

Program Complot
(Version 2021-1)

by

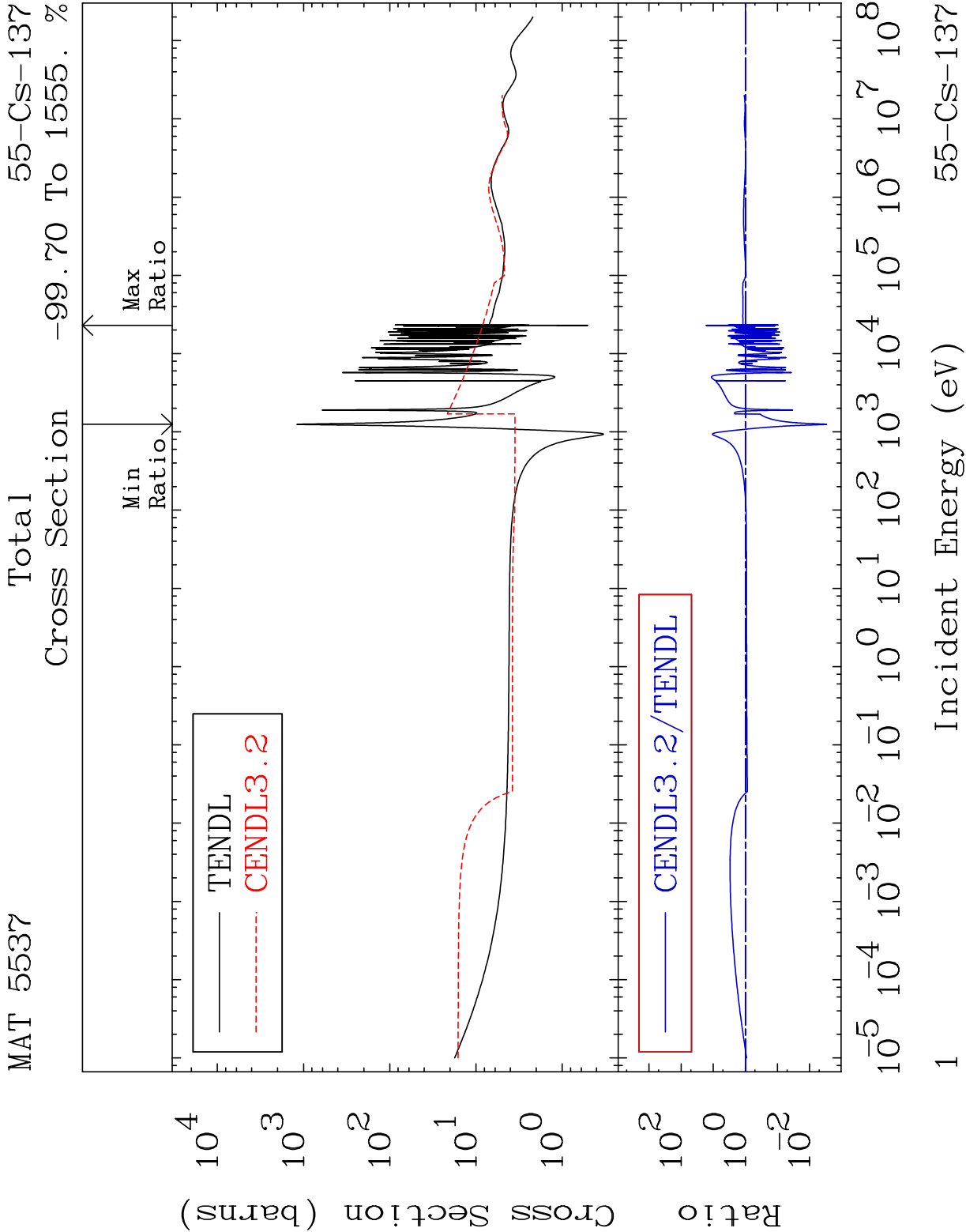
Dermott E. Cullen
(Present Contact Information)

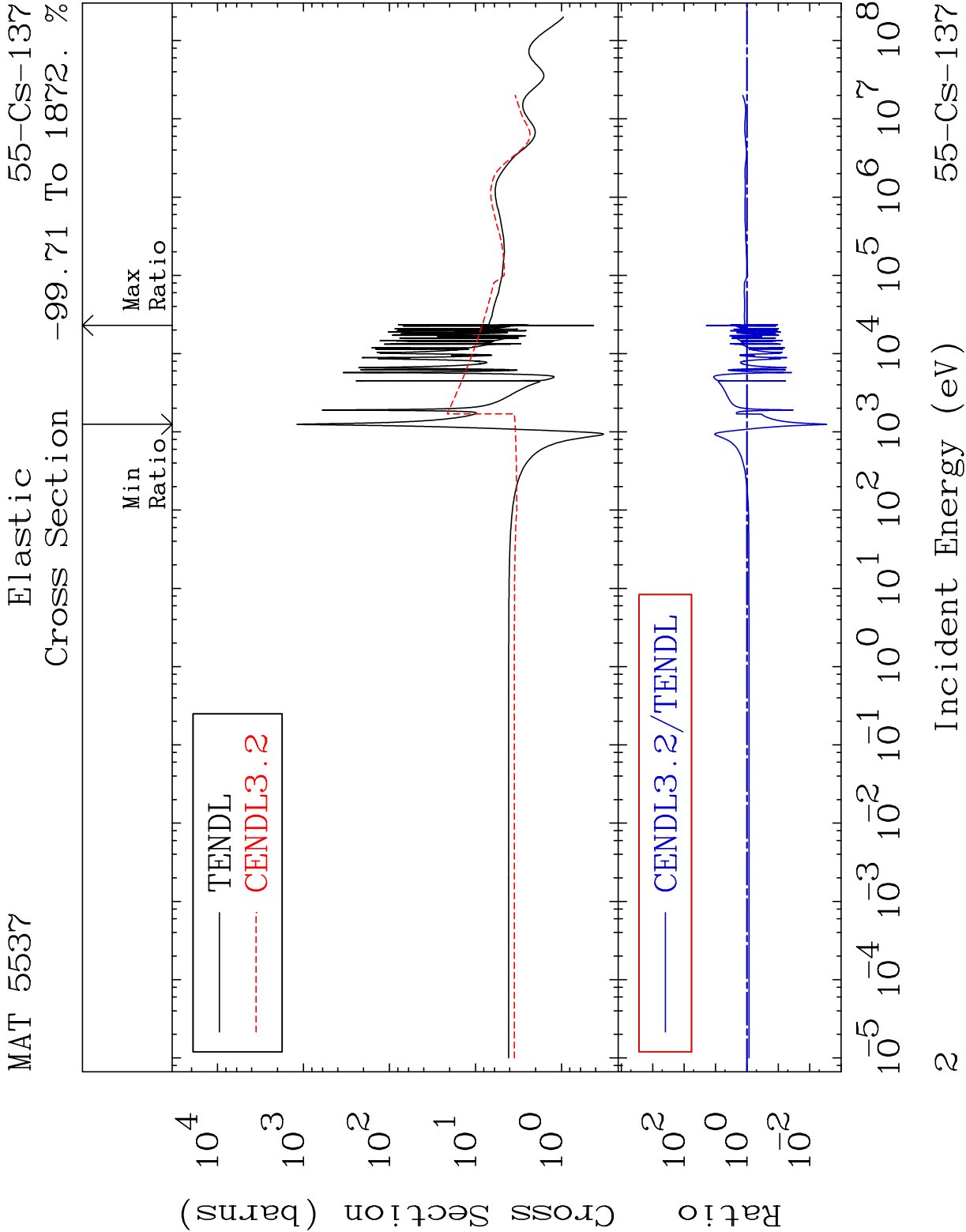
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

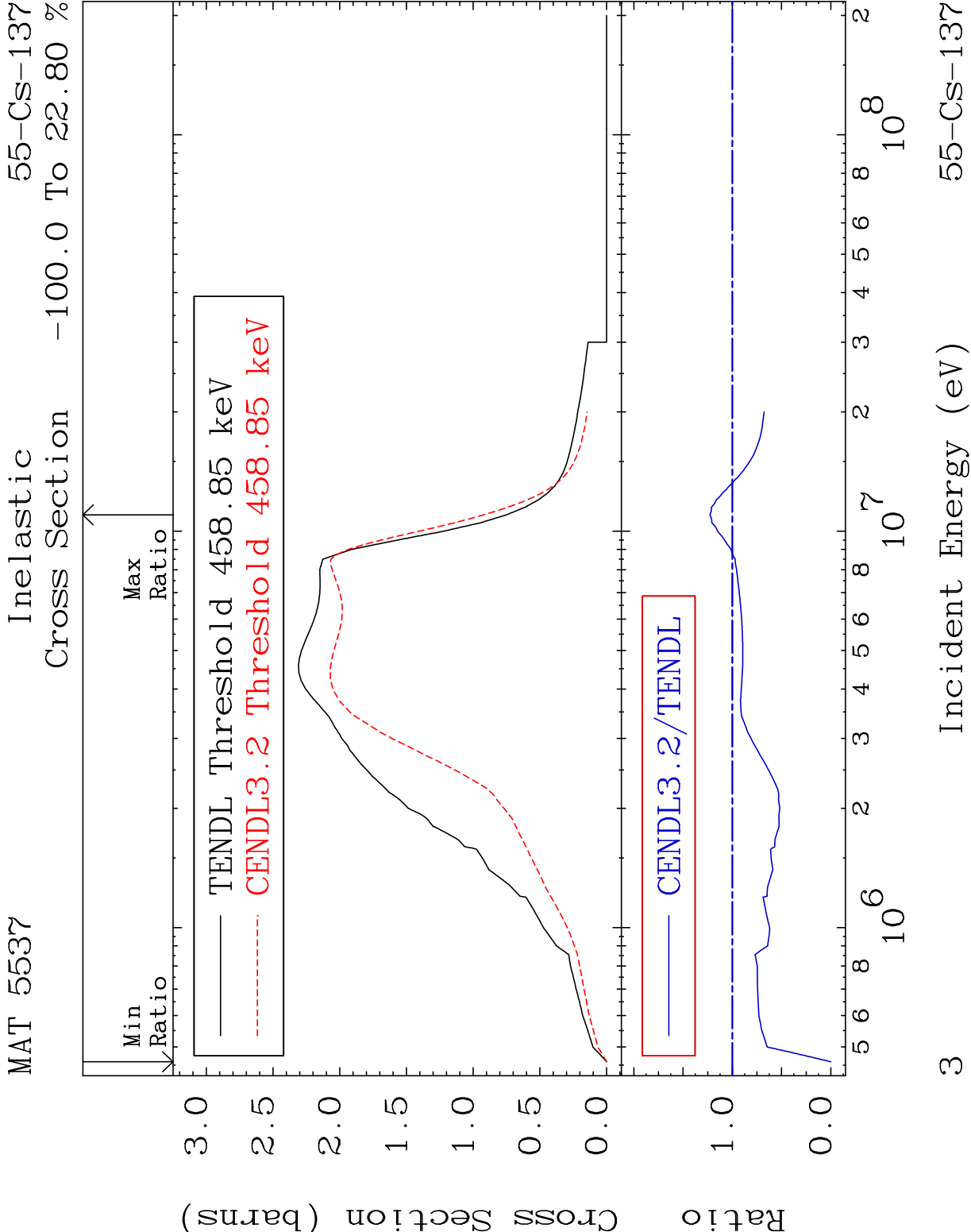
Tele: 925-443-1911

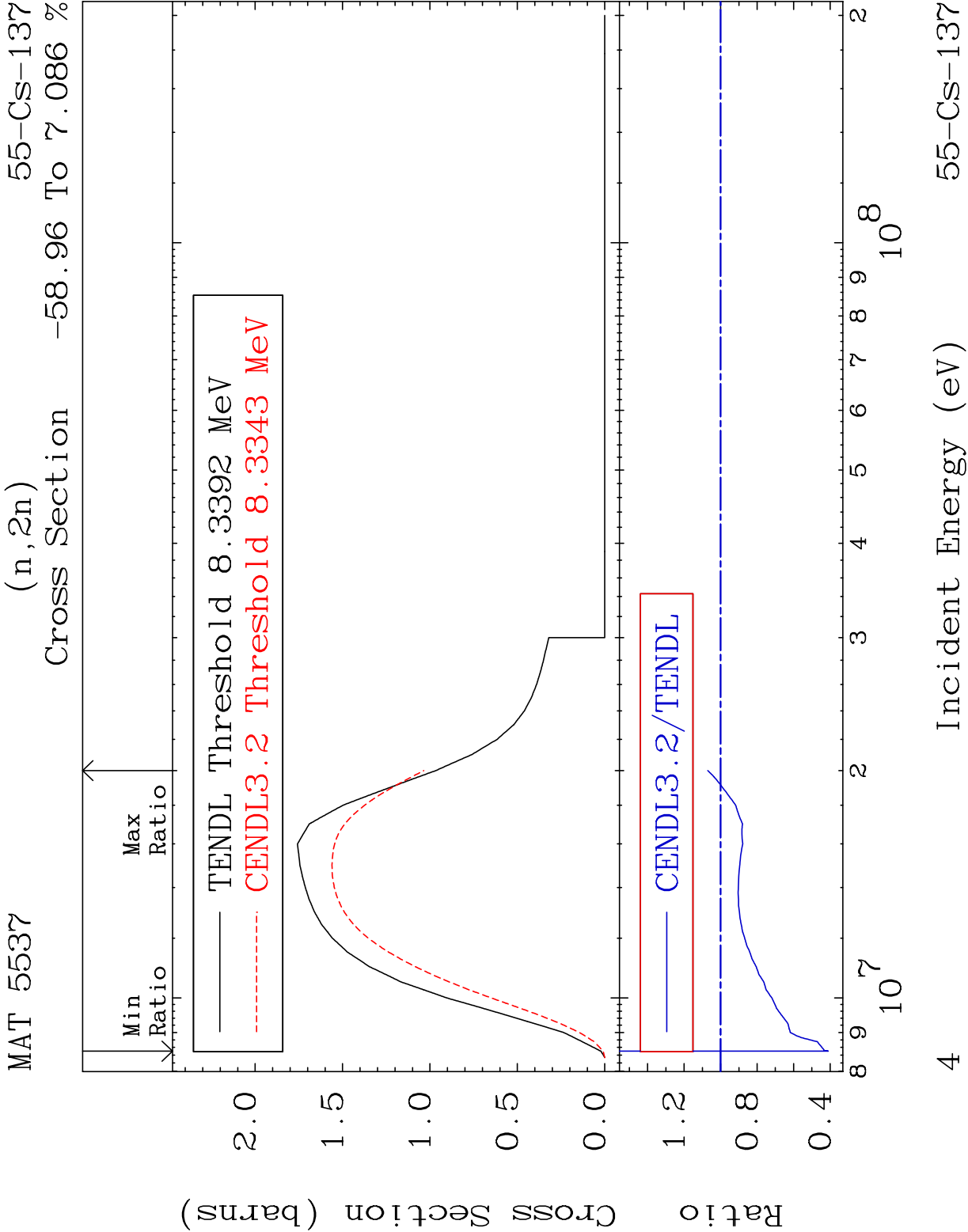
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

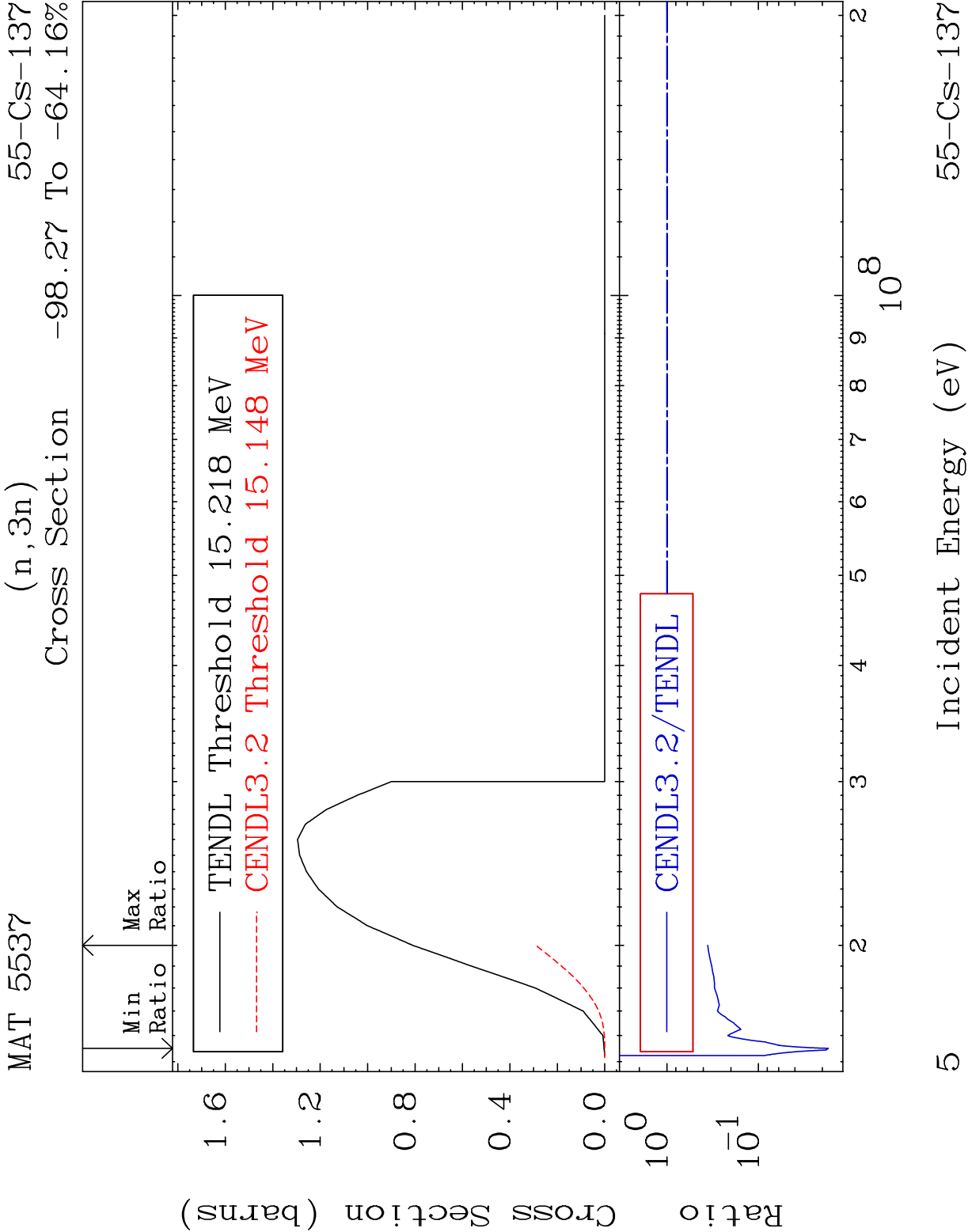
Press Mouse Button to Start

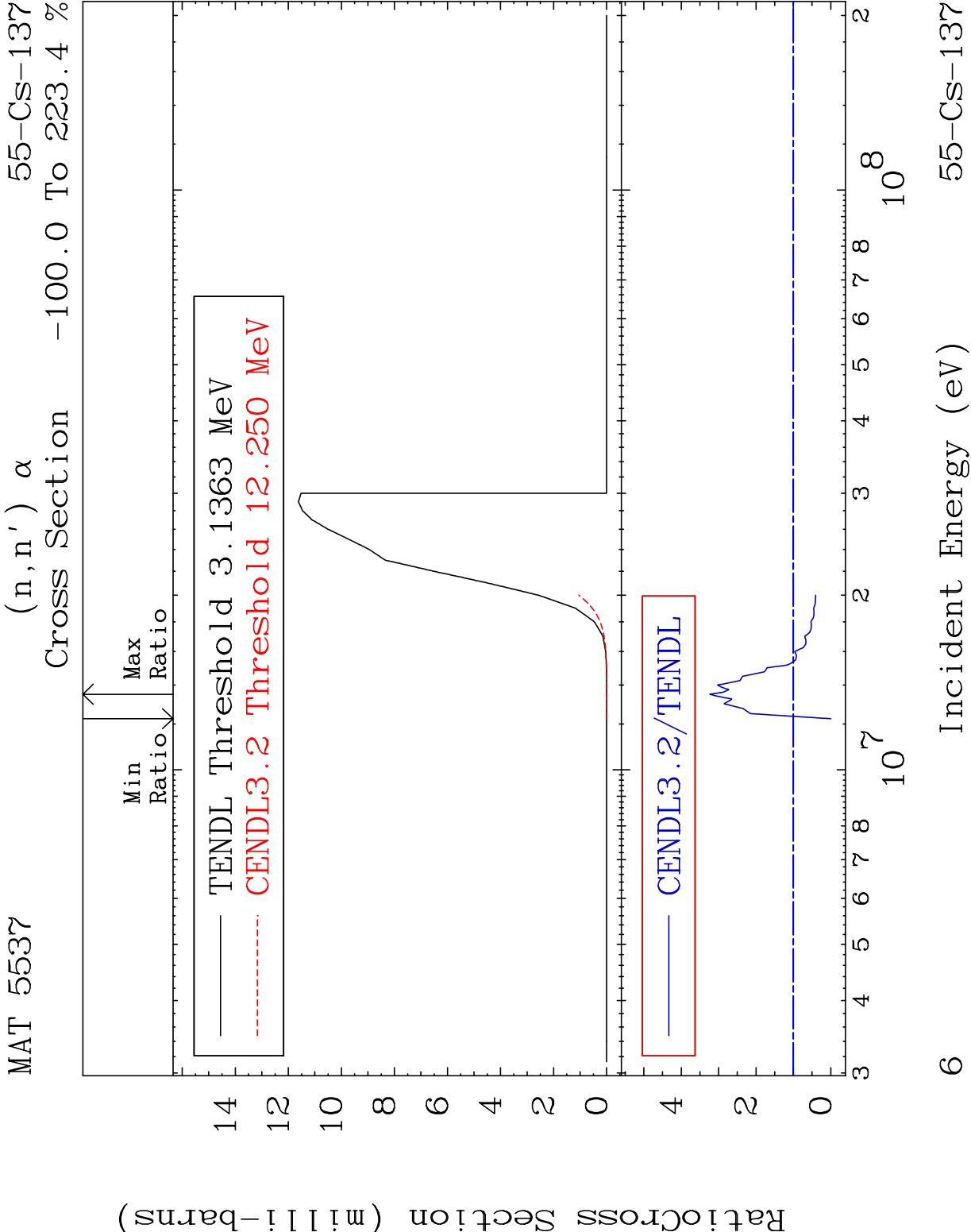


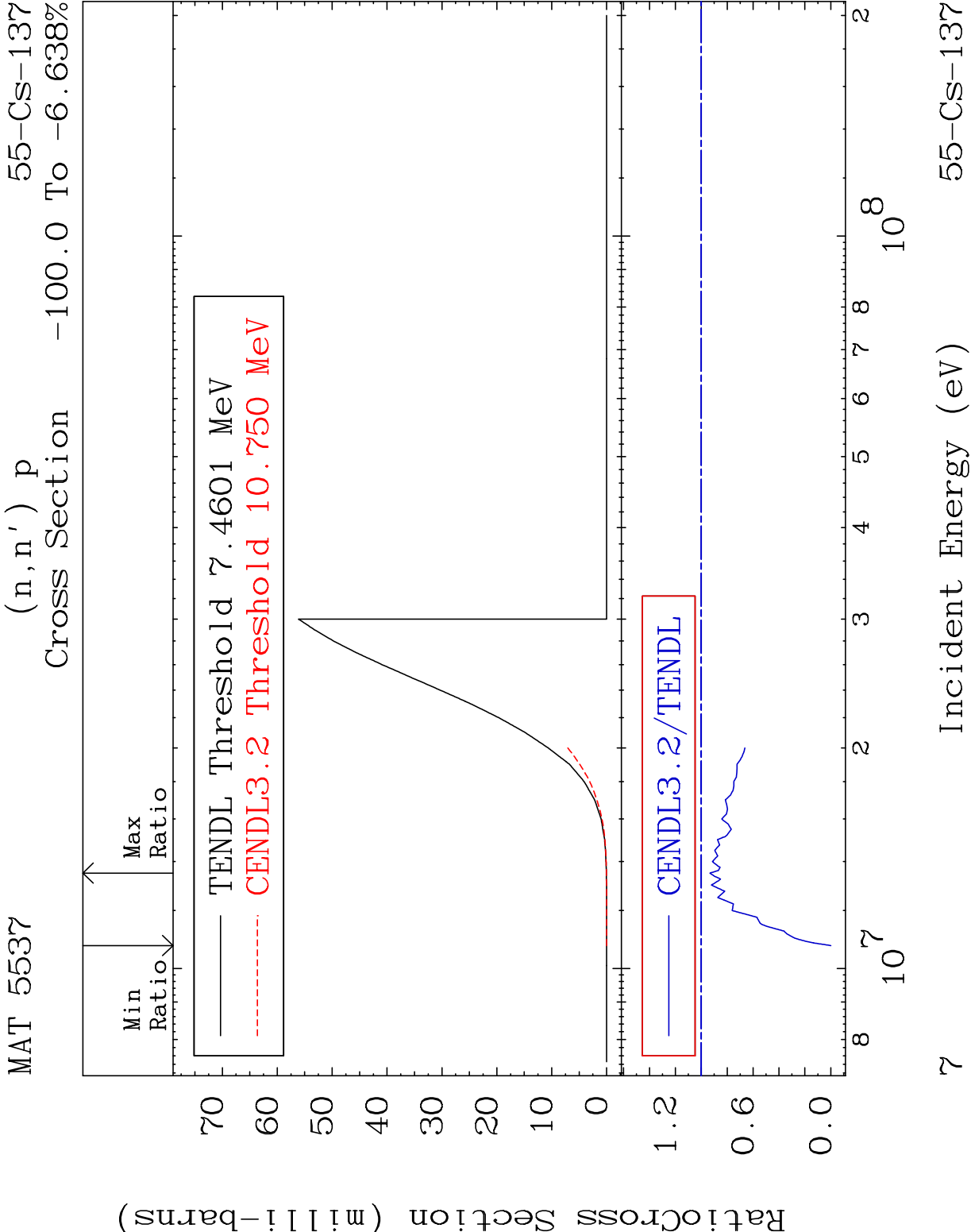




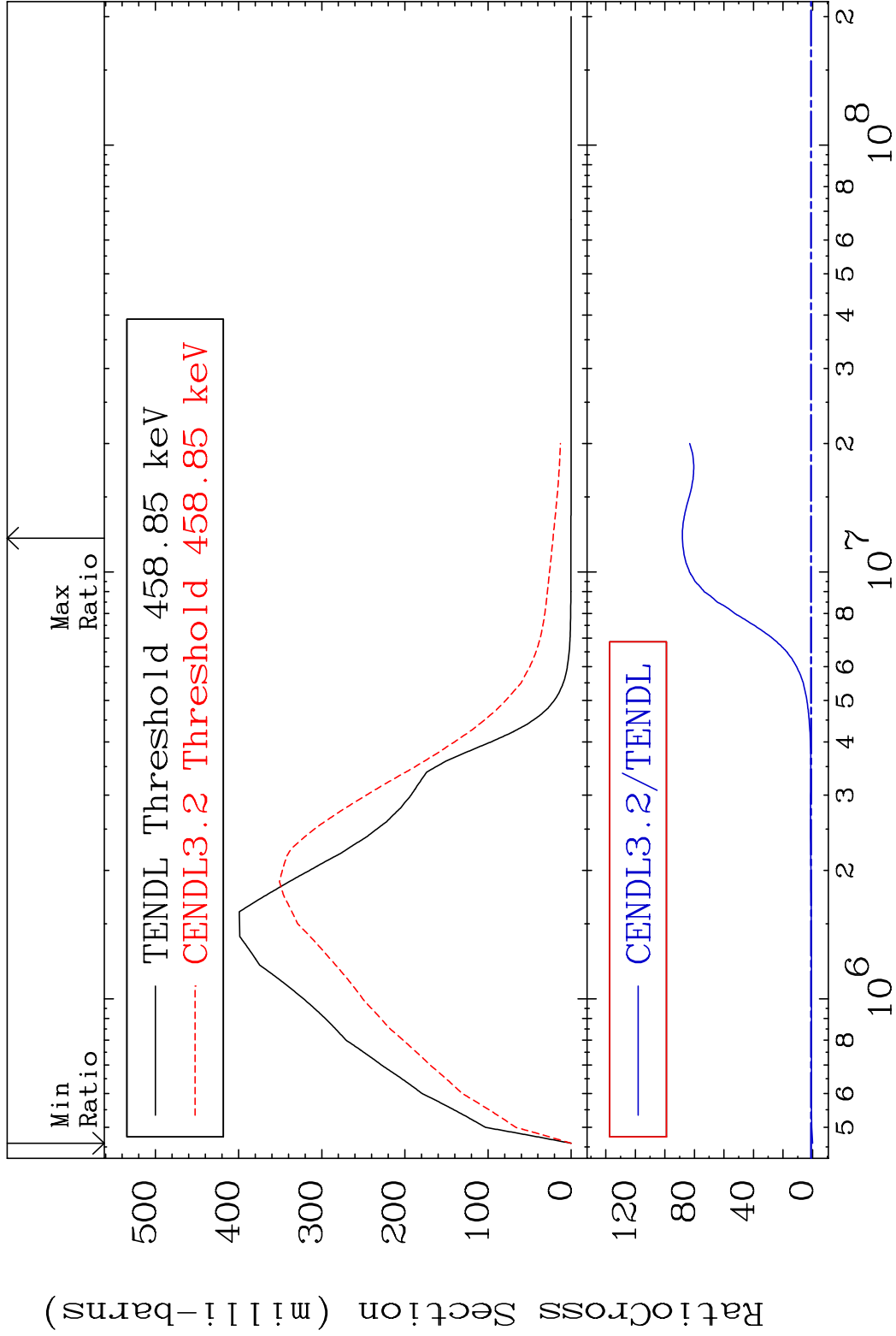








MAT 5537 MT= 51 (n,n') Level 55-Cs-137
Cross Section -100.0 To 8715. %



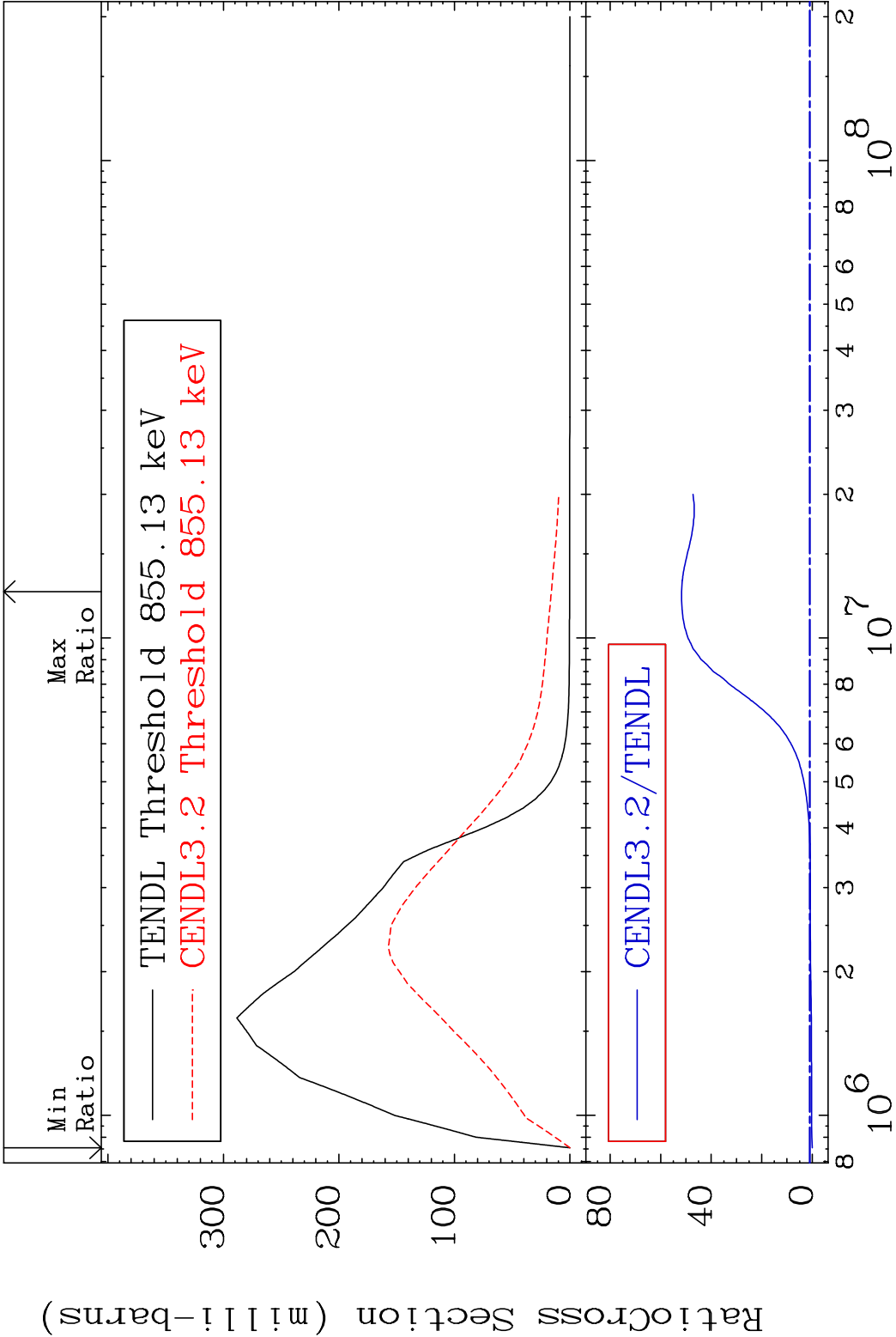
MAT 5537

MT= 52 (n,n') Level

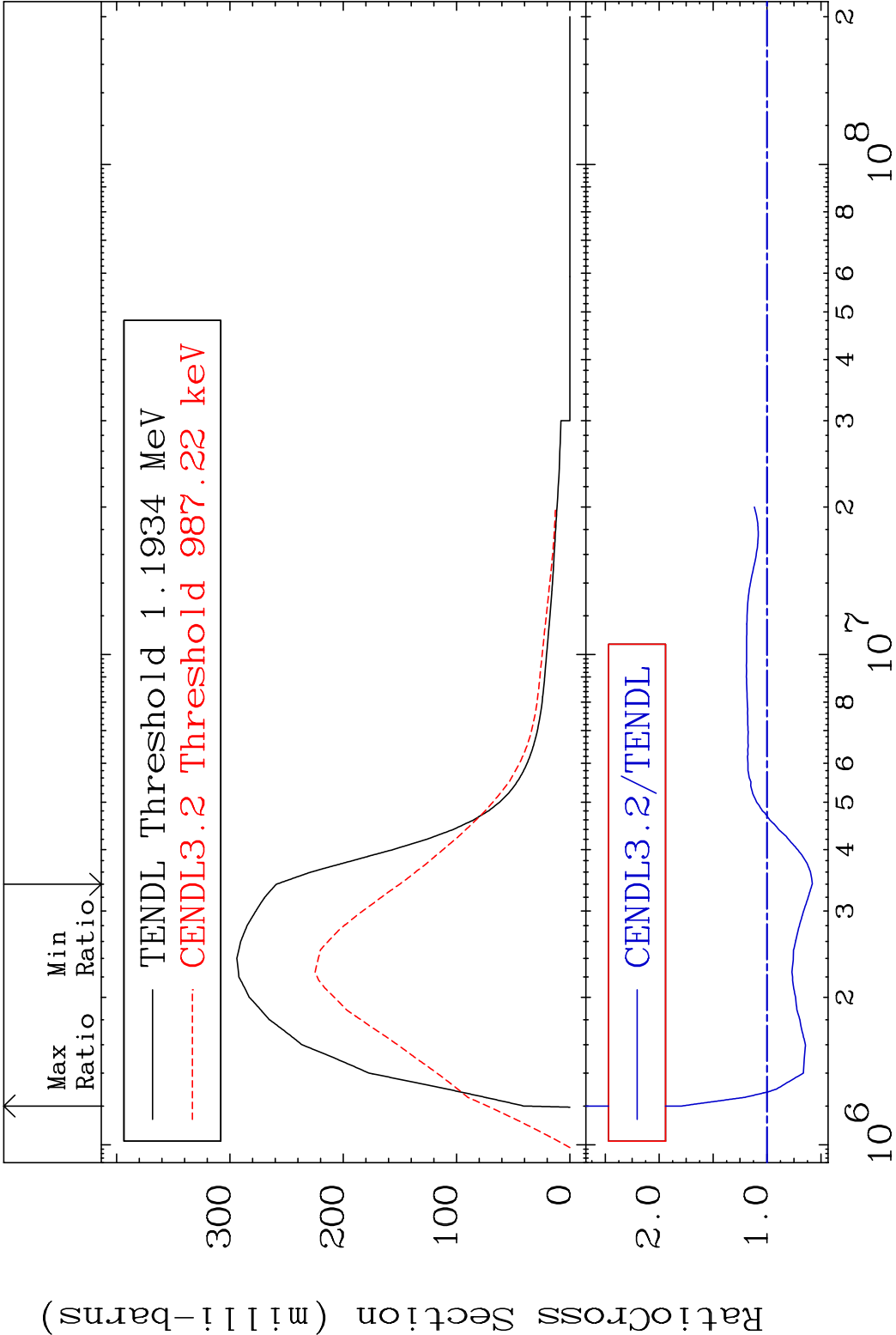
55-Cs-137

Cross Section

-100.0 To 5075. %



MAT 5537 MT= 53 (n,n') Level 55-Cs-137
Cross Section -41.95 To 79.27 %



Incident Energy (eV) 55-Cs-137

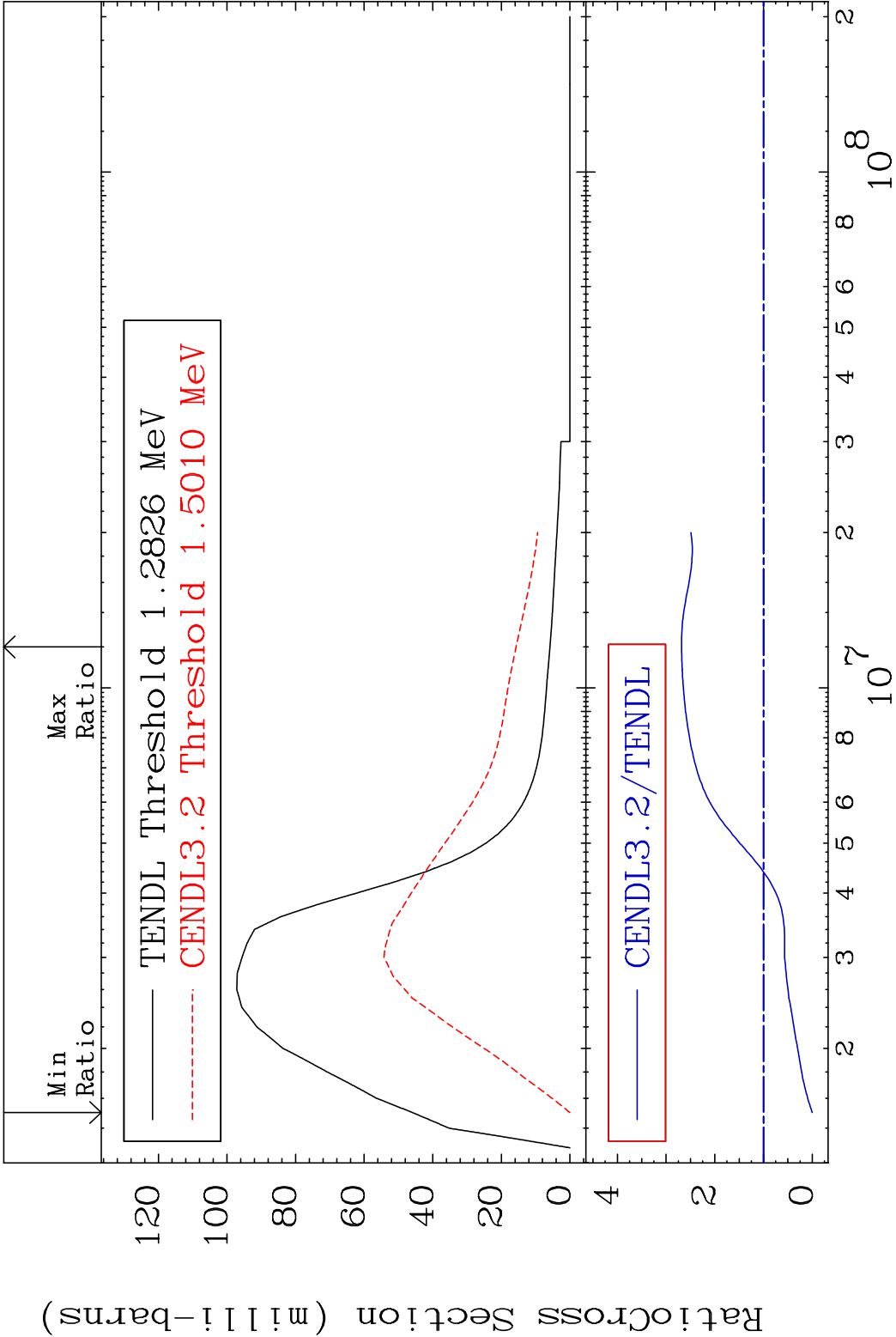
MAT 5537

MT= 54 (n,n') Level

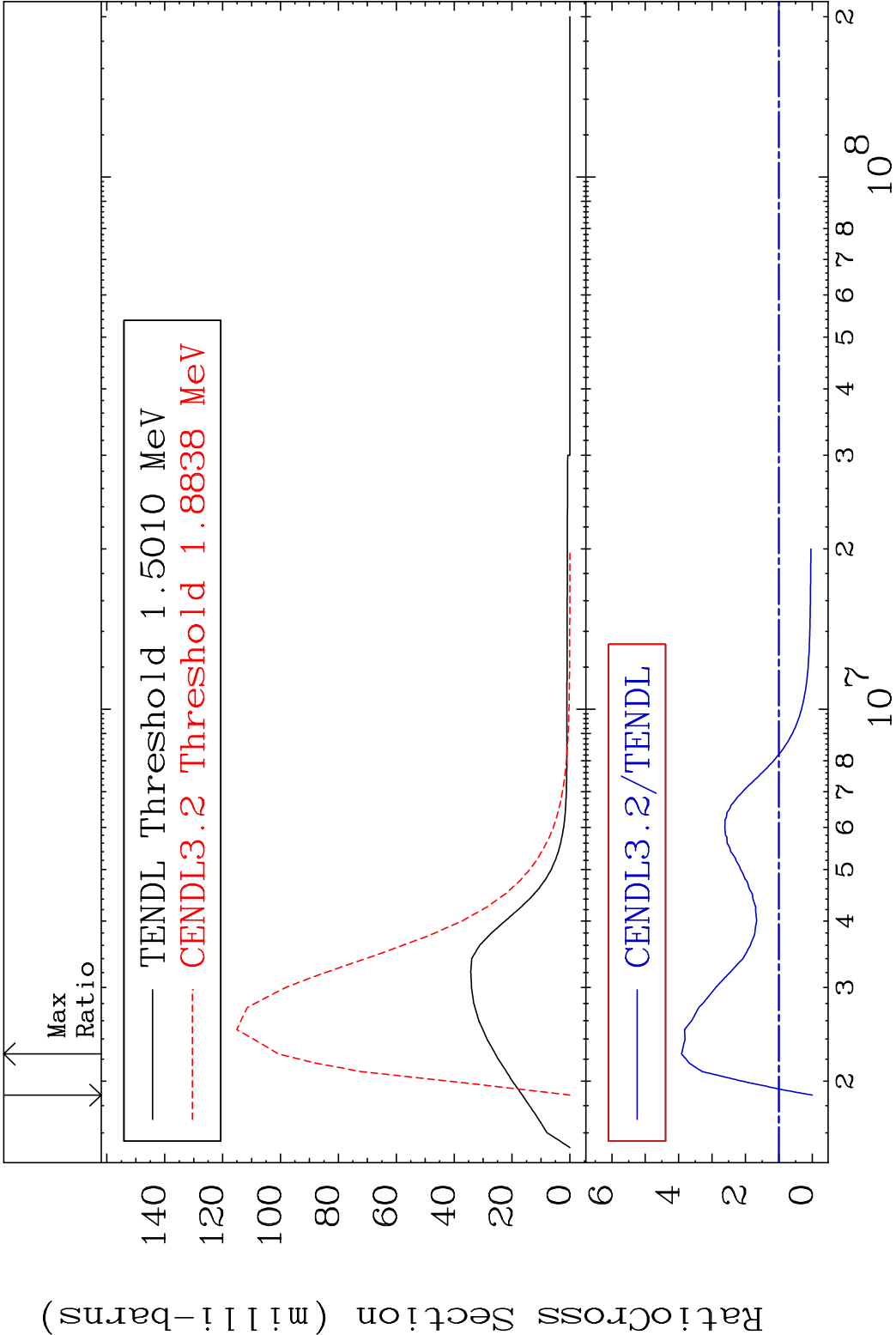
55-Cs-137

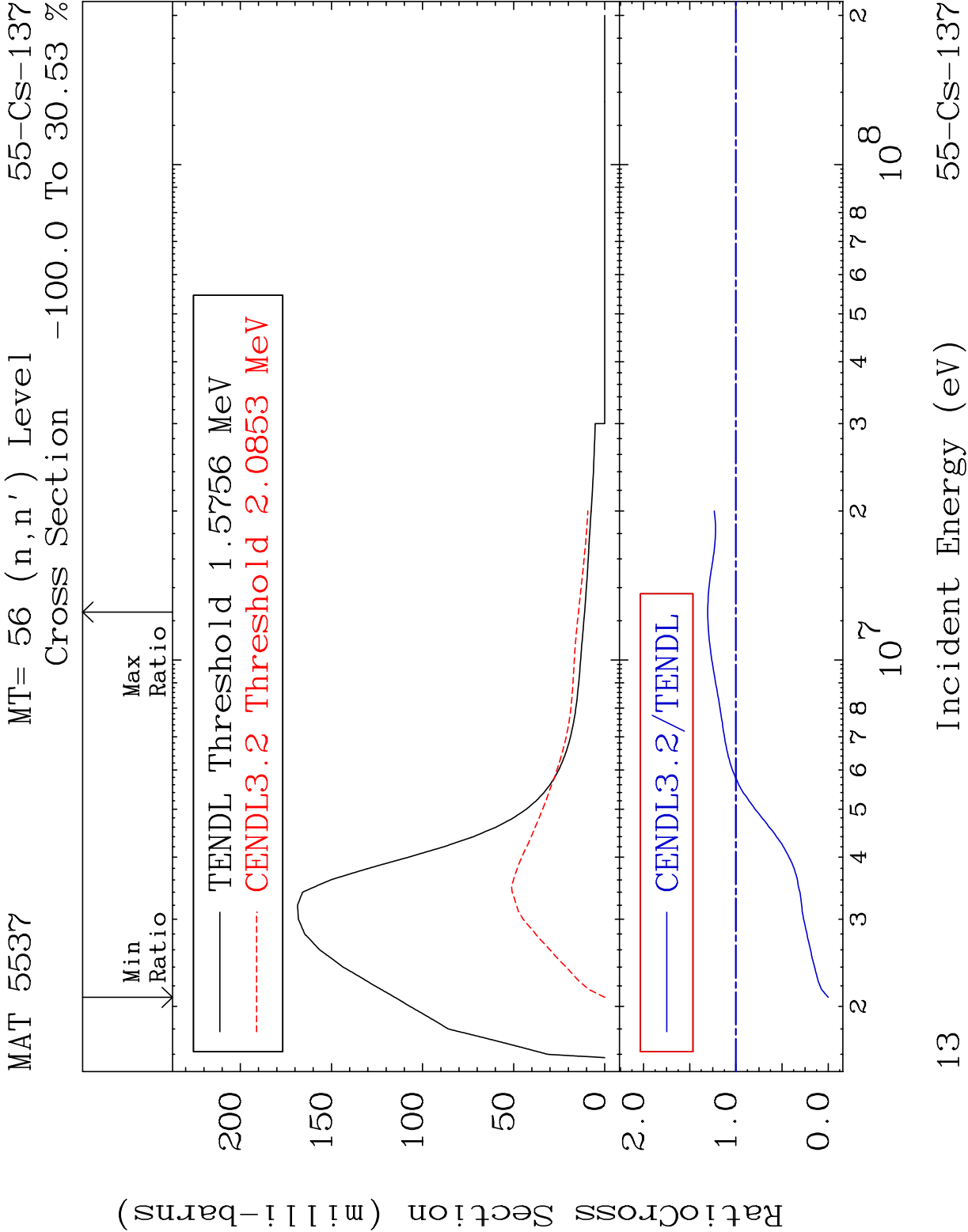
Cross Section

-100.0 To 168.3 %



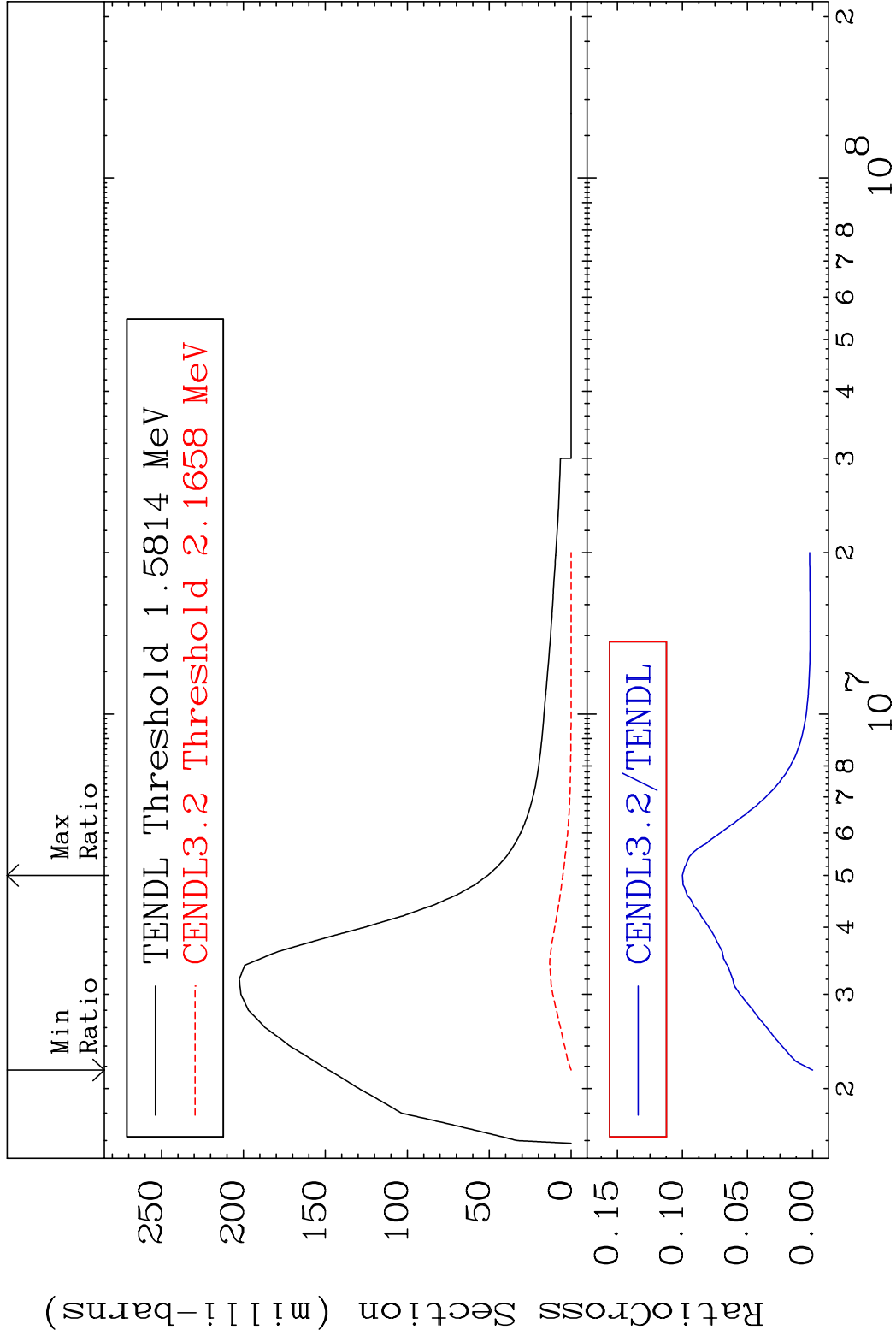
MAT 5537 MT= 55 (n,n') Level 55-Cs-137
Cross Section -100.0 To 291.4 %

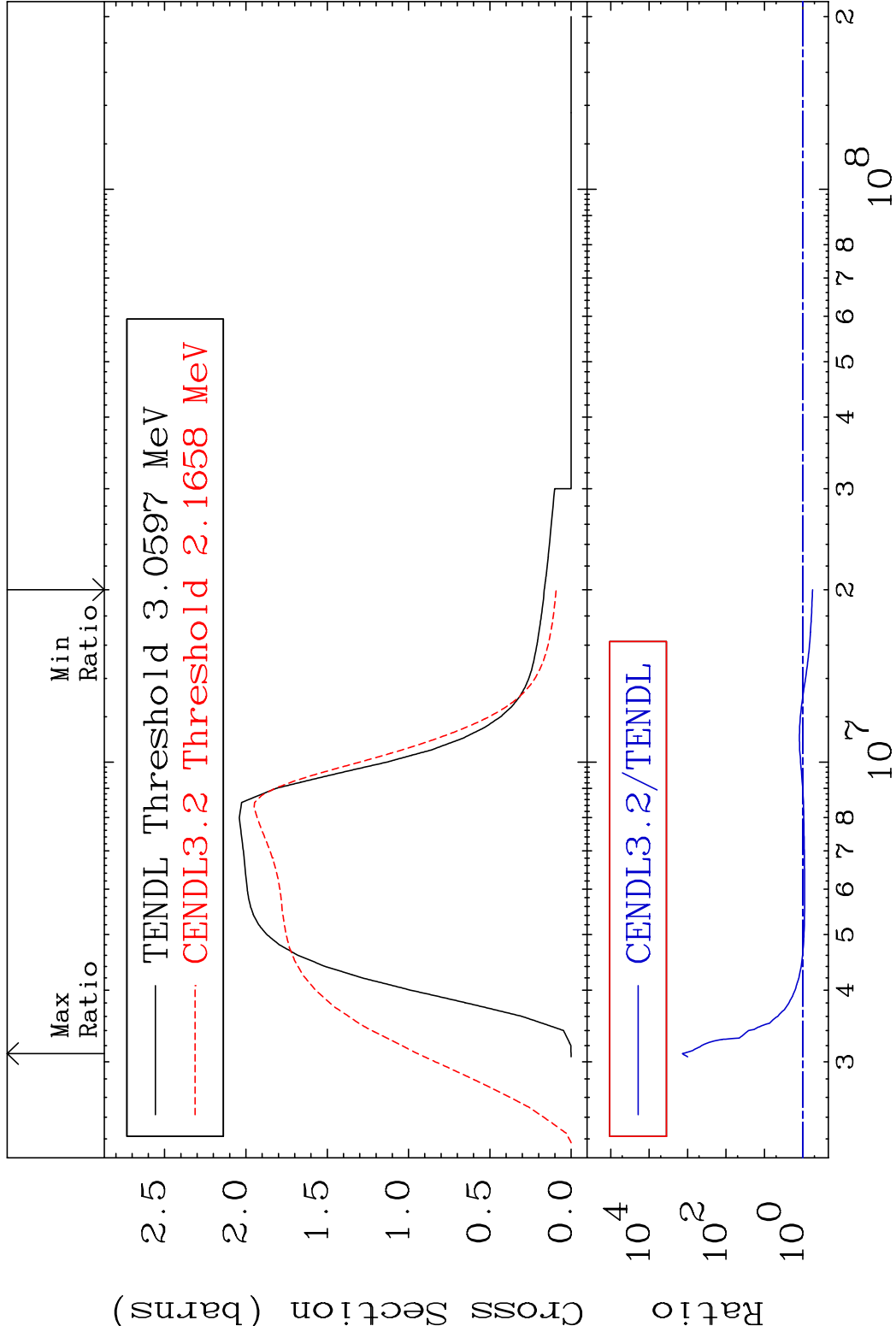


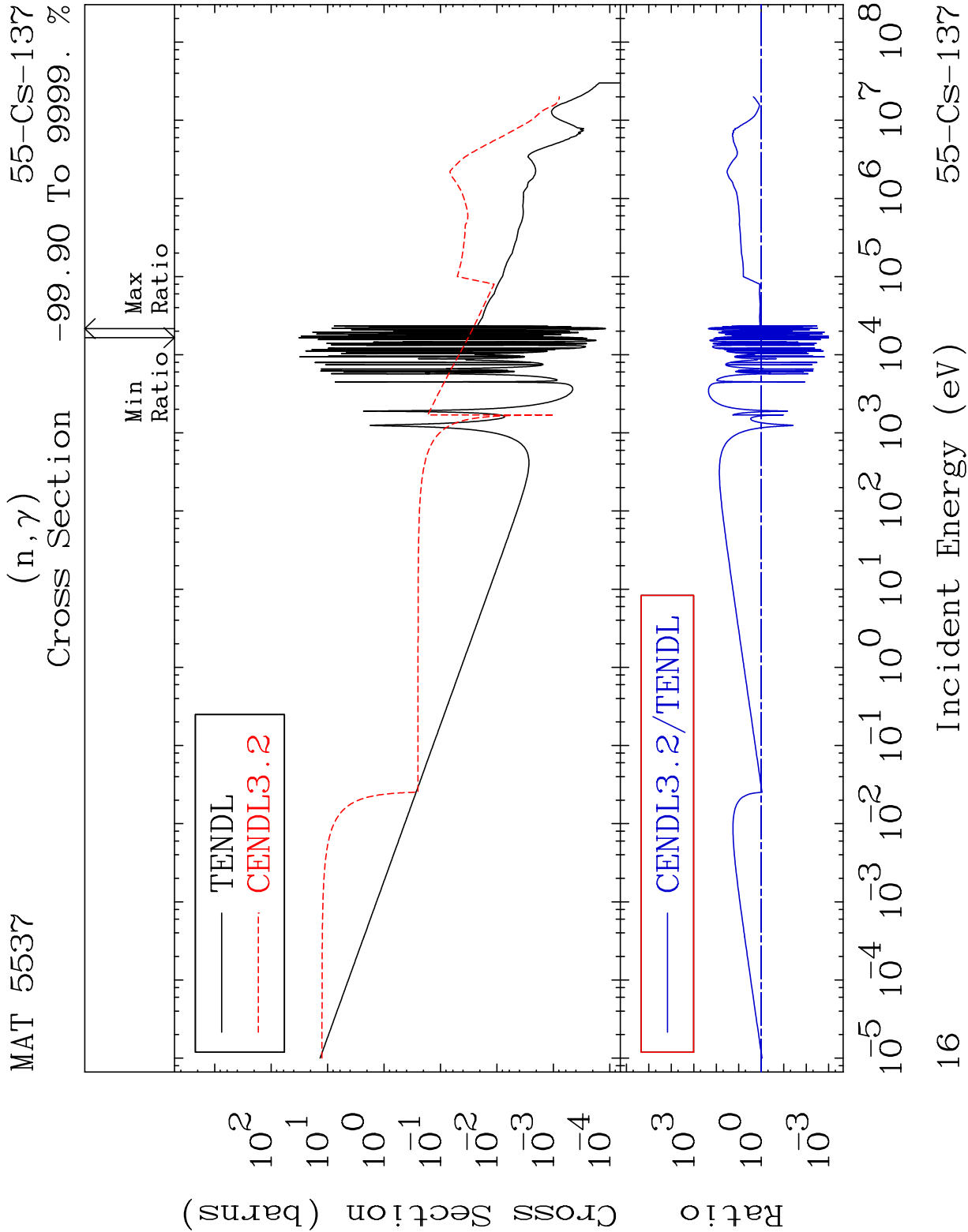


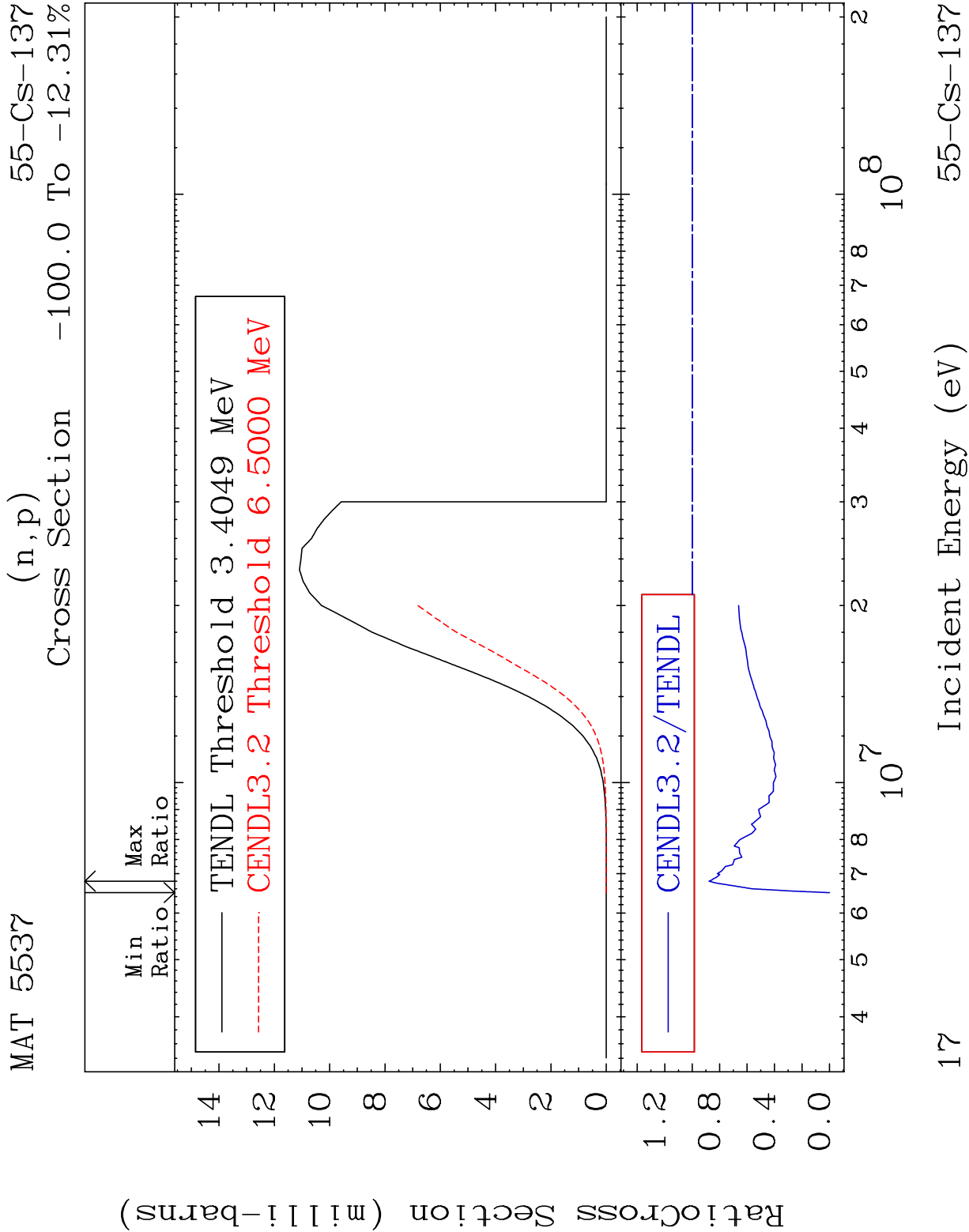
MAT 5537MT= 57 (n,n') Level55-Cs-137

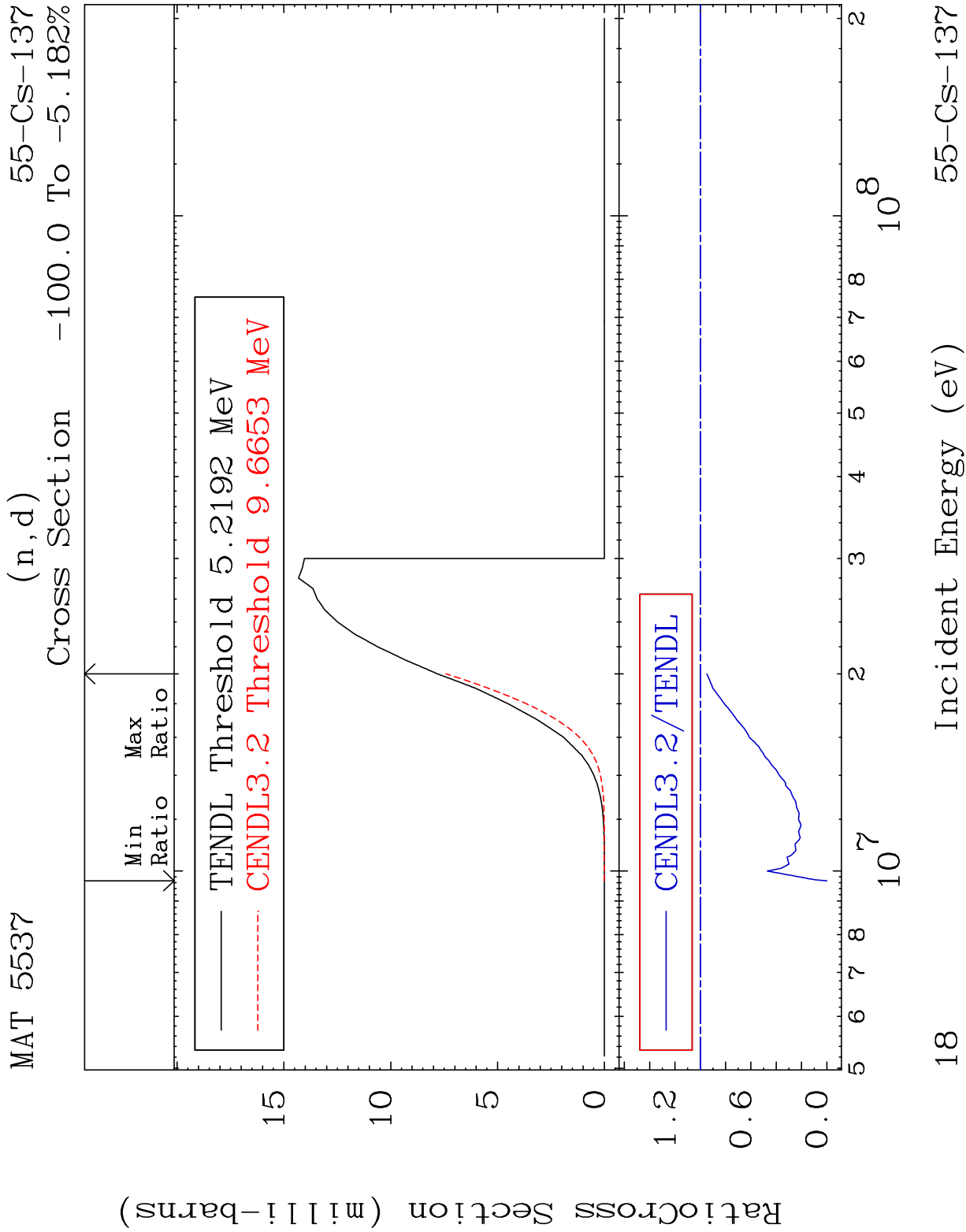
Cross Section-100.0 To -89.99%

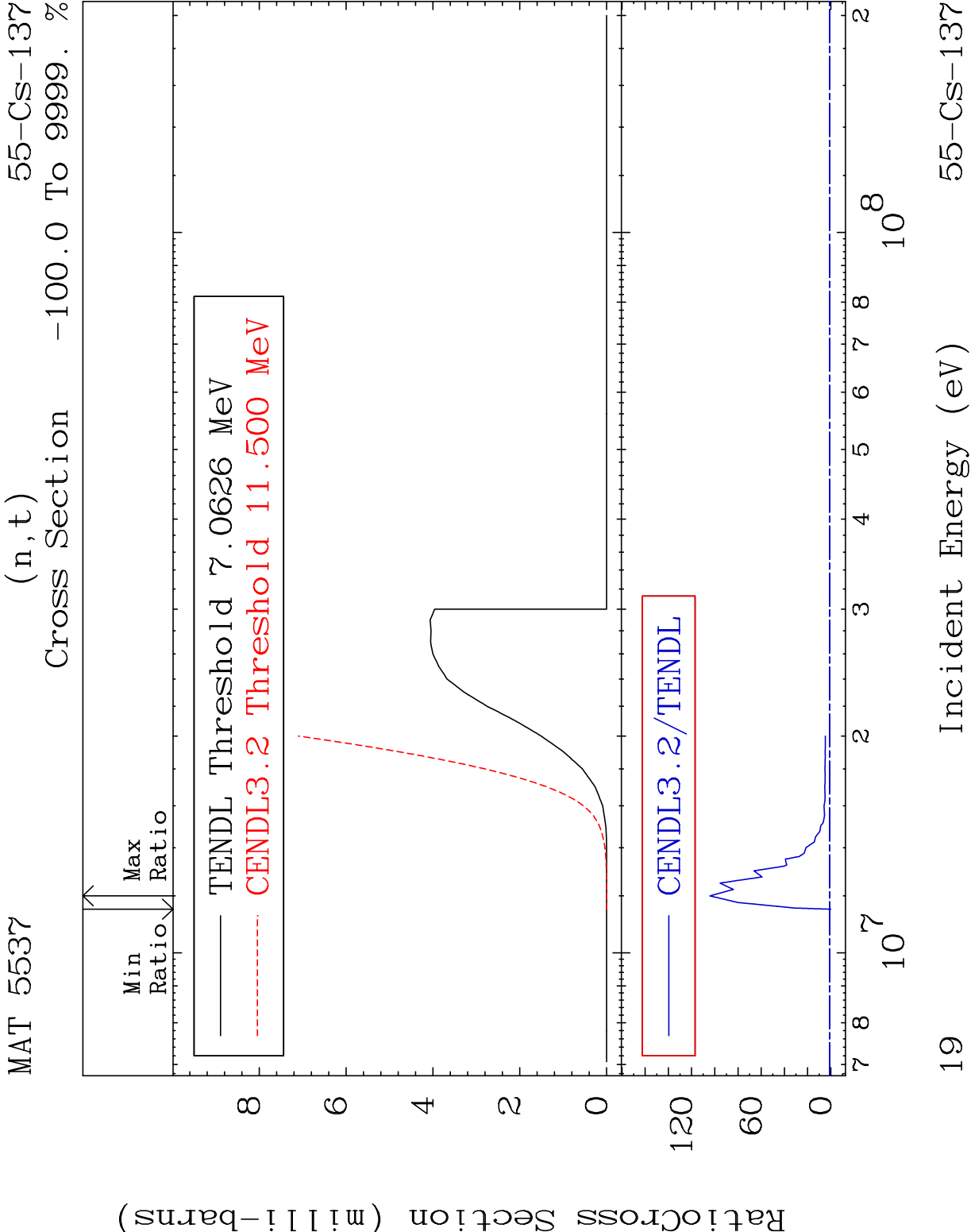


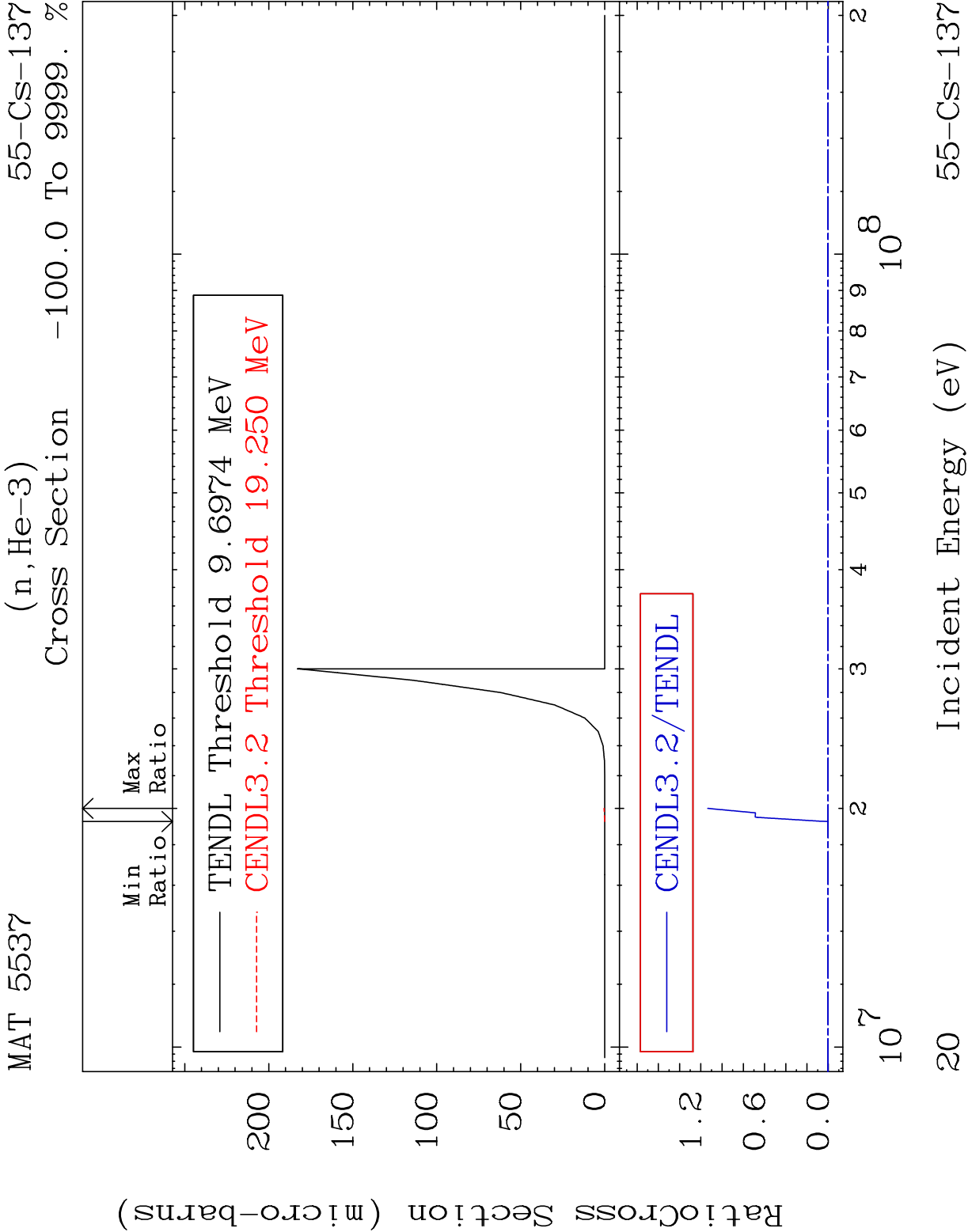


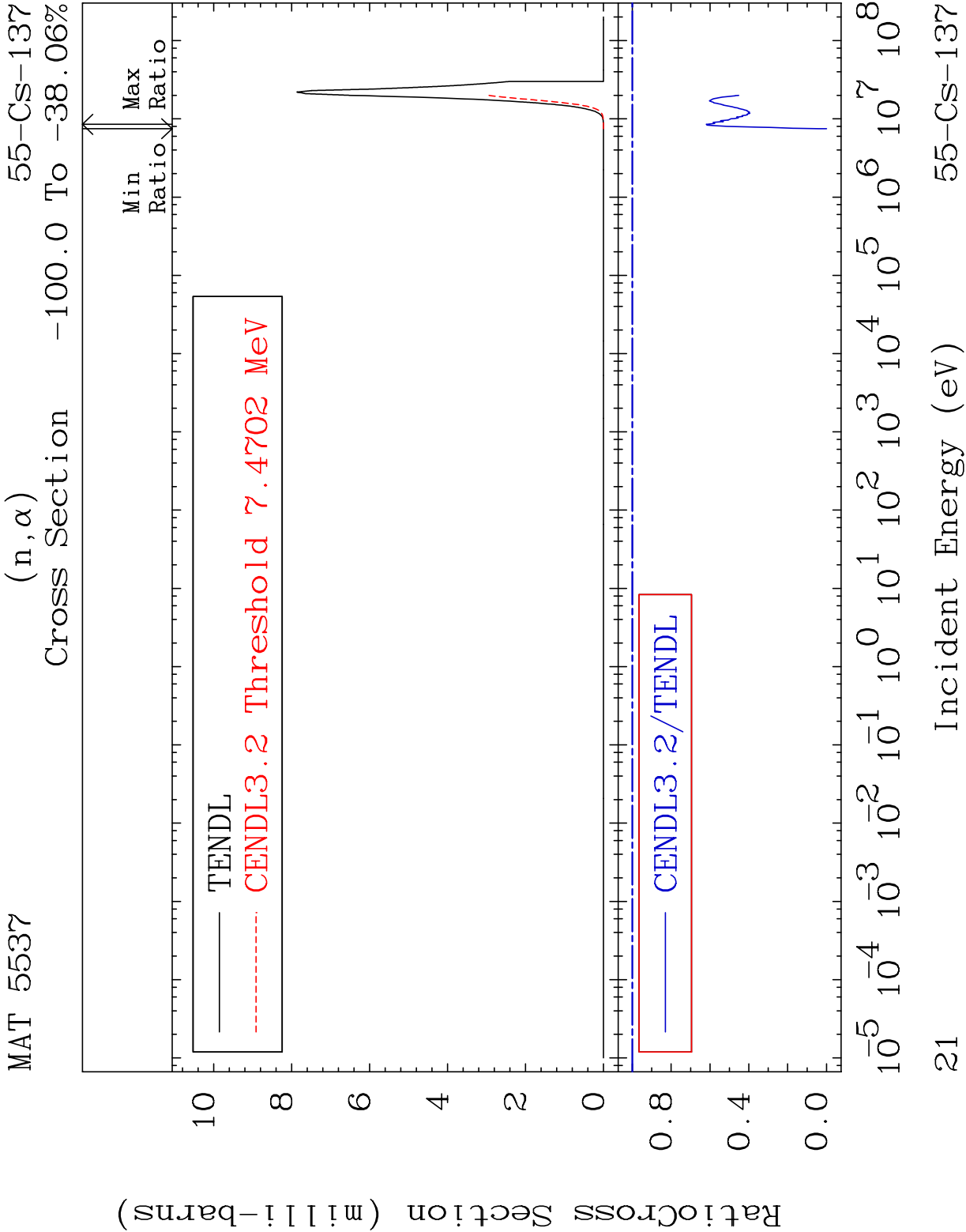


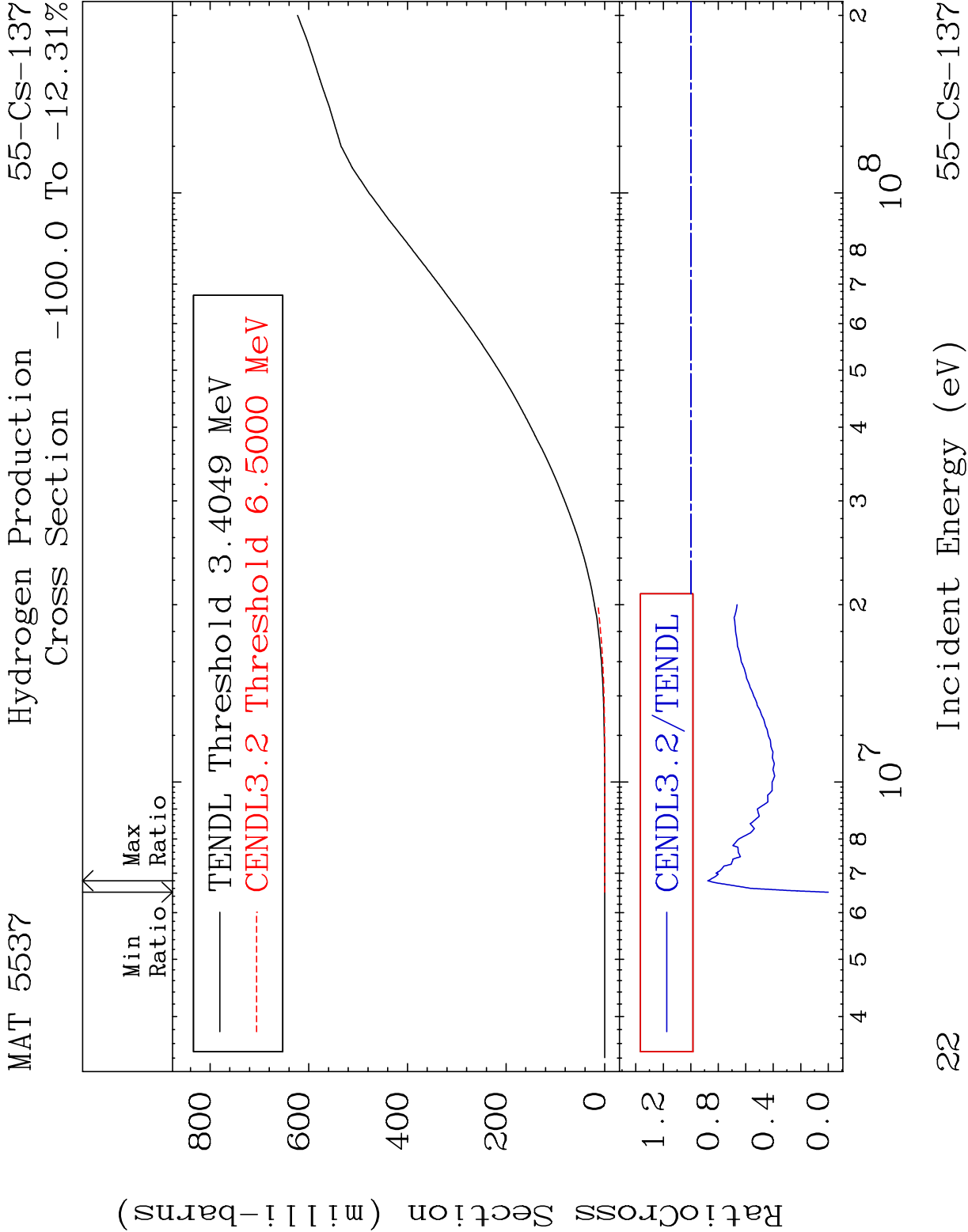




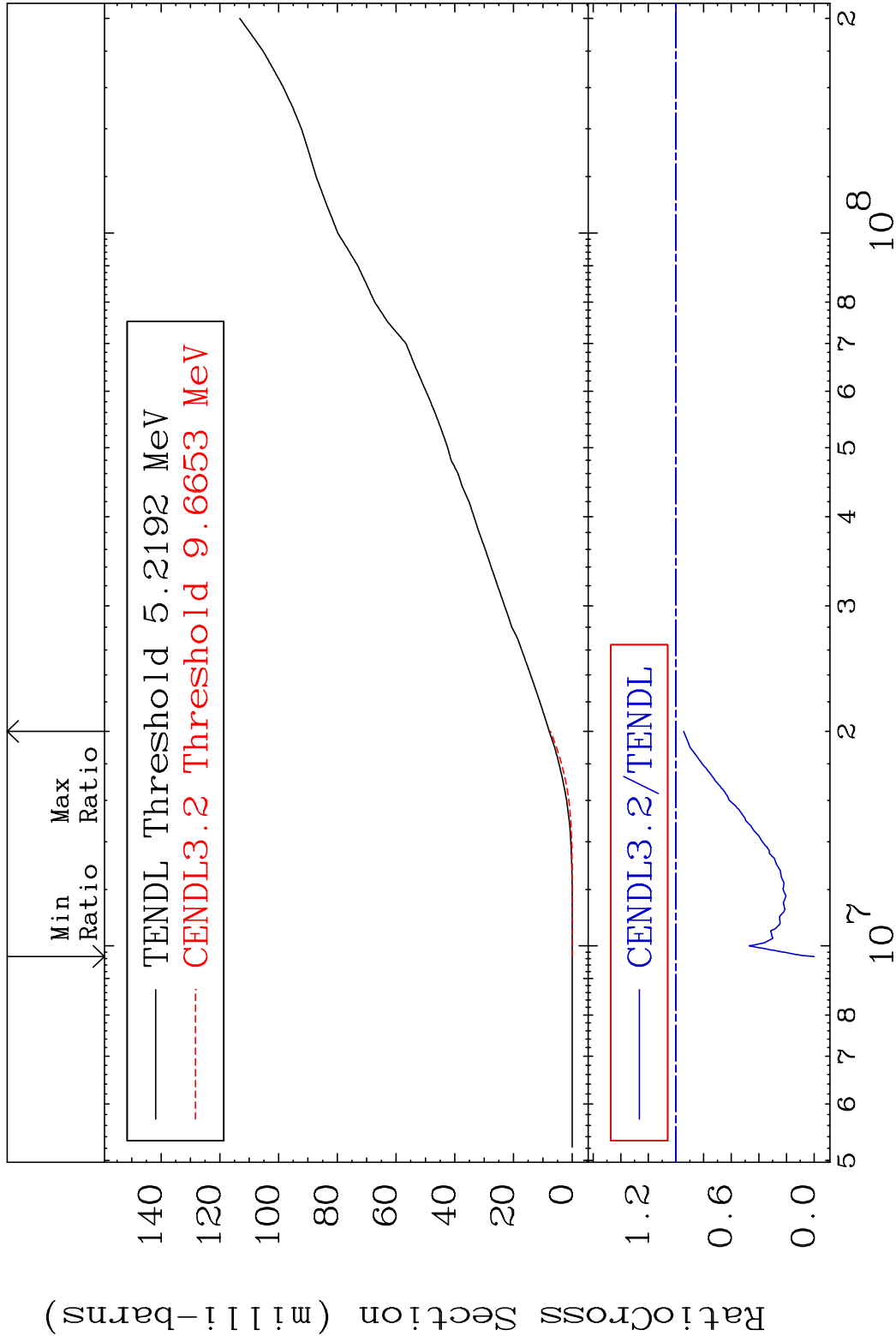


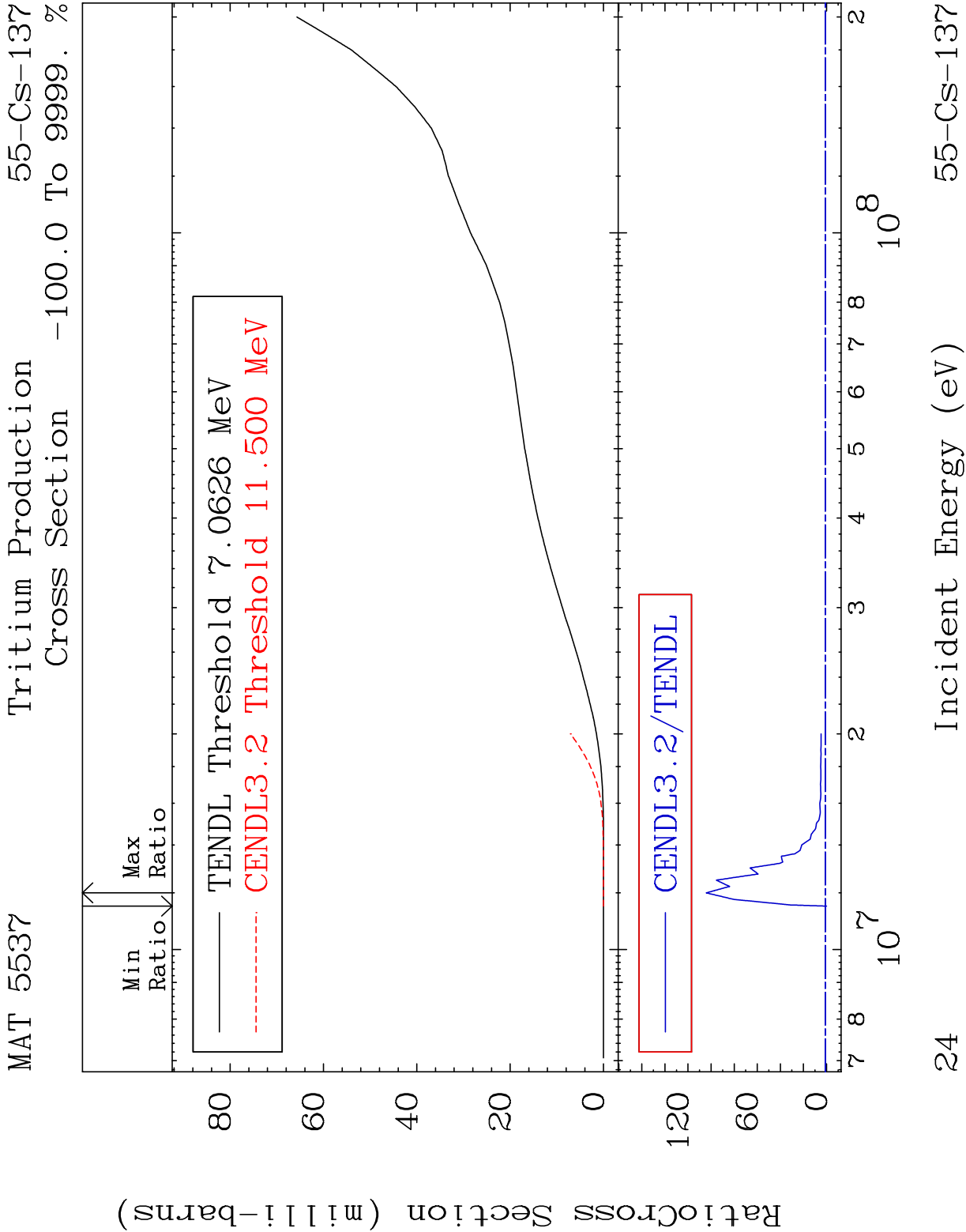


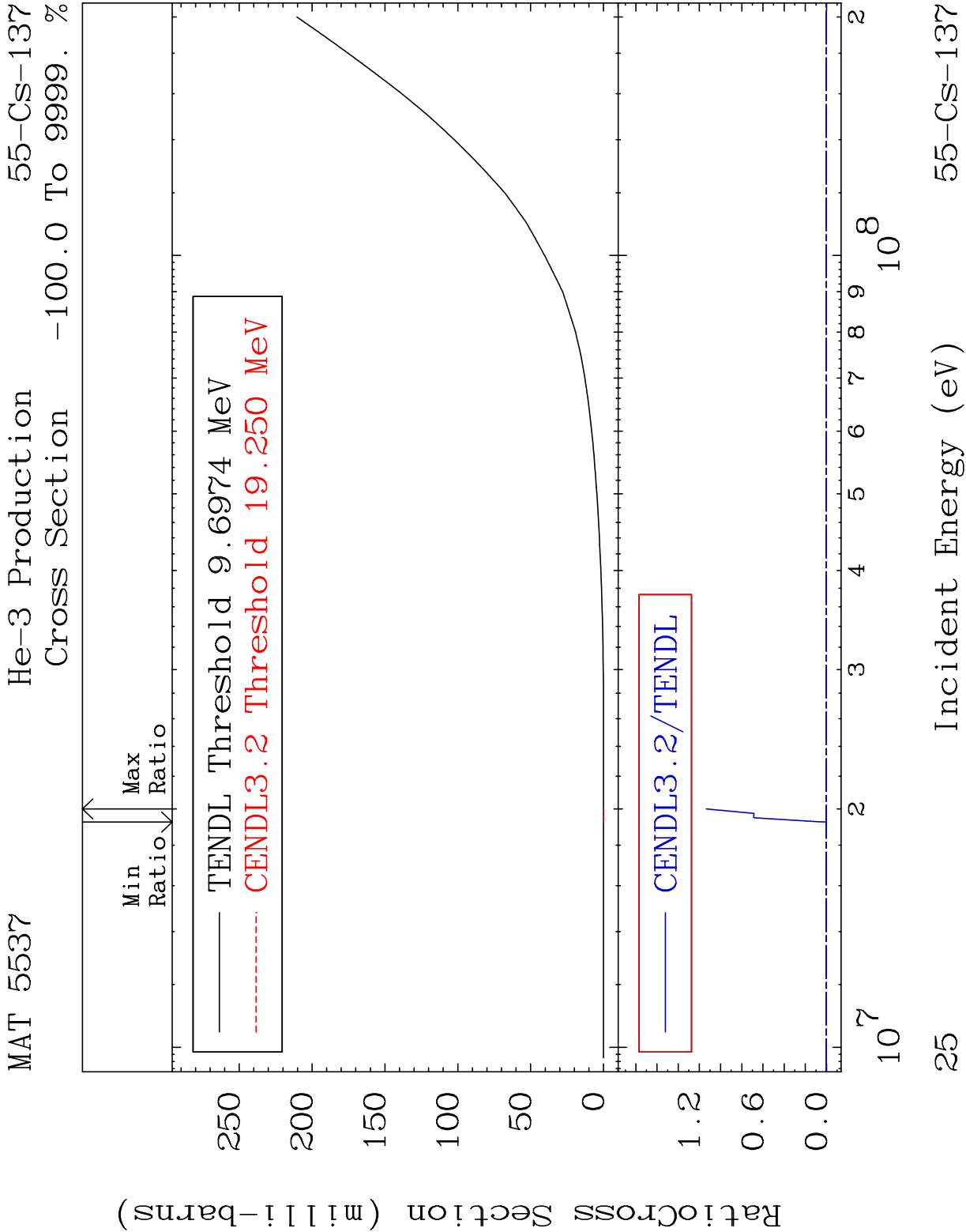




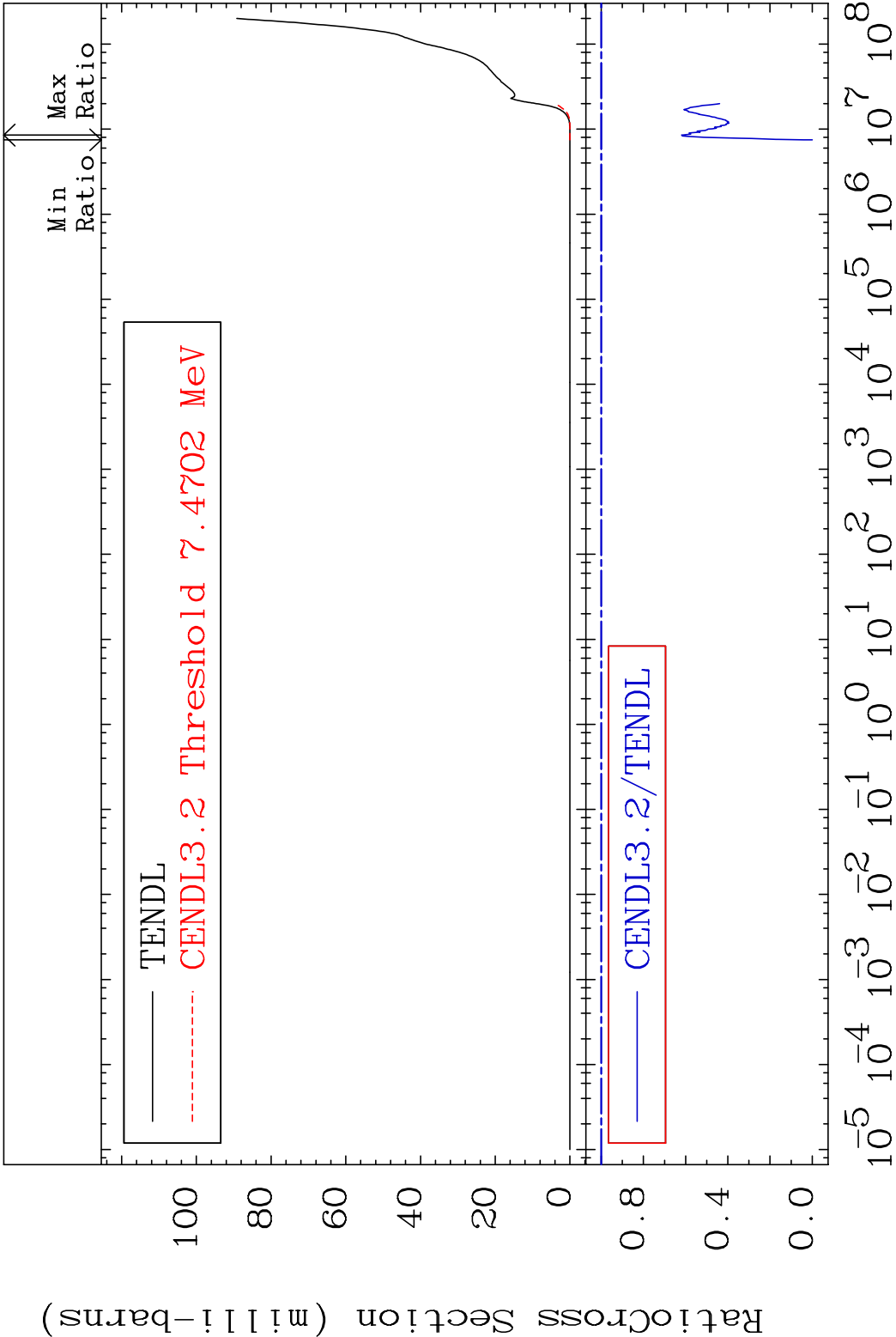
Cross Section -100.0 To -5.545%





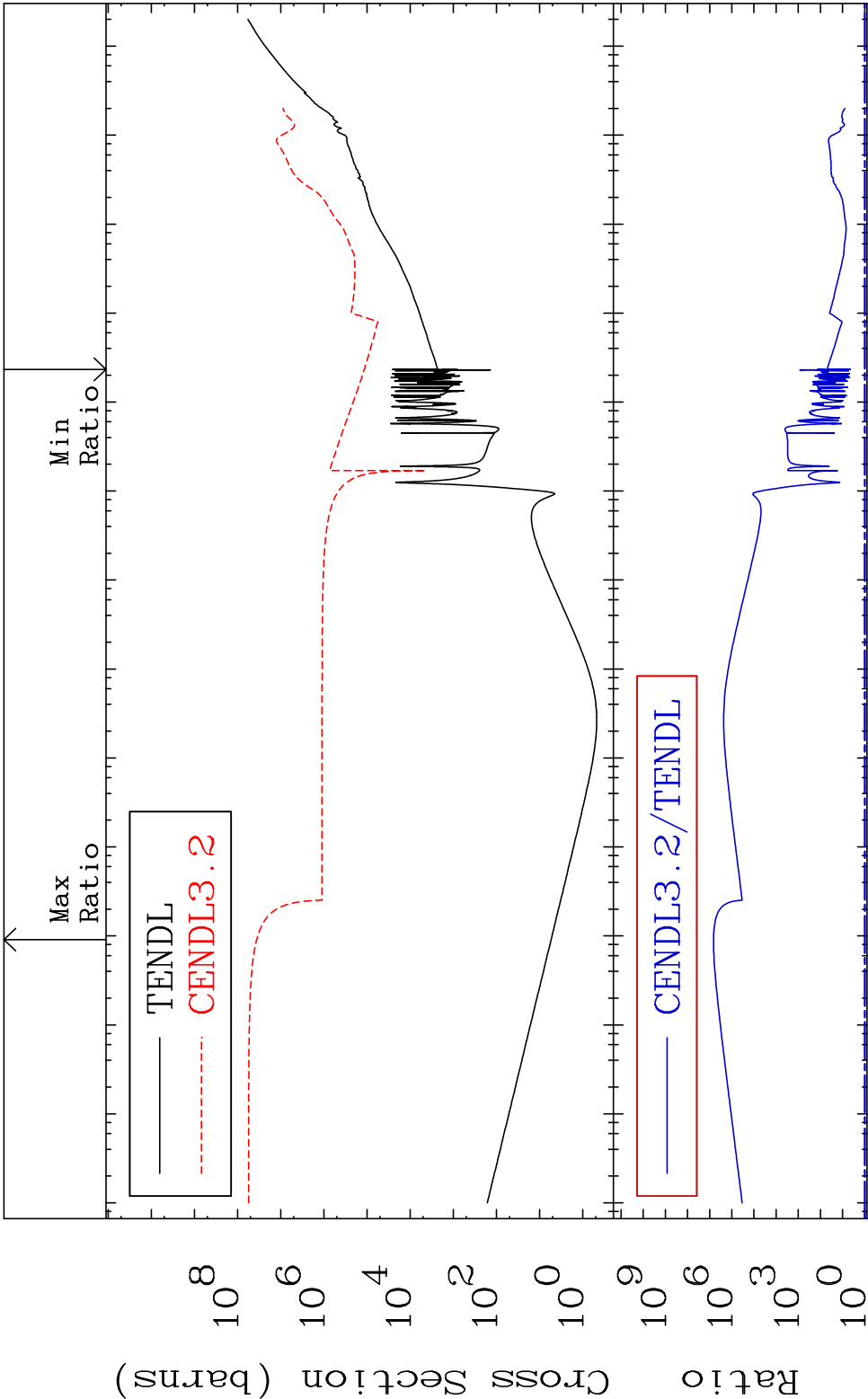


MAT 5537	He-4 Production	55-Cs-137
	Cross Section	-100.0 To -38.06%

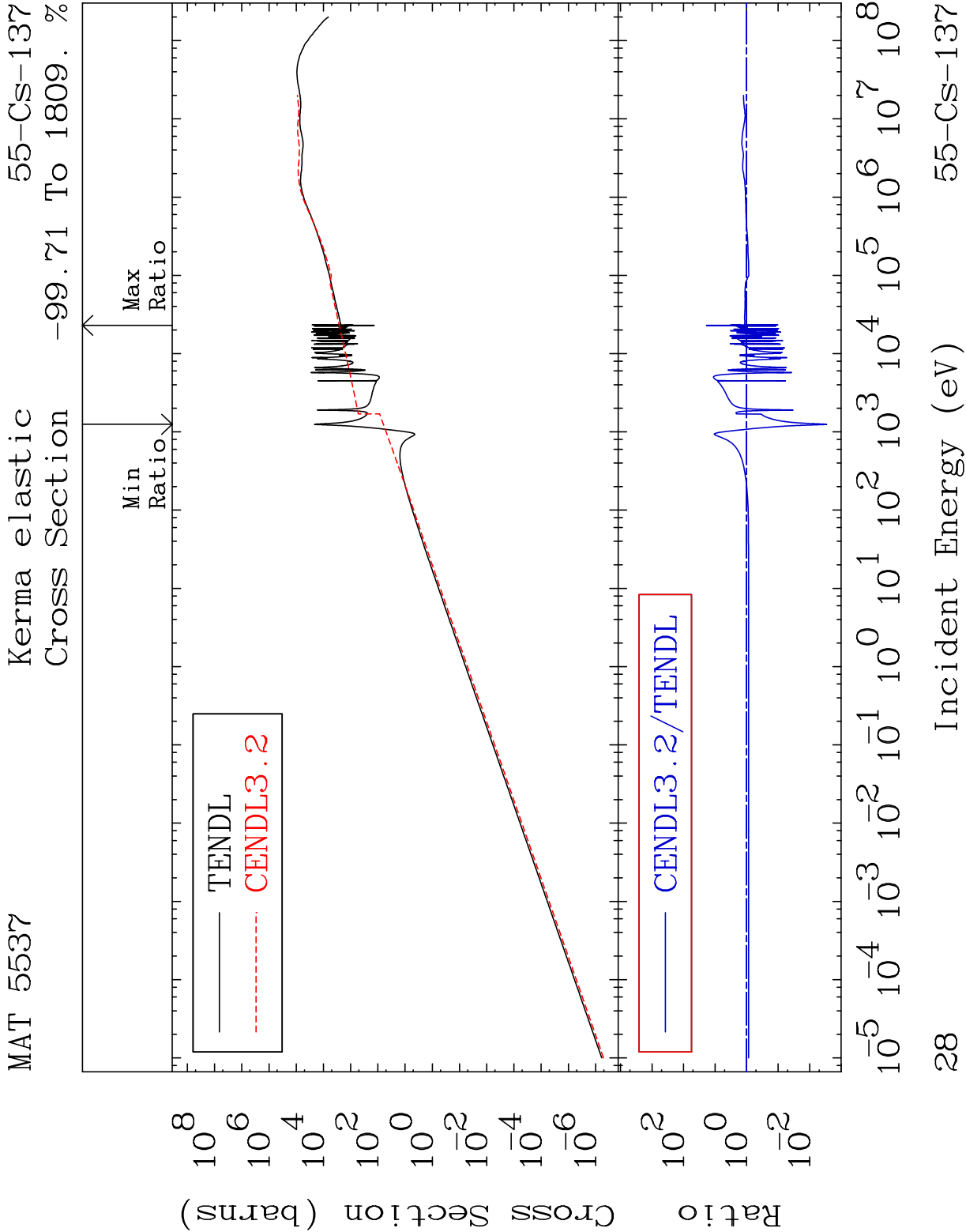


26	Incident Energy (eV)	55-Cs-137
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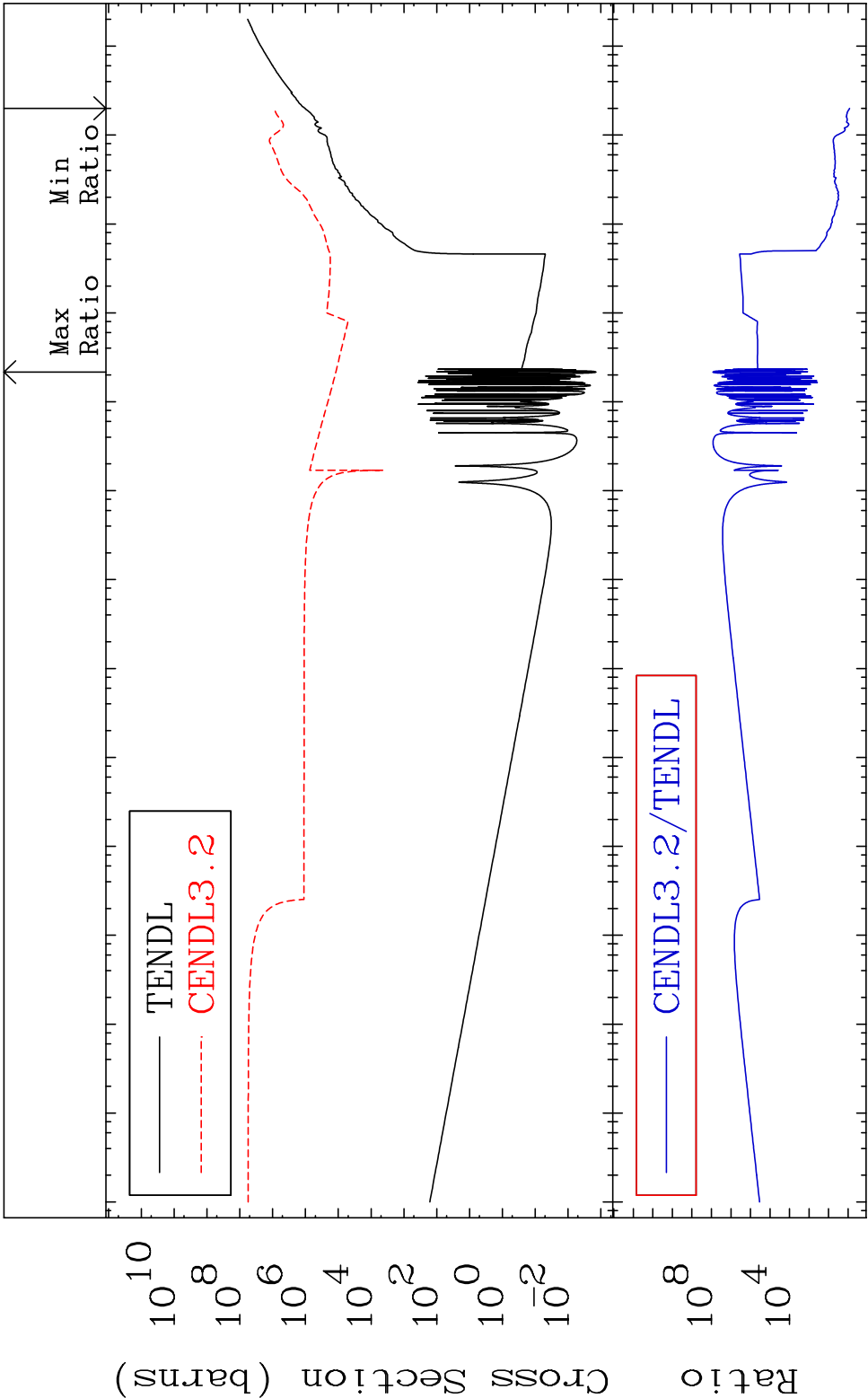
MAT 5537	Kerma total (eV-barns)	55-Cs-137
	Cross Section	345.7 To 9999. %



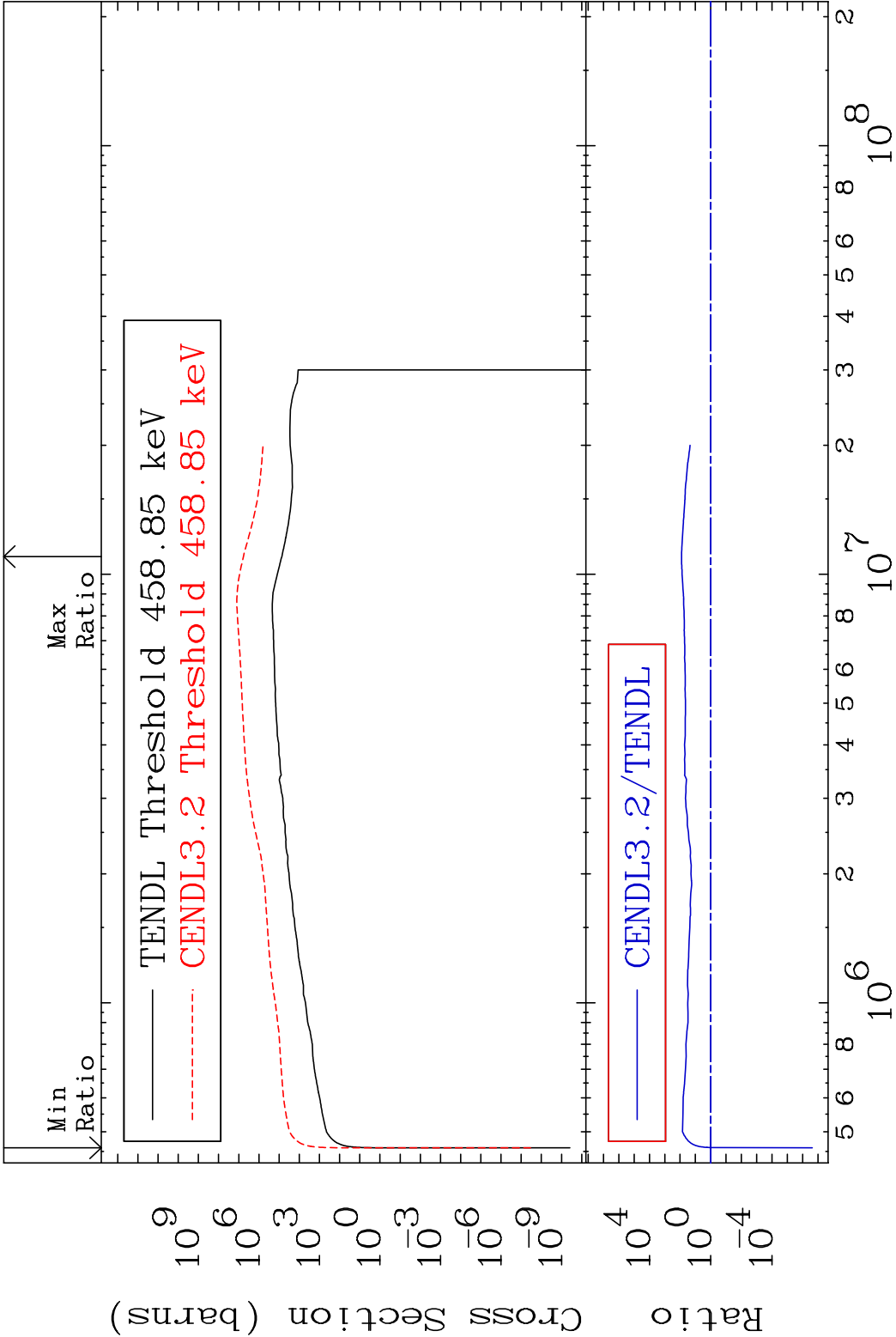
27	Incident Energy (eV)	55-Cs-137
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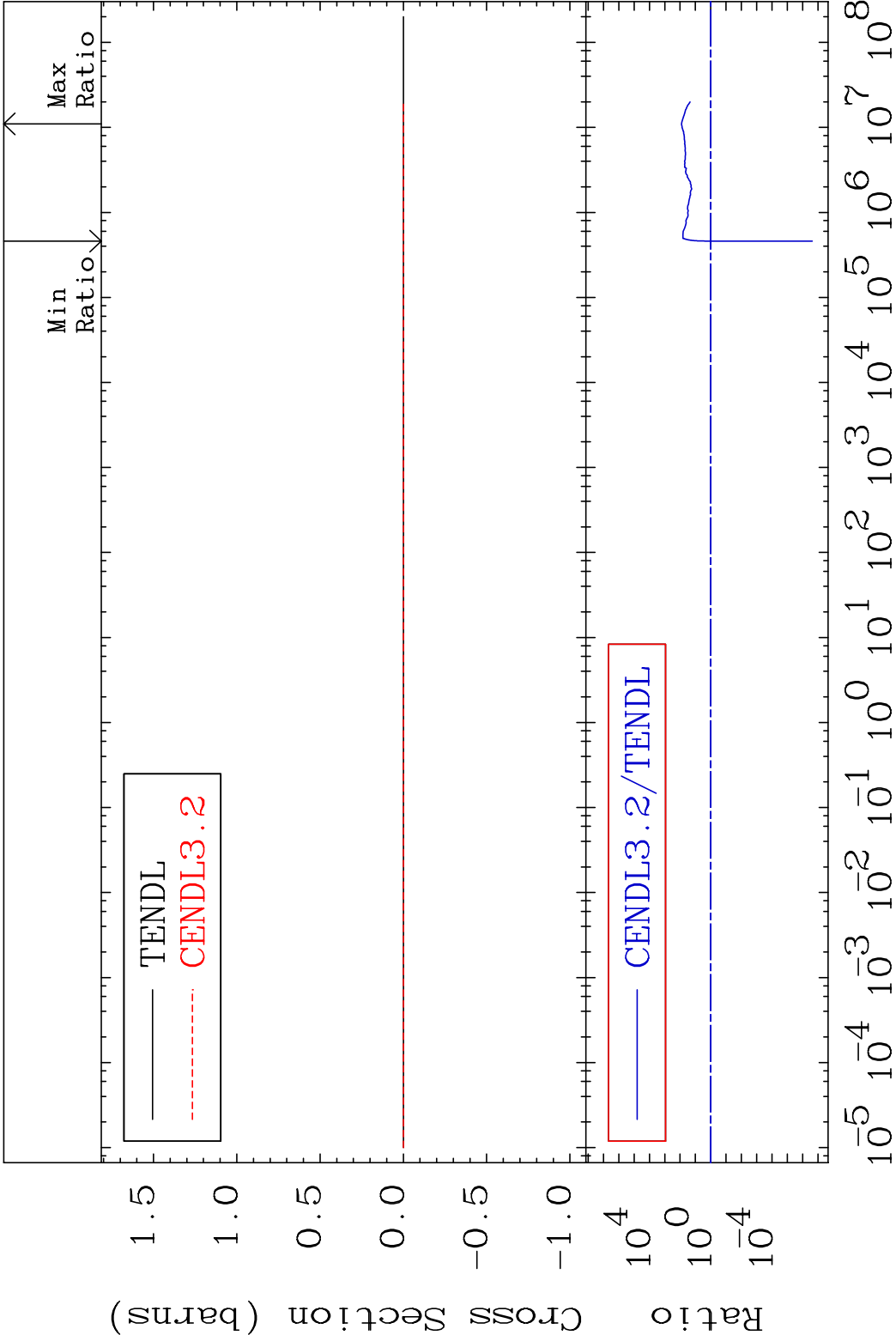
MAT 5537	Kerma non-elastic (all but mt2)	55-Cs-137
	Cross Section	745.8 To 9999. %

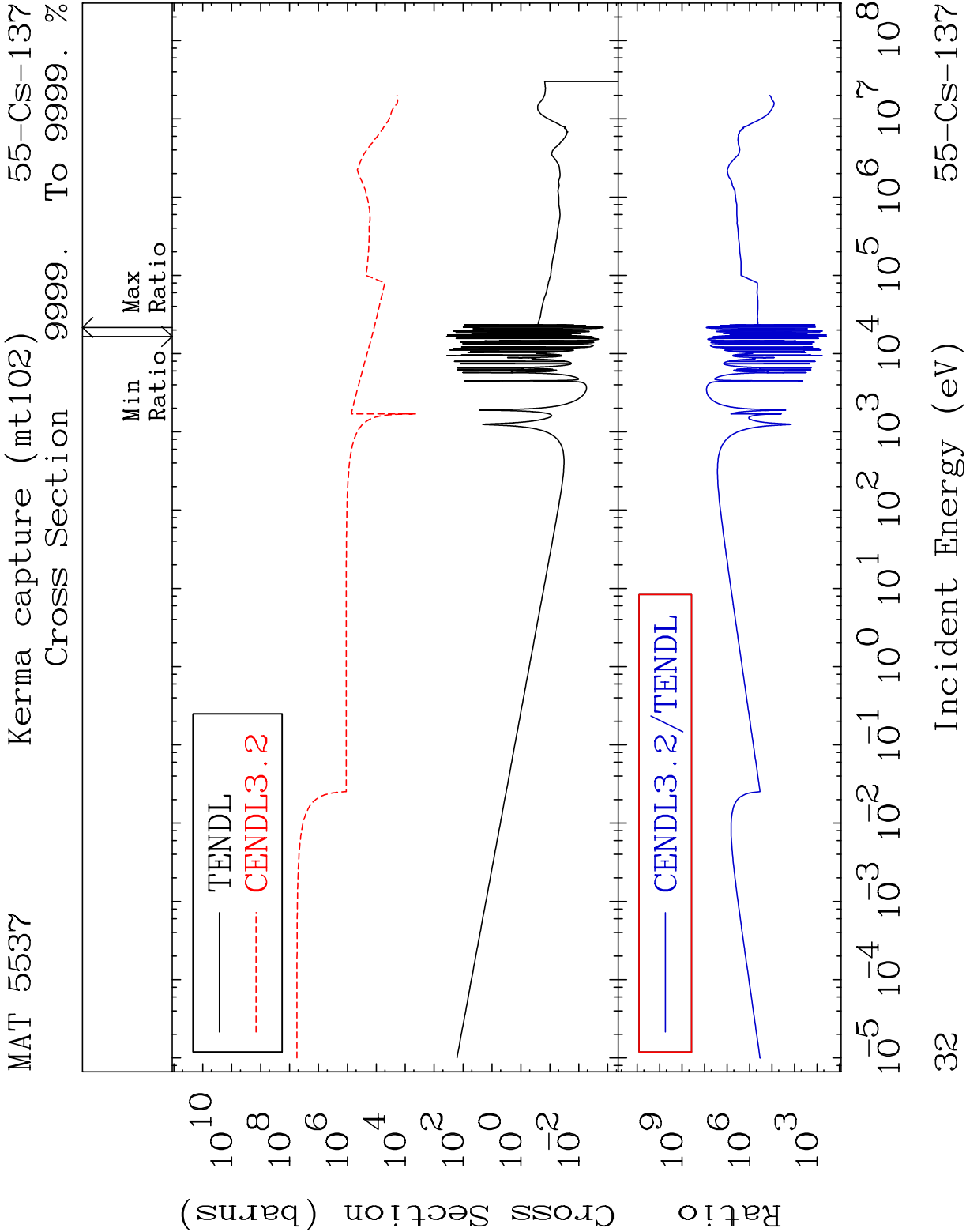


MAT 5537 Kerma inelastic (mt51-91) 55-Cs-137
Cross Section -100.0 To 7935. %

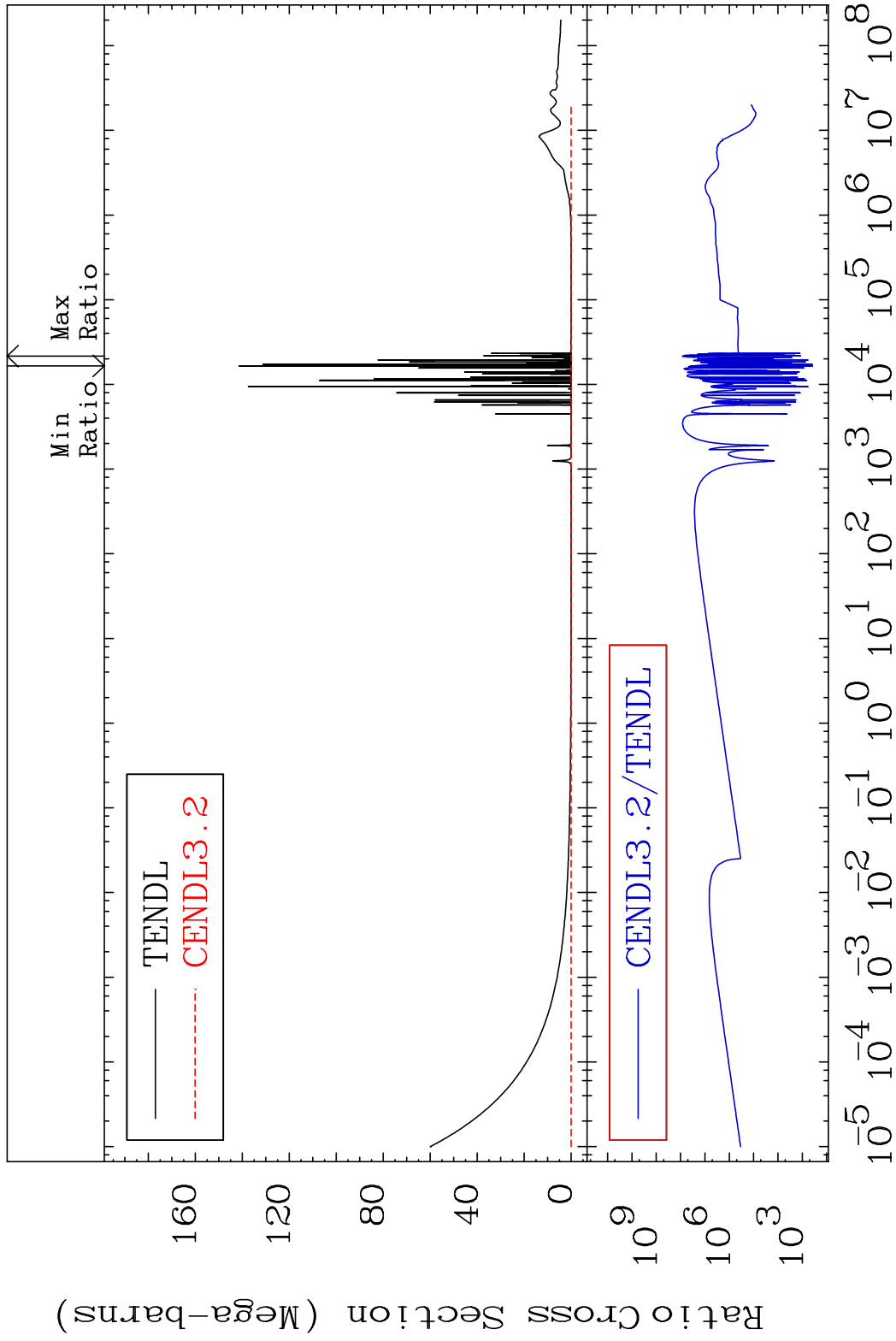


MAT 5537 Kerma fission (mt18 or mt19-20-21-38)55-Cs-137
Cross Section -100.0 To 7935. %



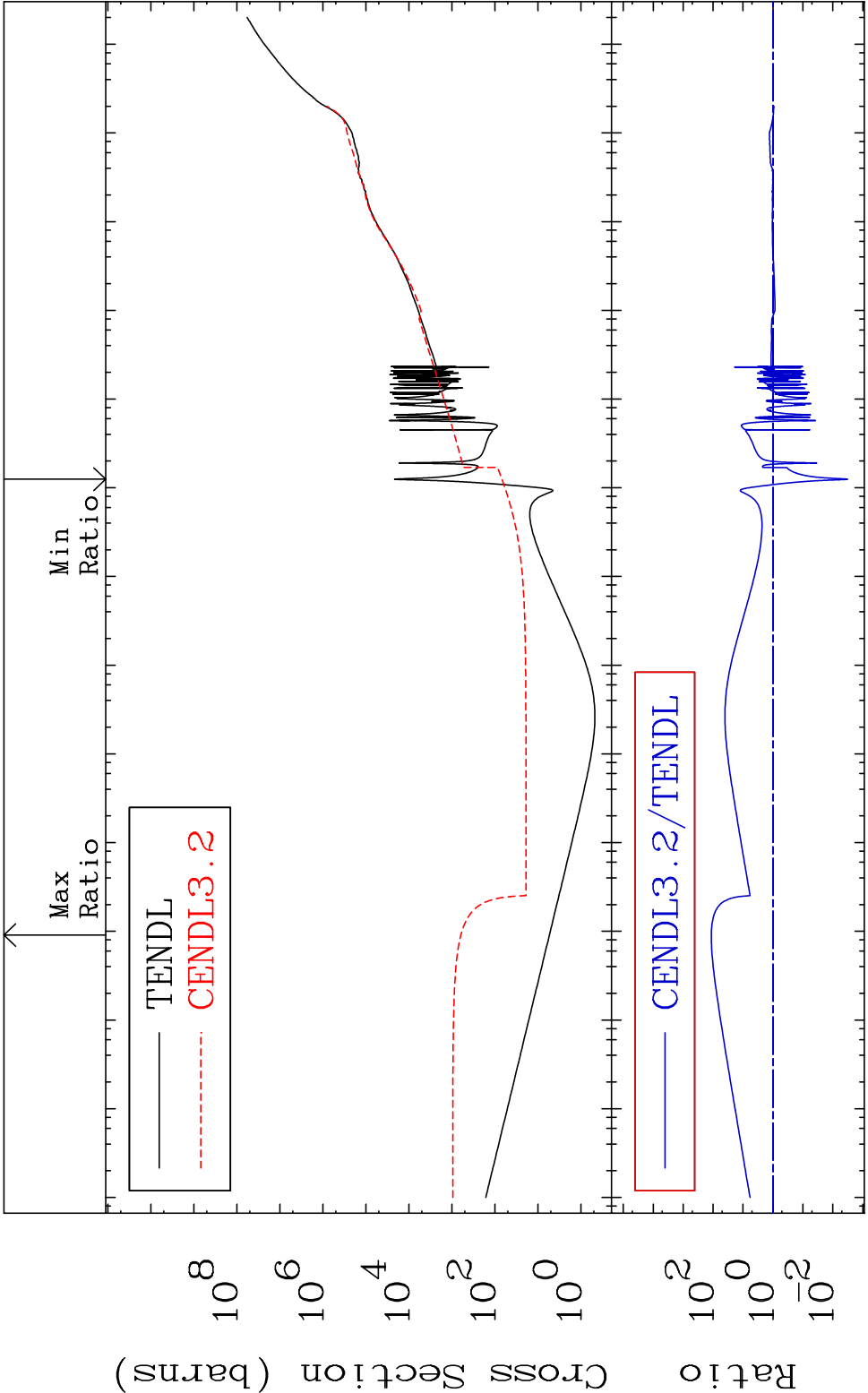


MAT 5537 Total photon (eV-barns) 55-Cs-137
 Cross Section 9999. To 9999. %

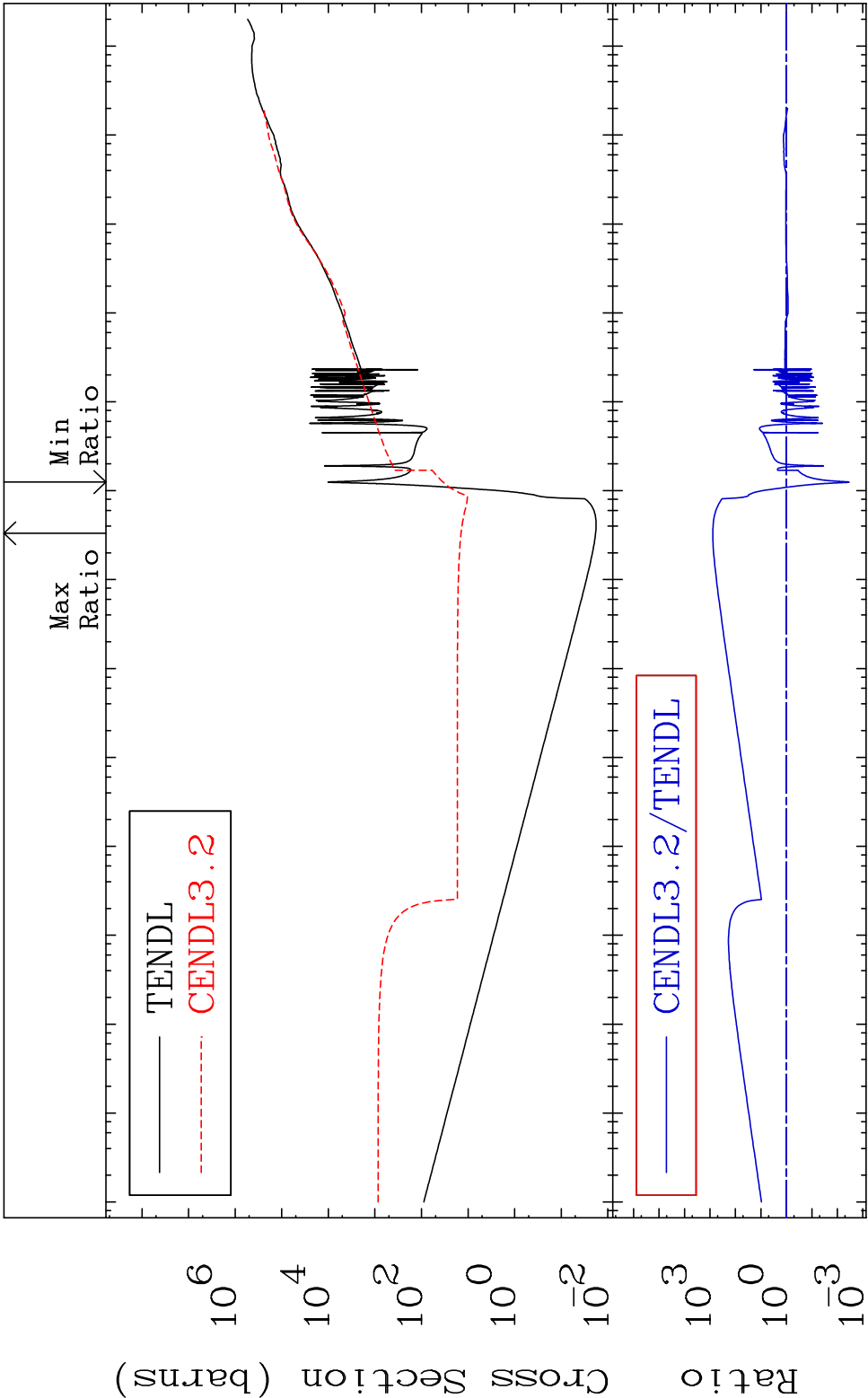


33 Incident Energy (eV) 55-Cs-137

MAT 5537 Total kinematic kerma (high limit) 55-Cs-137
Cross Section -99.68 To 9999. %

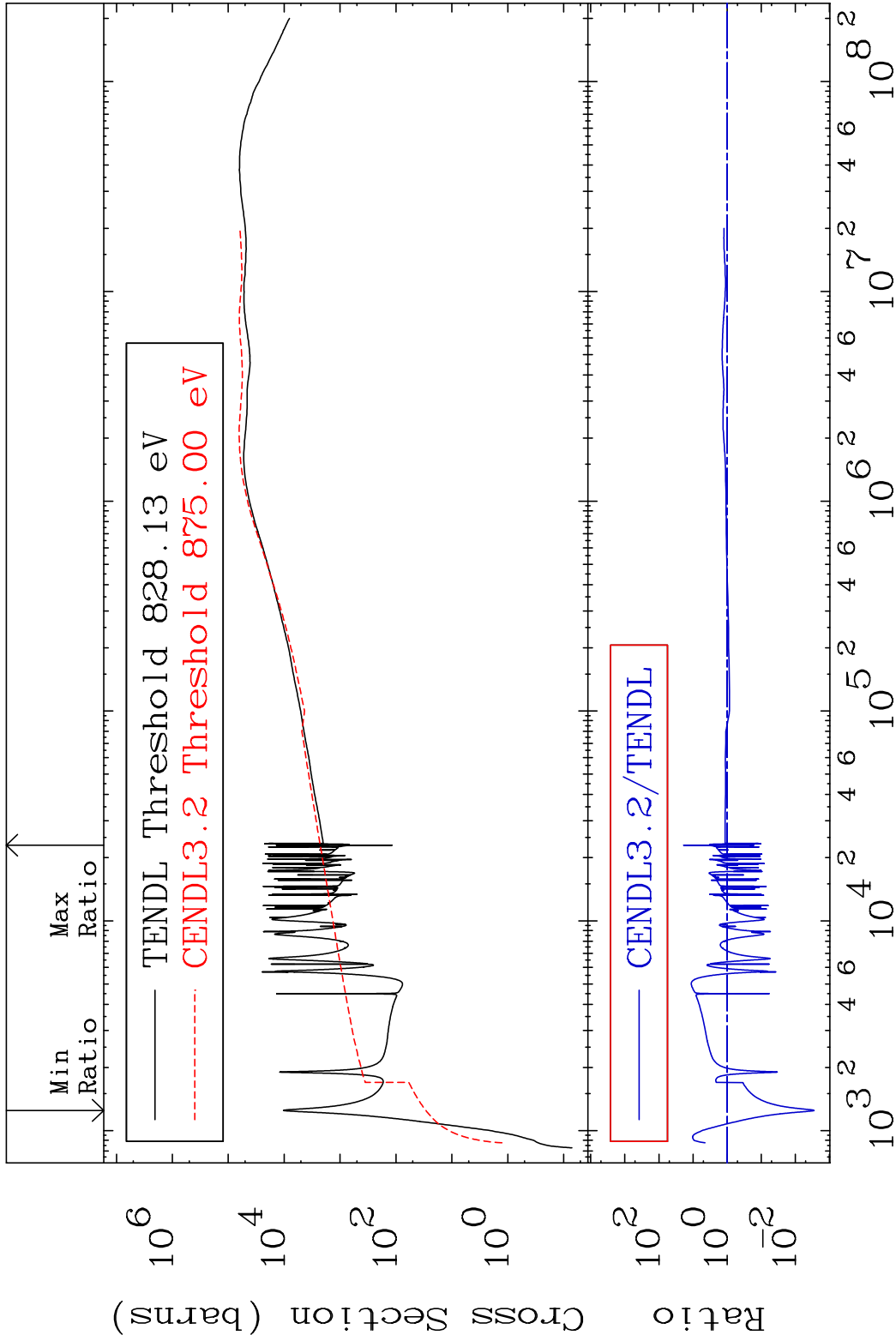


MAT 5537 Dpa total (eV-barns) 55-Cs-137
 Cross Section -99.67 To 9999. %

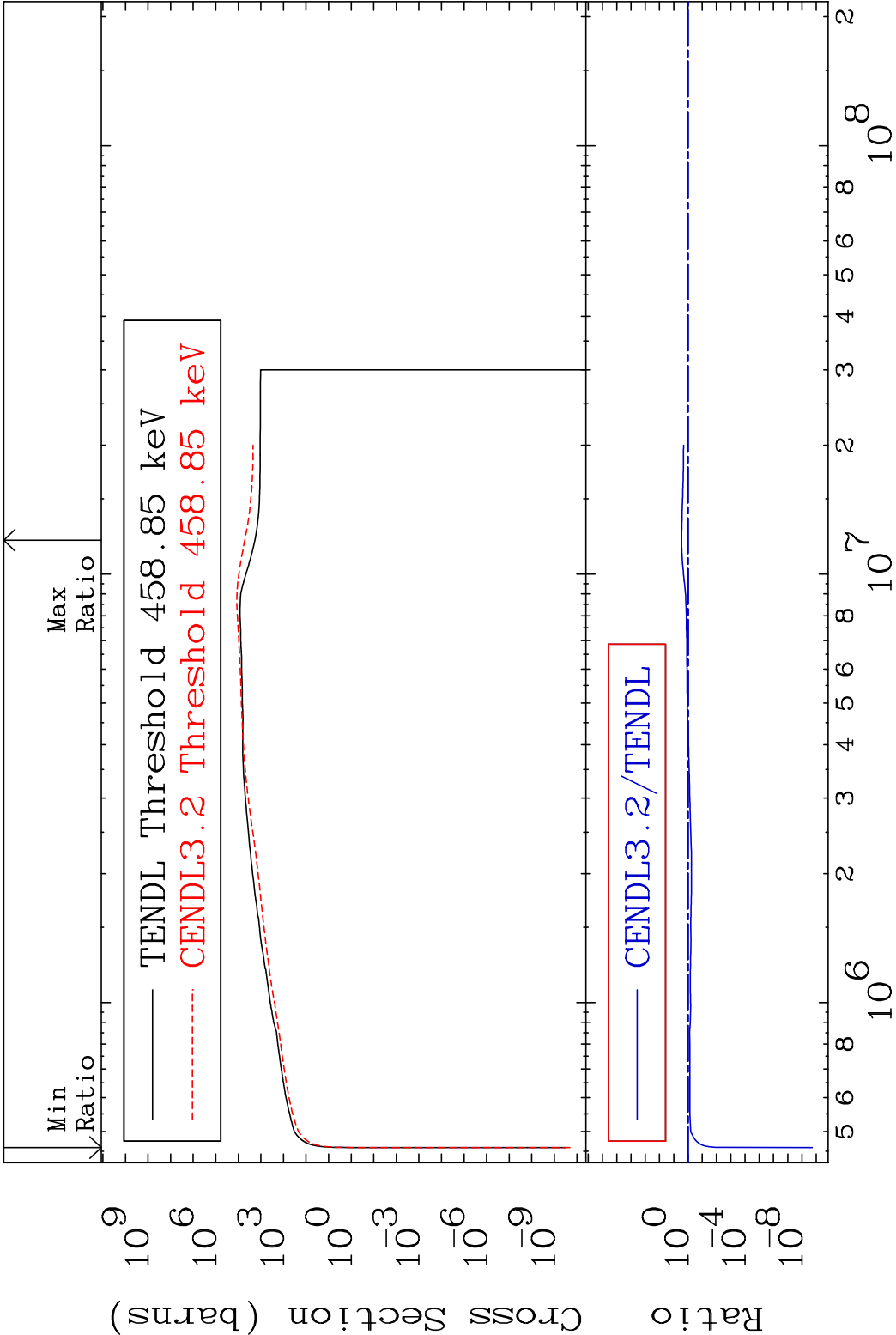


35 Incident Energy (eV) 55-Cs-137

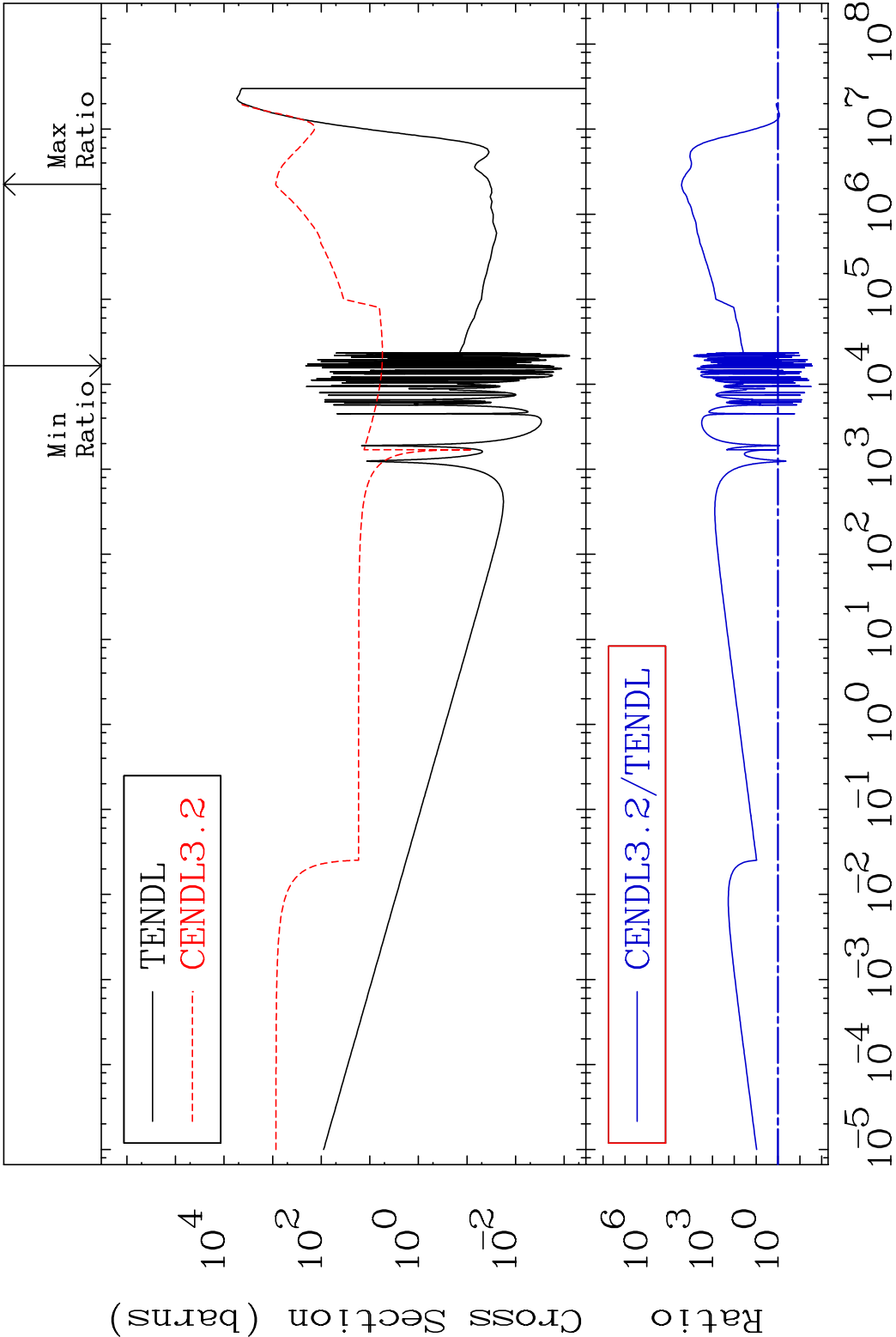
MAT 5537	Dpa elastic (mt2)	55-Cs-137
	Cross Section	-99.72 To 1810. %

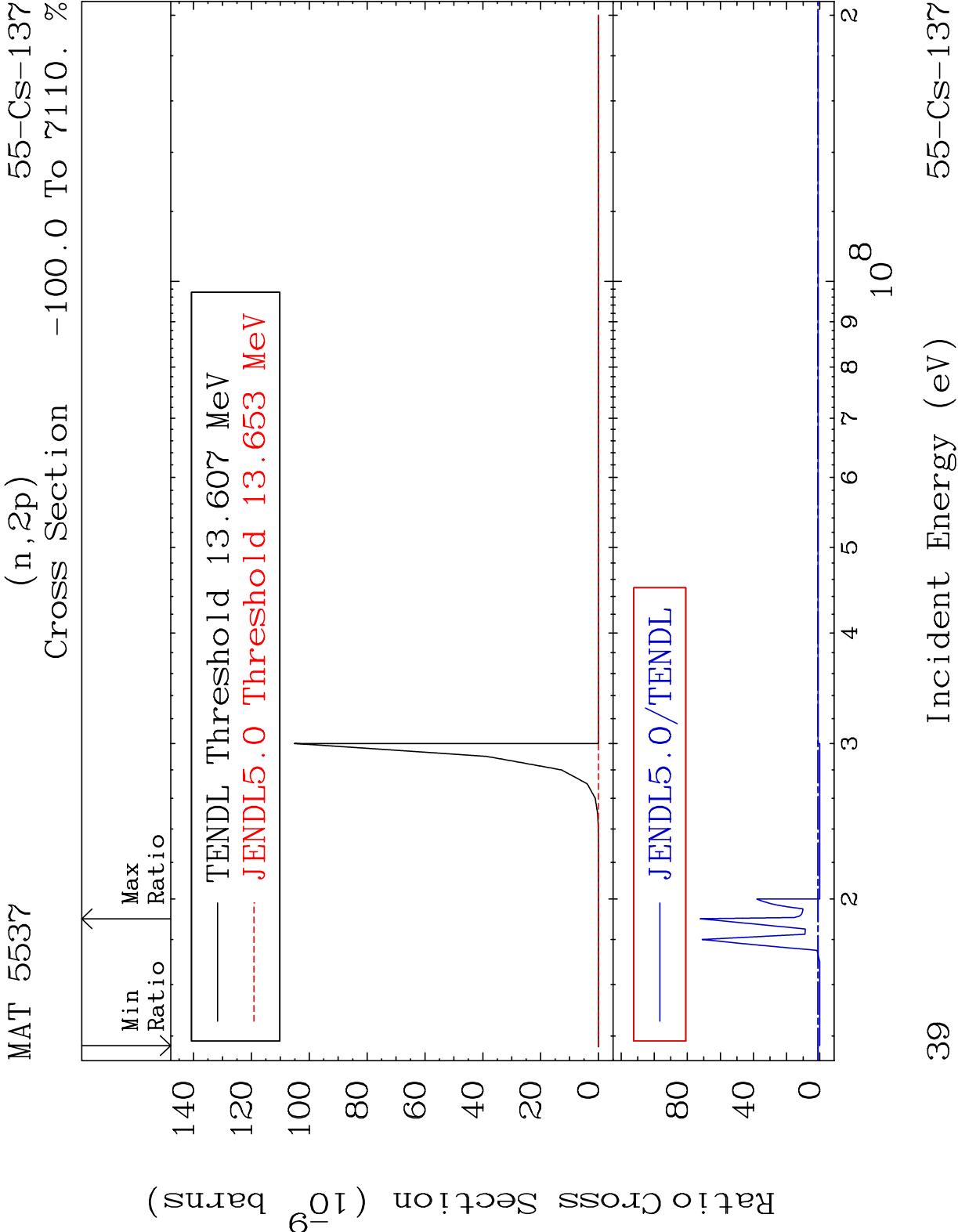


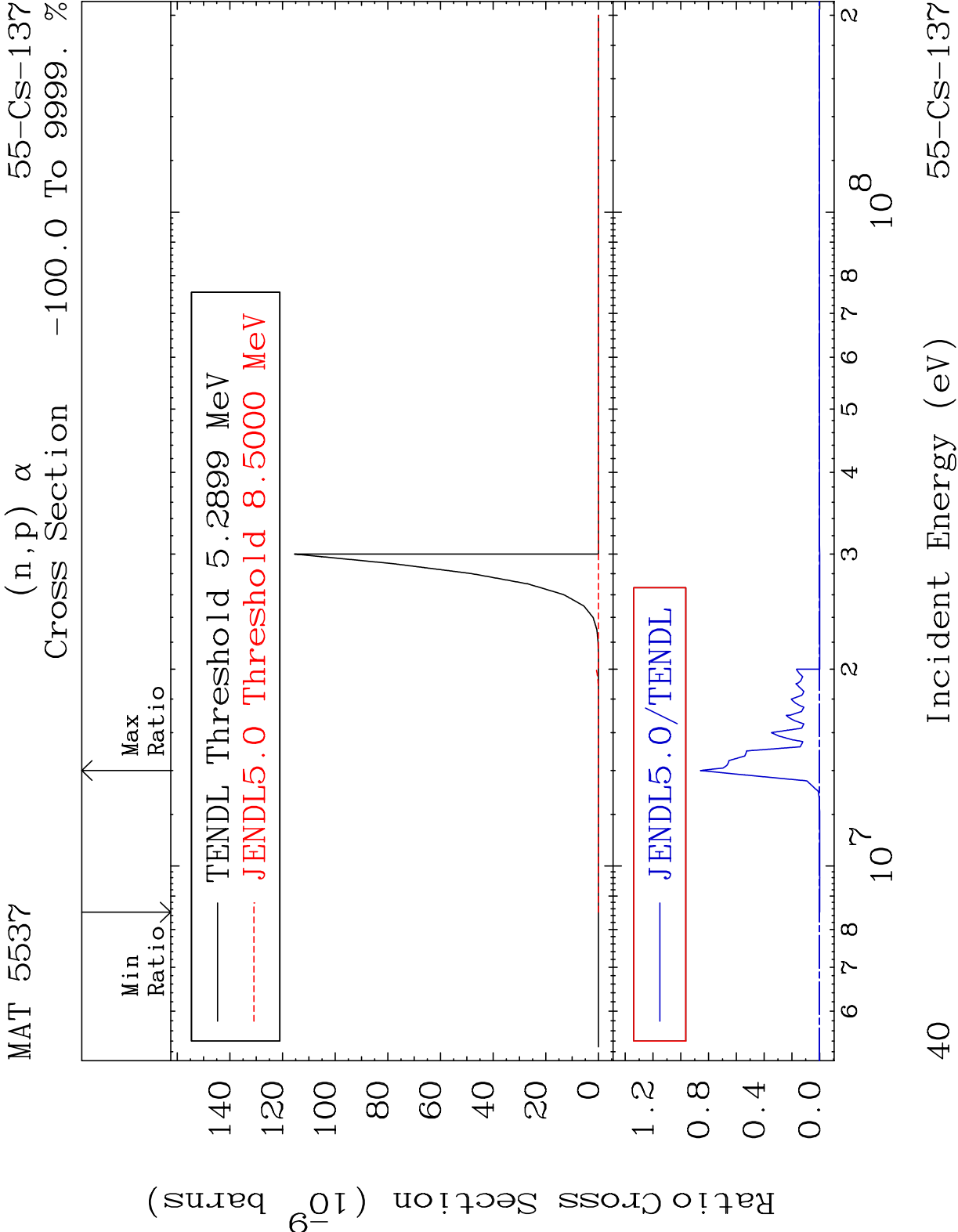
36	Incident Energy (eV)	55-Cs-137
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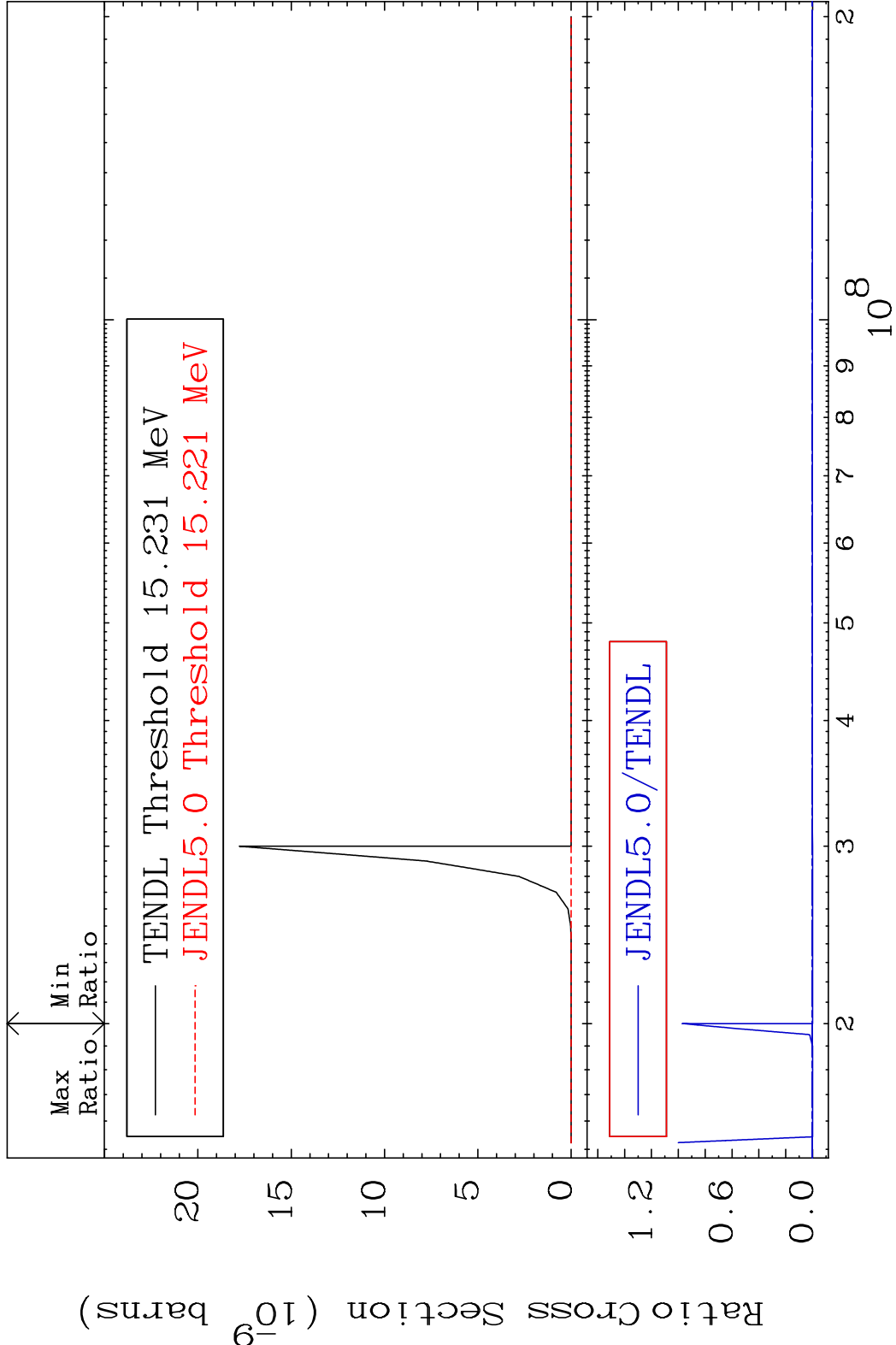


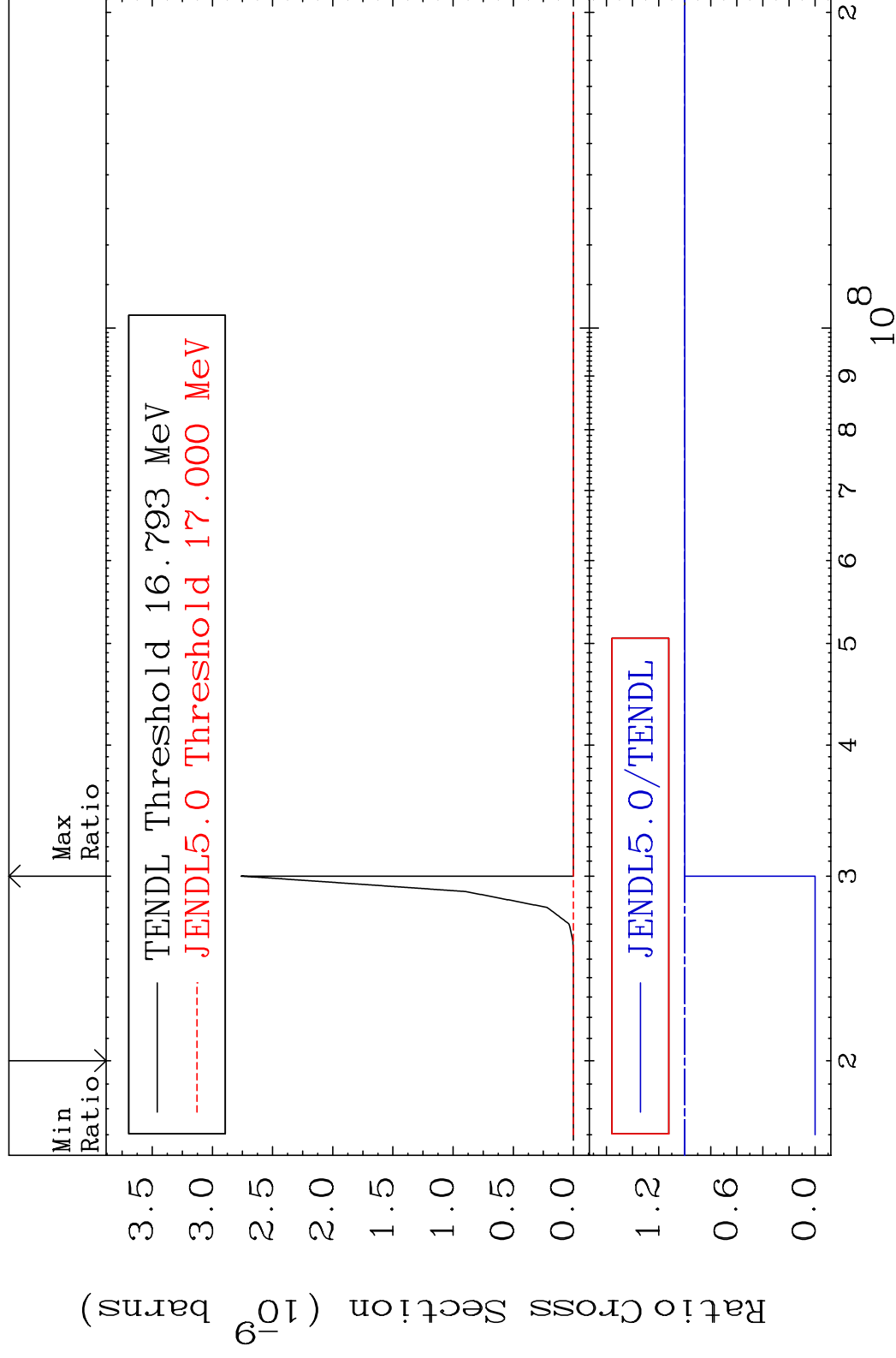
MAT 5537 Dpa disappearance (mt102 -120) 55-Cs-137
Cross Section -97.28 To 9999. %

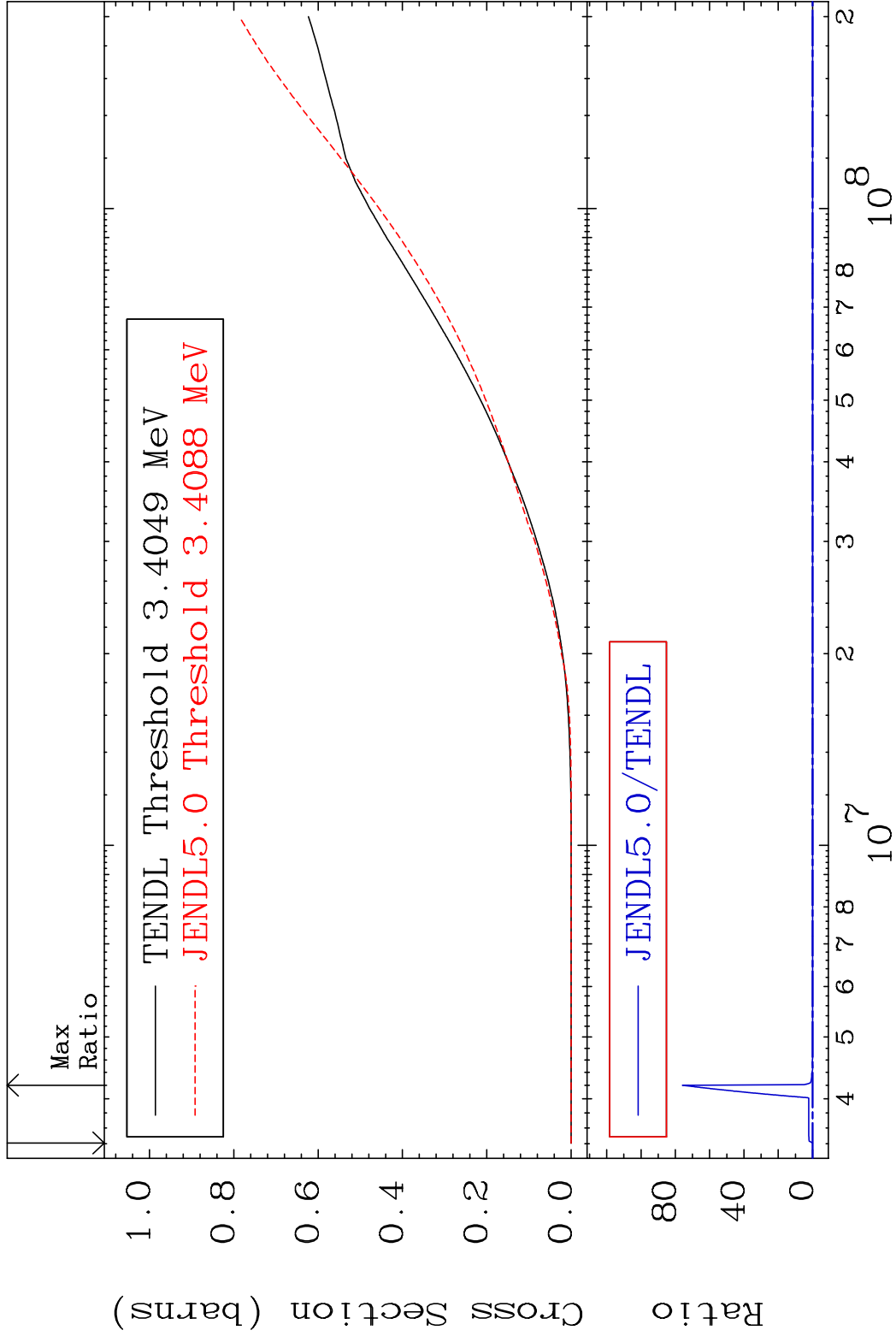


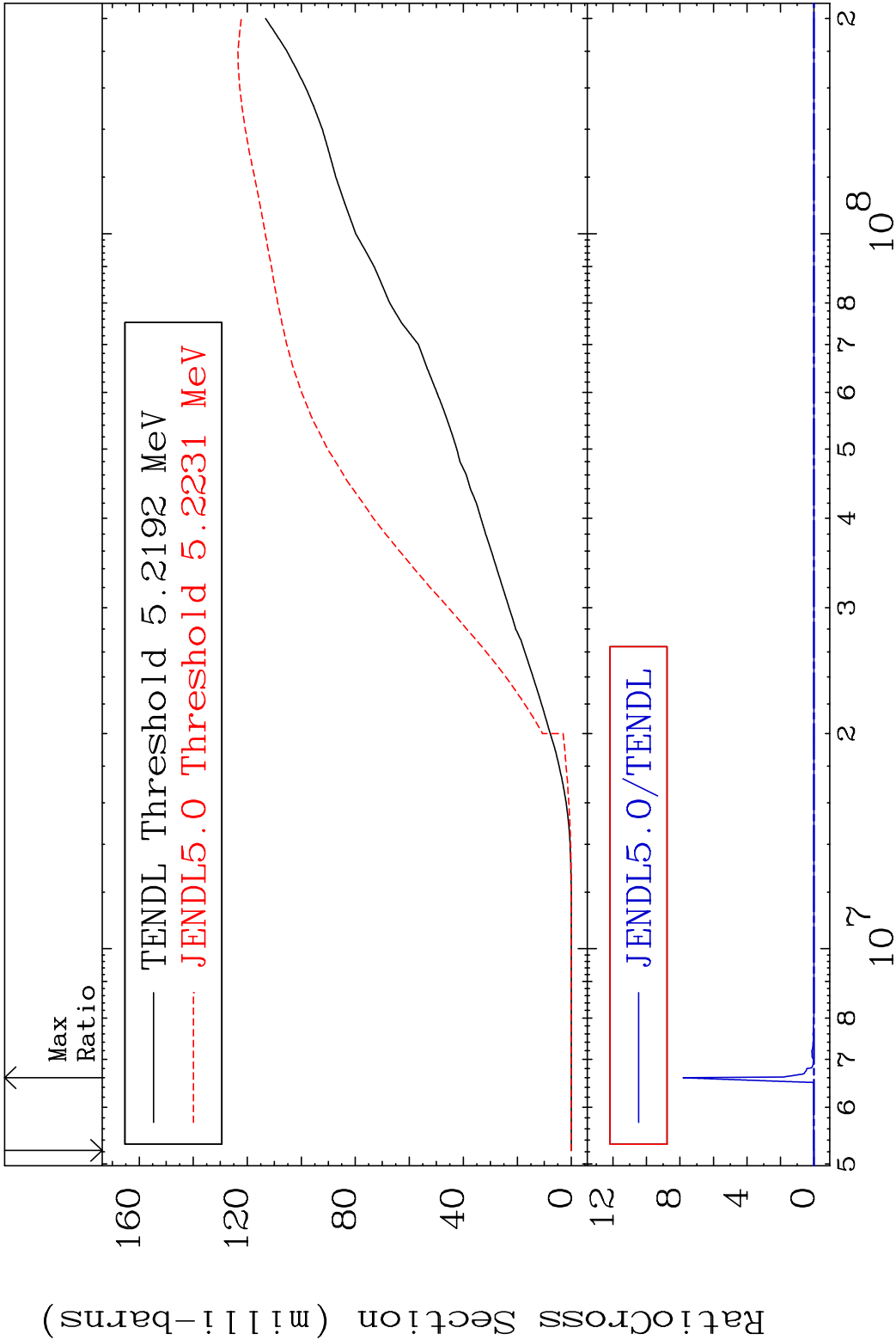




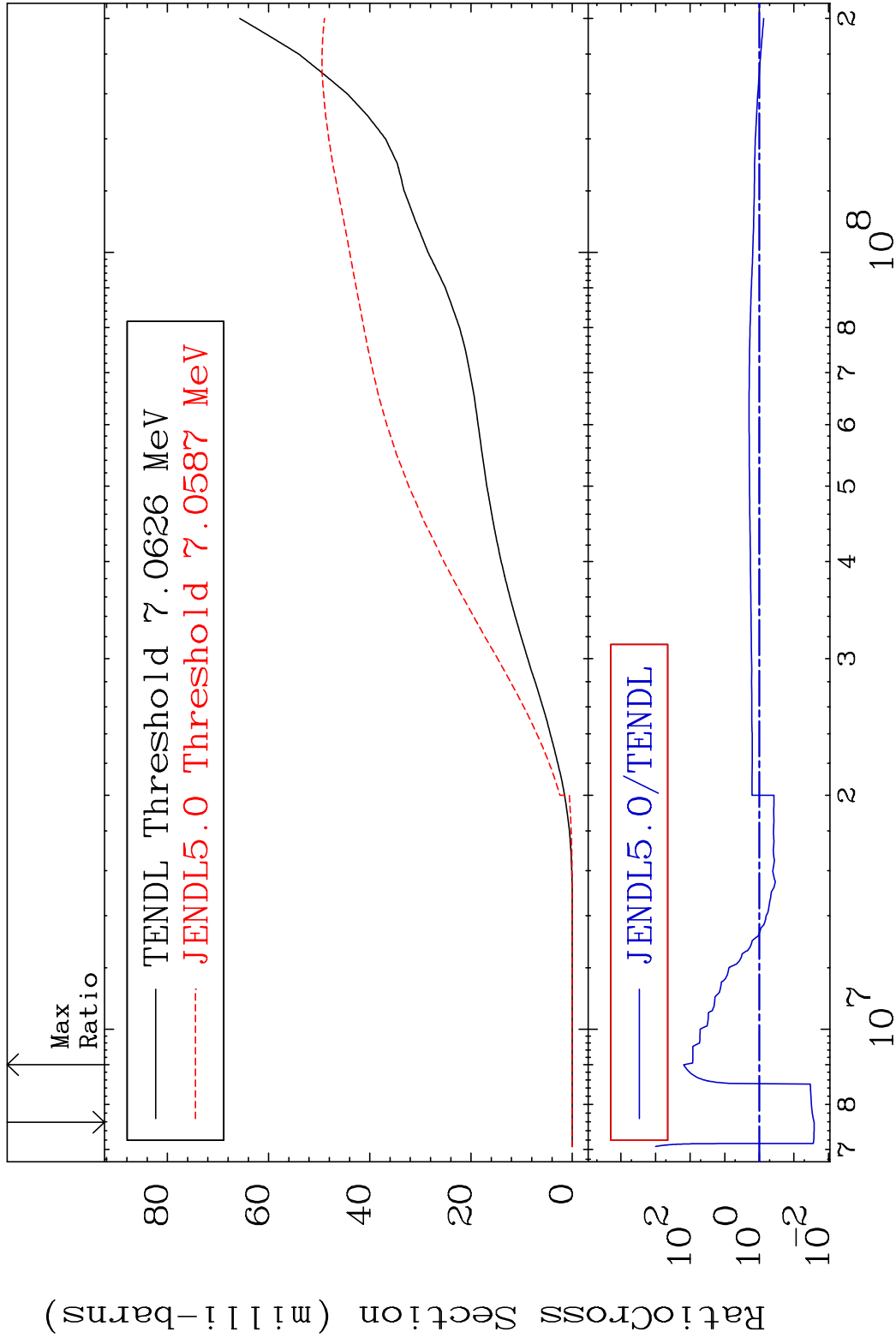




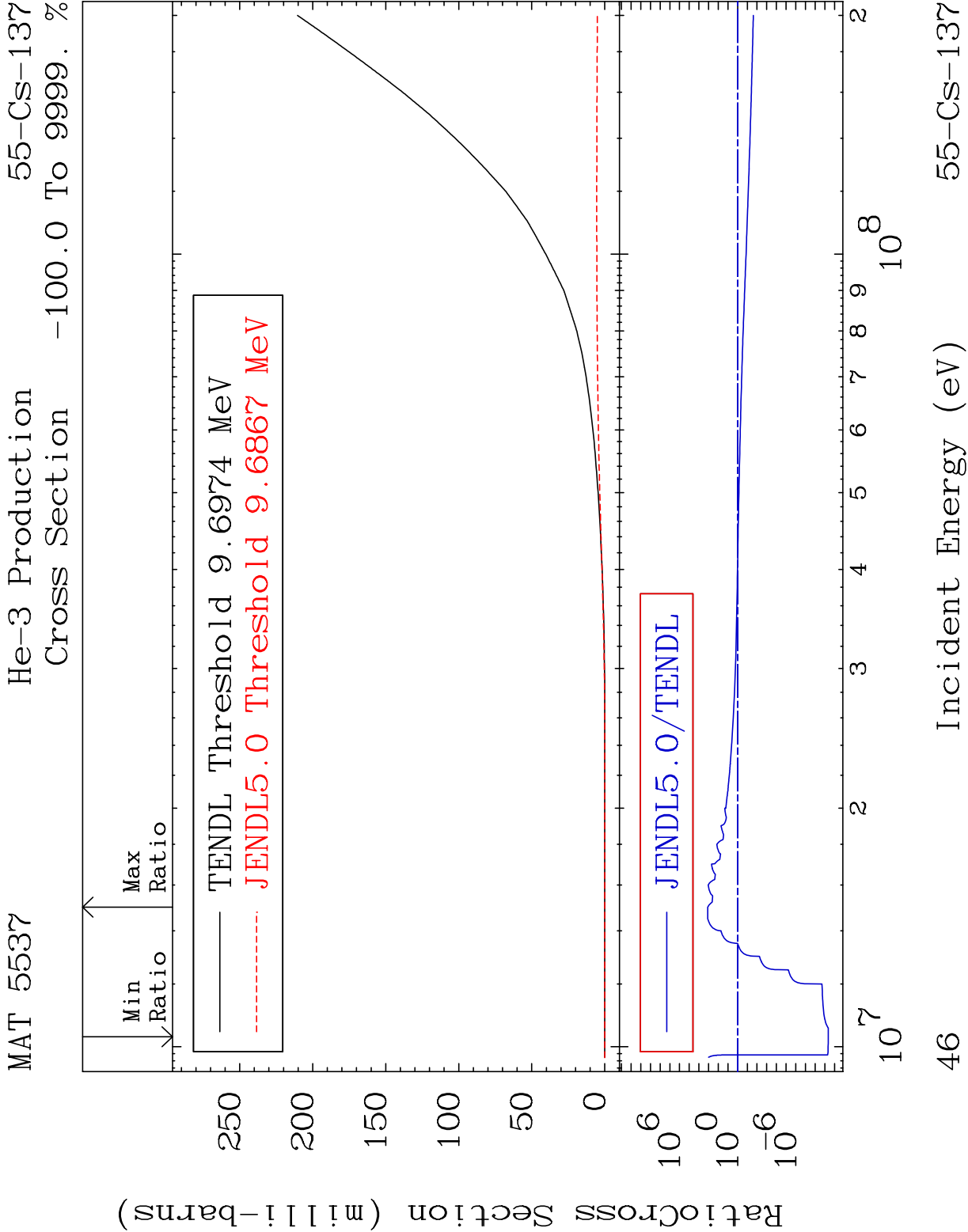




MAT 5537 Tritium Production 55-Cs-137
Cross Section -97.40 To 9999. %



45 Incident Energy (eV) 55-Cs-137



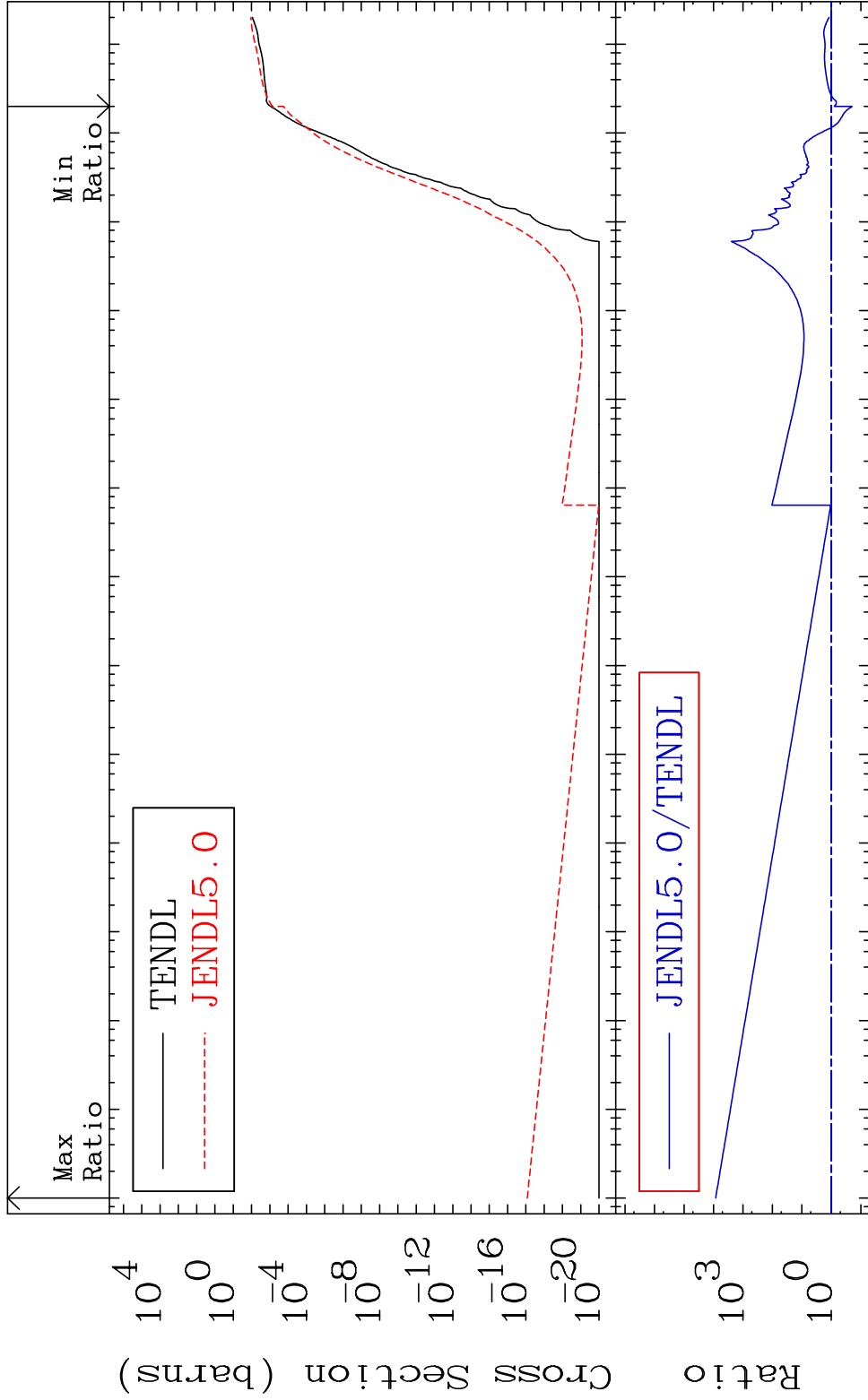
MAT 5537

He-4 Production

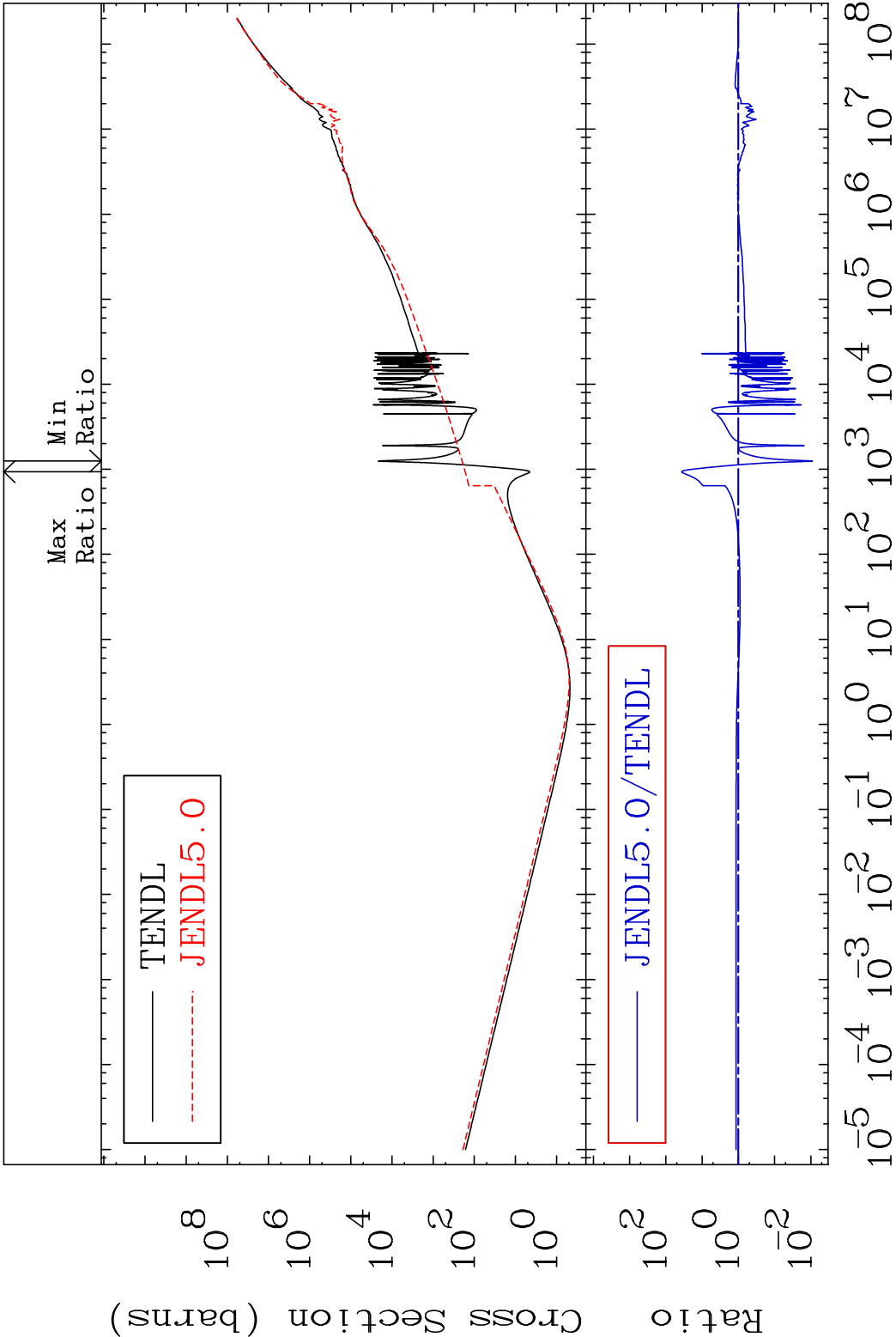
55-Cs-137

Cross Section

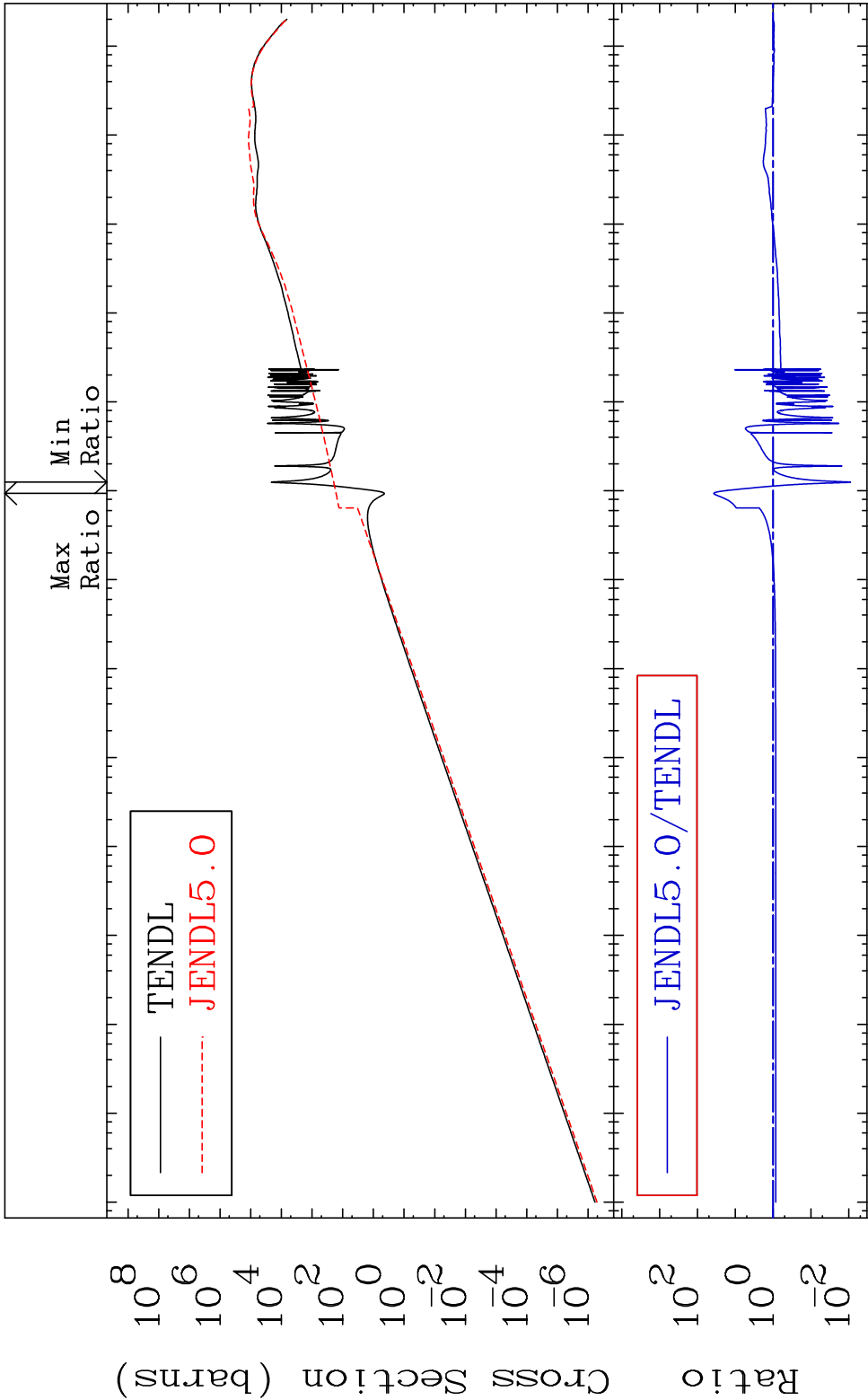
-80.43 To 9999. %



MAT 5537 Kerma total (eV-barns) 55-Cs-137
Cross Section -99.08 To 3599. %

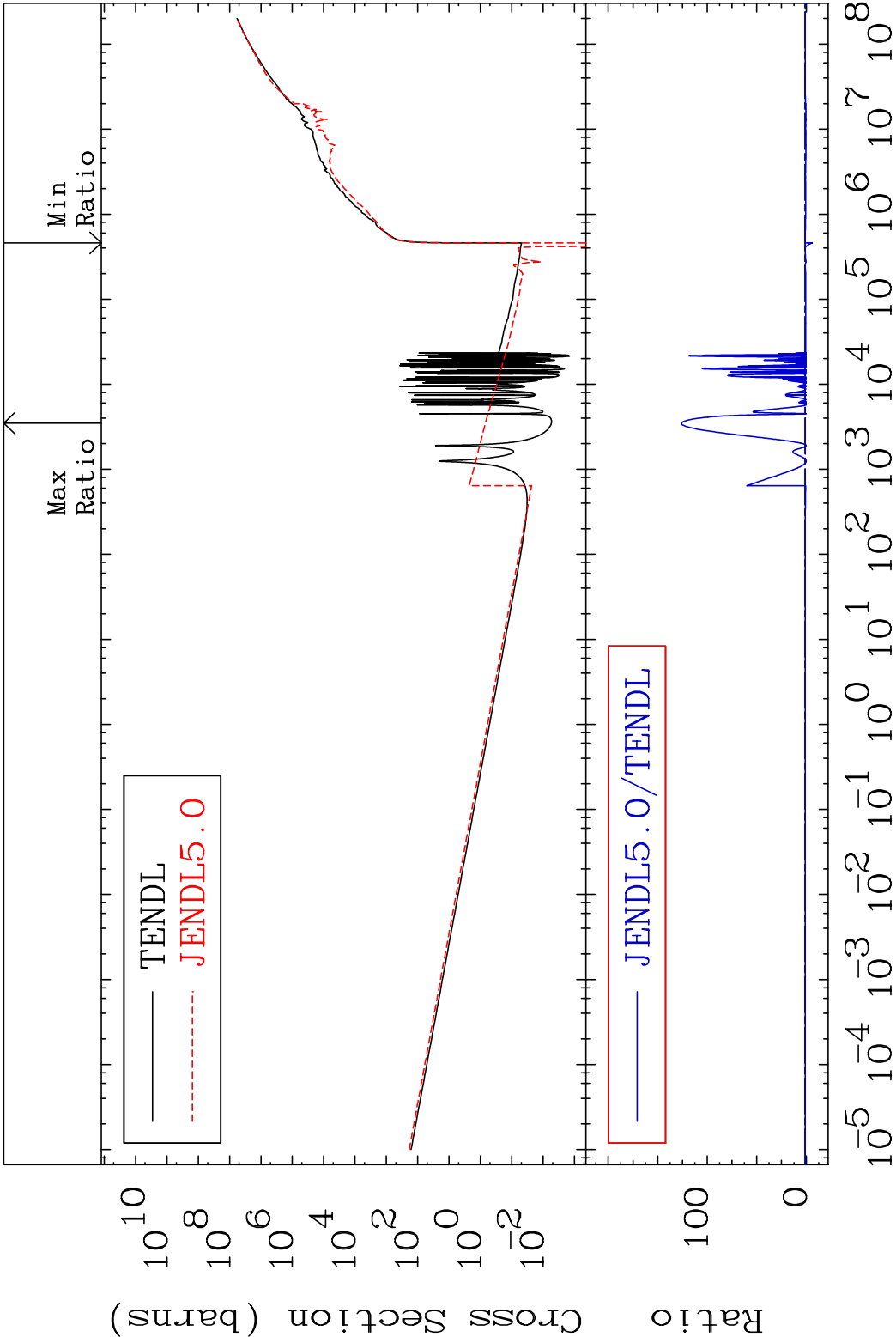


MAT 5537 Kerma elastic 55-Cs-137
Cross Section -99.09 To 3637. %



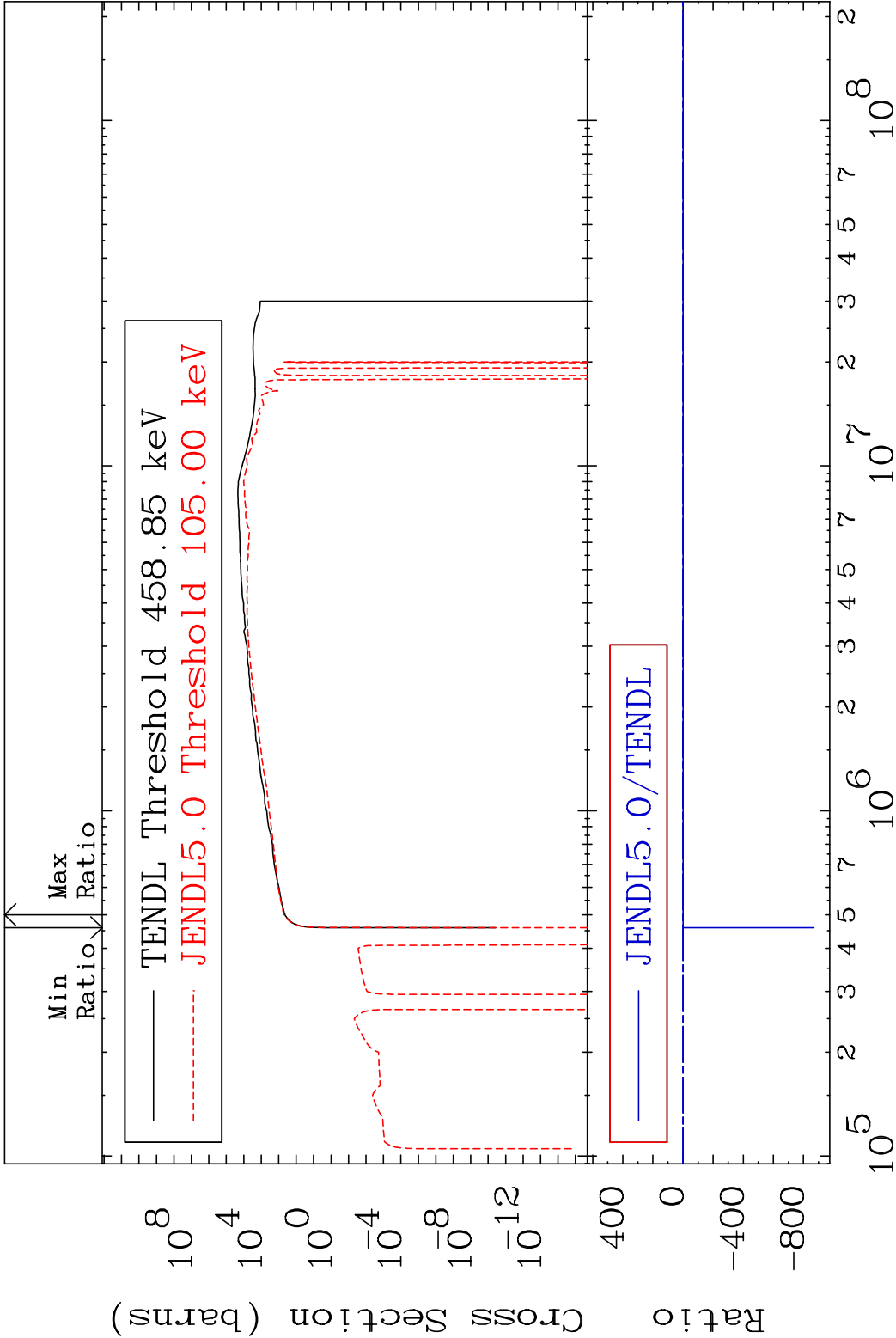
49 Incident Energy (eV) 55-Cs-137

MAT 5537 Kerma non-elastic (all but mt2) 55-Cs-137
Cross Section -704.1 To 9999. %



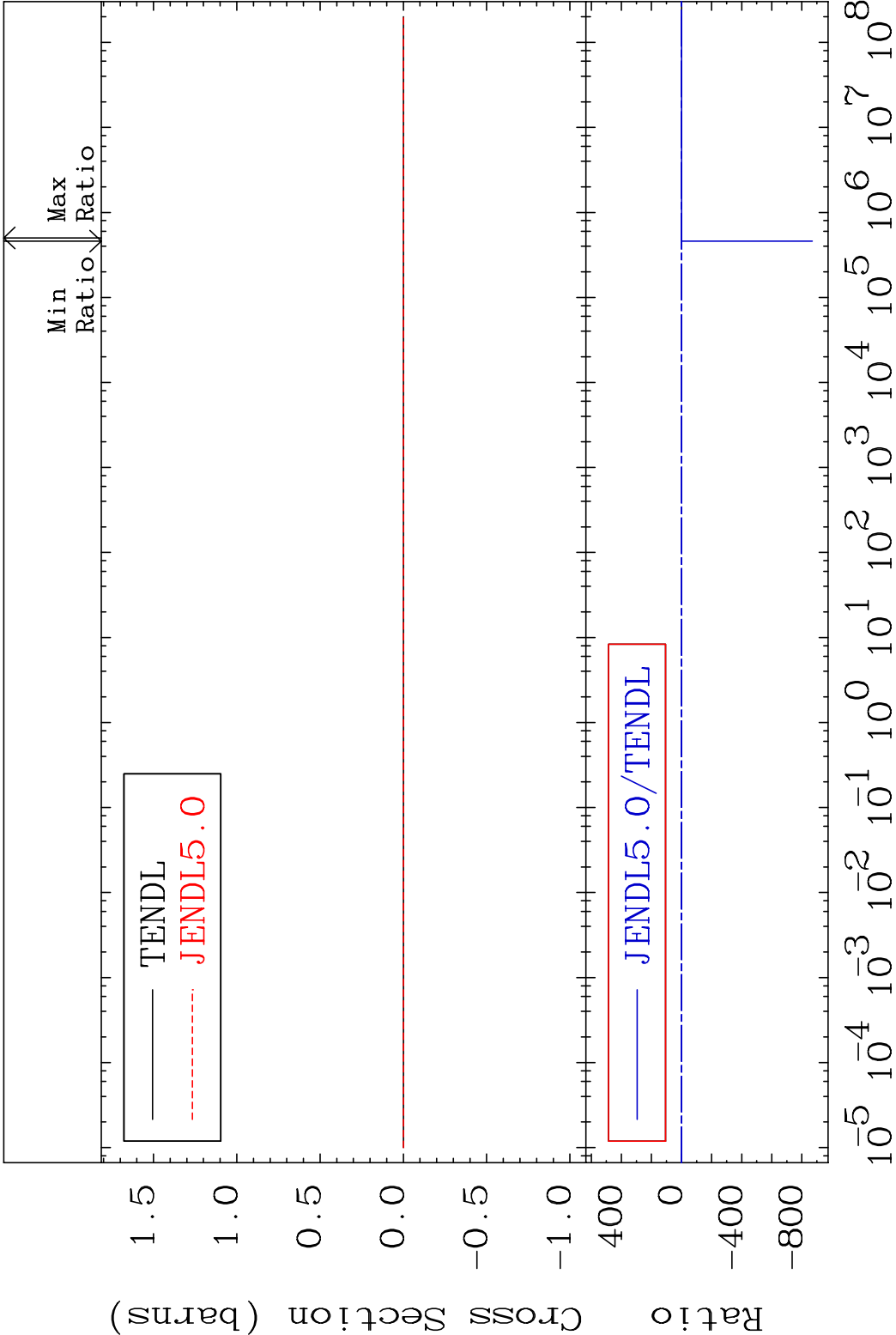
50 Incident Energy (eV) 55-Cs-137

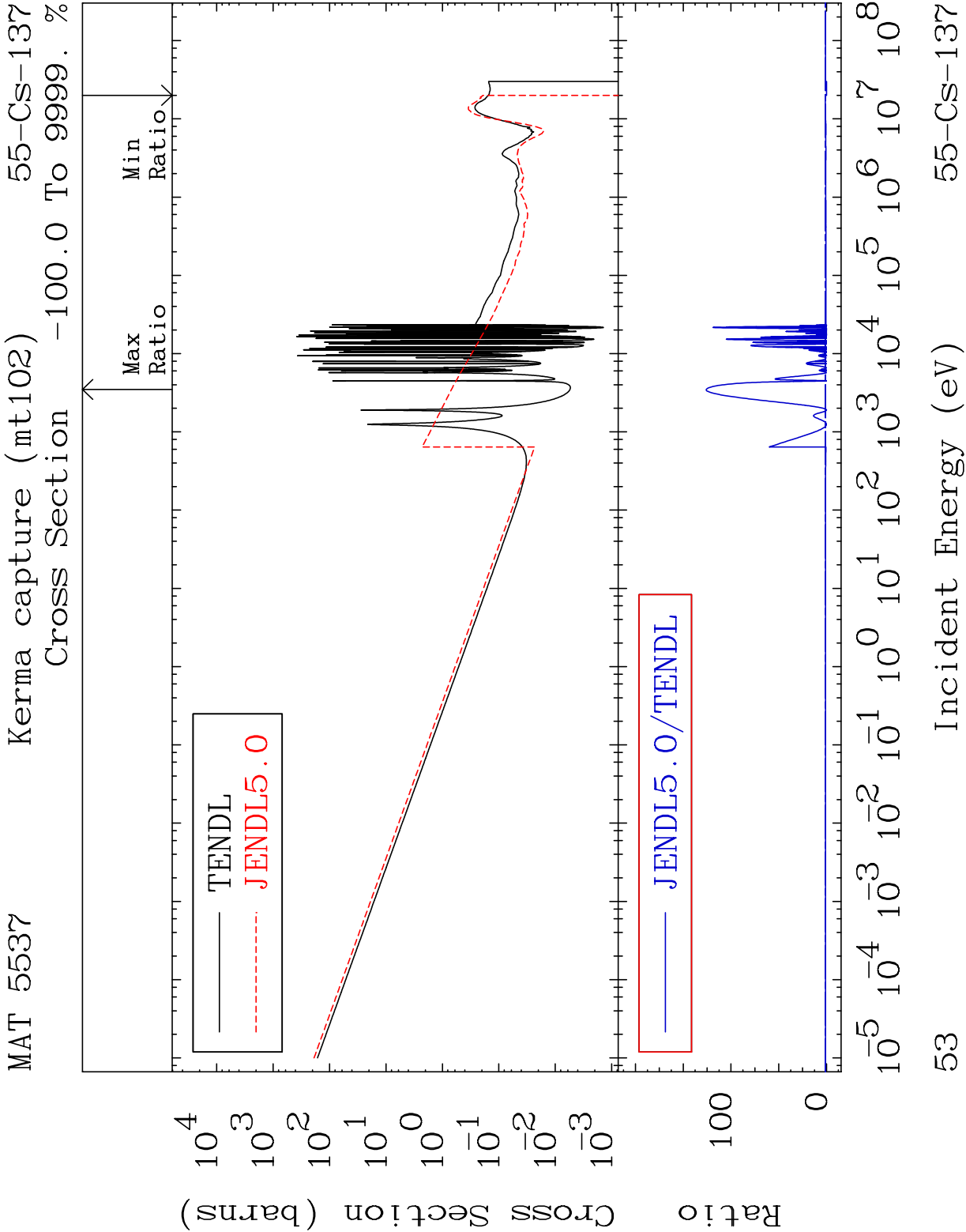
MAT 5537 Kerma inelastic (mt51-91) 55-Cs-137
Cross Section -9999. To 12.08 %



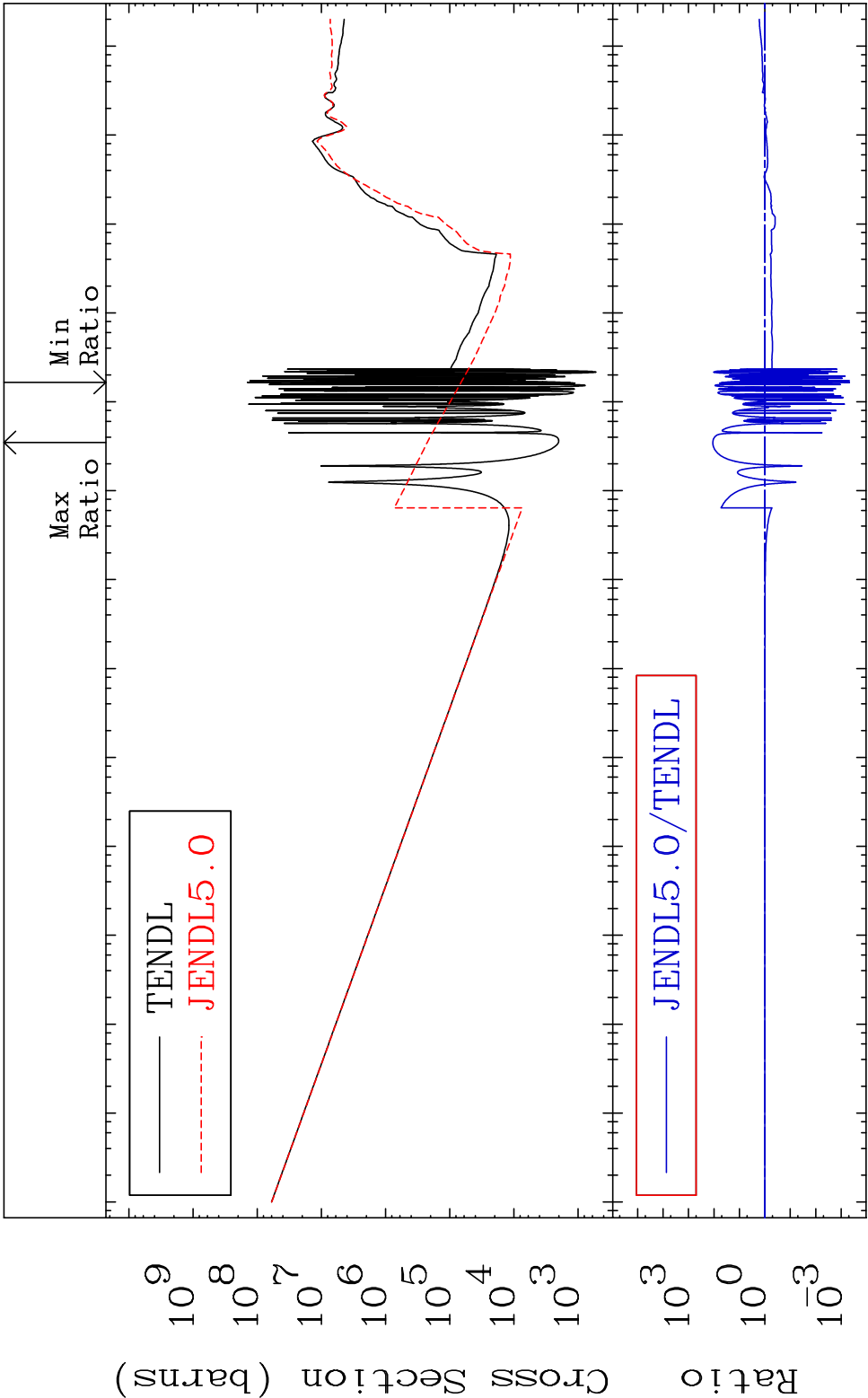
51 Incident Energy (eV) 55-Cs-137

MAT 5537 Kerma fission (mt18 or mt19-20-21-38)55-Cs-137
Cross Section -9999. To 12.08 %

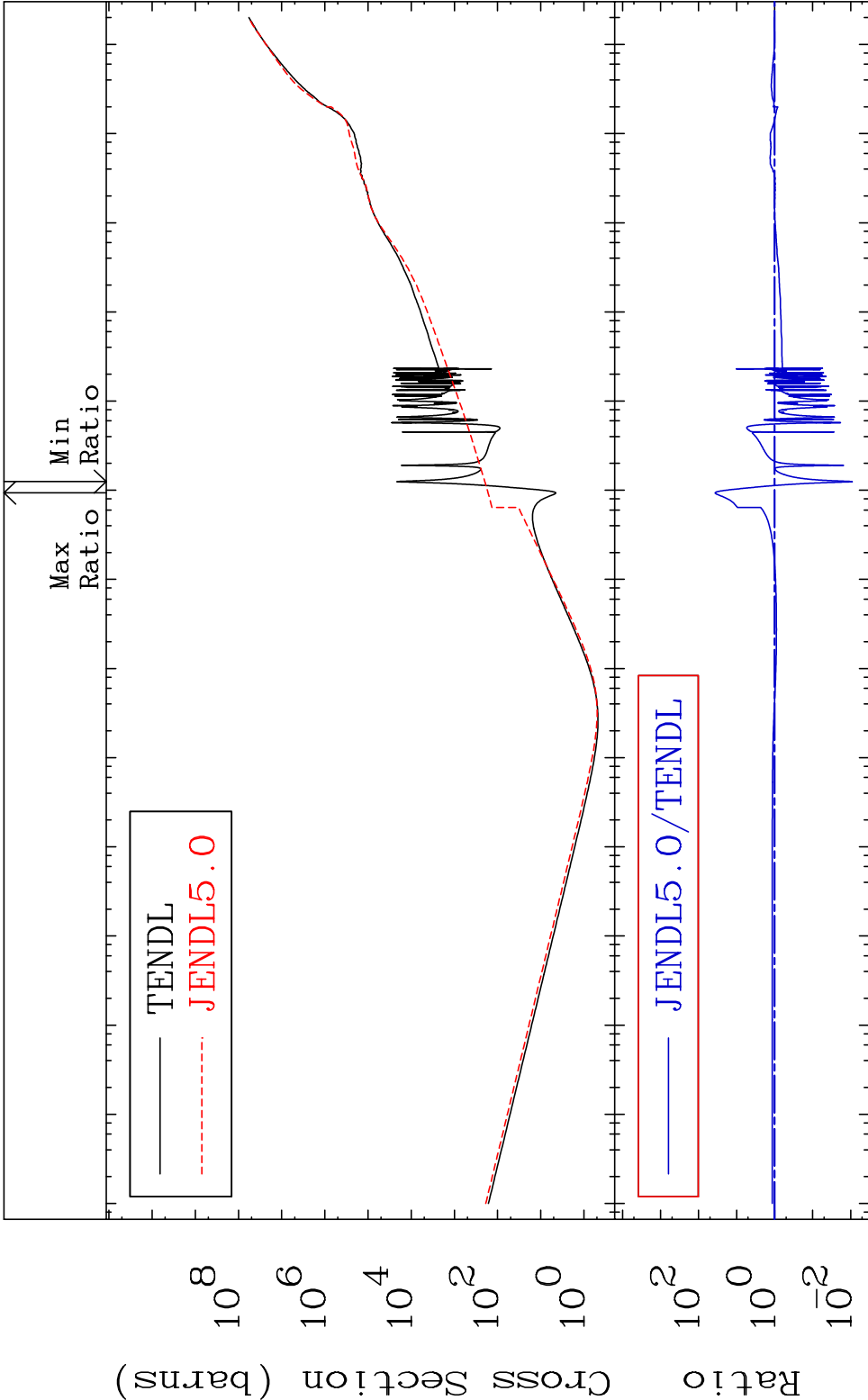




MAT 5537 Total photon (eV-barns) 55-Cs-137
Cross Section -99.95 To 9999. %

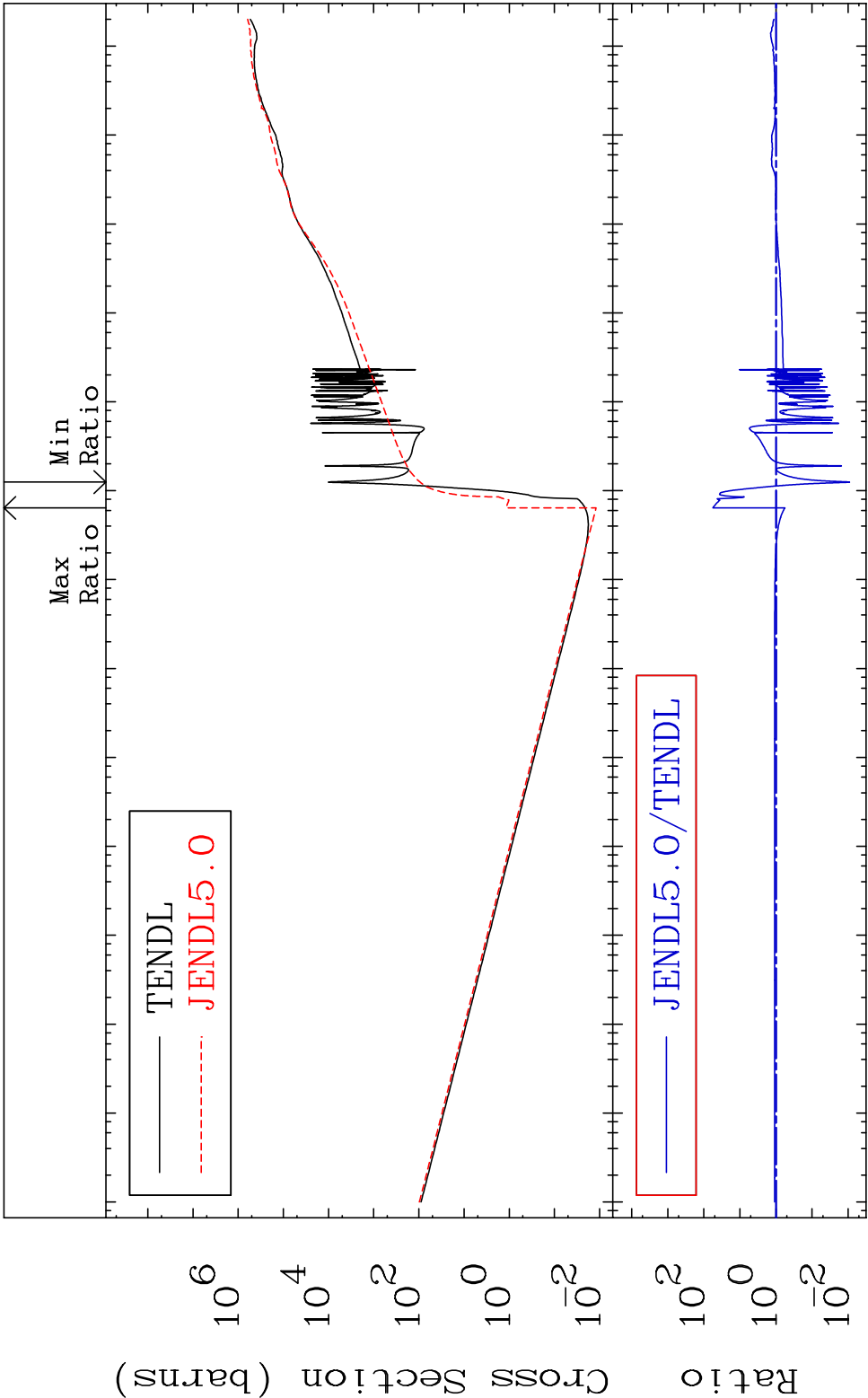


MAT 5537 Total kinematic kerma (high limit) 55-Cs-137
Cross Section -99.08 To 3599. %

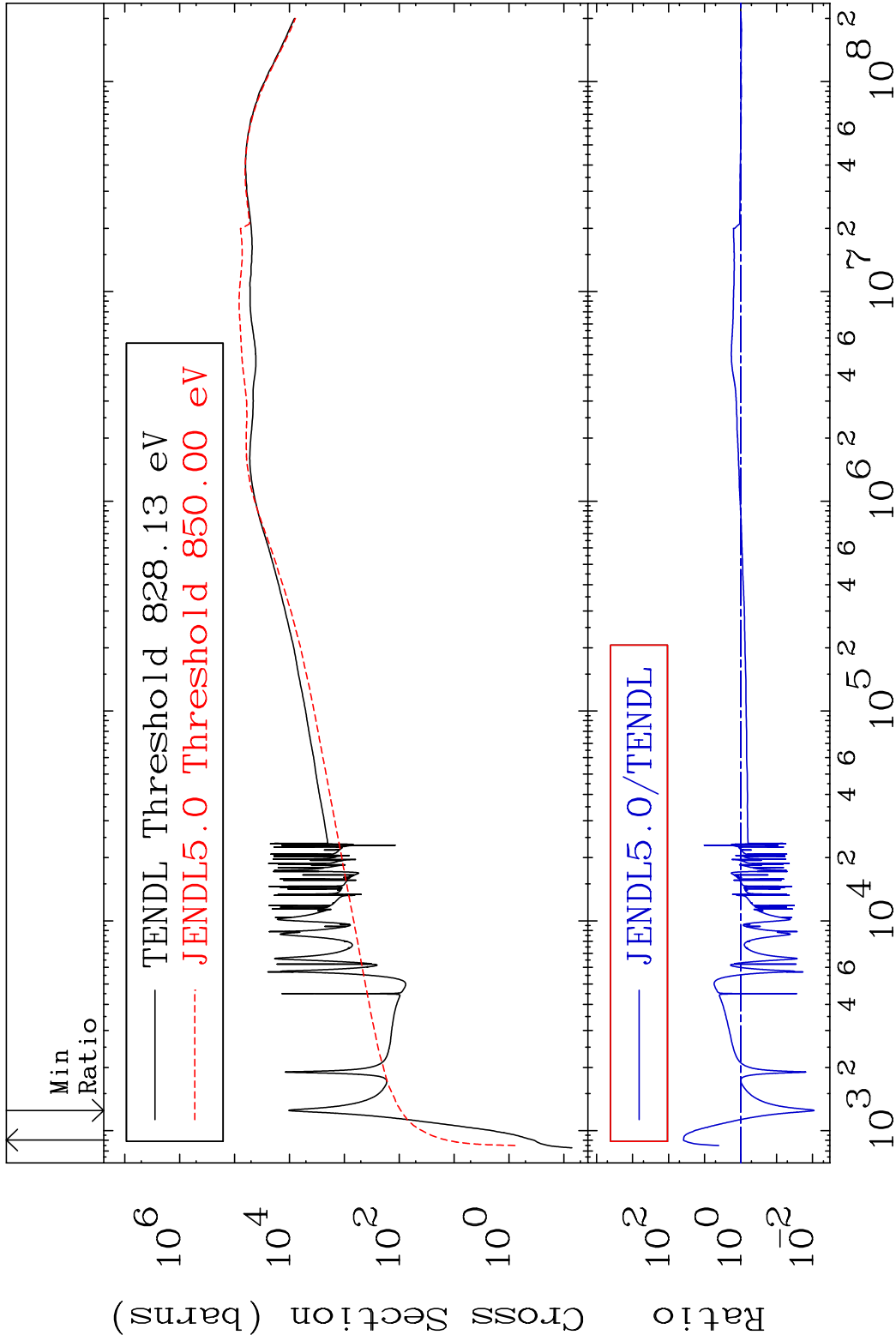


55 Incident Energy (eV) 55-Cs-137

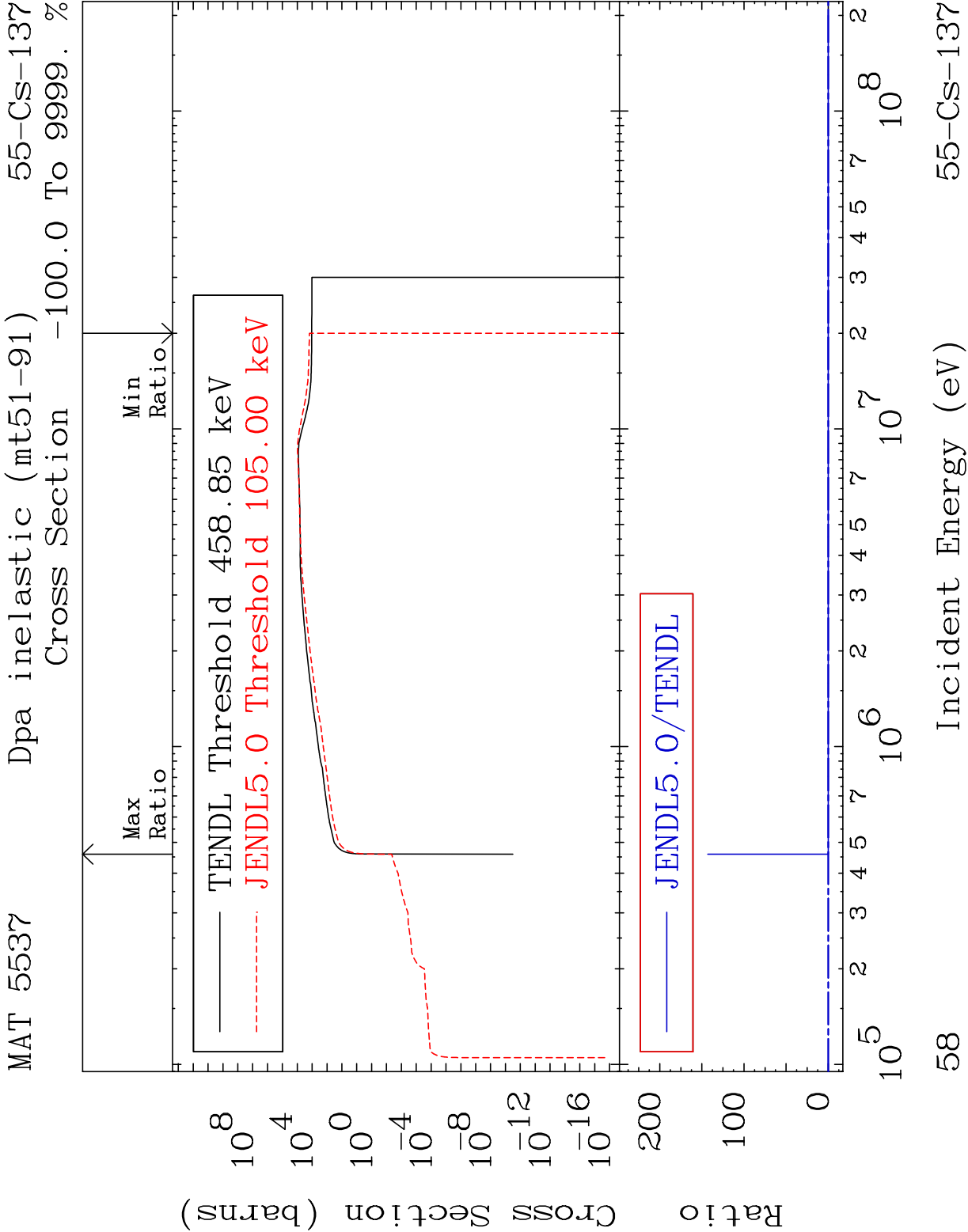
MAT 5537 Dpa total (eV-barns) 55-Cs-137
Cross Section -99.08 To 5527. %



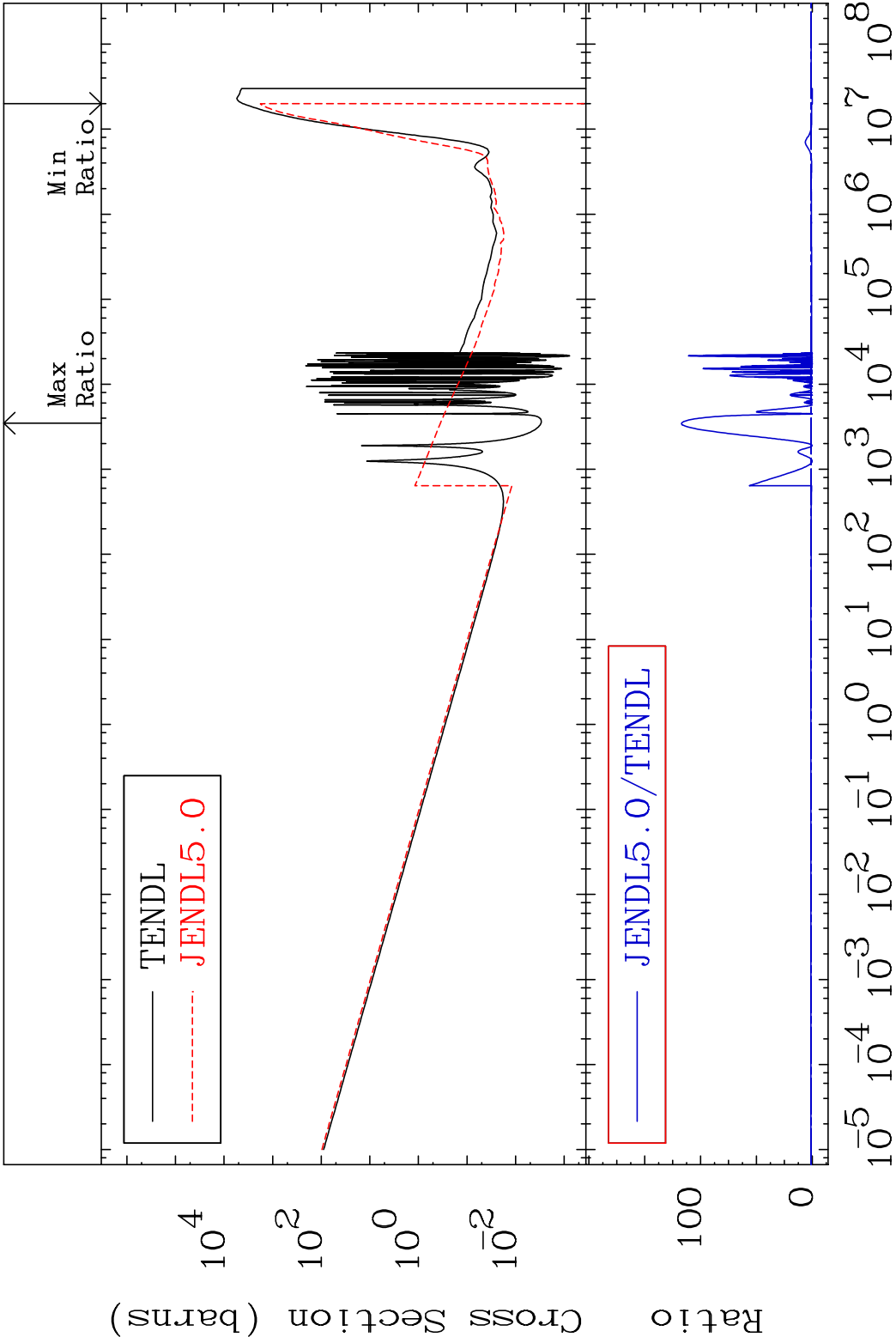
MAT 5537 Dpa elastic (mt2) 55-Cs-137
Cross Section -99.09 To 3758. %



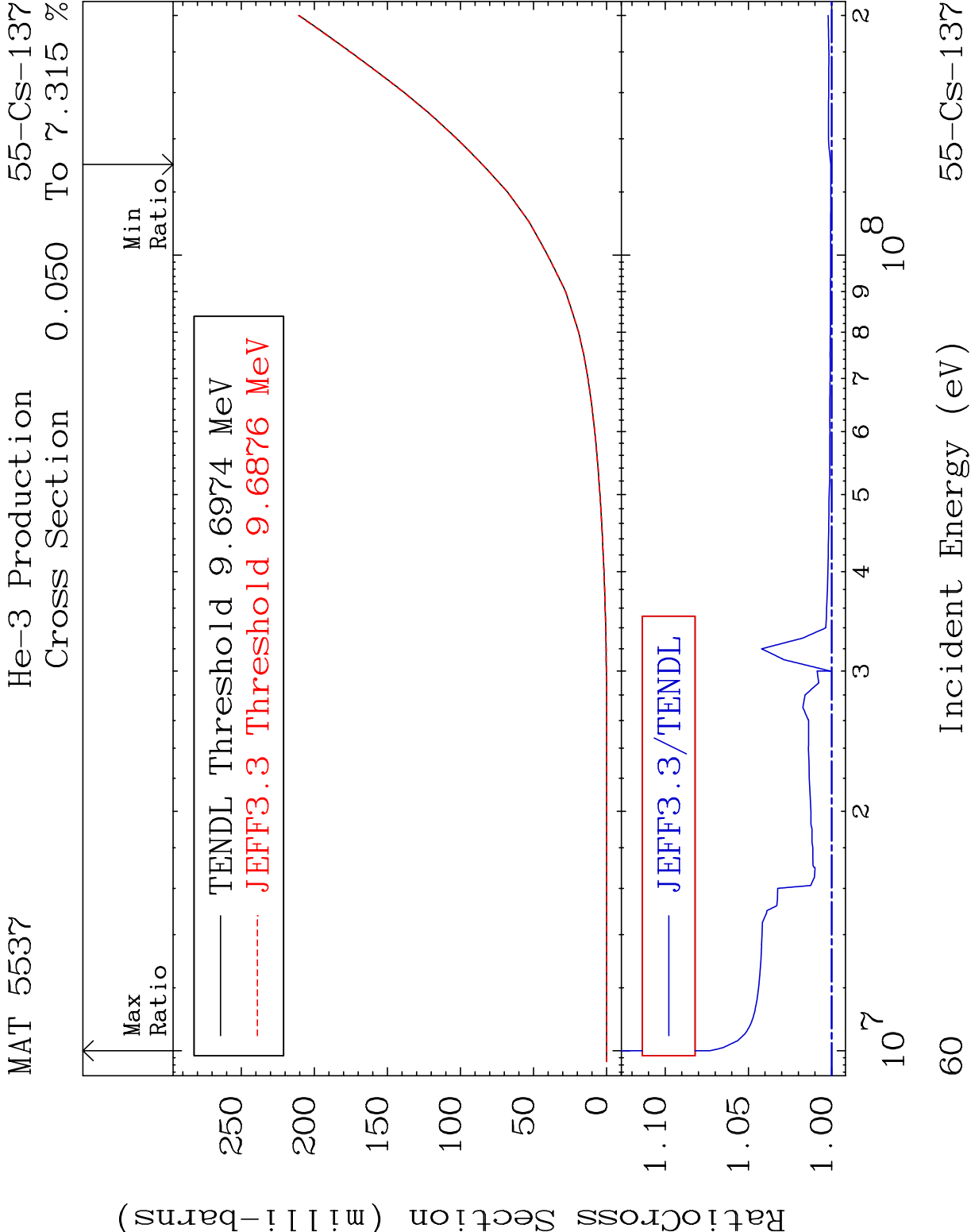
57 Incident Energy (eV) 55-Cs-137

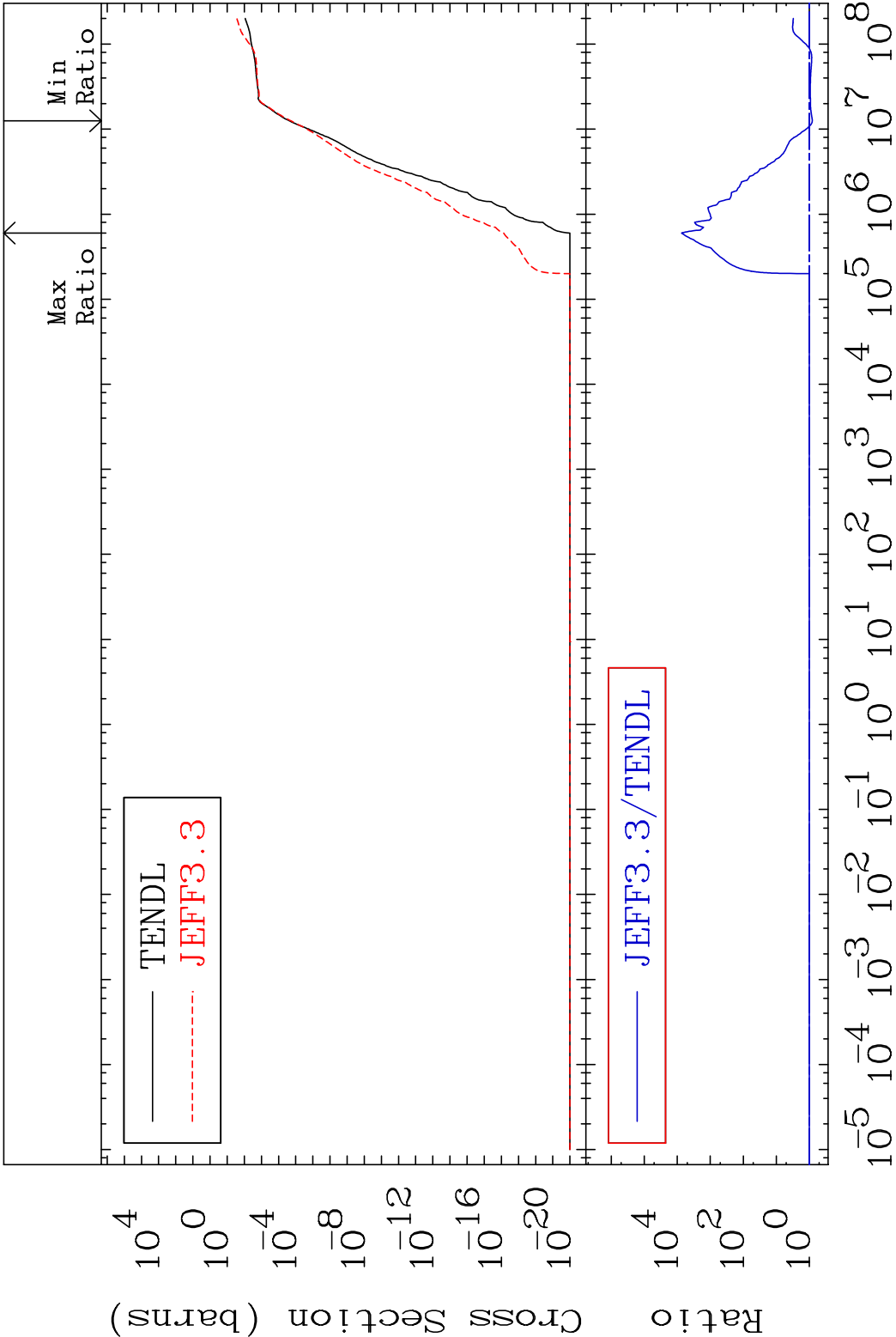


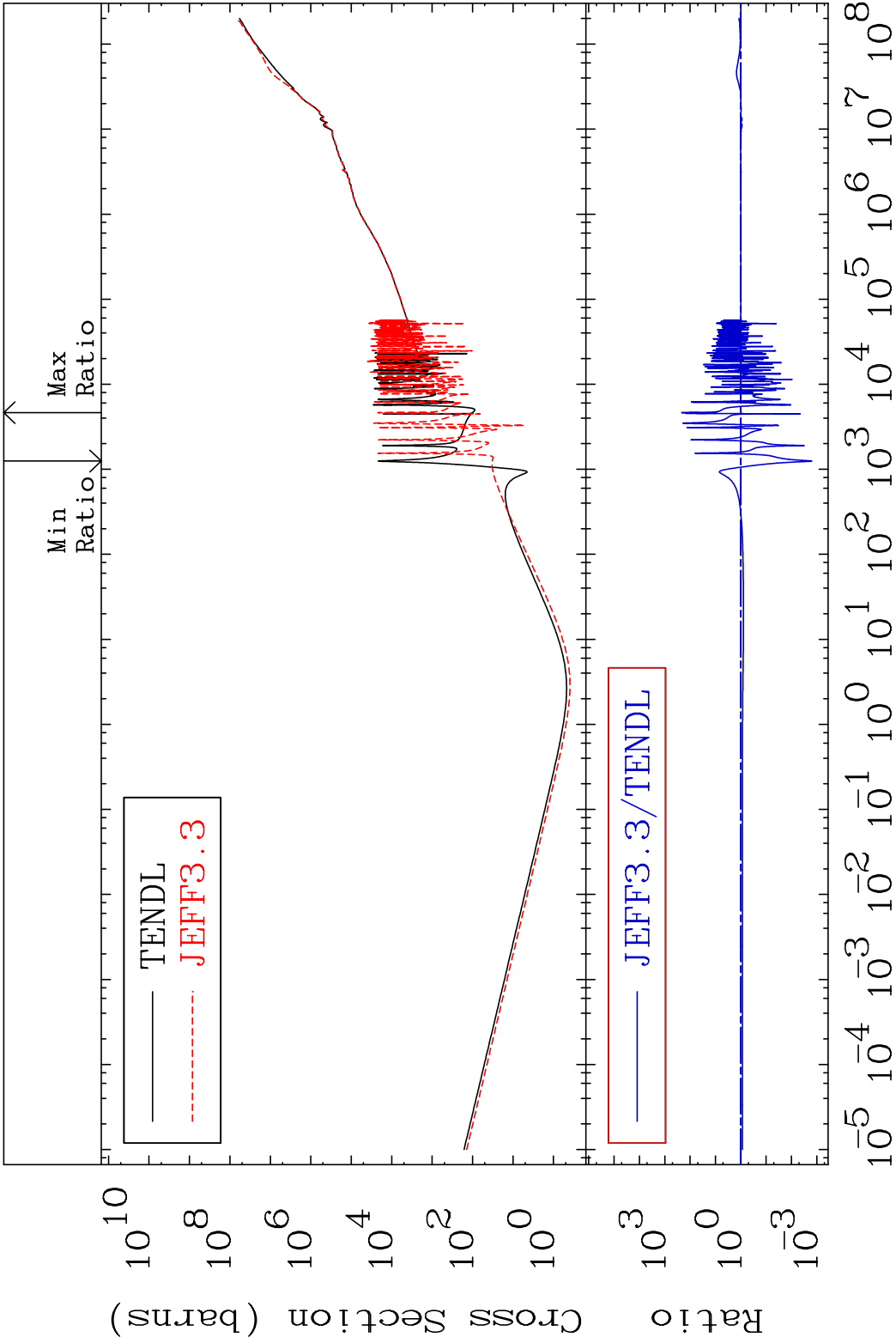
MAT 5537 Dpa disappearance (mt102 -120) 55-Cs-137
Cross Section -100.0 To 9999. %

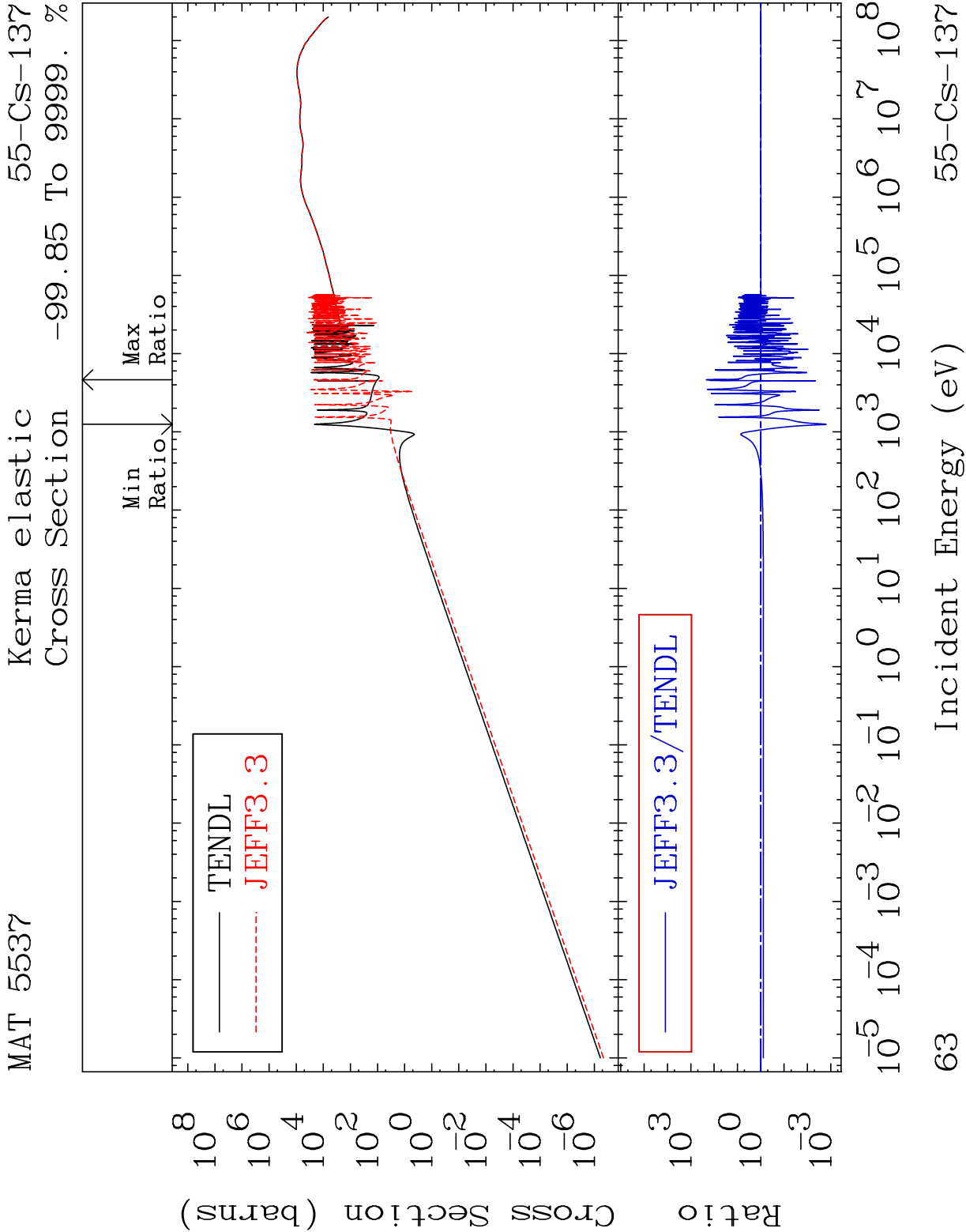


59 Incident Energy (eV) 55-Cs-137

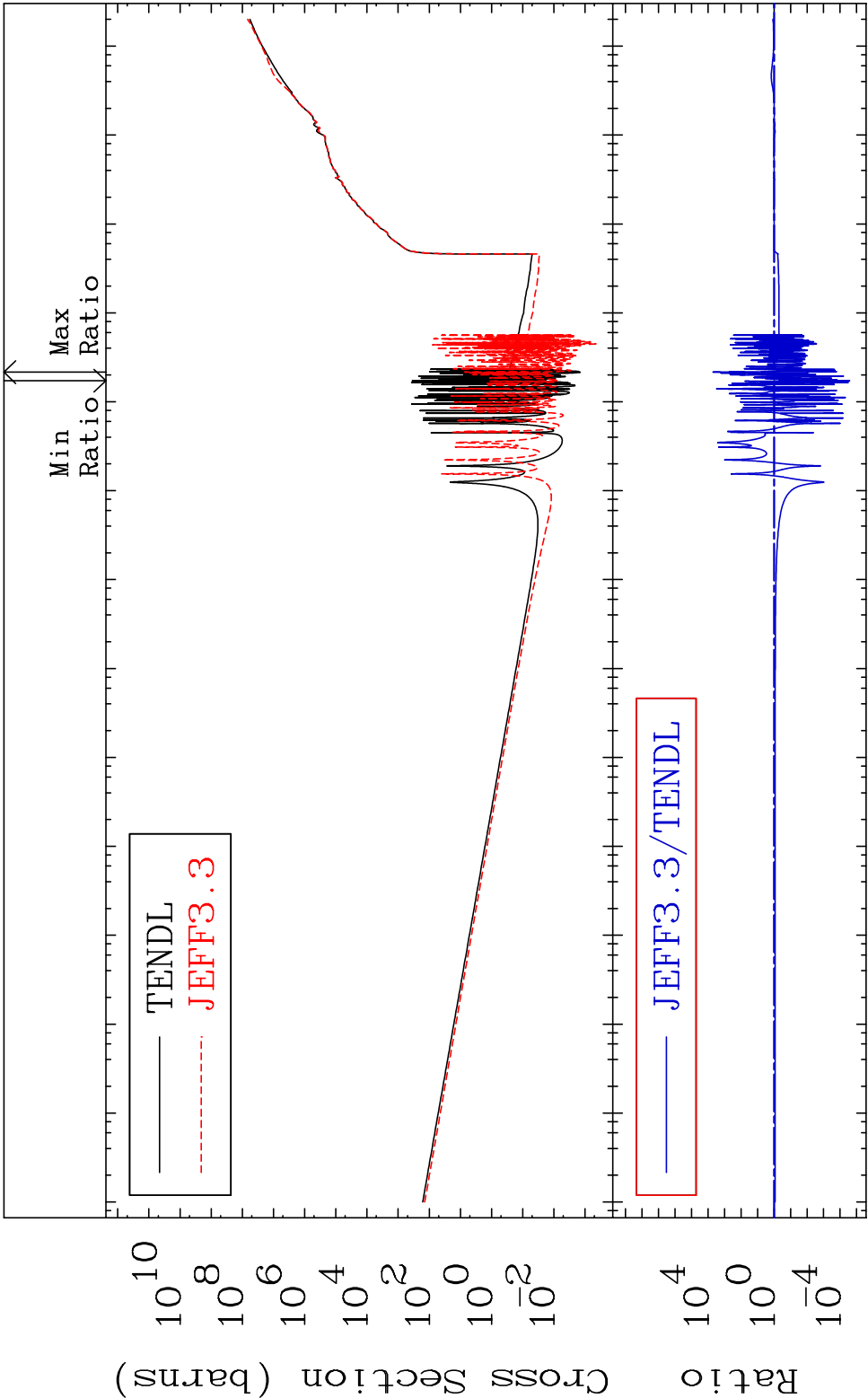


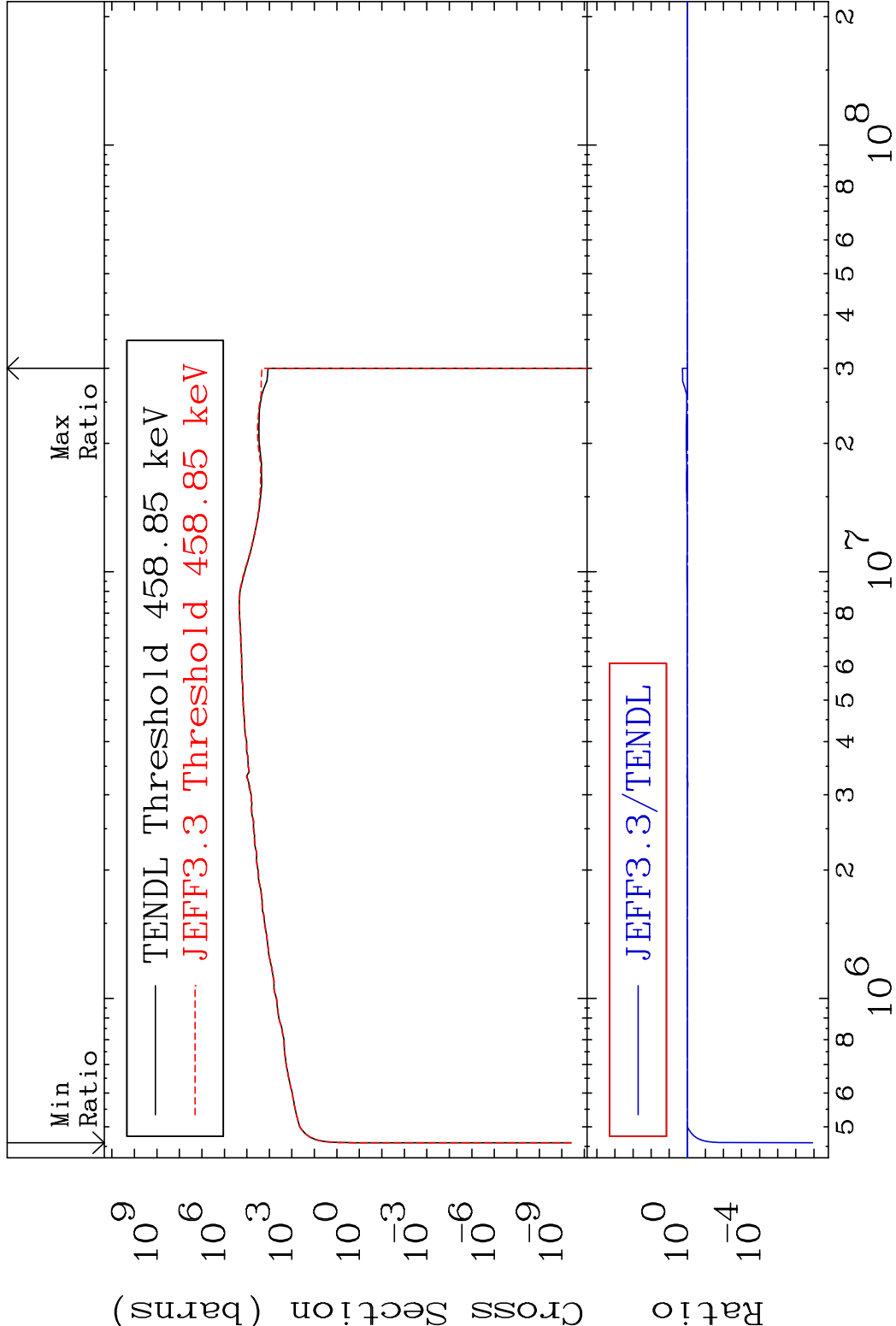




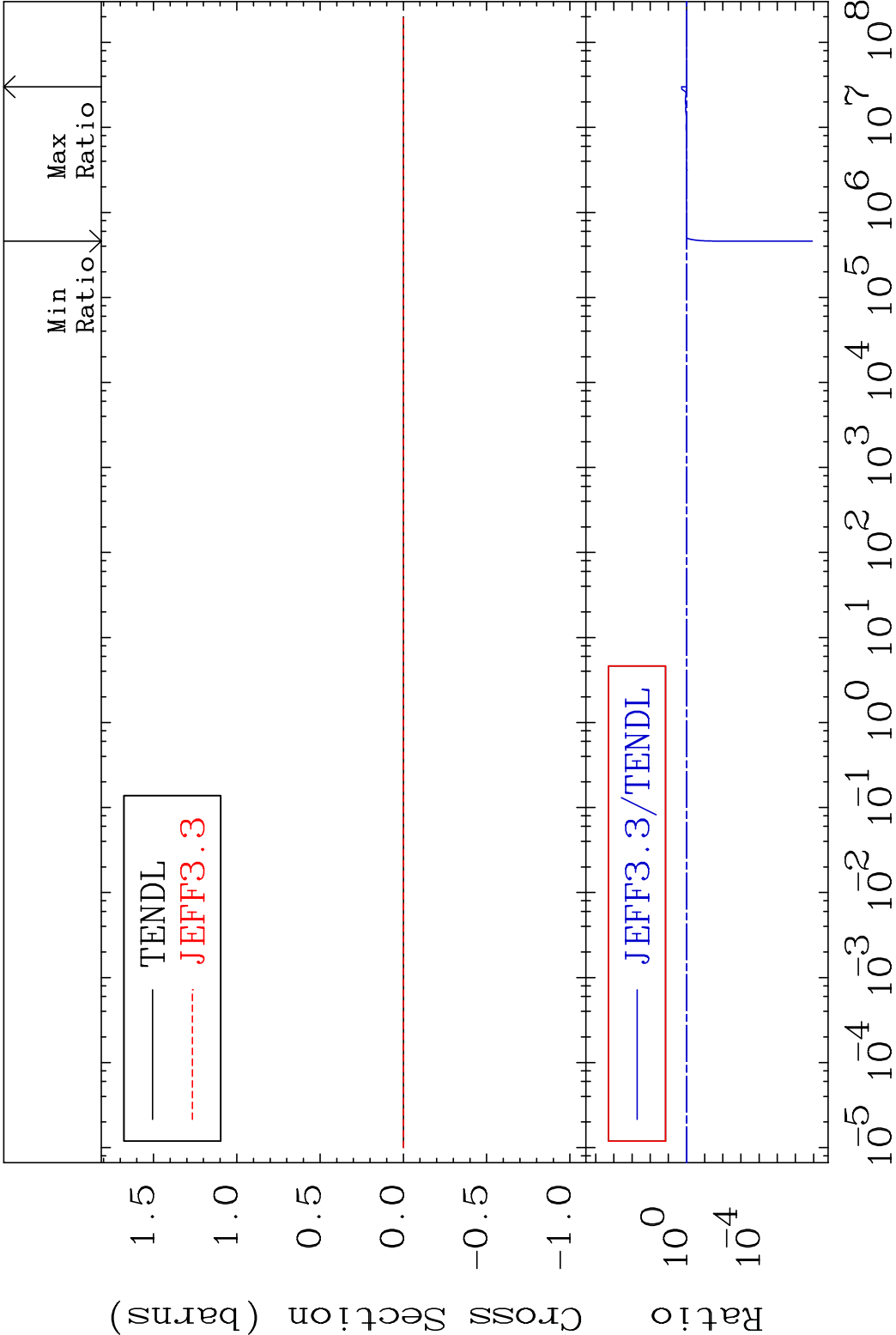


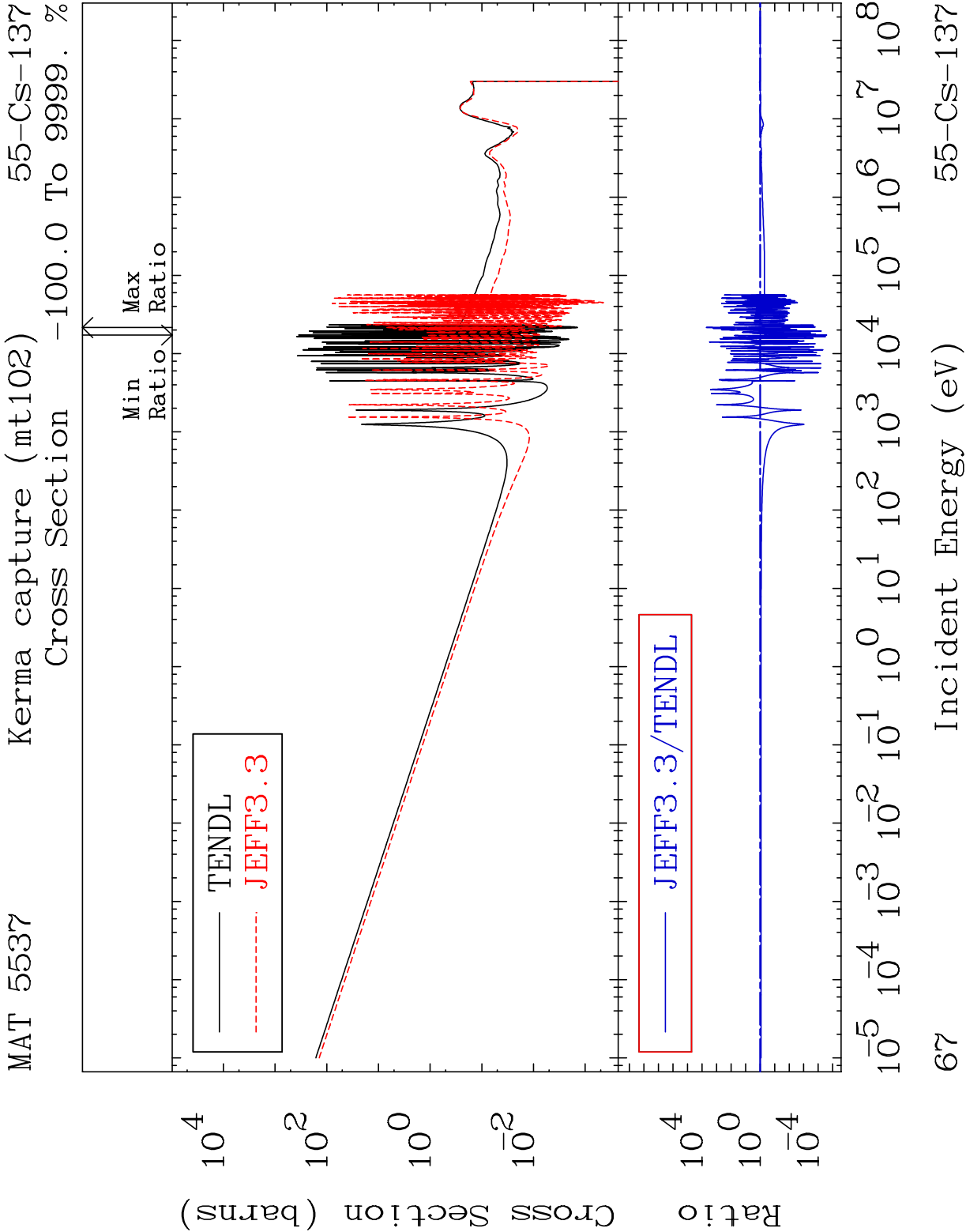
MAT 5537 Kerma non-elastic (all but mt2) 55-Cs-137
 Cross Section -100.0 To 9999. %





MAT 5537 Kerma fission (mt18 or mt19-20-21-38)55-Cs-137
Cross Section -100.0 To 88.12 %





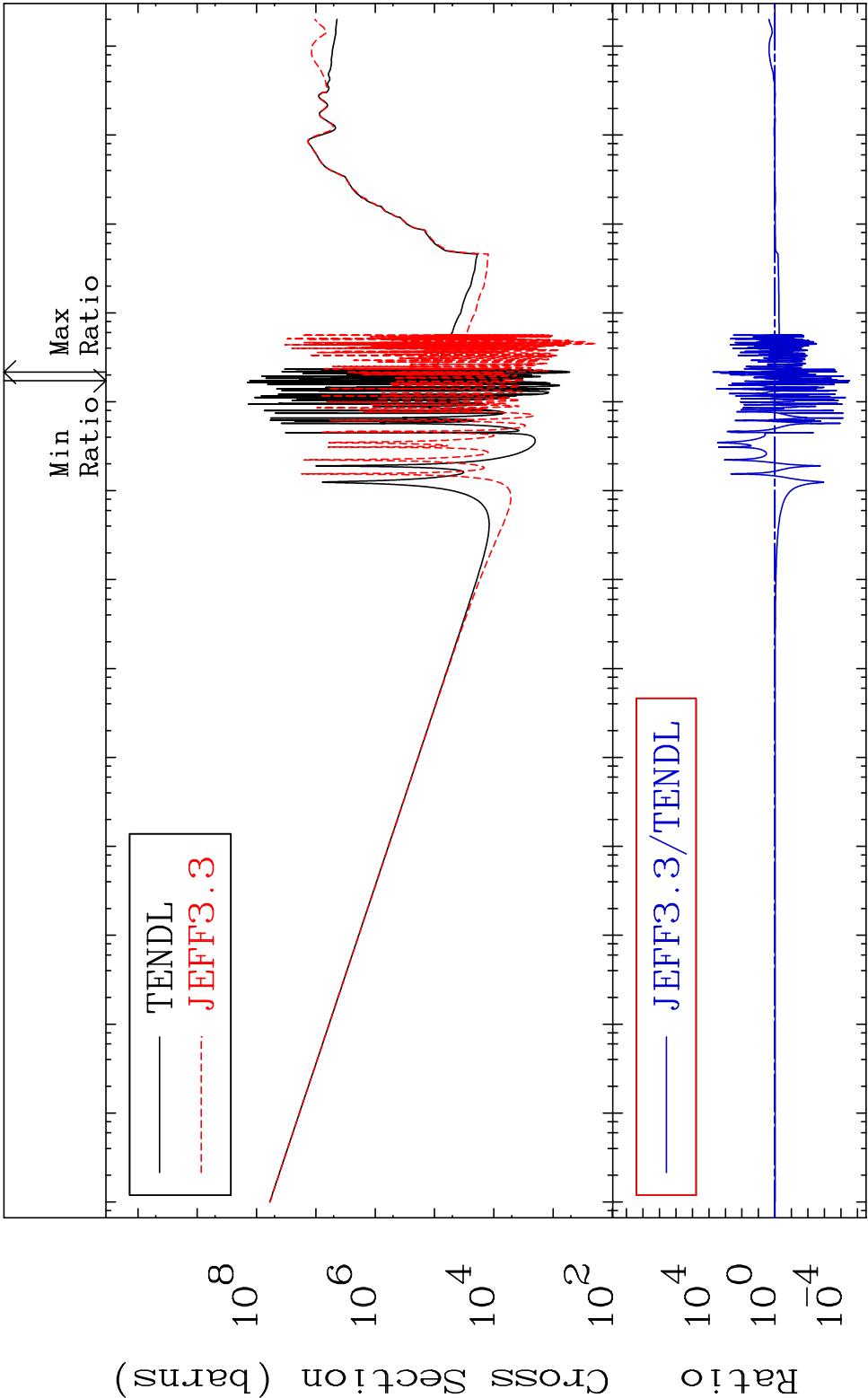
MAT 5537

Total photon (eV-barns)

55-Cs-137

Cross Section

-100.0 To 9999. %



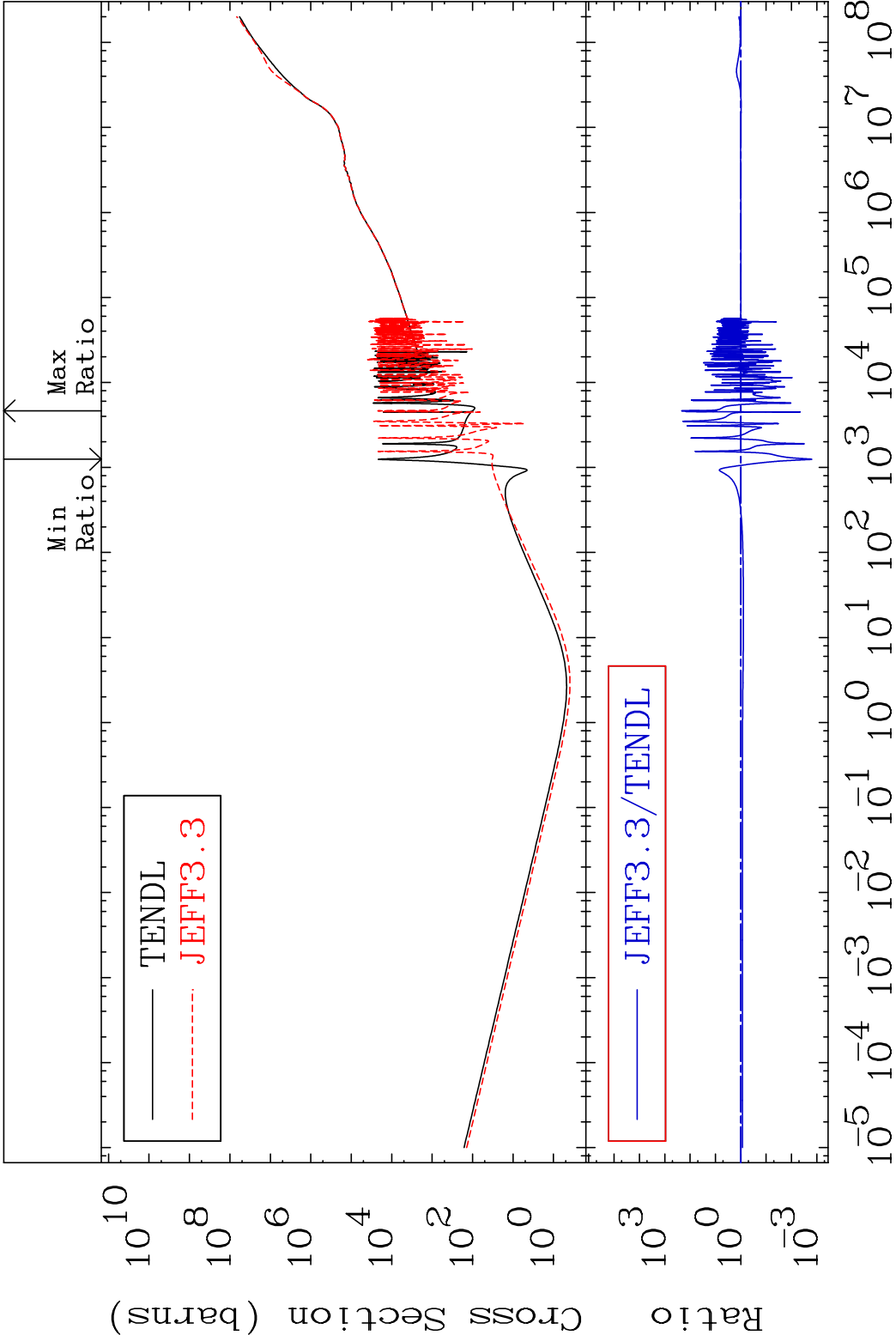
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

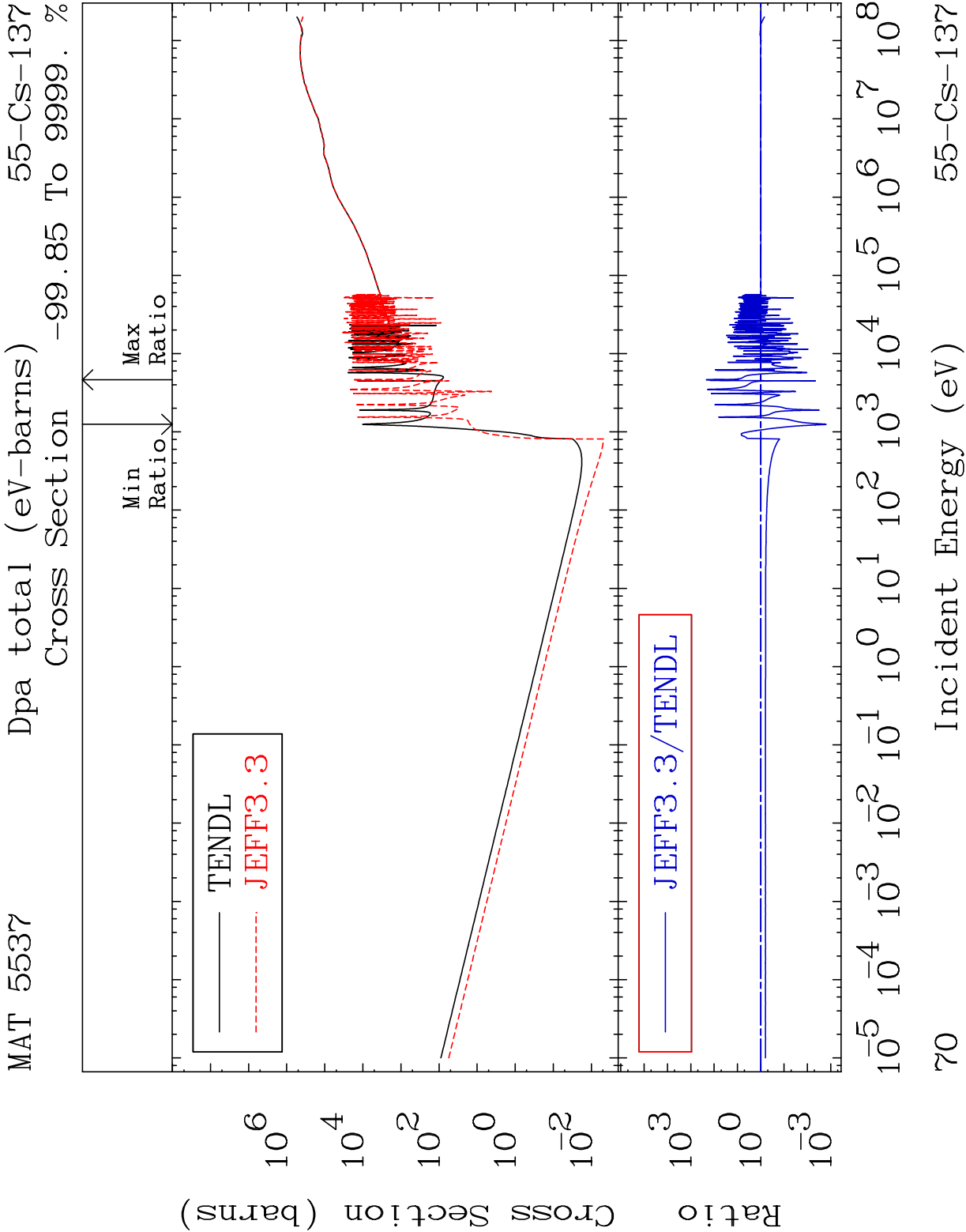
Incident Energy (eV)

55-Cs-137

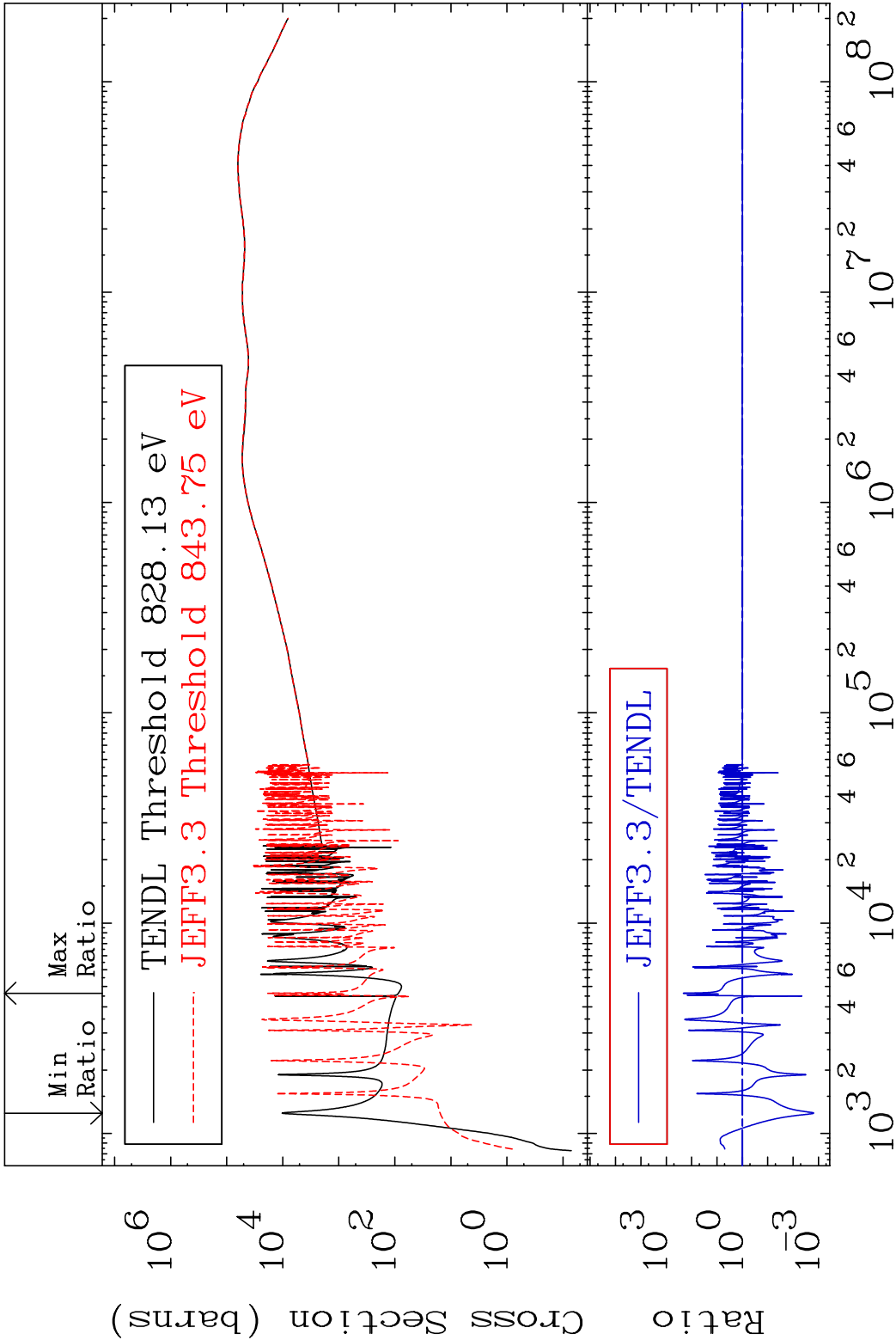
68

MAT 5537 Total kinematic kerma (high limit) 55-Cs-137
Cross Section -99.85 To 9999. %



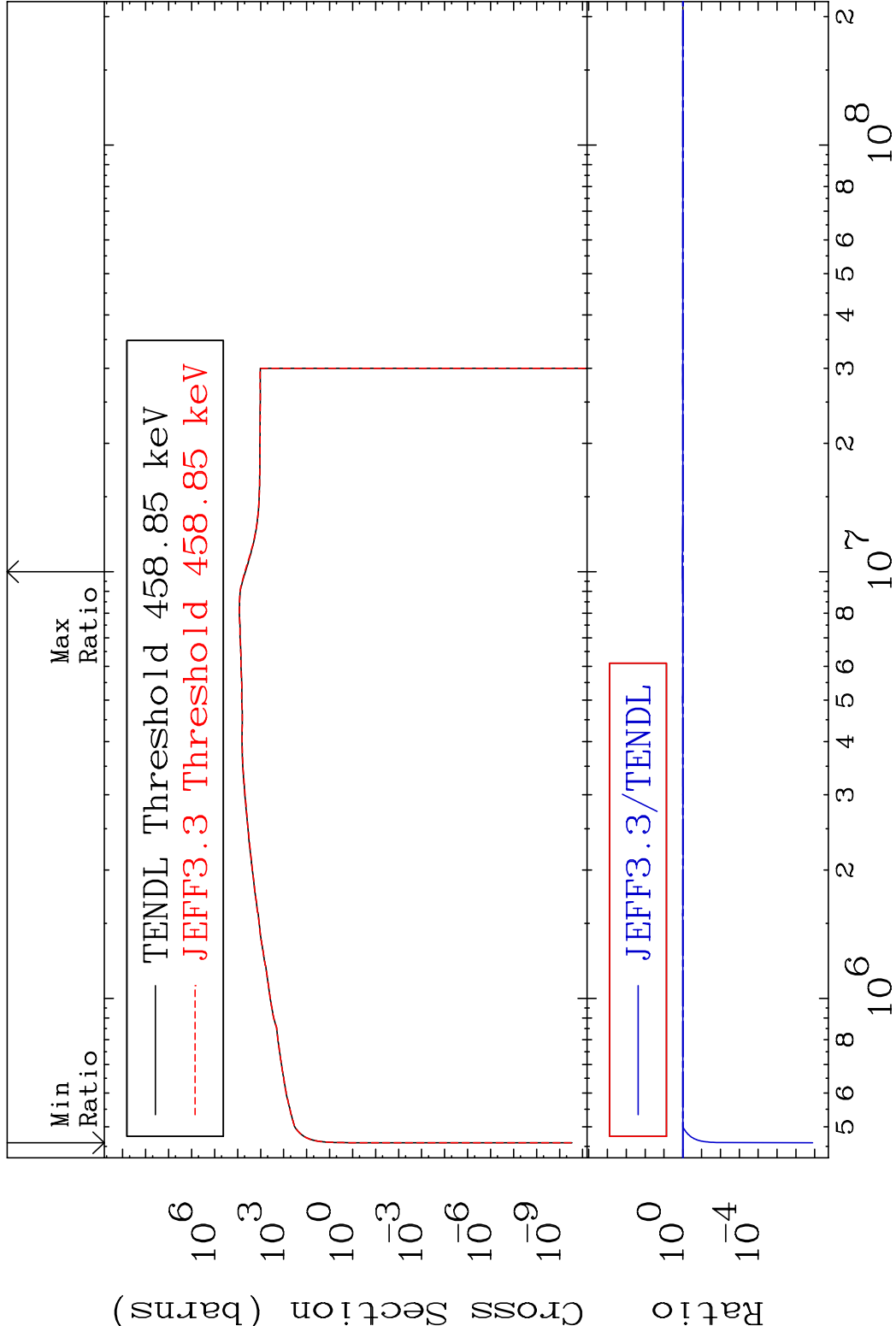


MAT 5537 Dpa elastic (mt2) 55-Cs-137
Cross Section -99.85 To 9999. %

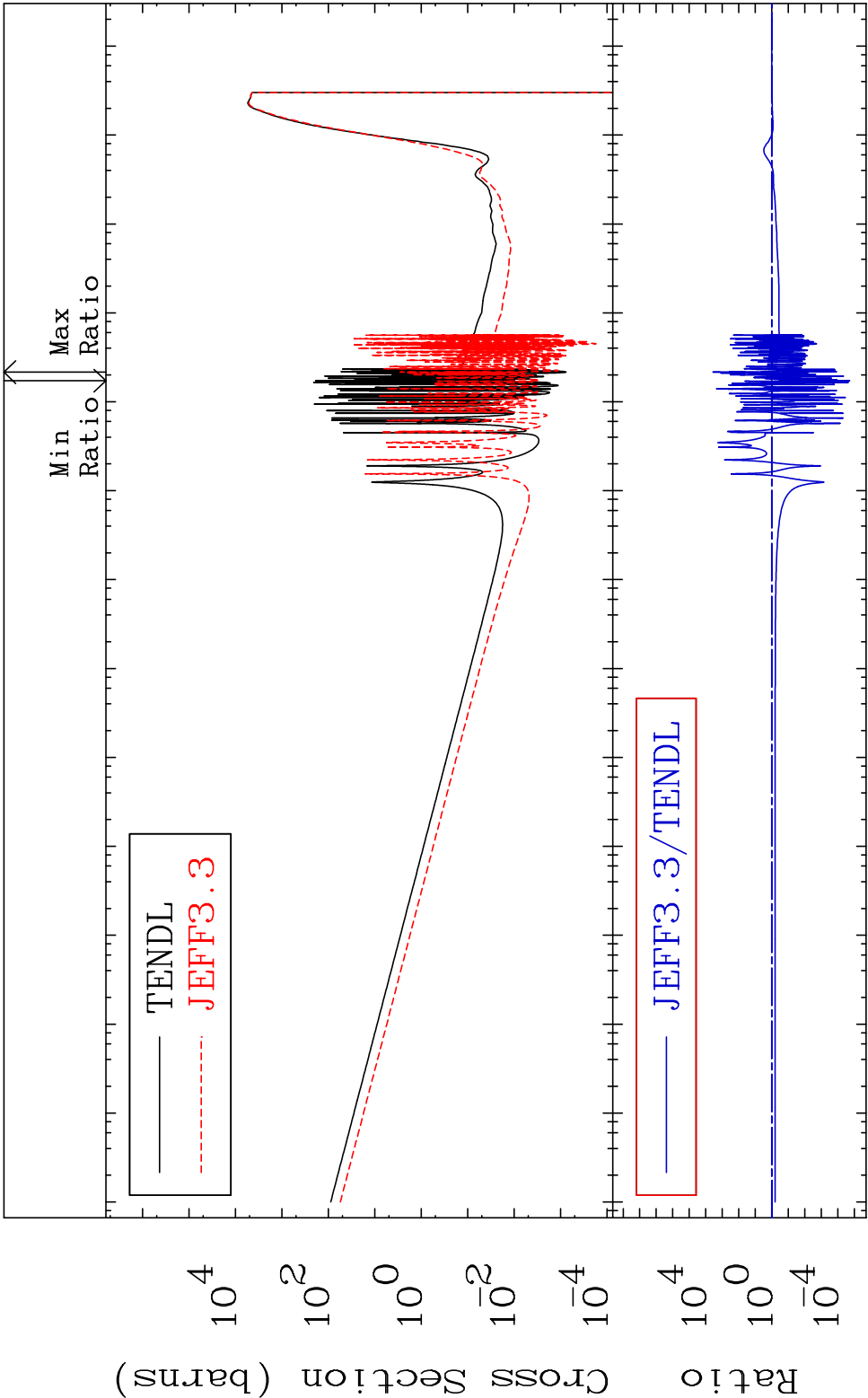


71 Incident Energy (eV) 55-Cs-137

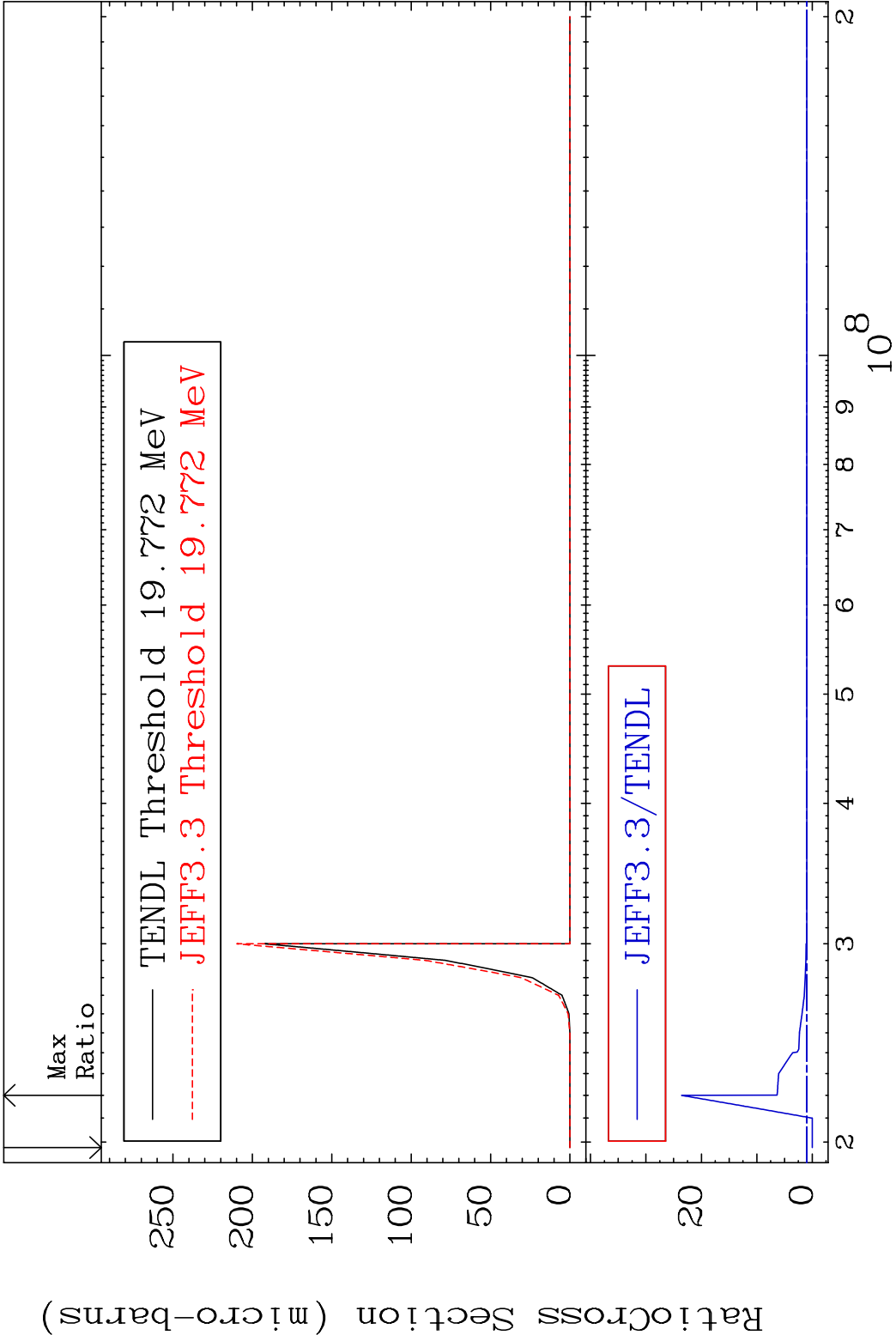
MAT 5537 Dpa inelastic (mt51-91) 55-Cs-137
Cross Section -100.0 To 5.750 %

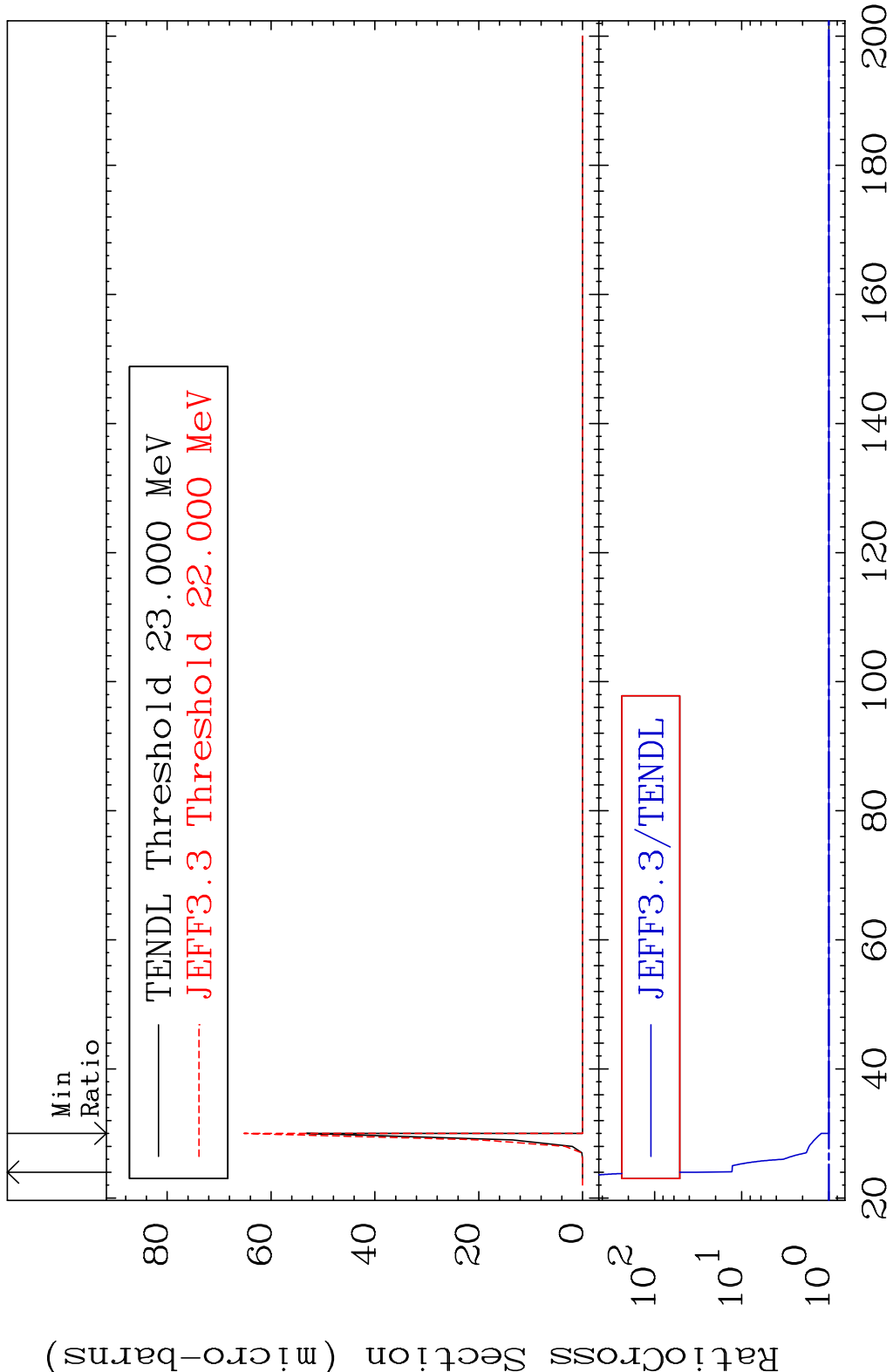


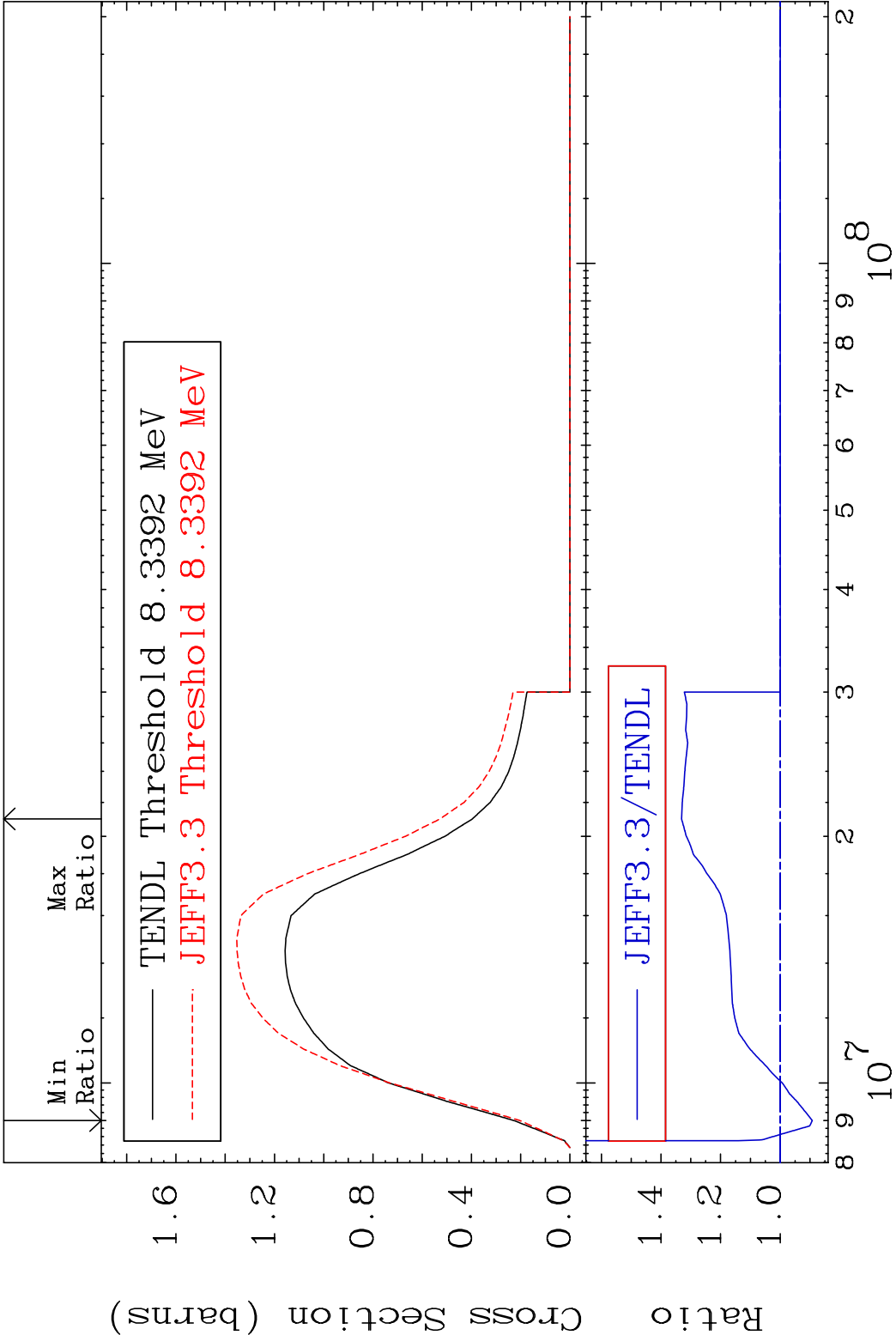
MAT 5537 Dpa disappearance (mt102 -120) 55-Cs-137
 Cross Section -100.0 To 9999. %

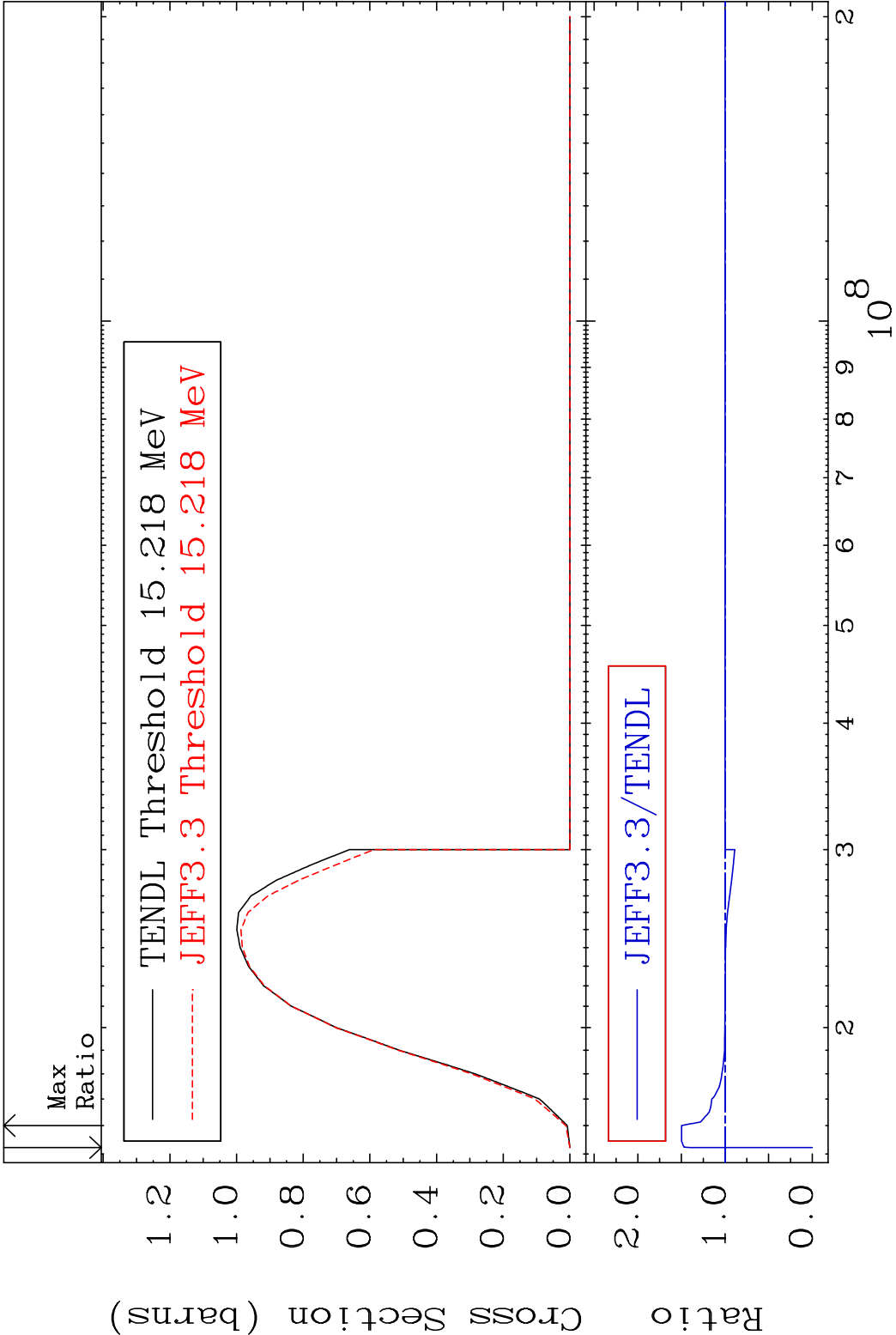


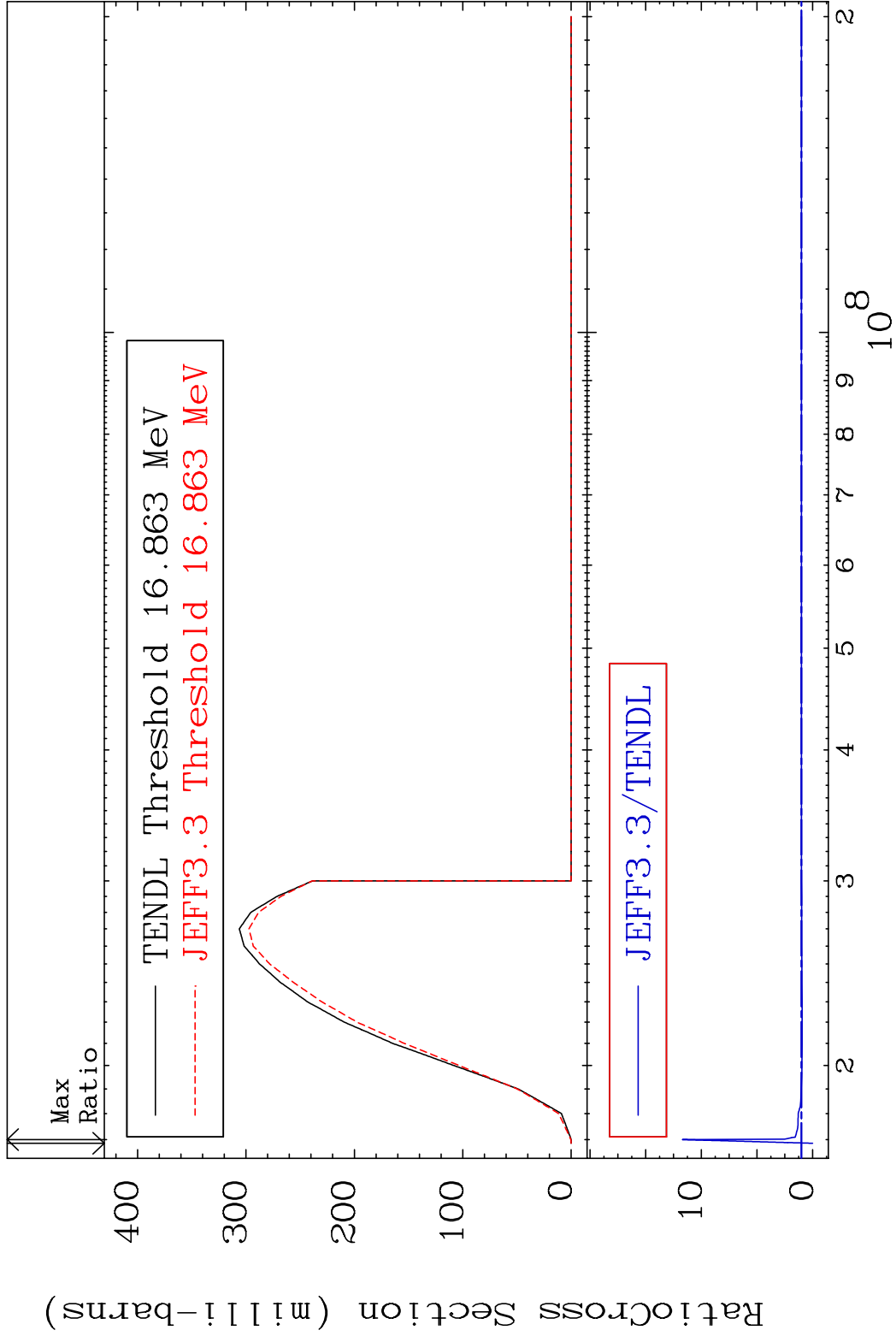
73 Incident Energy (eV) 55-Cs-137

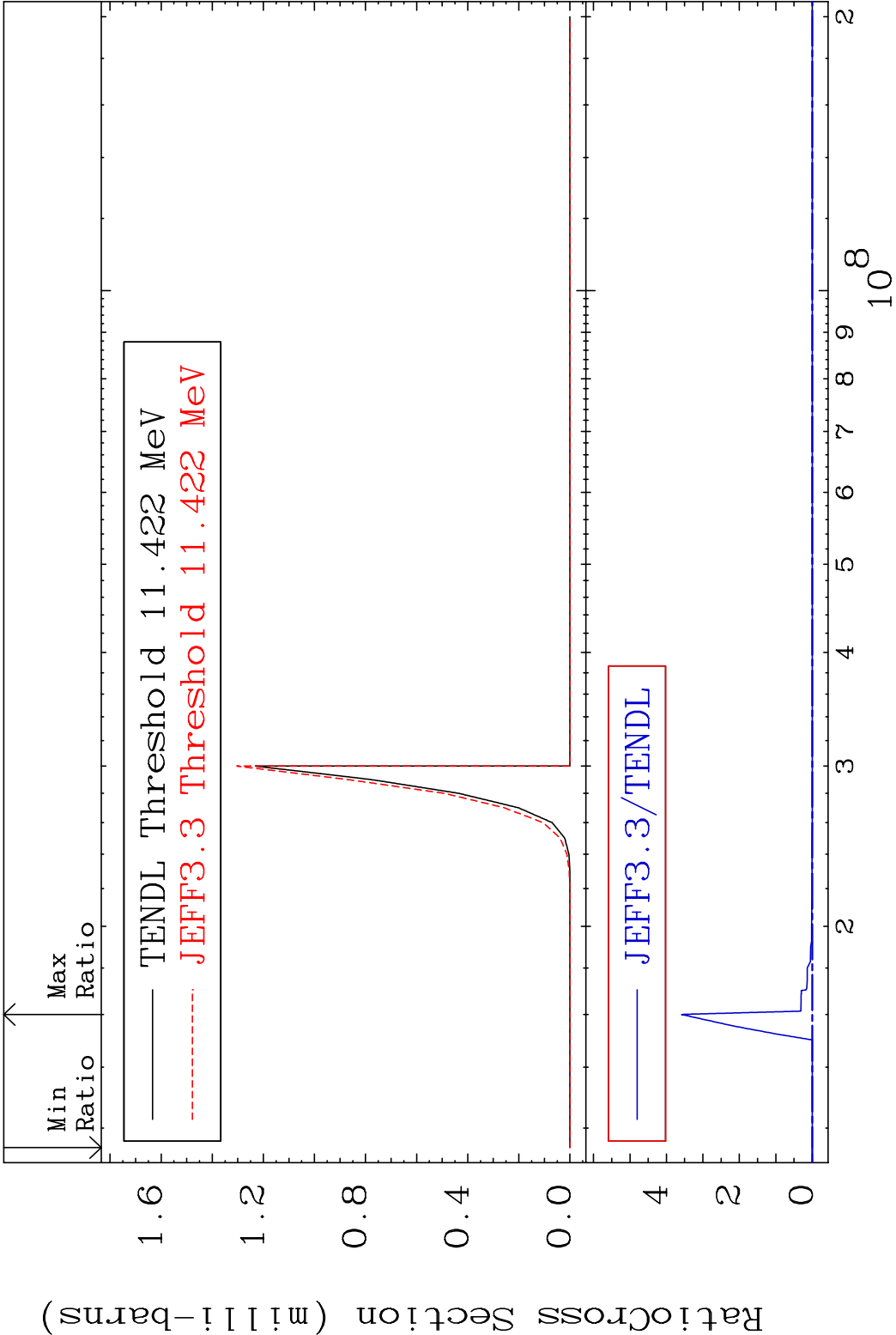


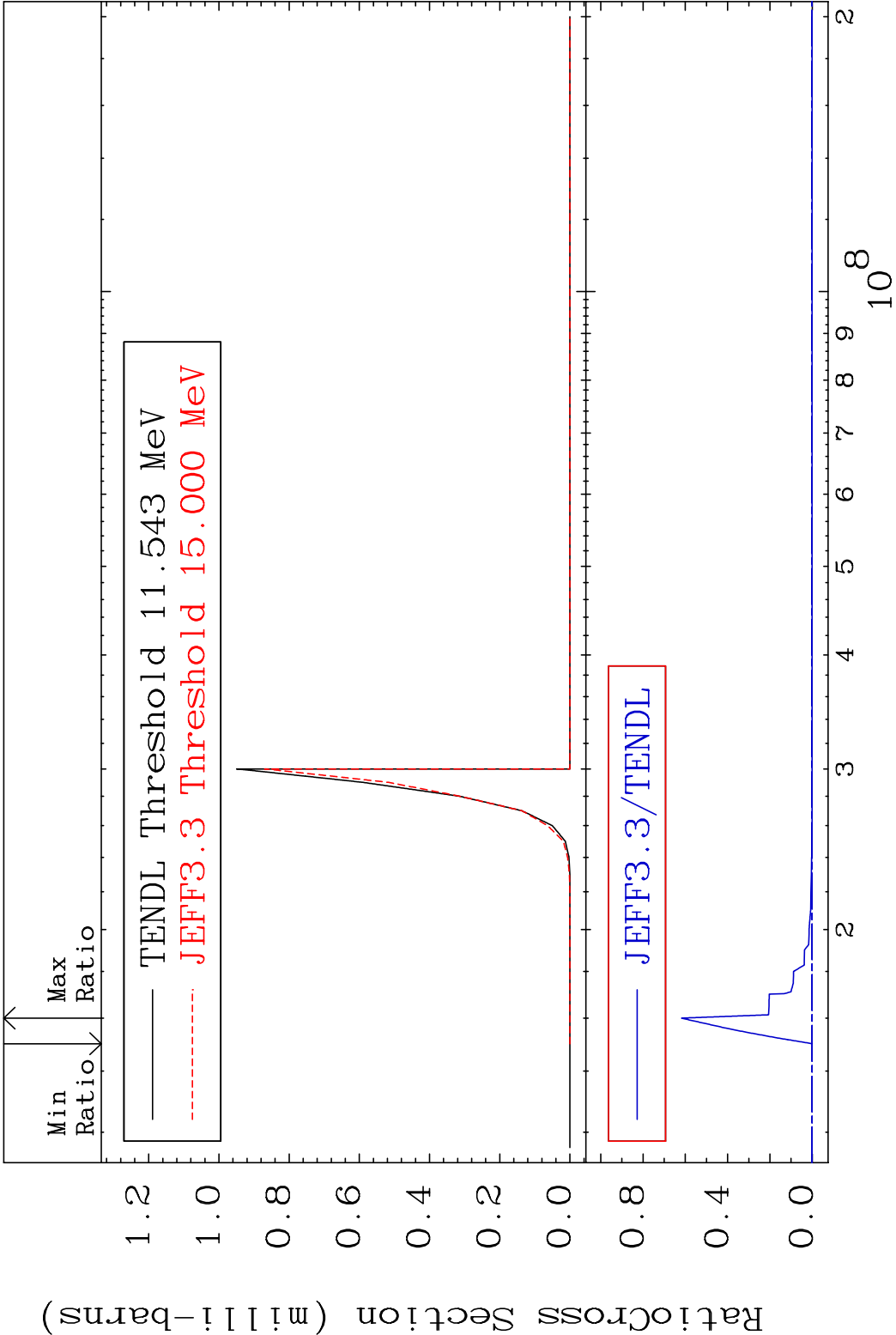


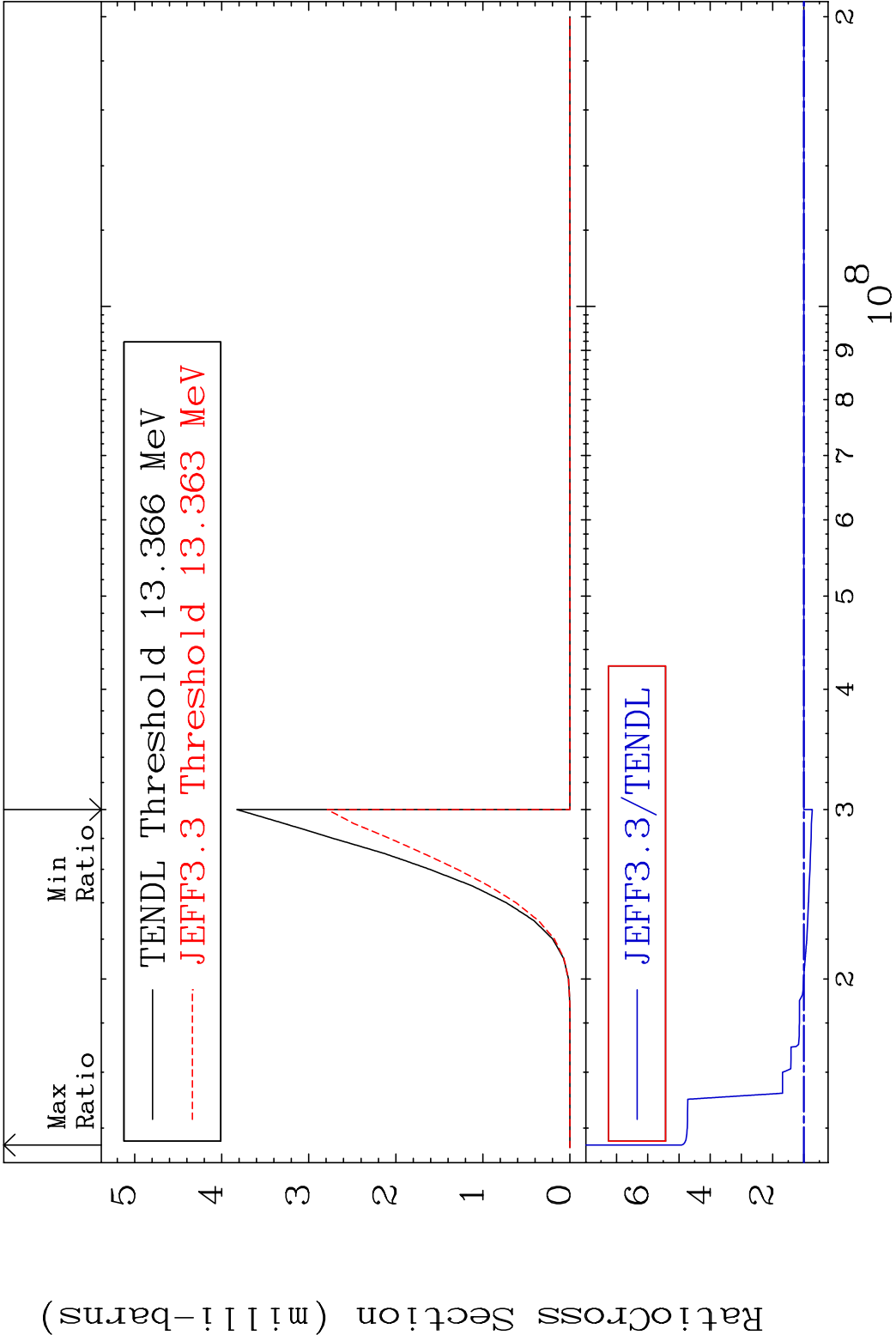


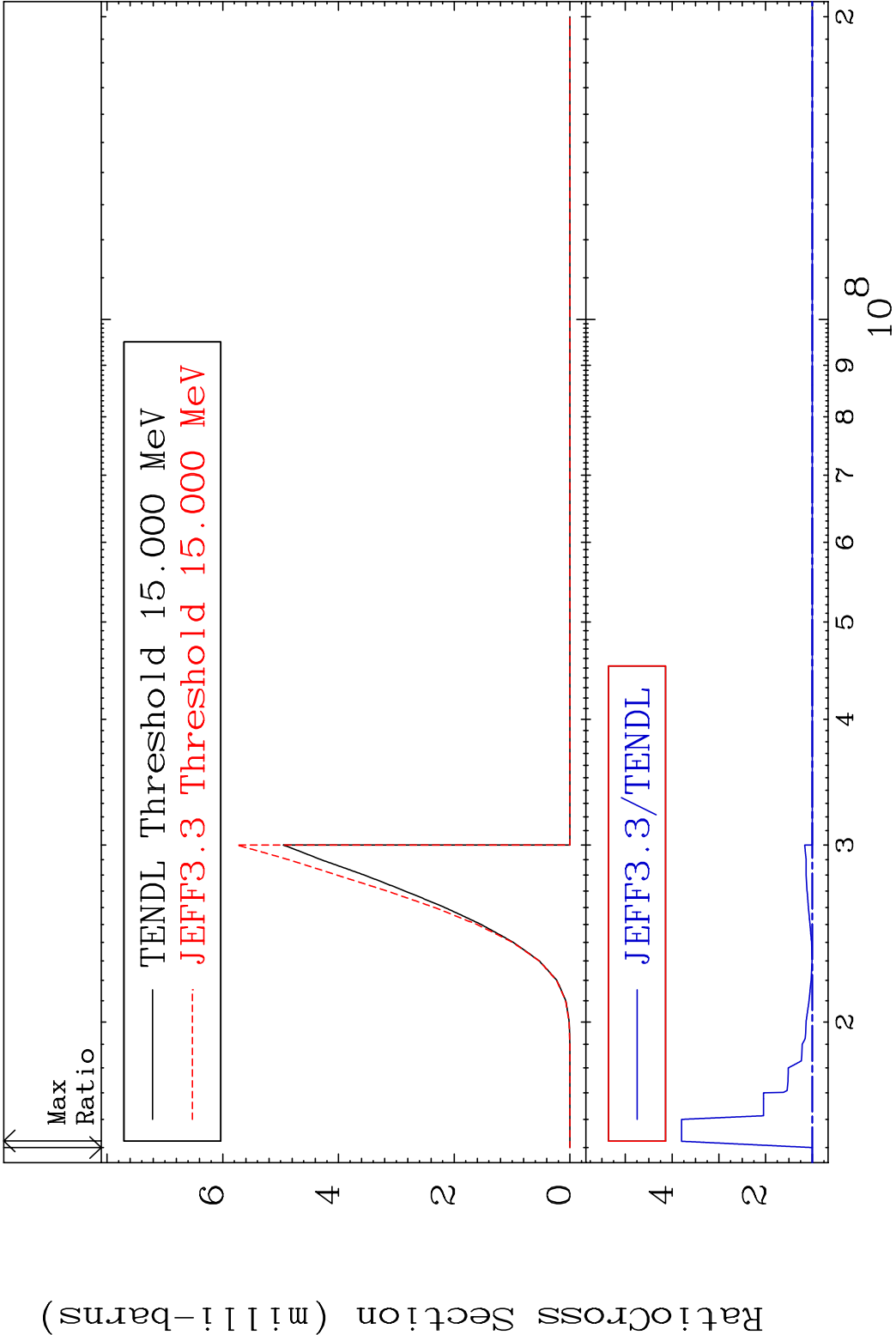


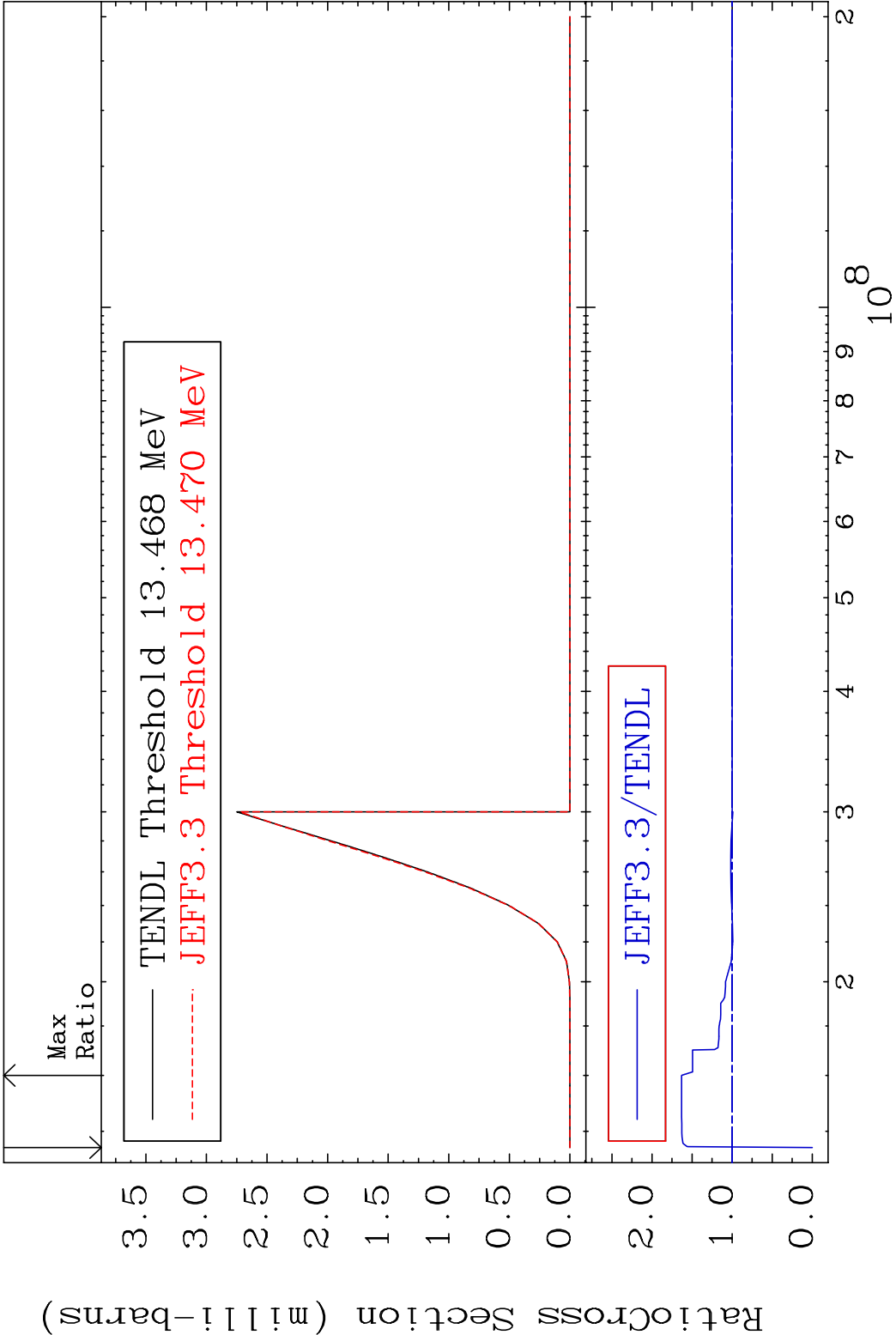


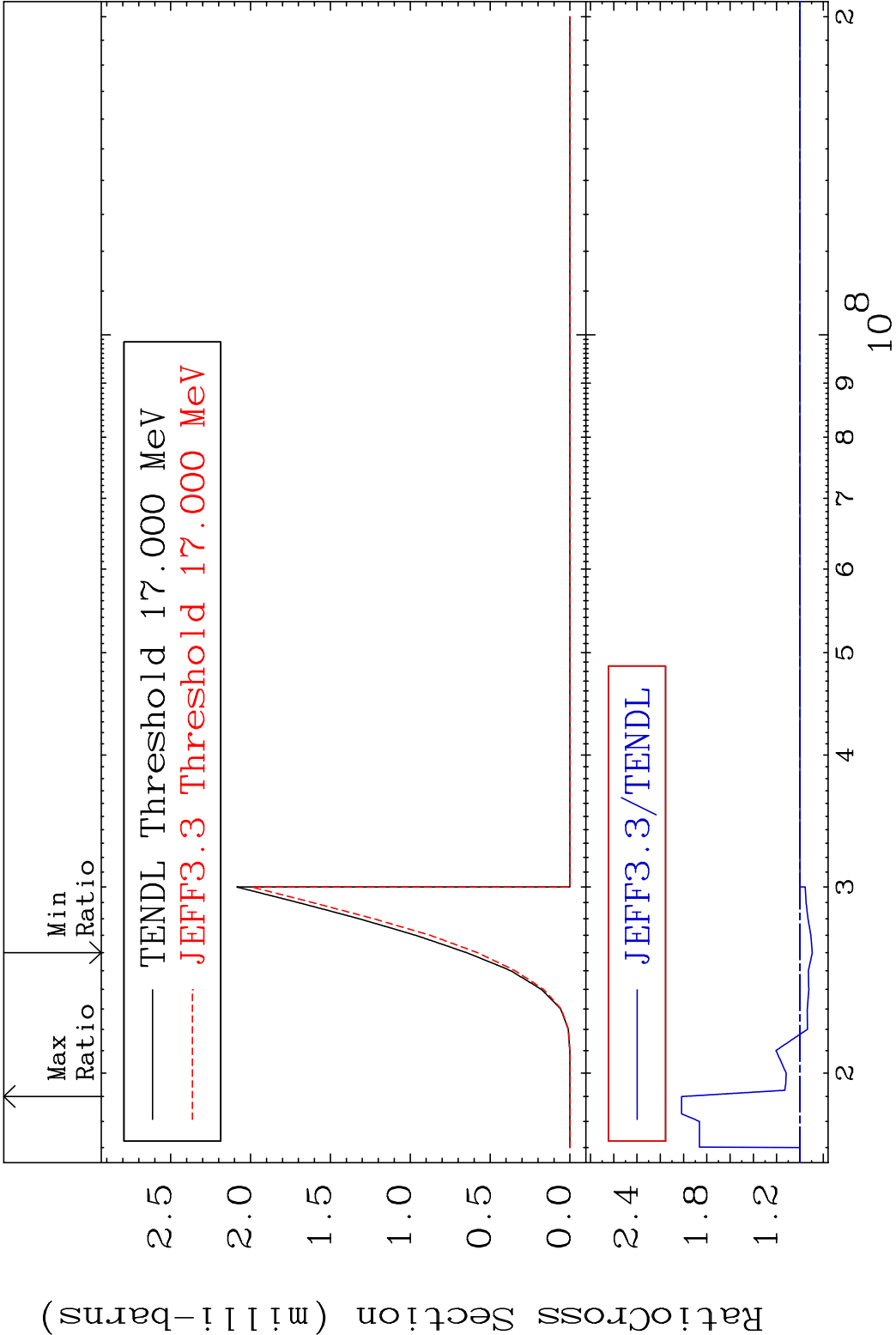


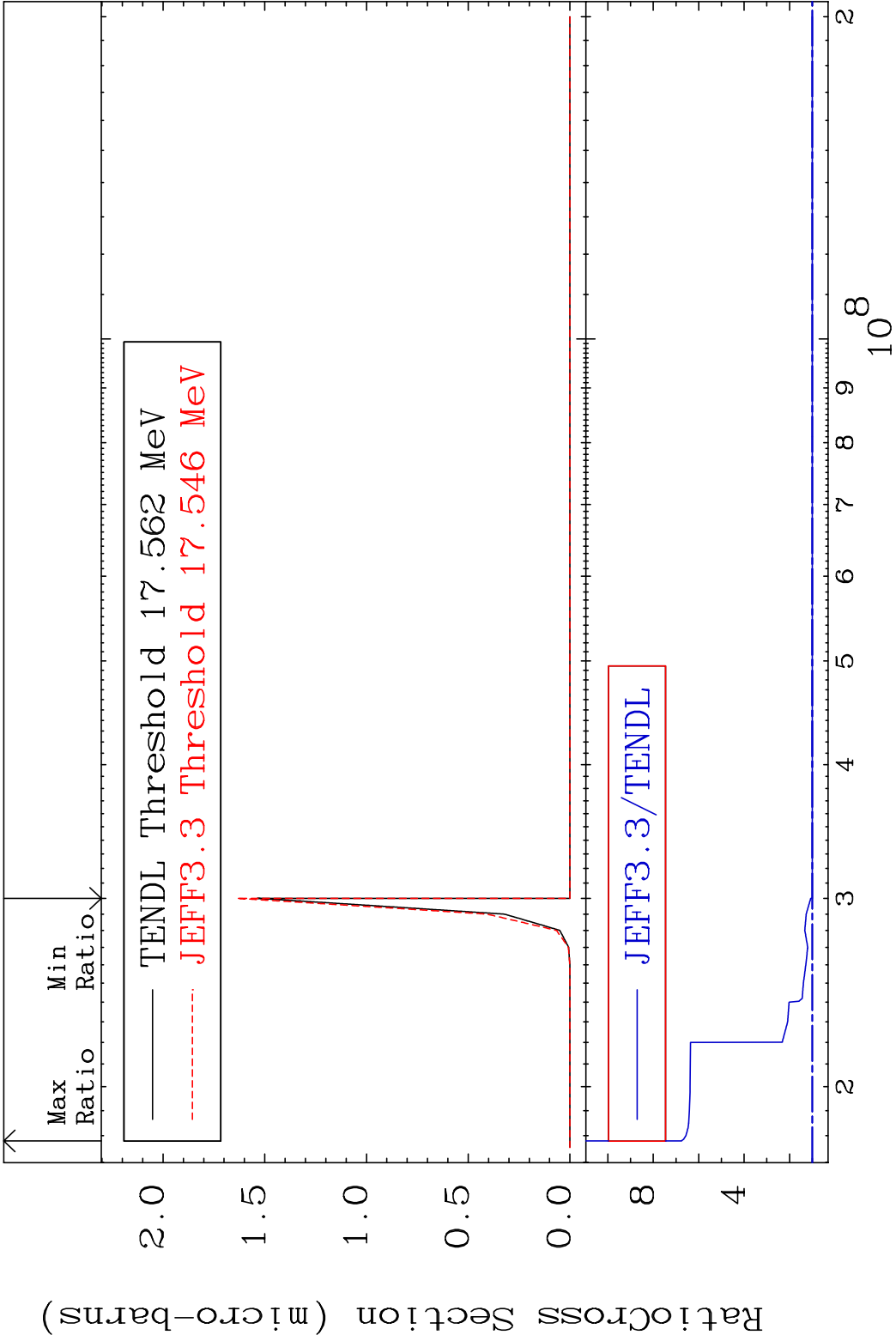


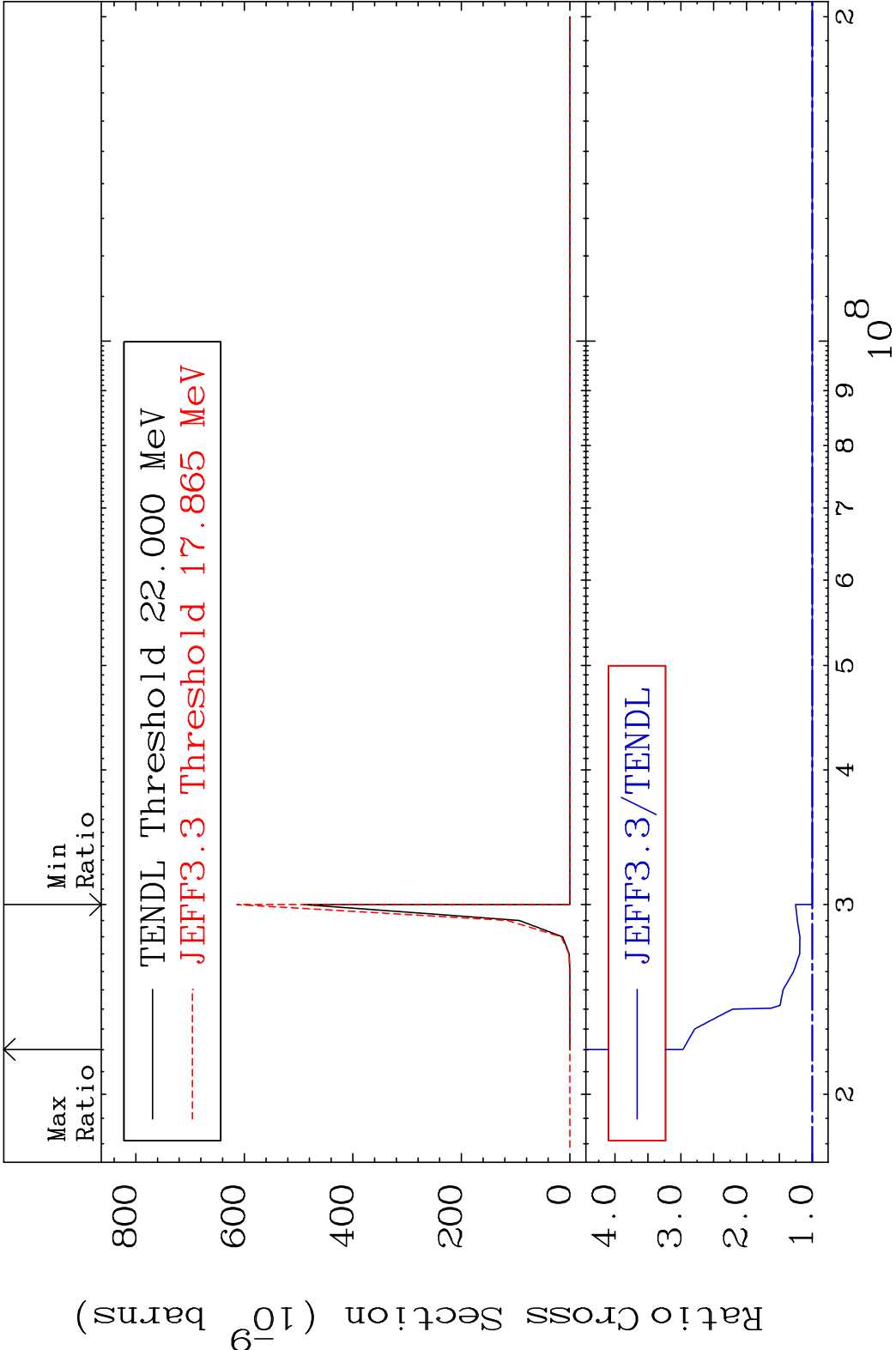


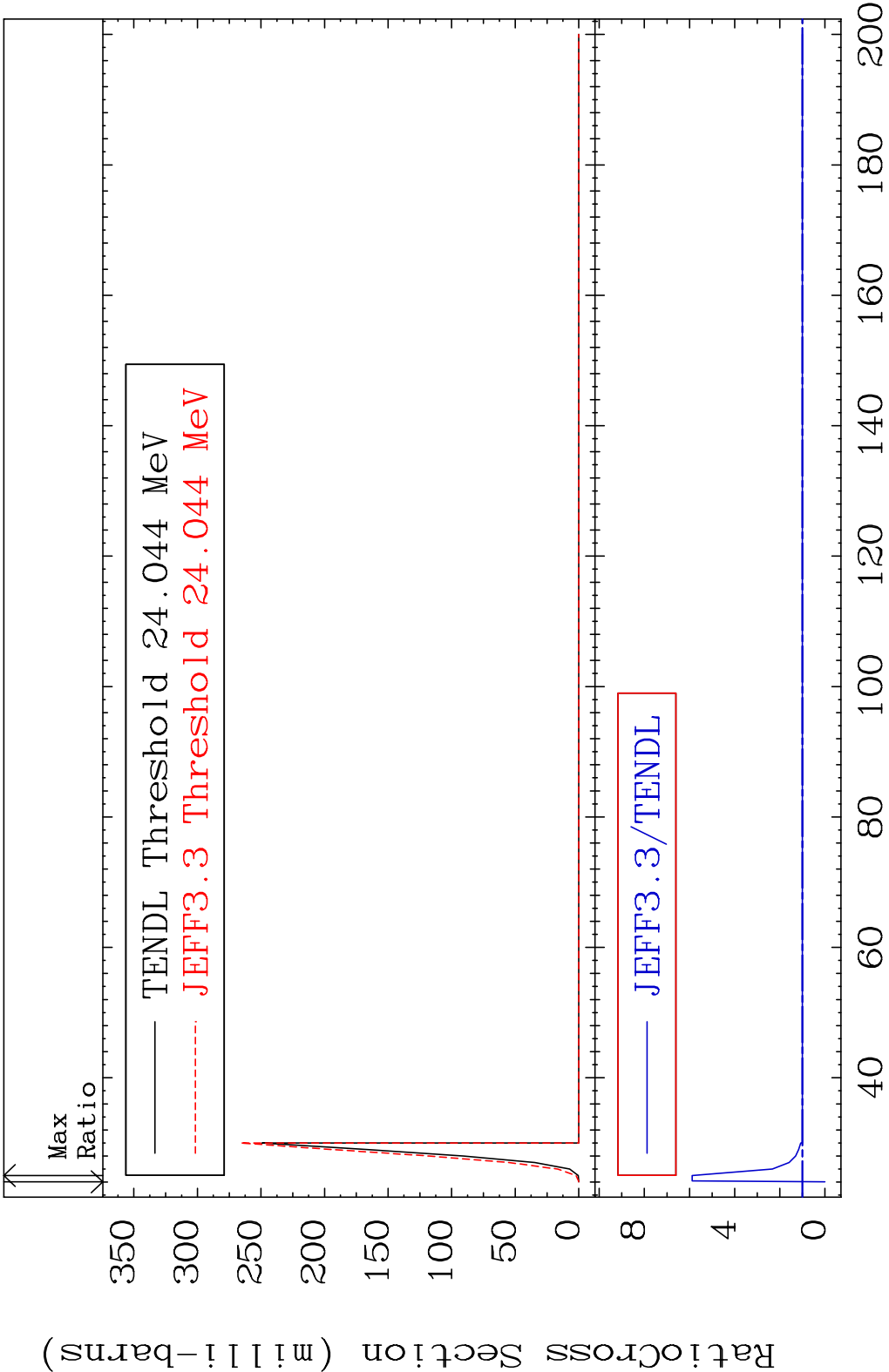


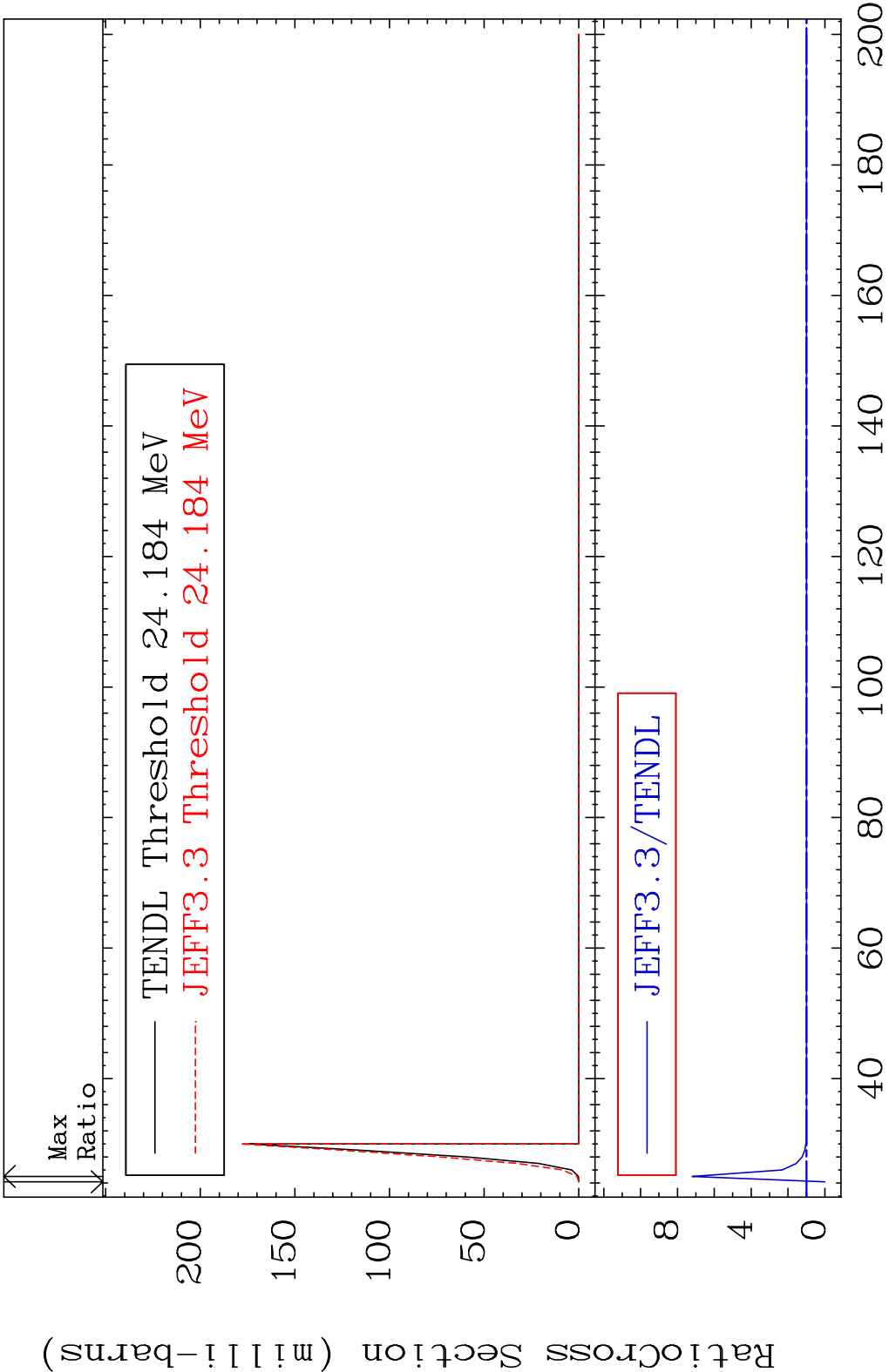


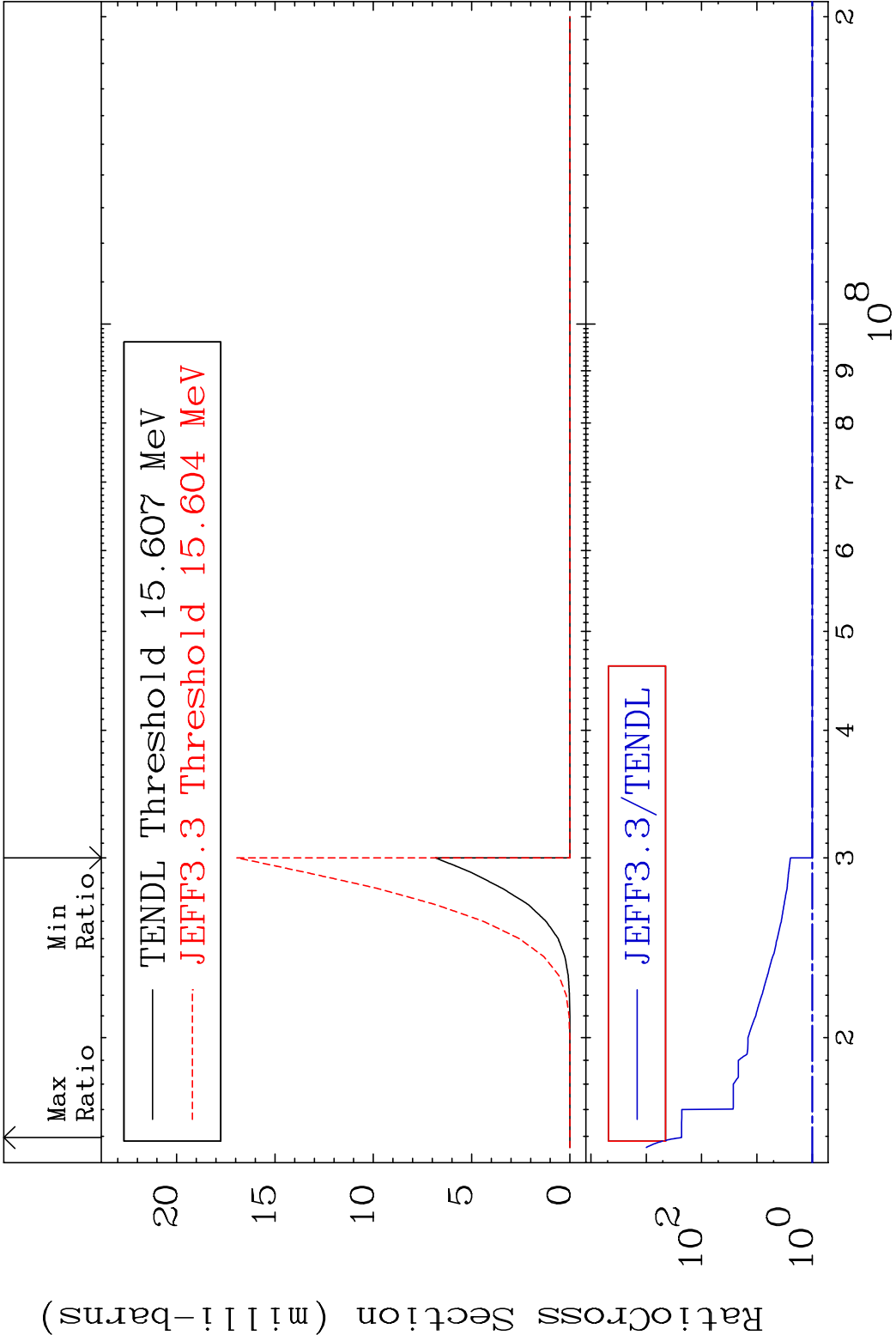


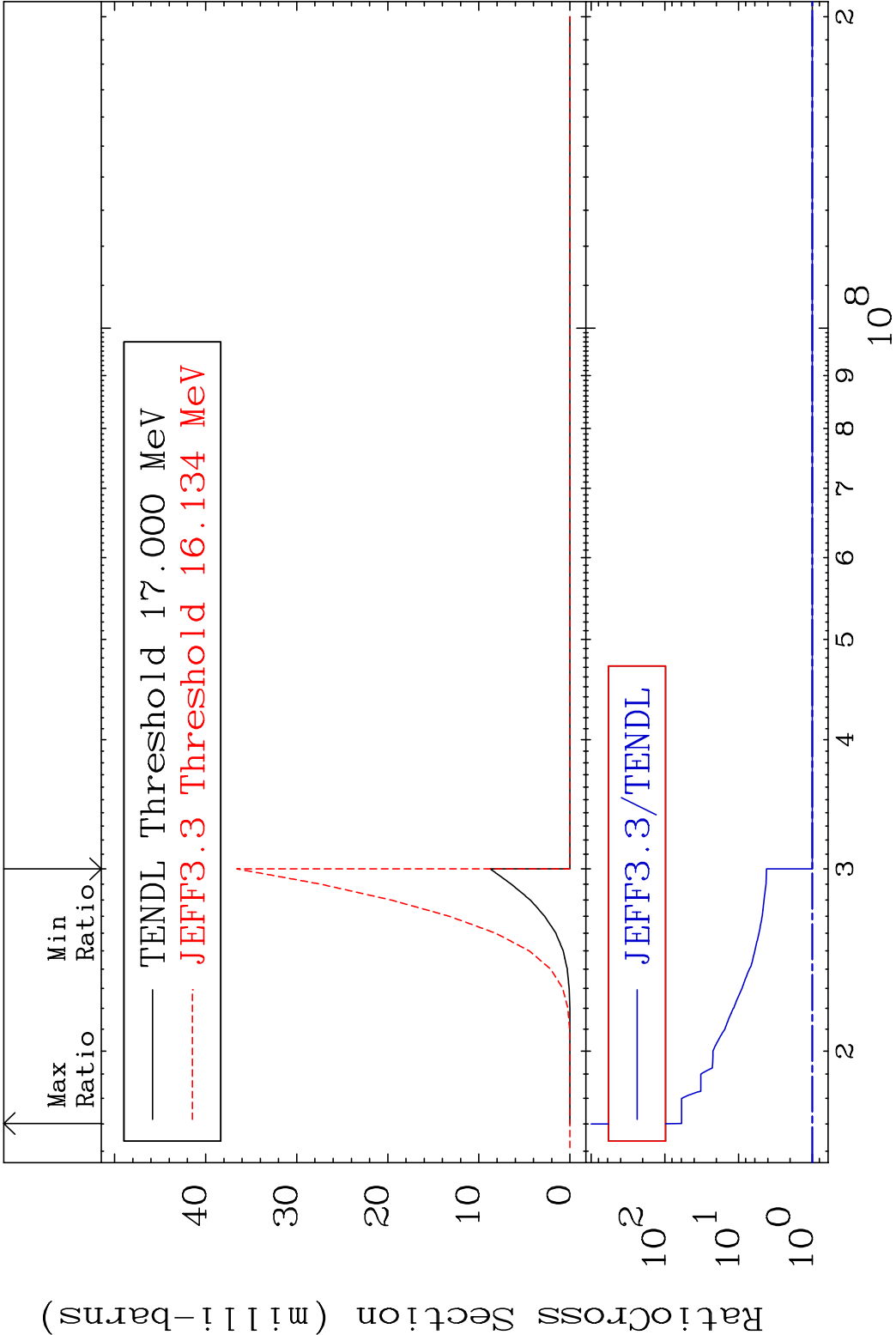


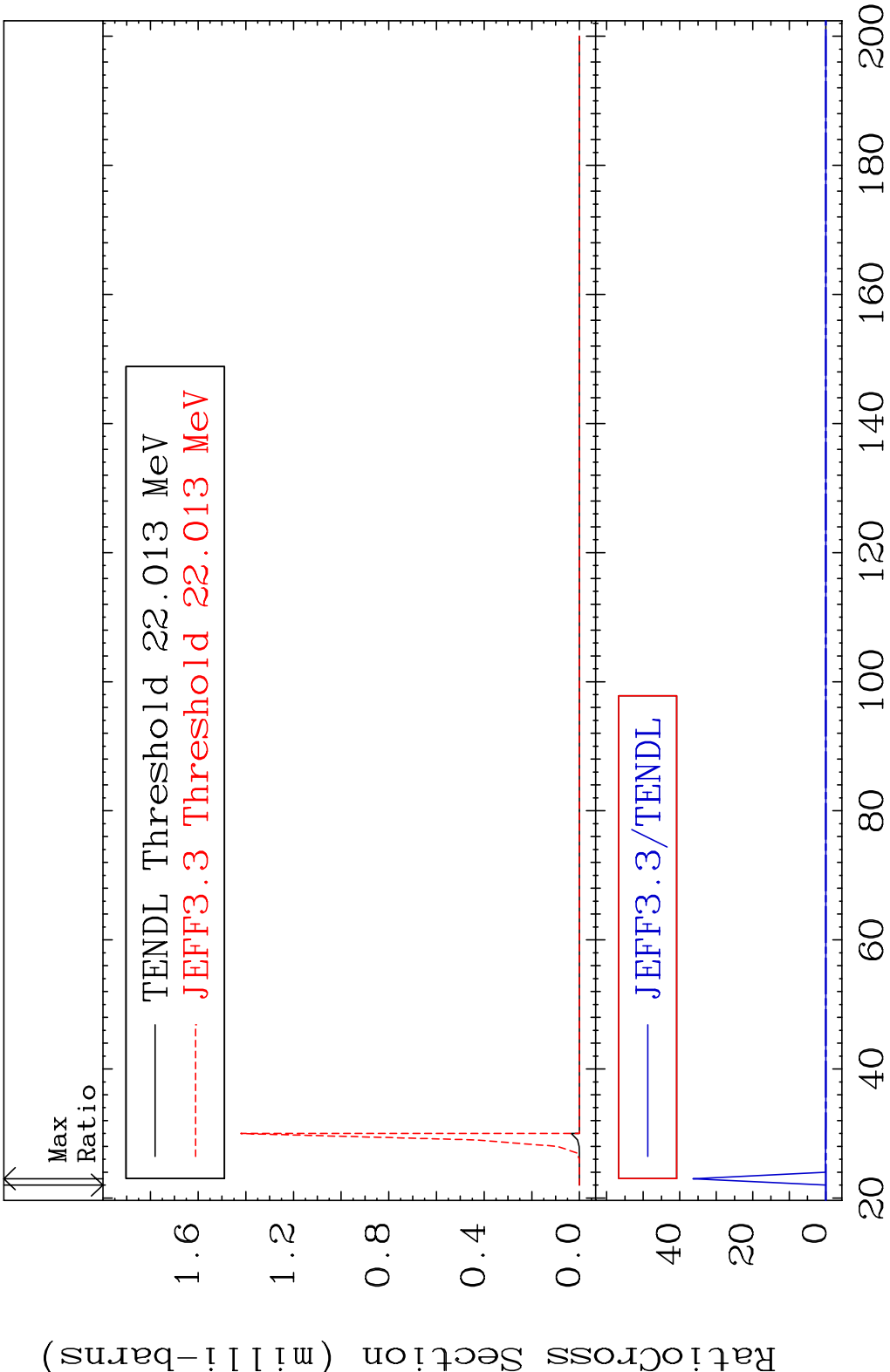


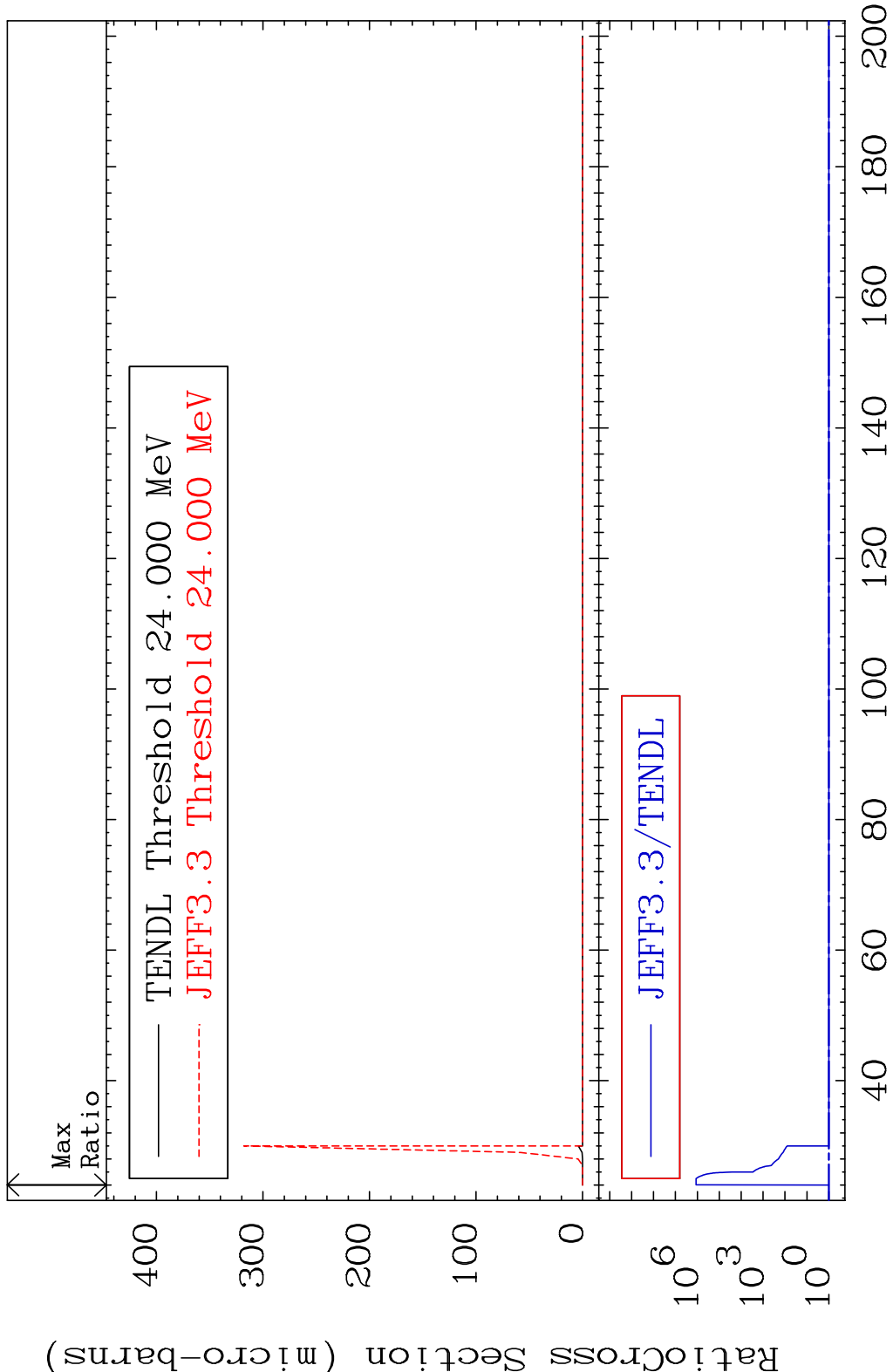


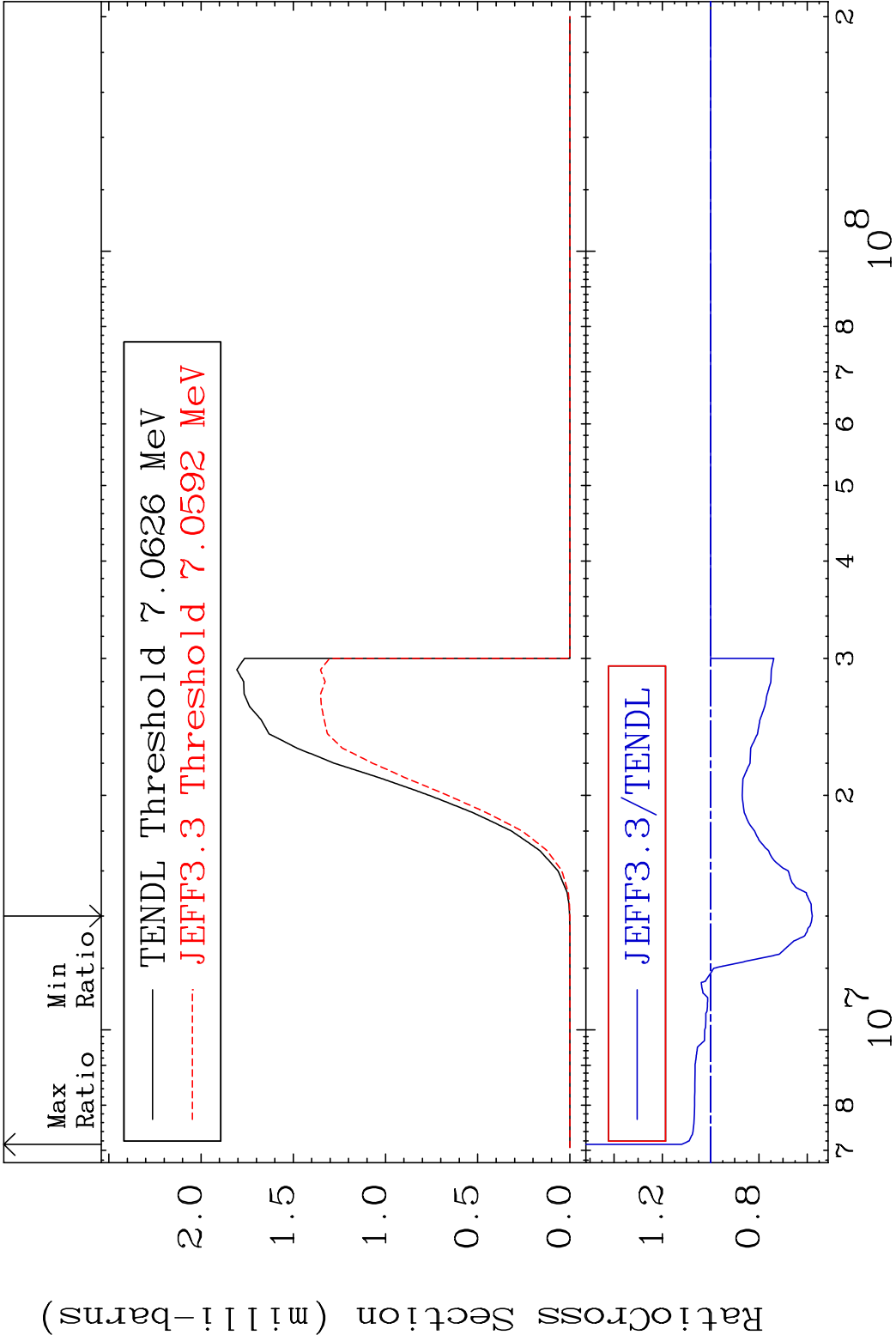


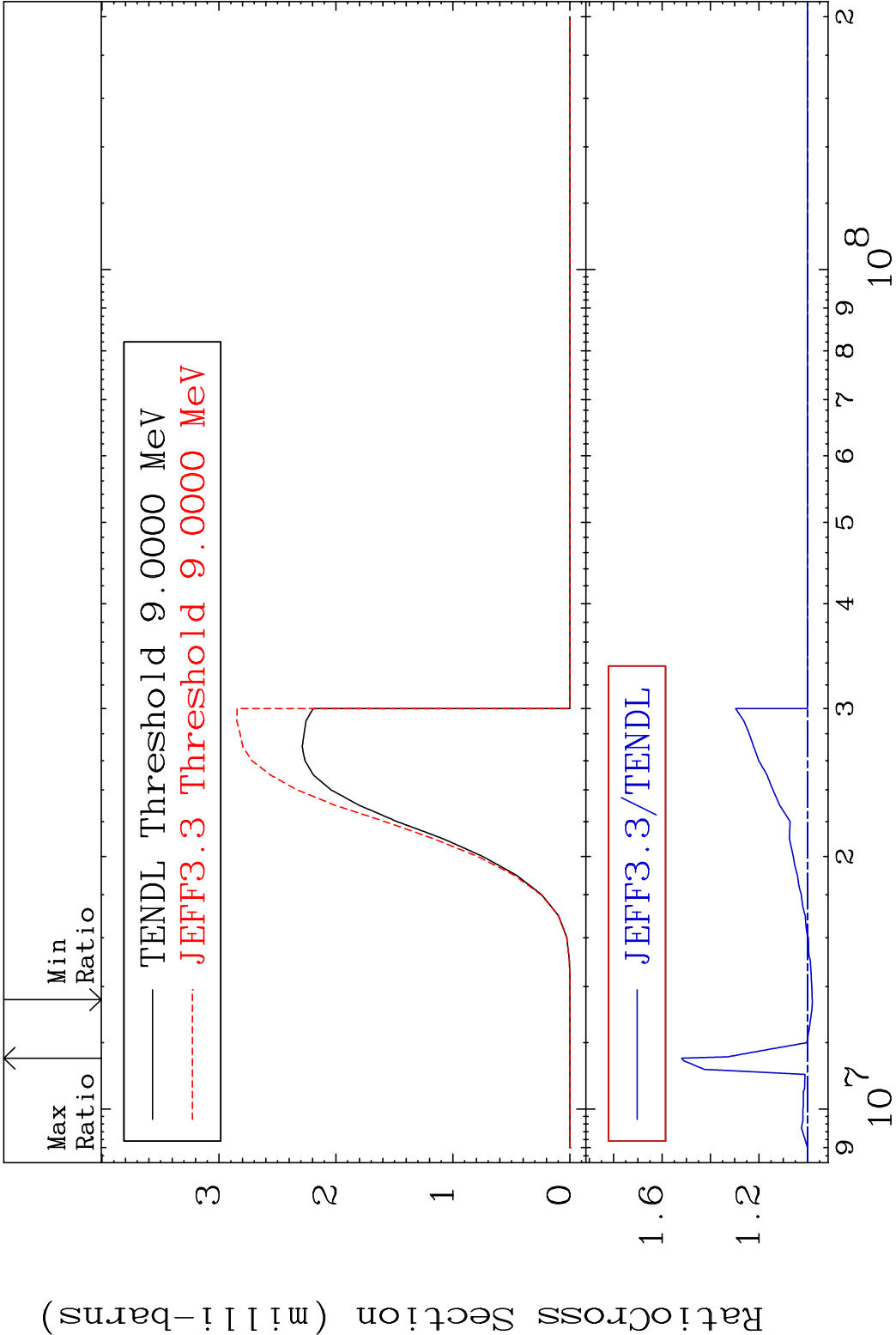


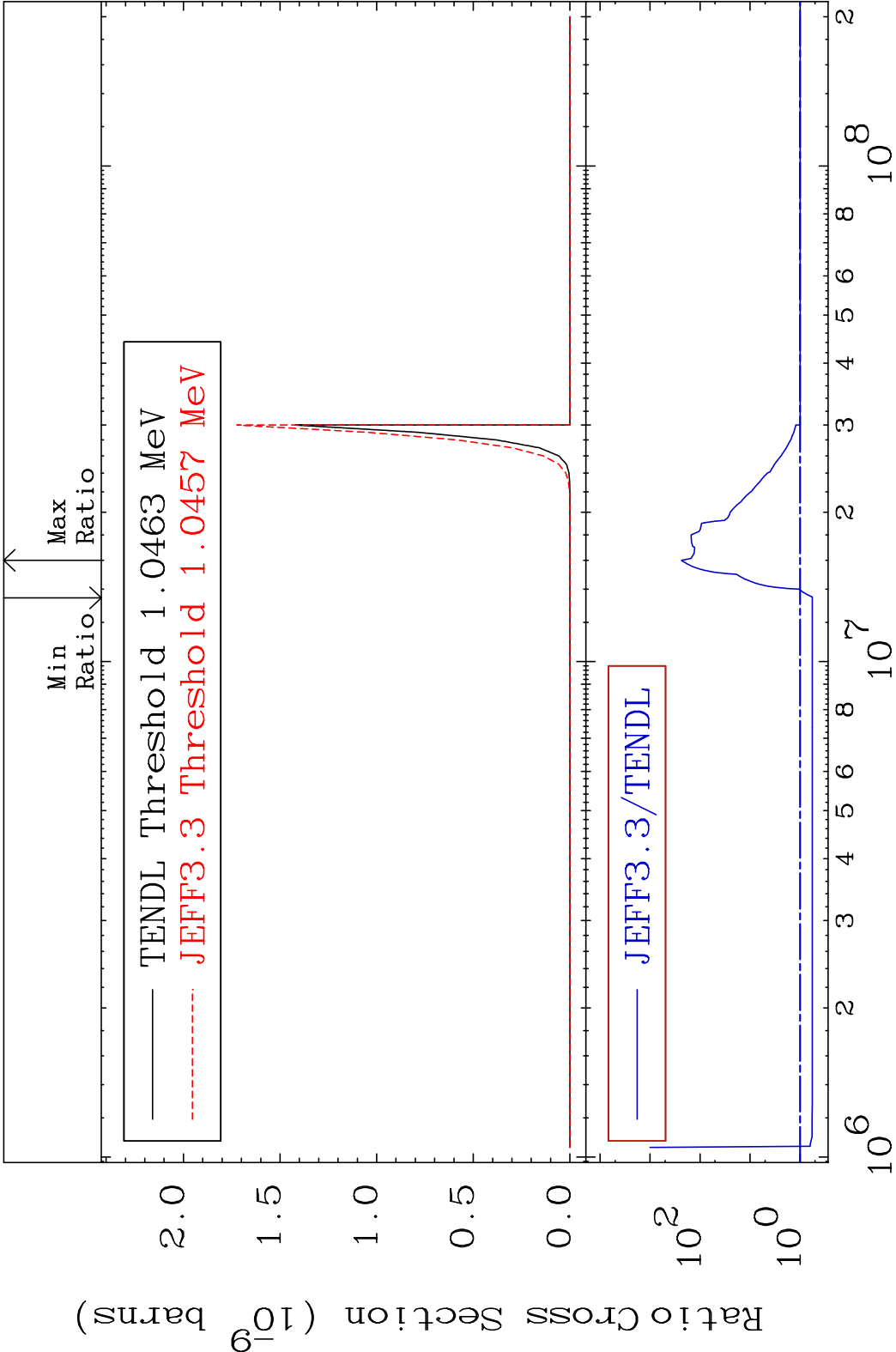


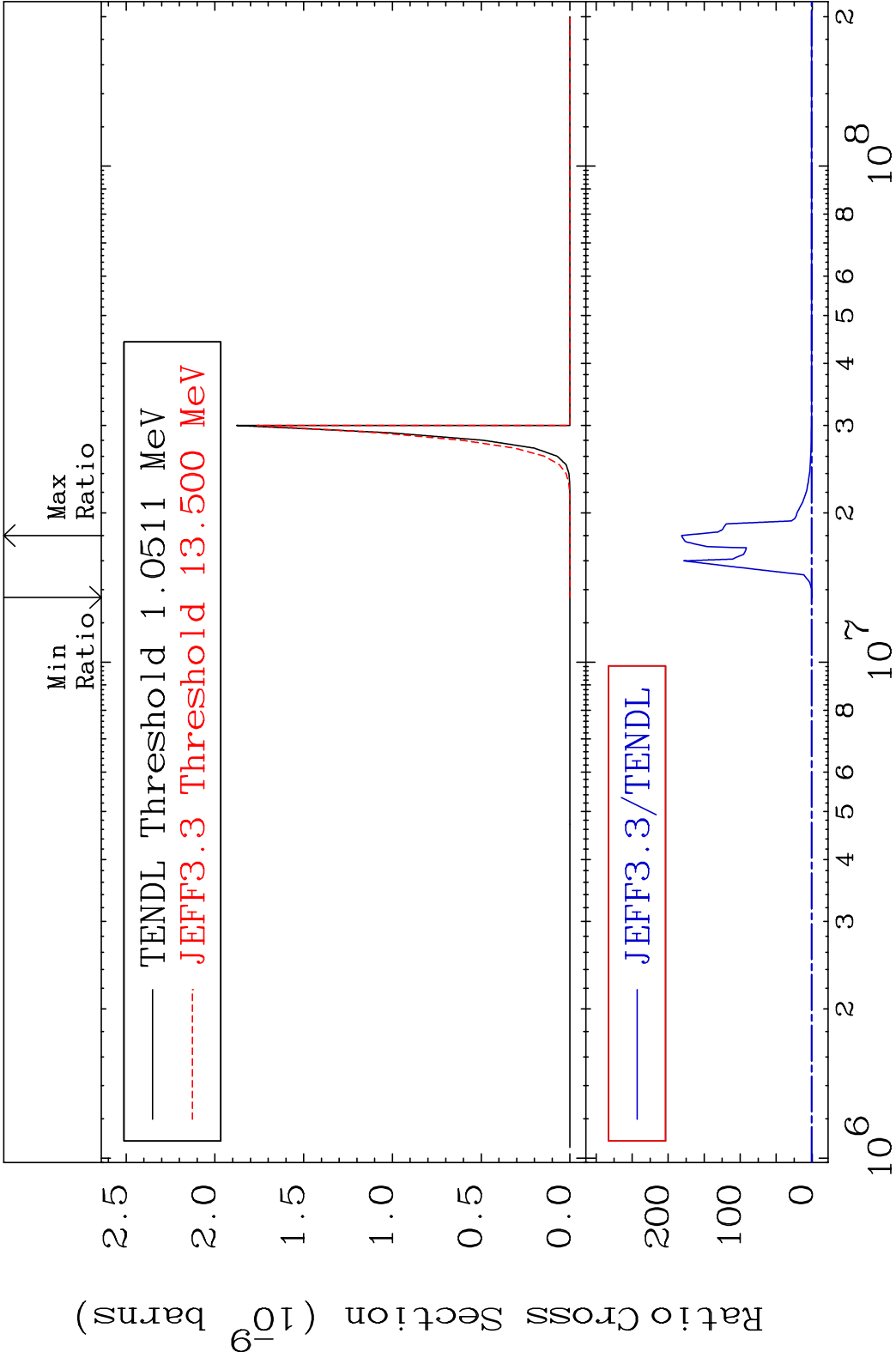


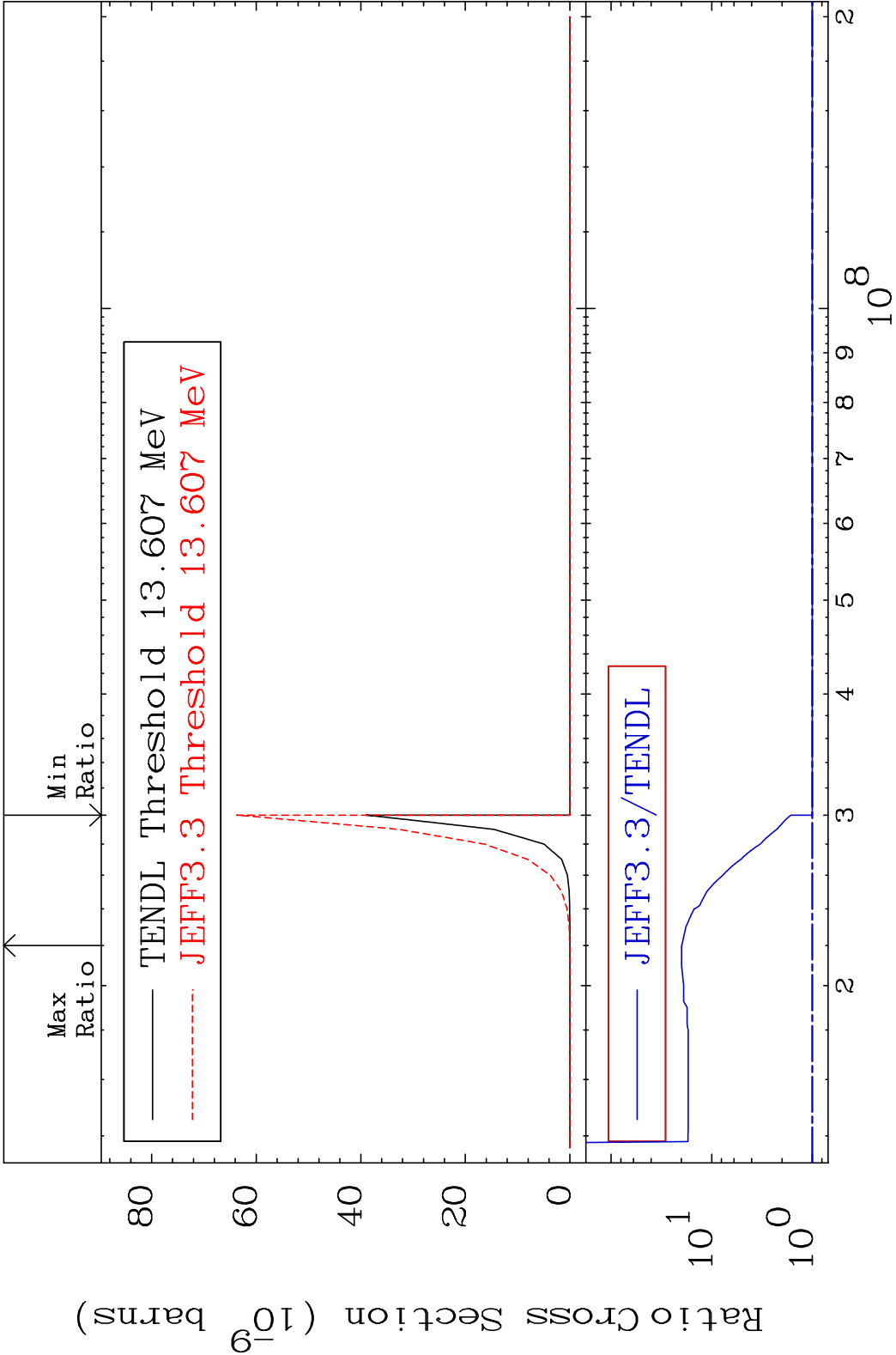


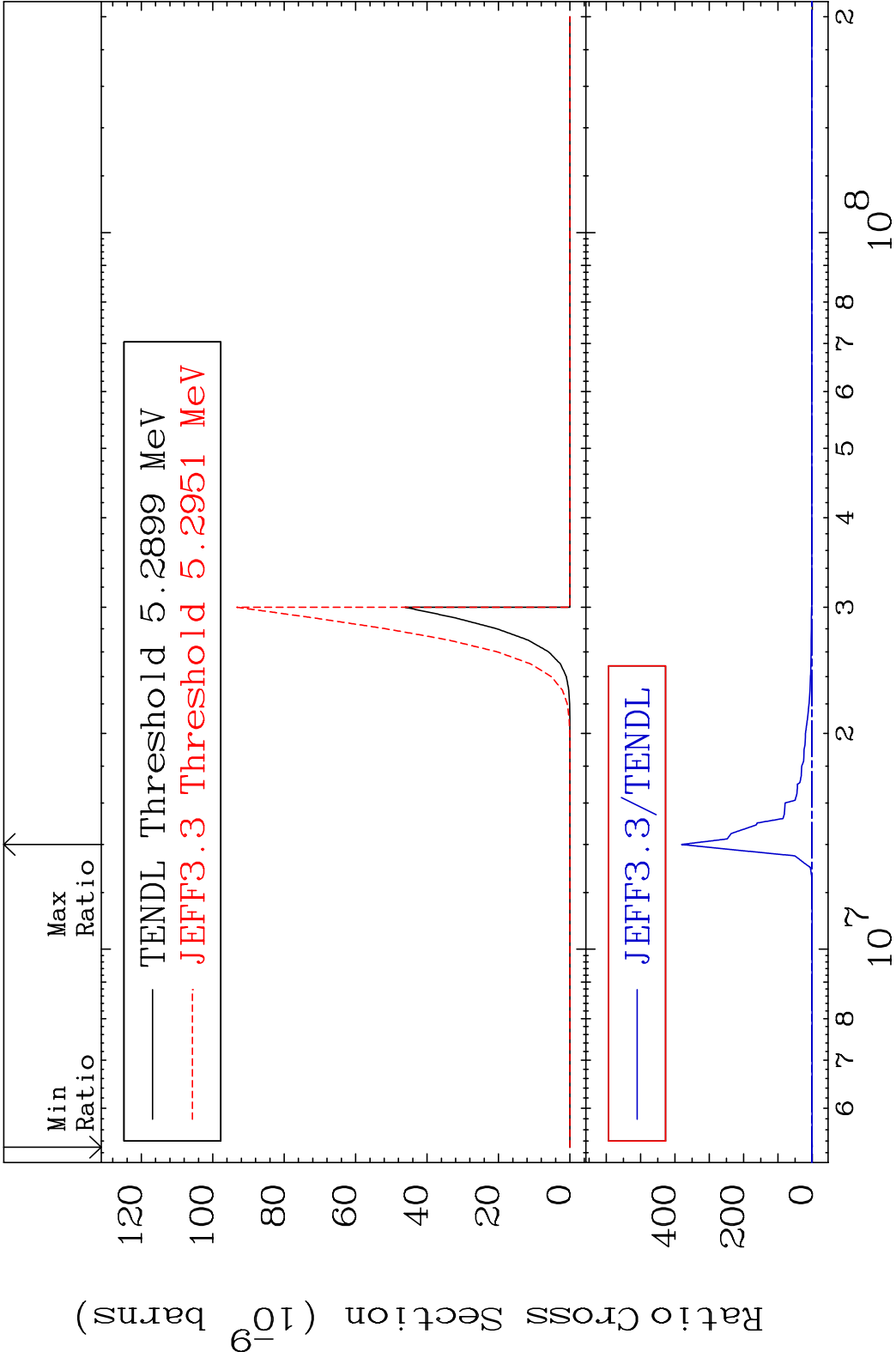












Radionuclide Production Cross-Section, %

