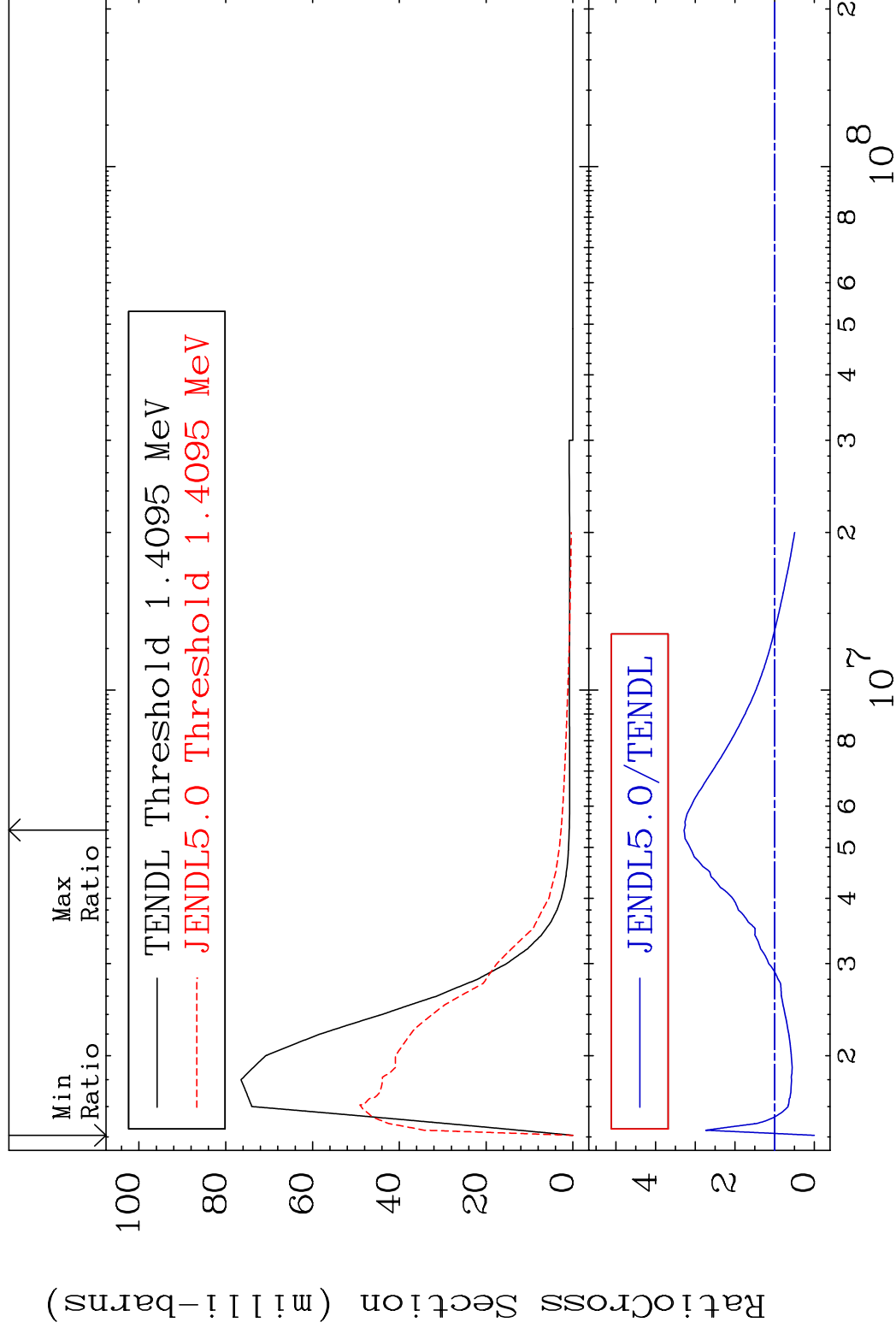
60-Nd-148

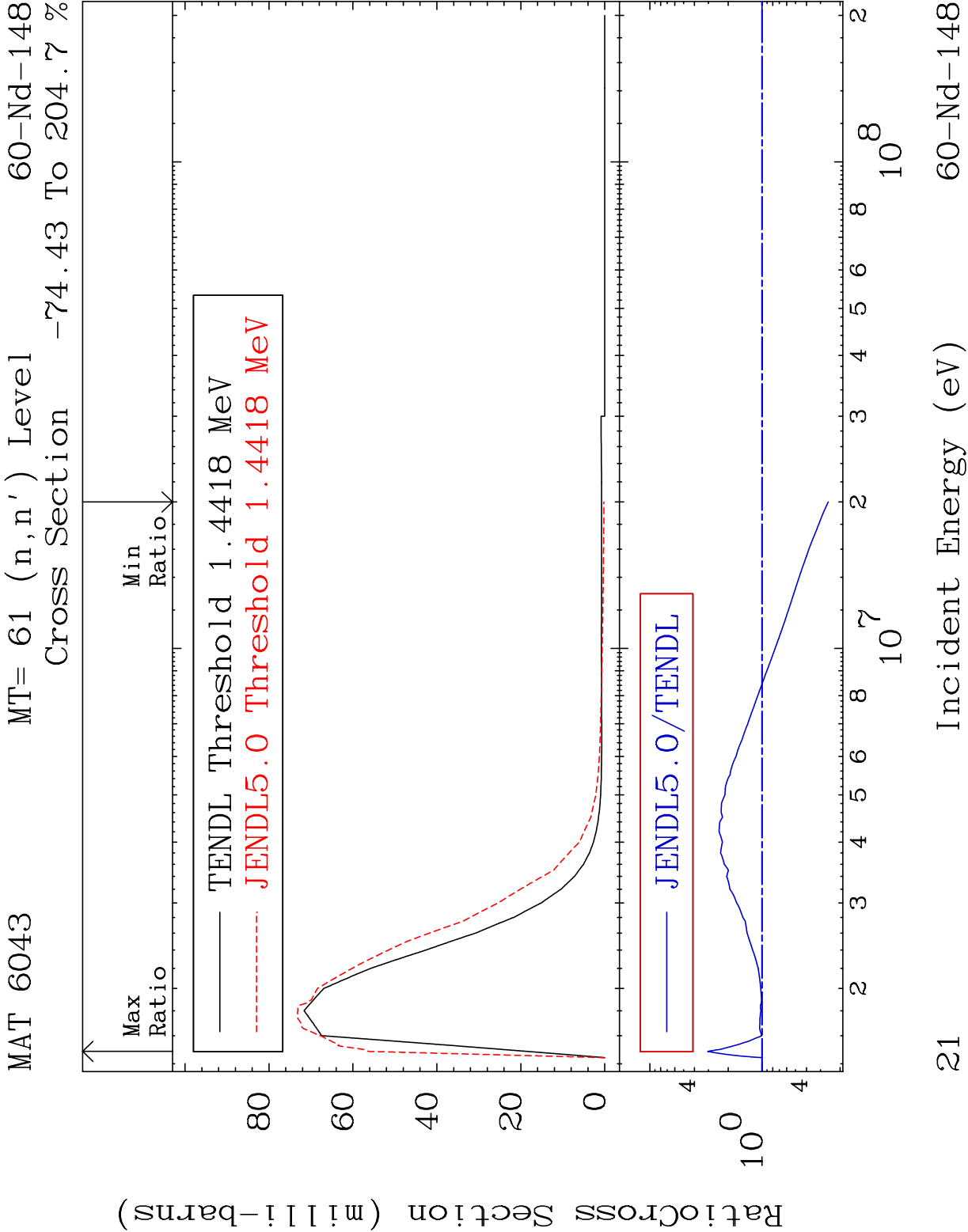
MAT 6043

MT= 60 (n, n') Level

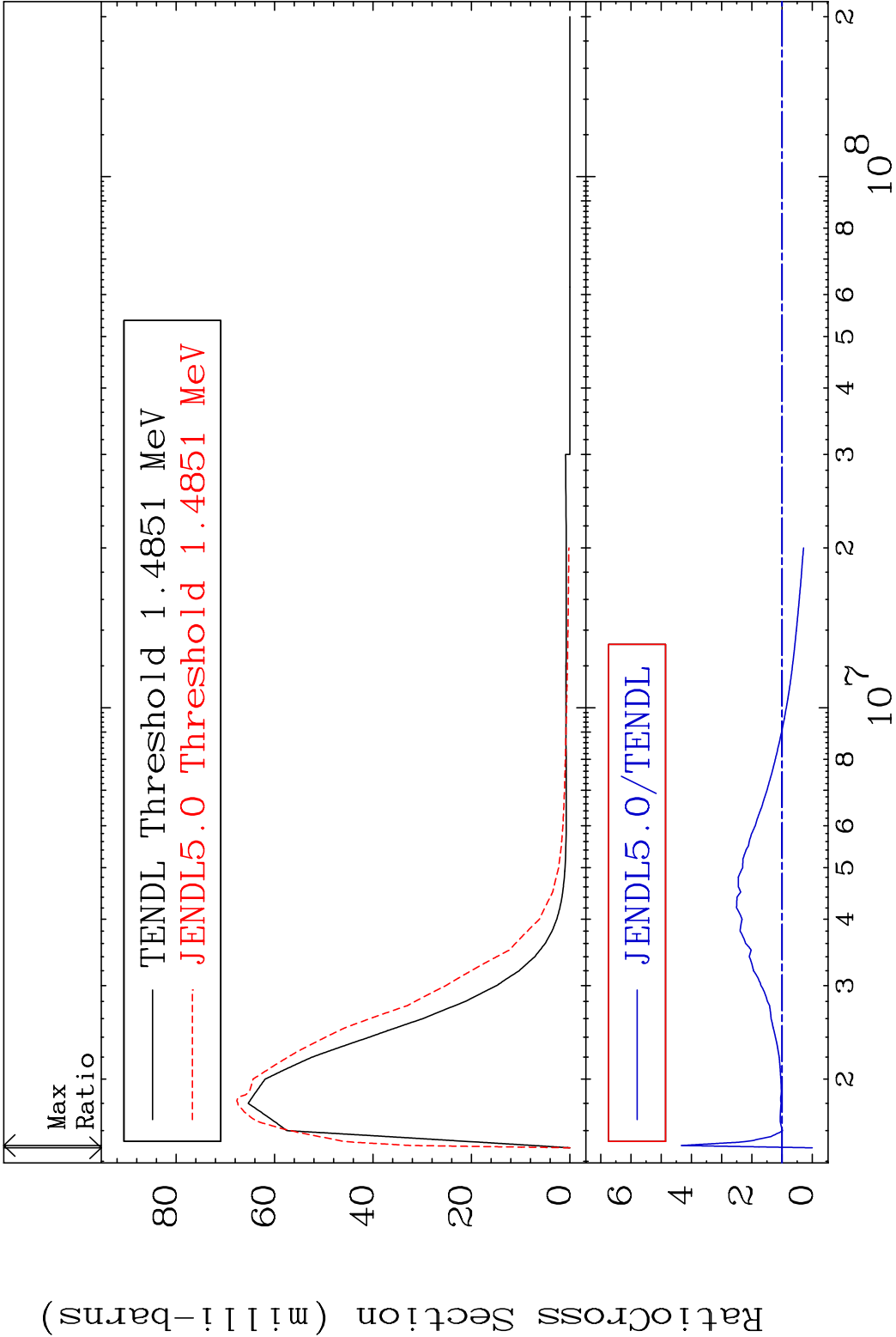
60-Nd-148

Cross Section

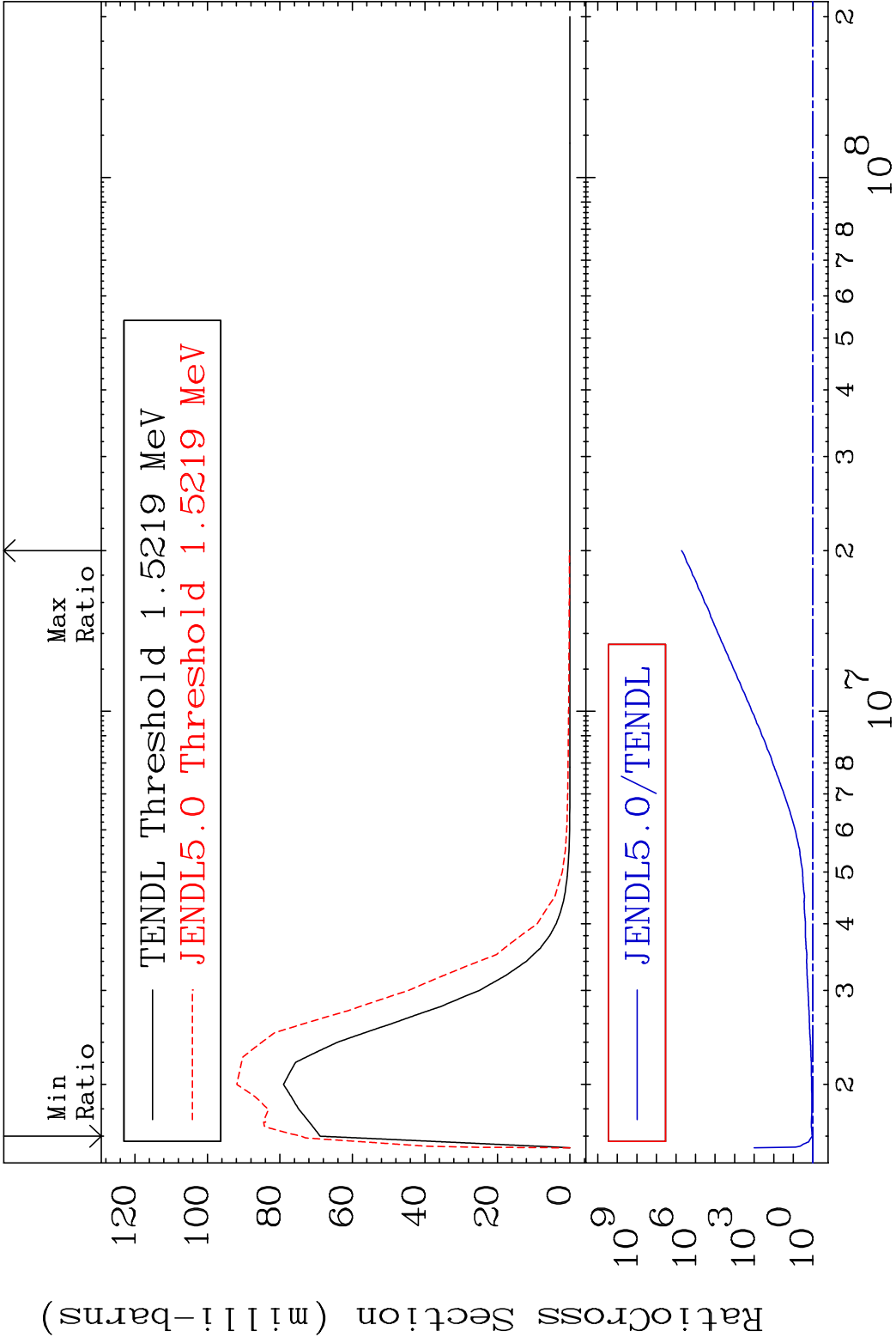




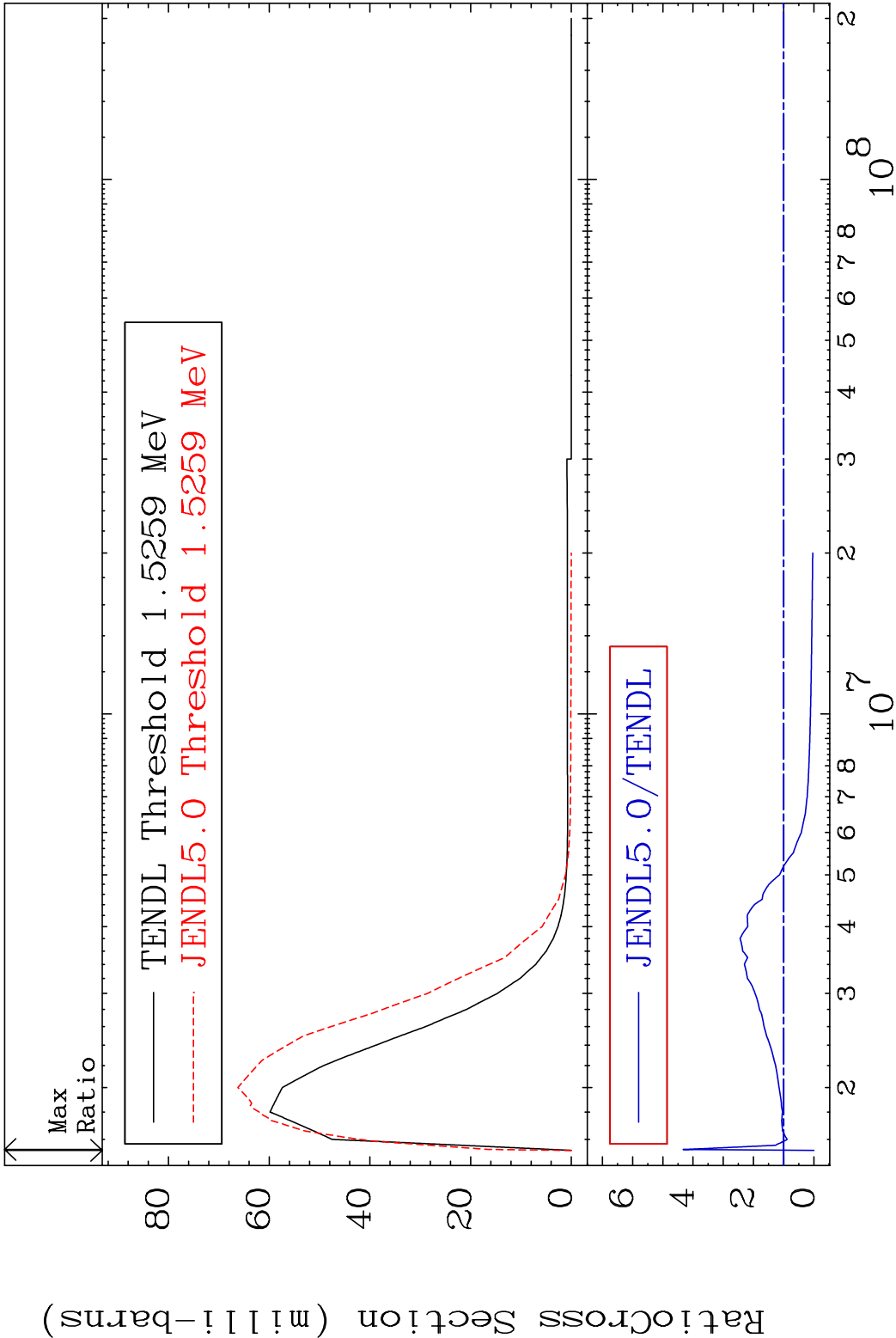
MAT 6043 MT= 62 (n,n') Level 60-Nd-148
Cross Section -100.0 To 332.5 %

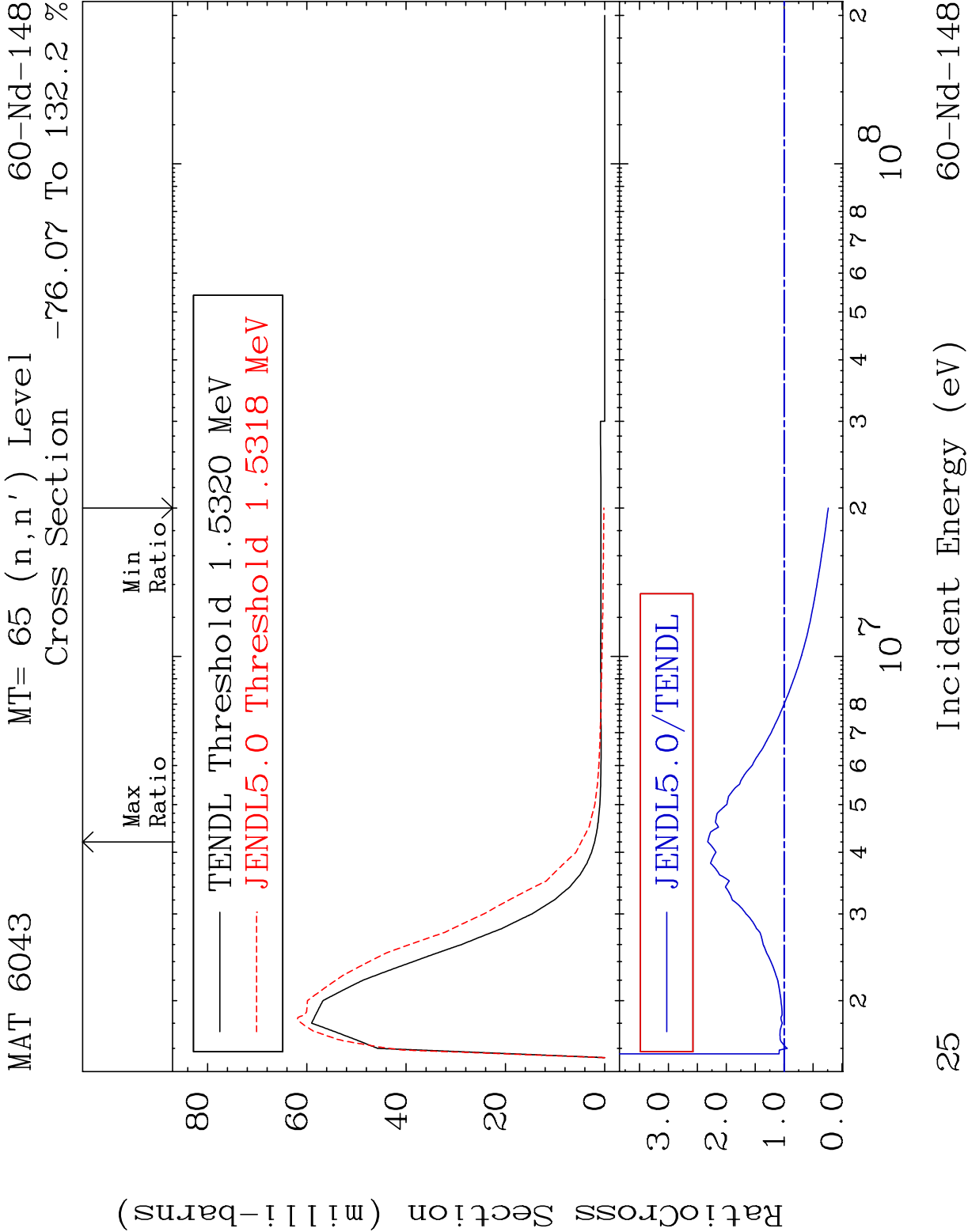


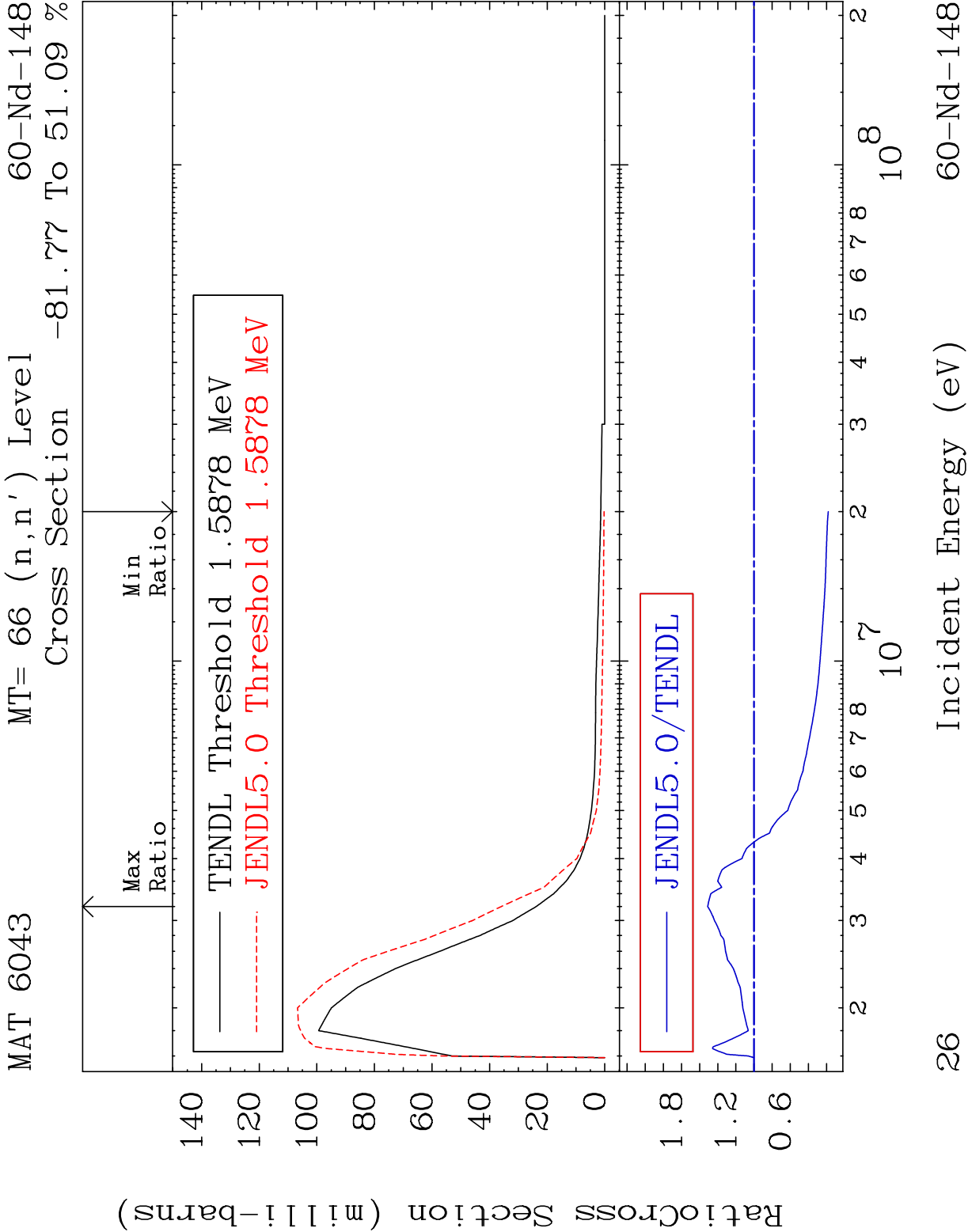
MAT 6043	MT= 63 (n,n')	Level	60-Nd-148
	Cross Section	7.551	To 9999. %

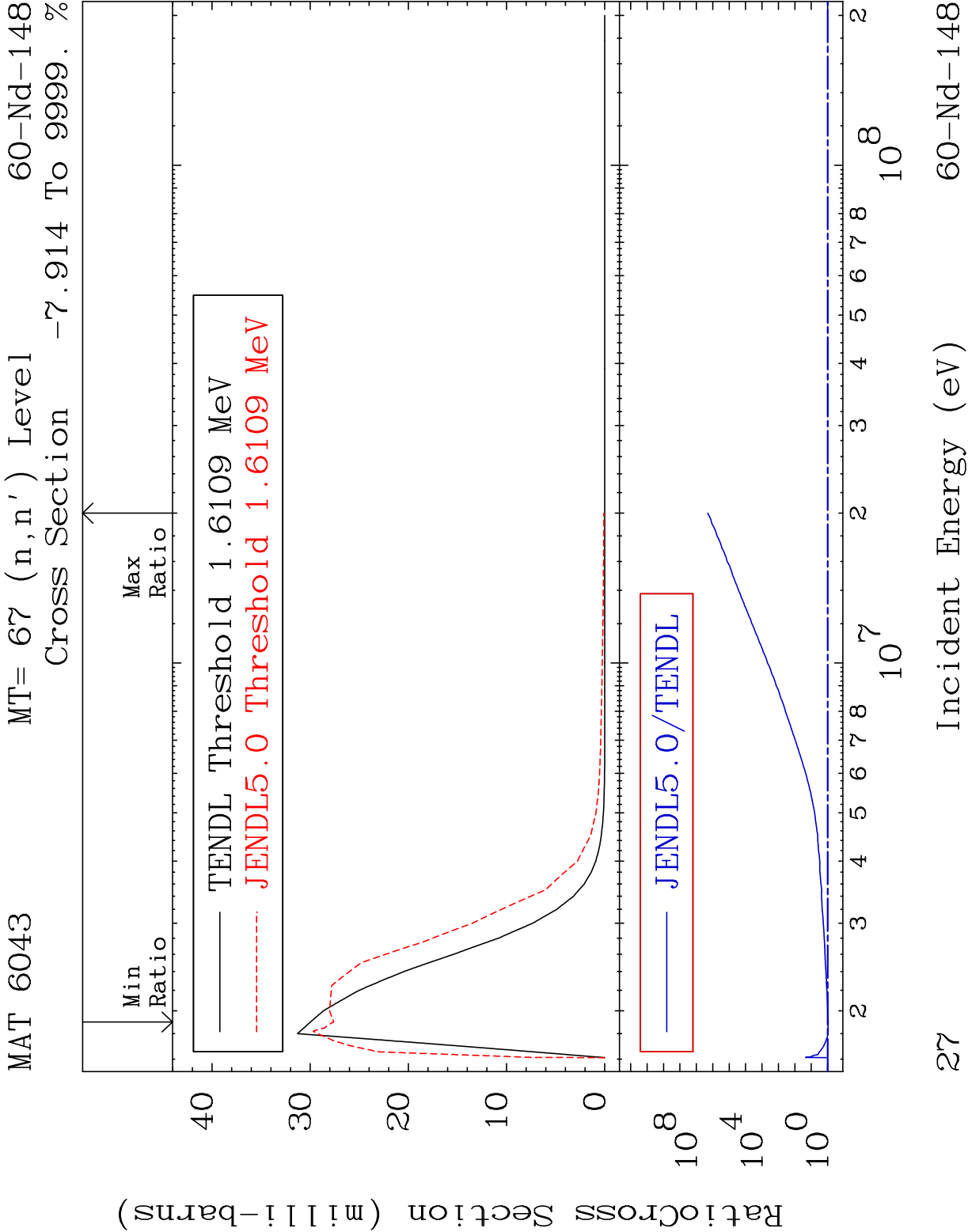


MAT 6043 MT= 64 (n,n') Level 60-Nd-148
Cross Section -100.0 To 333.1 %

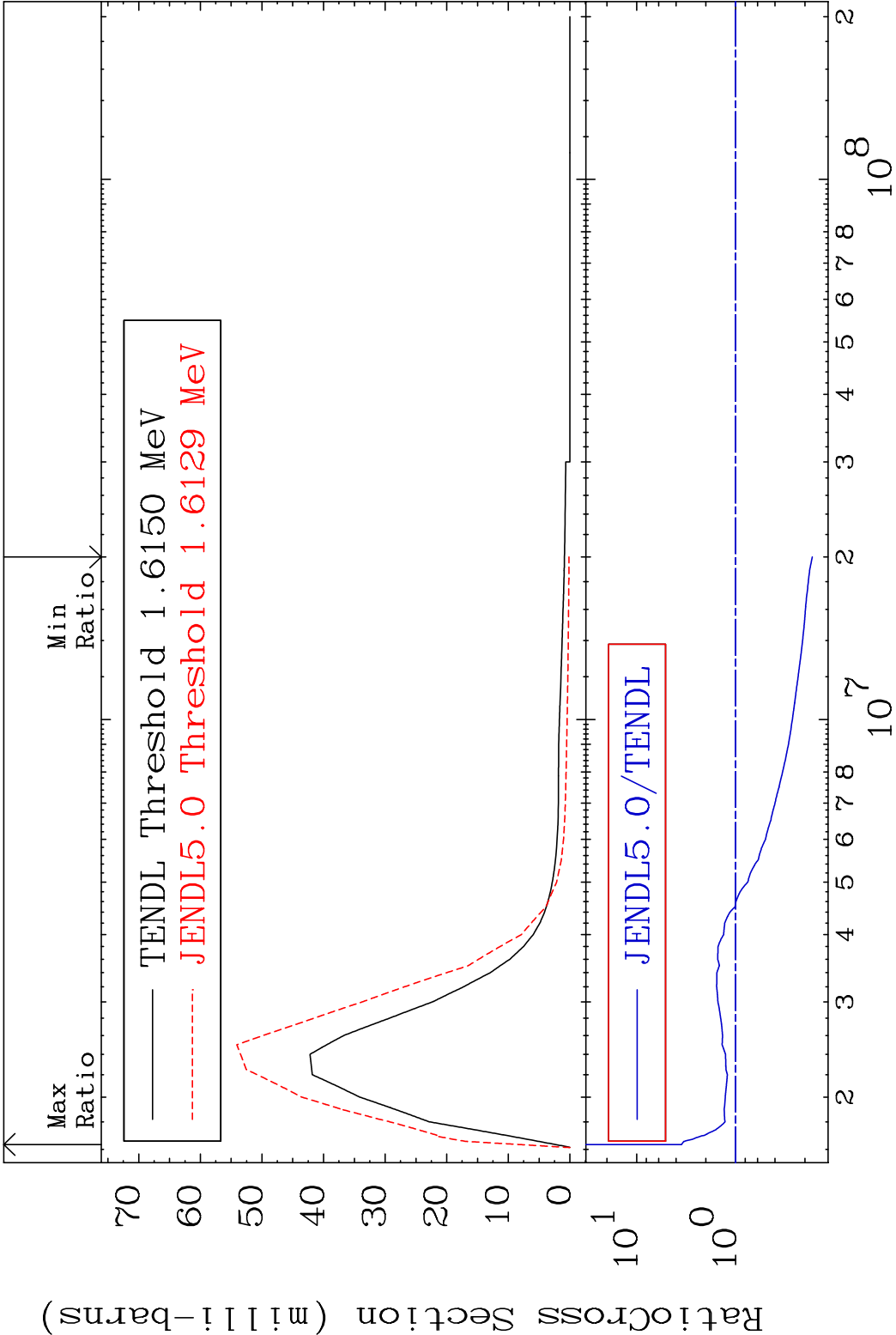








MAT 6043 MT= 68 (n,n') Level 60-Nd-148
Cross Section -83.15 To 252.3 %



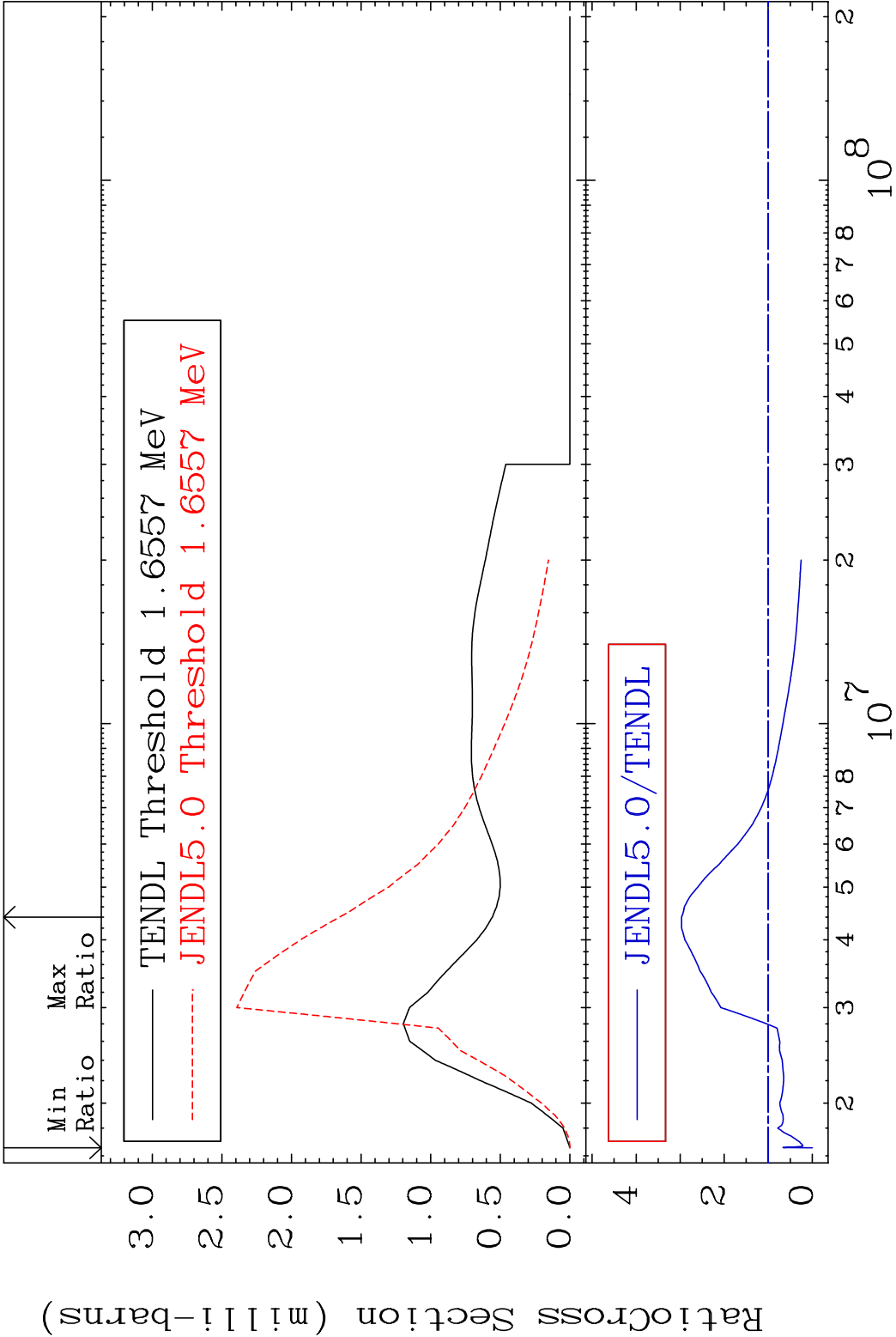
MAT 6043

MT= 69 (n,n') Level

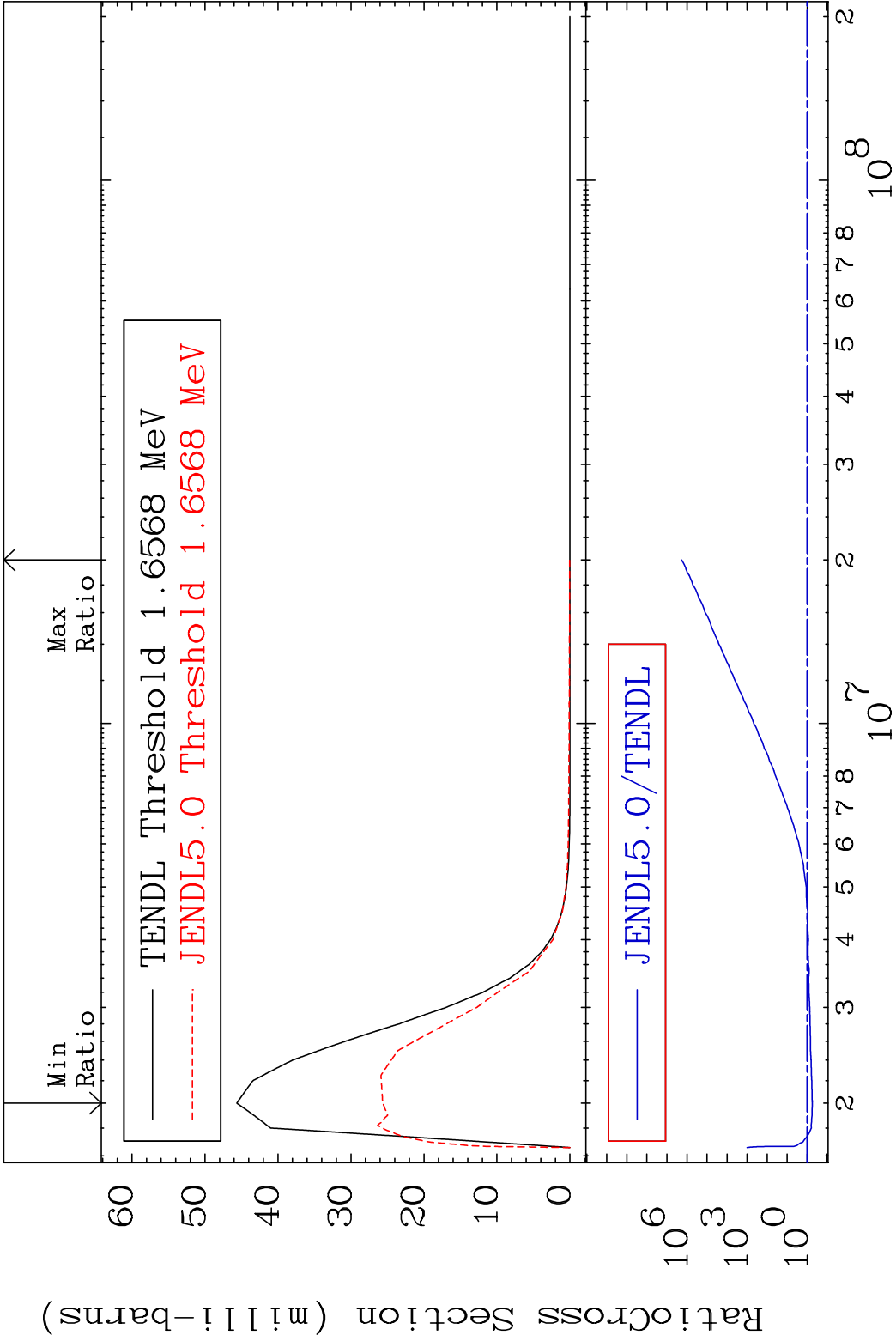
60-Nd-148

Cross Section

-100.0 To 196.9 %

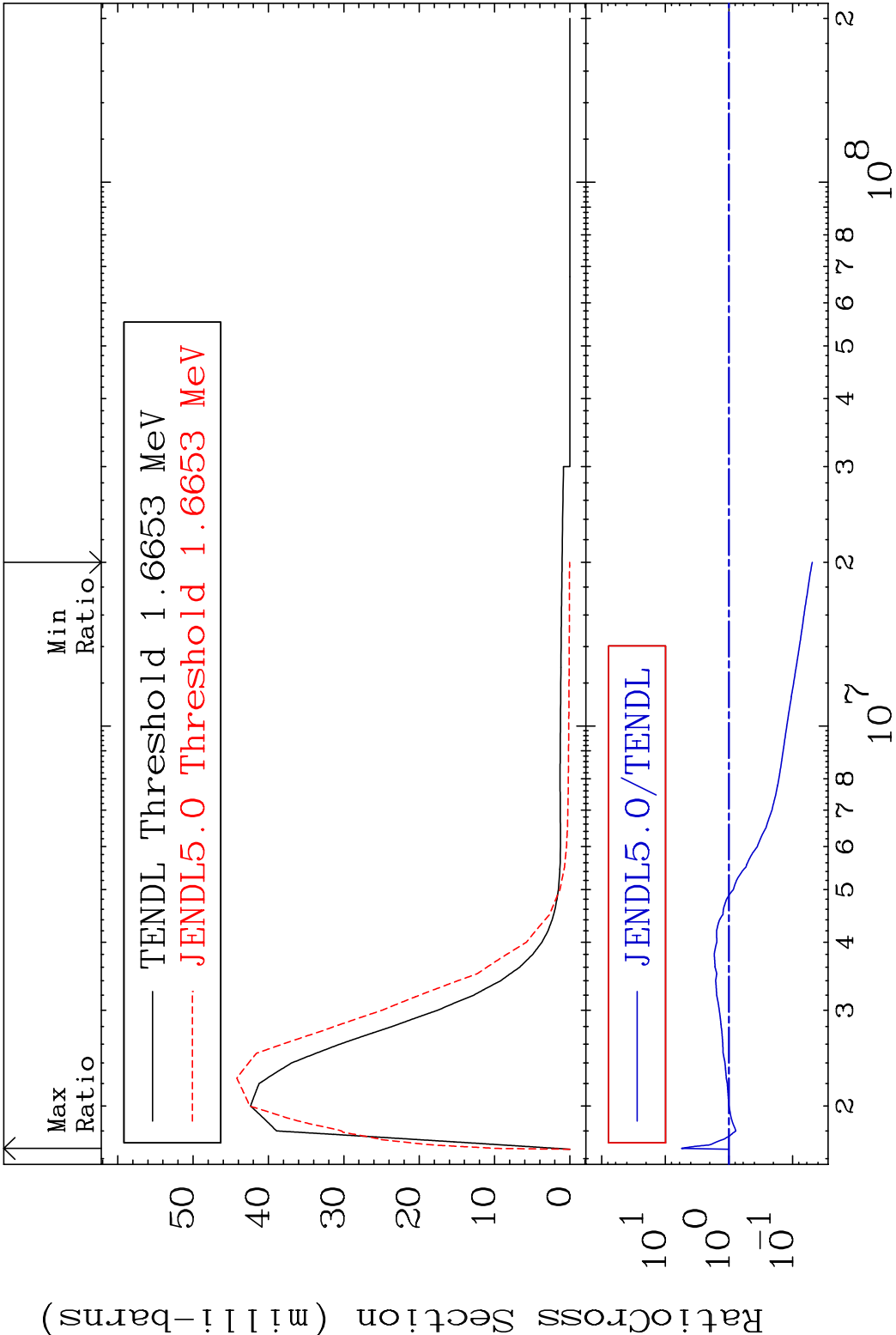


MAT 6043 MT= 70 (n,n') Level 60-Nd-148
Cross Section -43.79 To 9999. %



30 Incident Energy (eV) 60-Nd-148

MAT 6043	MT= 71 (n,n')	Level	60-Nd-148
	Cross Section	-95.08 To 455.5 %	



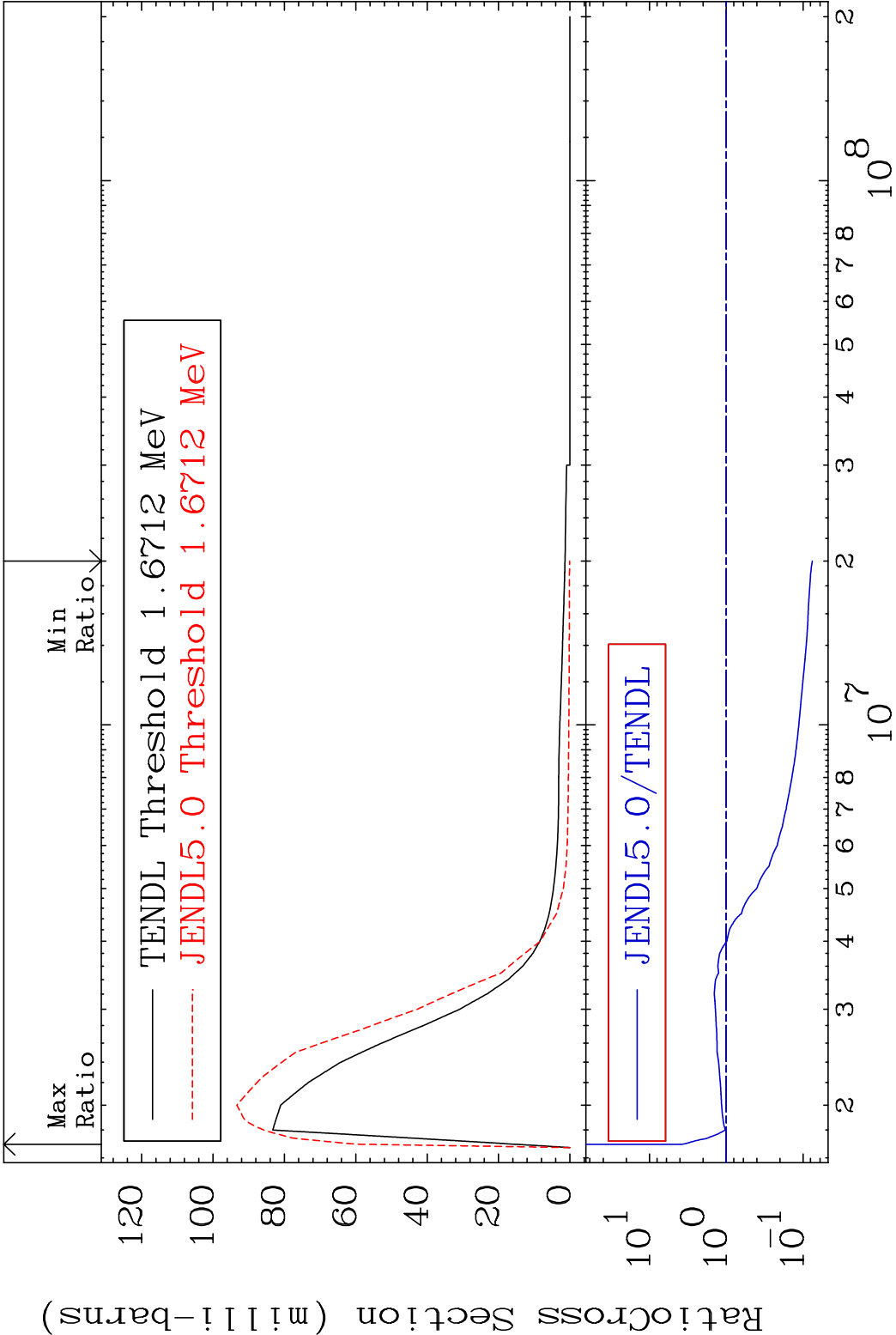
MAT 6043

MT= 72 (n,n') Level

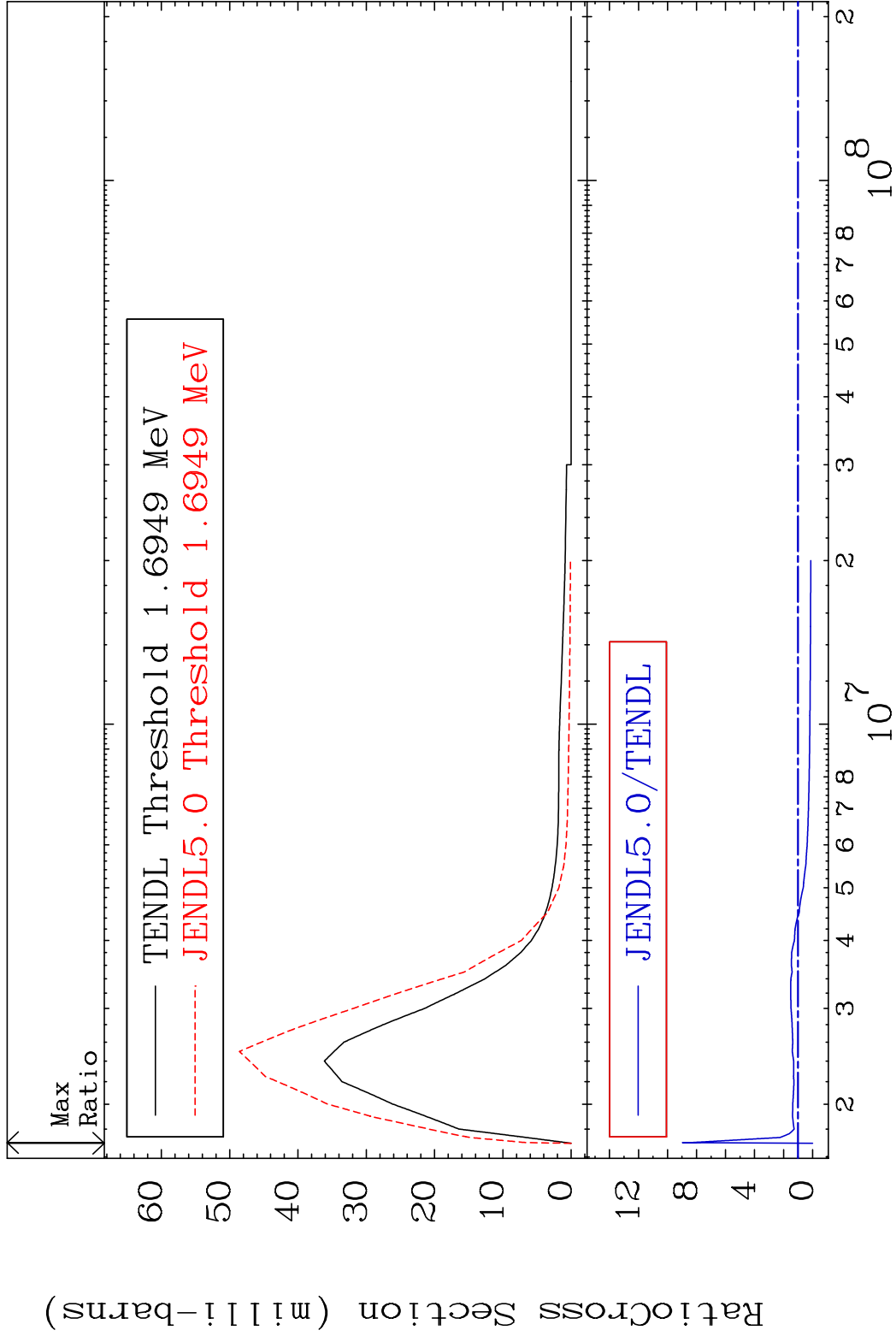
60-Nd-148

Cross Section

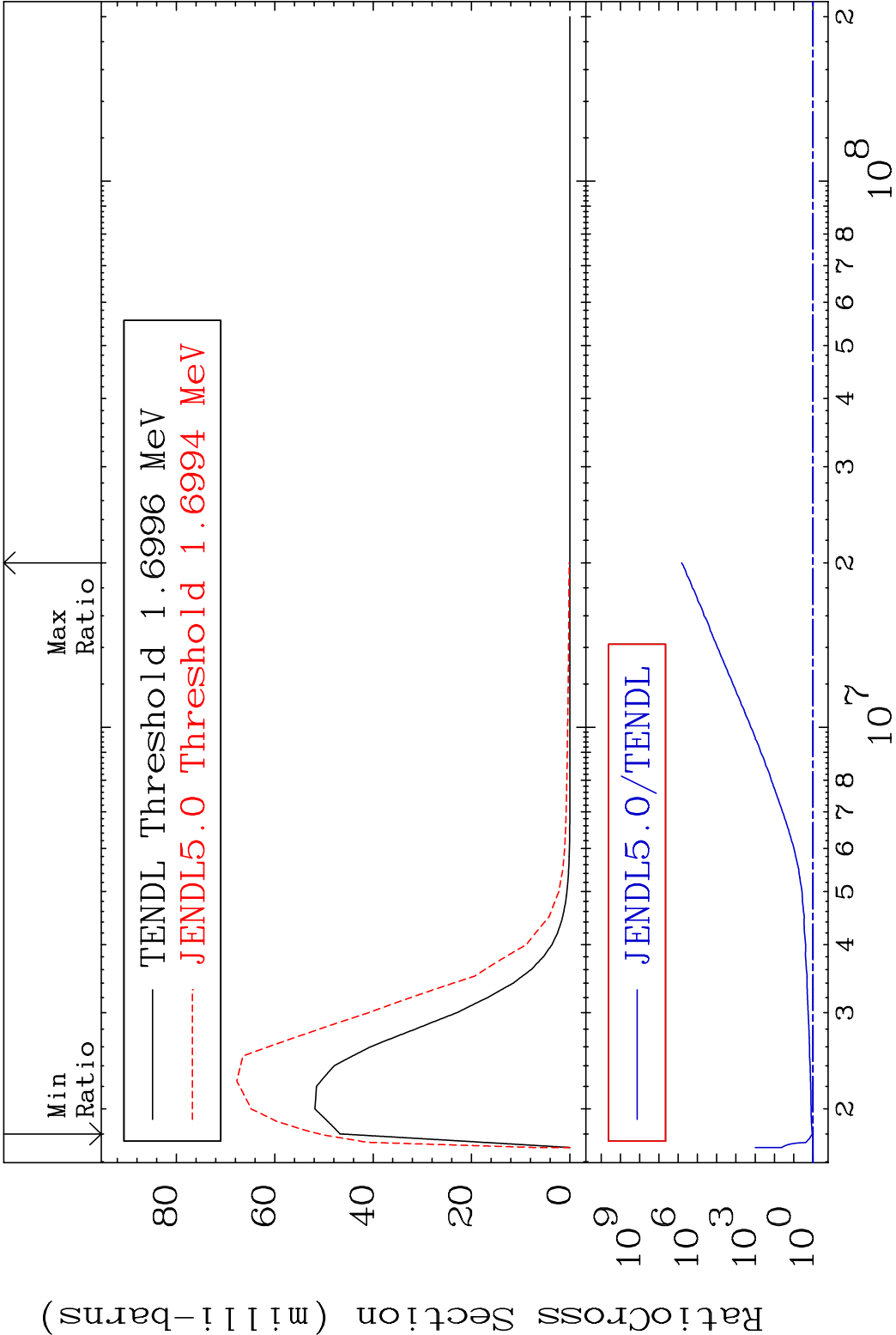
-92.41 To 282.8 %



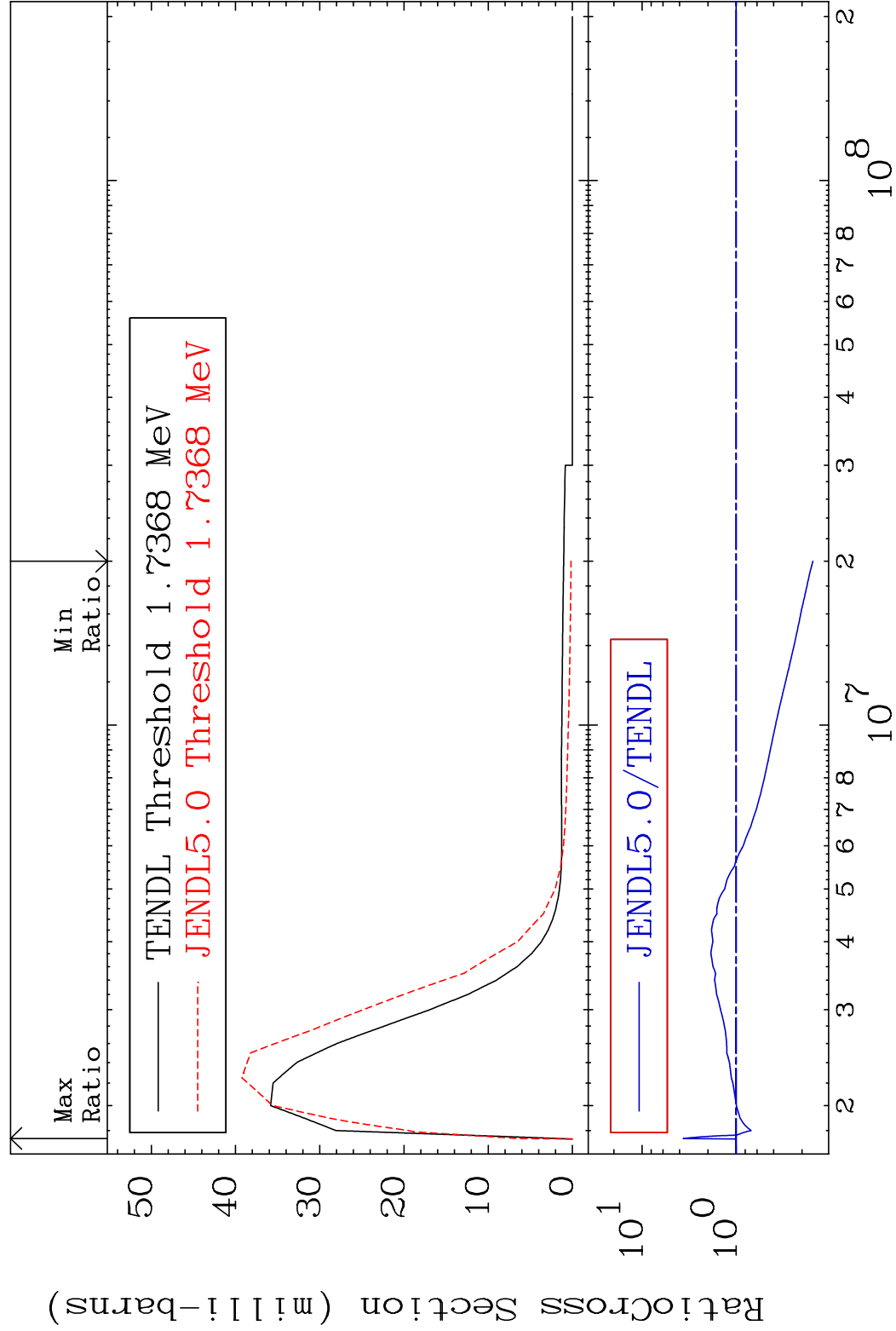
MAT 6043 MT= 73 (n,n') Level 60-Nd-148
Cross Section -100.0 To 797.8 %



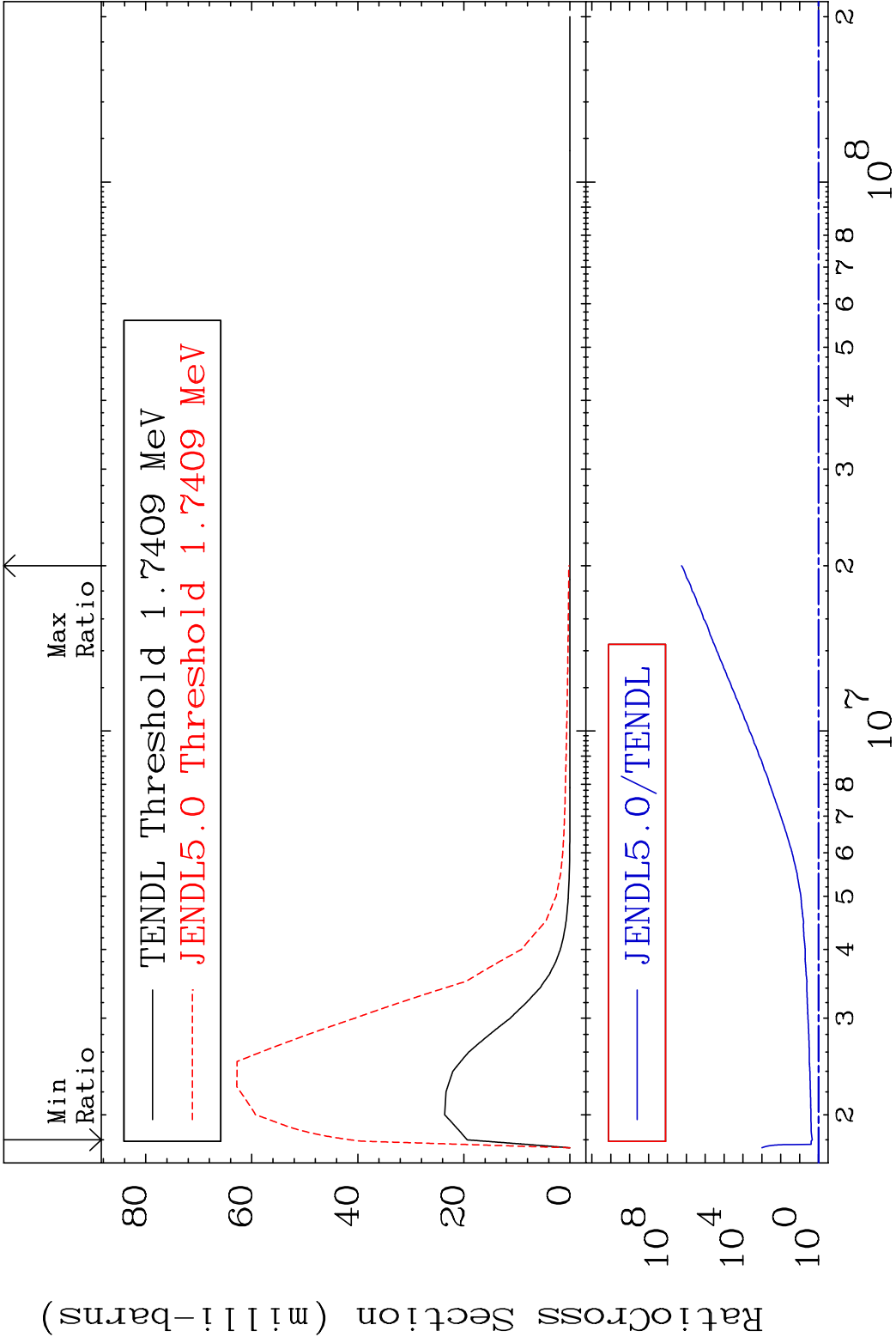
MAT 6043 MT= 74 (n,n') Level 60-Nd-148
Cross Section 8.974 To 9999. %

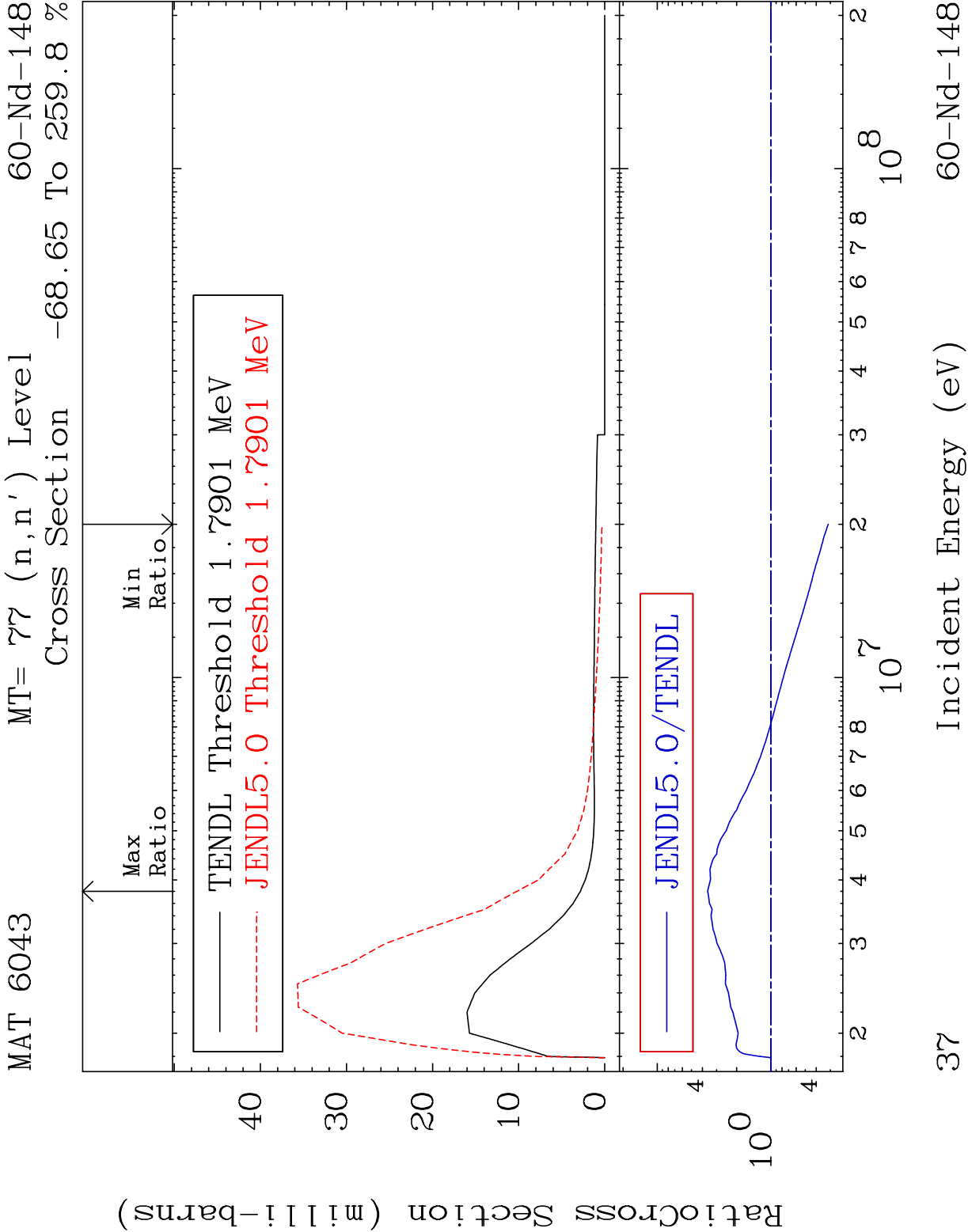


MAT 6043 MT= 75 (n,n') Level 60-Nd-148
Cross Section -84.70 To 266.3 %

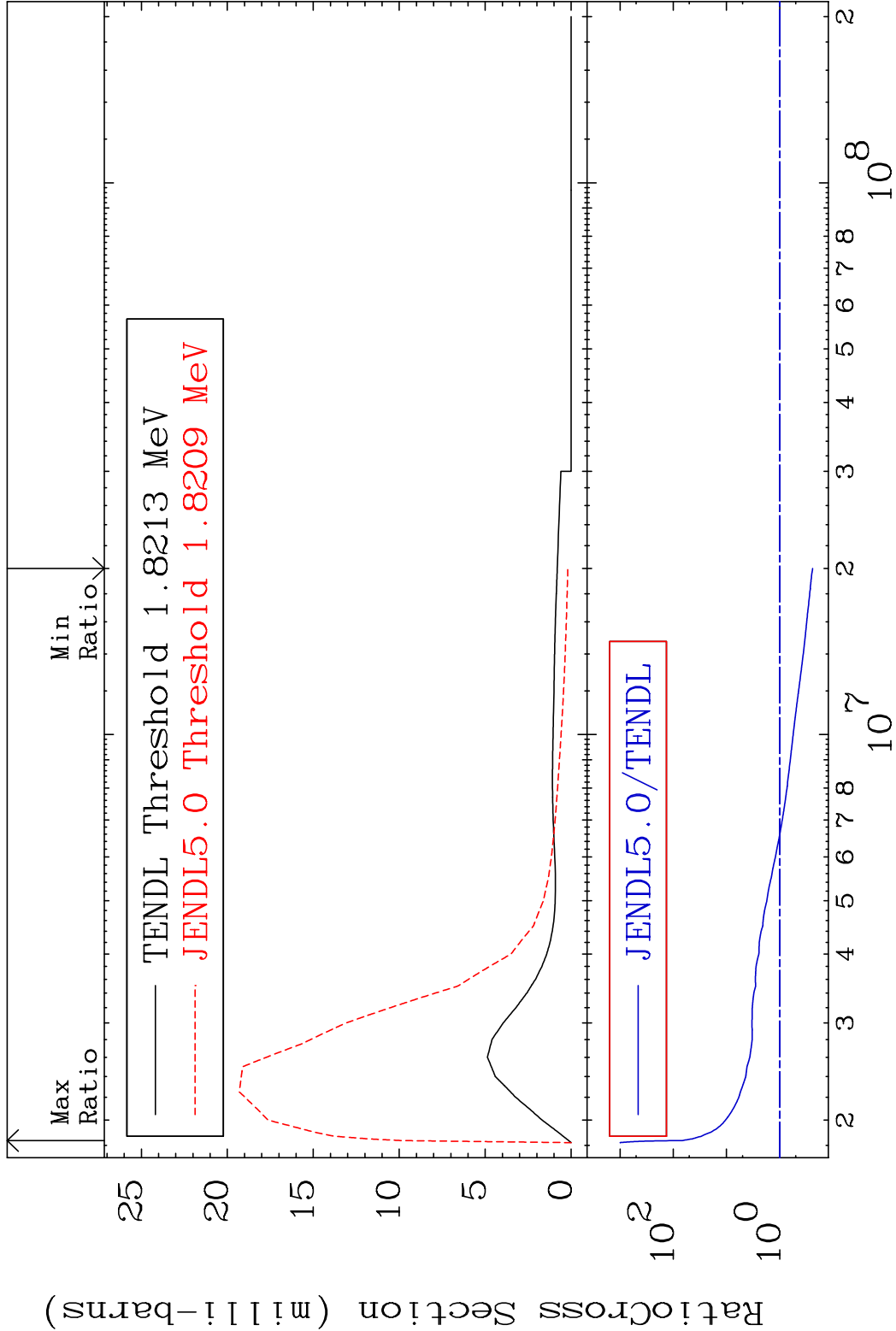


MAT 6043	MT= 76 (n,n')	Level	60-Nd-148
	Cross Section	113.7	To 9999. %

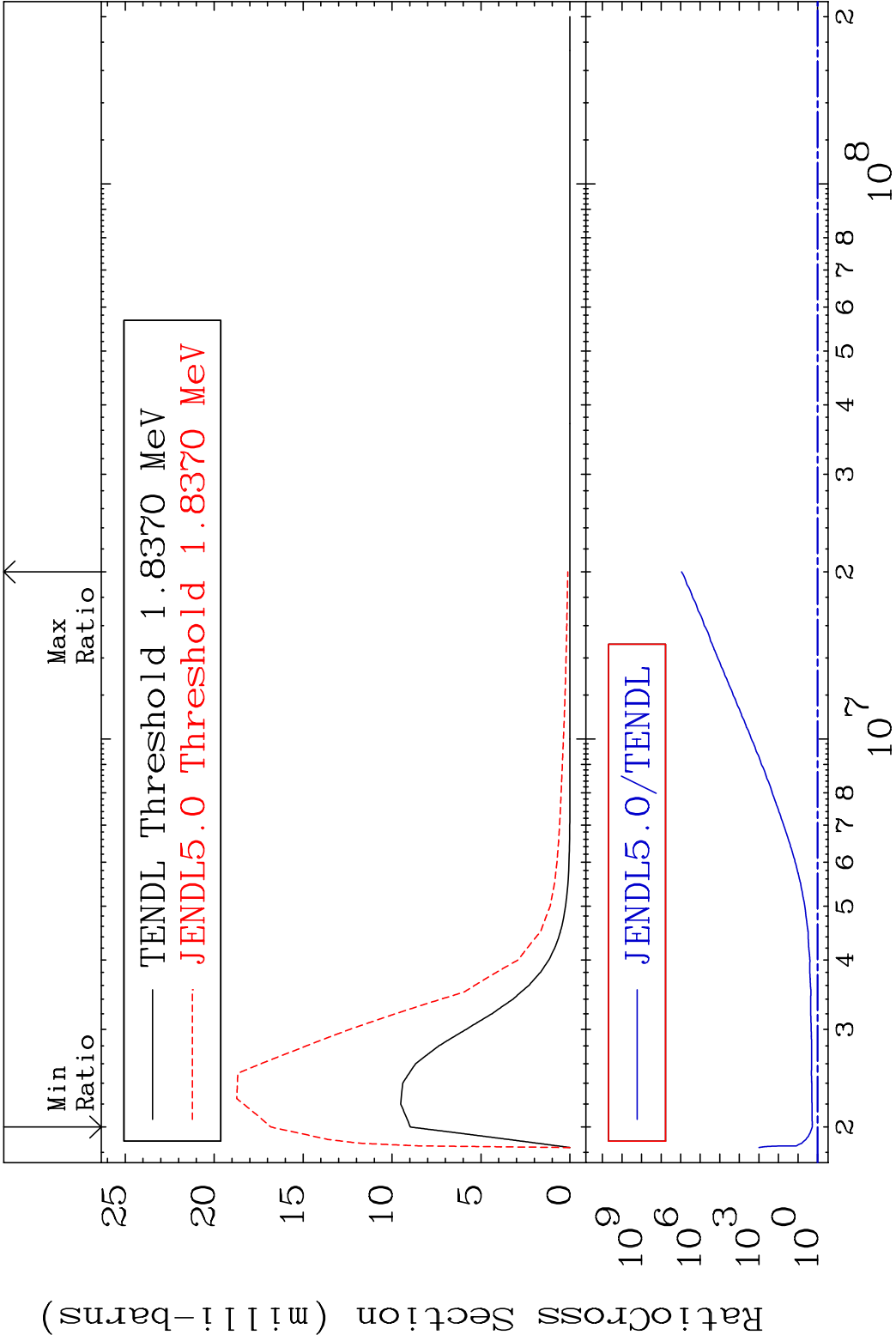




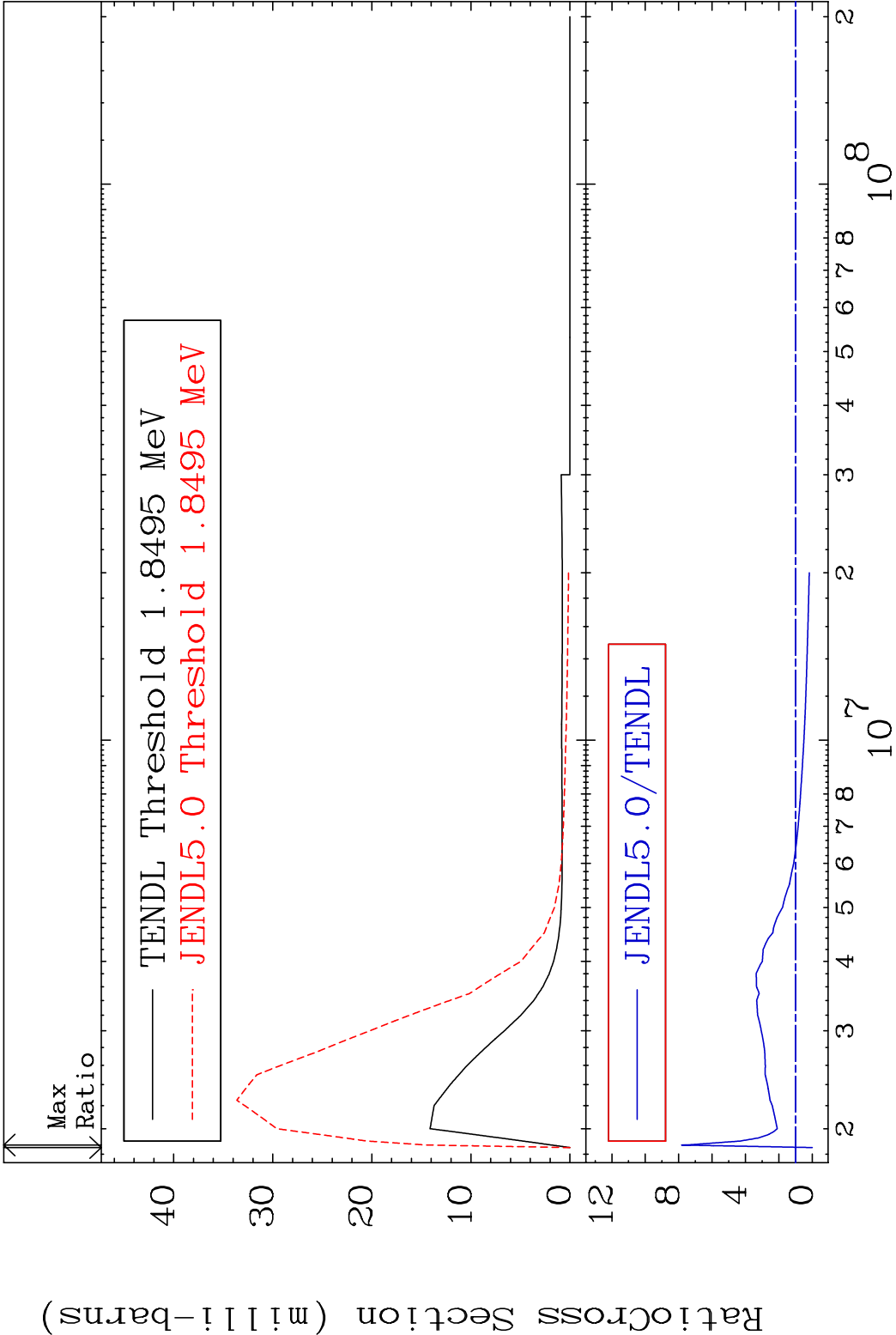
MAT 6043 MT= 78 (n,n') Level 60-Nd-148
Cross Section -75.85 To 6646. %

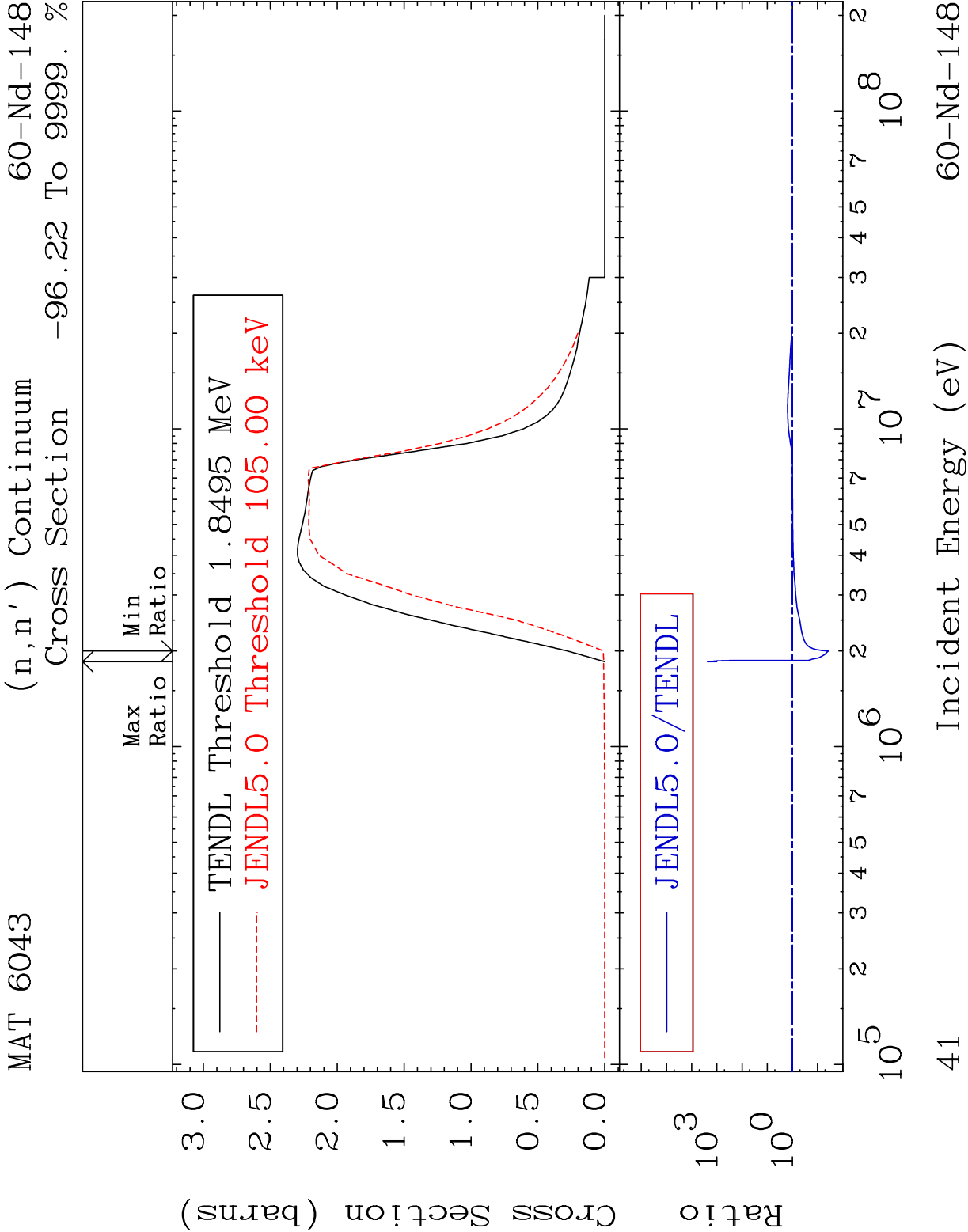


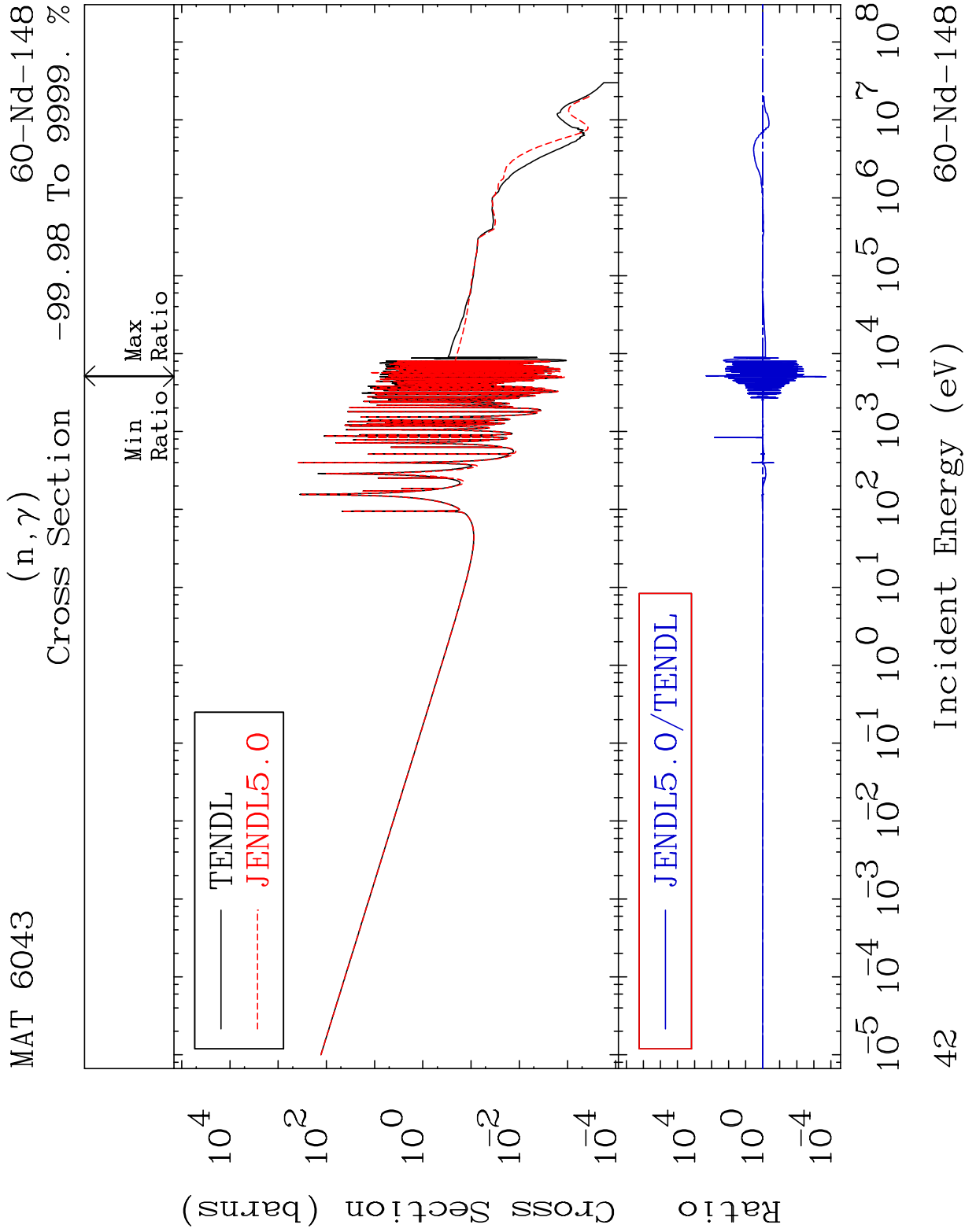
MAT 6043 MT= 79 (n,n') Level 60-Nd-148
Cross Section 87.37 To 9999. %

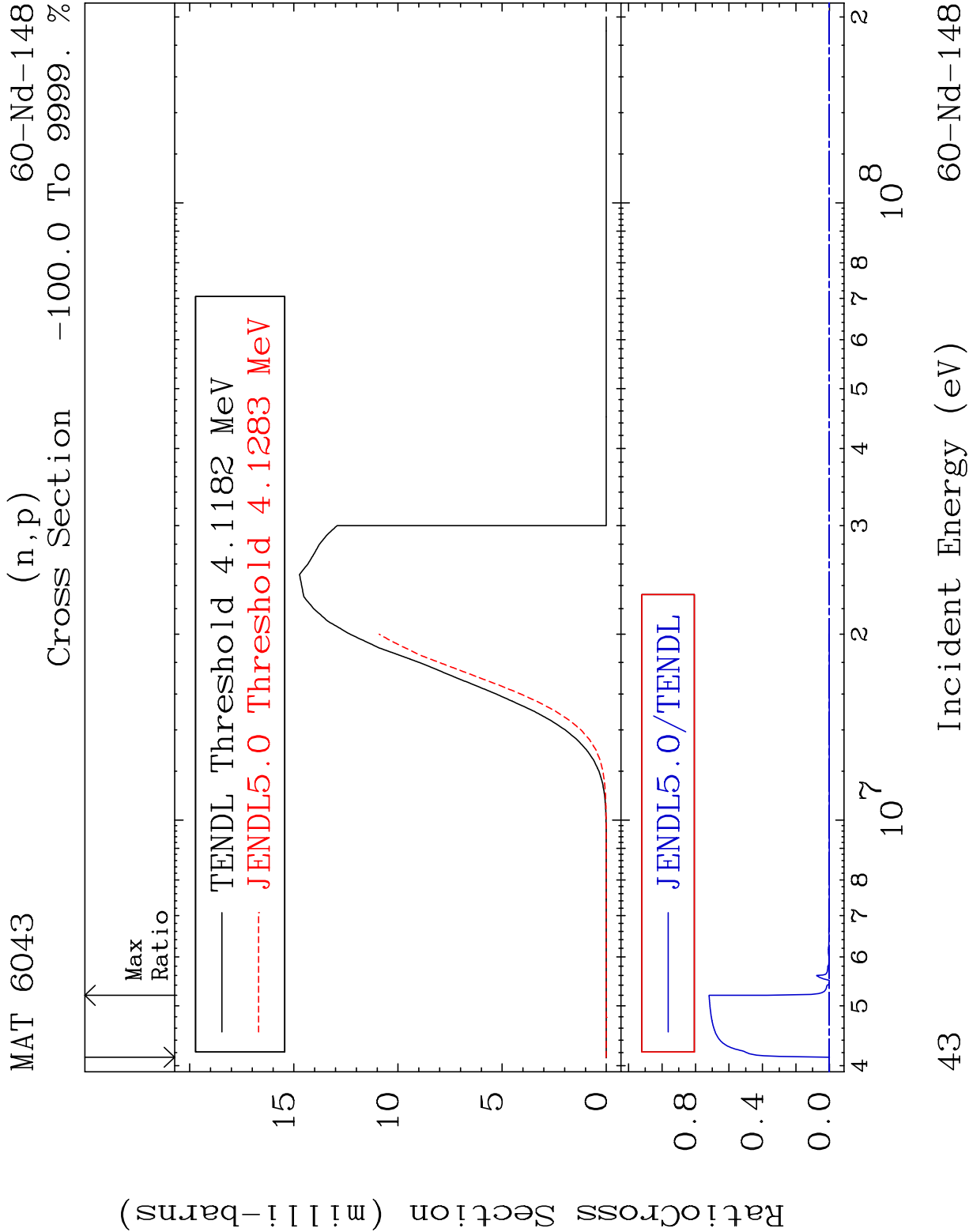


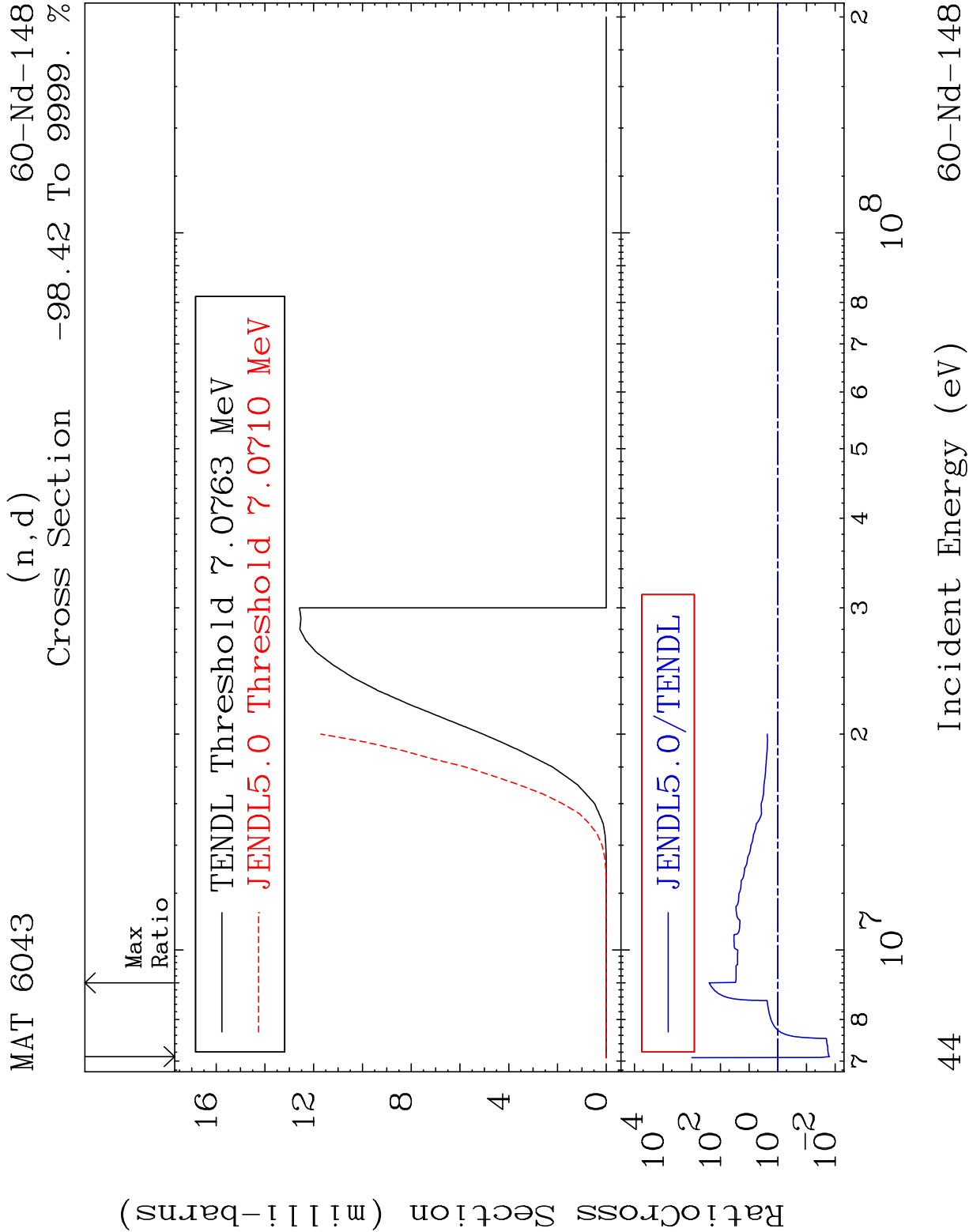
MAT 6043 MT= 80 (n,n') Level 60-Nd-148
Cross Section -100.0 To 682.8 %

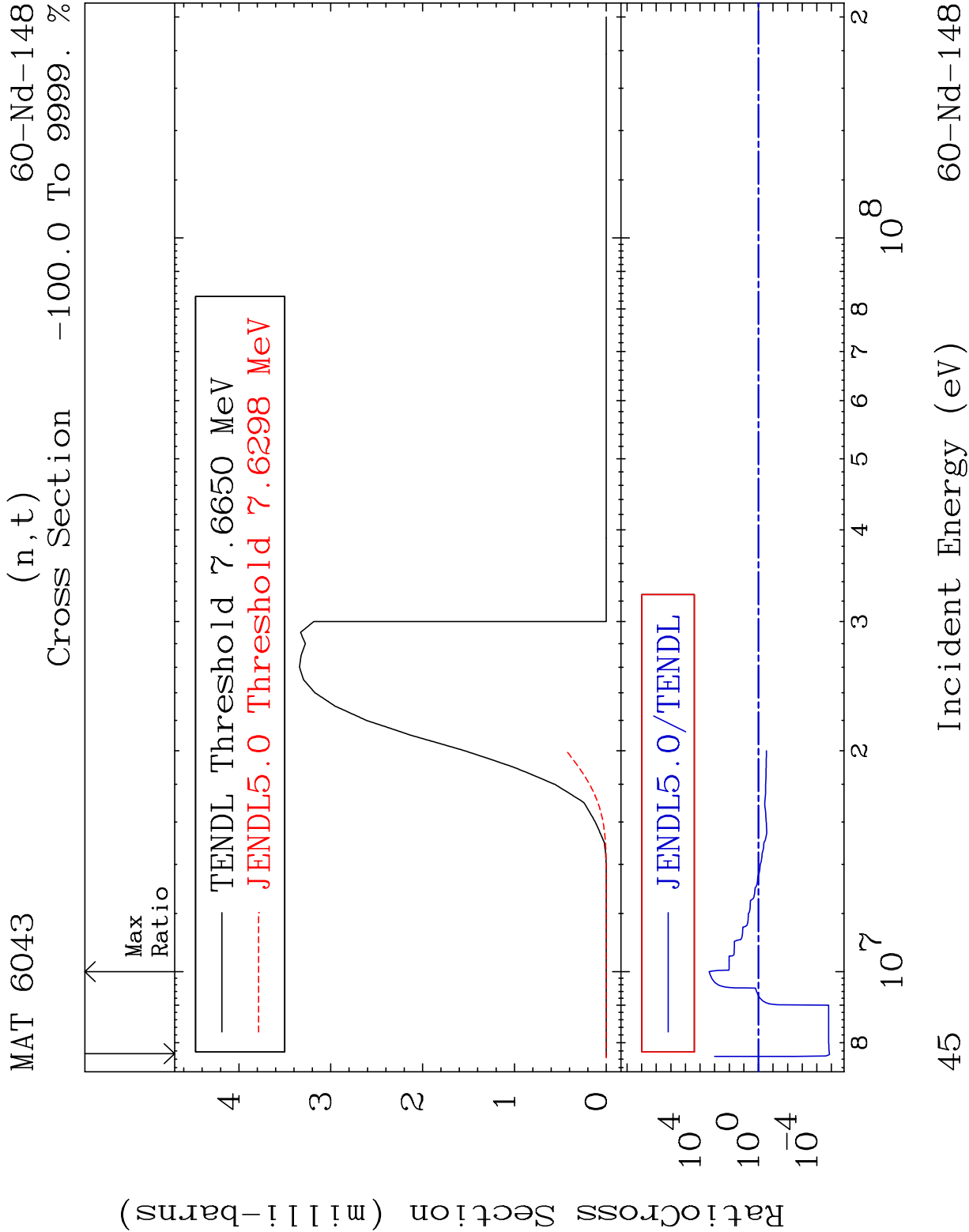


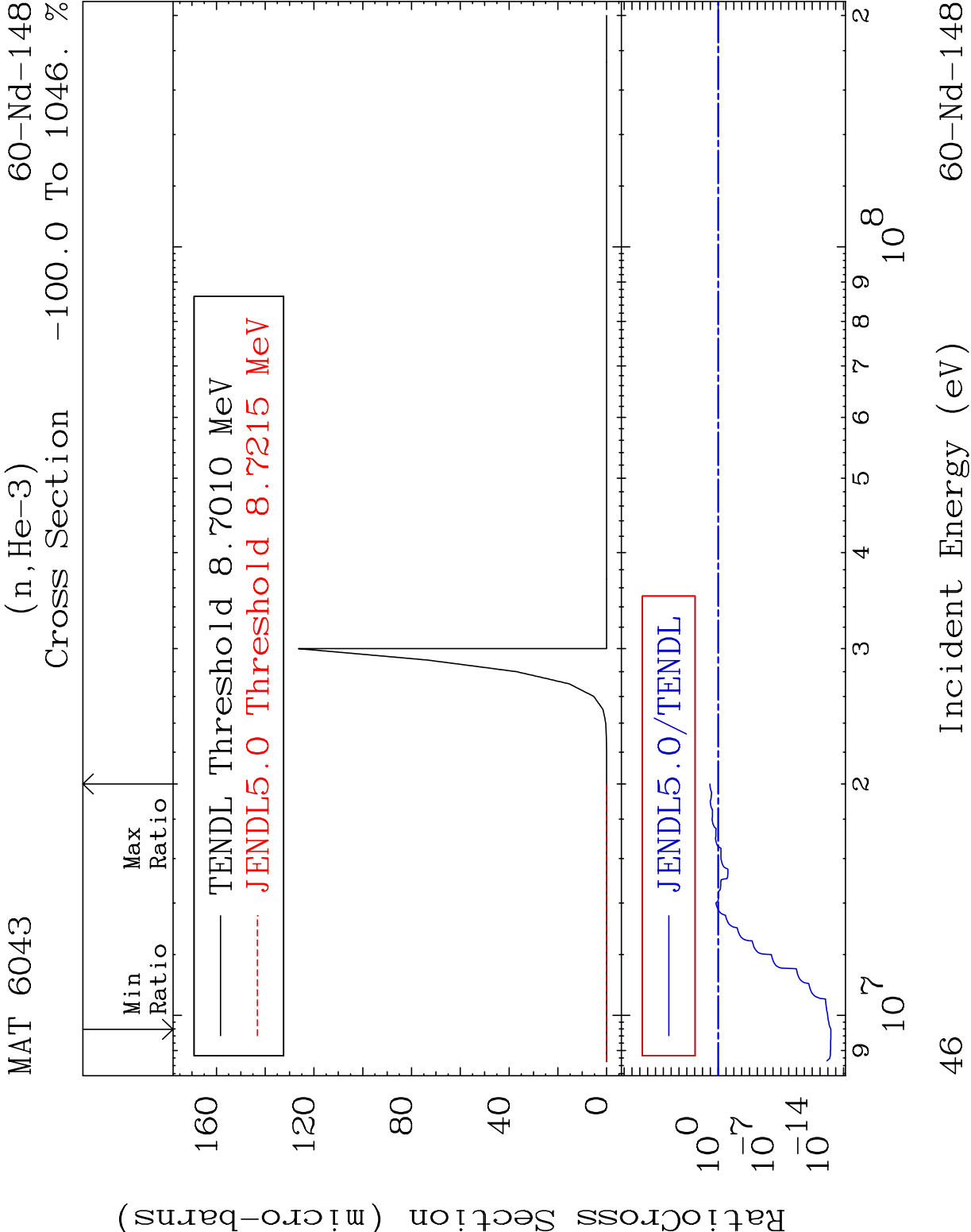


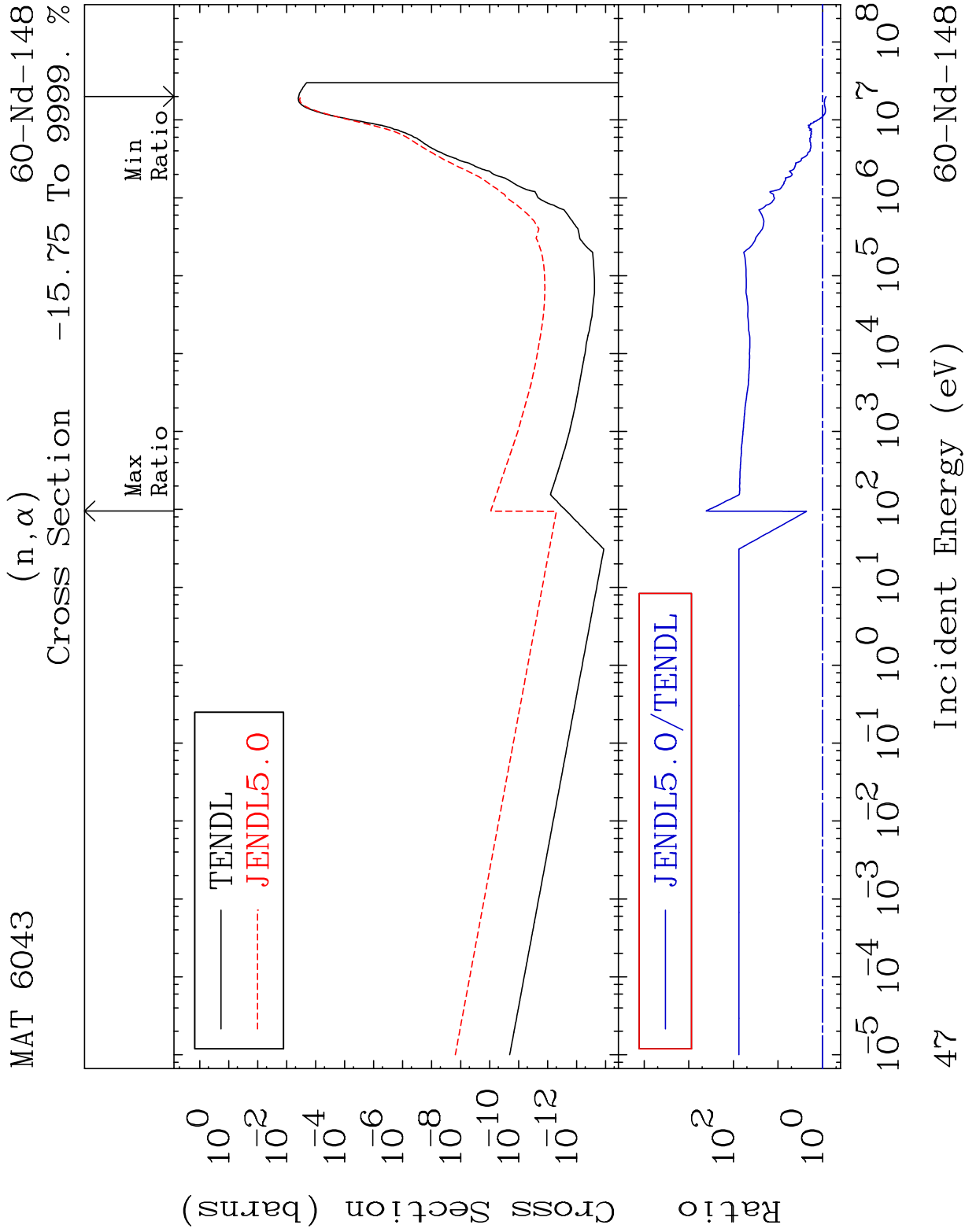


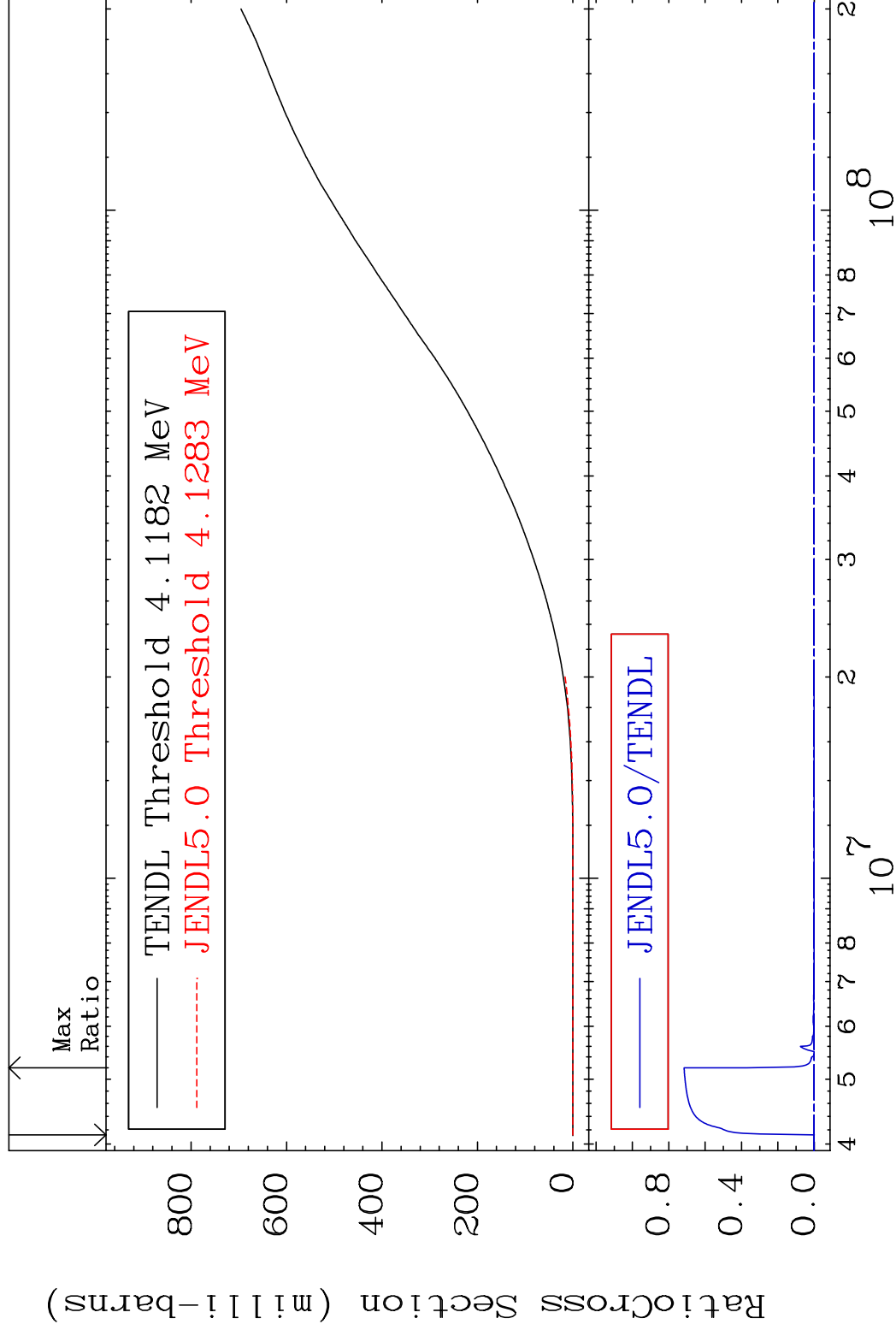


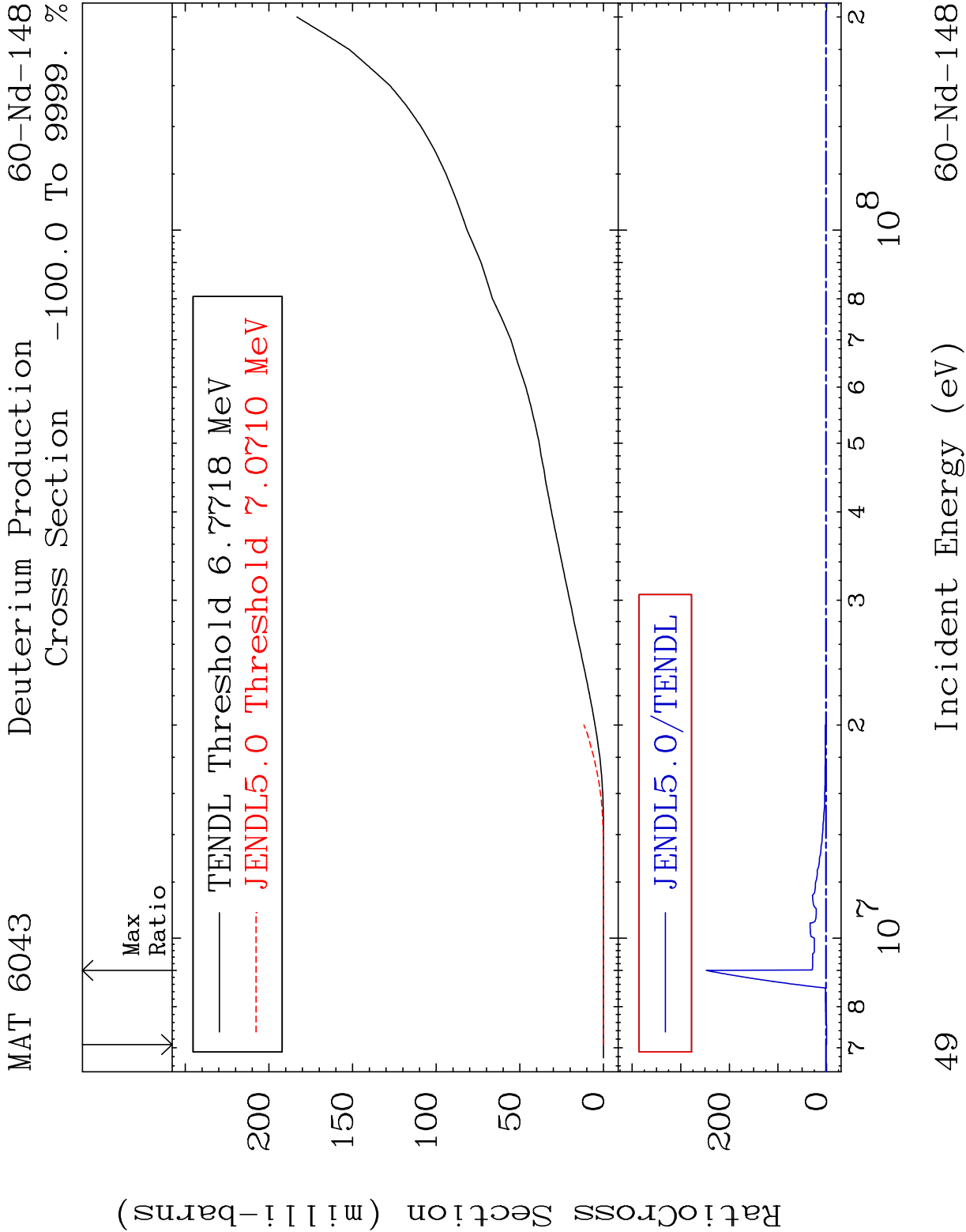


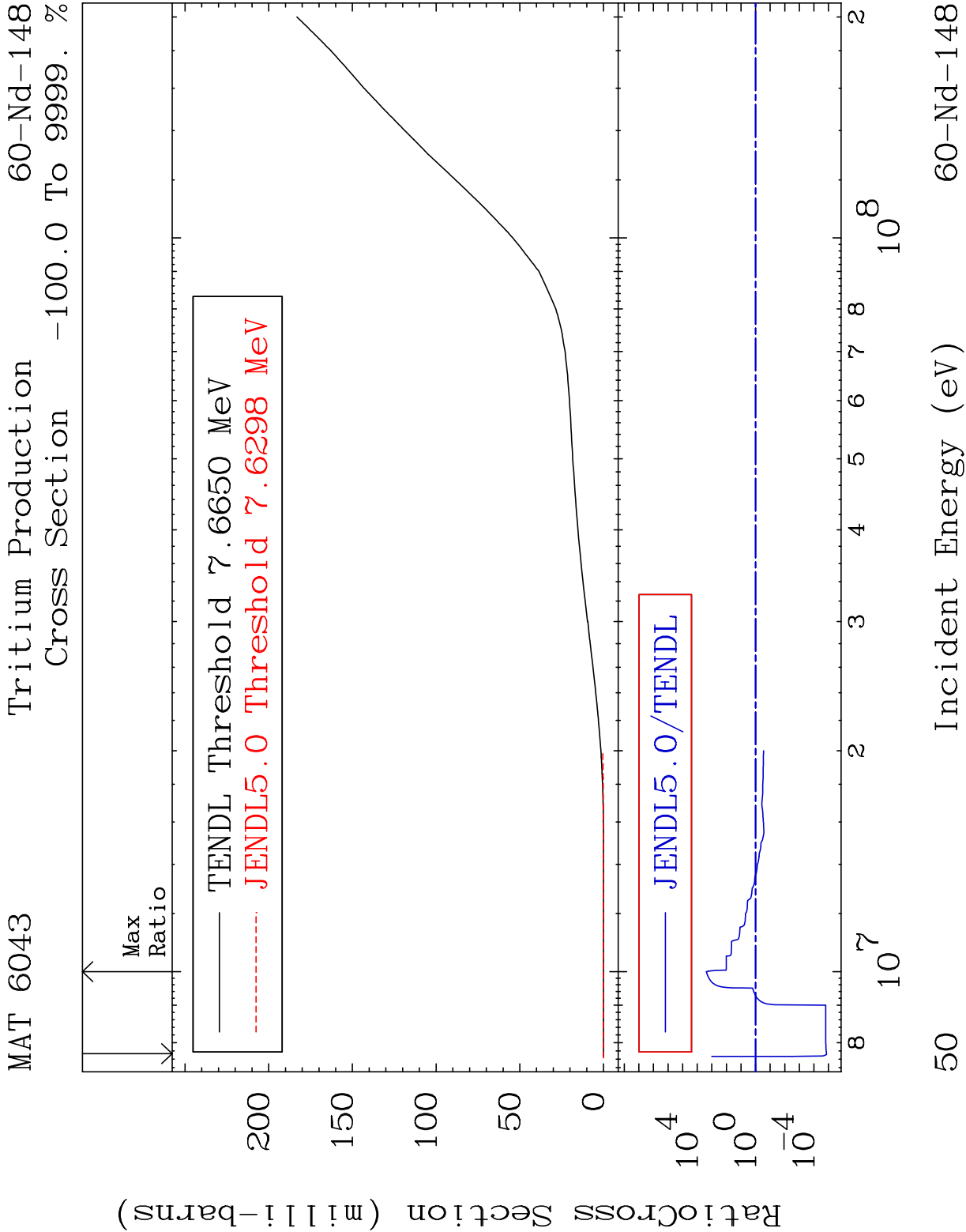


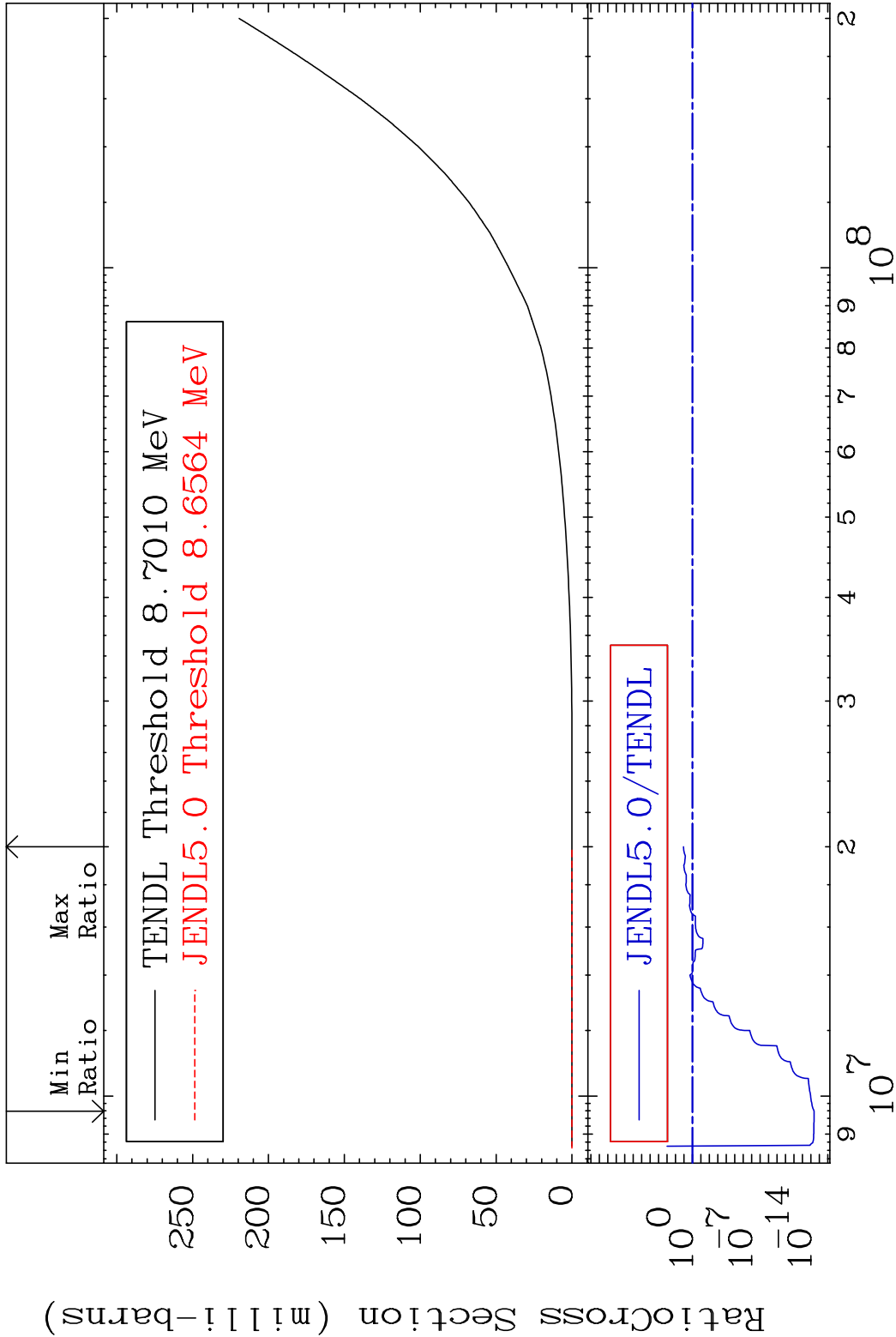


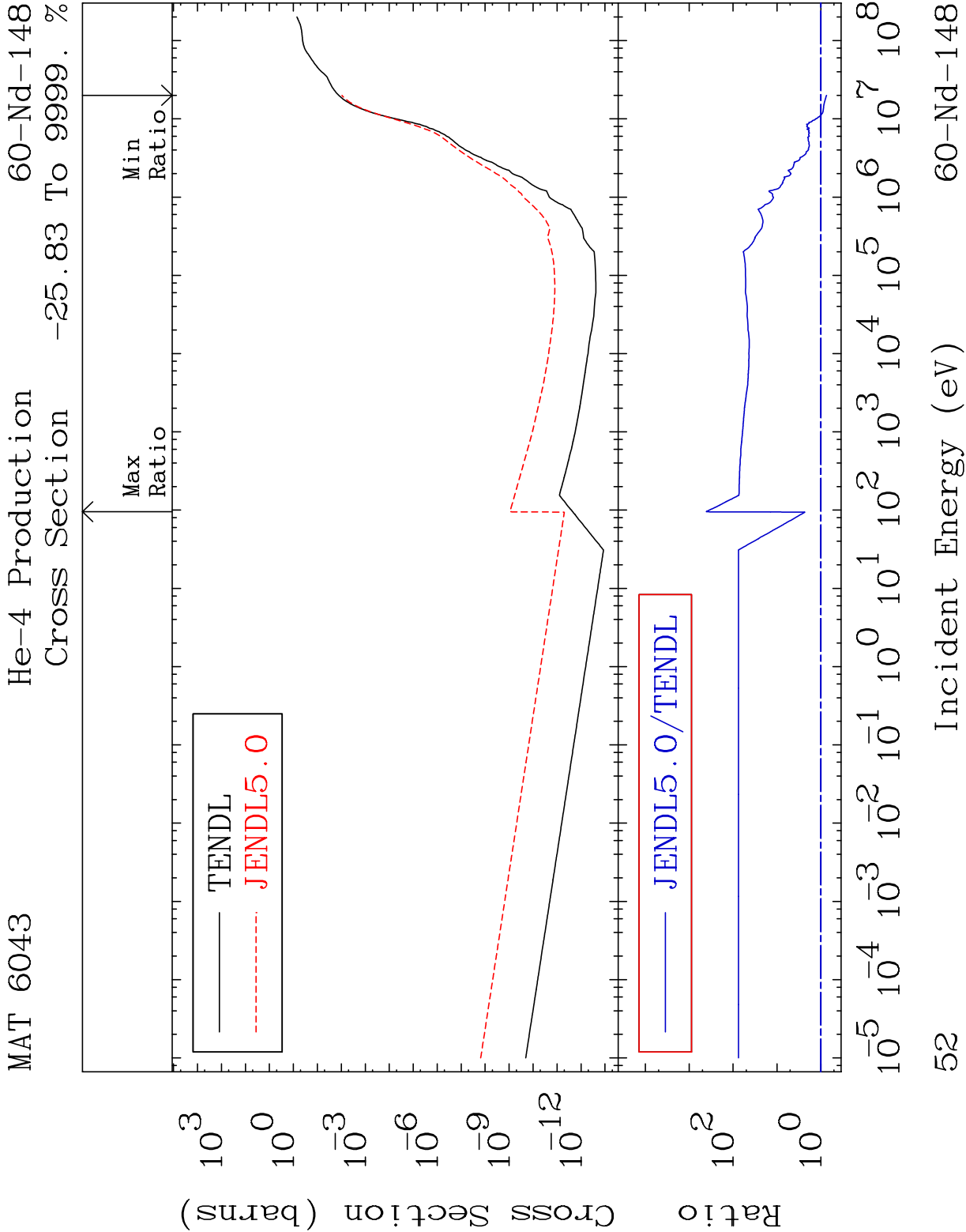




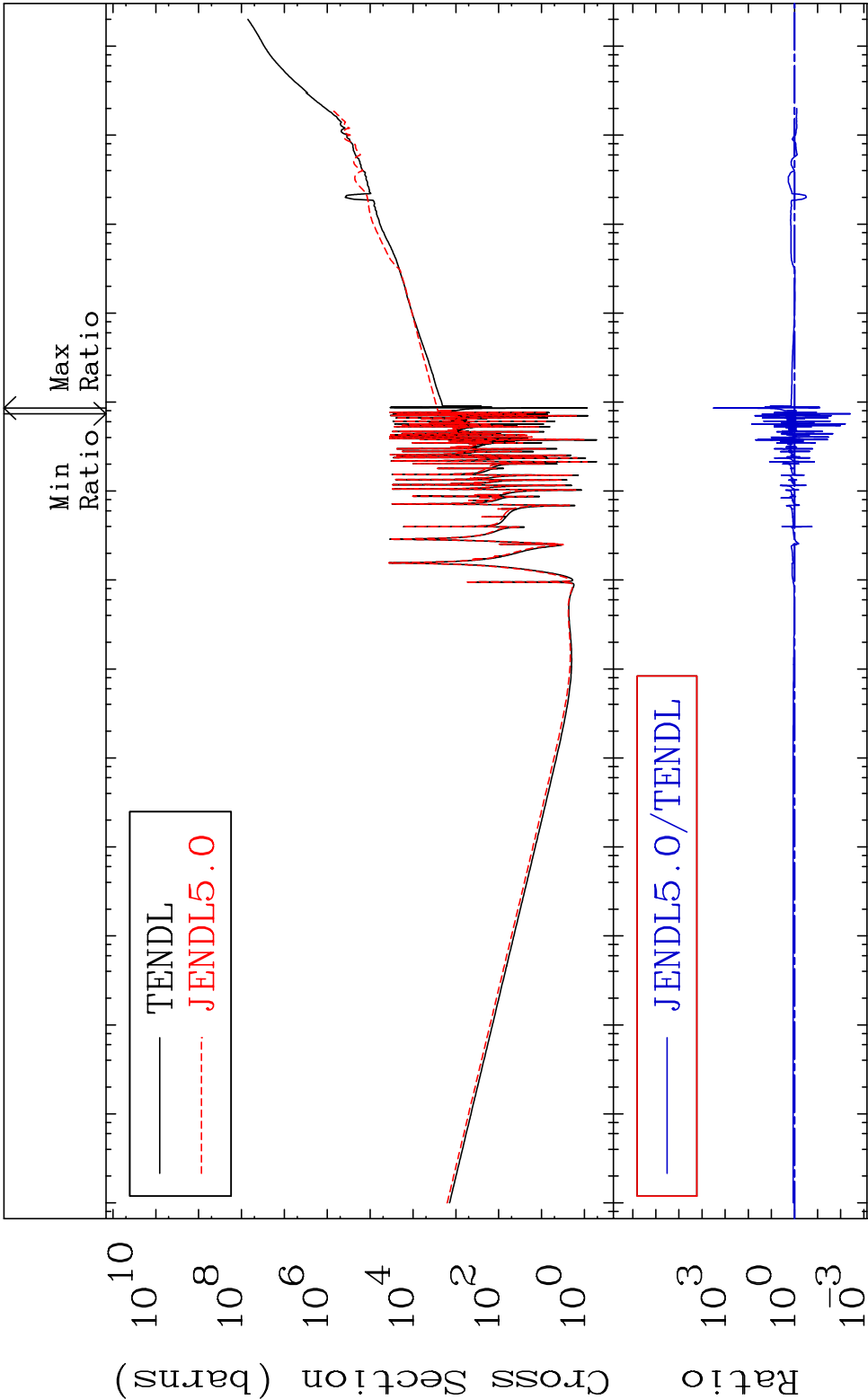






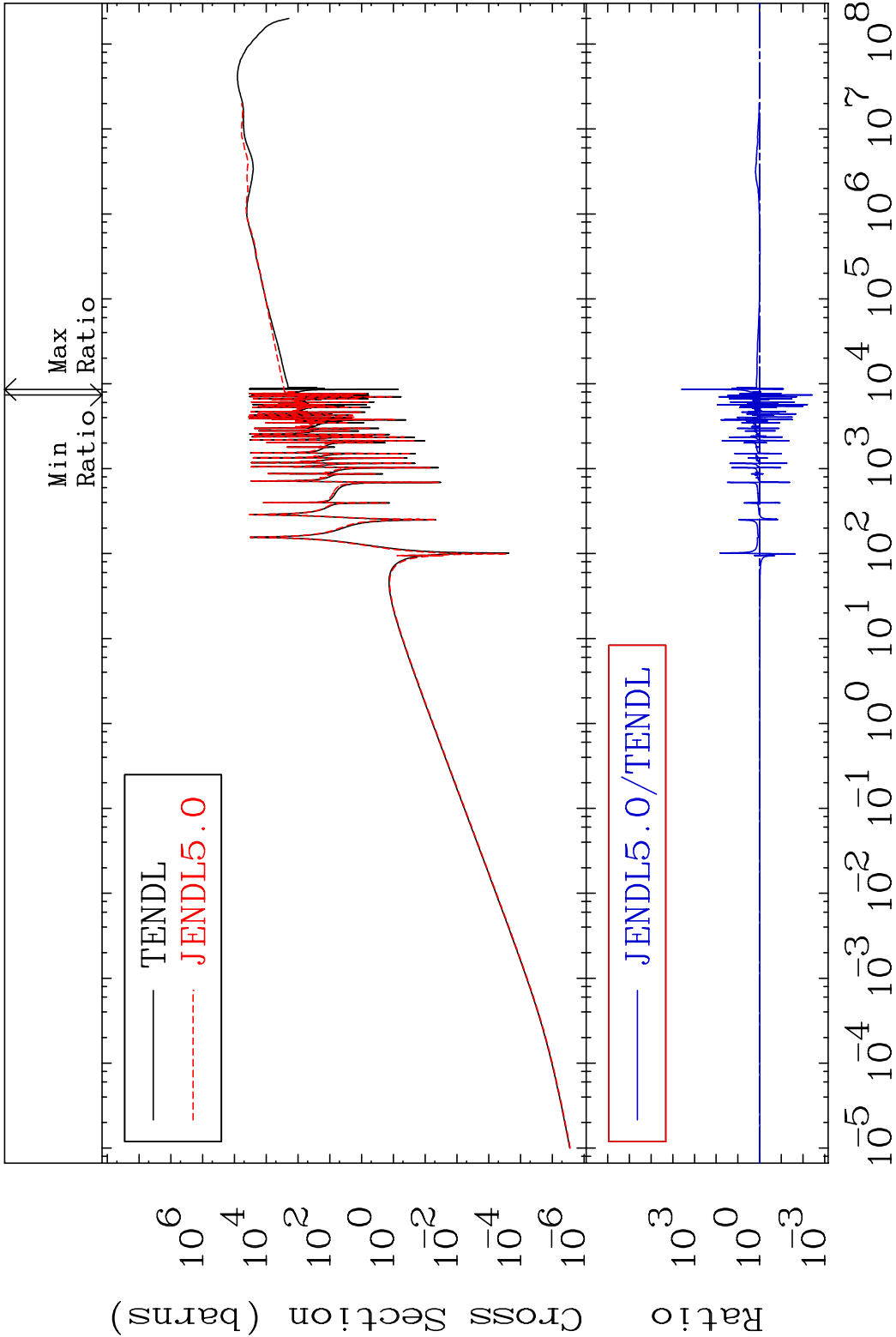


MAT 6043 Kerma total (eV-barns) 60-Nd-148
Cross Section -99.62 To 9999. %

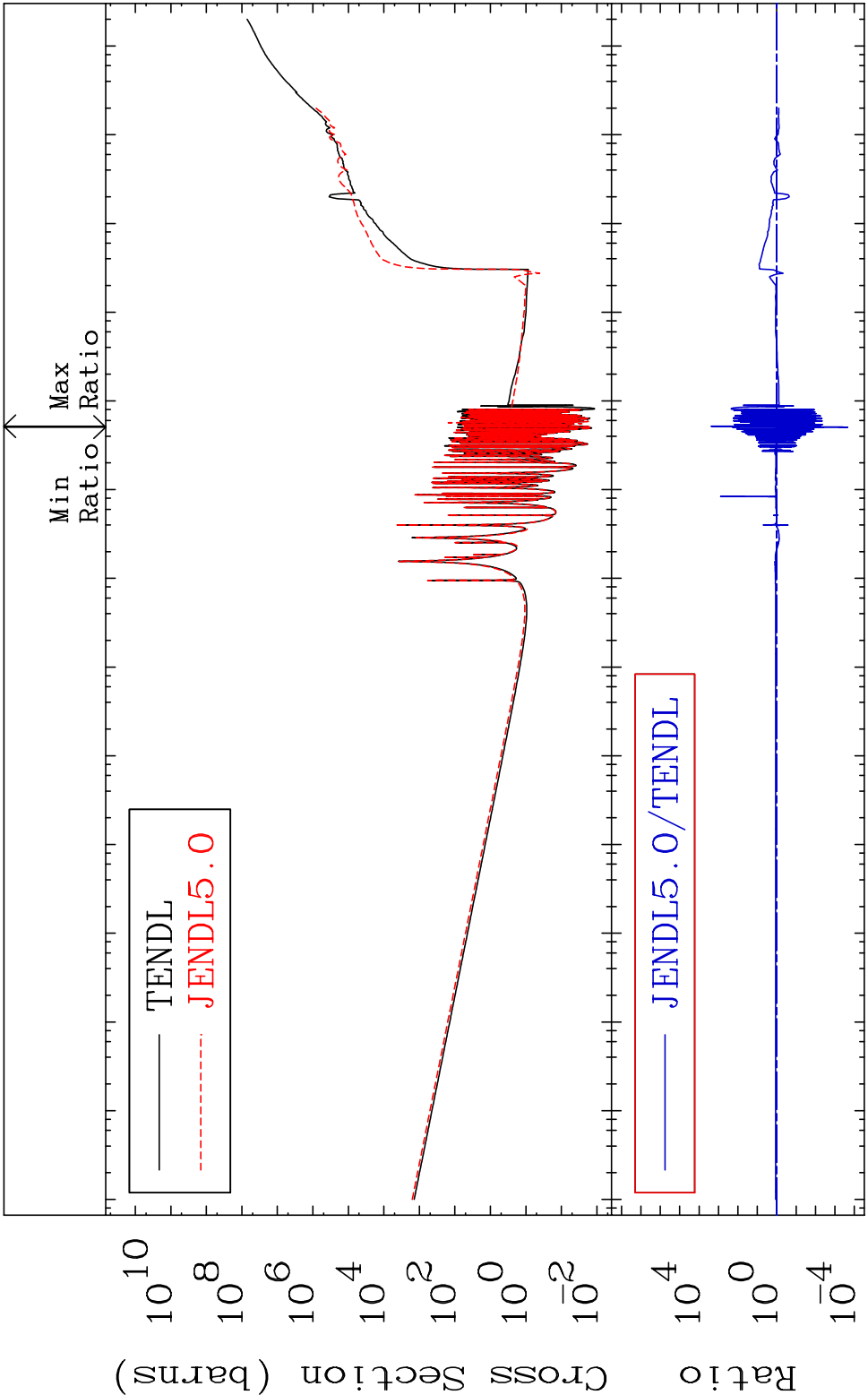


53 Incident Energy (eV) 60-Nd-148

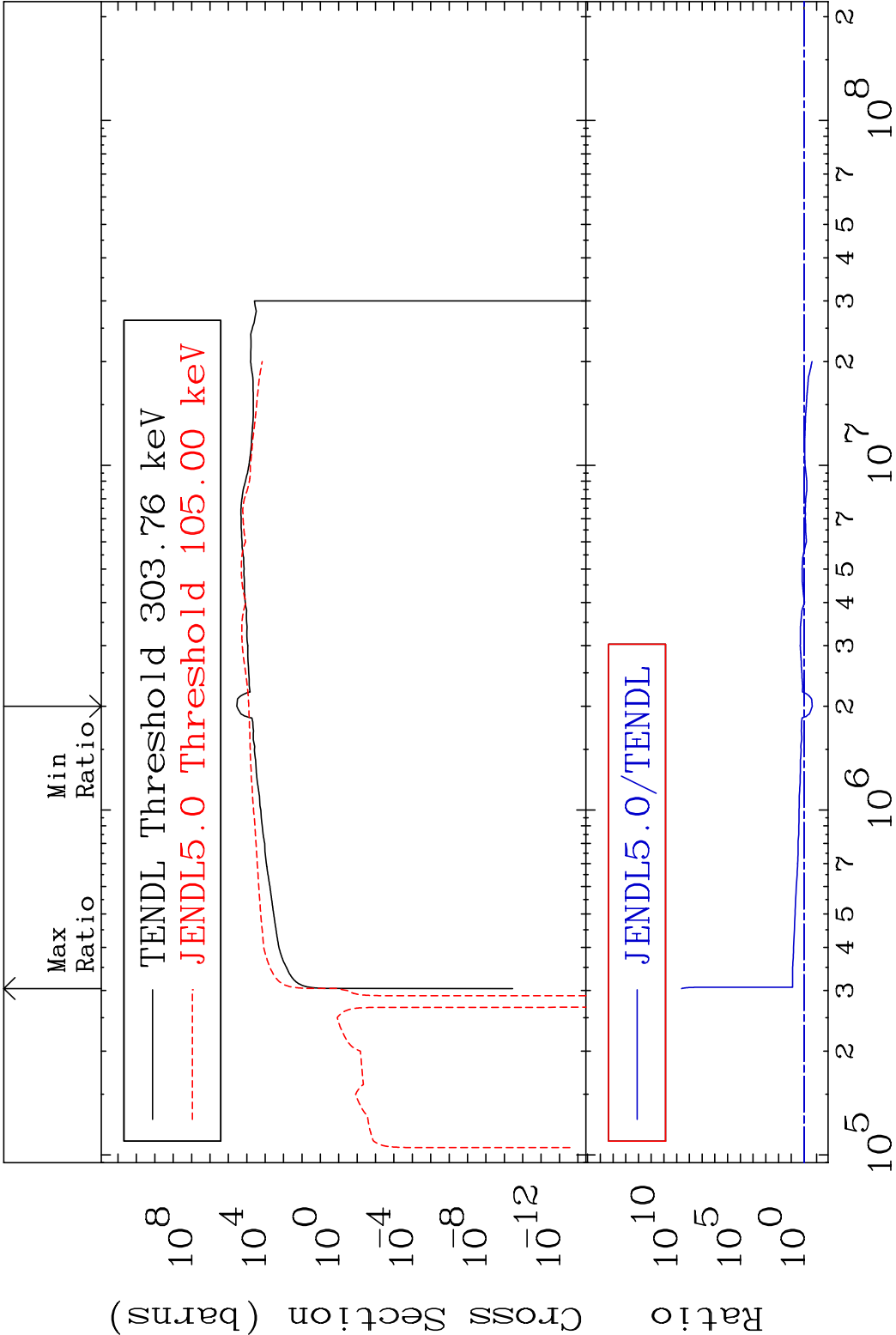
MAT 6043 Kerma elastic 60-Nd-148
Cross Section -99.63 To 9999. %



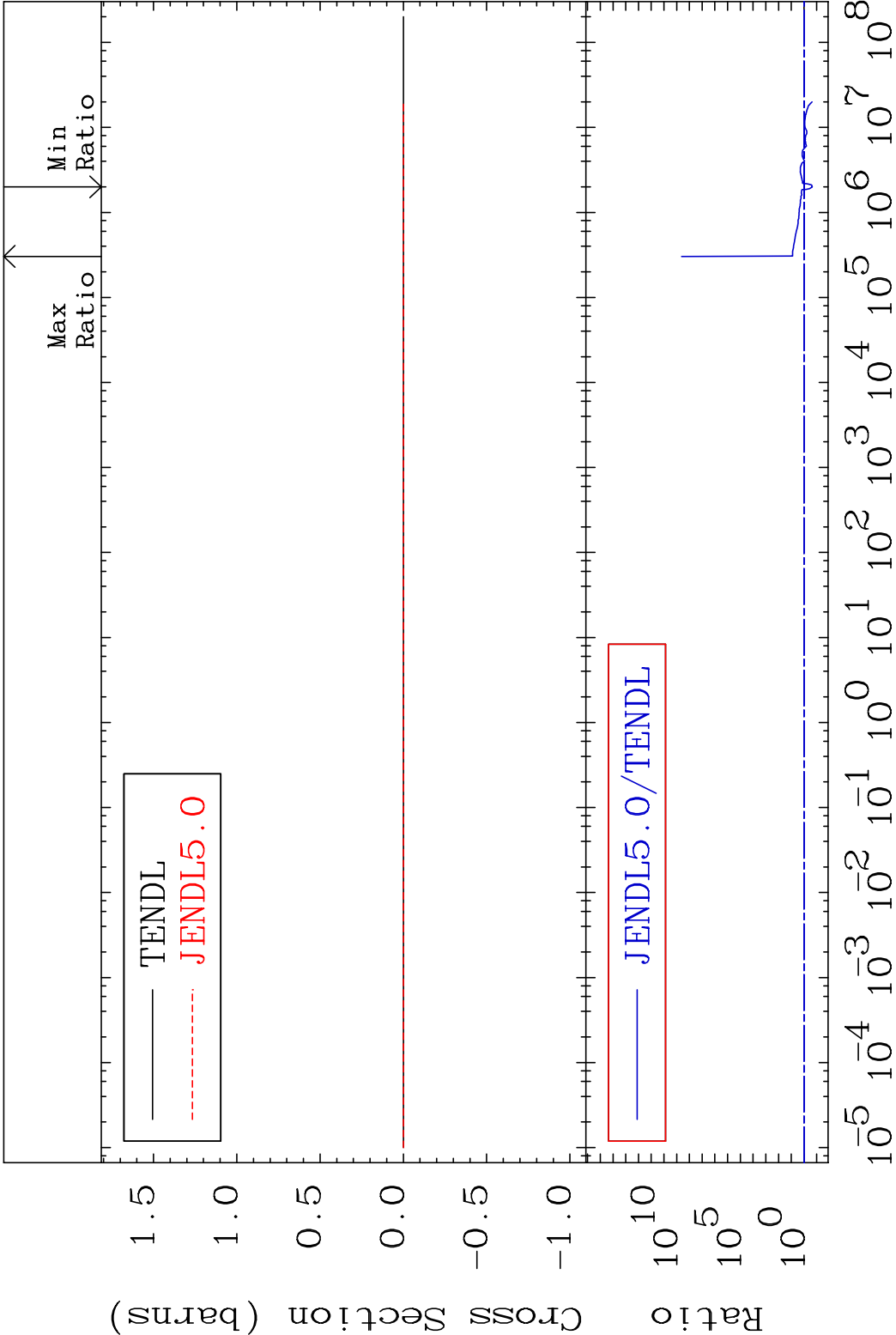
MAT 6043 Kerma non-elastic (all but mt2) 60-Nd-148
Cross Section -99.98 To 9999. %

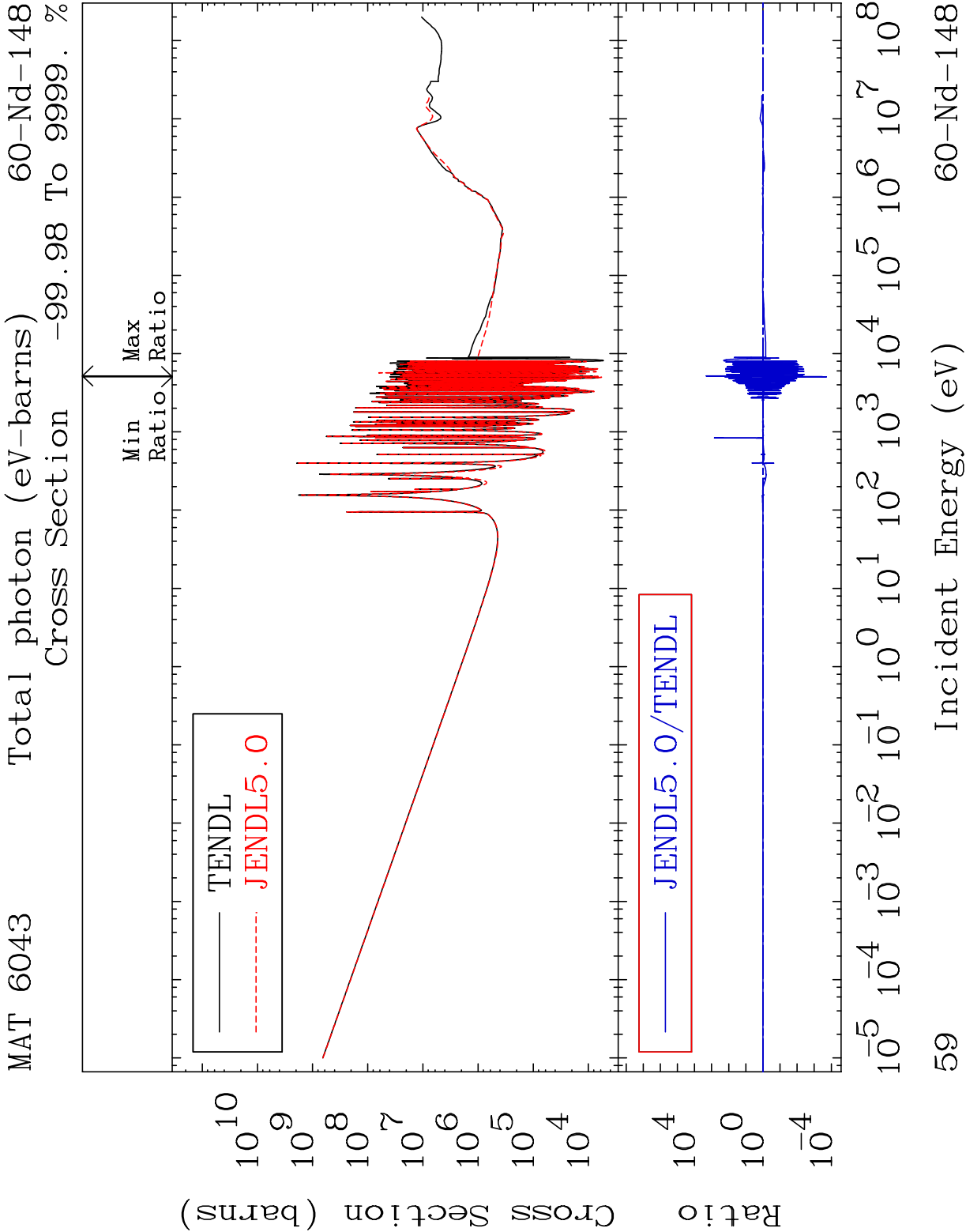


55 Incident Energy (eV) 60-Nd-148

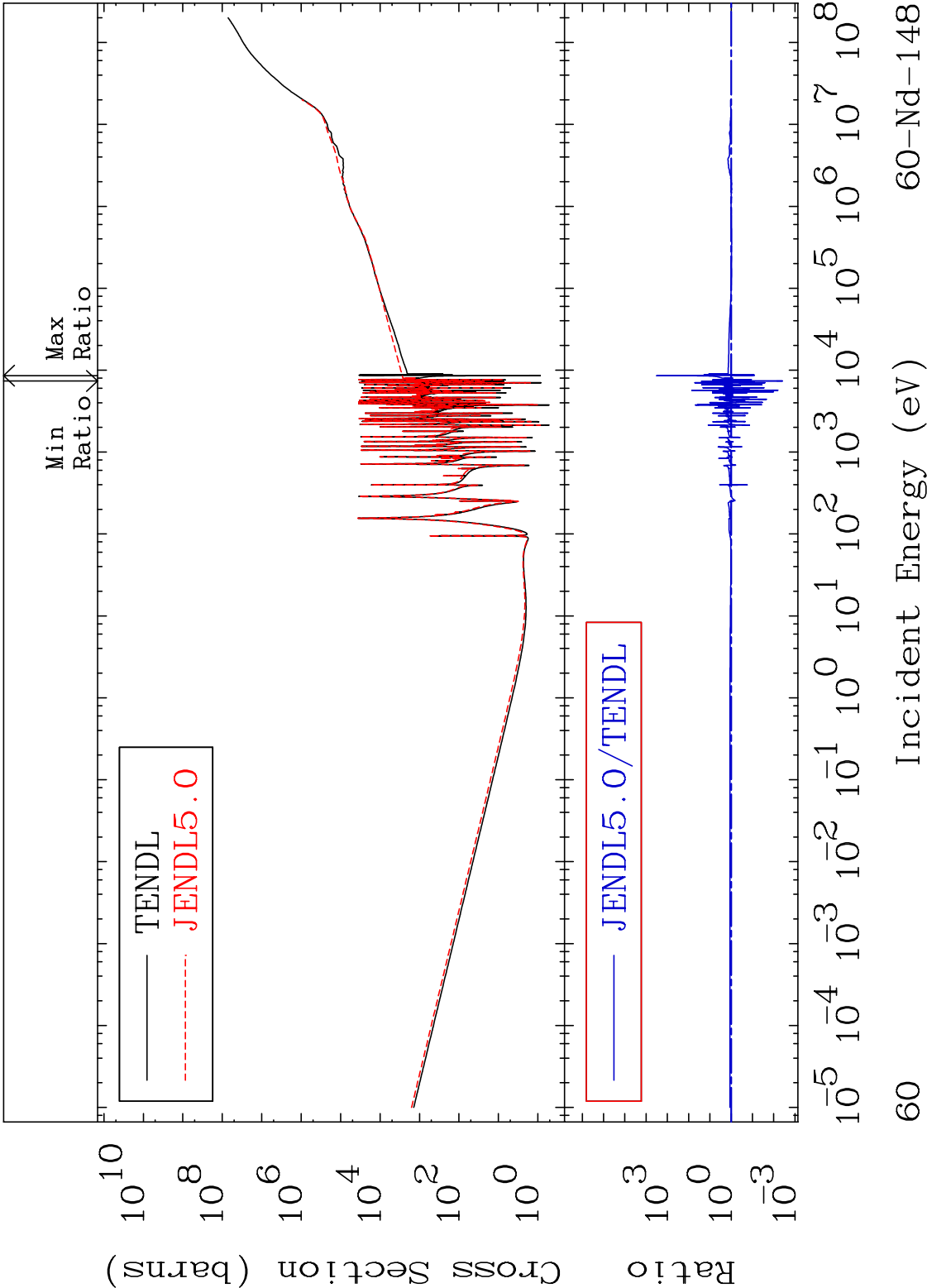


MAT 6043Kerma fission (mt18 or mt19-20-21-38)60-Nd-148
Cross Section -77.50 To 9999. %

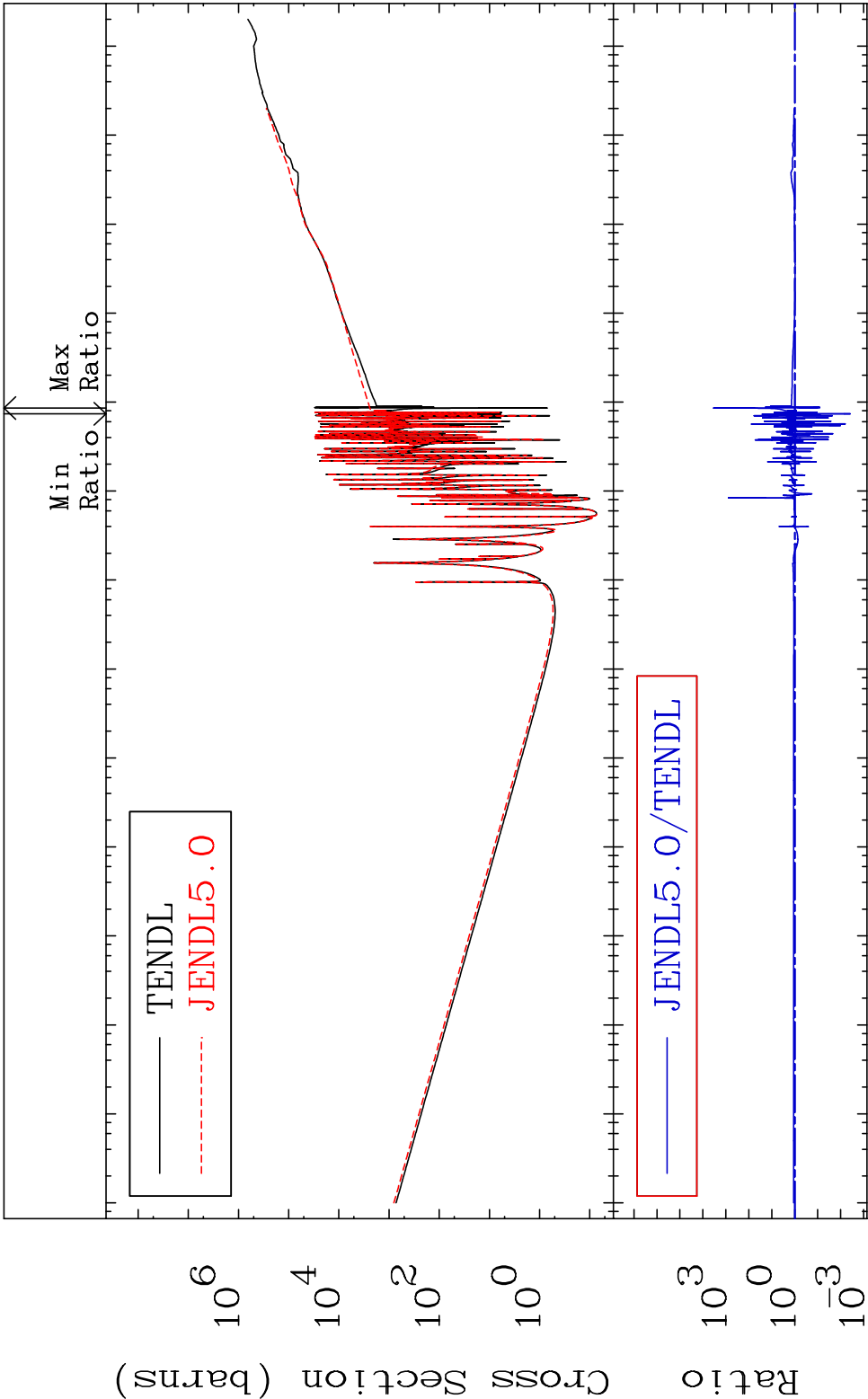




MAT 6043 Total kinematic kerma (high limit) 60-Nd-148
Cross Section -99.62 To 9999. %

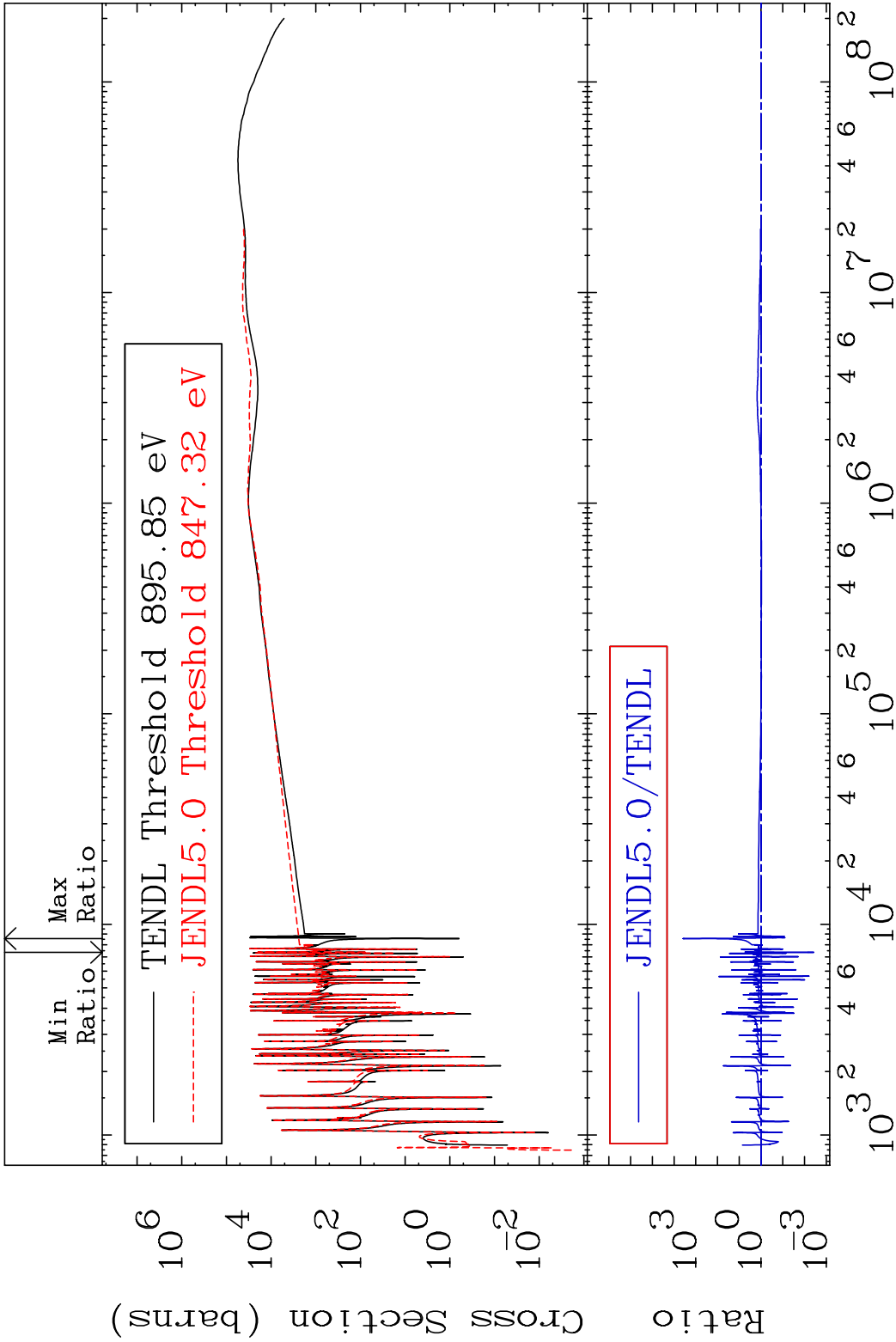


MAT 6043 Dpa total (eV-barns) 60-Nd-148
Cross Section -99.62 To 9999. %

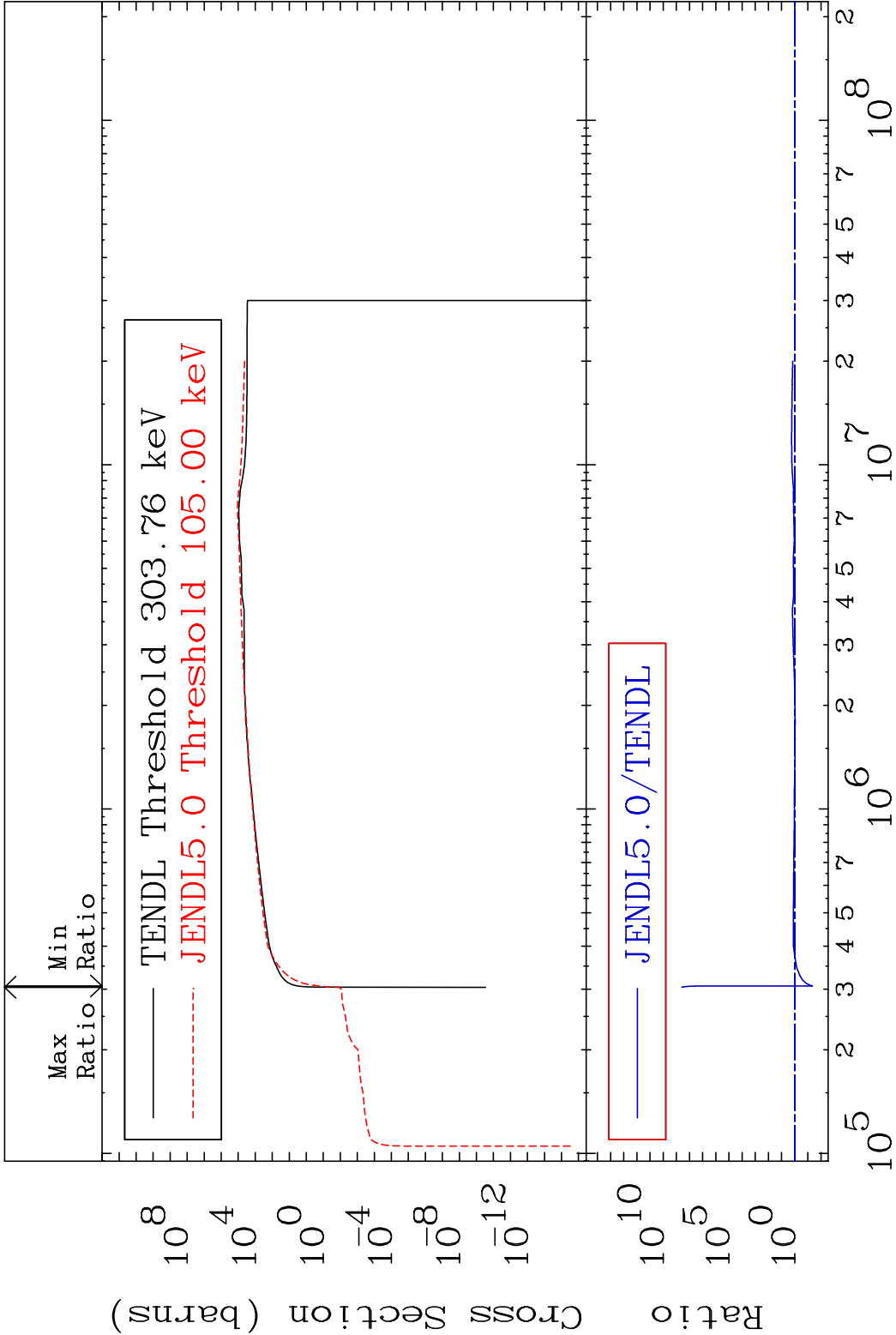


61 Incident Energy (eV) 60-Nd-148

MAT 6043	Dpa elastic (mt2)	60-Nd-148
	Cross Section	-99.63 To 9999. %

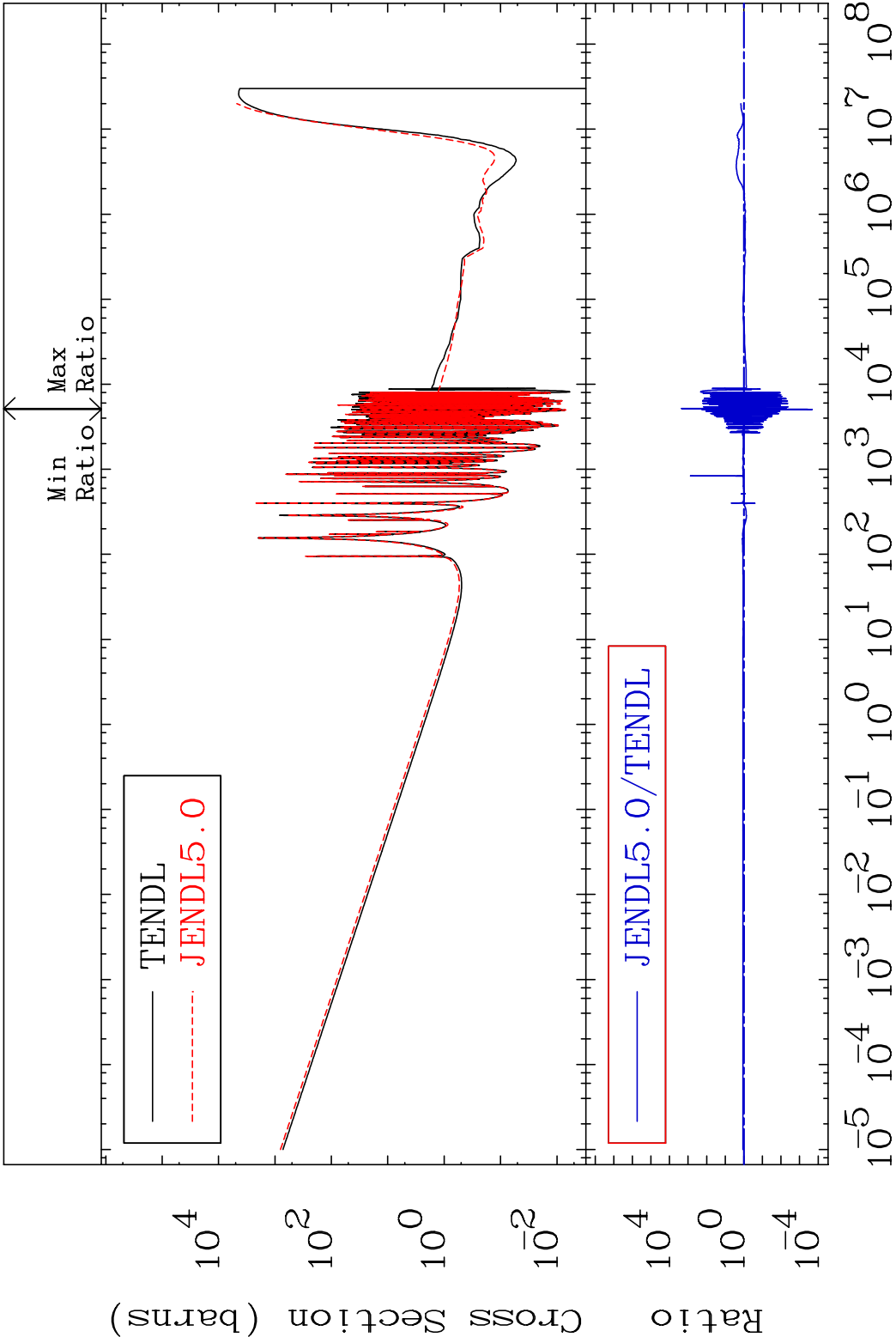


MAT 6043 Dpa inelastic (mt51-91) 60-Nd-148
Cross Section -95.46 To 9999. %

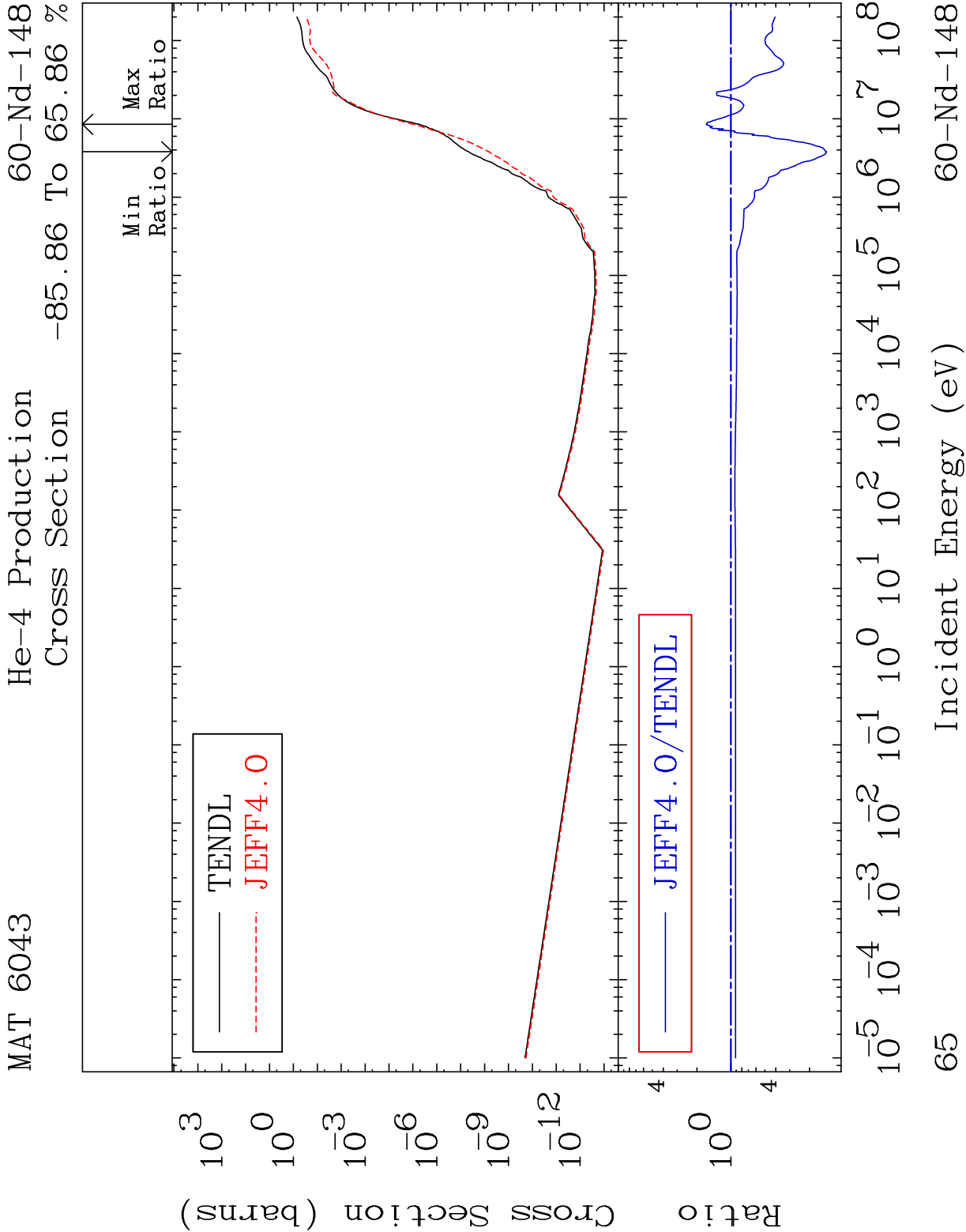


63 Incident Energy (eV) 60-Nd-148

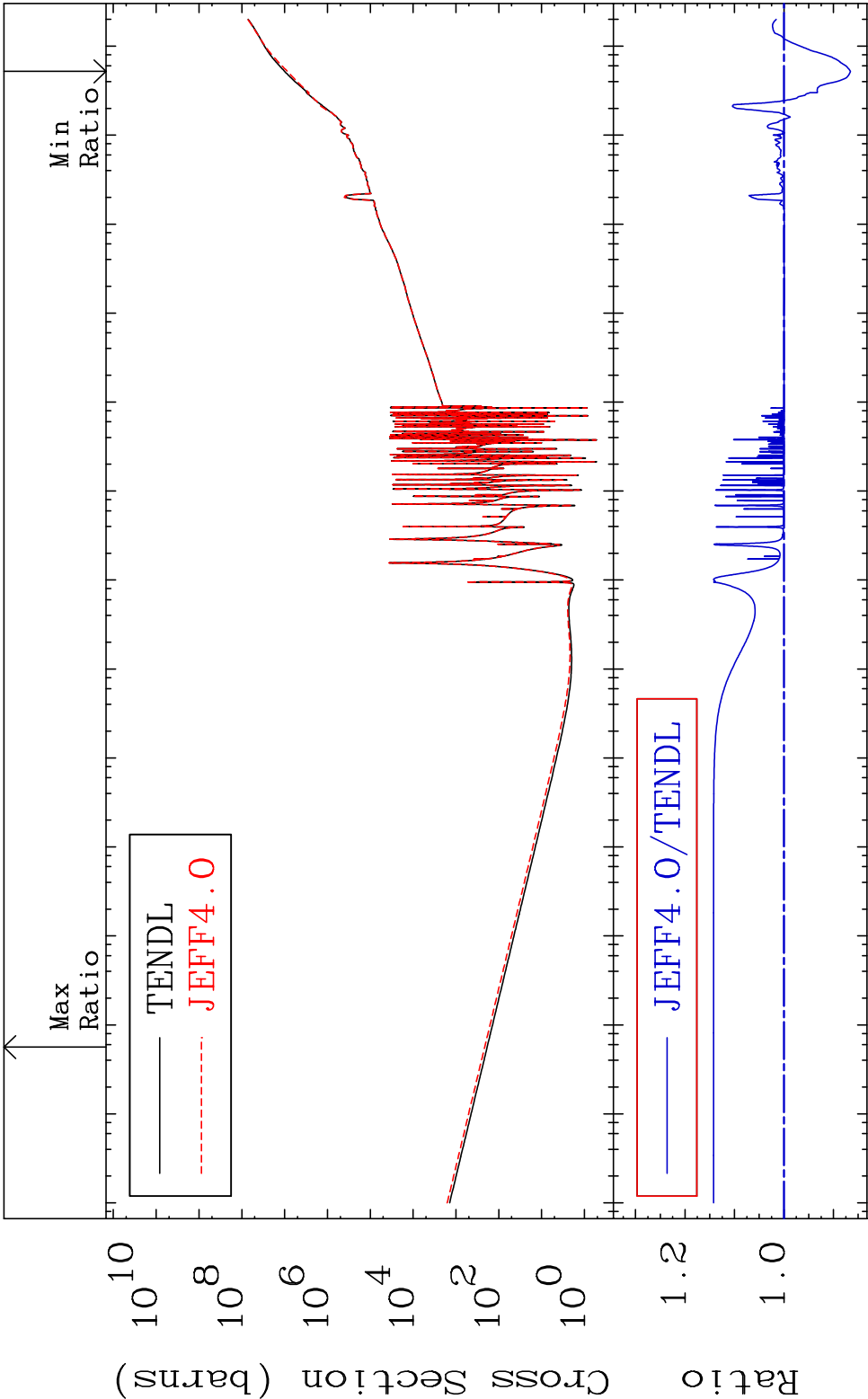
MAT 6043 Dpa disappearance (mt102 -120) 60-Nd-148
Cross Section -99.98 To 9999. %



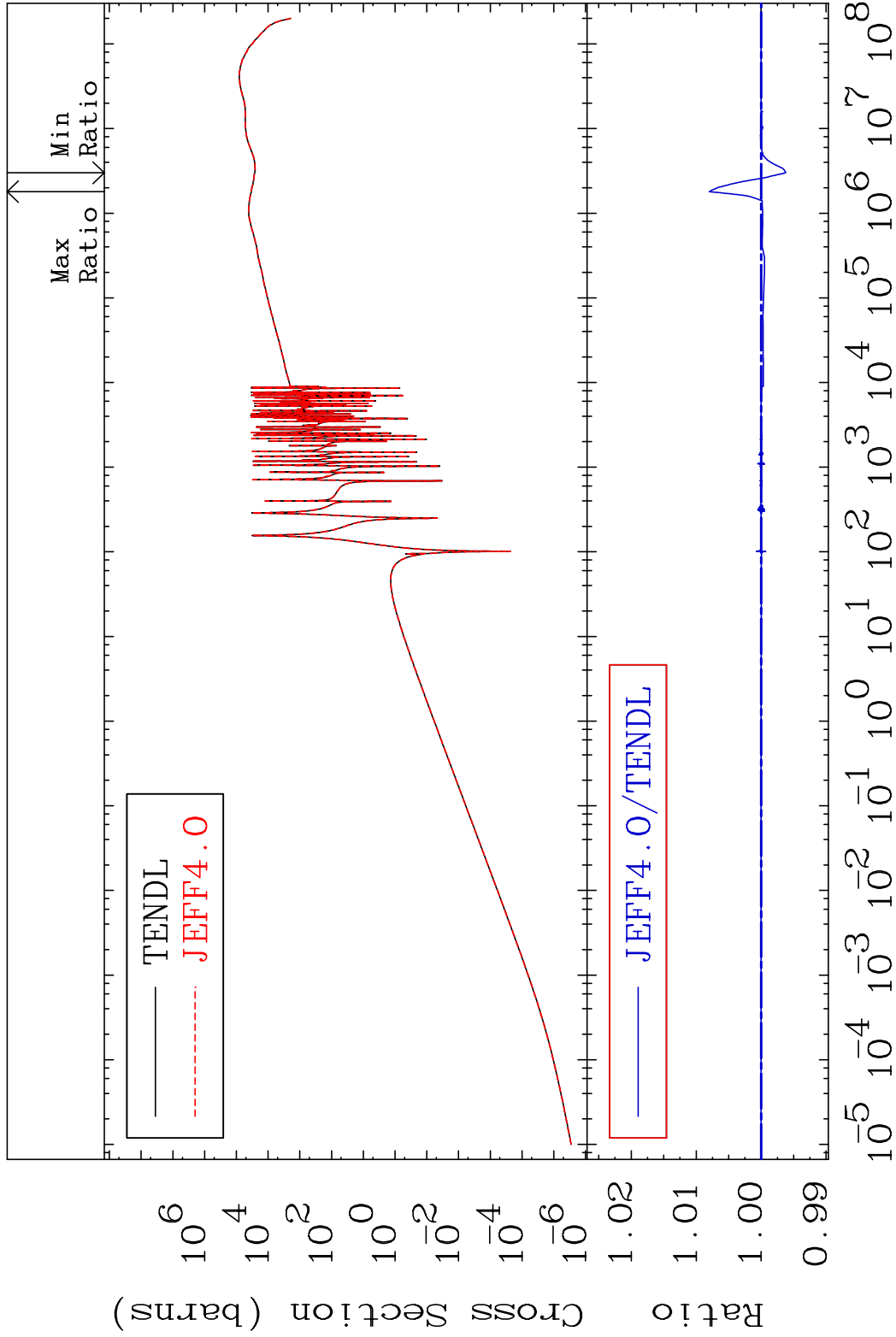
64 Incident Energy (eV) 60-Nd-148



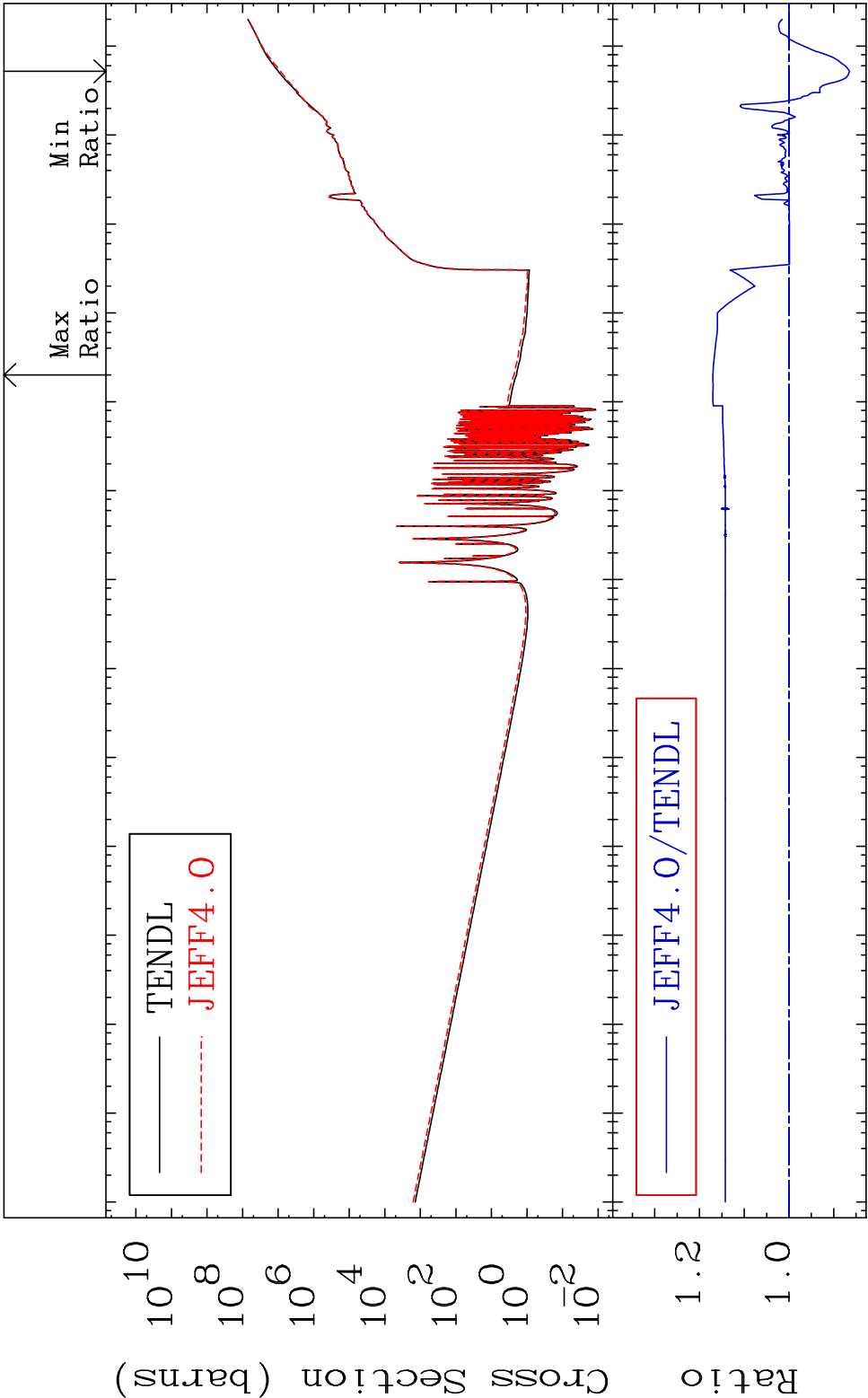
MAT 6043 Kerma total (eV-barns) 60-Nd-148
Cross Section -13.42 To 14.23 %



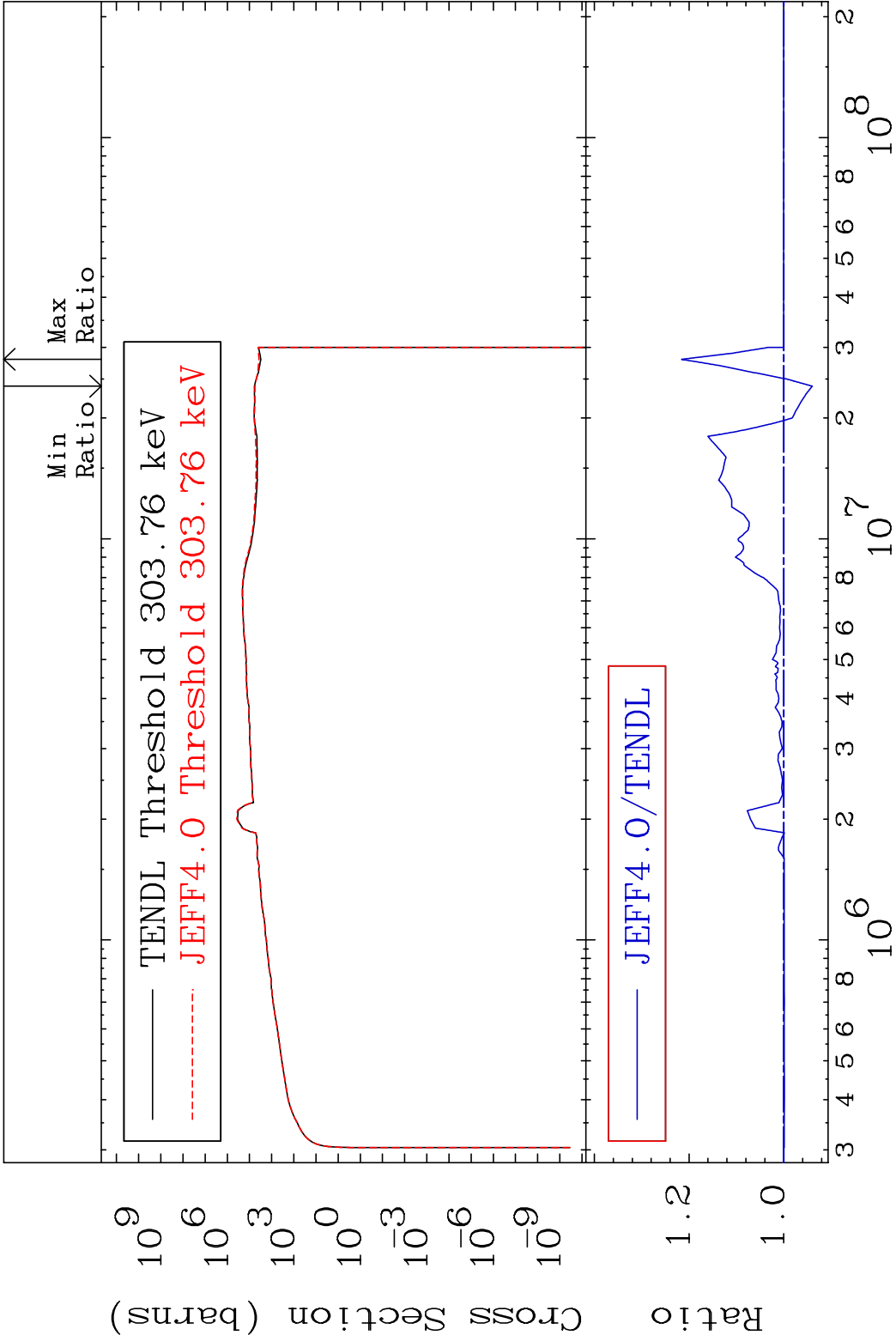
MAT 6043 Kerma elastic 60-Nd-148
Cross Section -0.376 To 0.798 %



MAT 6043 Kerma non-elastic (all but mt2) 60-Nd-148
 Cross Section -13.52 To 17.03 %

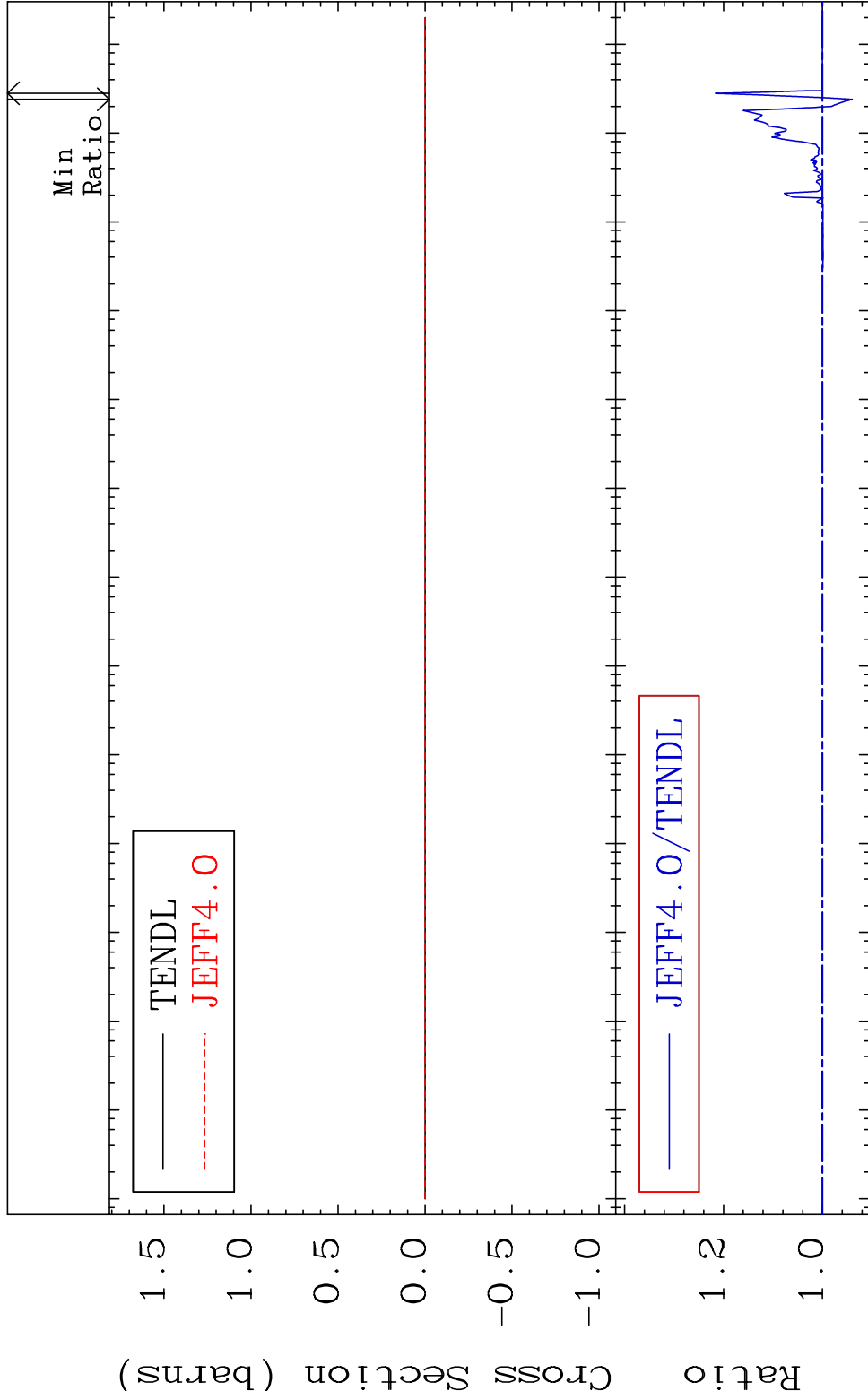


68 Incident Energy (eV) 60-Nd-148



MAT 6043Kerma fission (mt18 or mt19-20-21-38)60-Nd-148

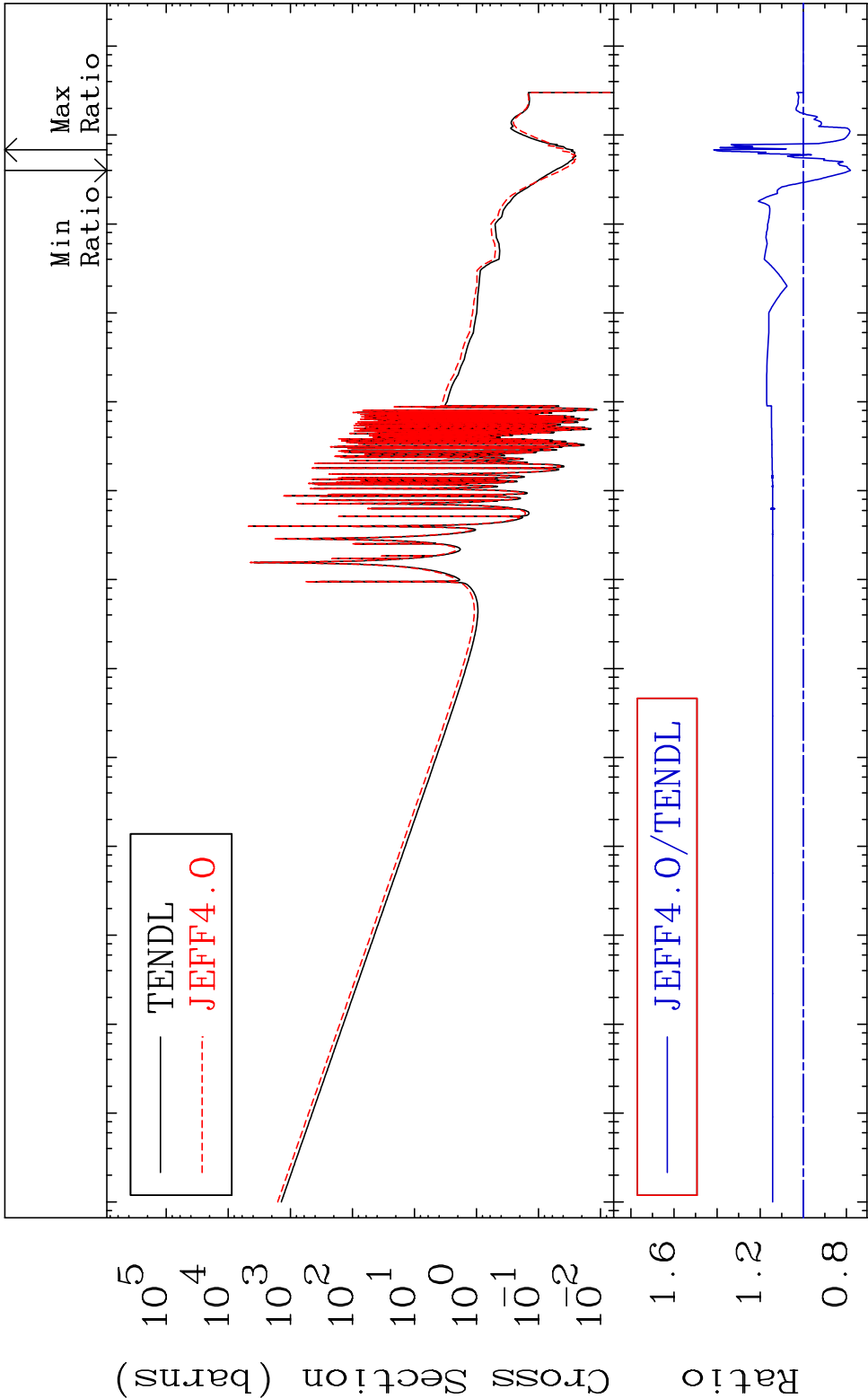
Cross Section -6.011 To 21.59 %



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

70 Incident Energy (eV) 60-Nd-148

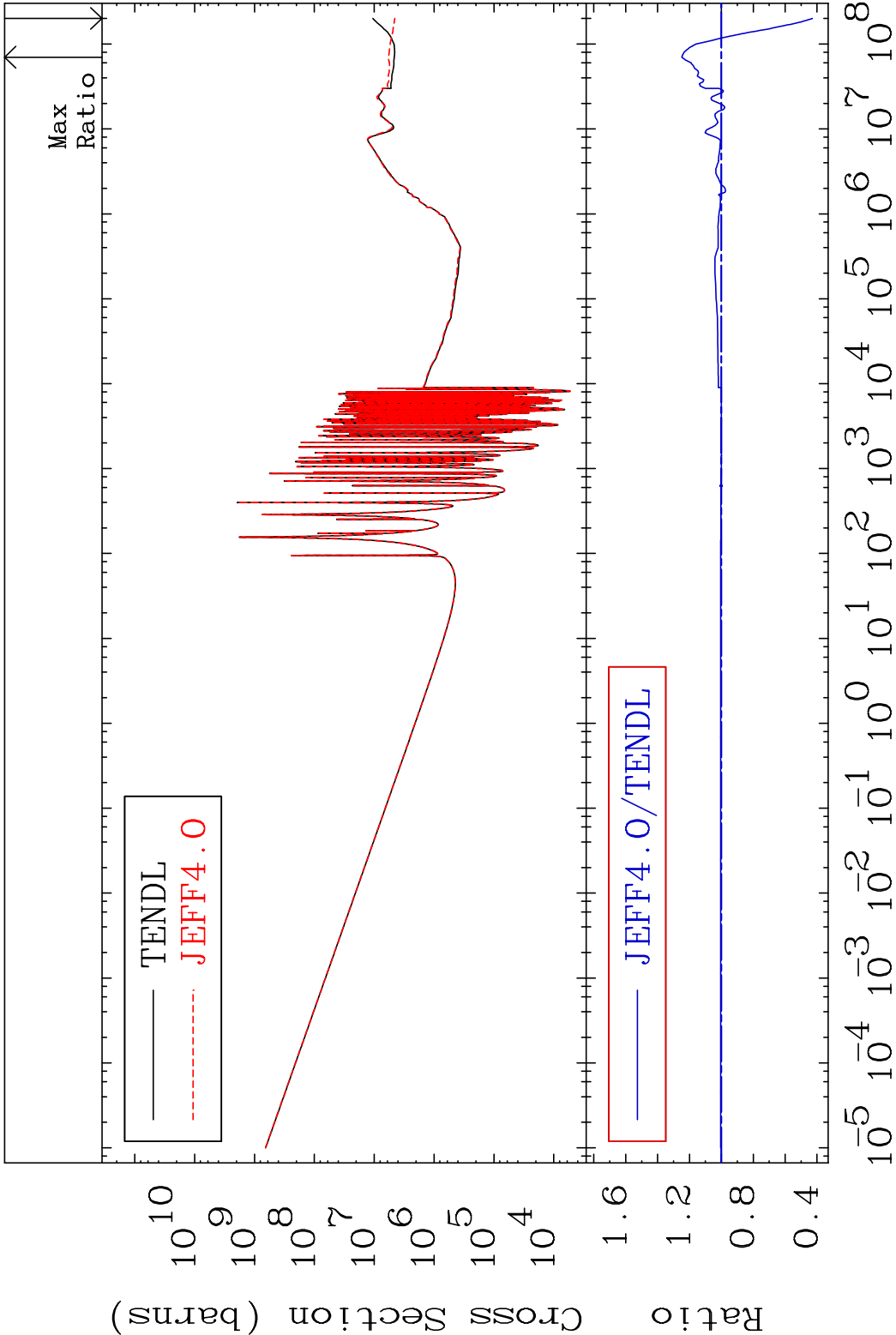
MAT 6043 Kerma capture (mt102) 60-Nd-148
Cross Section -21.85 To 41.61 %



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

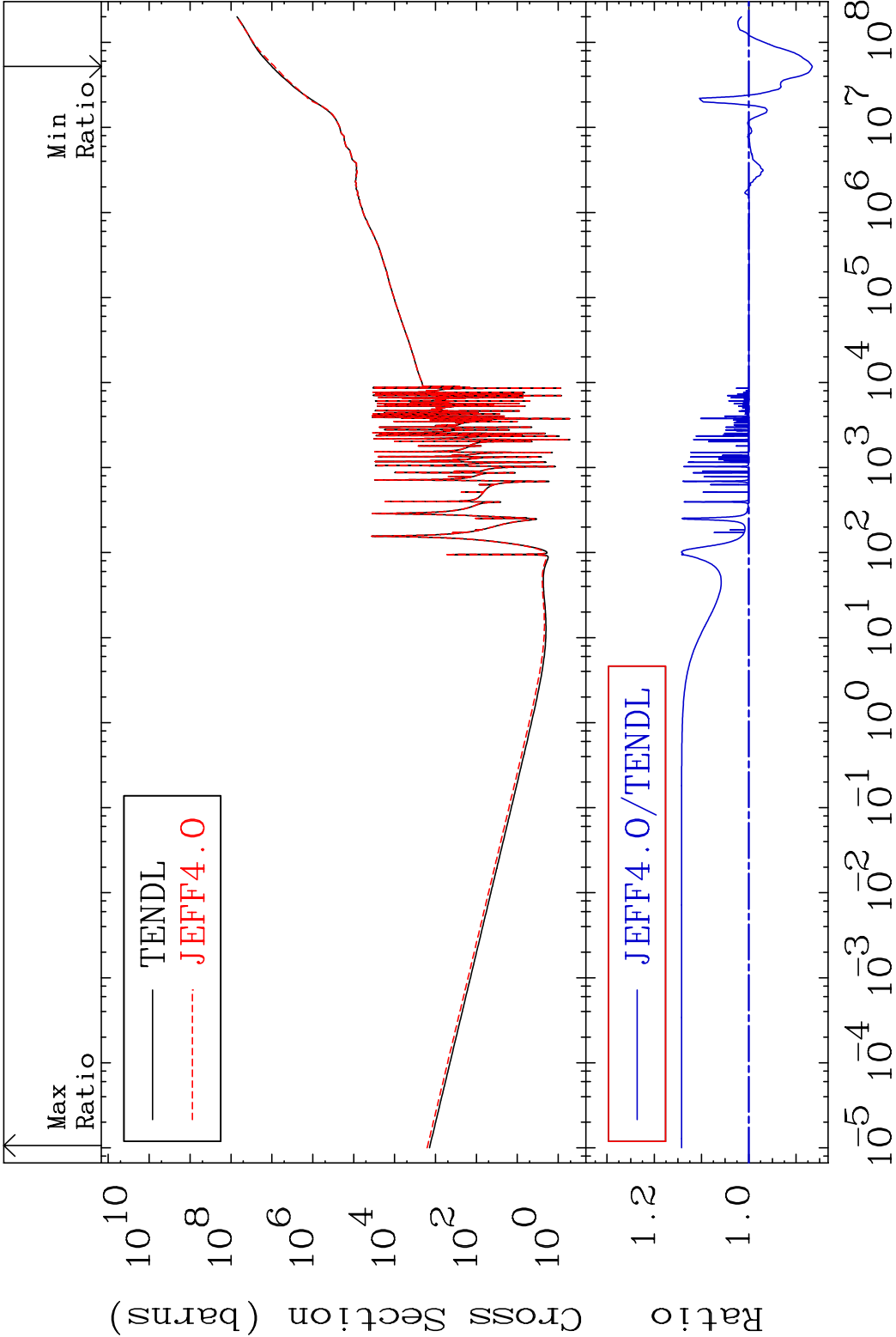
71 Incident Energy (eV) 60-Nd-148

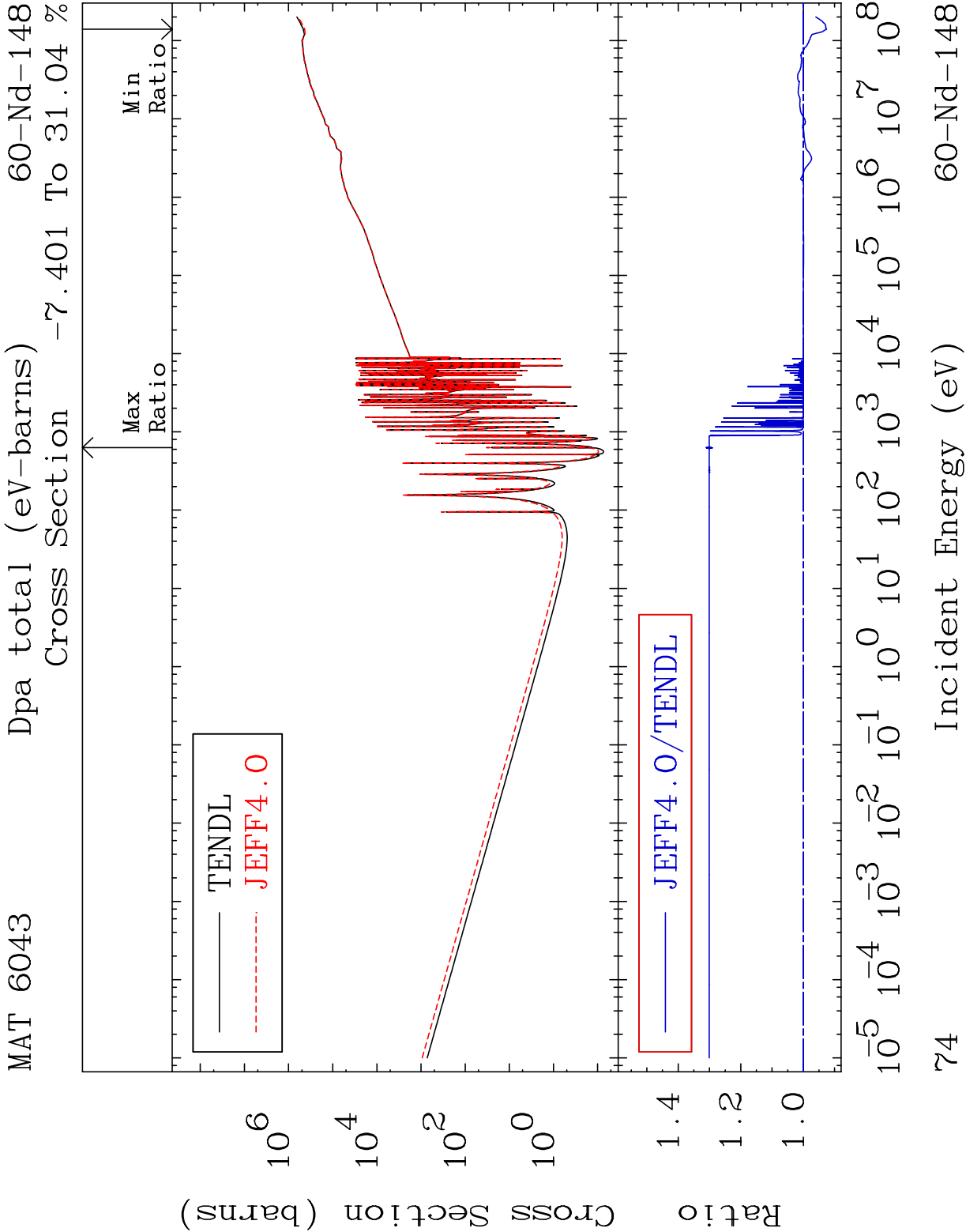
MAT 6043 Total photon (eV-barns) 60-Nd-148
Cross Section -57.04 To 24.85 %

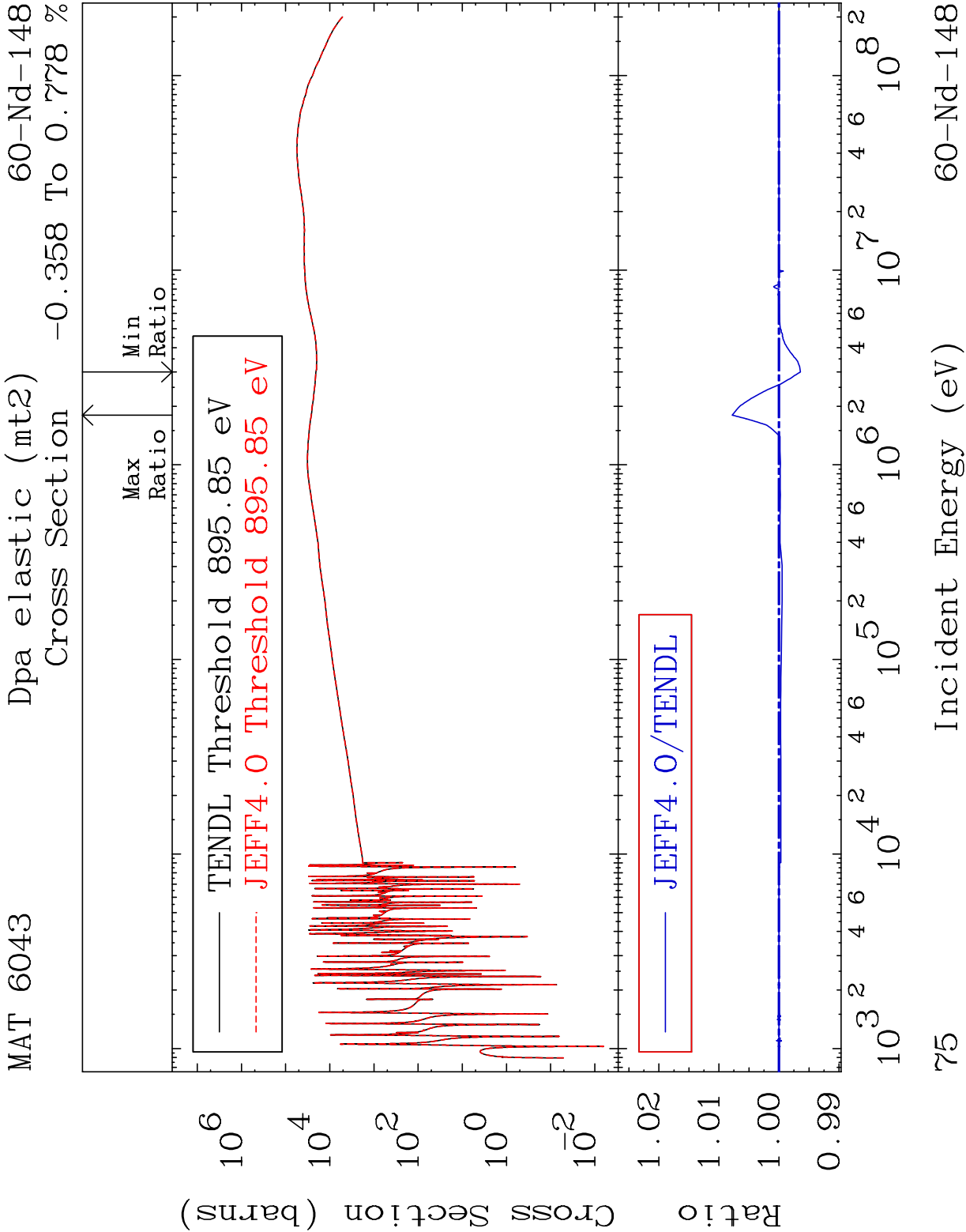


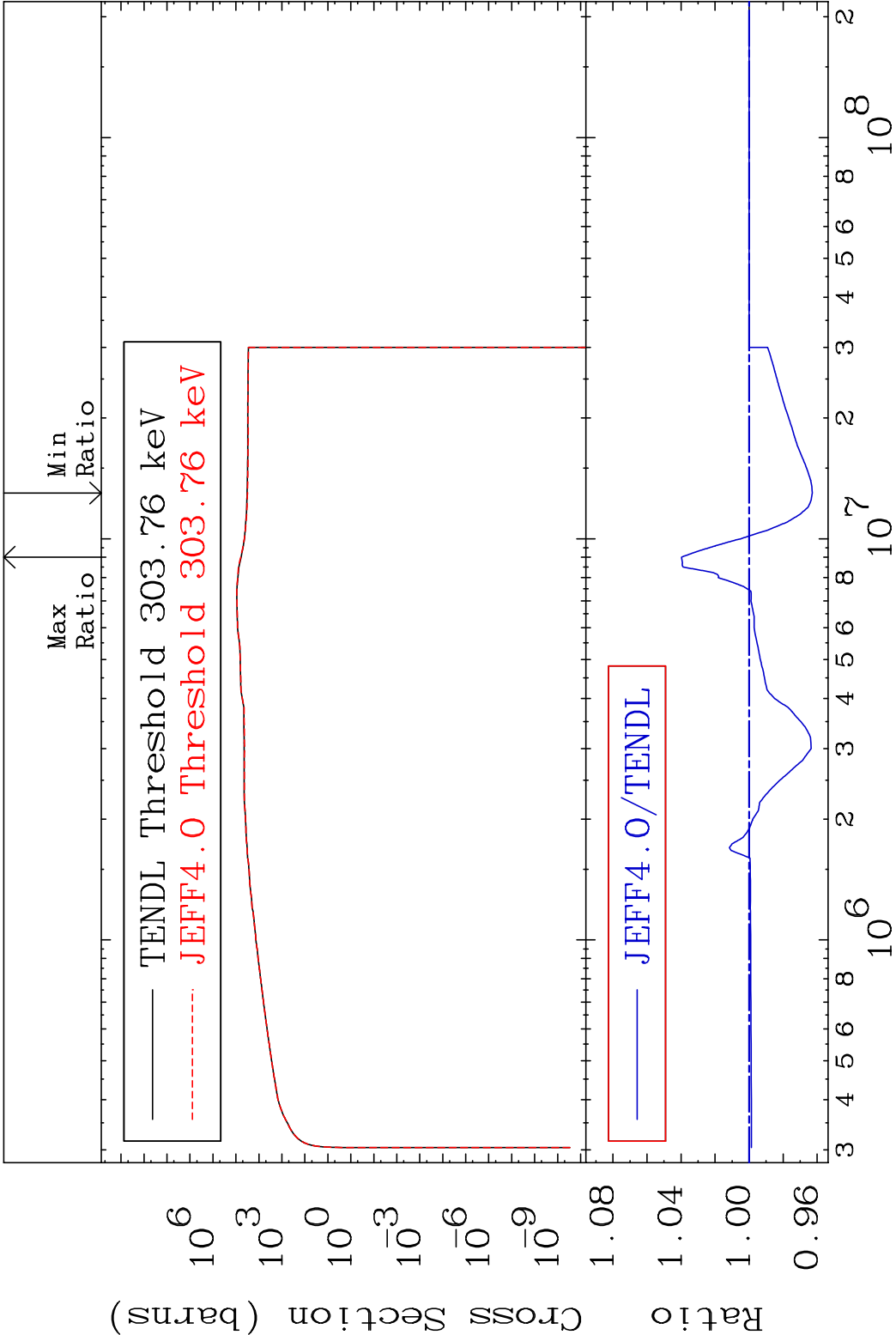
72 Incident Energy (eV) 60-Nd-148

MAT 6043 Total kinematic kerma (high limit) 60-Nd-148
Cross Section -13.42 To 14.23 %

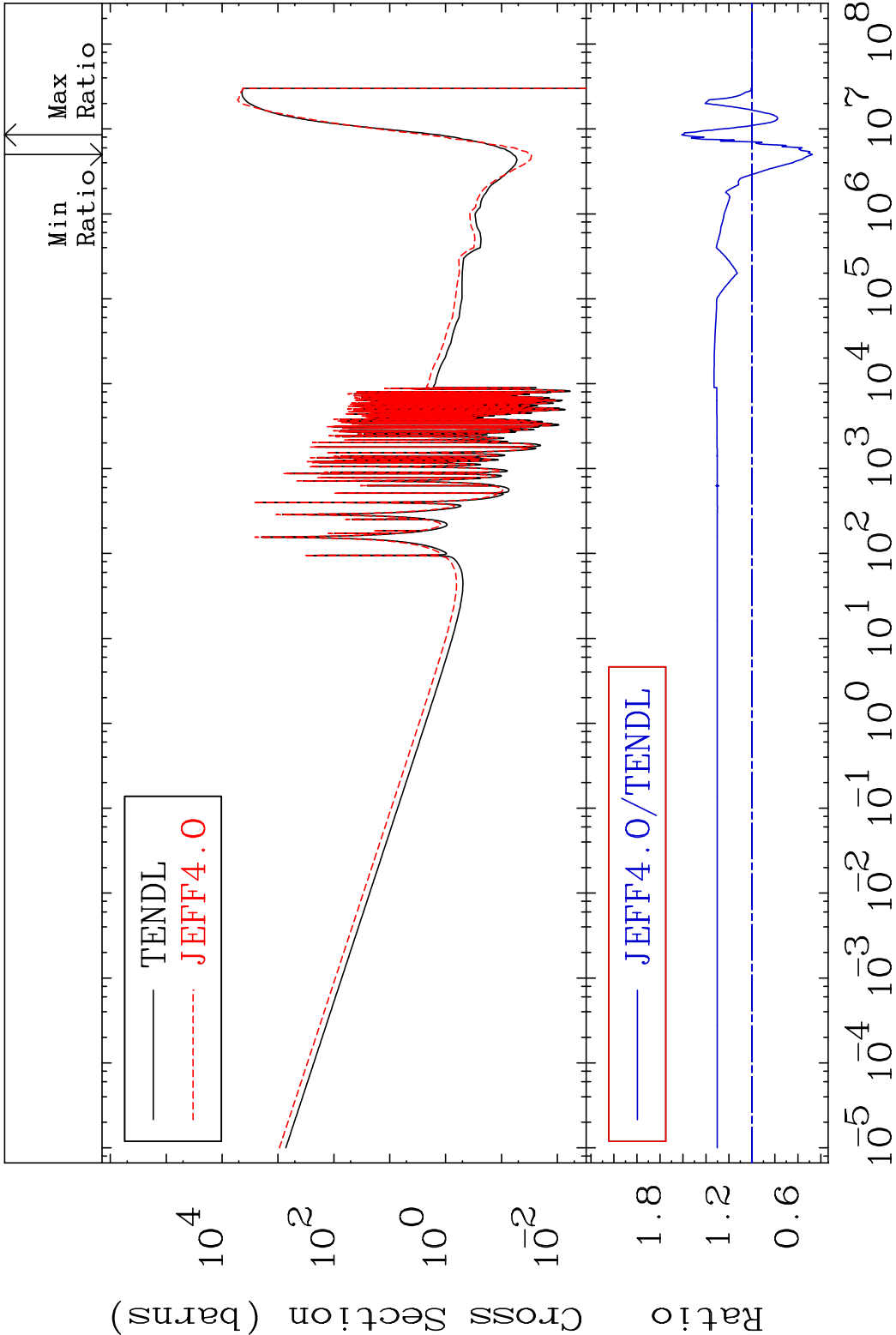








MAT 6043 Dpa disappearance (mt102 -120) 60-Nd-148
Cross Section -52.57 To 61.03 %



77 Incident Energy (eV) 60-Nd-148

