

Program Complot
(Version 2021-1)

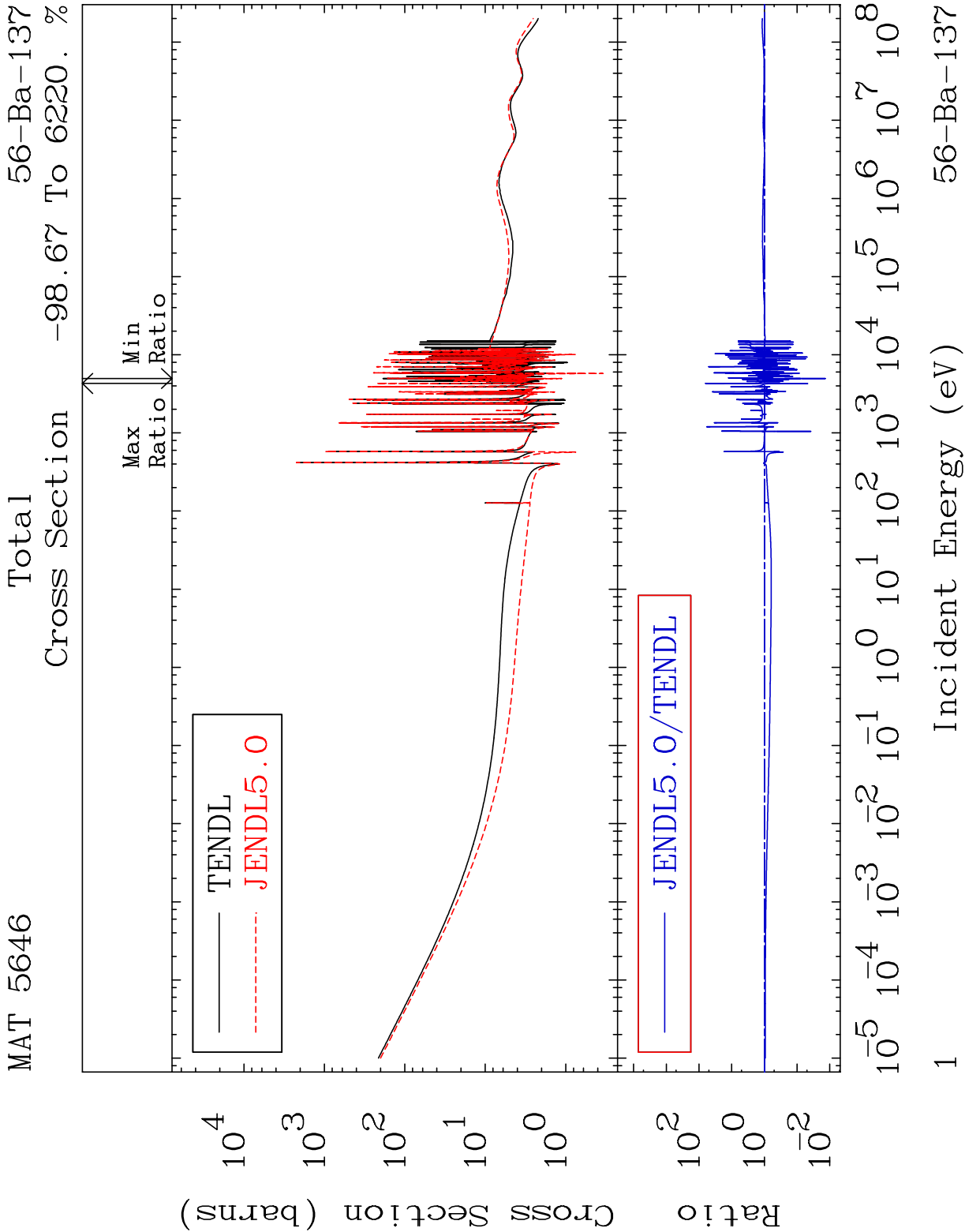
by

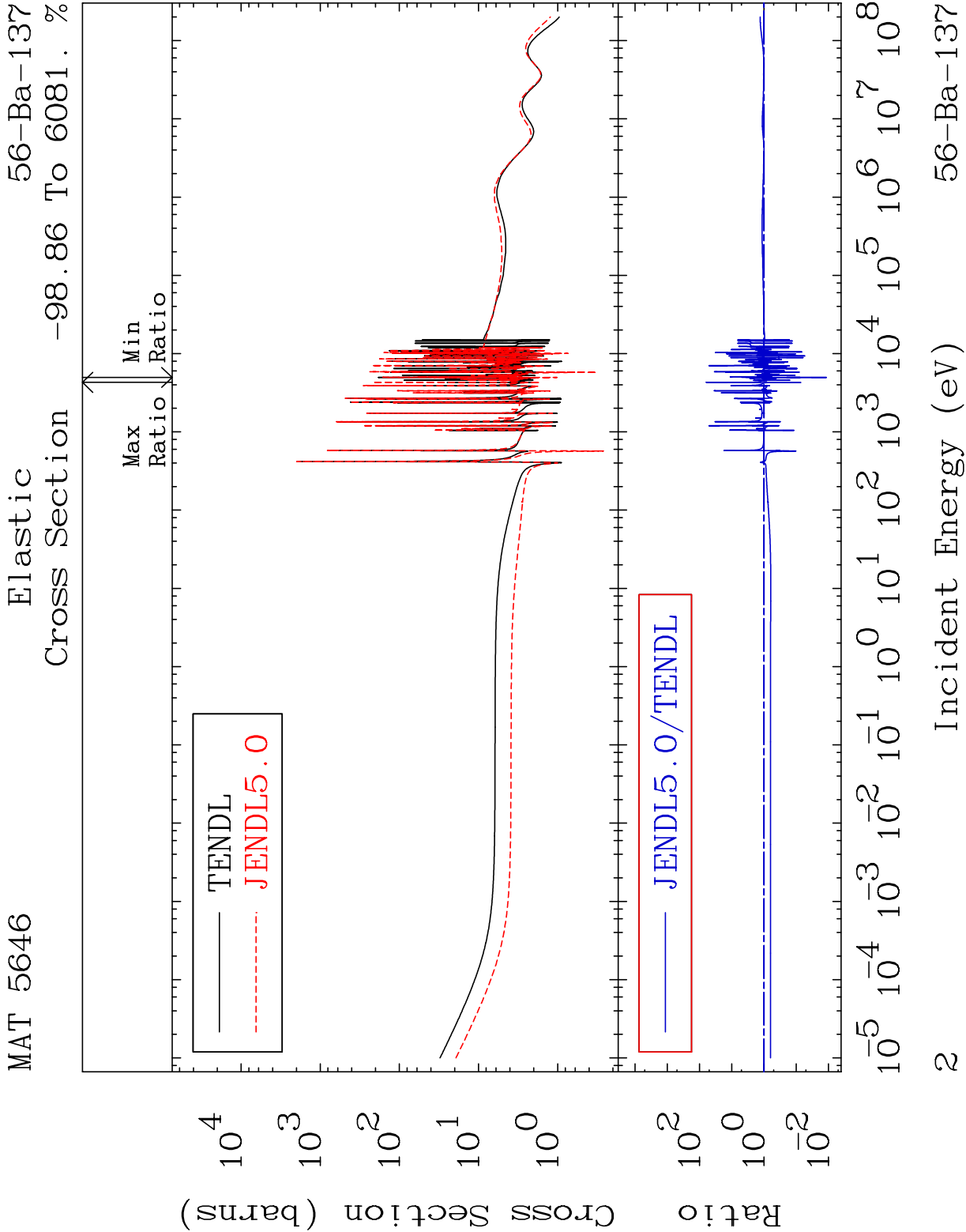
Dermott E. Cullen
(Present Contact Information)

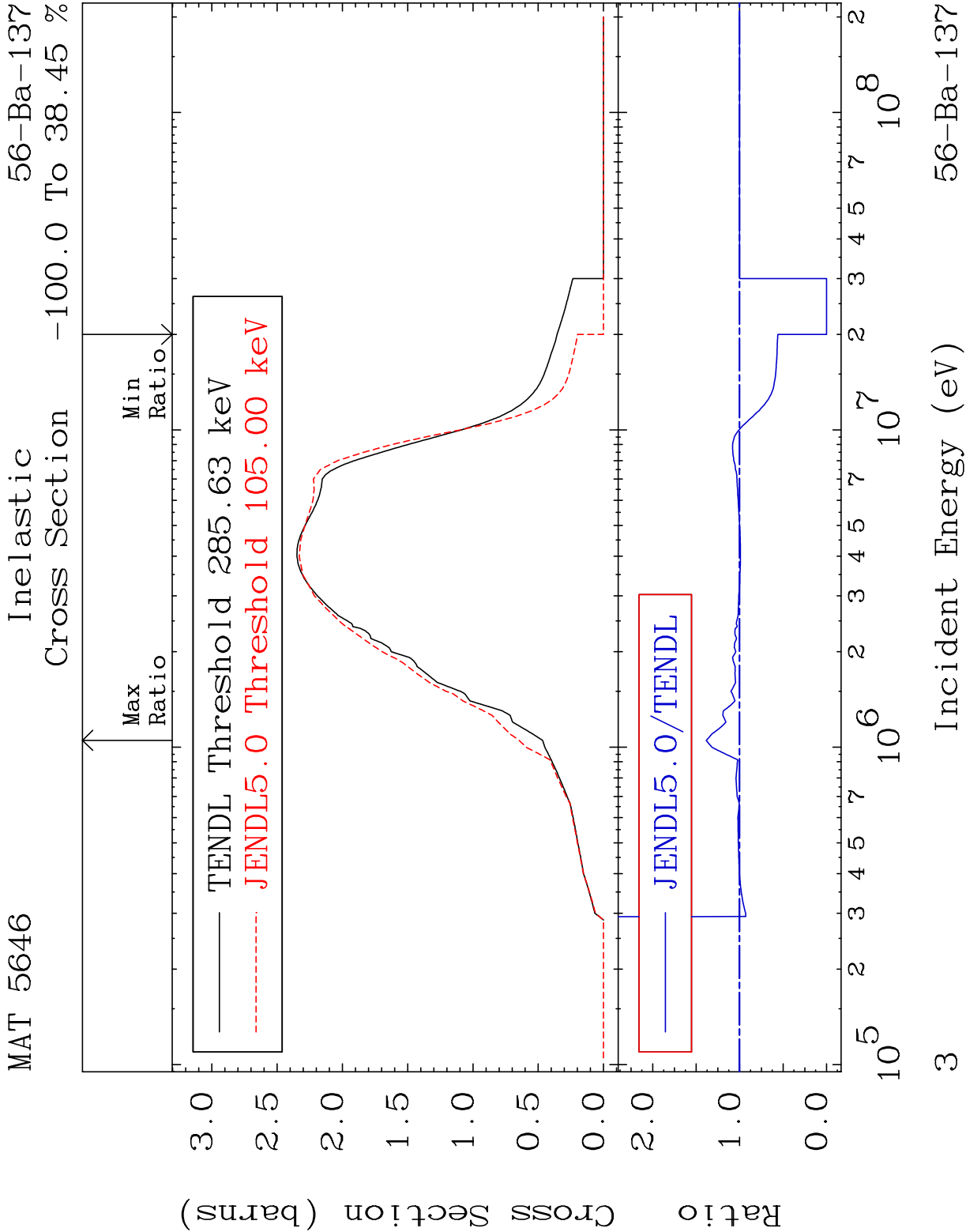
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

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

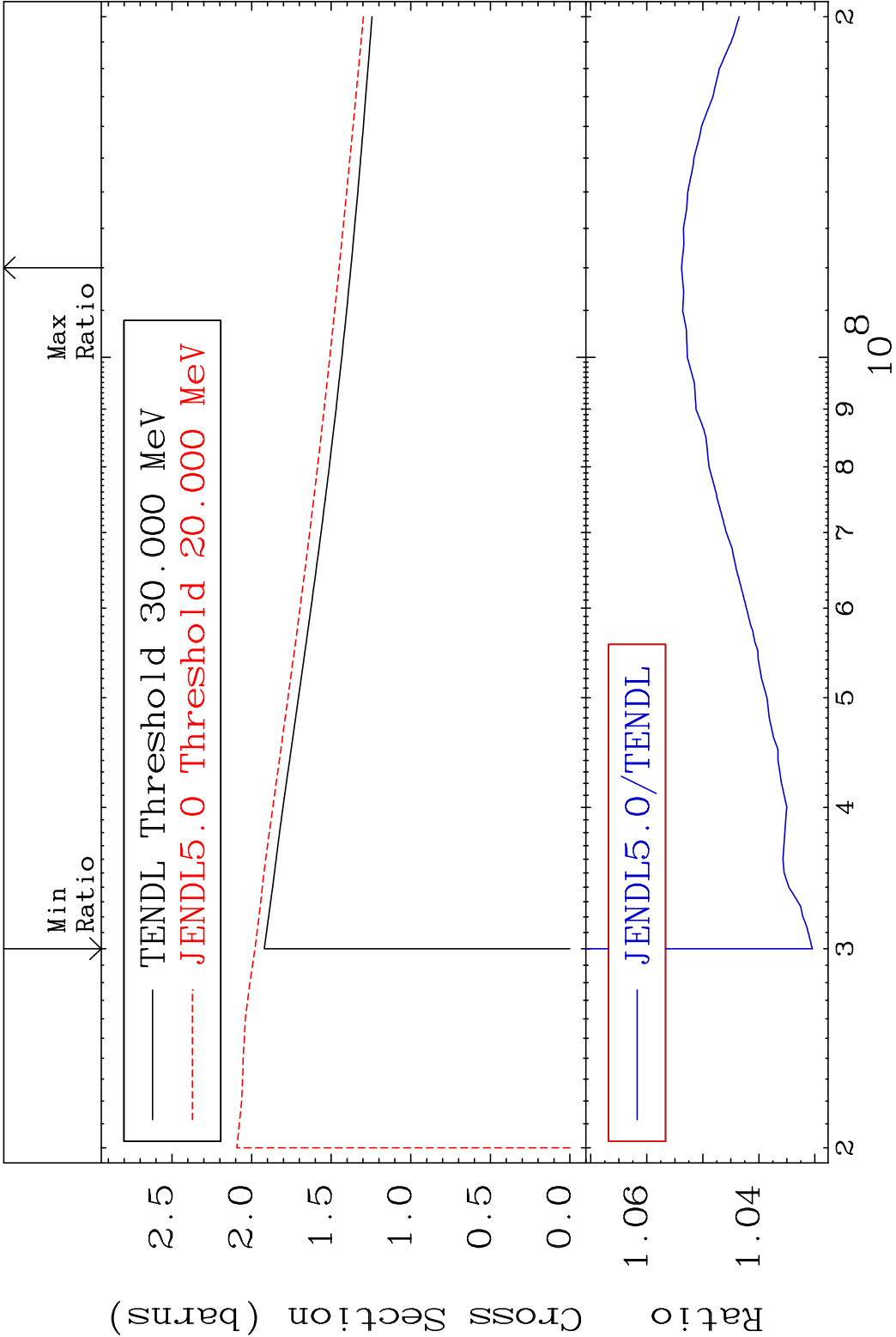
Press Mouse Button to Start

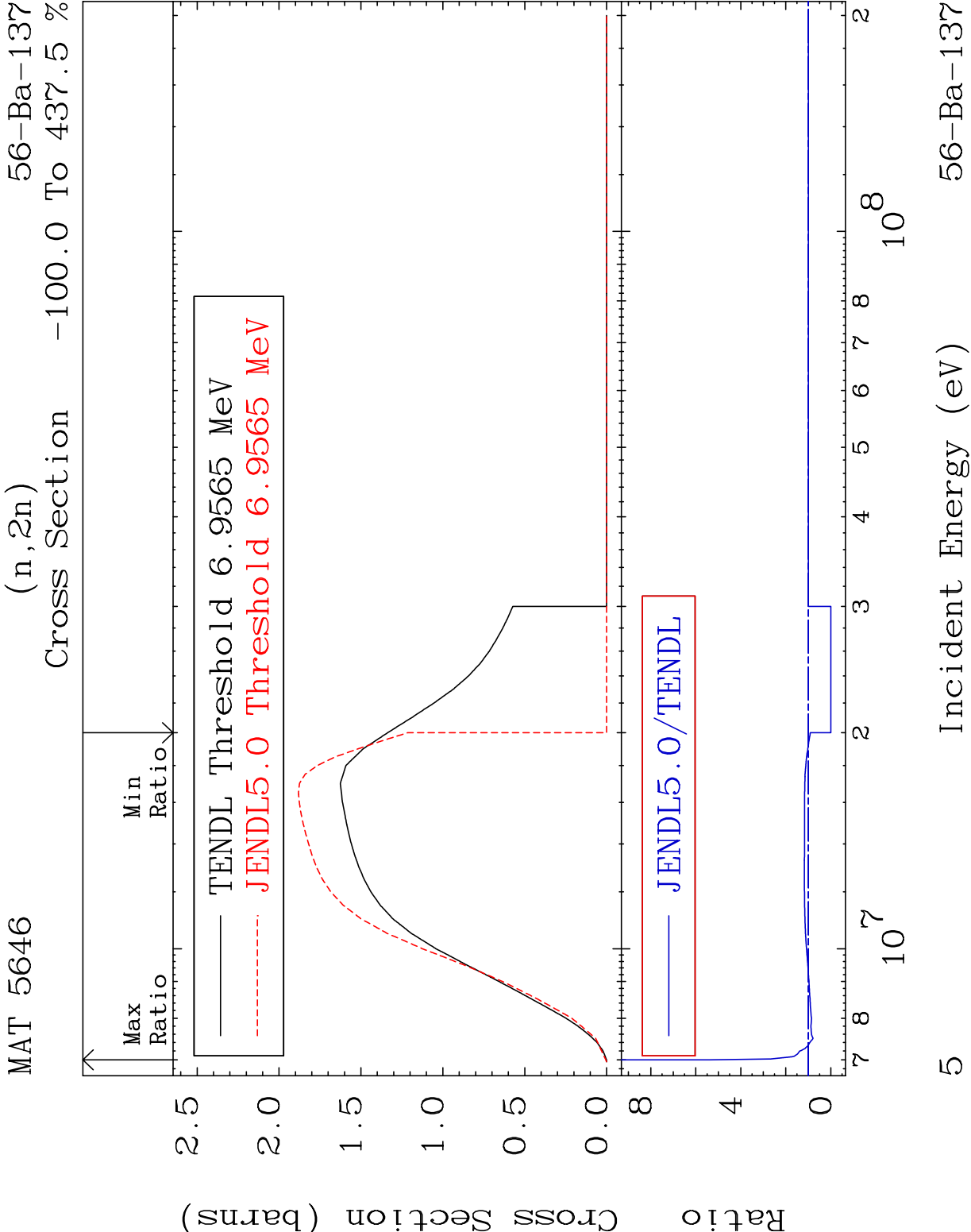


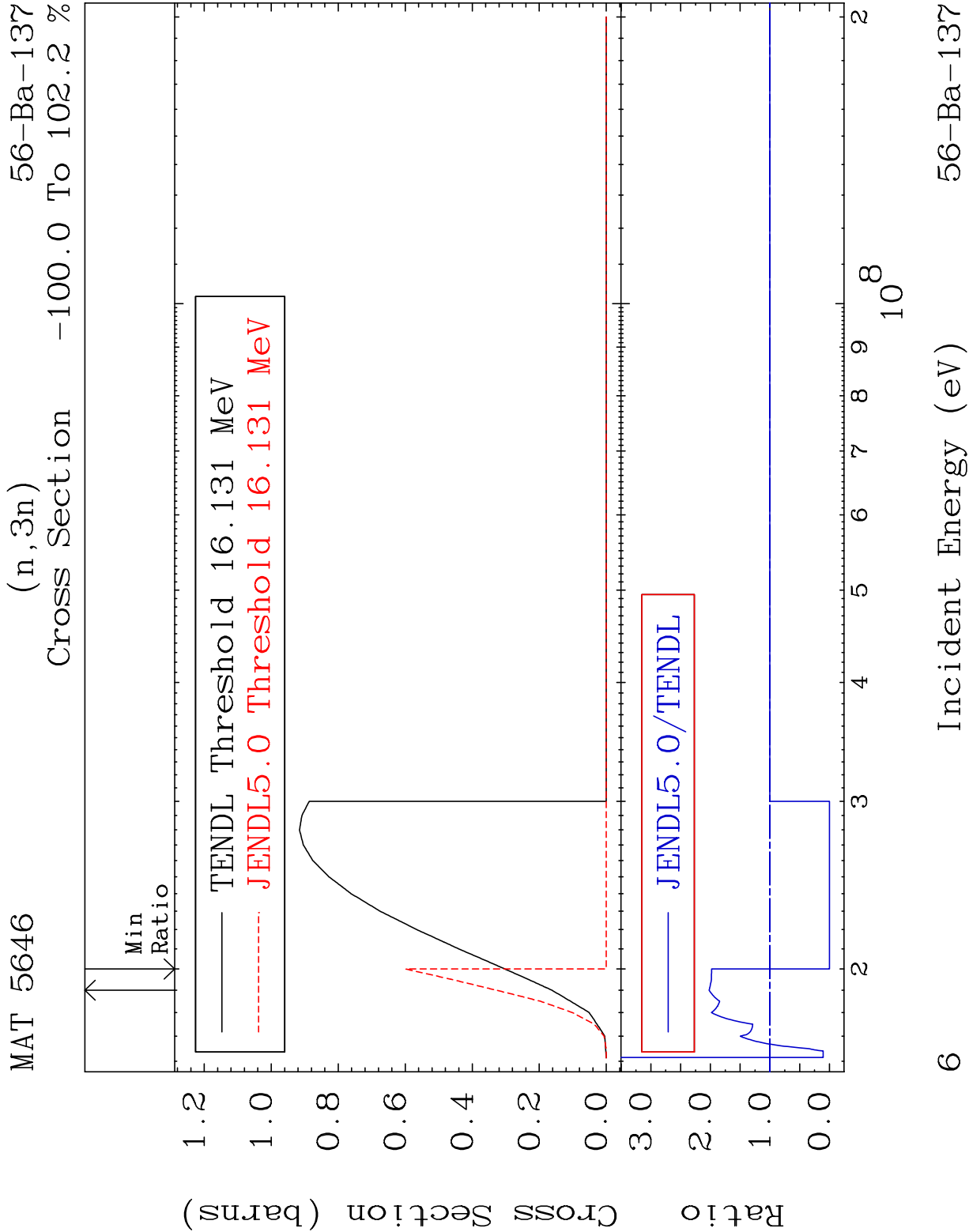


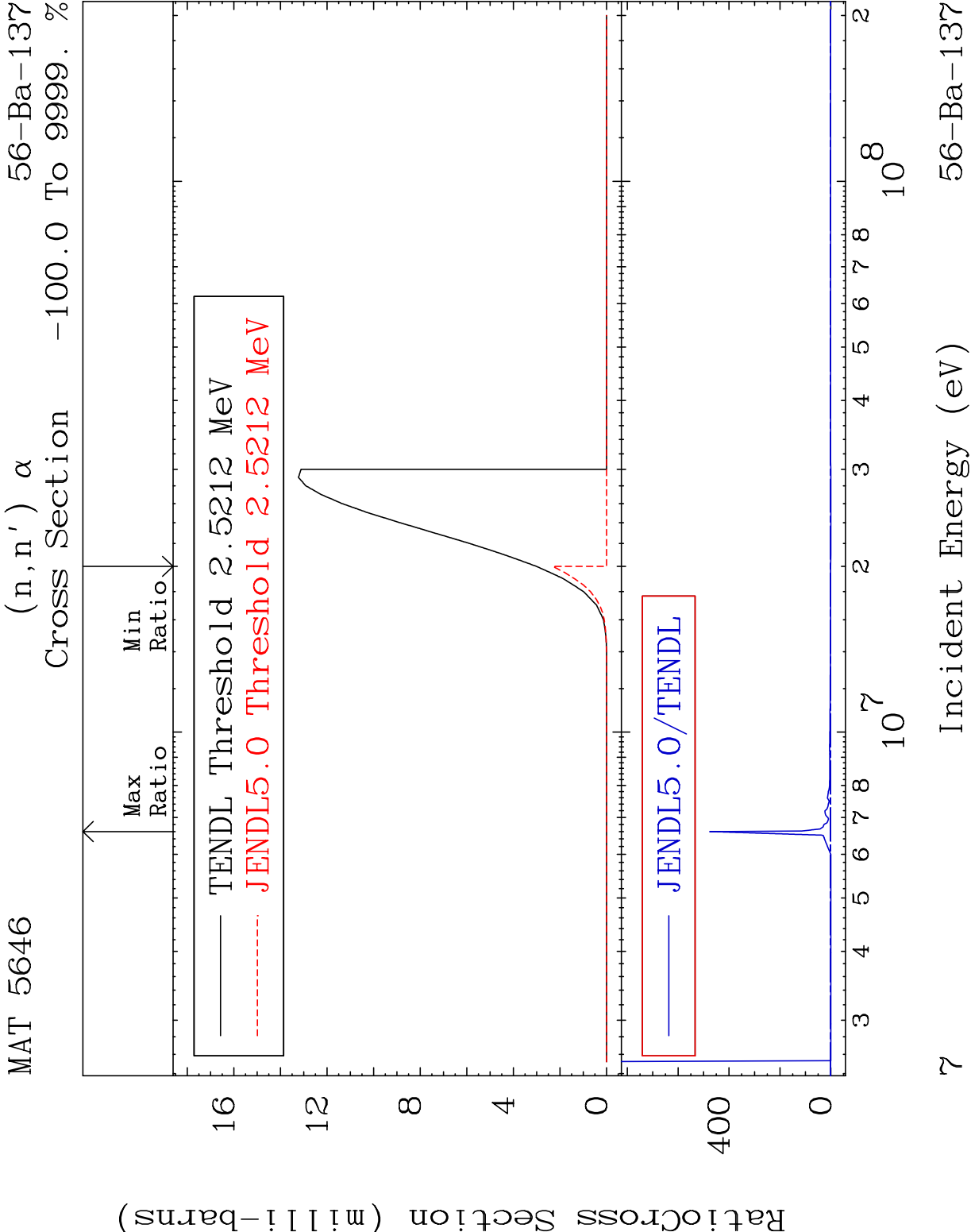


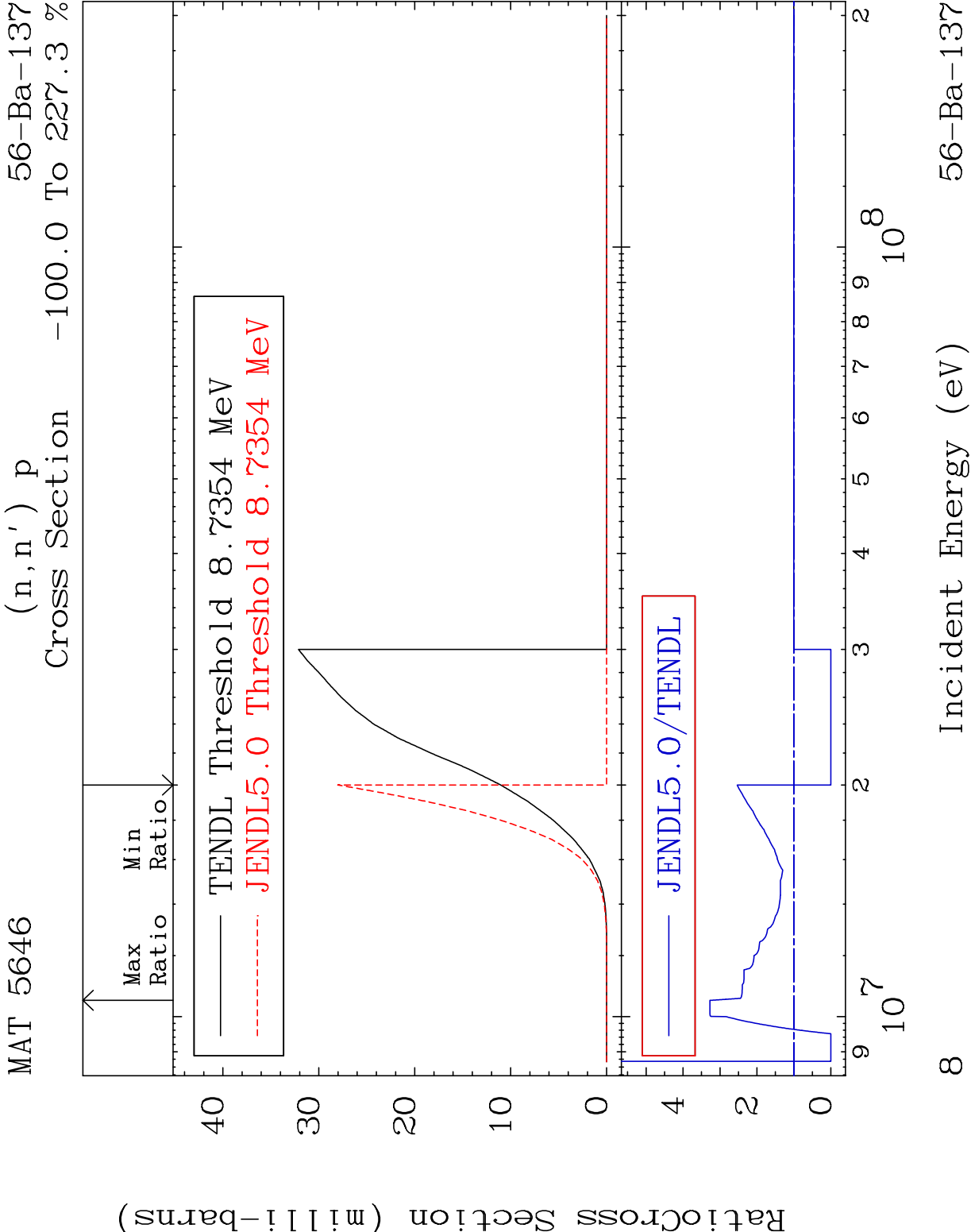
MAT 5646 (n, remainder) 56-Ba-137
Cross Section 3.047 To 5.380 %

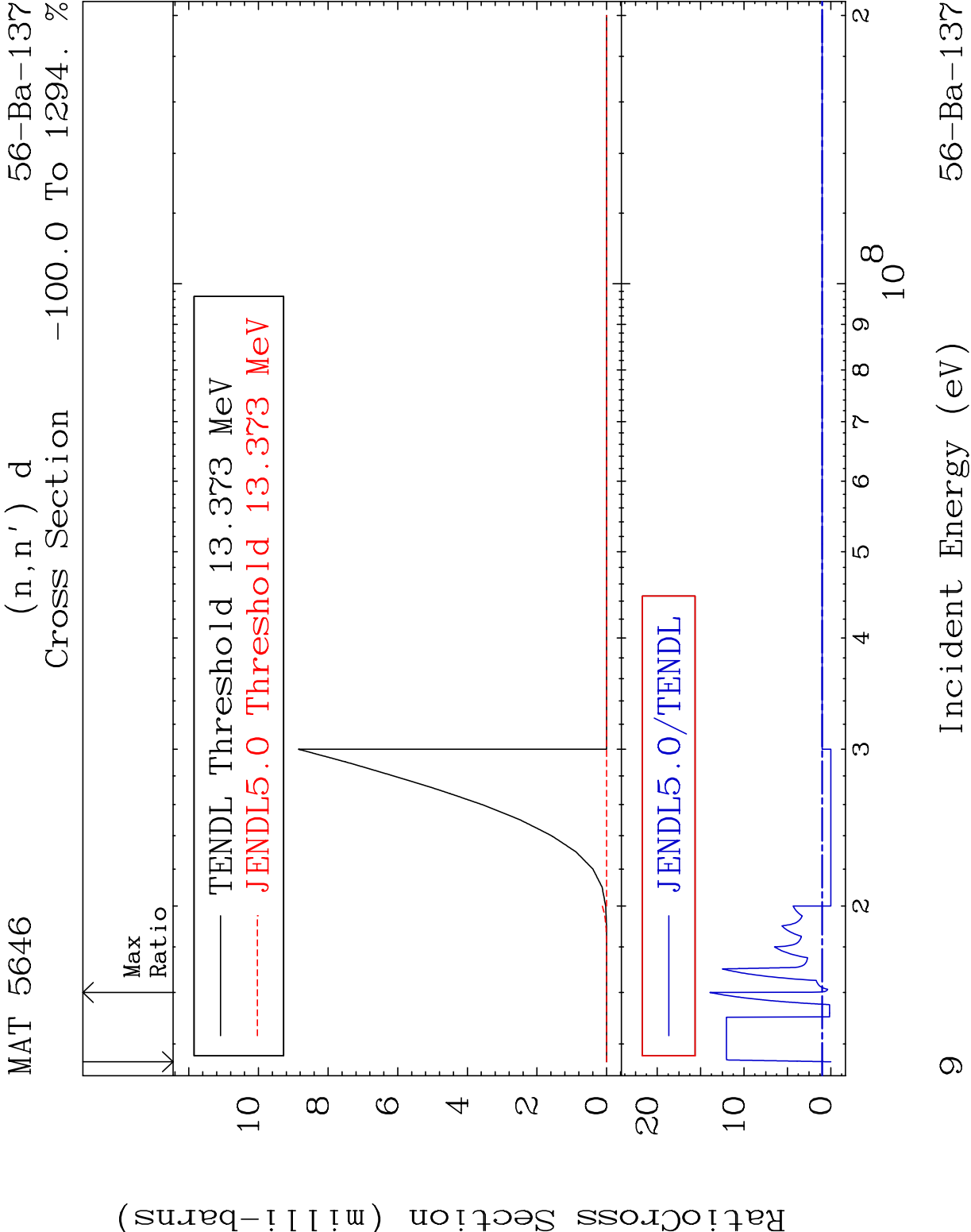


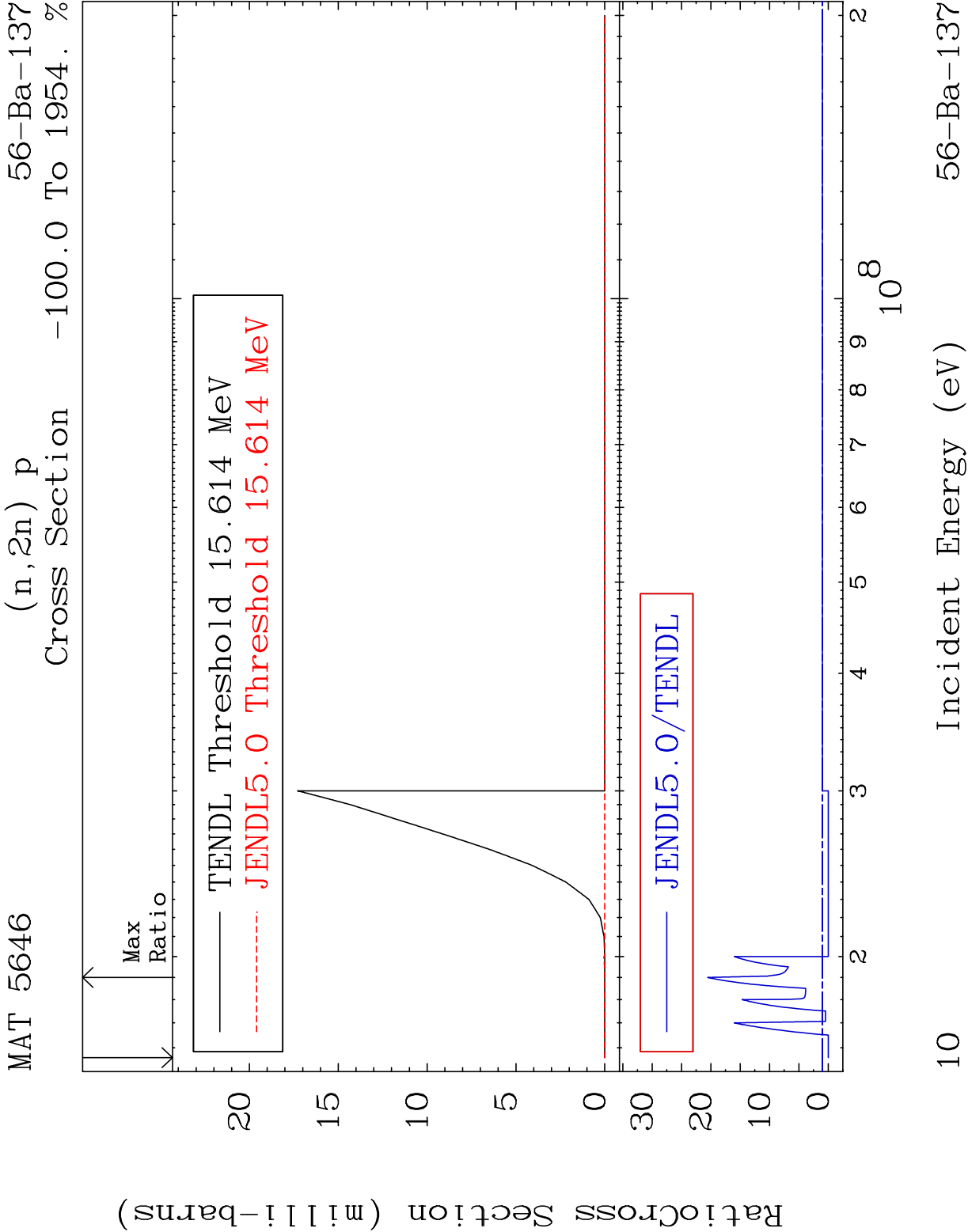


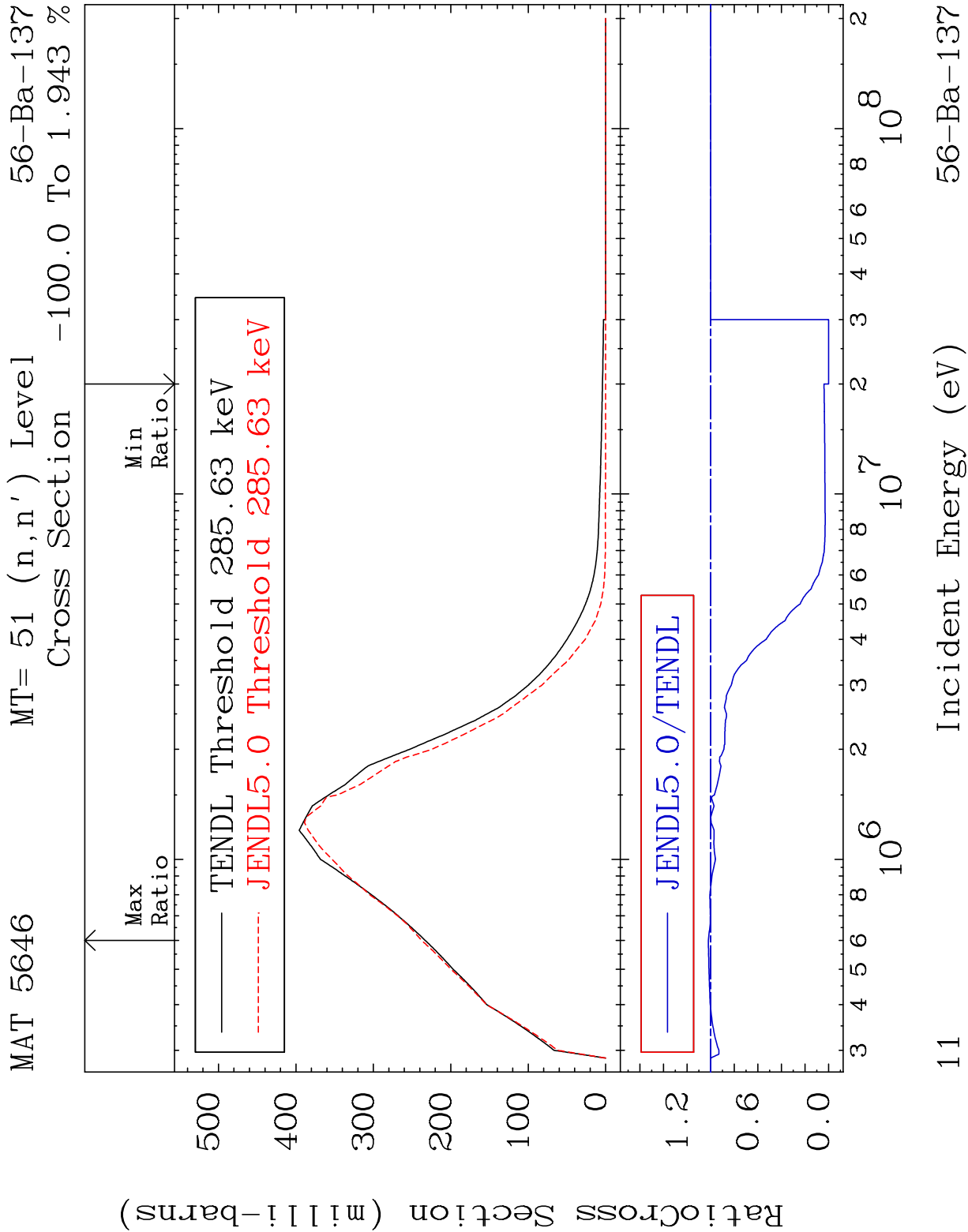






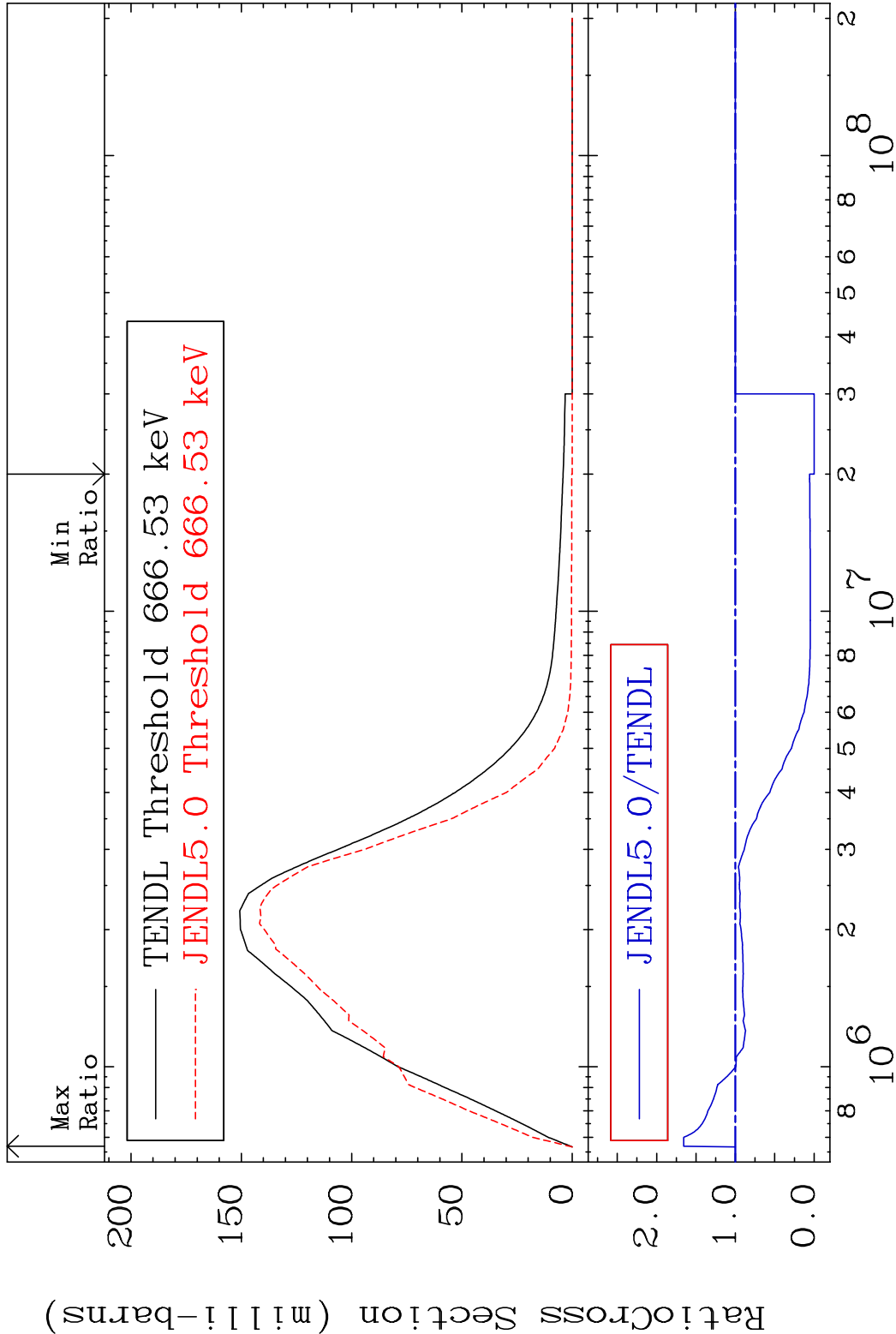




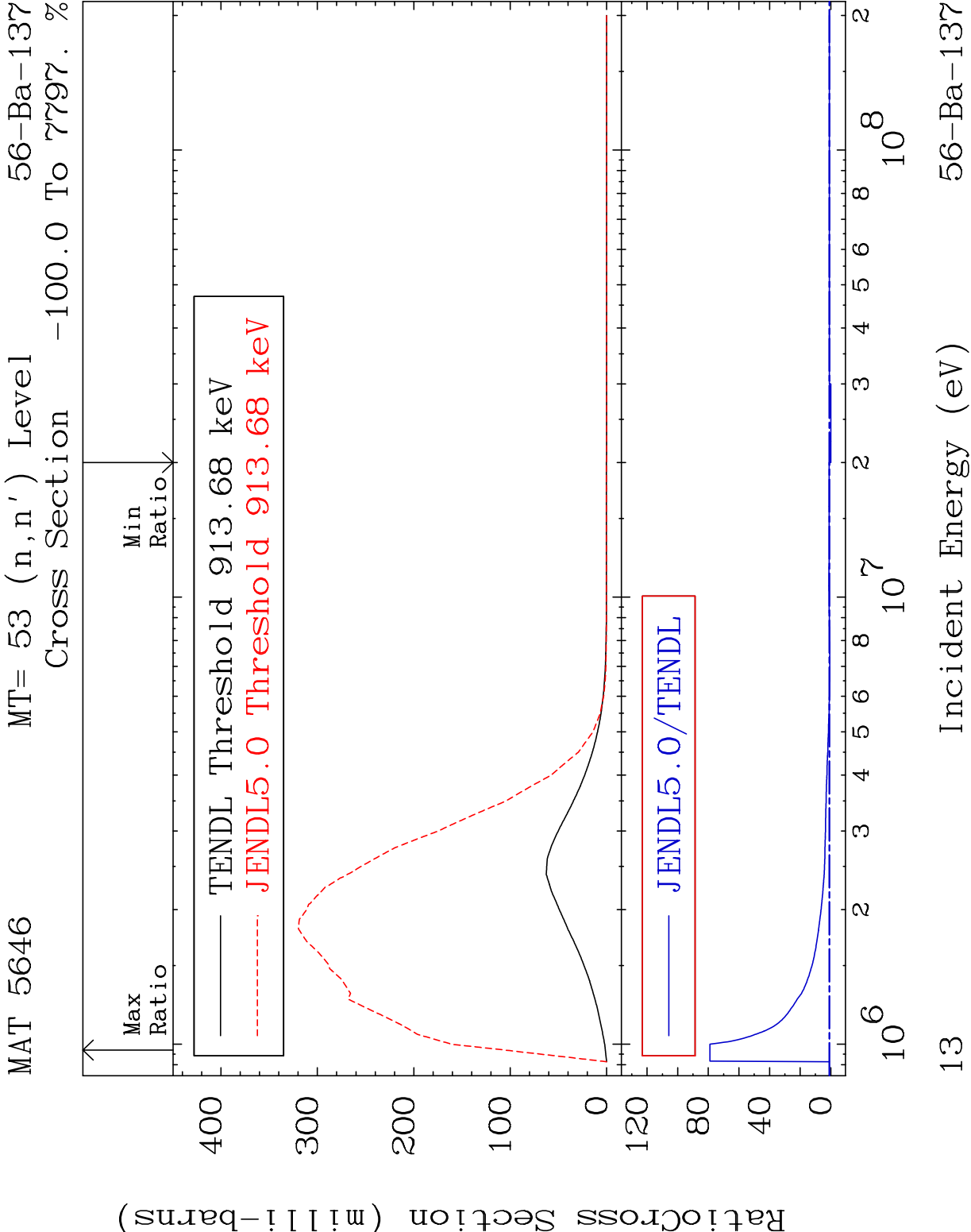


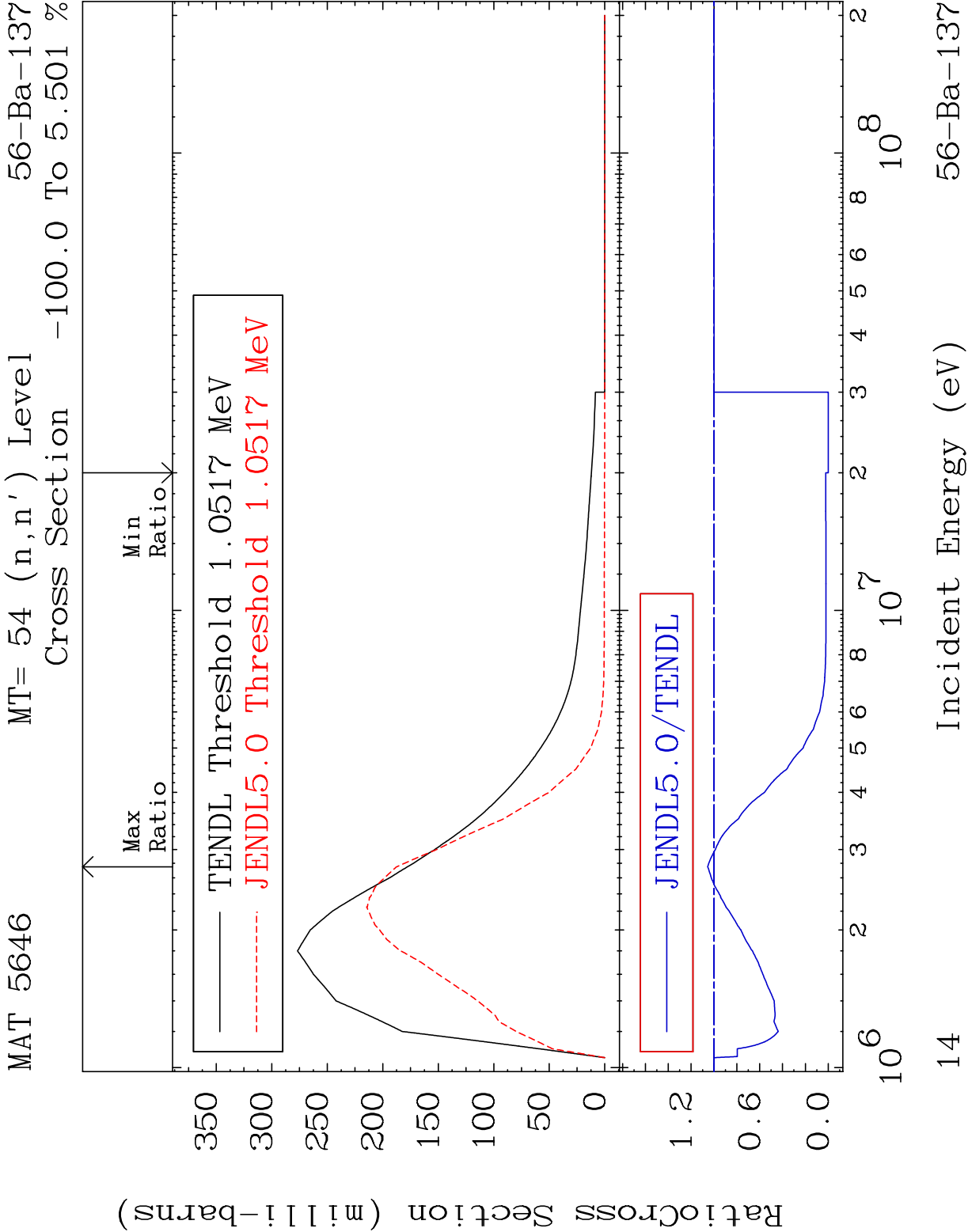
MAT 5646 MT= 52 (n,n') Level 56-Ba-137

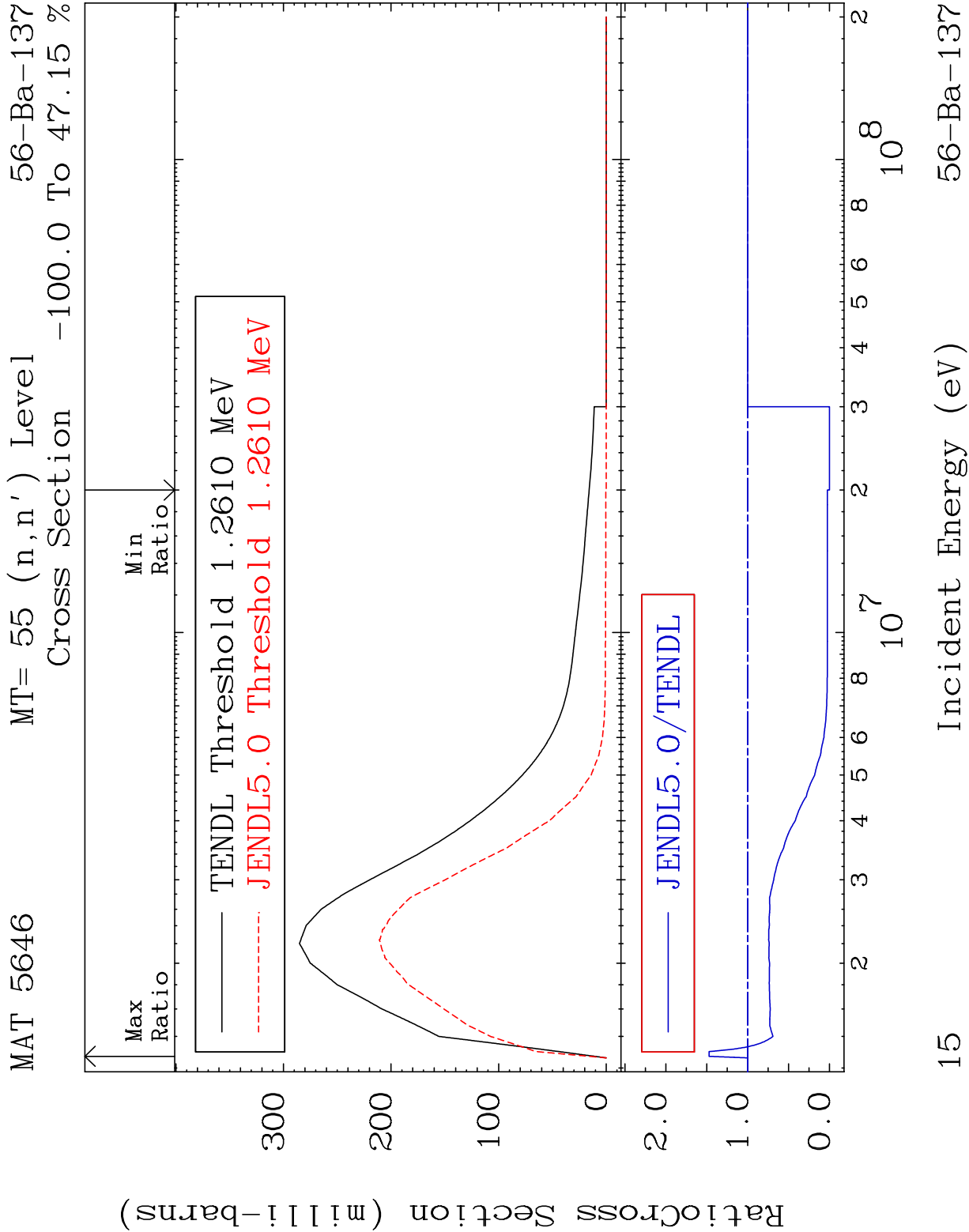
Cross Section -100.0 To 65.68 %



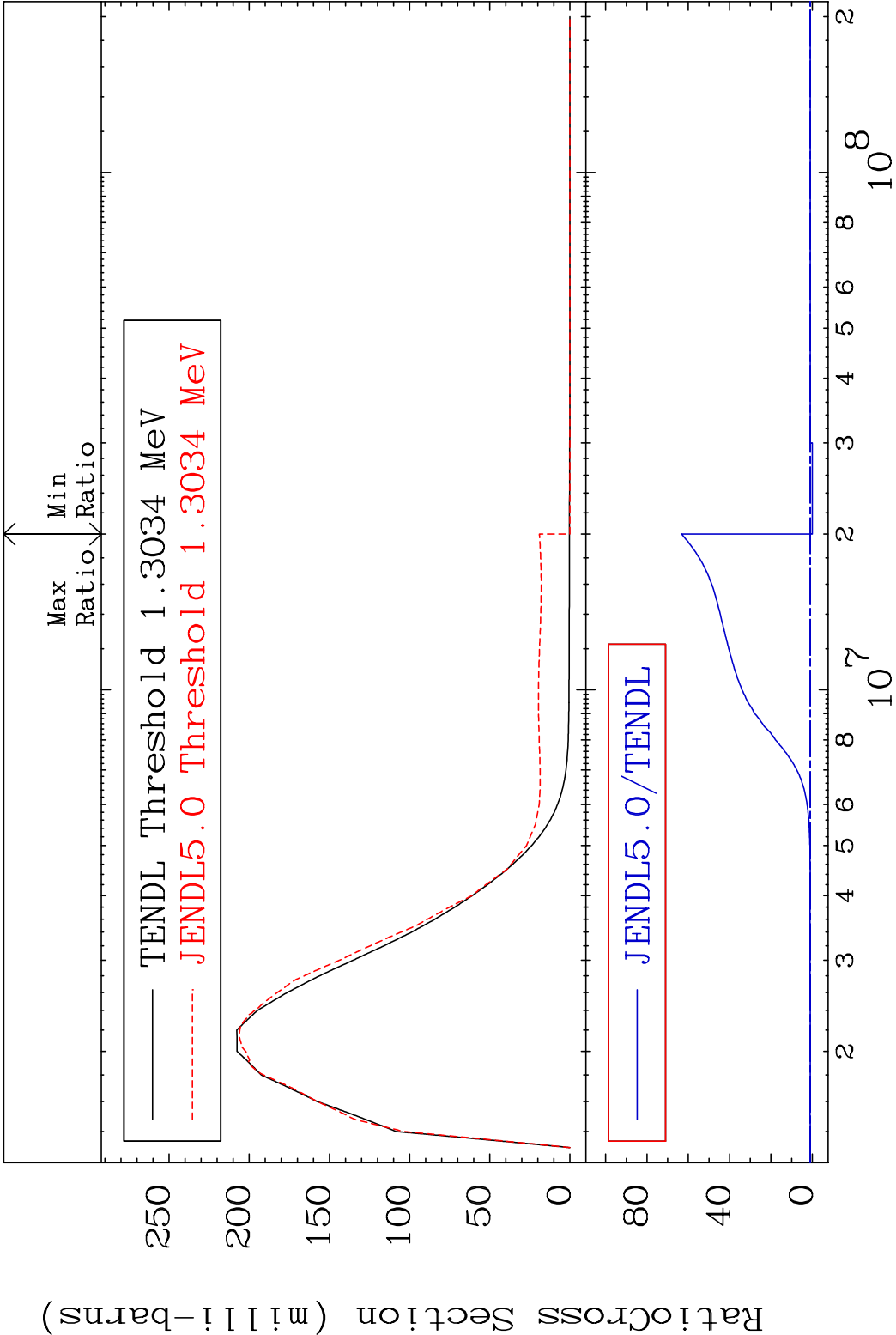
12 Incident Energy (eV) 56-Ba-137



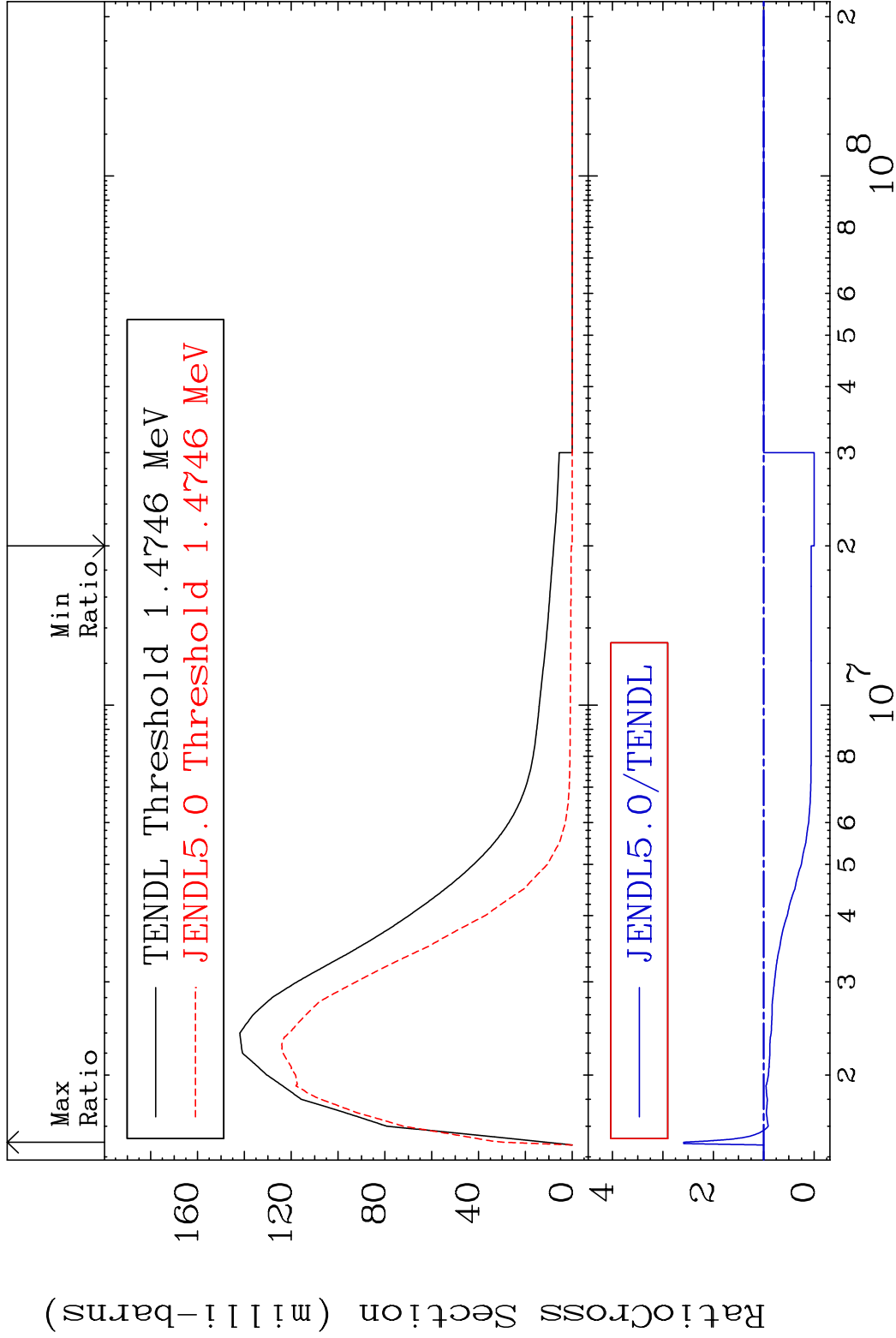


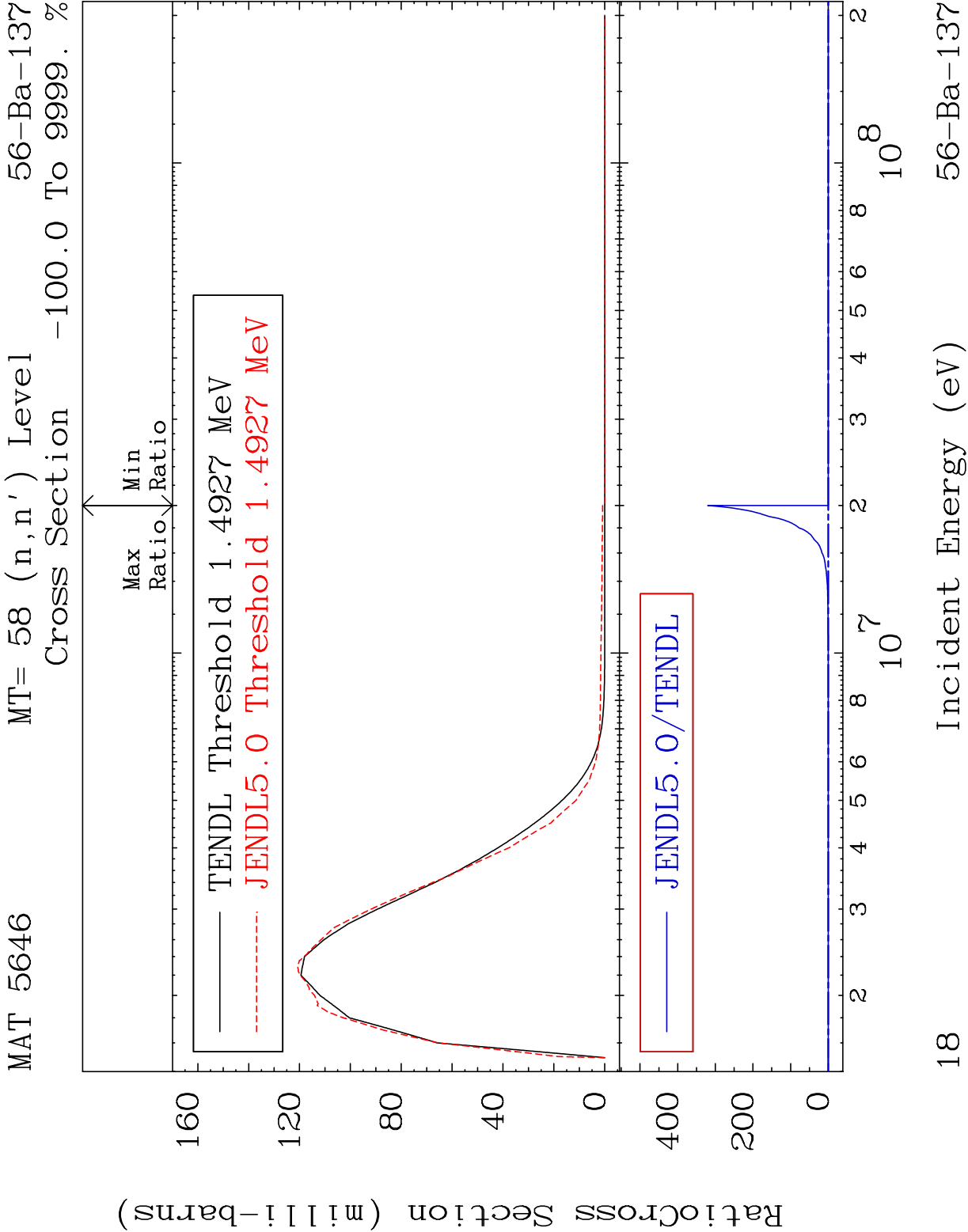


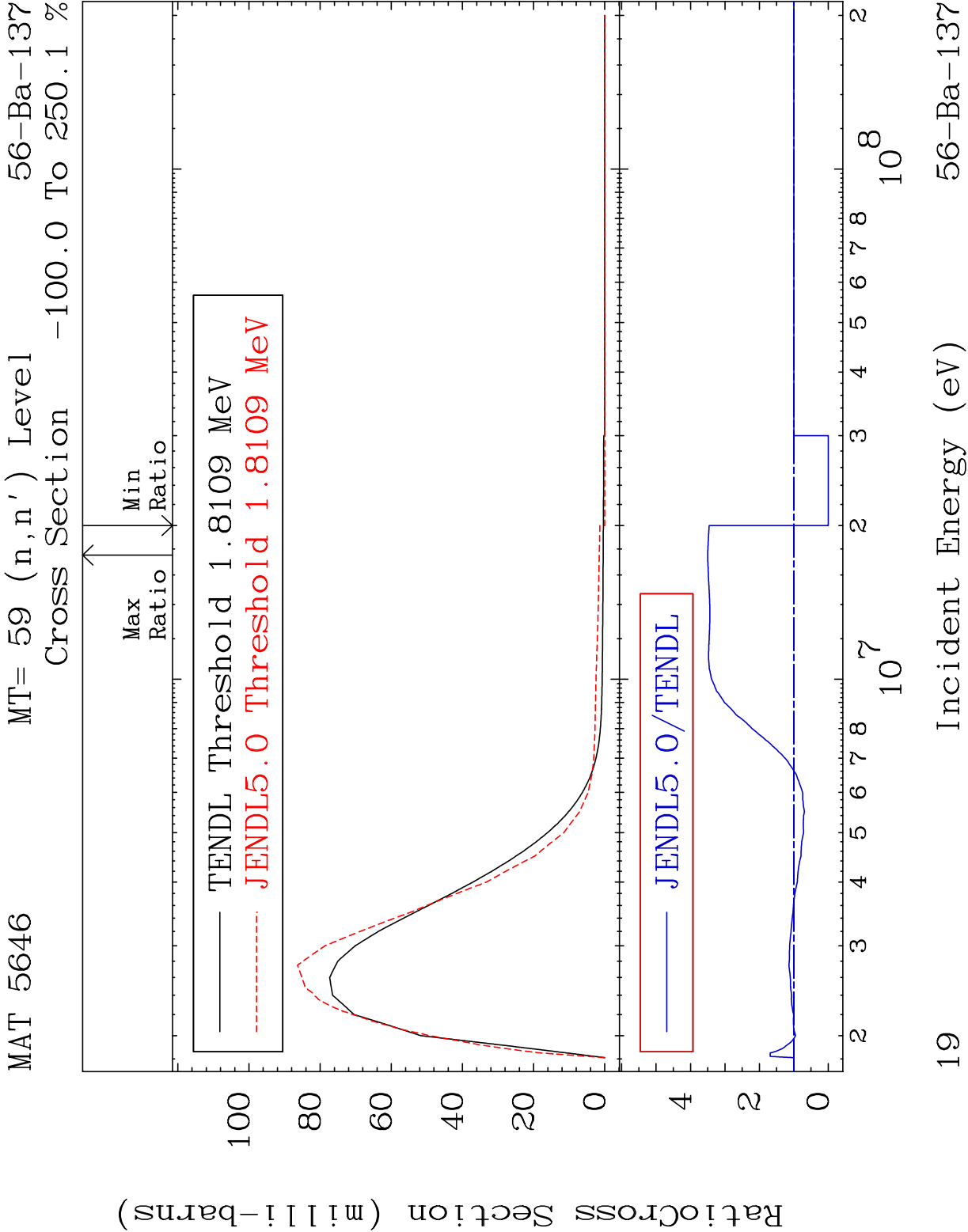
MAT 5646 MT= 56 (n,n') Level 56-Ba-137
Cross Section -100.0 To 6227. %

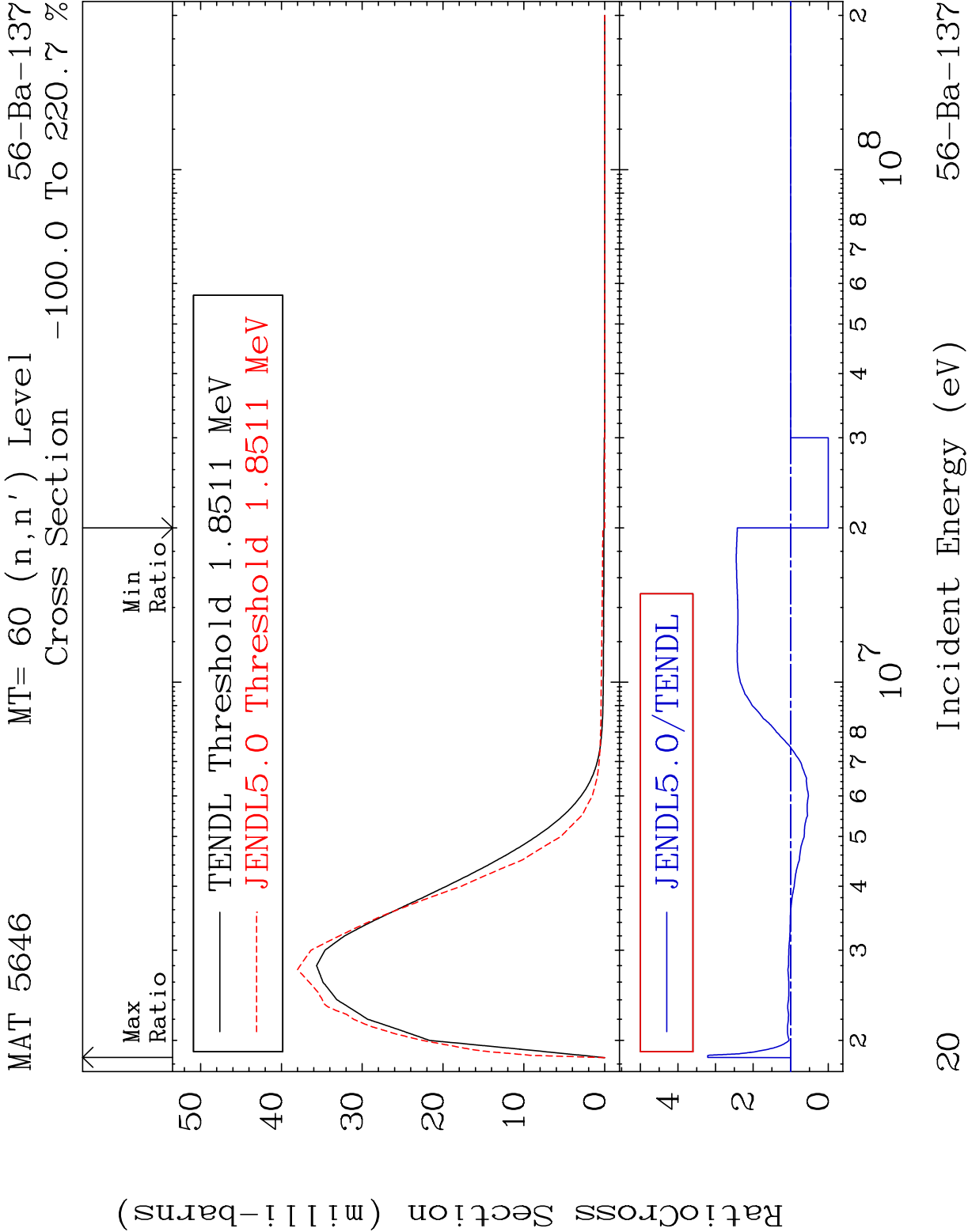


MAT 5646 MT= 57 (n,n') Level 56-Ba-137
Cross Section -100.0 To 158.8 %

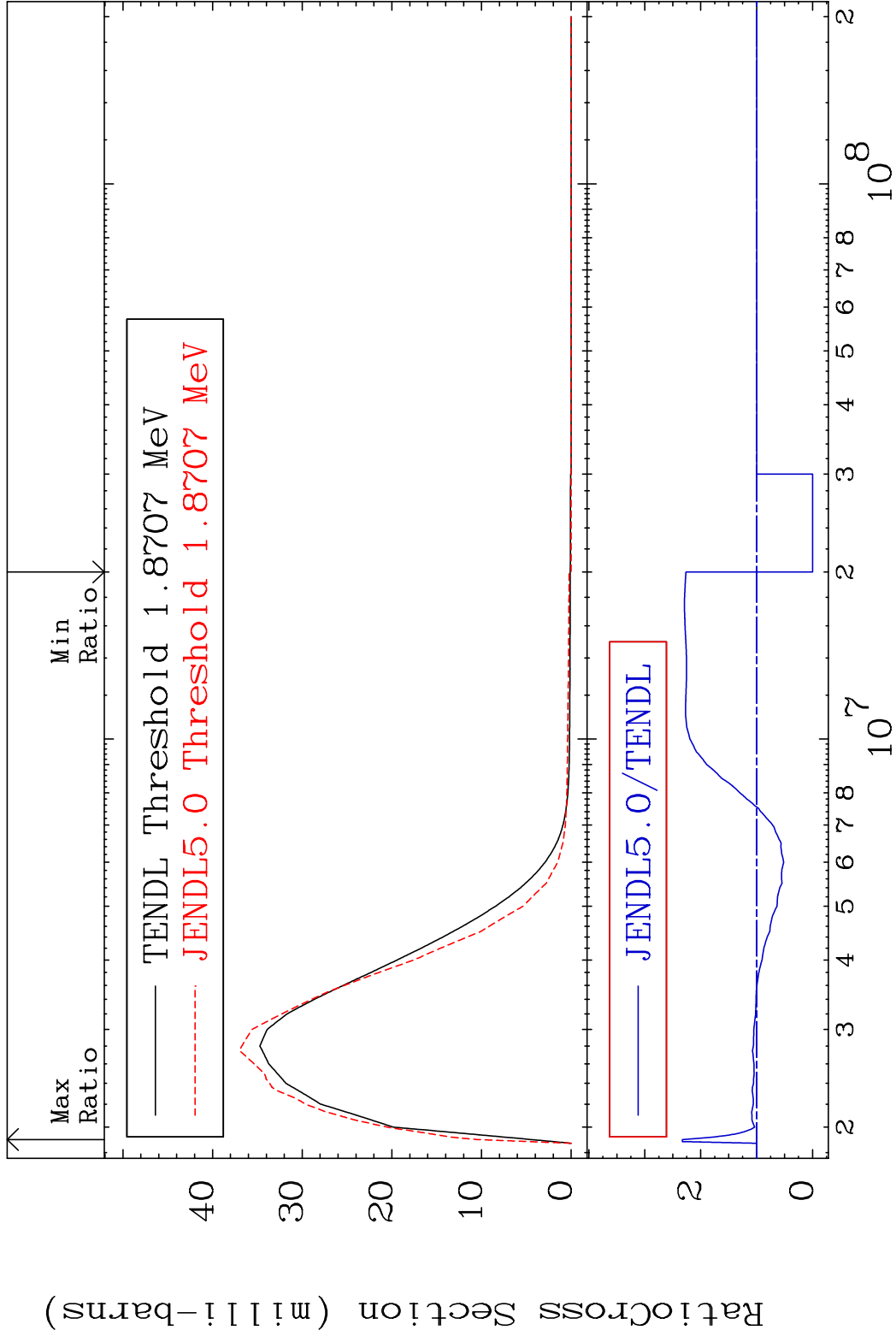




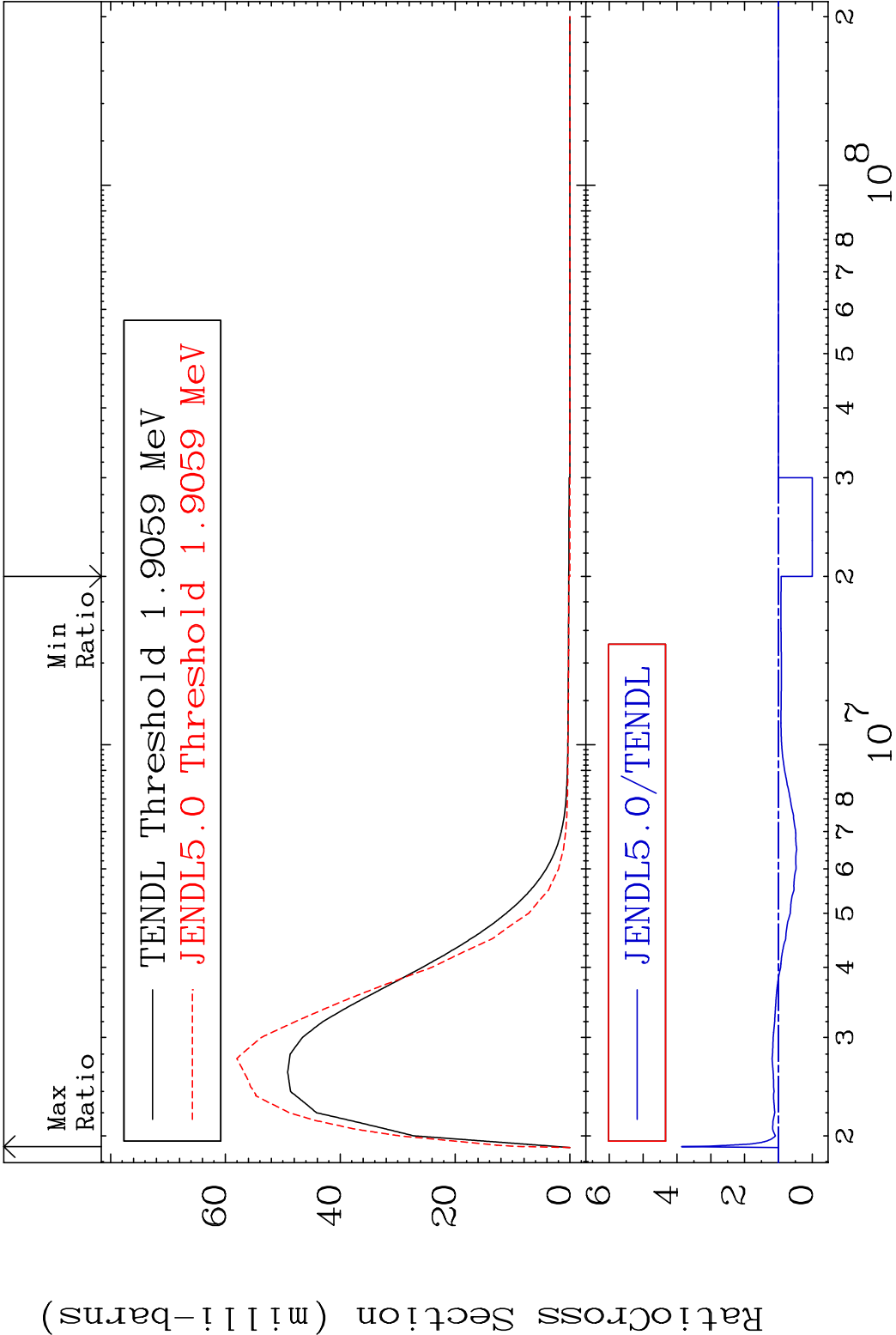




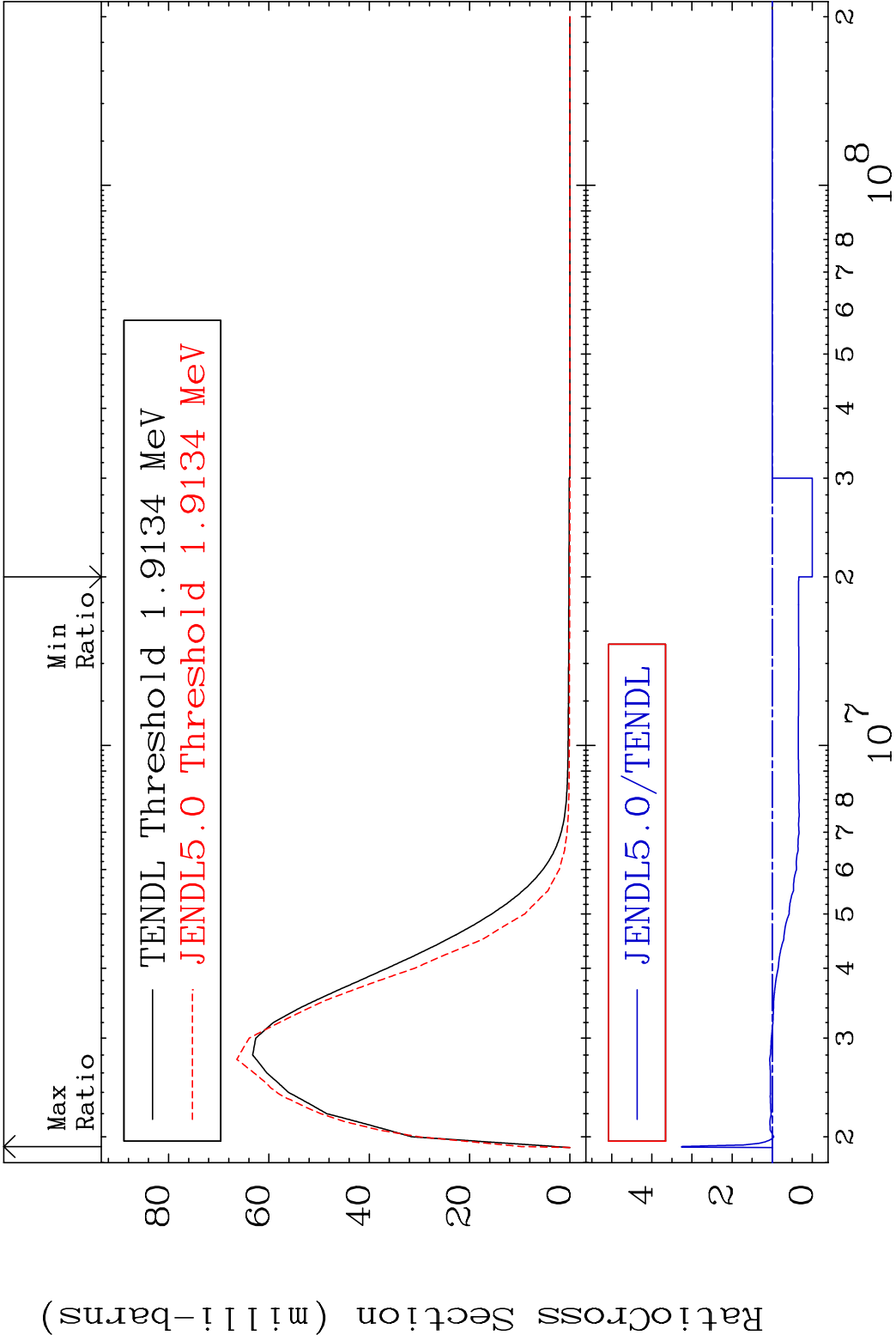
MAT 5646 MT= 61 (n,n') Level 56-Ba-137
Cross Section -100.0 To 132.9 %

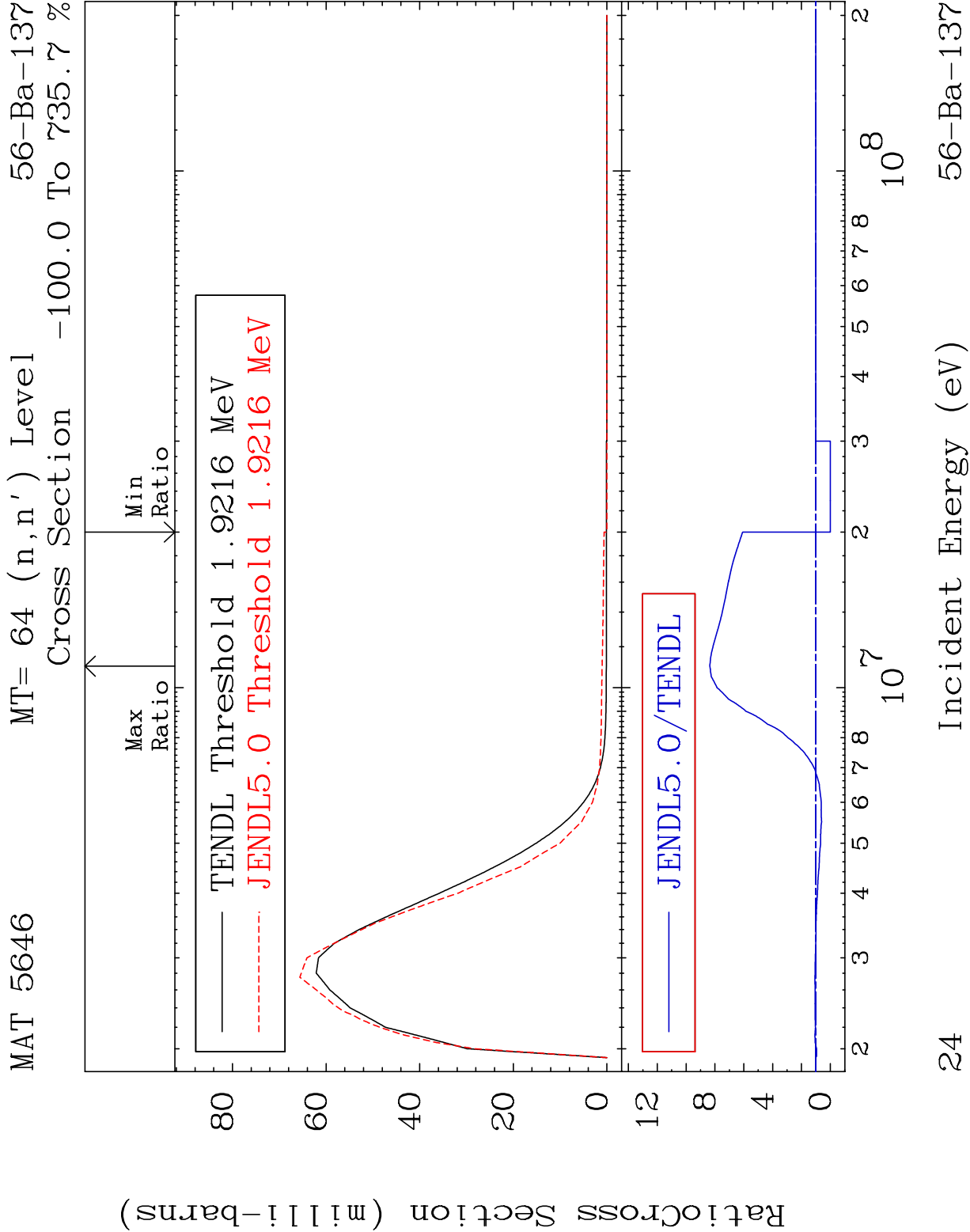


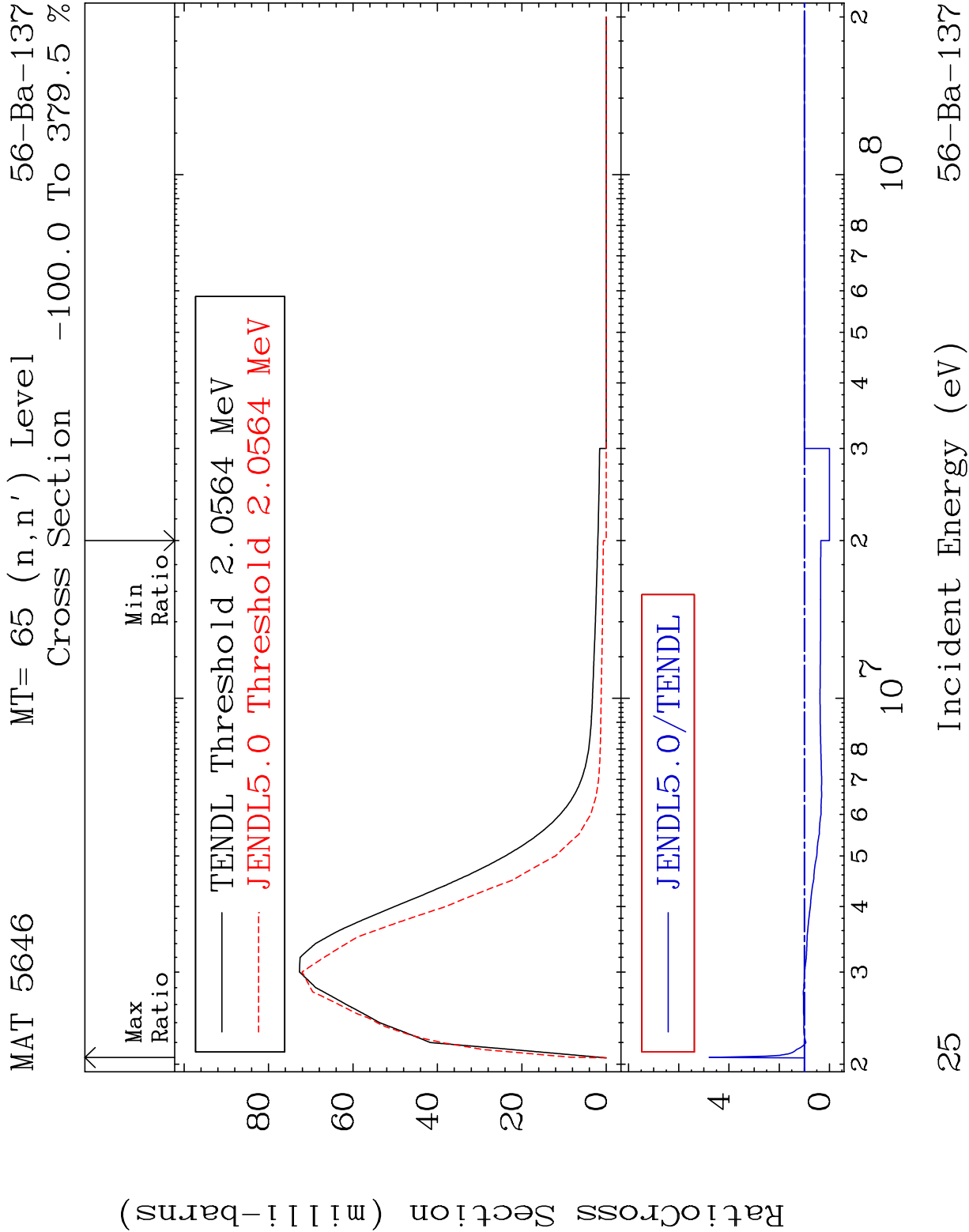
MAT 5646 MT= 62 (n,n') Level 56-Ba-137
Cross Section -100.0 To 286.5 %

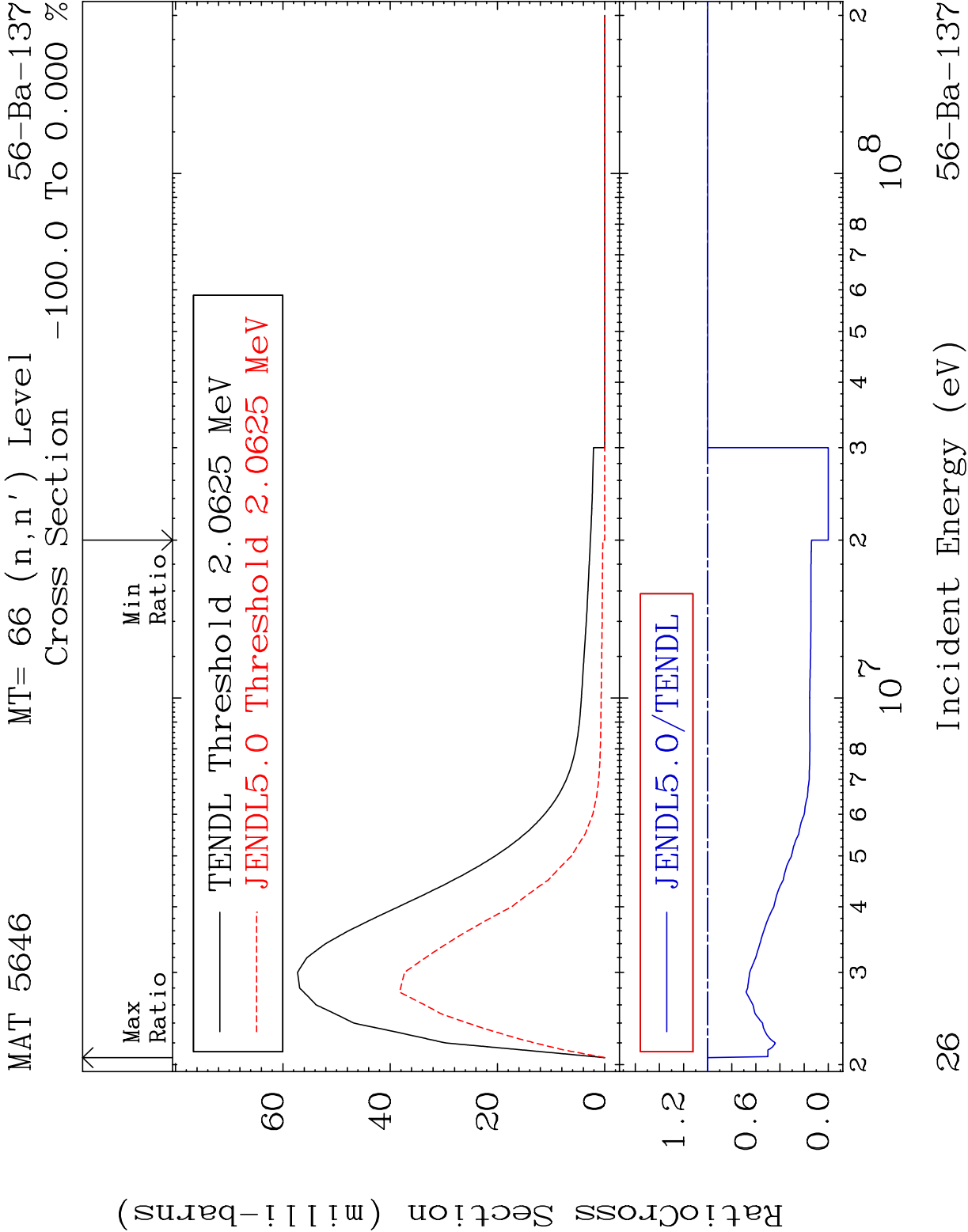


MAT 5646	MT= 63 (n,n')	Level	56-Ba-137
	Cross Section	-100.0 To 226.0 %	







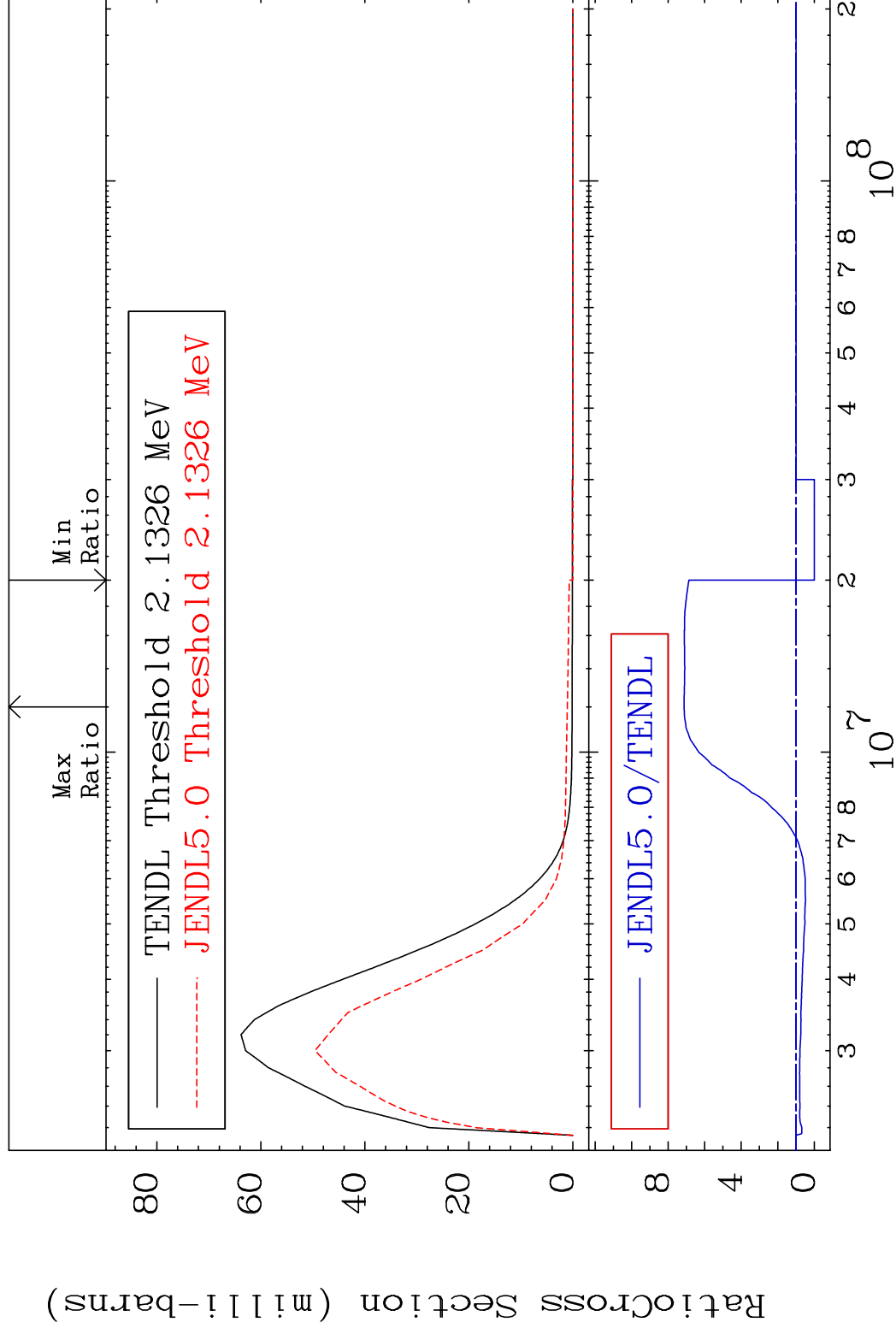


MAT 5646

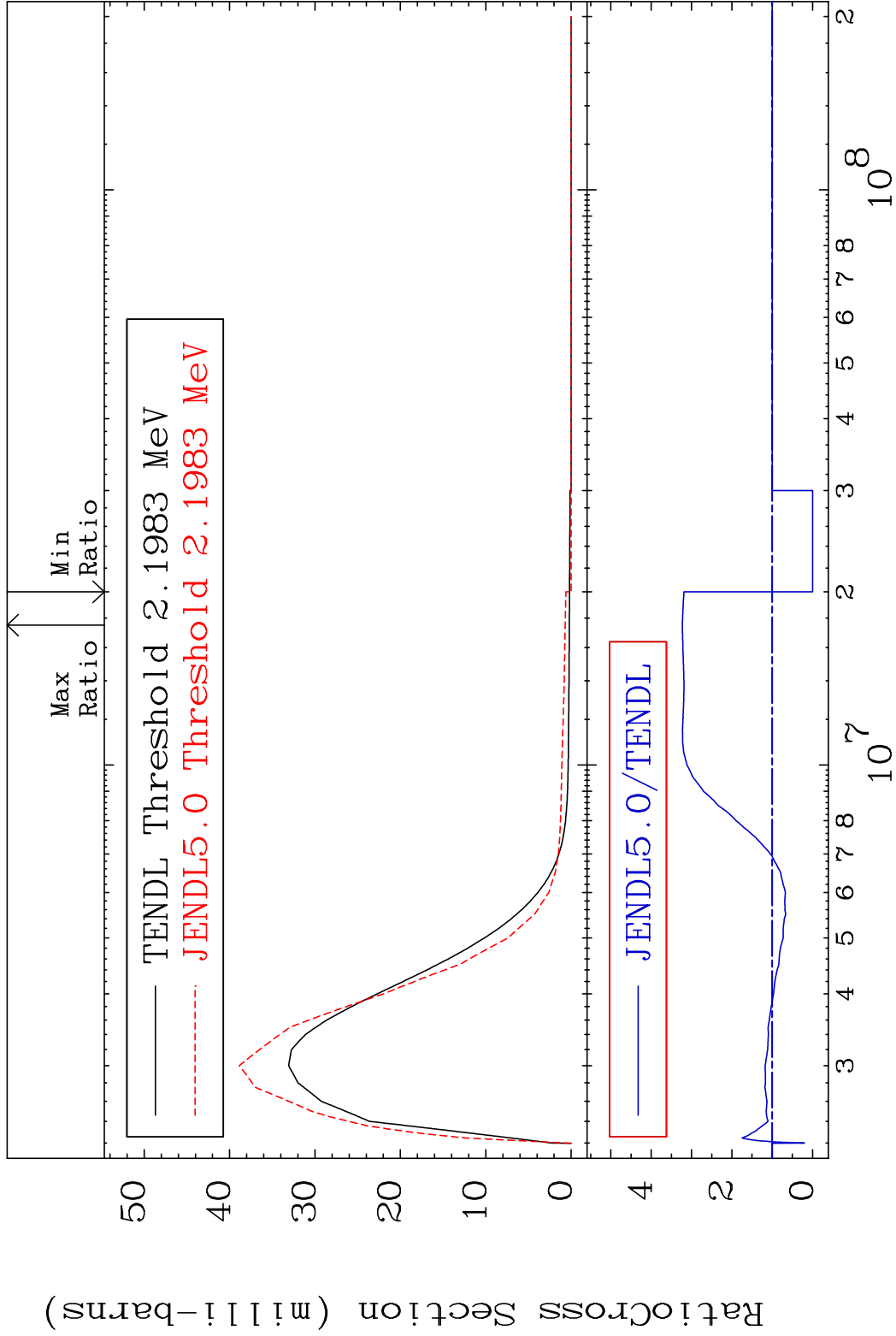
MT= 67 (n, n') Level

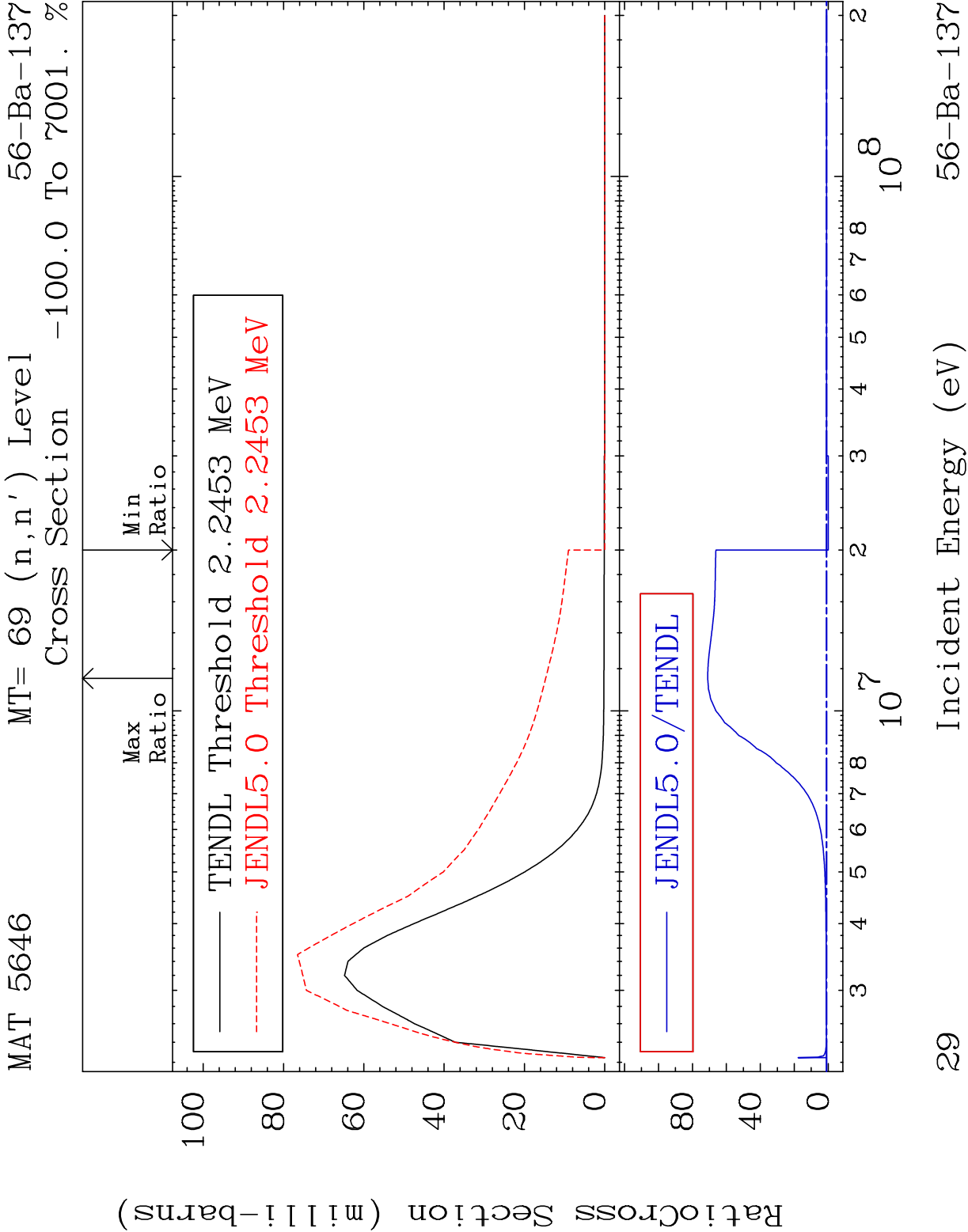
56-Ba-137

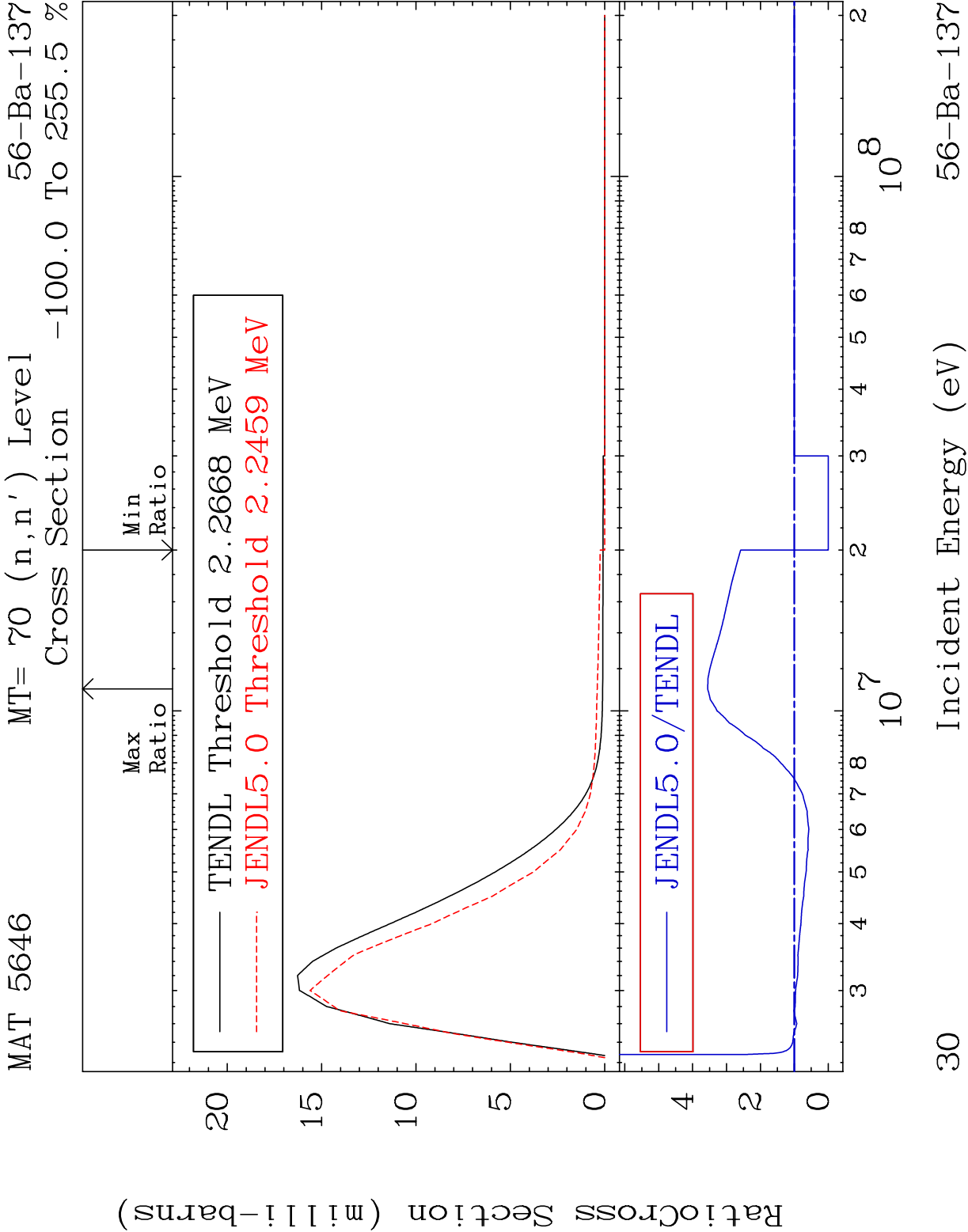
Cross Section -100.0 To 612.8 %

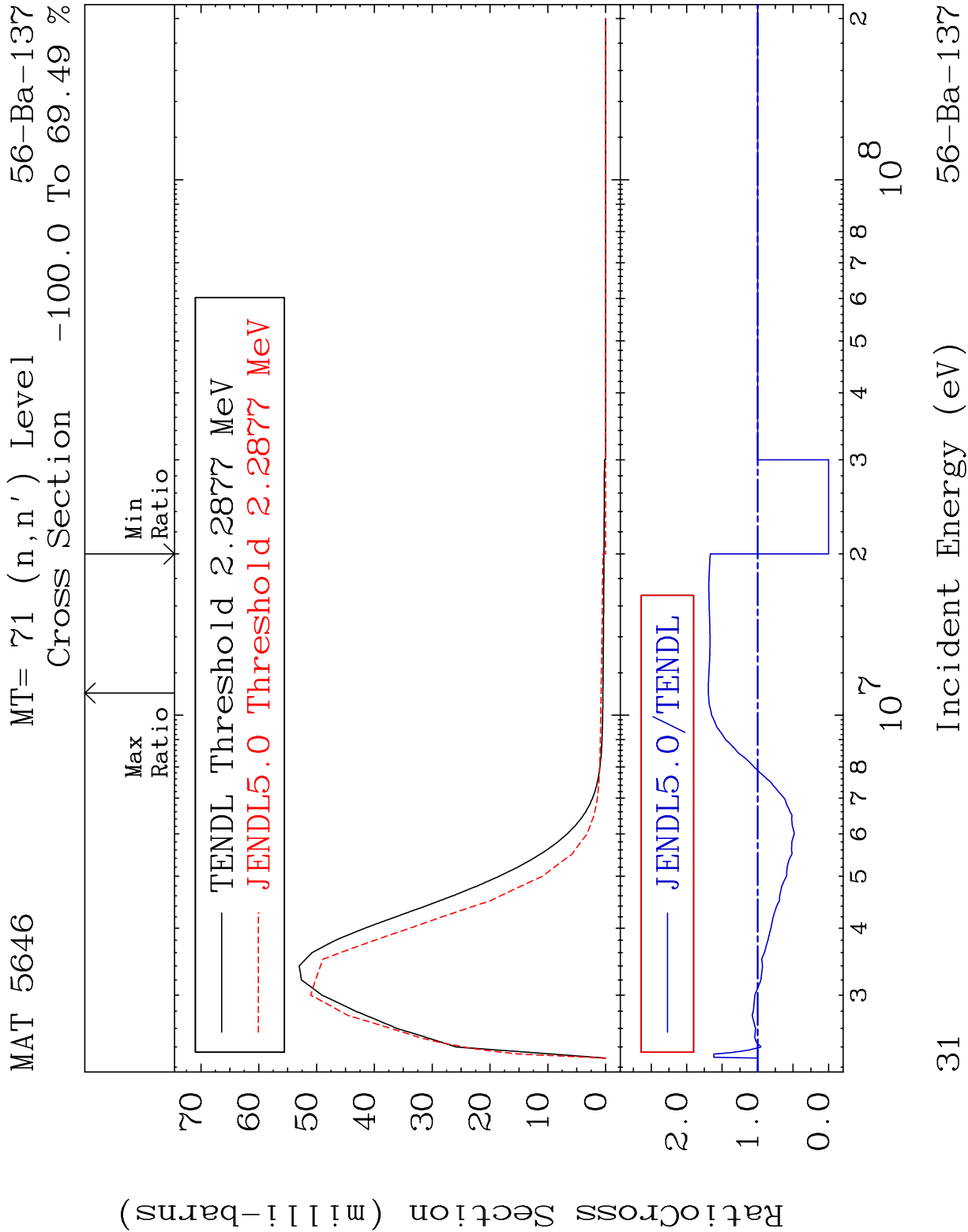


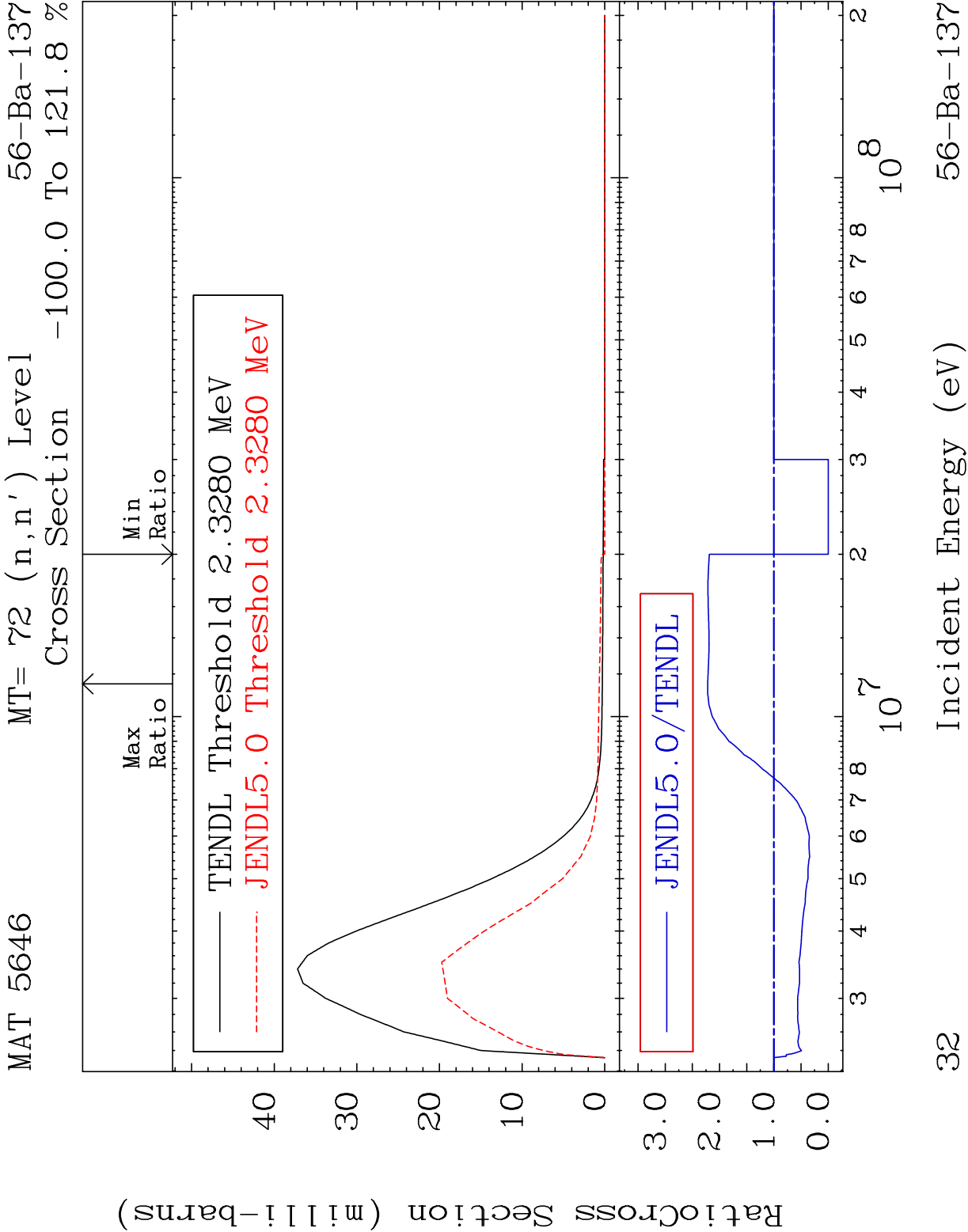
MAT 5646 MT= 68 (n,n') Level 56-Ba-137
Cross Section -100.0 To 222.8 %



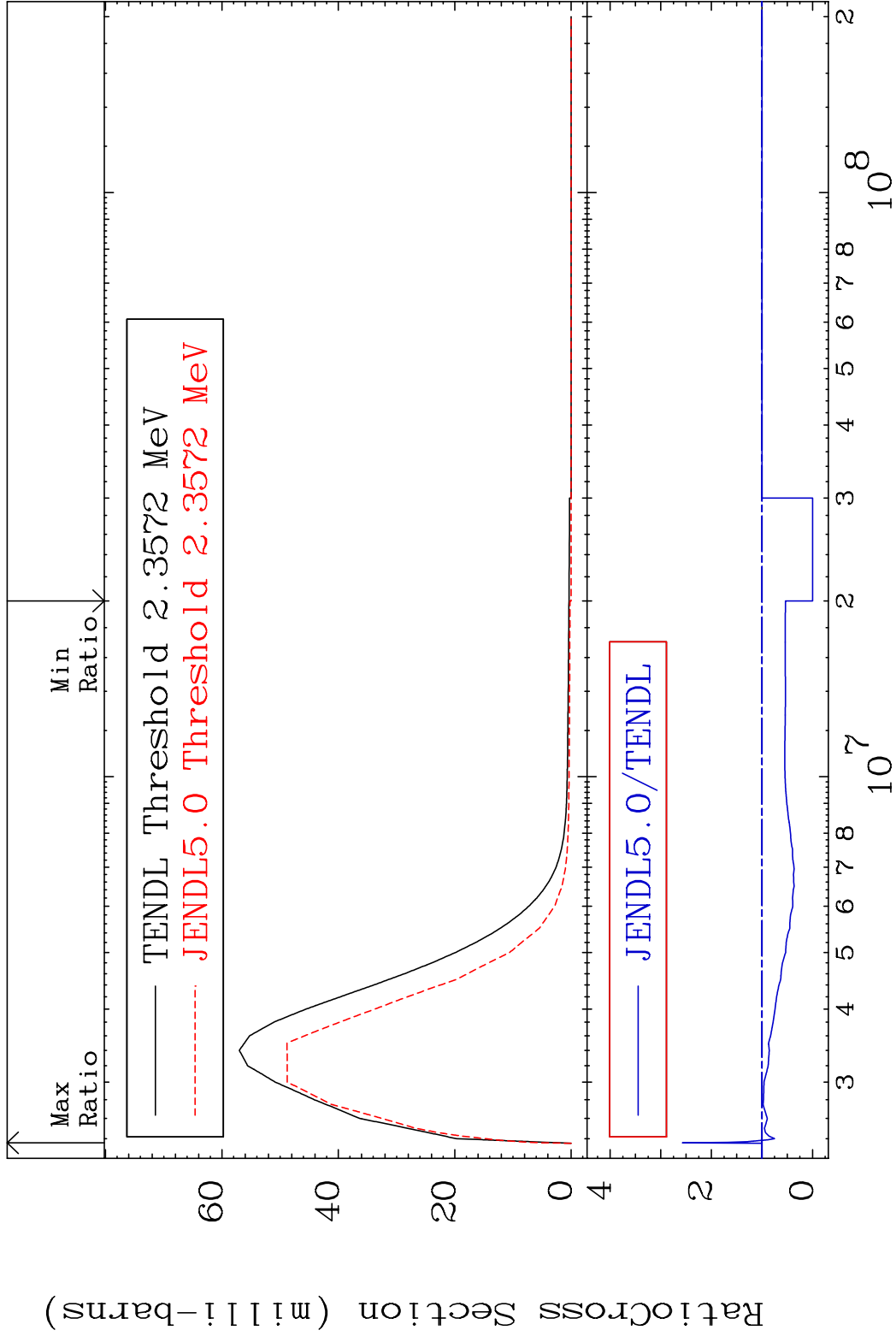




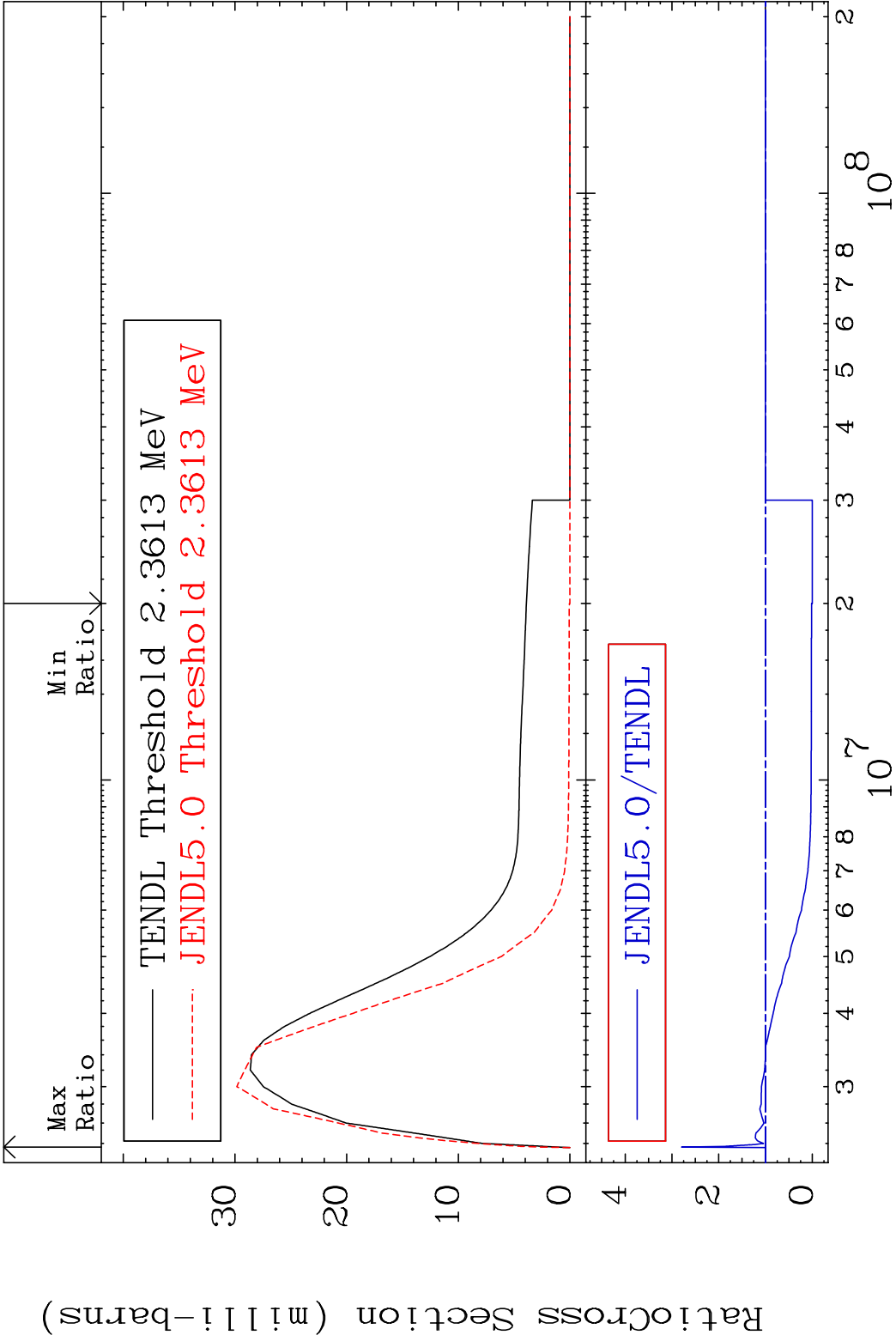




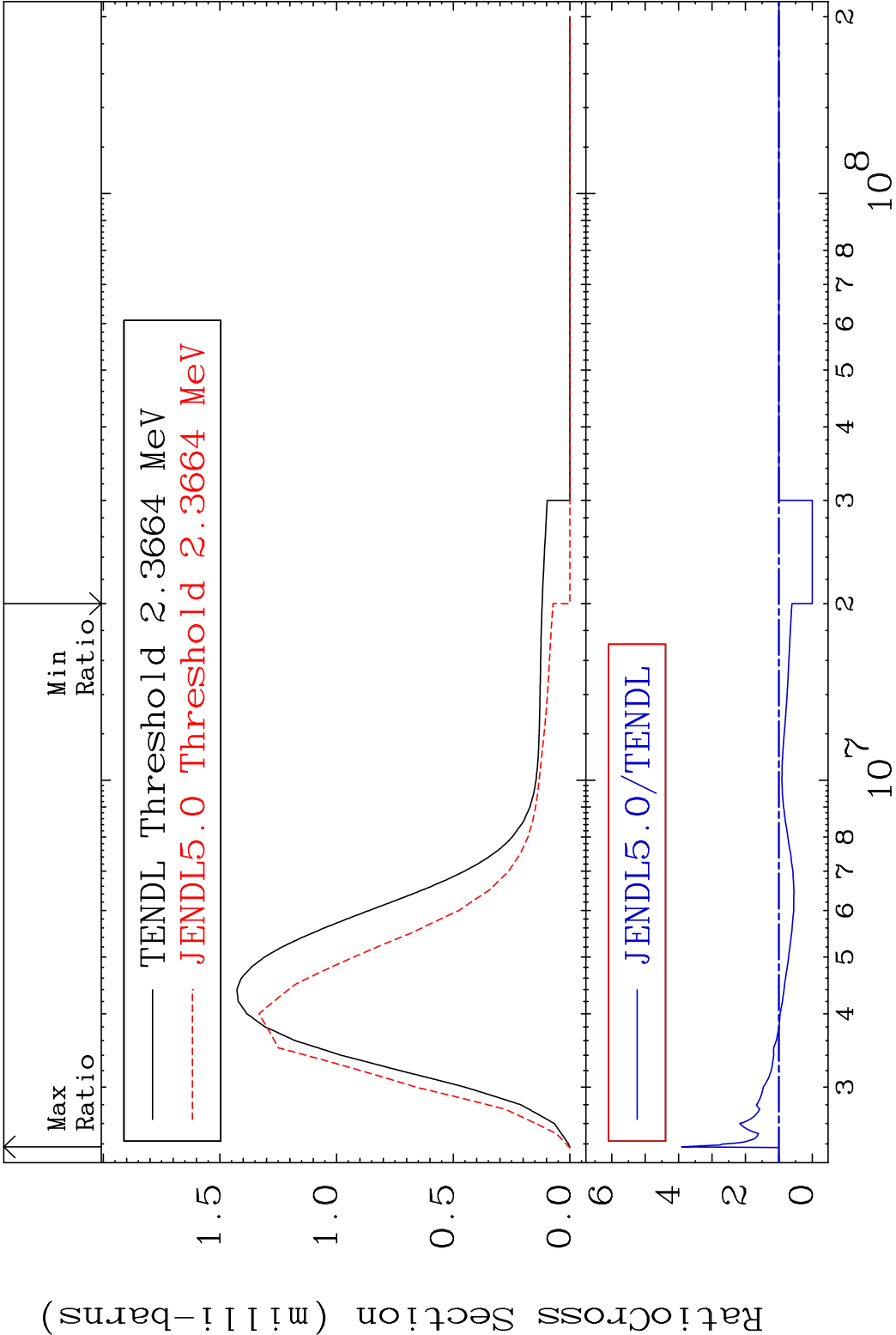
MAT 5646 MT= 73 (n,n') Level 56-Ba-137
Cross Section -100.0 To 157.4 %



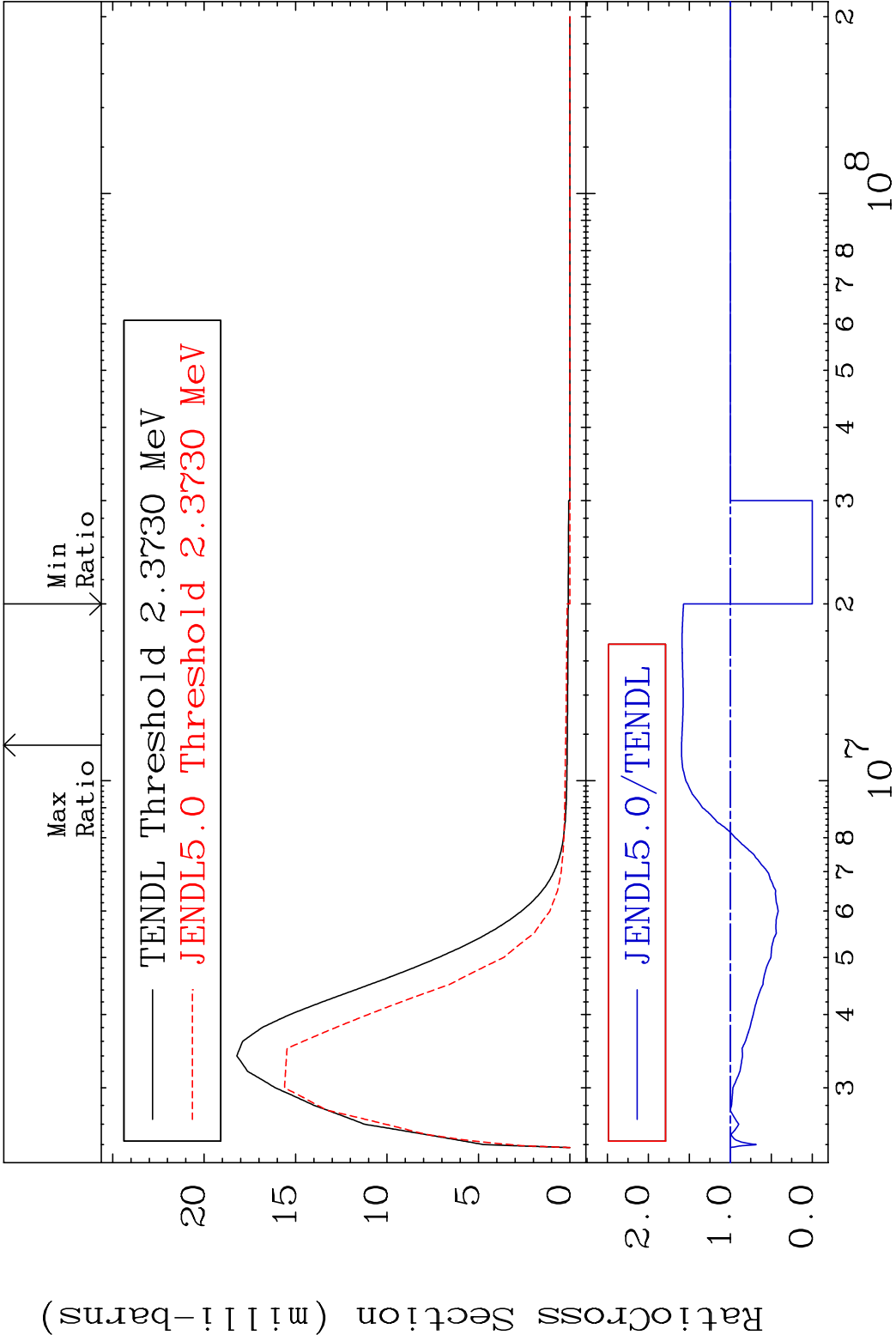
MAT 5646 MT= 74 (n,n') Level 56-Ba-137
Cross Section -100.0 To 179.5 %



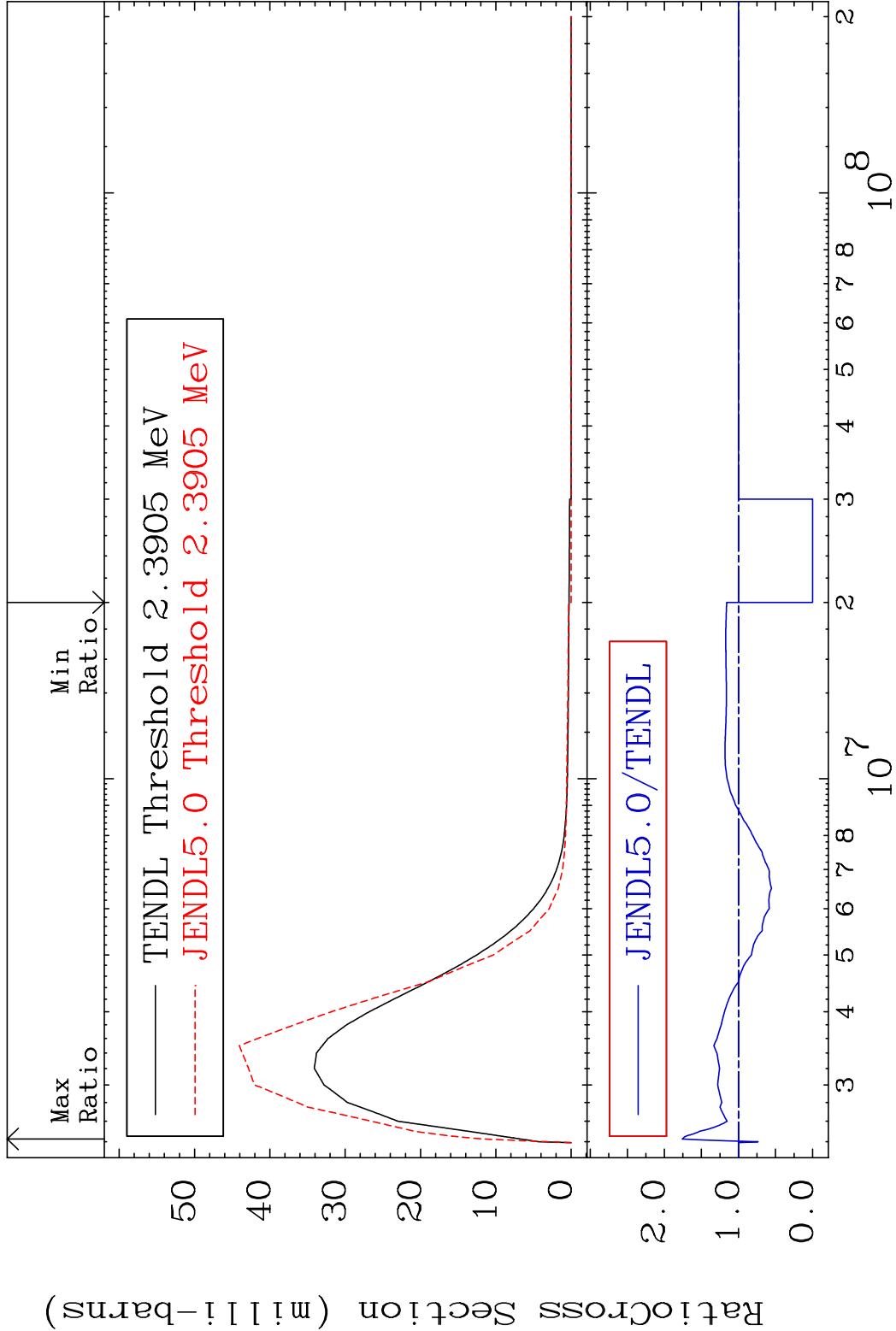
MAT 5646 MT= 75 (n,n') Level 56-Ba-137
Cross Section -100.0 To 291.3 %



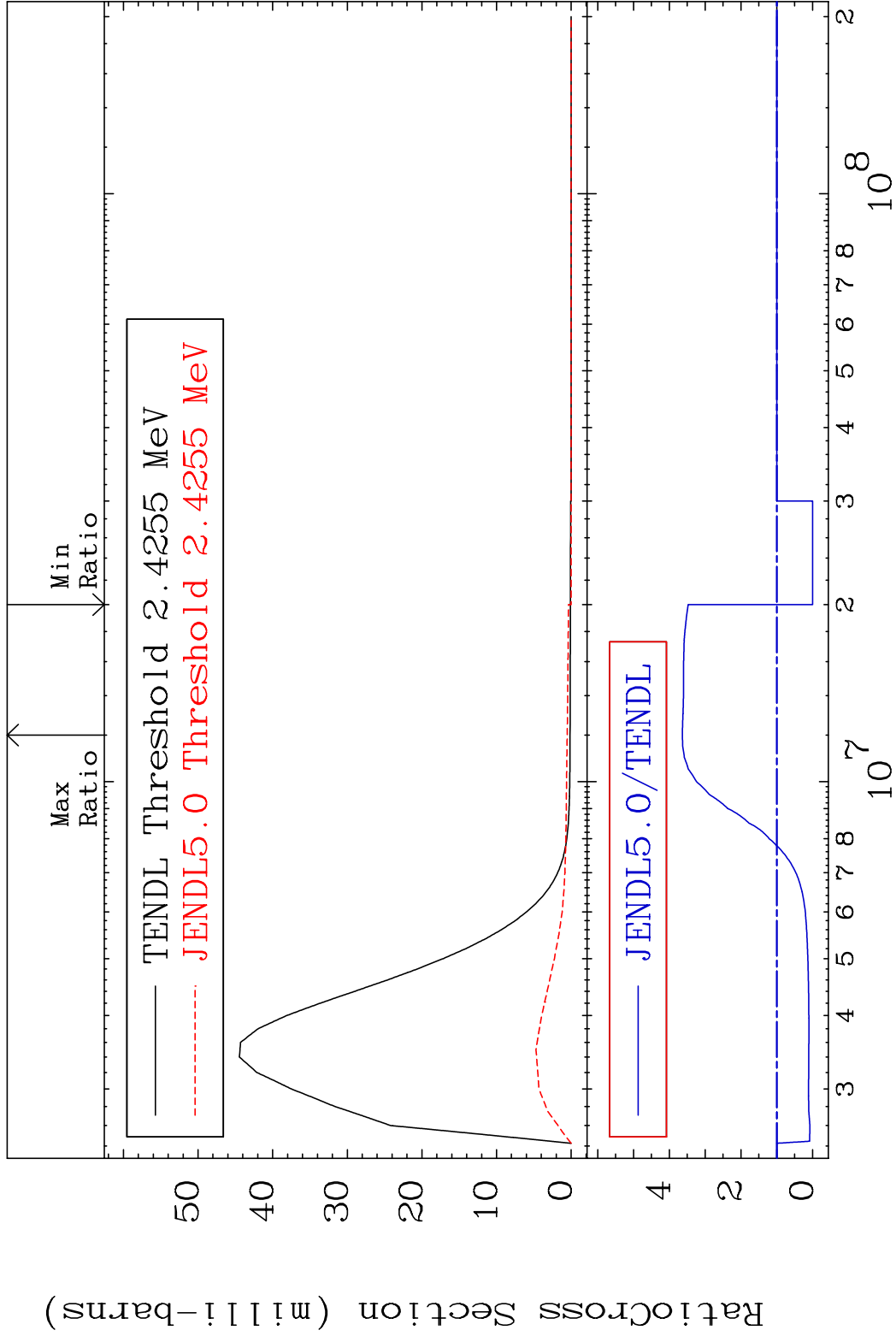
MAT 5646 MT= 76 (n,n') Level 56-Ba-137
Cross Section -100.0 To 59.57 %



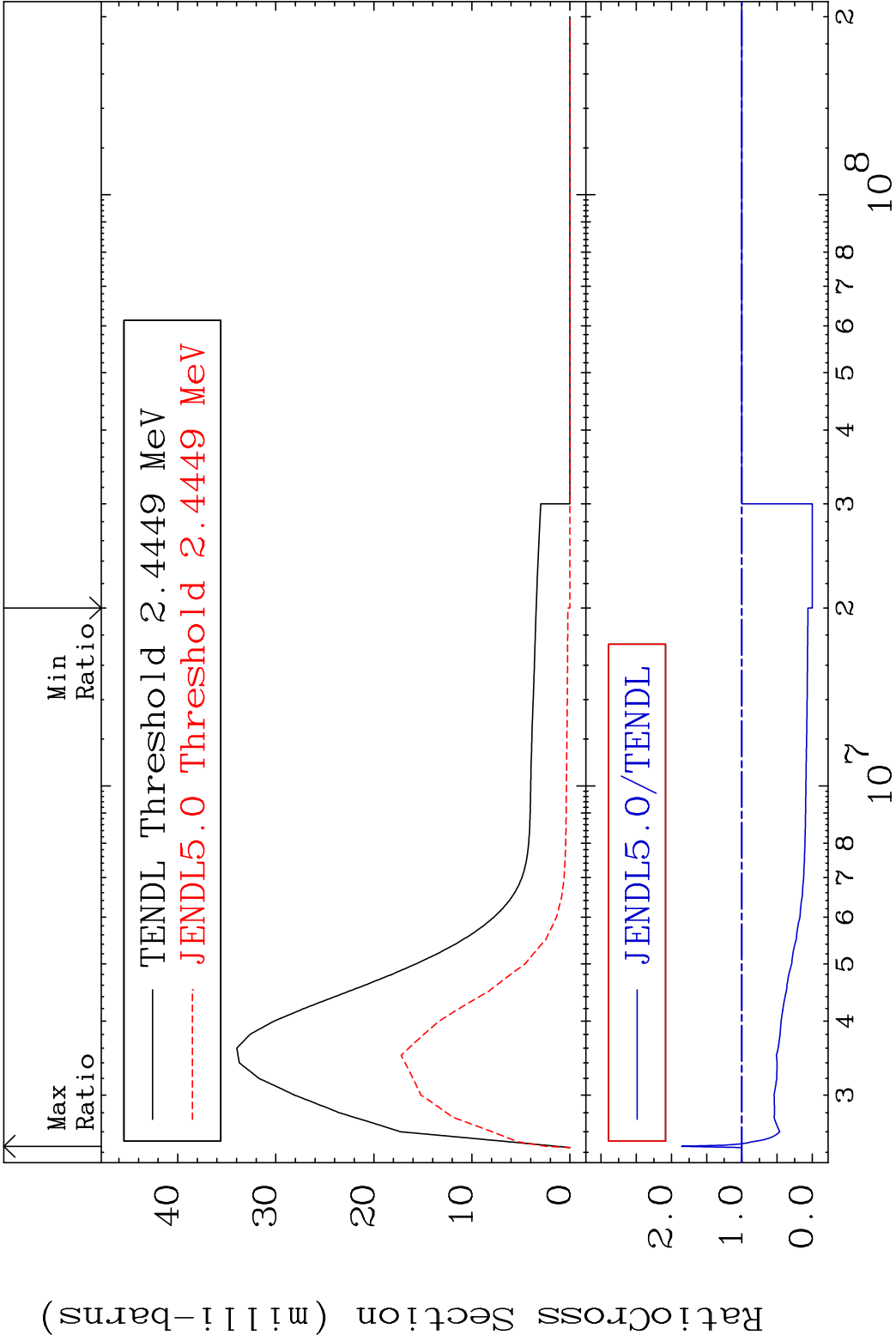
MAT 5646 MT= 77 (n,n') Level 56-Ba-137
Cross Section -100.0 To 75.73 %

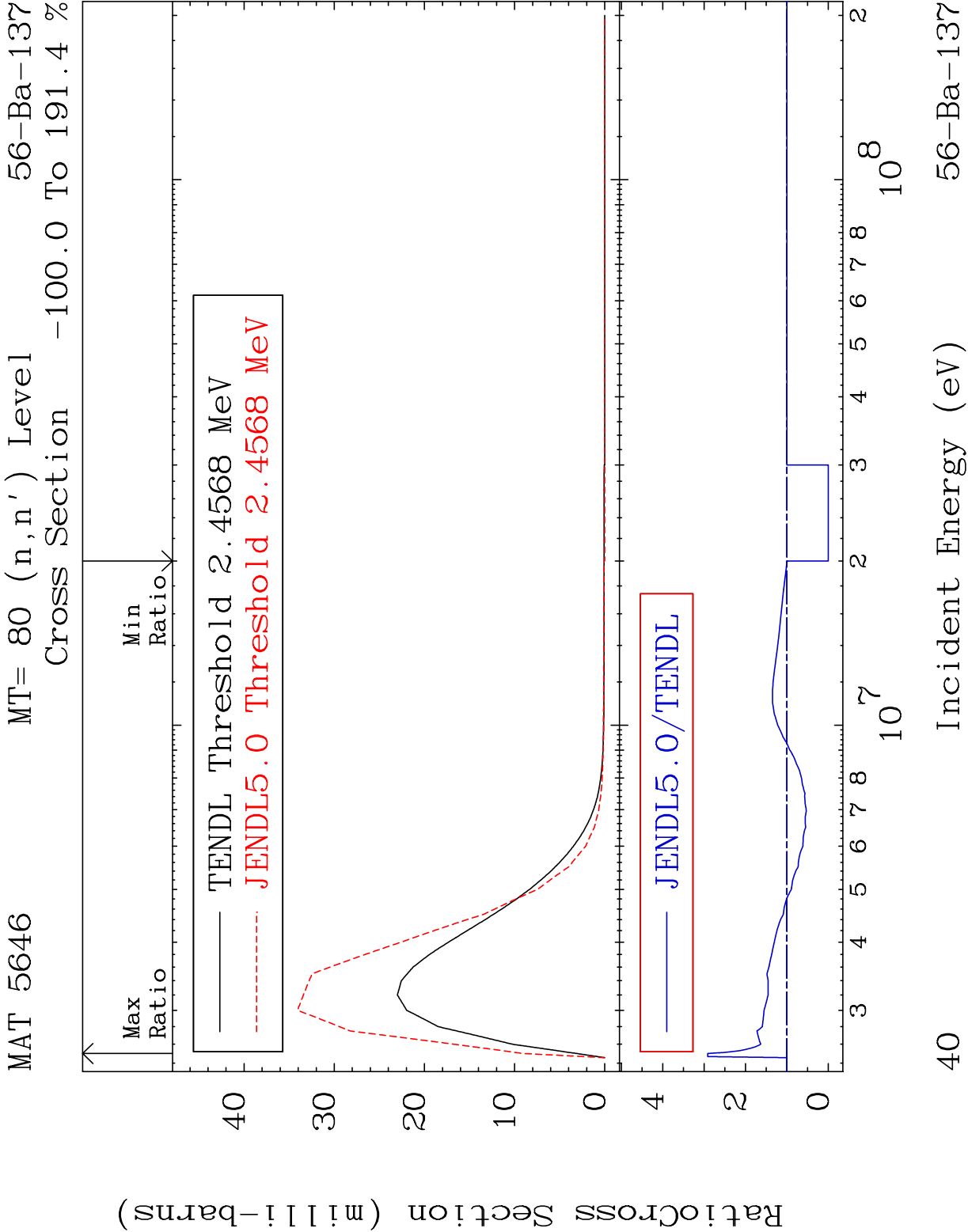


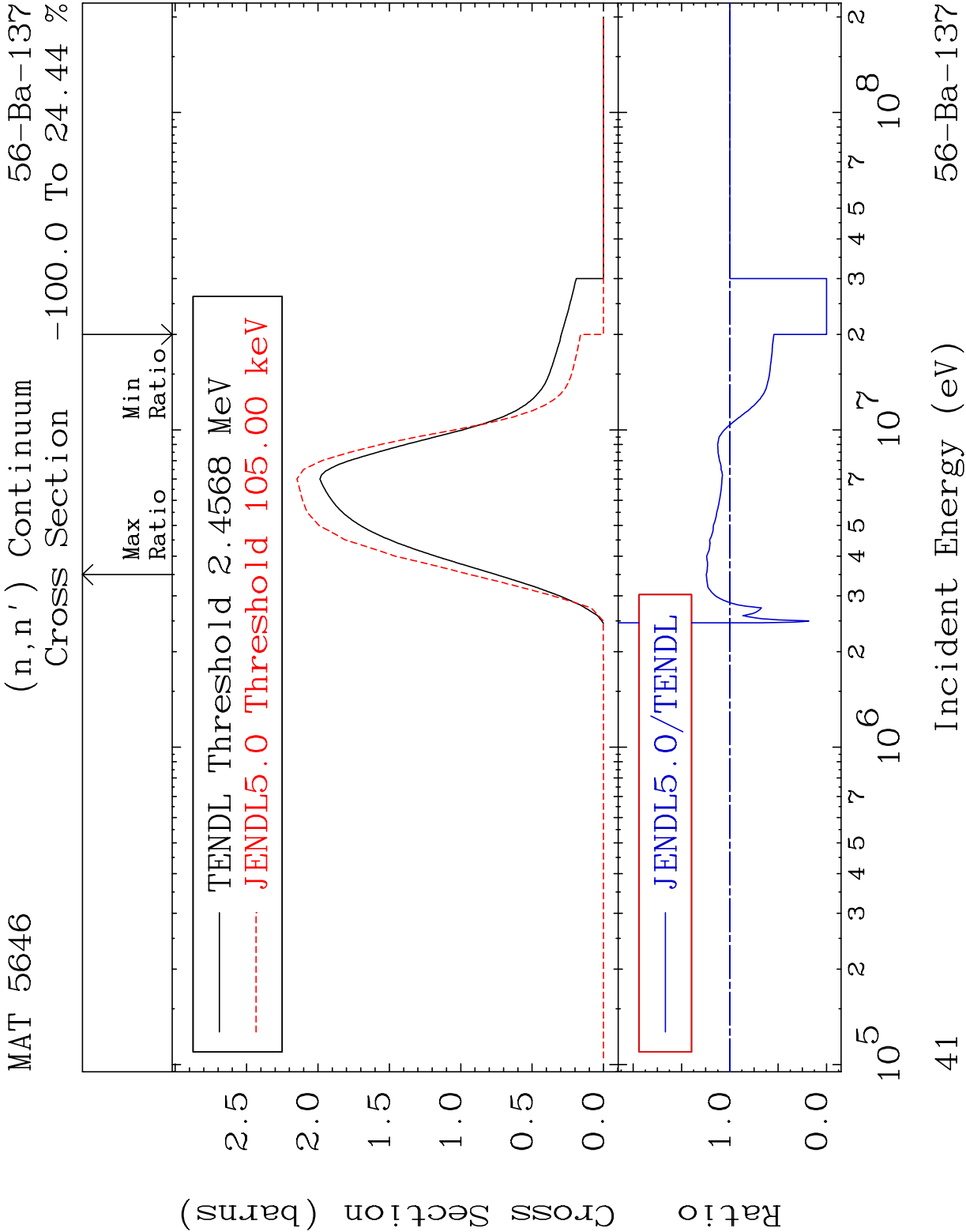
MAT 5646 MT= 78 (n,n') Level 56-Ba-137
Cross Section -100.0 To 263.6 %



MAT 5646 MT= 79 (n,n') Level 56-Ba-137
Cross Section -100.0 To 85.67 %





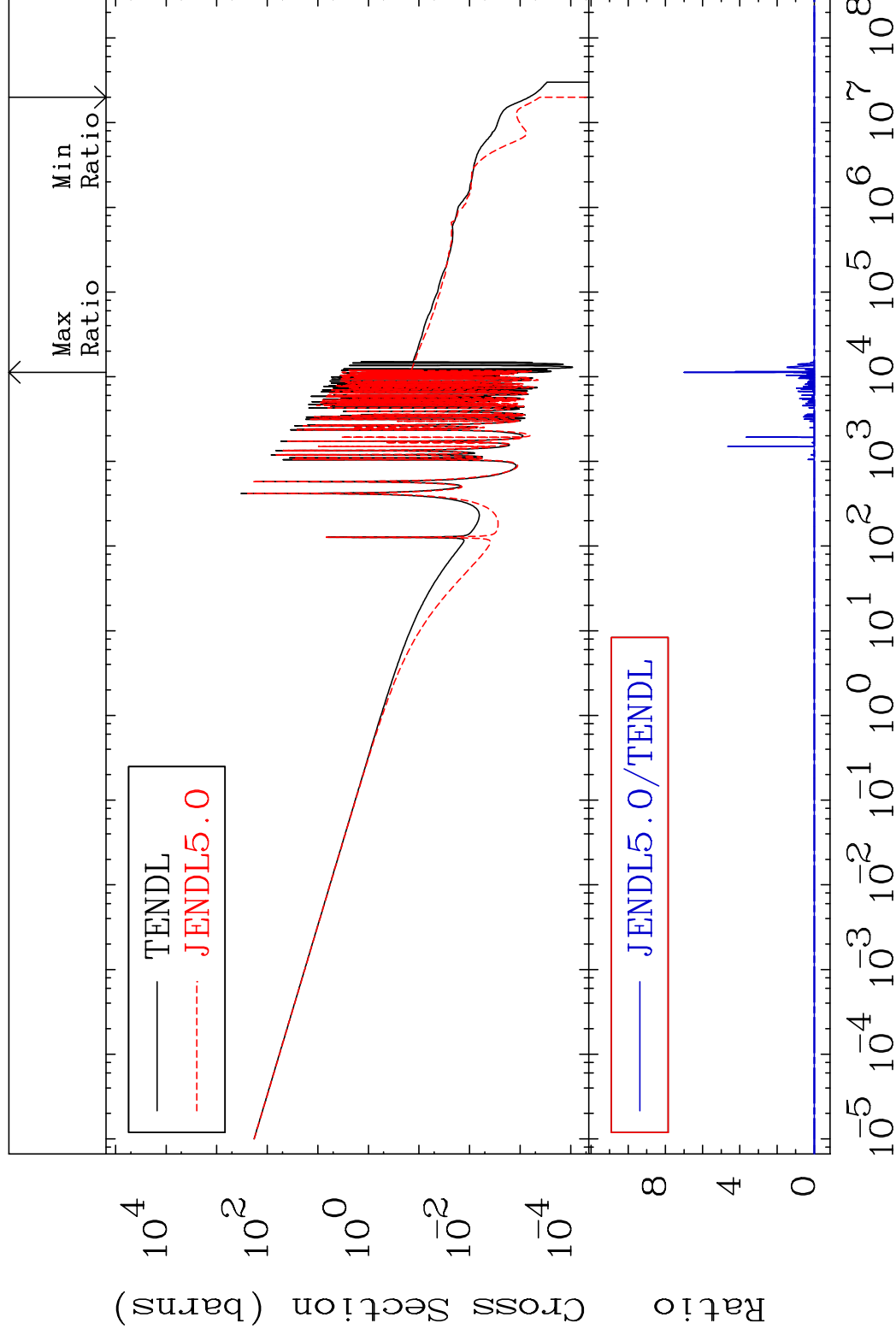


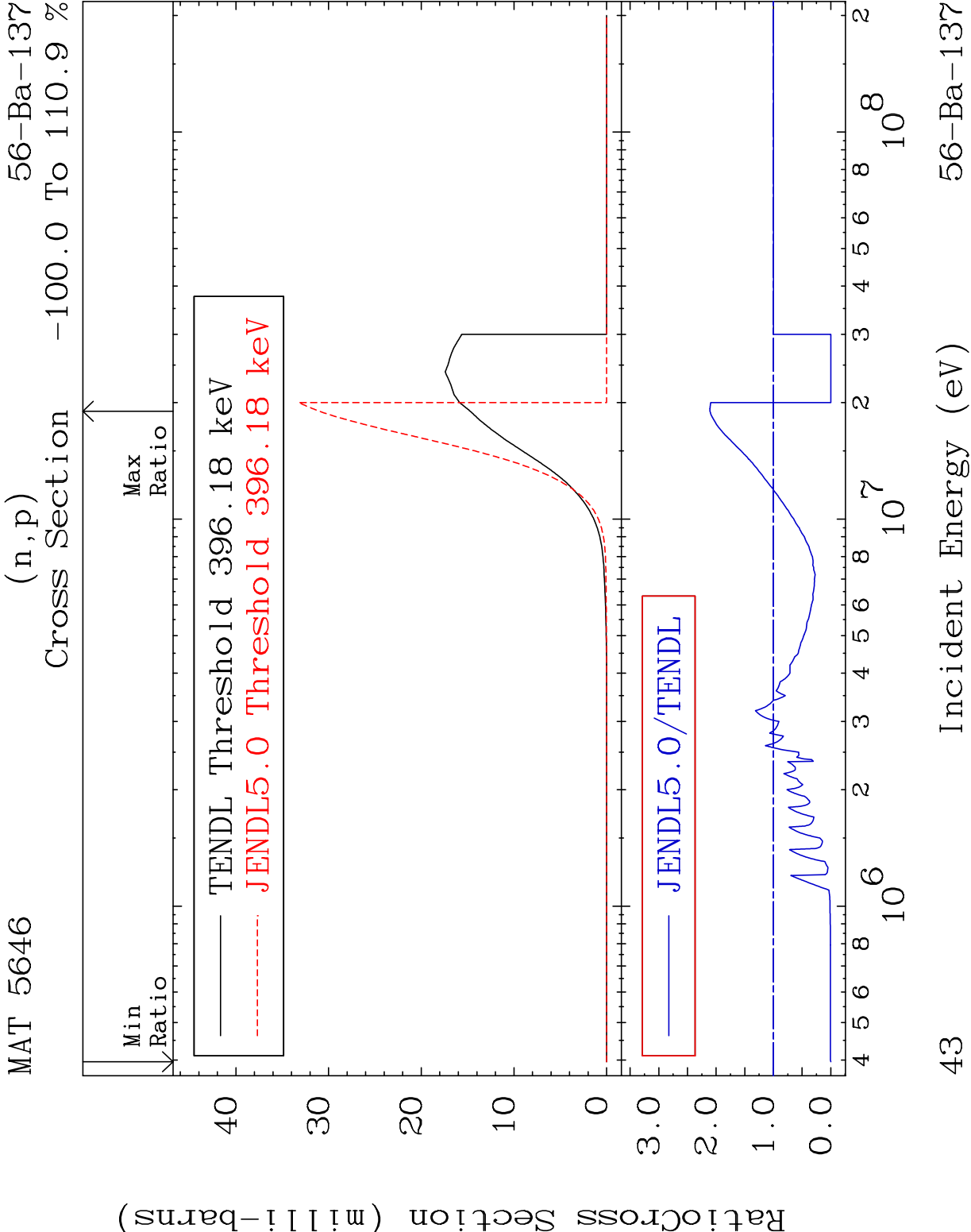
MAT 5646

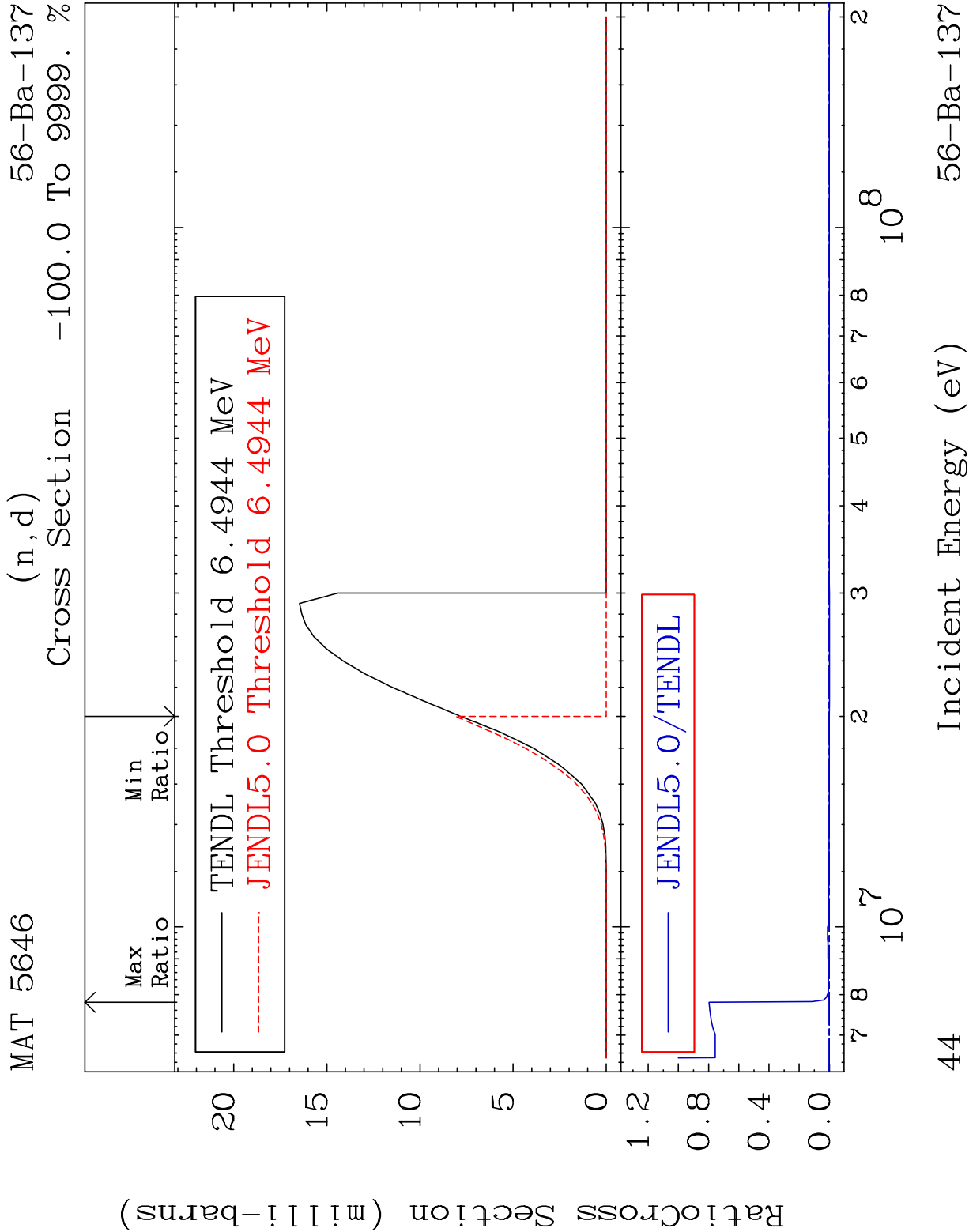
(n, γ)

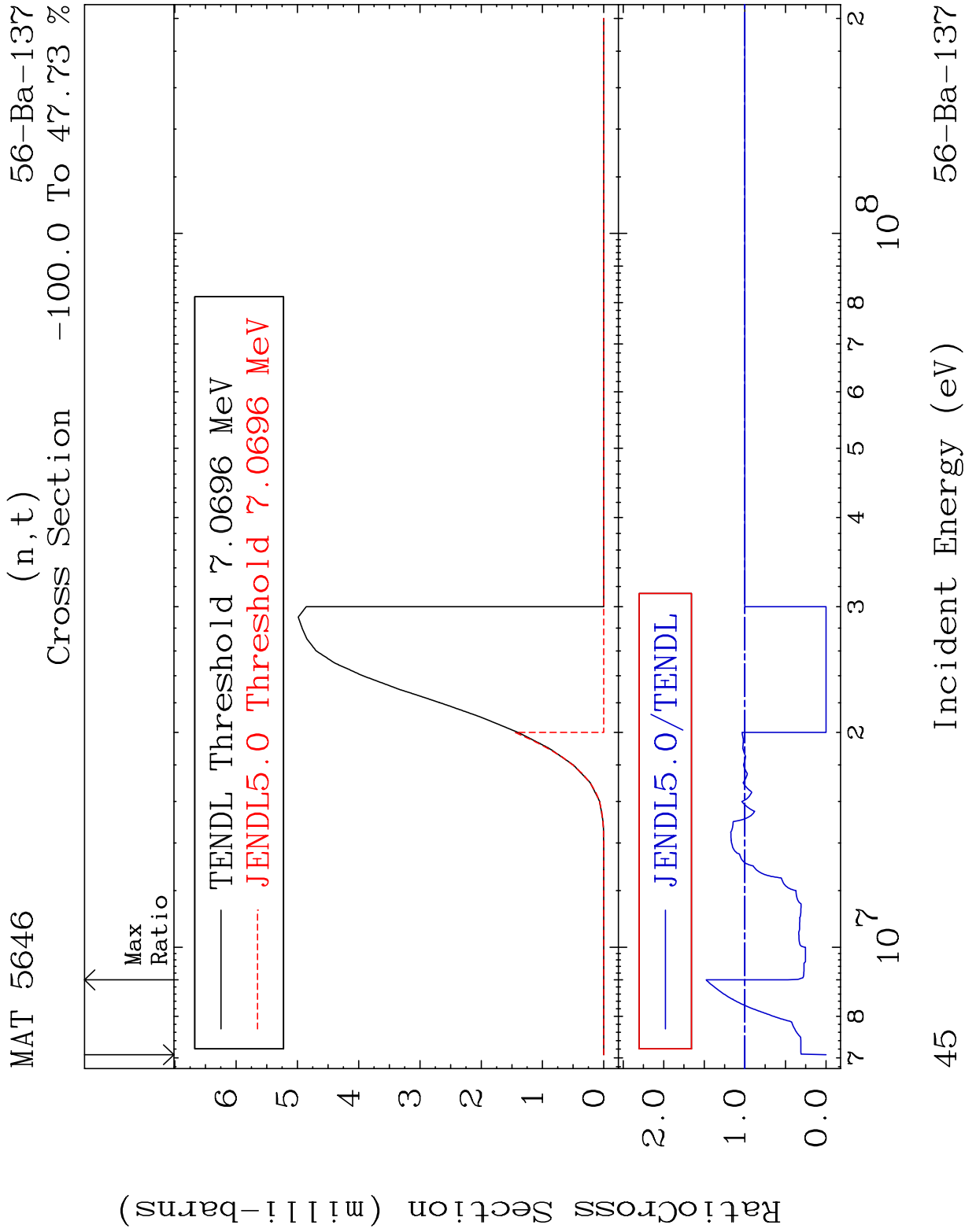
56-Ba-137

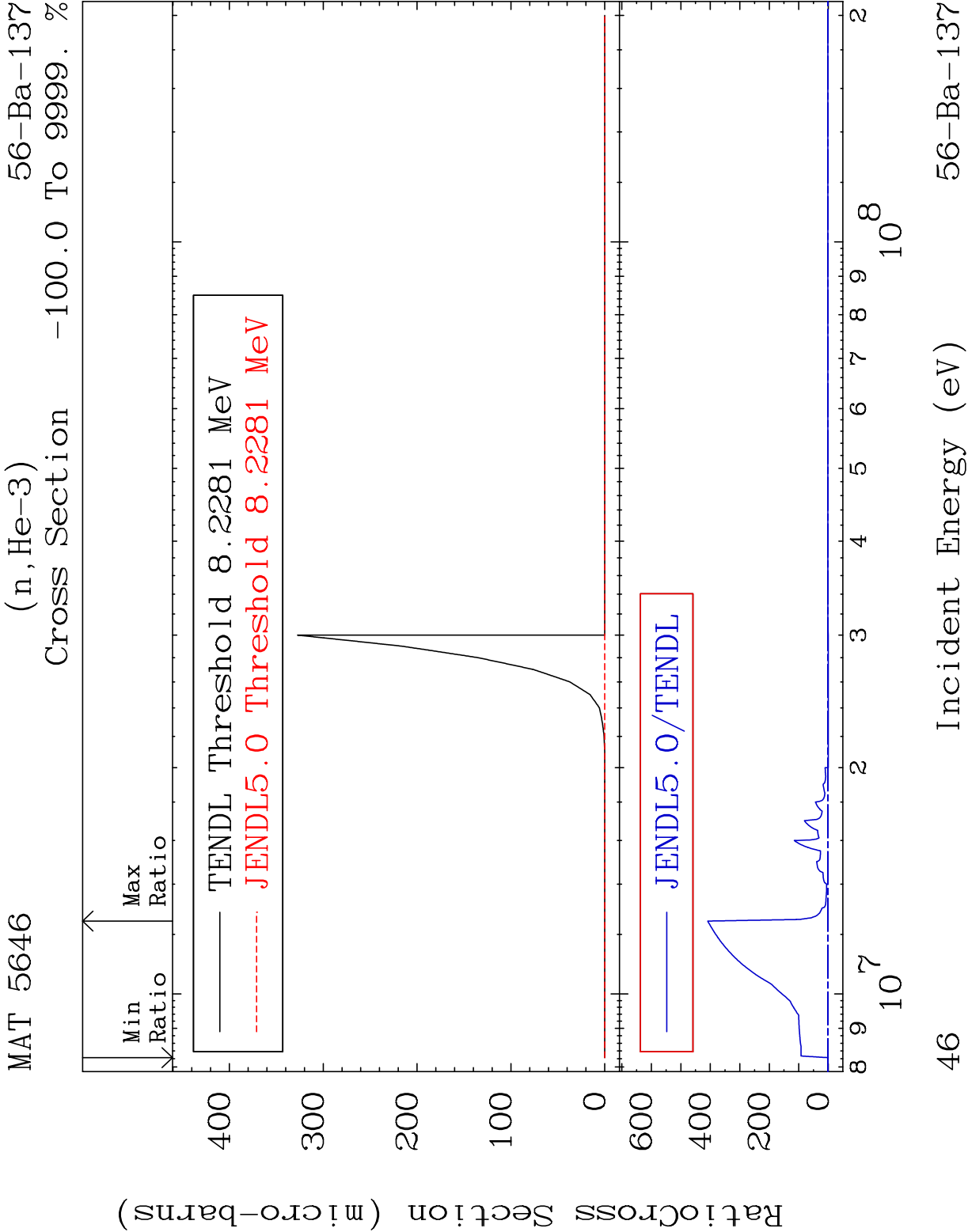
Cross Section -100.0 To 9999. %

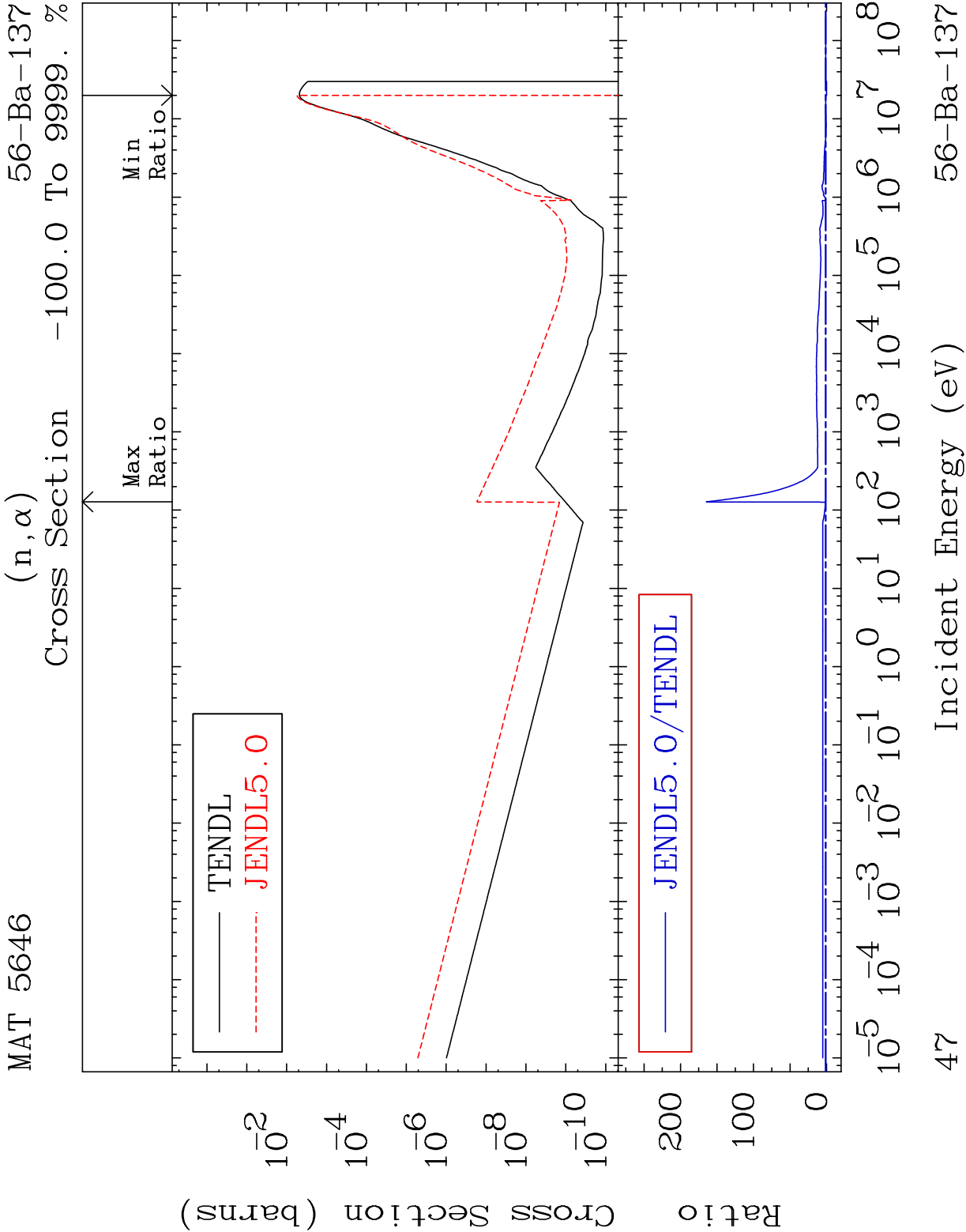


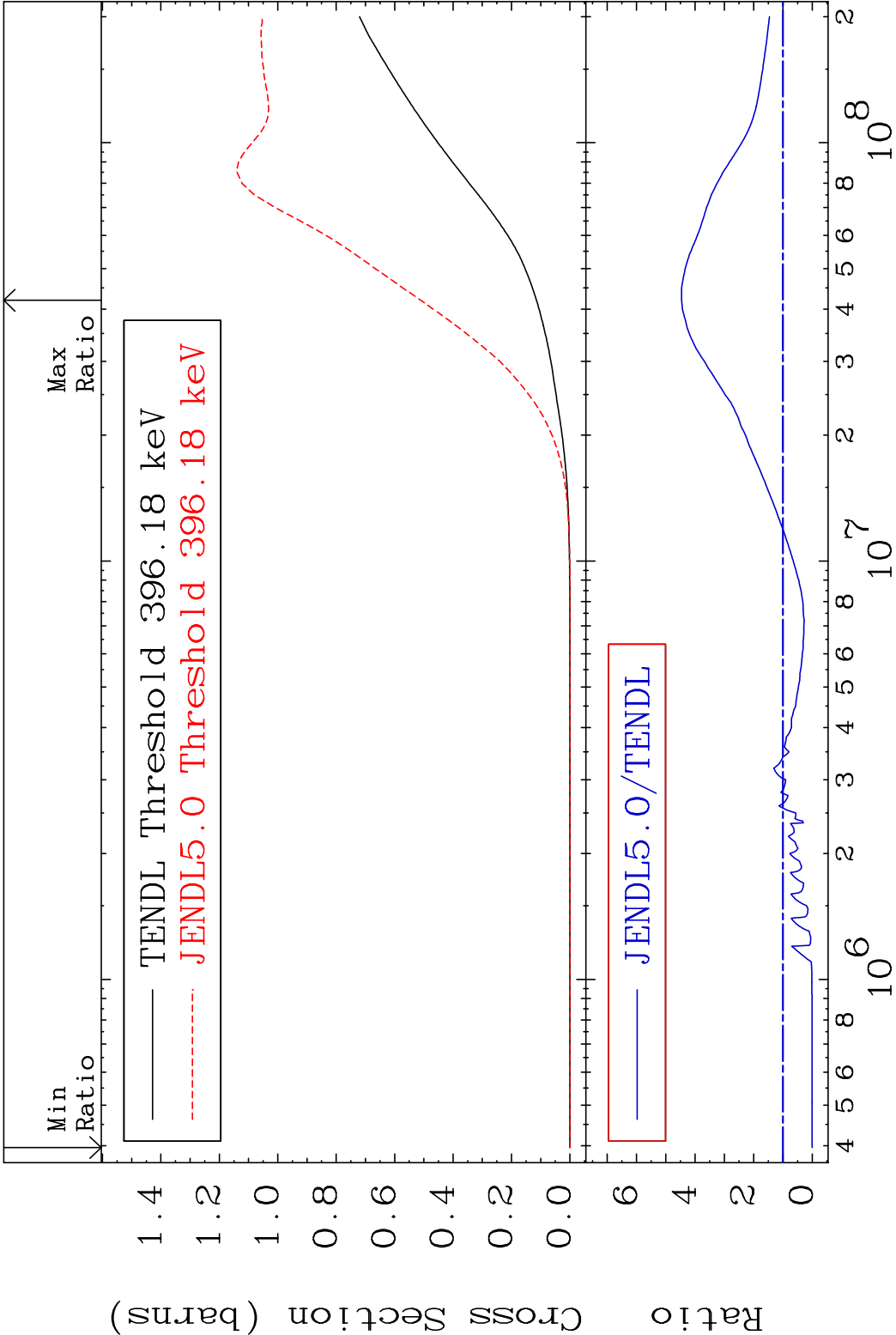




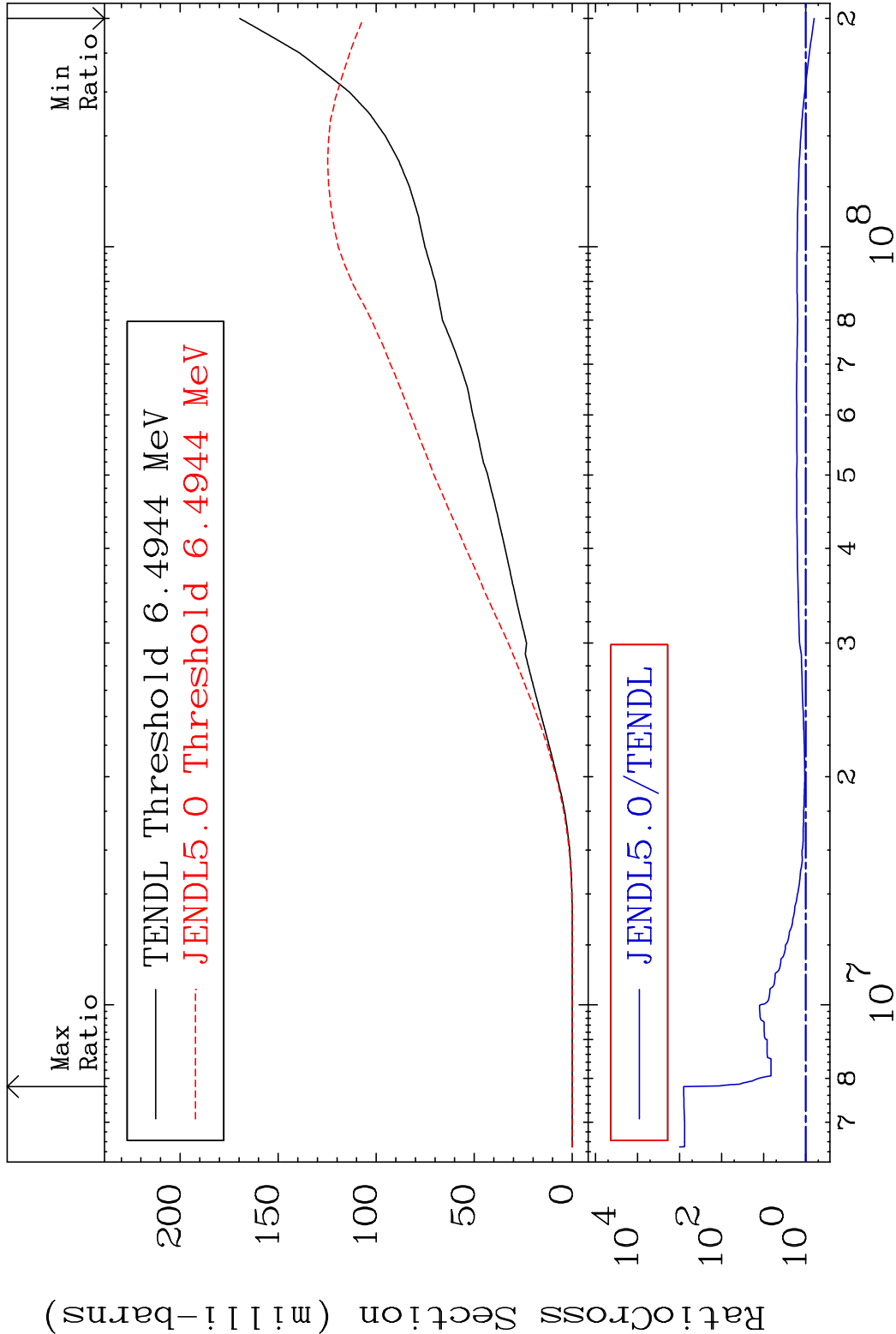


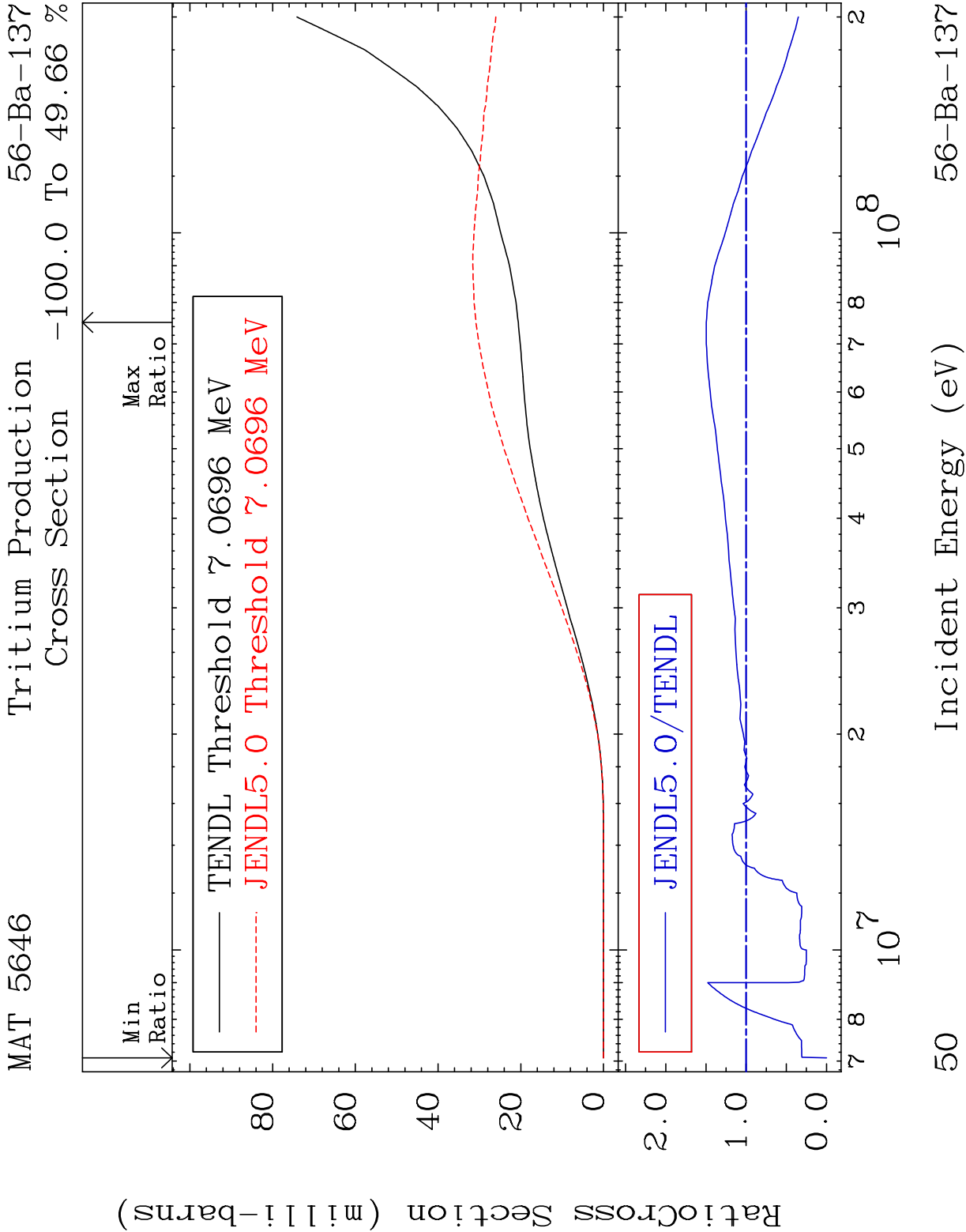


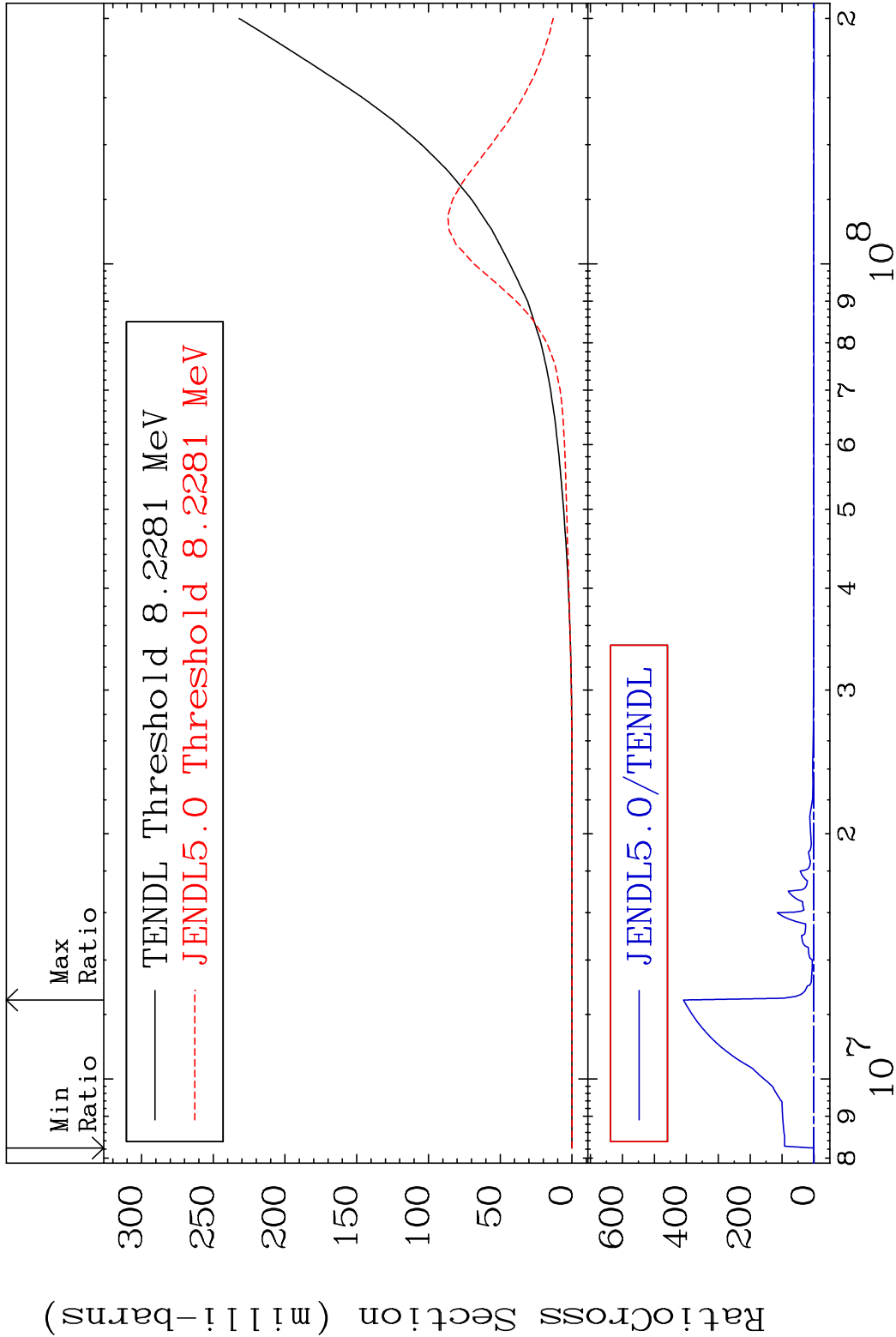


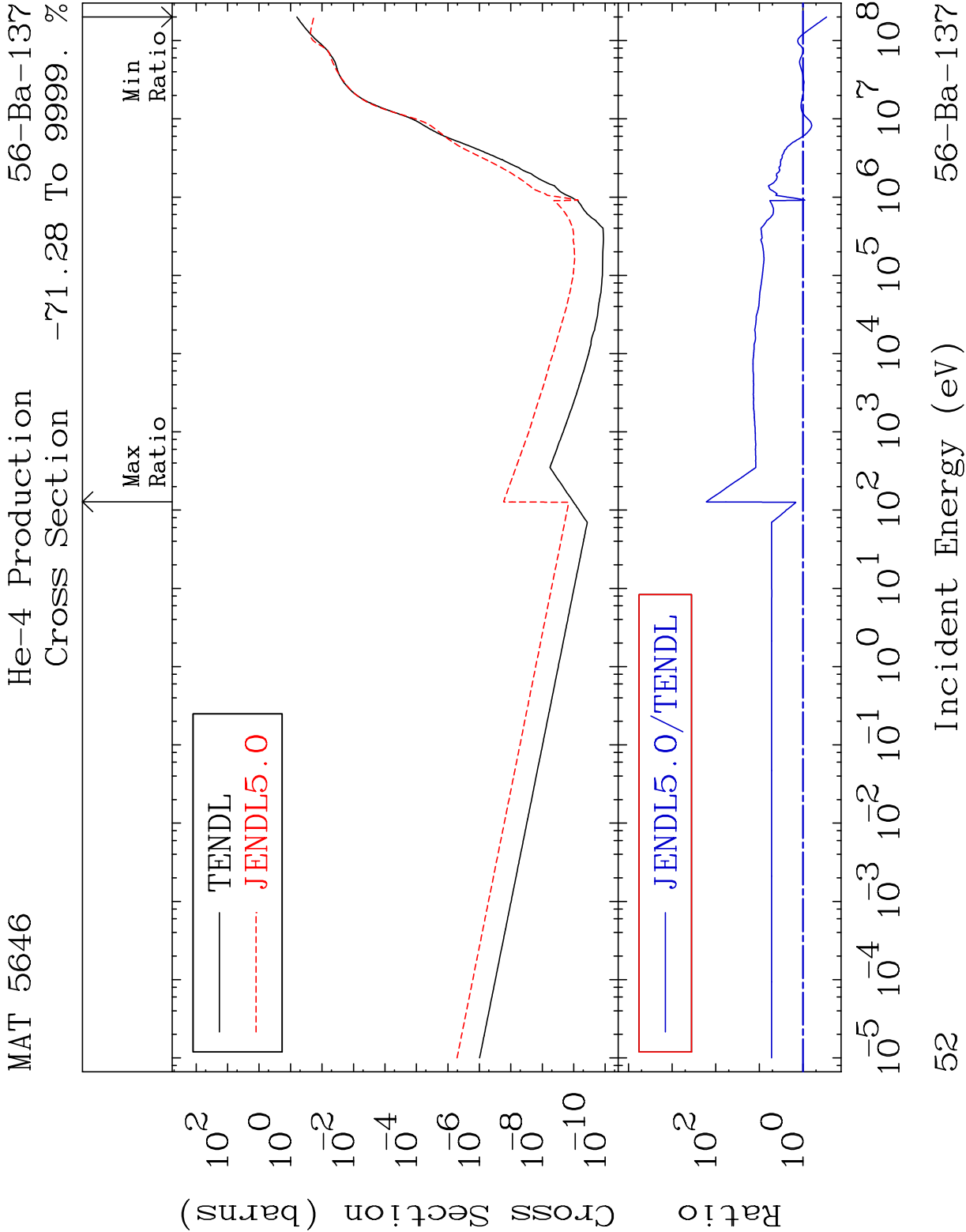


MAT 5646 Deuterium Production 56-Ba-137
Cross Section -37.12 To 9999. %

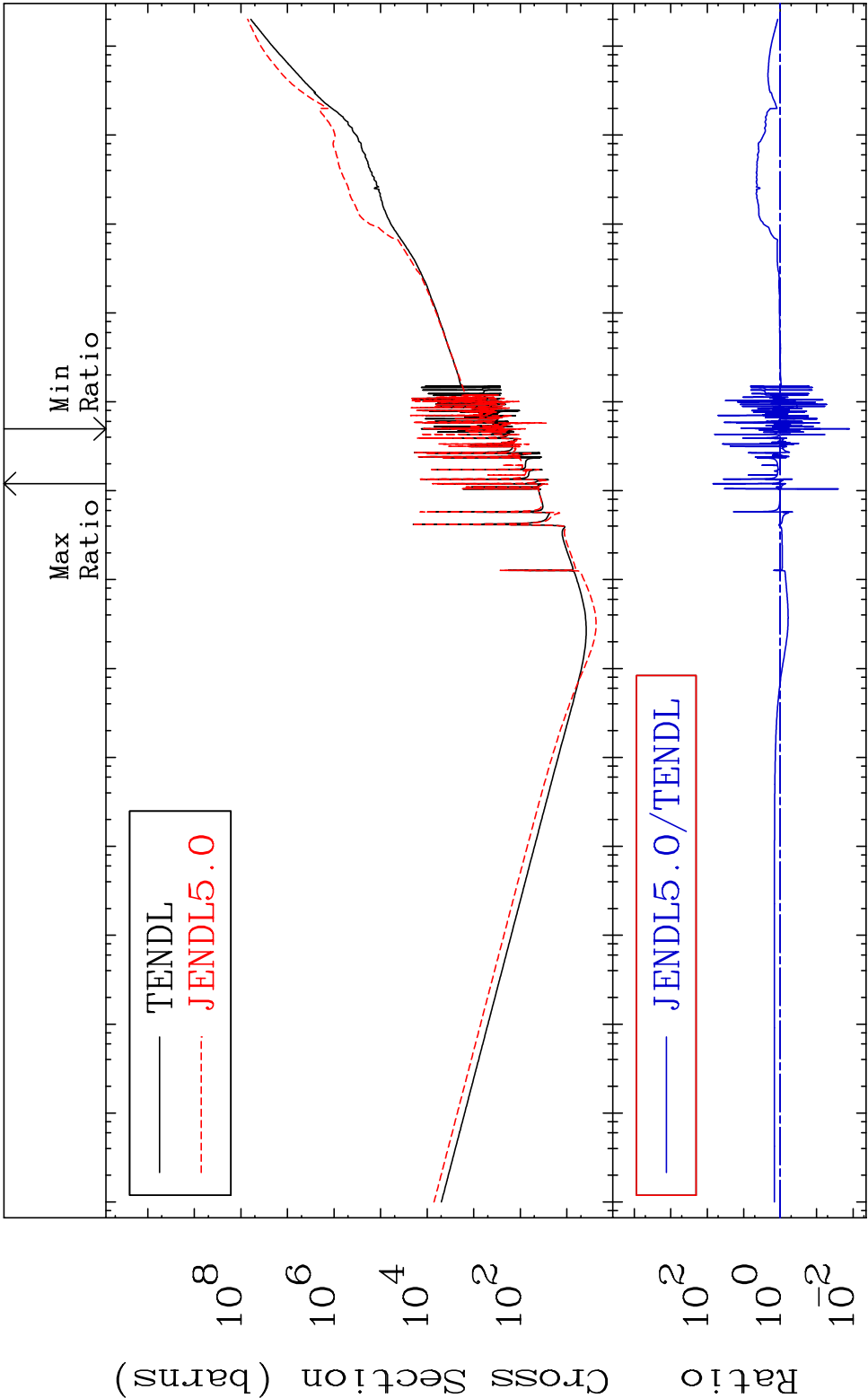






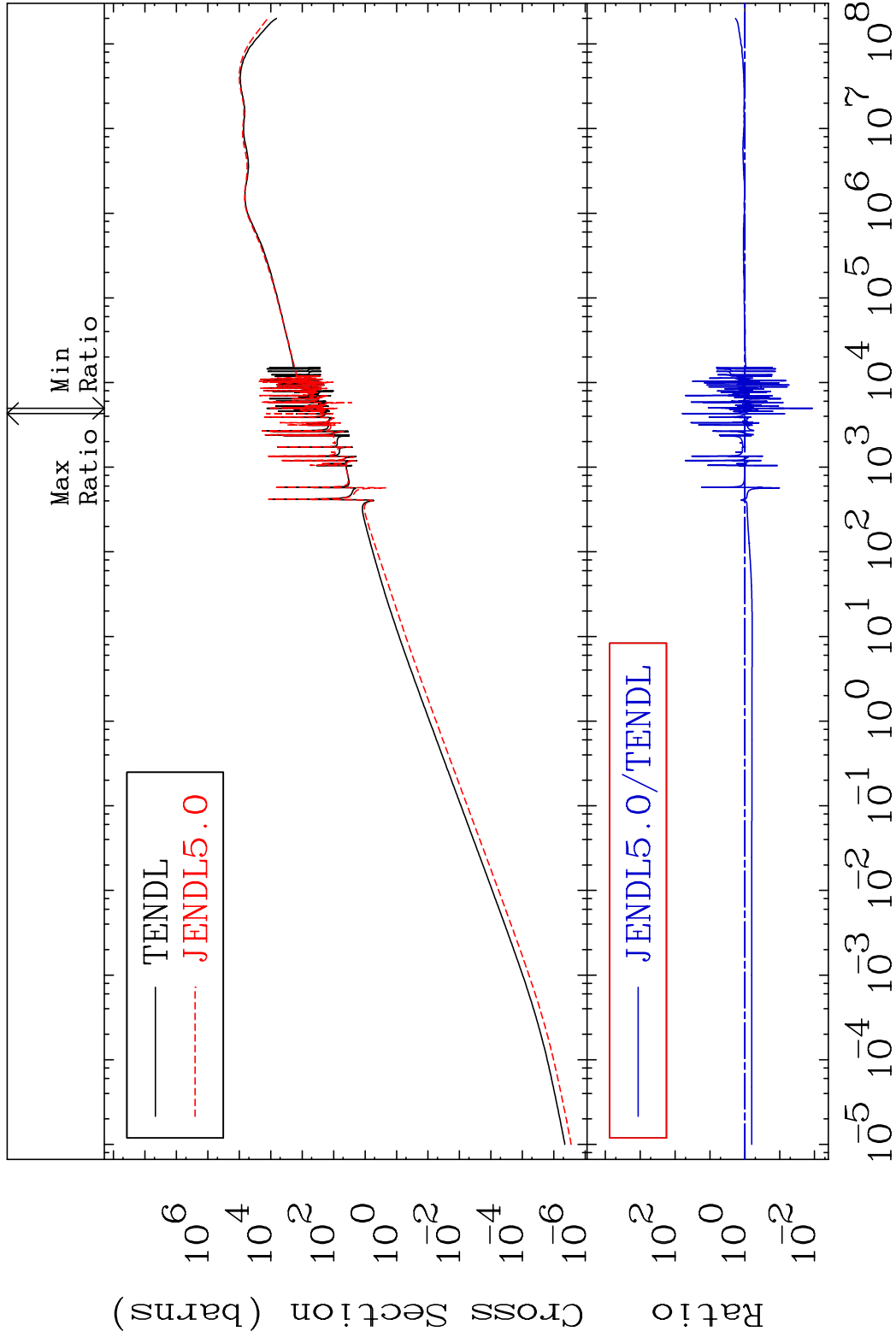


MAT 5646 Kerma total (eV-barns) 56-Ba-137
Cross Section -98.75 To 6937. %



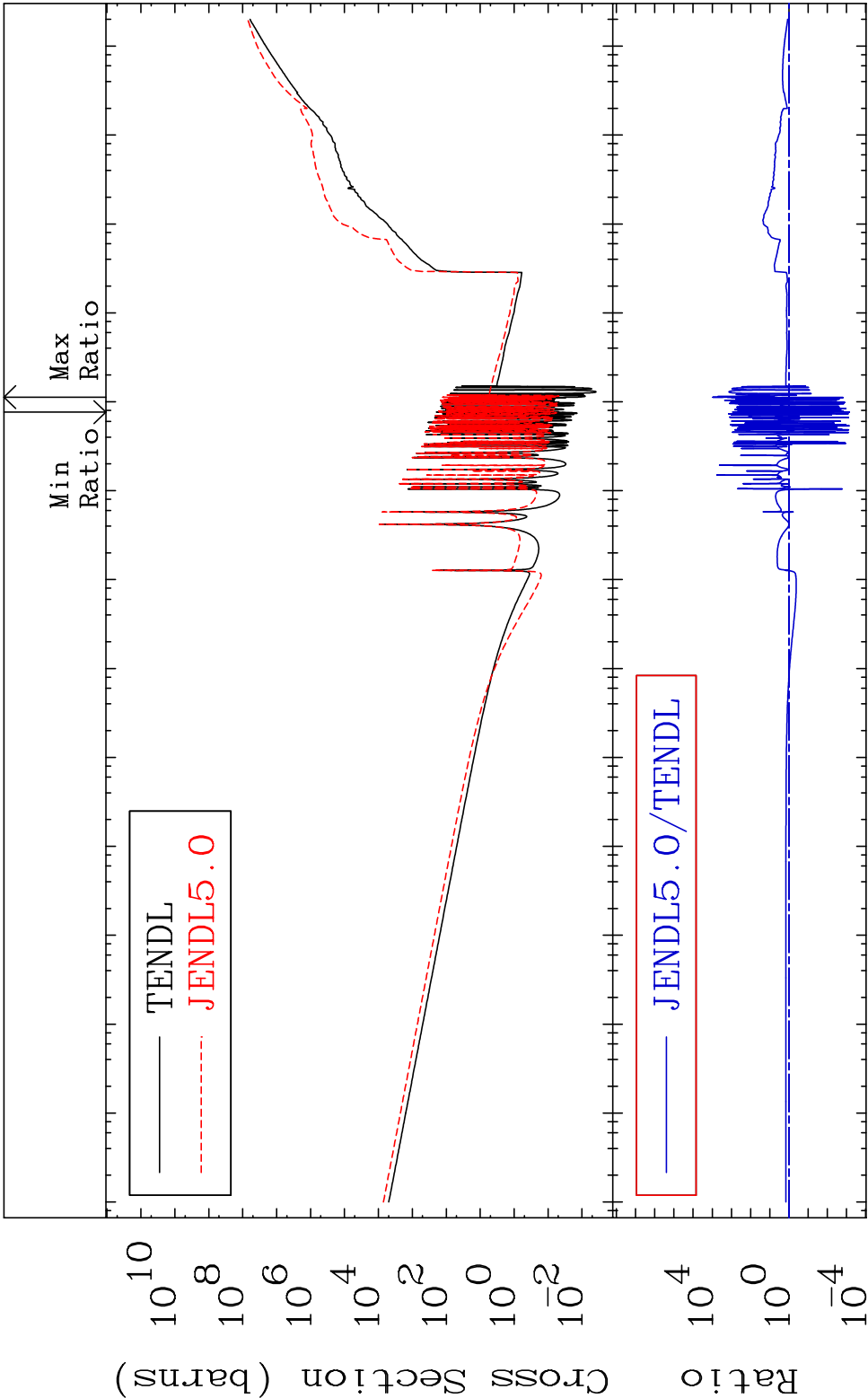
53 Incident Energy (eV) 56-Ba-137

MAT 5646 Kerma elastic 56-Ba-137
Cross Section -98.86 To 6074. %

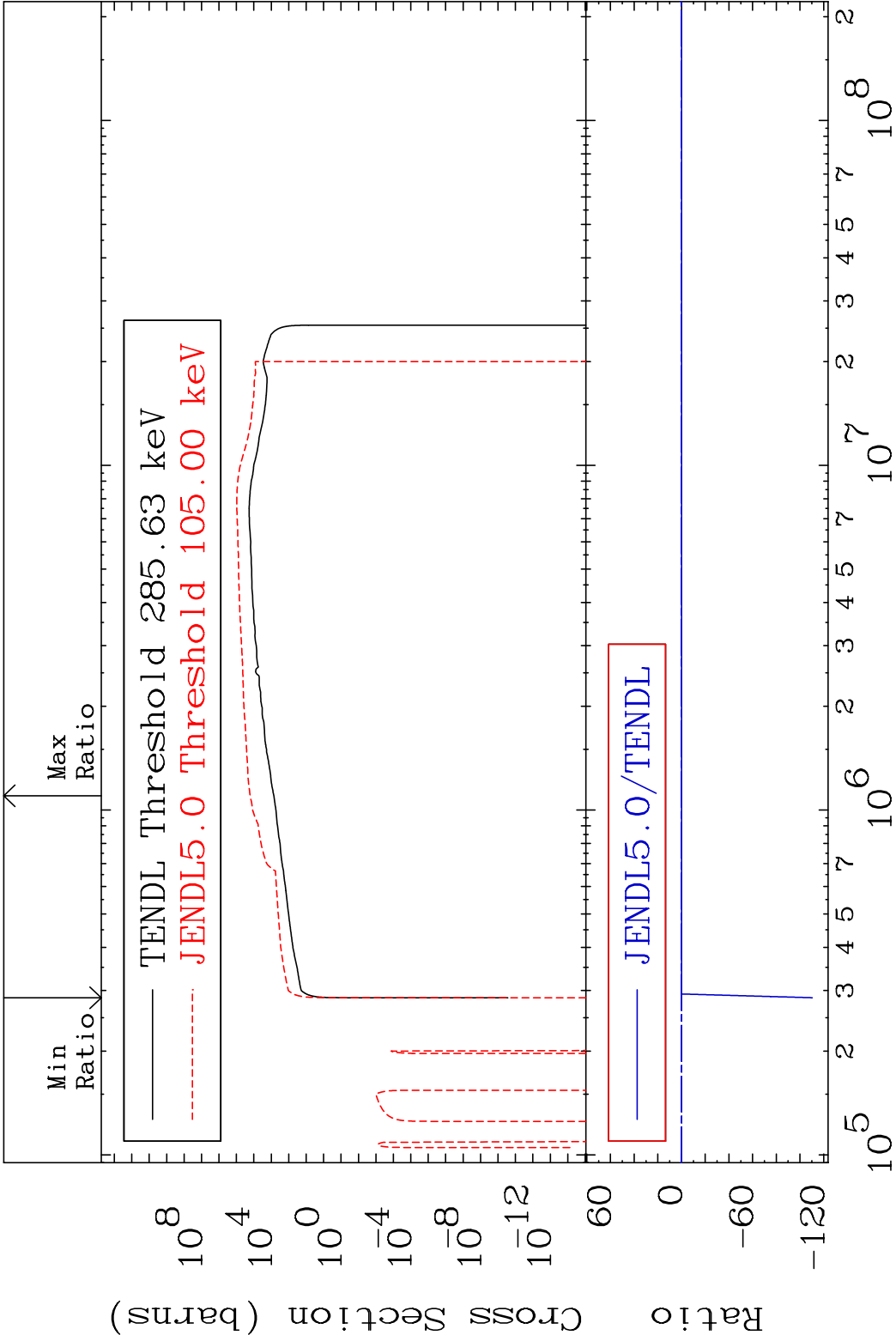


54 Incident Energy (eV) 56-Ba-137

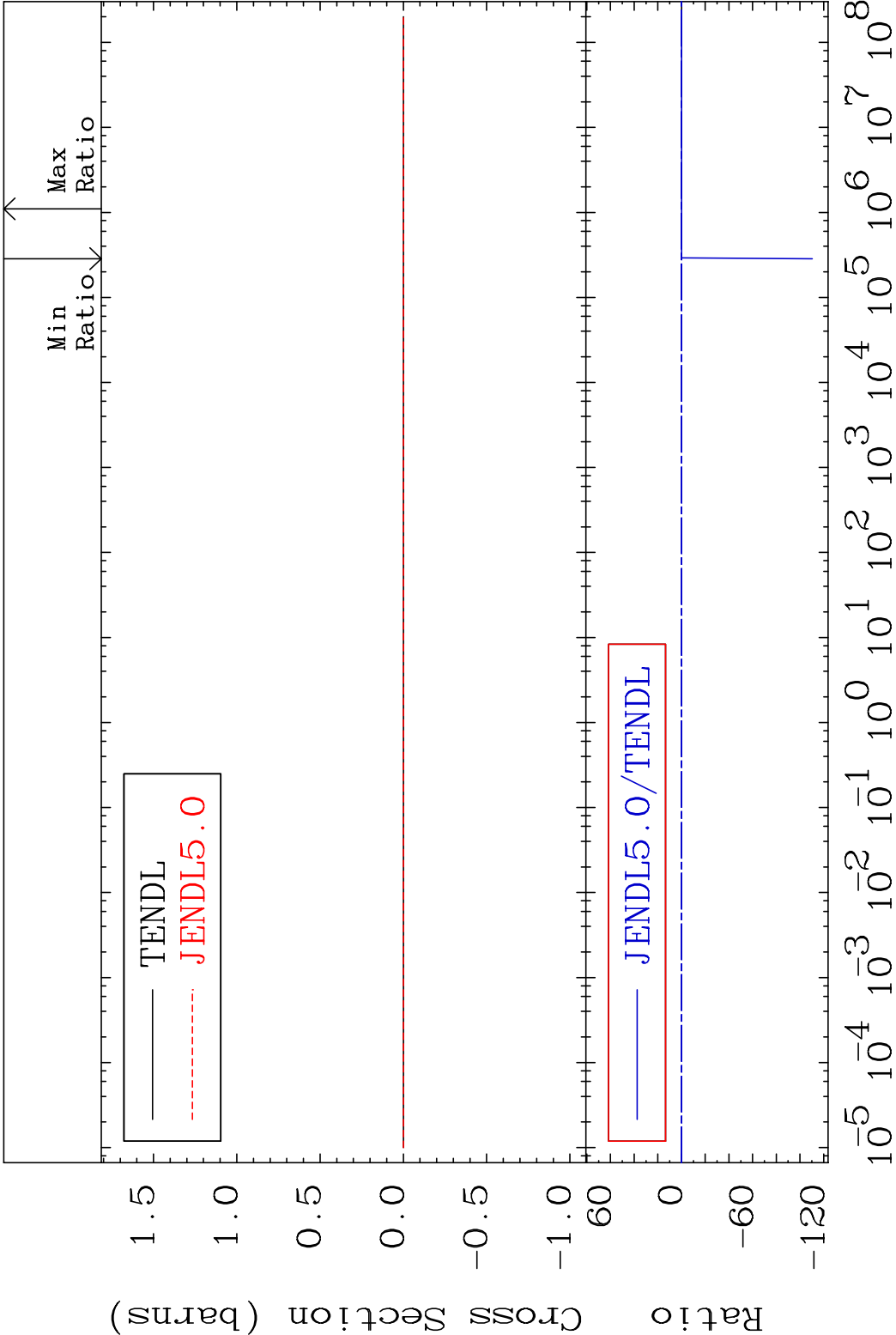
MAT 5646 Kerma non-elastic (all but mt2) 56-Ba-137
 Cross Section -99.93 To 9999. %

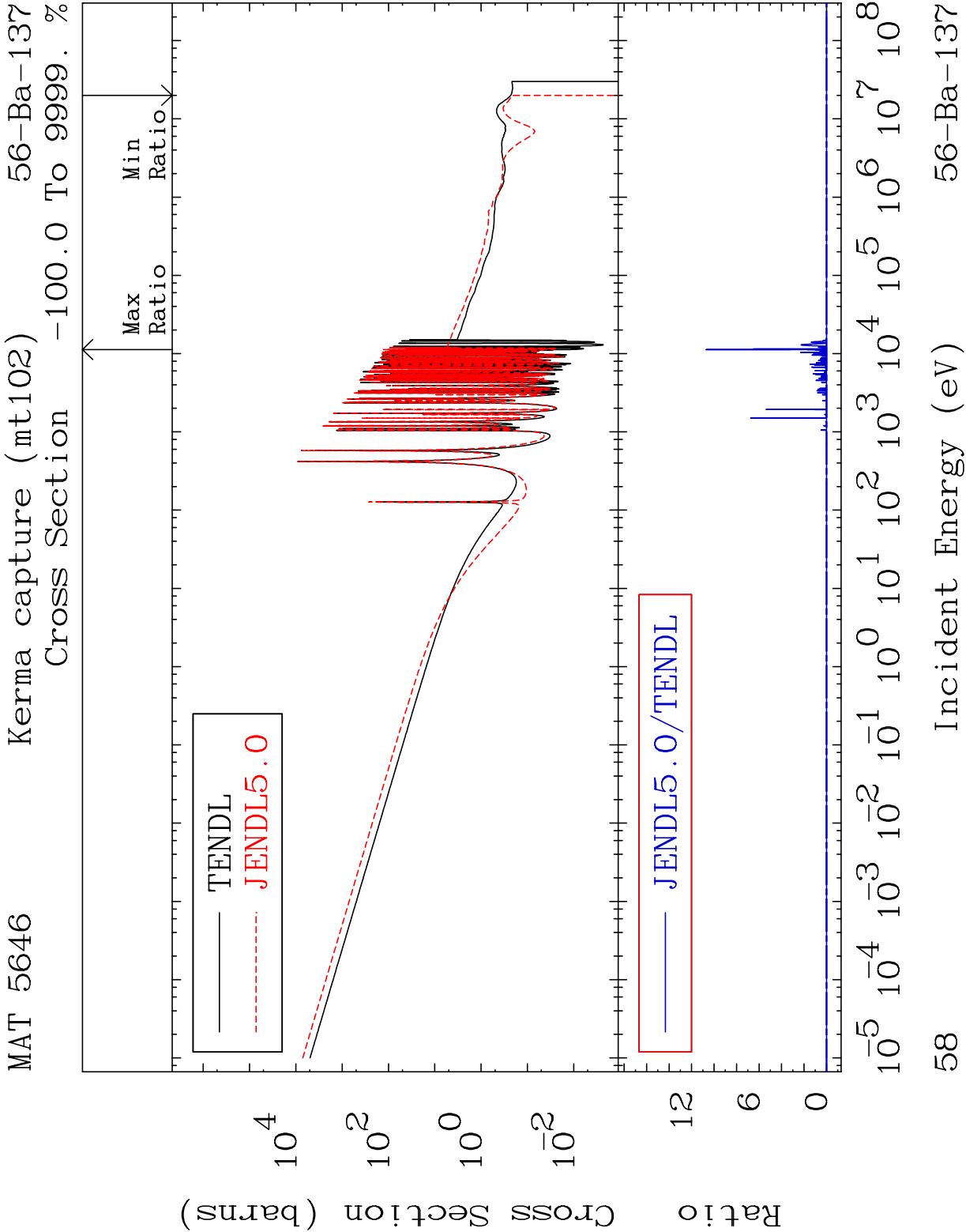


55 Incident Energy (eV) 56-Ba-137

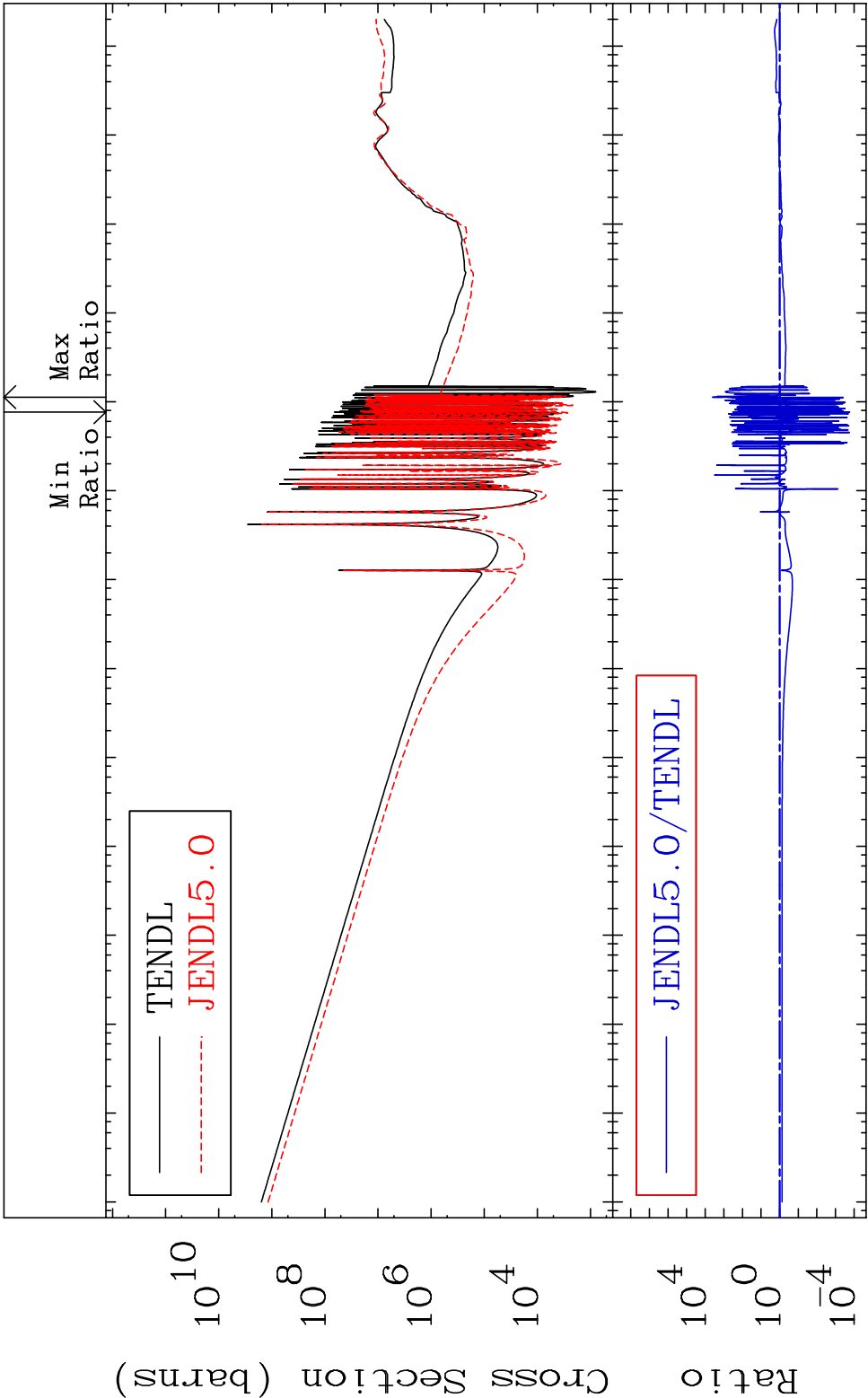


MAT 5646 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-137
Cross Section -9999. To 2218. %



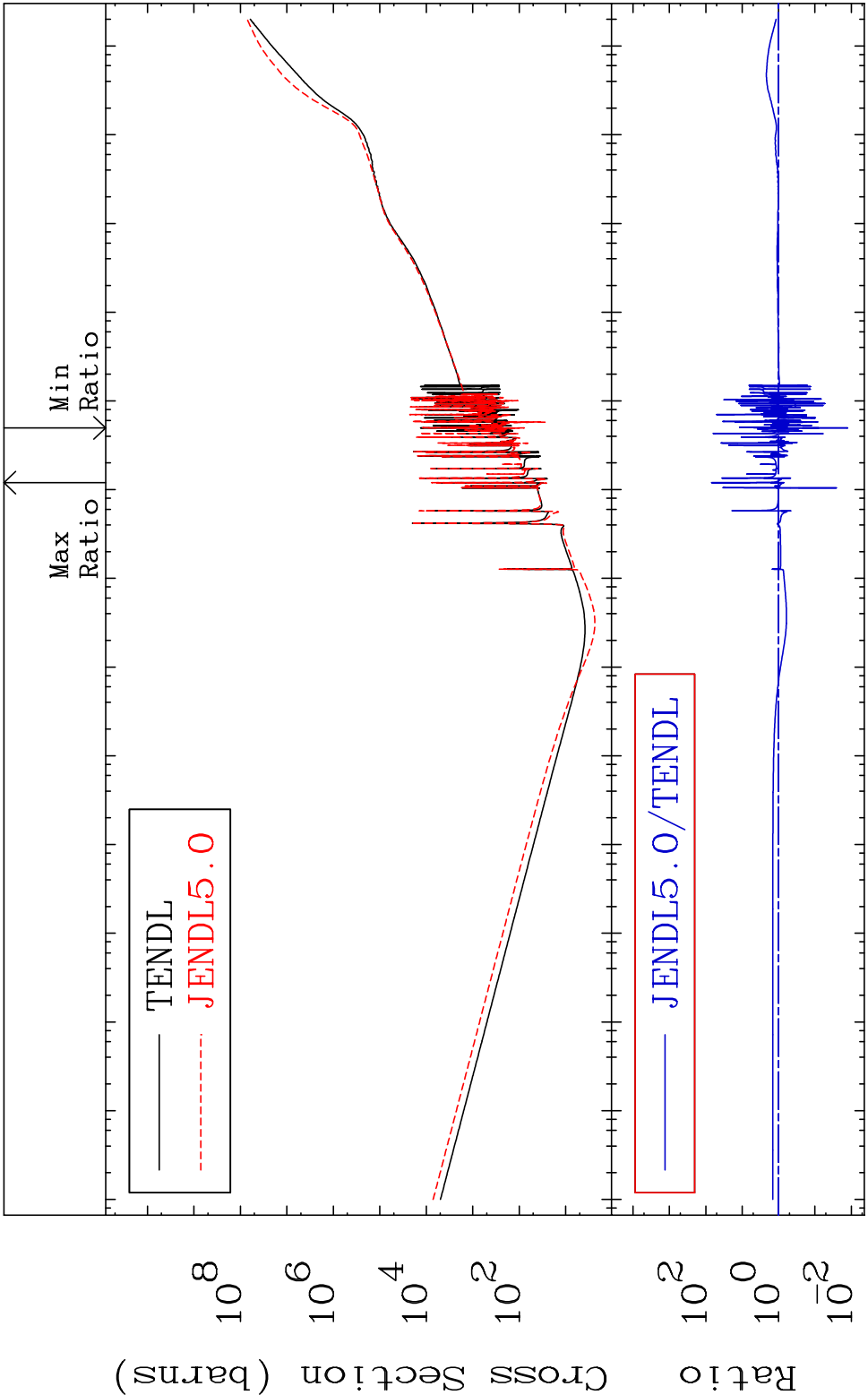


MAT 5646 Total photon (eV-barns) 56-Ba-137
Cross Section -99.98 To 9999. %

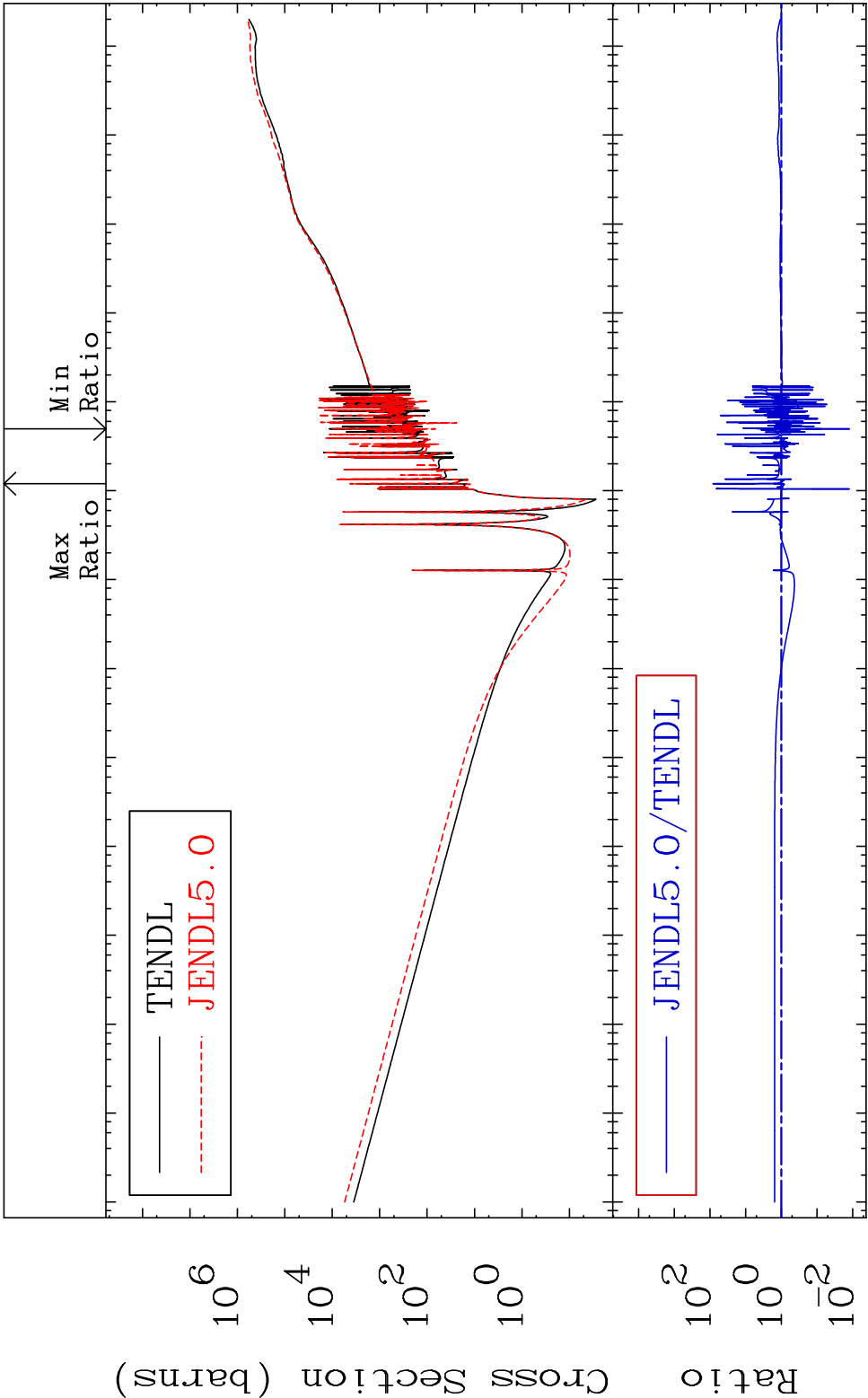


59 Incident Energy (eV) 56-Ba-137

MAT 5646 Total kinematic kerma (high limit) 56-Ba-137
Cross Section -98.75 To 6937. %

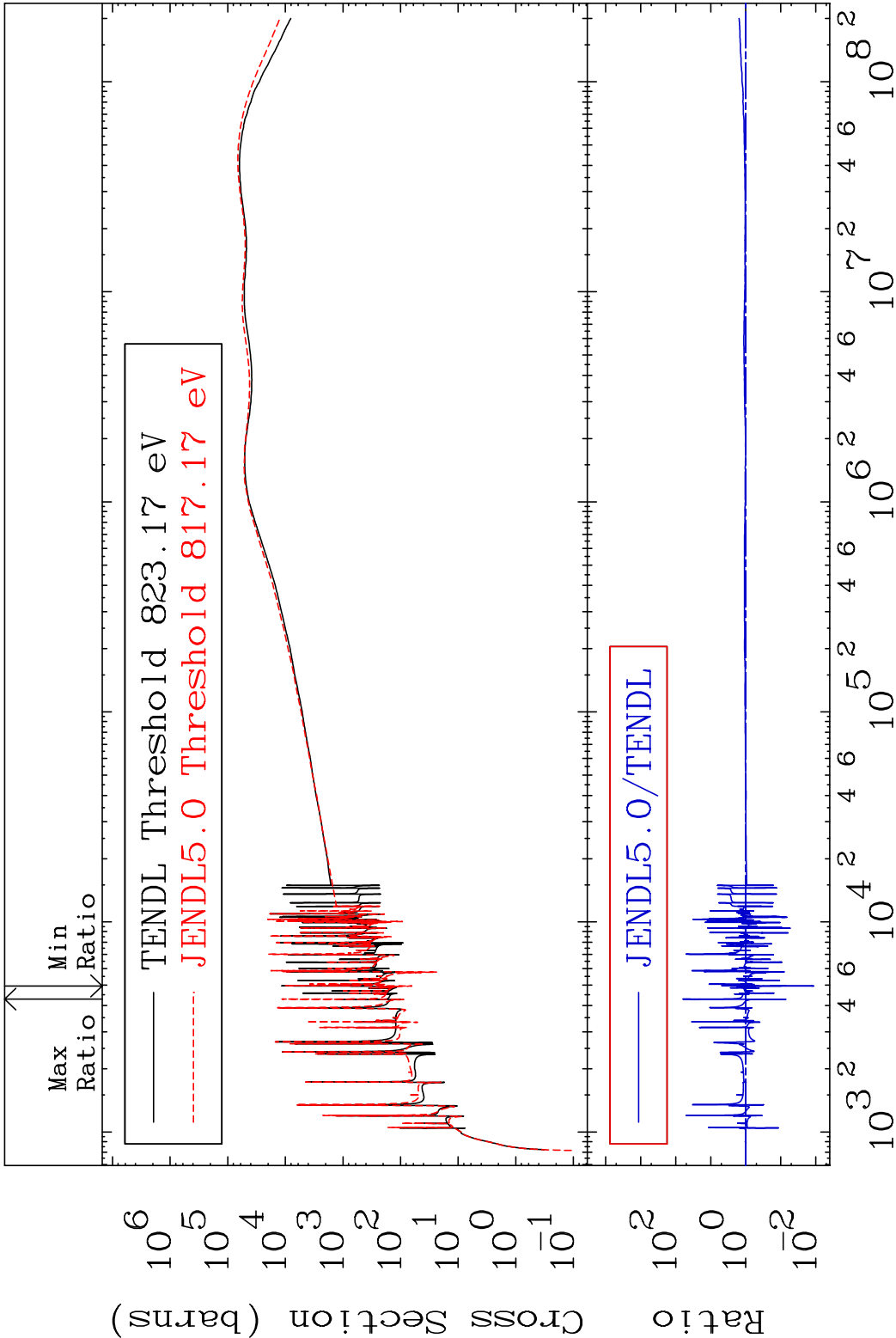


MAT 5646 Dpa total (eV-barns) 56-Ba-137
Cross Section -98.76 To 8220. %



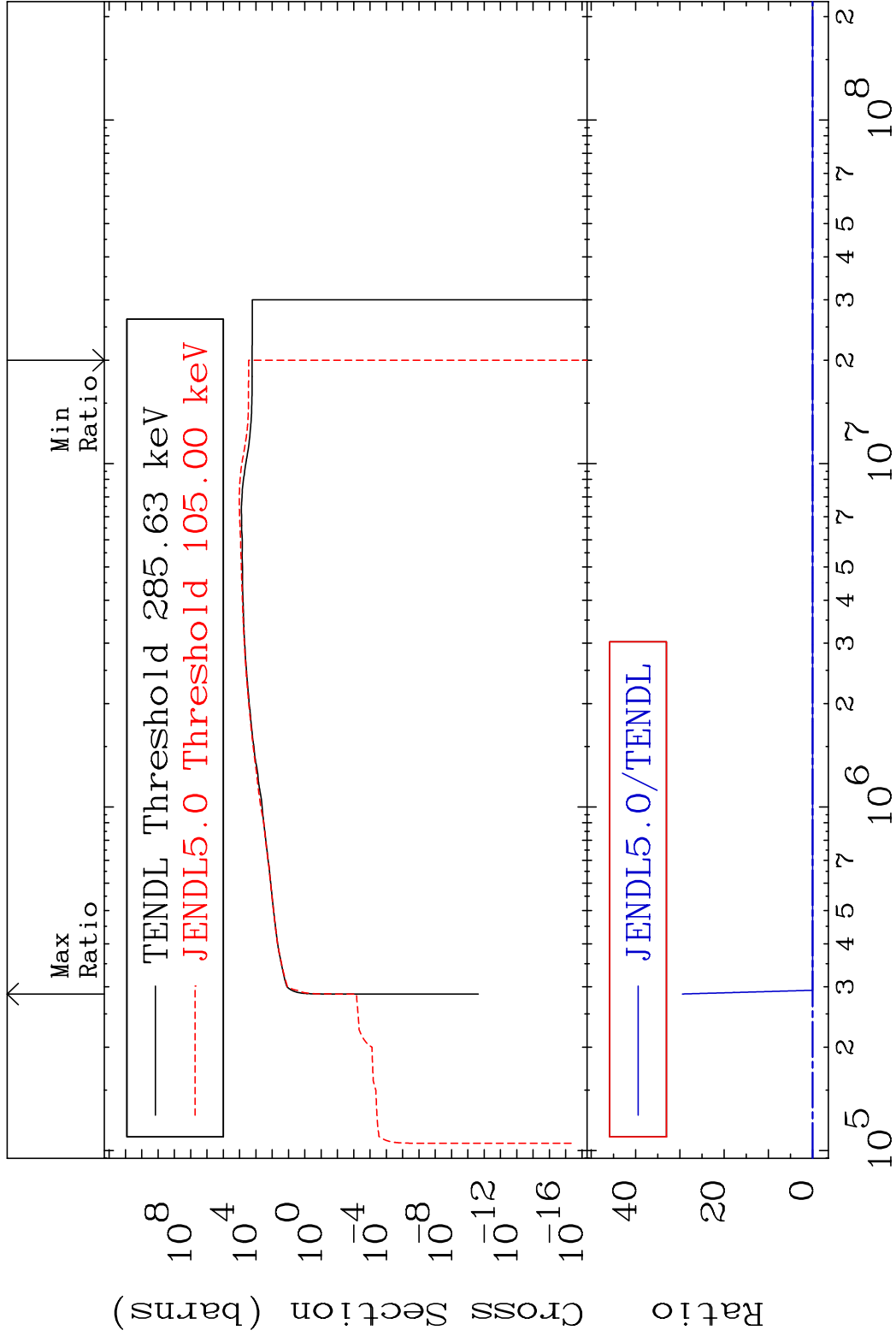
61 Incident Energy (eV) 56-Ba-137

MAT 5646 Dpa elastic (mt2) 56-Ba-137
Cross Section -98.86 To 6058. %



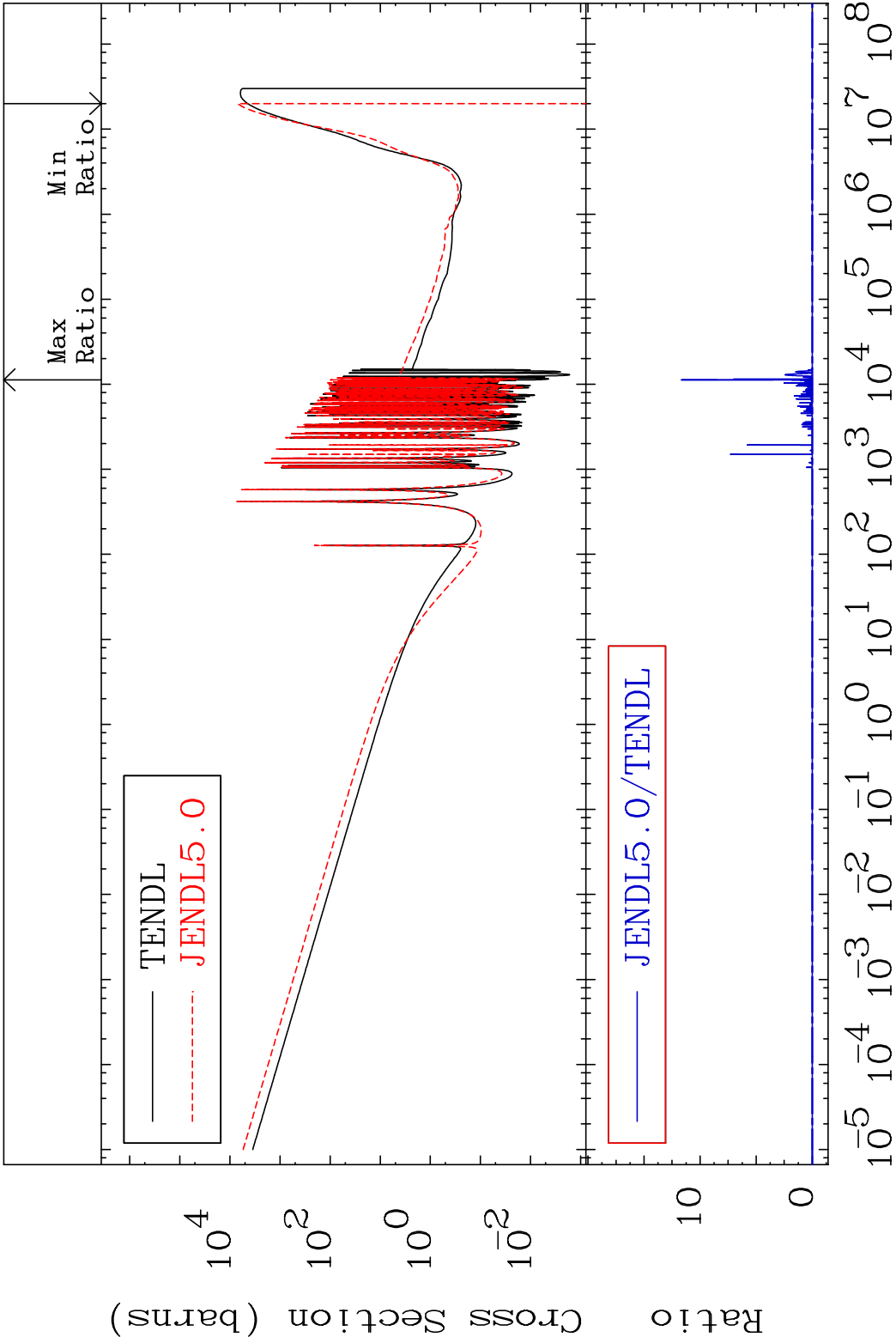
62 Incident Energy (eV) 56-Ba-137

MAT 5646 Dpa inelastic (mt51-91) 56-Ba-137
Cross Section -100.0 To 9999. %

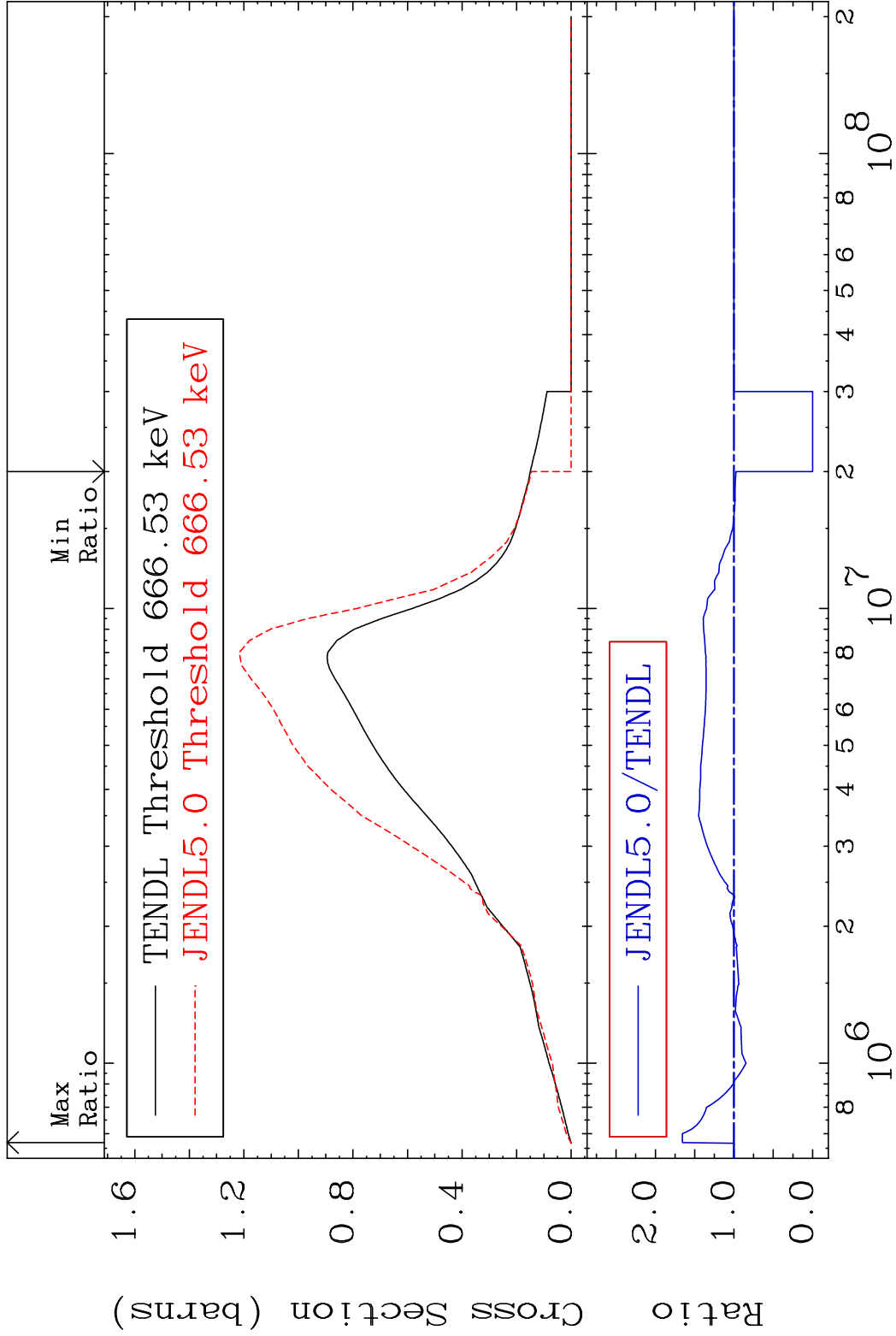


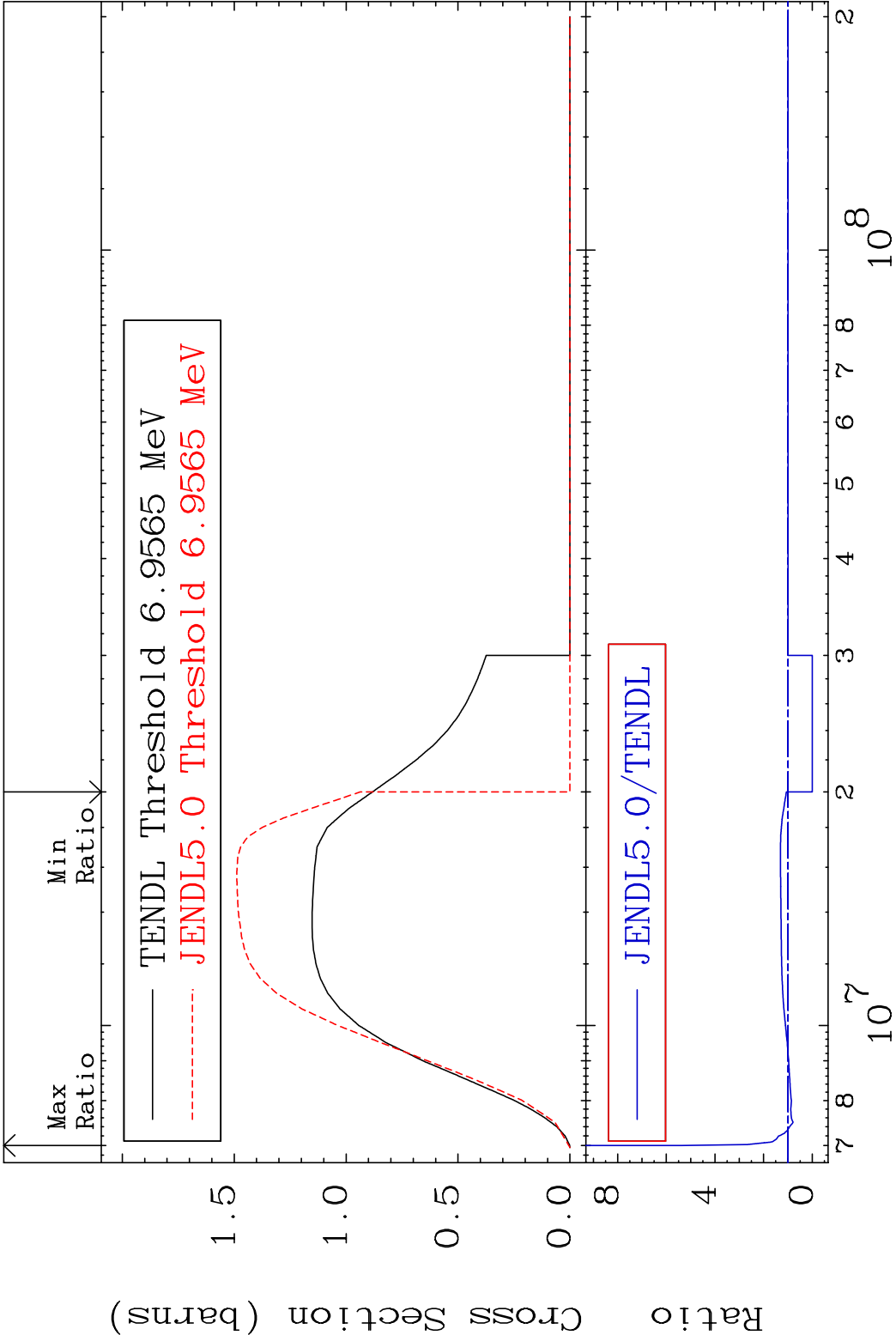
63 Incident Energy (eV) 56-Ba-137

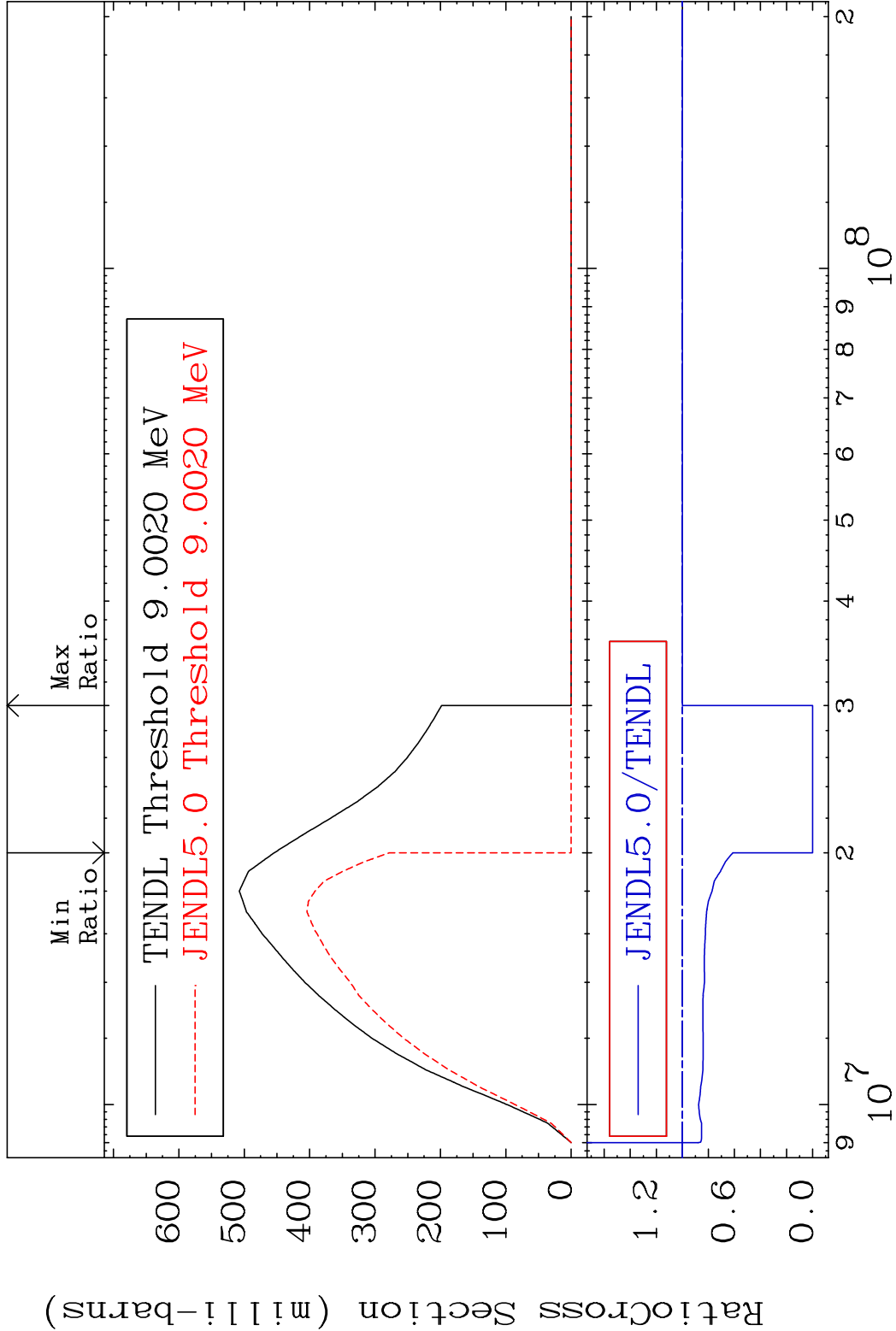
MAT 5646 Dpa disappearance (mt102 -120) 56-Ba-137
Cross Section -100.0 To 9999. %

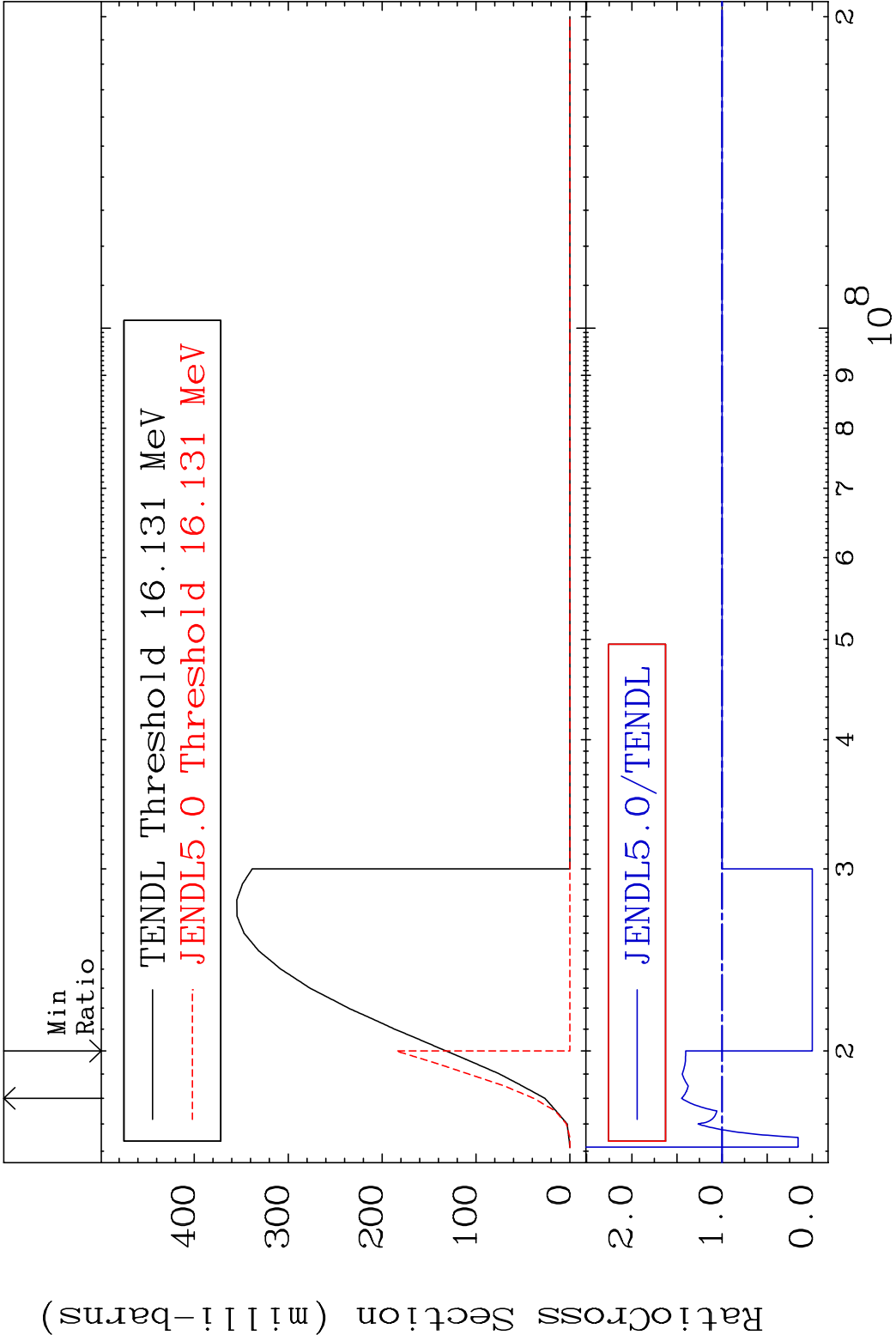


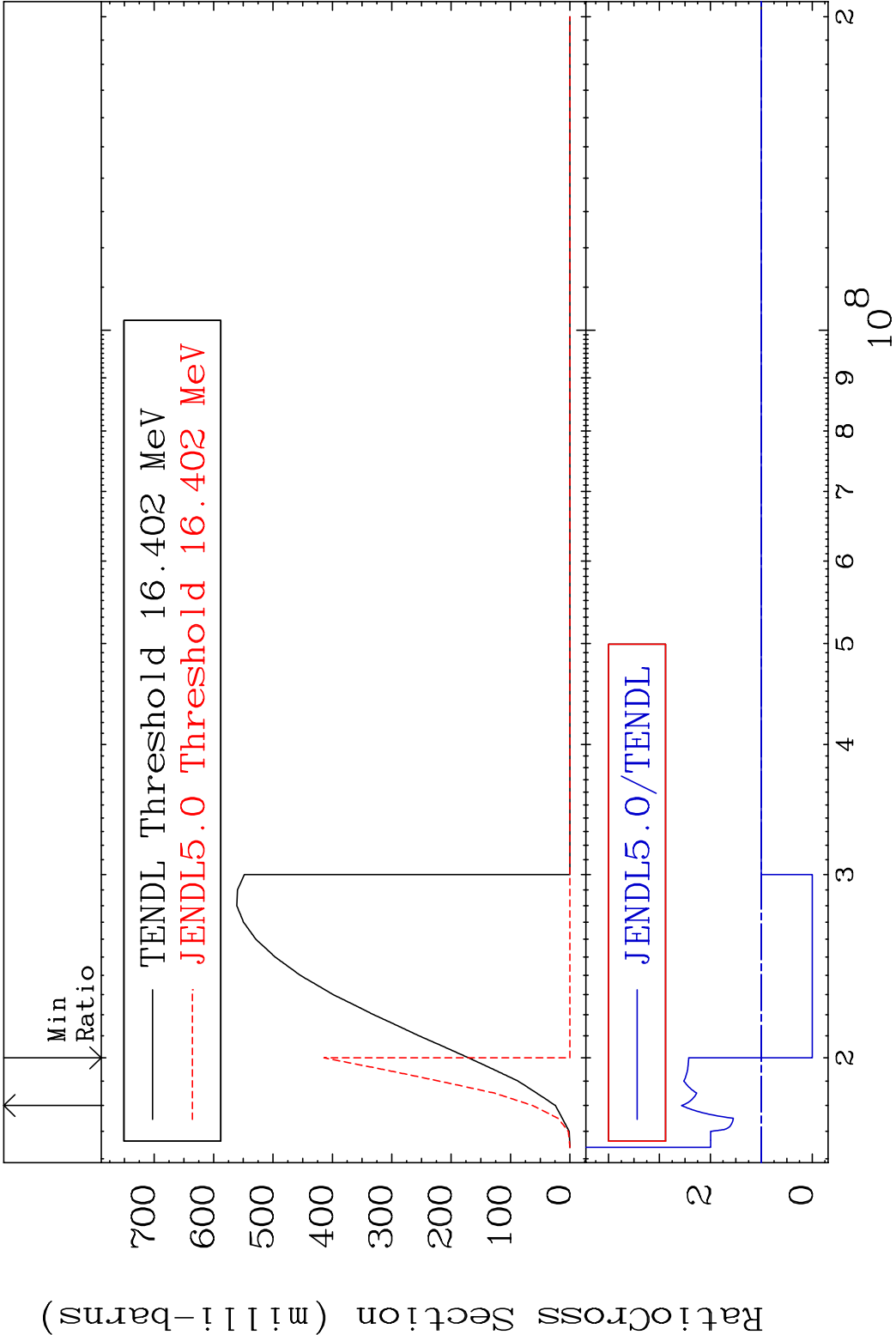
64 Incident Energy (eV) 56-Ba-137

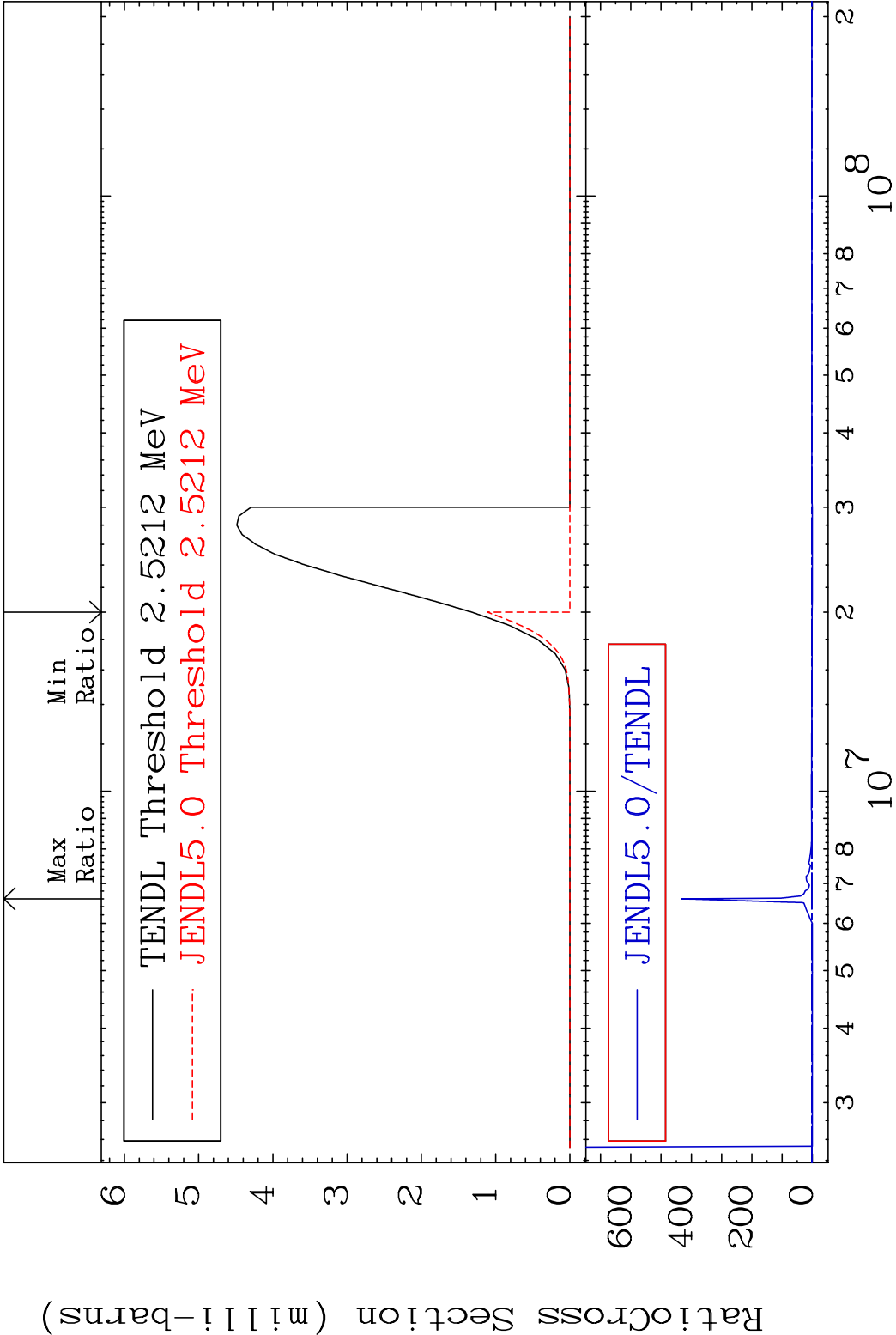


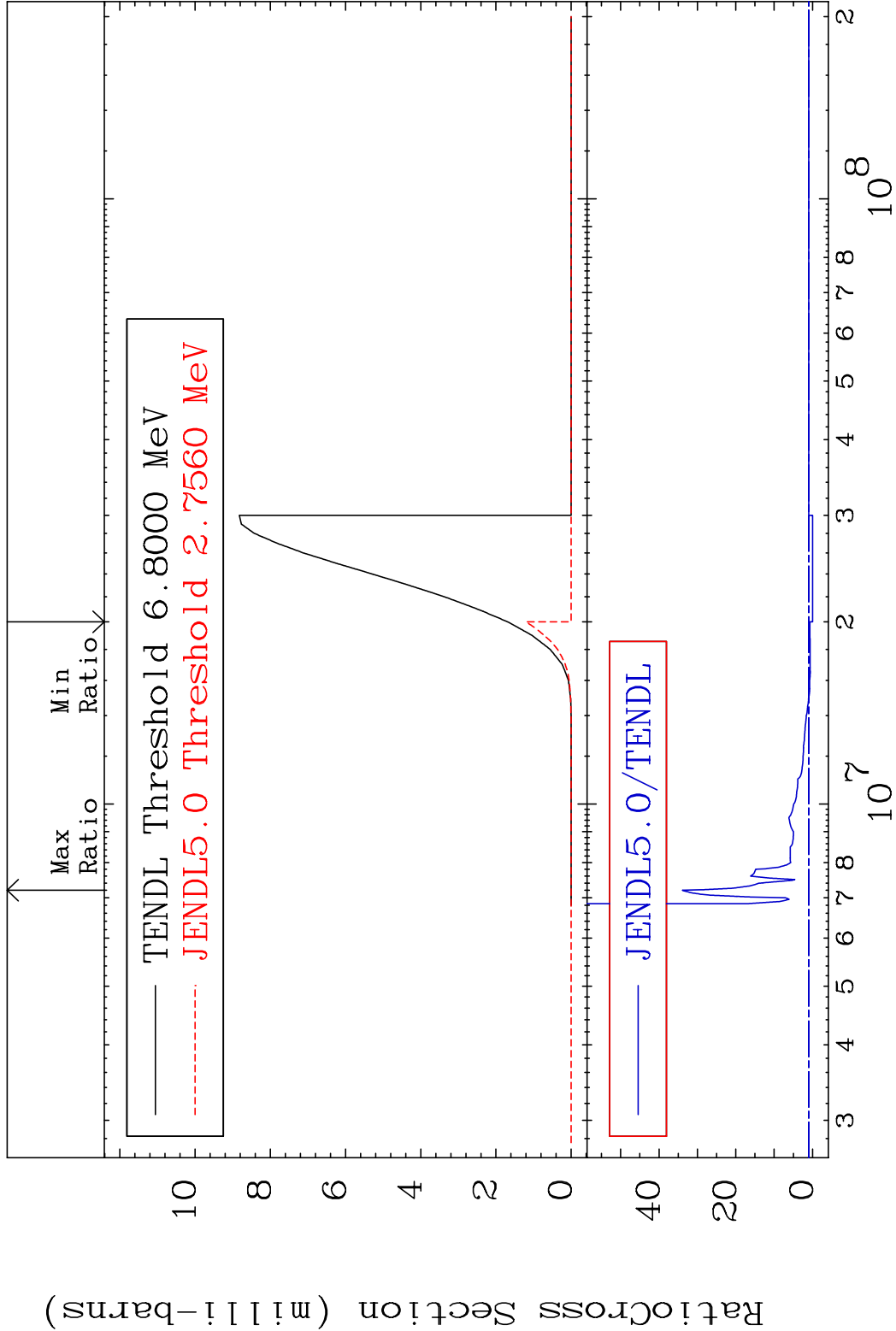


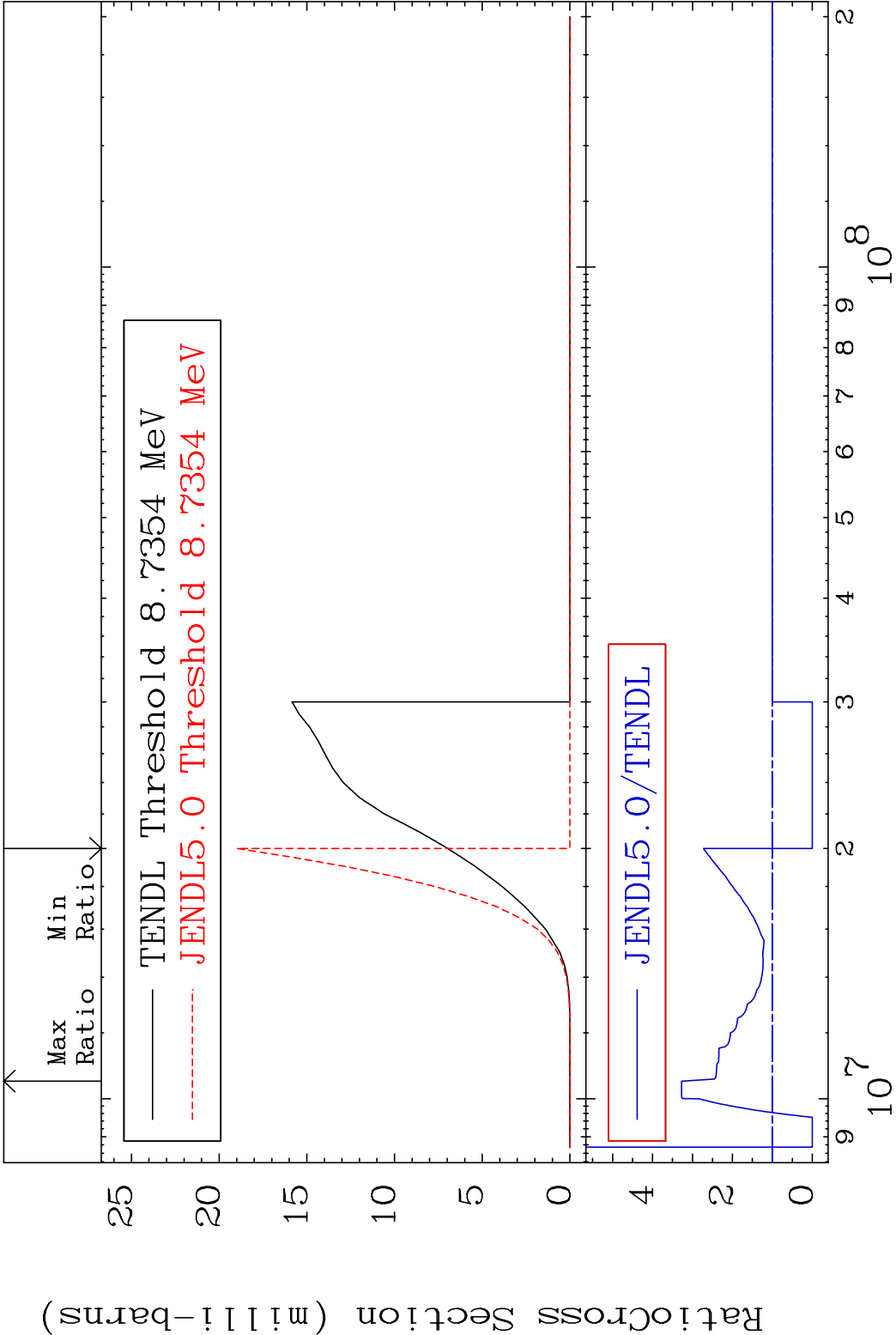


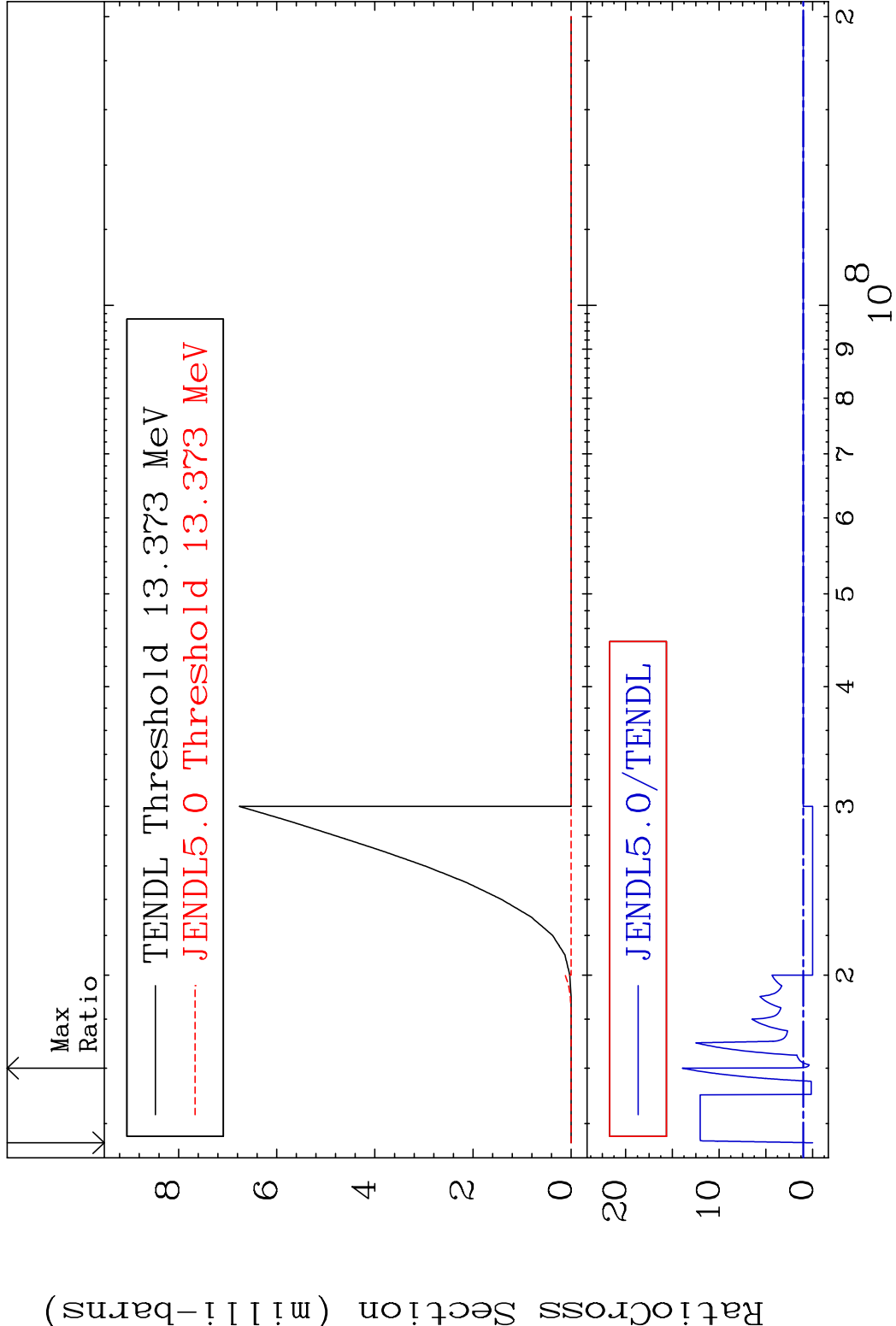


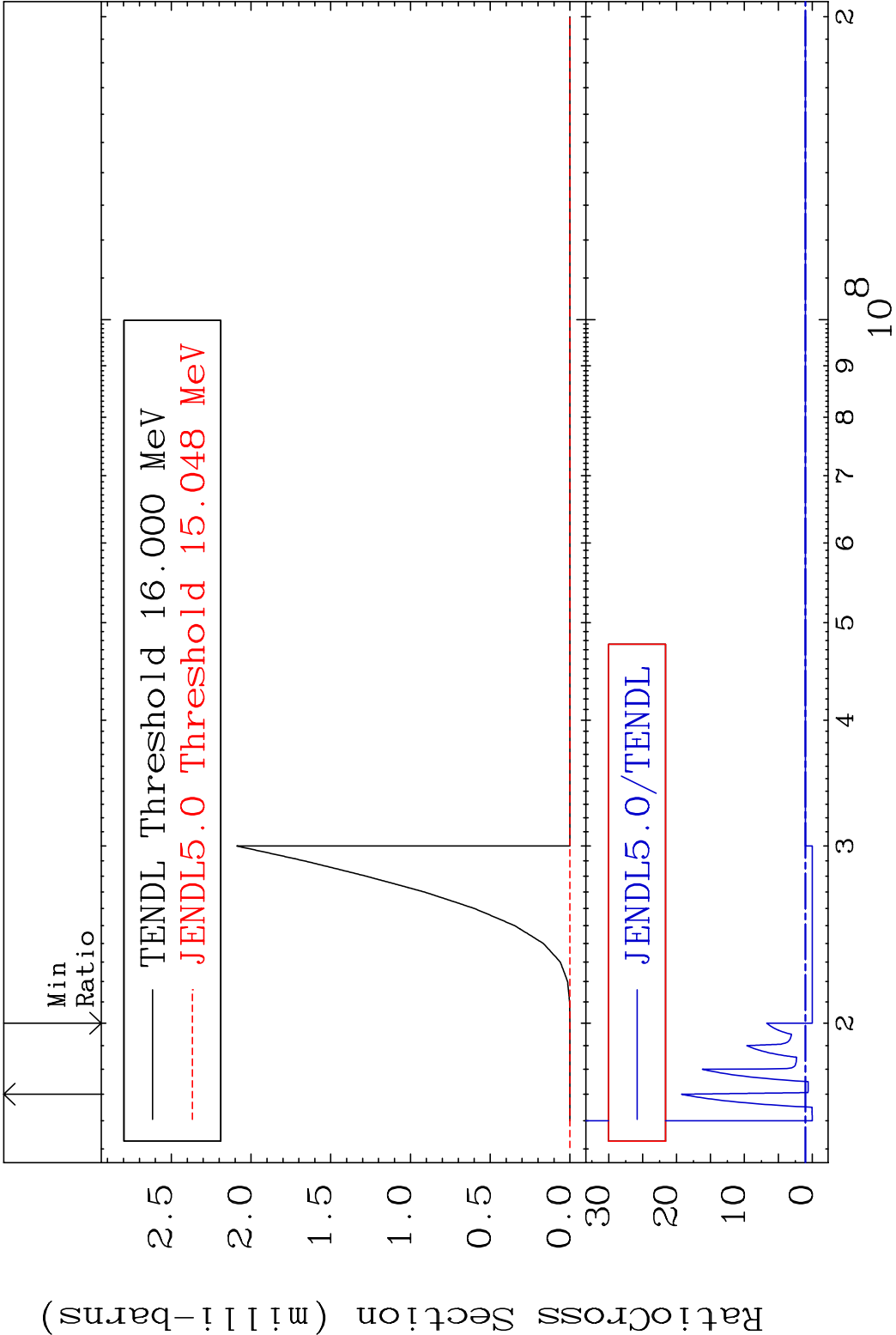


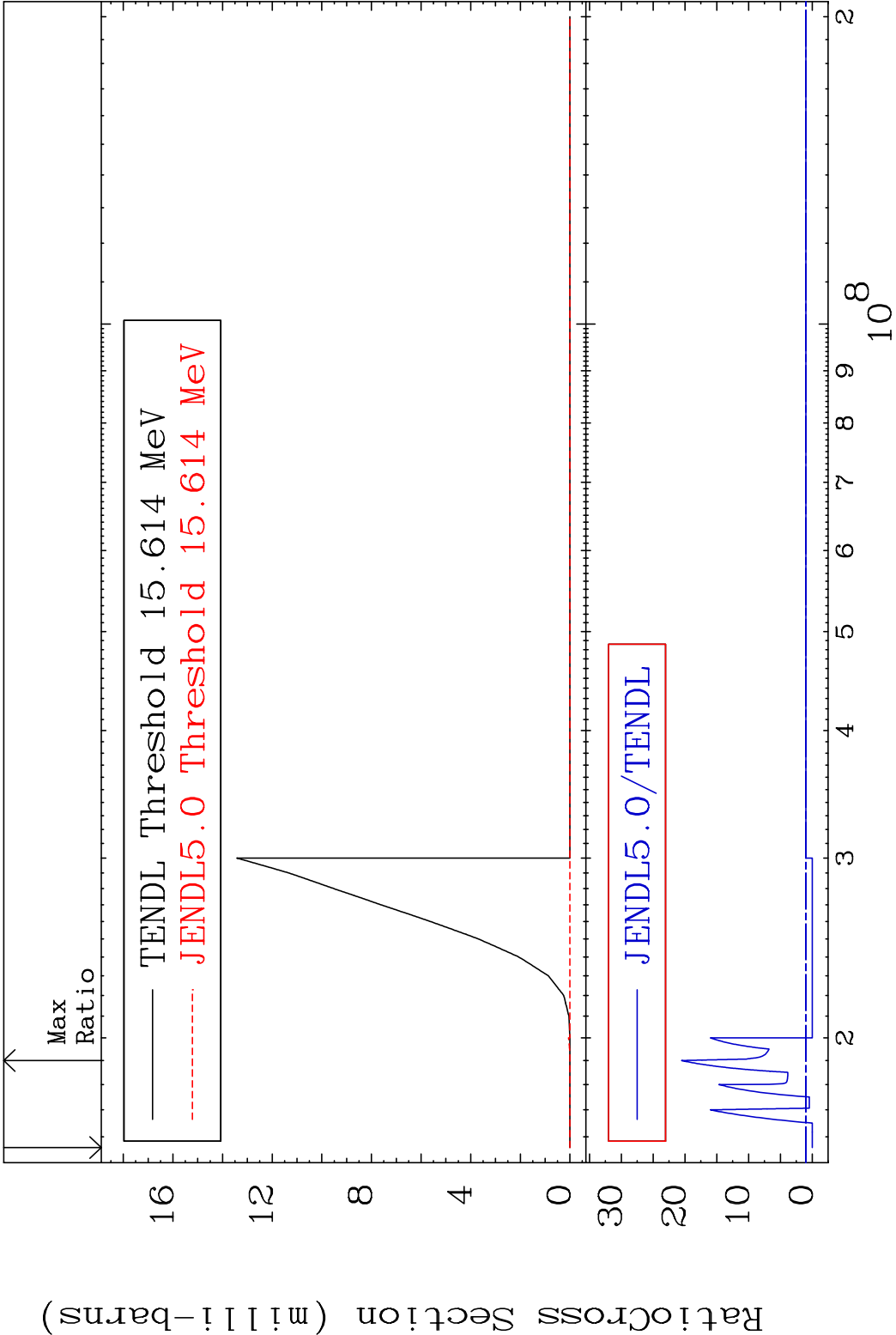


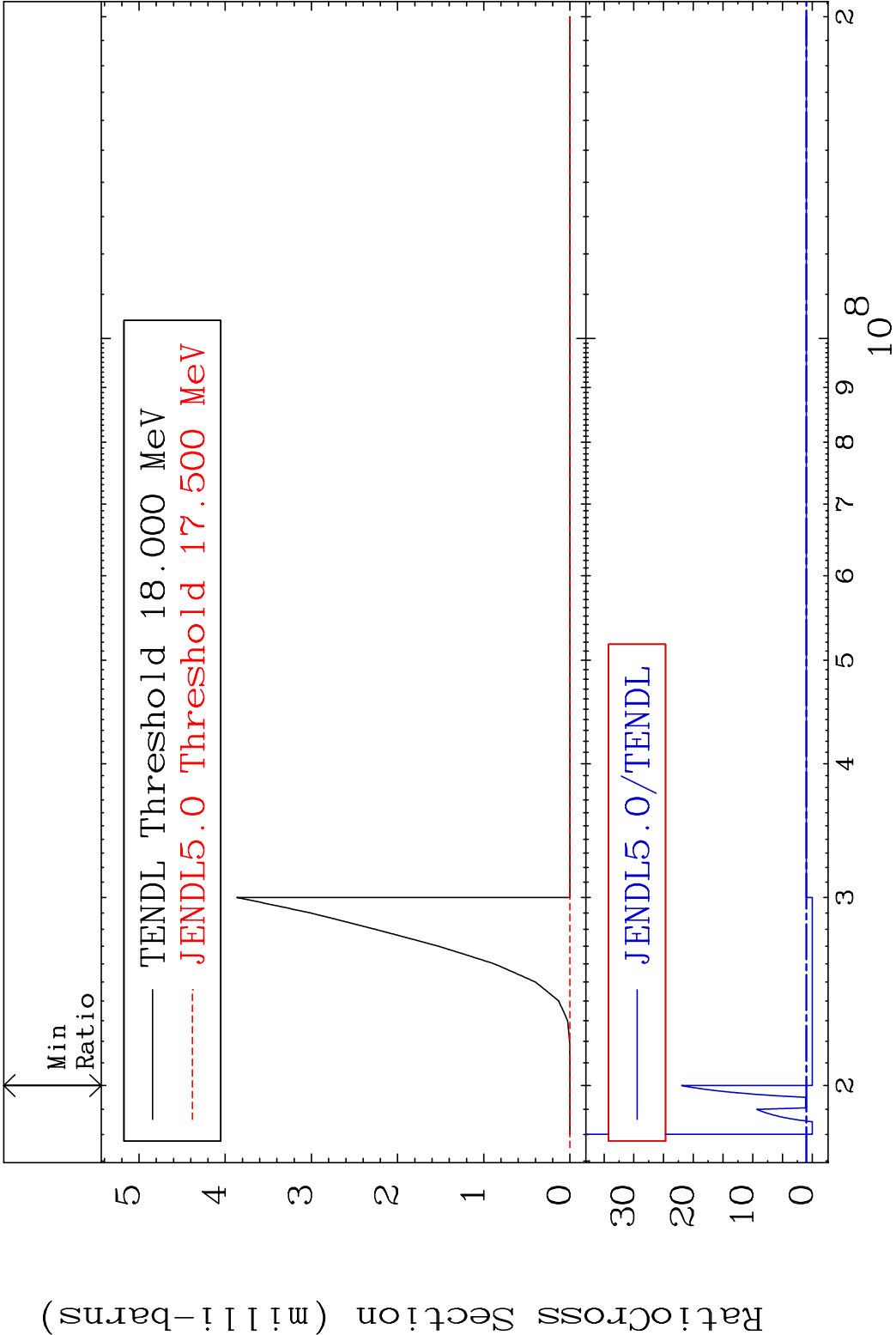


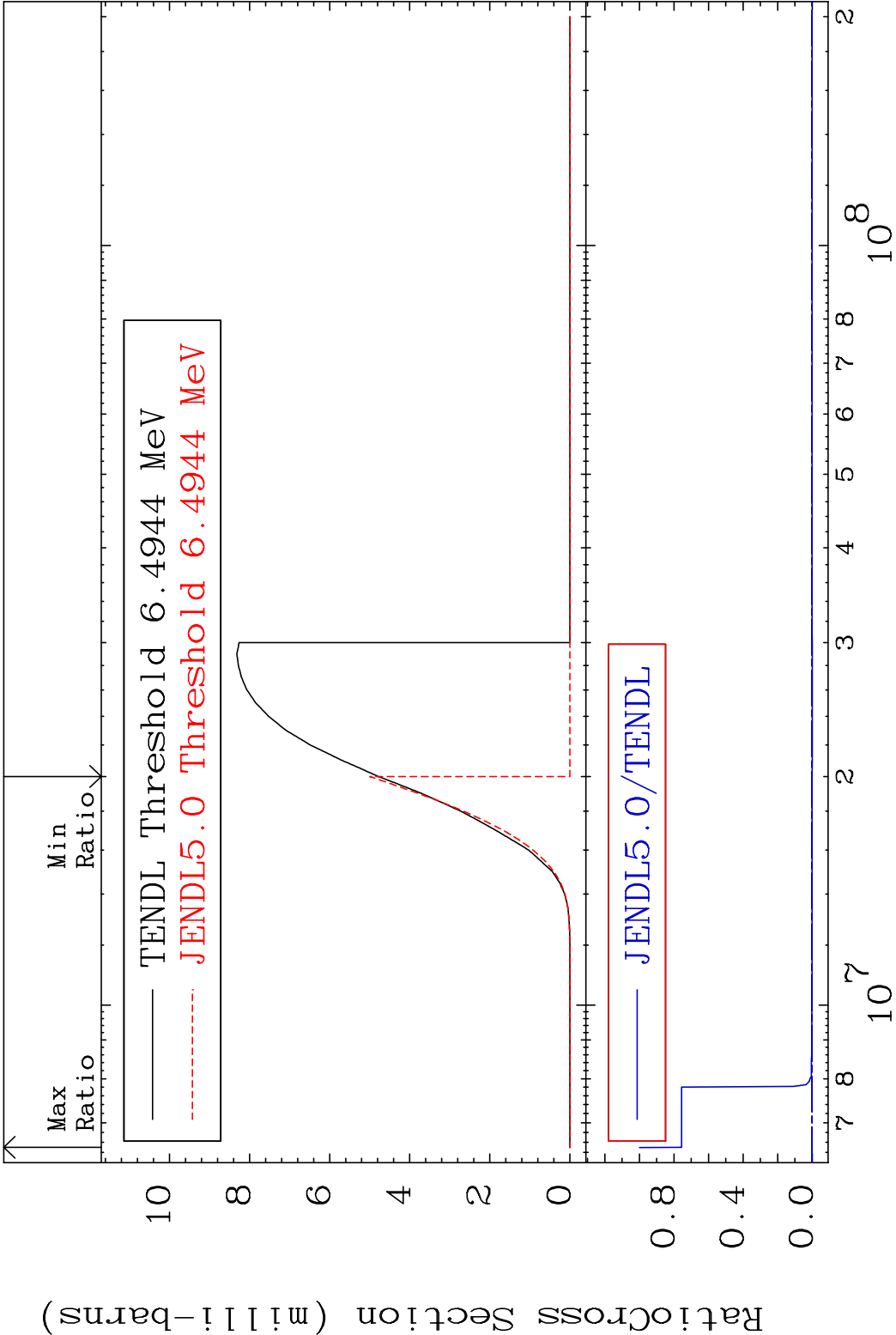


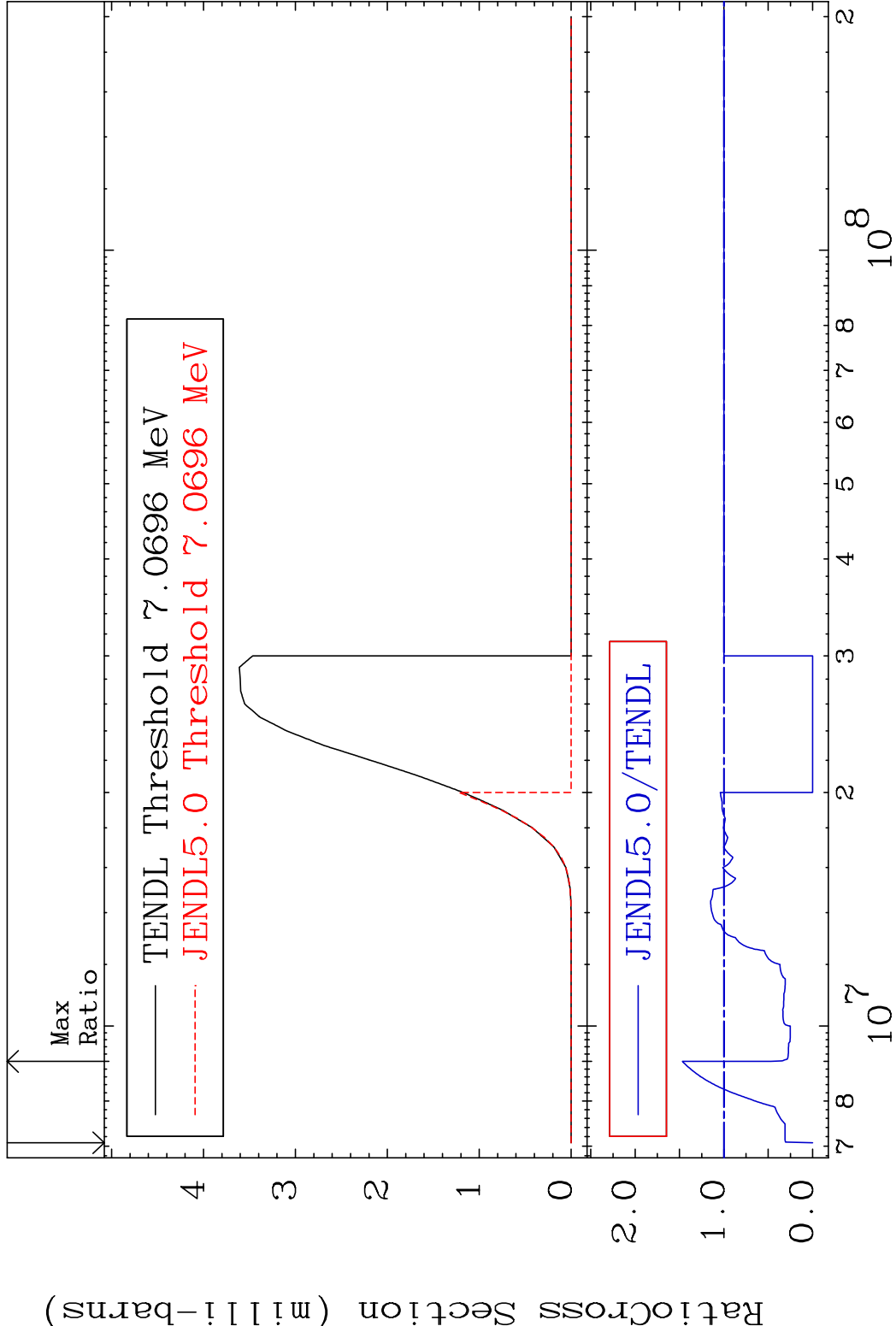


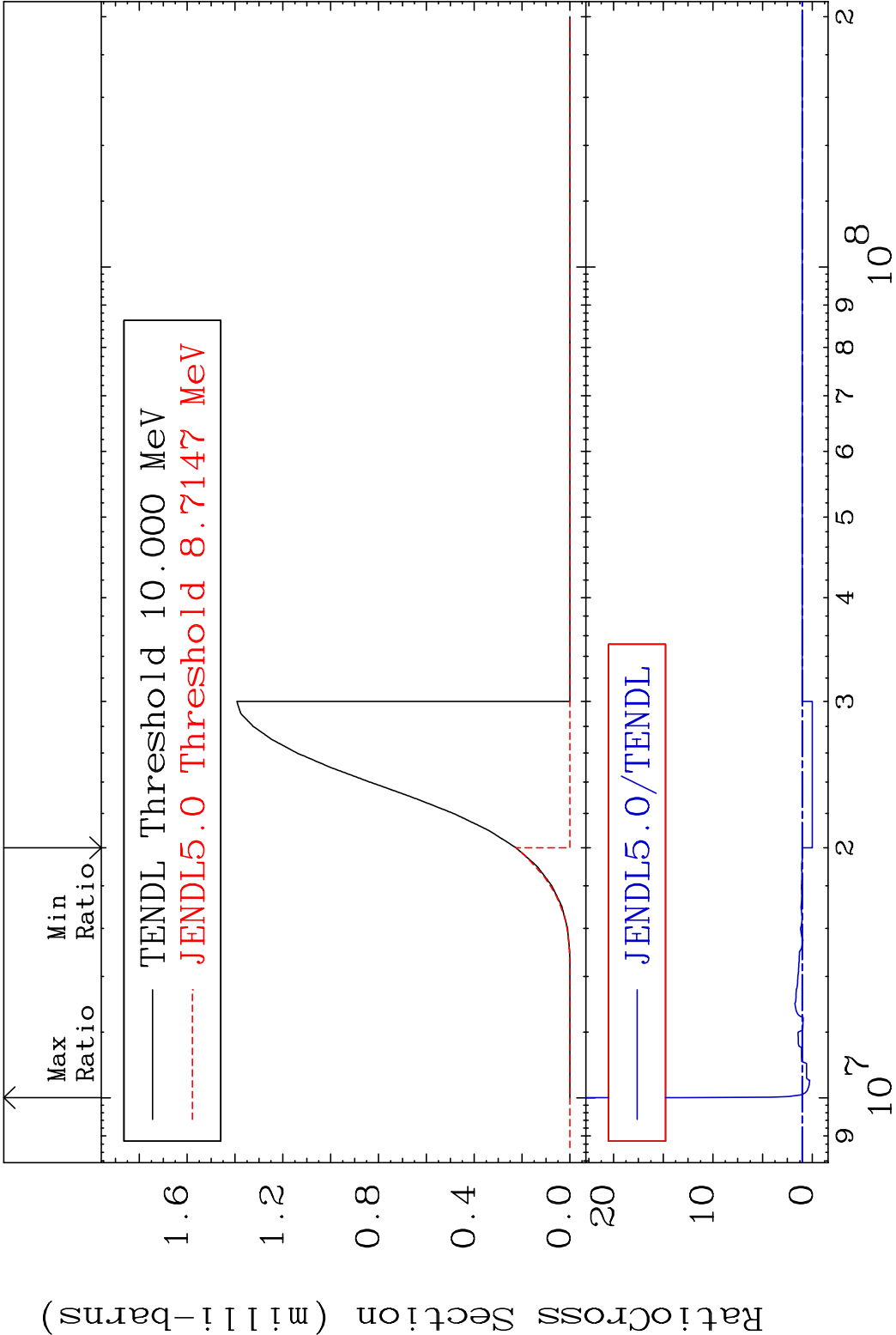


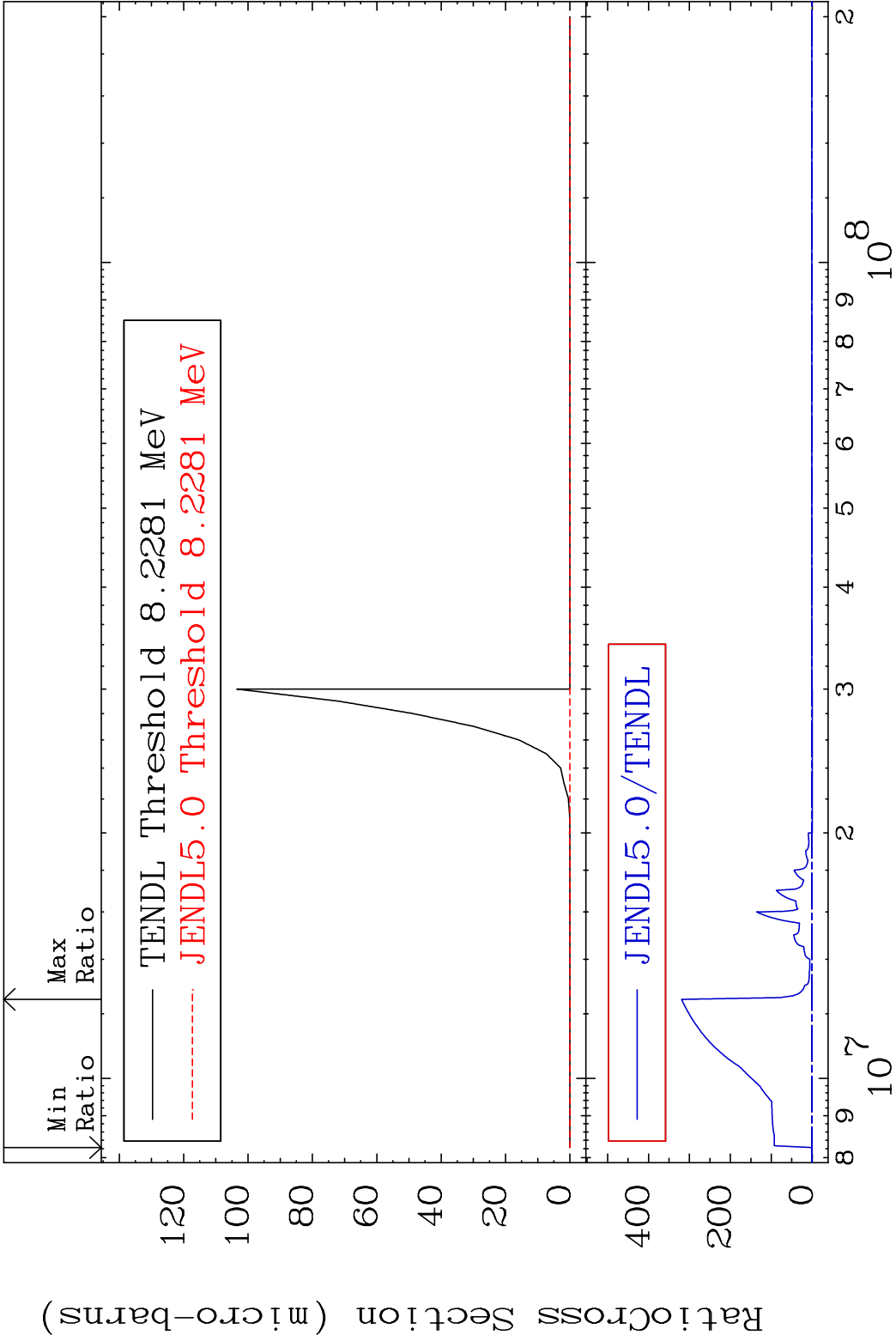


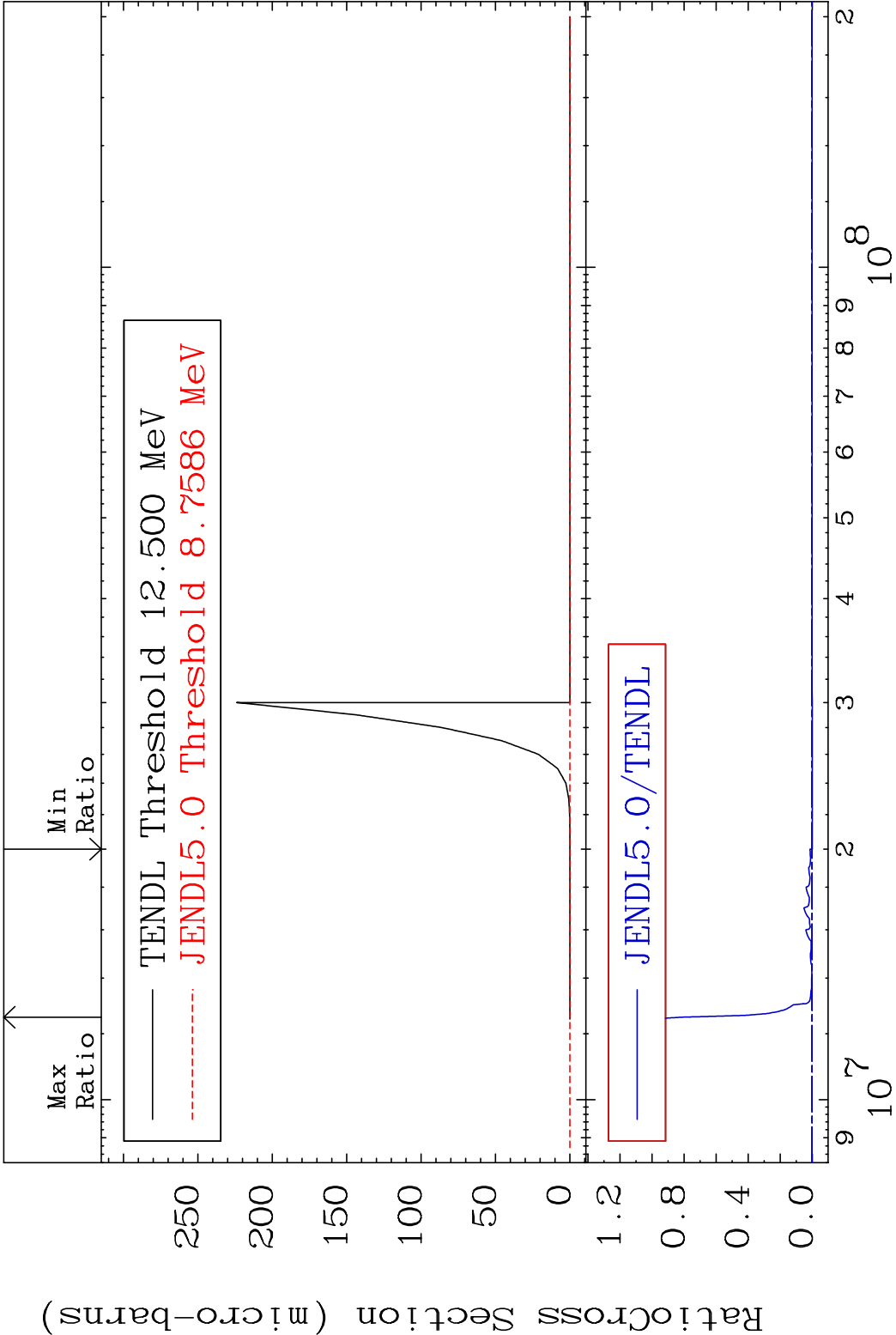


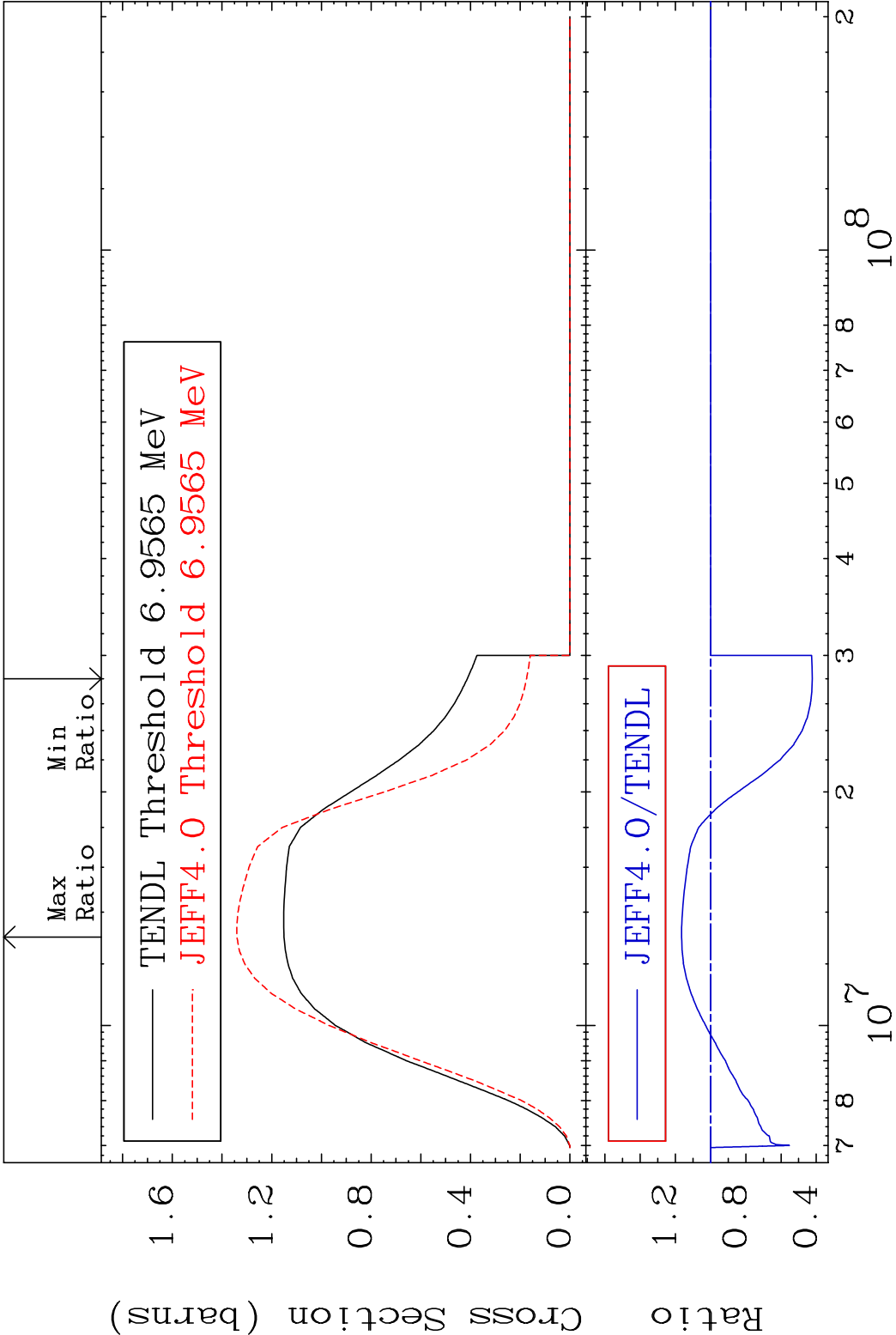


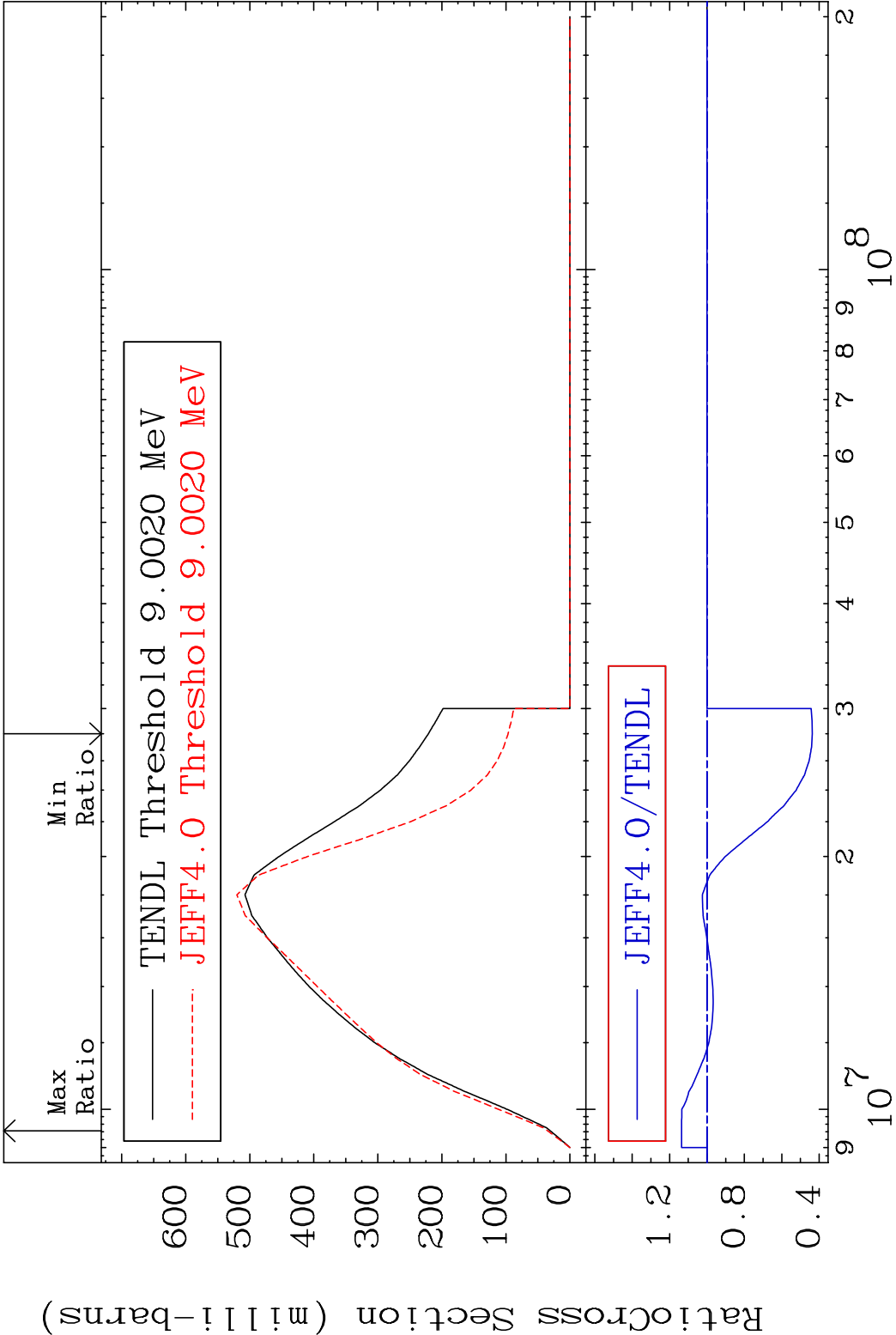


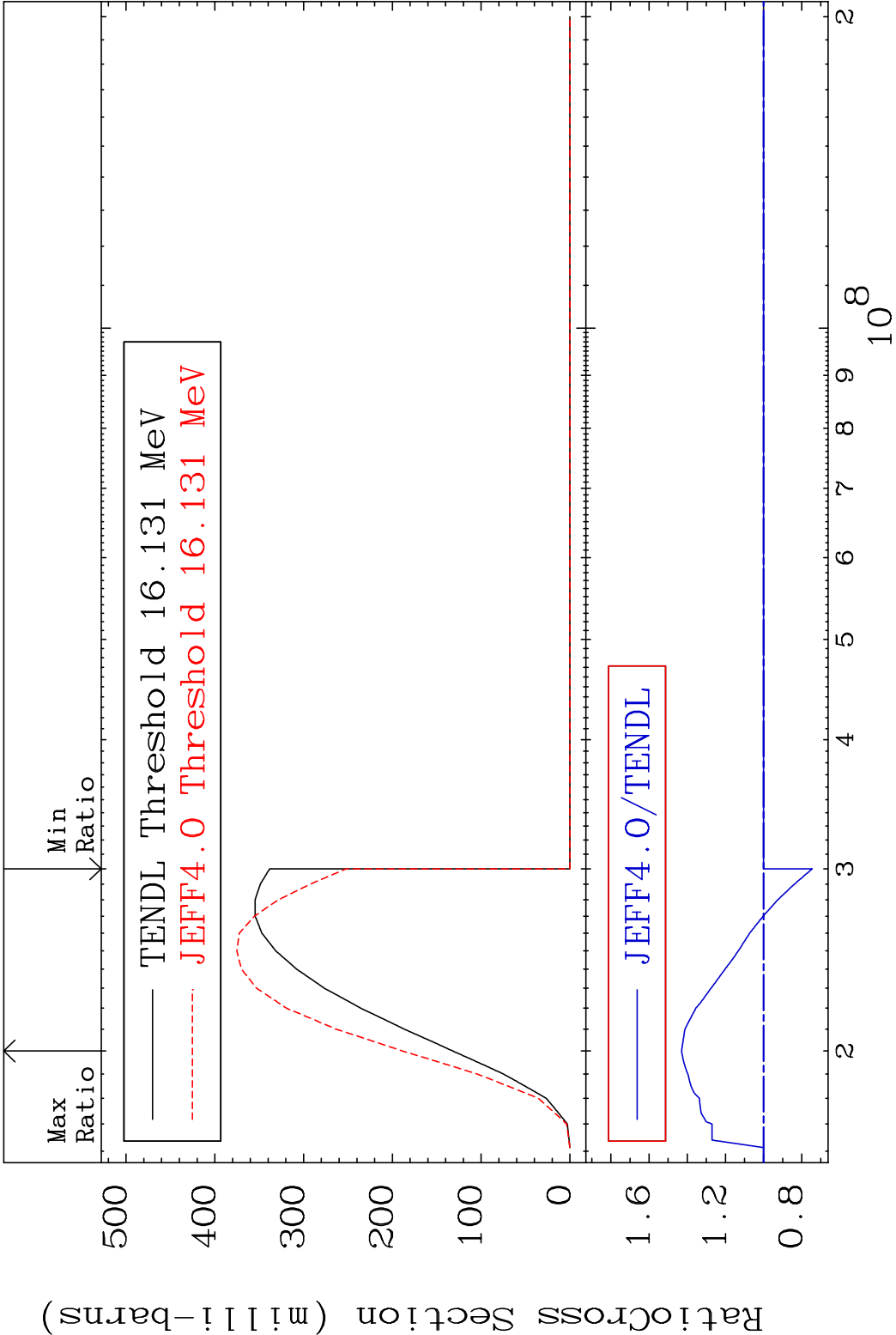


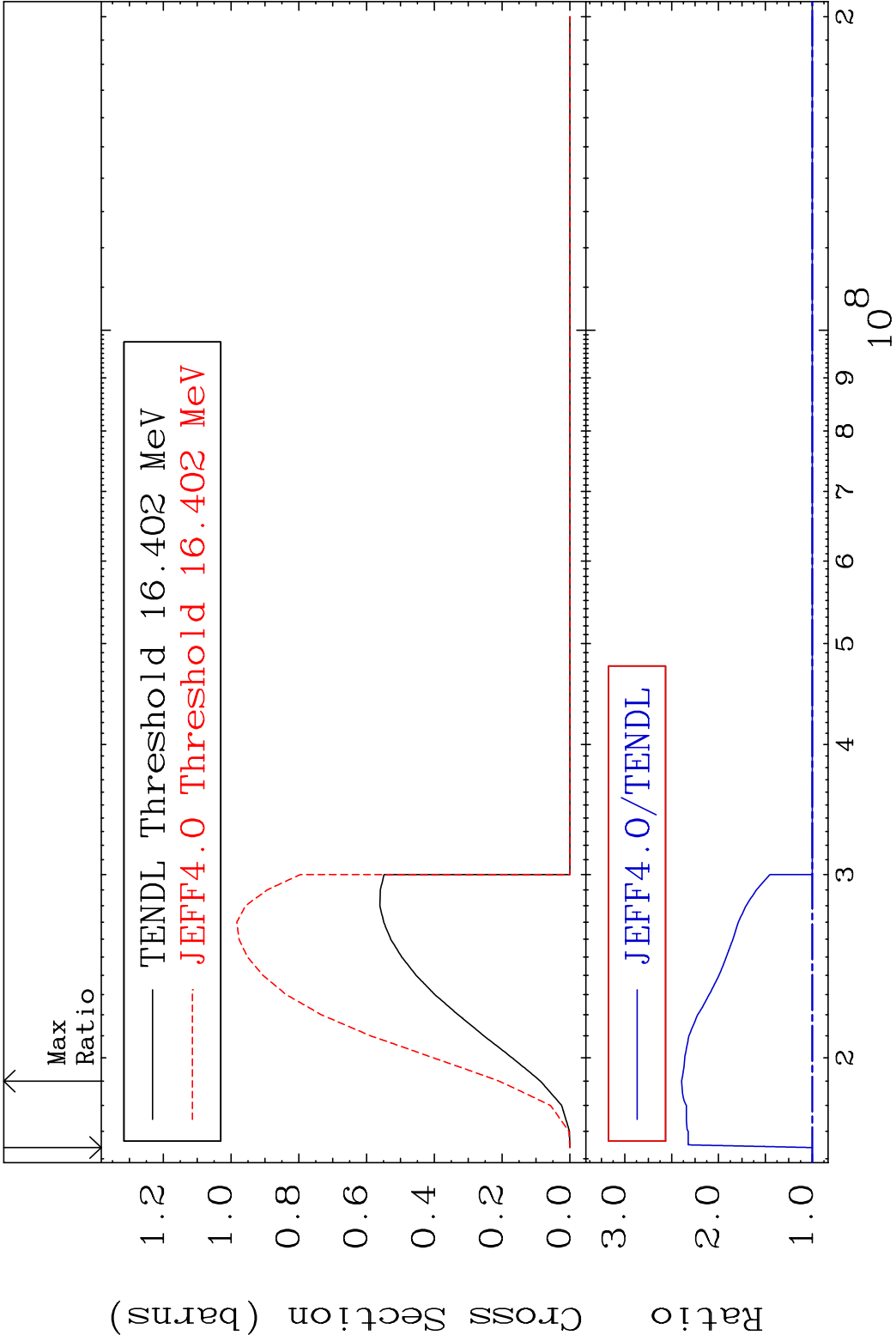


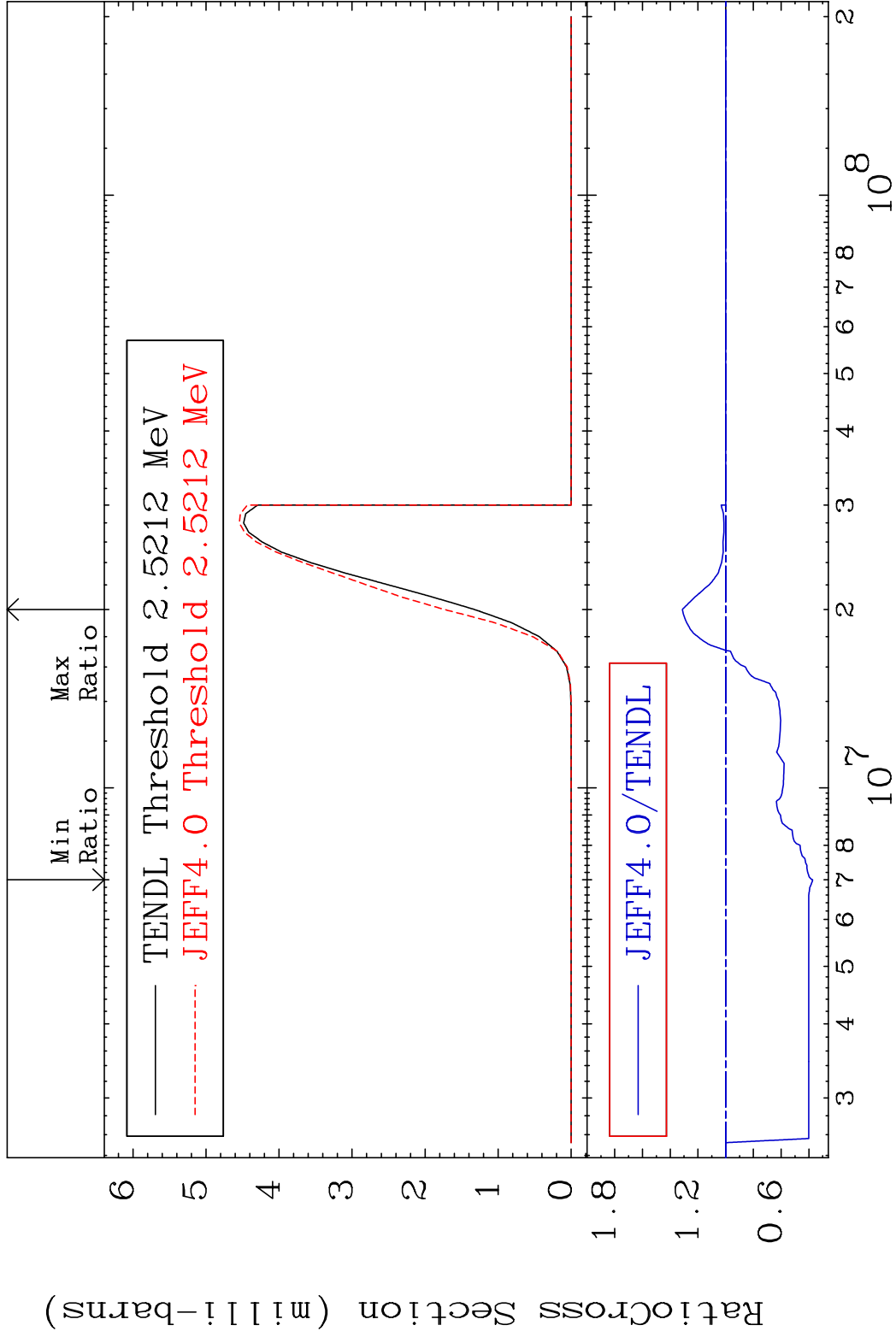


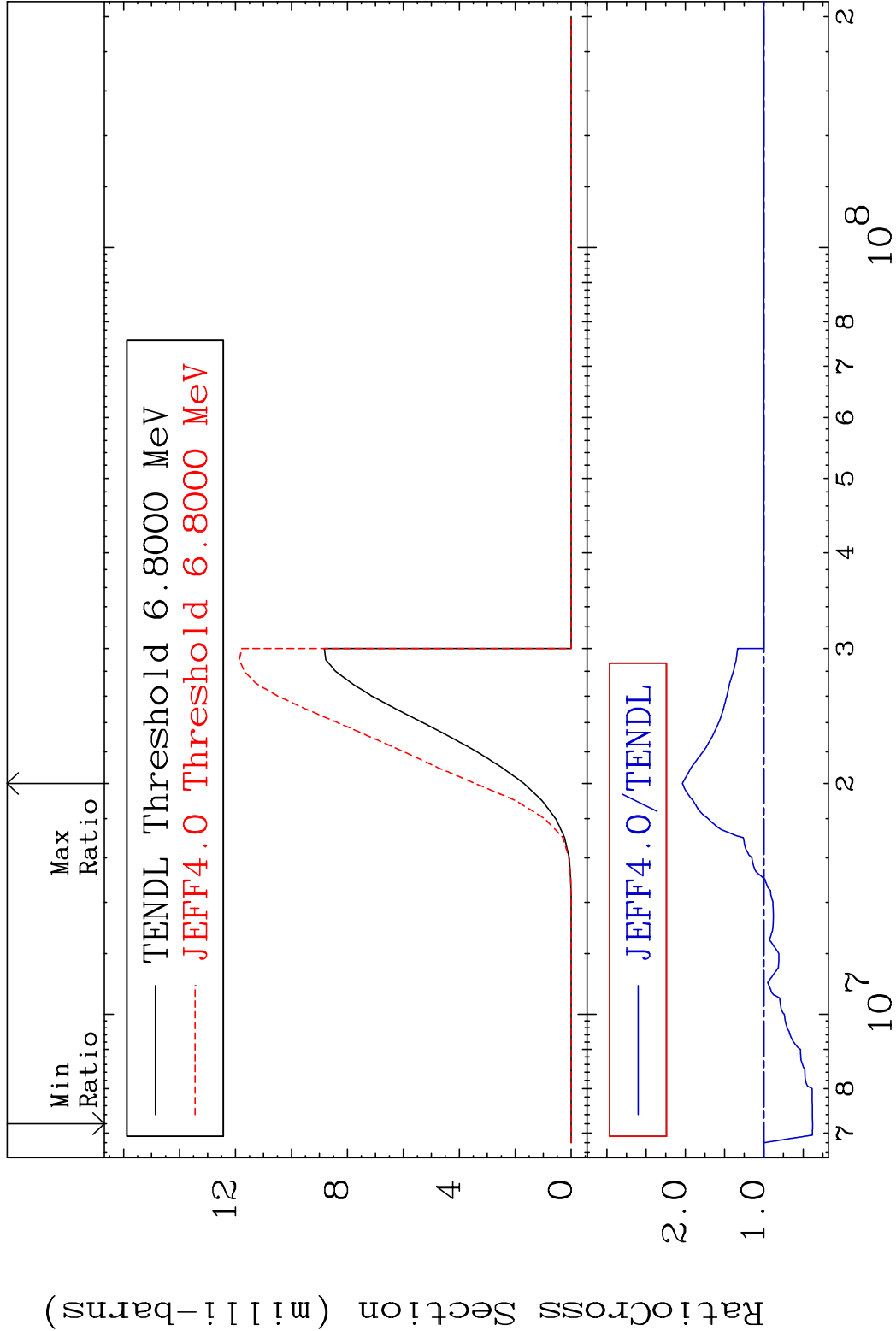


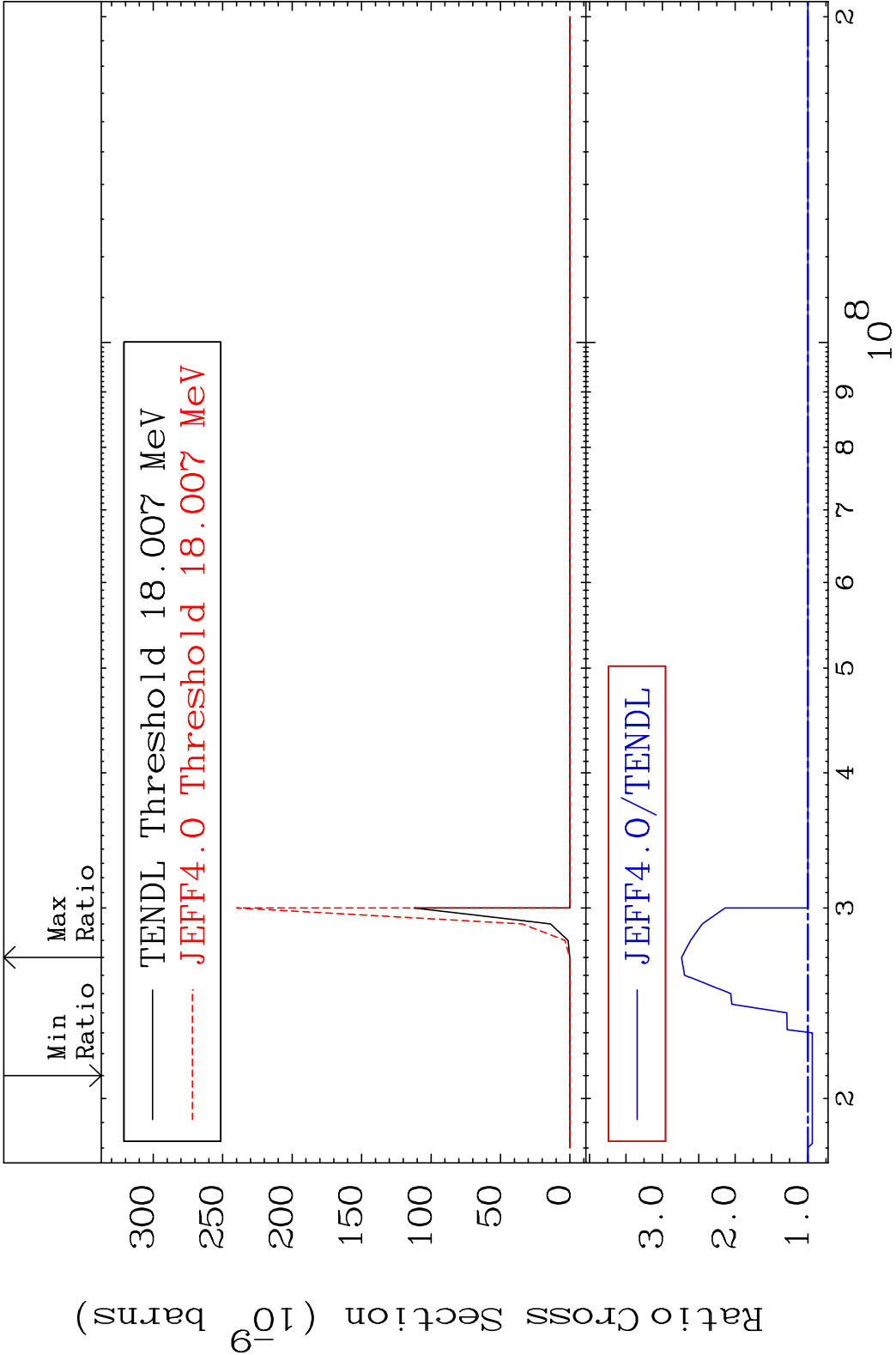




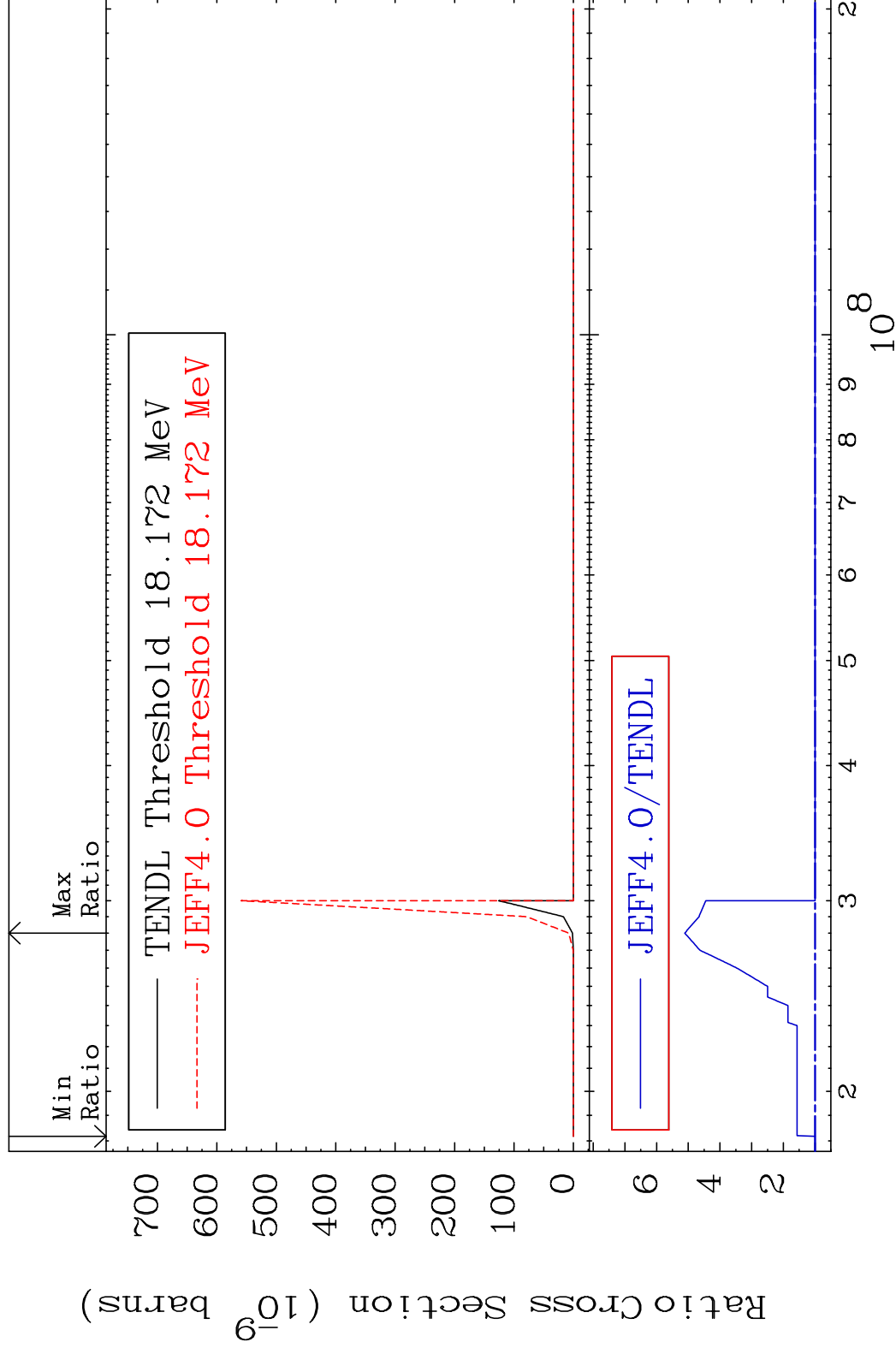


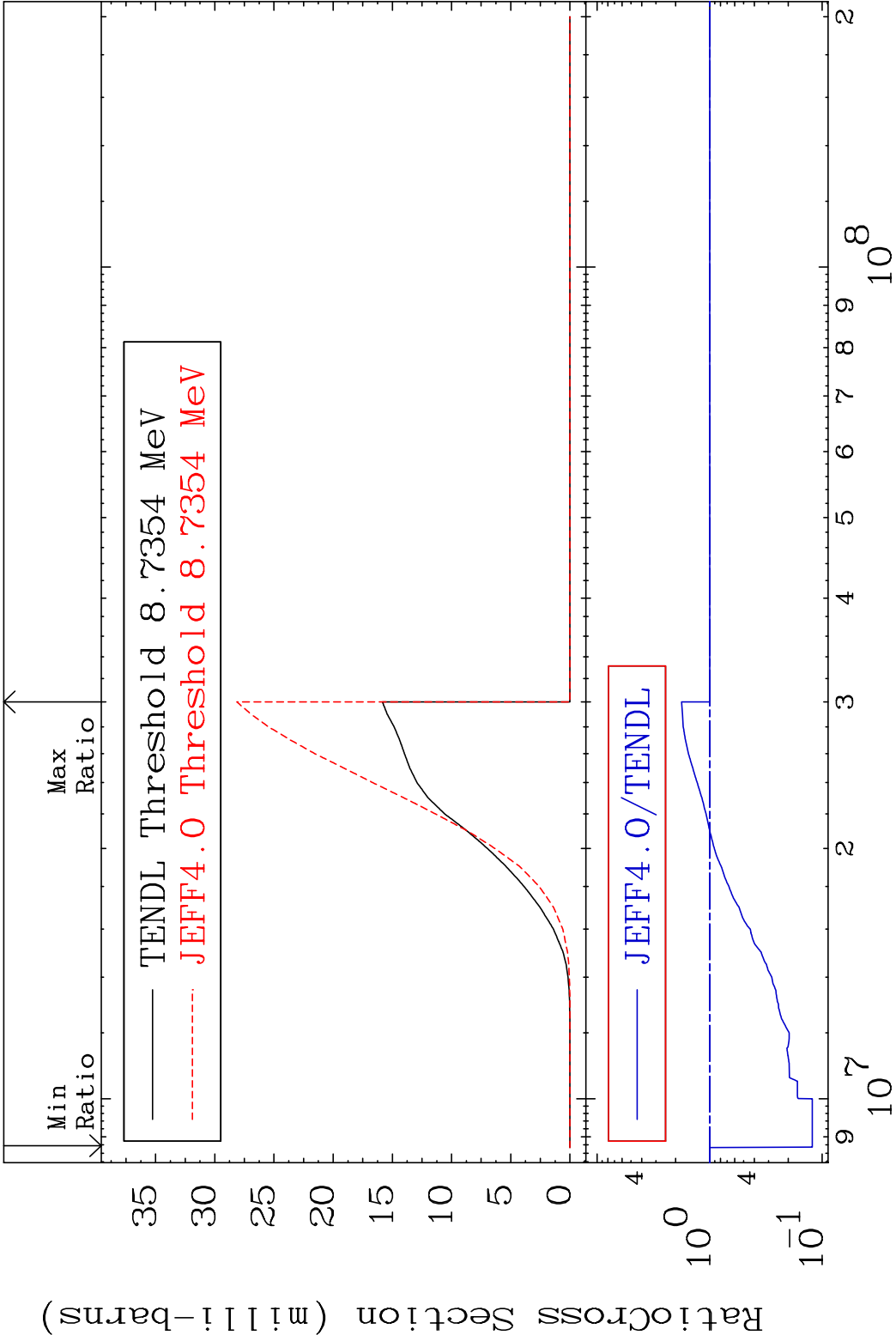


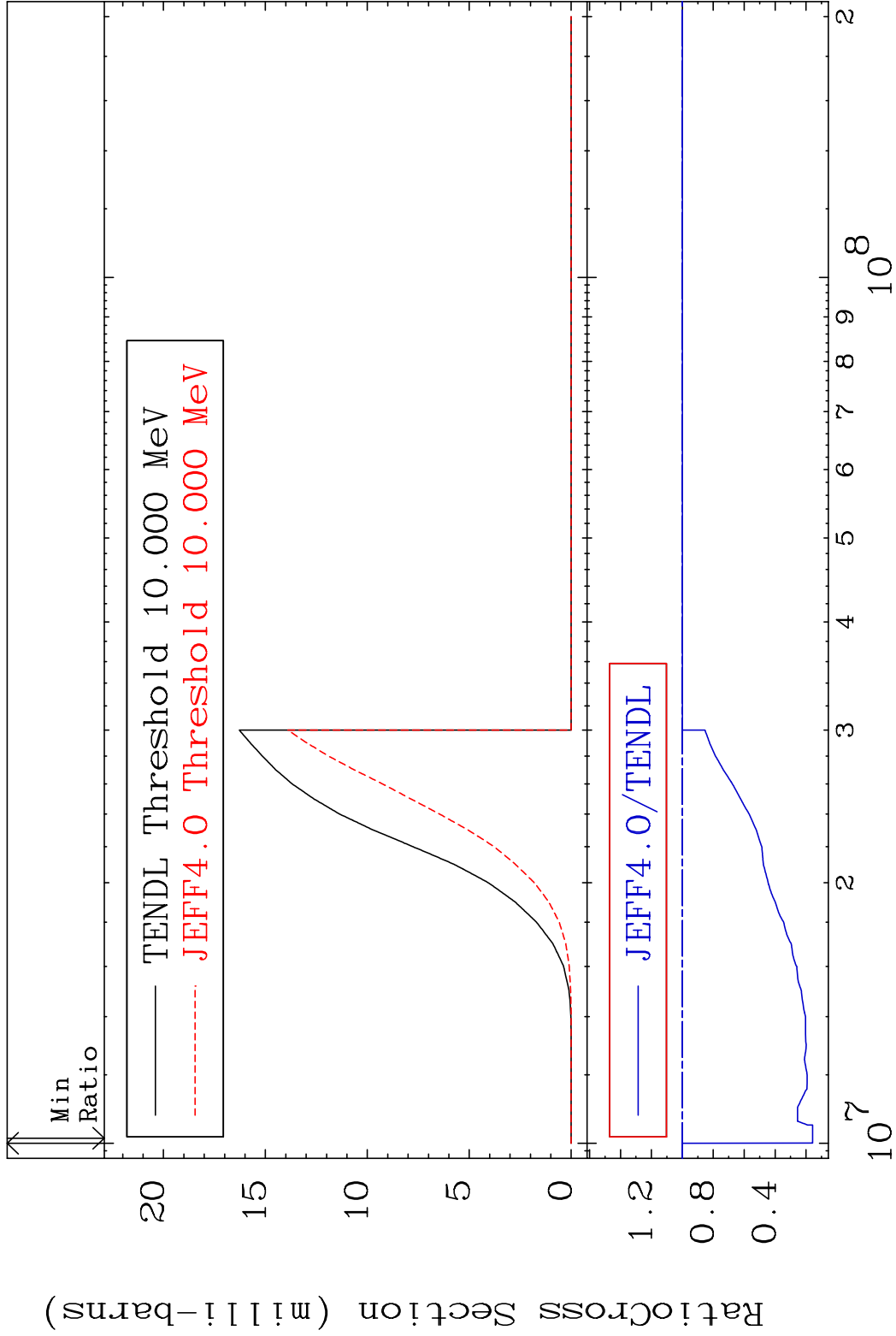


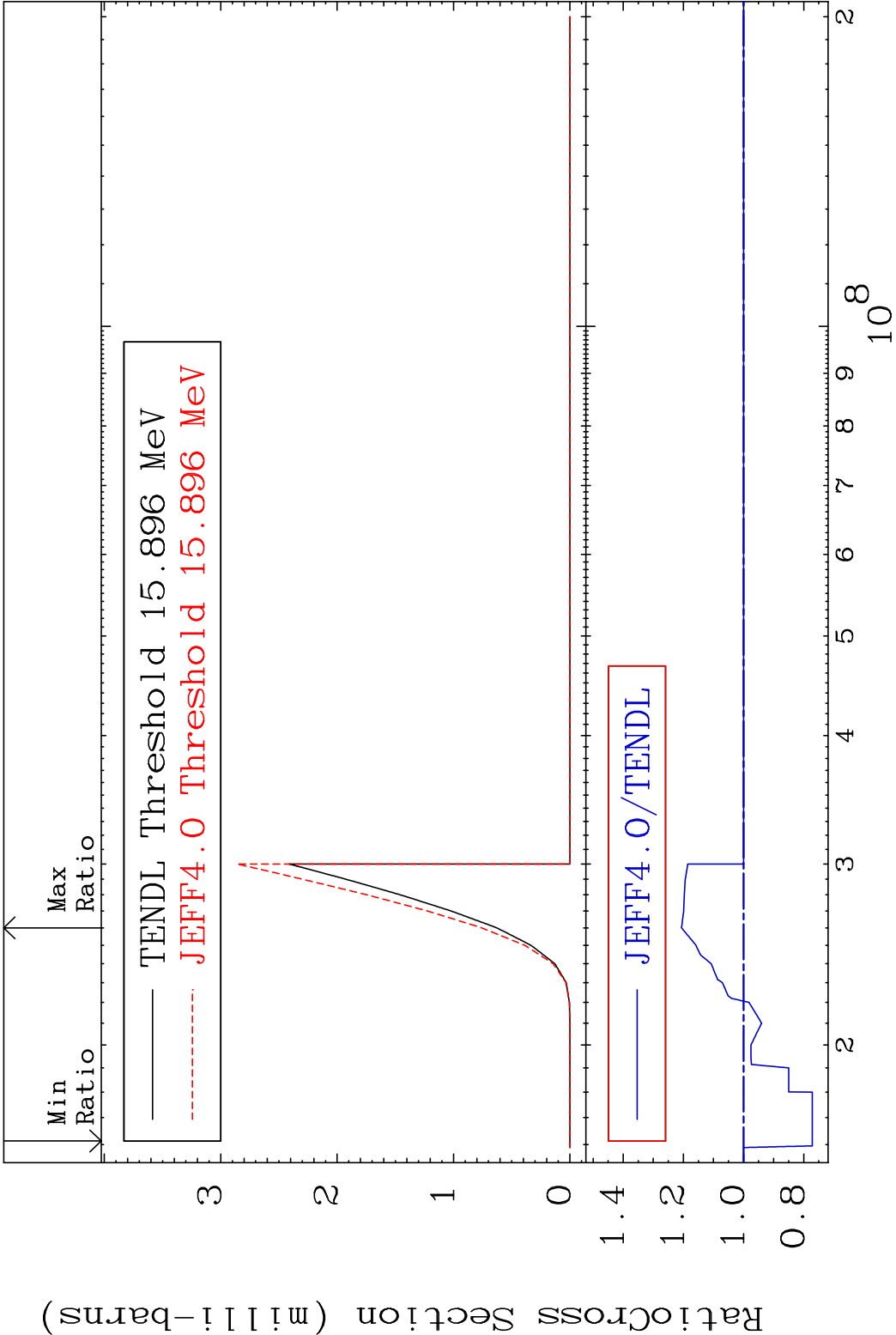


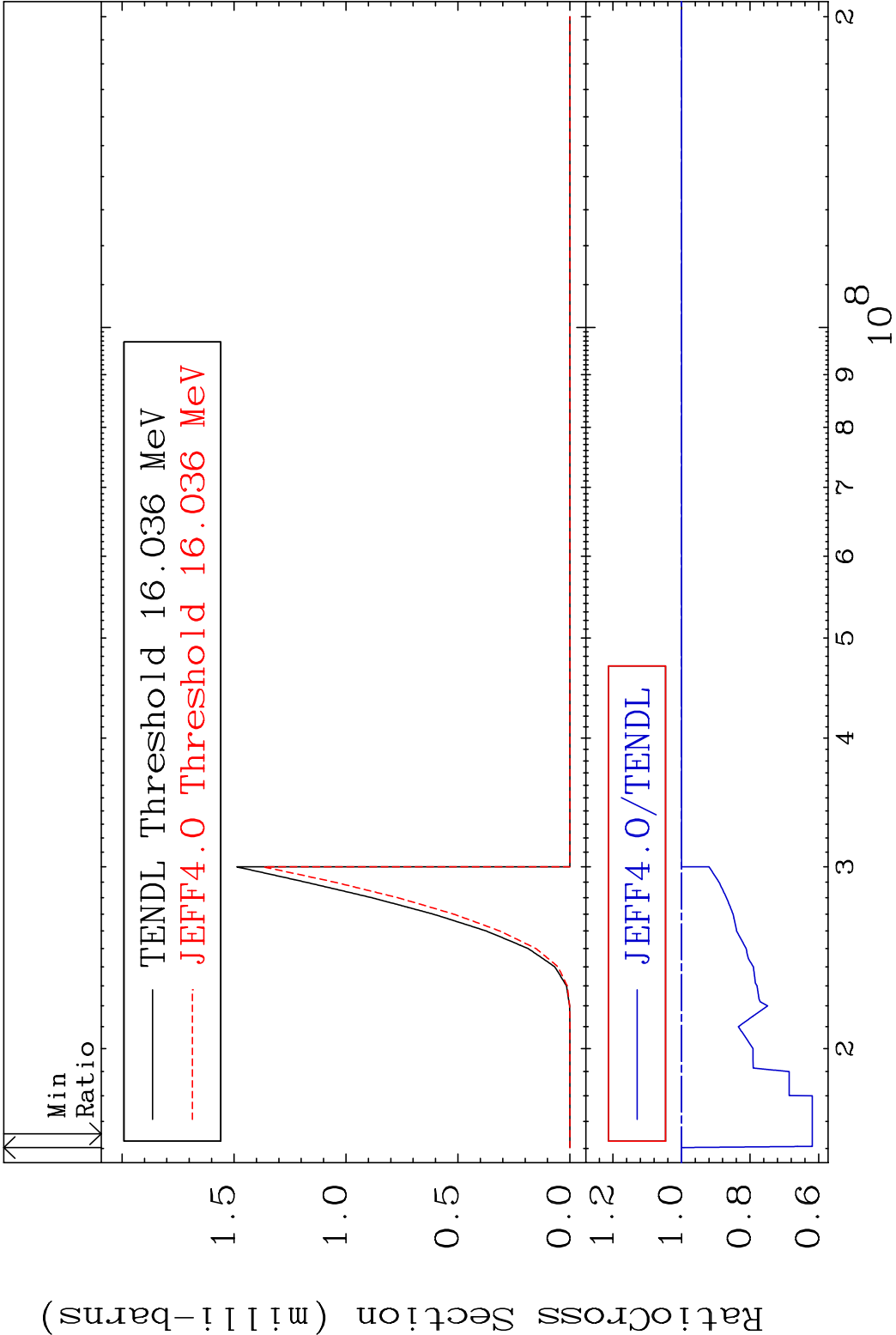
Radionuclide Production Cross Section 411.3 %

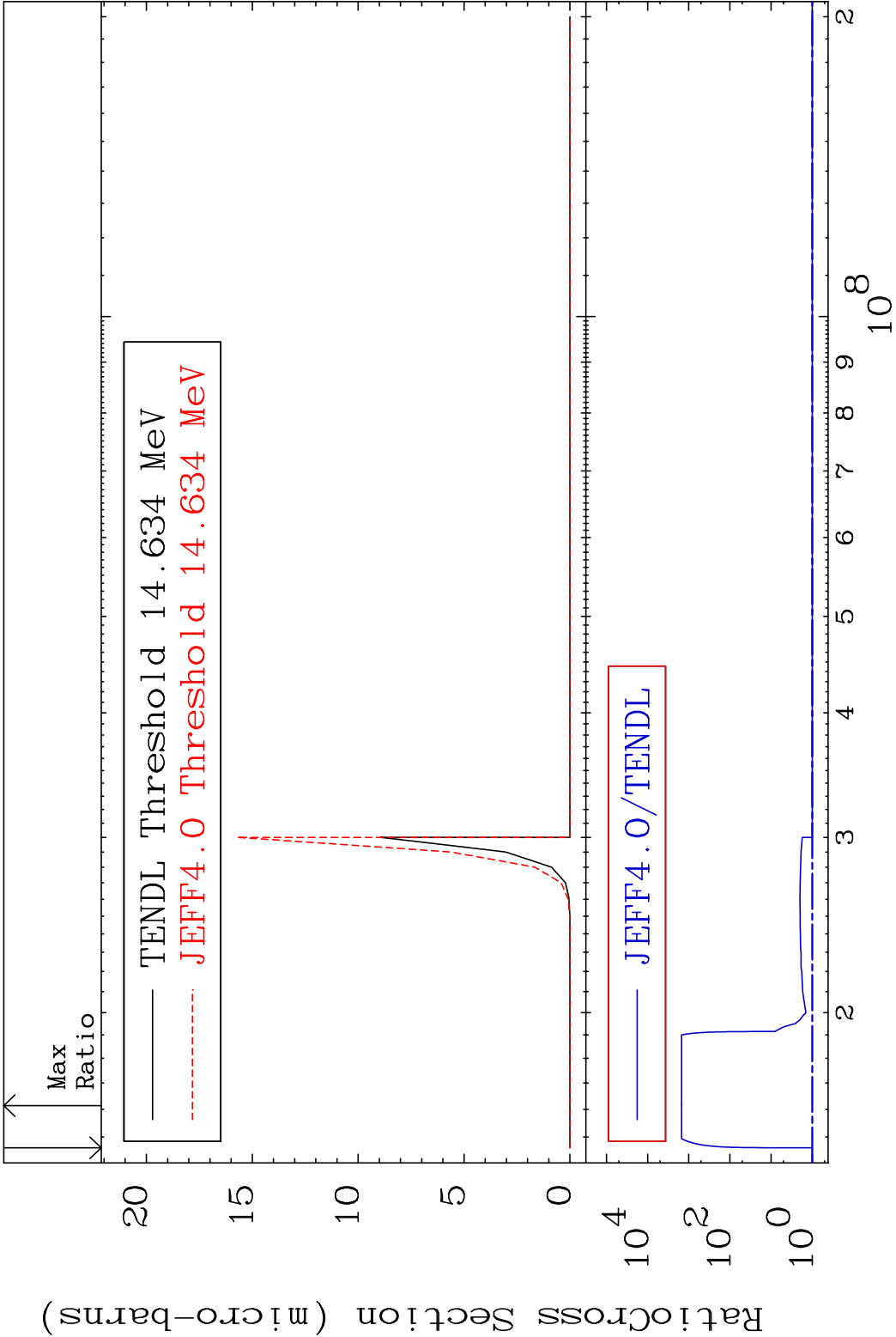


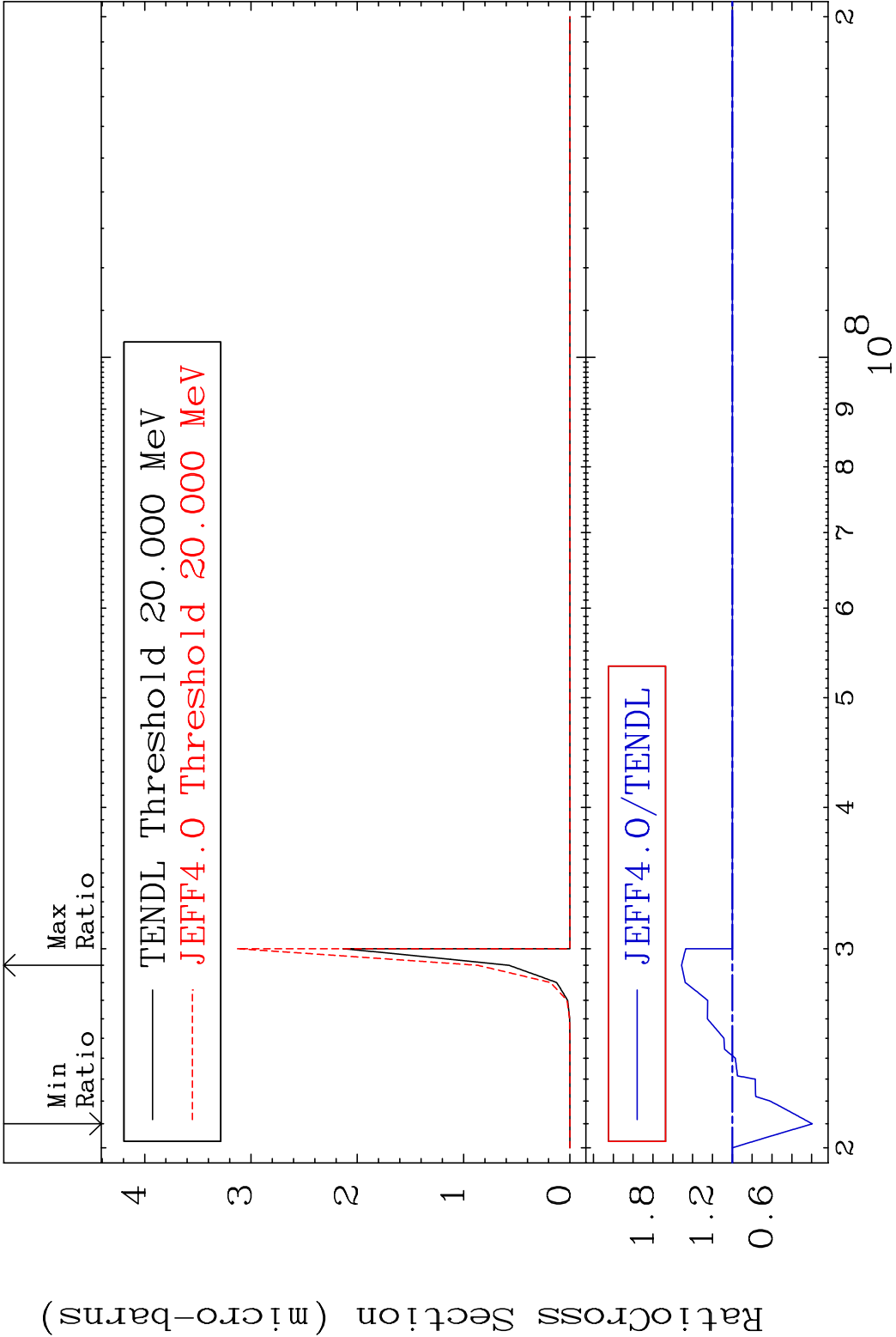


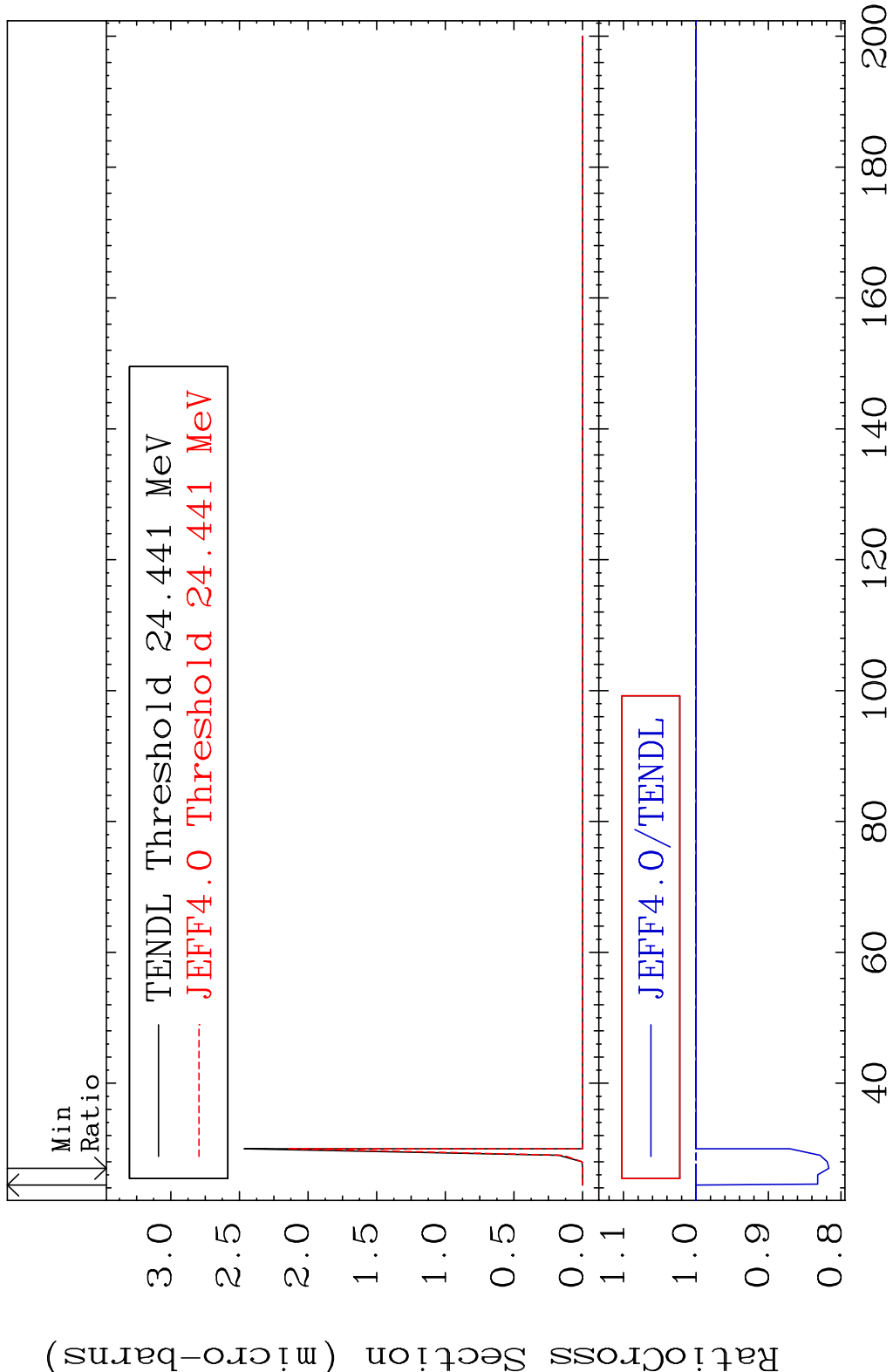


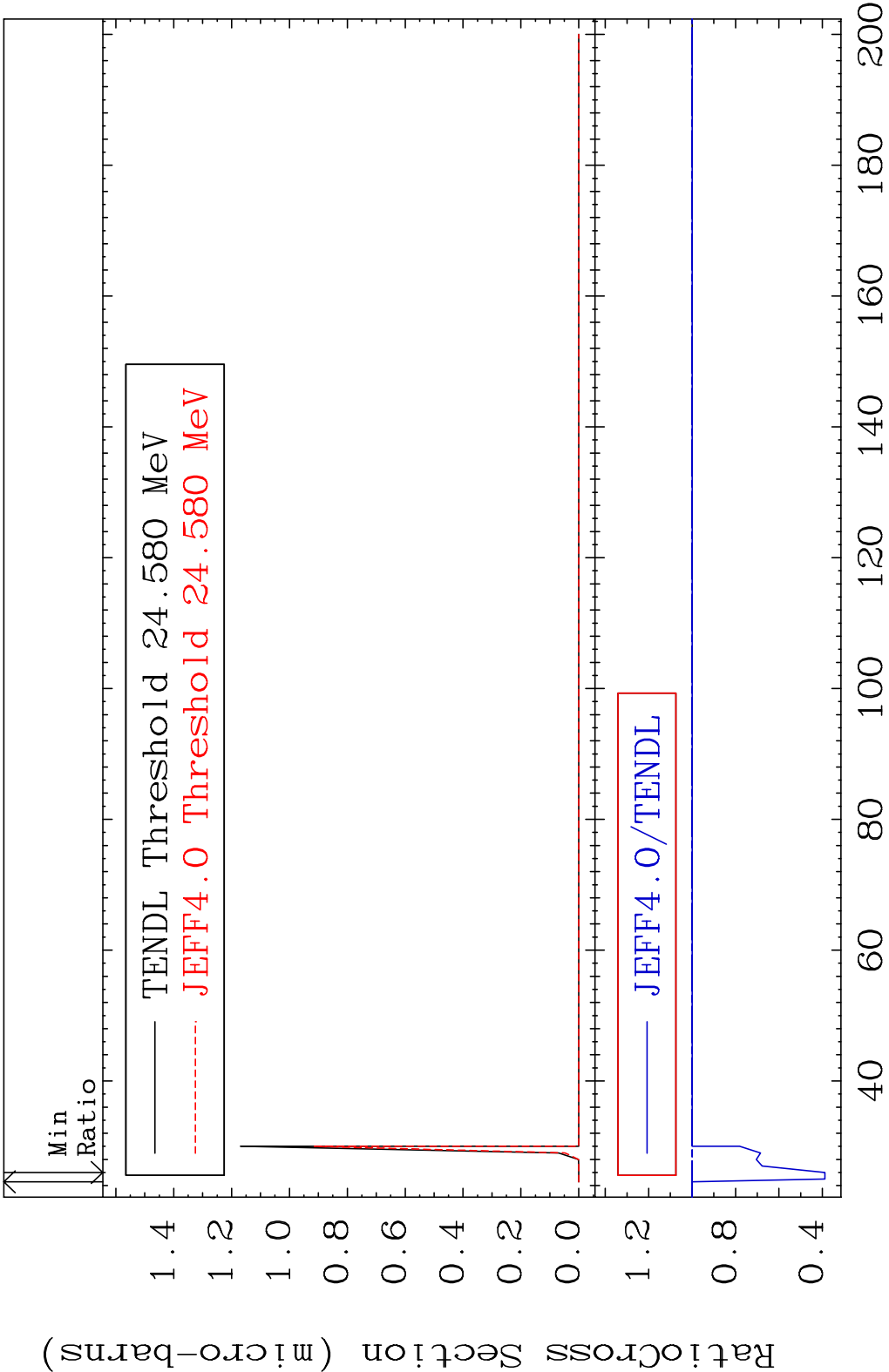


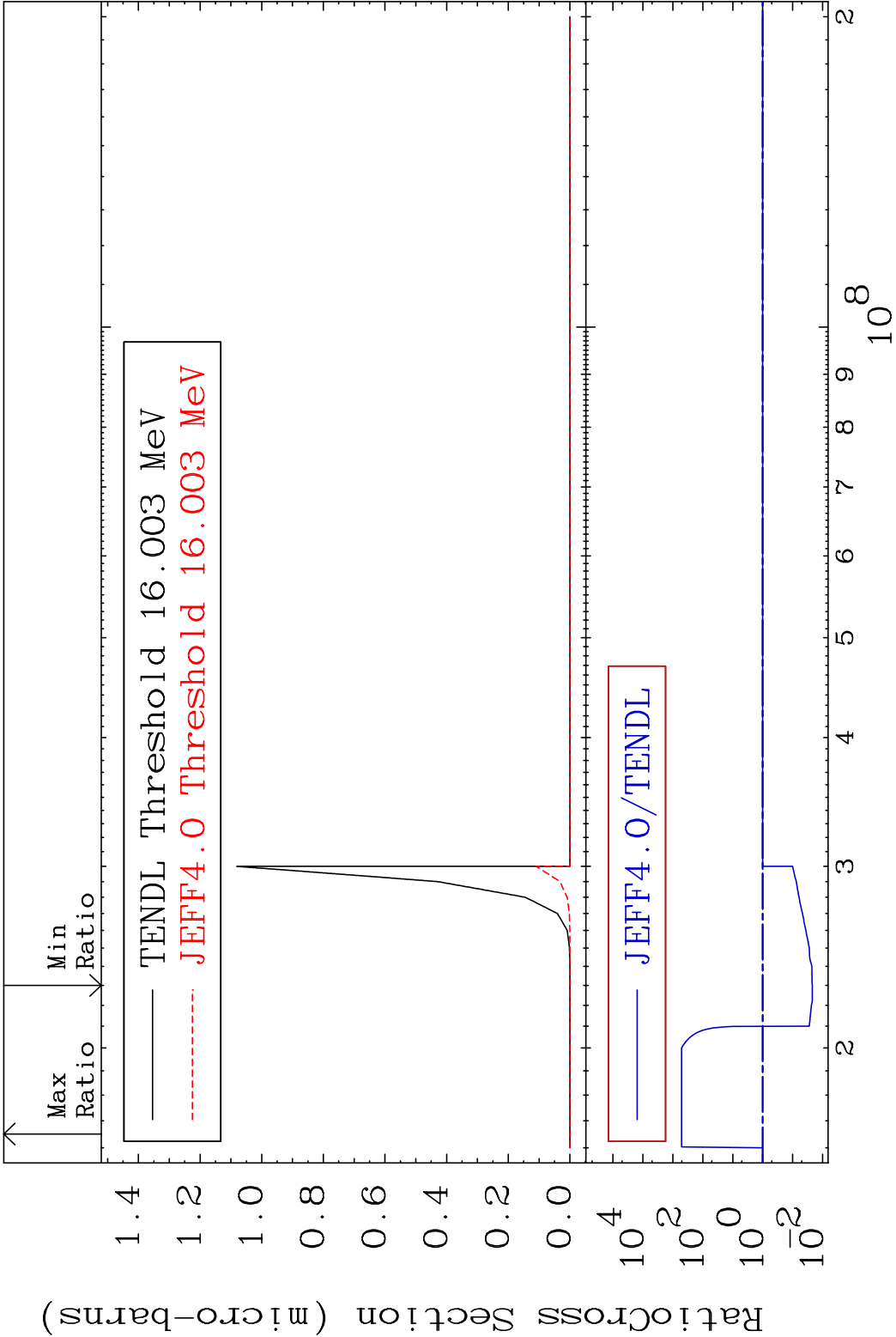


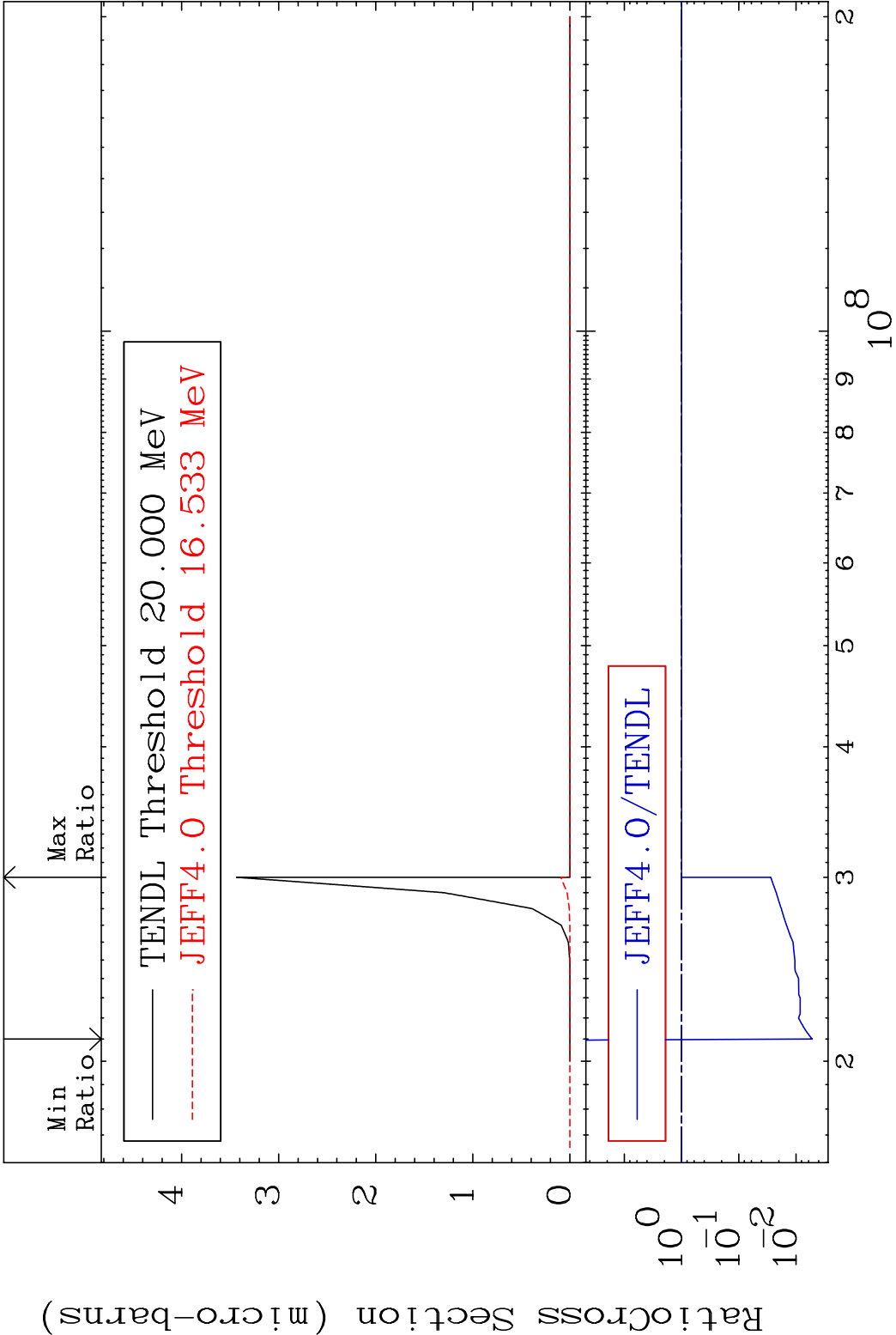


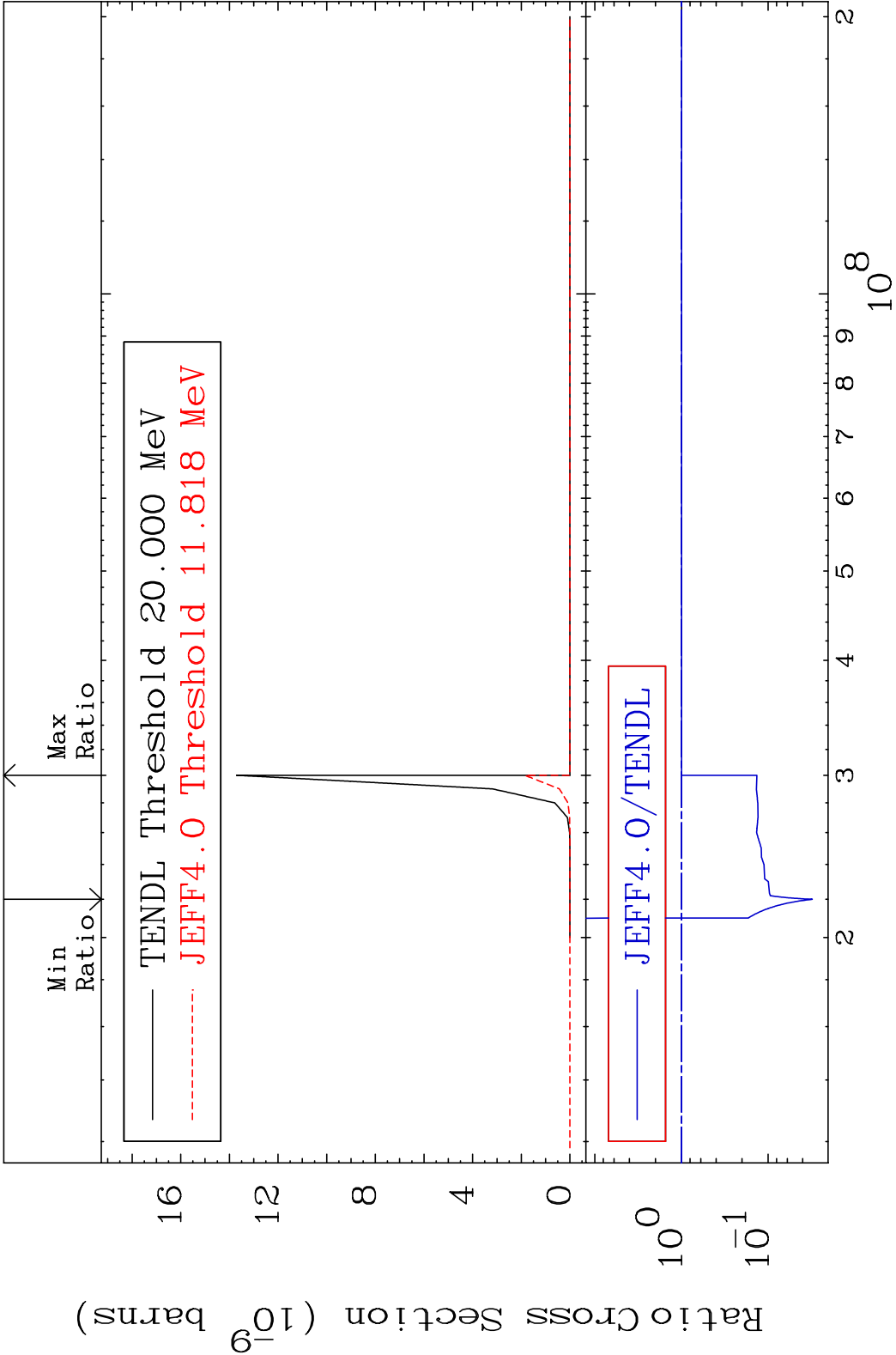


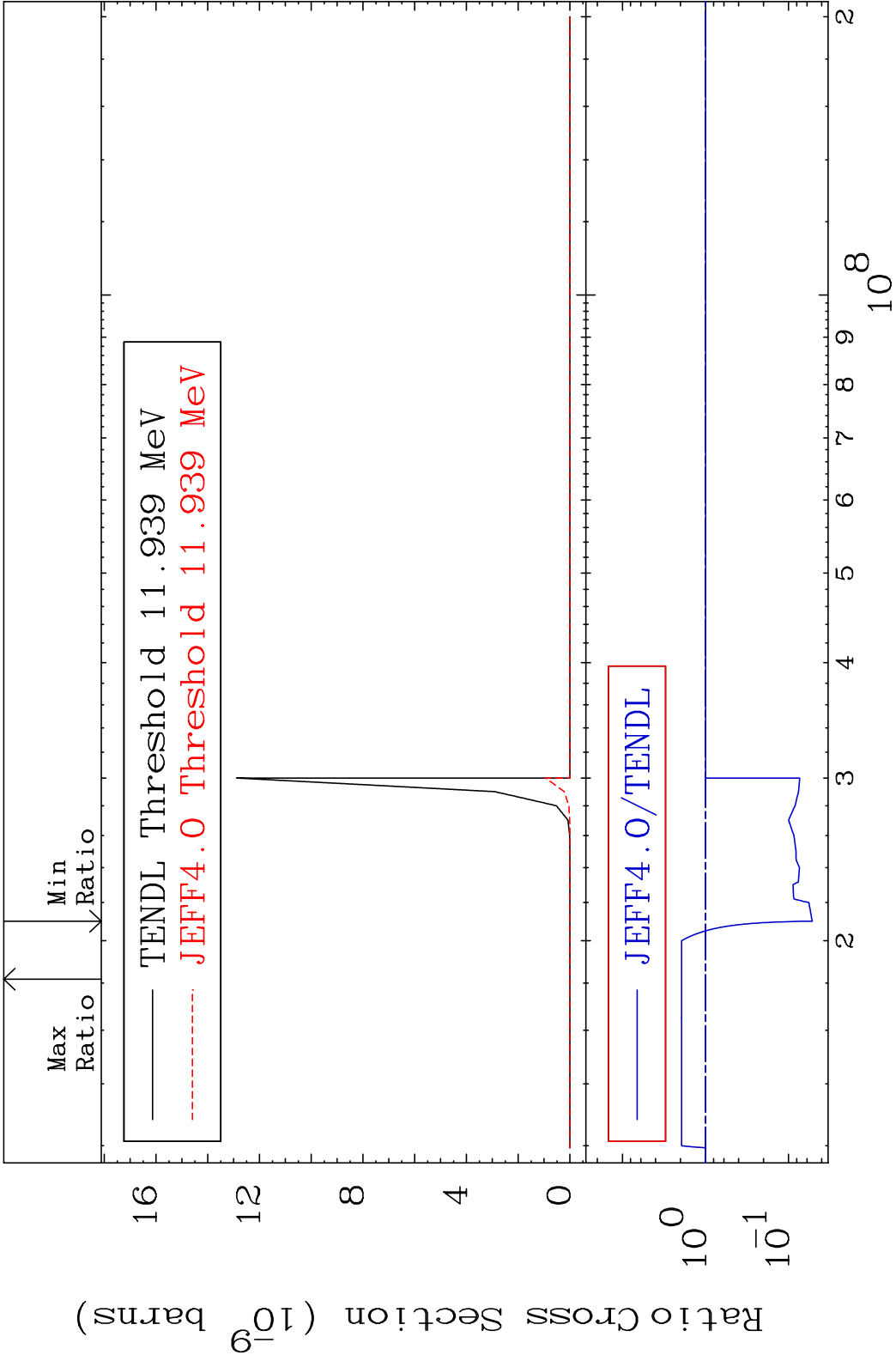


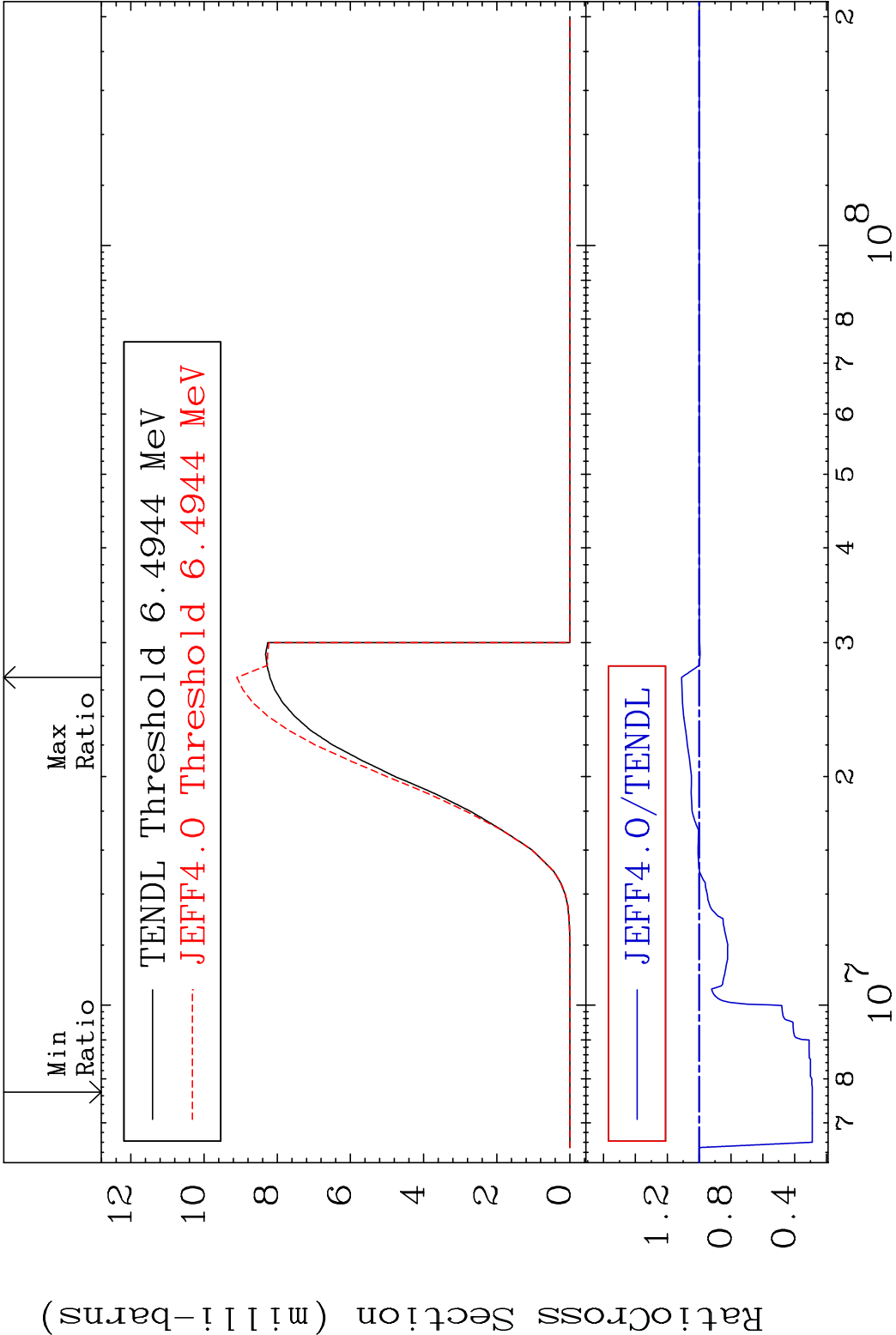




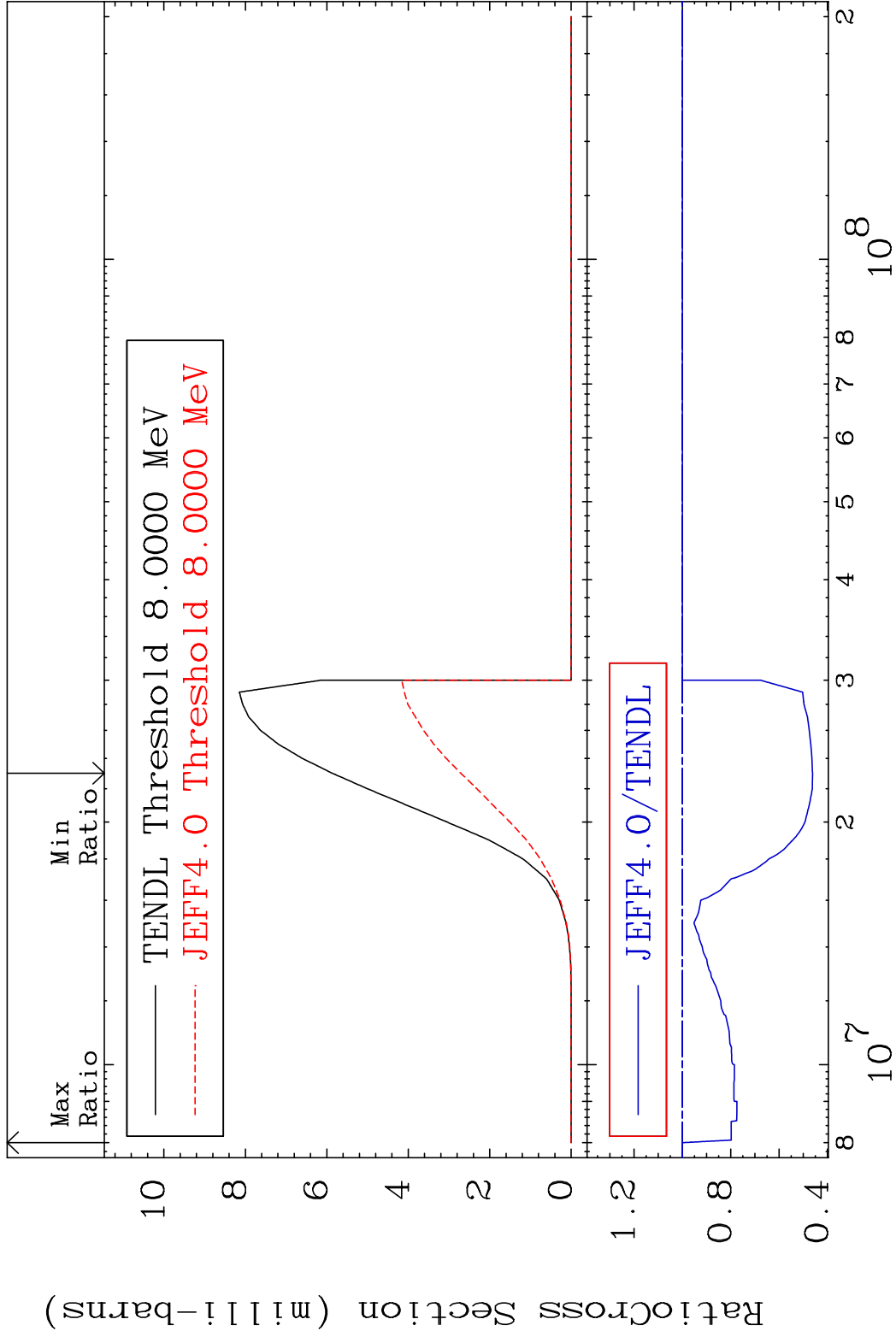


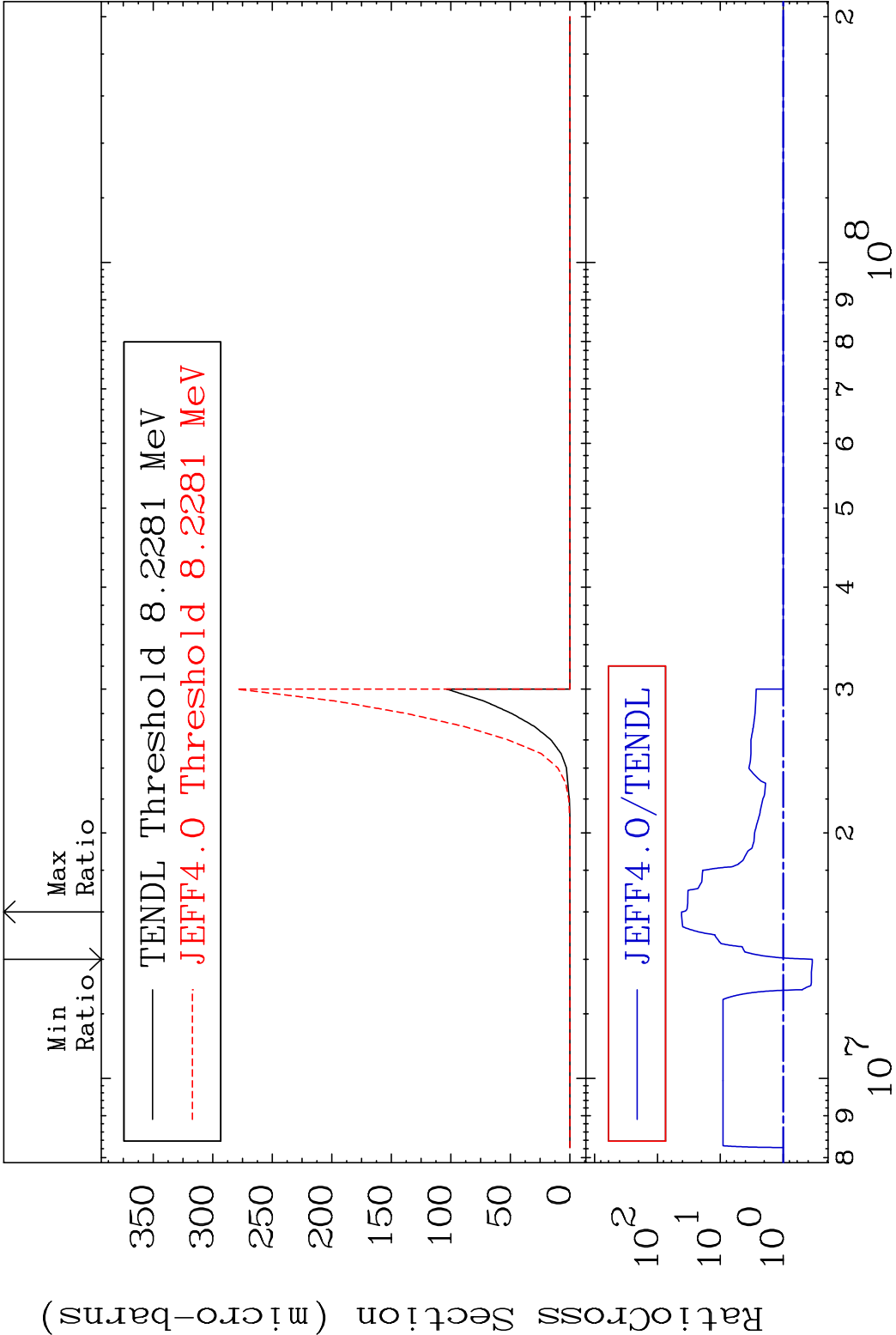


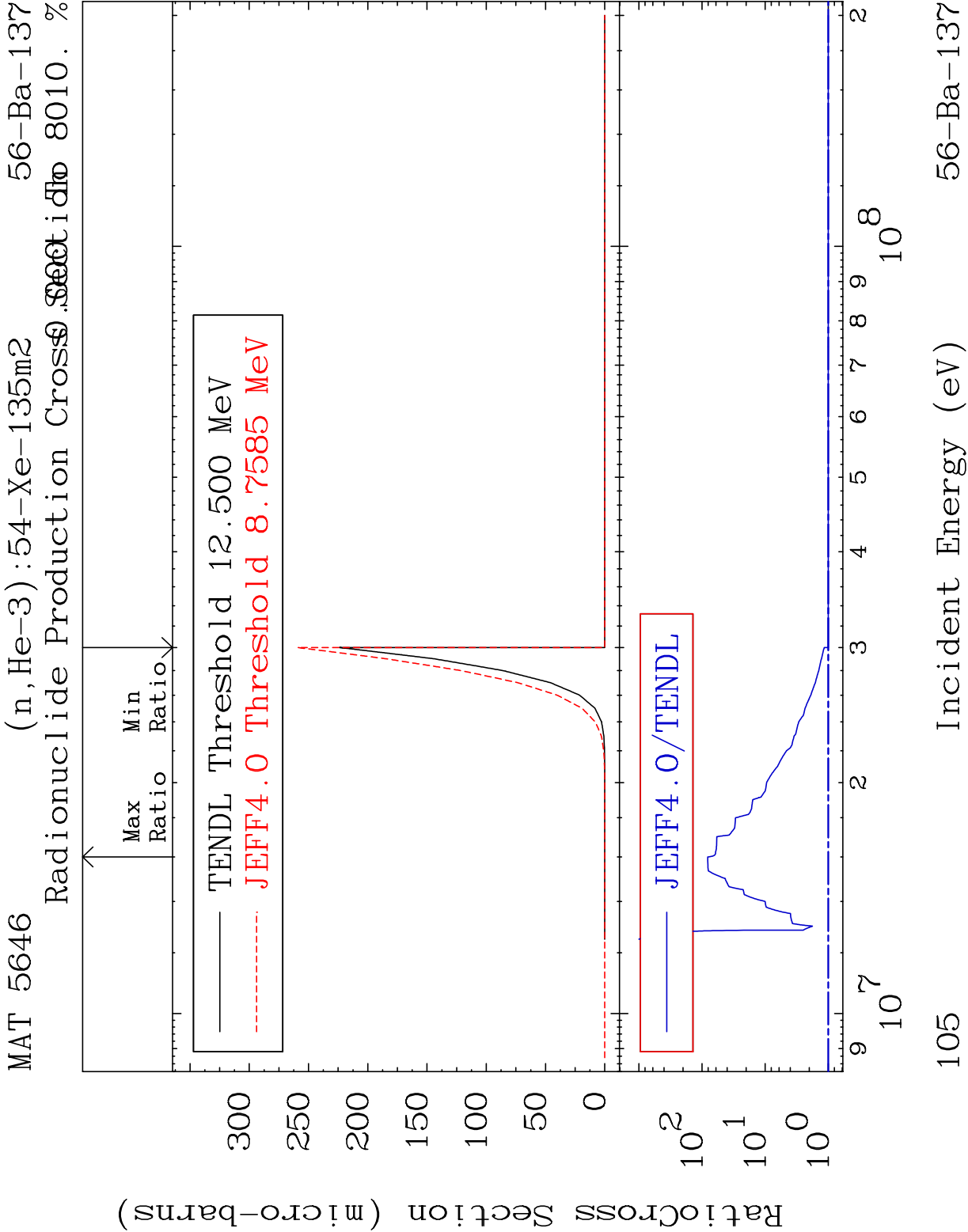


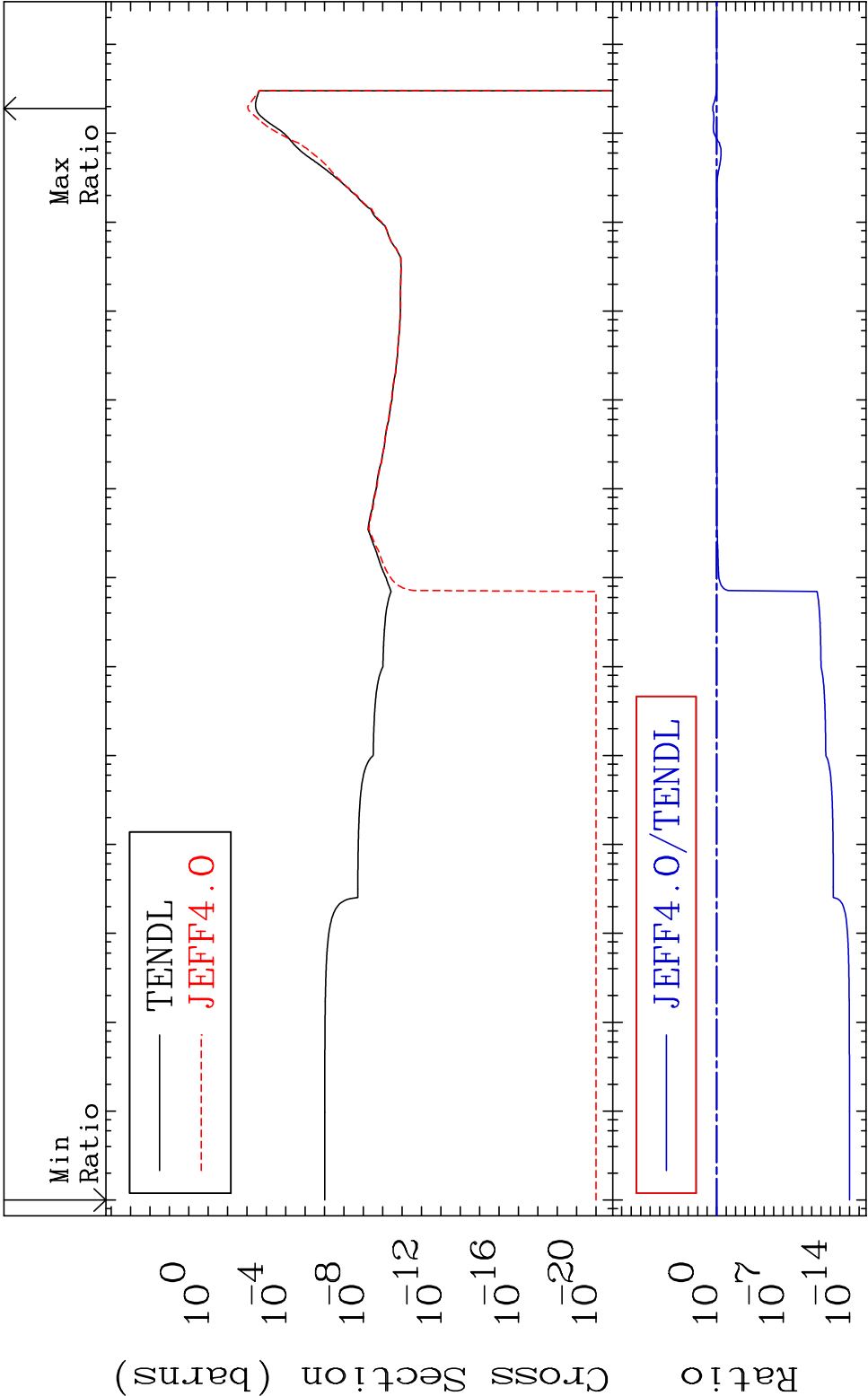


Radionuclide Production Cross Section



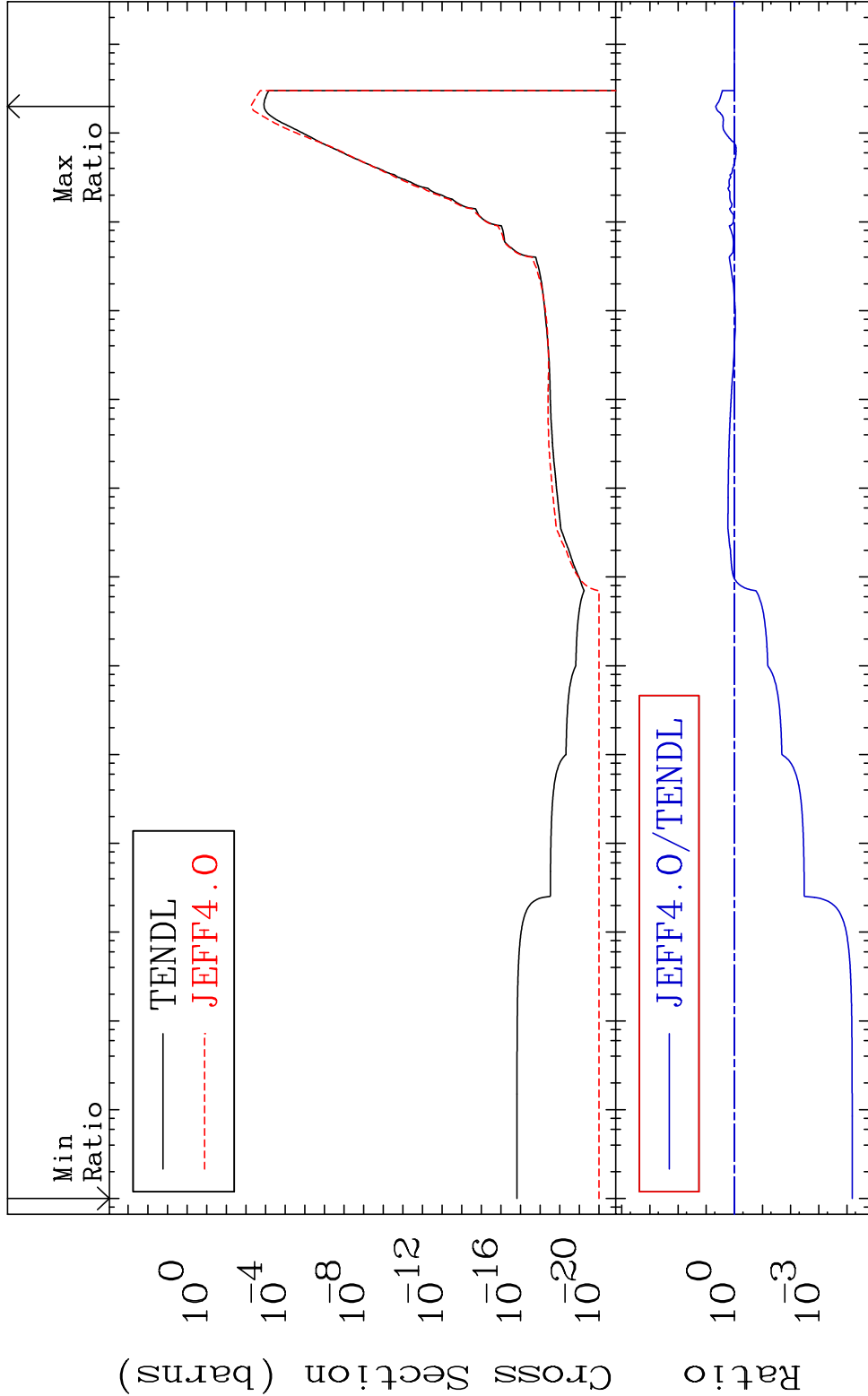






MAT 5646 (n,α):54-Xe-134m7 56-Ba-137

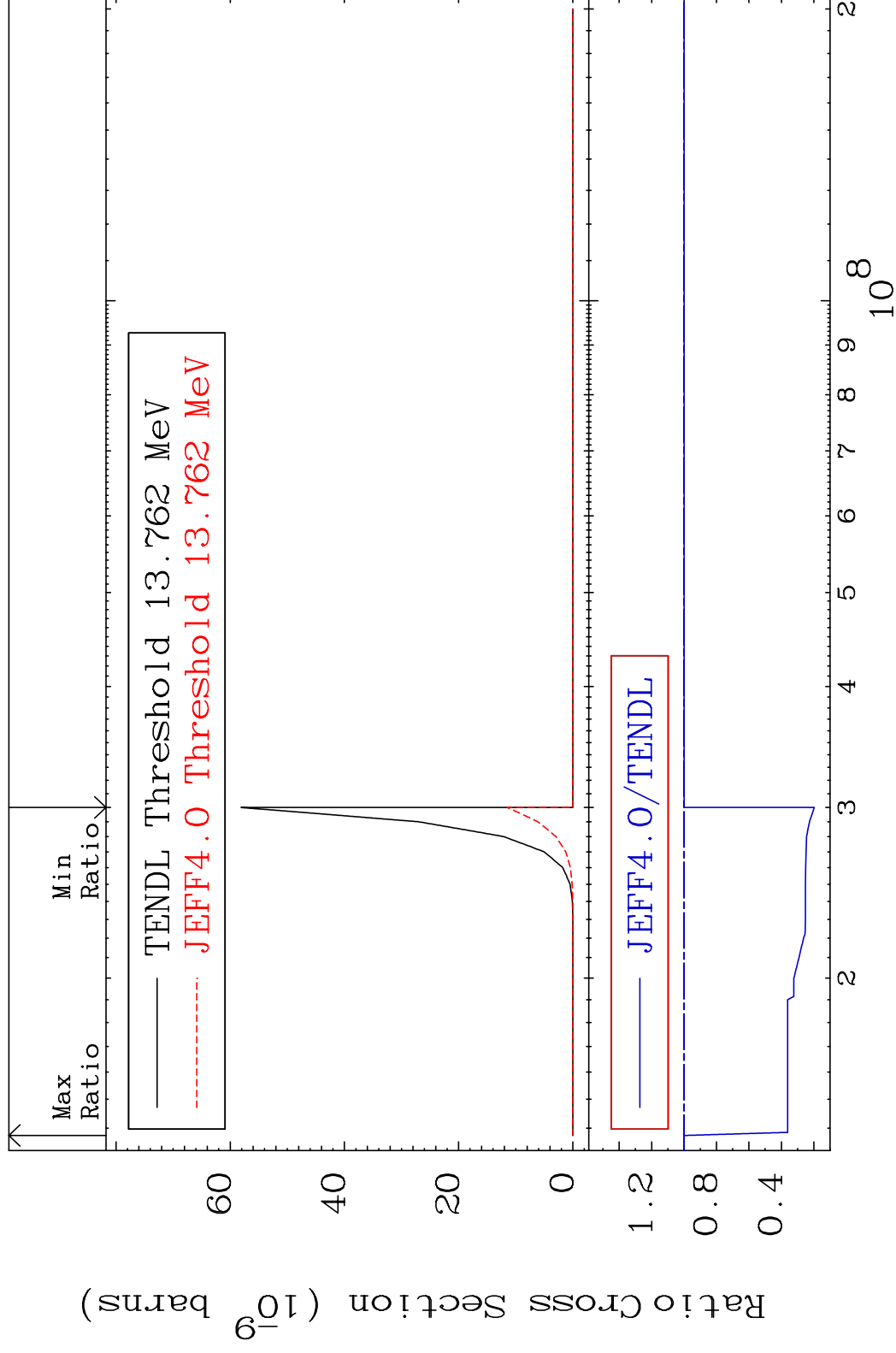
Radionuclide Production Cross Section 99.99% 362.5 %



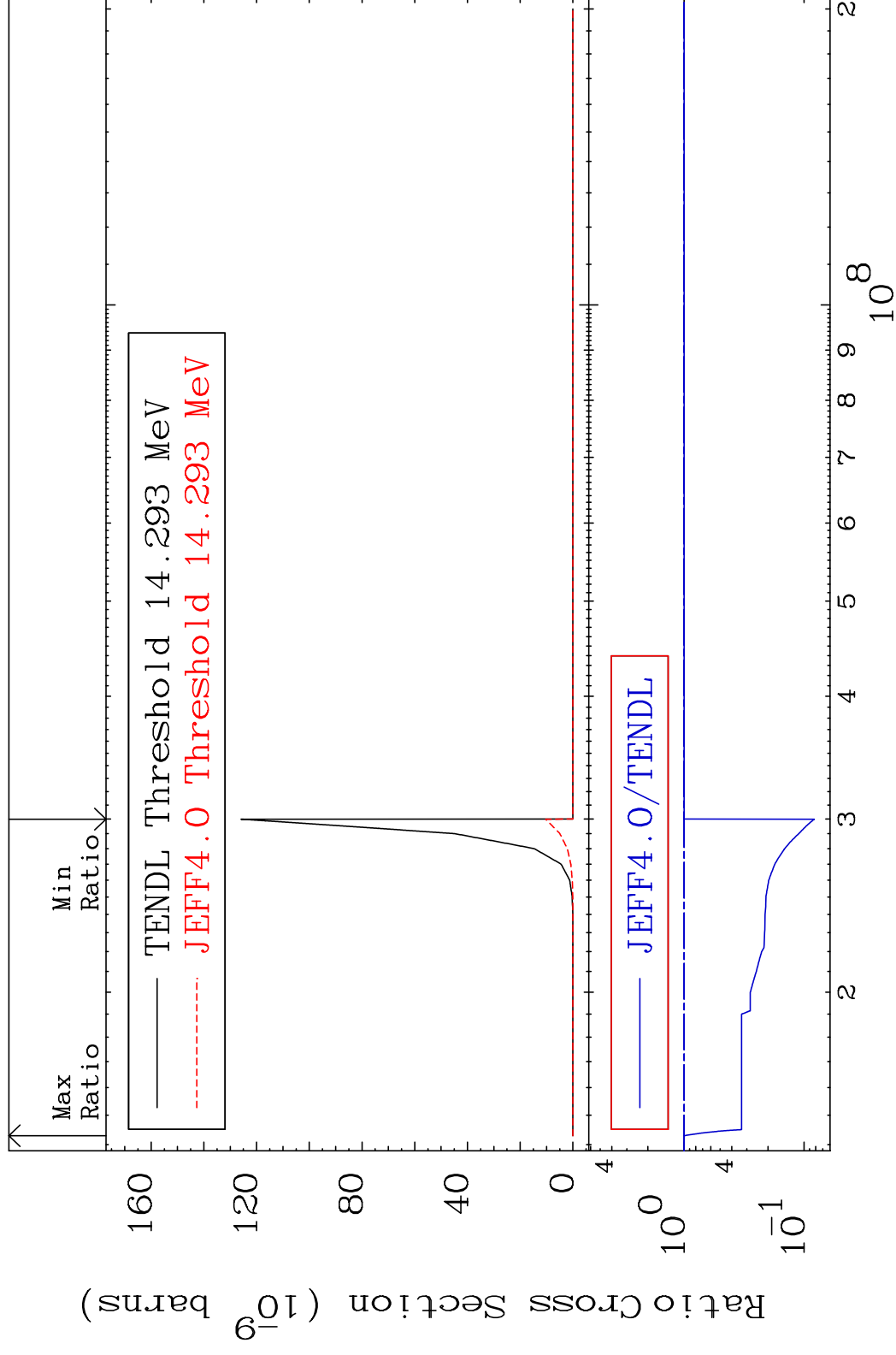
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

107 Incident Energy (eV) 56-Ba-137

Radionuclide Production Cross-sections 0.000 %



Radionuclide Production Cross-Section 0.000 %



Radionuclide Production Cross-Section 0.000 %

