

Program Complot
(Version 2021-1)

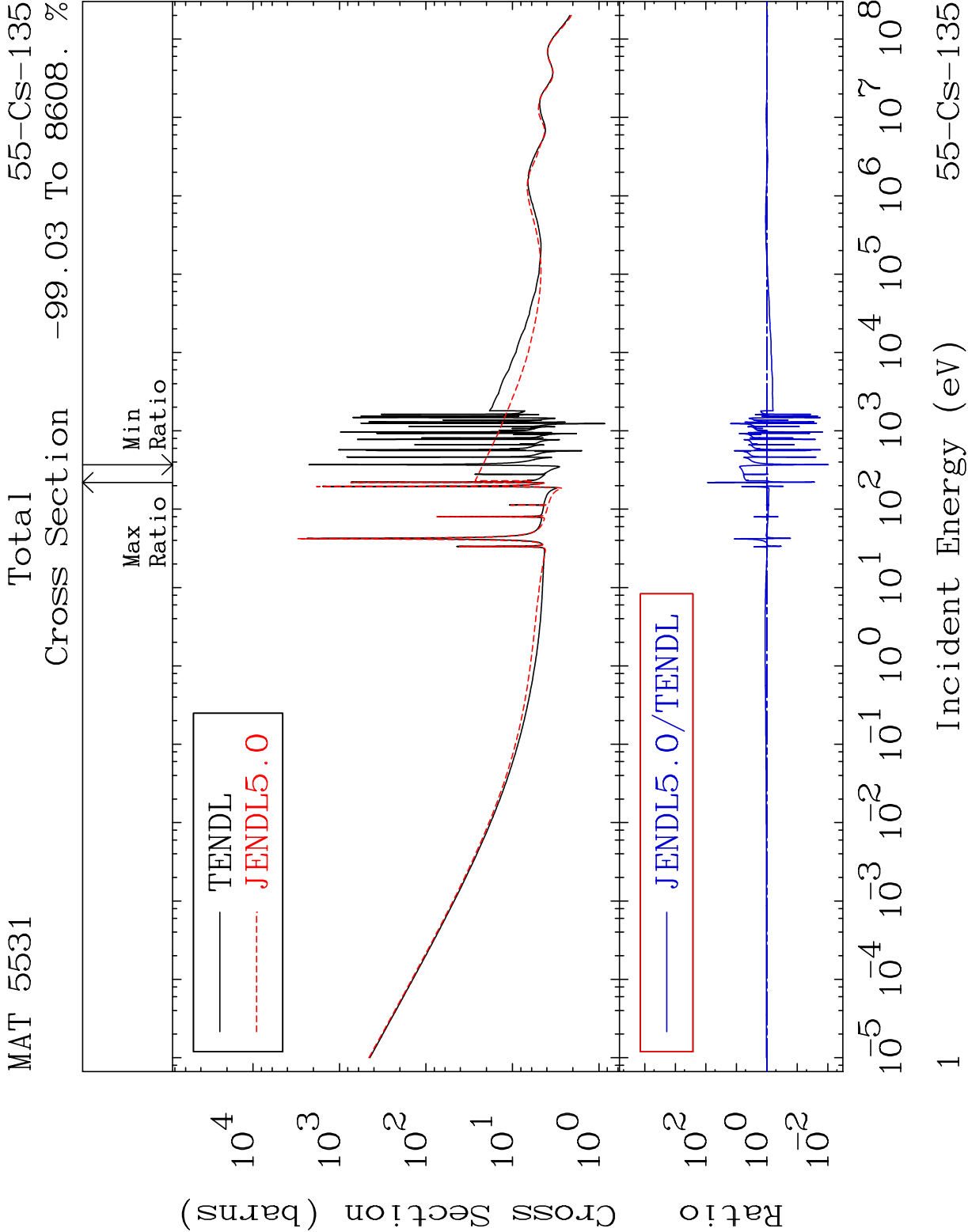
by

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Press Mouse Button to Start

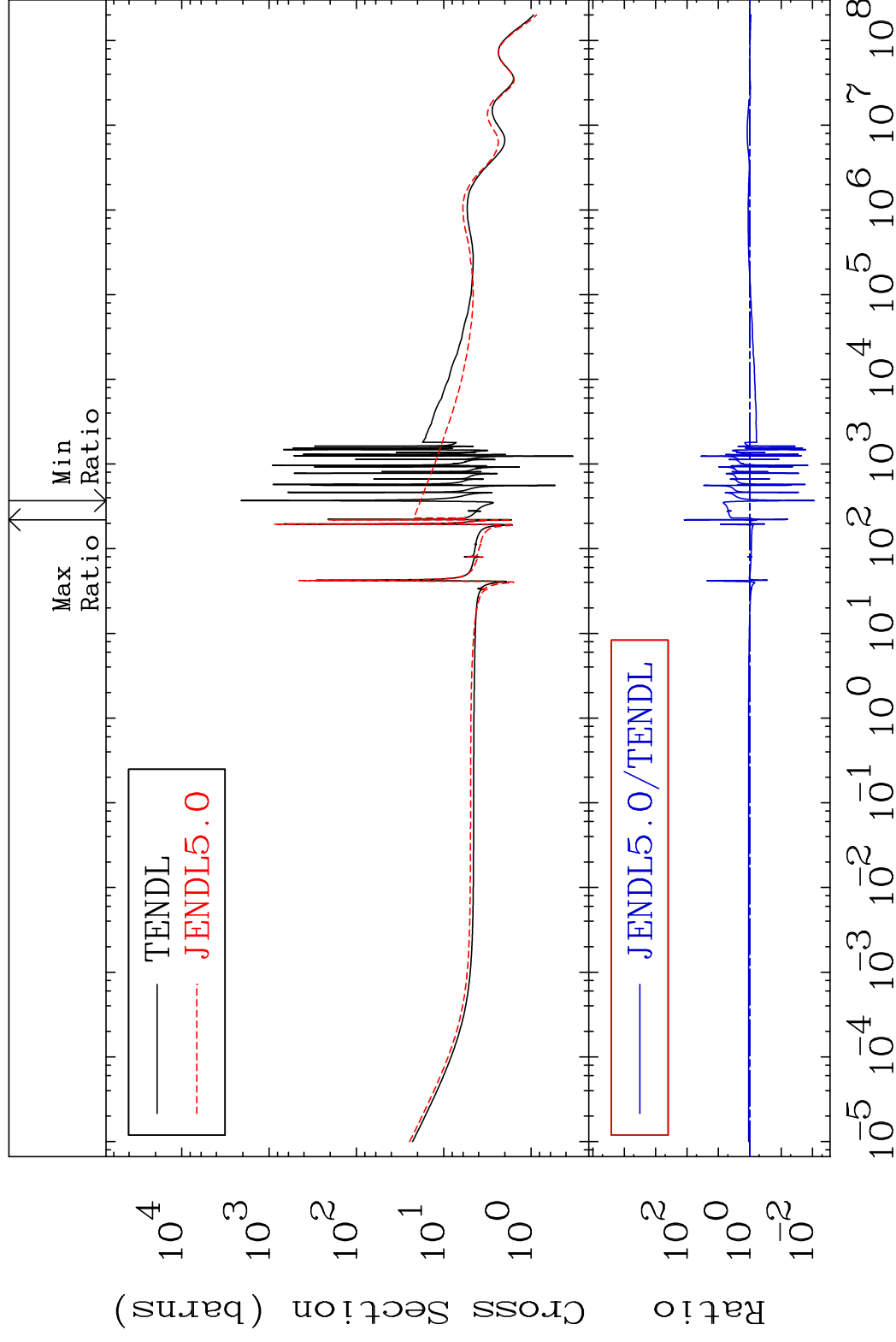


MAT 5531

Elastic

55-CS-135

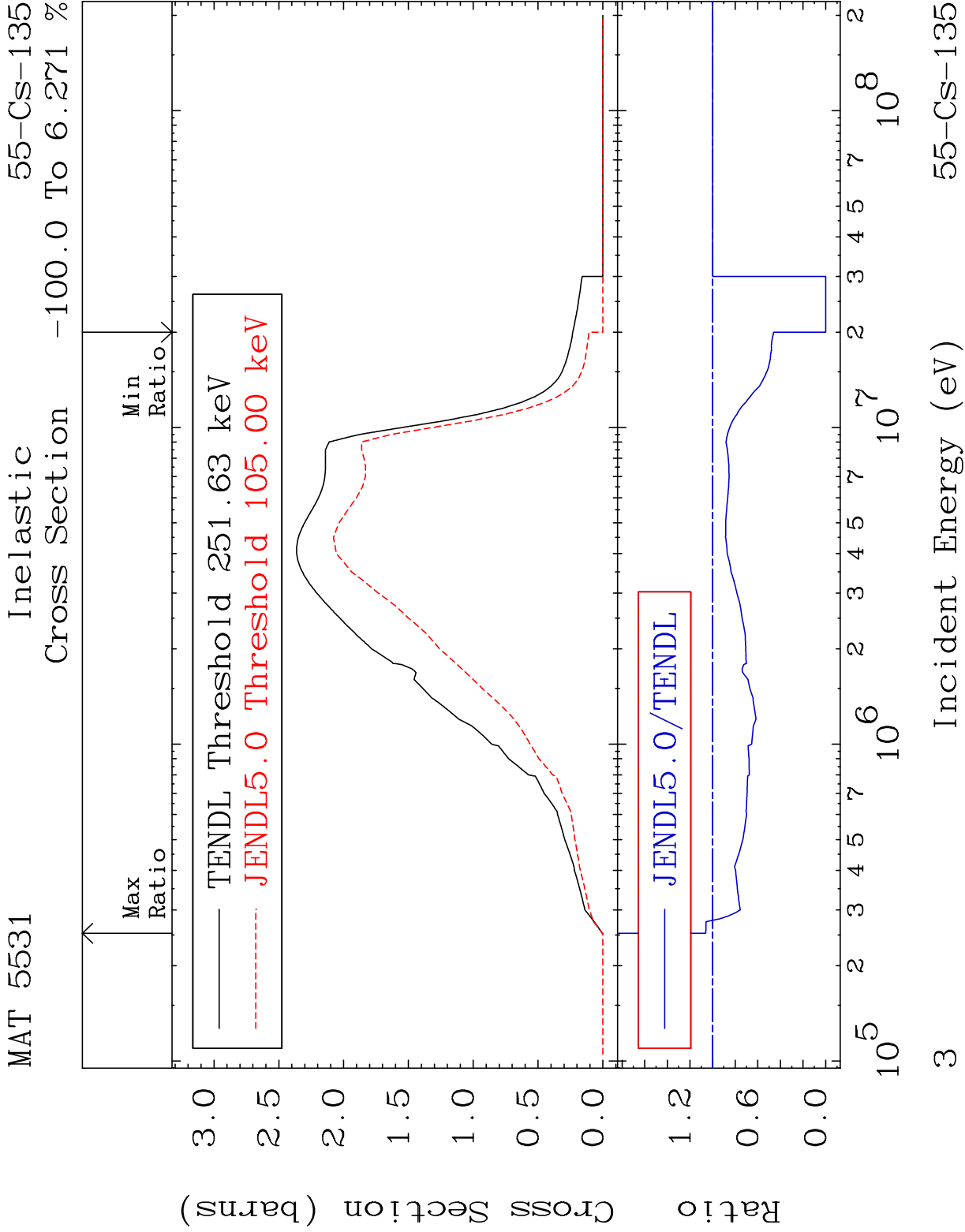
Cross Section -99.12 To 9999. %

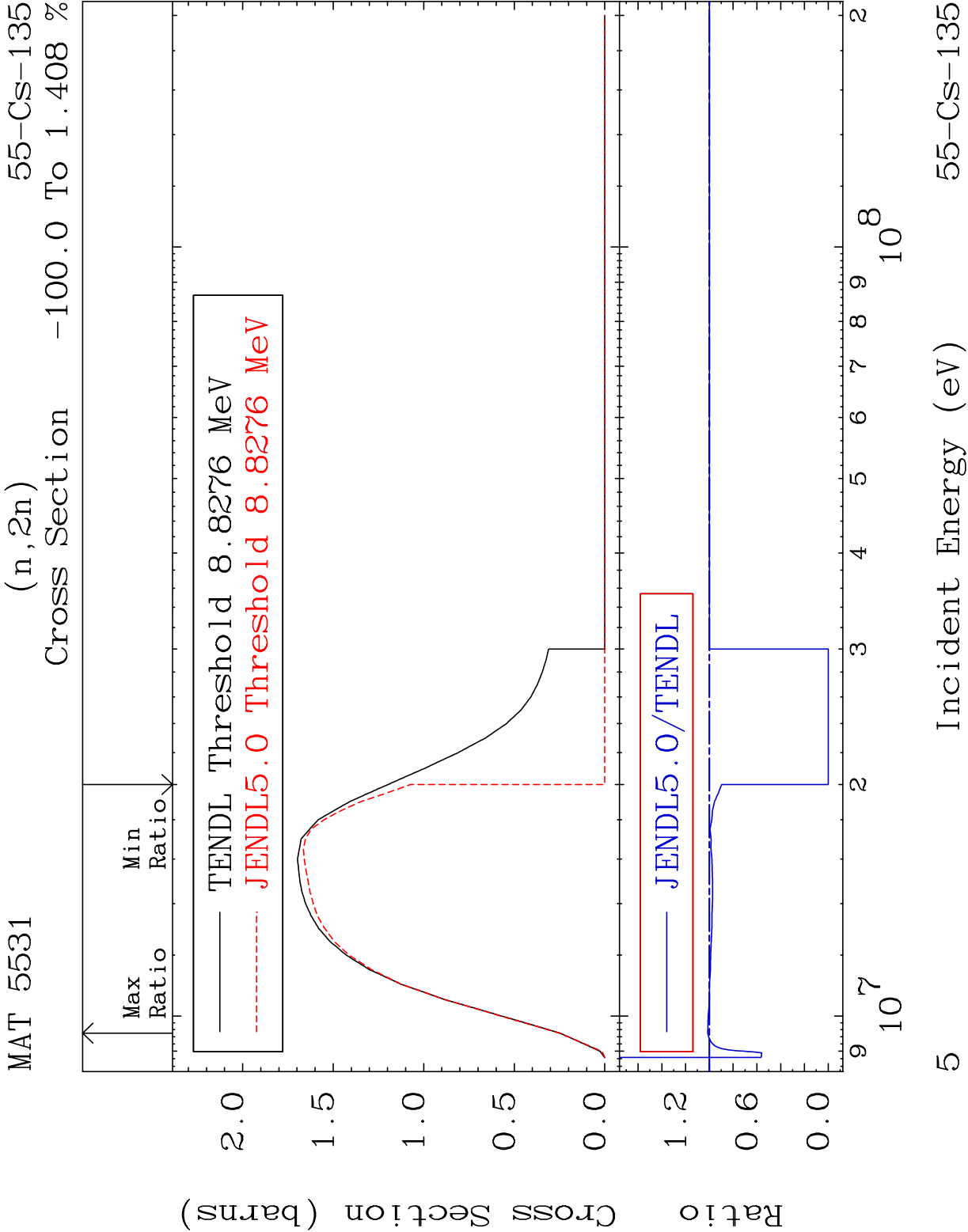


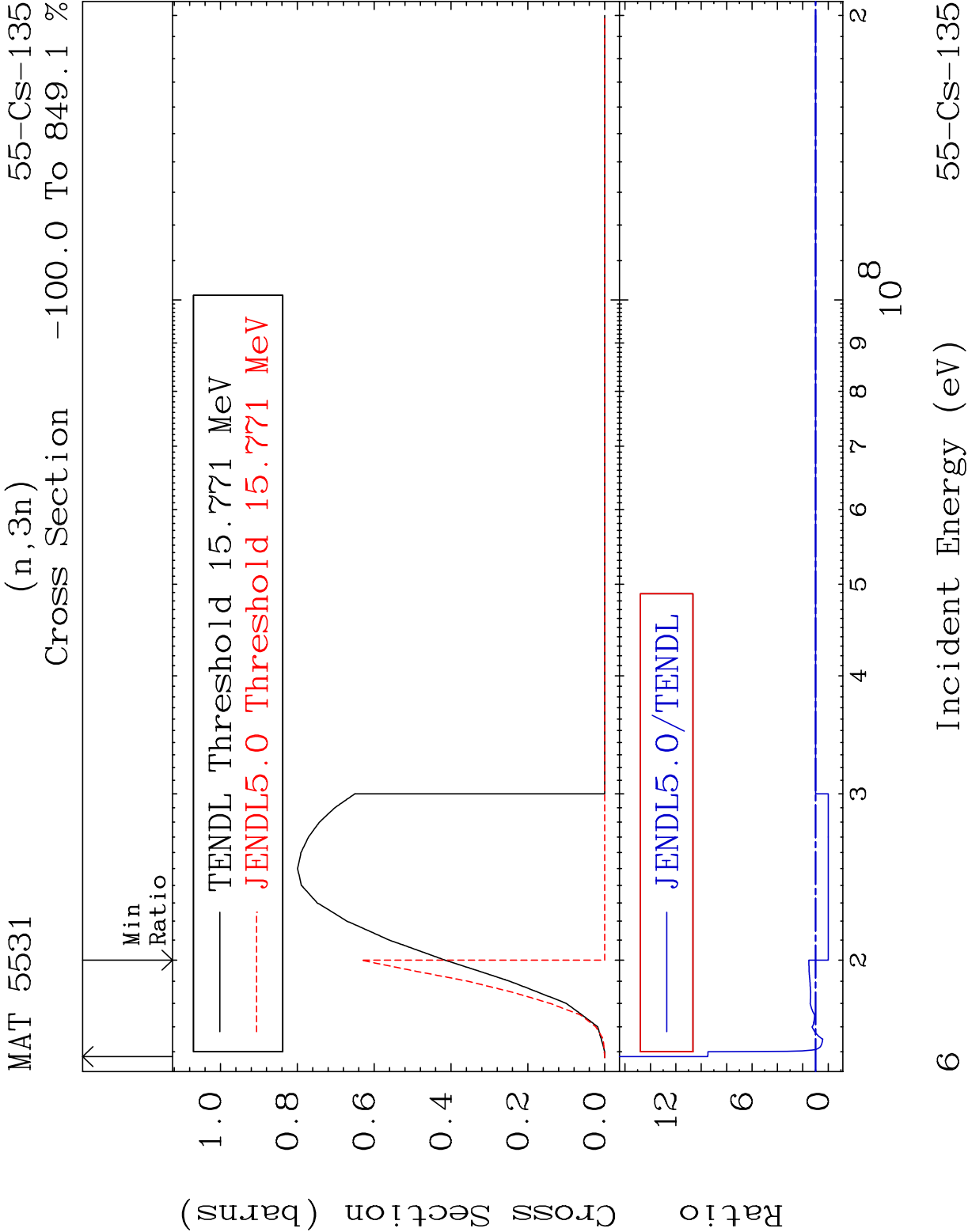
2

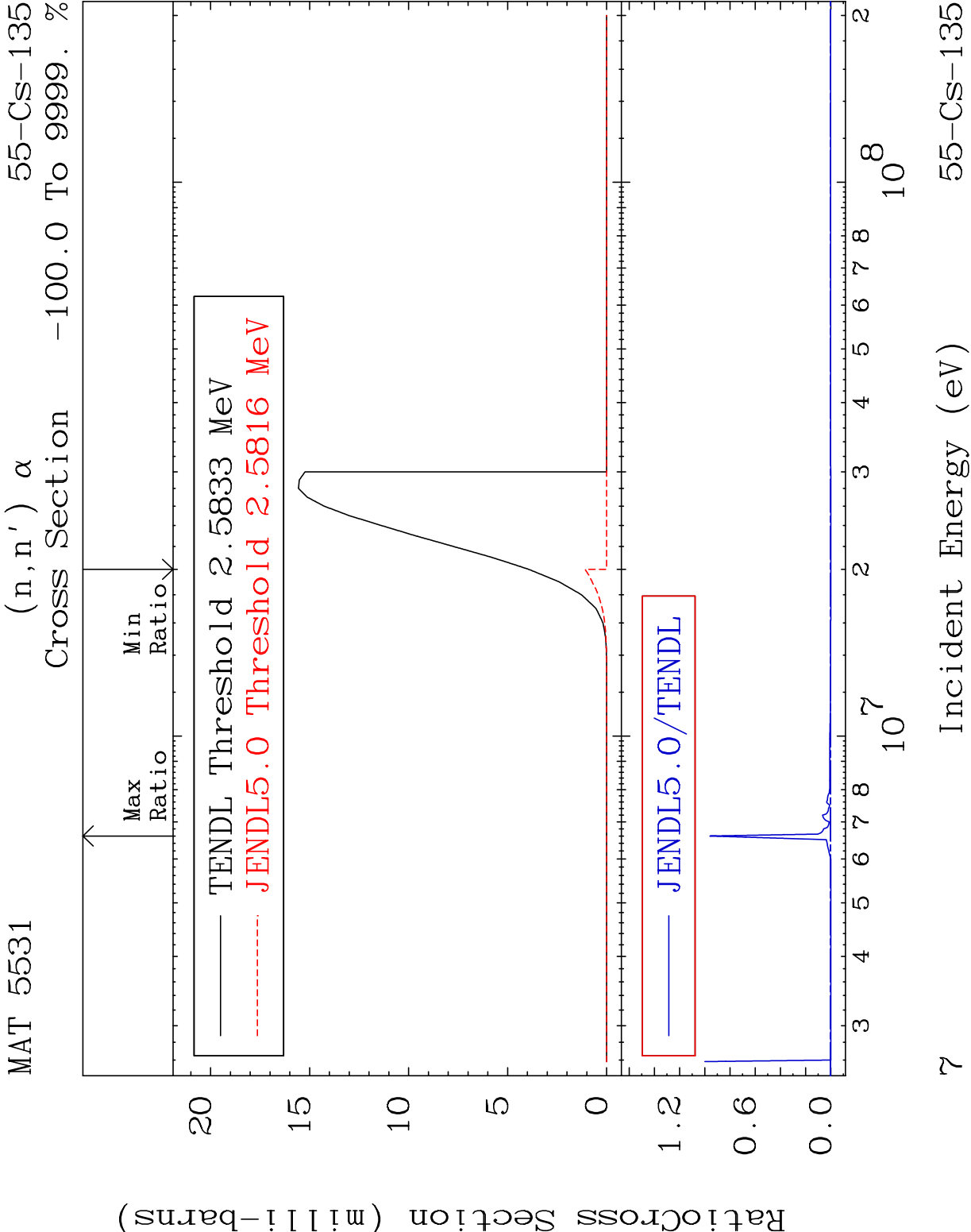
Incident Energy (eV)

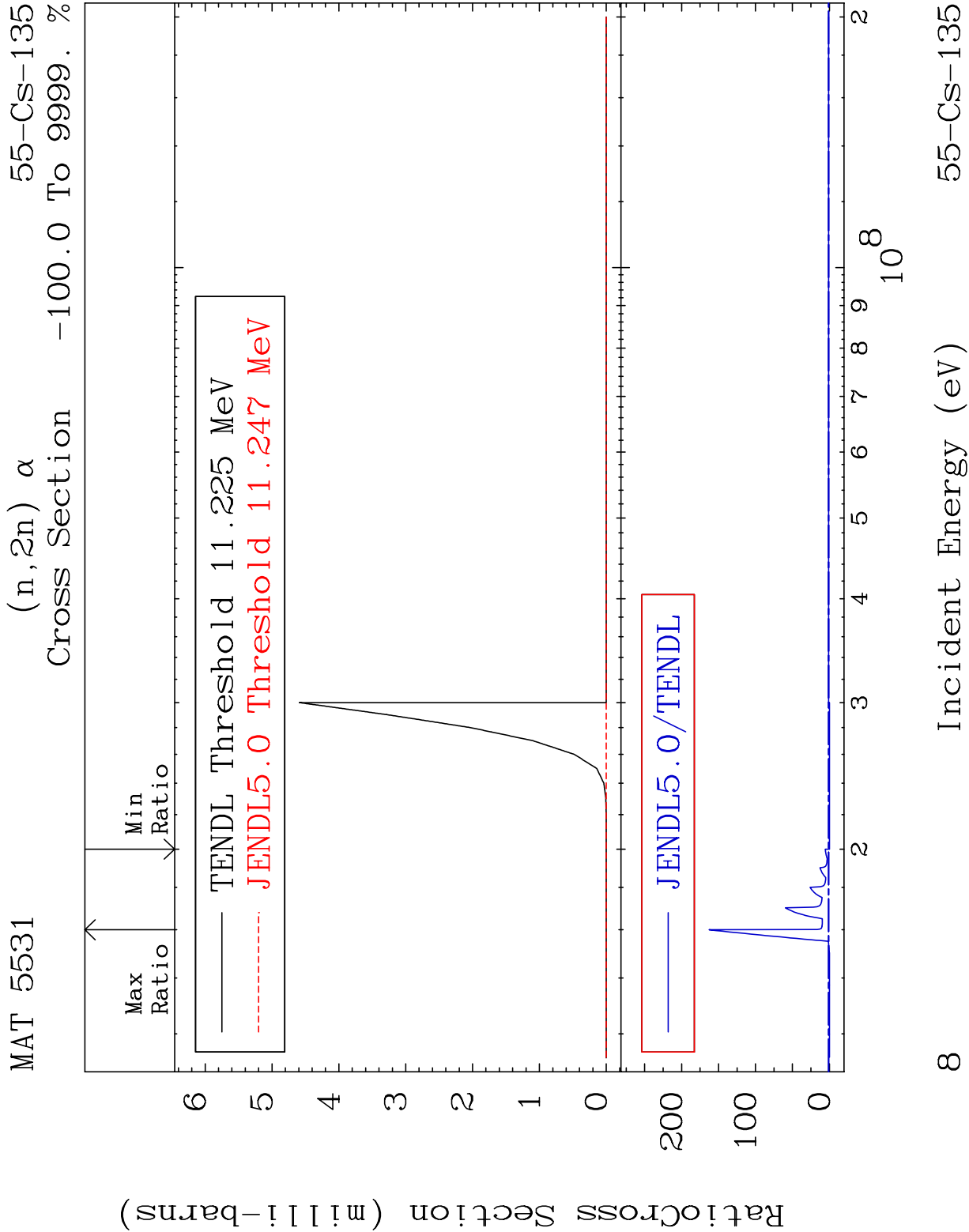
55-CS-135

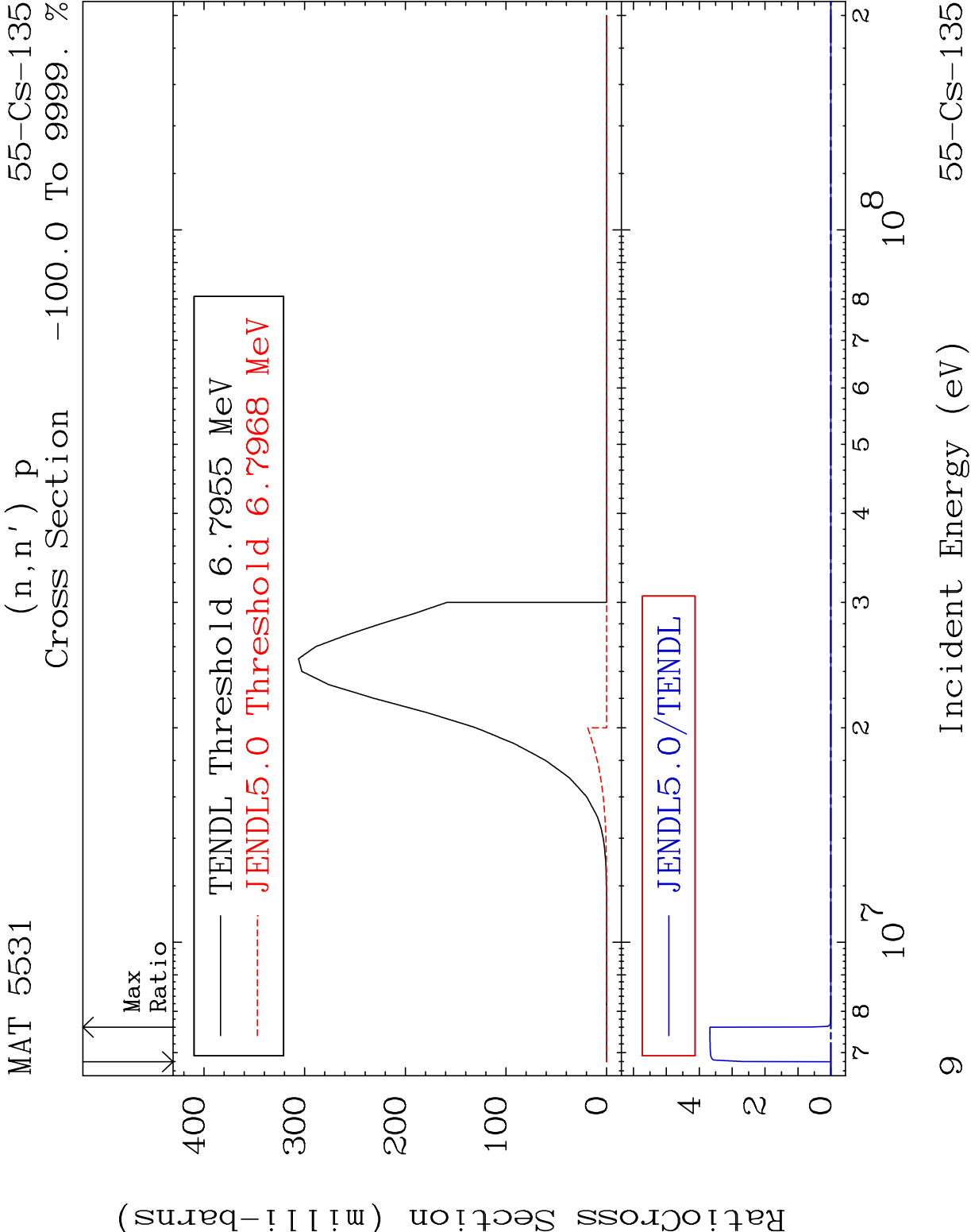


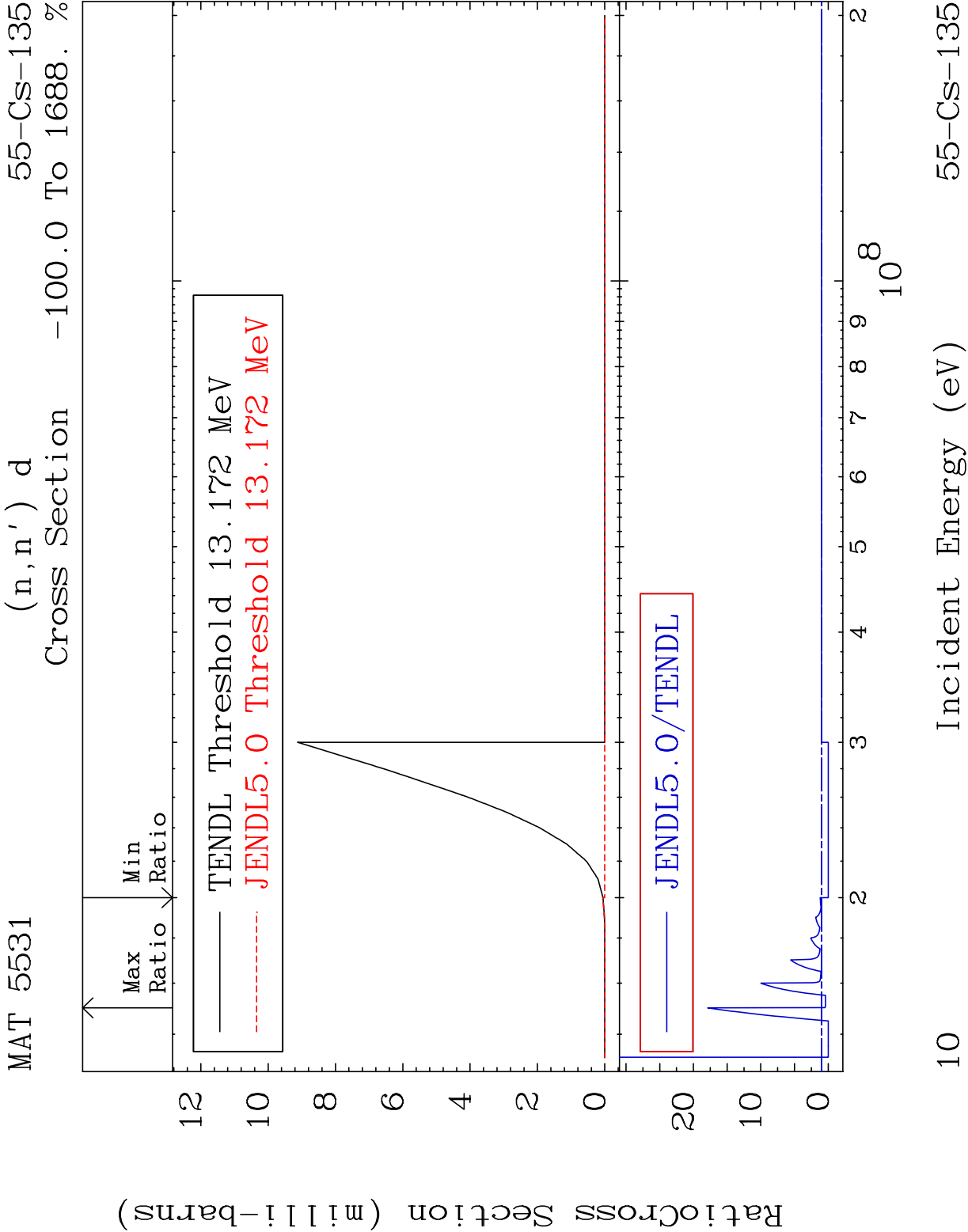








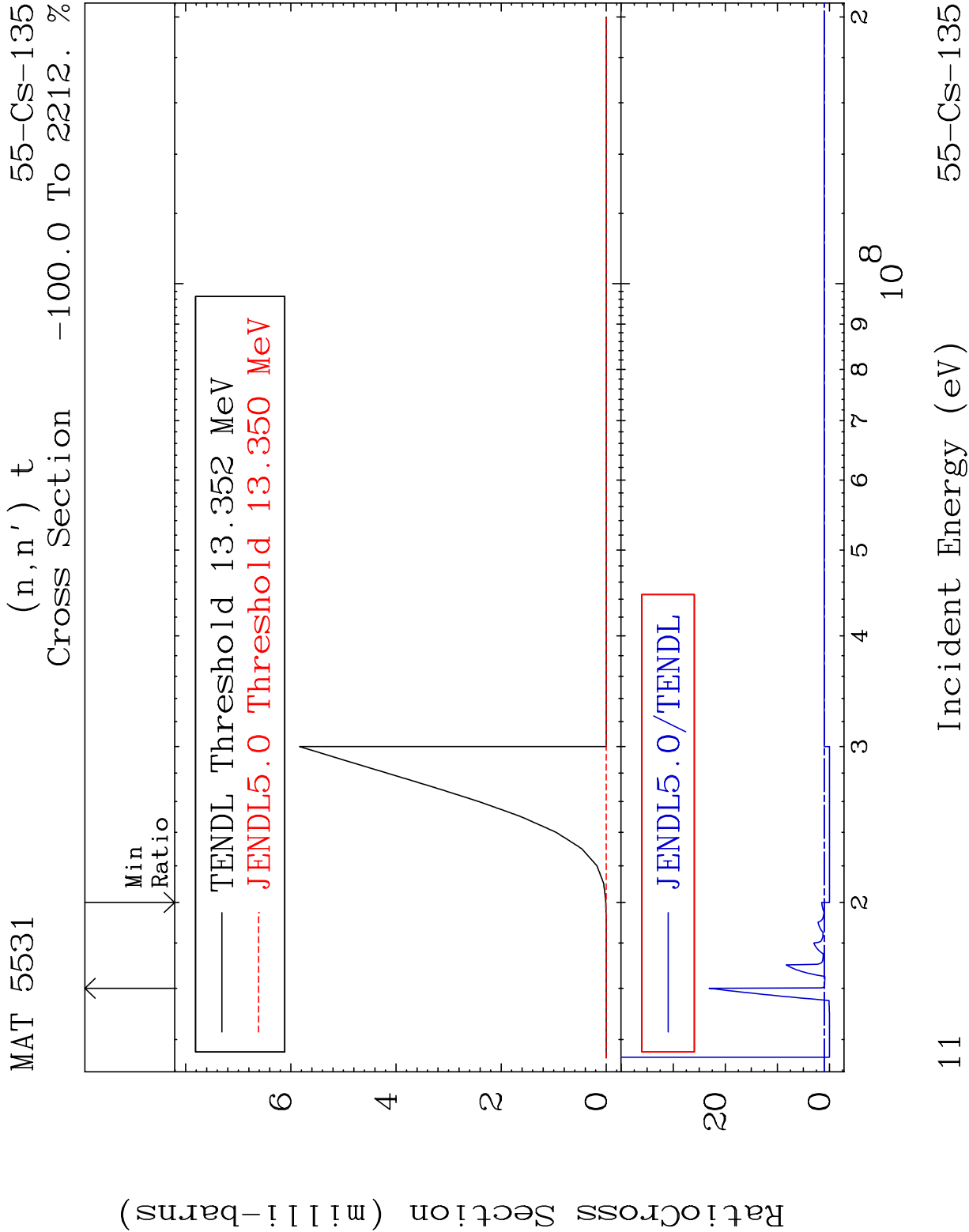




RatioCross Section (milli-barns)

TENDL Threshold 13.172 MeV
JENDL5.0 Threshold 13.172 MeV

JENDL5.0/TENDL

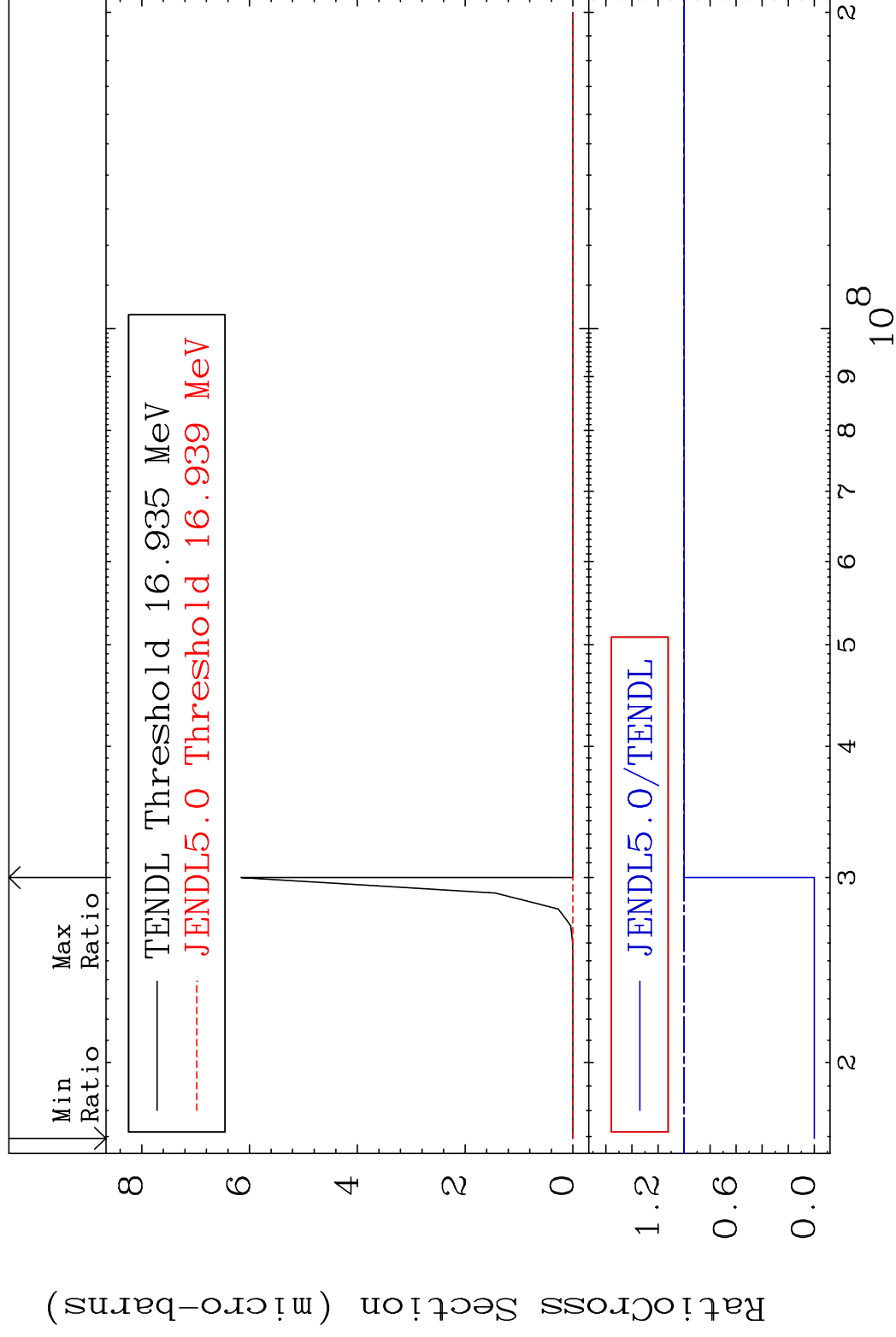


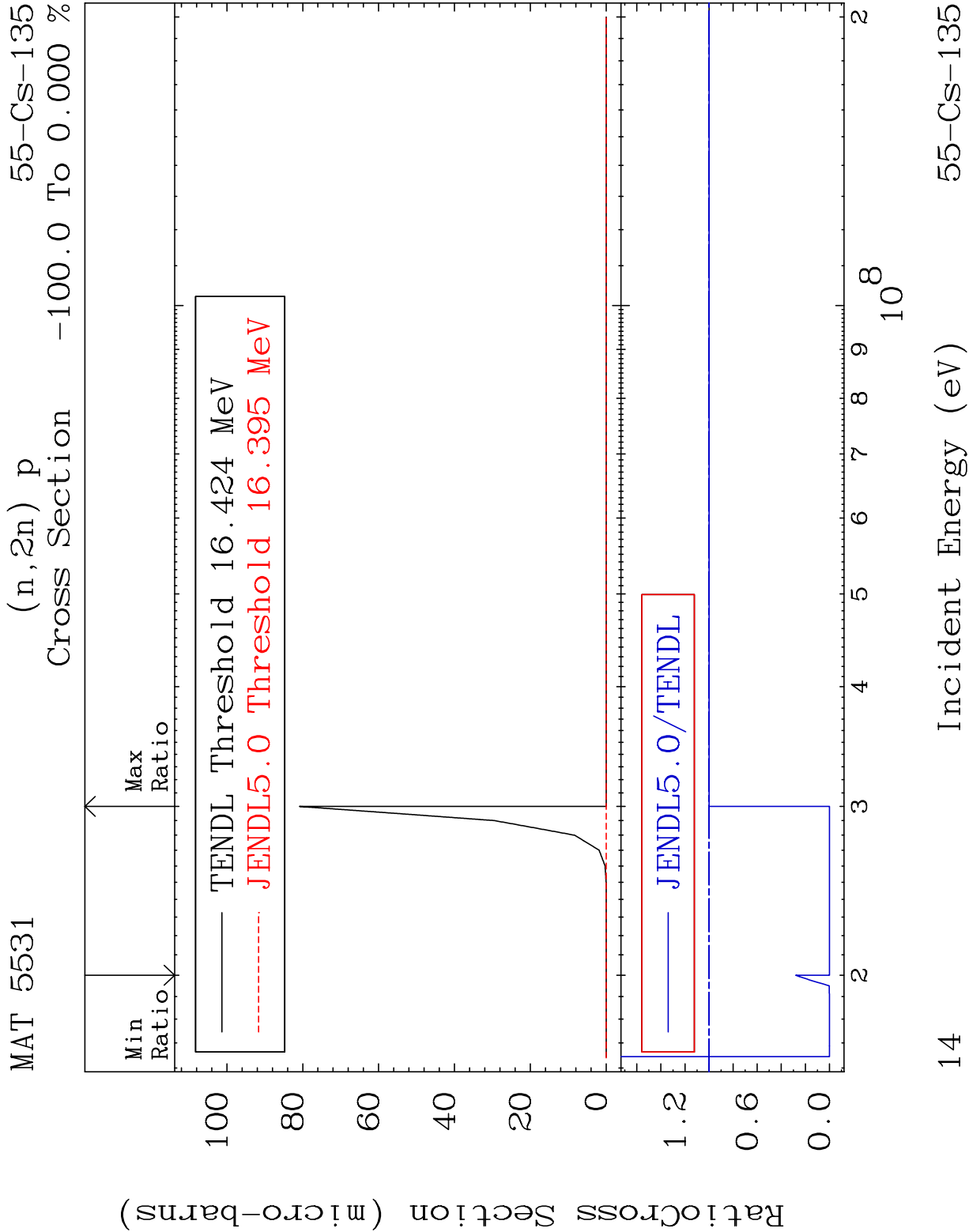
MAT 5531

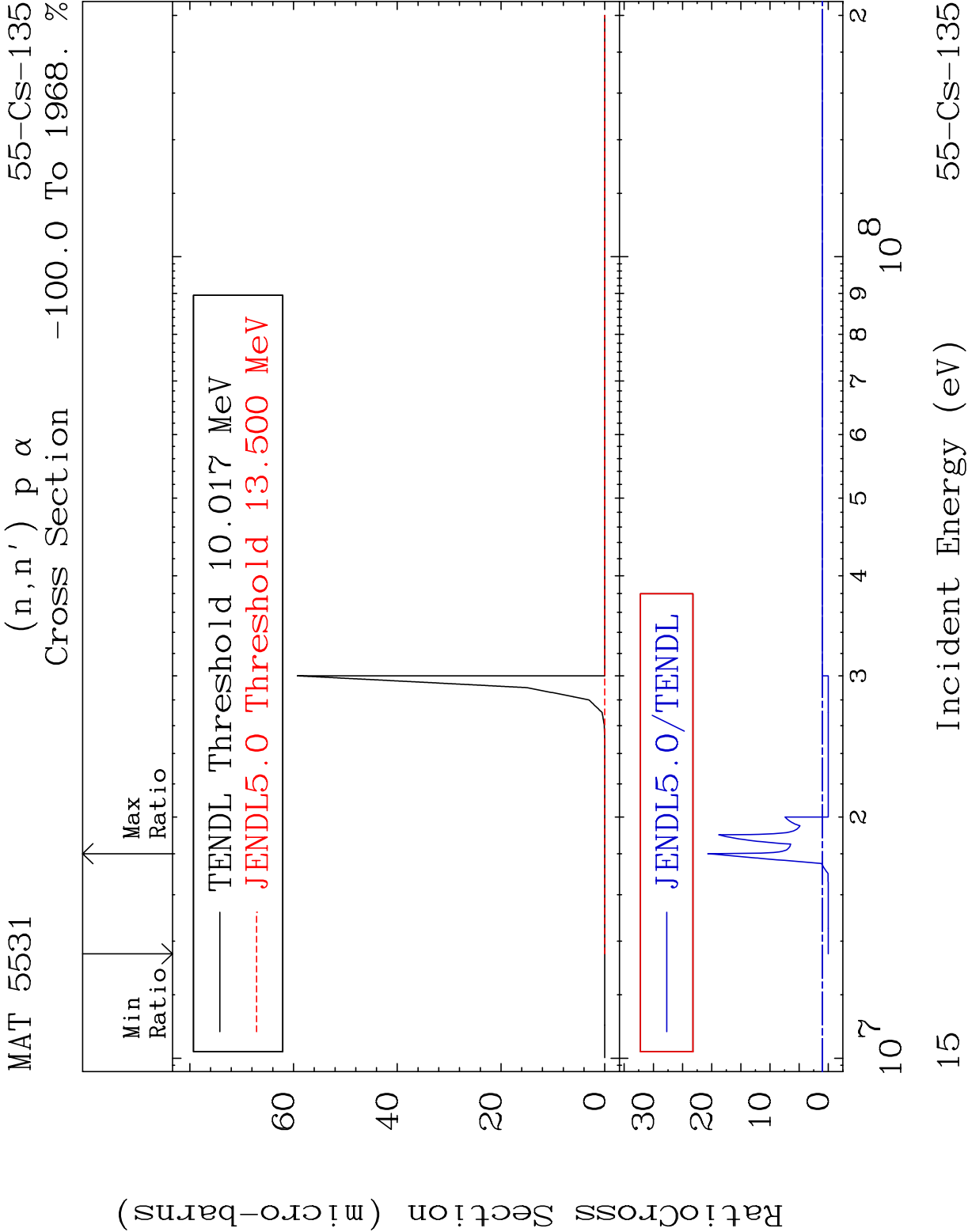
 $(n, n') \text{ He-3}$

55-CS-135

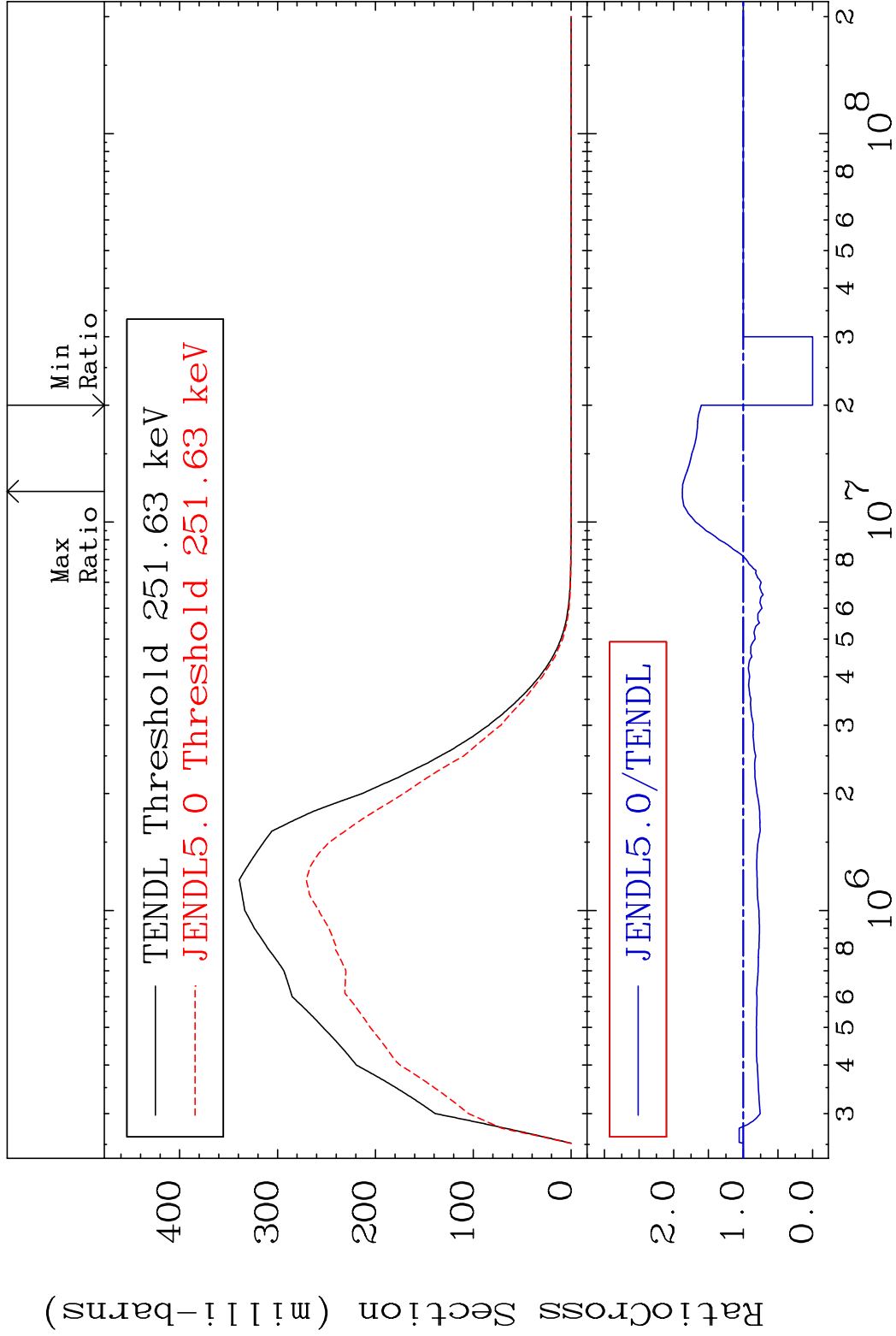
Cross Section





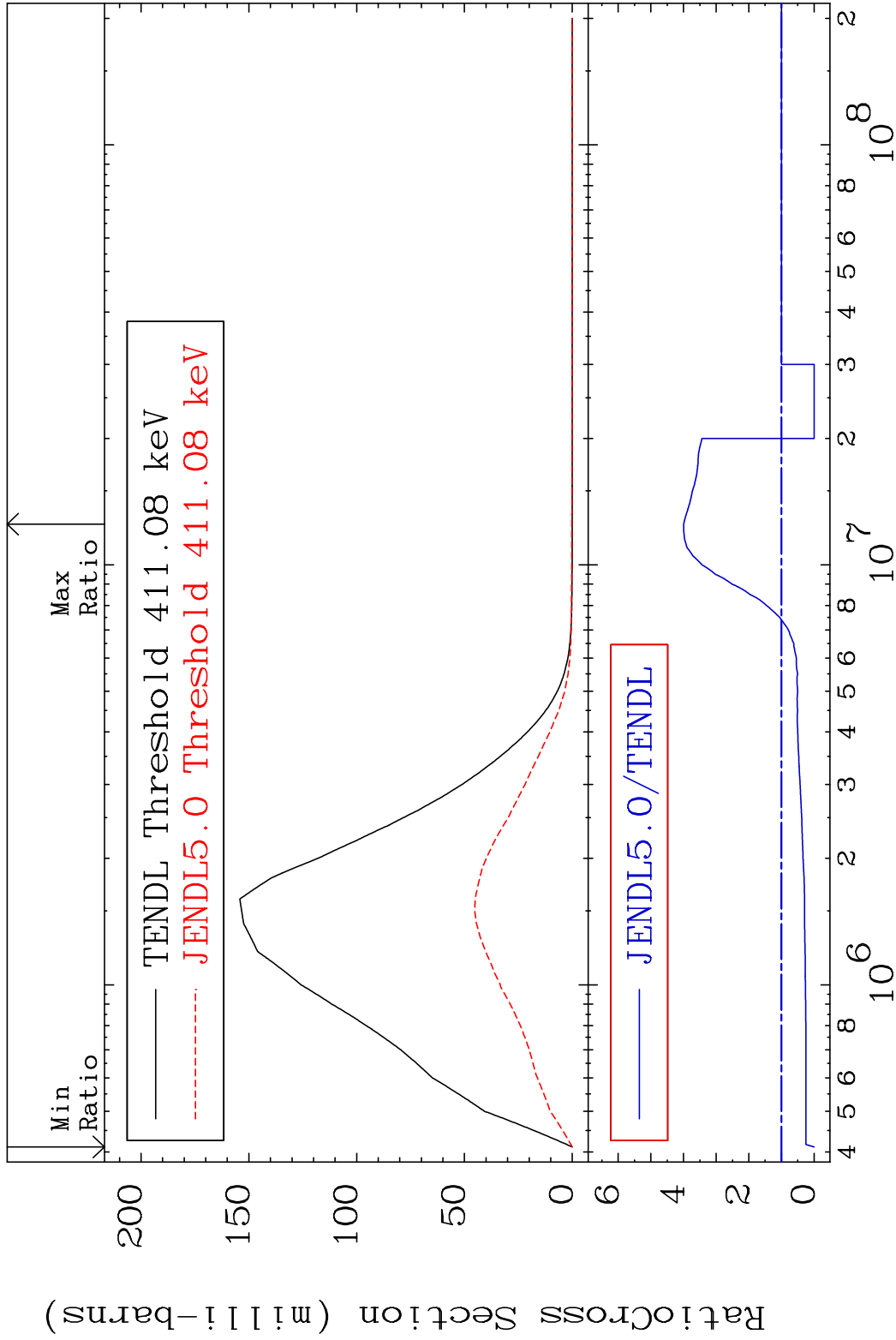


MAT 5531 MT= 51 (n,n') Level 55-Cs-135
Cross Section -100.0 To 87.69 %



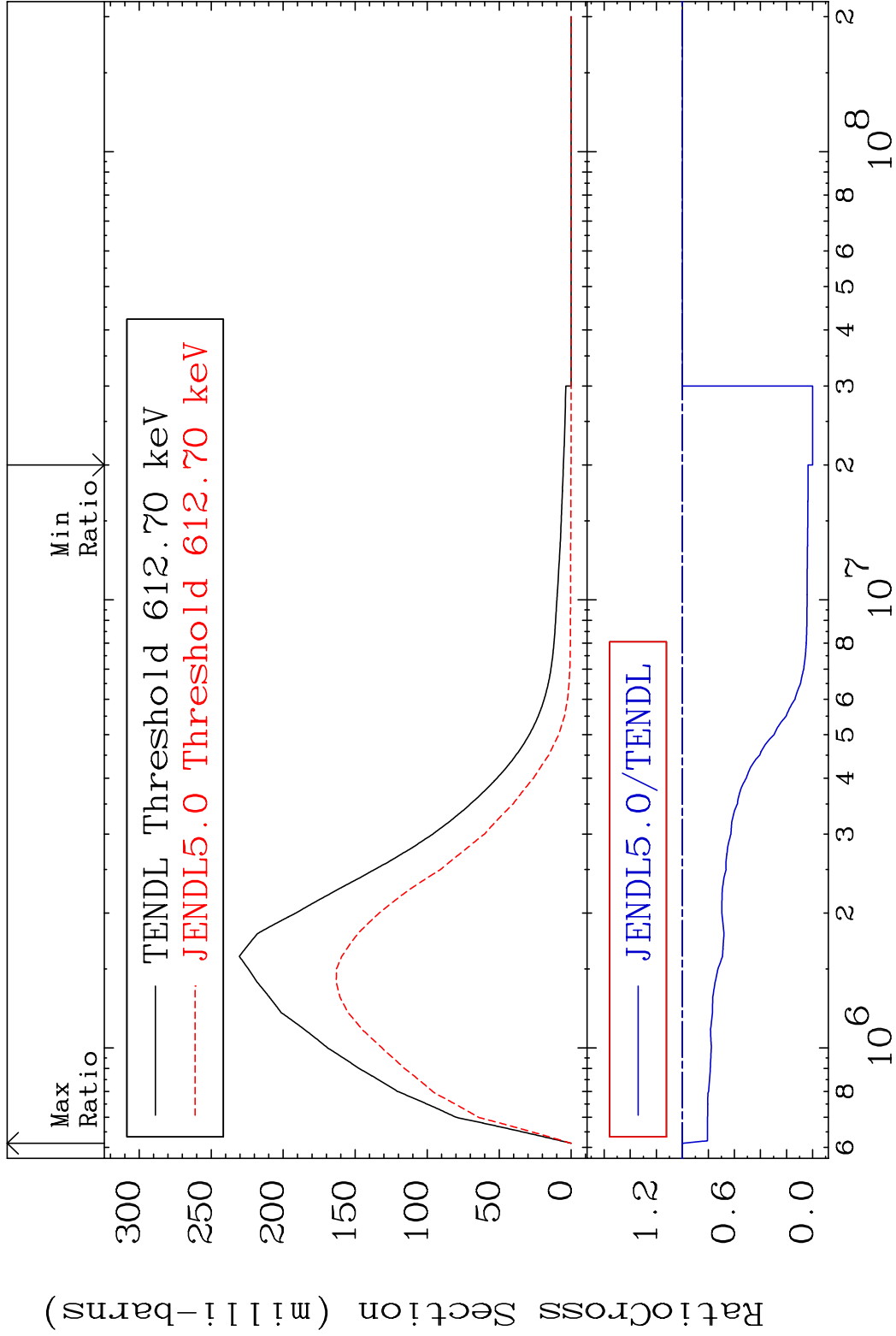
MAT 5531 MT= 52 (n,n') Level 55-Cs-135

Cross Section -100.0 To 299.6 %

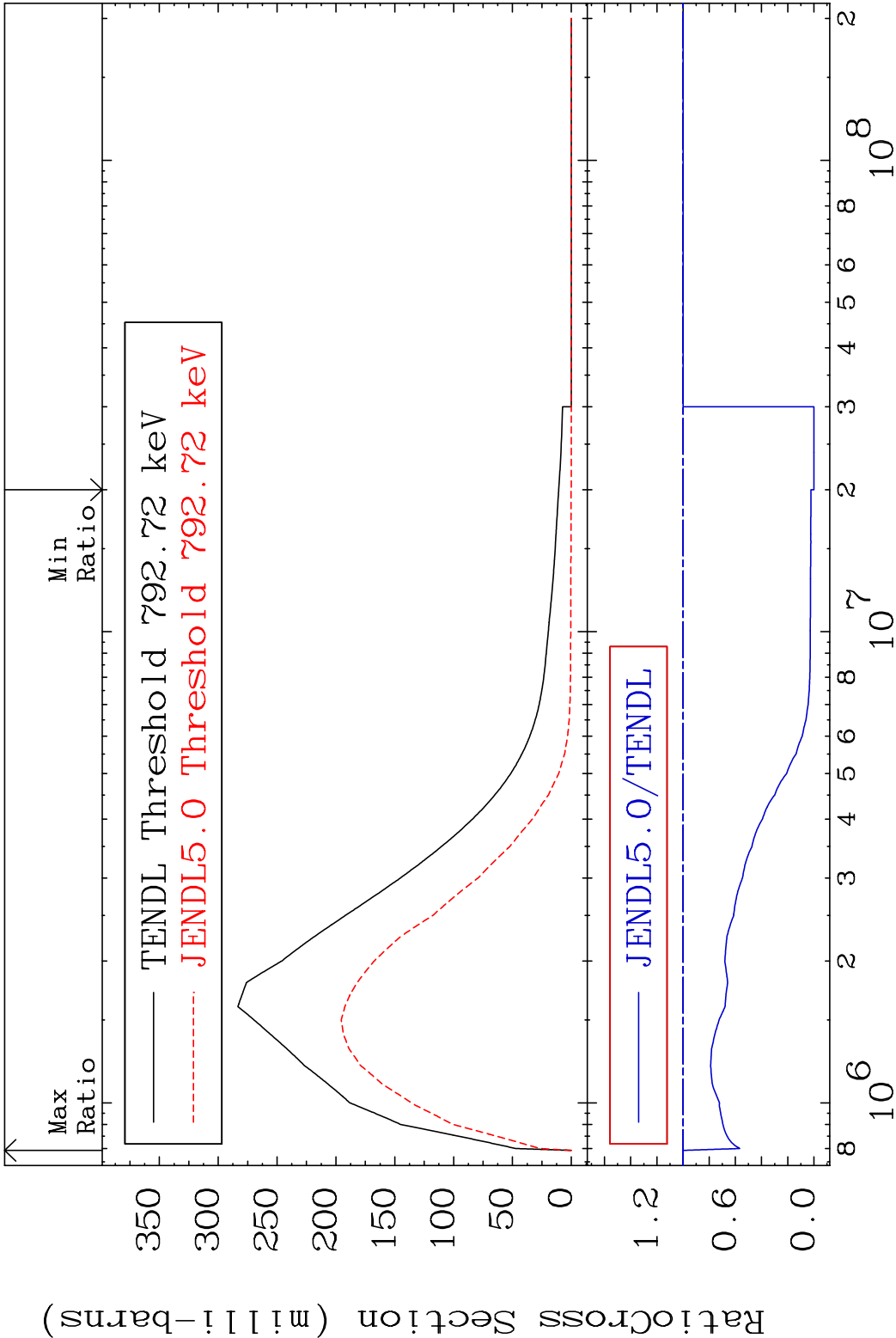


MAT 5531 MT= 53 (n,n') Level 55-Cs-135

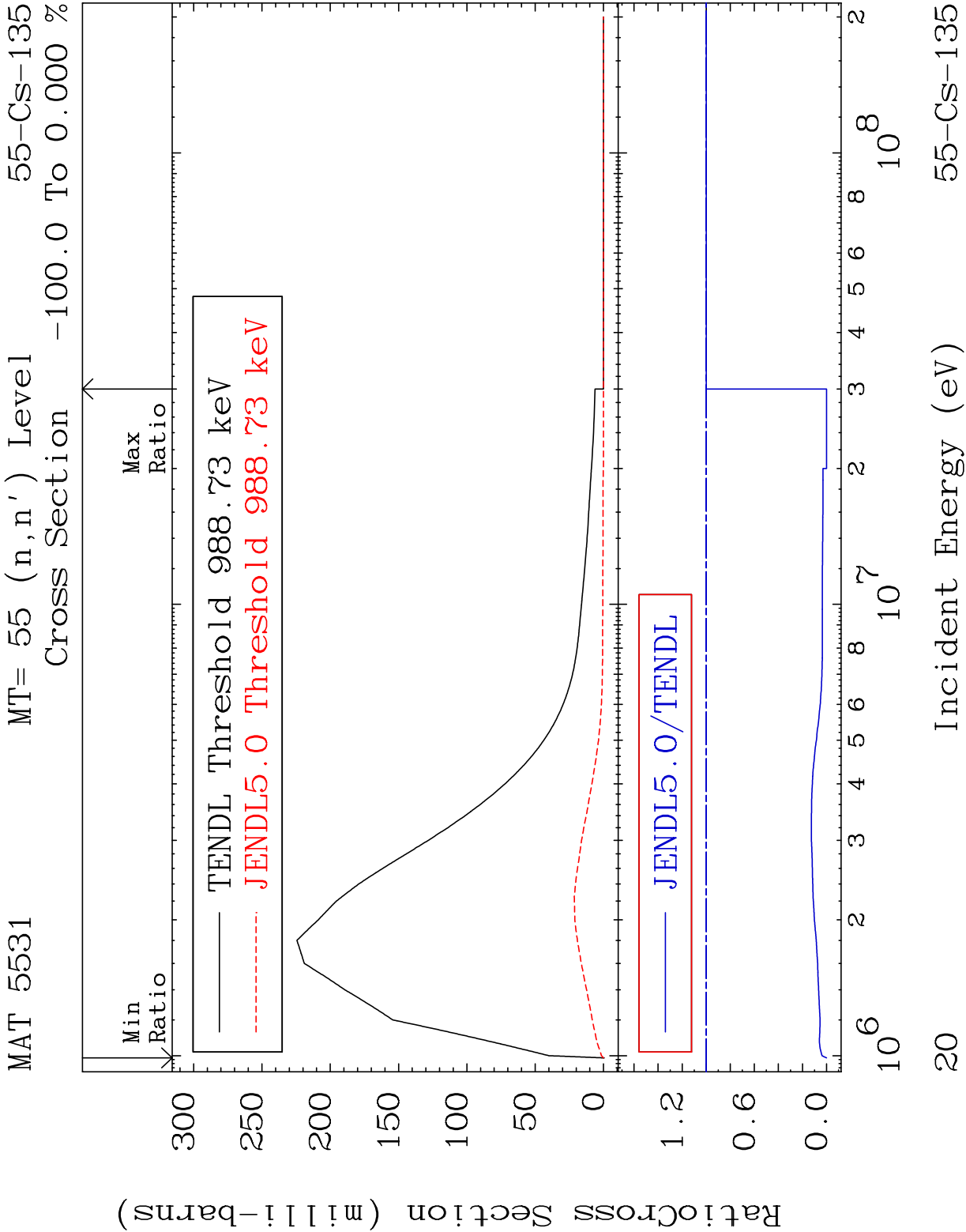
Cross Section -100.0 To 0.000 %



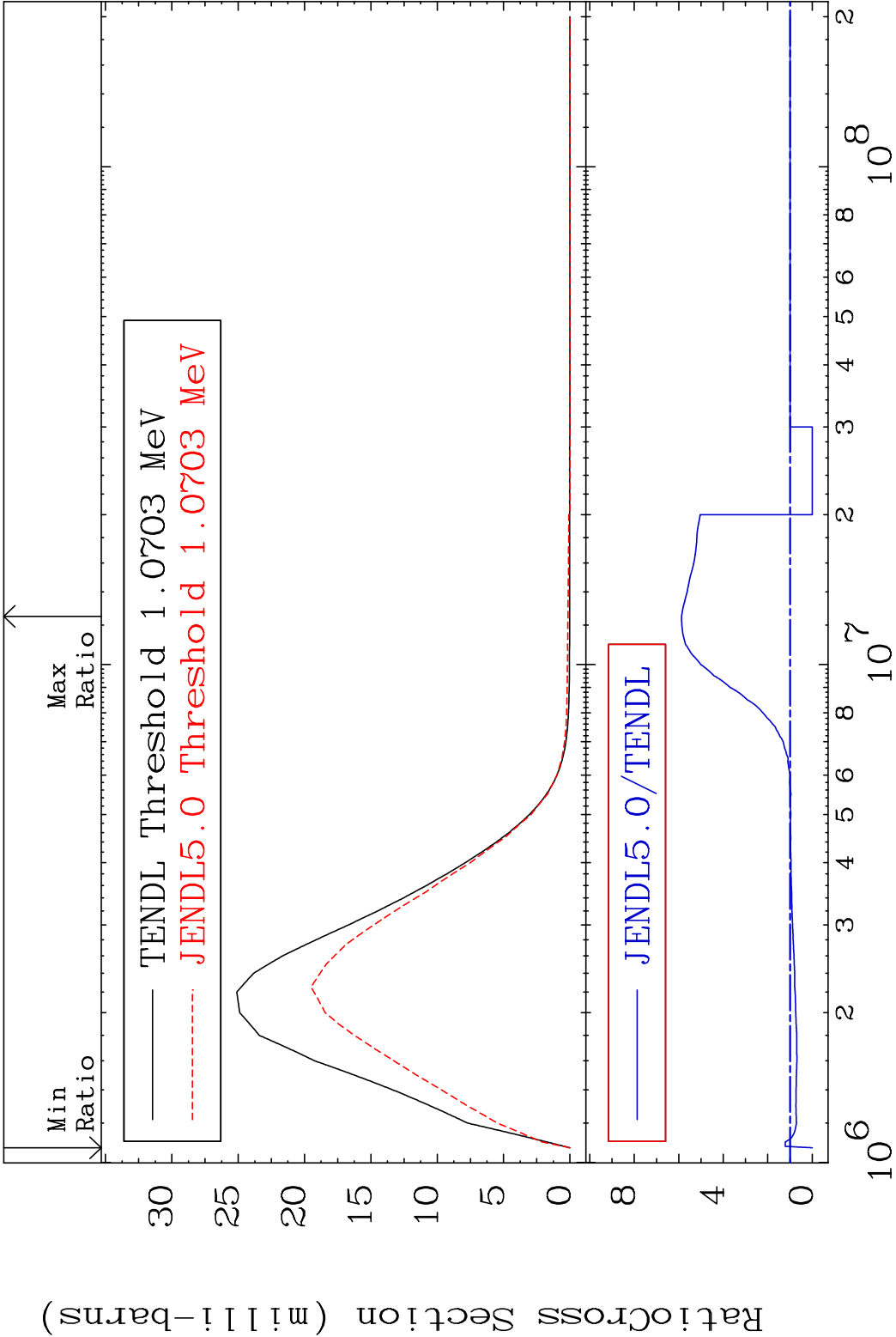
MAT 5531 MT= 54 (n,n') Level 55-Cs-135
Cross Section -100.0 To 0.000 %

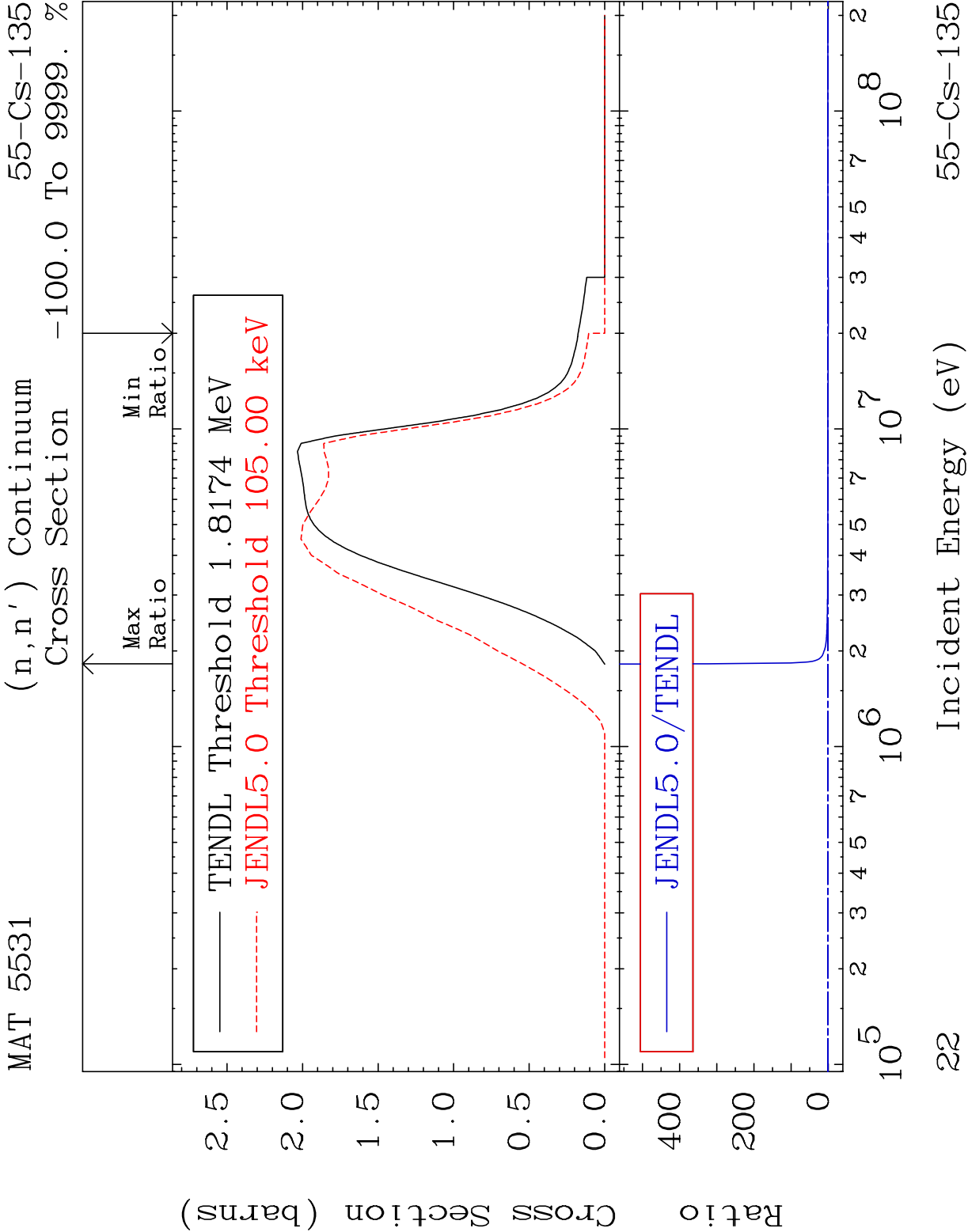


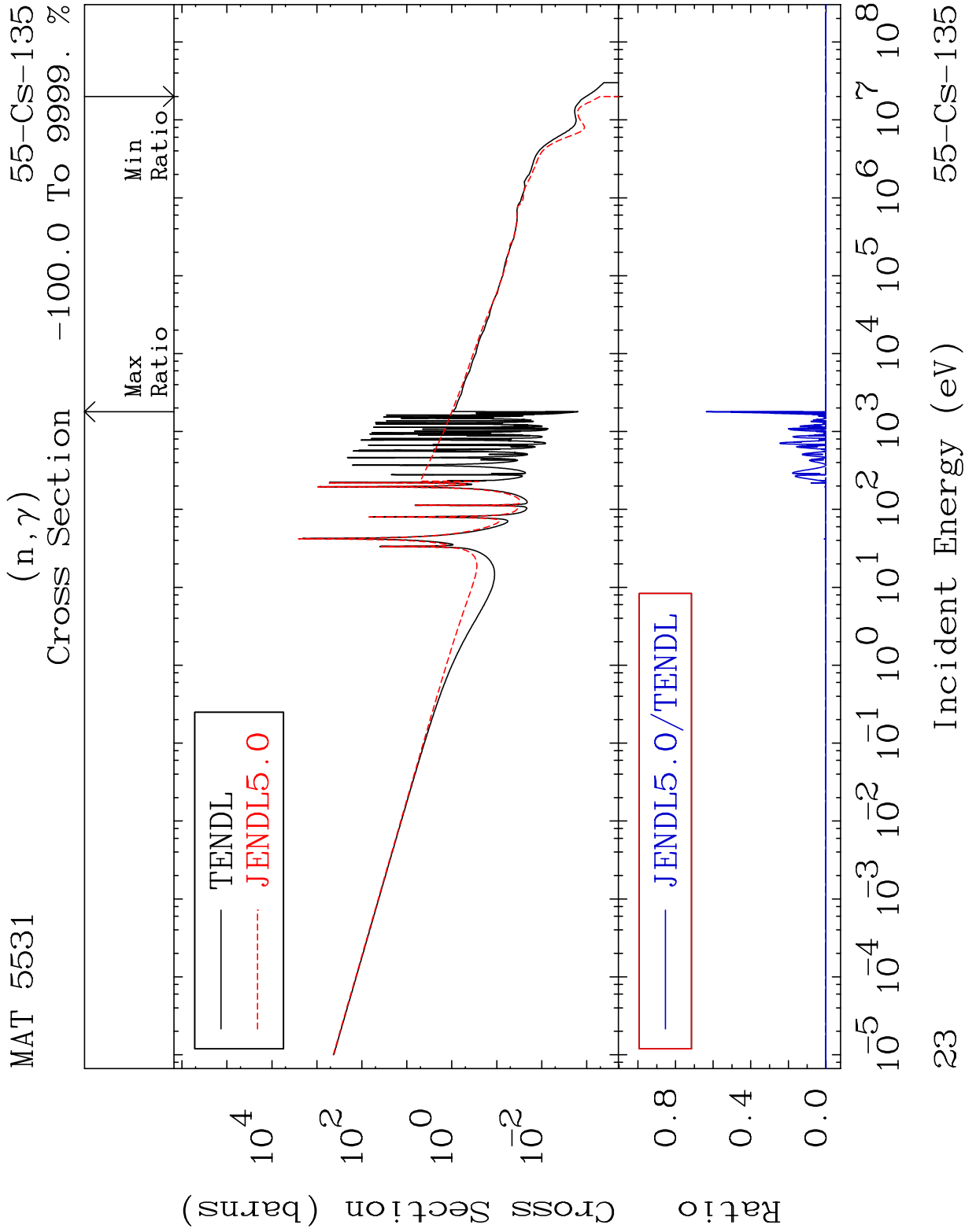
19 Incident Energy (eV) 55-Cs-135

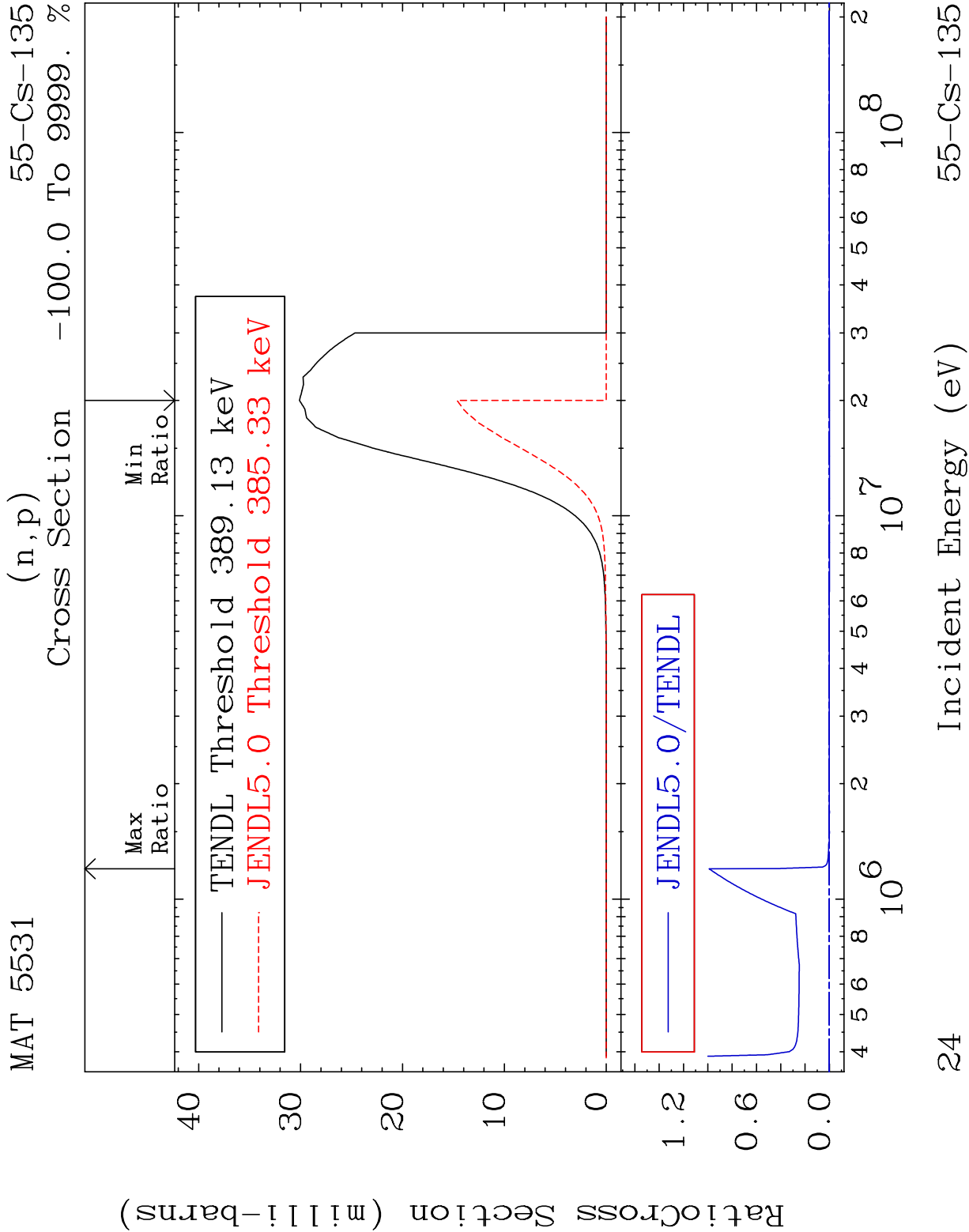


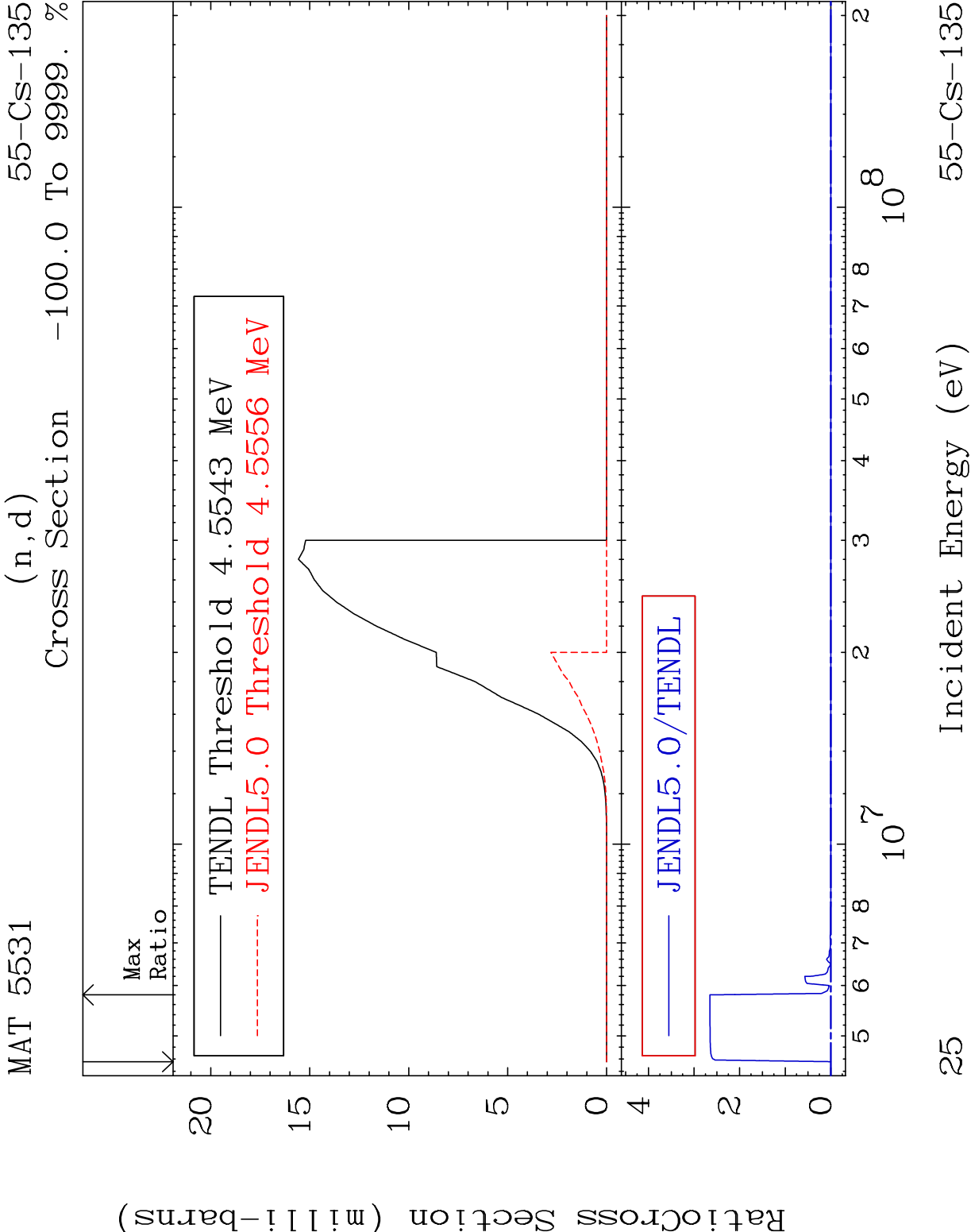
MAT 5531 MT= 56 (n,n') Level 55-Cs-135
Cross Section -100.0 To 487.5 %

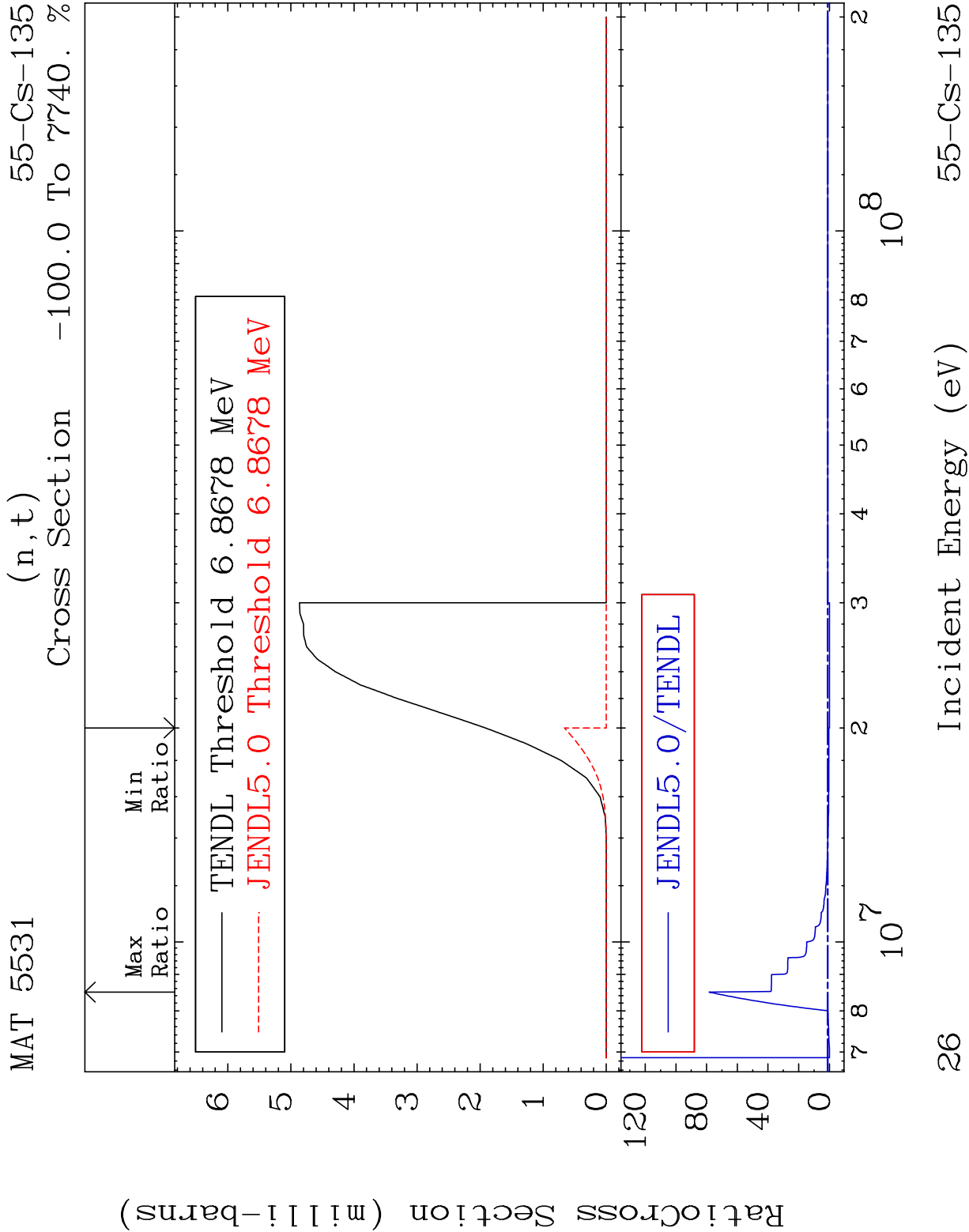


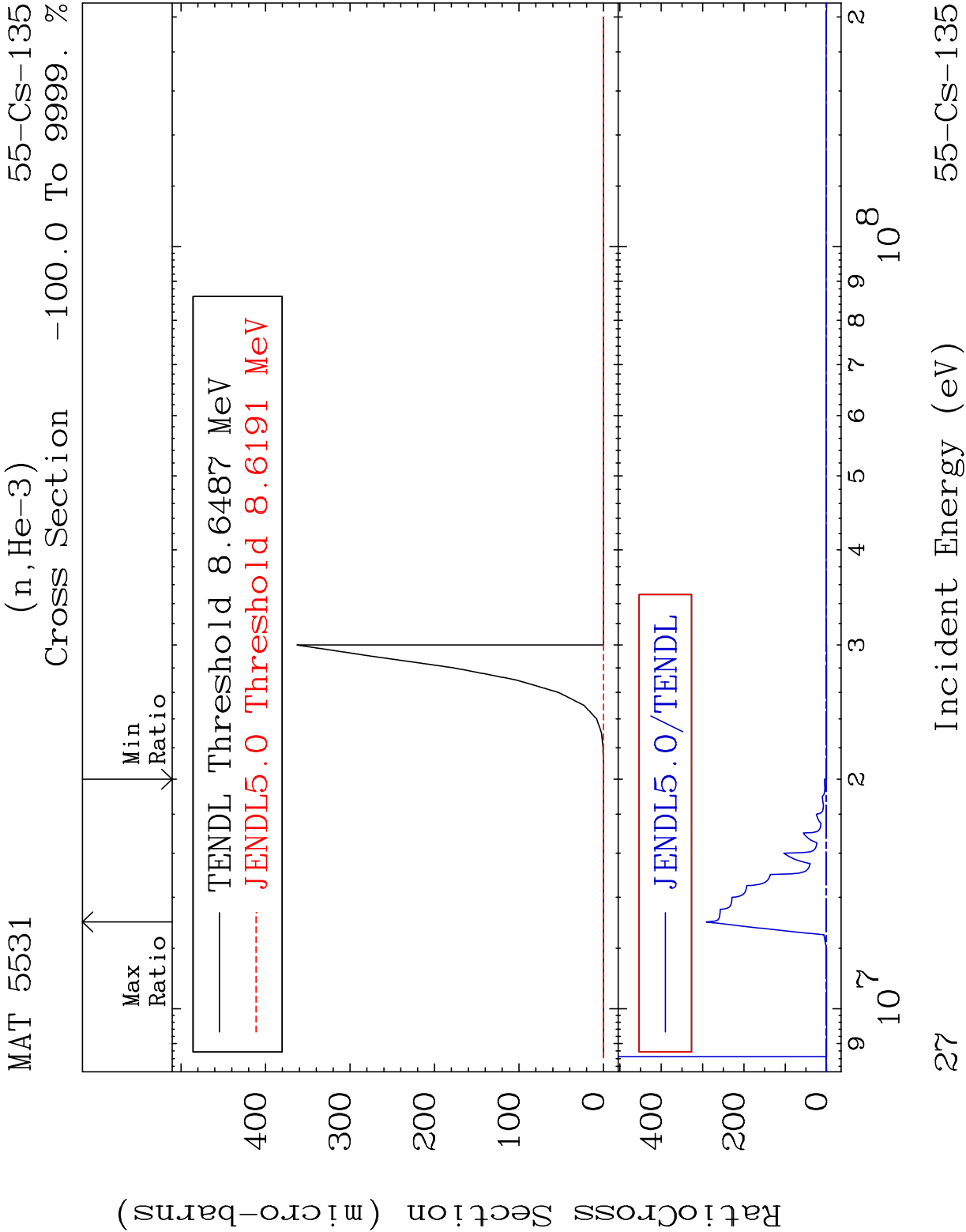












27

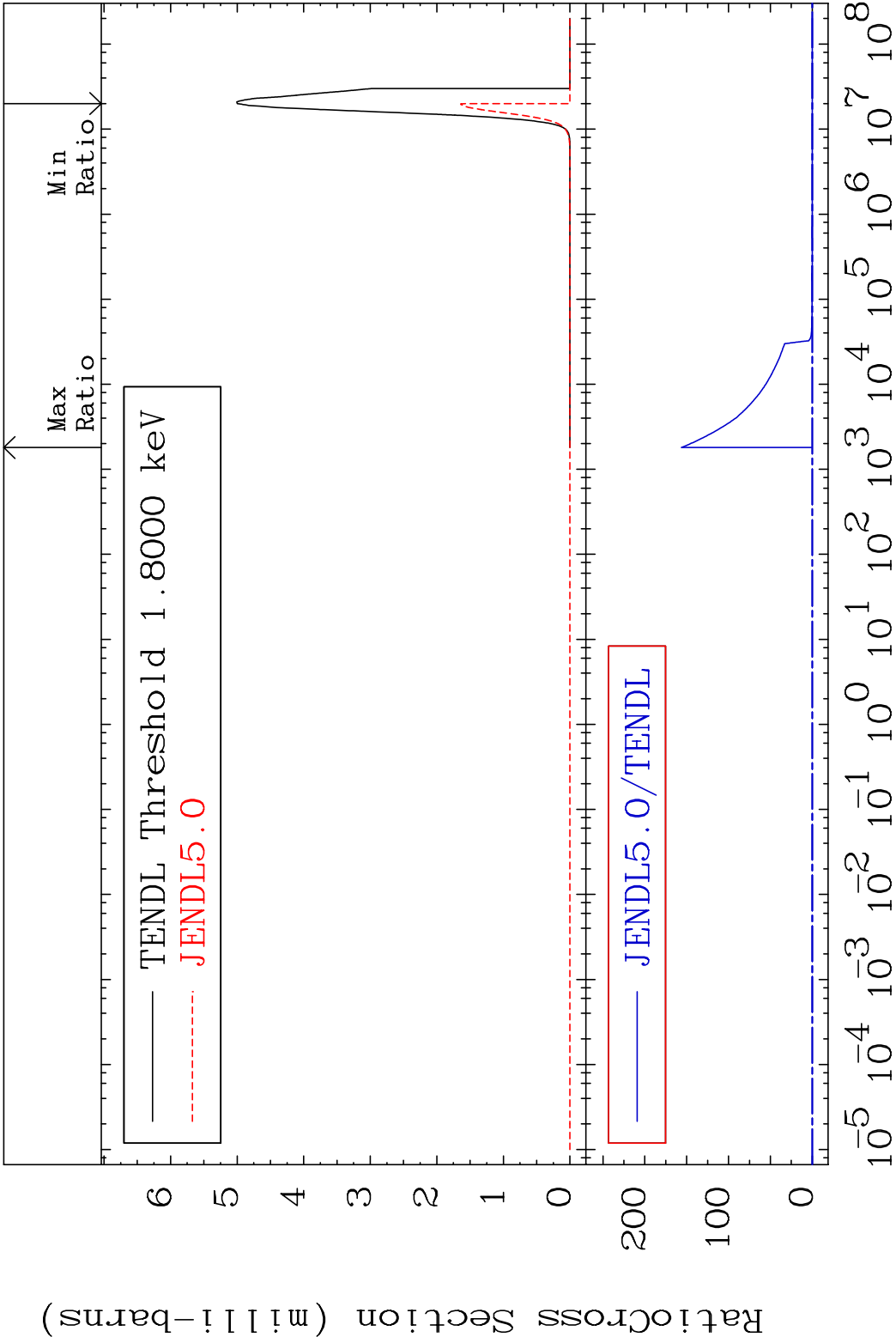
55-Cs-135

MAT 5531

(n, α)

55-Cs-135

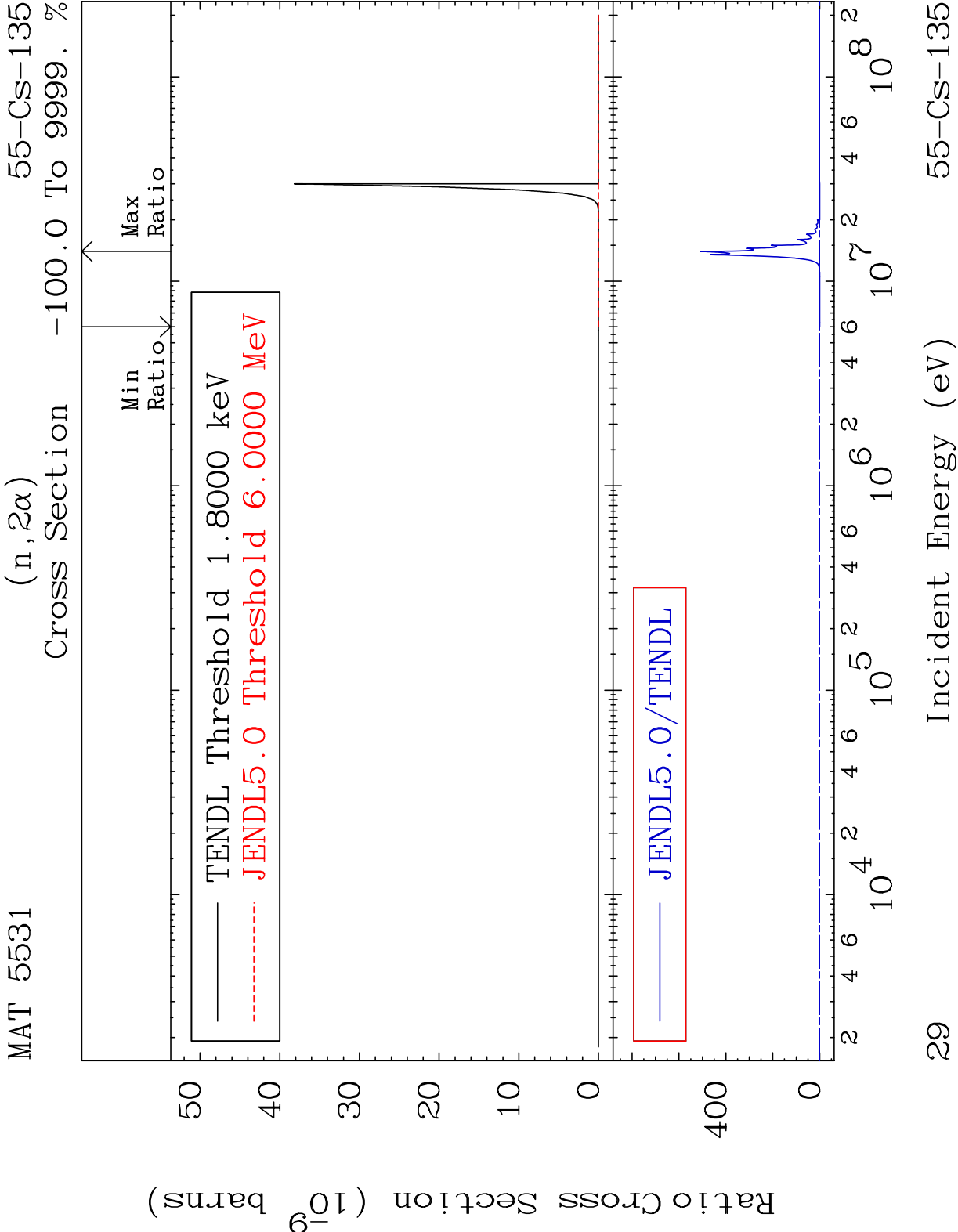
Cross Section -100.0 To 9999. %

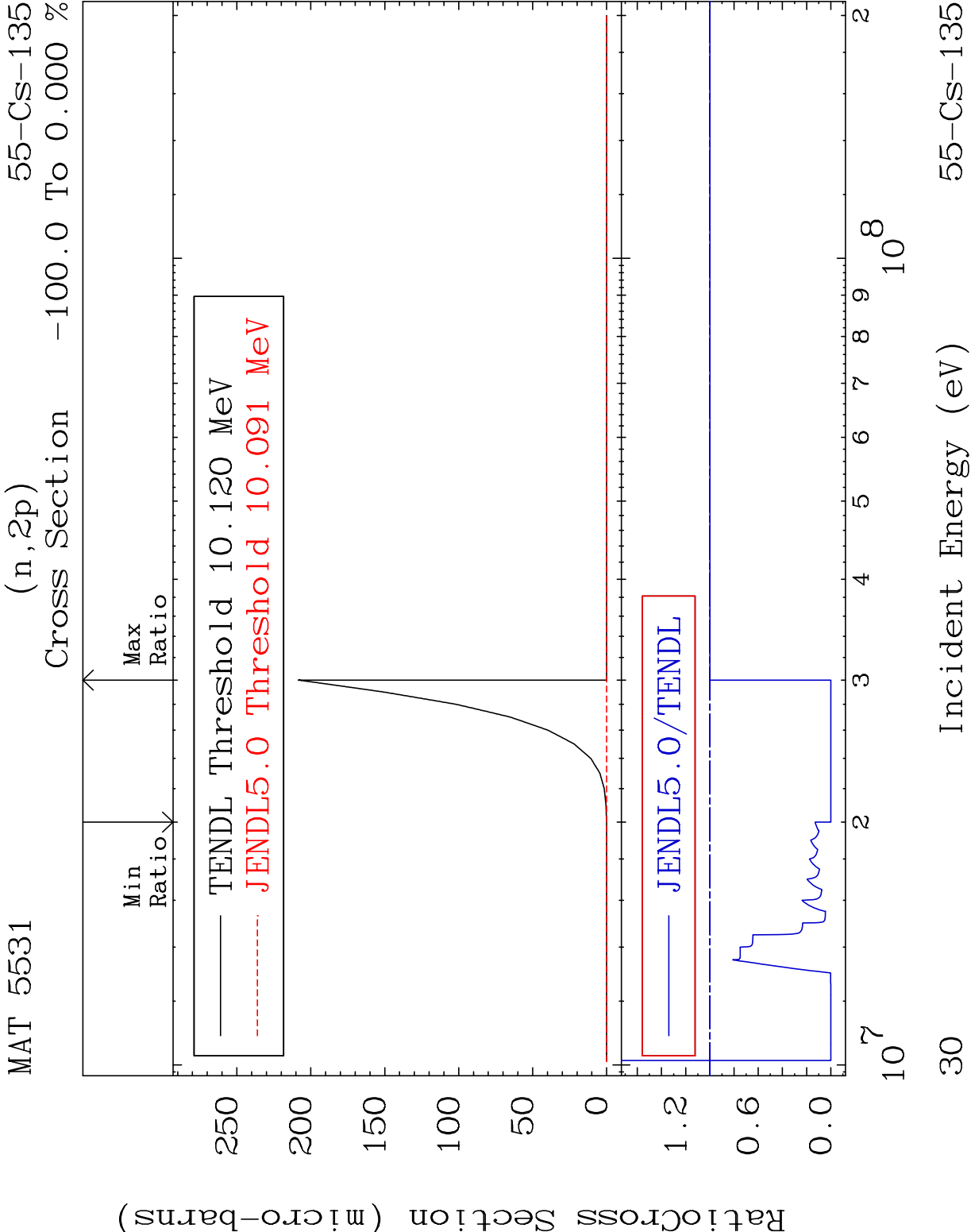


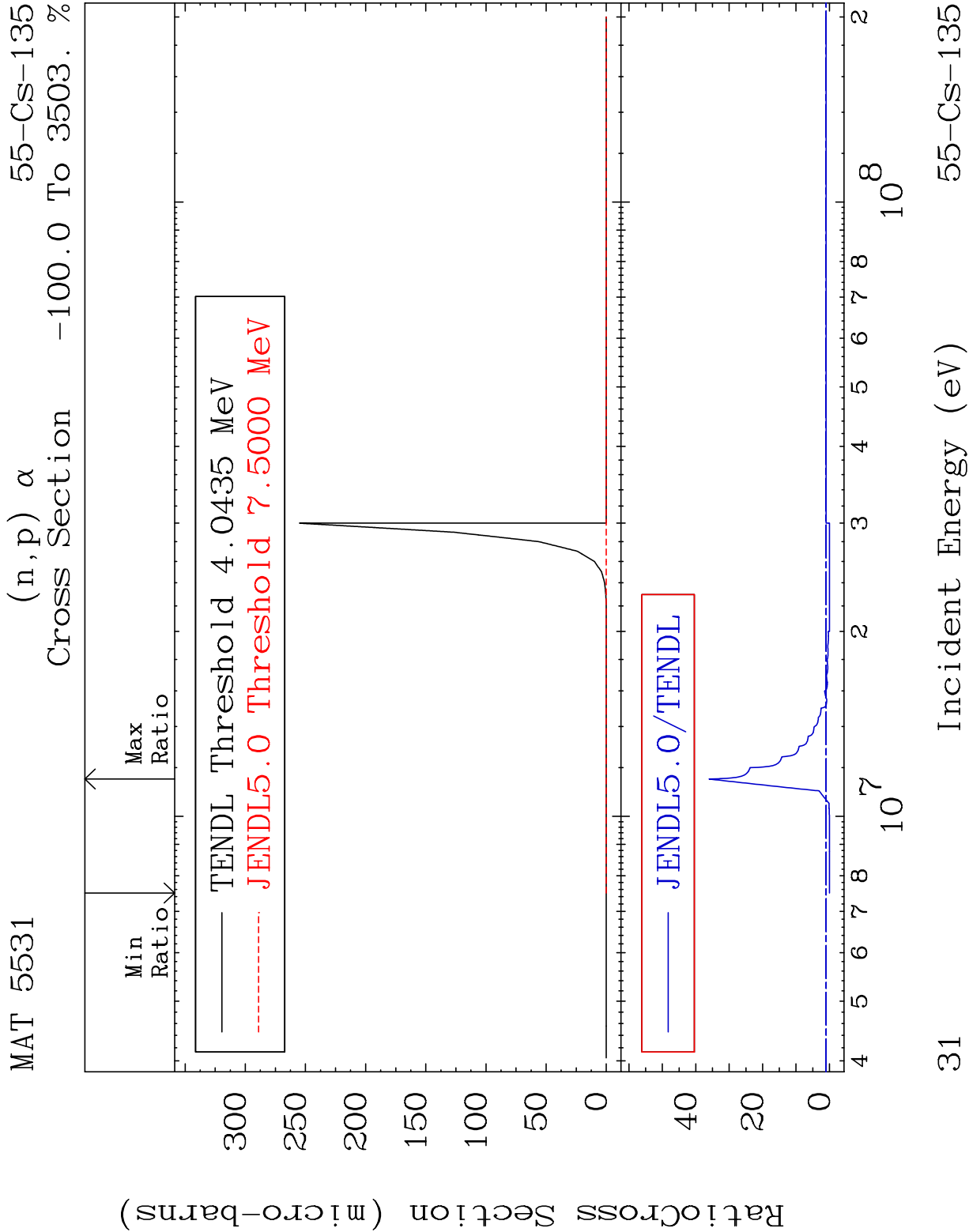
28

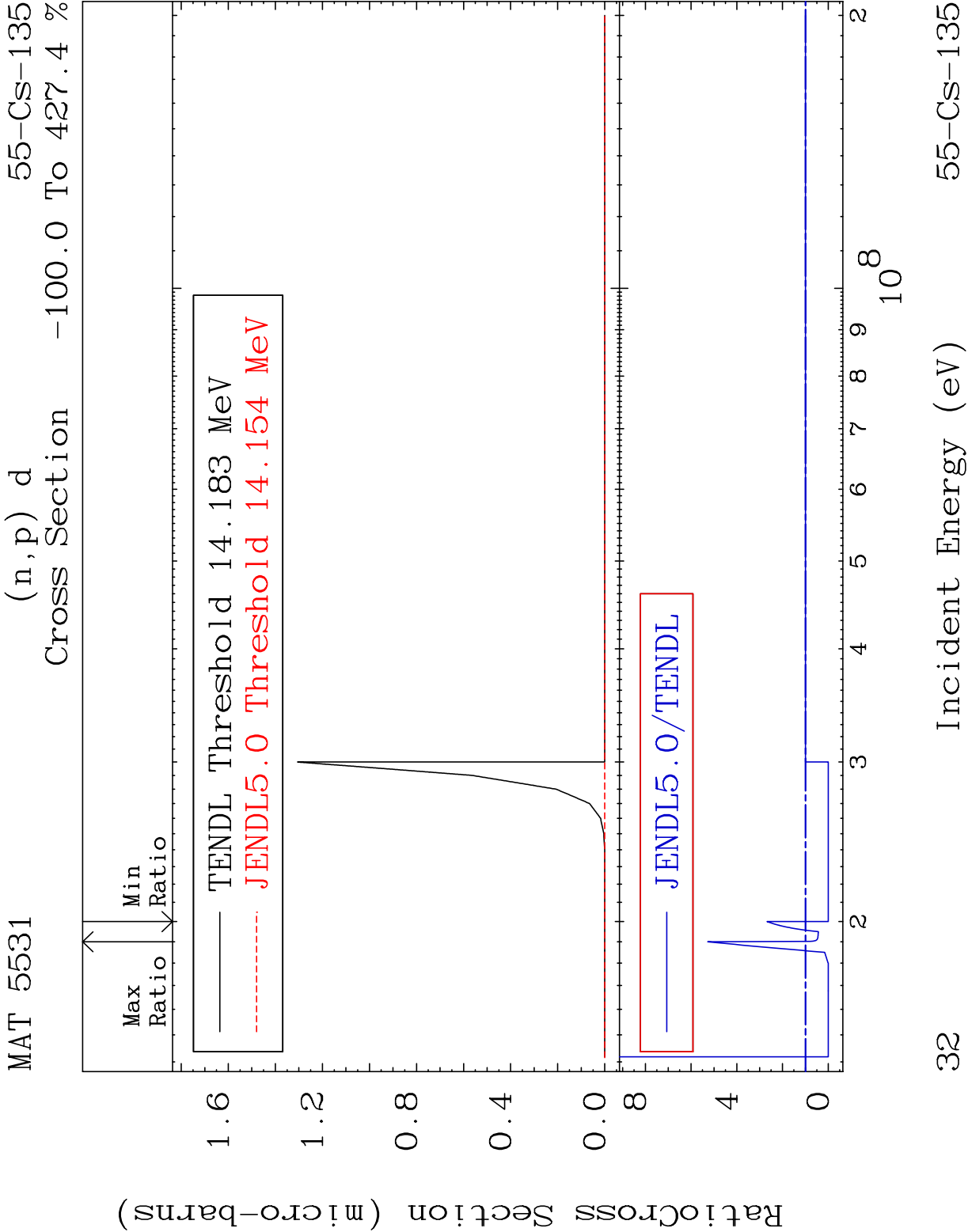
Incident Energy (eV)

55-Cs-135



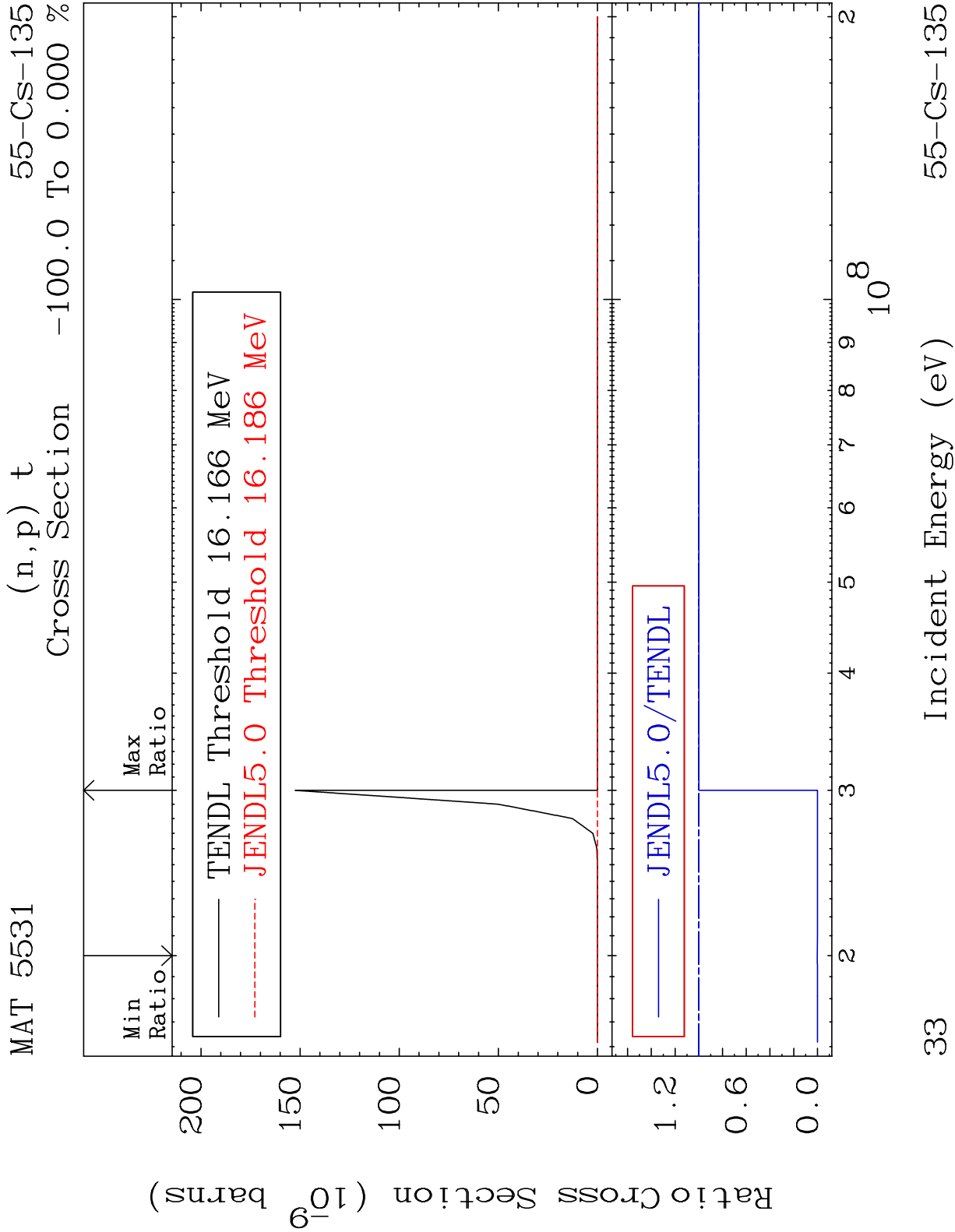


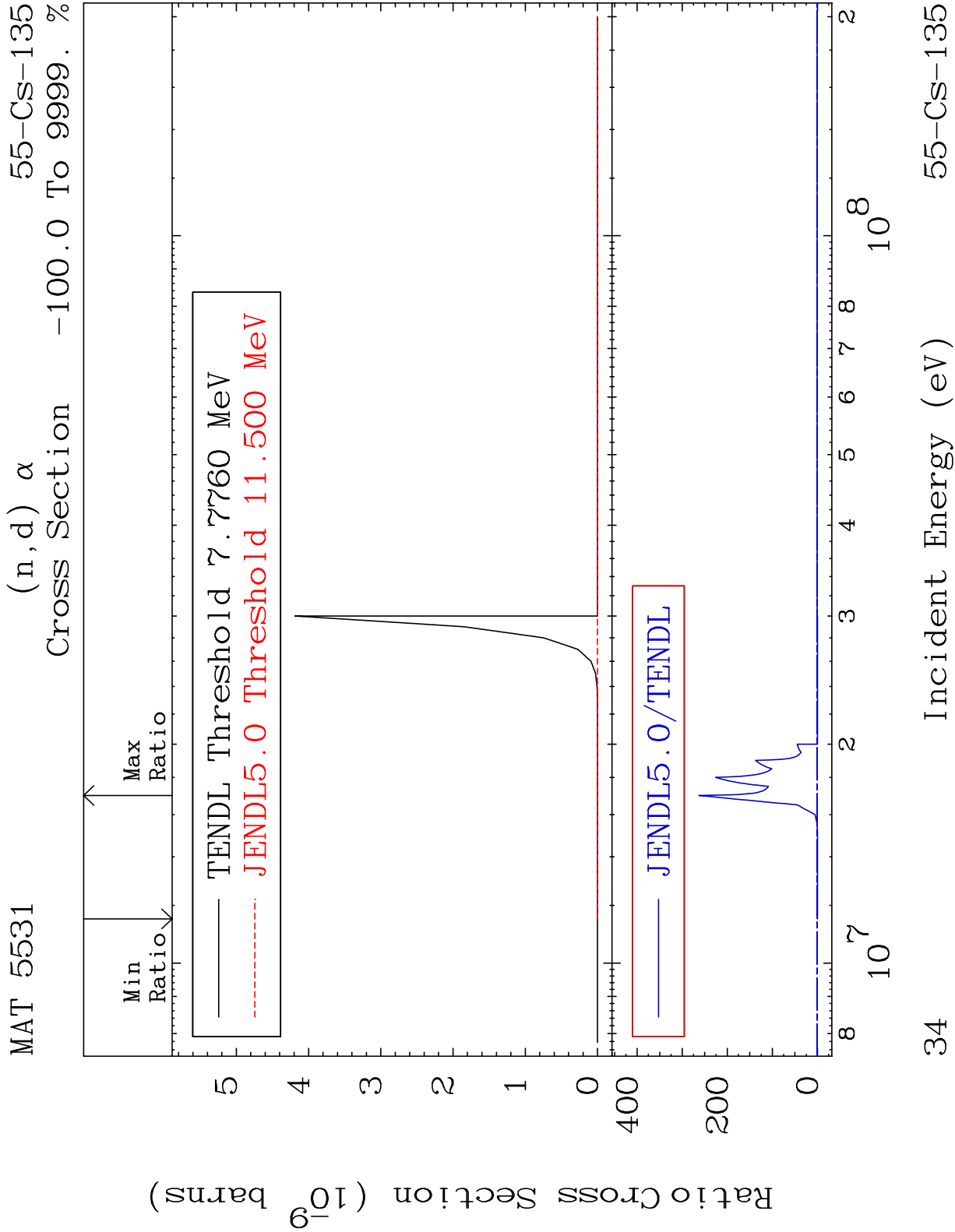


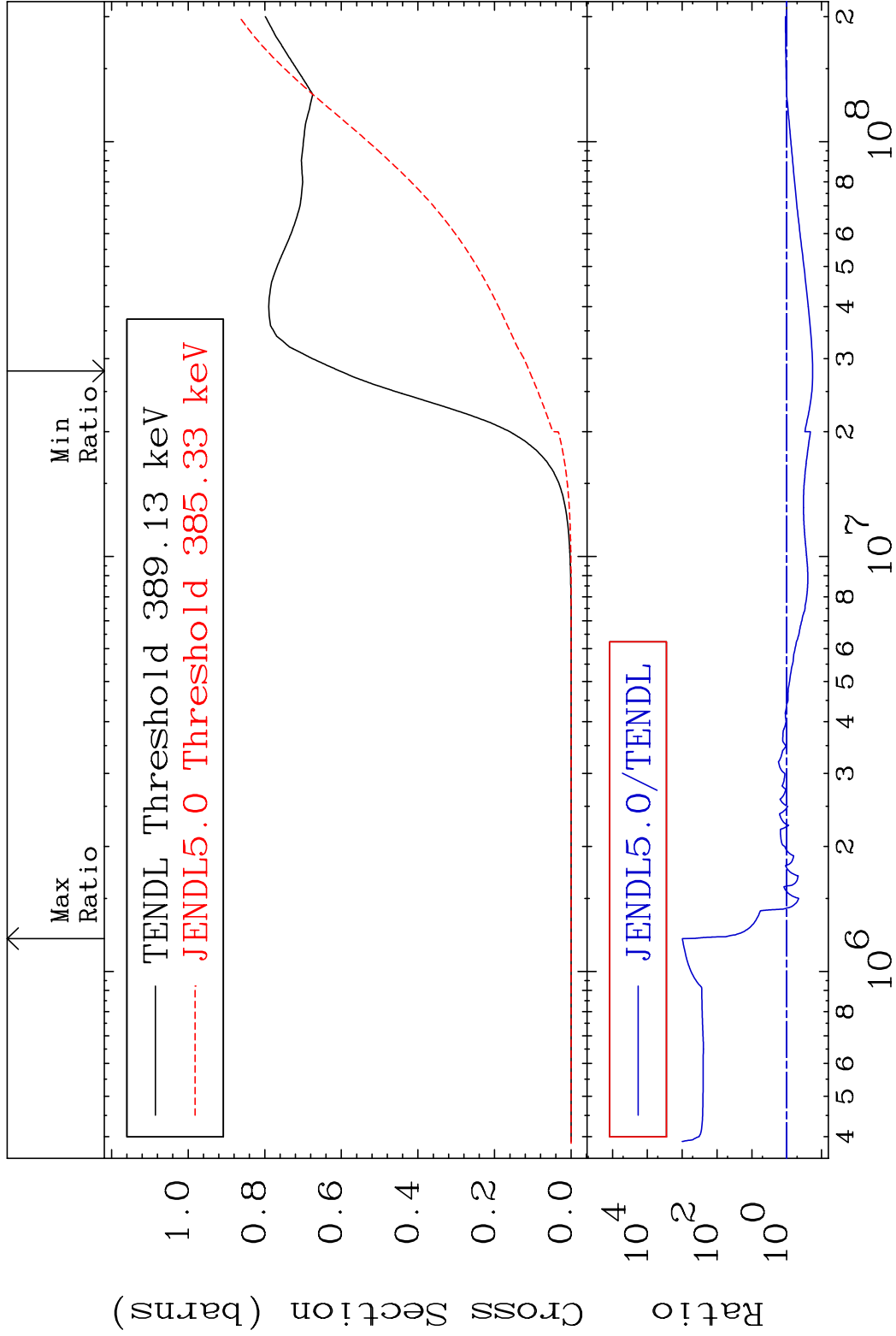


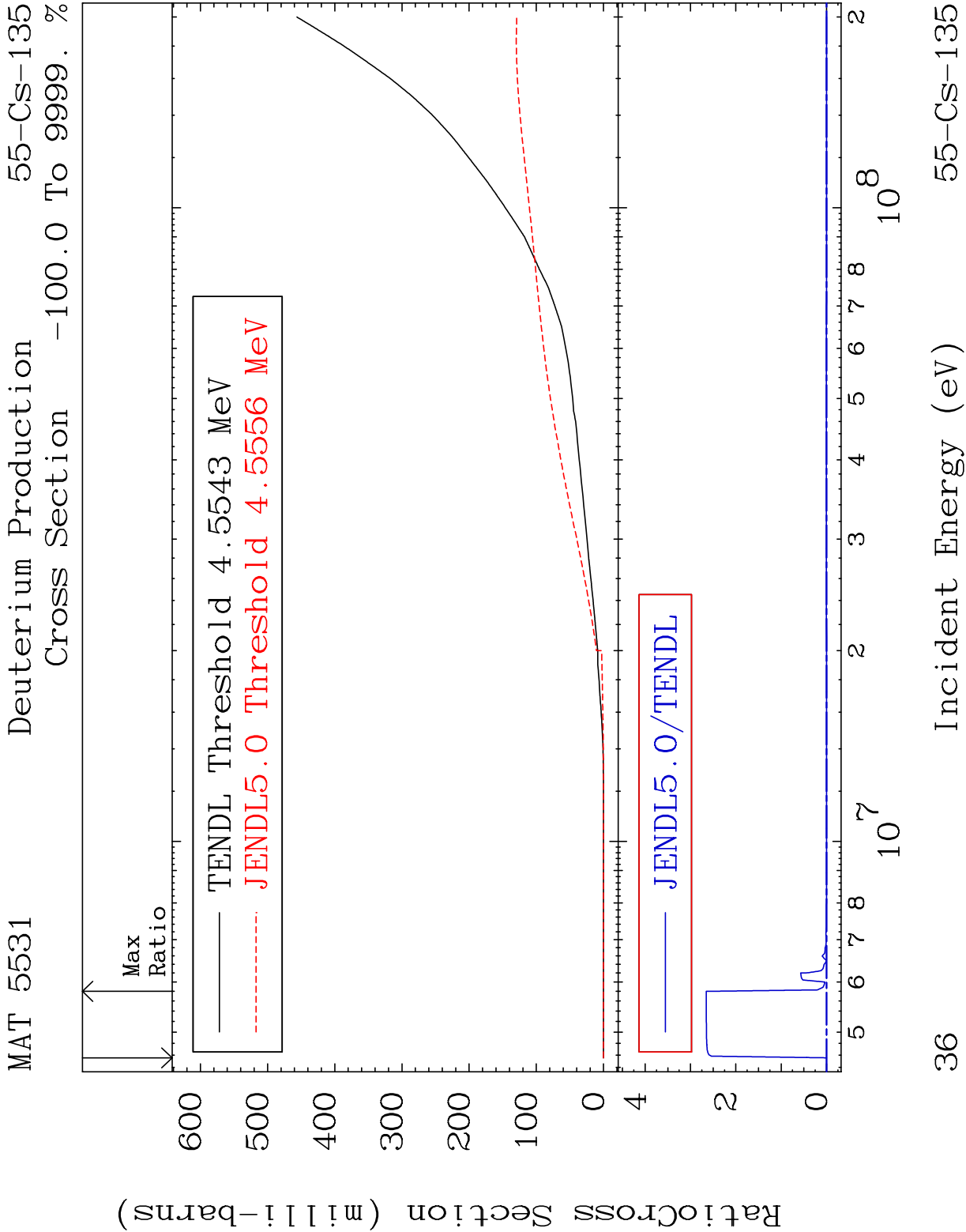
32

55-Cs-135

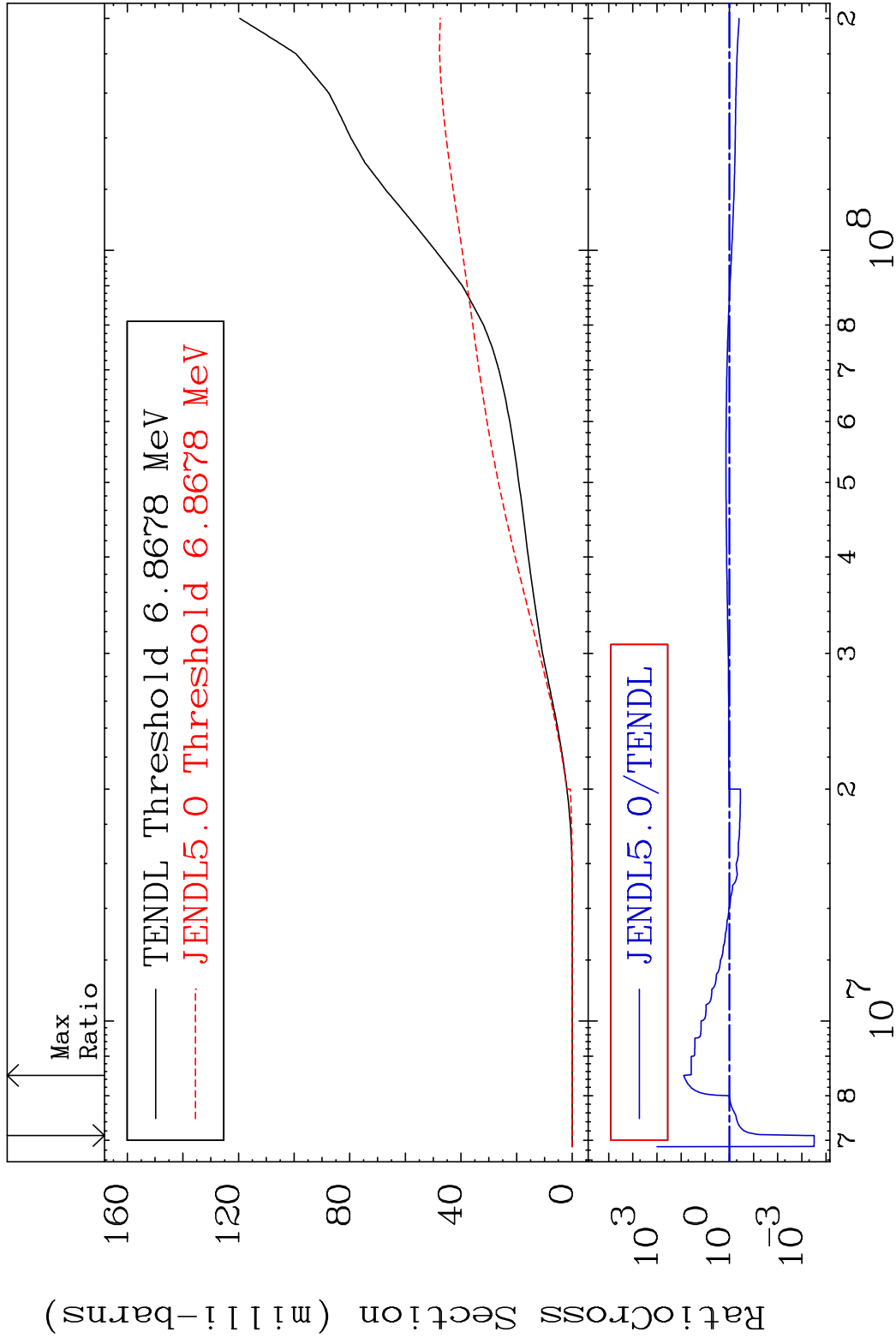


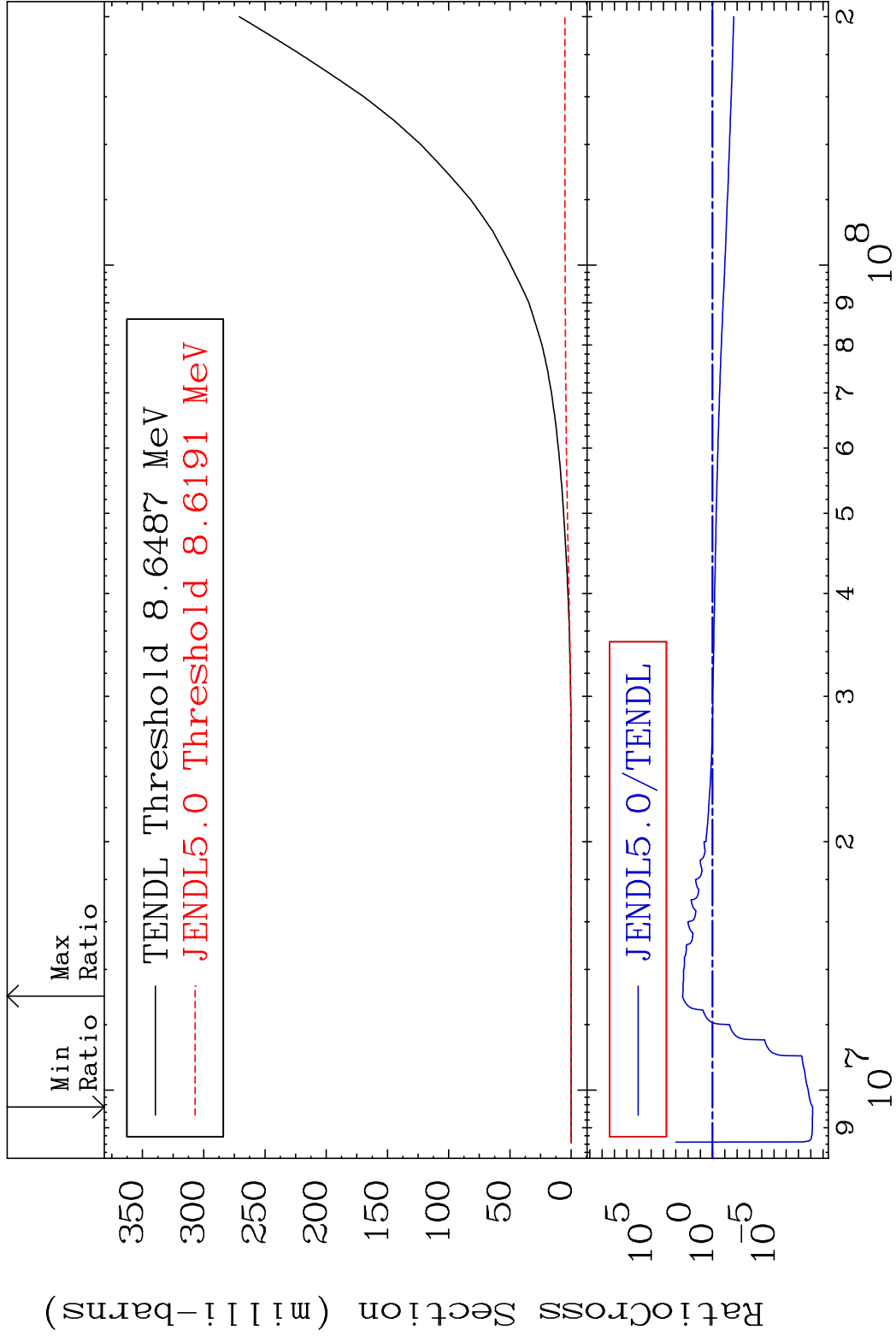






MAT 5531 Tritium Production 55-Cs-135
Cross Section -99.97 To 7740. %



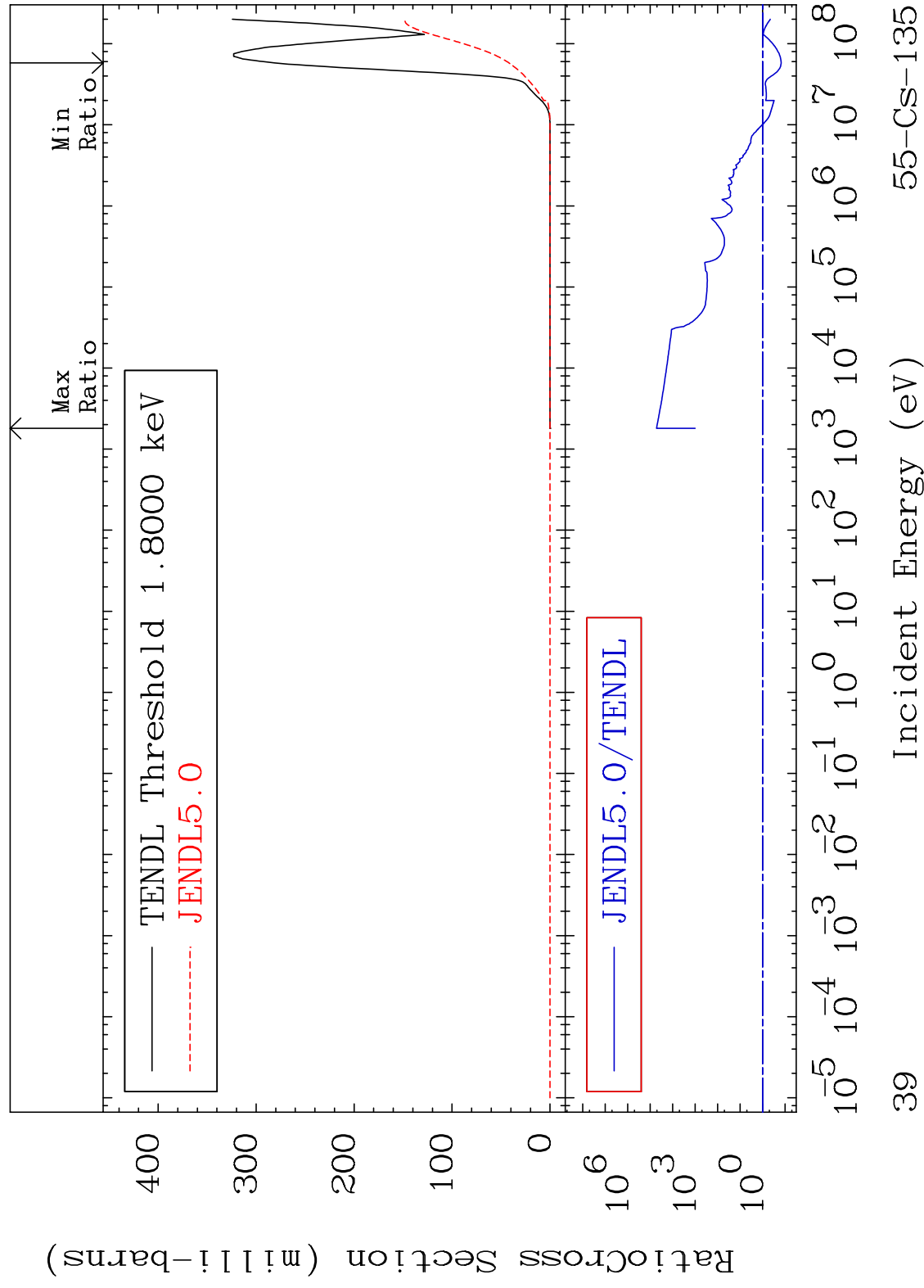


MAT 5531

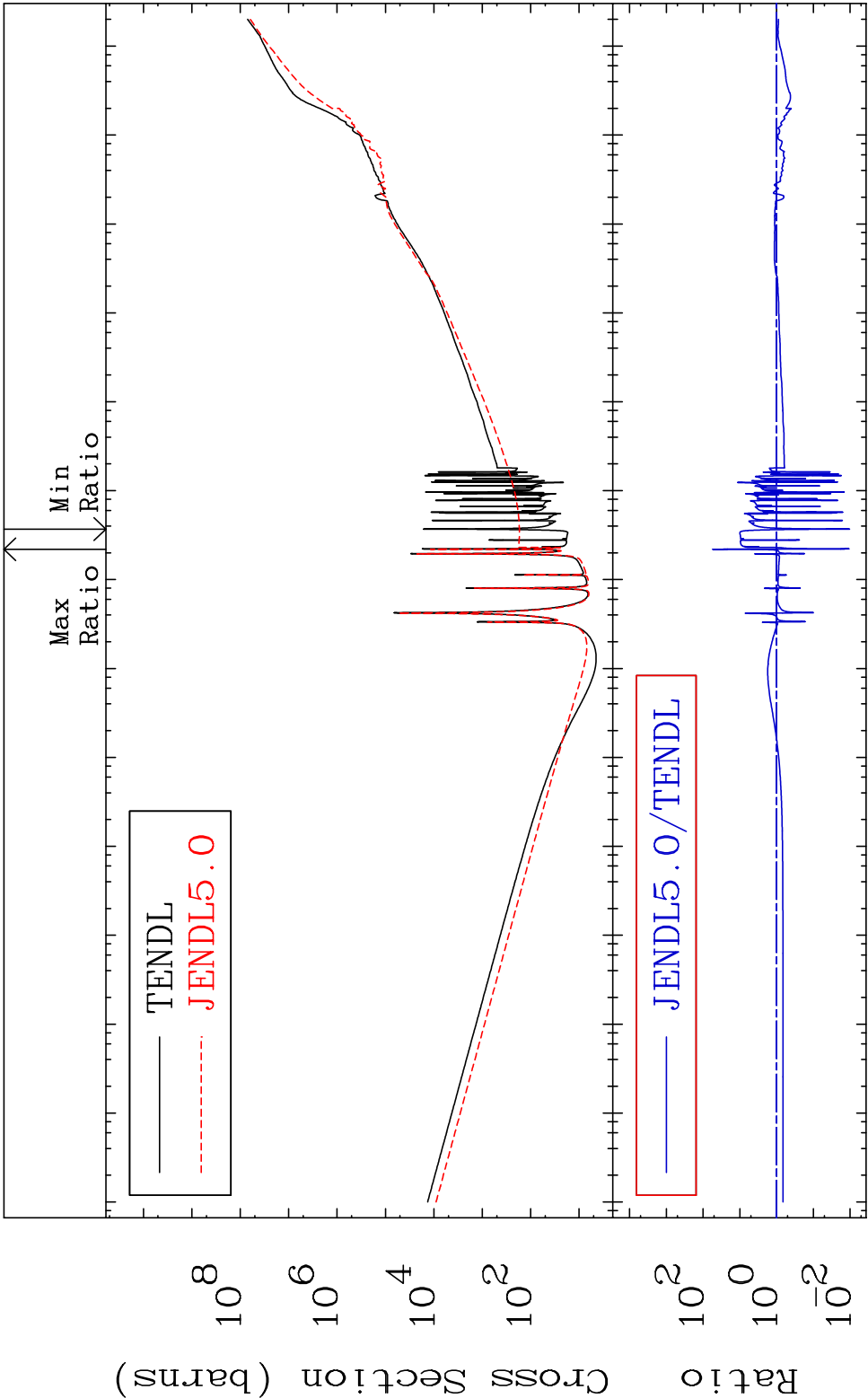
He-4 Production

55-CS-135

Cross Section -85.05 To 9999. %

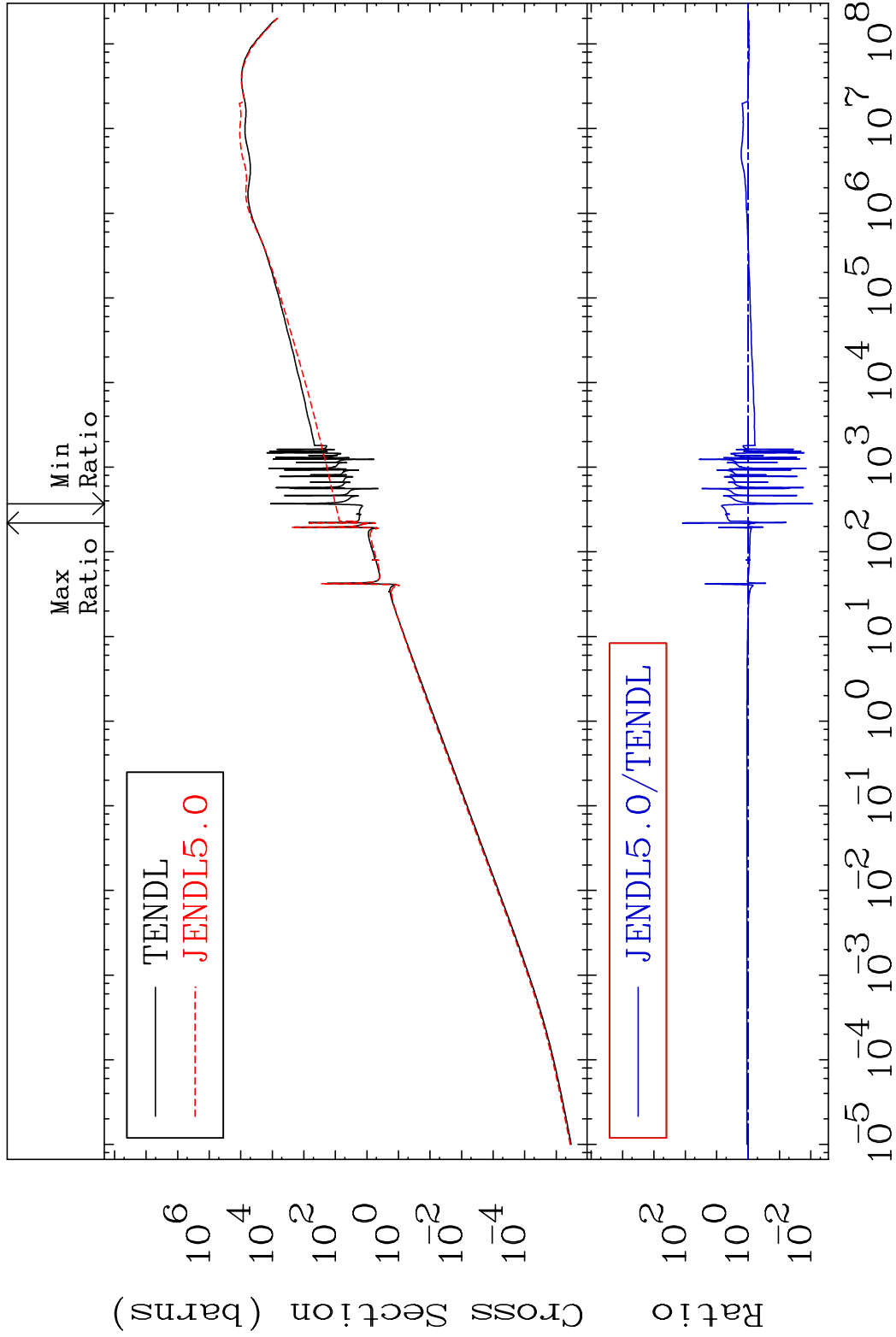


MAT 5531 Kerma total (eV-barns) 55-Cs-135
Cross Section -98.97 To 5331. %

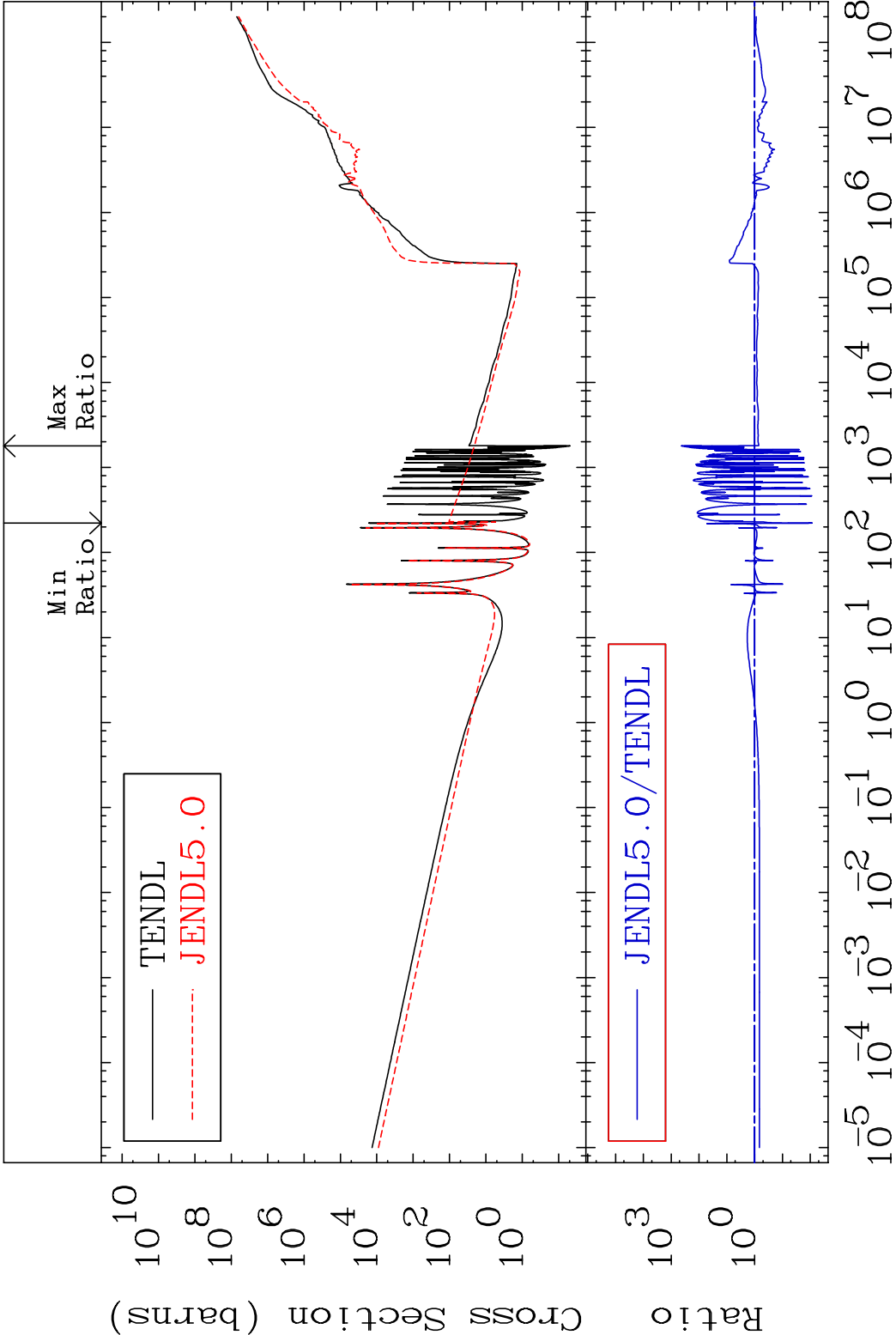


40 Incident Energy (eV) 55-Cs-135

MAT 5531	Kerma elastic	55-Cs-135
	Cross Section	-99.12 To 9999. %

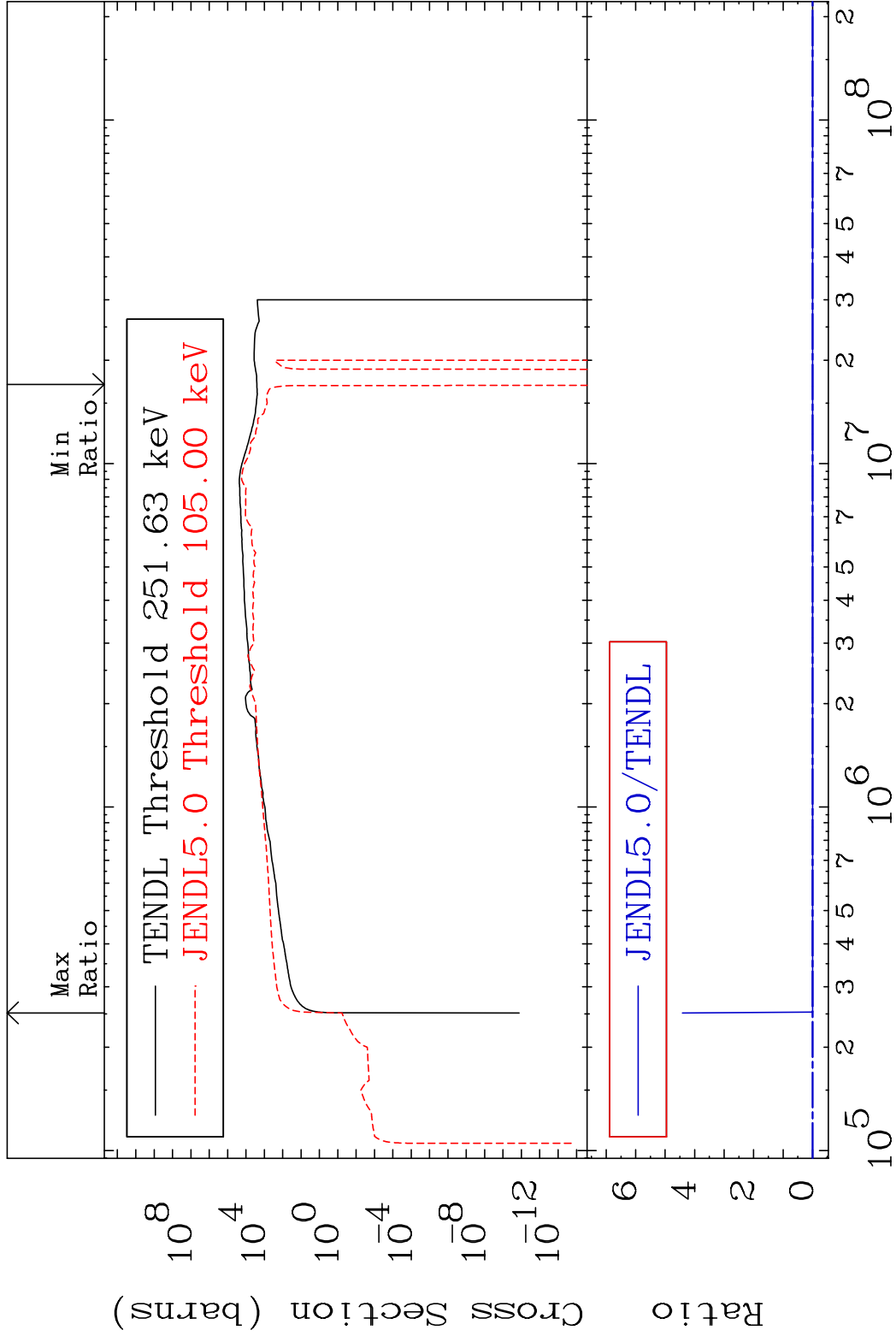


MAT 5531 Kerma non-elastic (all but mt2) 55-Cs-135
Cross Section -99.15 To 9999. %



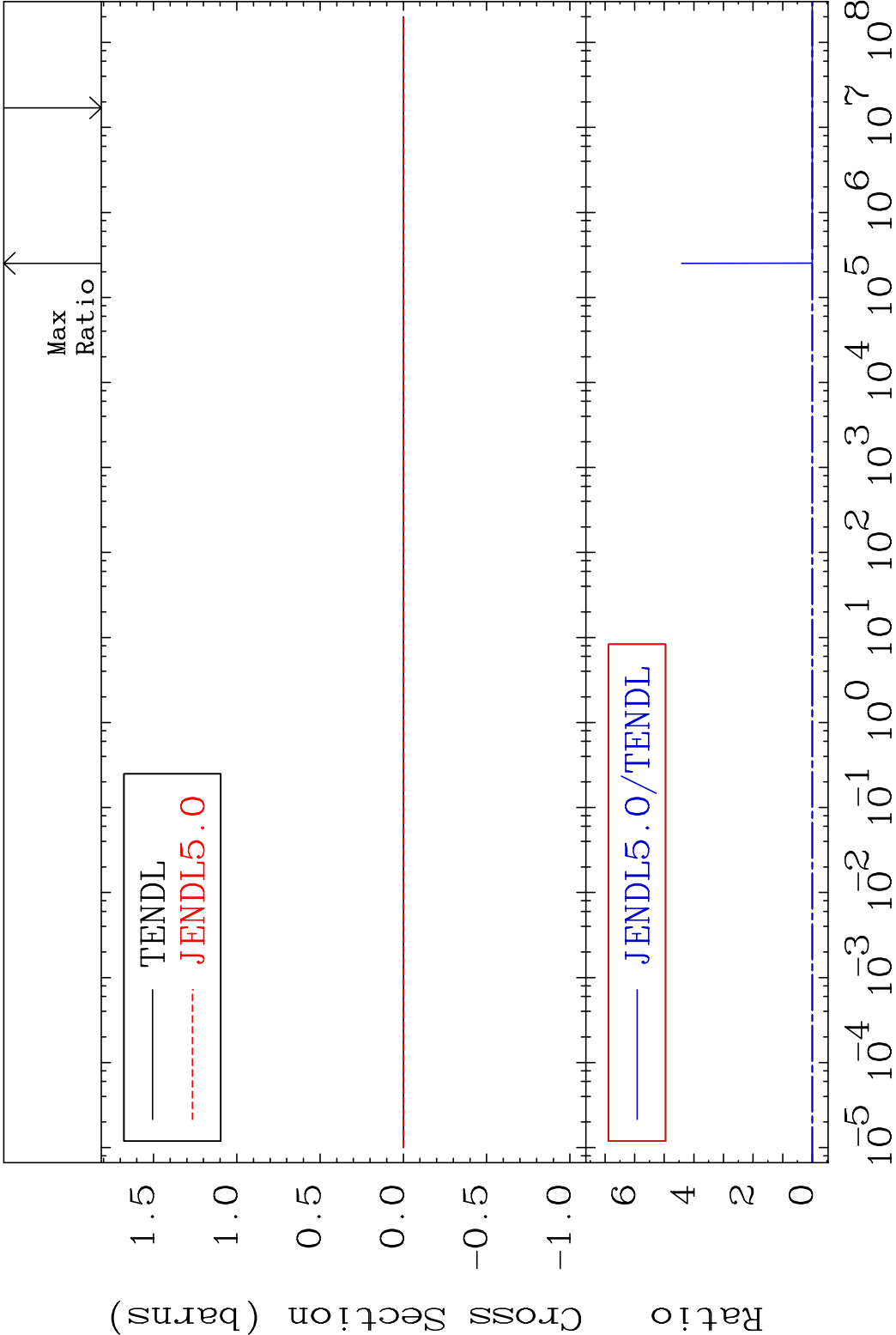
42 Incident Energy (eV) 55-Cs-135

MAT 5531 Kerma inelastic (mt51-91) 55-Cs-135
Cross Section -105.2 To 9999. %

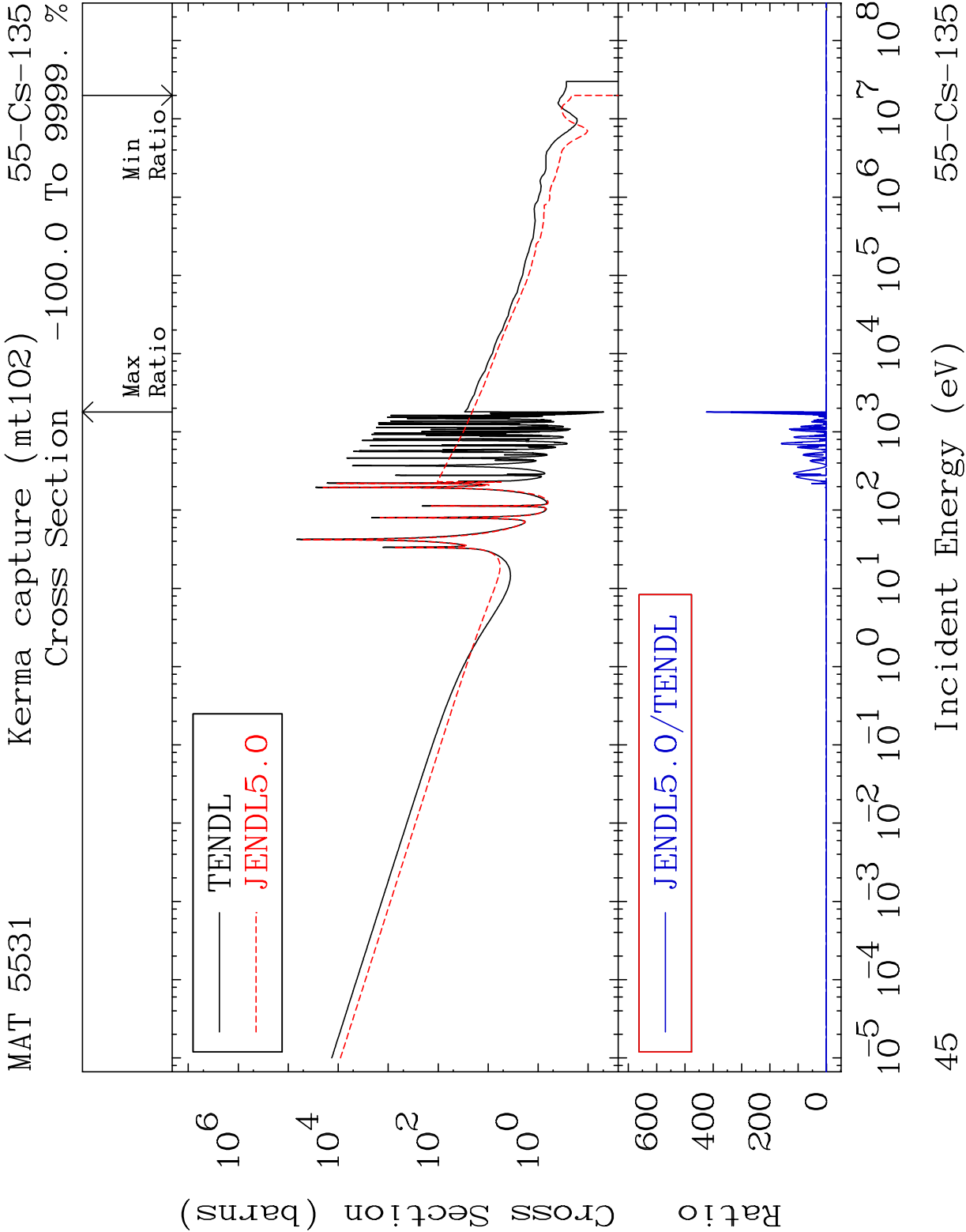


43 Incident Energy (eV) 55-Cs-135

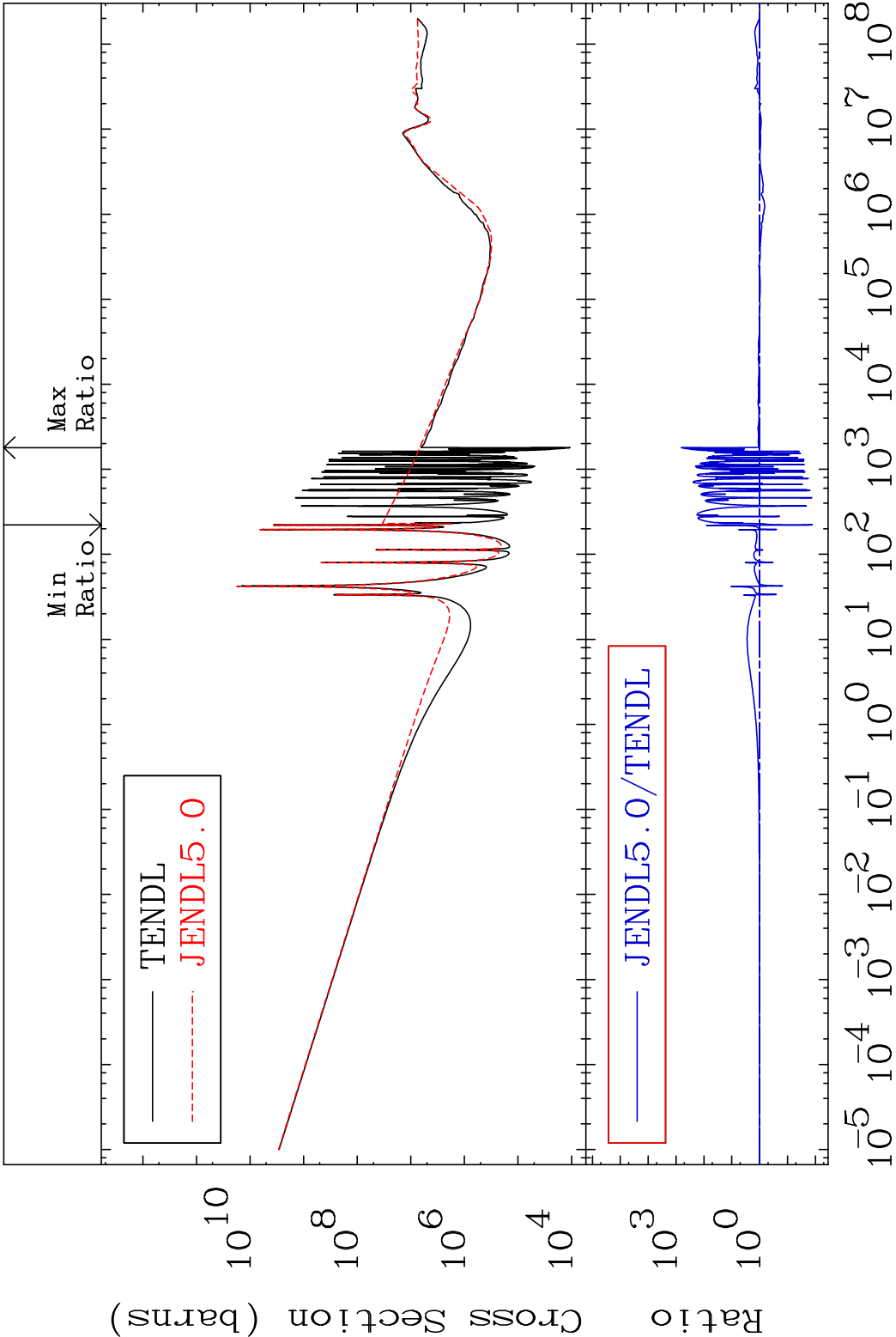
MAT 5531 Kerma fission (mt18 or mt19-20-21-38)55-Cs-135
Cross Section -105.2 To 9999. %



44 Incident Energy (eV) 55-Cs-135

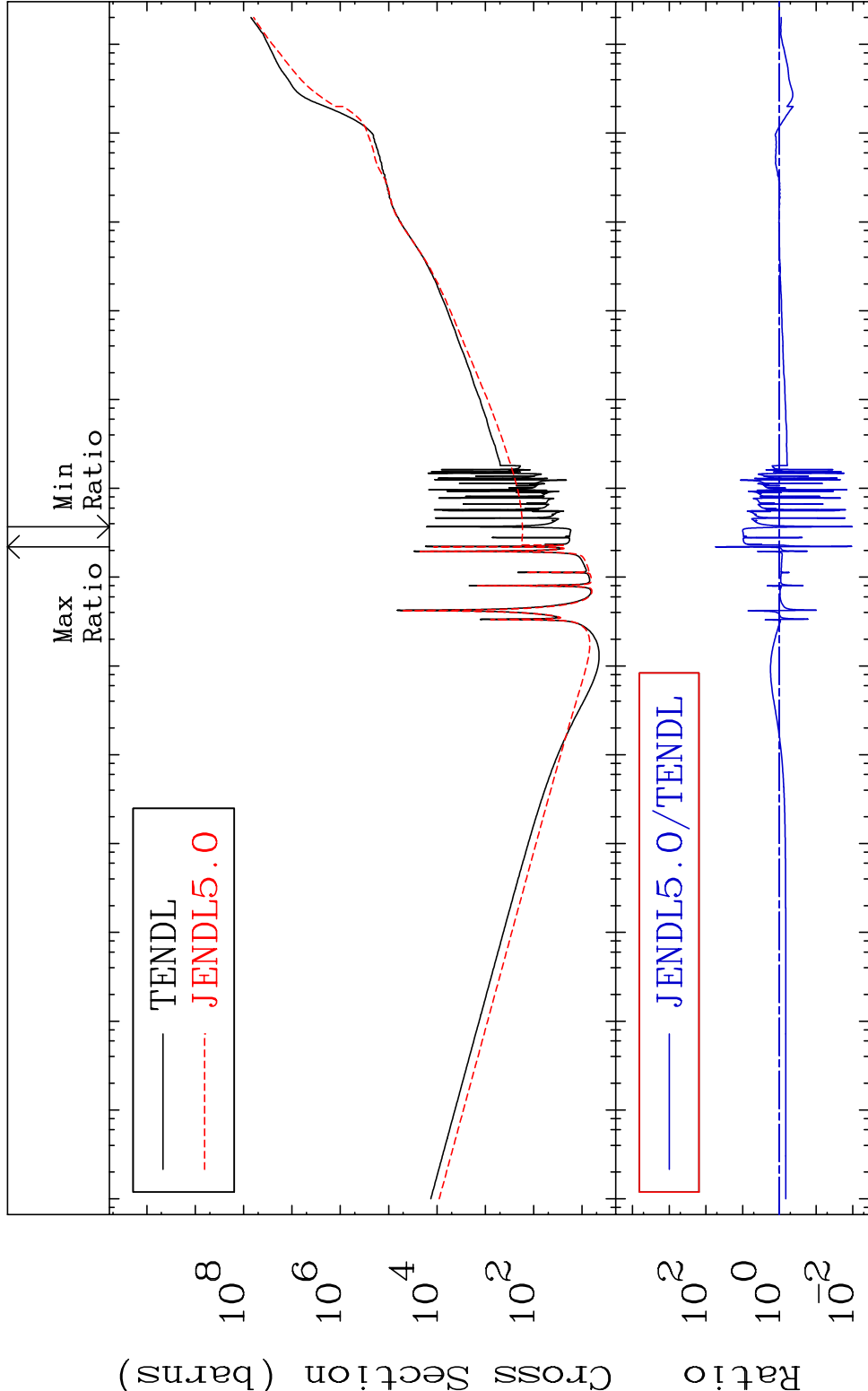


MAT 5531 Total photon (eV-barns) 55-Cs-135
Cross Section -98.70 To 9999. %



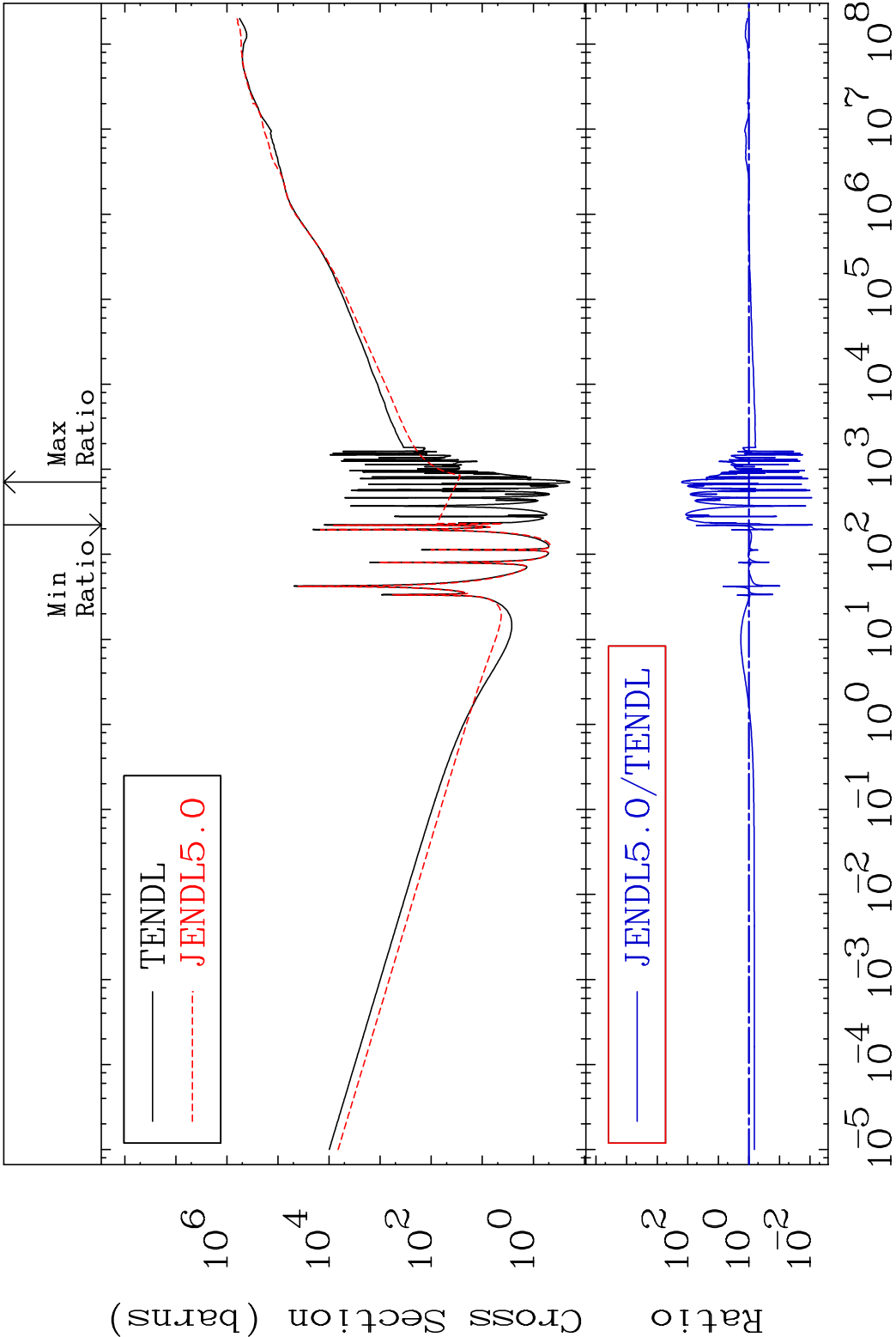
46 Incident Energy (eV) 55-Cs-135

MAT 5531 Total kinematic kerma (high limit) 55-Cs-135
Cross Section -98.97 To 5331. %



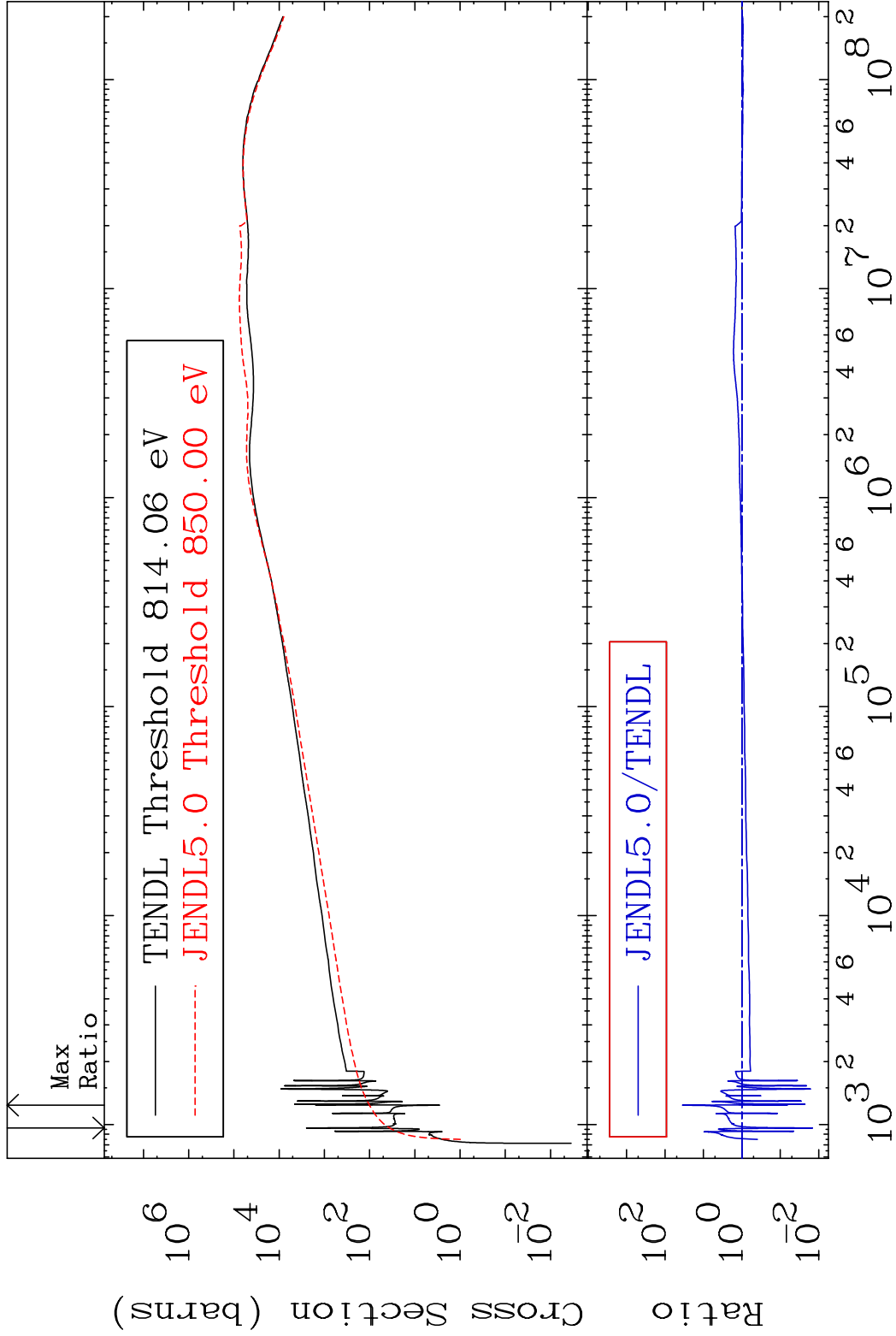
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

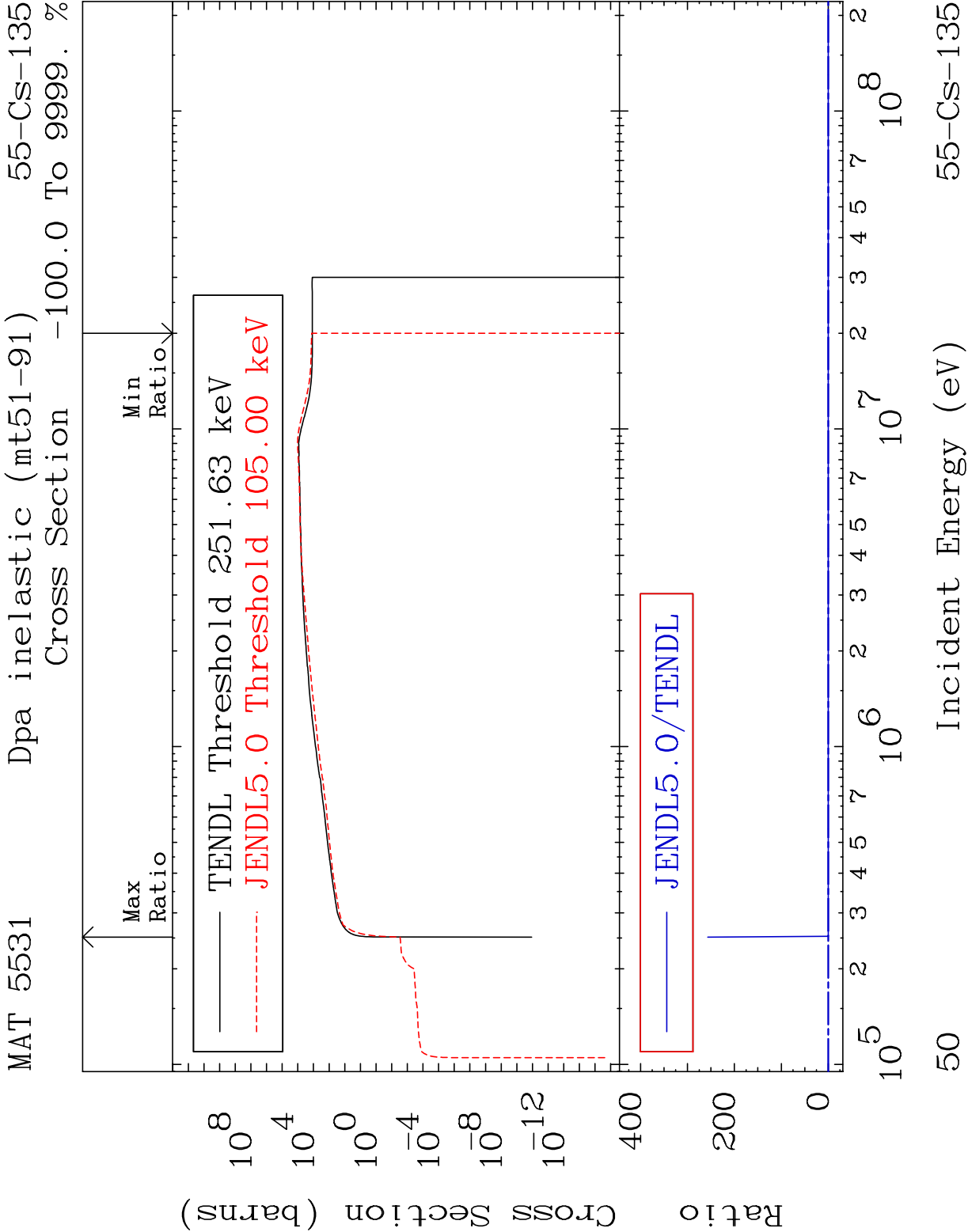
MAT 5531 Dpa total (eV-barns) 55-Cs-135
Cross Section -99.15 To 9999. %



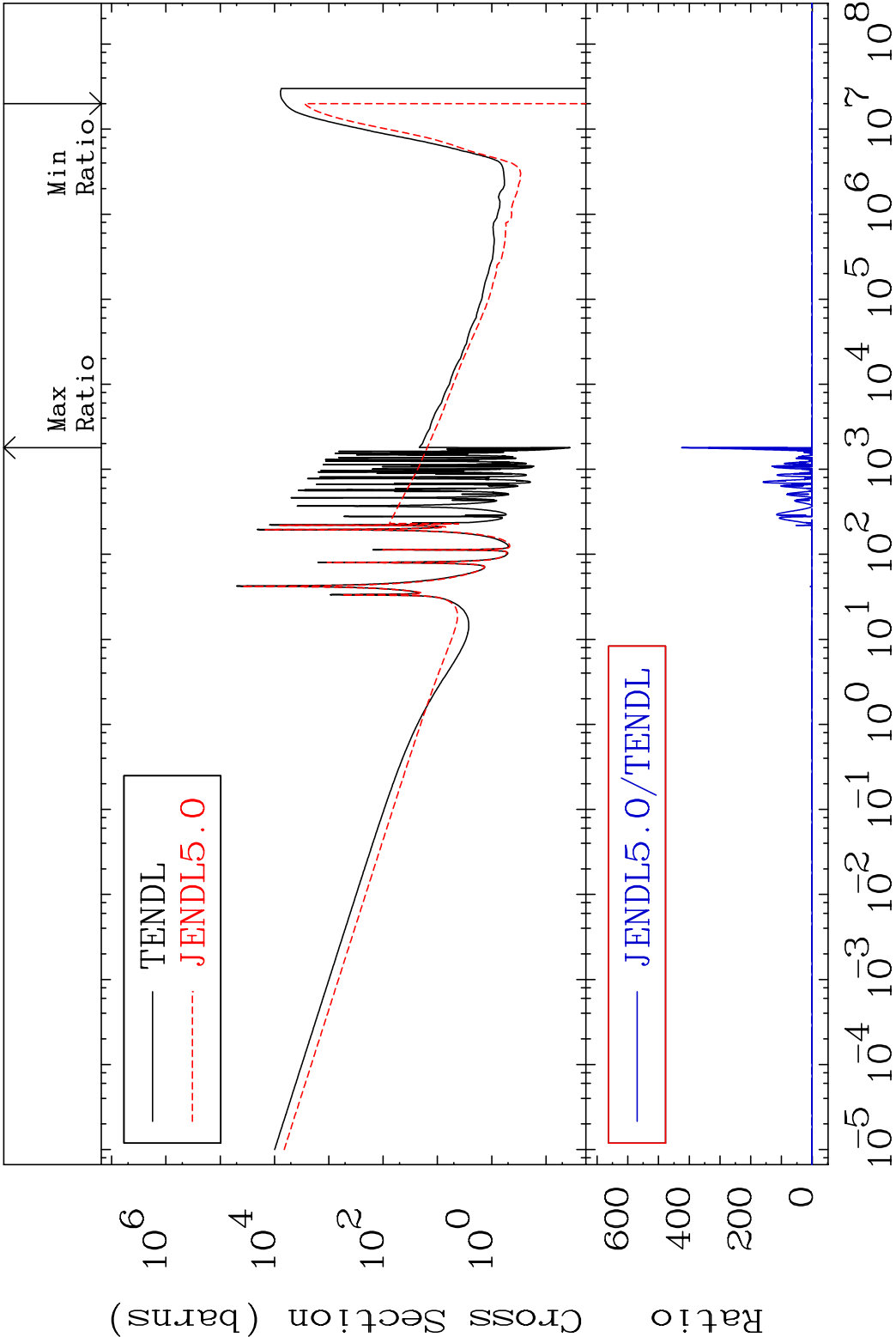
48 Incident Energy (eV) 55-Cs-135

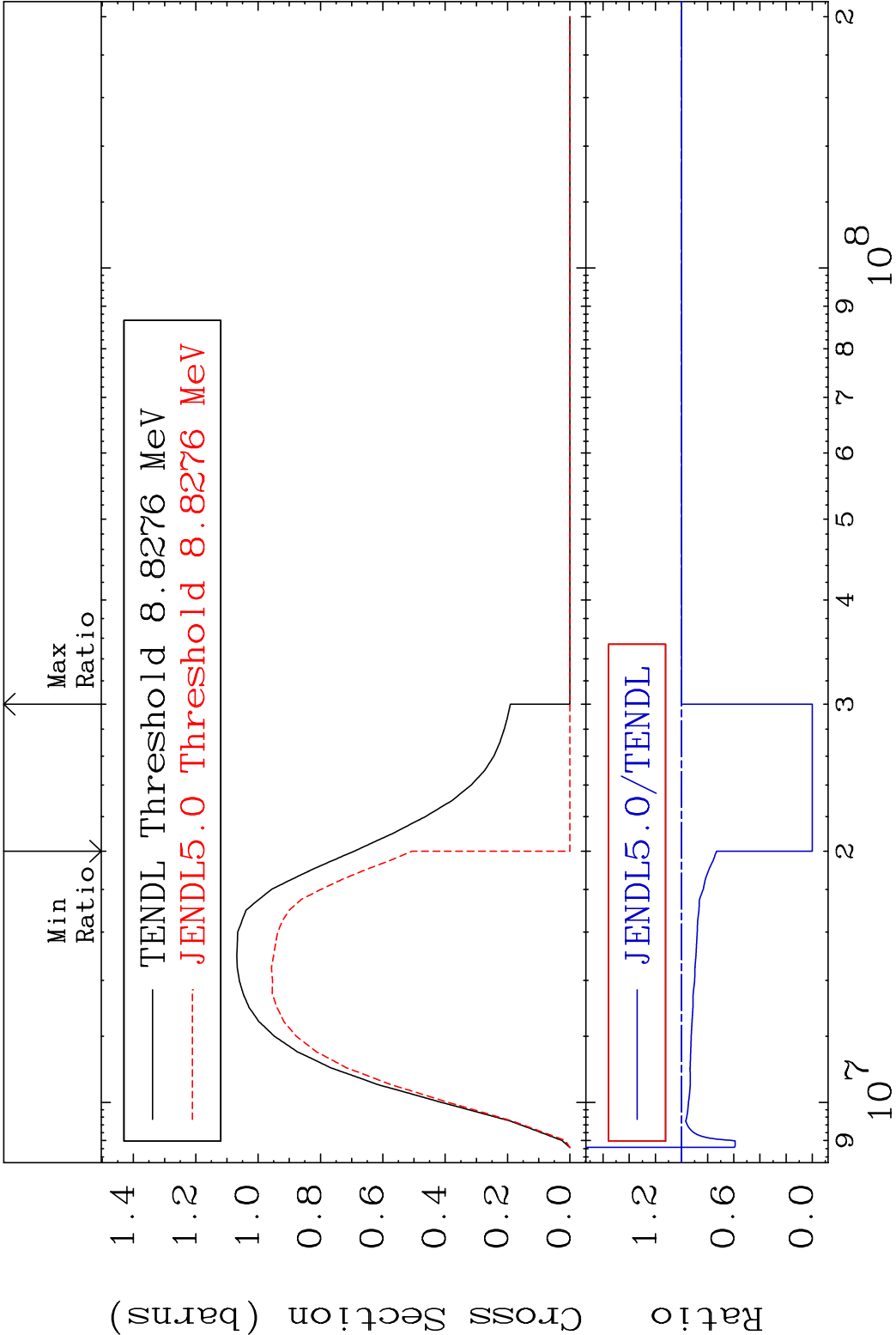
MAT 5531 Dpa elastic (mt2) 55-Cs-135
Cross Section -98.55 To 3440. %

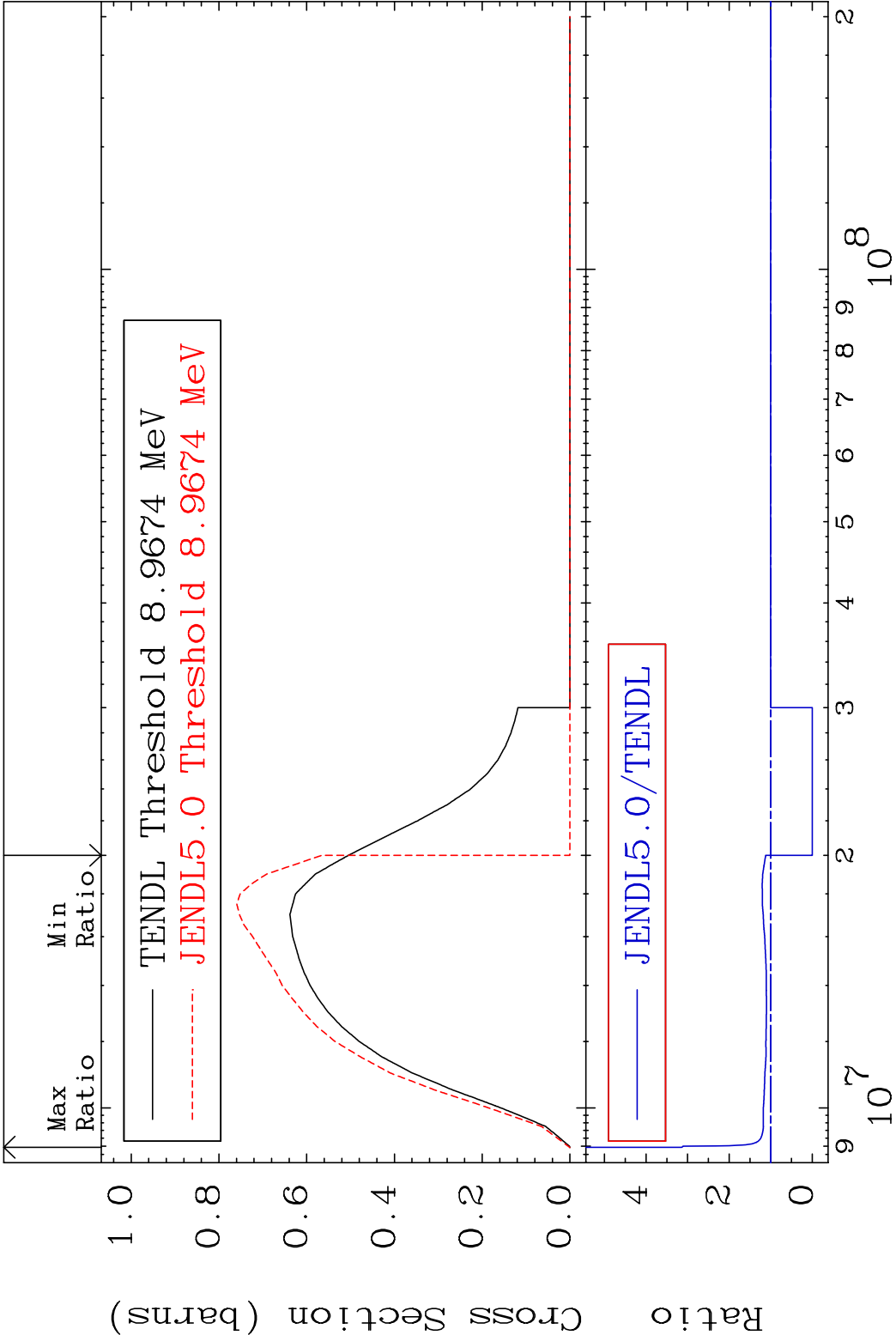


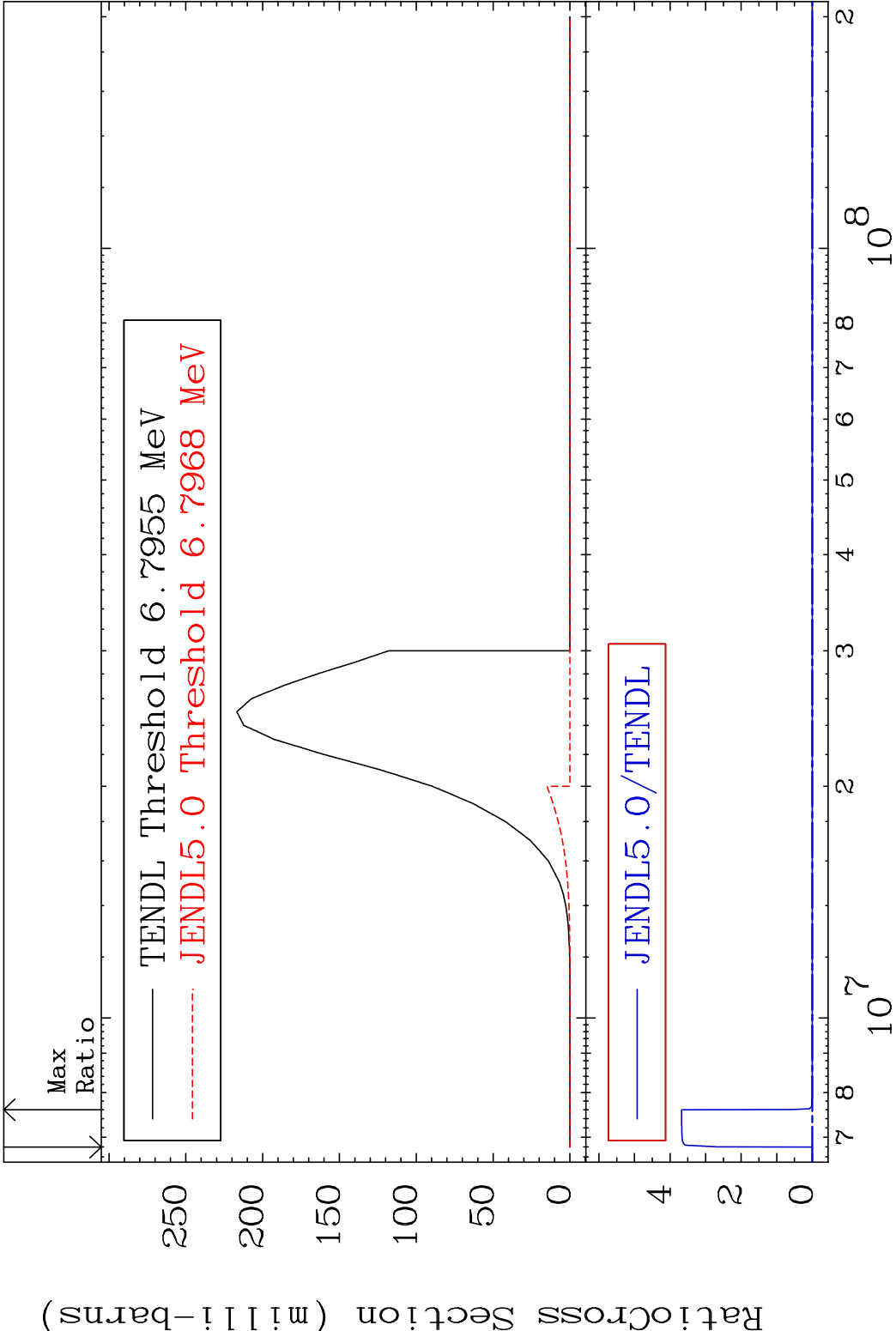


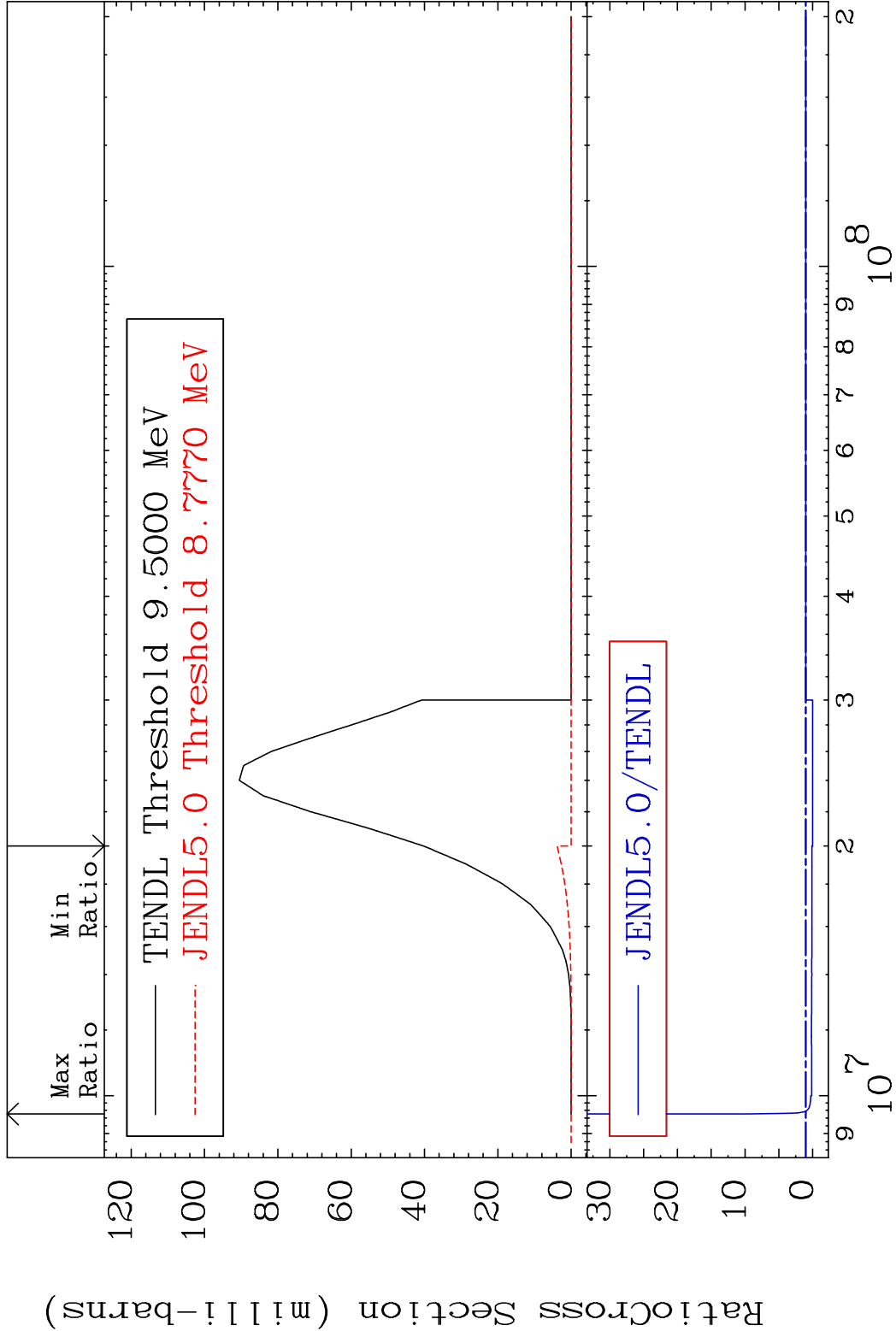
MAT 5531 Dpa disappearance (mt102 -120) 55-Cs-135
Cross Section -100.0 To 9999. %

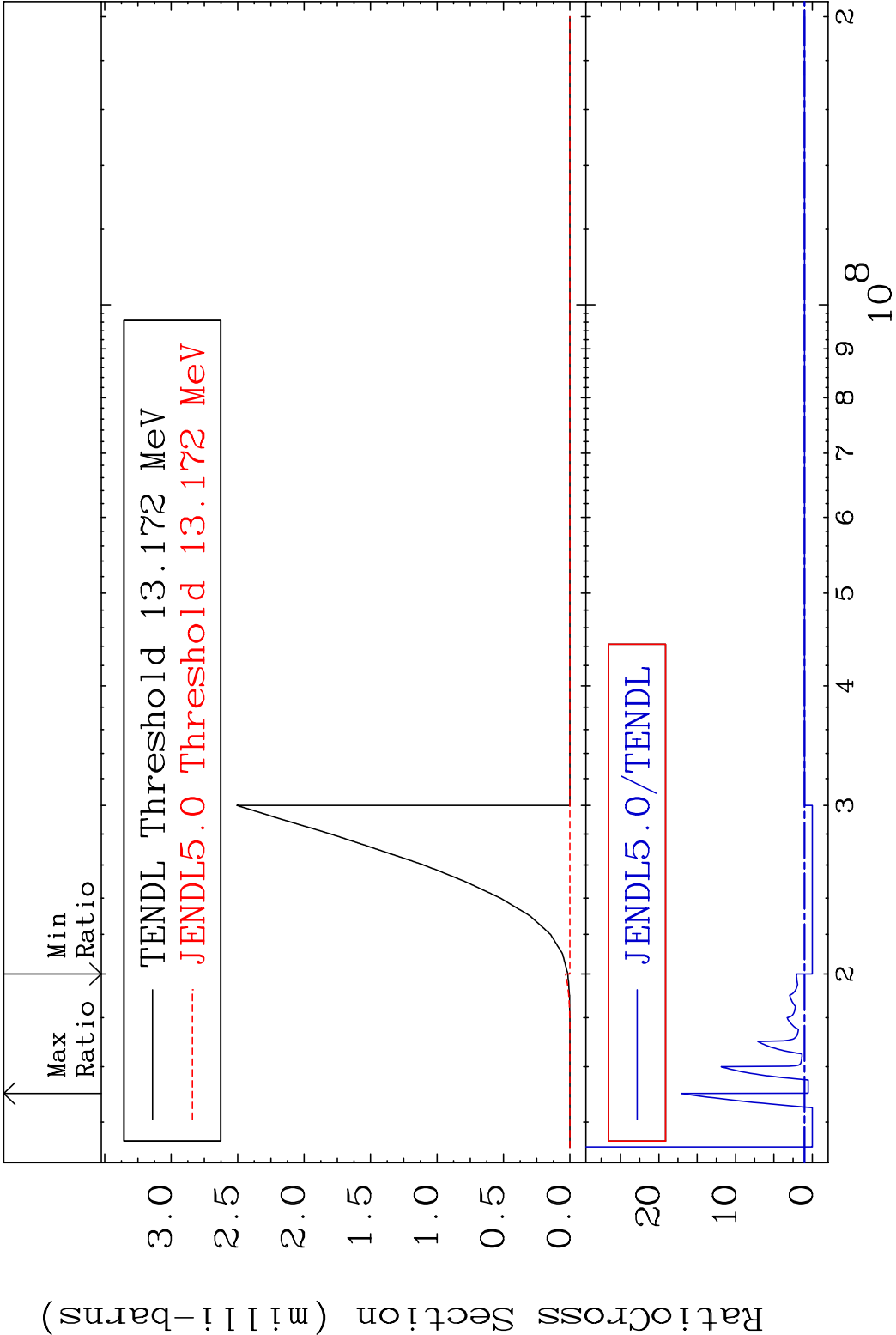


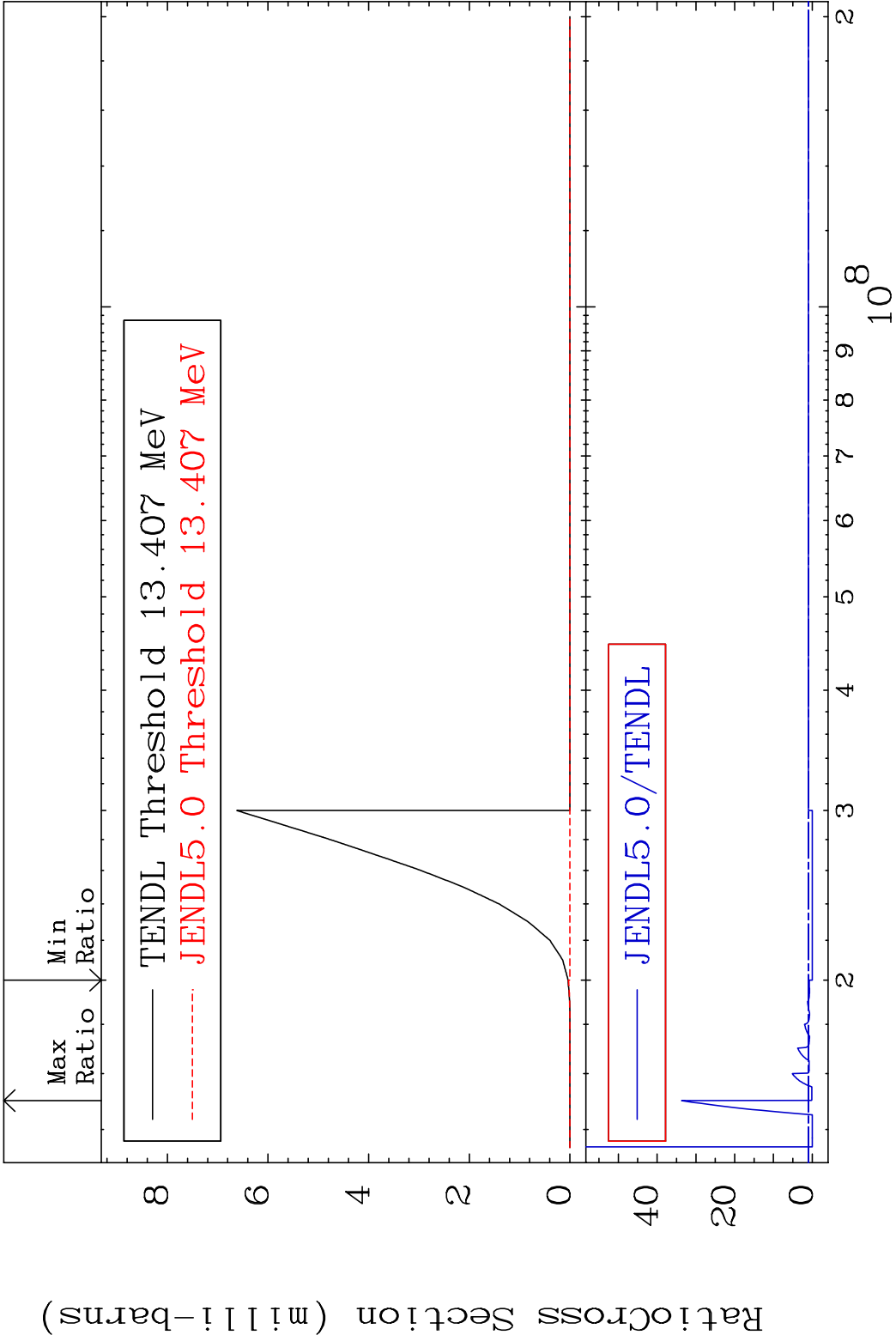


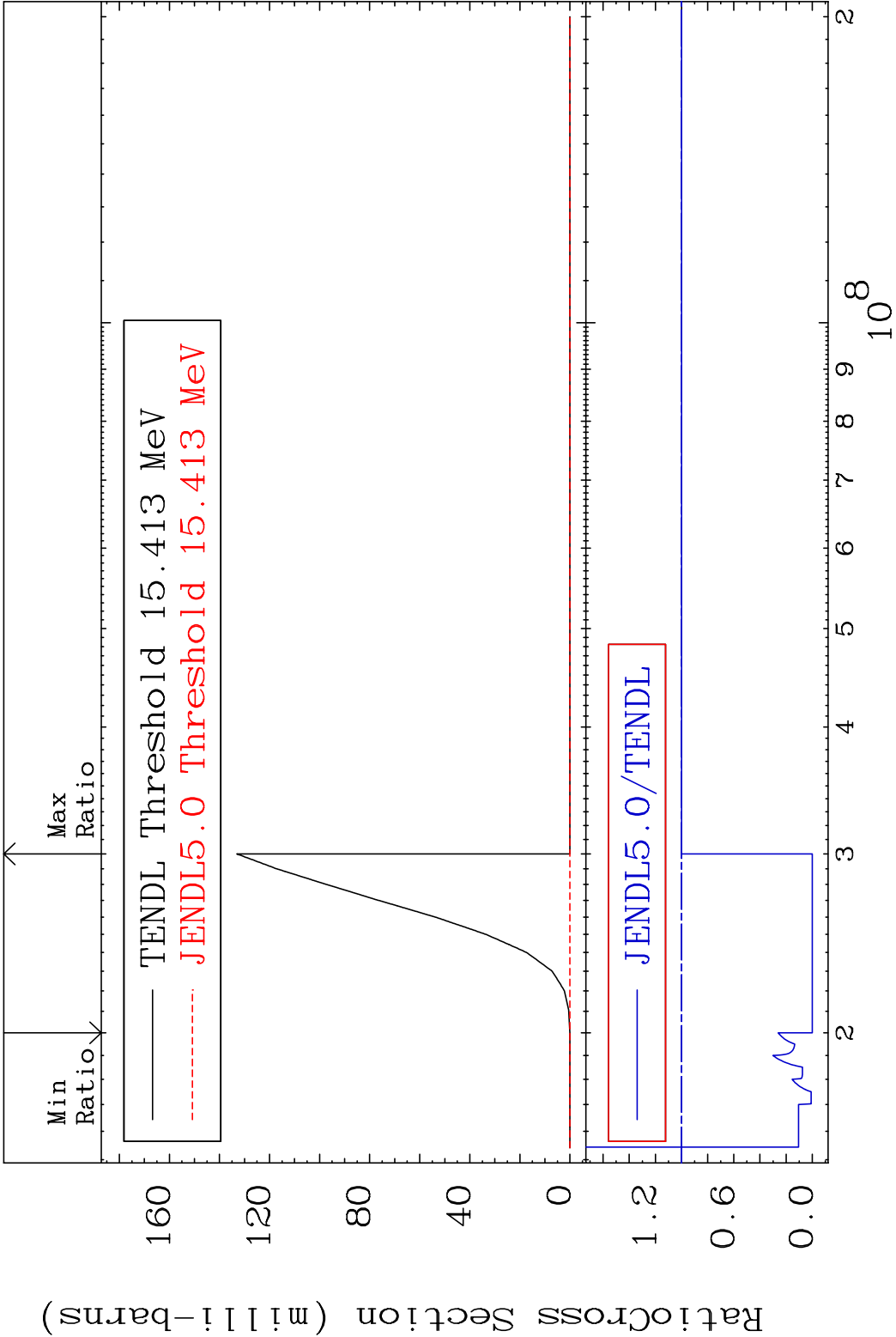


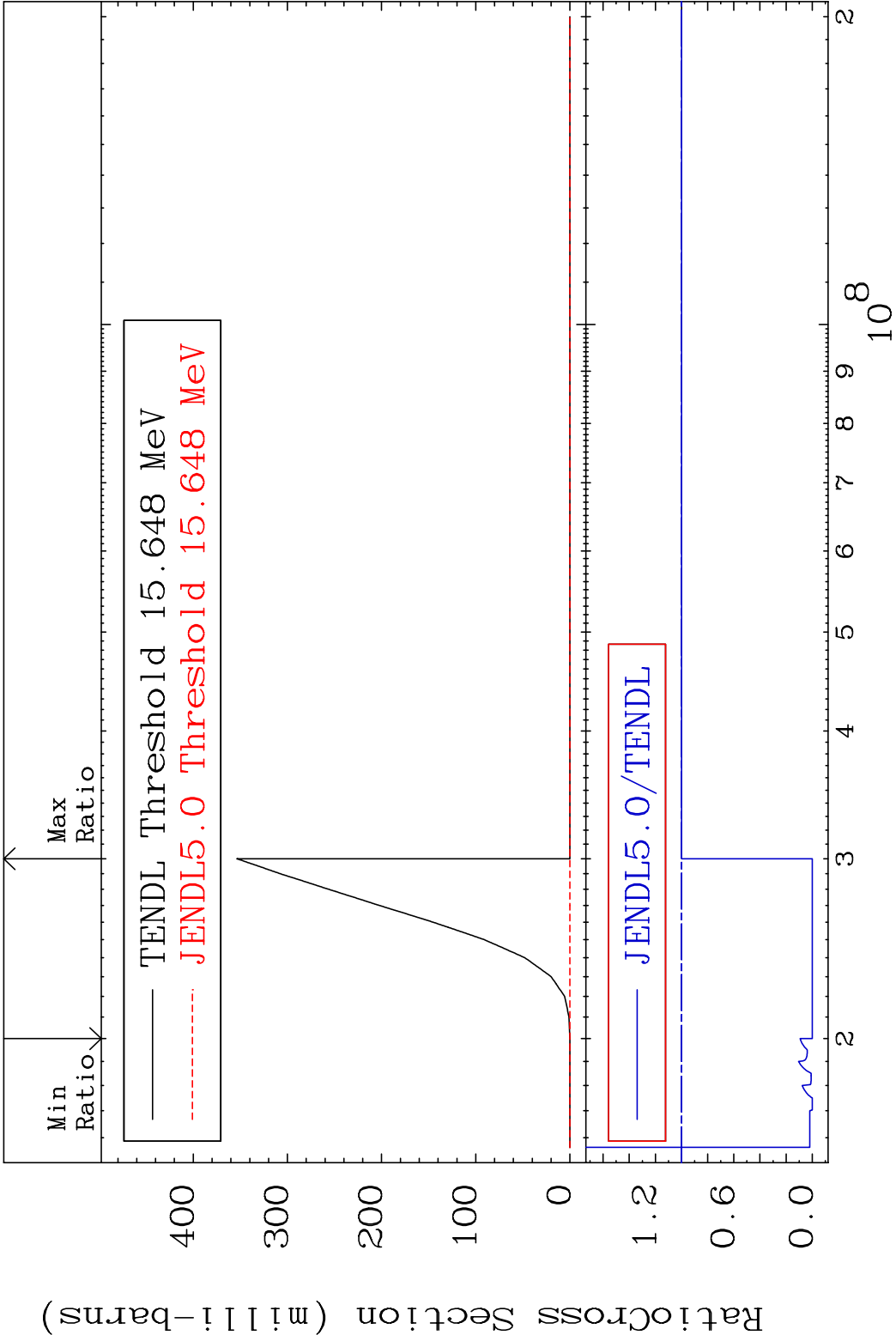


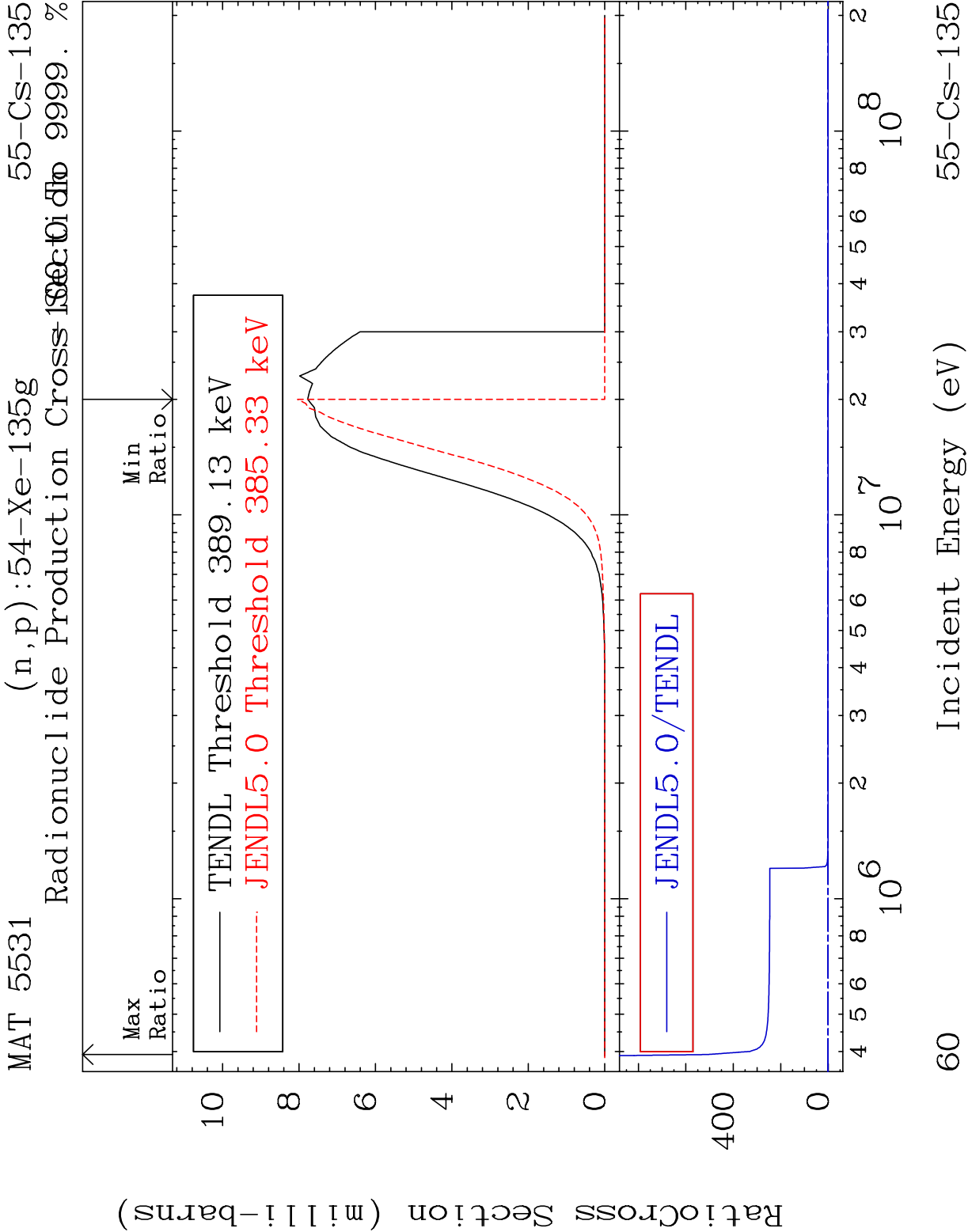


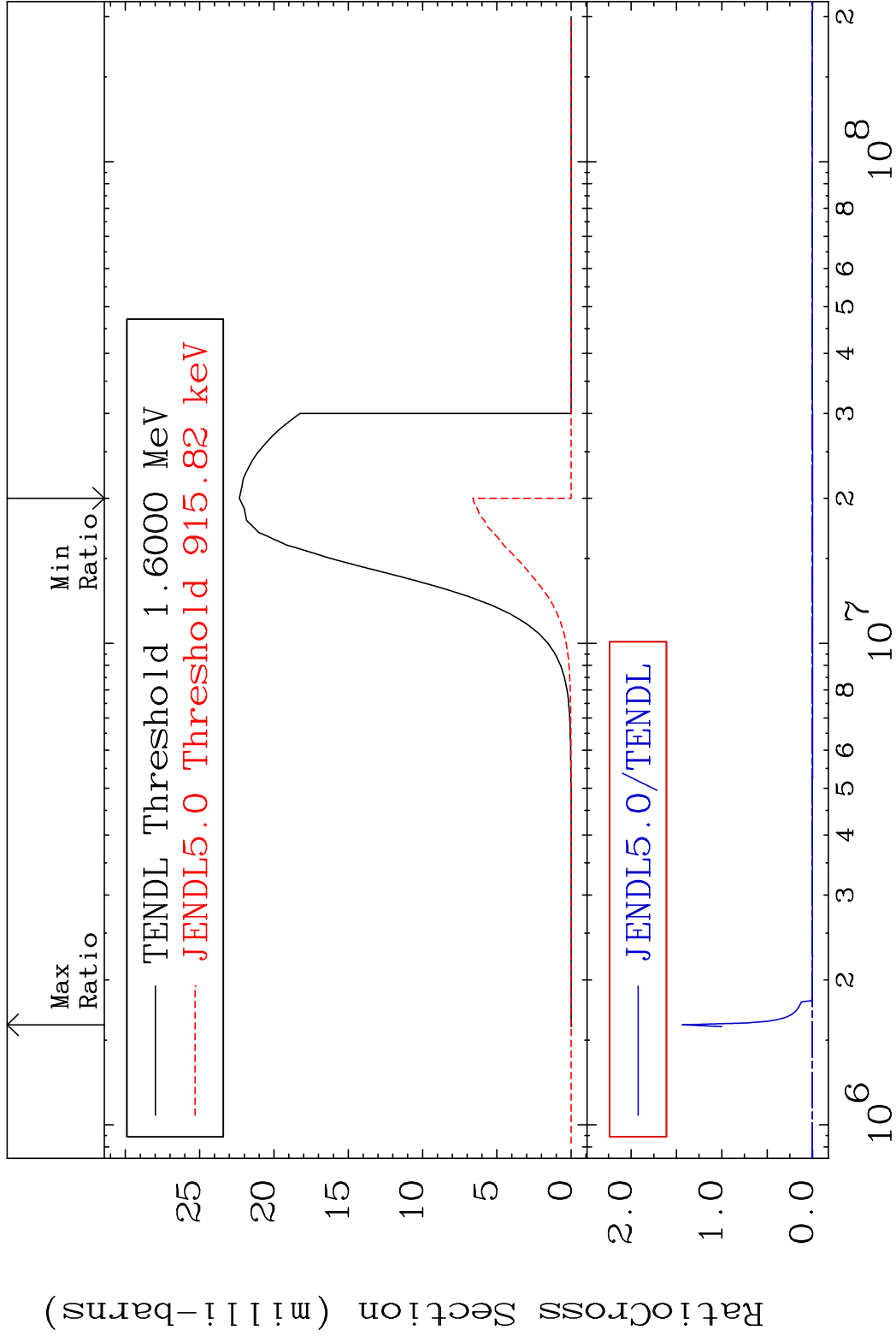


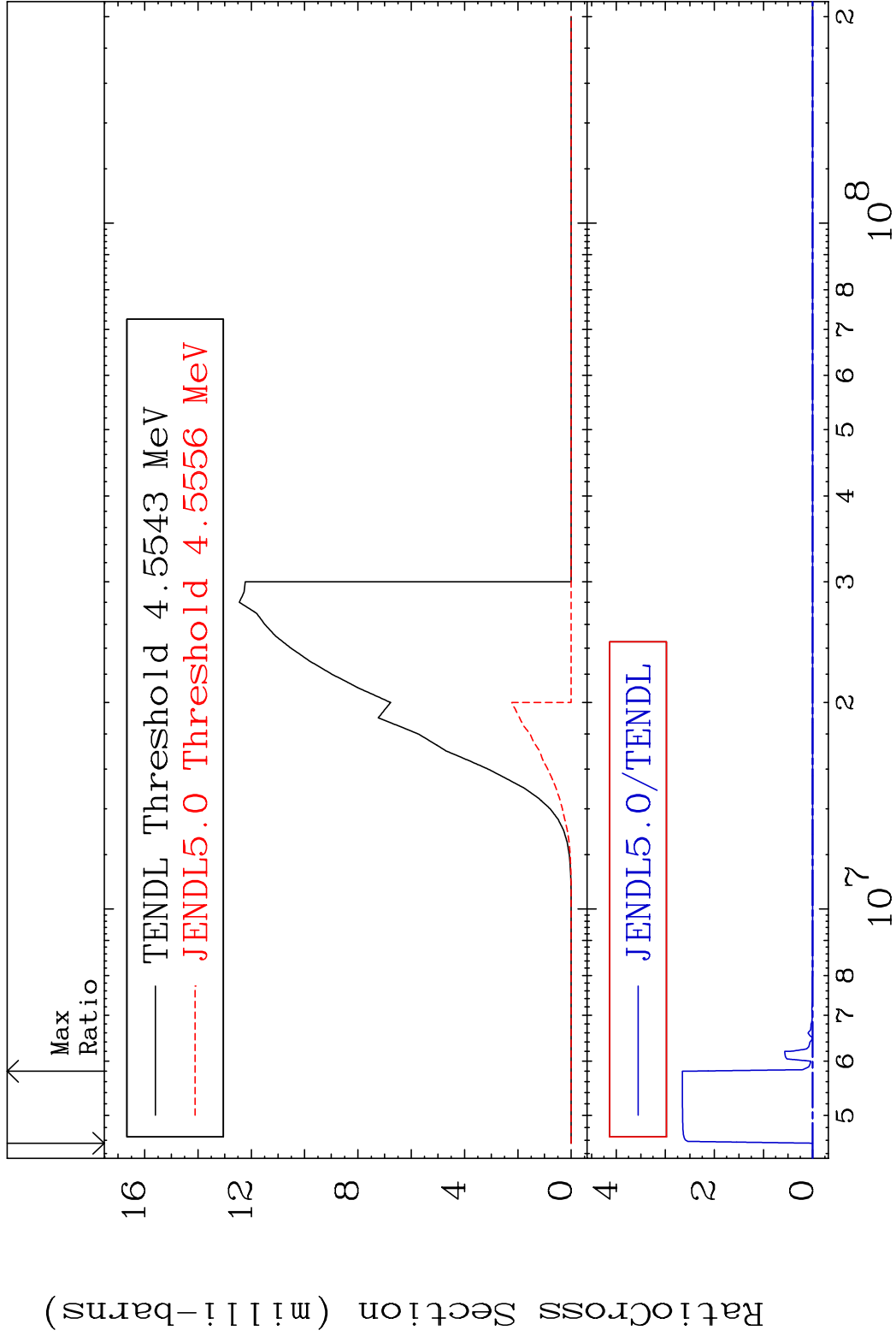


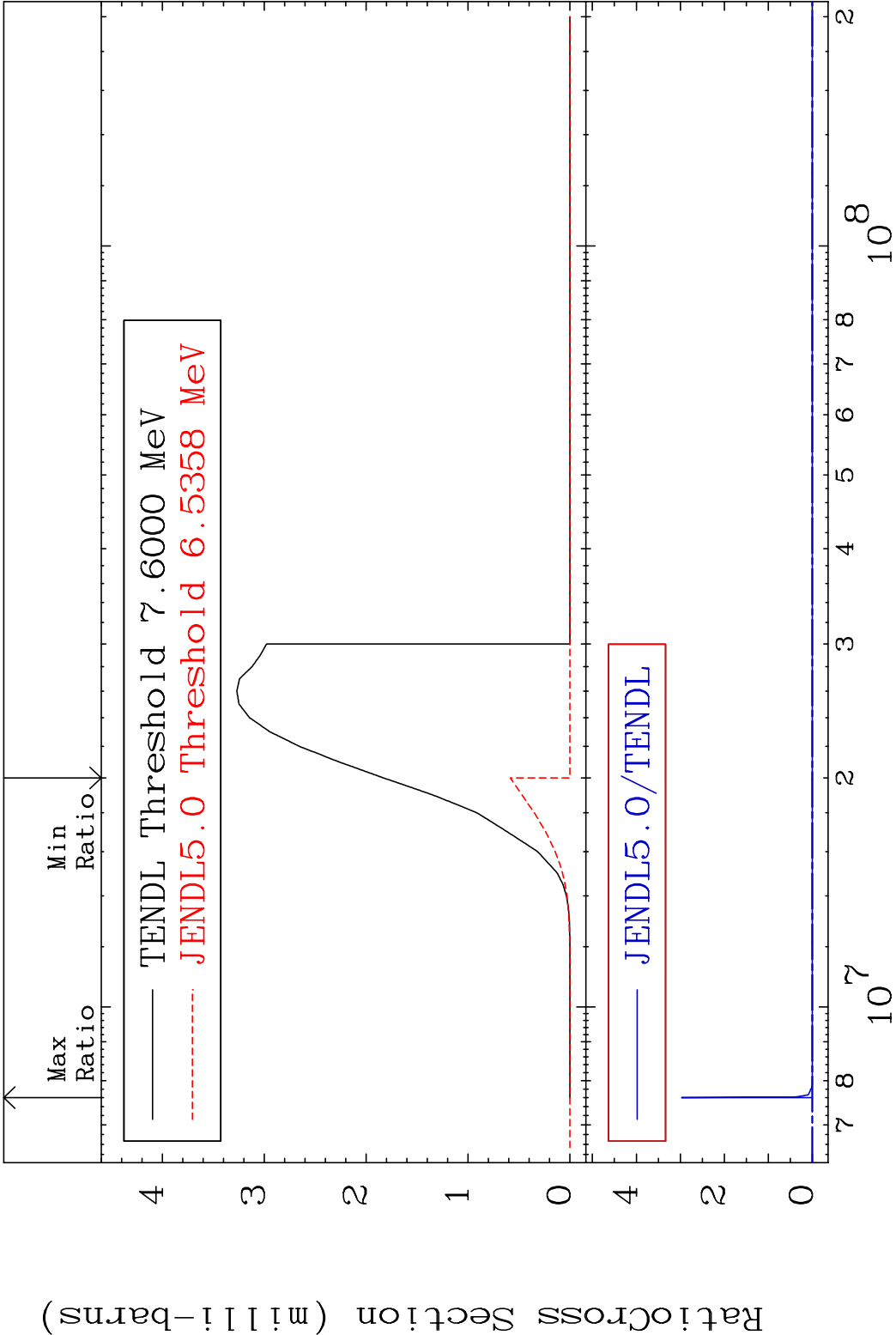


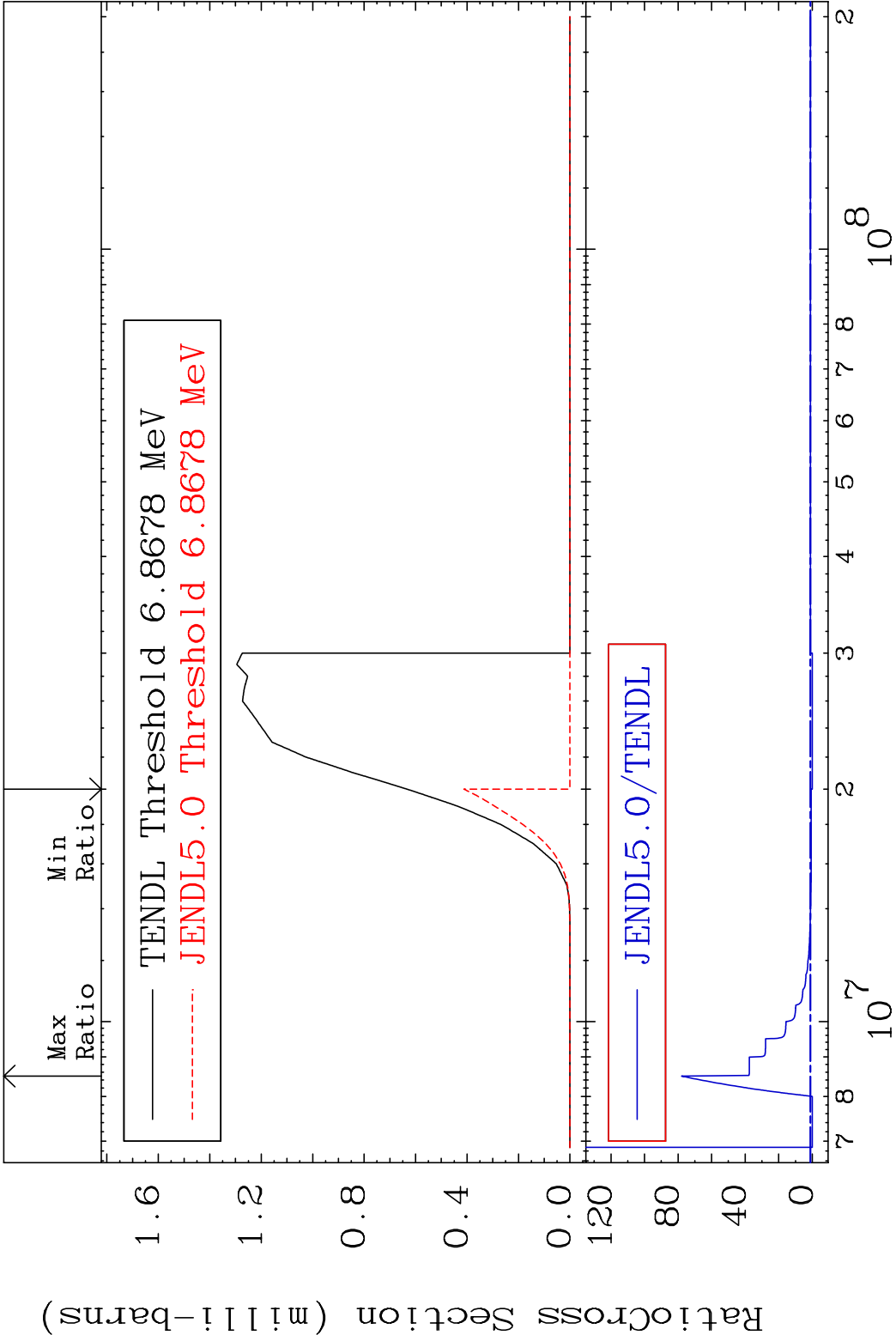


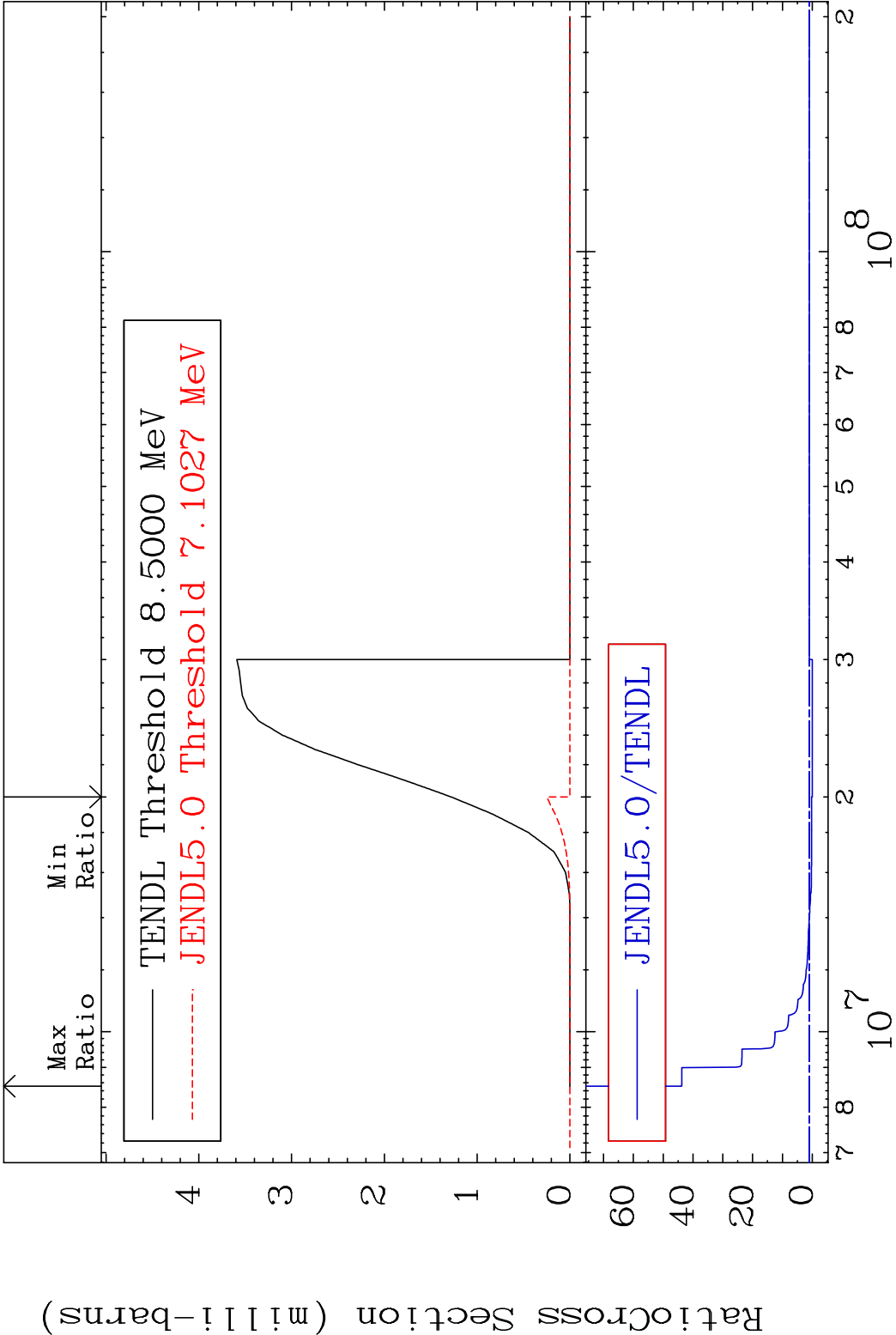








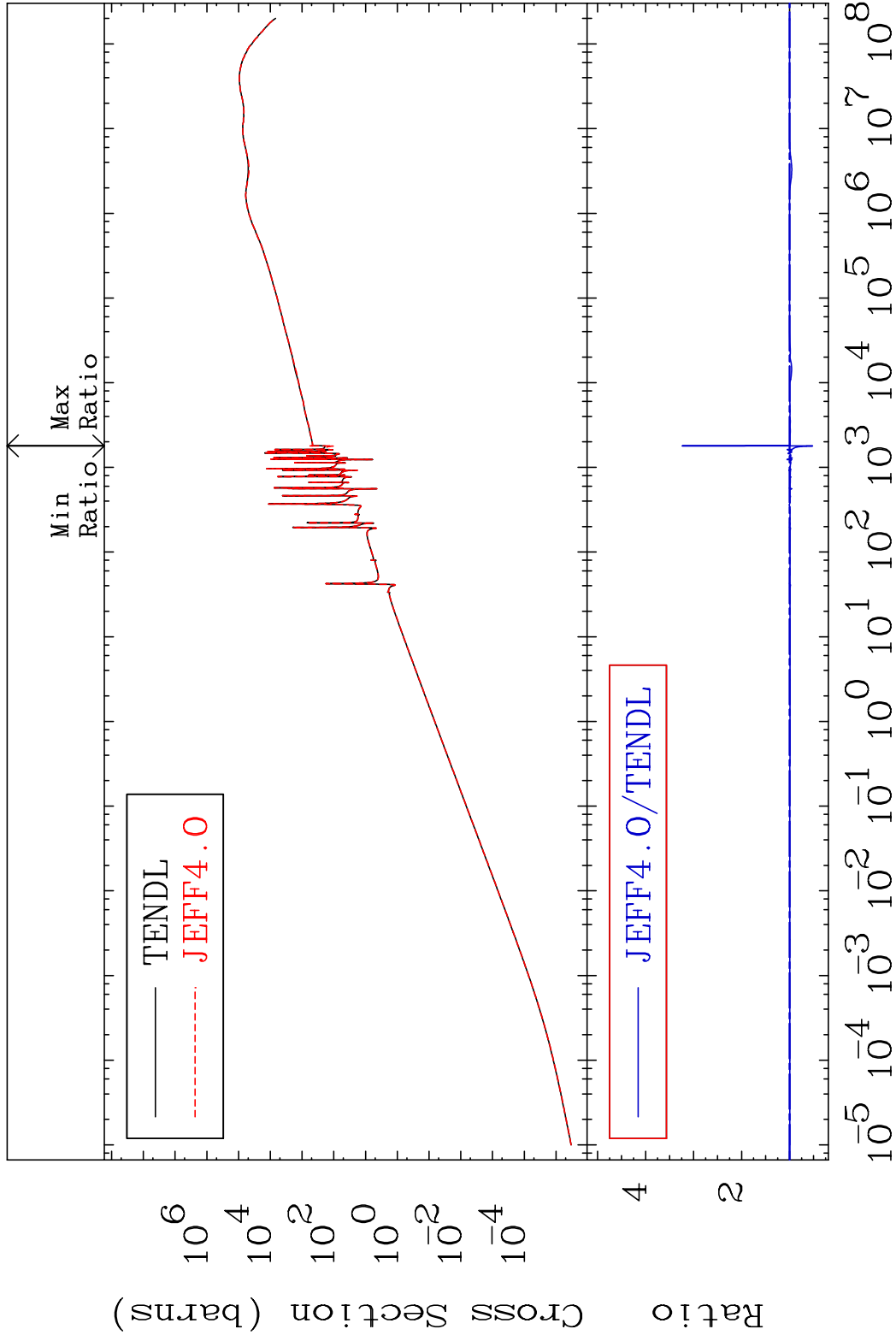




MAT 5531

Kerma elastic
Cross Section

55-Cs-135
-47.81 To 223.4 %

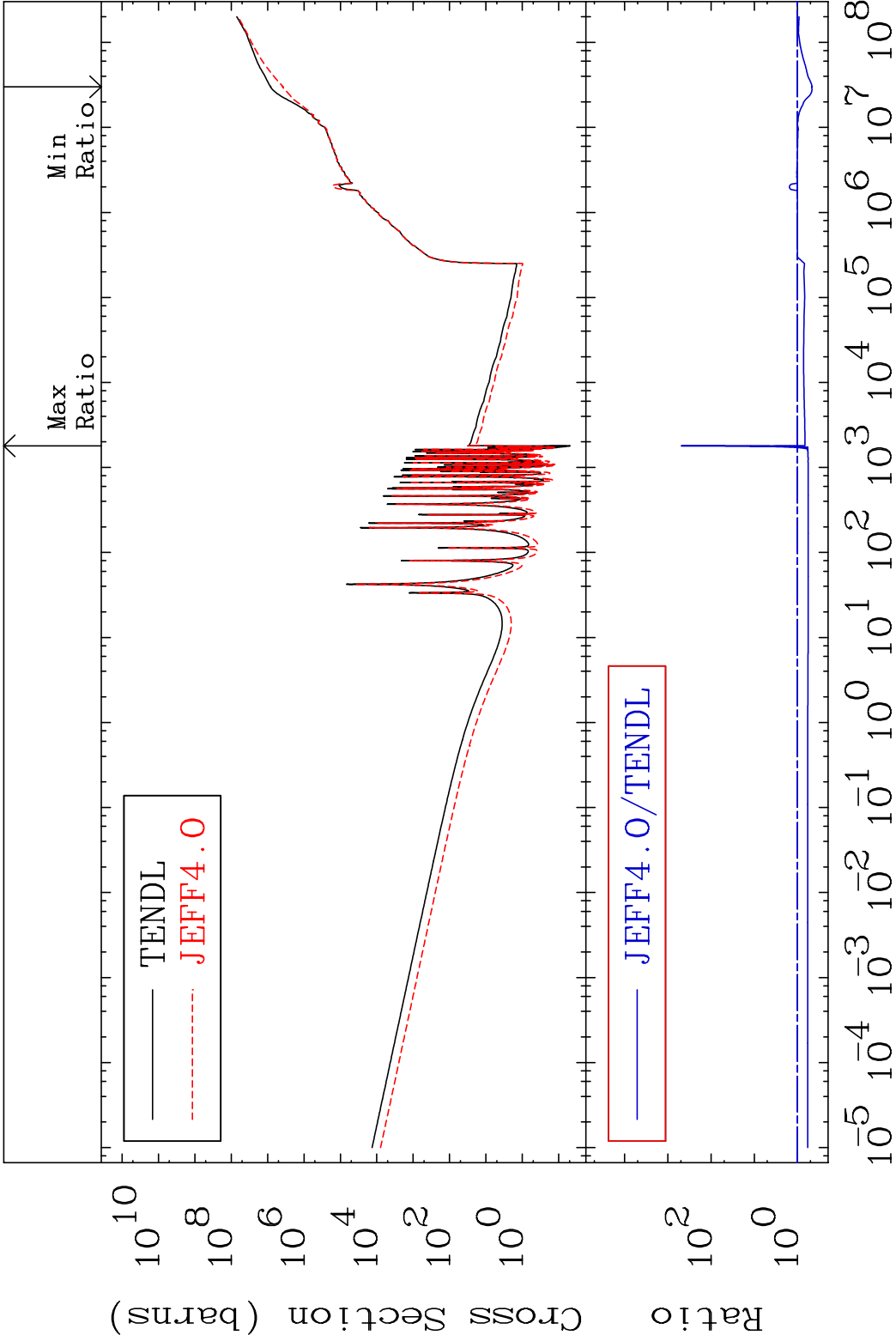


66

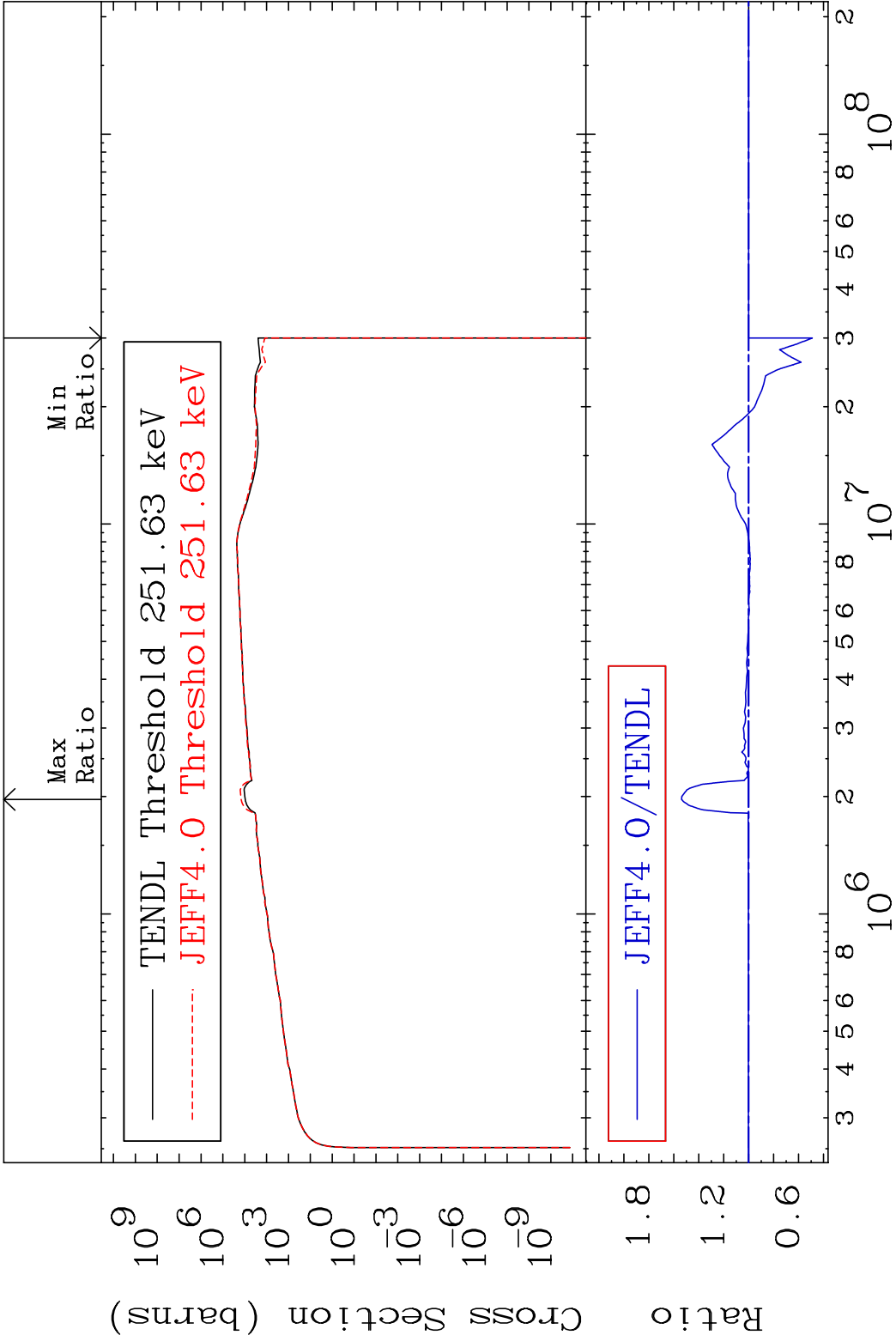
Incident Energy (eV)

55-Cs-135

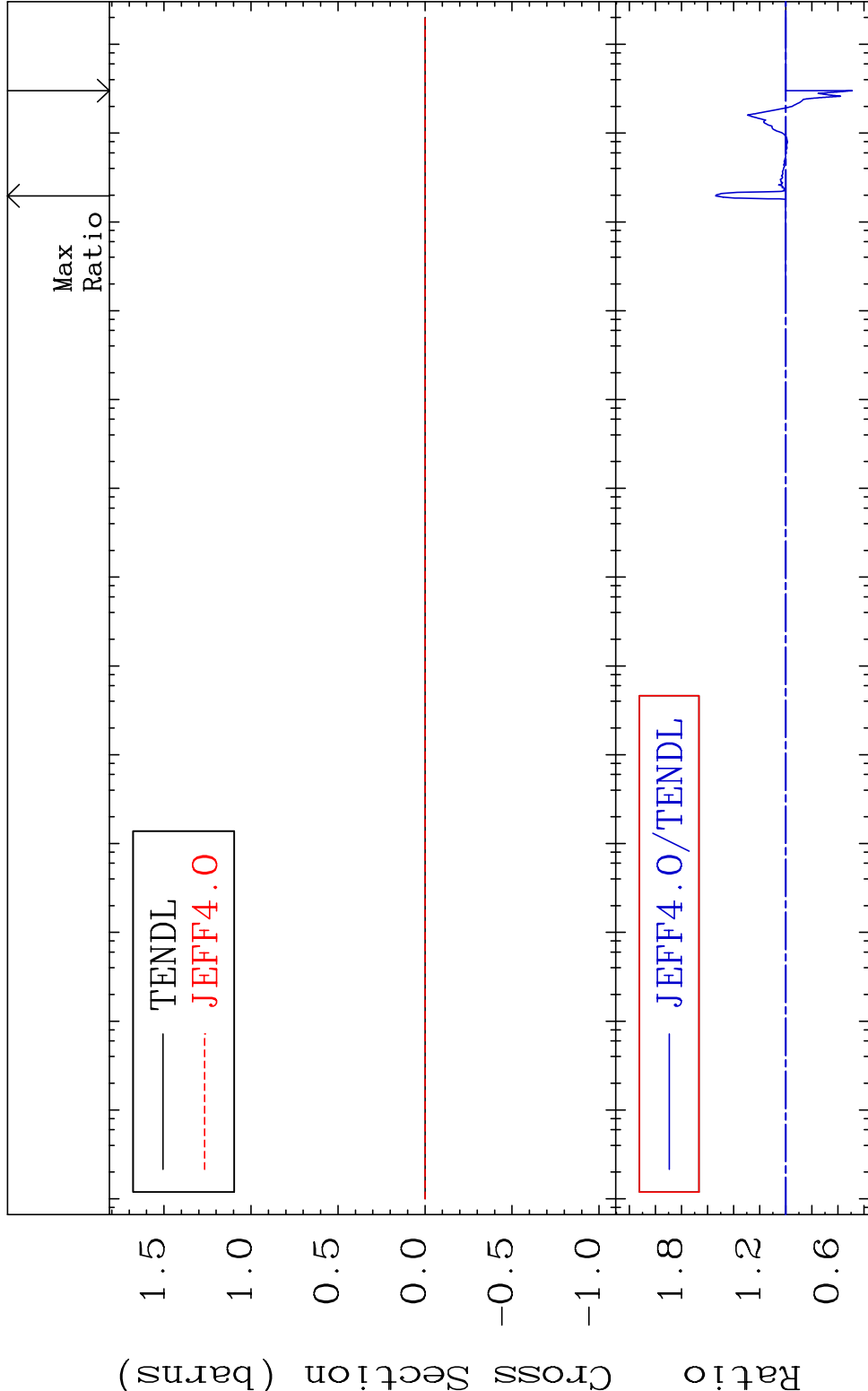
MAT 5531 Kerma non-elastic (all but mt2) 55-Cs-135
Cross Section -54.41 To 9999. %



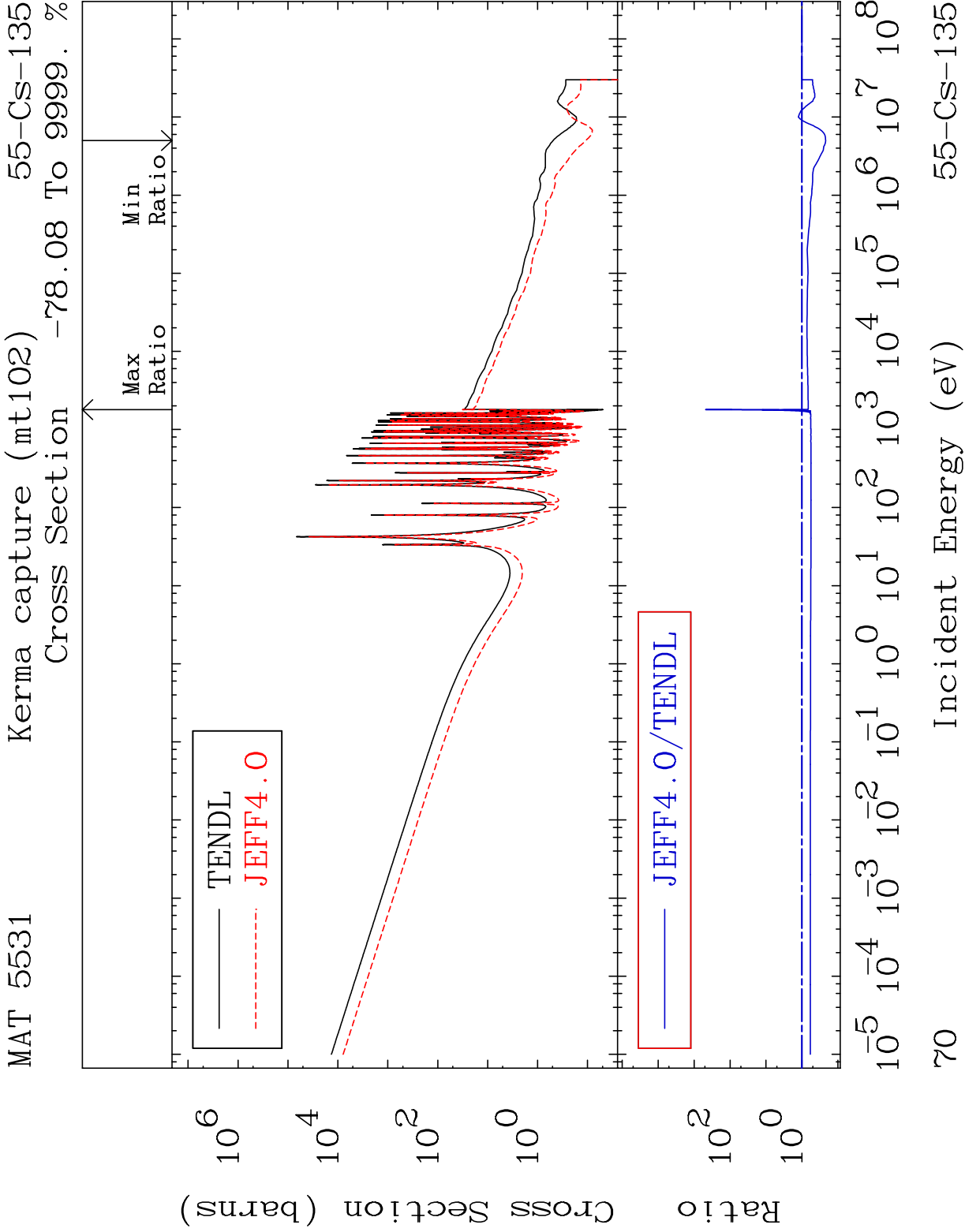
67 Incident Energy (eV) 55-Cs-135

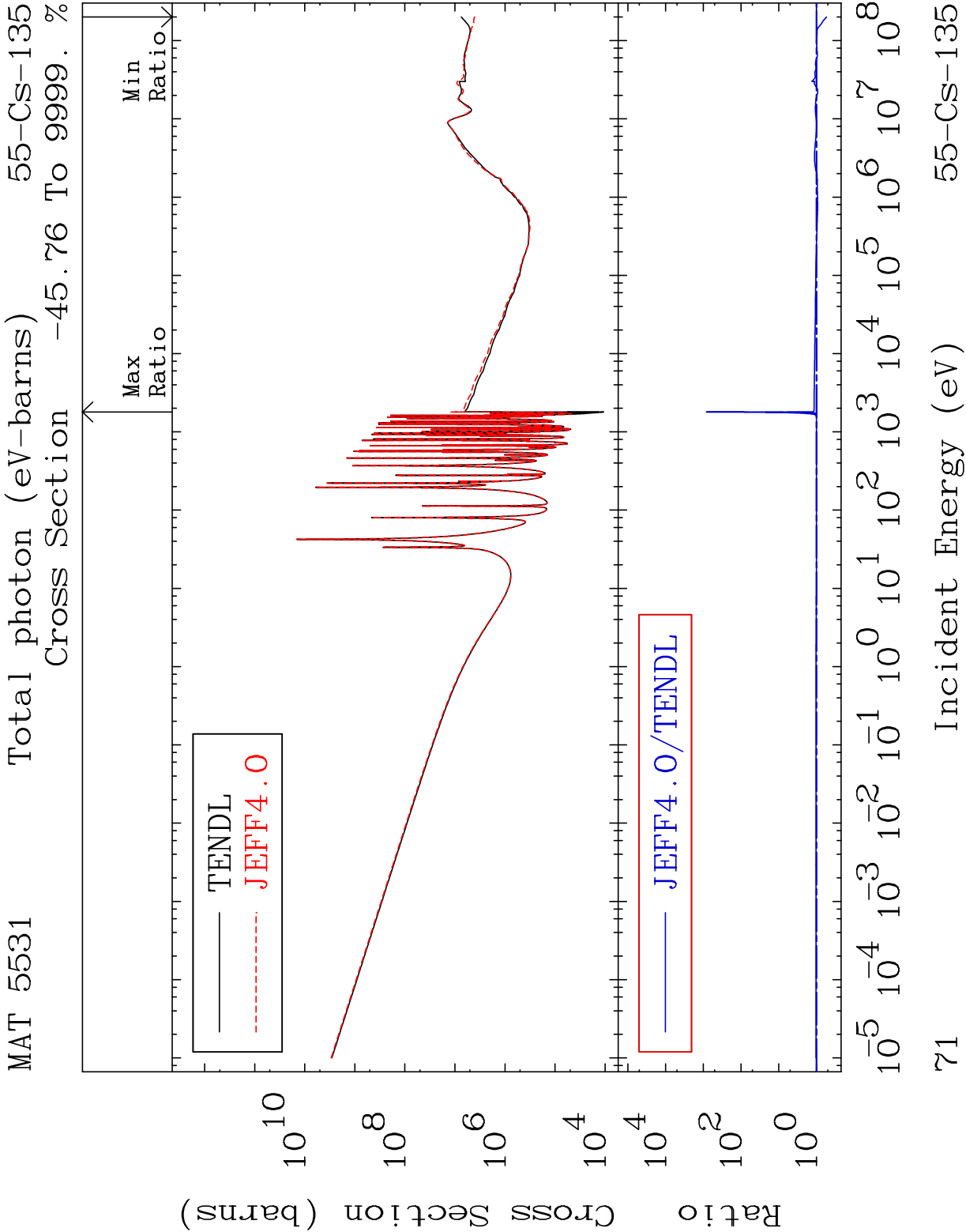


MAT 5531 Kerma fission (mt18 or mt19-20-21-38)55-Cs-135
Cross Section -50.97 To 53.85 %

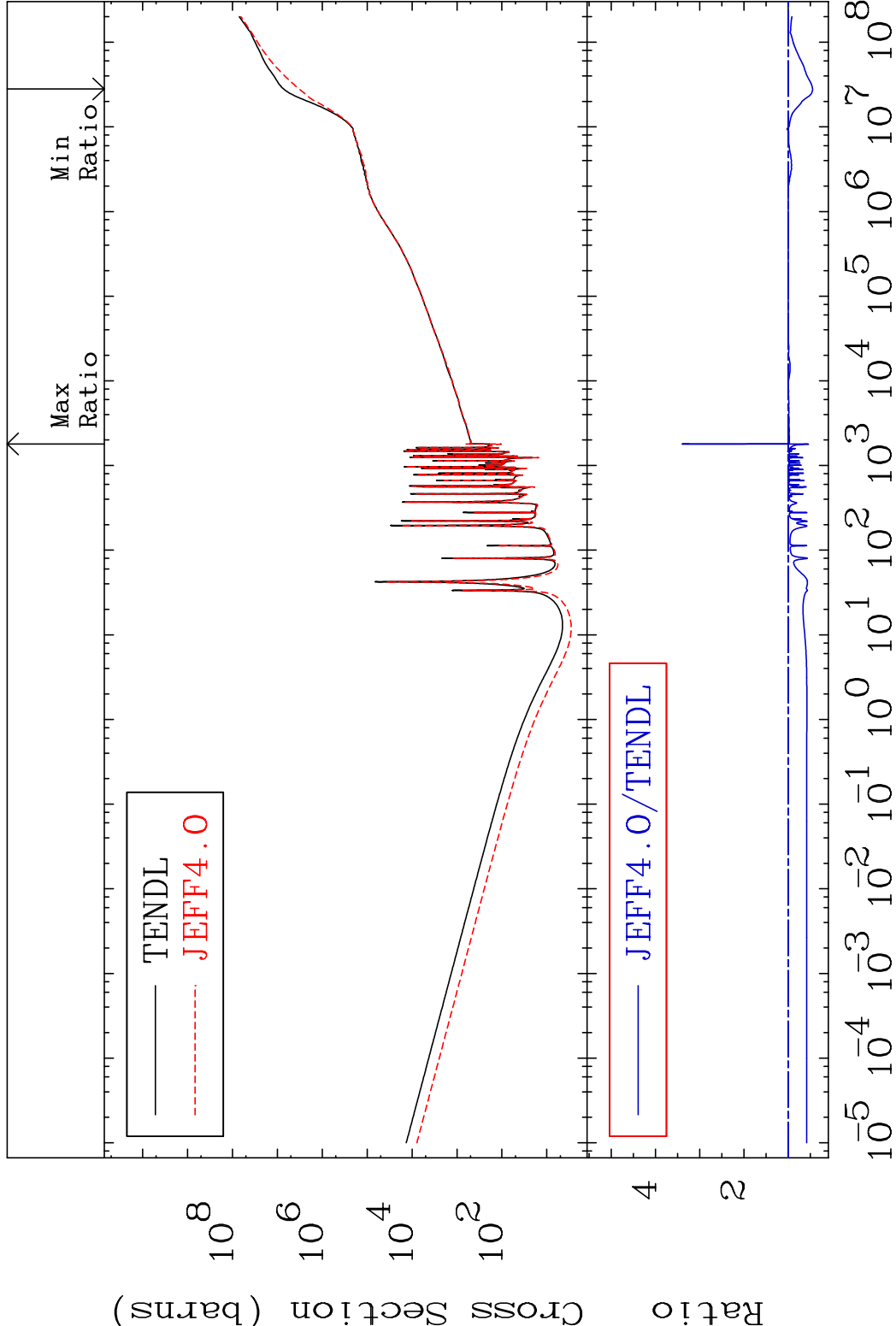


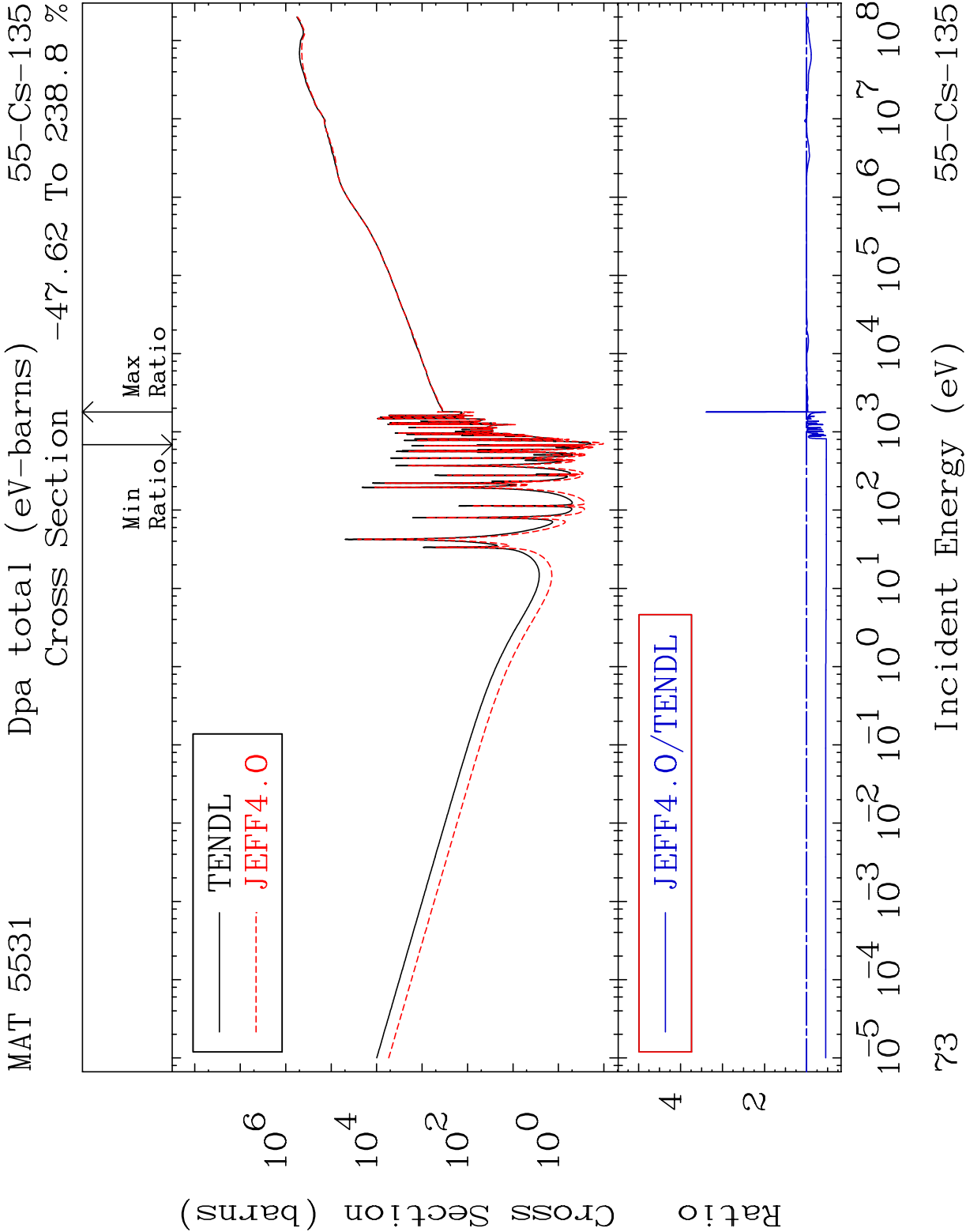
69 Incident Energy (eV) 55-Cs-135



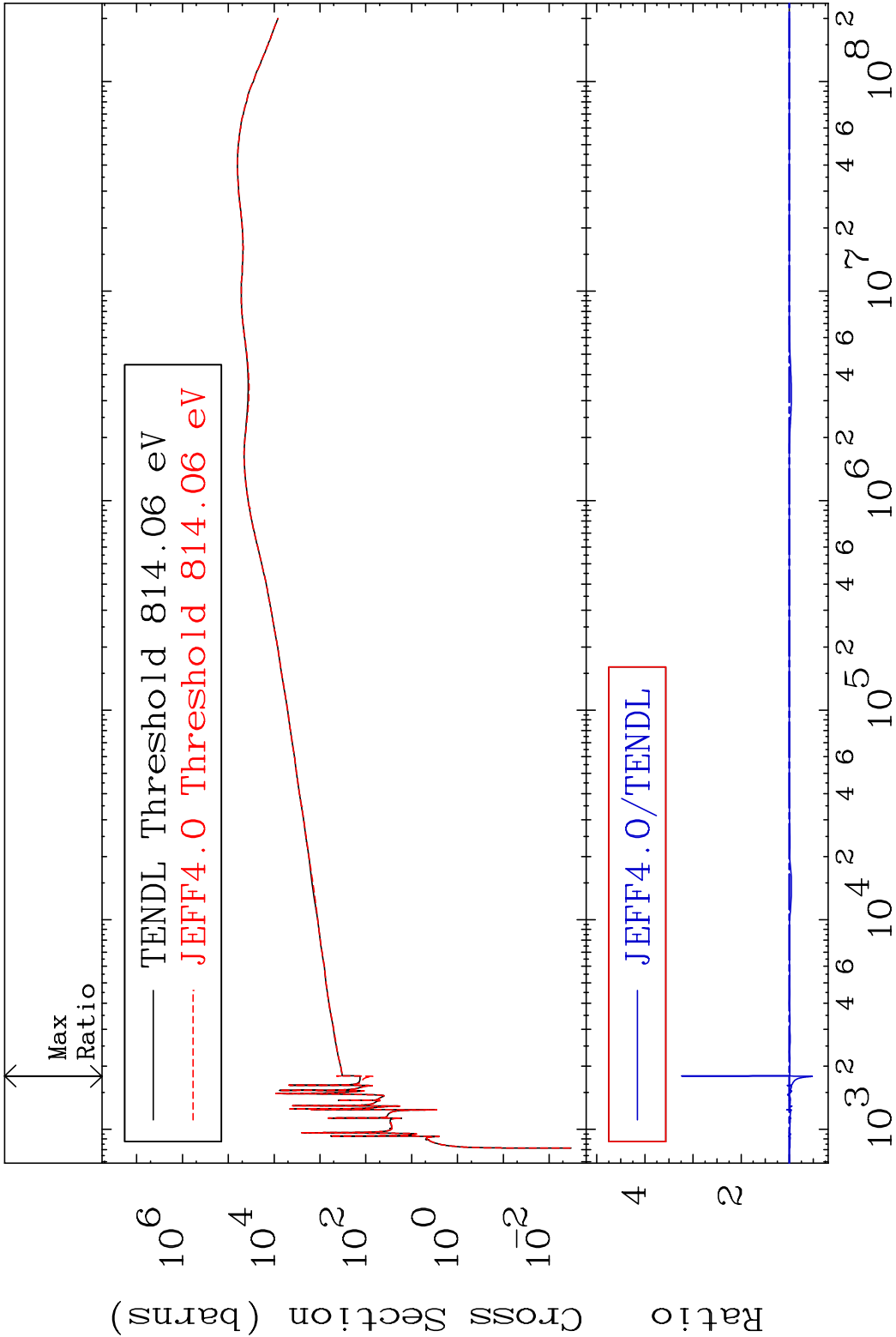


MAT 5531 Total kinematic kerma (high limit) 55-Cs-135
Cross Section -55.08 To 239.2 %



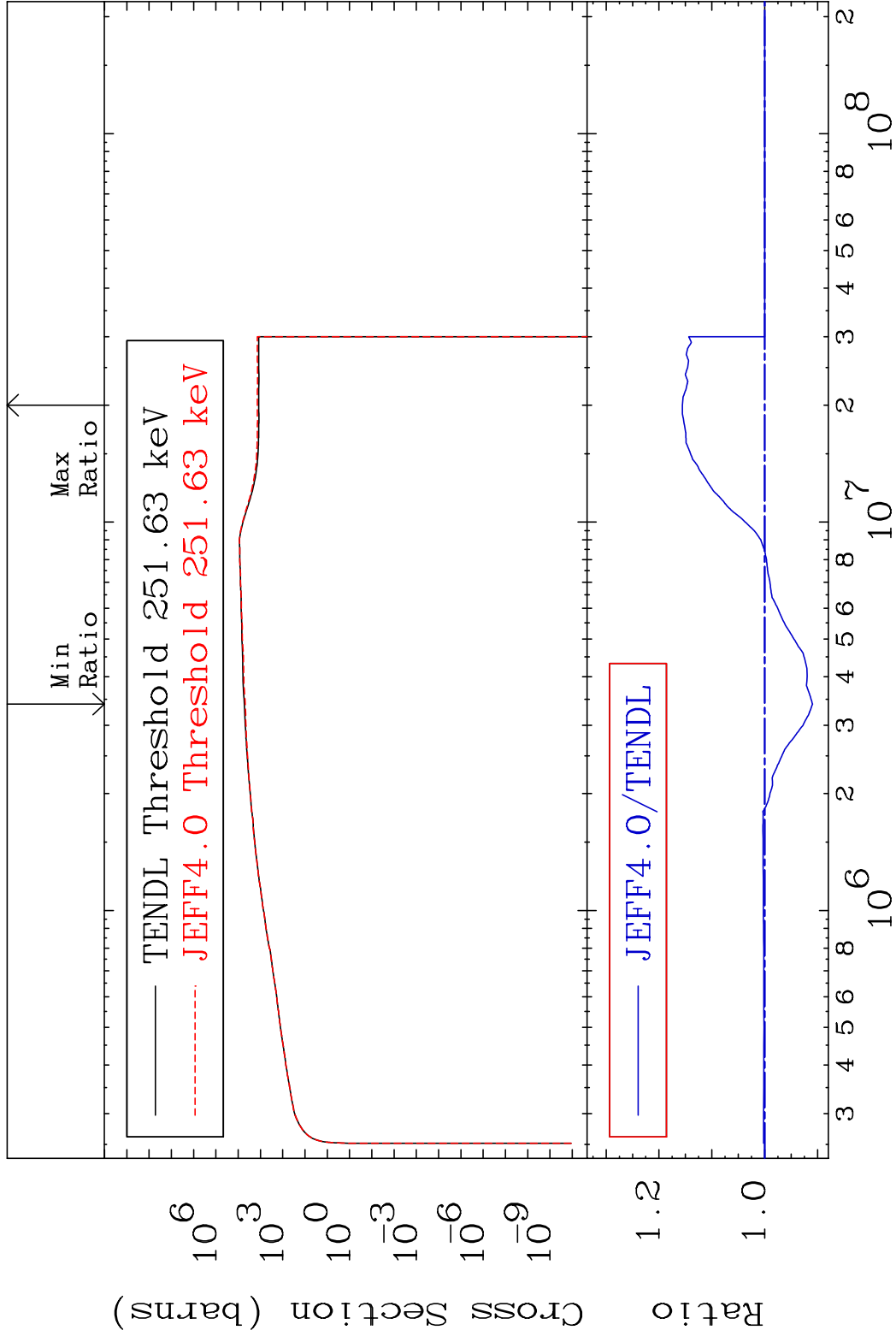


MAT 5531 Dpa elastic (mt2) 55-Cs-135
Cross Section -47.81 To 223.4 %

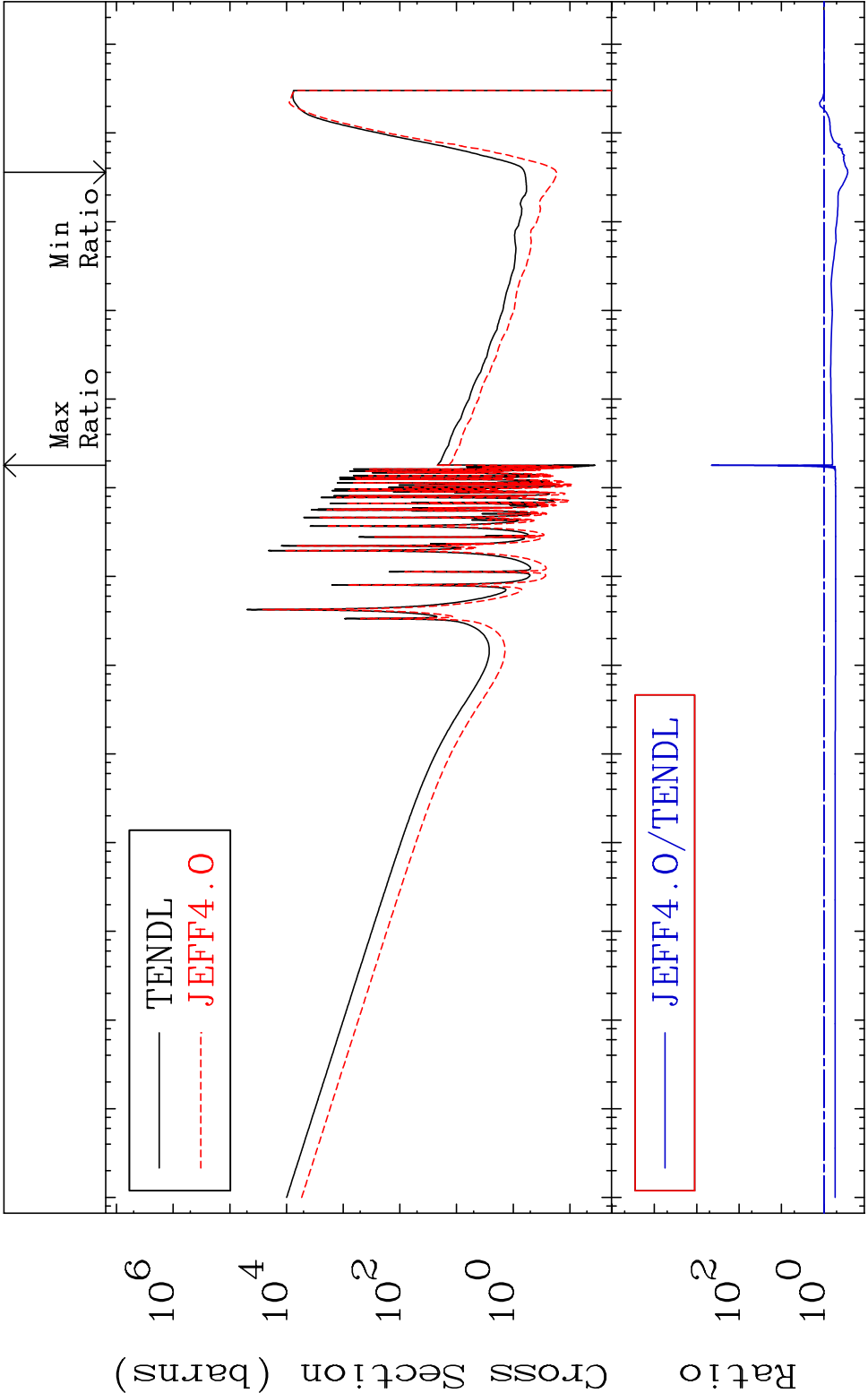


74 Incident Energy (eV) 55-Cs-135

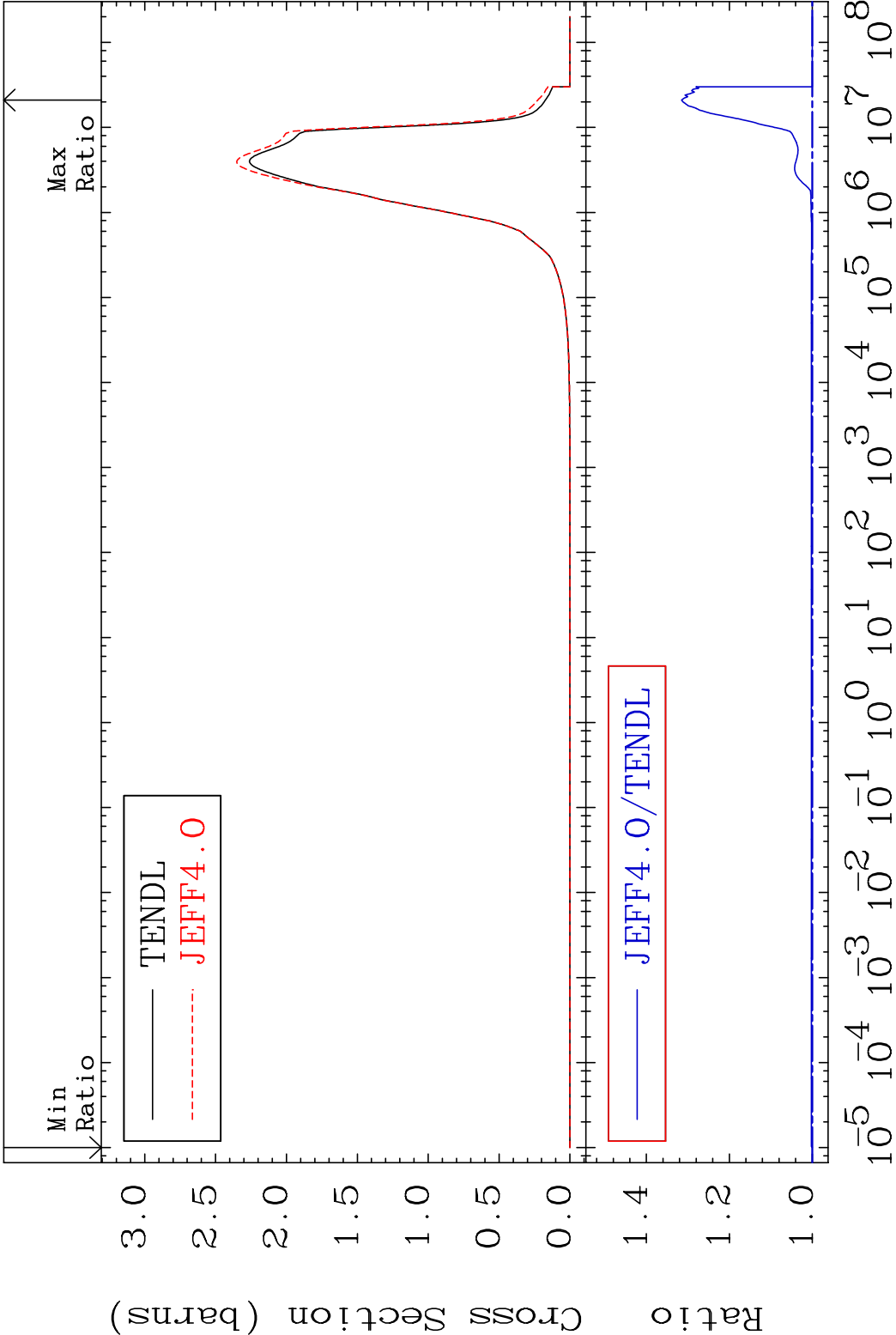
MAT 5531 Dpa inelastic (mt51-91) 55-Cs-135
Cross Section -9.050 To 15.58 %

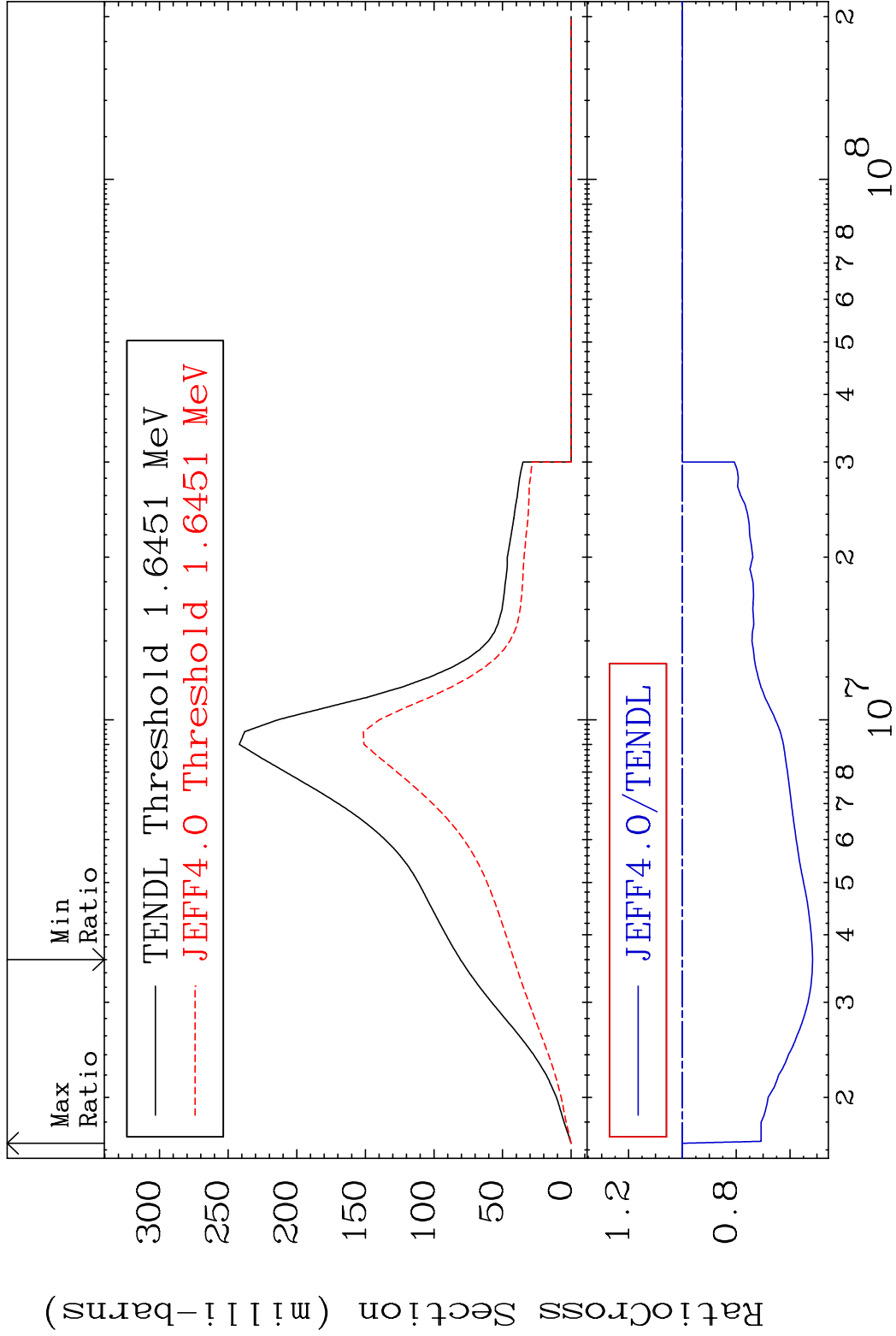


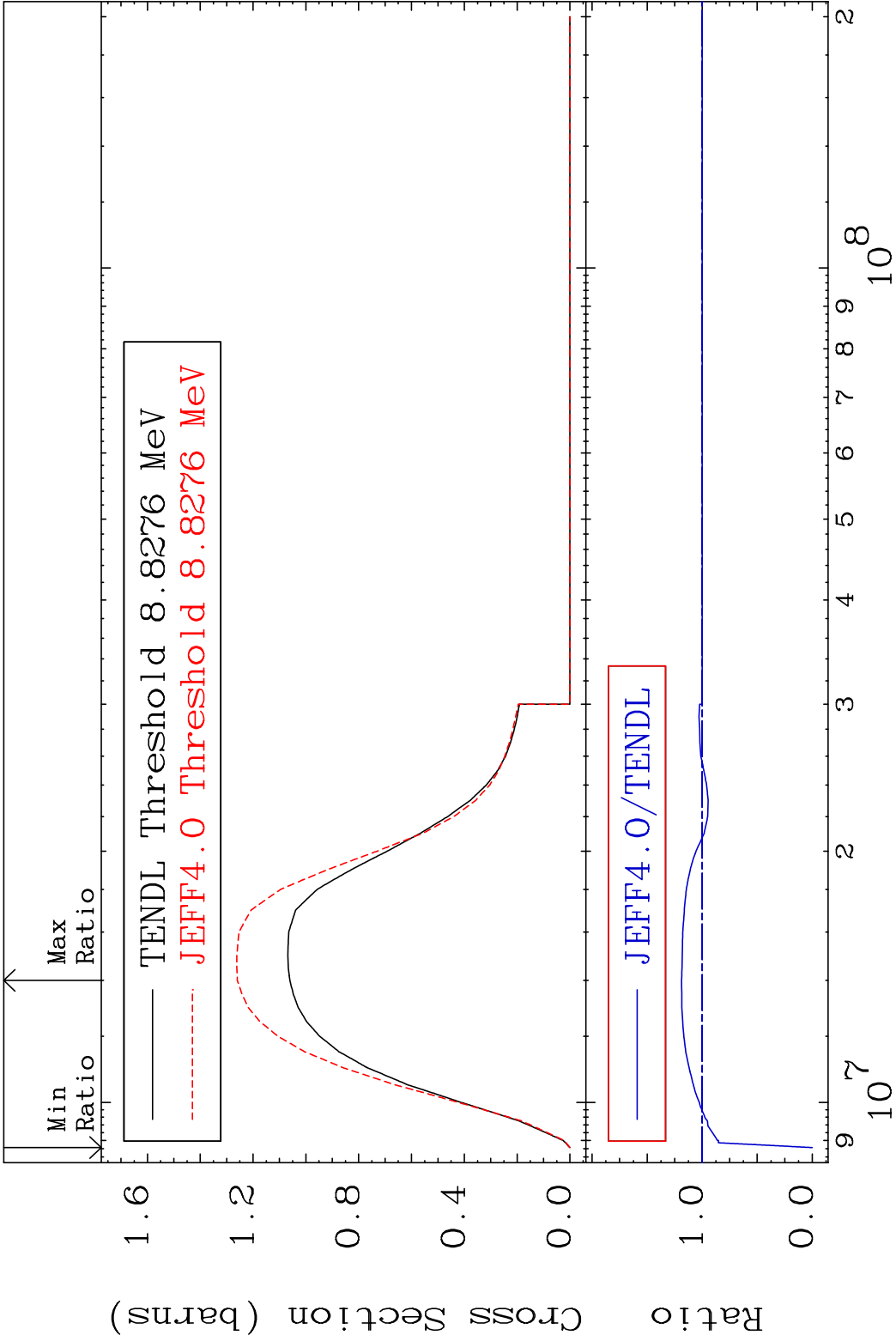
MAT 5531 Dpa disappearance (mt102 -120) 55-Cs-135
Cross Section -72.67 To 9999. %

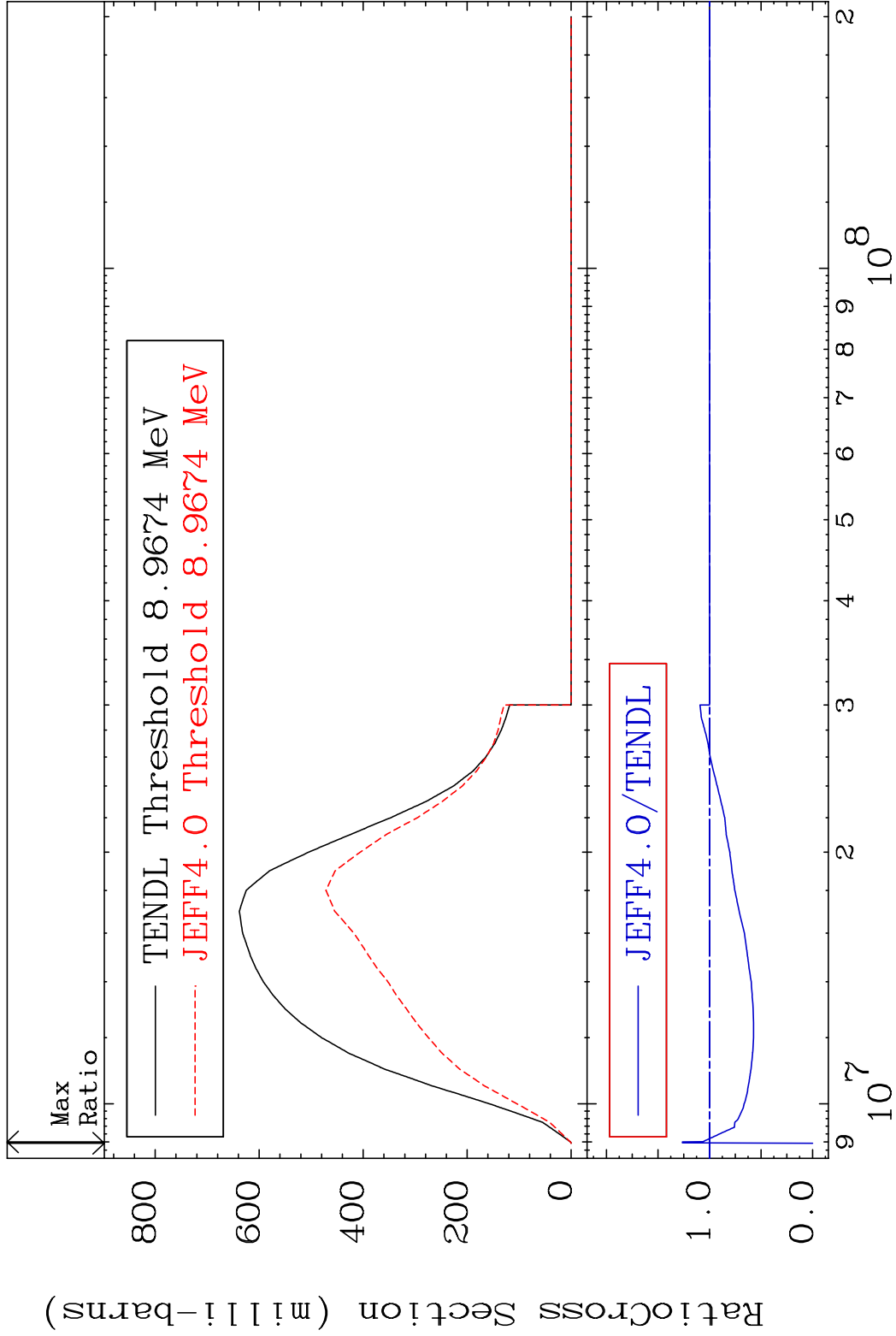


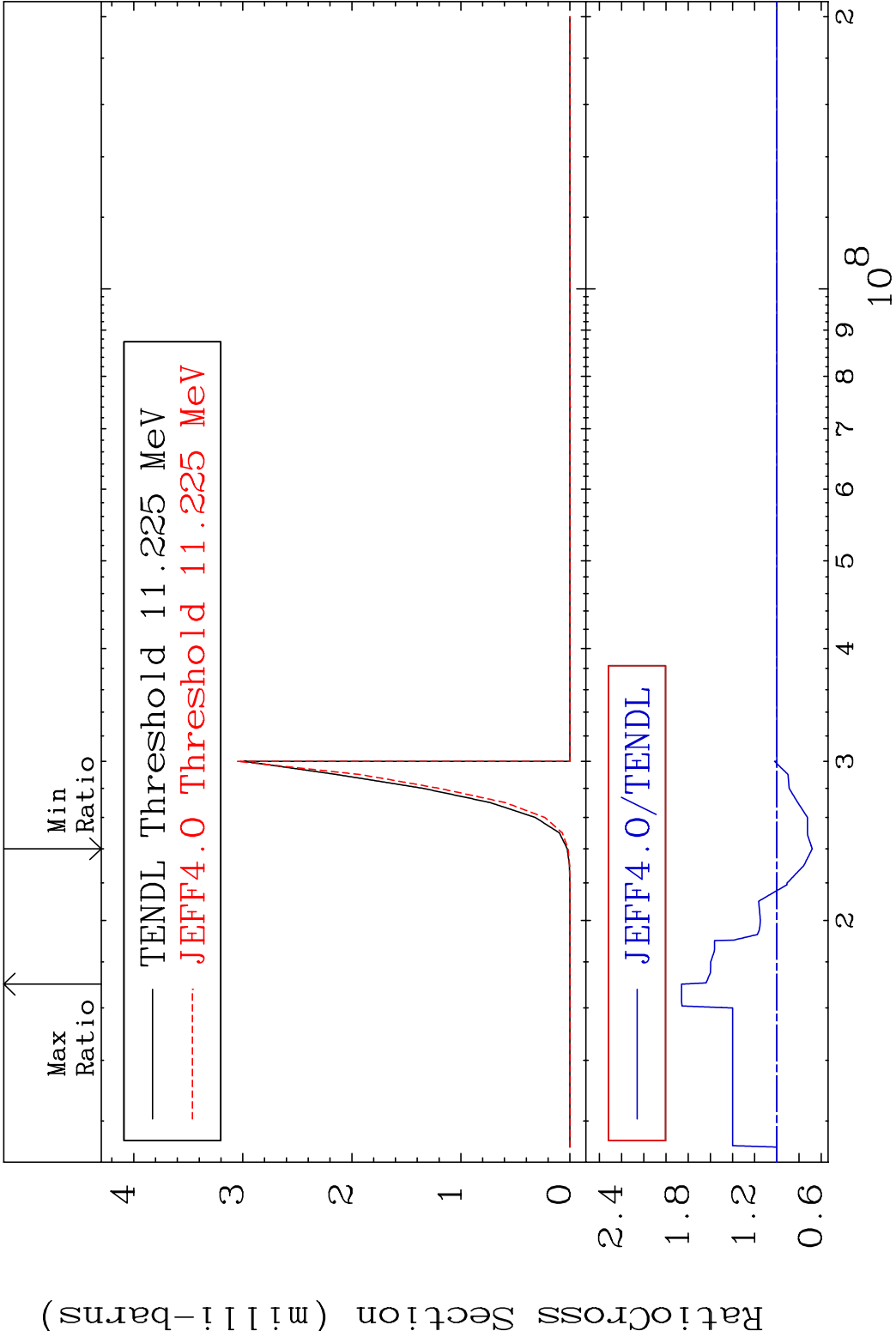
76 Incident Energy (eV) 55-Cs-135

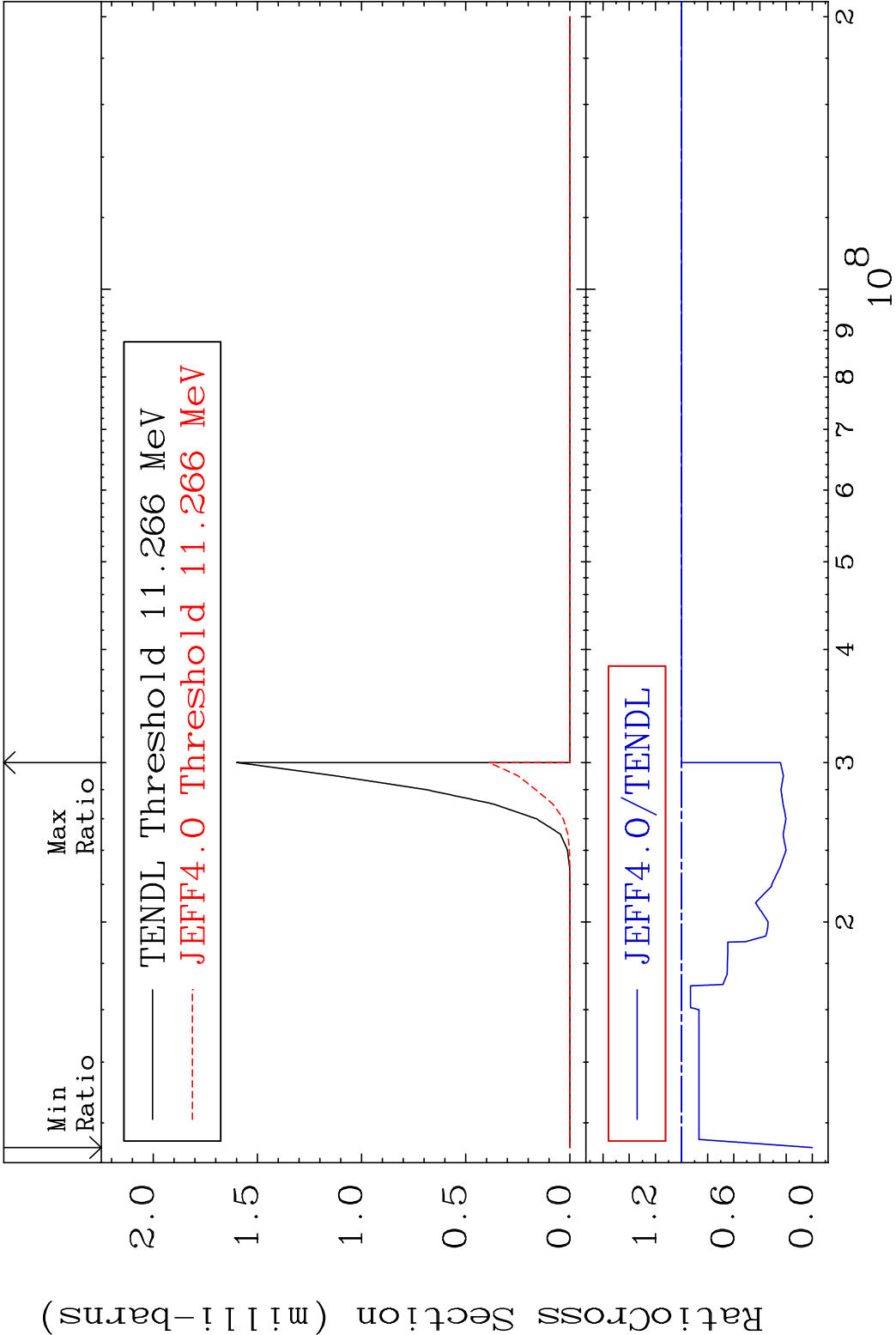


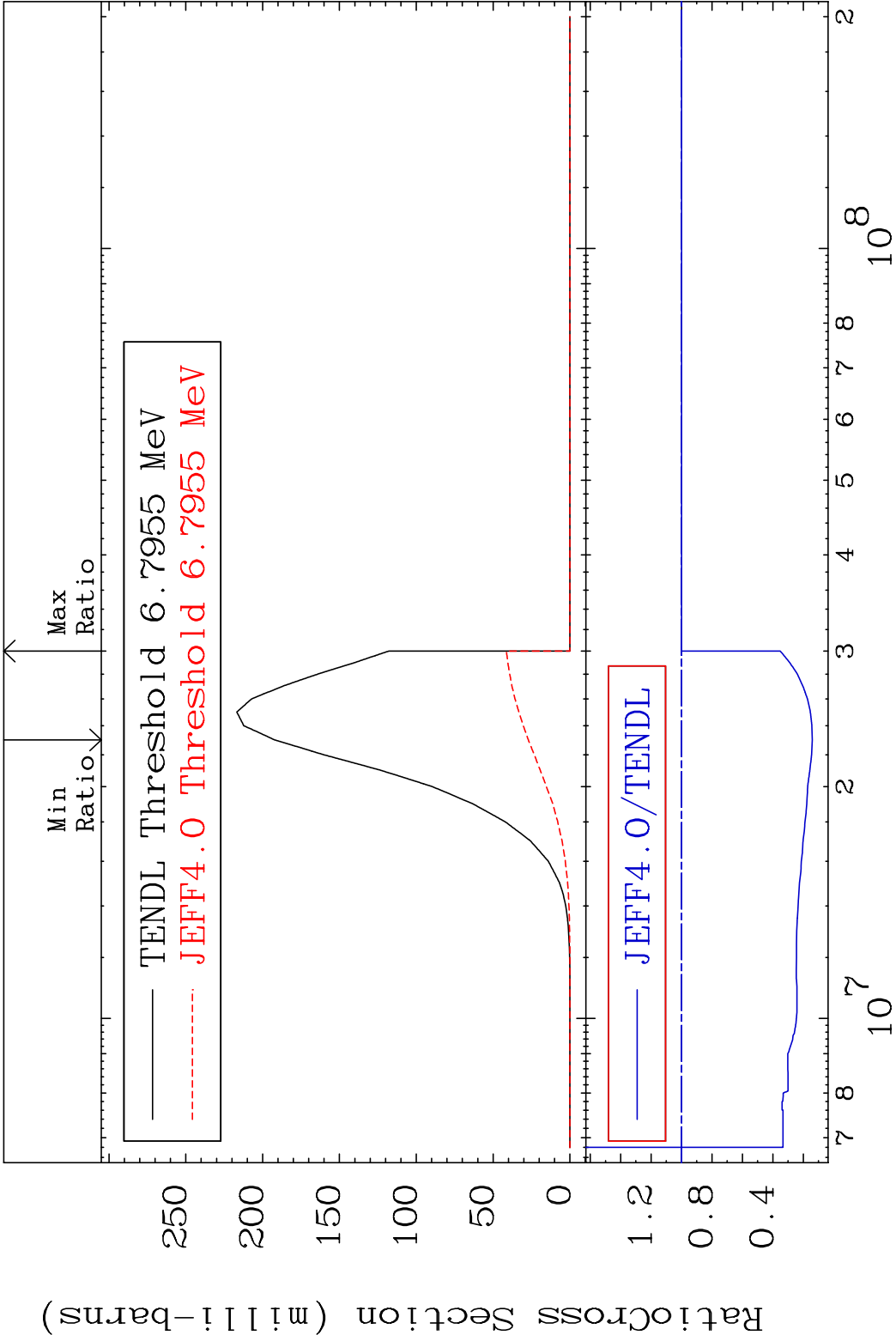


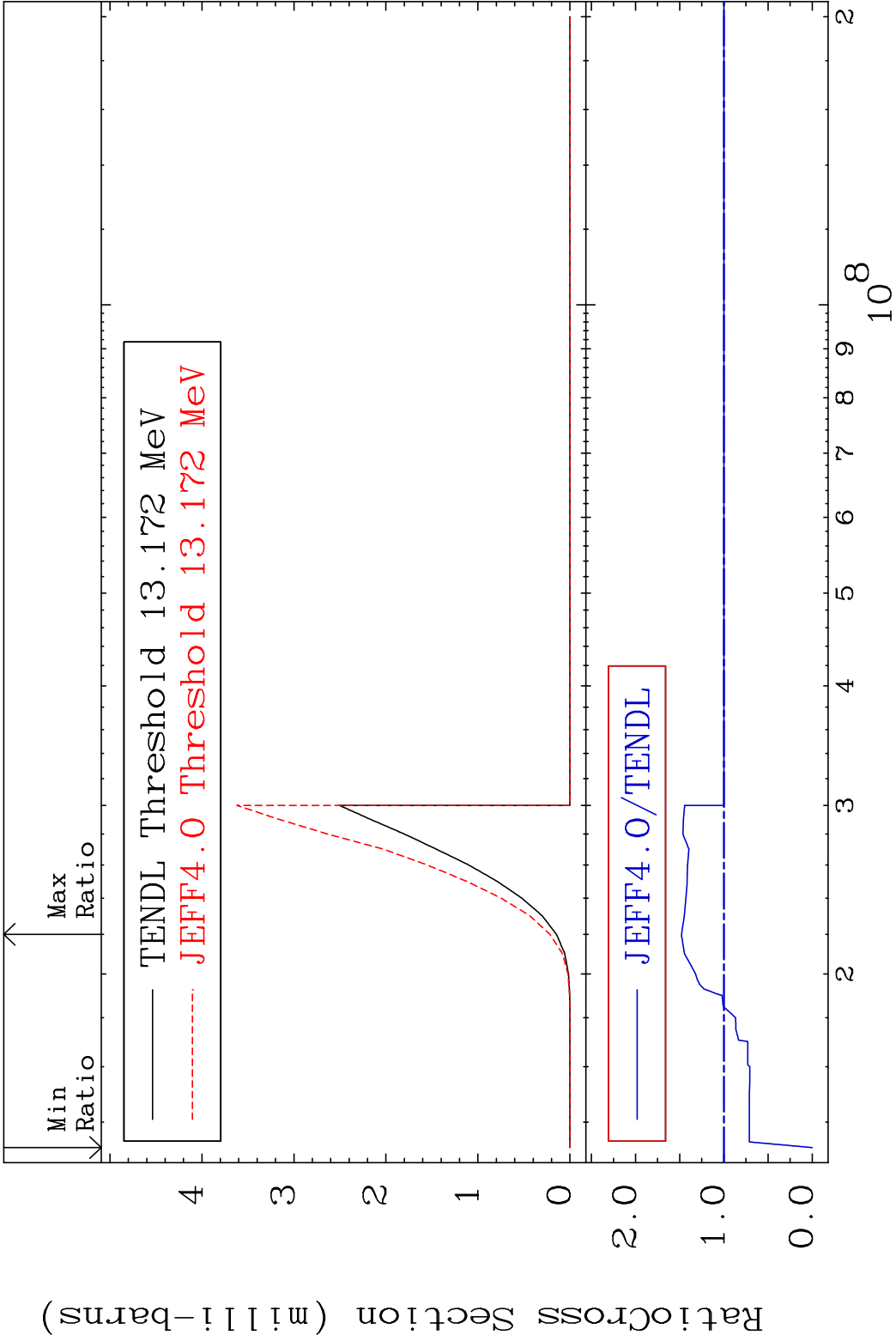


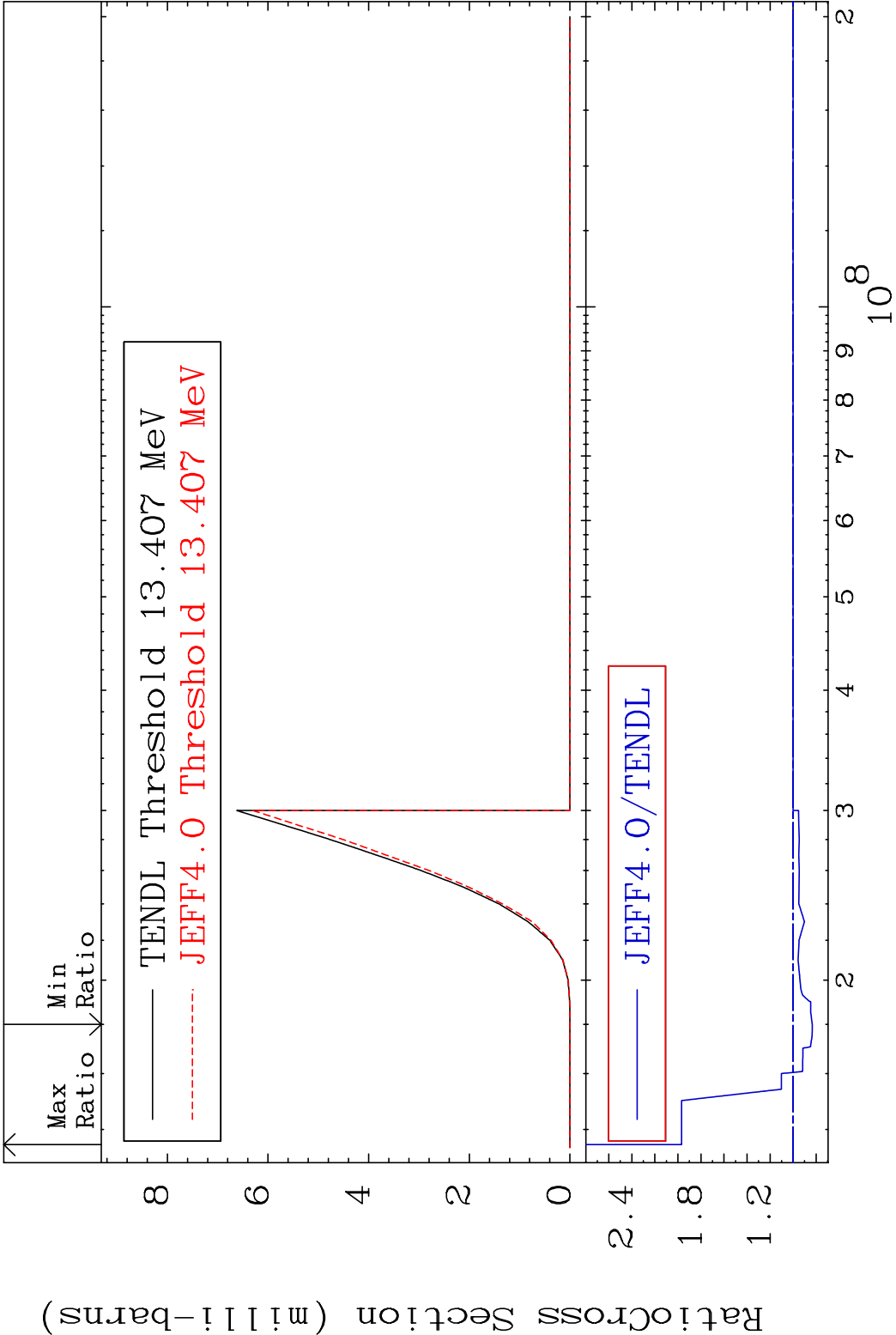


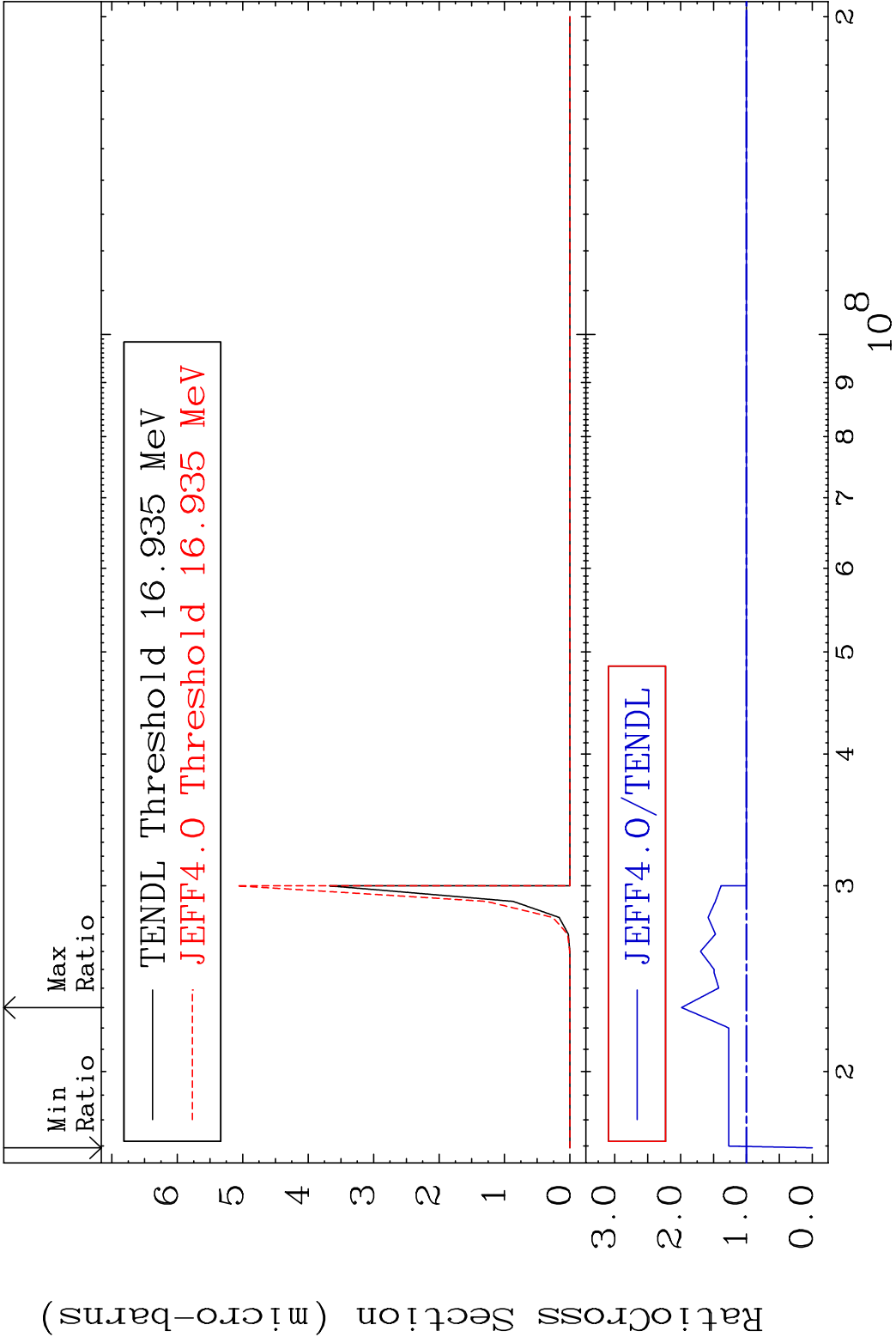


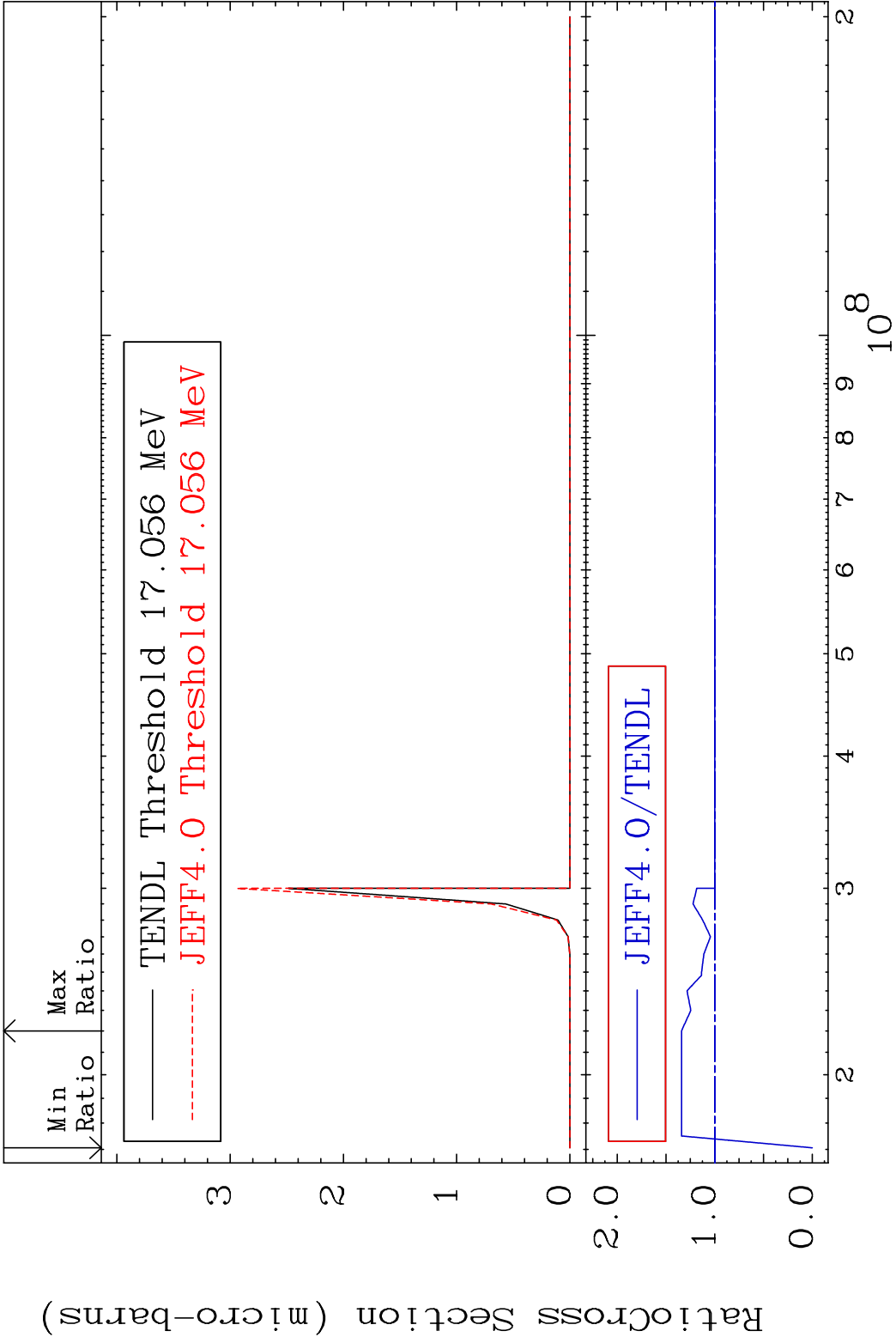


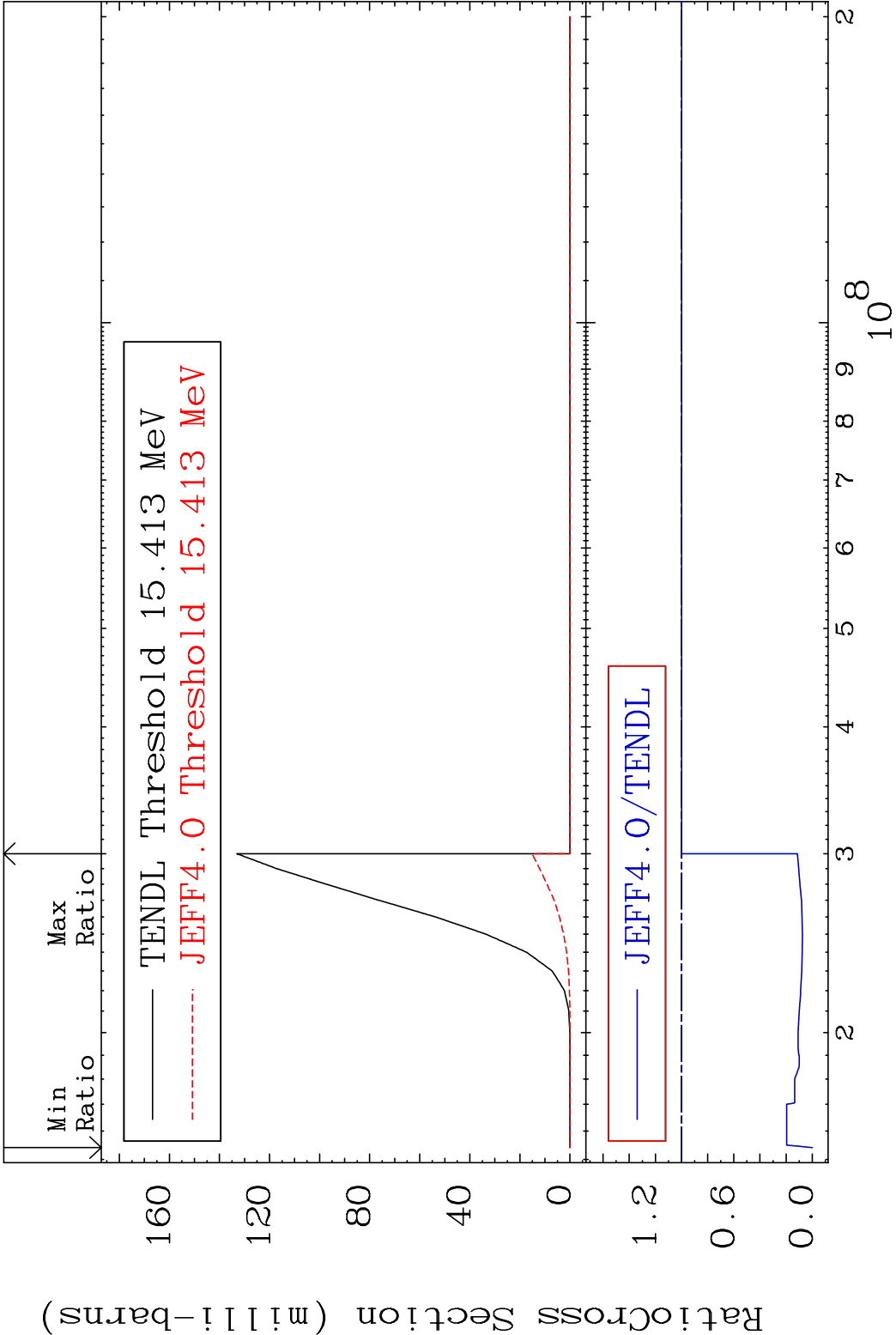


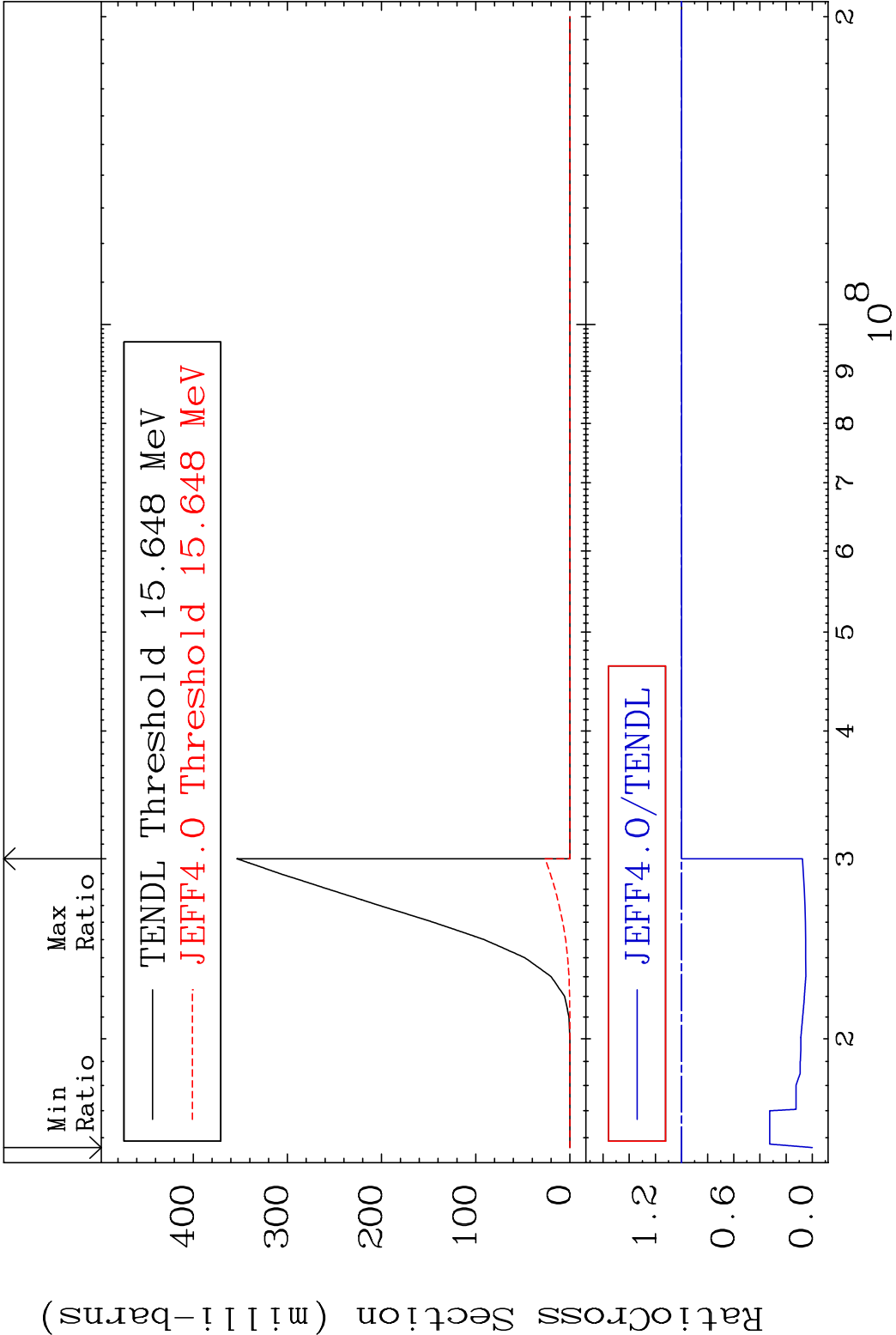


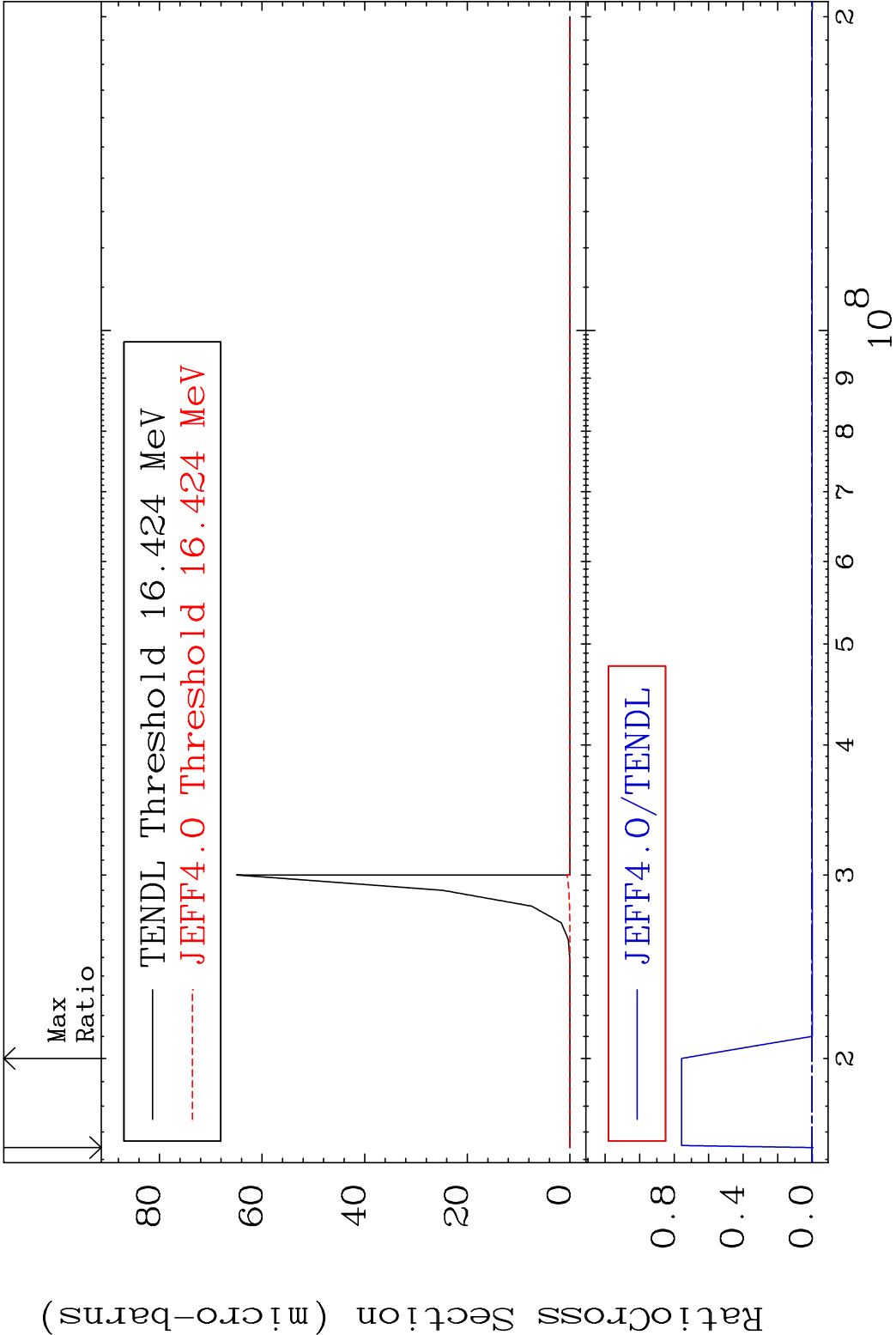


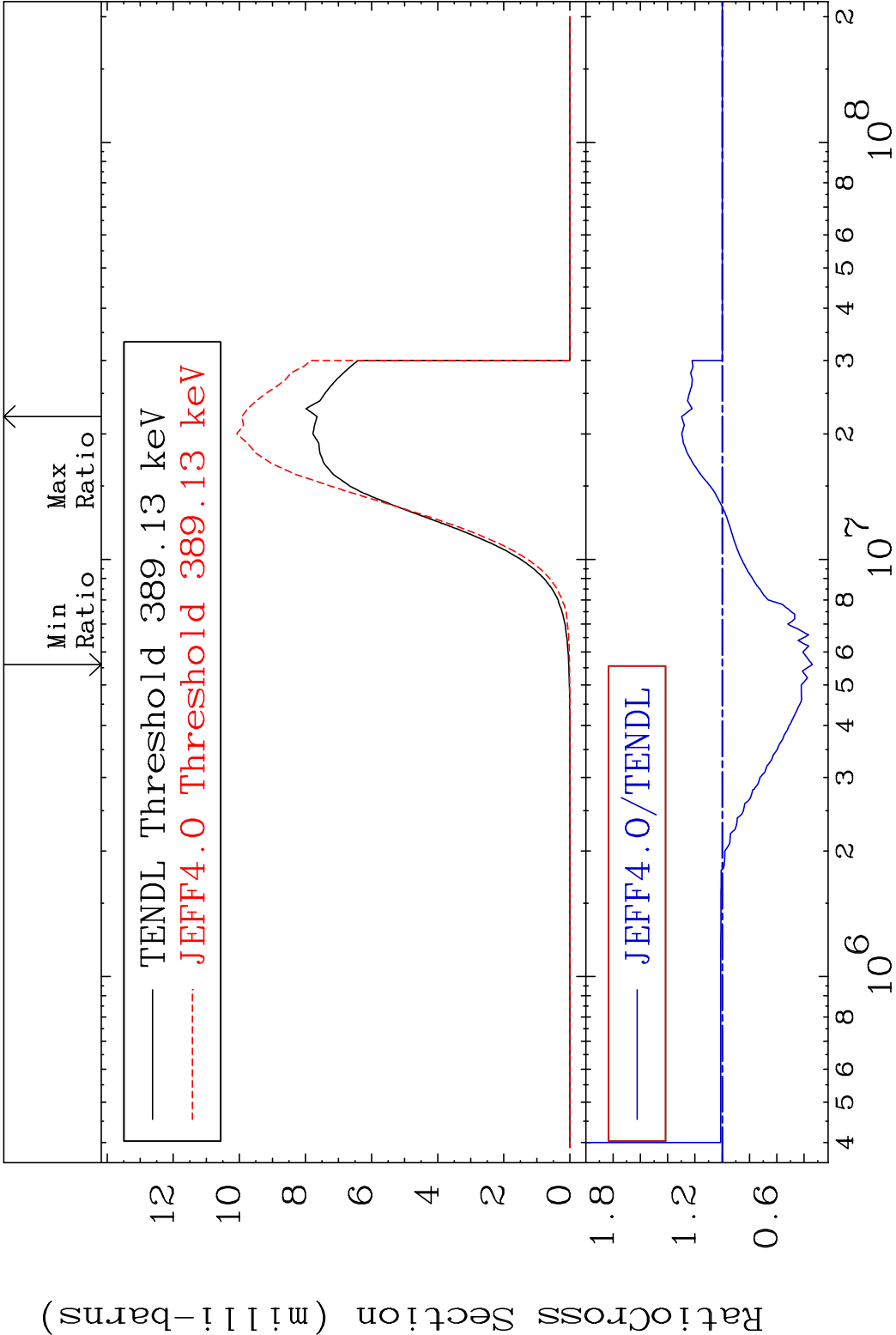


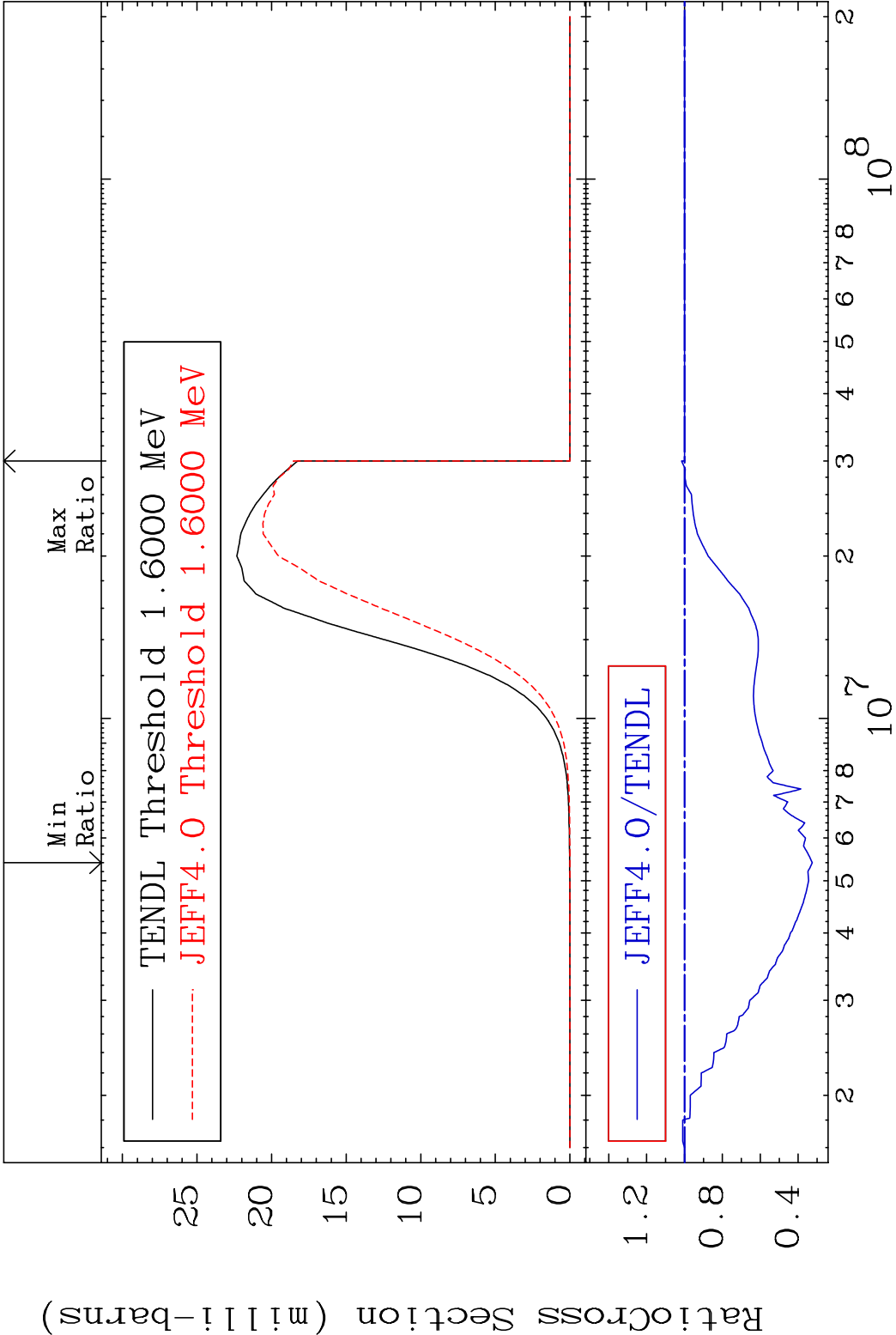


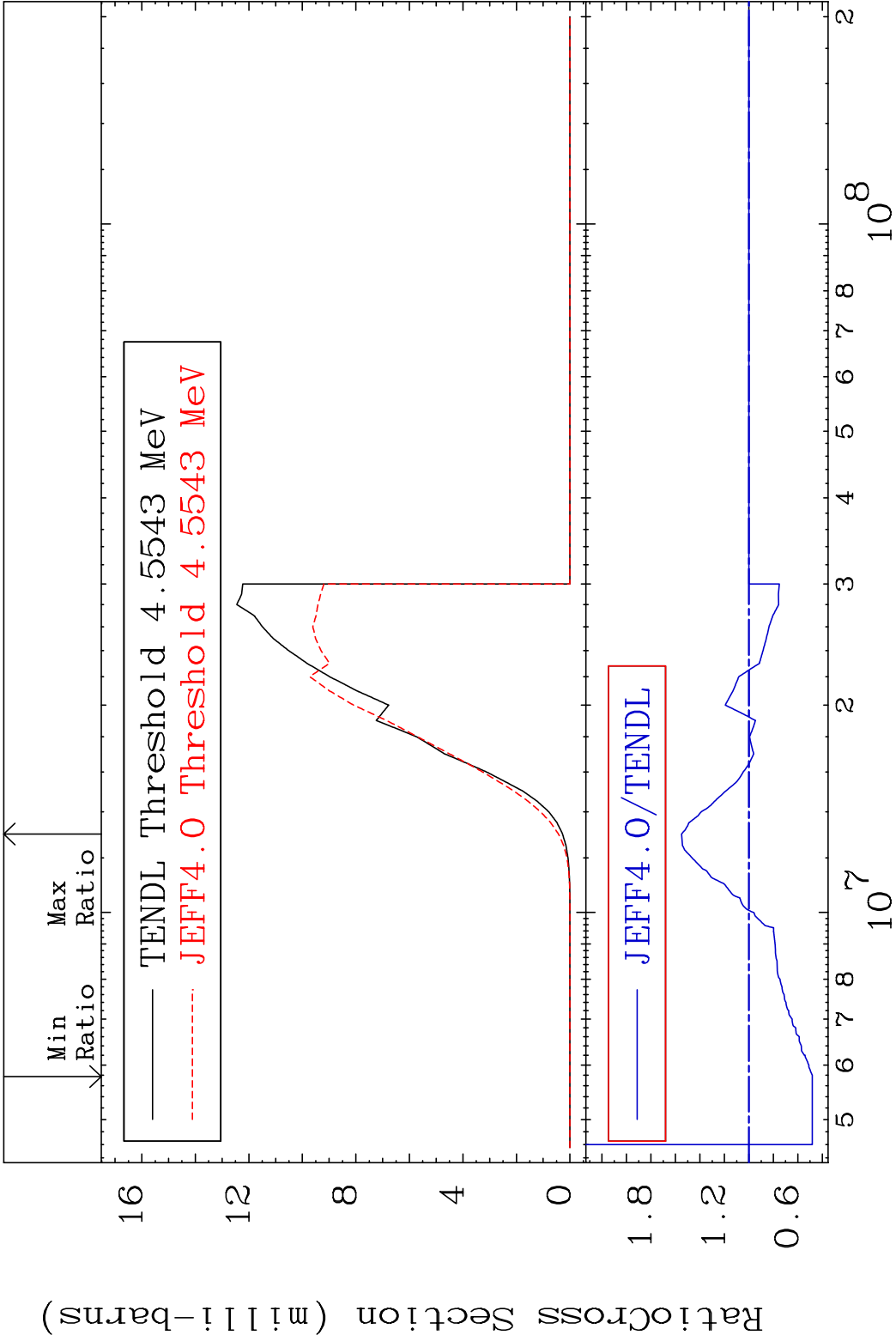


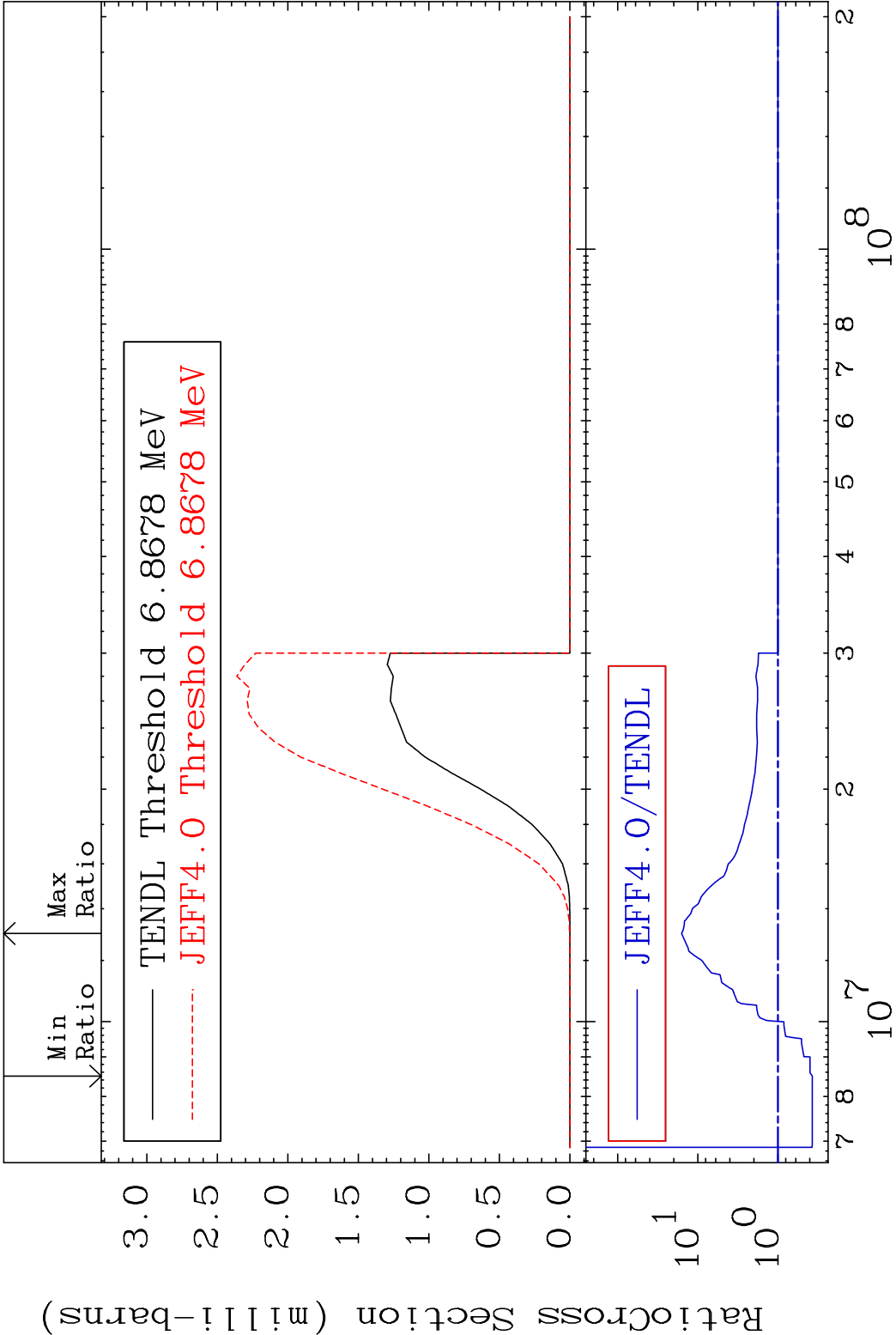


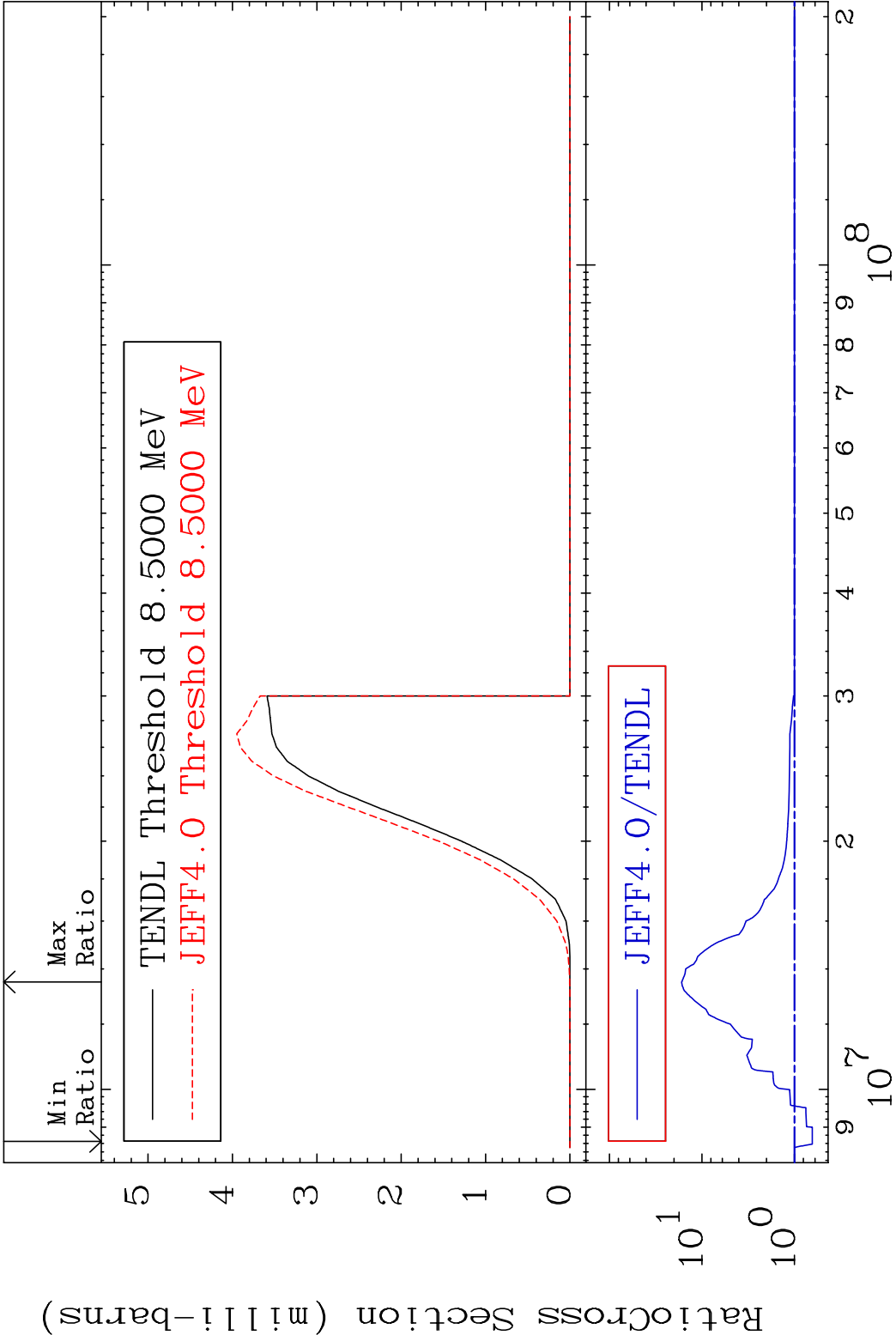


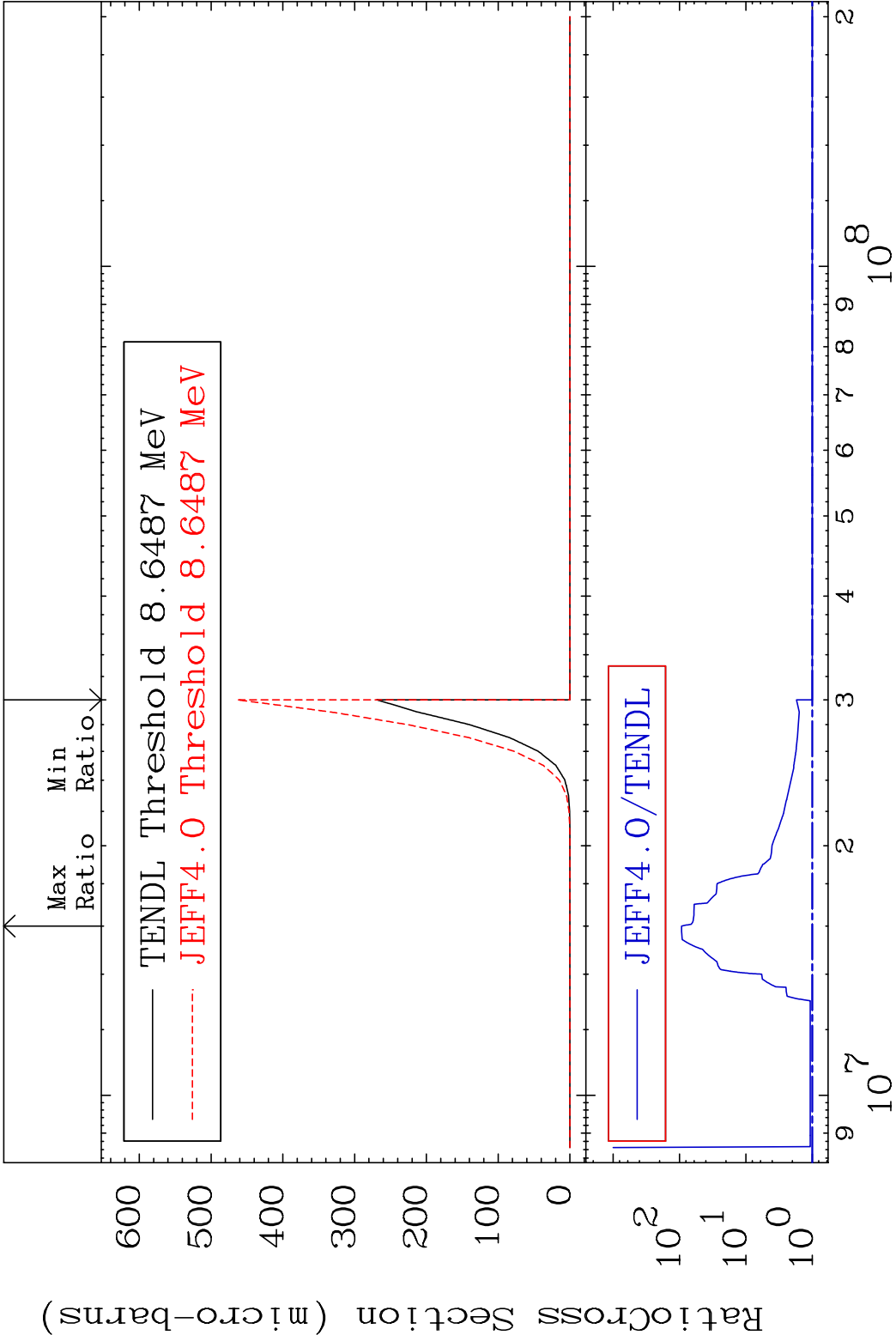


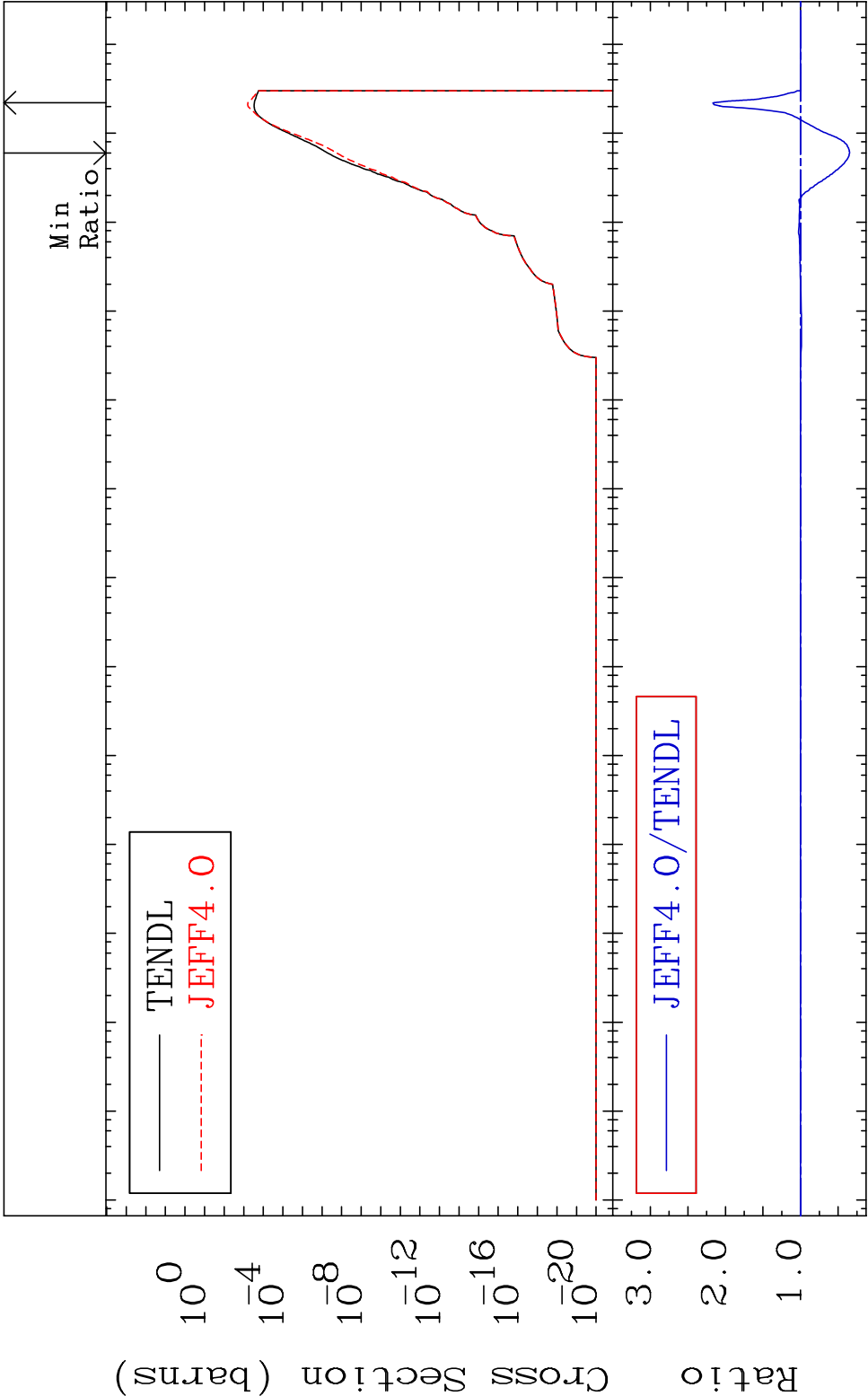


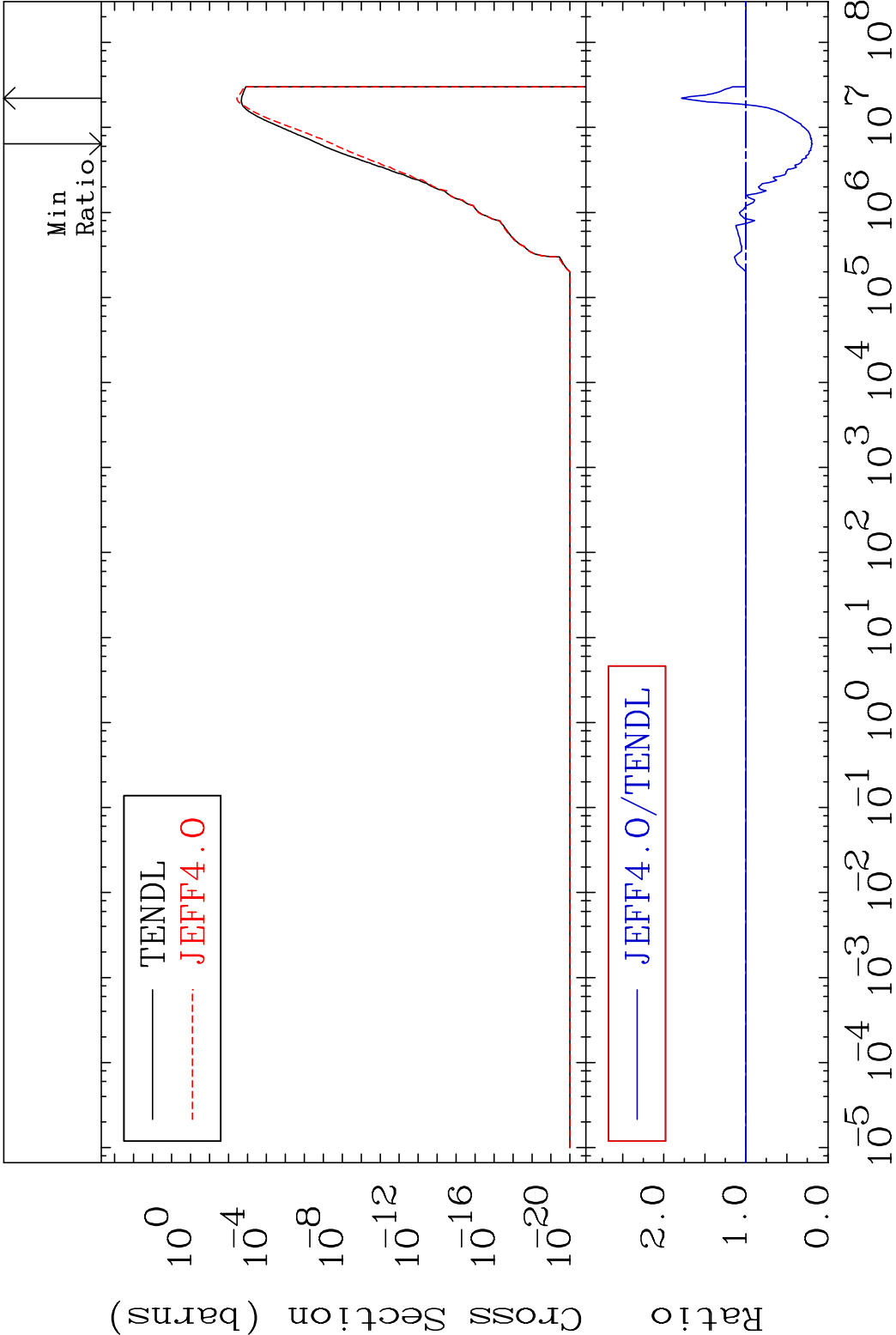


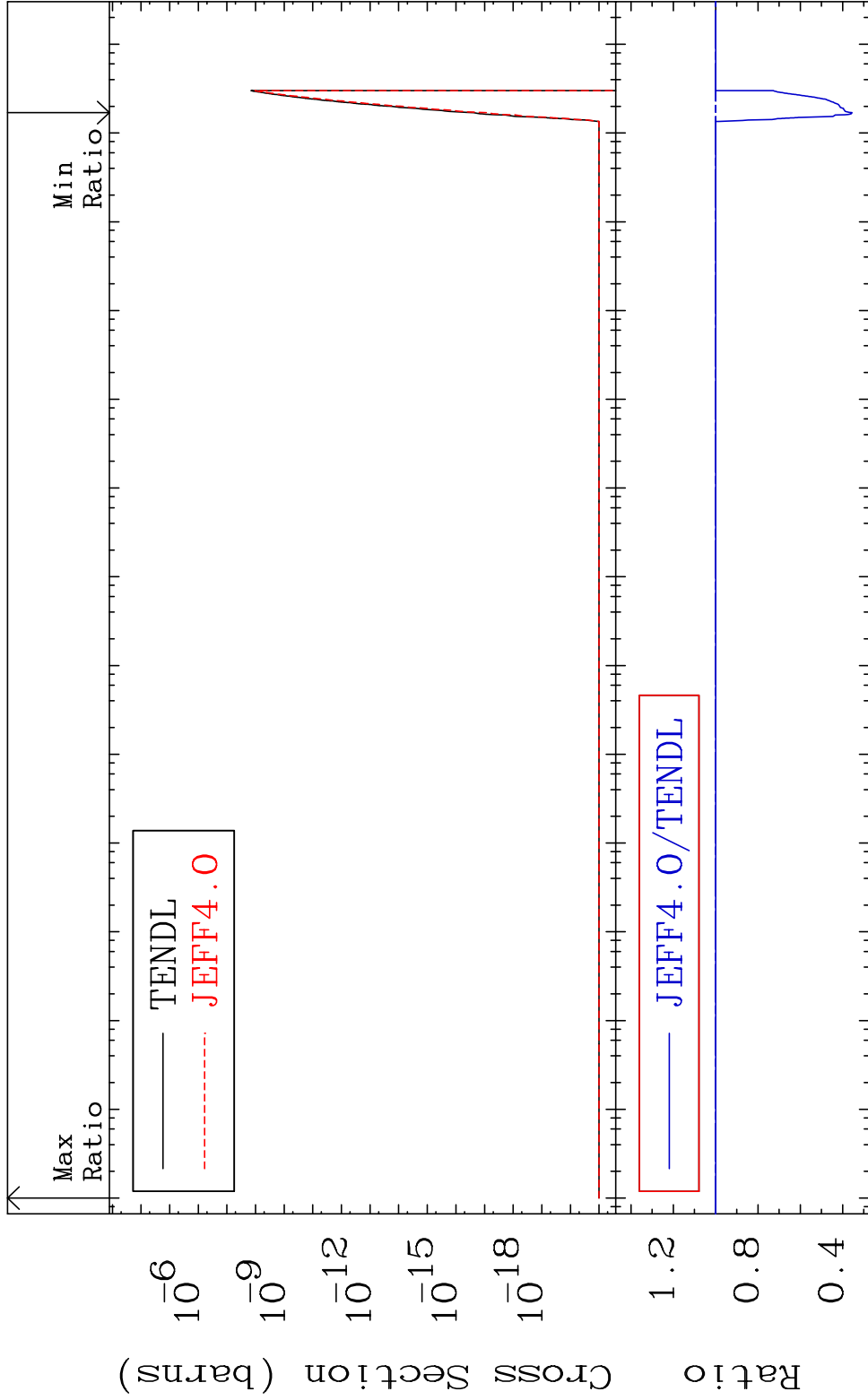




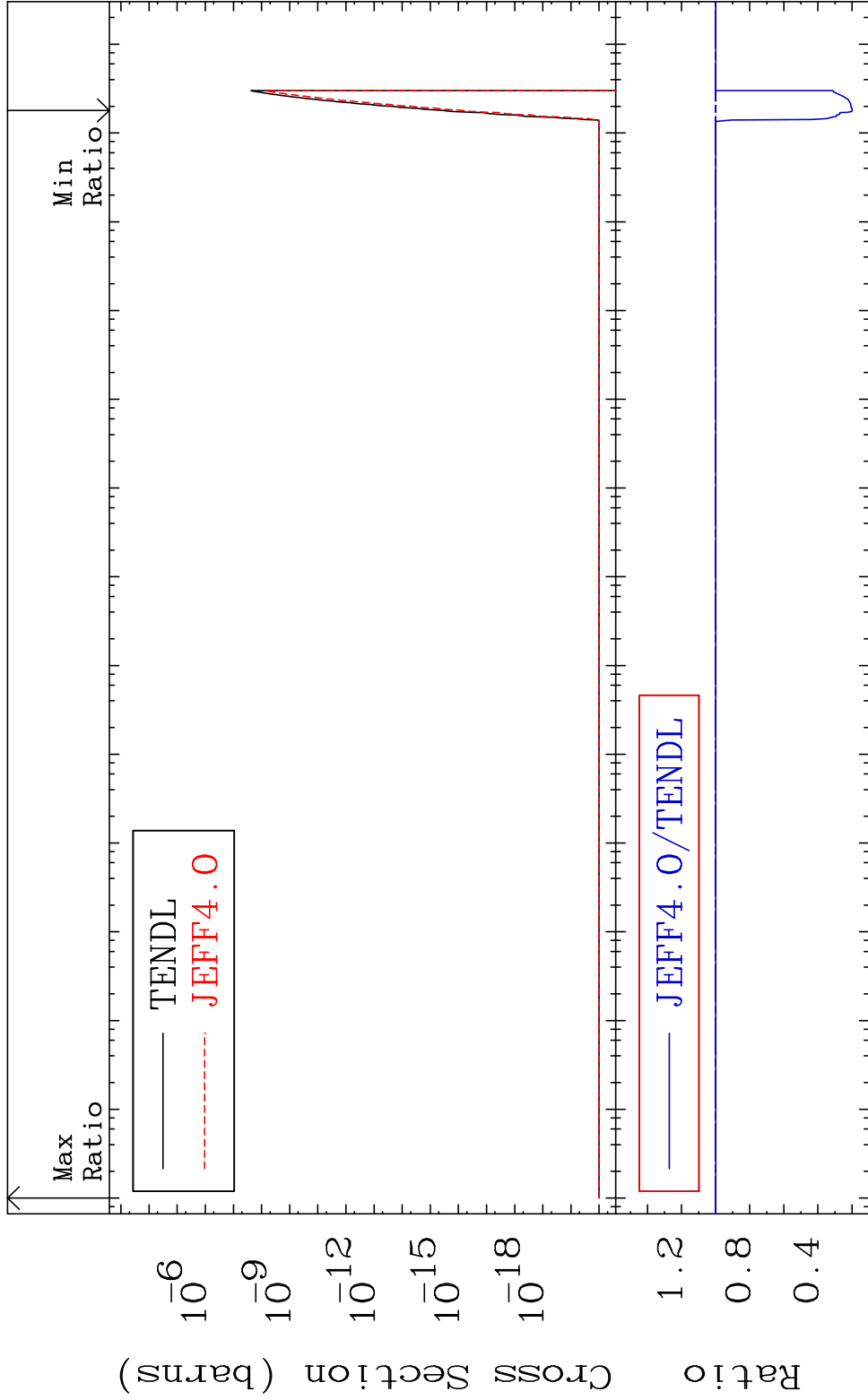








MAT 5531 (n,2α):51-Sb-128m1 55-Cs-135
Radionuclide Production Cross Section 0.000 %



100 Incident Energy (eV) 55-Cs-135

