

Program Complot
(Version 2021-1)

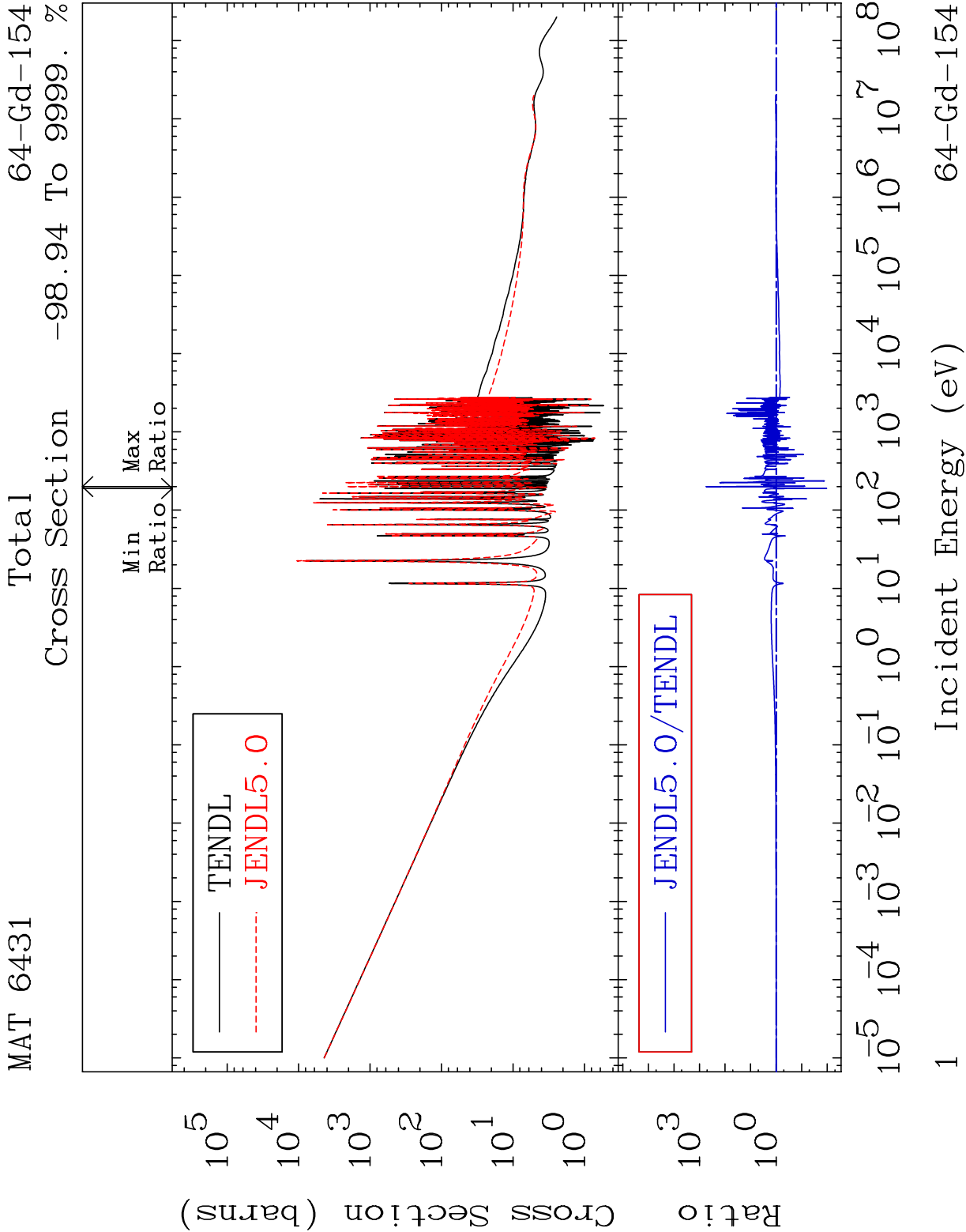
by

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(Present Contact Information)

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Press Mouse Button to Start

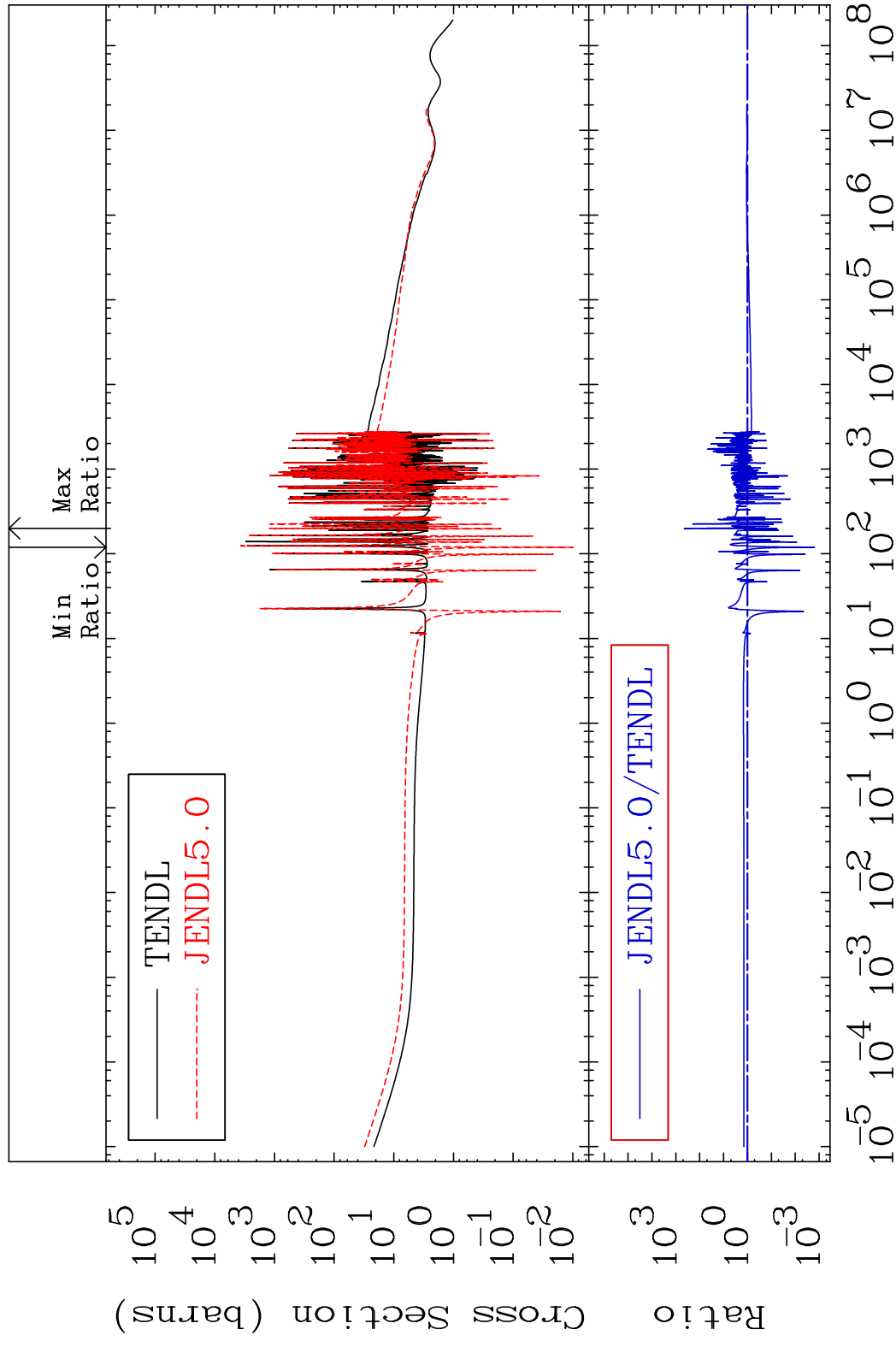


MAT 6431

Elastic

64-Gd-154

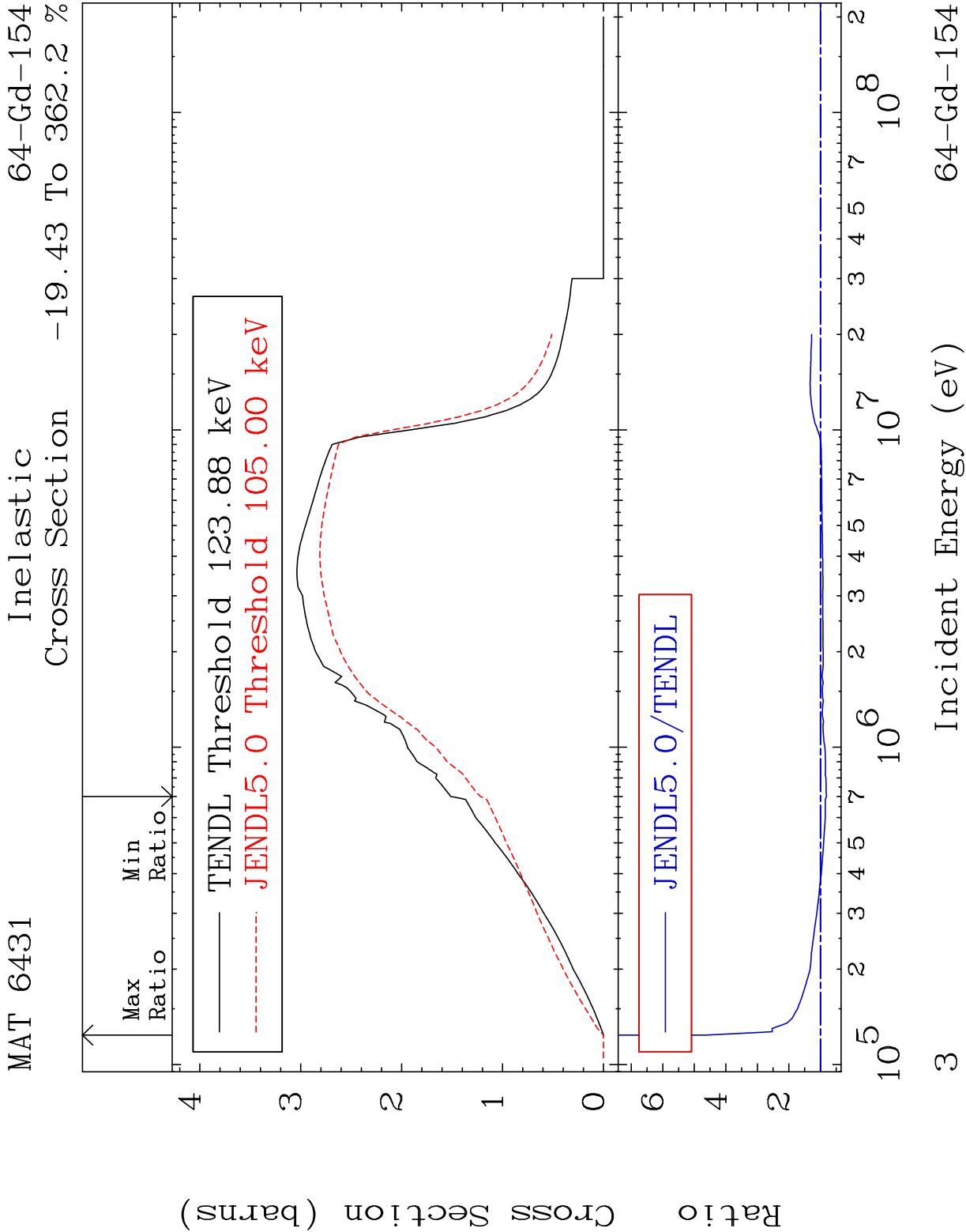
Cross Section -99.84 To 9999. %

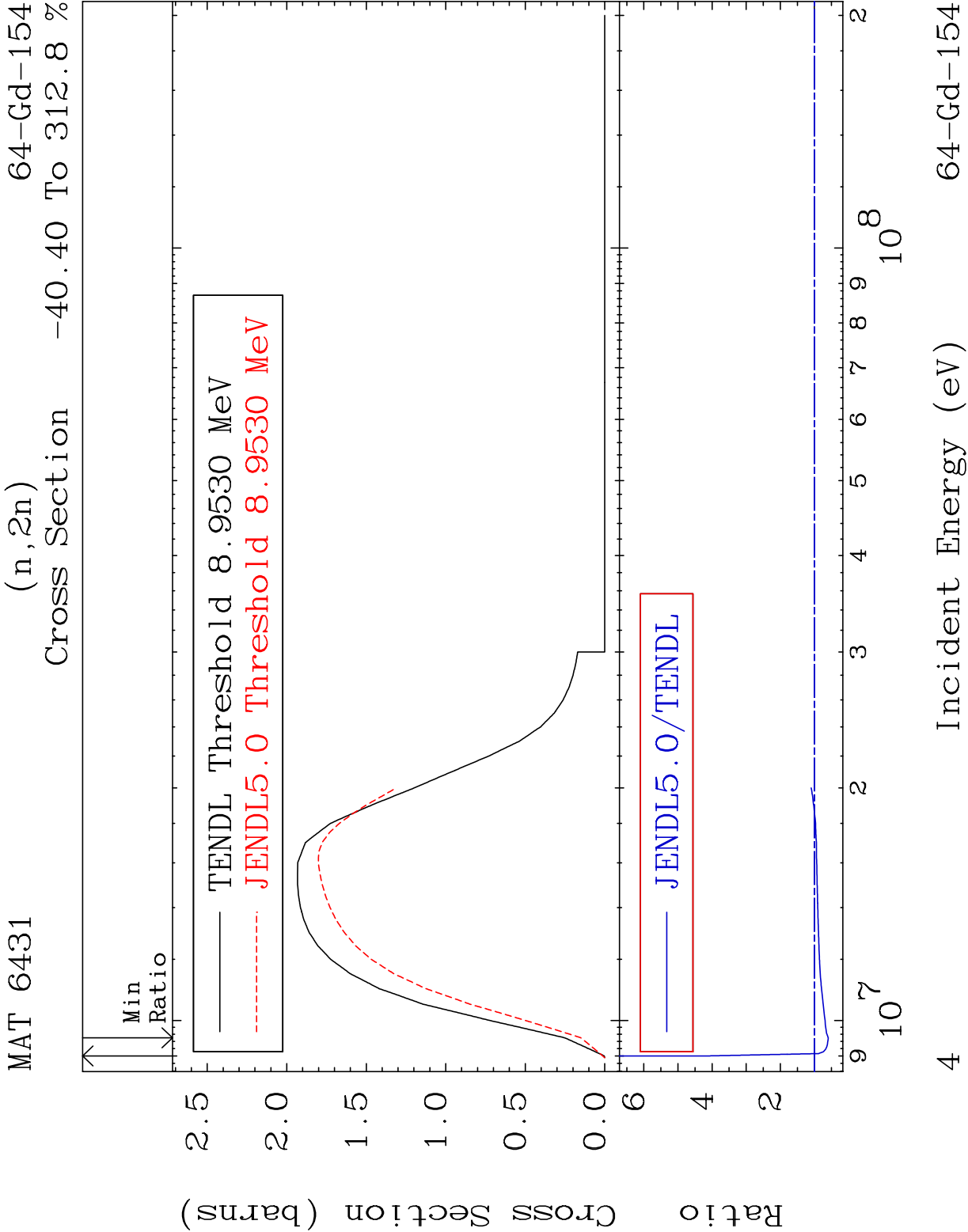


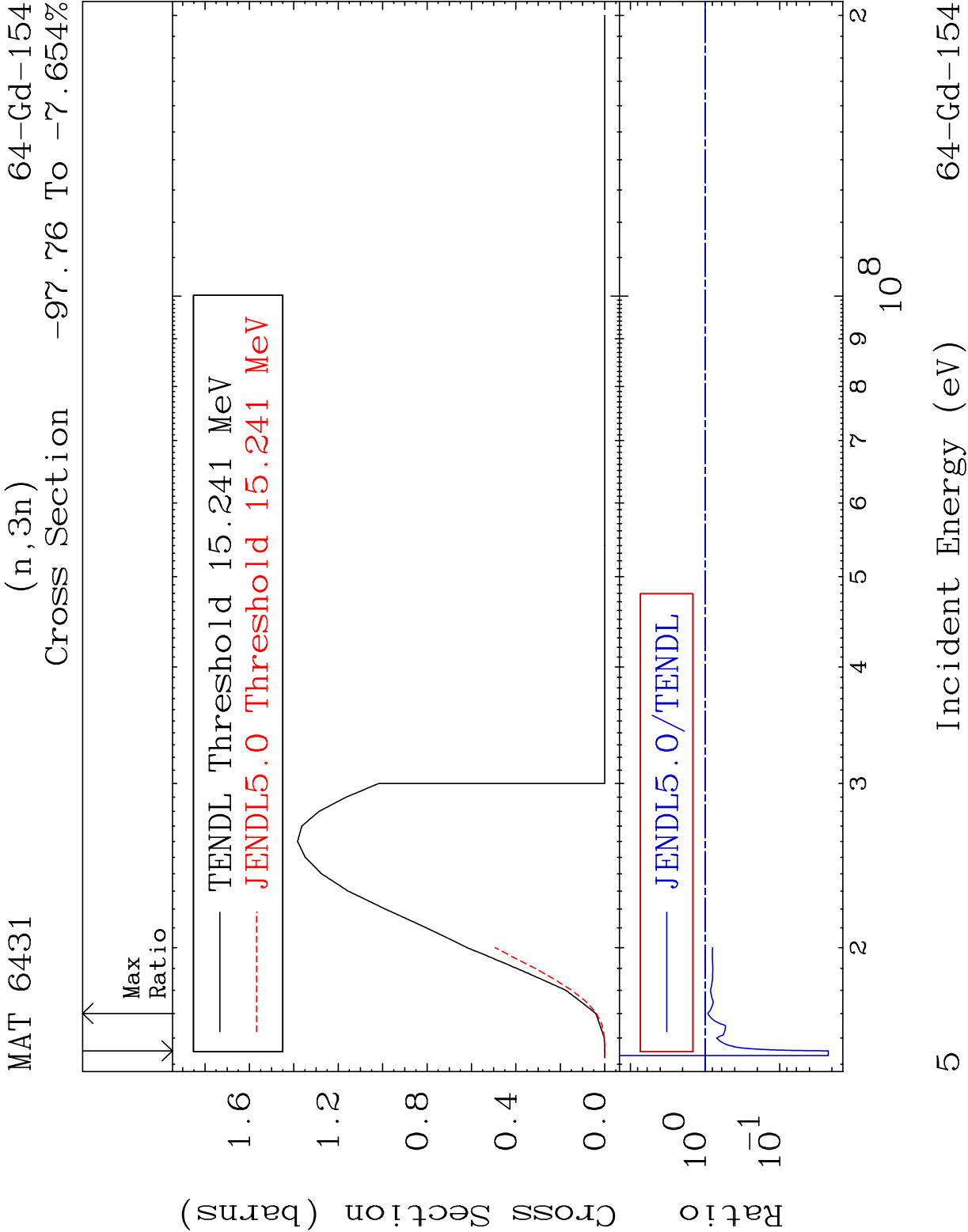
2

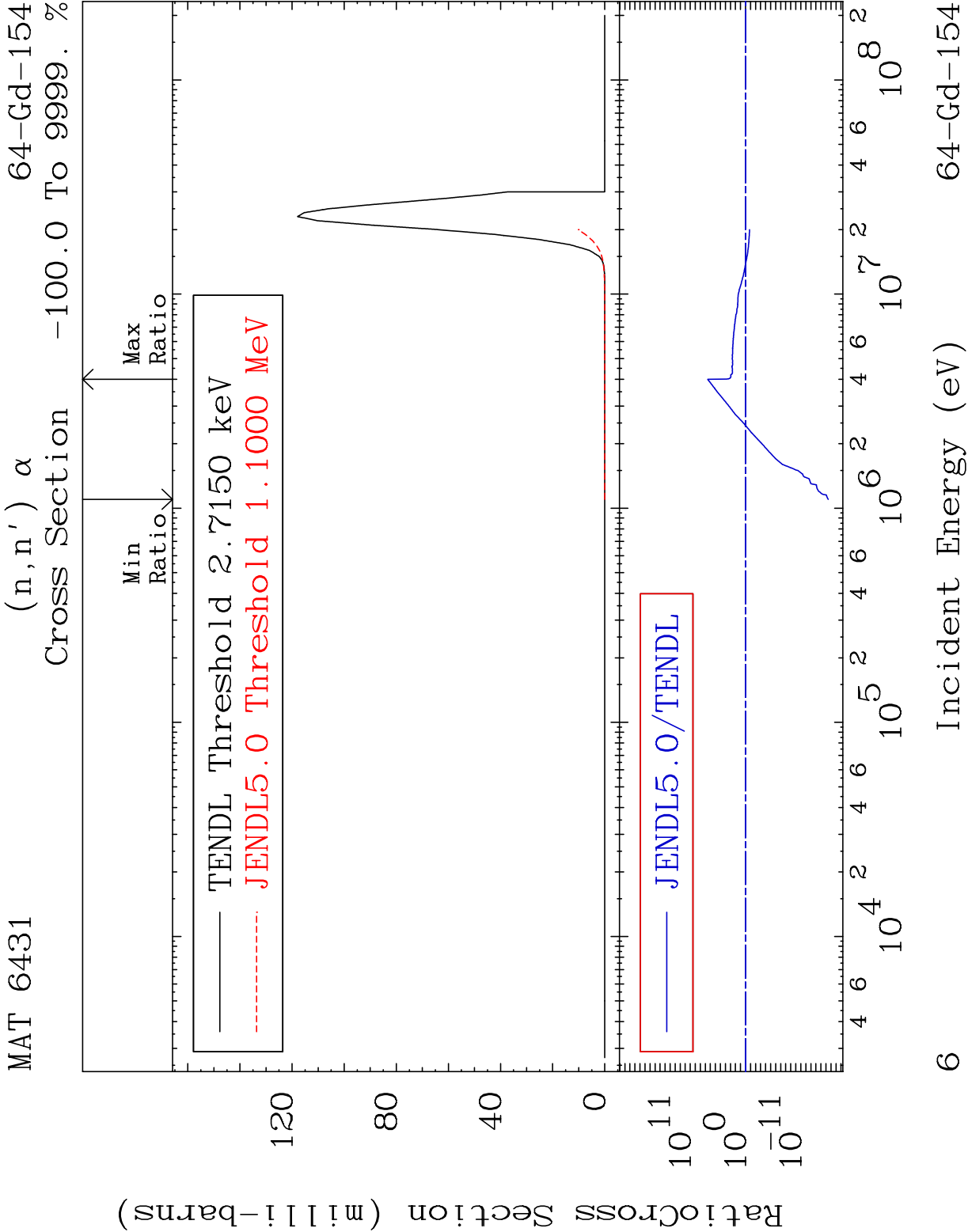
Incident Energy (eV)

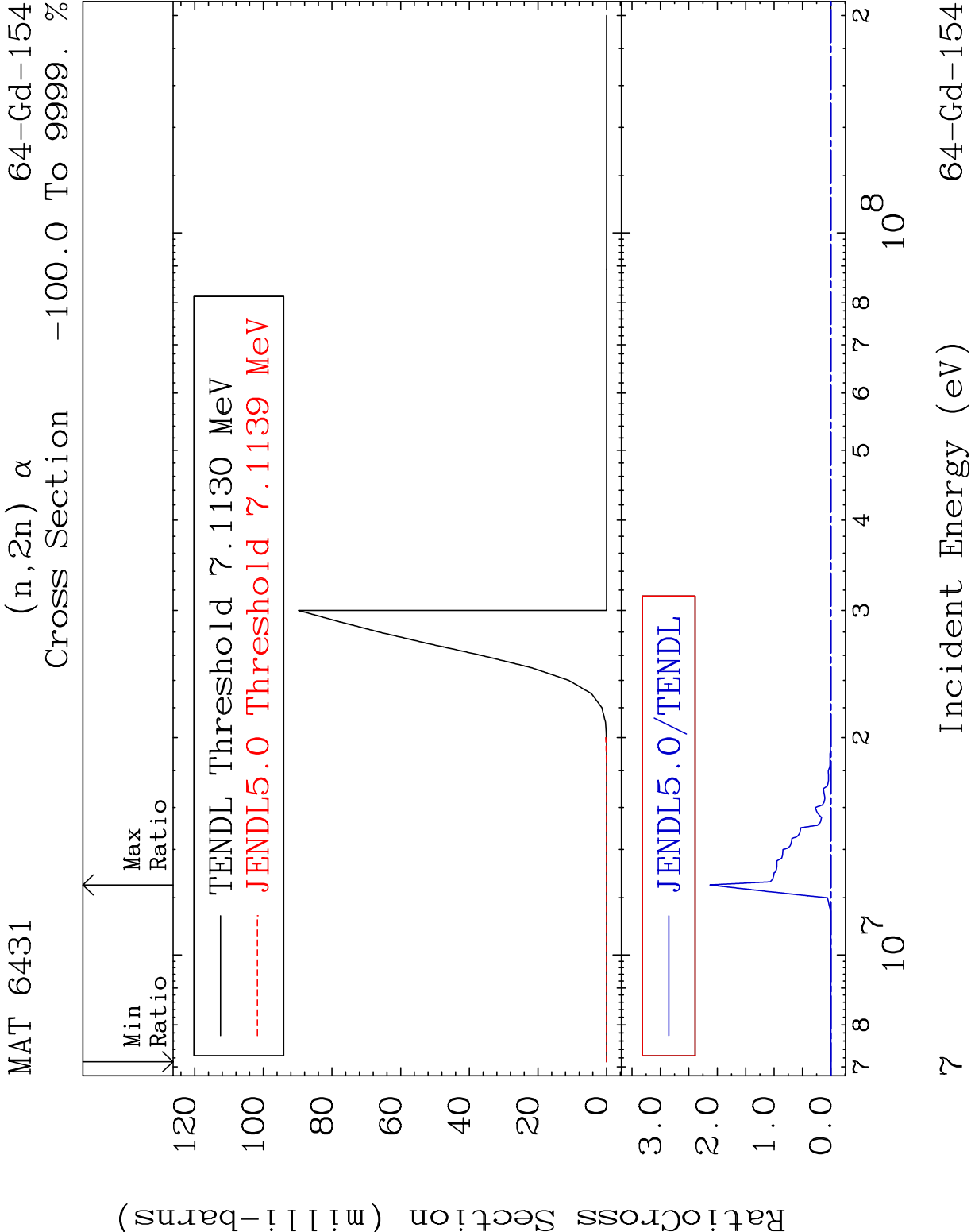
64-Gd-154

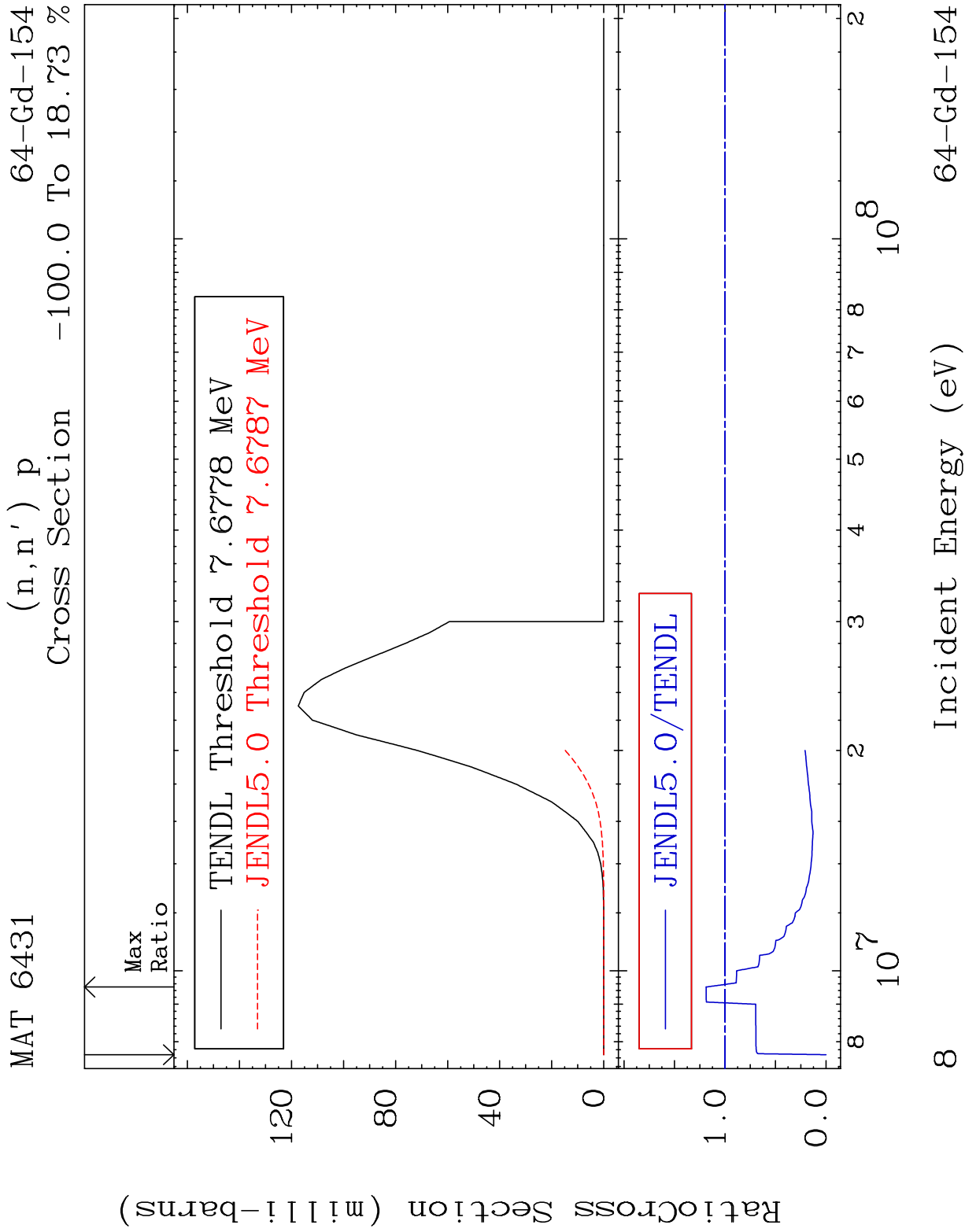


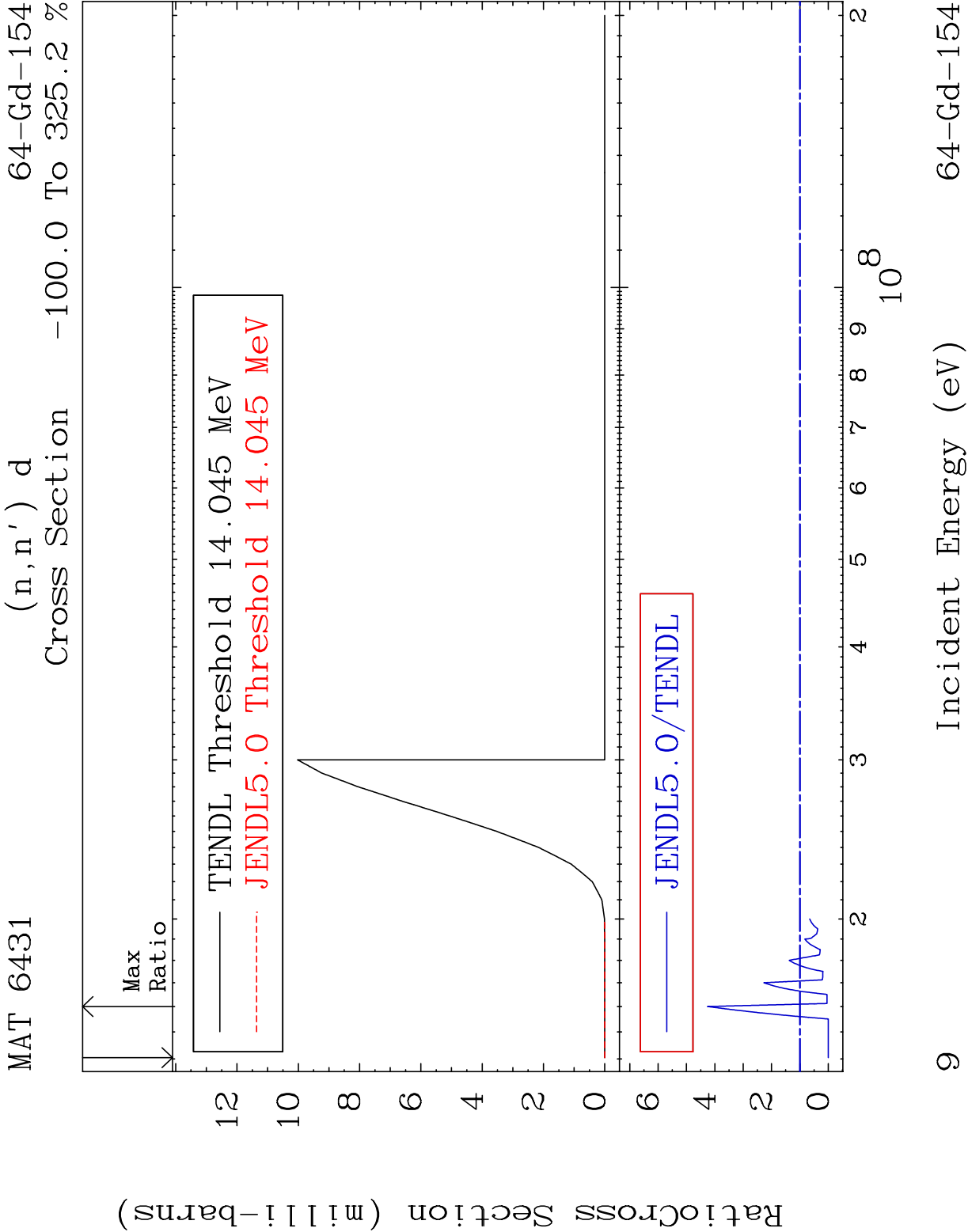




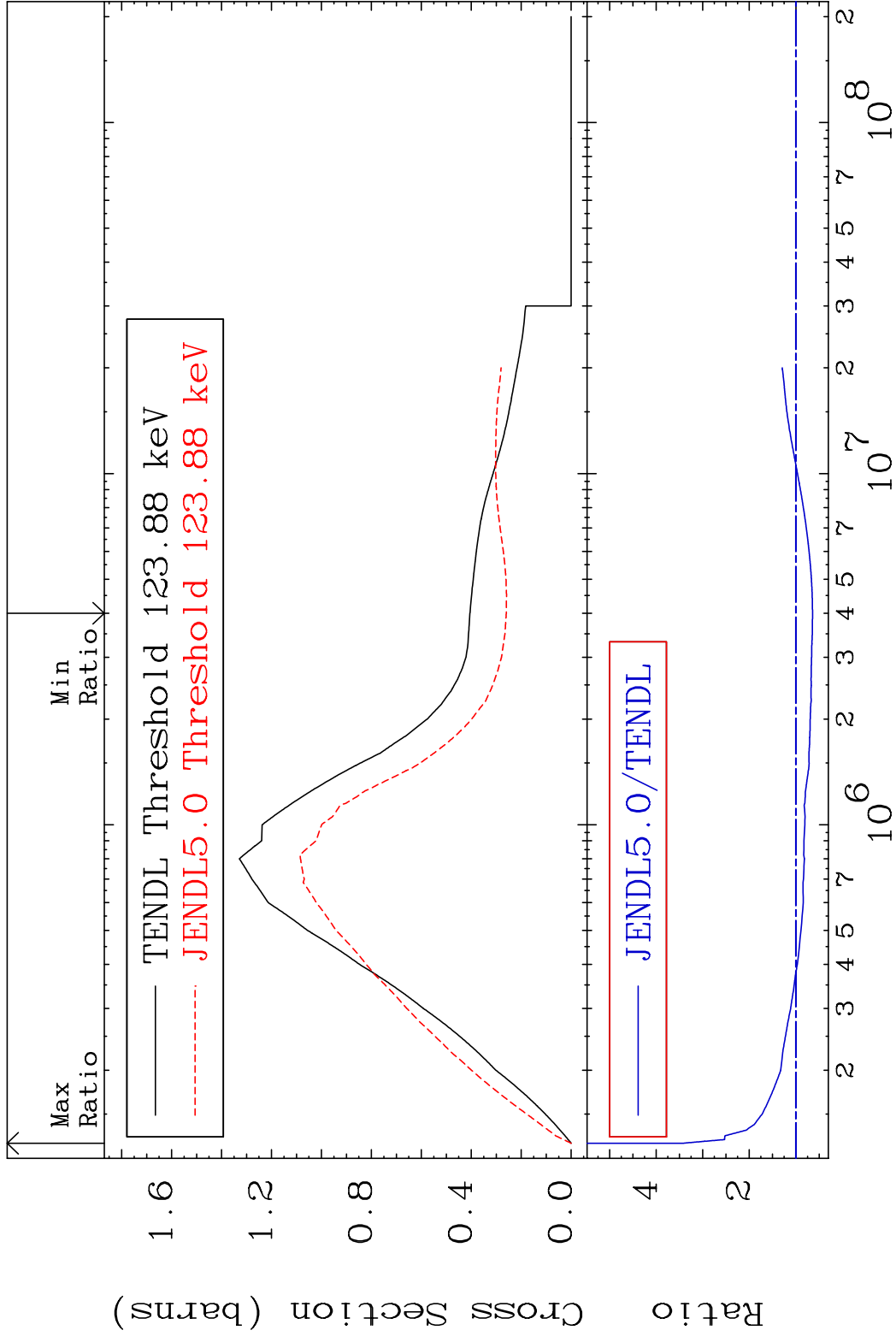




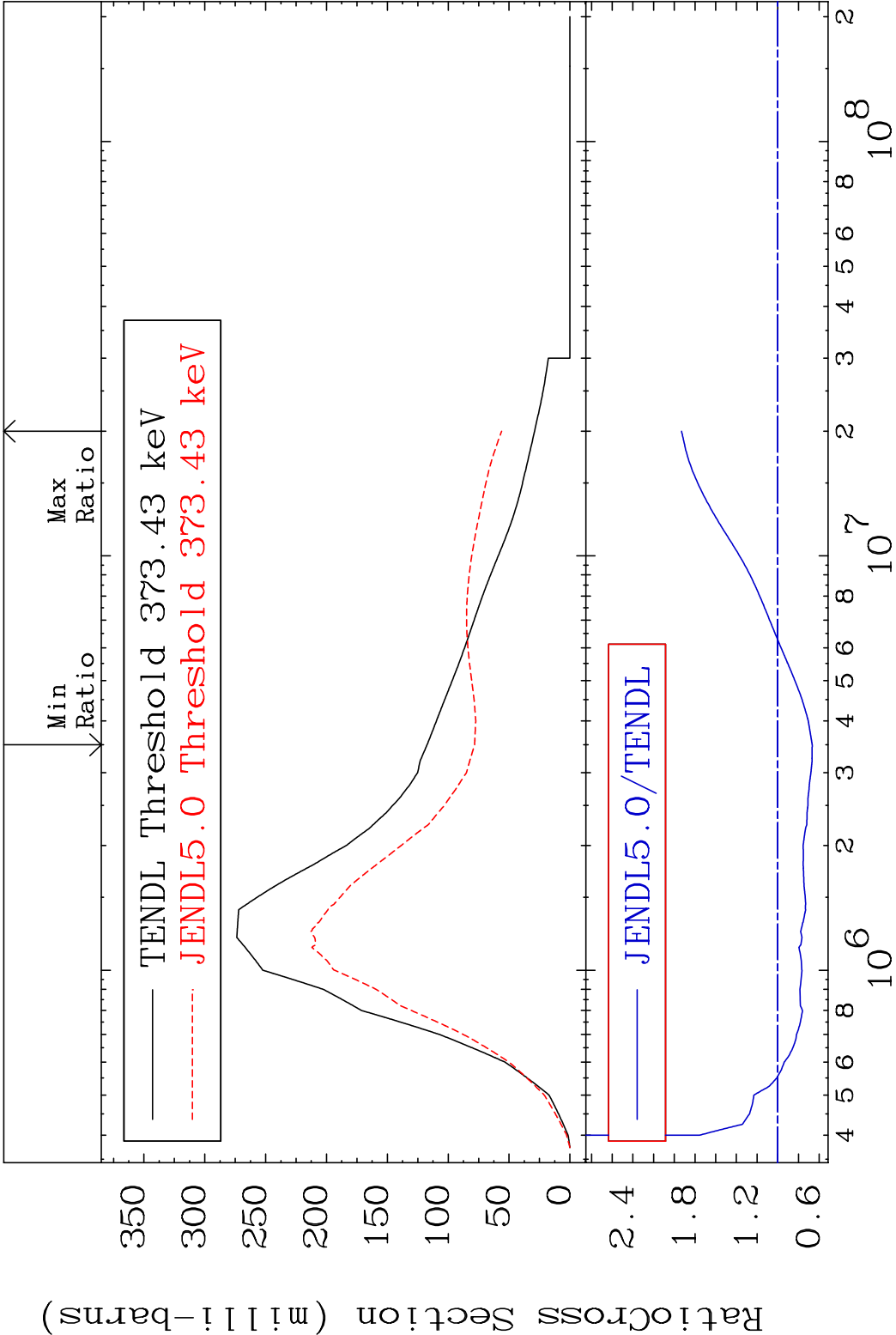


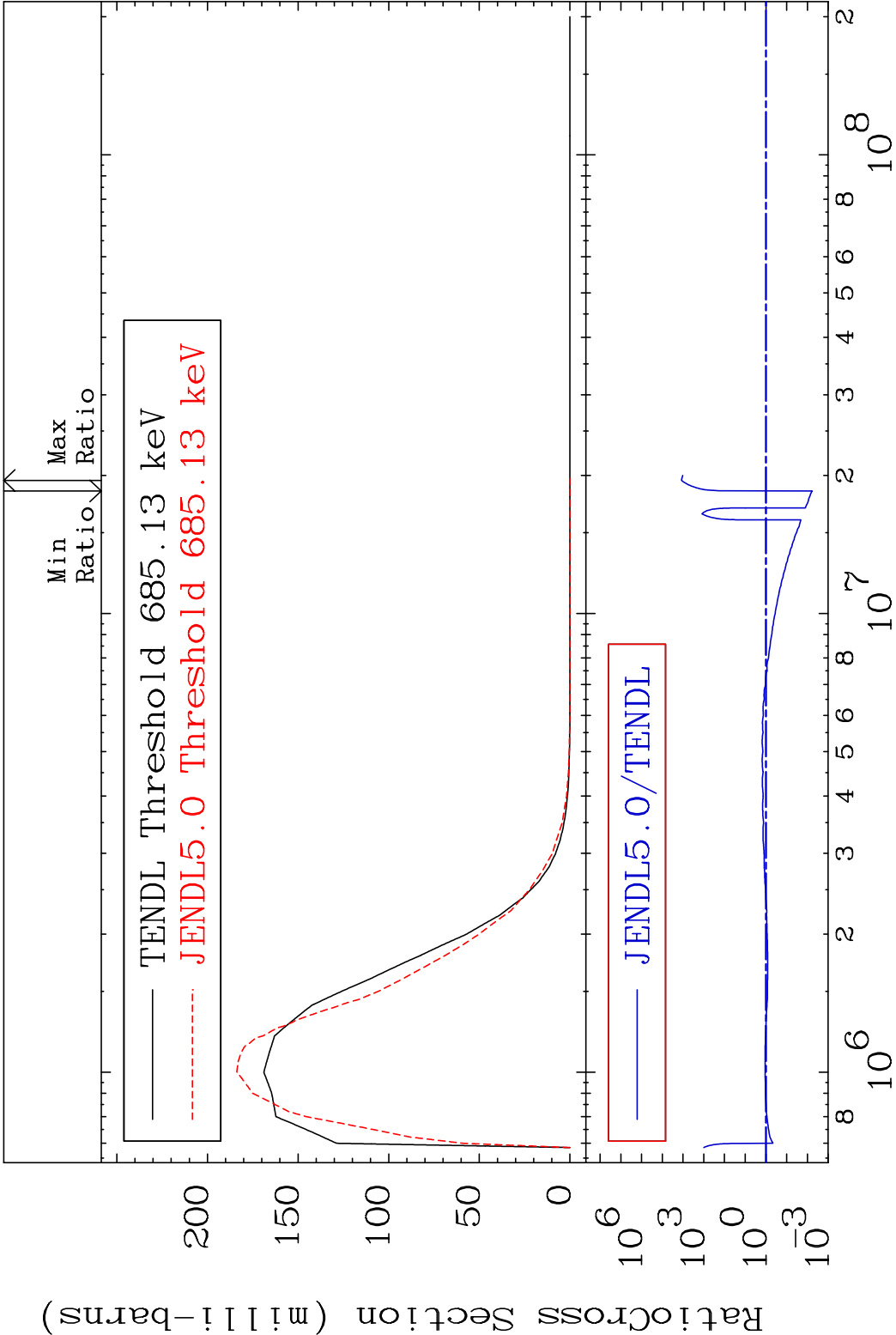


MAT 6431 MT= 51 (n,n') Level 64-Gd-154
Cross Section -35.90 To 243.8 %

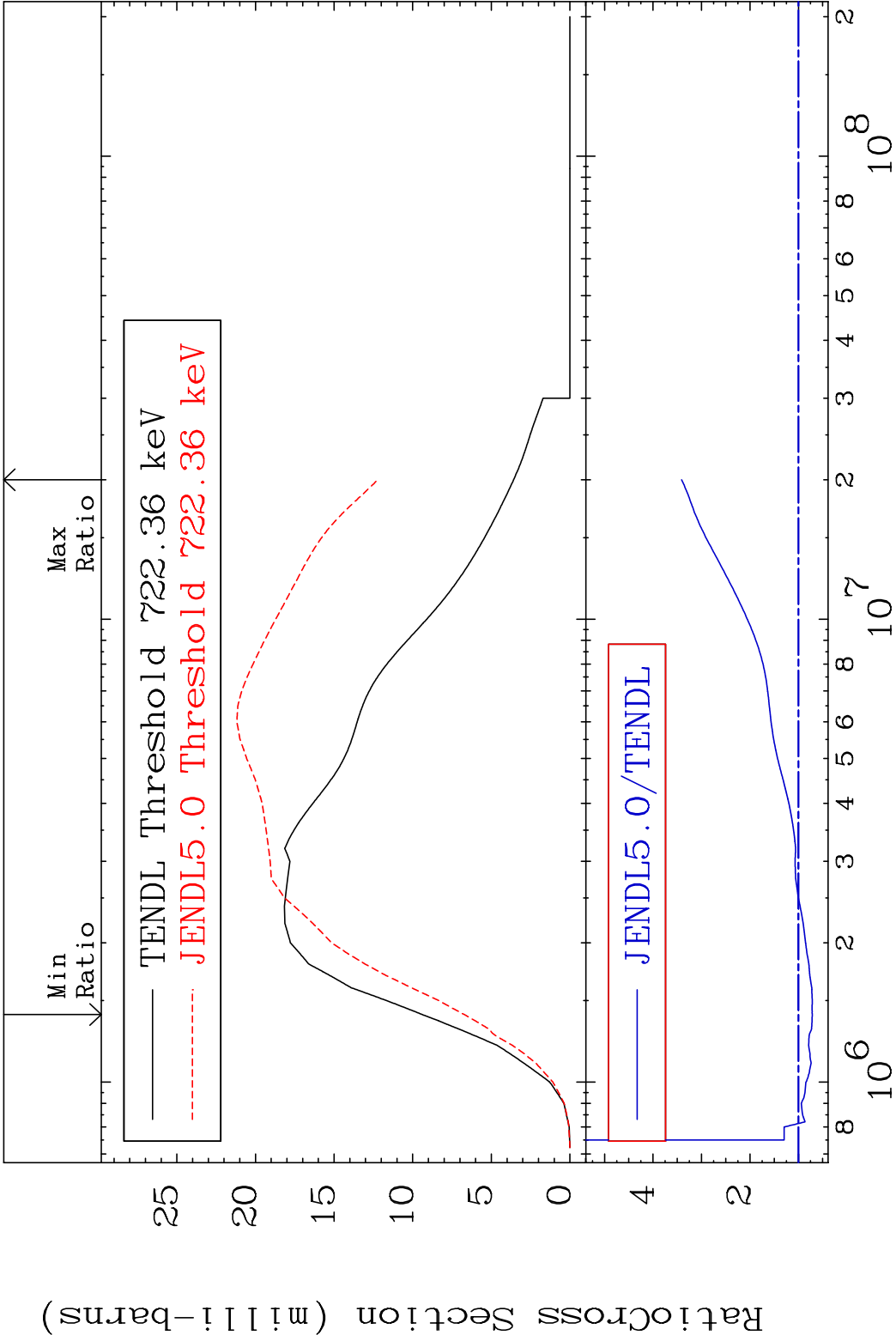


10 Incident Energy (eV) 64-Gd-154



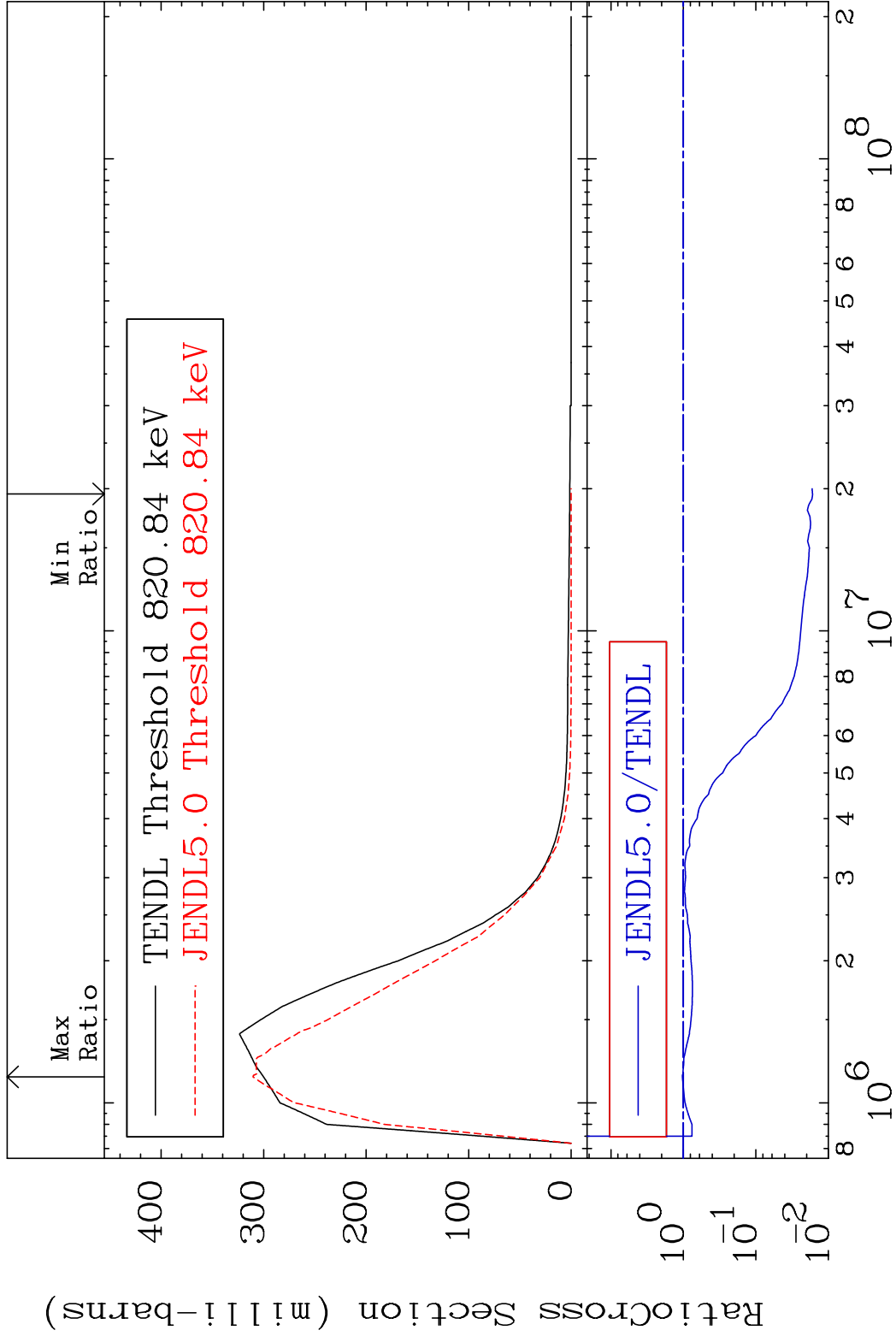


MAT 6431 MT= 54 (n,n') Level 64-Gd-154
Cross Section -28.47 To 241.2 %

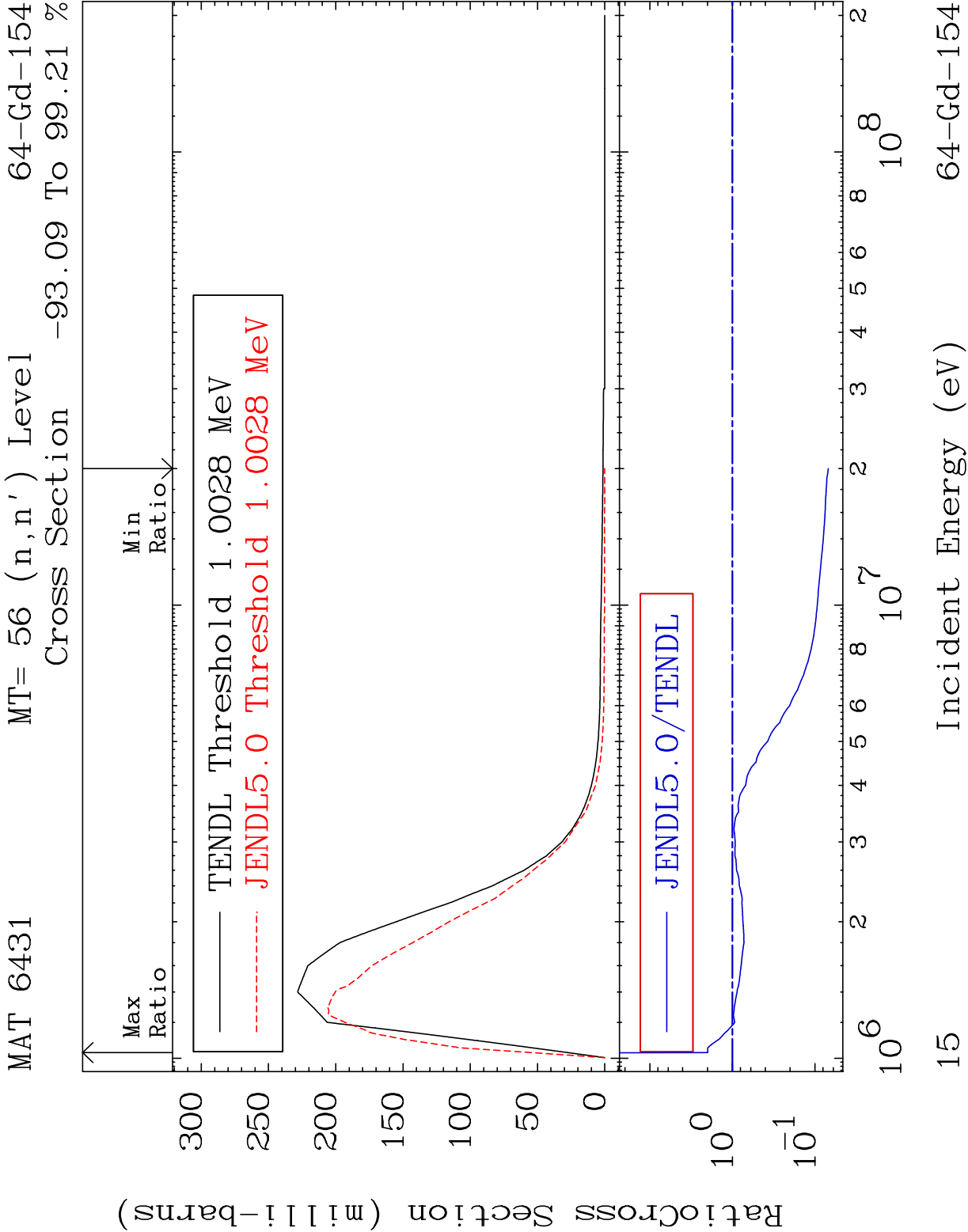


13 Incident Energy (eV) 64-Gd-154

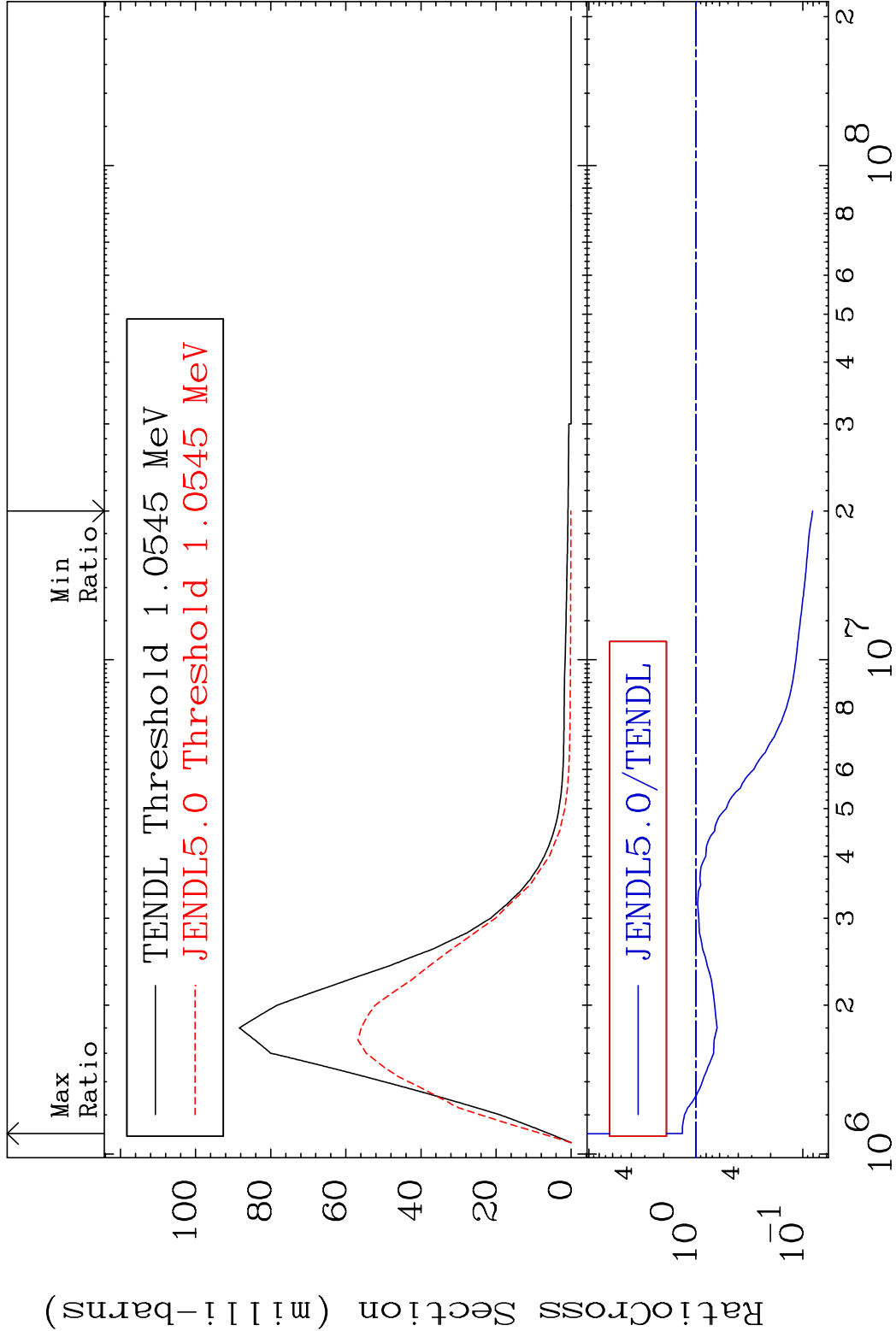
MAT 6431 MT= 55 (n,n') Level 64-Gd-154
Cross Section -98.35 To 3.399 %



14 Incident Energy (eV) 64-Gd-154



MAT 6431 MT= 57 (n,n') Level 64-Gd-154
Cross Section -91.91 To 33.58 %



16 Incident Energy (eV) 64-Gd-154

MAT 6431

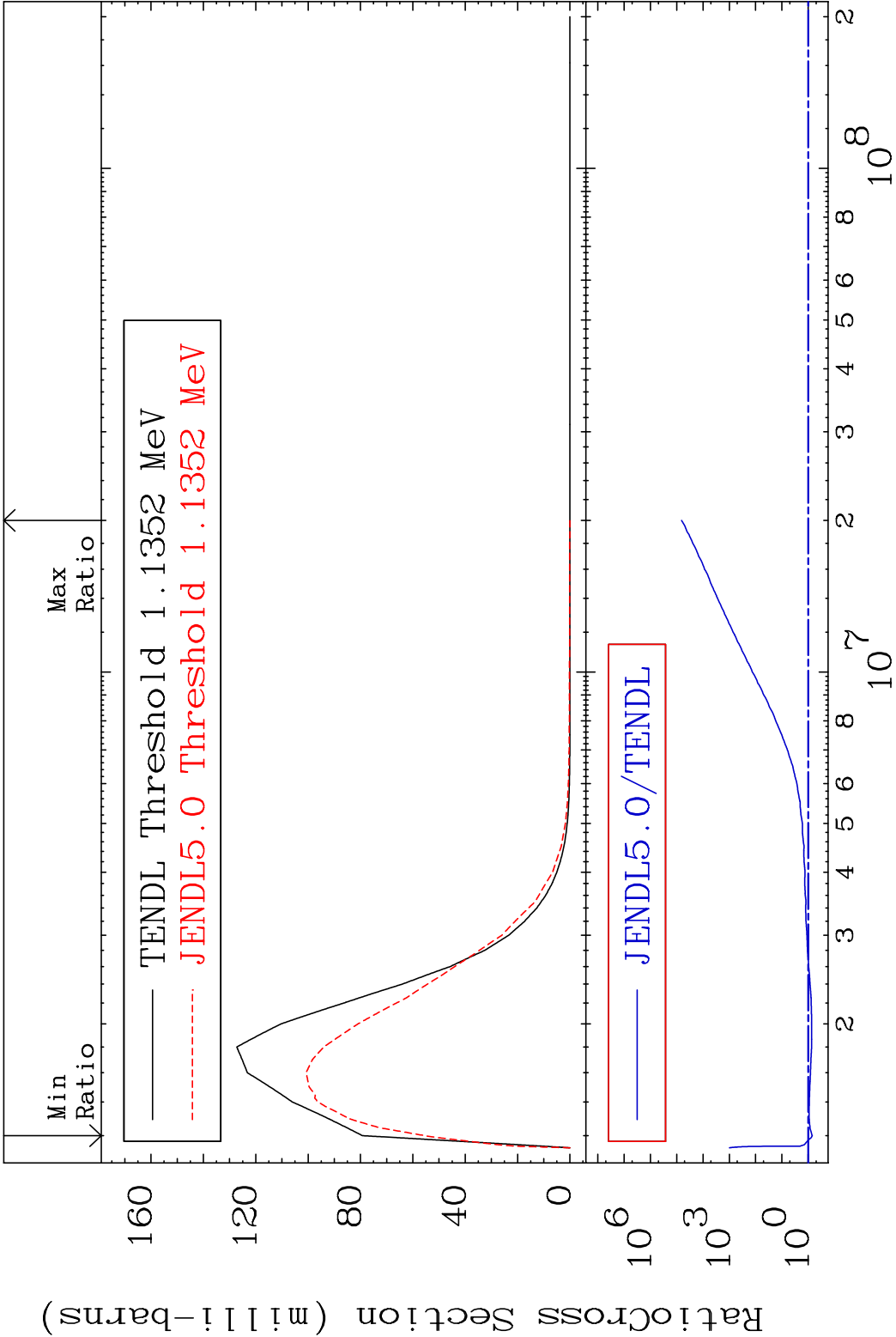
MT= 58 (n,n')

Level

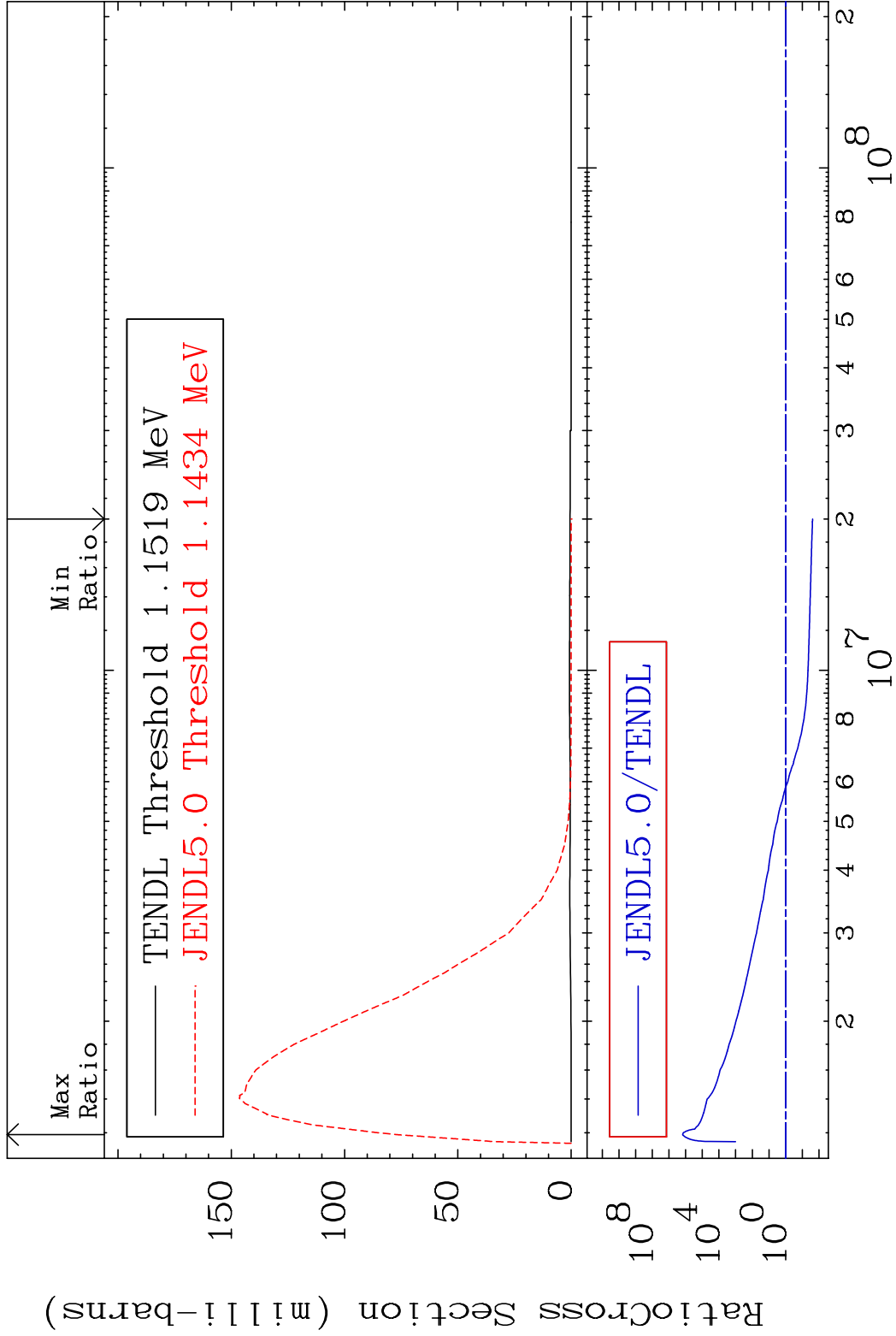
64-Gd-154

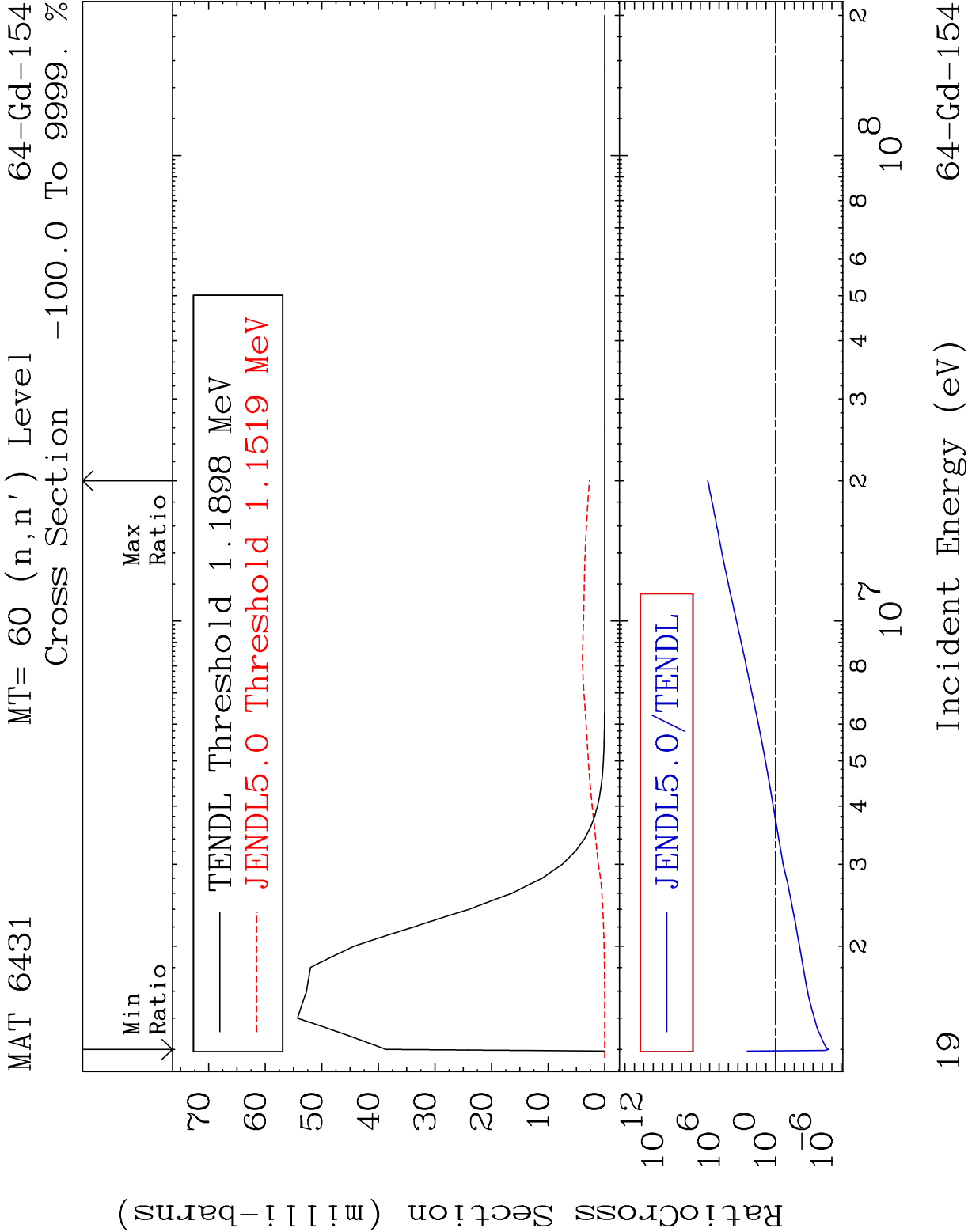
Cross Section

-30.05 To 9999. %

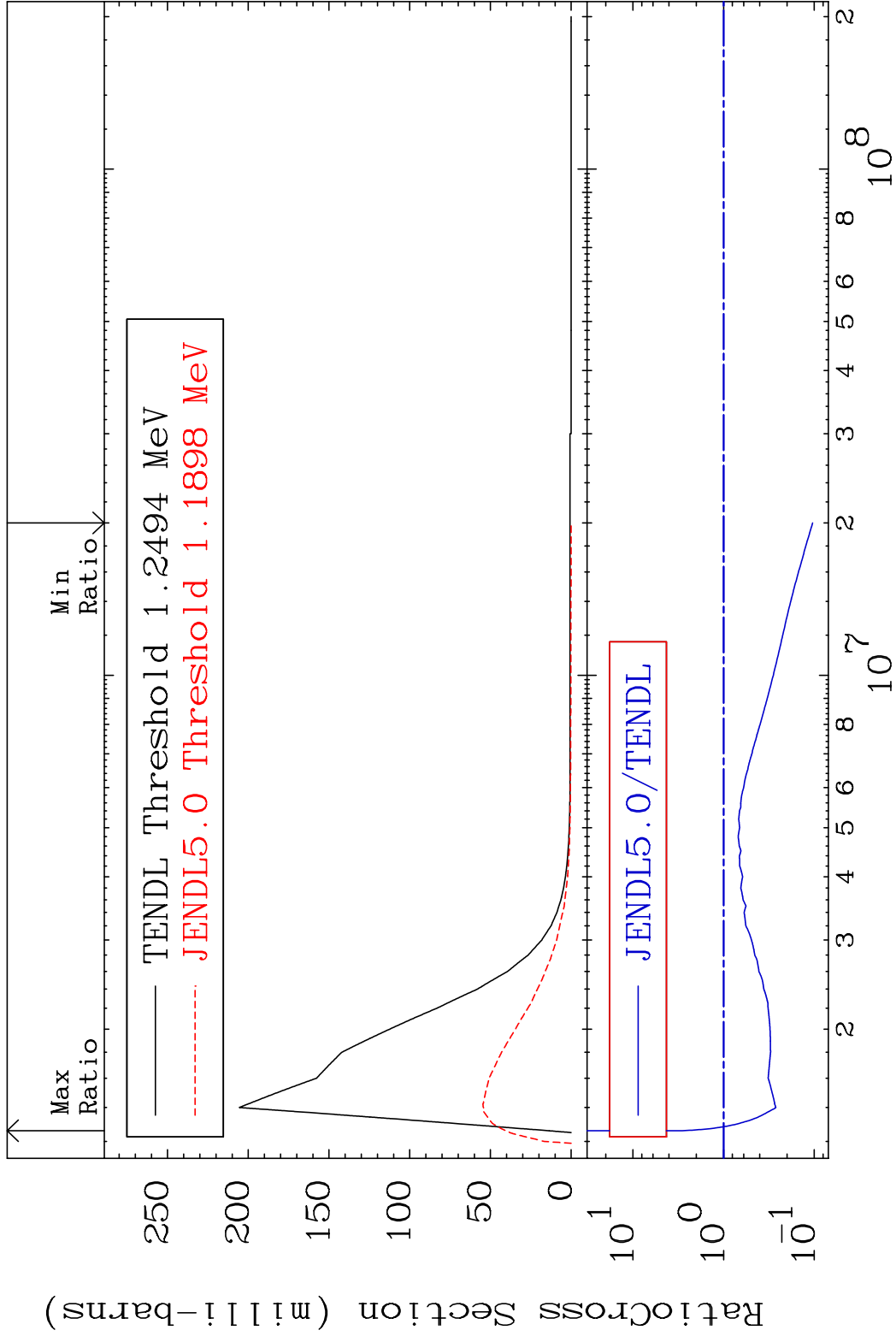


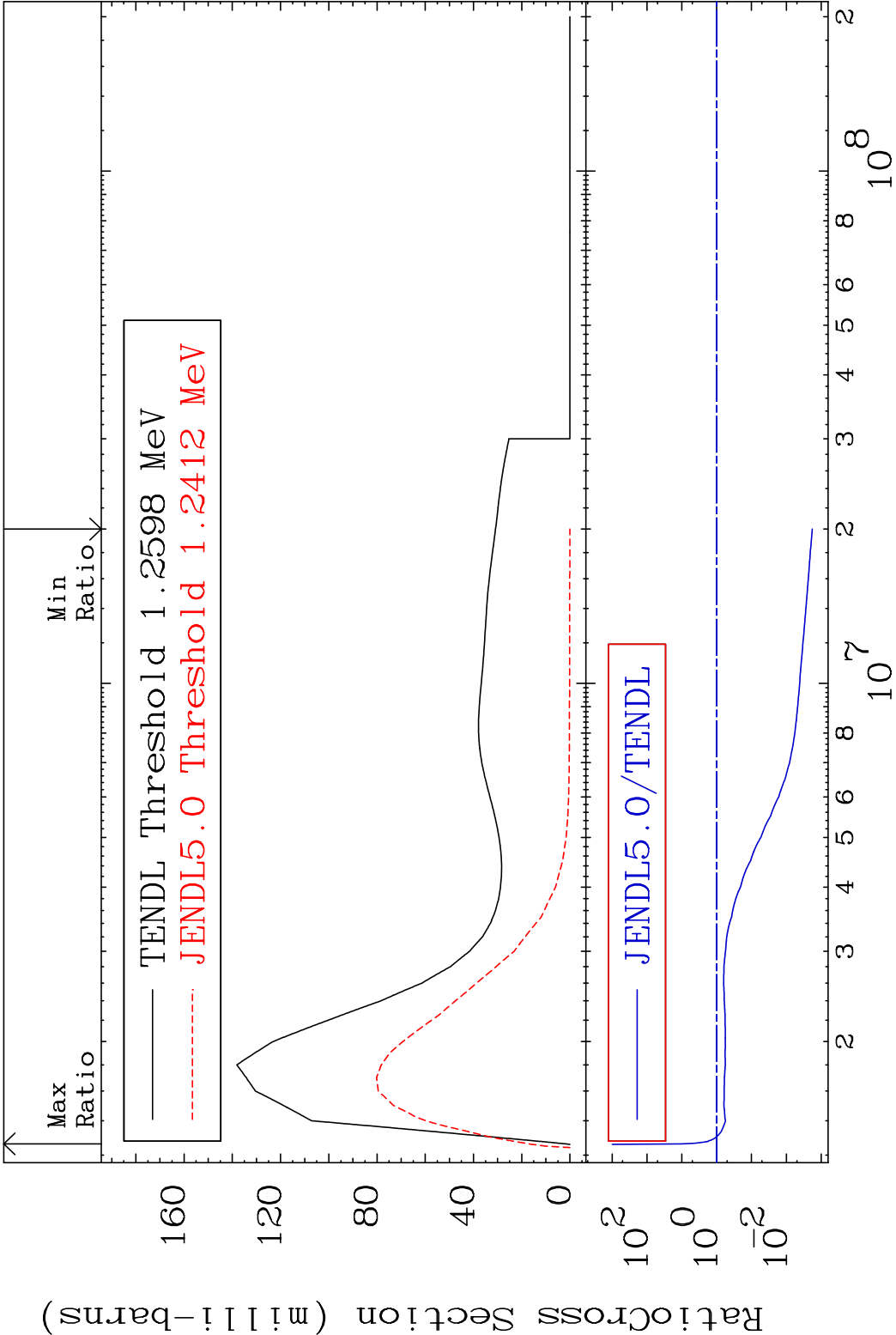
MAT 6431 MT= 59 (n,n') Level 64-Gd-154
Cross Section -97.57 To 9999. %





RatioCross Section (milli-barns)





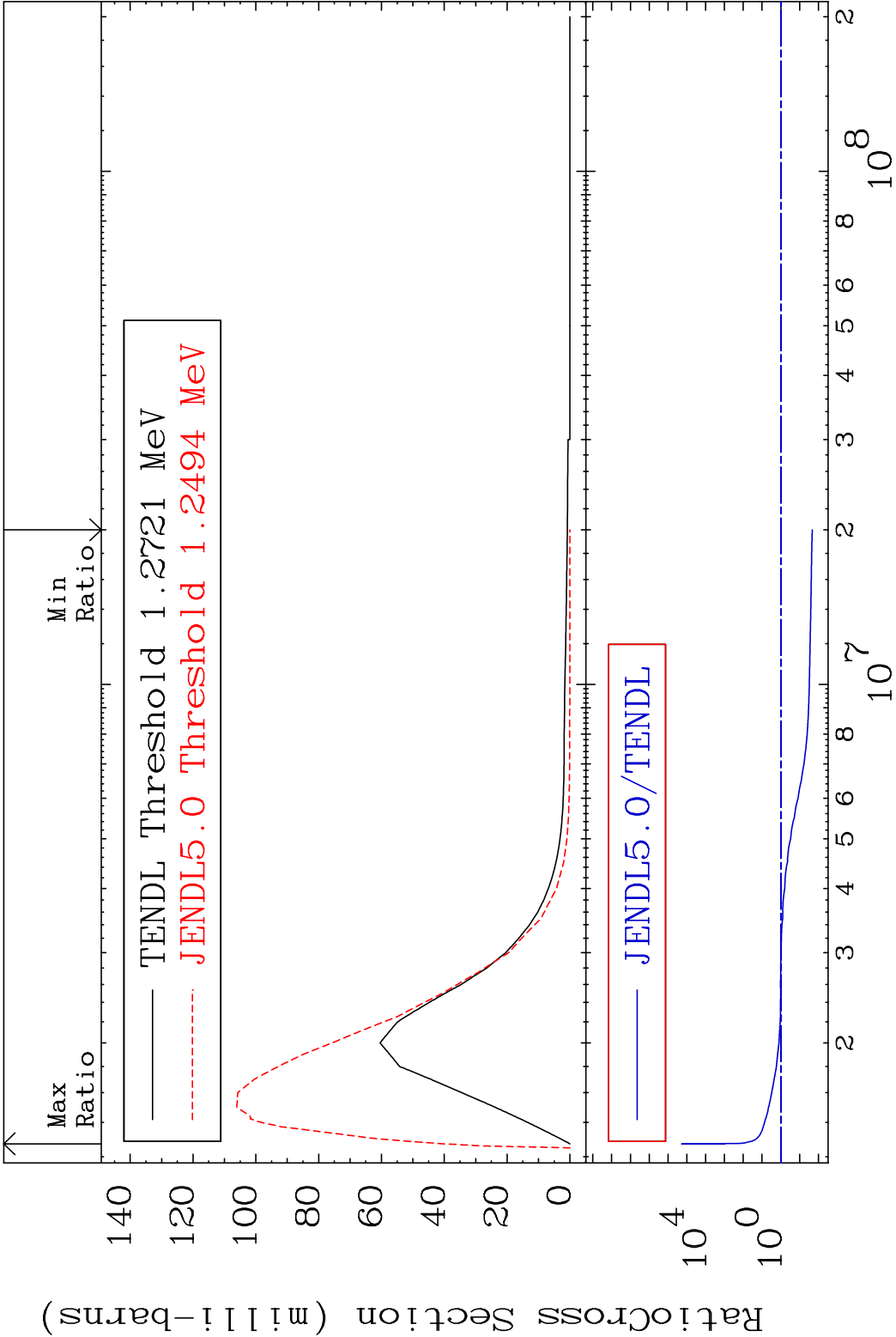
MAT 6431

MT= 63 (n,n') Level

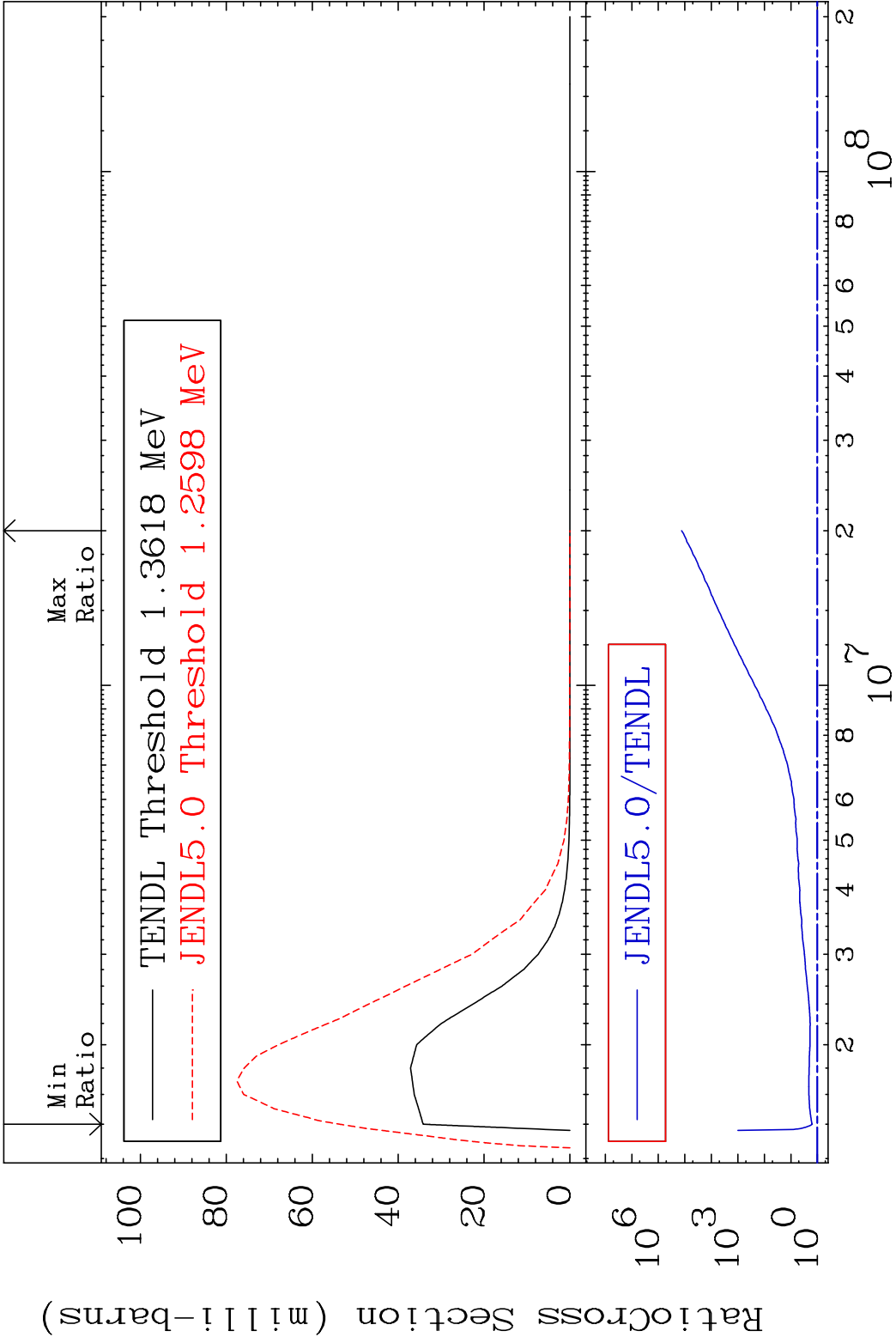
64-Gd-154

Cross Section

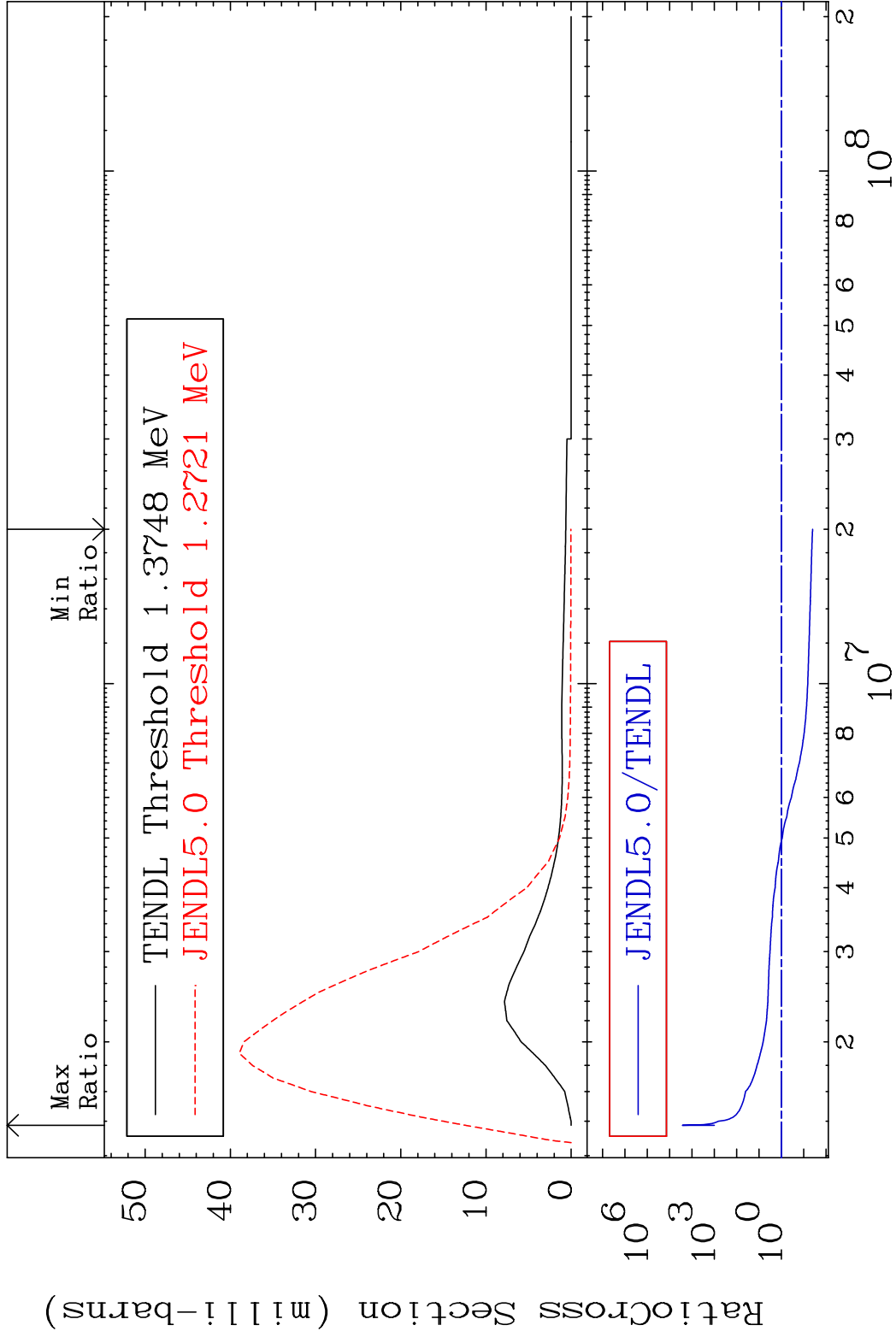
-97.87 To 9999. %



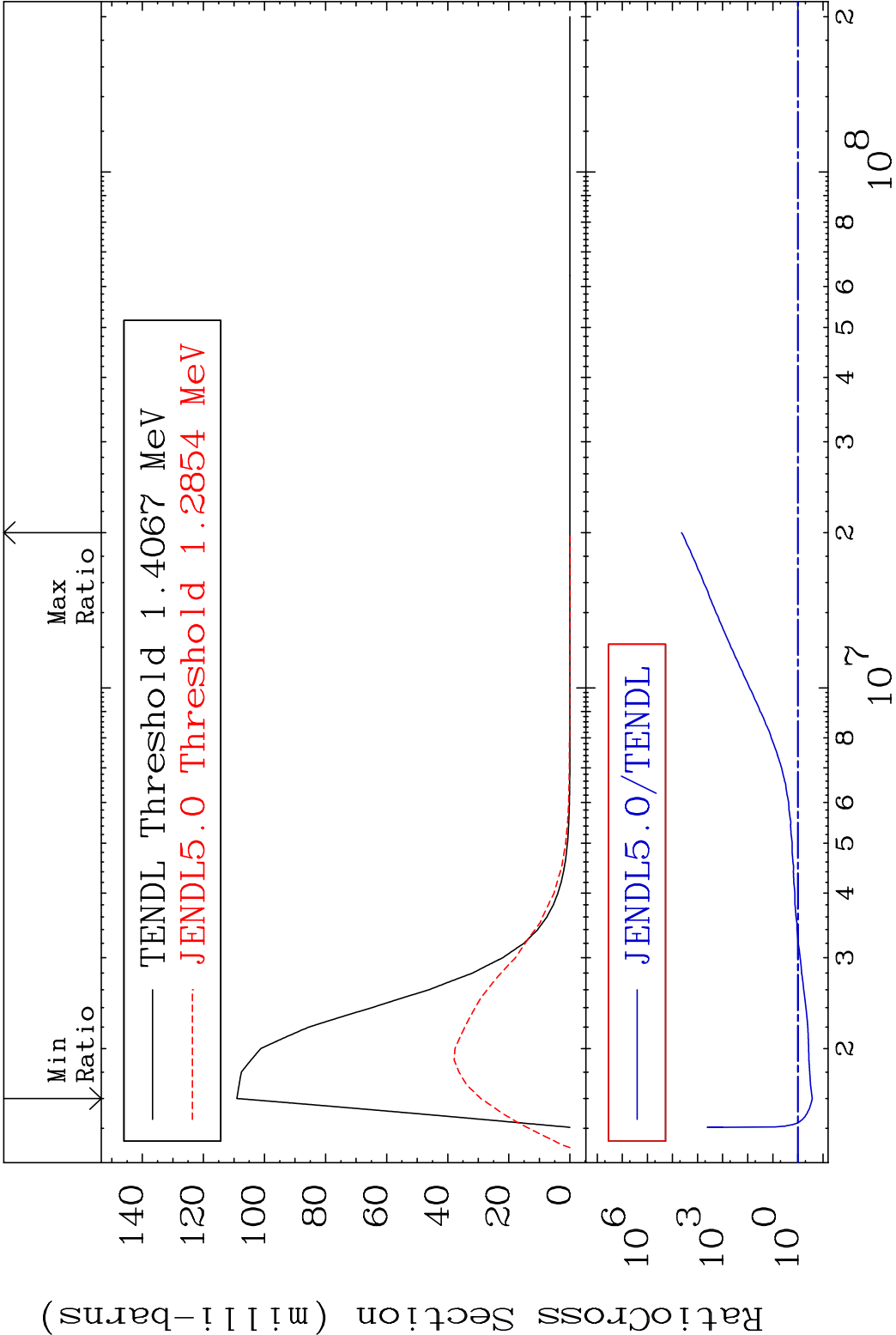
MAT 6431	MT= 64 (n,n')	Level	64-Gd-154
	Cross Section	56.77	To 9999. %



MAT 6431 MT= 65 (n,n') Level 64-Gd-154
Cross Section -95.96 To 9999. %



MAT 6431 MT= 66 (n,n') Level 64-Gd-154
Cross Section -73.24 To 9999. %



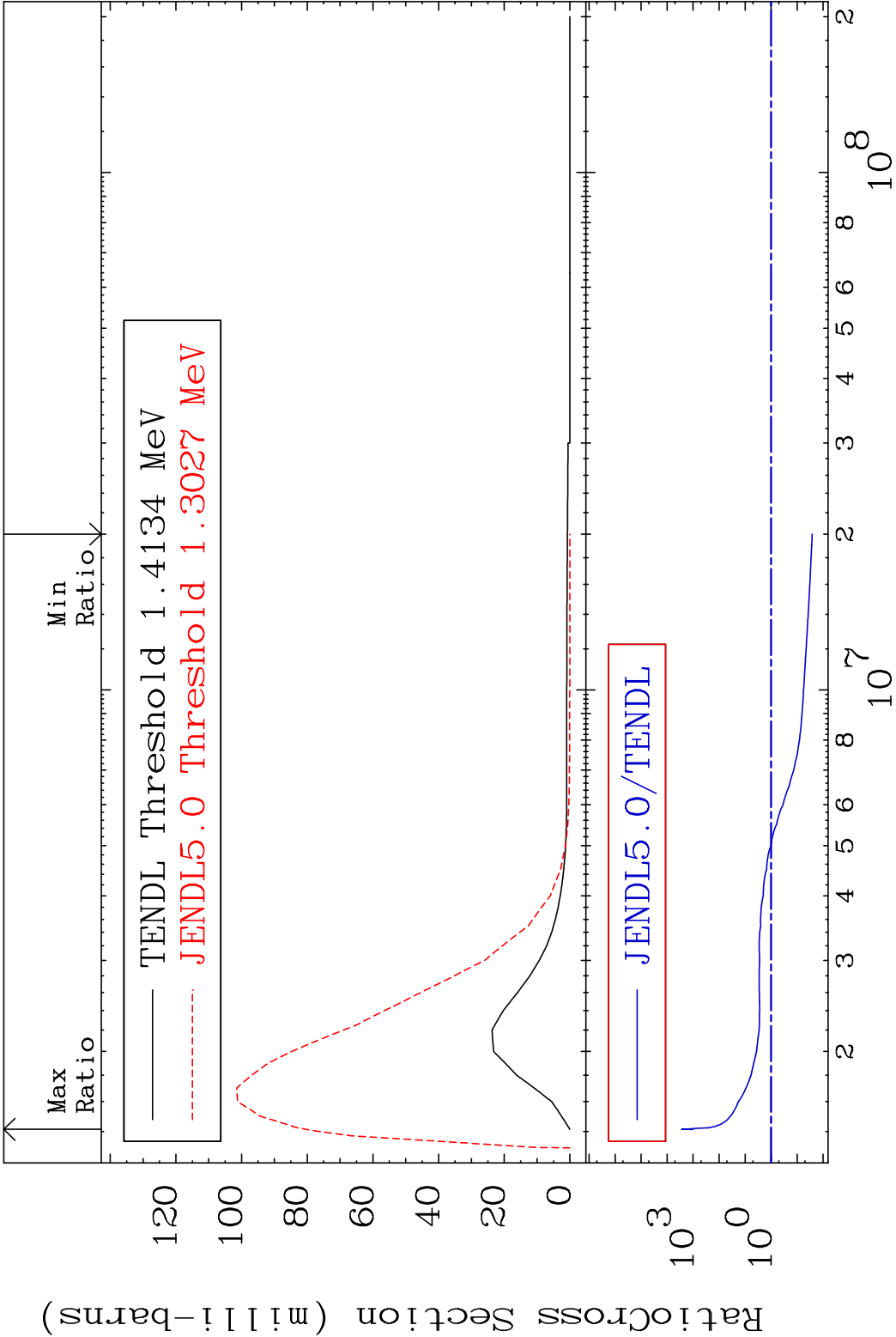
MAT 6431

MT= 67 (n,n') Level

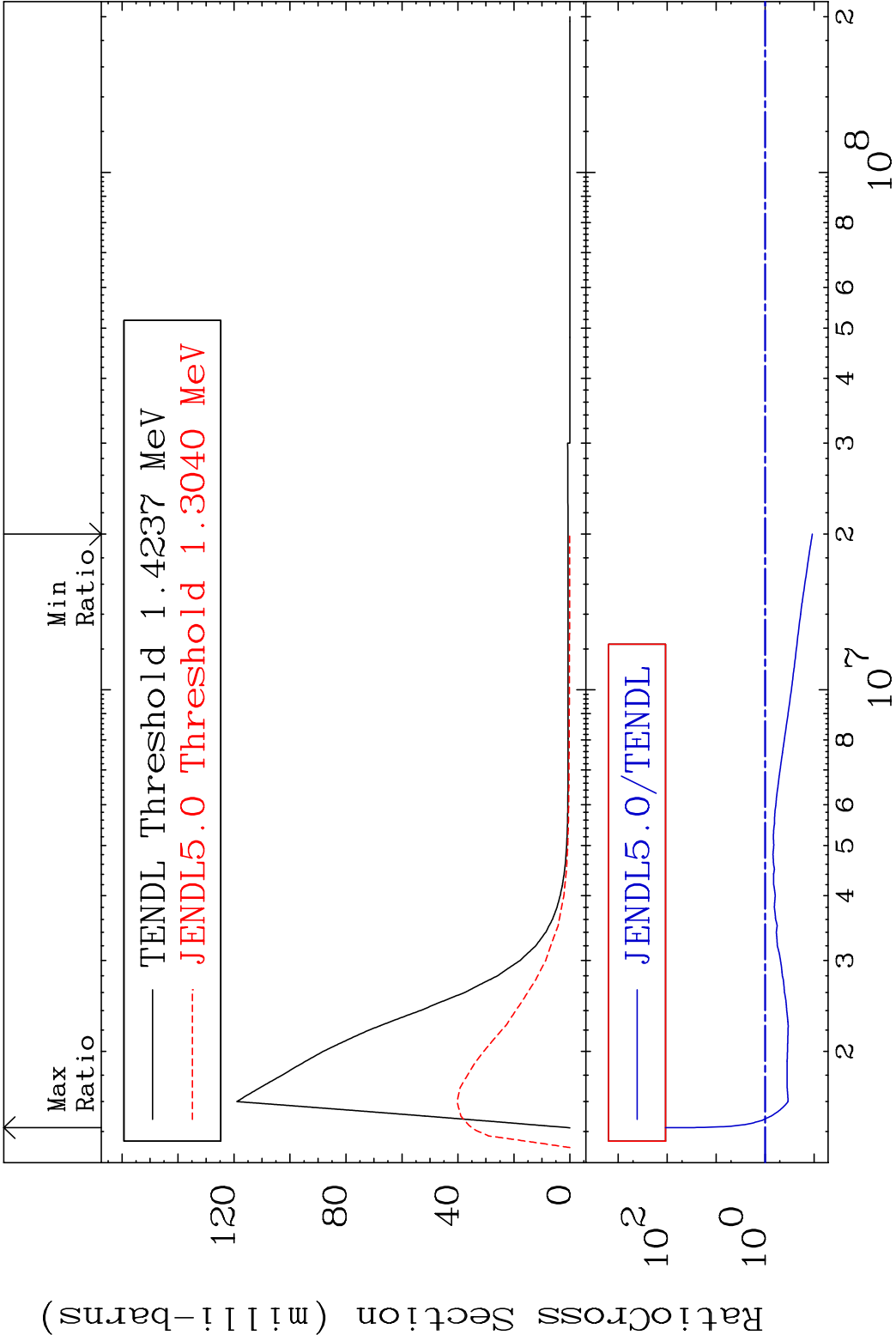
64-Gd-154

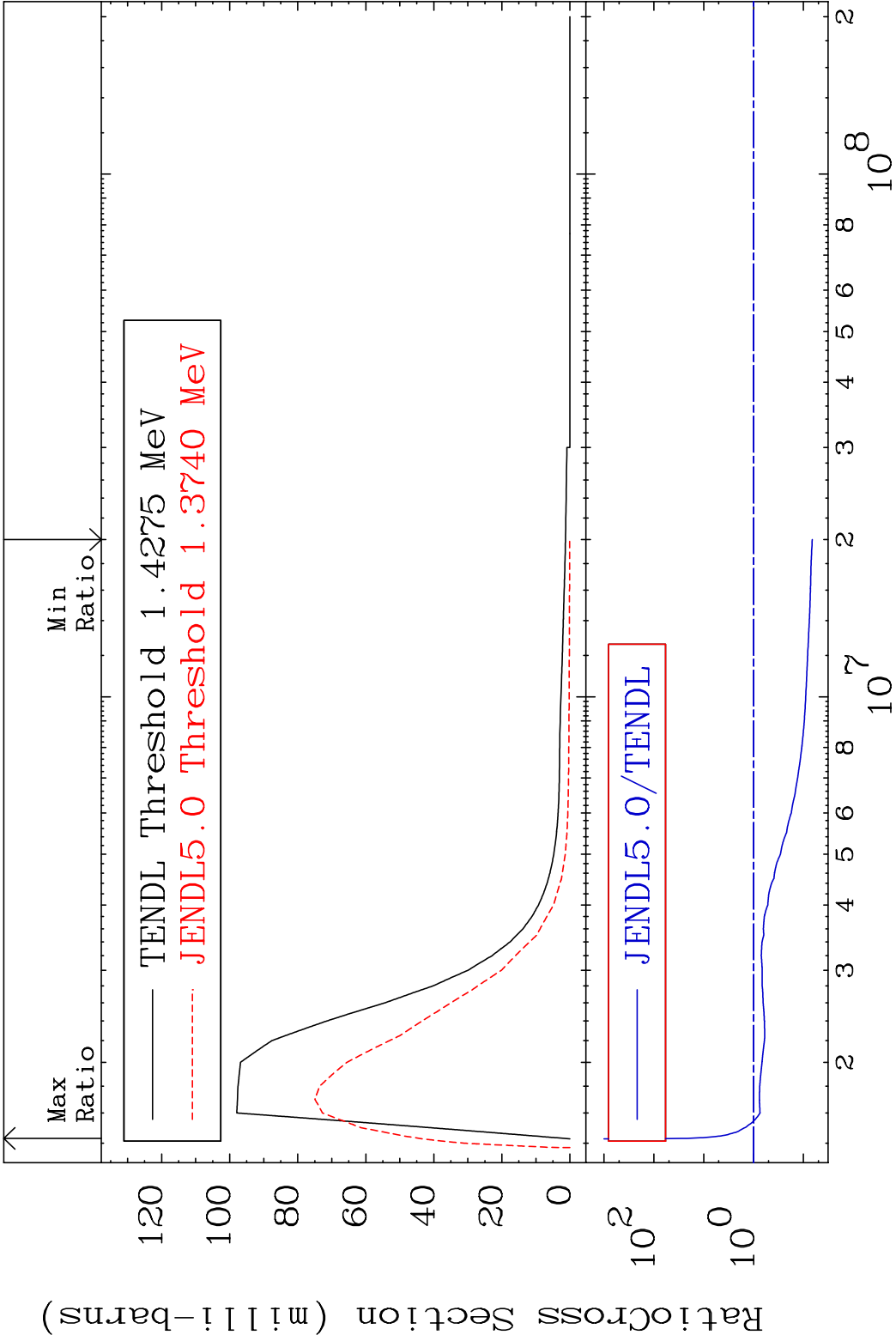
Cross Section

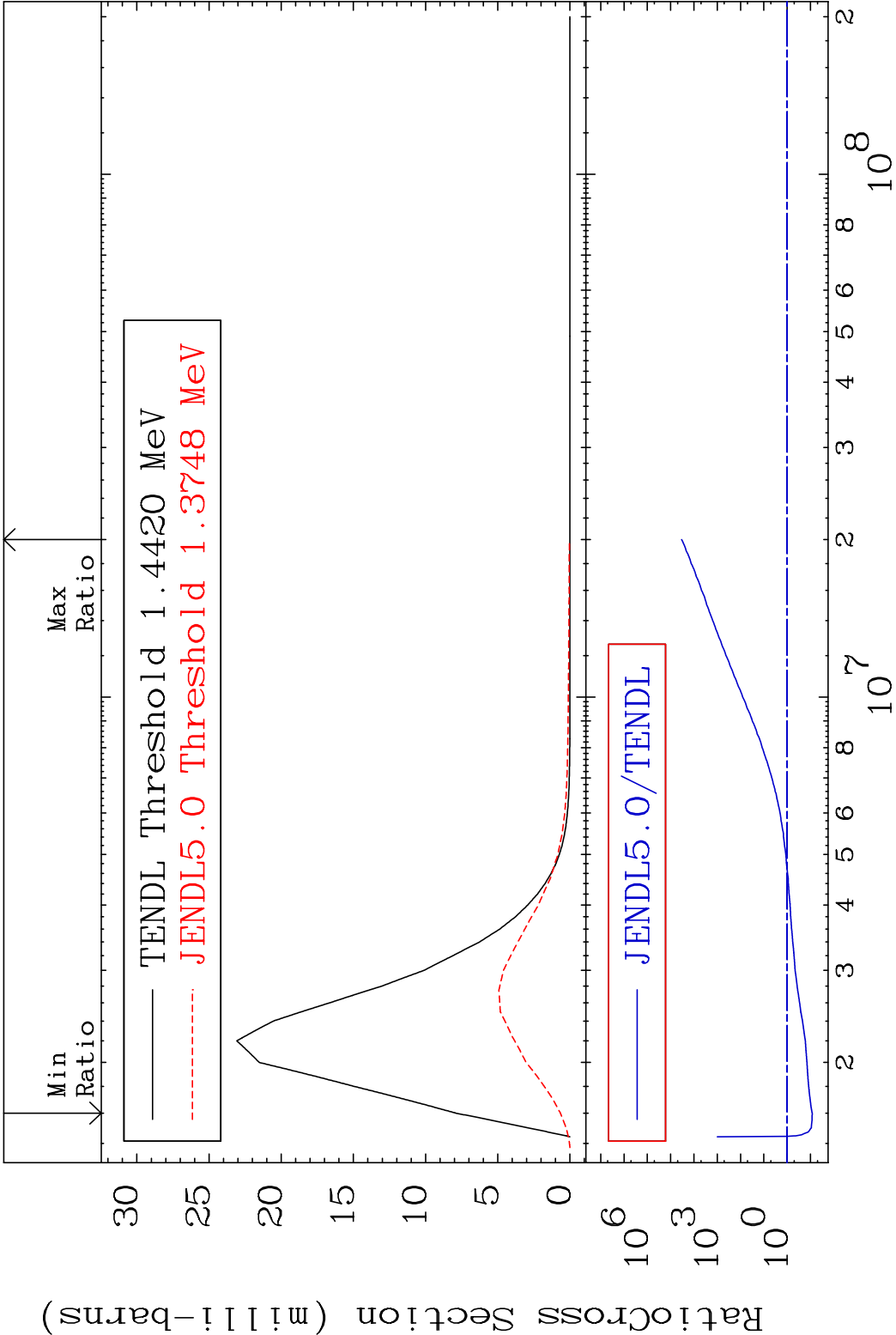
-97.37 To 9999. %

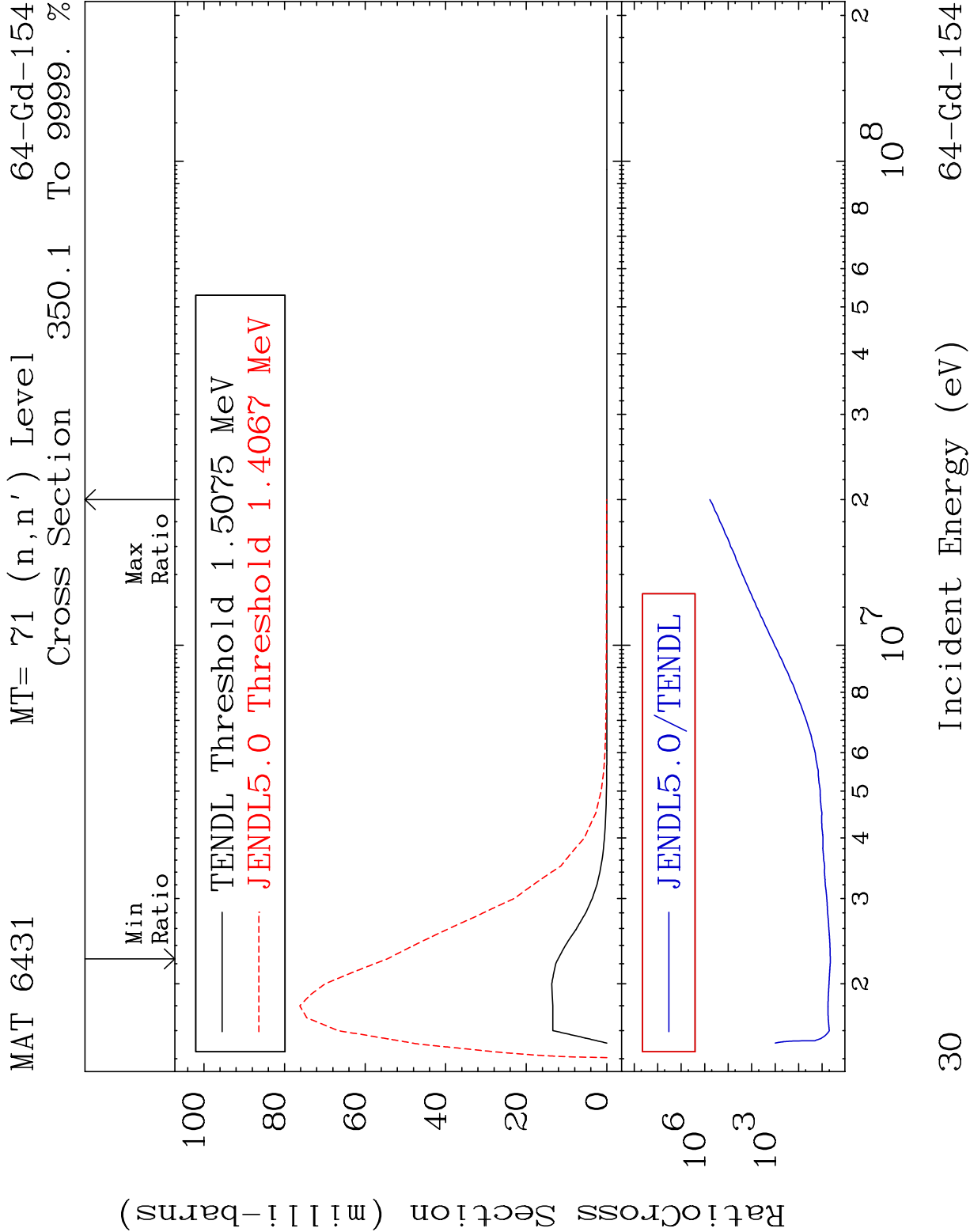


MAT 6431	MT= 68 (n,n')	Level	64-Gd-154
	Cross Section	-89.10 To 5000. %	

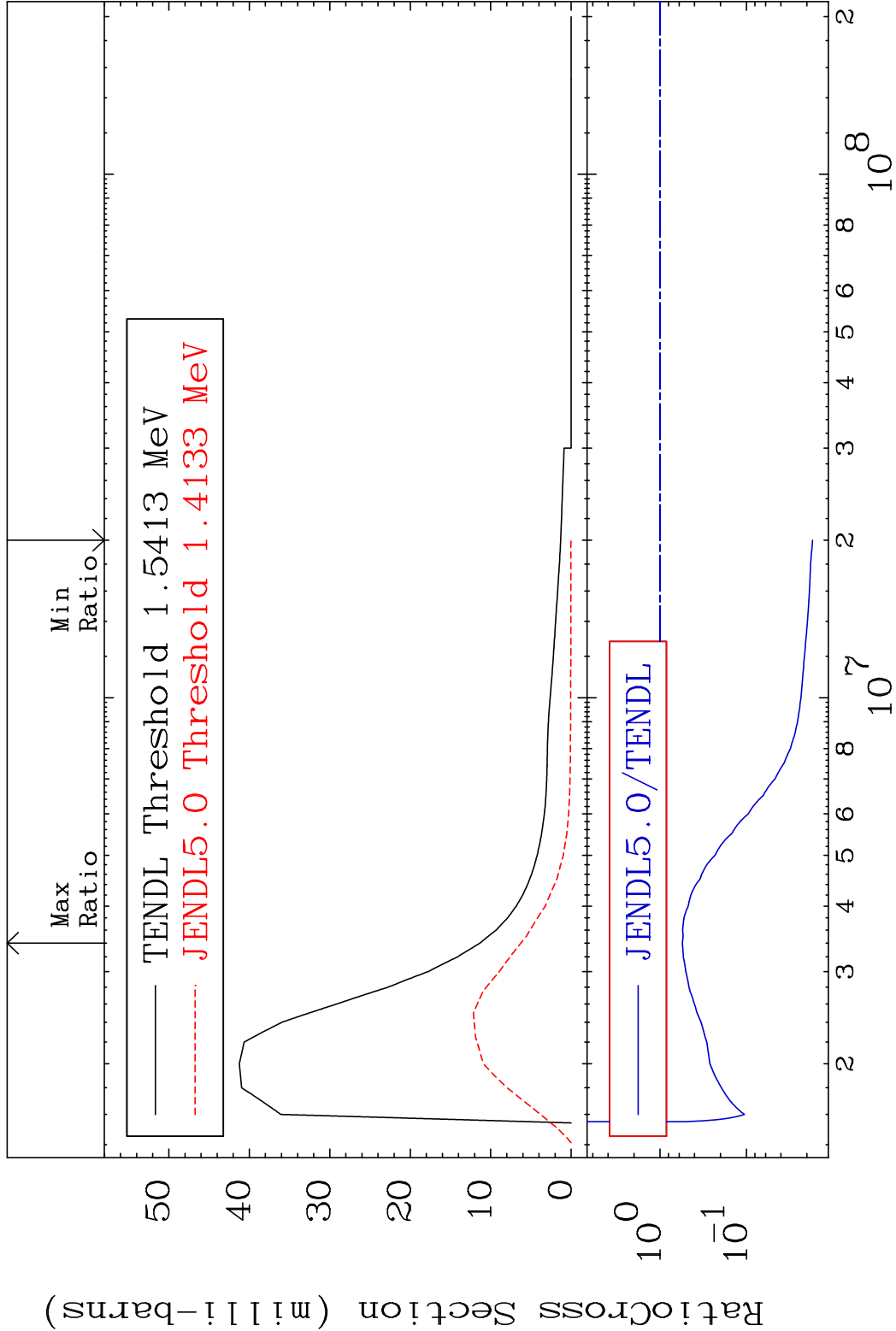




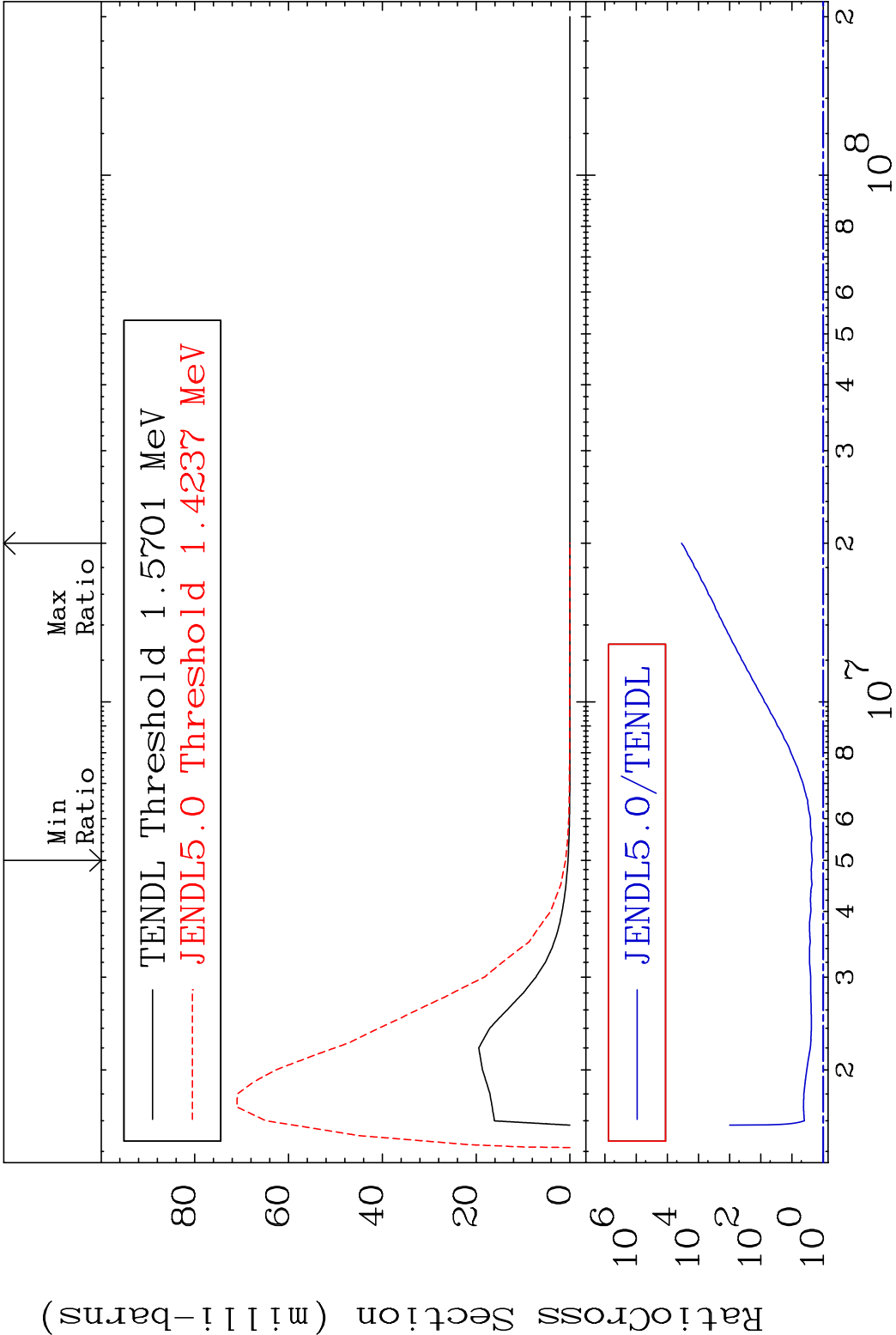




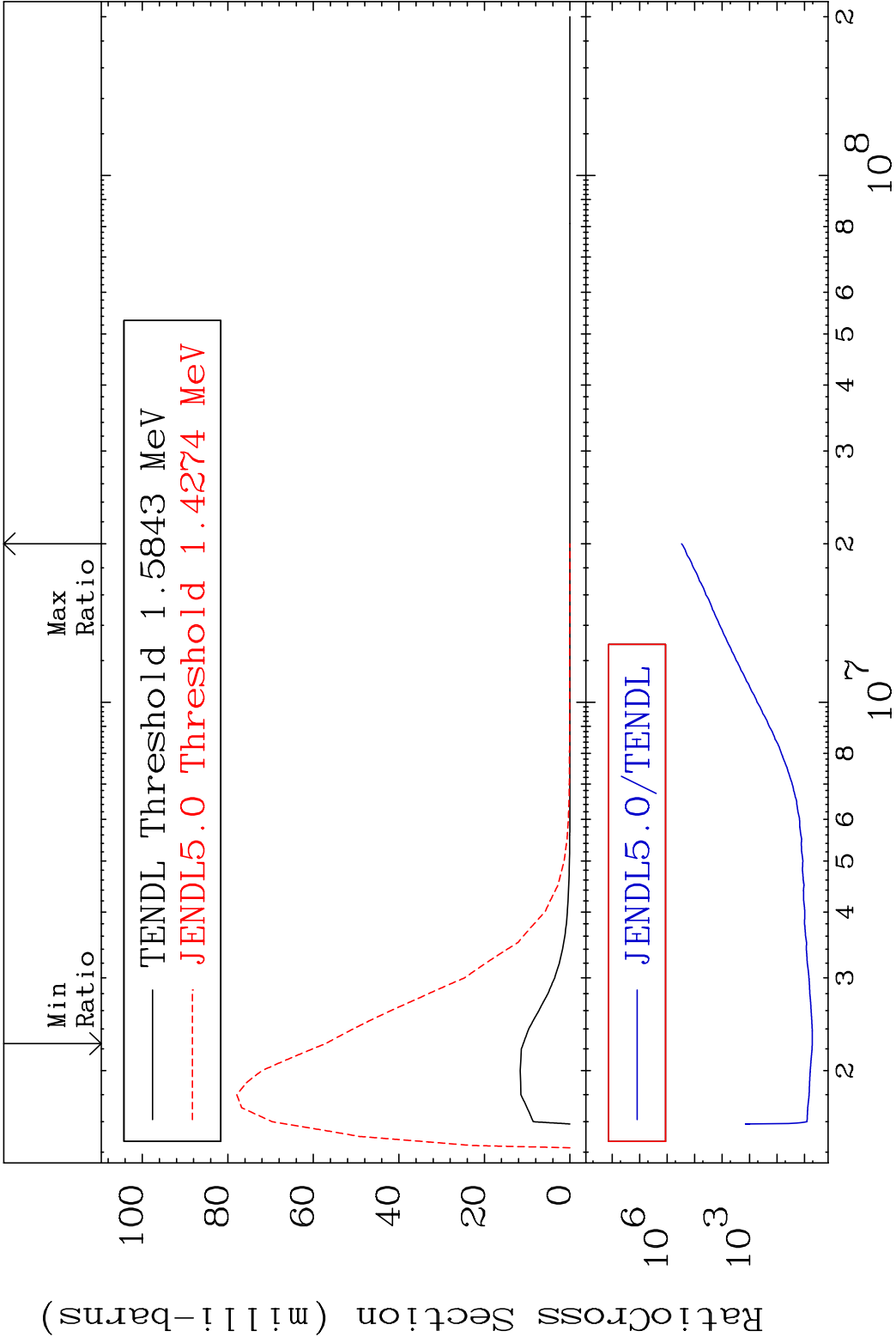
MAT 6431	MT= 72 (n,n')	Level	64-Gd-154
	Cross Section	-98.28 To -44.83%	

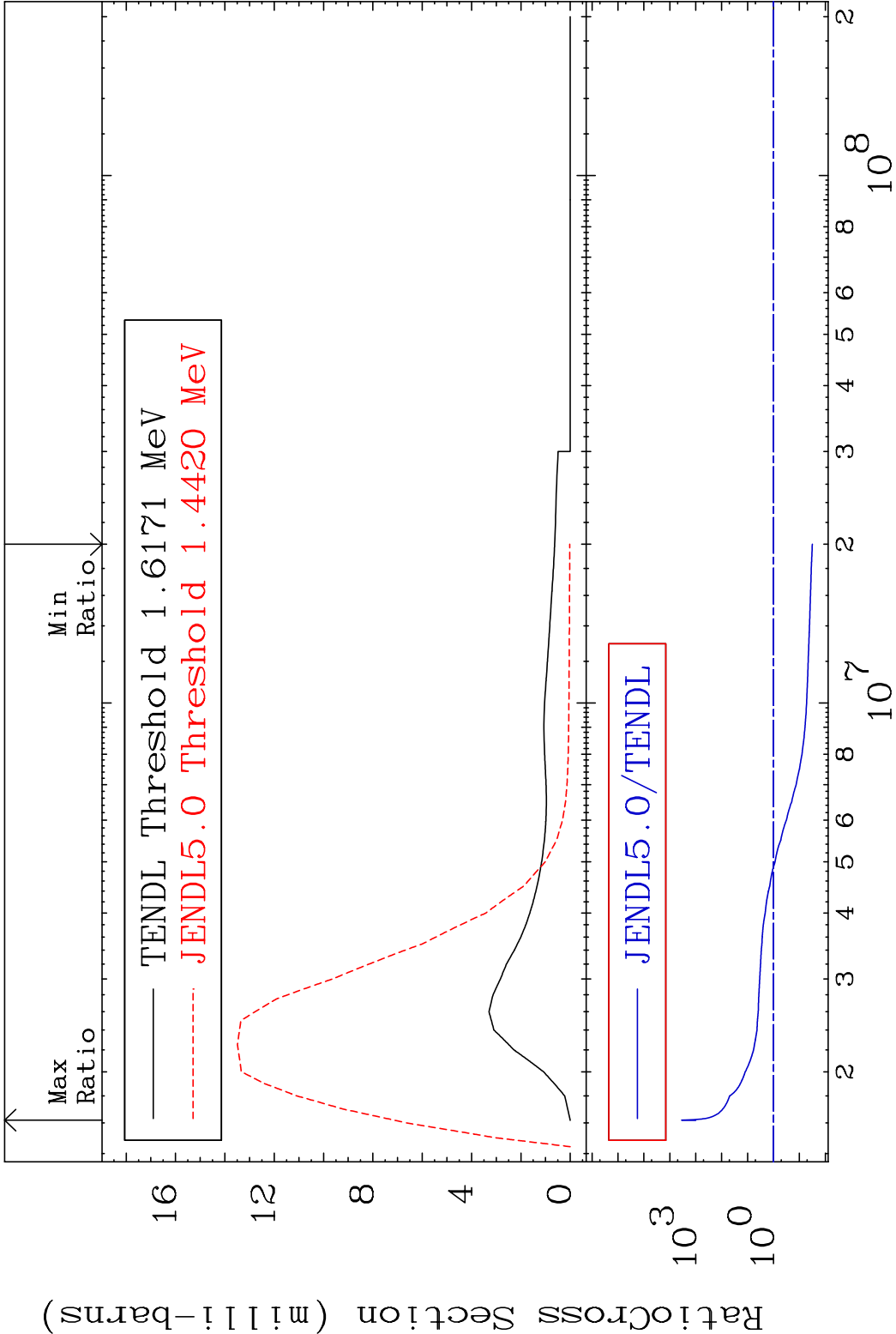


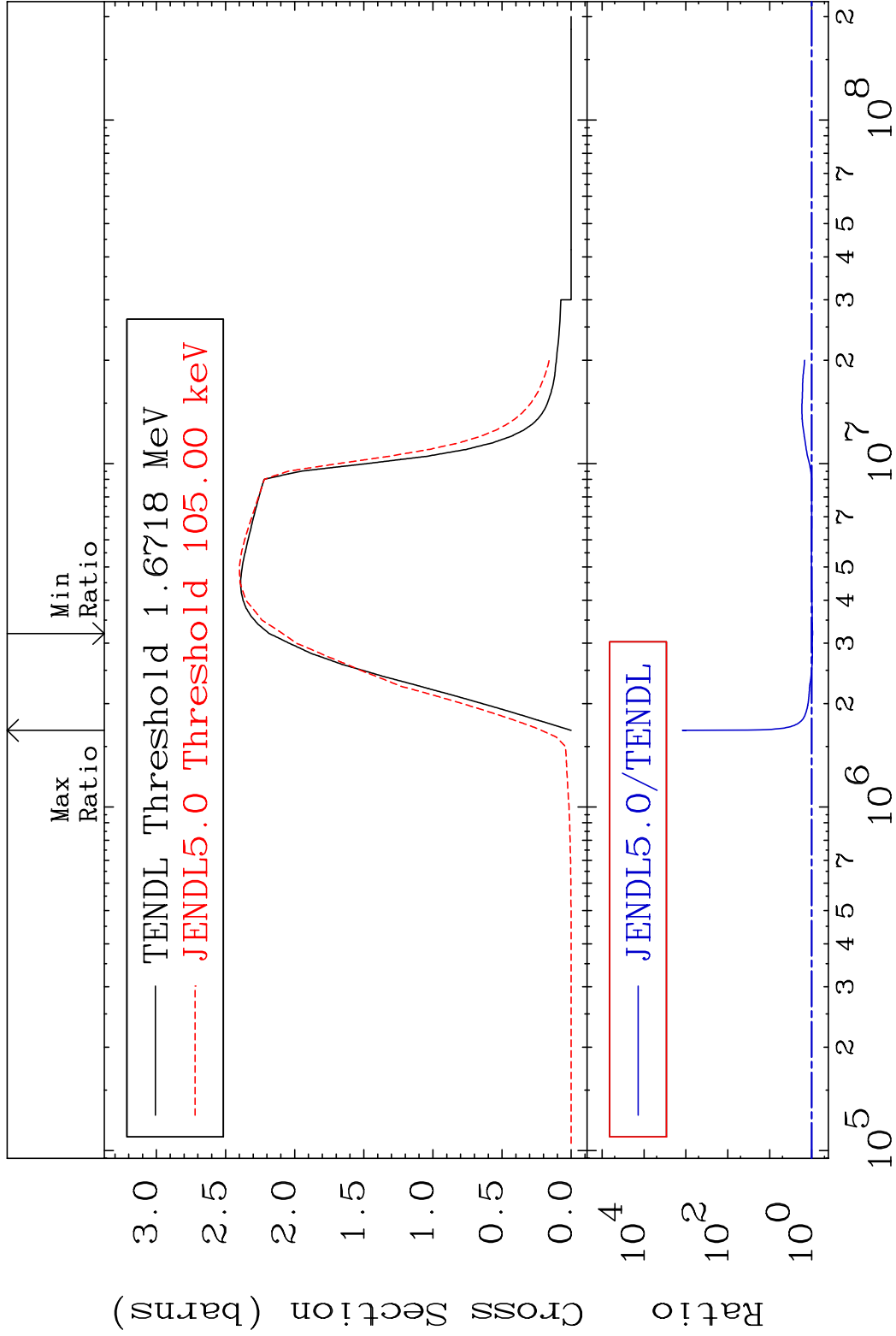
MAT 6431 MT= 73 (n,n') Level 64-Gd-154
Cross Section 124.2 To 9999. %

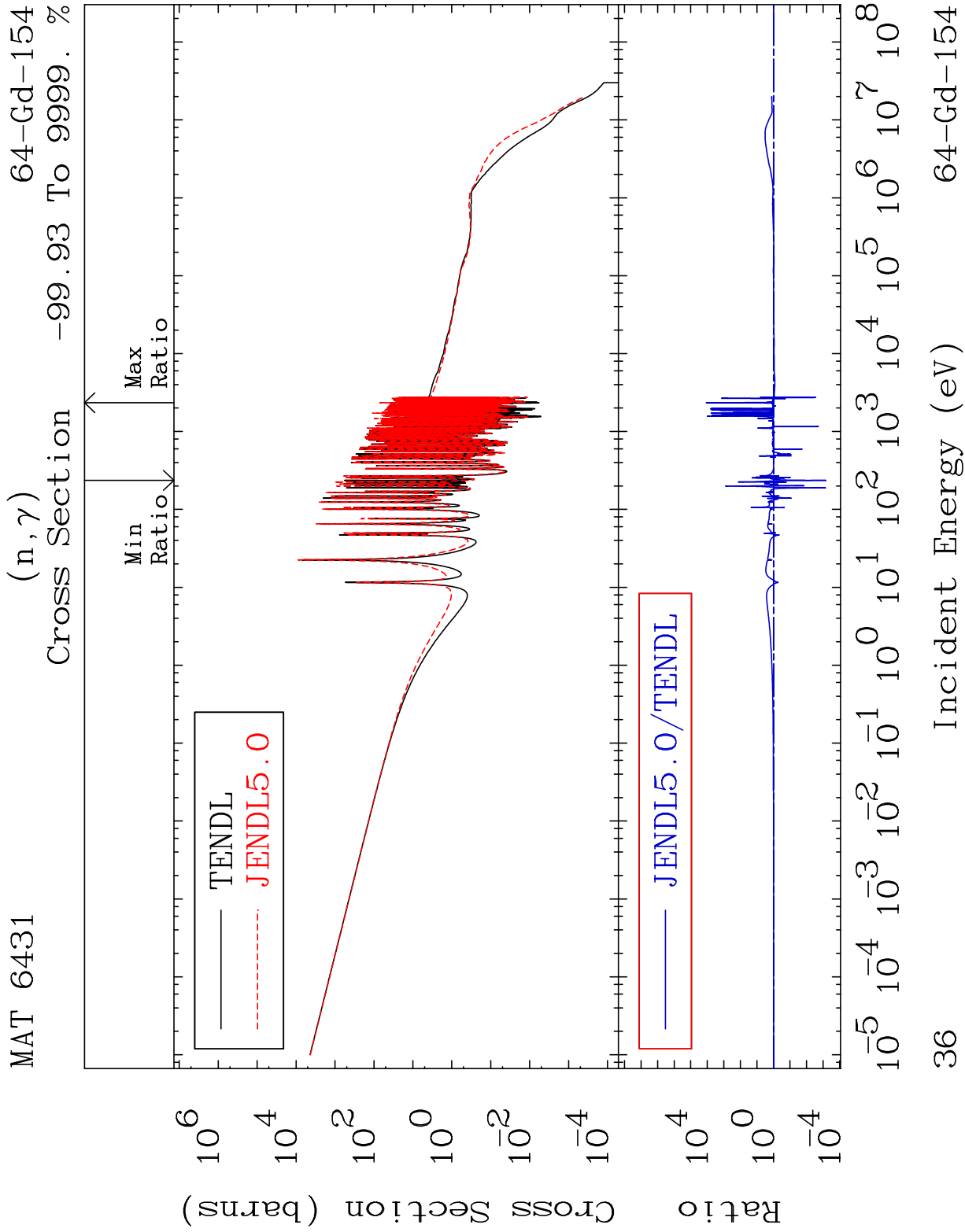


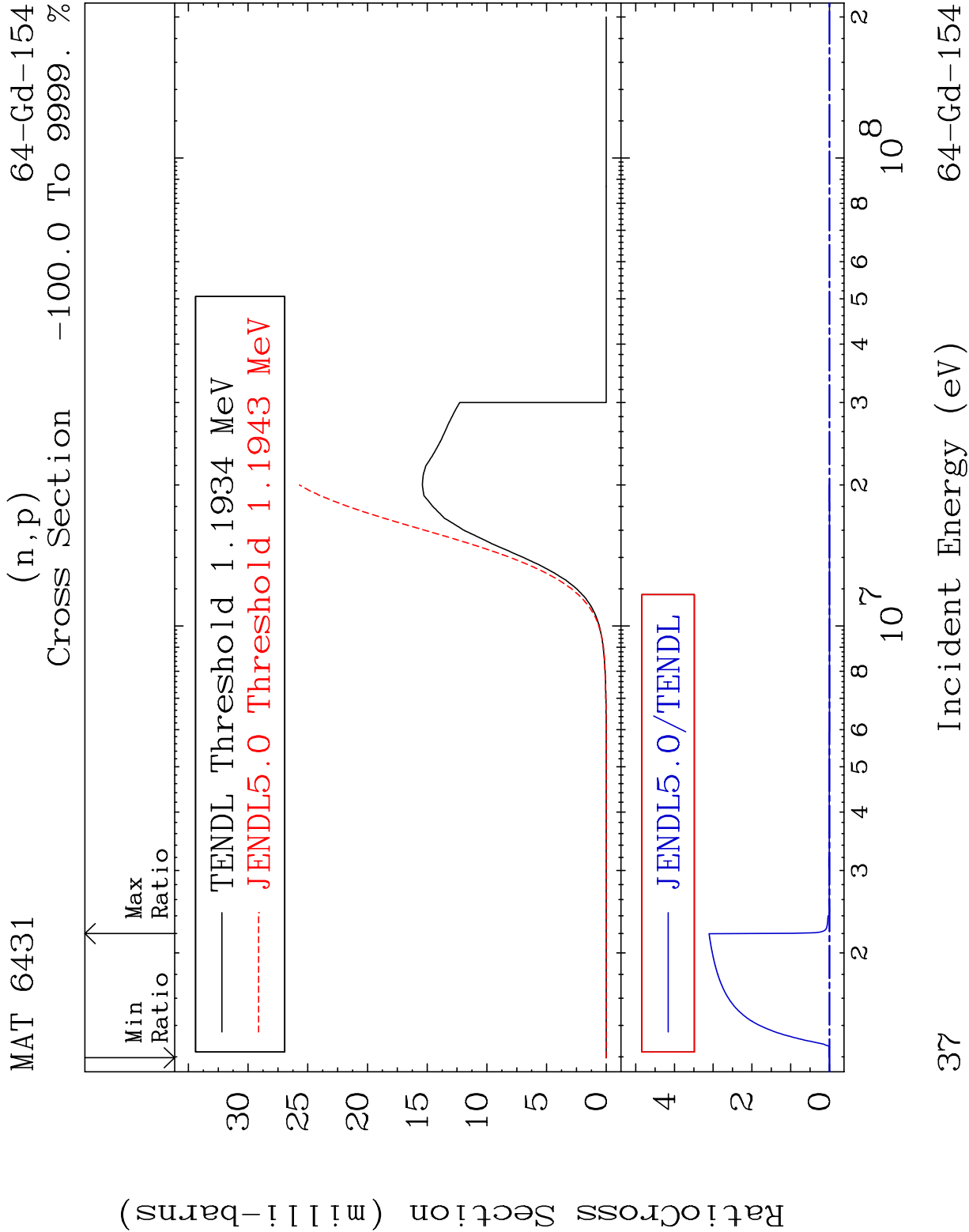
MAT 6431	MT= 74 (n,n')	Level	64-Gd-154
	Cross Section	423.9	To 9999. %

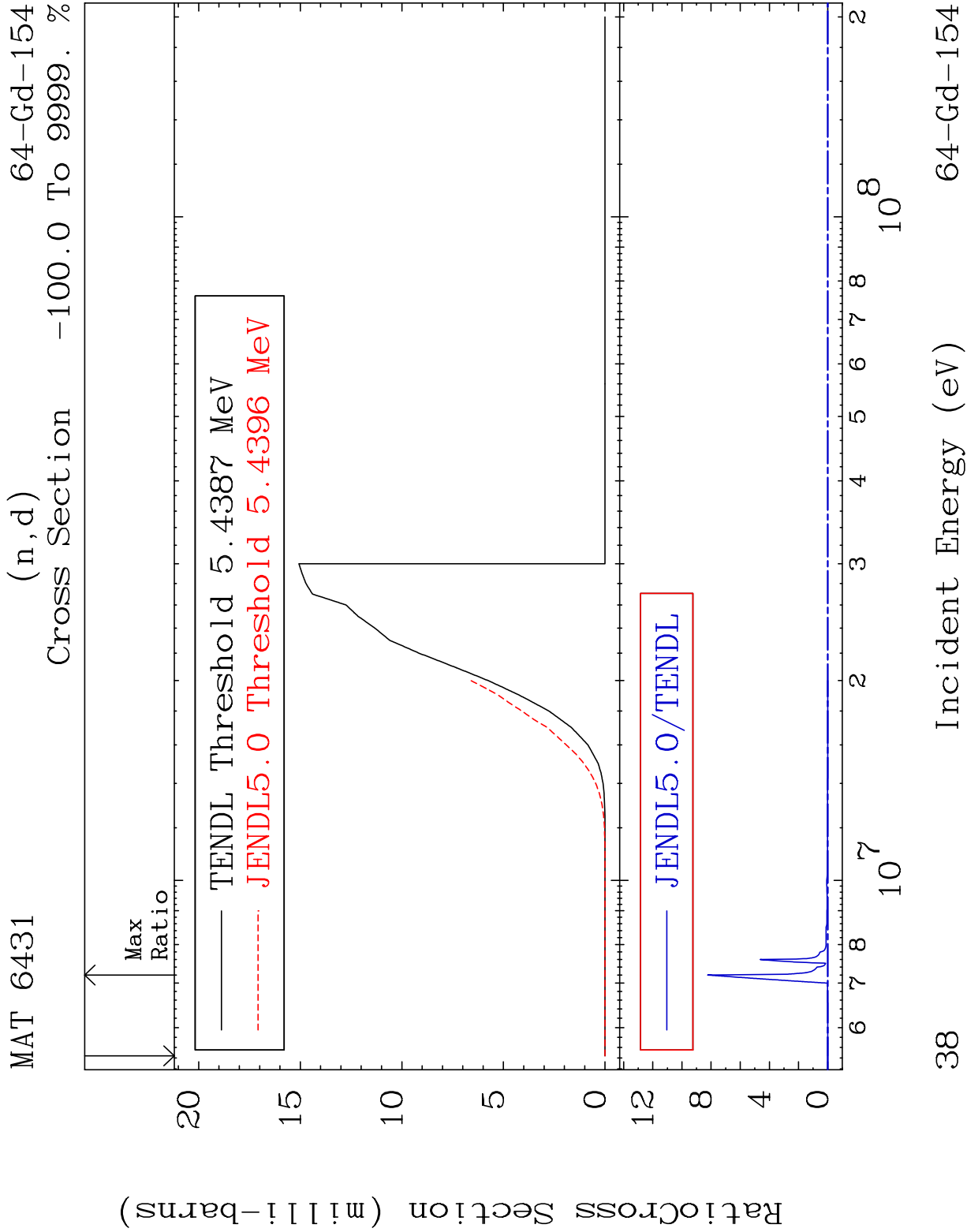


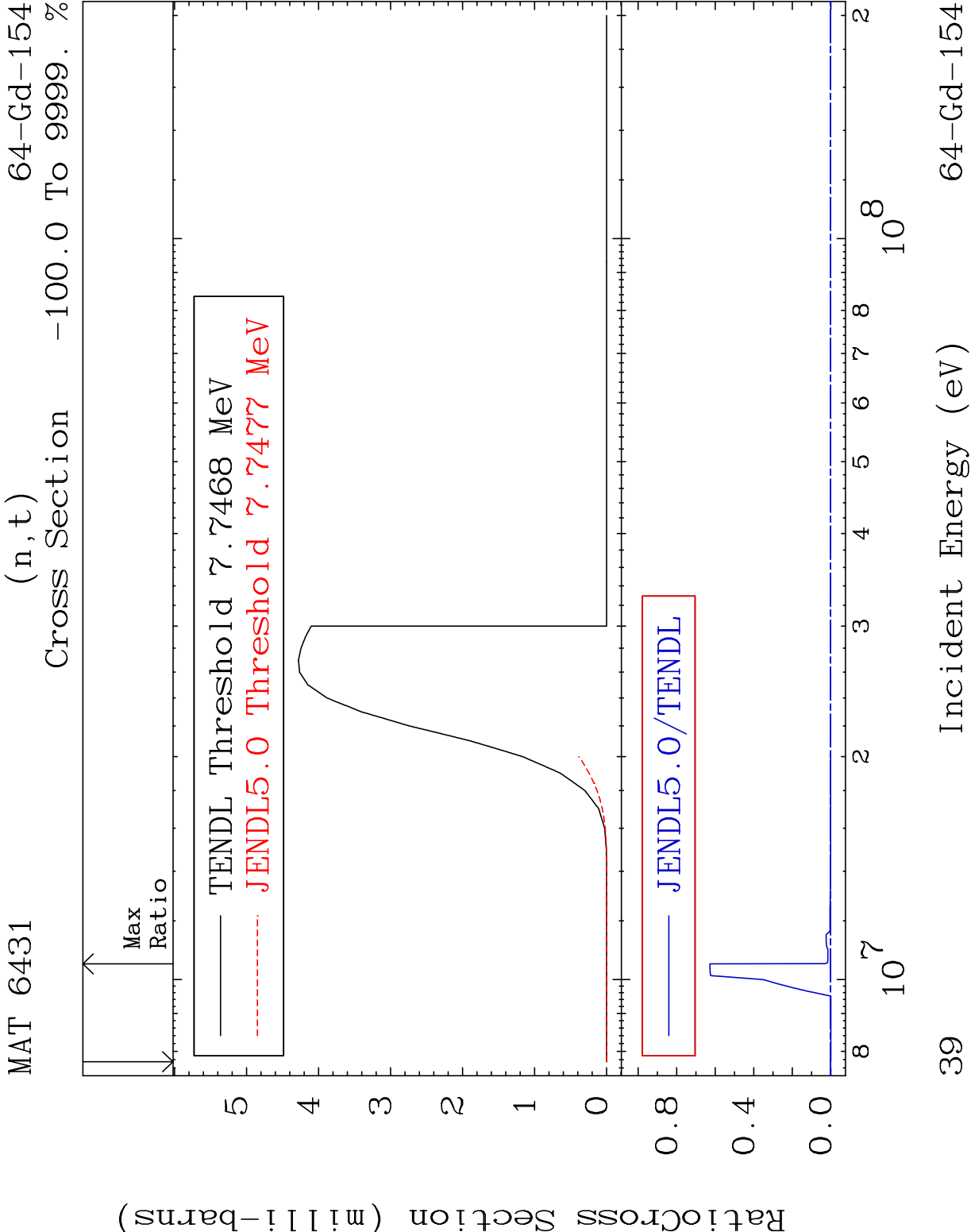


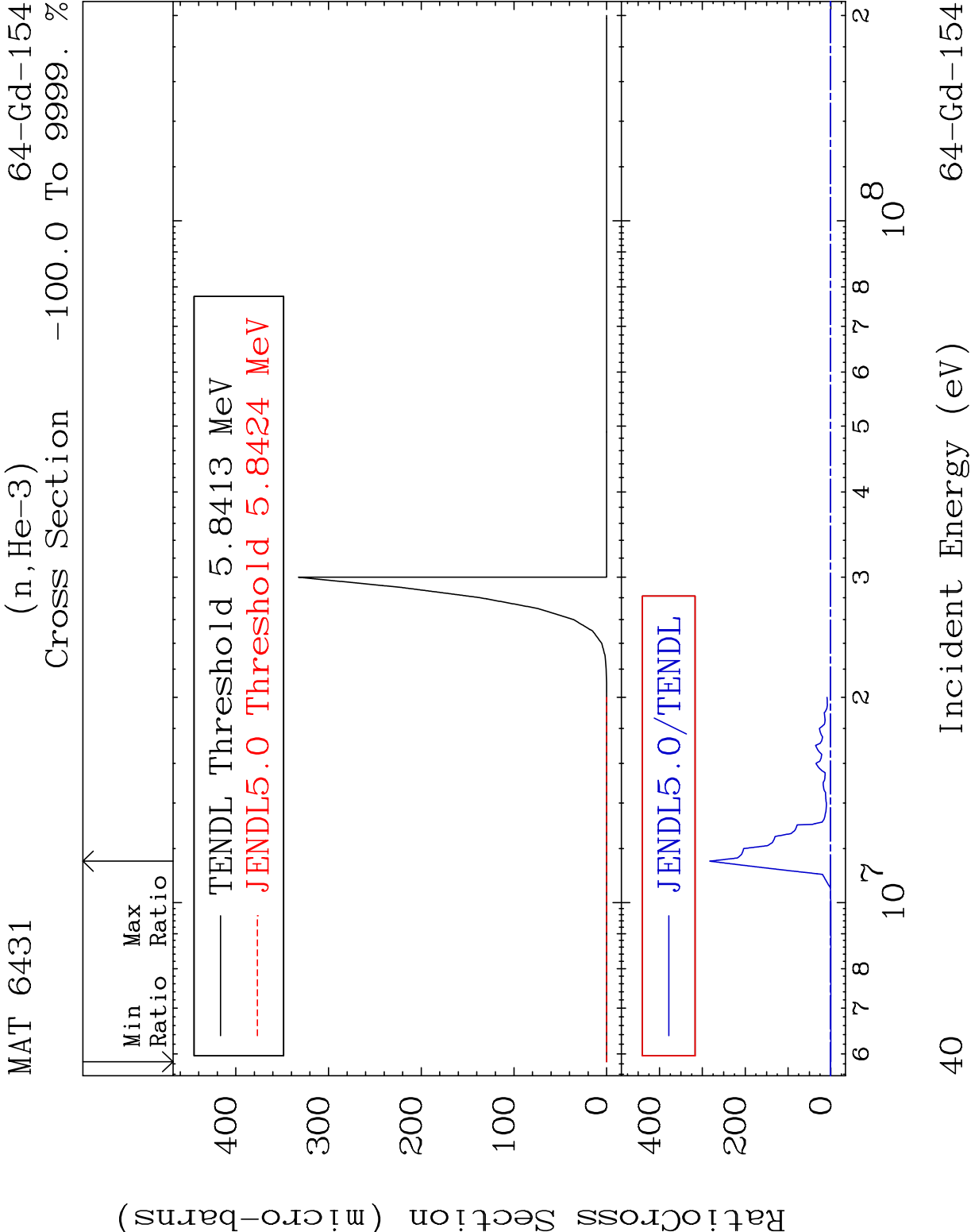


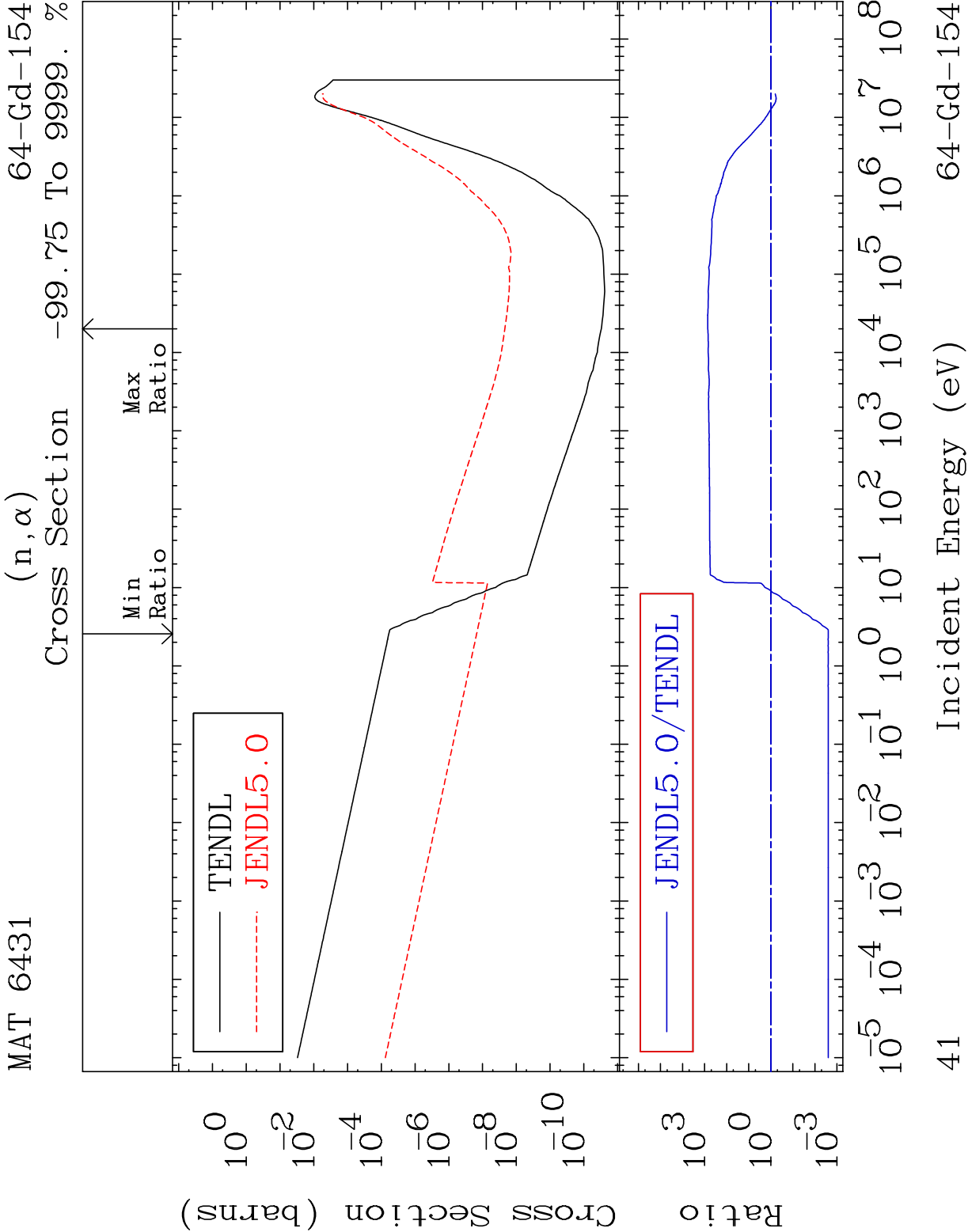


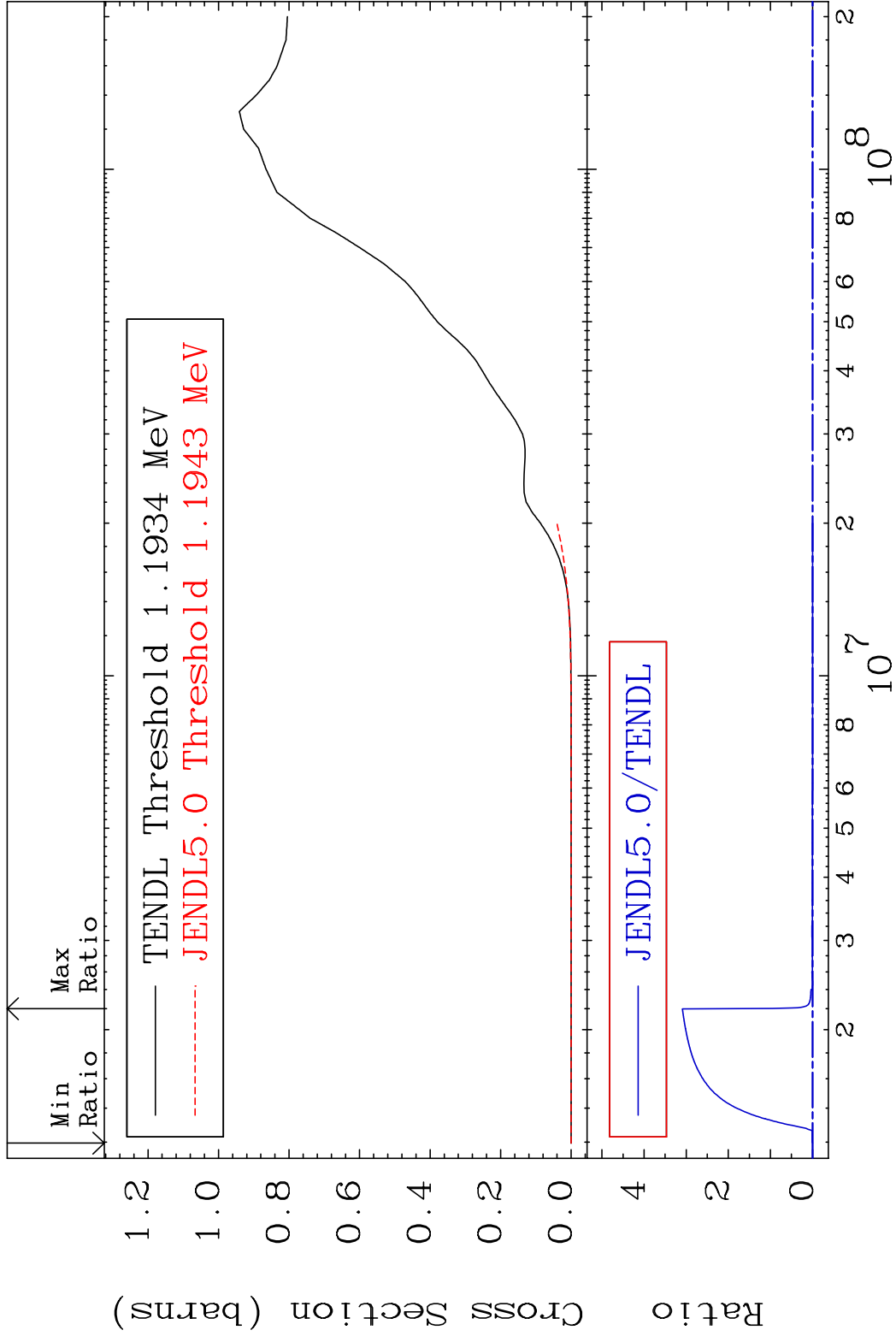


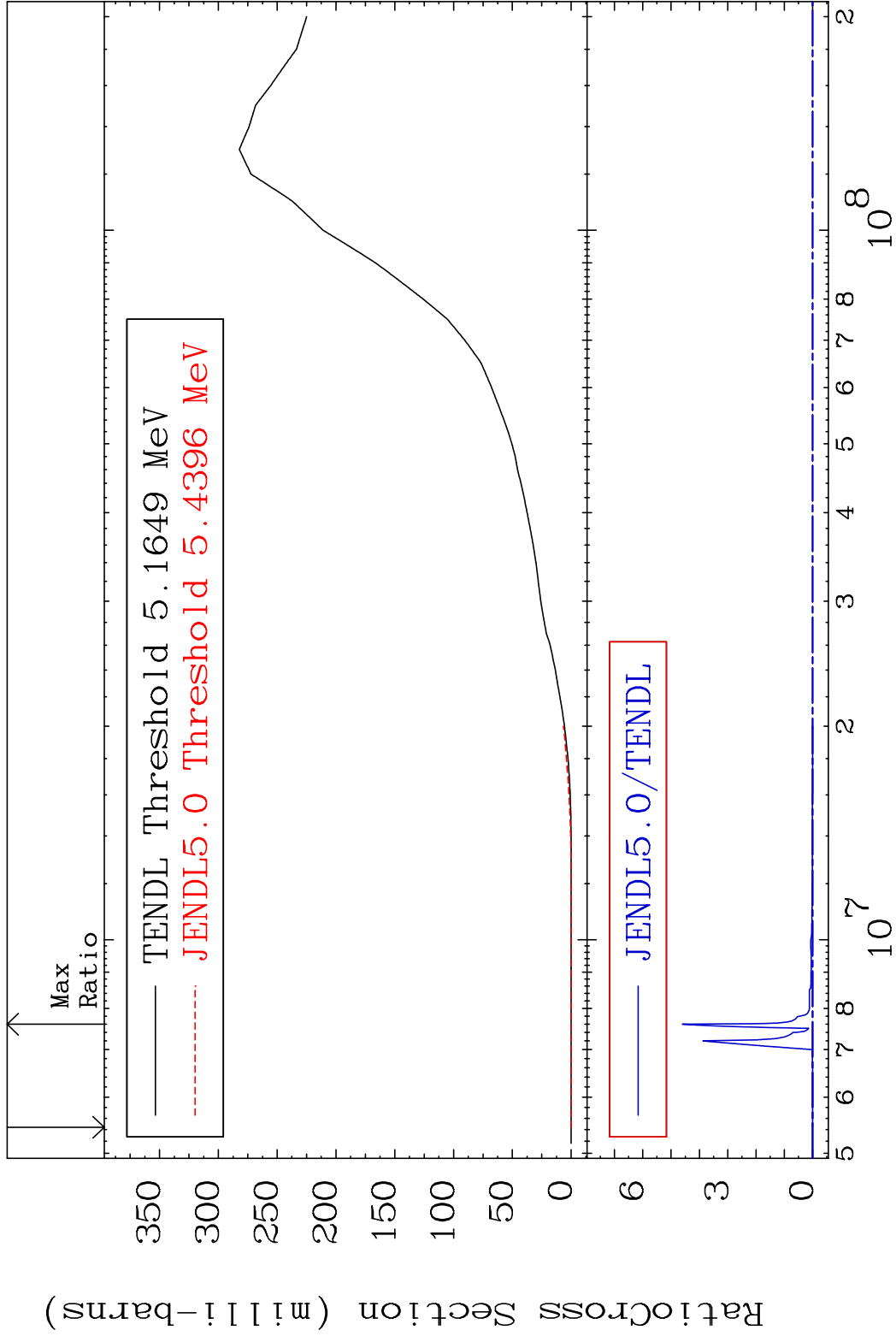


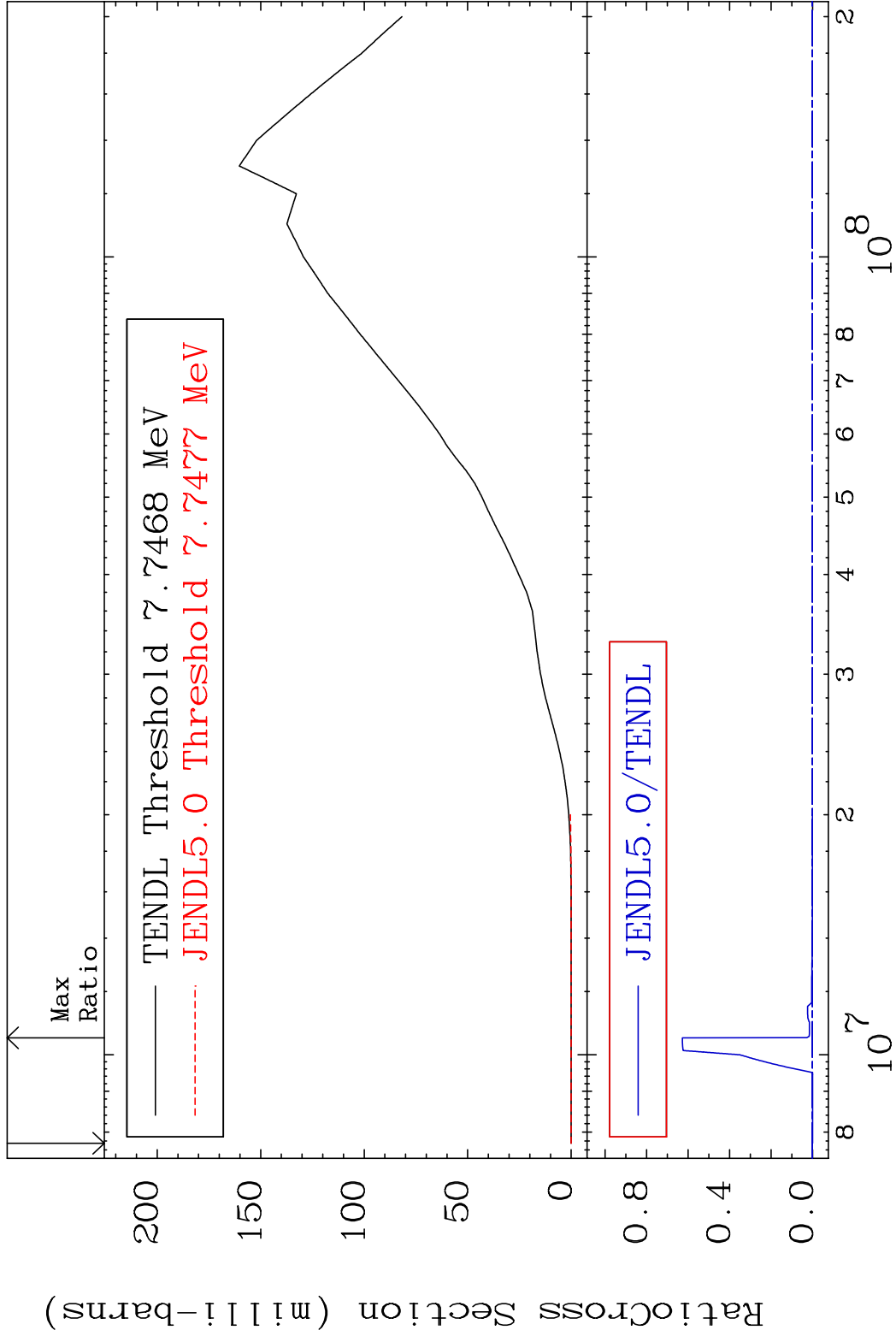


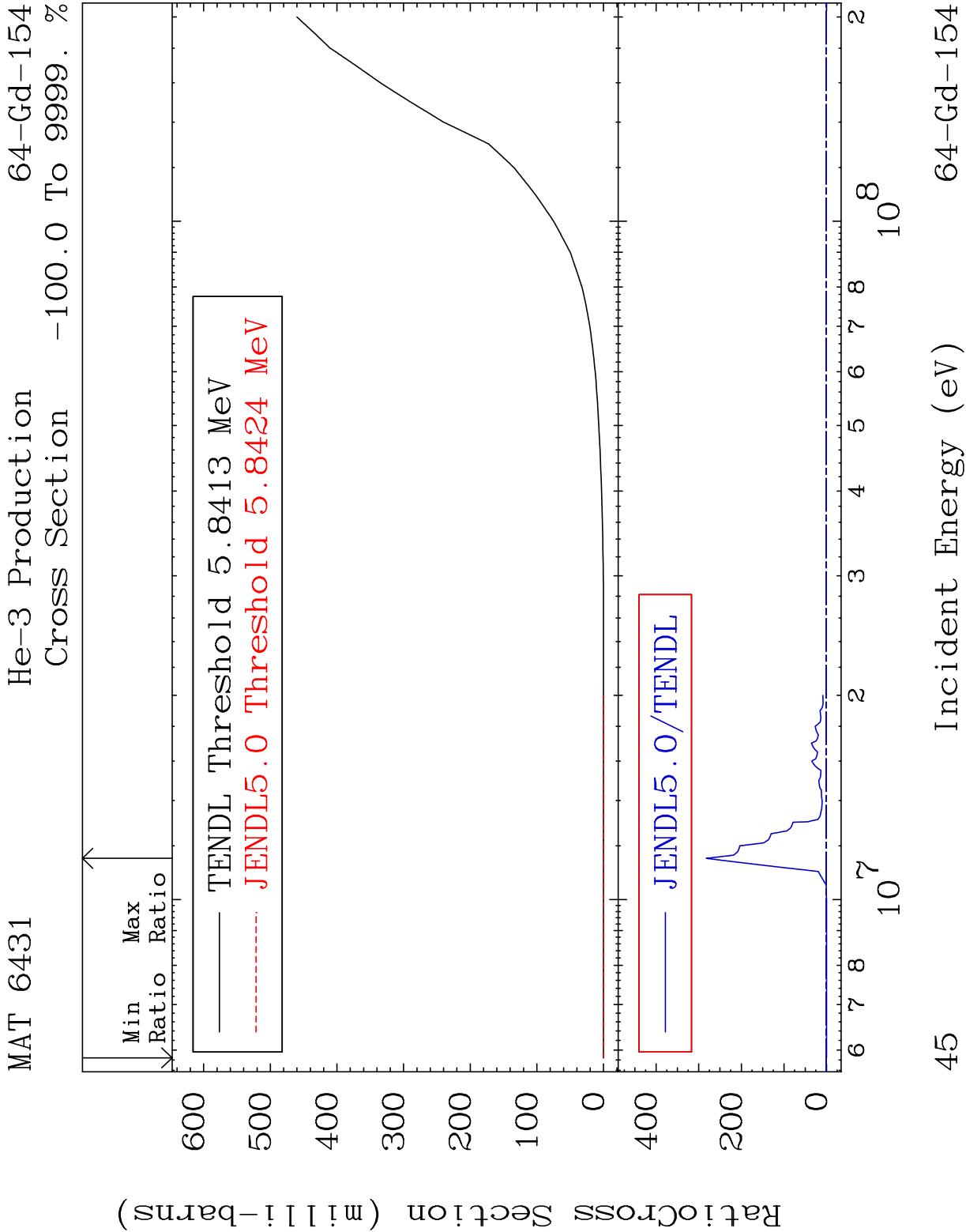


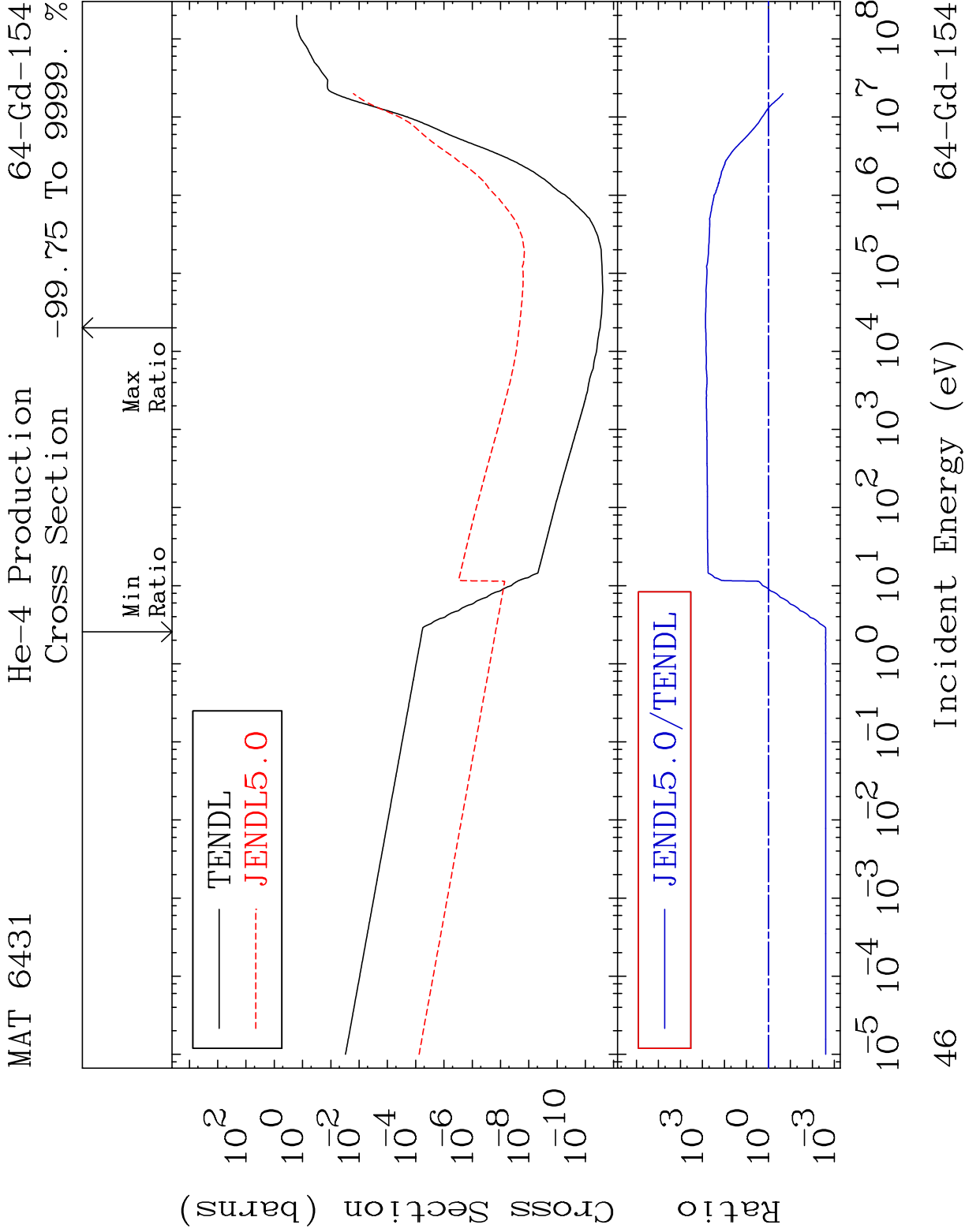




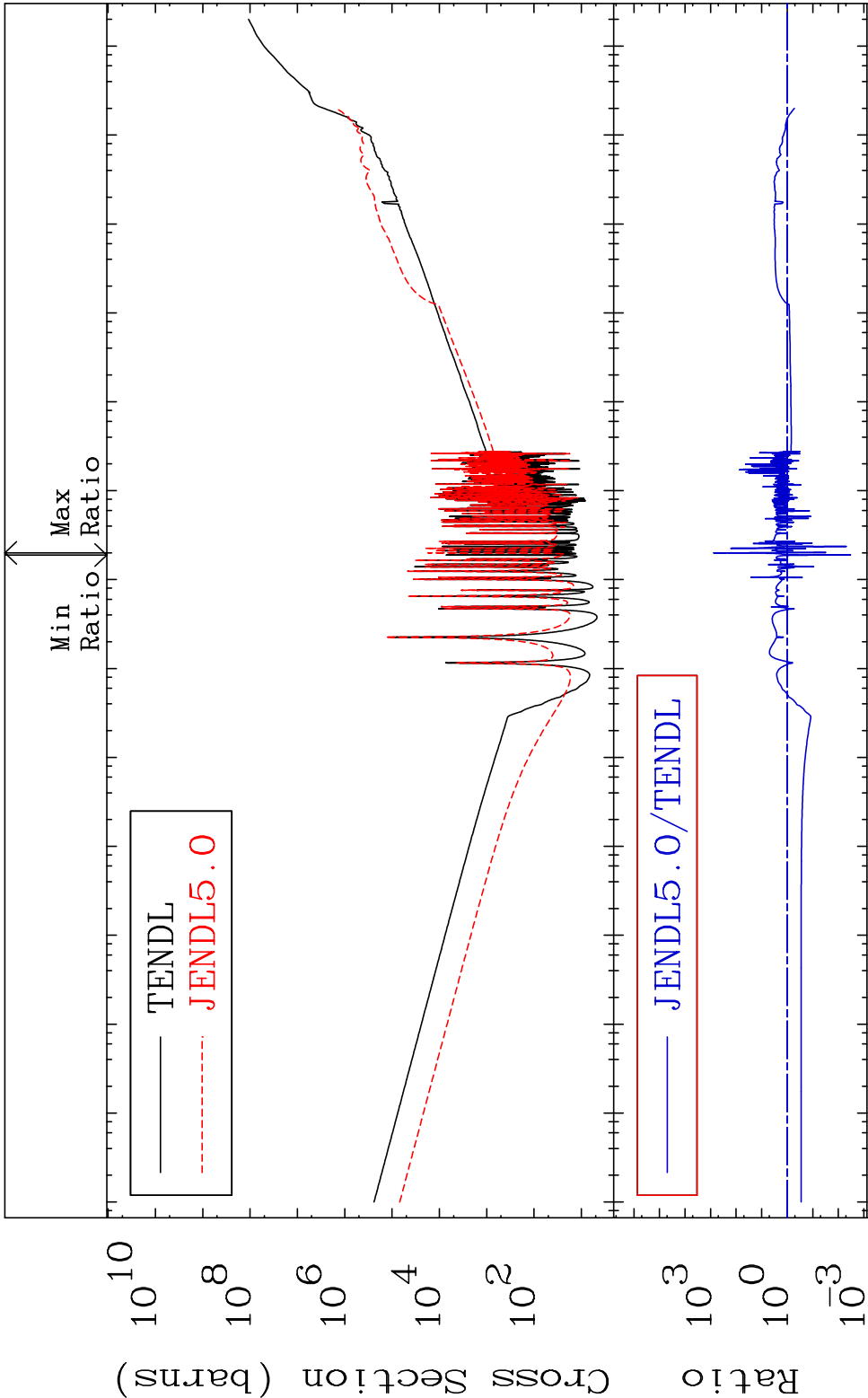






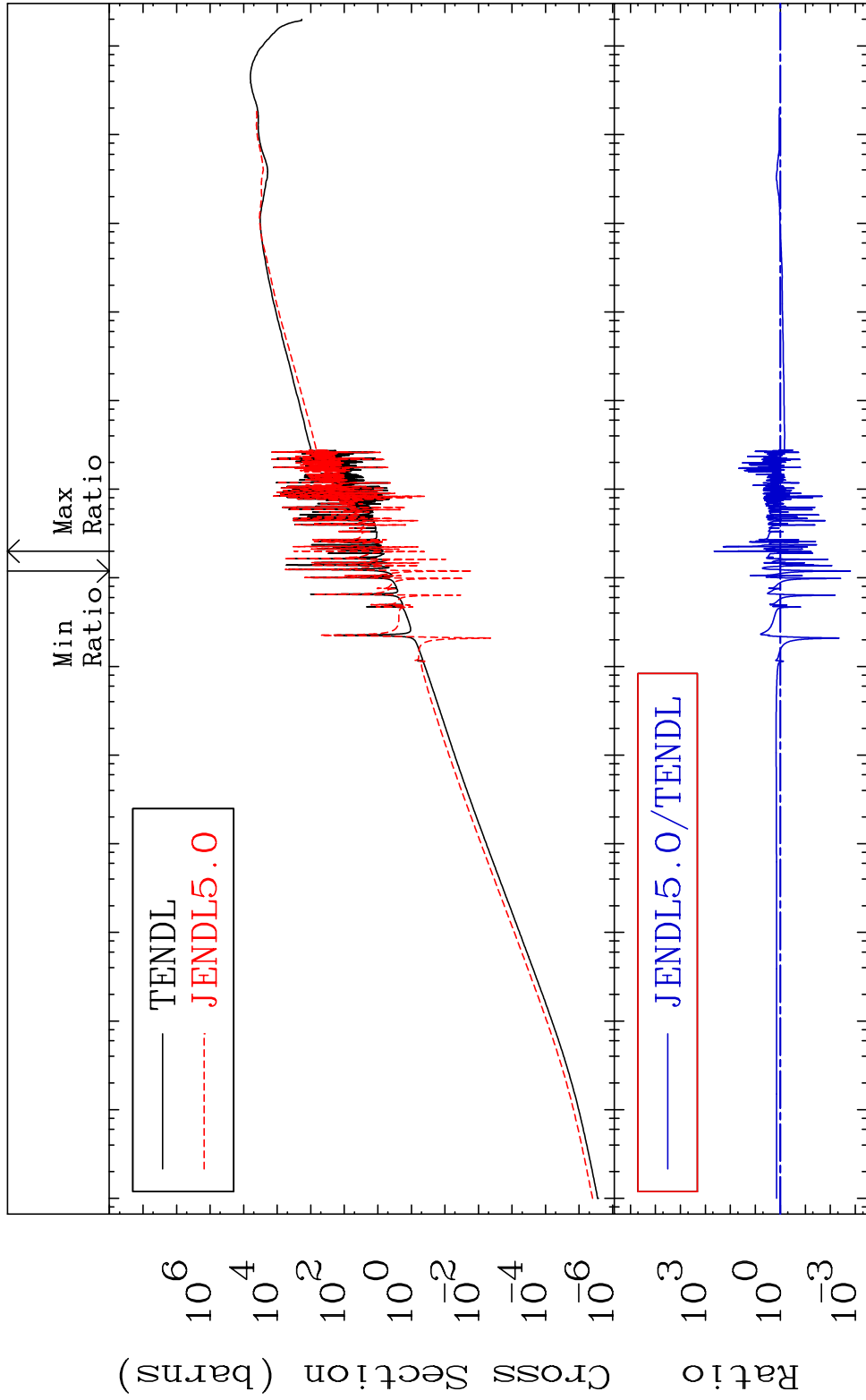


MAT 6431 Kerma total (eV-barns) 64-Gd-154
Cross Section -99.66 To 9999. %



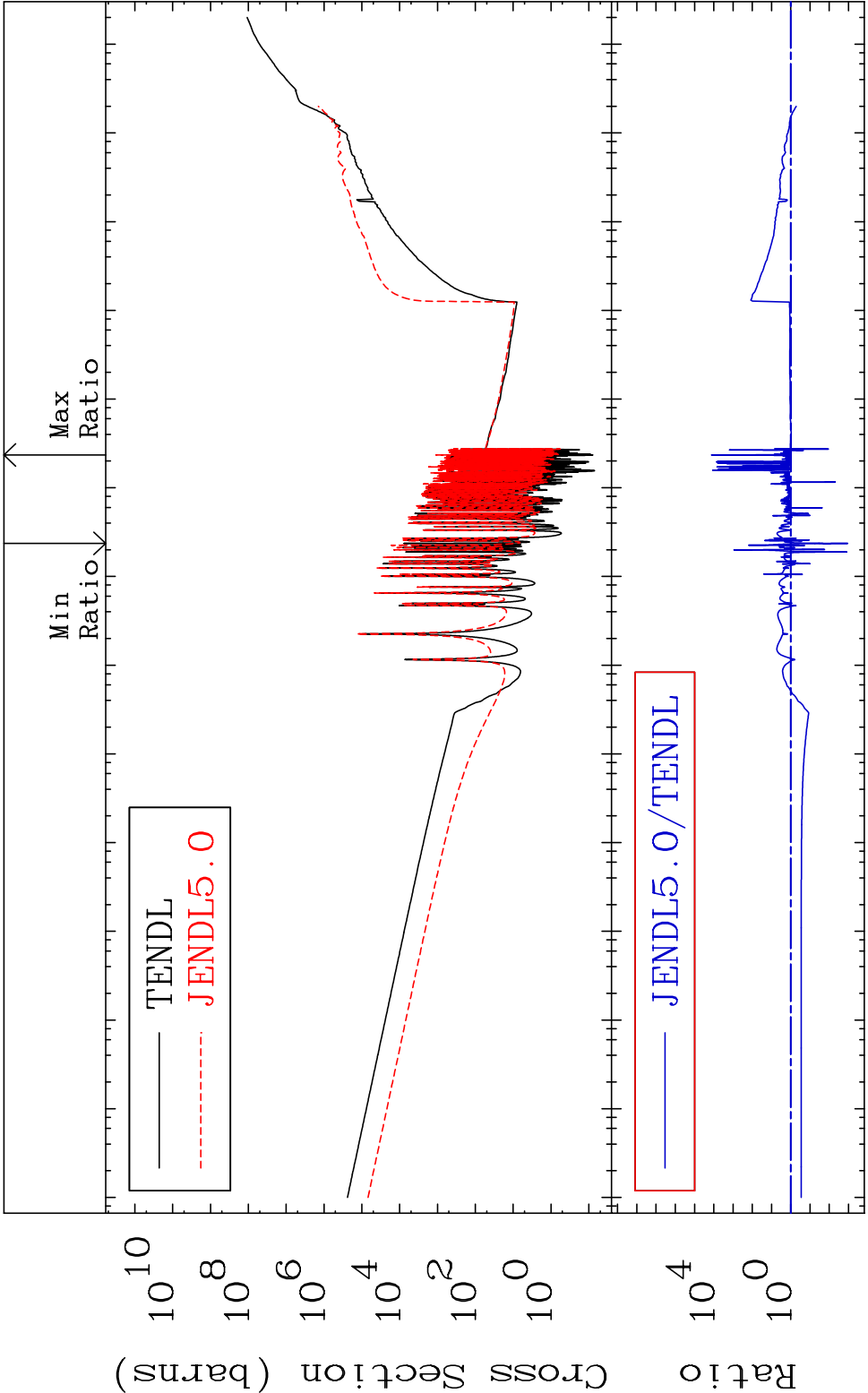
47 Incident Energy (eV) 64-Gd-154

MAT 6431 Kerma elastic 64-Gd-154
Cross Section -99.84 To 9999. %



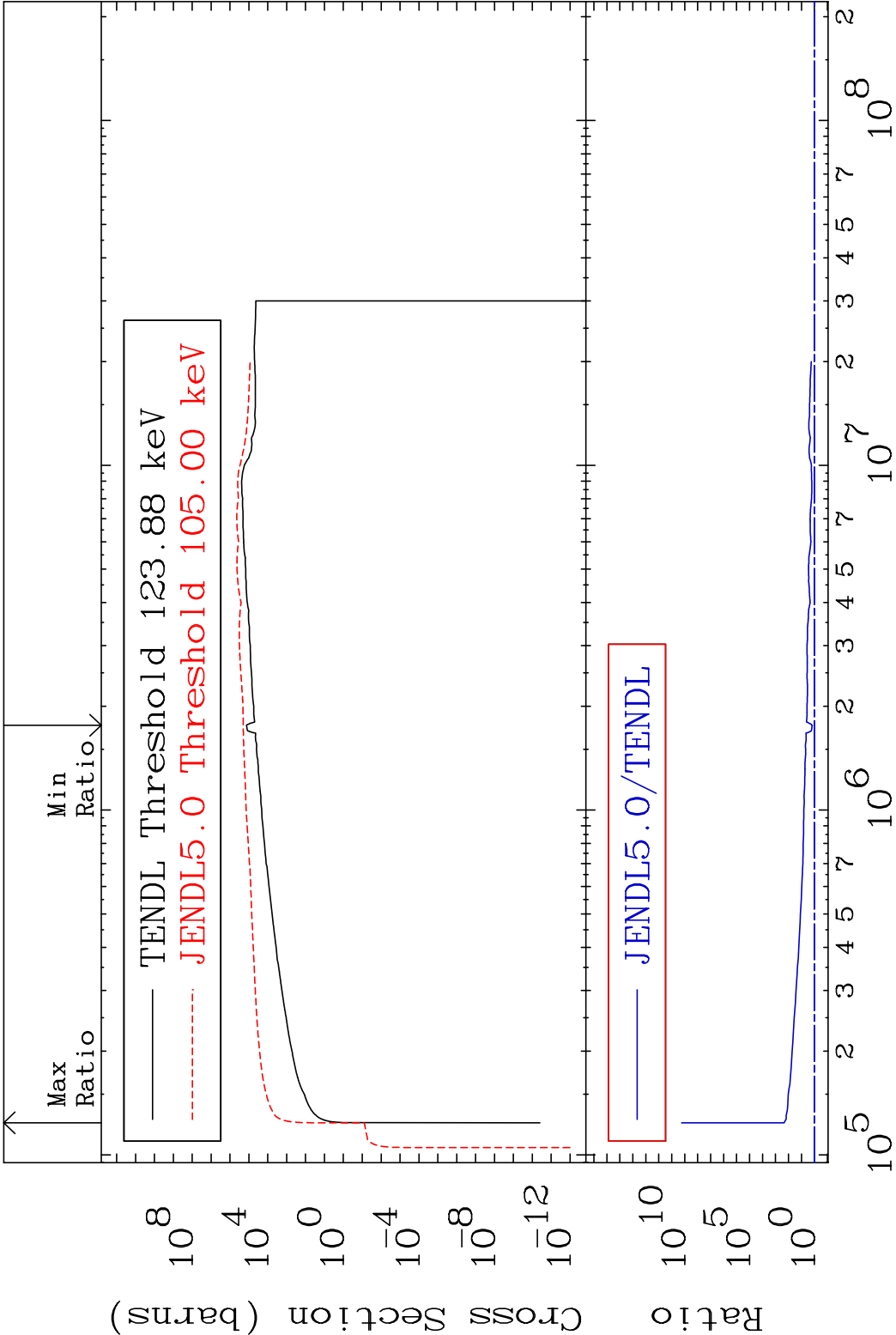
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

MAT 6431 Kerma non-elastic (all but mt2) 64-Gd-154
Cross Section -99.89 To 9999. %



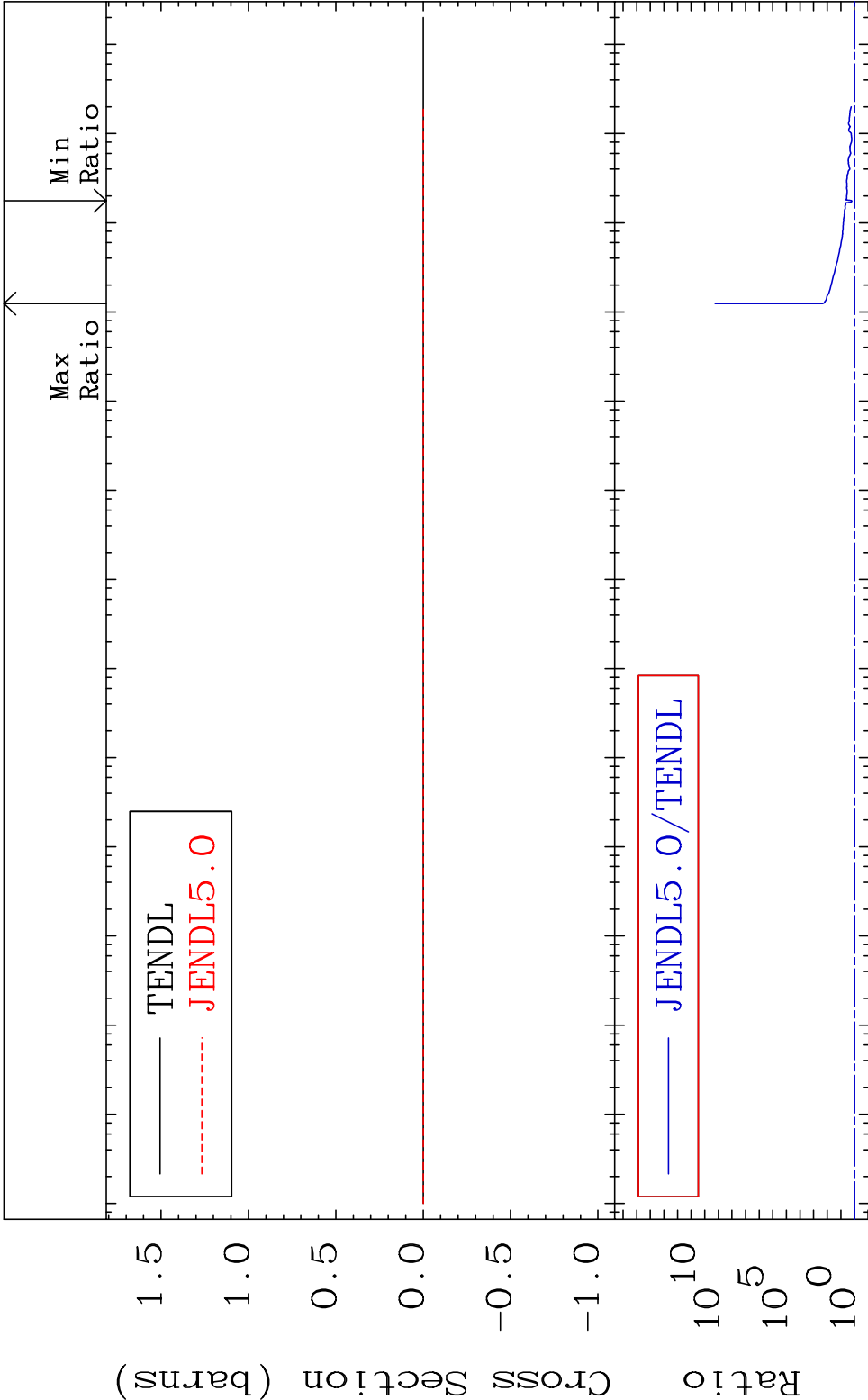
49 Incident Energy (eV) 64-Gd-154

MAT 6431 Kerma inelastic (mt51-91) 64-Gd-154
Cross Section 47.40 To 9999. %

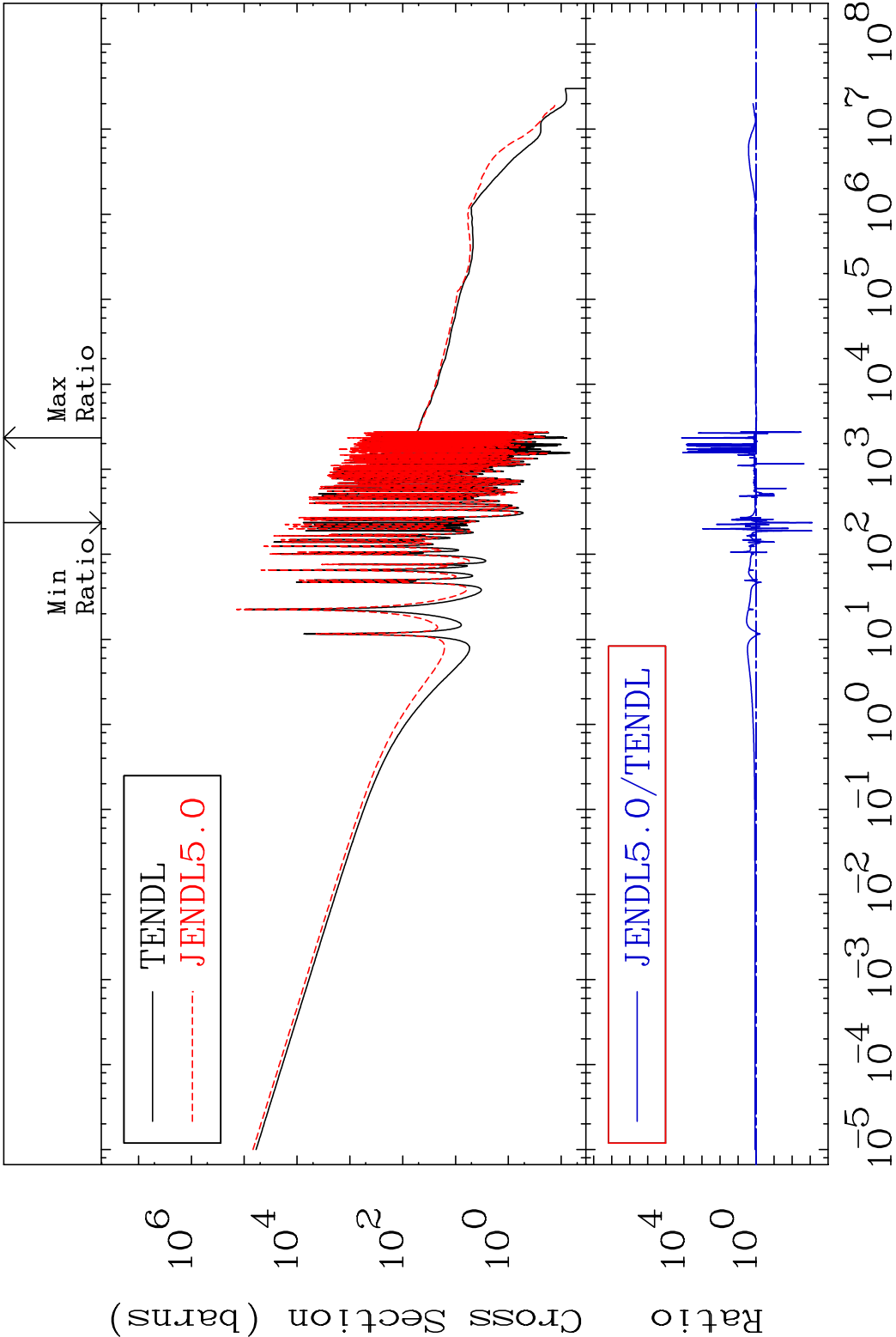


50 Incident Energy (eV) 64-Gd-154

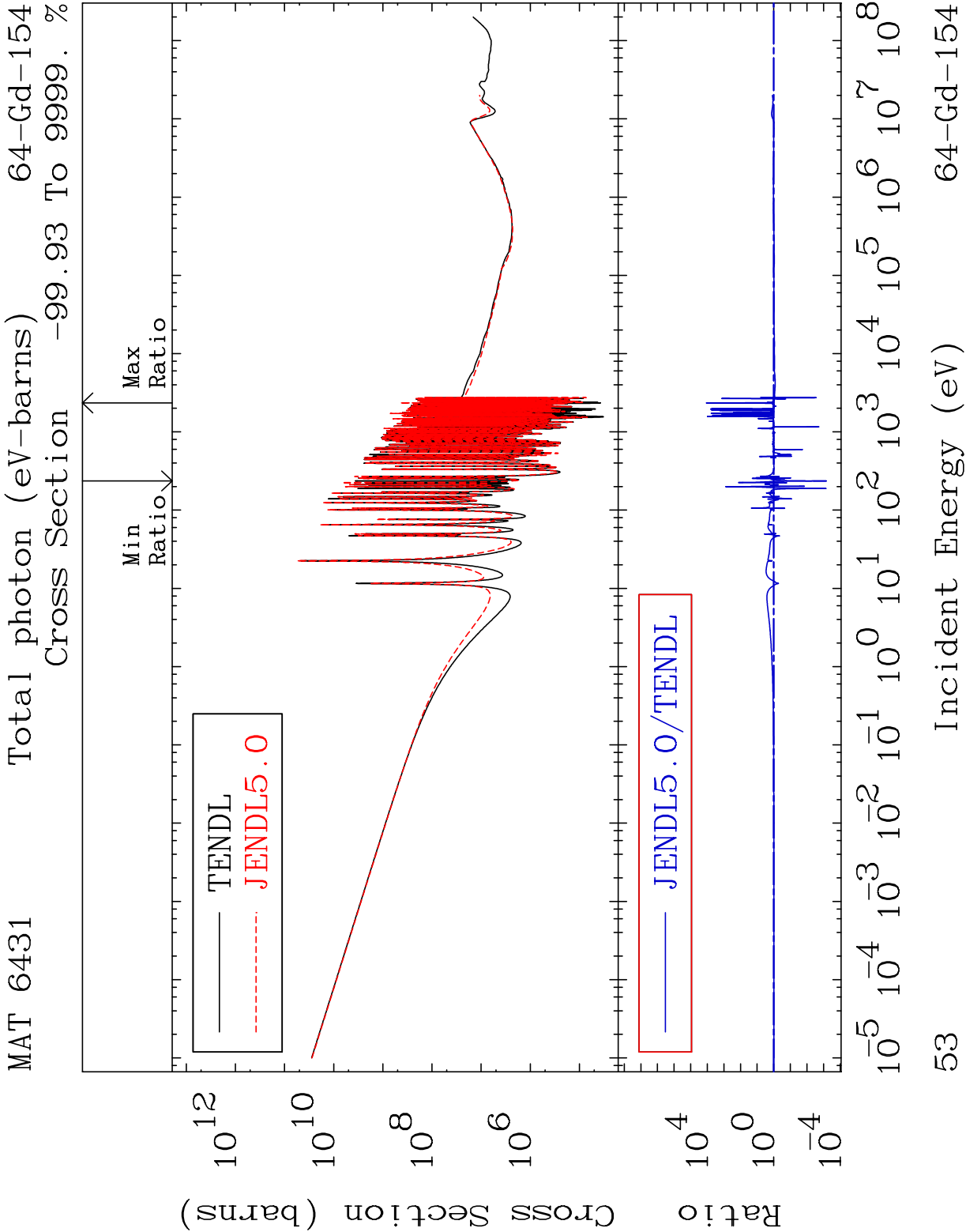
MAT 6431 Kerma fission (mt18 or mt19-20-21-38)64-Gd-154
Cross Section 47.40 To 9999. %



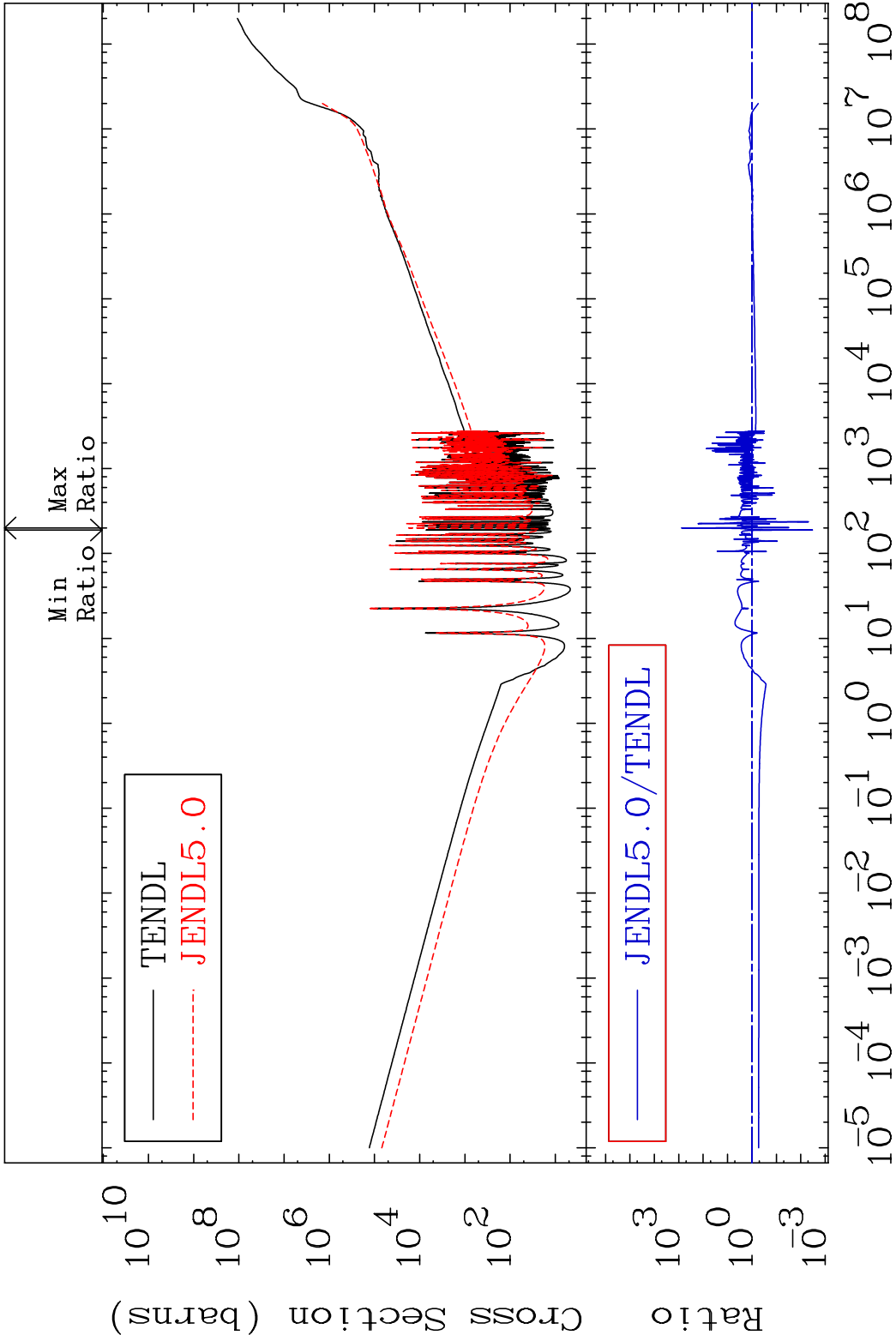
MAT 6431 Kerma capture (mt102) 64-Gd-154
Cross Section -99.92 To 9999. %



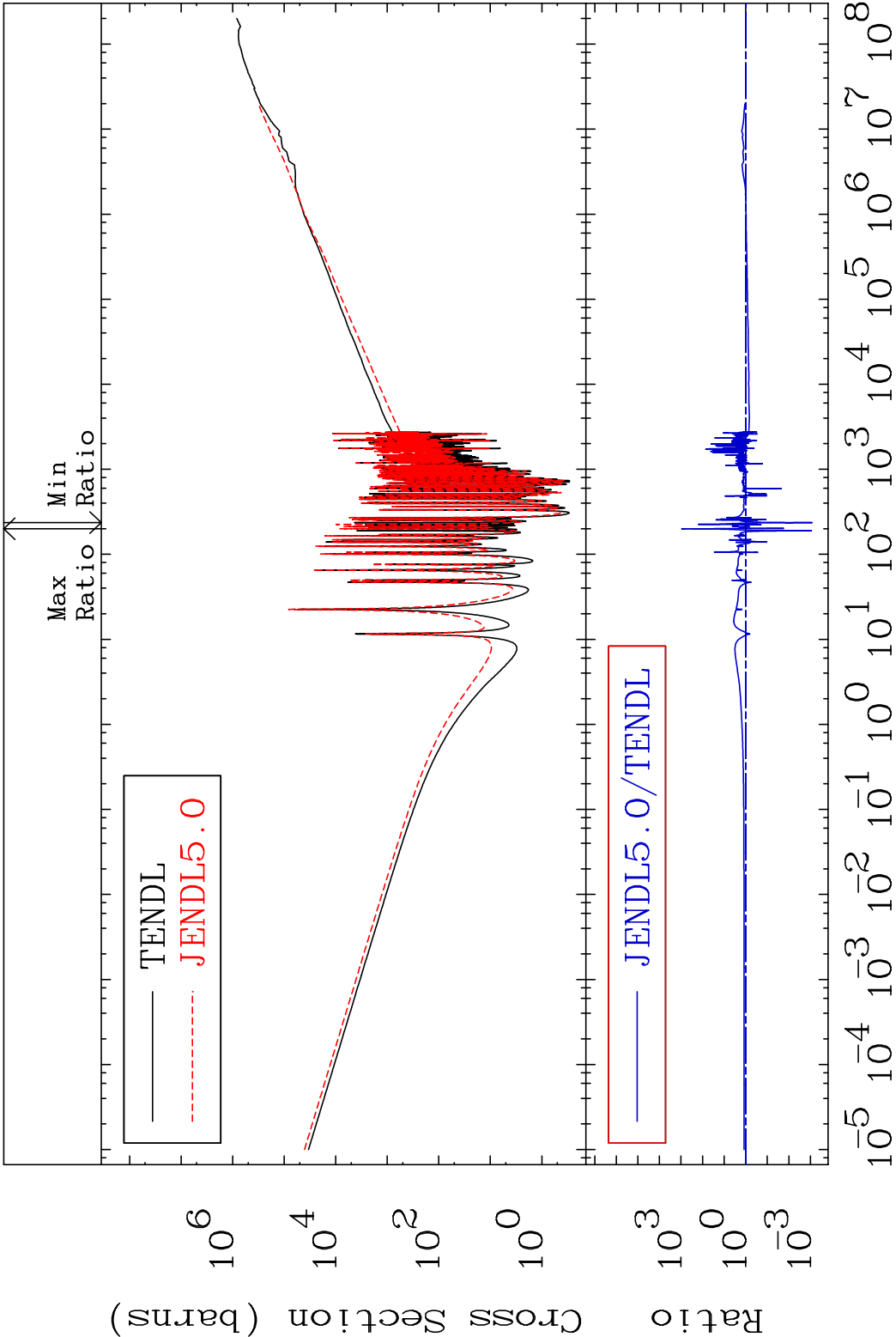
52 Incident Energy (eV) 64-Gd-154



MAT 6431 Total kinematic kerma (high limit) 64-Gd-154
Cross Section -99.66 To 9999. %

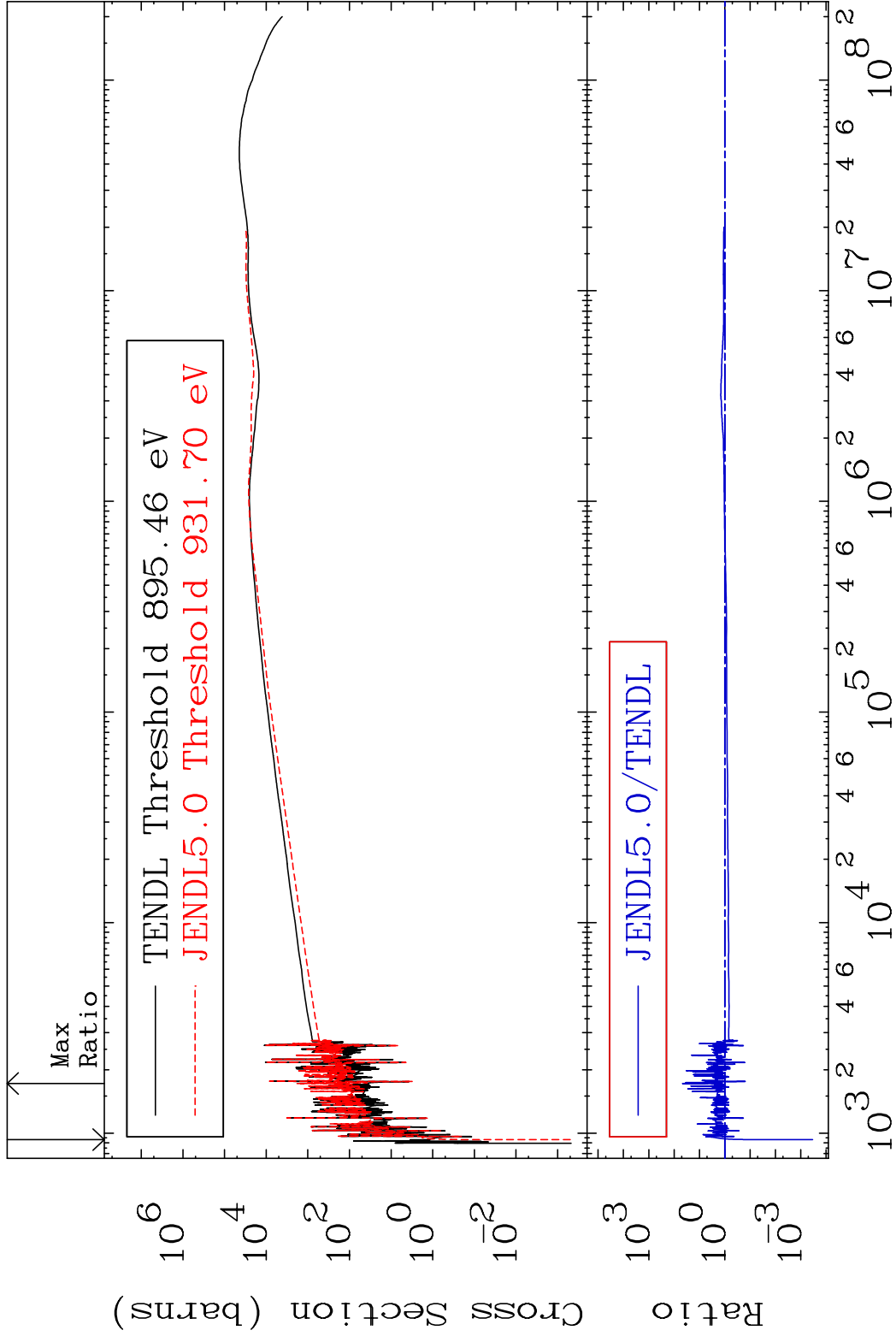


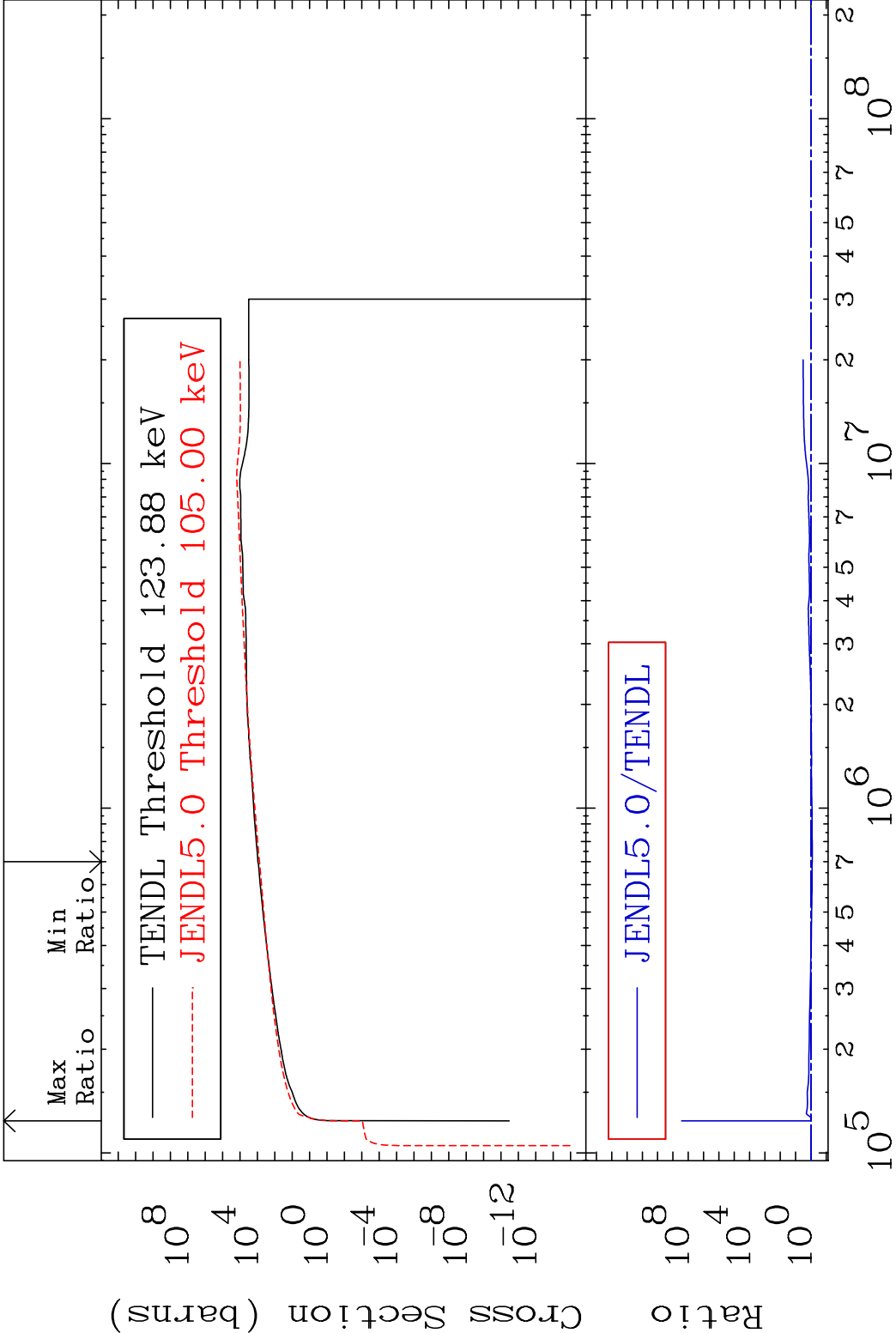
MAT 6431 Dpa total (eV-barns) 64-Gd-154
Cross Section -99.92 To 9999. %



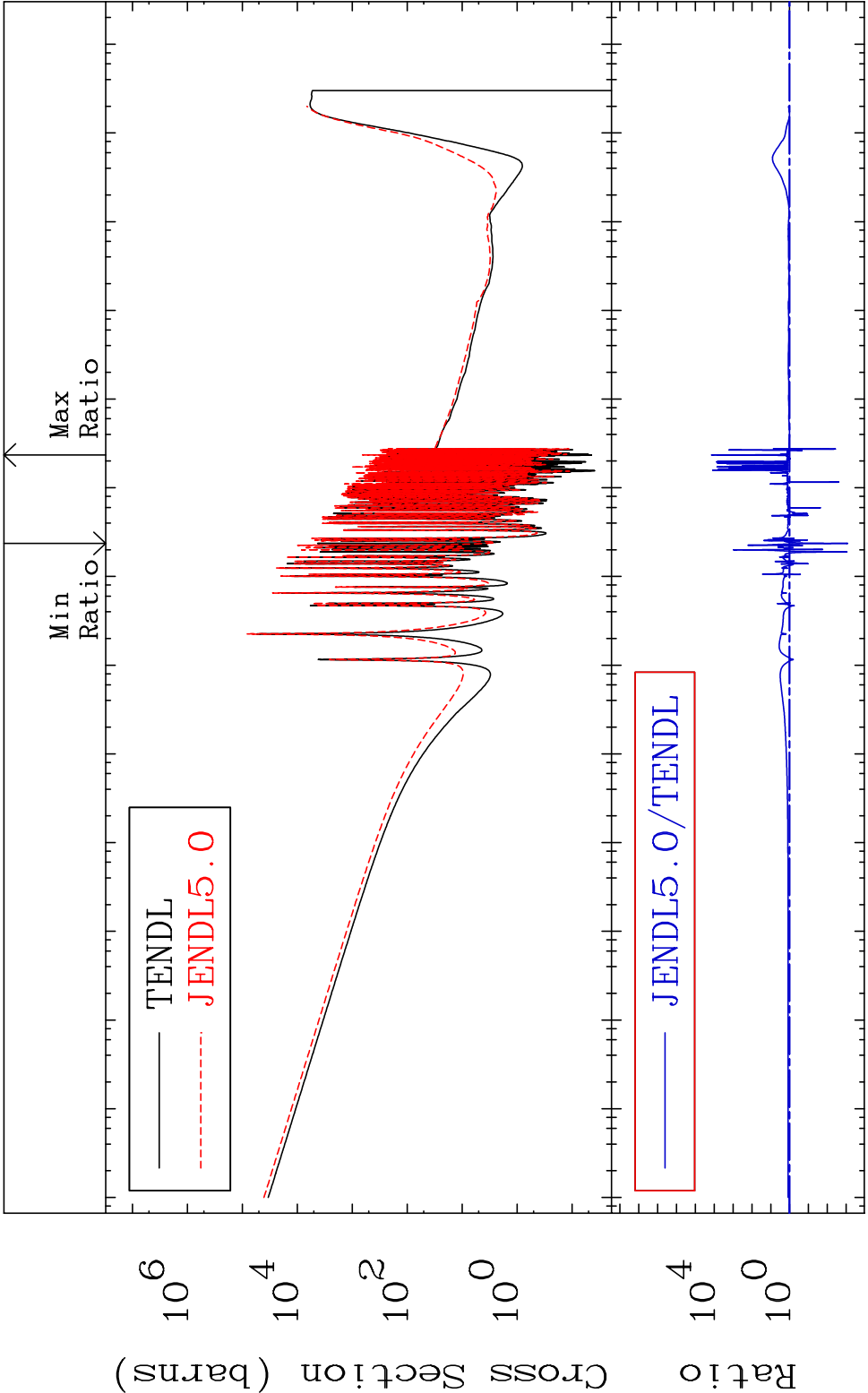
55 Incident Energy (eV) 64-Gd-154

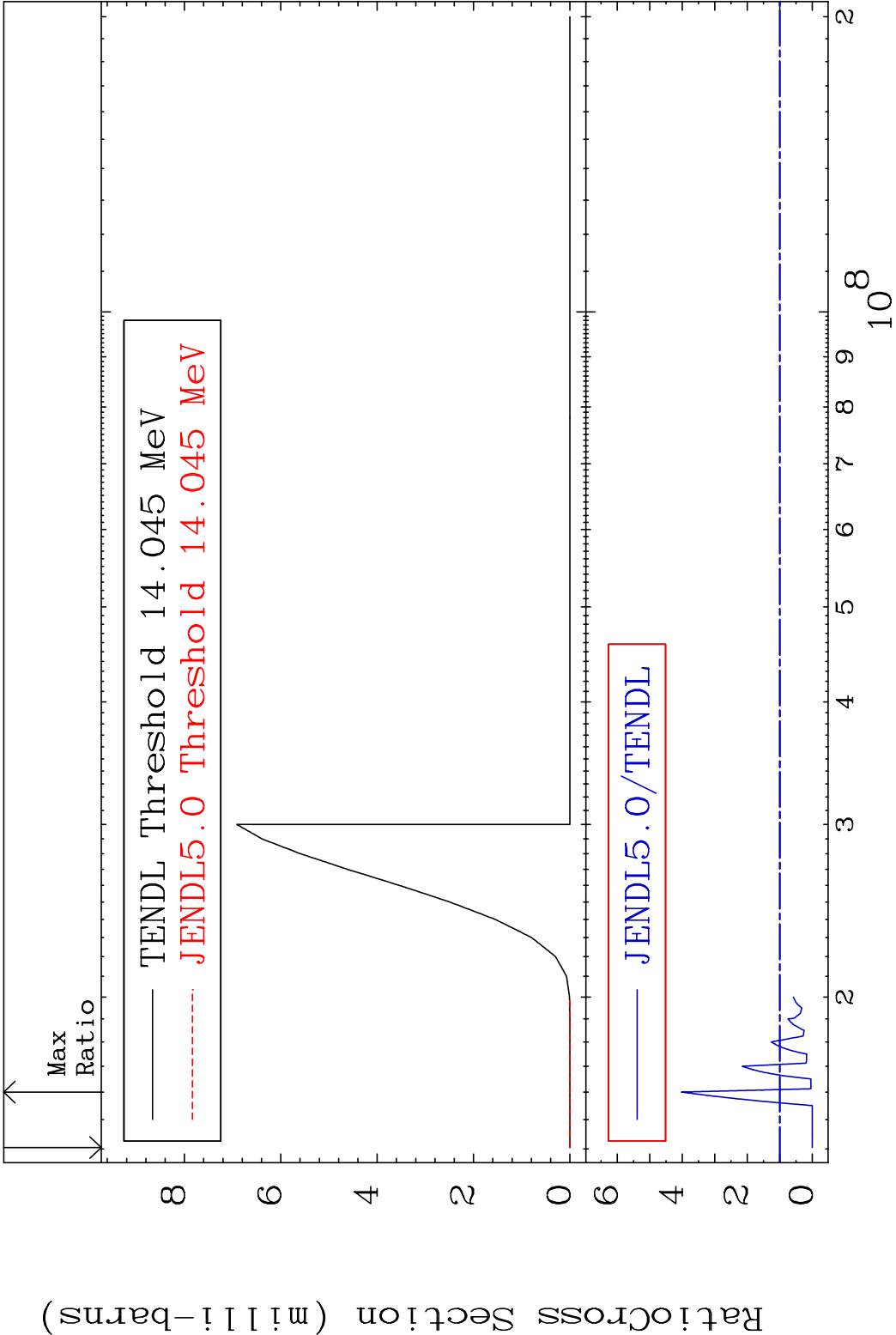
MAT 6431 Dpa elastic (mt2) 64-Gd-154
Cross Section -99.97 To 4608. %

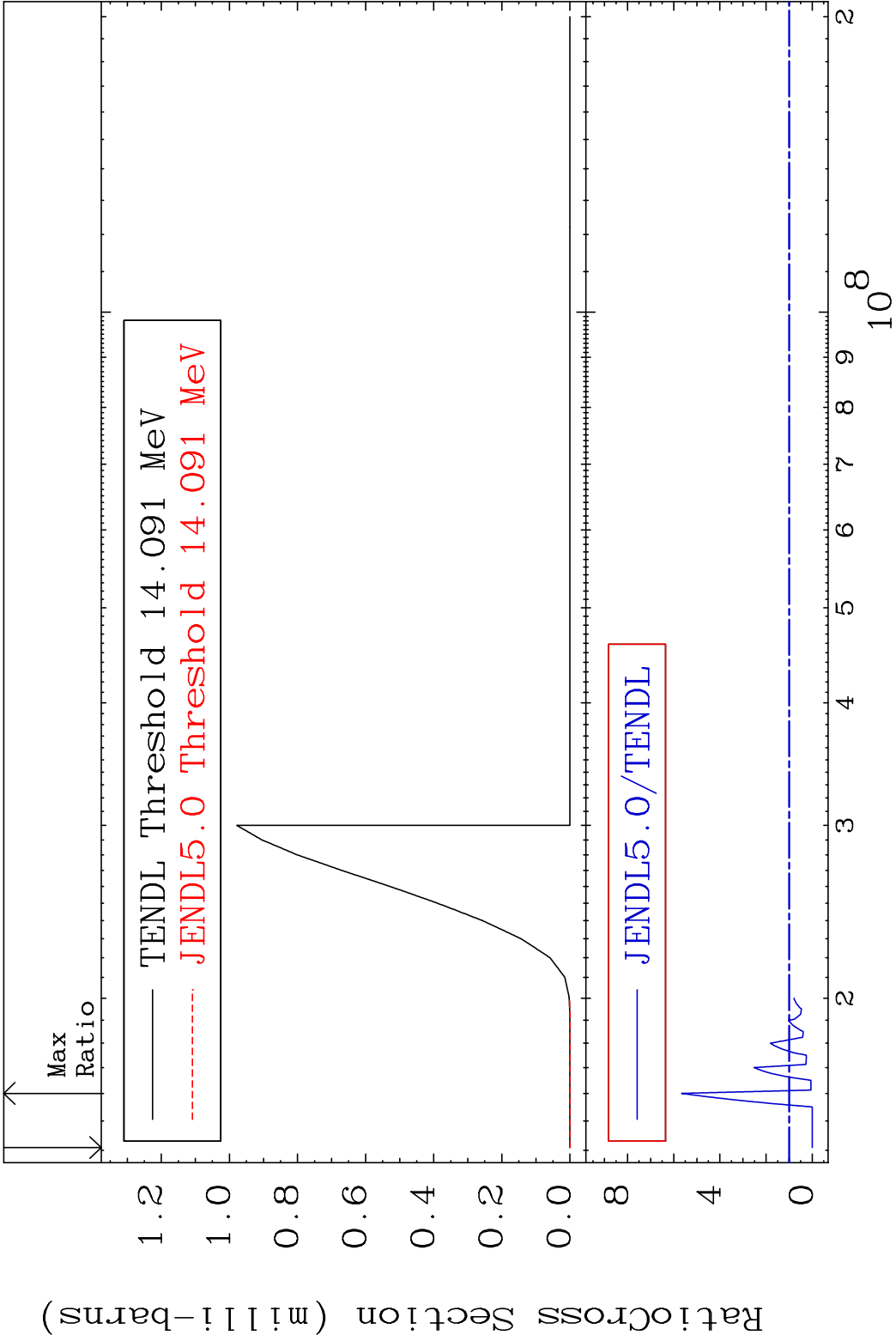


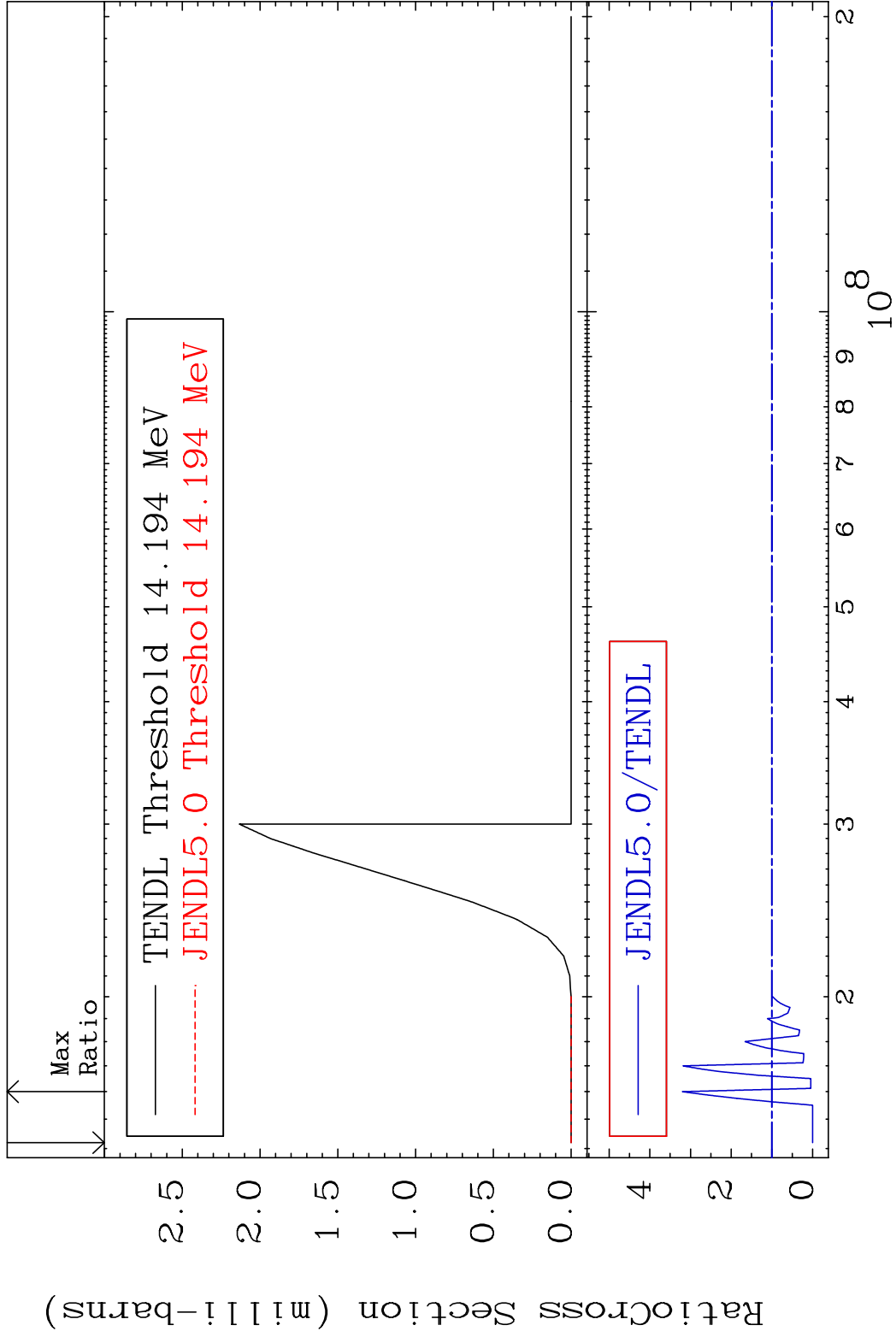


MAT 6431 Dpa disappearance (mt102 -120) 64-Gd-154
Cross Section -99.92 To 9999. %

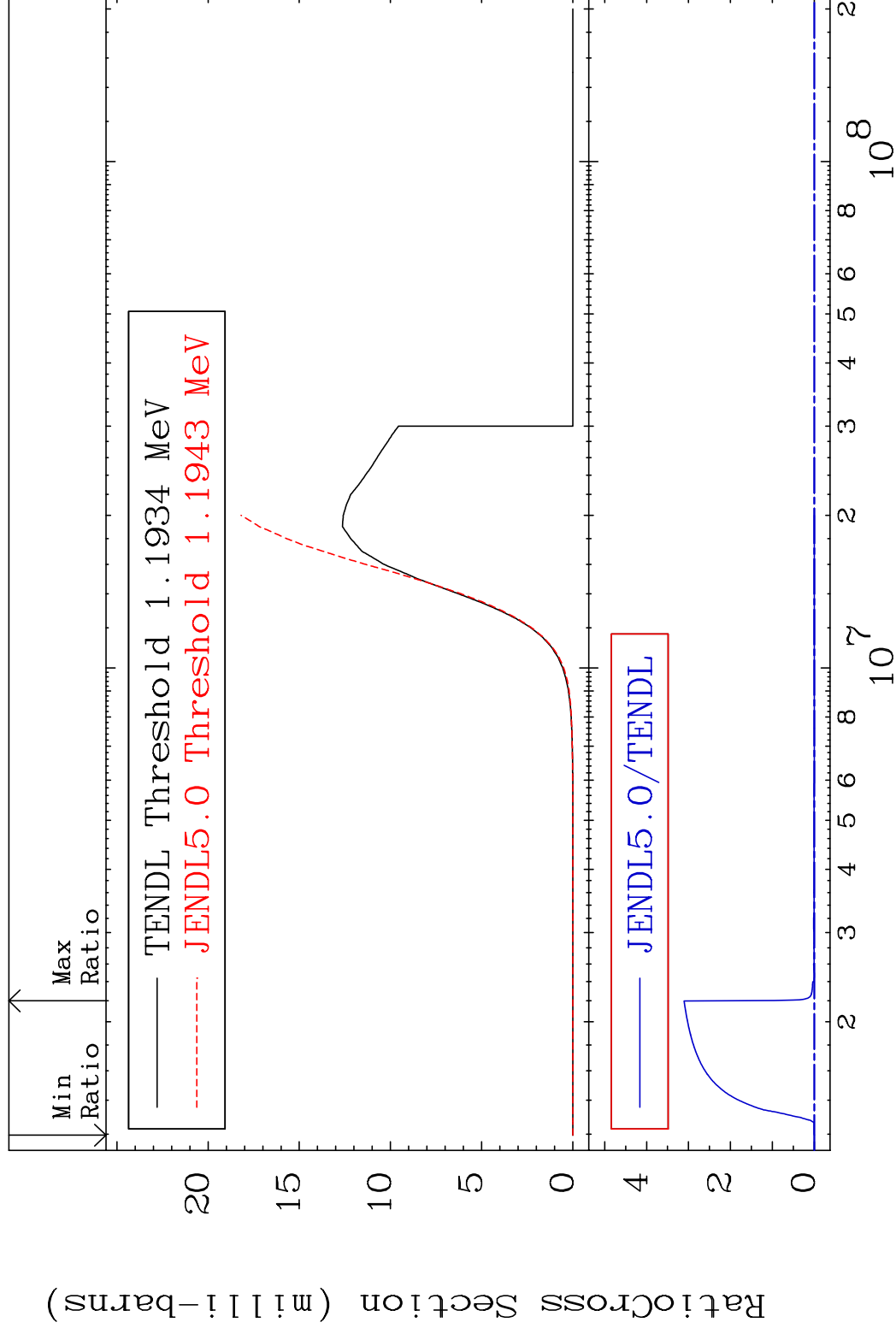


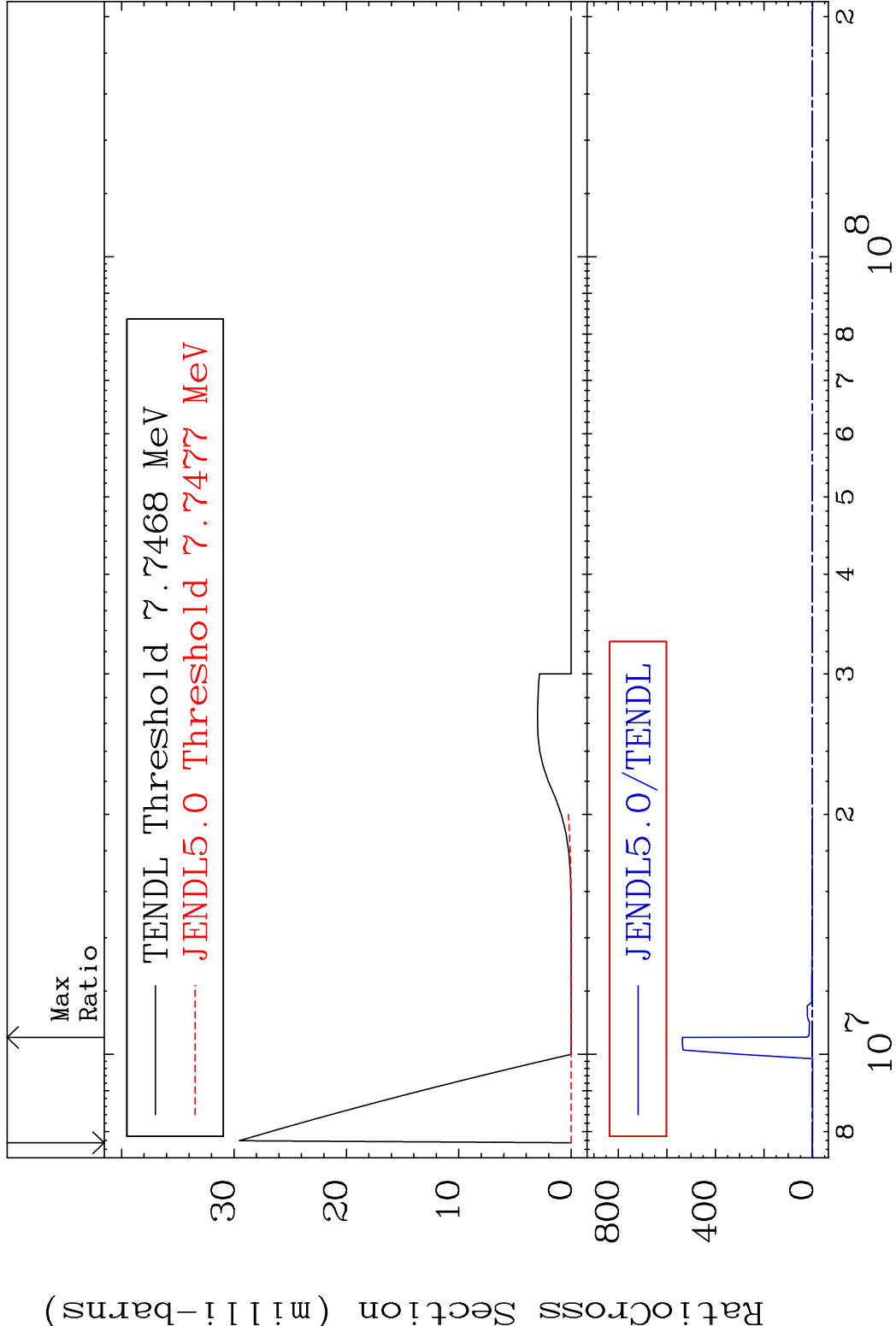


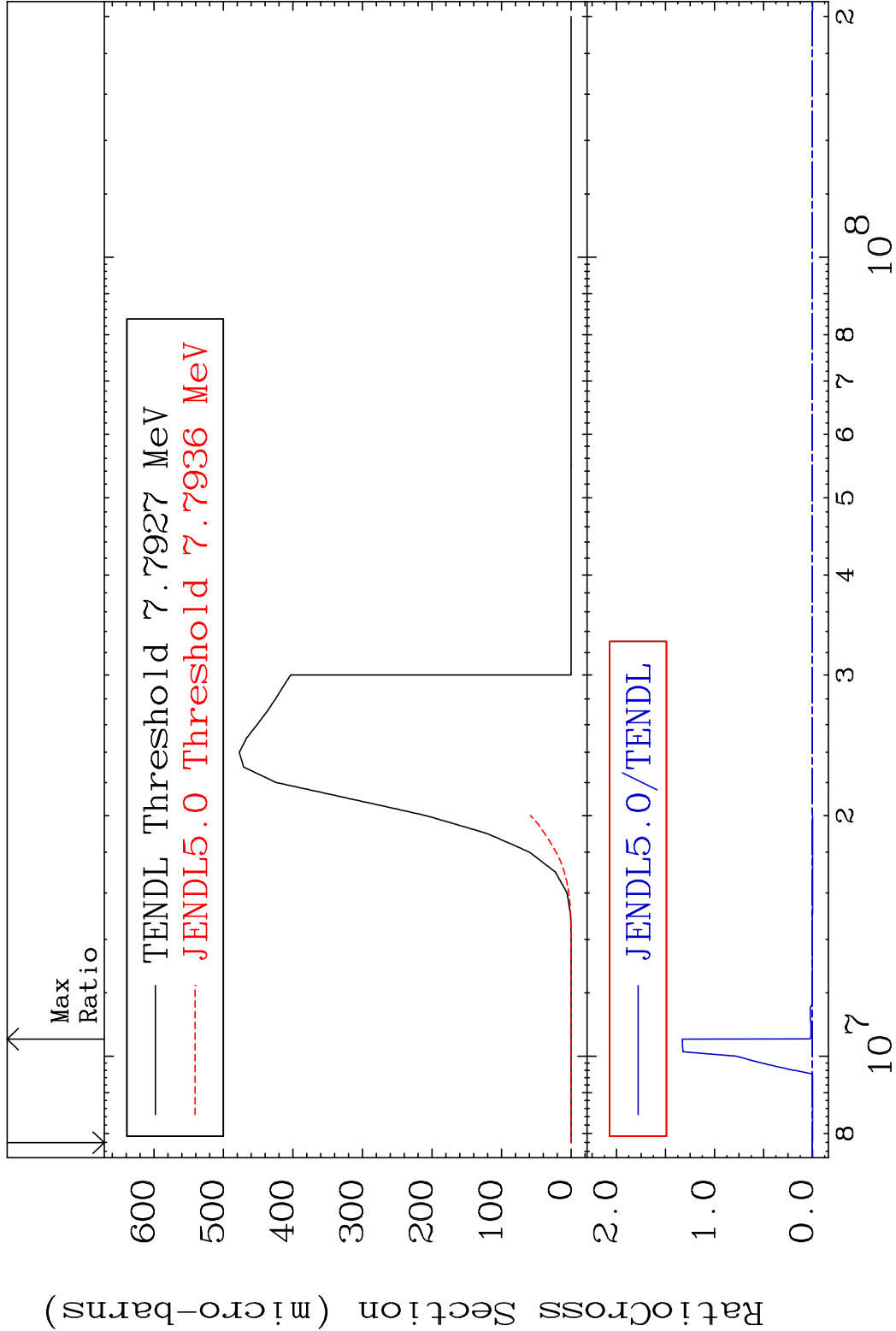


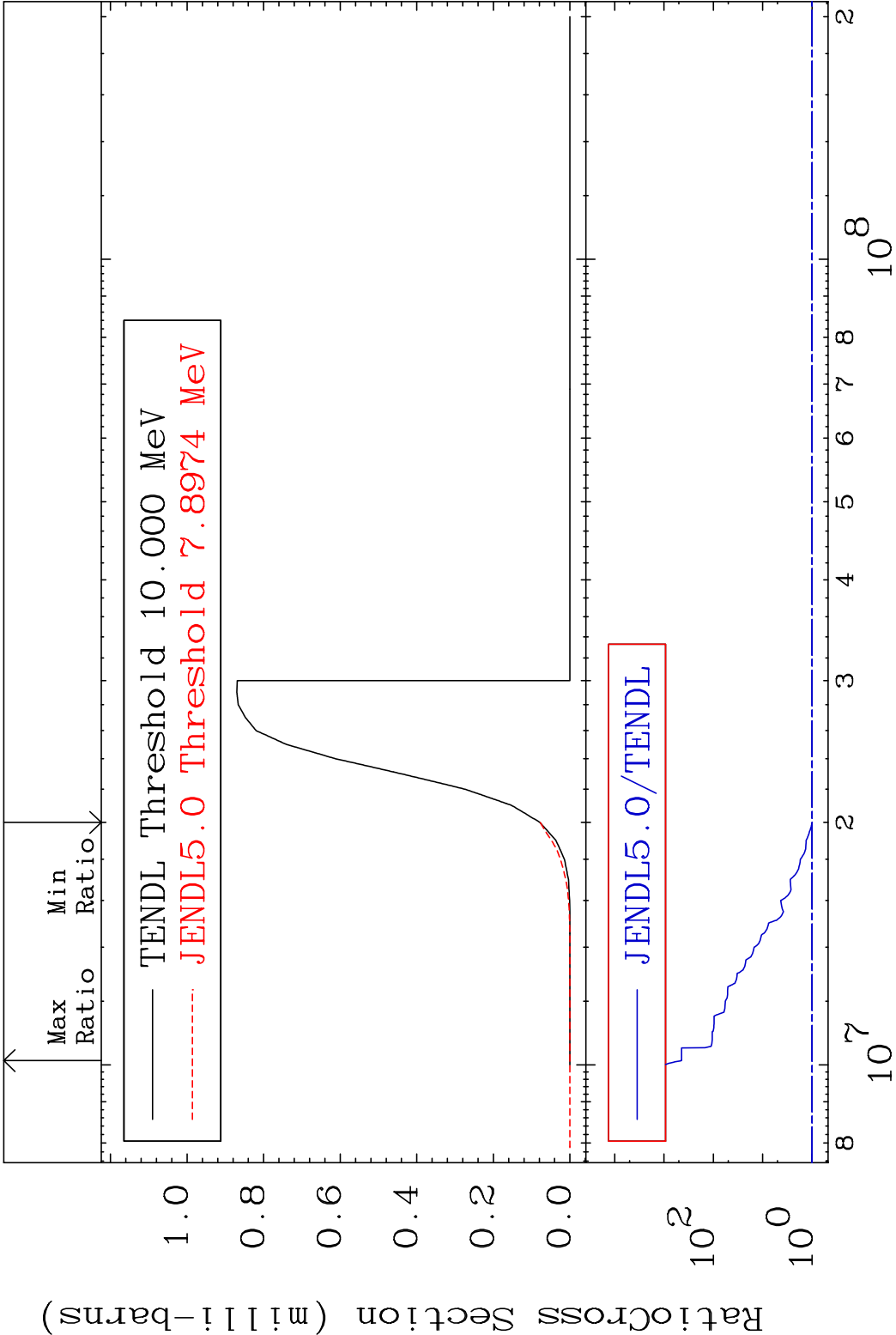


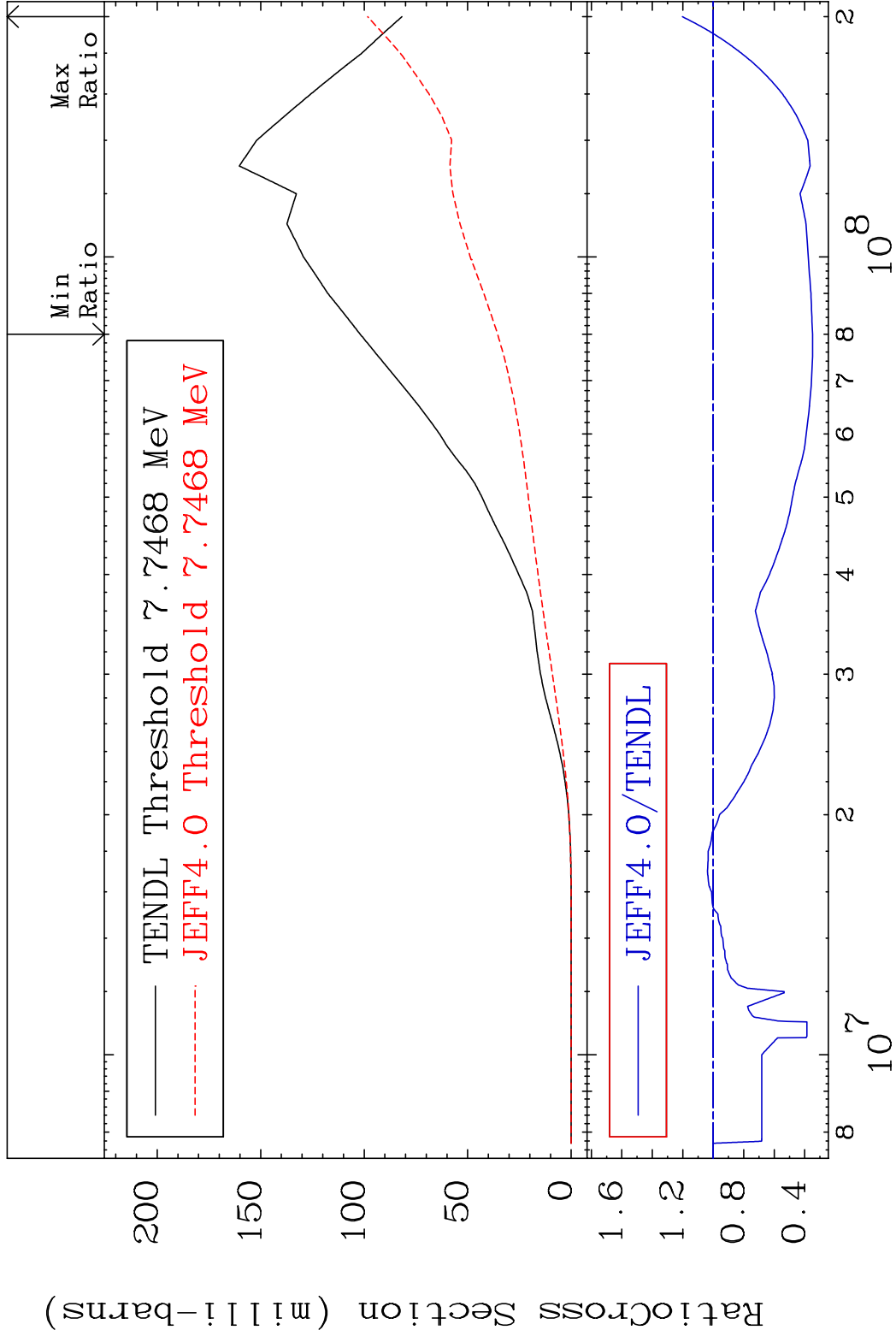
Radionuclide Production Cross-Section to 9999. %



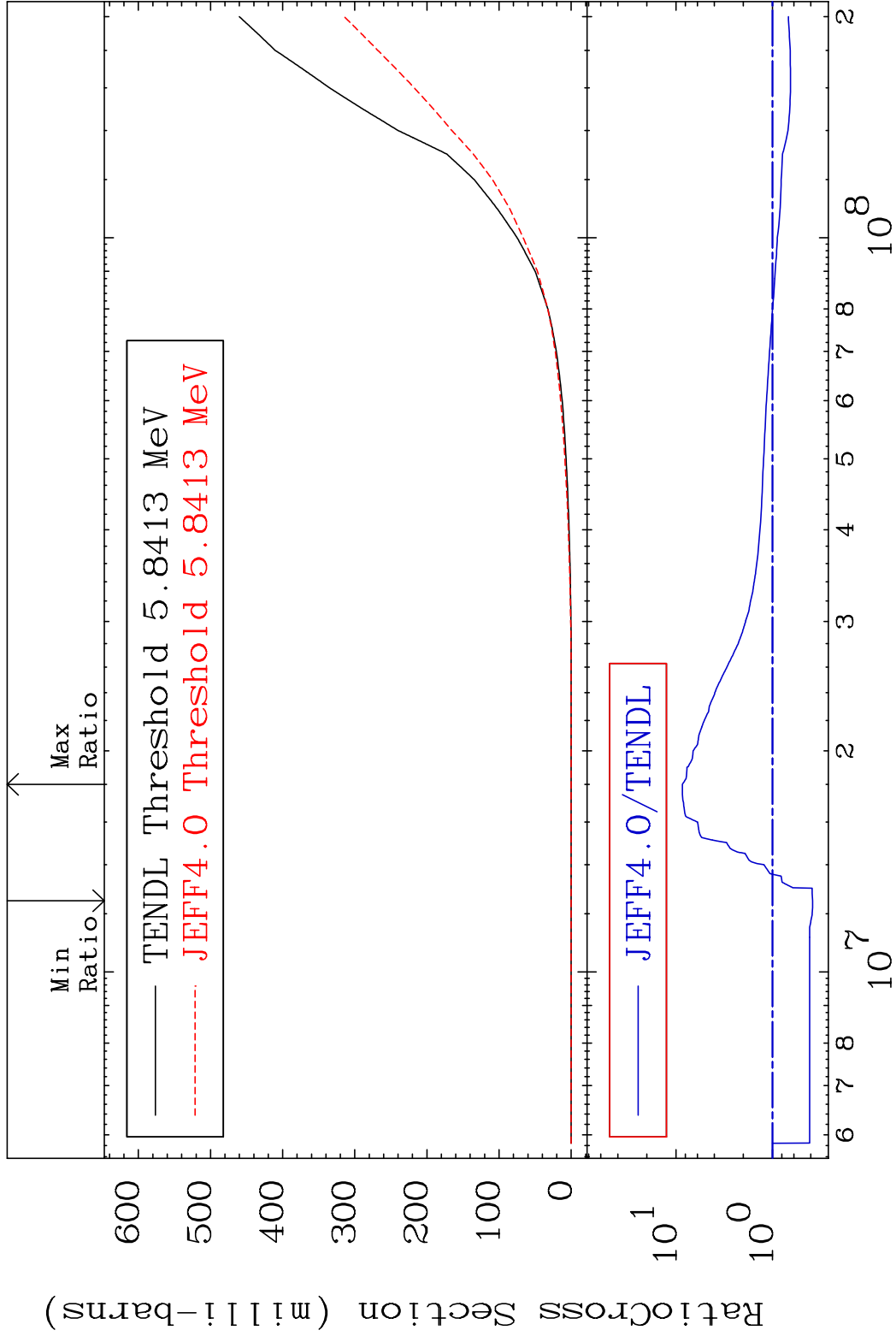






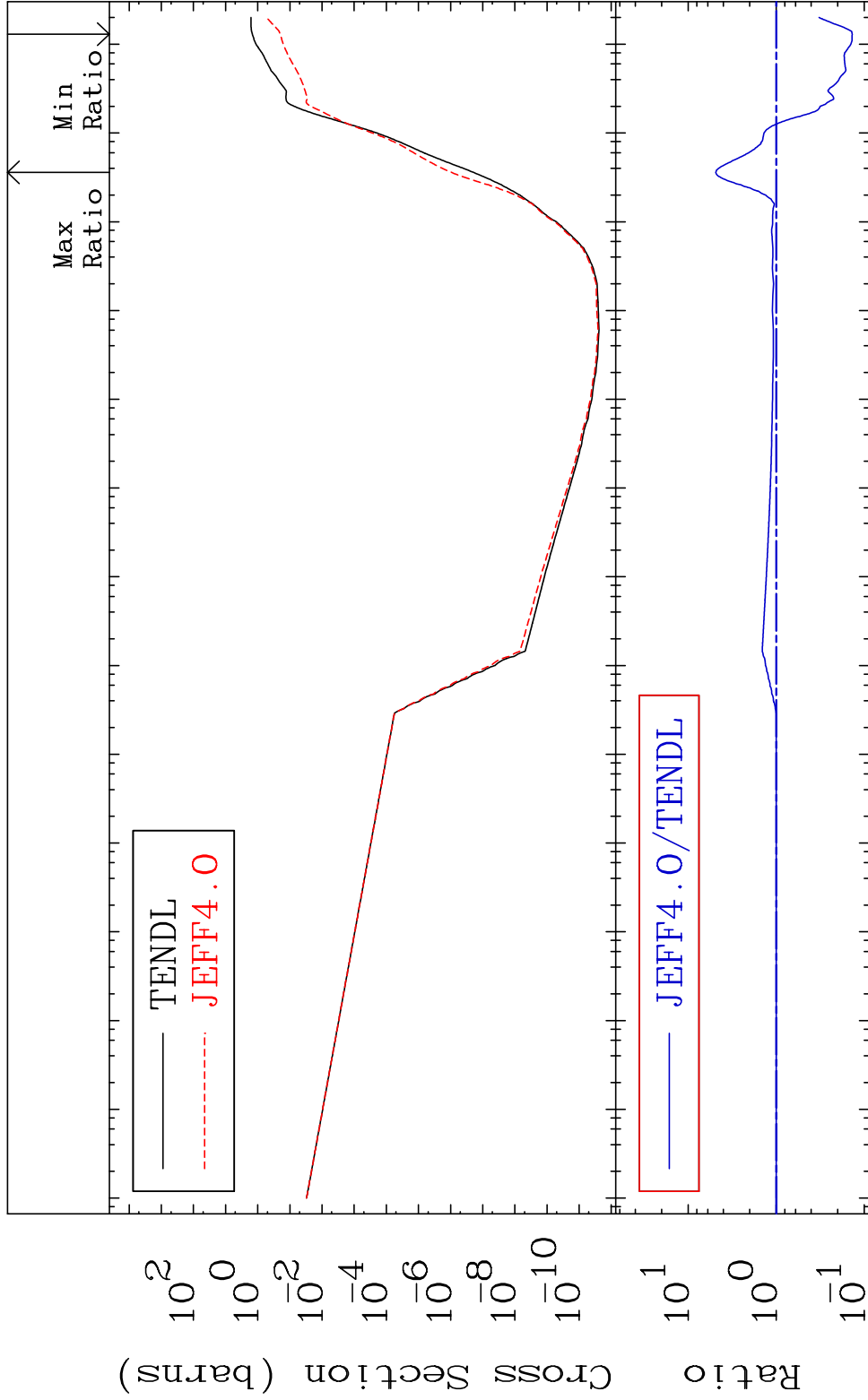


MAT 6431 He-3 Production 64-Gd-154
Cross Section -61.59 To 757.6 %

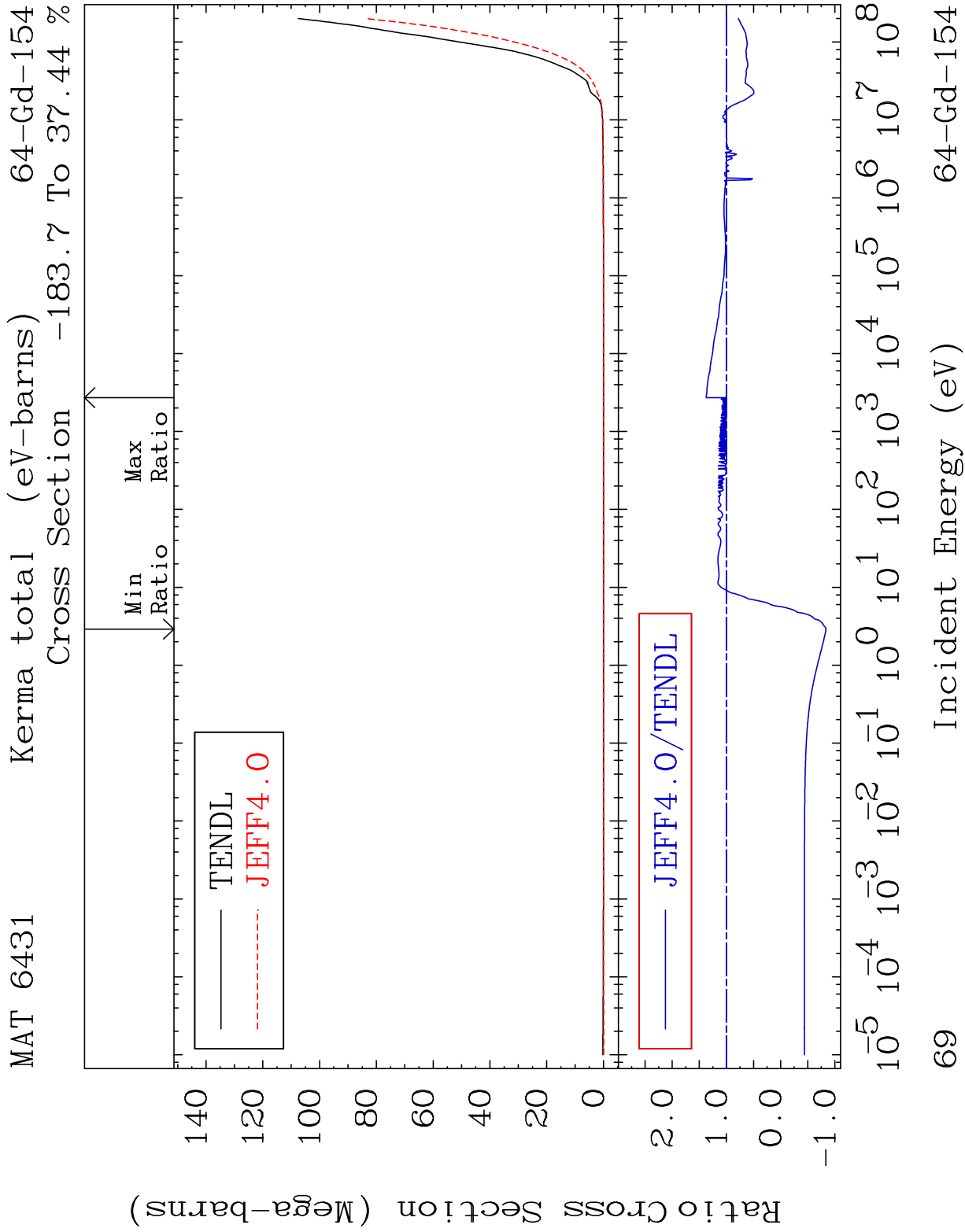


67 Incident Energy (eV) 64-Gd-154

MAT 6431 He-4 Production 64-Gd-154
Cross Section -86.33 To 387.7 %



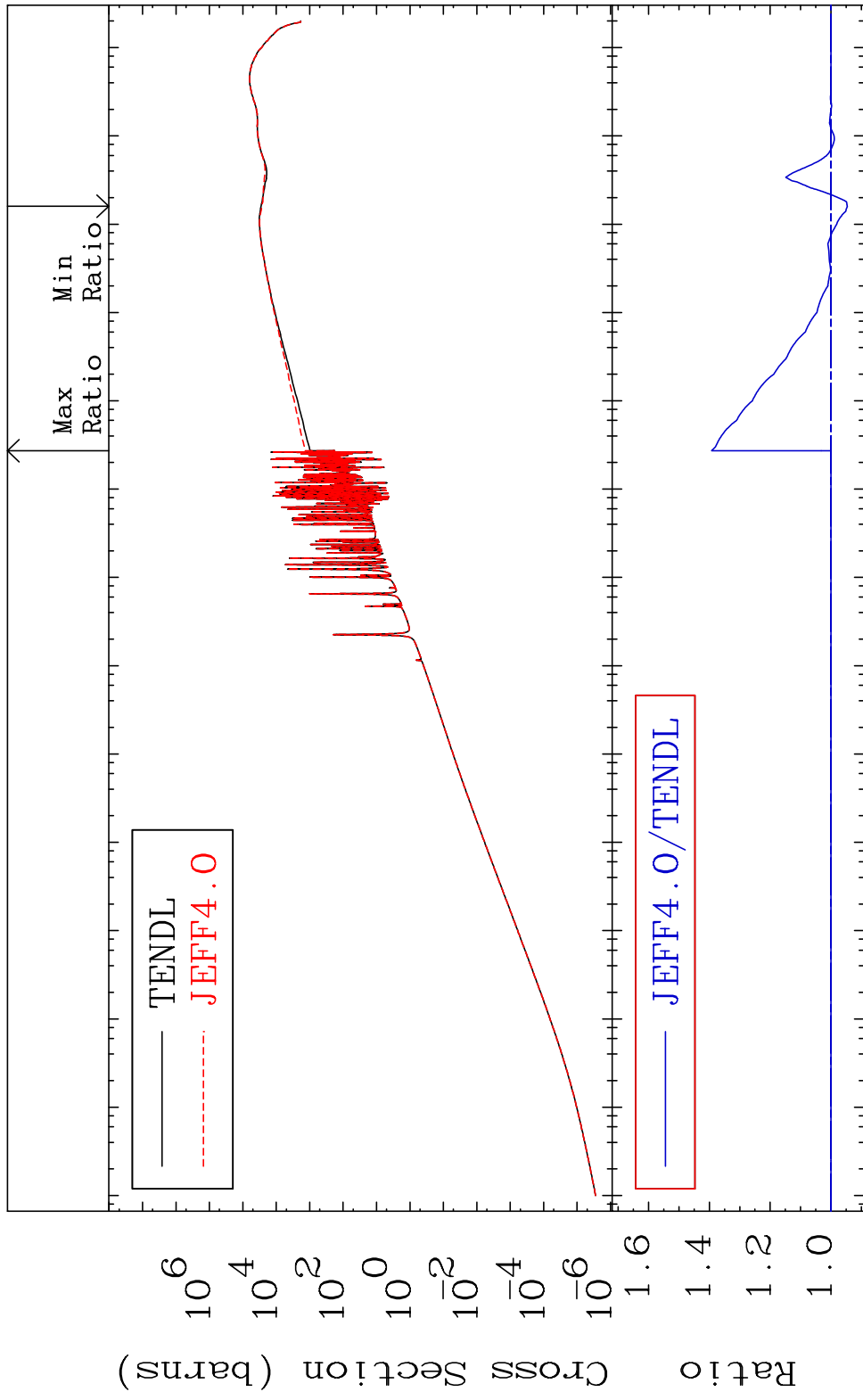
68 Incident Energy (eV) 64-Gd-154



MAT 6431

Kerma elastic
Cross Section

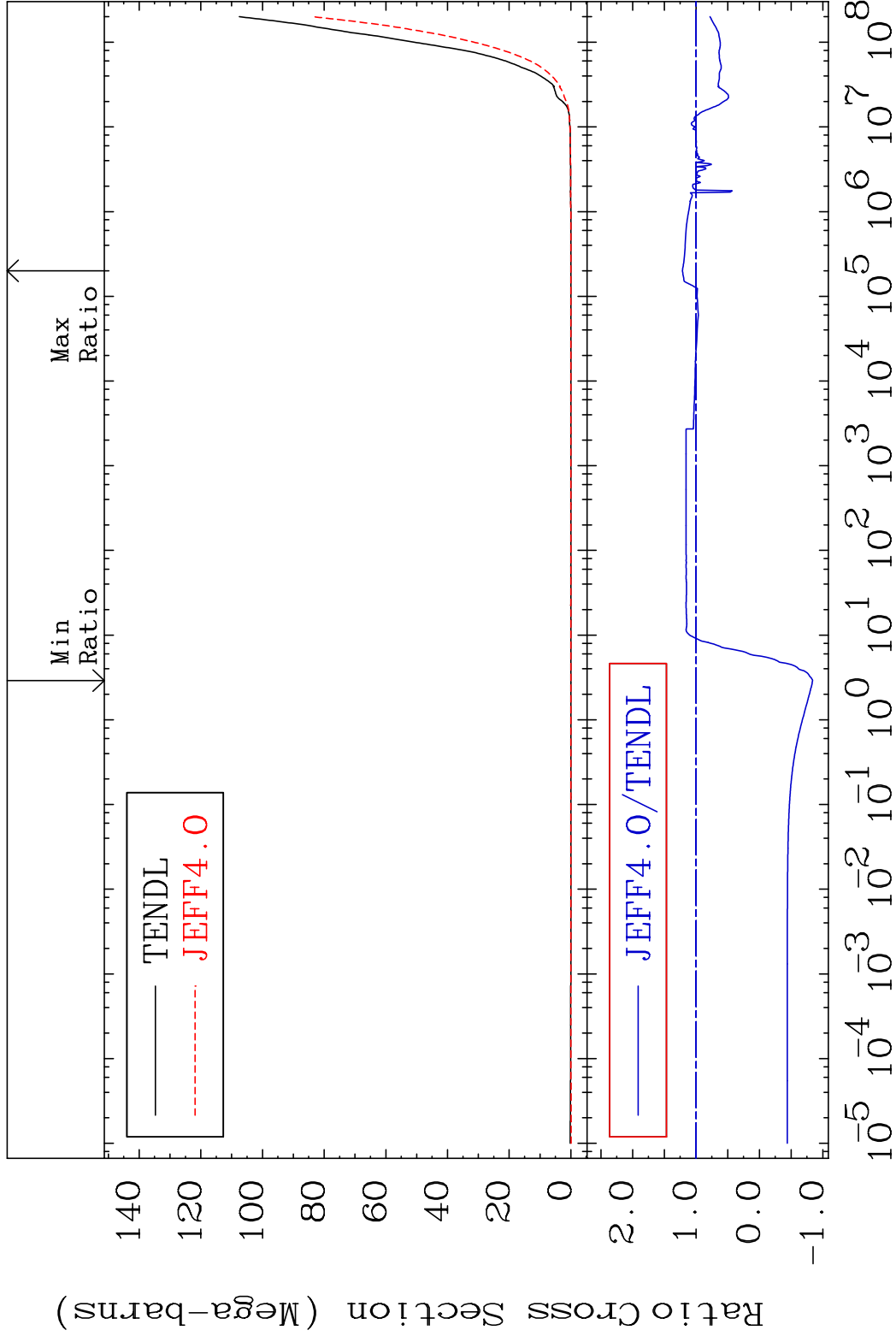
64-Gd-154
-5.382 To 39.29 %

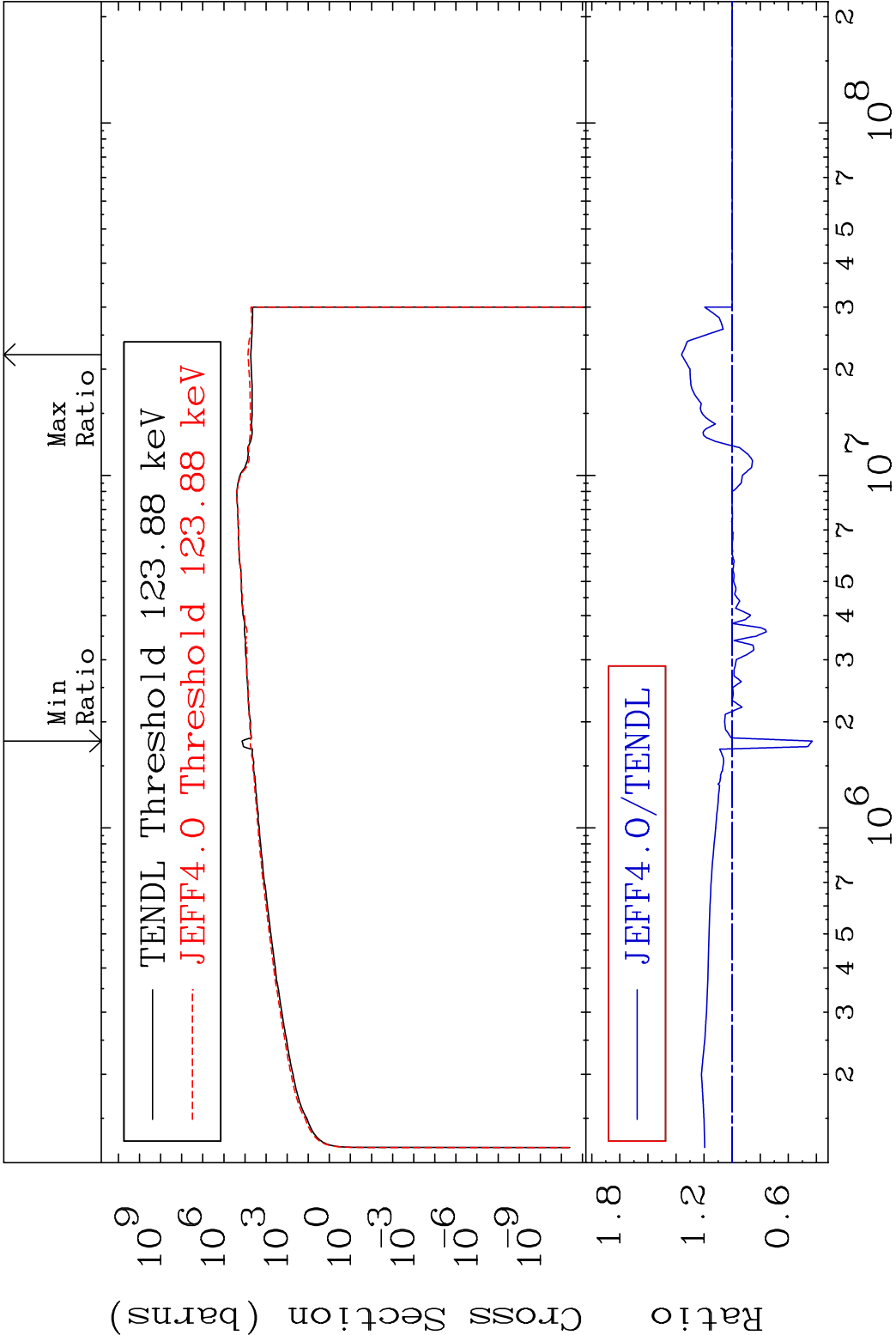


70

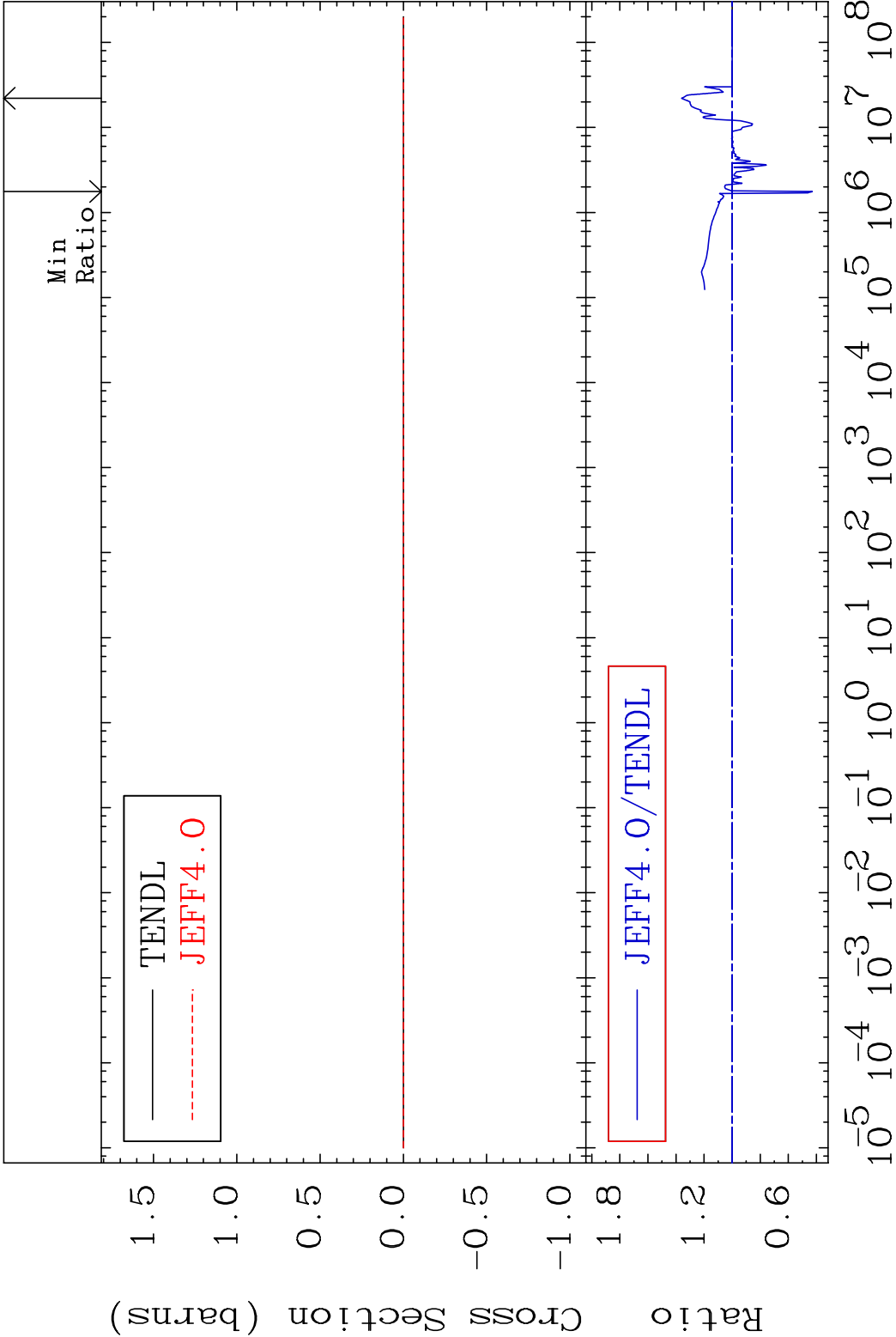
Incident Energy (eV)

64-Gd-154

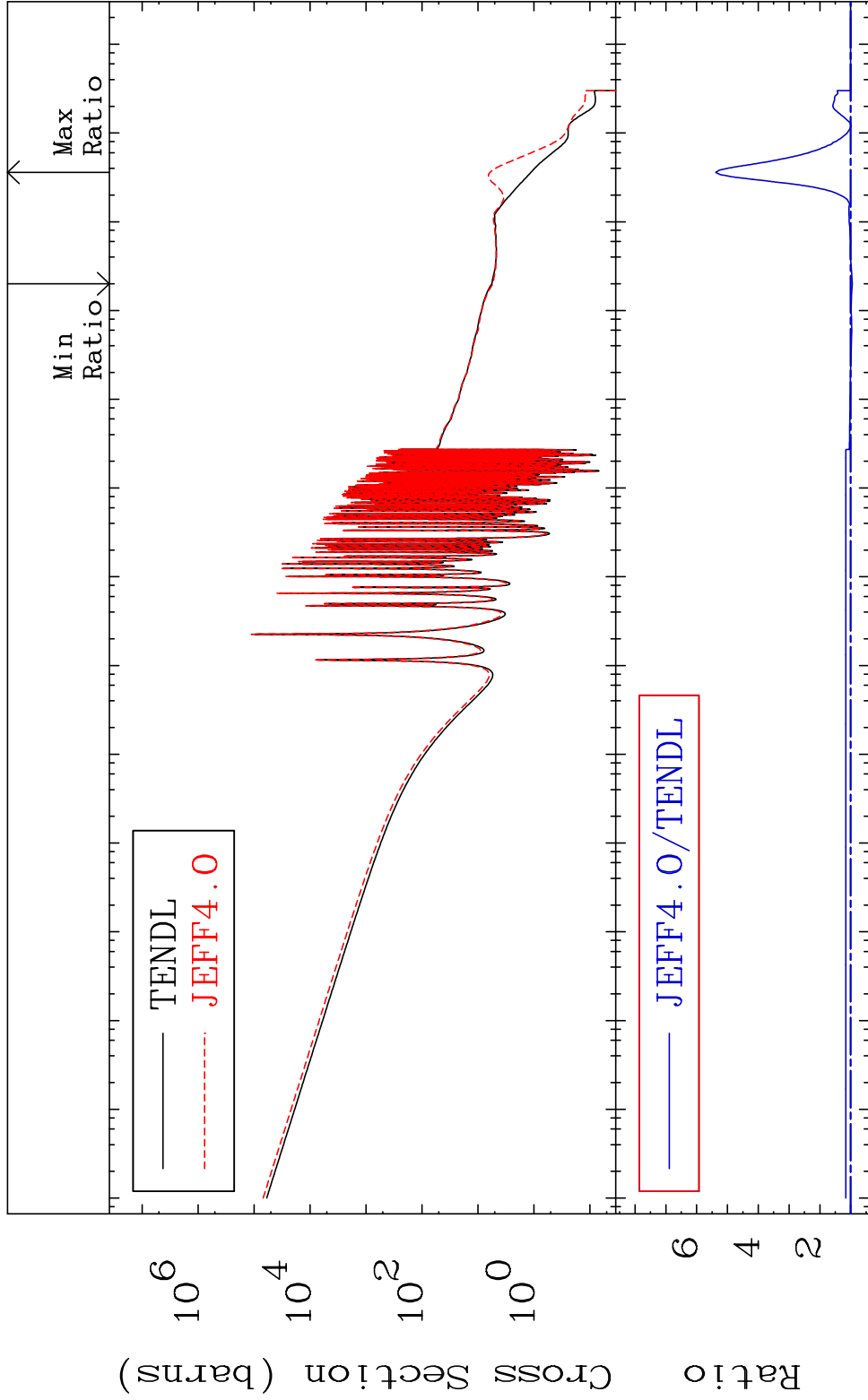




MAT 6431 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-154
Cross Section -57.00 To 36.07 %

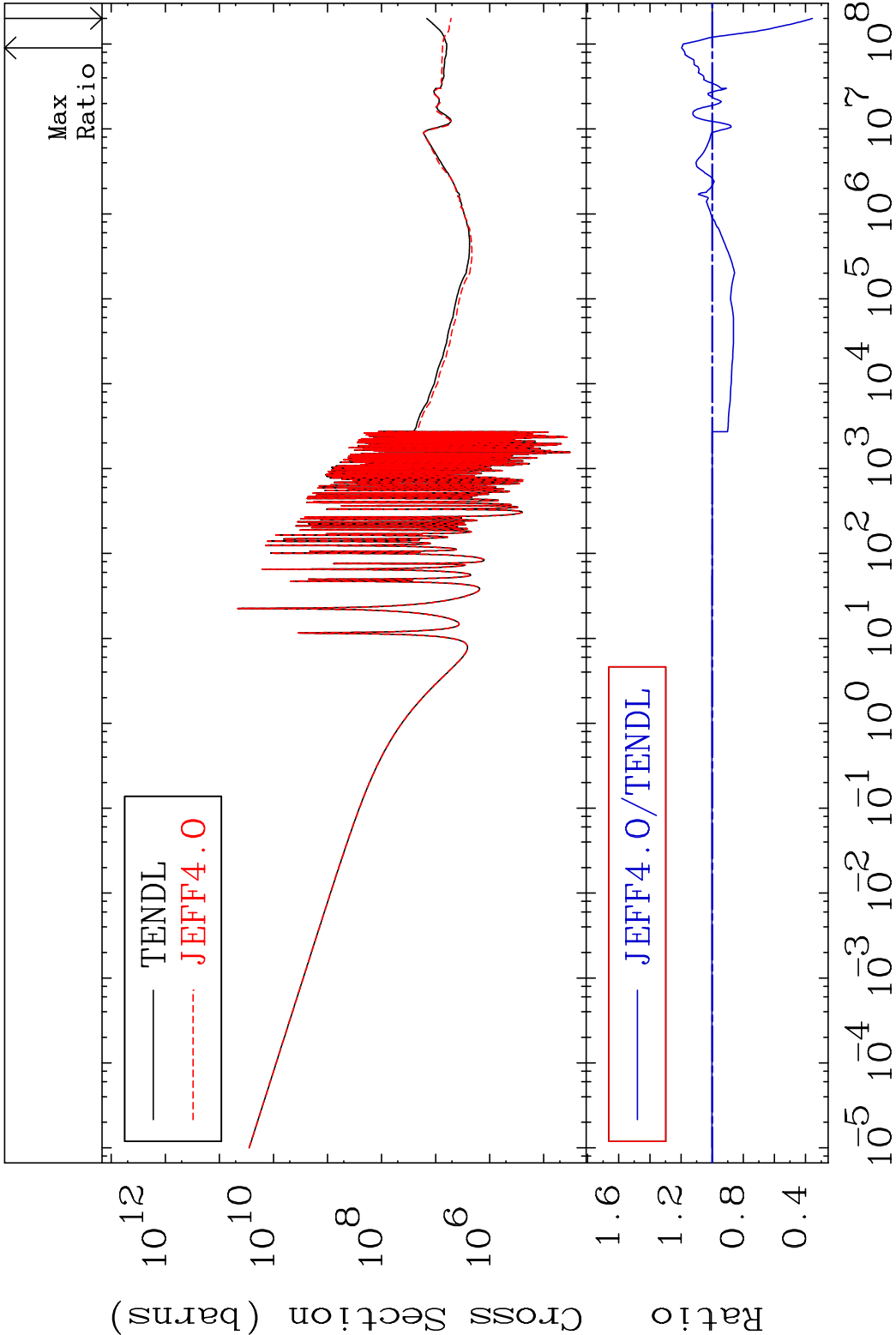


MAT 6431 Kerma capture (mt102) 64-Gd-154
Cross Section -4.978 To 438.3 %



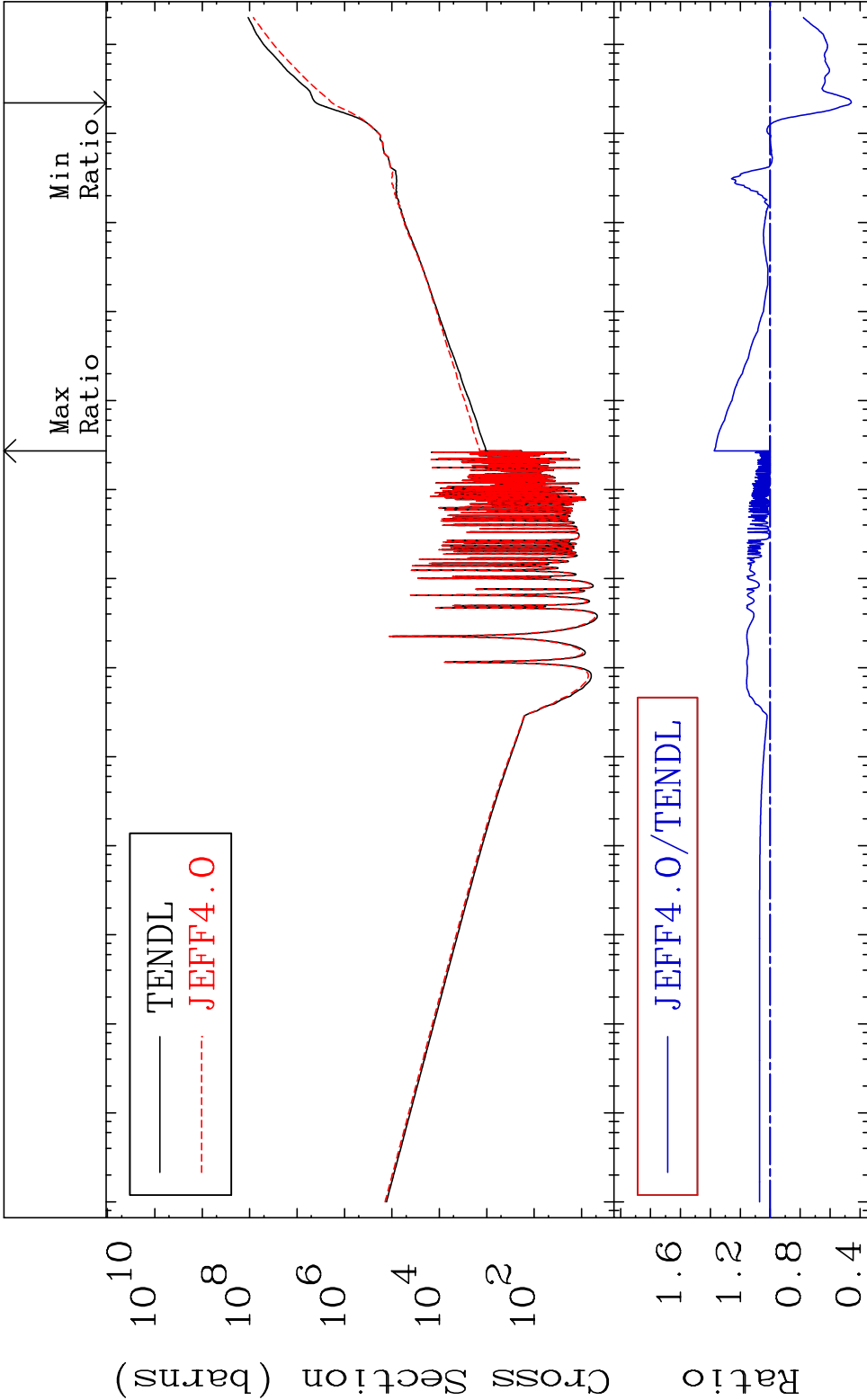
74 Incident Energy (eV) 64-Gd-154

MAT 6431 Total photon (eV-barns) 64-Gd-154
Cross Section -64.30 To 19.54 %



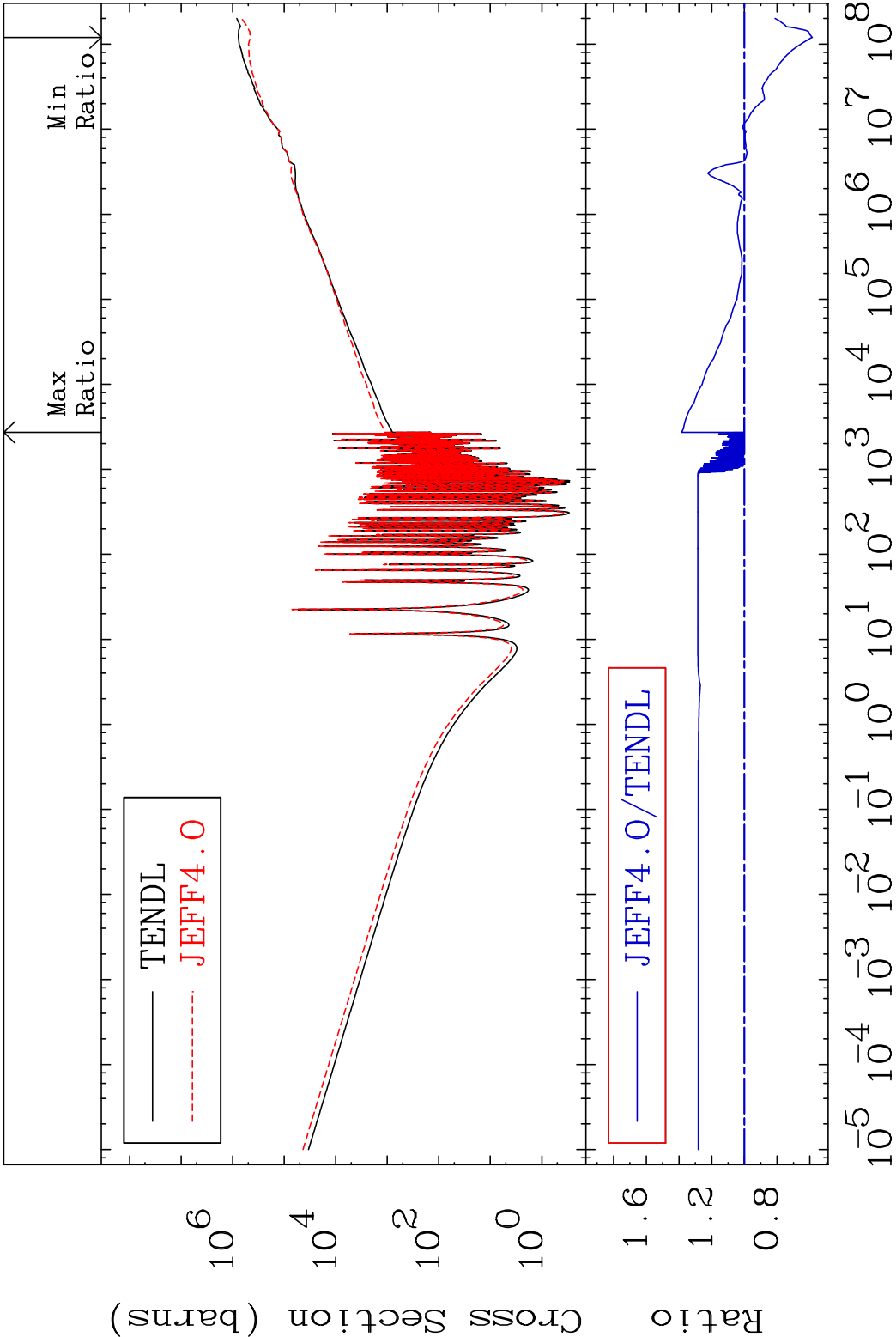
75 Incident Energy (eV) 64-Gd-154

MAT 6431 Total kinematic kerma (high limit) 64-Gd-154
Cross Section -54.07 To 37.44 %



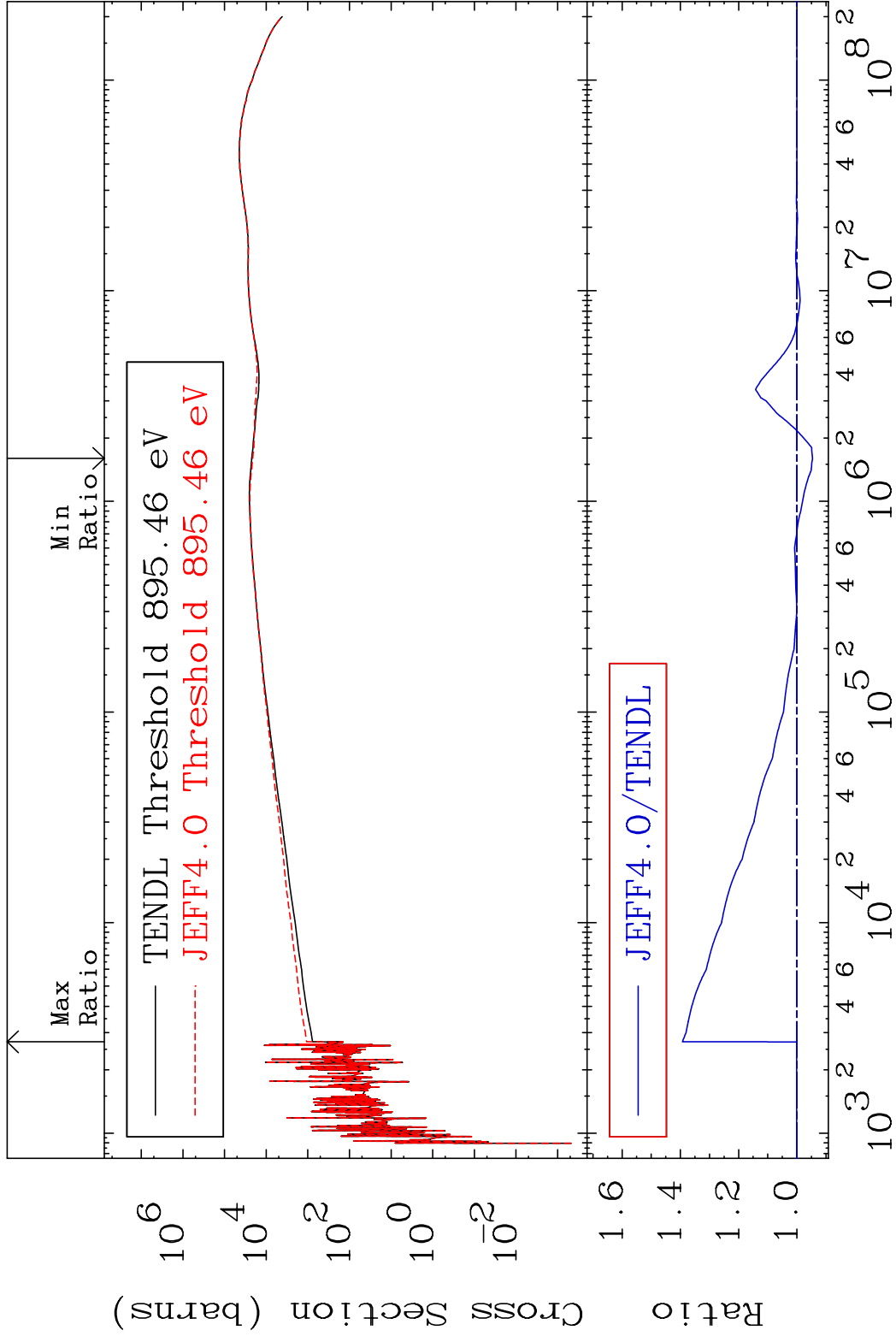
76 Incident Energy (eV) 64-Gd-154

MAT 6431 Dpa total (eV-barns) 64-Gd-154
Cross Section -41.46 To 38.42 %

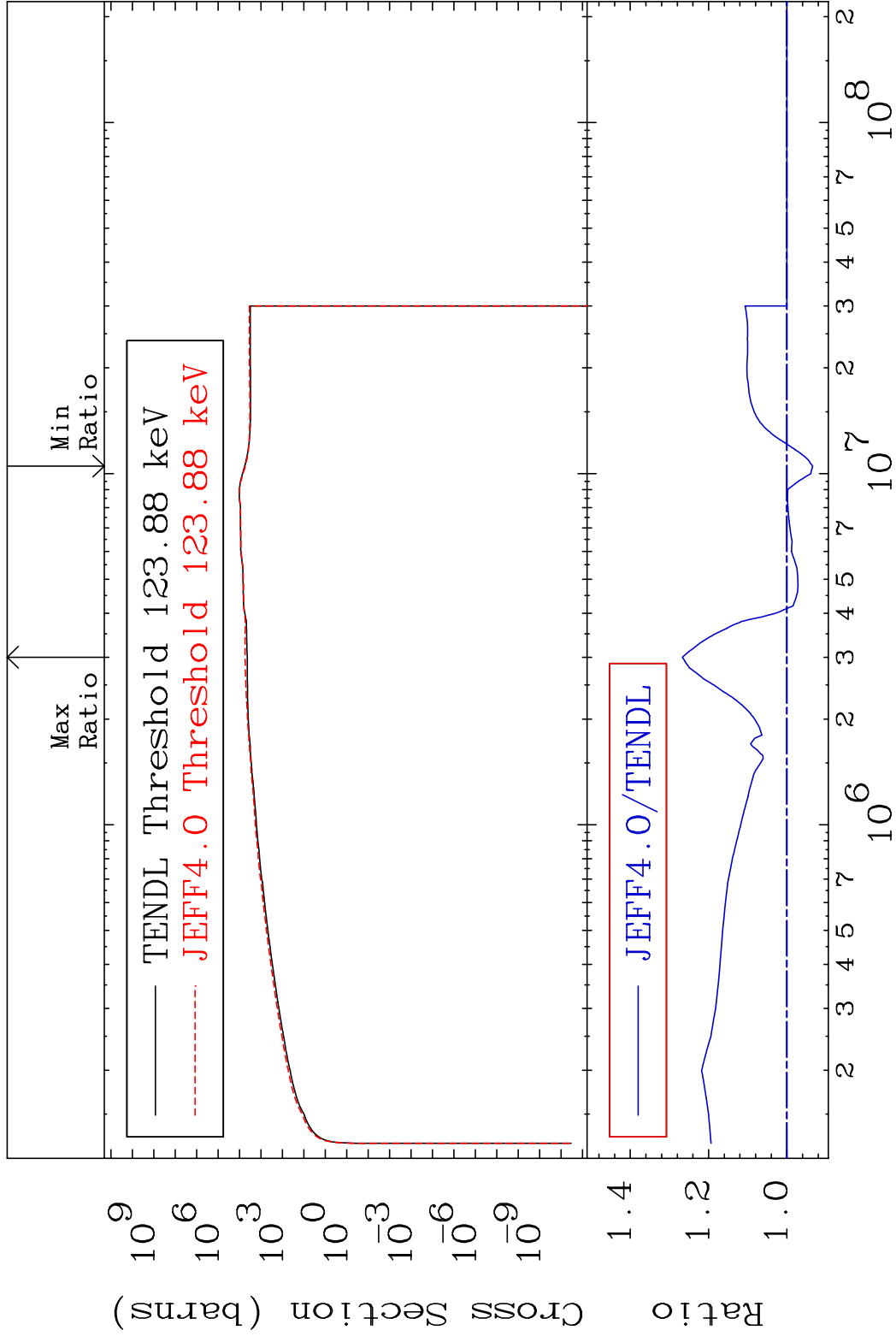


77 Incident Energy (eV) 64-Gd-154

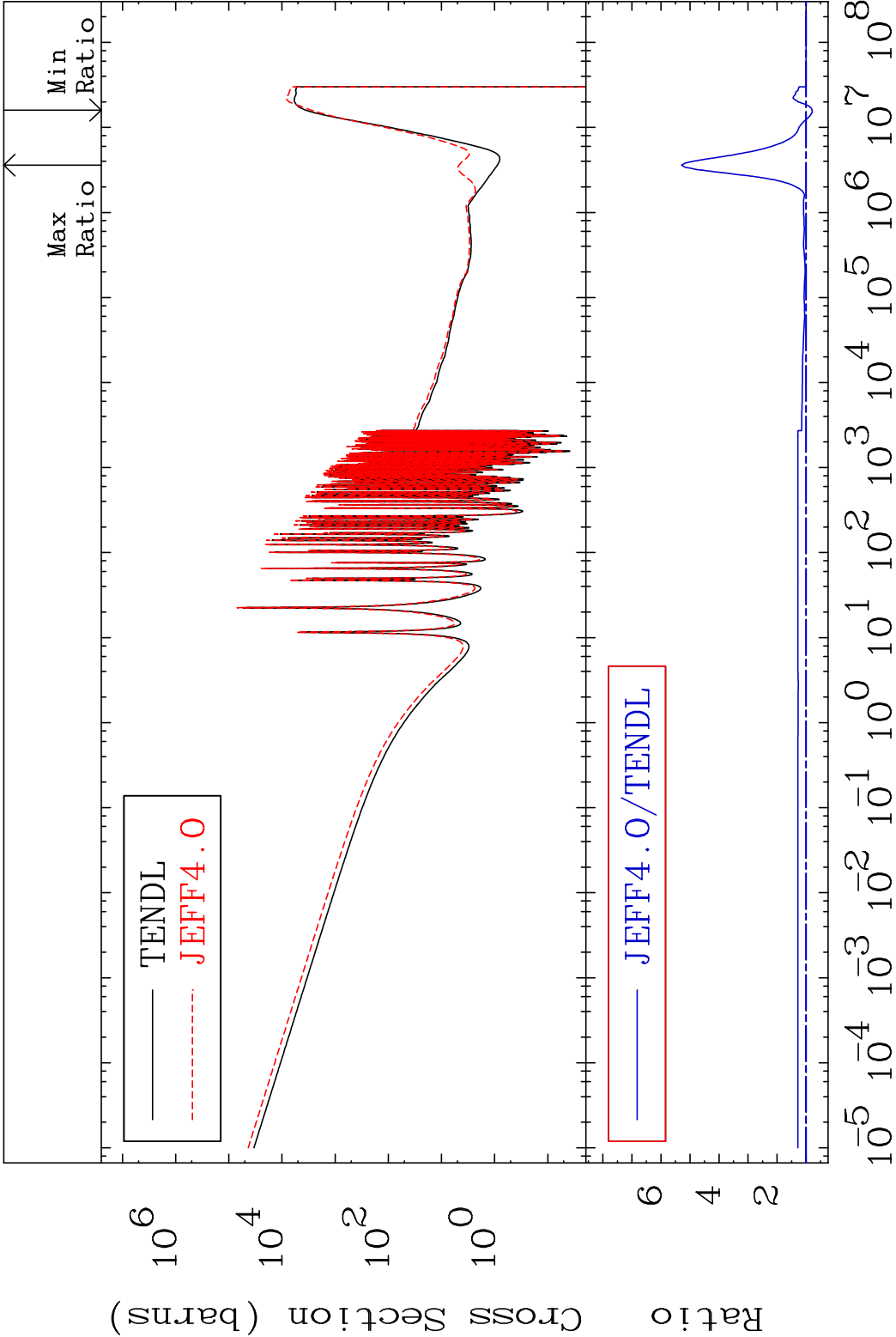
MAT 6431	Dpa elastic (mt2)	64-Gd-154
	Cross Section	-5.378 To 39.31 %



78	Incident Energy (eV)	64-Gd-154
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MAT 6431 Dpa disappearance (mt102 -120) 64-Gd-154
Cross Section -21.08 To 429.0 %



80 Incident Energy (eV) 64-Gd-154

