

Program Complot
(Version 2021-1)

by

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U.S.A.

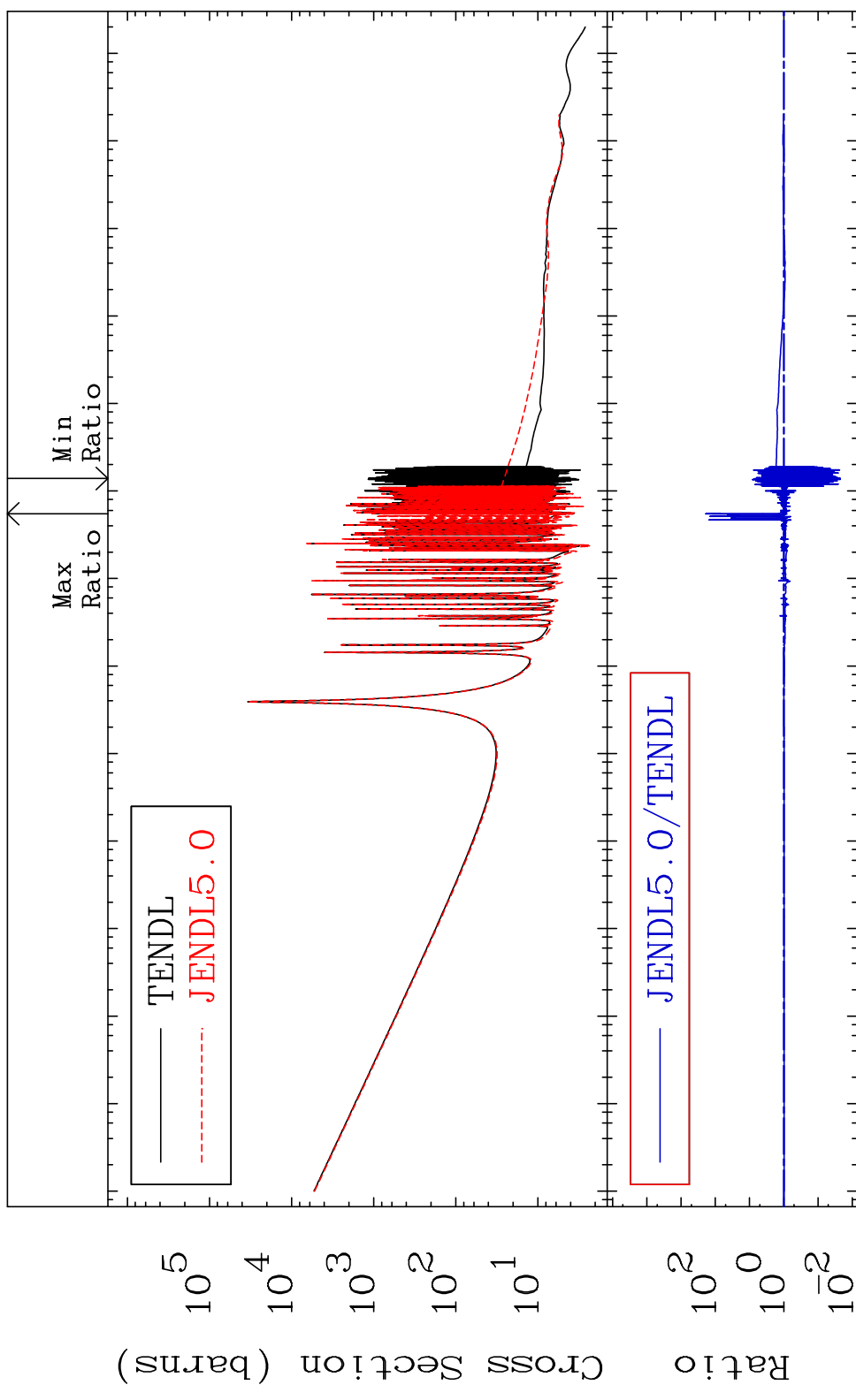
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E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6925

Total Cross Section -97.79 To 9999. %
69-Tm-169



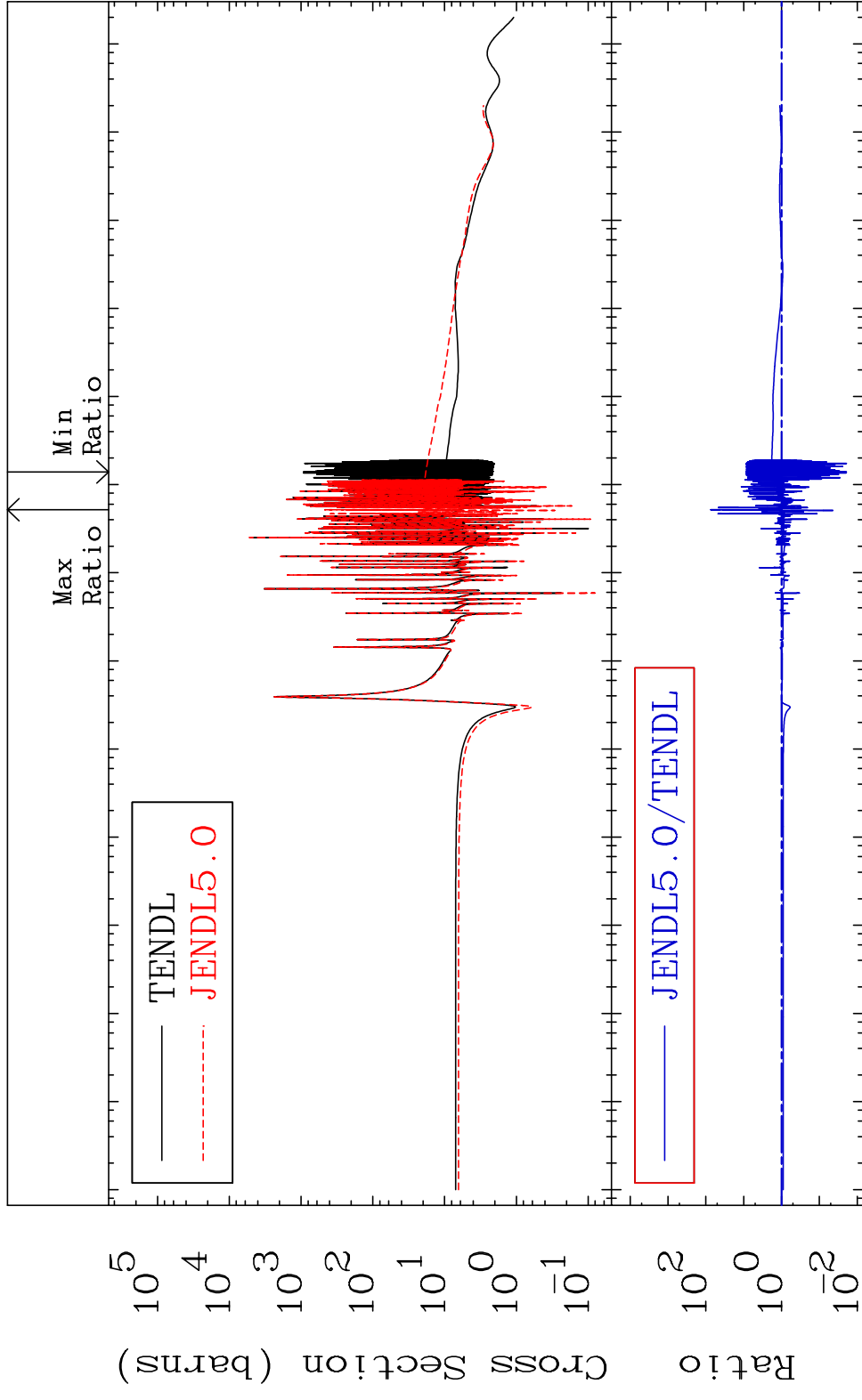
1 Incident Energy (eV) 69-Tm-169

MAT 6925

Elastic

69-Tm-169

Cross Section -98.06 To 7330. %



2

Incident Energy (eV)

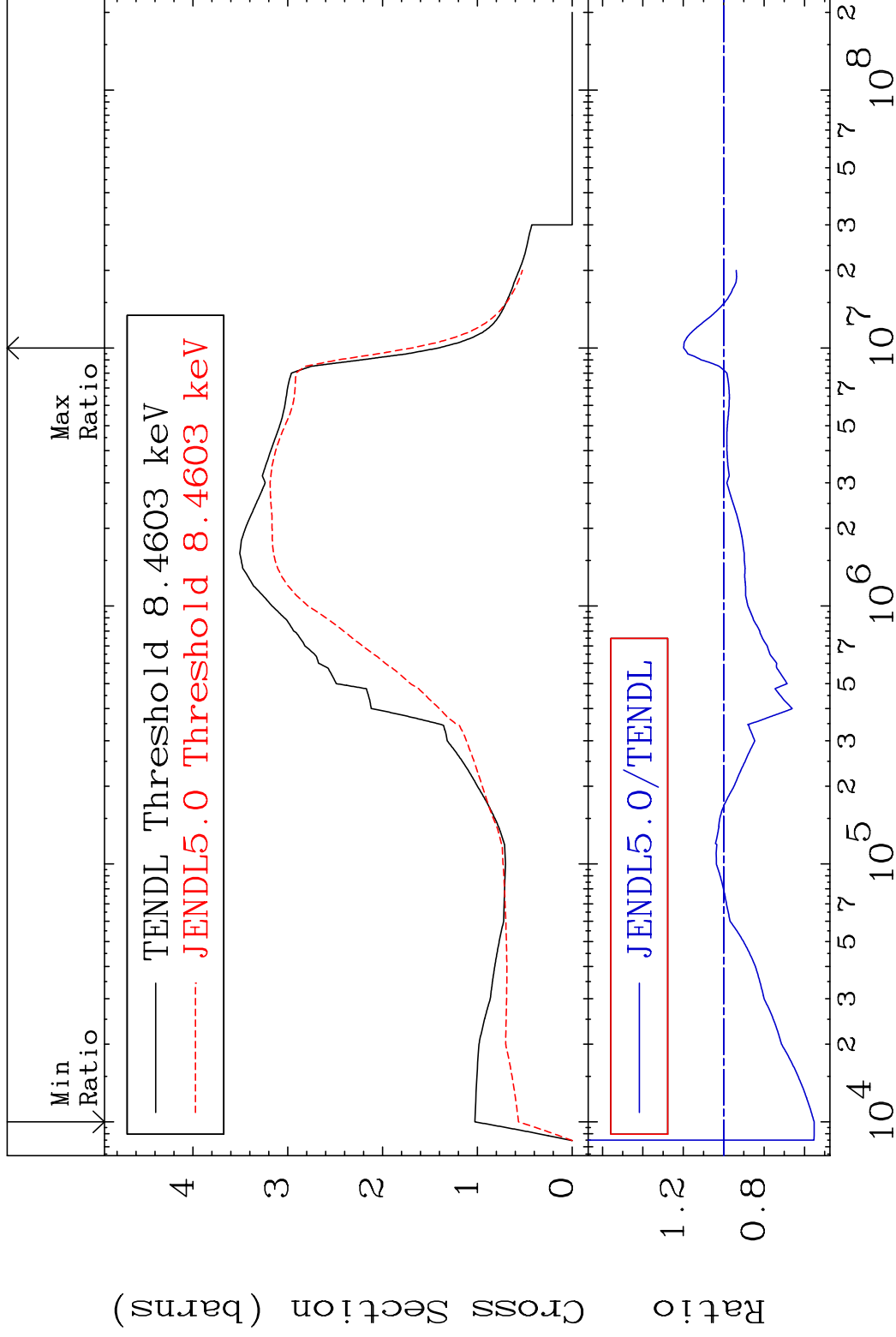
69-Tm-169

MAT 6925

Inelastic

69-Tm-169

Cross Section -44.77 To 19.81 %



3

Incident Energy (eV)

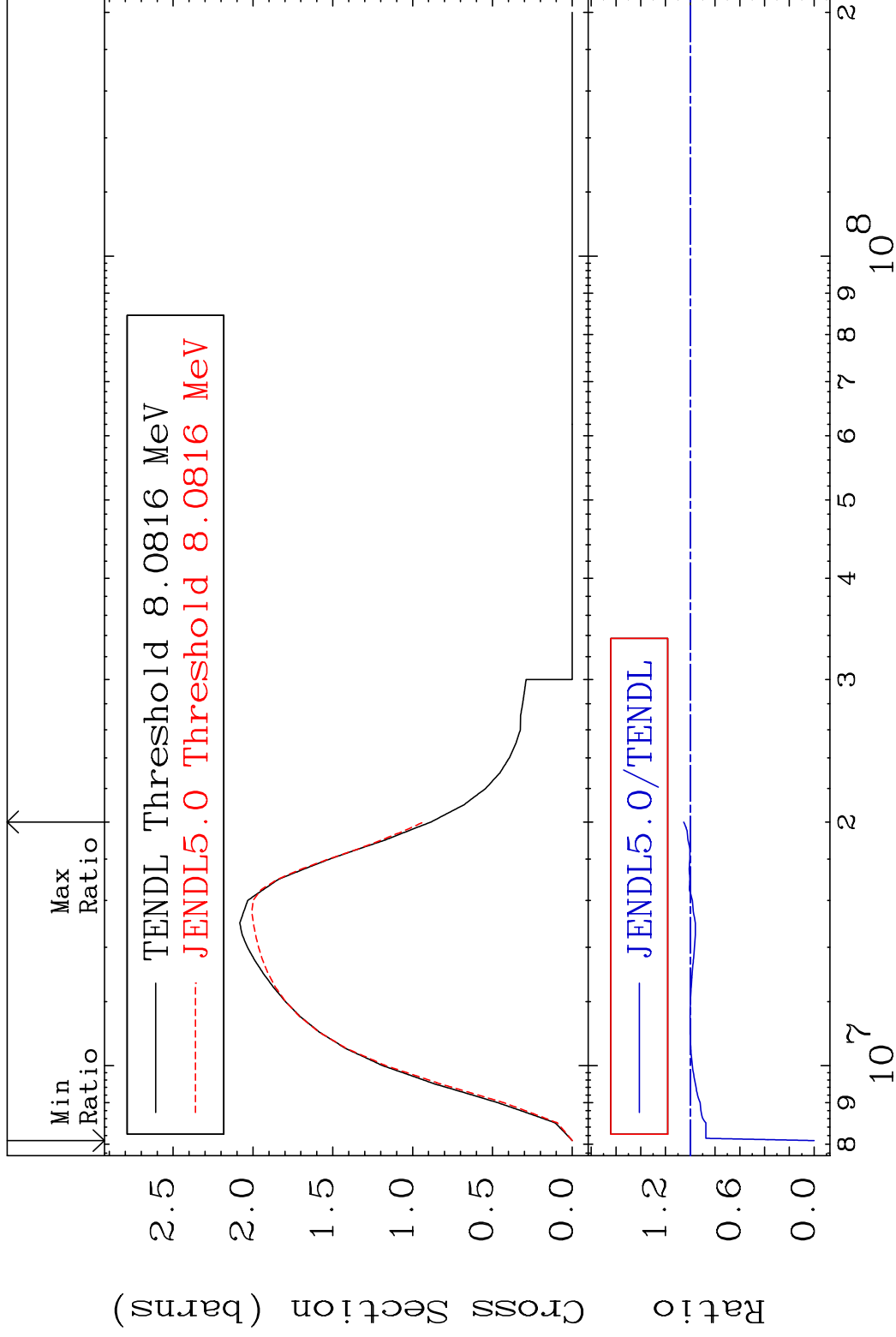
69-Tm-169

MAT 6925

(n,2n)

69-Tm-169

Cross Section -100.0 To 5.345 %



4

Incident Energy (eV)

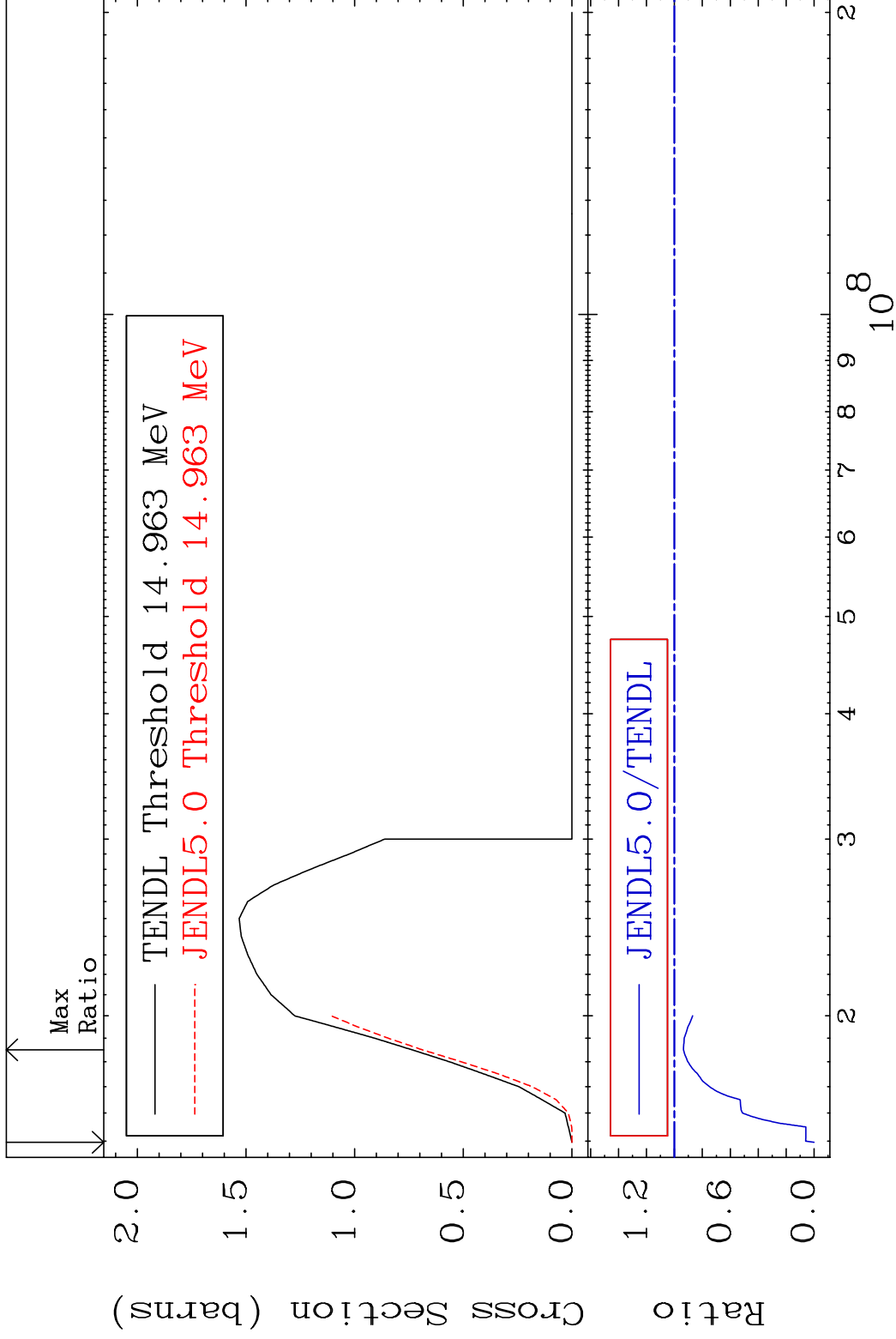
69-Tm-169

MAT 6925

(n,3n)

69-Tm-169

Cross Section -100.0 To -6.465%



5

Incident Energy (eV)

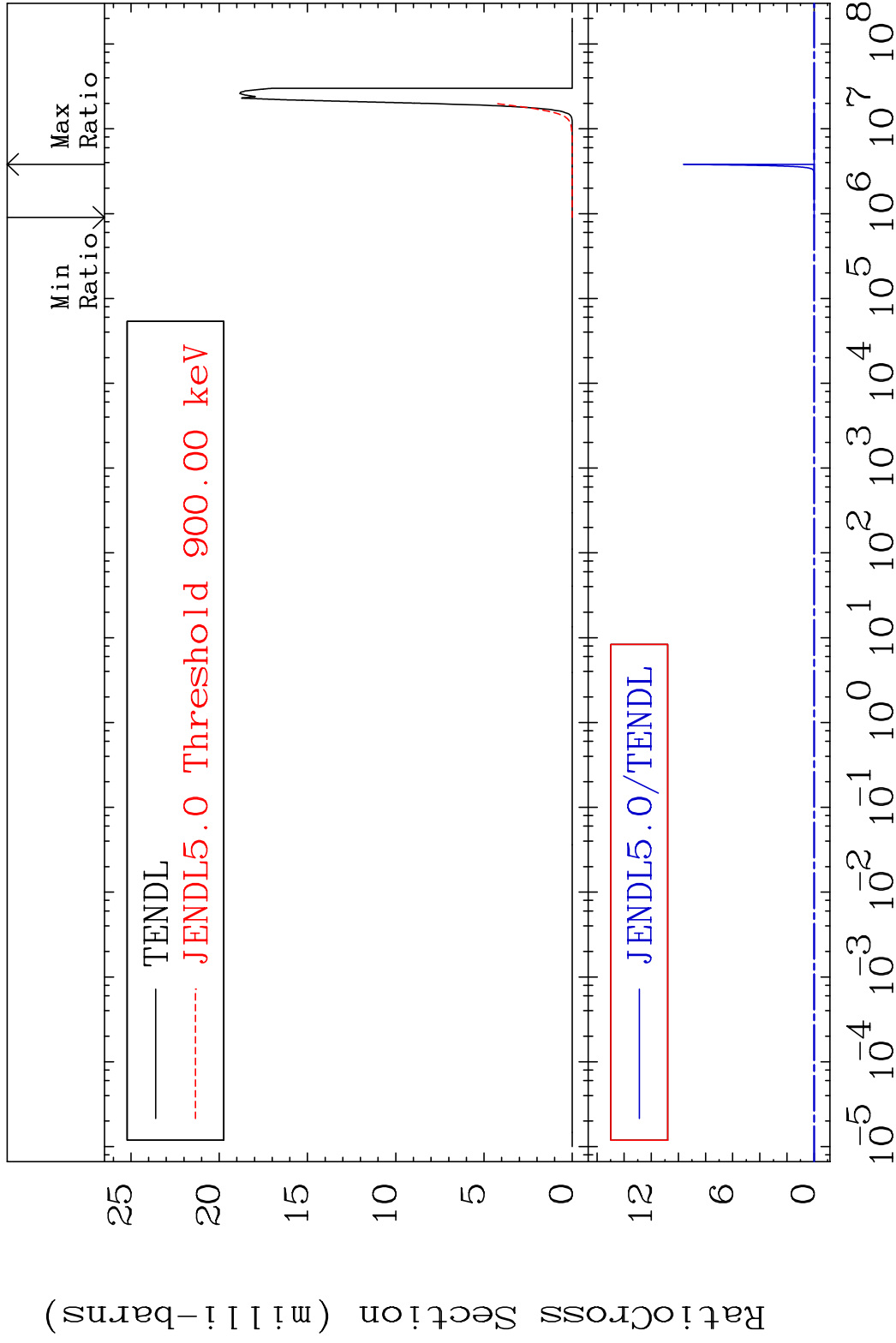
69-Tm-169

MAT 6925

(n, n') α

69-Tm-169

Cross Section -100.0 To 9999. %

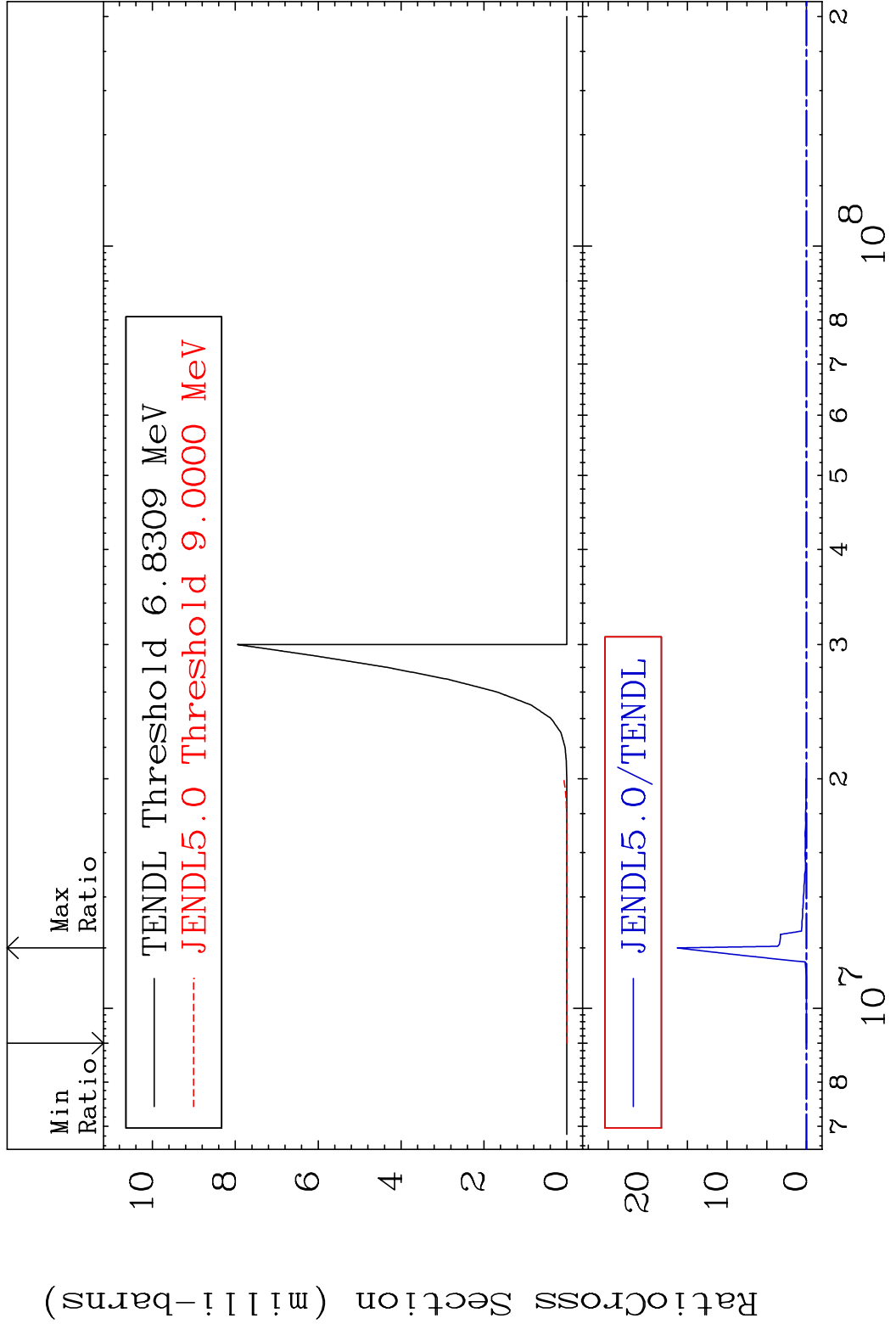


6

Incident Energy (eV)

69-Tm-169

MAT 6925 (n,2n) α 69-Tm-169
 Cross Section -100.0 To 9999. %



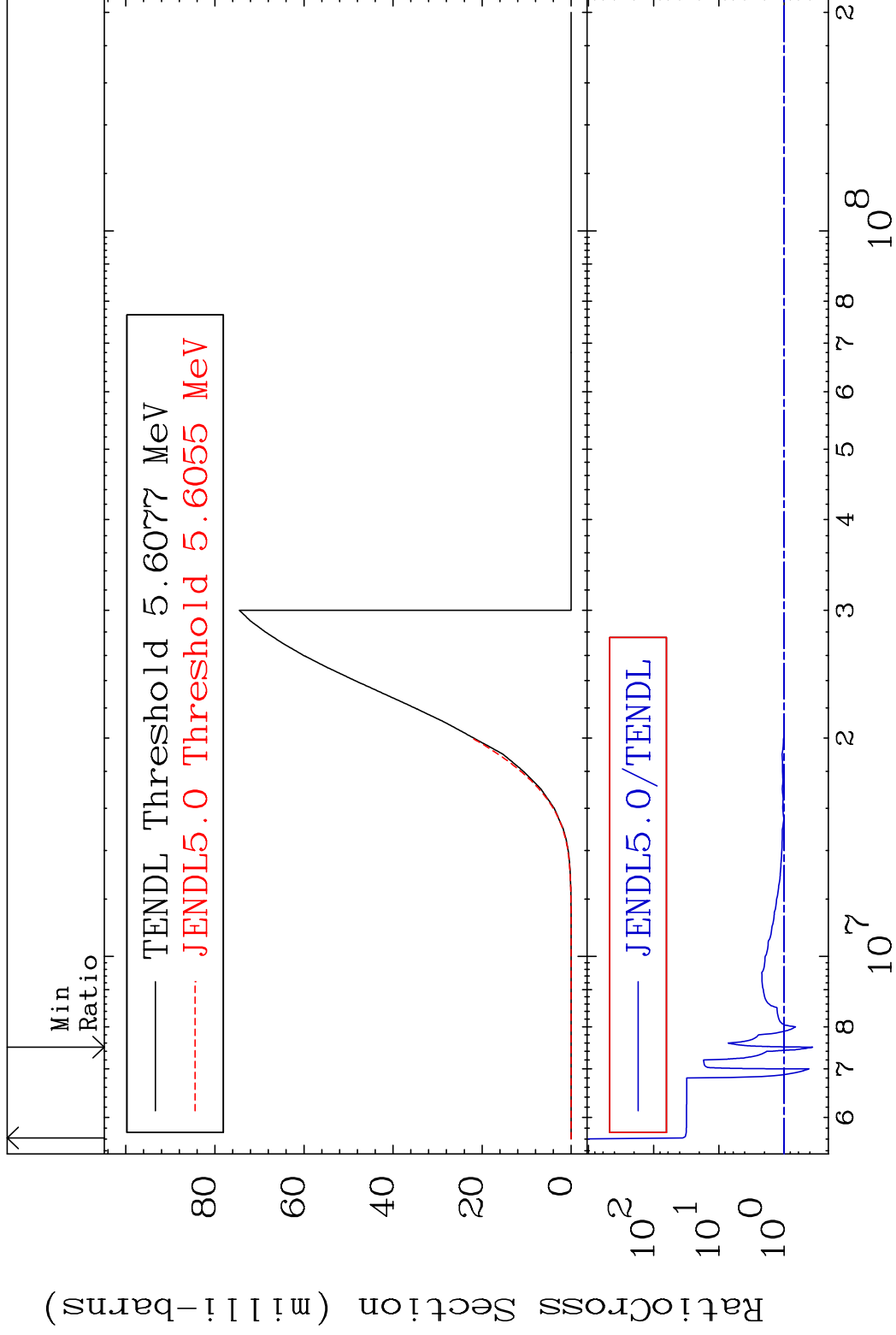
7 Incident Energy (eV) 69-Tm-169

MAT 6925

(n, n') p

69-Tm-169

Cross Section -63.54 To 3527. %



8

Incident Energy (eV)

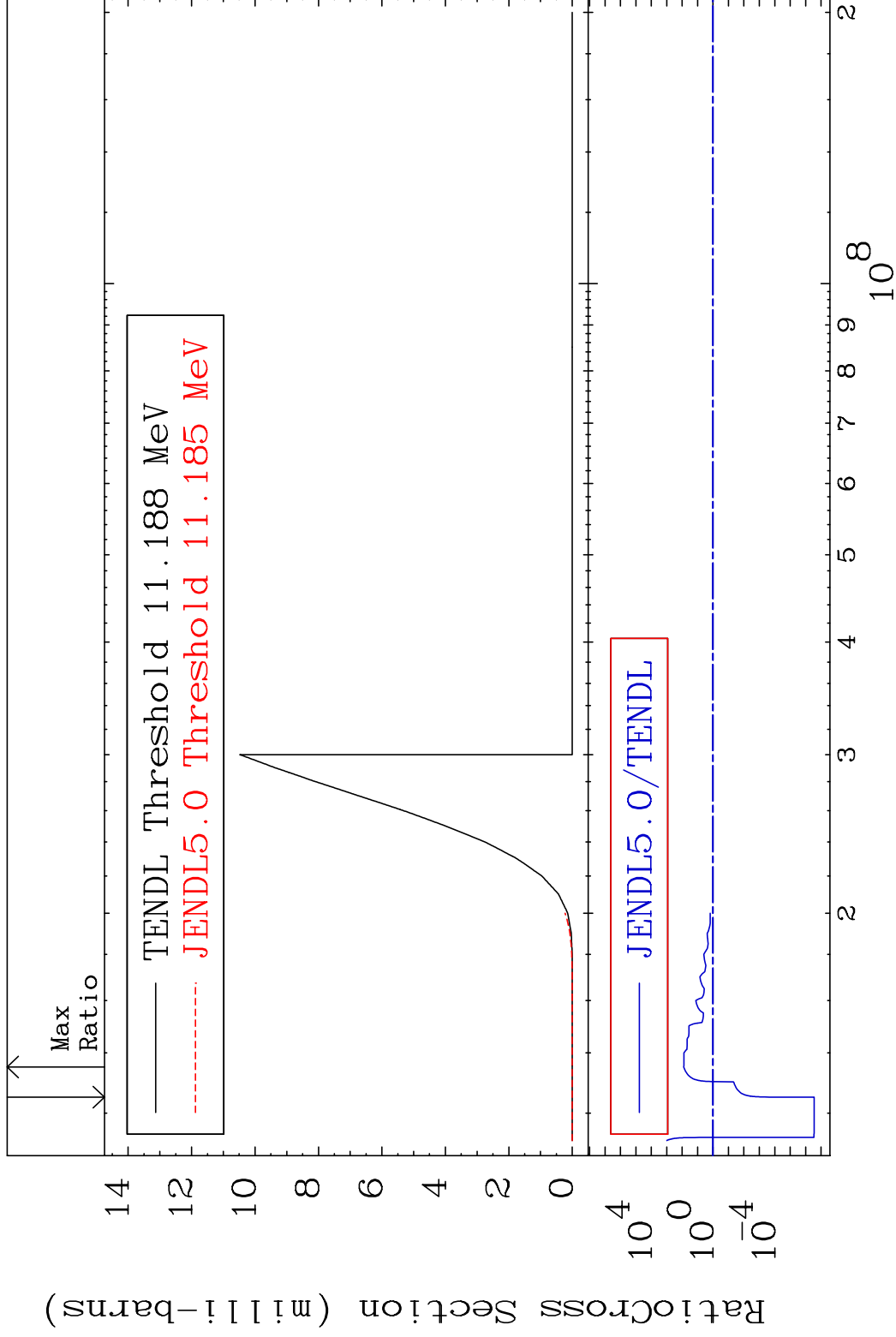
69-Tm-169

MAT 6925

(n, n') d

69-Tm-169

Cross Section -100.0 To 7921. %

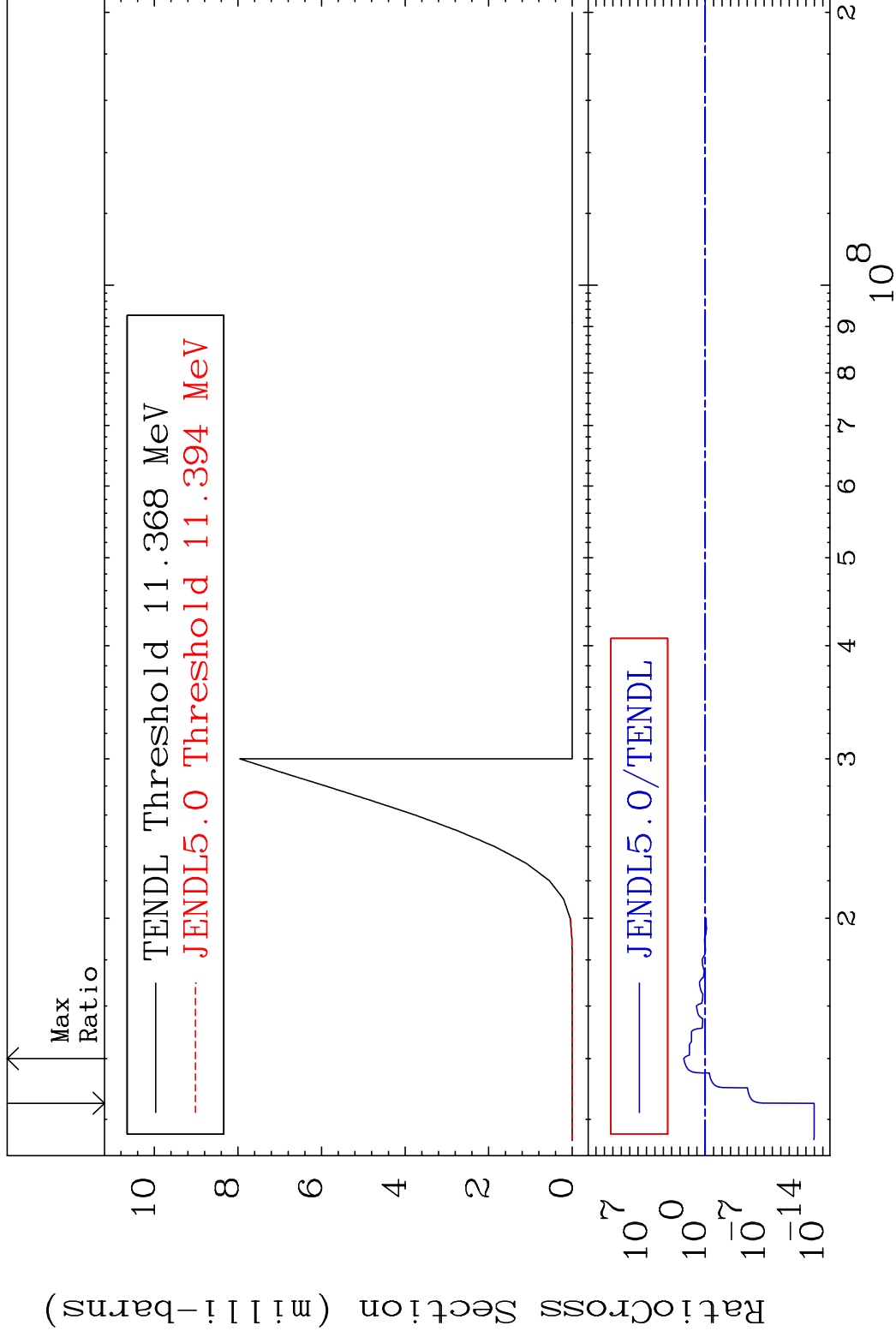


MAT 6925

(n, n') t

69-Tm-169

Cross Section -100.0 To 9999. %

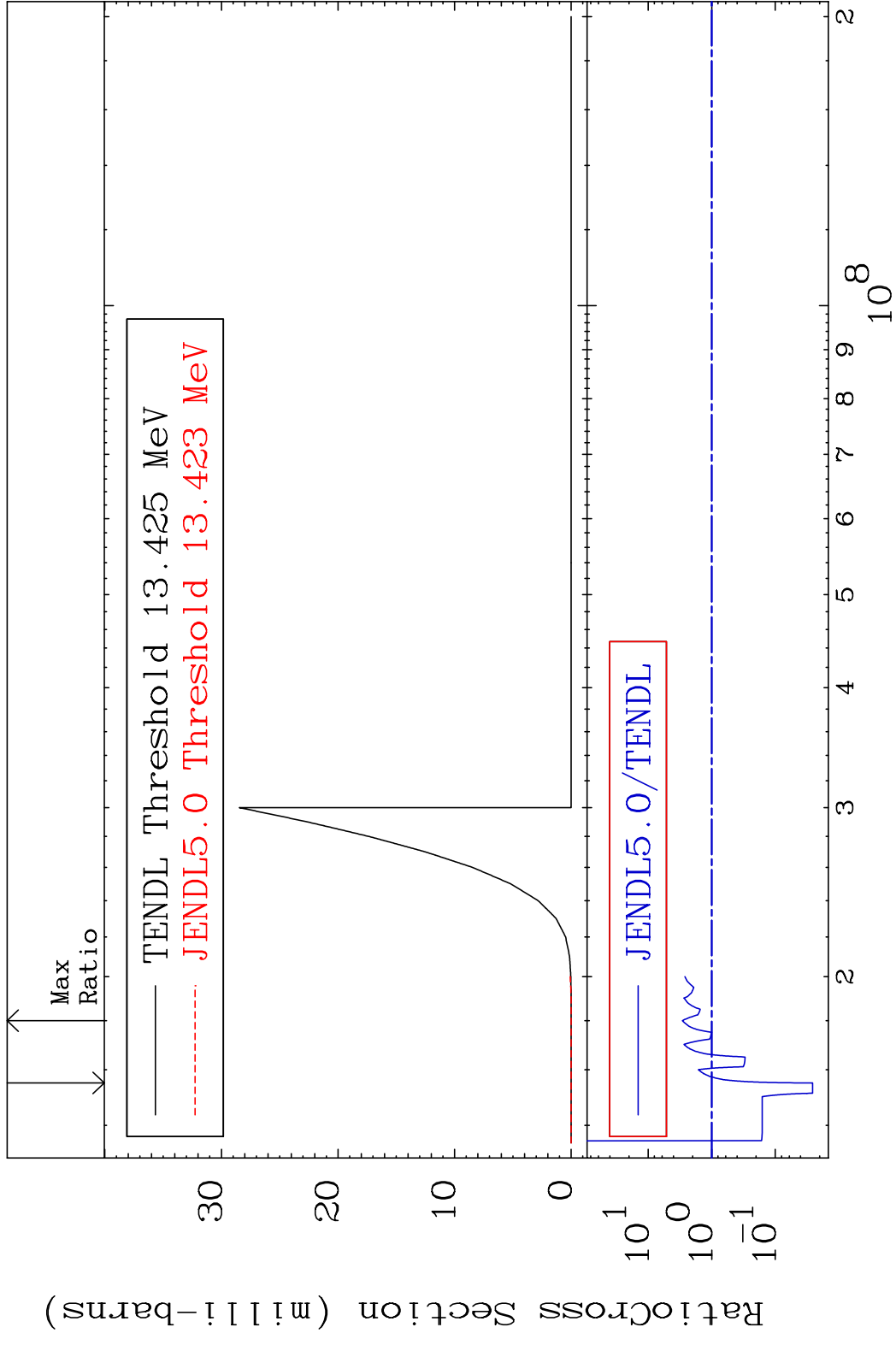


10

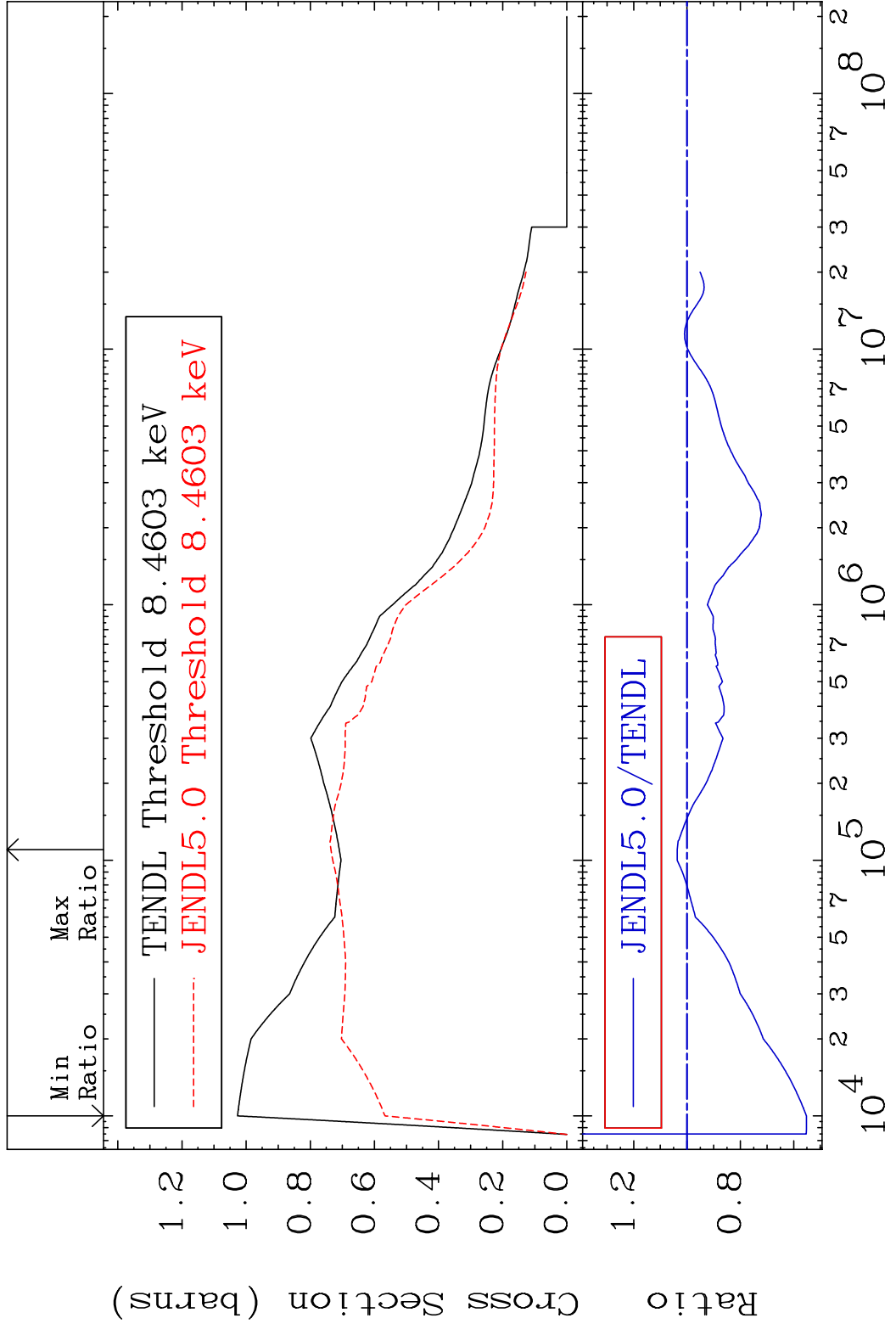
Incident Energy (eV)

69-Tm-169

MAT 6925 (n,2n) p 69-Tm-169
 Cross Section -97.40 To 189.2 %

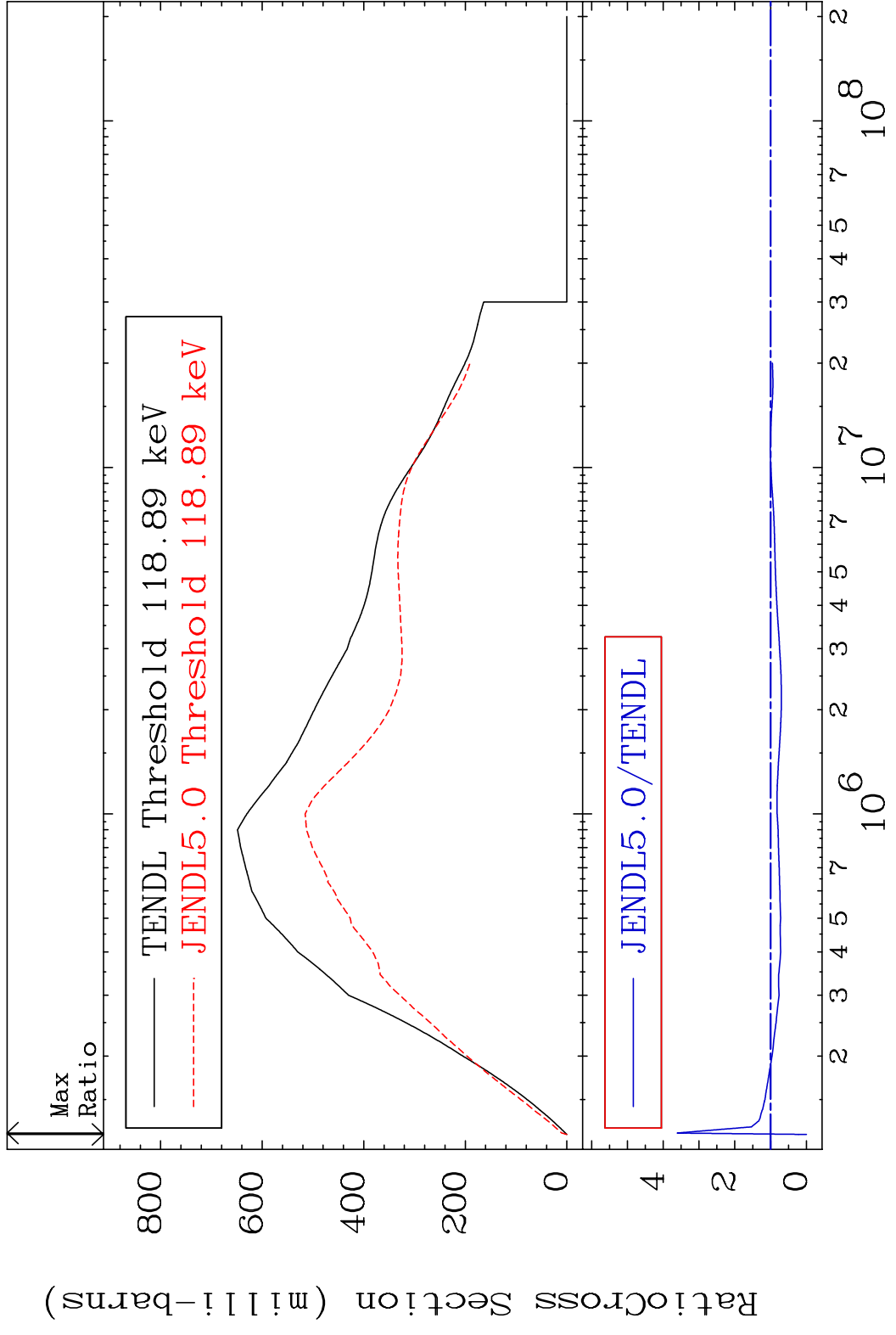


MAT 6925 MT= 51 (n, n') Level 69-Tm-169
 Cross Section -44.77 To 3.682 %

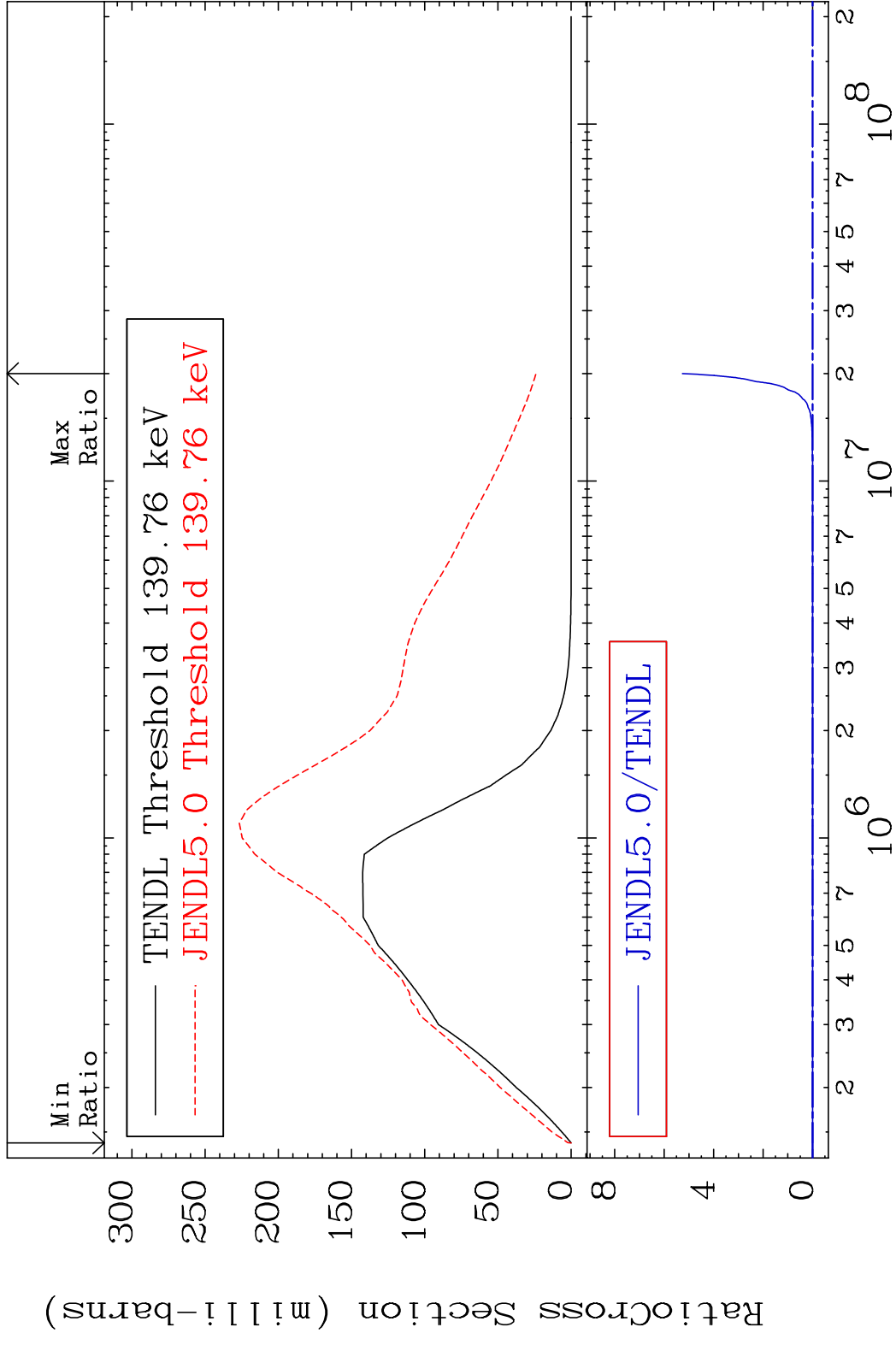


12 Incident Energy (eV) 69-Tm-169

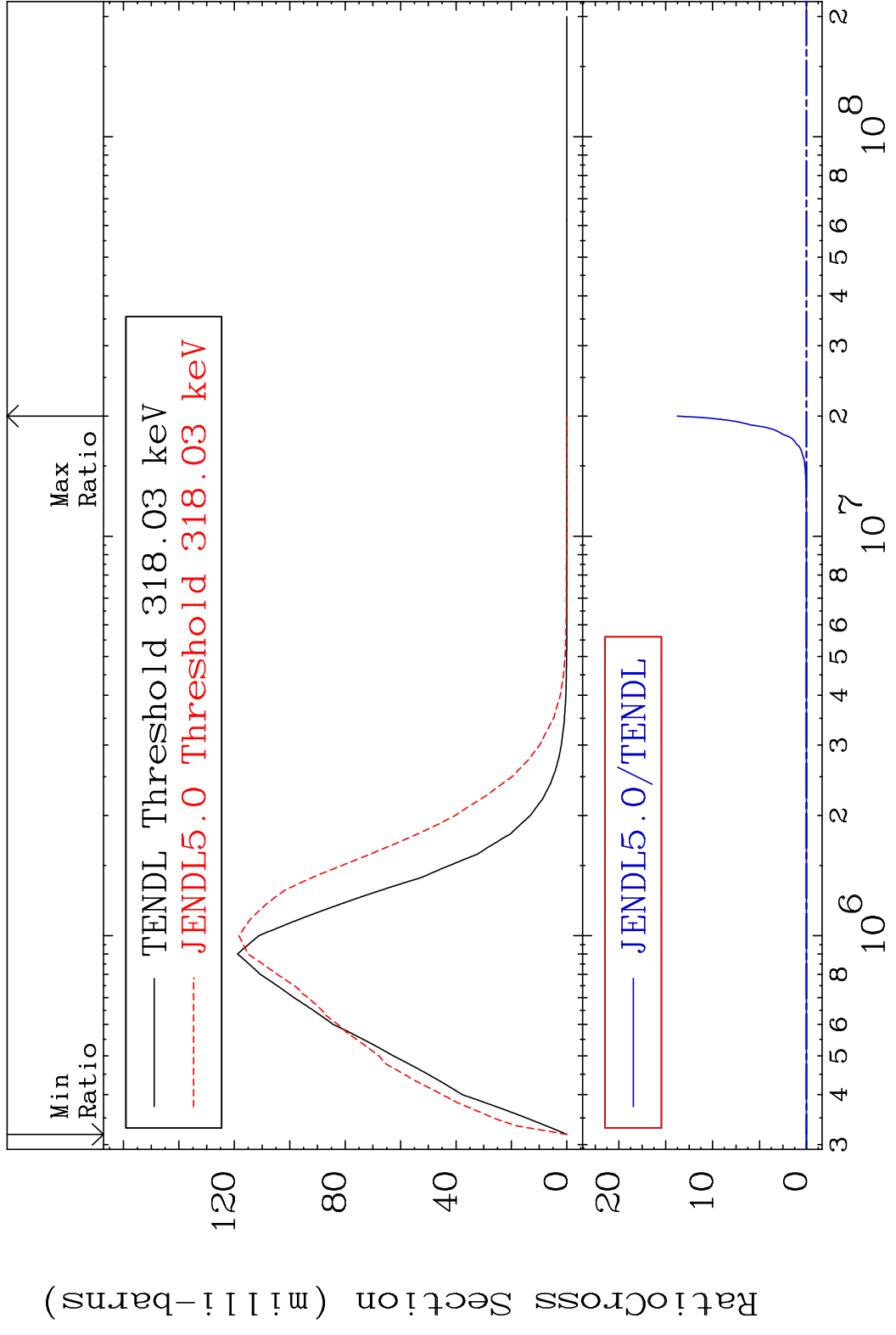
MAT 6925 MT= 52 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 261.0 %



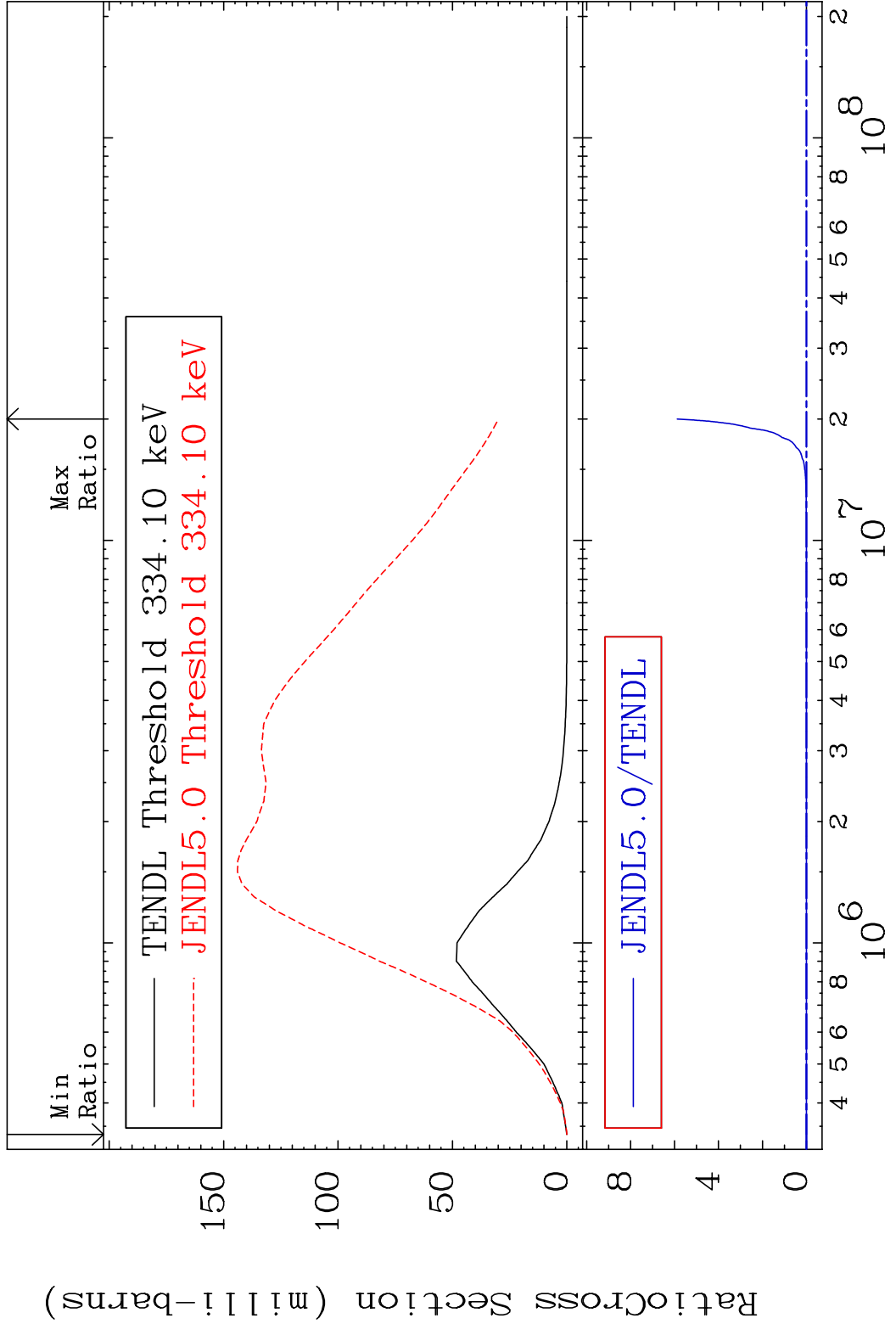
MAT 6925 MT= 53 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



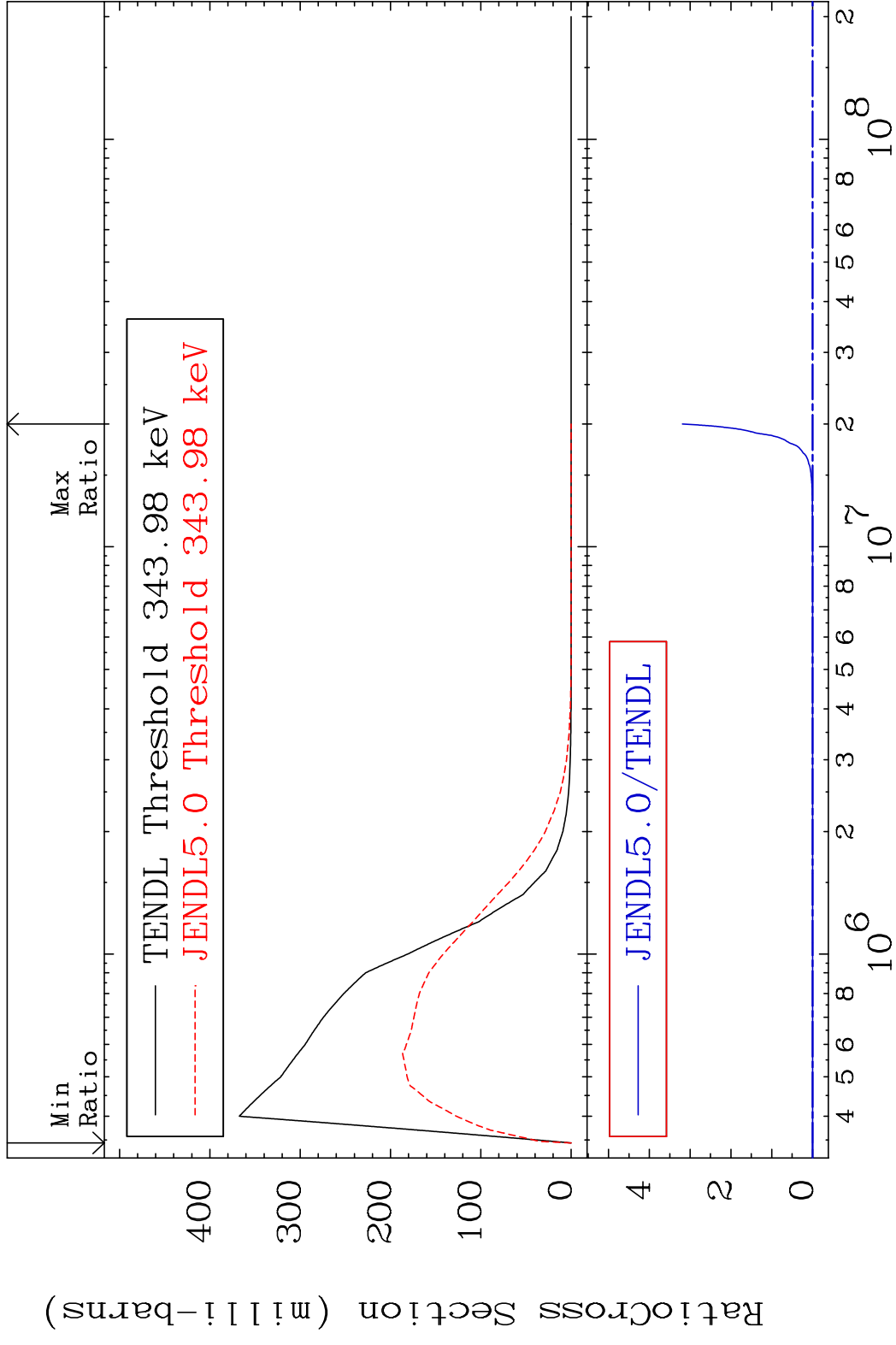
MAT 6925 MT= 54 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



MAT 6925 MT= 55 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %

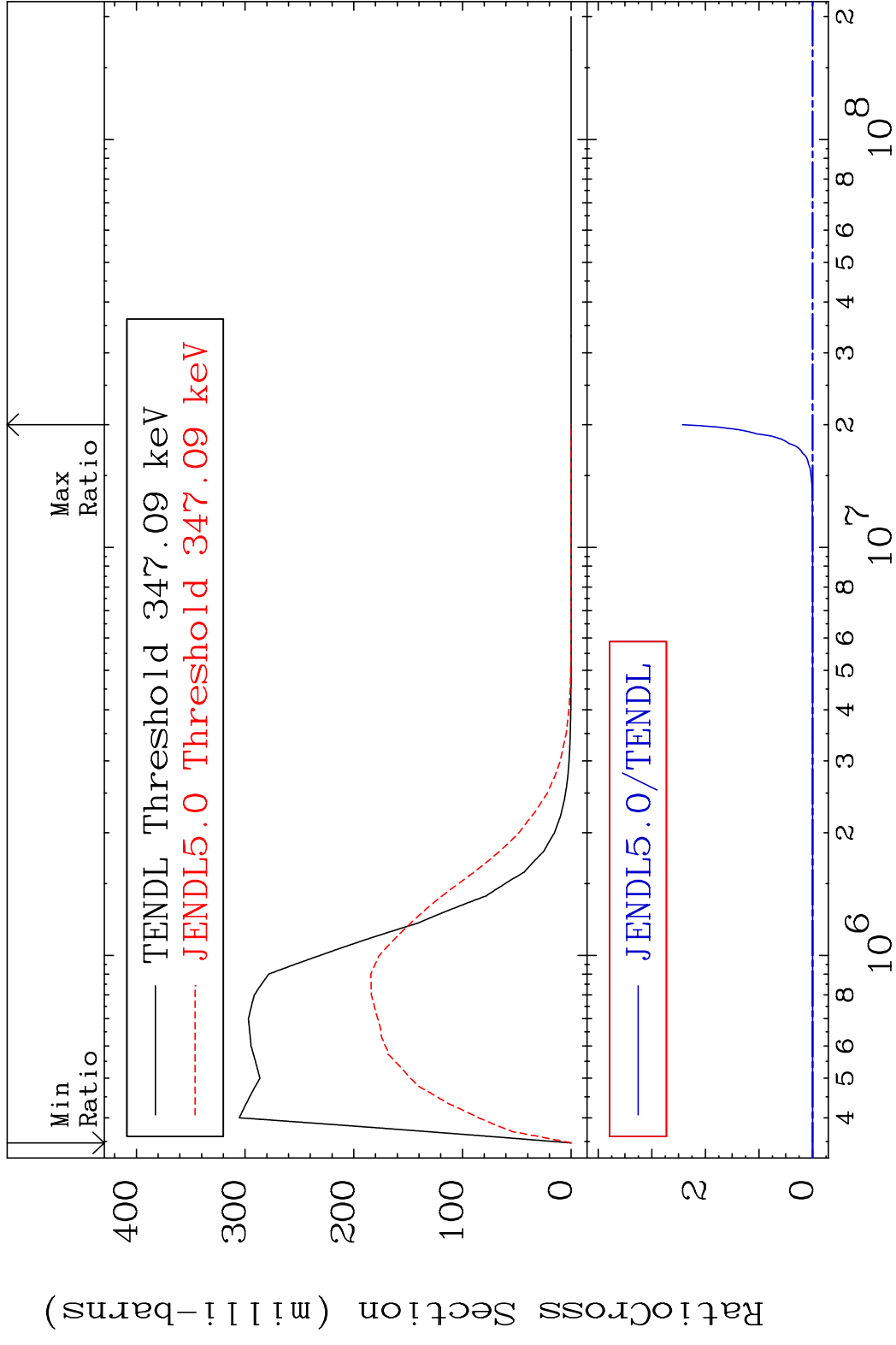


MAT 6925 MT= 56 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %

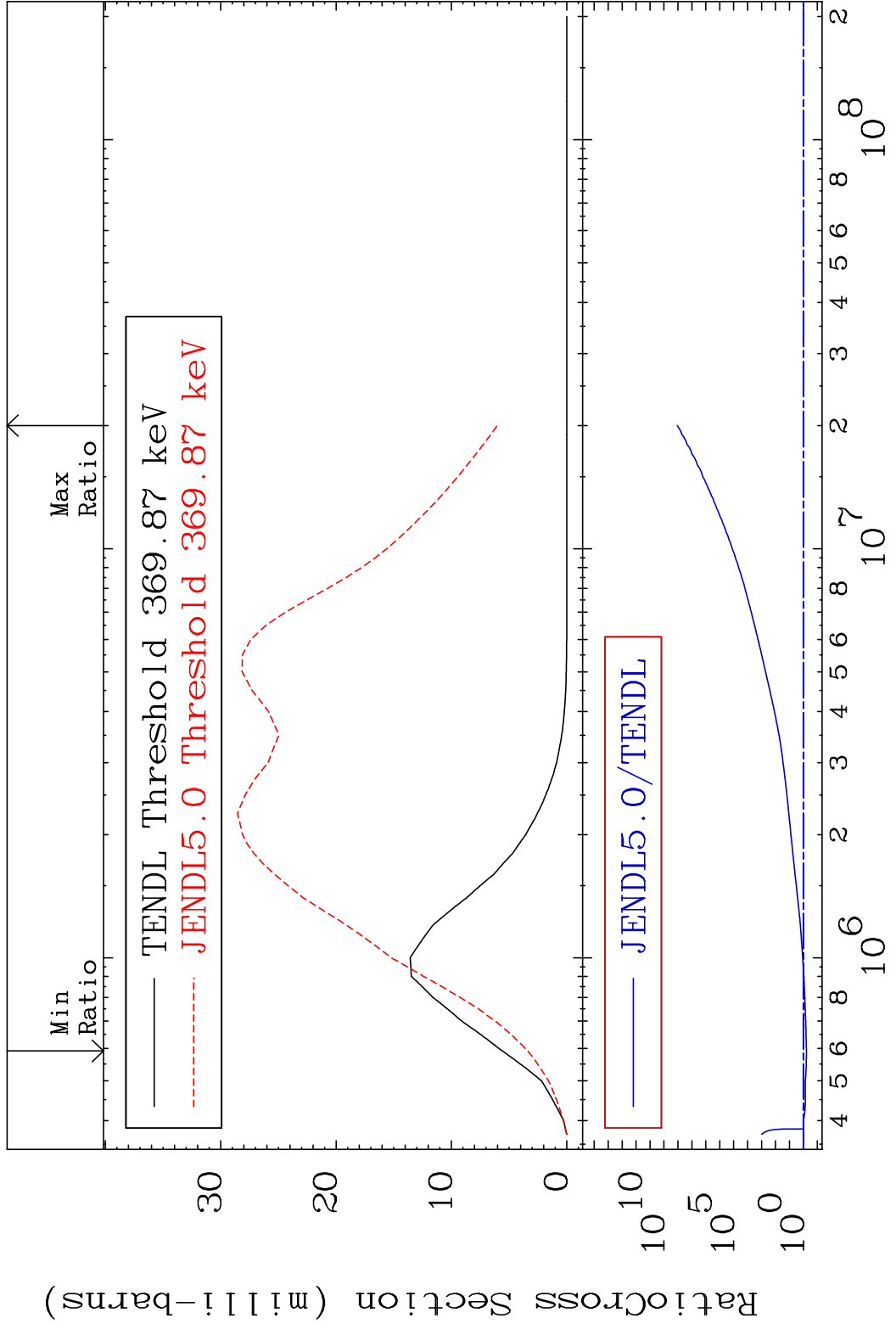


17 Incident Energy (eV) 69-Tm-169

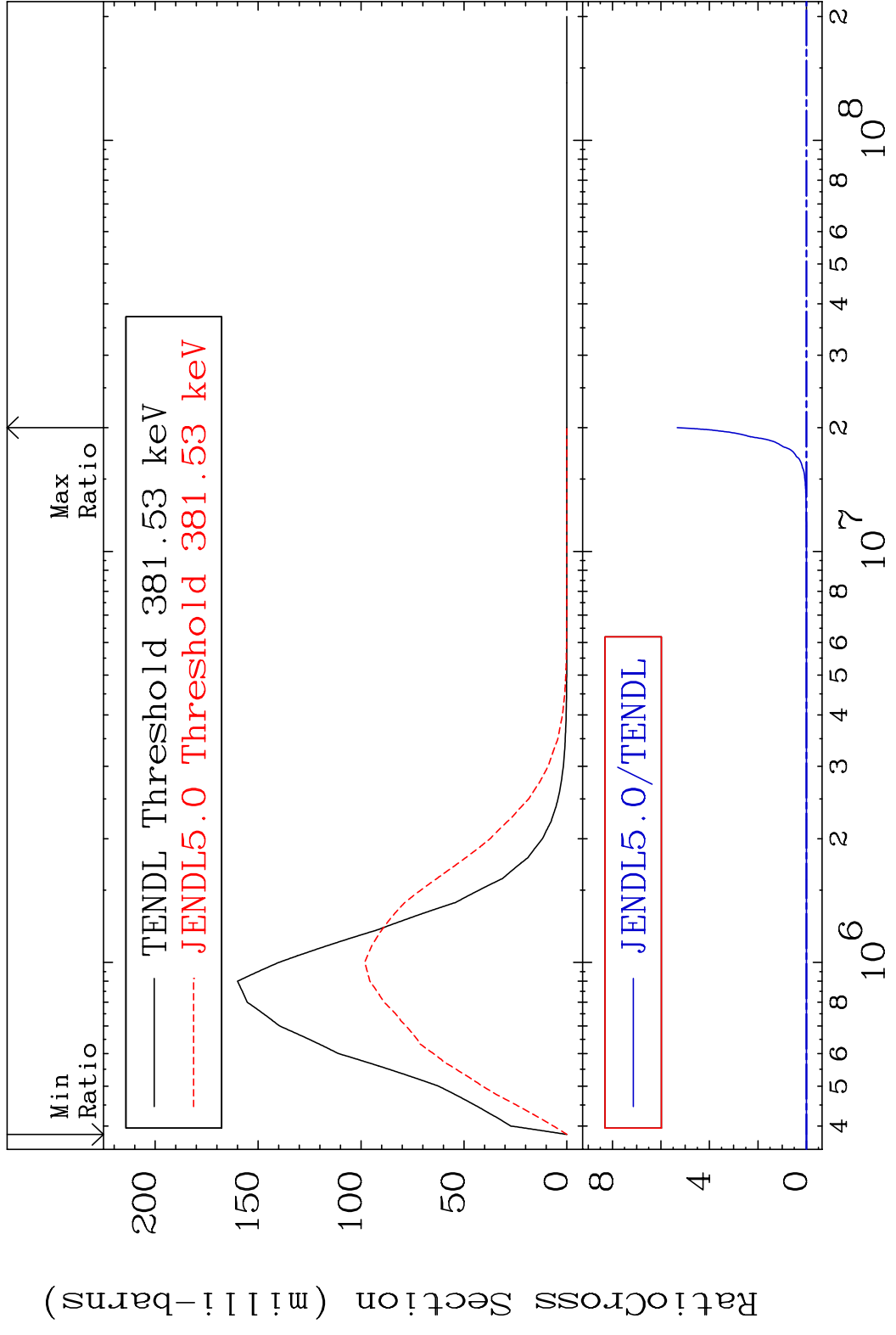
MAT 6925 MT= 57 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



MAT 6925 MT= 58 (n, n') Level 69-Tm-169
 Cross Section -39.12 To 9999. %

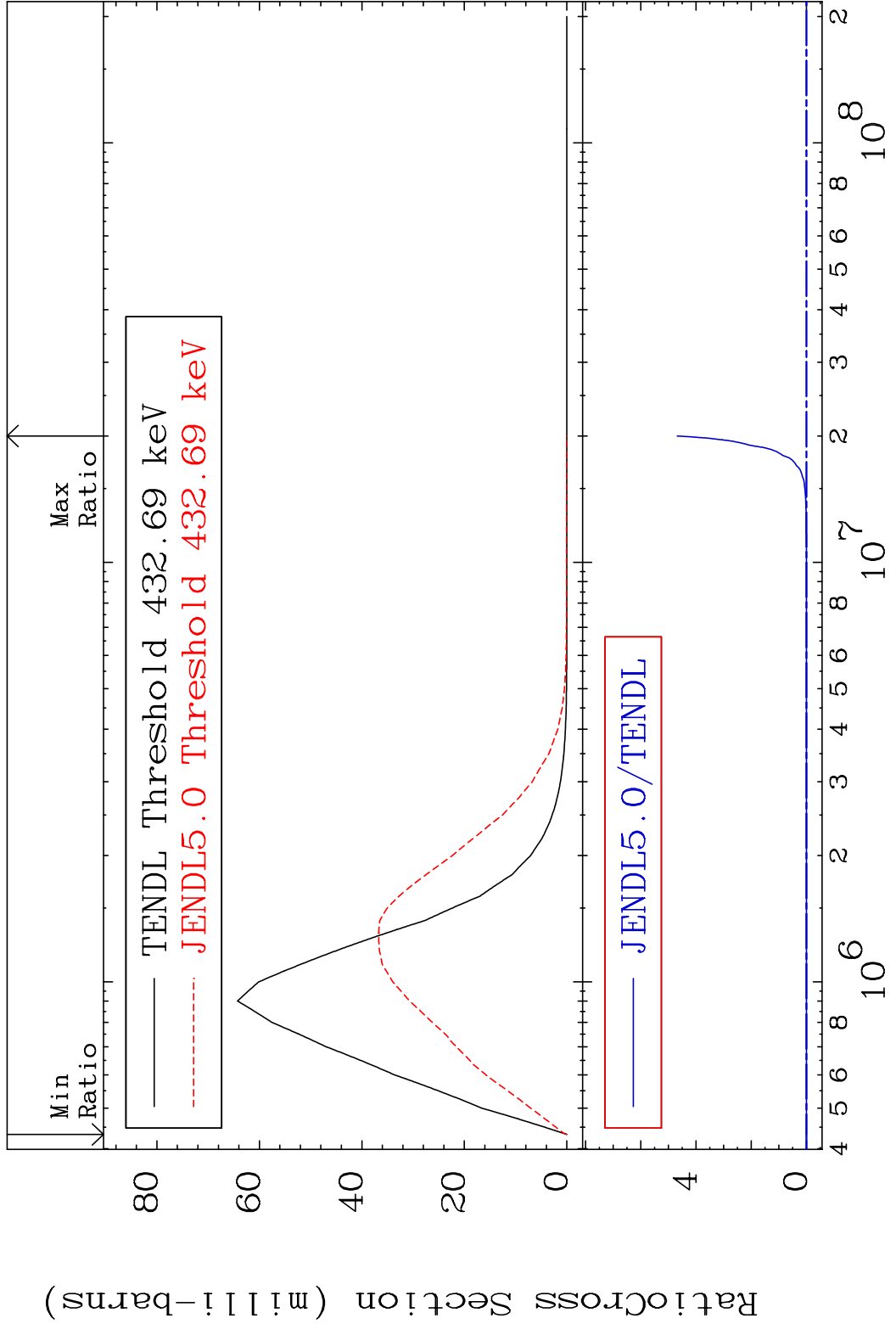


MAT 6925 MT= 59 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %

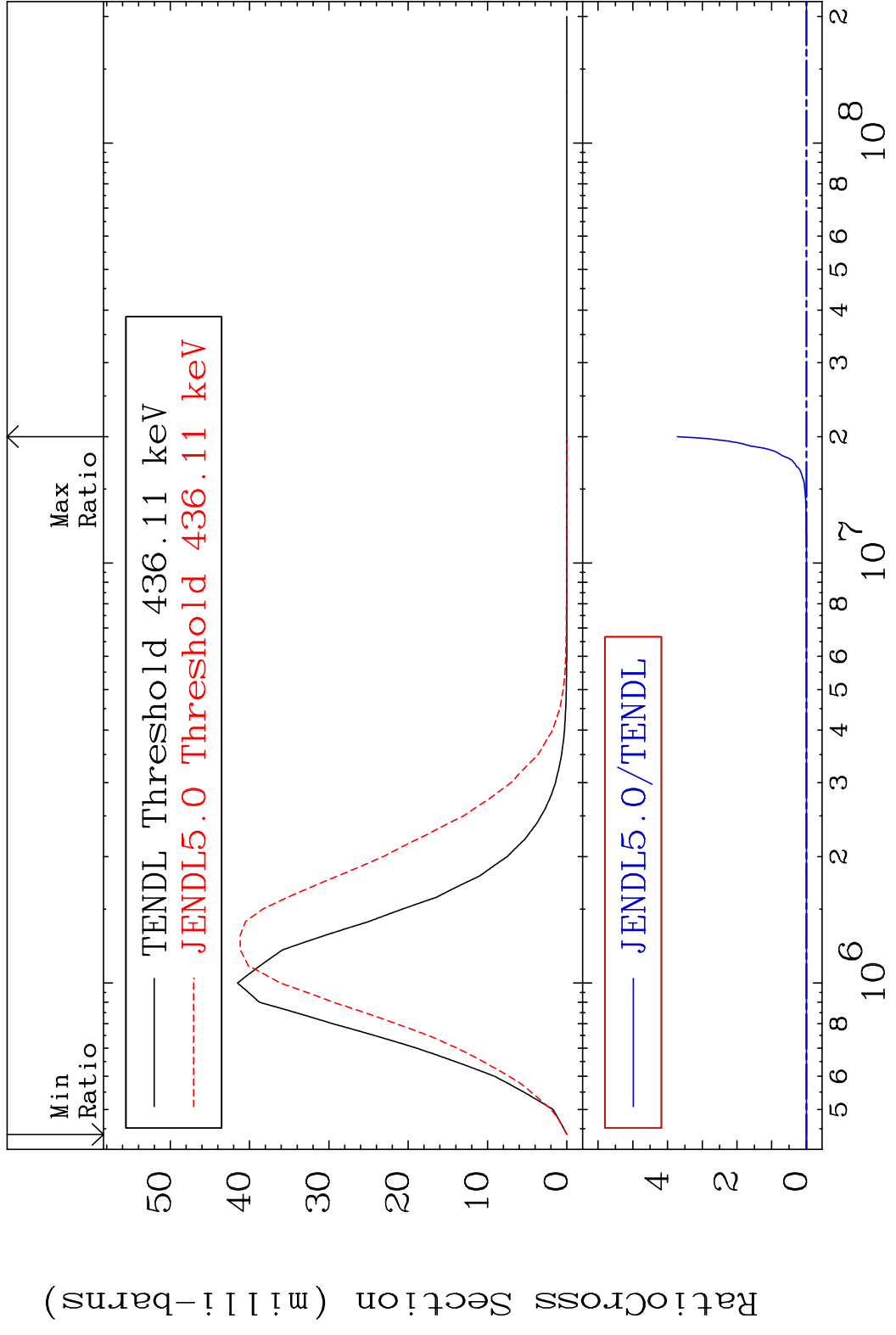


20 69-Tm-169

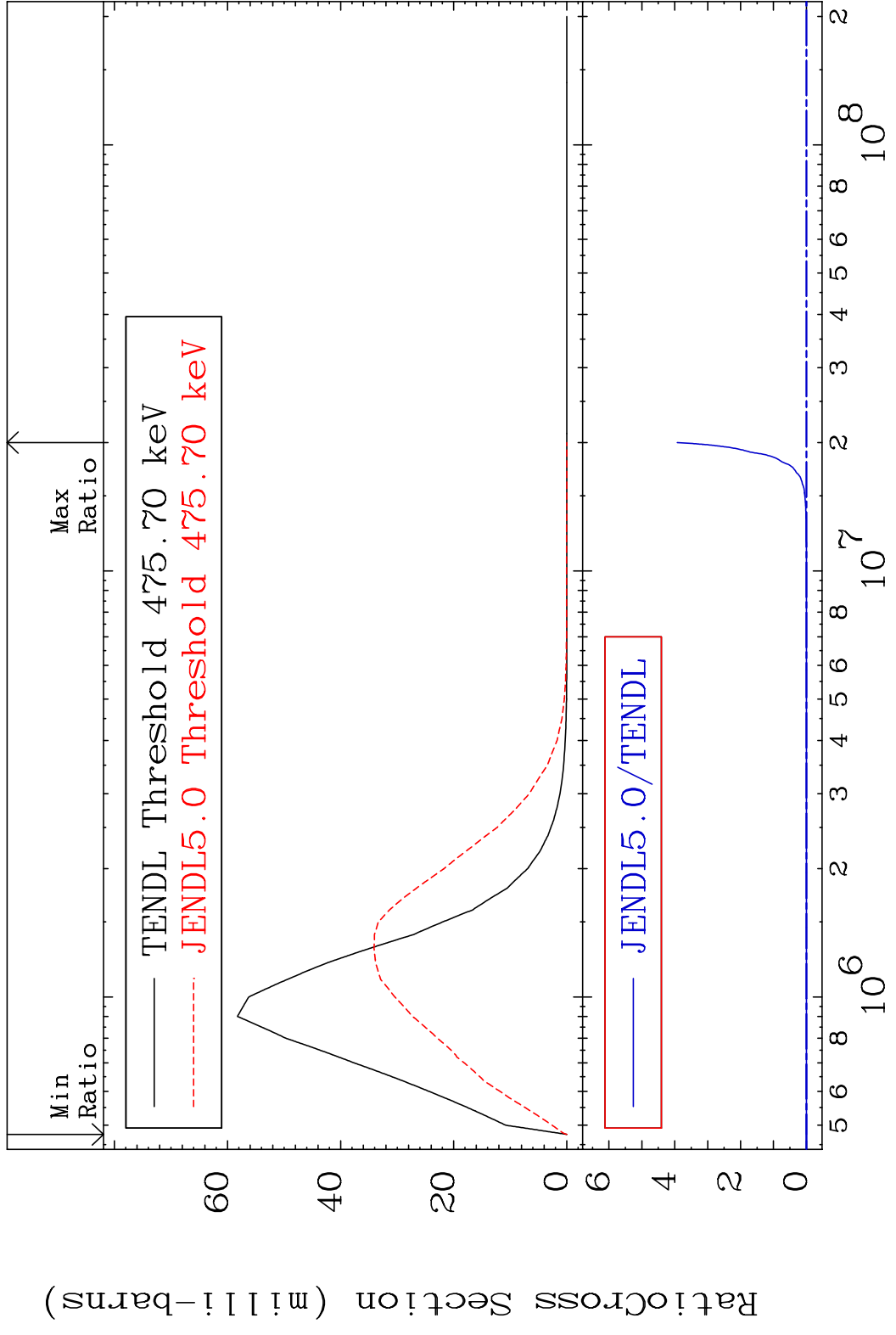
MAT 6925 MT= 60 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



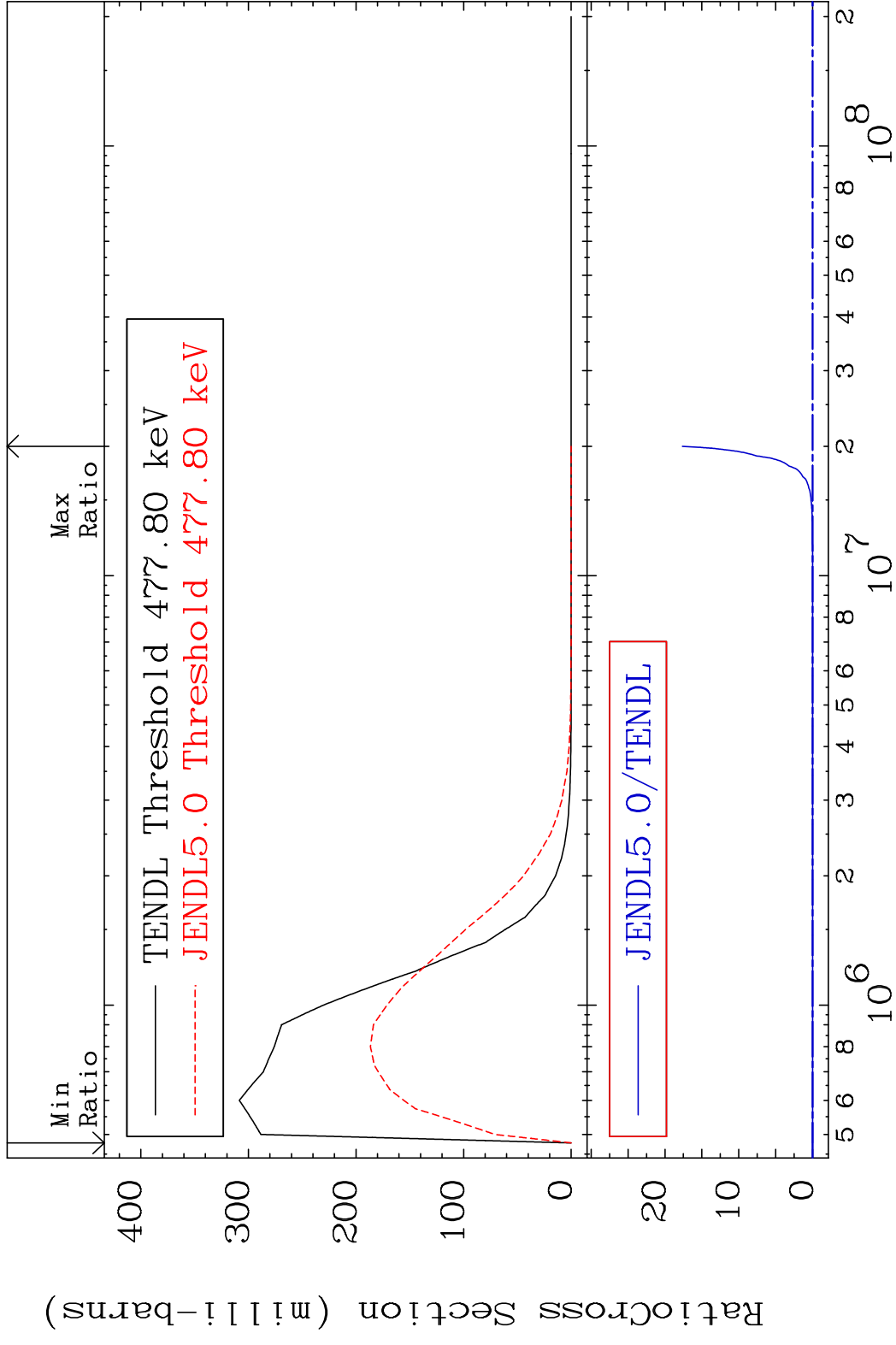
MAT 6925 MT= 61 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



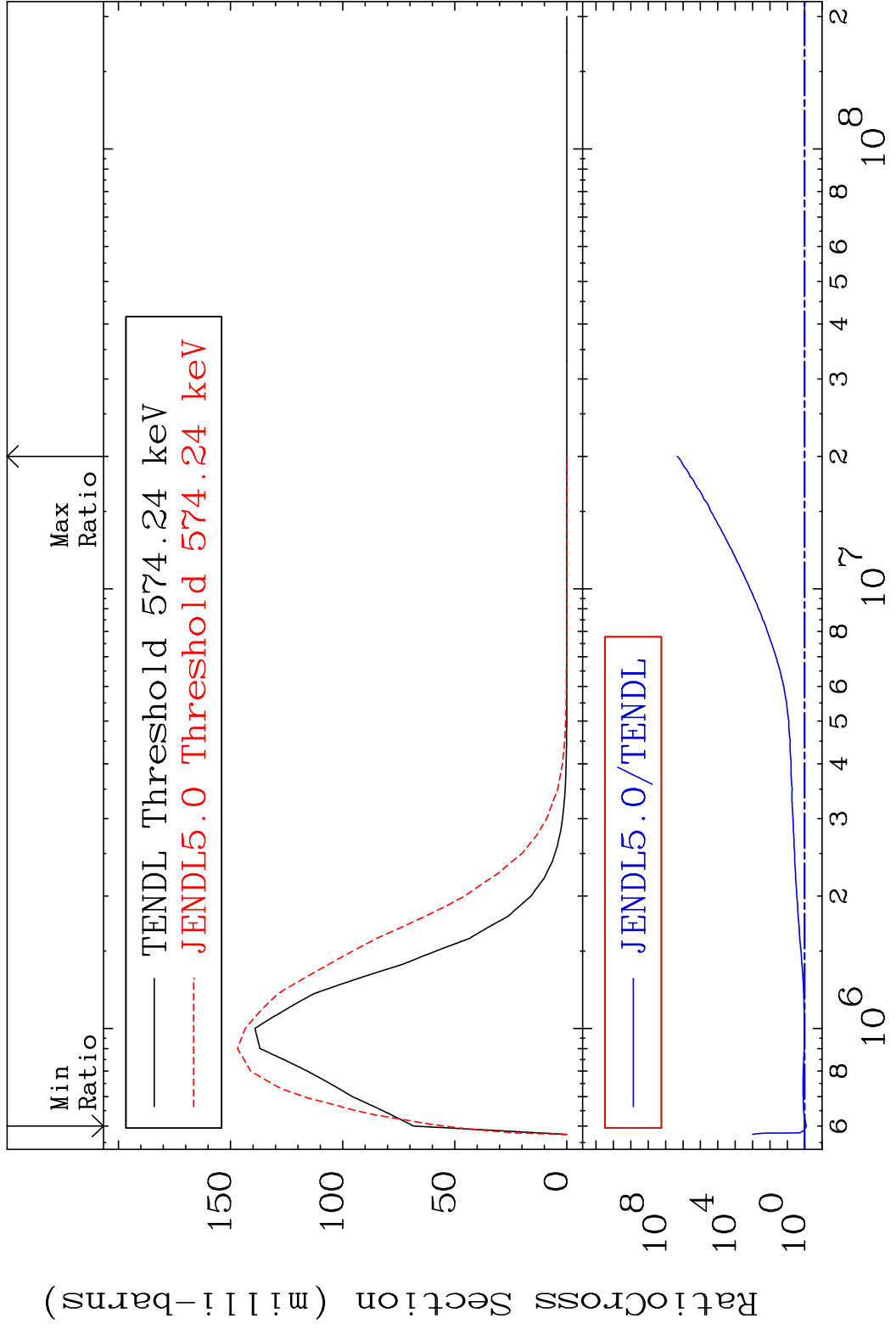
MAT 6925 MT= 62 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



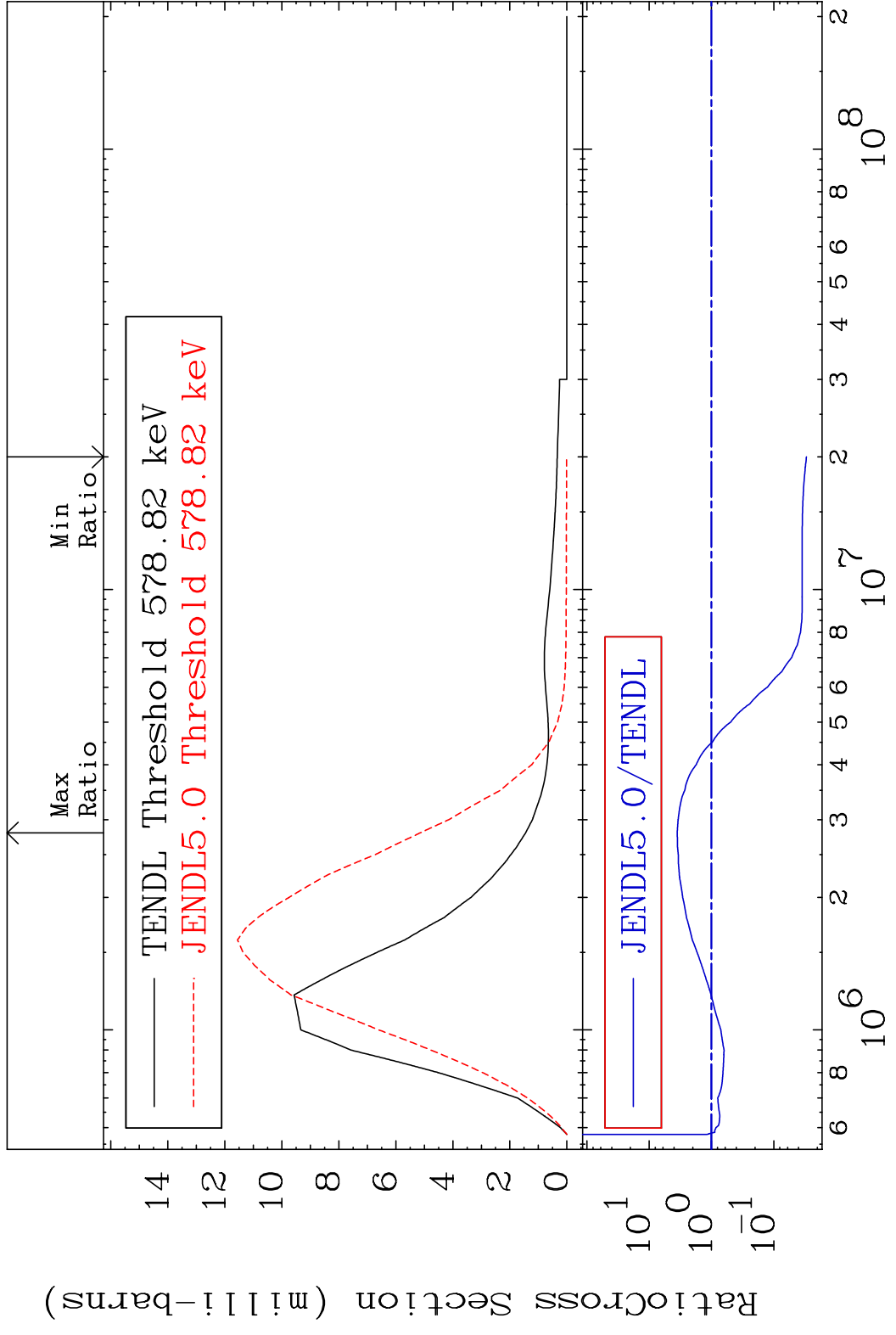
MAT 6925 MT= 63 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



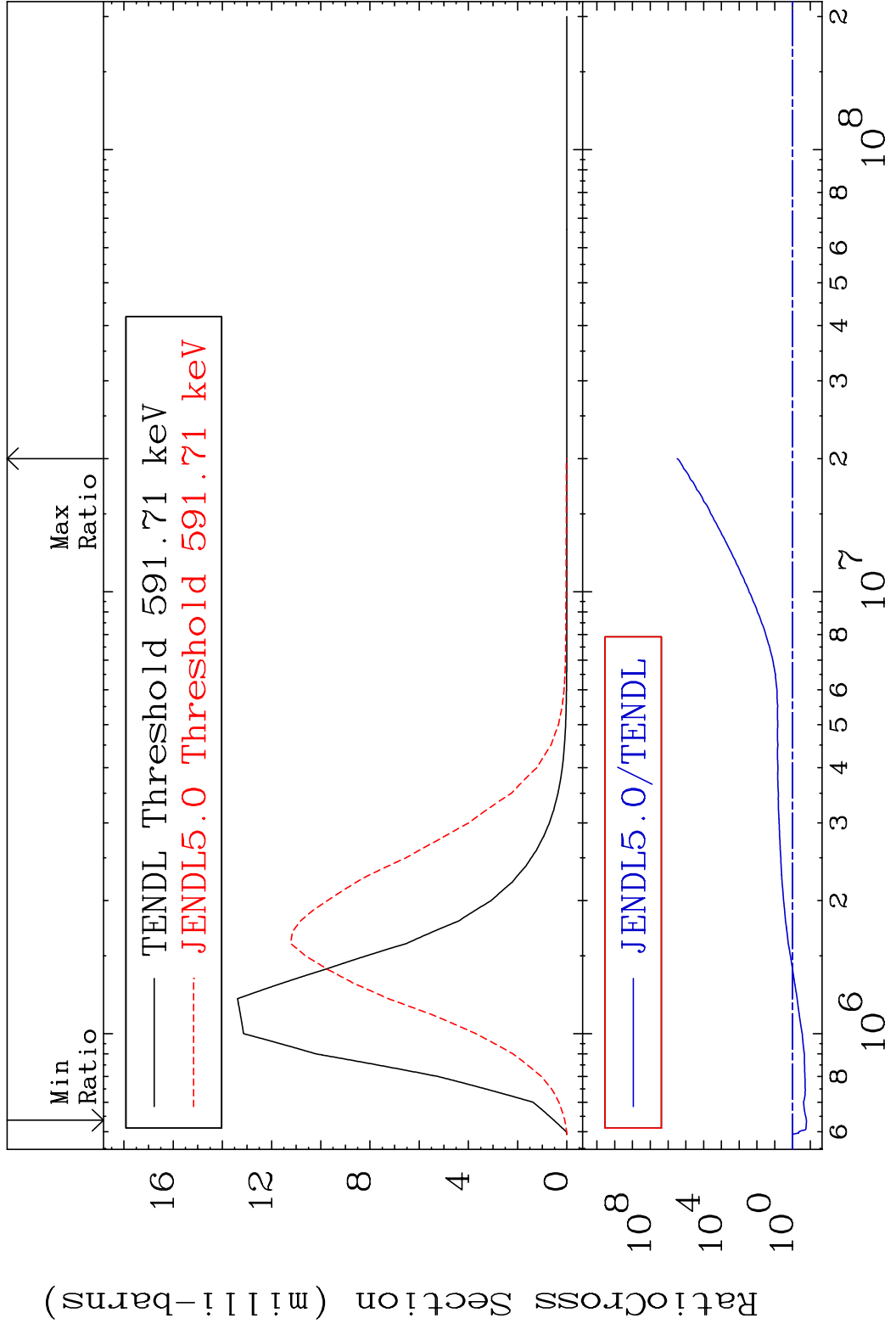
MAT 6925 MT= 64 (n, n') Level 69-Tm-169
 Cross Section -19.98 To 9999. %



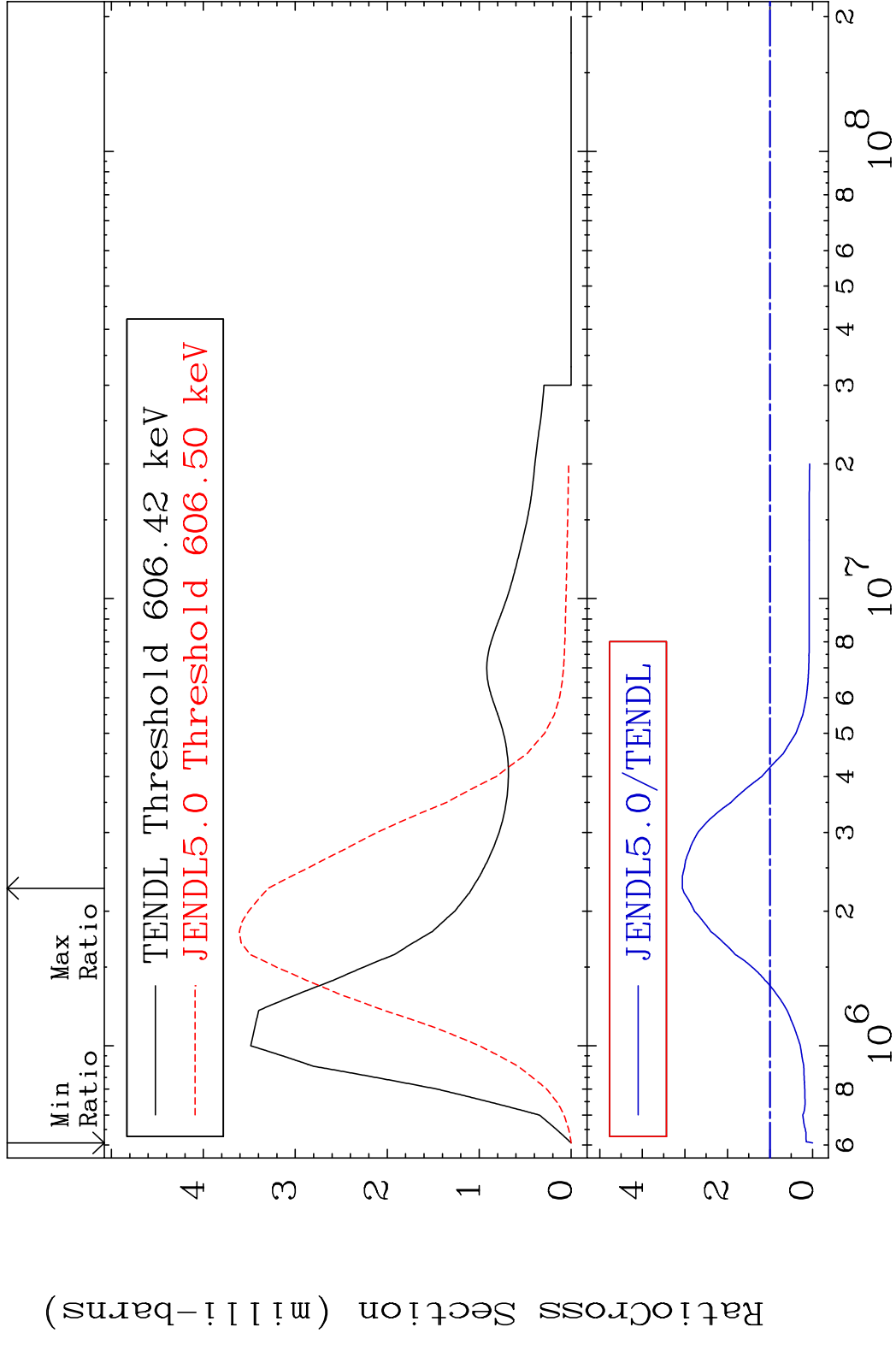
MAT 6925 MT= 65 (n, n') Level 69-Tm-169
 Cross Section -97.01 To 255.5 %



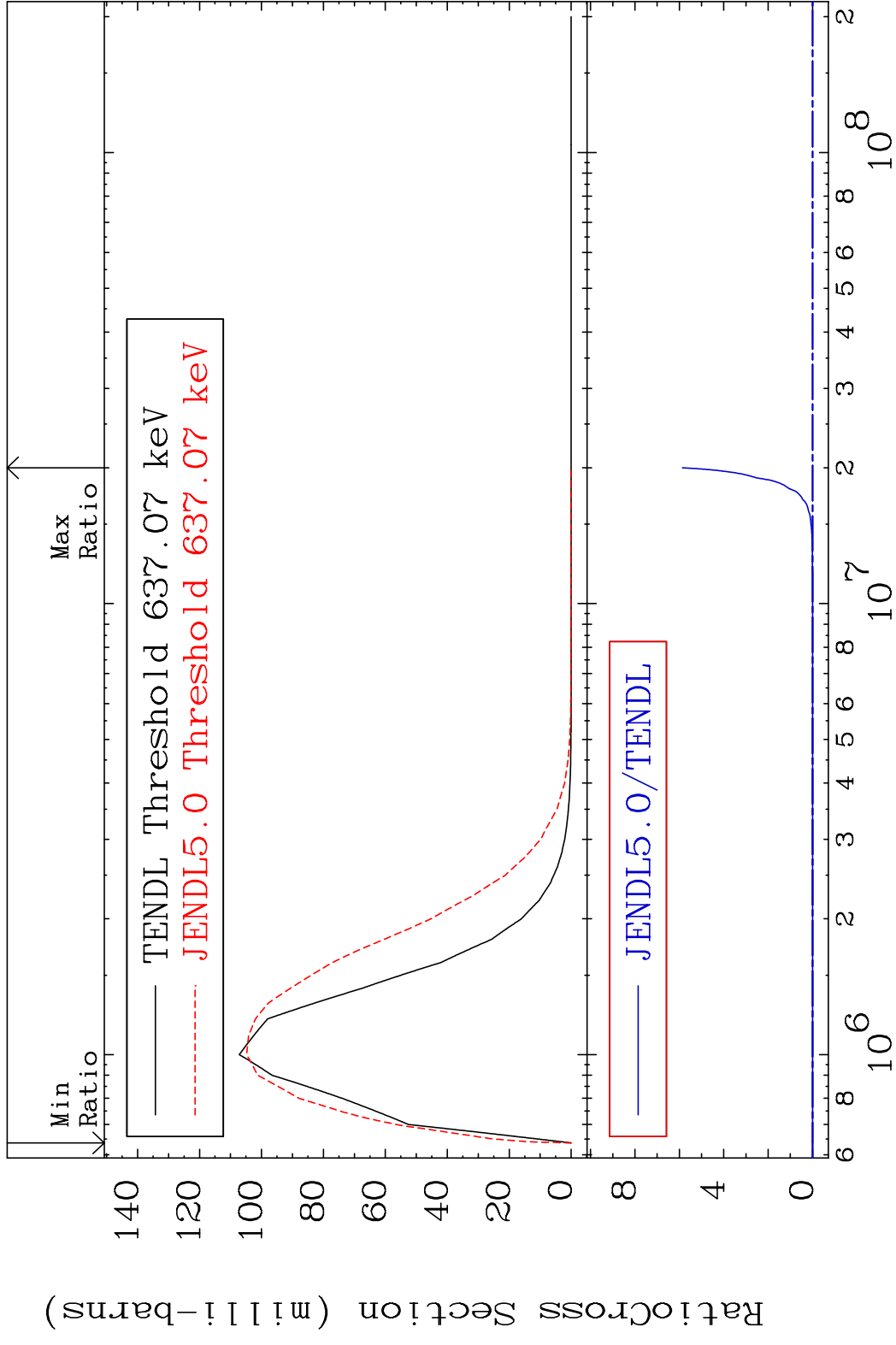
MAT 6925 MT= 66 (n, n') Level 69-Tm-169
 Cross Section -83.61 To 9999. %



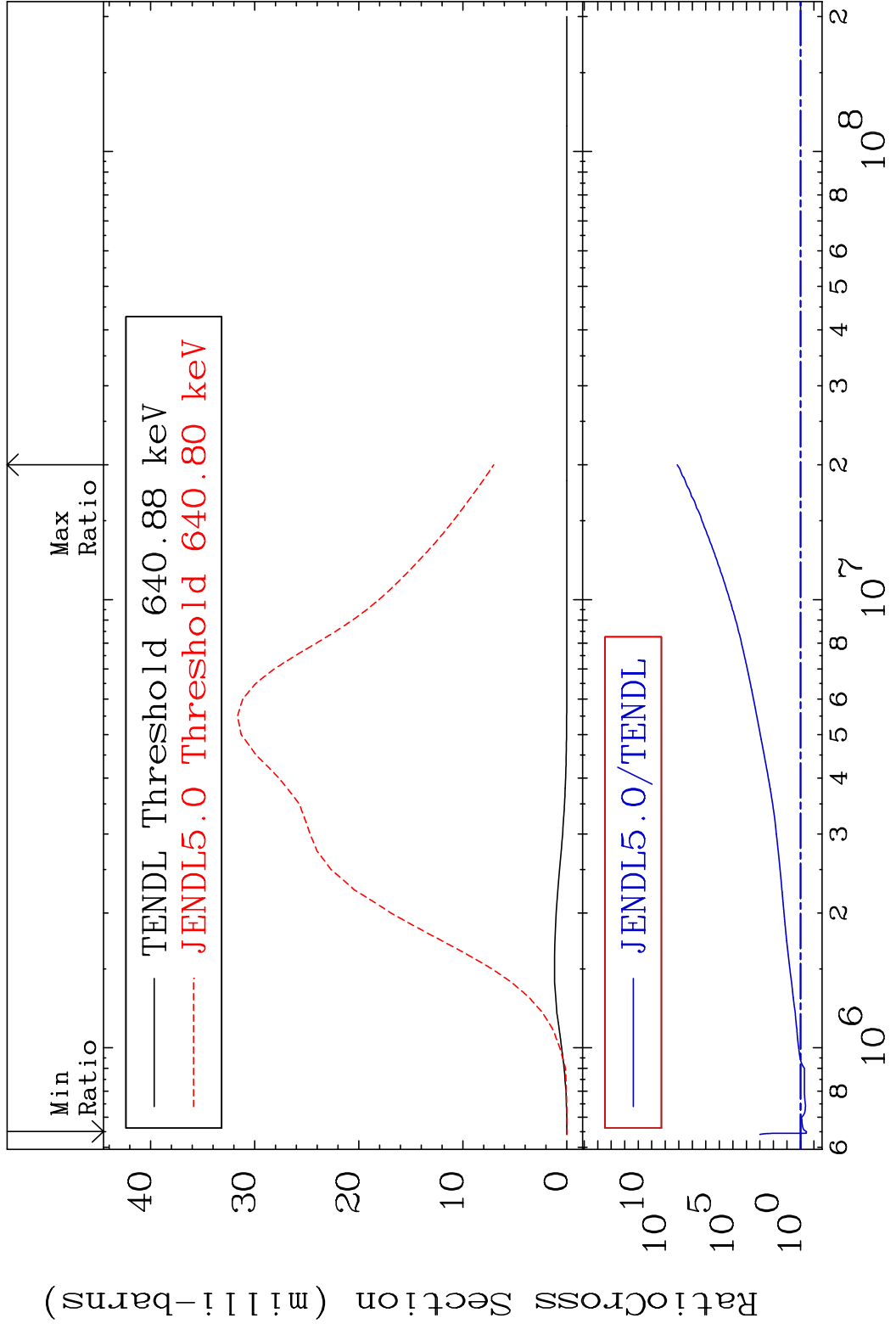
MAT 6925 MT= 67 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 205.9 %



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

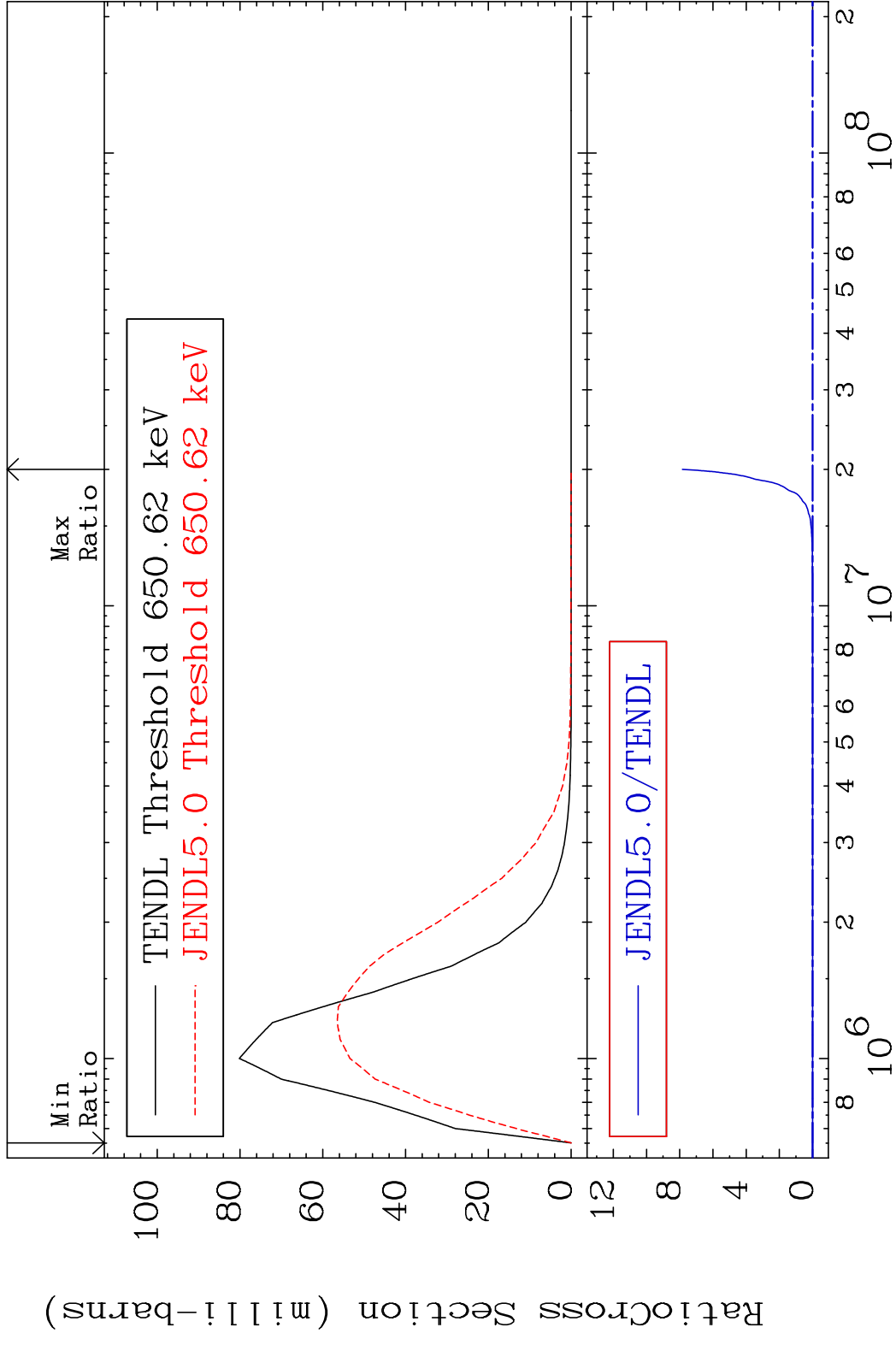


MAT 6925 MT= 69 (n, n') Level 69-Tm-169
 Cross Section -63.60 To 9999. %

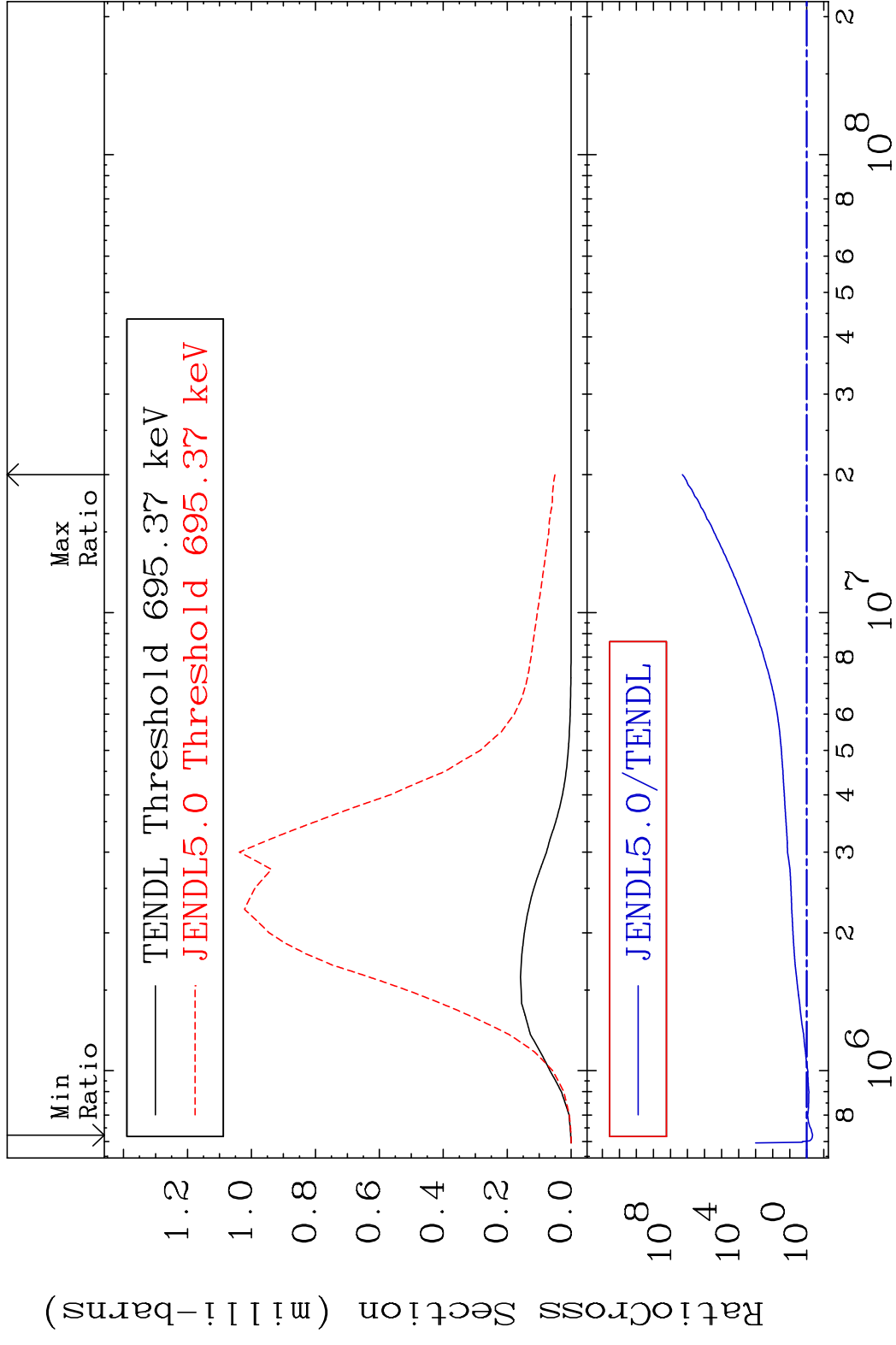


30 Incident Energy (eV) 69-Tm-169

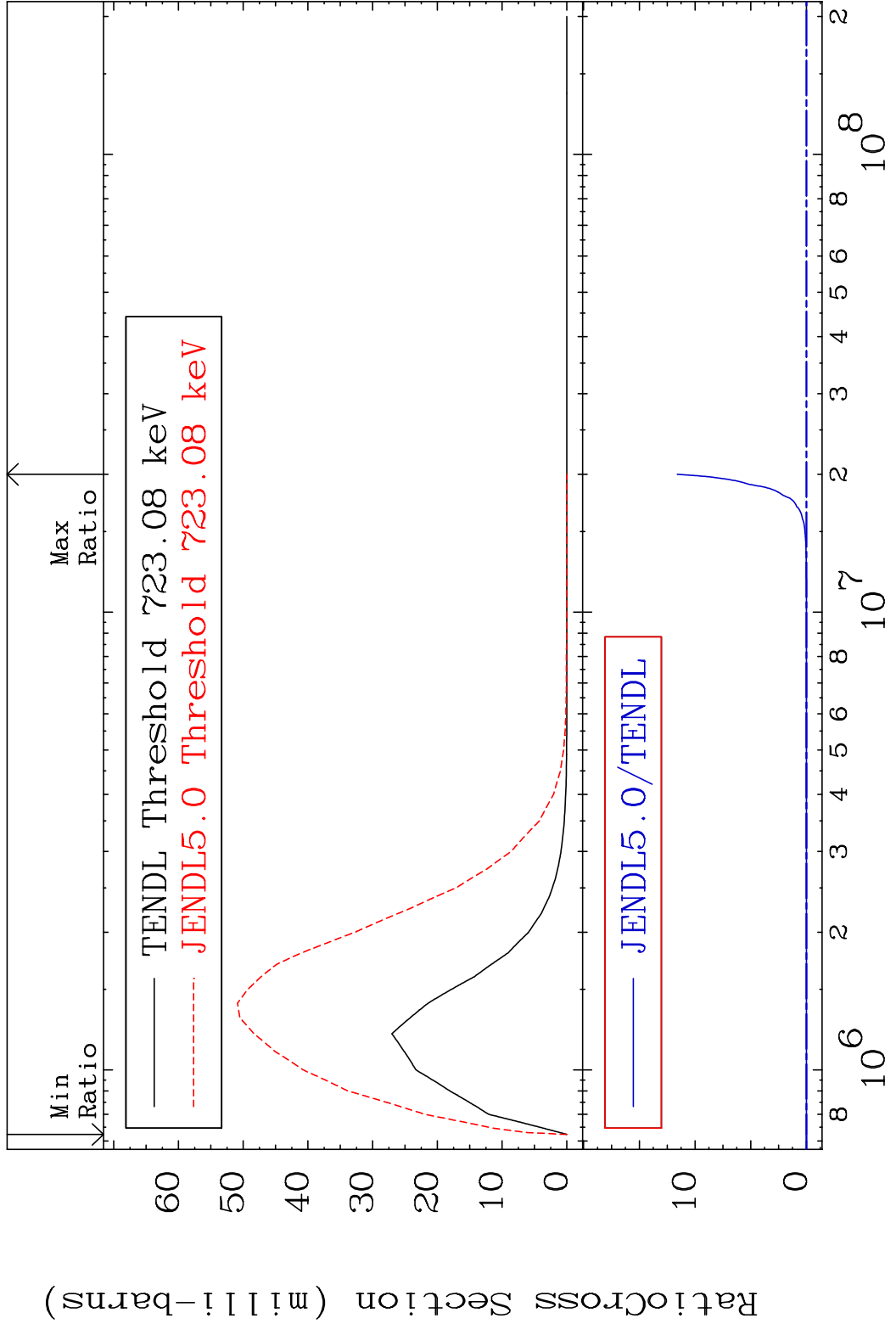
MAT 6925 MT= 70 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



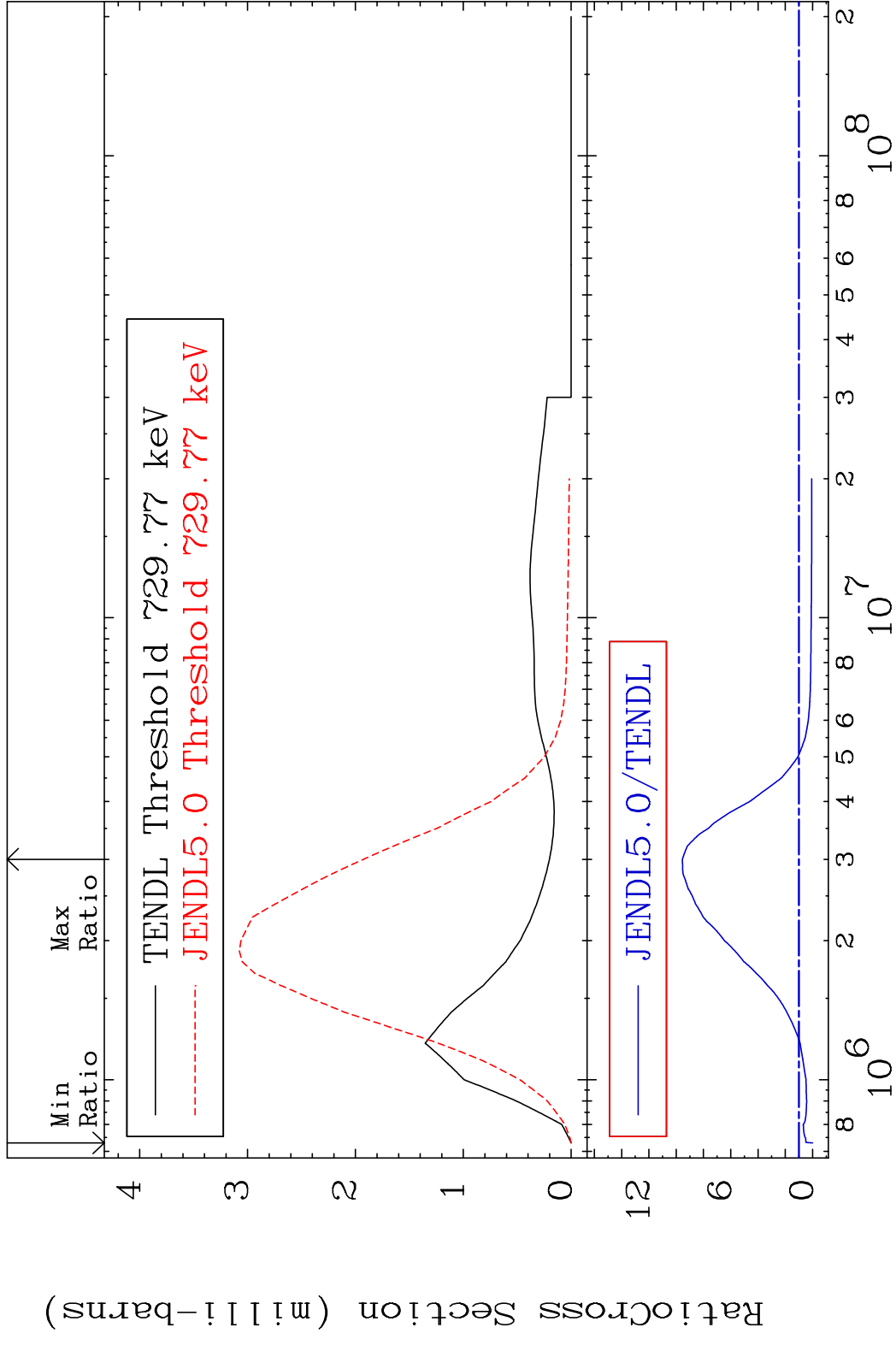
MAT 6925 MT= 71 (n, n') Level 69-Tm-169
 Cross Section -54.34 To 9999. %



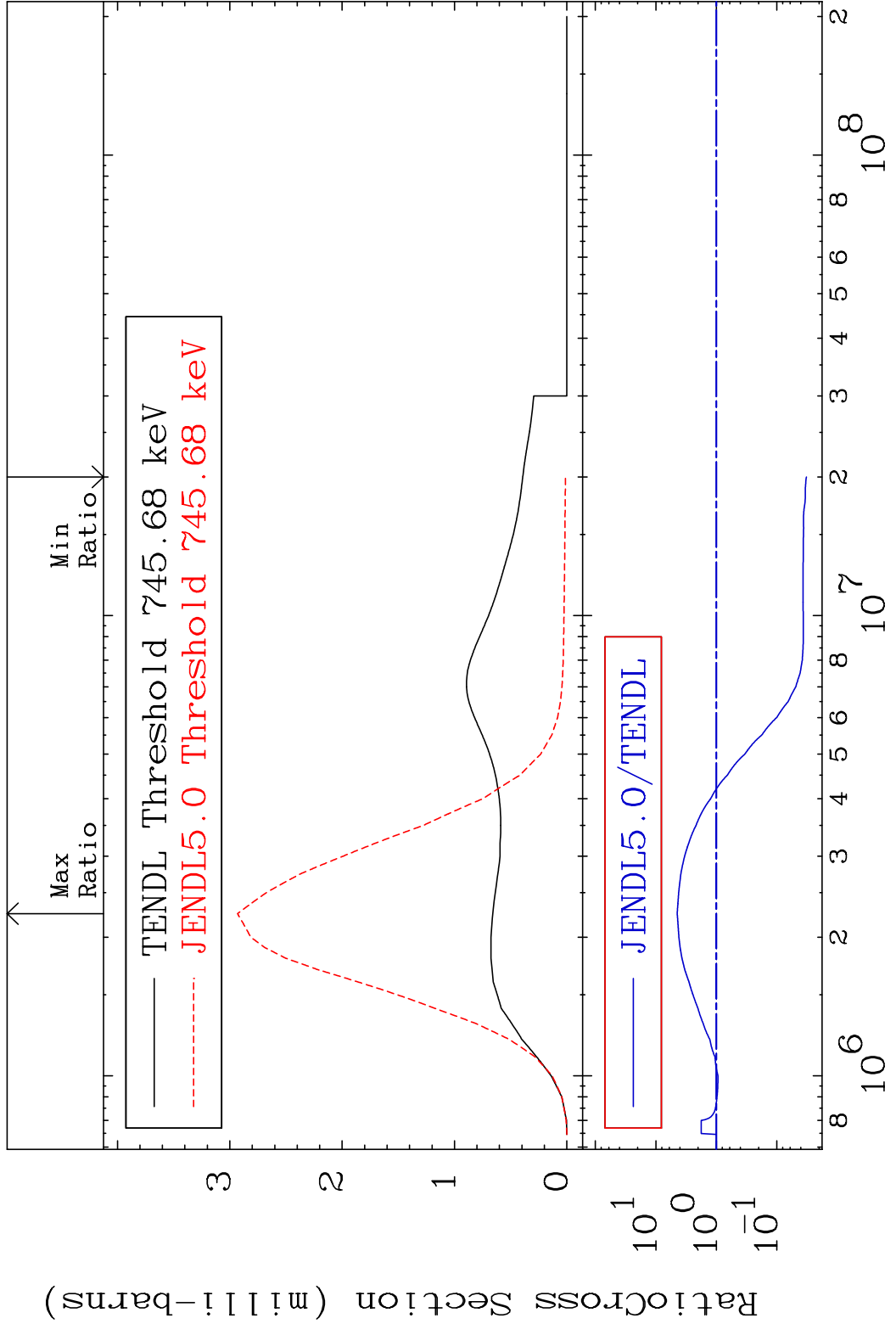
MAT 6925 MT= 72 (n, n') Level 69-Tm-169
 Cross Section -100.0 To 9999. %



MAT 6925 MT= 73 (n,n') Level 69-Tm-169
 Cross Section -100.0 To 854.8 %



MAT 6925 MT= 74 (n, n') Level 69-Tm-169
 Cross Section -96.76 To 344.3 %

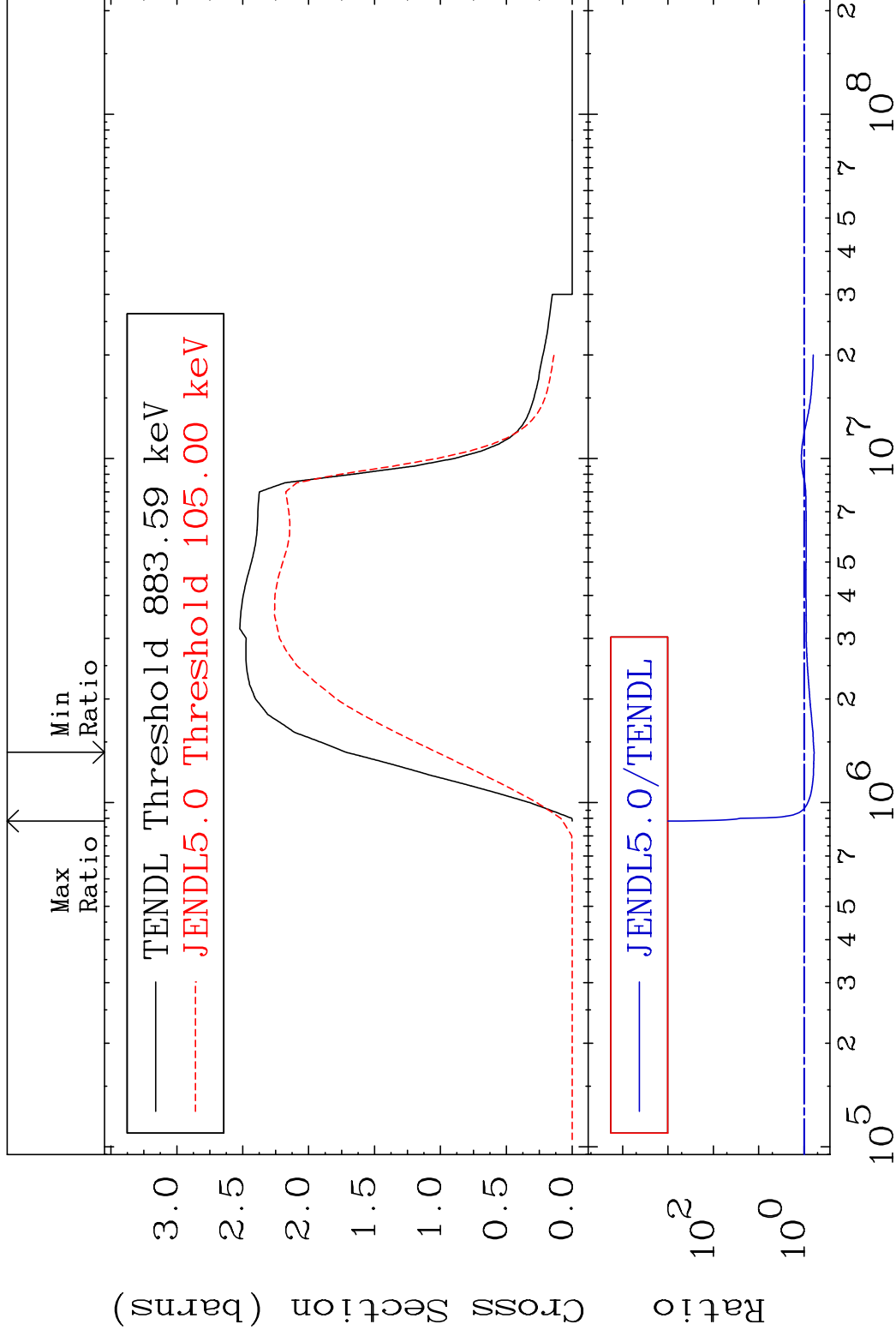


MAT 6925

(n, n') Continuum

69-Tm-169

Cross Section -40.08 To 9999. %



36

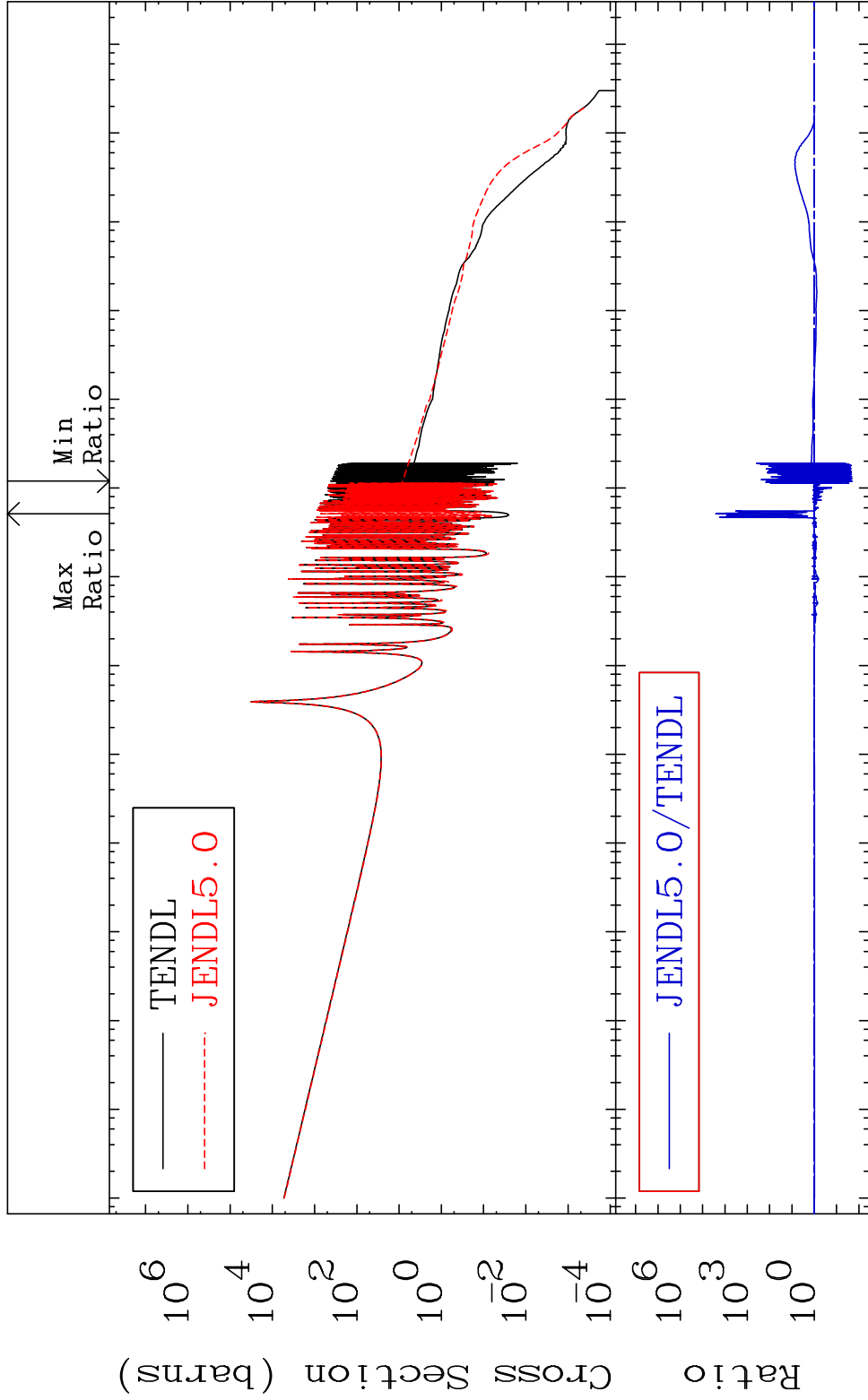
Incident Energy (eV)

69-Tm-169

MAT 6925

(n, γ)
Cross Section -98.00 To 9999. %

69-Tm-169



37

Incident Energy (eV)

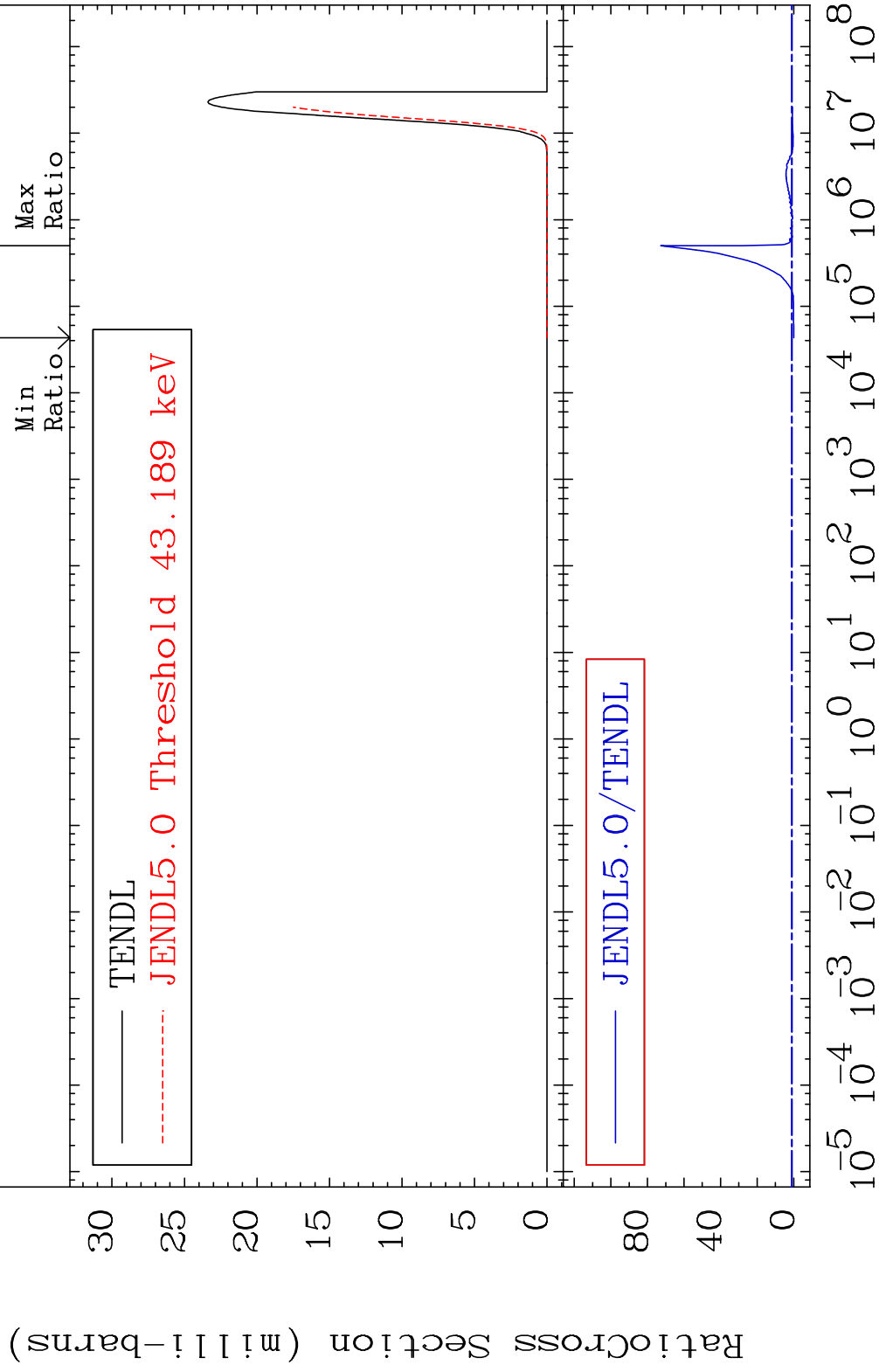
69-Tm-169

MAT 6925

(n,p)

69-Tm-169

Cross Section -100.0 To 7177. %



38

Incident Energy (eV)

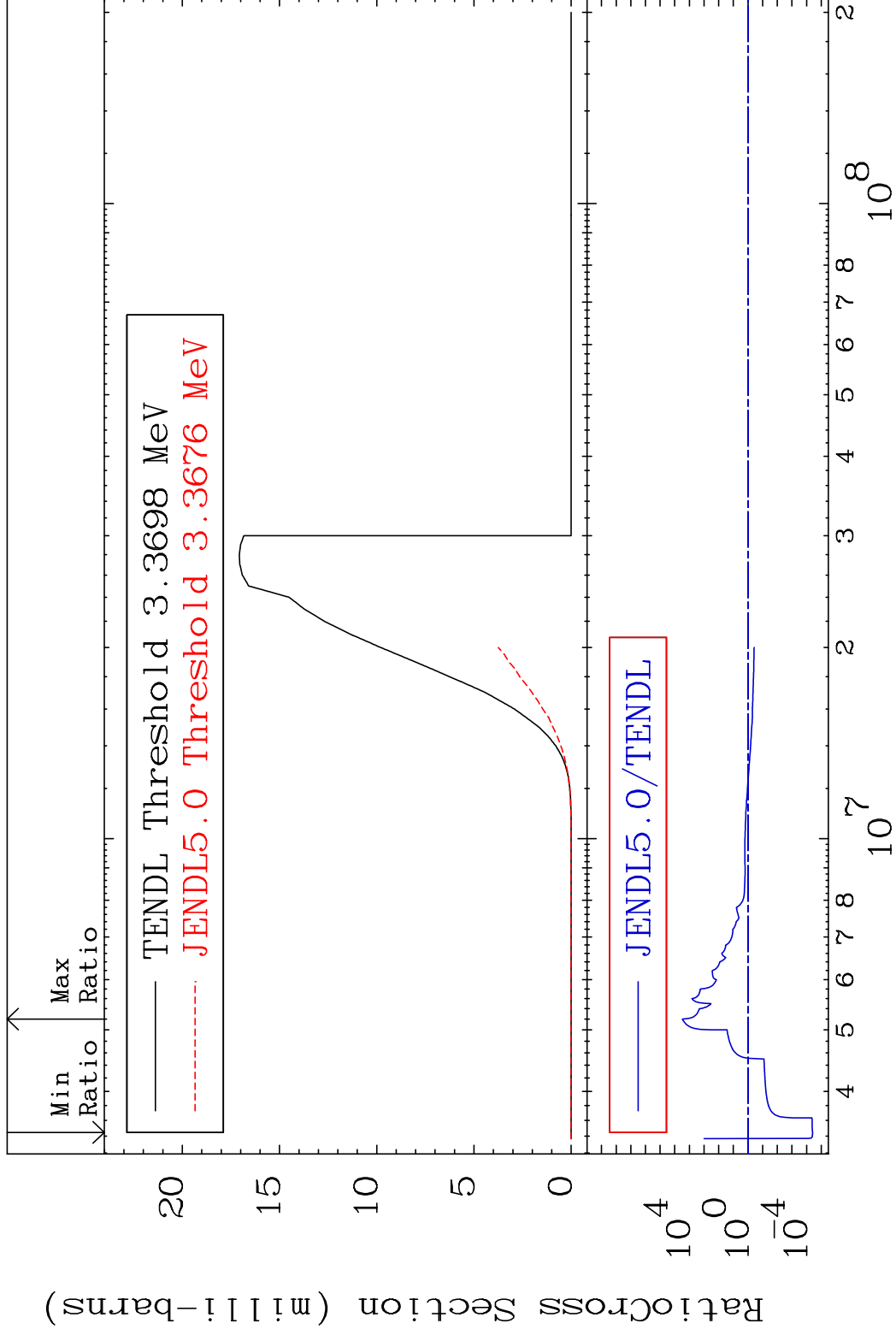
69-Tm-169

MAT 6925

(n,d)

69-Tm-169

Cross Section -100.0 To 9999. %

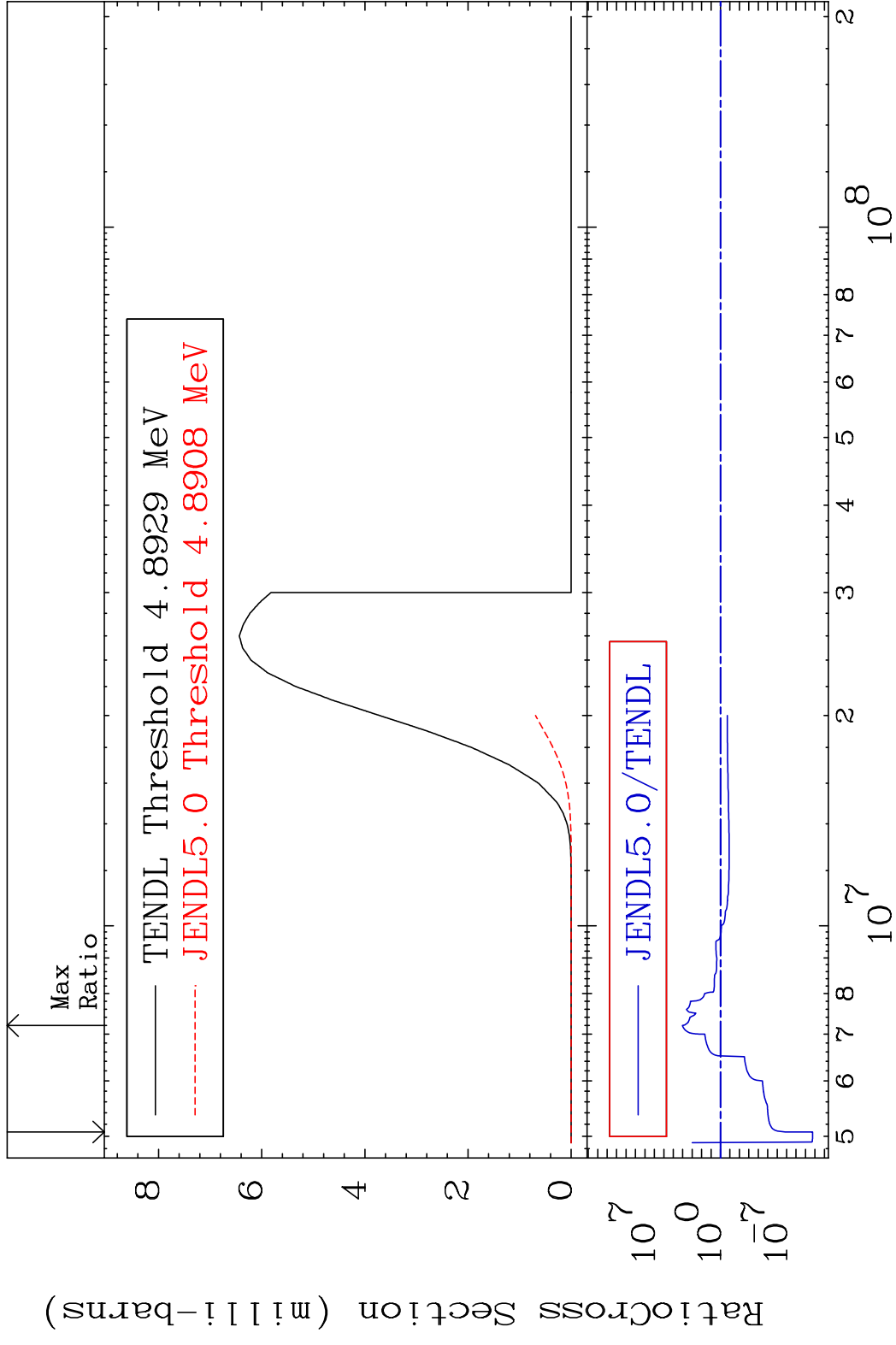


39

Incident Energy (eV)

69-Tm-169

MAT 6925 (n, t) 69-Tm-169
 Cross Section -100.0 To 9999. %



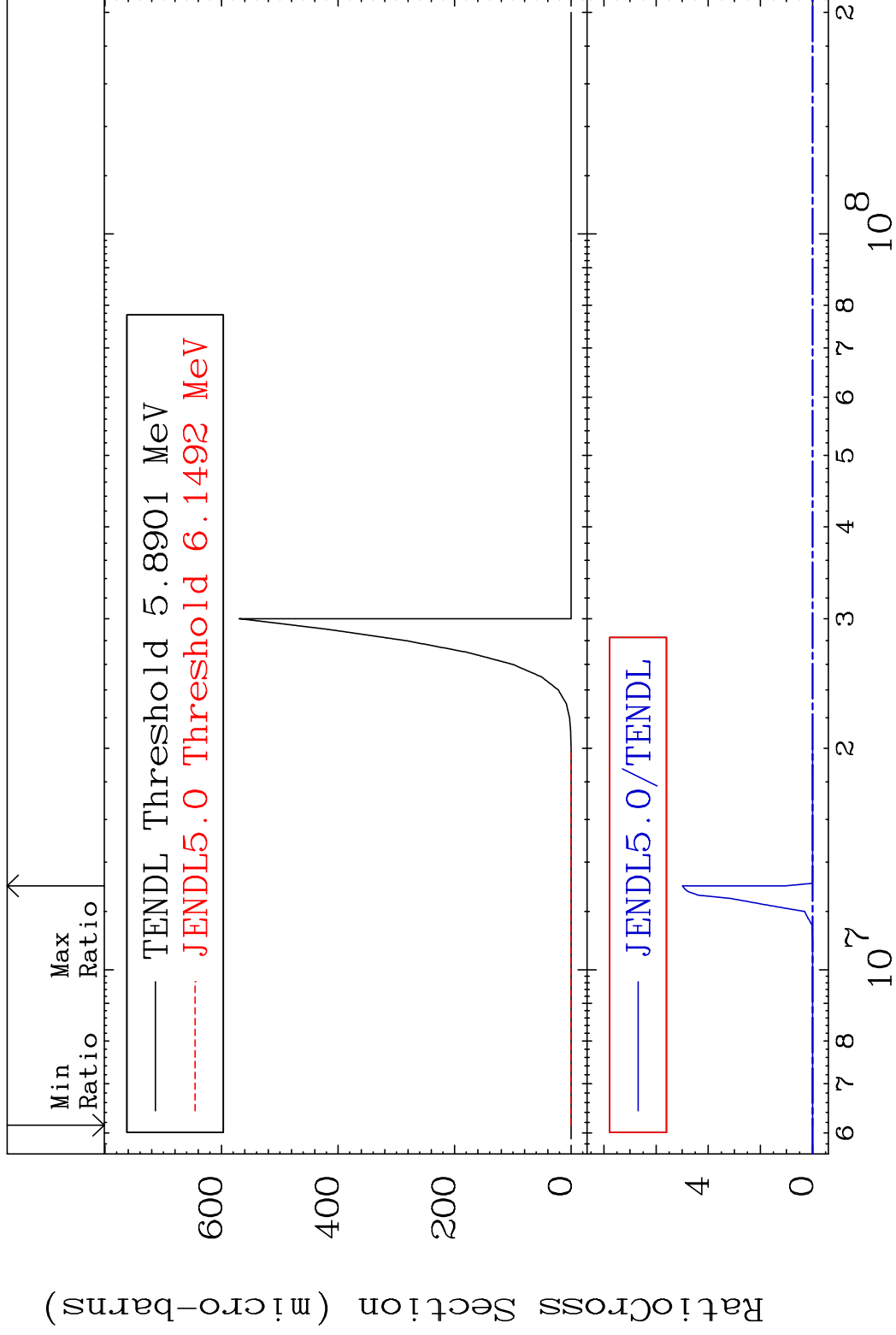
40 Incident Energy (eV) 69-Tm-169

MAT 6925

(n, He-3)

69-Tm-169

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

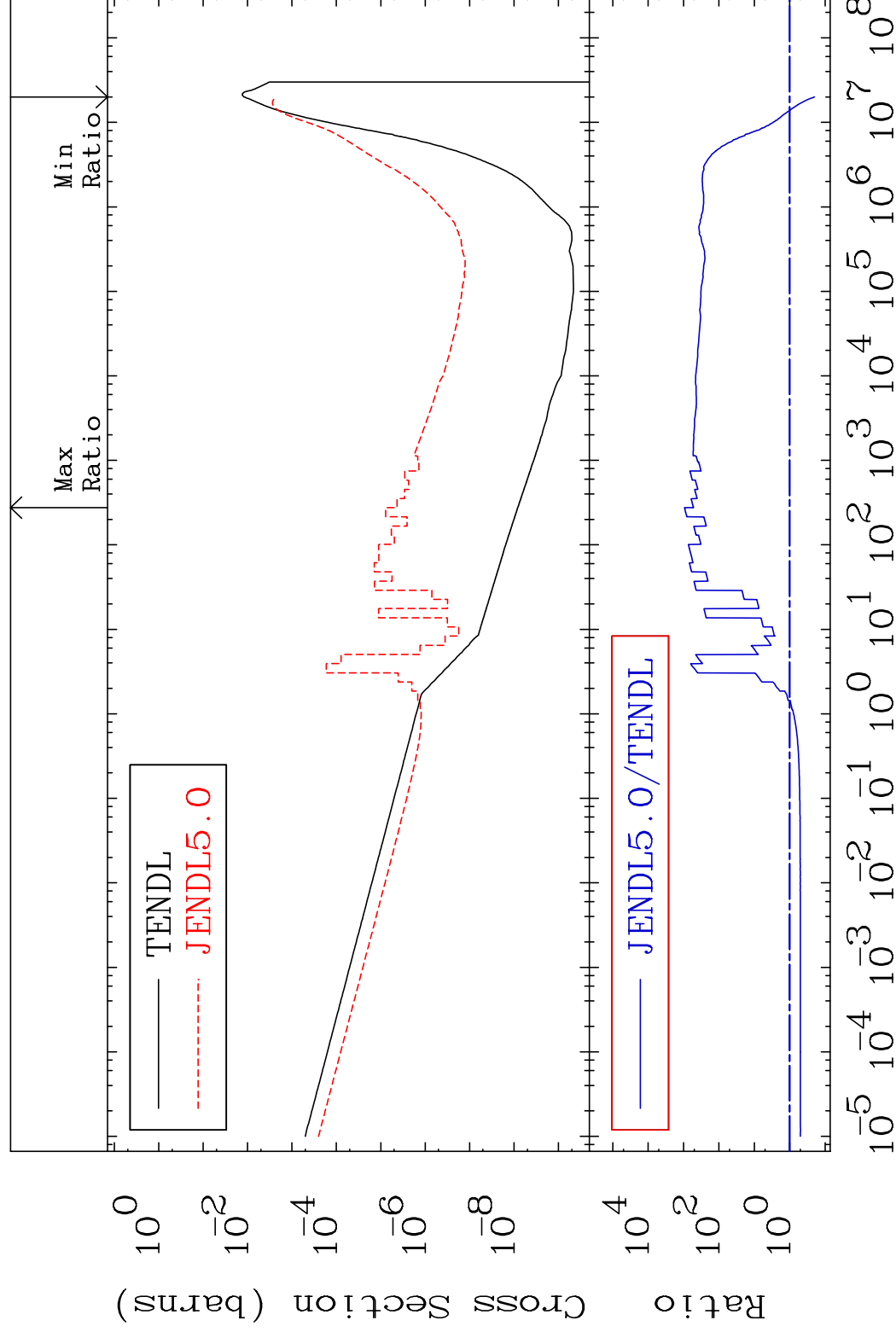
69-Tm-169

MAT 6925

69-Tm-169

(n, α)

Cross Section -79.93 To 9999. %



42

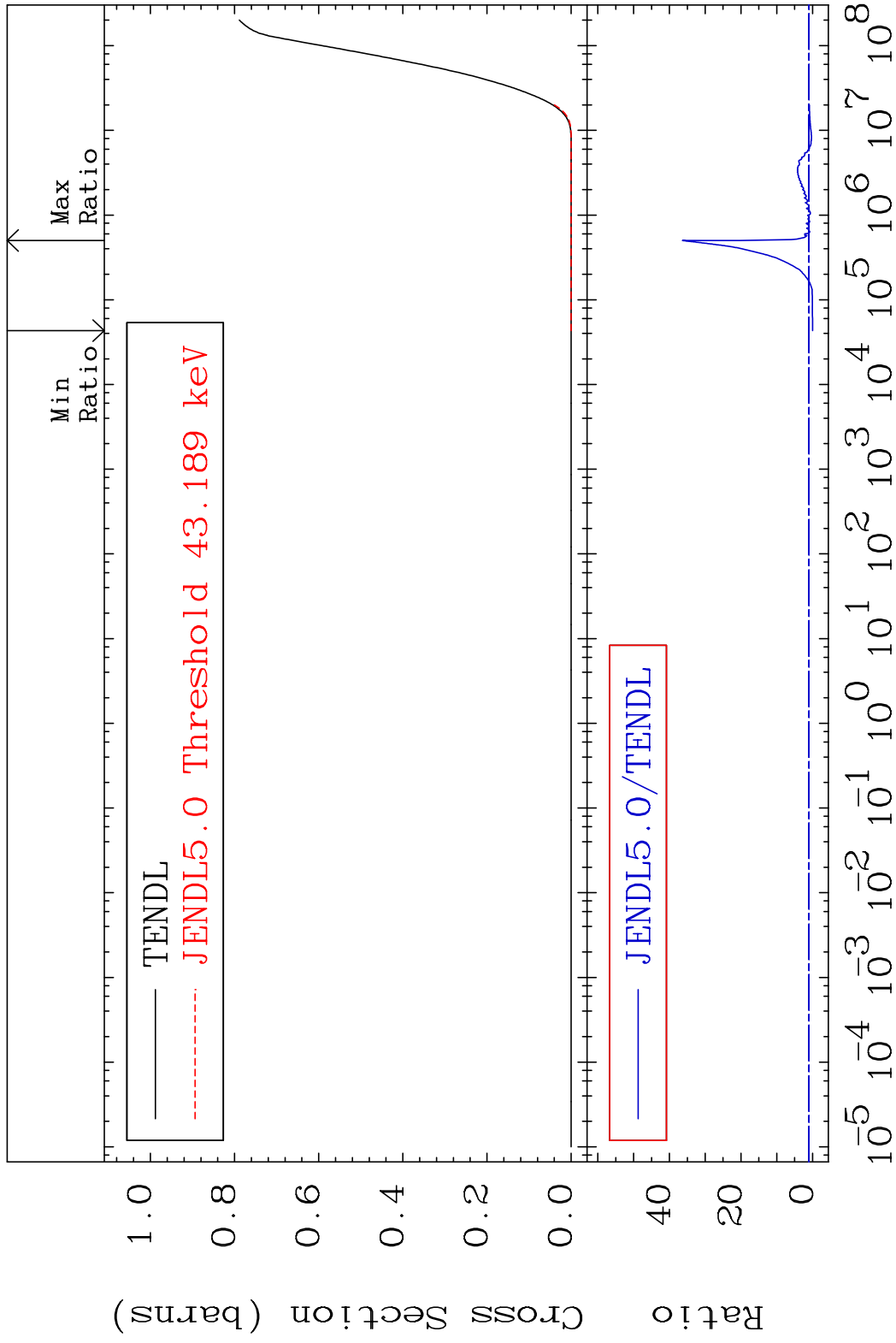
Incident Energy (eV)

69-Tm-169

MAT 6925

Hydrogen Production
Cross Section -100.0 To 3538. %

69-Tm-169

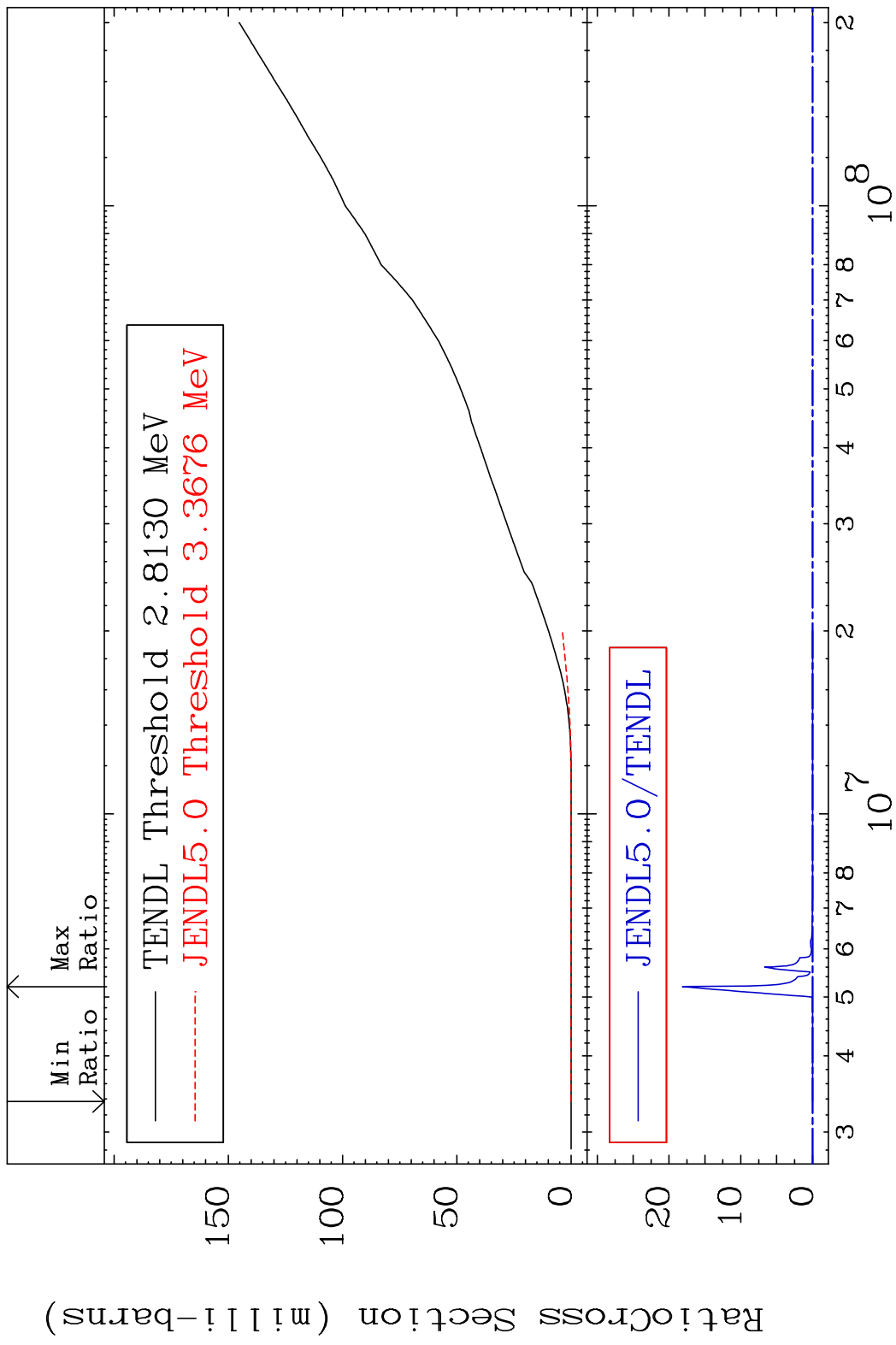


43

Incident Energy (eV)

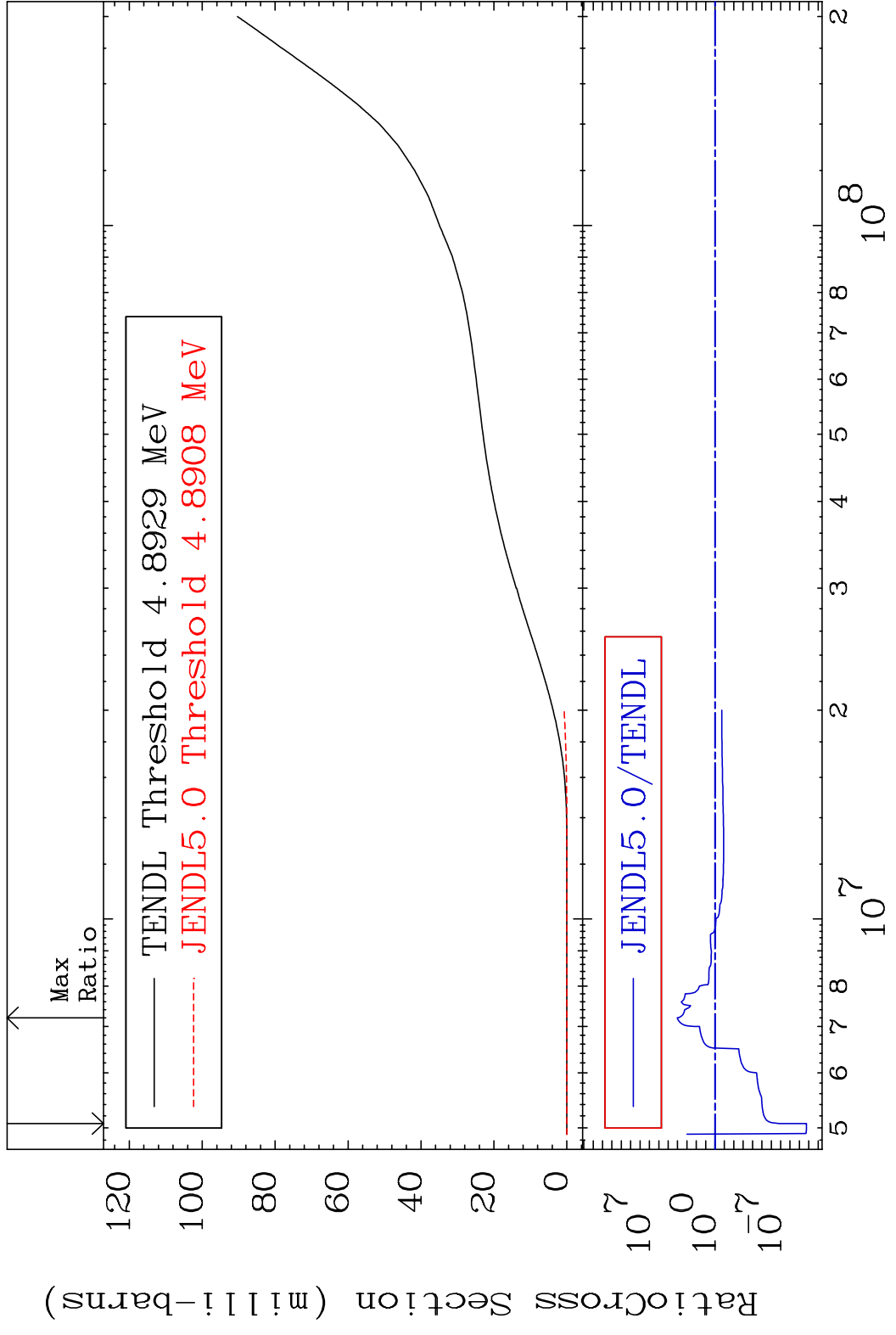
69-Tm-169

MAT 6925 Deuterium Production 69-Tm-169
 Cross Section -100.0 To 9999. %



44 69-Tm-169

MAT 6925 Tritium Production 69-Tm-169
 Cross Section -100.0 To 9999. %

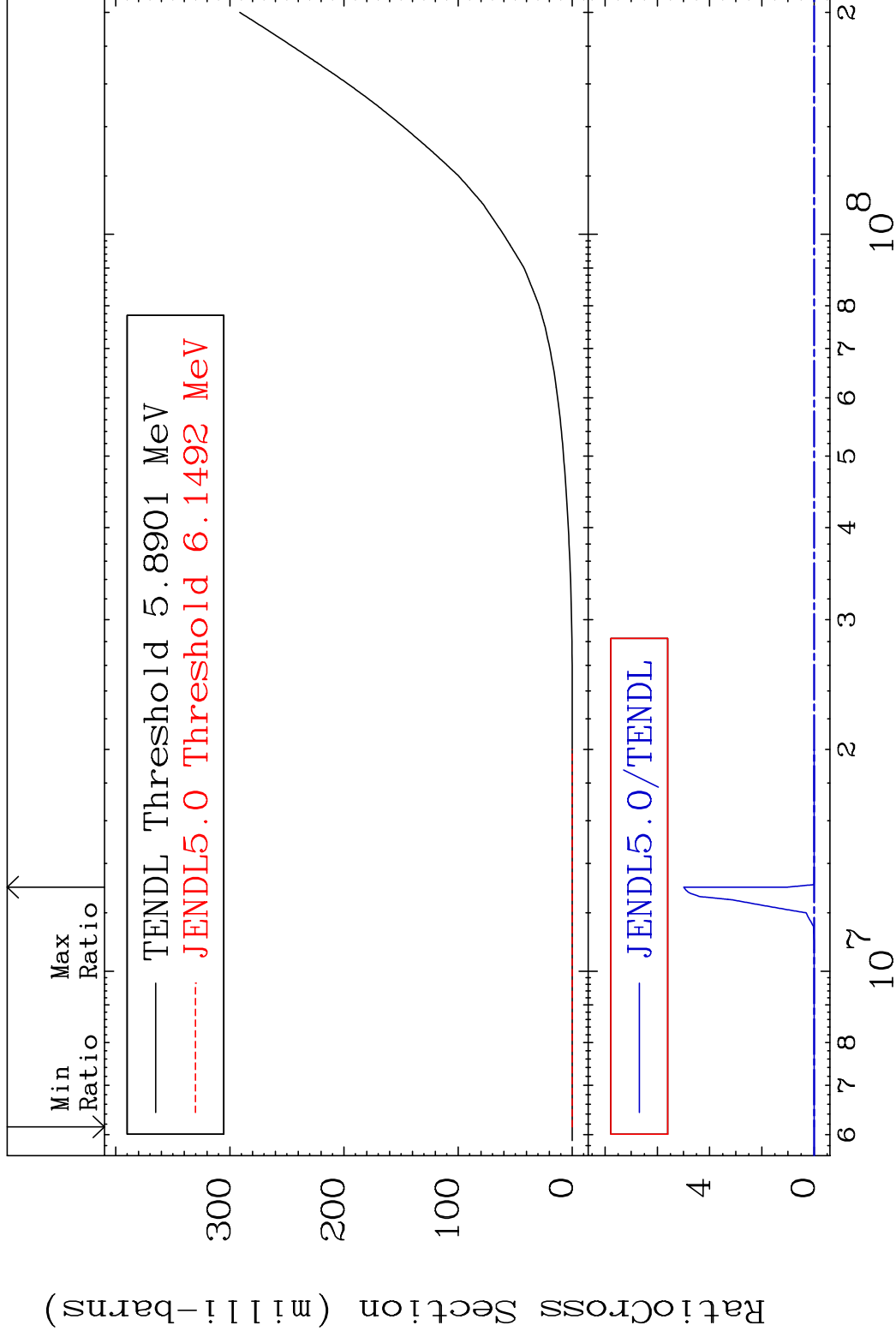


MAT 6925

He-3 Production

69-Tm-169

Cross Section -100.0 To 9999. %



46

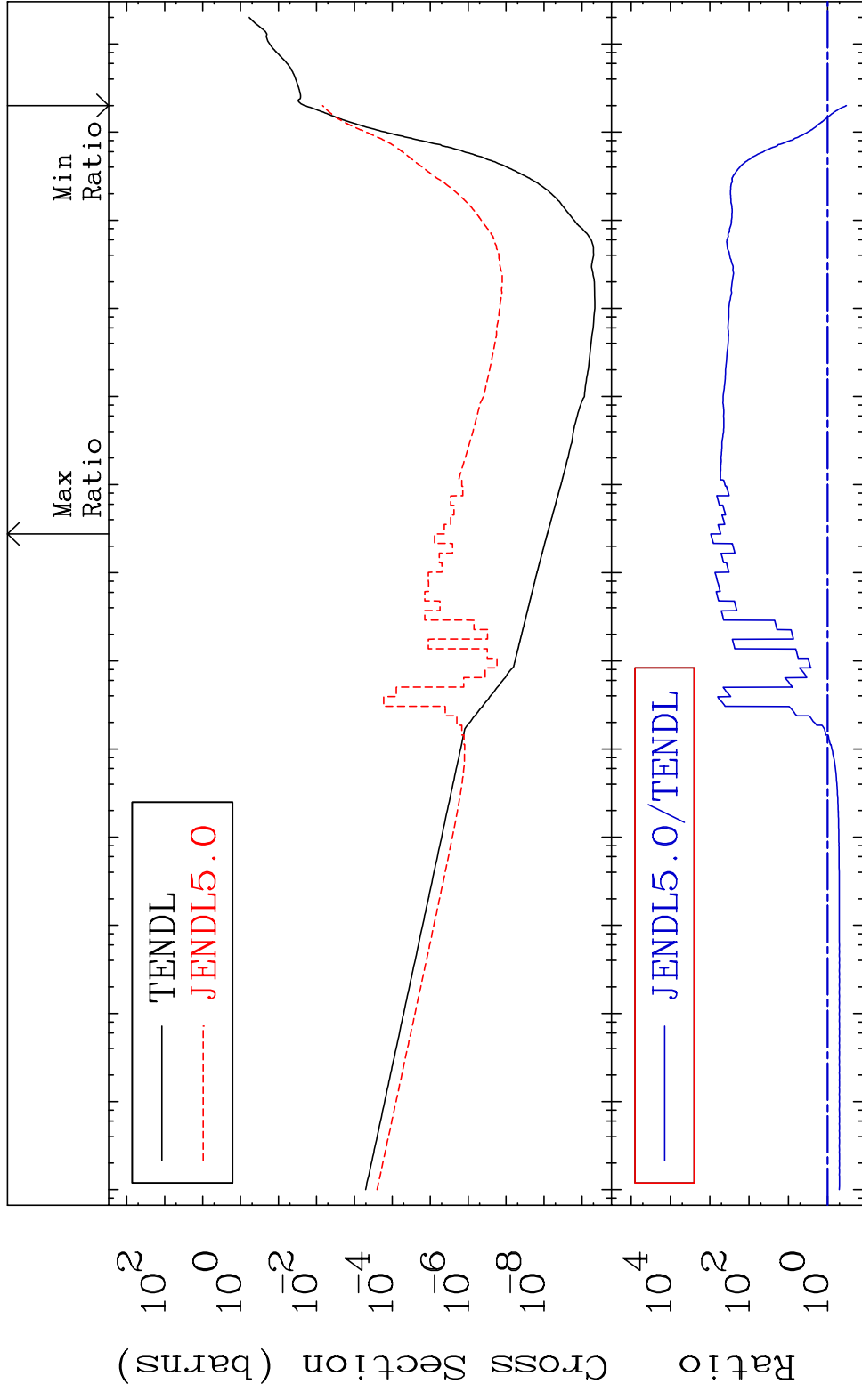
Incident Energy (eV)

69-Tm-169

MAT 6925

He-4 Production
Cross Section

69-Tm-169
-66.55 To 9999. %



Cross Section (barns)
Ratio

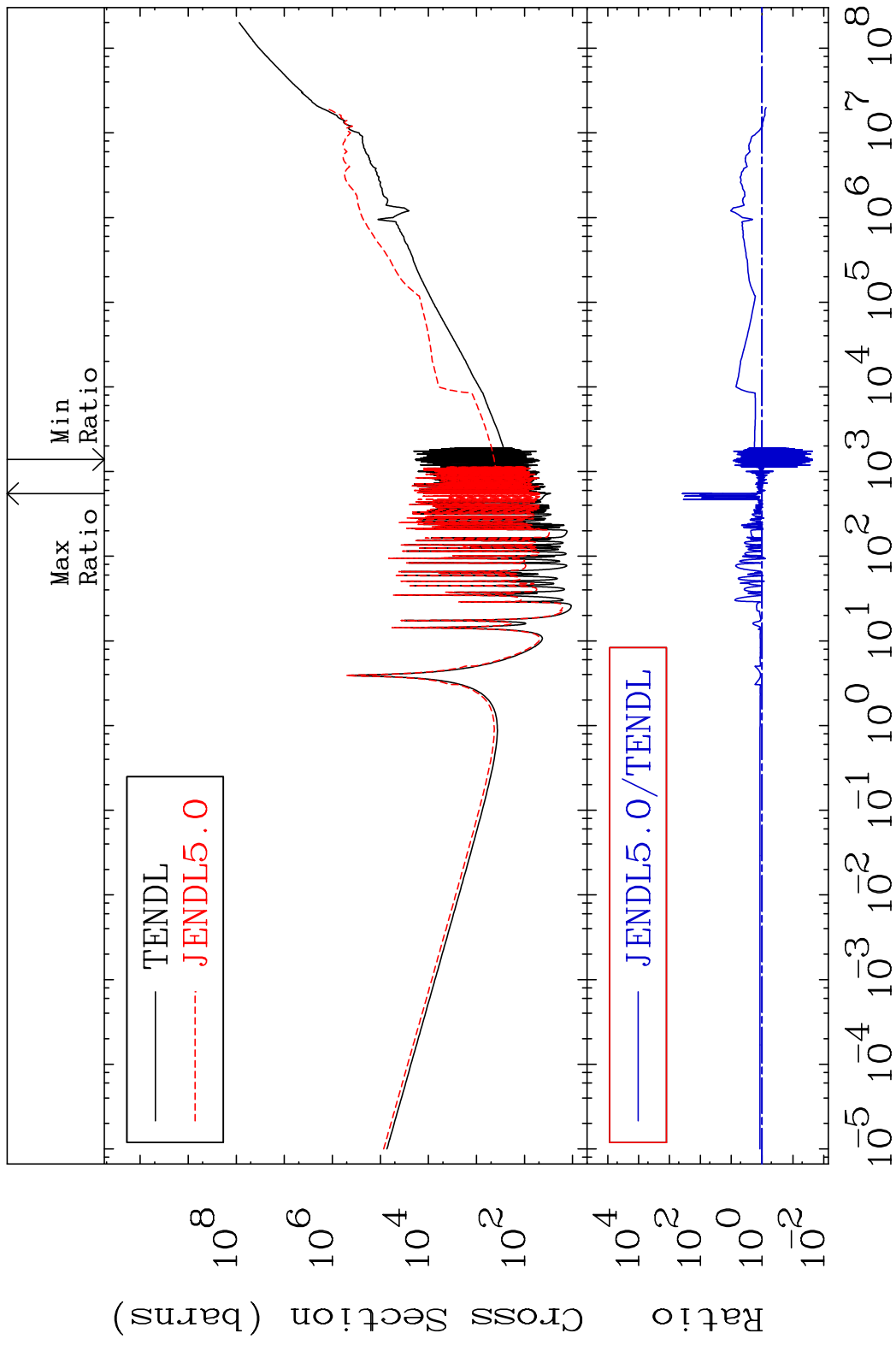
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

47

Incident Energy (eV)

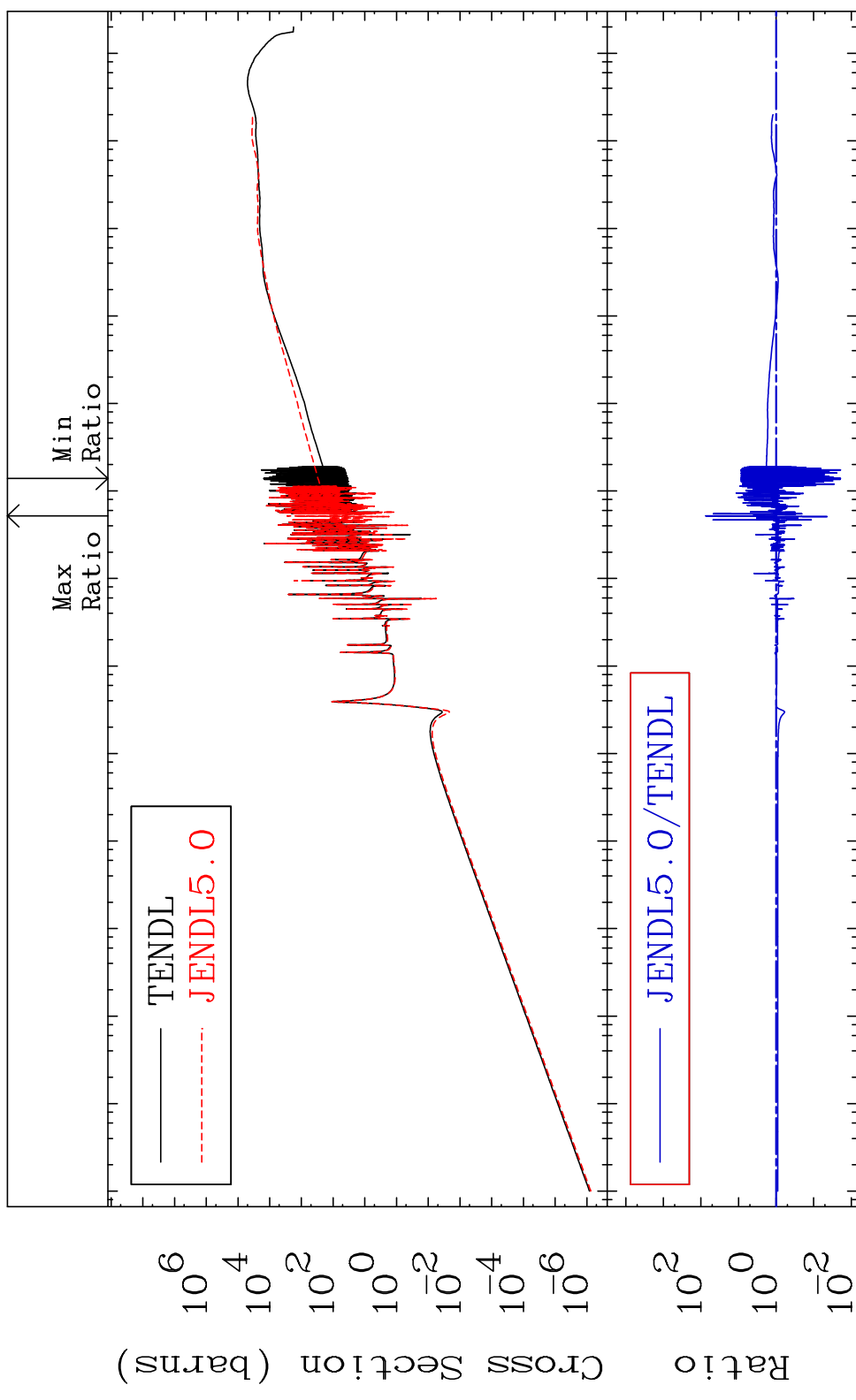
69-Tm-169

MAT 6925 Kerma total (eV-barns) 69-Tm-169
Cross Section -97.69 To 9999. %

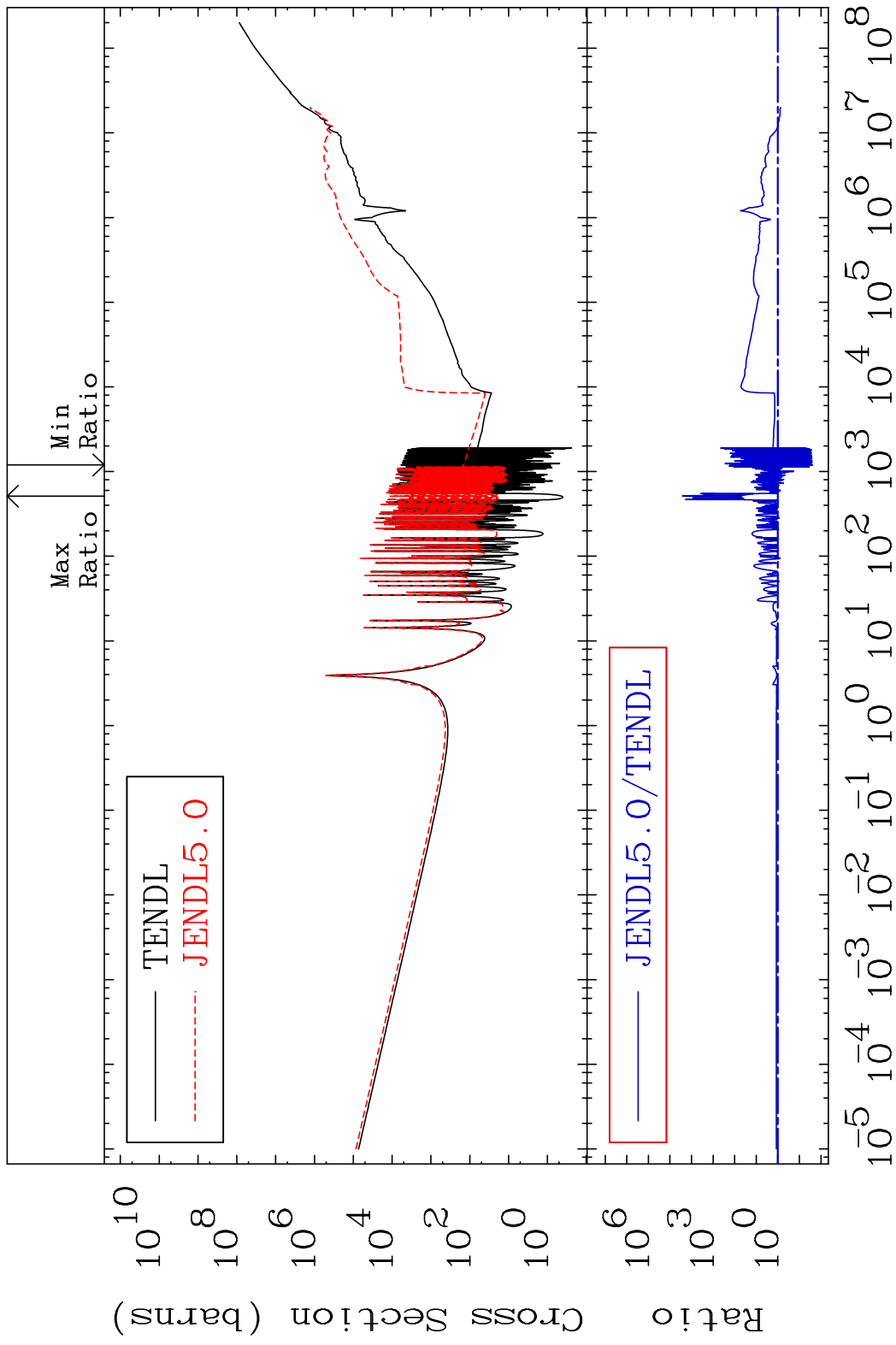


MAT 6925

Kerma elastic Cross Section -98.06 To 7330. %
69-Tm-169

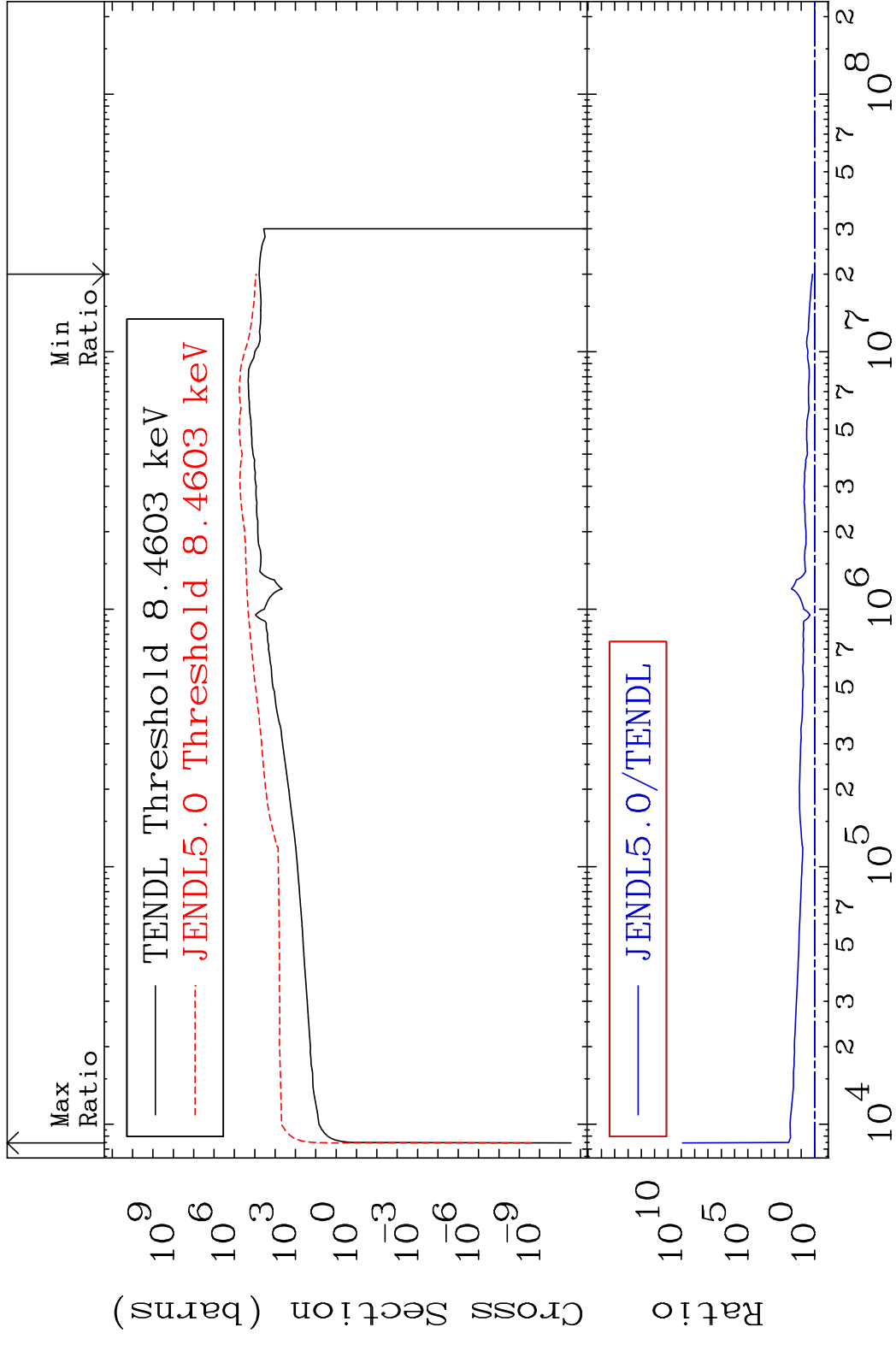


MAT 6925 Kerma non-elastic (all but mt2) 69-Tm-169
 Cross Section -97.55 To 9999. %

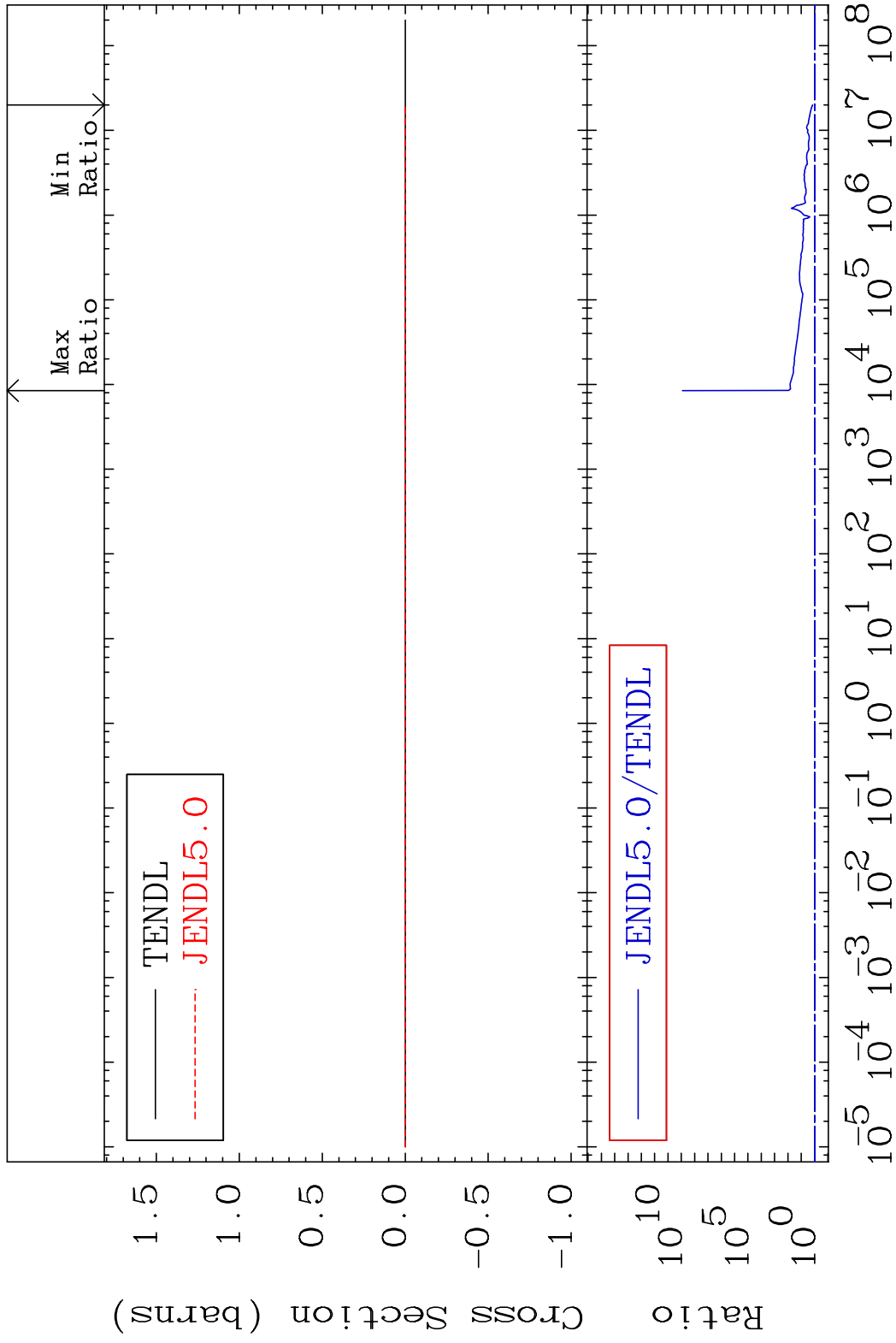


50 Incident Energy (eV) 69-Tm-169

MAT 6925 Kerma inelastic (mt51-91) 69-Tm-169
 Cross Section 41.15 To 9999. %

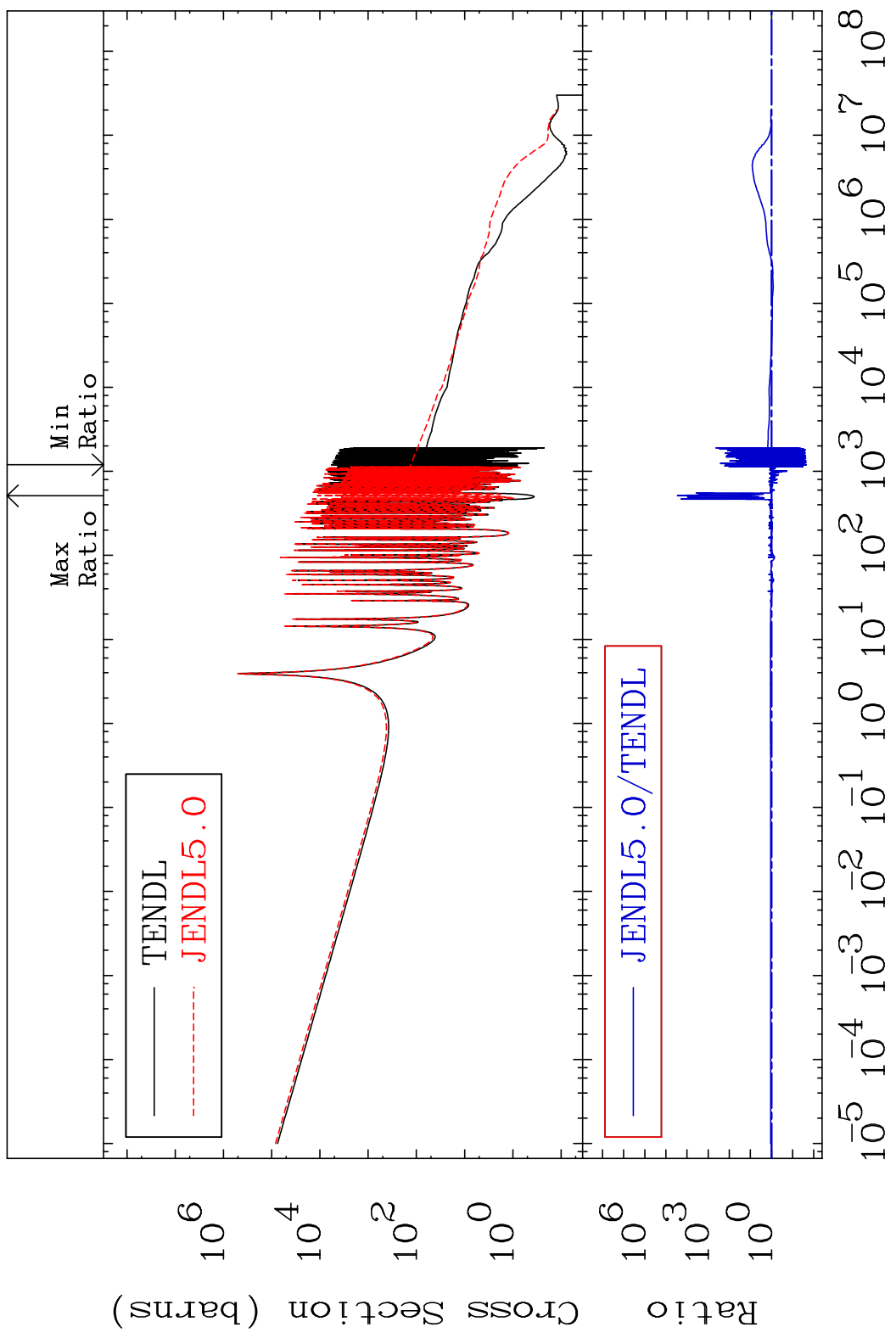


MAT 6925 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-169
 Cross Section 41.15 To 9999. %



MAT 6925

Kerma capture (mt102) 69-Tm-169
Cross Section -97.77 To 9999. %

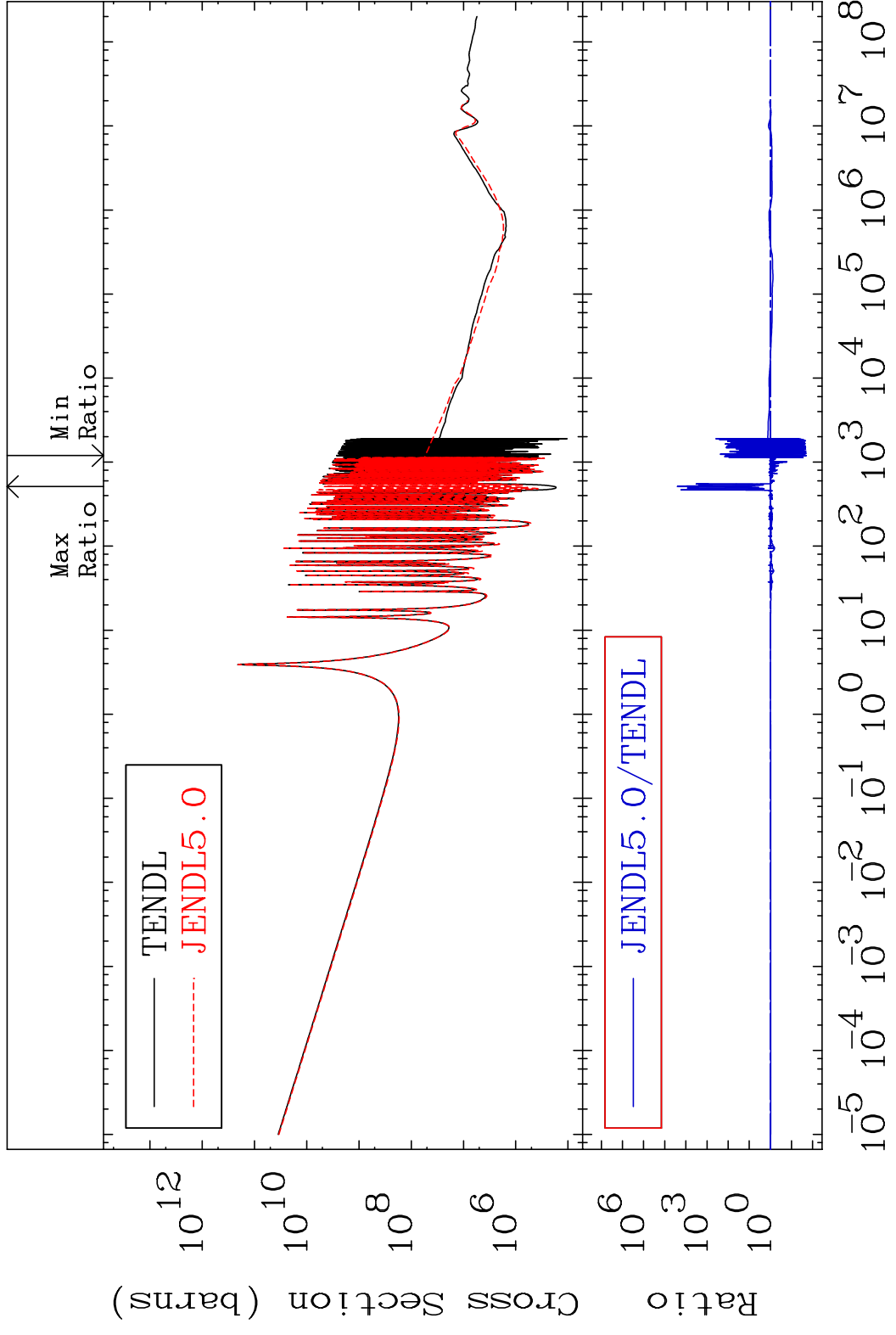


53

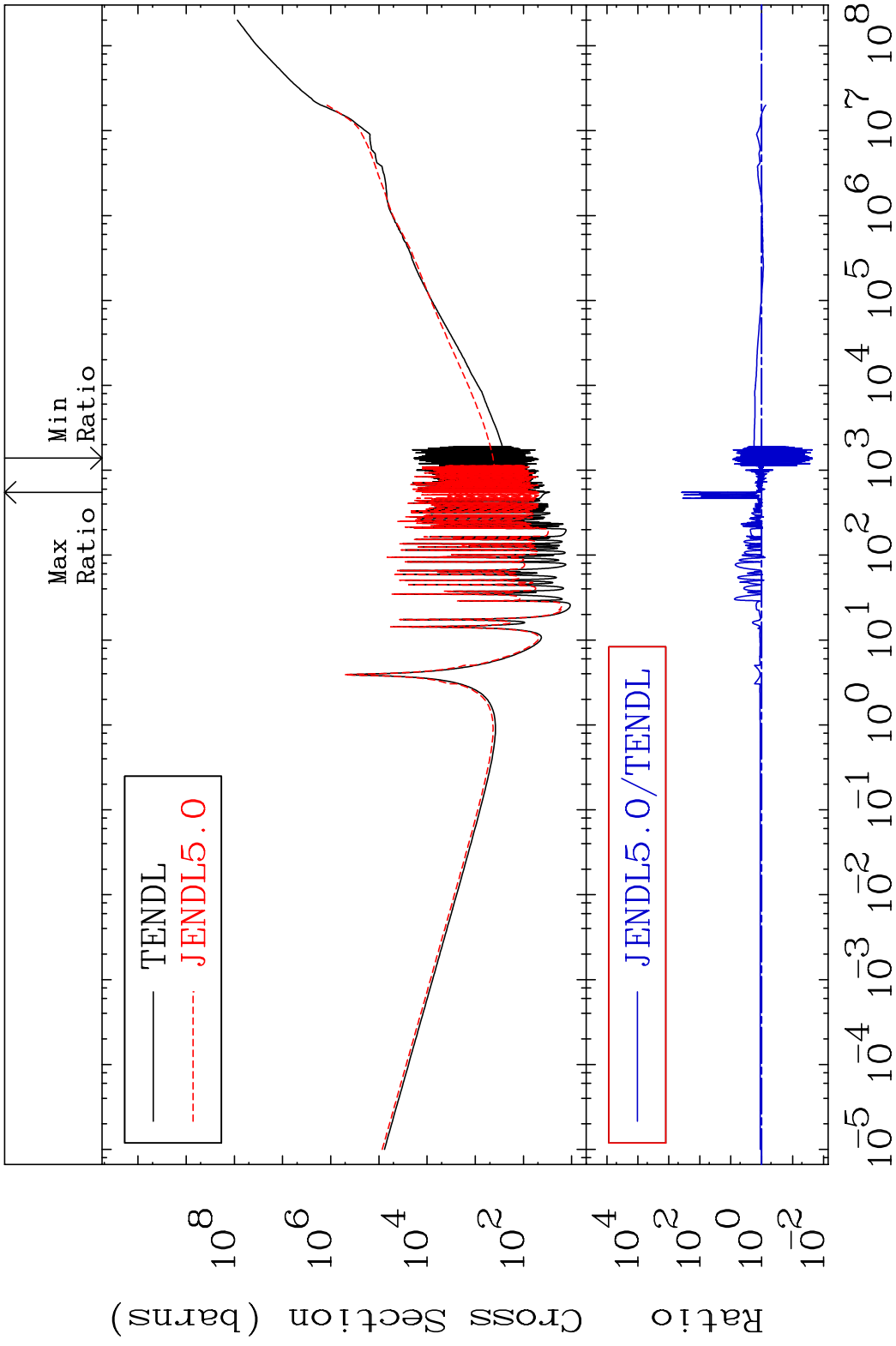
Incident Energy (eV) 69-Tm-169

MAT 6925

Total photon (eV-barns) 69-Tm-169
Cross Section -98.03 To 9999. %



MAT 6925 Total kinematic kerma (high limit) 69-Tm-169
Cross Section -97.69 To 9999. %

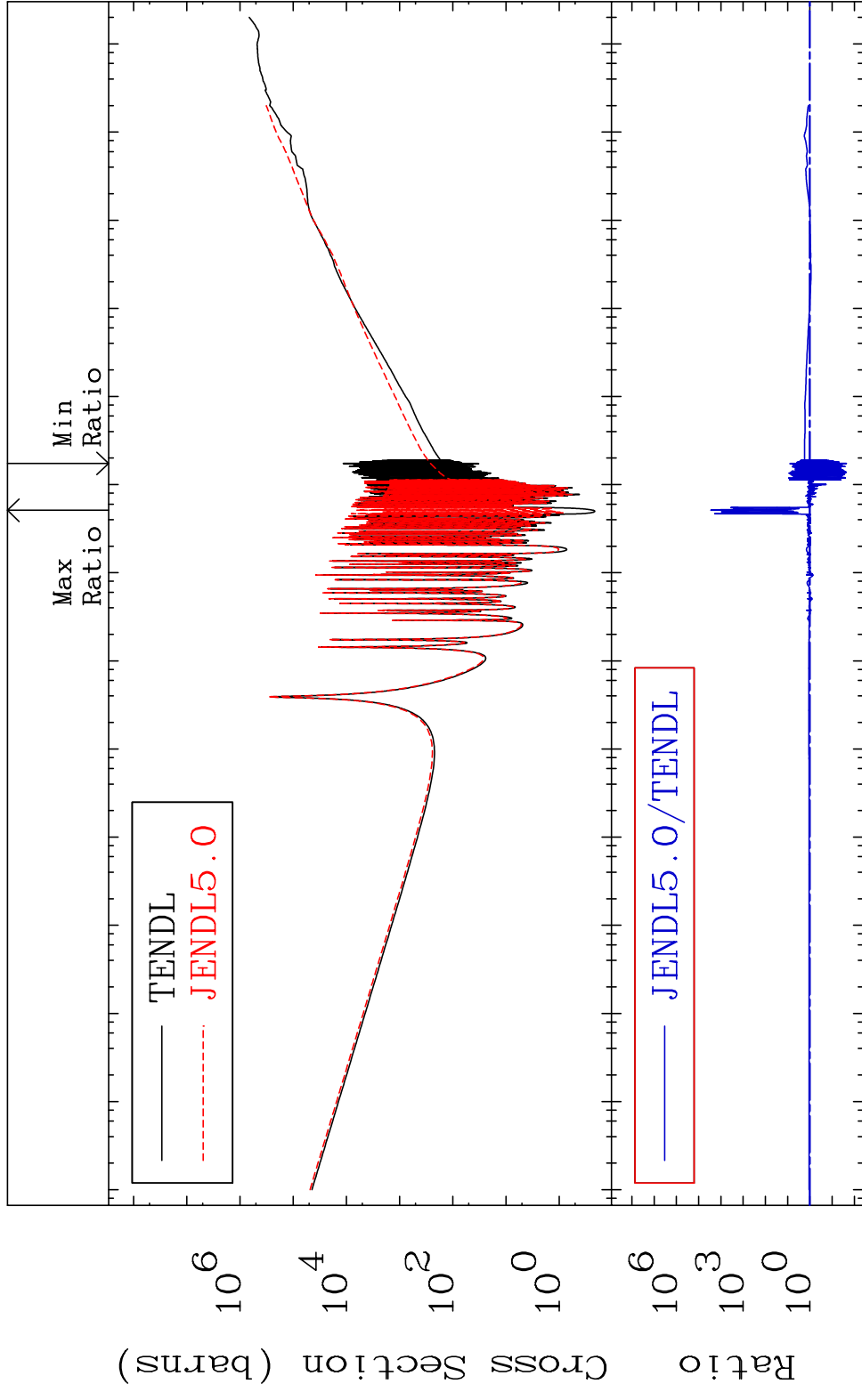


MAT 6925

Dpa total (eV-barns)

69-Tm-169

Cross Section -97.71 To 9999. %



56

Incident Energy (eV)

69-Tm-169

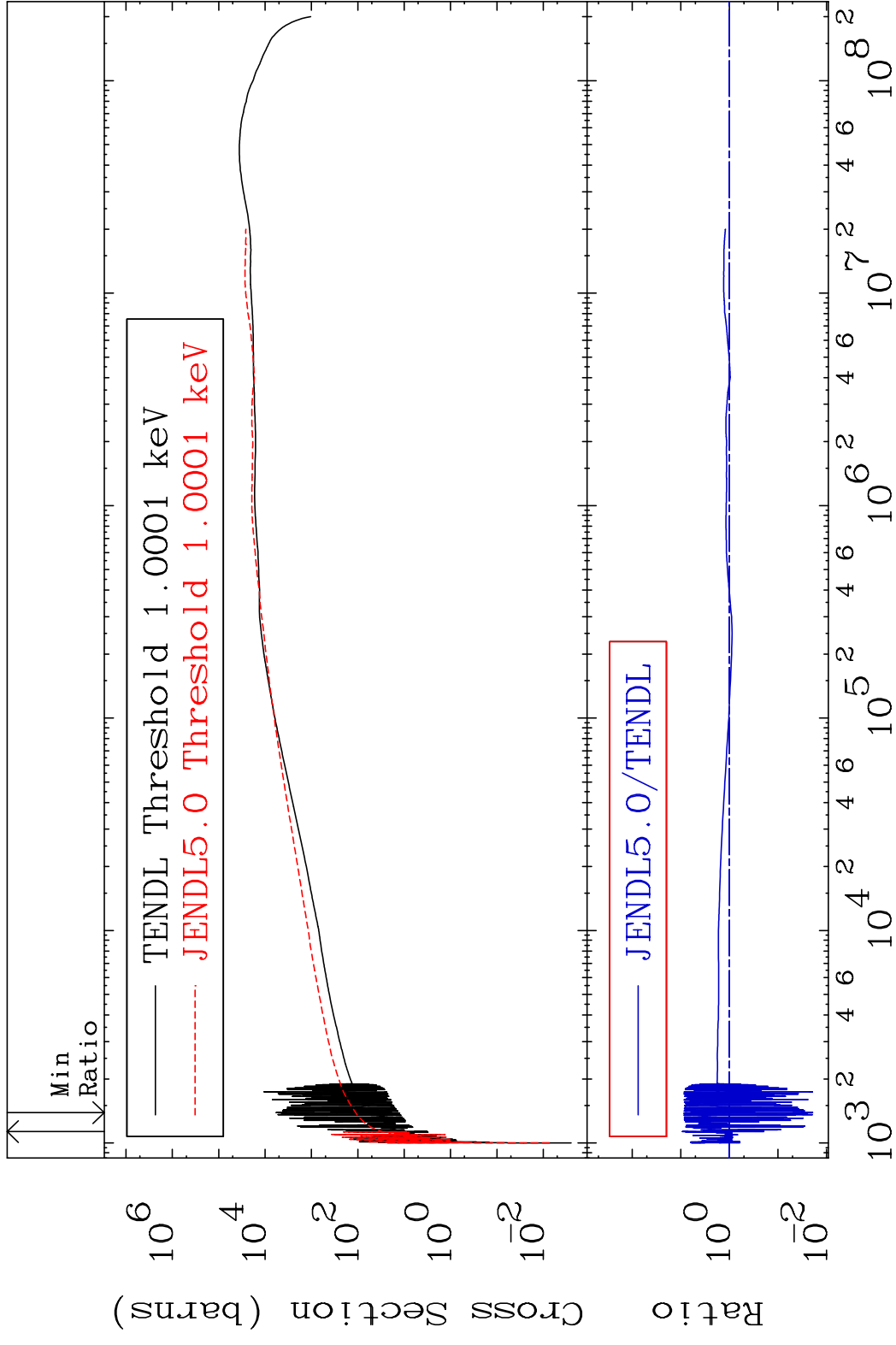
MAT 6925

Dpa elastic (mt2)

69-Tm-169

Cross Section

-98.06 To 831.8 %

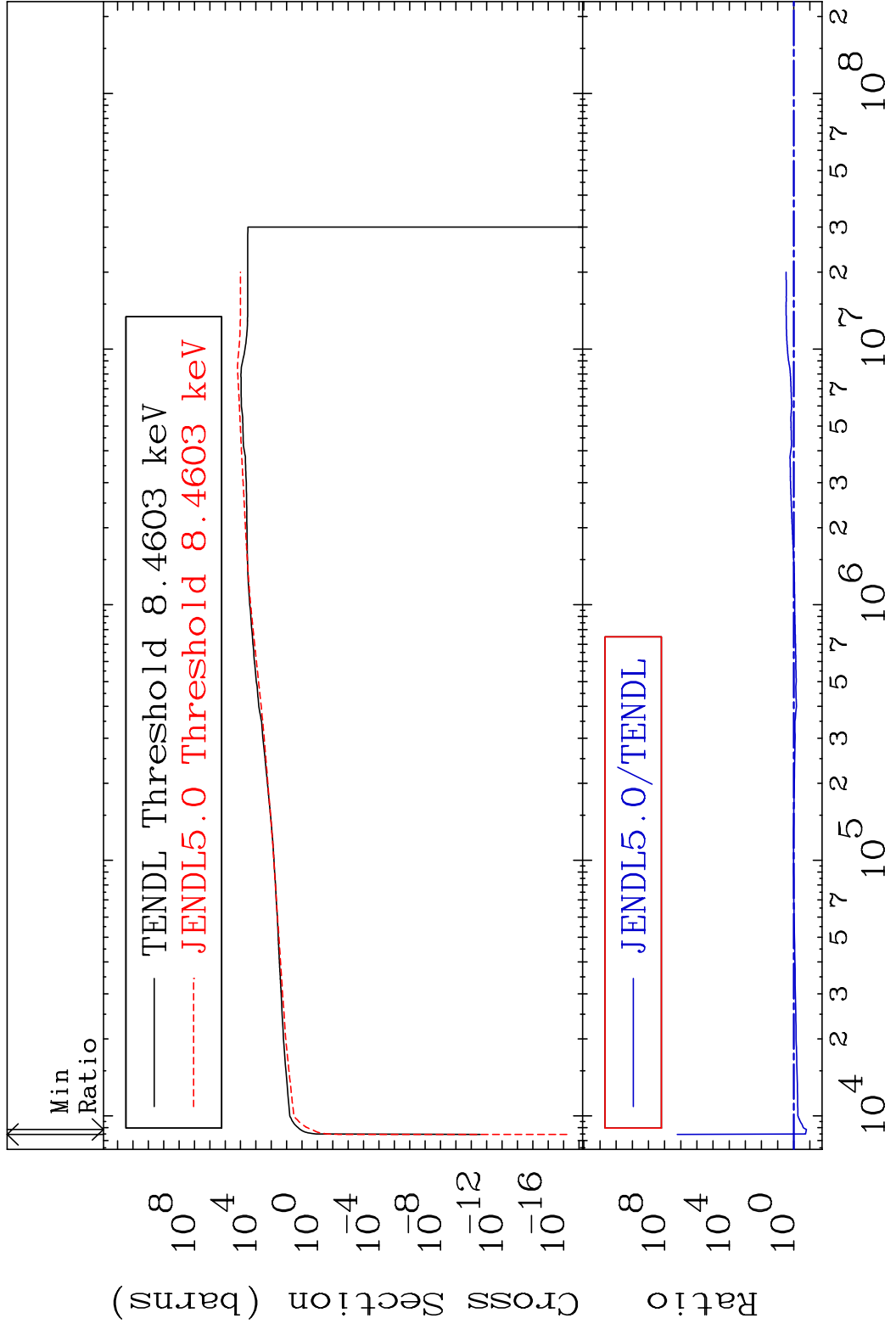


57

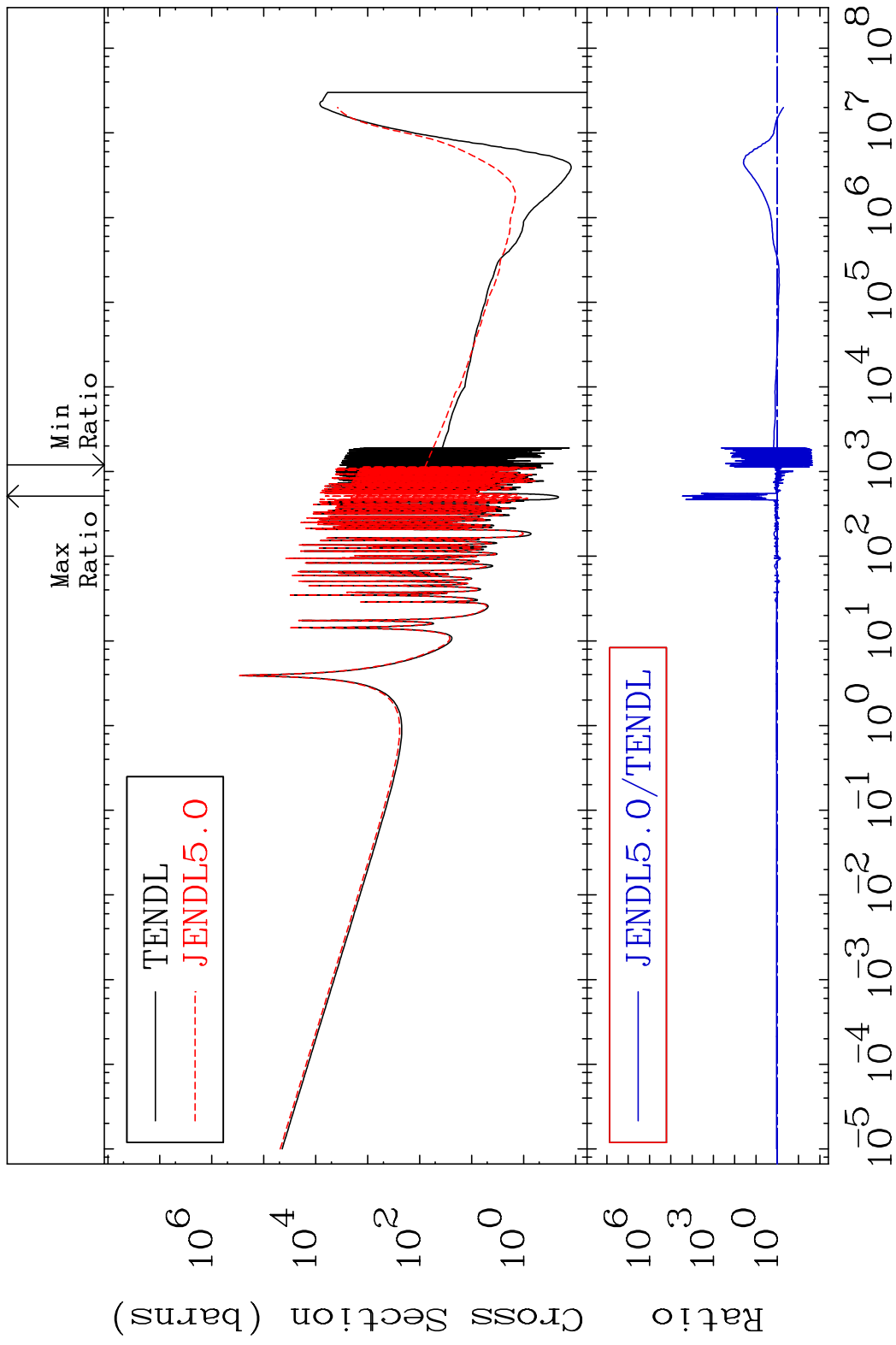
Incident Energy (eV)

69-Tm-169

MAT 6925 Dpa inelastic (mt51-91) 69-Tm-169
 Cross Section -83.48 To 9999. %

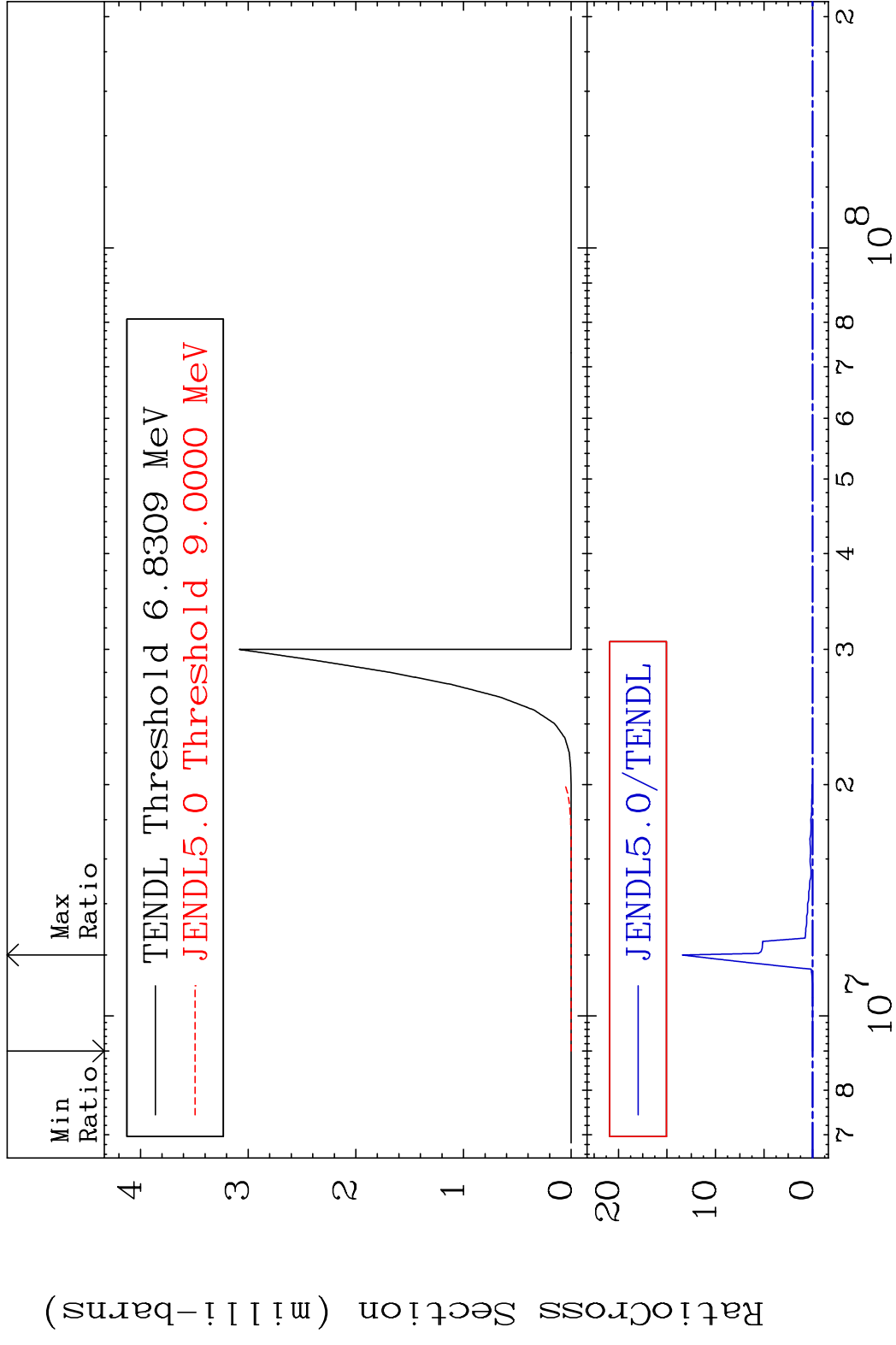


MAT 6925 Dpa disappearance (mt102 -120) 69-Tm-169
 Cross Section -97.79 To 9999. %

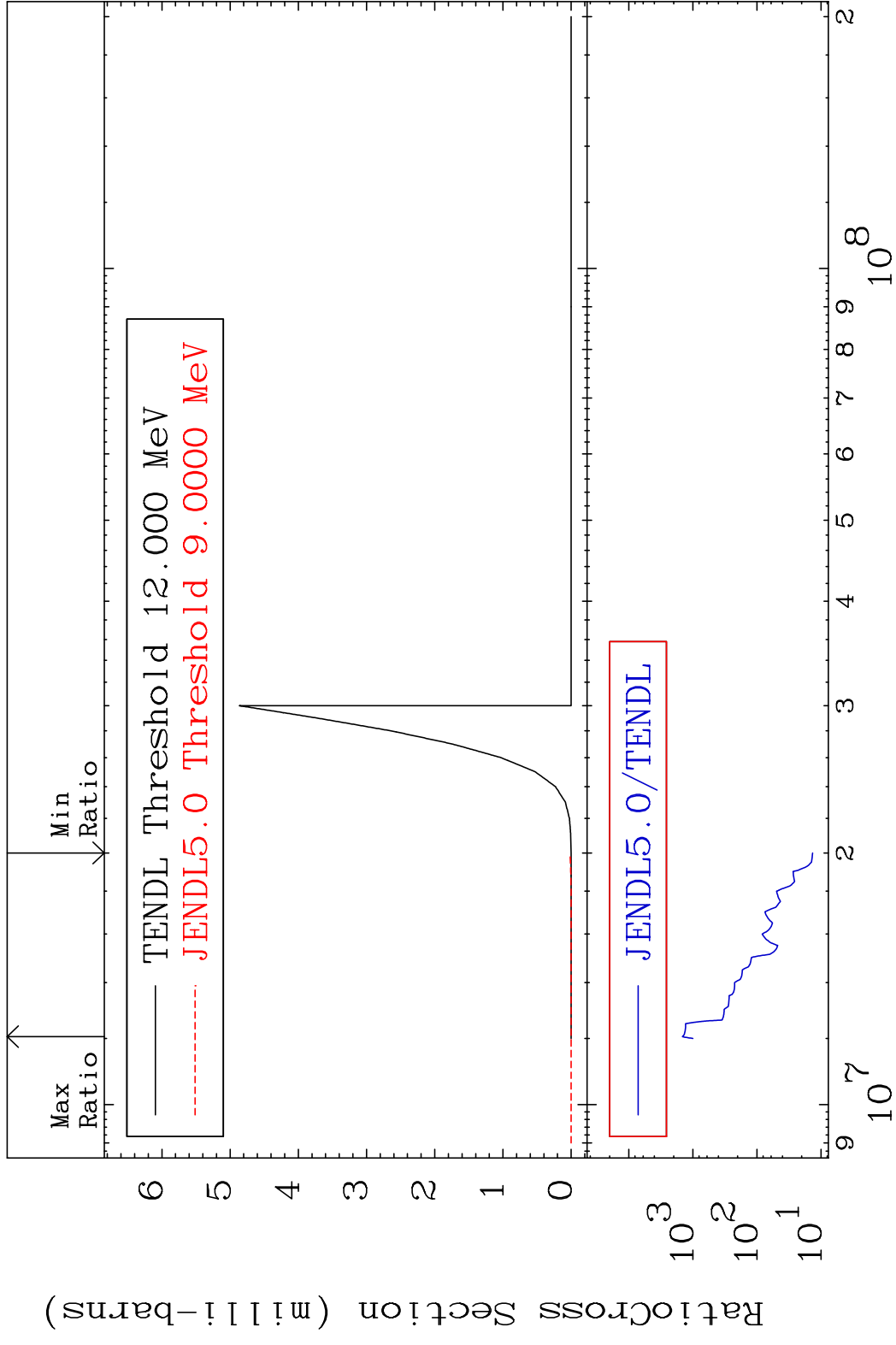


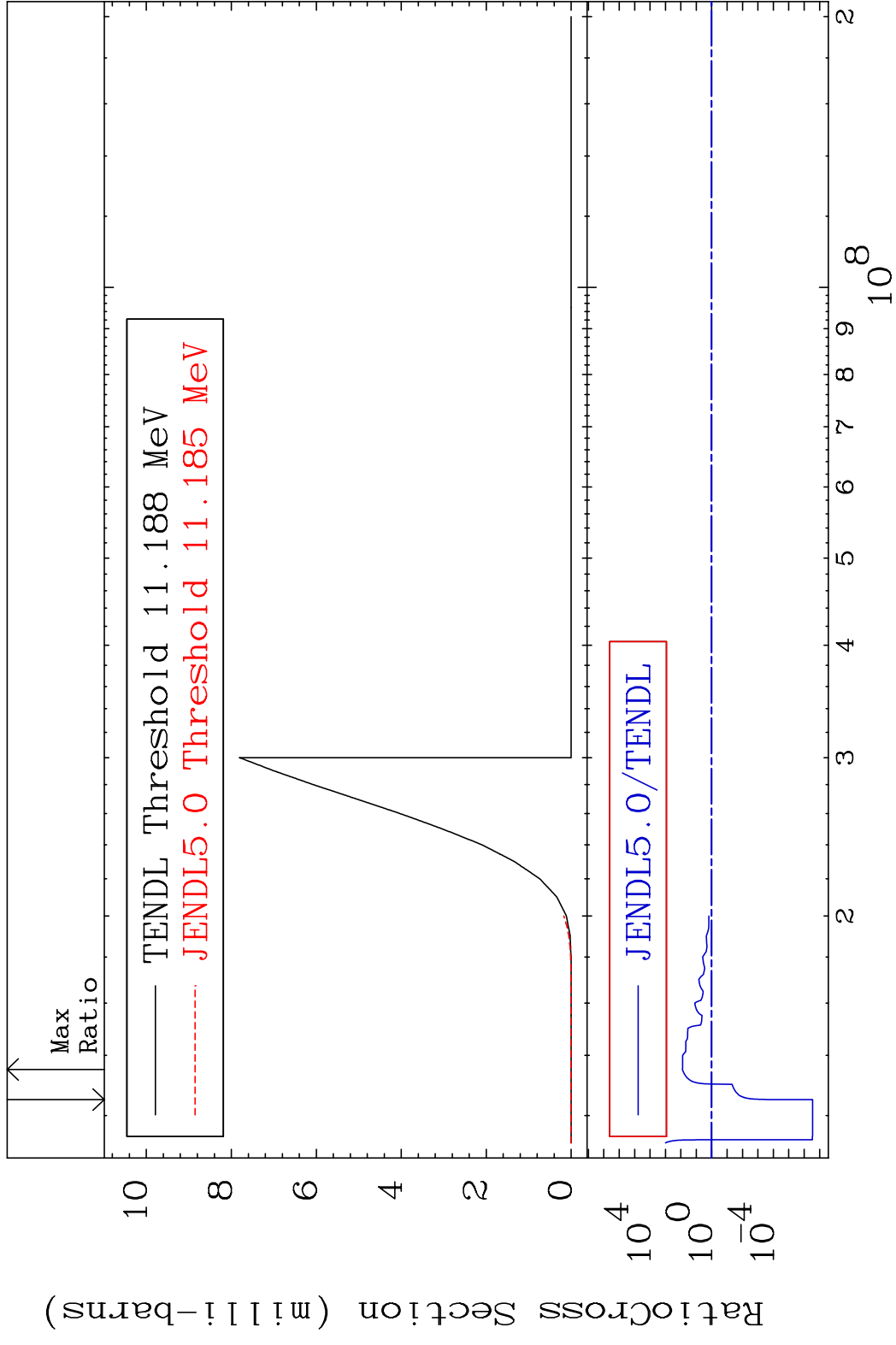
59 Incident Energy (eV) 69-Tm-169

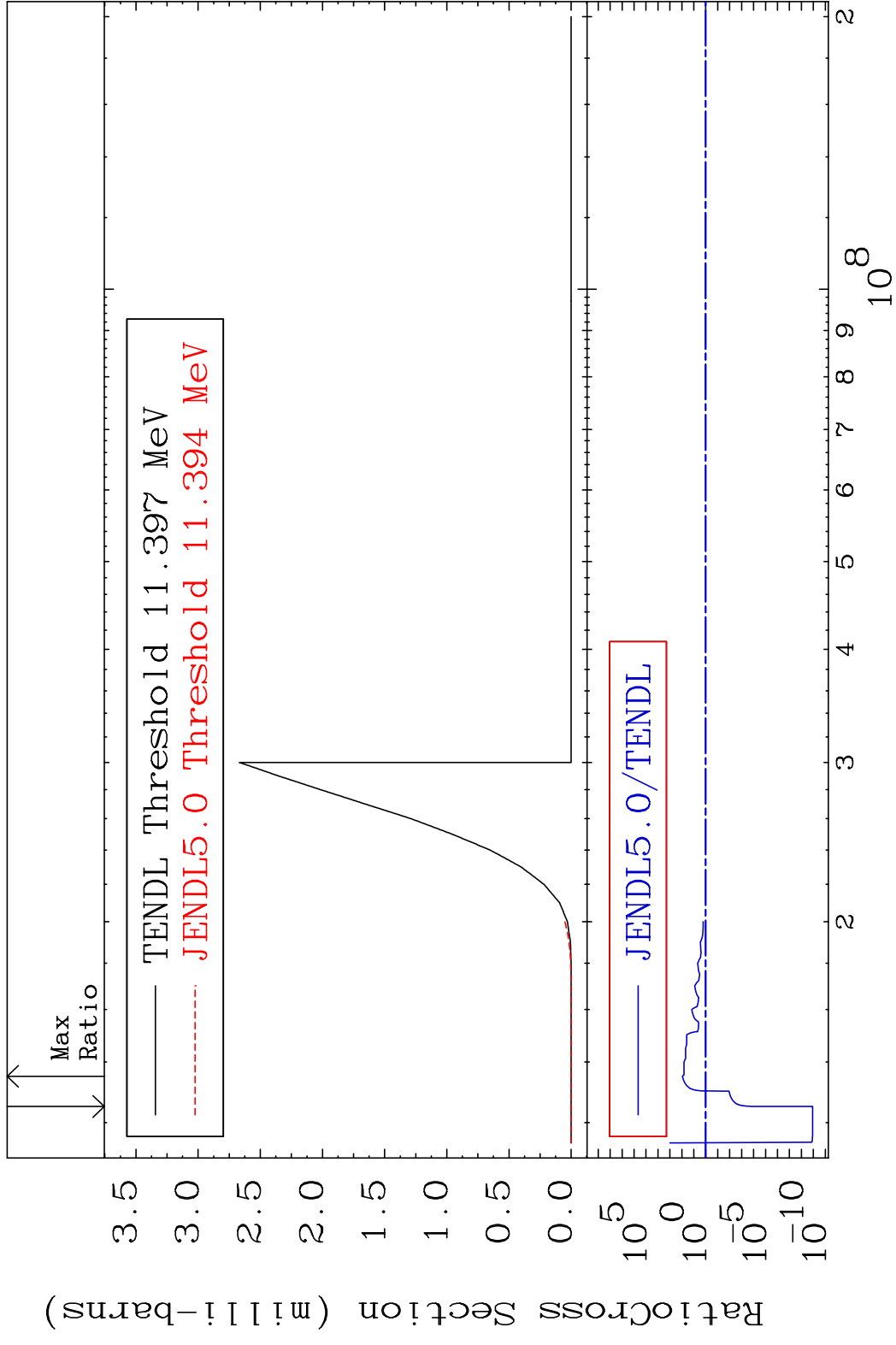
MAT 6925 (n,2n) α :67-Ho-164g 69-Tm-169
 Radionuclide Production Cross Section Ratio 9999. %

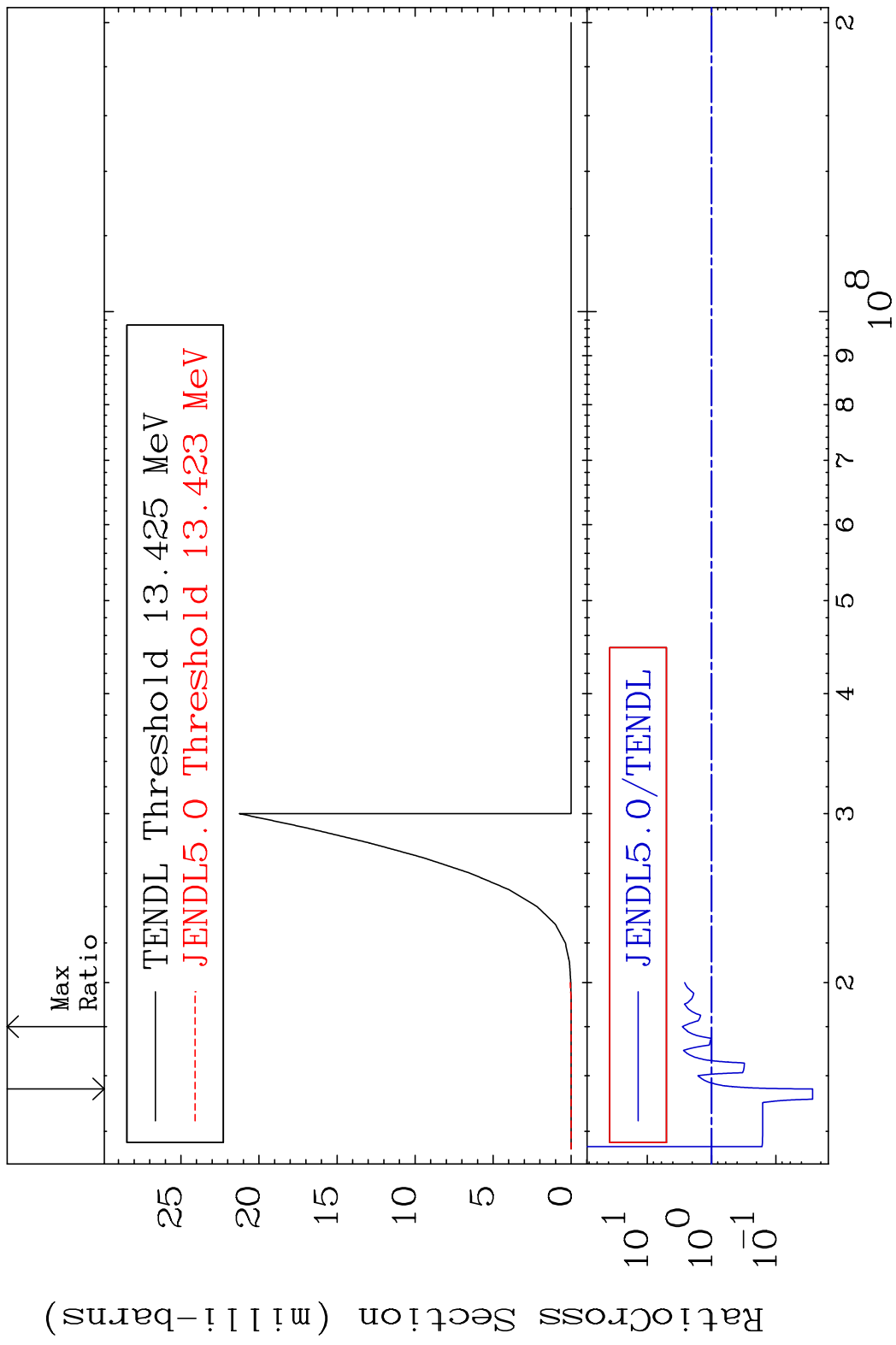


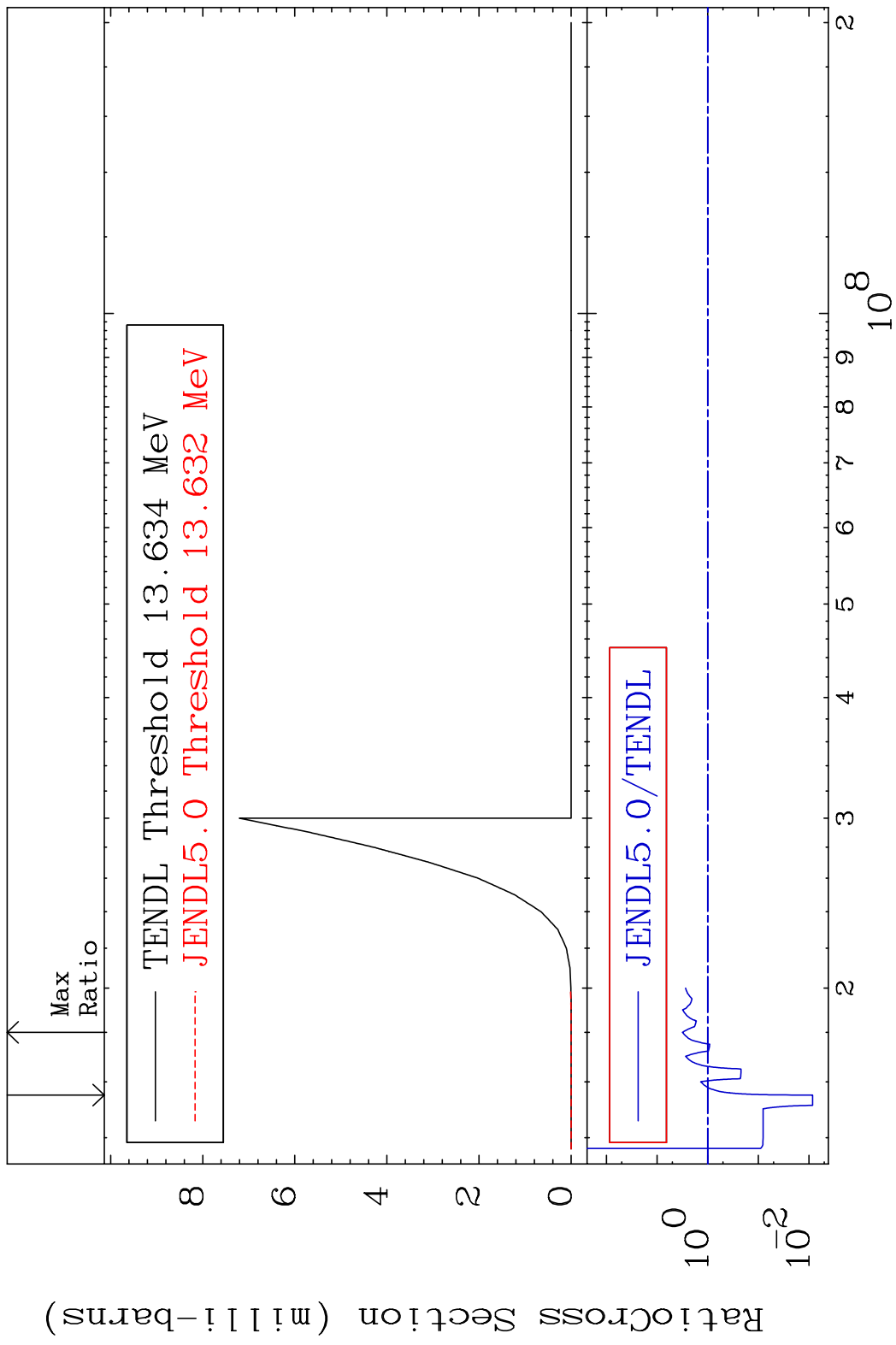
60 Incident Energy (eV) 69-Tm-169

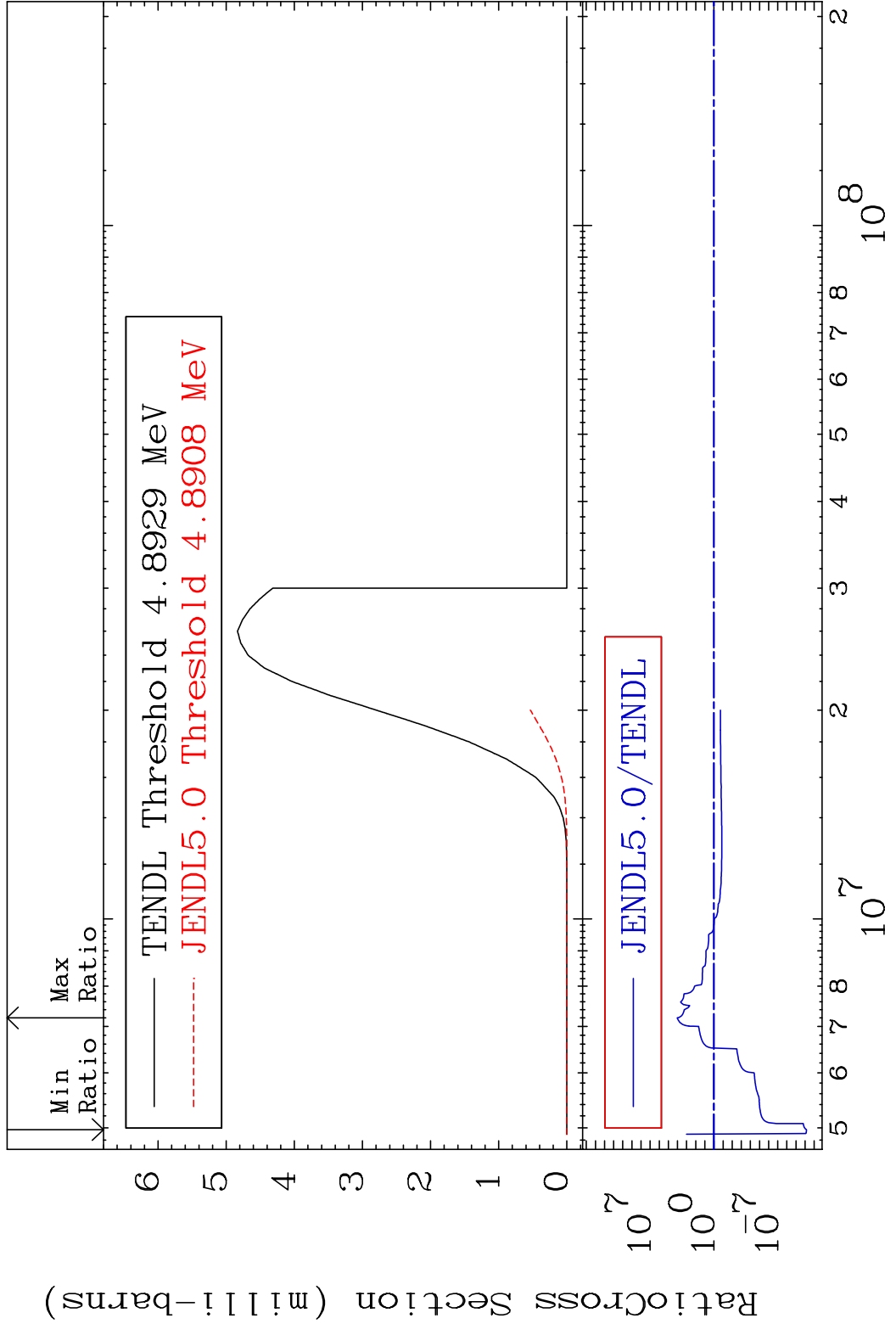


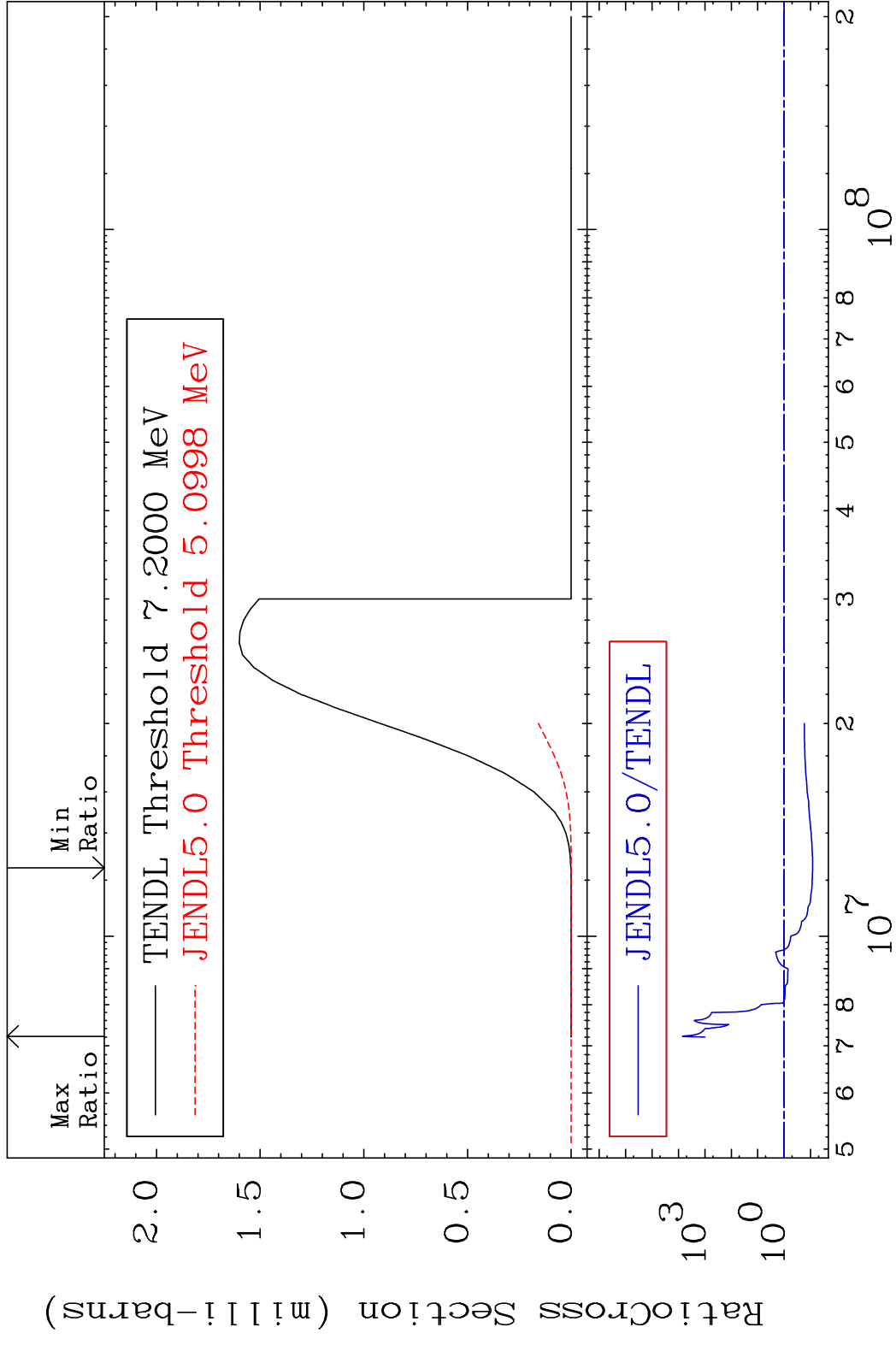












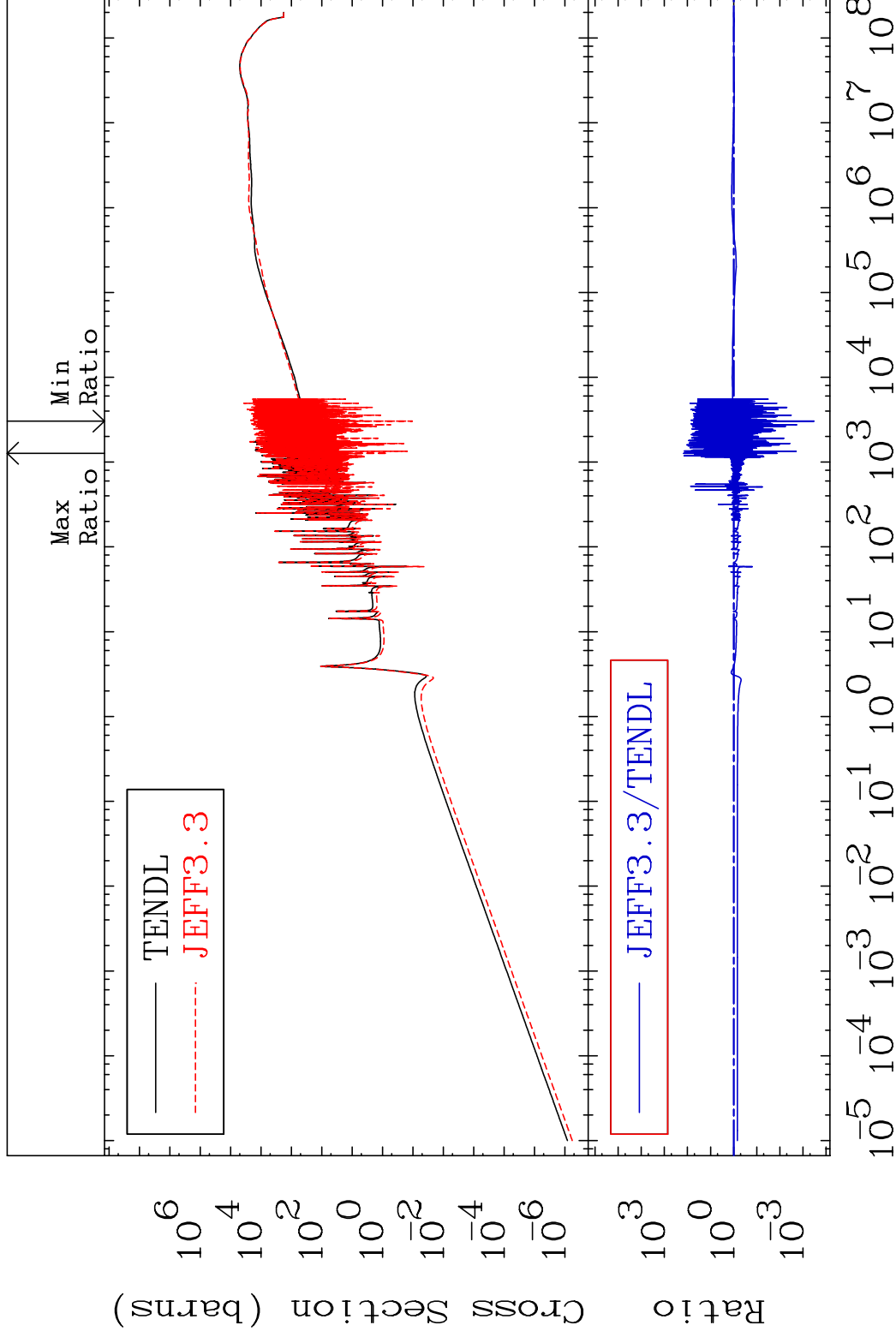
MAT 6925

Kerma elastic

69-Tm-169

Cross Section

-99.97 To 9999. %

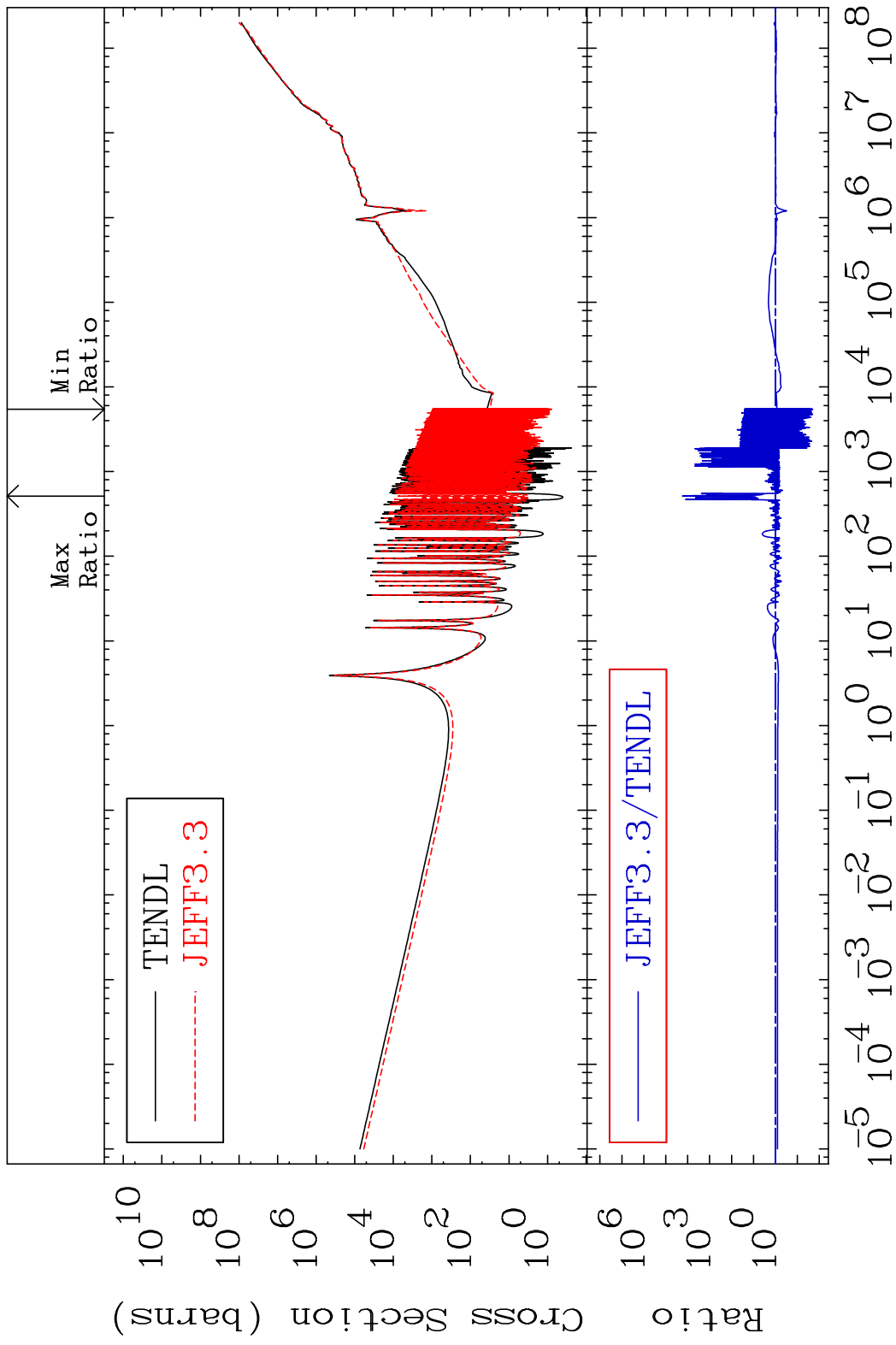


68

Incident Energy (eV)

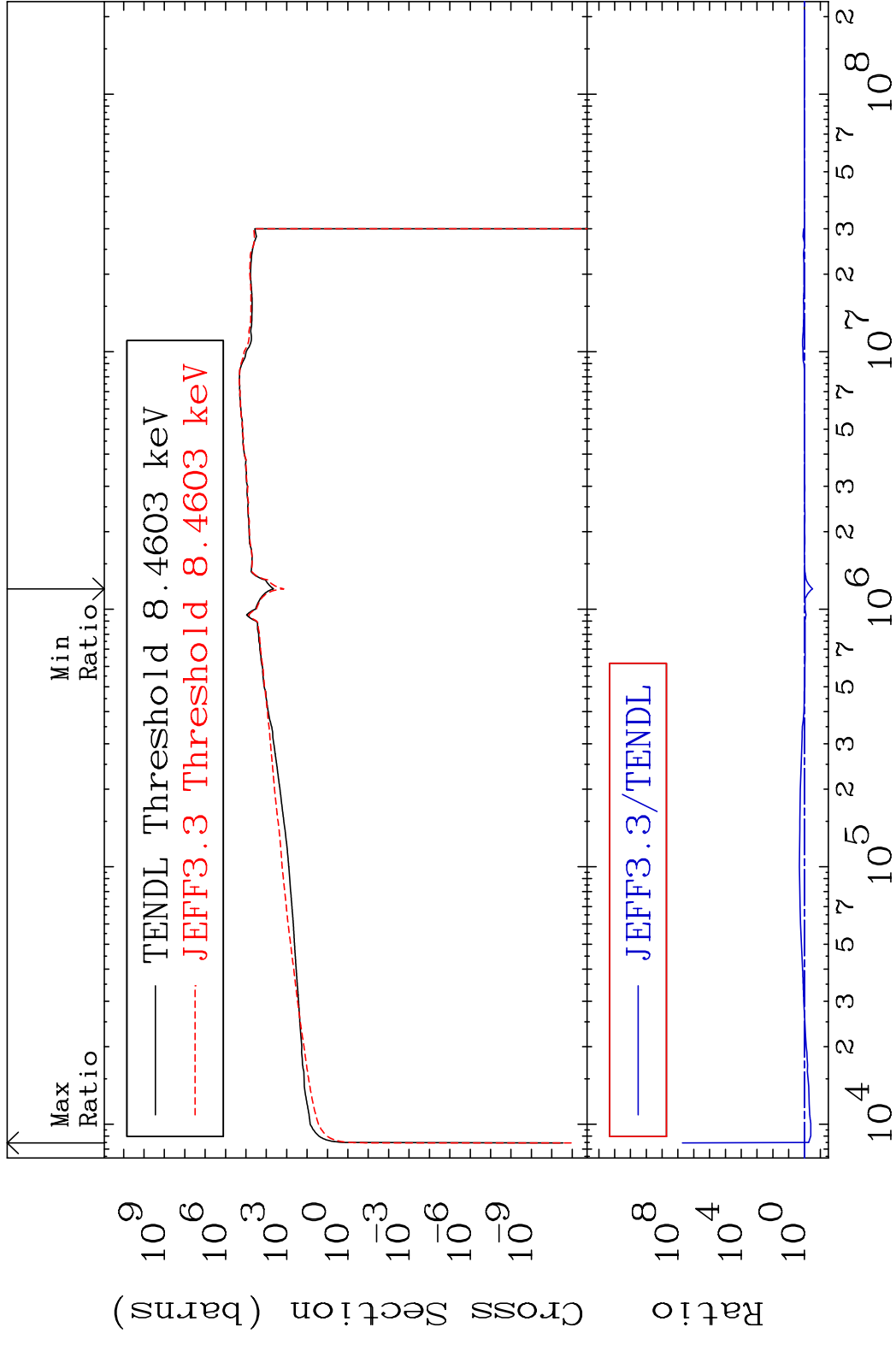
69-Tm-169

MAT 6925 Kerma non-elastic (all but mt2) 69-Tm-169
 Cross Section -97.97 To 9999. %



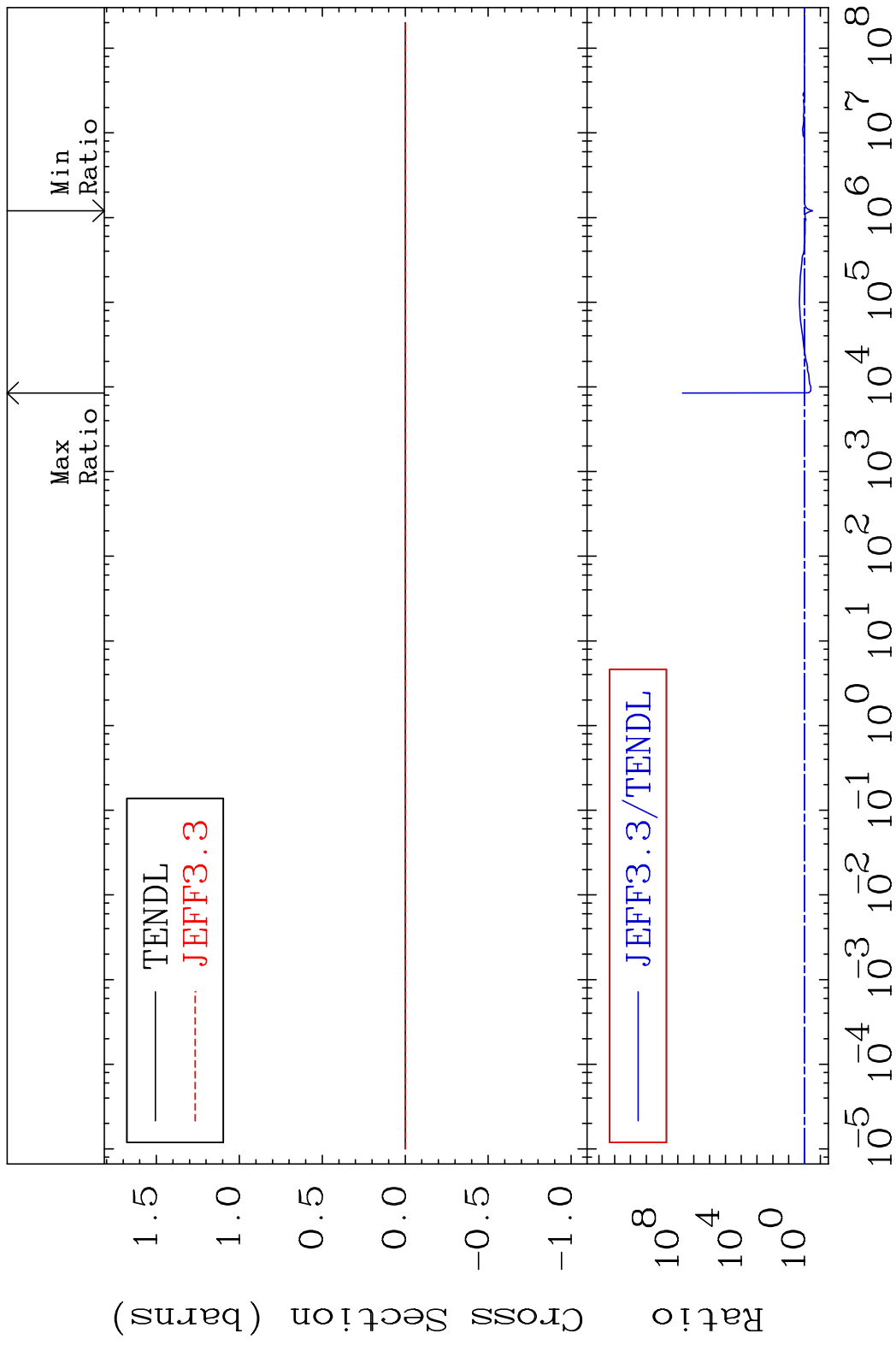
69 Incident Energy (eV) 69-Tm-169

MAT 6925 Kerma inelastic (mt51-91) 69-Tm-169
 Cross Section -69.11 To 9999. %



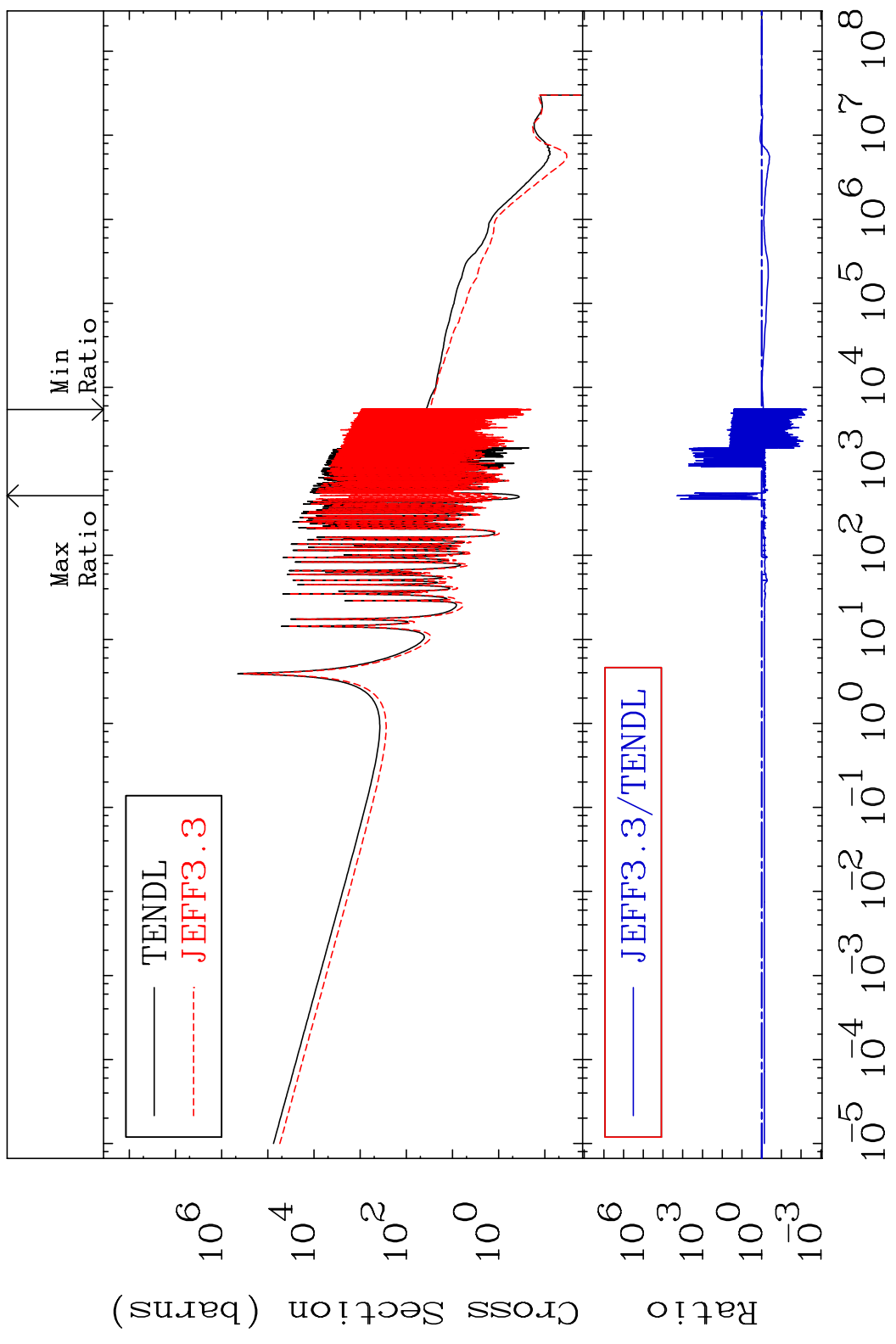
70 Incident Energy (eV) 69-Tm-169

MAT 6925 Kerma fission (mt18 or mt19-20-21-38) 69-Tm-169
 Cross Section -69.11 To 9999. %



MAT 6925

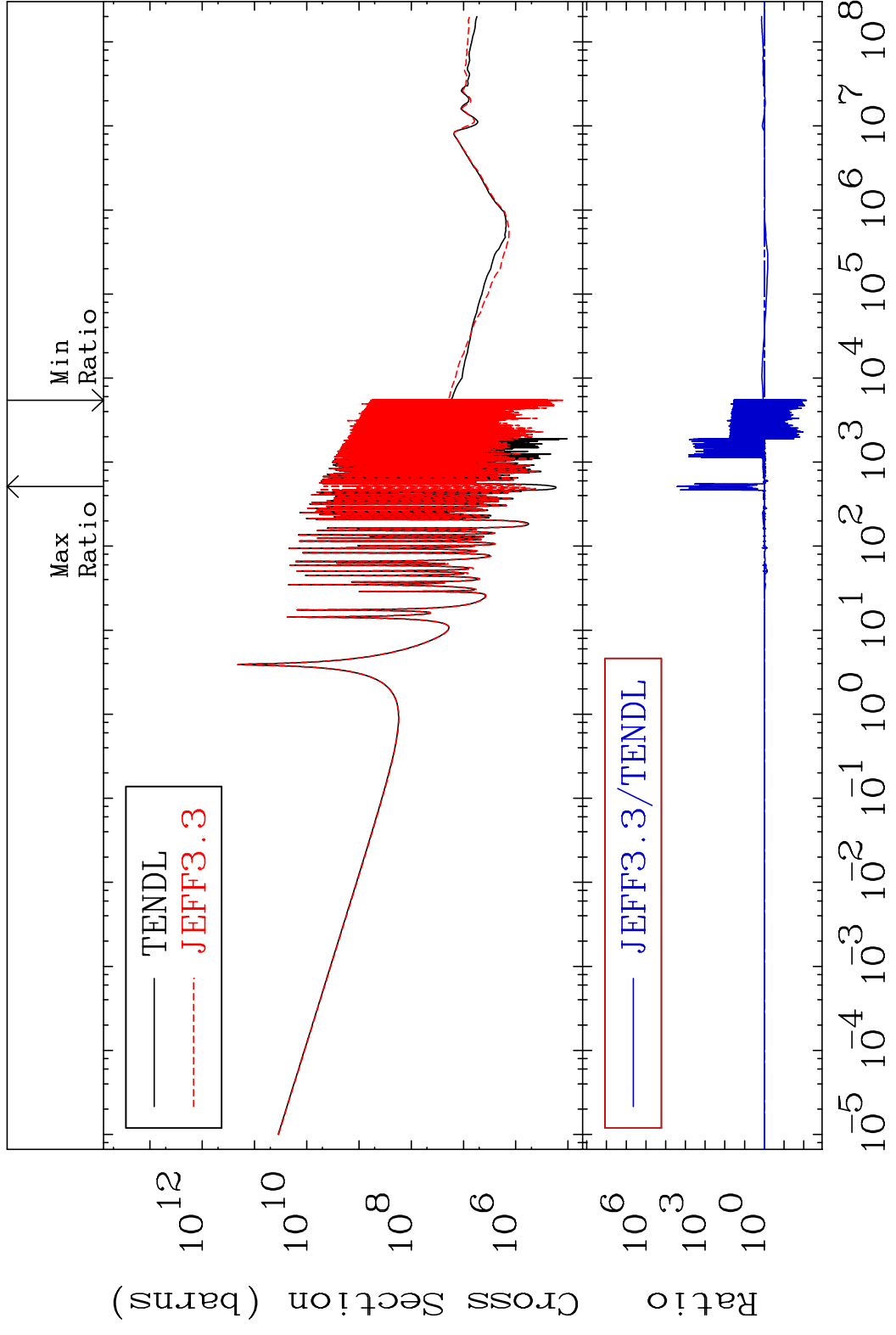
Kerma capture (mt102) 69-Tm-169
Cross Section -99.46 To 9999. %



72

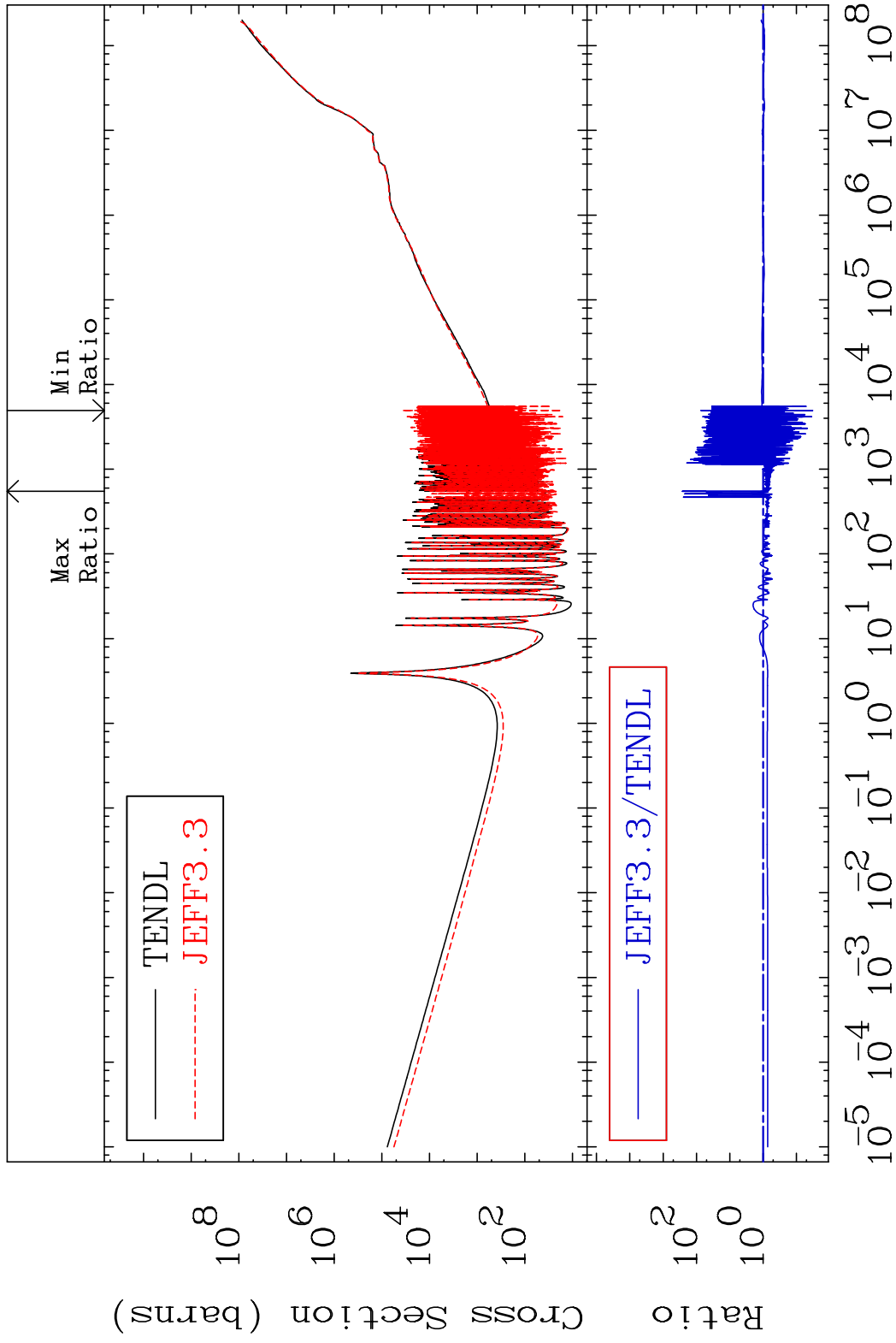
Incident Energy (eV) 69-Tm-169

MAT 6925 Total photon (eV-barns) 69-Tm-169
 Cross Section -99.27 To 9999. %



73 Incident Energy (eV) 69-Tm-169

MAT 6925 Total kinematic kerma (high limit) 69-Tm-169
 Cross Section -96.70 To 9999. %

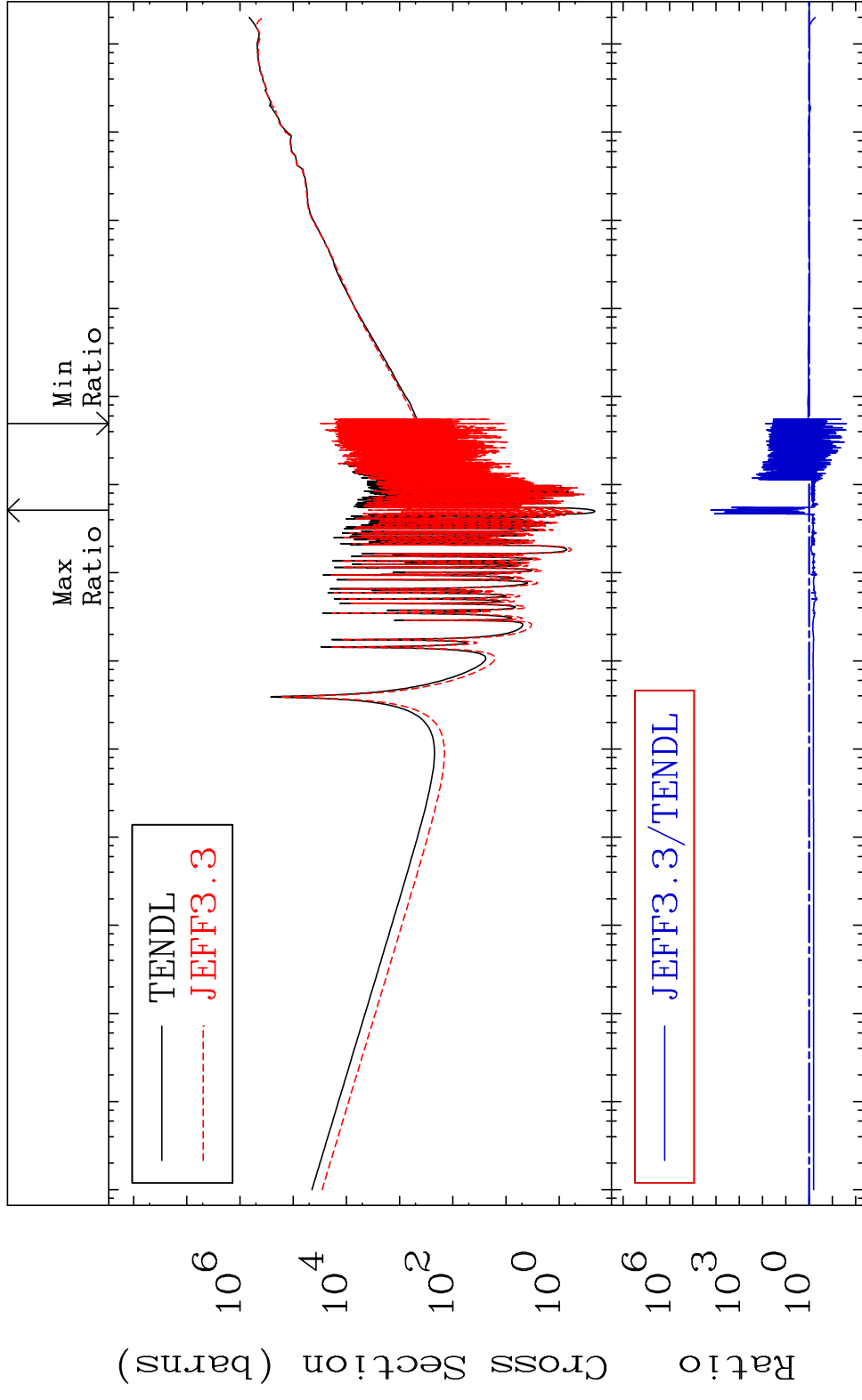


MAT 6925

Dpa total (eV-barns)

69-Tm-169

Cross Section -97.50 To 9999. %



75

Incident Energy (eV)

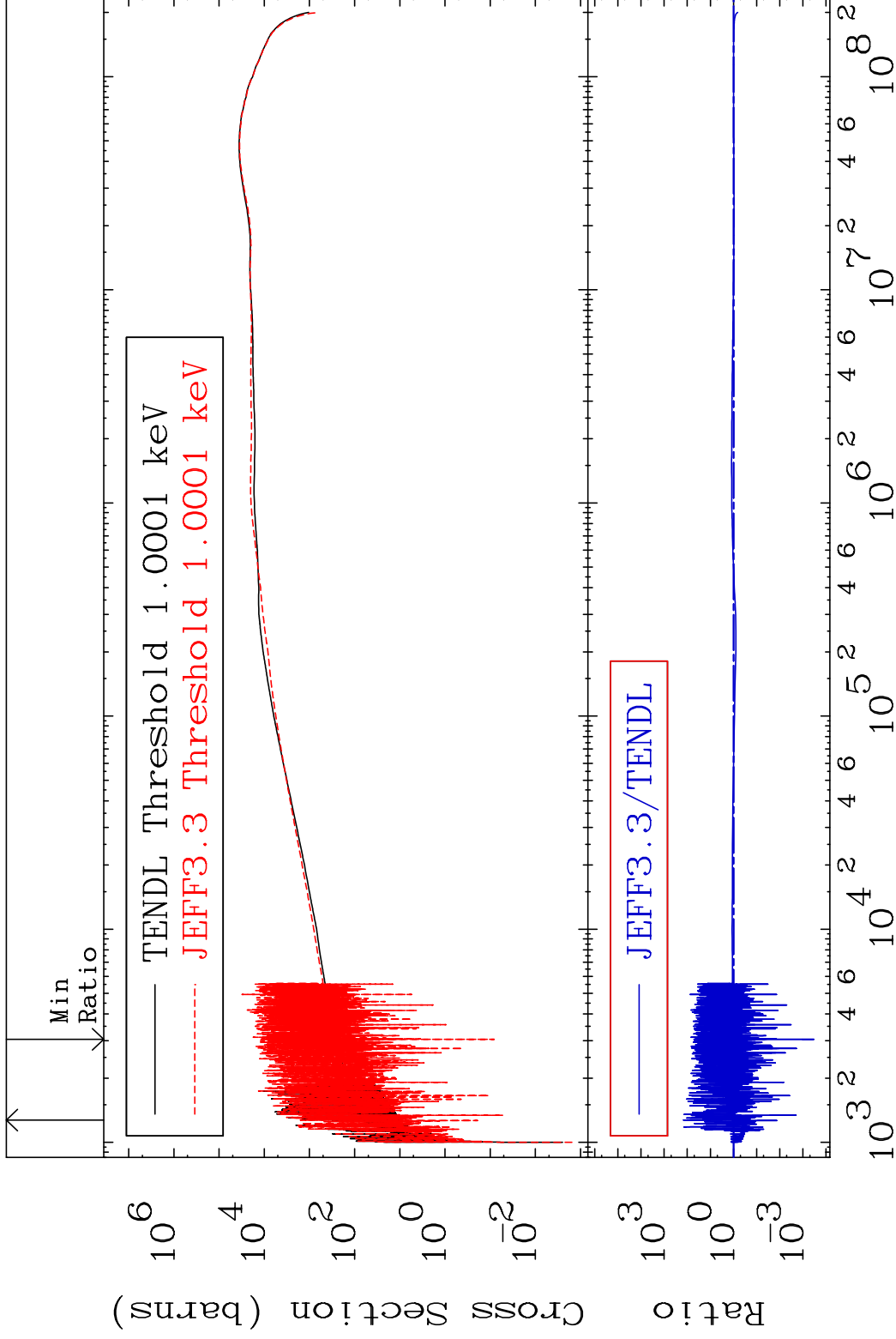
69-Tm-169

MAT 6925

Dpa elastic (mt2)

69-Tm-169

Cross Section -99.97 To 9999. %

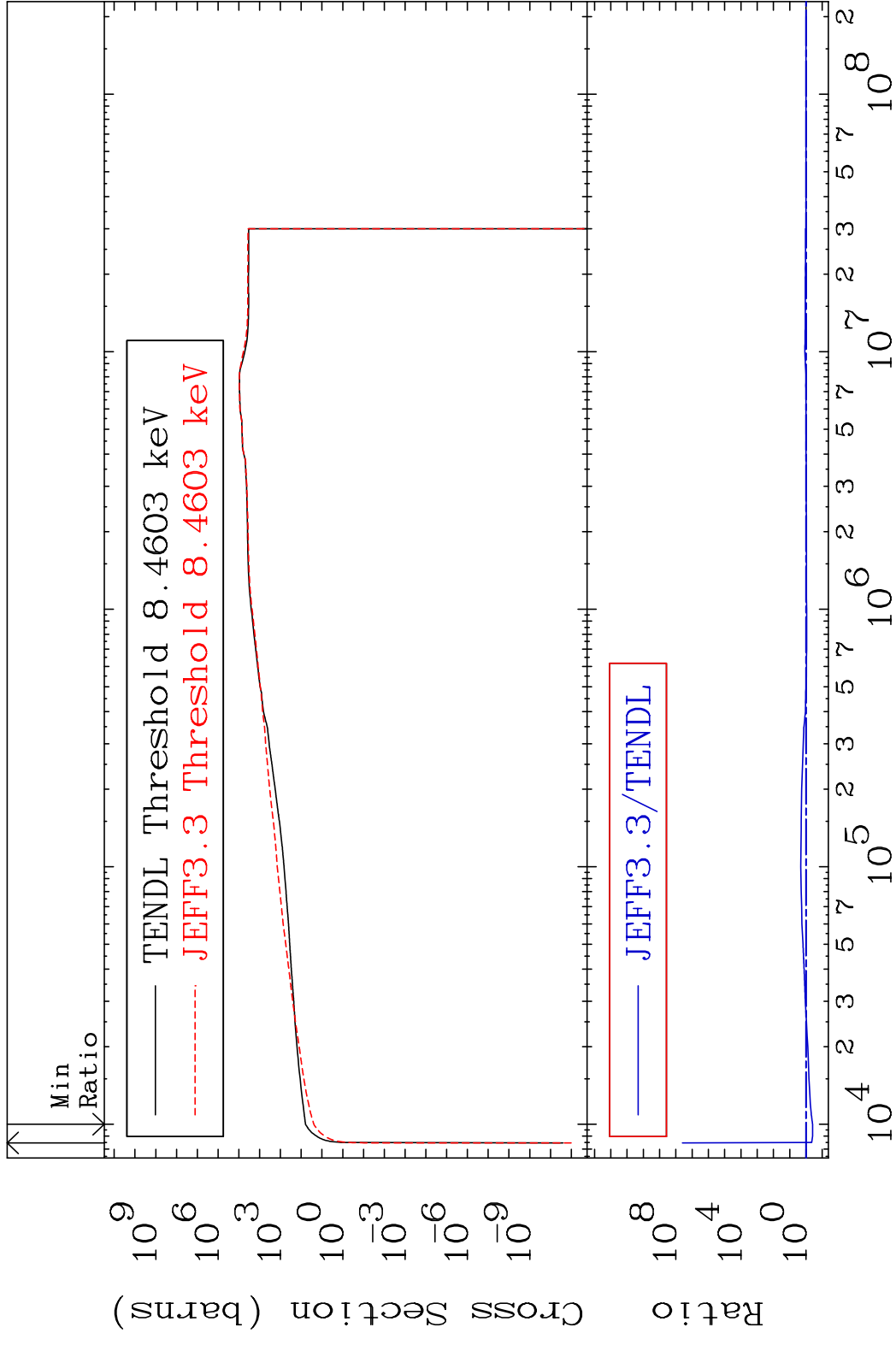


76

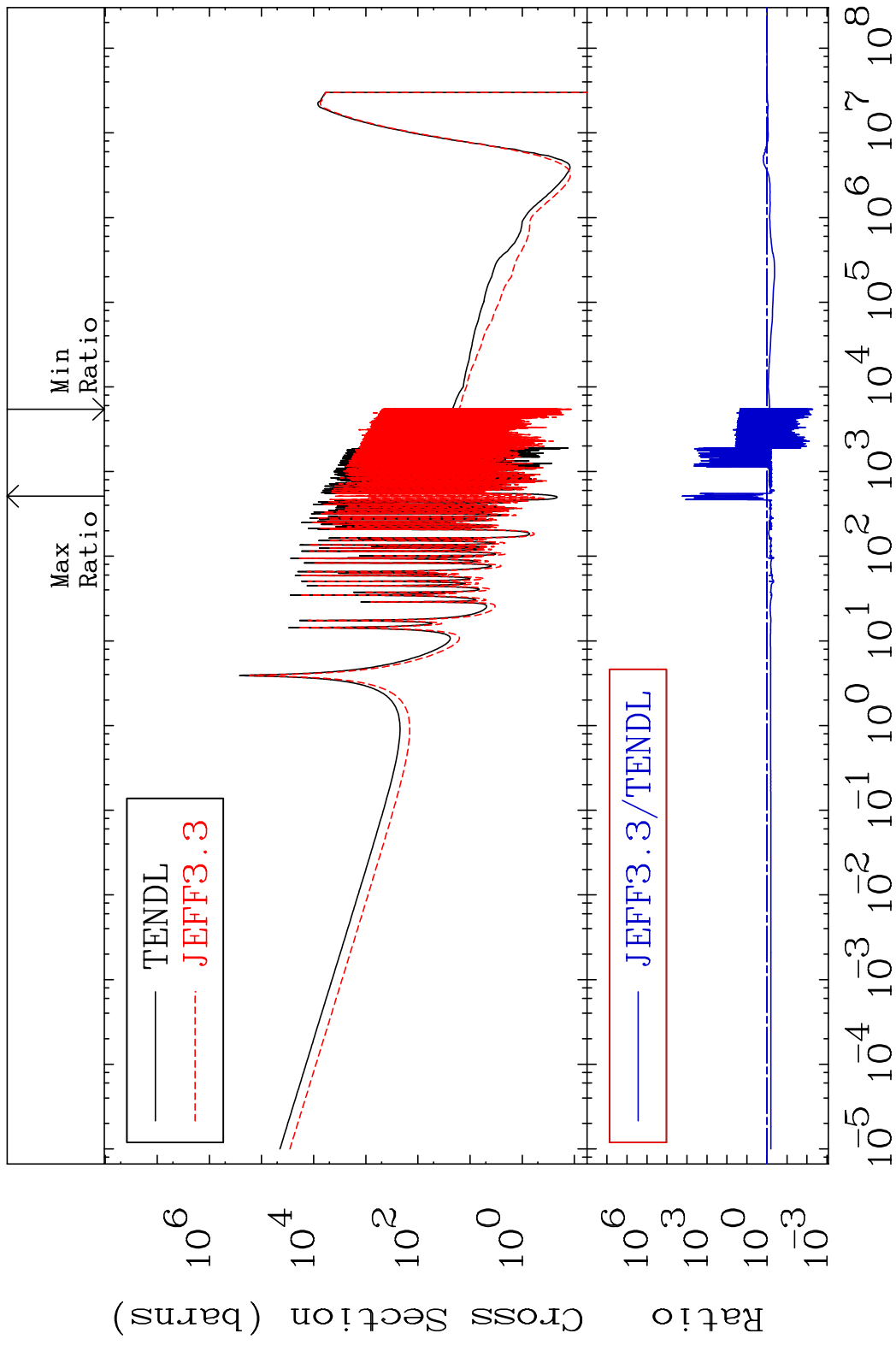
Incident Energy (eV)

69-Tm-169

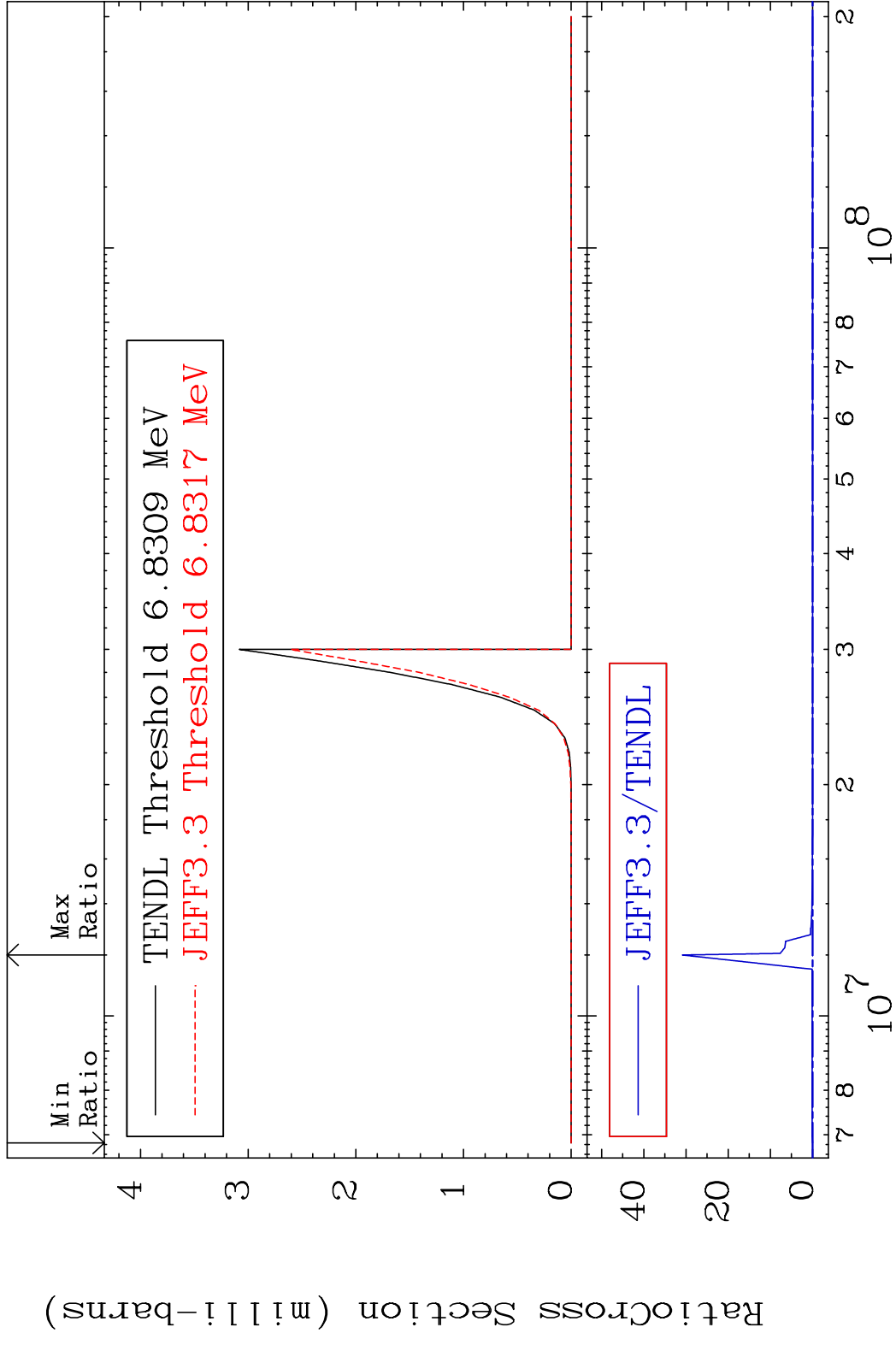
MAT 6925 Dpa inelastic (mt51-91) 69-Tm-169
 Cross Section -60.34 To 9999. %



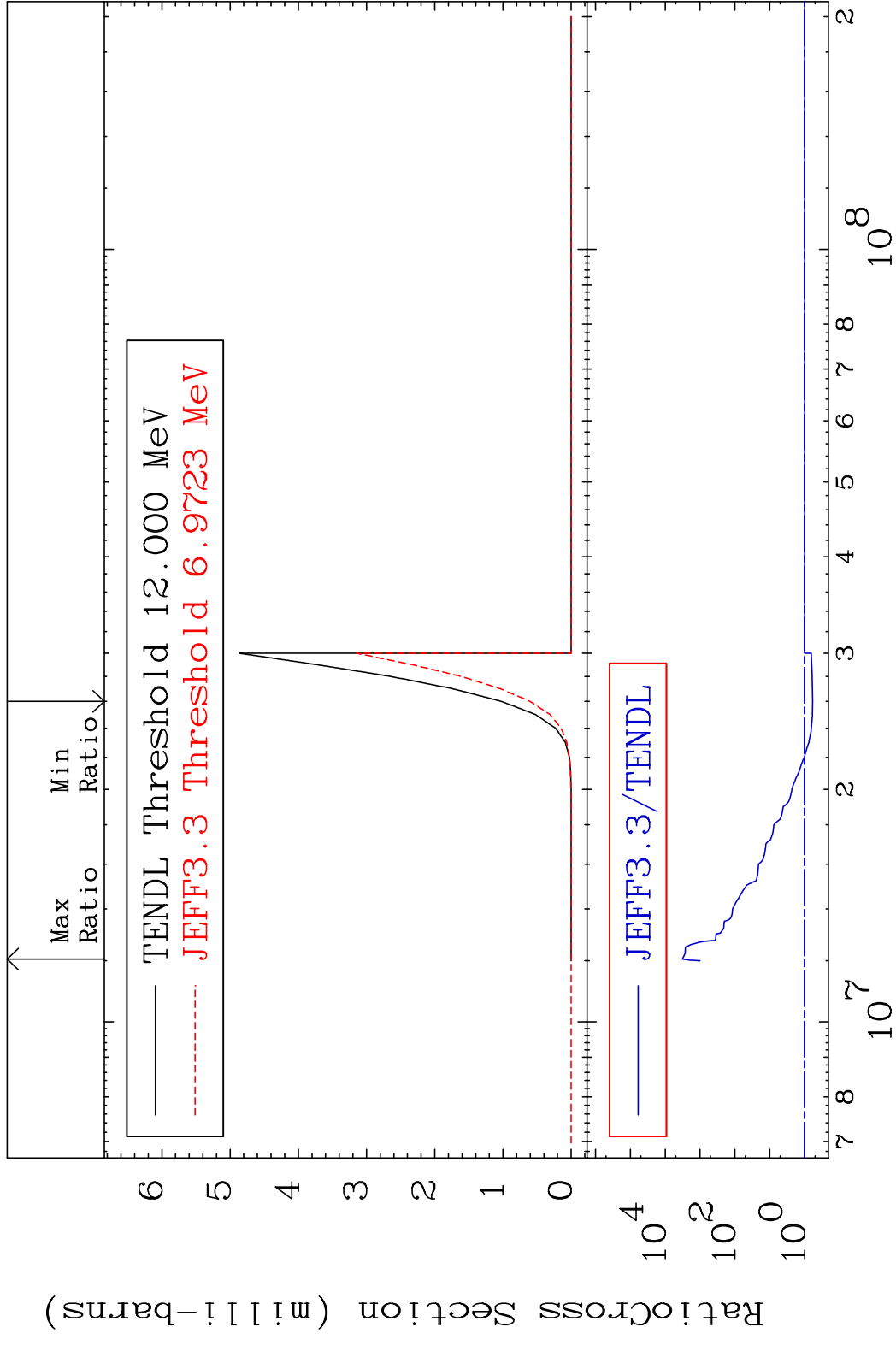
MAT 6925 Dpa disappearance (mt102 -120) 69-Tm-169
 Cross Section -99.47 To 9999. %

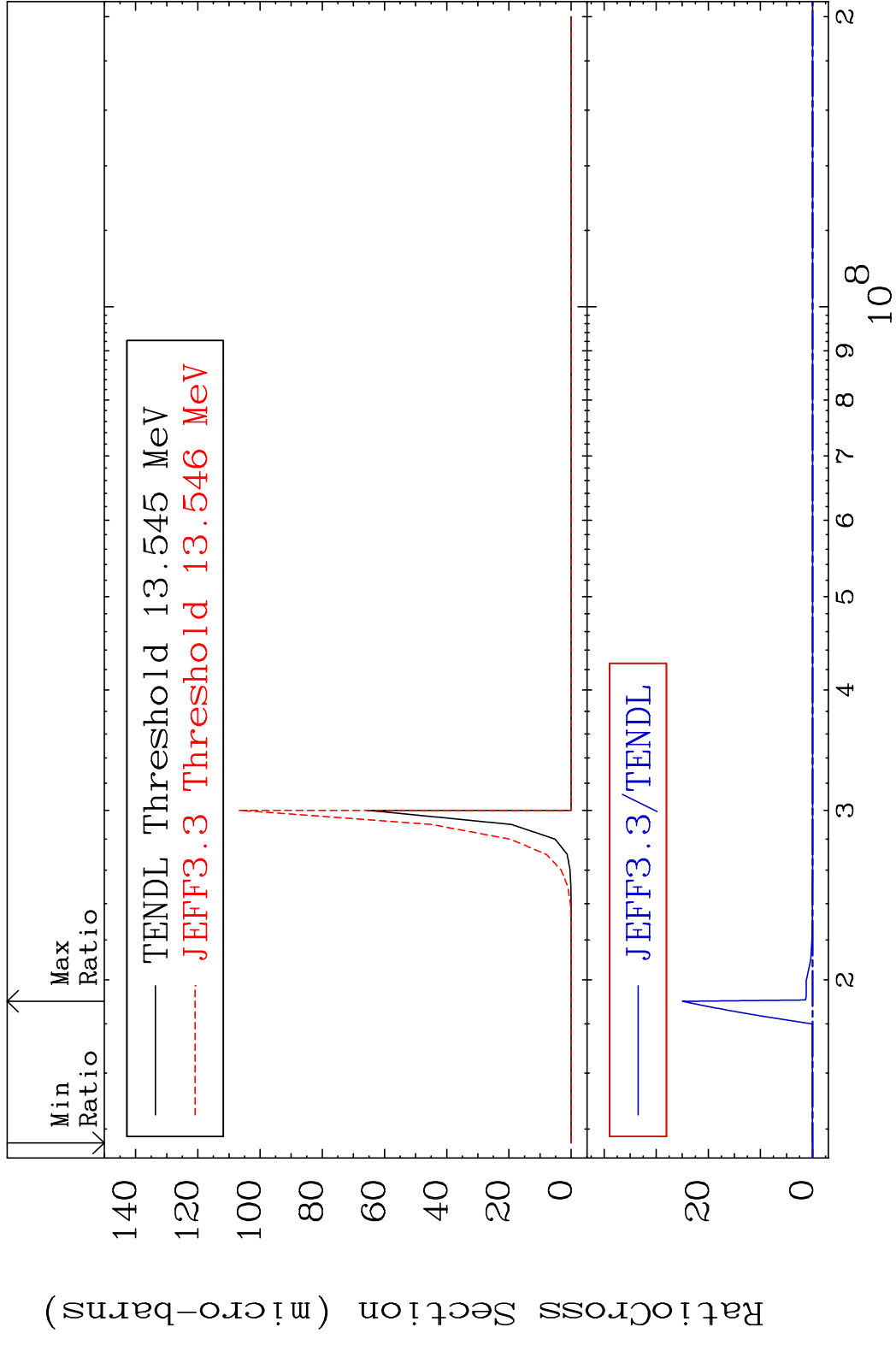


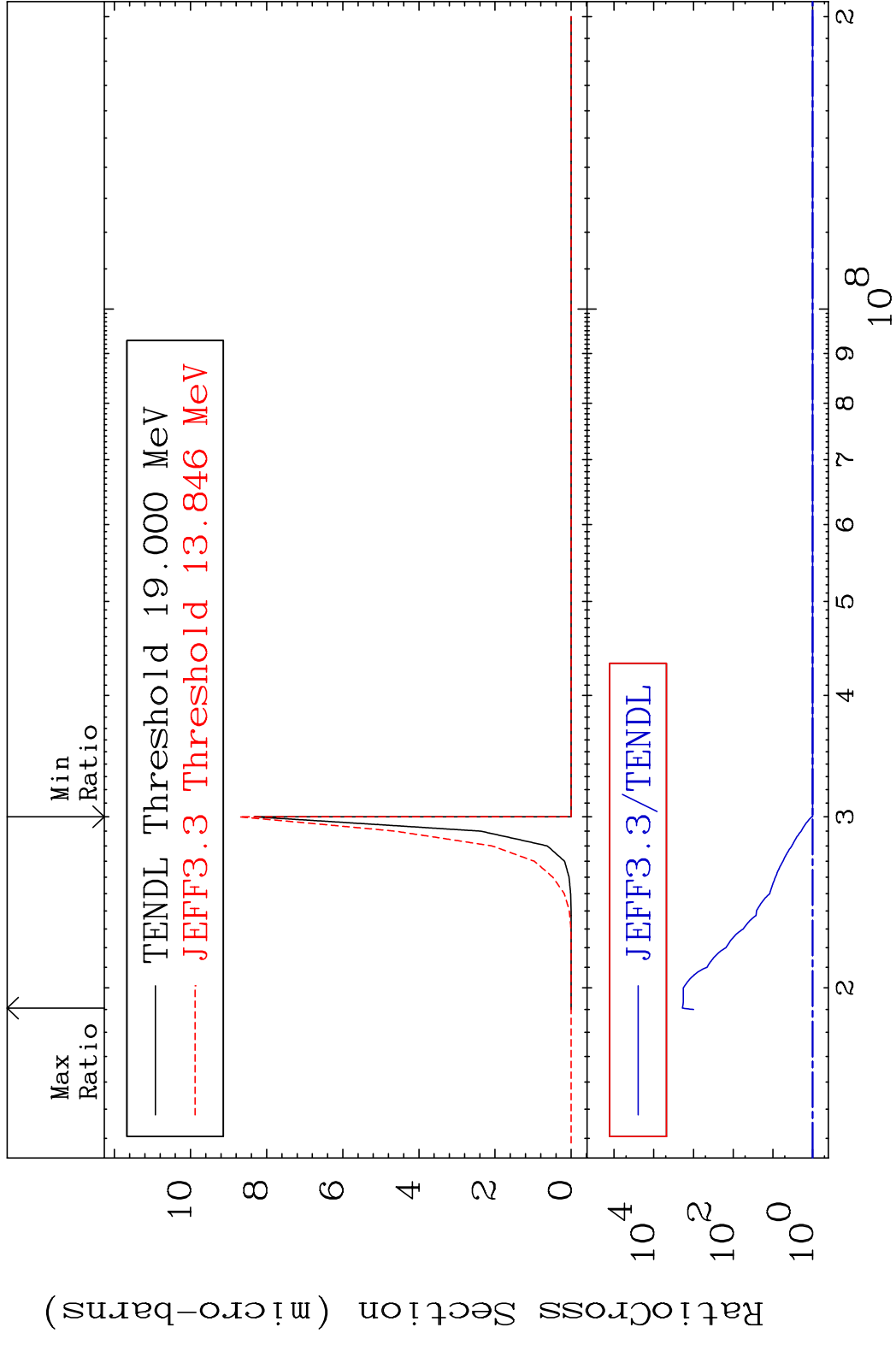
MAT 6925 (n,2n) α :67-Ho-164g 69-Tm-169
 Radionuclide Production Cross Section to 9999. %

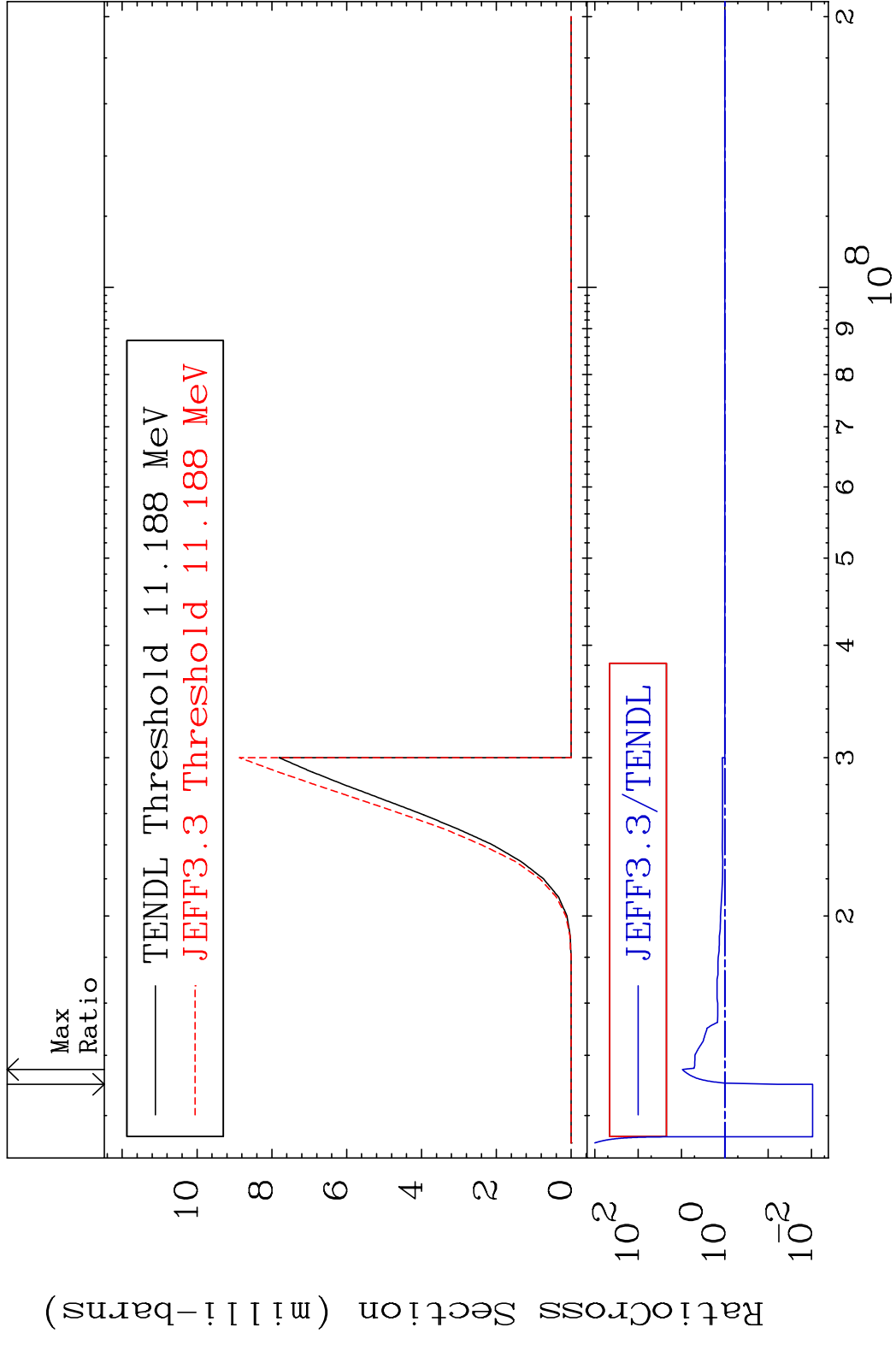


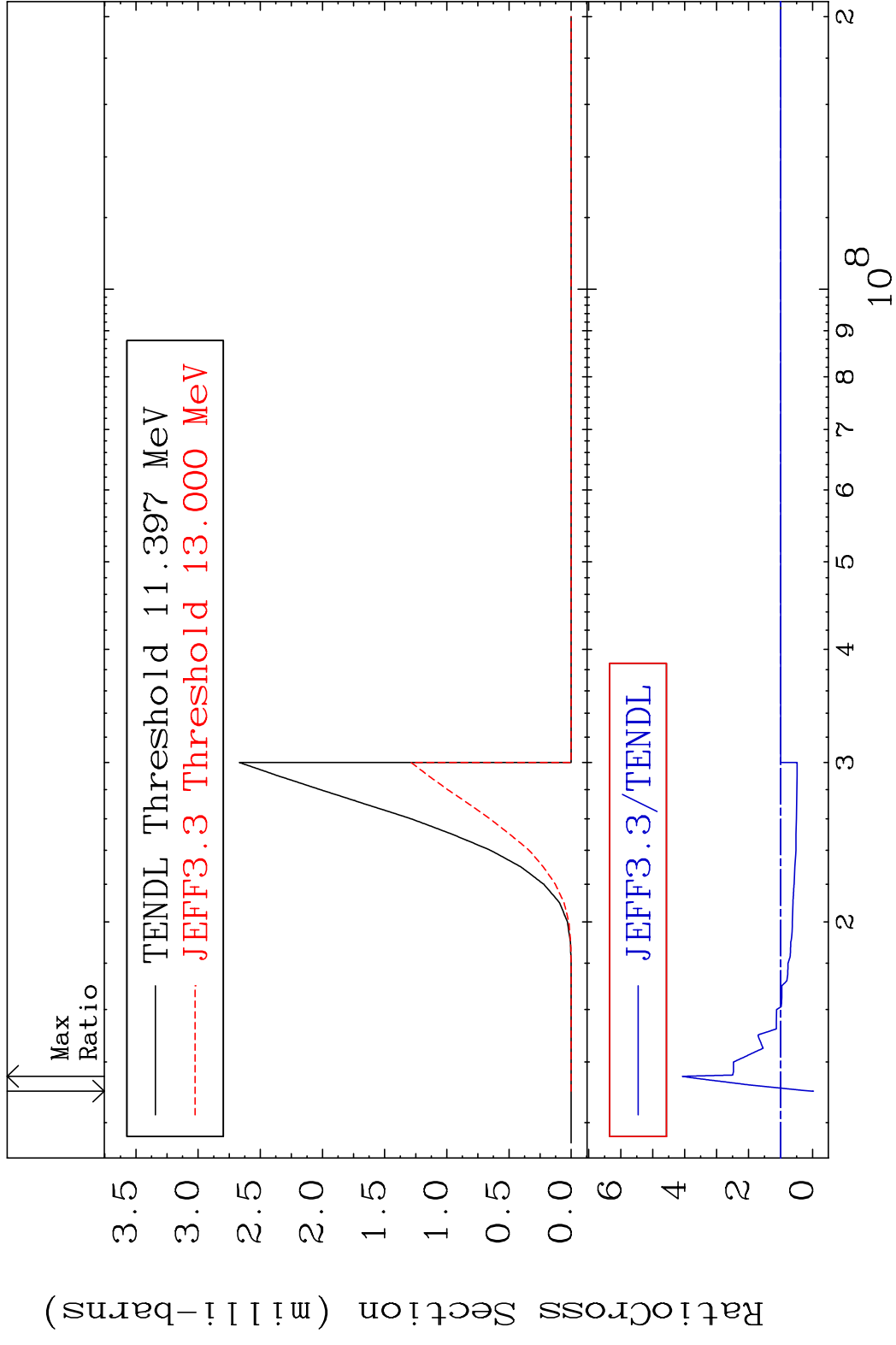
MAT 6925 (n,2n) α :67-Ho-164m3 69-Tm-169
 Radionuclide Production Cross Section to 9999. %

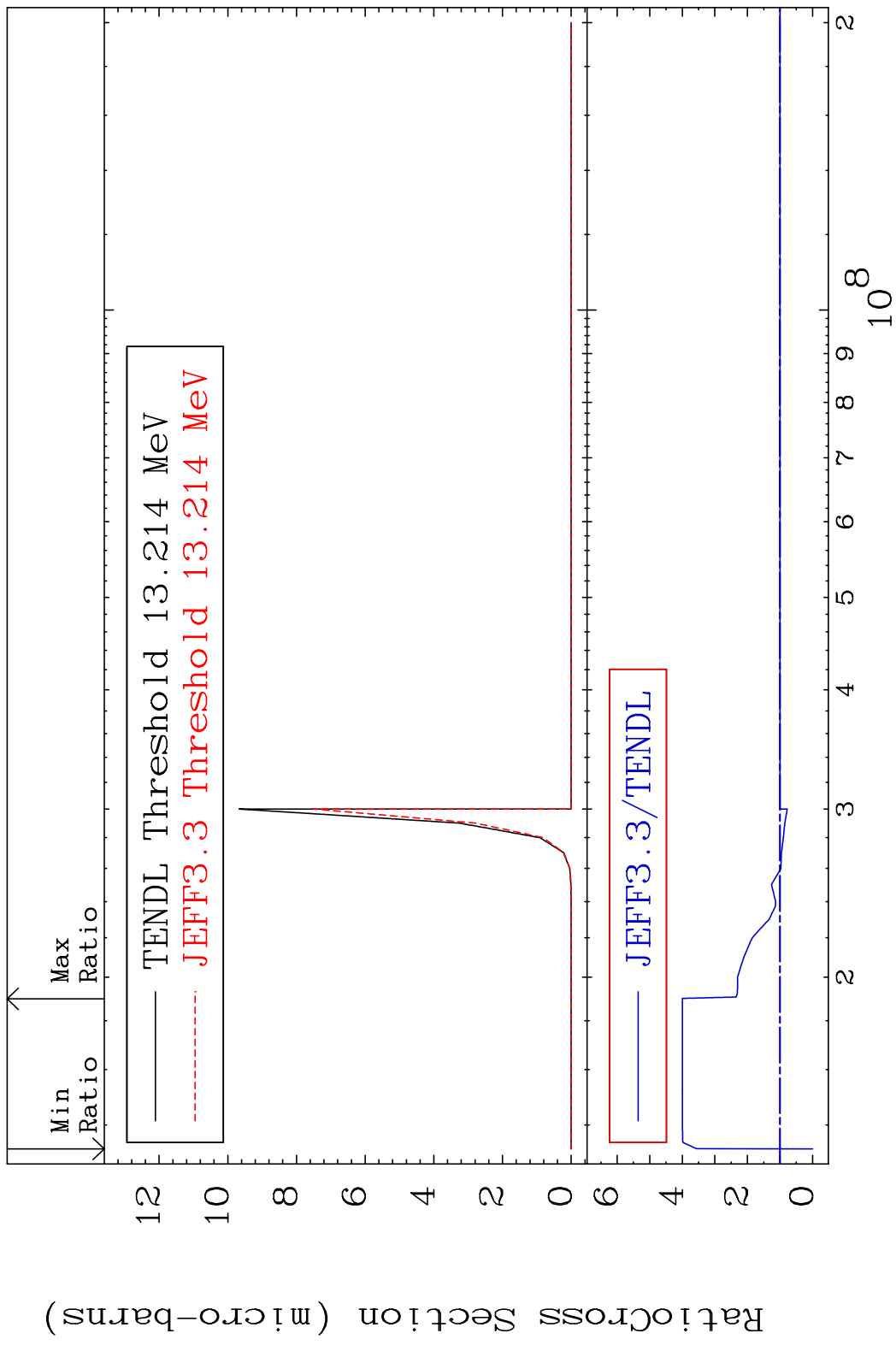


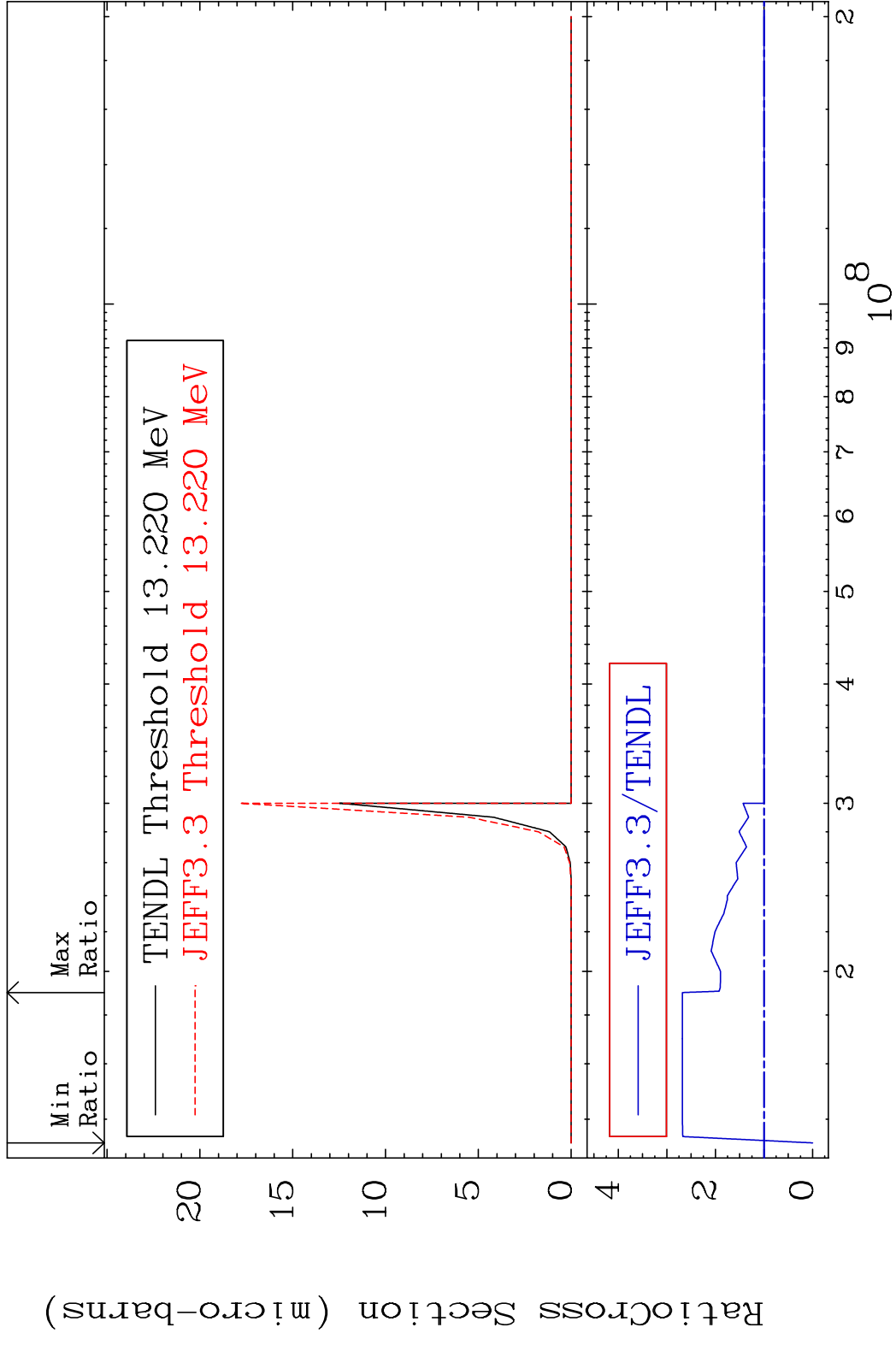


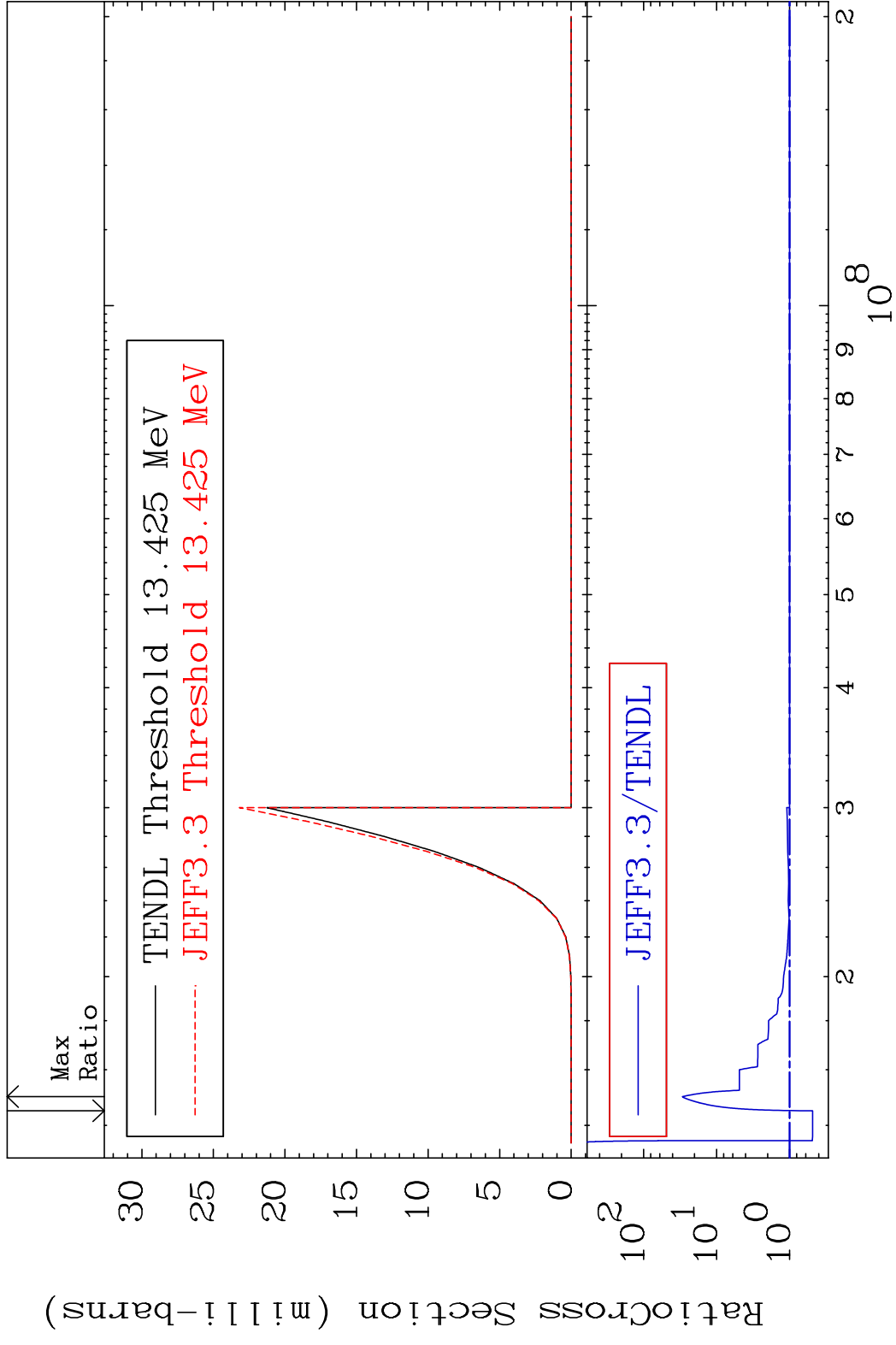


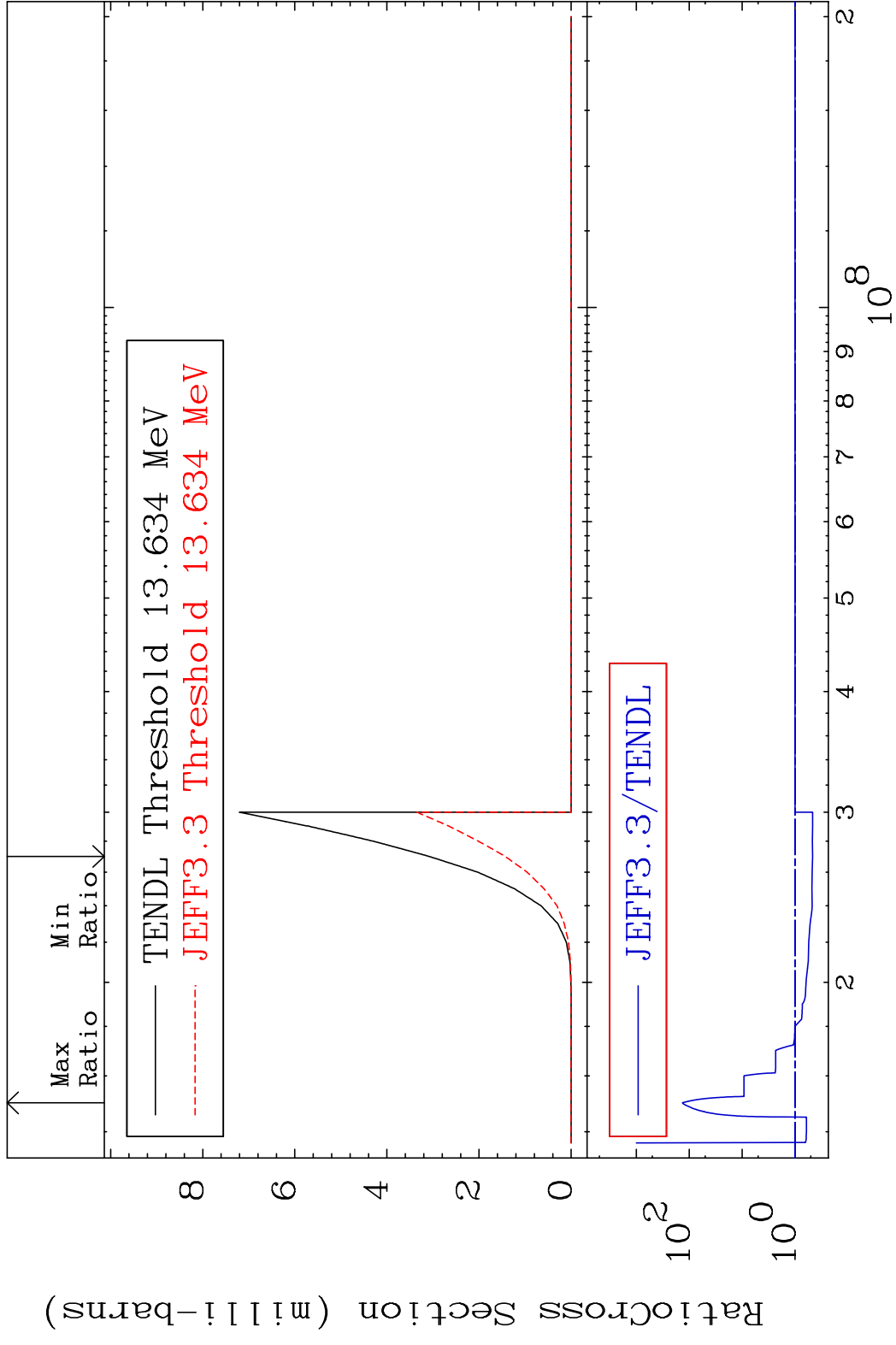




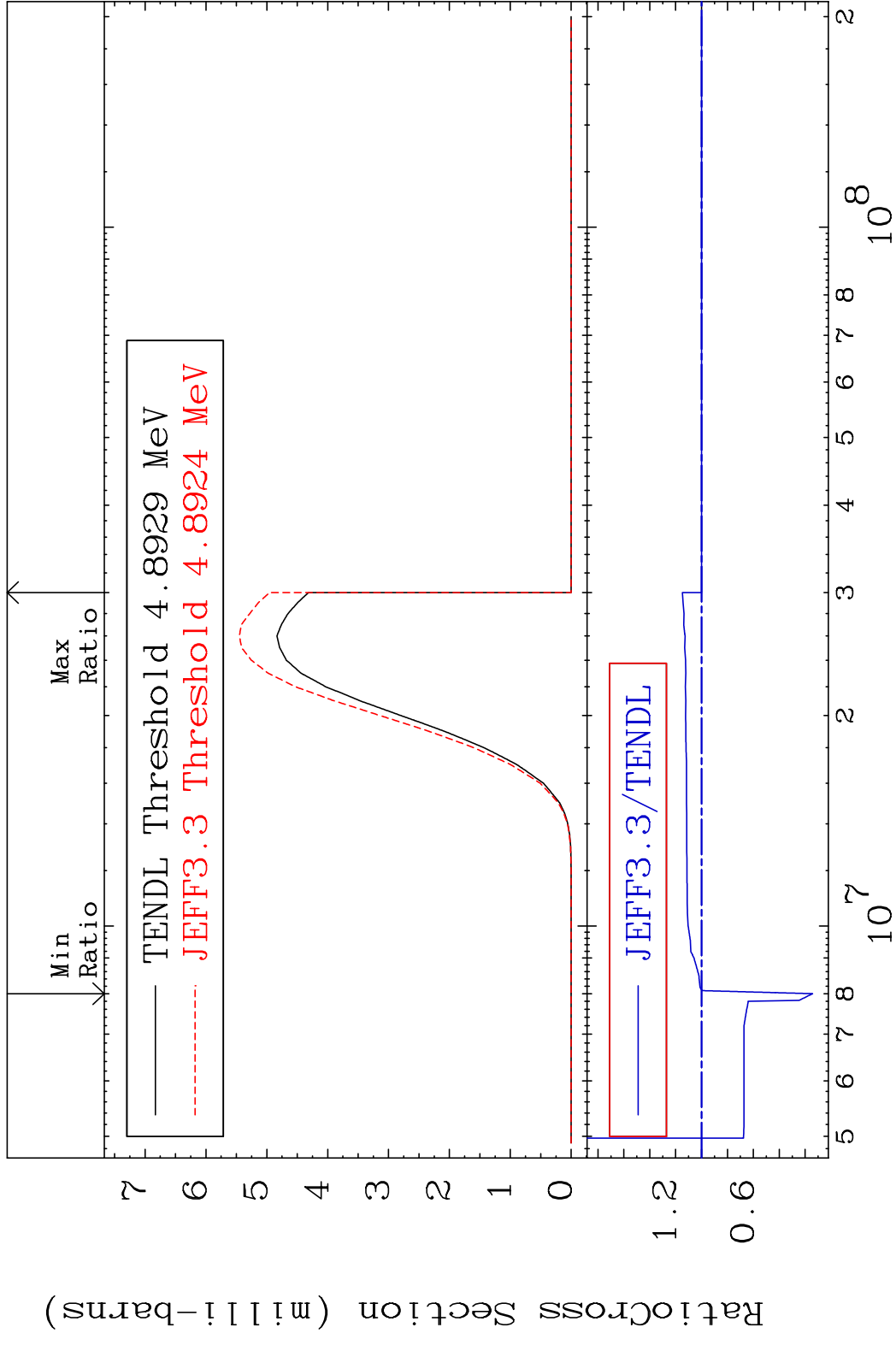




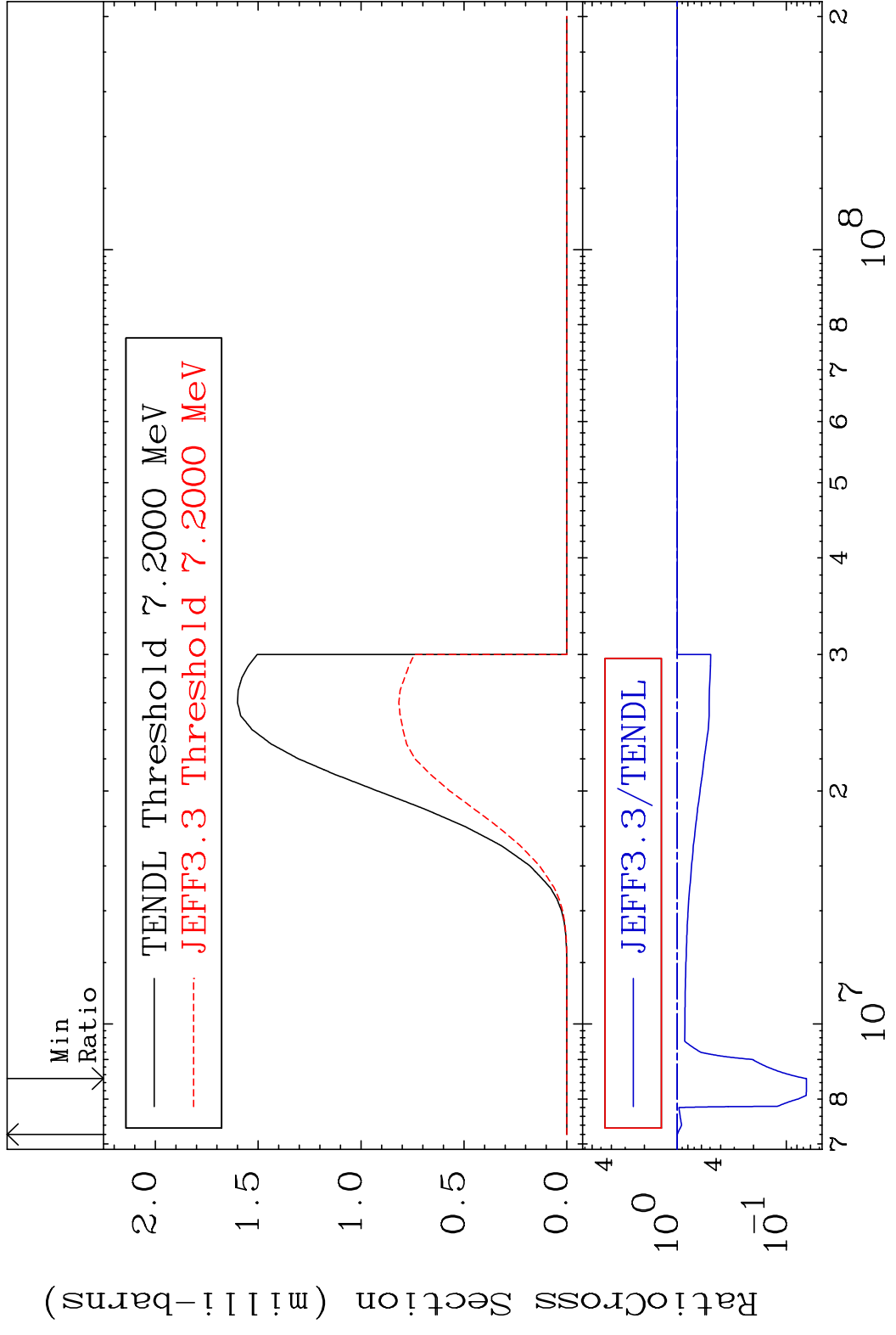




MAT 6925 (n, t):68-Er-167g 69-Tm-169
 Radionuclide Production Cross Section 14.83 %



MAT 6925 (n, t): 68-Er-167m3 69-Tm-169
 Radionuclide Production Cross Section 0.000 %



90 Incident Energy (eV) 69-Tm-169

