

Program Complot
(Version 2021-1)

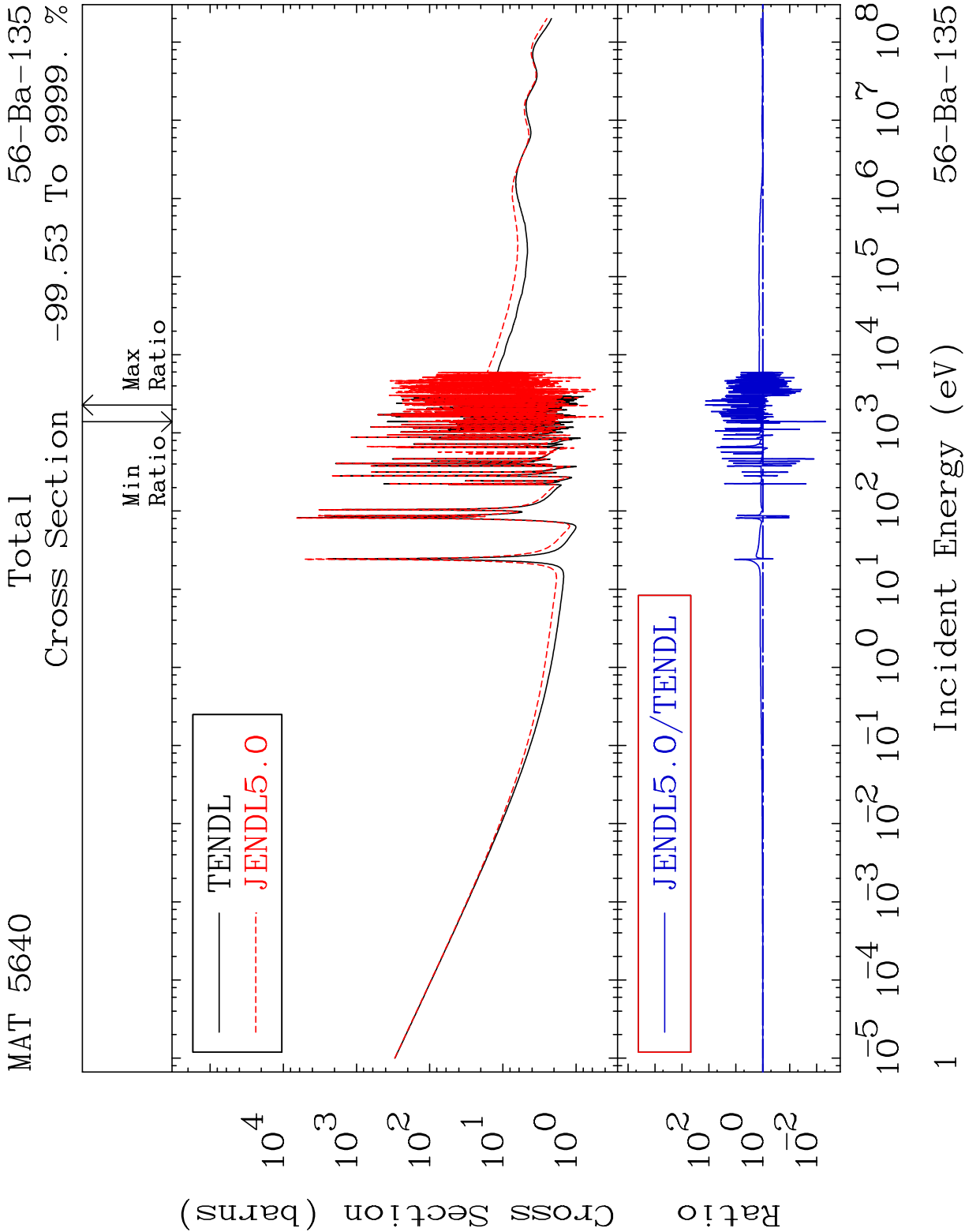
by

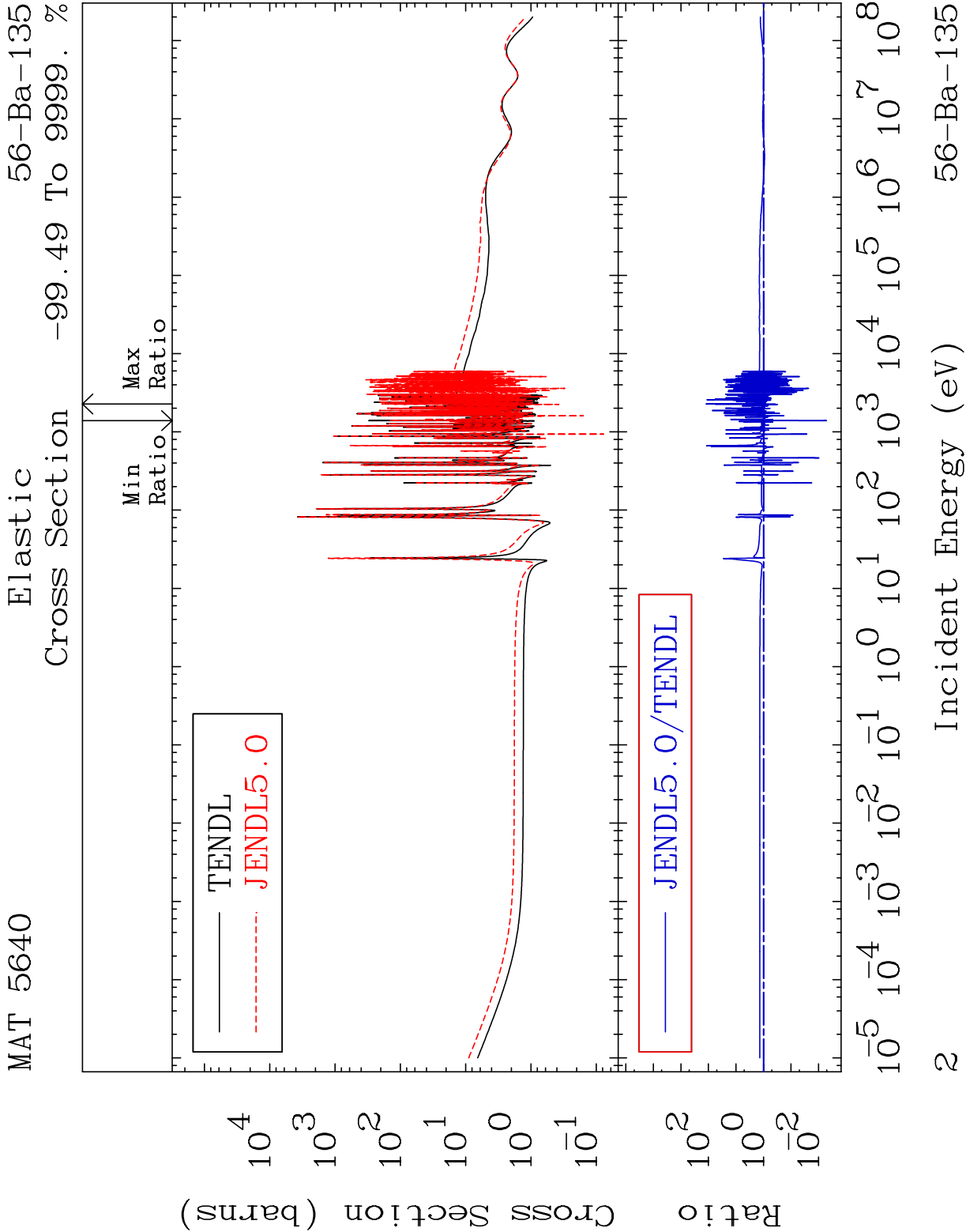
Dermott E. Cullen
(Present Contact Information)

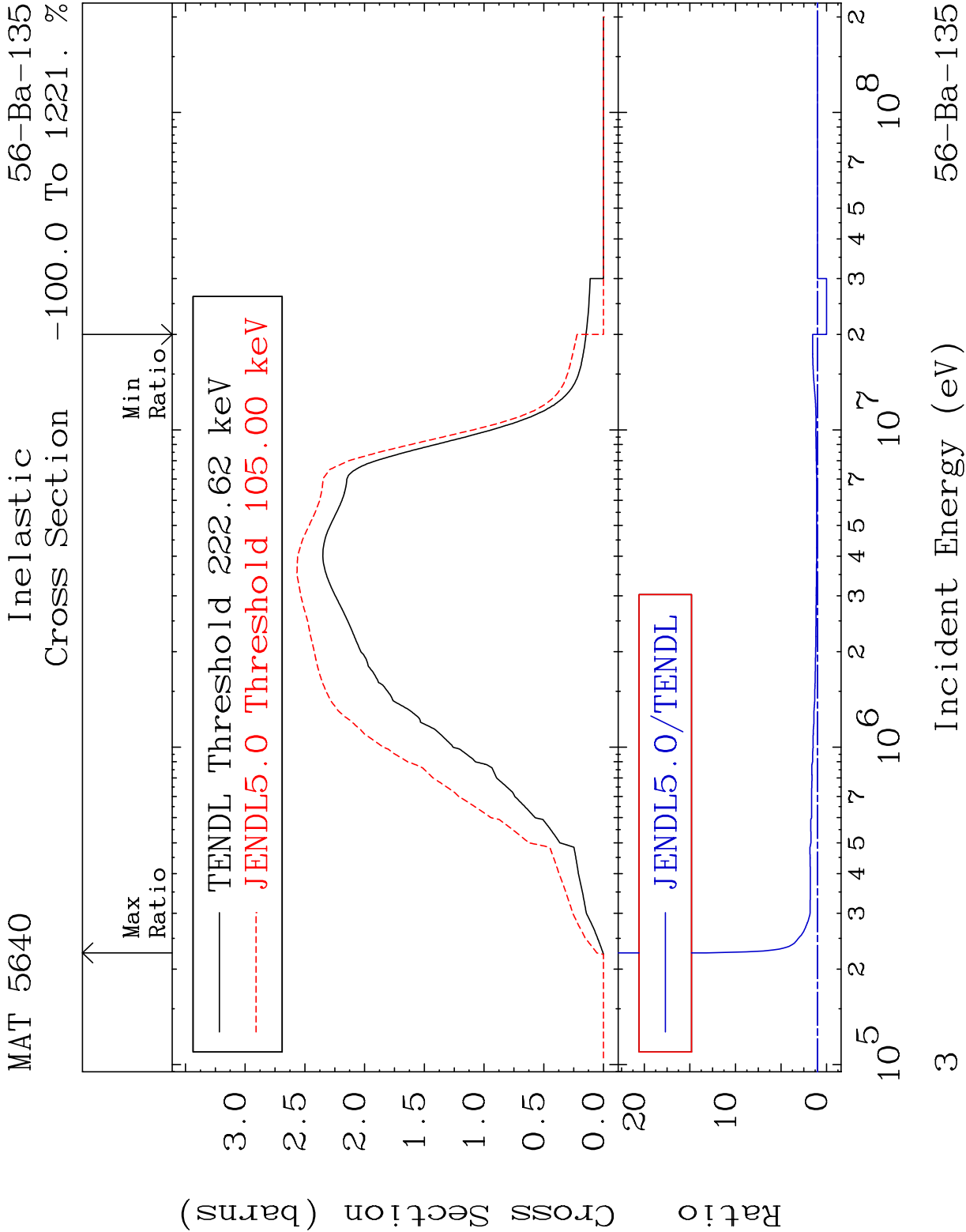
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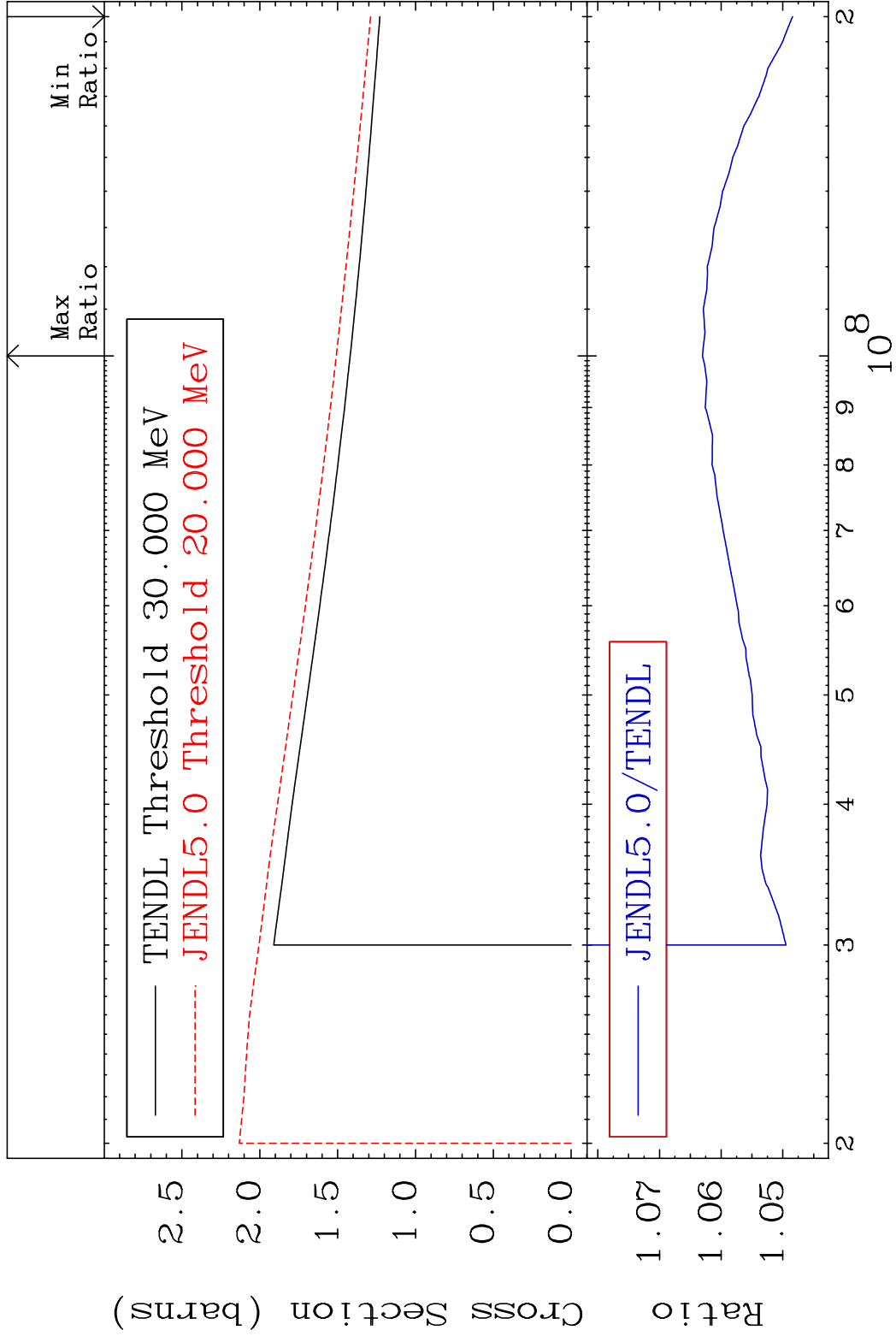
Press Mouse Button to Start



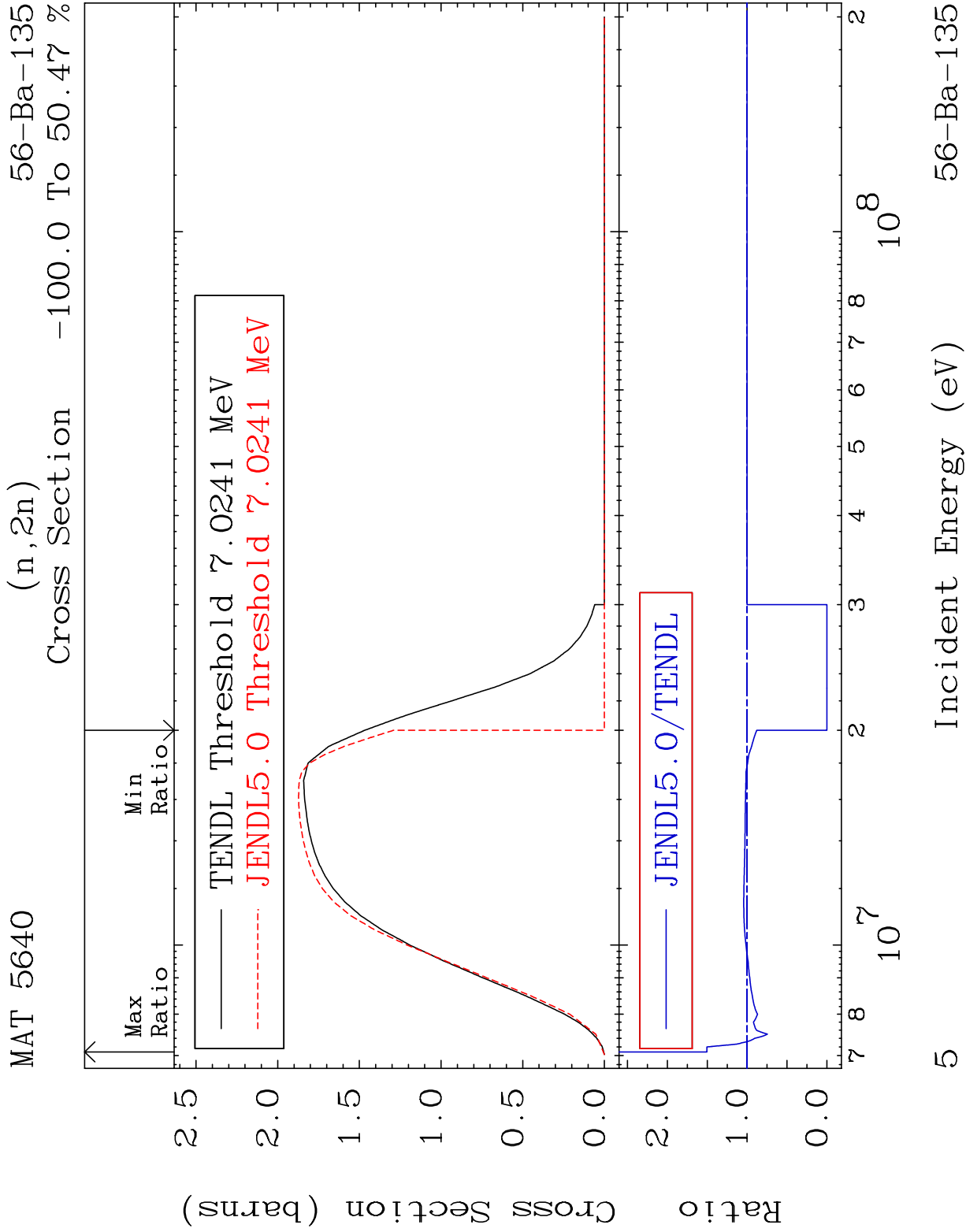


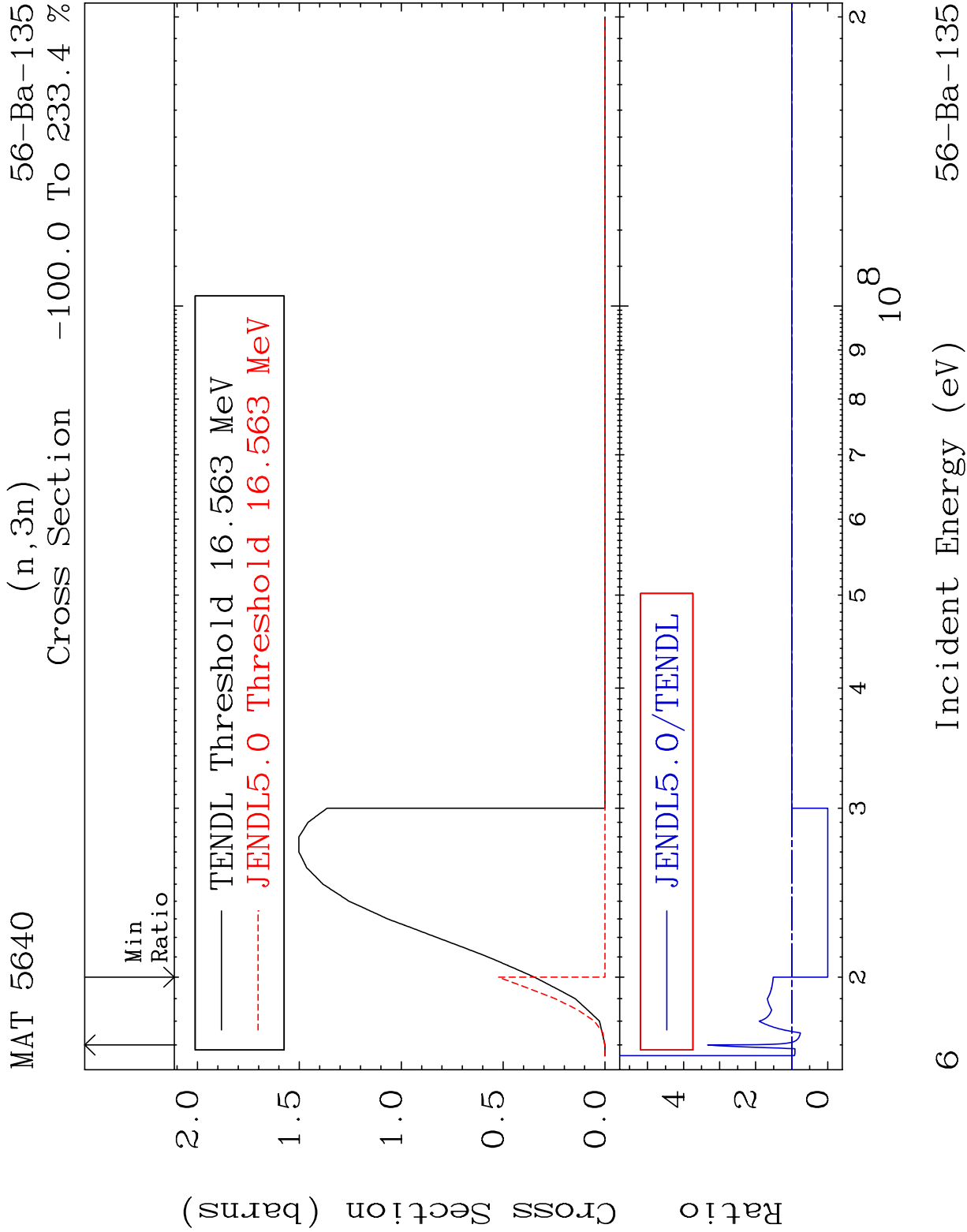


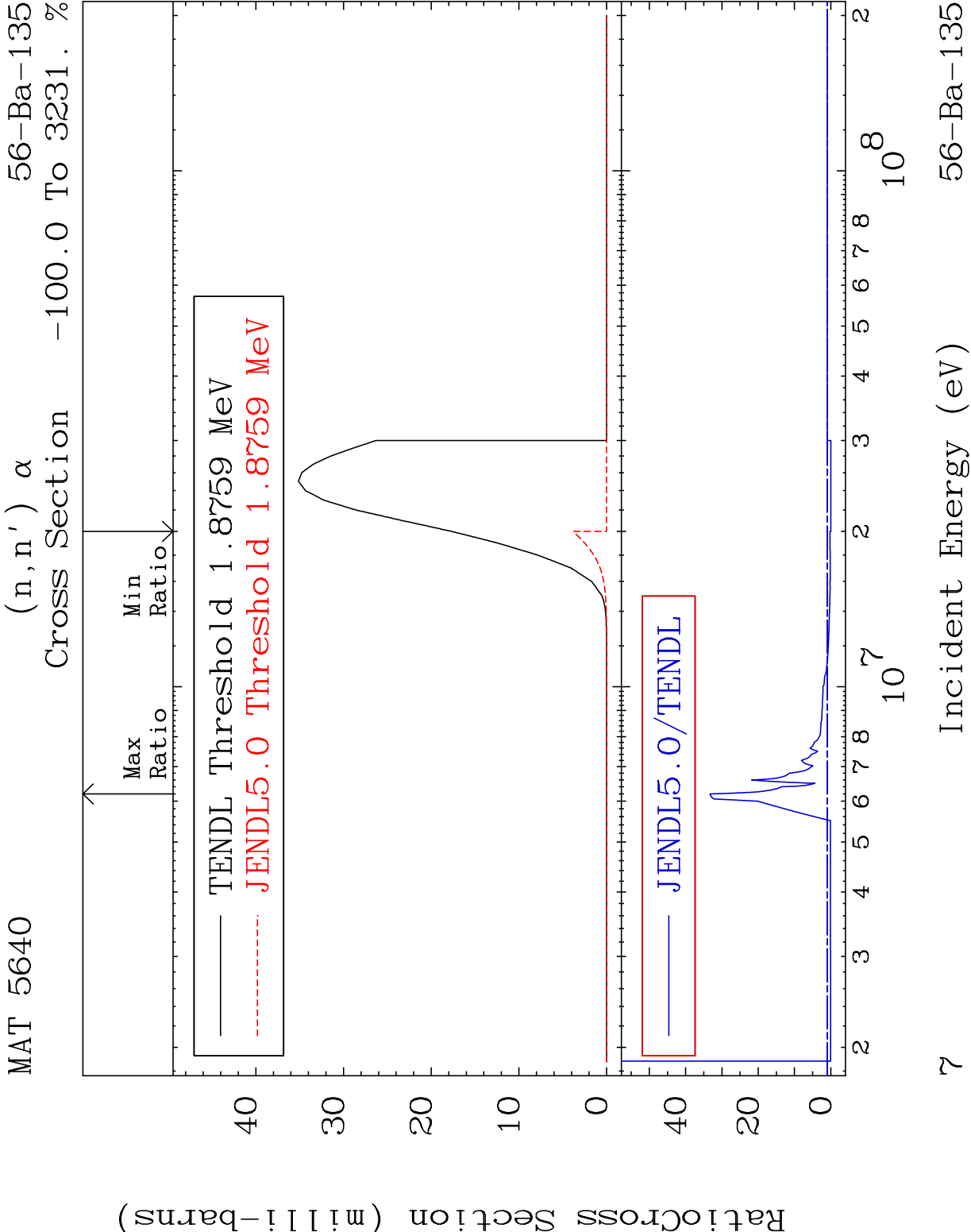
MAT 5640 (n, remainder) 56-Ba-135
Cross Section 4.844 To 6.304 %

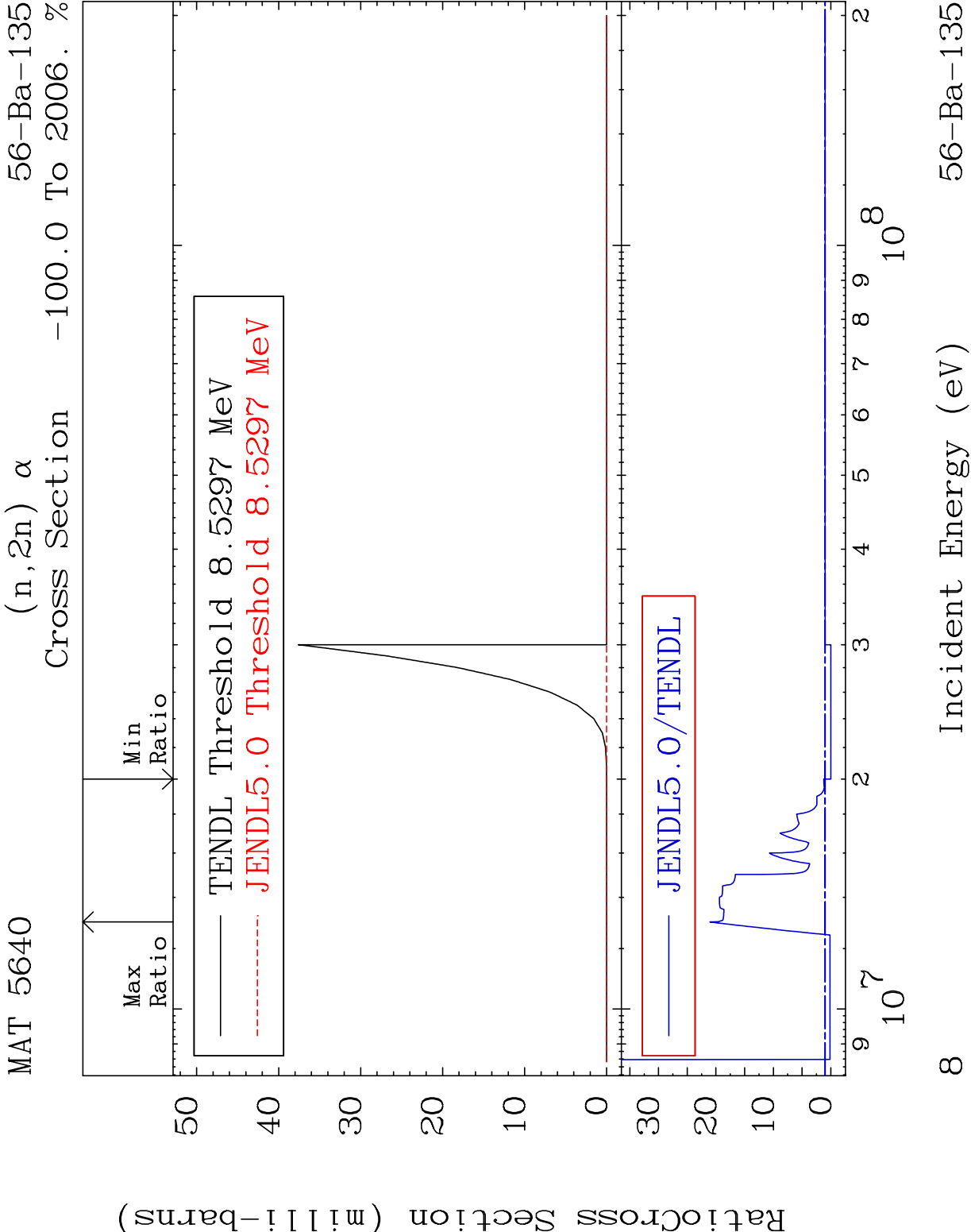


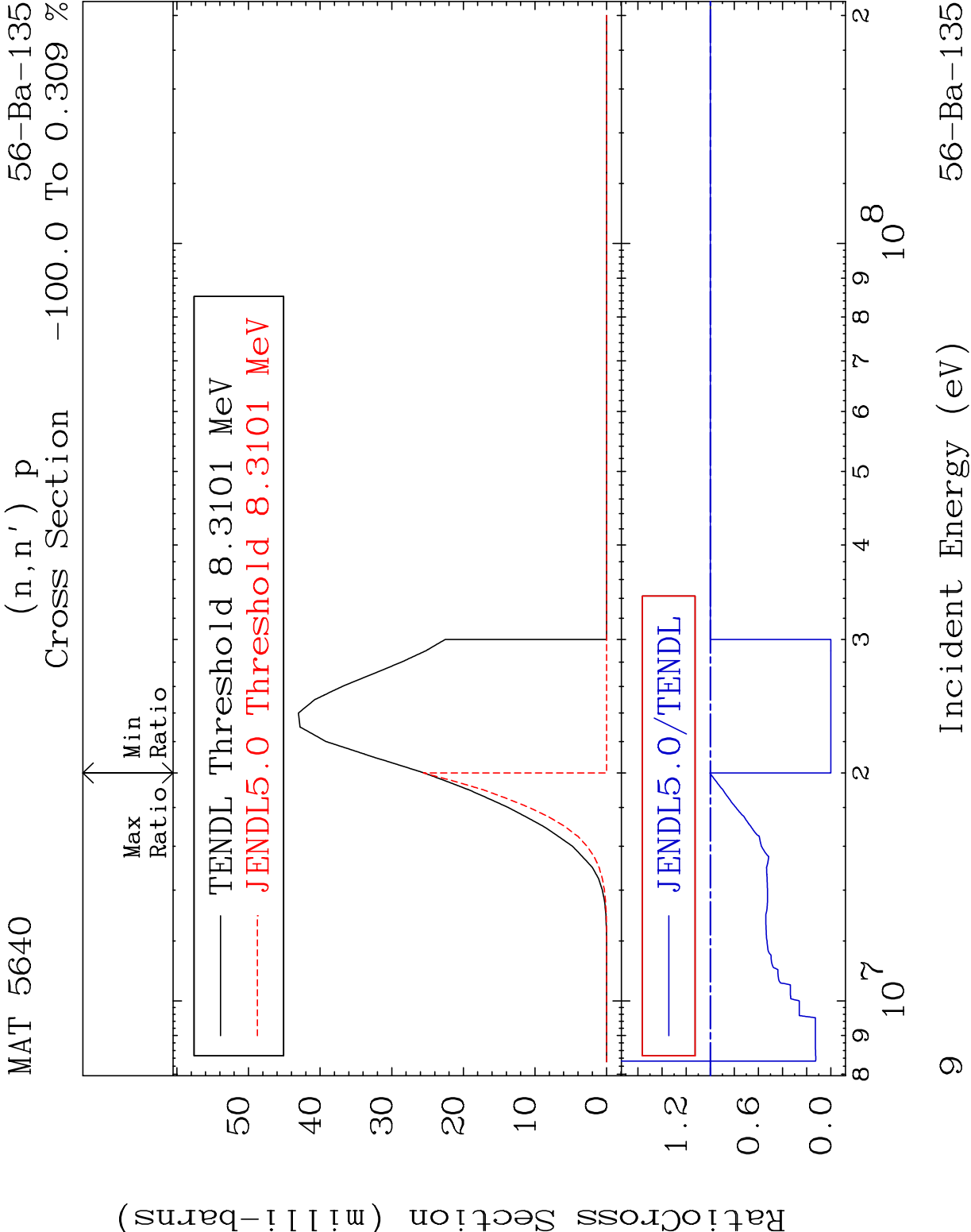
4 Incident Energy (eV) 56-Ba-135

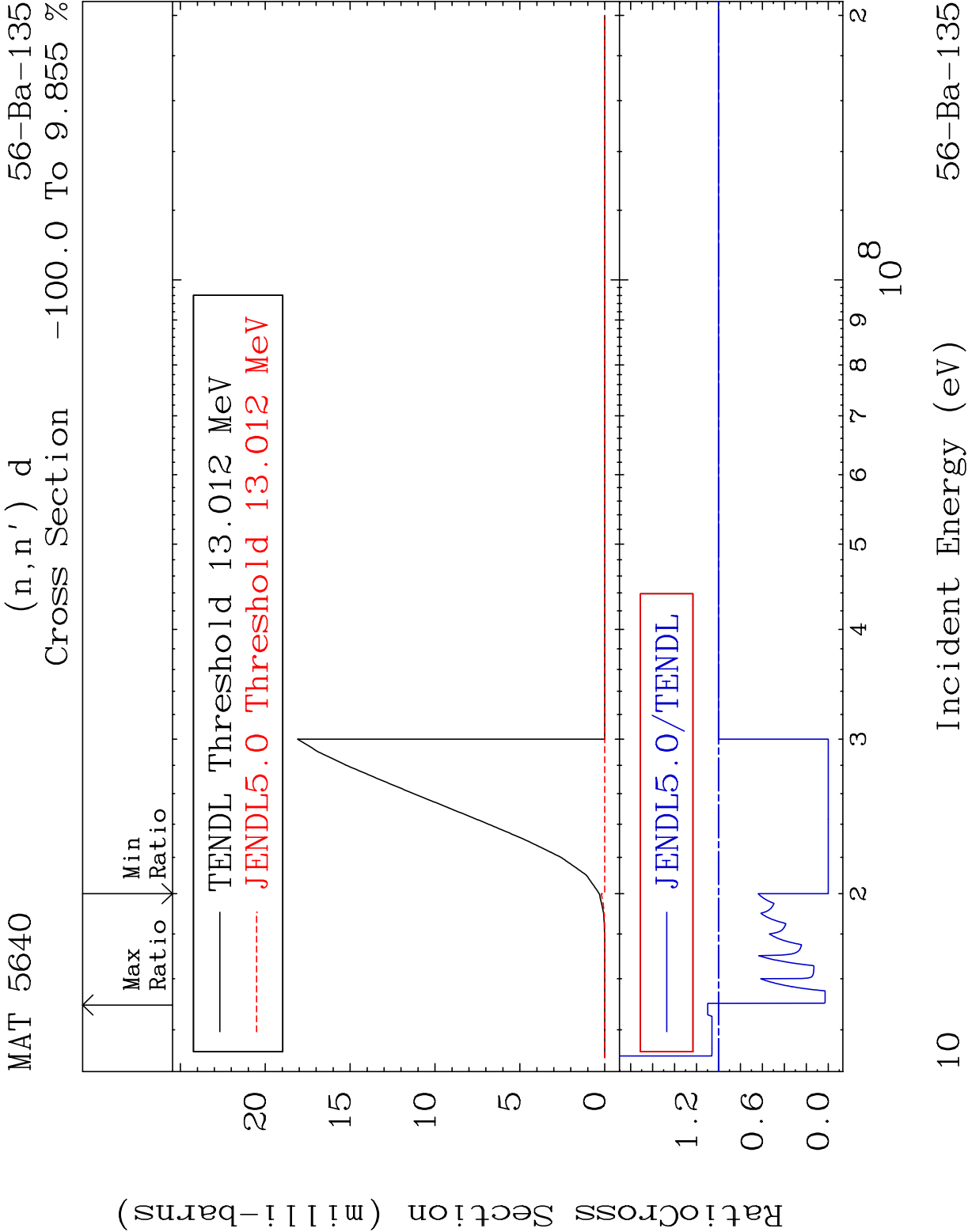






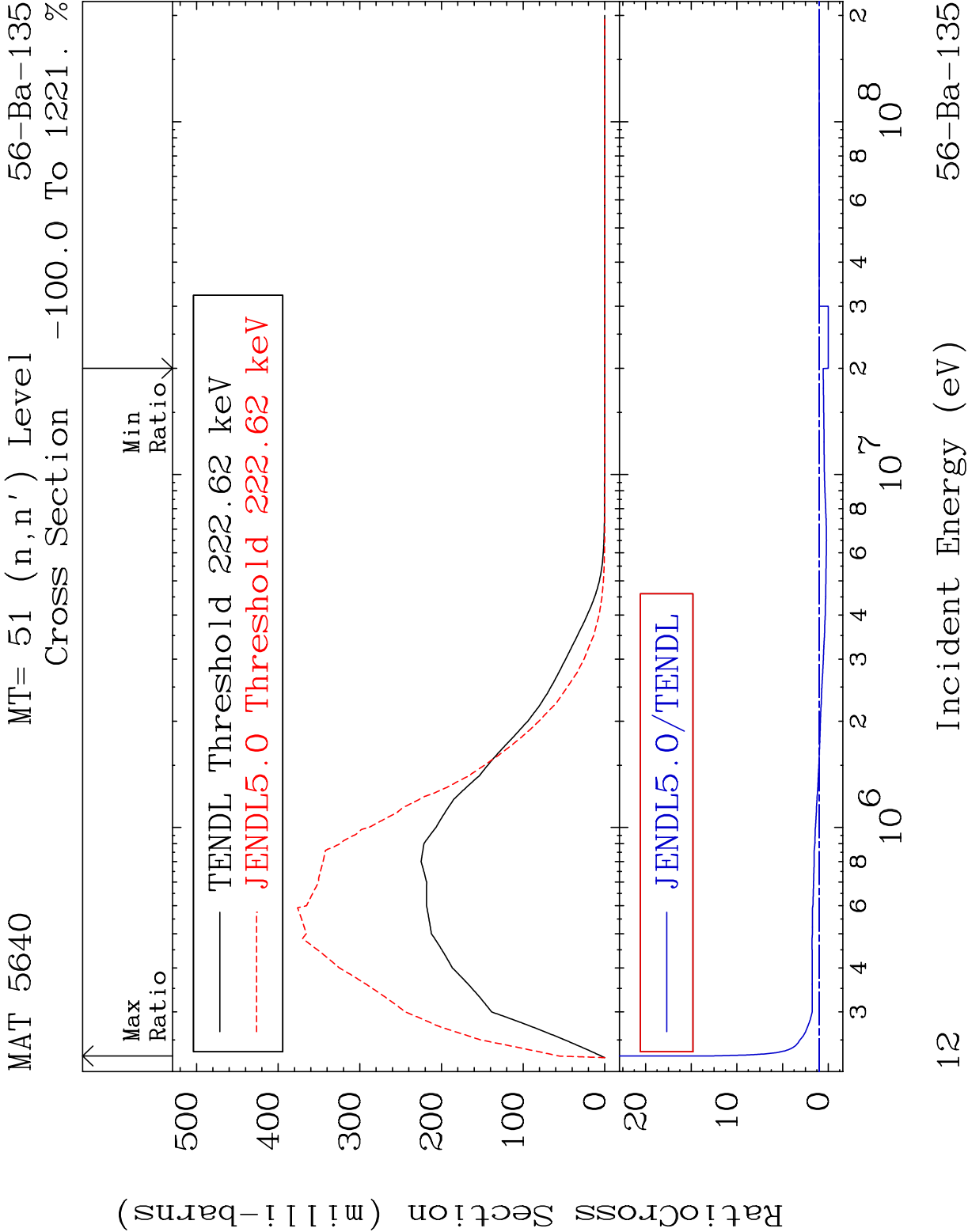




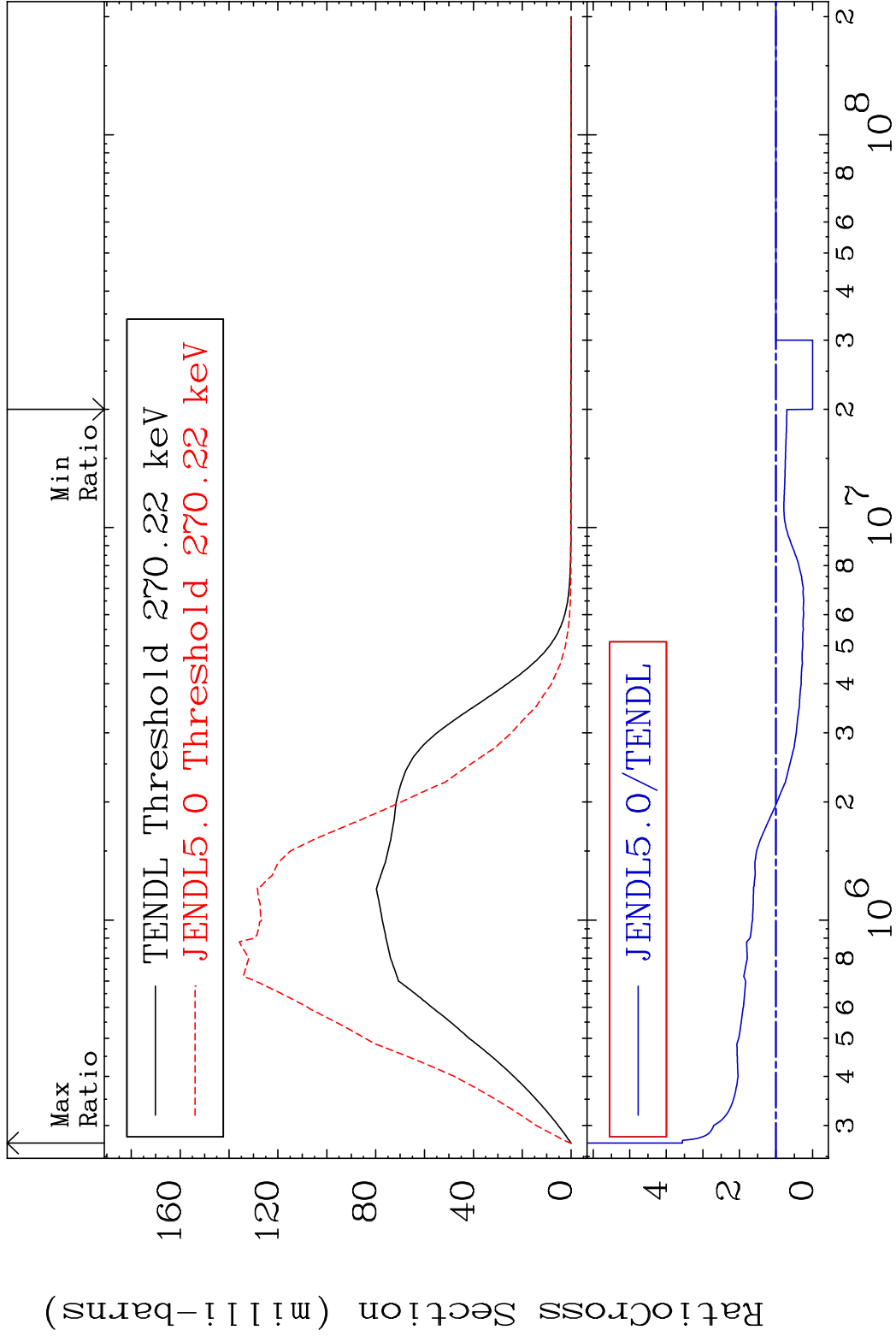


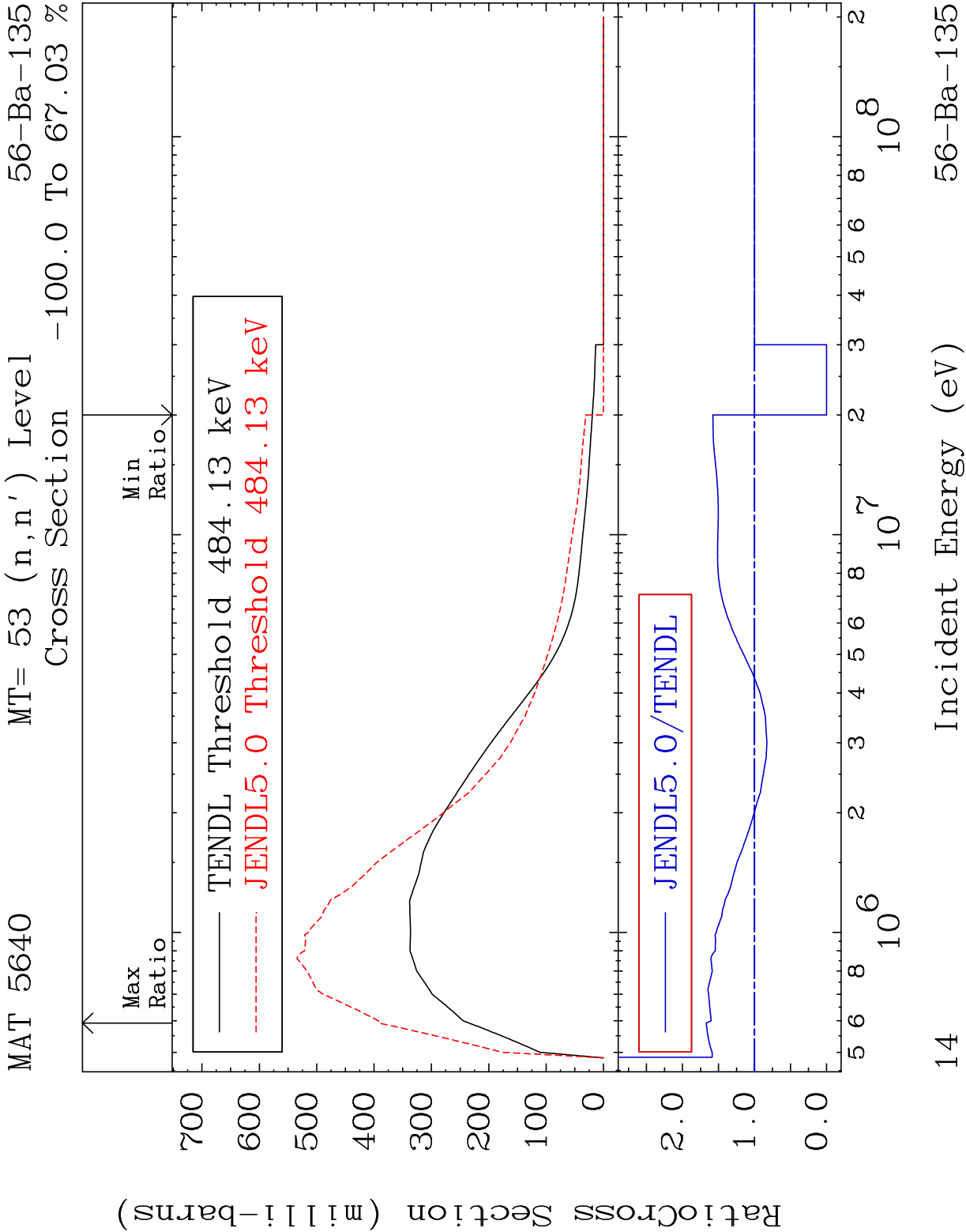
101082

56-Ba-135

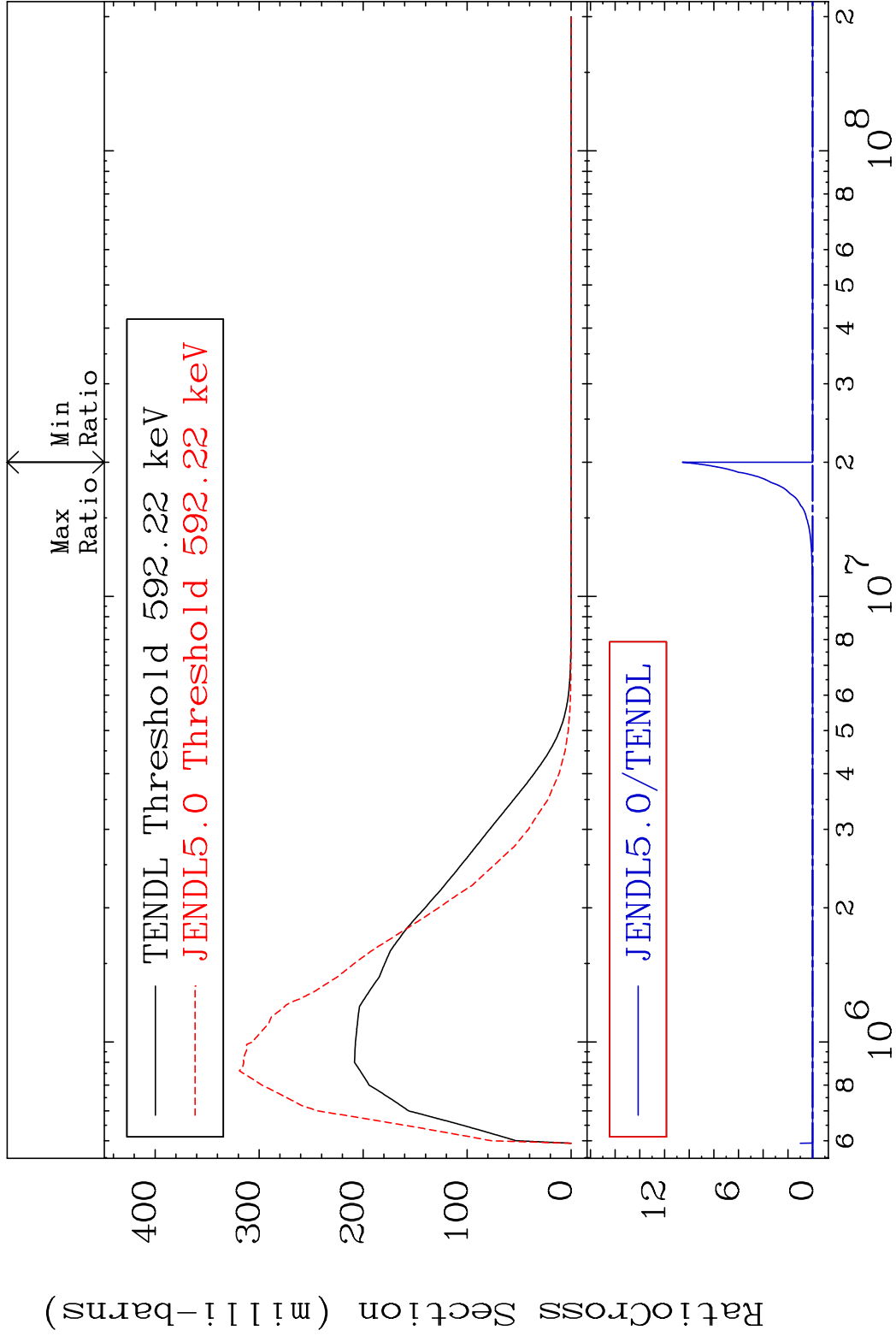


MAT 5640 MT= 52 (n,n') Level 56-Ba-135
Cross Section -100.0 To 256.0 %



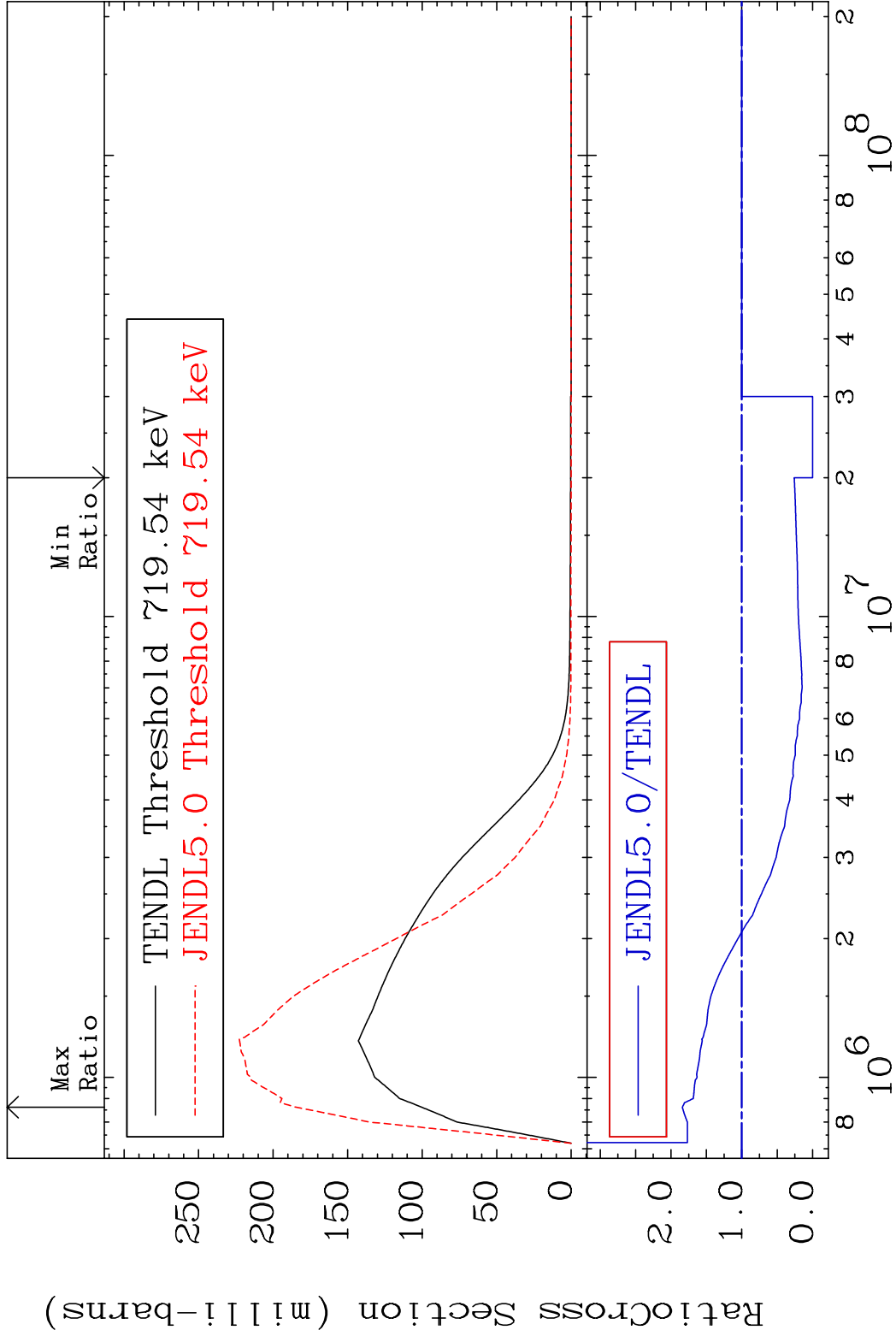


MAT 5640 MT= 54 (n,n') Level 56-Ba-135
Cross Section -100.0 To 9999. %

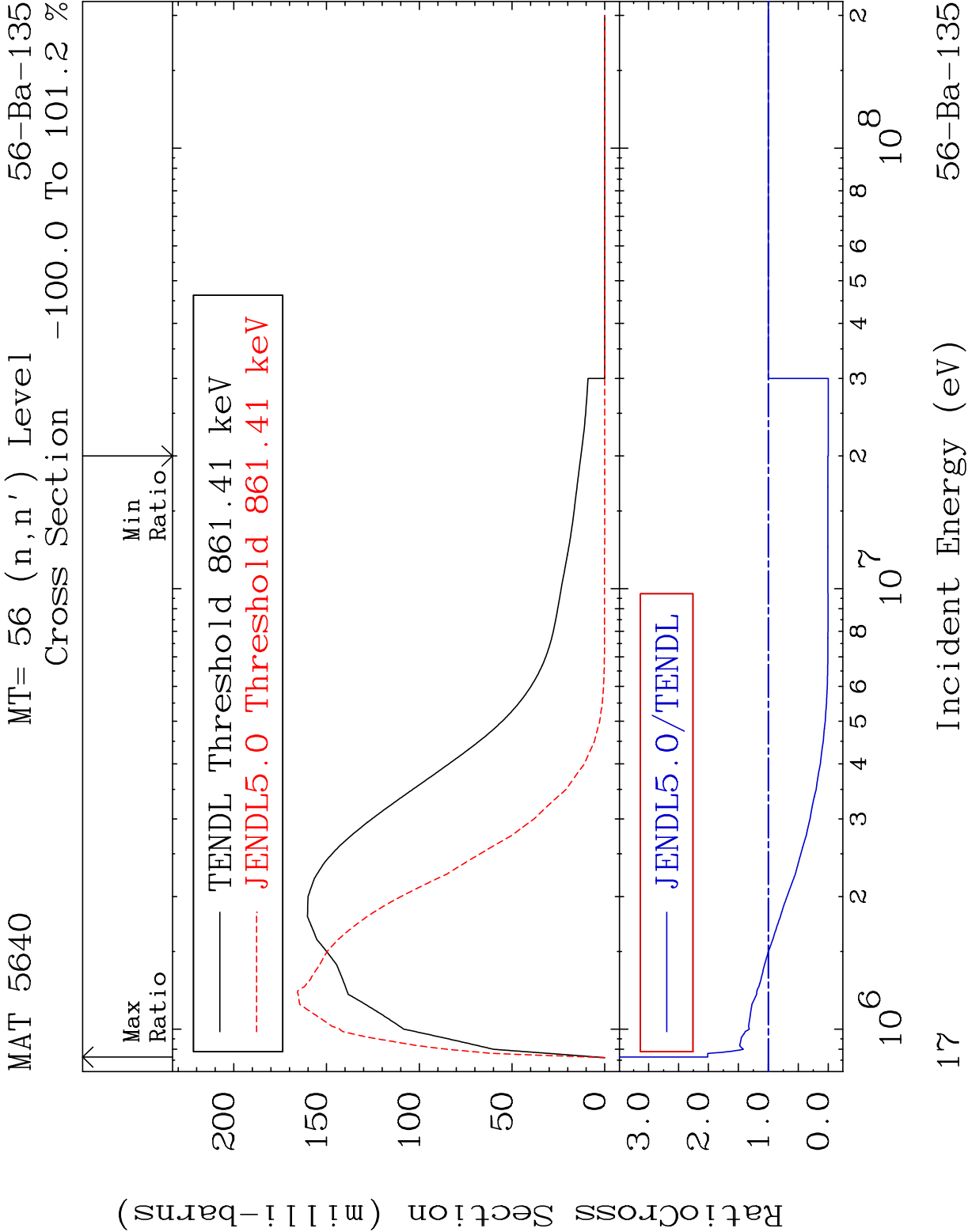


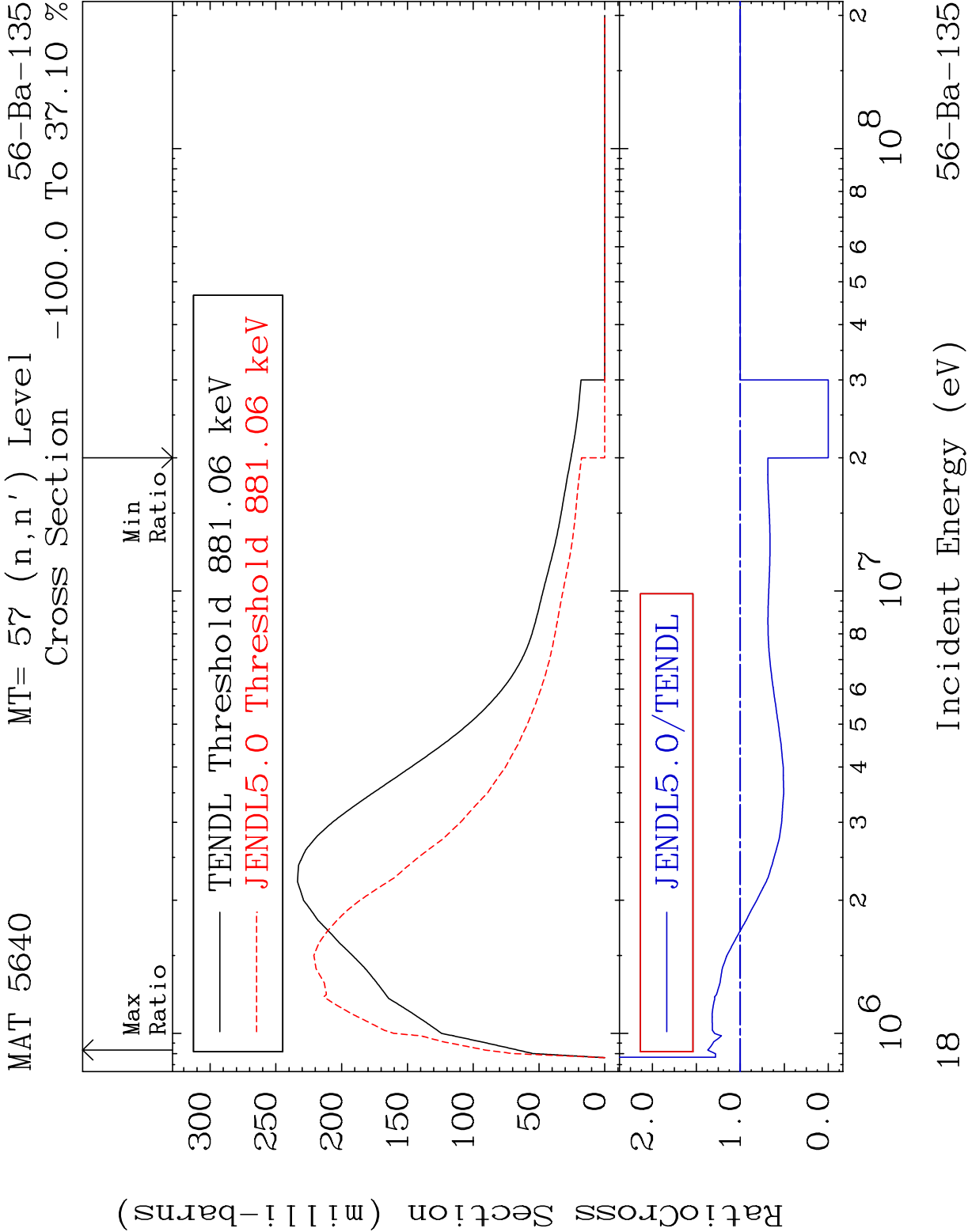
15 Incident Energy (eV) 56-Ba-135

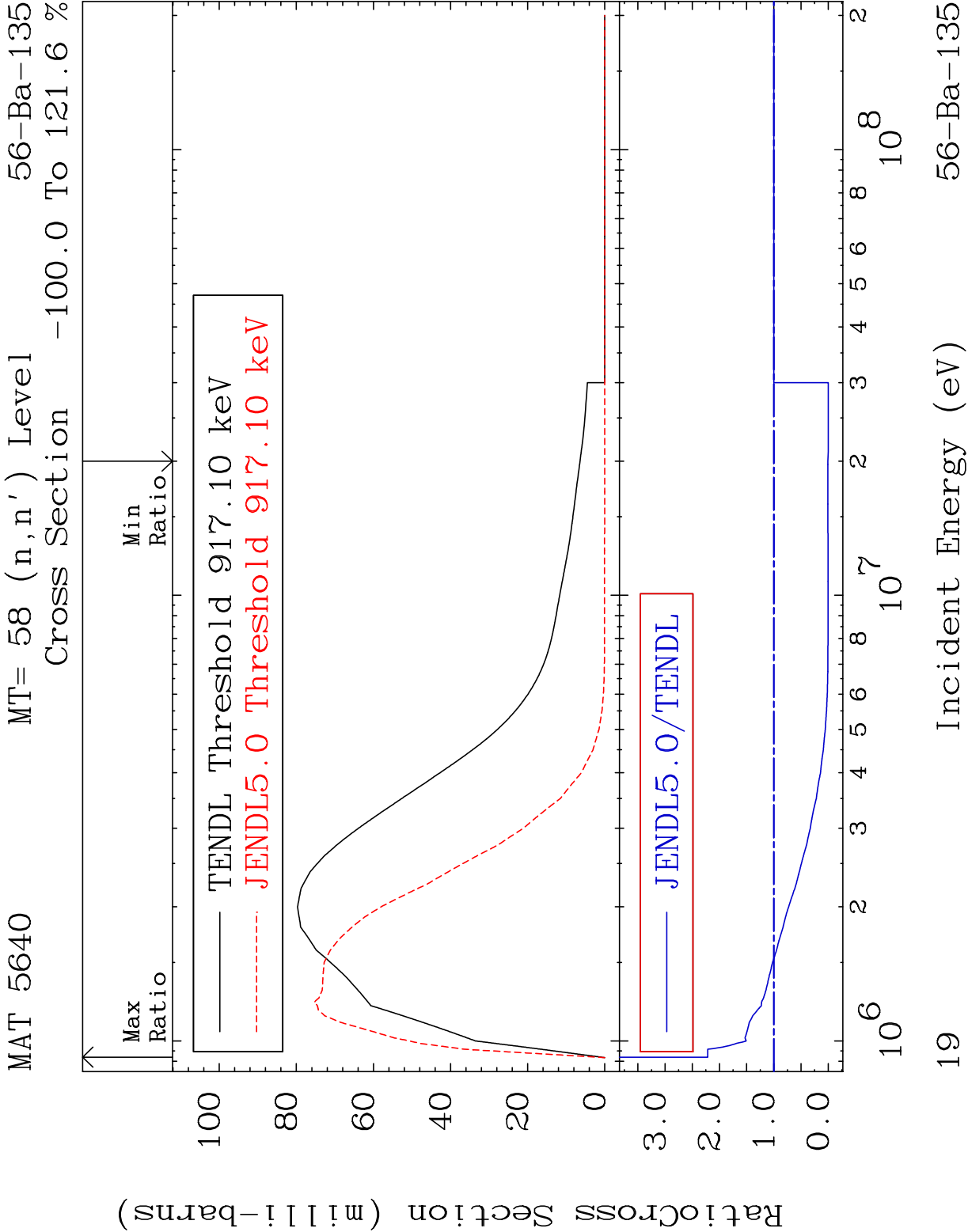
MAT 5640 MT= 55 (n,n') Level 56-Ba-135
Cross Section -100.0 To 83.95 %

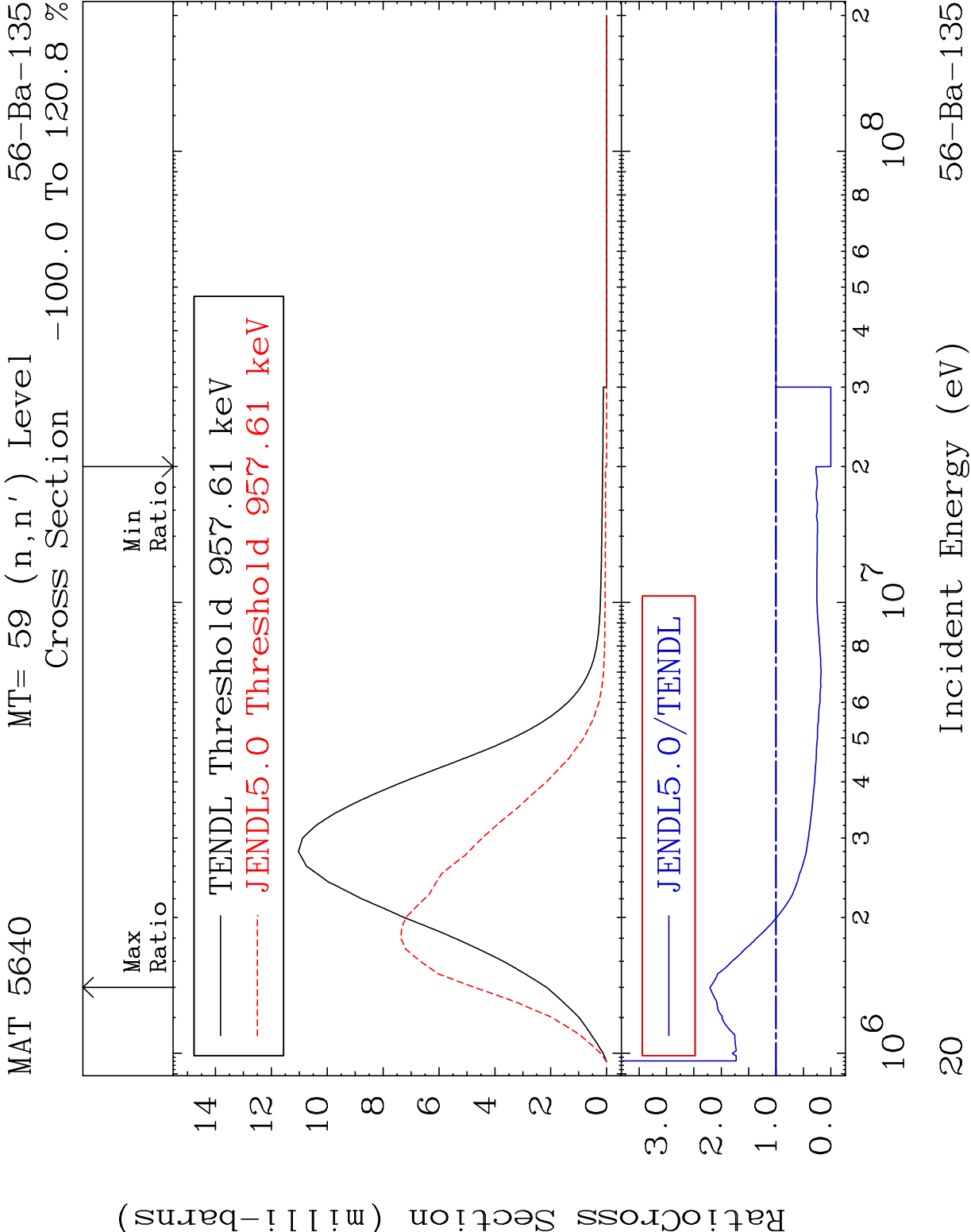


16 Incident Energy (eV) 56-Ba-135

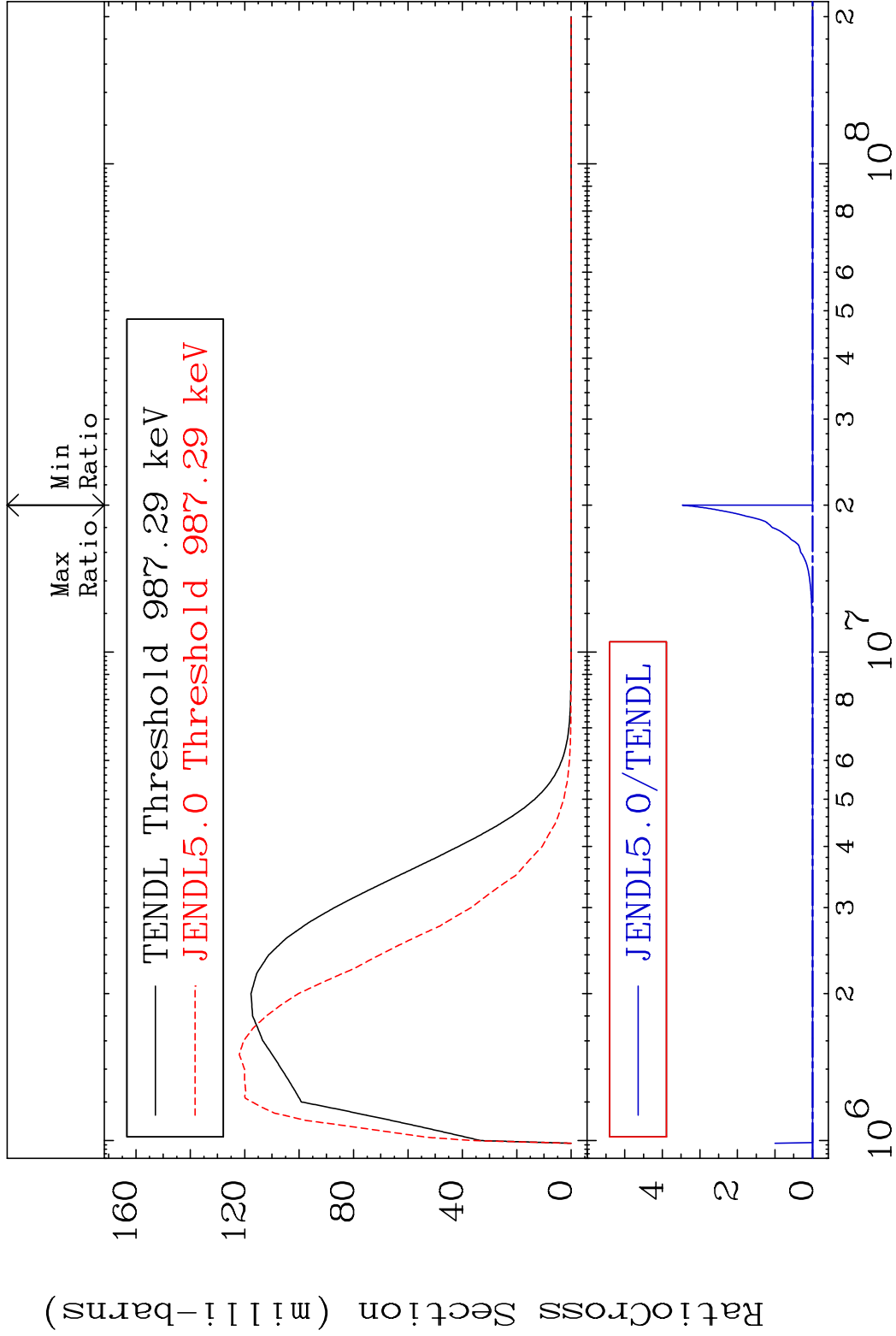




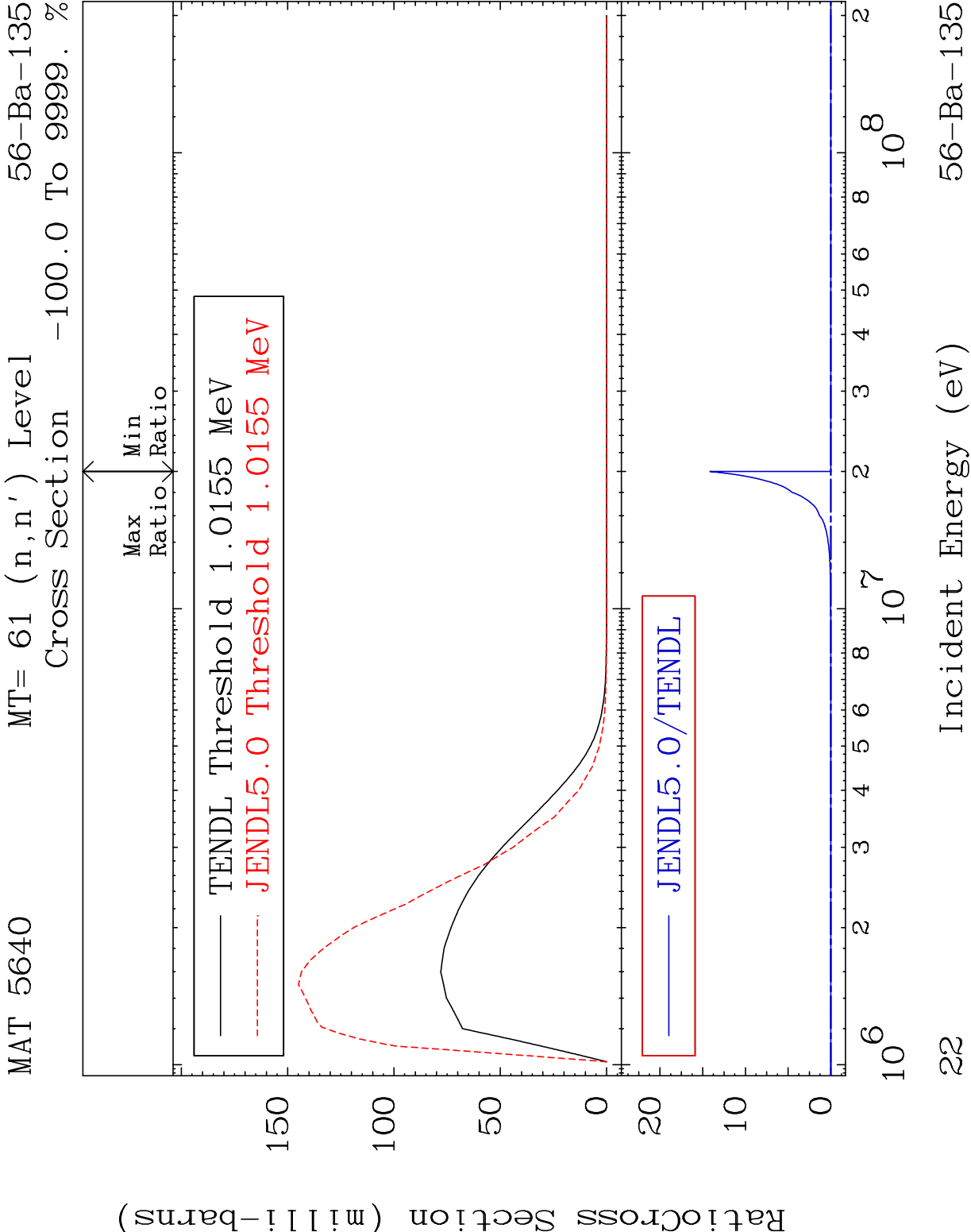


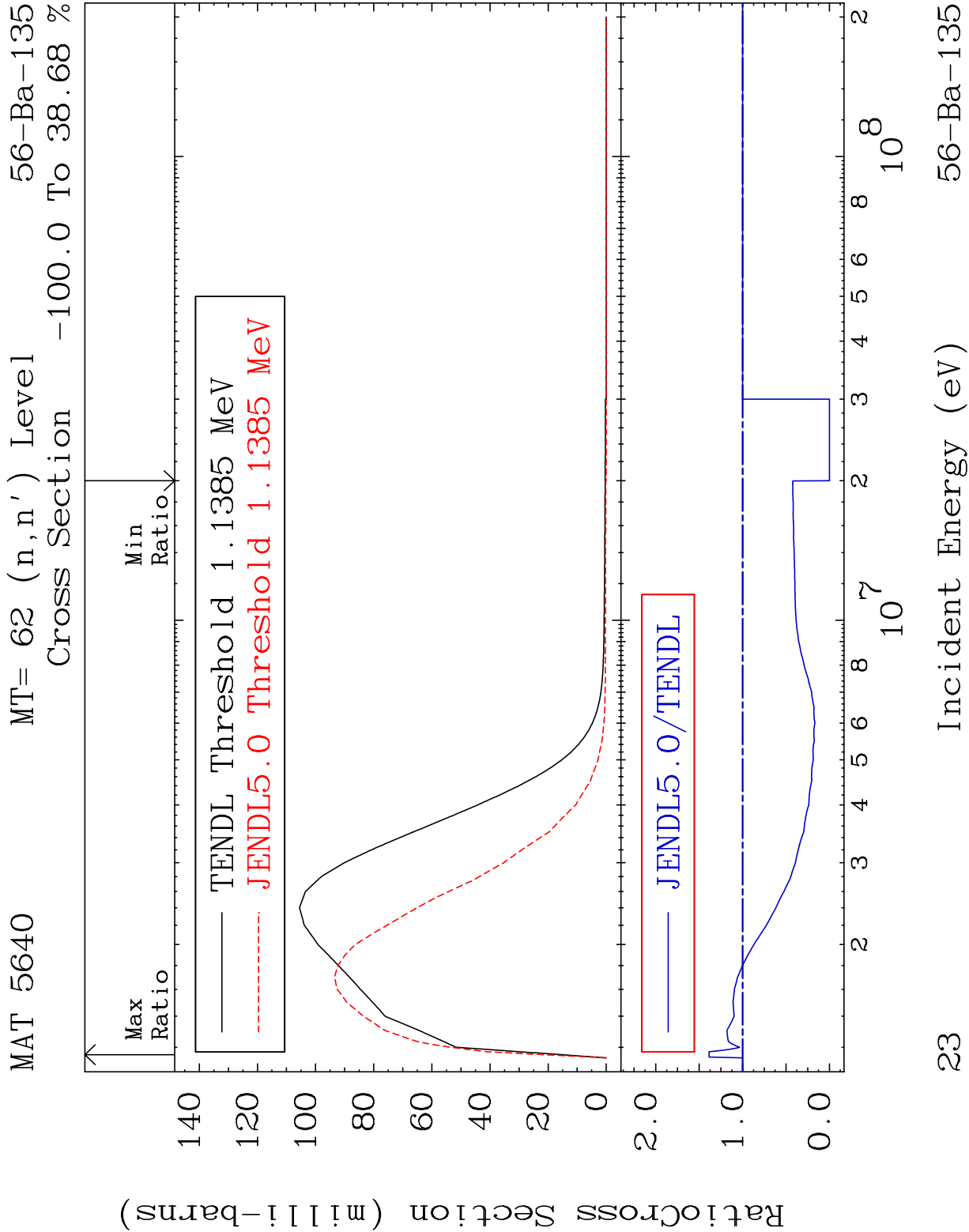


MAT 5640 MT= 60 (n,n') Level 56-Ba-135
Cross Section -100.0 To 9999. %



21 Incident Energy (eV) 56-Ba-135



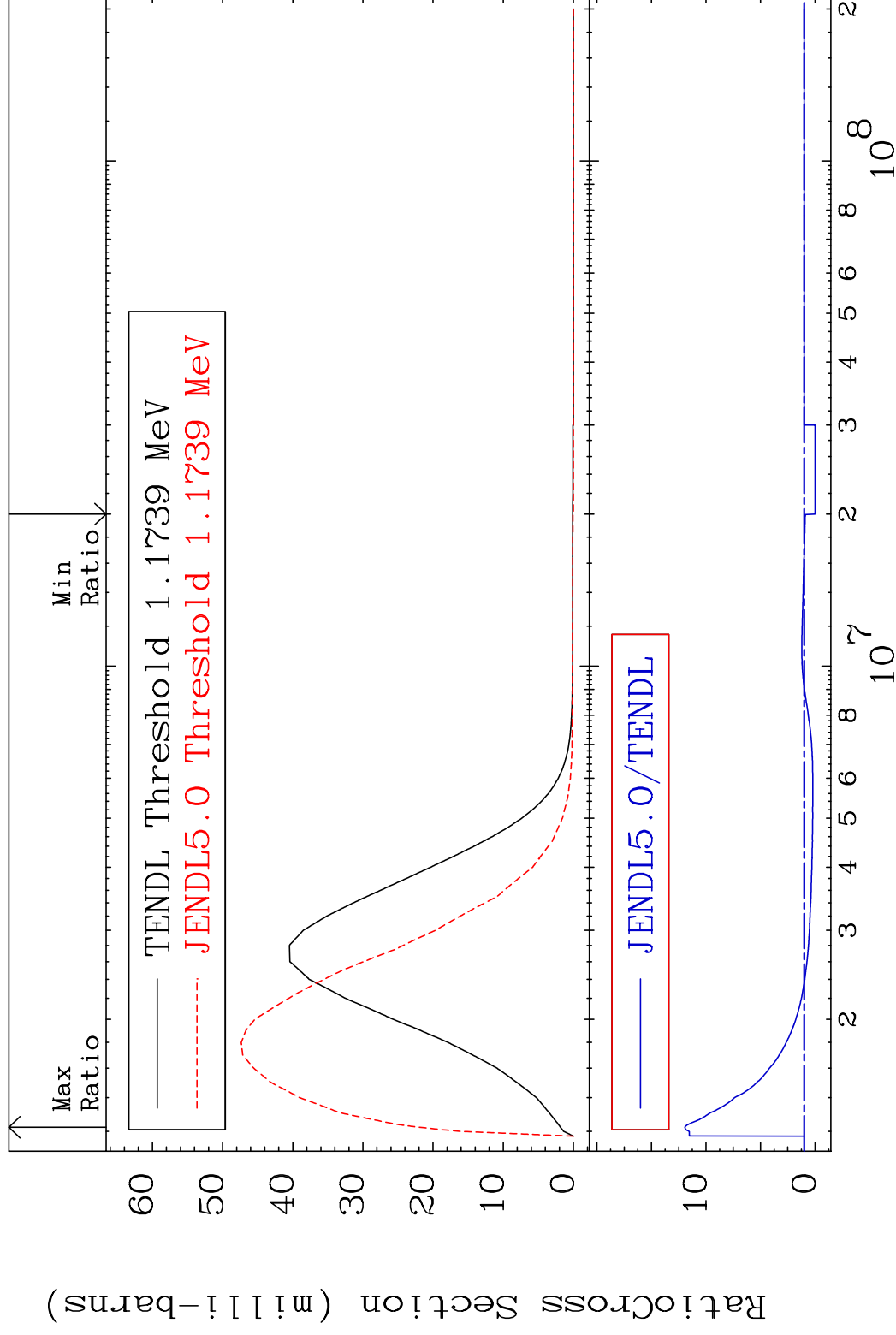


MAT 5640

MT= 63 (n, n') Level

56-Ba-135

Cross Section	-100.0 To 1095. %
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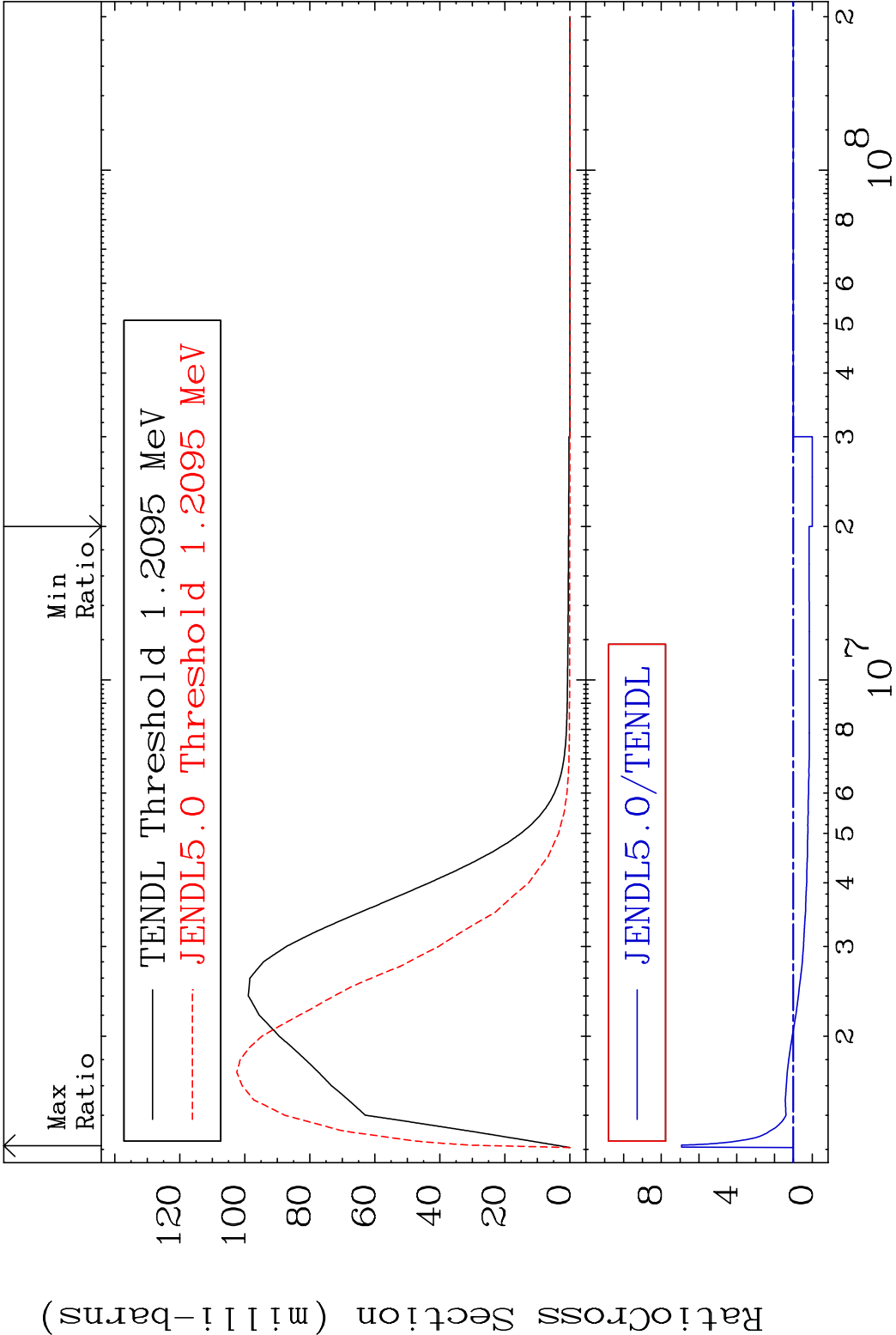
MAT 5640

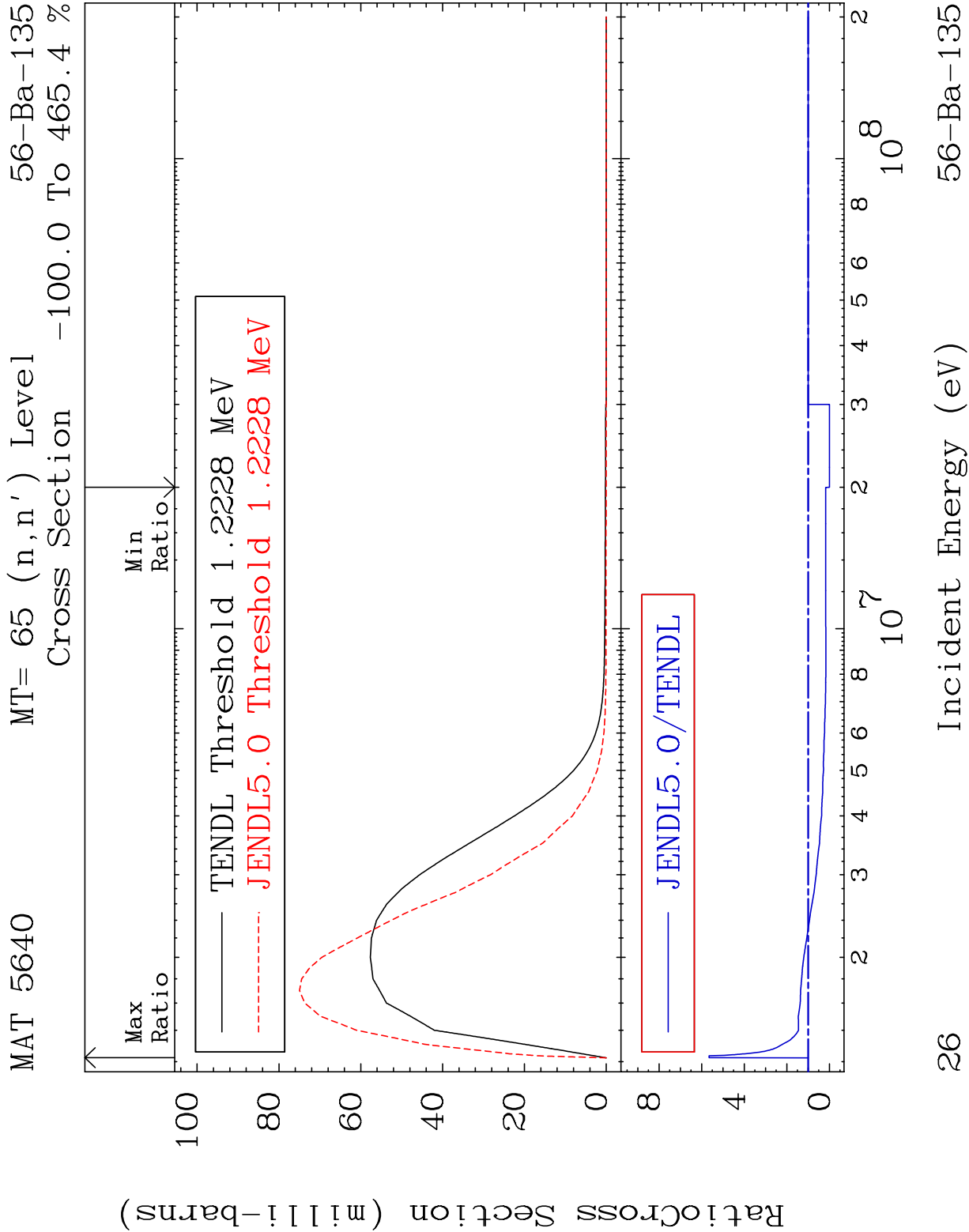
MT= 64 (n,n') Level

56-Ba-135

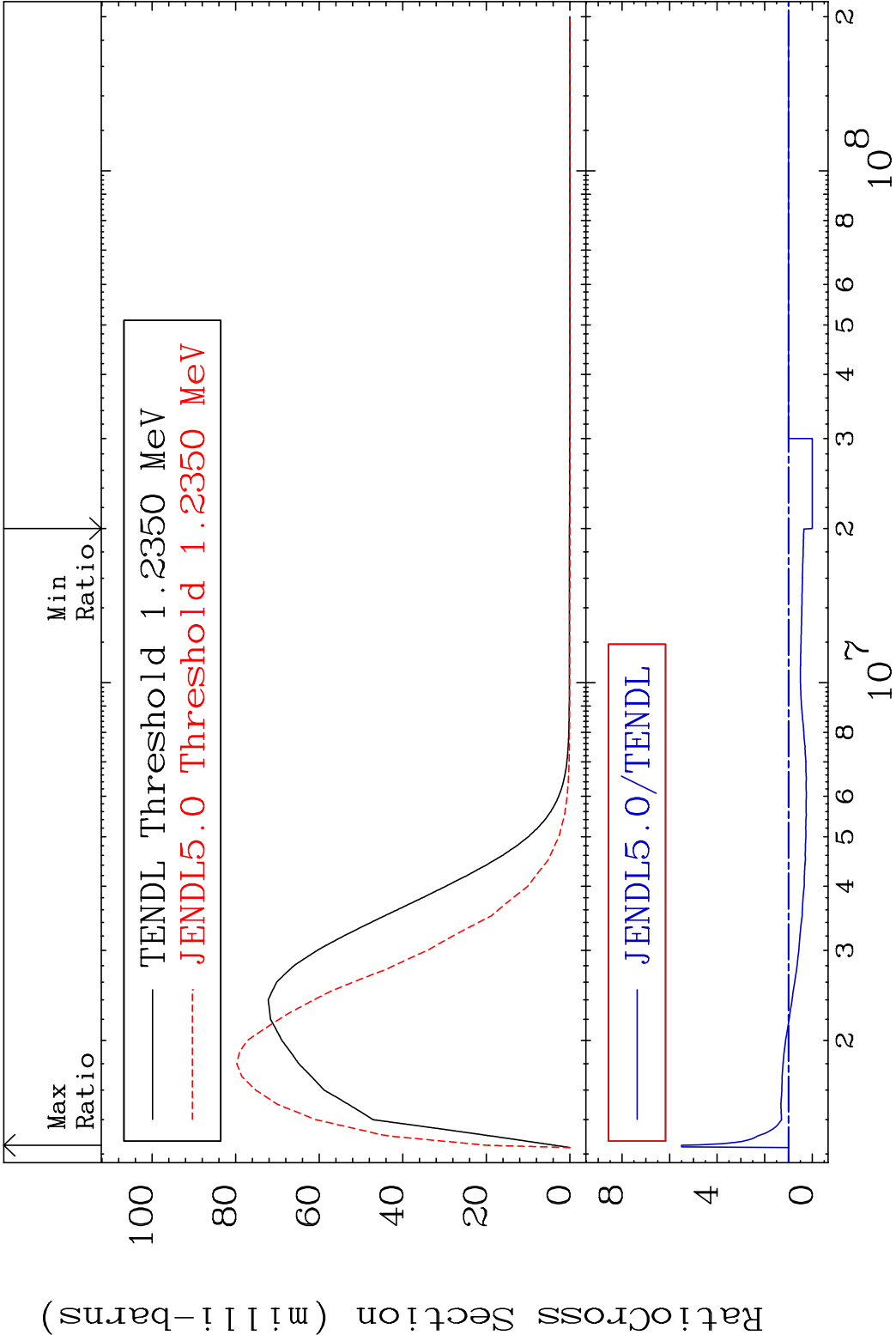
Cross Section

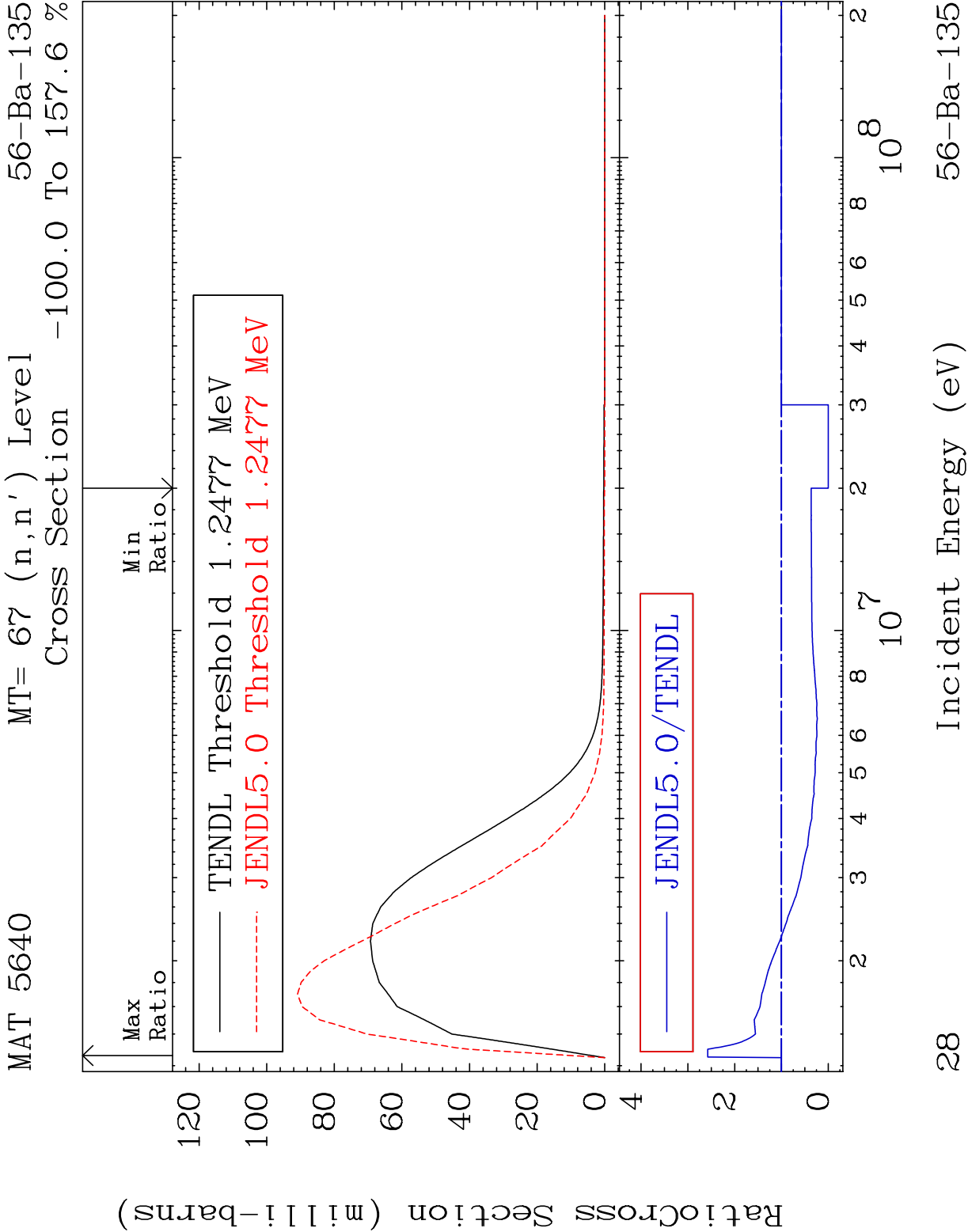
-100.0 To 592.7 %



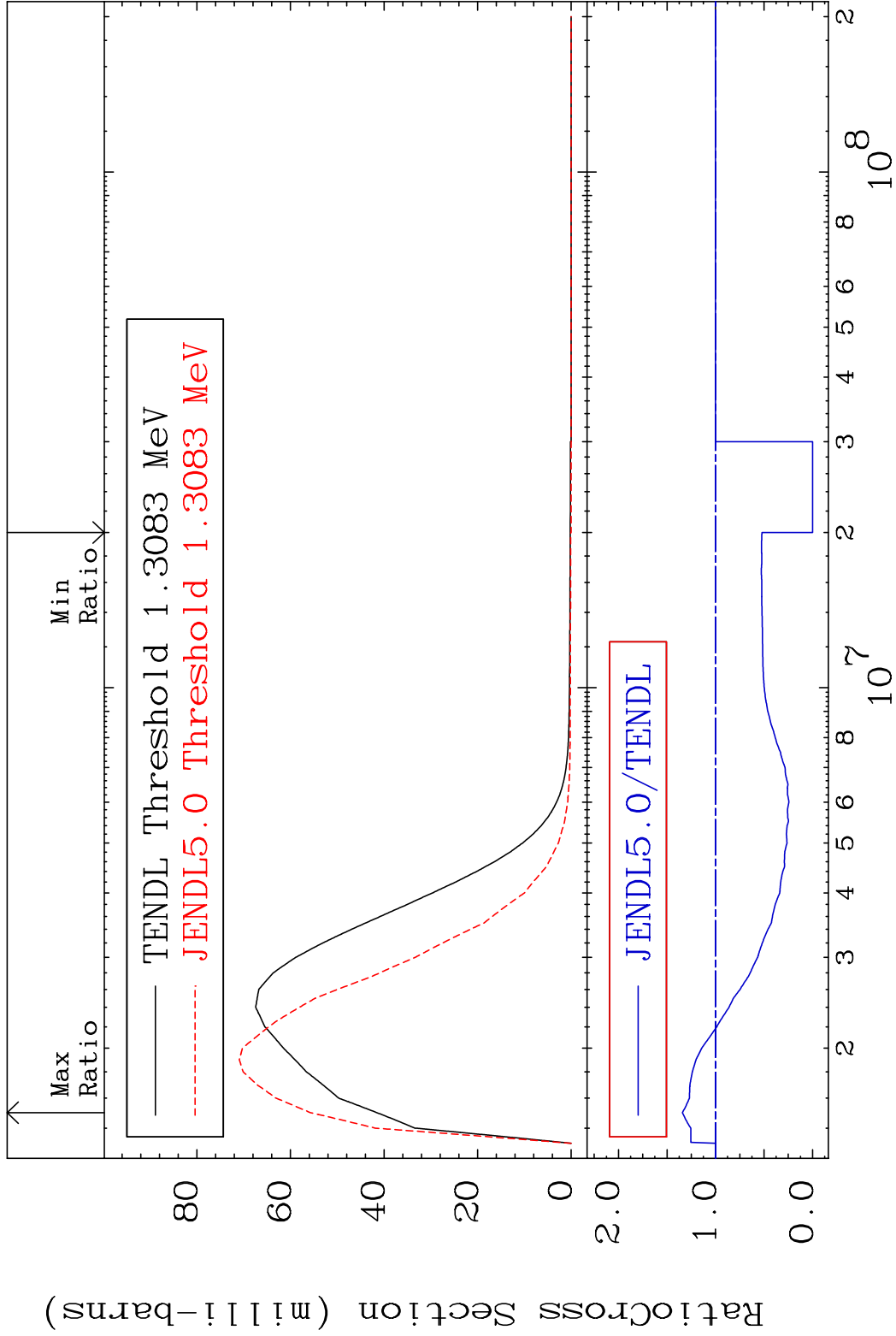


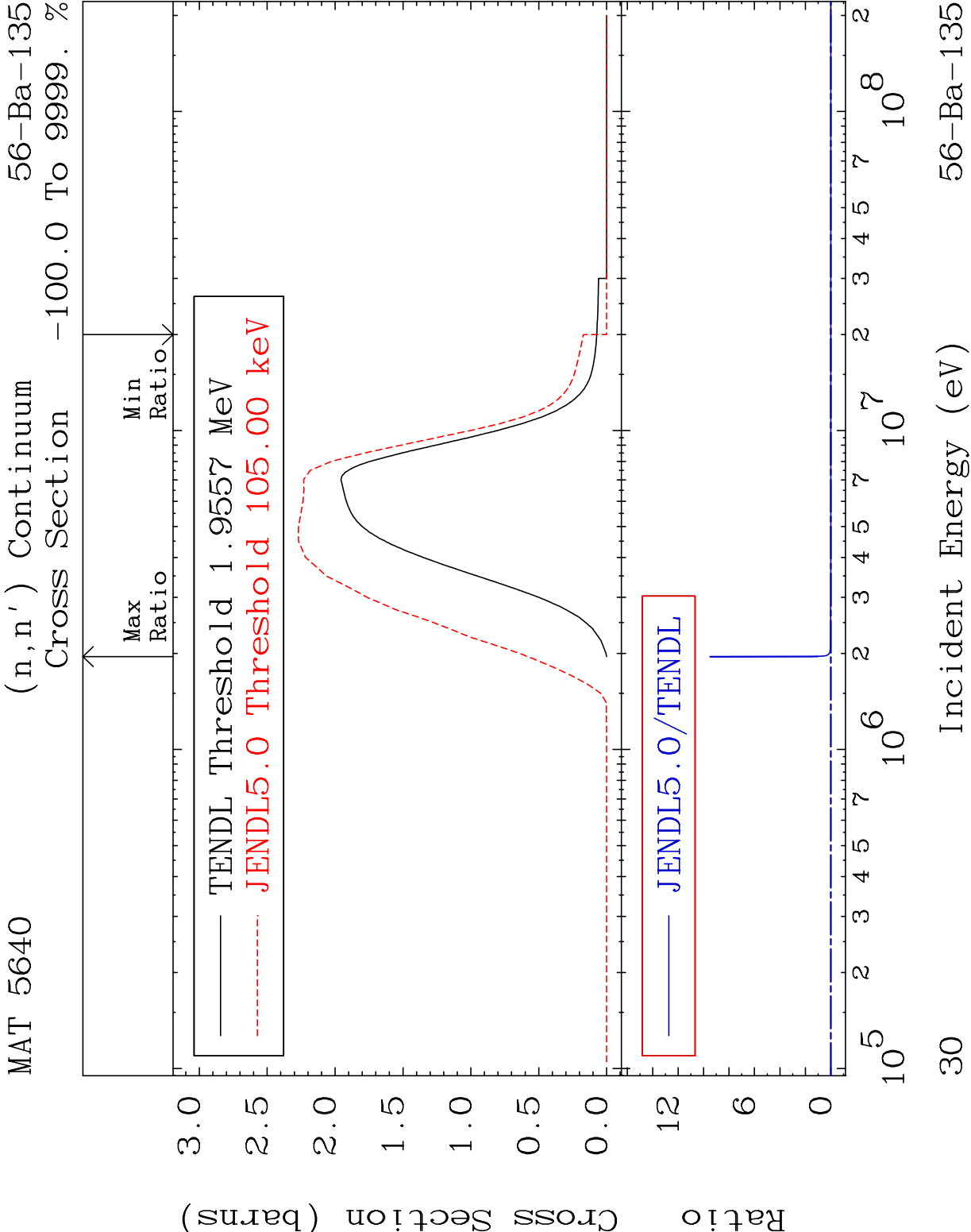
MAT 5640 MT= 66 (n,n') Level 56-Ba-135
Cross Section -100.0 To 449.9 %

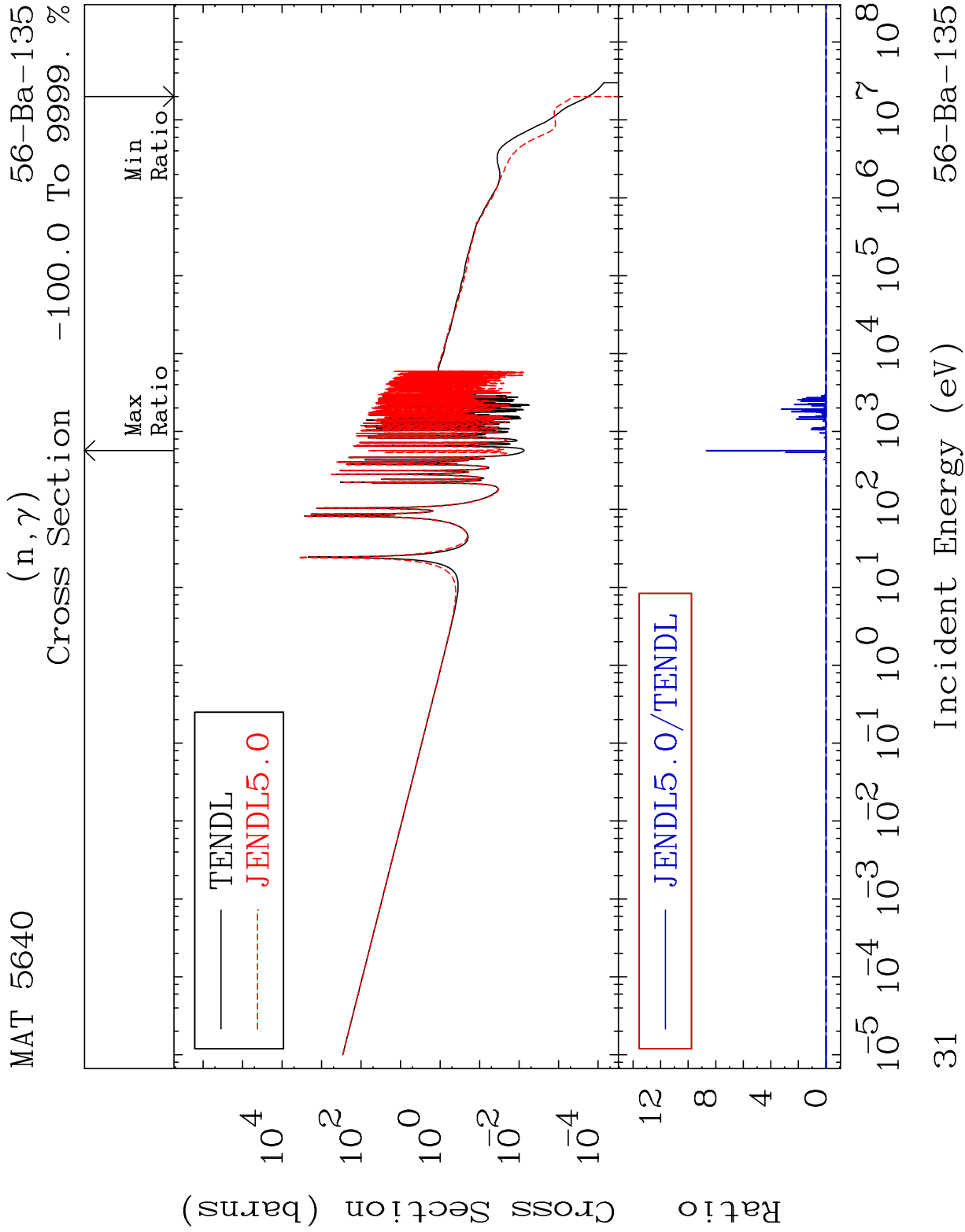


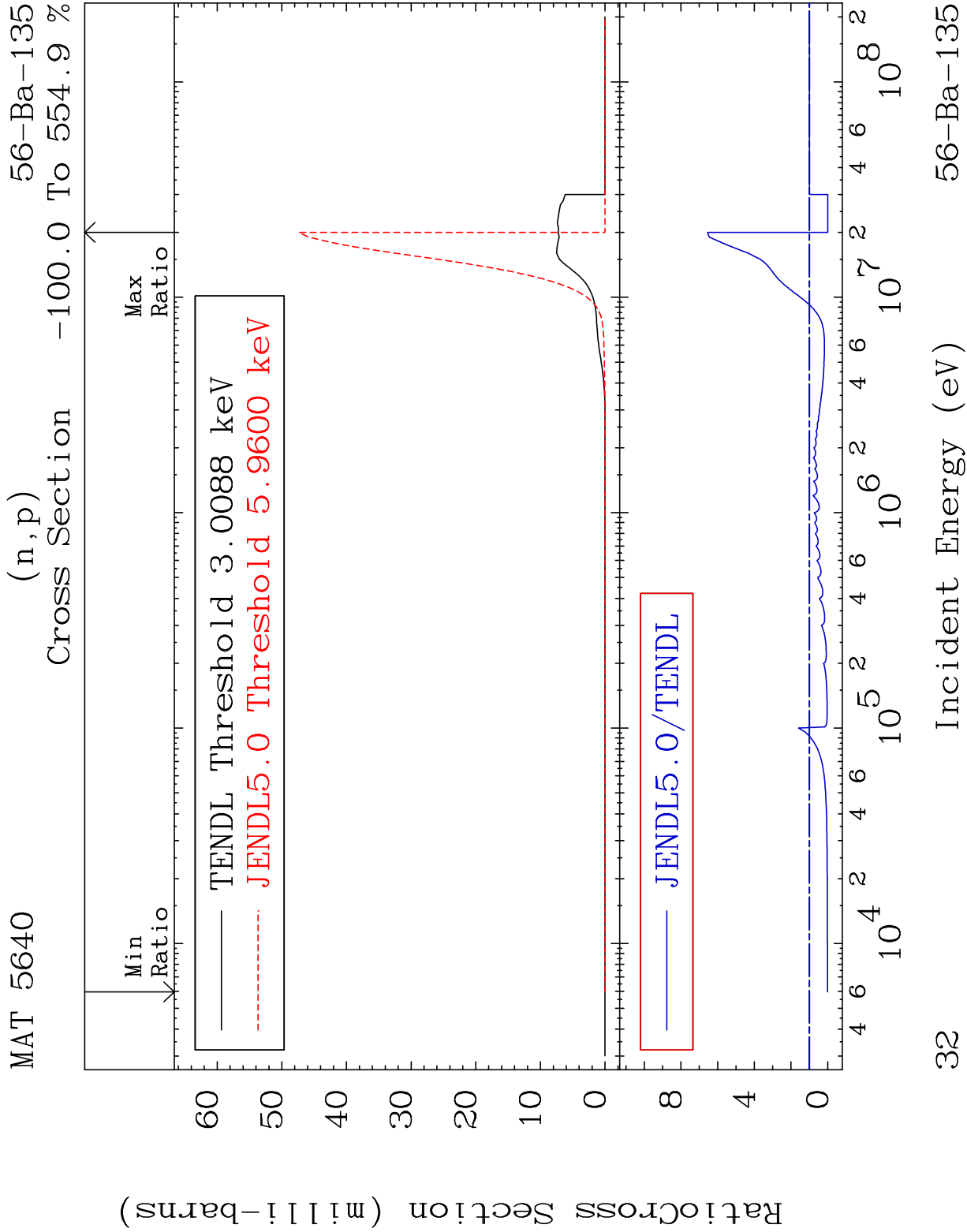


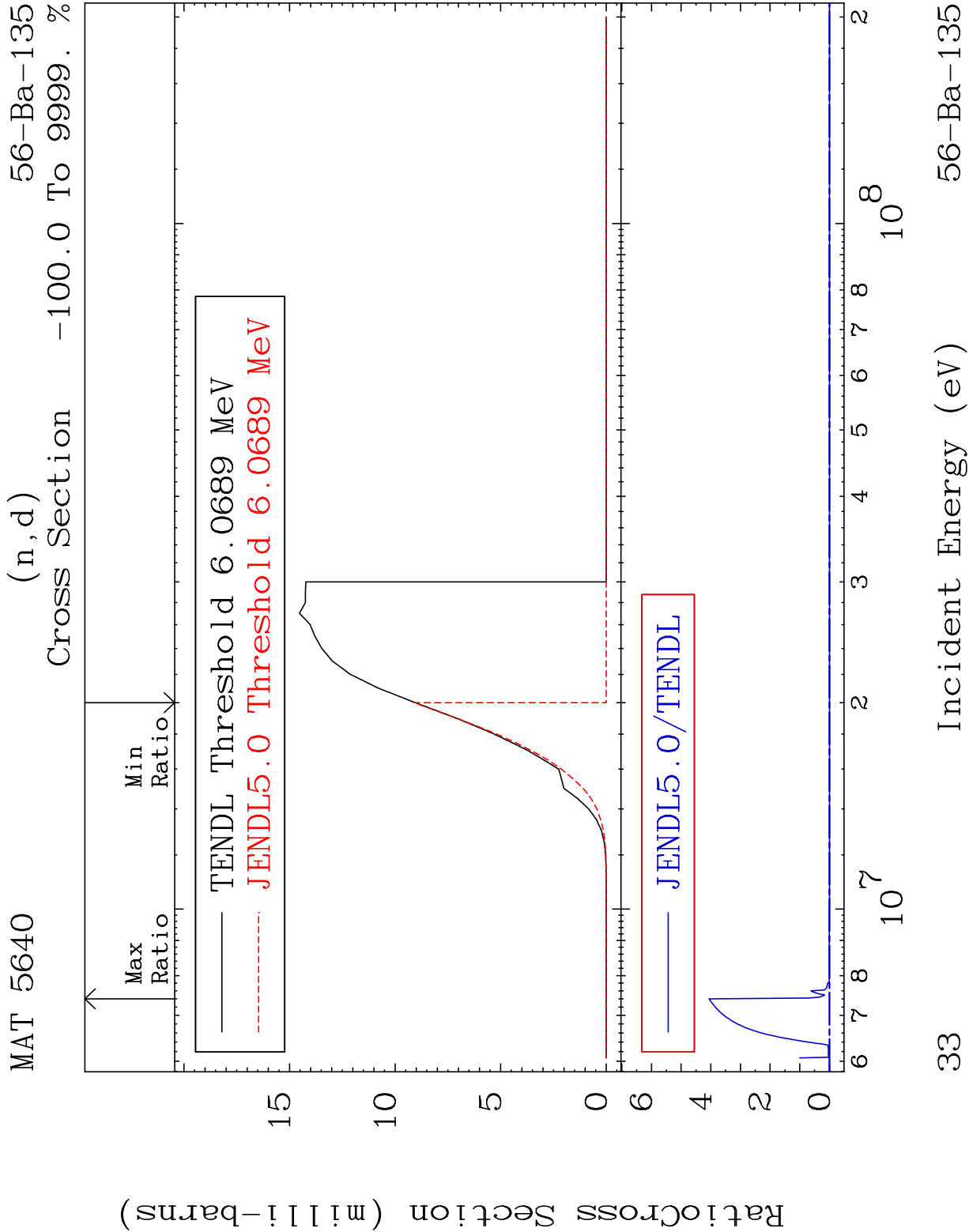
MAT 5640 MT= 68 (n,n') Level 56-Ba-135
Cross Section -100.0 To 34.18 %

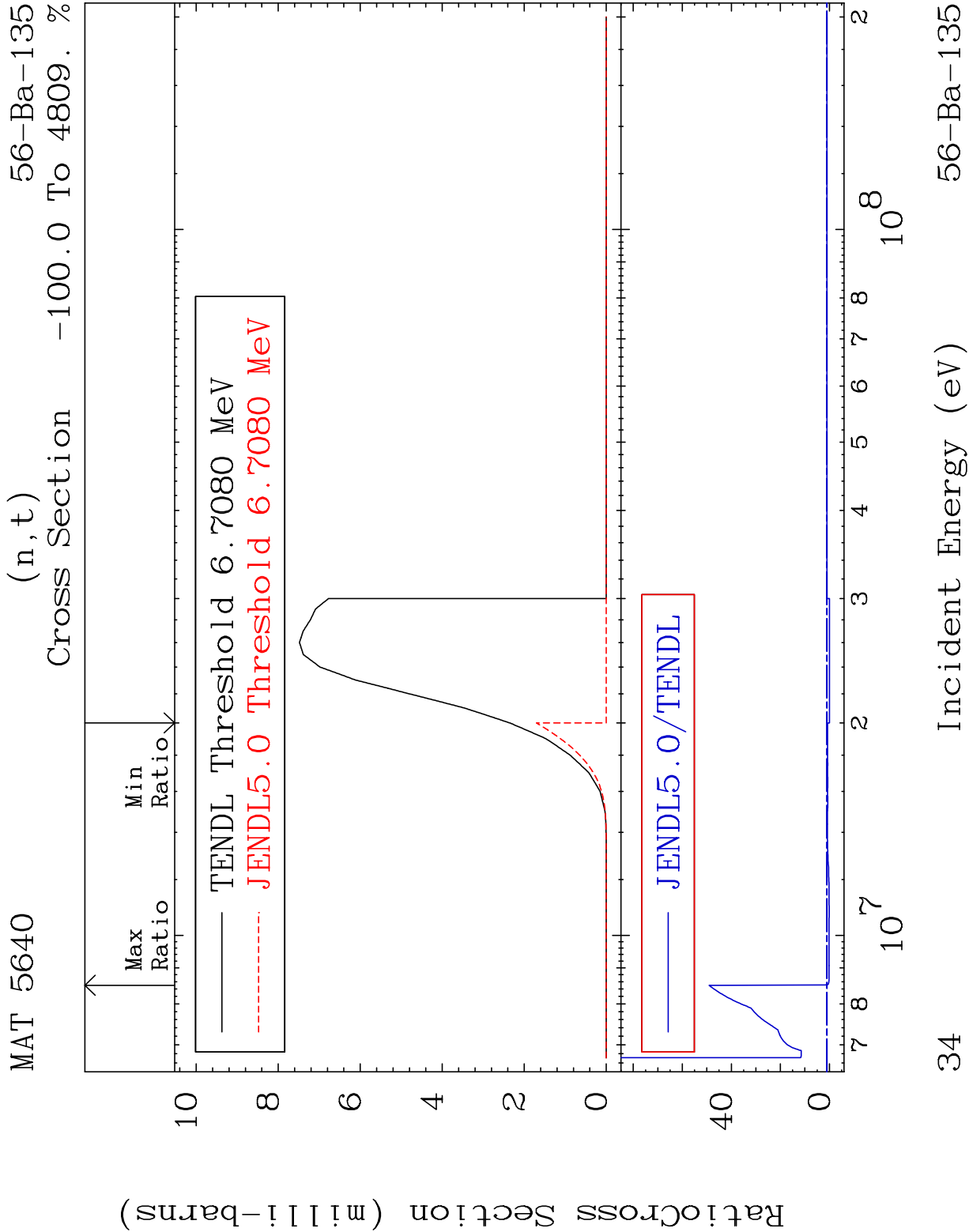


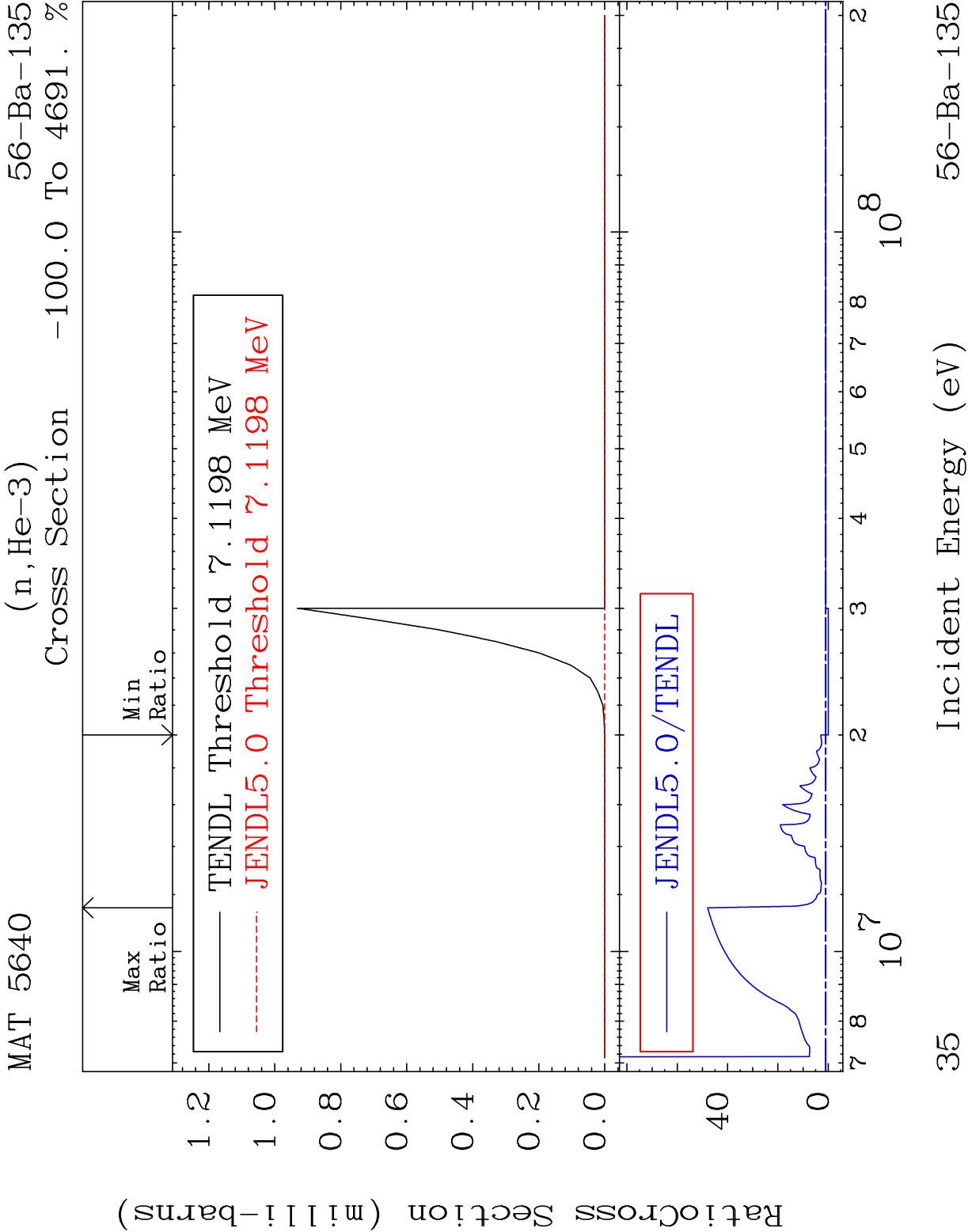


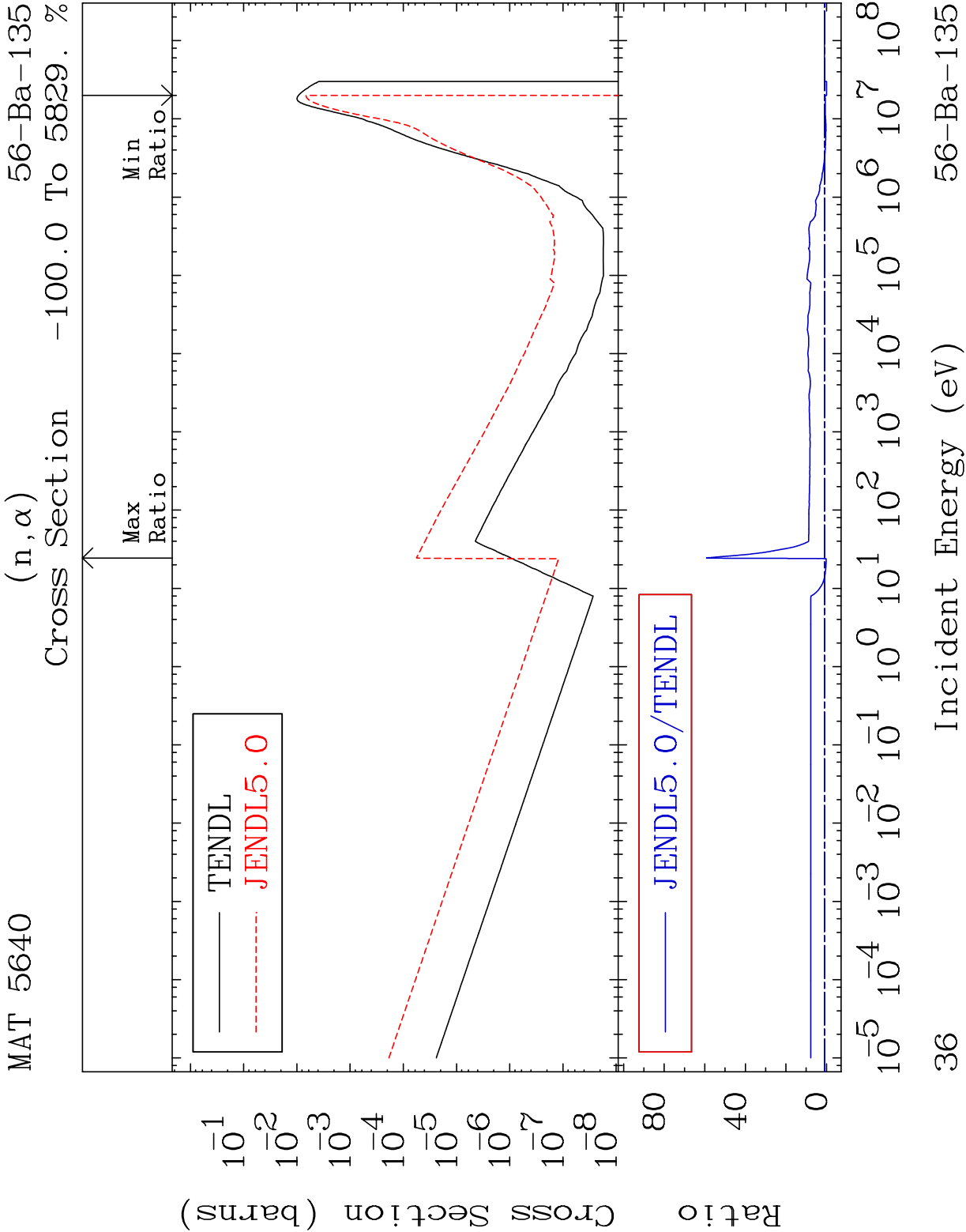


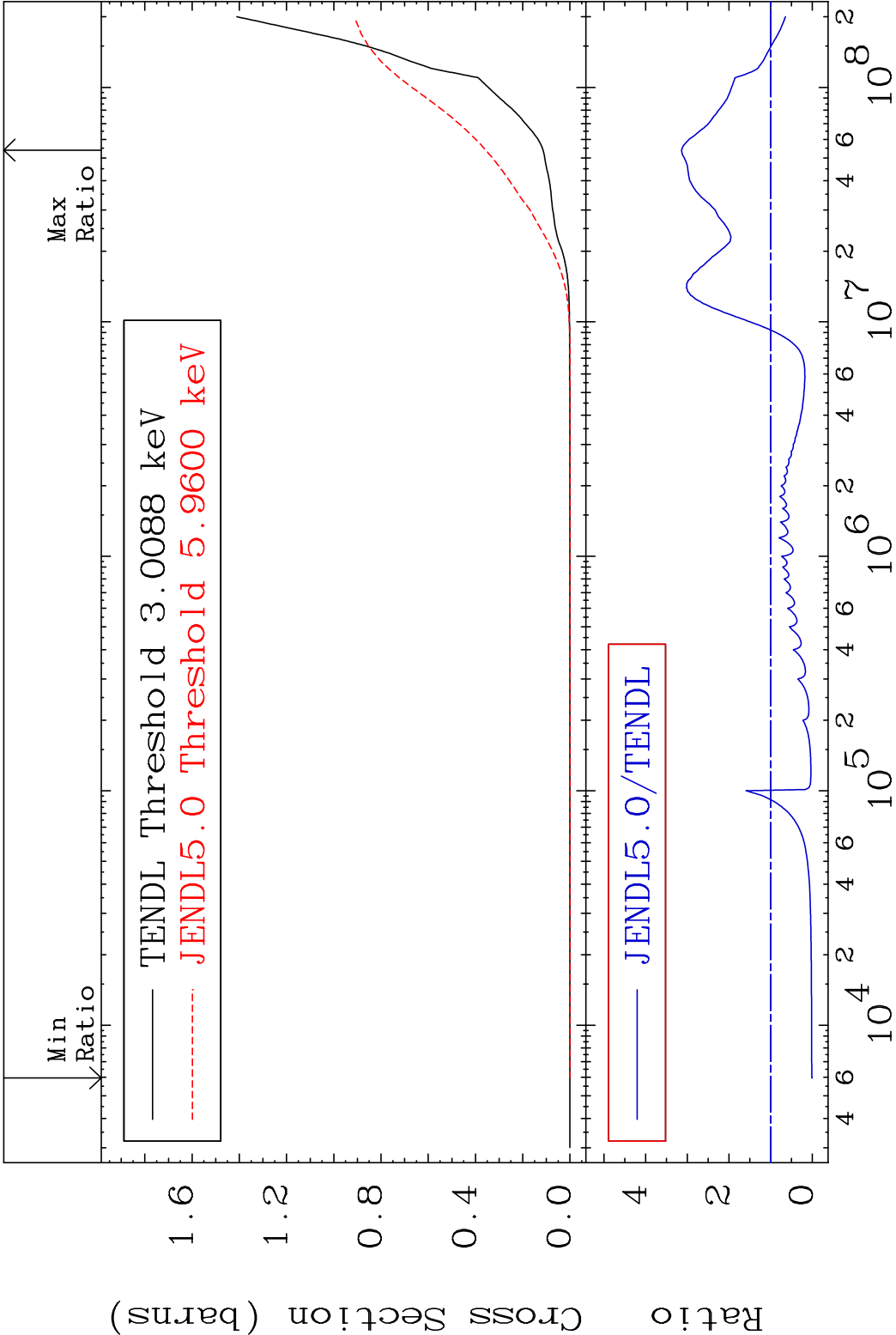


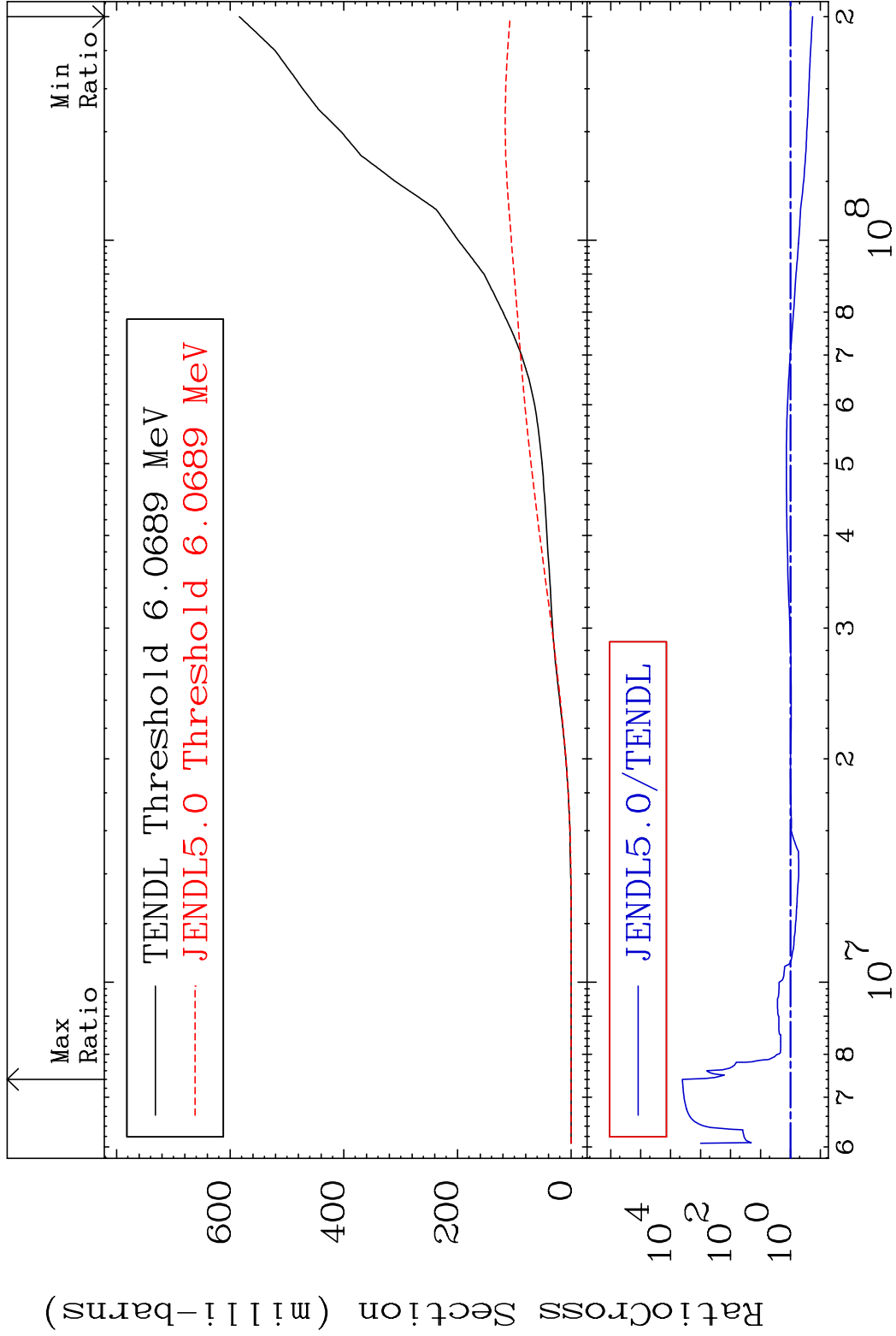












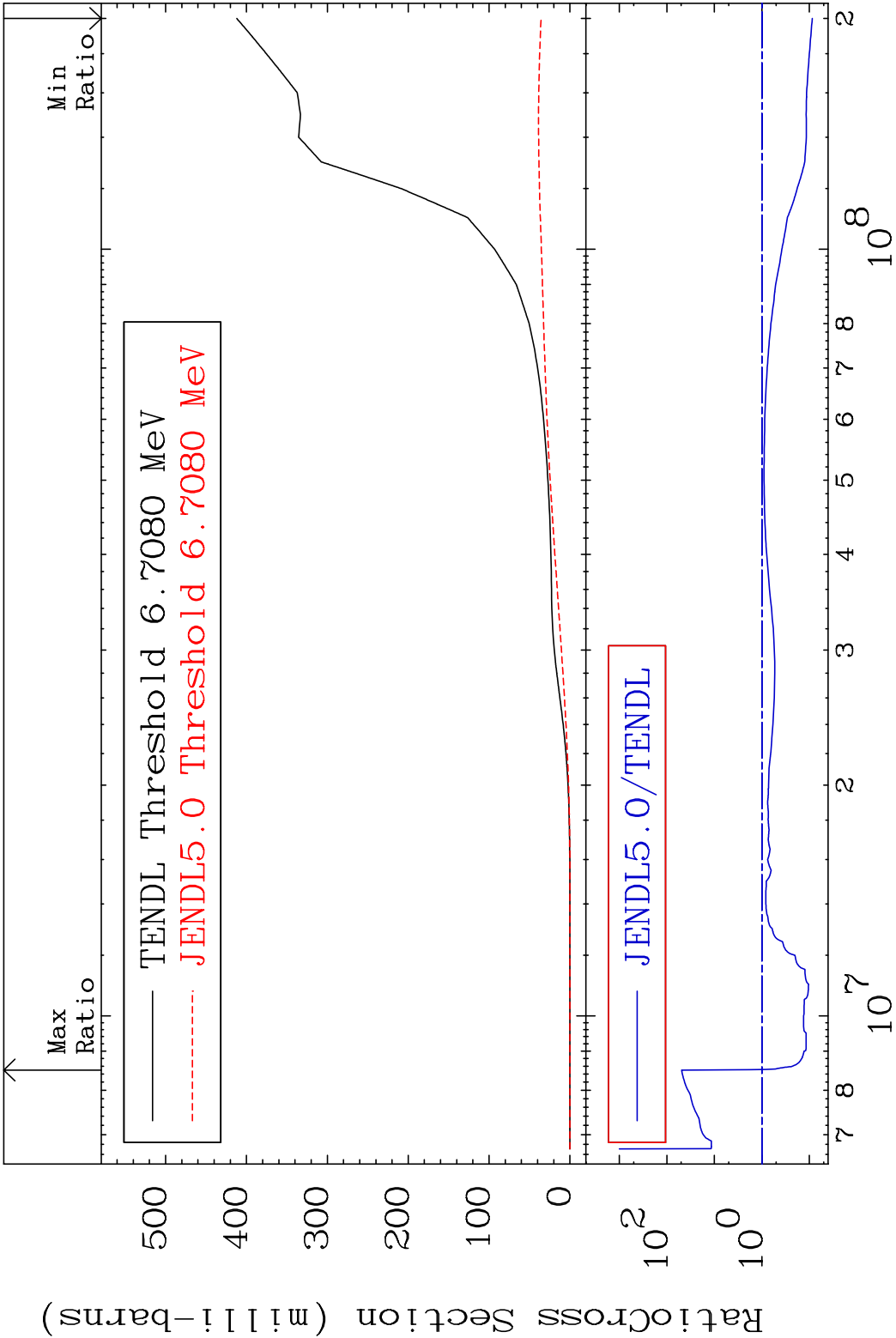
MAT 5640

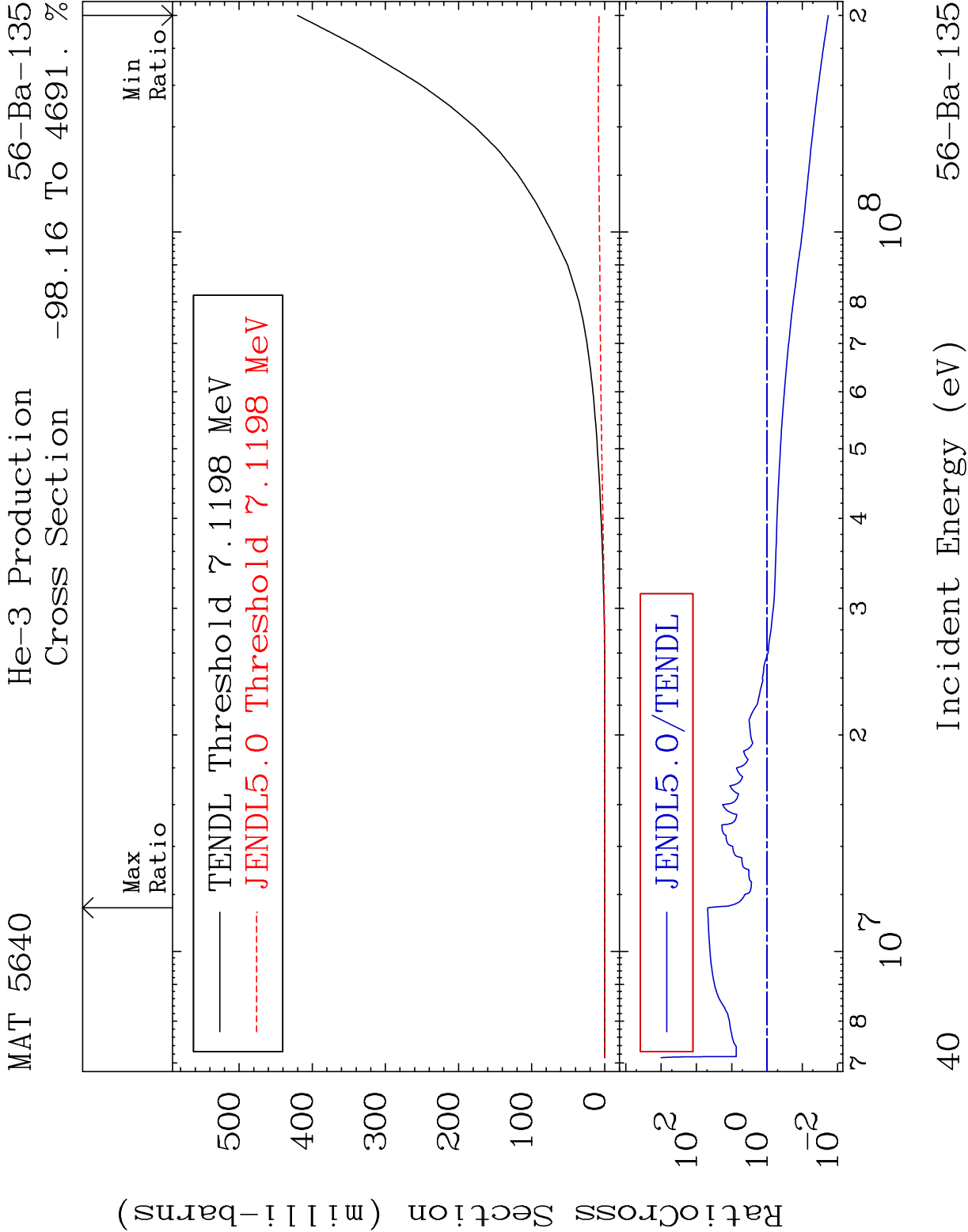
Tritium Production

56-Ba-135

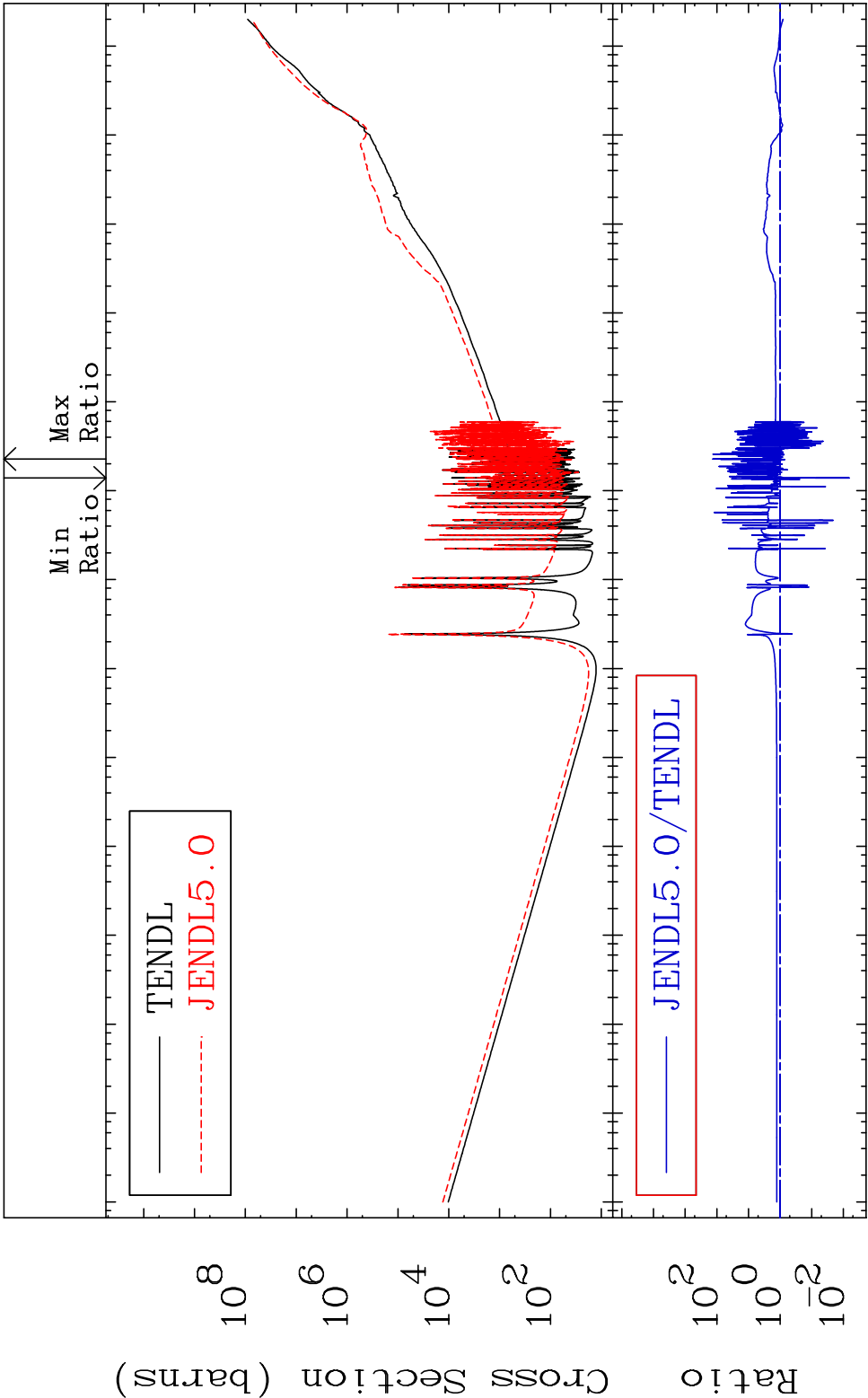
Cross Section

-91.31 To 4809. %

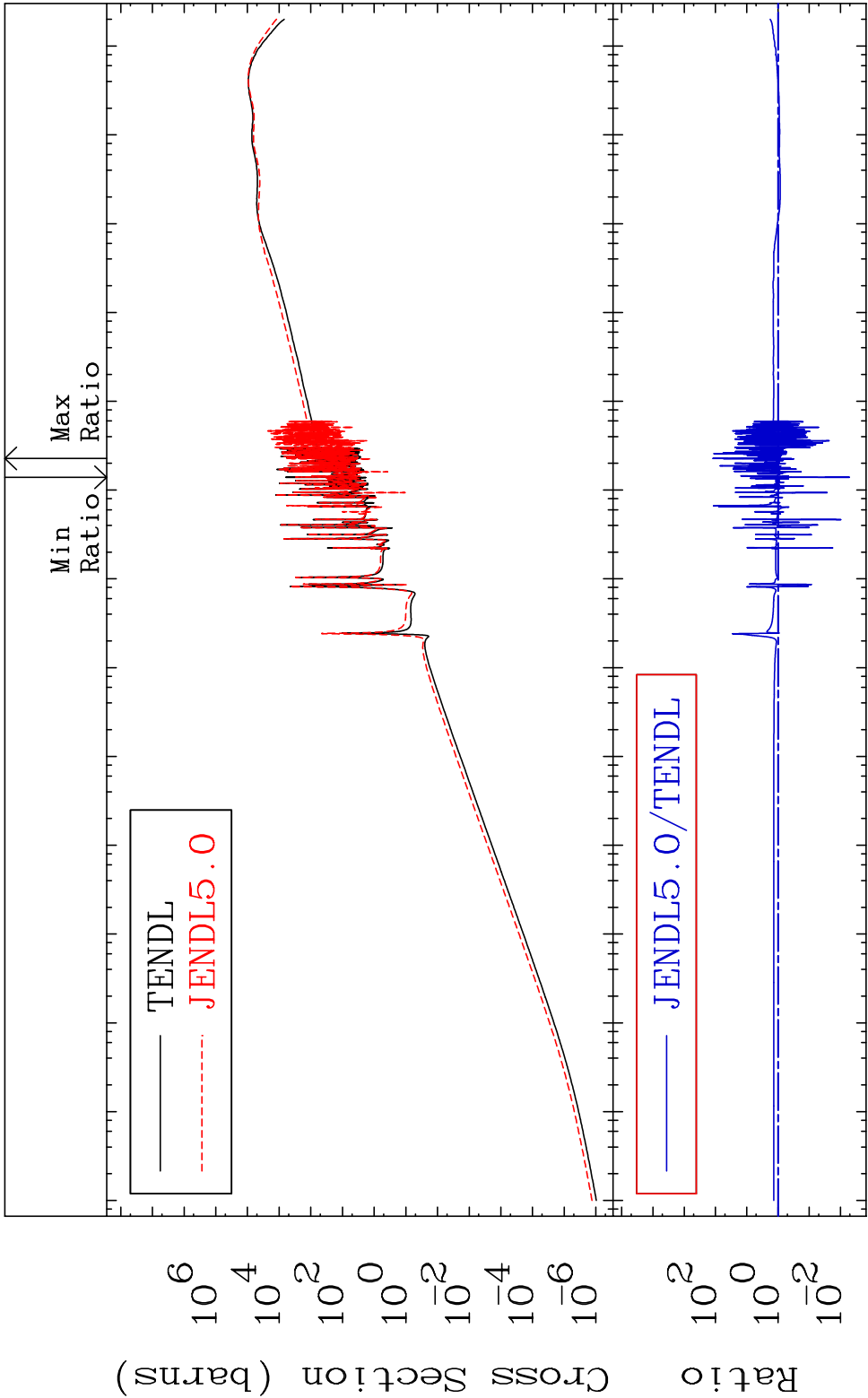




MAT 5640 Kerma total (eV-barns) 56-Ba-135
Cross Section -99.36 To 9999. %

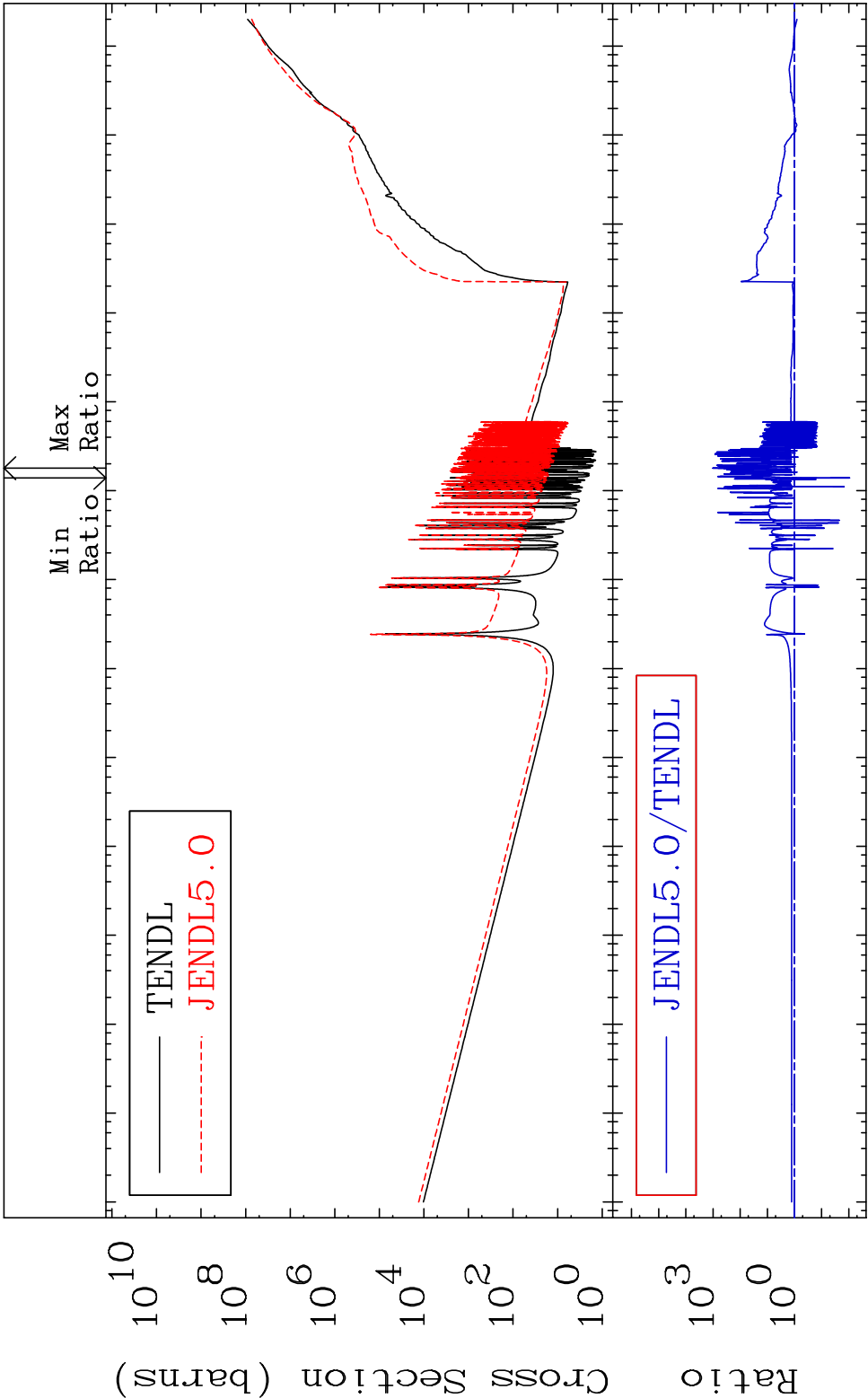


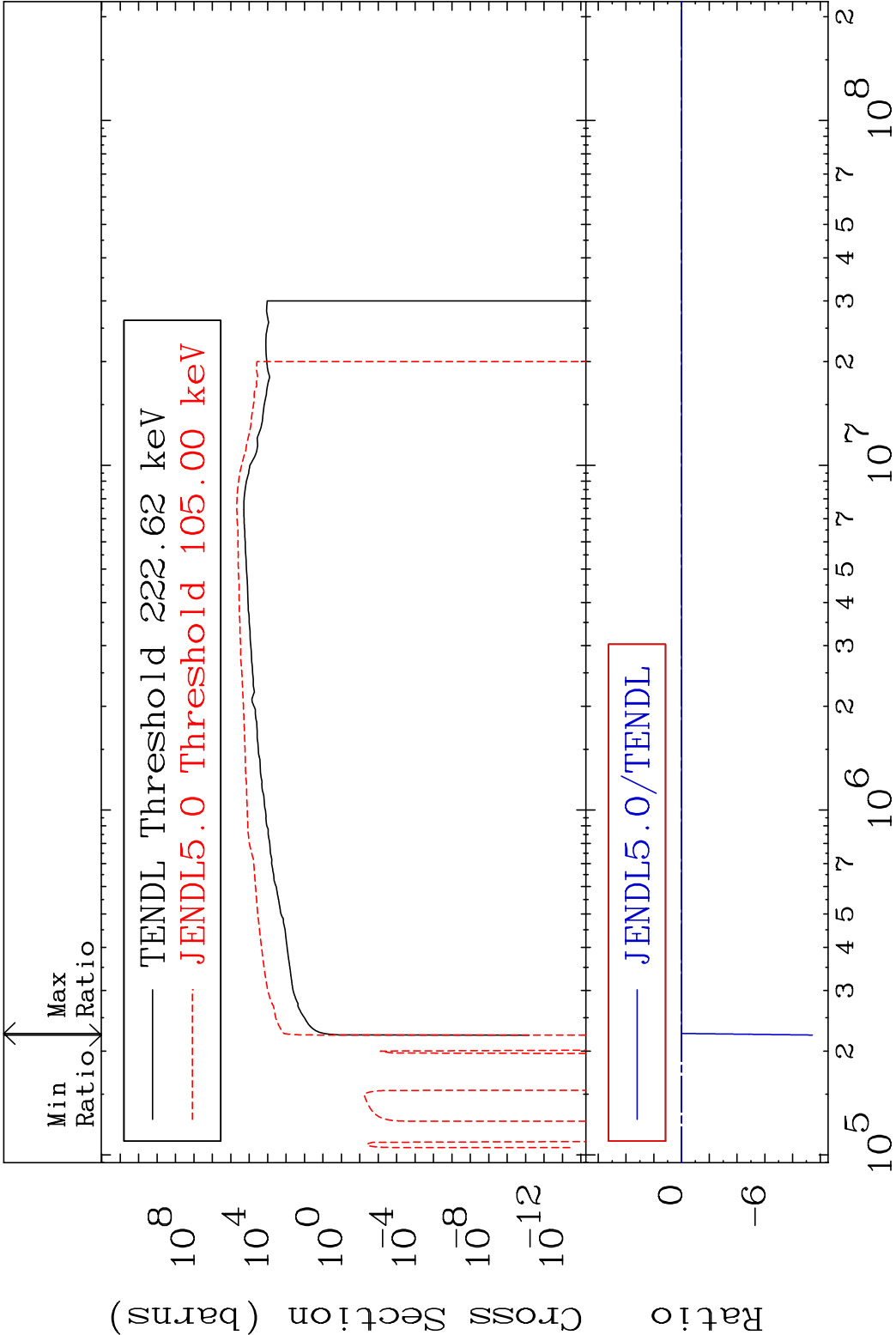
MAT 5640 Kerma elastic 56-Ba-135
Cross Section -99.49 To 9999. %



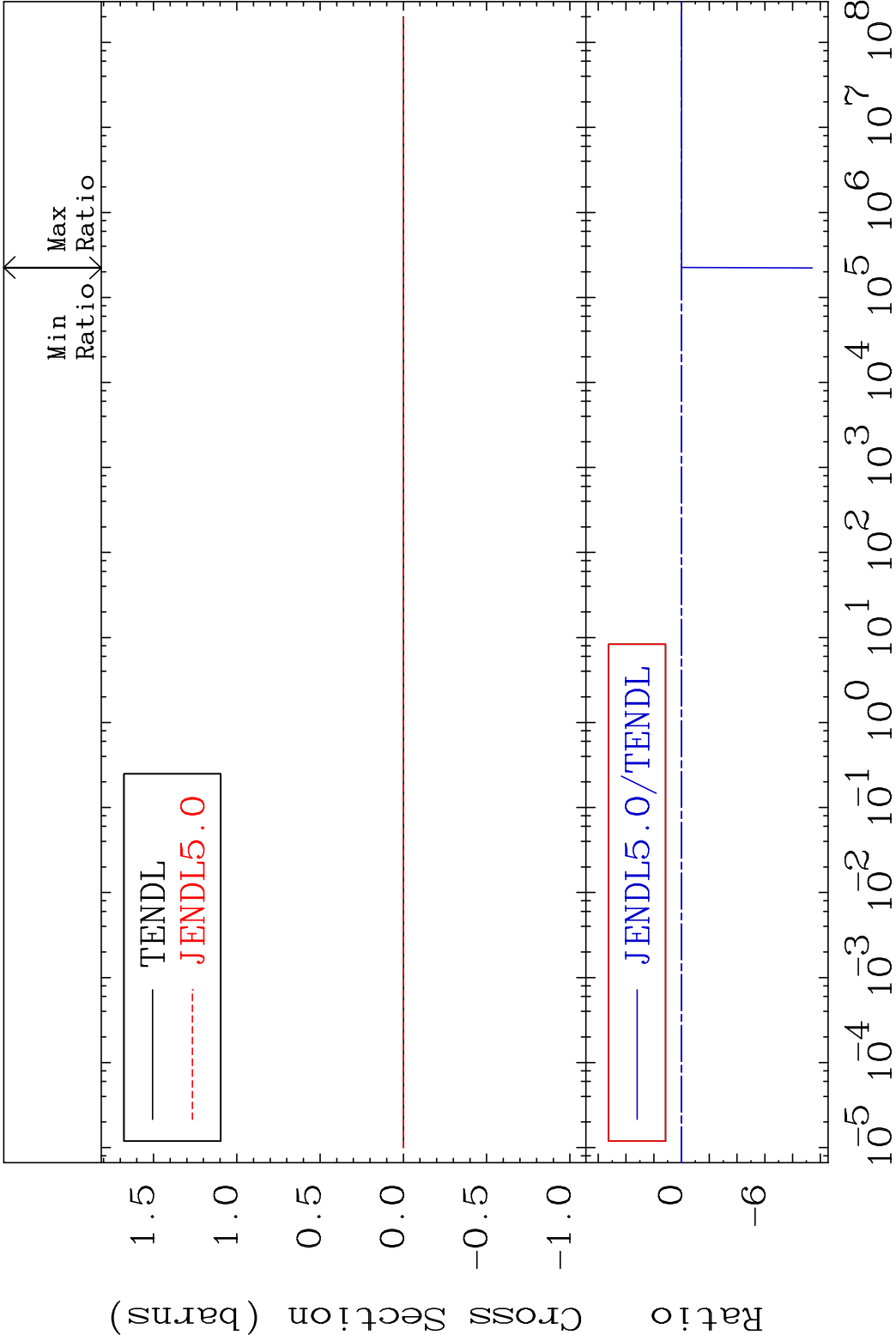
43 Incident Energy (eV) 56-Ba-135

MAT 5640 Kerma non-elastic (all but mt2) 56-Ba-135
Cross Section -99.06 To 9999. %

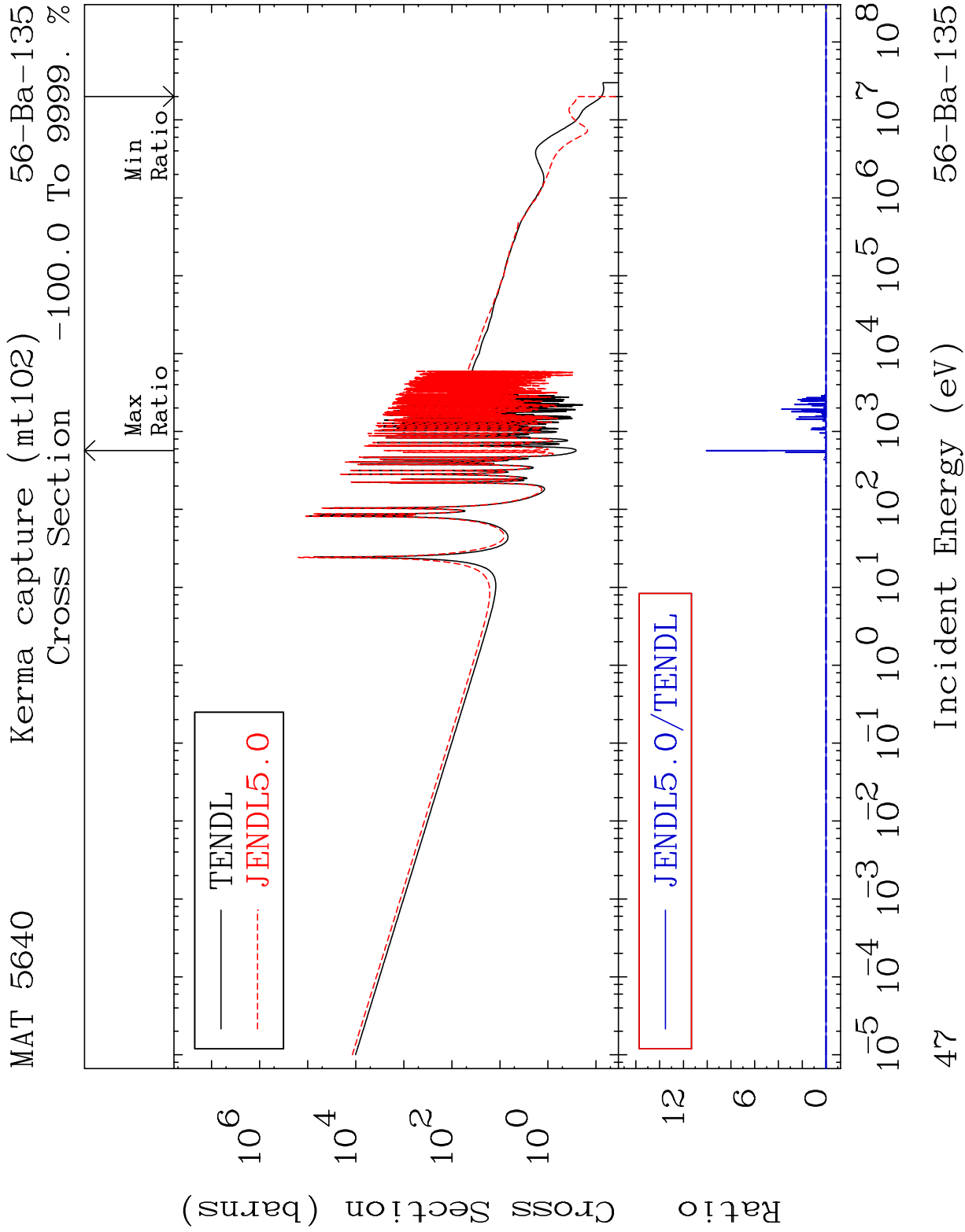




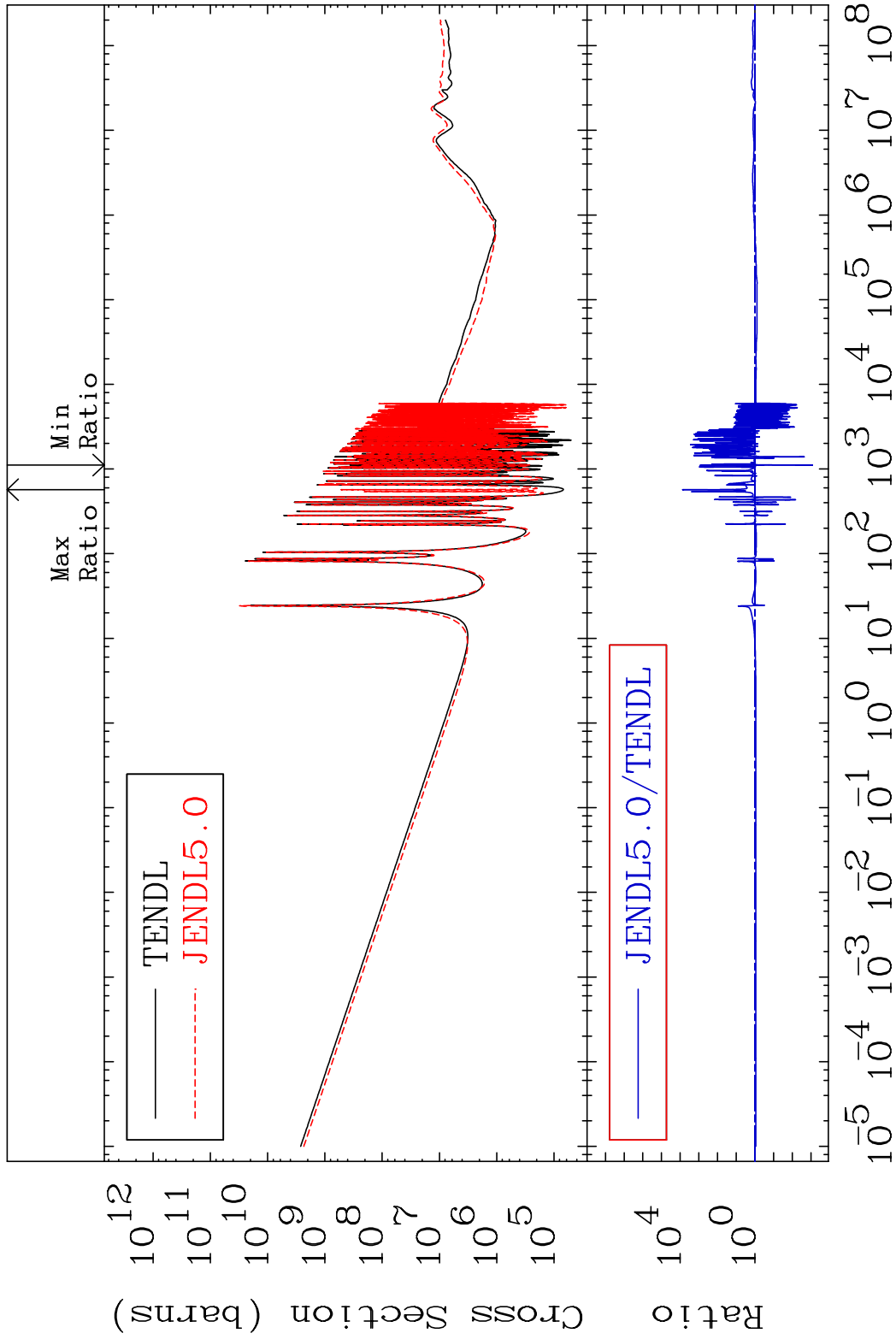
MAT 5640 Kerma fission (mt18 or mt19-20-21-38)56-Ba-135
Cross Section -9999. To 9999. %



46 Incident Energy (eV) 56-Ba-135

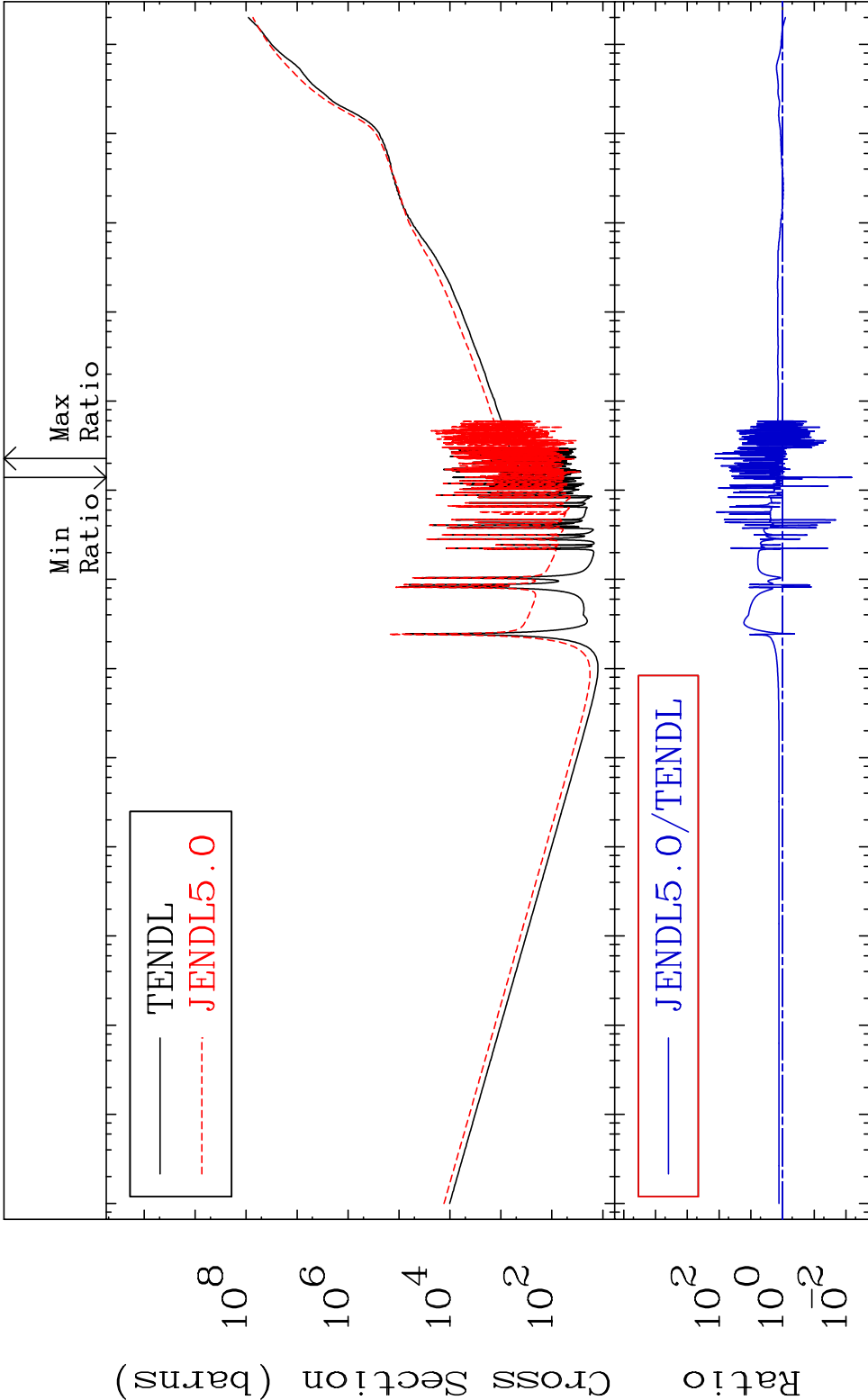


MAT 5640 Total photon (eV-barns) 56-Ba-135
Cross Section -99.92 To 9999. %

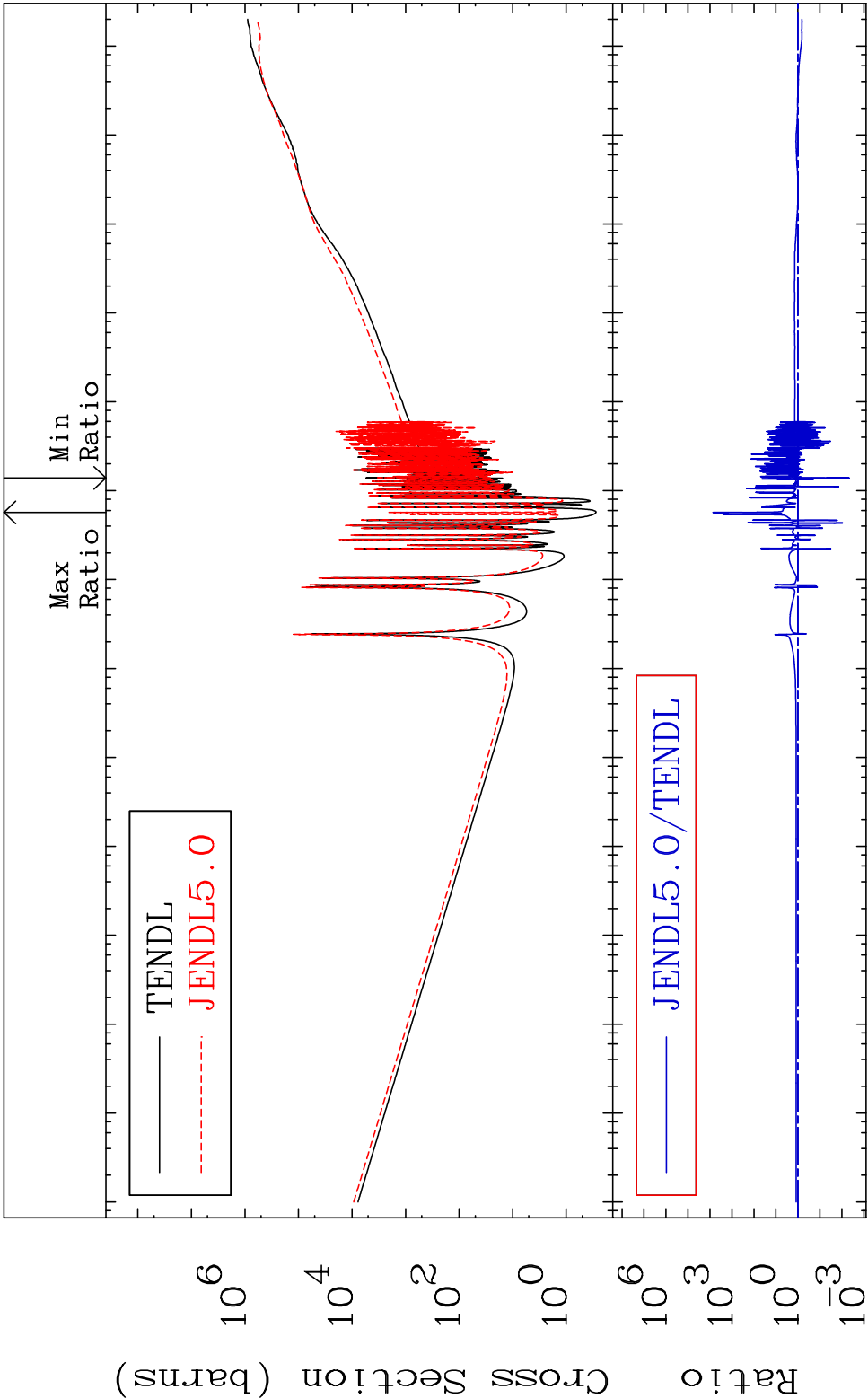


48 Incident Energy (eV) 56-Ba-135

MAT 5640 Total kinematic kerma (high limit) 56-Ba-135
Cross Section -99.36 To 9999. %

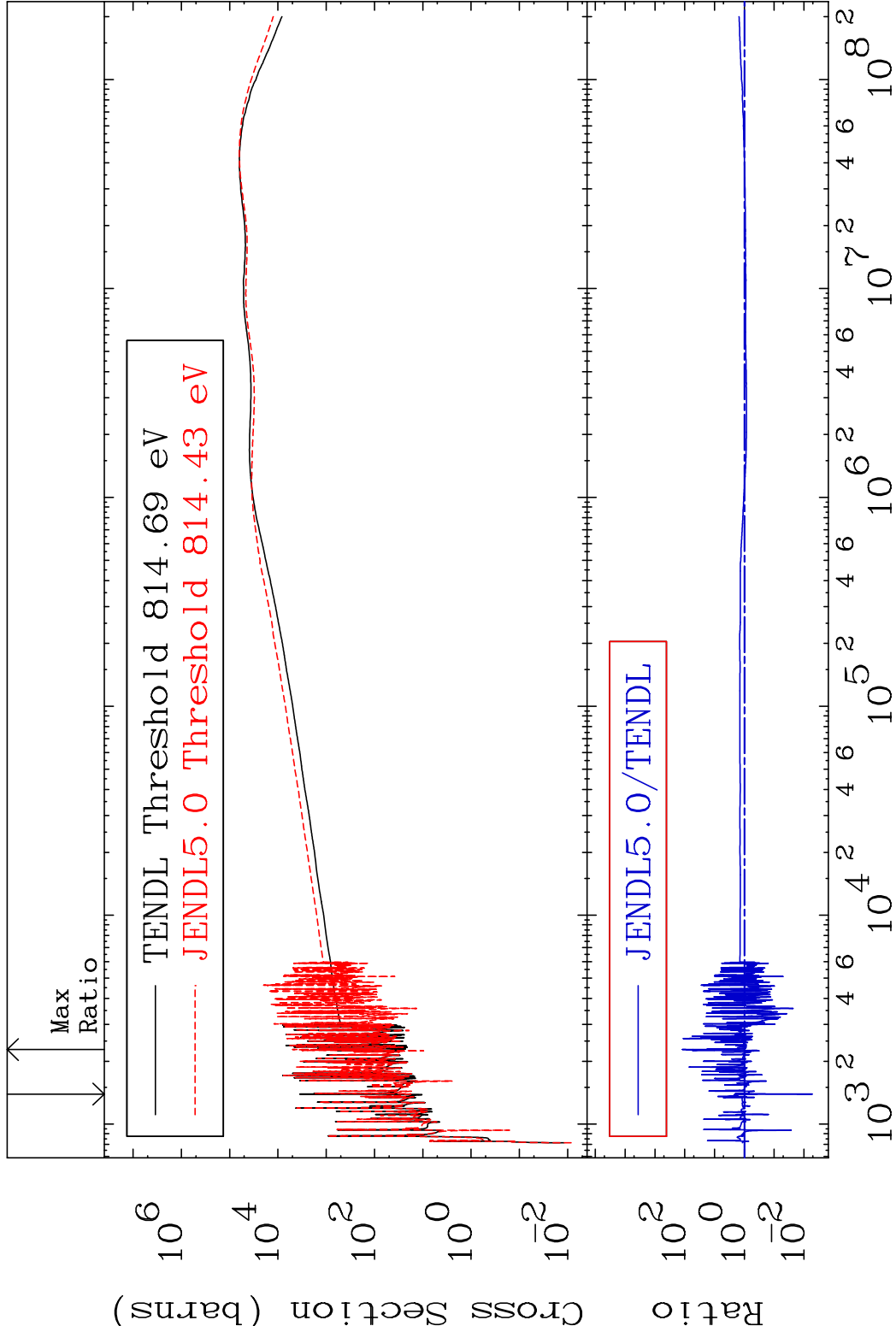


MAT 5640	Dpa total (eV-barns)	56-Ba-135
	Cross Section	-99.55 To 9999. %

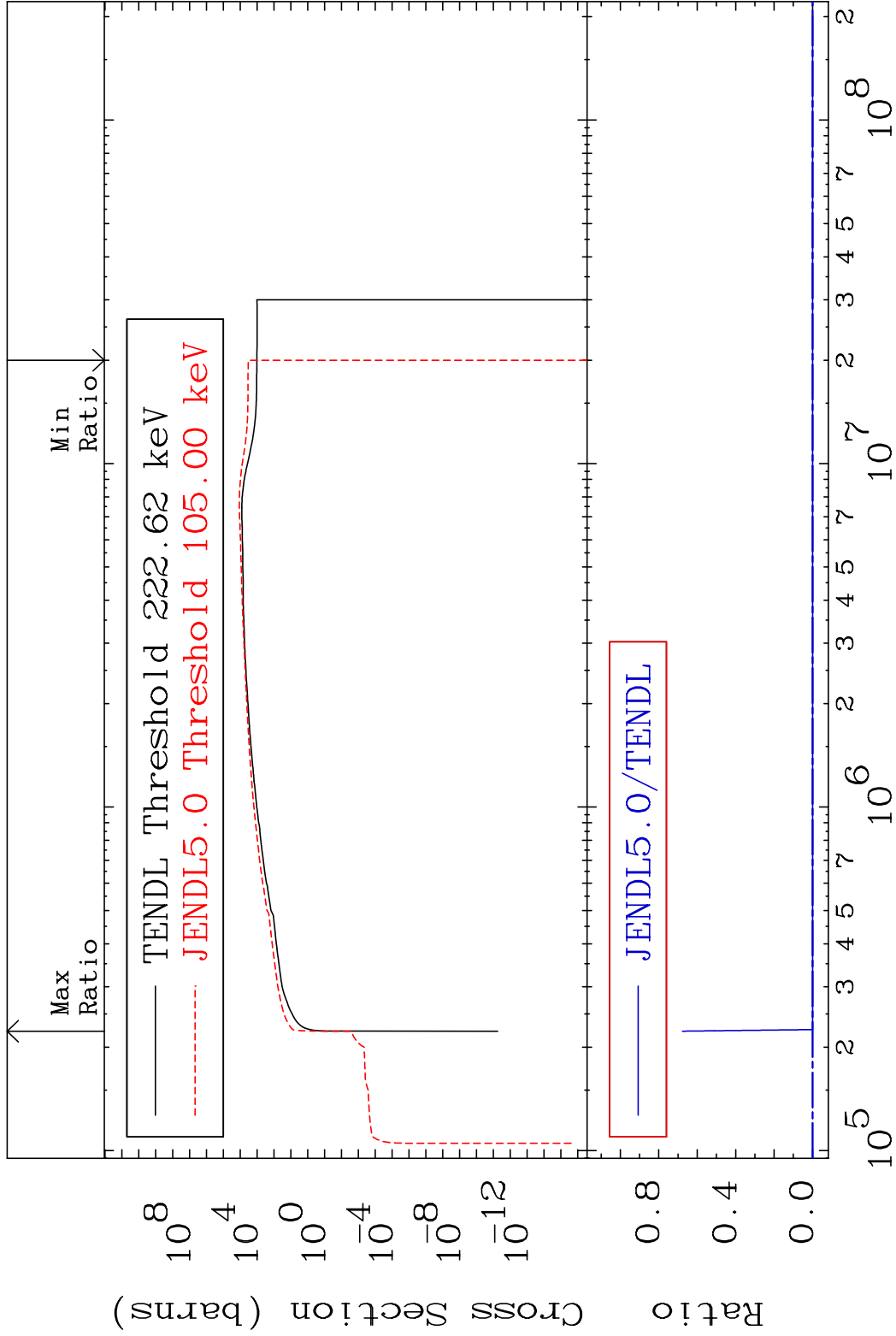


50	Incident Energy (eV)	56-Ba-135
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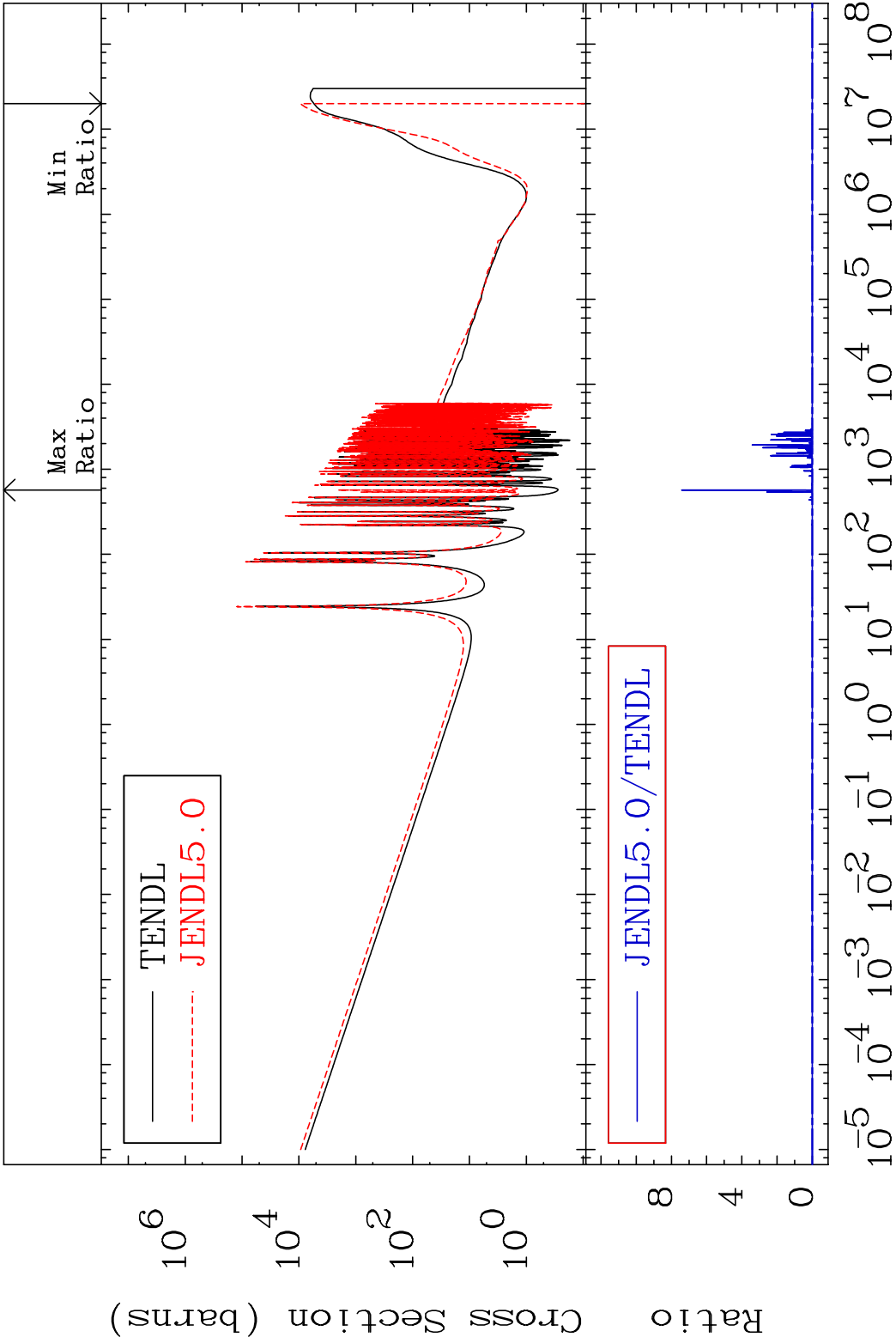
MAT 5640 Dpa elastic (mt2) 56-Ba-135
Cross Section -99.49 To 9999. %



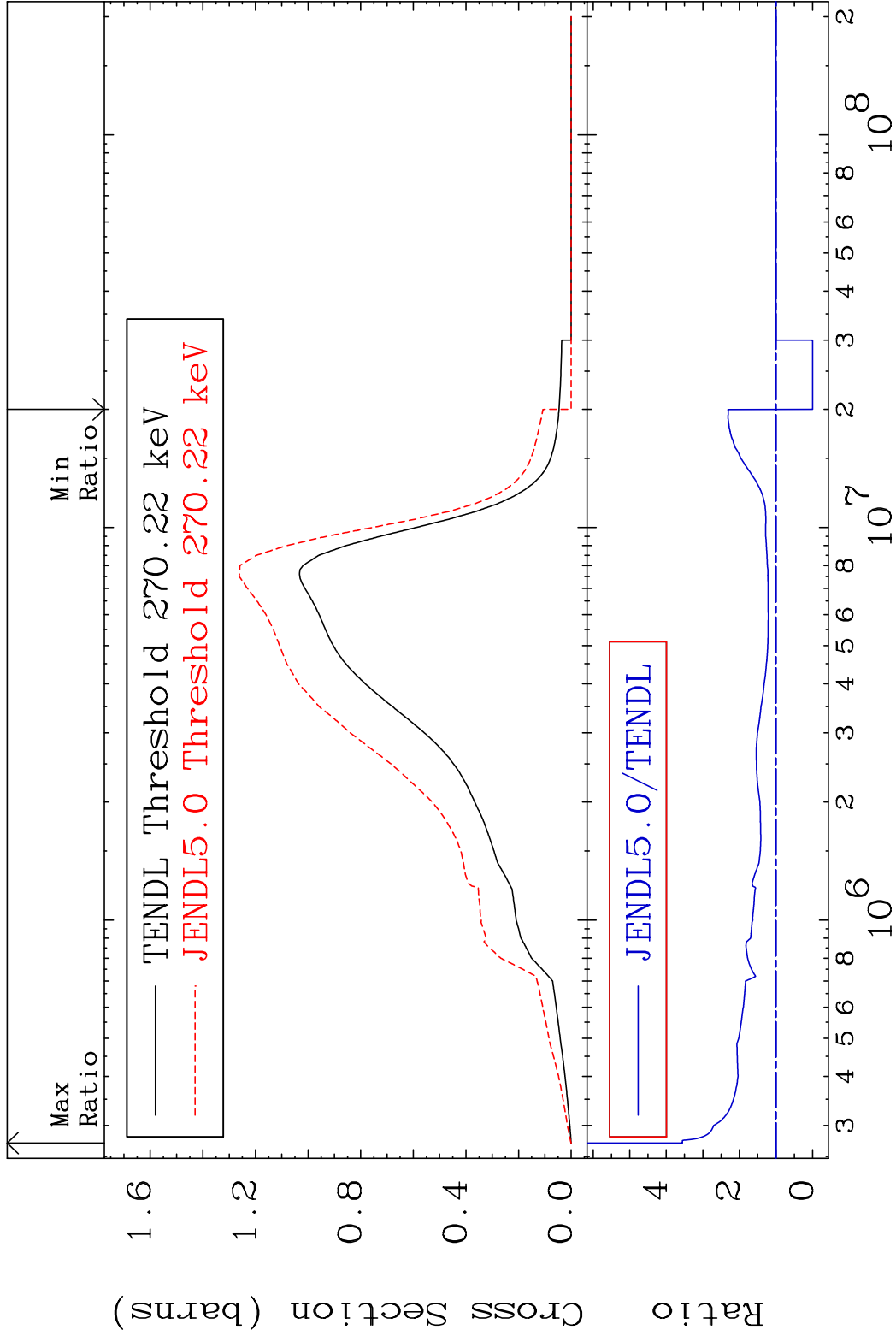
MAT 5640 Dpa inelastic (mt51-91) 56-Ba-135
Cross Section -100.0 To 9999. %

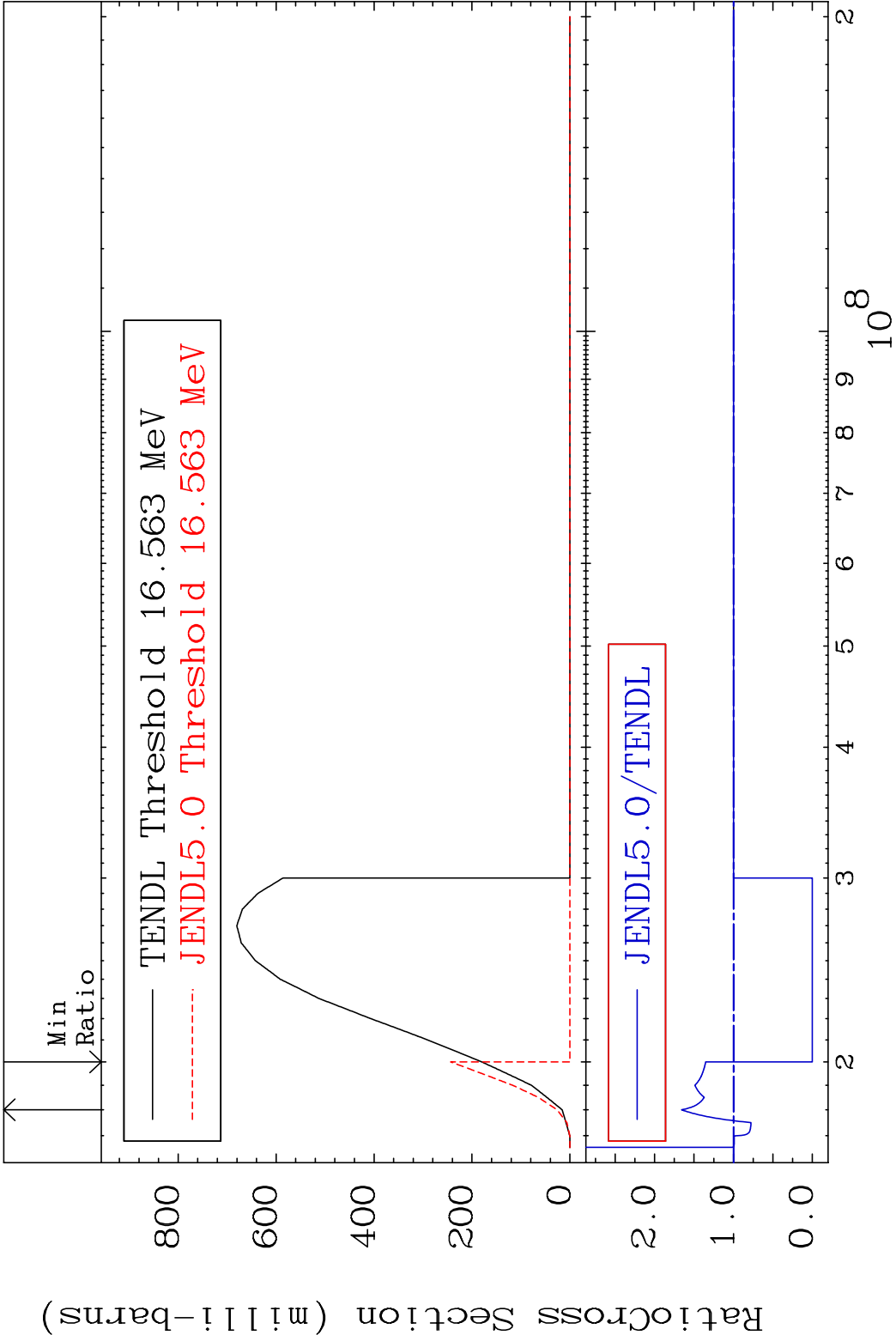


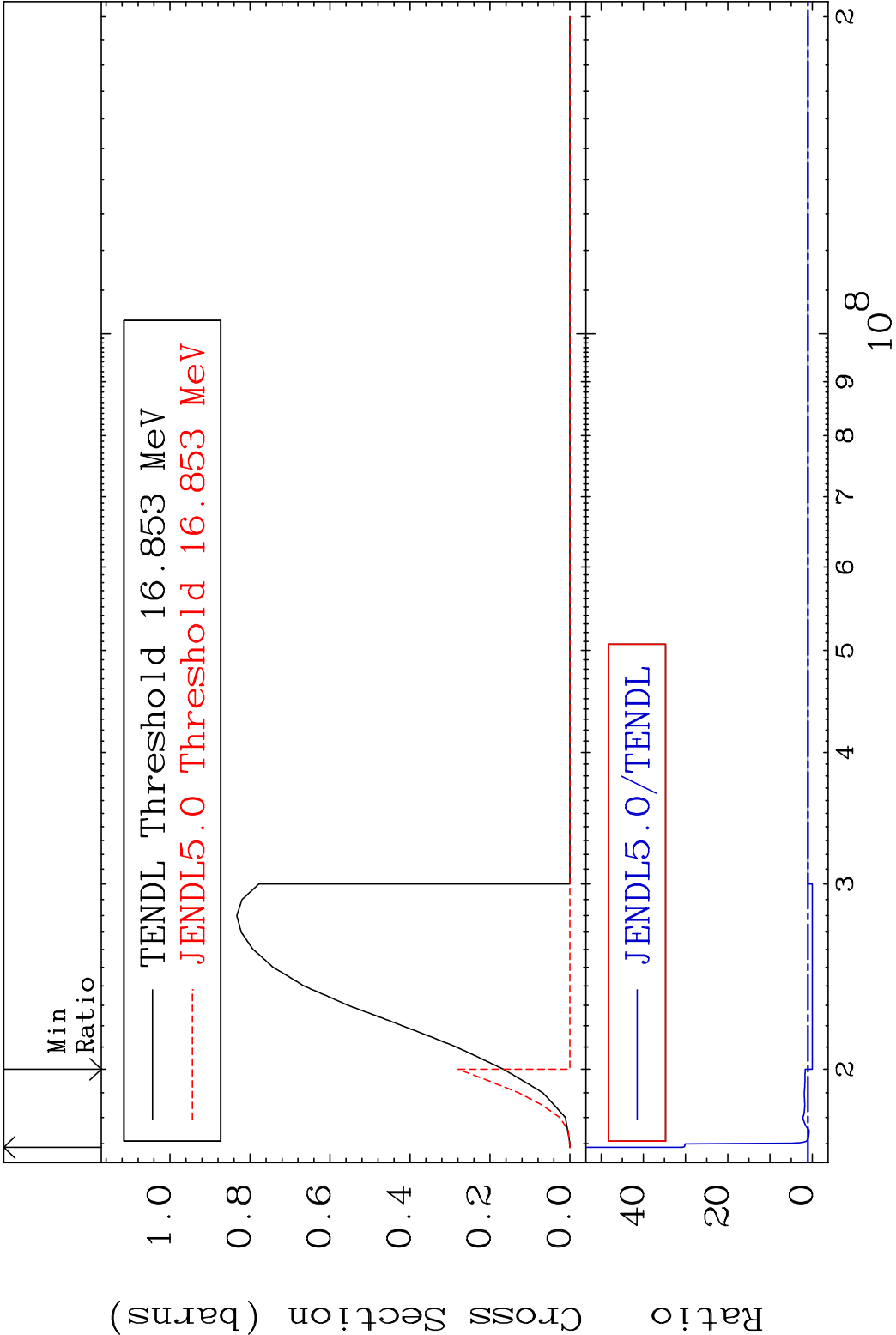
MAT 5640 Dpa disappearance (mt102 -120) 56-Ba-135
Cross Section -100.0 To 9999. %

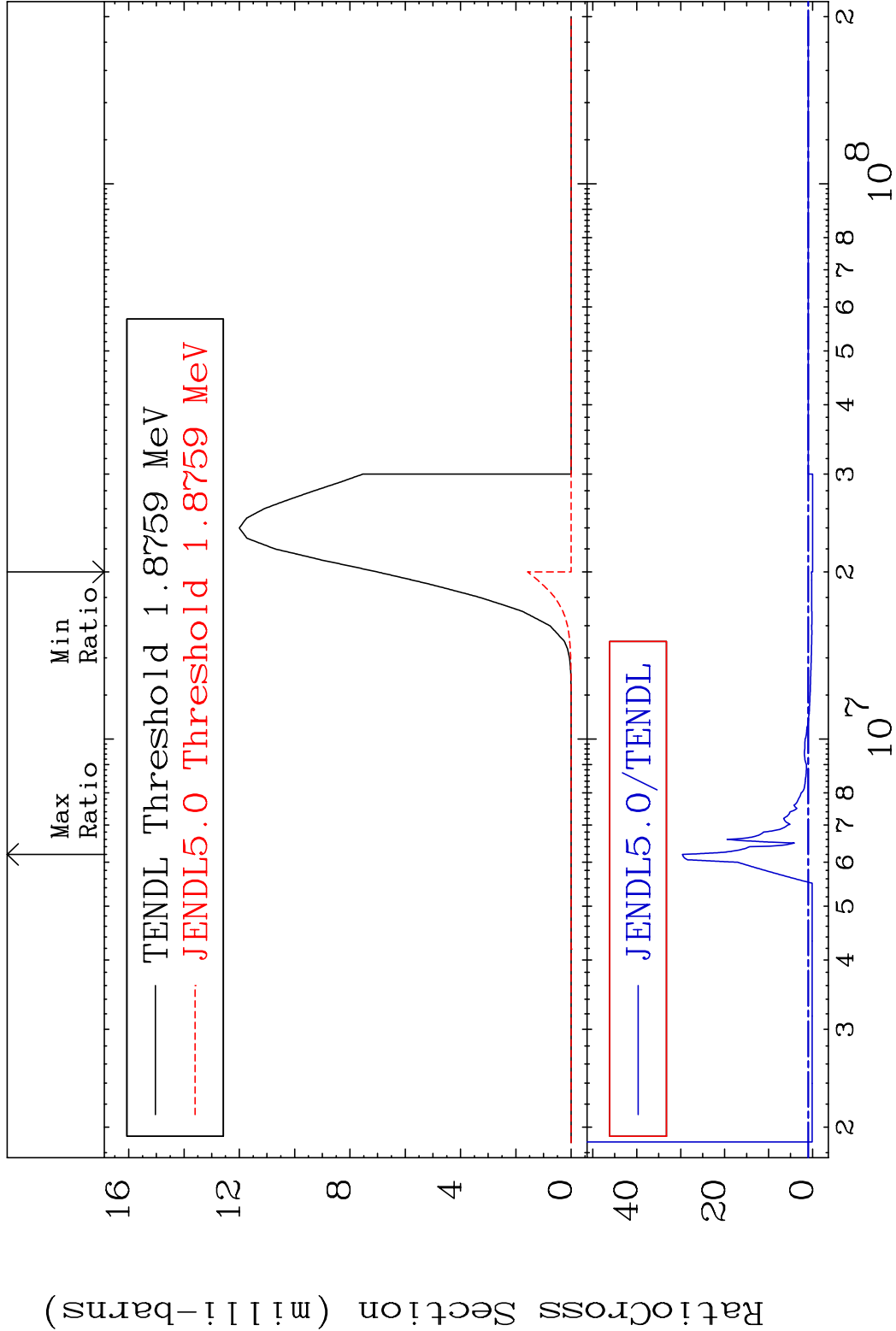


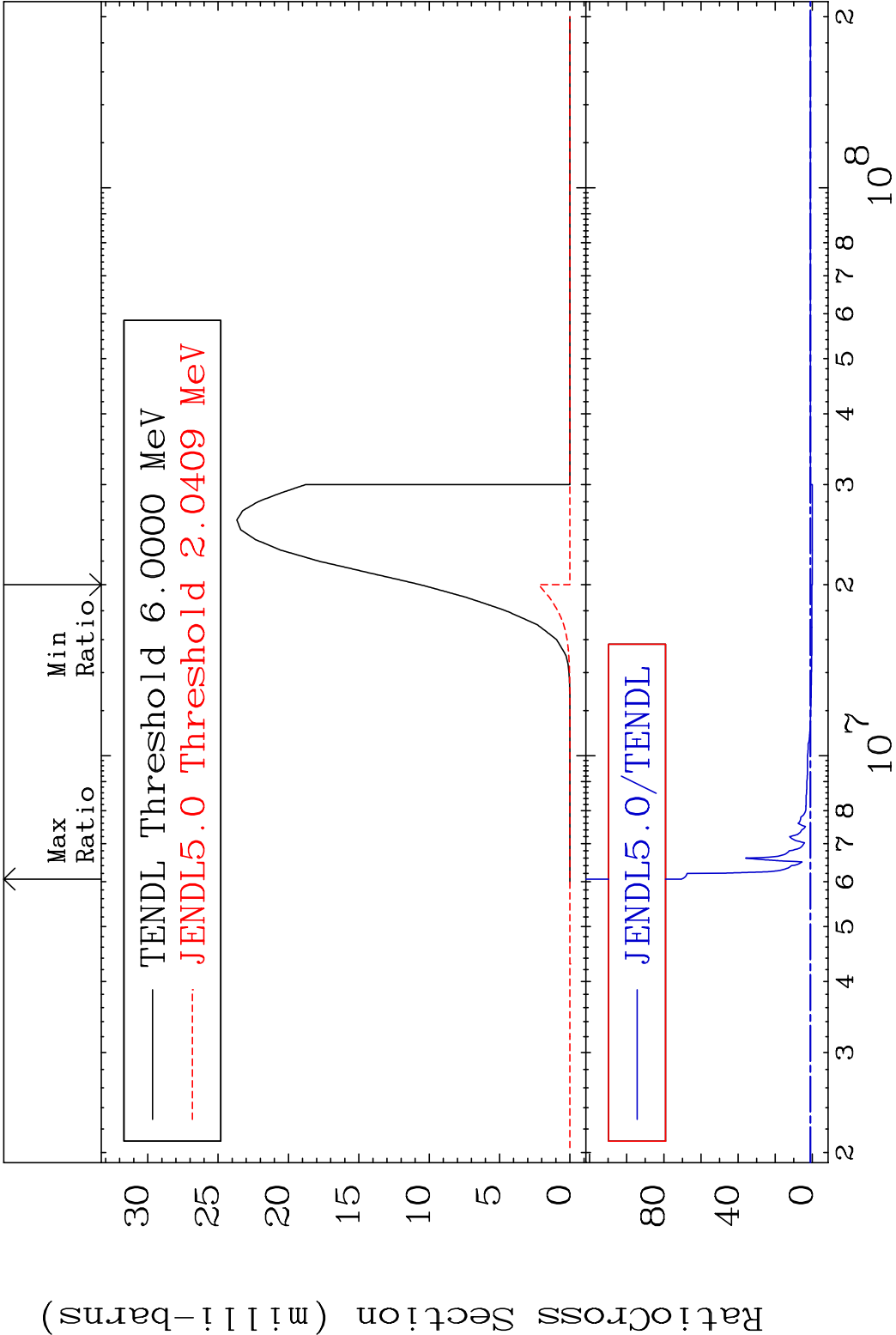
53 Incident Energy (eV) 56-Ba-135

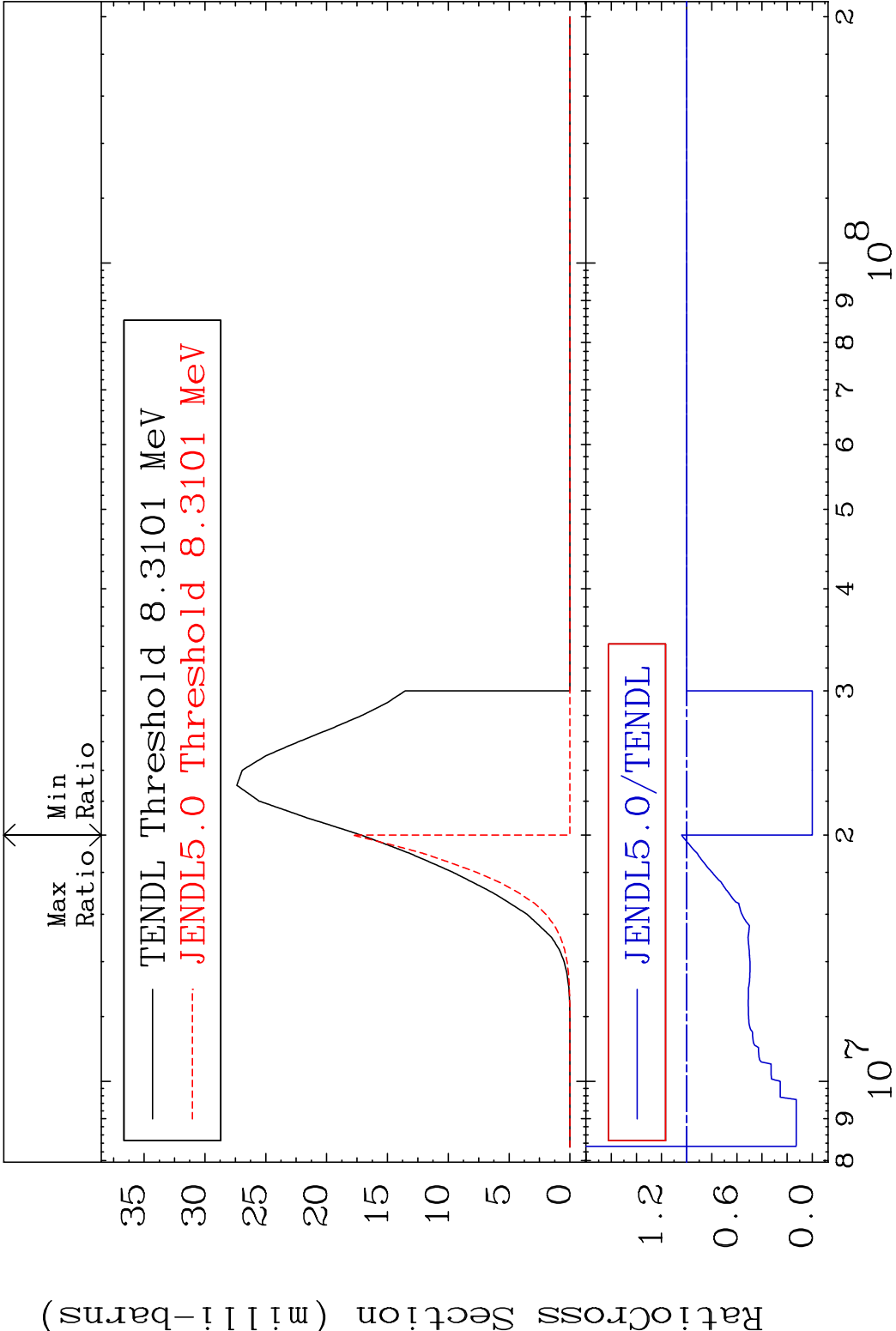


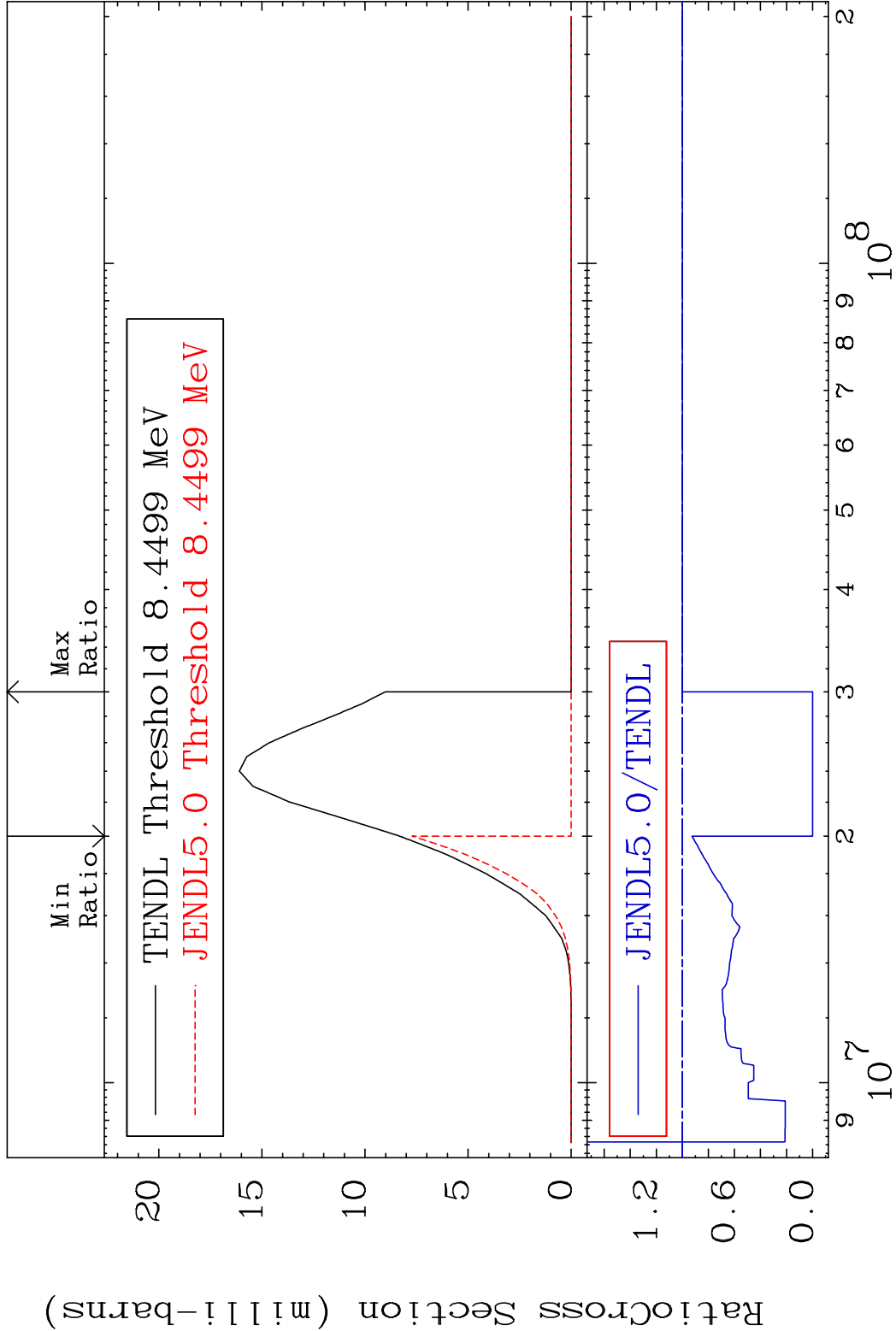


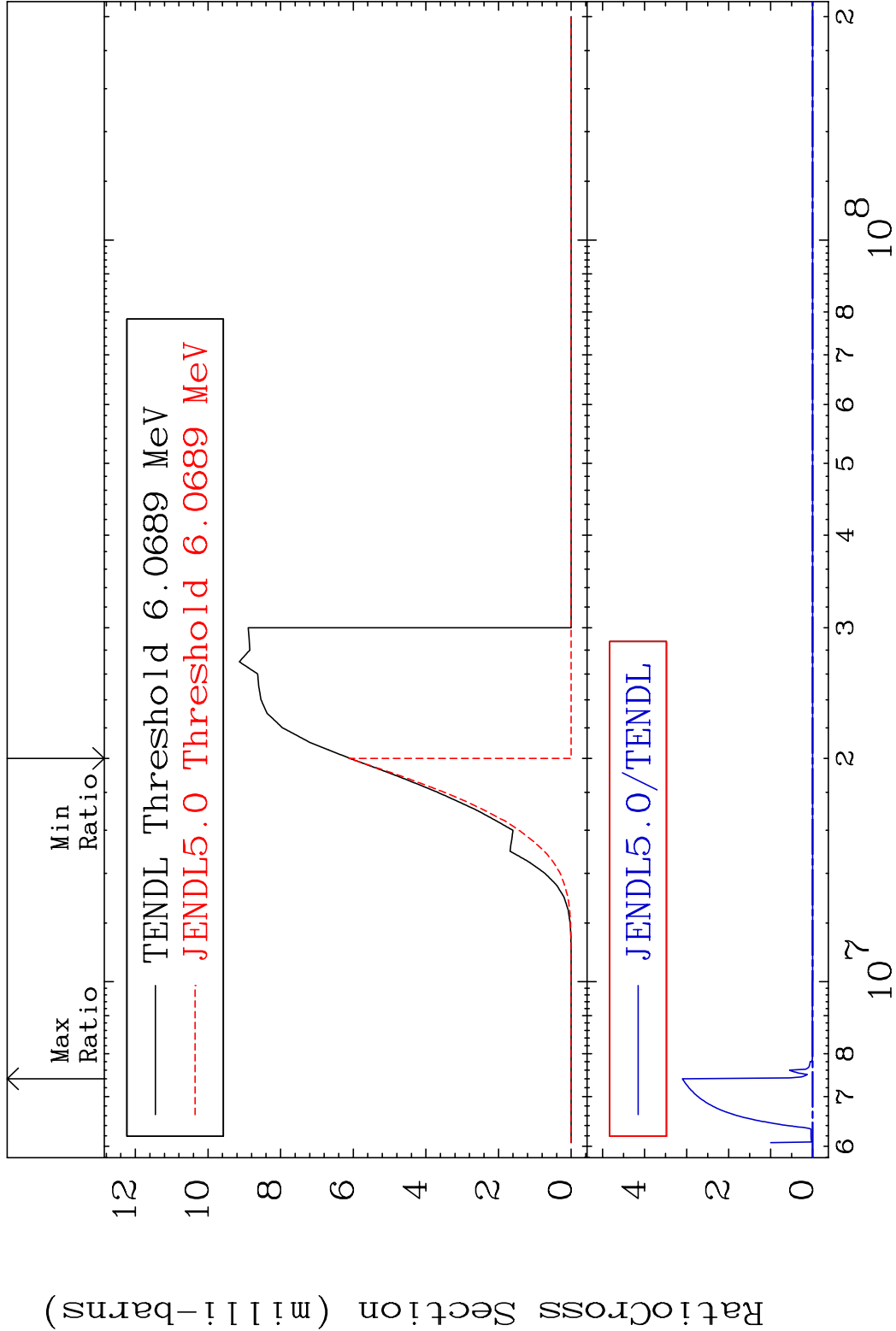


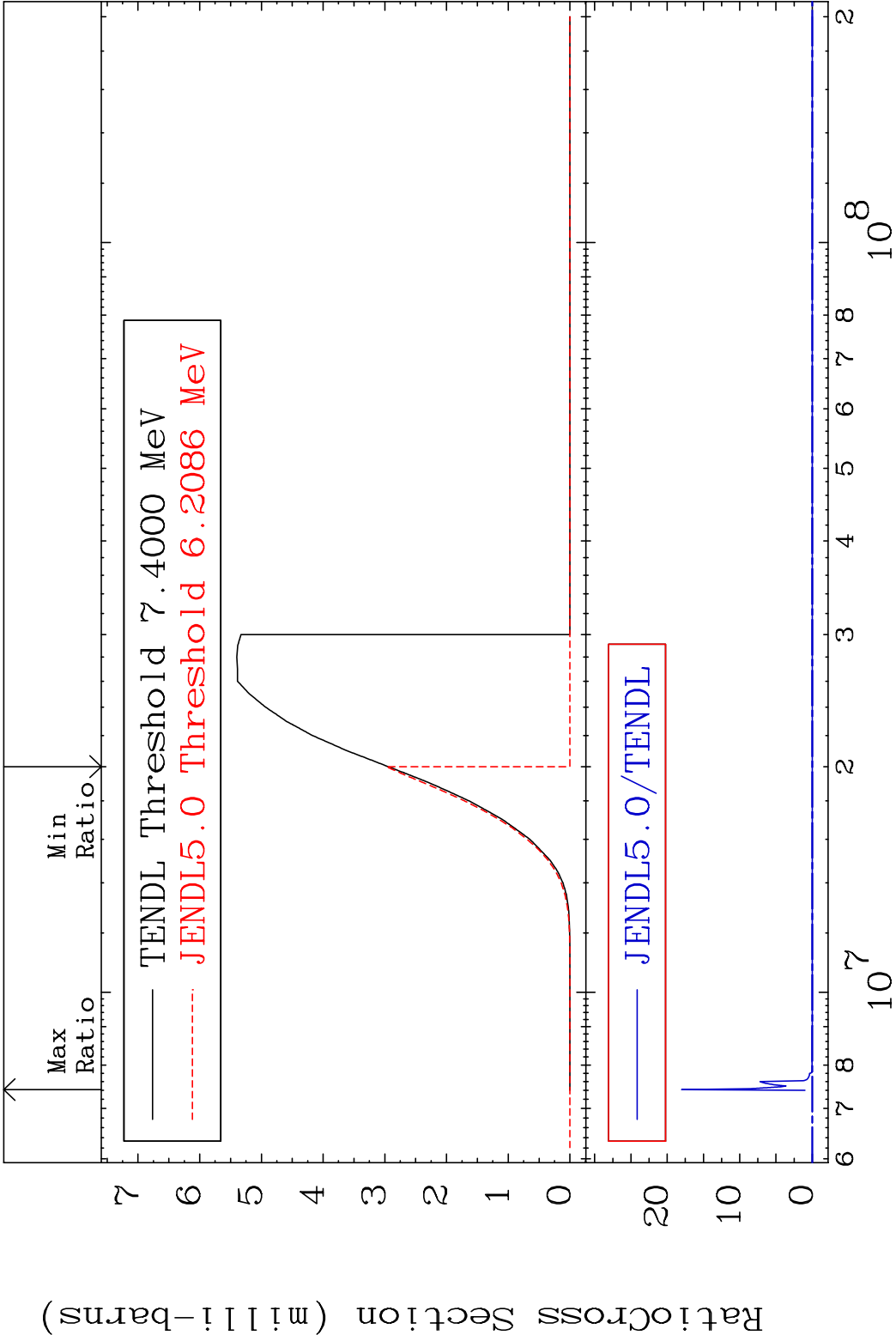


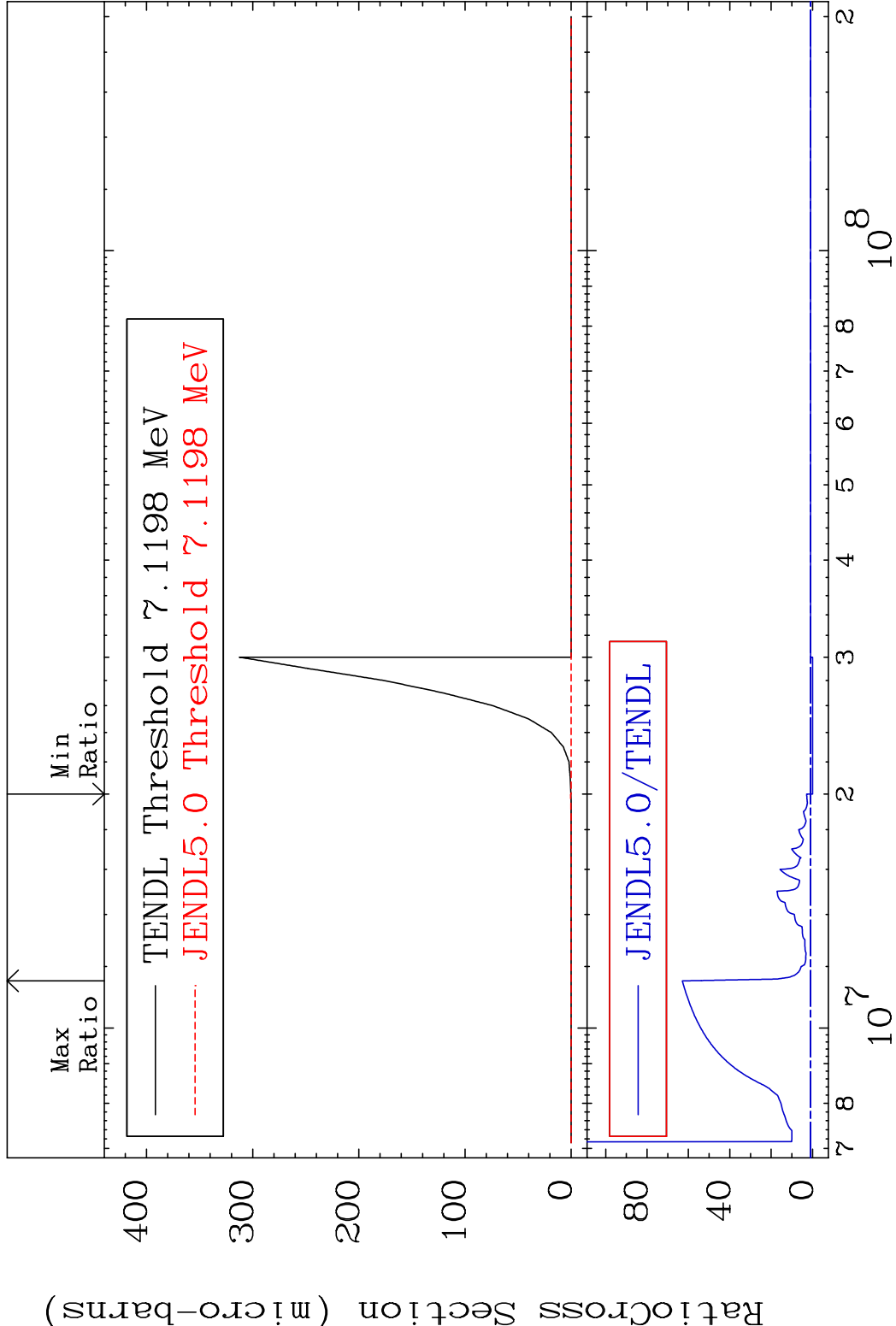




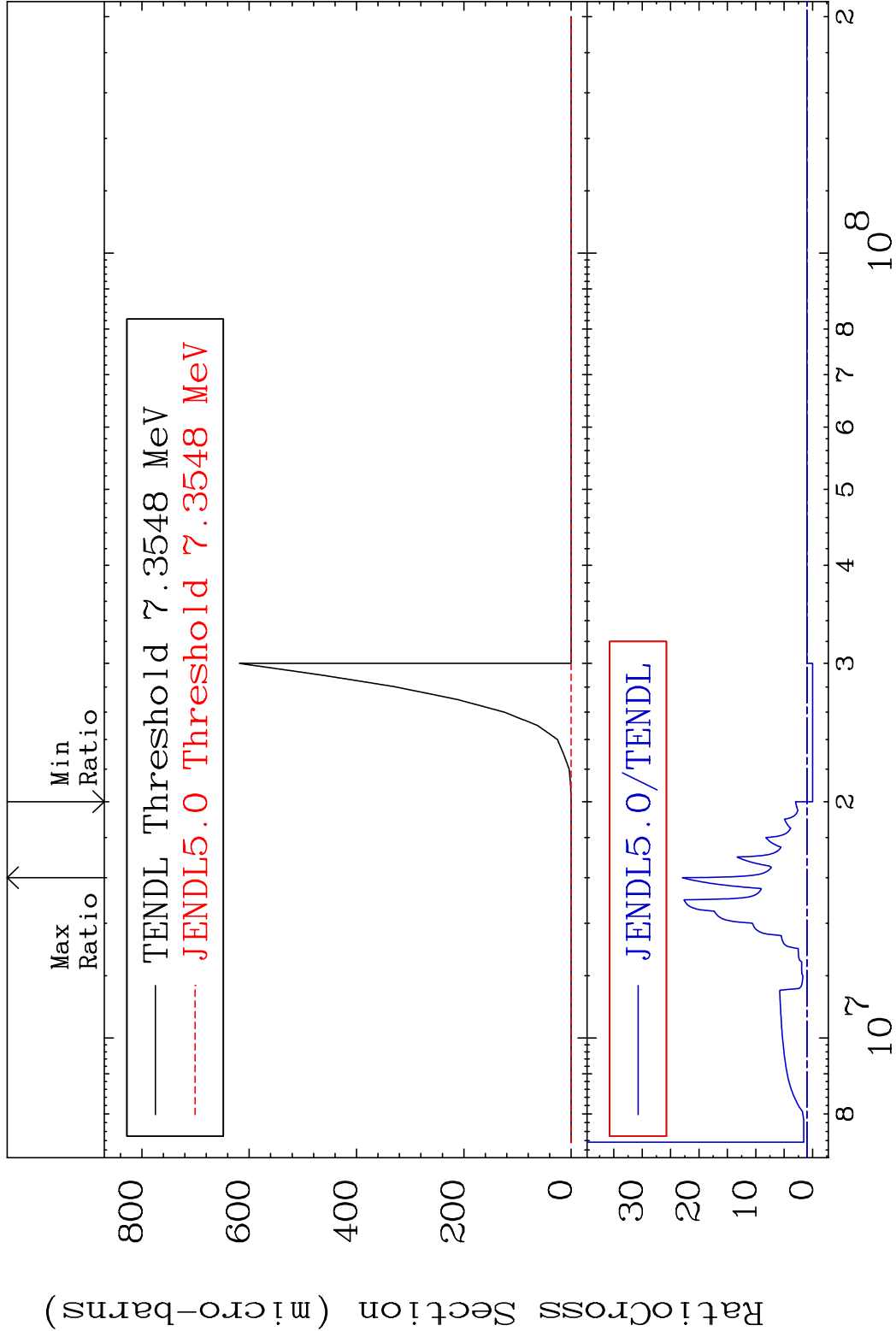








Radionuclide Production Cross Section (micro-barns)



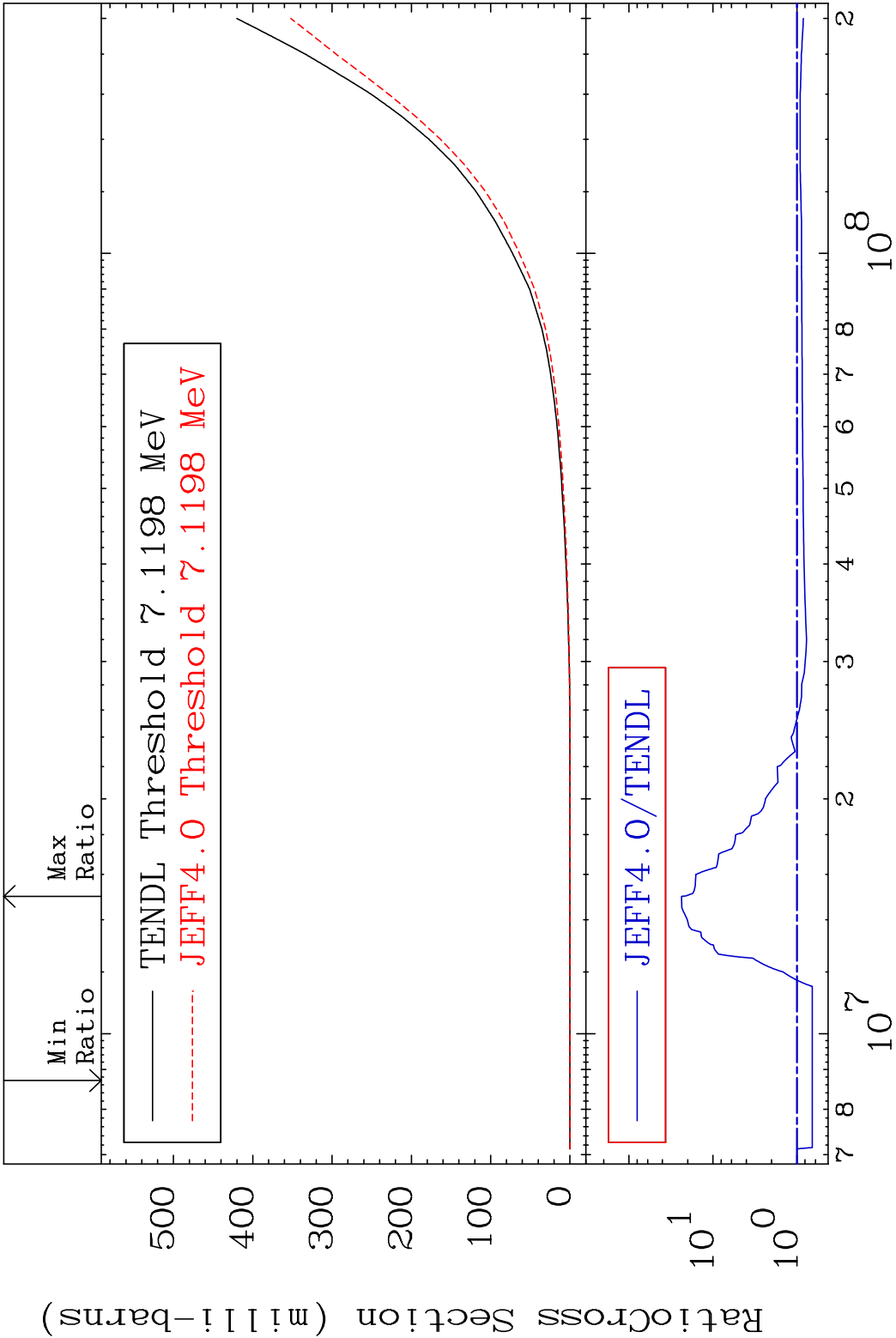
MAT 5640

He-3 Production

56-Ba-135

Cross Section

-34.29 To 2266. %

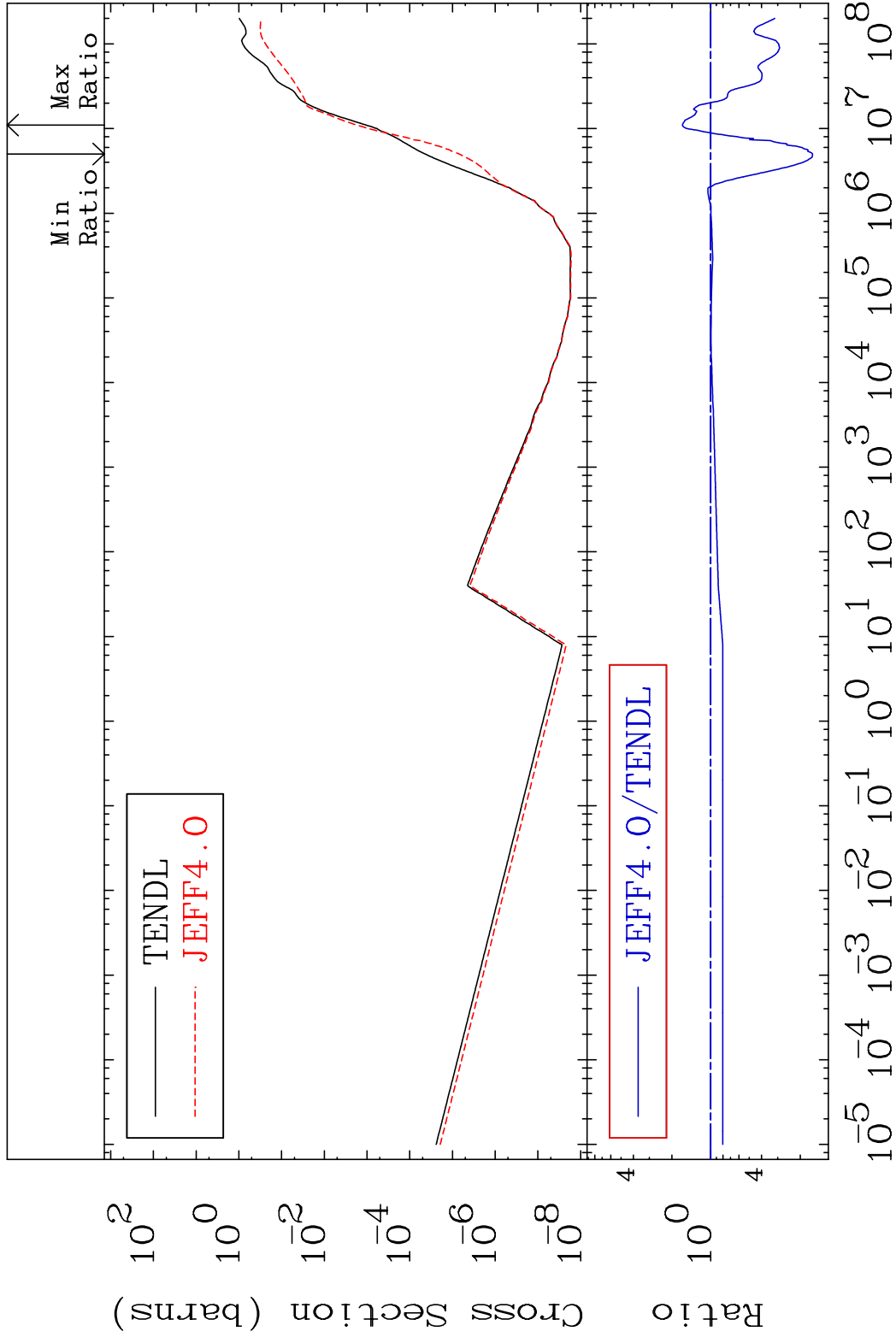


65

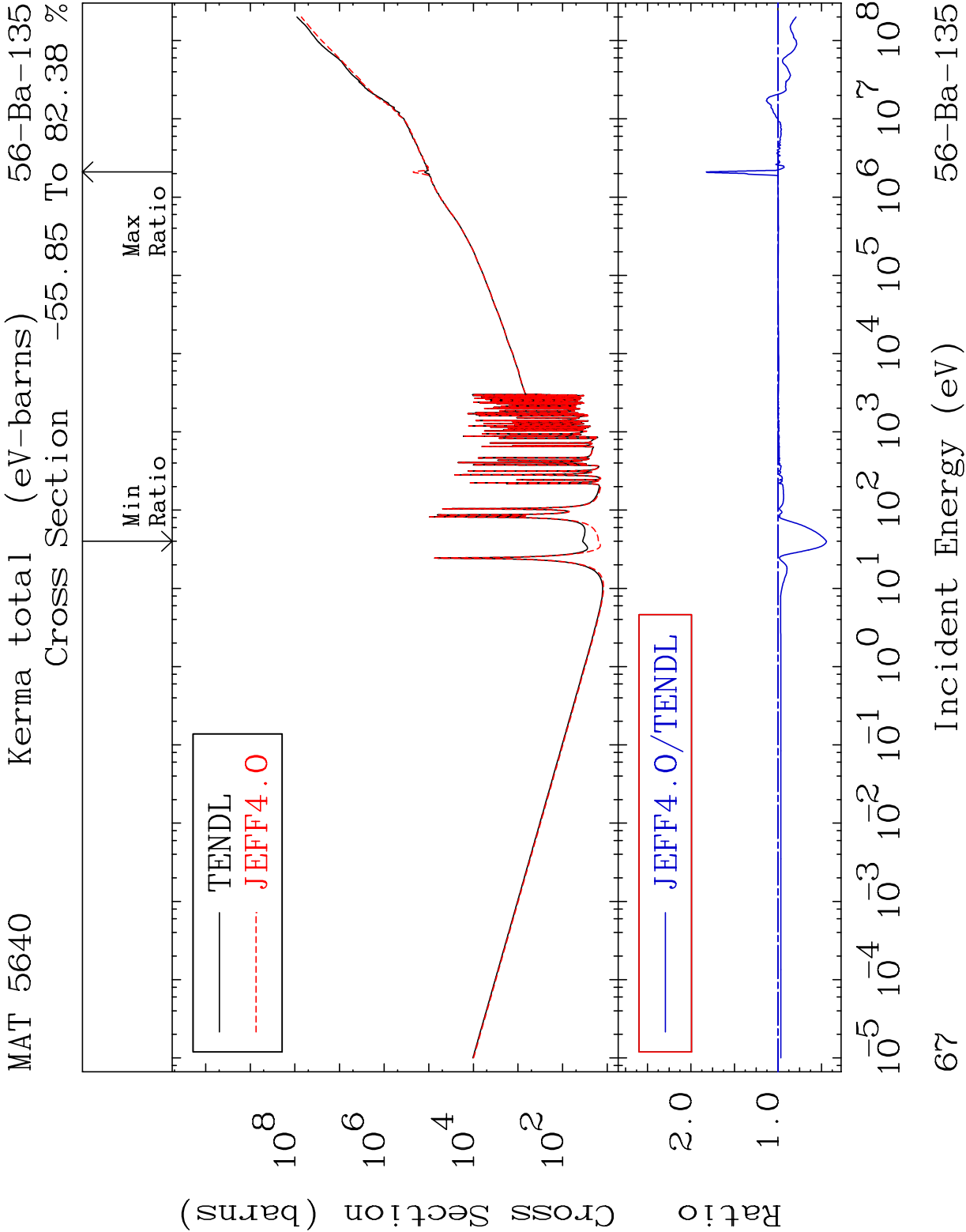
Incident Energy (eV)

56-Ba-135

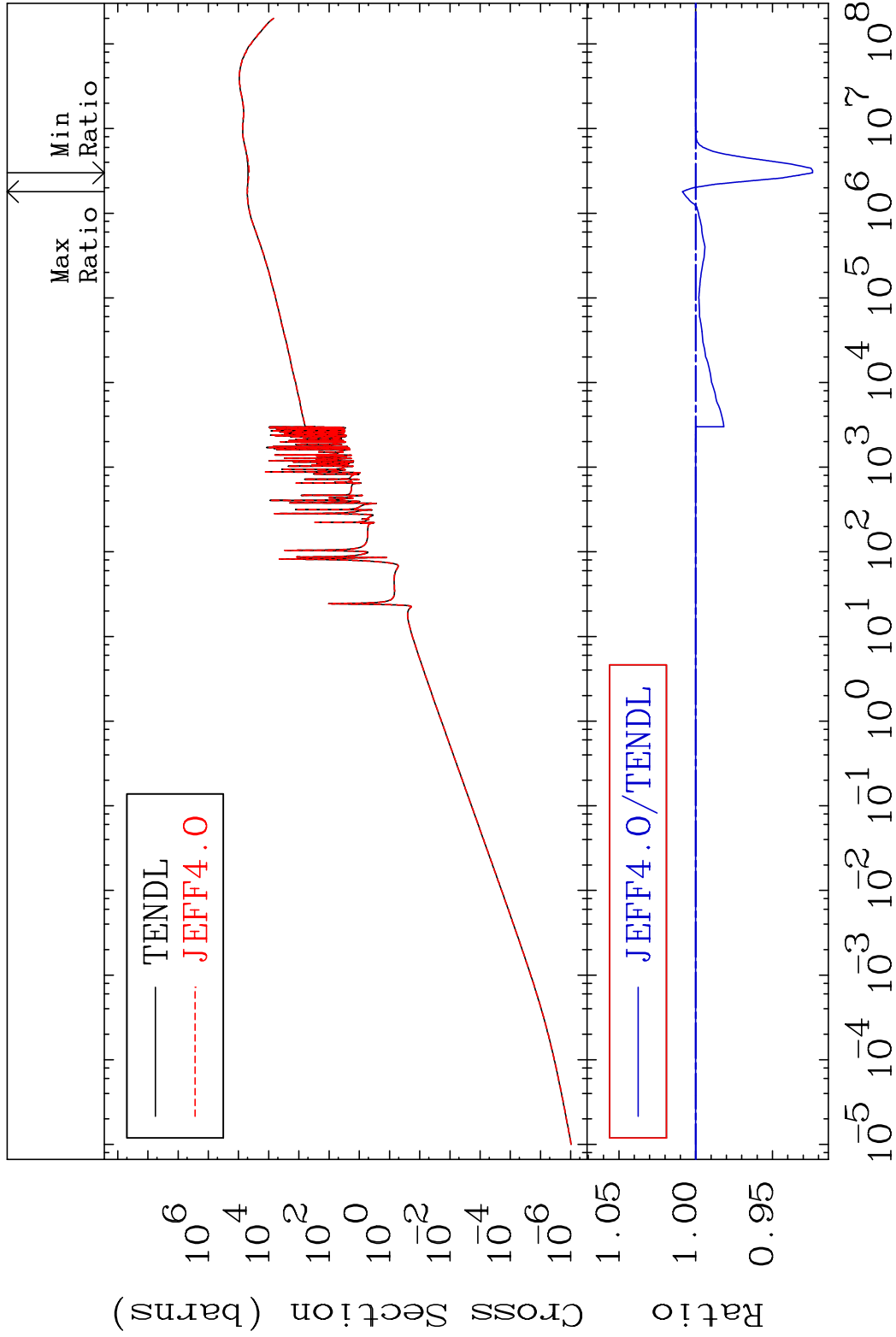
MAT 5640 He-4 Production 56-Ba-135
Cross Section -83.97 To 65.99 %



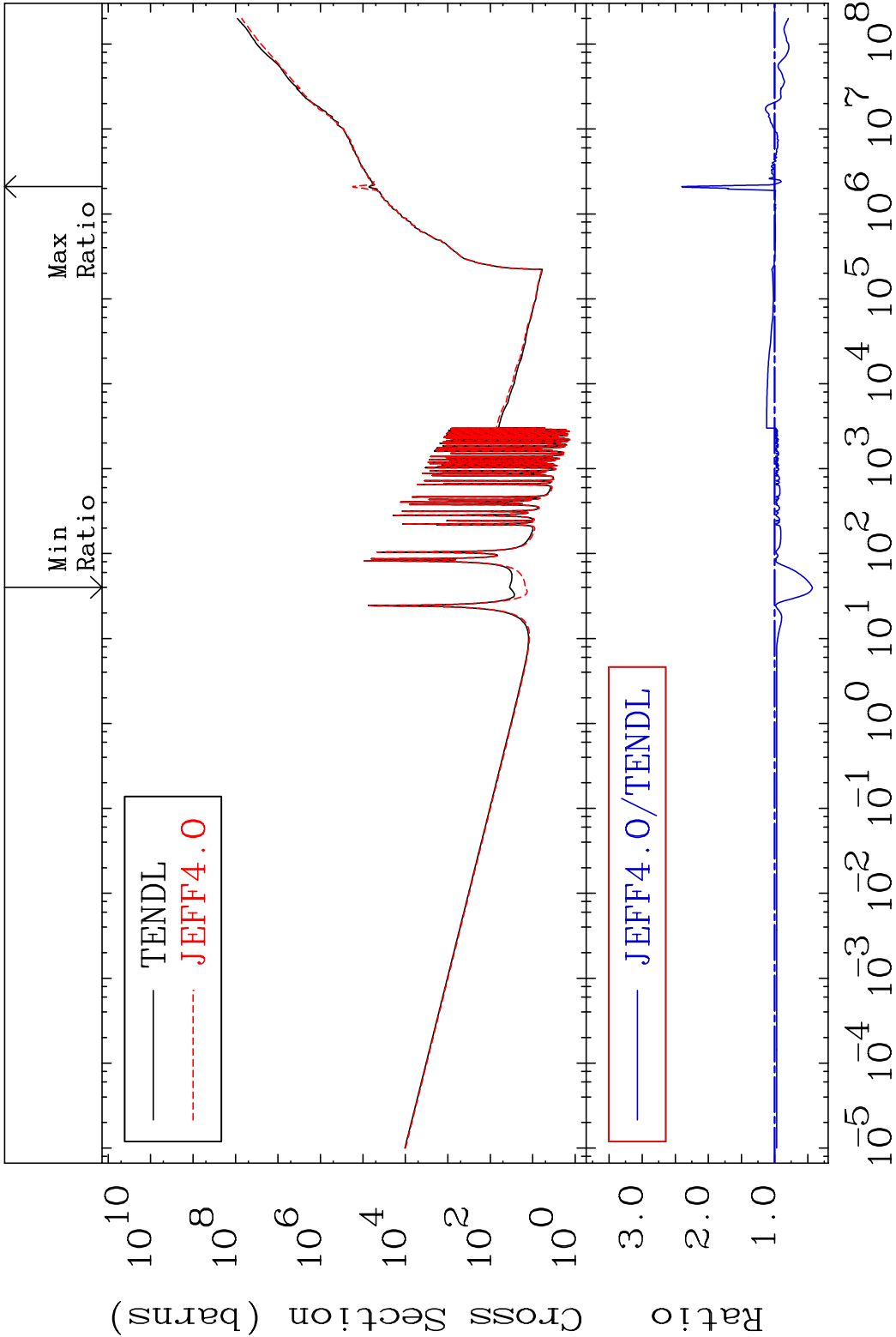
66 Incident Energy (eV) 56-Ba-135

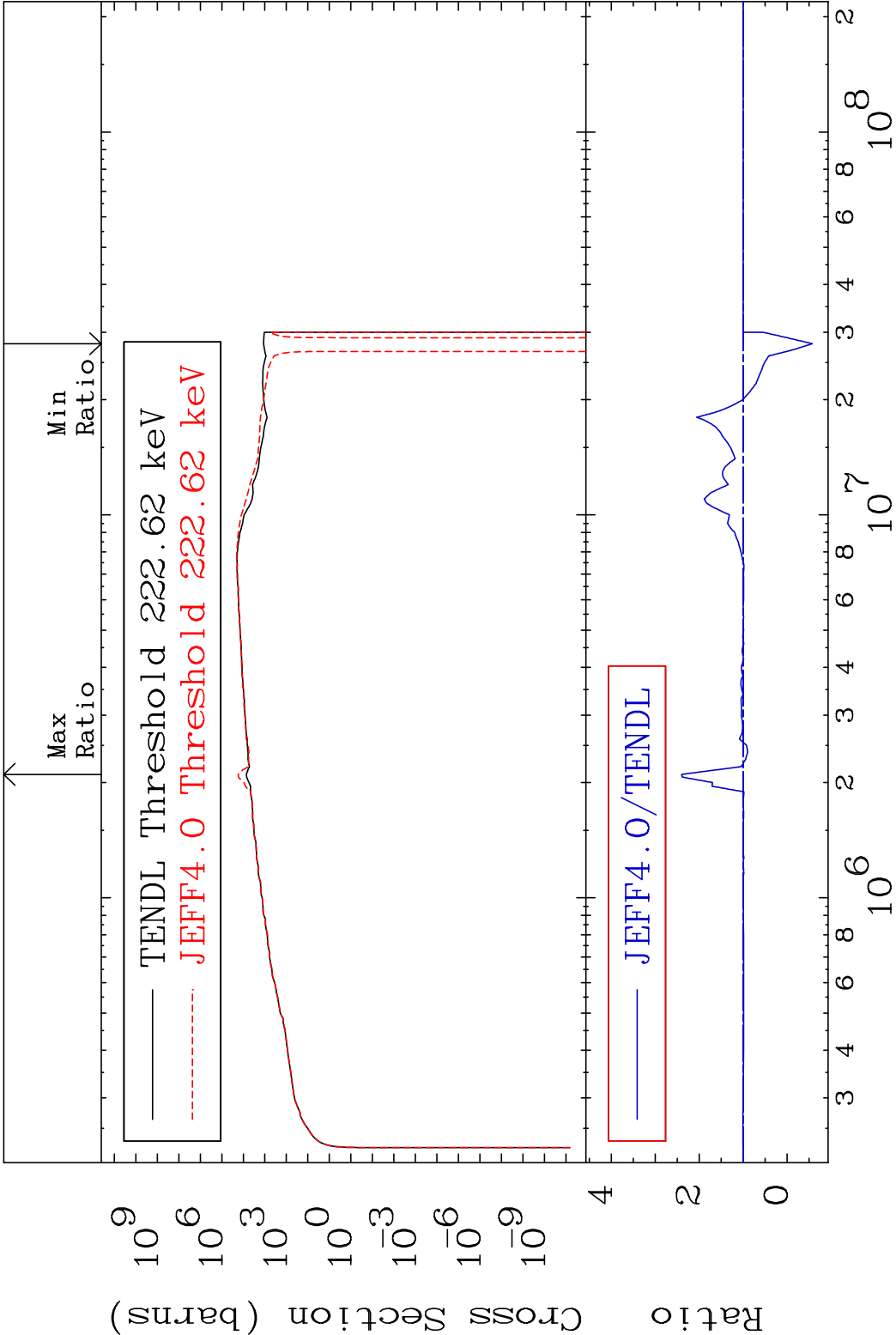


MAT 5640 Kerma elastic 56-Ba-135
Cross Section -7.612 To 0.868 %

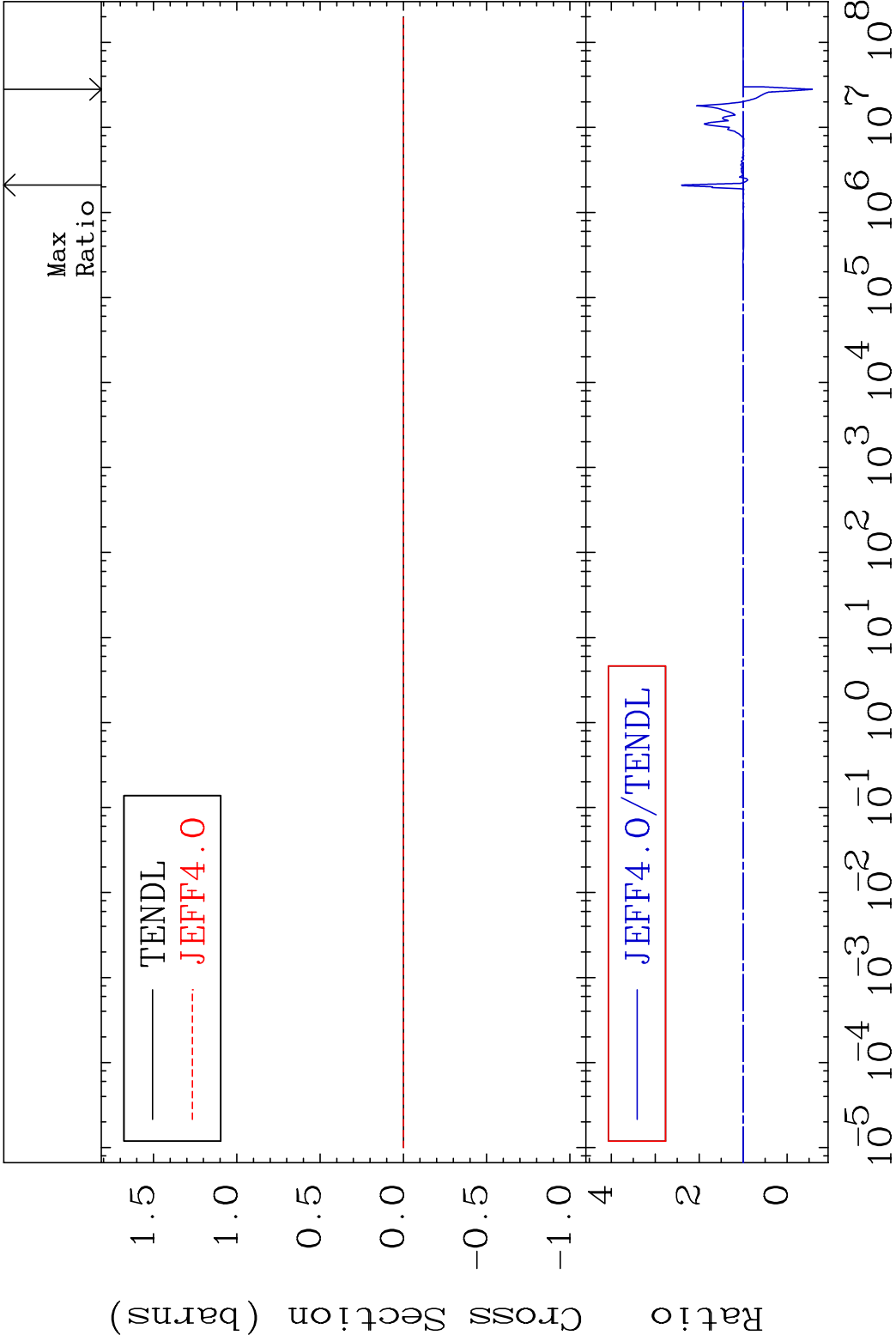


MAT 5640 Kerma non-elastic (all but mt2) 56-Ba-135
Cross Section -56.96 To 140.2 %

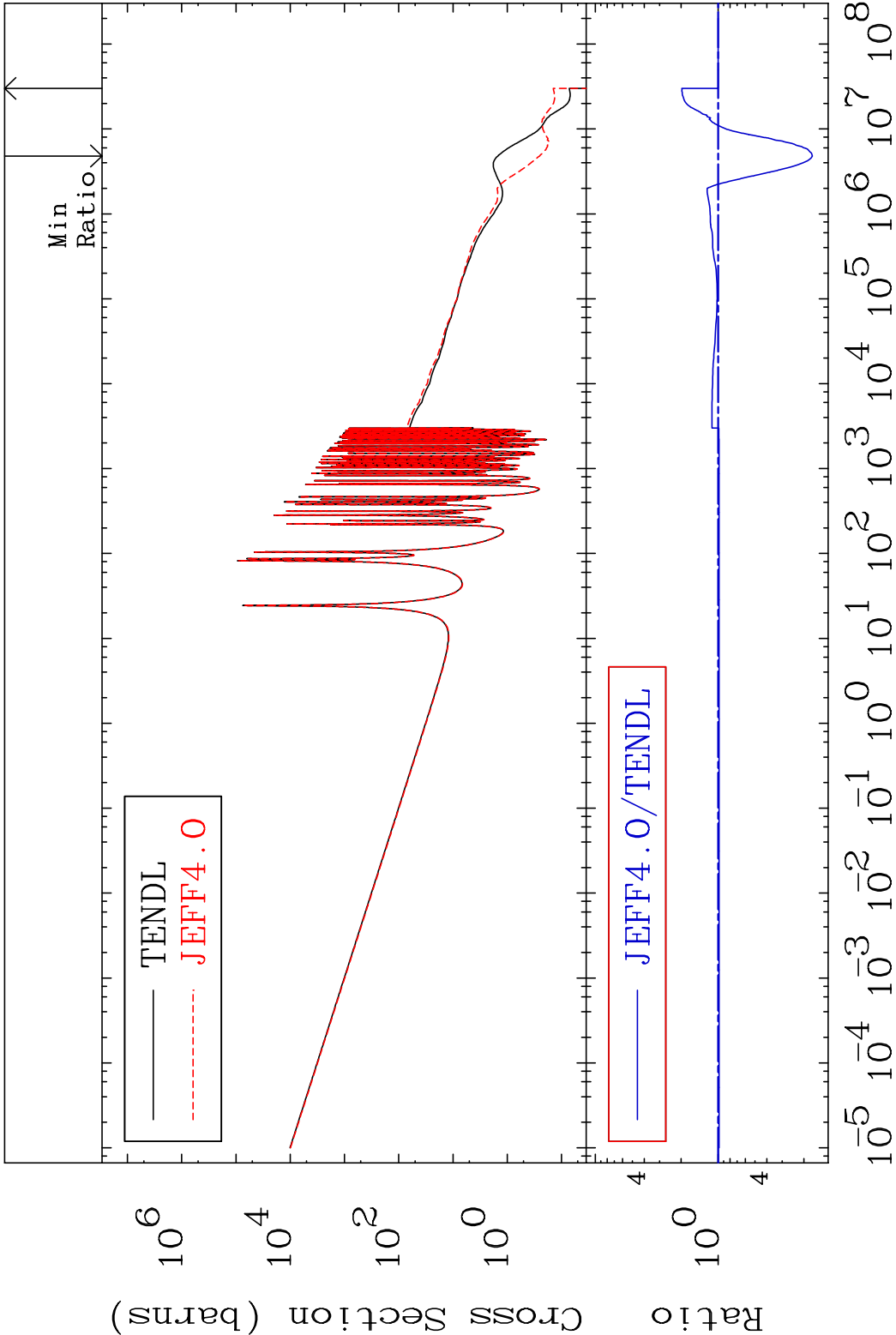




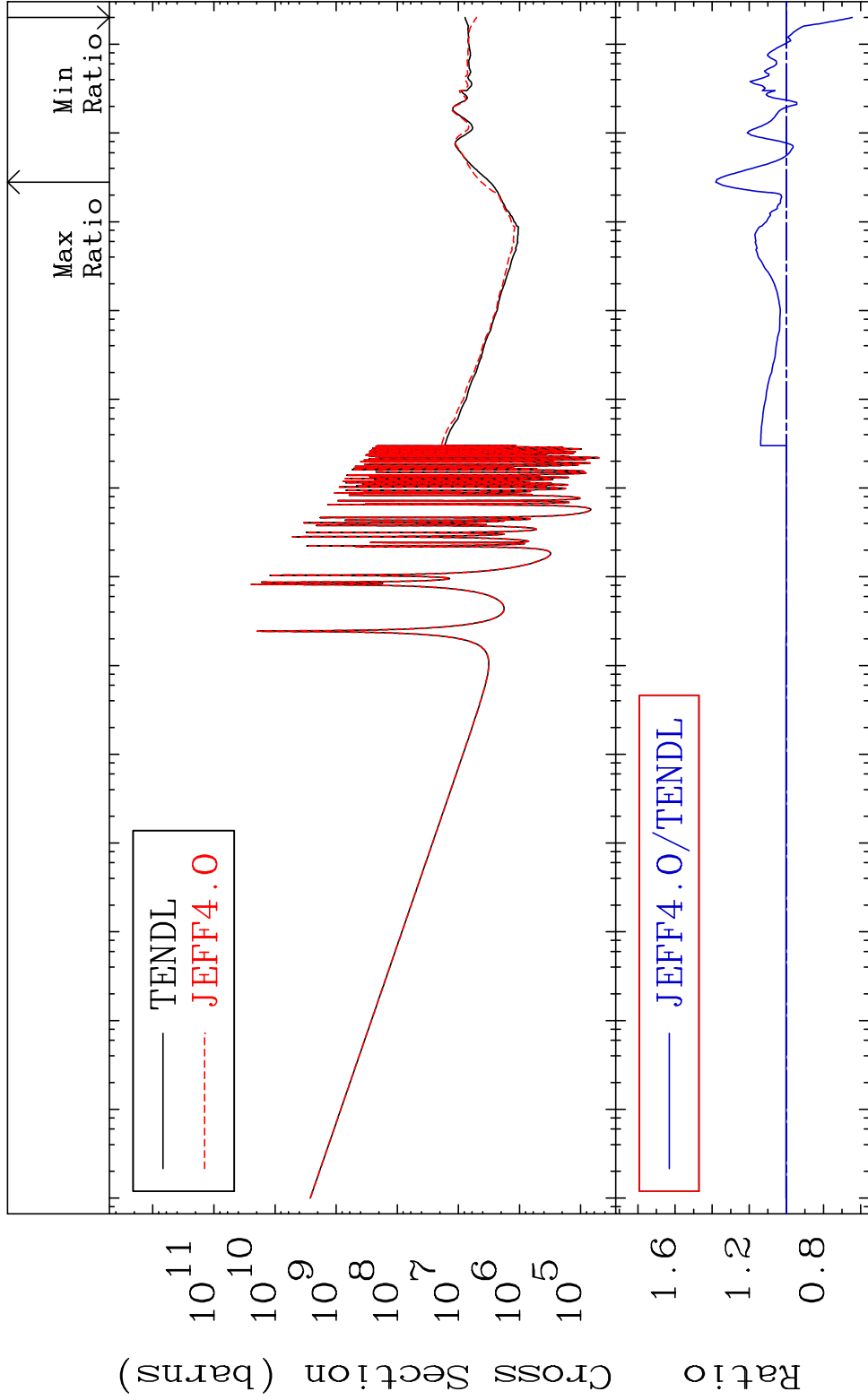
MAT 5640 Kerma fission (mt18 or mt19-20-21-38)56-Ba-135
Cross Section -157.4 To 140.2 %



MAT 5640 Kerma capture (mt102) 56-Ba-135
Cross Section -82.92 To 97.70 %

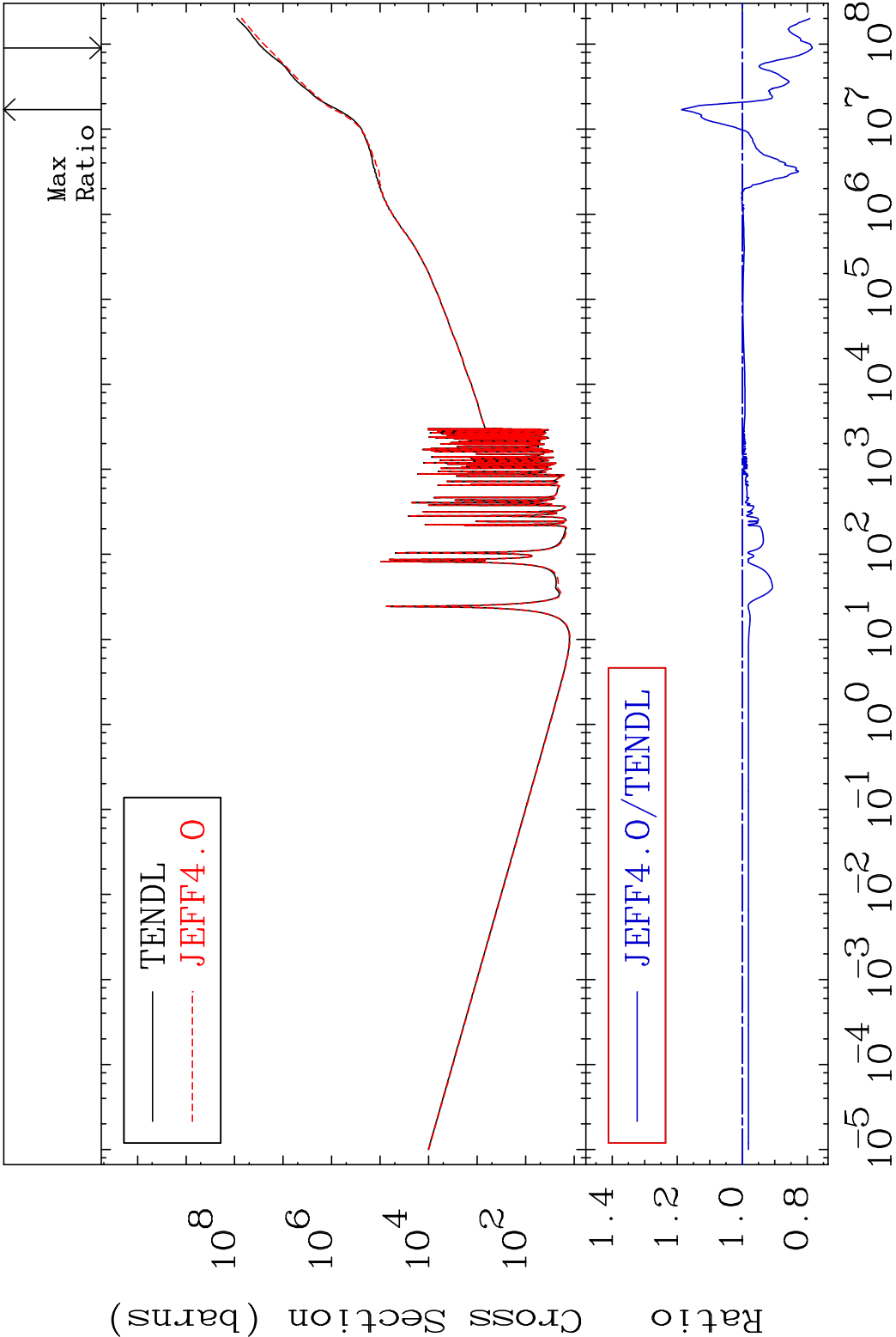


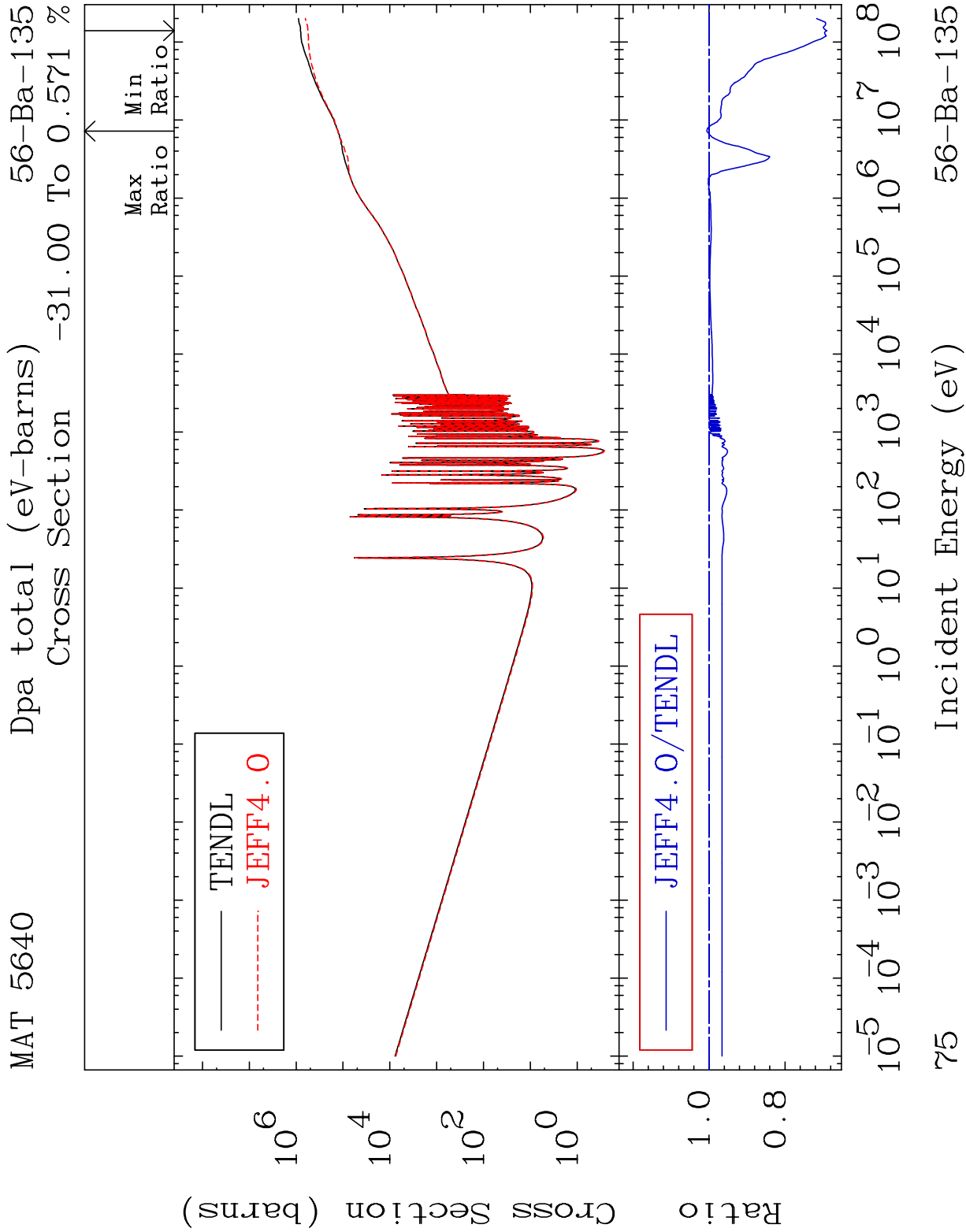
MAT 5640 Total photon (eV-barns) 56-Ba-135
Cross Section -35.48 To 38.11 %

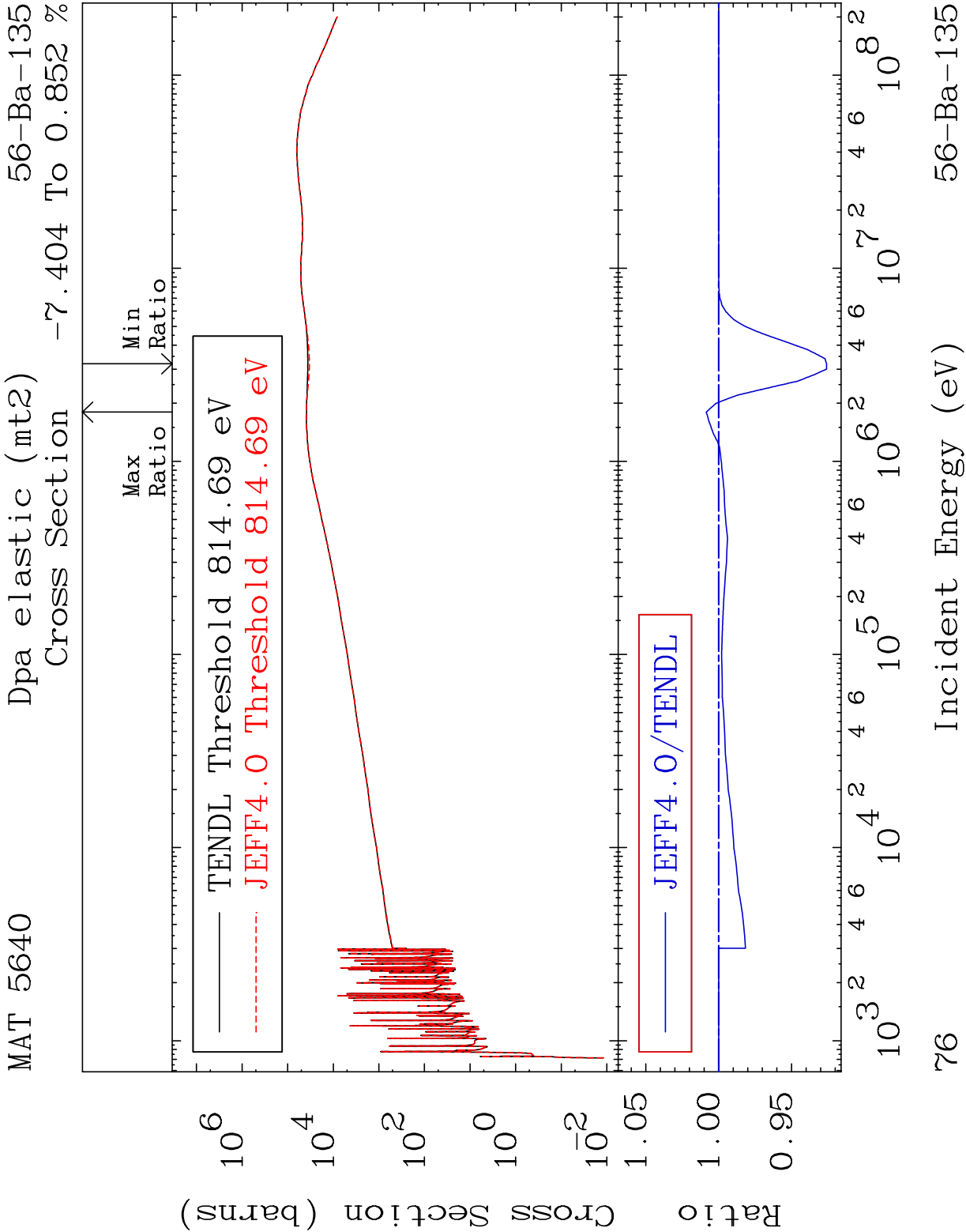


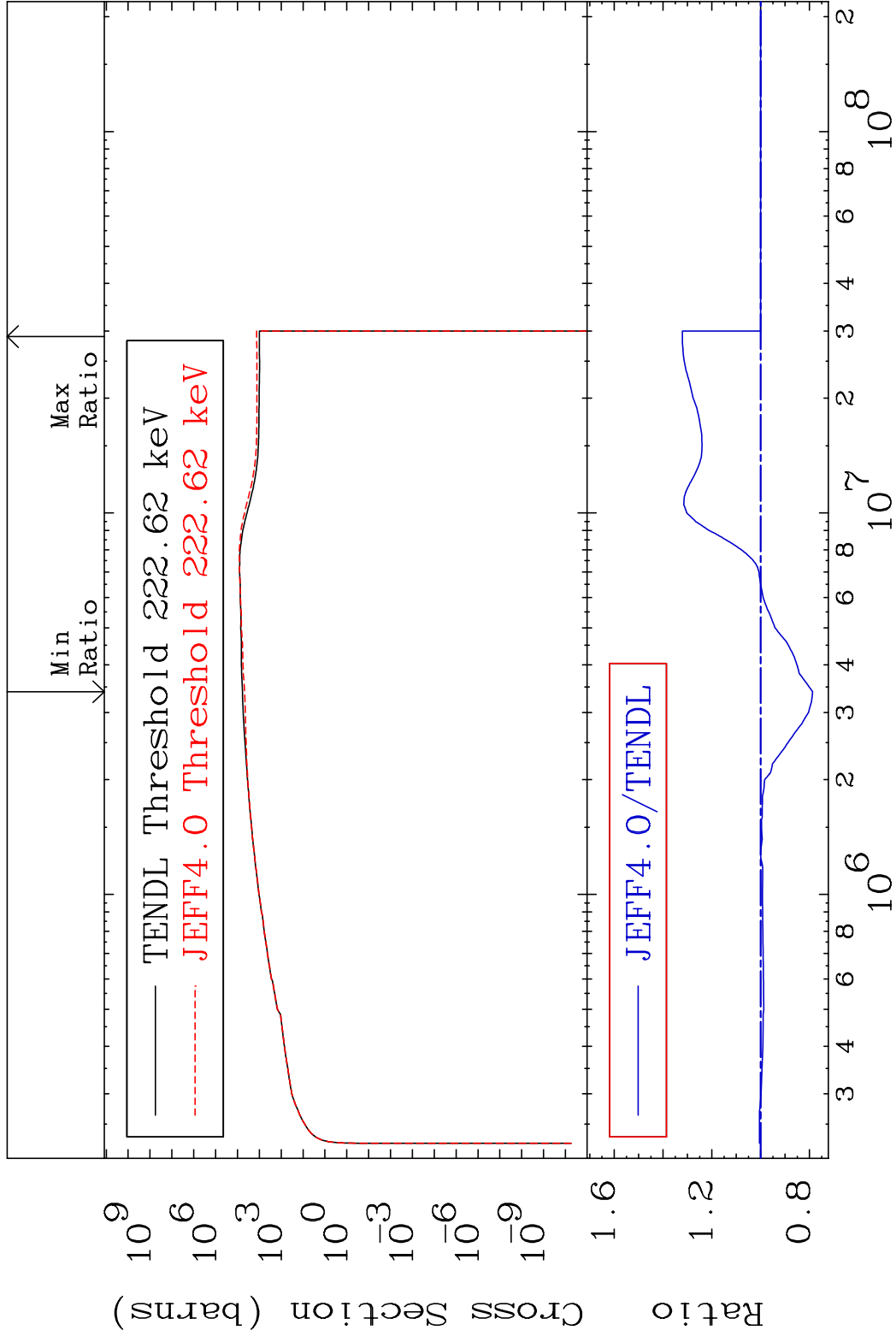
73 Incident Energy (eV) 56-Ba-135

MAT 5640 Total kinematic kerma (high limit) 56-Ba-135
Cross Section -21.55 To 18.68 %

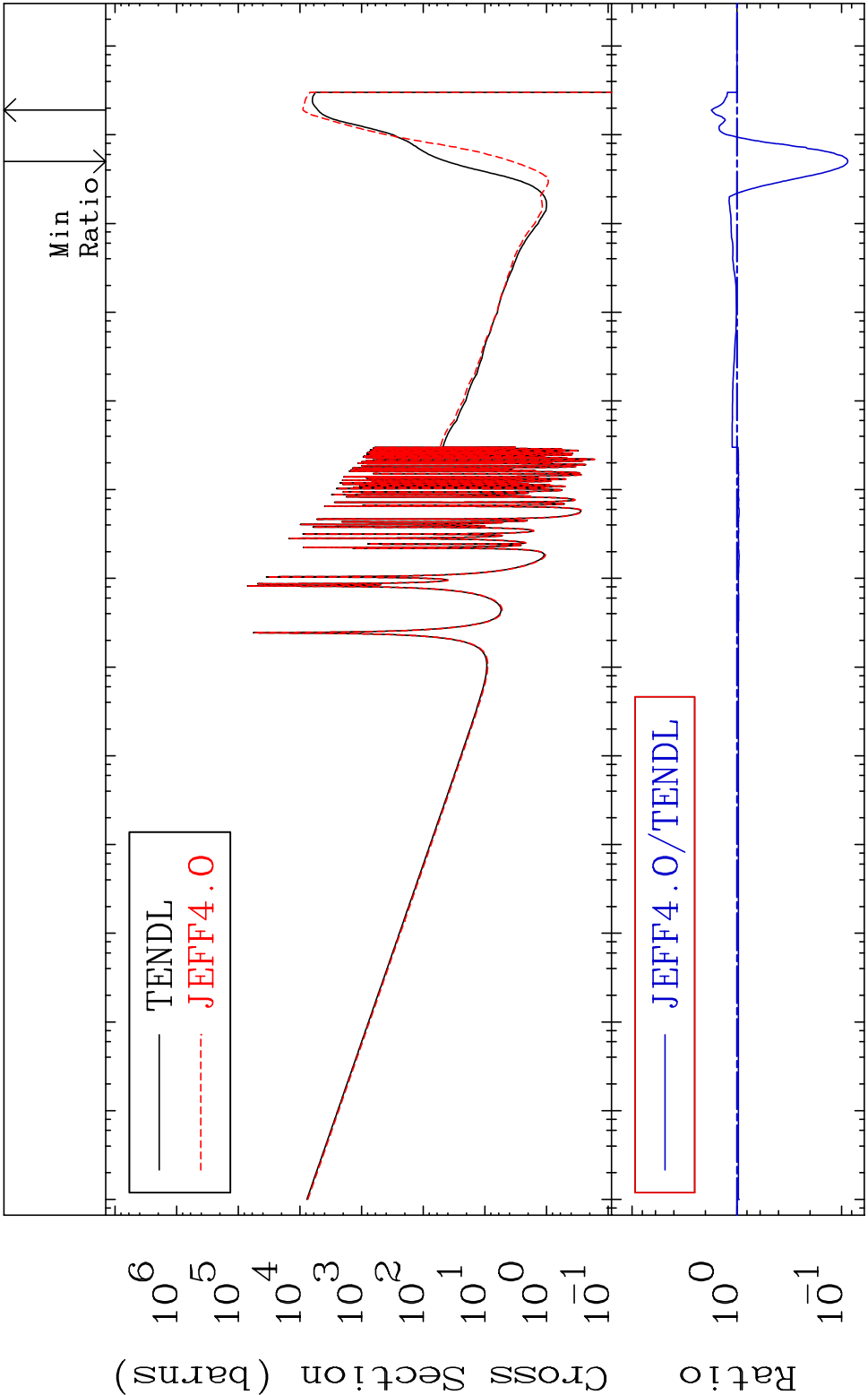


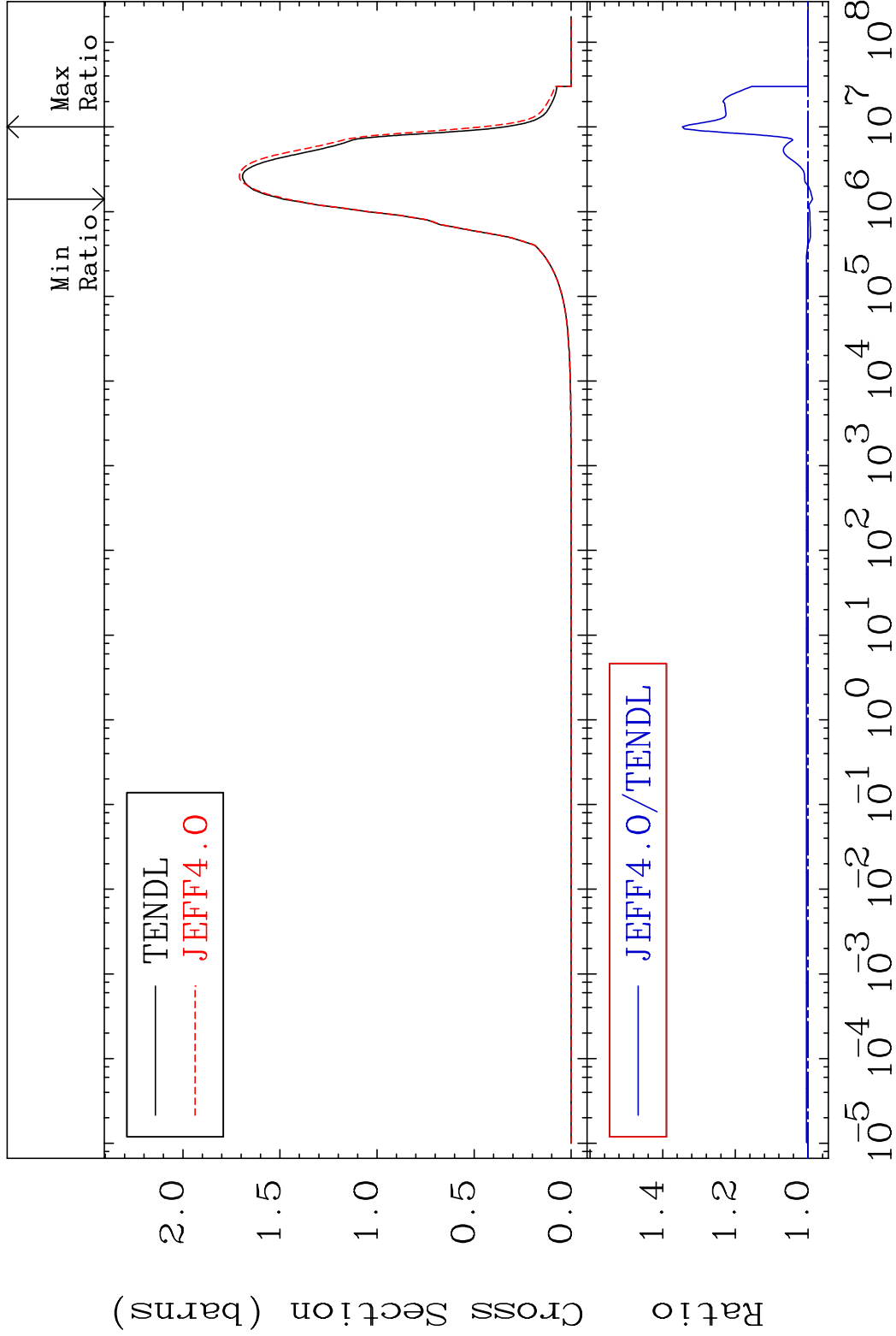


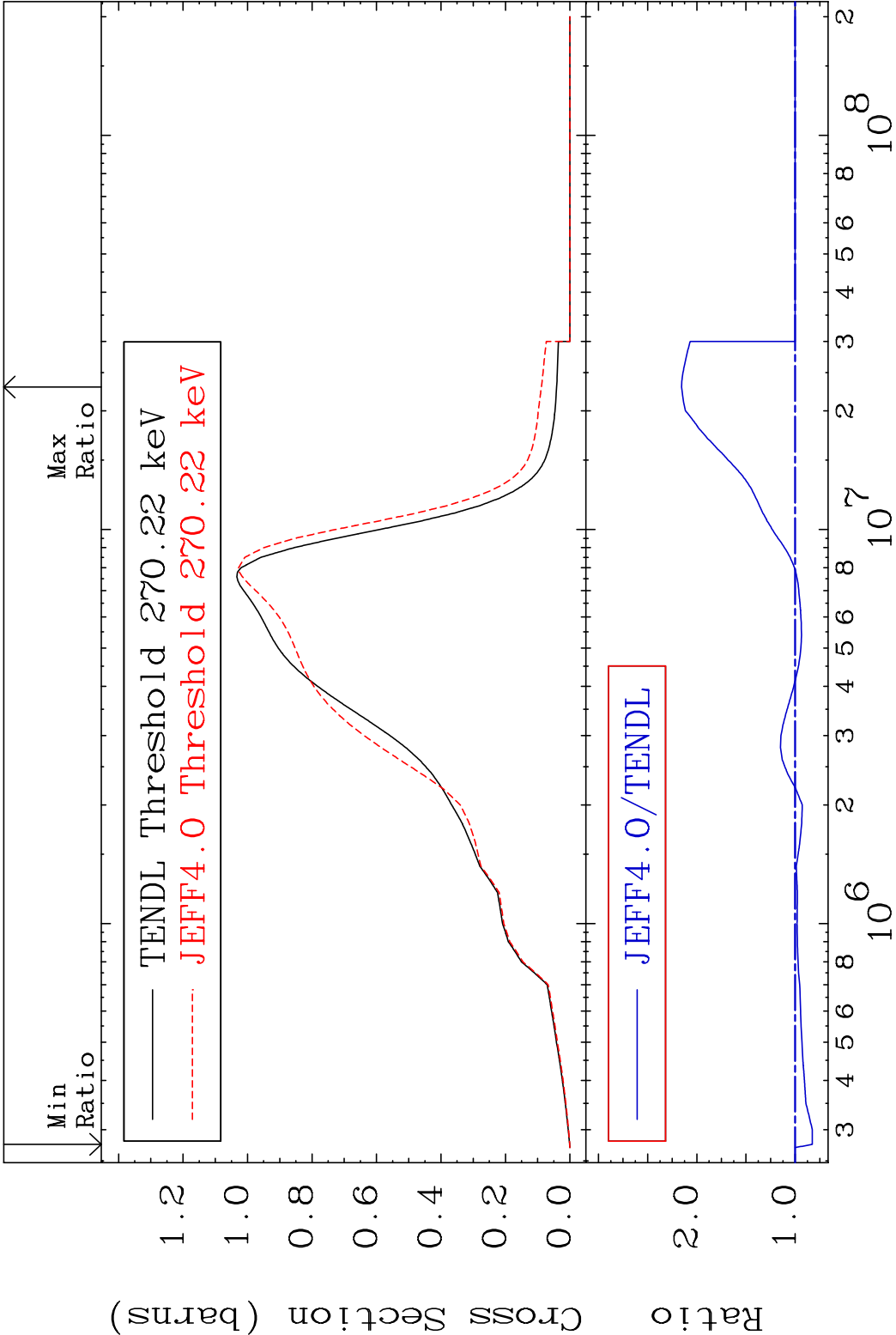


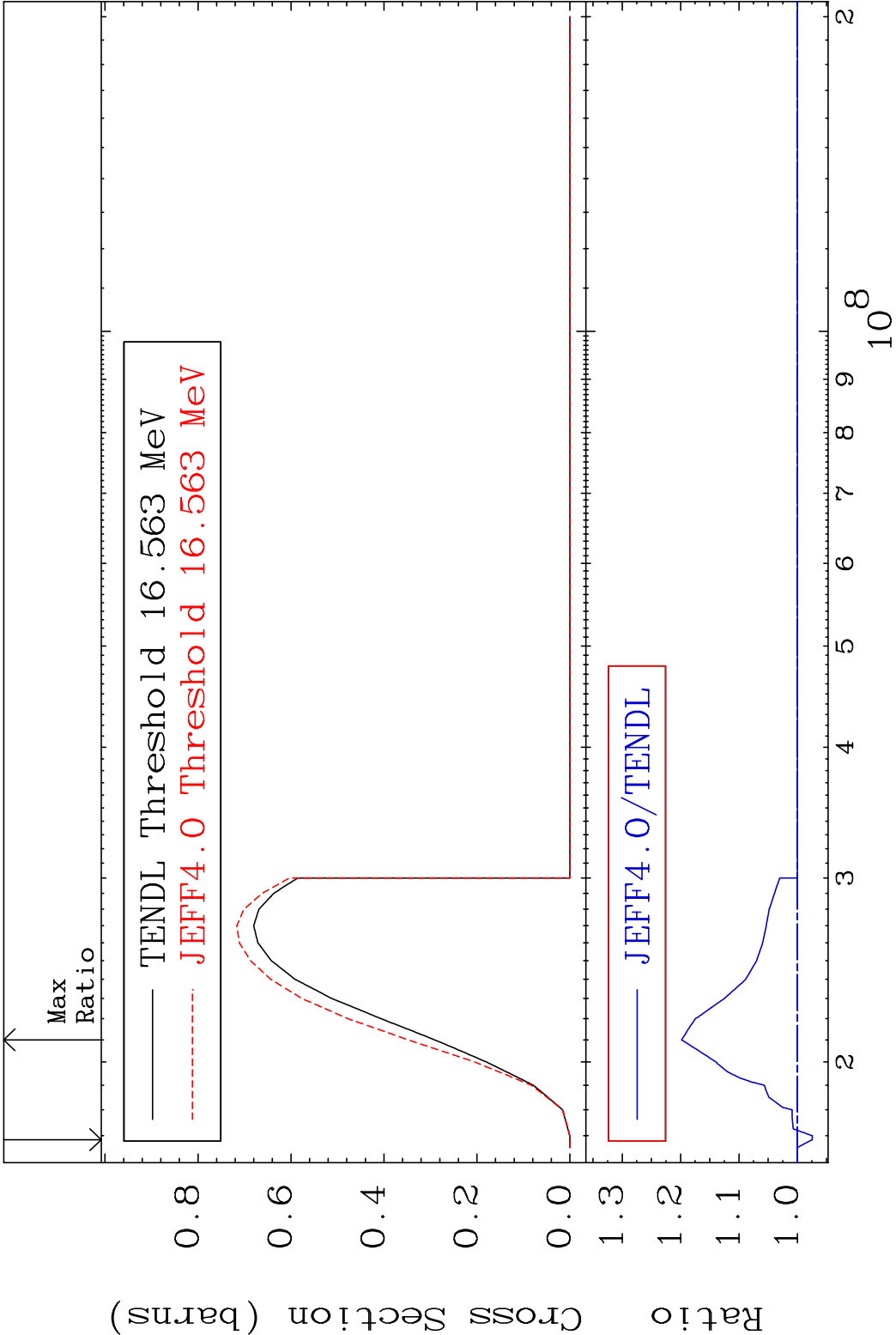


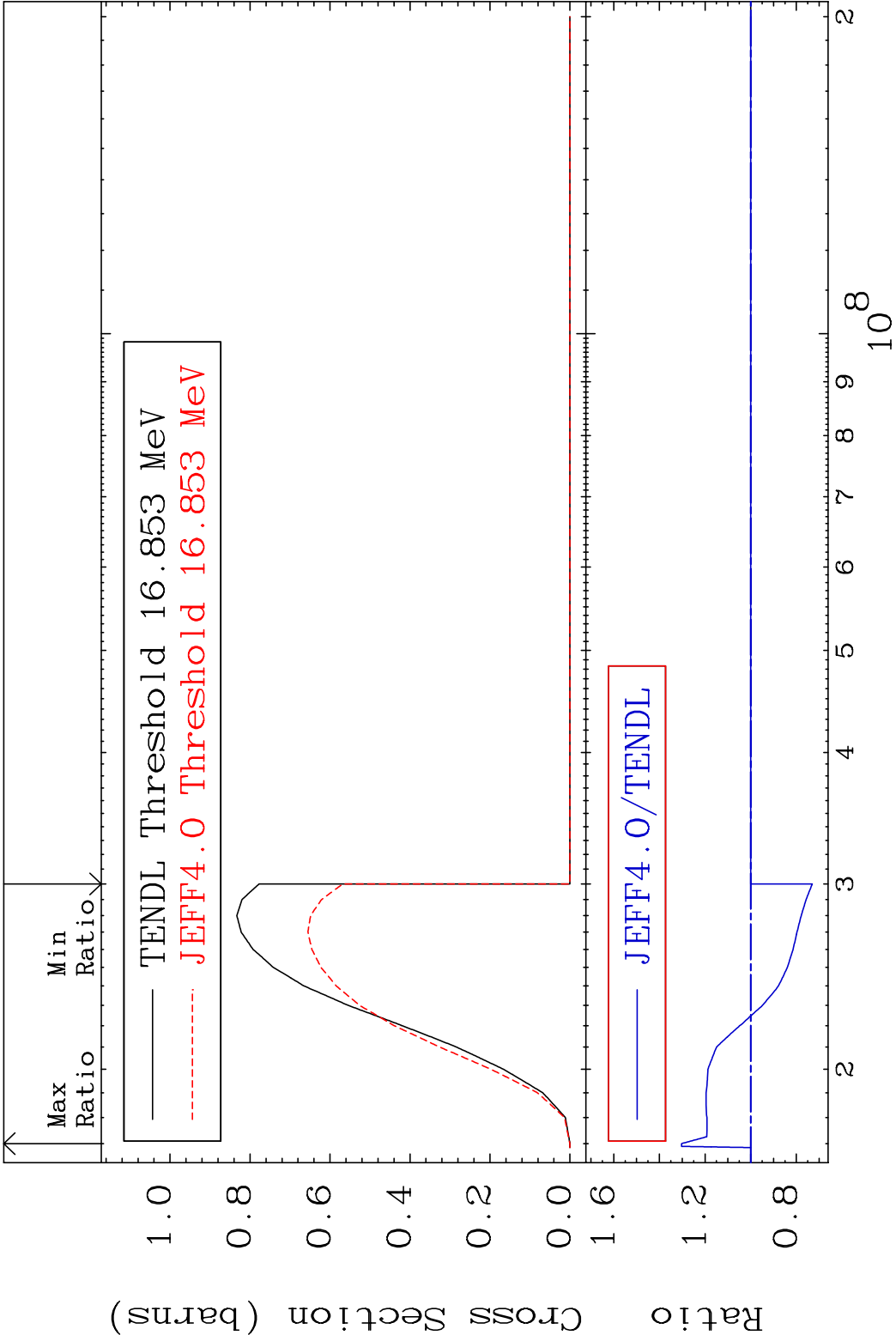
MAT 5640 Dpa disappearance (mt102 -120) 56-Ba-135
Cross Section -91.28 To 75.21 %

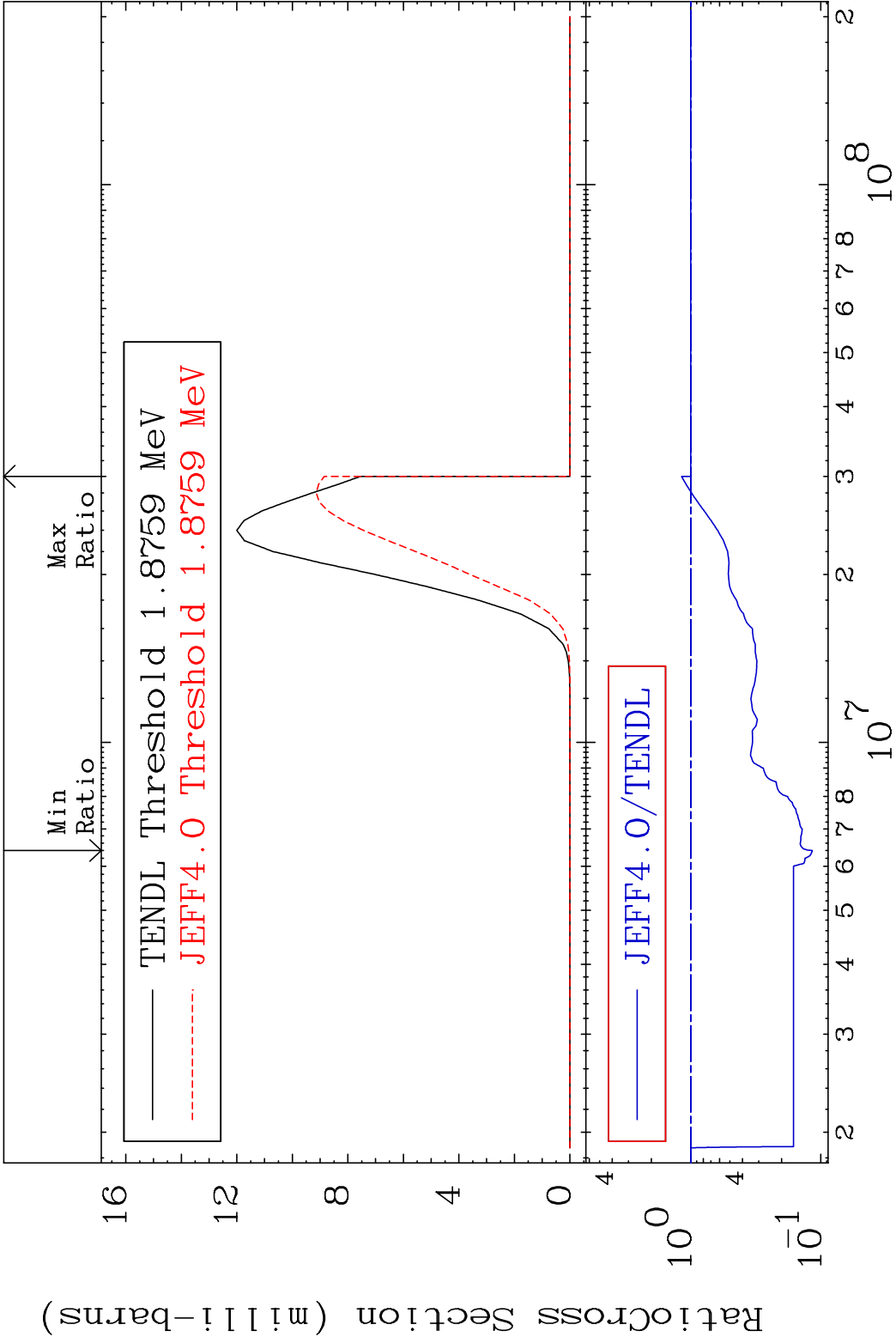


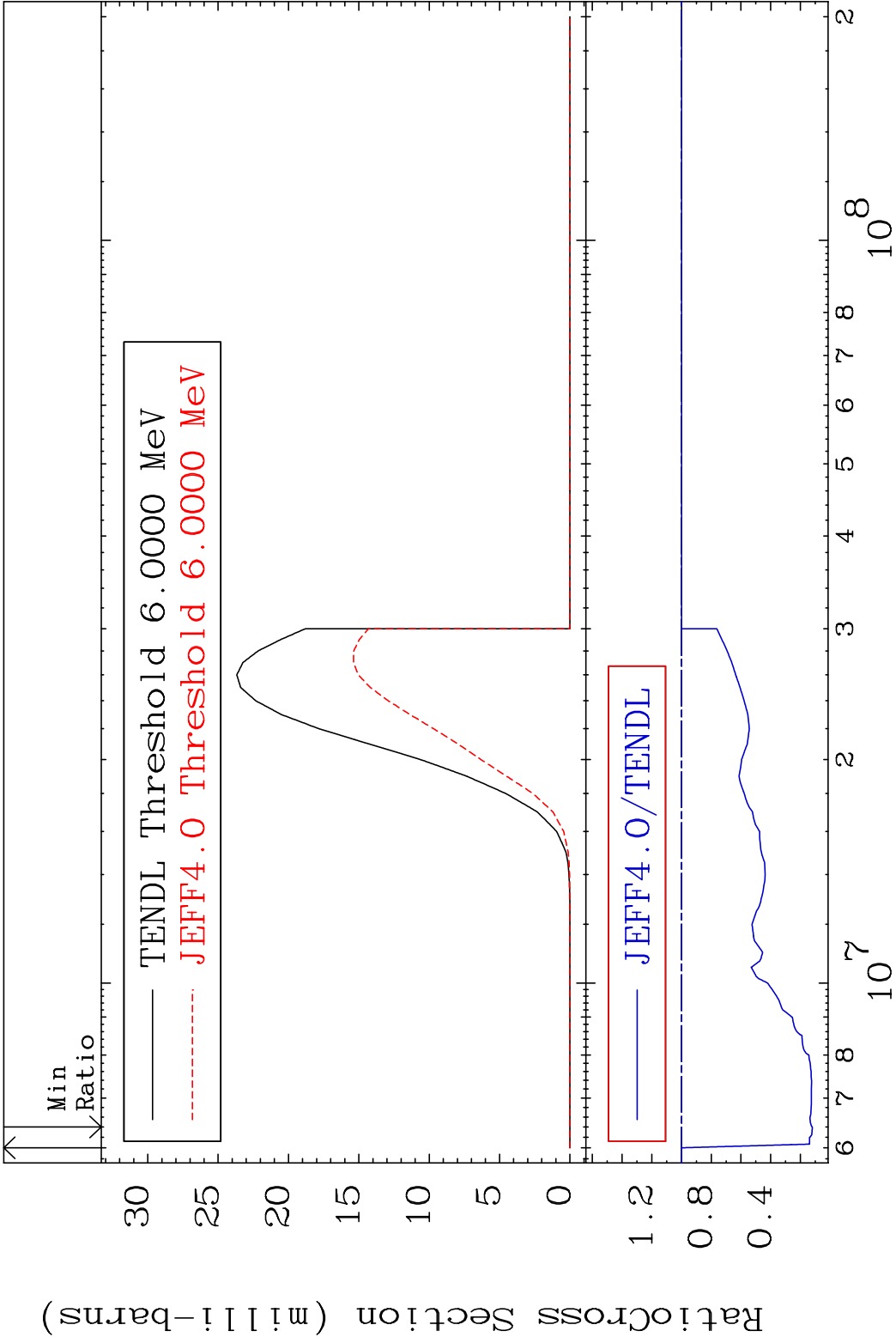


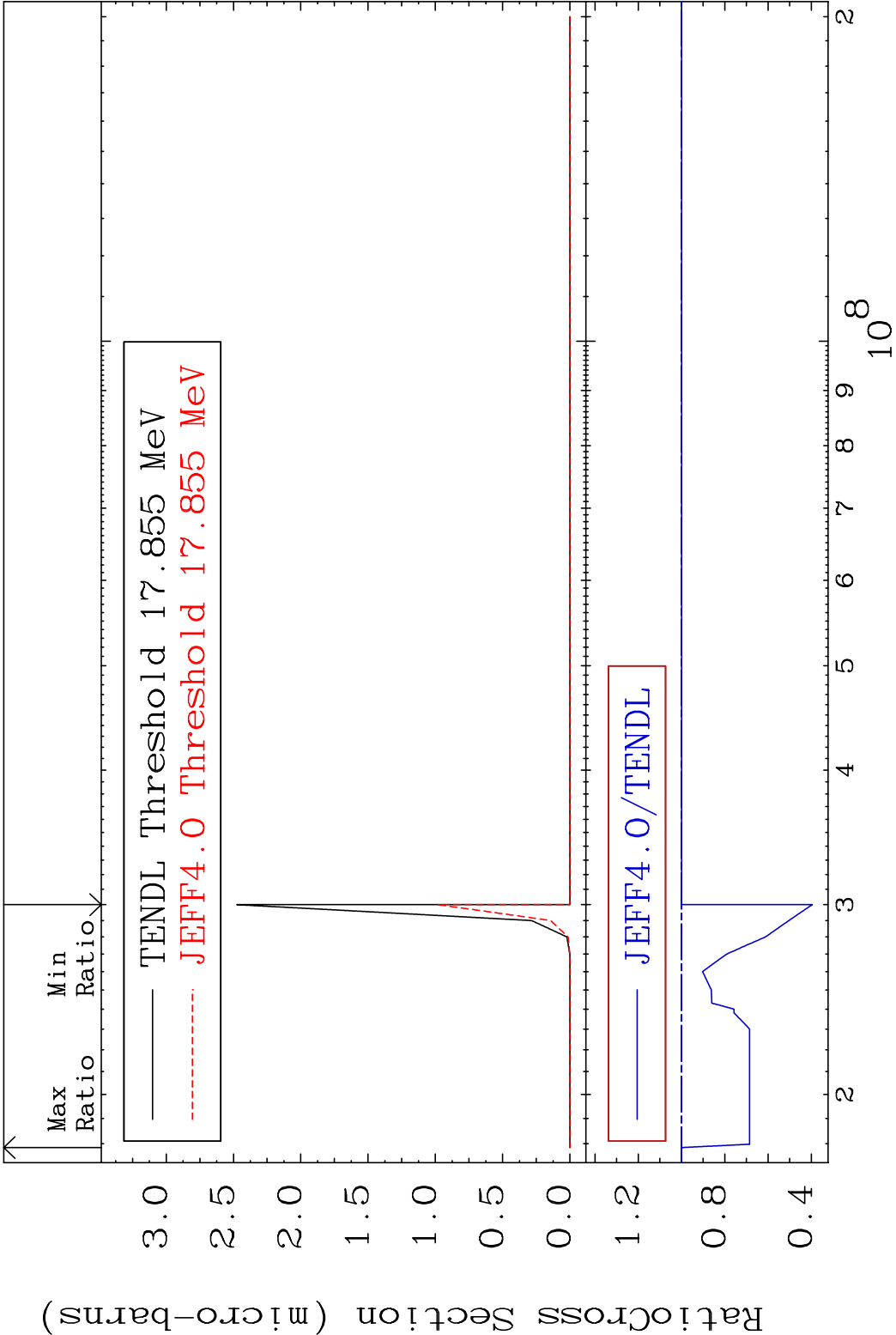


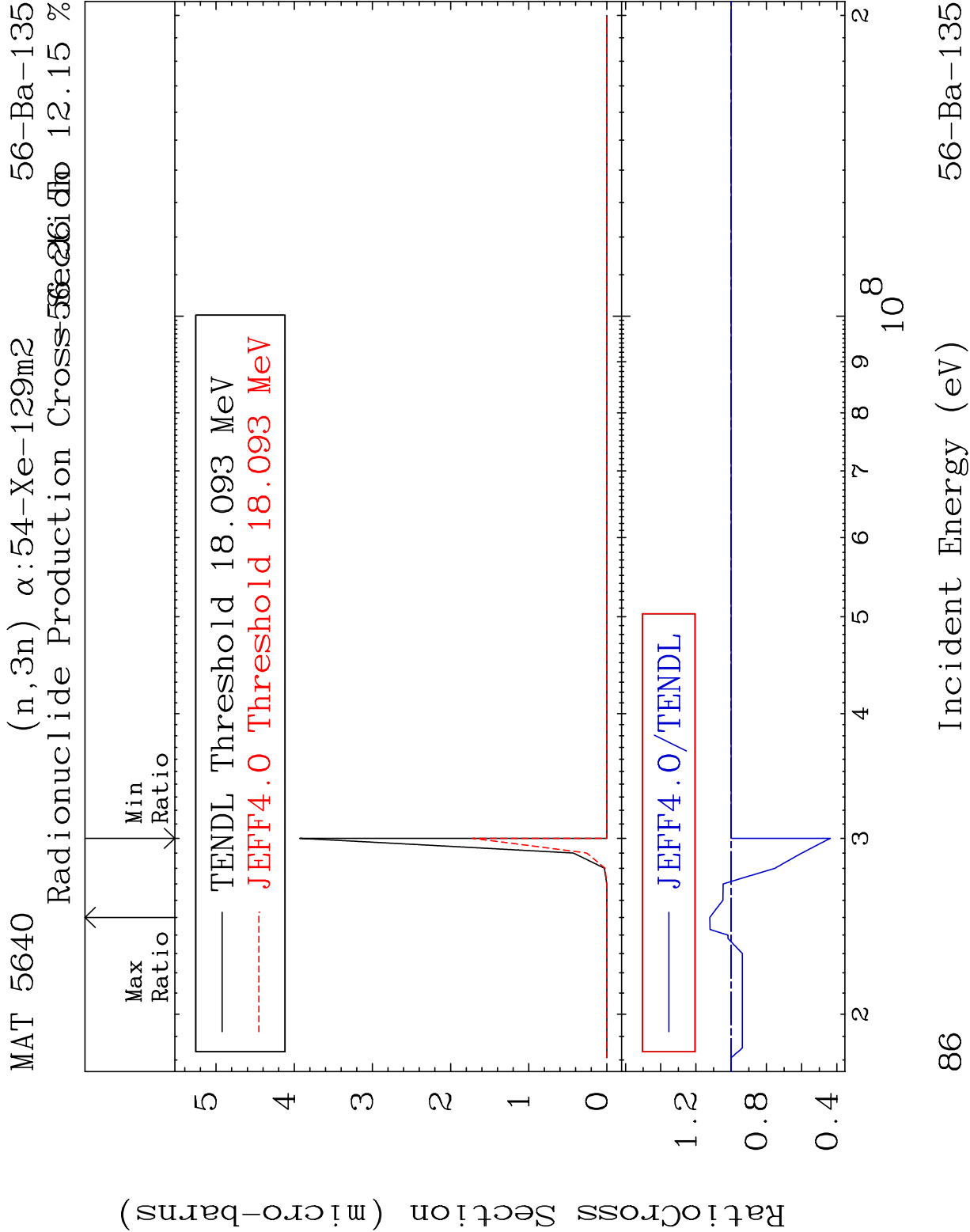






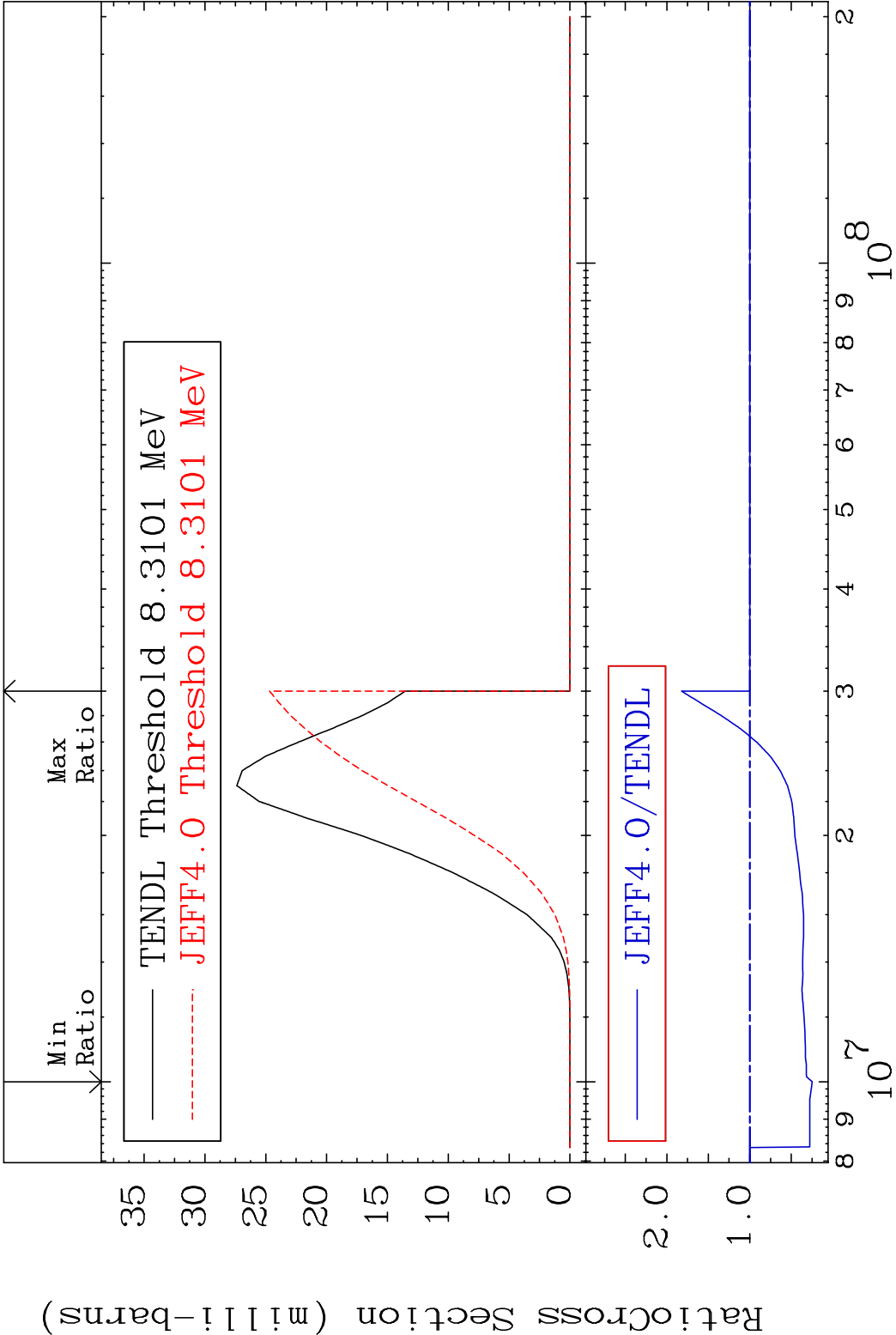


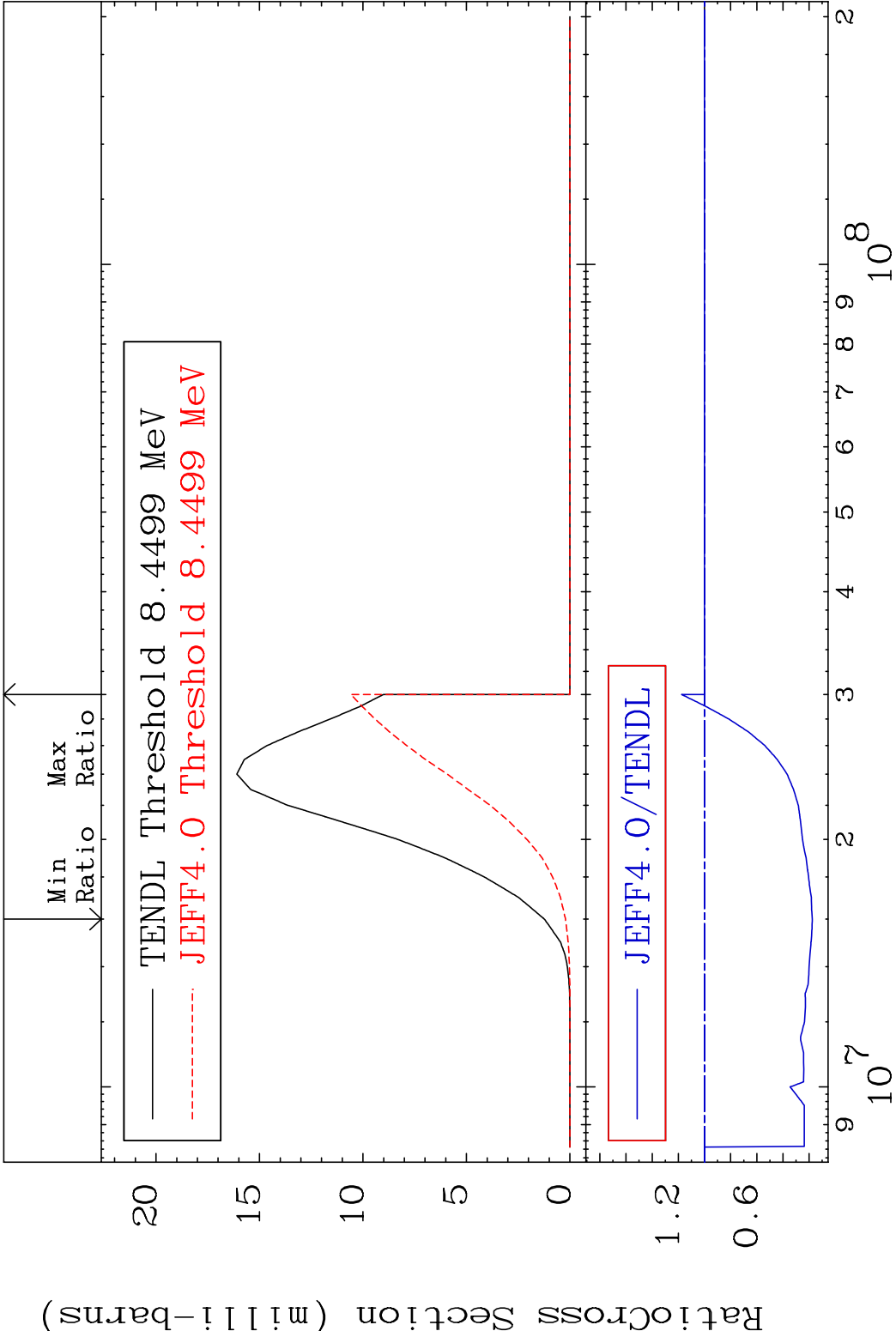


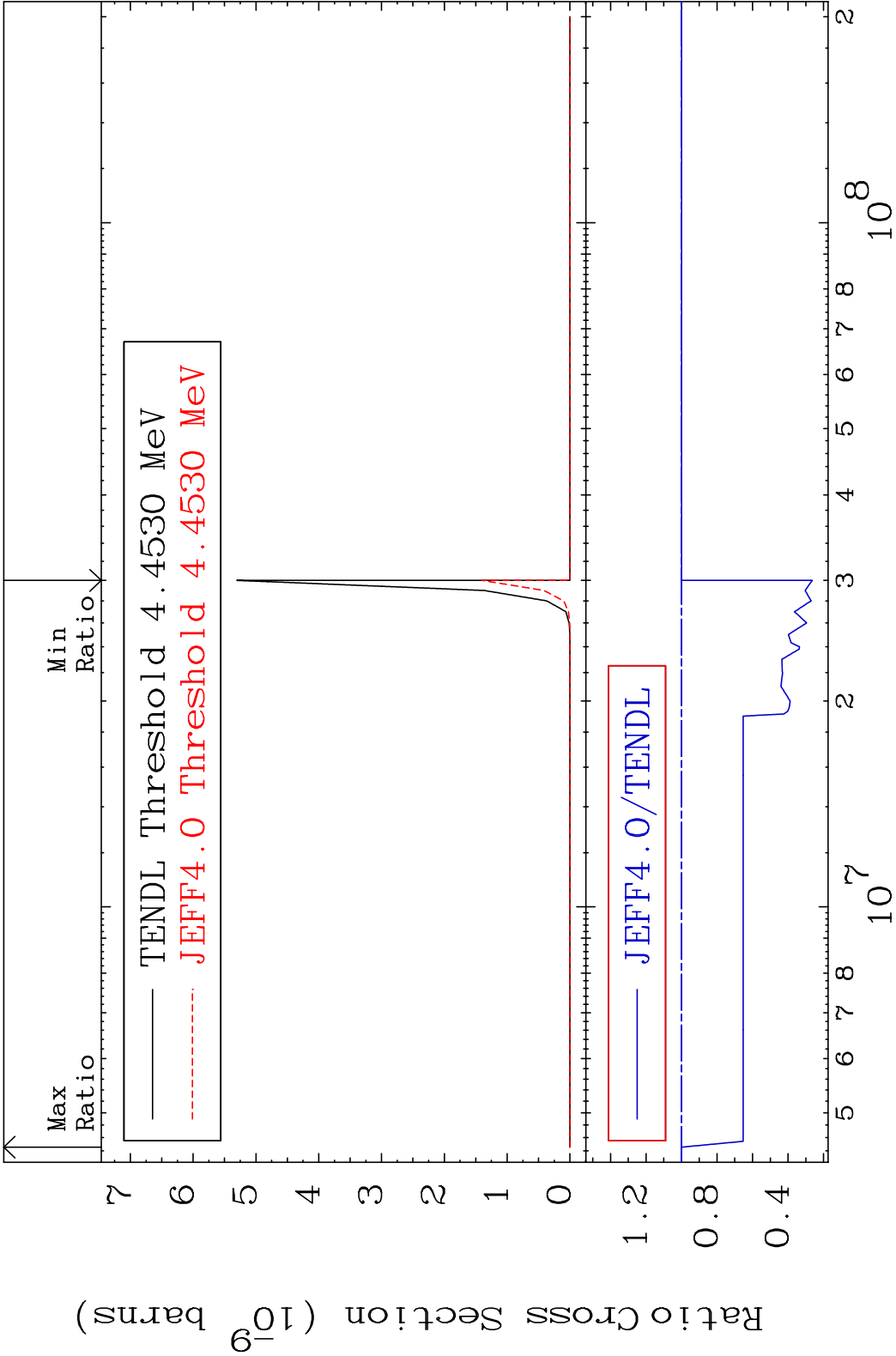


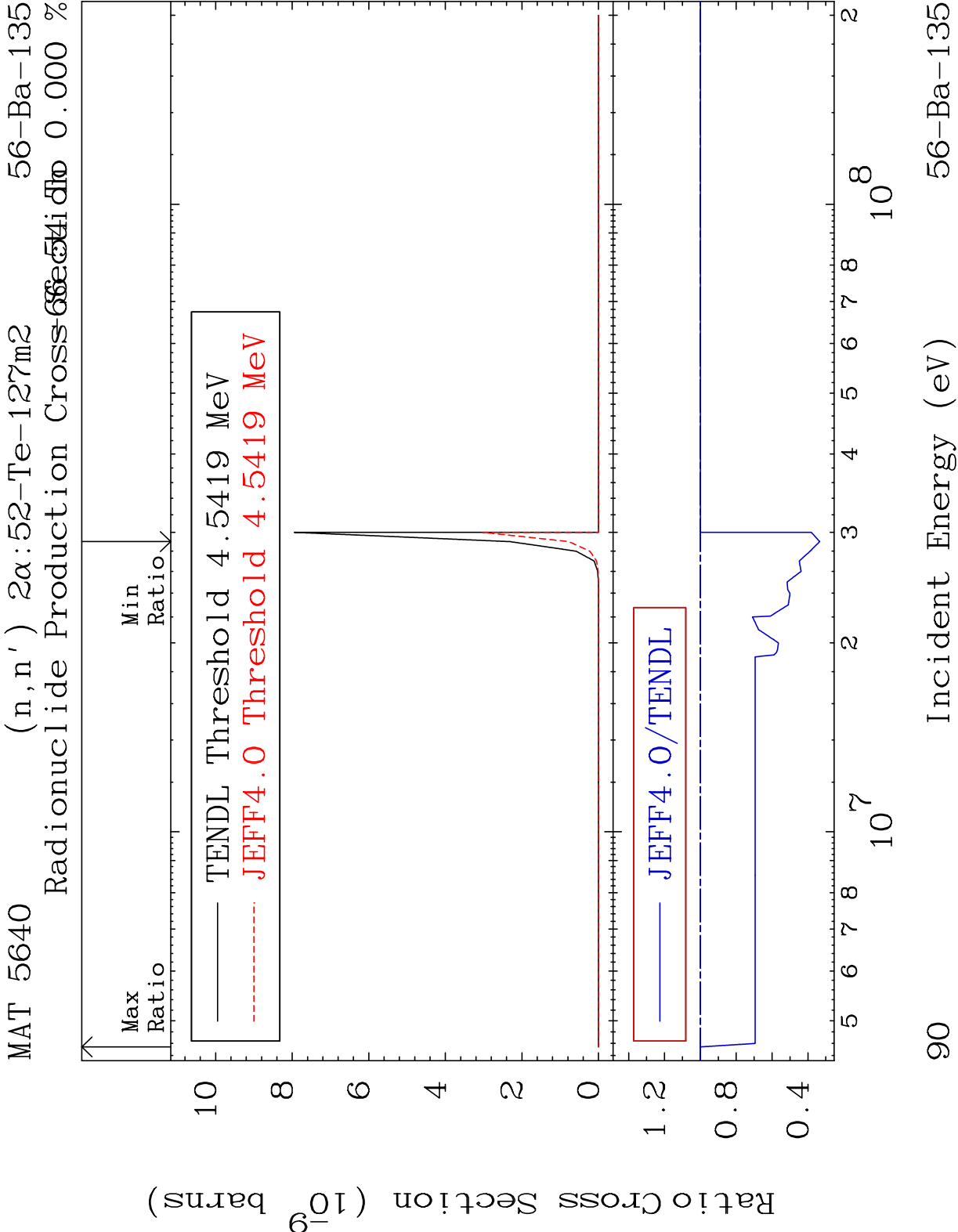
86

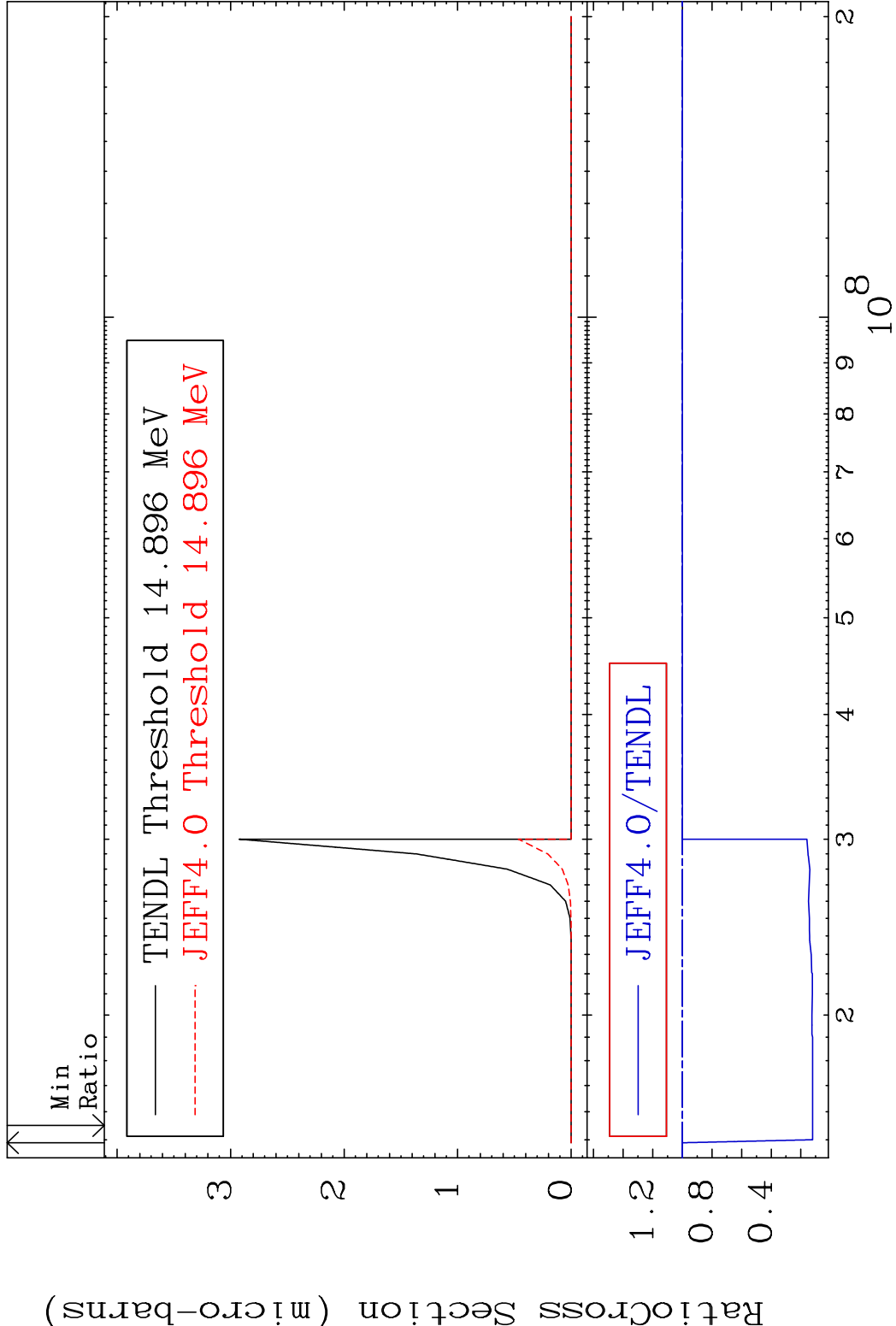
56-Ba-135

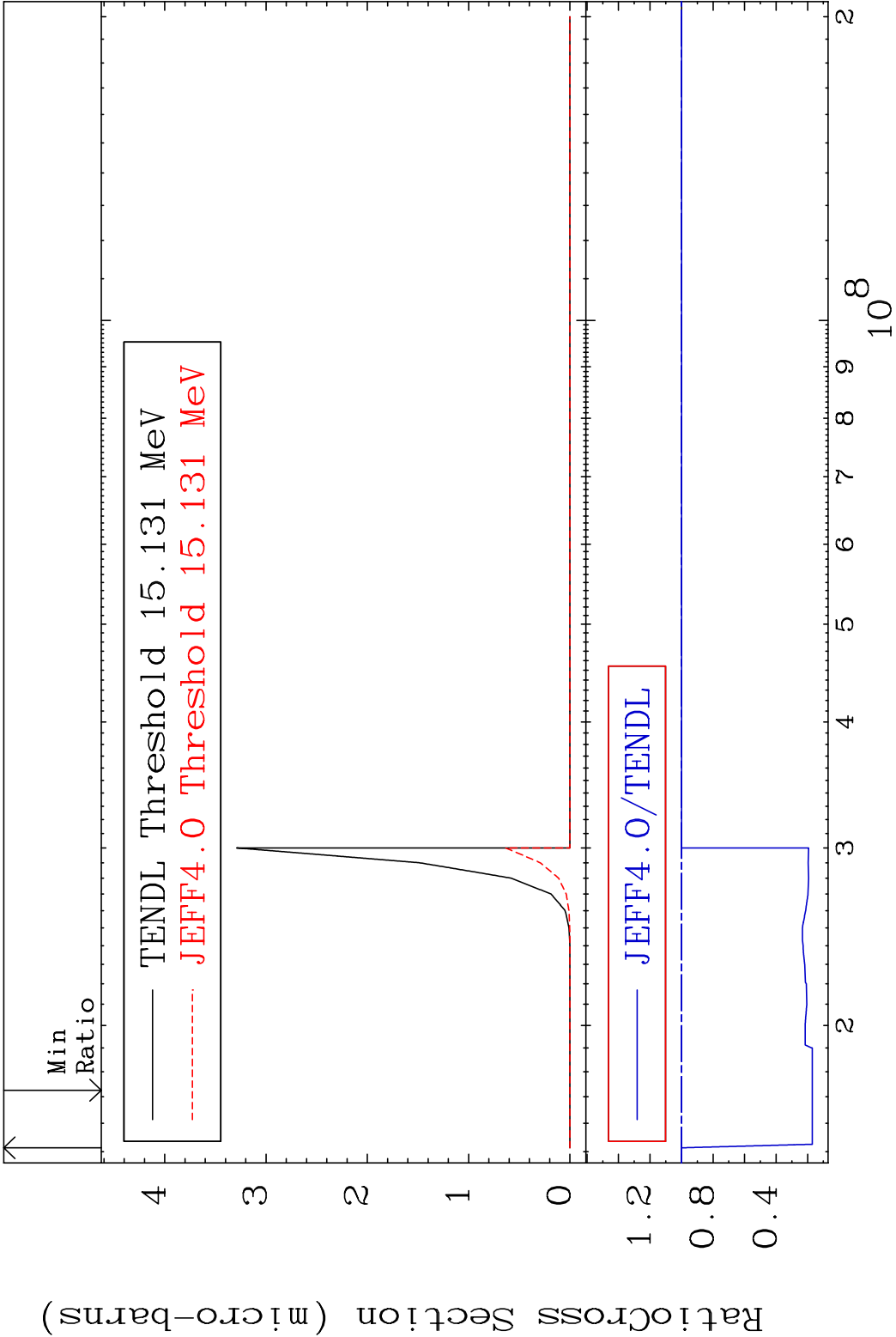


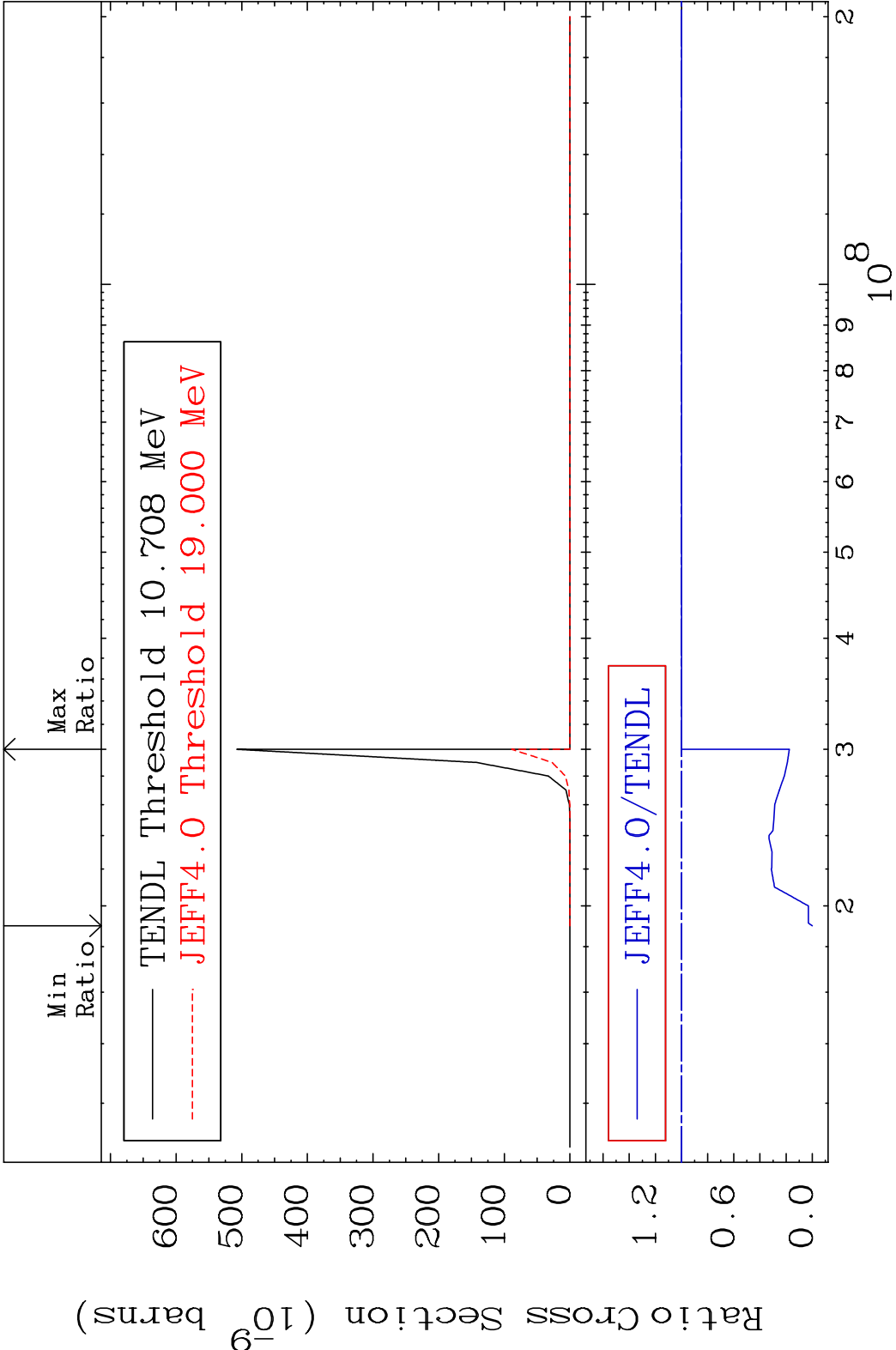


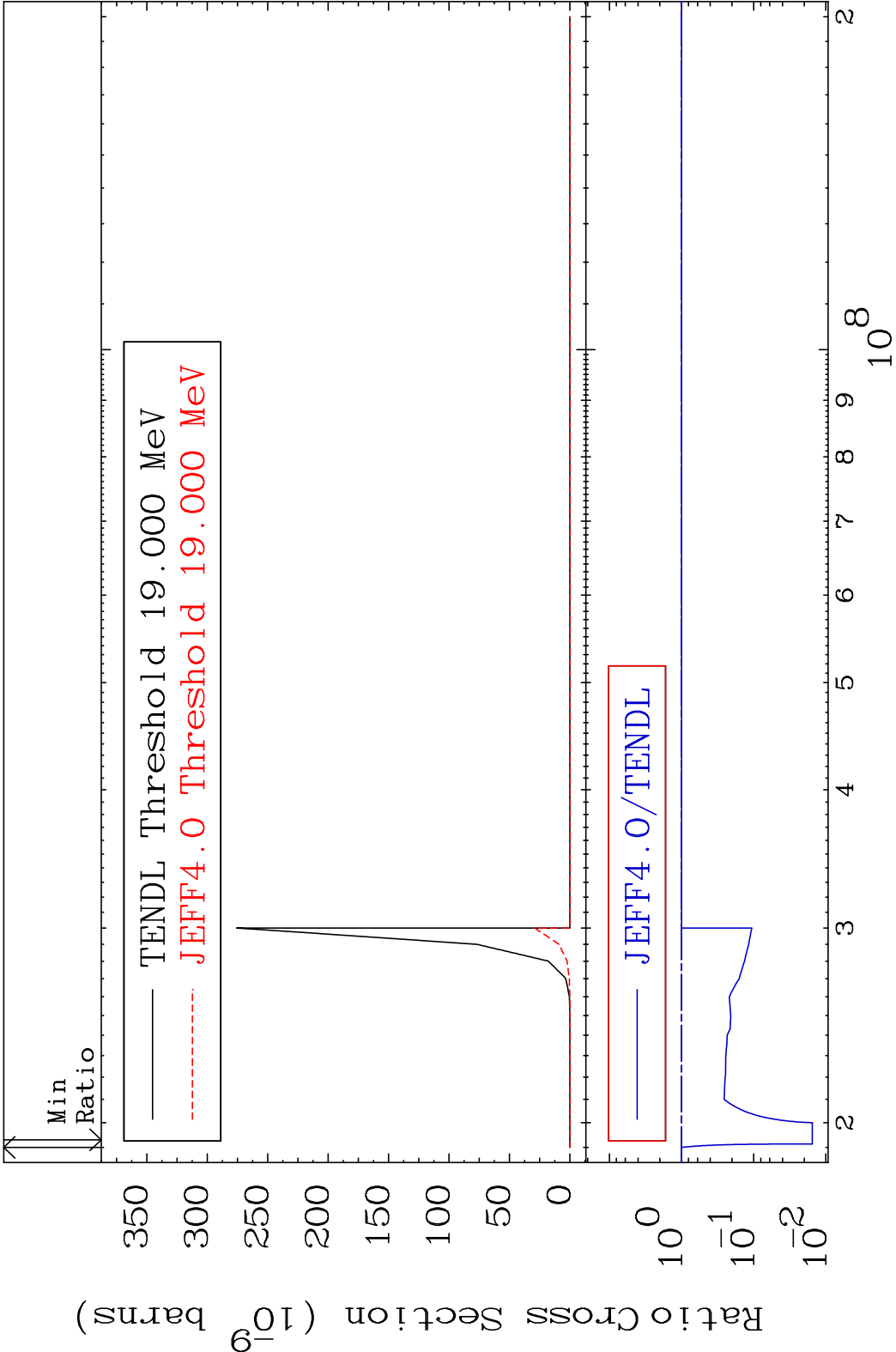


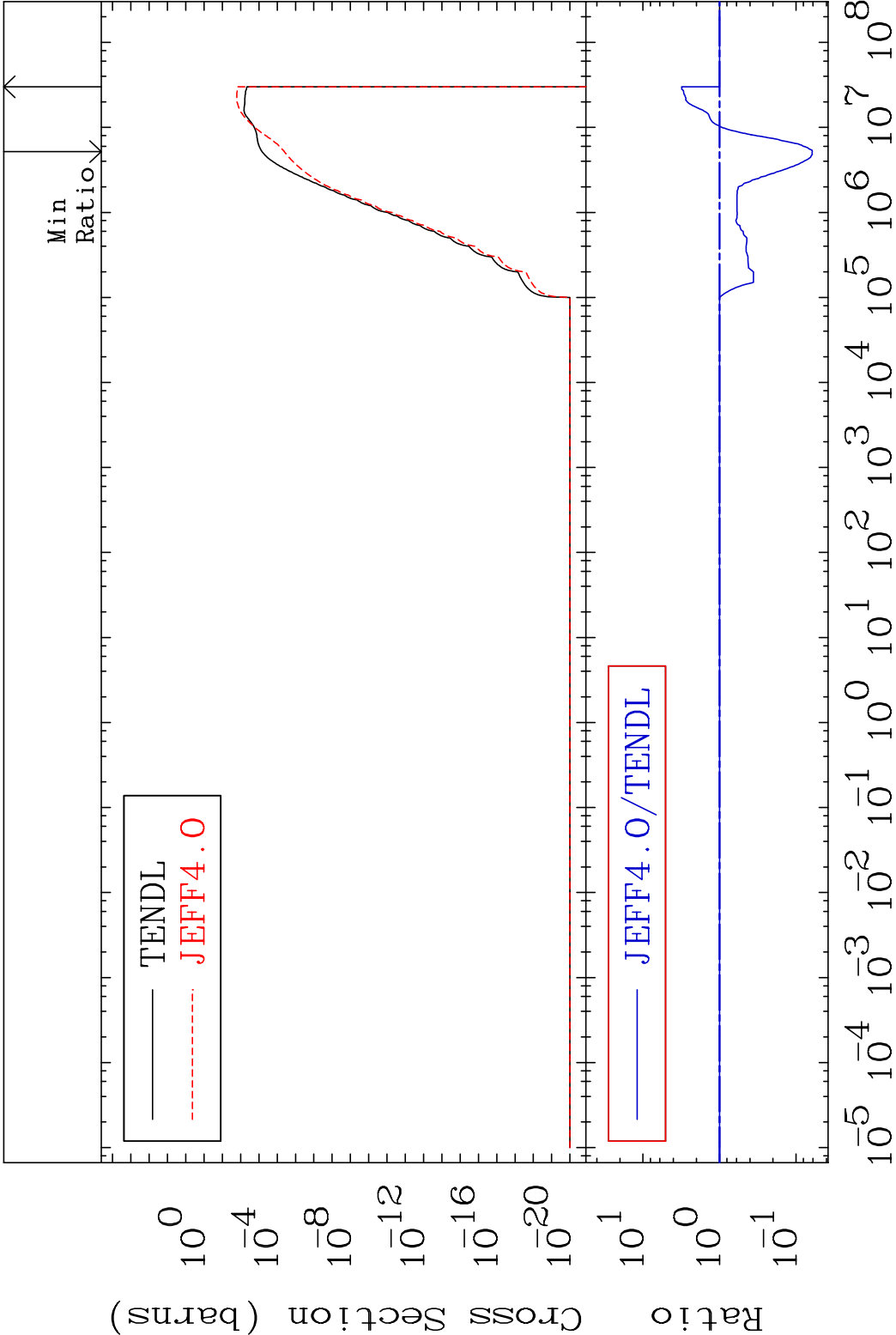


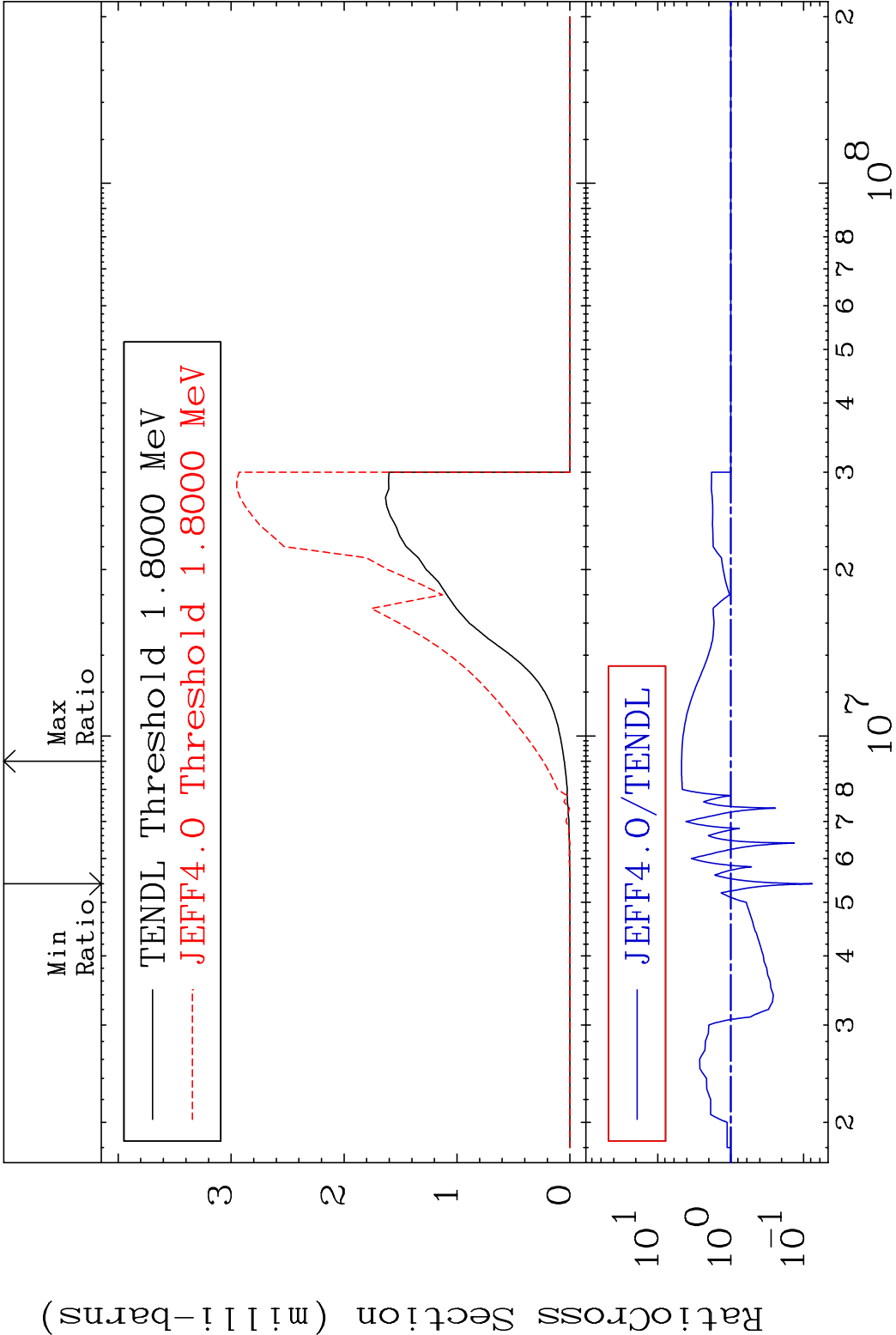


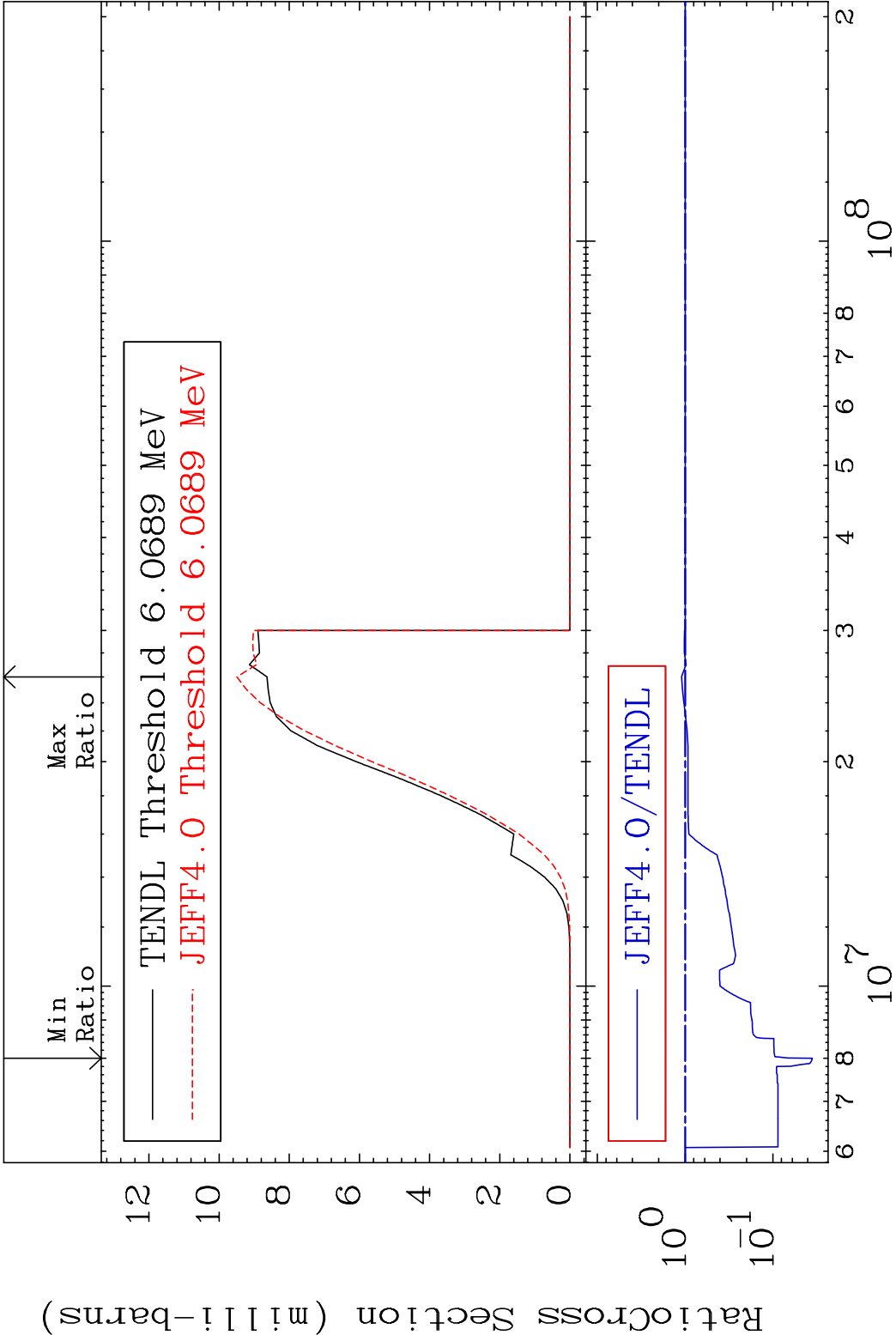


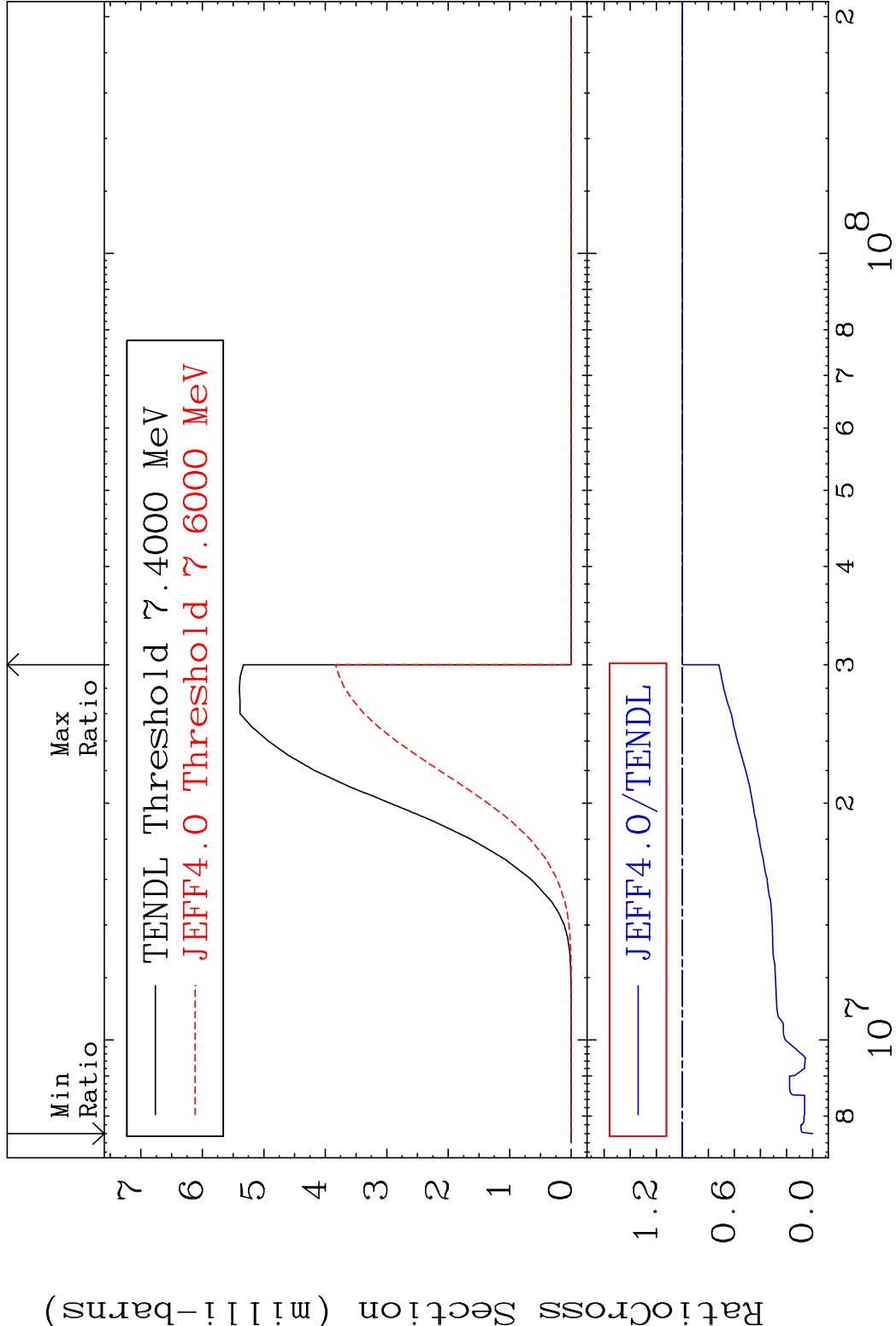


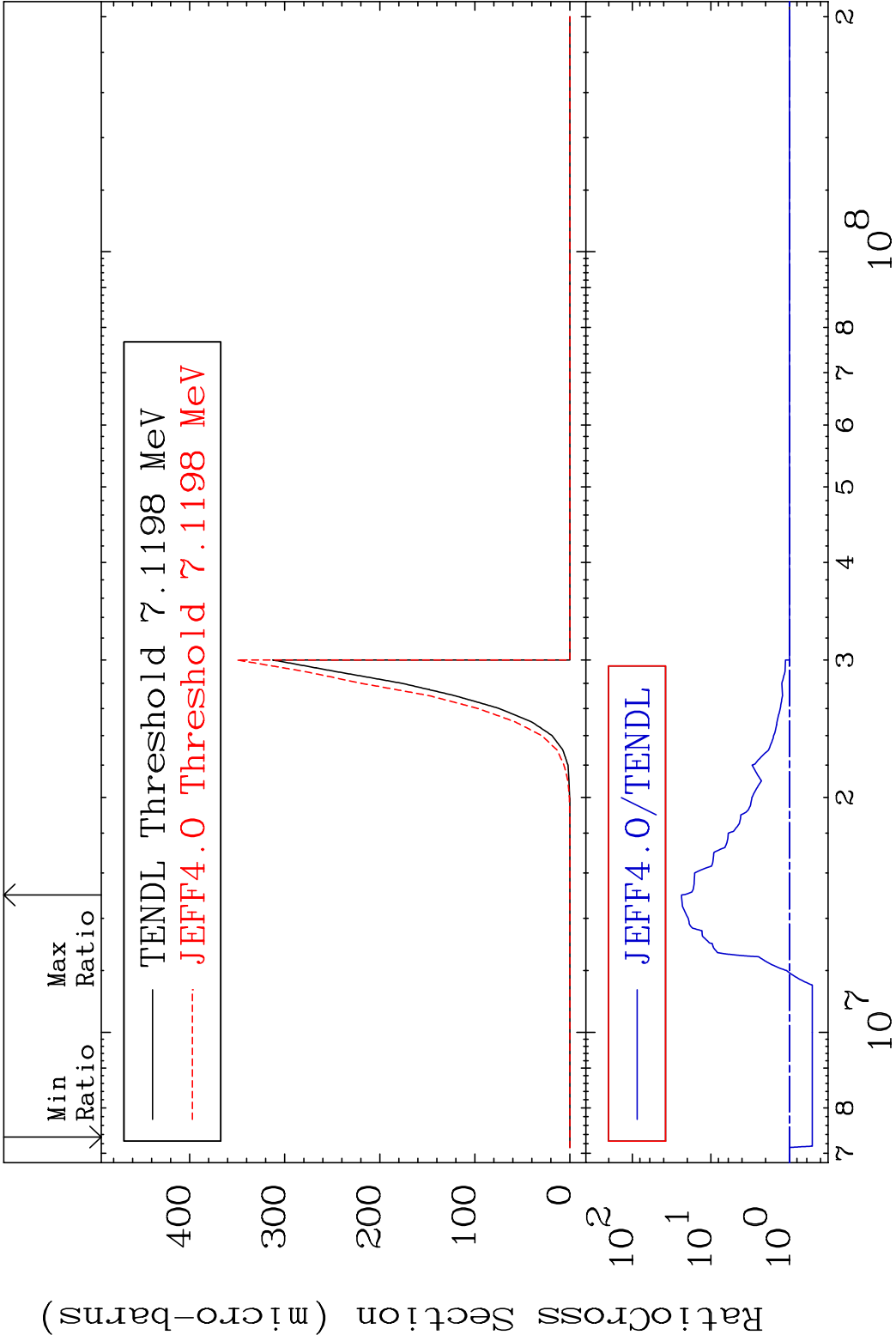




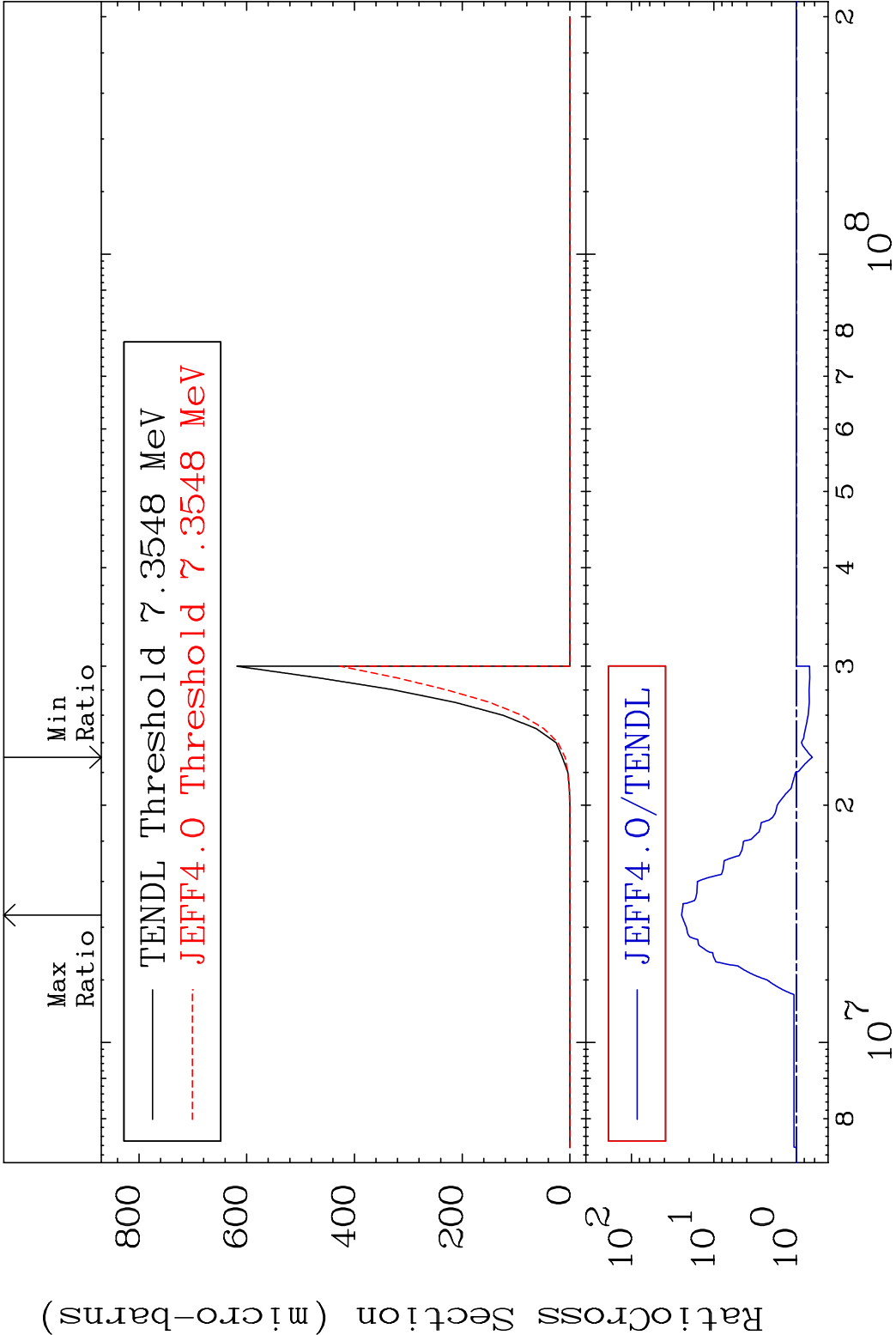




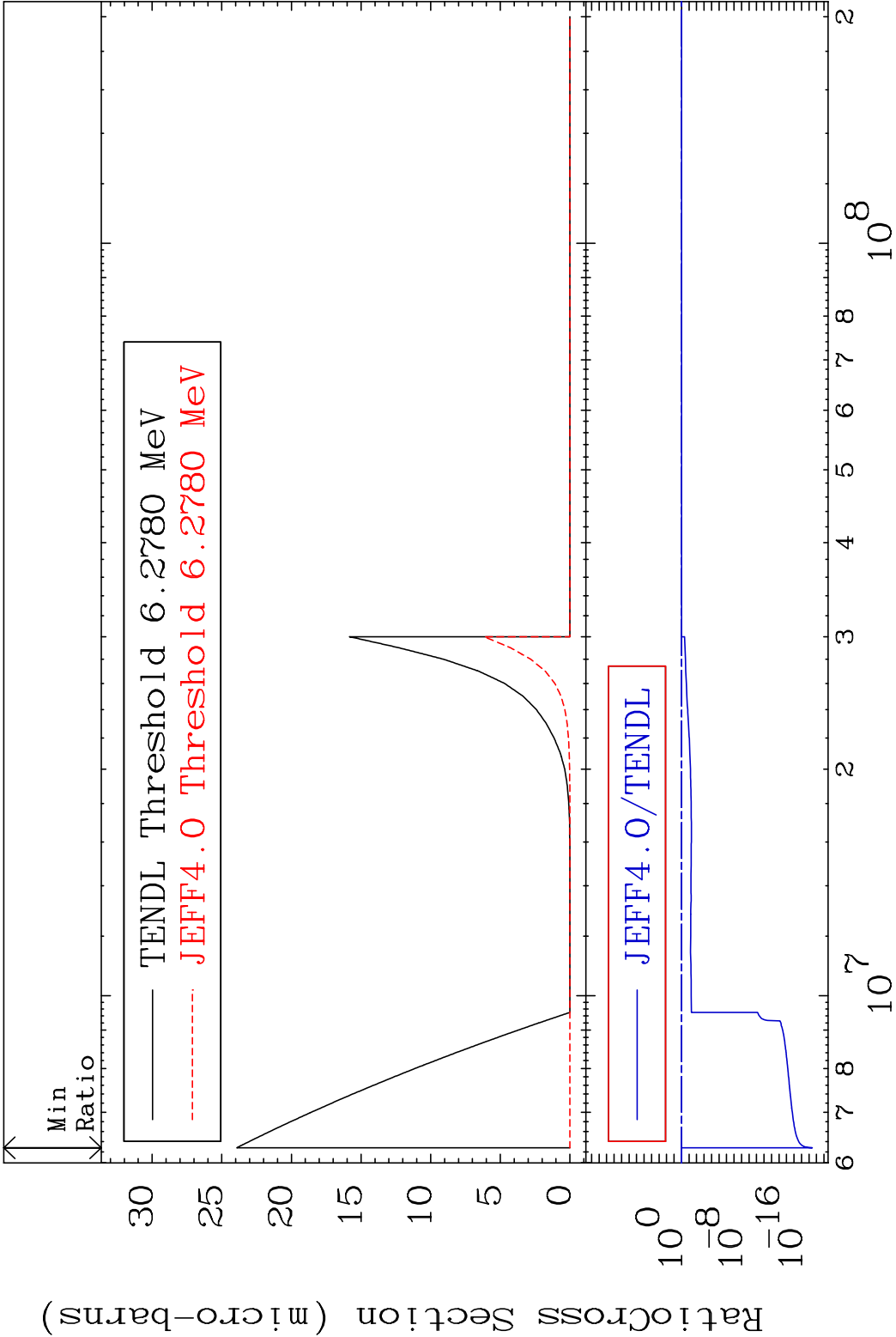


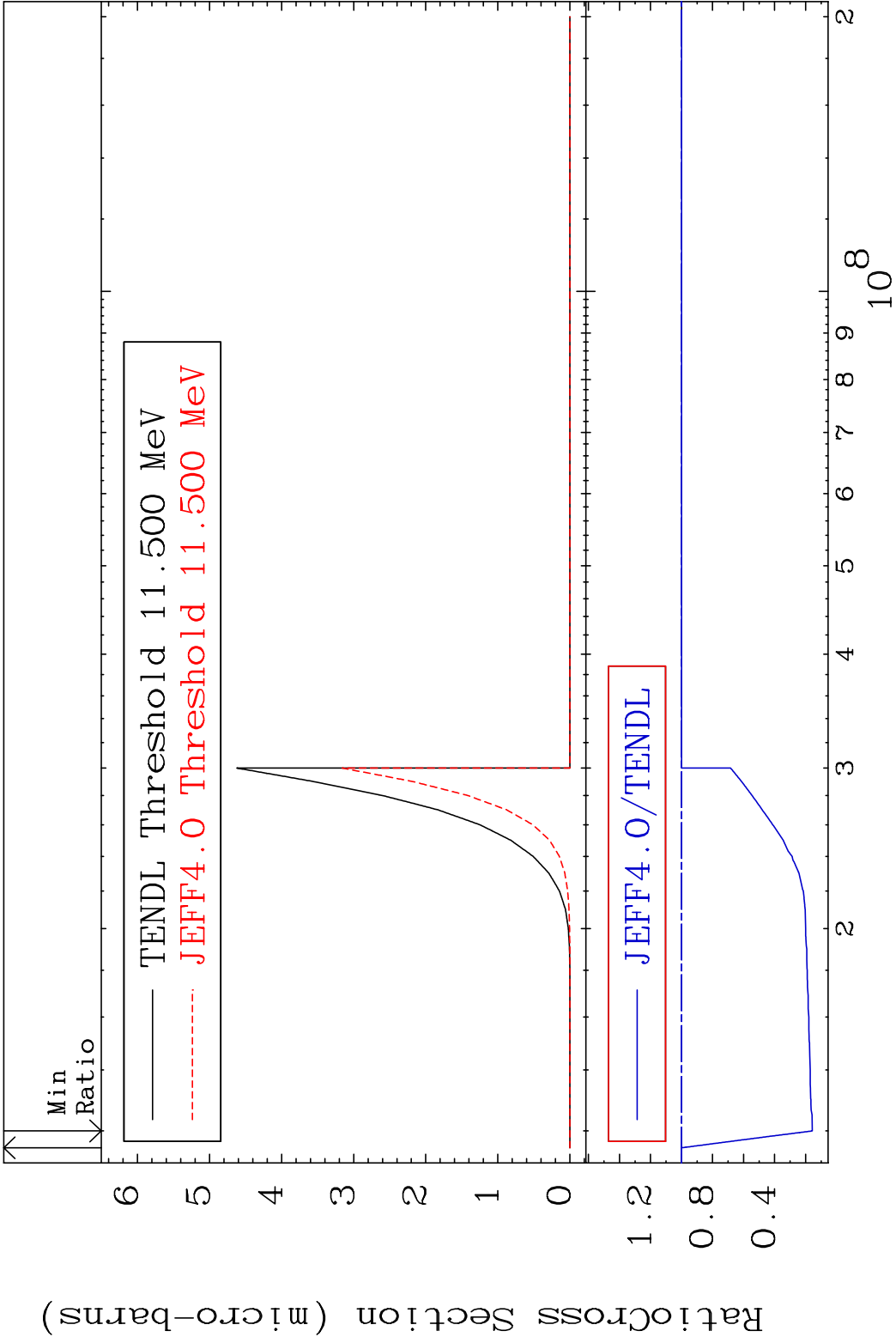


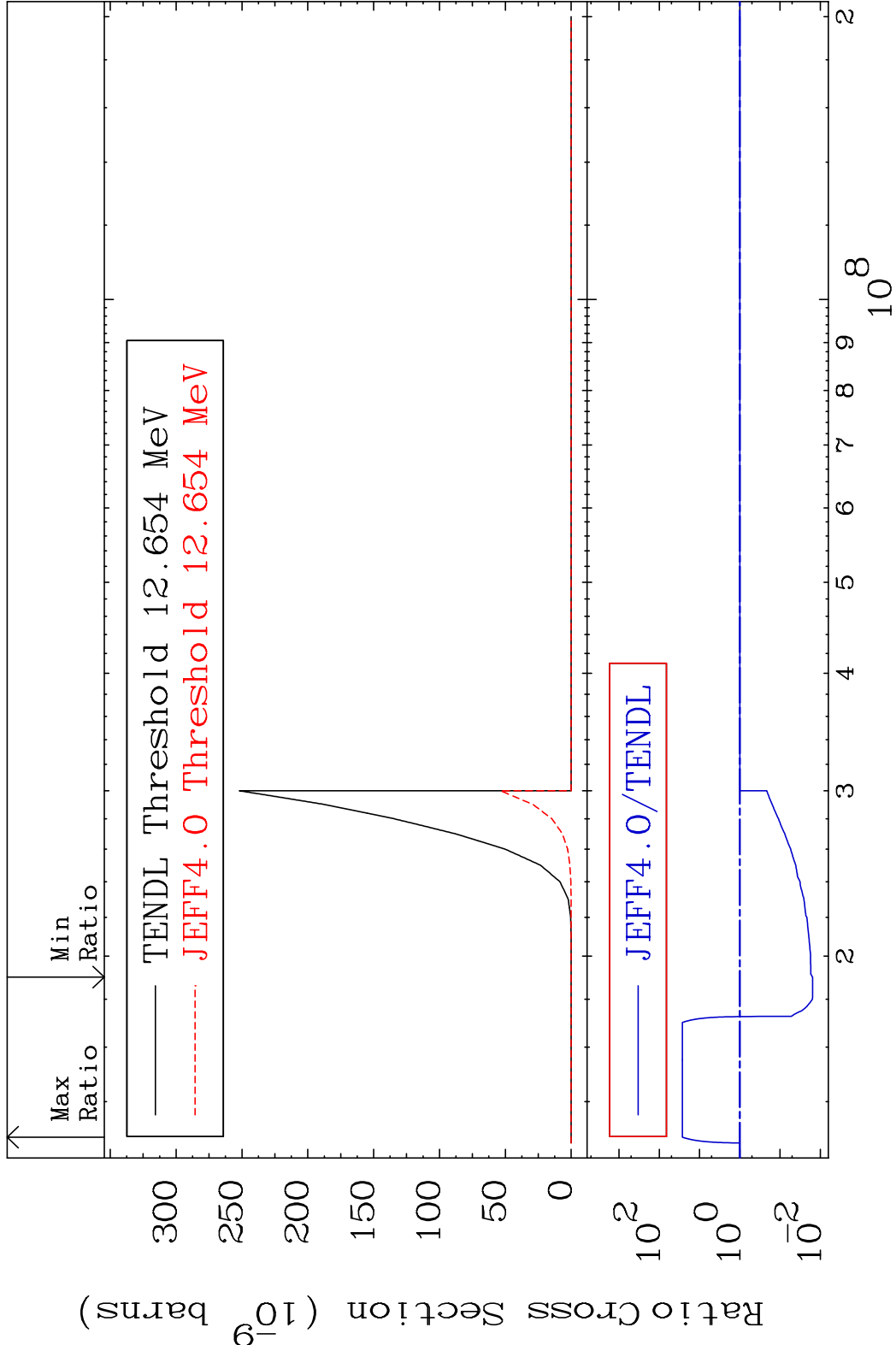
MAT 5640 (n,He-3):54-Xe-133m1 56-Ba-135
Radionuclide Production Cross Section to 2370. %



100 Incident Energy (eV) 56-Ba-135







Radionuclide Production Cross-sections 5434. %

