

Program Complot
(Version 2021-1)

by

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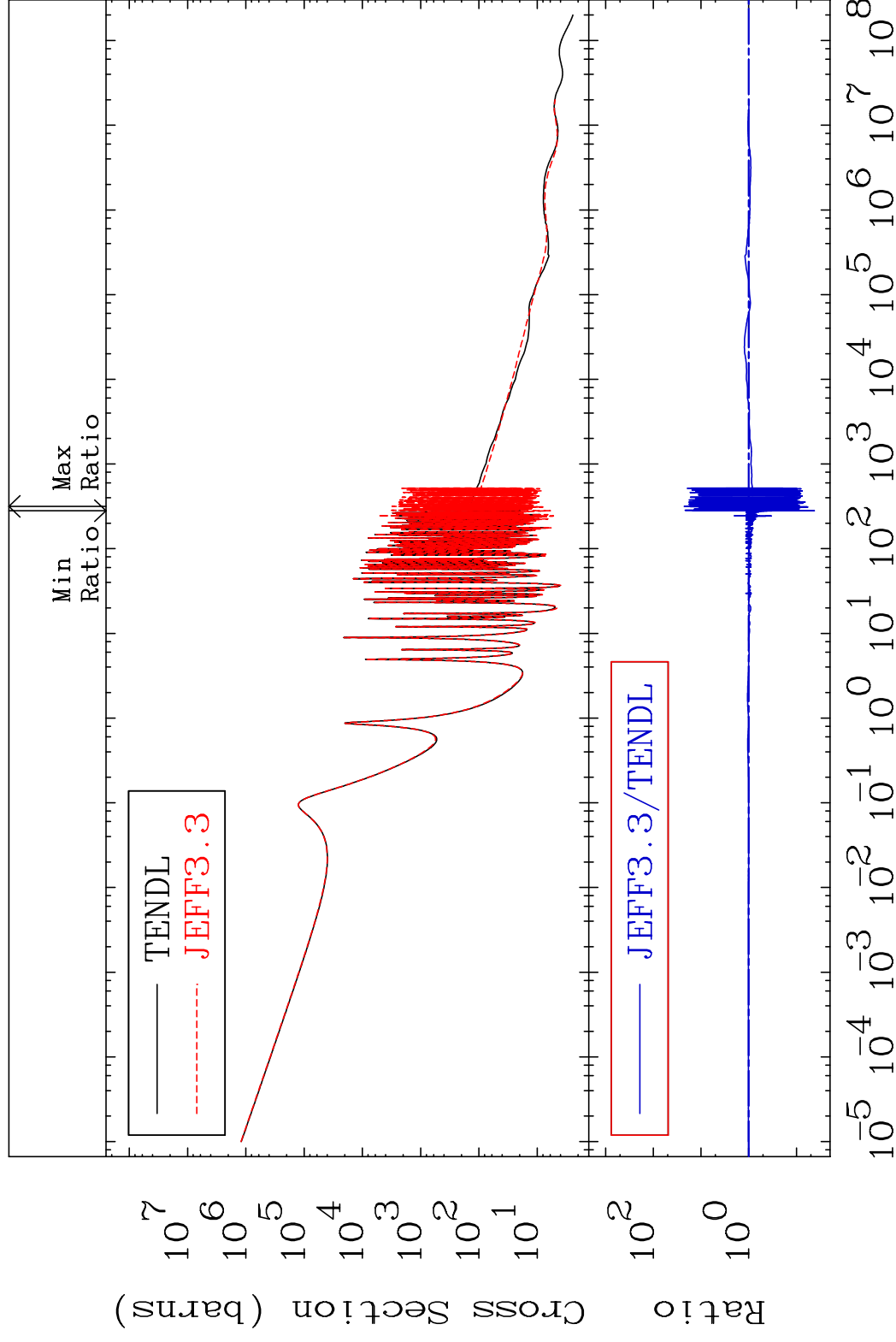
Press Mouse Button to Start

MAT 6240

Total

62-Sm-149

Cross Section -95.77 To 2165. %



1

Incident Energy (eV)

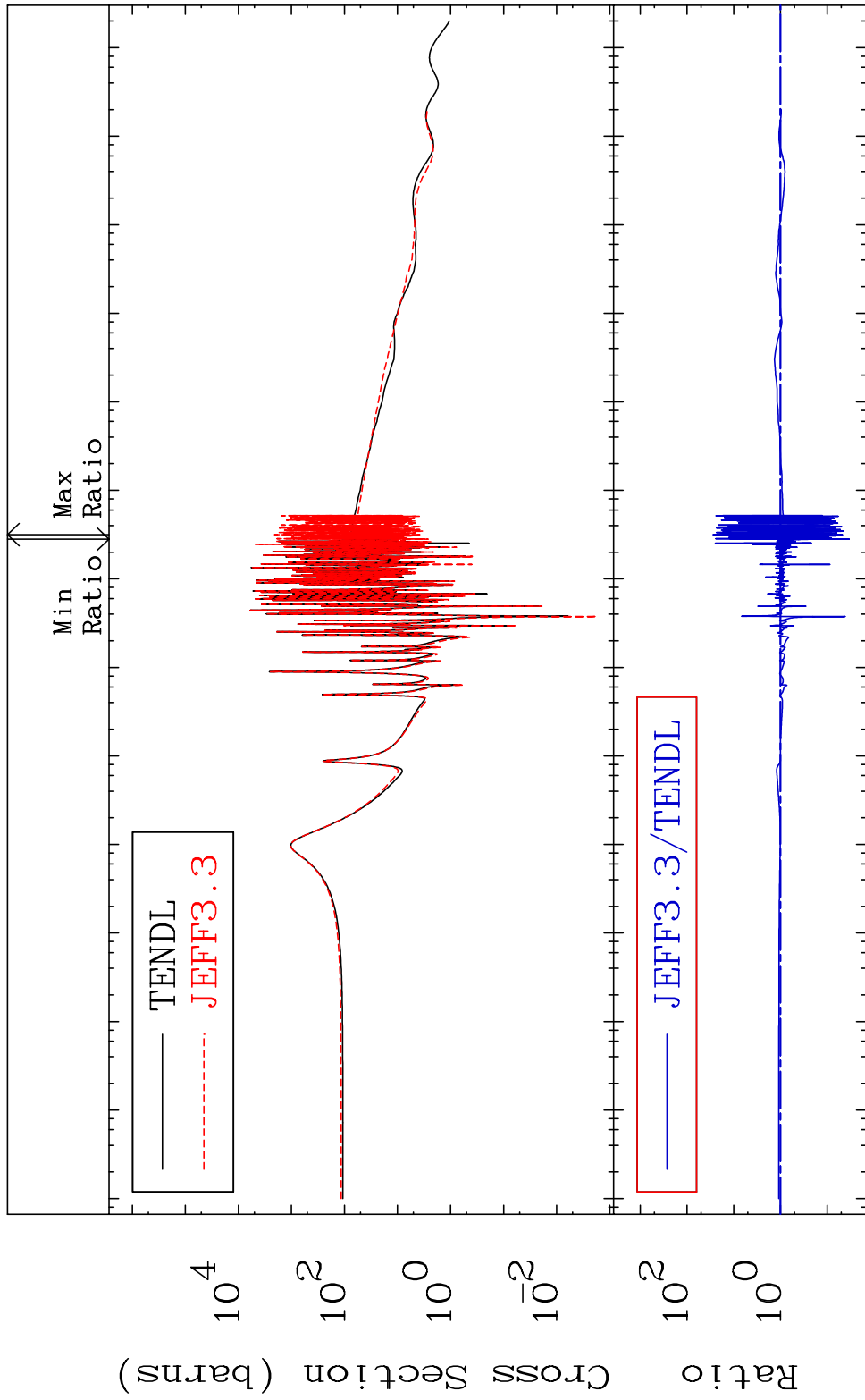
62-Sm-149

MAT 6240

Elastic

62-Sm-149

Cross Section -96.65 To 2638. %

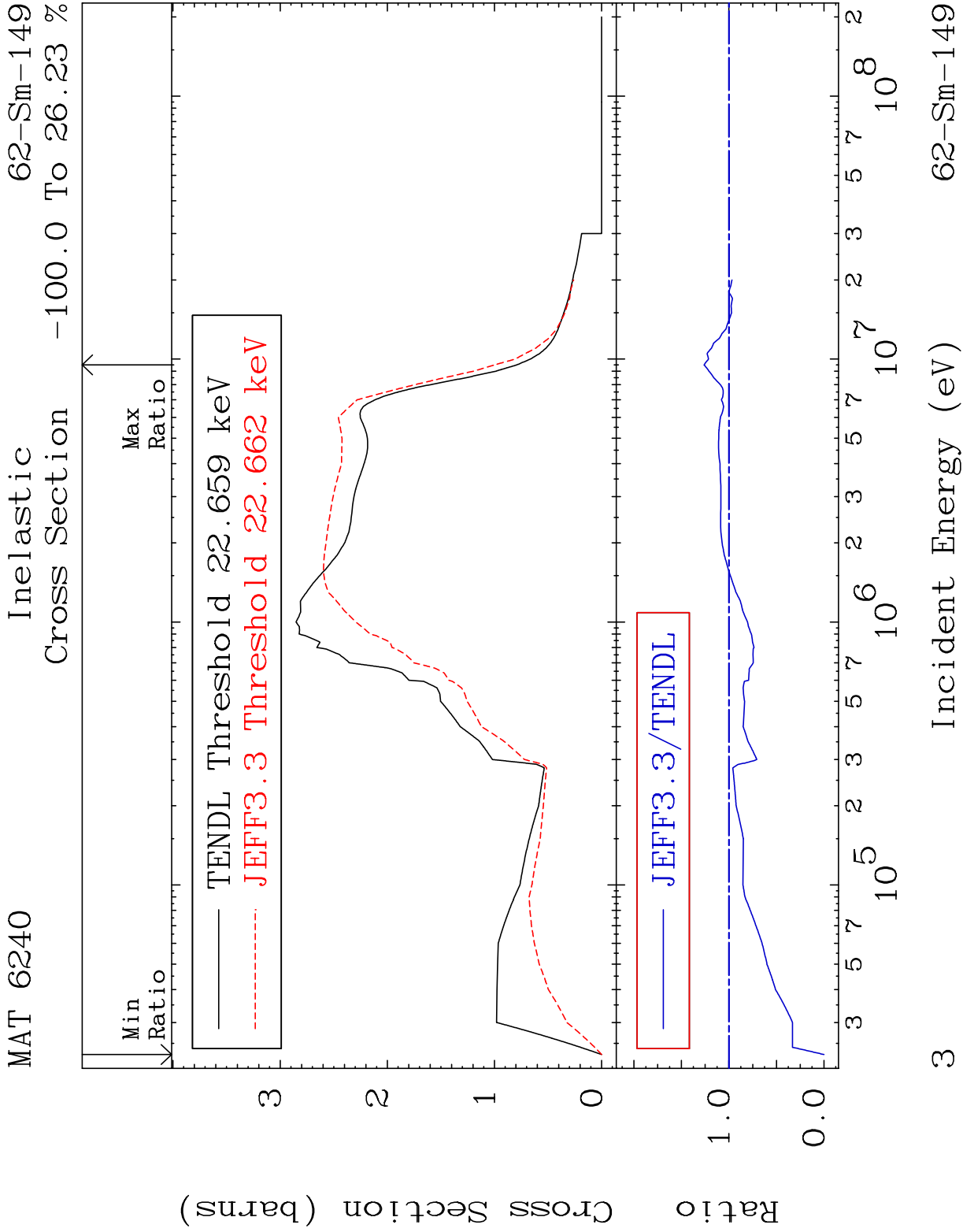


10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

2

Incident Energy (eV)

62-Sm-149

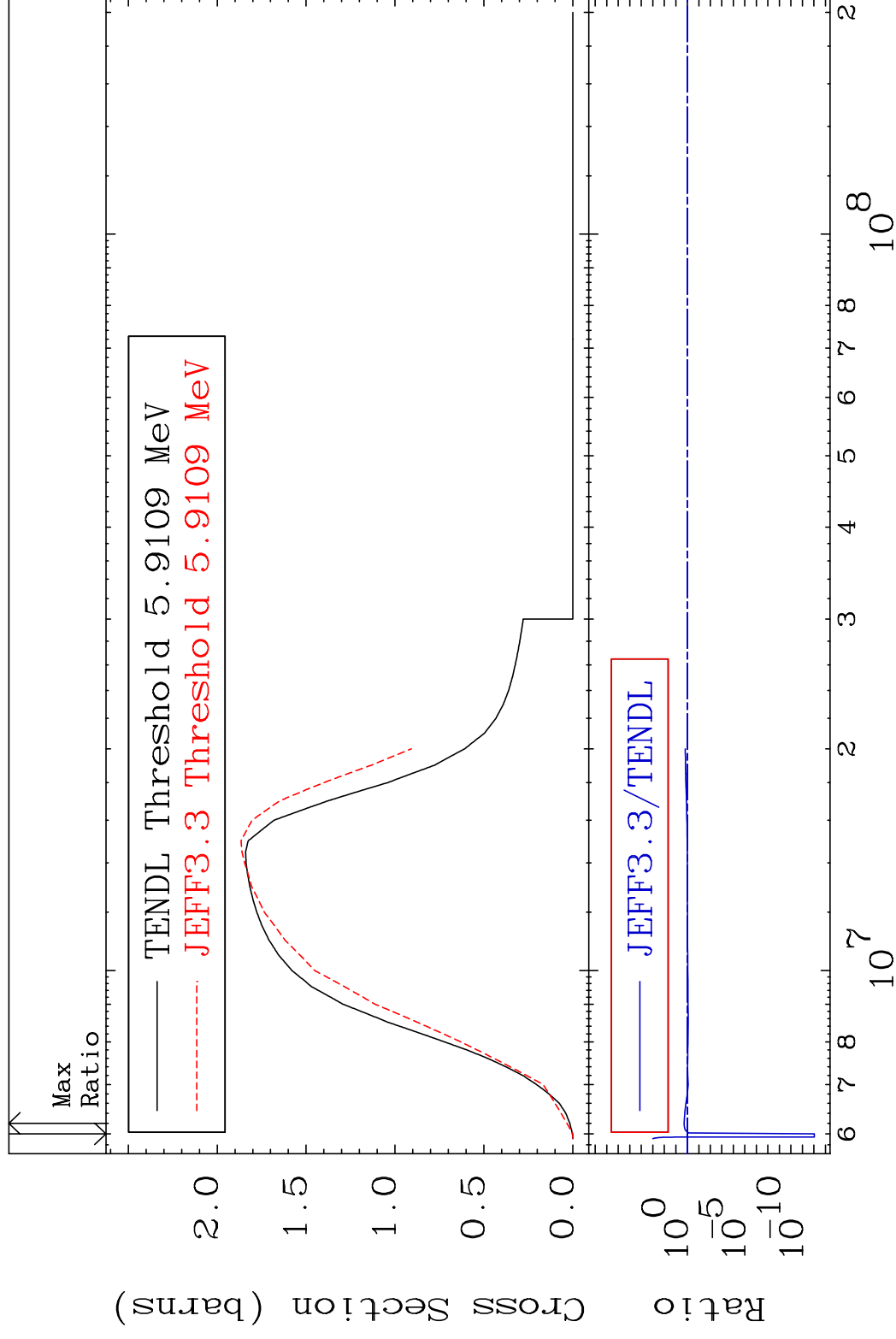


MAT 6240

$$(n, 2n)$$

62-Sm-149

Cross Section -100.0 To 91.03 %



TENDL Threshold 5.9109 MeV

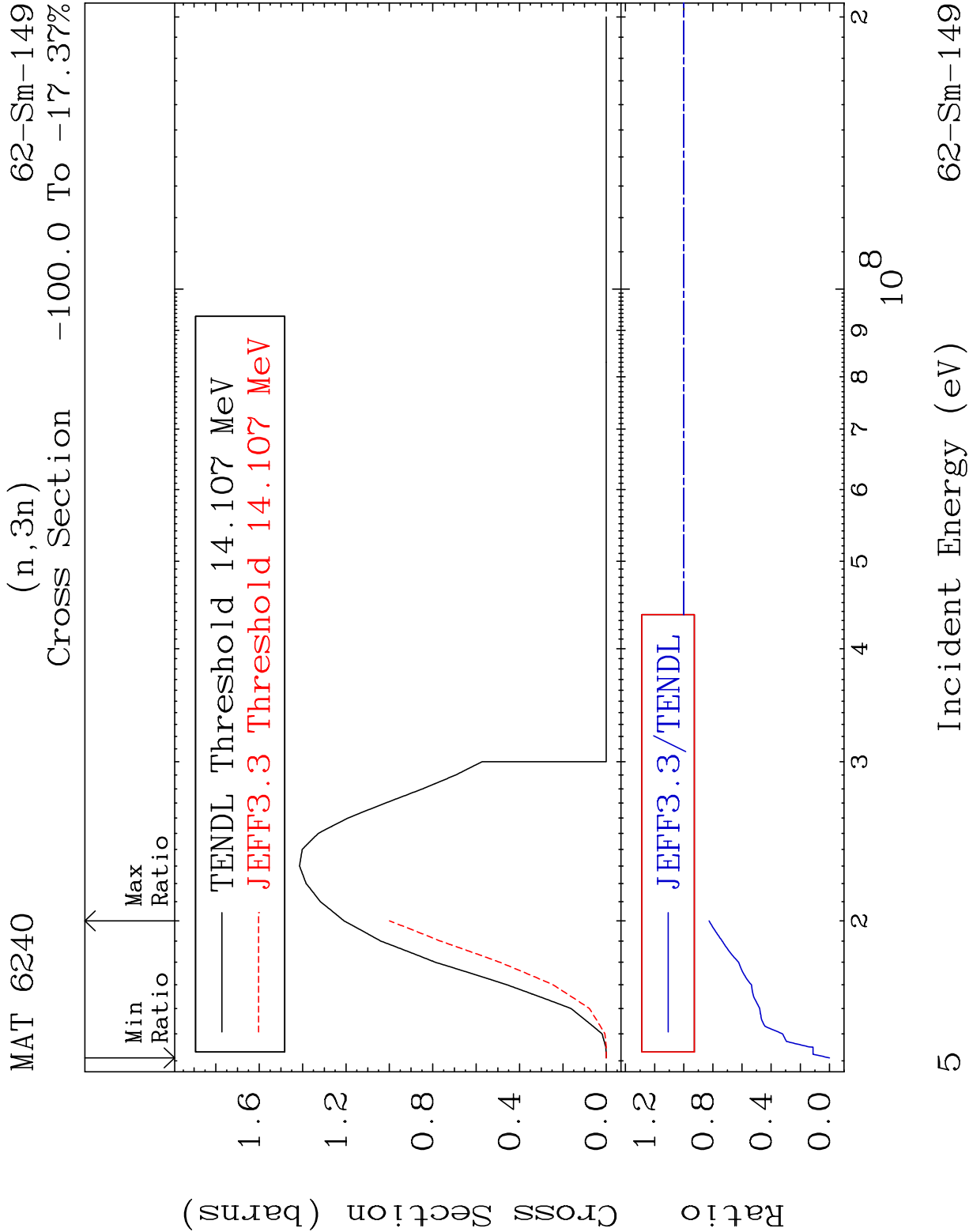
JEFF3.3 Threshold 5.9109 MeV

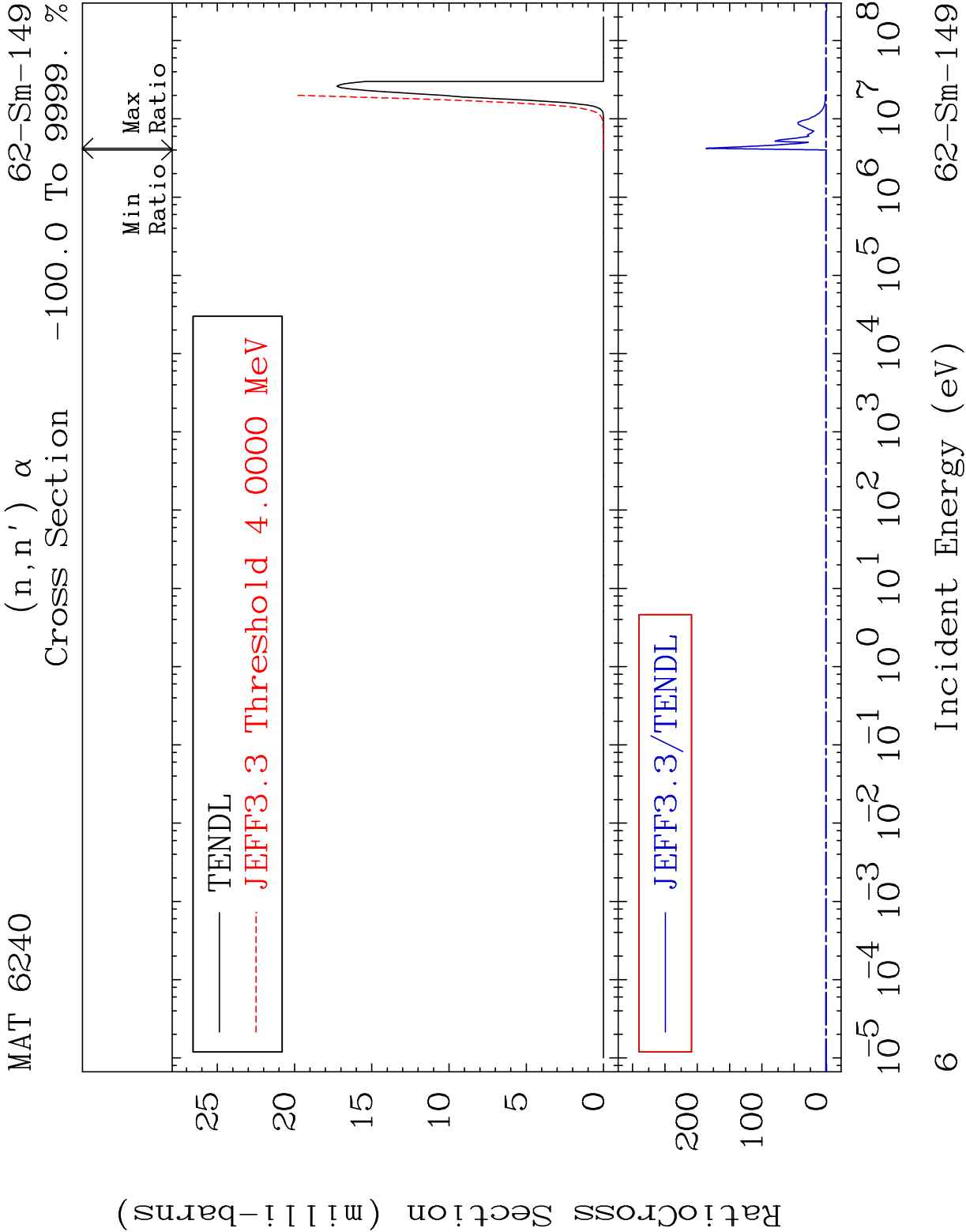
JEFF3.3/TENDL

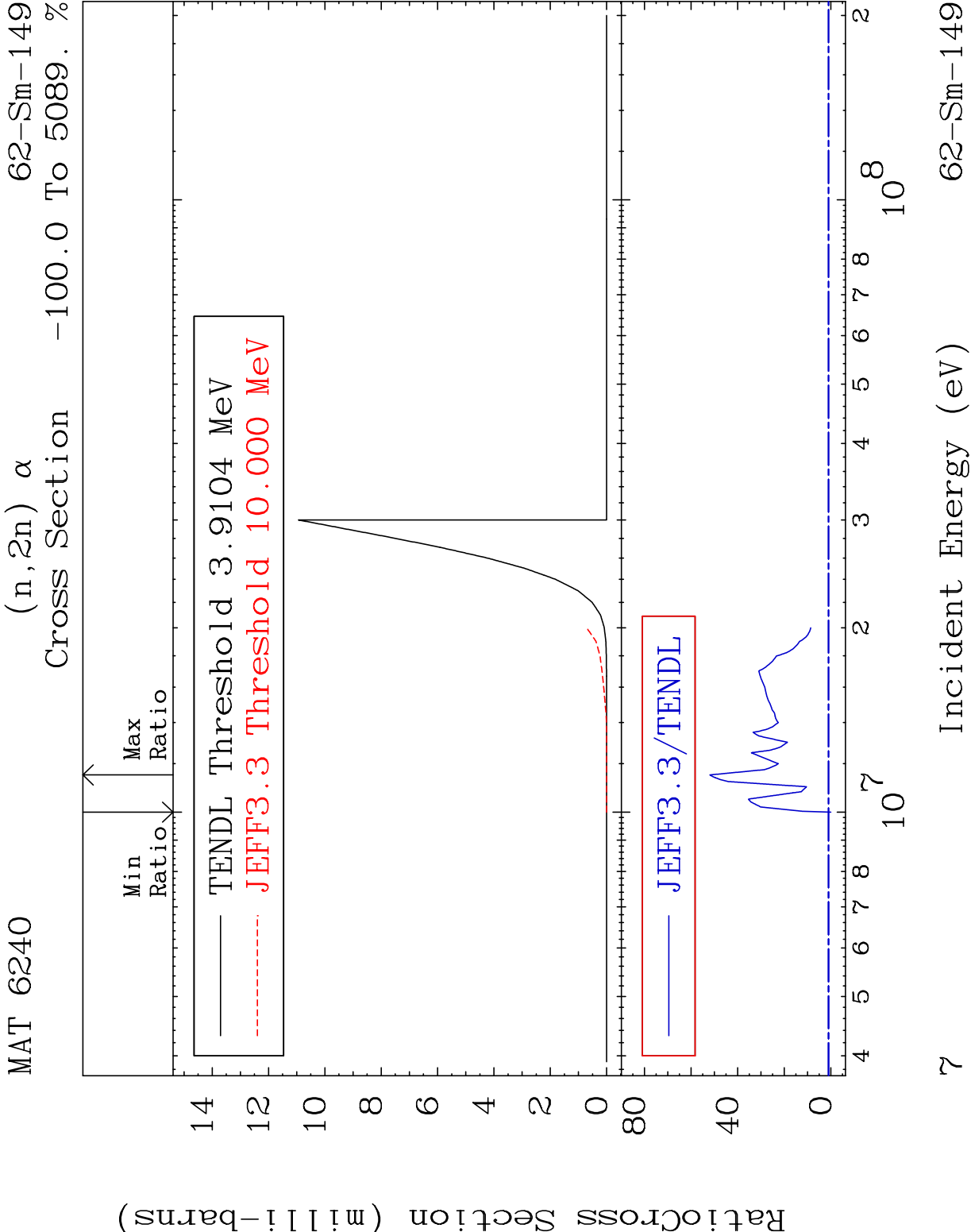
4

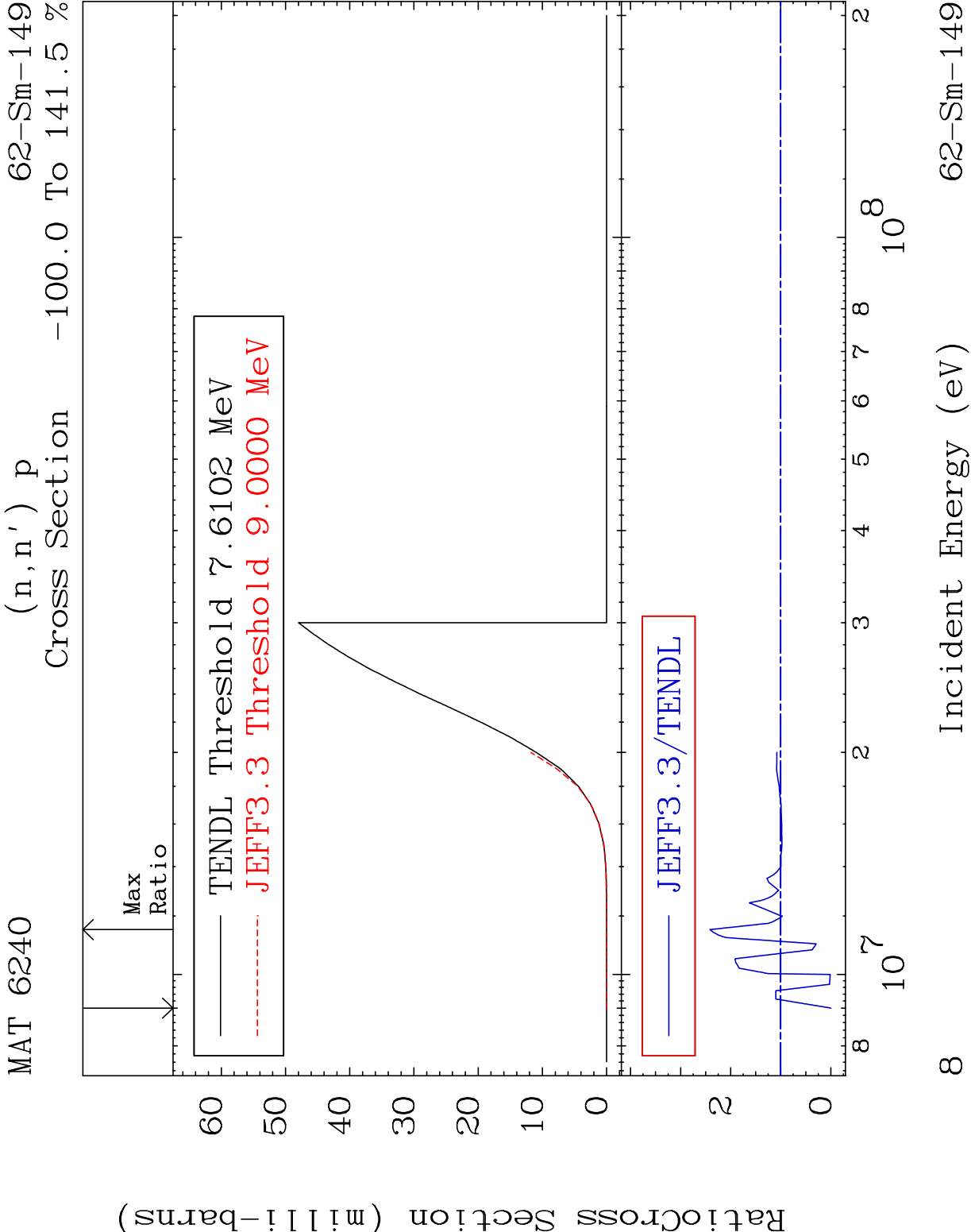
Incident Energy (eV)

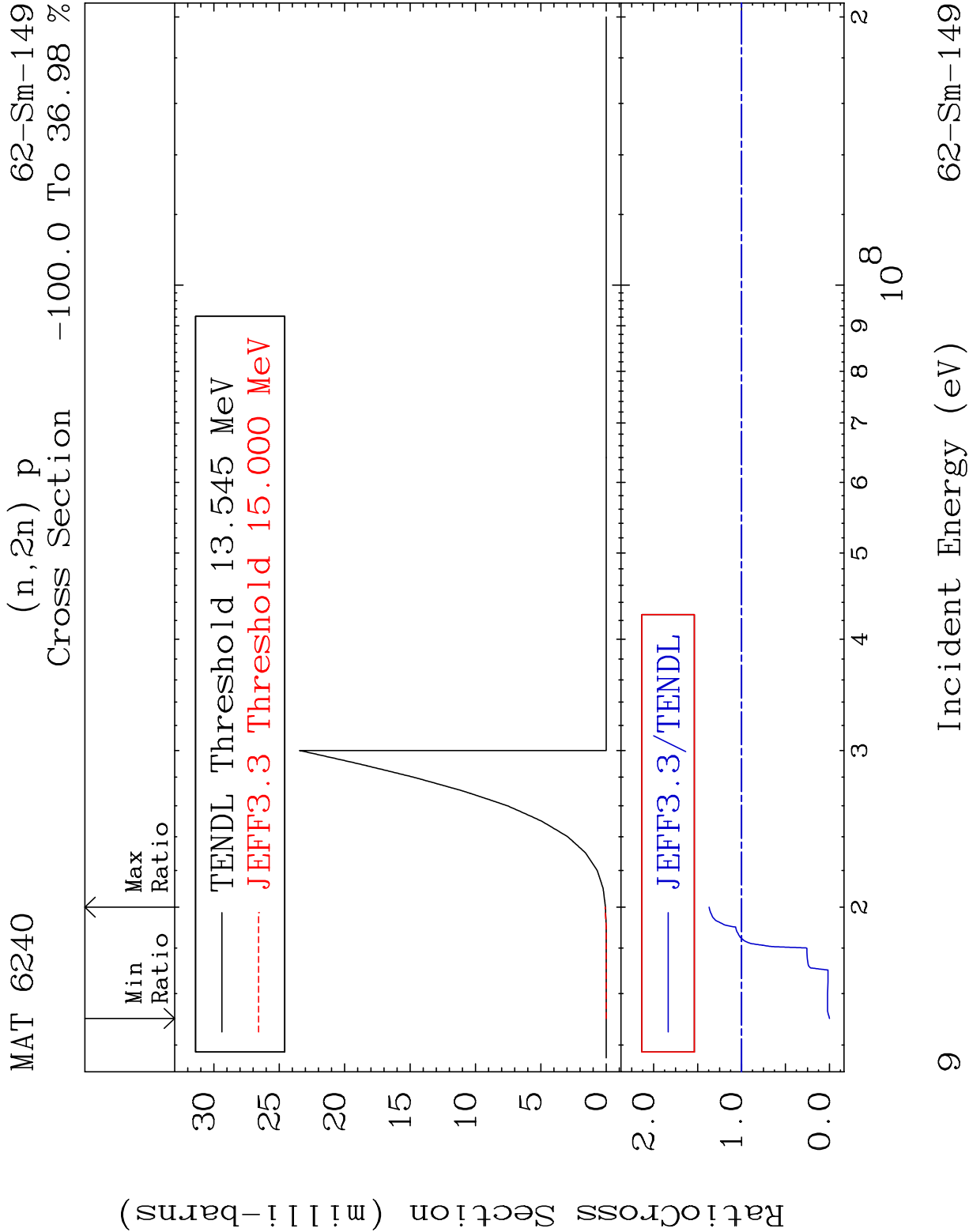
62-Sm-149

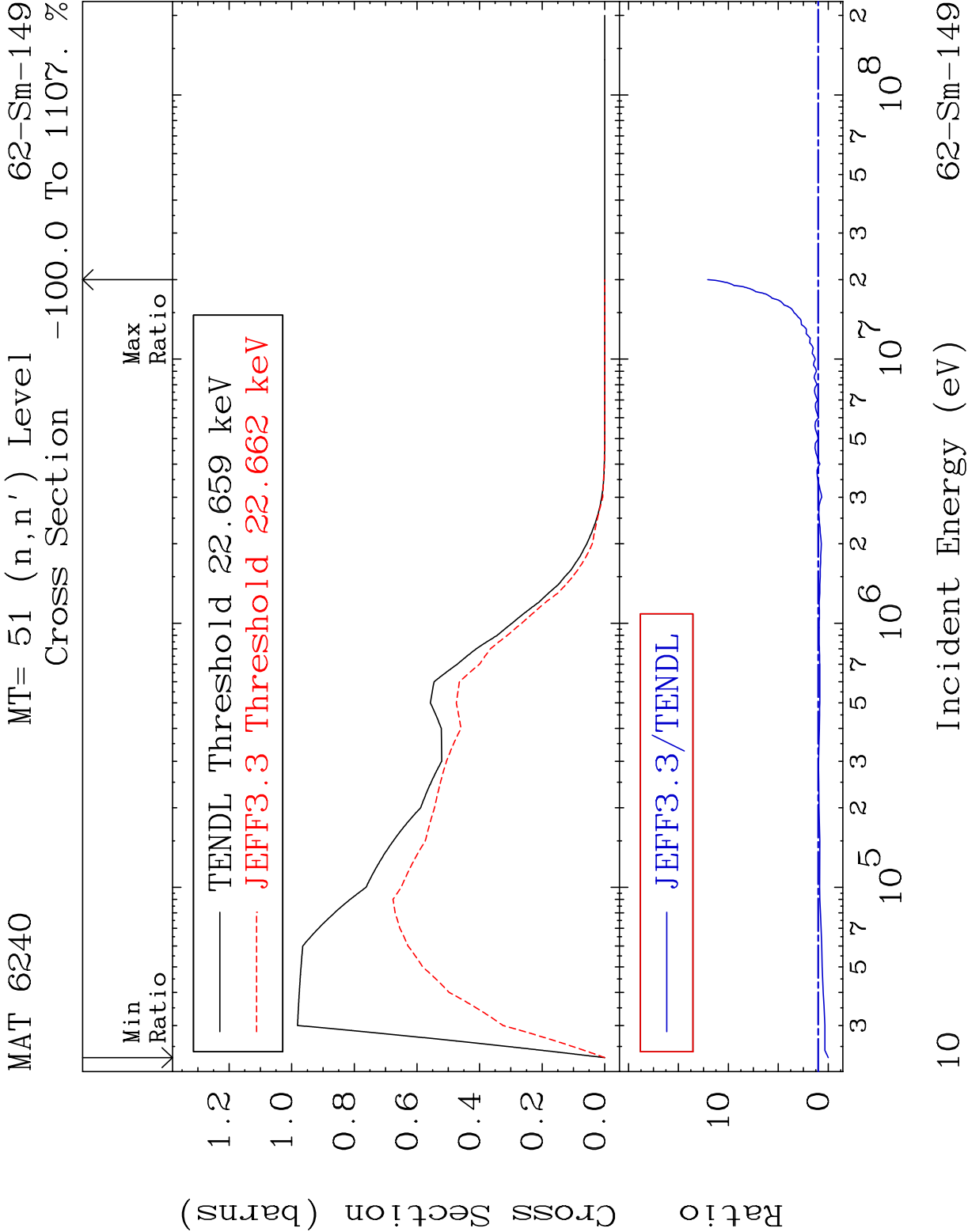


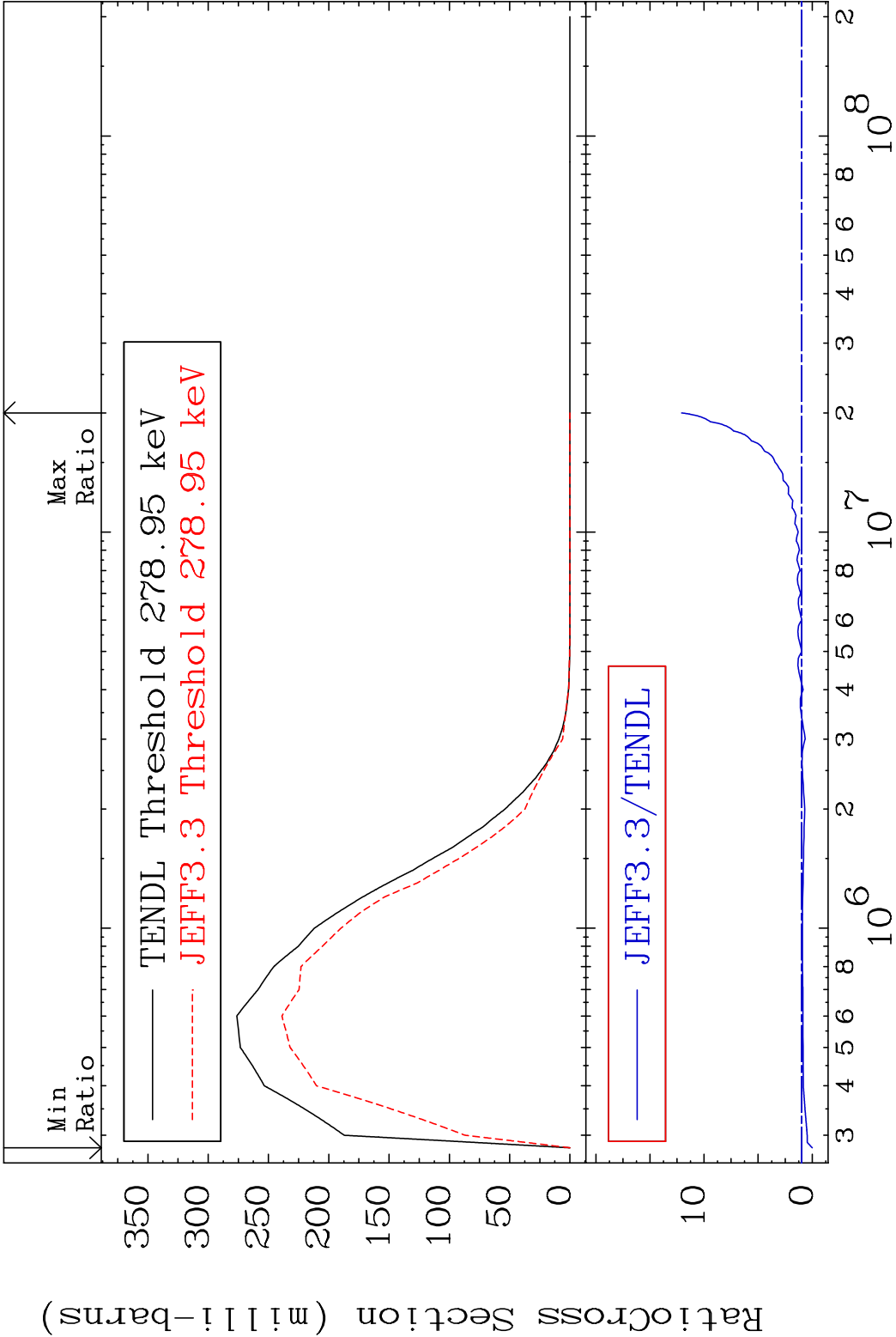


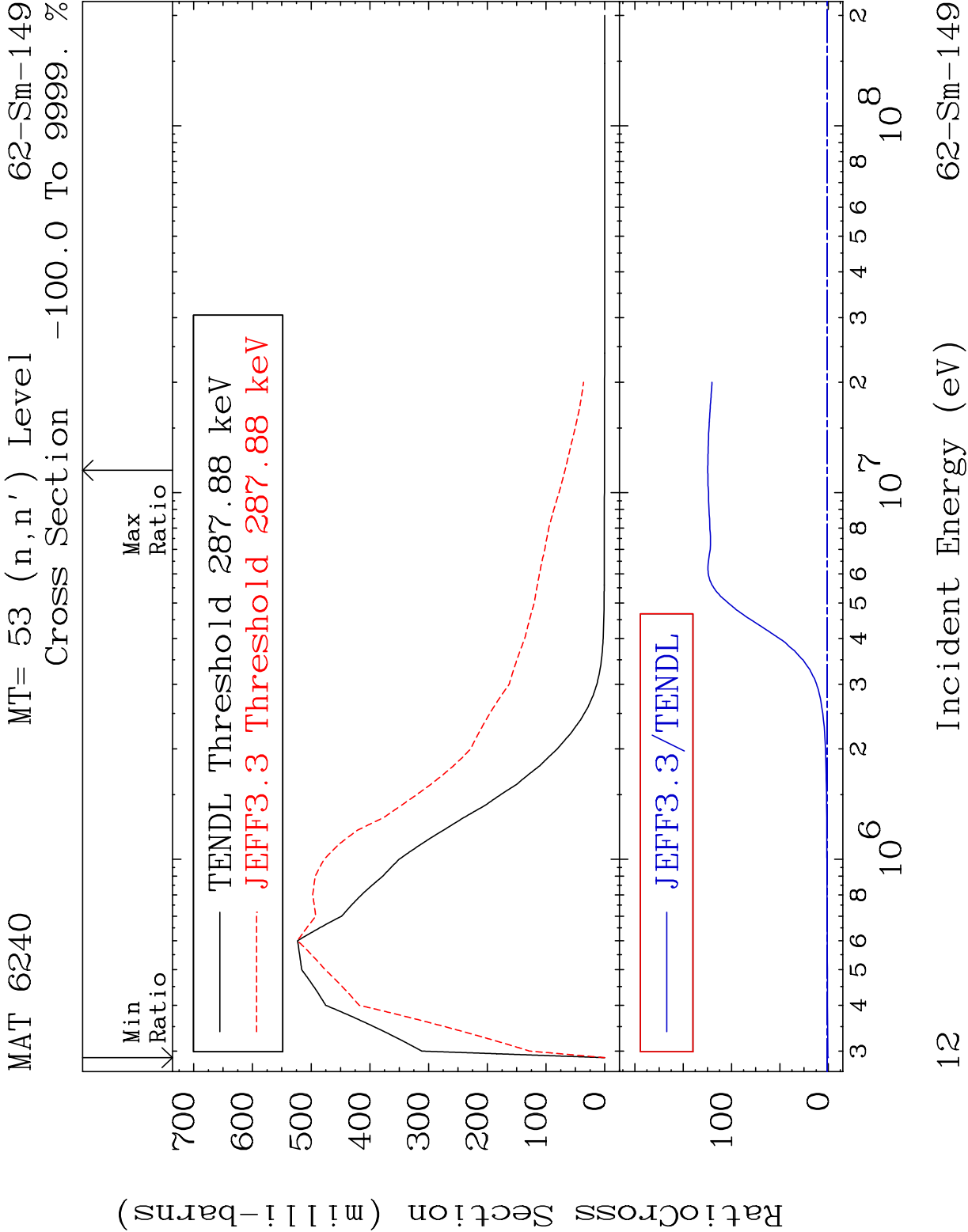




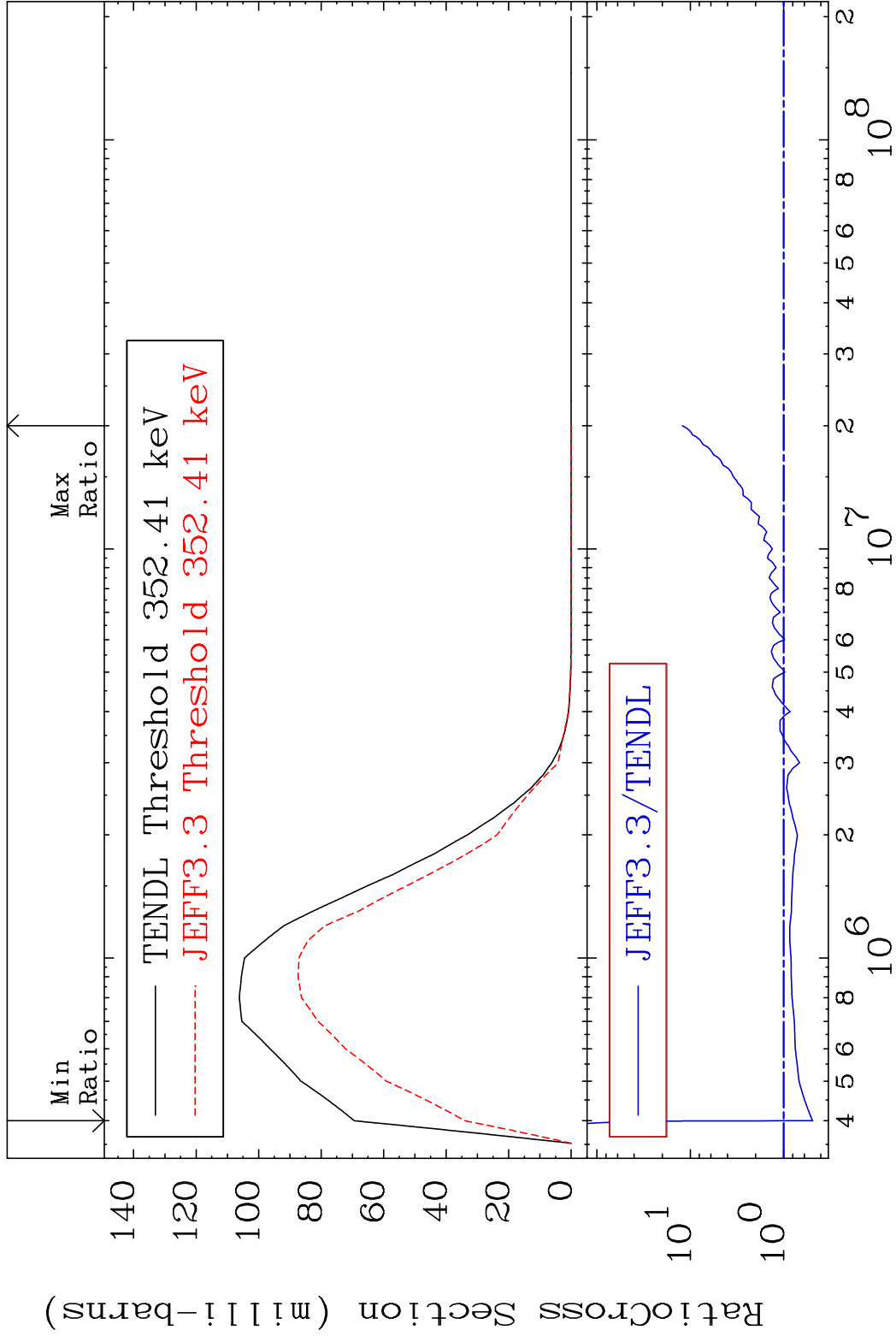








MAT 6240 MT= 54 (n,n') Level 62-Sm-149
Cross Section -51.02 To 1117. %



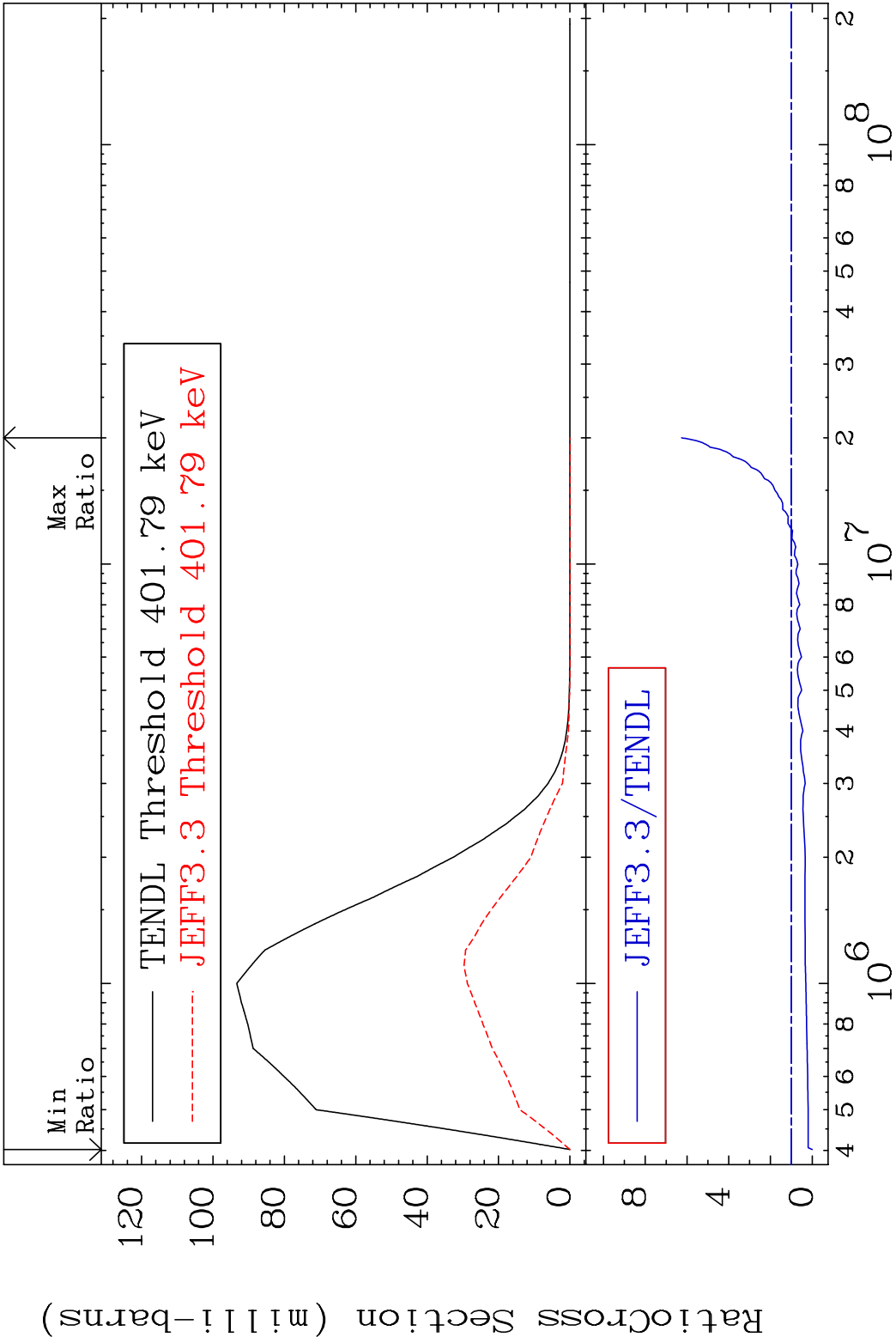
MAT 6240

MT= 55 (n,n') Level

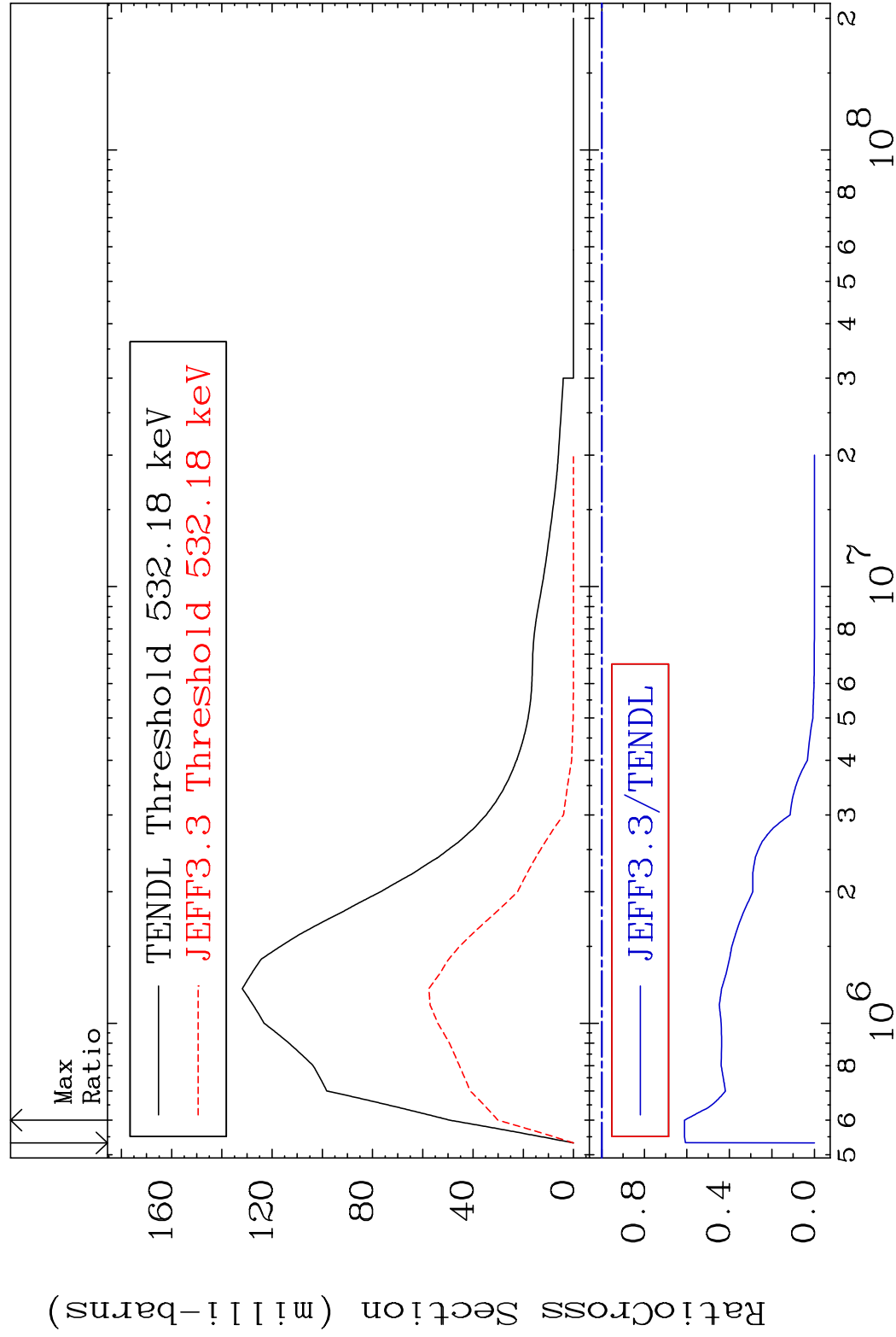
62-Sm-149

Cross Section

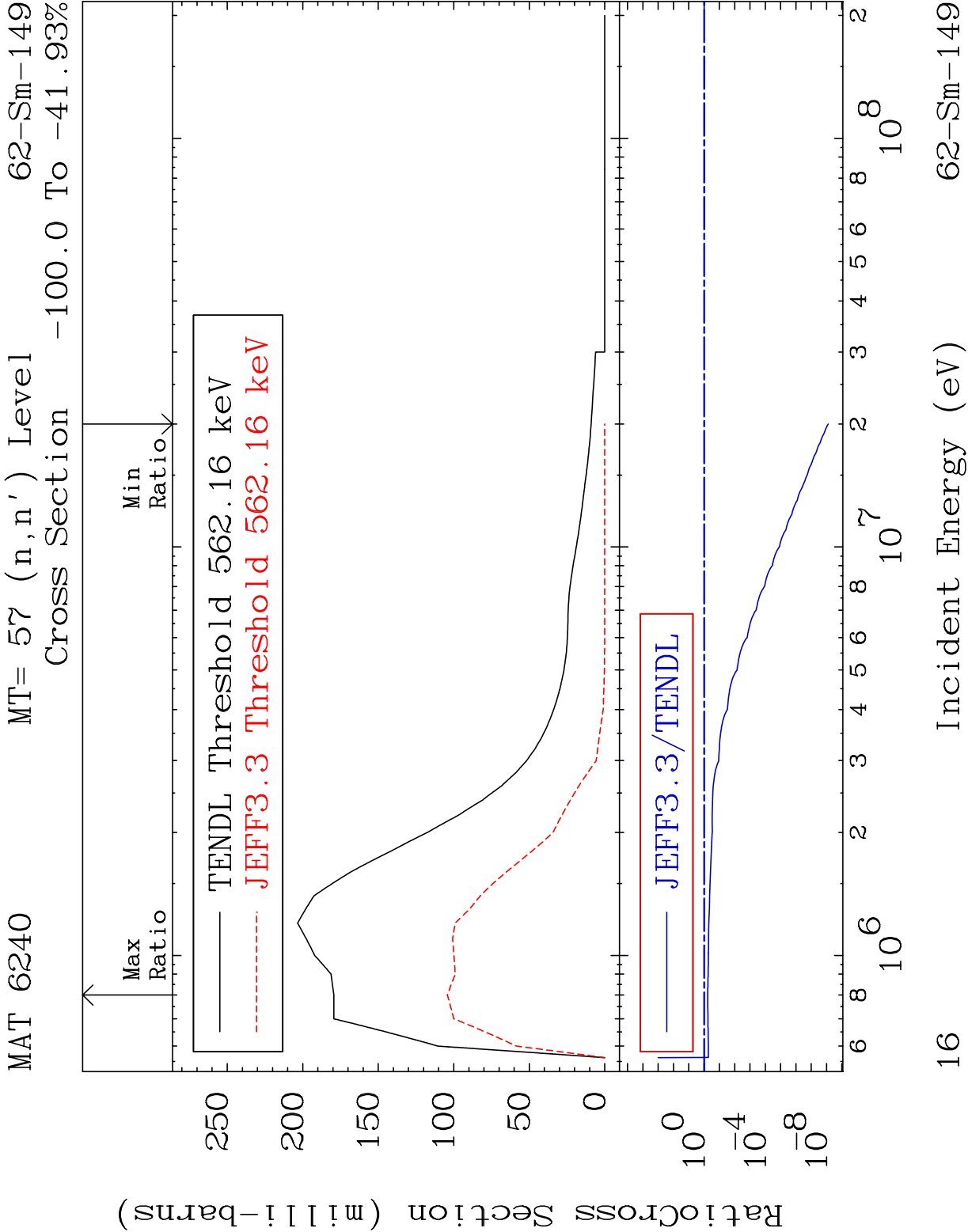
-100.0 To 526.2 %



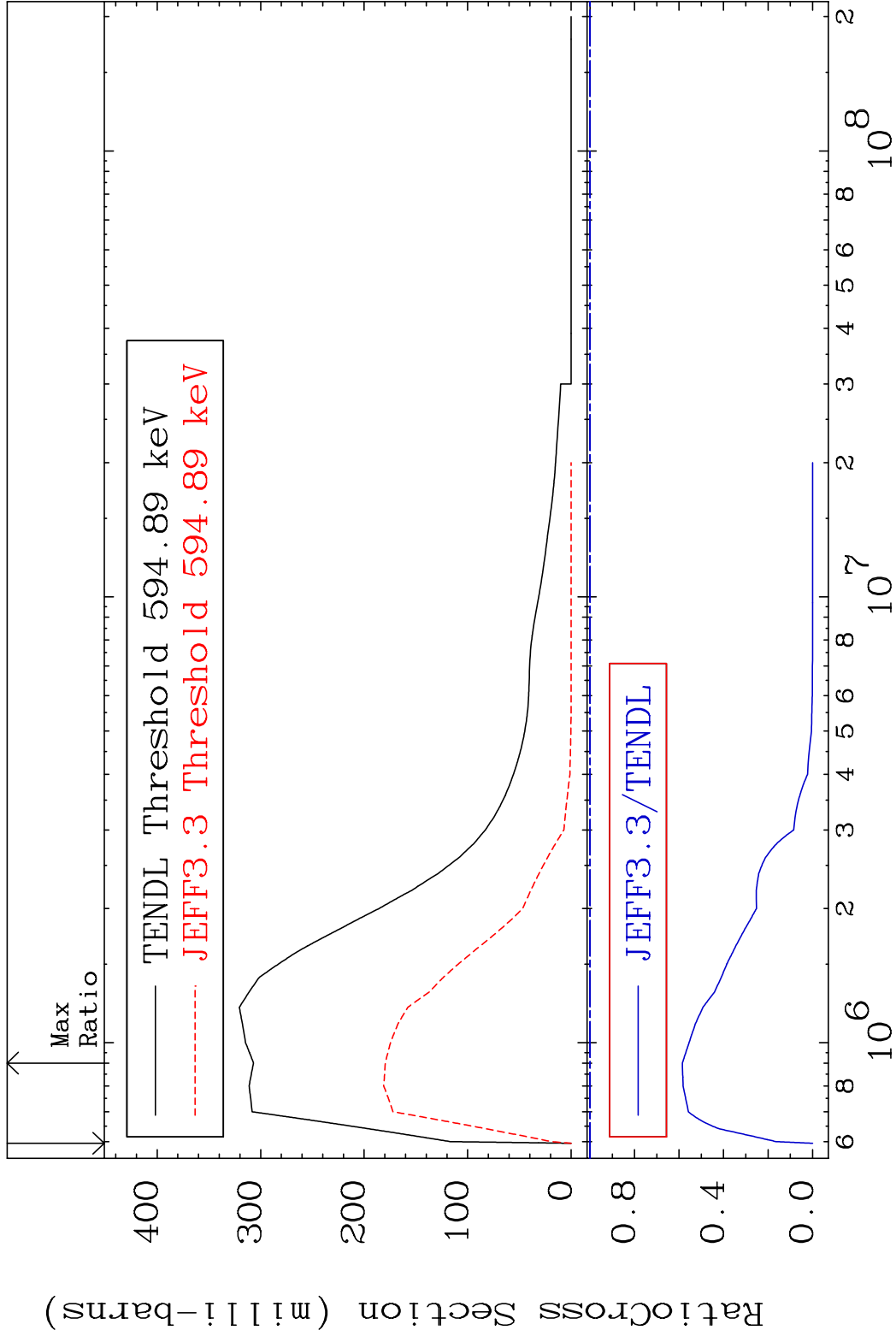
MAT 6240 MT= 56 (n,n') Level 62-Sm-149
Cross Section -100.0 To -38.86%



15 Incident Energy (eV) 62-Sm-149

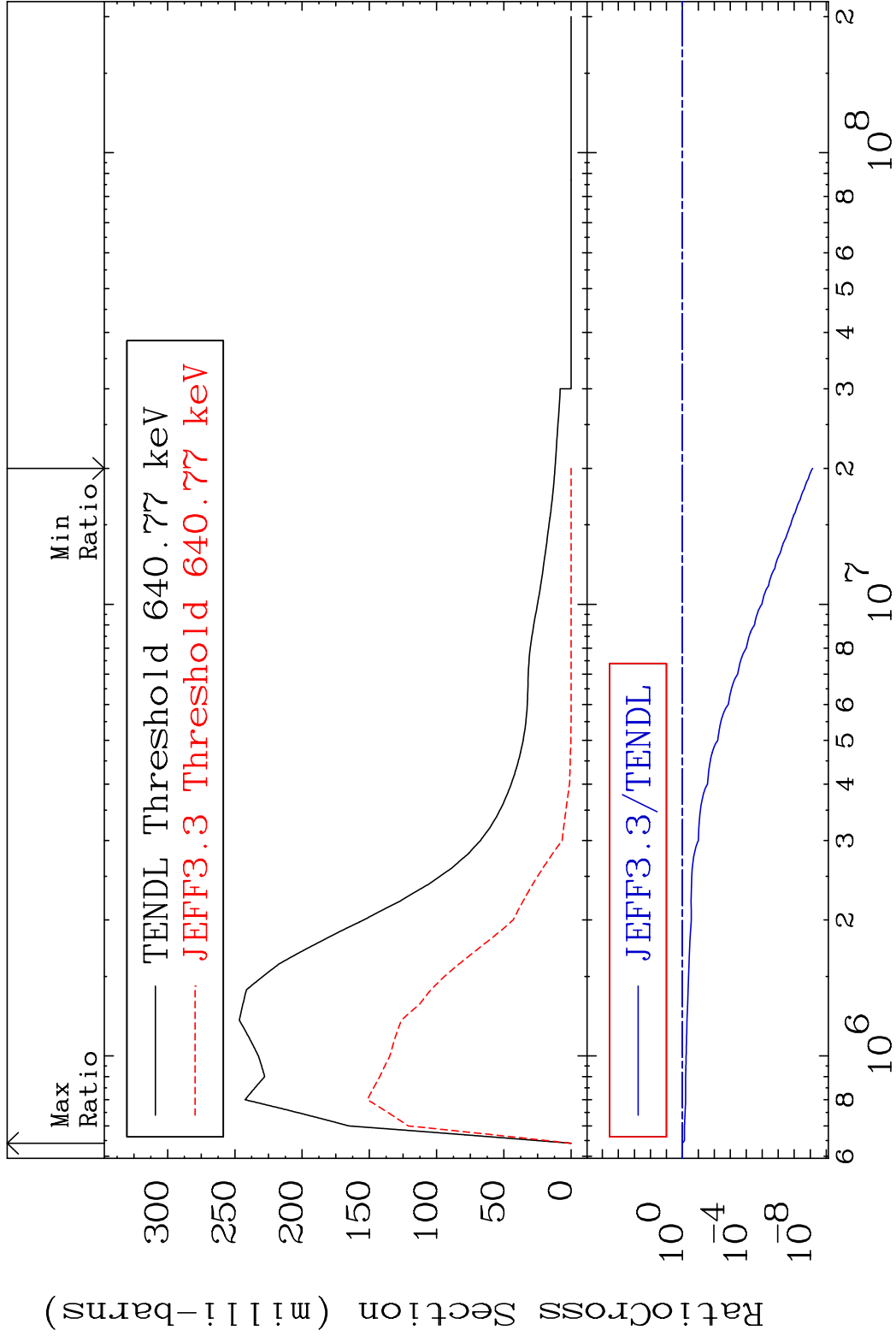


MAT 6240 MT= 58 (n,n') Level 62-Sm-149
Cross Section -100.0 To -41.49%



17 Incident Energy (eV) 62-Sm-149

MAT 6240 MT= 59 (n,n') Level 62-Sm-149
Cross Section -100.0 To 0.000 %



18 Incident Energy (eV) 62-Sm-149

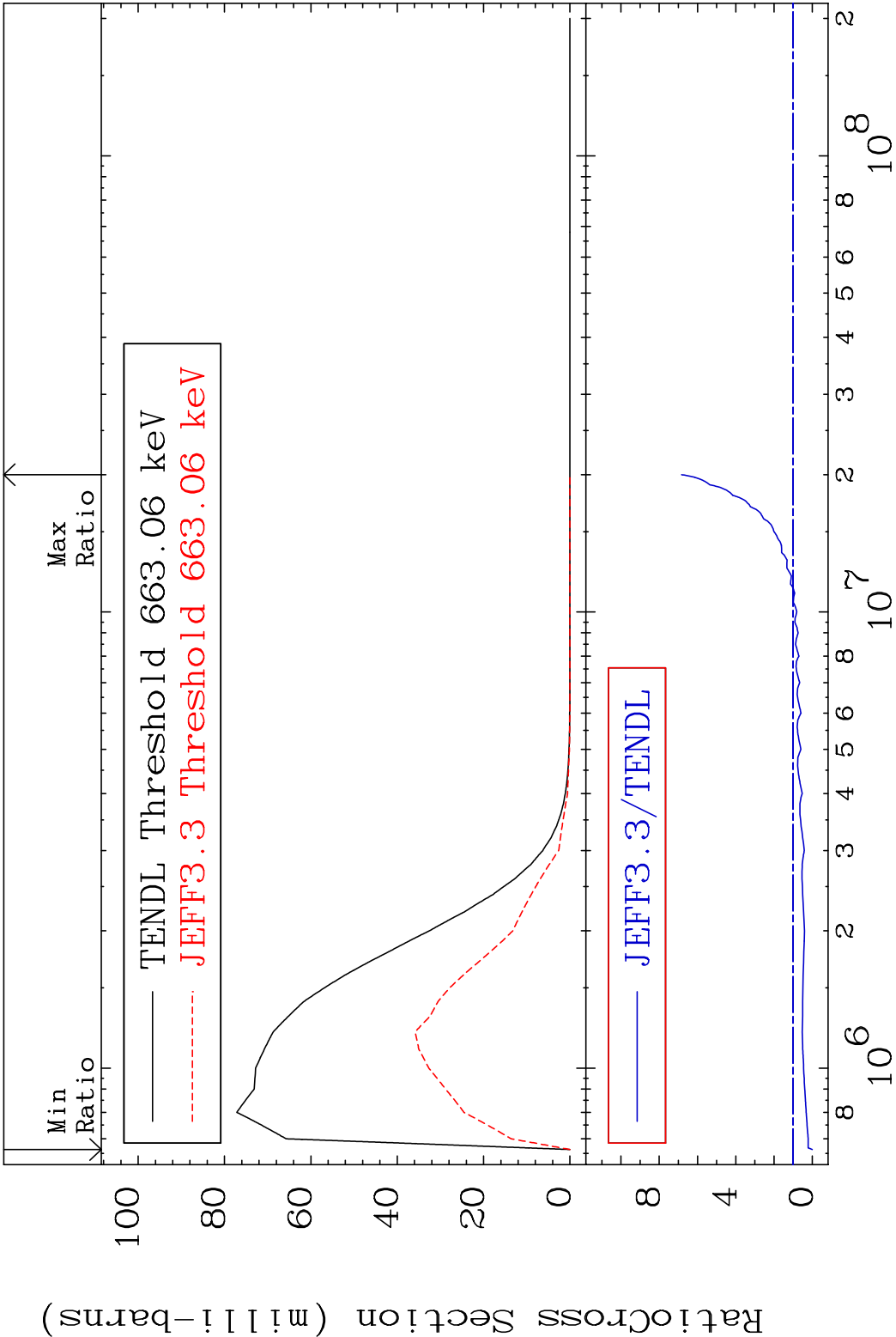
MAT 6240

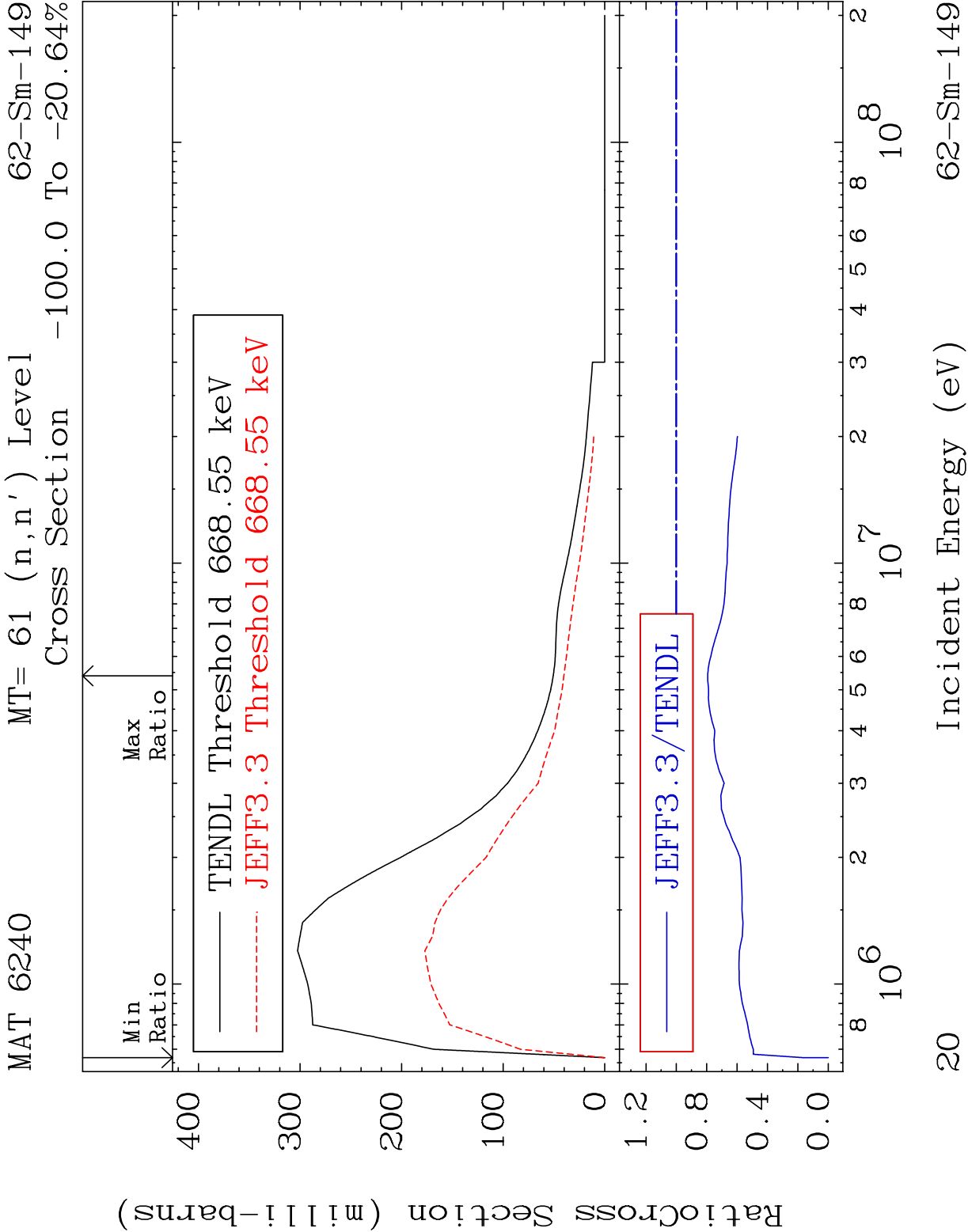
MT= 60 (n,n') Level

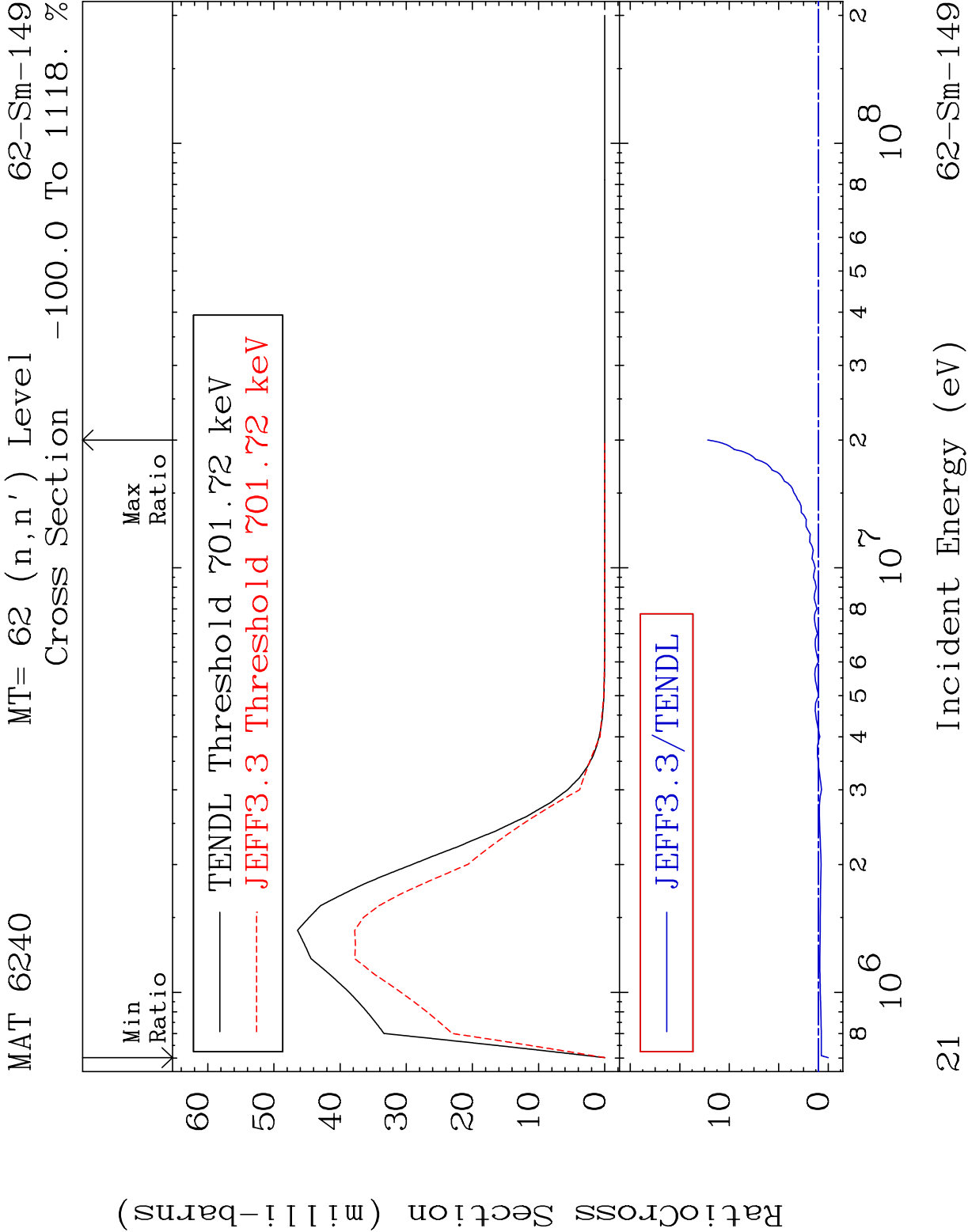
62-Sm-149

Cross Section

-100.0 To 583.4 %







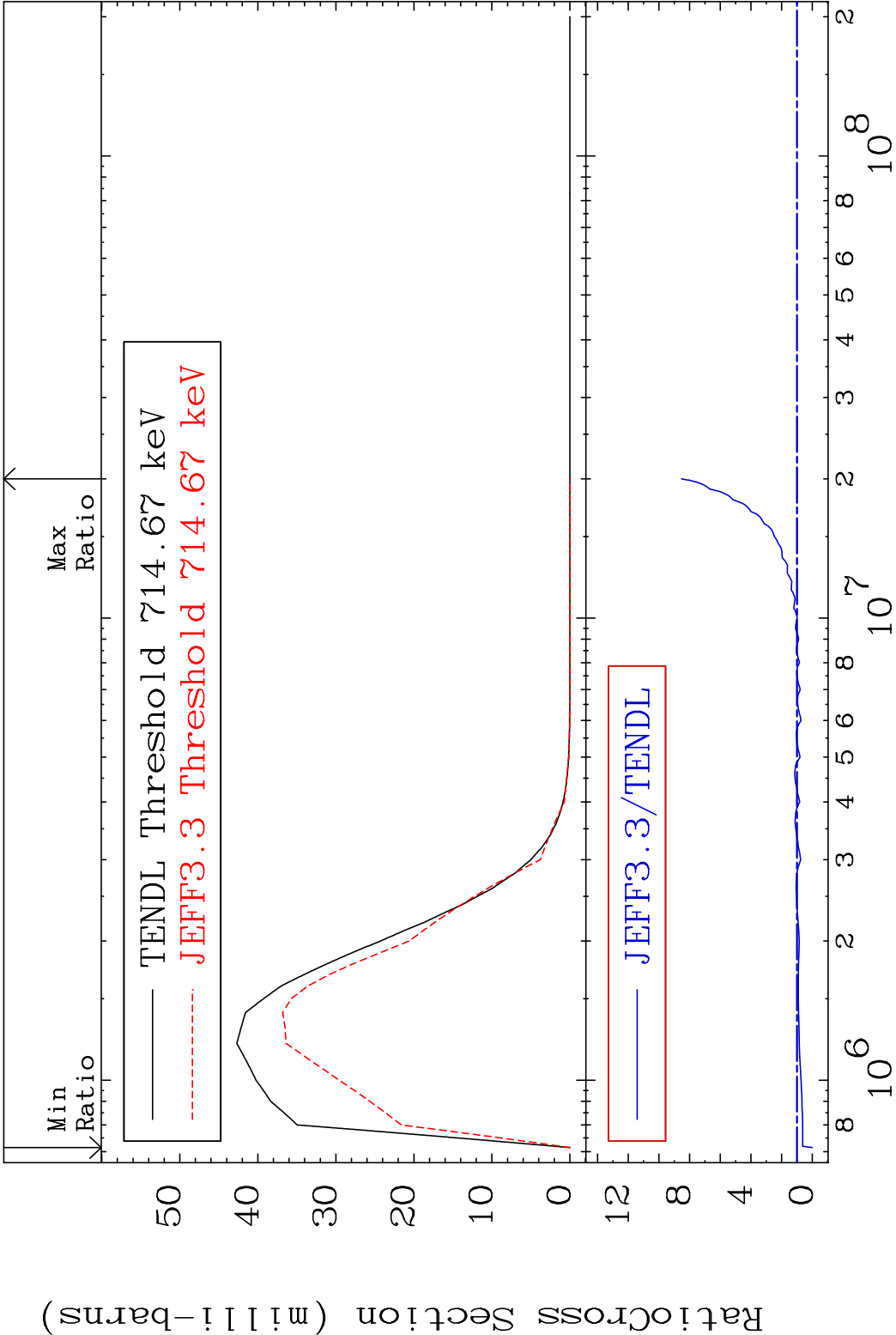
MAT 6240

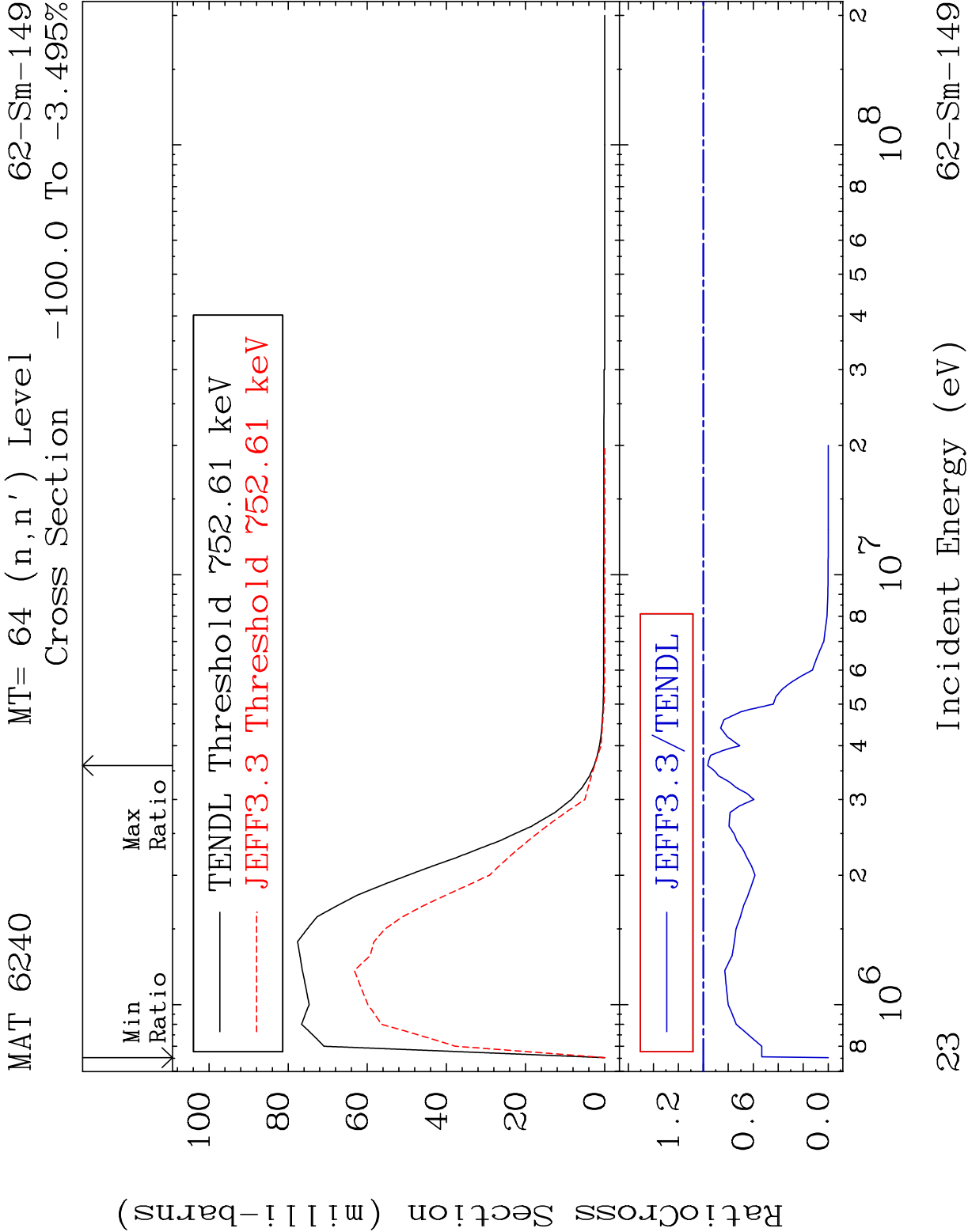
MT= 63 (n,n') Level

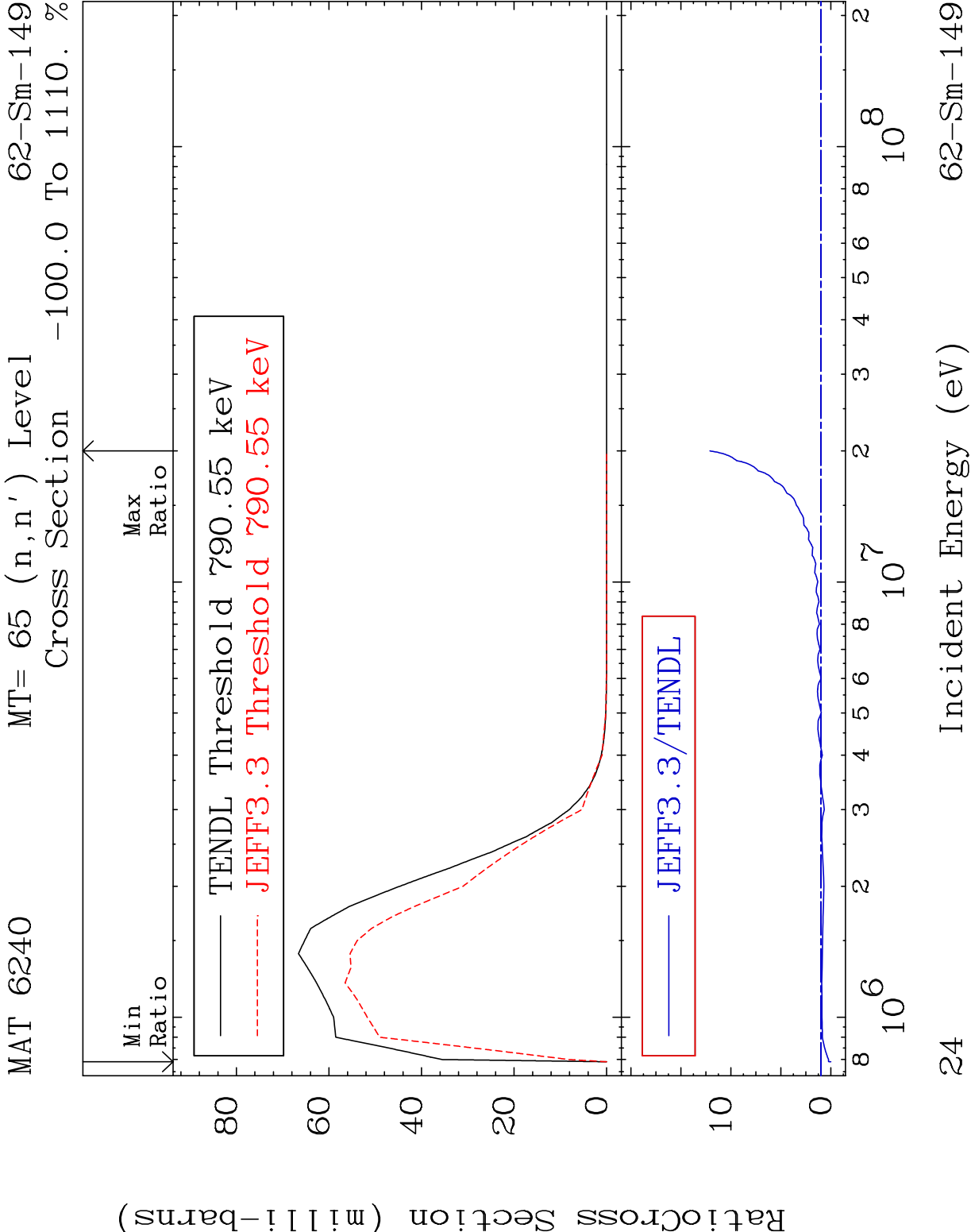
62-Sm-149

Cross Section

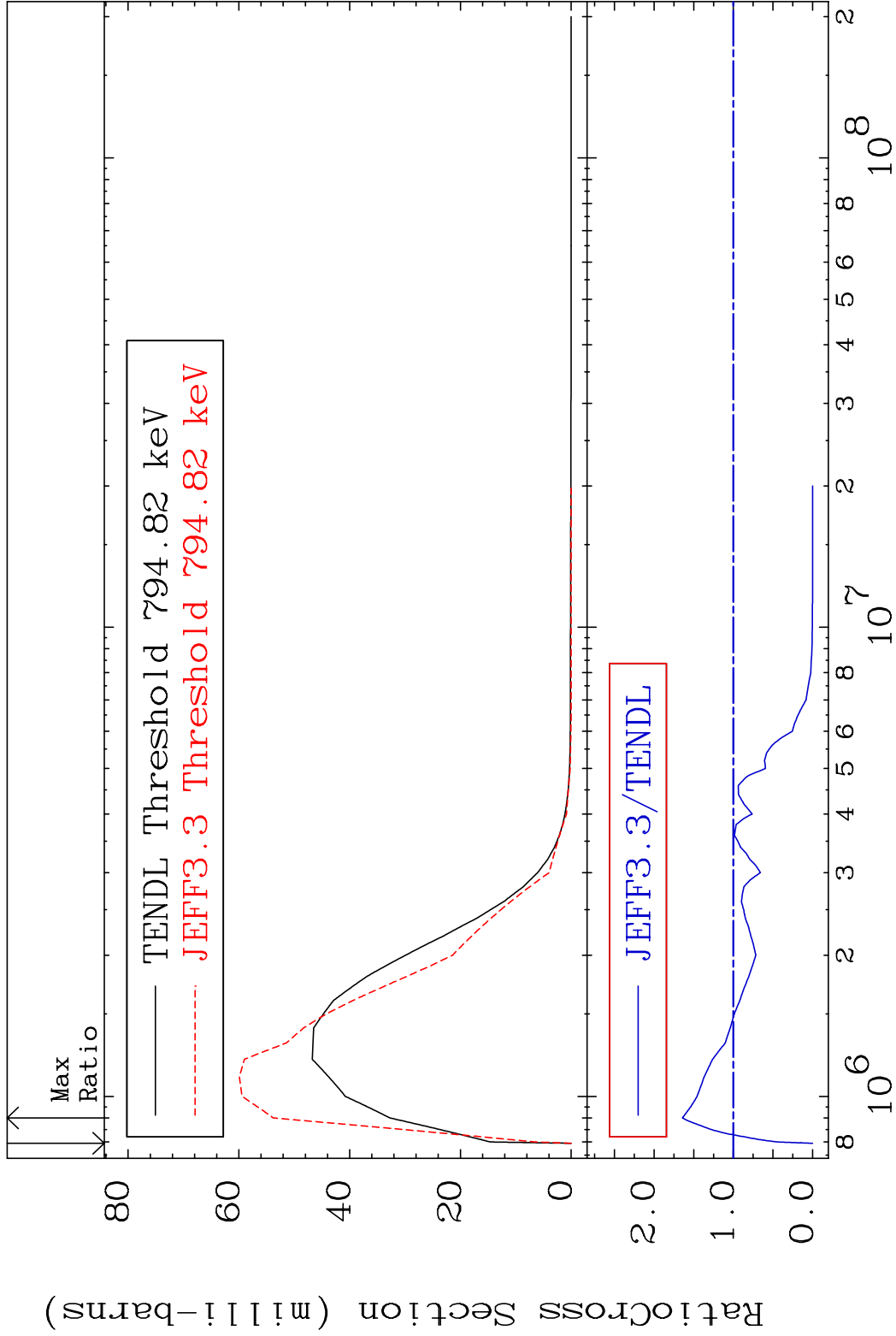
-100.0 To 752.5 %







MAT 6240 MT= 66 (n,n') Level 62-Sm-149
Cross Section -100.0 To 64.34 %



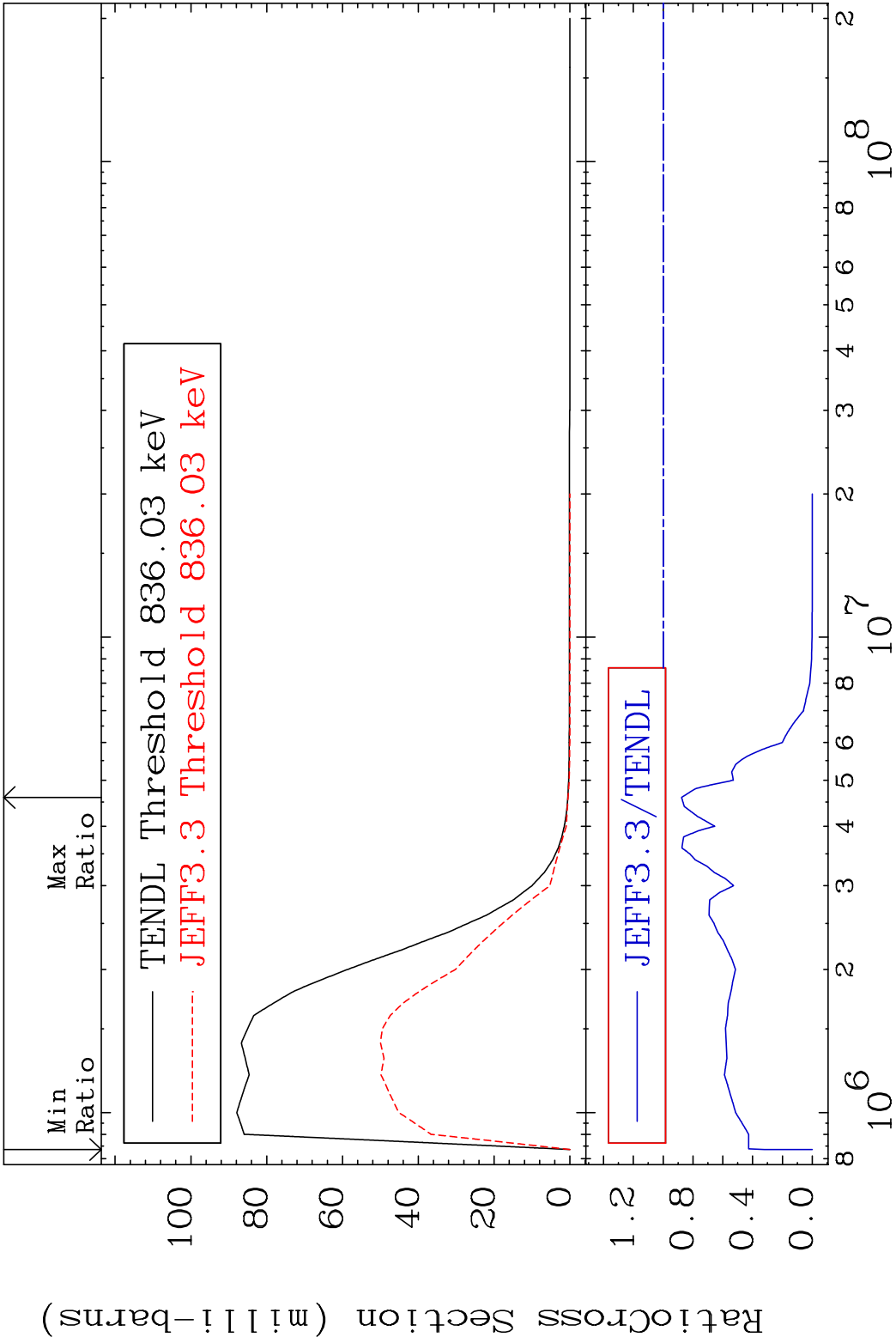
MAT 6240

MT= 67 (n,n') Level

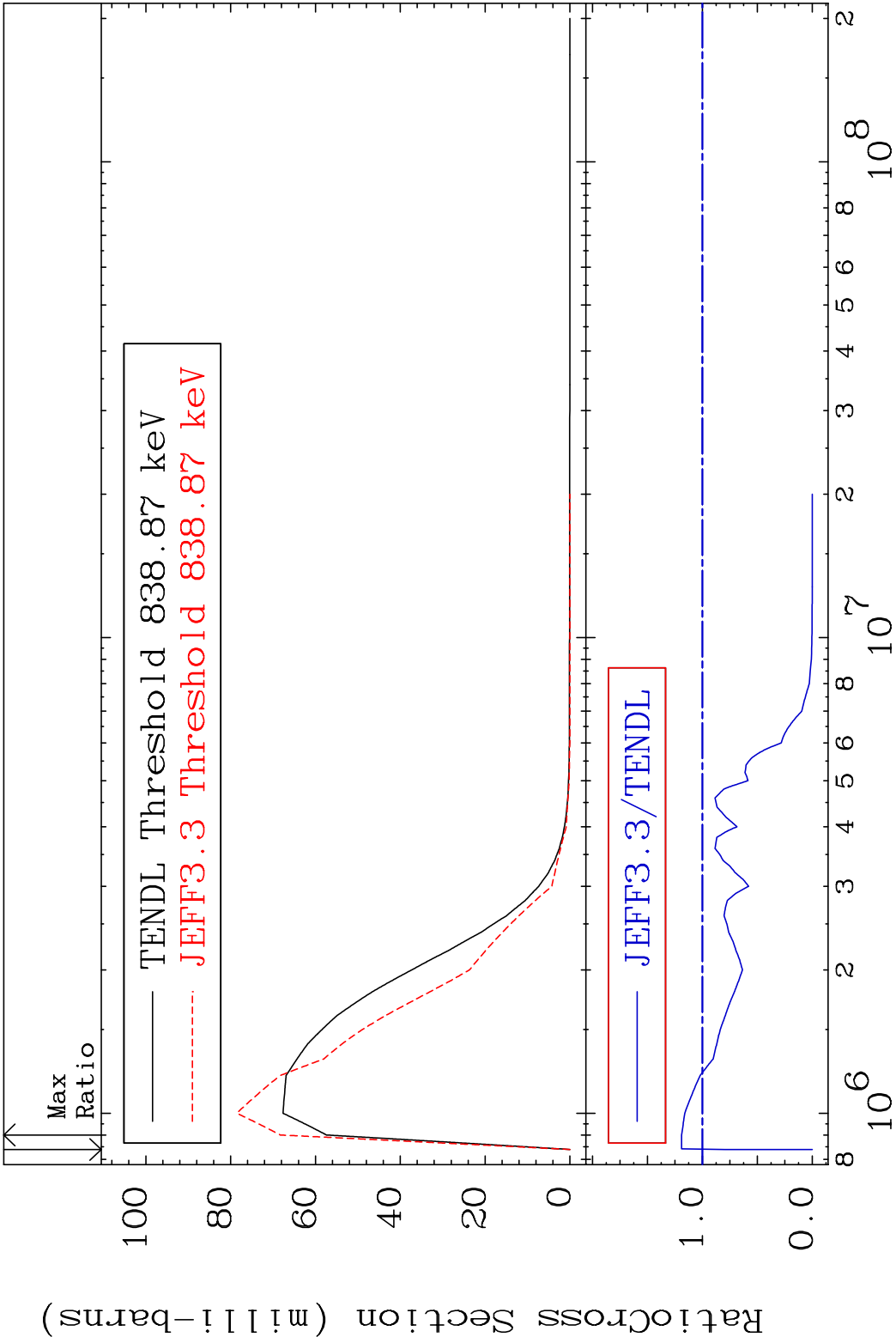
62-Sm-149

Cross Section

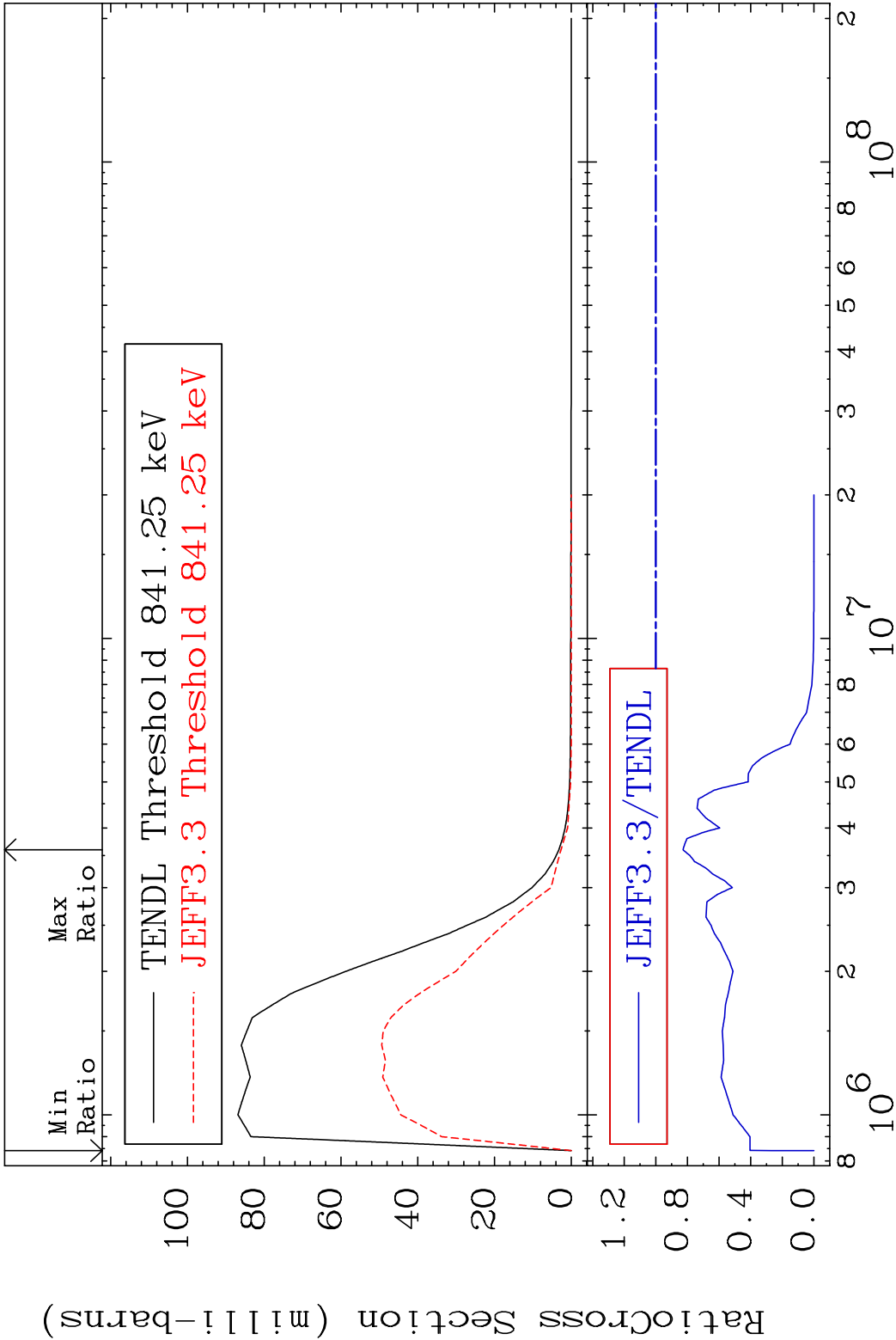
-100.0 To -12.33%



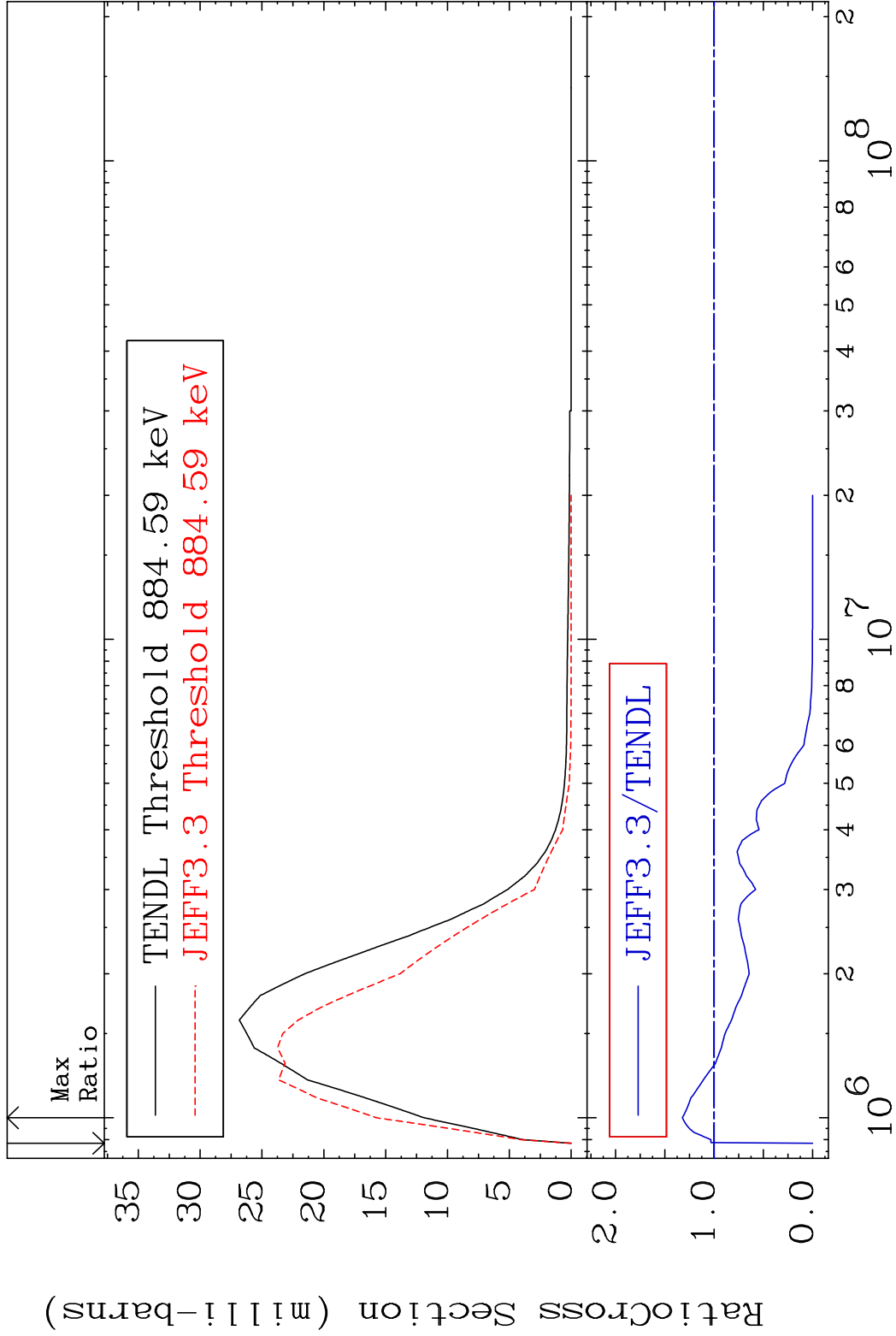
MAT 6240 MT= 68 (n,n') Level 62-Sm-149
 Cross Section -100.0 To 18.94 %



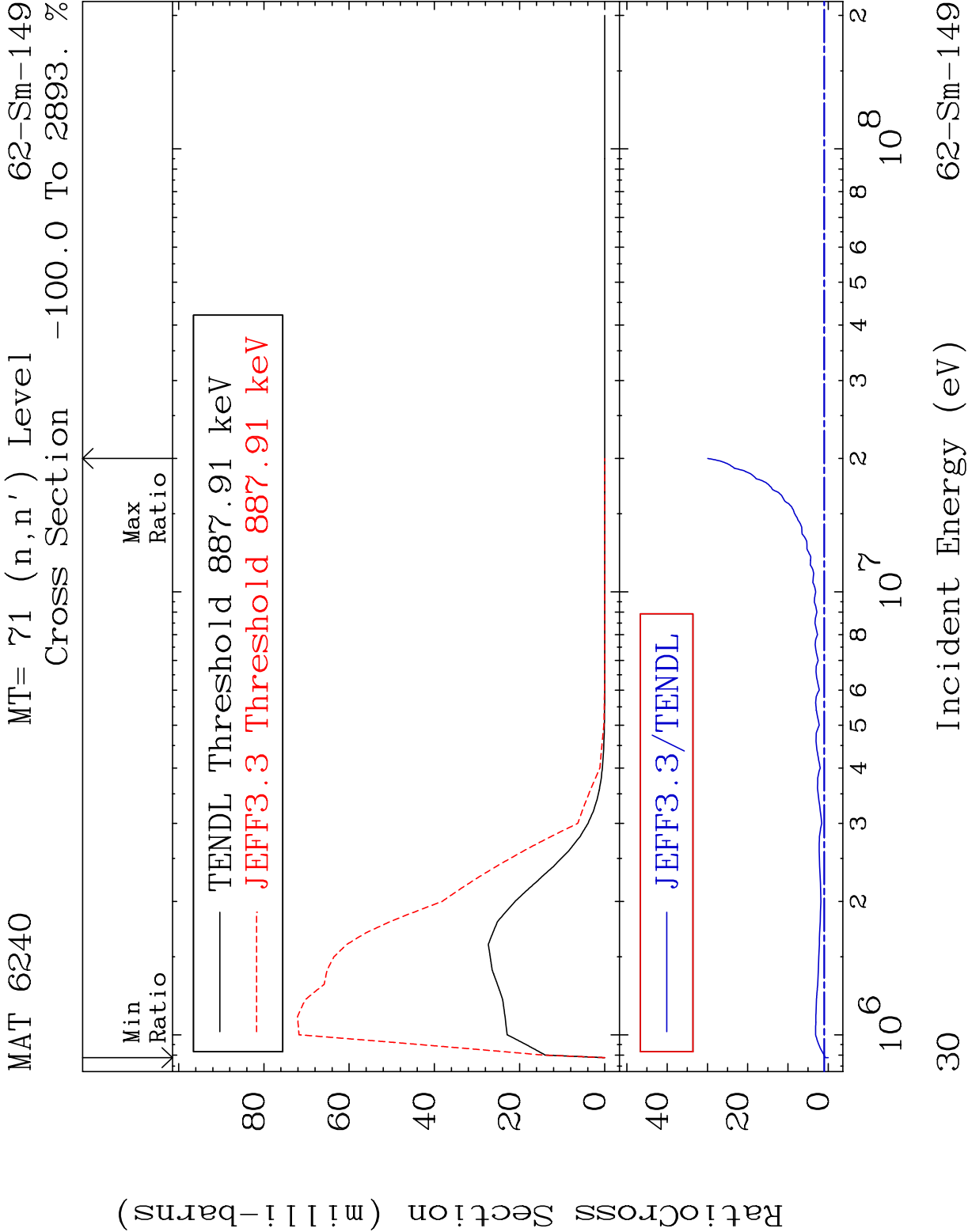
MAT 6240 MT= 69 (n,n') Level 62-Sm-149
Cross Section -100.0 To -17.19%

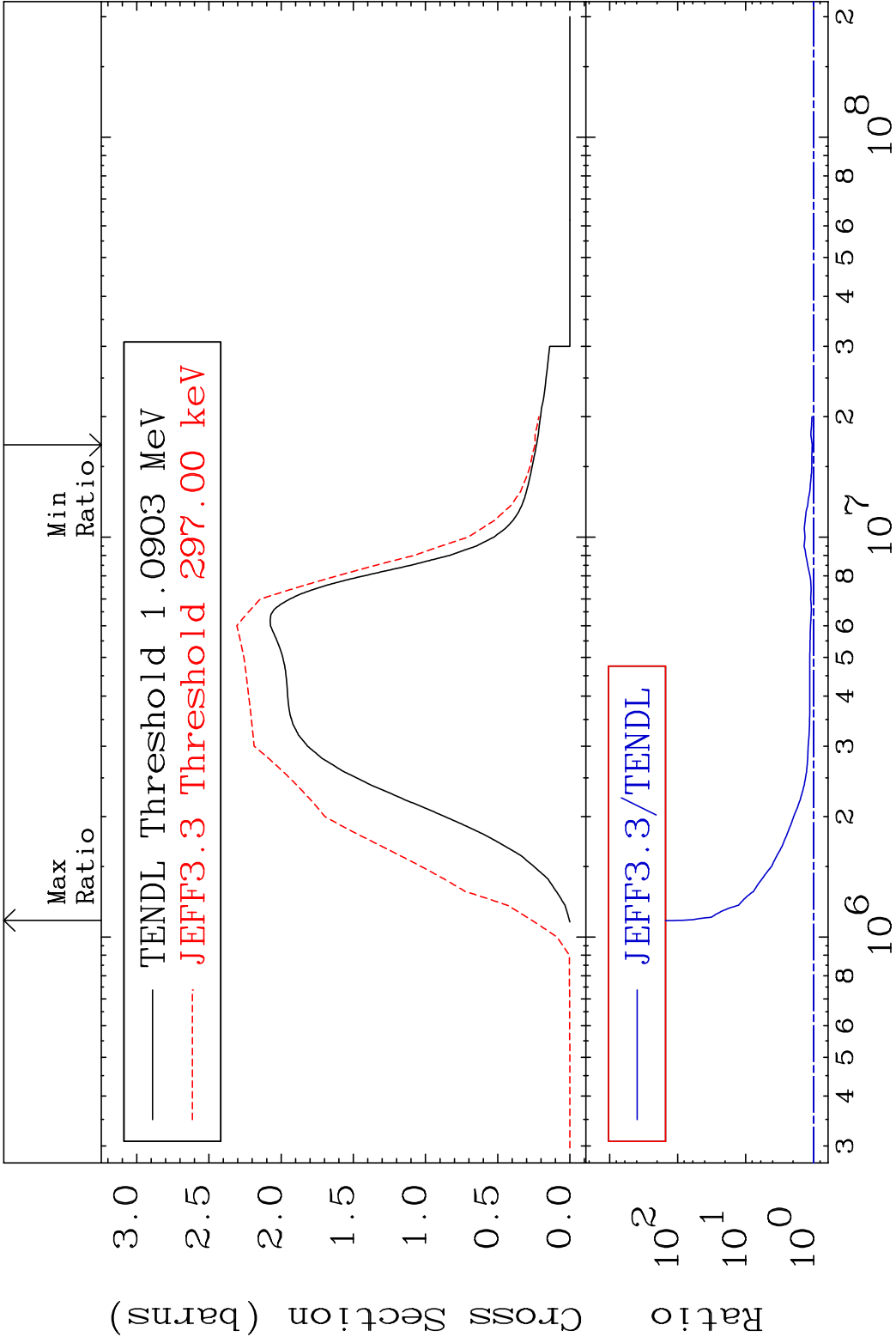


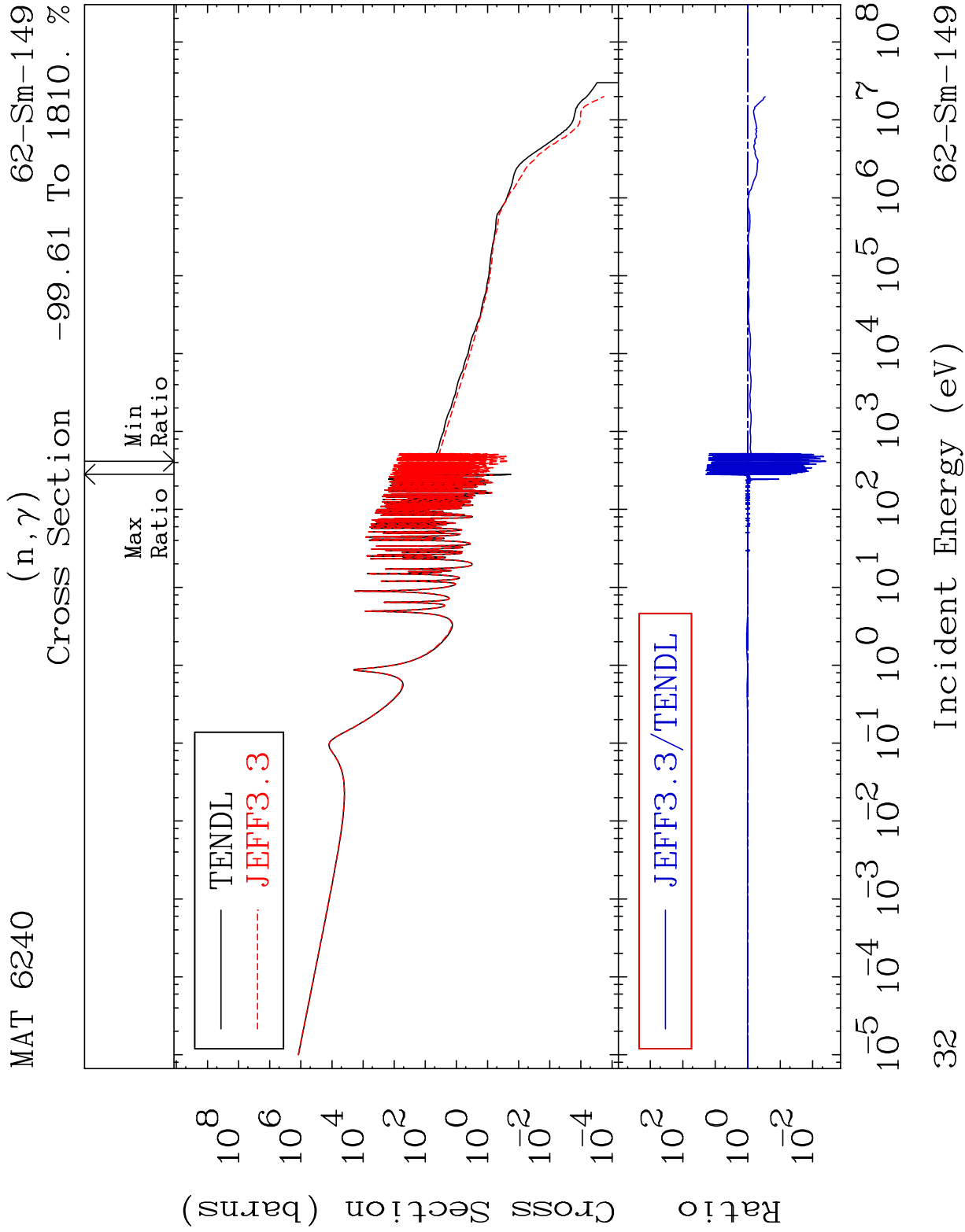
MAT 6240 MT= 70 (n,n') Level 62-Sm-149
Cross Section -100.0 To 32.18 %

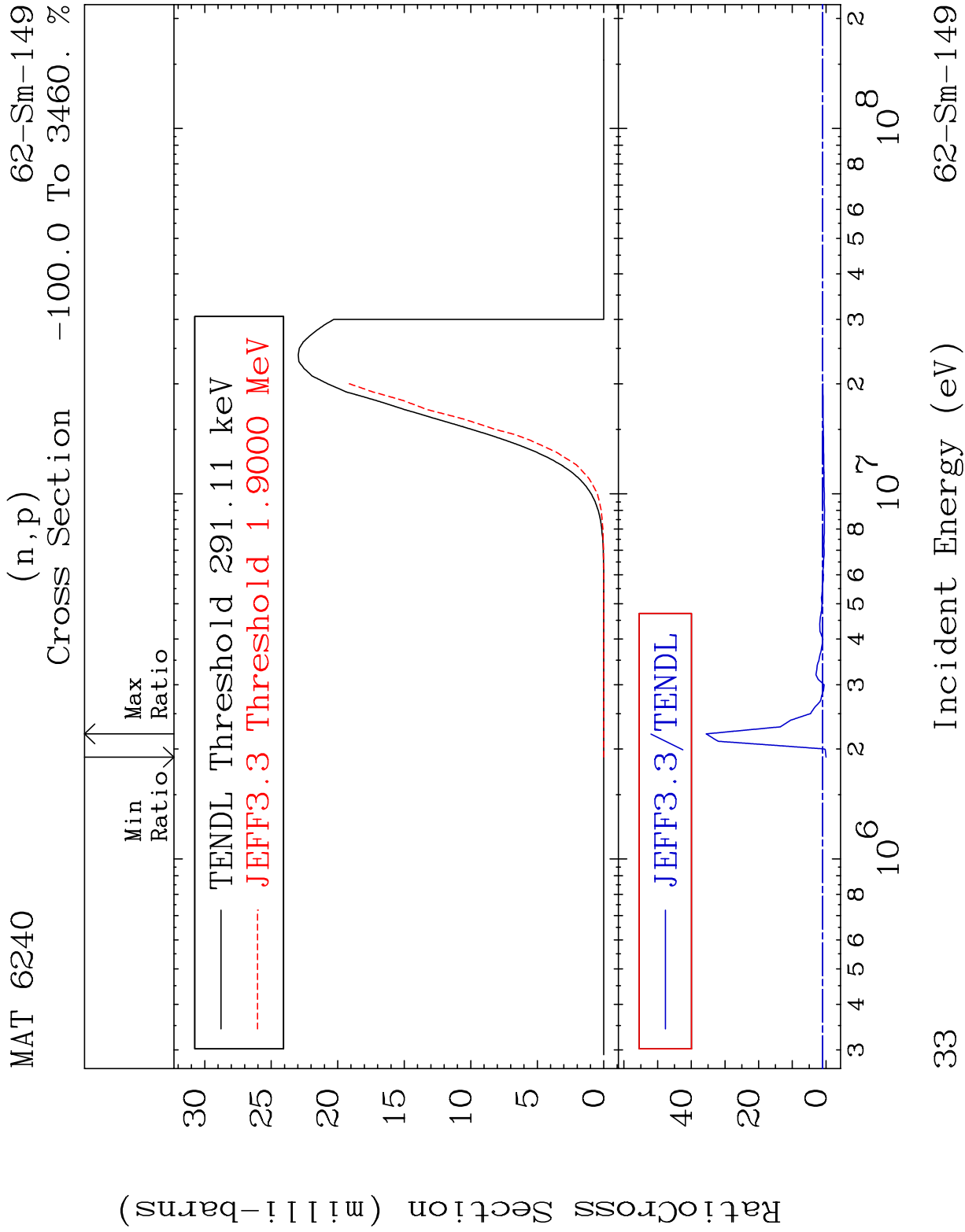


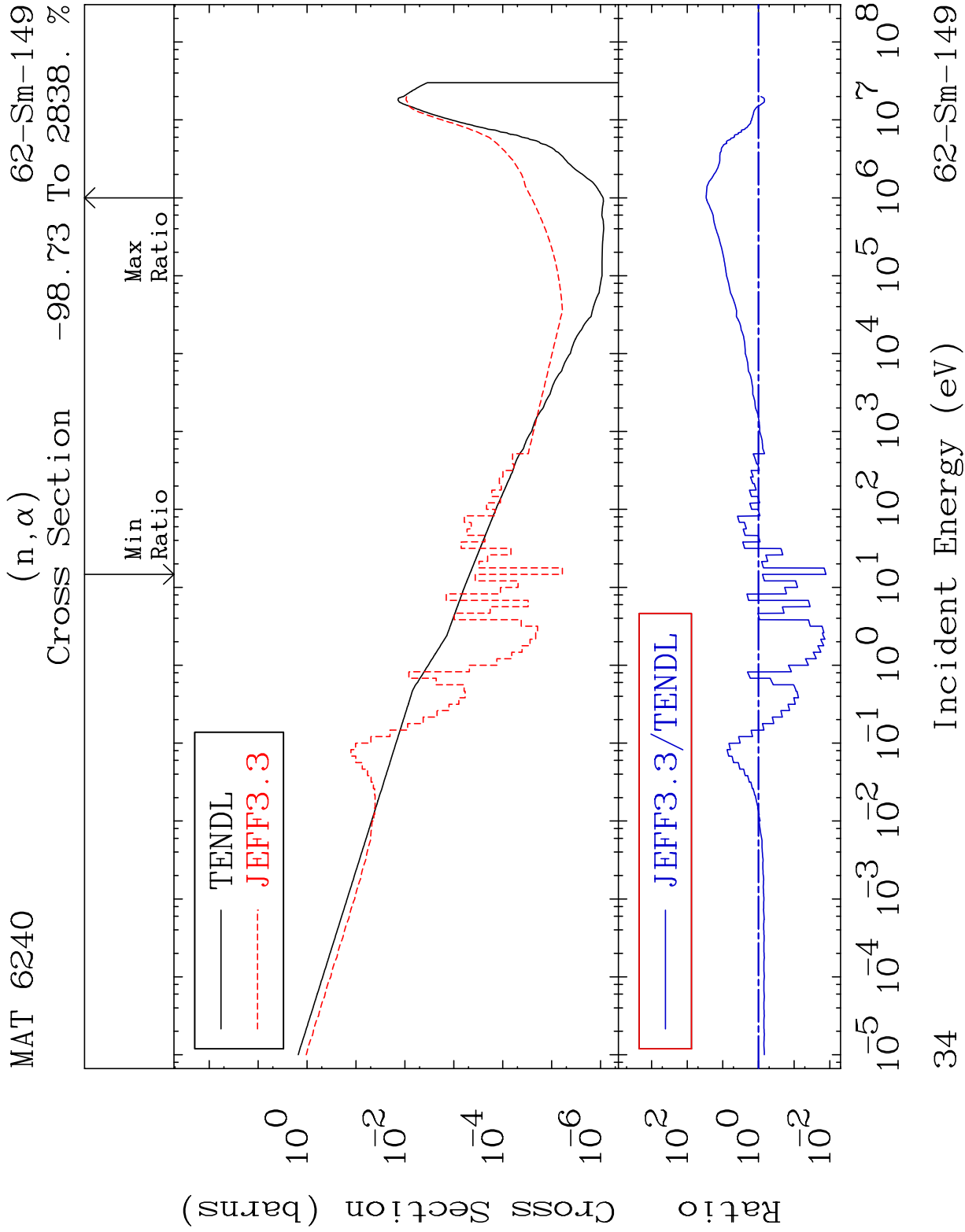
29 Incident Energy (eV) 62-Sm-149

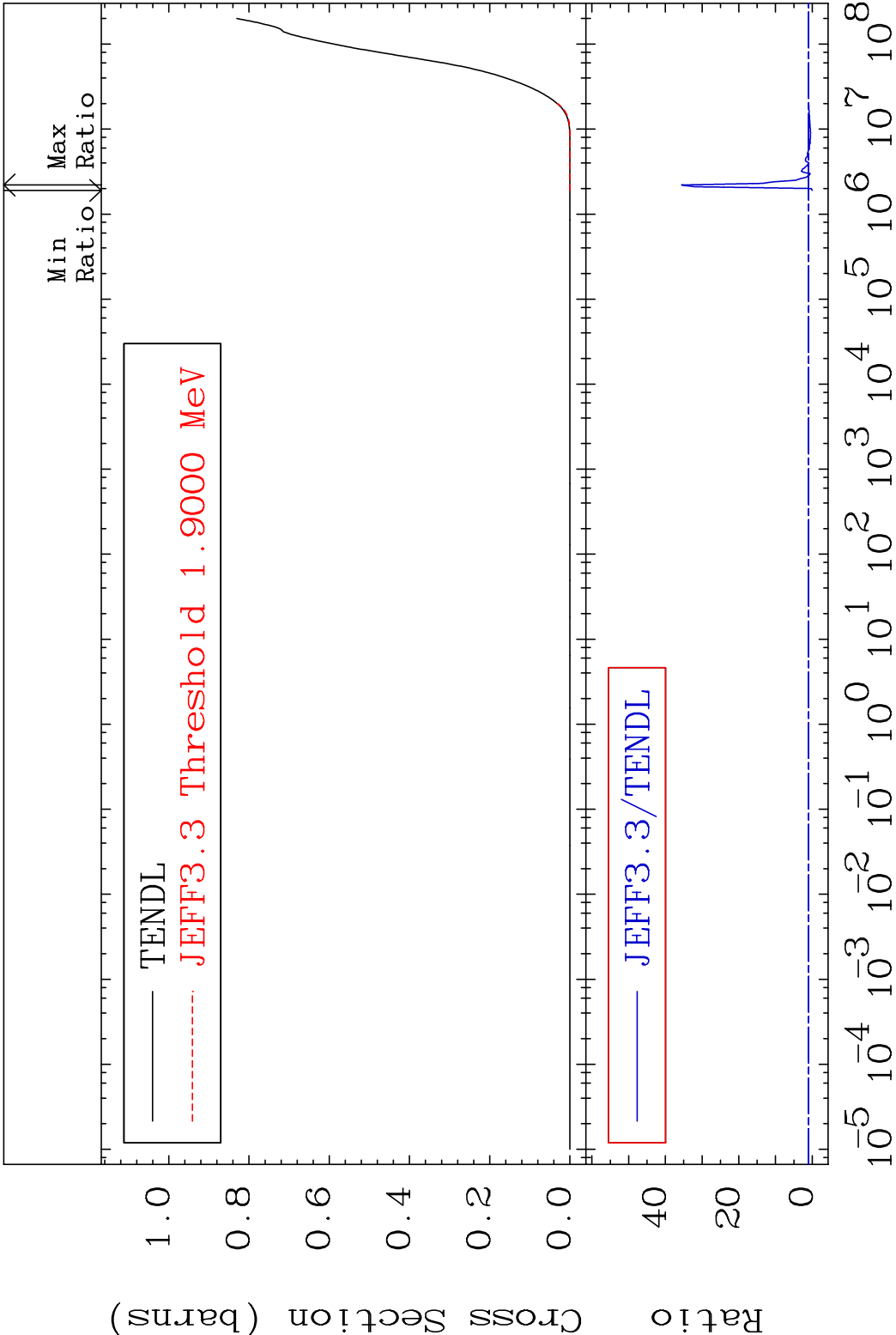


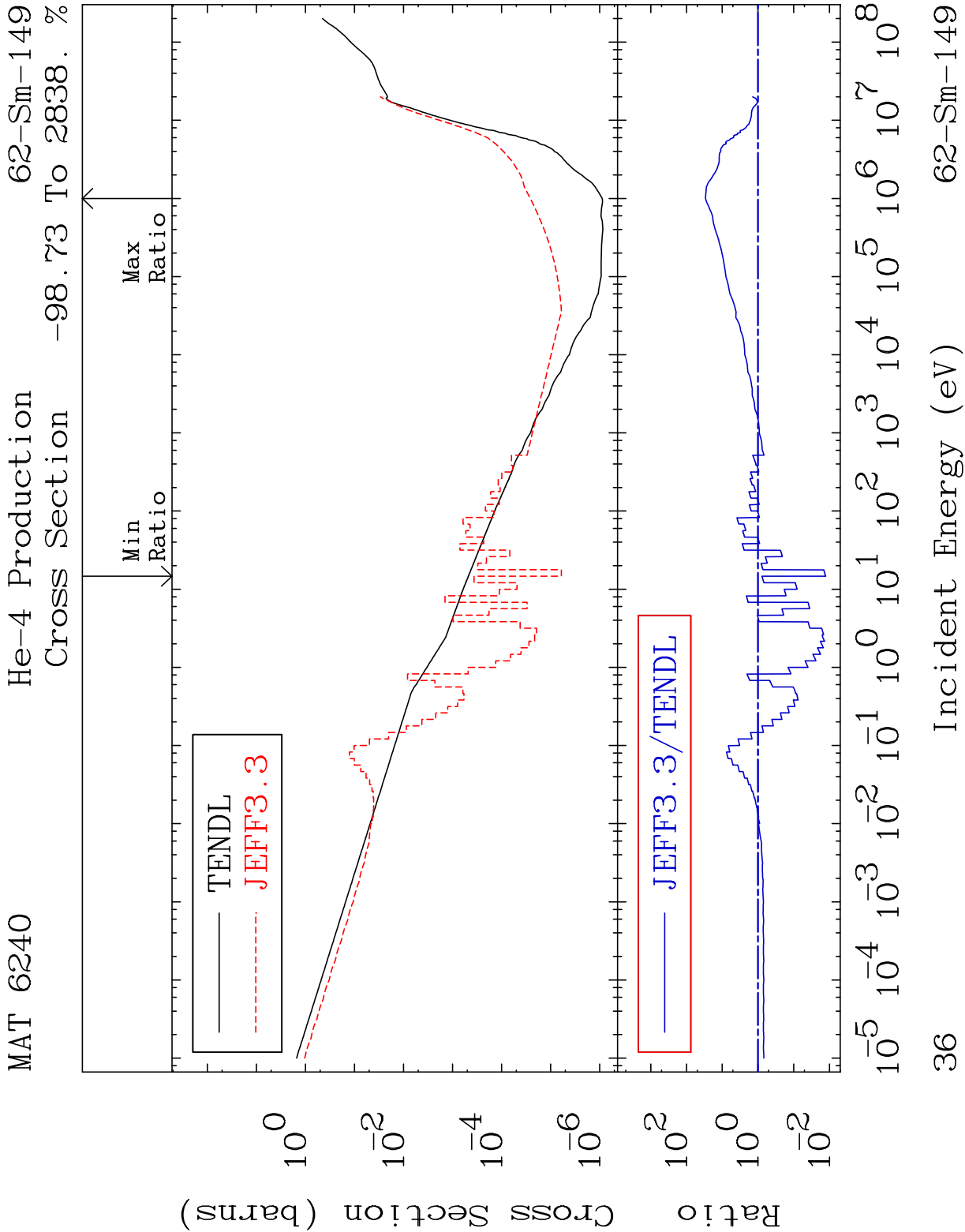


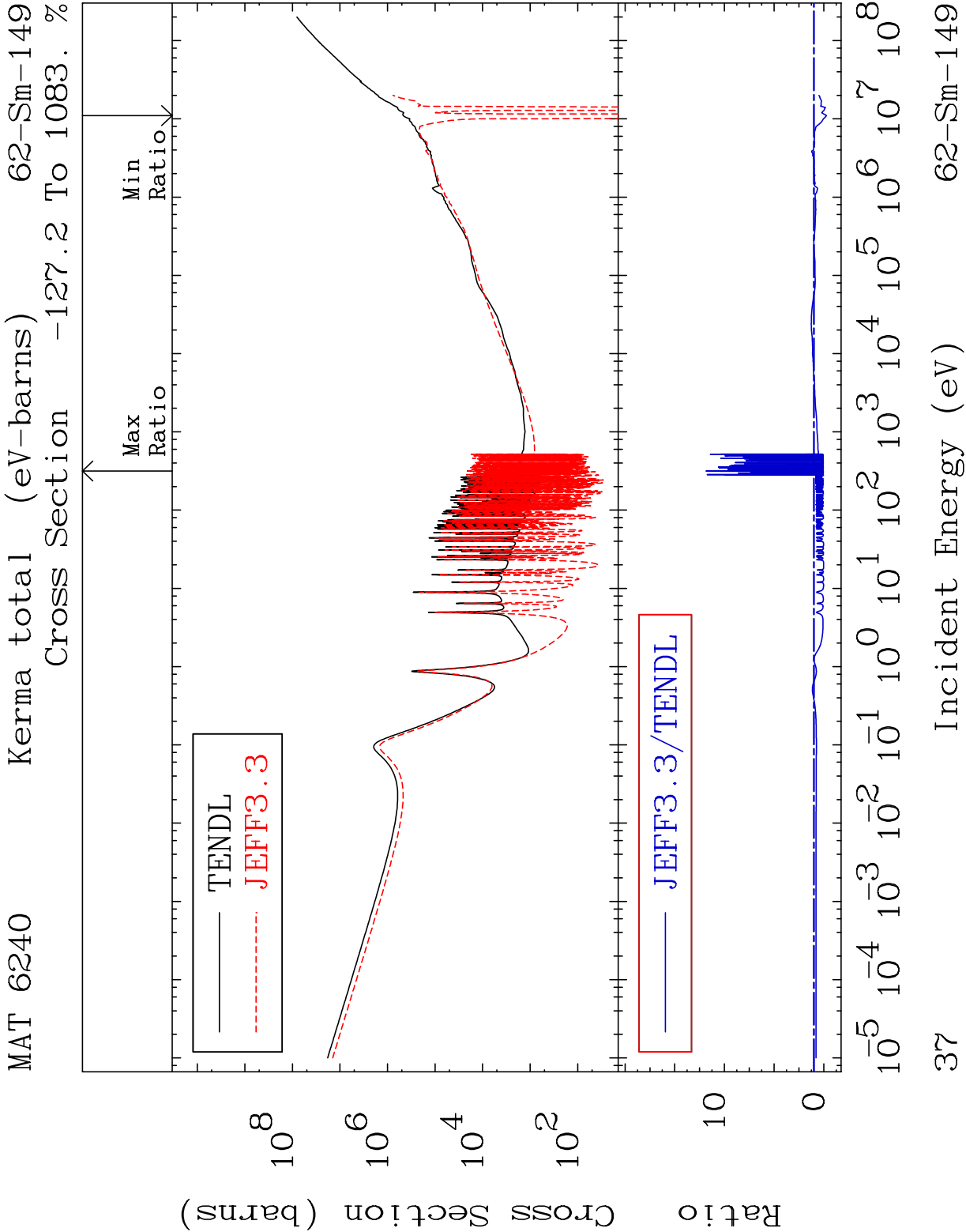




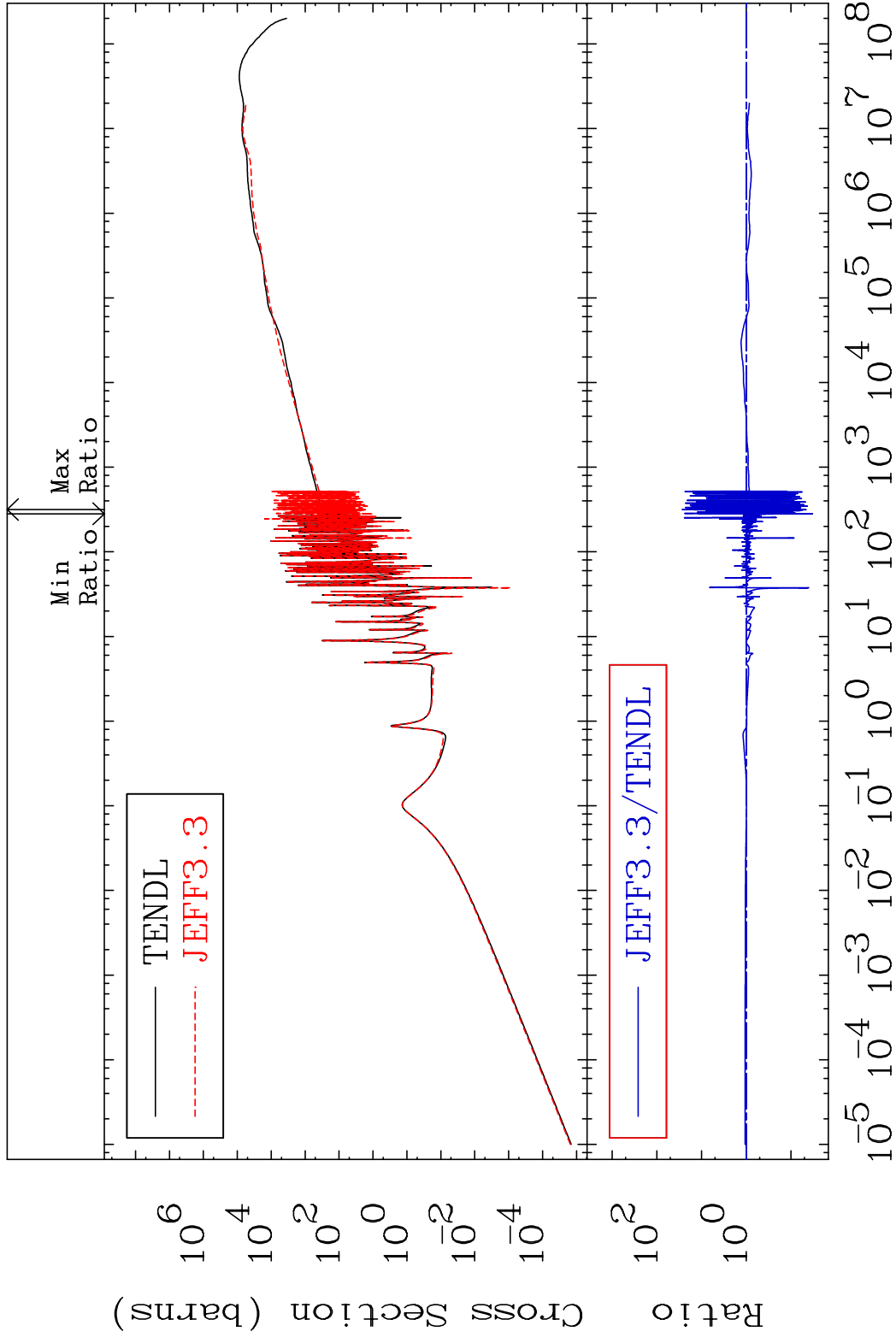




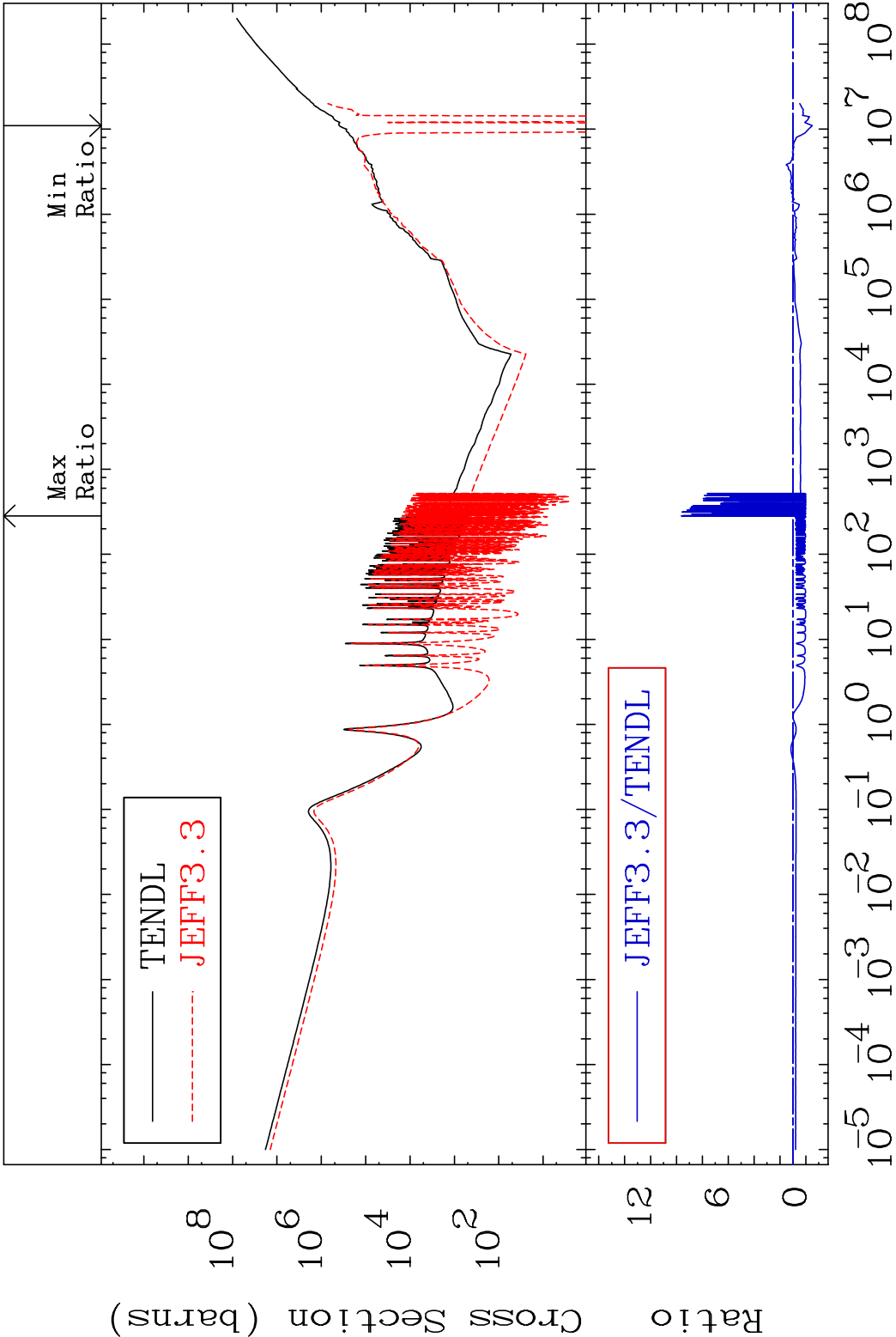




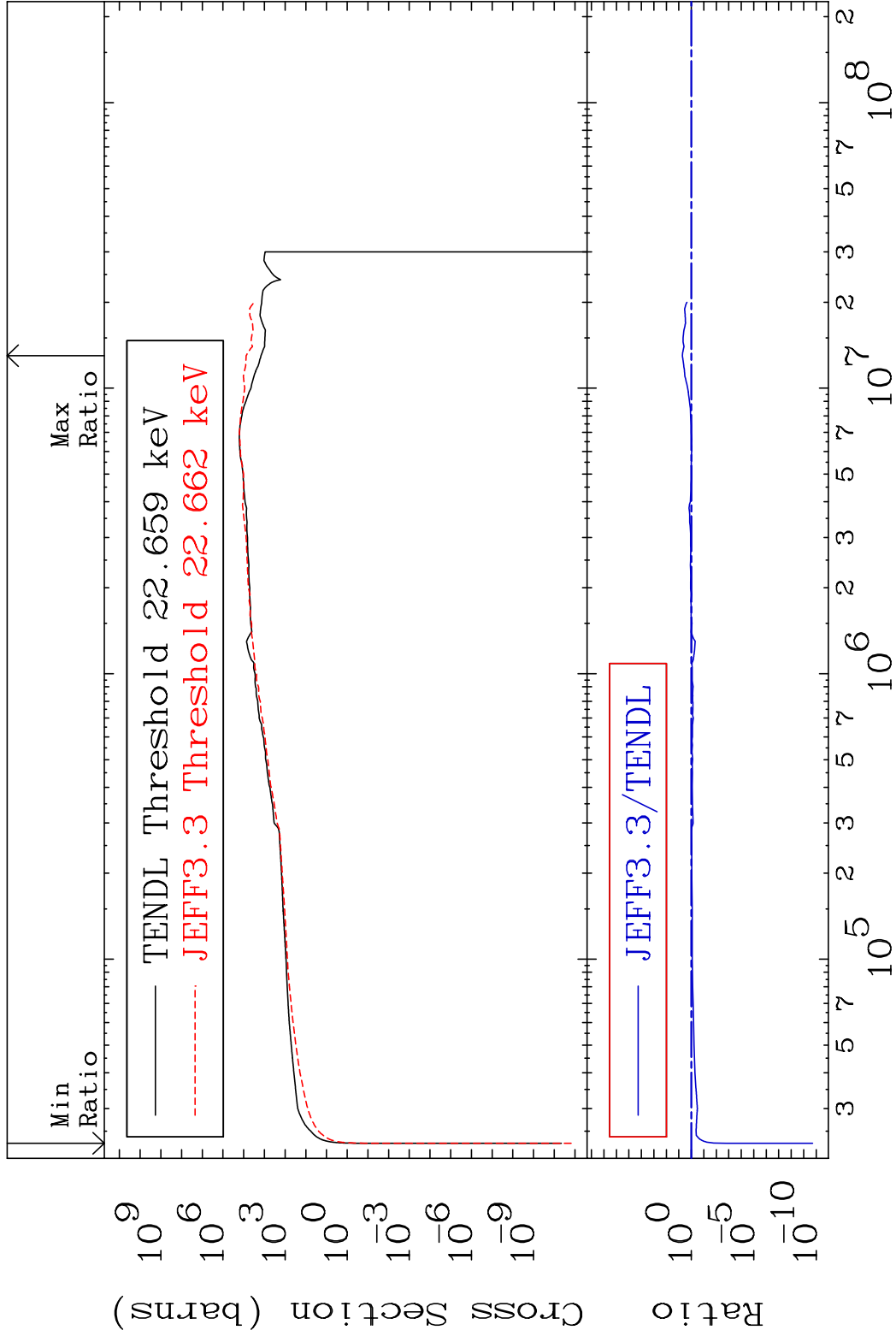
MAT 6240 Kerma elastic 62-Sm-149
Cross Section -96.70 To 2593. %



MAT 6240 Kerma non-elastic (all but mt2) 62-Sm-149
 Cross Section -149.6 To 860.6 %

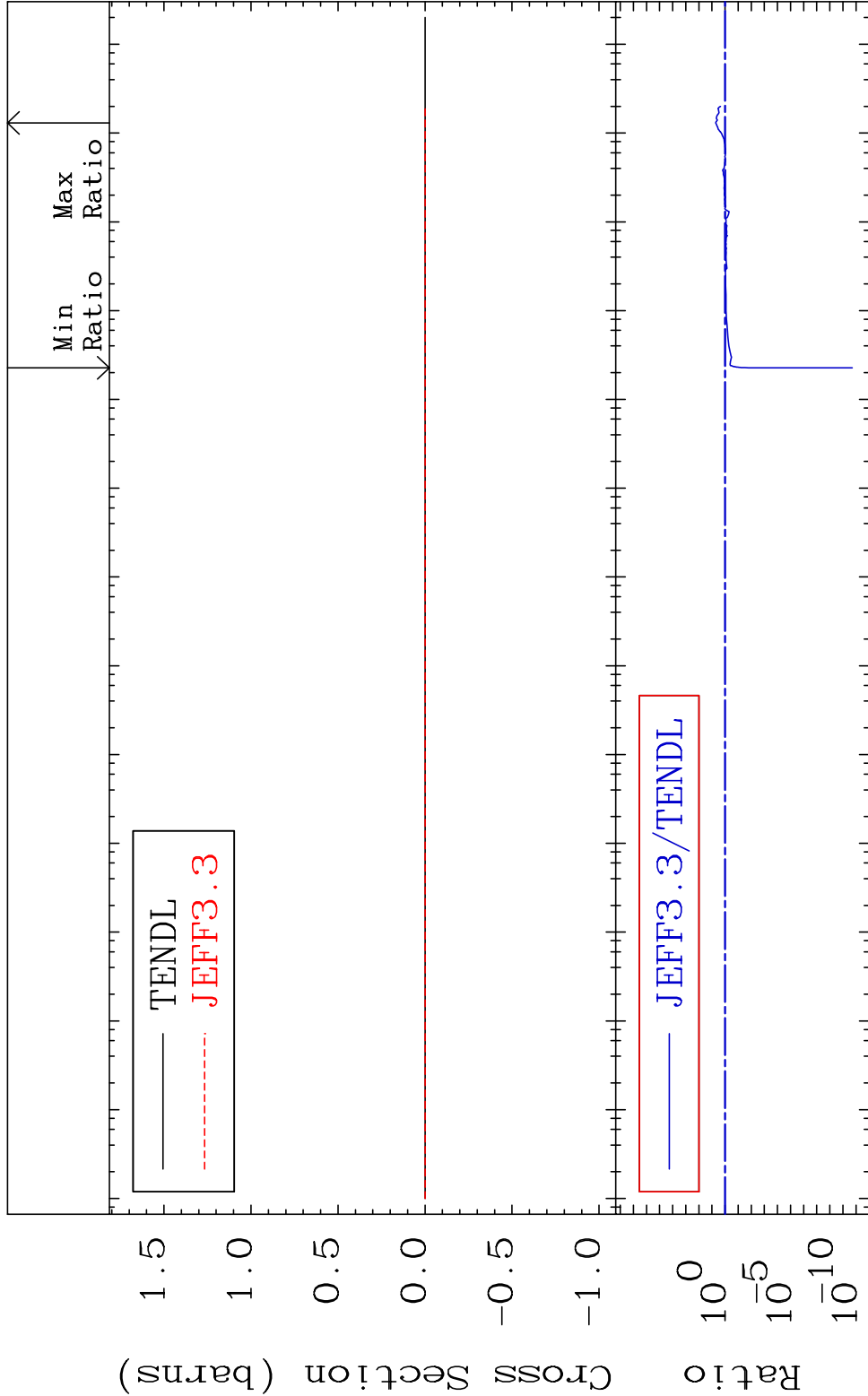


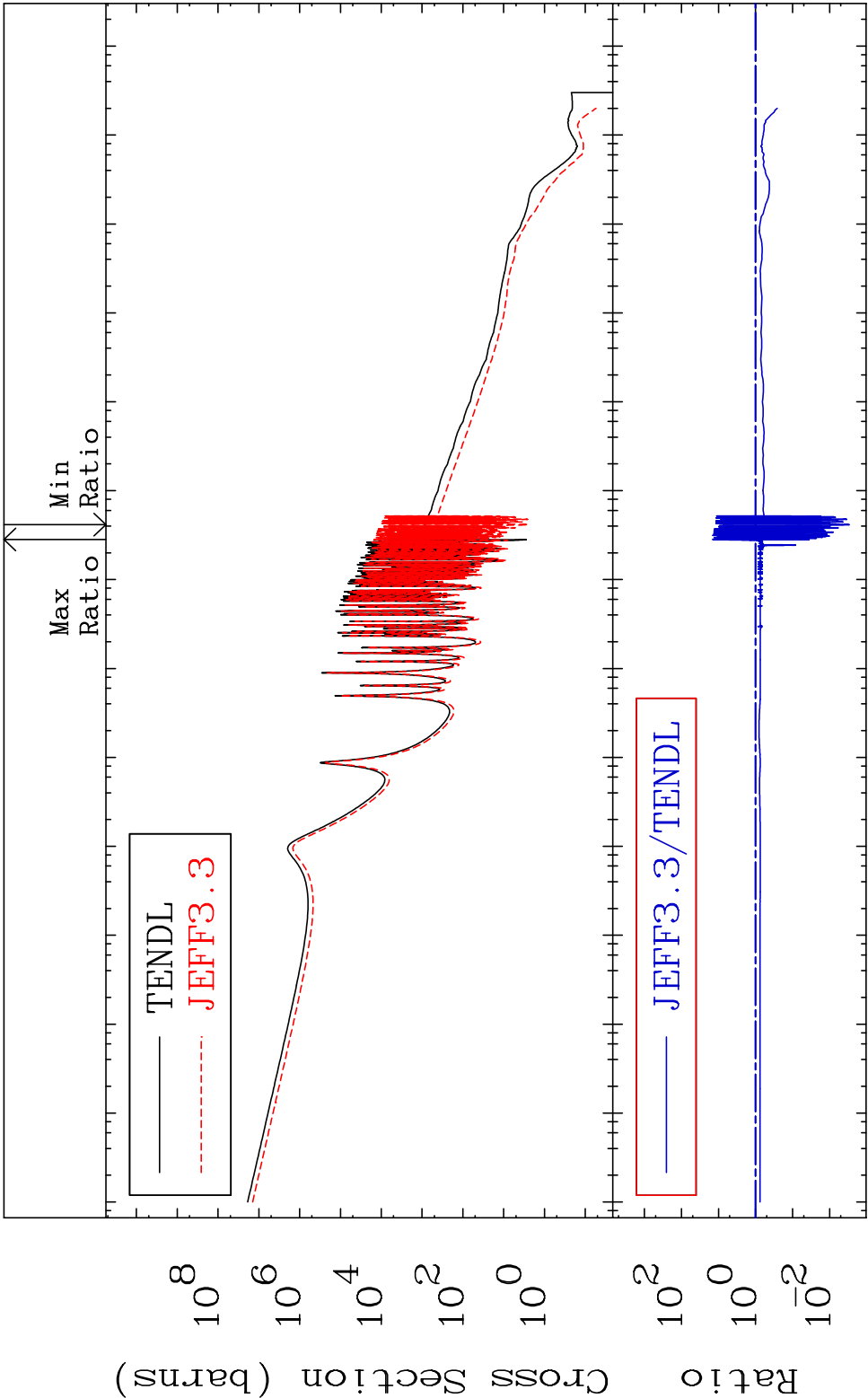
MAT 6240 Kerma inelastic (mt51-91) 62-Sm-149
Cross Section -100.0 To 423.3 %



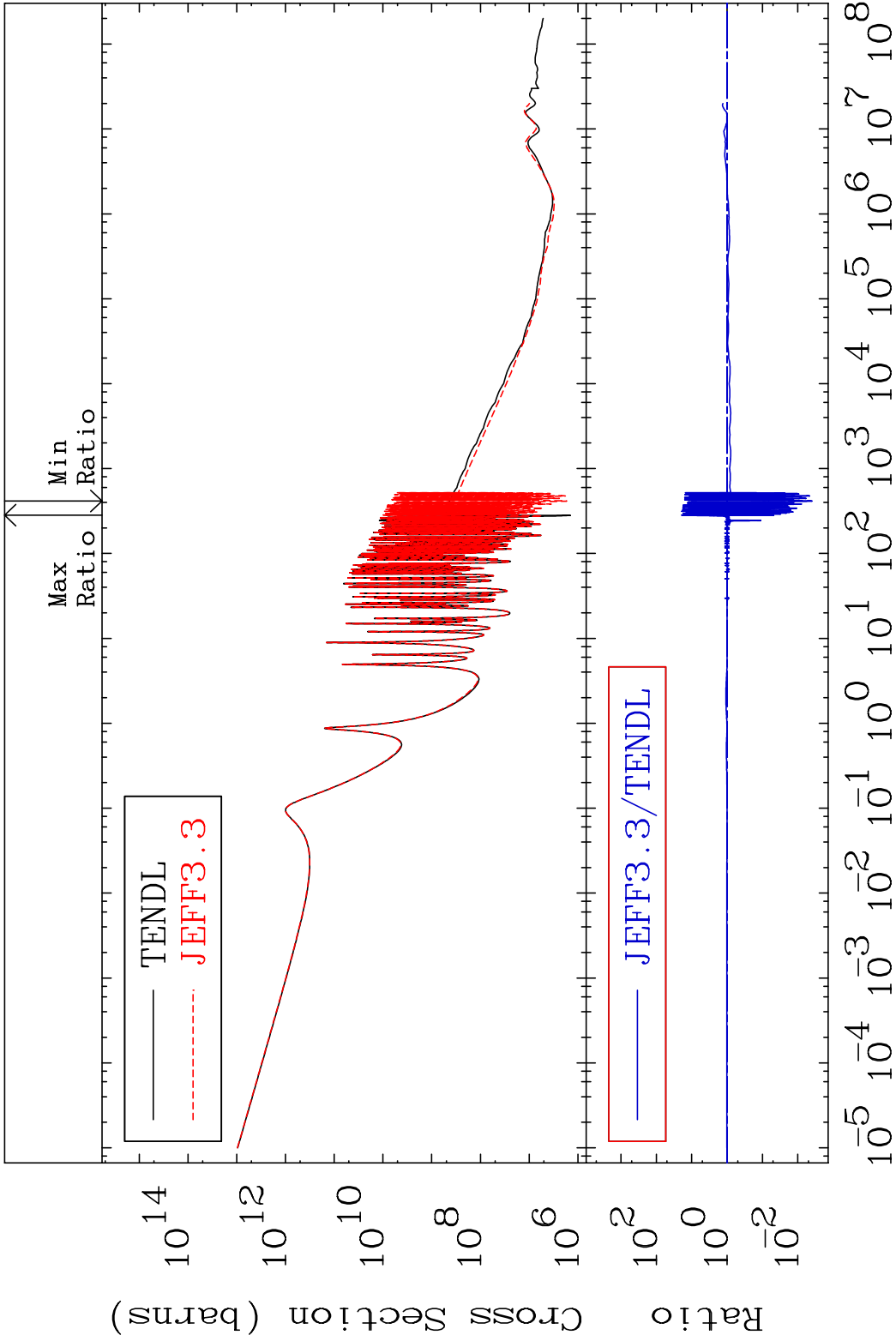
MAT 6240 Kerma fission (mt18 or mt19-20-21-38)62-Sm-149

Cross Section -100.0 To 423.3 %



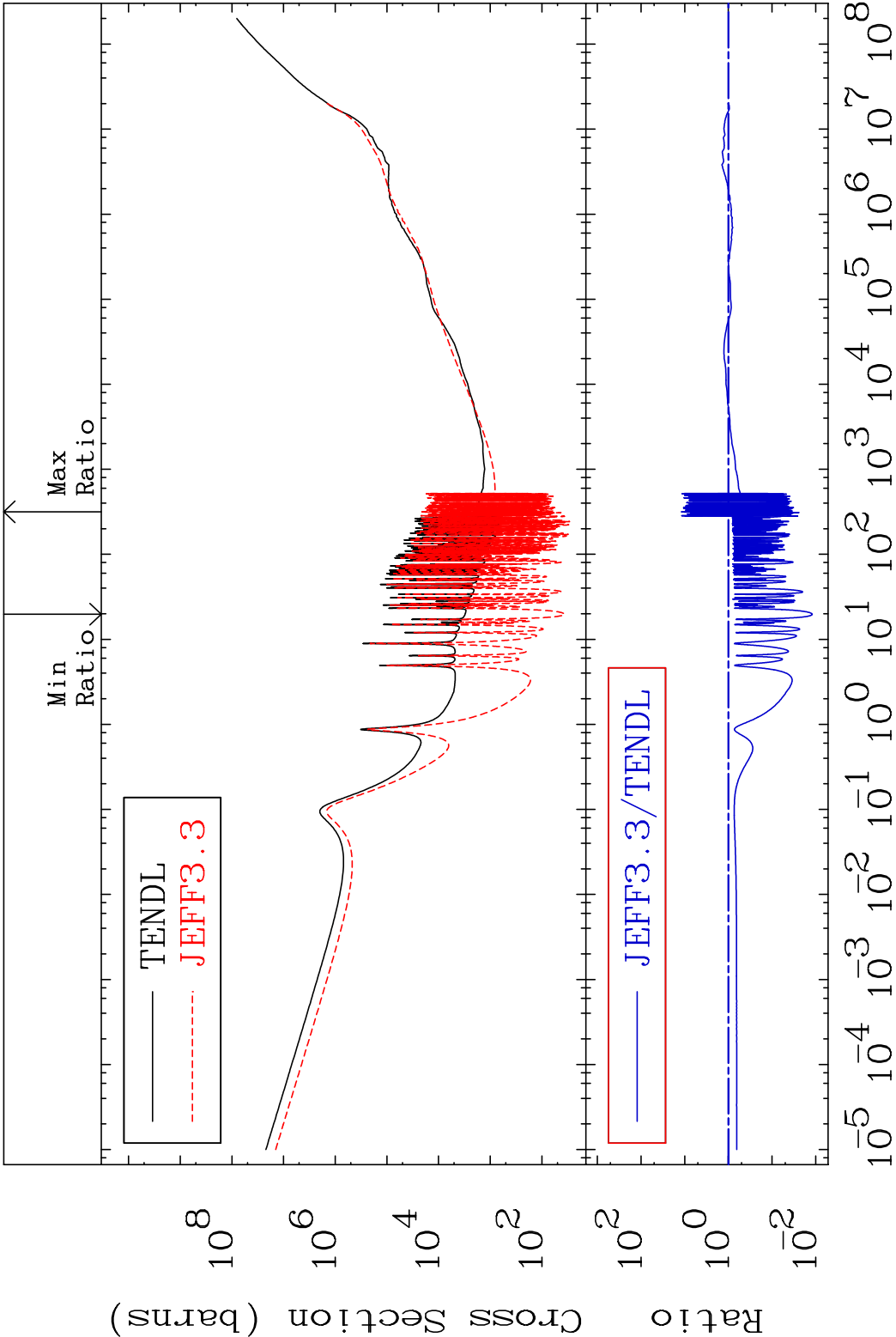


MAT 6240 Total photon (eV-barns) 62-Sm-149
Cross Section -99.61 To 1810. %

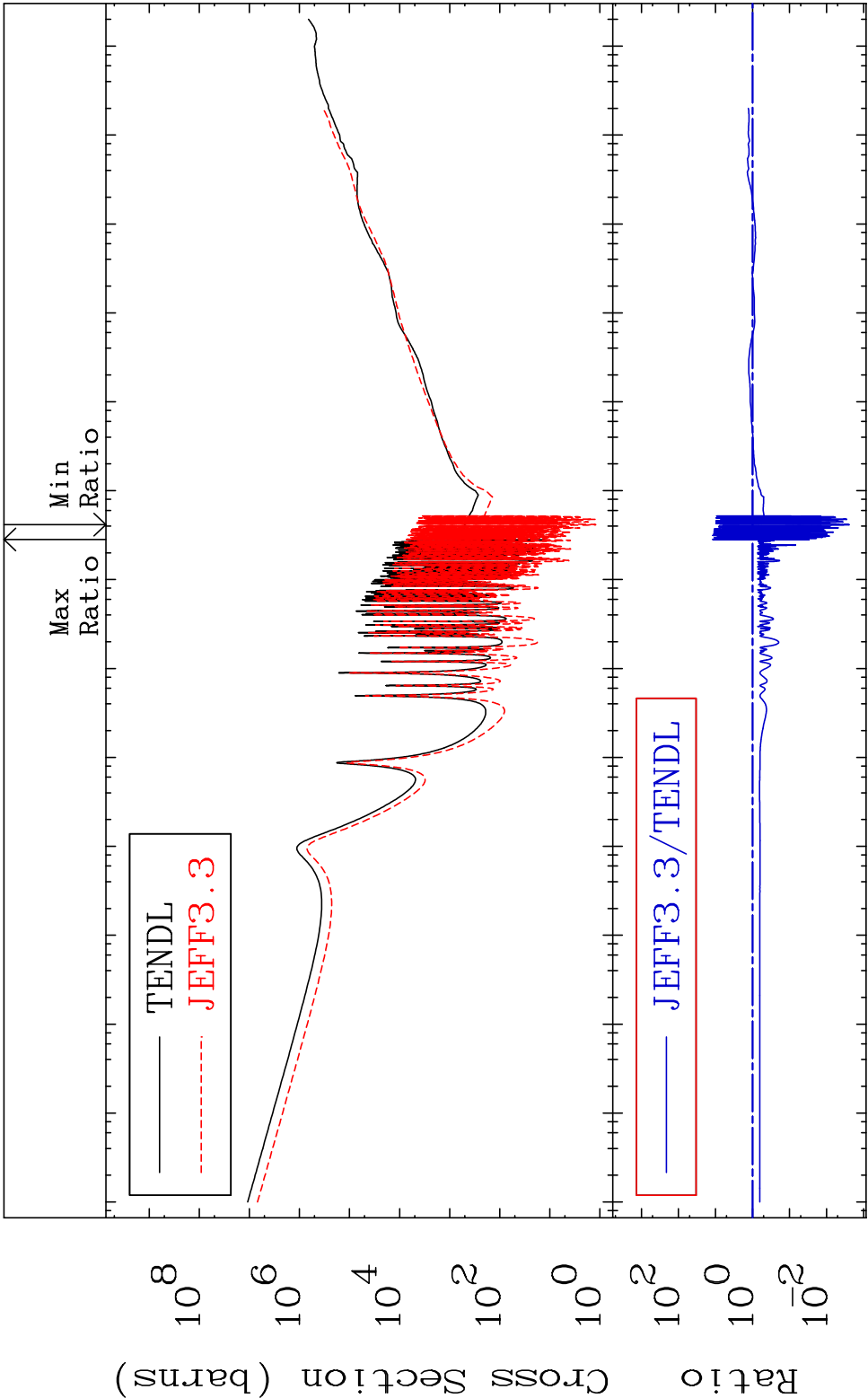


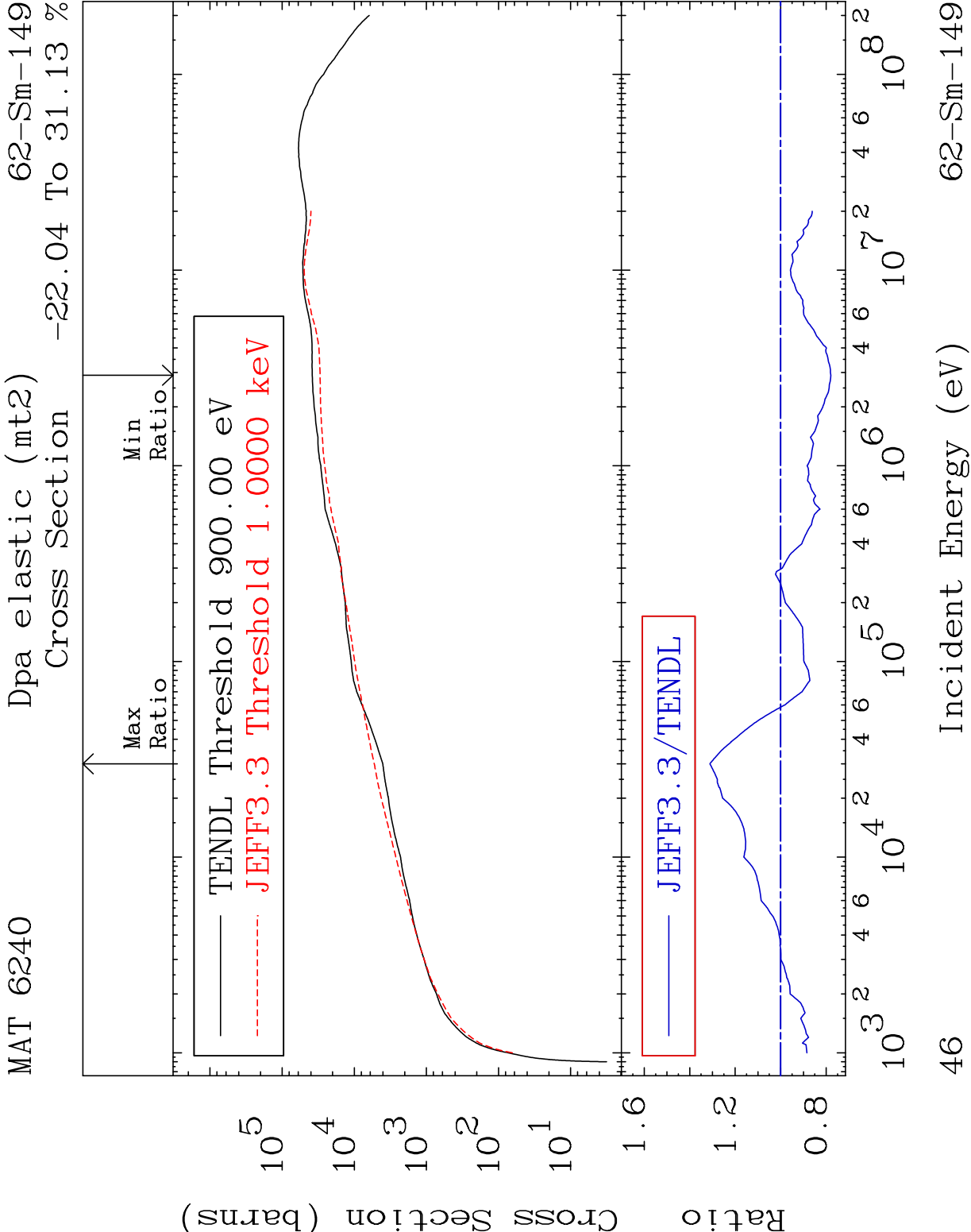
43 Incident Energy (eV) 62-Sm-149

MAT 6240 Total kinematic kerma (high limit) 62-Sm-149
Cross Section -98.80 To 1081. %

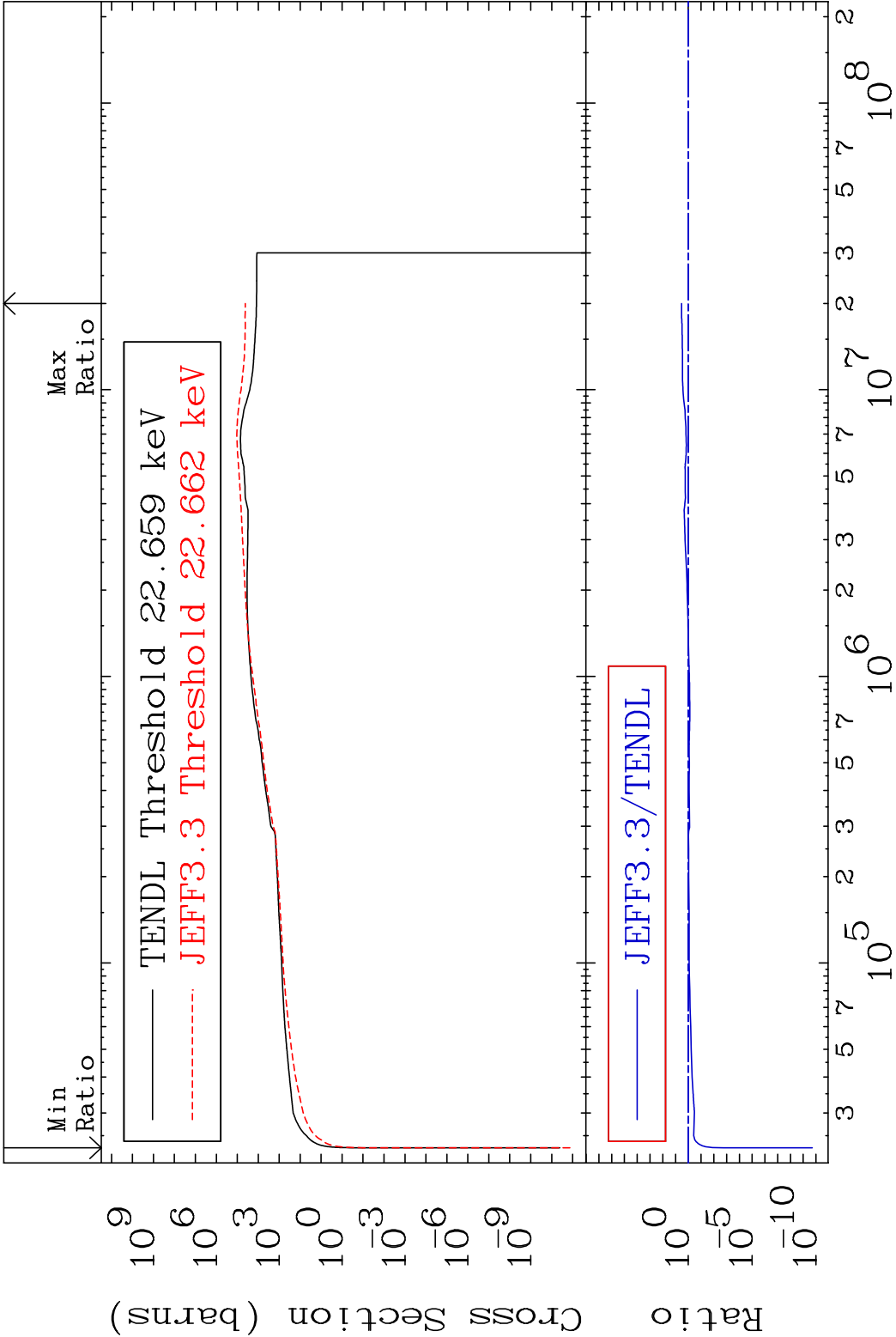


MAT 6240	Dpa total (eV-barns)	62-Sm-149
	Cross Section	-99.76 To 1078. %

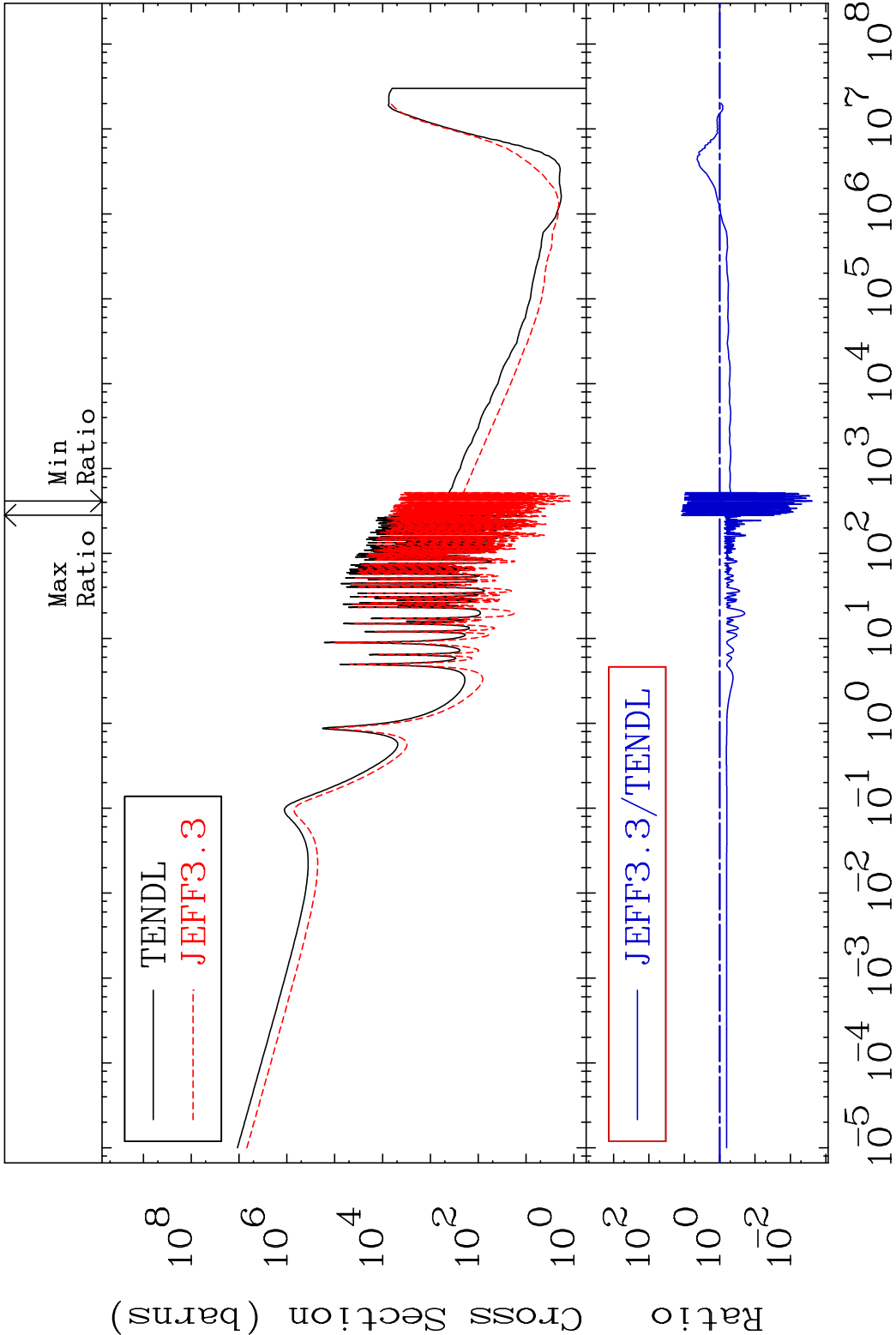




MAT 6240 Dpa inelastic (mt51-91) 62-Sm-149
Cross Section -100.0 To 238.5 %



MAT 6240 Dpa disappearance (mt102 -120) 62-Sm-149
Cross Section -99.76 To 1078. %



48 Incident Energy (eV) 62-Sm-149