

Program Complot
(Version 2021-1)

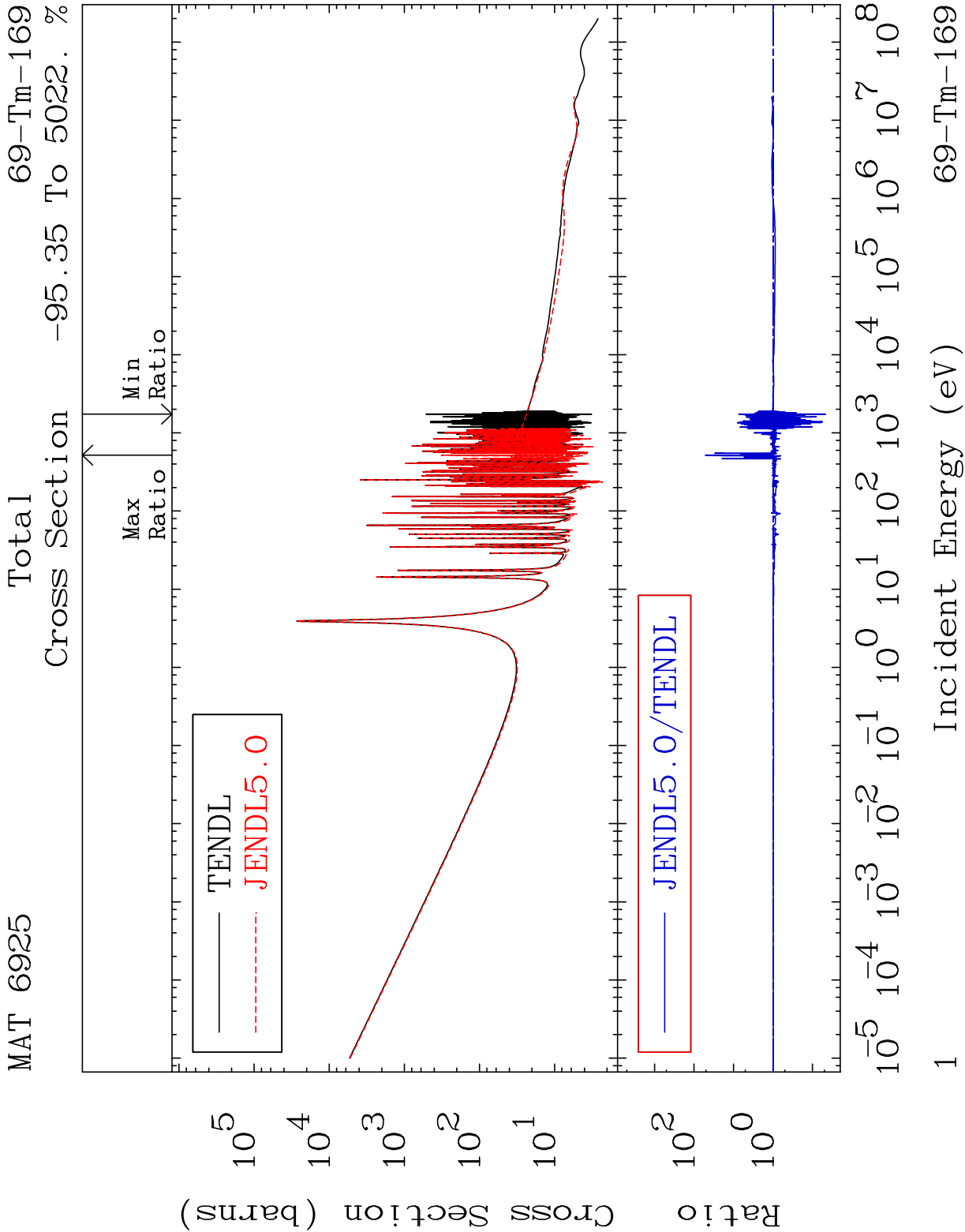
by

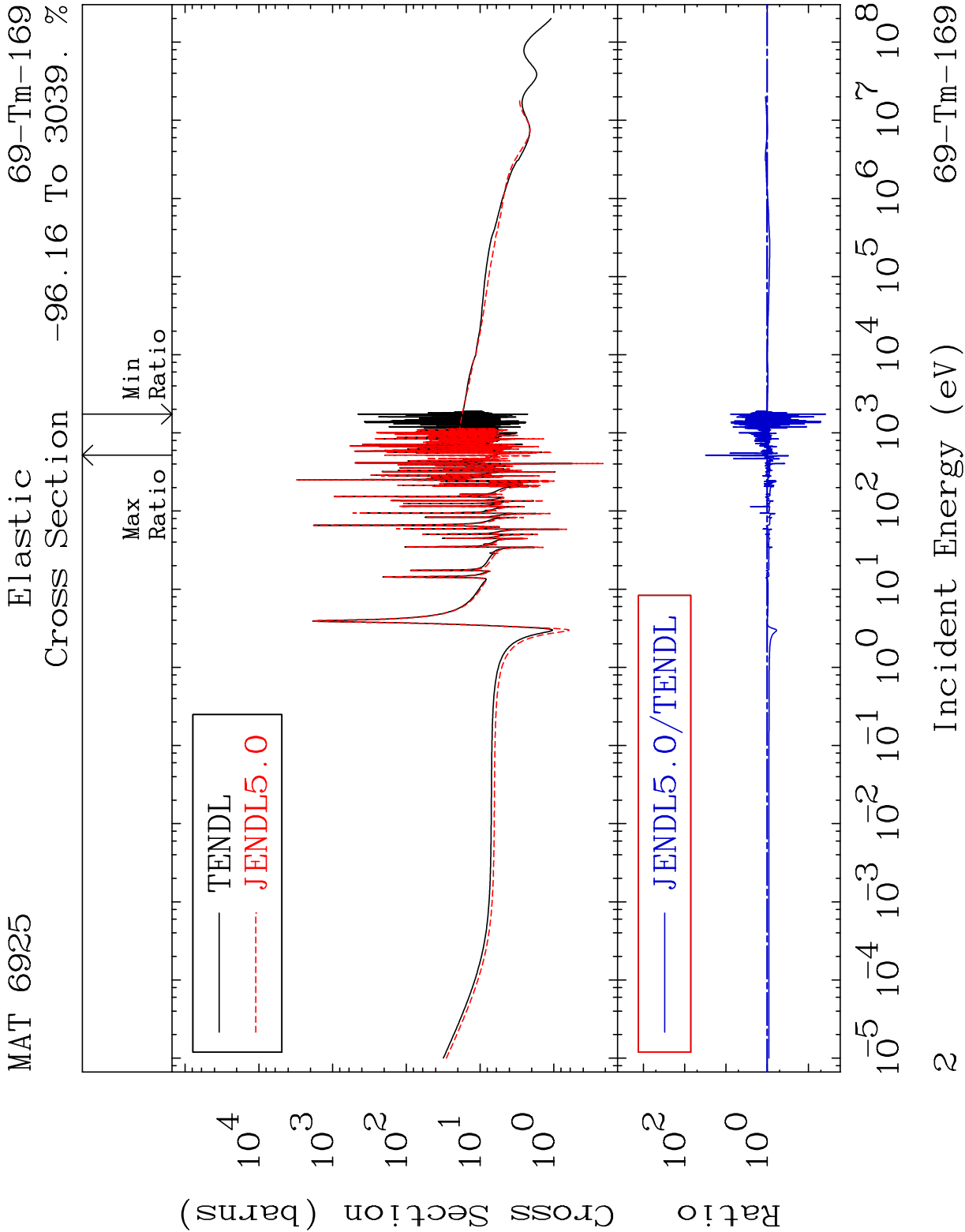
Dermott E. Cullen
(Present Contact Information)

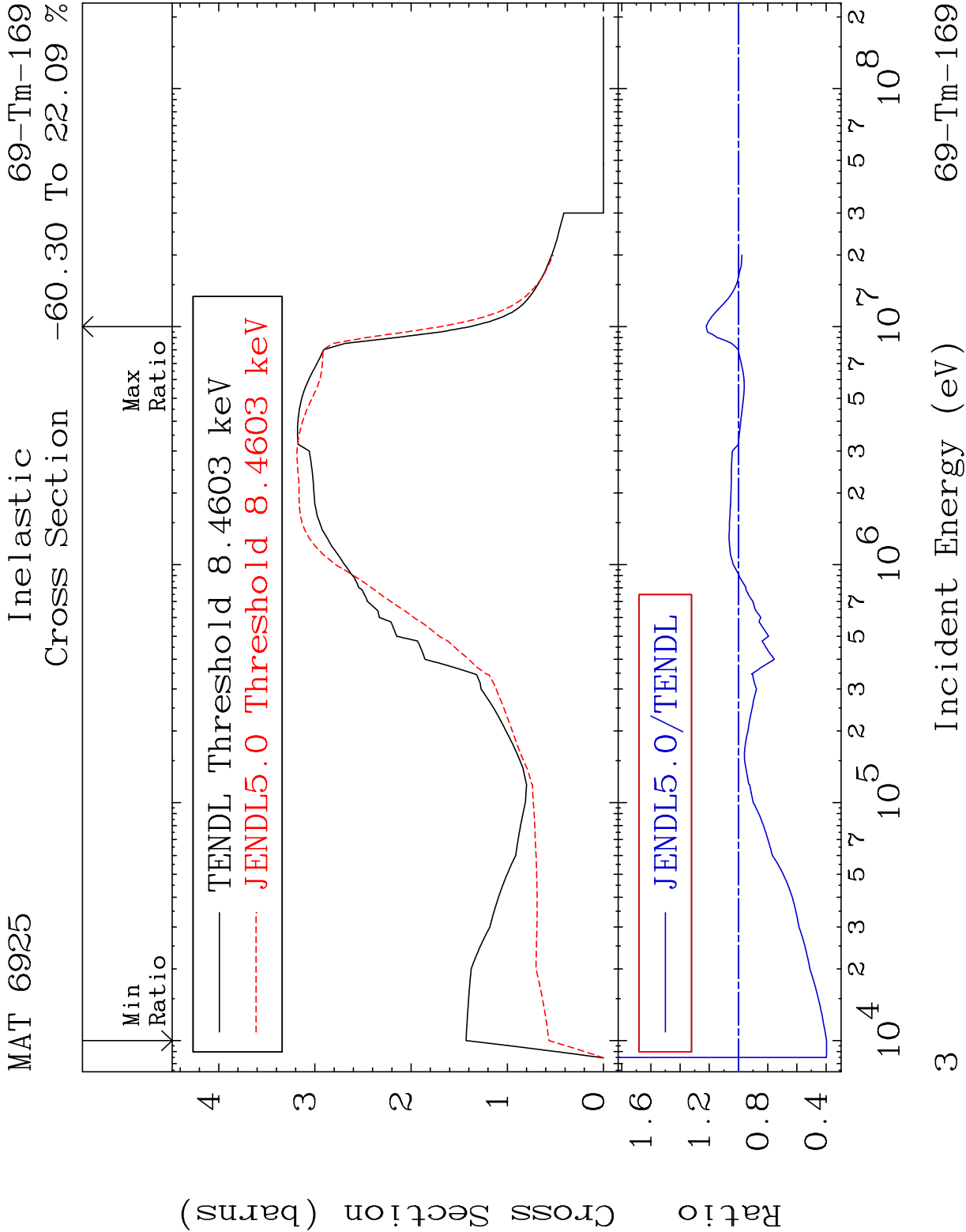
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

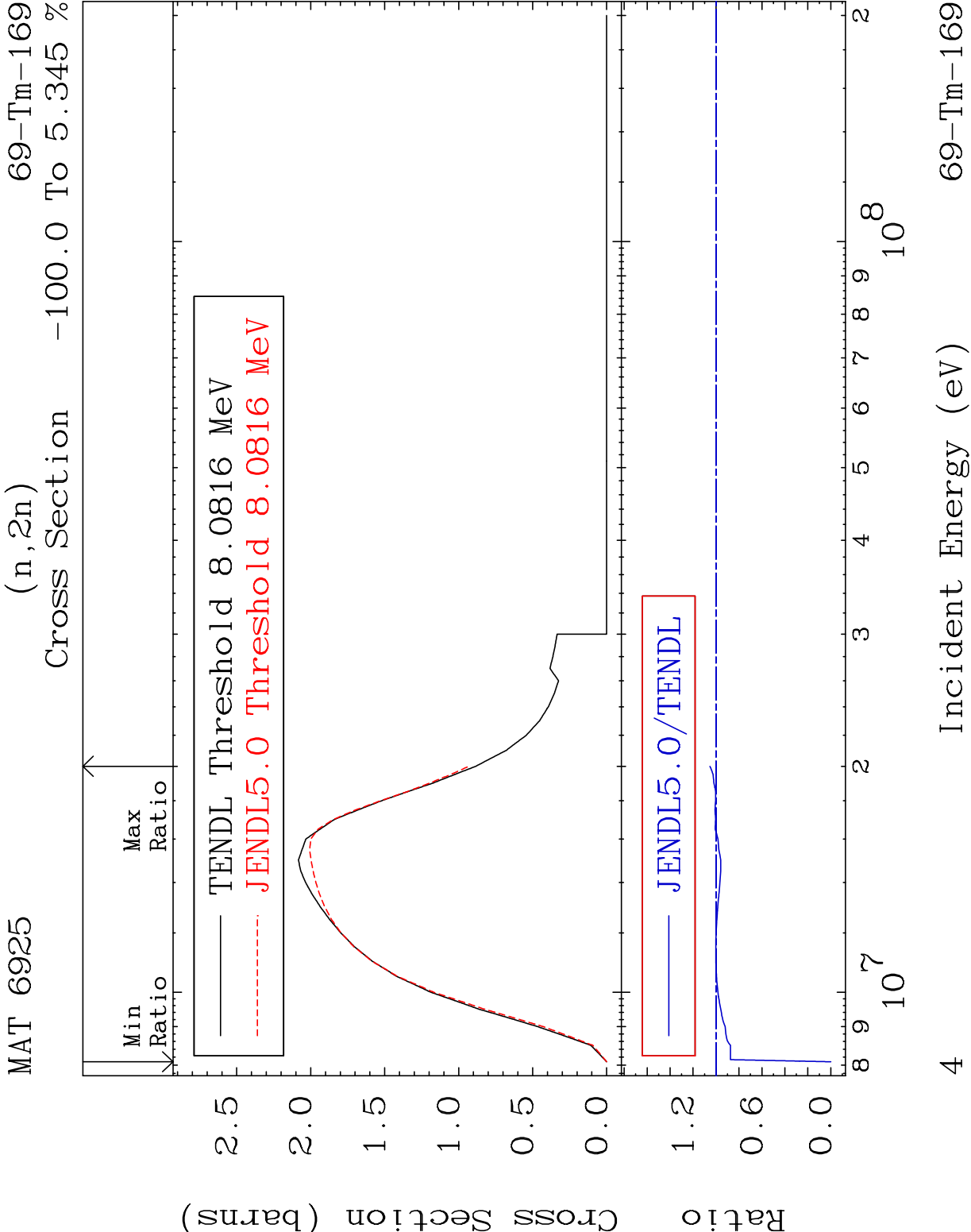
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

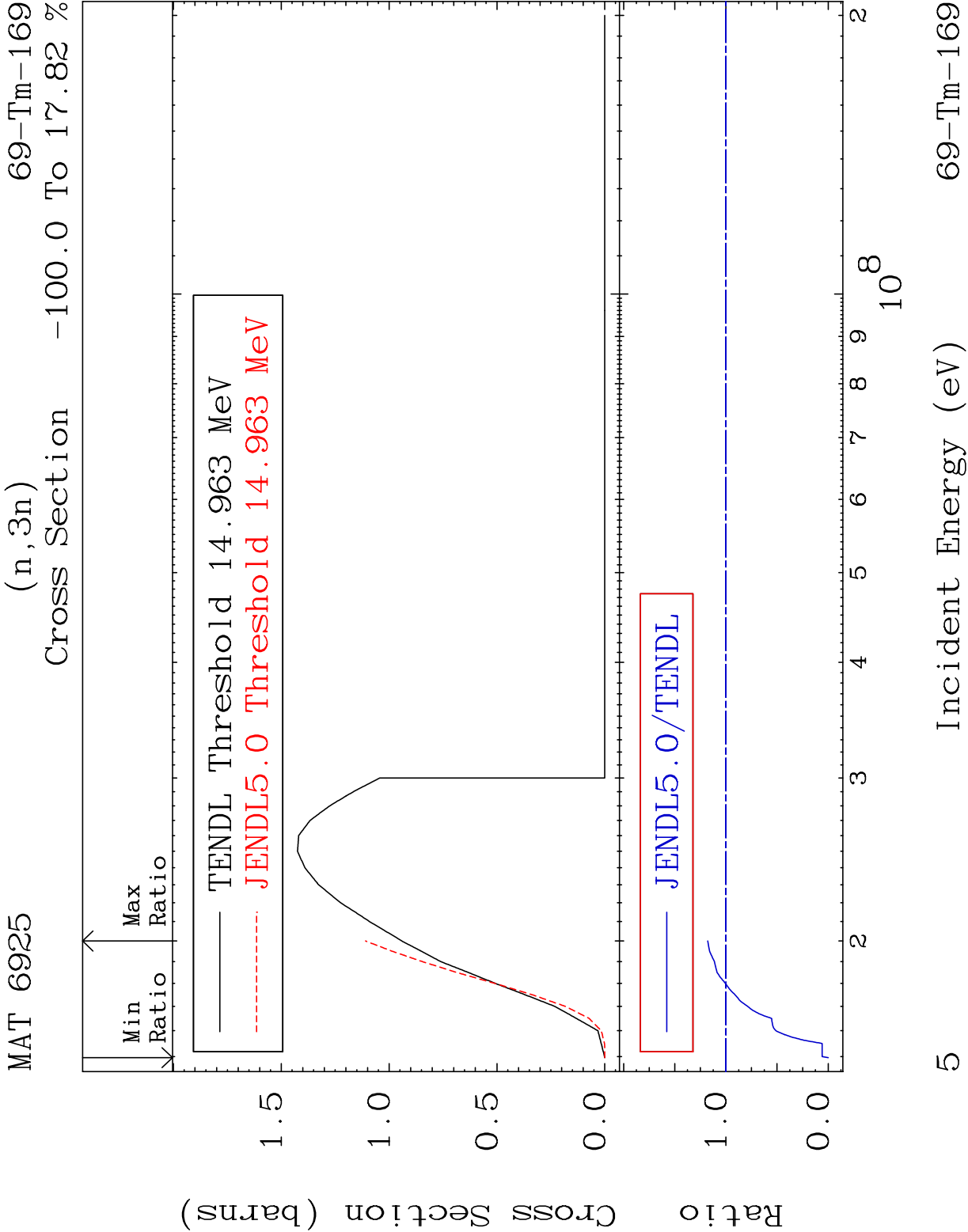
Press Mouse Button to Start

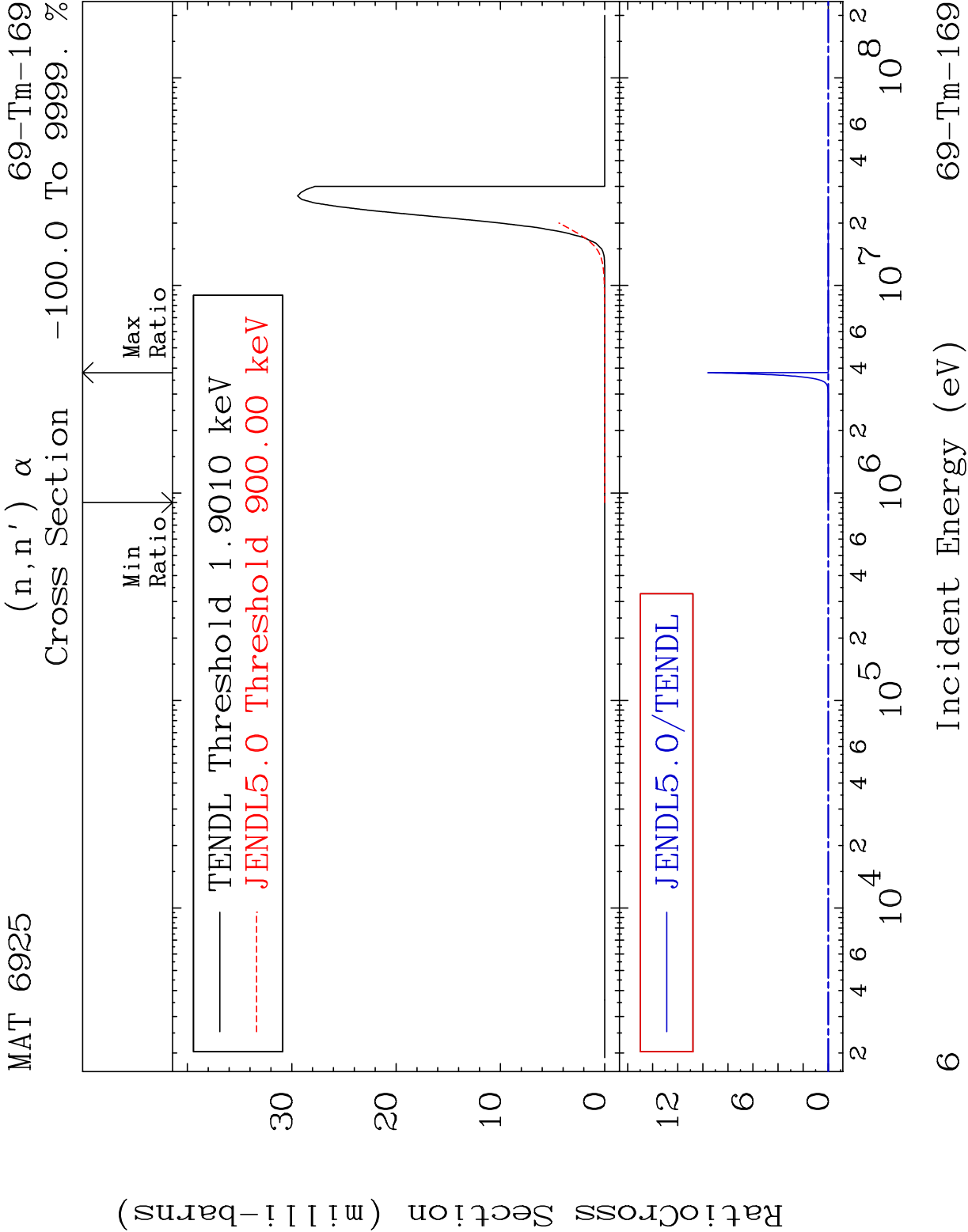


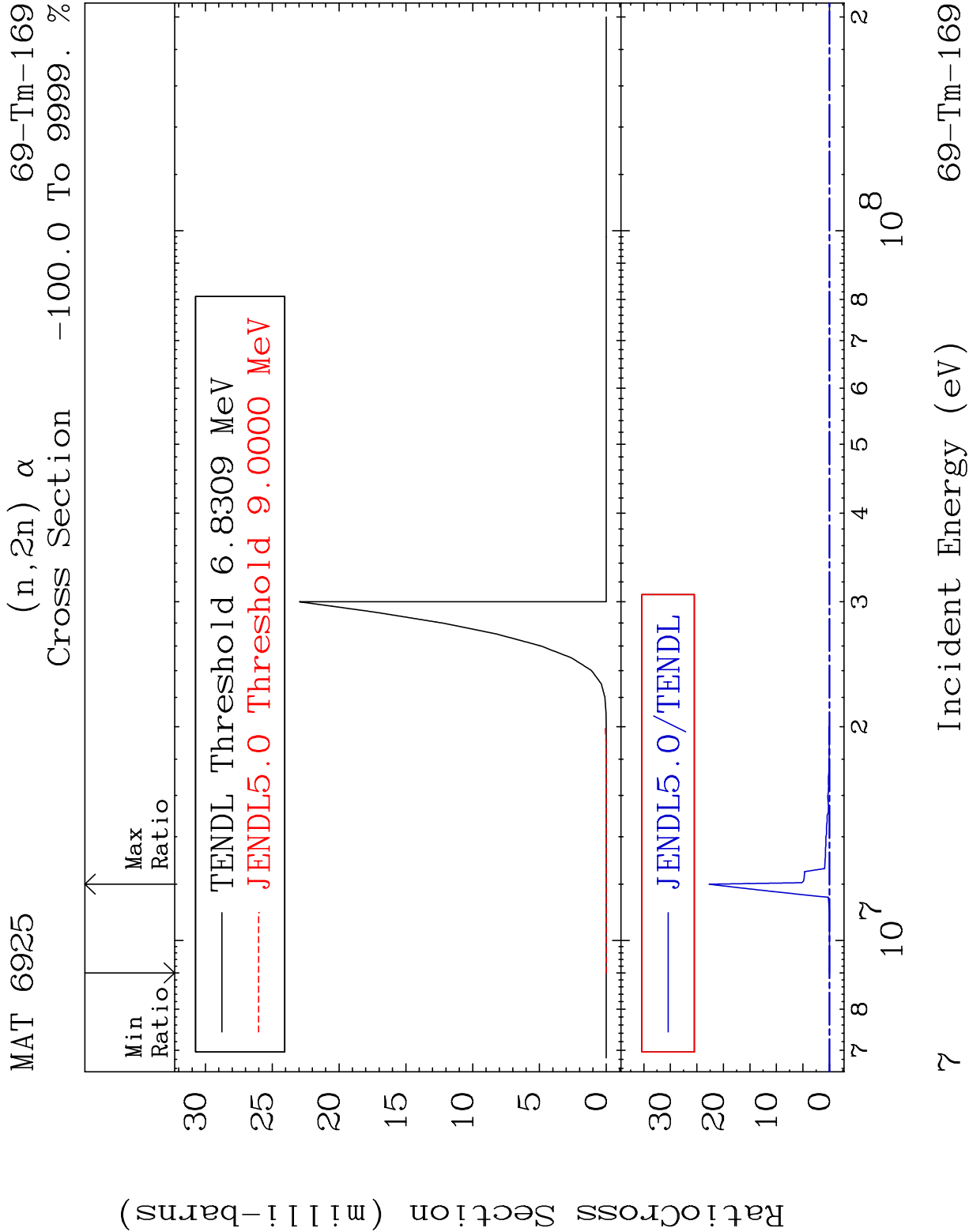










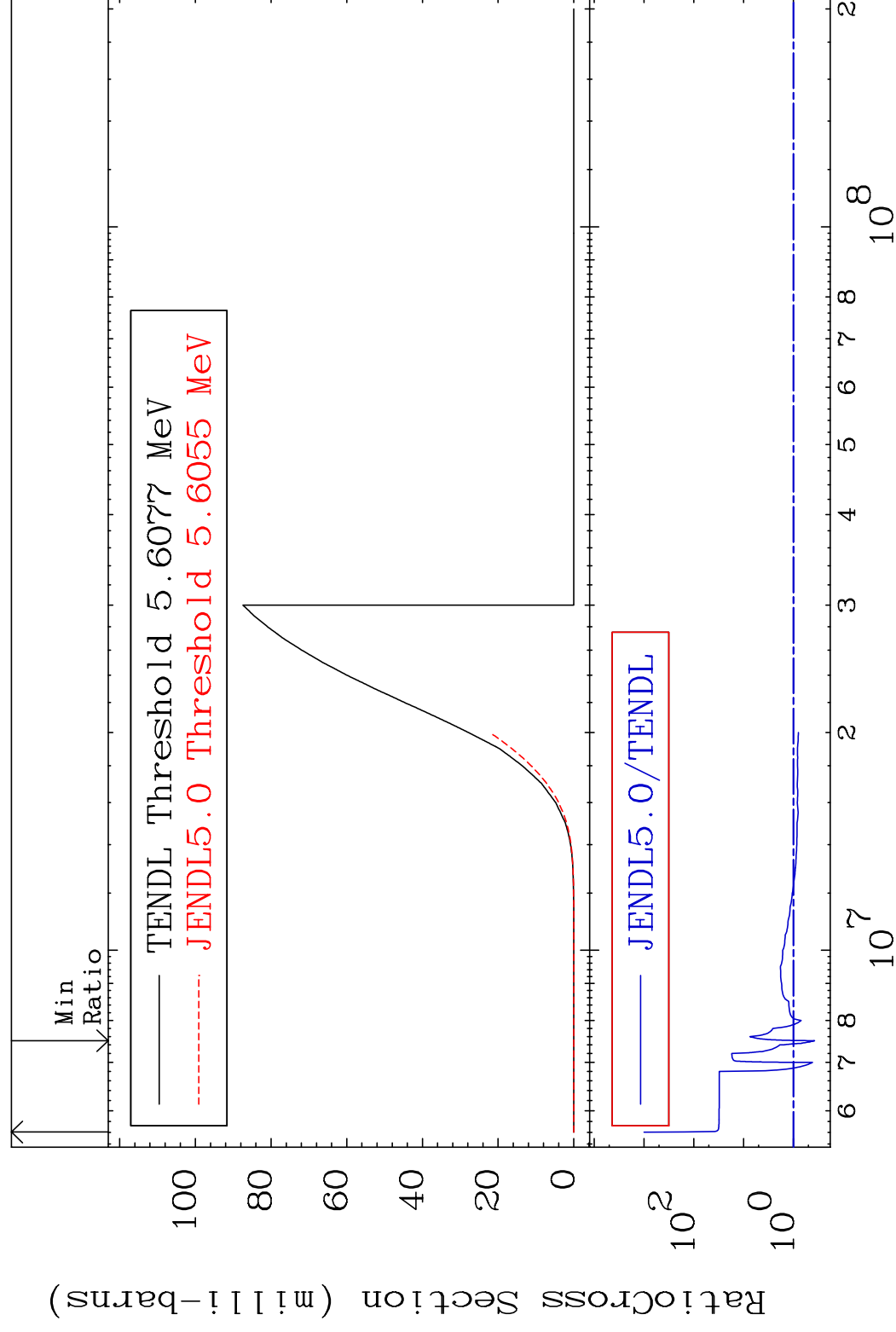


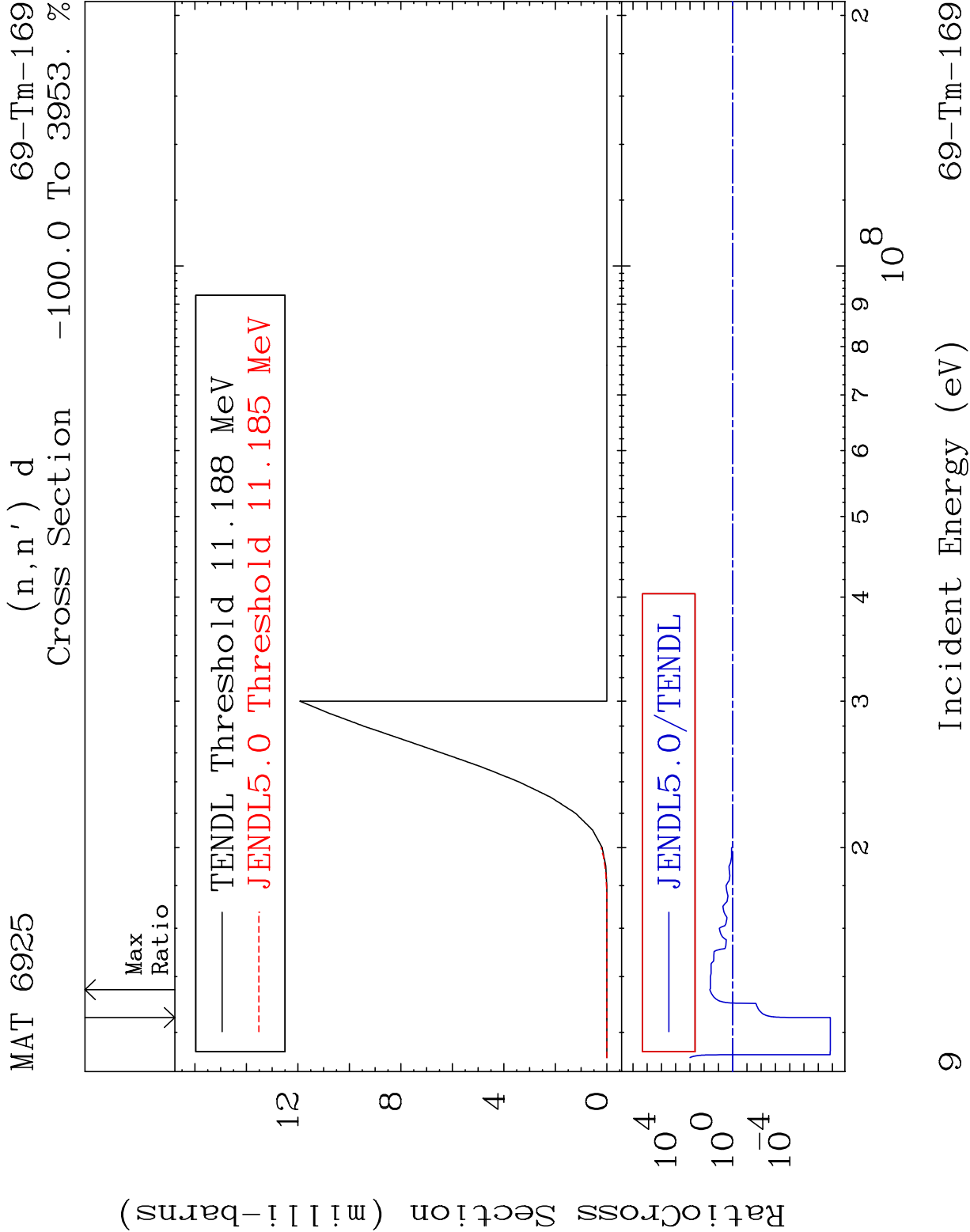
MAT 6925

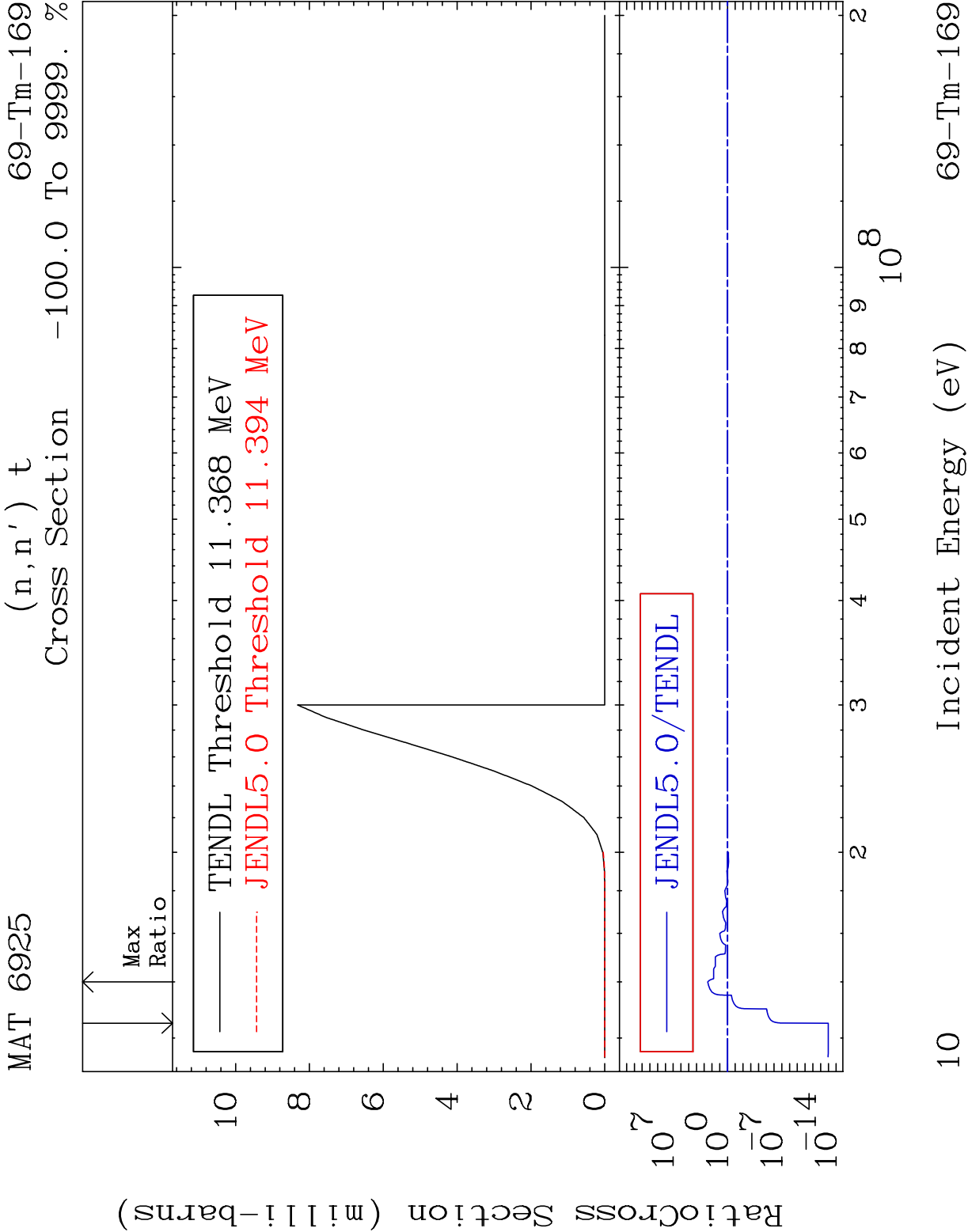
$$(n, n')$$

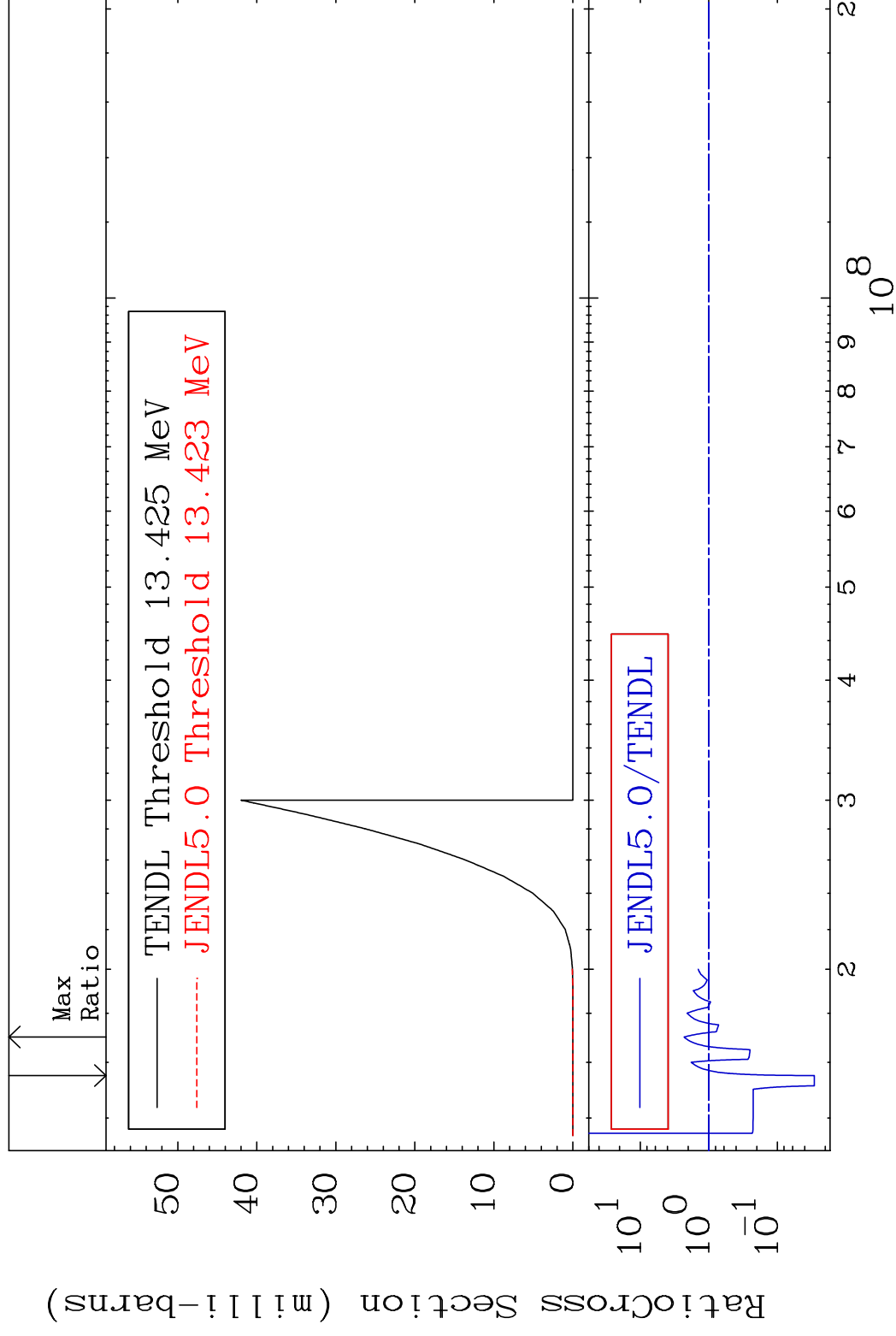
69-Tm-169

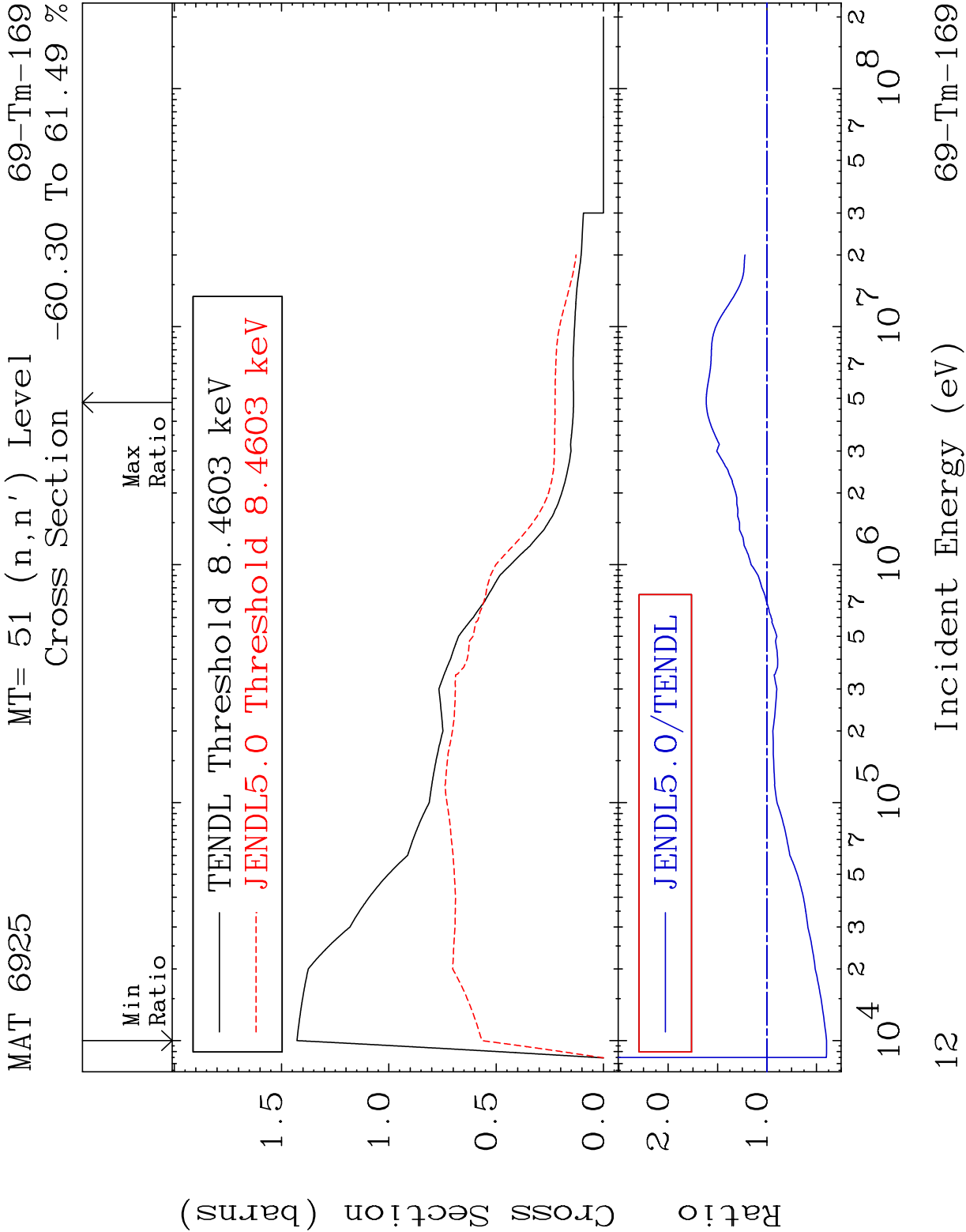
Cross Section -62.16 To 9999. %

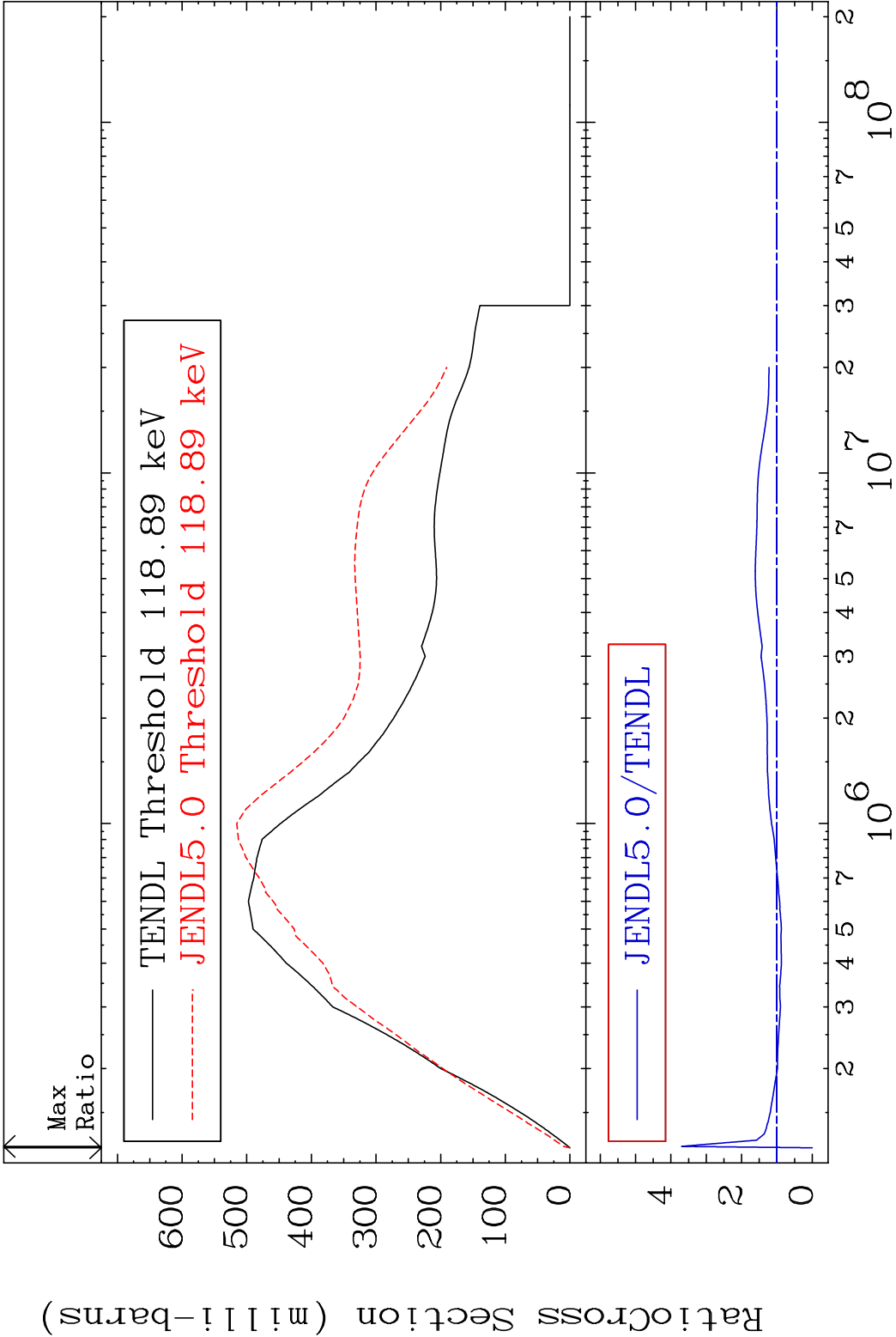




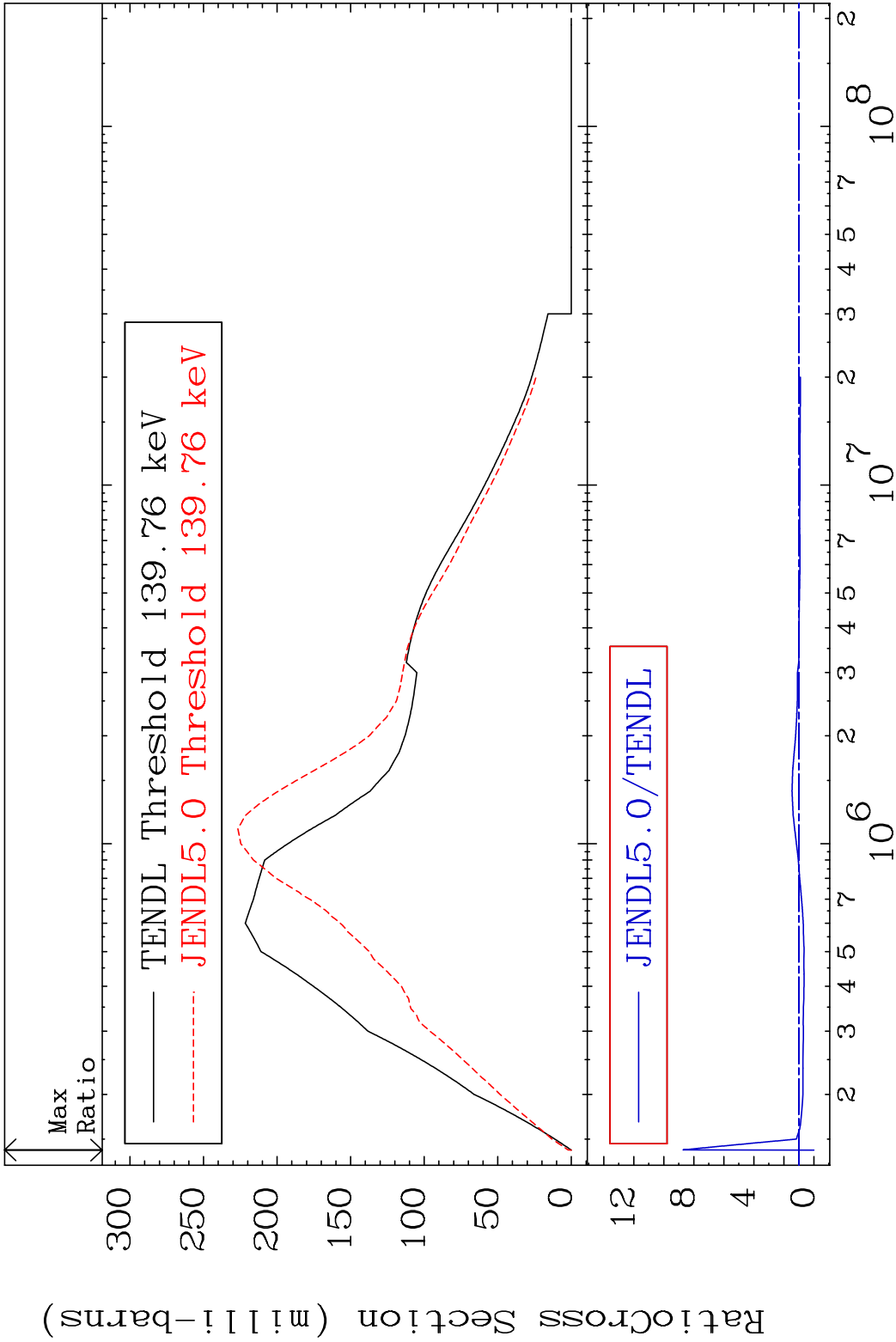




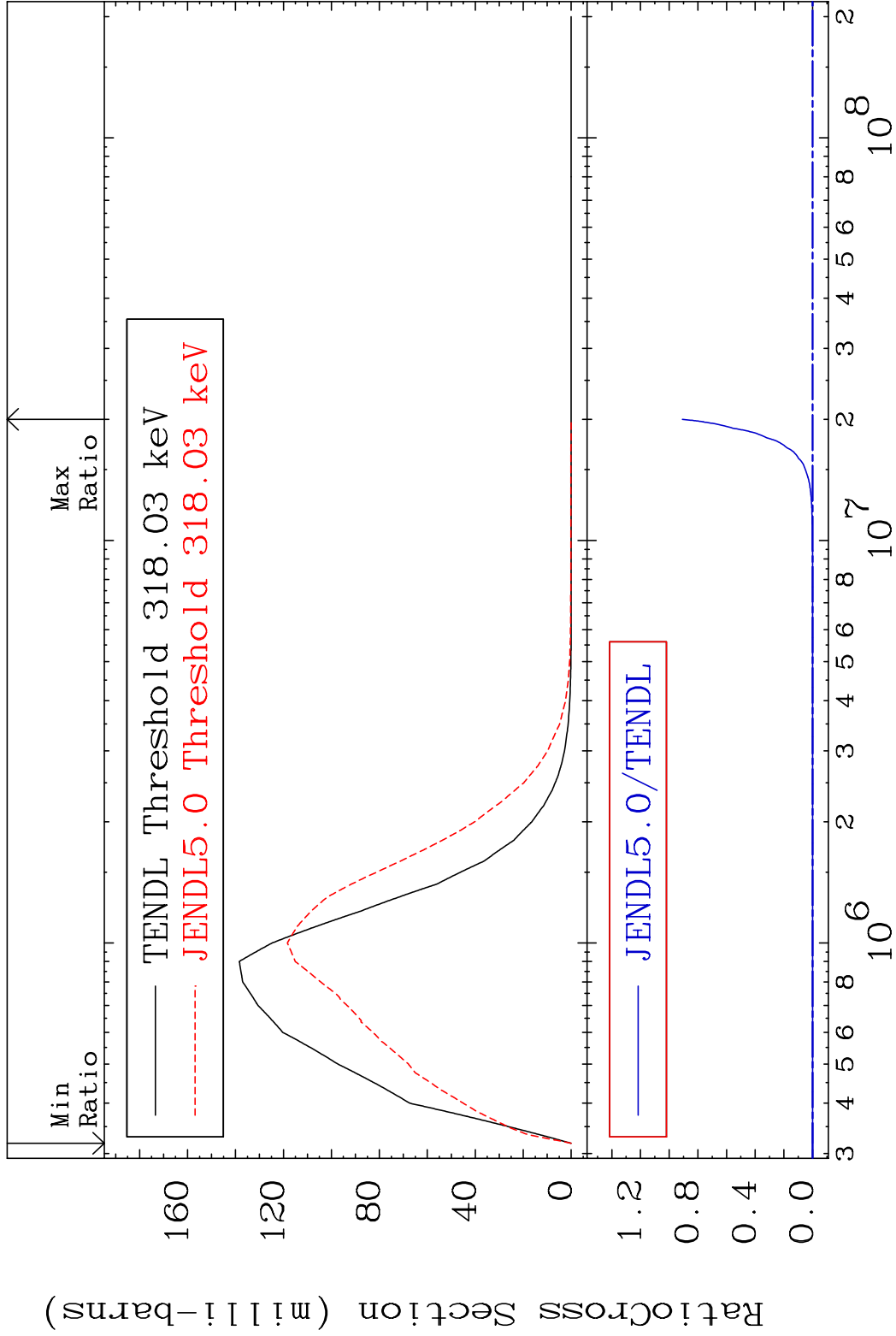




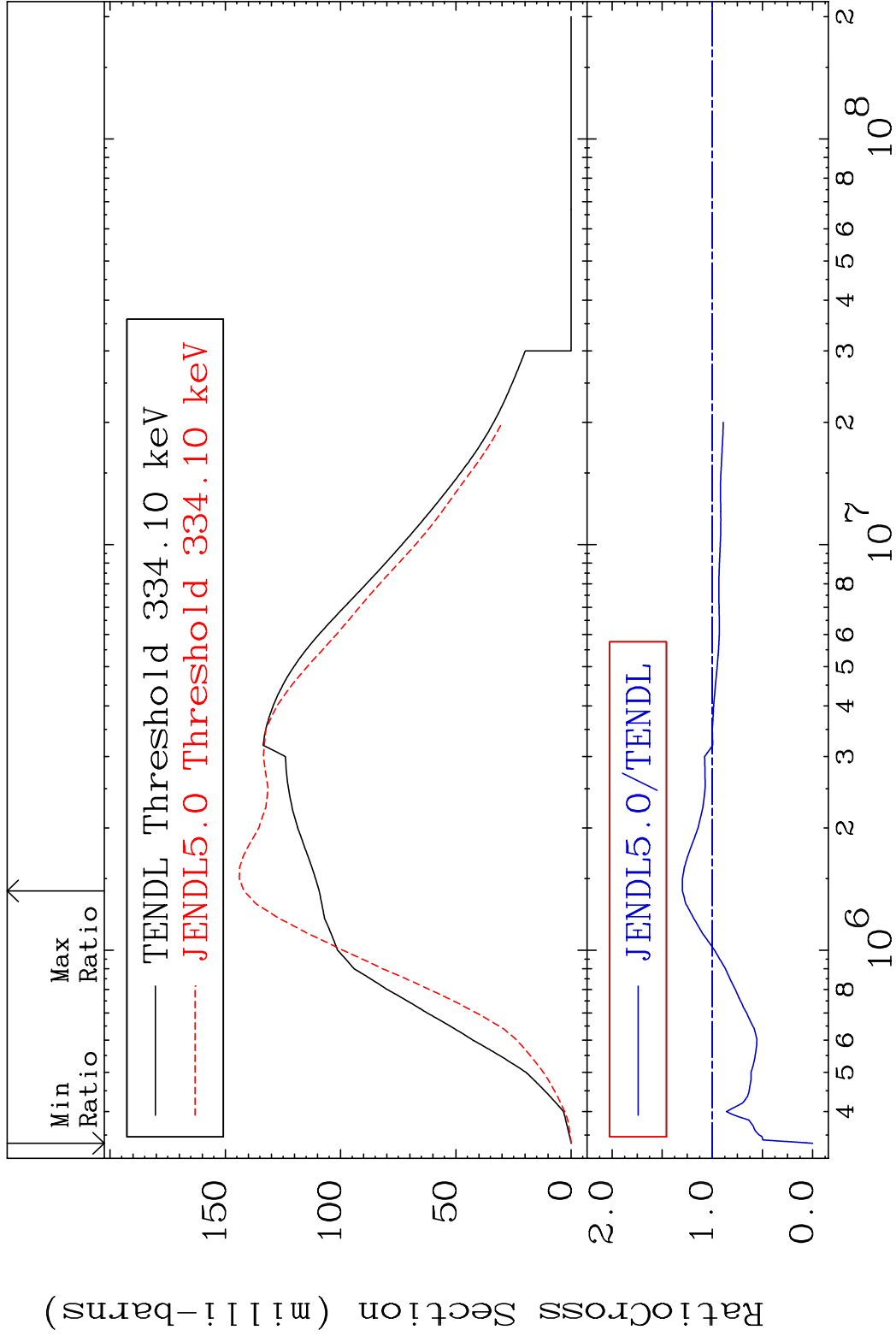
MAT 6925 MT= 53 (n,n') Level 69-Tm-169
 Cross Section -100.0 To 771.8 %

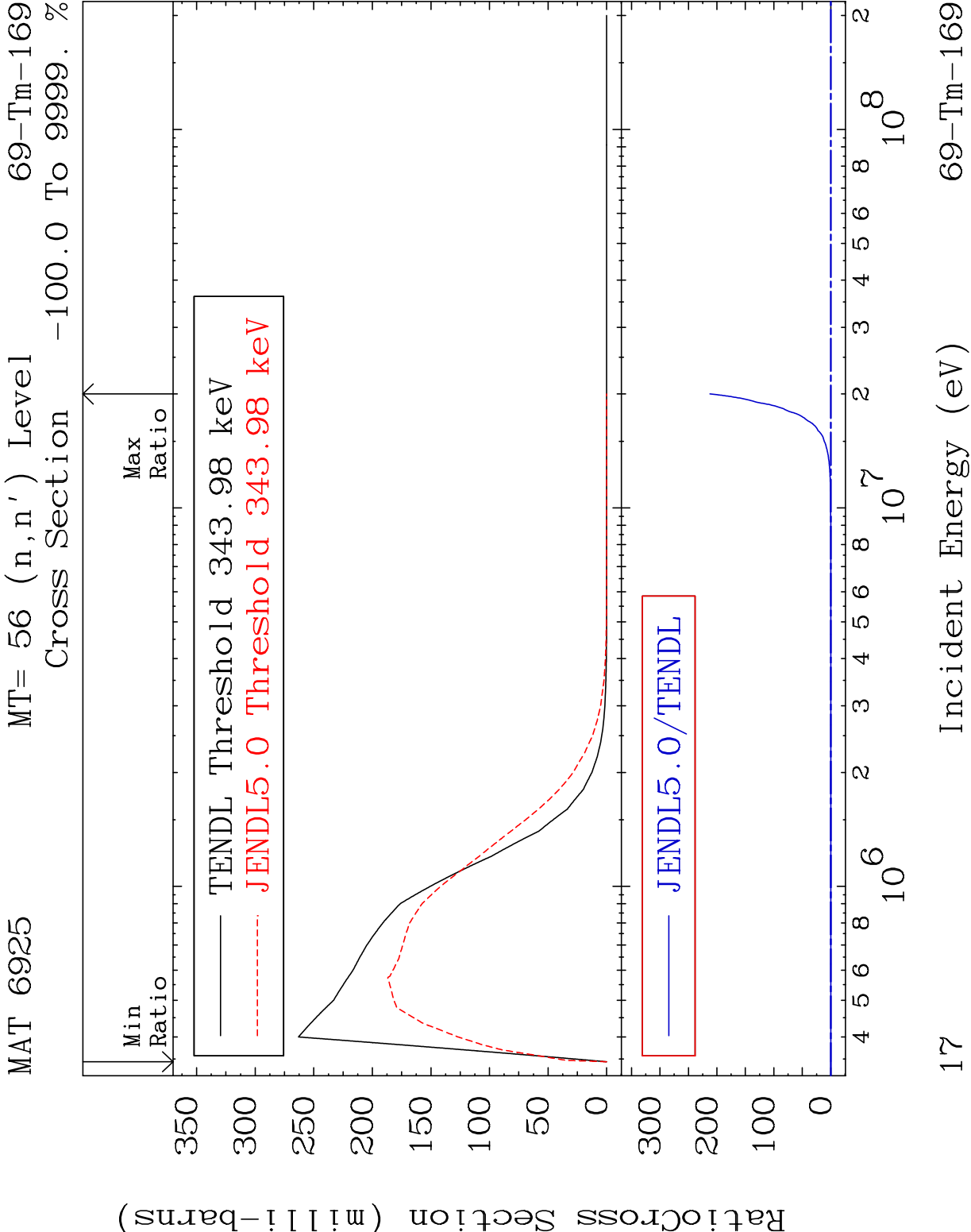


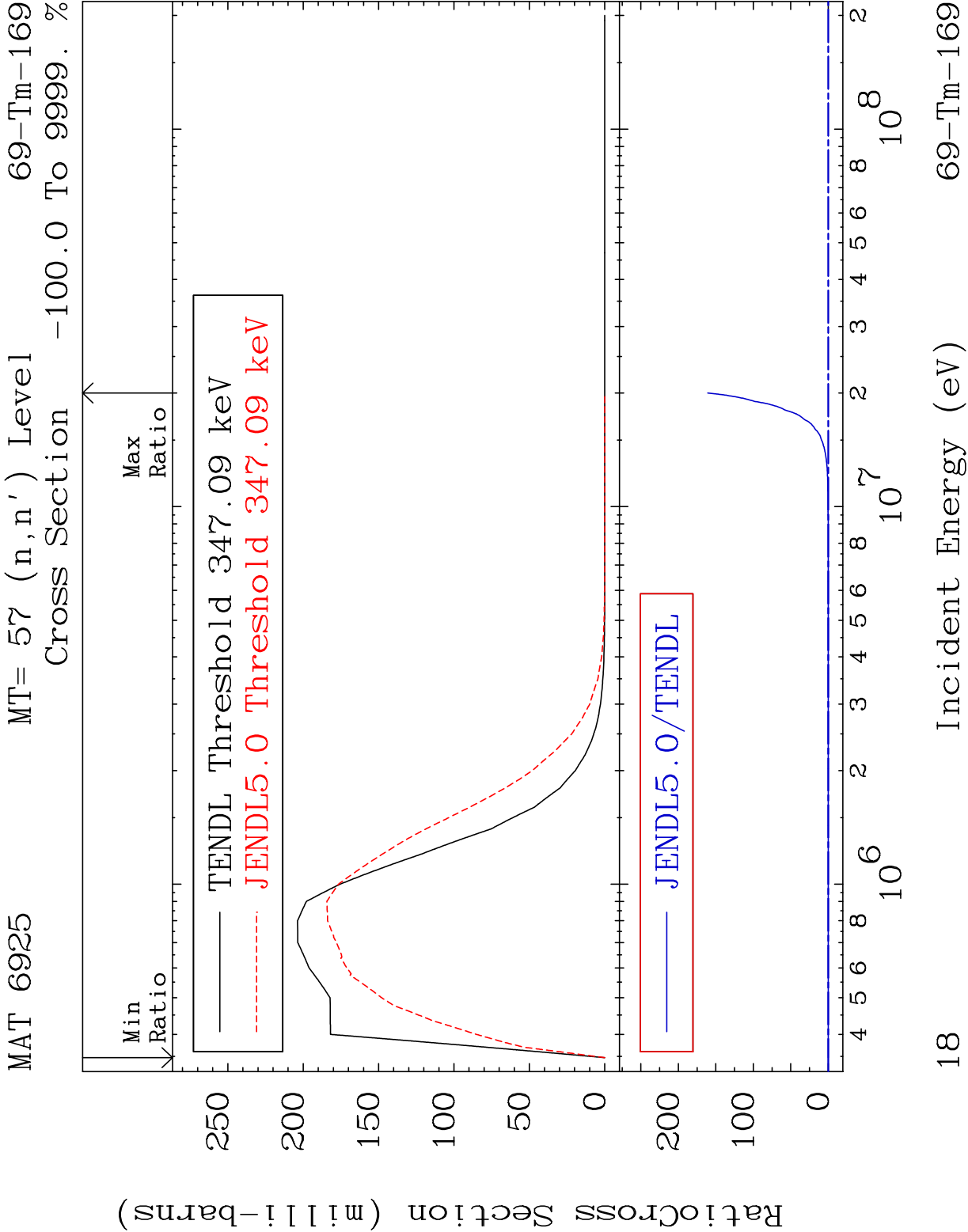
MAT 6925 MT= 54 (n,n') Level 69-Tm-169
Cross Section -100.0 To 9999. %



MAT 6925 MT= 55 (n,n') Level 69-Tm-169
Cross Section -100.0 To 29.88 %







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69-Tm-169

MAT 6925

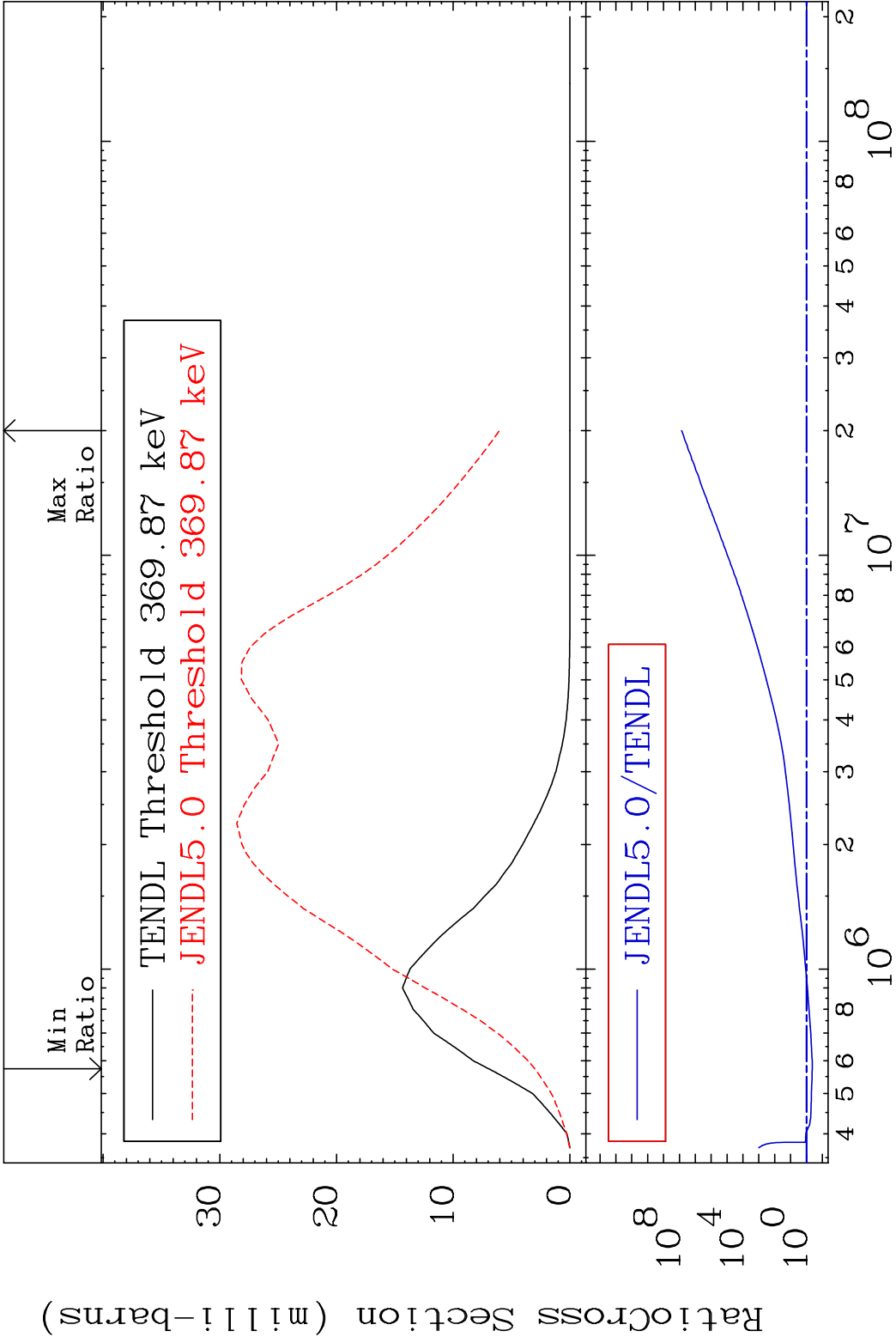
MT= 58 (n,n')

Level

69-Tm-169

Cross Section

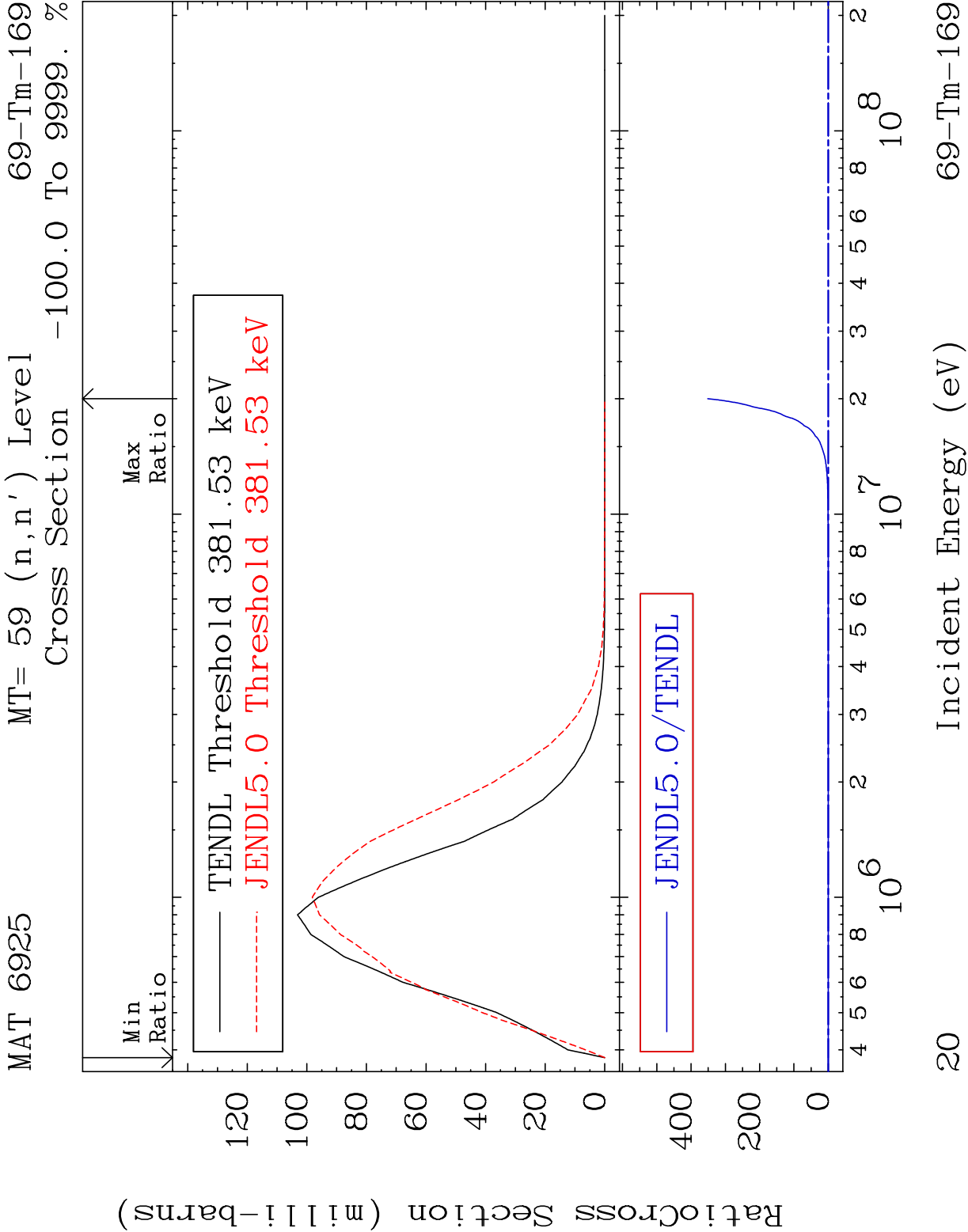
-56.79 To 9999. %



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Incident Energy (eV)

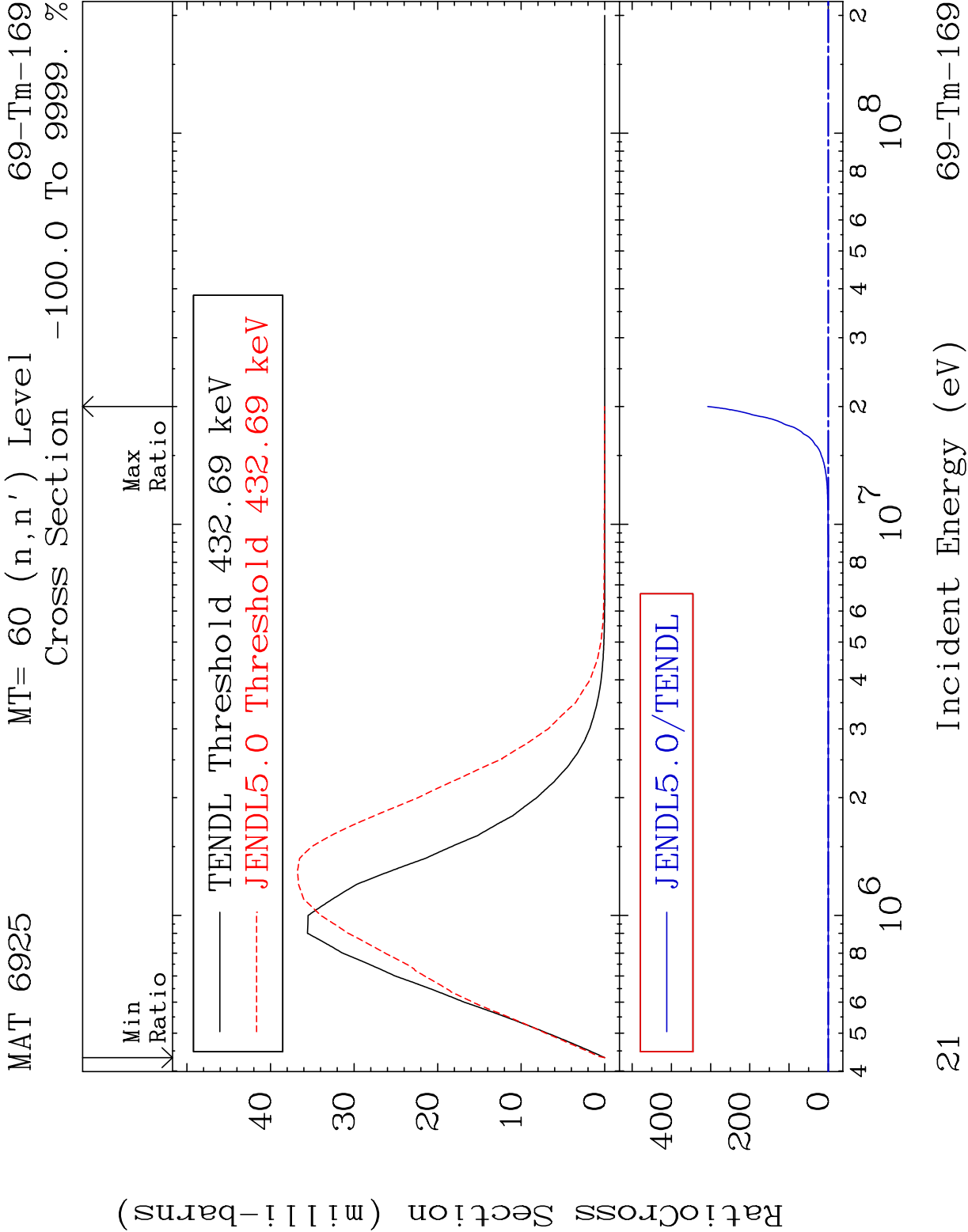
69-Tm-169

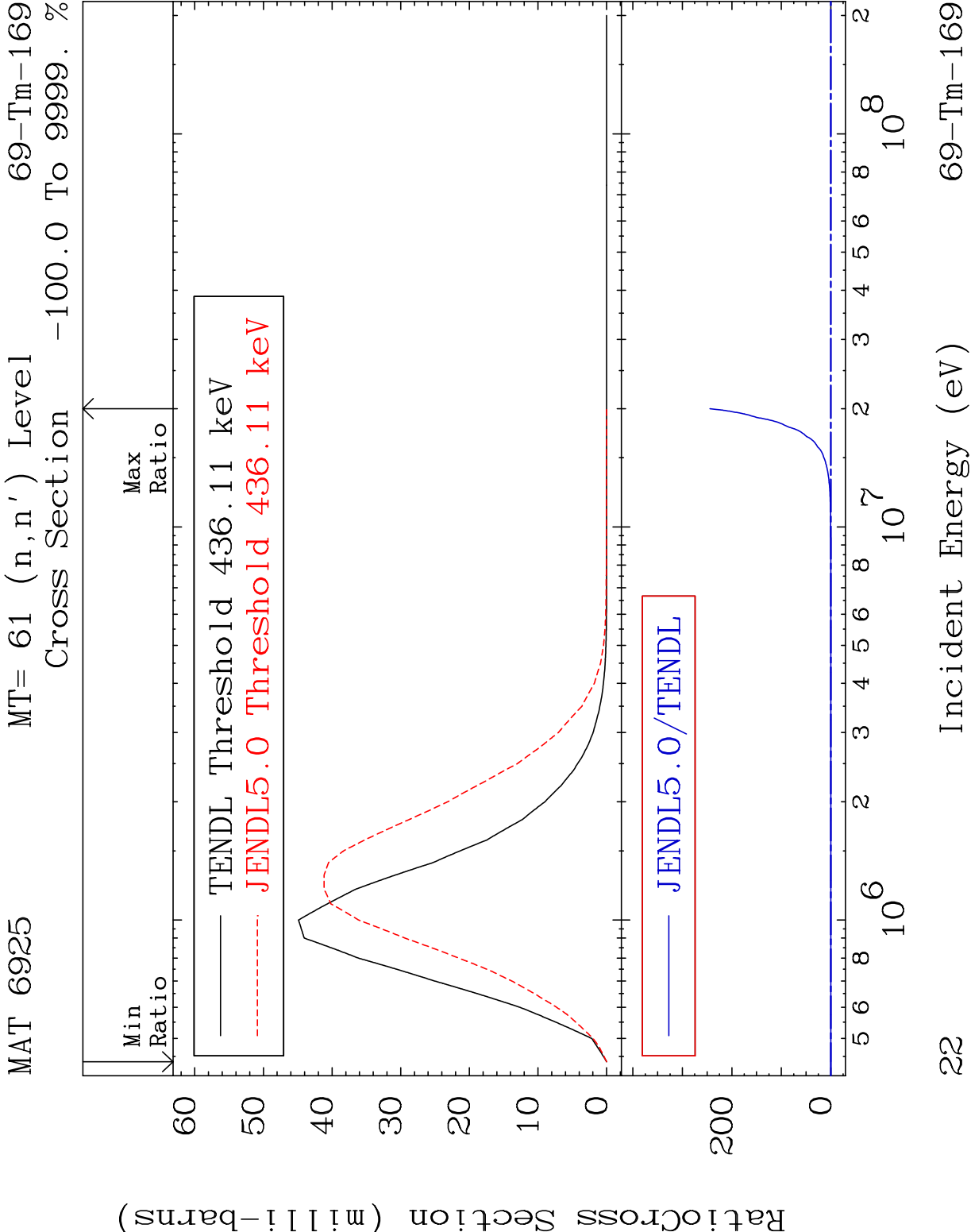


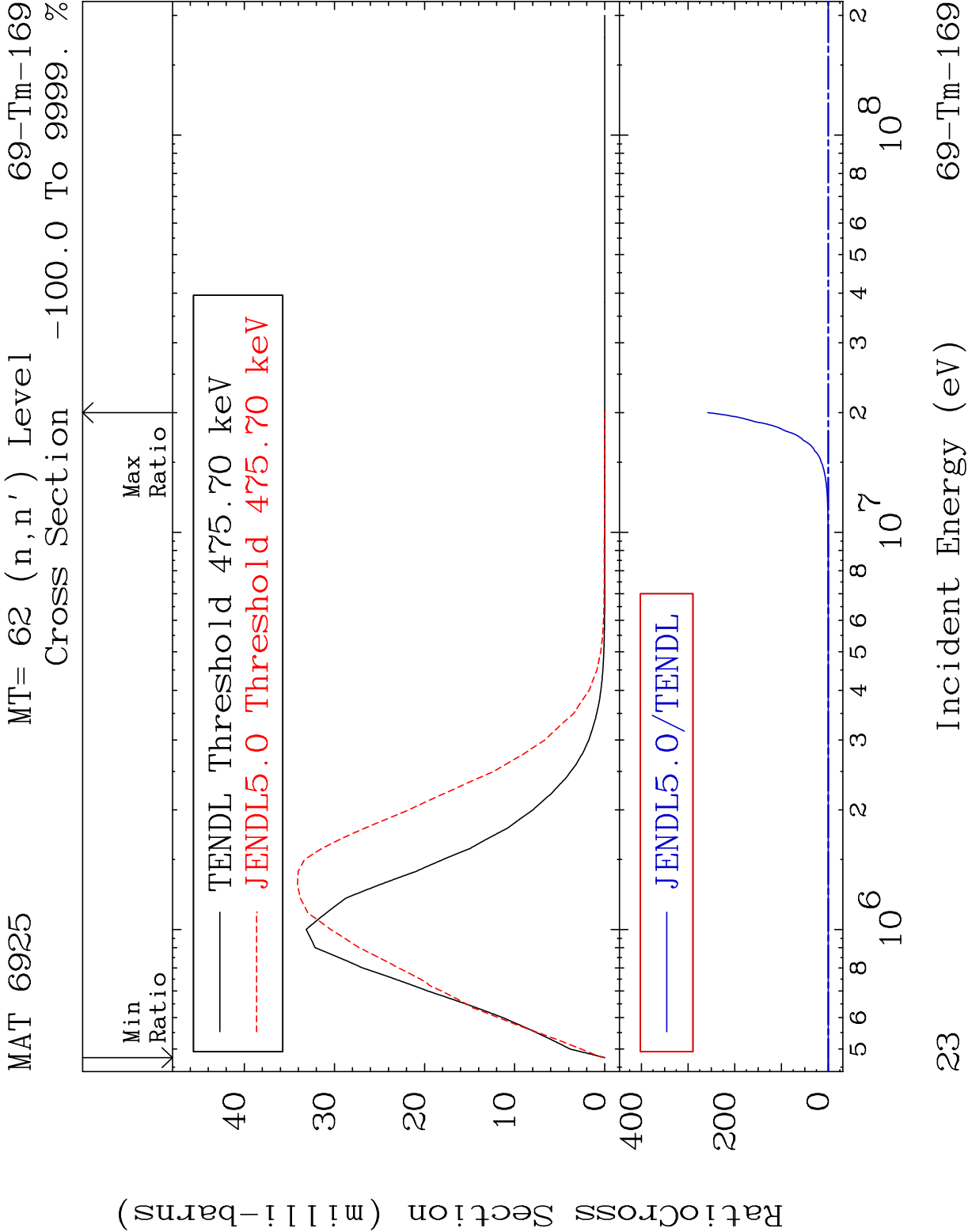
20

Incident Energy (eV)

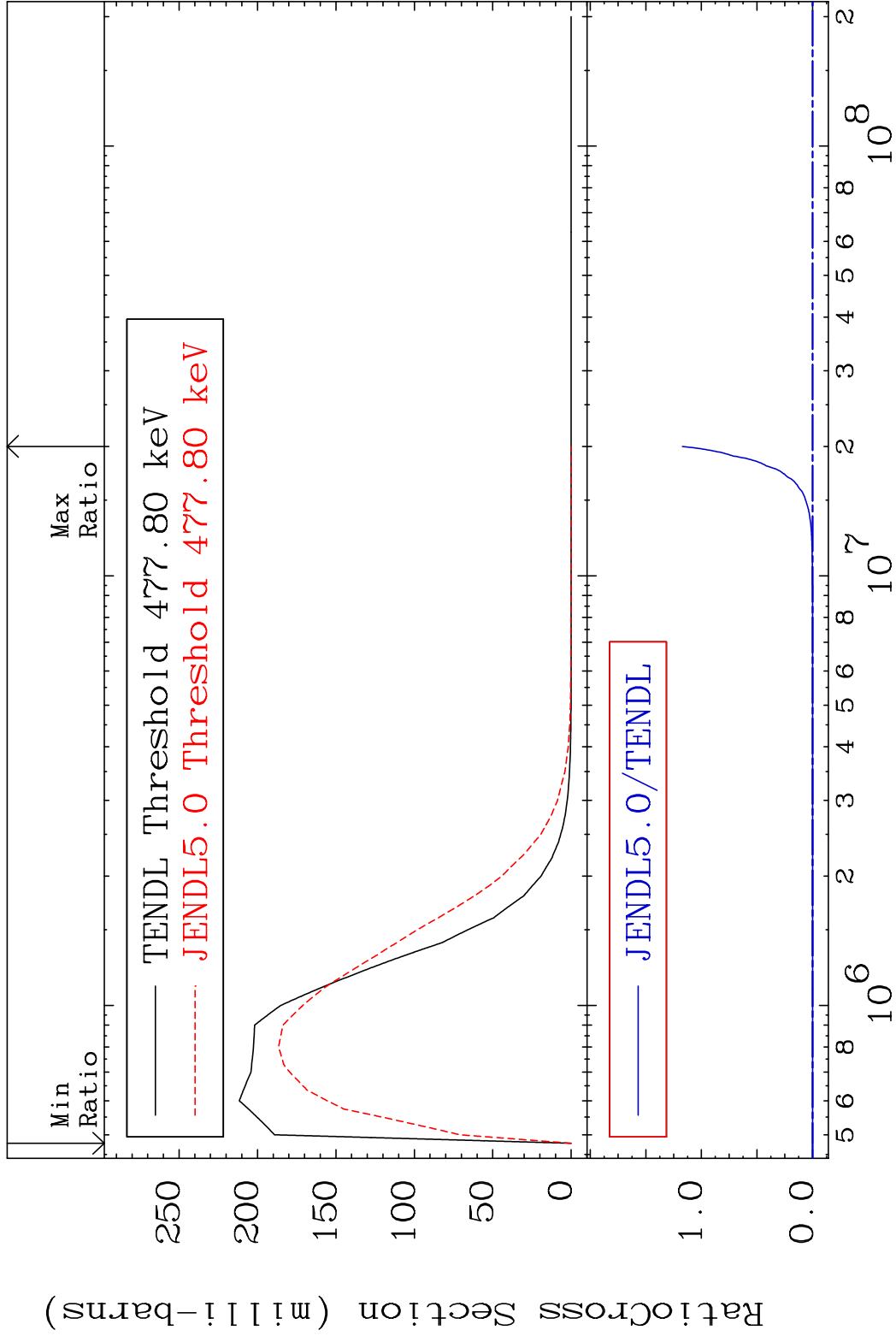
69-Tm-169

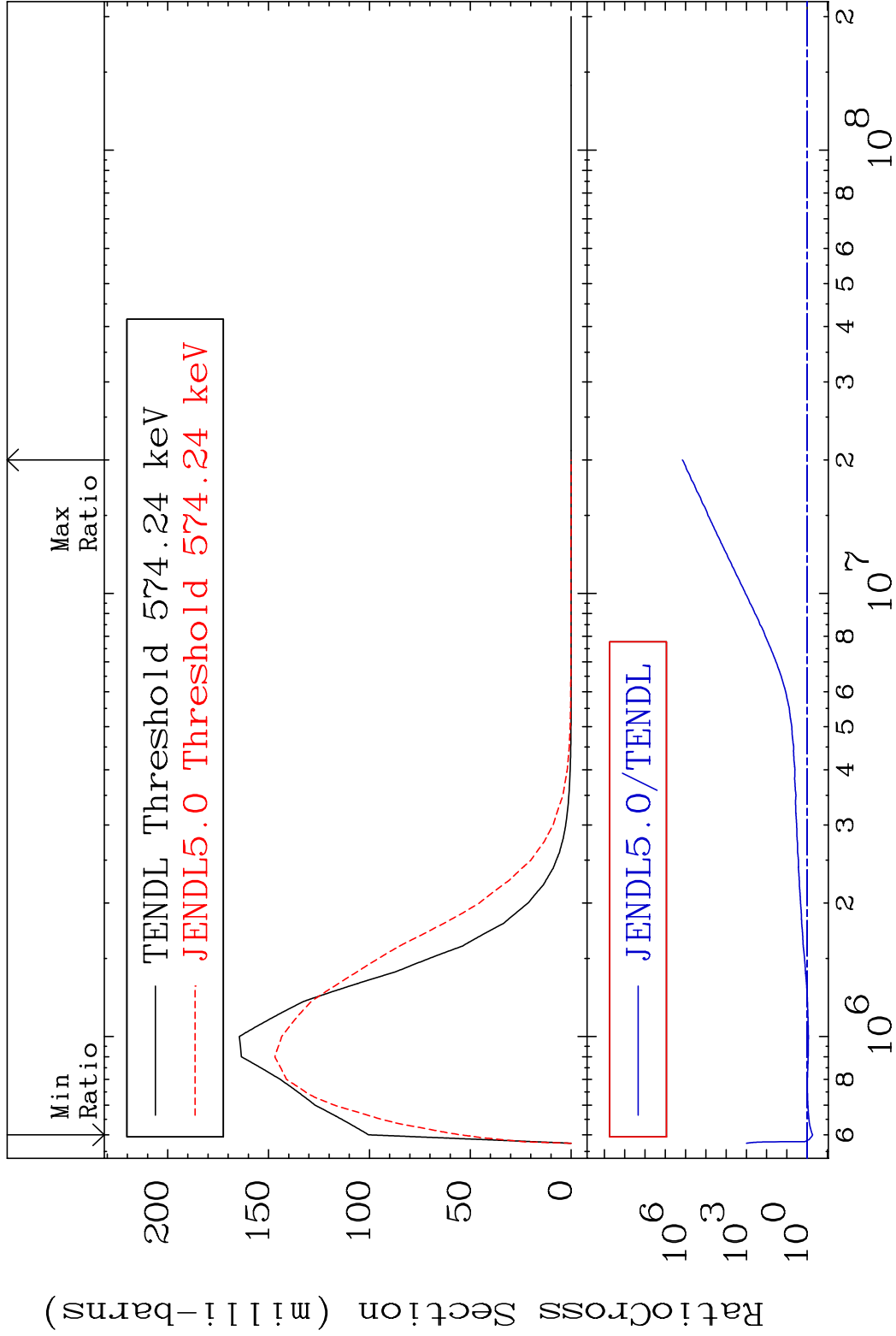


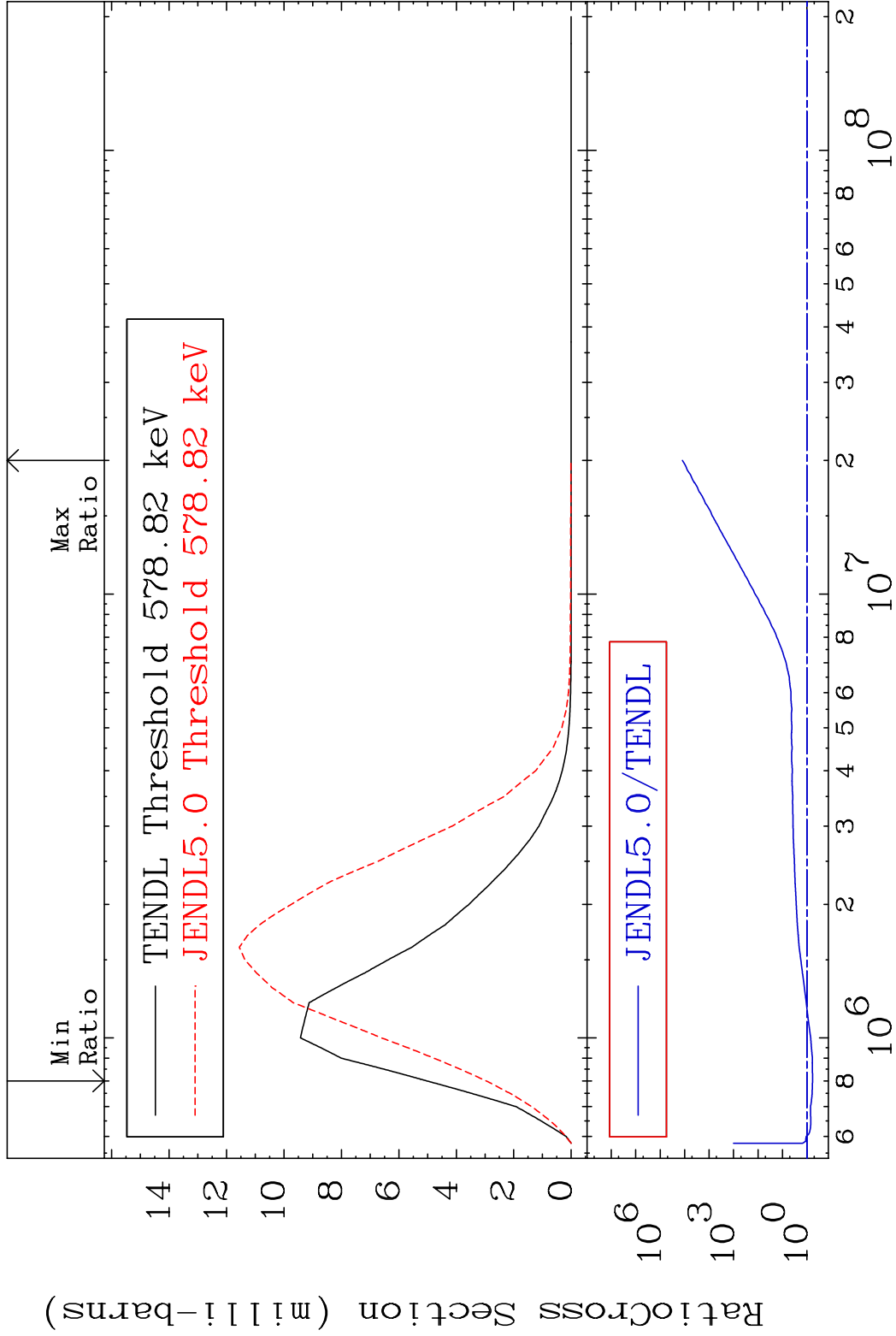




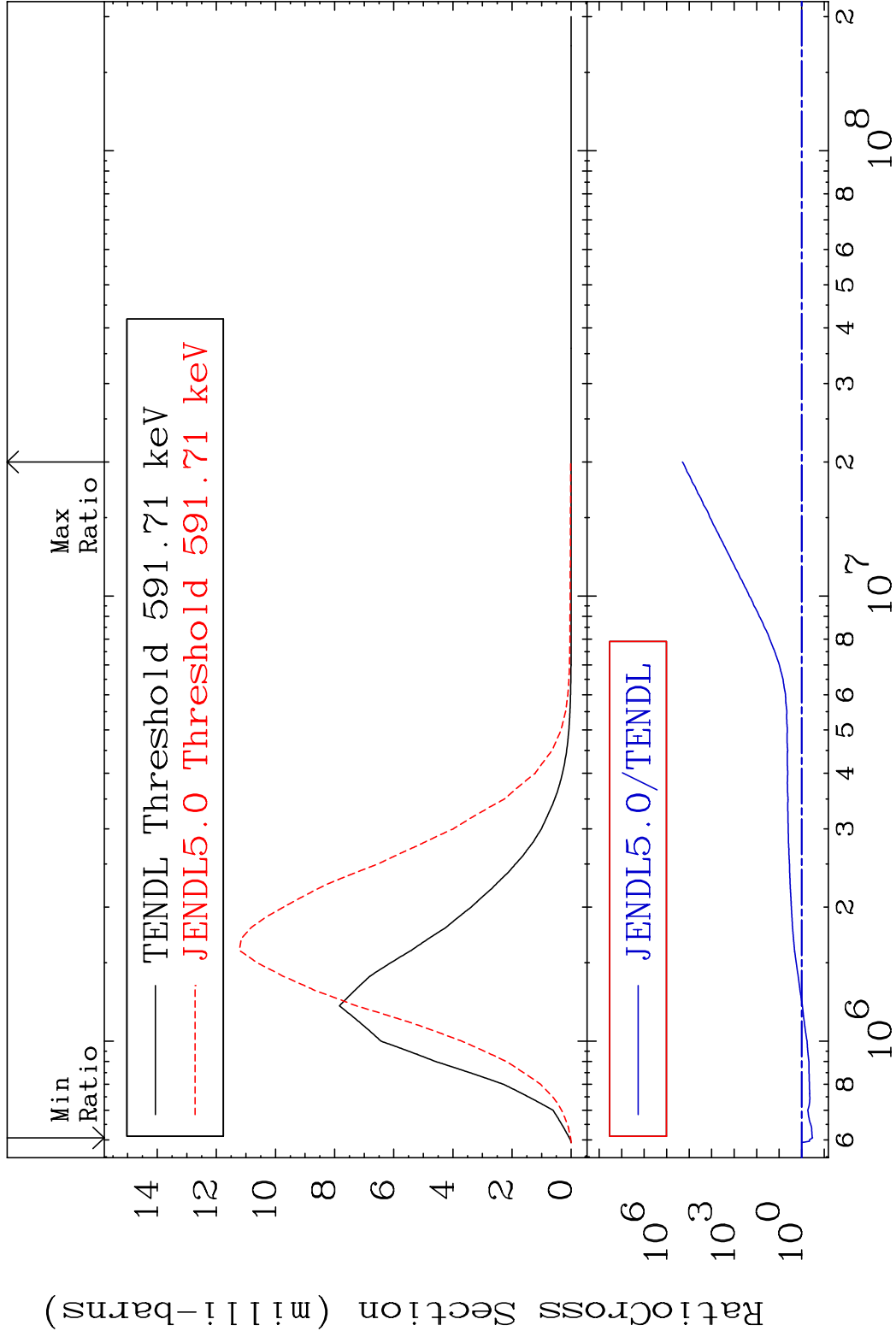
MAT 6925 MT= 63 (n,n') Level 69-Tm-169
Cross Section -100.0 To 9999. %





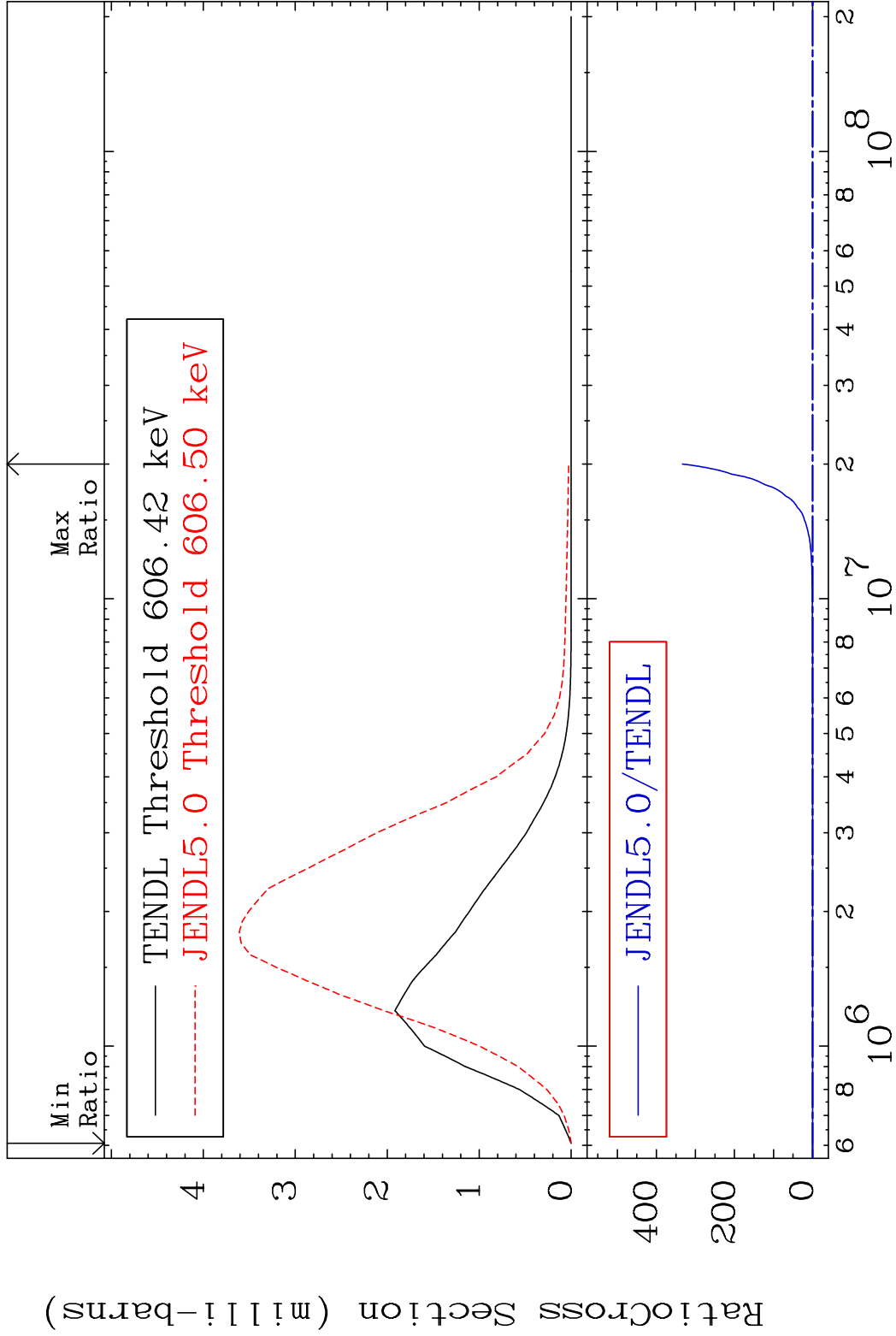


MAT 6925 MT= 66 (n,n') Level 69-Tm-169
Cross Section -67.23 To 9999. %



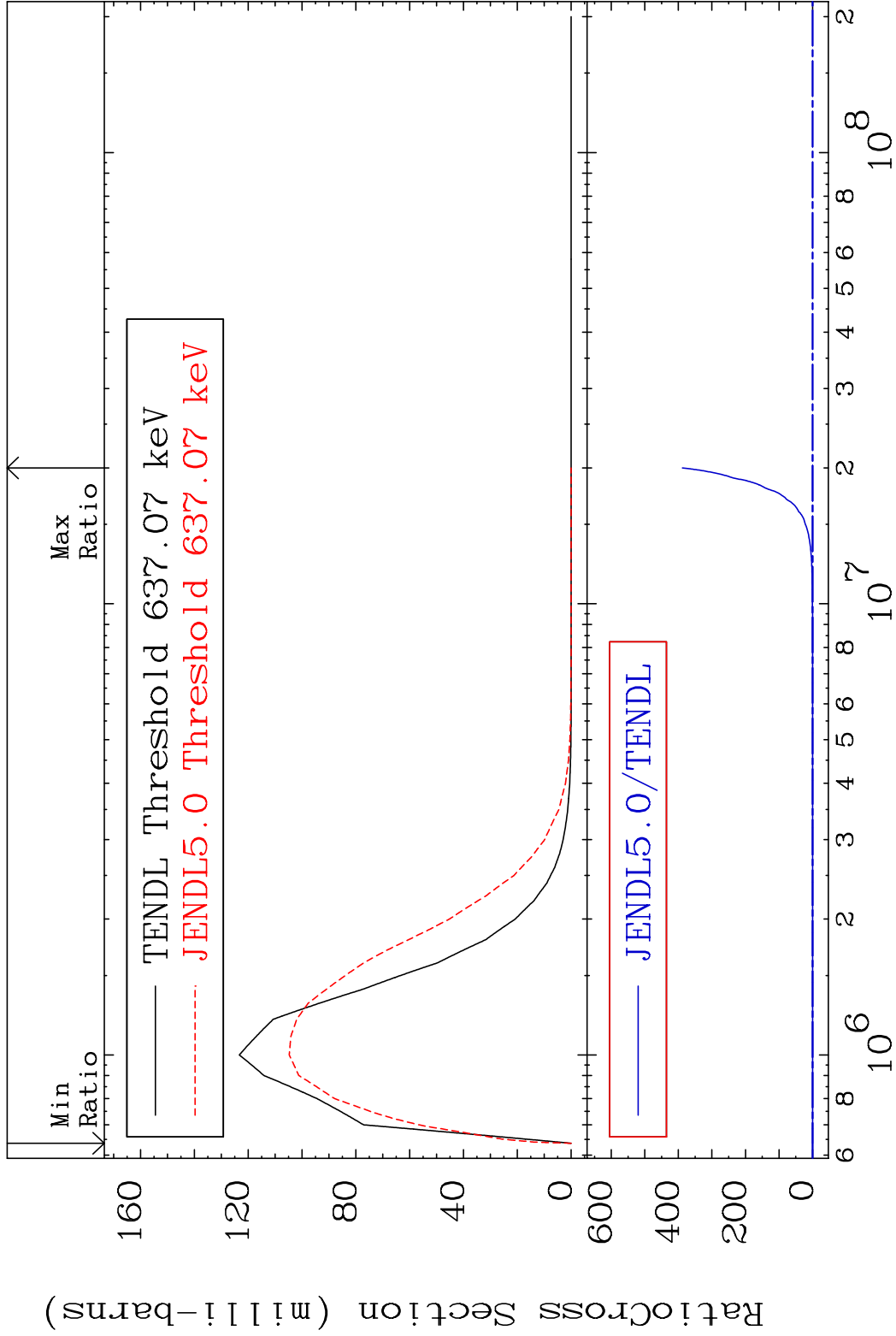
MAT 6925 MT= 67 (n,n') Level 69-Tm-169

Cross Section -100.0 To 9999. %

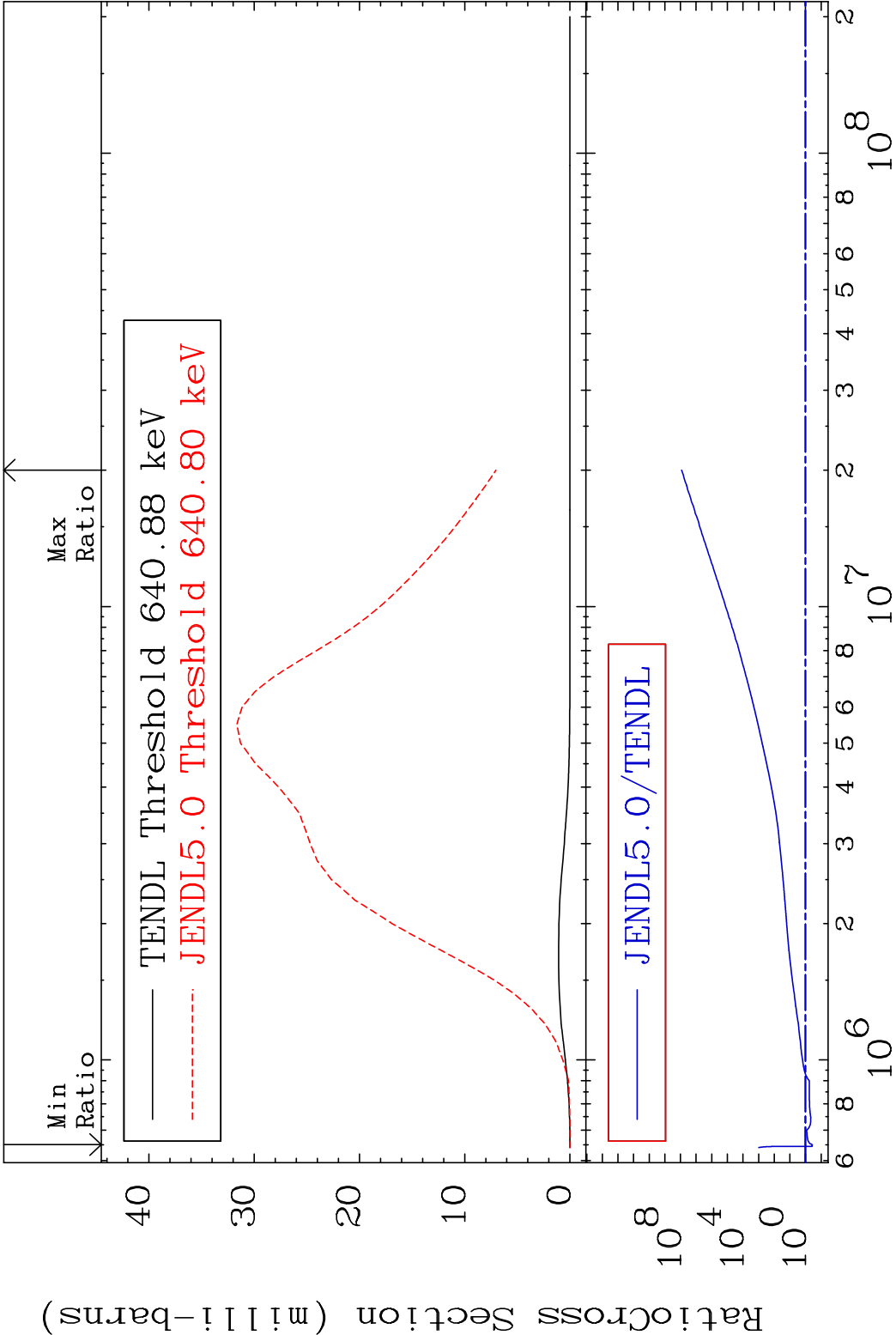


28 Incident Energy (eV) 69-Tm-169

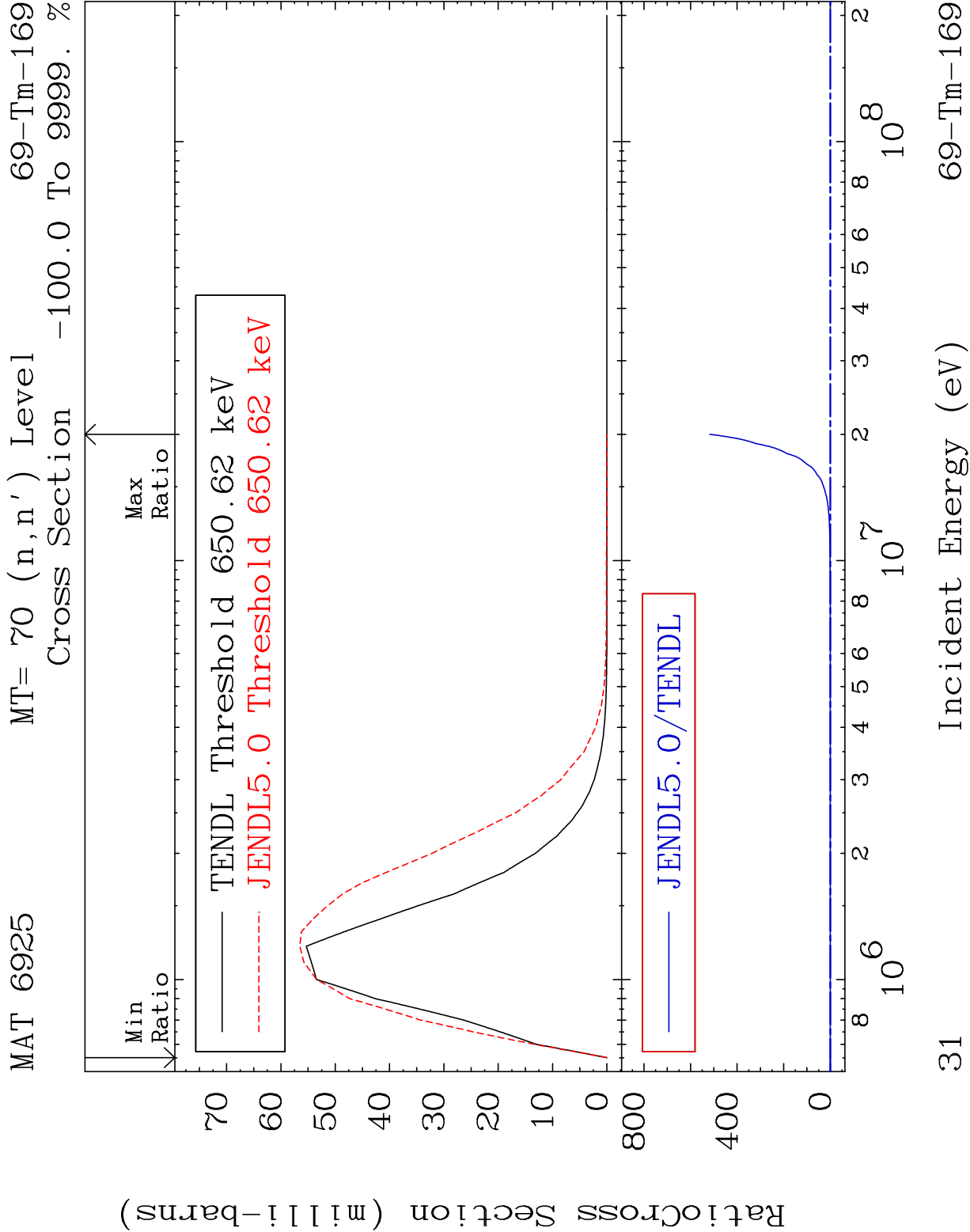
MAT 6925 MT= 68 (n,n') Level 69-Tm-169
Cross Section -100.0 To 9999. %

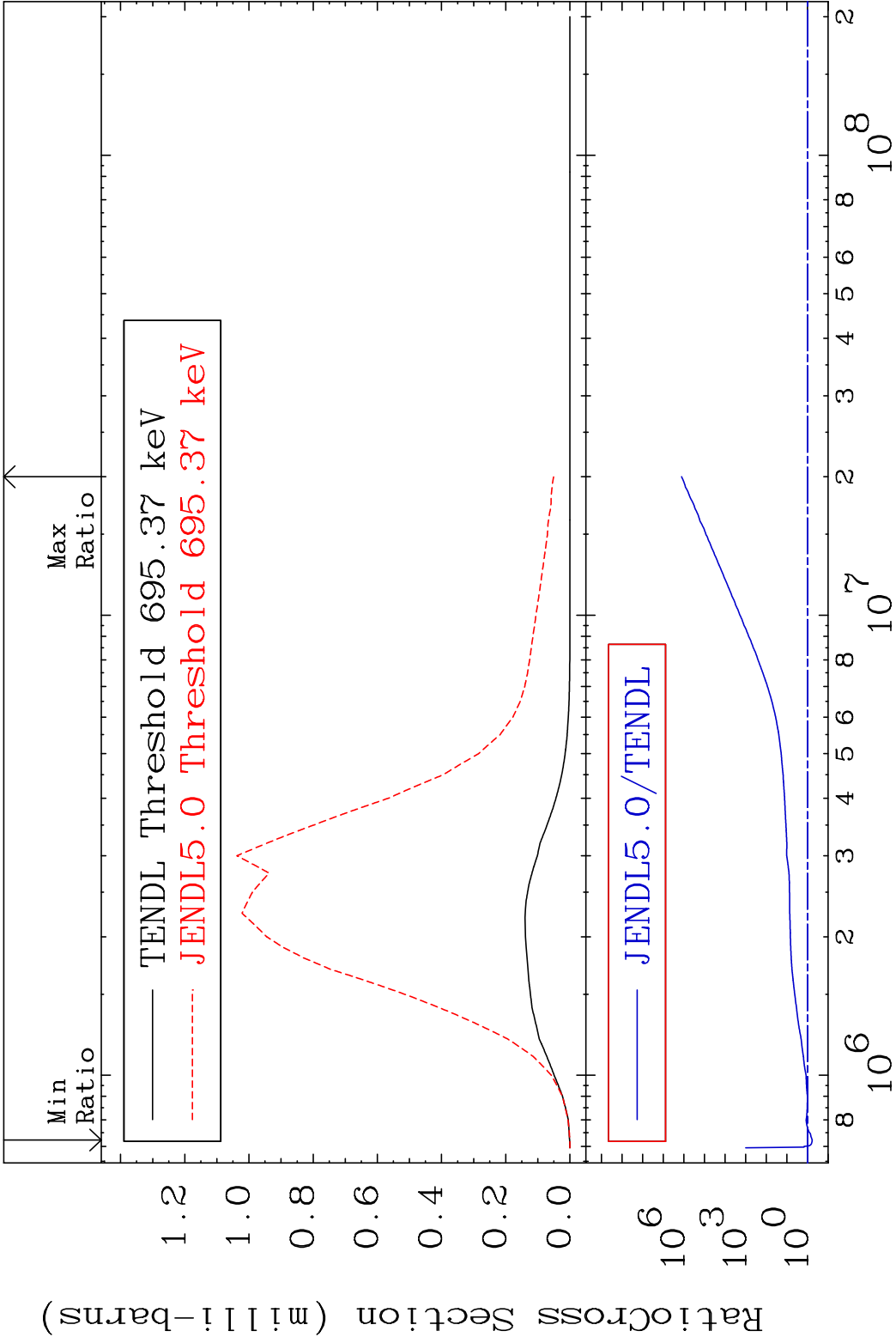


MAT 6925 MT= 69 (n,n') Level 69-Tm-169
Cross Section -62.84 To 9999. %

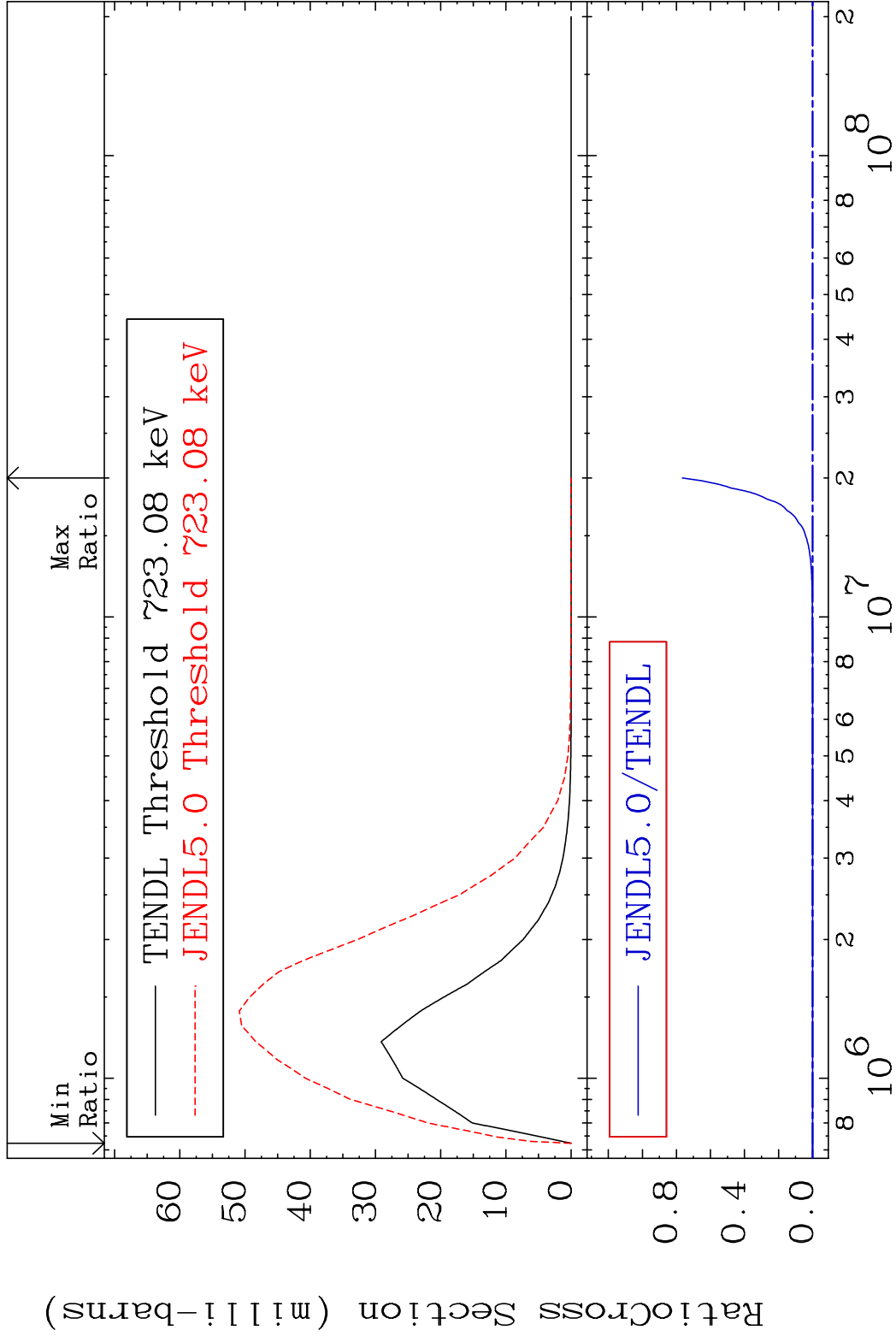


30 Incident Energy (eV) 69-Tm-169

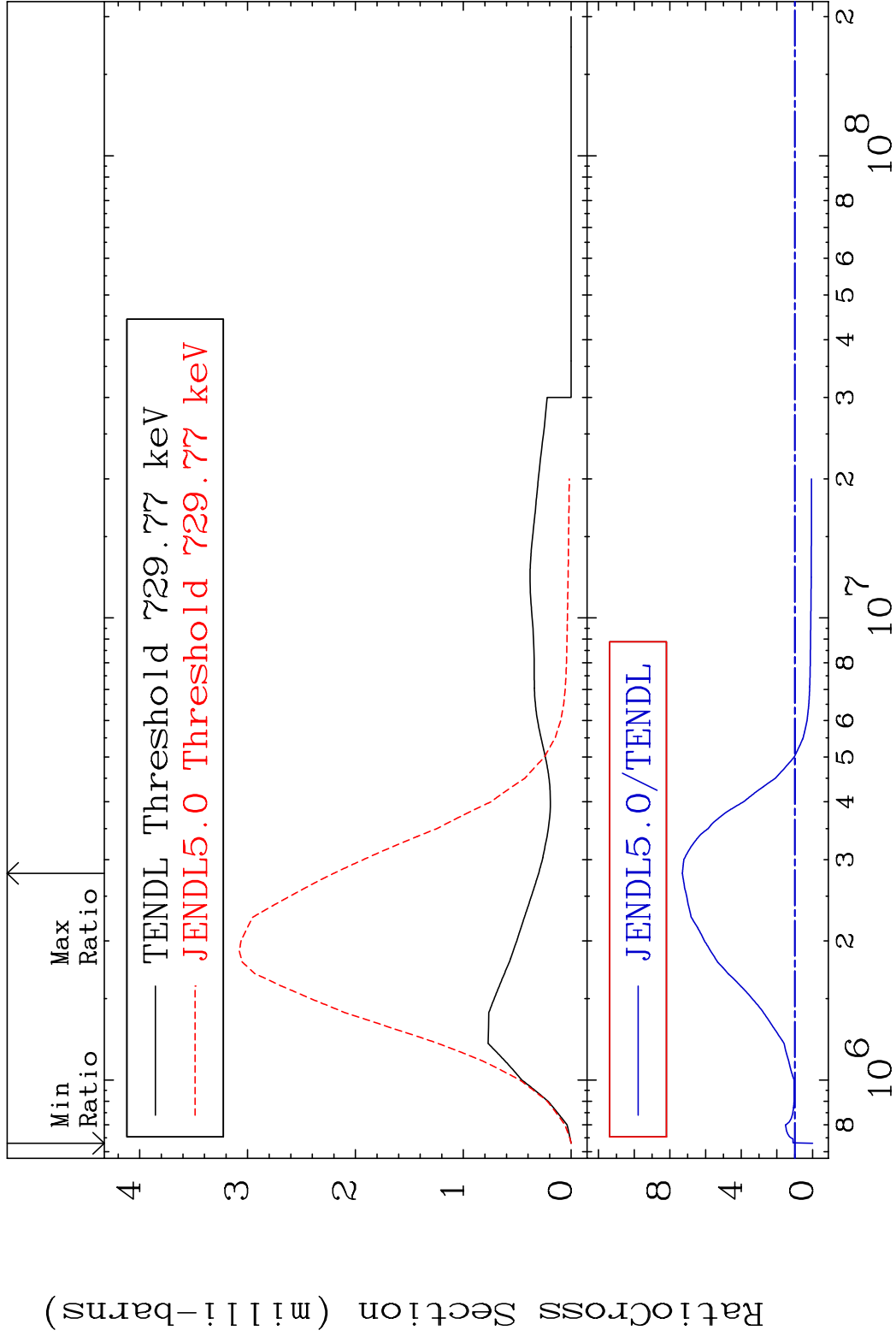




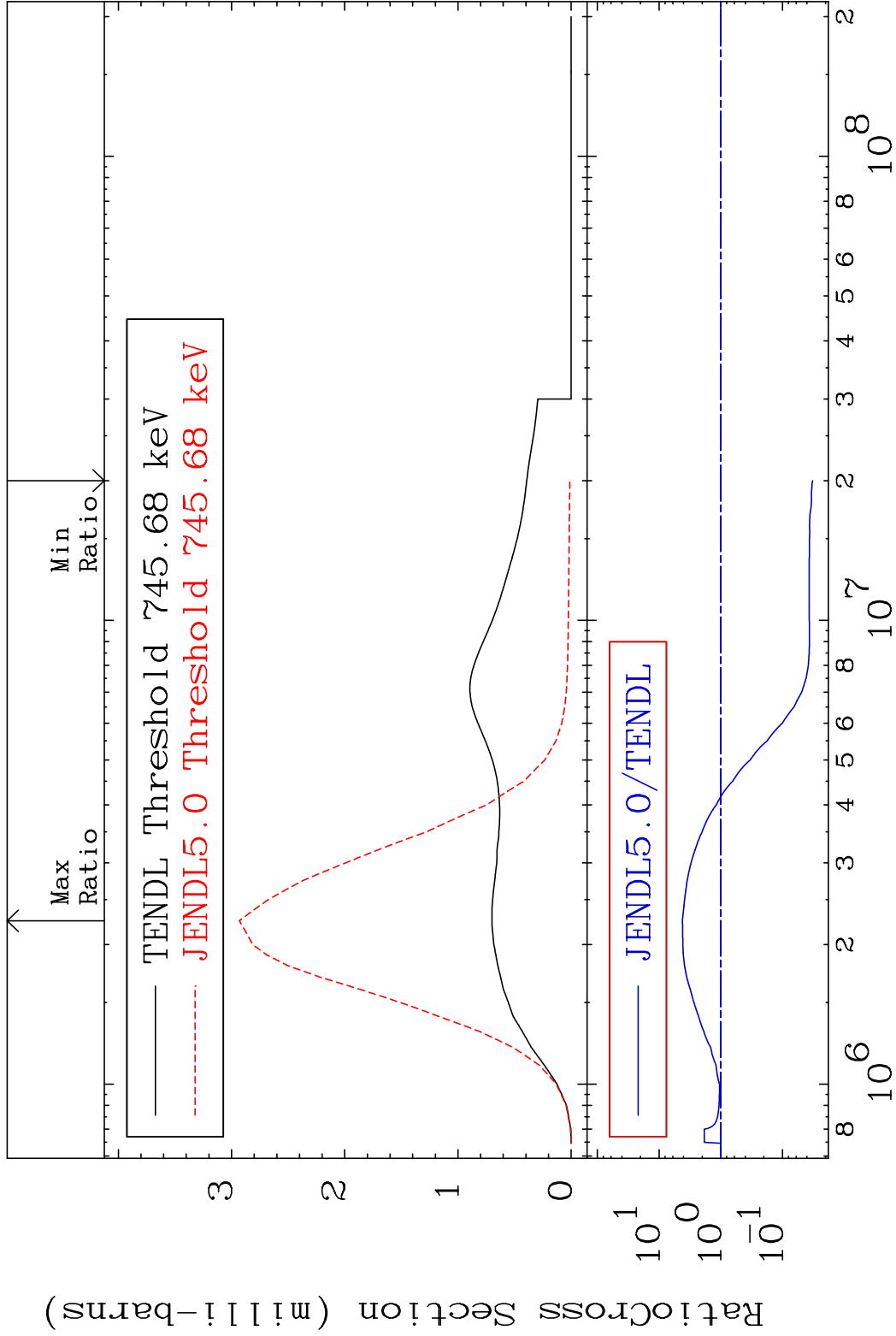
MAT 6925 MT= 72 (n,n') Level 69-Tm-169
Cross Section -100.0 To 9999. %

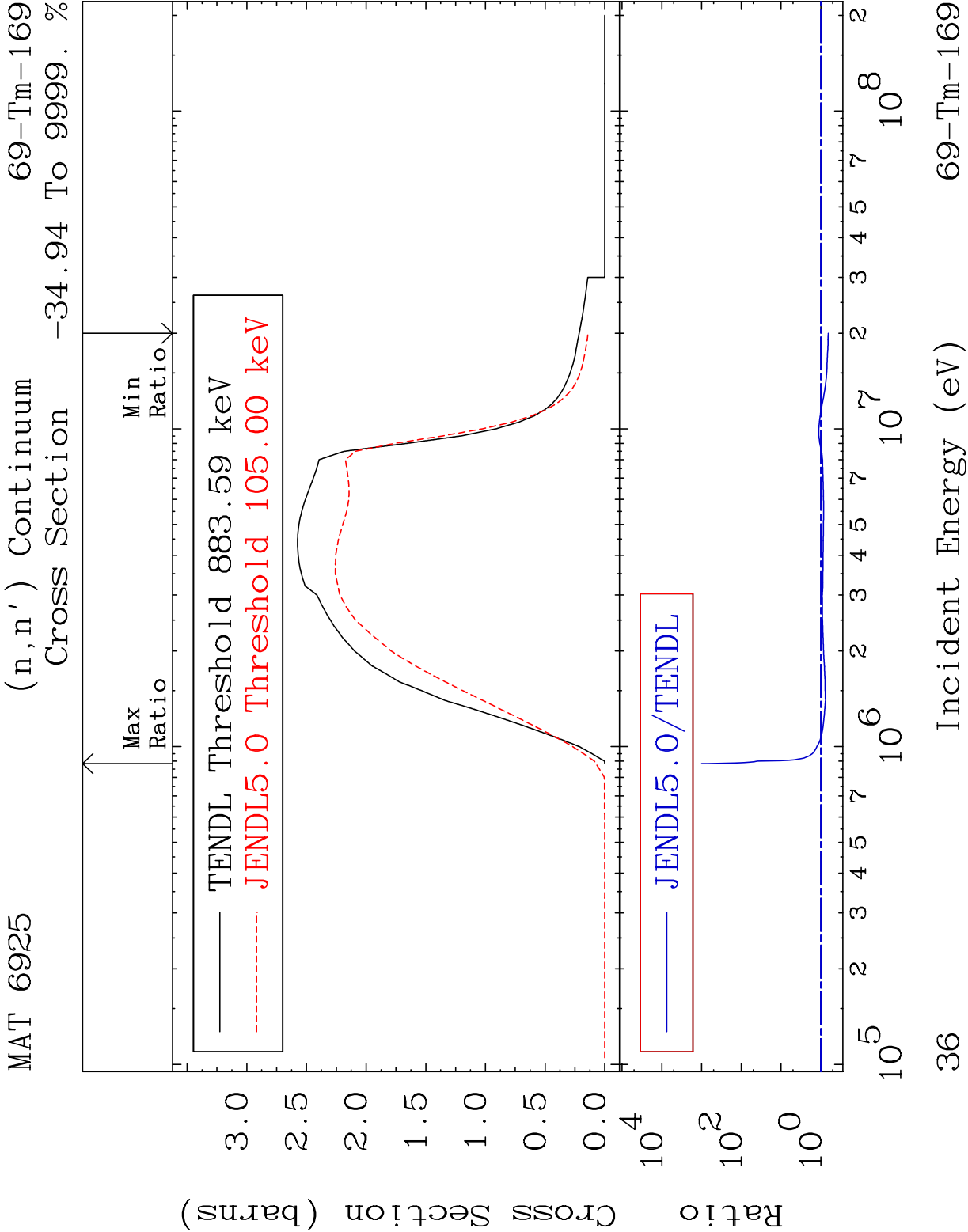


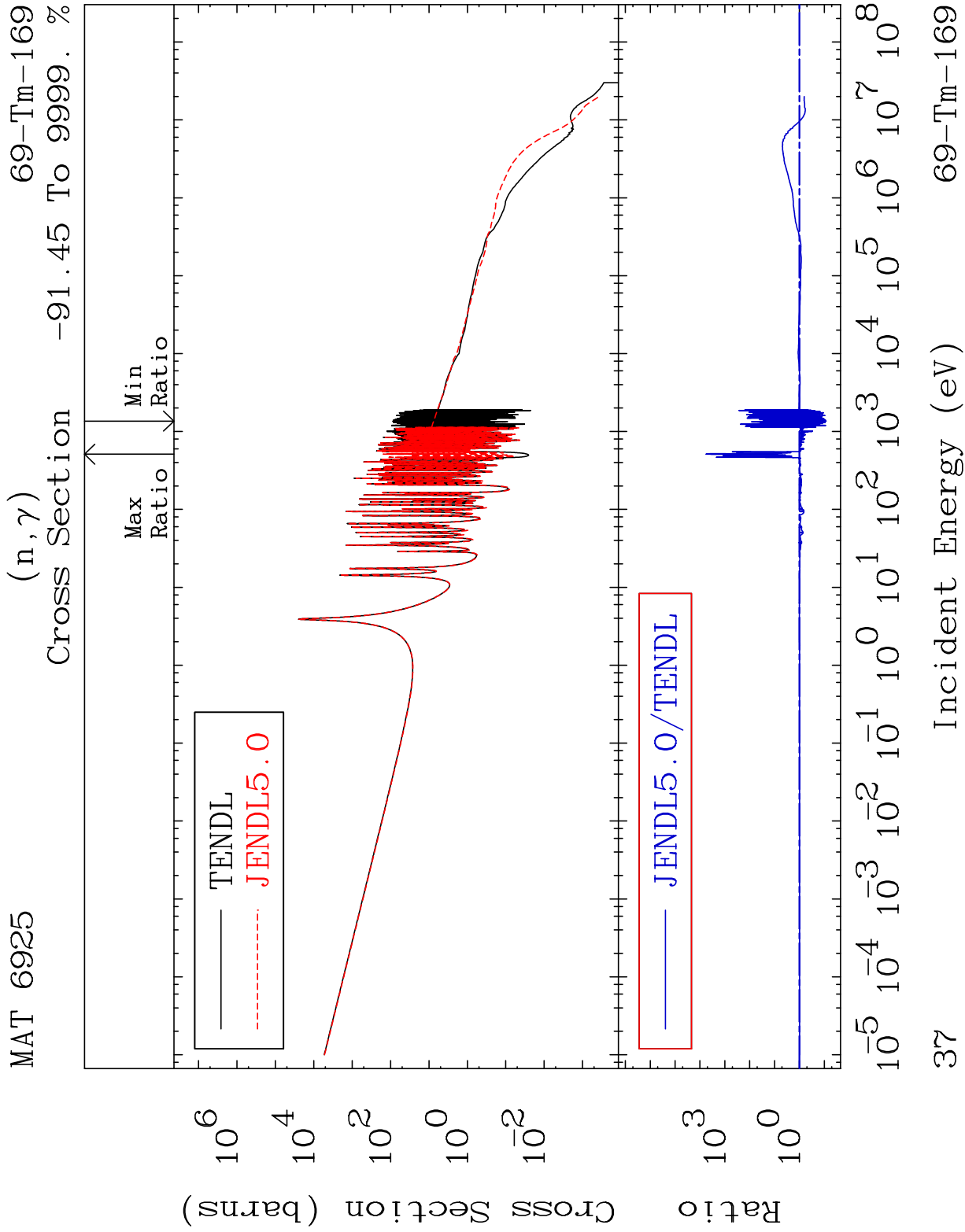
MAT 6925 MT= 73 (n,n') Level 69-Tm-169
Cross Section -100.0 To 630.1 %

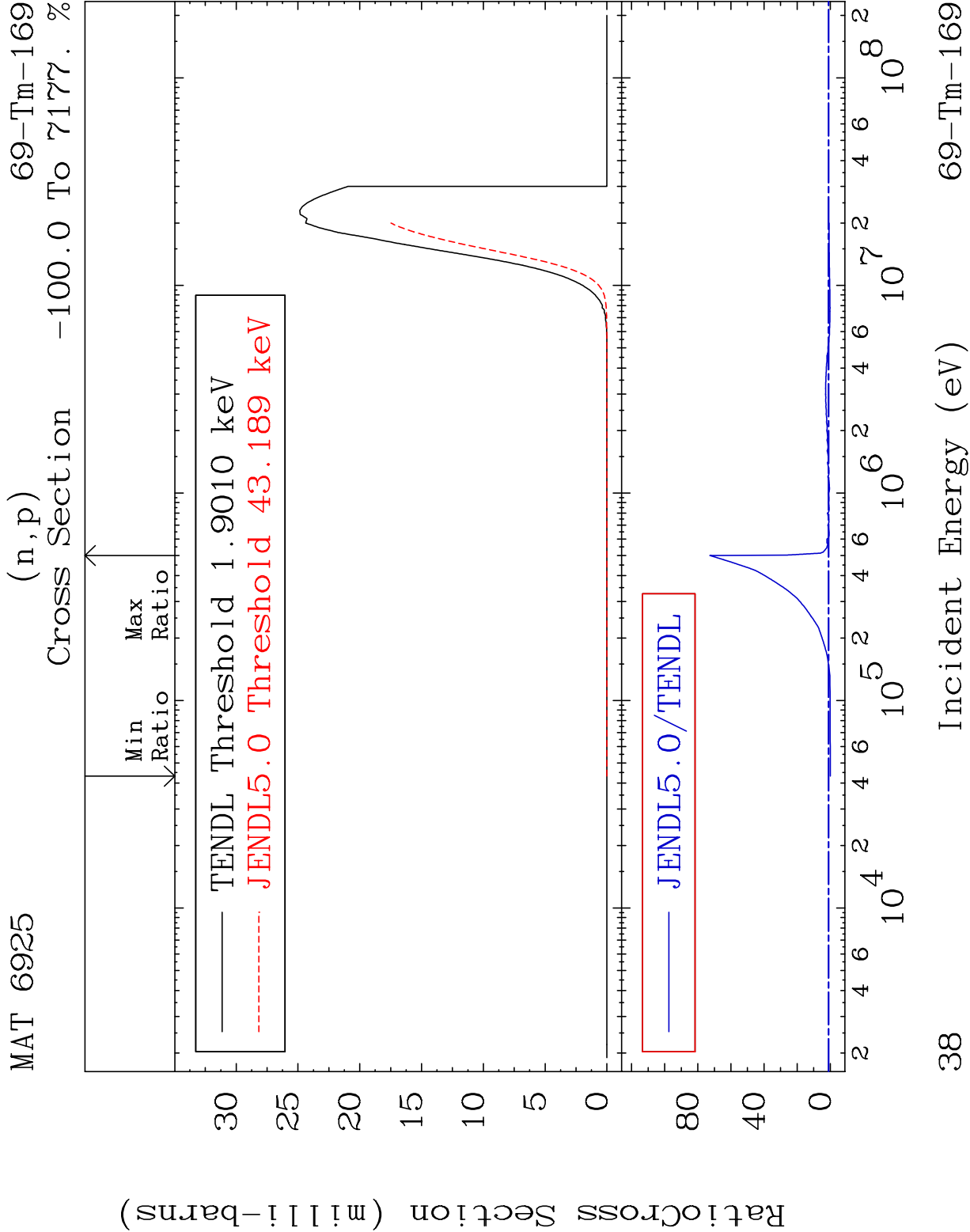


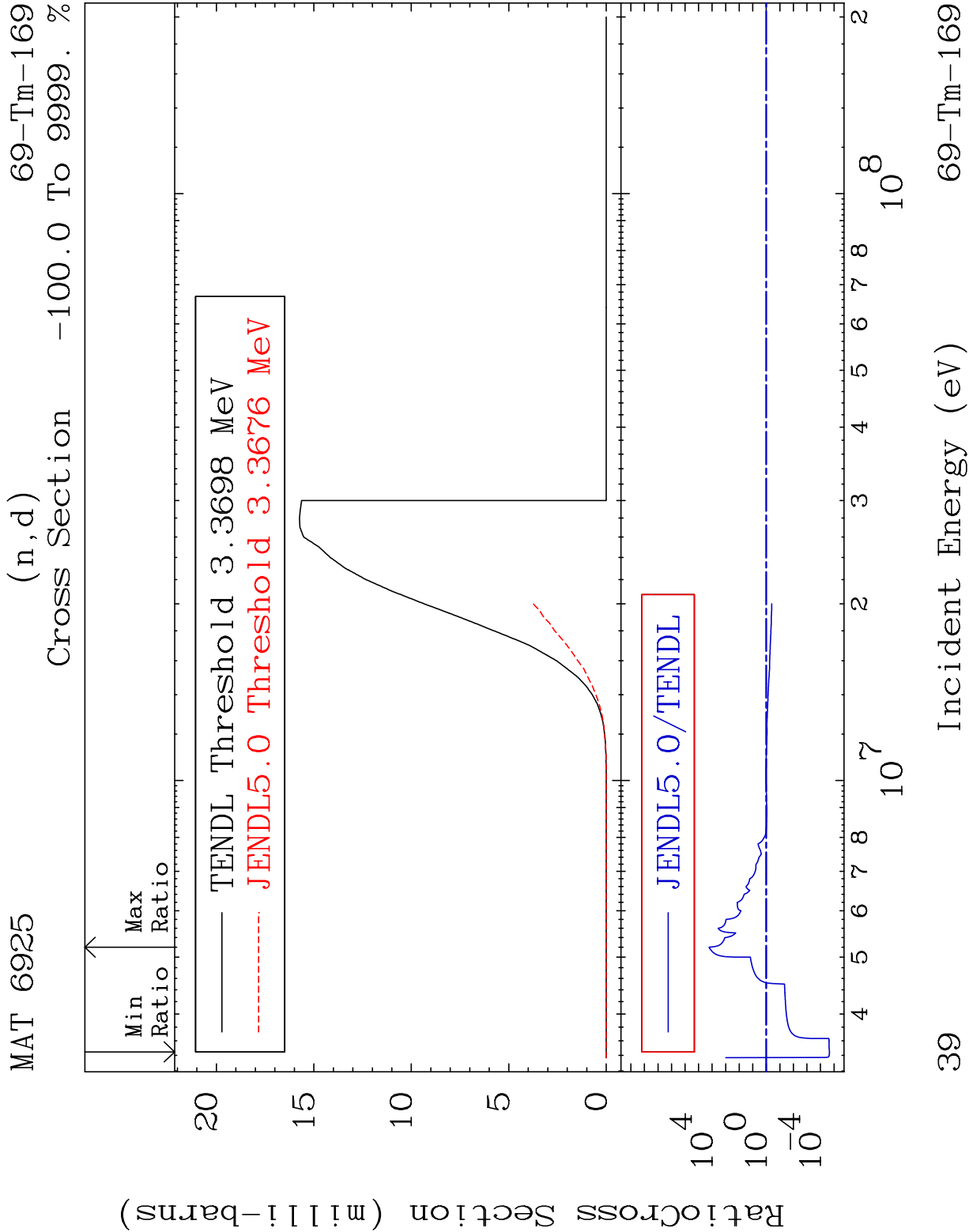
MAT 6925 MT= 74 (n,n') Level 69-Tm-169
Cross Section -96.76 To 318.9 %









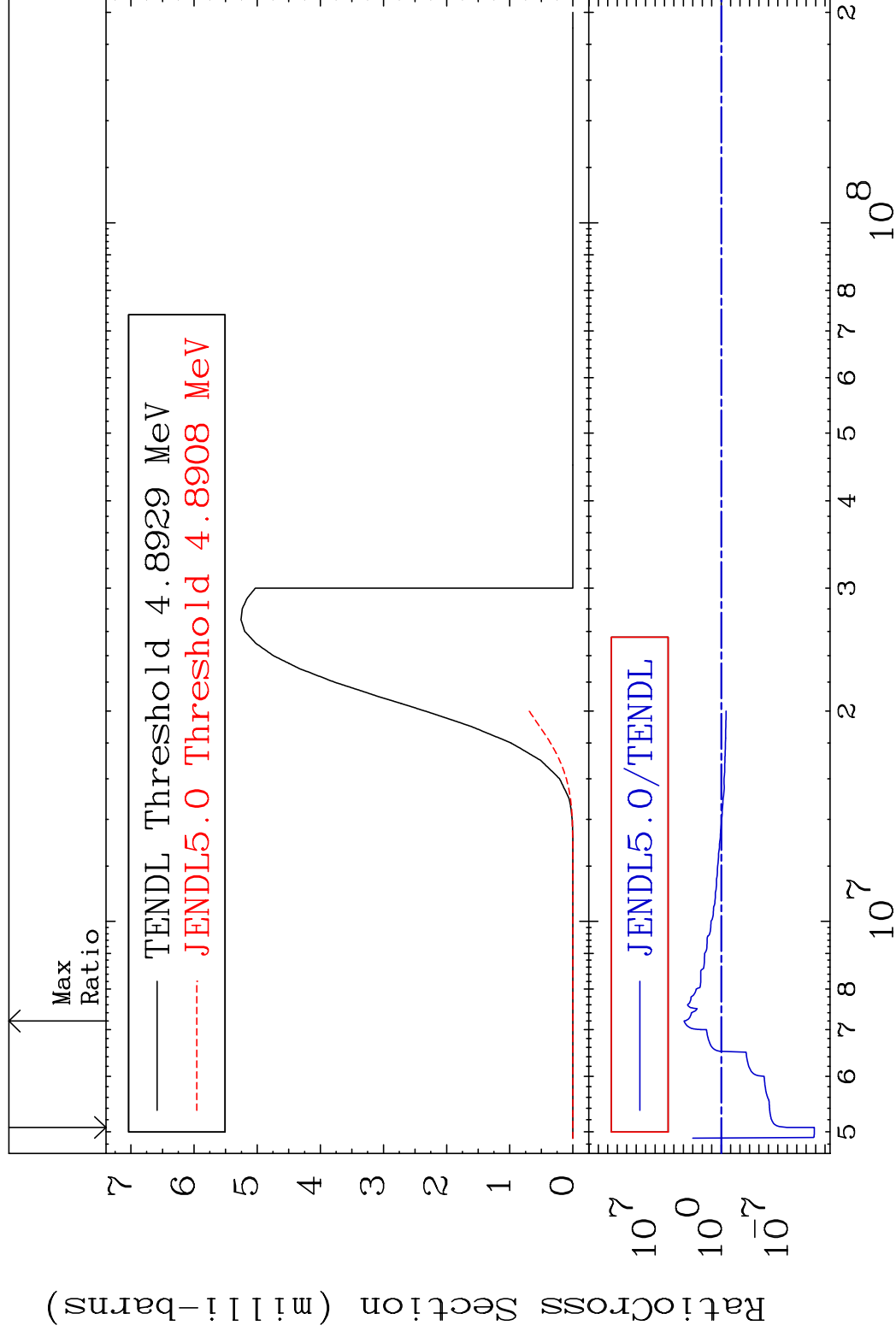


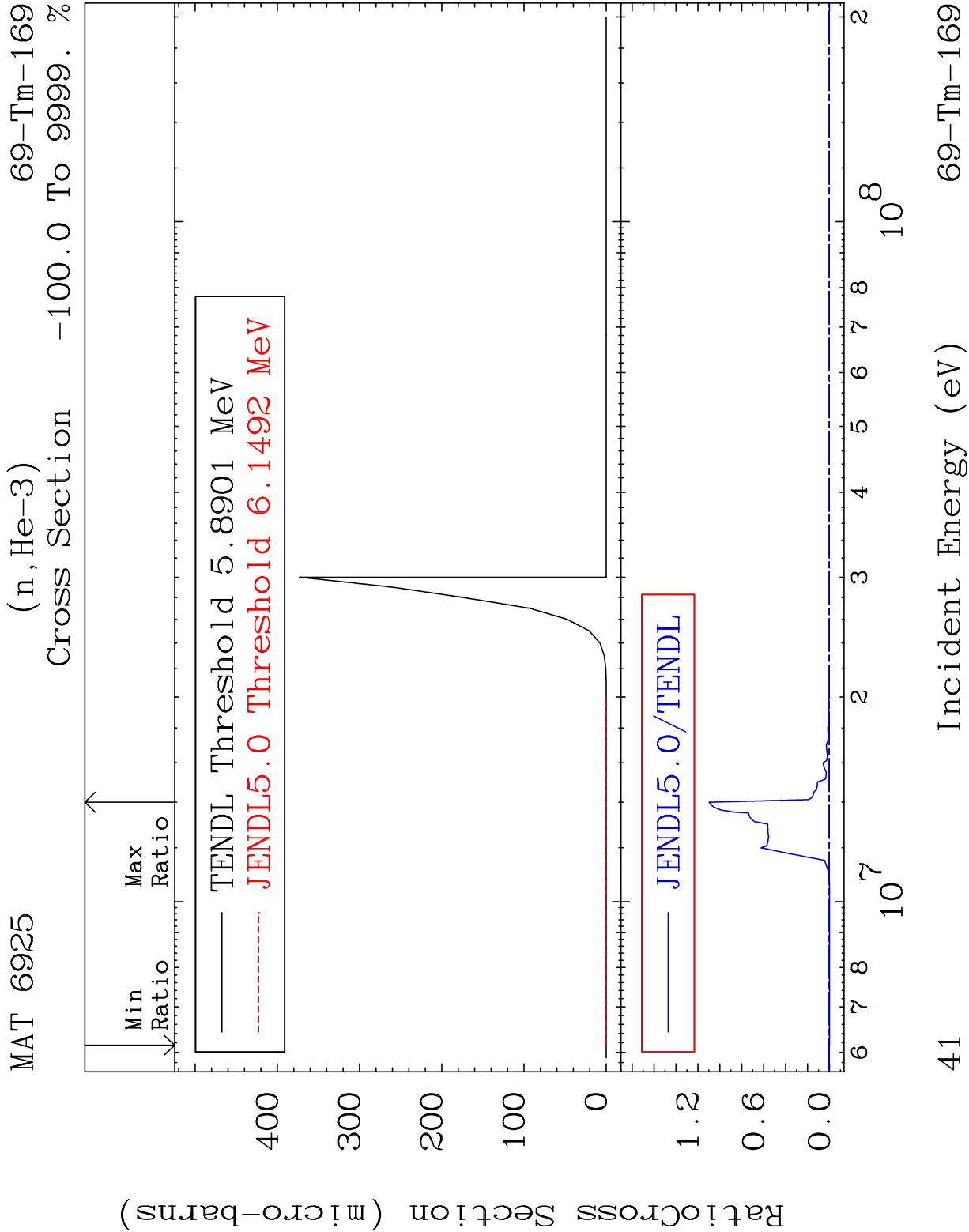
MAT 6925

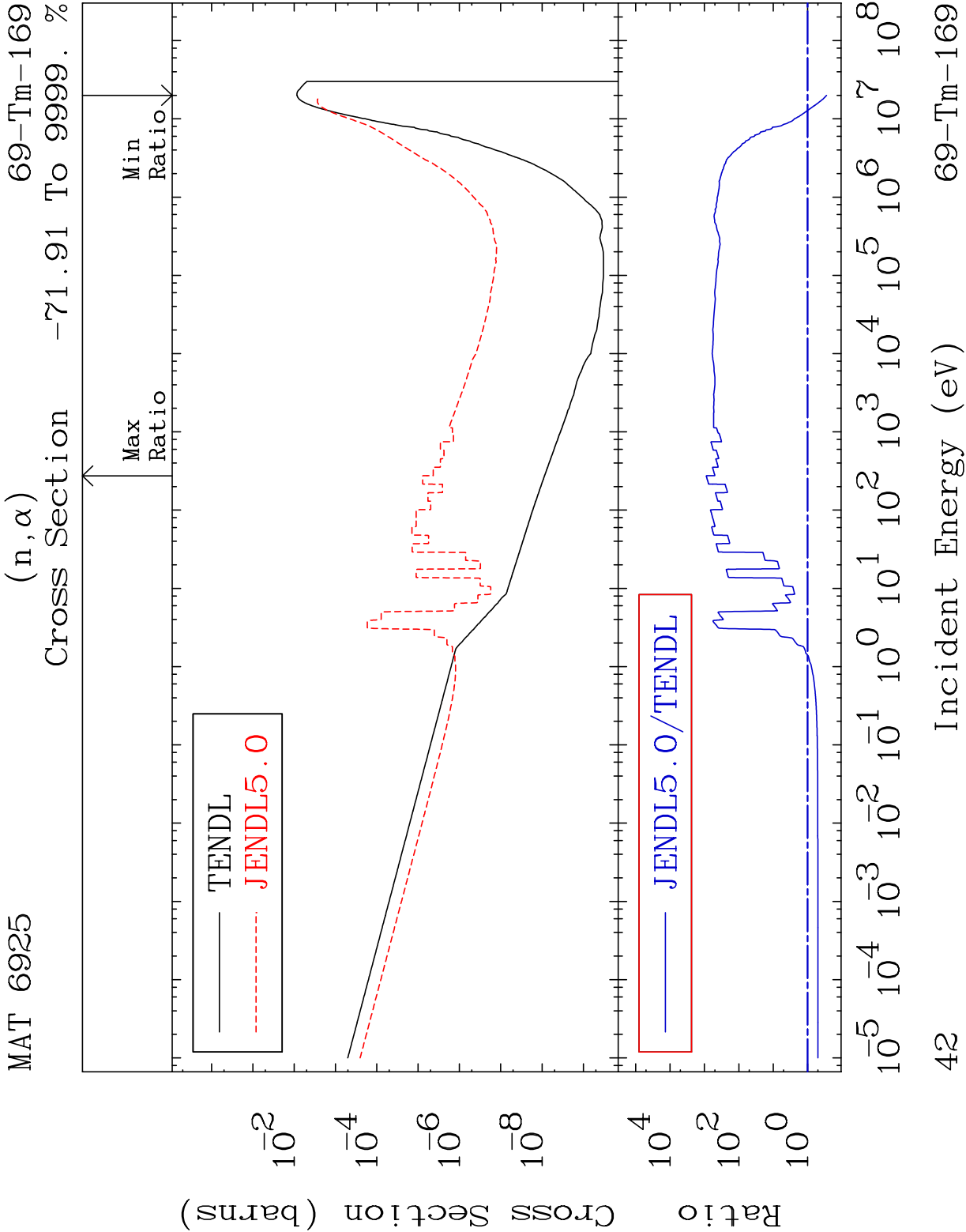
$$(n, t)$$

69-Tm-169

Cross Section -100.0 To 9999. %





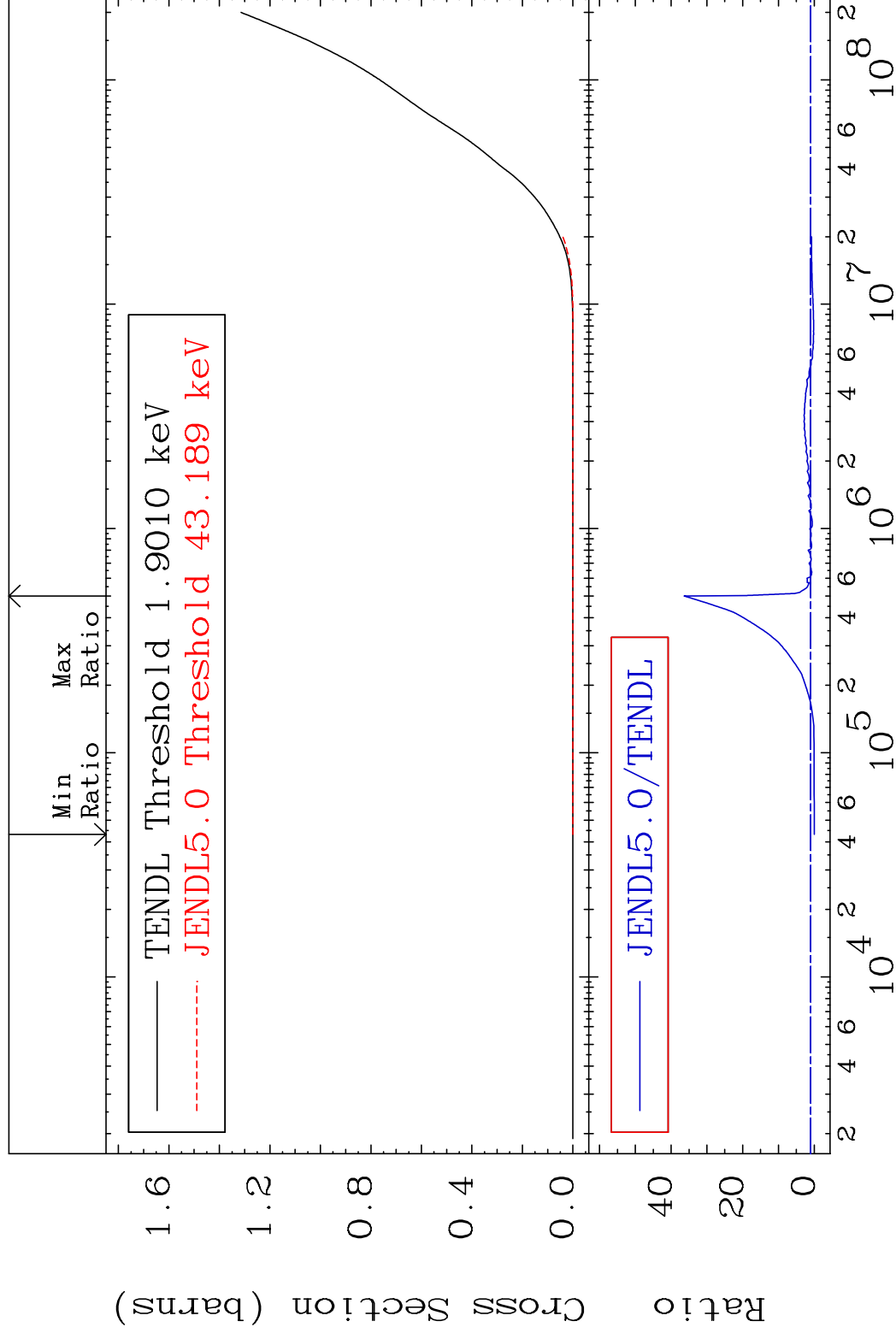


MAT 6925

Hydrogen Production

69-Tm-169

Cross Section -100.0 To $3538. \%$



TENDL Threshold 1.9010 keV

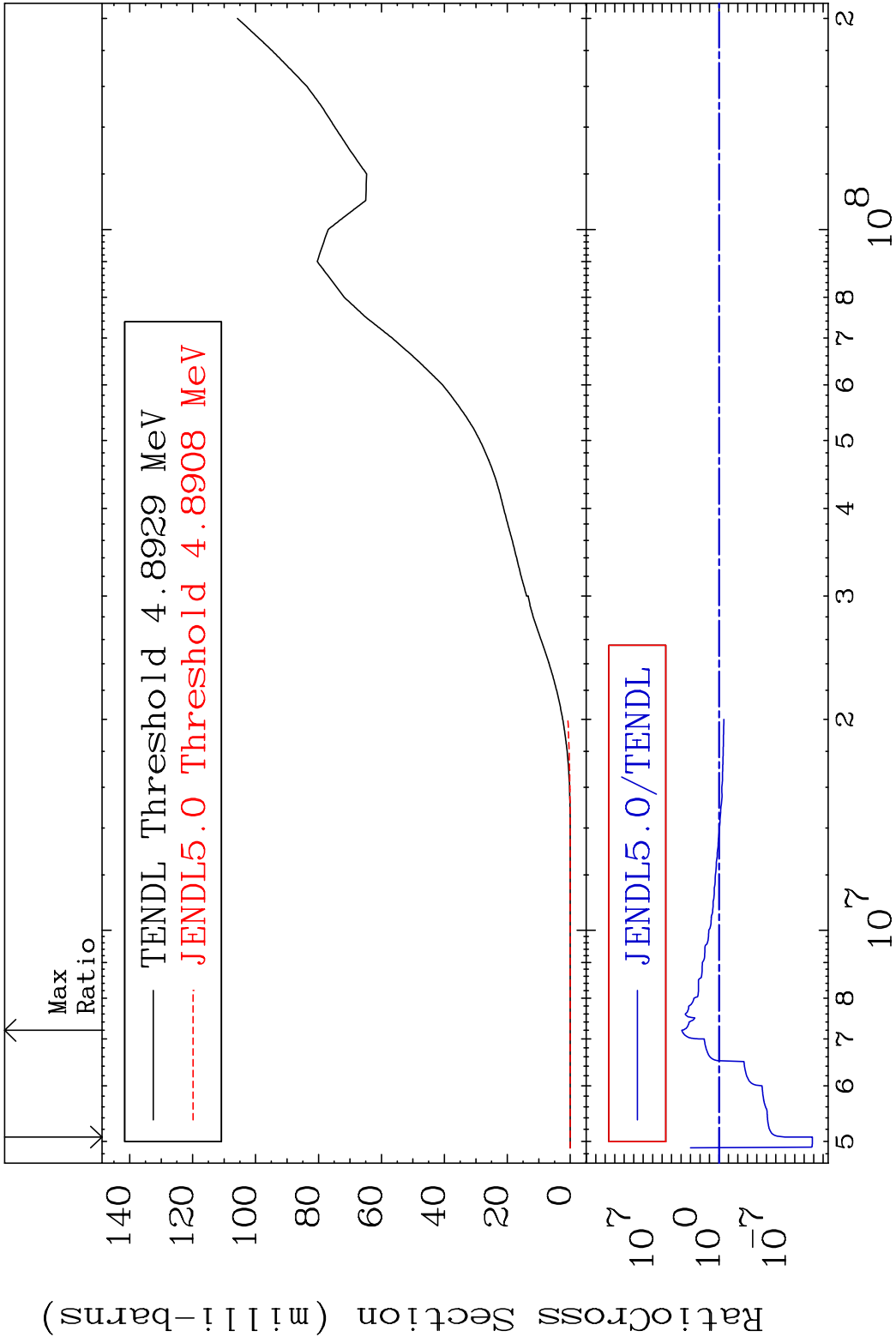
JENDL5.0 Threshold 43.189 keV

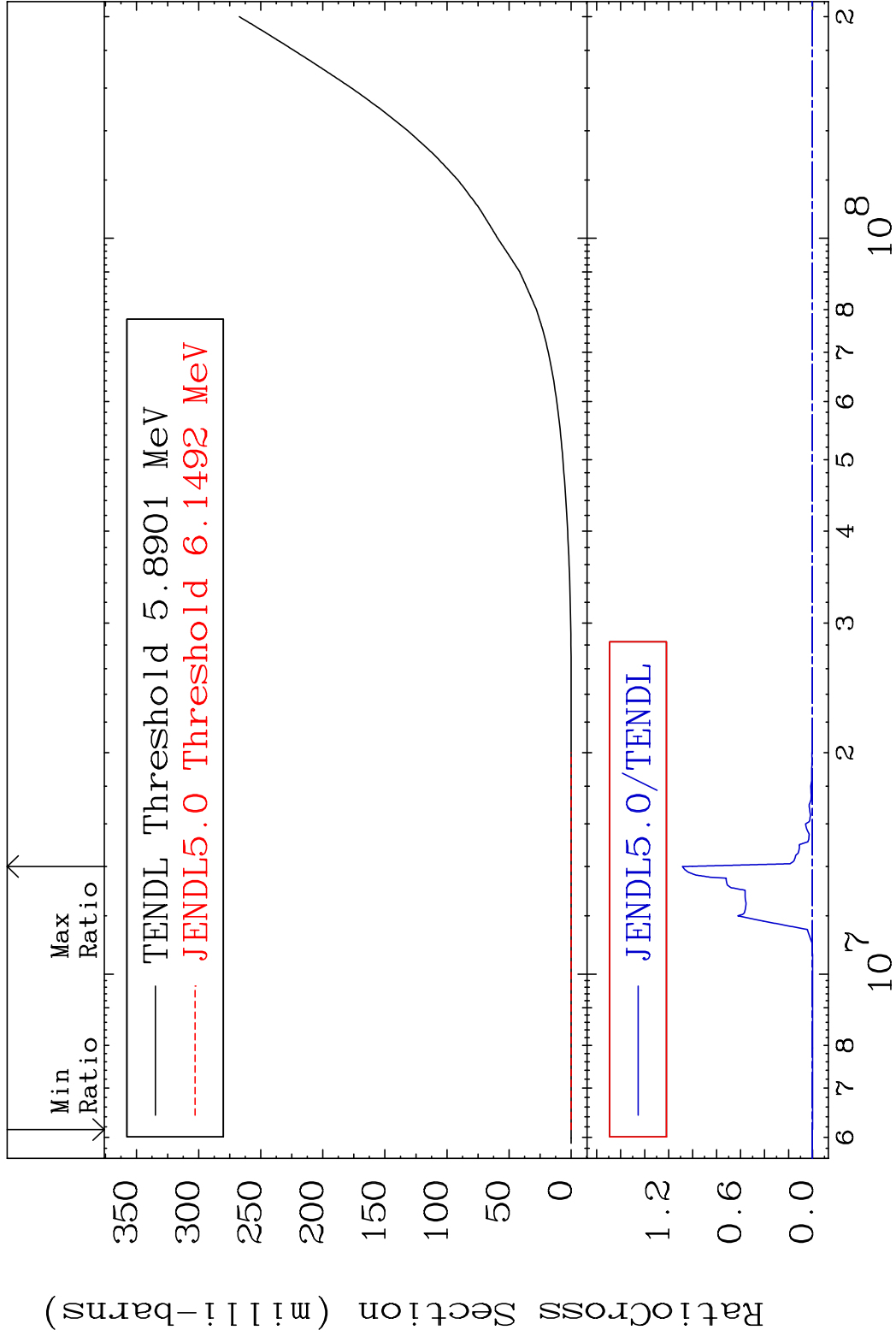
JENDL5.0/TENDL

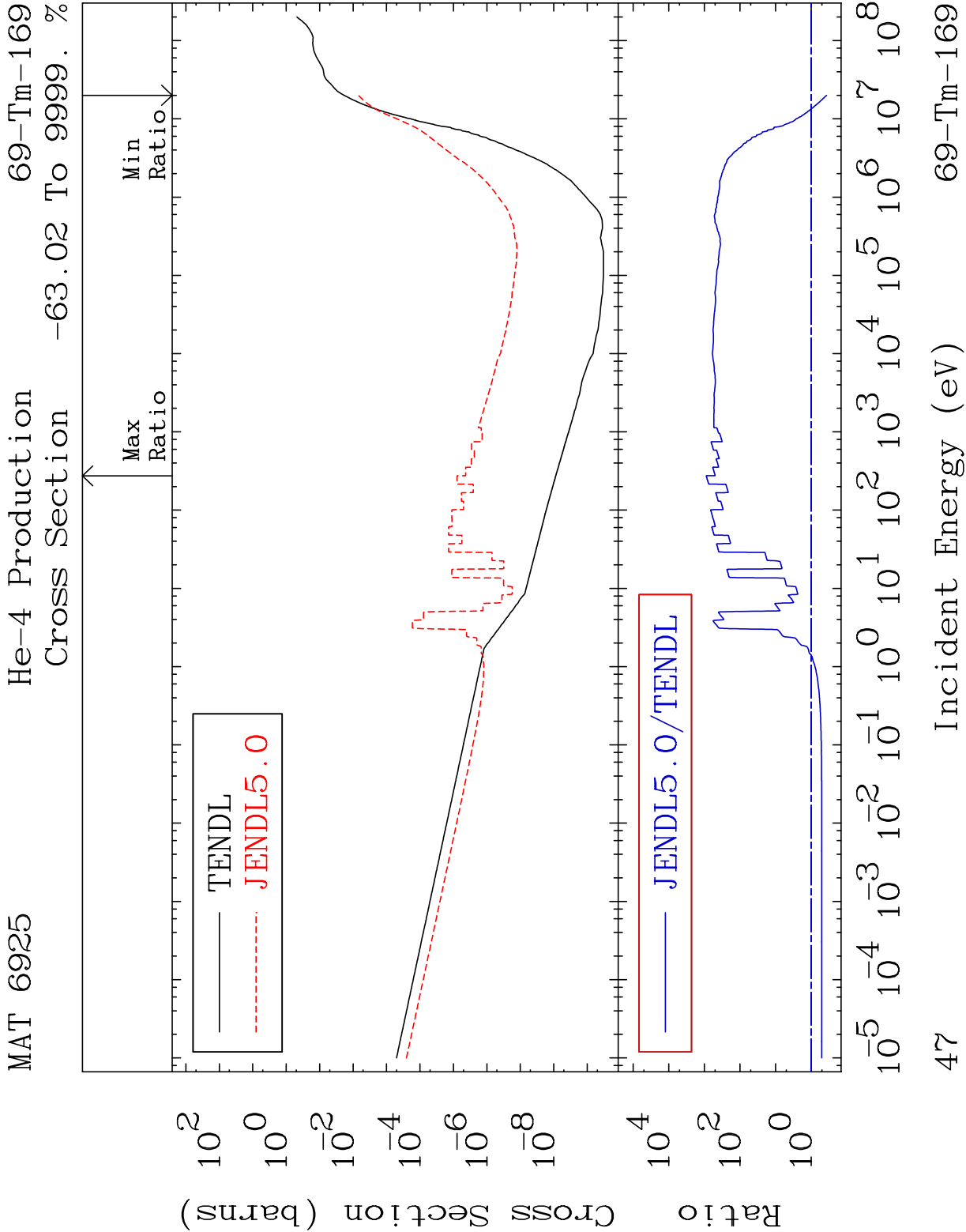
43

Incident Energy (eV)

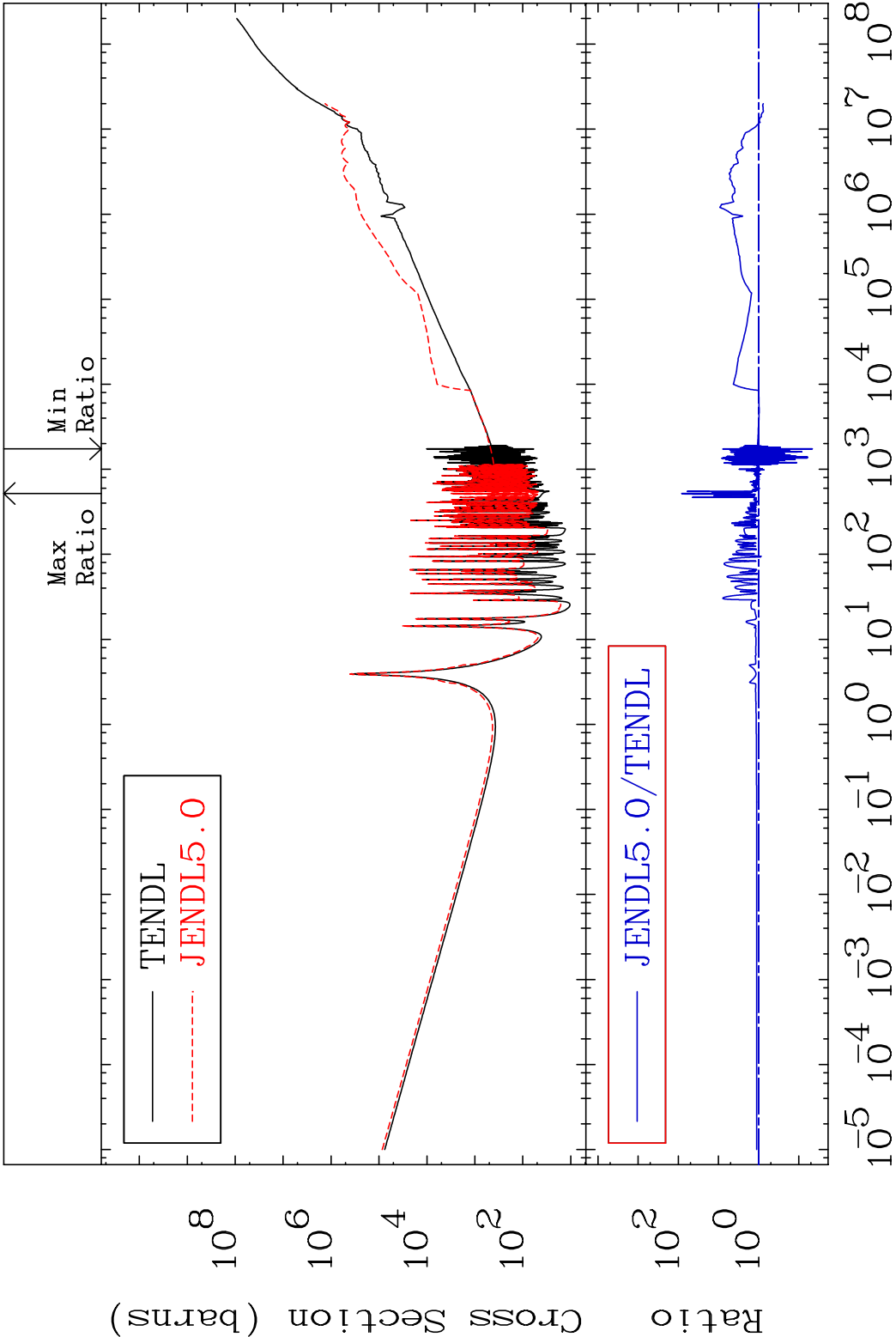
69-Tm-169







MAT 6925 Kerma total (eV-barns) 69-Tm-169
Cross Section -95.36 To 8228. %



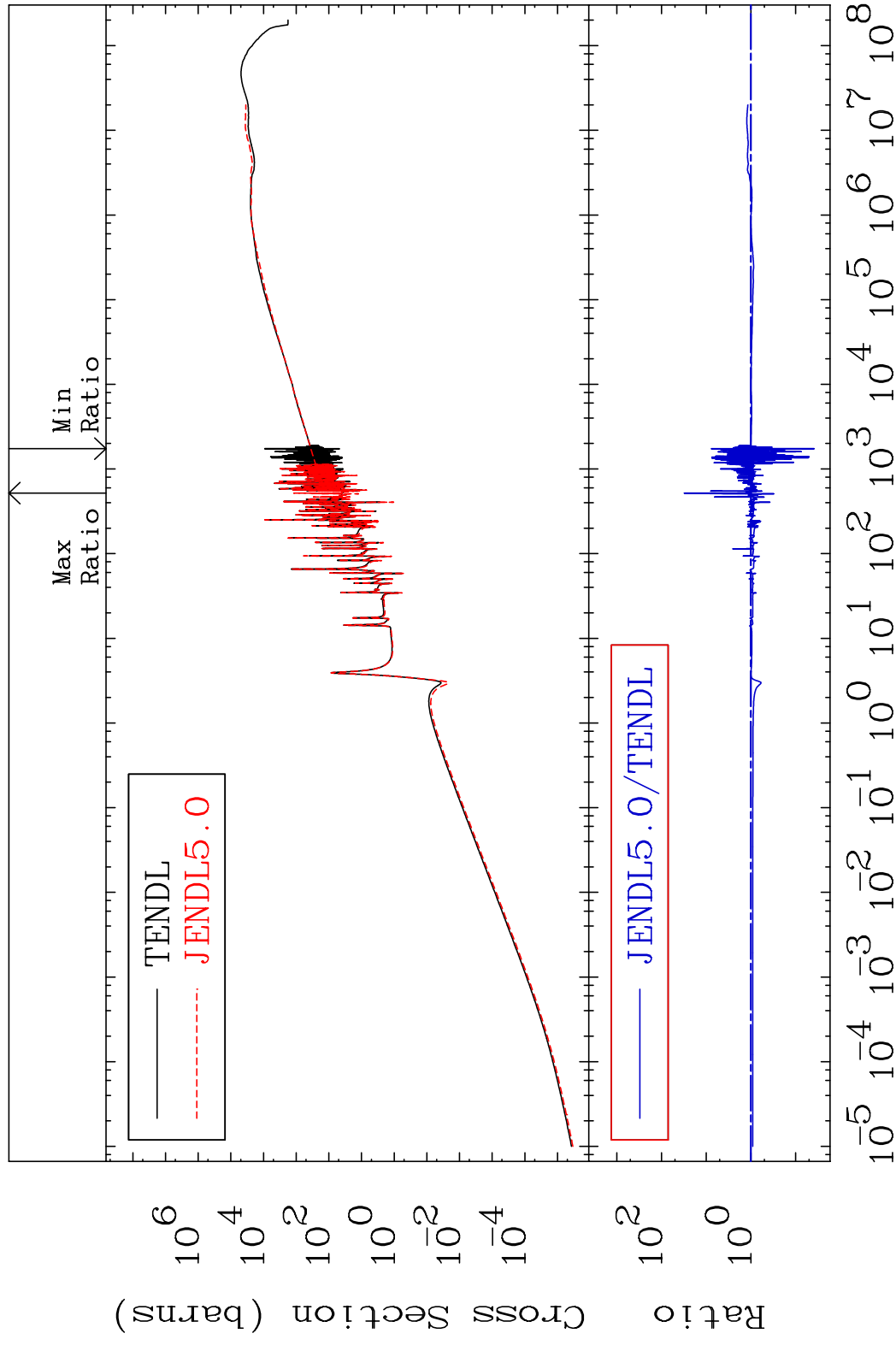
48 Incident Energy (eV) 69-Tm-169

MAT 6925

Kerma elastic

69-Tm-169

Cross Section -96.16 To 3040. %

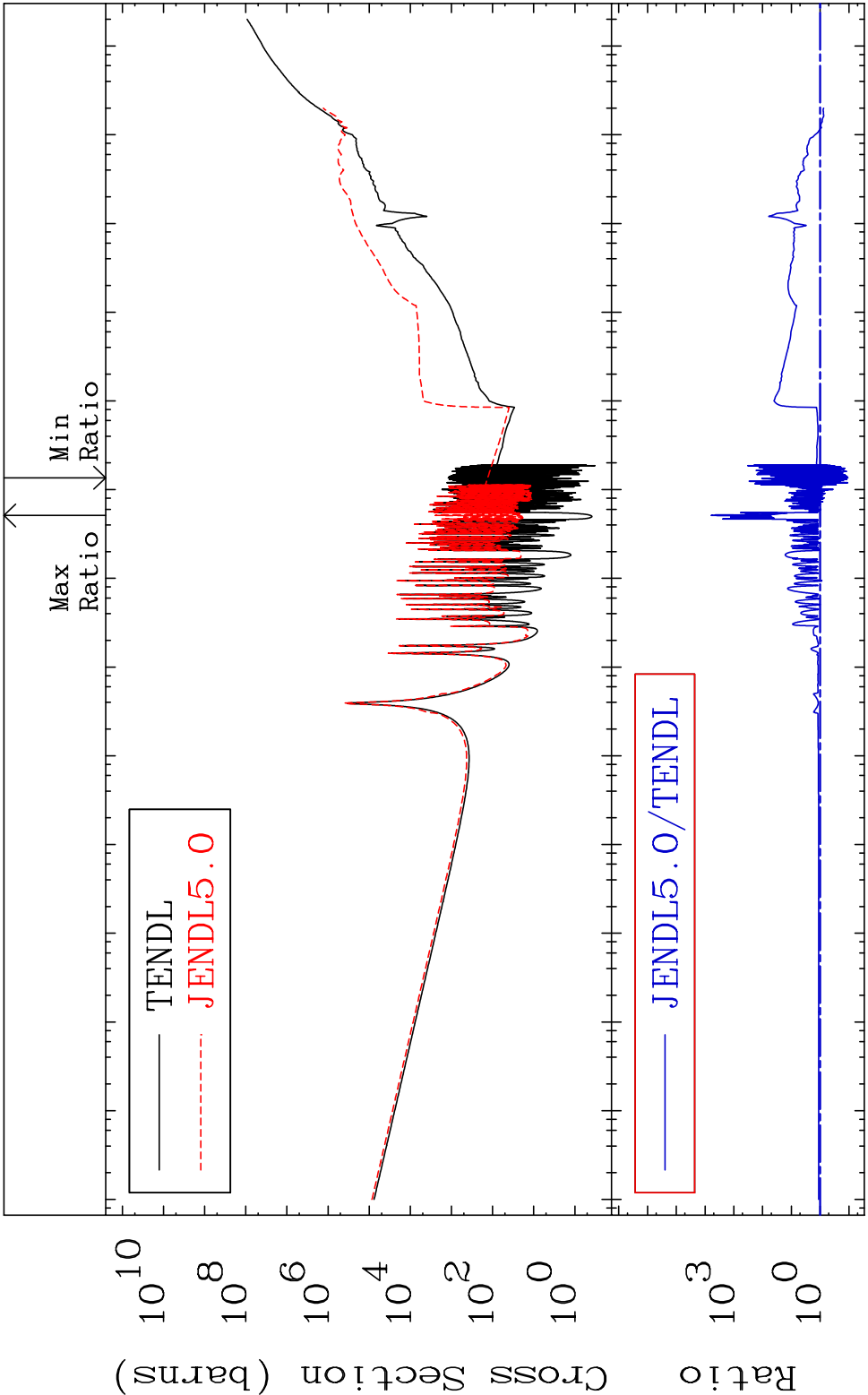


49

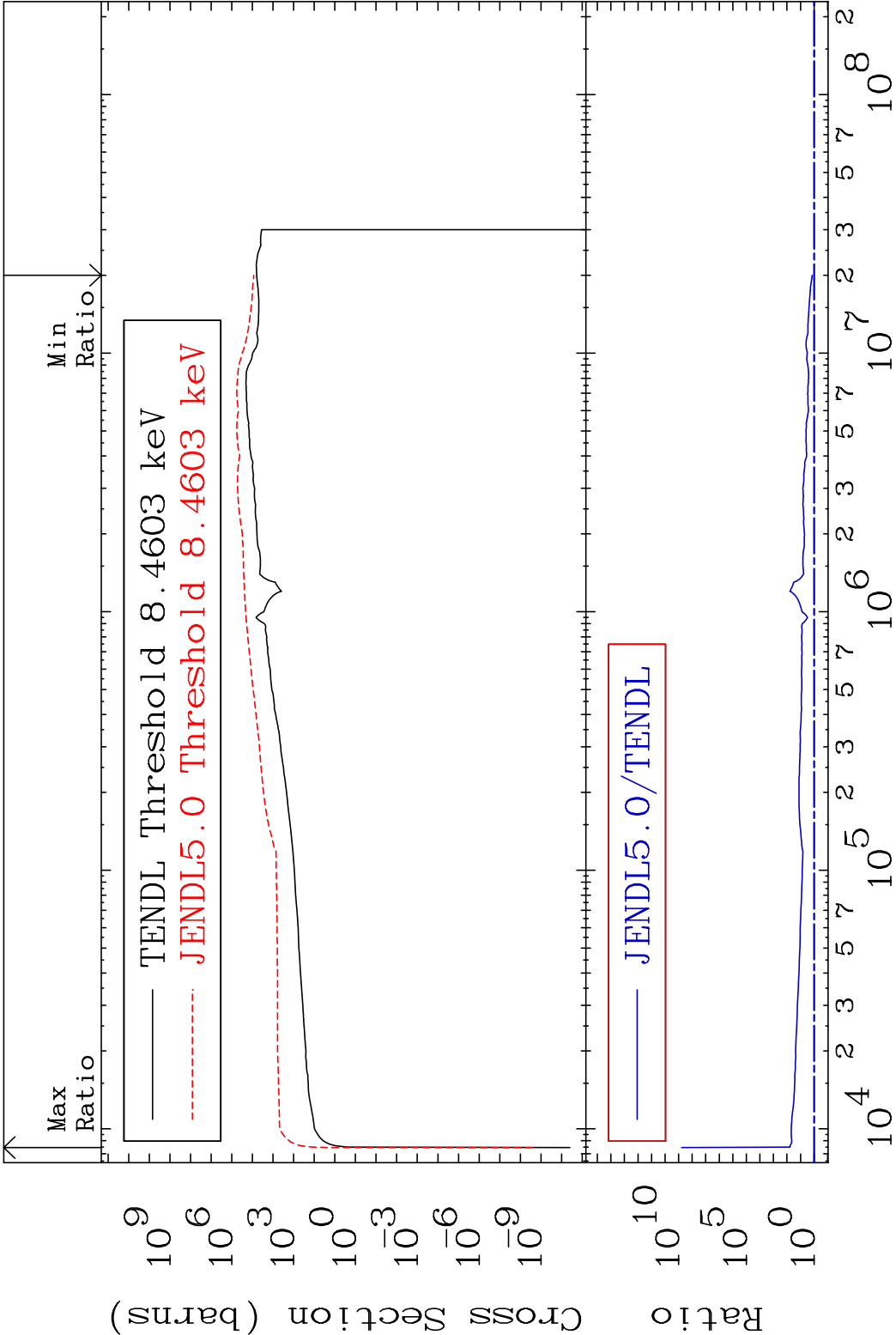
Incident Energy (eV)

69-Tm-169

MAT 6925 Kerma non-elastic (all but mt2) 69-Tm-169
 Cross Section -89.05 To 9999. %

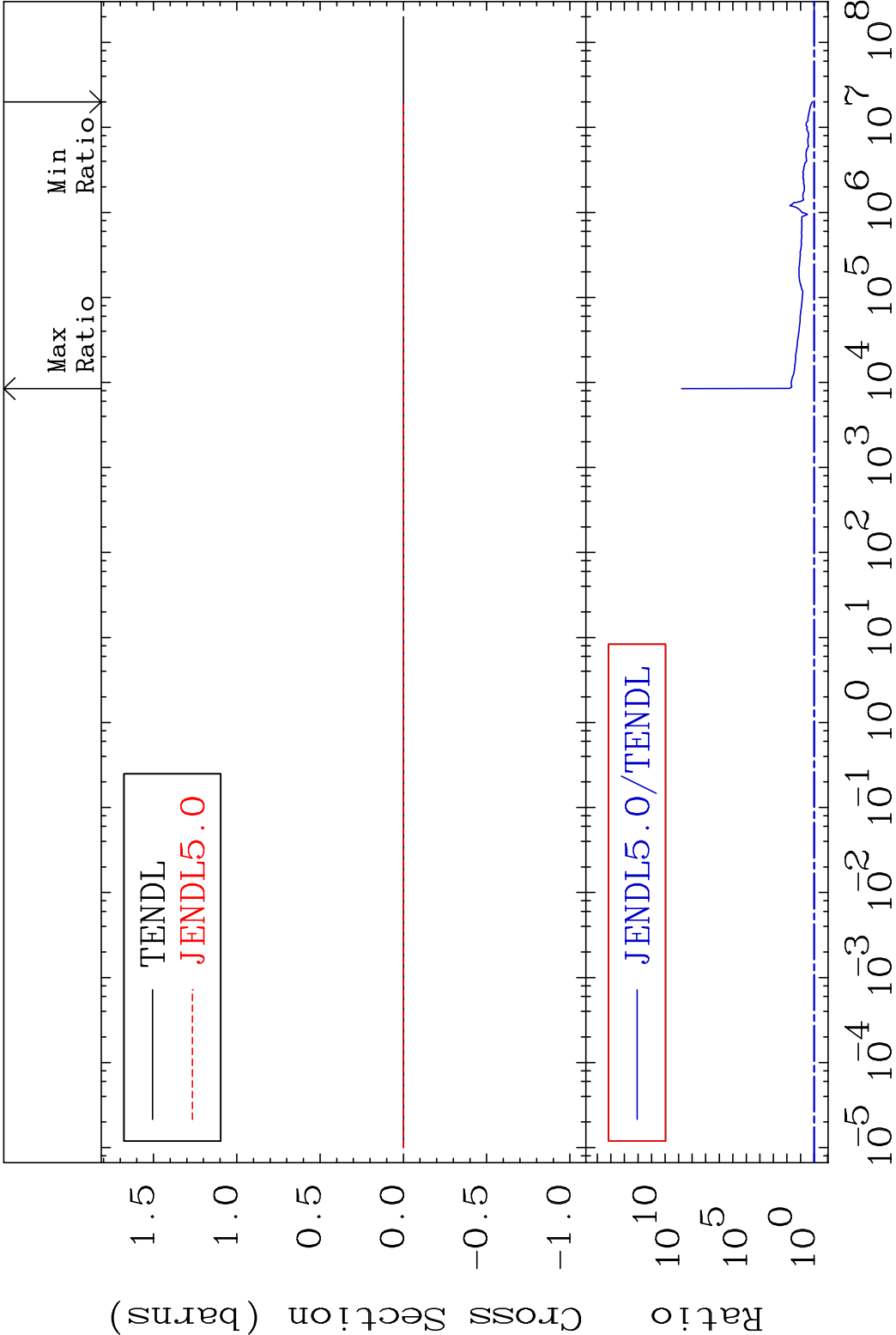


MAT 6925 Kerma inelastic (mt51-91) 69-Tm-169
Cross Section 36.46 To 9999. %

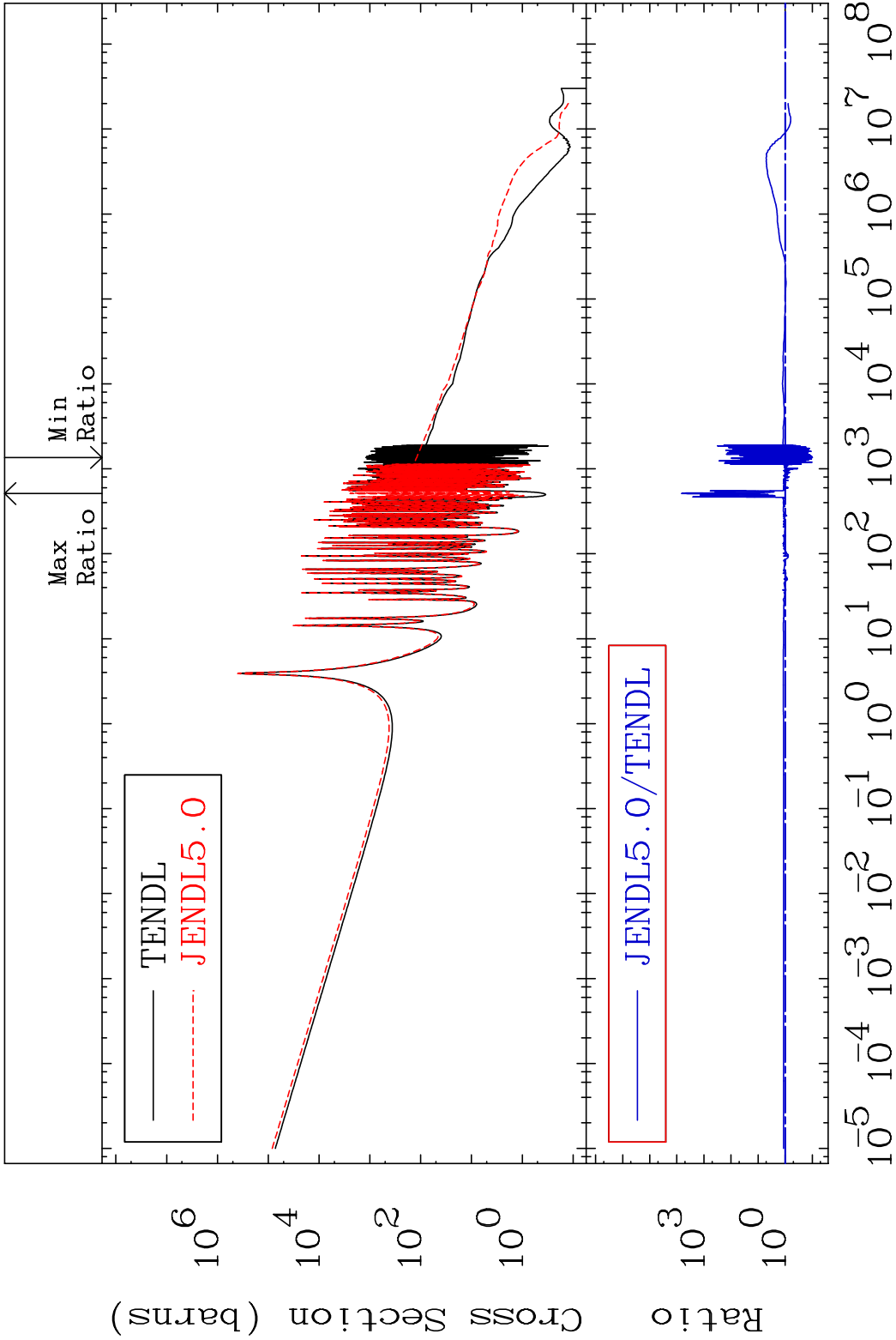


51 Incident Energy (eV) 69-Tm-169

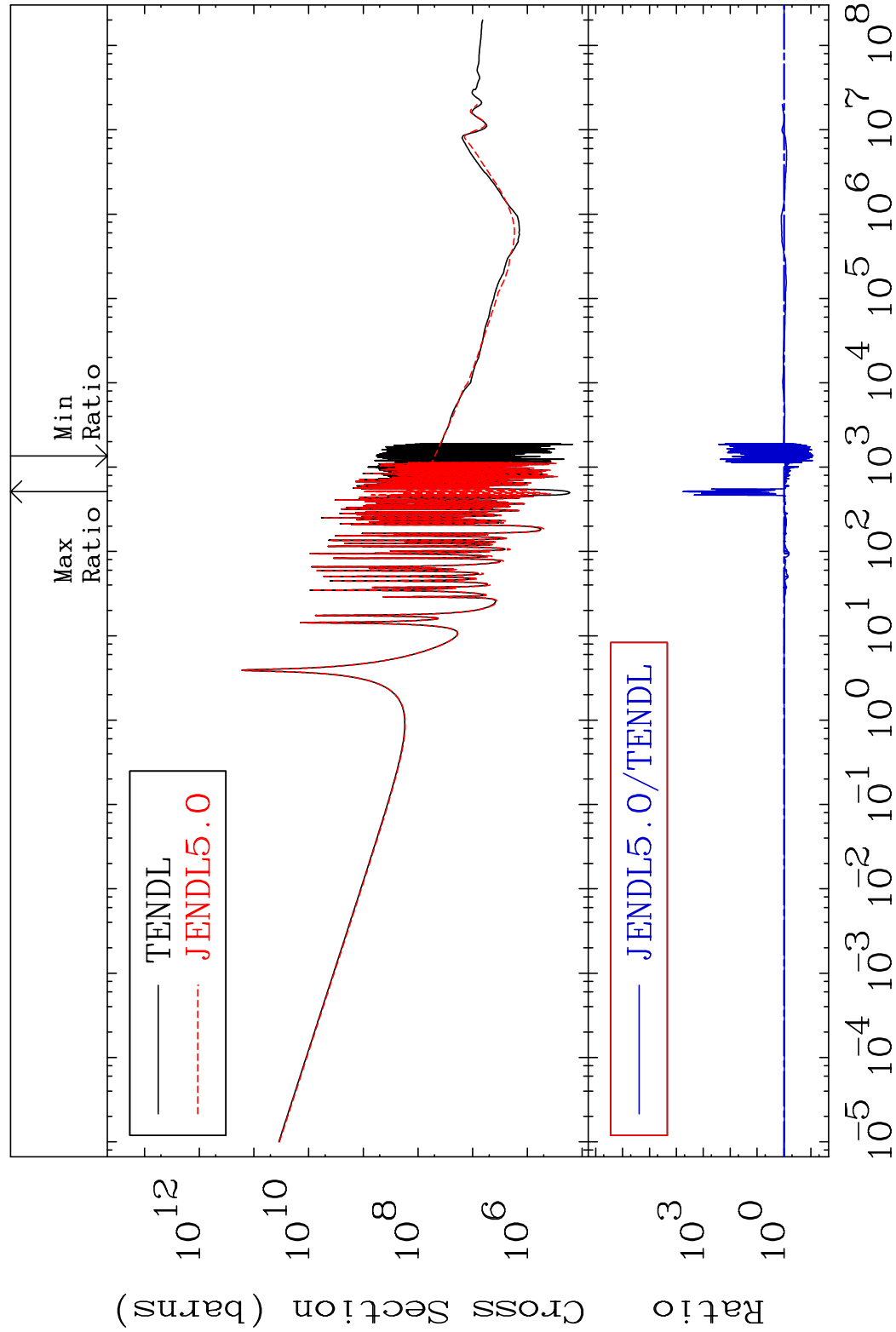
MAT 6925 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-169
Cross Section 36.46 To 9999. %



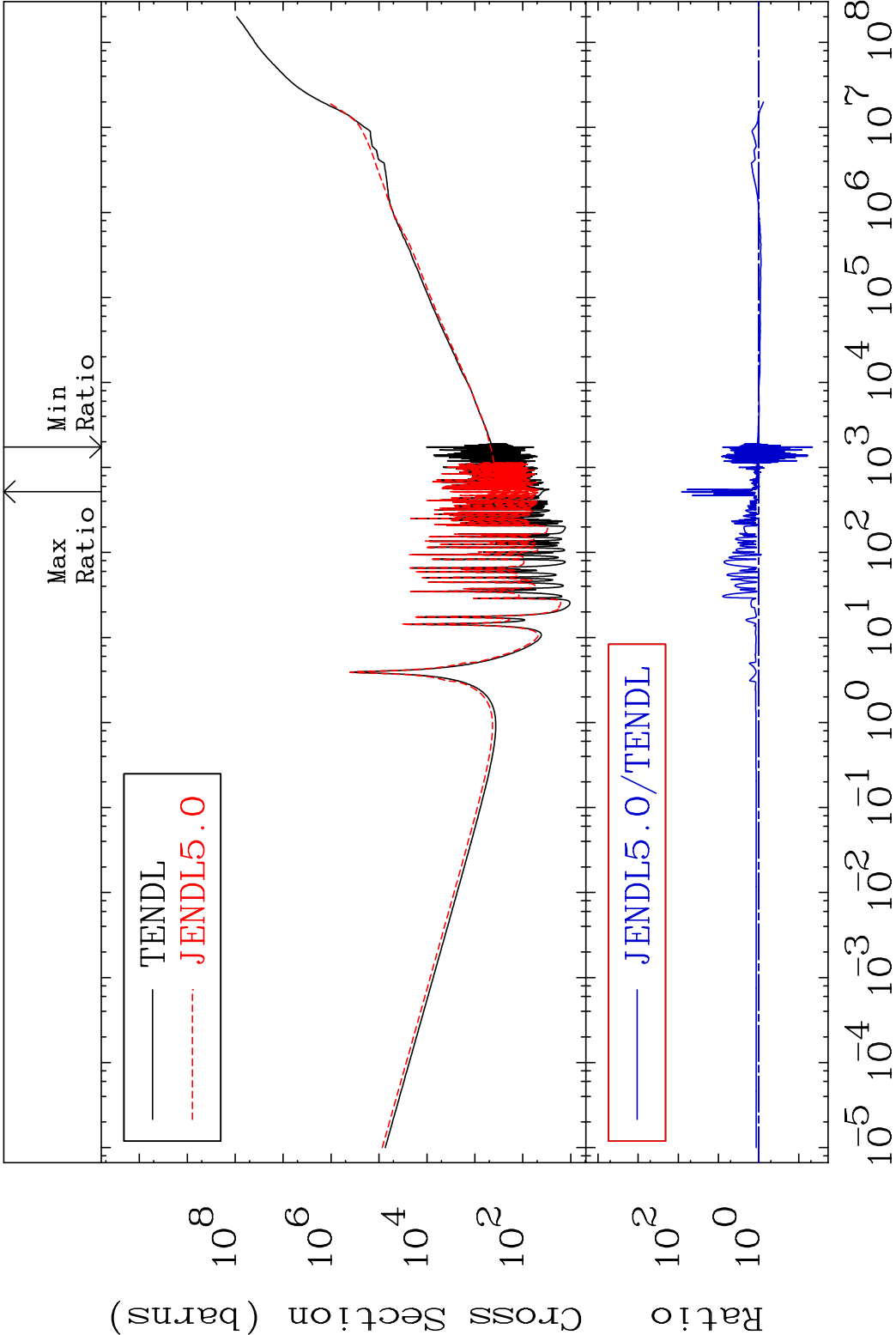
MAT 6925 Kerma capture (mt102) 69-Tm-169
Cross Section -90.03 To 9999. %



53 Incident Energy (eV) 69-Tm-169

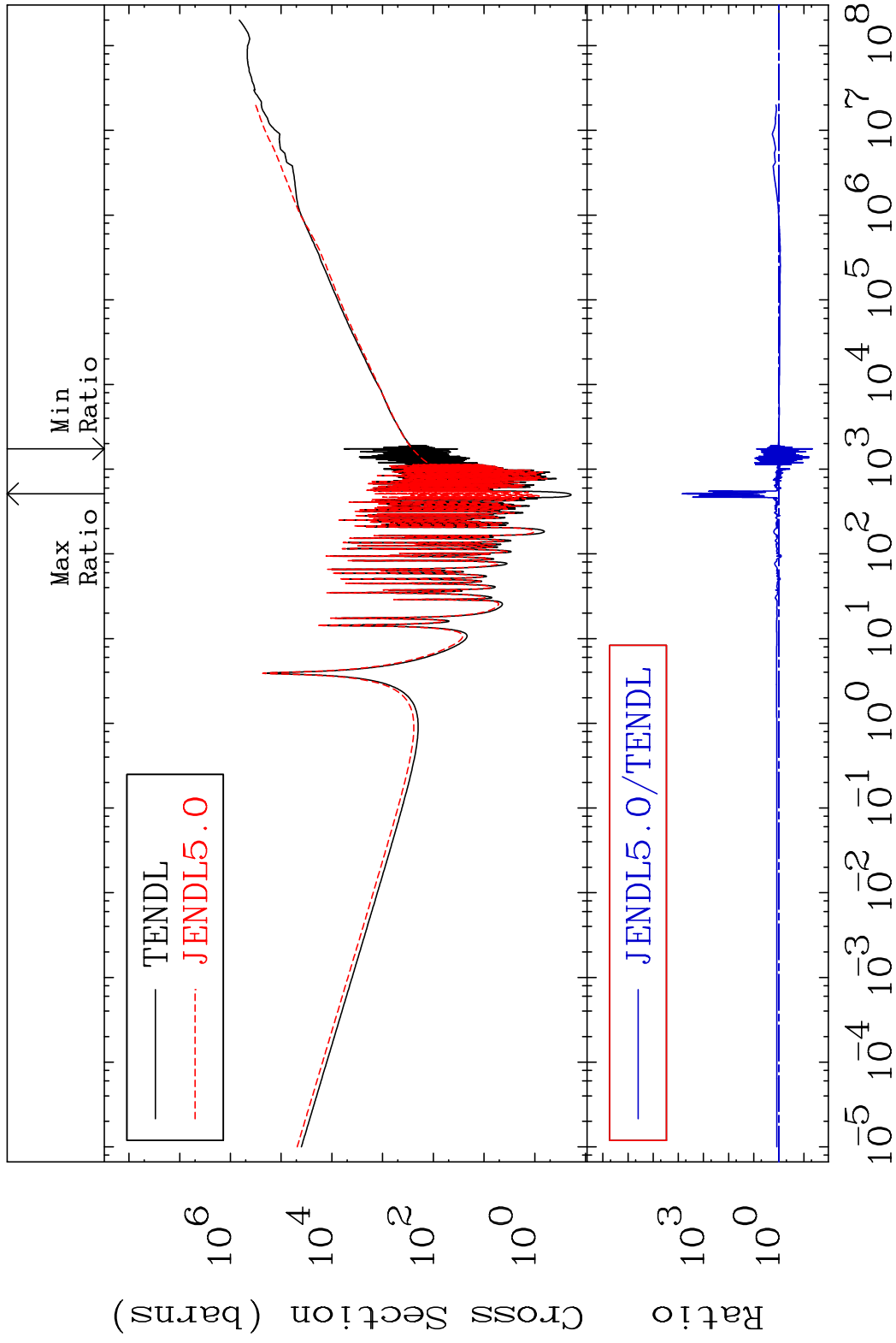


MAT 6925 Total kinematic kerma (high limit) 69-Tm-169
Cross Section -95.36 To 8228. %

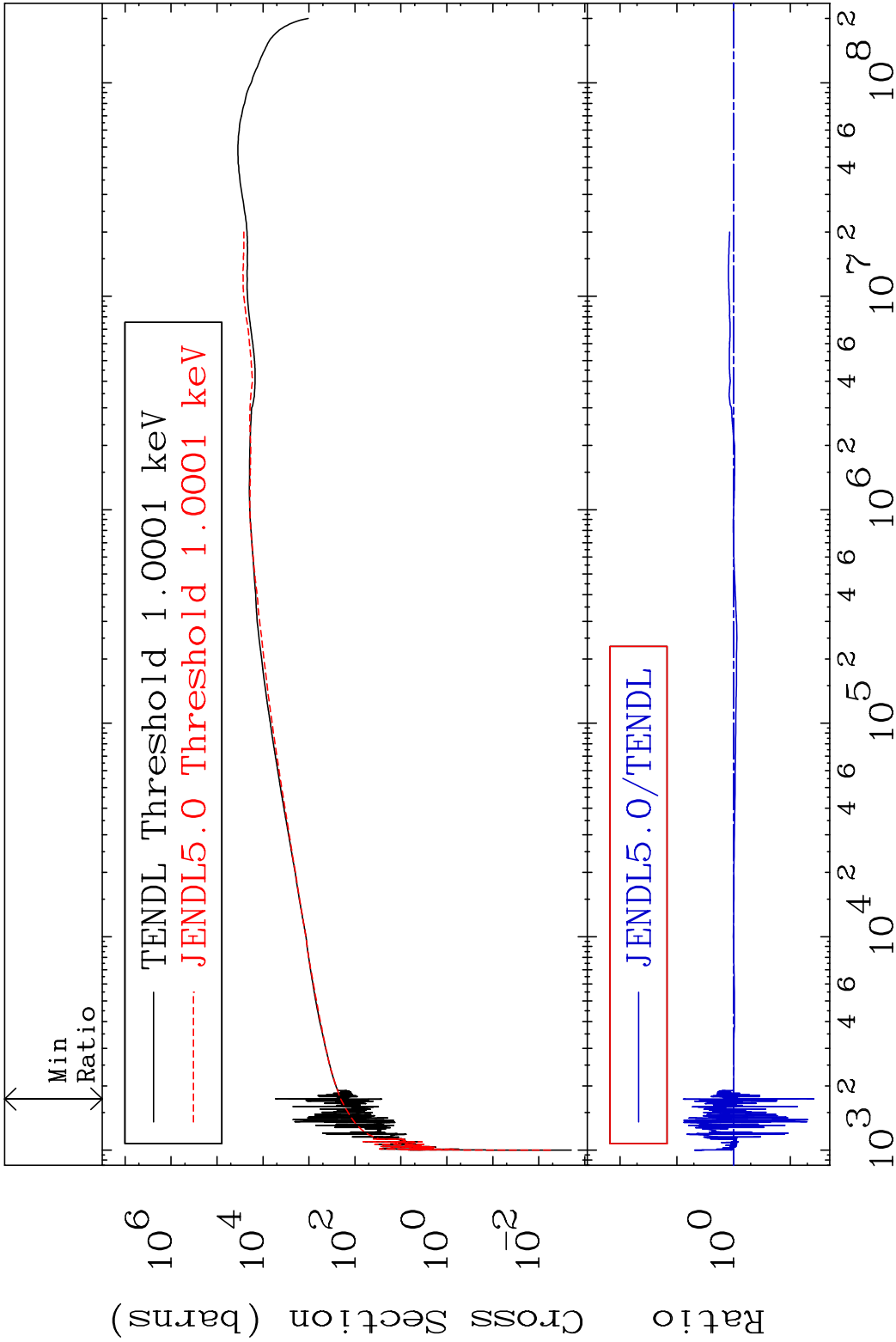


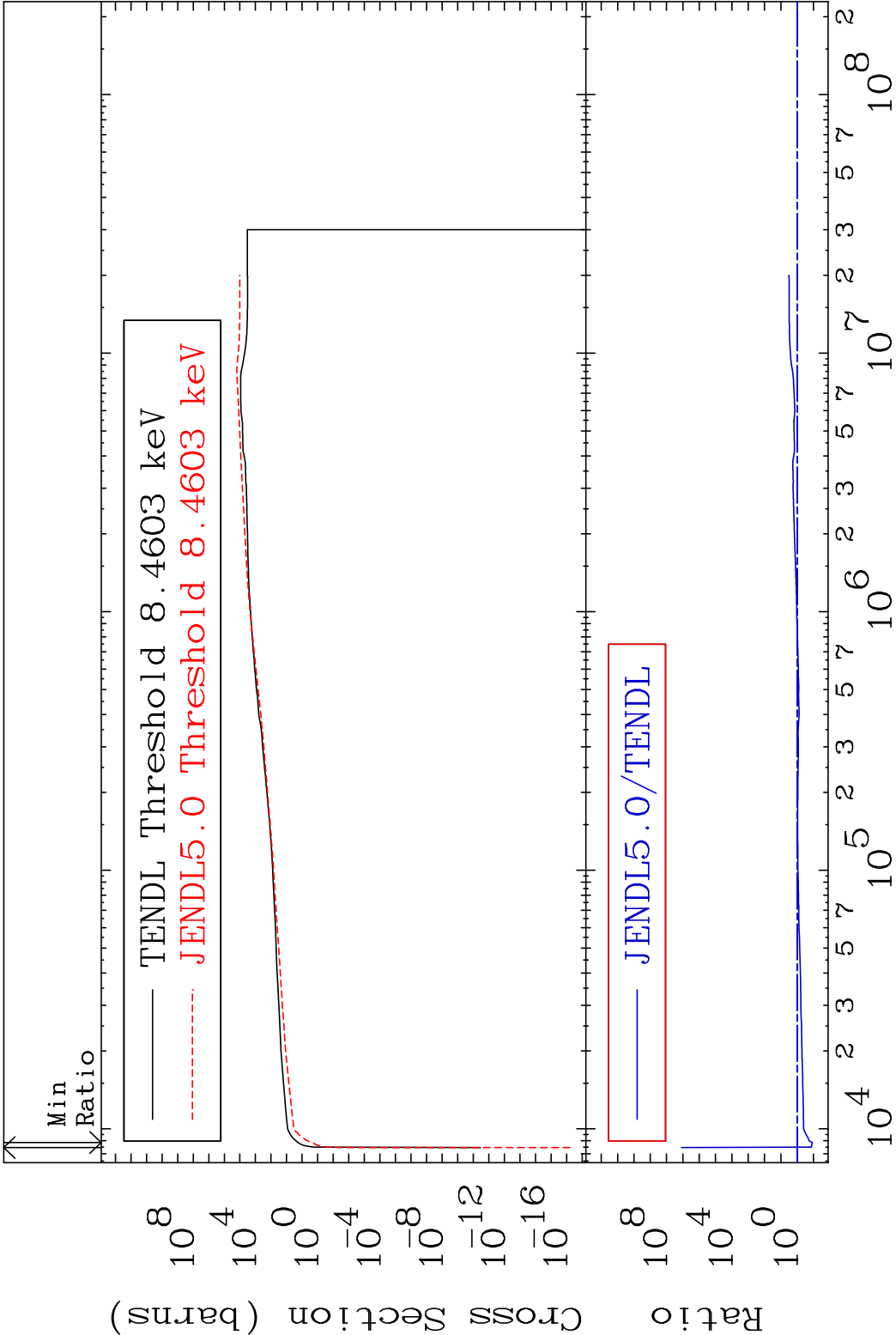
55 Incident Energy (eV) 69-Tm-169

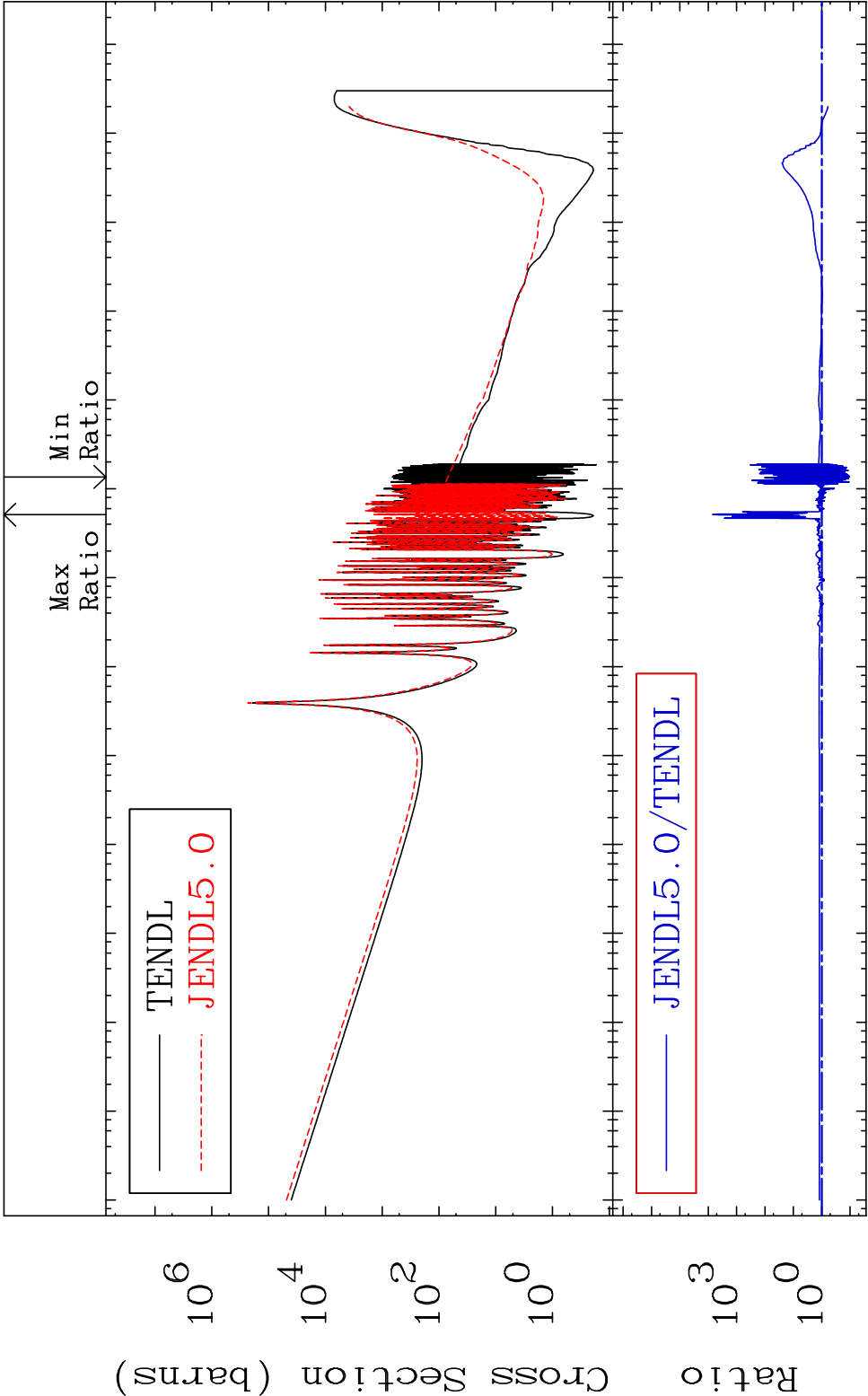
MAT 6925 Dpa total (eV-barns) 69-Tm-169
Cross Section -95.43 To 9999. %

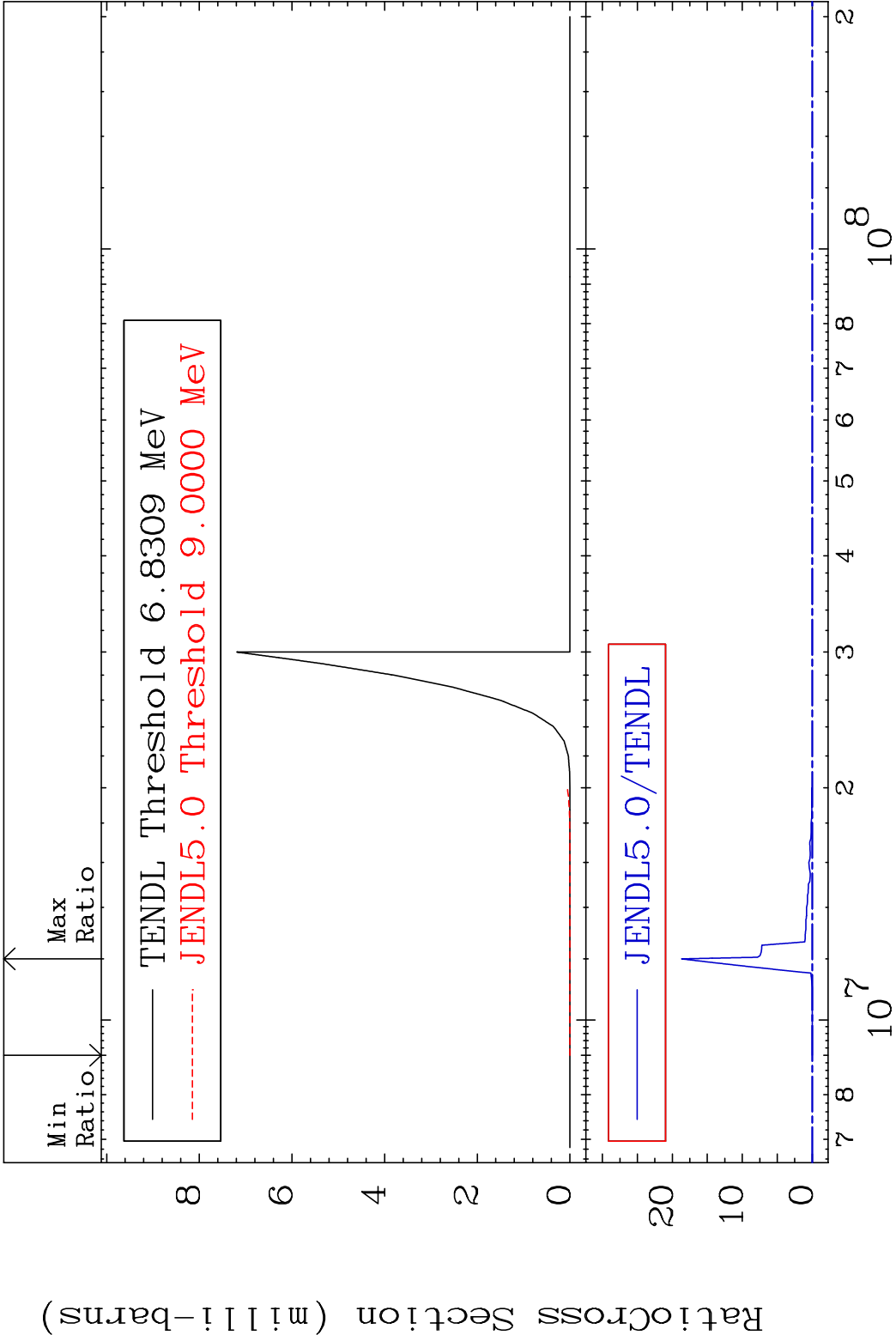


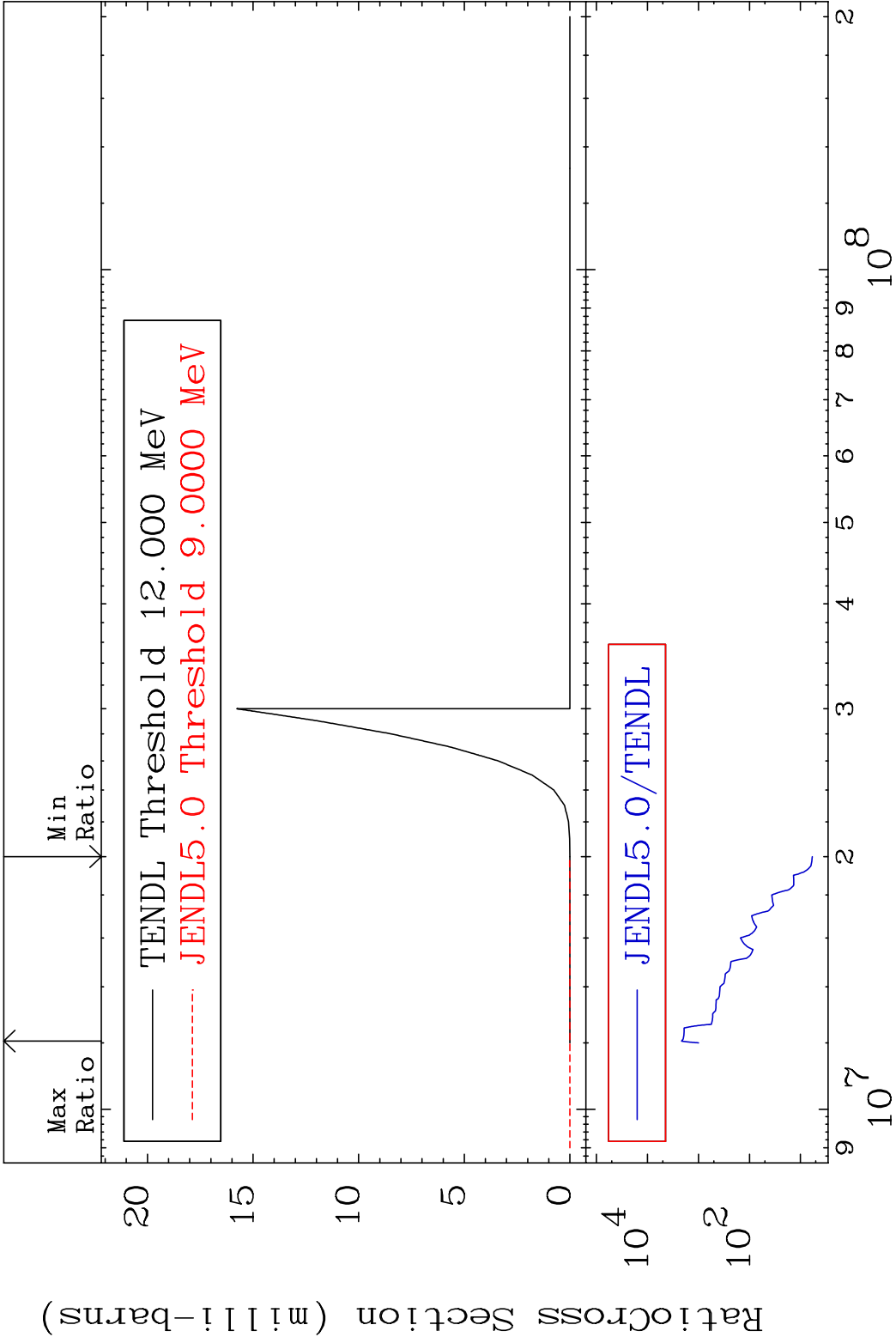
MAT 6925 Dpa elastic (mt2) 69-Tm-169
 Cross Section -96.16 To 676.1 %

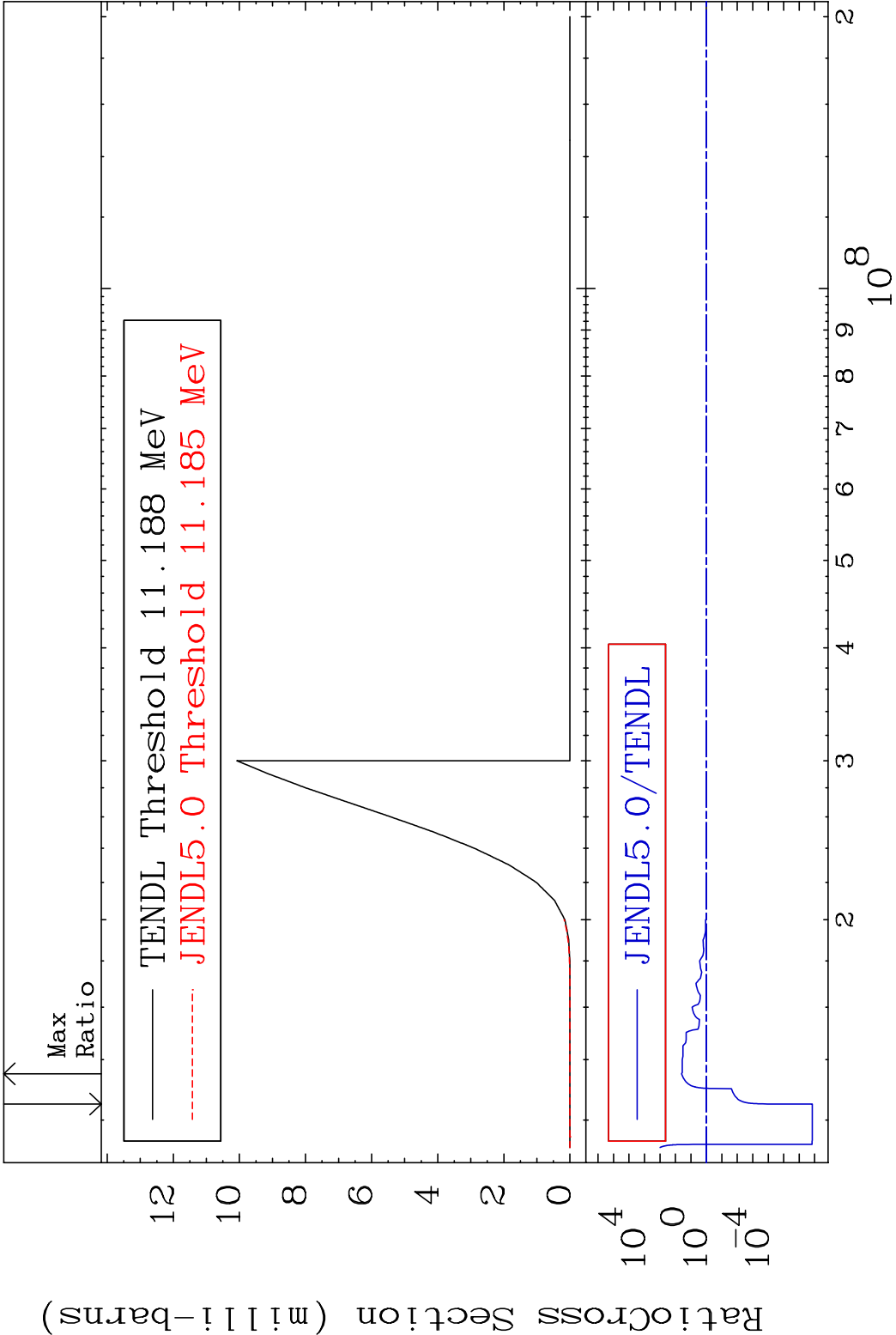


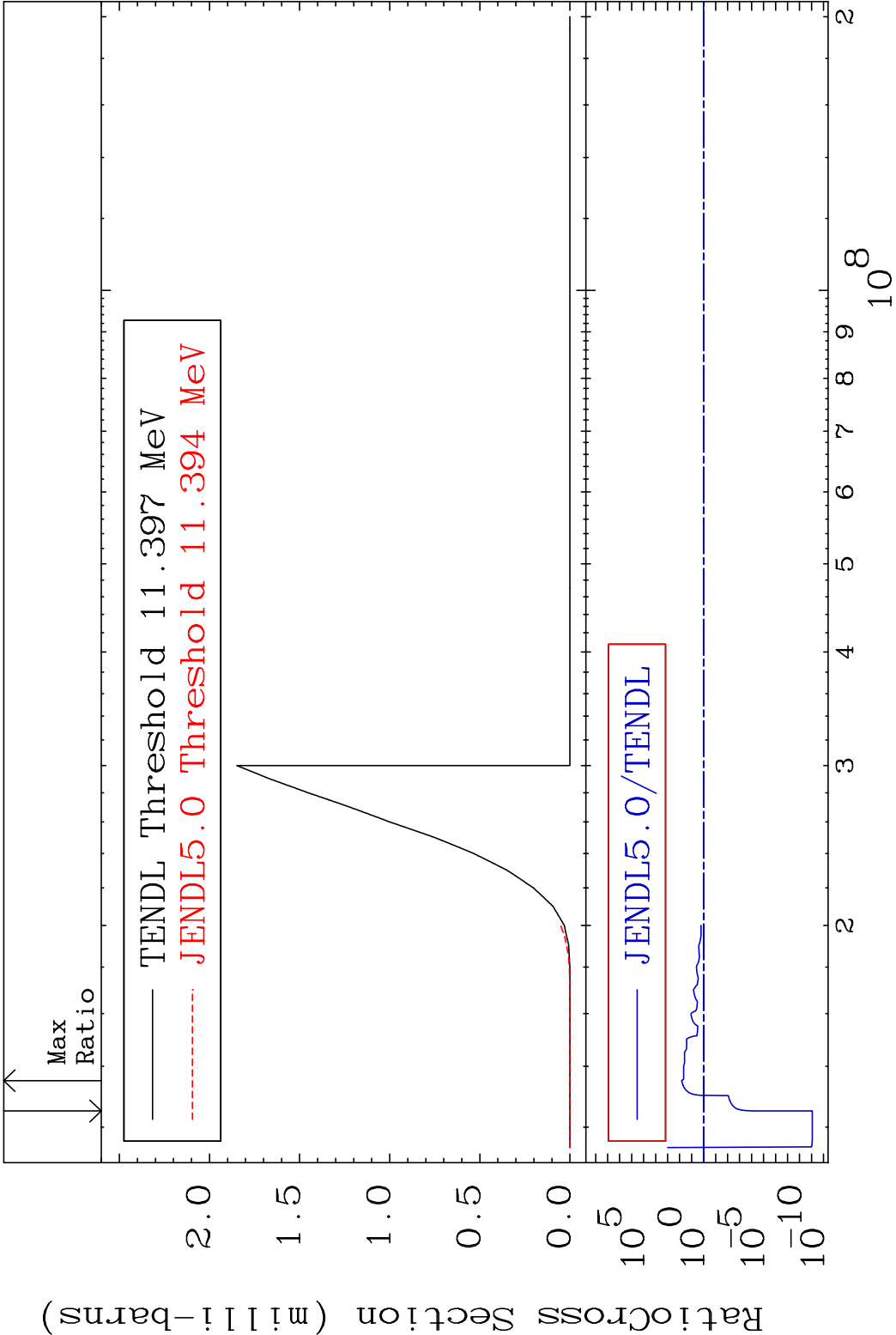


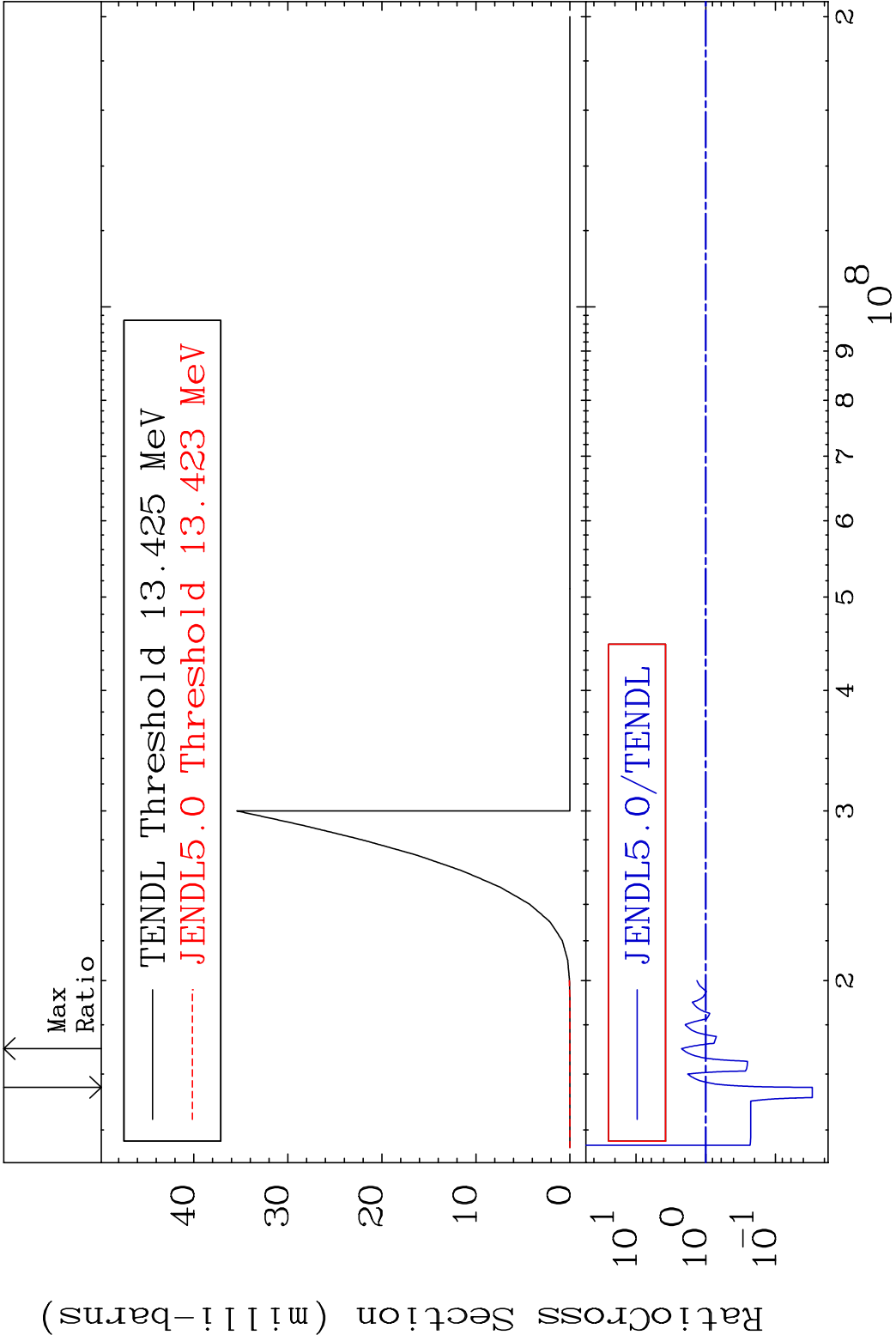


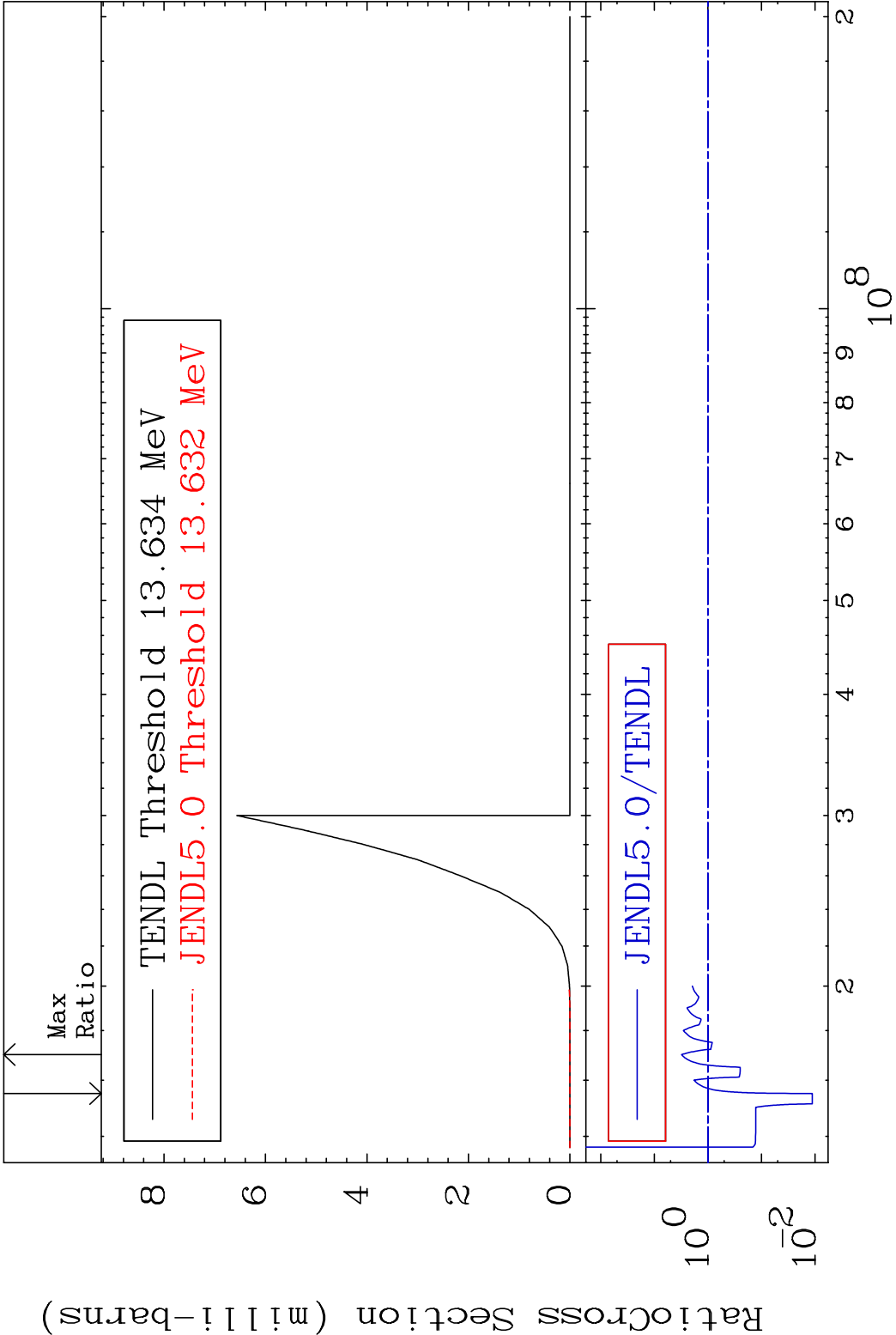




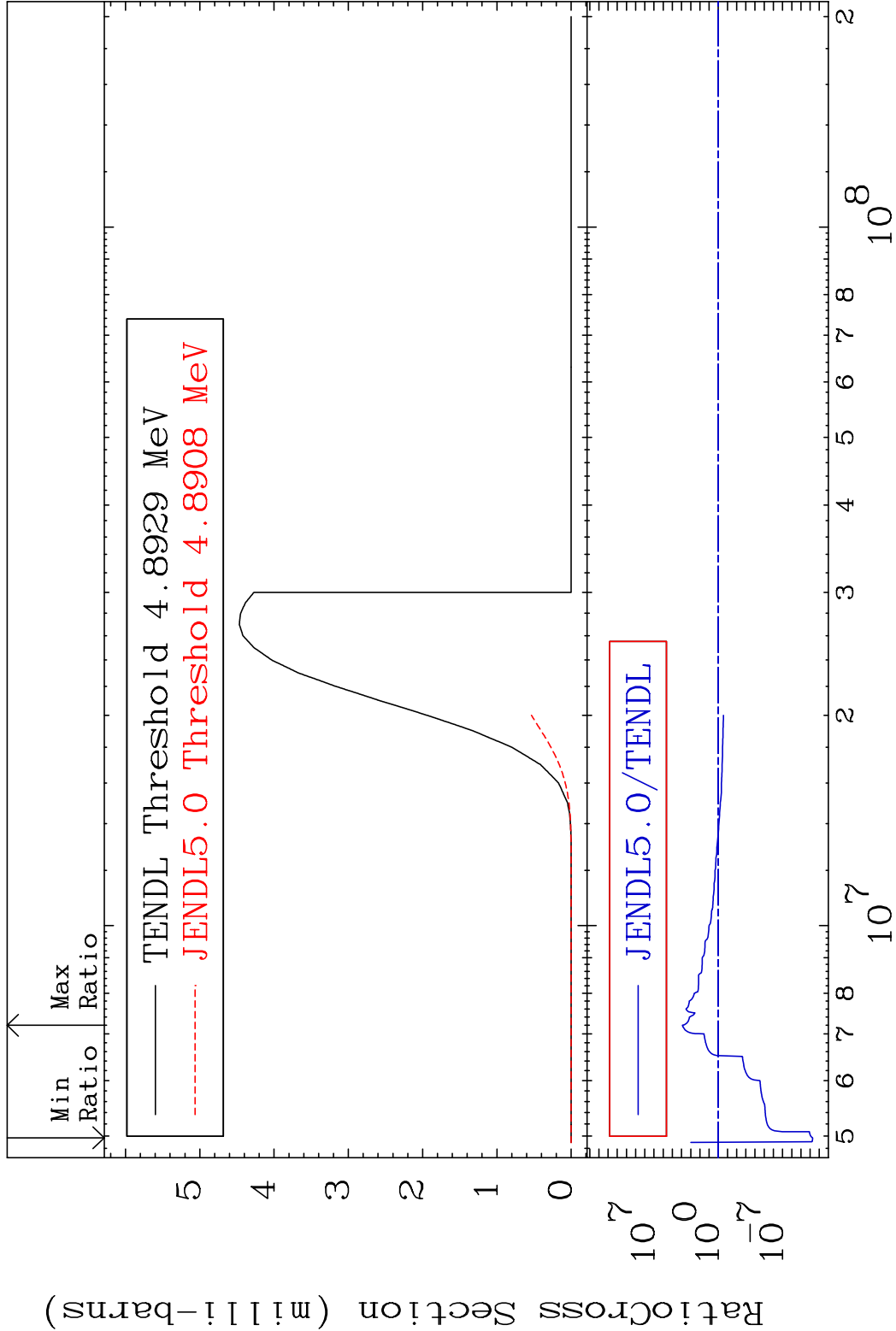


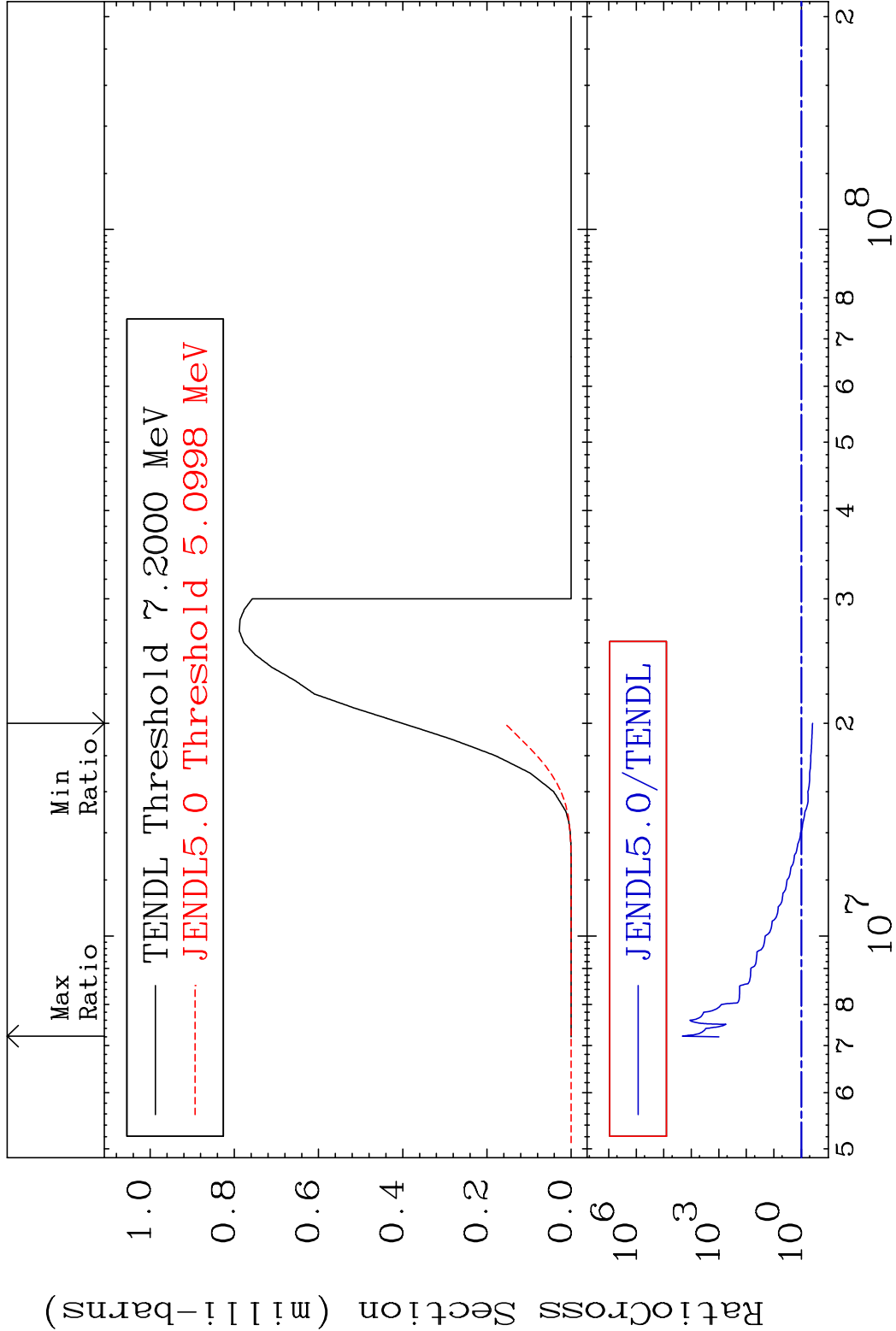


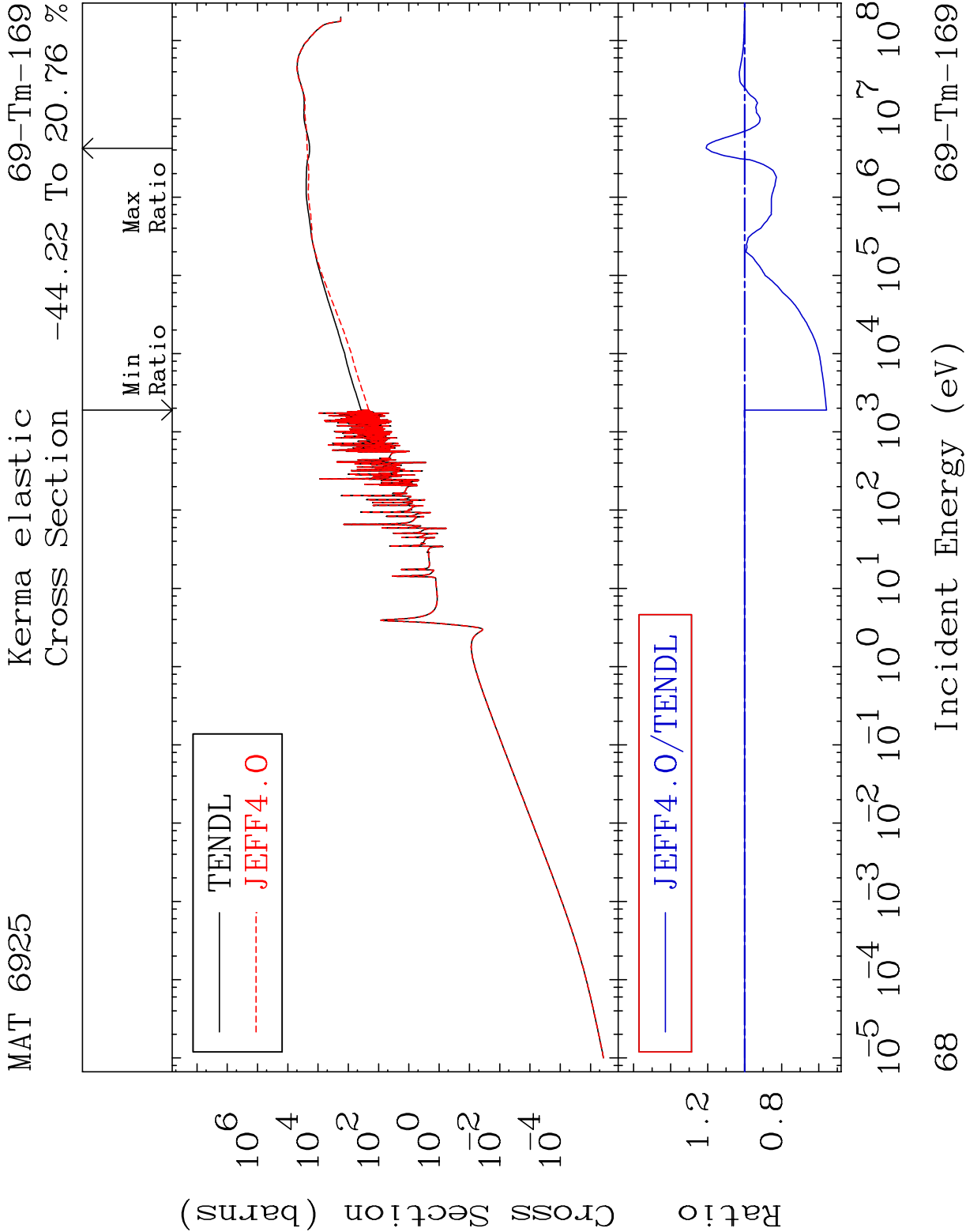




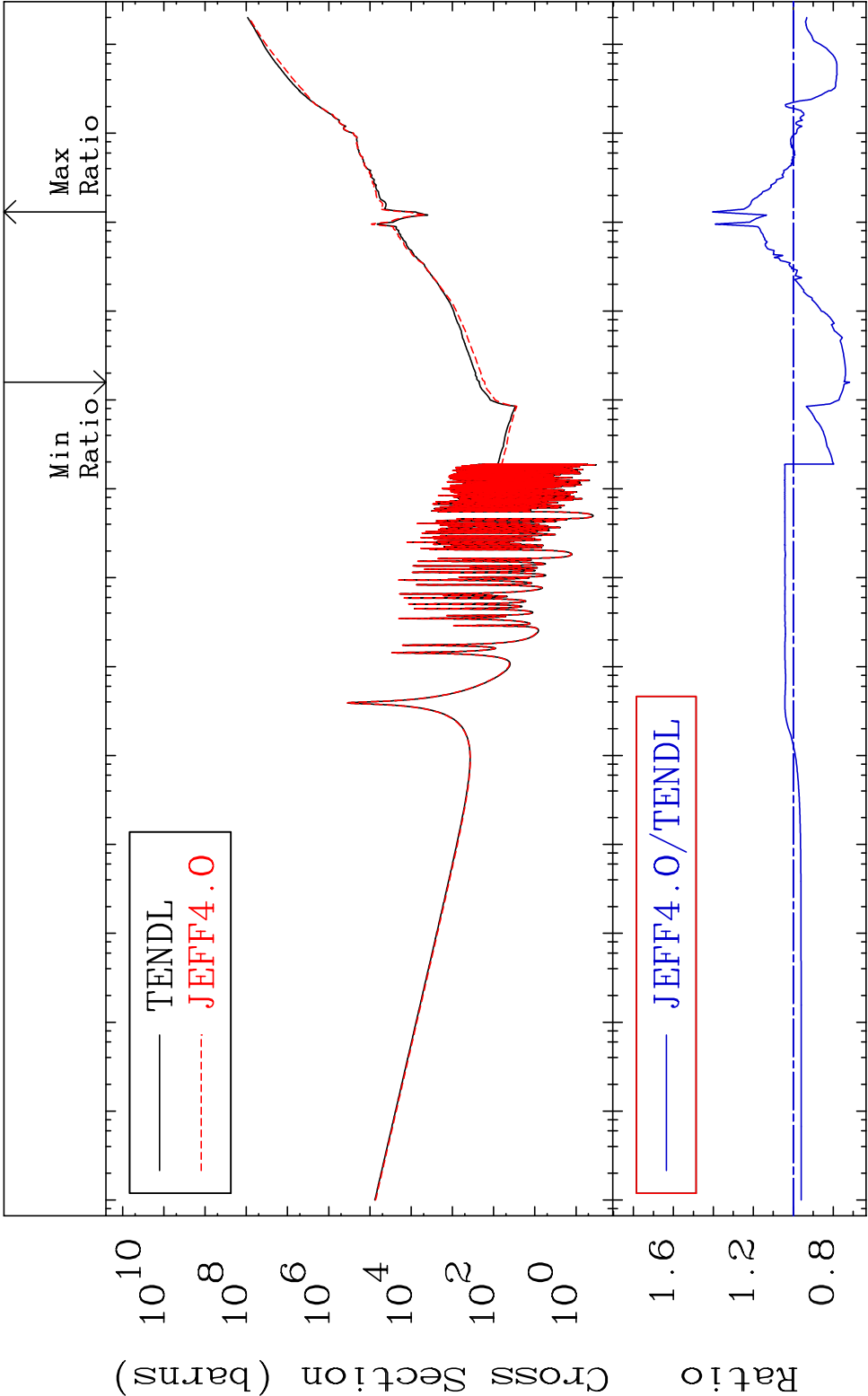
Radionuclide Production Cross Section (mb)

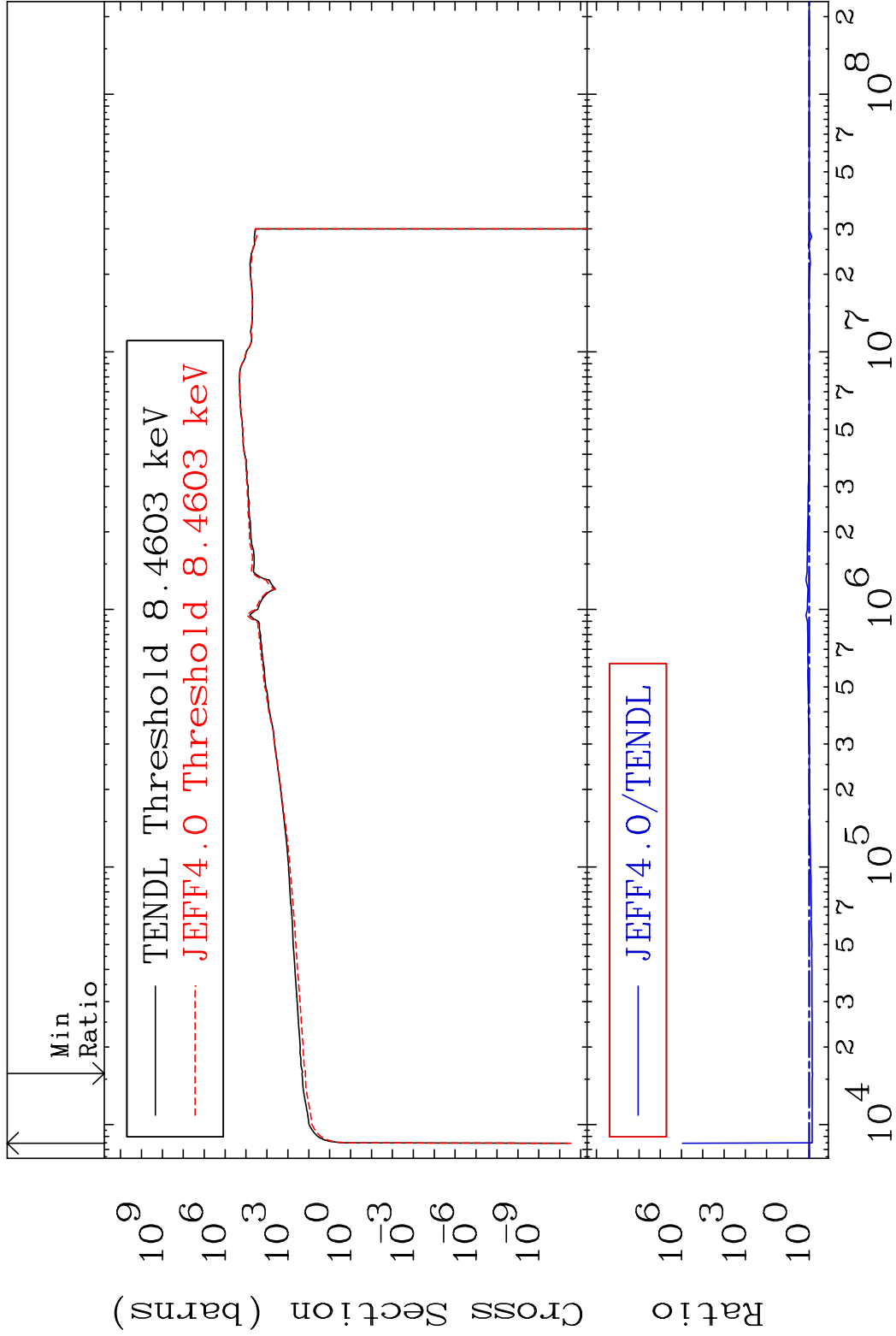




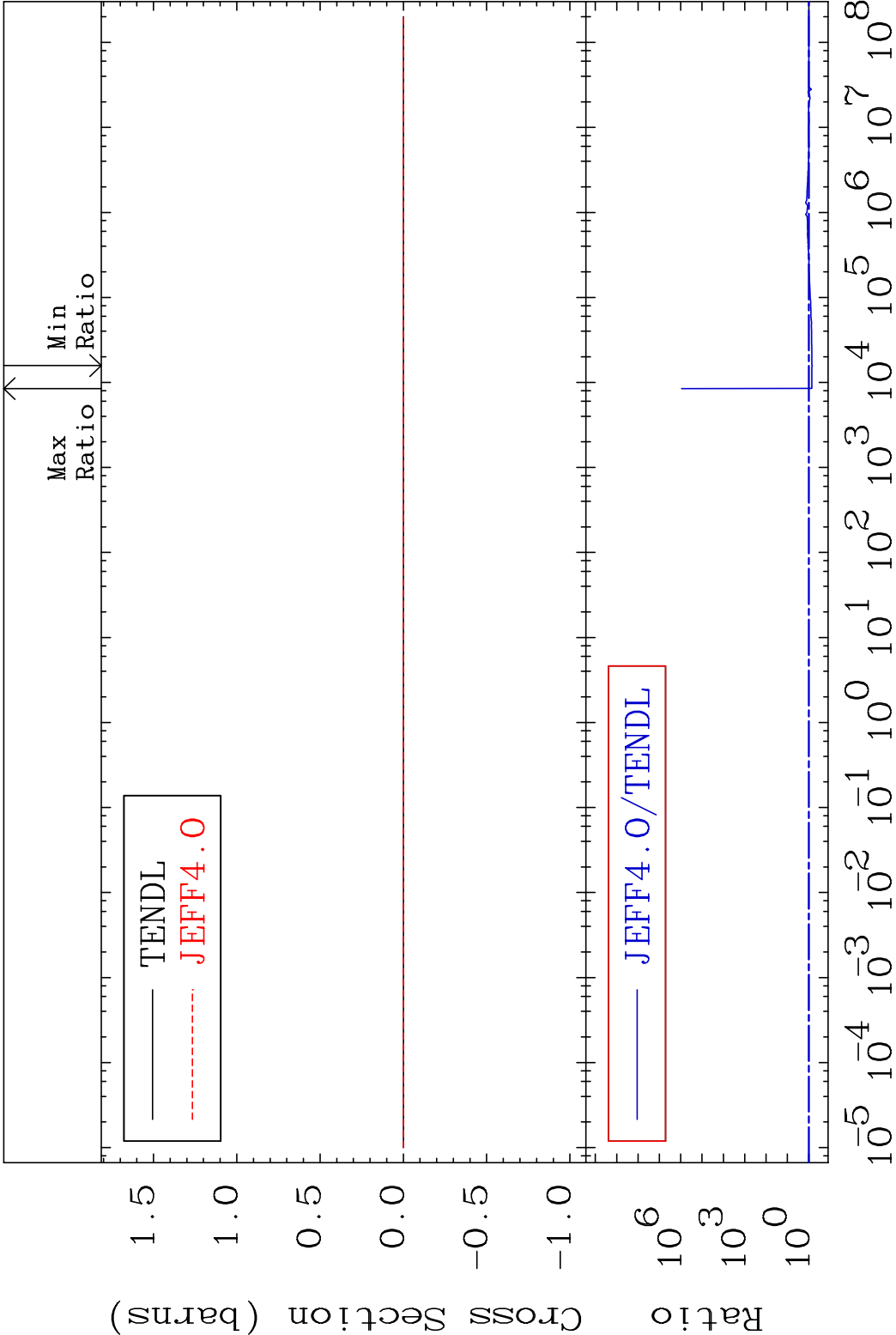


MAT 6925 Kerma non-elastic (all but mt2) 69-Tm-169
Cross Section -28.17 To 40.26 %

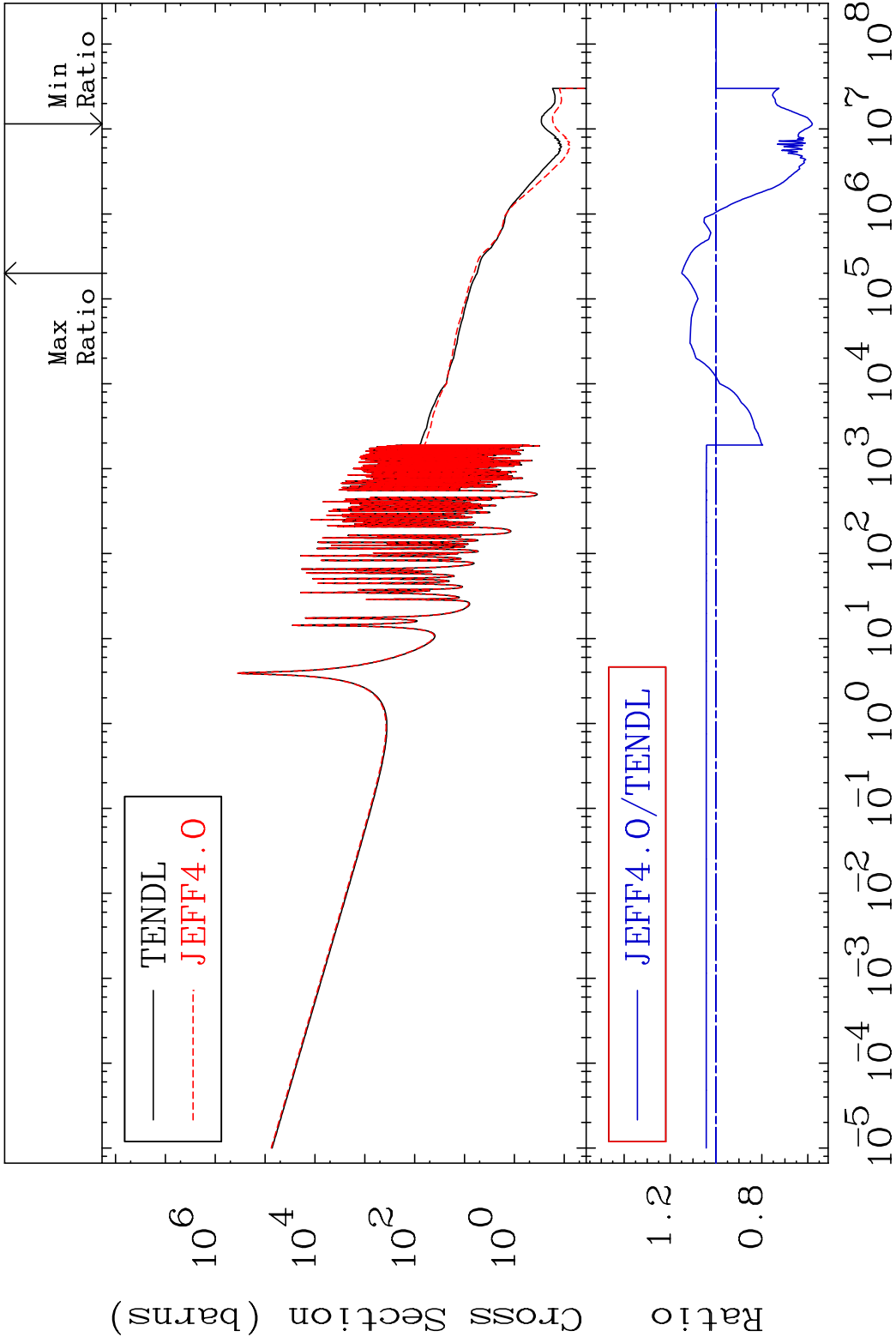




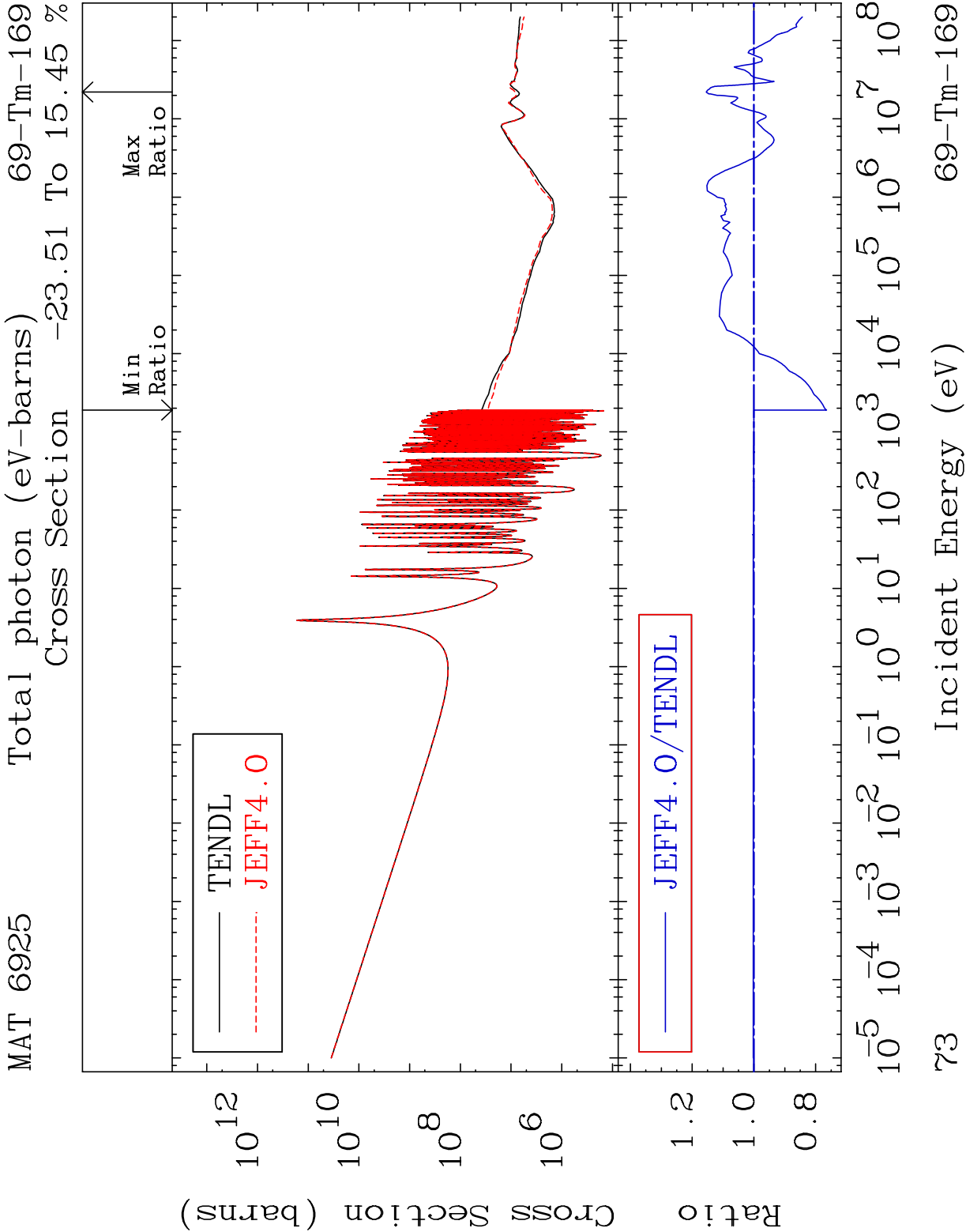
MAT 6925 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-169
Cross Section -31.12 To 9999. %



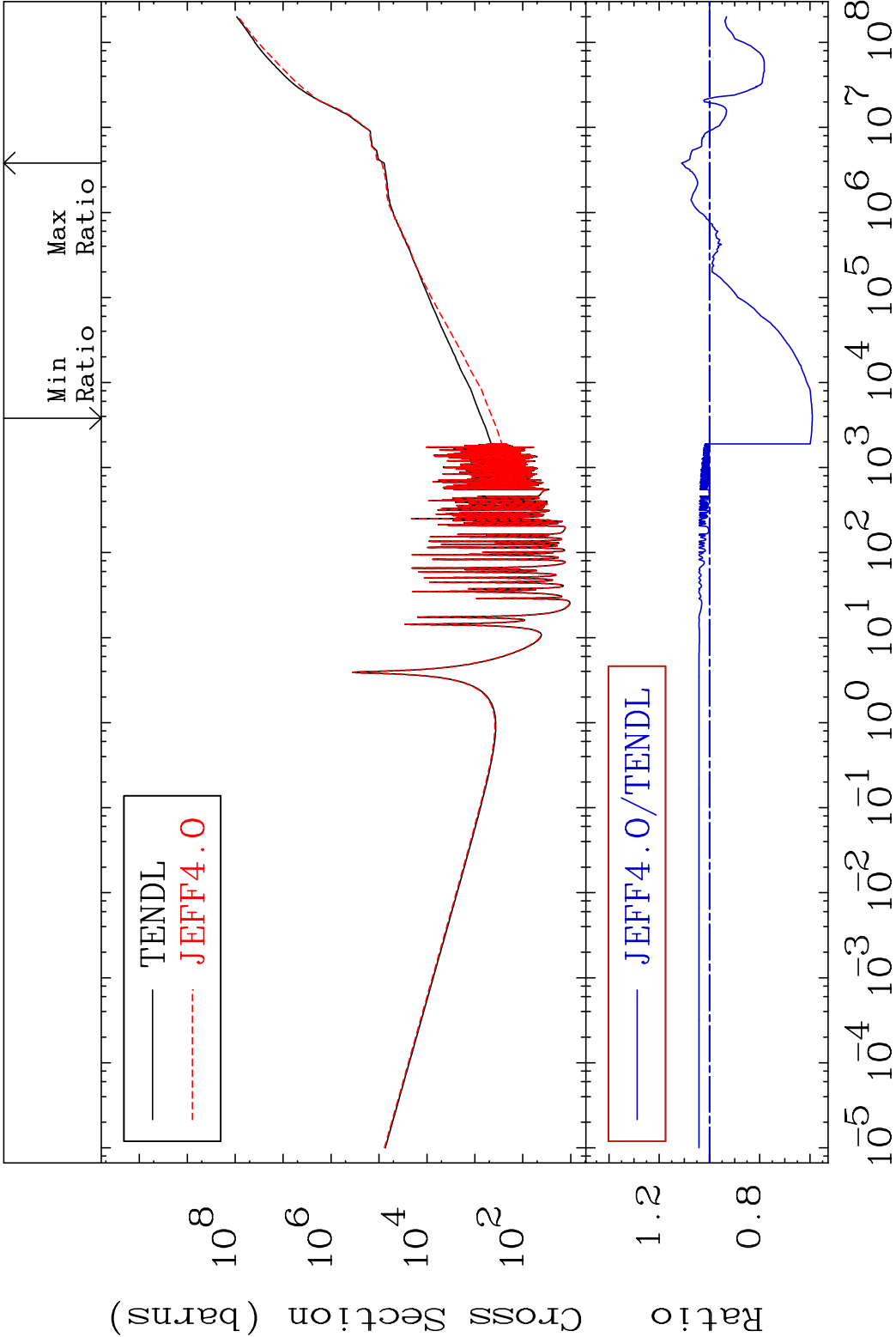
MAT 6925 Kerma capture (mt102) 69-Tm-169
Cross Section -41.99 To 14.92 %

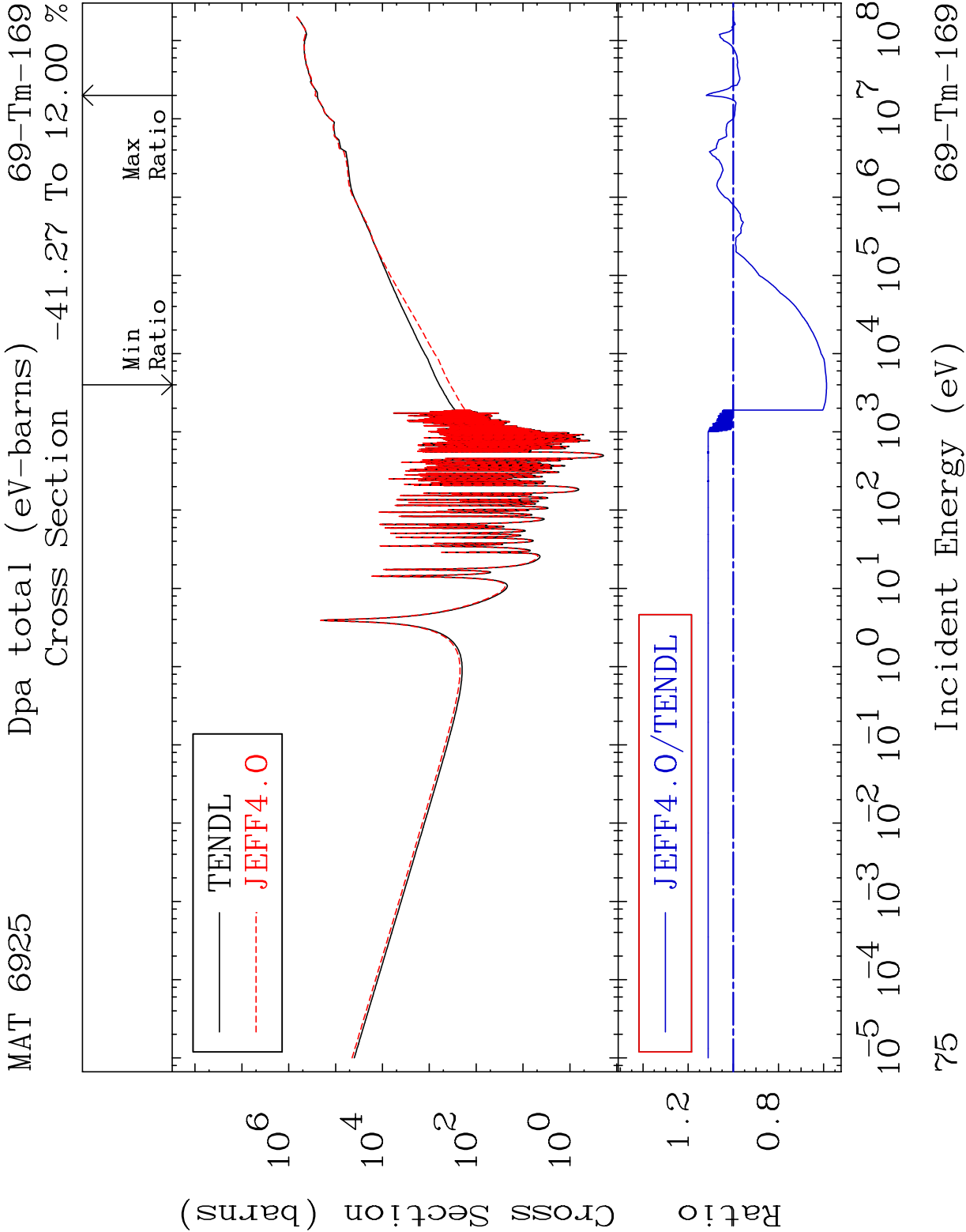


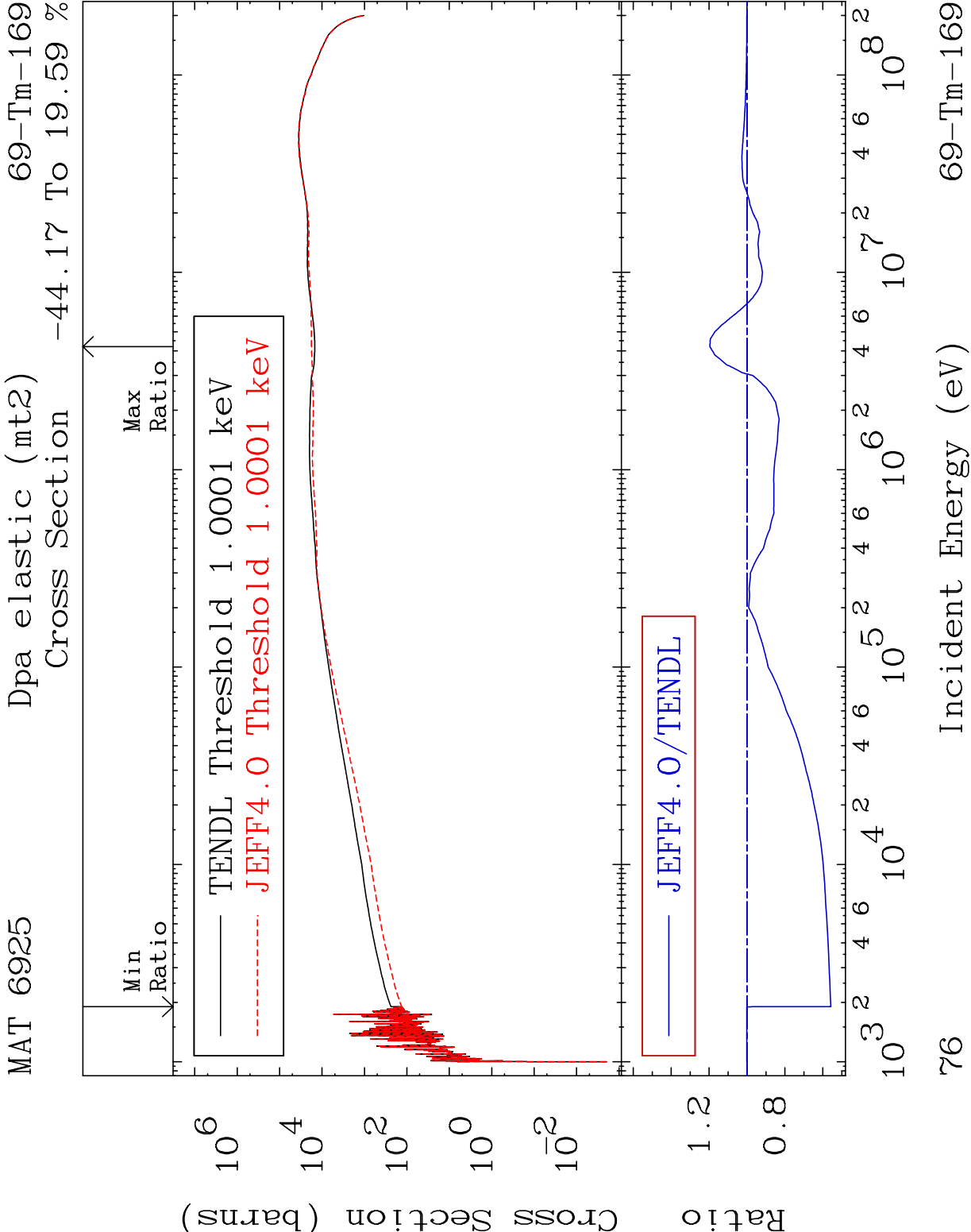
72 Incident Energy (eV) 69-Tm-169



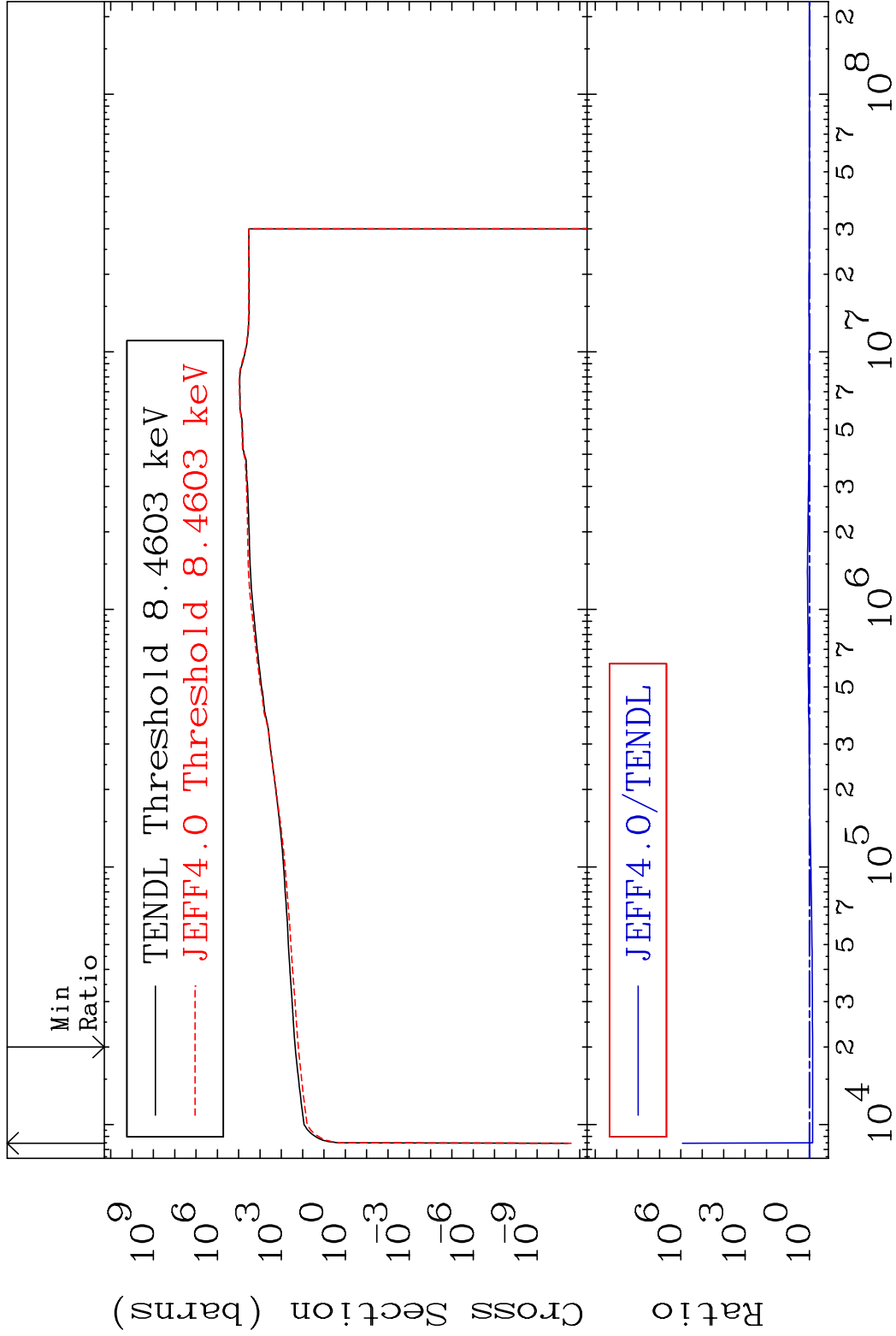
MAT 6925 Total kinematic kerma (high limit) 69-Tm-169
Cross Section -40.90 To 11.11 %



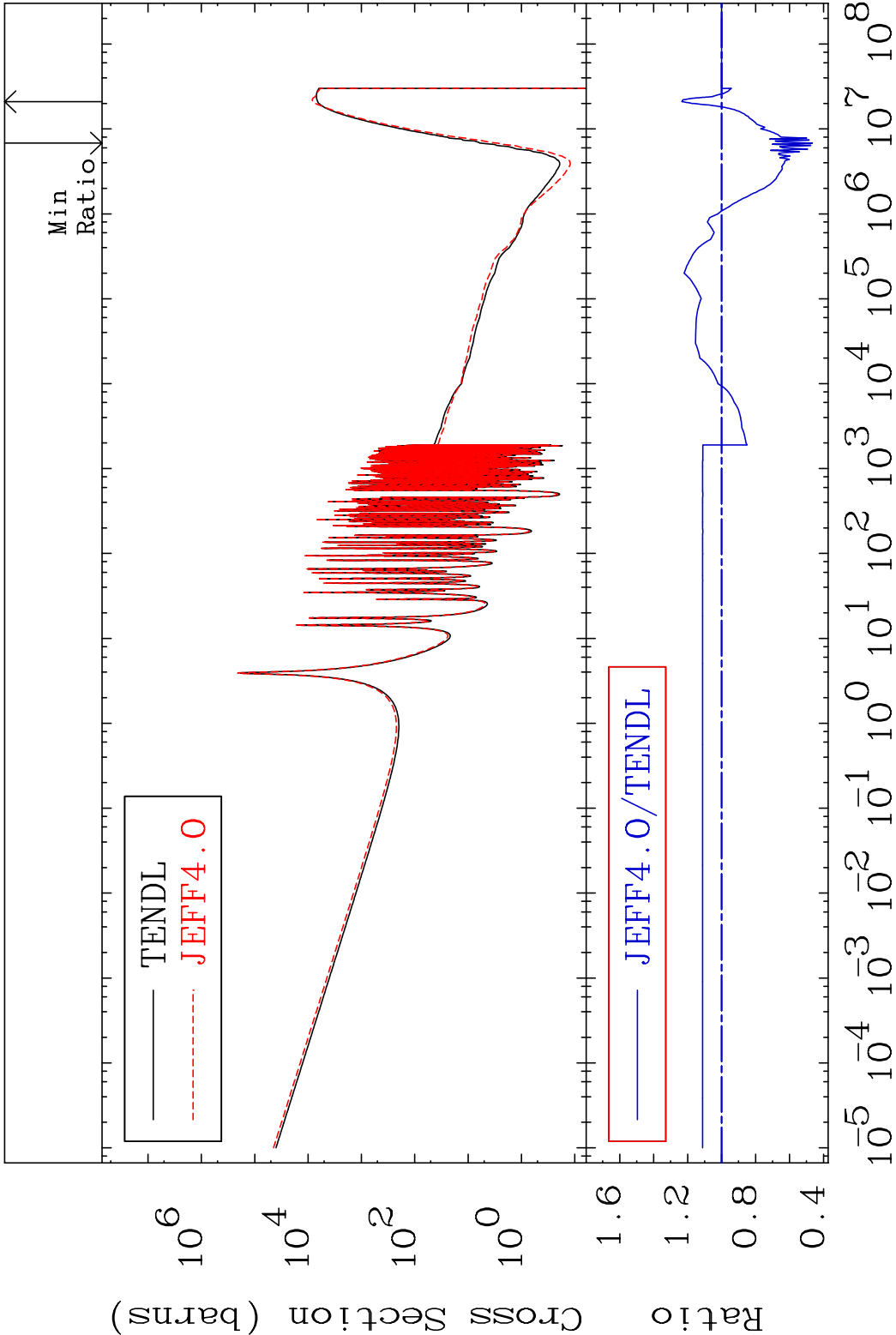




MAT 6925 Dpa inelastic (mt51-91) 69-Tm-169
Cross Section -28.46 To 9999. %



MAT 6925 Dpa disappearance (mt102 -120) 69-Tm-169
Cross Section -53.42 To 23.48 %



78 Incident Energy (eV) 69-Tm-169

