

Program Complot
(Version 2021-1)

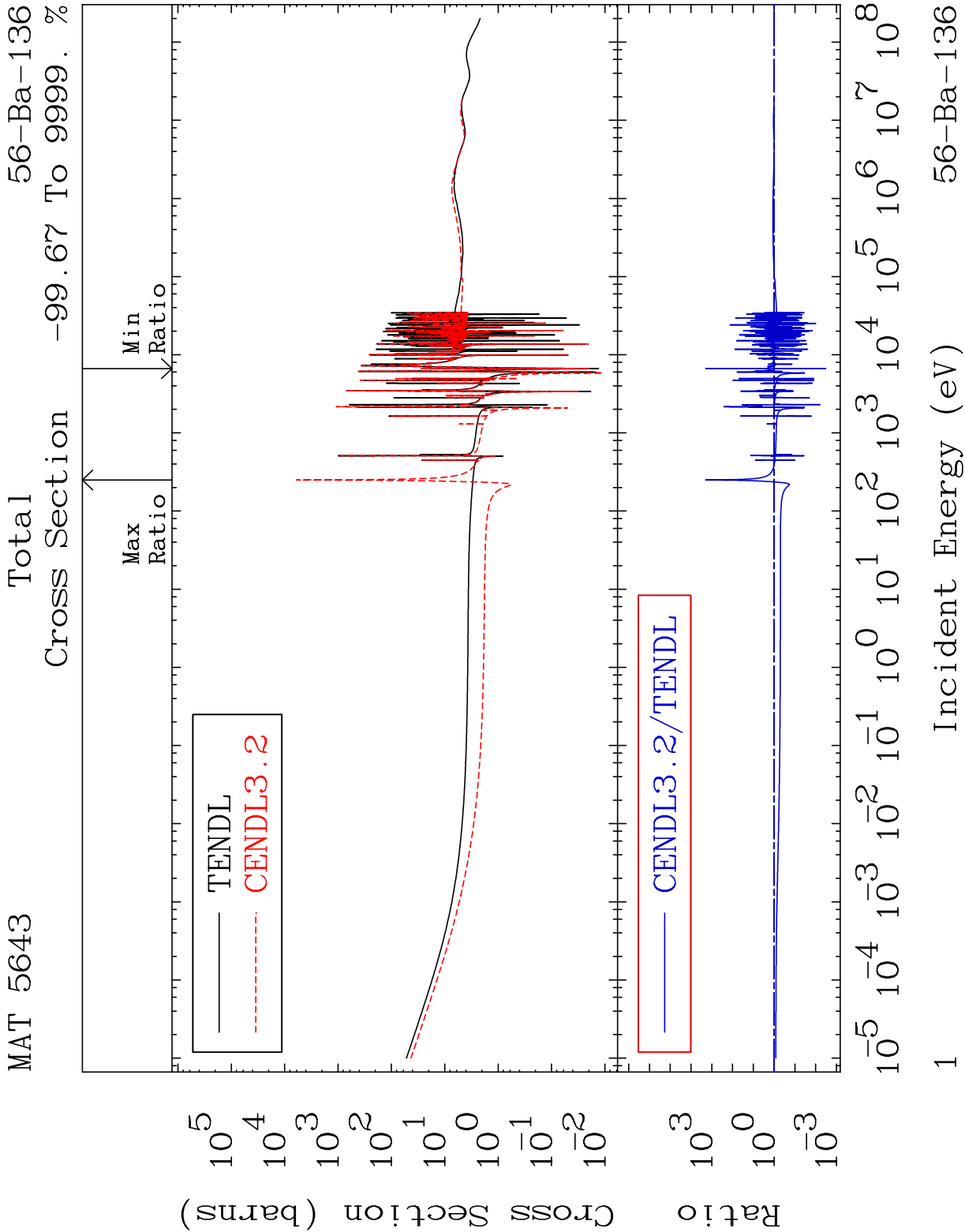
by

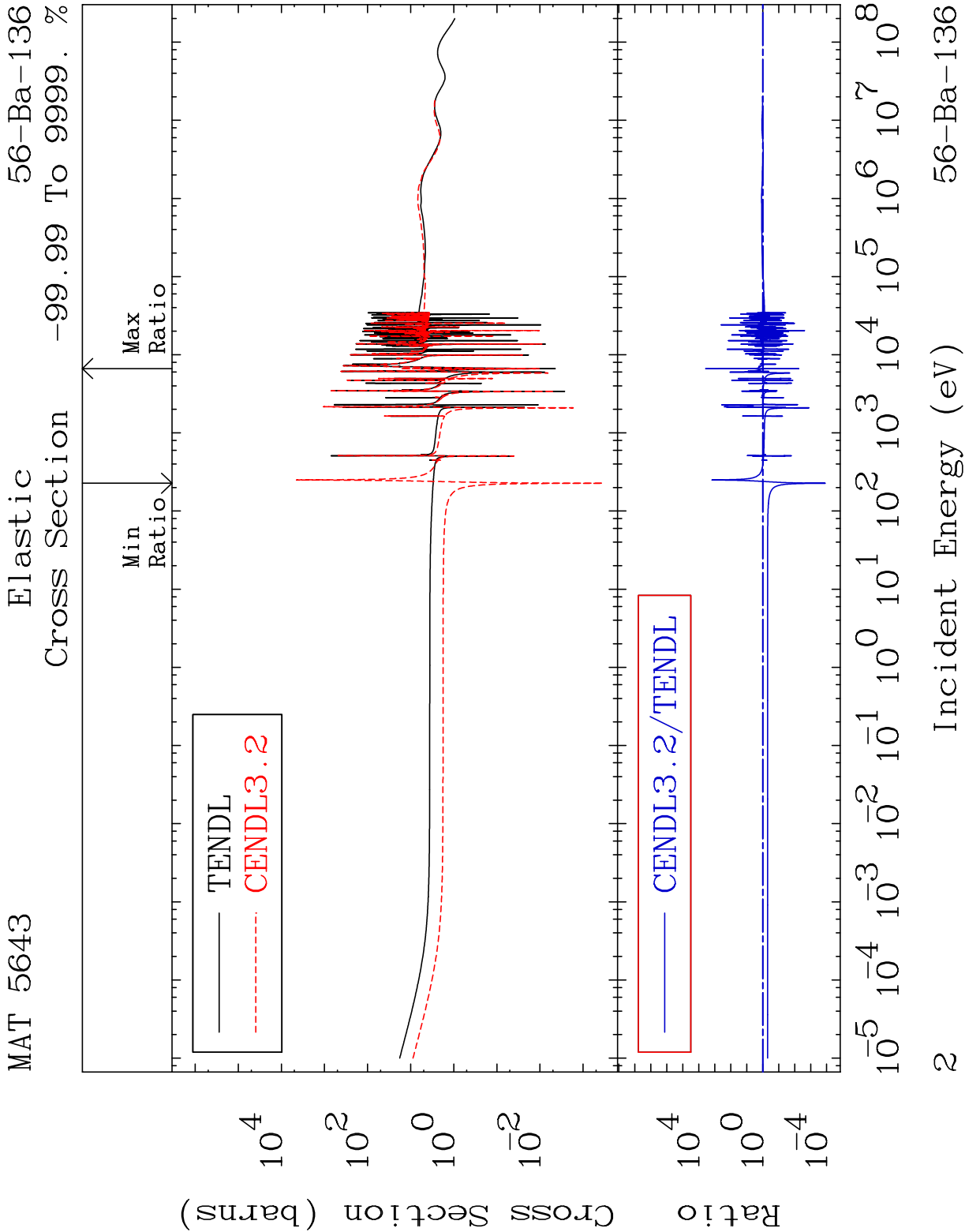
Dermott E. Cullen
(Present Contact Information)

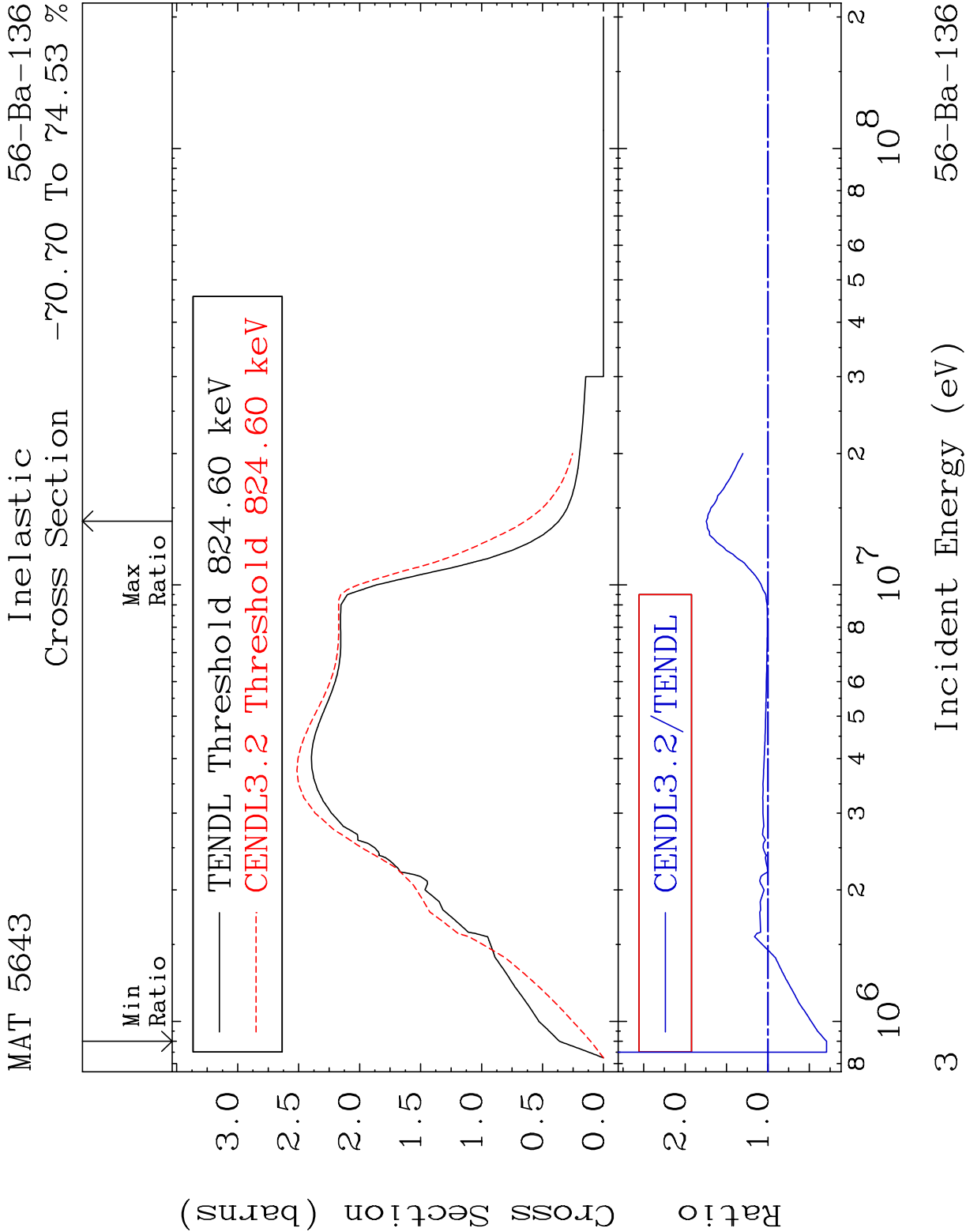
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

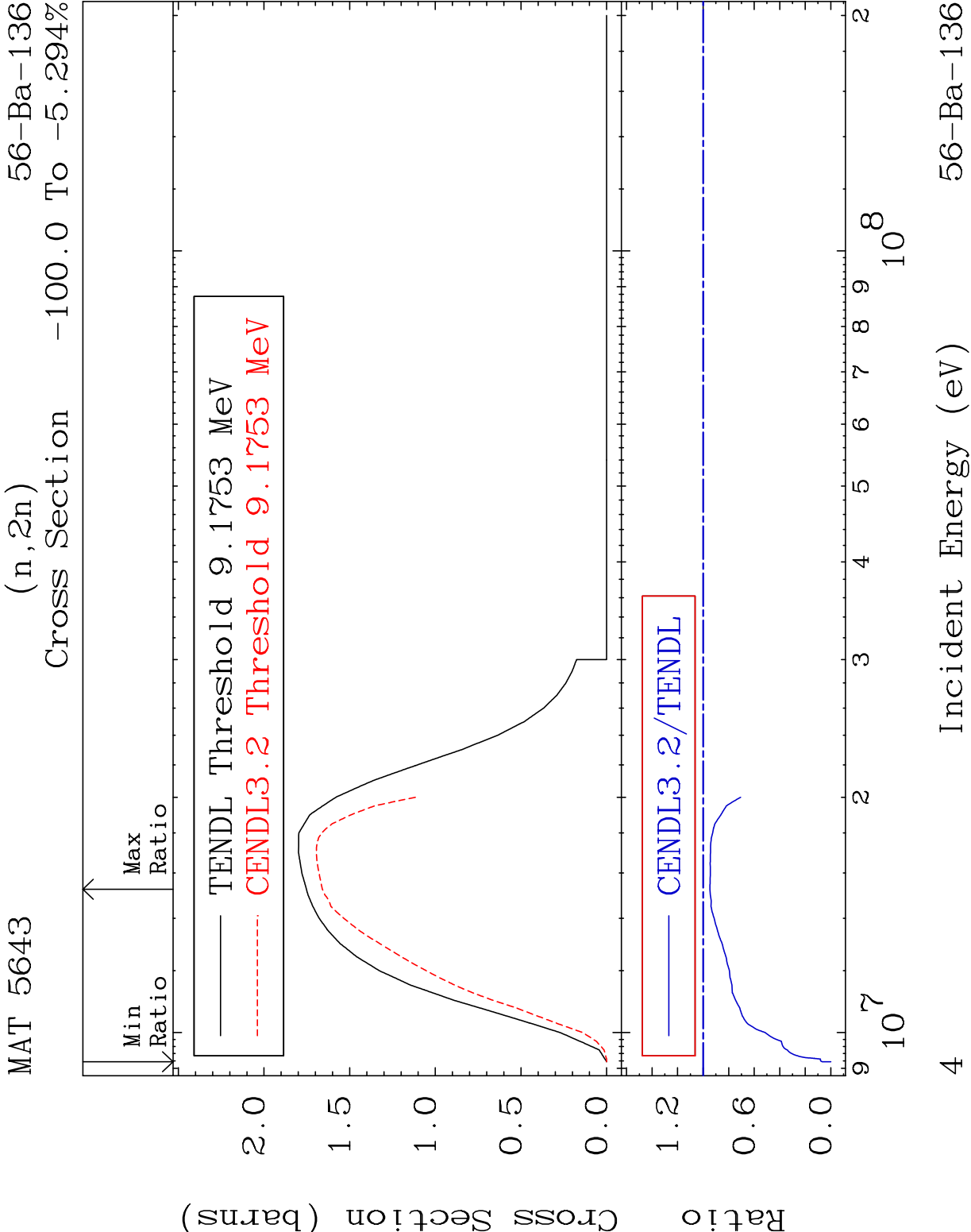
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

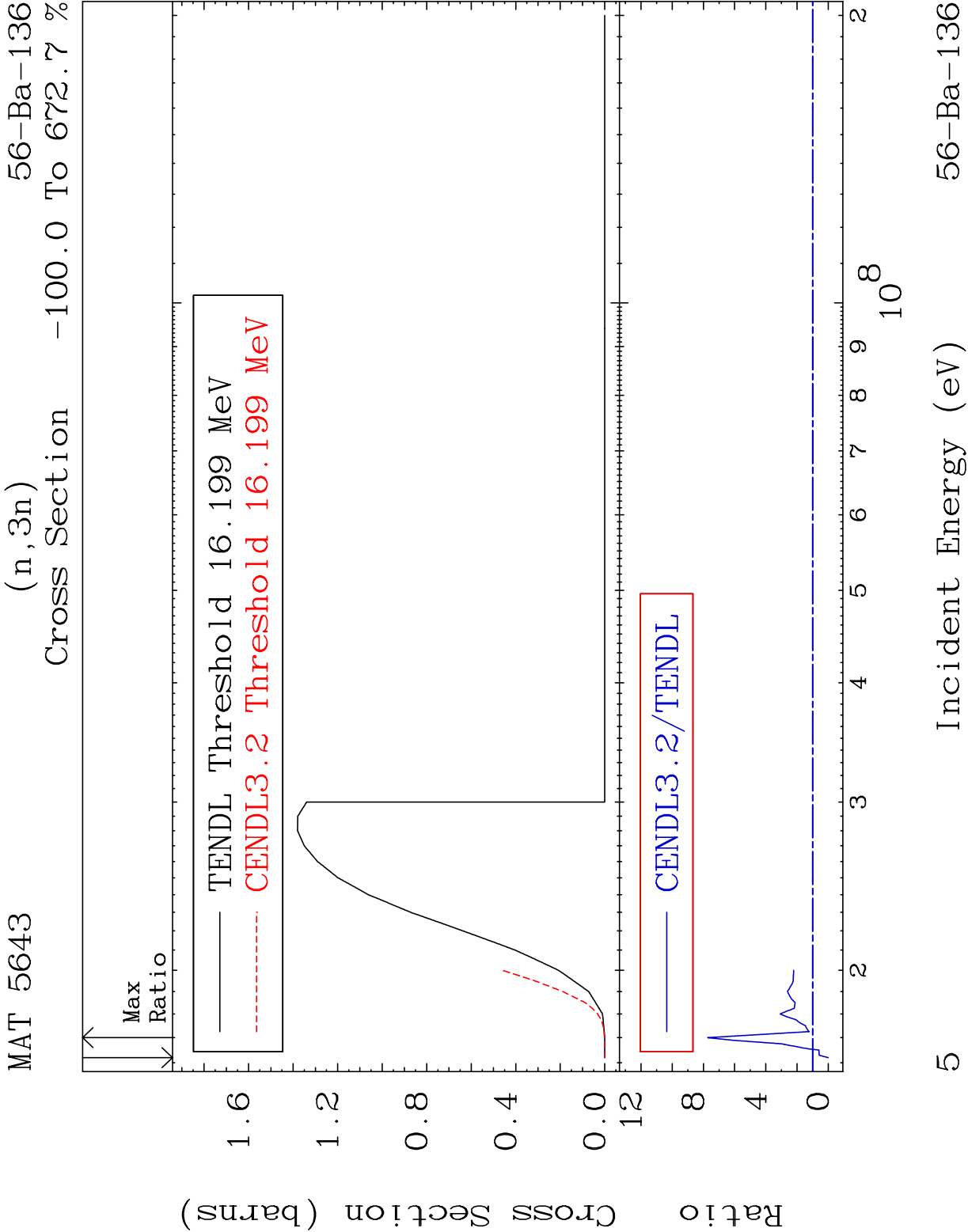
Press Mouse Button to Start

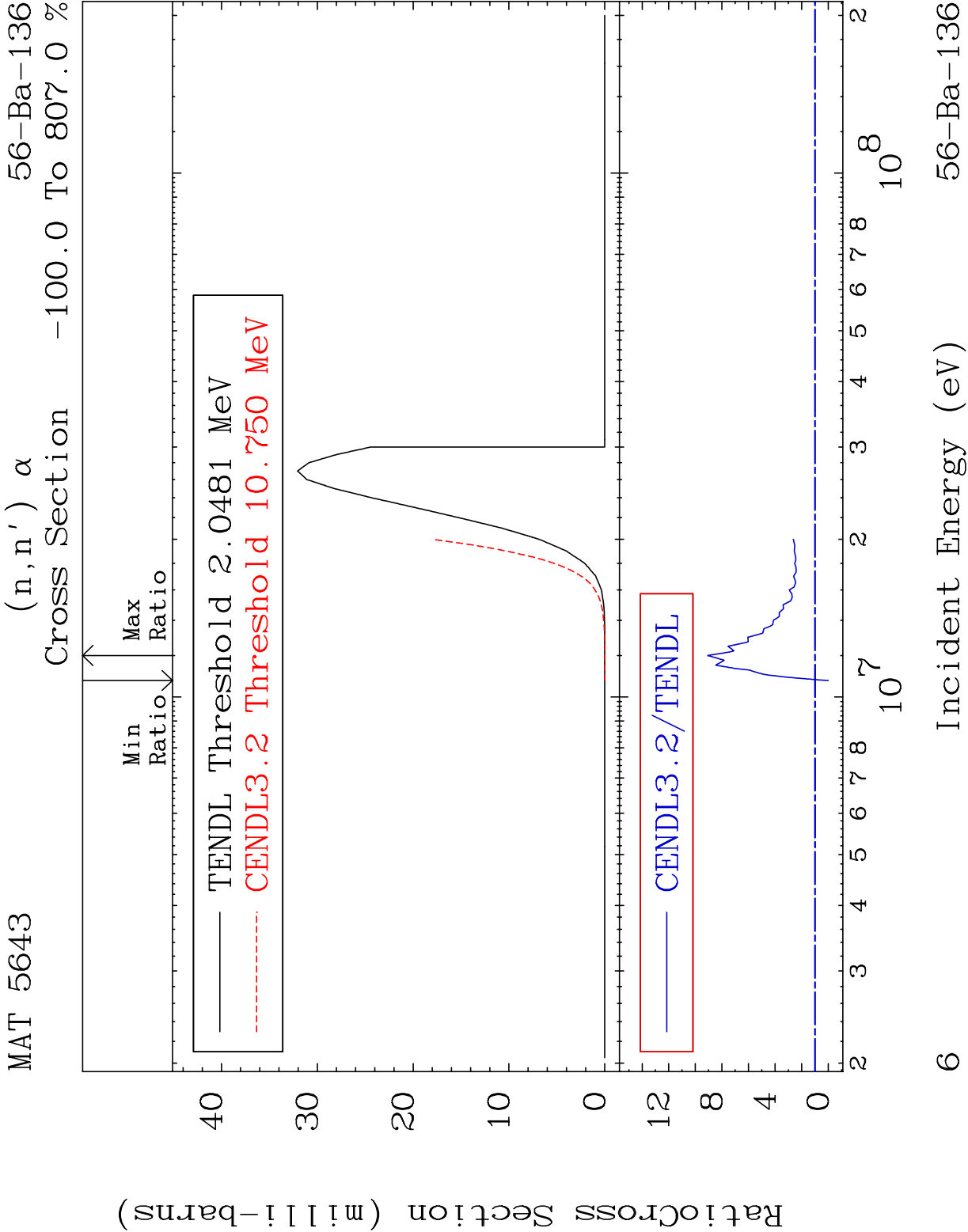


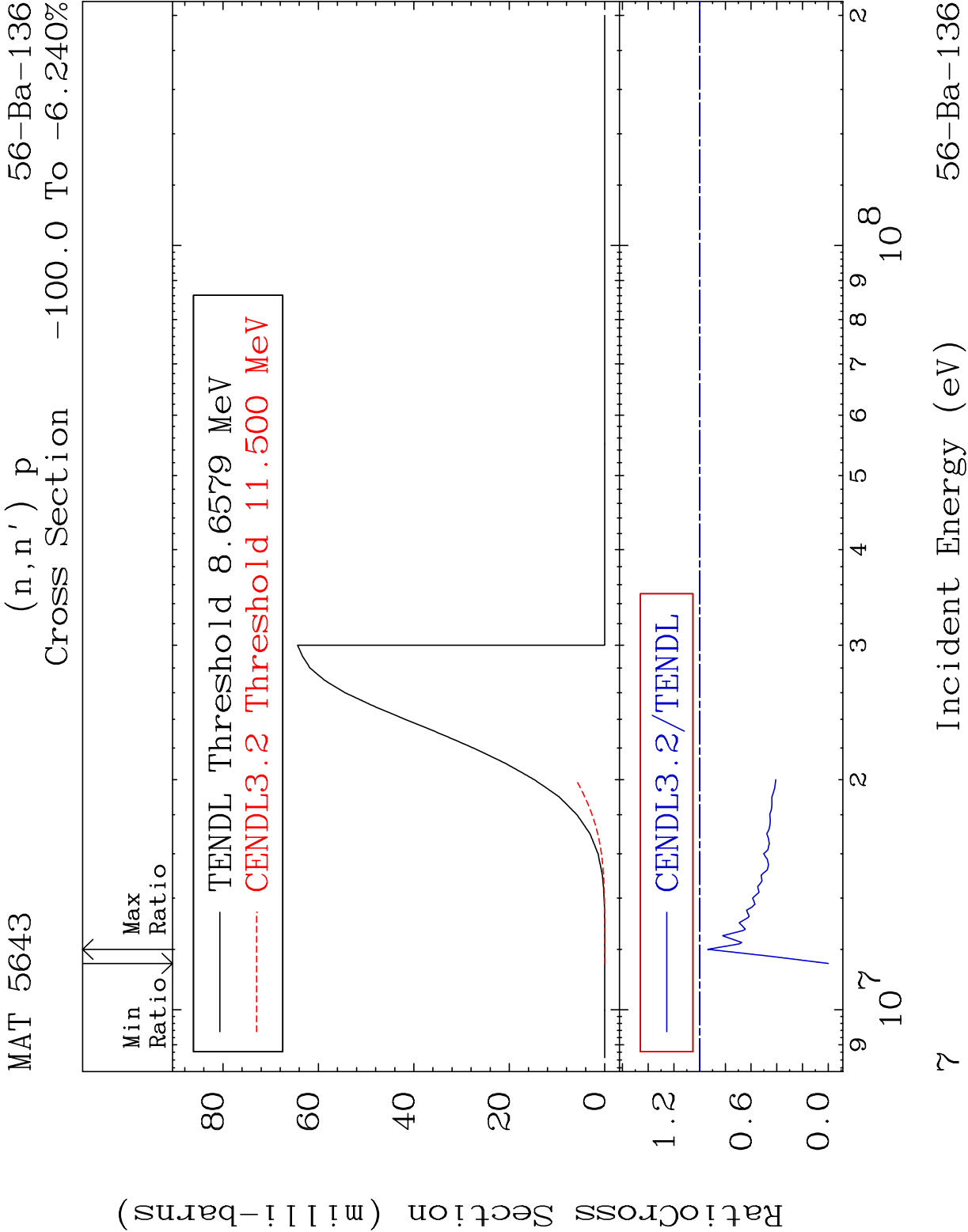




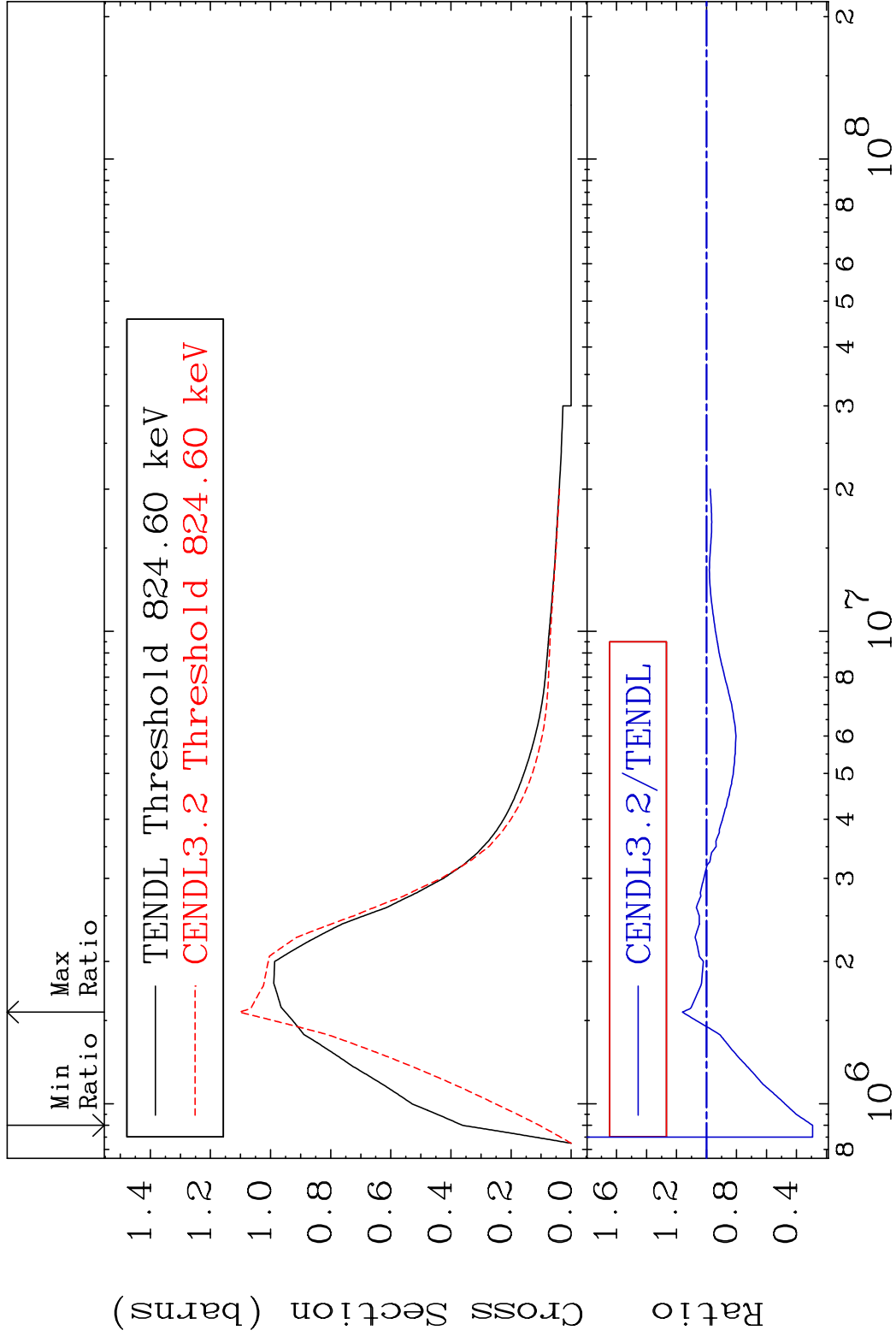








MAT 5643 MT= 51 (n,n') Level 56-Ba-136
Cross Section -70.70 To 16.12 %



8 Incident Energy (eV) 56-Ba-136

MAT 5643

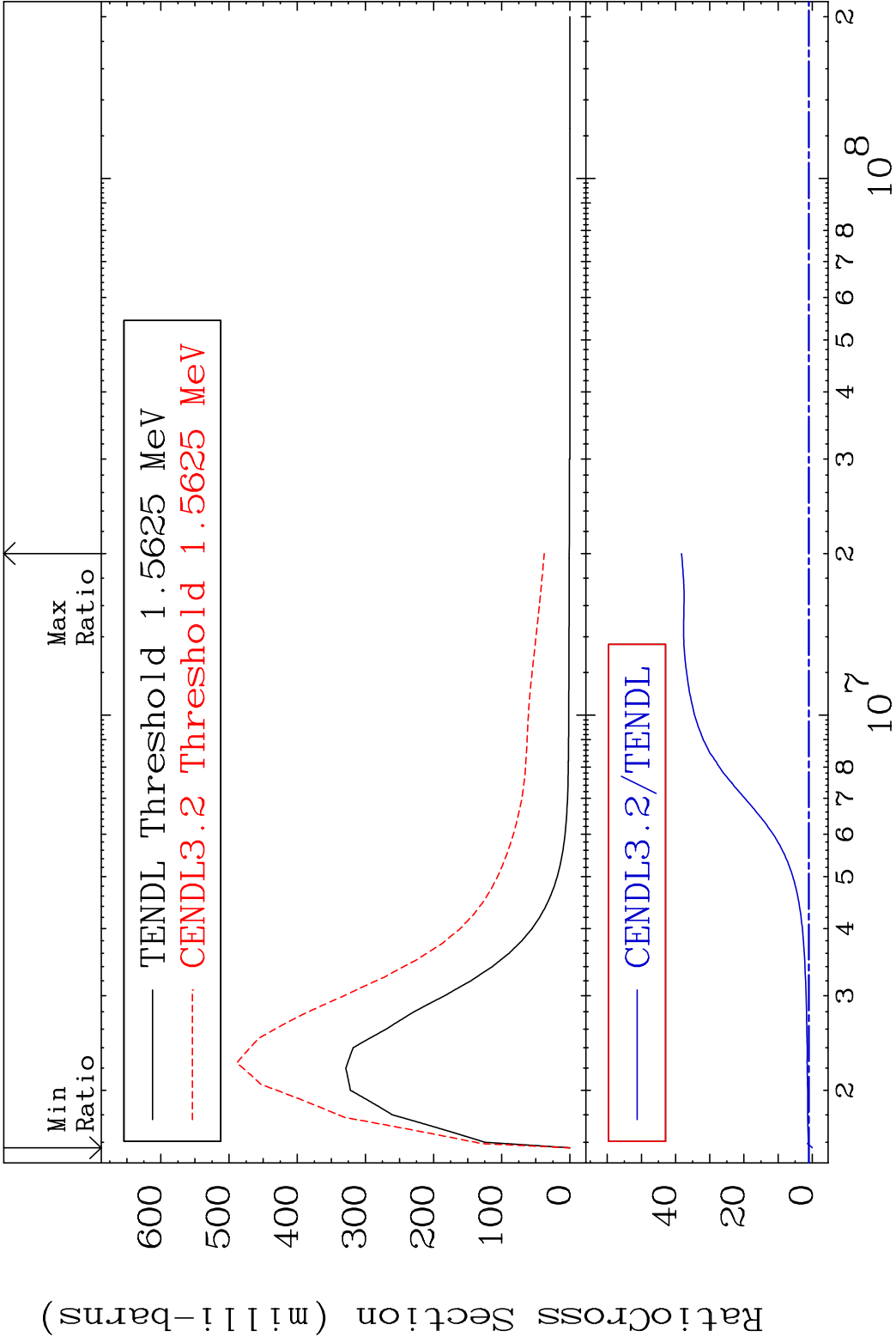
MT= 52 (n,n')

Level

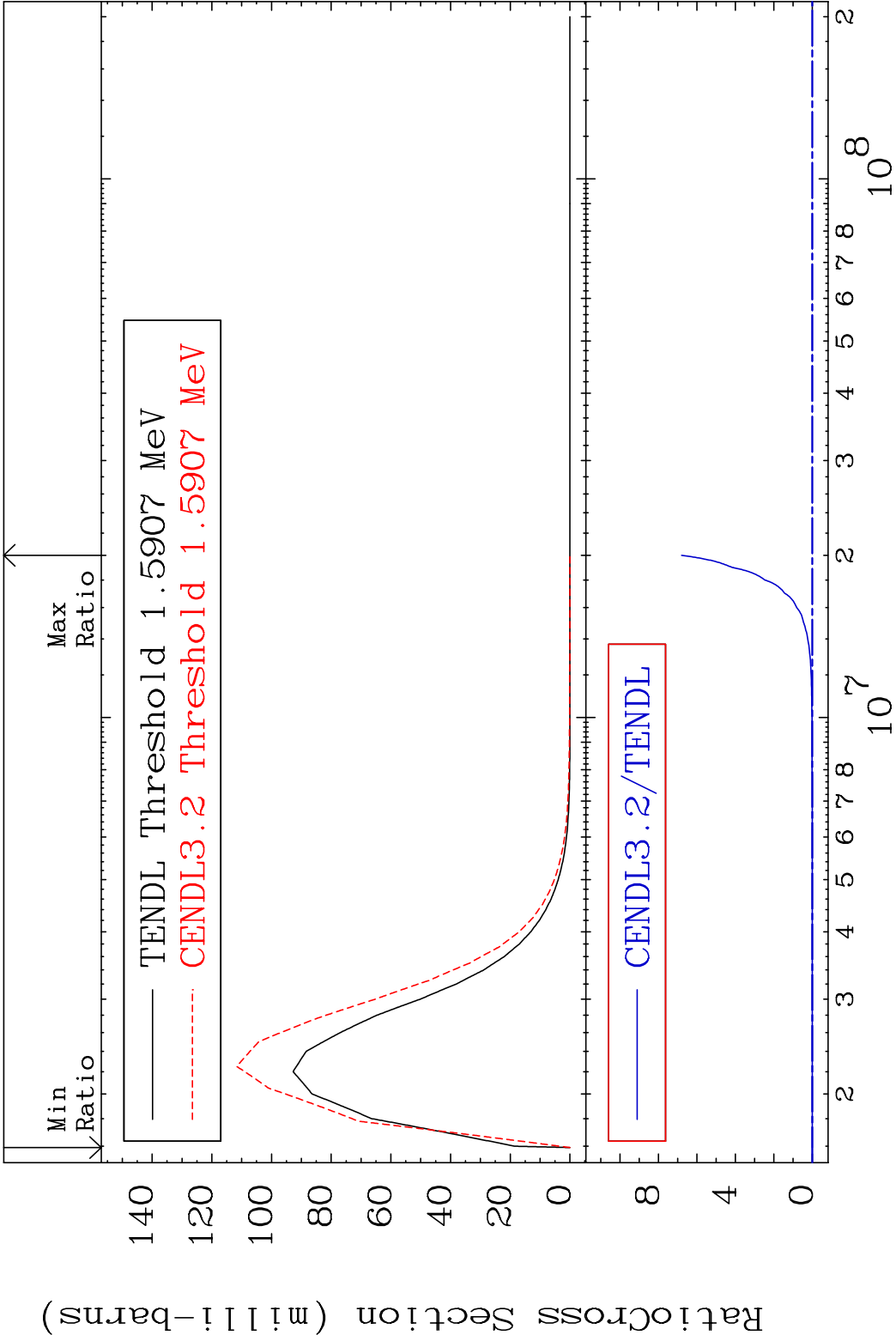
56-Ba-136

Cross Section

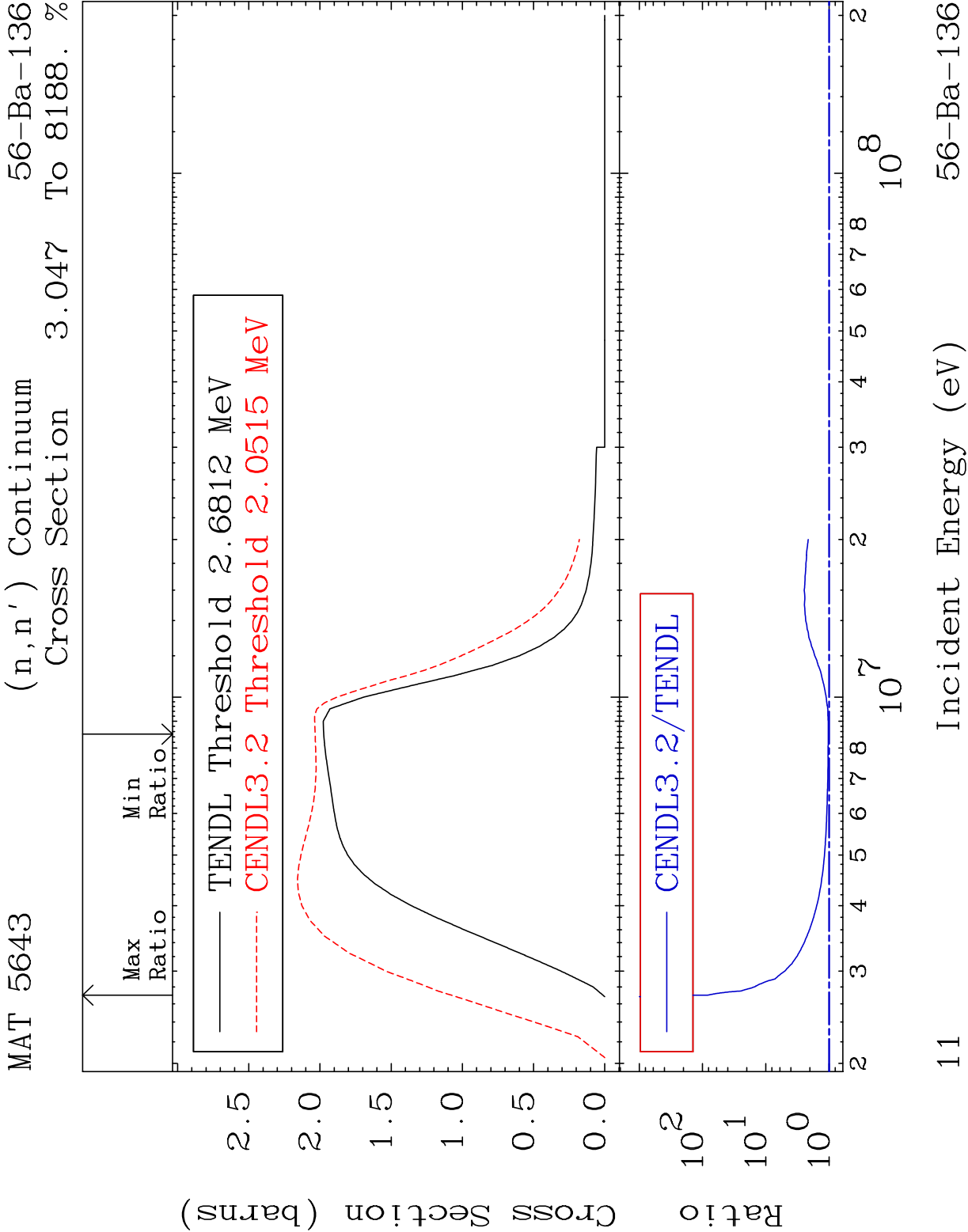
-100.0 To 3726. %

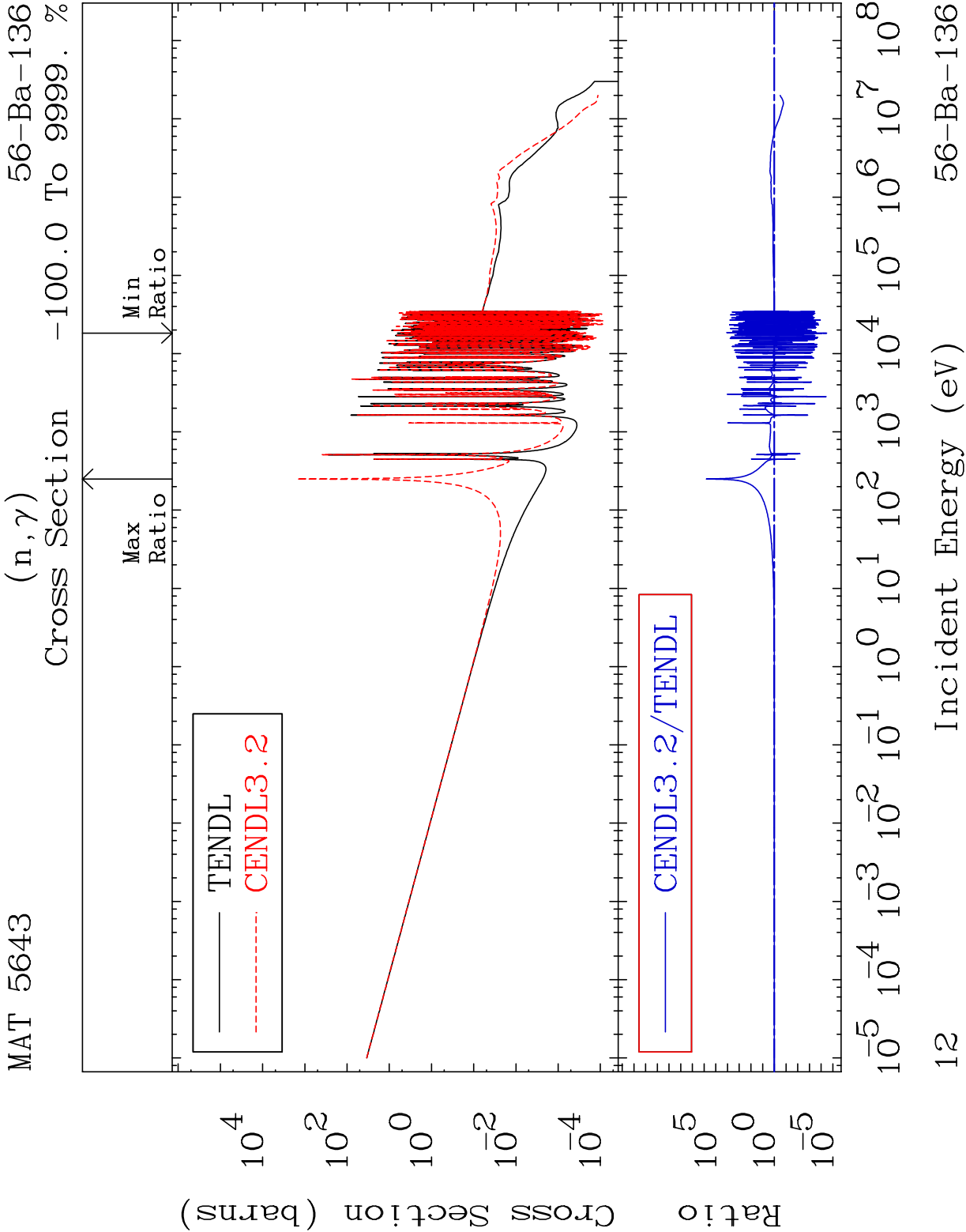


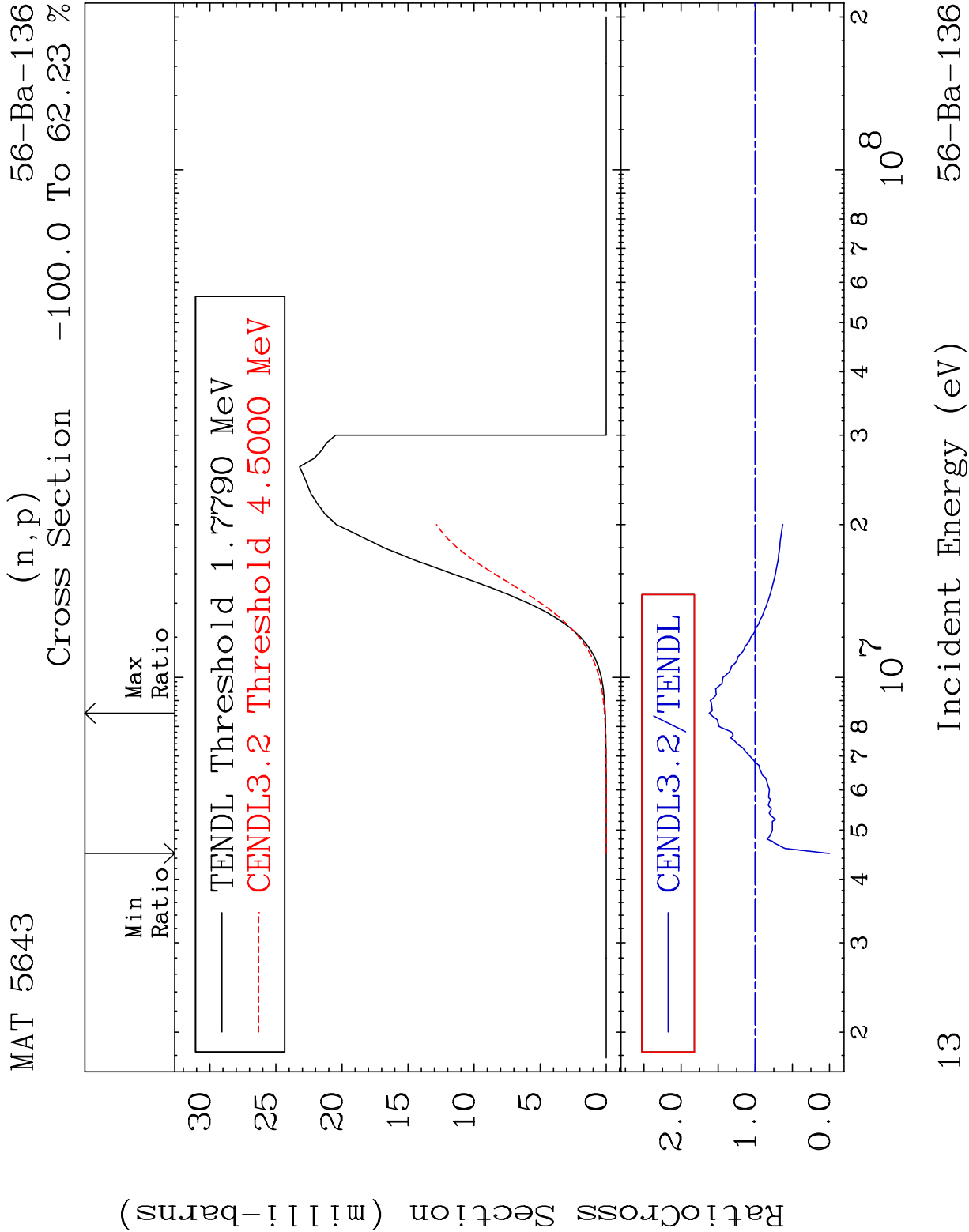
MAT 5643 MT= 53 (n,n') Level 56-Ba-136
Cross Section -100.0 To 9999. %

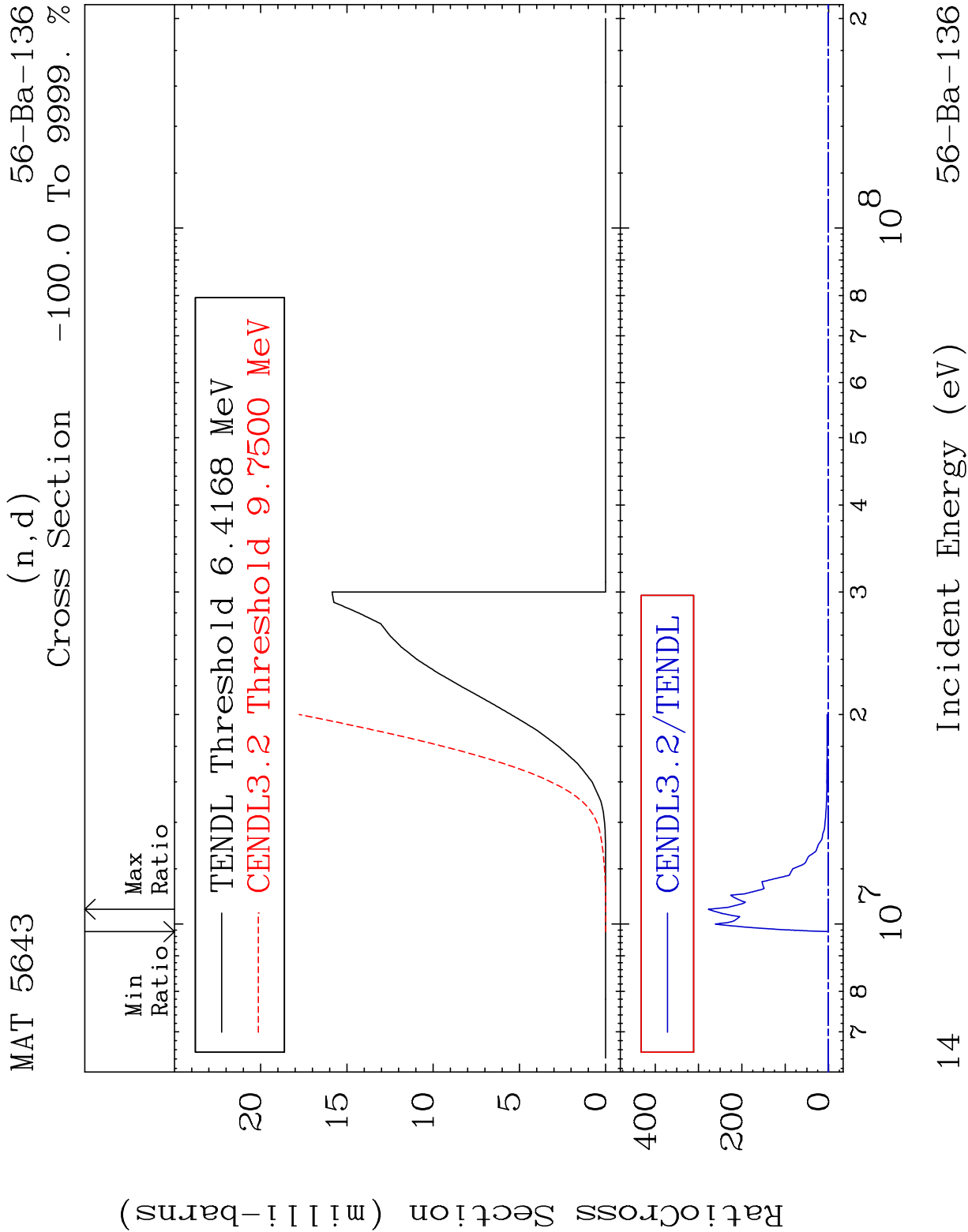


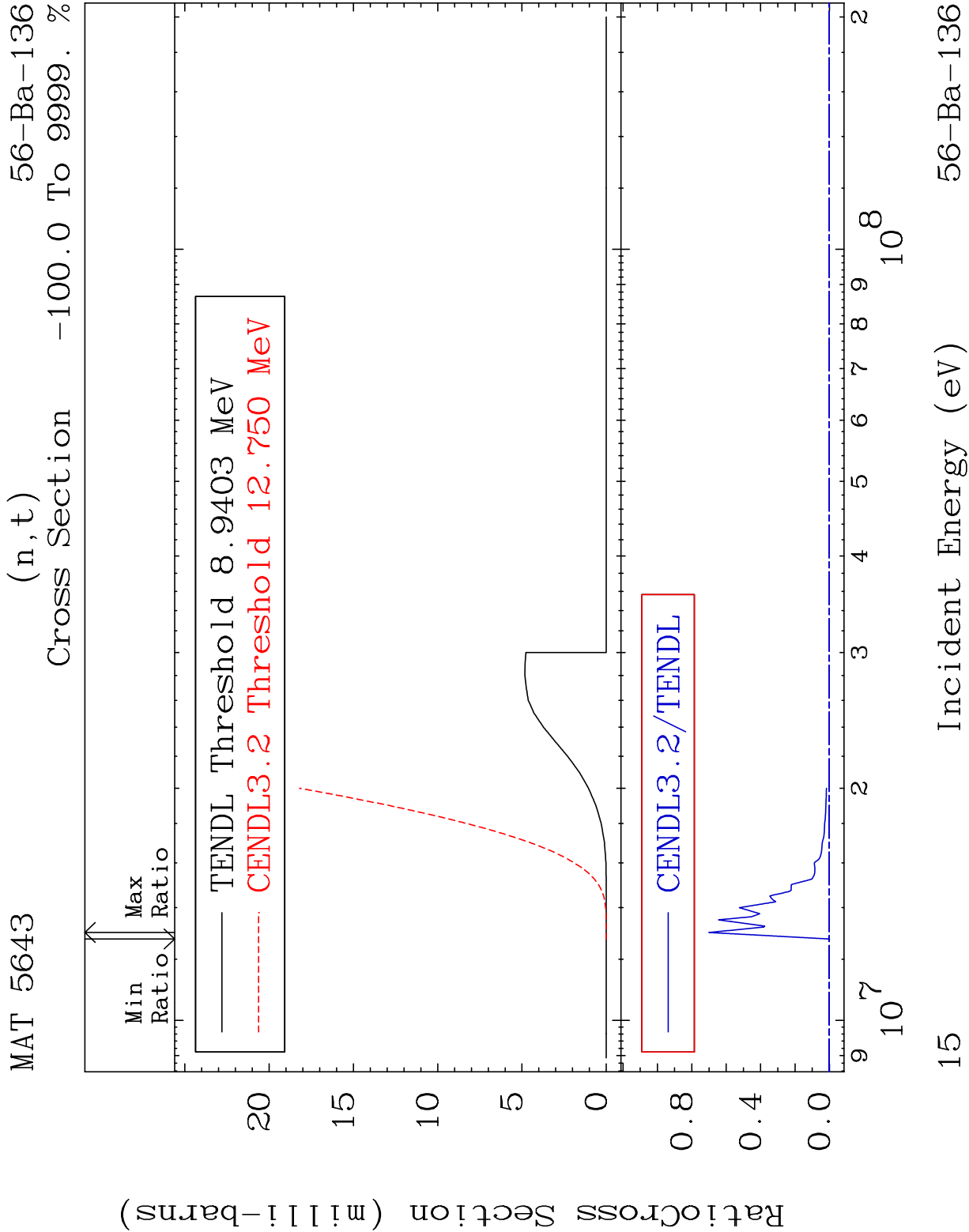
10 Incident Energy (eV) 56-Ba-136

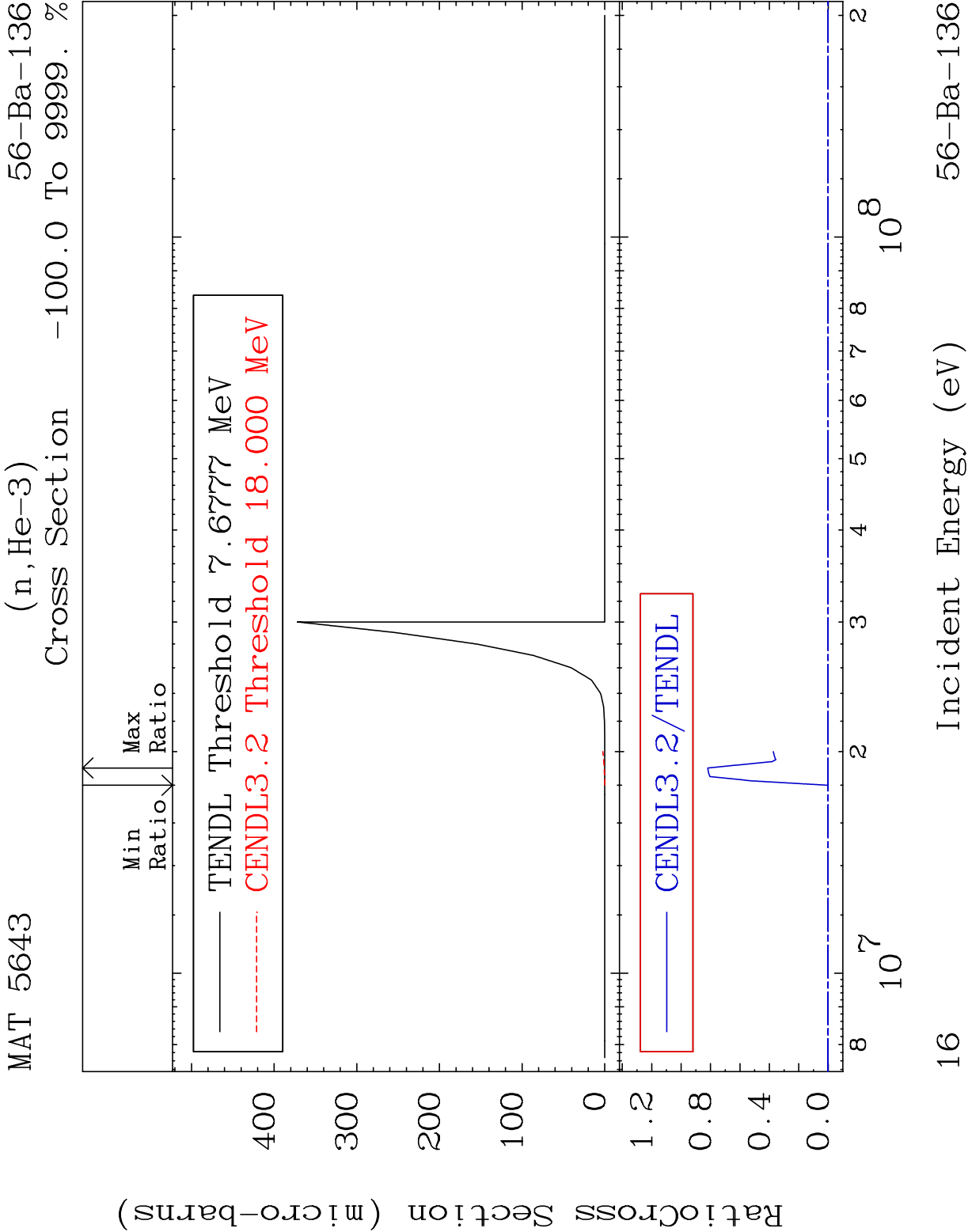


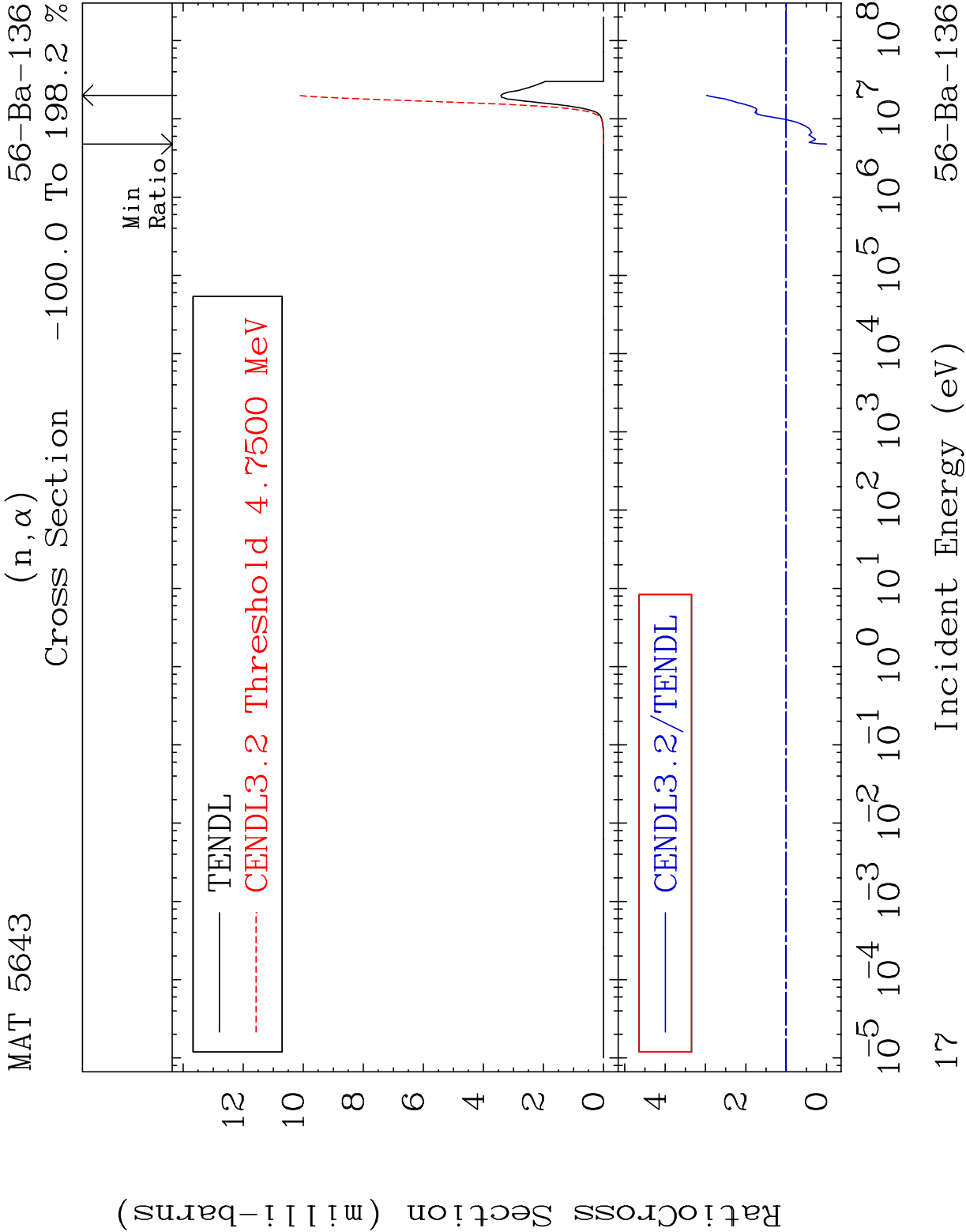


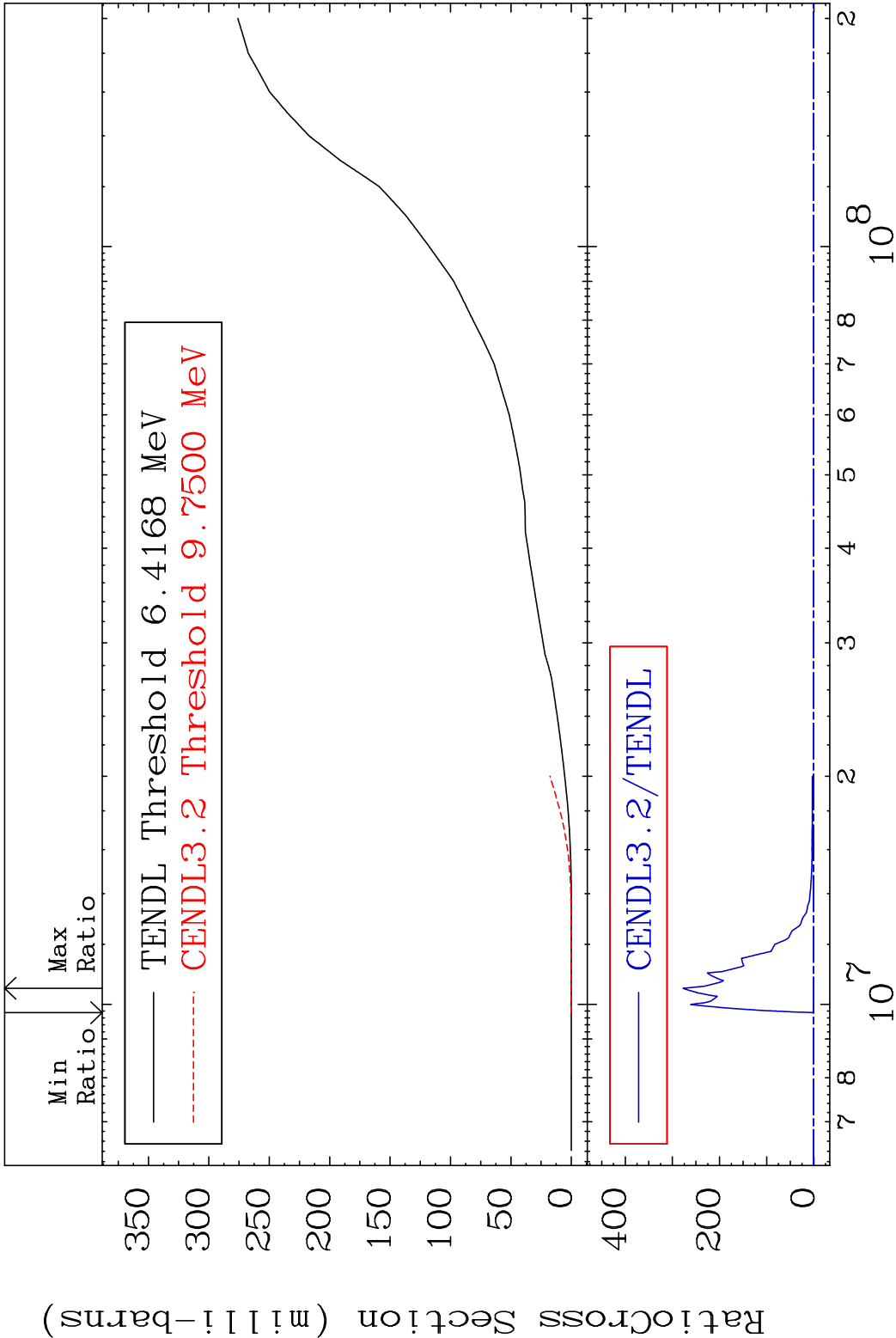


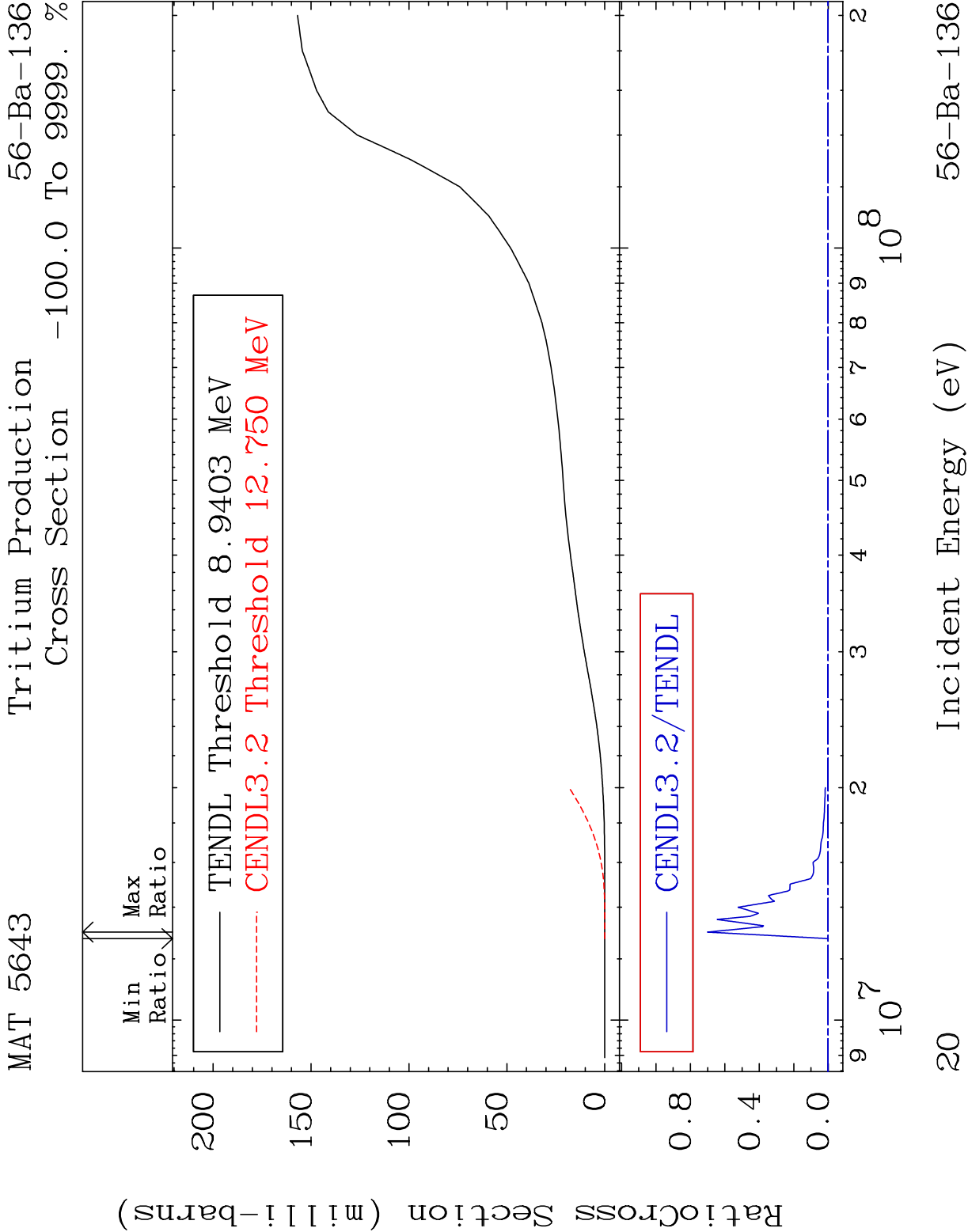


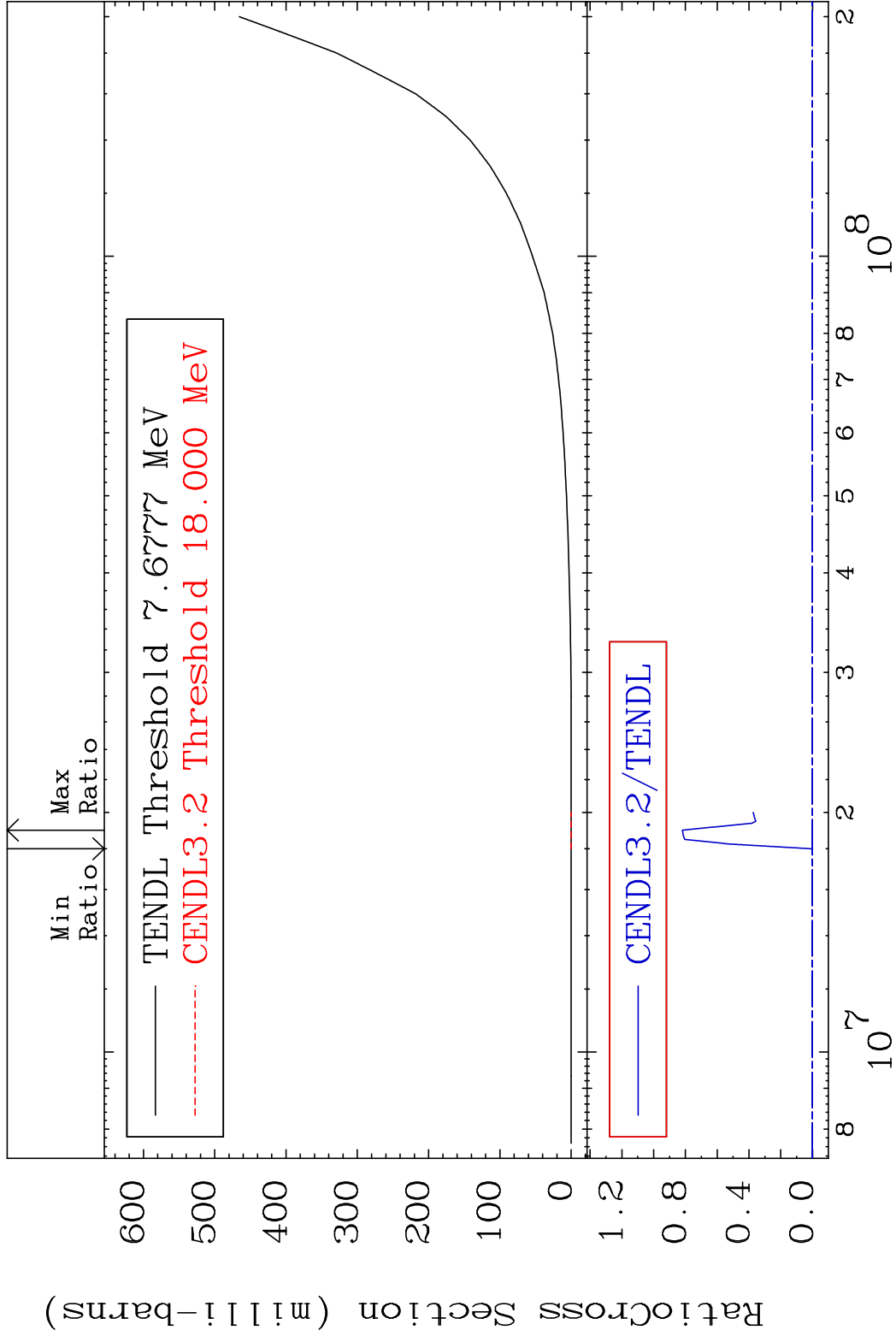


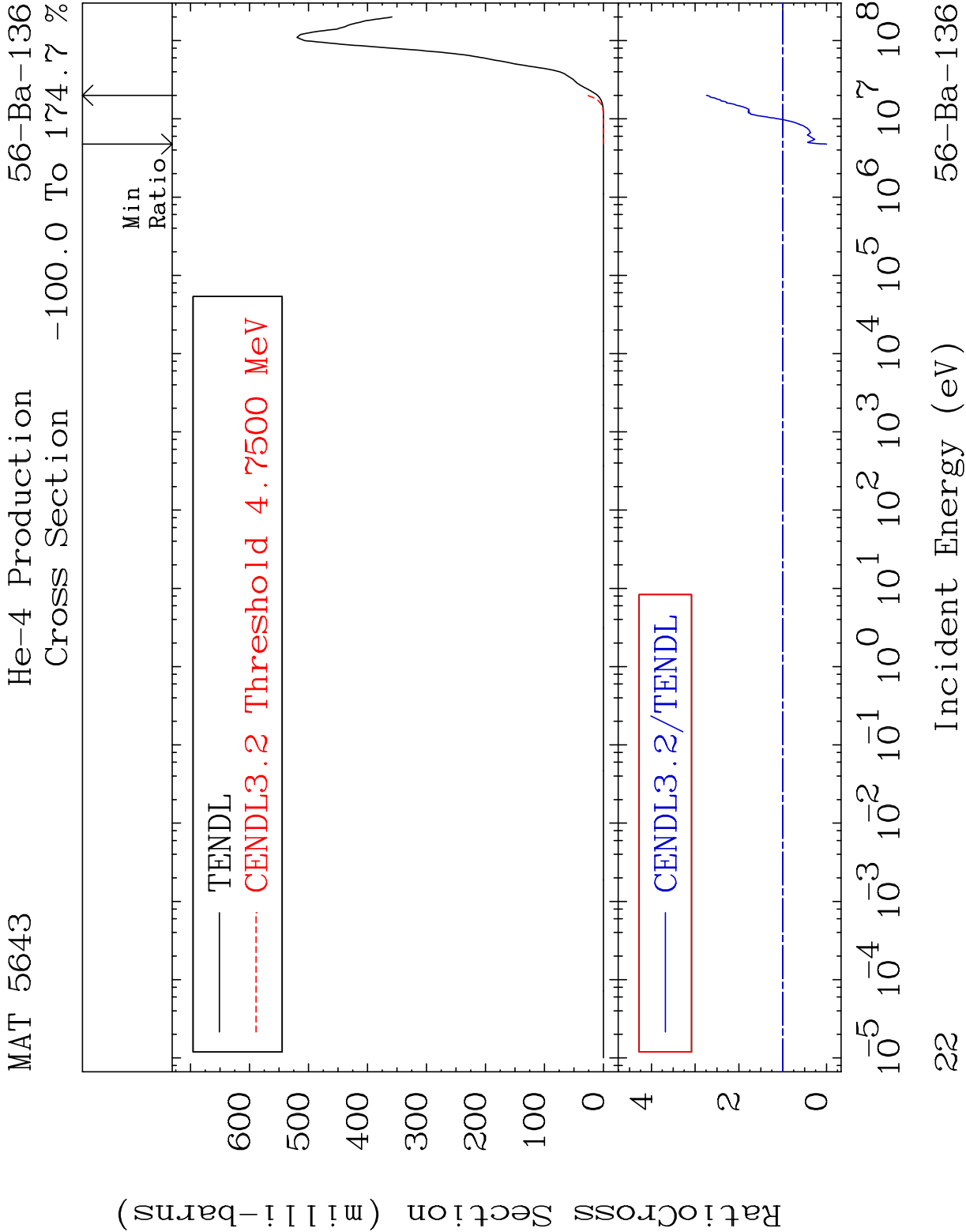




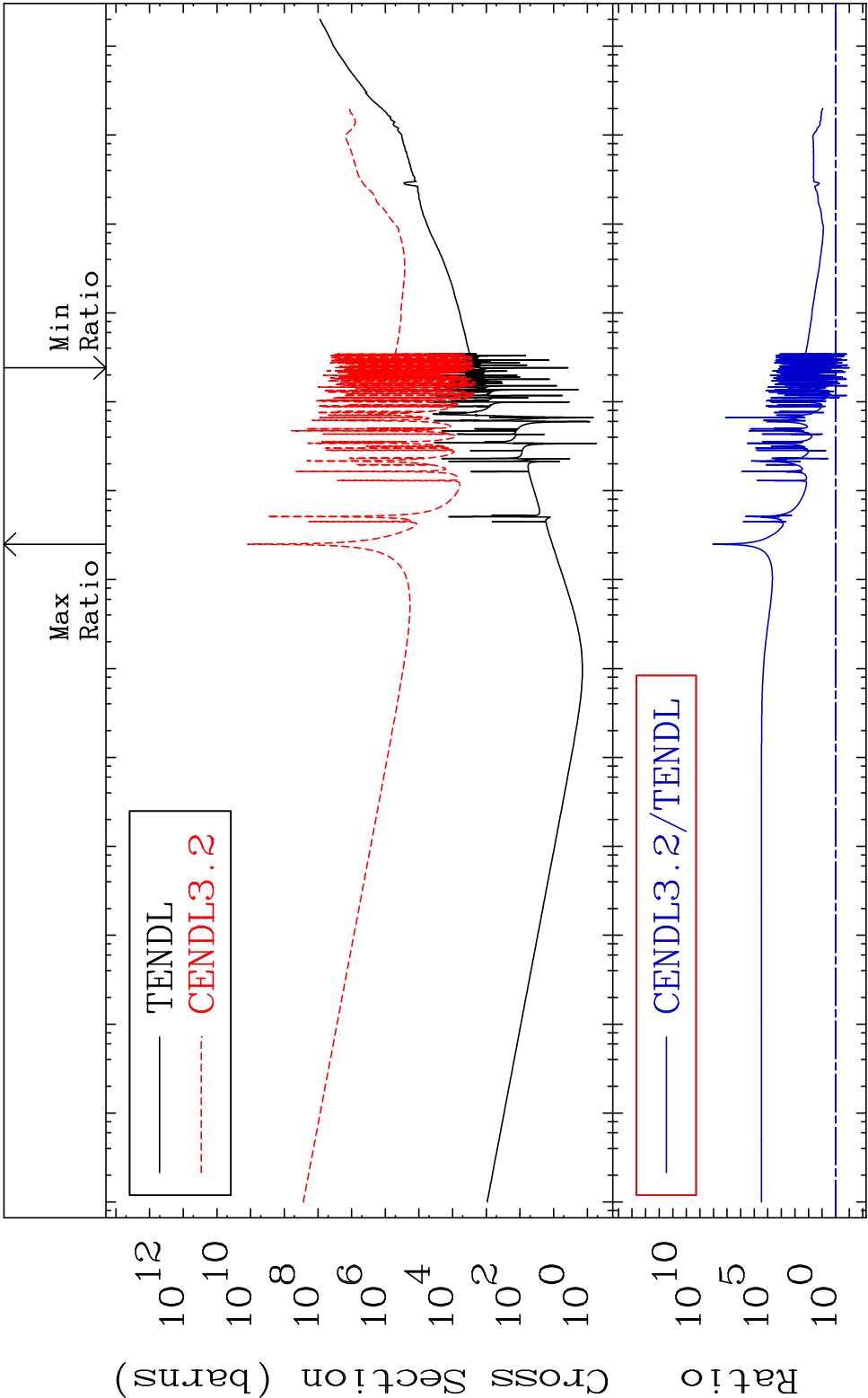


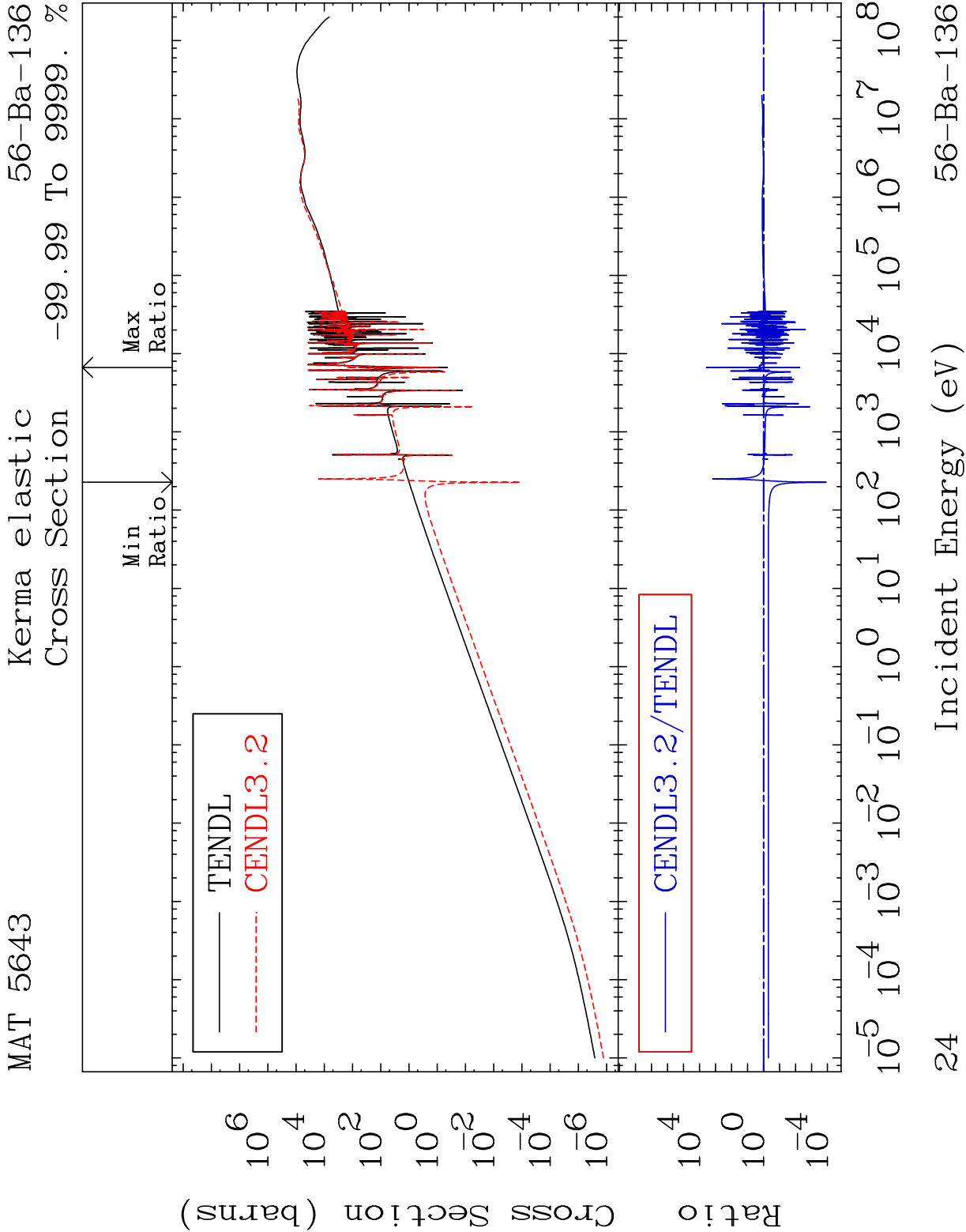




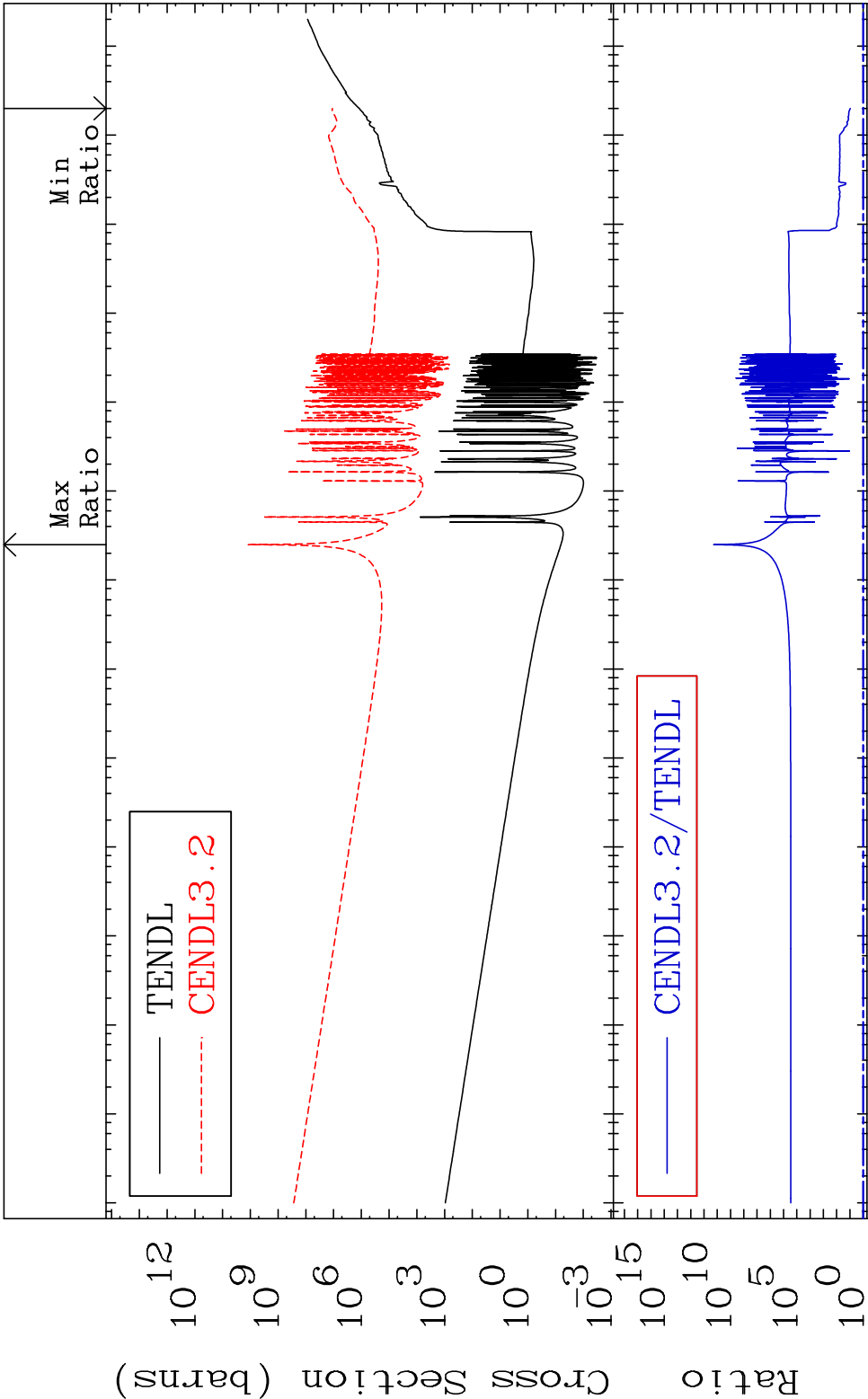


MAT 5643	Kerma total (eV-barns)	56-Ba-136
	Cross Section	-90.46 To 9999. %

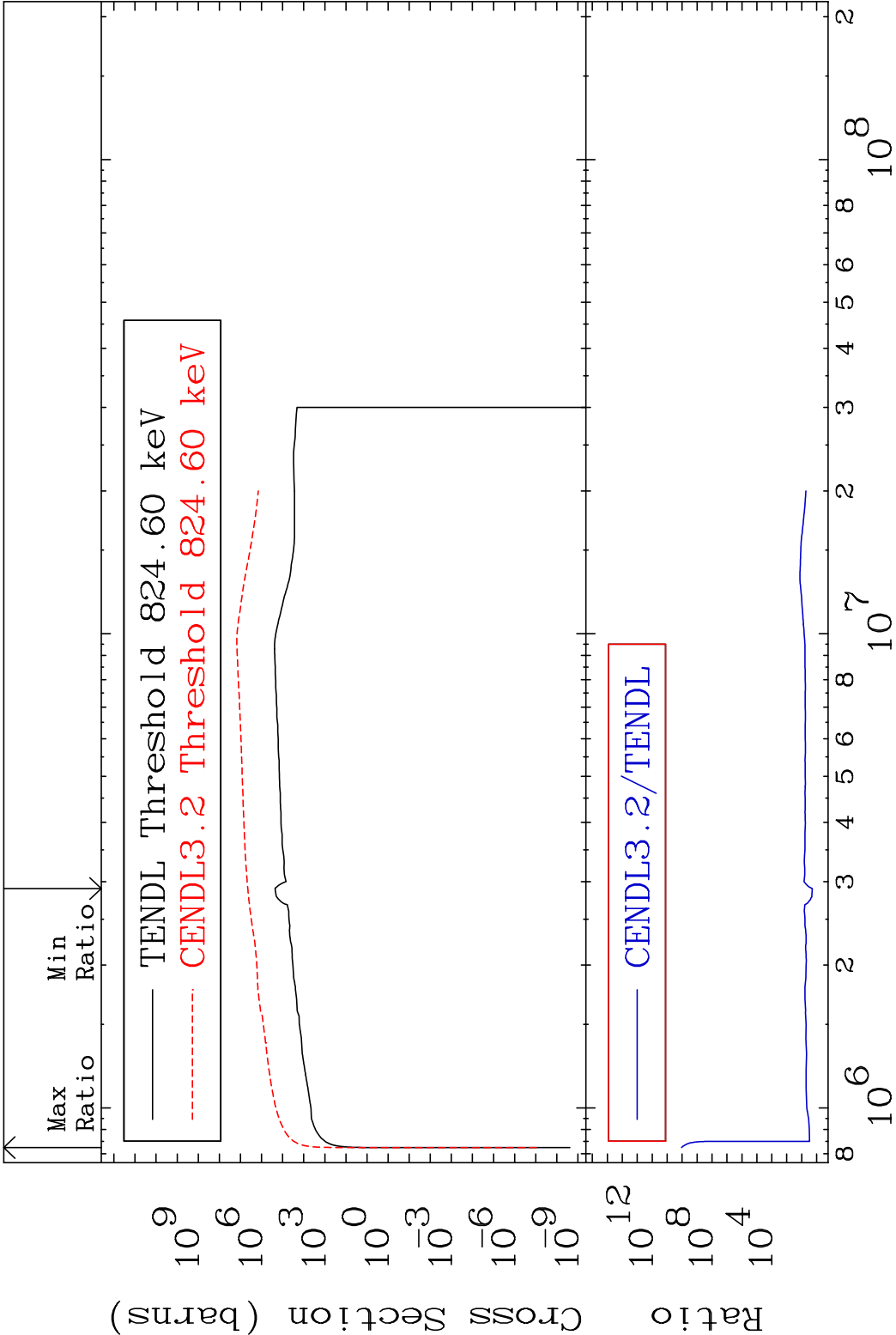




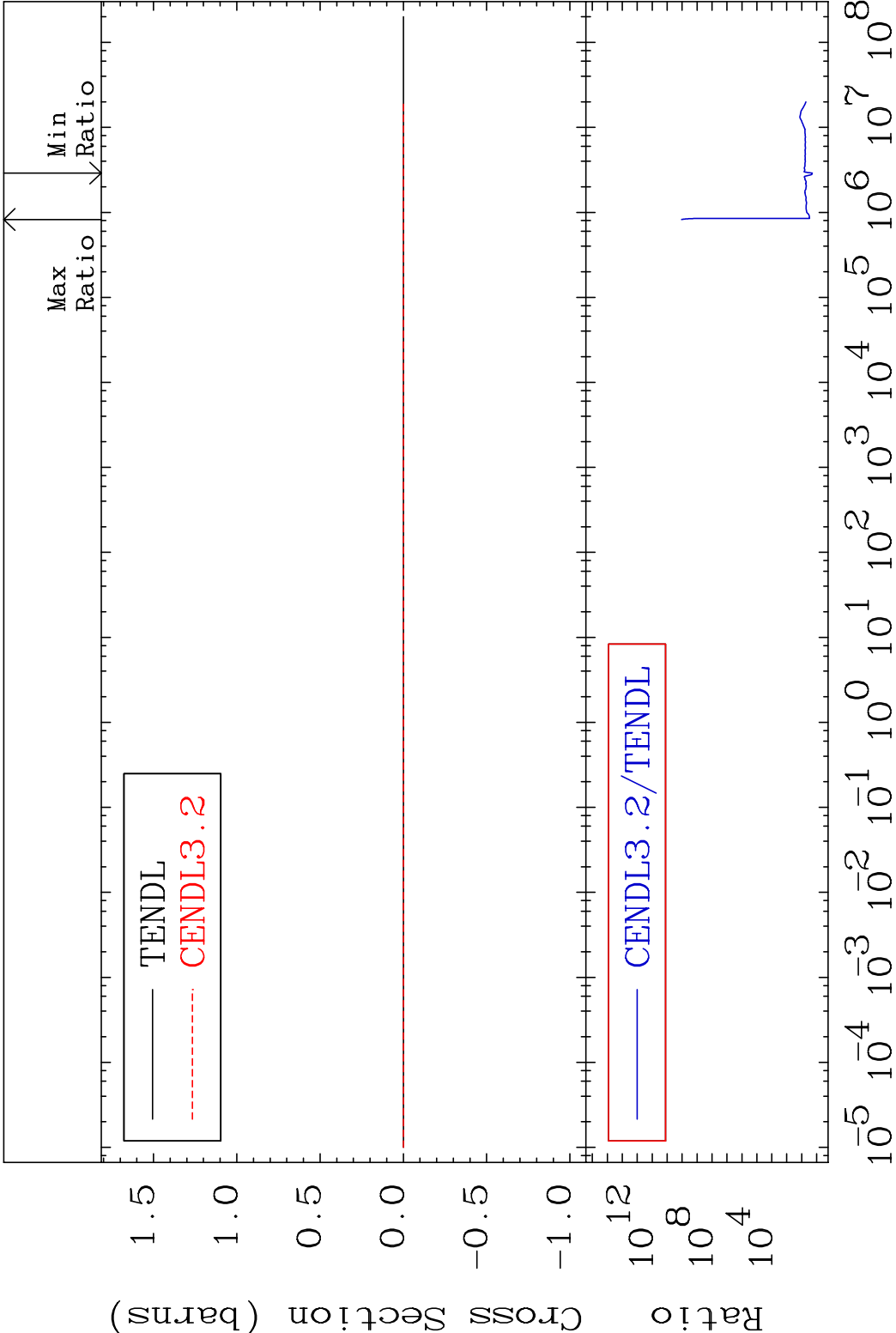
MAT 5643 Kerma non-elastic (all but mt2) 56-Ba-136
Cross Section 814.7 To 9999. %



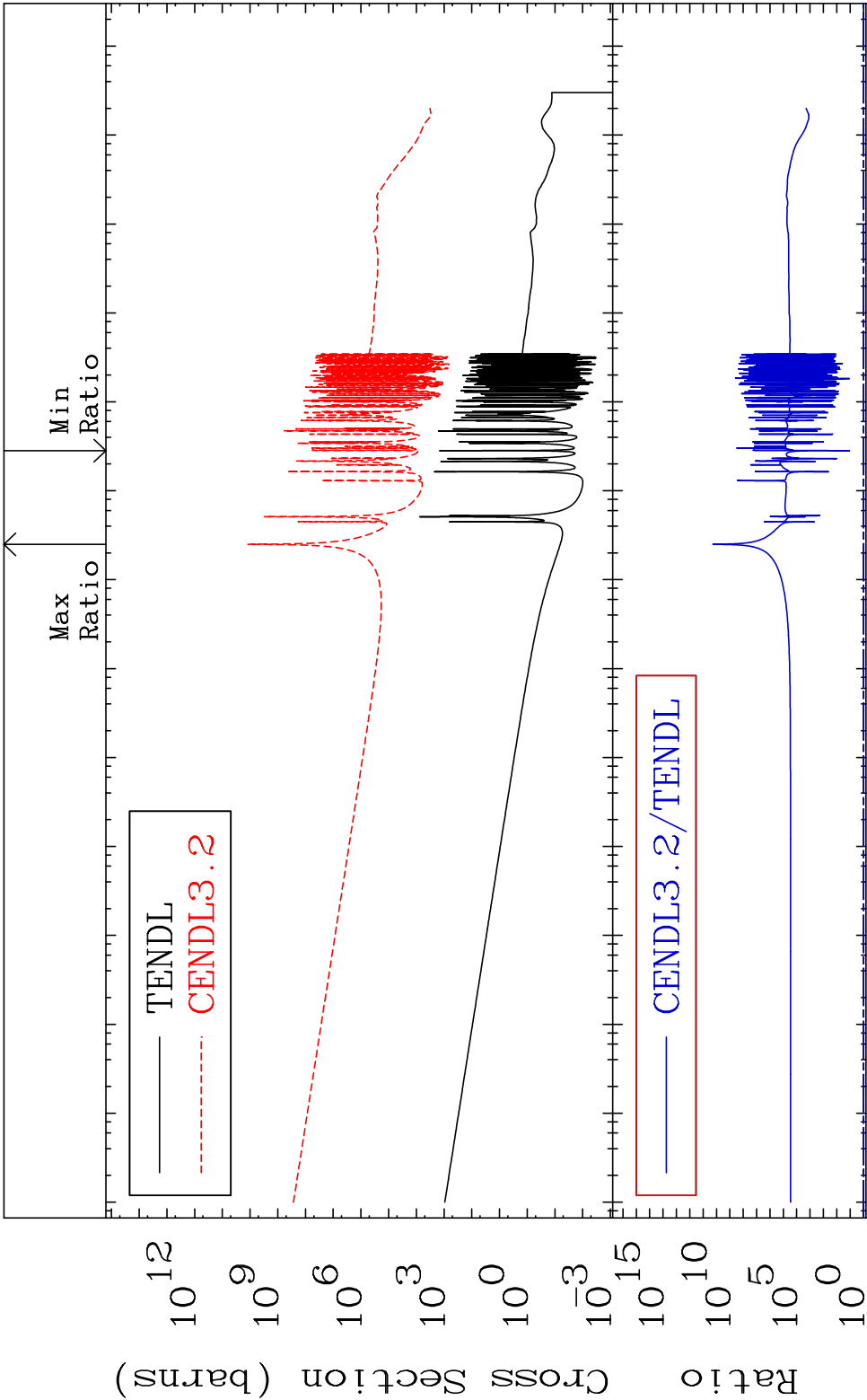
25 Incident Energy (eV) 56-Ba-136

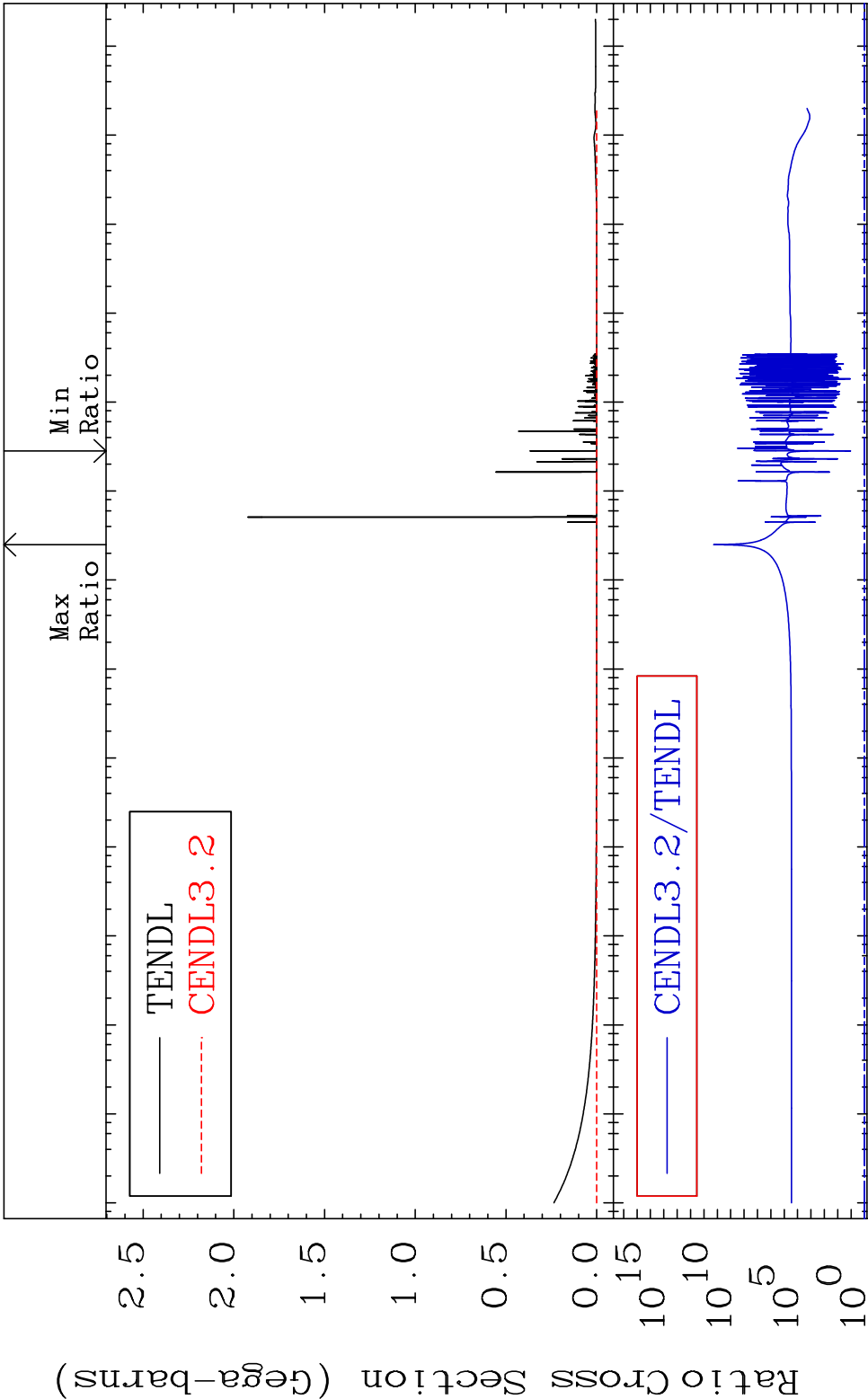


MAT 5643Kerma fission (mt18 or mt19-20-21-38)56-Ba-136
Cross Section 1877. To 9999. %



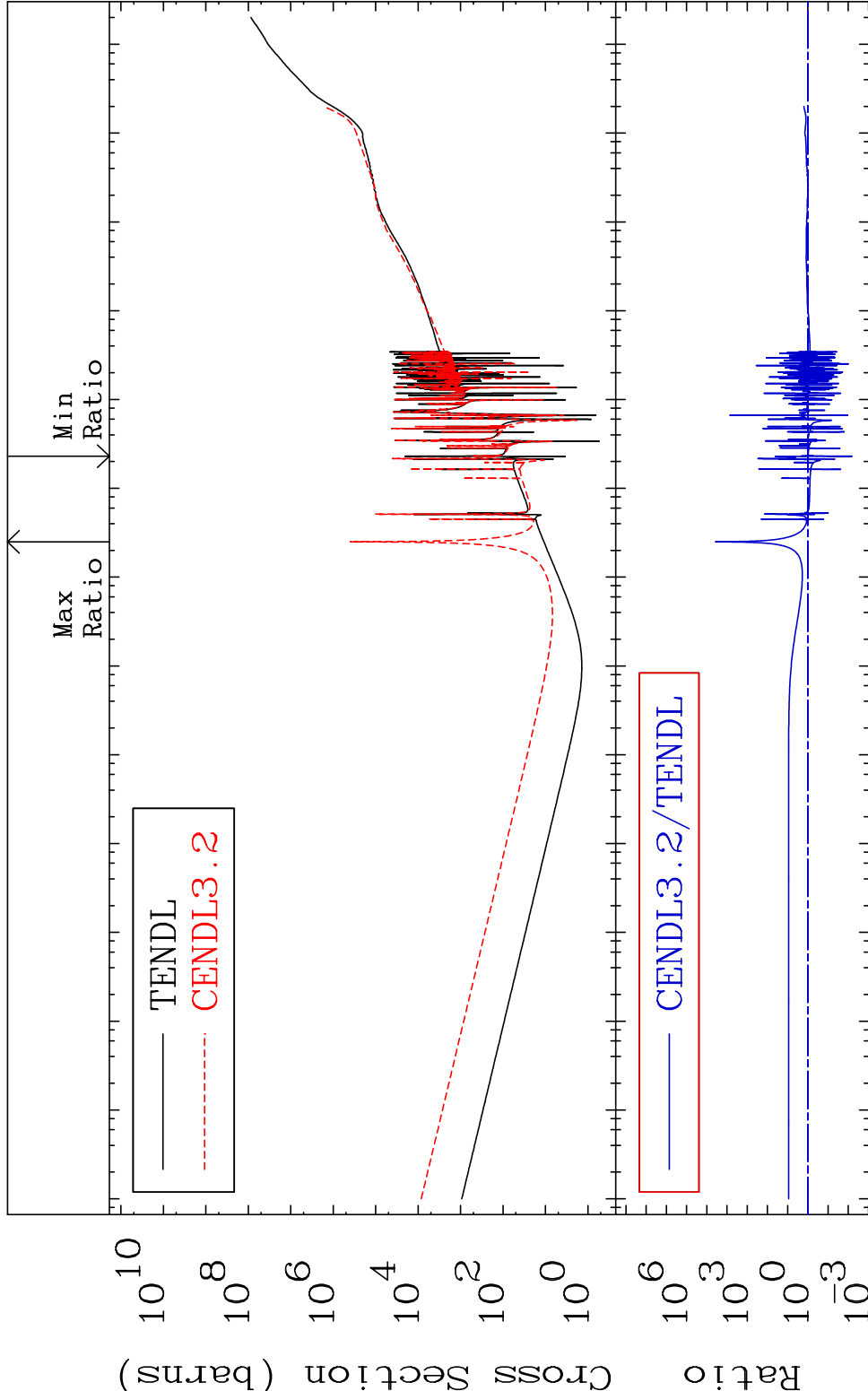
MAT 5643 Kerma capture (mt102) 56-Ba-136
 Cross Section 1032. To 9999. %





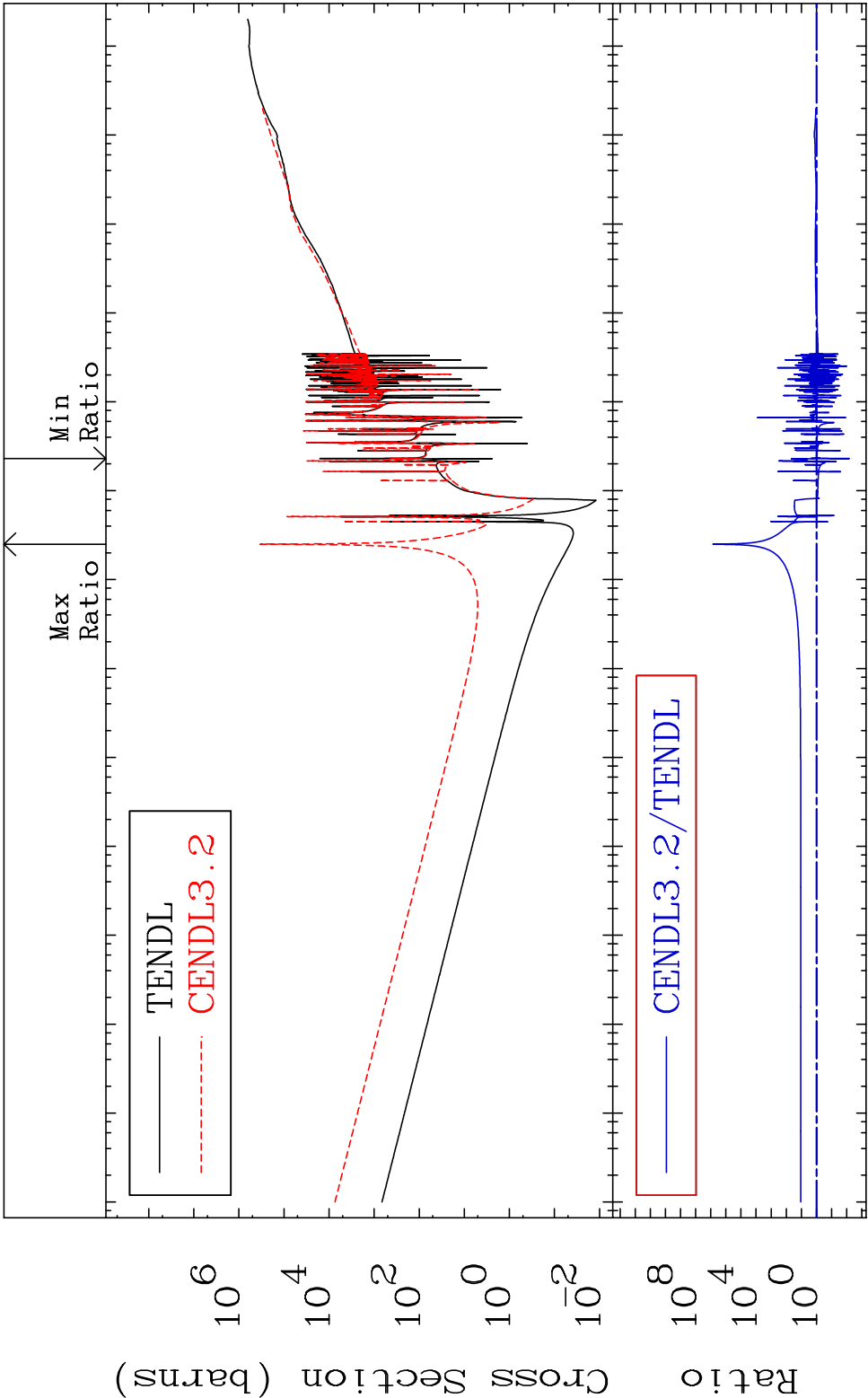
MAT 5643 Total kinematic kerma (high limit) 56-Ba-136

Cross Section -99.36 To 9999. %

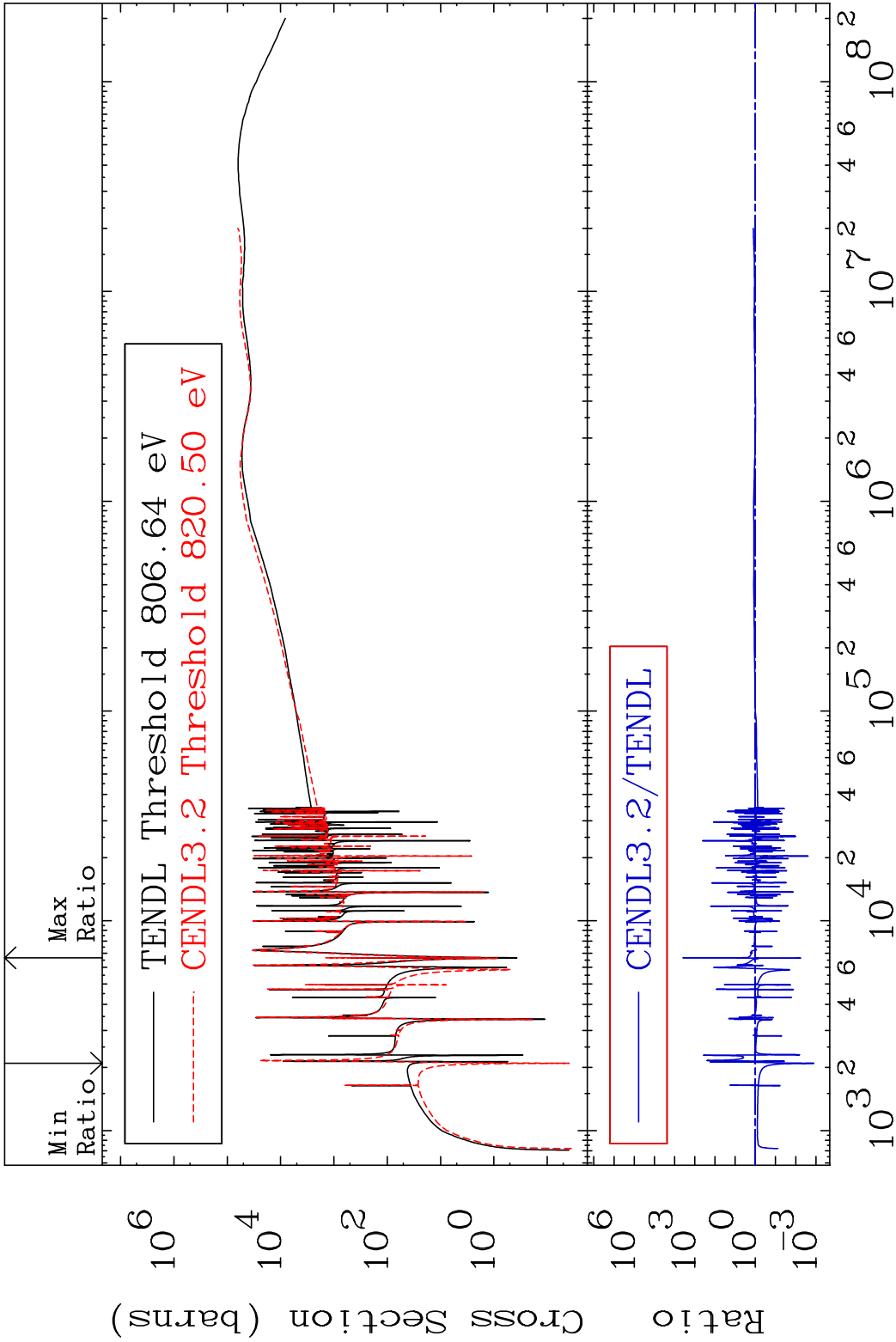


30 Incident Energy (eV) 56-Ba-136

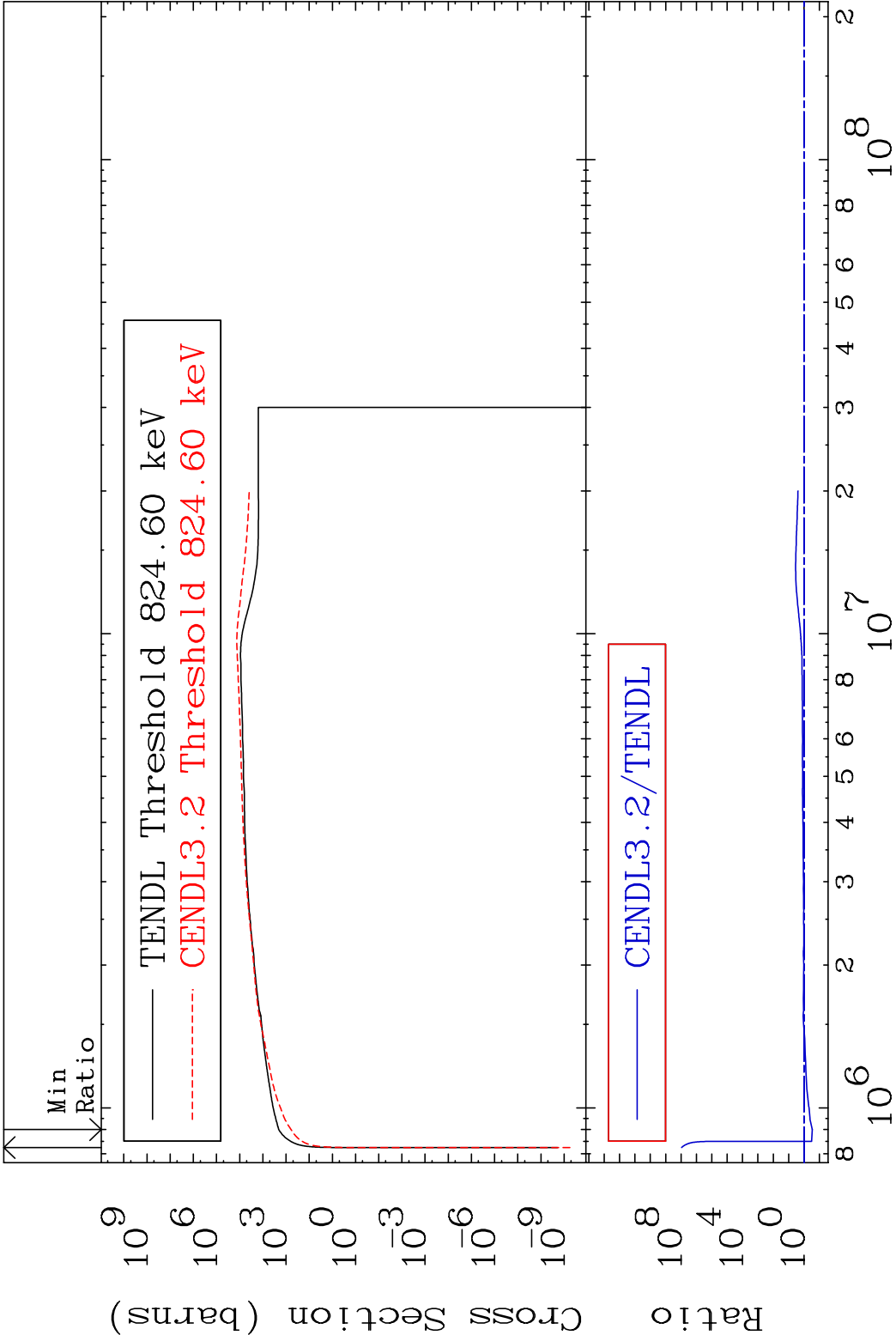
MAT 5643 Dpa total (eV-barns) 56-Ba-136
 Cross Section -99.36 To 9999. %



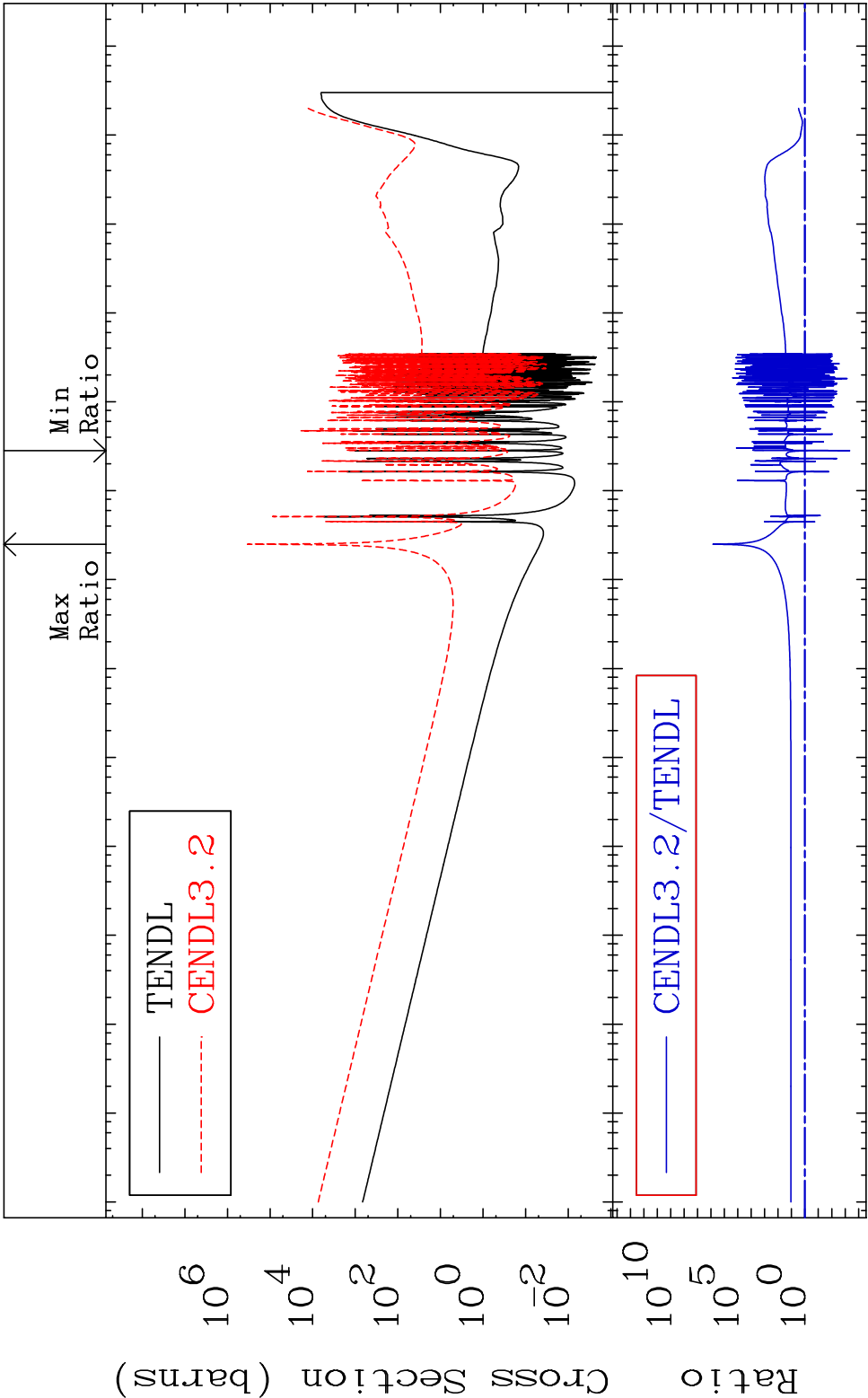
MAT 5643 Dpa elastic (mt2) 56-Ba-136
Cross Section -99.87 To 9999. %



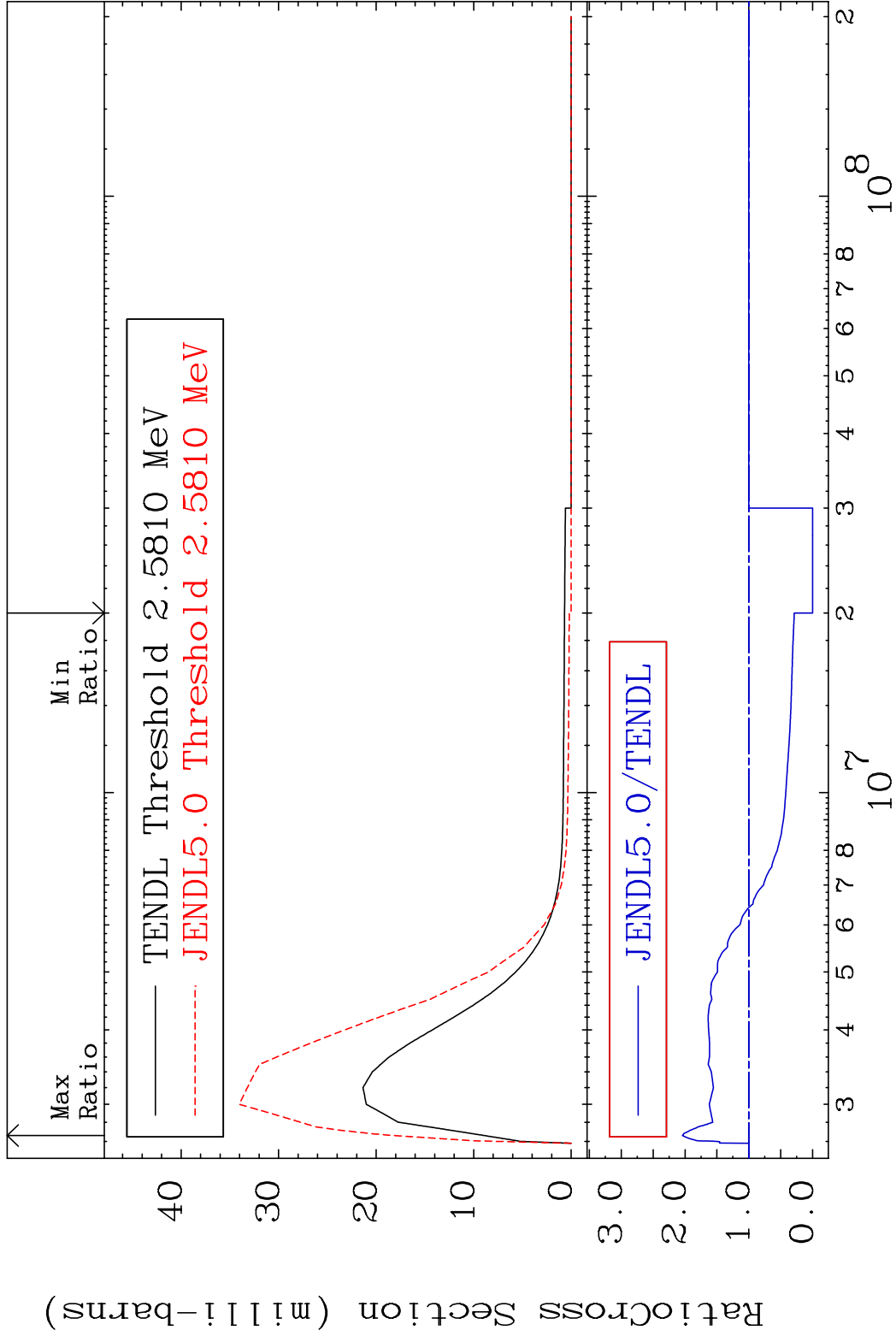
MAT 5643 Dpa inelastic (mt51-91) 56-Ba-136
Cross Section -70.75 To 9999. %

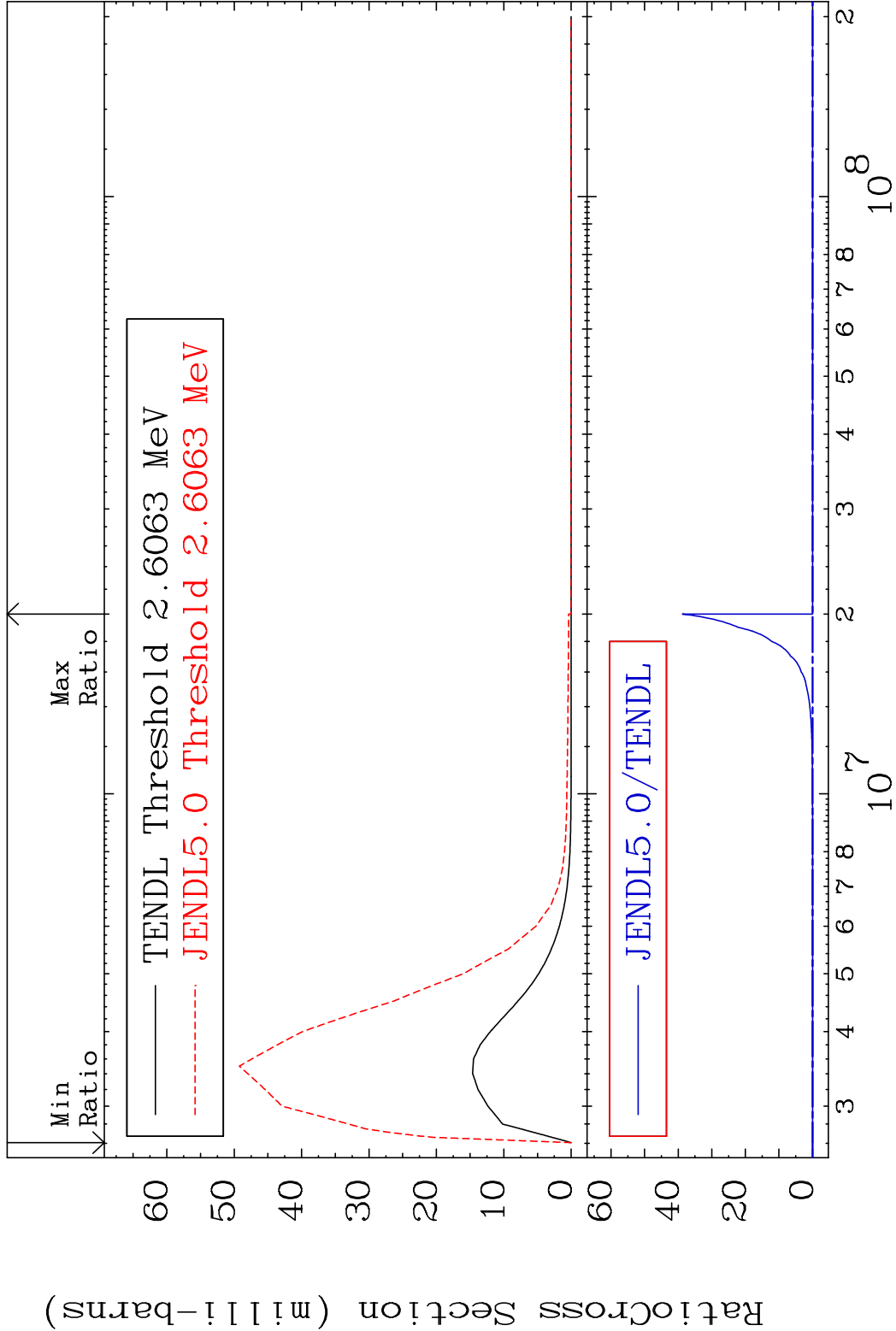


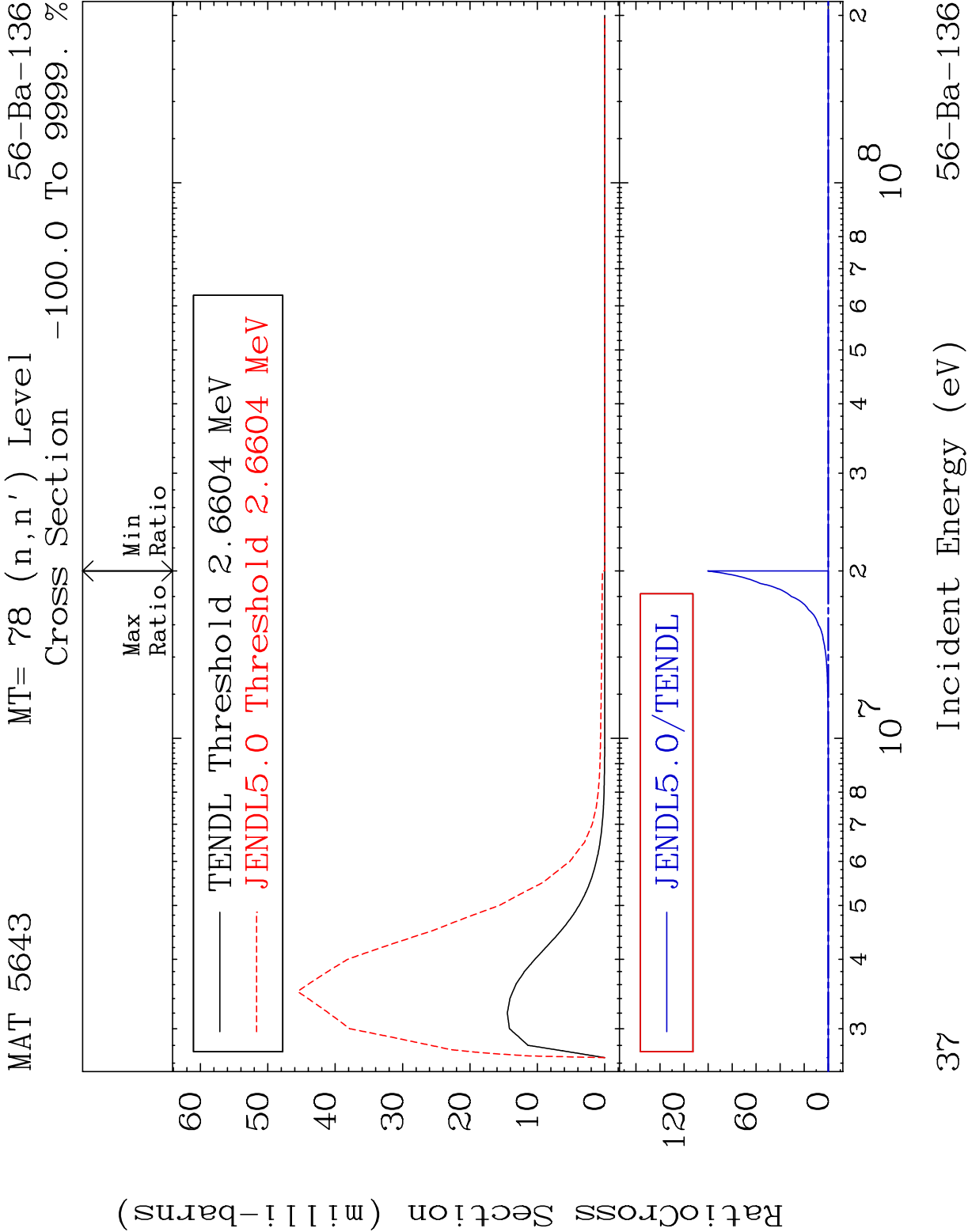
MAT 5643 Dpa disappearance (mt102 -120) 56-Ba-136
 Cross Section -99.95 To 9999. %



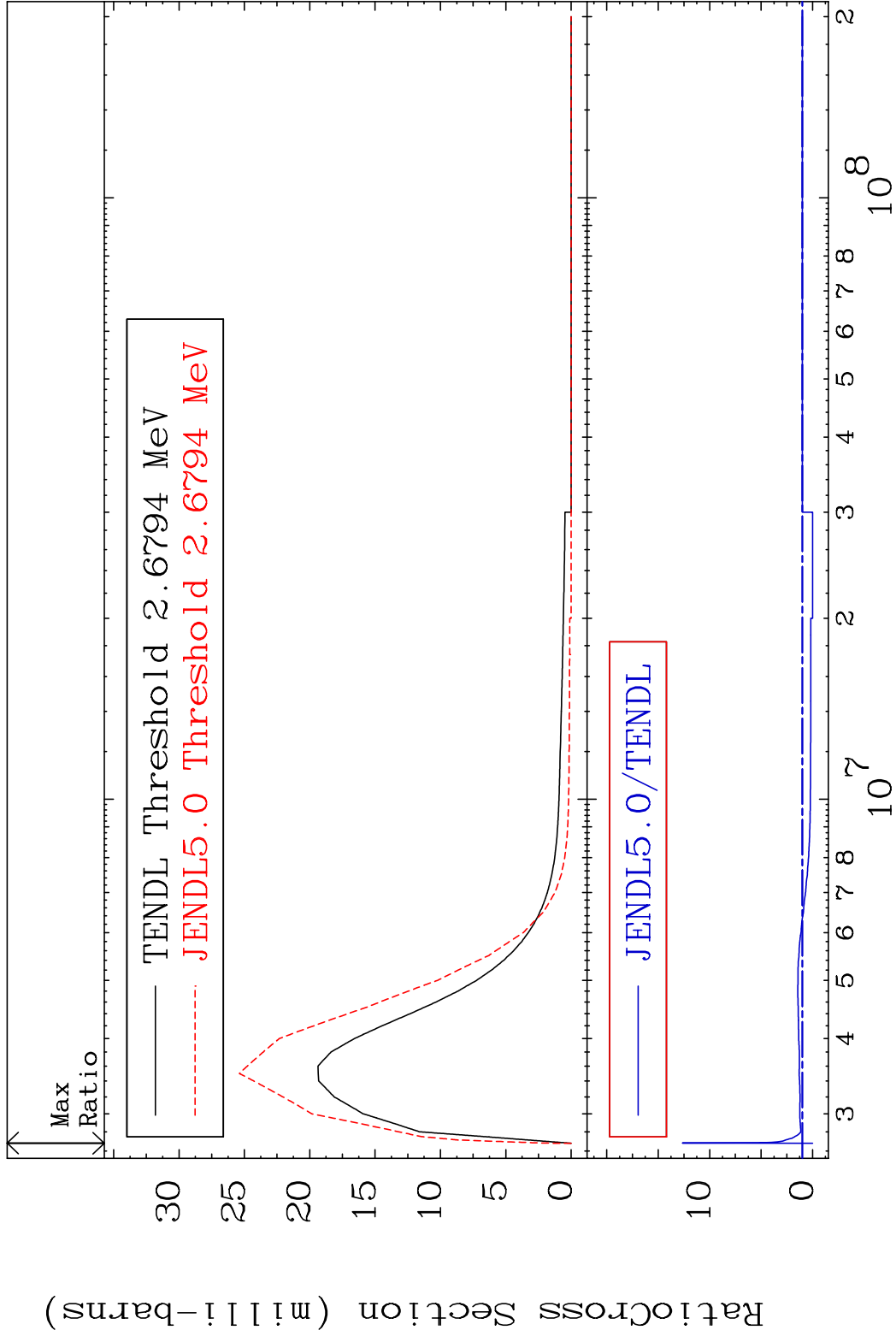
MAT 5643 MT= 76 (n,n') Level 56-Ba-136
Cross Section -100.0 To 104.2 %





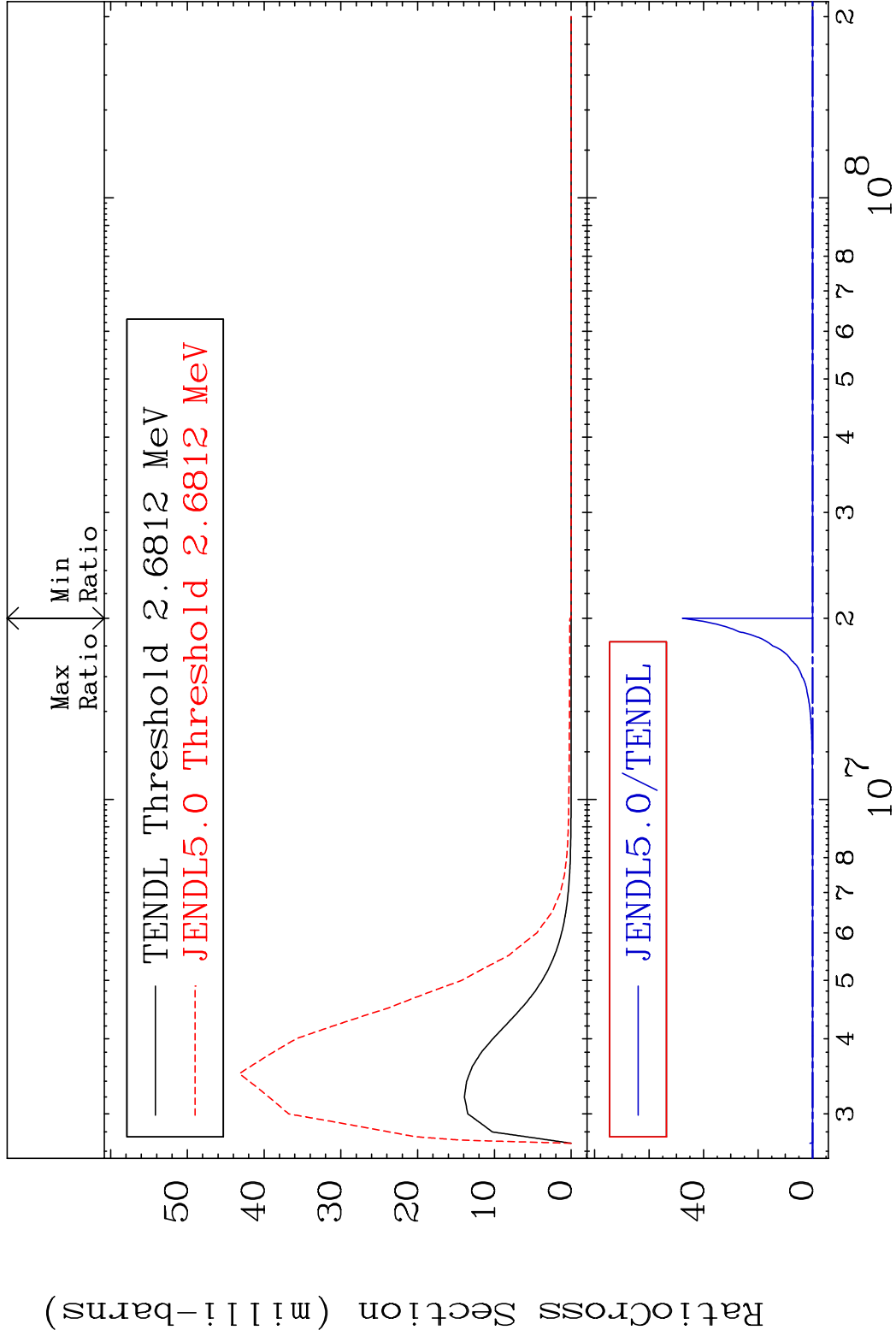


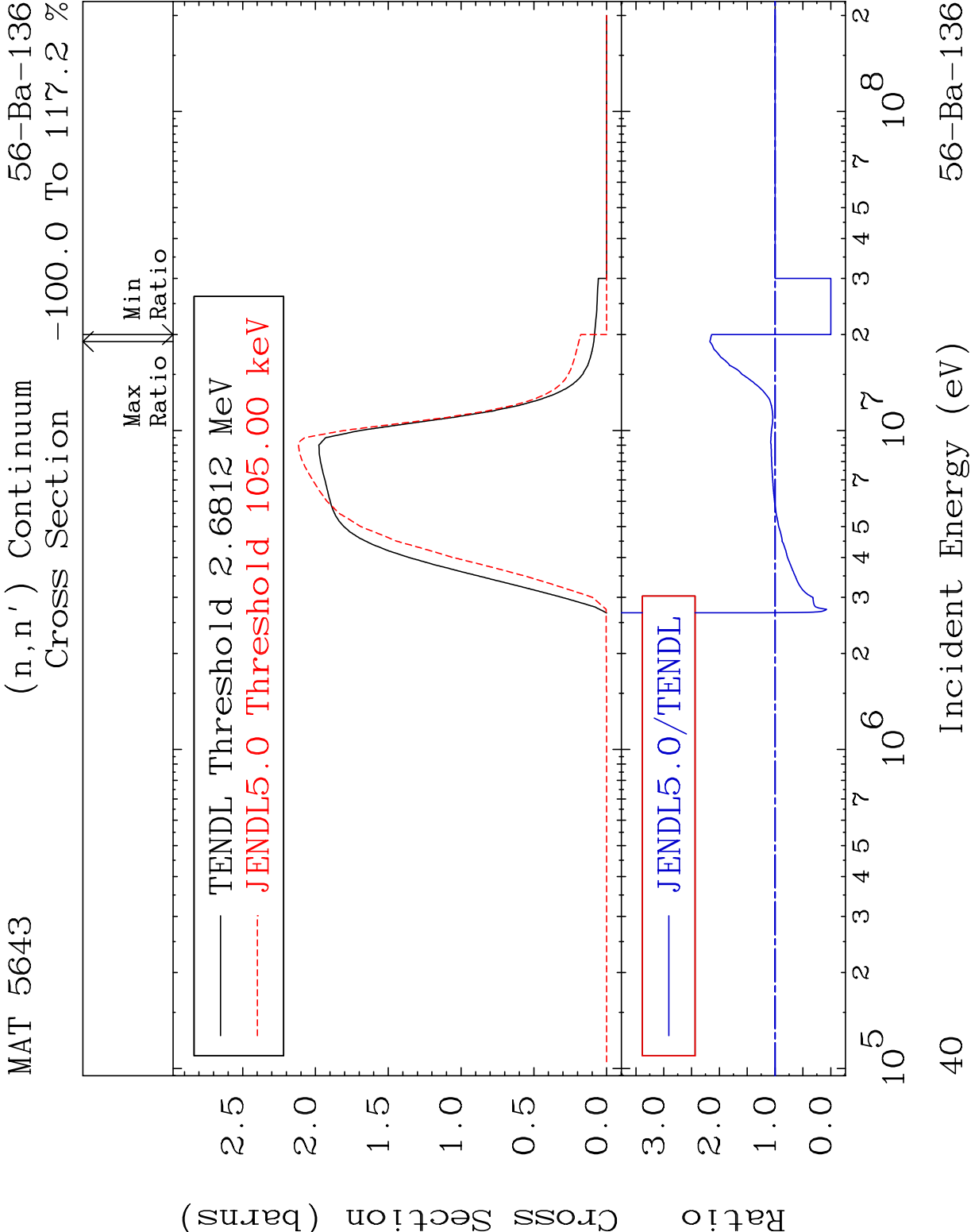
MAT 5643 MT= 79 (n,n') Level 56-Ba-136
Cross Section -100.0 To 1165. %

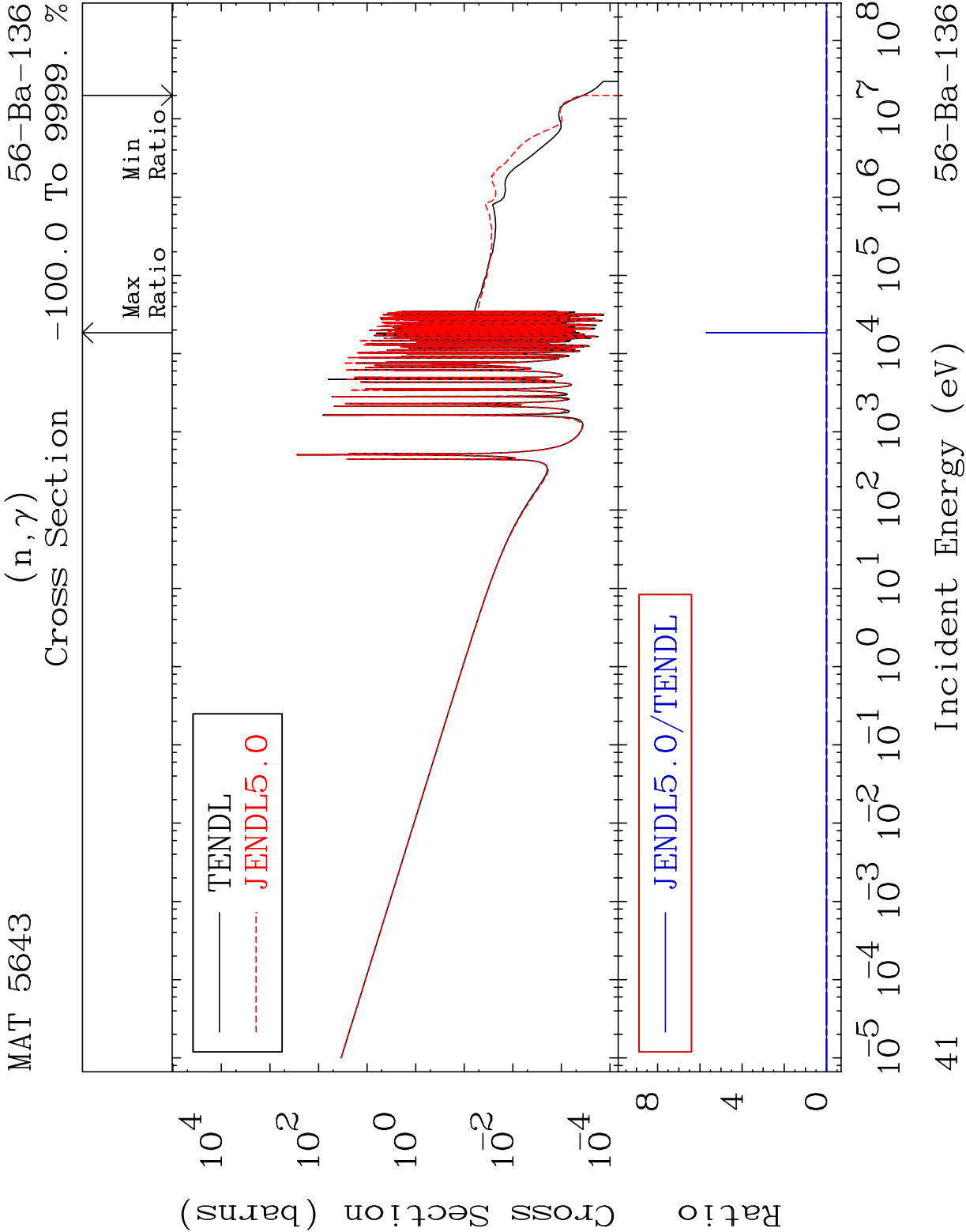


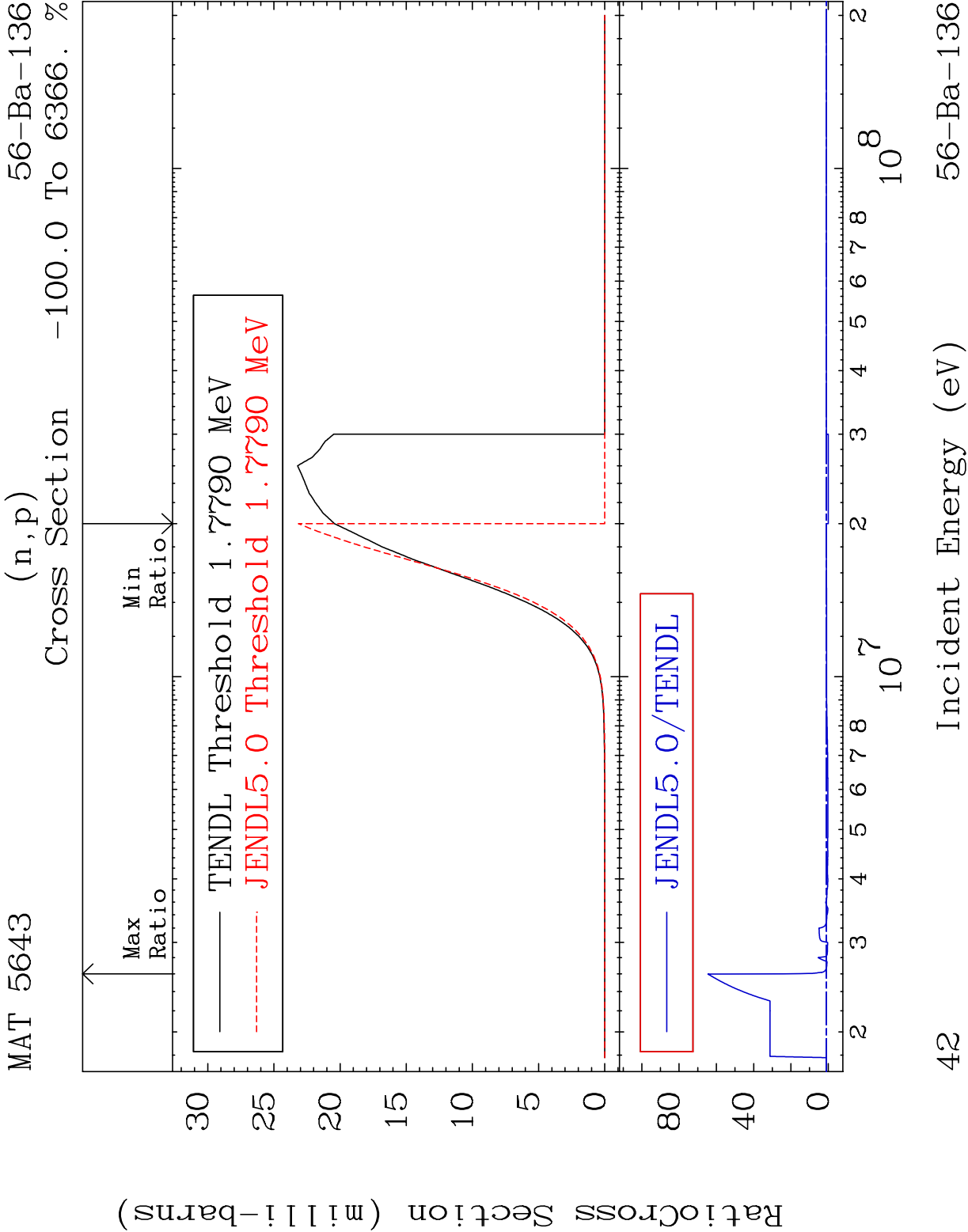
MAT 5643 MT= 80 (n,n') Level 56-Ba-136

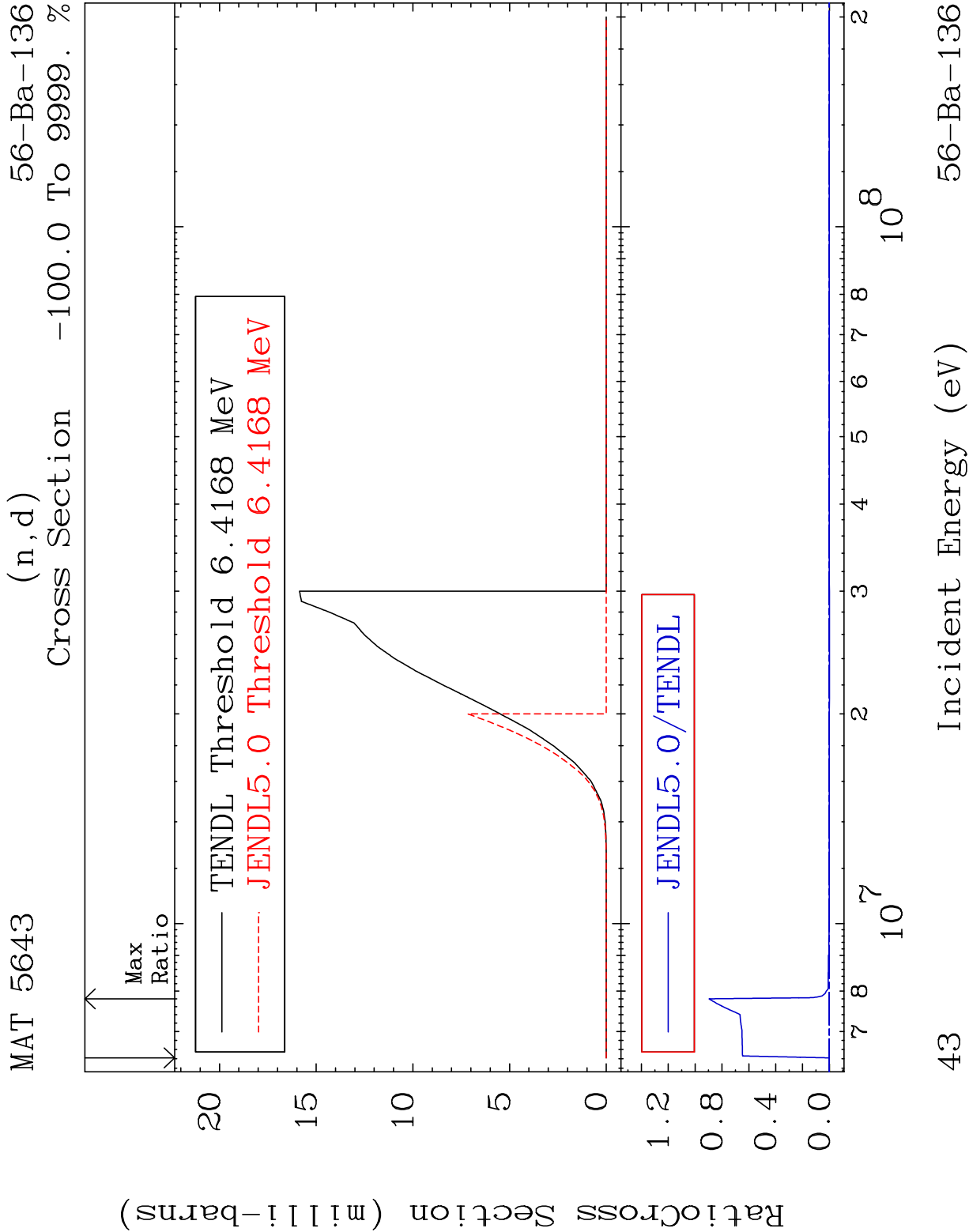
Cross Section -100.0 To 9999. %

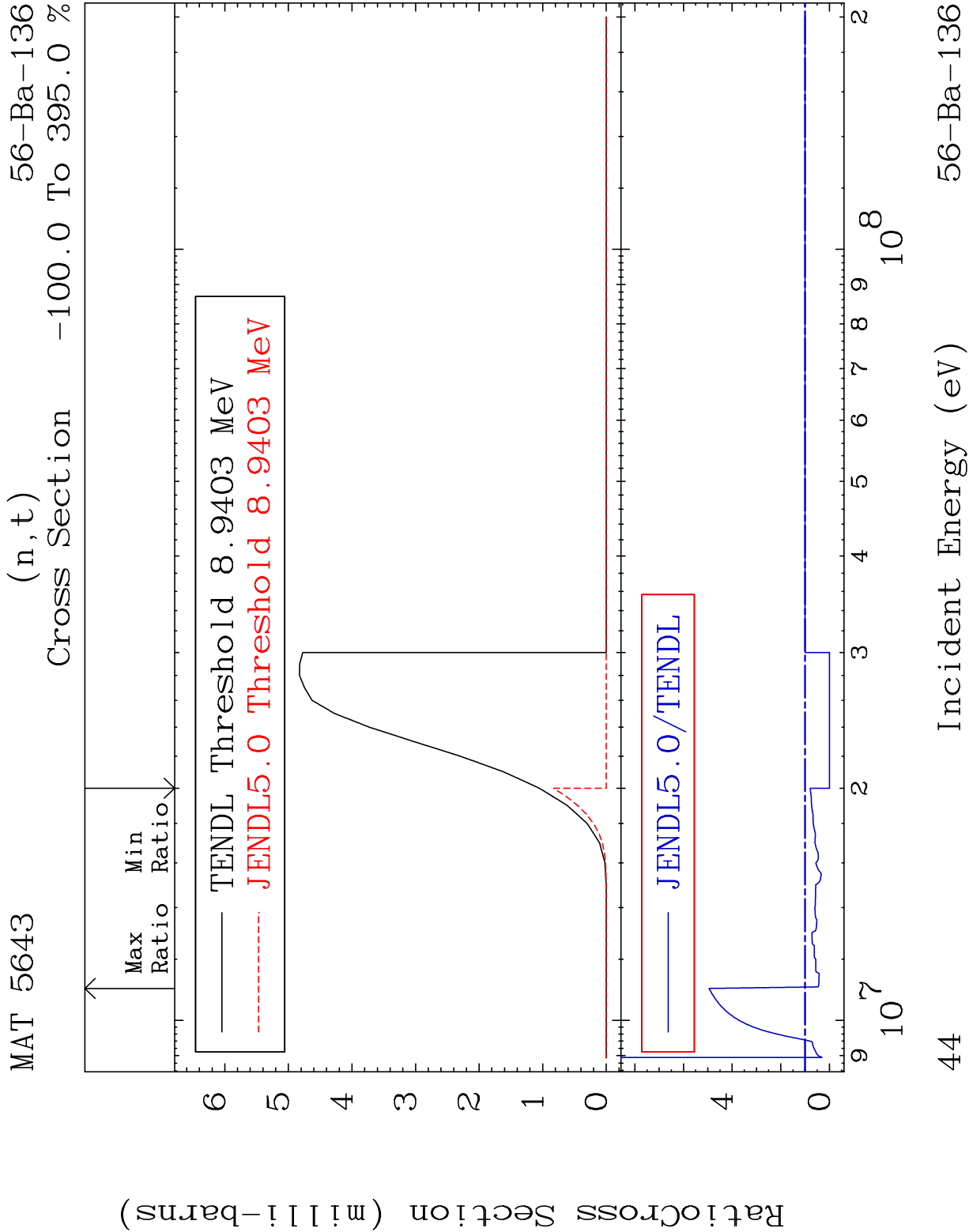


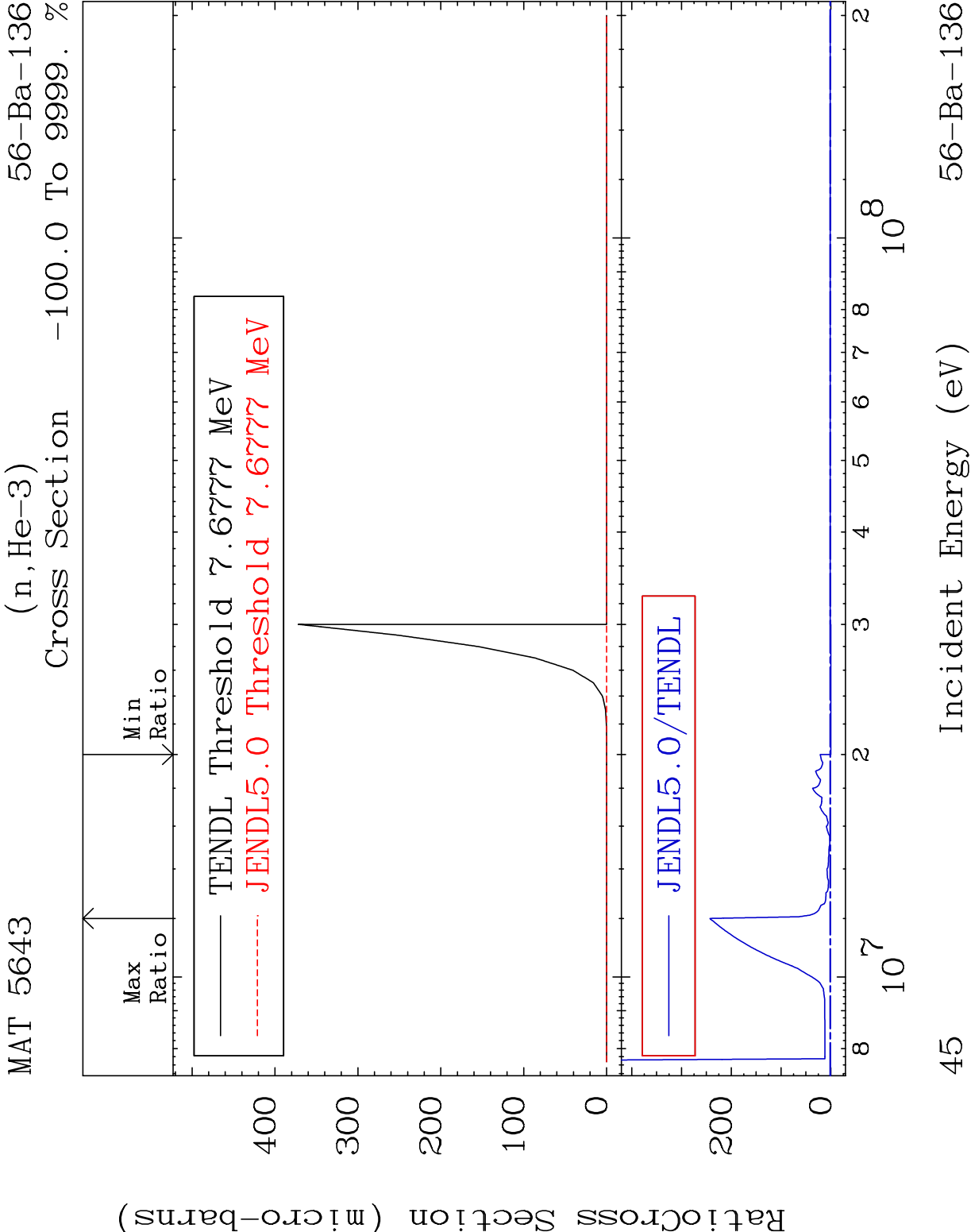


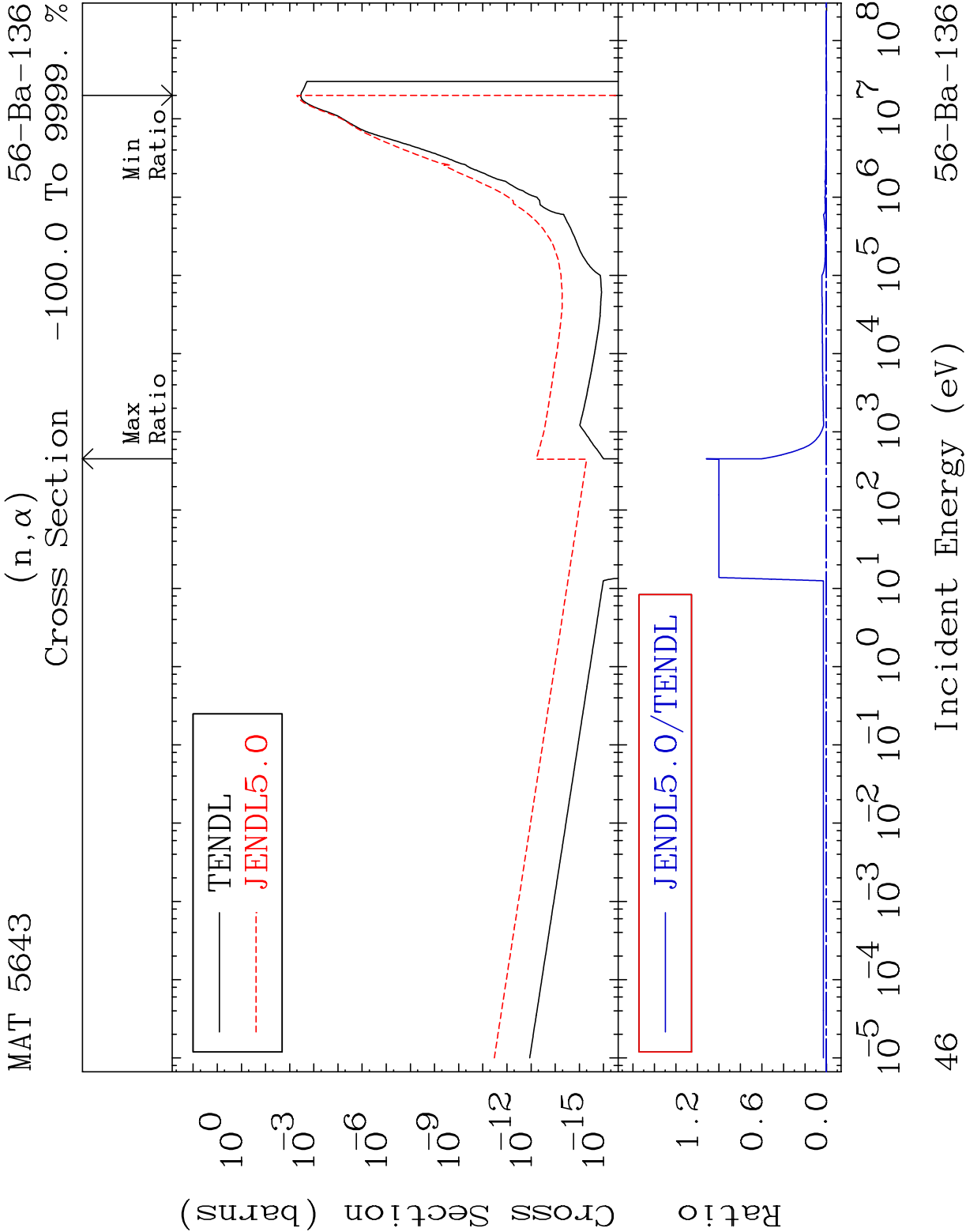


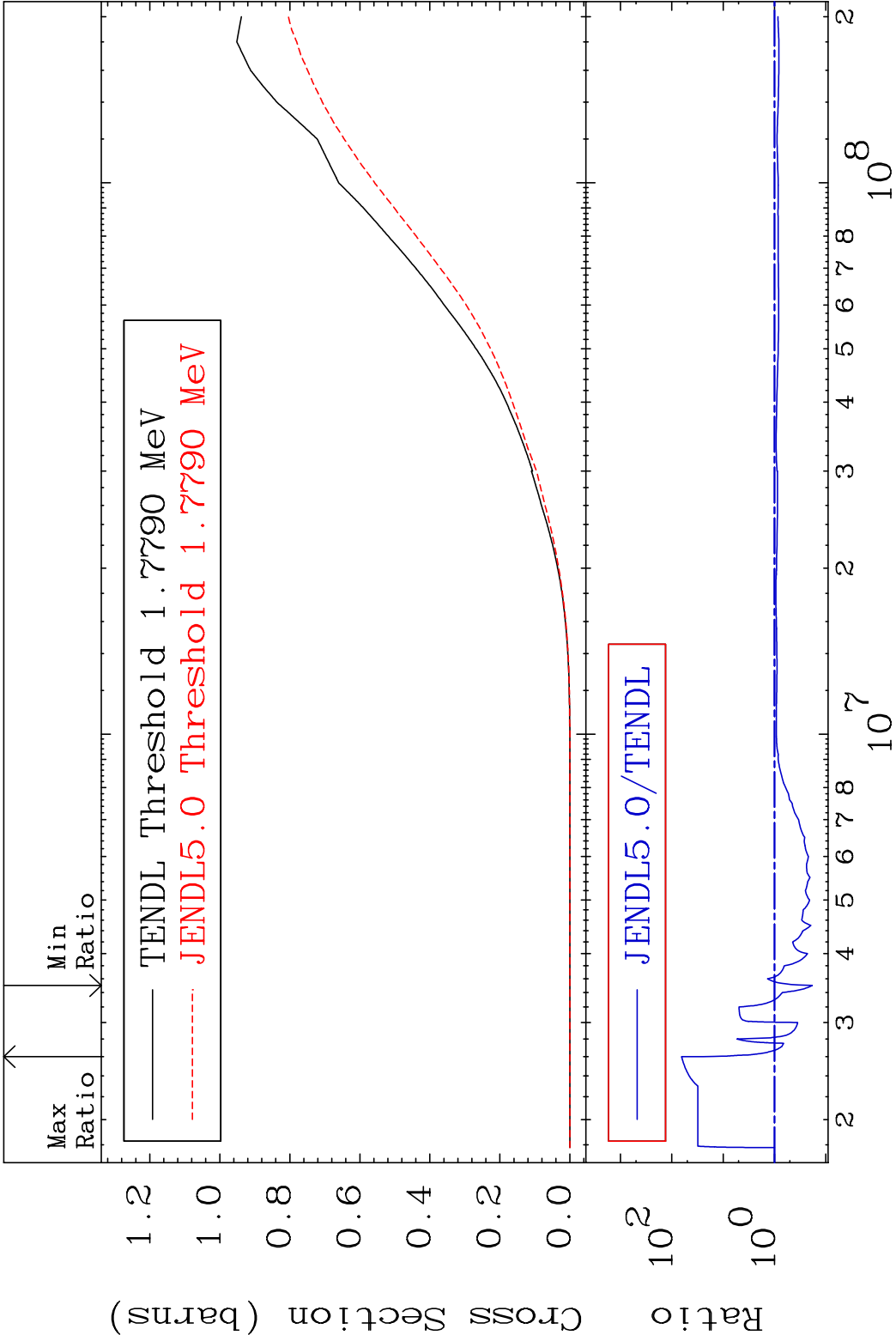


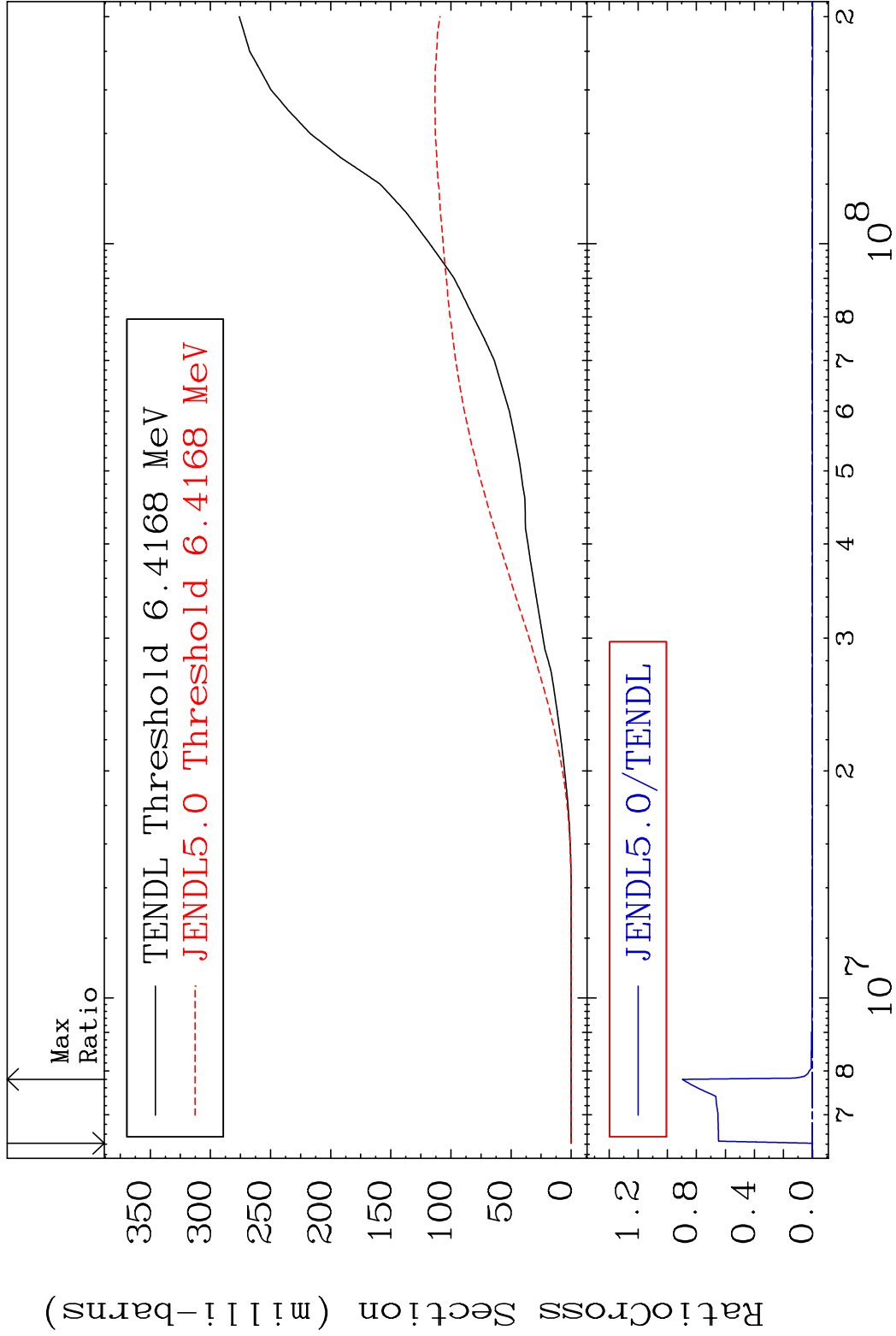




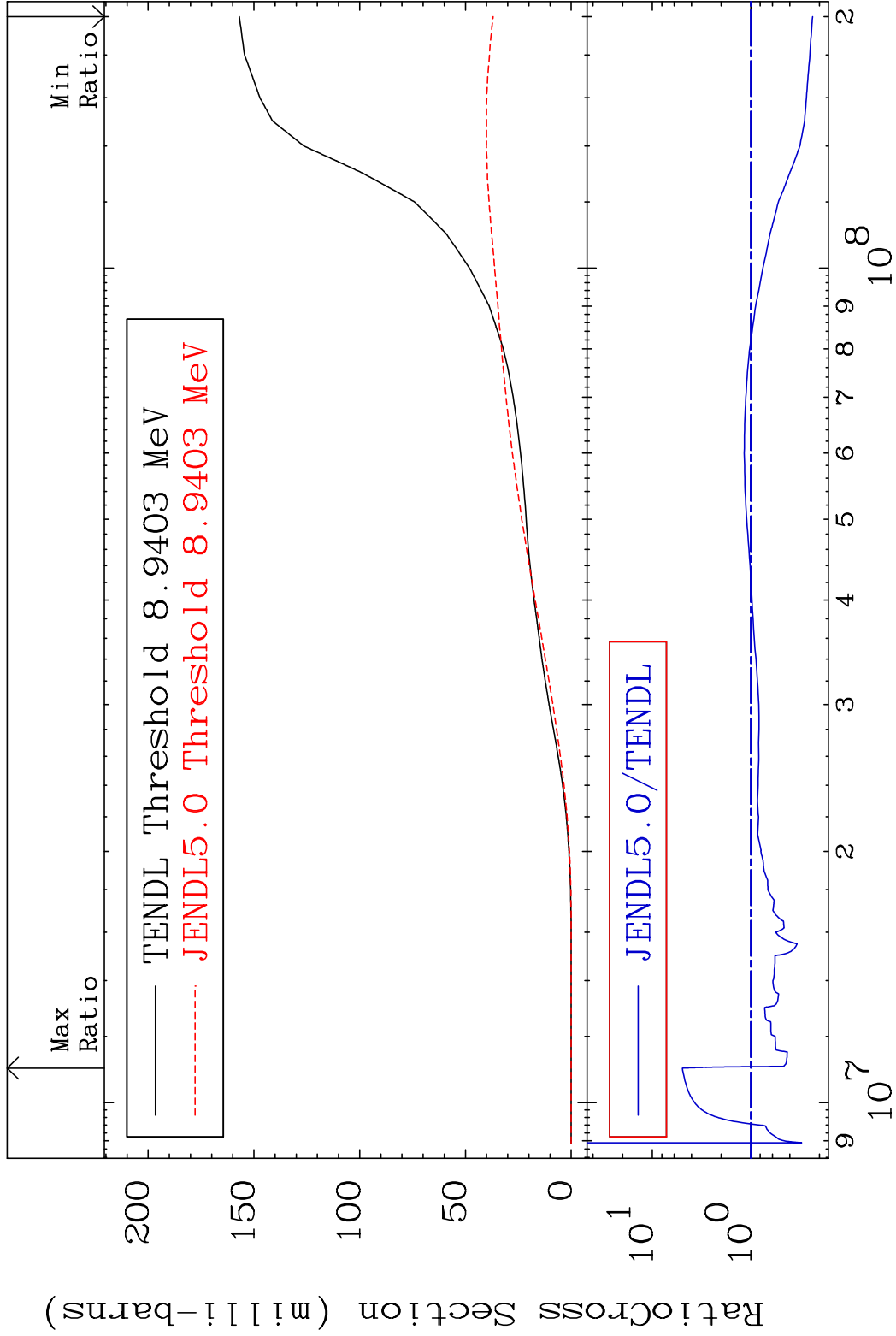




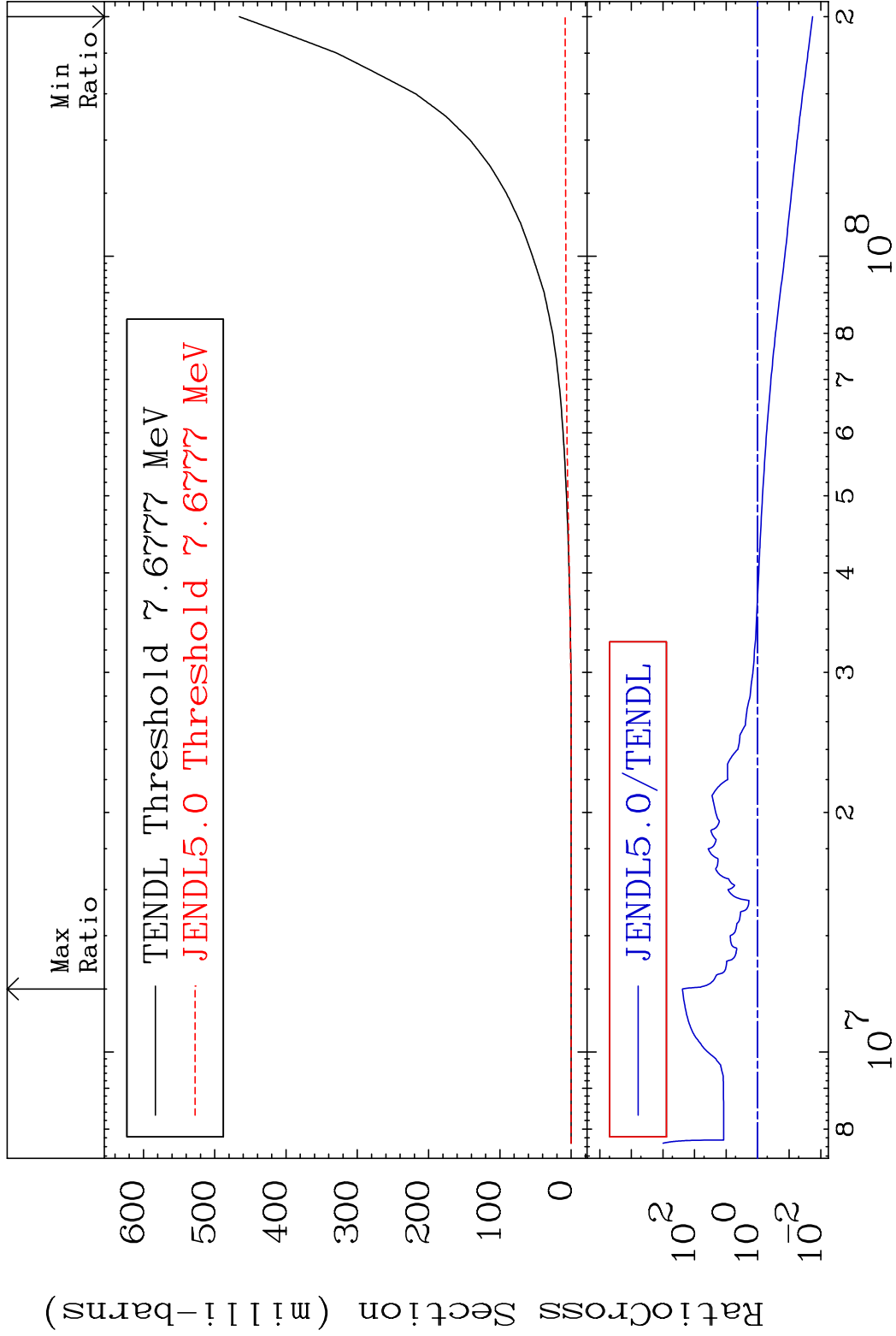


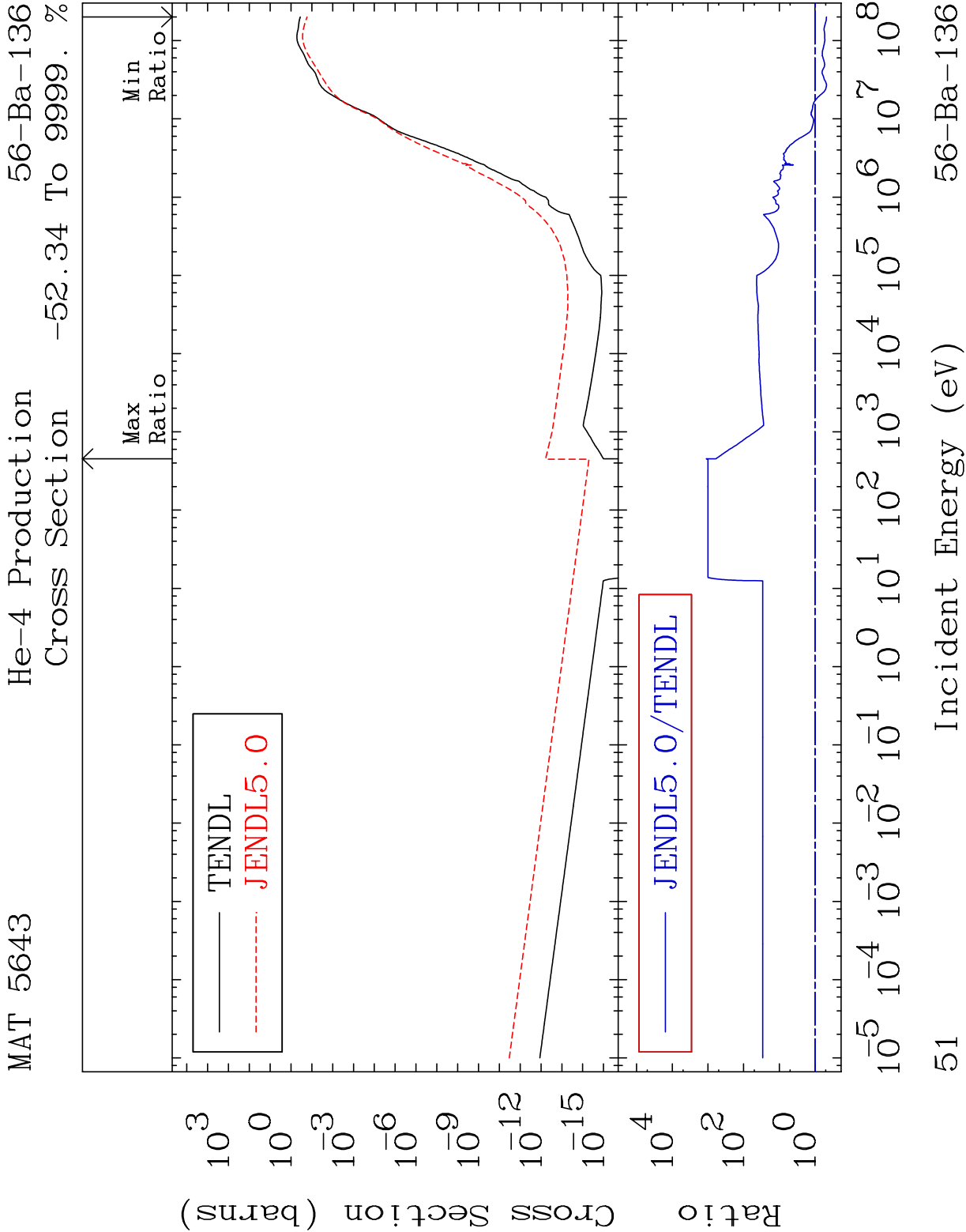


MAT 5643 Tritium Production 56-Ba-136
Cross Section -76.48 To 395.0 %

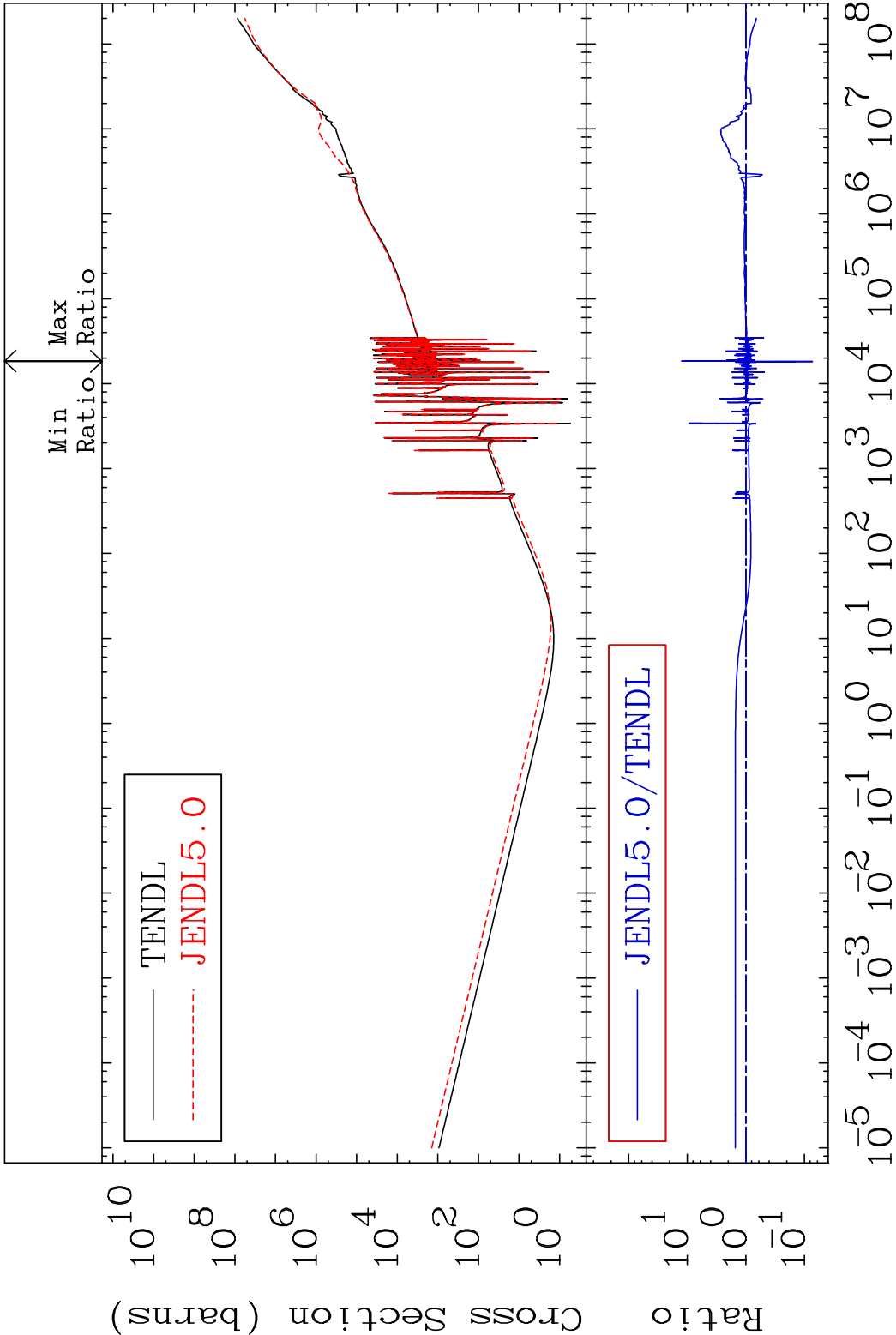


49 Incident Energy (eV) 56-Ba-136

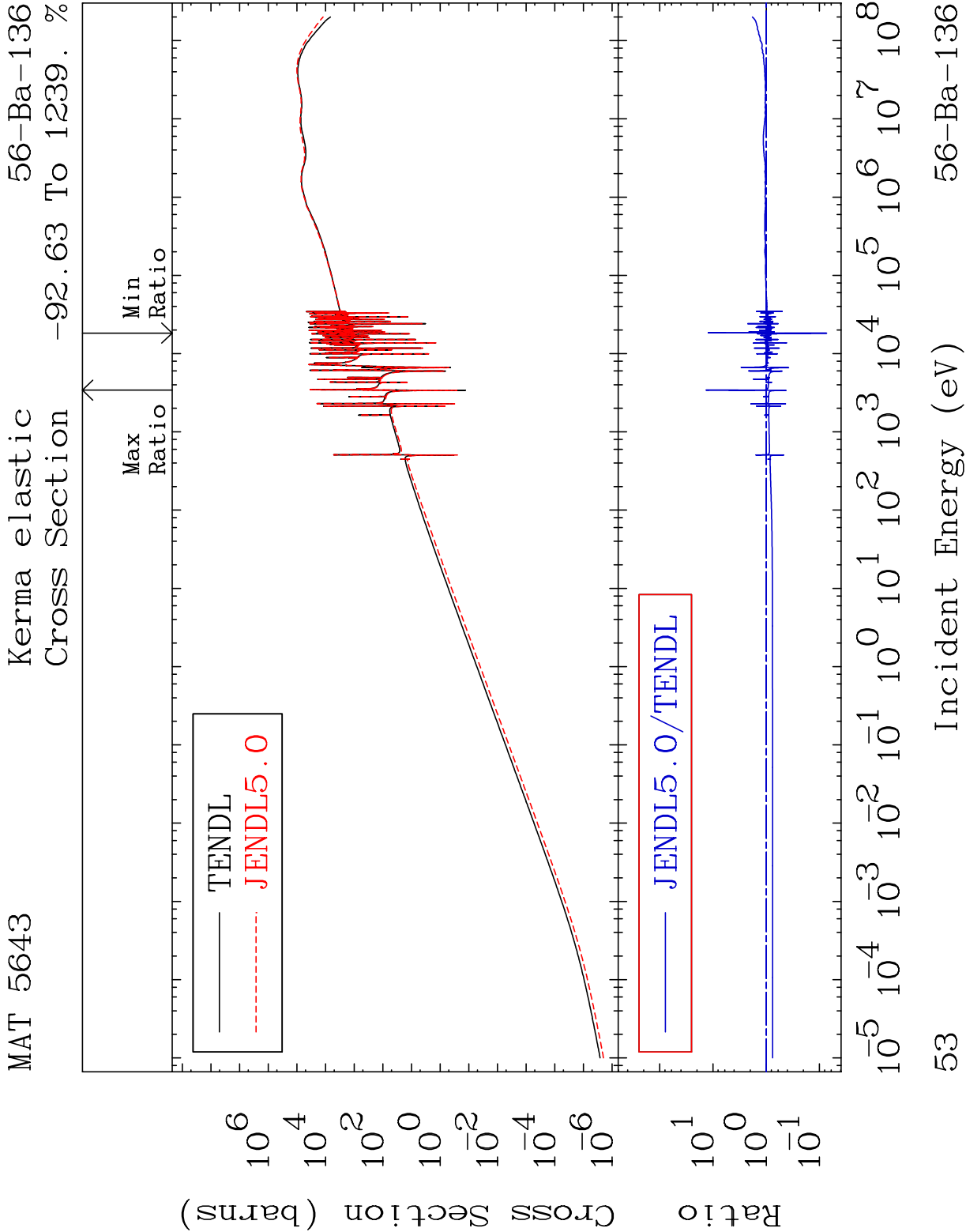




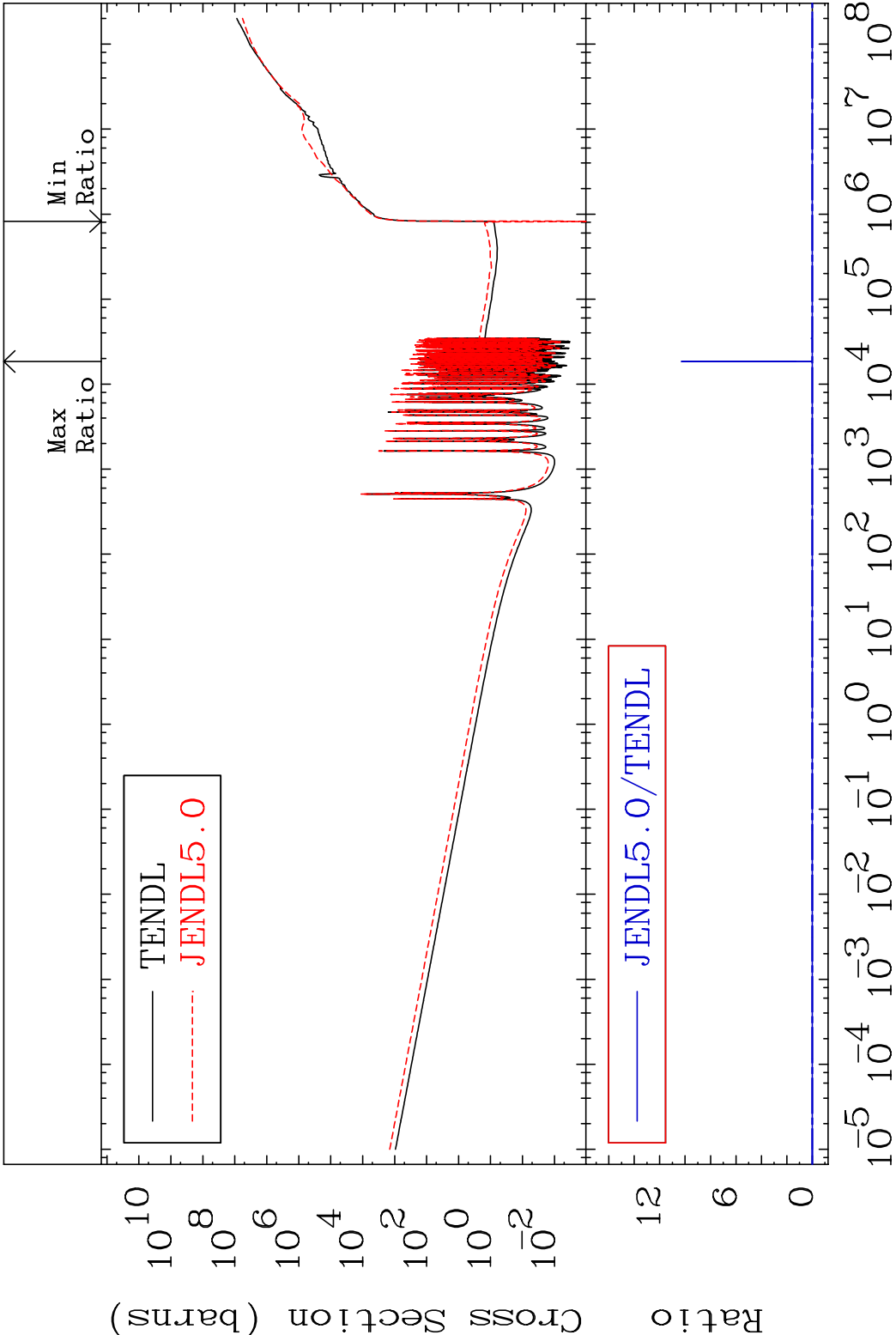
MAT 5643 Kerma total (eV-barns) 56-Ba-136
Cross Section -92.70 To 1140. %



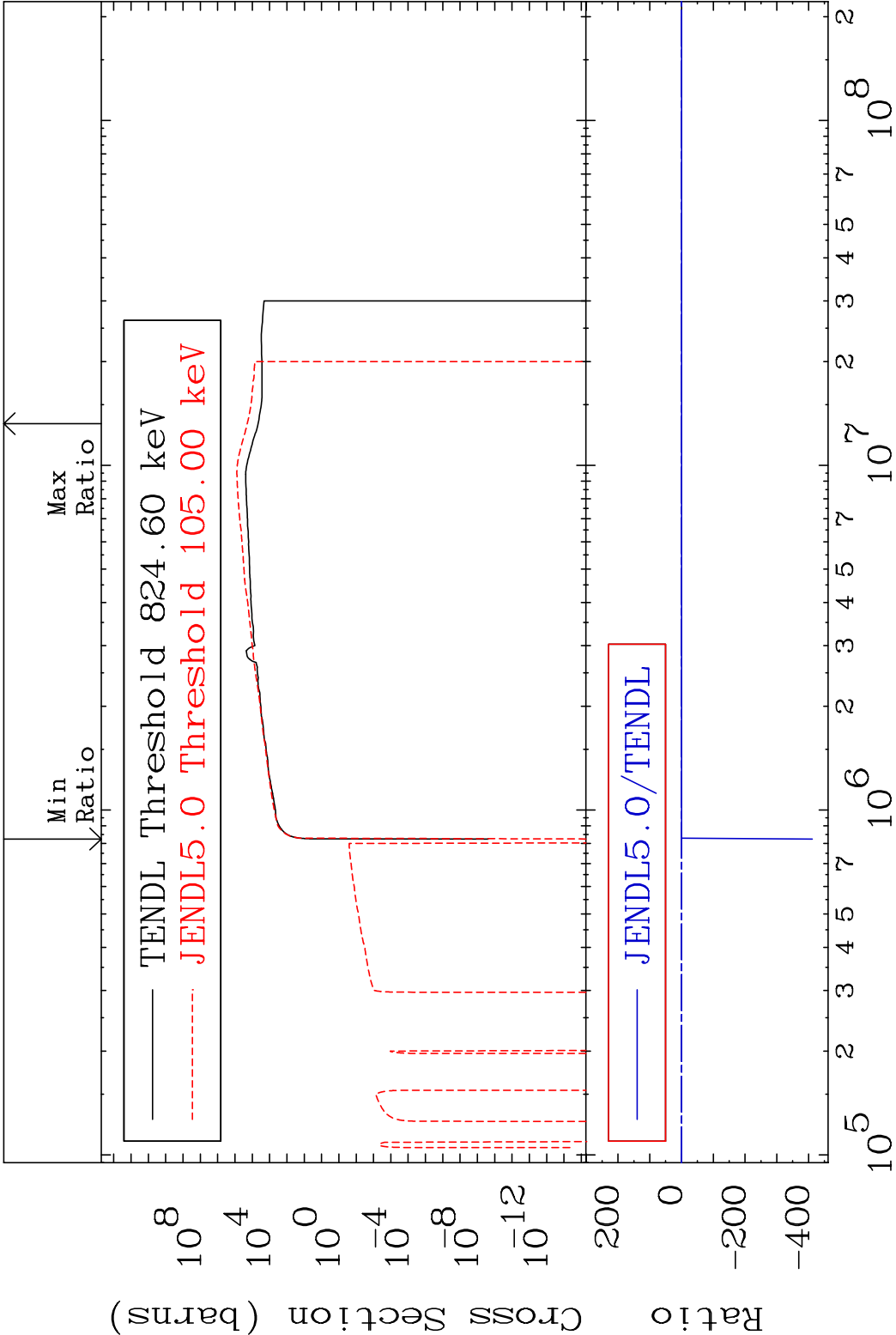
52 Incident Energy (eV) 56-Ba-136



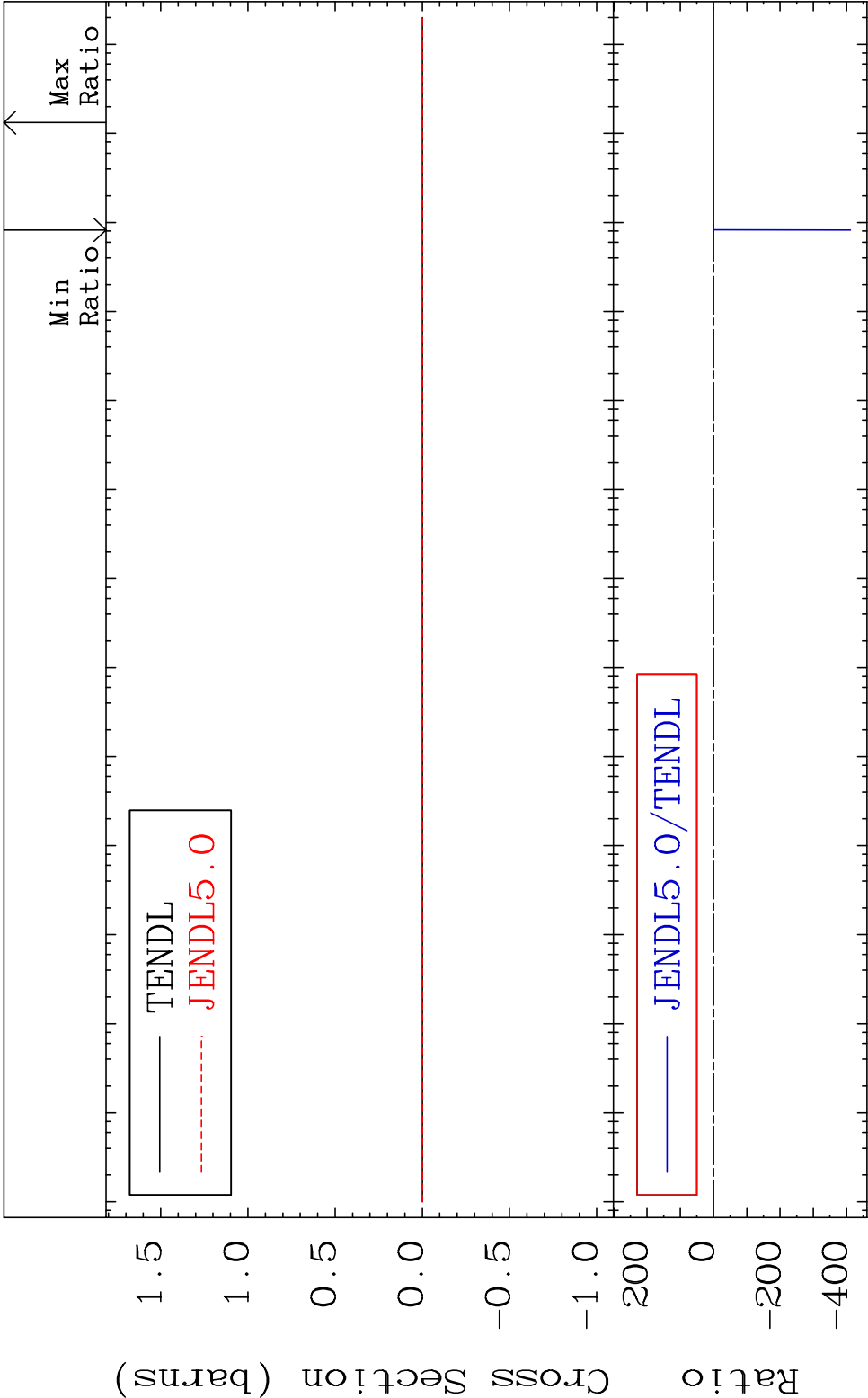
MAT 5643 Kerma non-elastic (all but mt2) 56-Ba-136
 Cross Section -190.7 To 9999. %



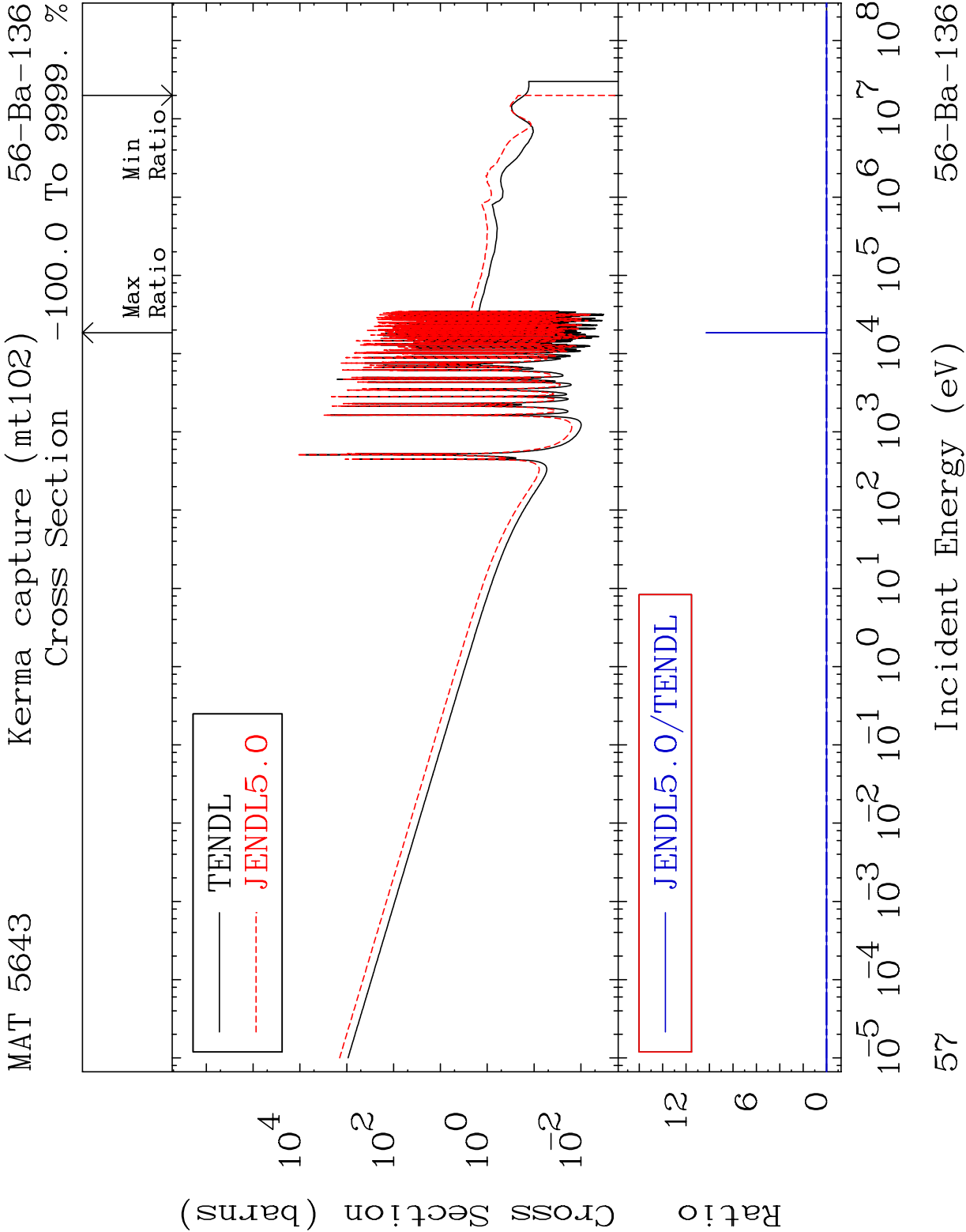
54 Incident Energy (eV) 56-Ba-136

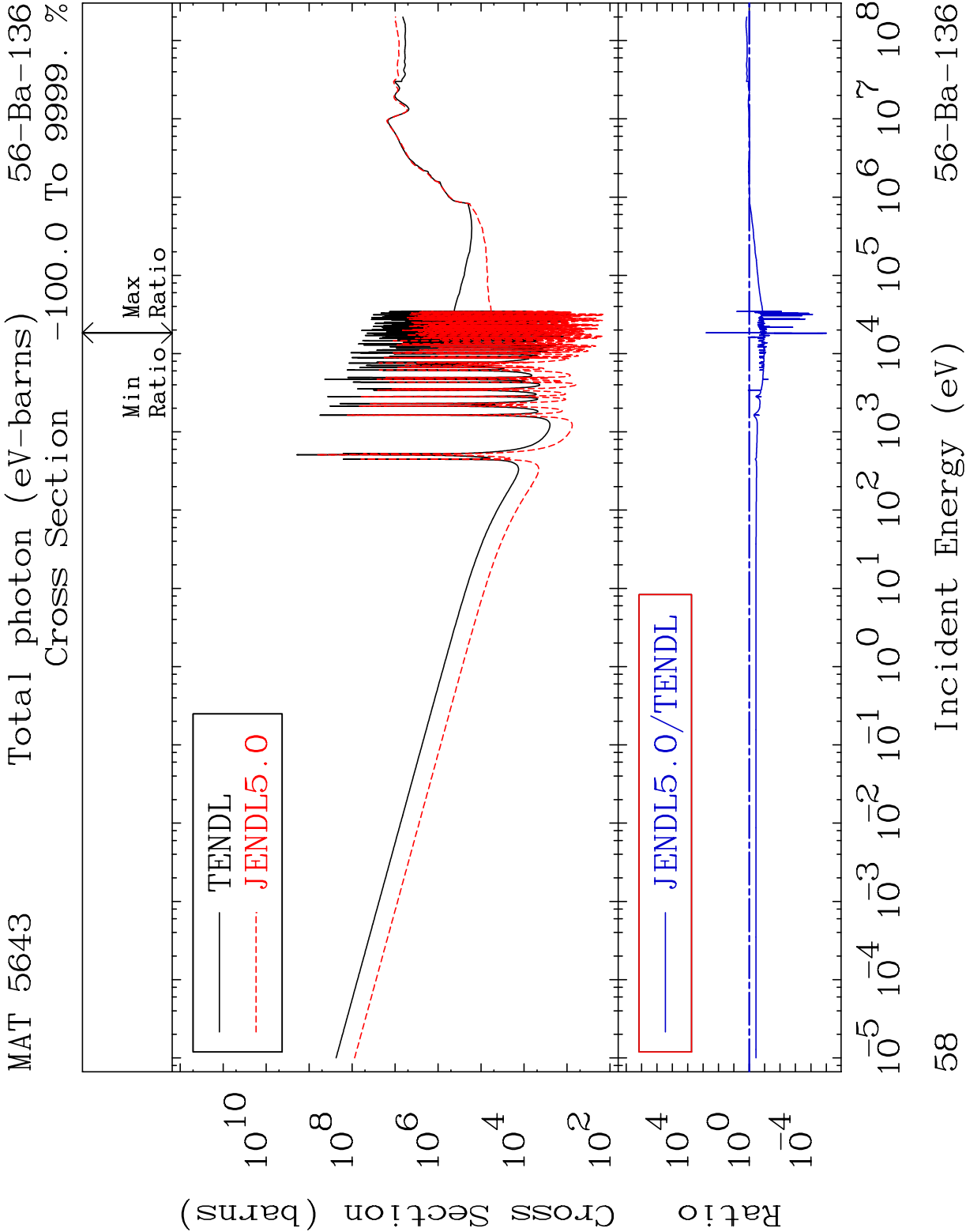


MAT 5643Kerma fission (mt18 or mt19-20-21-38)56-Ba-136
Cross Section -9999. To 329.1 %

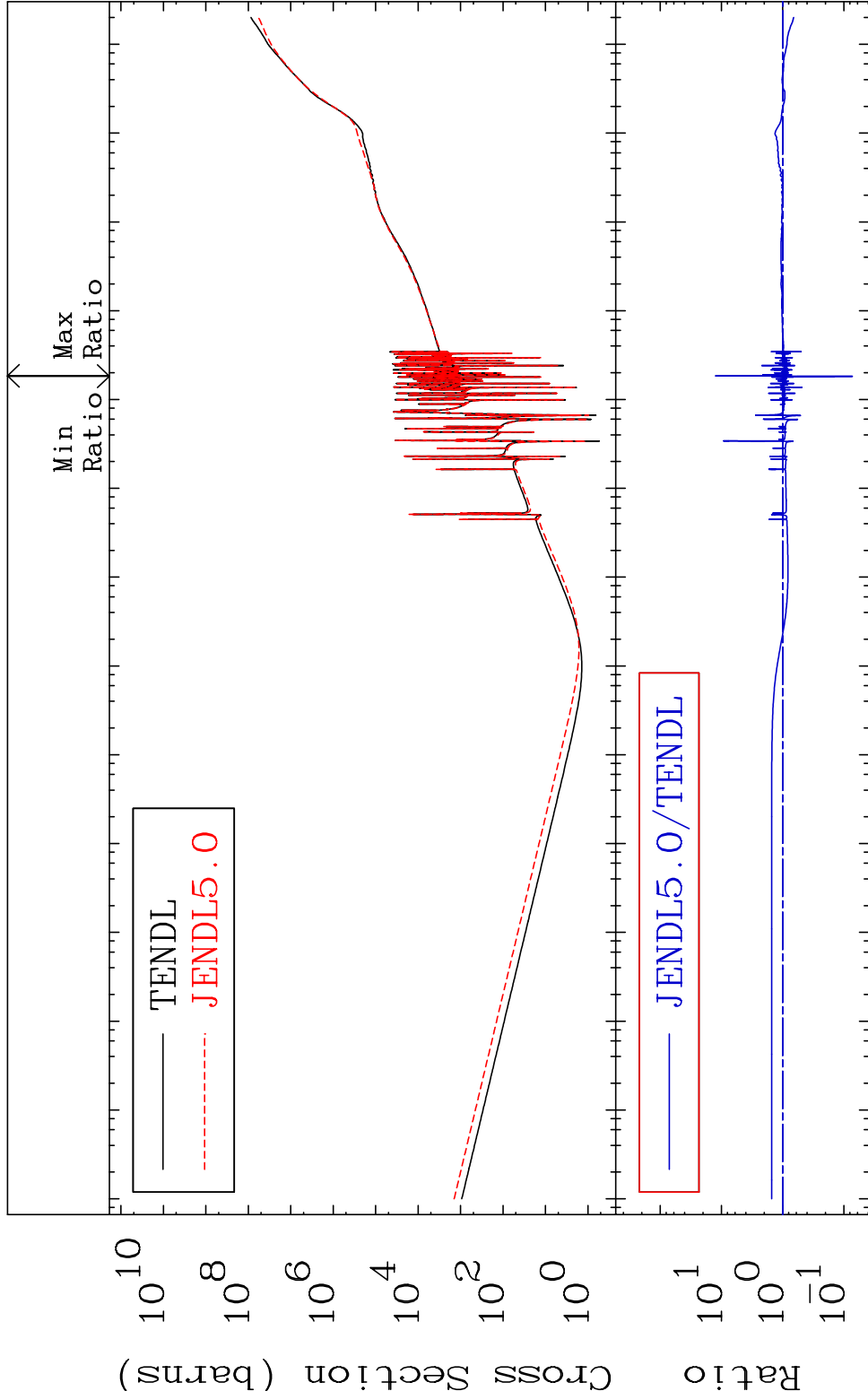


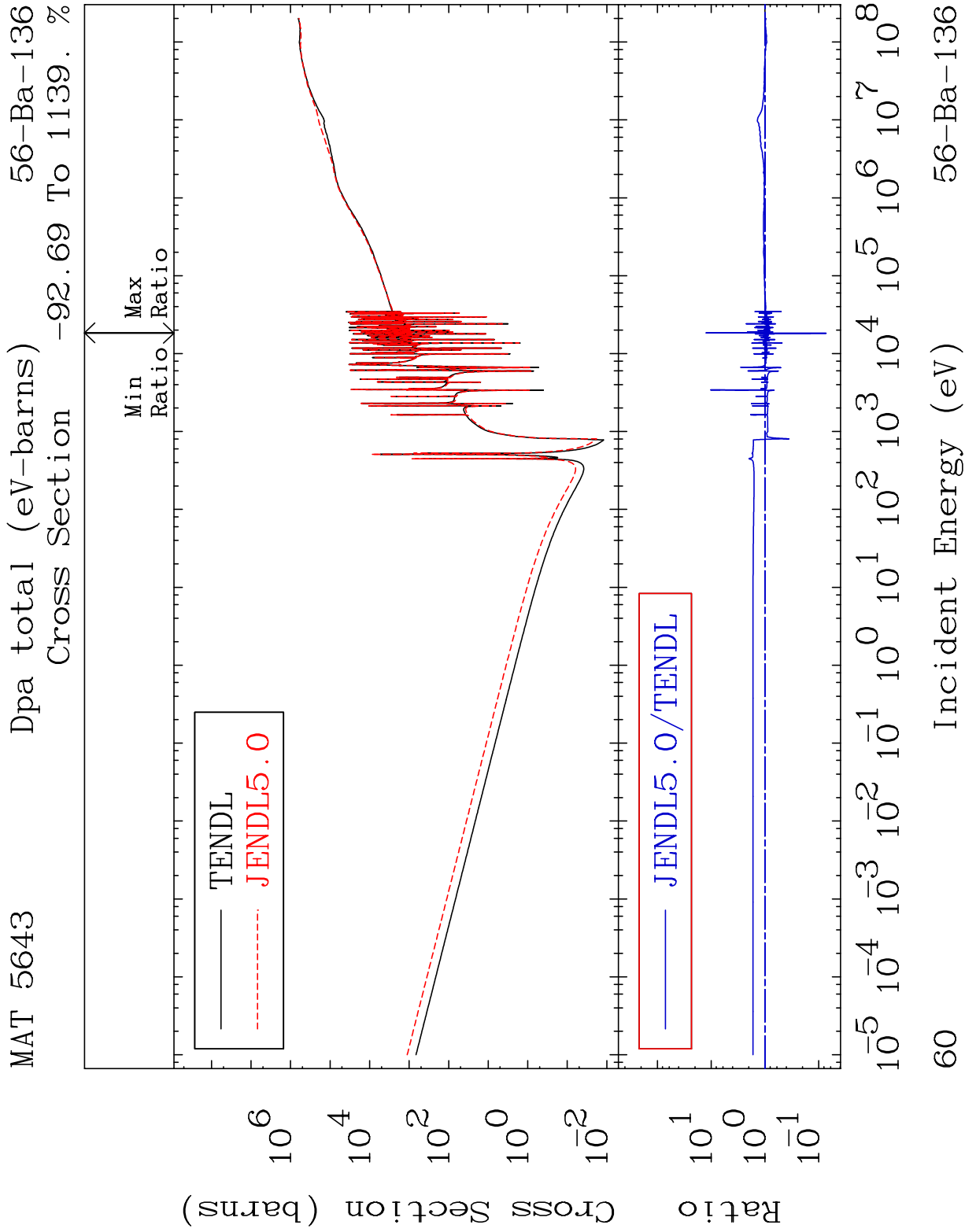
56 56-Ba-136



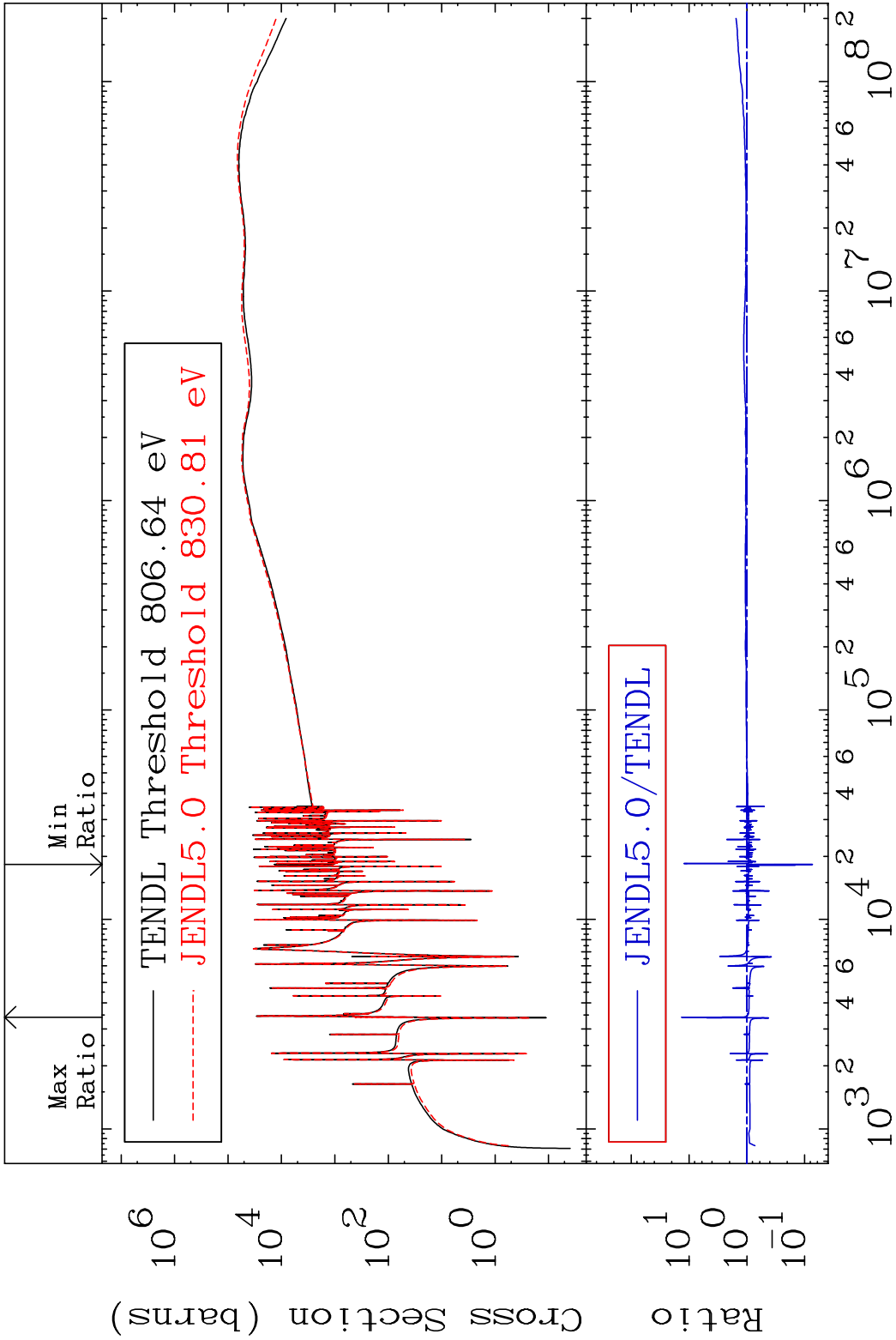


MAT 5643 Total kinematic kerma (high limit) 56-Ba-136
Cross Section -92.70 To 1140. %





MAT 5643	Dpa elastic (mt2)	56-Ba-136
	Cross Section	-92.63 To 1239. %



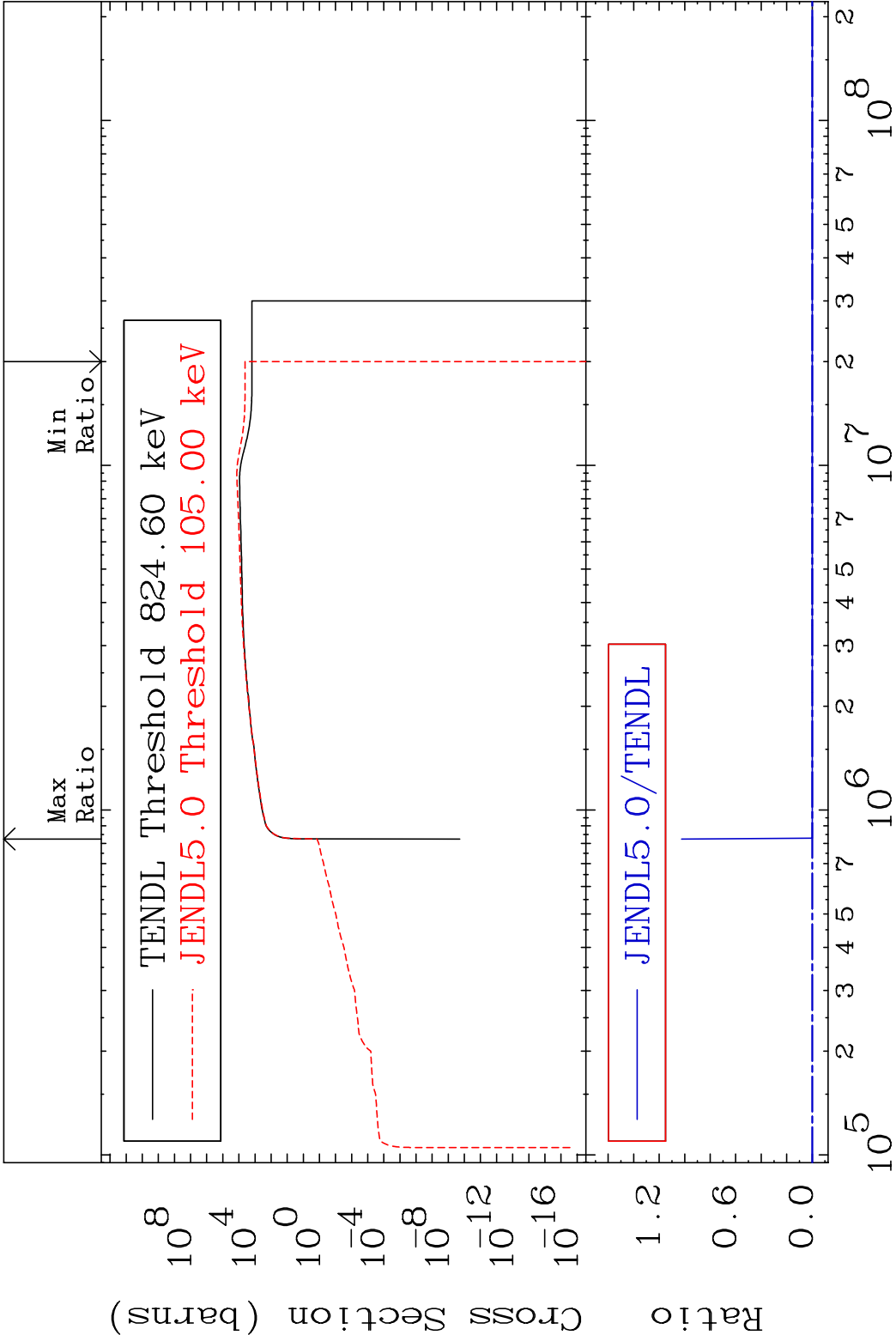
MAT 5643

Dpa inelastic (mt51-91)

56-Ba-136

Cross Section

-100.0 To 9999. %

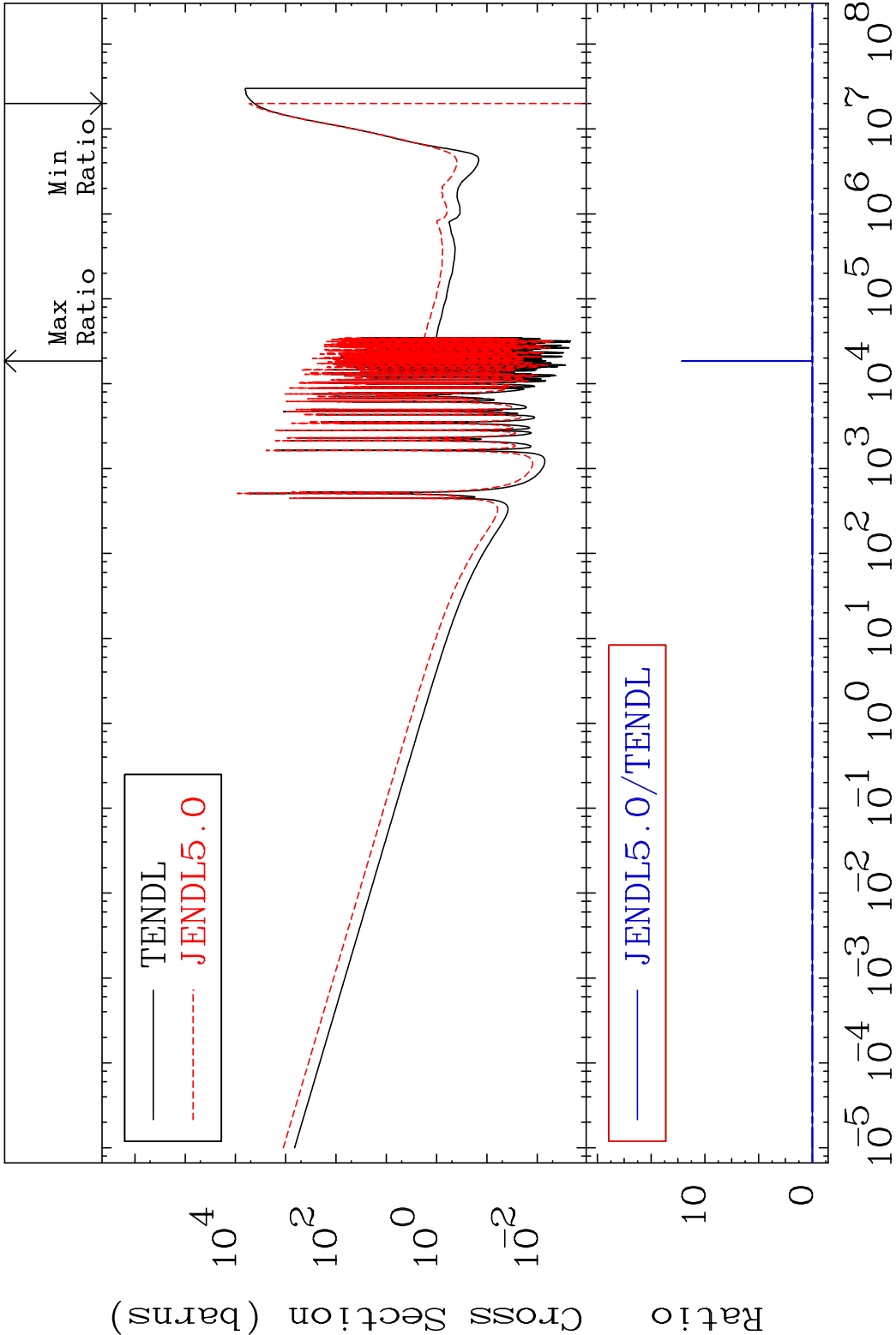


62

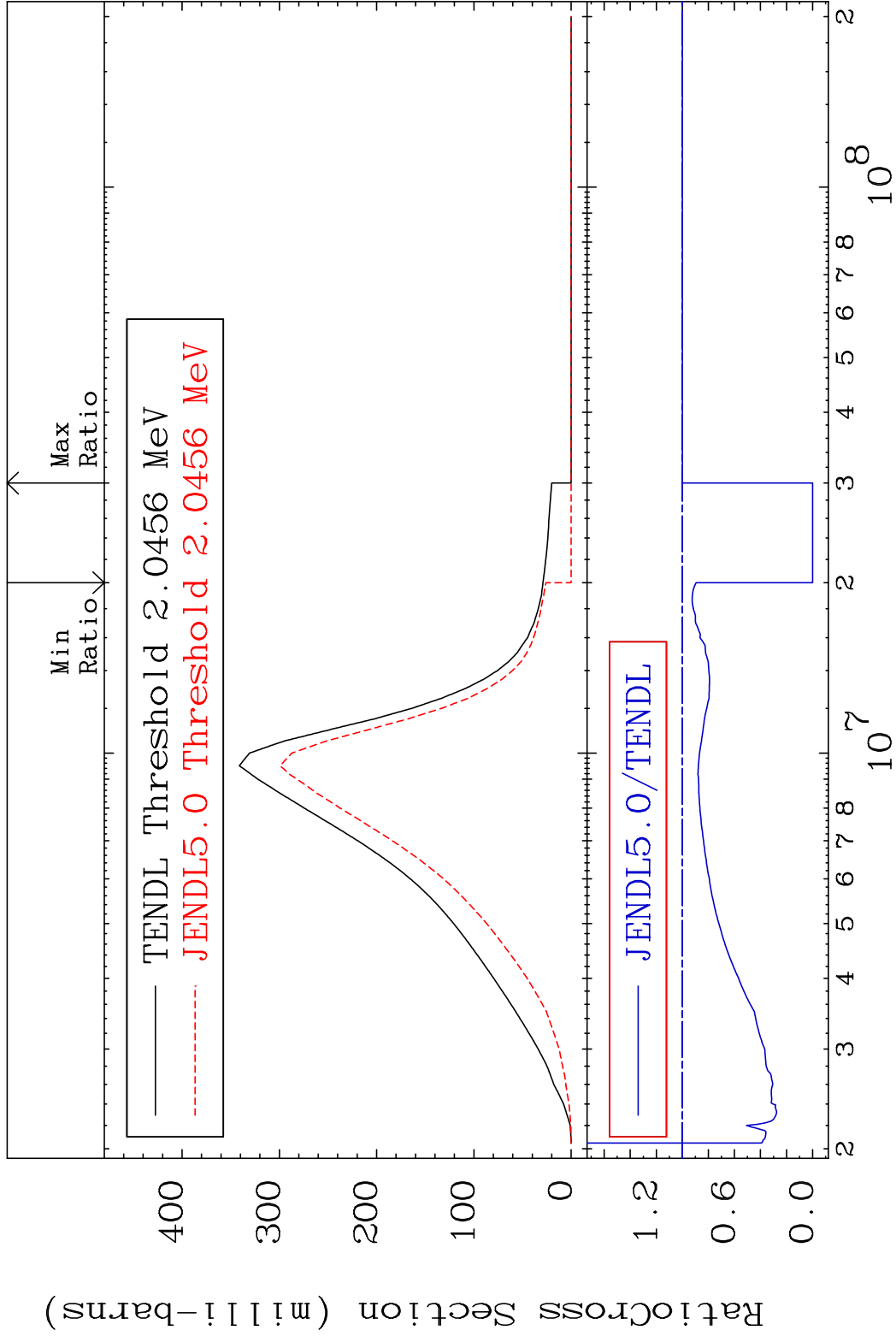
Incident Energy (eV)

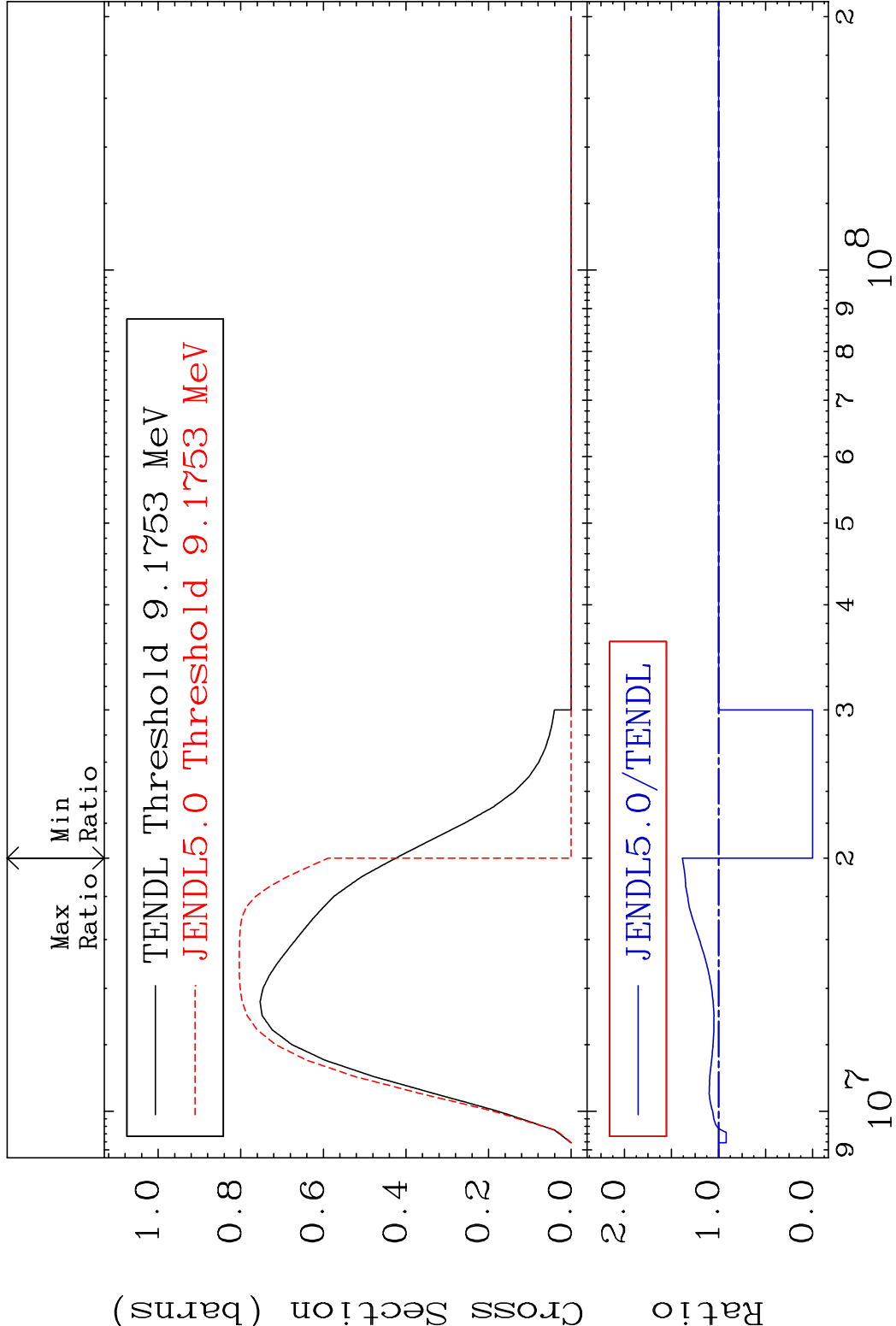
56-Ba-136

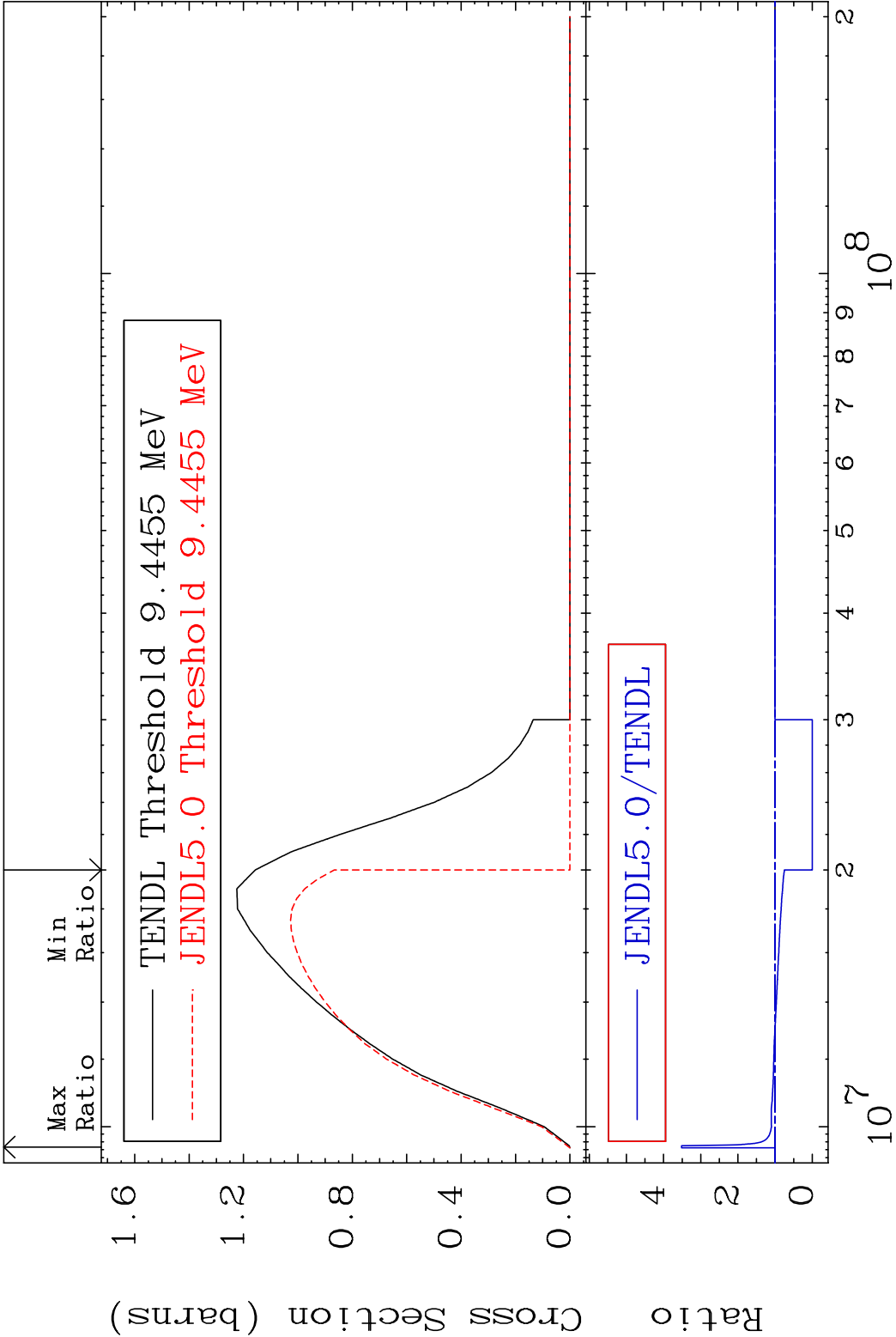
MAT 5643 Dpa disappearance (mt102 -120) 56-Ba-136
Cross Section -100.0 To 9999. %

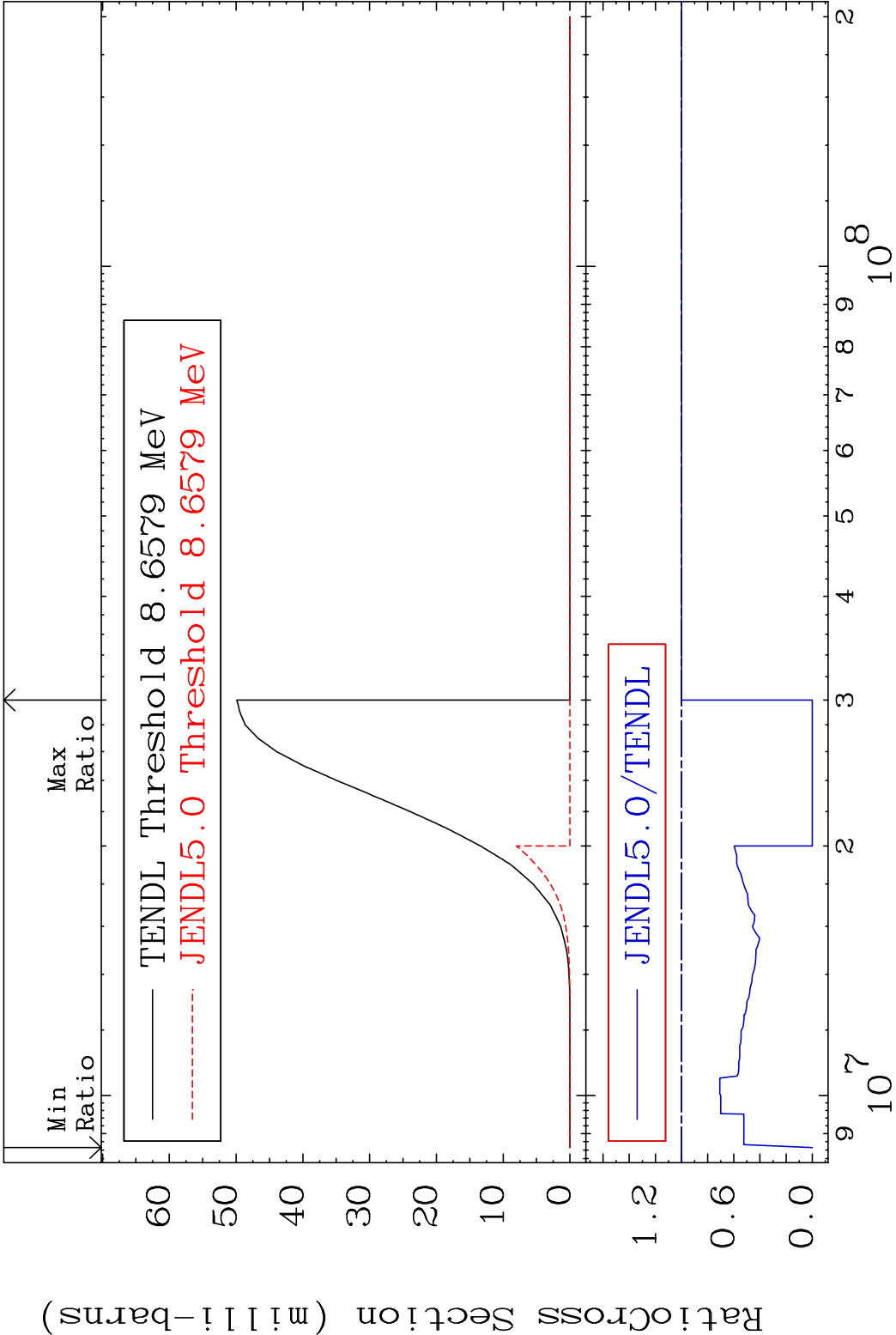


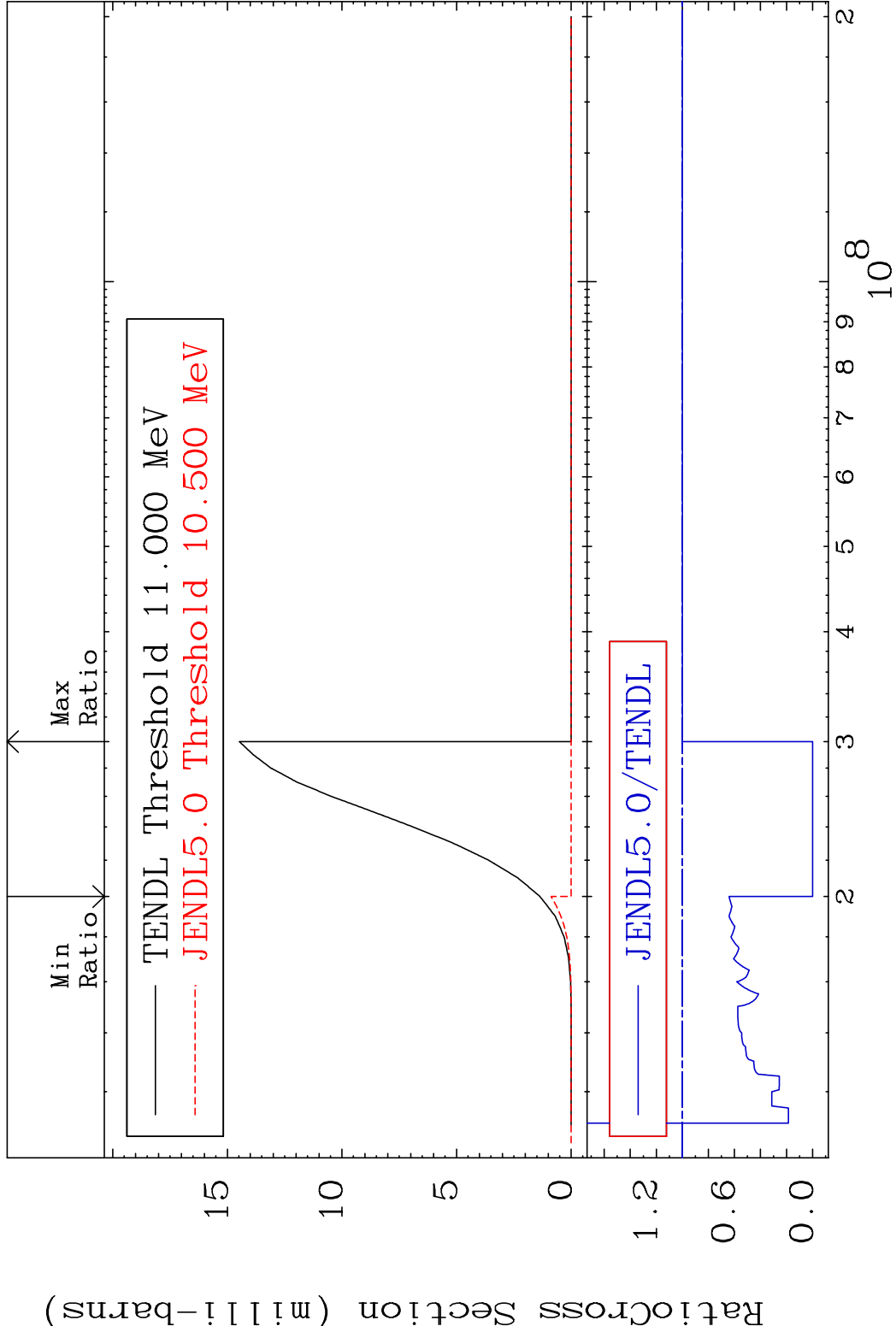
63 Incident Energy (eV) 56-Ba-136

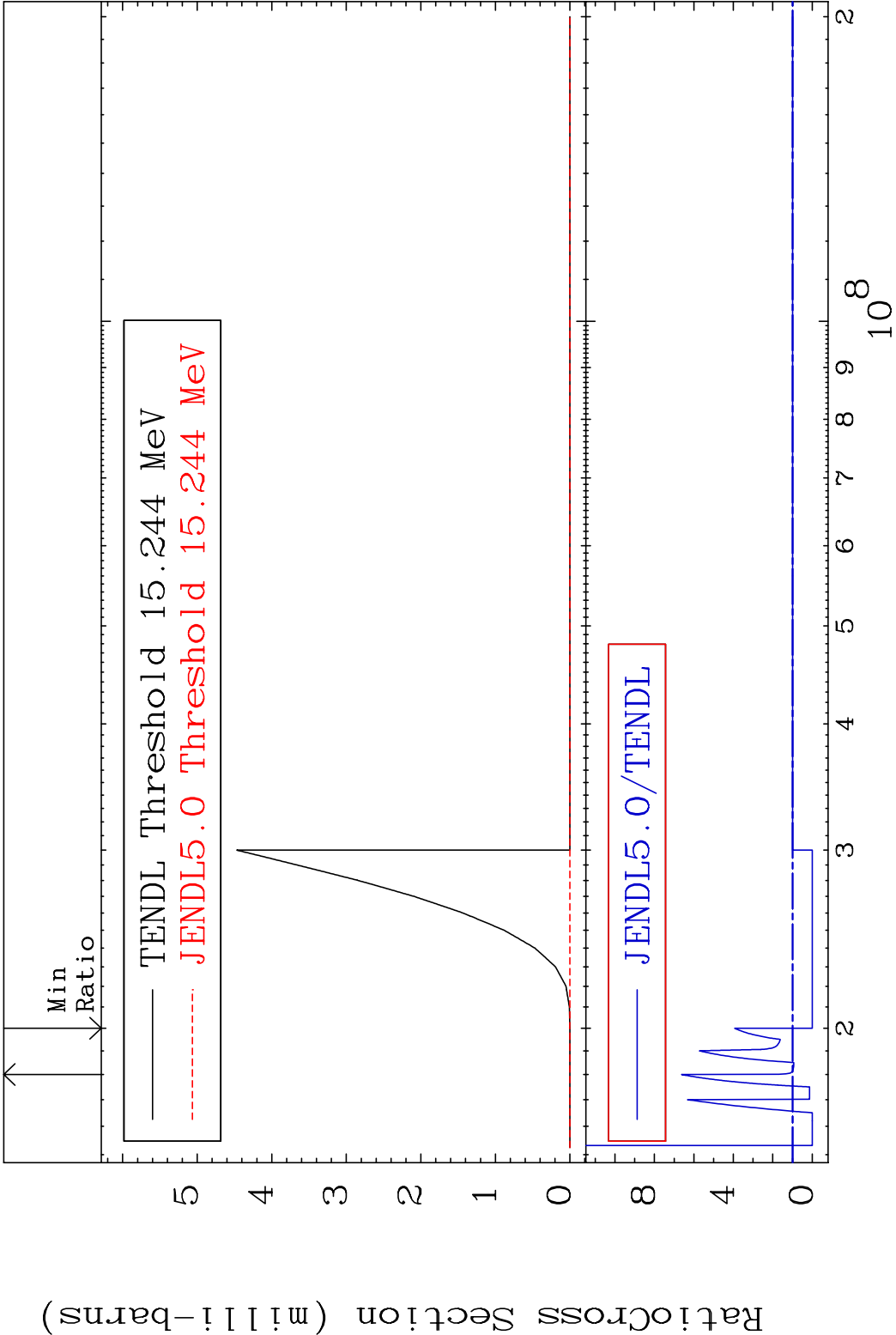


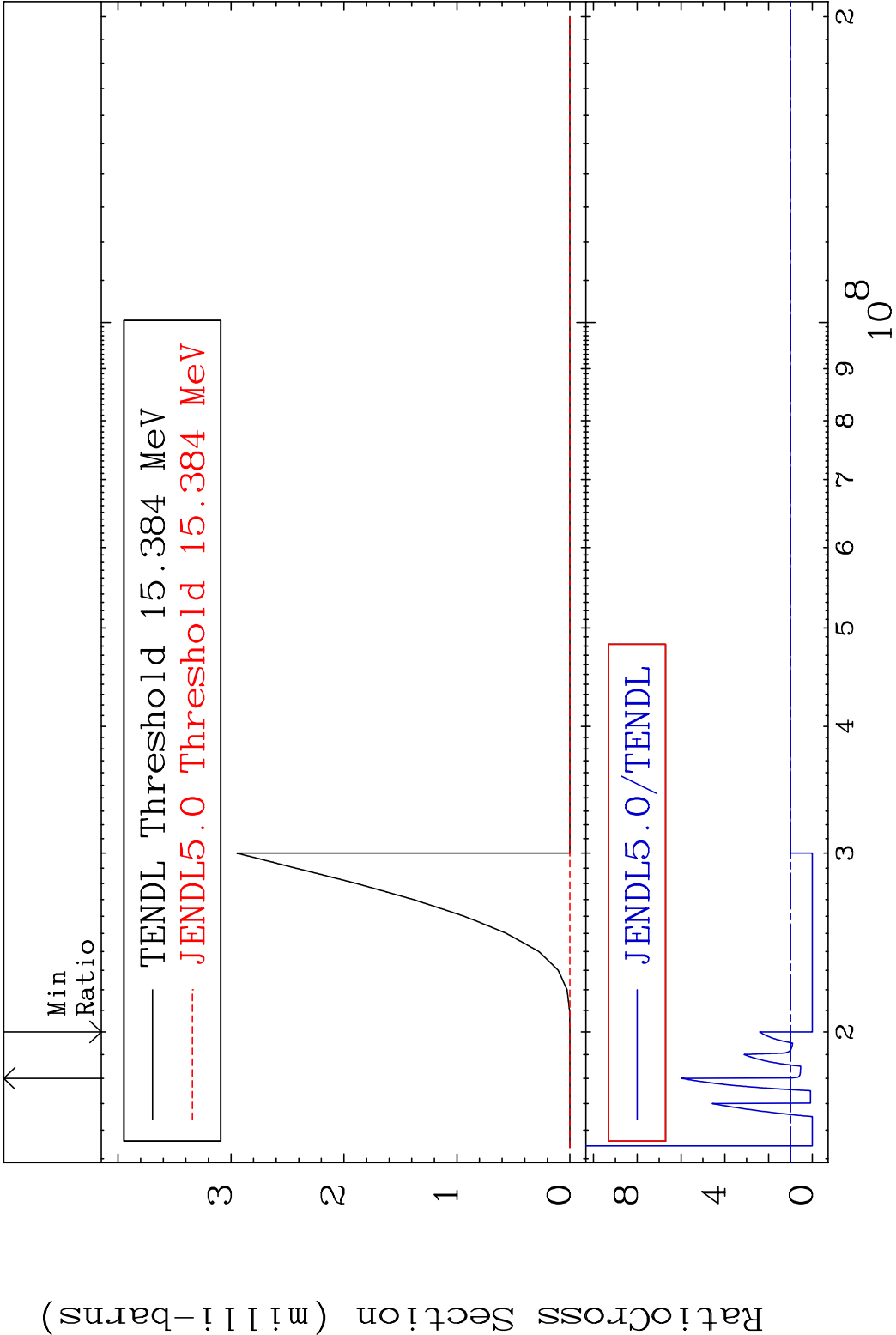


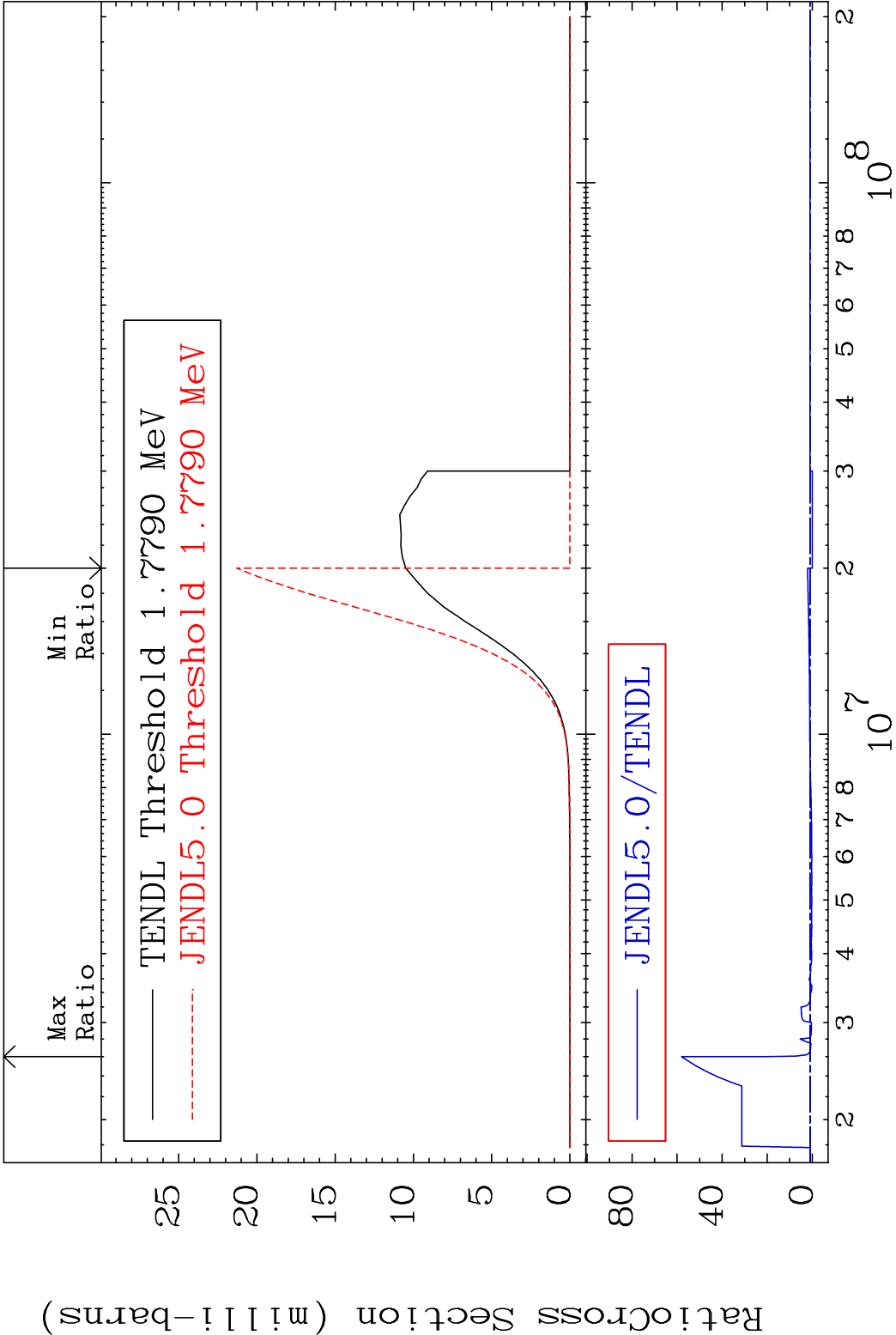


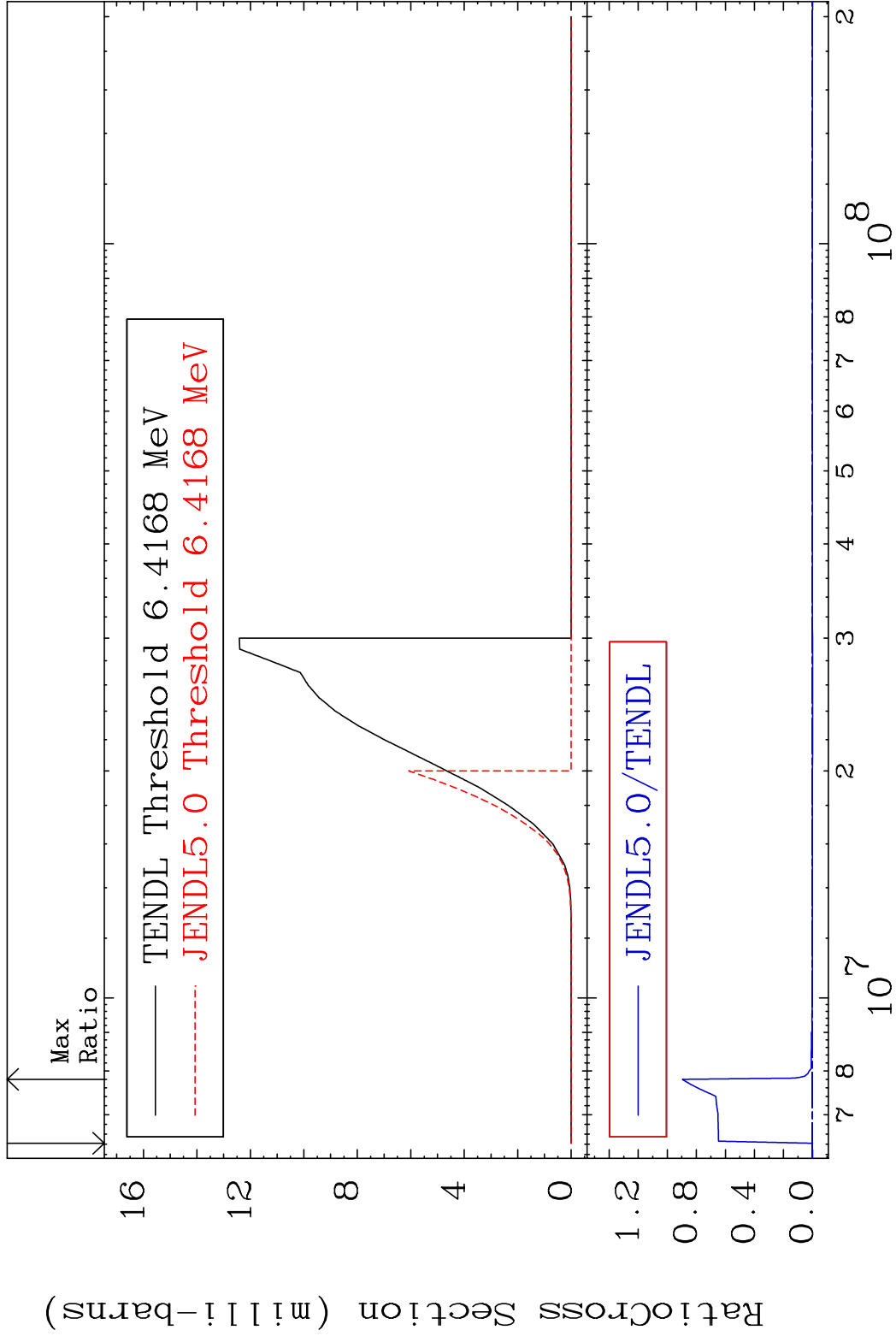


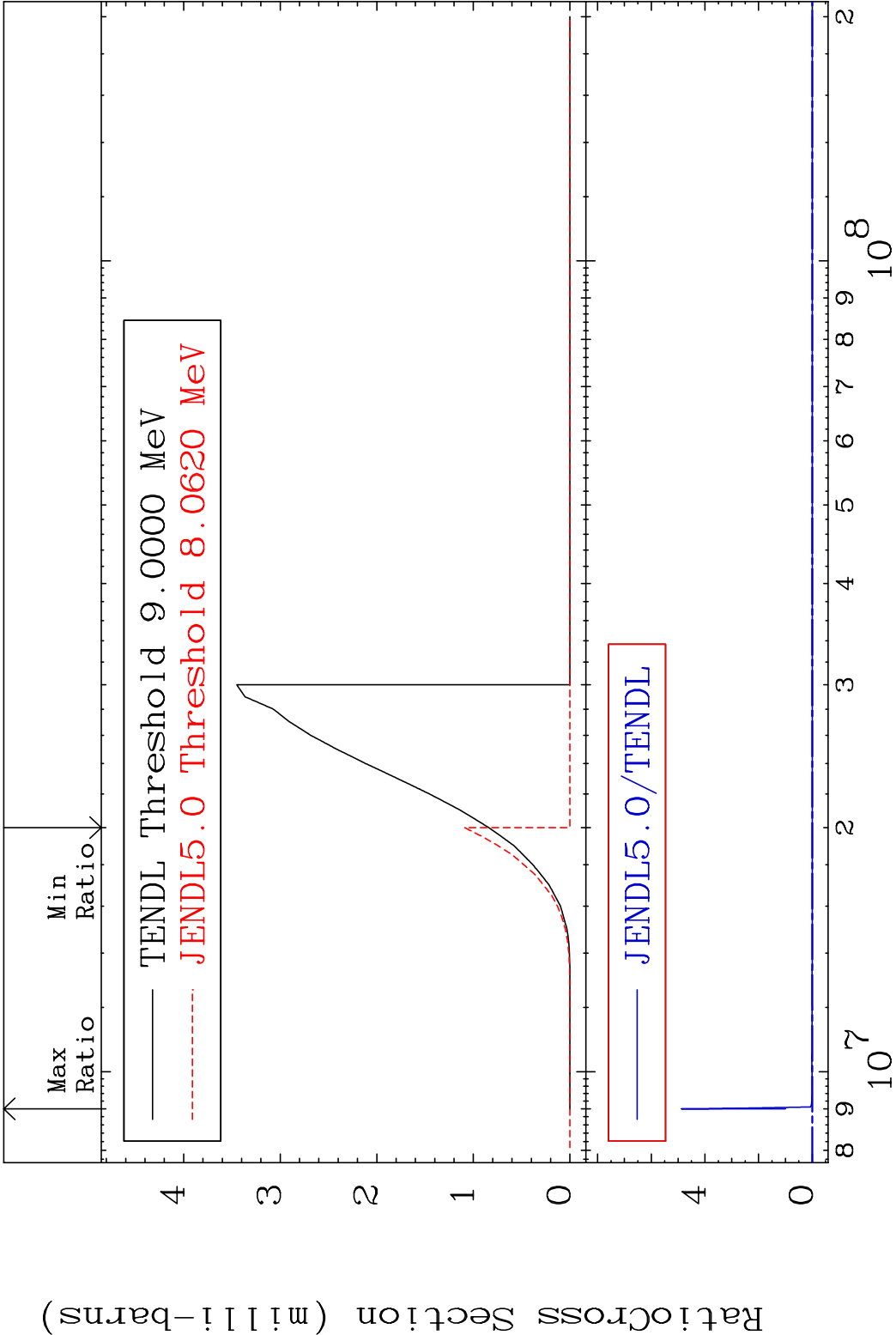


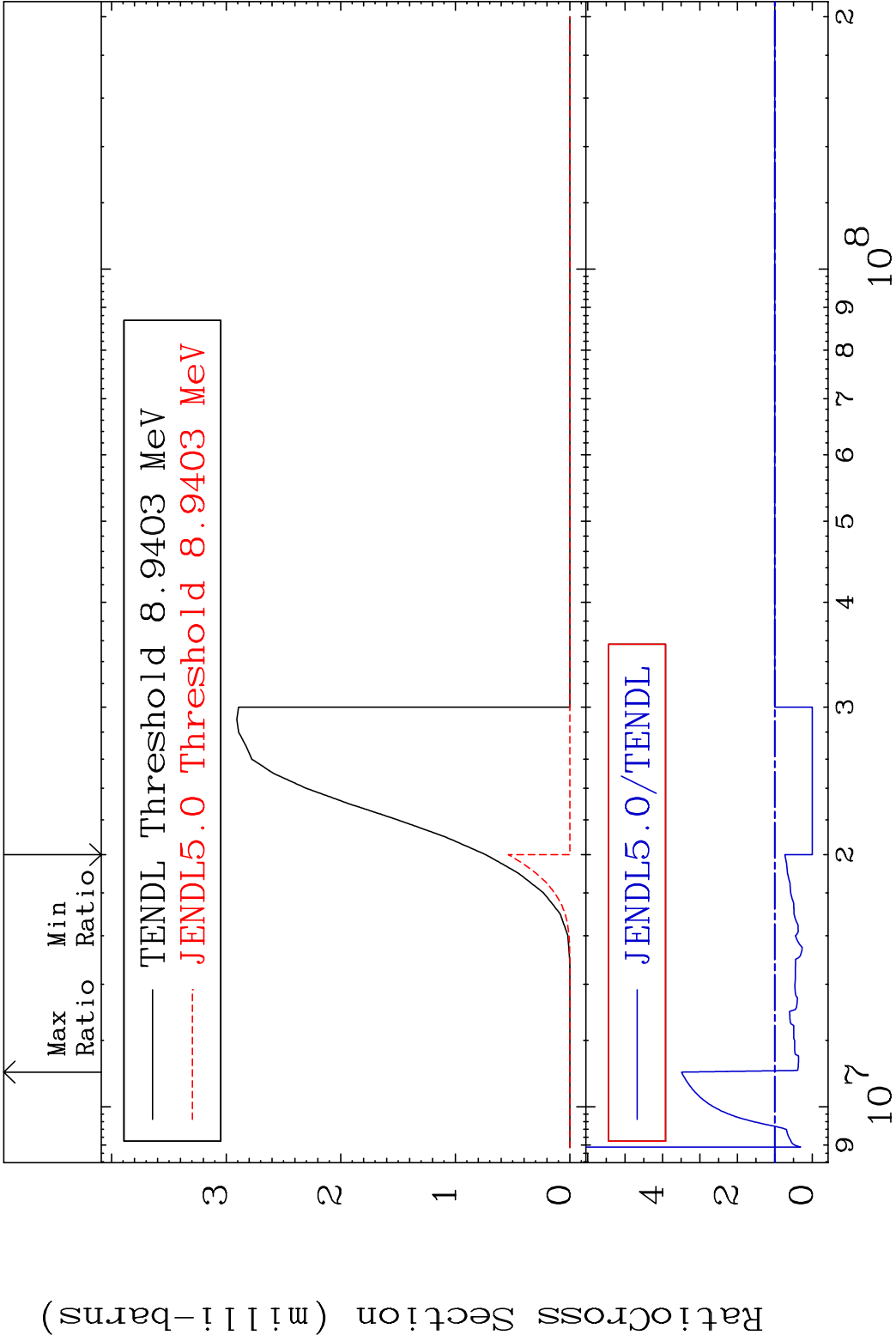


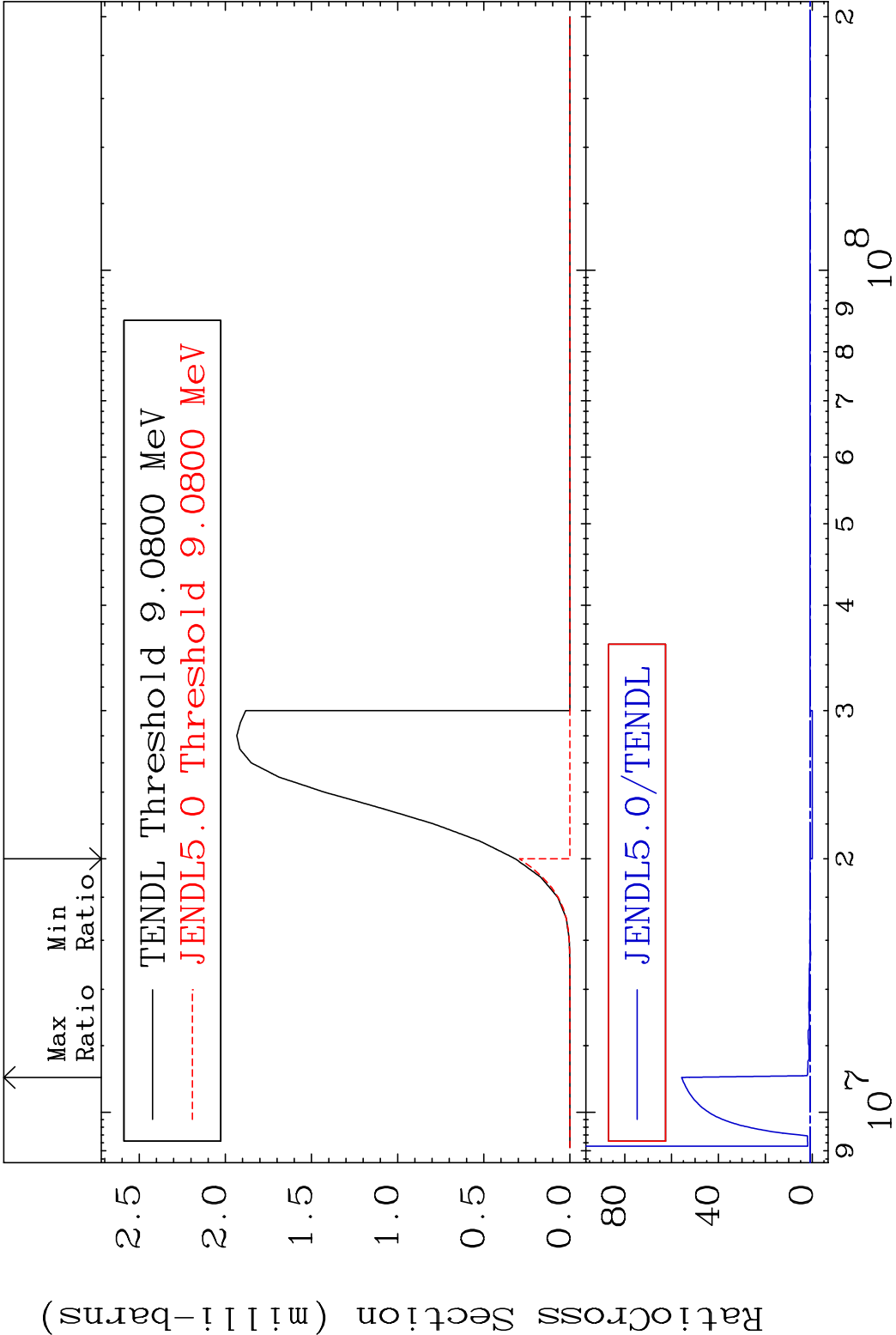


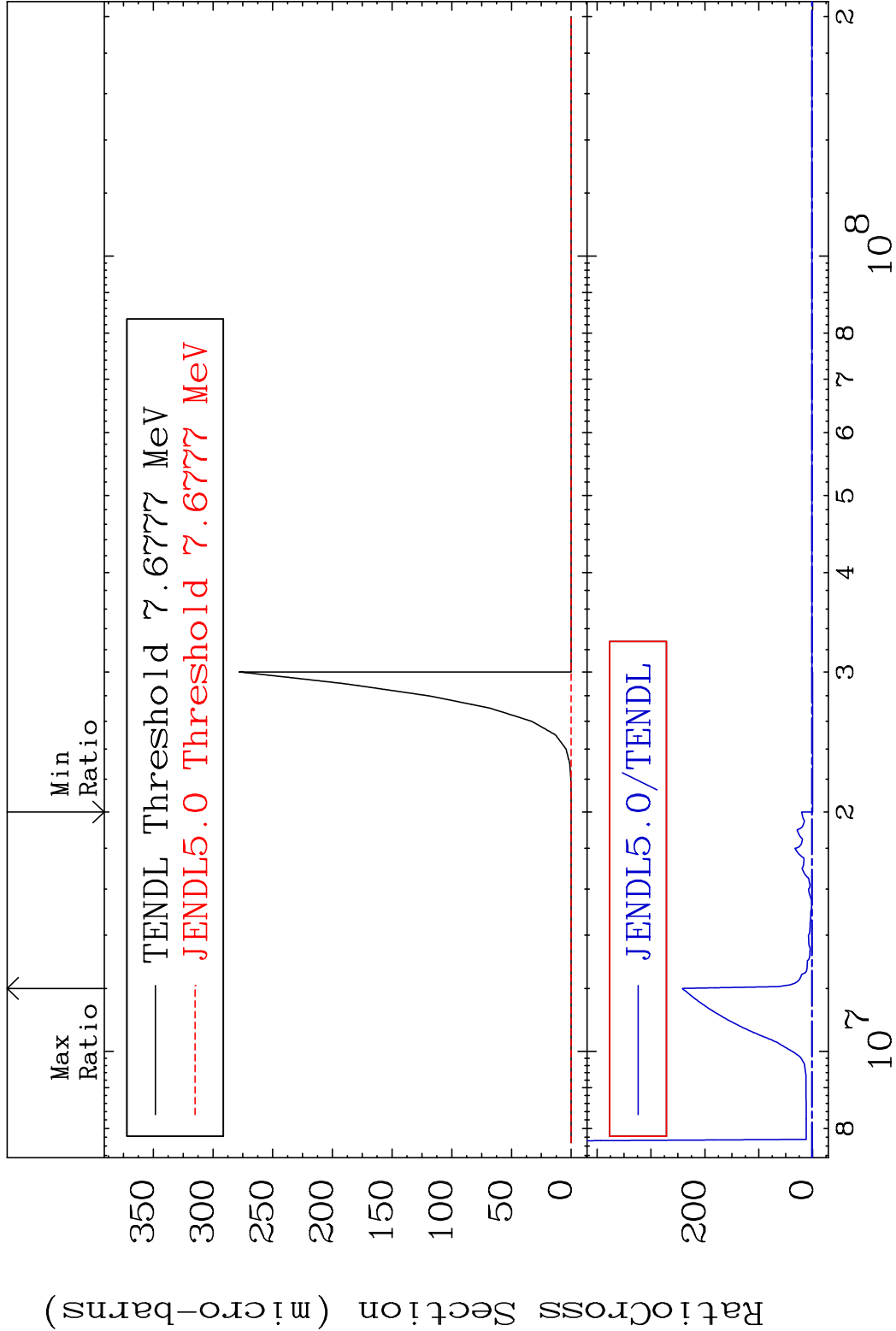


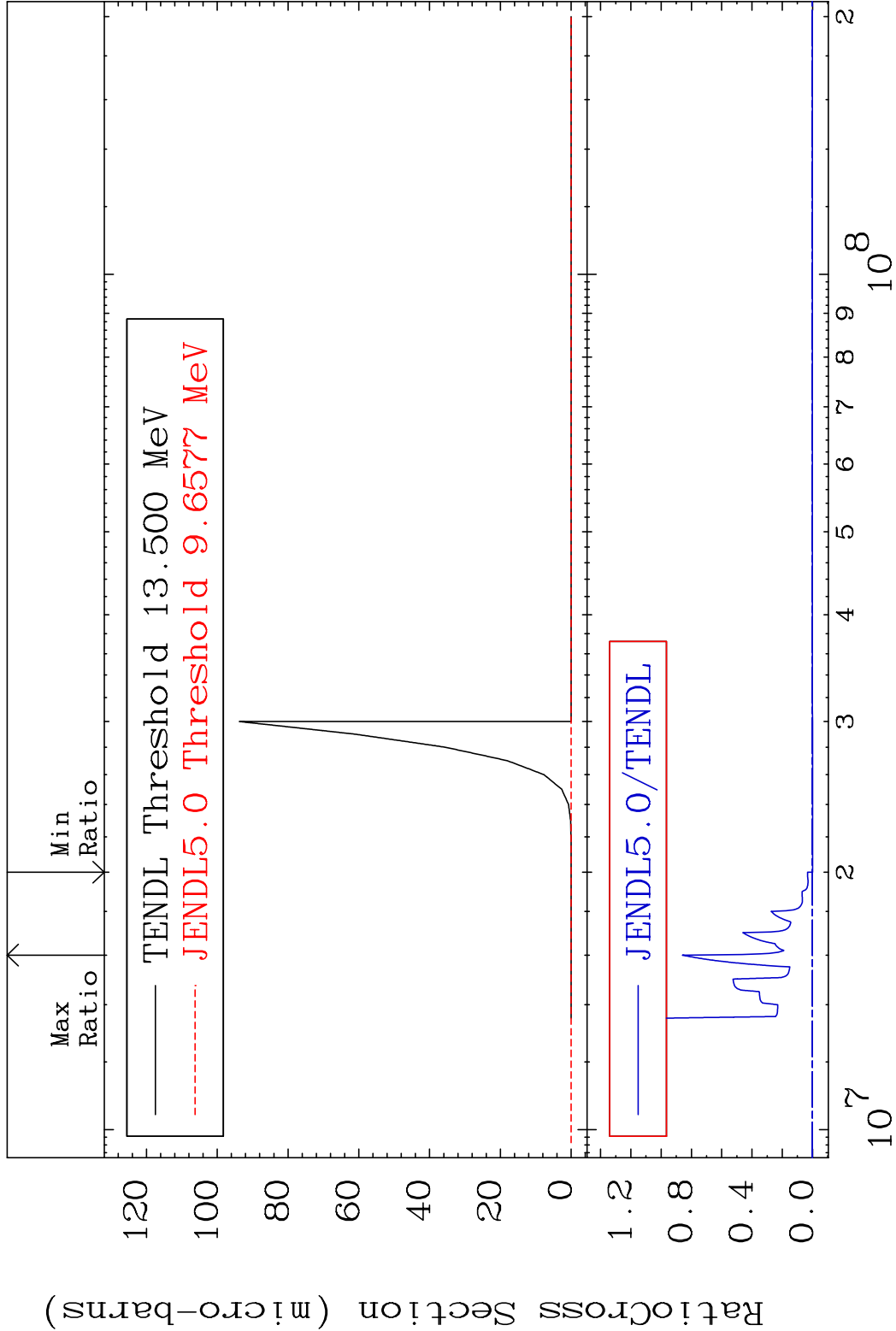




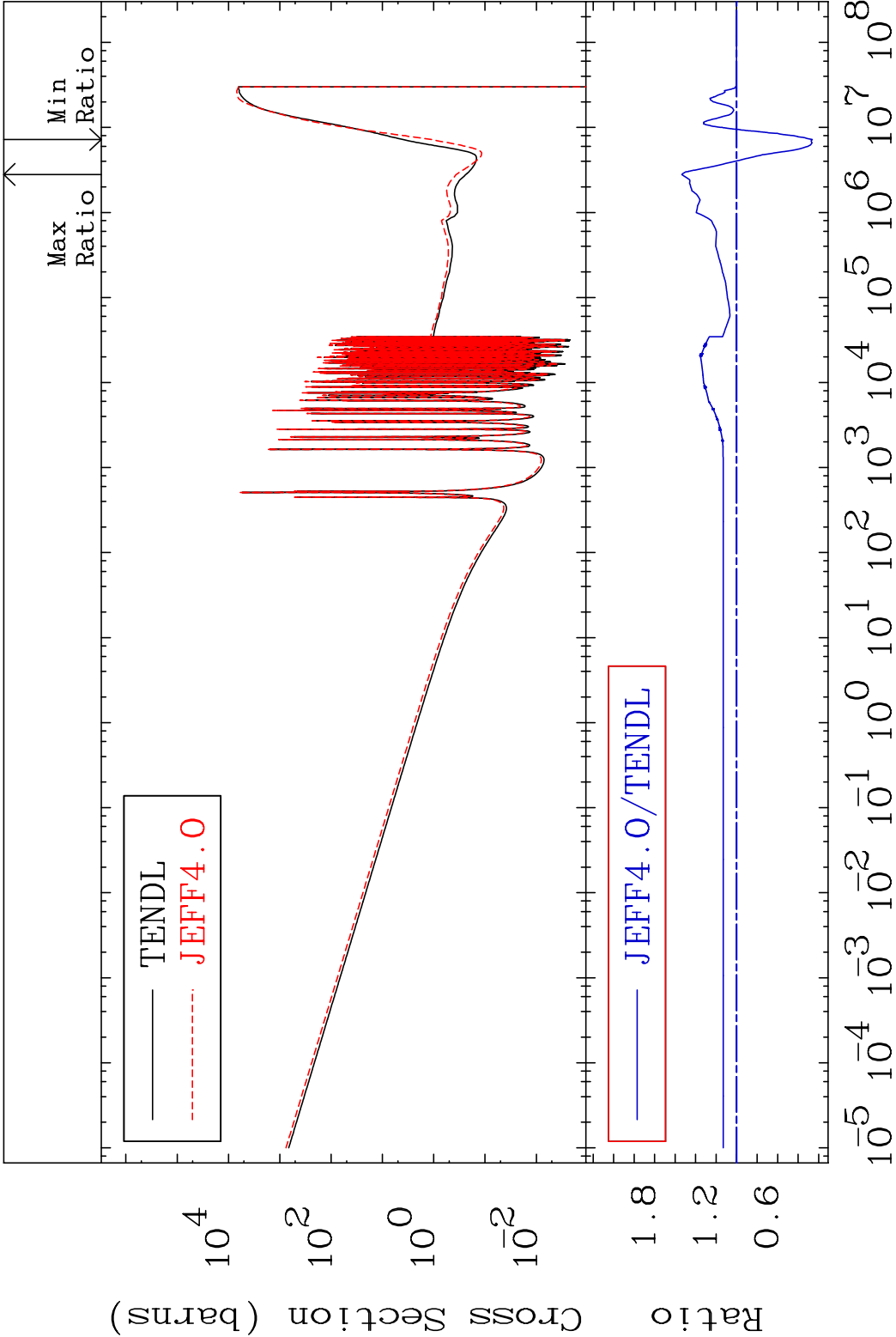




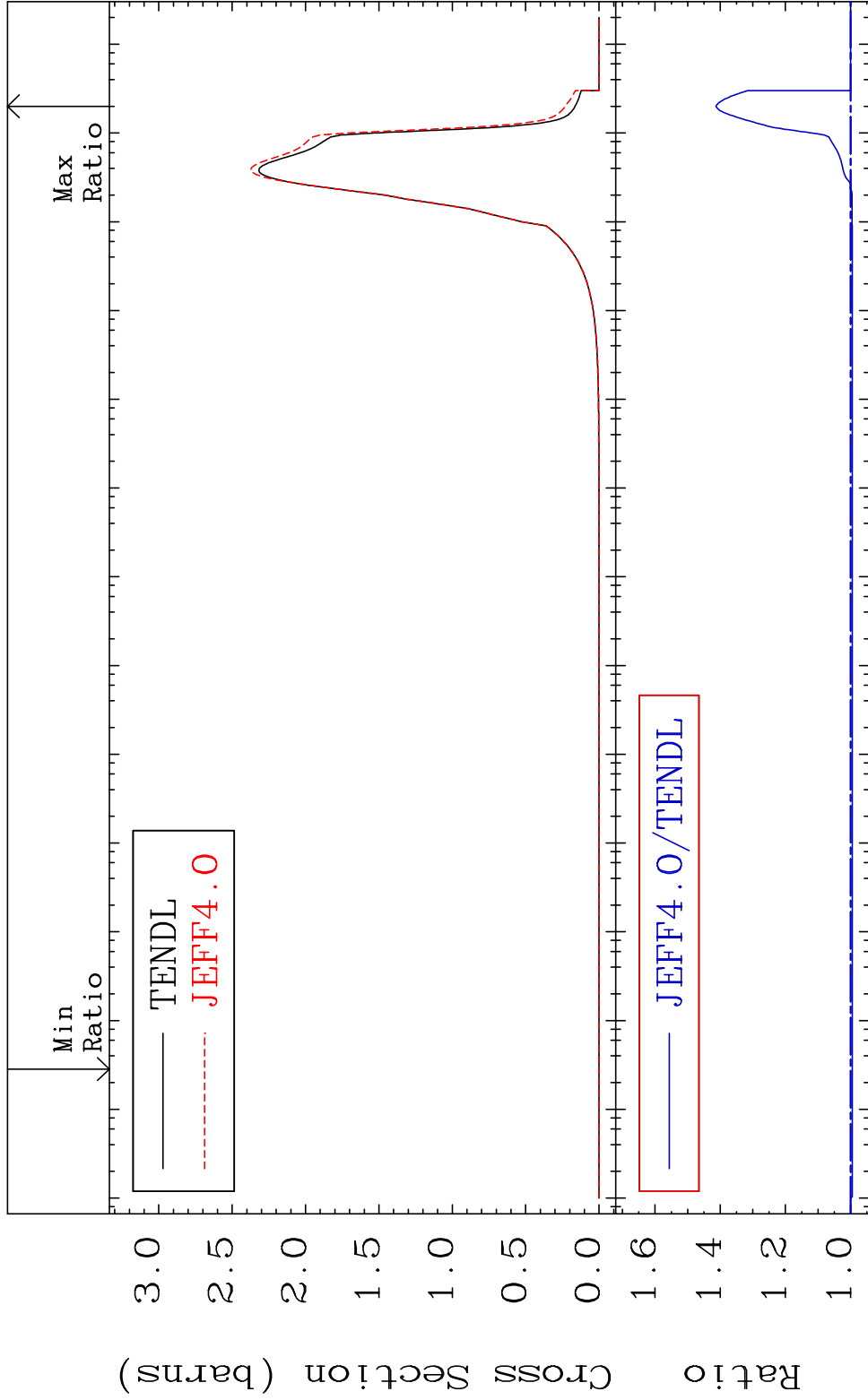


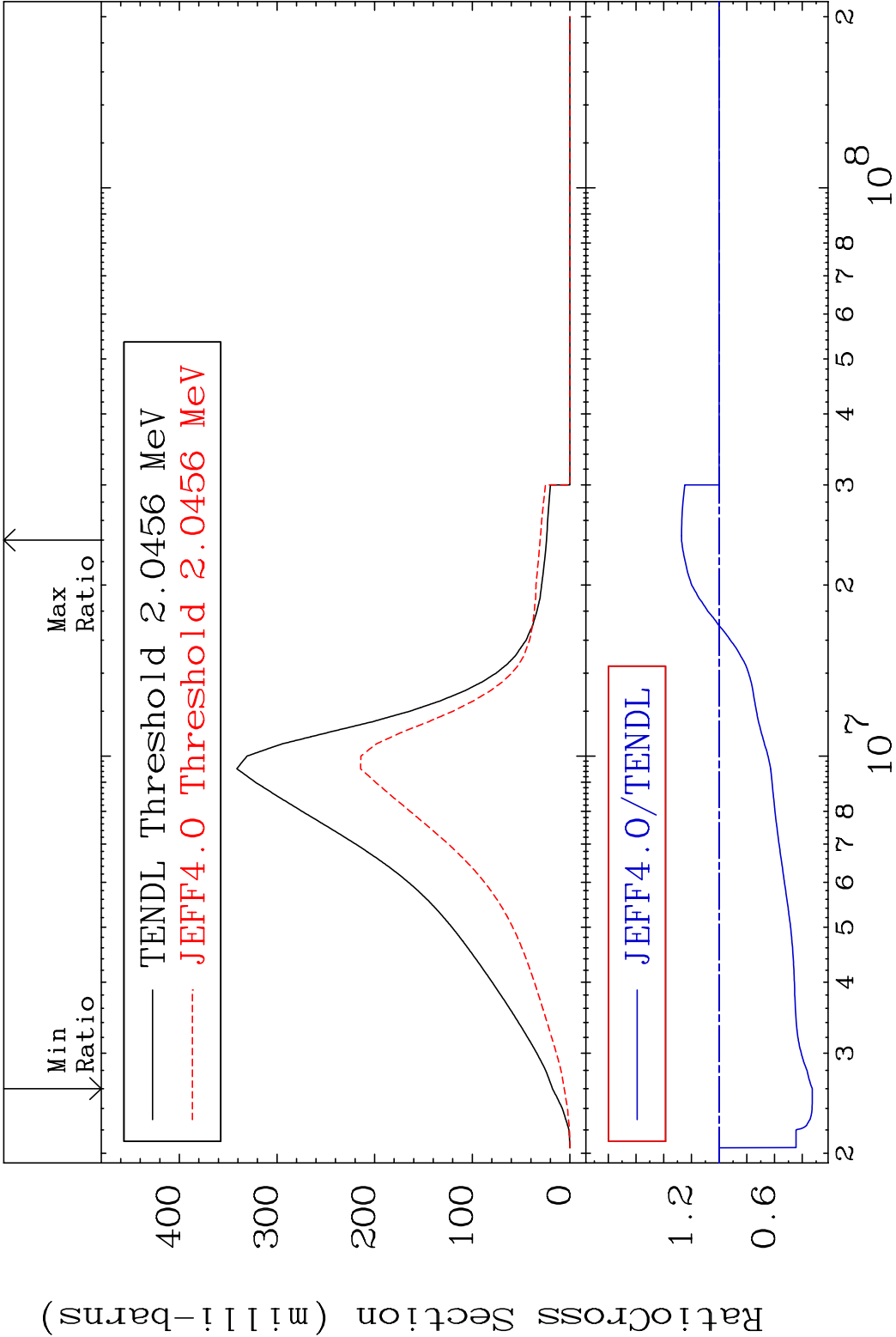


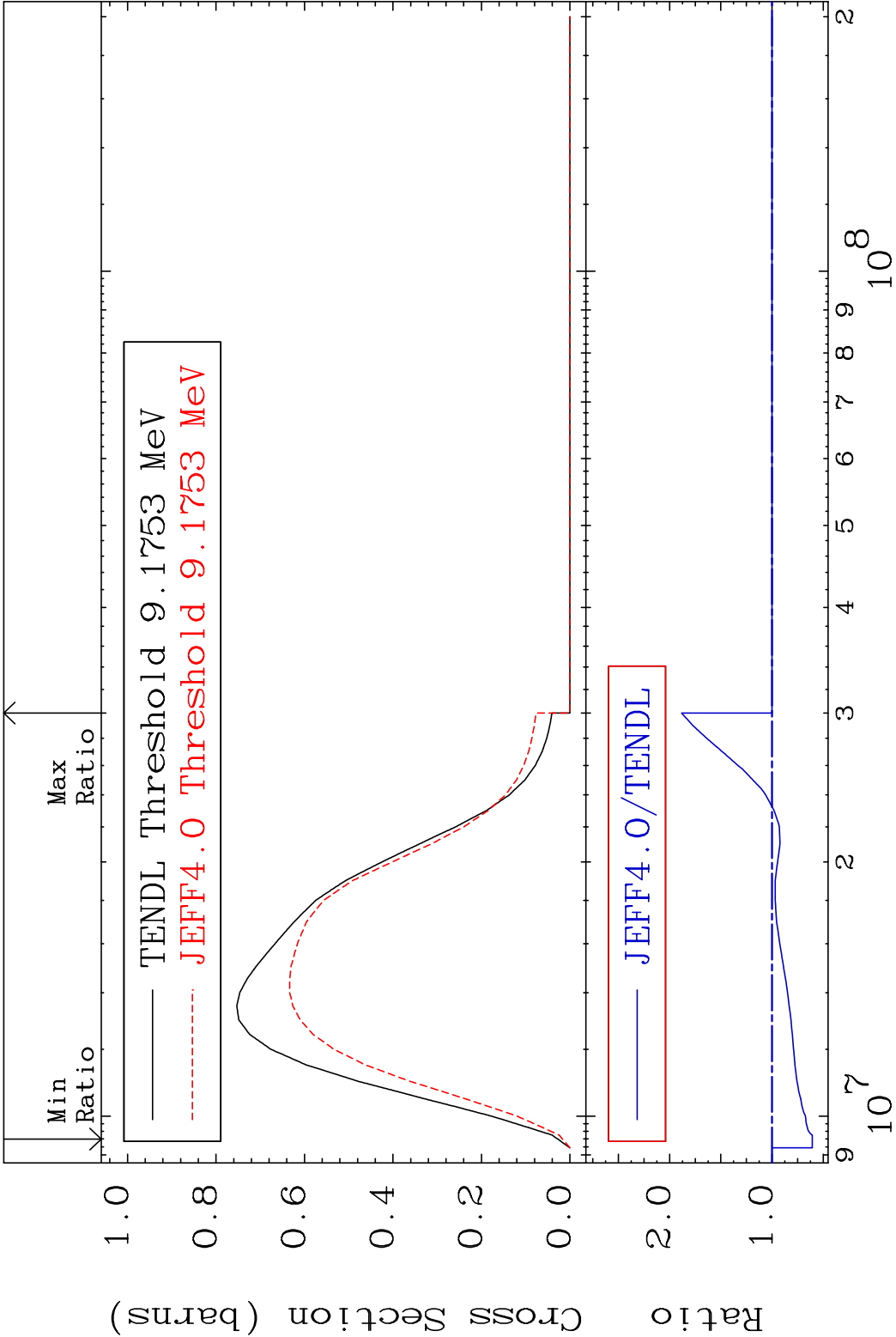
MAT 5643 Dpa disappearance (mt102 -120) 56-Ba-136
Cross Section -73.78 To 53.76 %

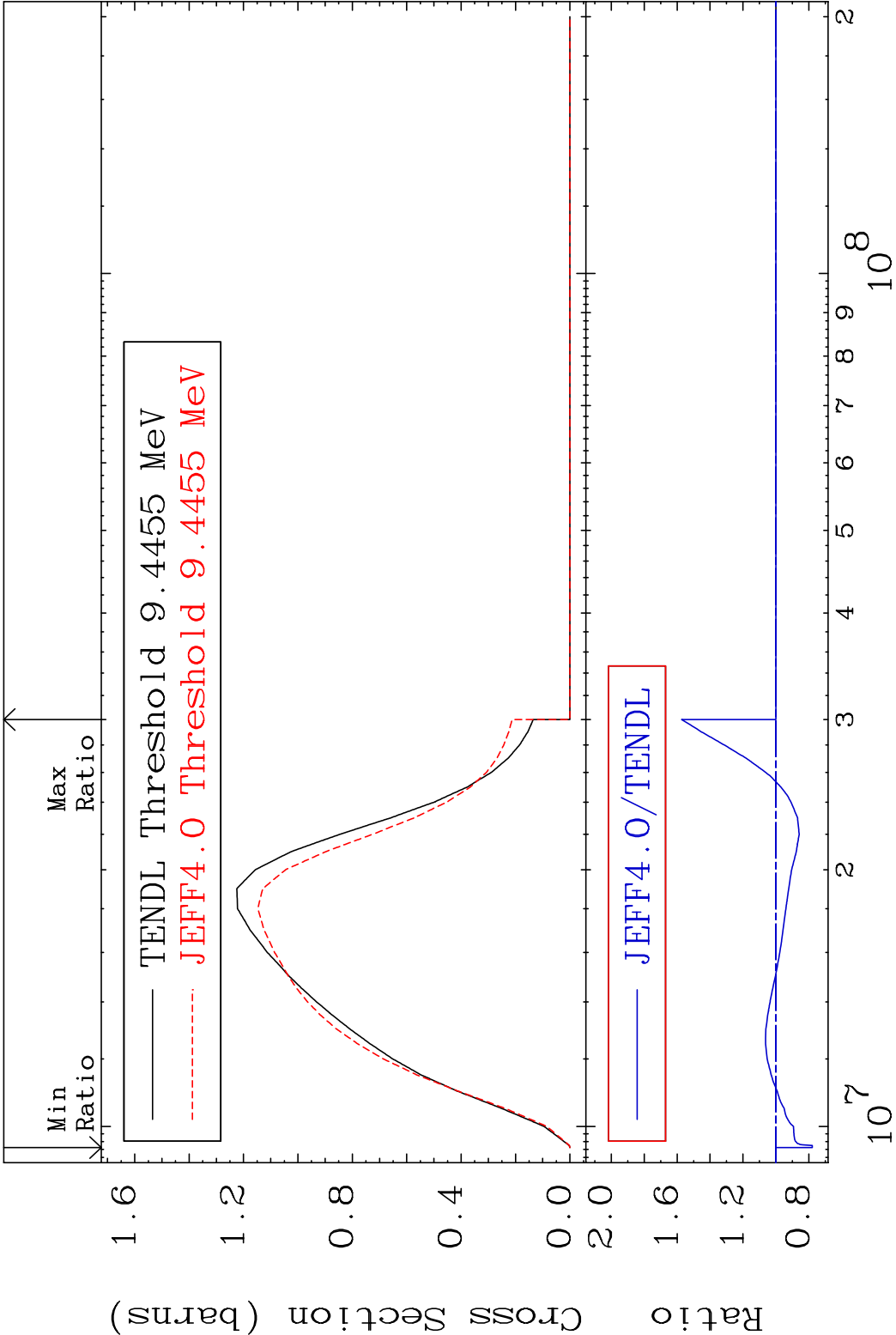


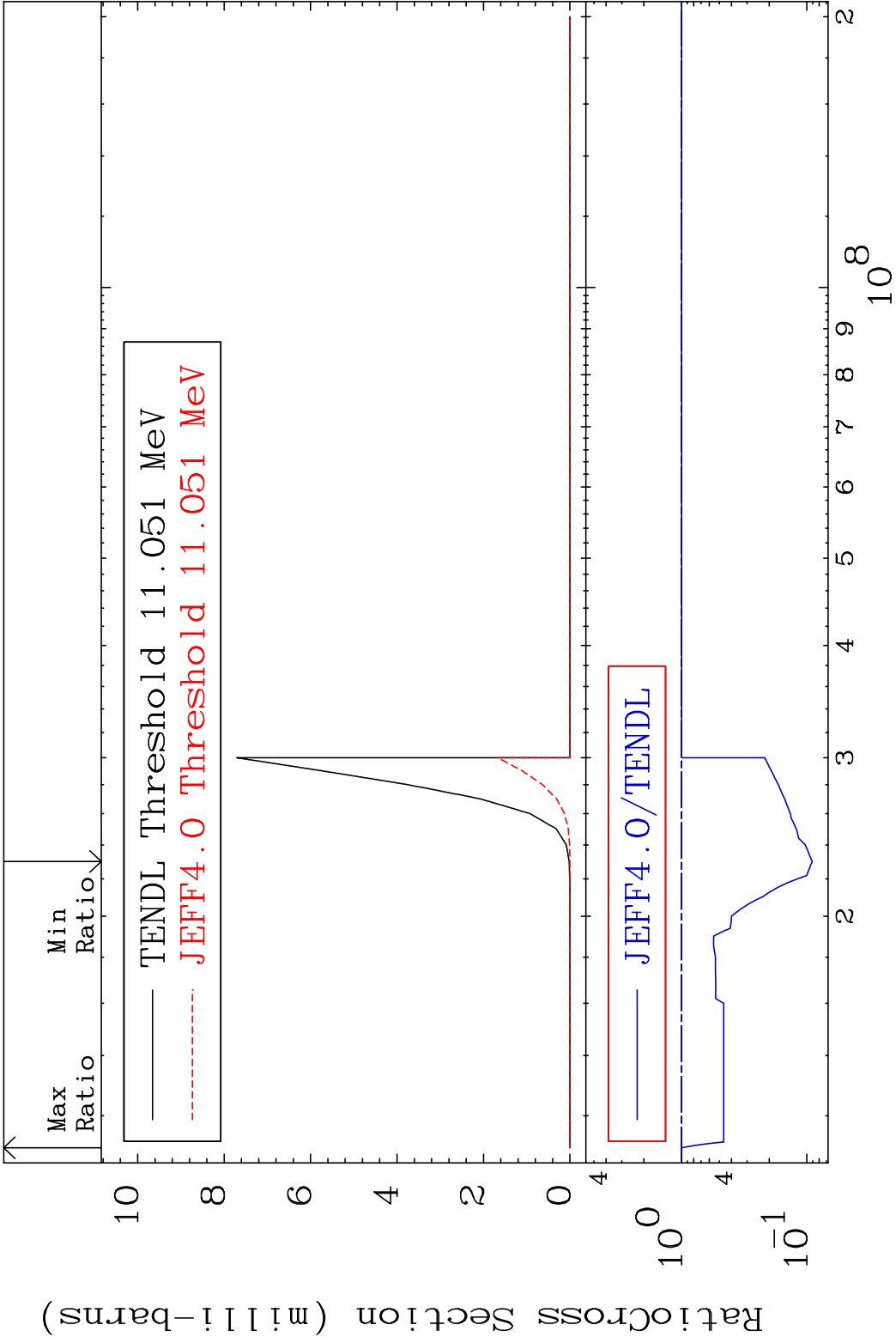
78 Incident Energy (eV) 56-Ba-136

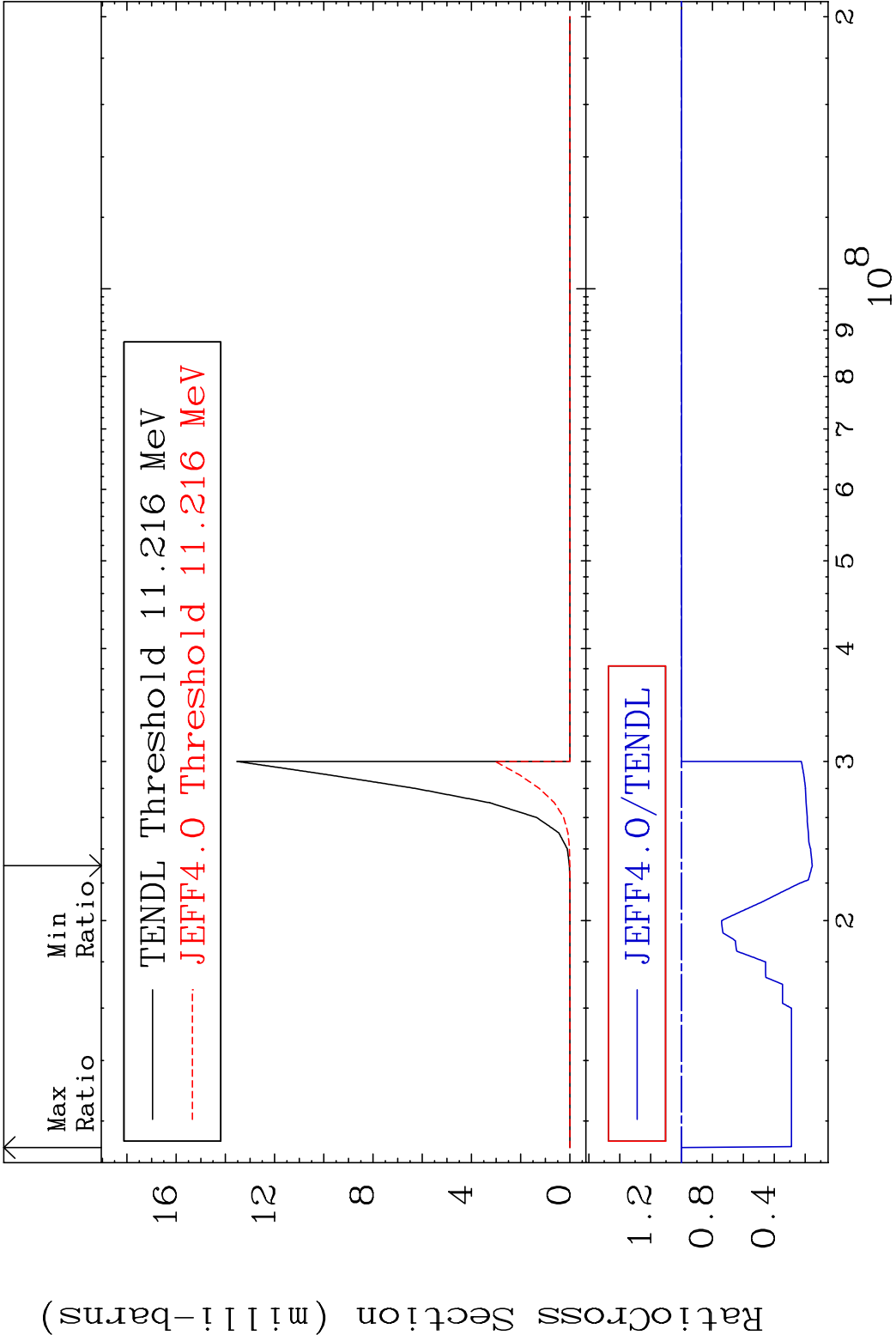


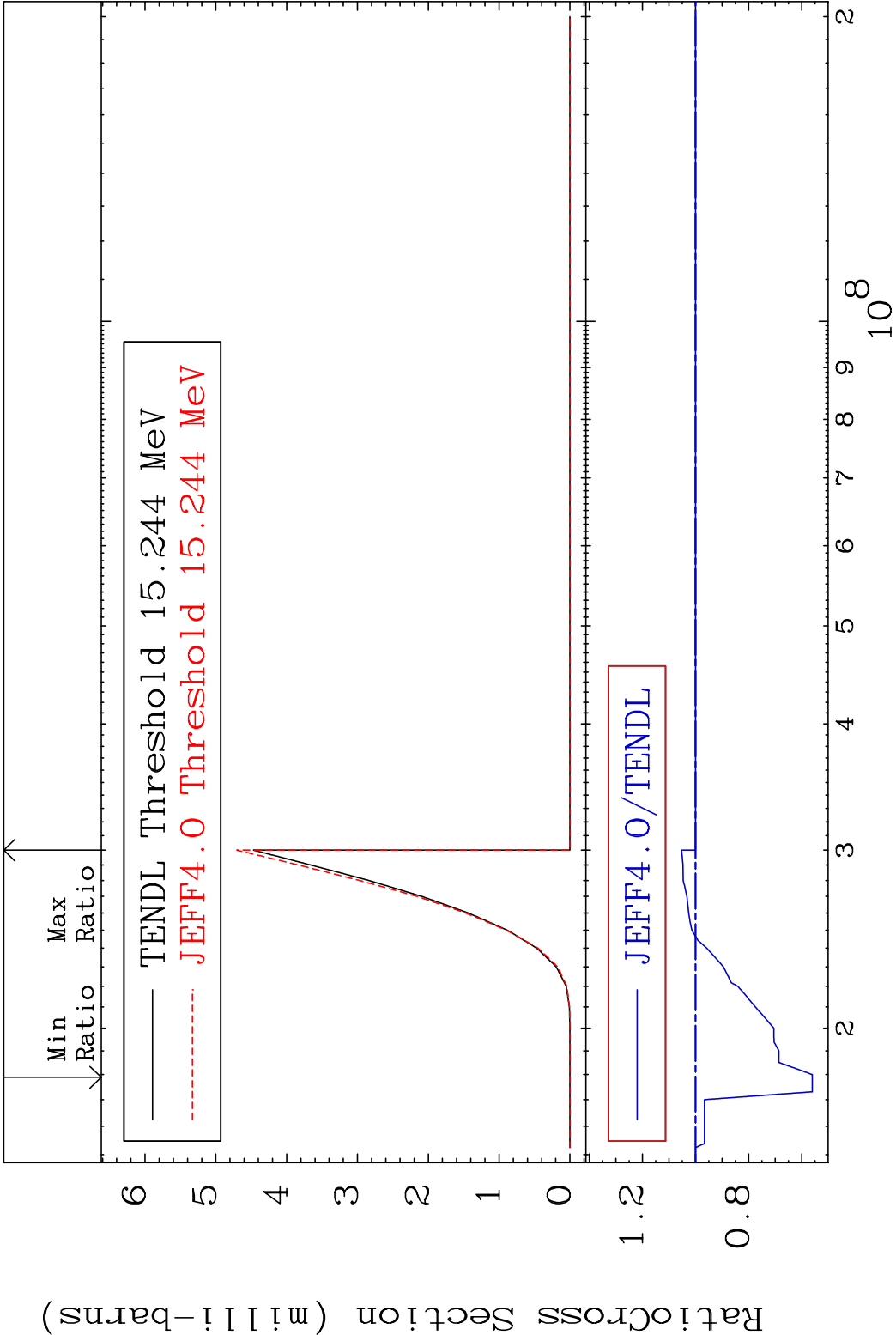


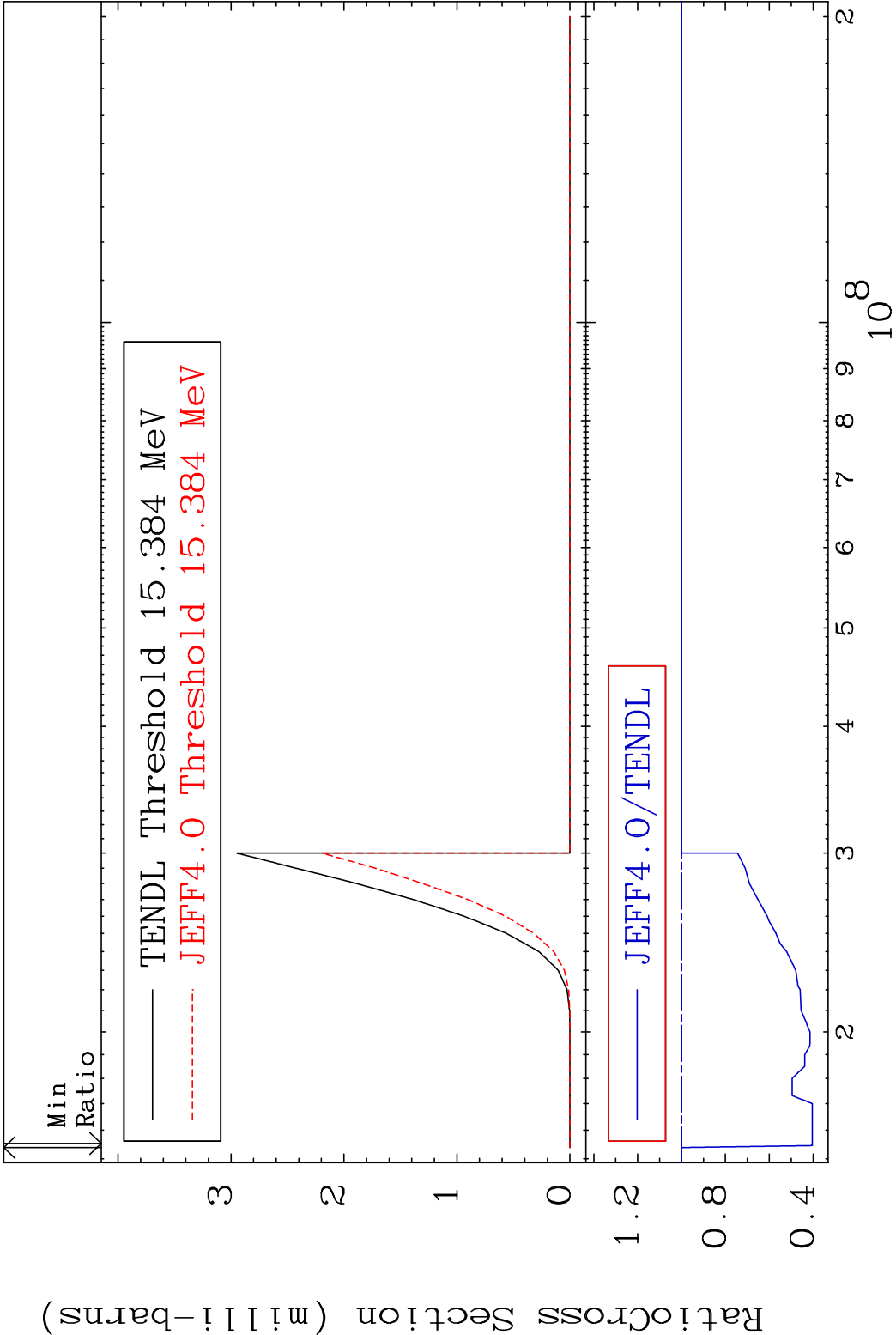


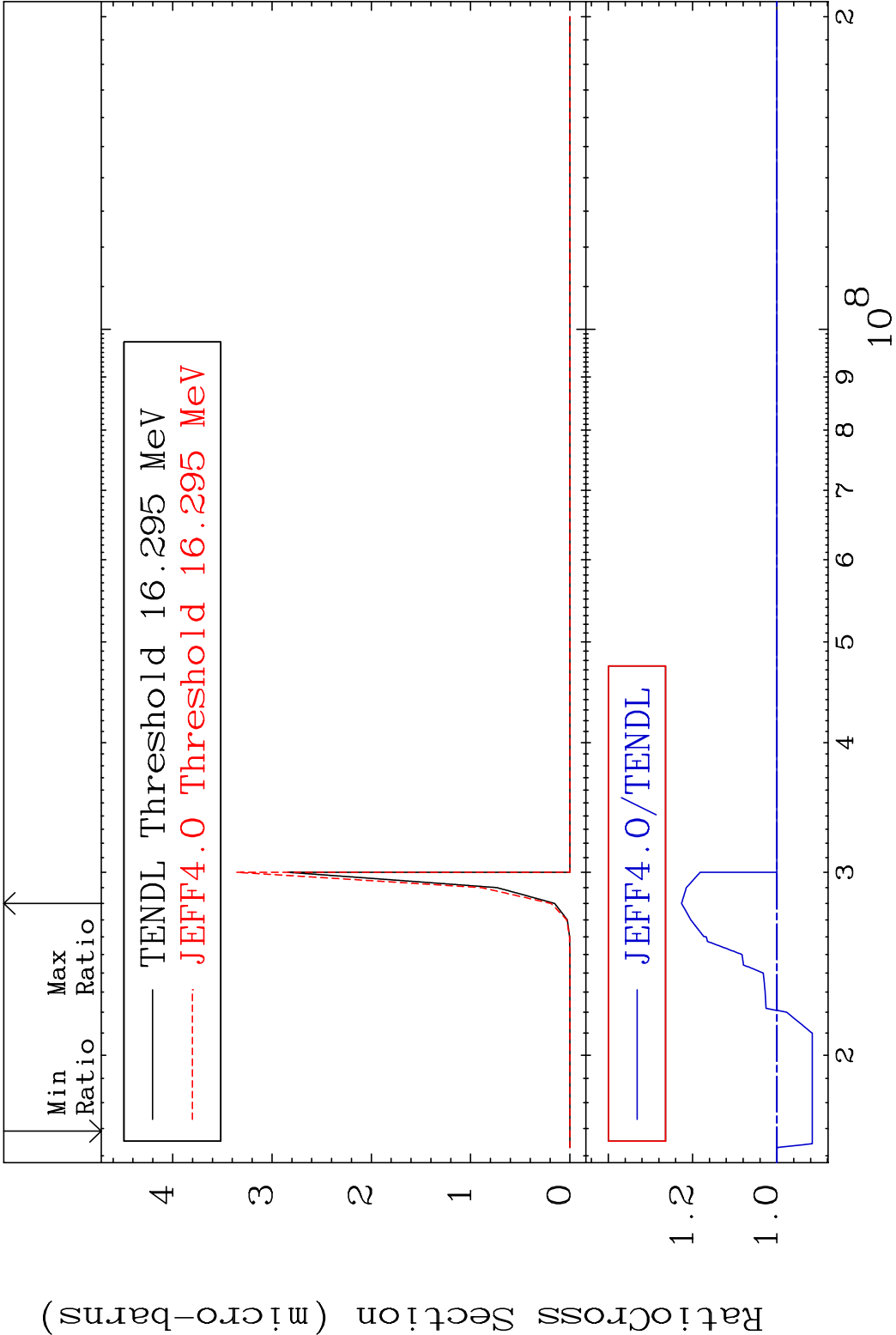


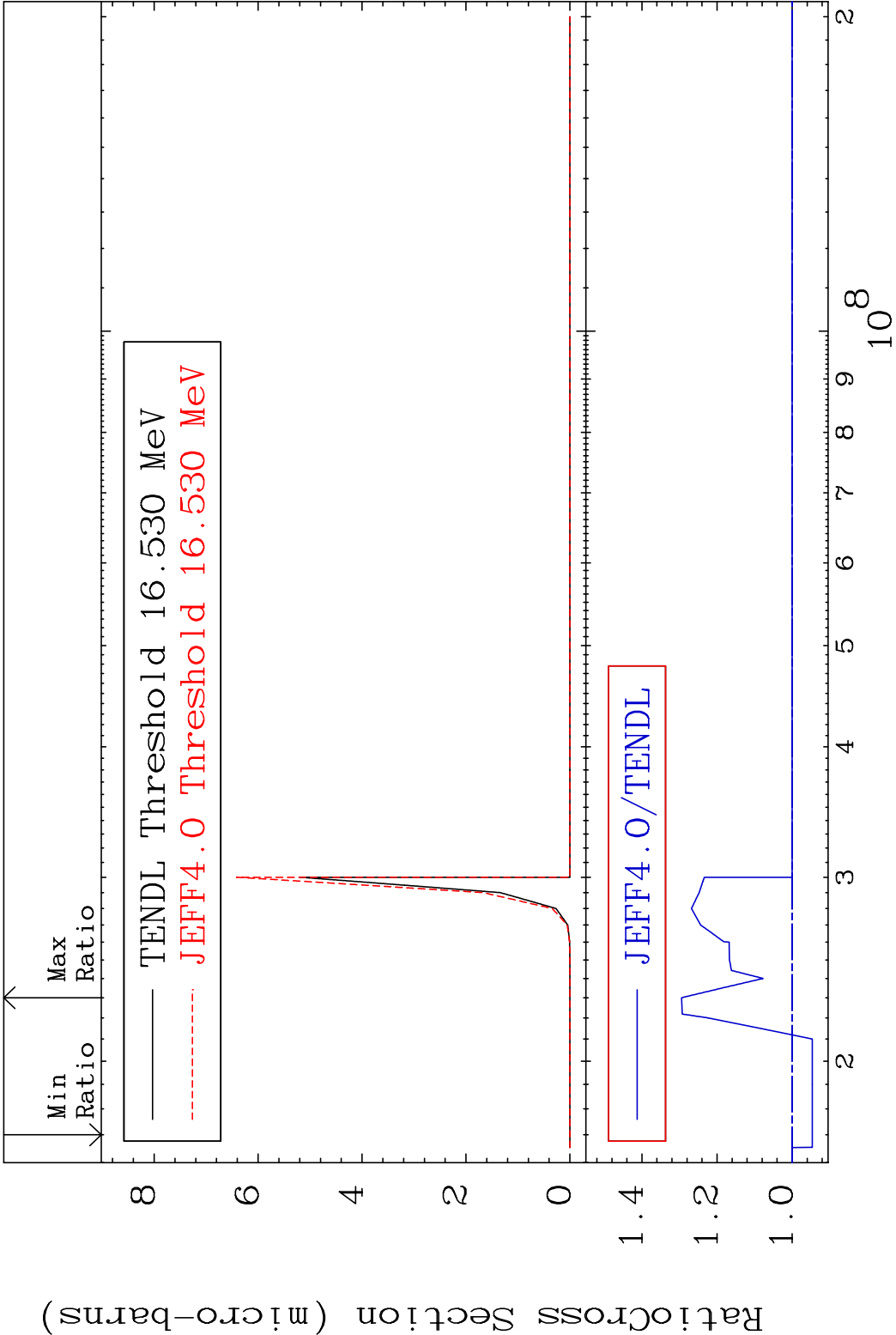


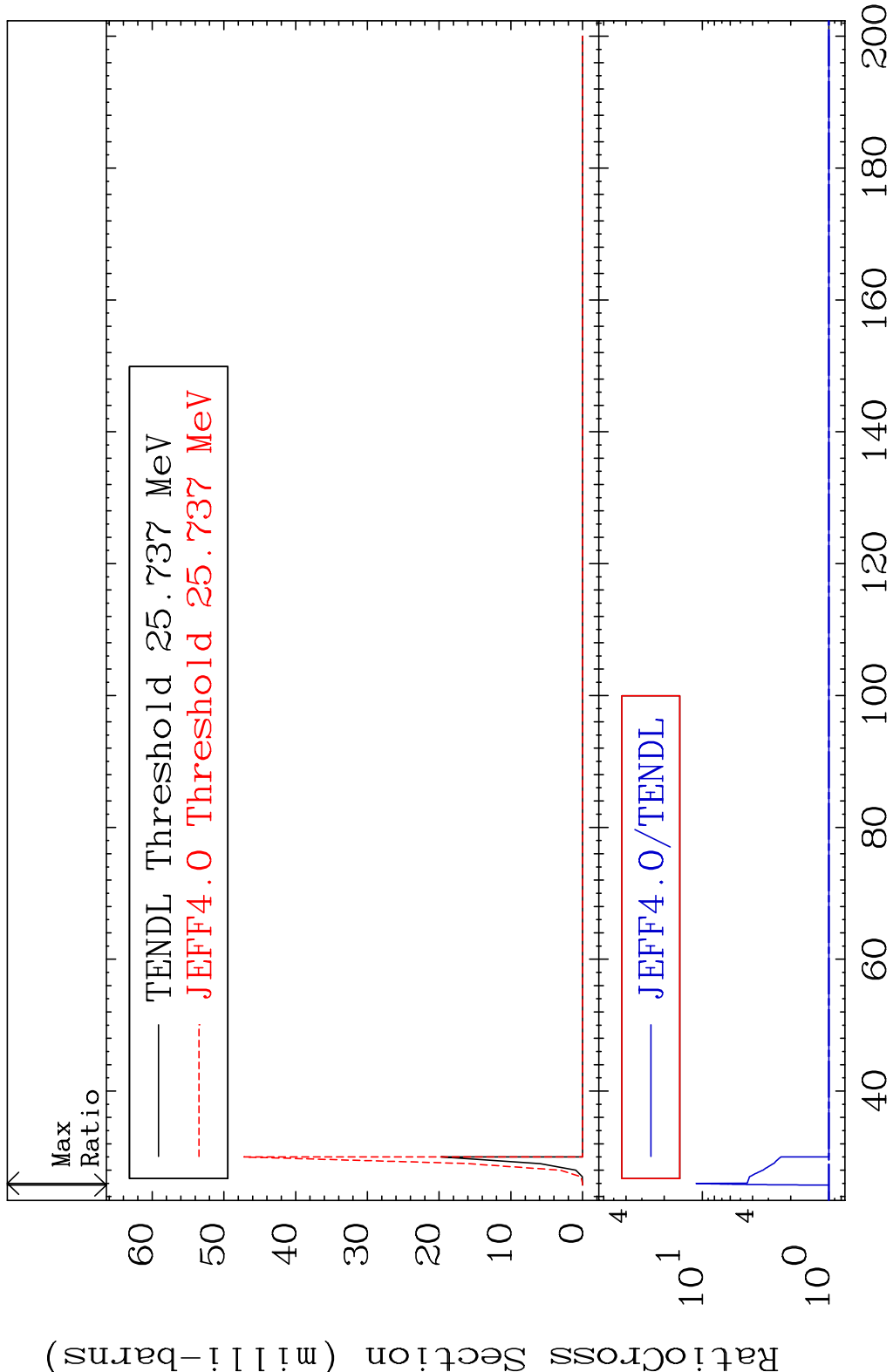


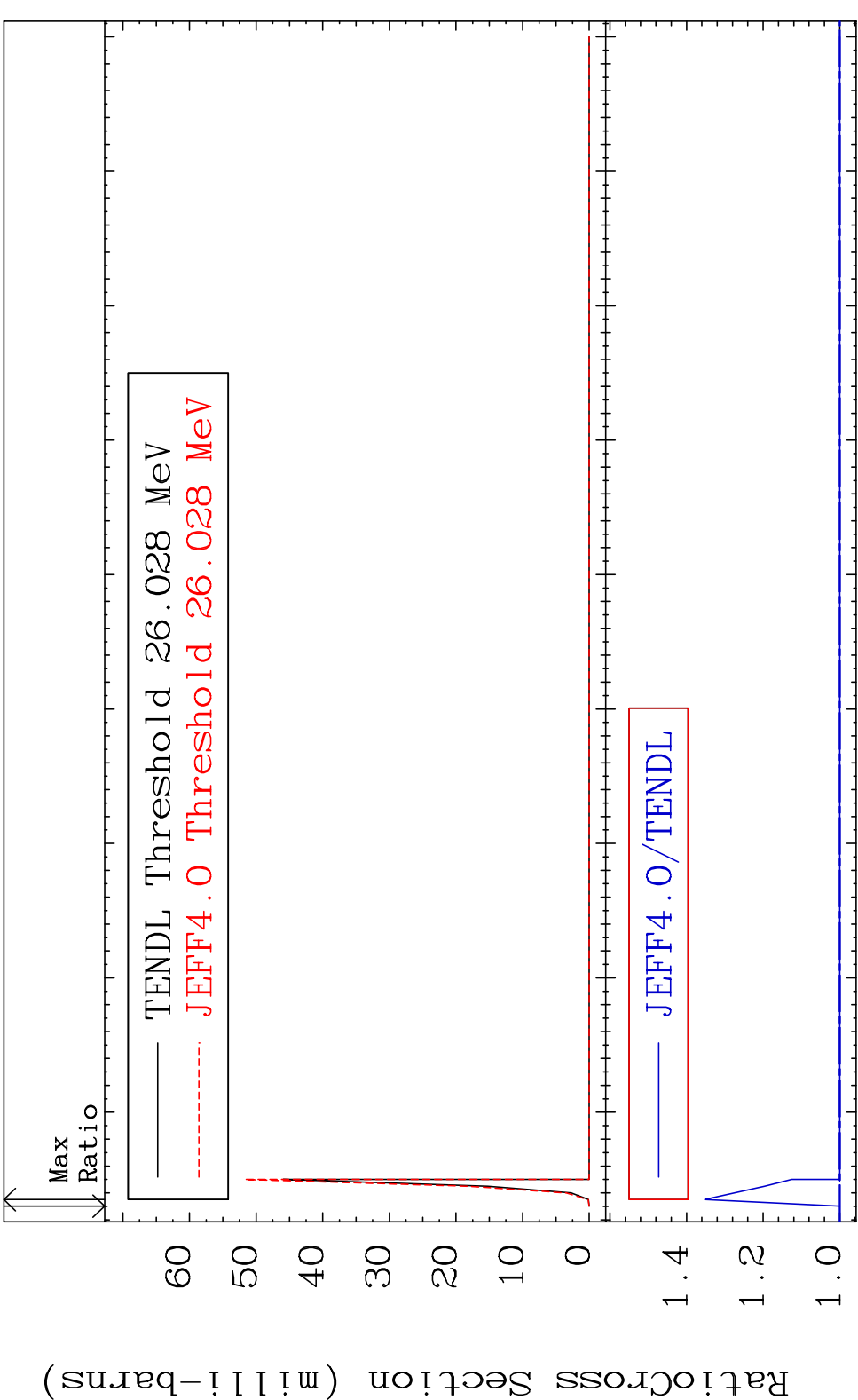


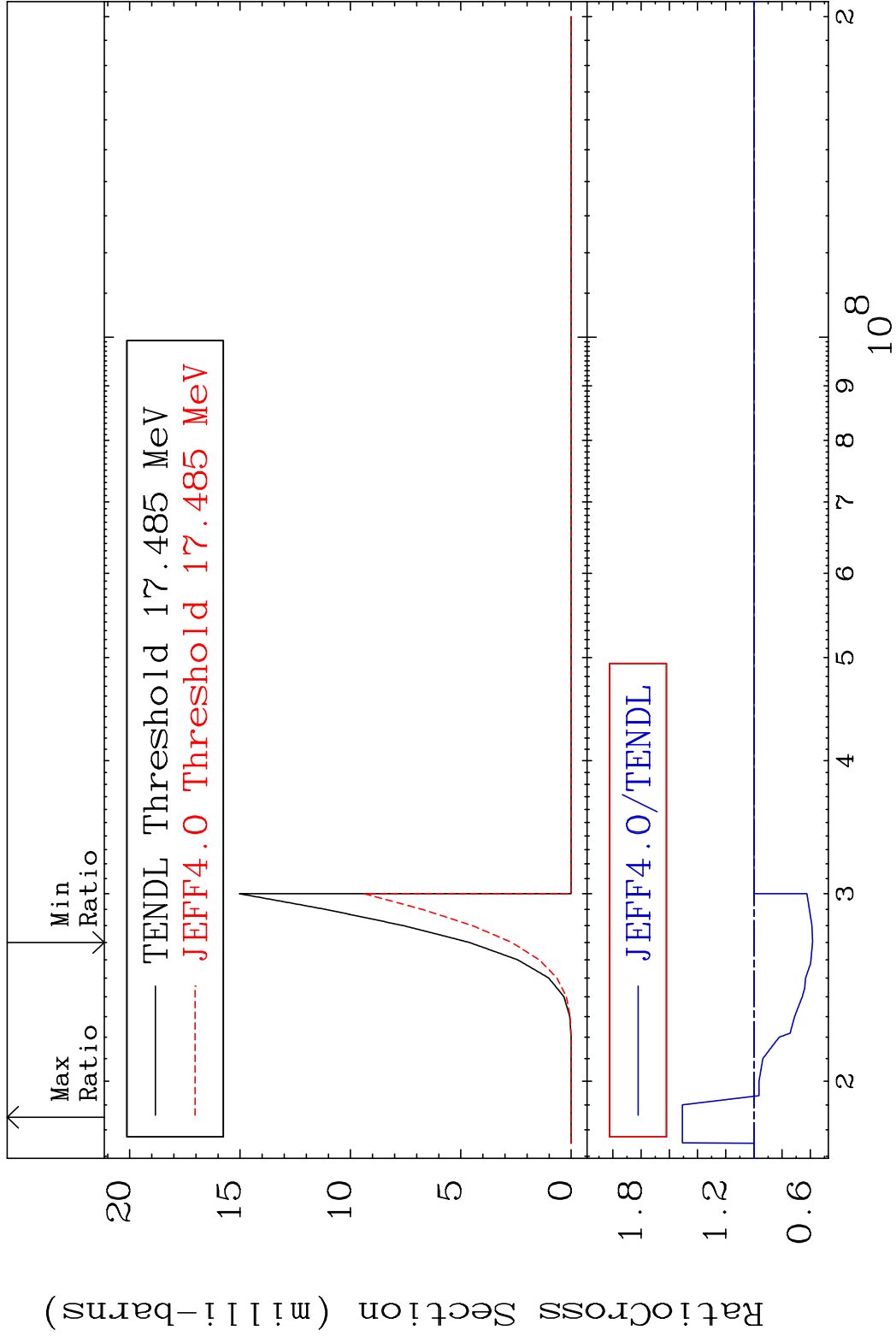


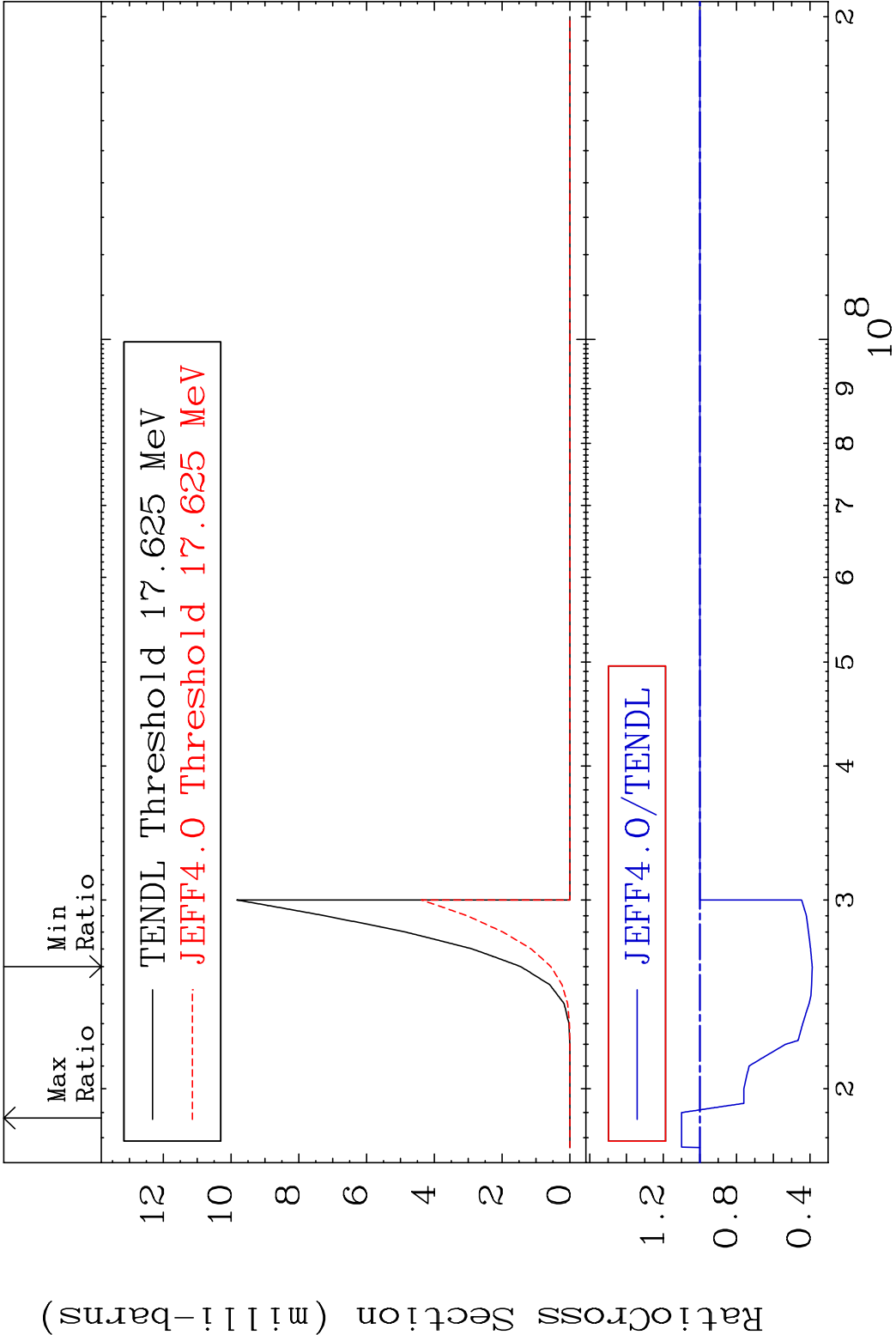


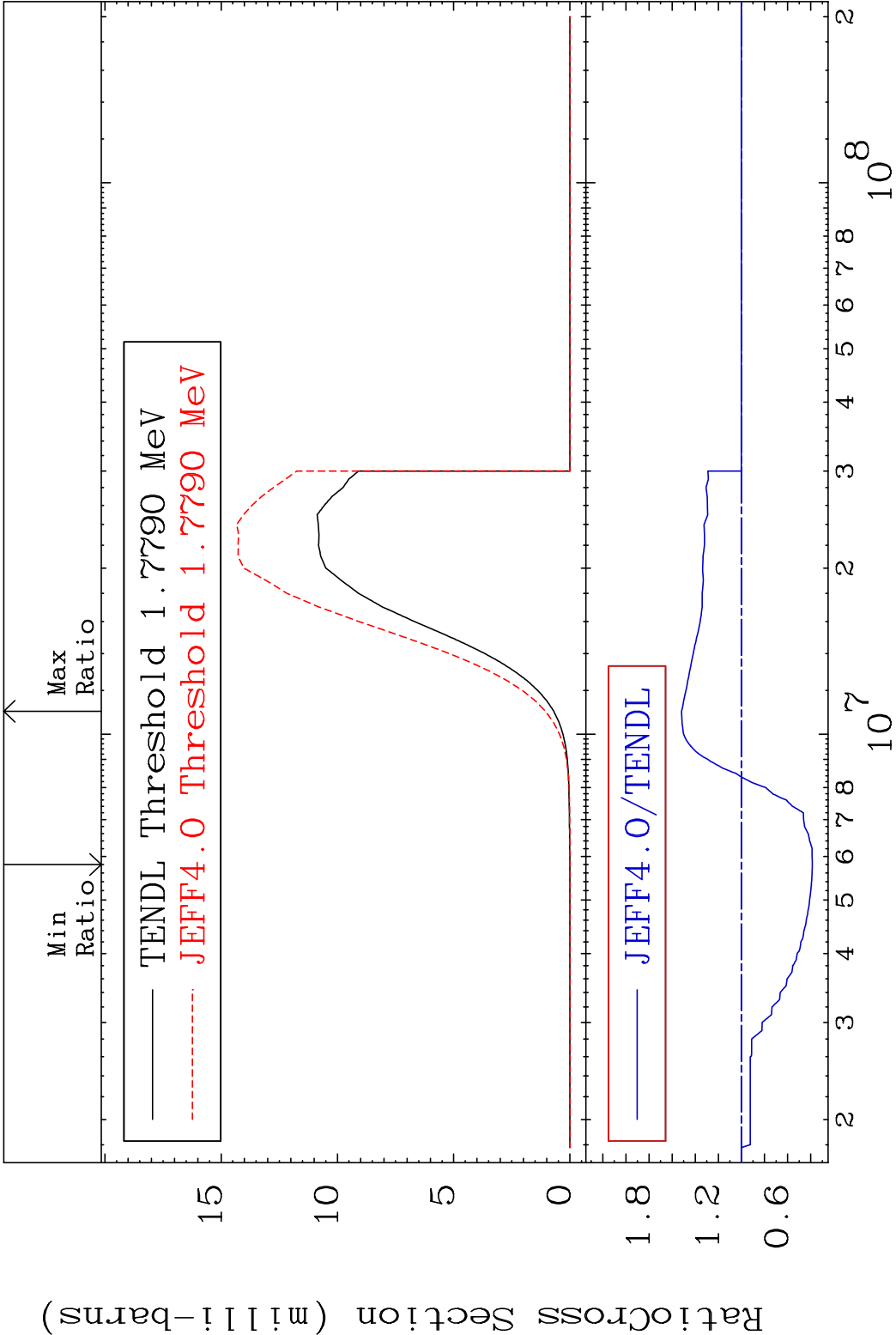


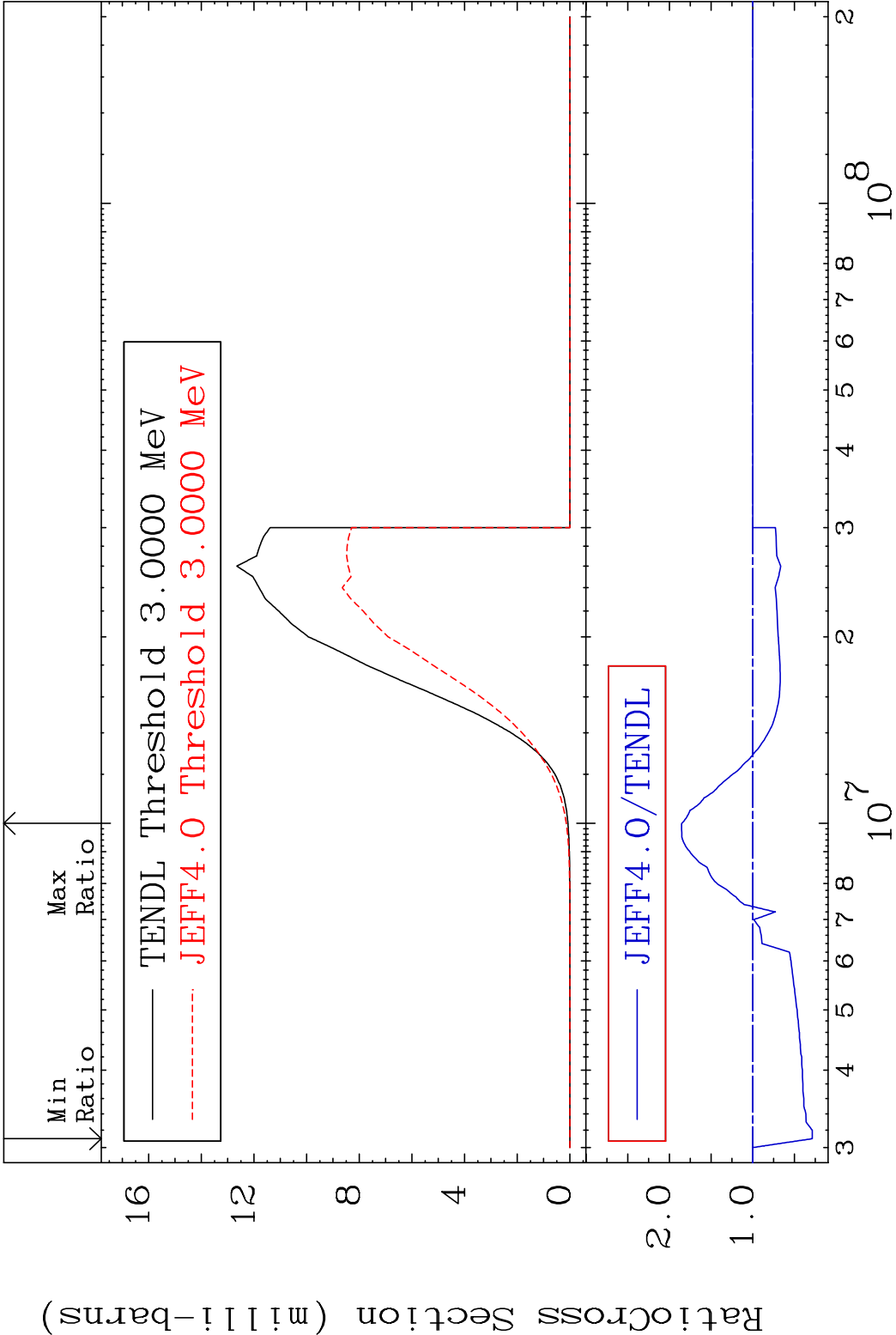


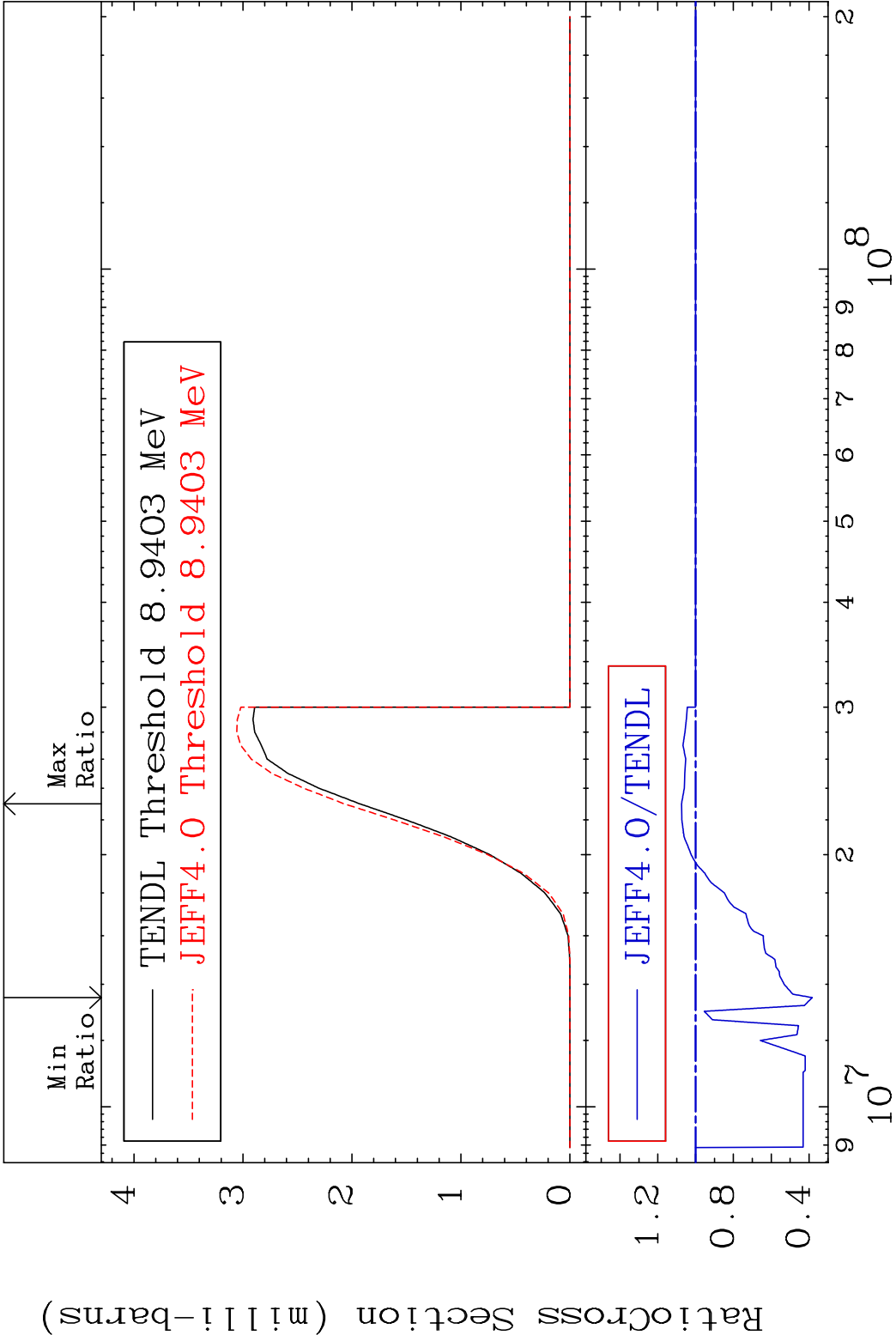


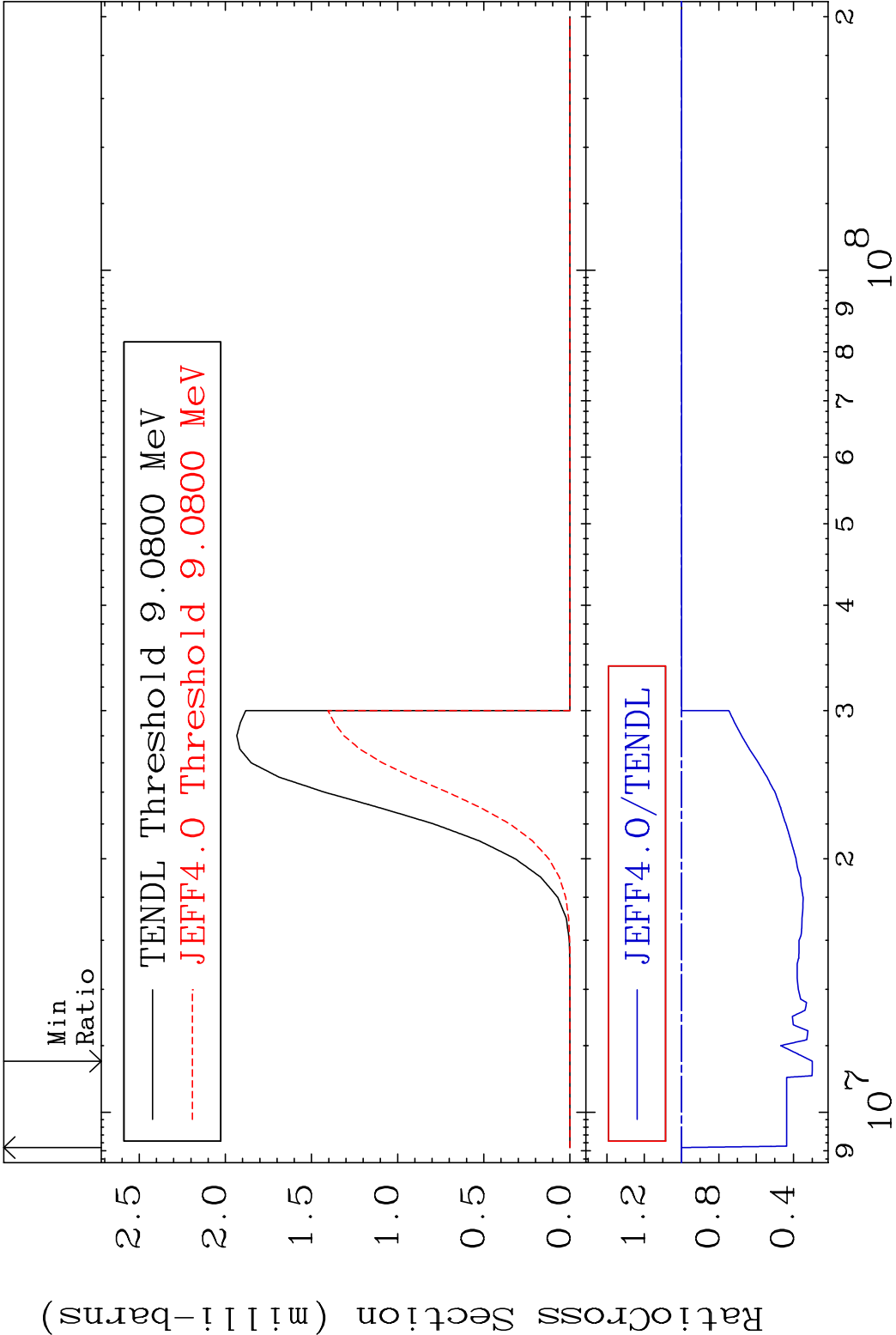


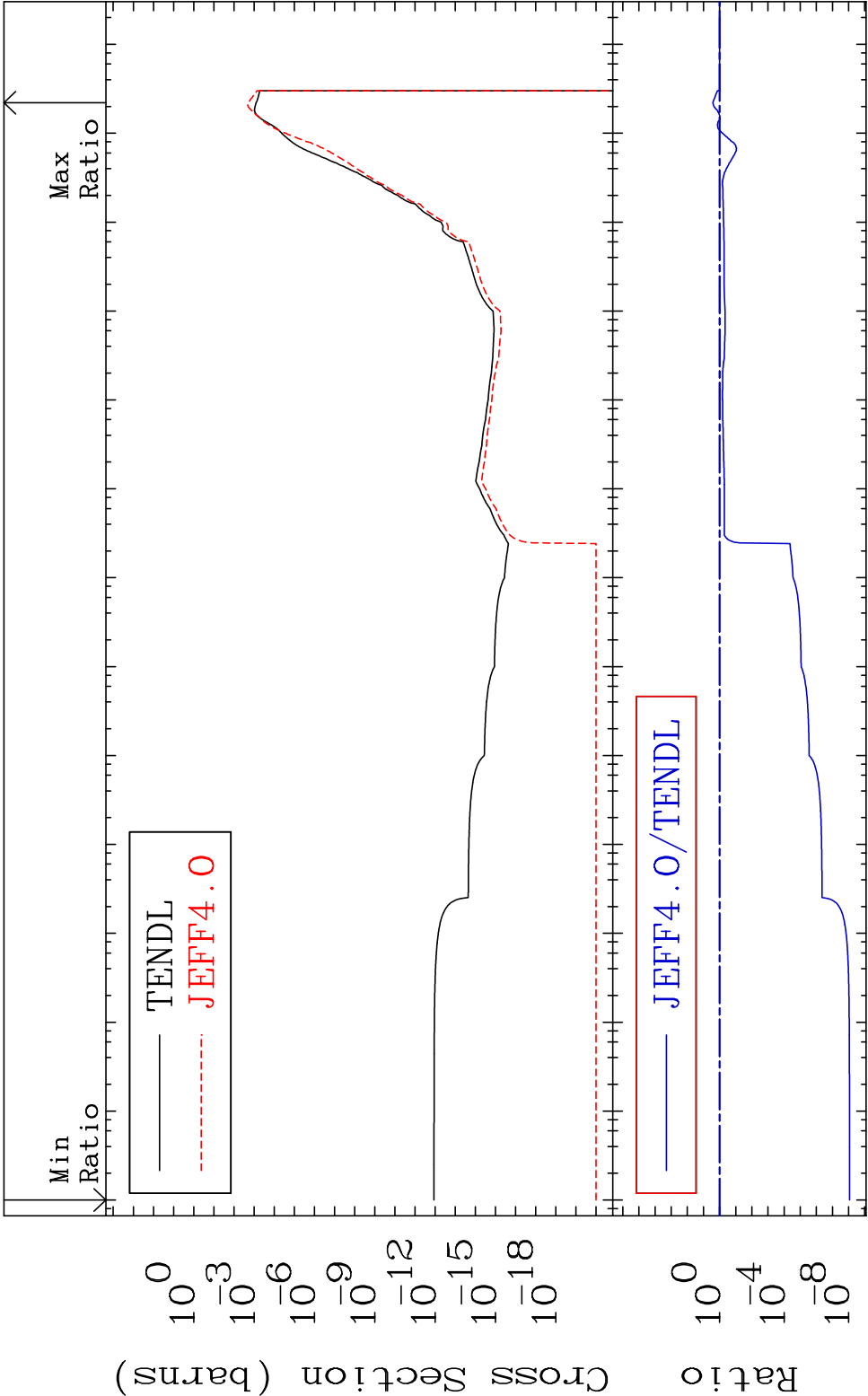


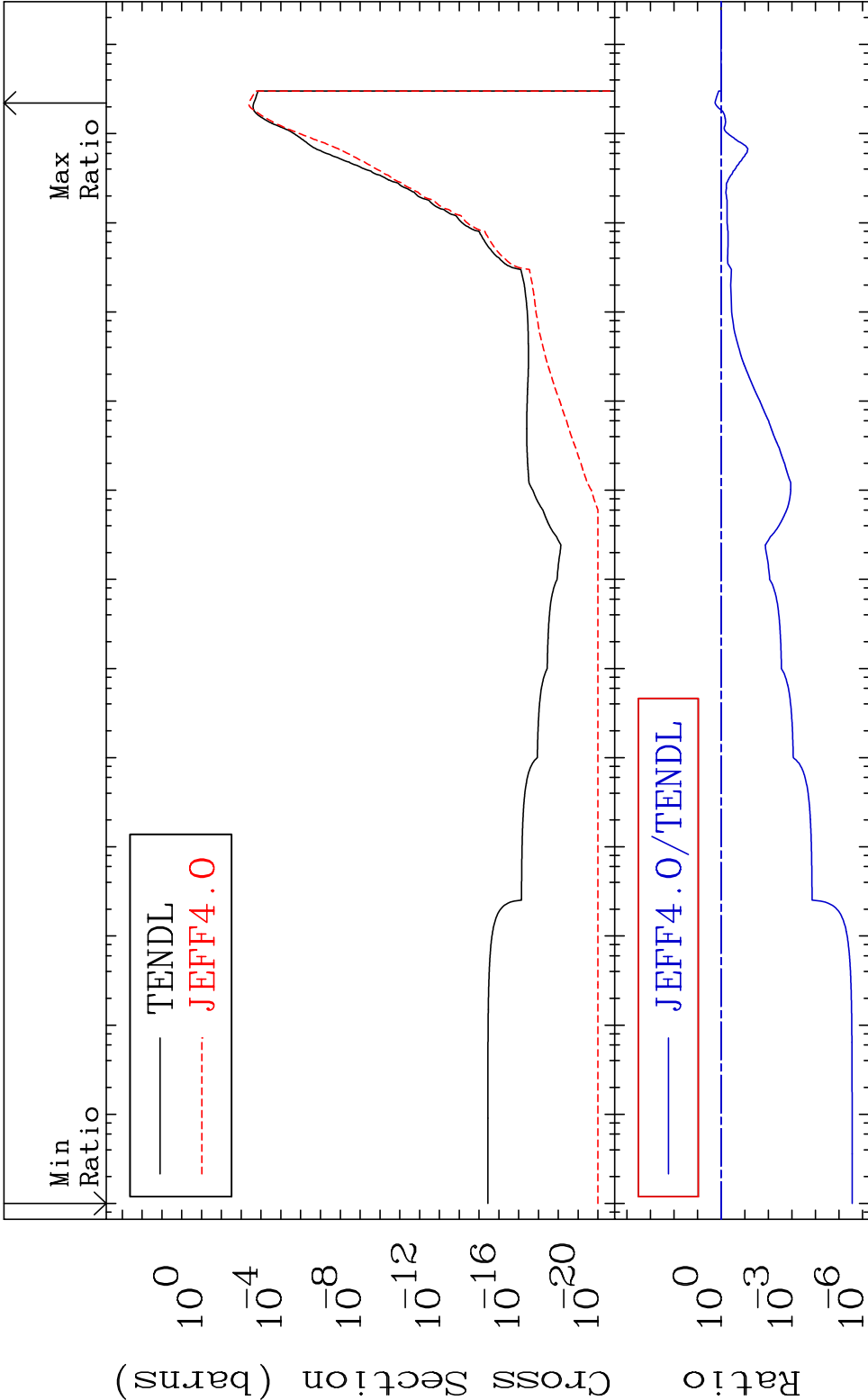


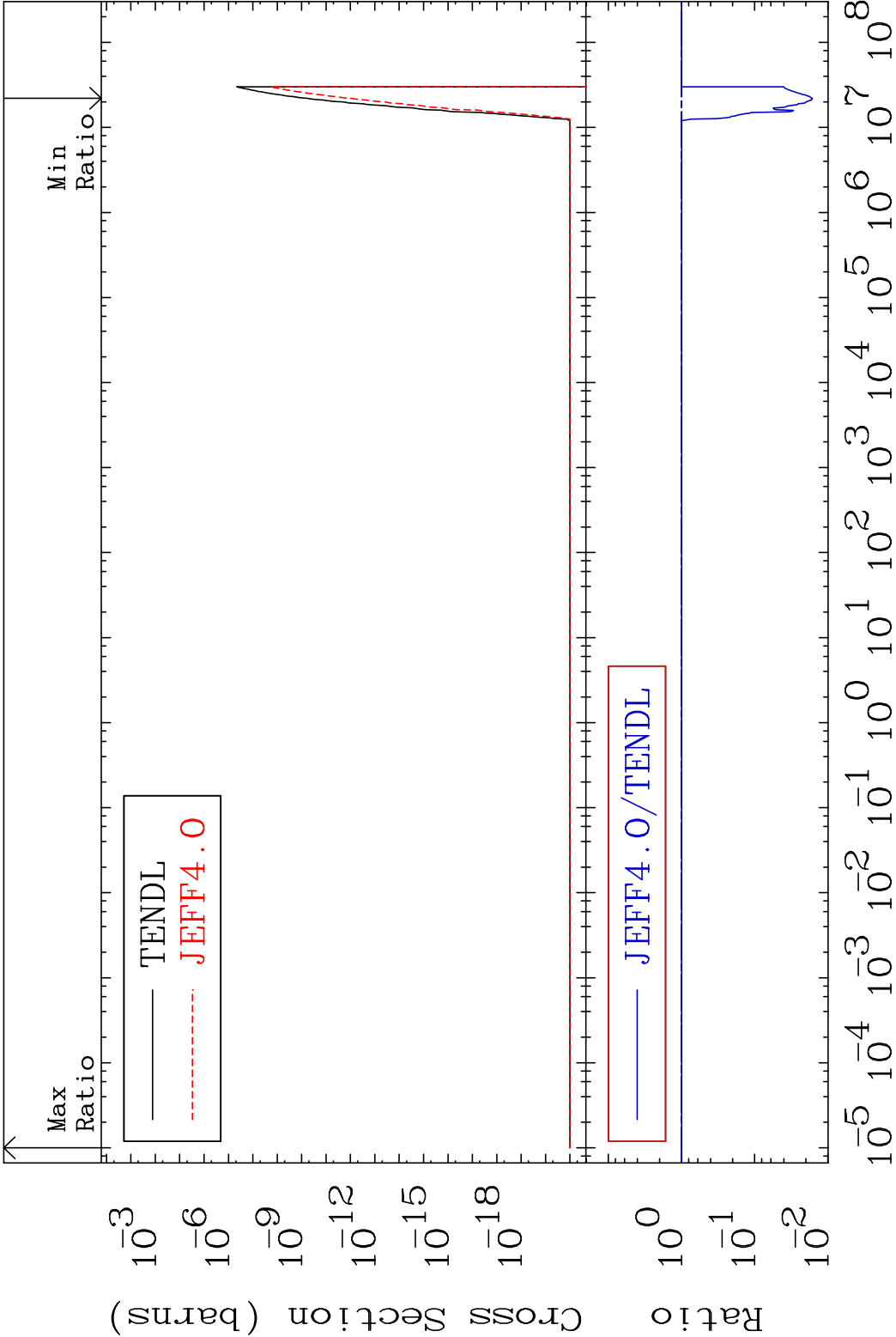












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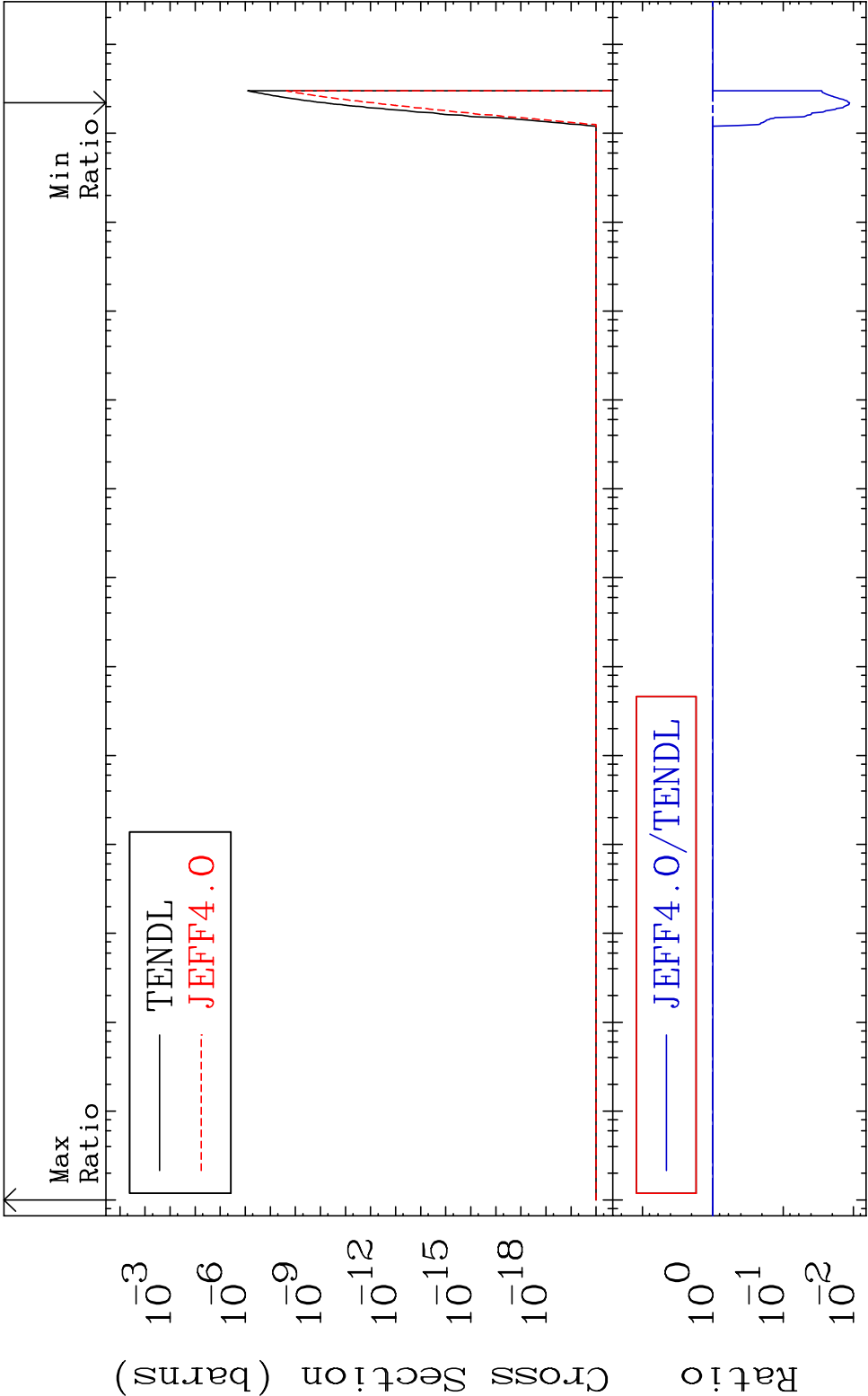
(n,2α):52-Te-129m1

56-Ba-136

Radionuclide Production Cross Section

98.861 d

0.000 %



100

Incident Energy (eV)

56-Ba-136

