

Program Complot
(Version 2018-1)

by

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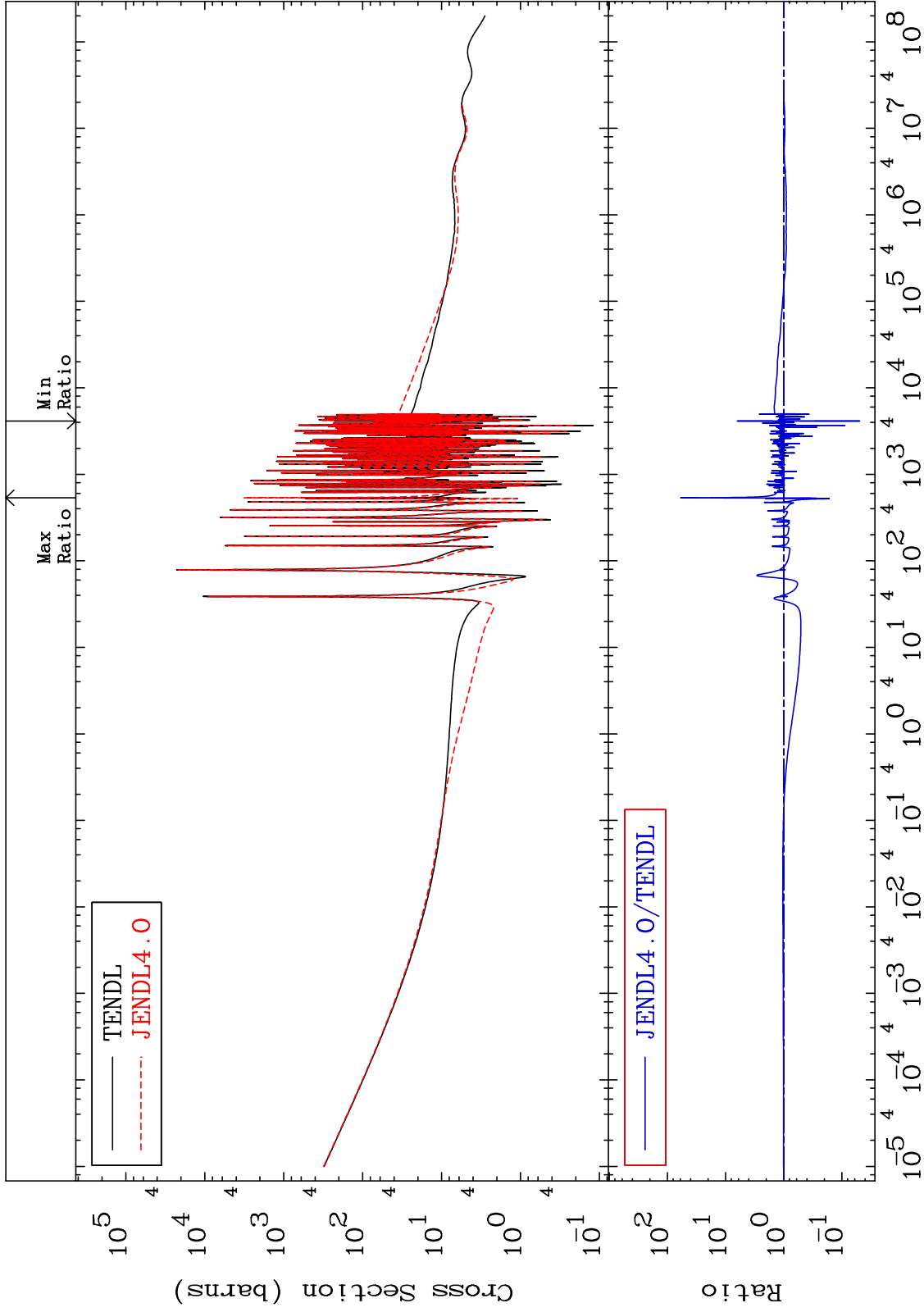
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7637

Total
Cross Section

76-0s-188
-95.04 To 5785. %



1

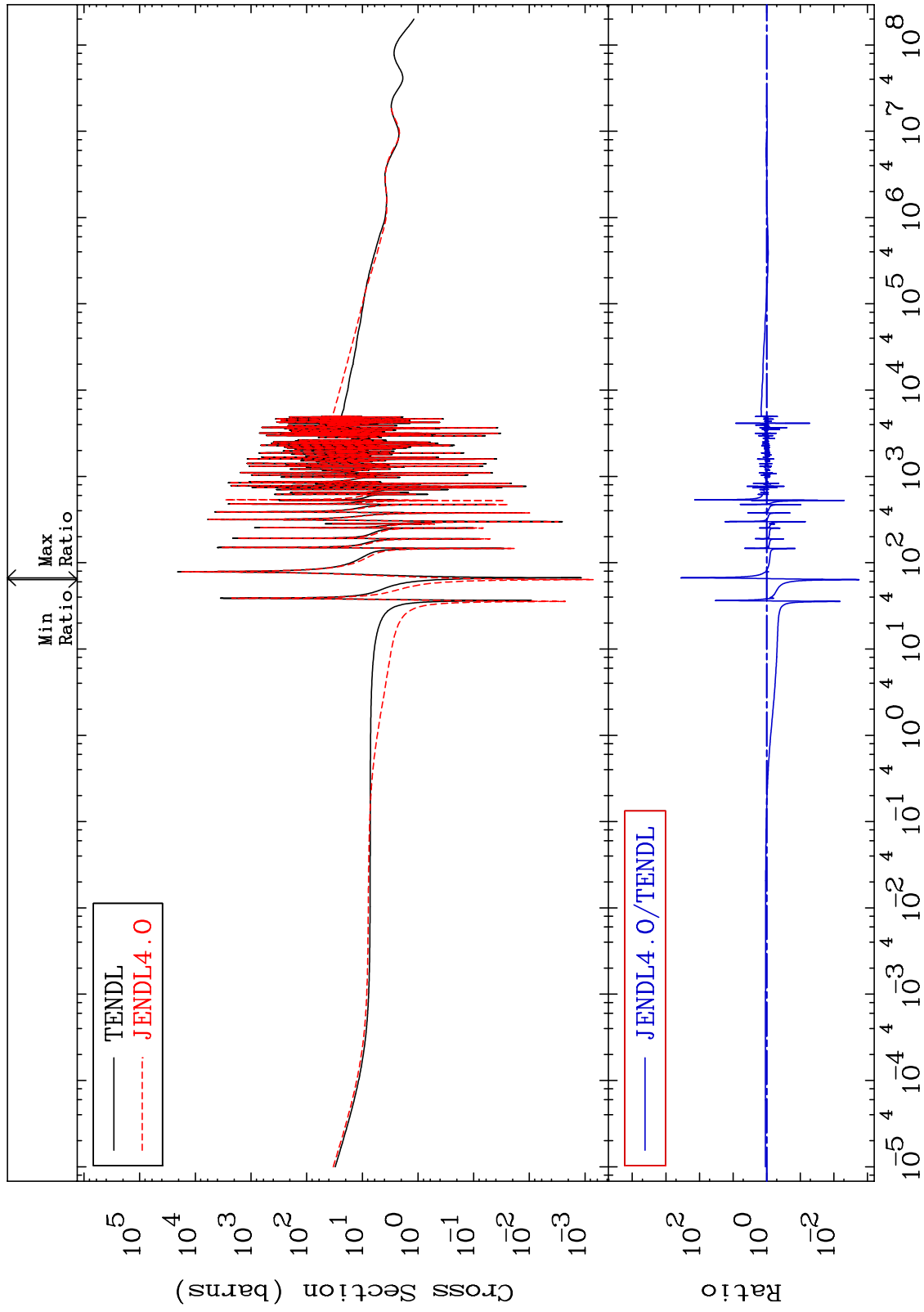
Incident Energy (eV)

76-0s-188

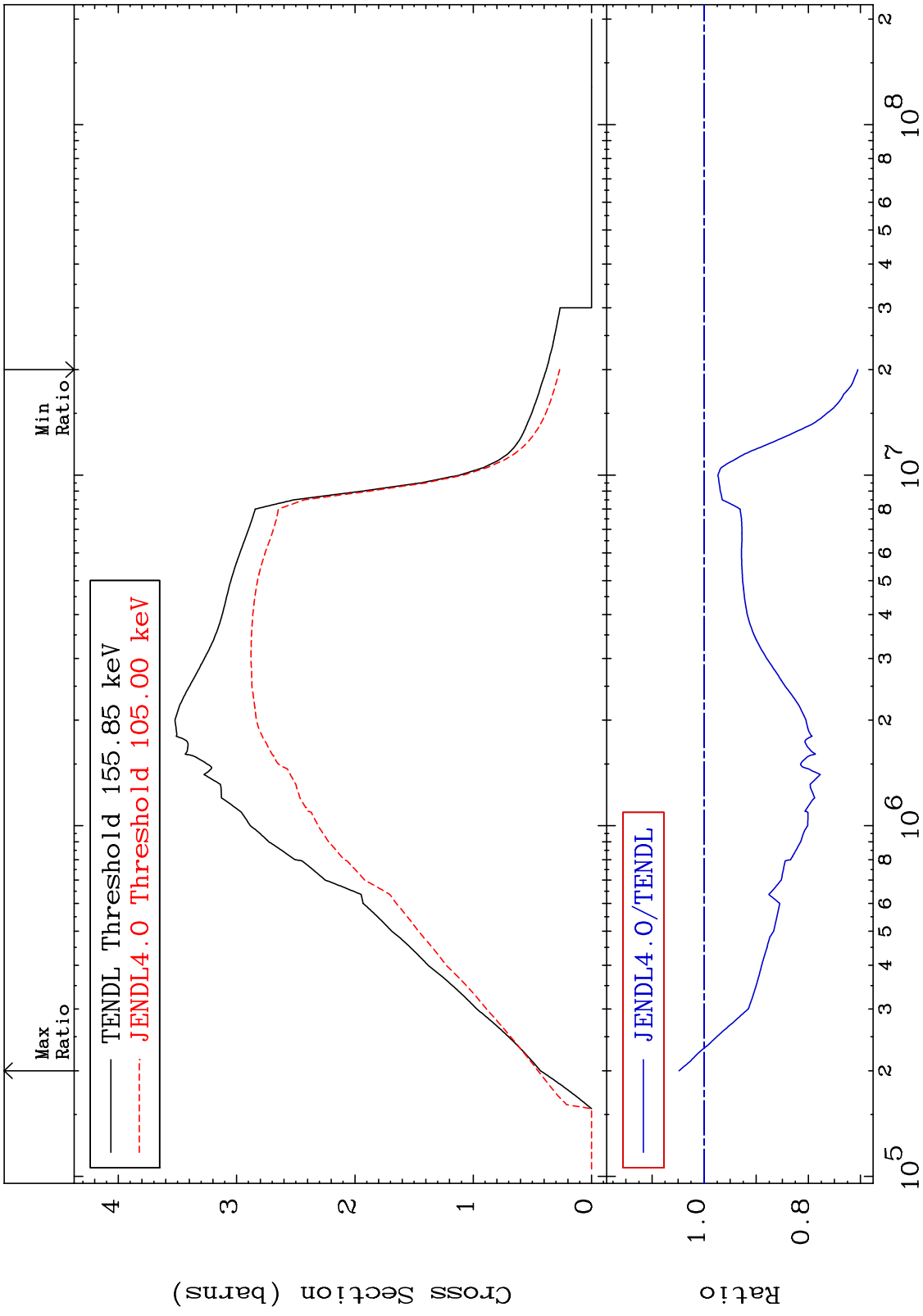
MAT 7637

Elastic
Cross Section

76-Os-188
-99.82 To 9999. %



MAT 7637 Inelastic Cross Section 76-0s-188 -29.49 To 4.809 %



76-0s-188

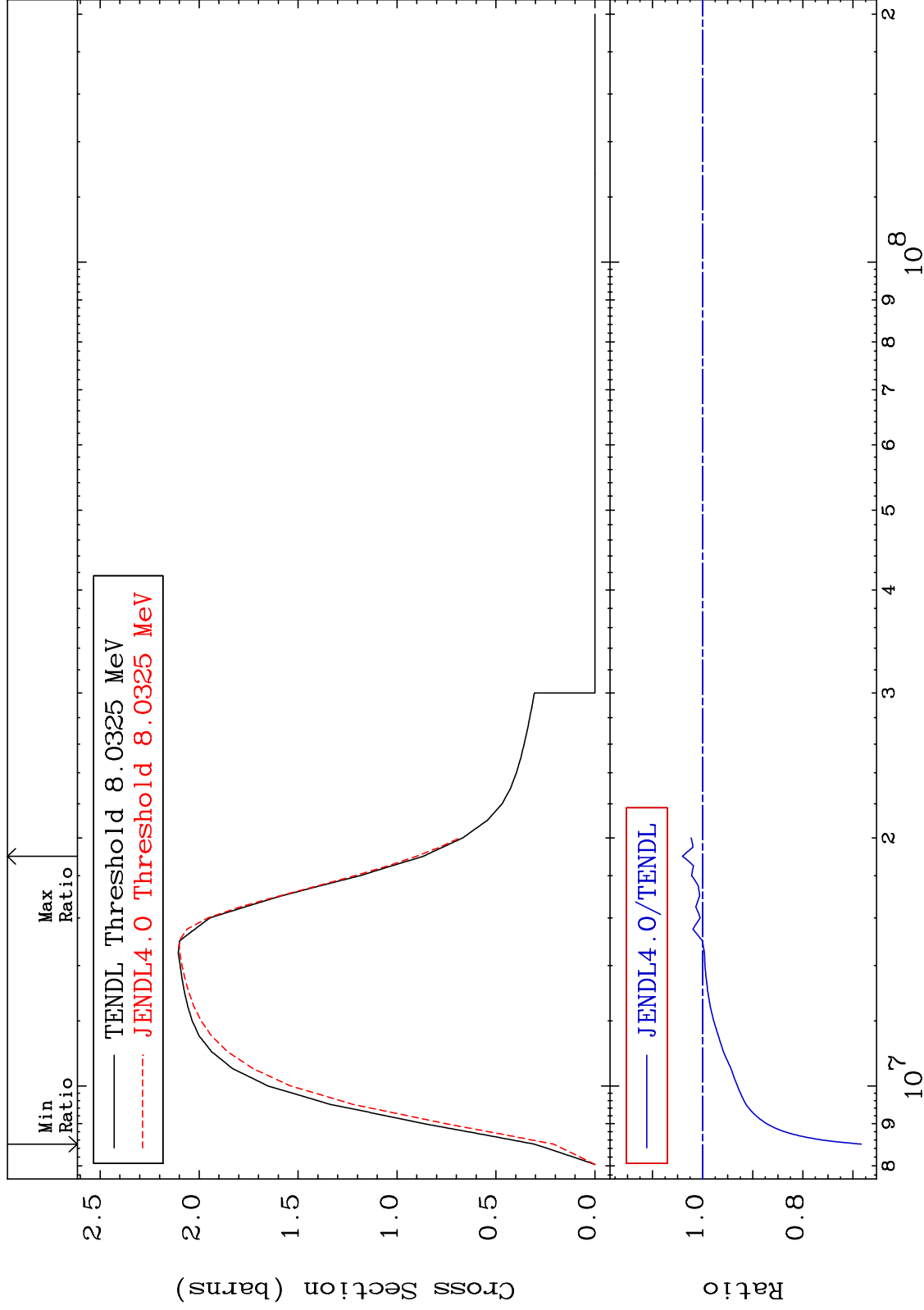
MAT 7637

(n,2n)

76-0s-188

-31.65 To 4.030 %

Cross Section

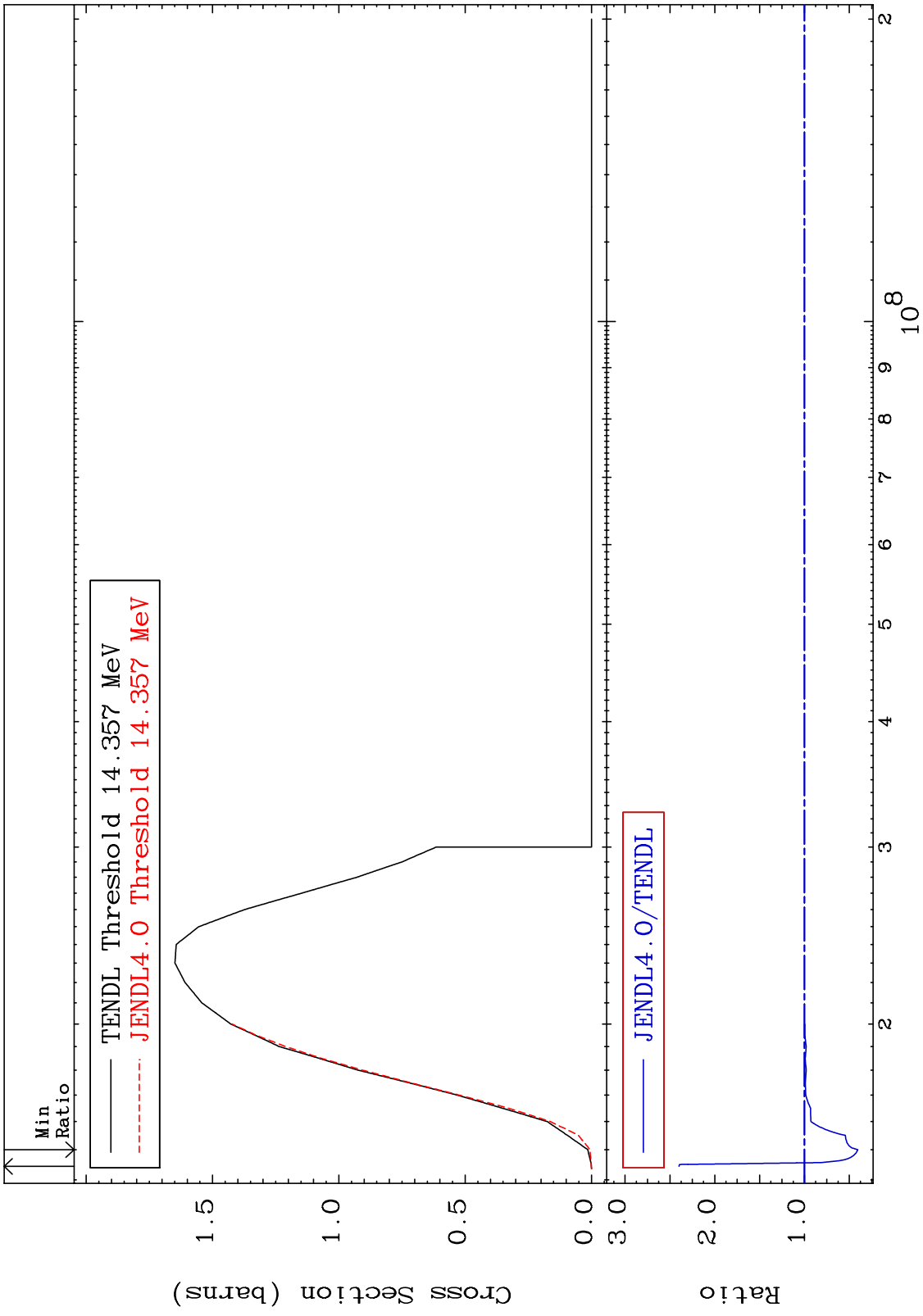


4

Incident Energy (eV)

76-0s-188

MAT 7637 (n,3n) Cross Section 76-0s-188
-59.55 To 139.8 %



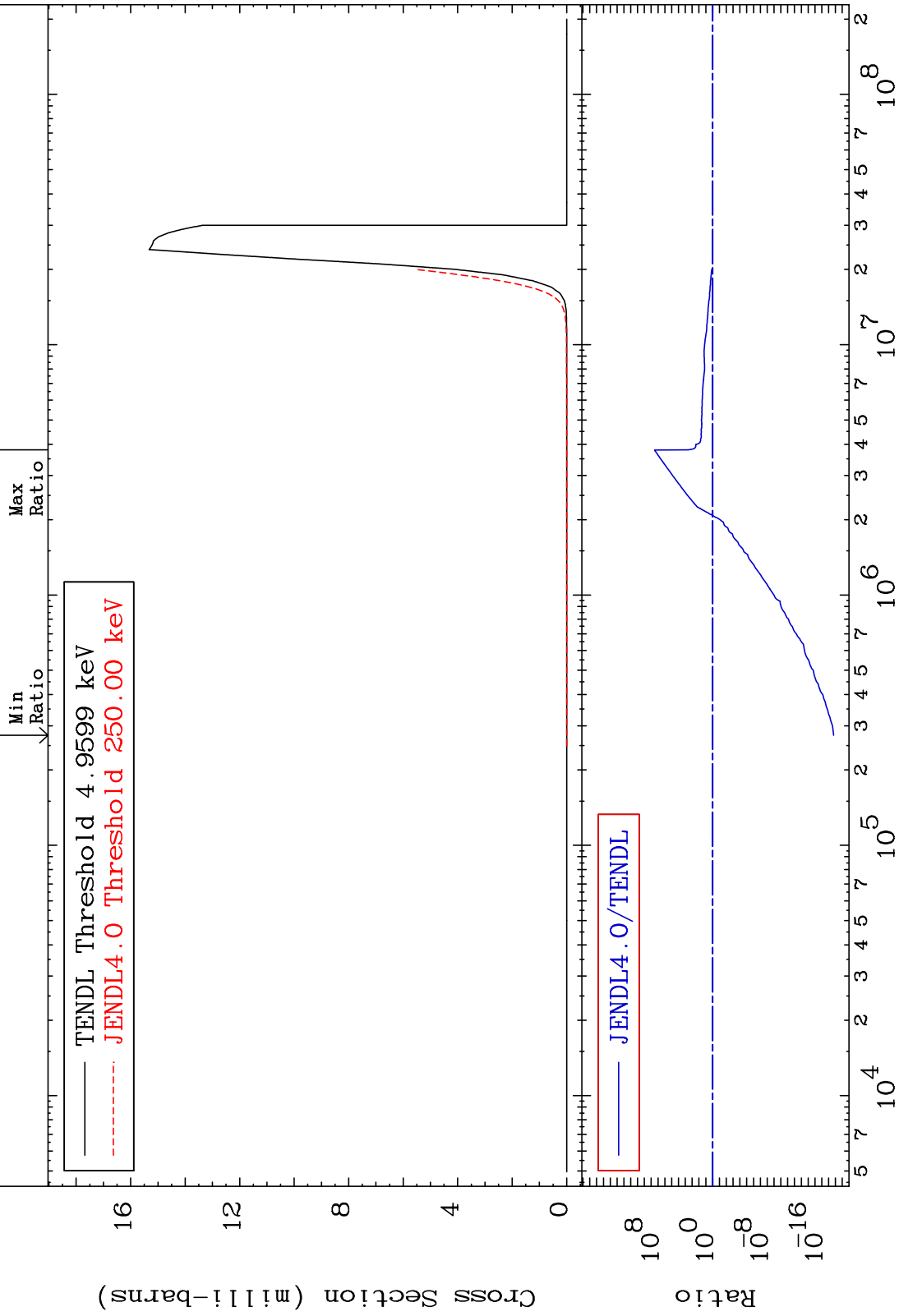
MAT 7637

(n,n') α

76-Os-188

-100.0 To 9999. %

Cross Section

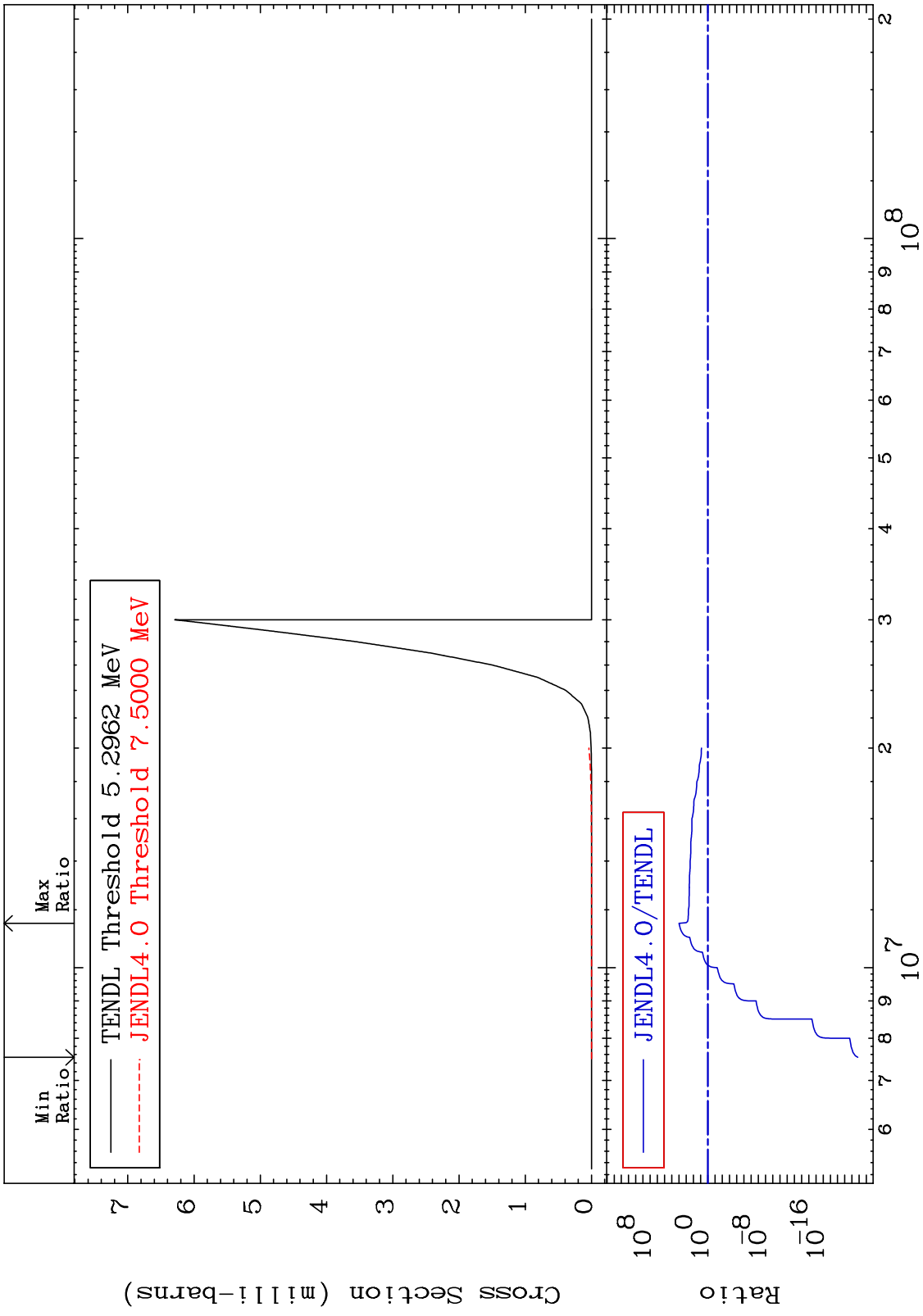


6

Incident Energy (eV)

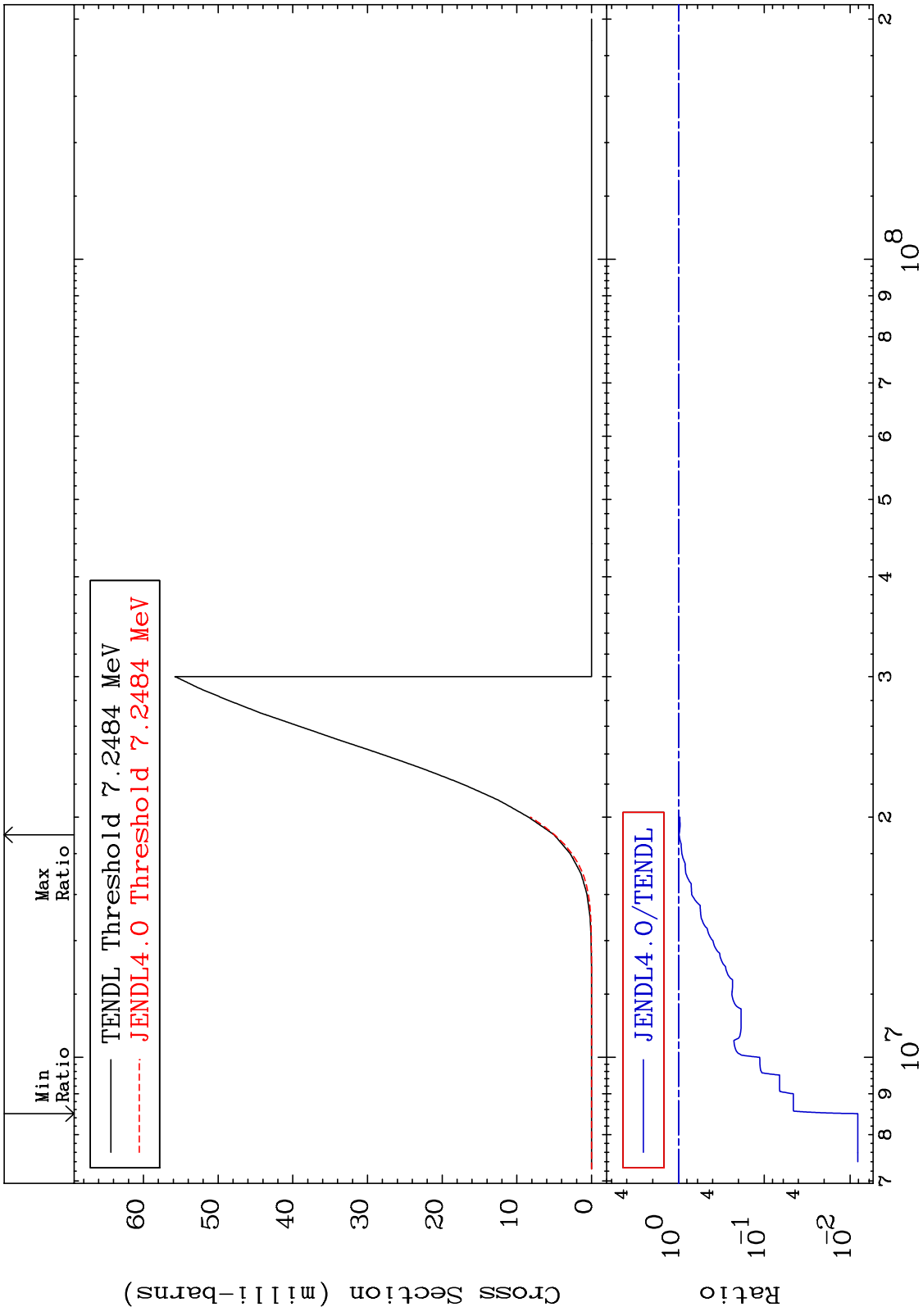
76-Os-188

MAT 7637 (n,2n) α 76-Os-188
 Cross Section -100.0 To 9999. %



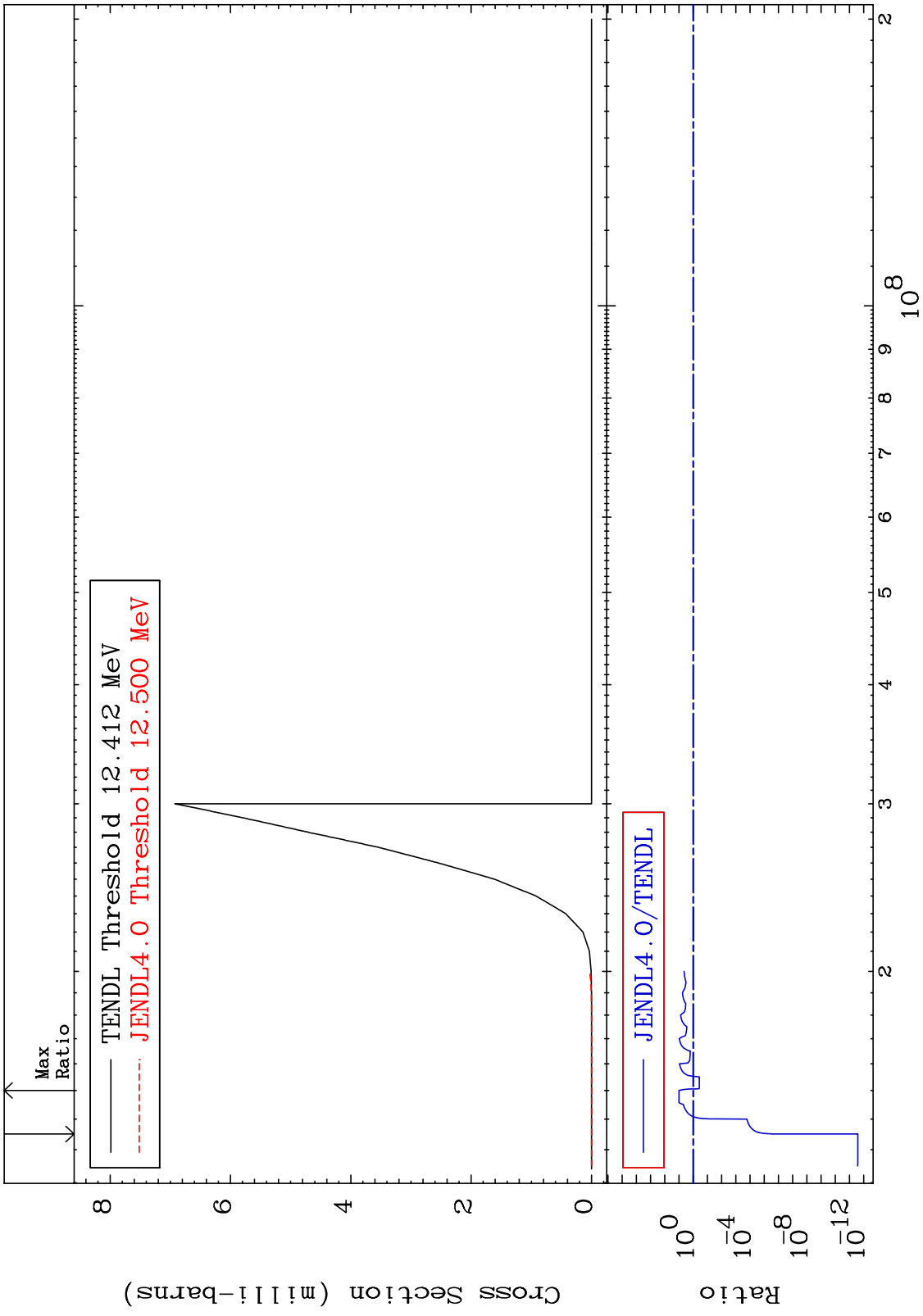
7 Incident Energy (eV) 76-Os-188

MAT 7637 $(n, n') p$ 76-Os-188
 Cross Section -99.19 To -1.514%

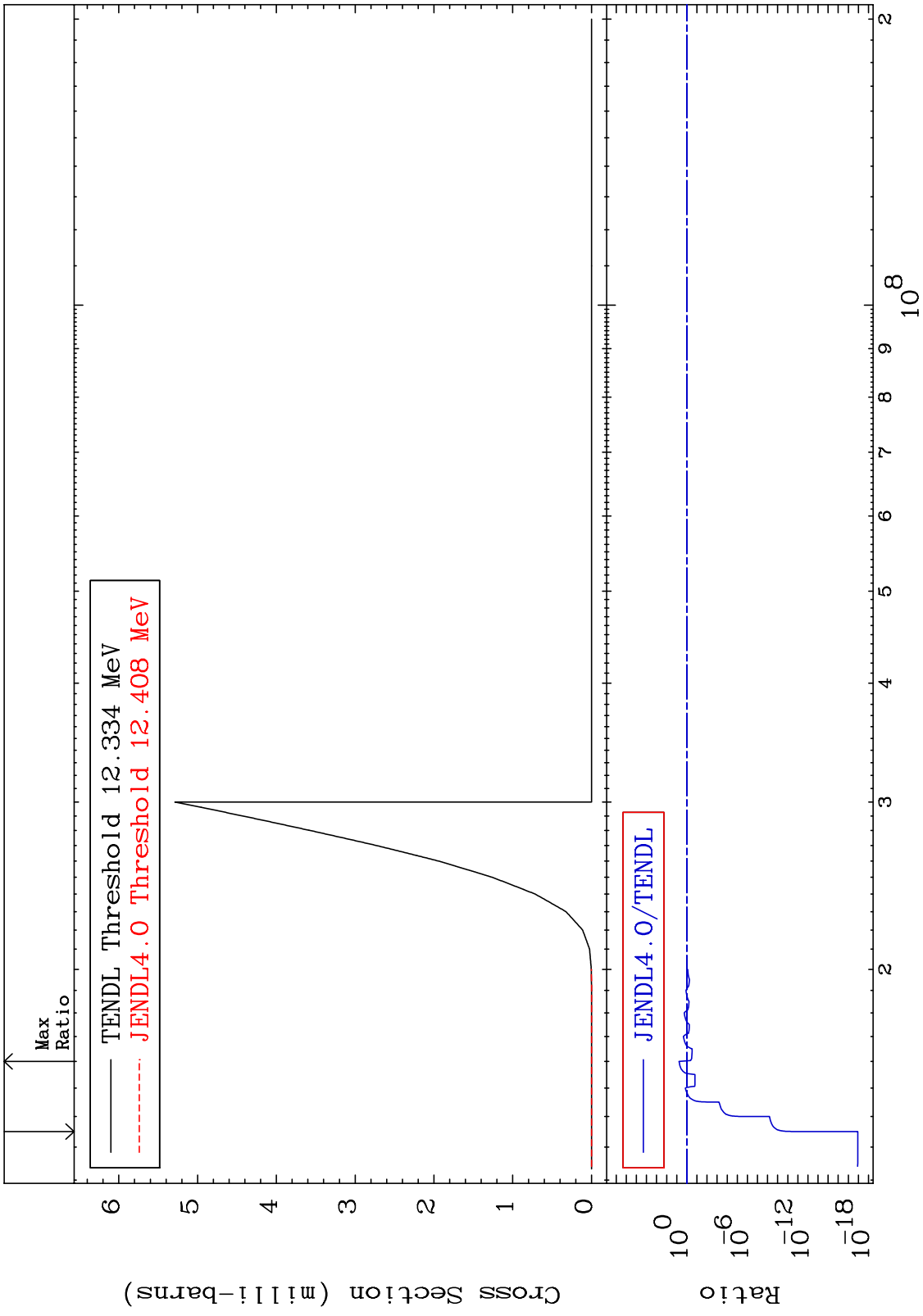


8 76-Os-188

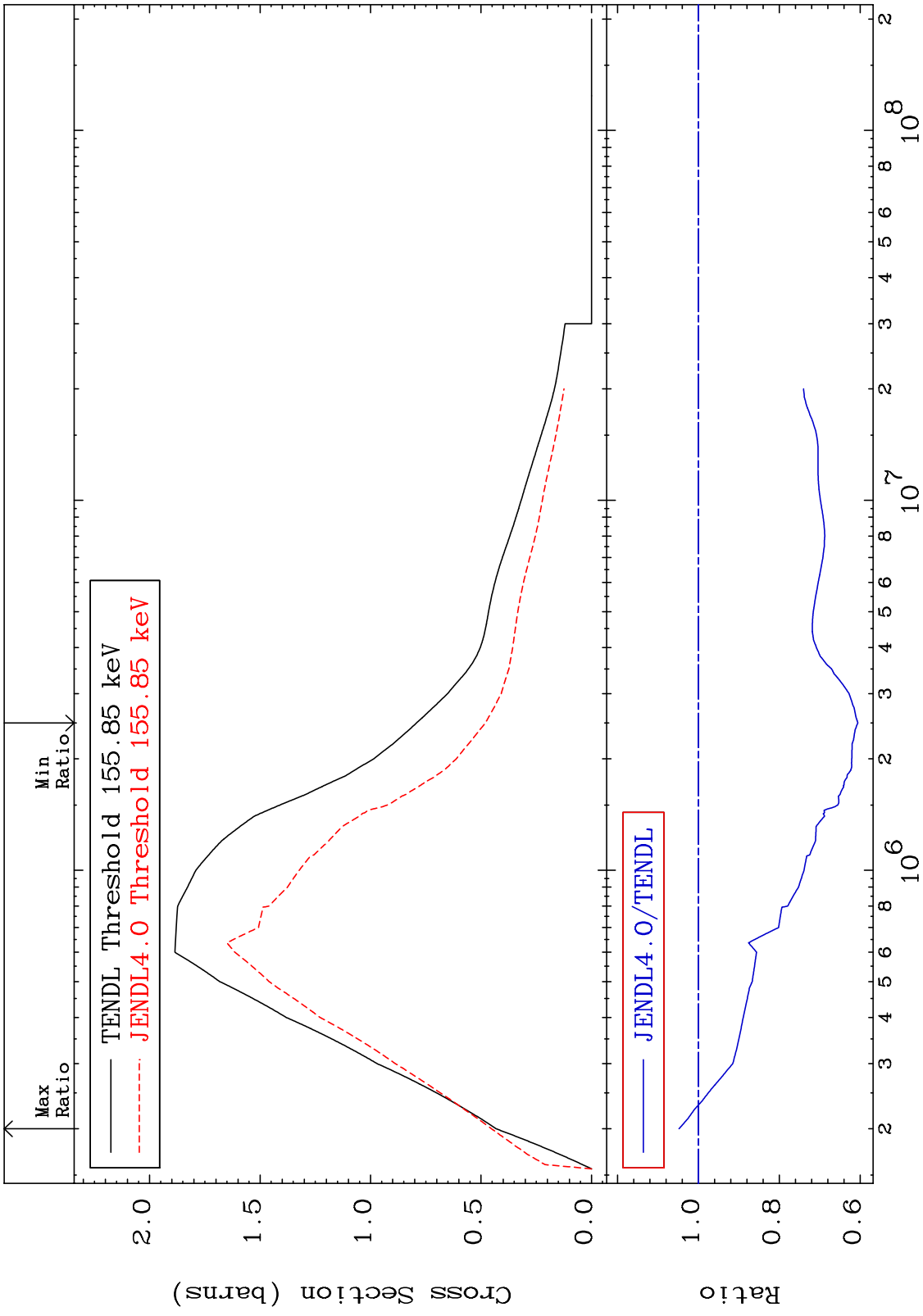
MAT 7637 (n,n') d 76-Os-188
 Cross Section -100.0 To 893.4 %



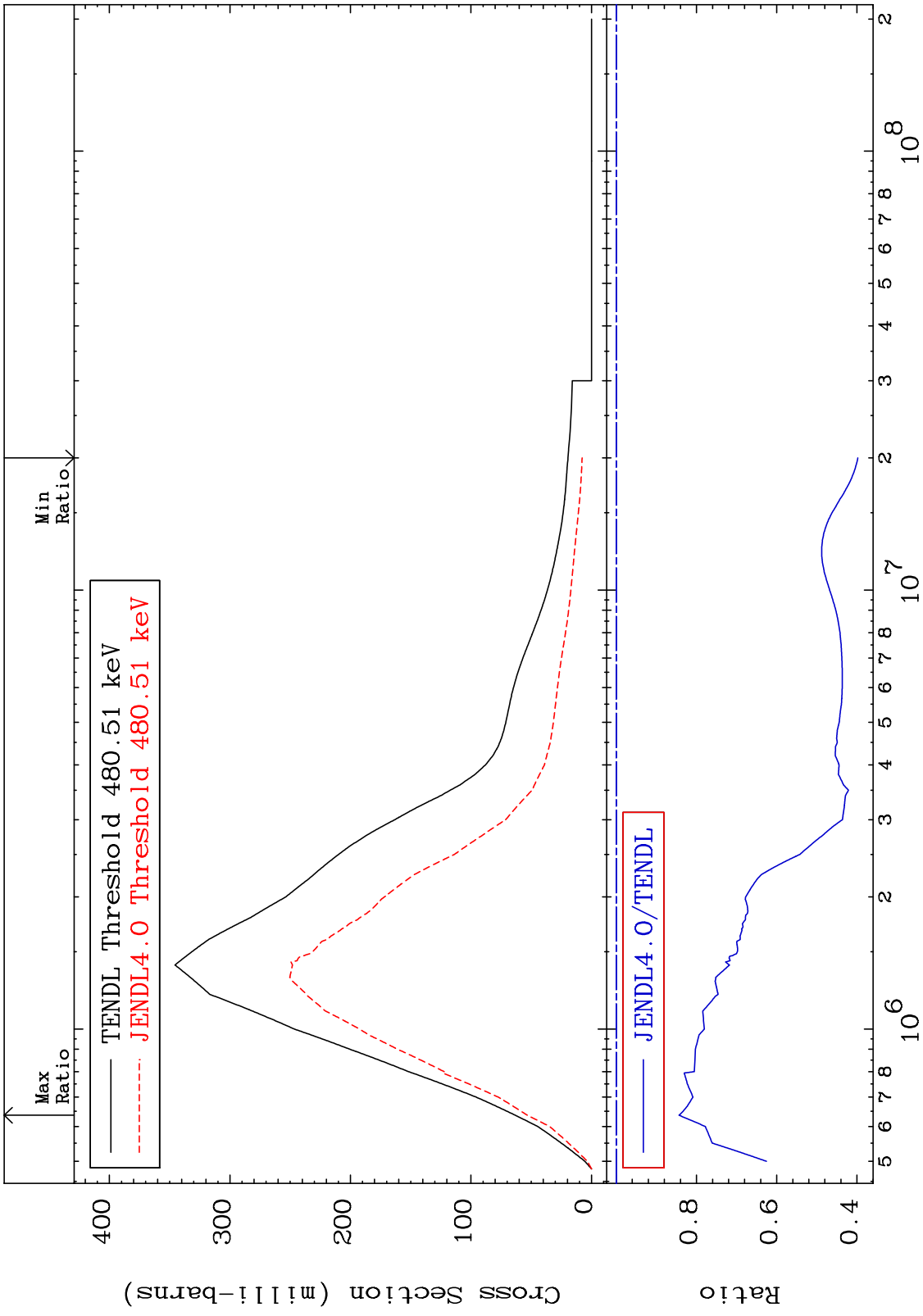
MAT 7637 (n,n') t 76-Os-188
 Cross Section -100.0 To 489.3 %



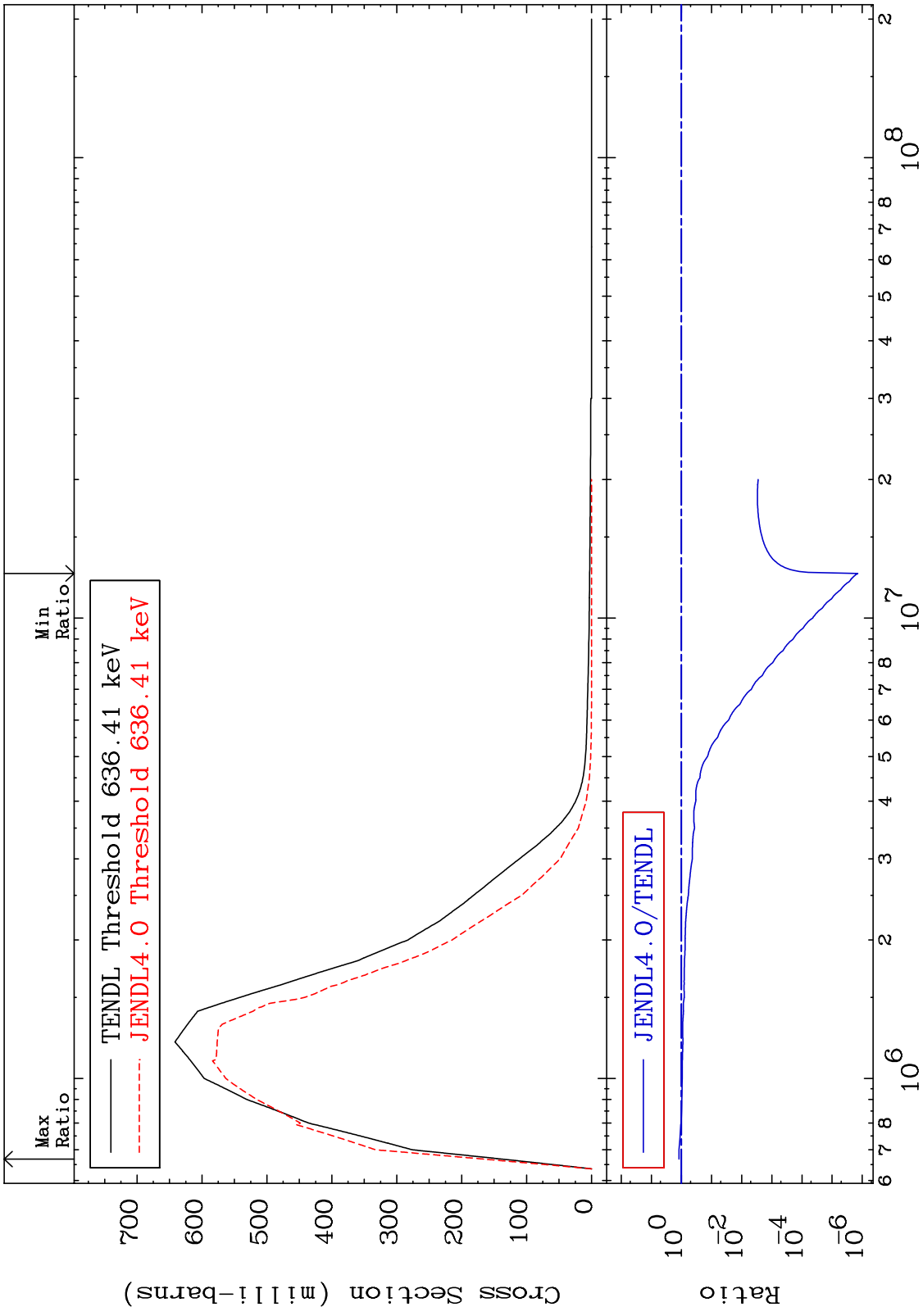
MAT 7637 MT= 51 (n,n') Level Cross Section 76-Os-188
 -39.42 To 4.808 %



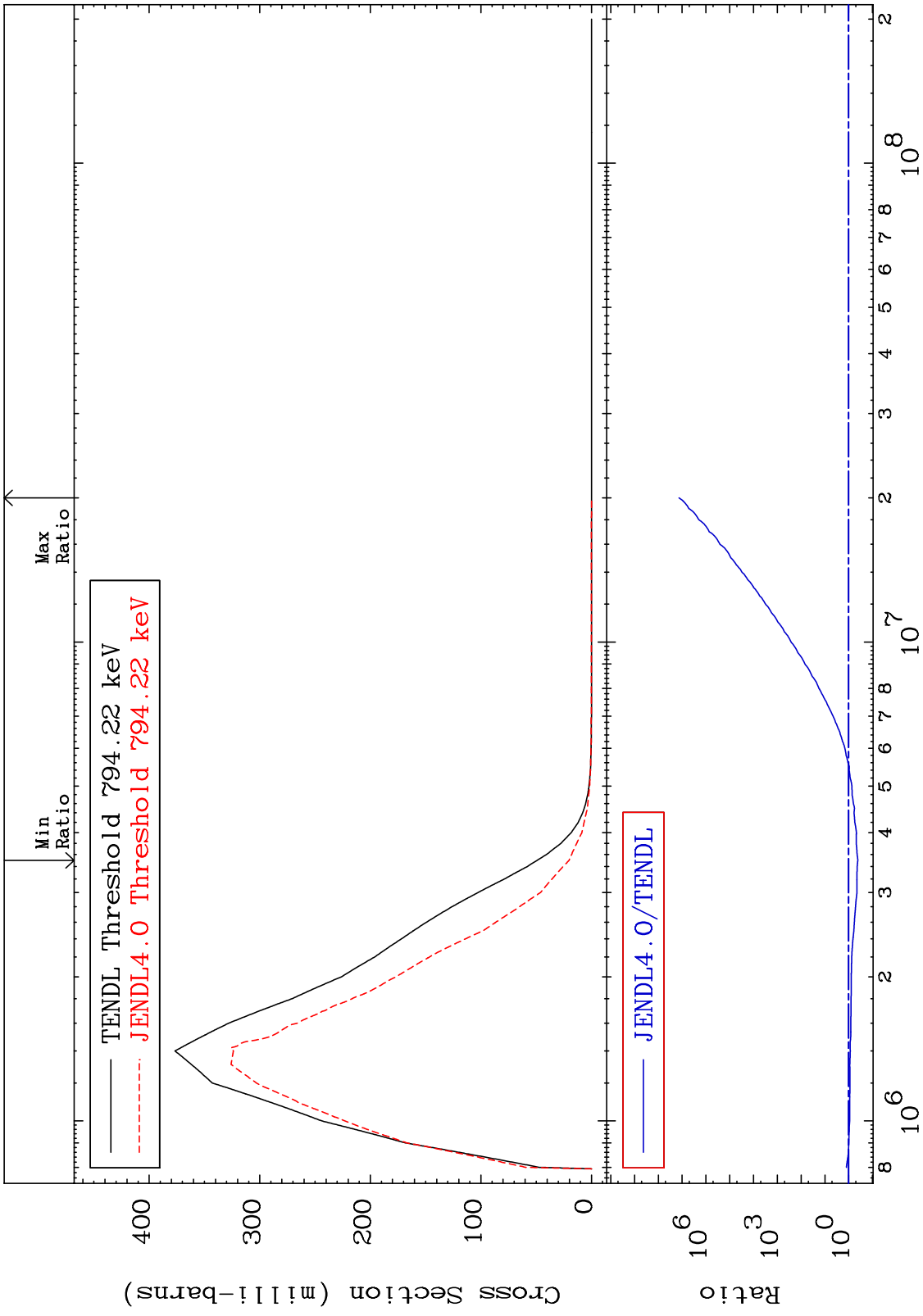
MAT 7637 MT= 52 (n,n') Level Cross Section 76-0s-188
 -60.21 To -15.65%



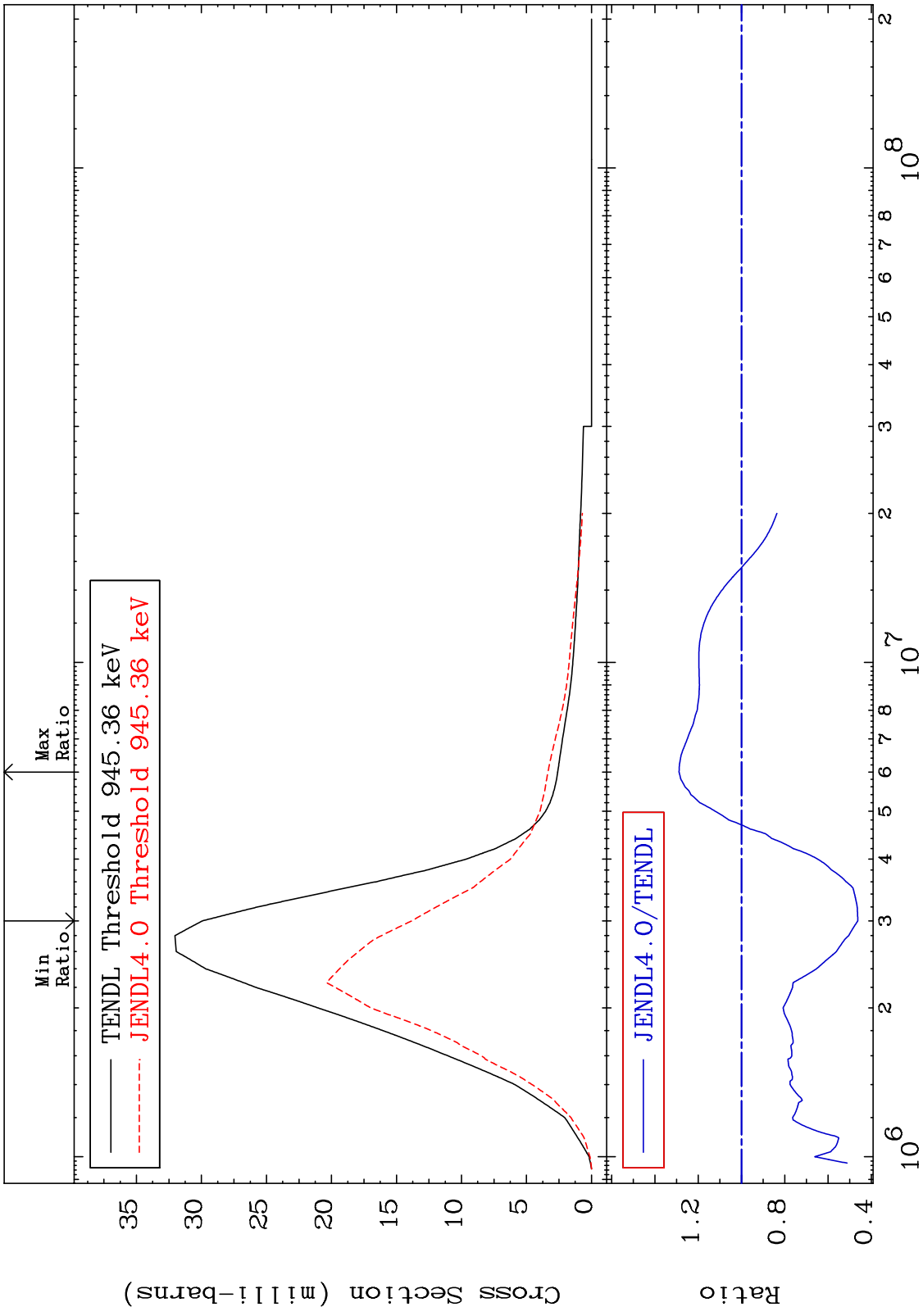
MAT 7637 MT= 53 (n,n') Level Cross Section 76-Os-188
 -100.0 To 20.44 %



MAT 7637 MT= 54 (n,n') Level Cross Section 76-Os-188
 -58.62 To 9999. %

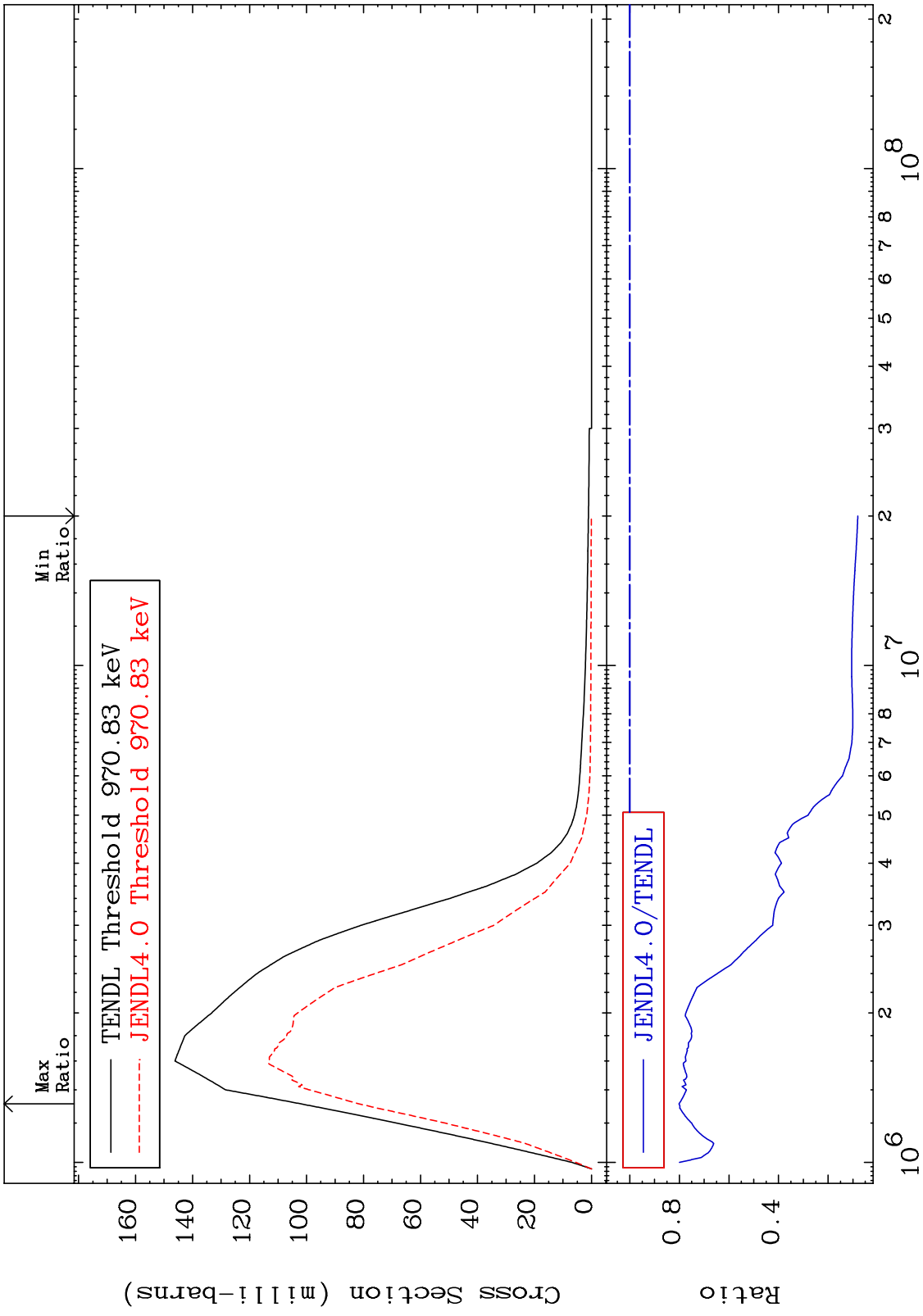


MAT 7637 MT= 55 (n,n') Level Cross Section 76-0s-188
-53.80 To 28.85 %



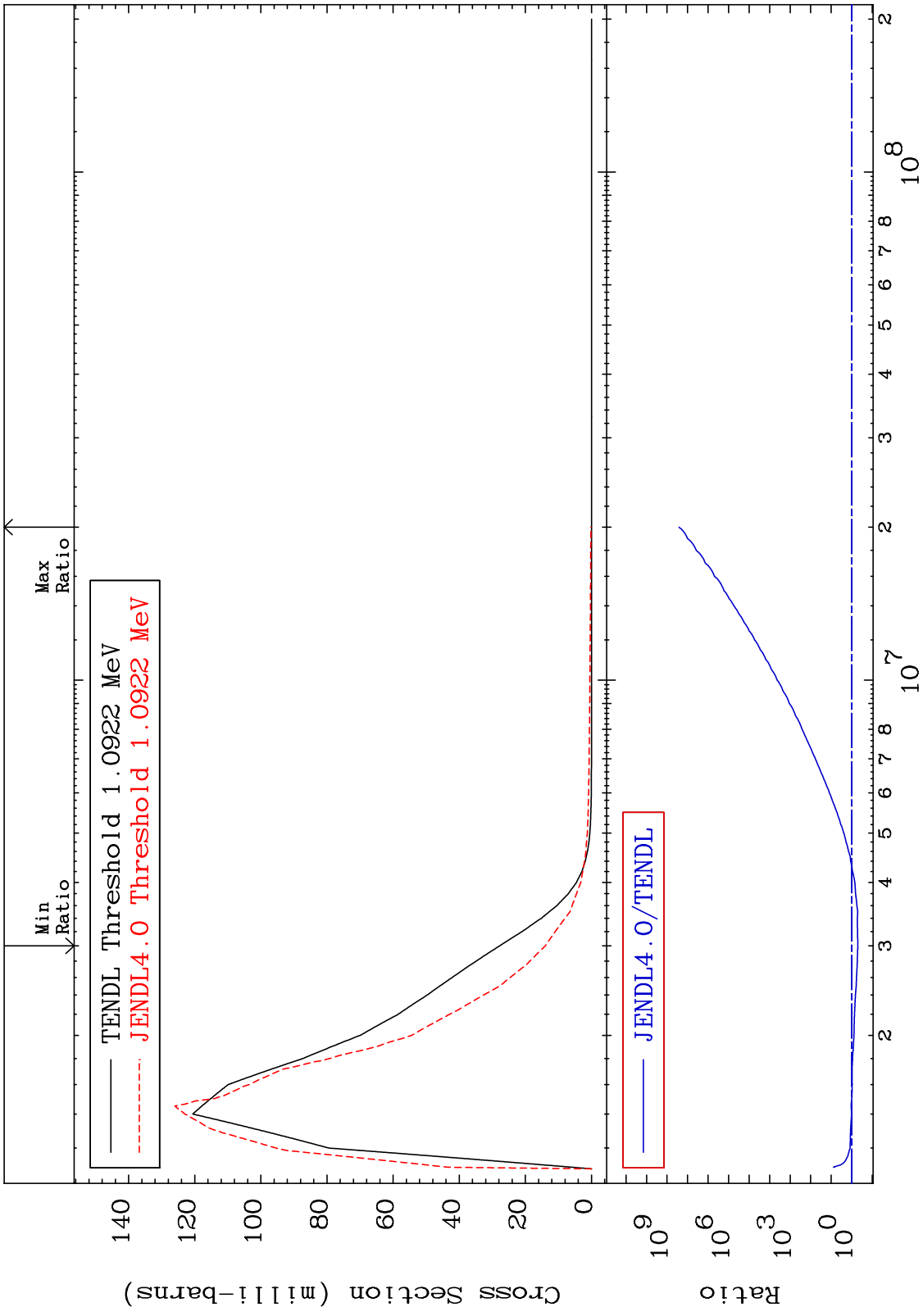
Incident Energy (eV) 76-0s-188

MAT 7637 MT= 56 (n,n') Level Cross Section 76-0s-188 -91.99 To -19.88%

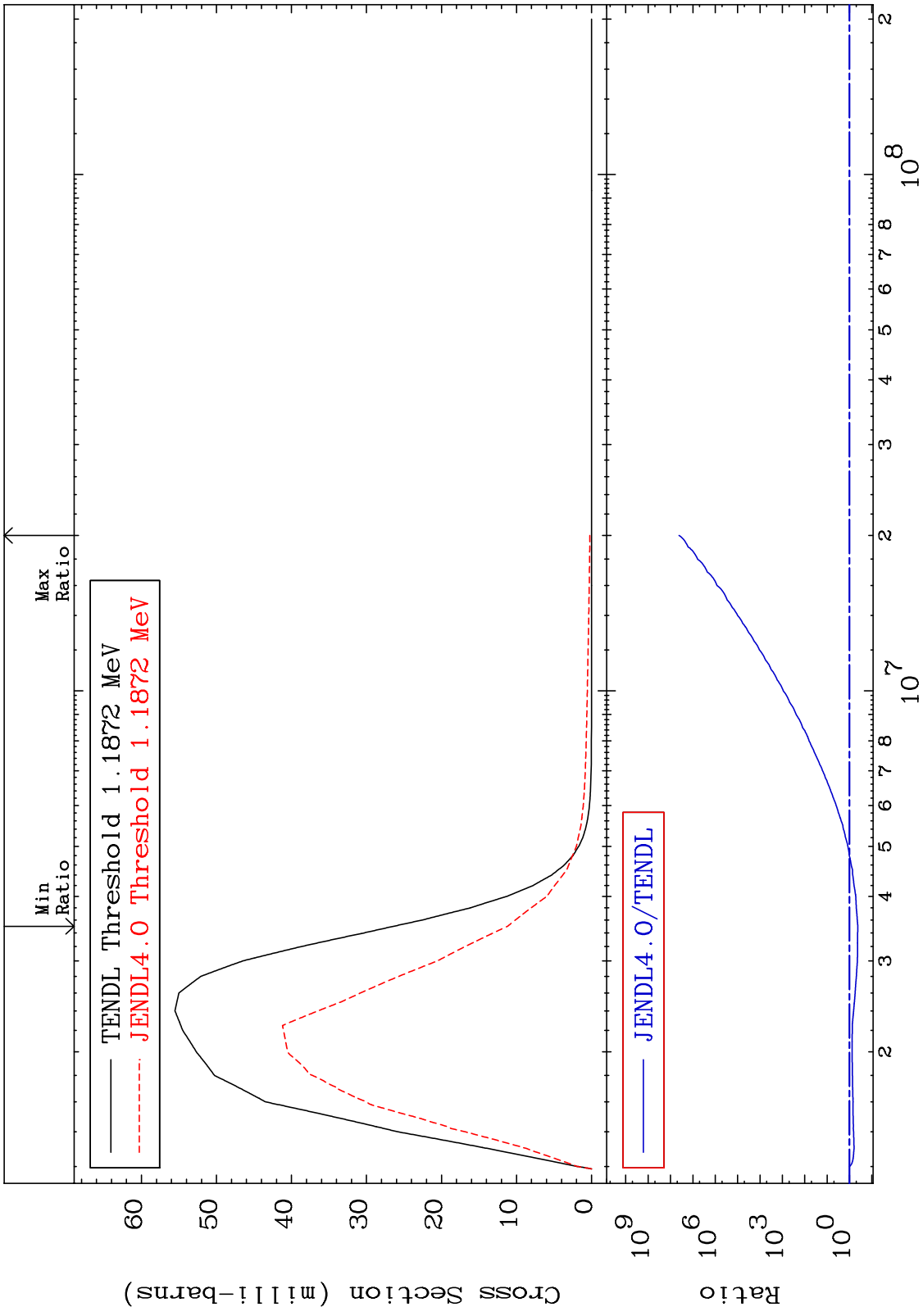


16 16 76-0s-188

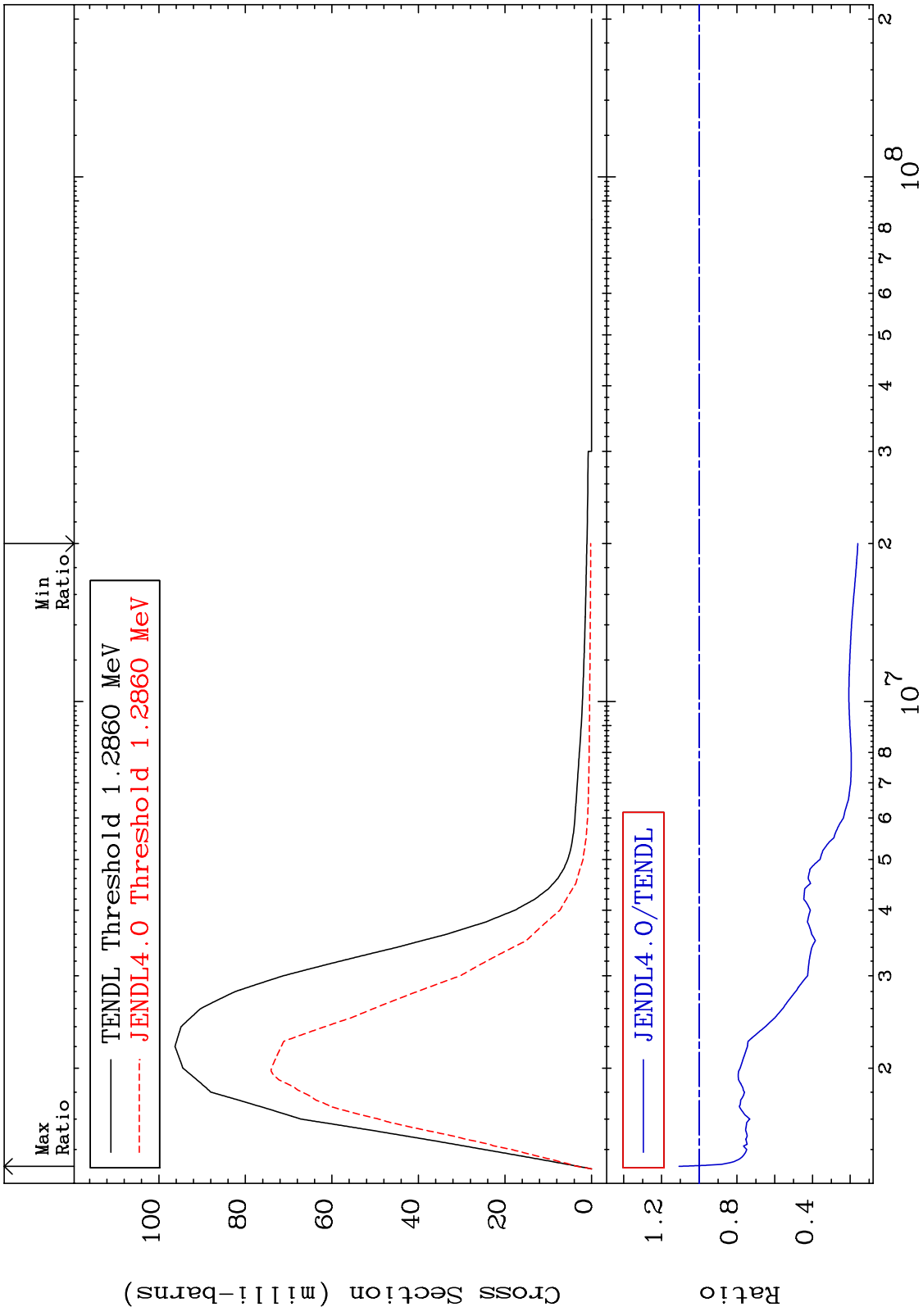
MAT 7637 MT= 57 (n,n') Level 76-0s-188
 Cross Section -49.74 To 9999. %



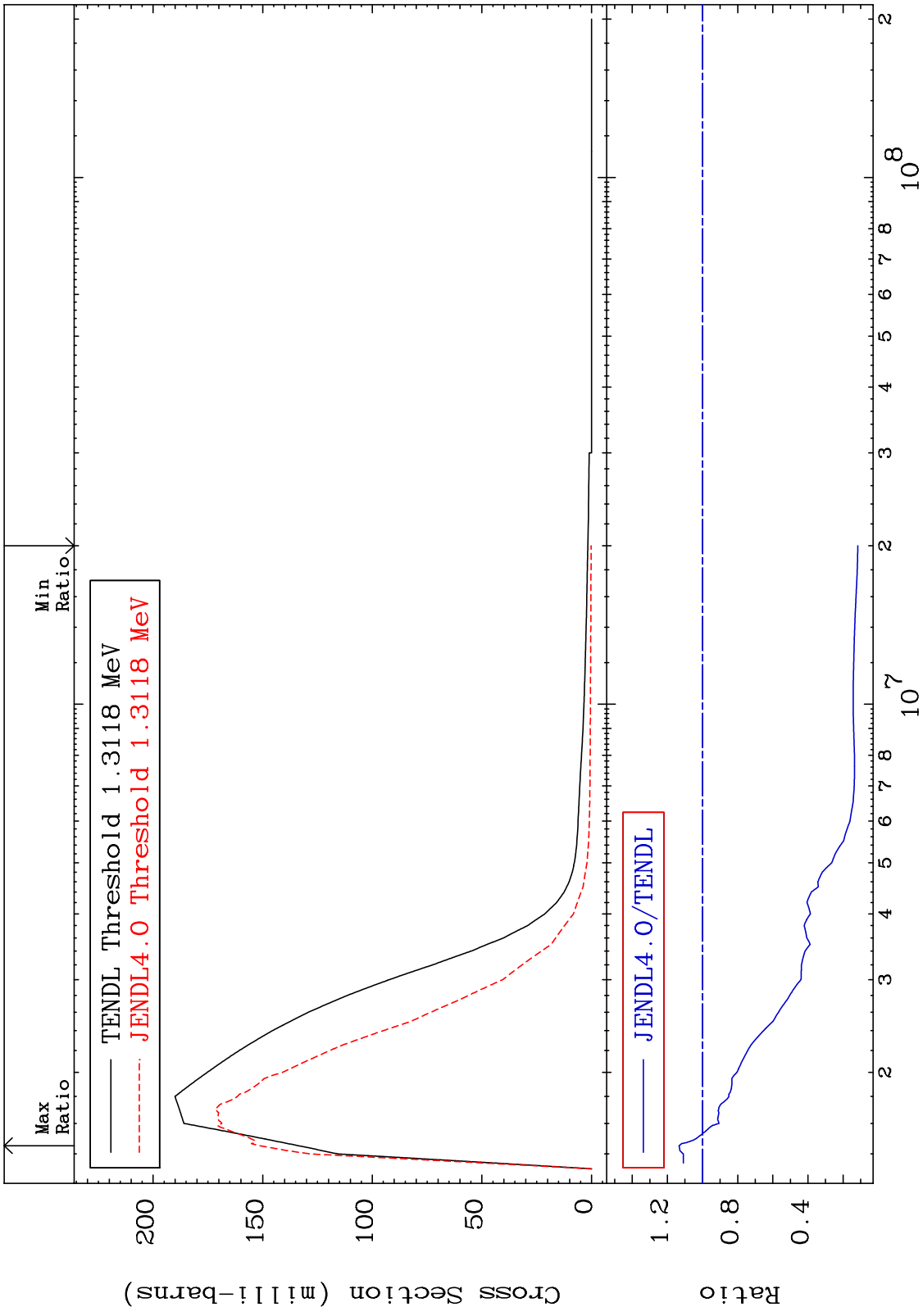
MAT 7637 MT= 58 (n,n') Level Cross Section 76-0s-188
 -57.61 To 9999. %



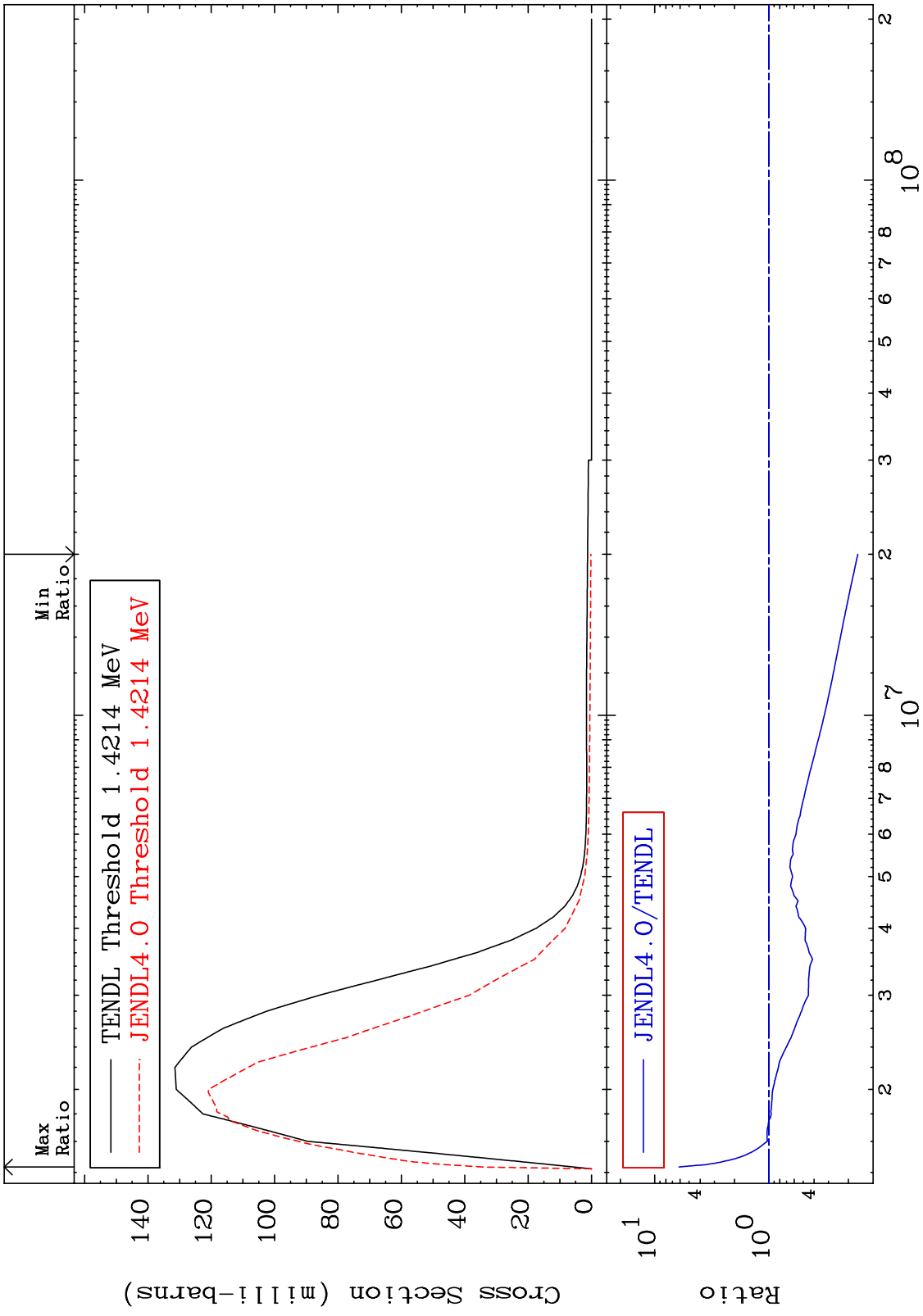
MAT 7637 MT= 59 (n,n') Level Cross Section 76-0s-188
 -84.02 To 10.70 %



MAT 7637 MT= 60 (n,n') Level Cross Section 76-0s-188
 -88.39 To 13.37 %

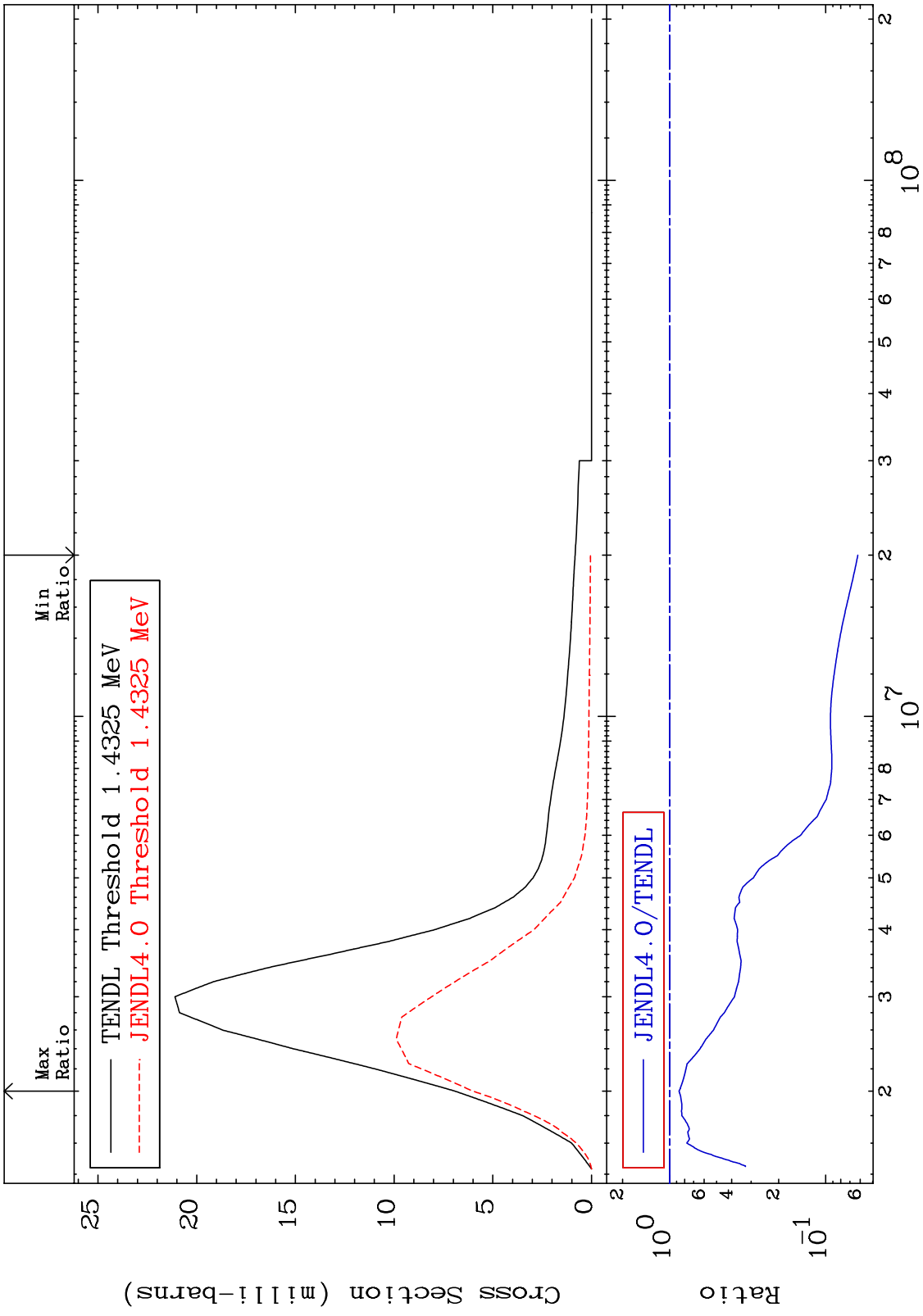


MAT 7637 MT= 61 (n,n') Level Cross Section 76-0s-188
 -83.44 To 512.9 %

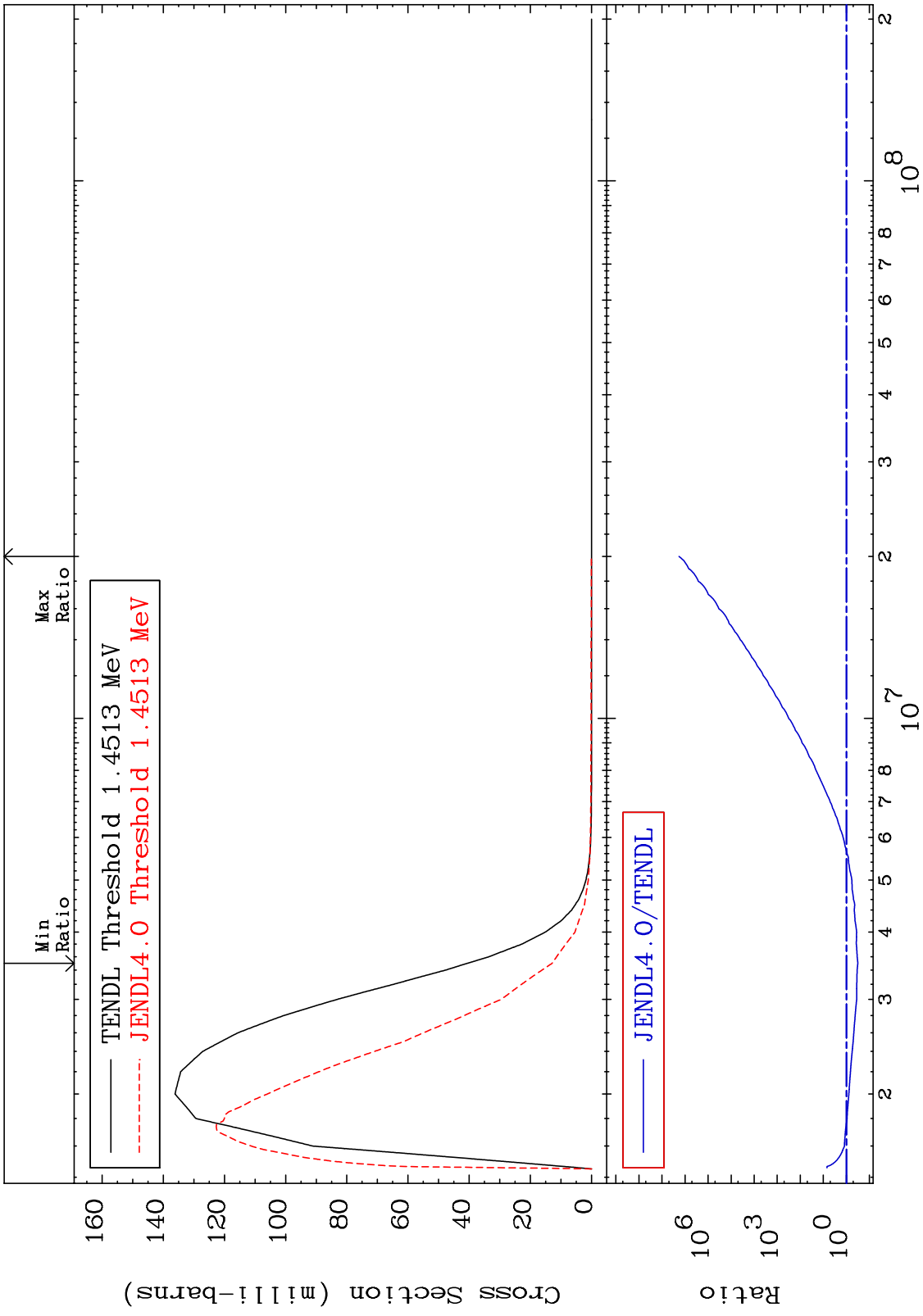


21 Incident Energy (eV) 76-0s-188

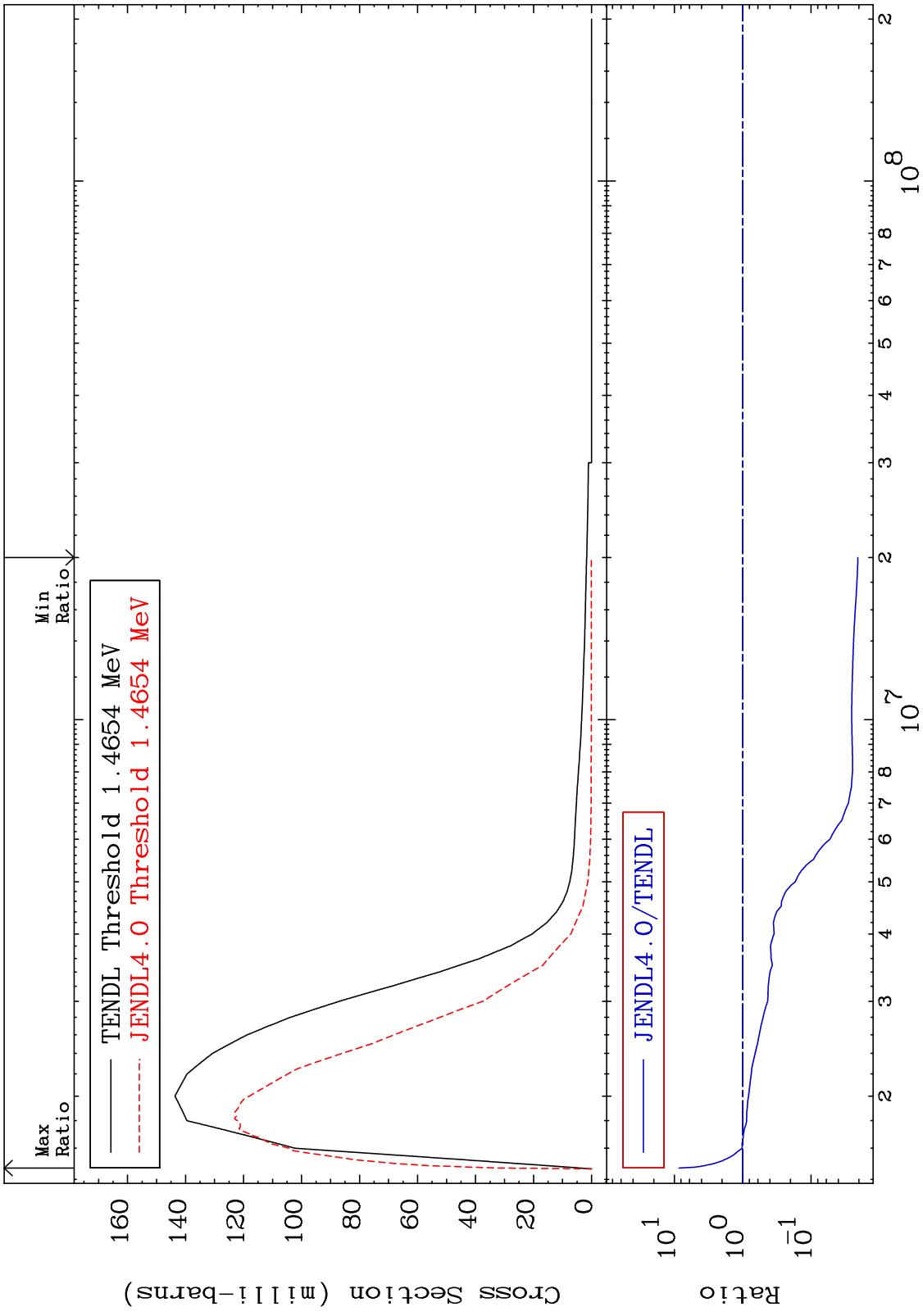
MAT 7637 MT= 62 (n,n') Level Cross Section 76-0s-188
 -93.78 To -13.13%



MAT 7637 MT= 63 (n,n') Level Cross Section 76-0s-188
 -68.24 To 9999. %

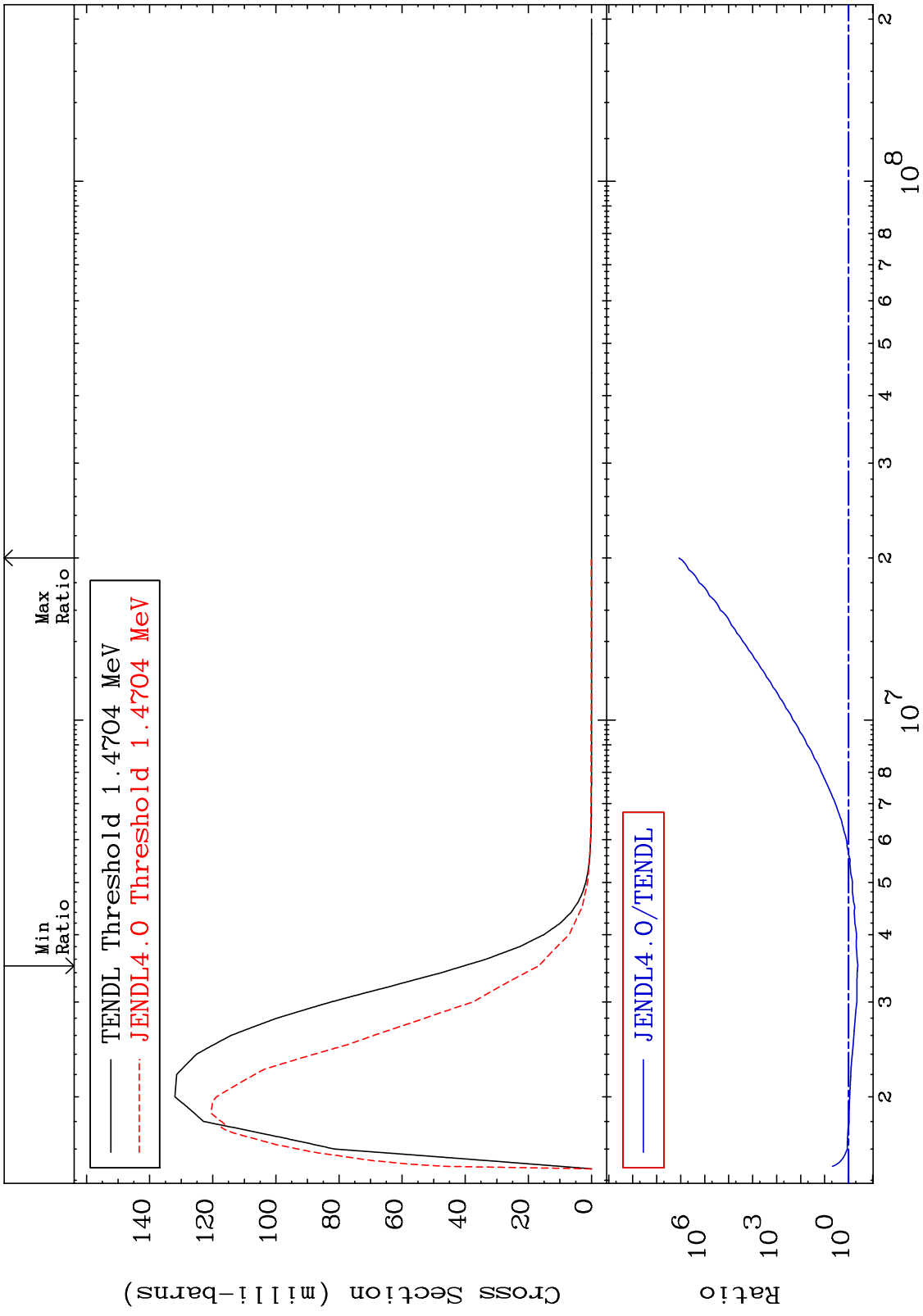


MAT 7637 MT= 64 (n,n') Level Cross Section 76-0s-188
 -97.93 To 753.7 %

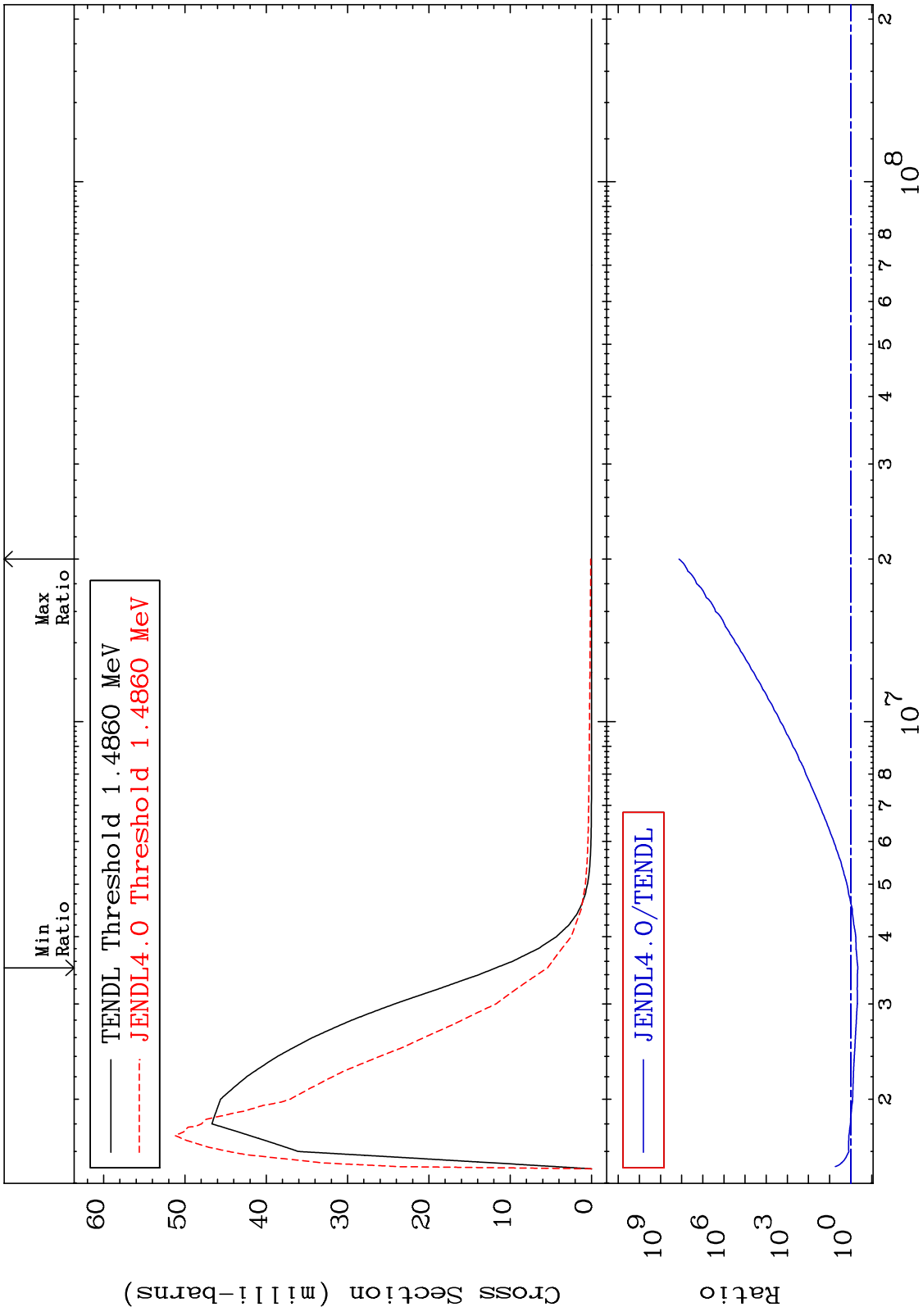


24 76-0s-188

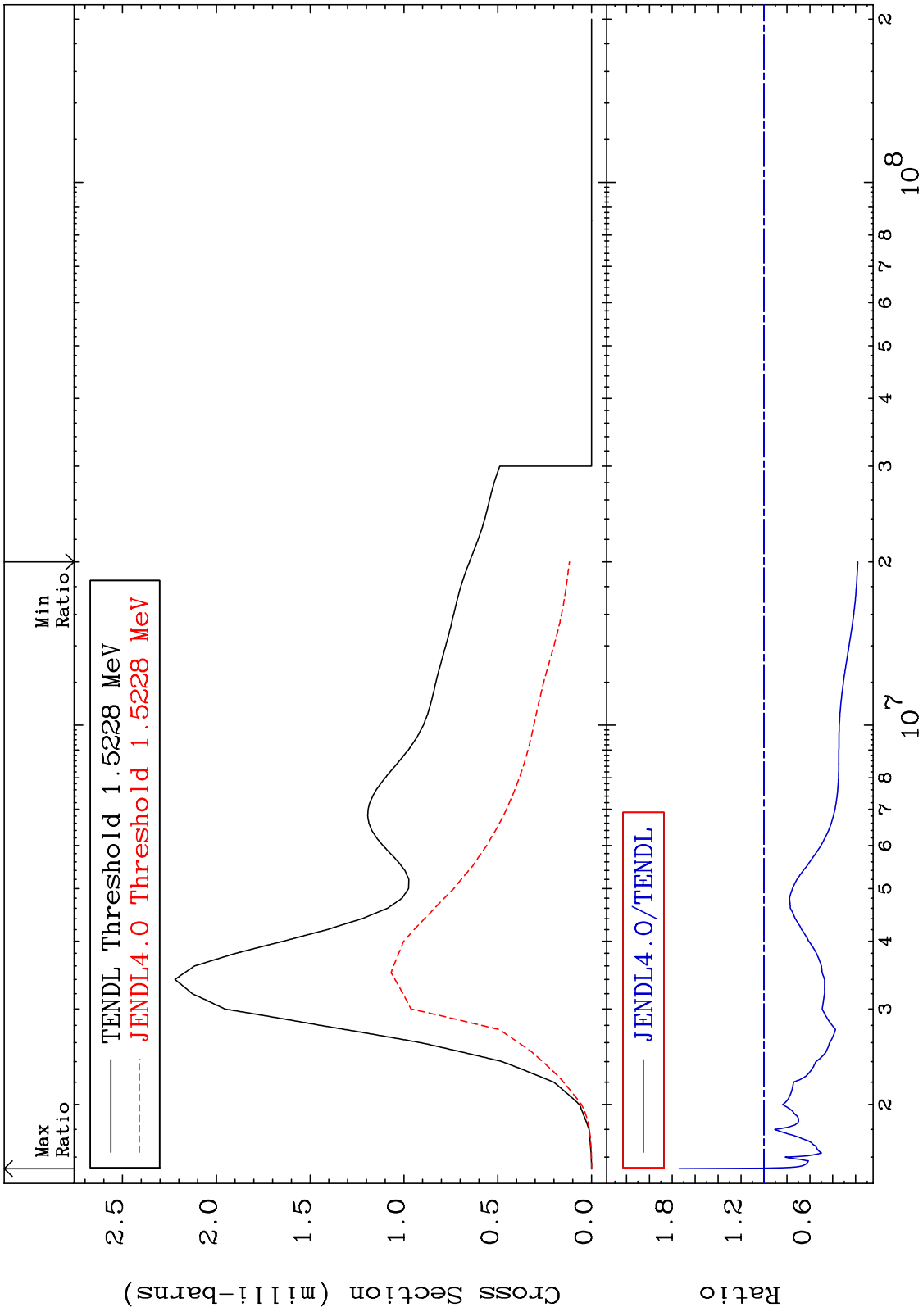
MAT 7637 MT= 65 (n,n') Level Cross Section 76-0s-188
 -58.75 To 9999. %



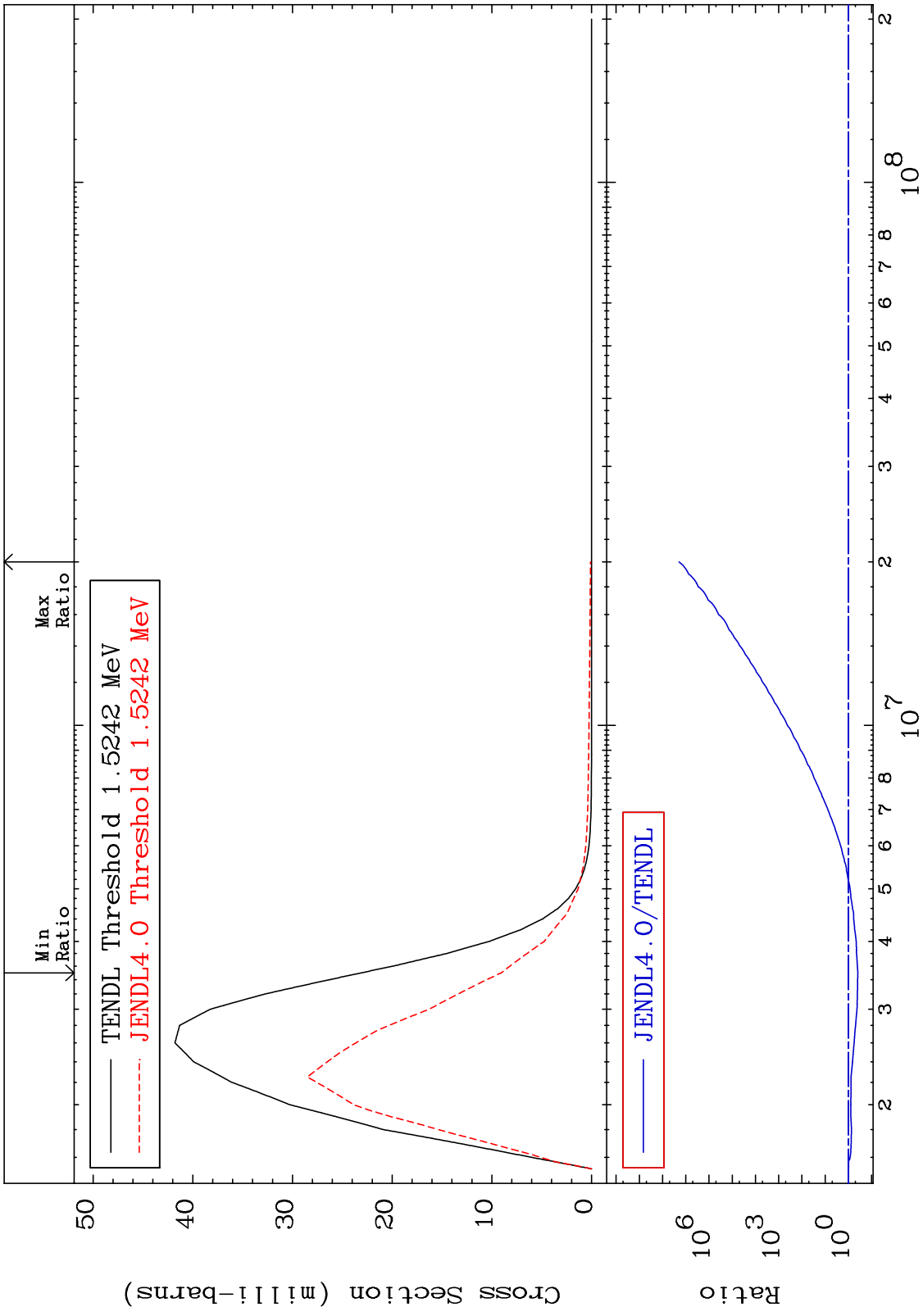
MAT 7637 MT= 66 (n,n') Level Cross Section 76-0s-188
 -54.06 To 9999. %



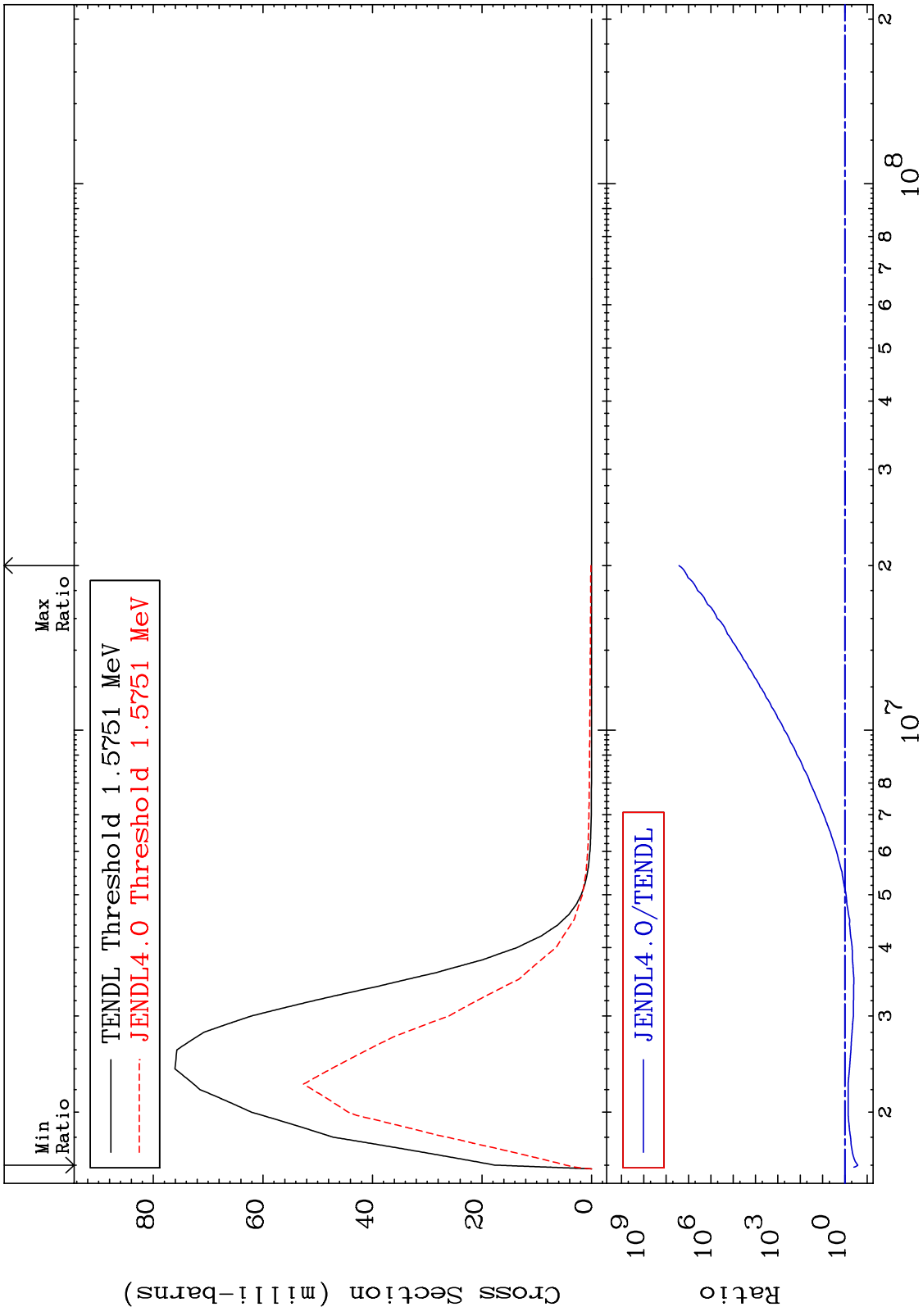
MAT 7637 MT= 67 (n,n') Level Cross Section 76-0s-188
 -81.89 To 74.12 %



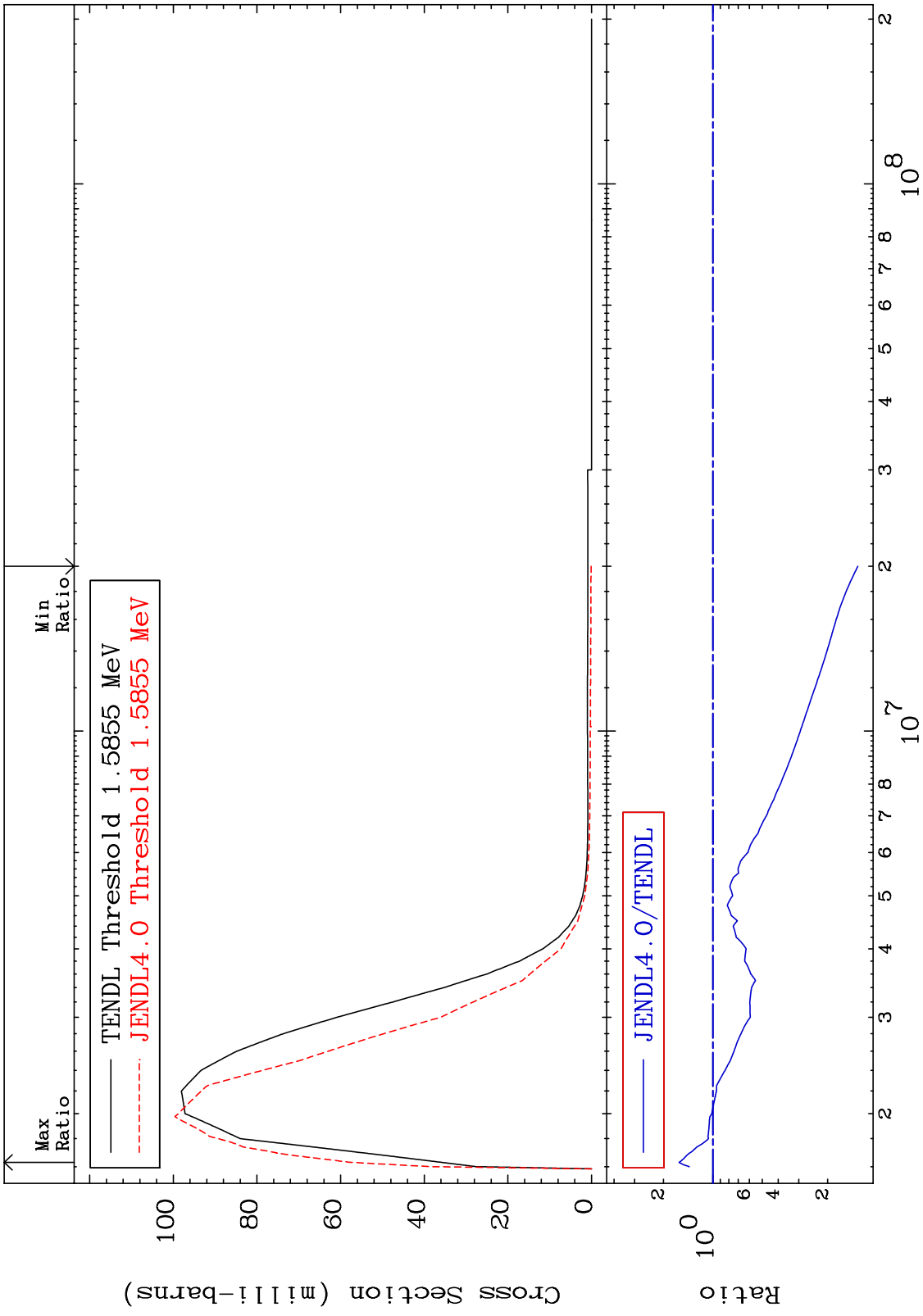
MAT 7637 MT= 68 (n,n') Level Cross Section 76-0s-188
 -60.78 To 9999. %



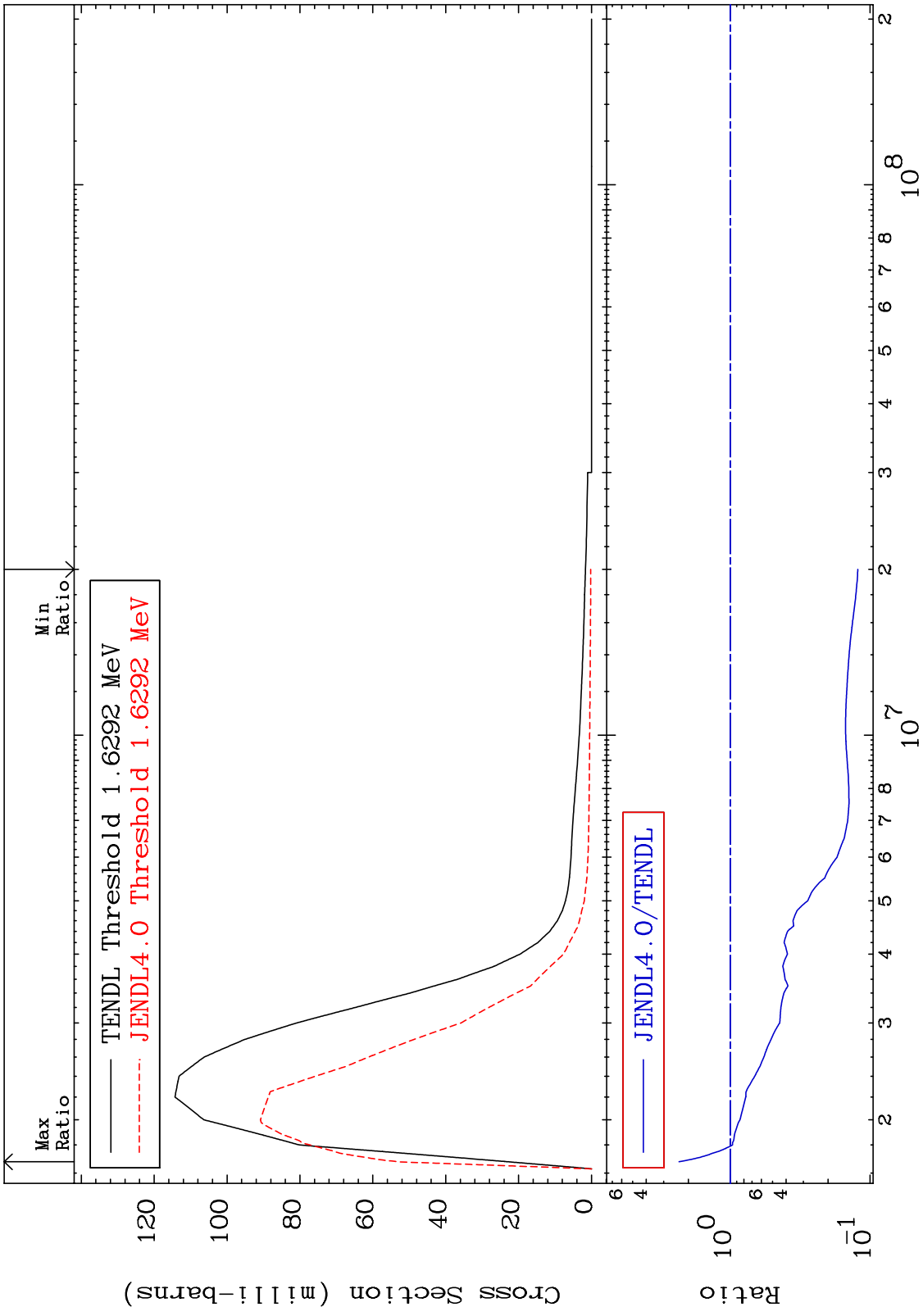
MAT 7637 MT= 69 (n,n') Level Cross Section 76-0s-188
 -73.53 To 9999. %



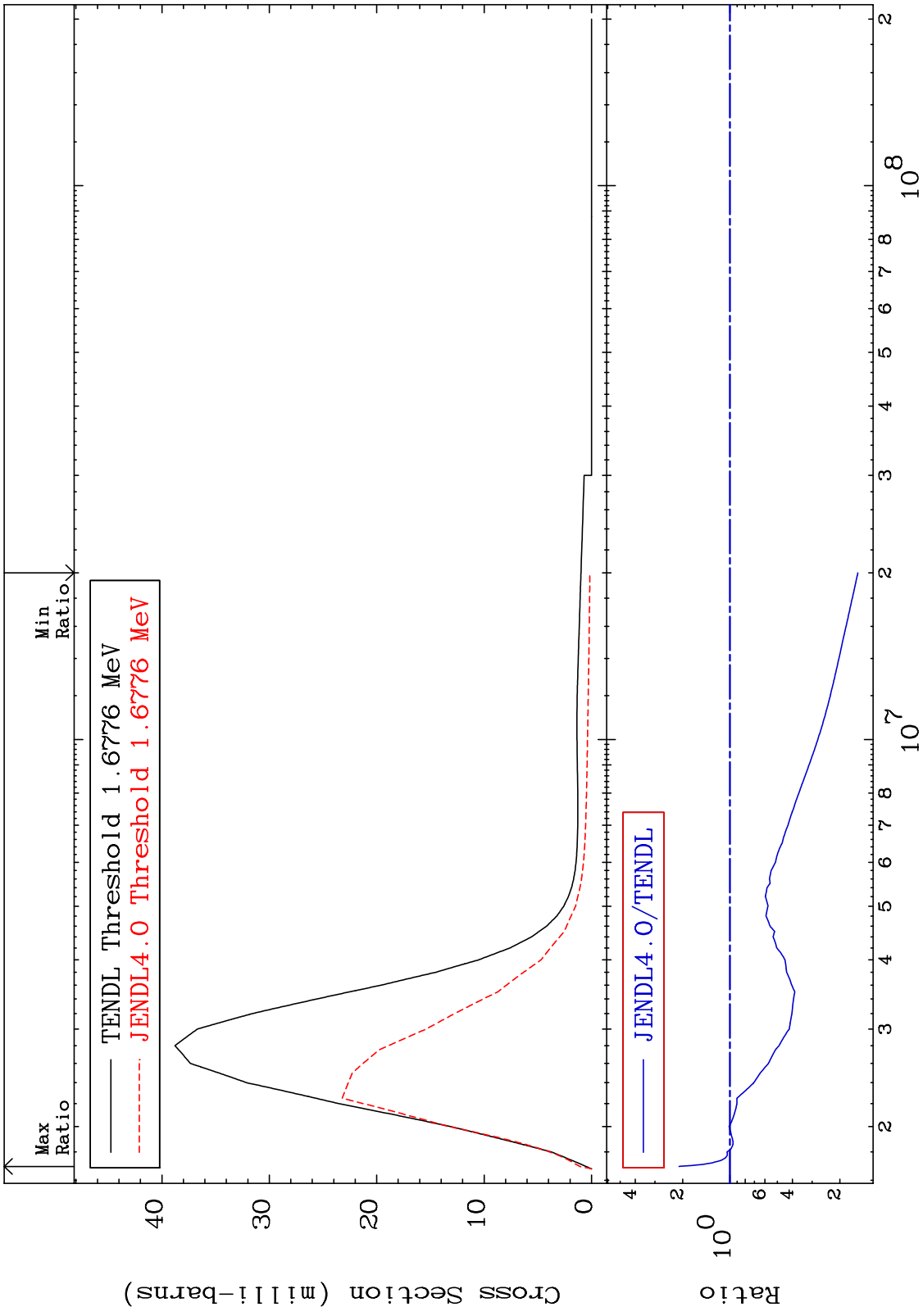
MAT 7637 MT= 70 (n,n') Level Cross Section 76-0s-188
 -86.89 To 60.67 %



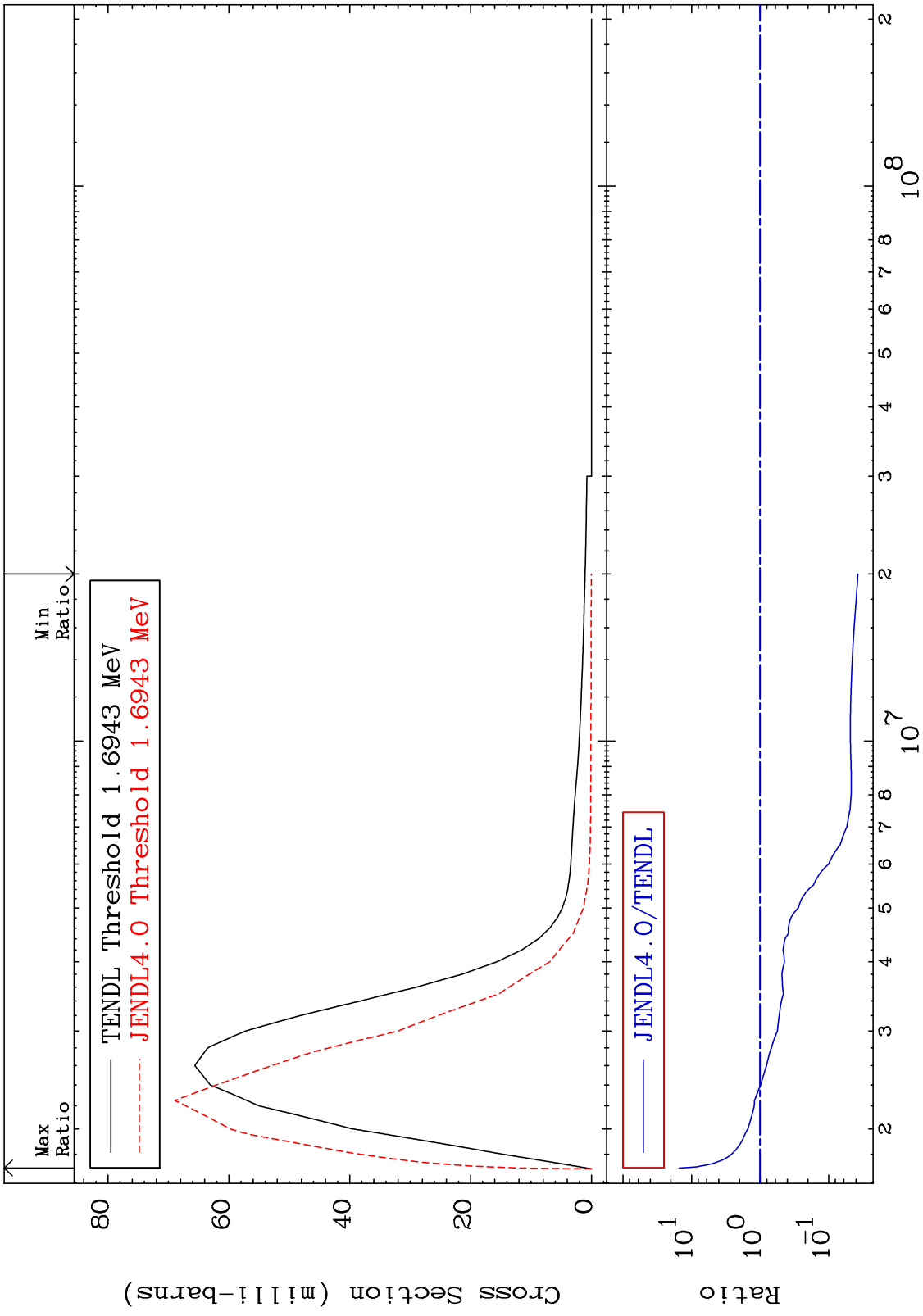
MAT 7637 MT= 71 (n,n') Level Cross Section 76-0s-188
 -87.76 To 133.0 %



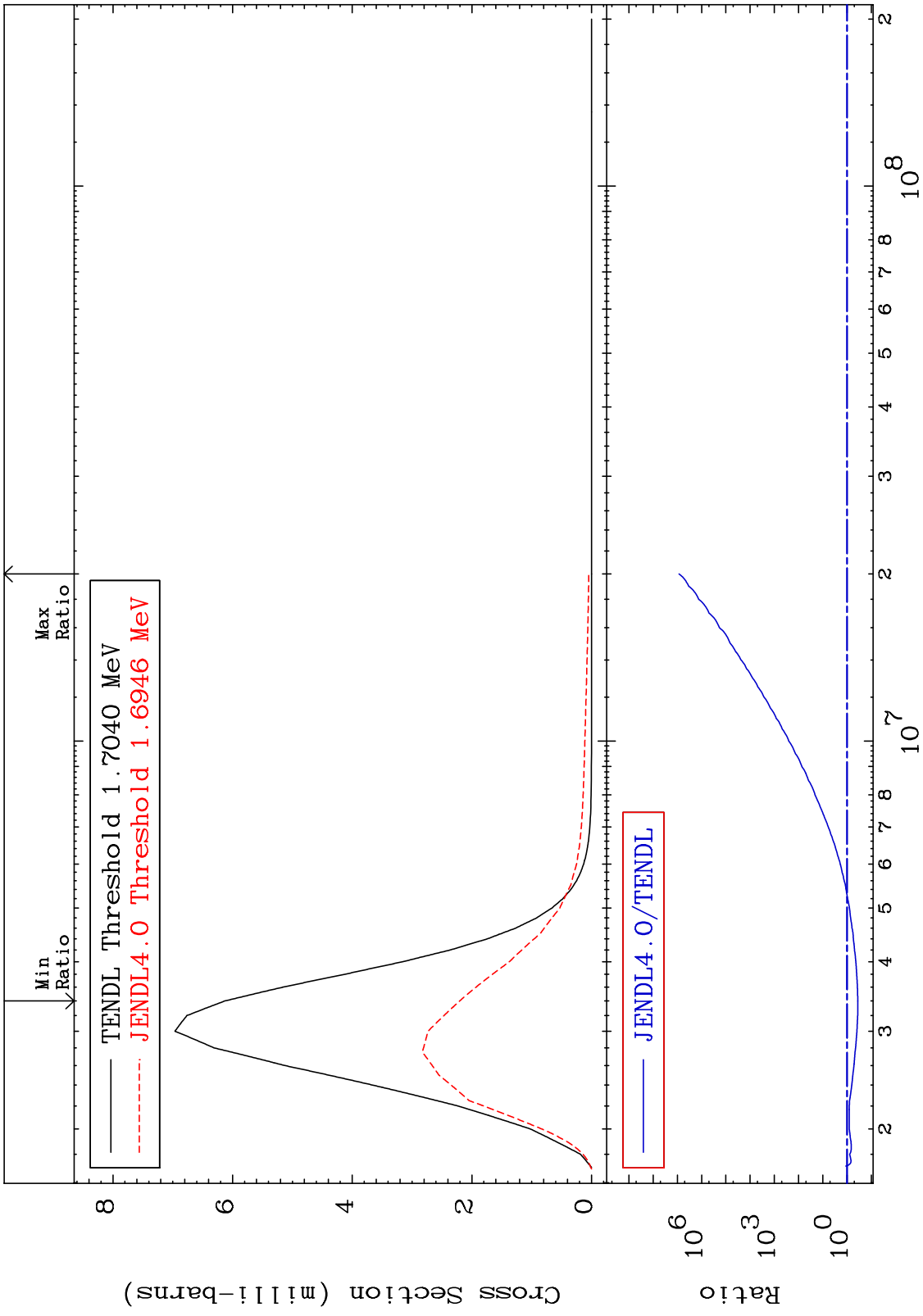
MAT 7637 MT= 72 (n,n') Level Cross Section 76-0s-188
 -84.64 To 110.8 %



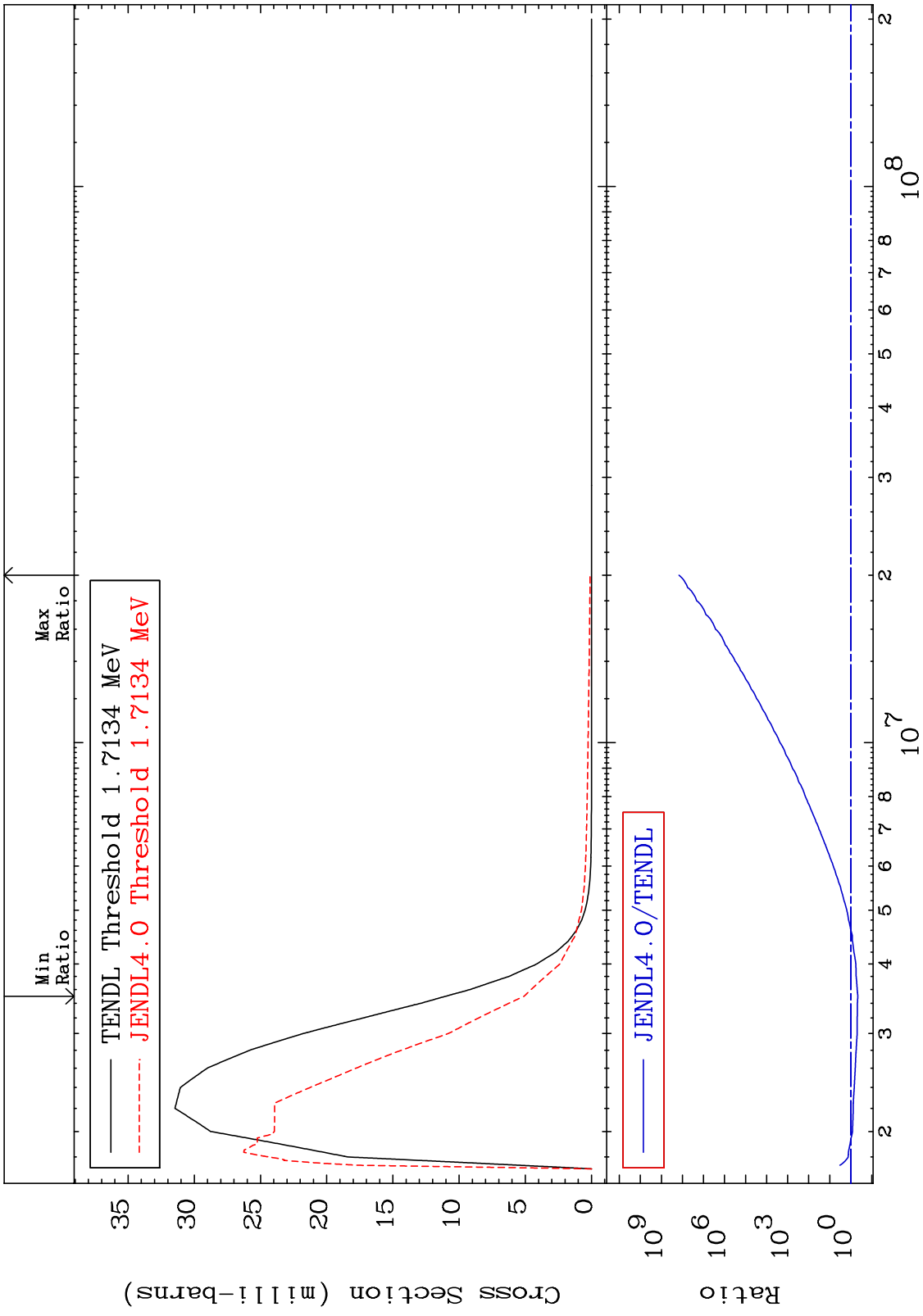
MAT 7637 MT= 73 (n,n') Level Cross Section 76-0s-188
 -96.24 To 1422. %



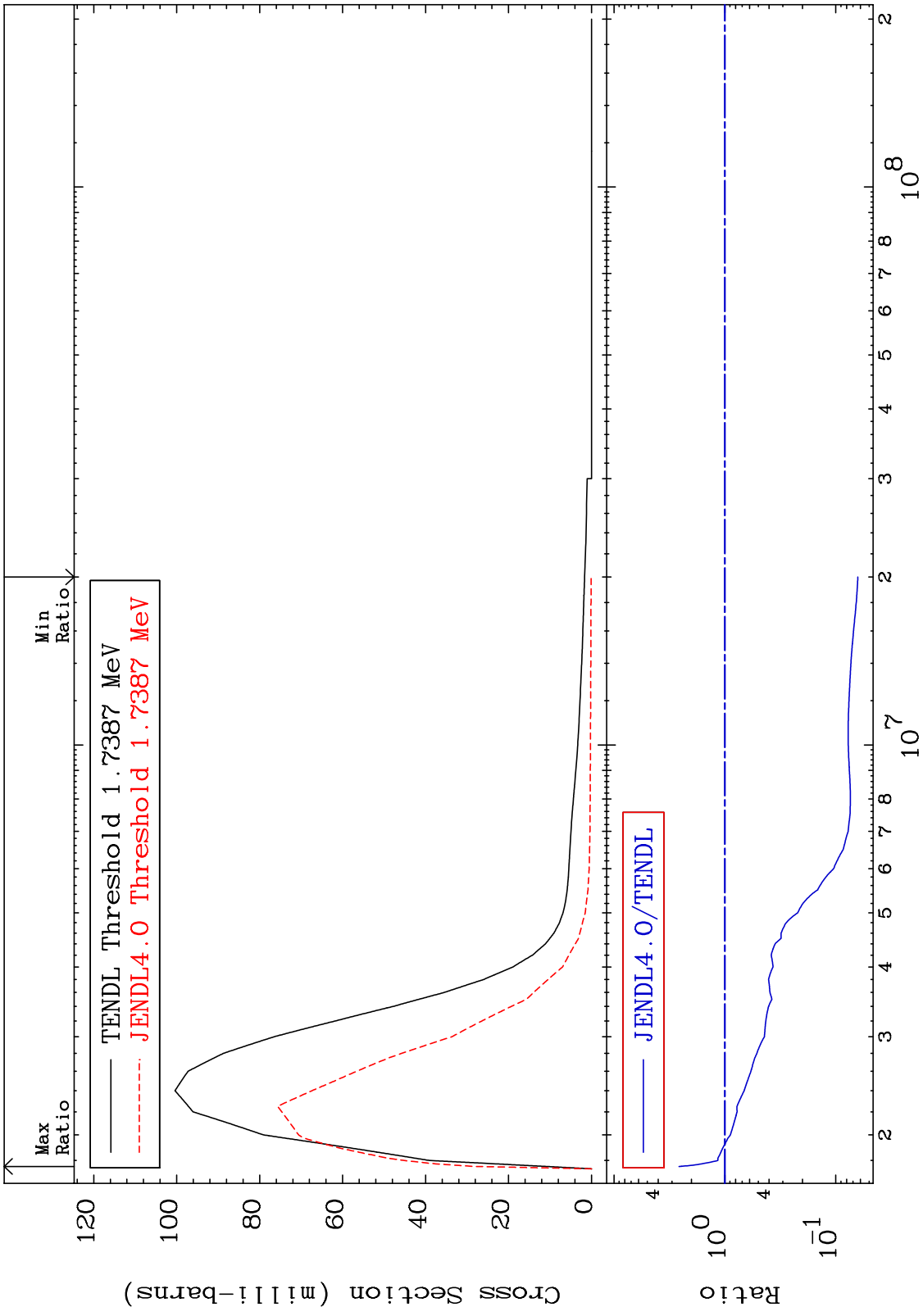
MAT 7637 MT= 74 (n,n') Level 76-Os-188
 Cross Section -64.05 To 9999. %



MAT 7637 MT= 75 (n,n') Level Cross Section 76-Os-188
 -53.75 To 9999. %



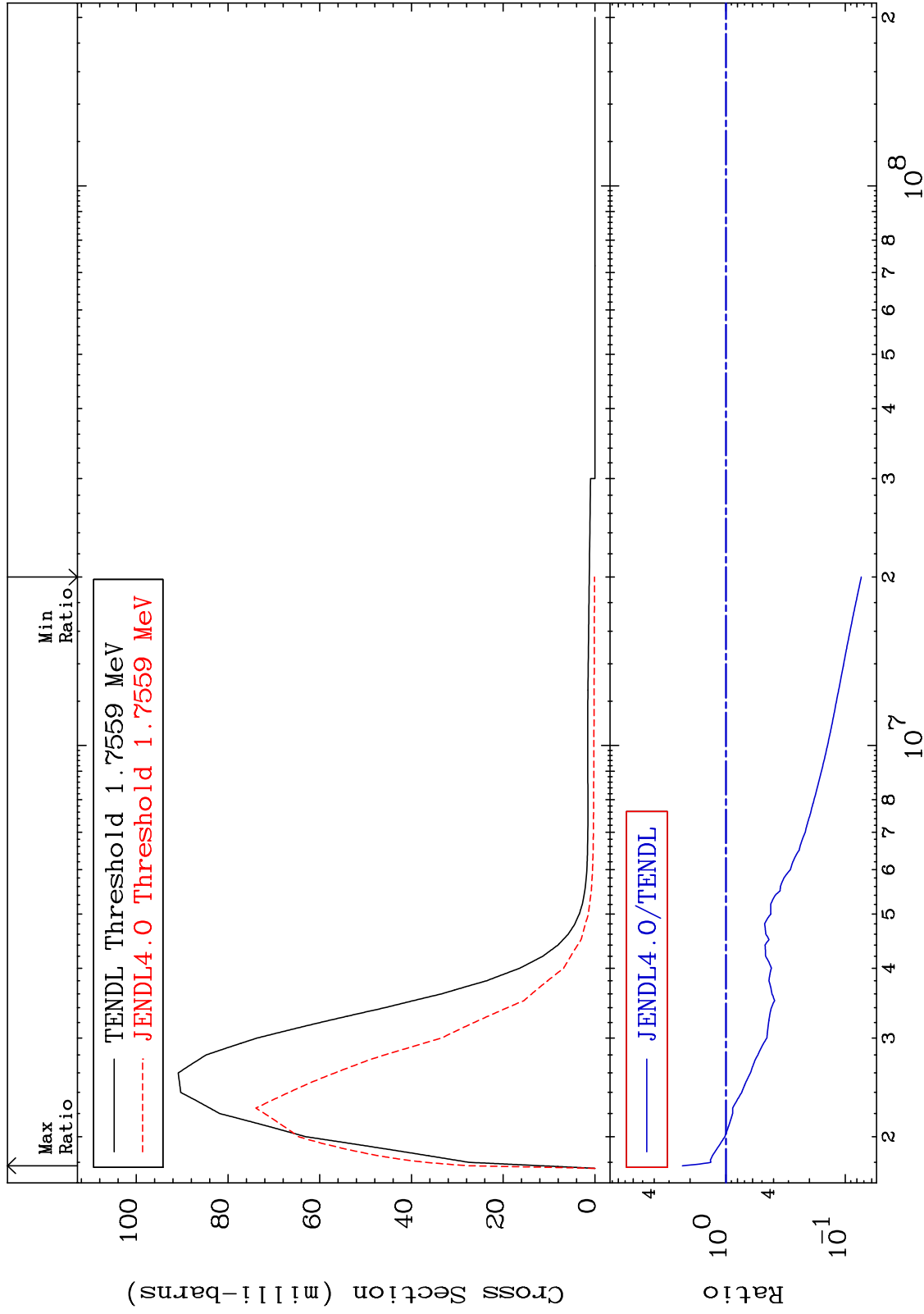
MAT 7637 MT= 76 (n,n') Level Cross Section 76-0s-188
 -93.67 To 159.1 %



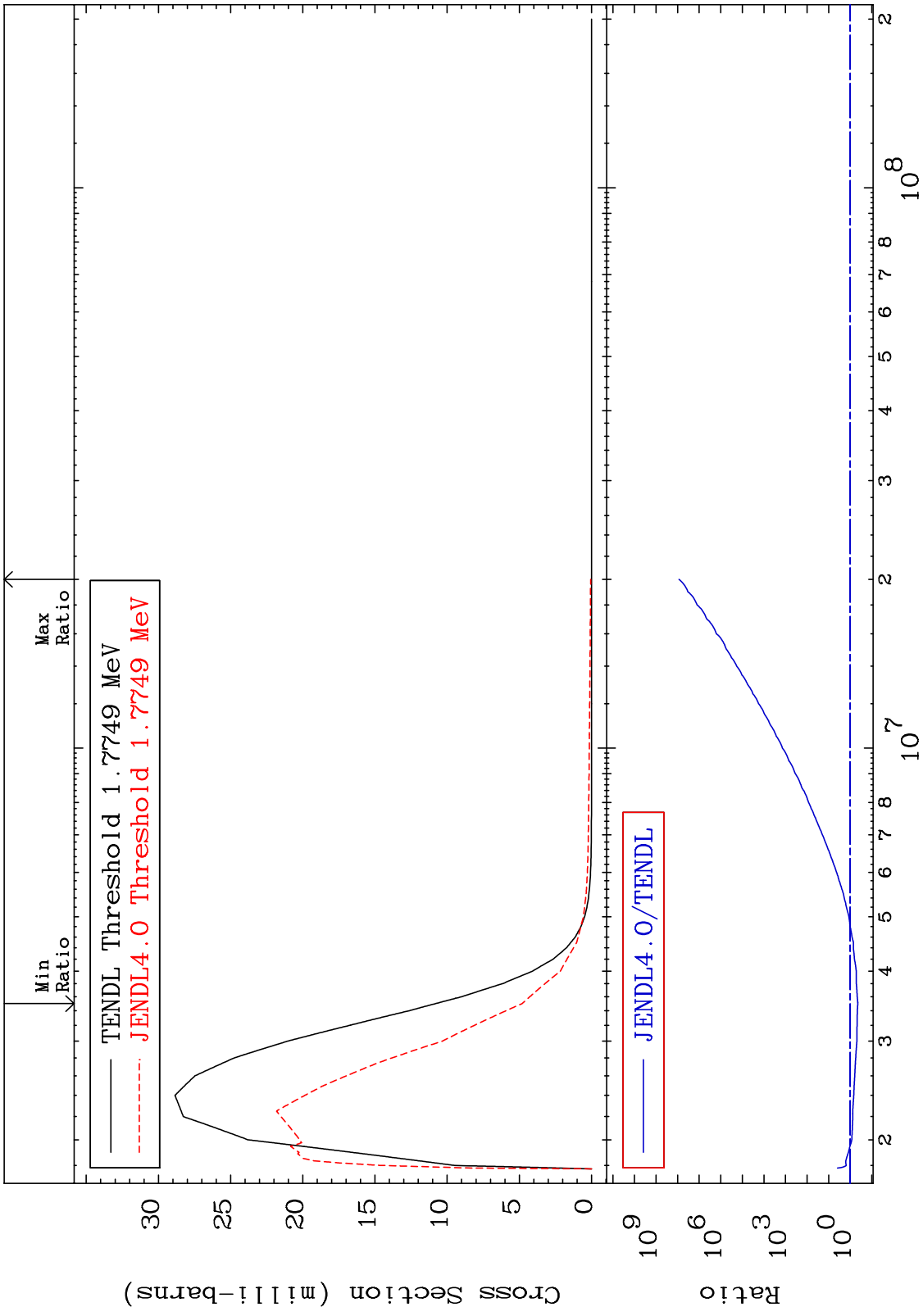
MAT 7637

MT= 77 (n,n') Level
Cross Section

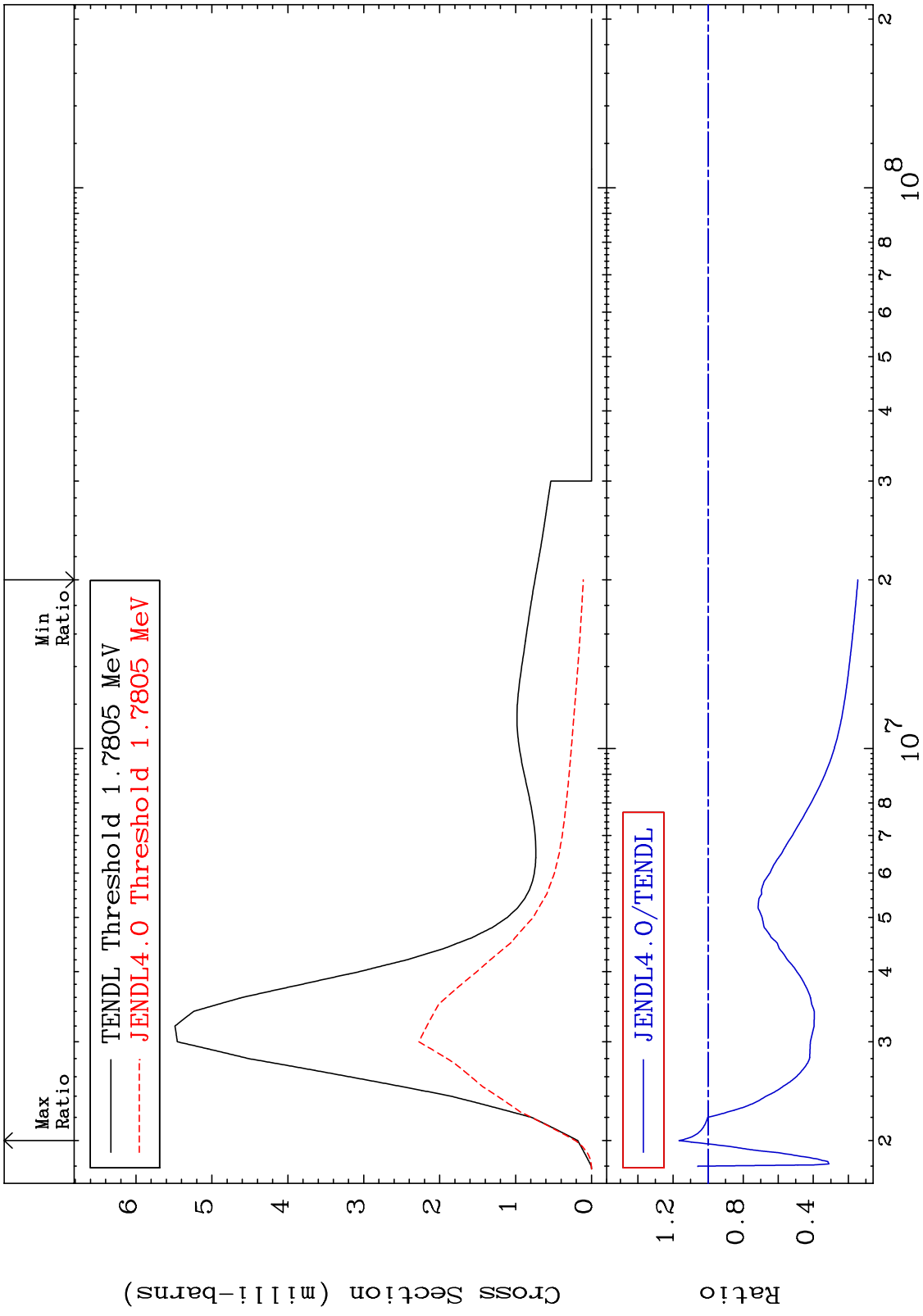
76-0s-188
-92.65 To 131.7 %



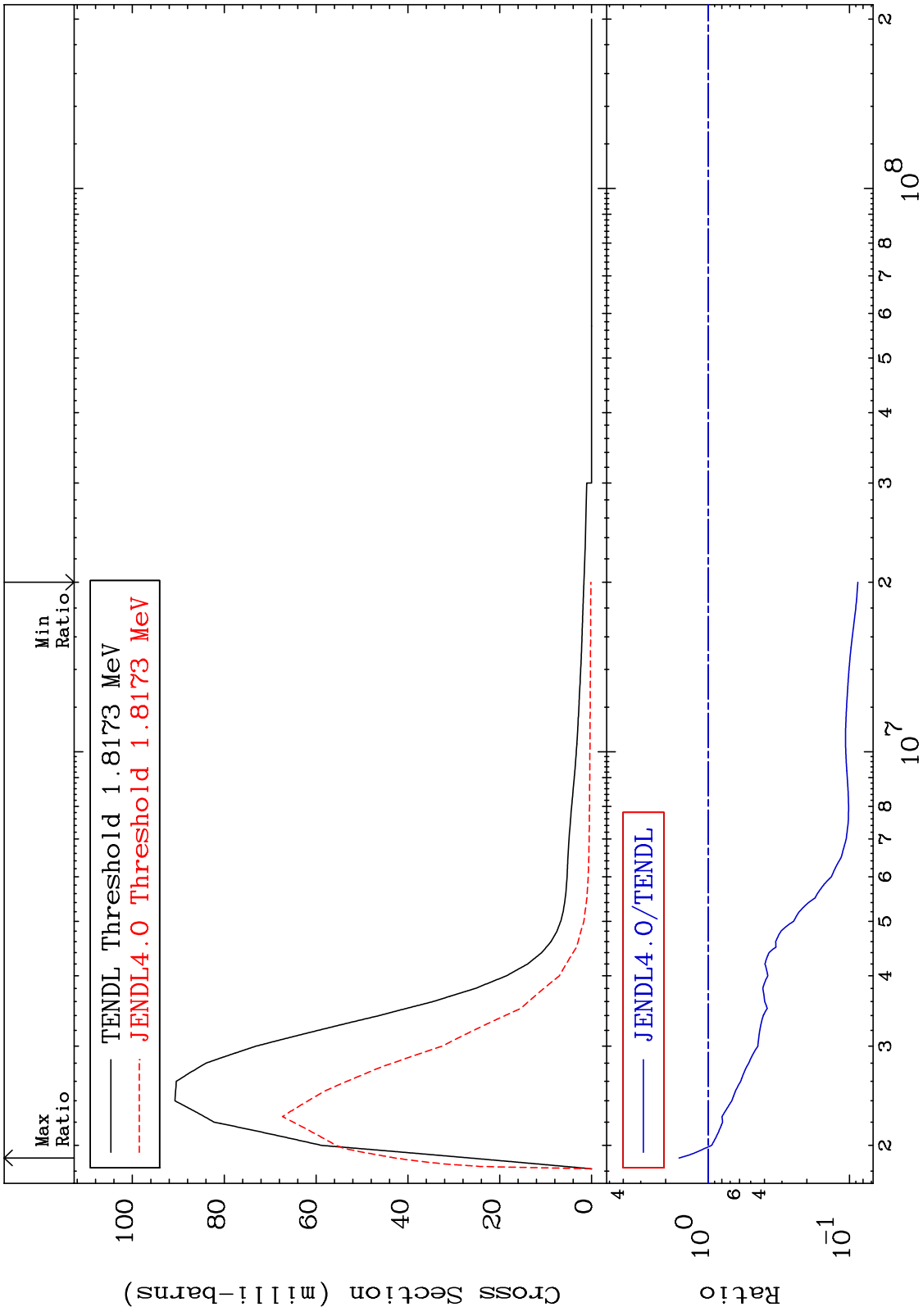
MAT 7637 MT= 78 (n,n') Level Cross Section 76-0s-188
 -55.53 To 9999. %



MAT 7637 MT= 79 (n,n') Level Cross Section 76-0s-188
 -85.41 To 16.55 %



MAT 7637 MT= 80 (n,n') Level Cross Section 76-0s-188
 -91.28 To 60.80 %

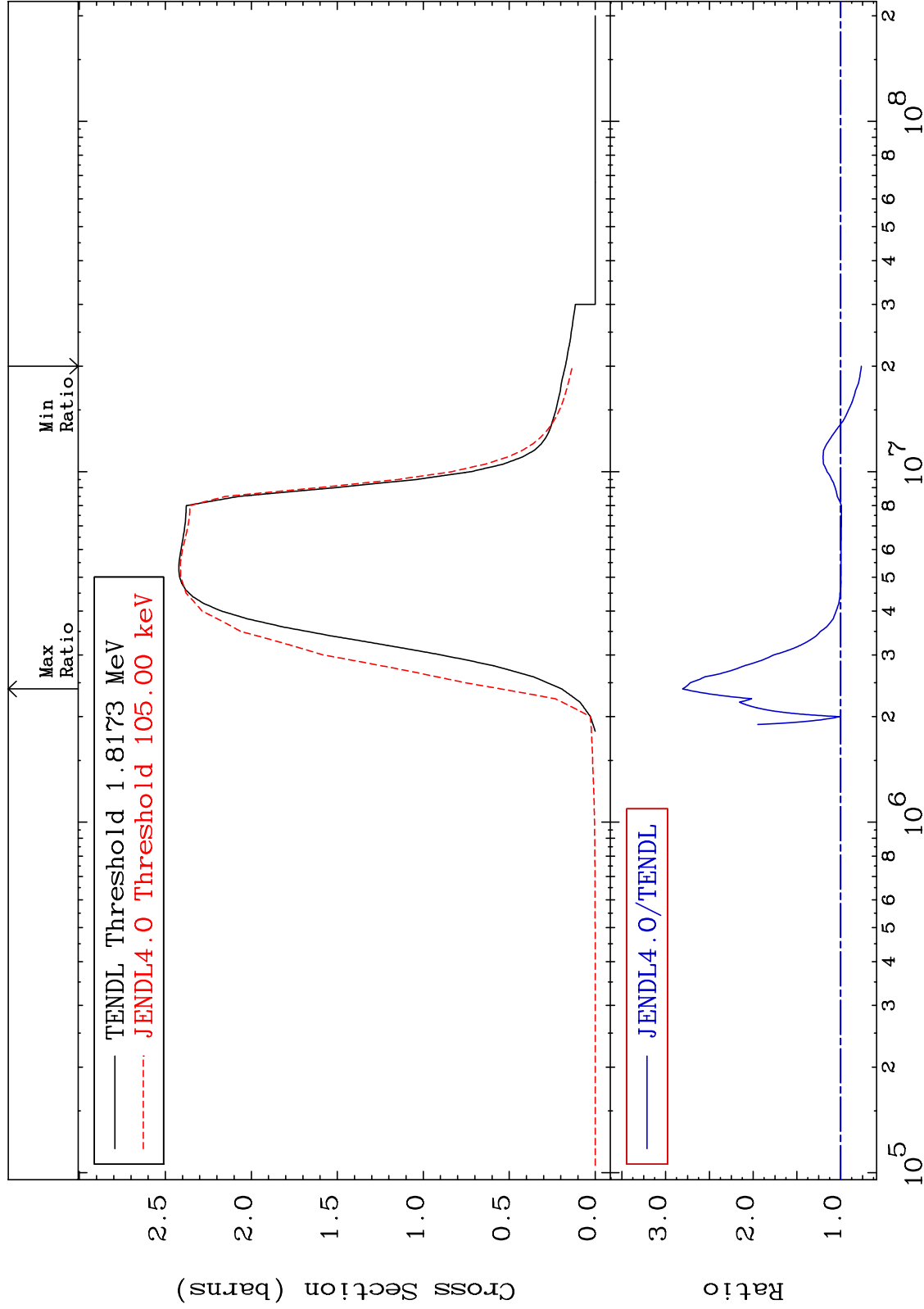


40 76-0s-188

MAT 7637

(n, n') Continuum
Cross Section

76-0s-188
-23.65 To 180.6 %

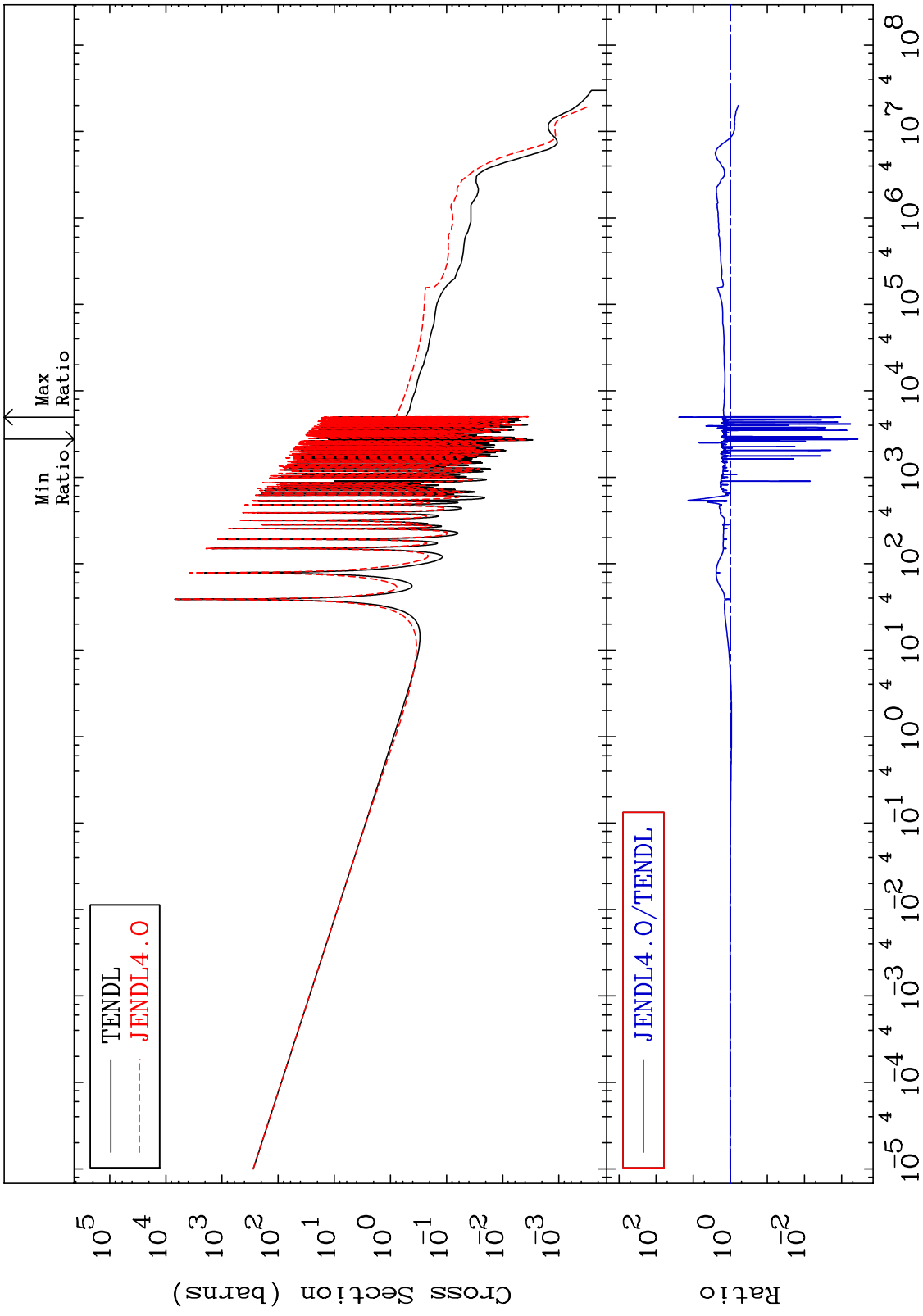


41

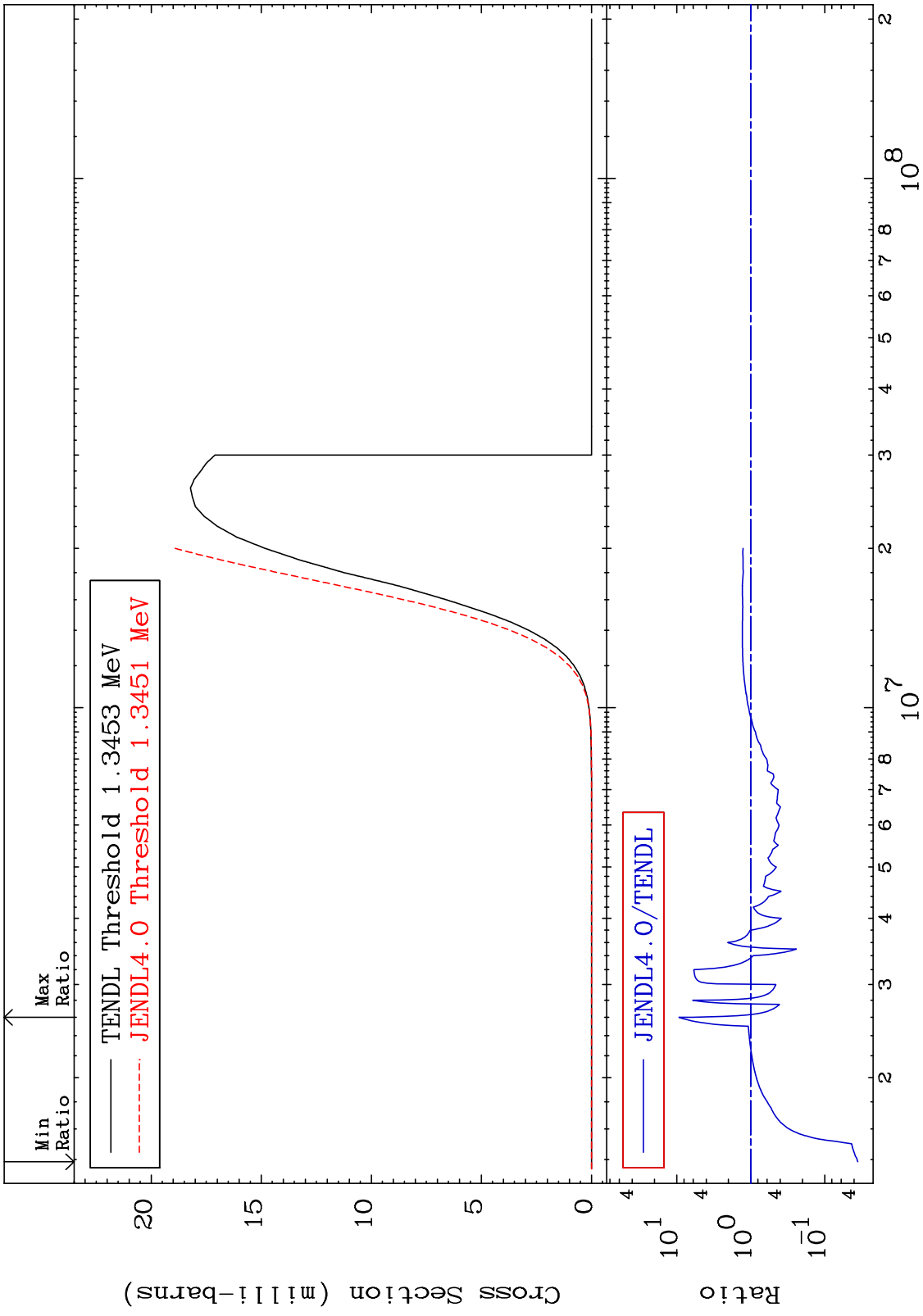
Incident Energy (eV)

76-0s-188

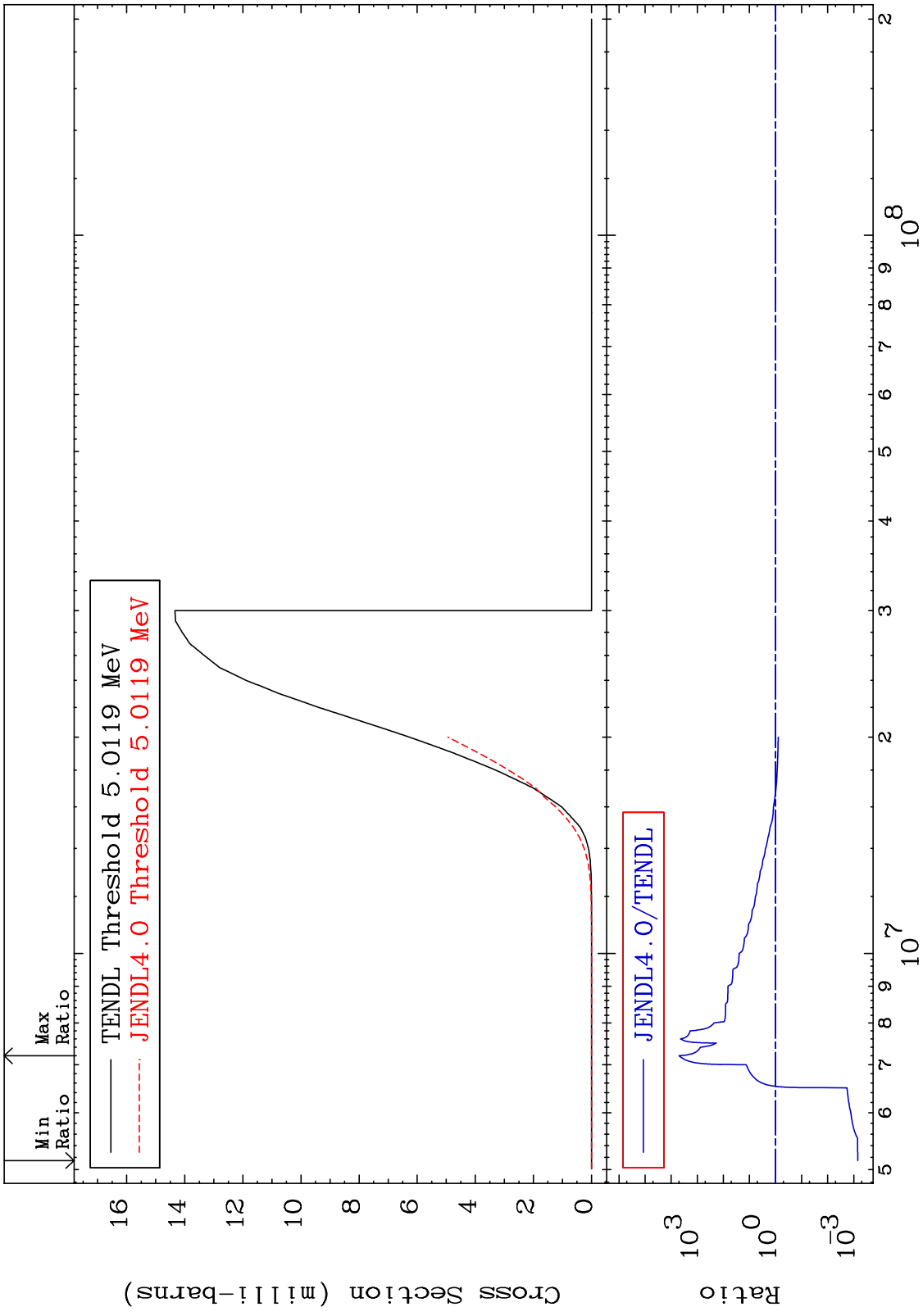
MAT 7637 (n, γ) Cross Section 76-0s-188 -99.96 To 2303. %

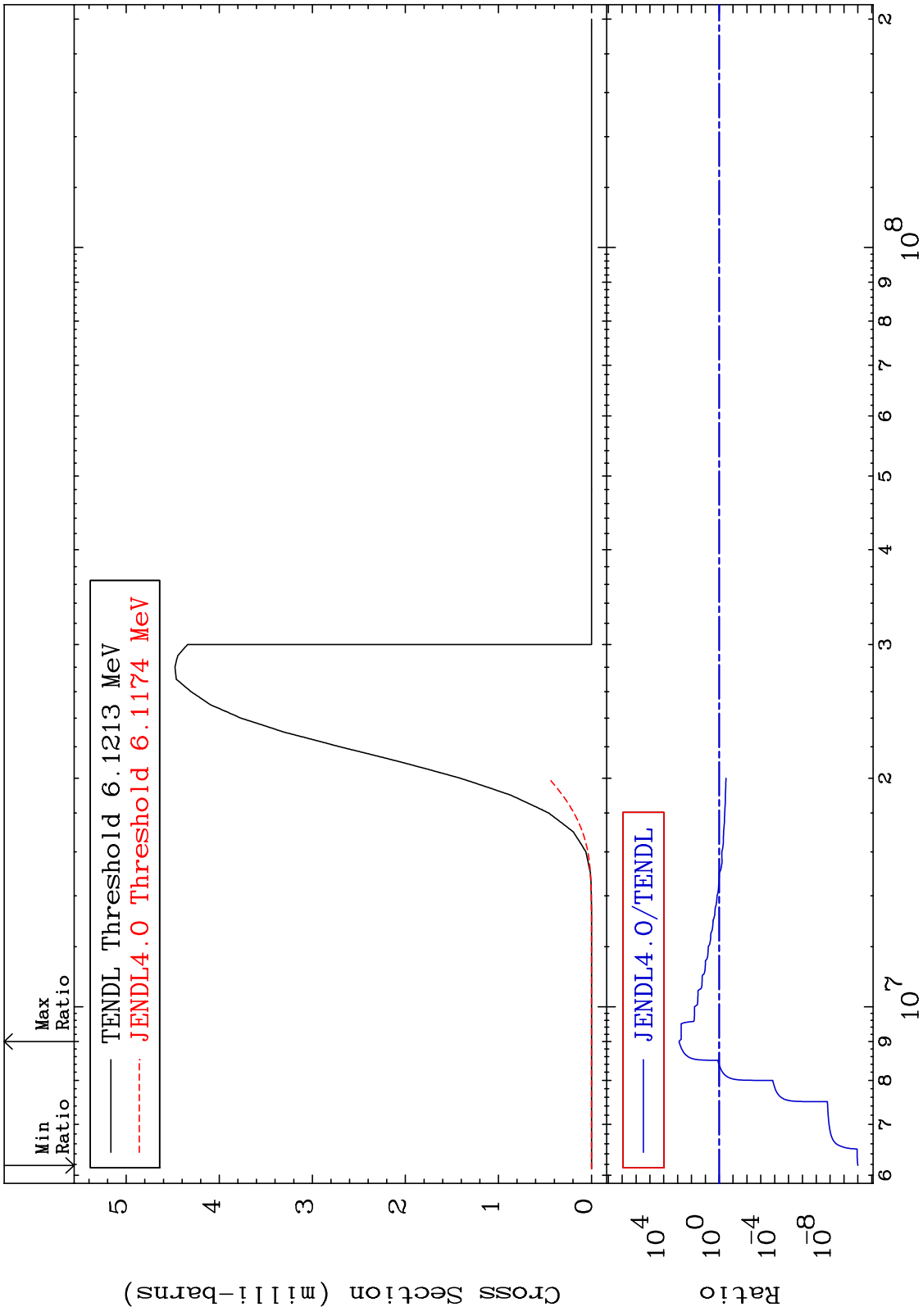


MAT 7637 (n,p) Cross Section 76-Os-188
 -96.43 To 831.6 %

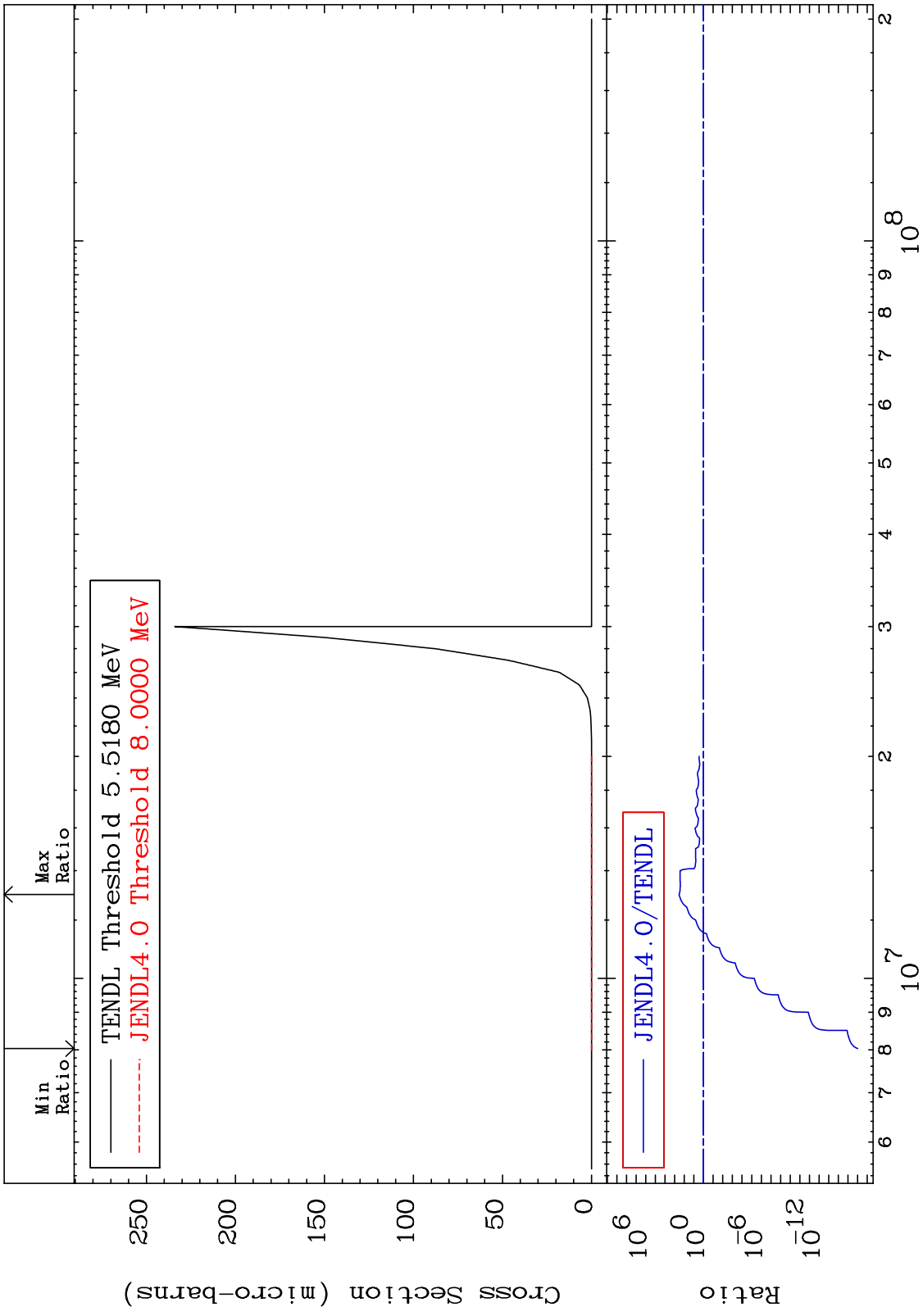


MAT 7637 (n,d) 76-Os-188
 Cross Section -99.93 To 9999. %





MAT 7637 (n, He-3) 76-Os-188
 Cross Section -100.0 To 9999. %



MAT 7637

(n, α)

76-Os-188

-98.16 To 9999. %

Cross Section

Min Ratio

Max Ratio

— TENDL
- - - JENDL4.0

10^{-2}

10^{-4}

10^{-6}

10^{-8}

10^{-10}

10^4

10^2

10^0

10^{-2}

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

JENDL4.0/TENDL

10^4

10^2

10^0

10^{-2}

47

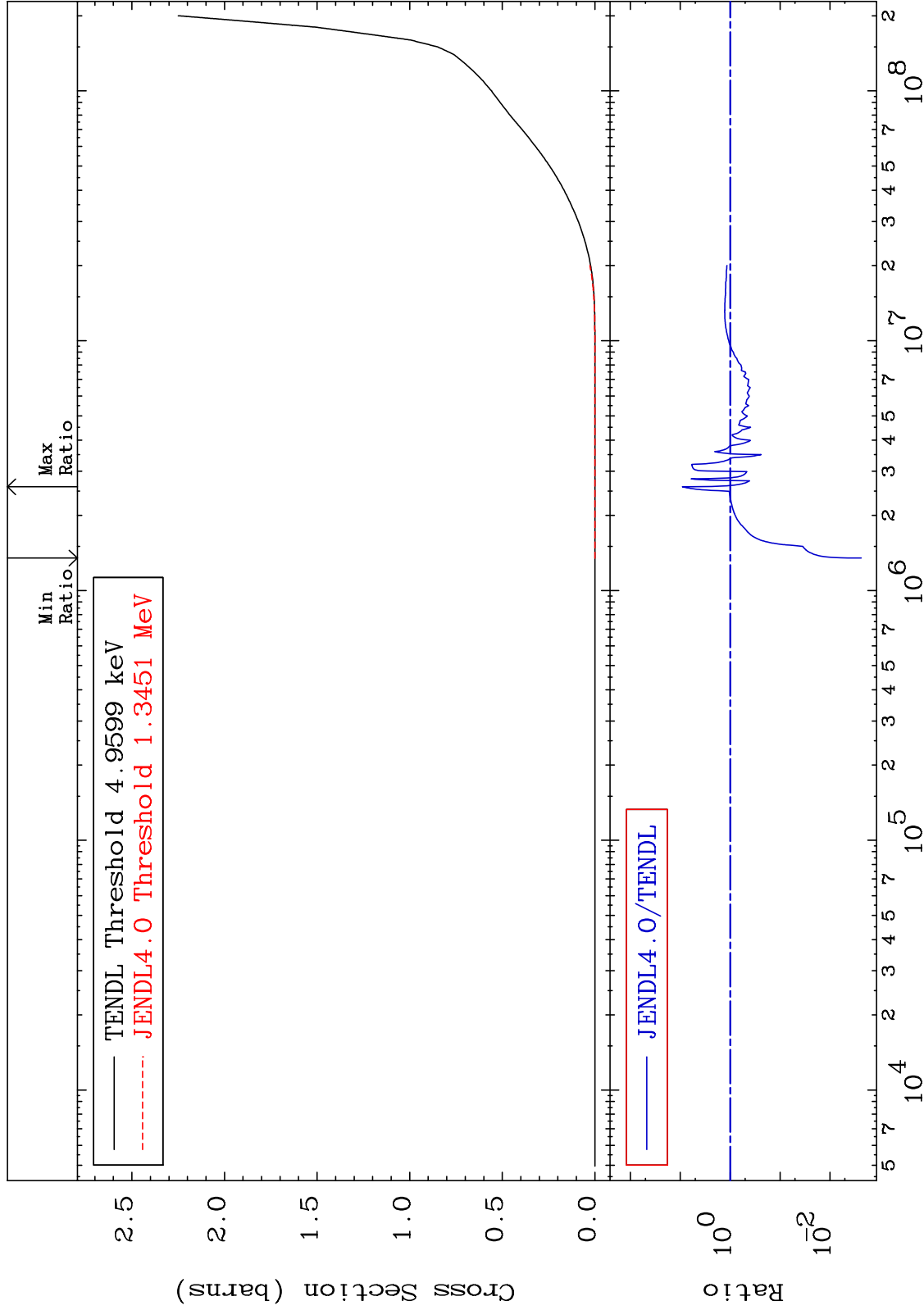
Incident Energy (eV)

76-Os-188

MAT 7637

Hydrogen Production
Cross Section

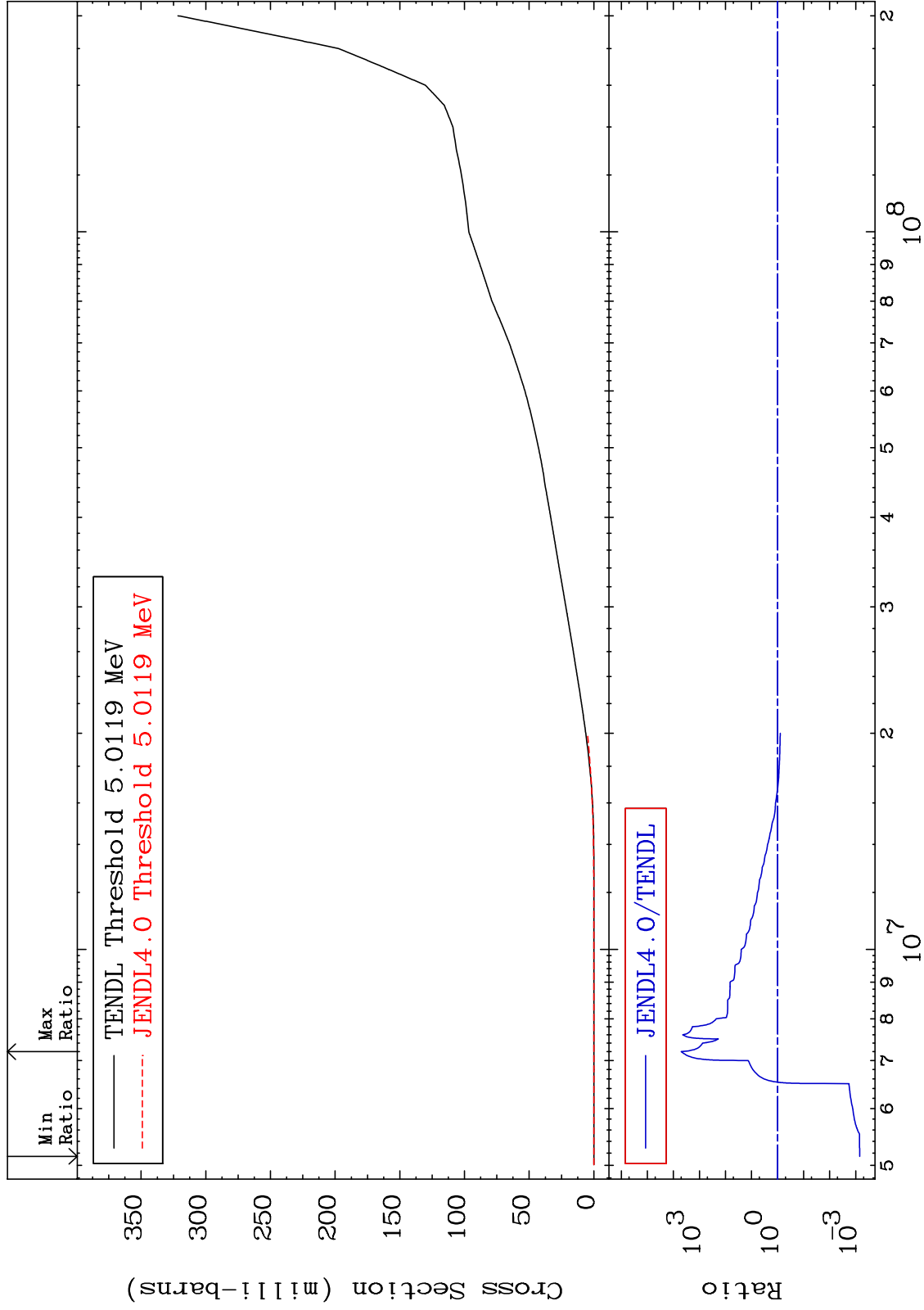
76-0s-188
-99.77 To 804.9 %



MAT 7637

Deuterium Production
Cross Section

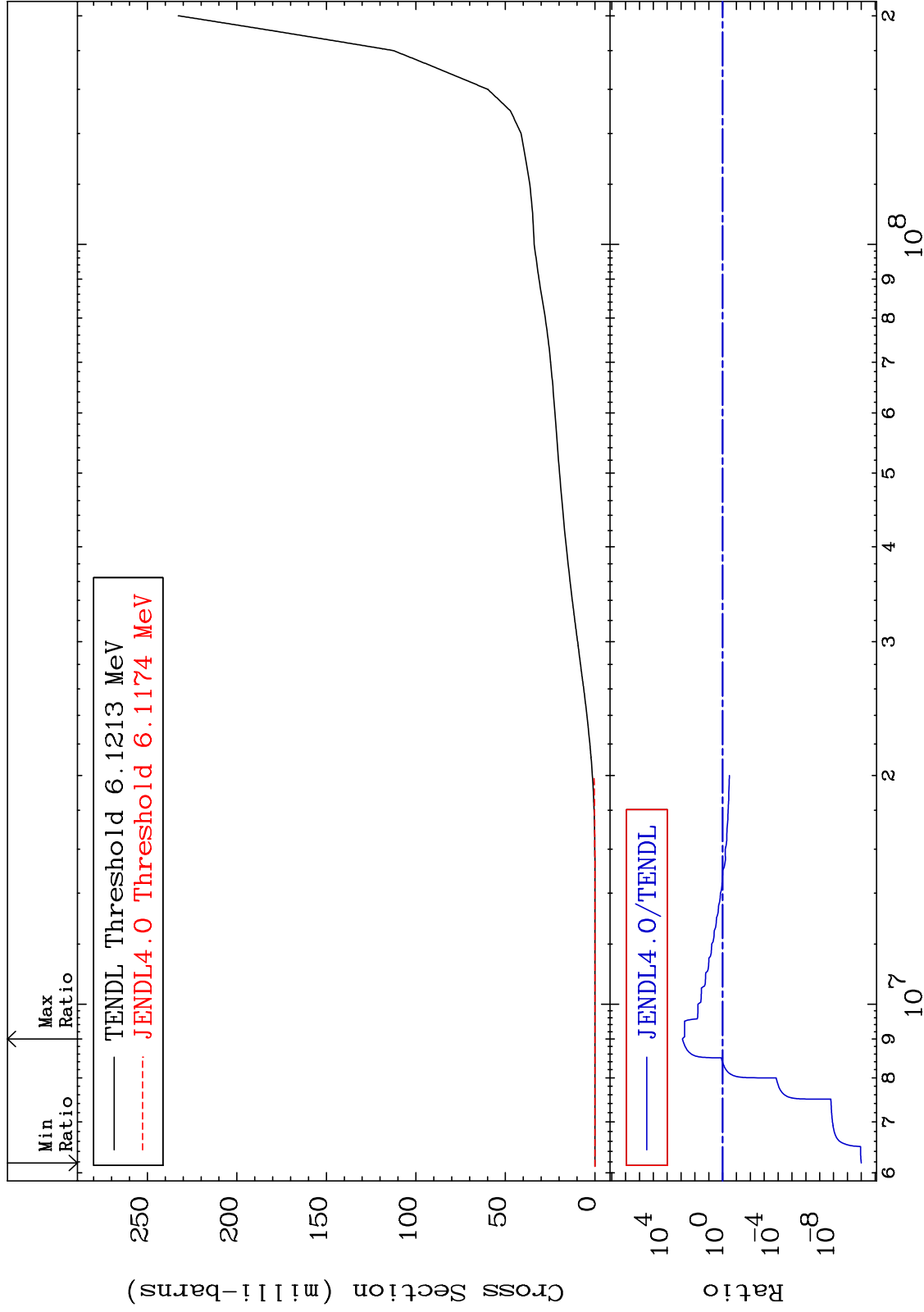
76-Os-188
-99.93 To 9999. %



MAT 7637

Tritium Production
Cross Section

76-0s-188
-100.0 To 9999. %



50

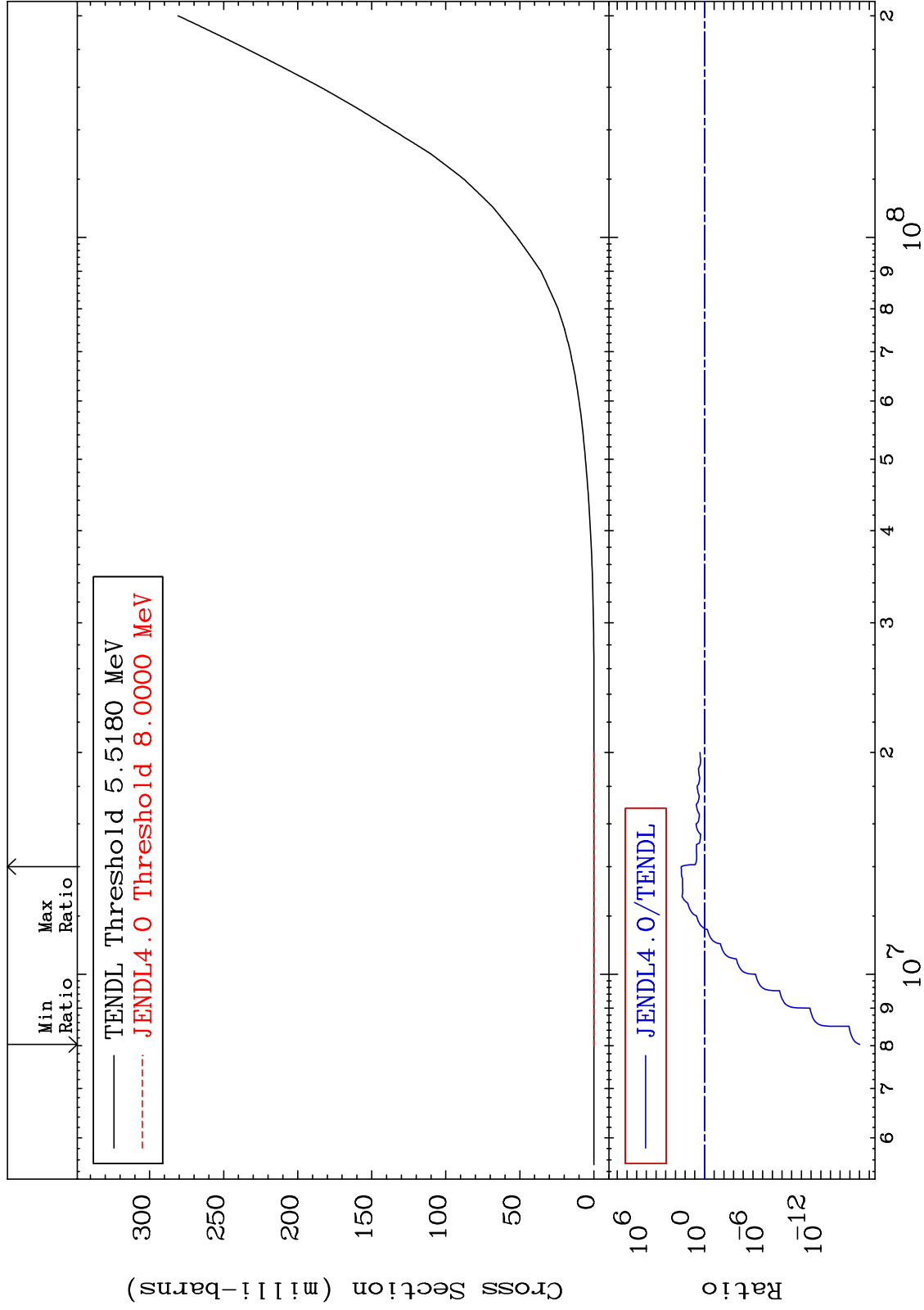
Incident Energy (eV)

76-0s-188

MAT 7637

He-3 Production
Cross Section

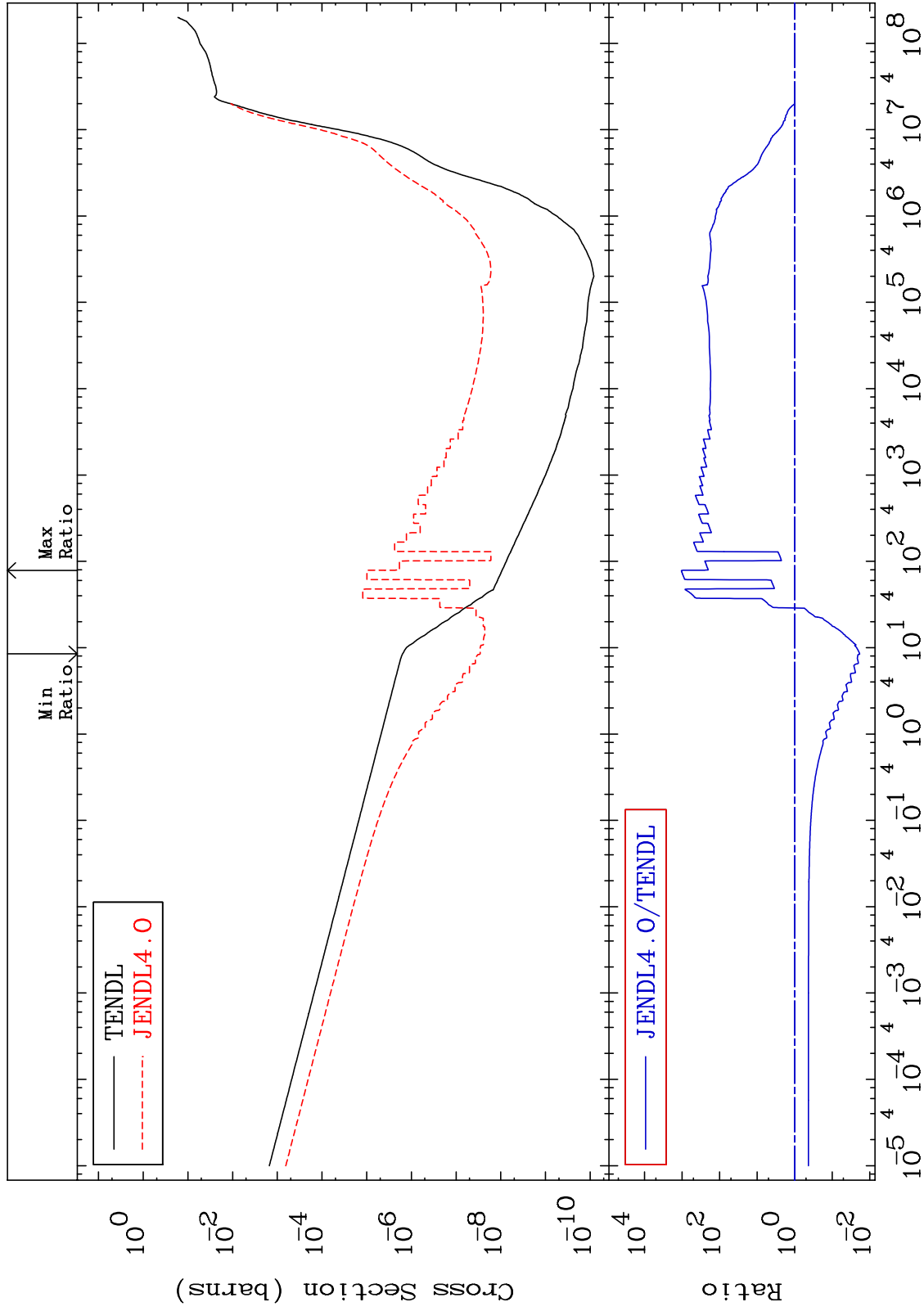
76-Os-188
-100.0 To 9999. %



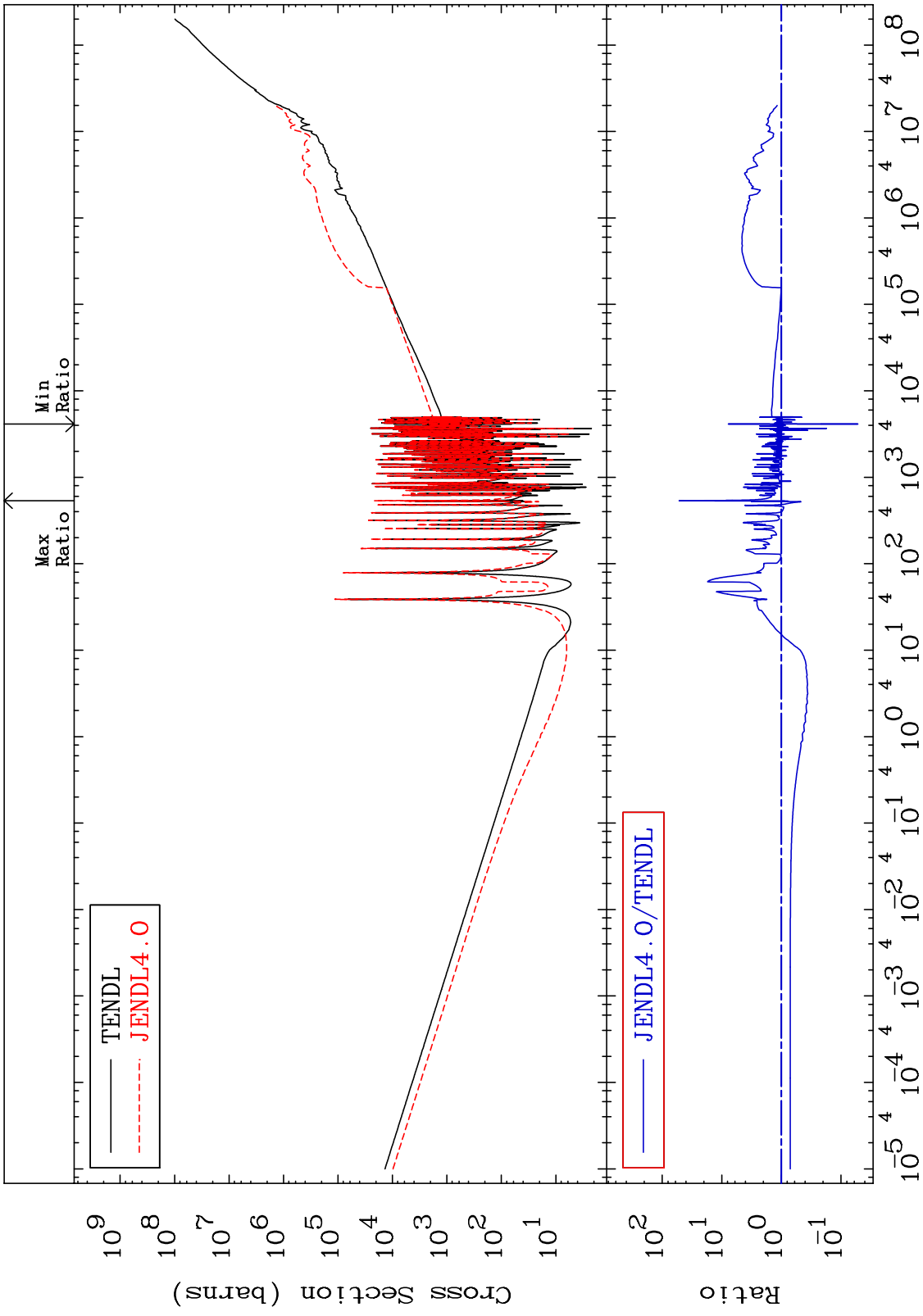
MAT 7637

He-4 Production
Cross Section

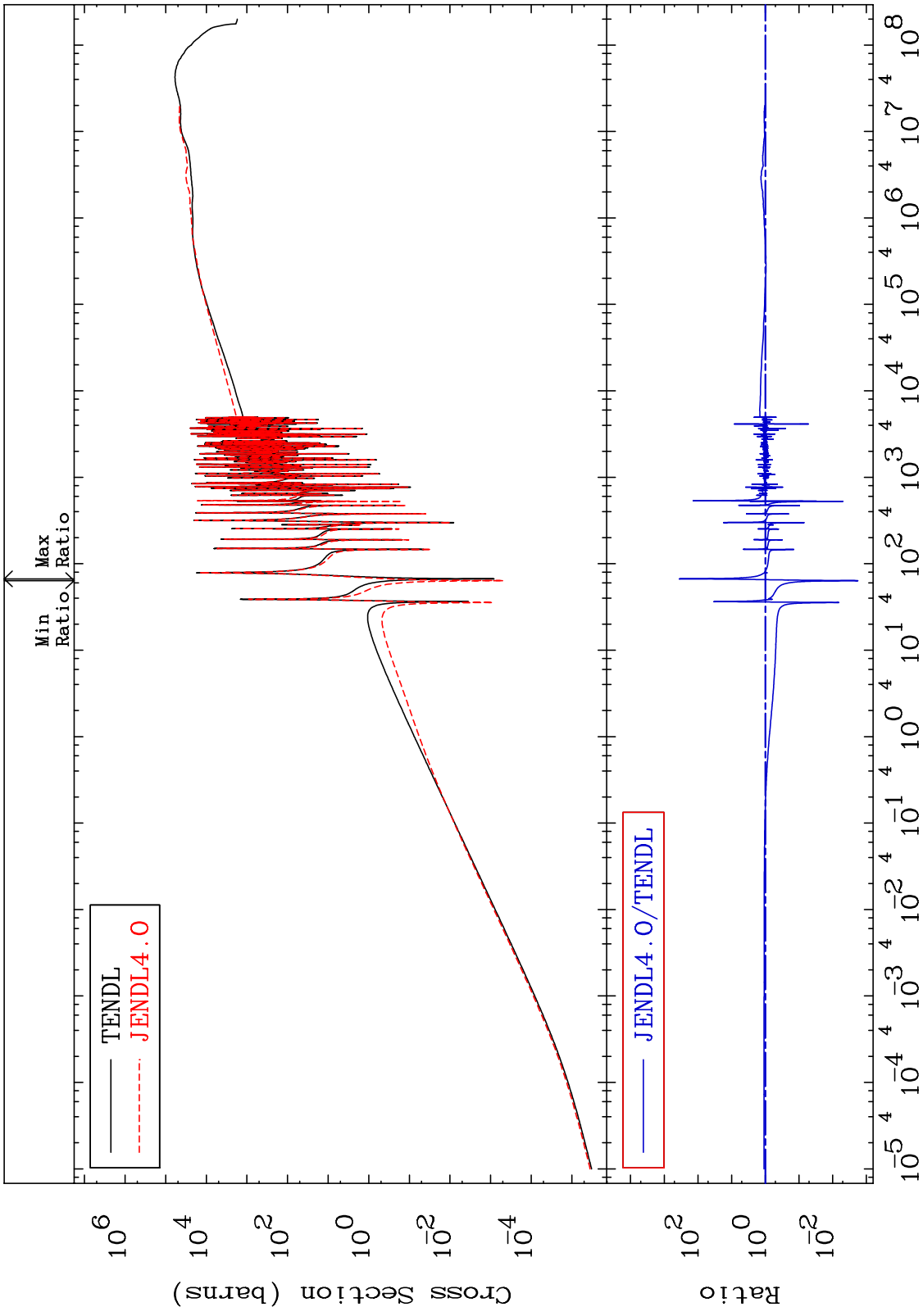
76-0s-188
-98.16 To 9999. %



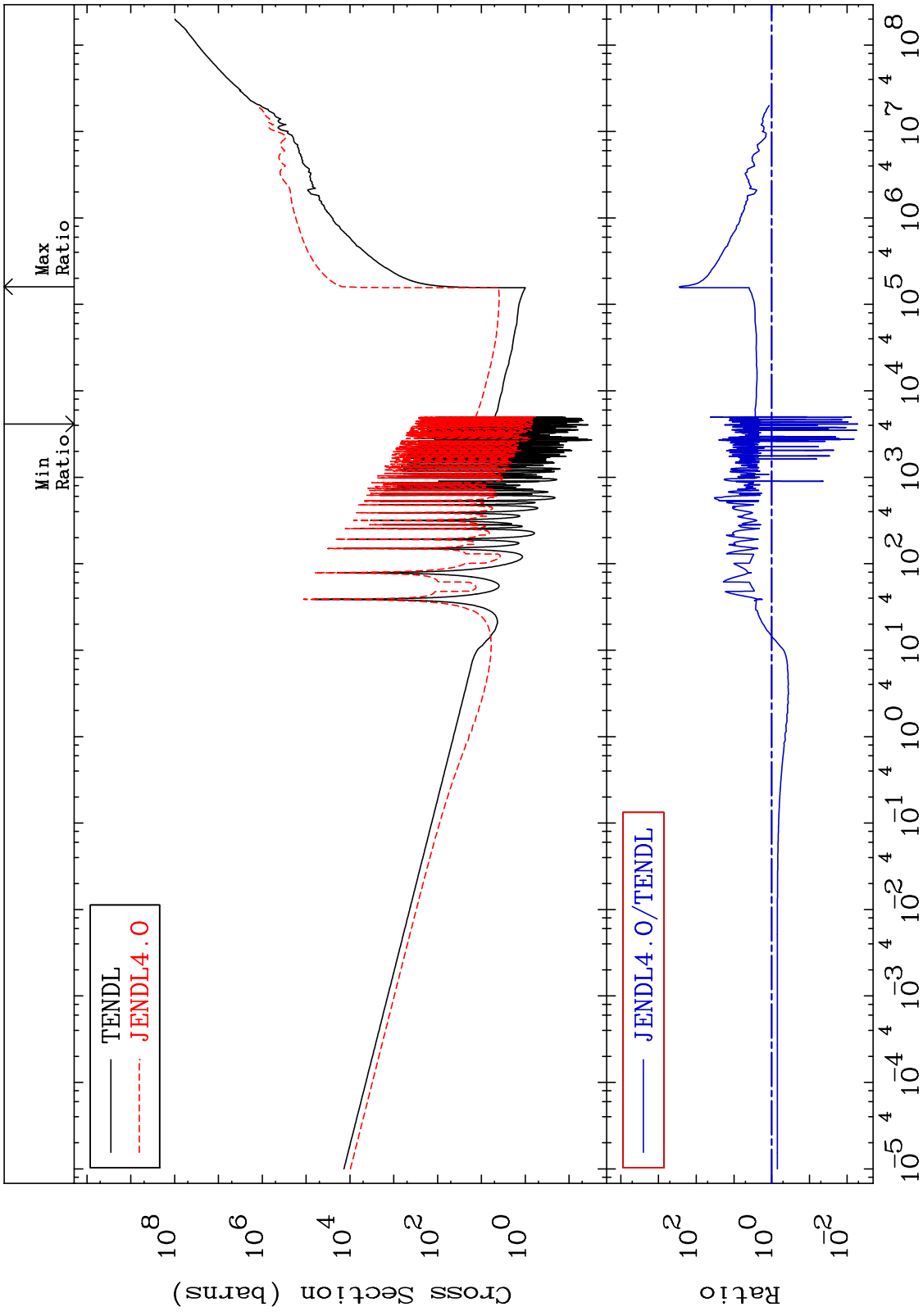
MAT 7637 Kerma total (eV-barns) 76-Os-188
 Cross Section -94.78 To 5109. %



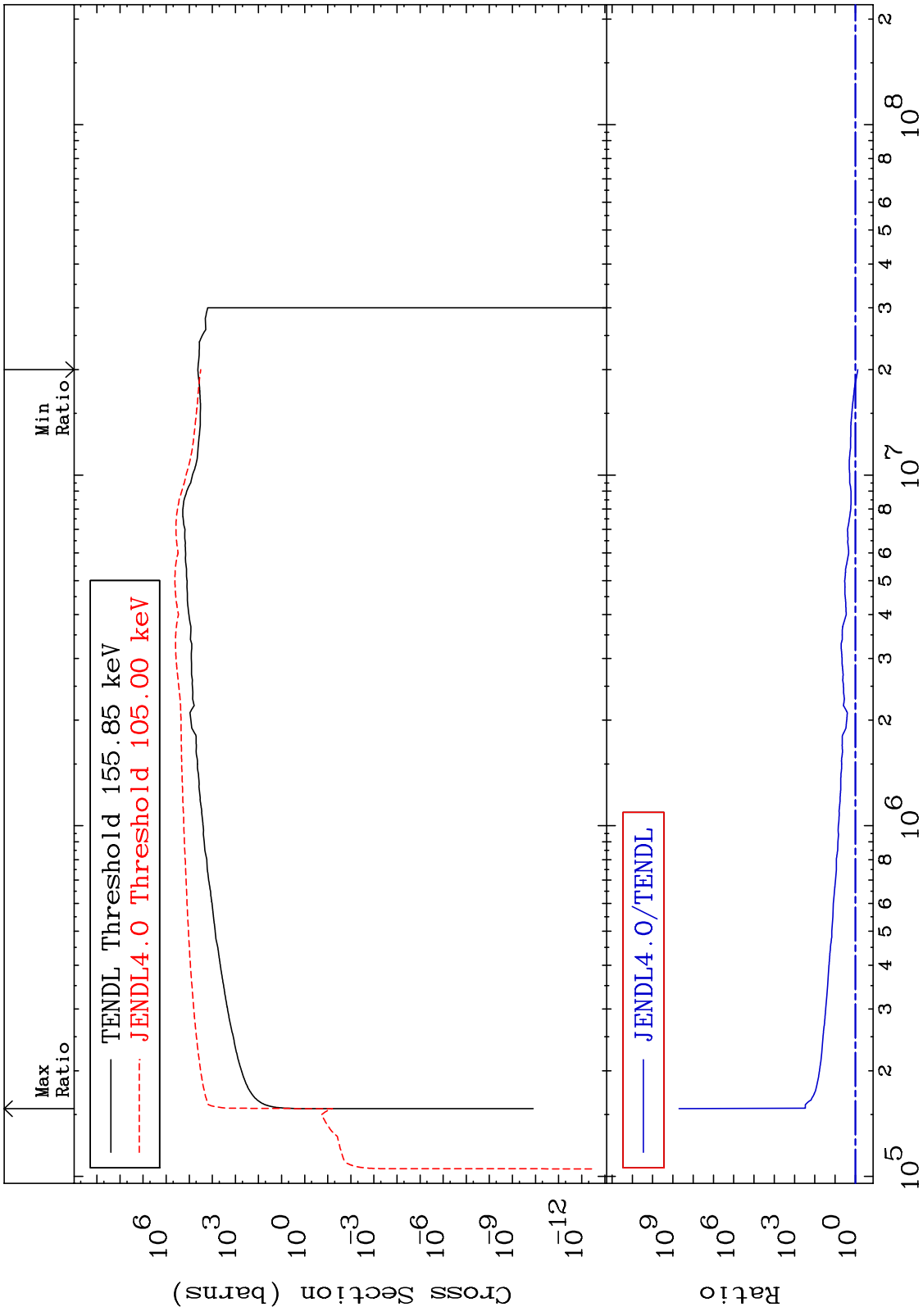
MAT 7637 Kerma elastic Cross Section 76-Os-188
 -99.82 To 9999. %



MAT 7637 Kerma non-elastic (all but mt2) 76-Os-188
 Cross Section -99.48 To 9999. %



MAT 7637 Kerma inelastic (mt51-91) 76-Os-188
 Cross Section -24.42 To 9999. %

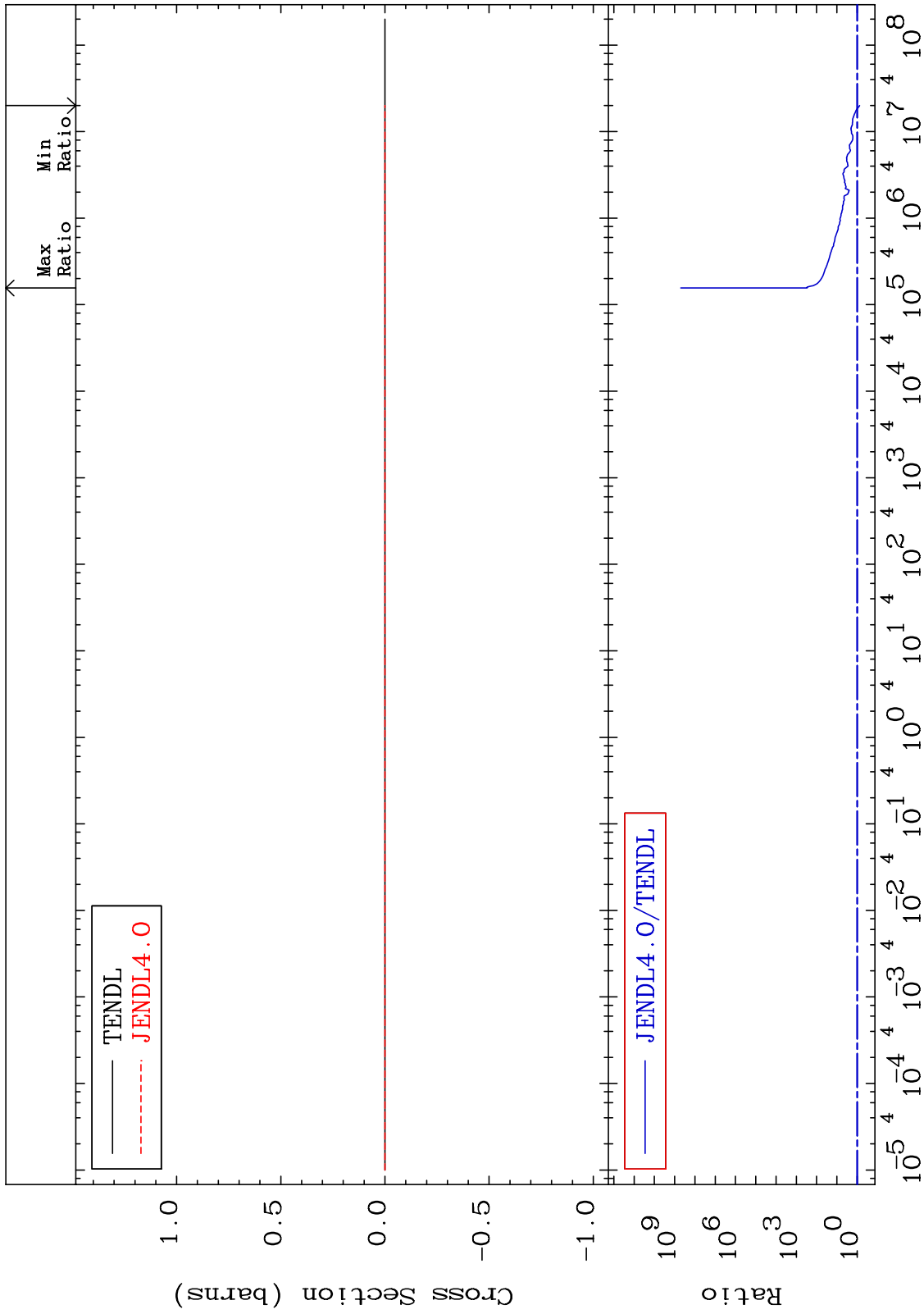


56 76-Os-188

MAT 7637

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

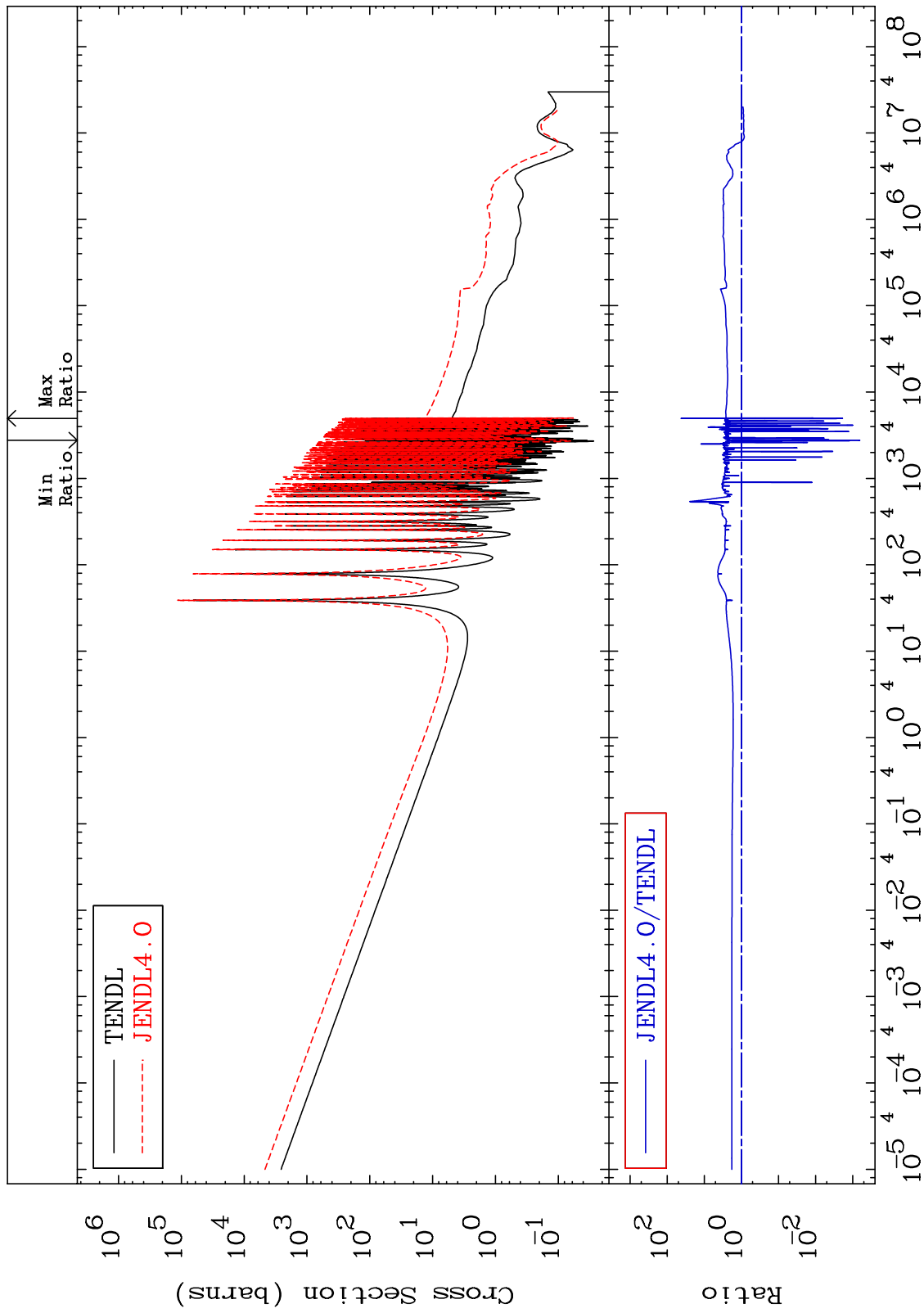
76-0s-188
-24.42 To 9999. %



MAT 7637

Kerma capture (mt102)
Cross Section

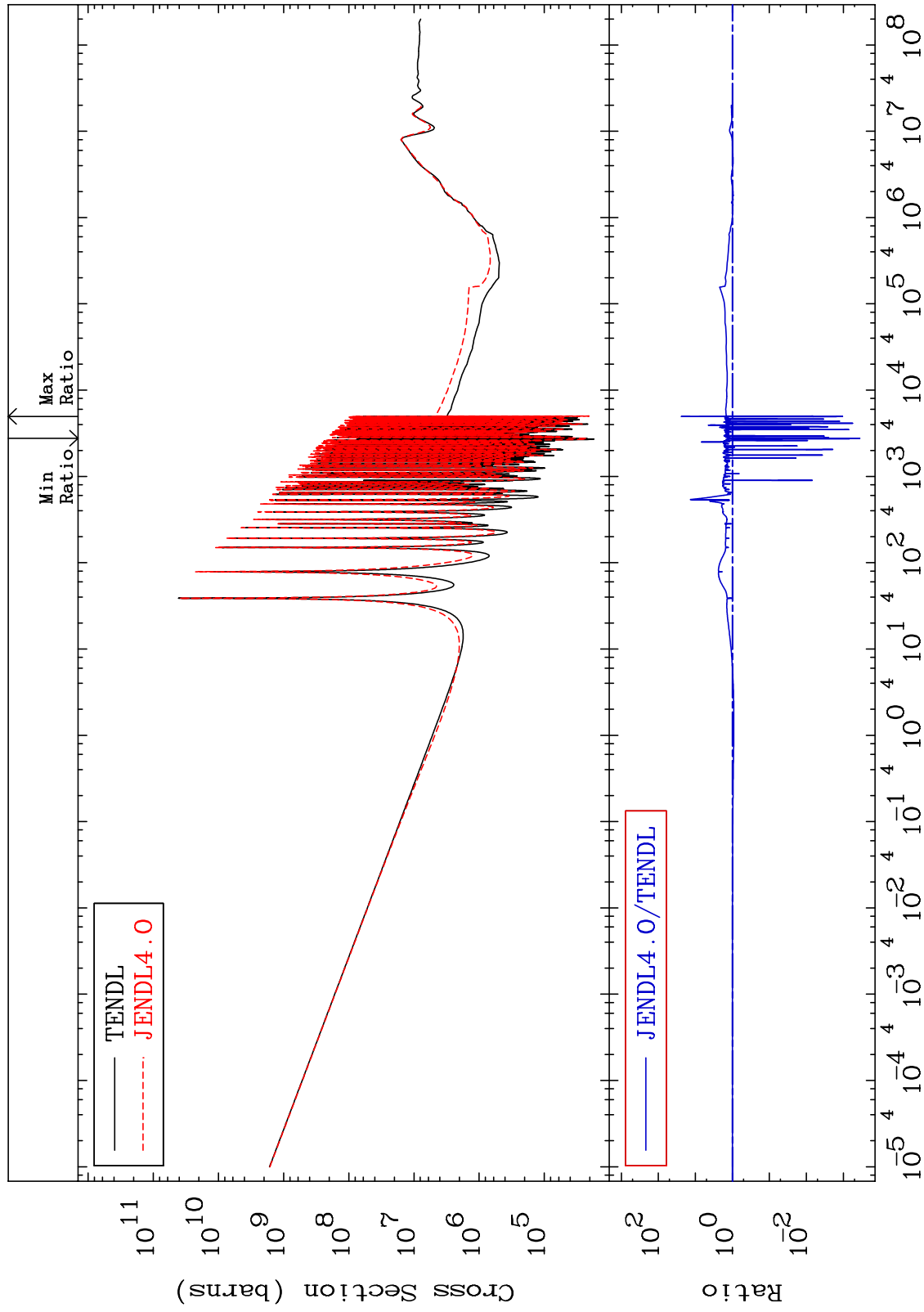
76-0s-188
-99.94 To 4090. %



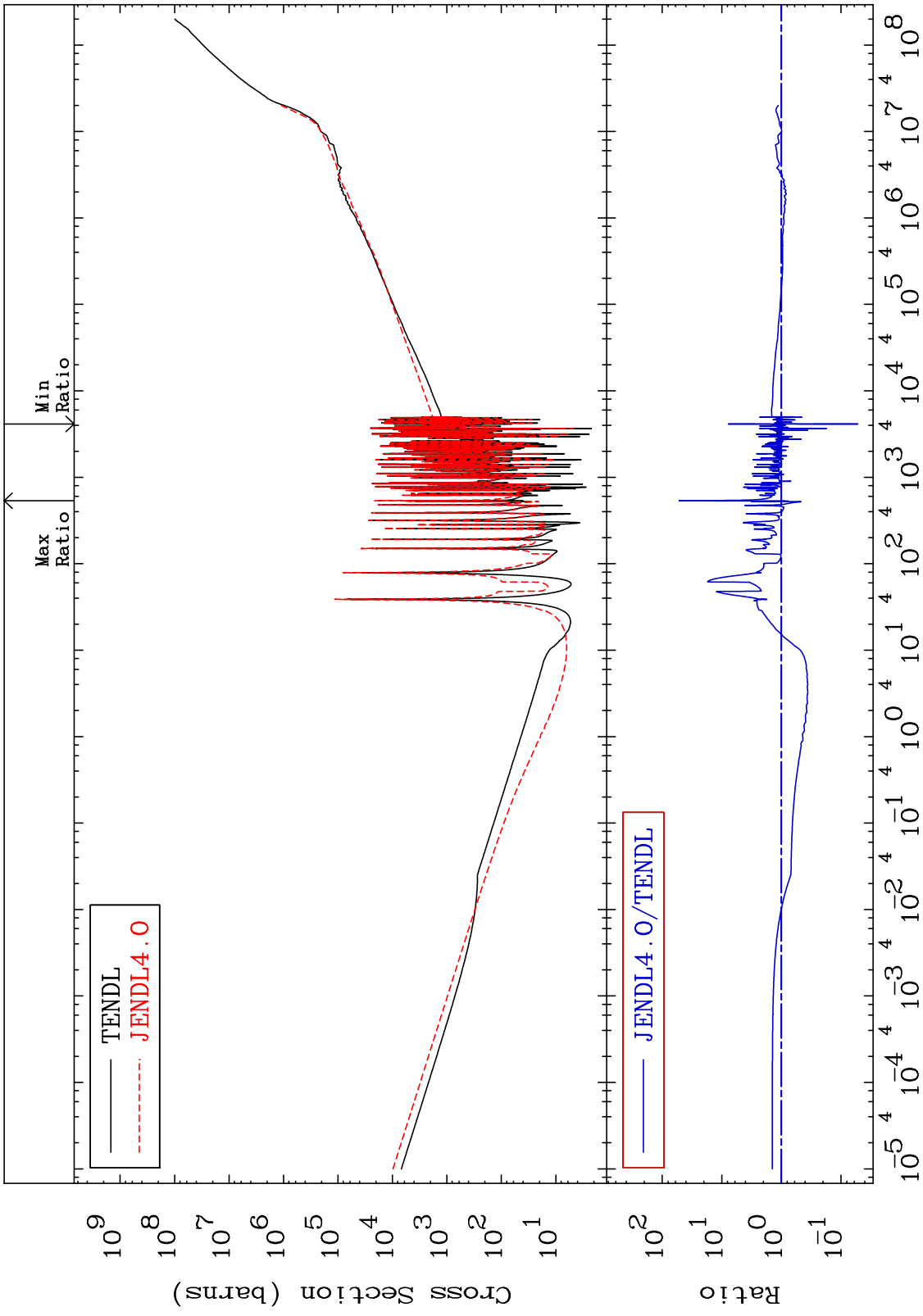
MAT 7637

Total photon (eV-barns)
Cross Section

76-0s-188
-99.96 To 2273. %



MAT 7637 Total kinematic kerma (high limit) 76-Os-188
 Cross Section -94.78 To 5109. %

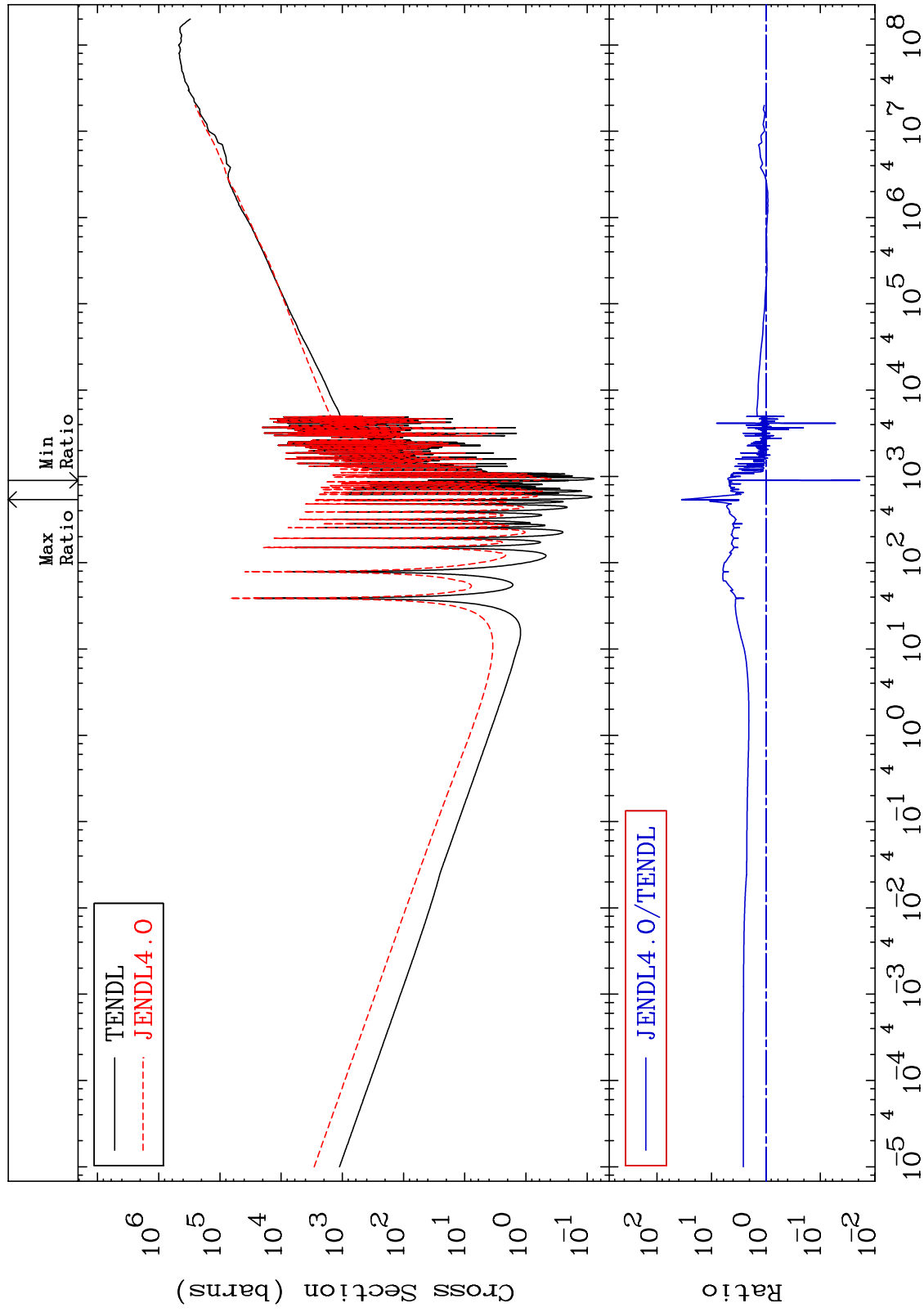


60 Incident Energy (eV) 76-Os-188

MAT 7637

Dpa total (eV-barns)
Cross Section

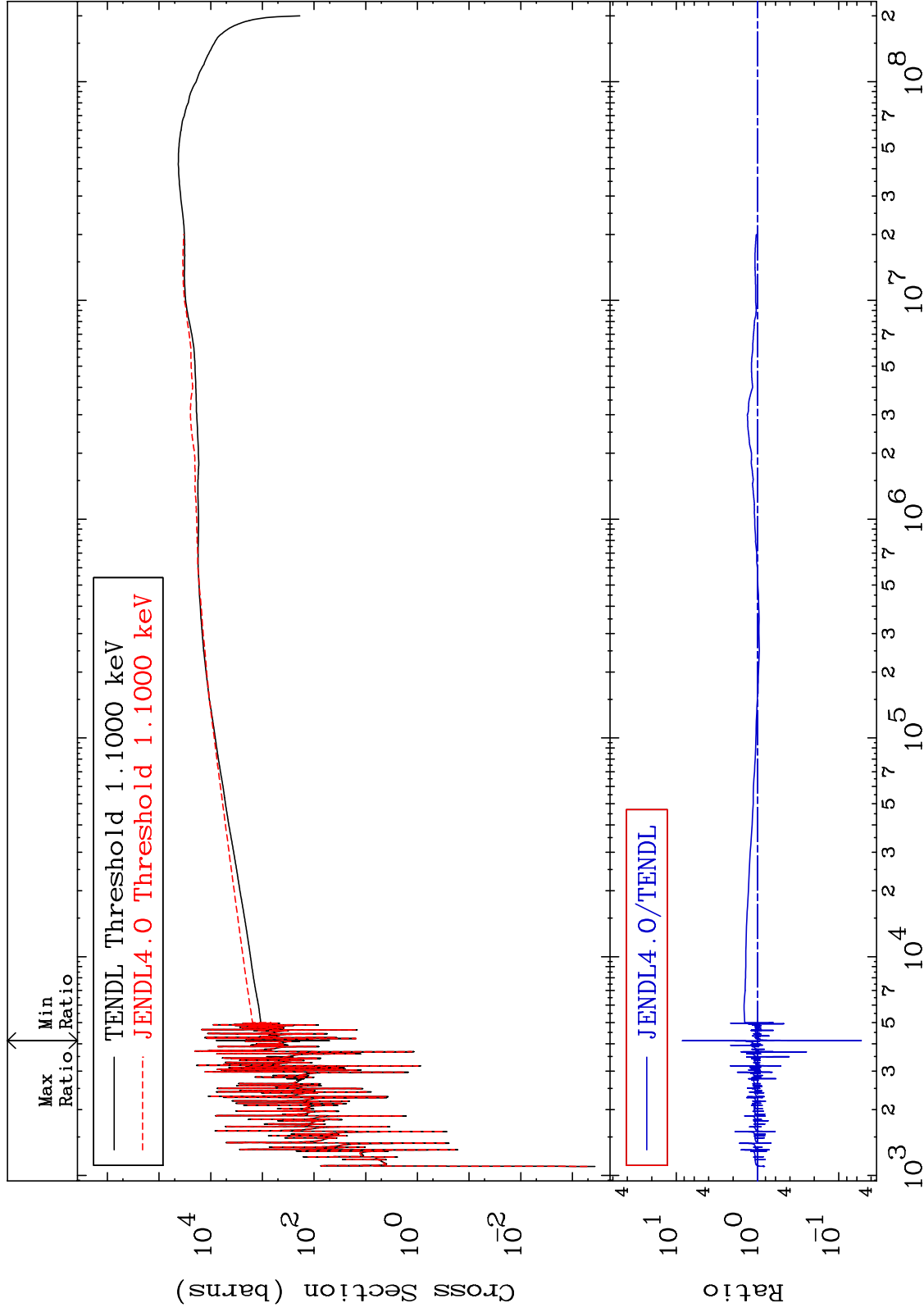
76-0s-188
-98.12 To 3457. %



MAT 7637

Dpa elastic (mt2)
Cross Section

76-0s-188
-94.71 To 737.0 %

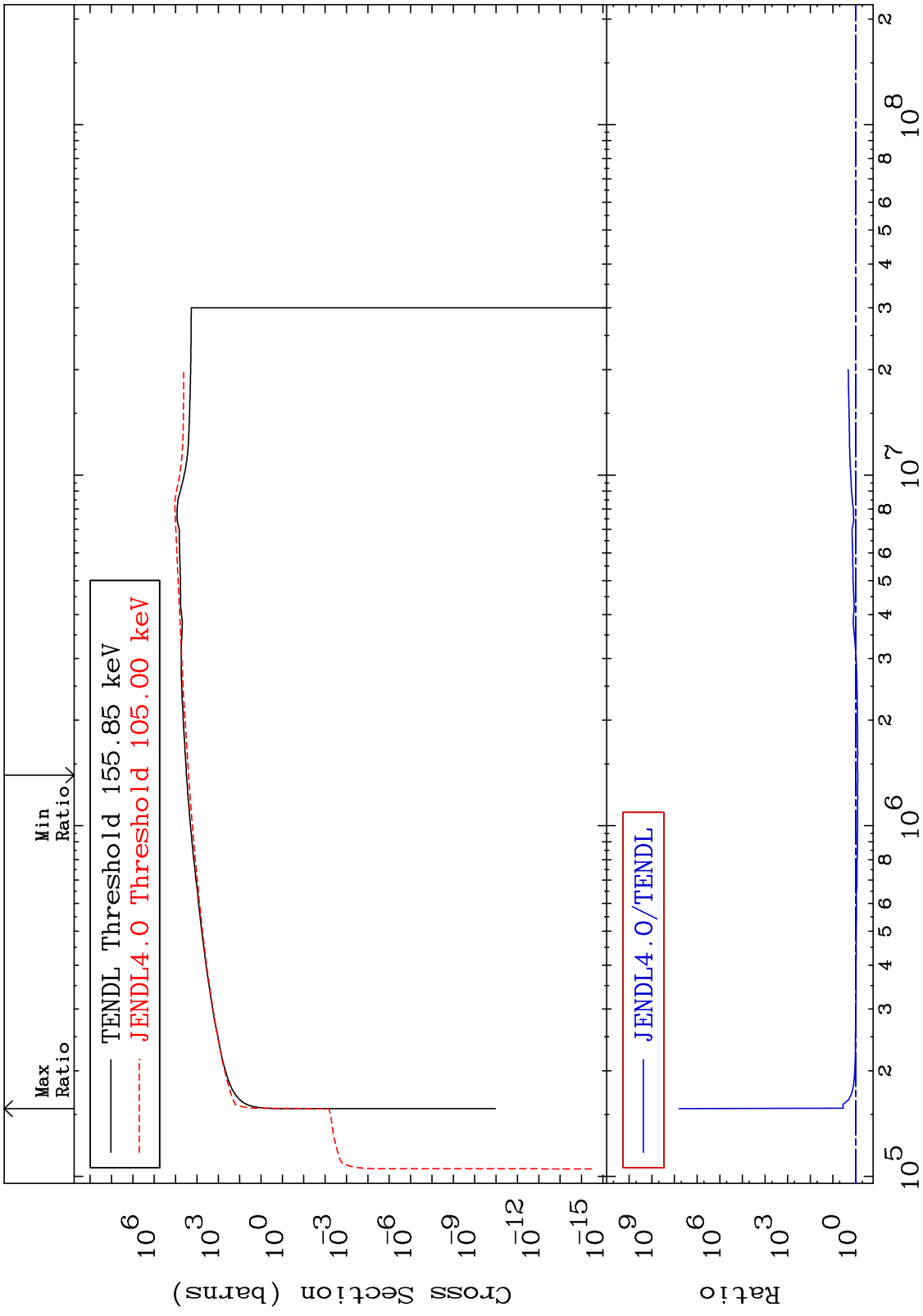


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Incident Energy (eV)

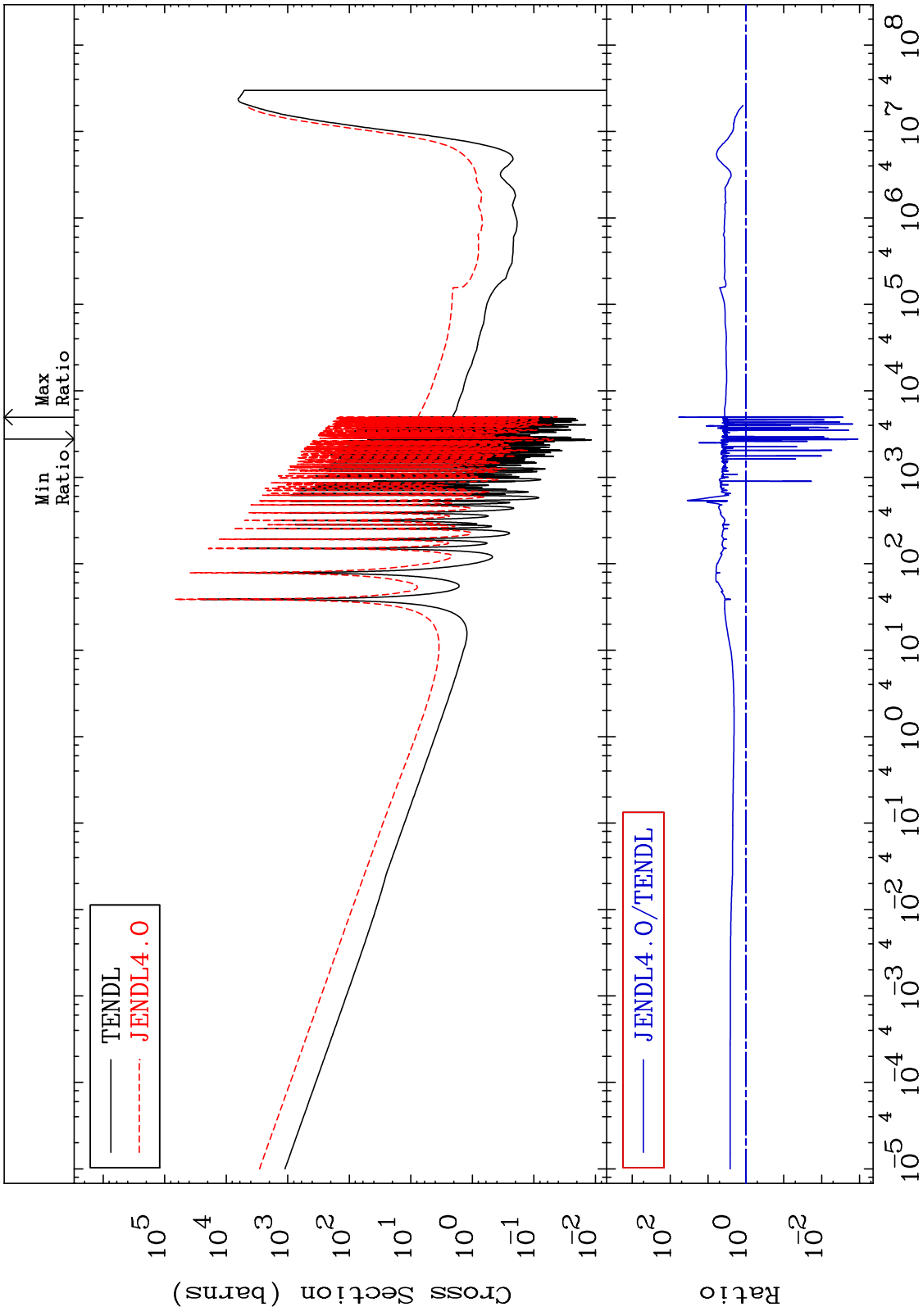
76-0s-188

MAT 7637 Dpa inelastic (mt51-91) 76-0s-188
 Cross Section -20.95 To 9999. %



63 76-0s-188

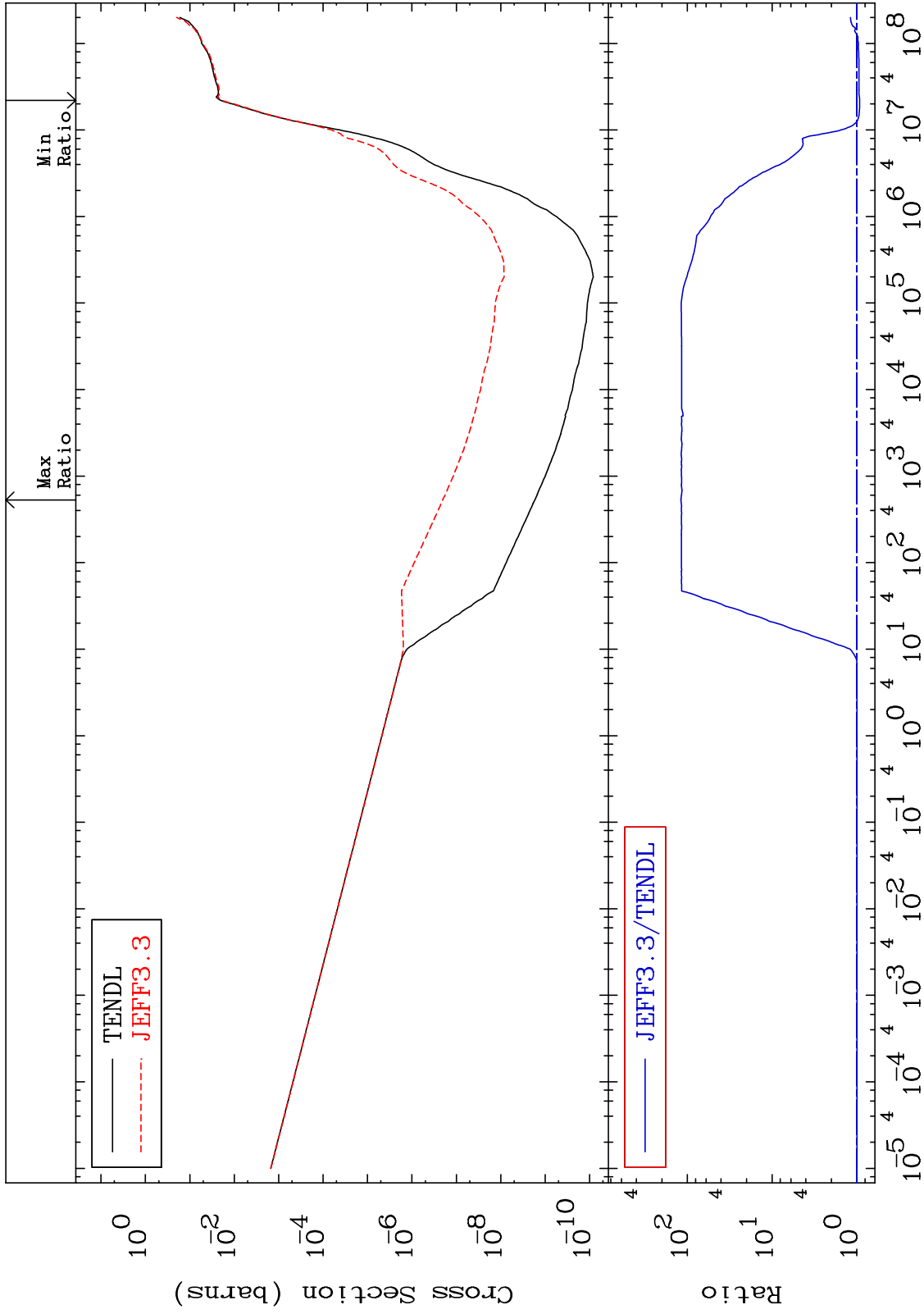
MAT 7637 Dpa disappearance (mt102 -120) 76-0s-188
 Cross Section -99.89 To 5716. %



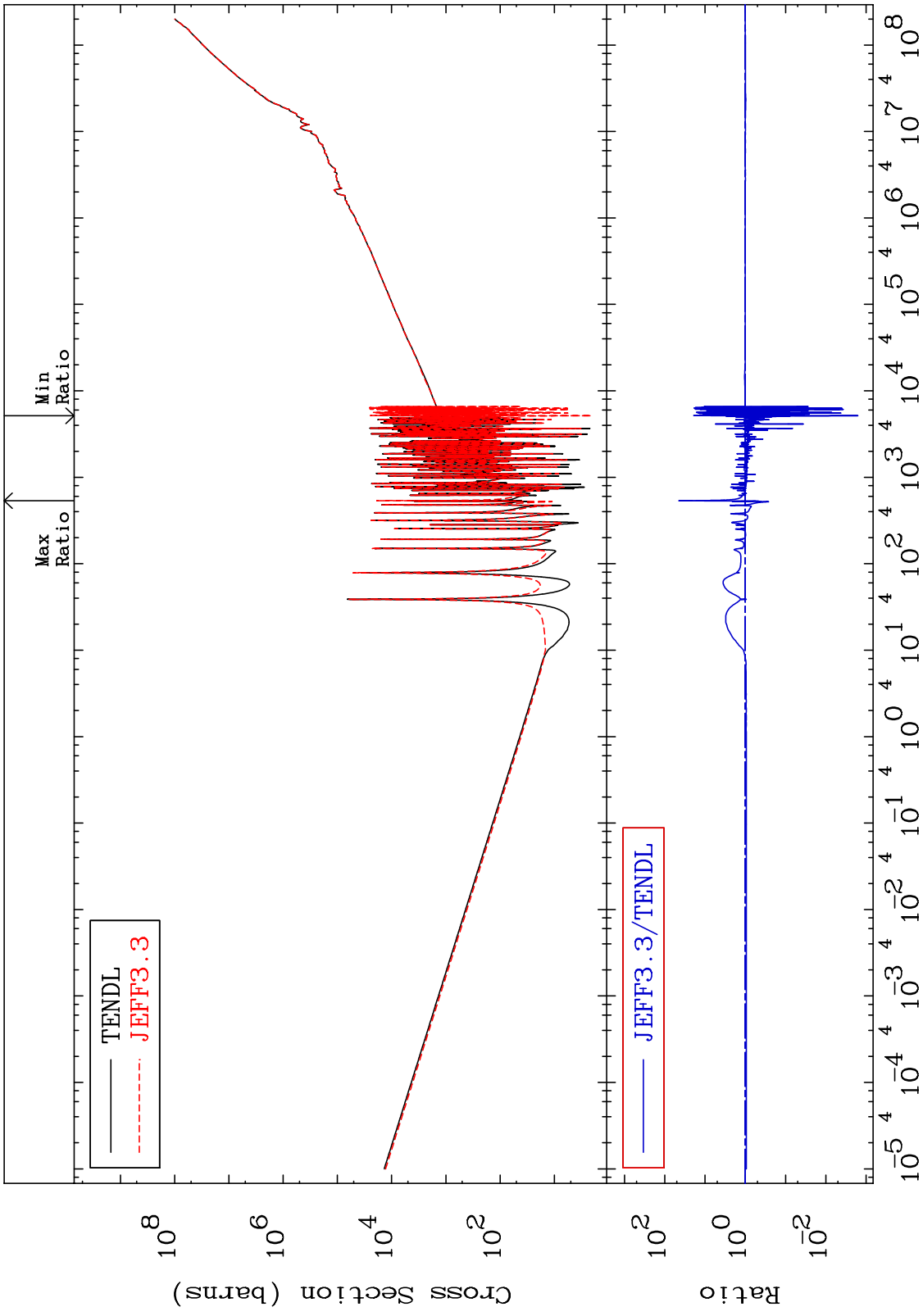
MAT 7637

He-4 Production
Cross Section

76-0s-188
-7.377 To 9999. %



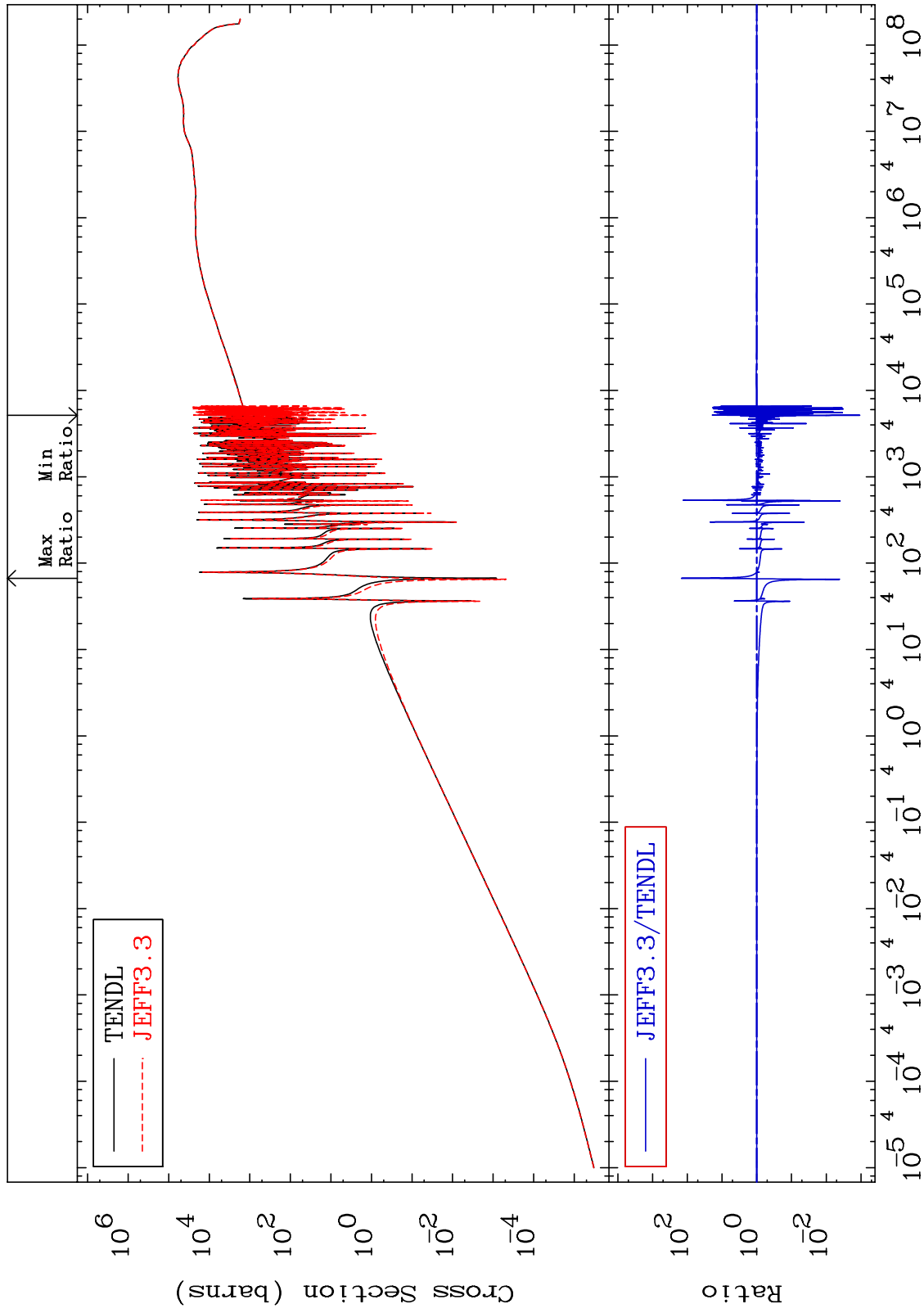
MAT 7637 Kerma total (eV-barns) 76-0s-188
 Cross Section -99.84 To 4312. %



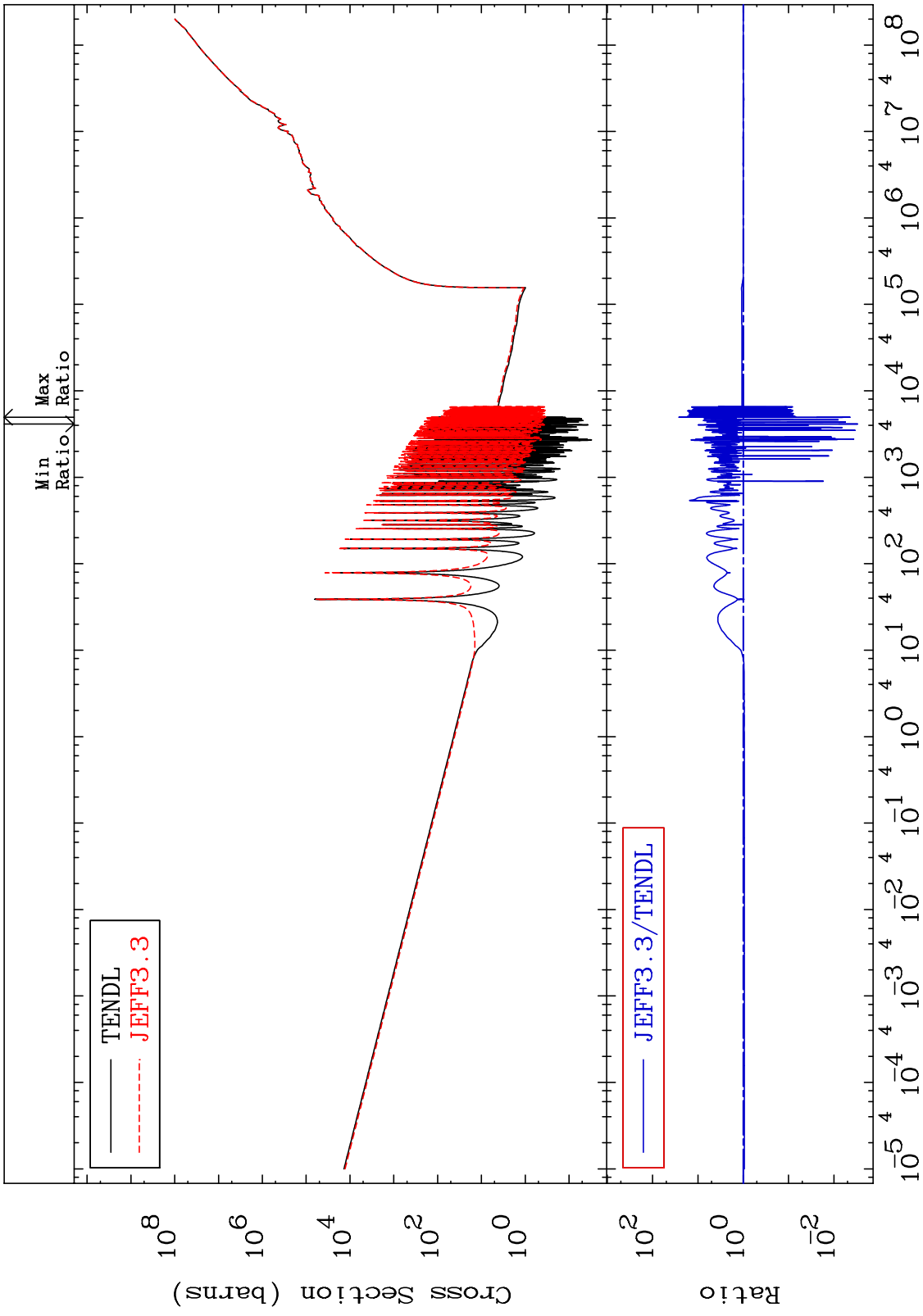
MAT 7637

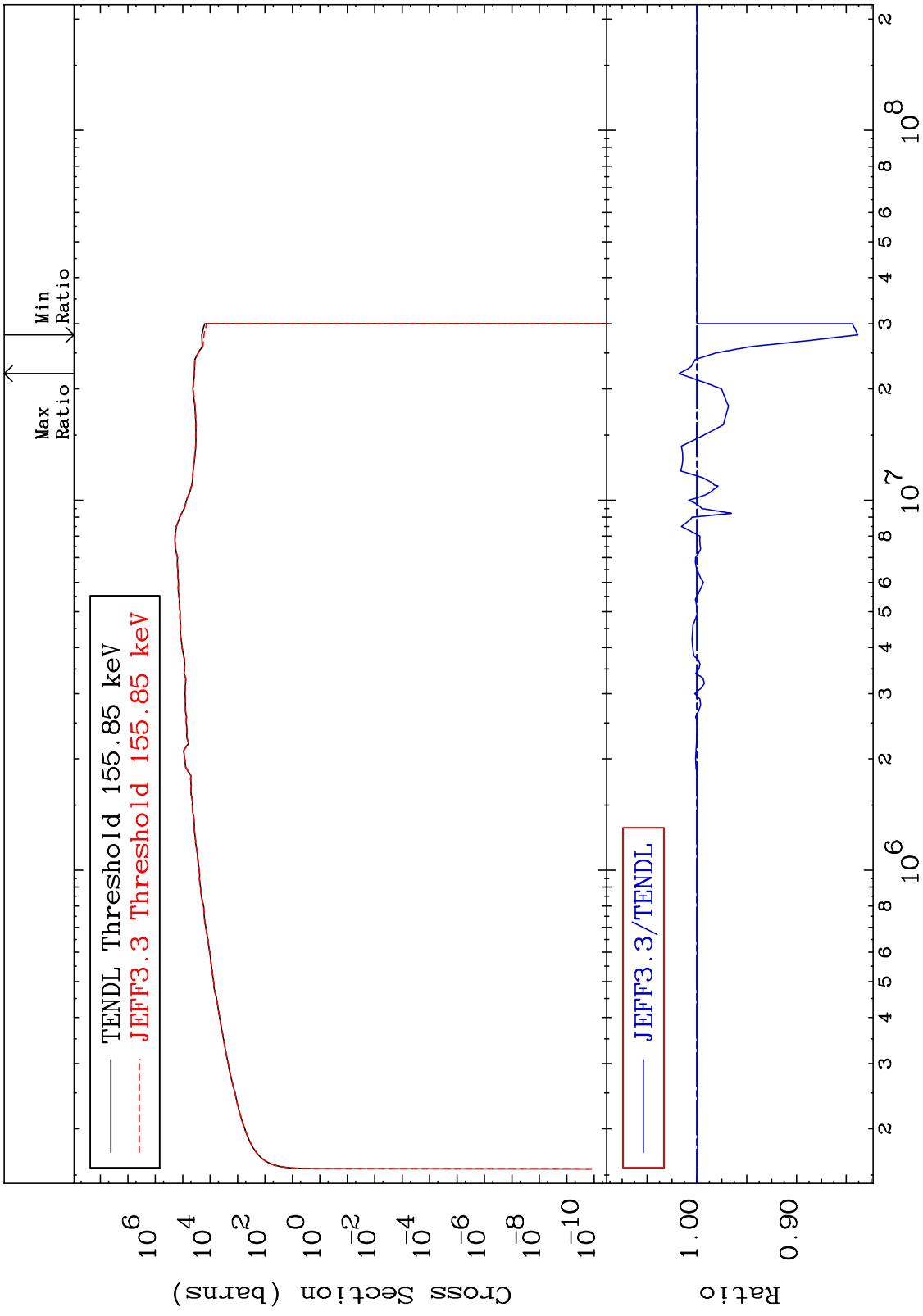
Kerma elastic
Cross Section

76-Os-188
-99.89 To 9999. %



MAT 7637 Kerma non-elastic (all but mt2) 76-Os-188
 Cross Section -99.70 To 2506. %

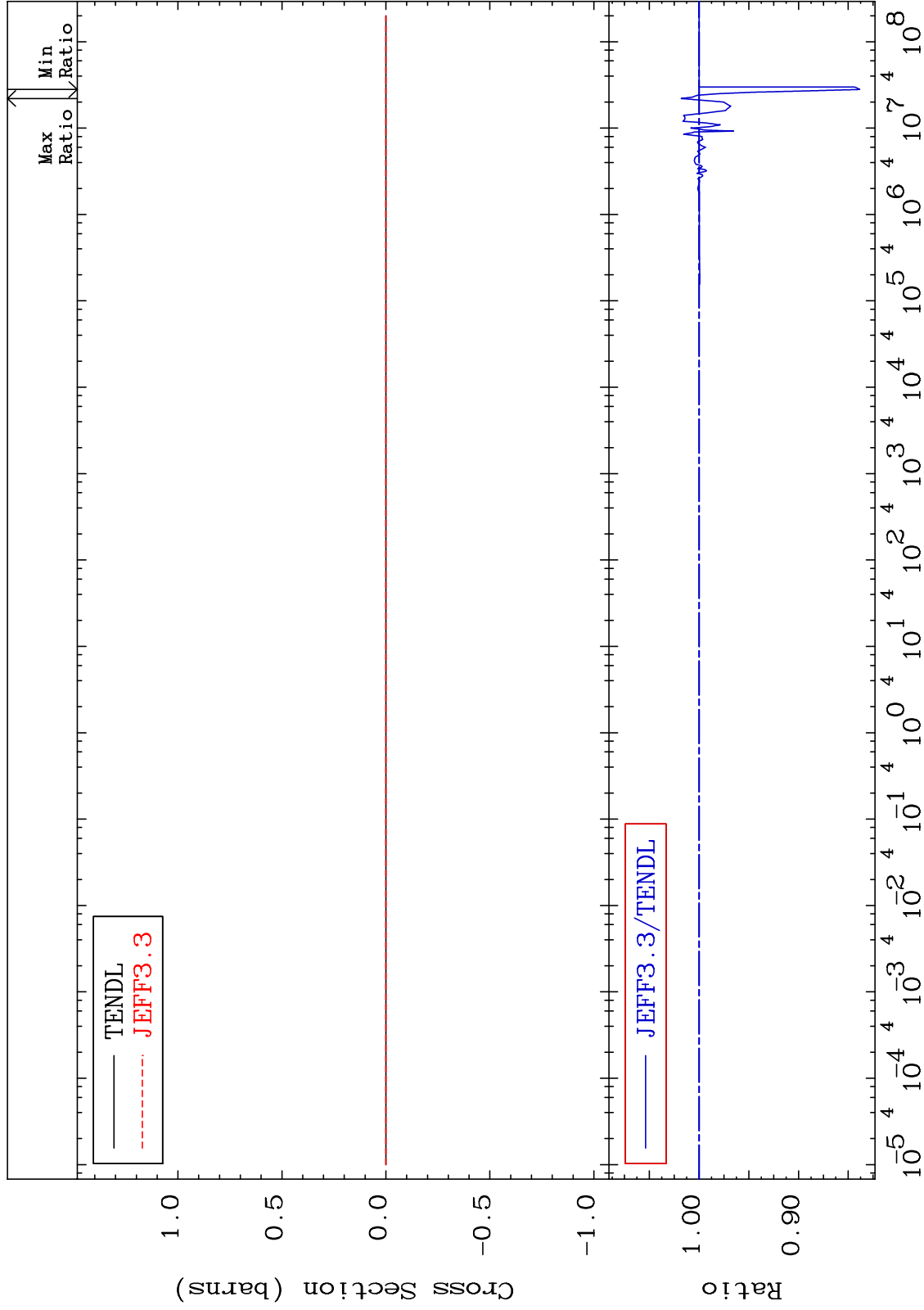




MAT 7637

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

76-0s-188
-16.16 To 1.796 %



70

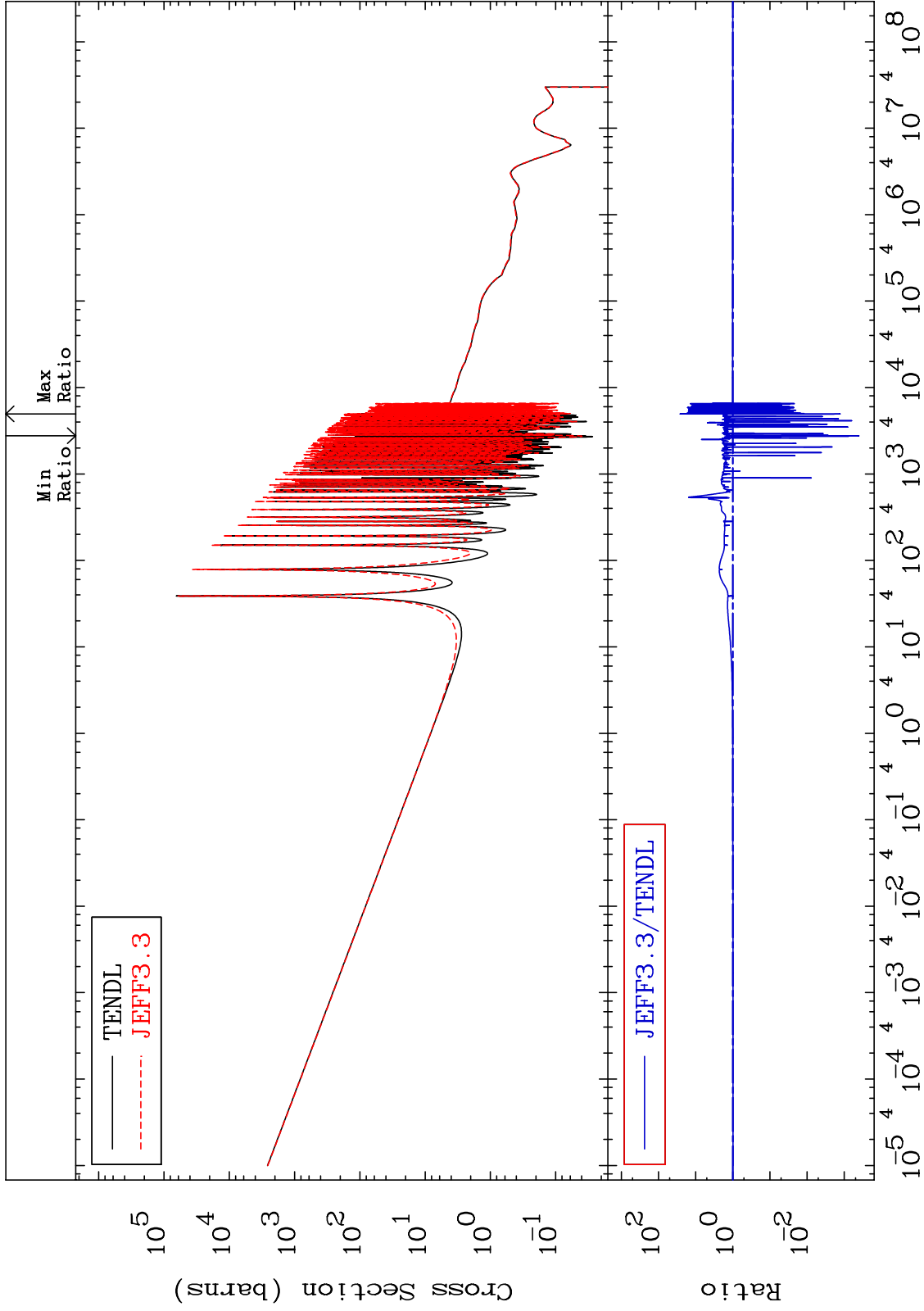
Incident Energy (eV)

76-0s-188

MAT 7637

Kerma capture (mt102)
Cross Section

76-0s-188
-99.96 To 2502. %



71

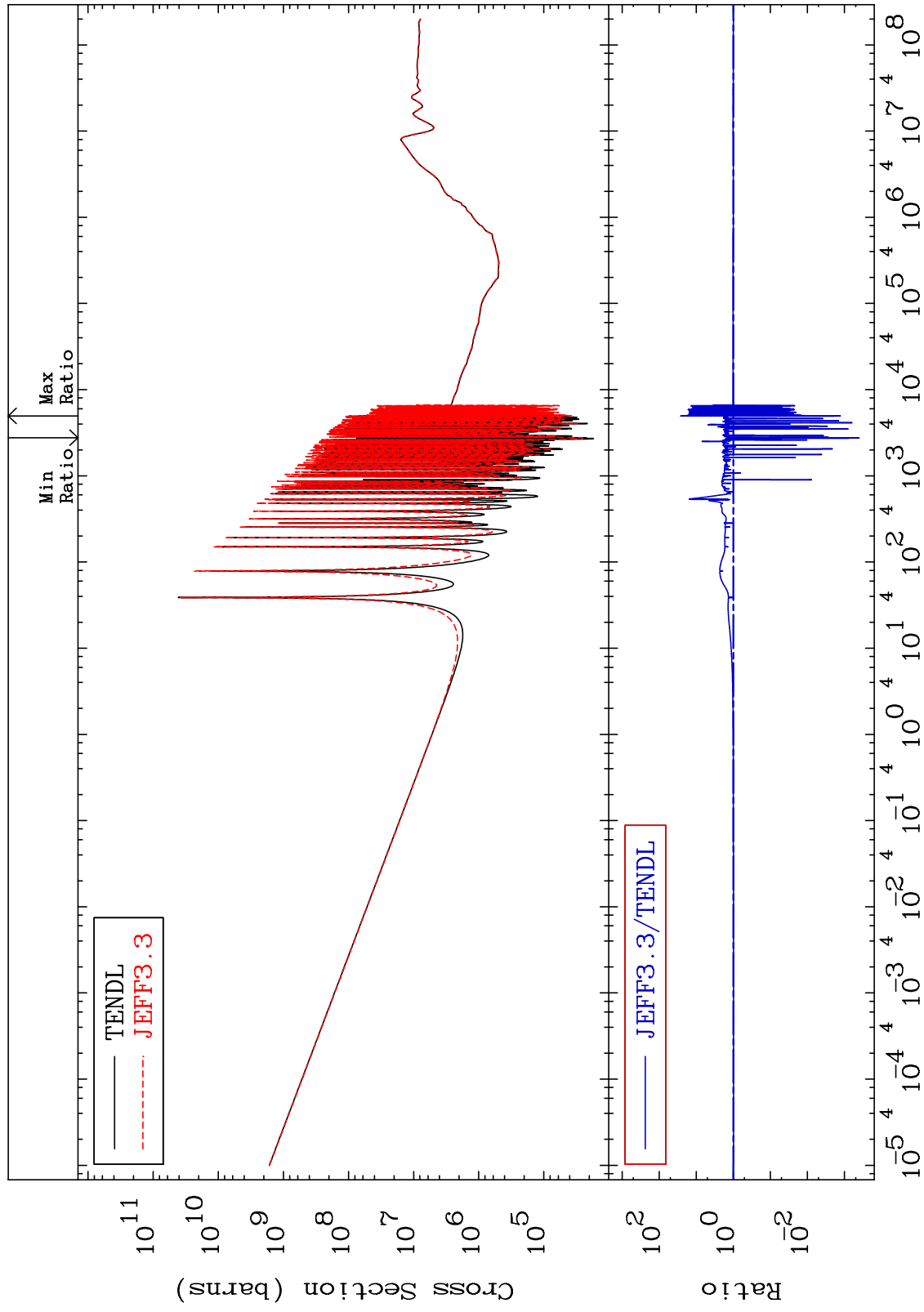
Incident Energy (eV)

76-0s-188

MAT 7637

Total photon (eV-barns)
Cross Section

76-0s-188
-99.96 To 2502. %



72

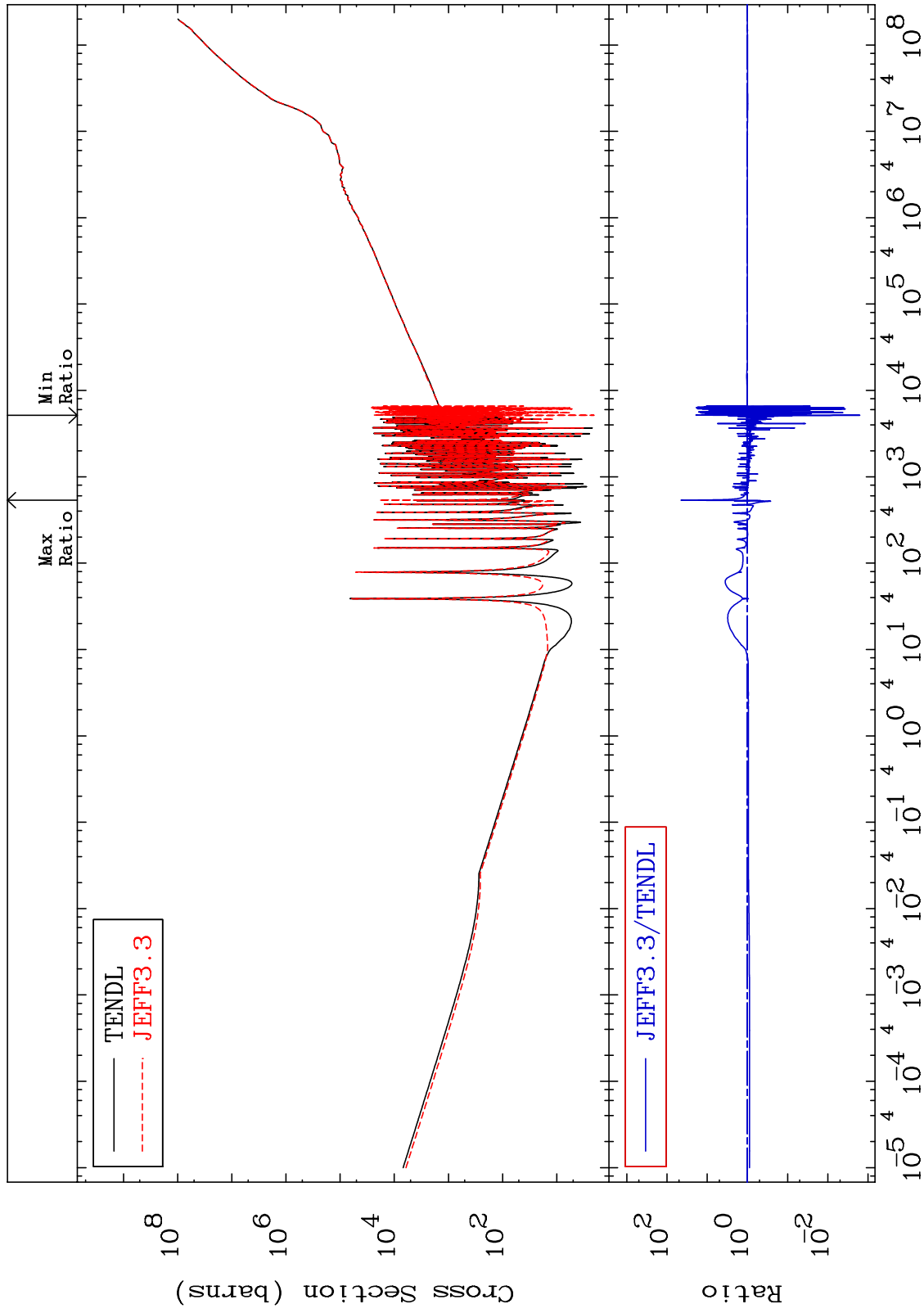
Incident Energy (eV)

76-0s-188

MAT 7637

Total kinematic kerma (high limit)
Cross Section

76-0s-188
-99.84 To 4312. %



73

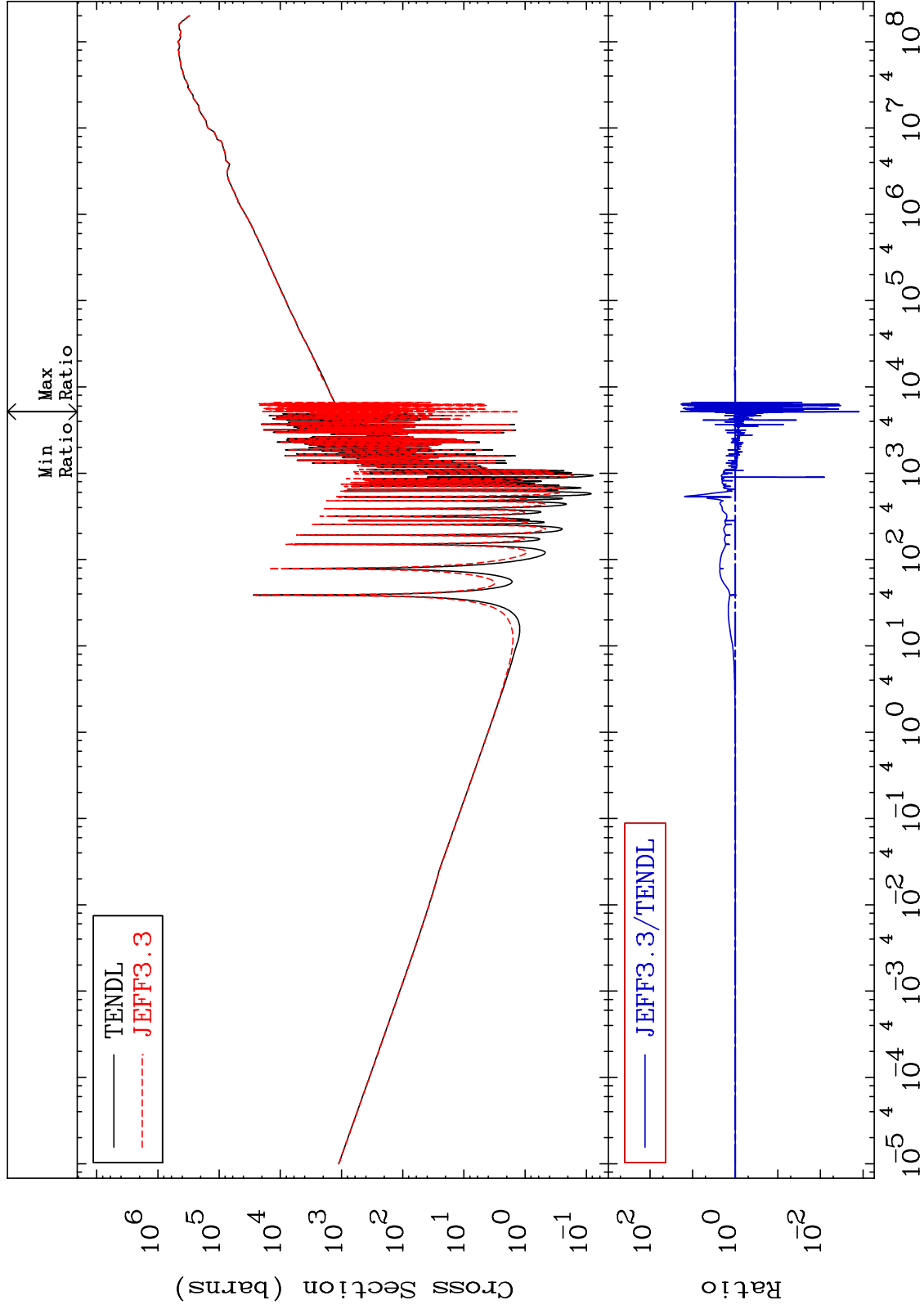
Incident Energy (eV)

76-0s-188

MAT 7637

Dpa total (eV-barns)
Cross Section

76-0s-188
-99.88 To 1815. %



74

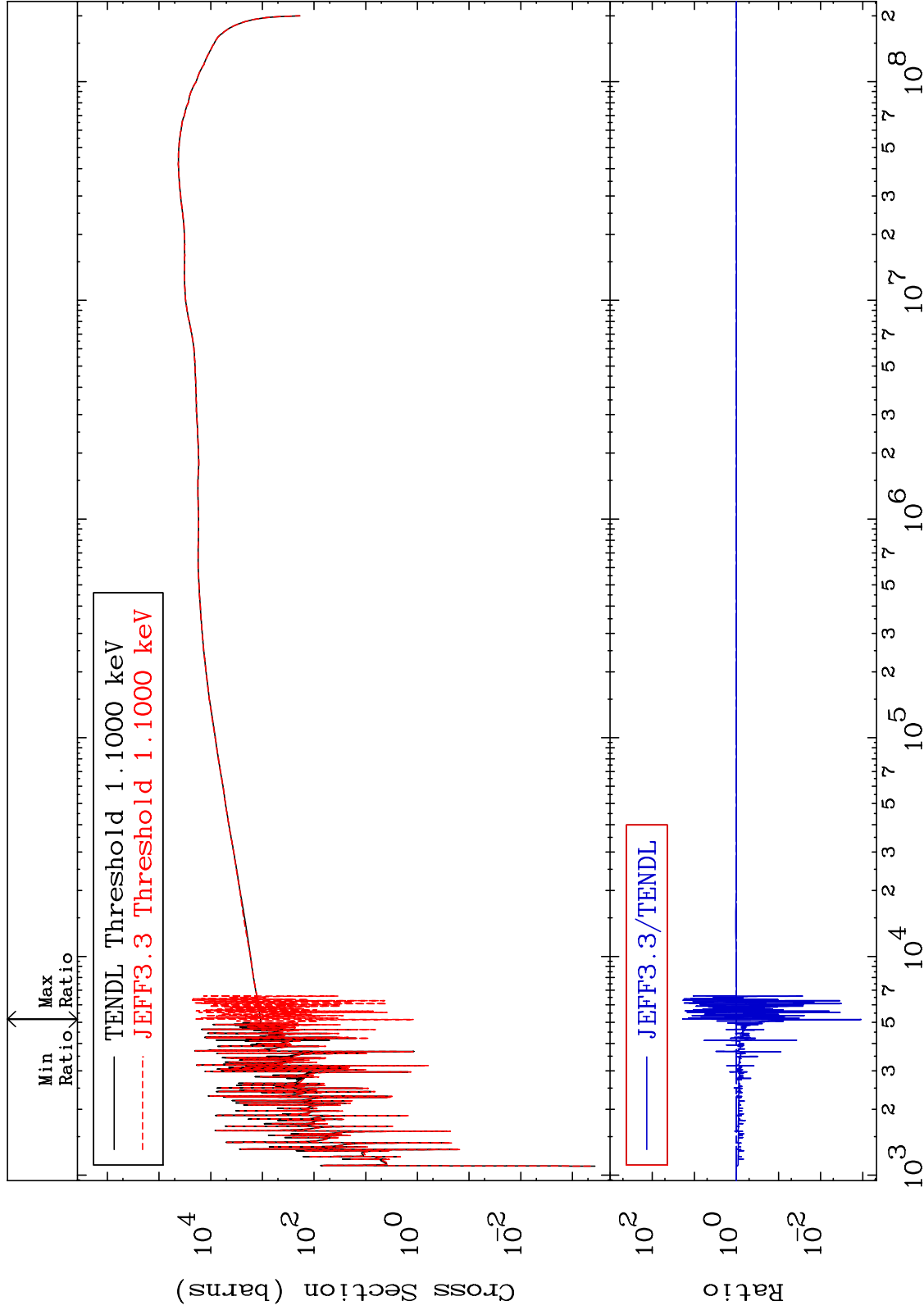
Incident Energy (eV)

76-0s-188

MAT 7637

Dpa elastic (mt2)
Cross Section

76-Os-188
-99.89 To 1816. %

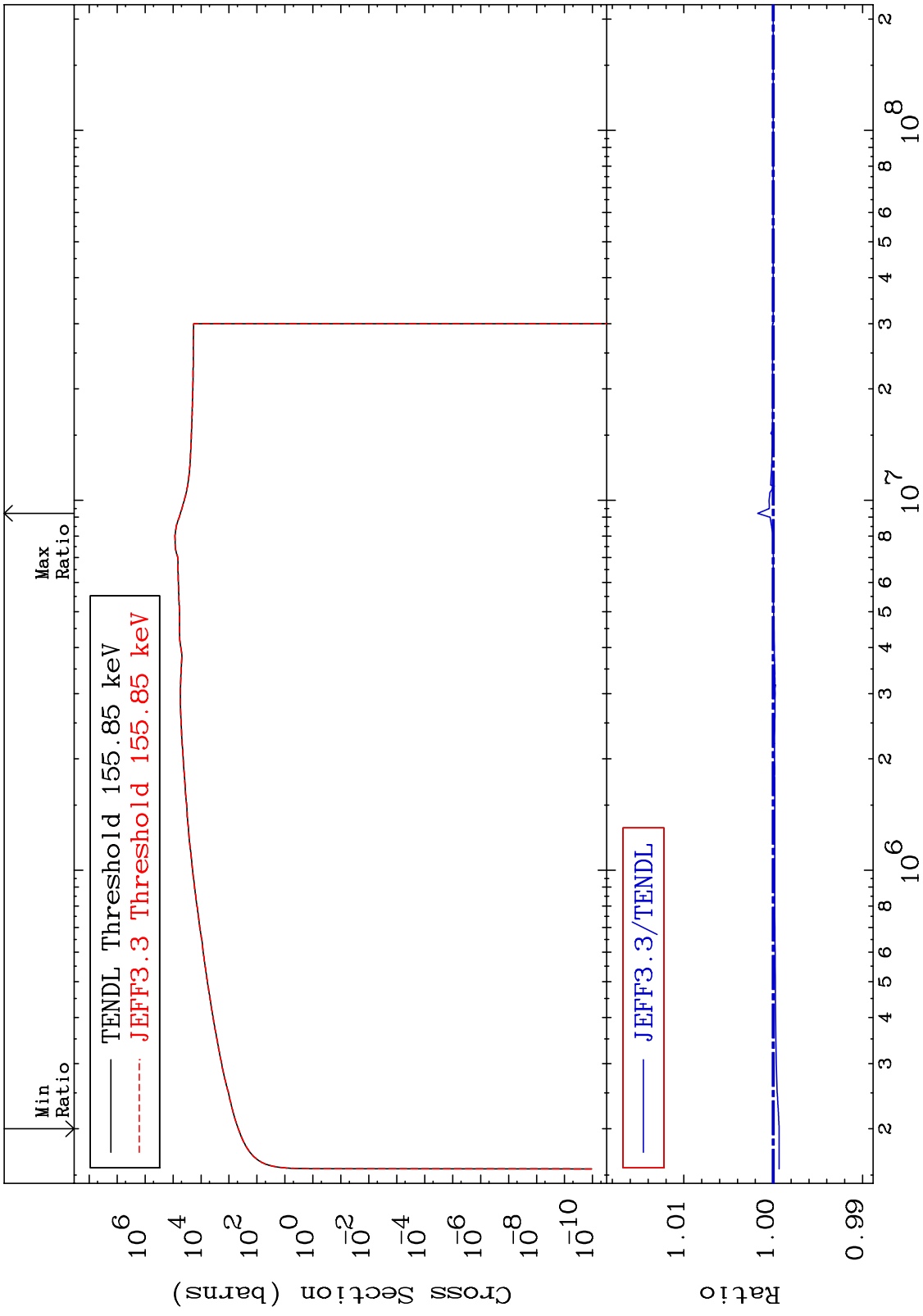


75

Incident Energy (eV)

76-Os-188

MAT 7637 Dpa inelastic (mt51-91) 76-Os-188
Cross Section -0.066 To 0.174 %

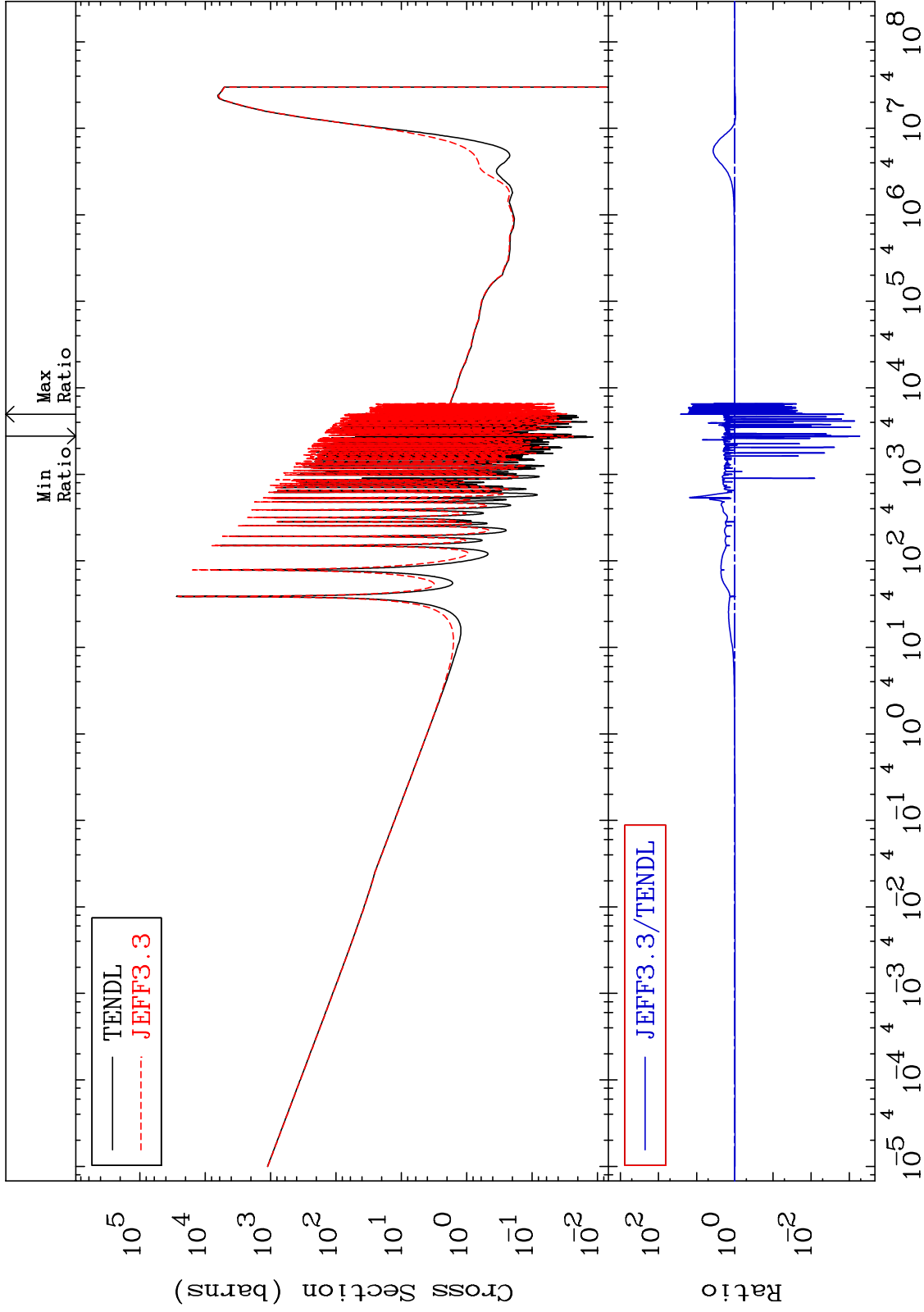


76 Incident Energy (eV) 76-Os-188

MAT 7637

Dpa disappearance (mt102 -120)
Cross Section

76-0s-188
-99.95 To 2502. %



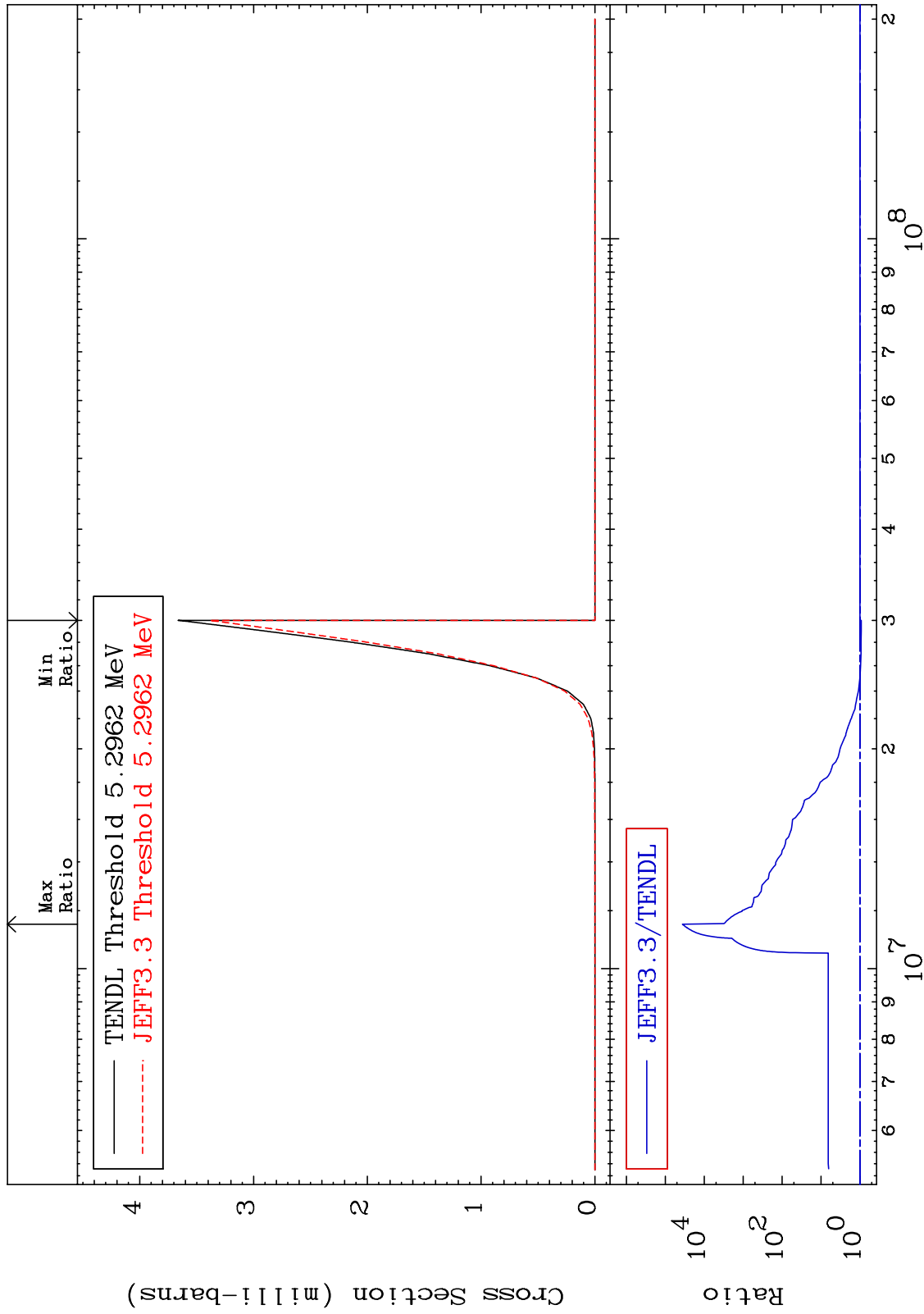
77

Incident Energy (eV)

76-0s-188

MAT 7637

(n,2n) α : 74-W -183g 76-Os-188
Radionuclide Production Cross Section -7.484 To 9999. %



78

Incident Energy (eV)

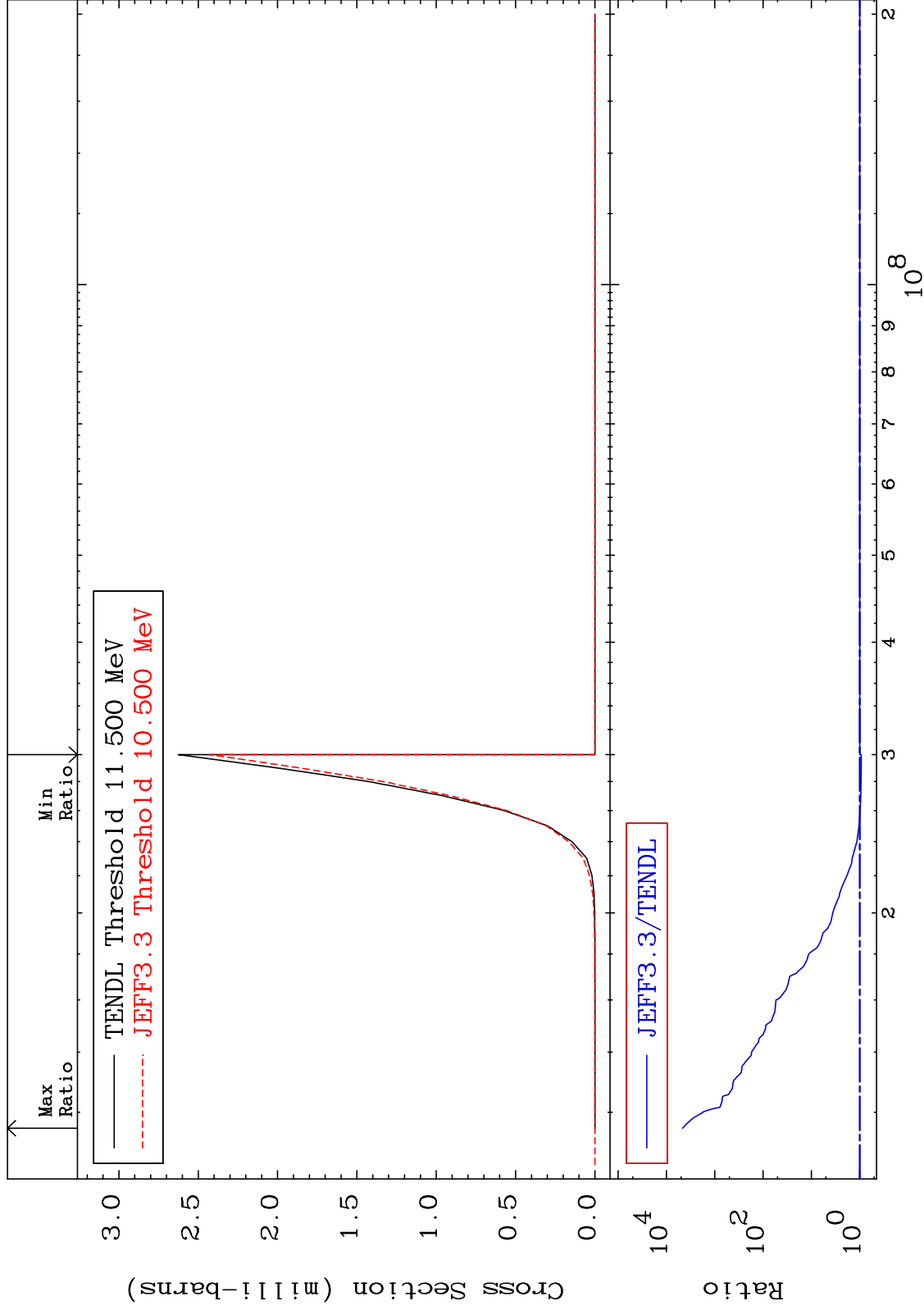
76-Os-188

MAT 7637

(n,2n) α :74-W -183m7

76-Os-188

Radionuclide Production Cross Section -7.612 To 9999. %



79

Incident Energy (eV)

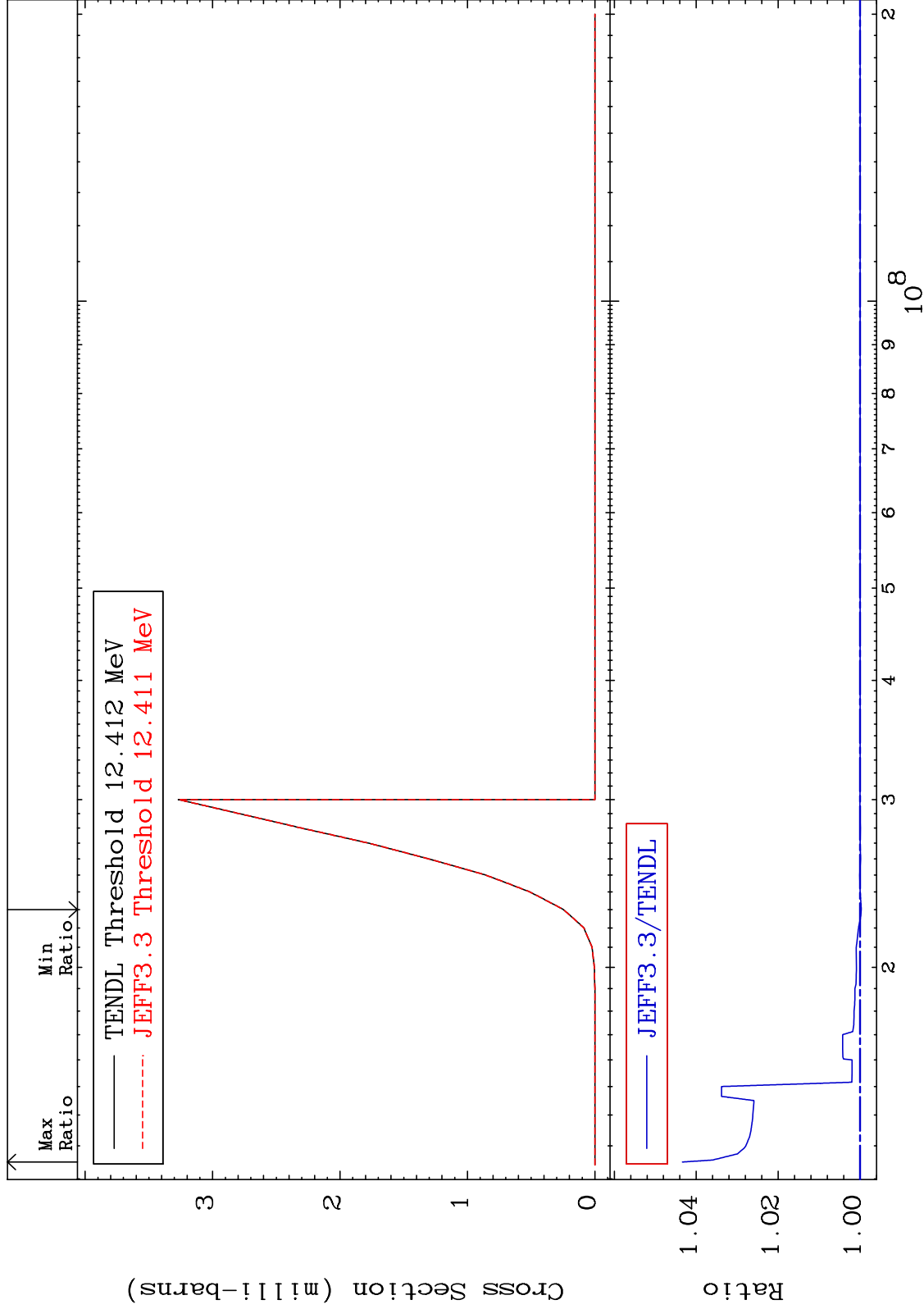
76-Os-188

MAT 7637

(n, n') d:75-Re-186g

76-0s-188

Radionuclide Production Cross Section -0.030 To 4.336 %

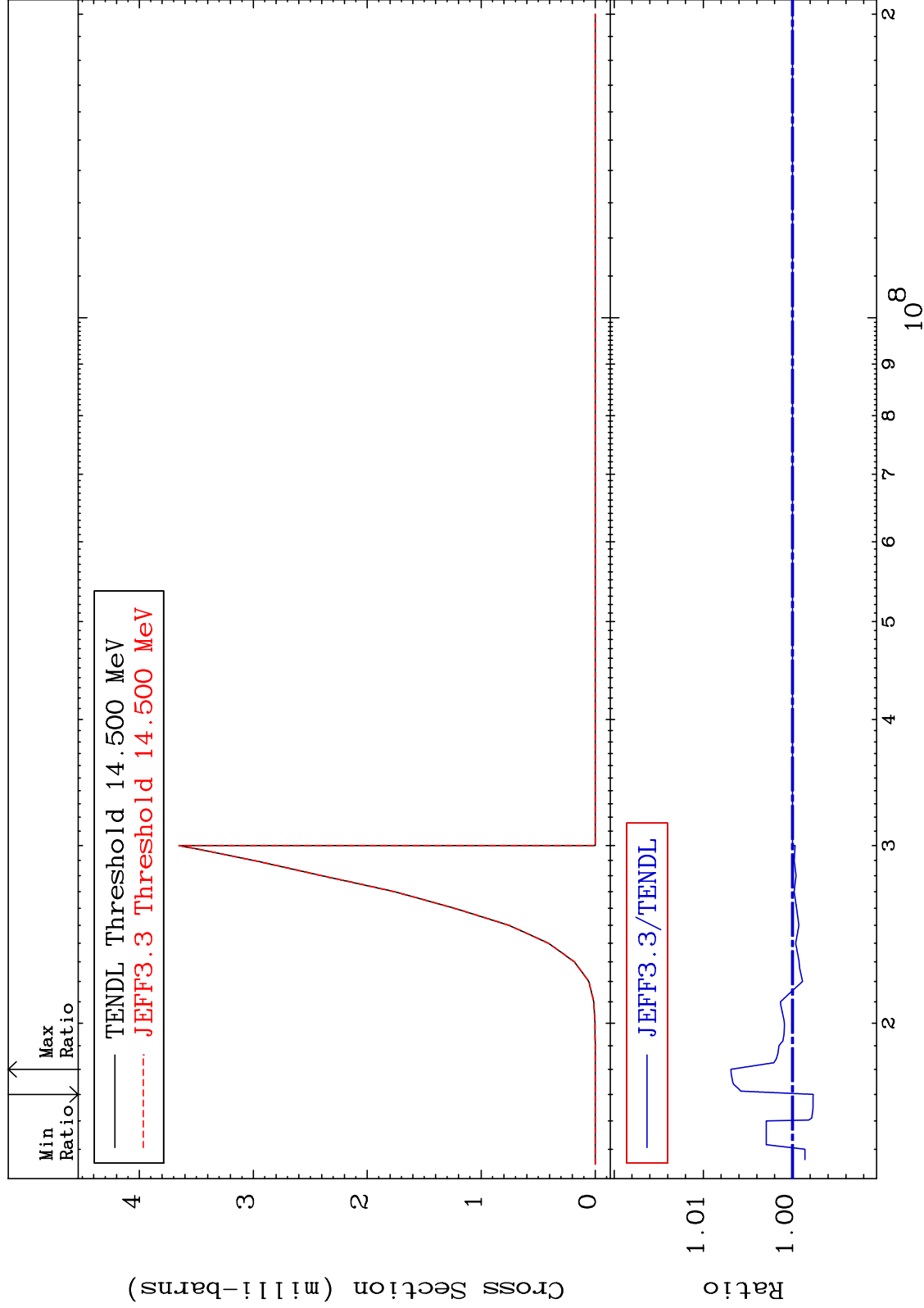


MAT 7637

(n, n') d: 75-Re-186m4

76-0s-188

Radionuclide Production Cross Section -0.232 To 0.691 %



81

Incident Energy (eV)

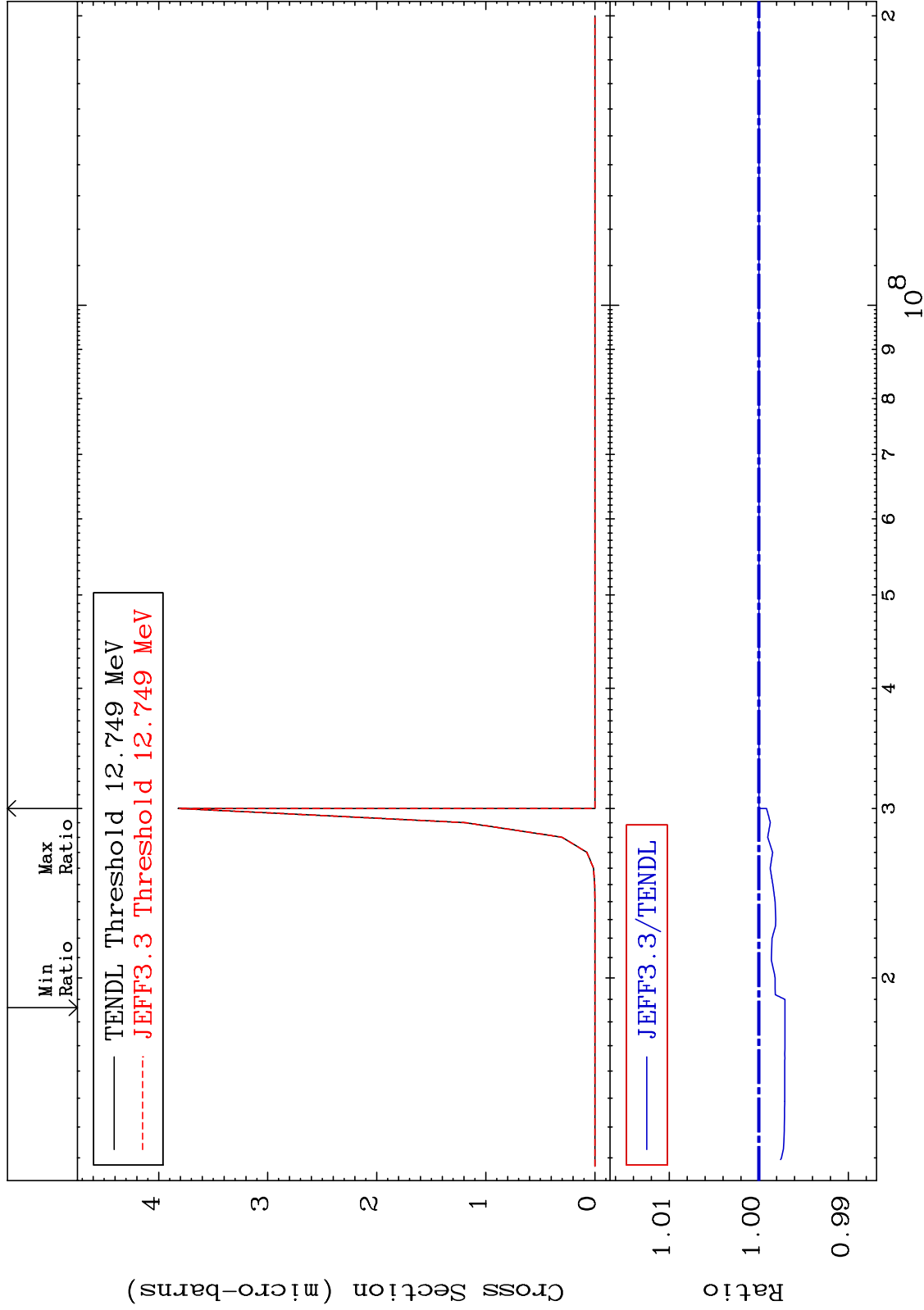
76-0s-188

MAT 7637

(n, n') He-3:74-W -185g

76-0s-188

Radionuclide Production Cross Section -0.292 To 0.000 %

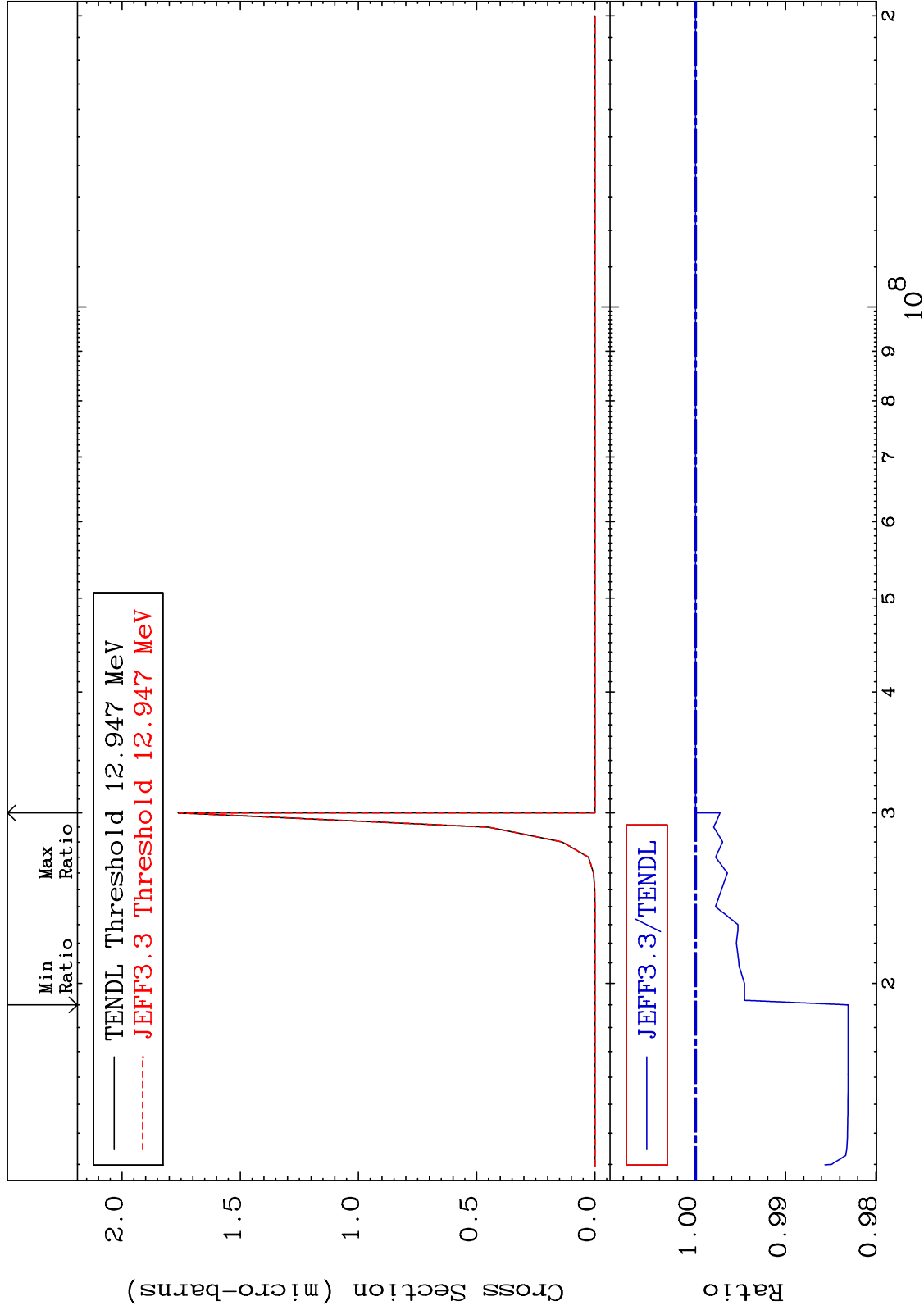


MAT 7637

(n, n') He-3:74-W -185m6

76-0s-188

Radionuclide Production Cross Section -1.693 To 0.000 %

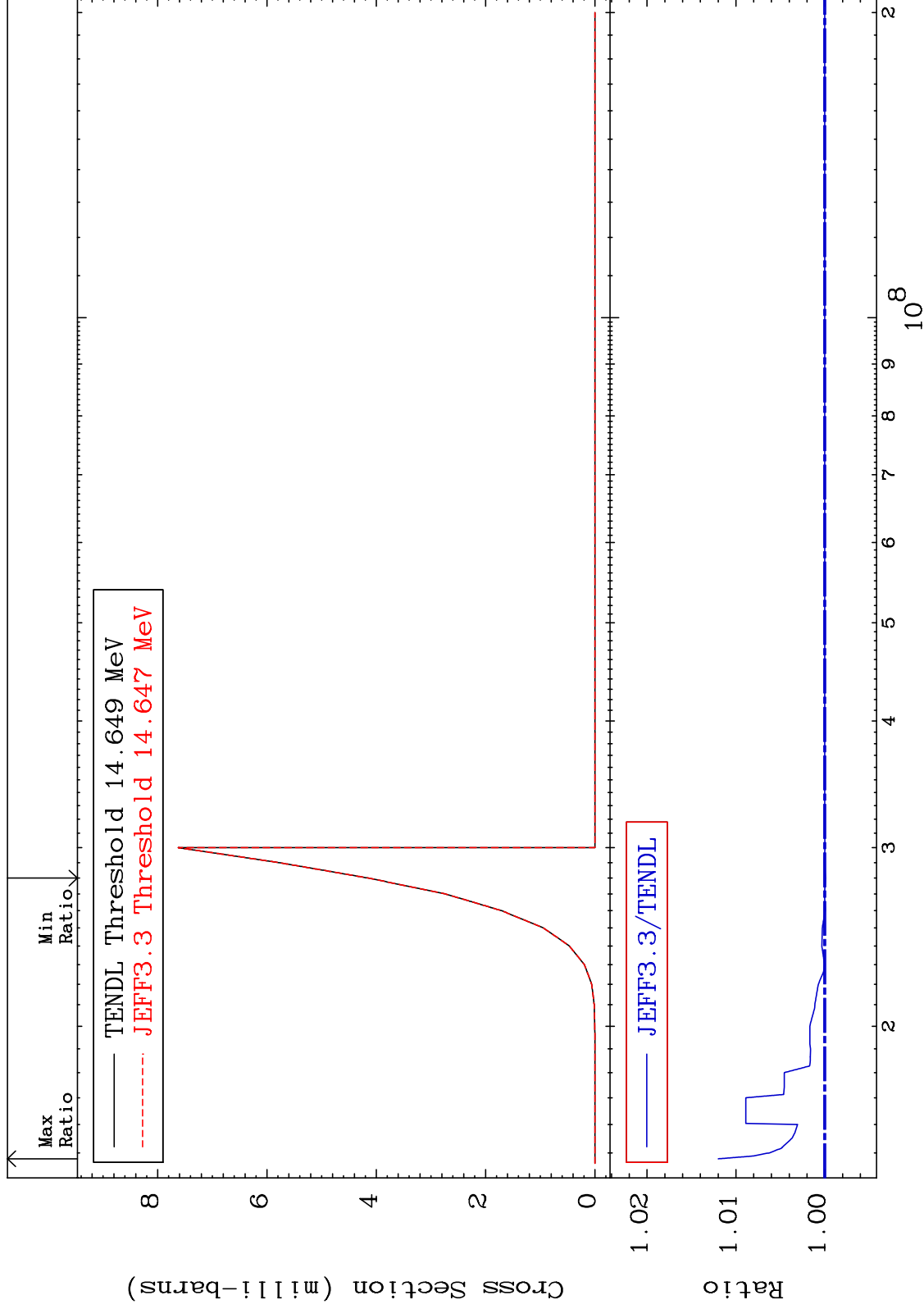


MAT 7637

(n,2n) p:75-Re-186g

76-0s-188

Radionuclide Production Cross Section -0.007 To 1.198 %

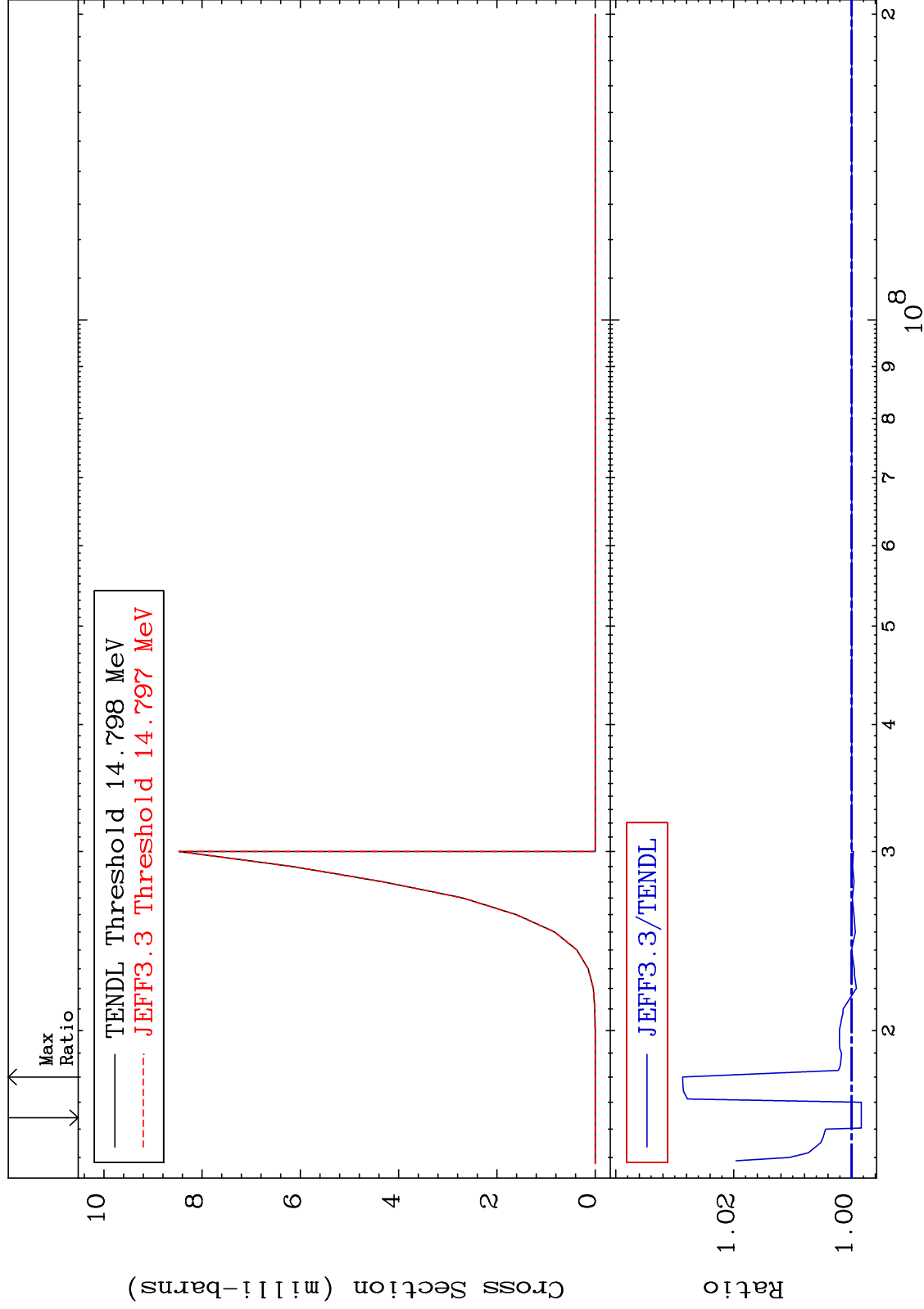


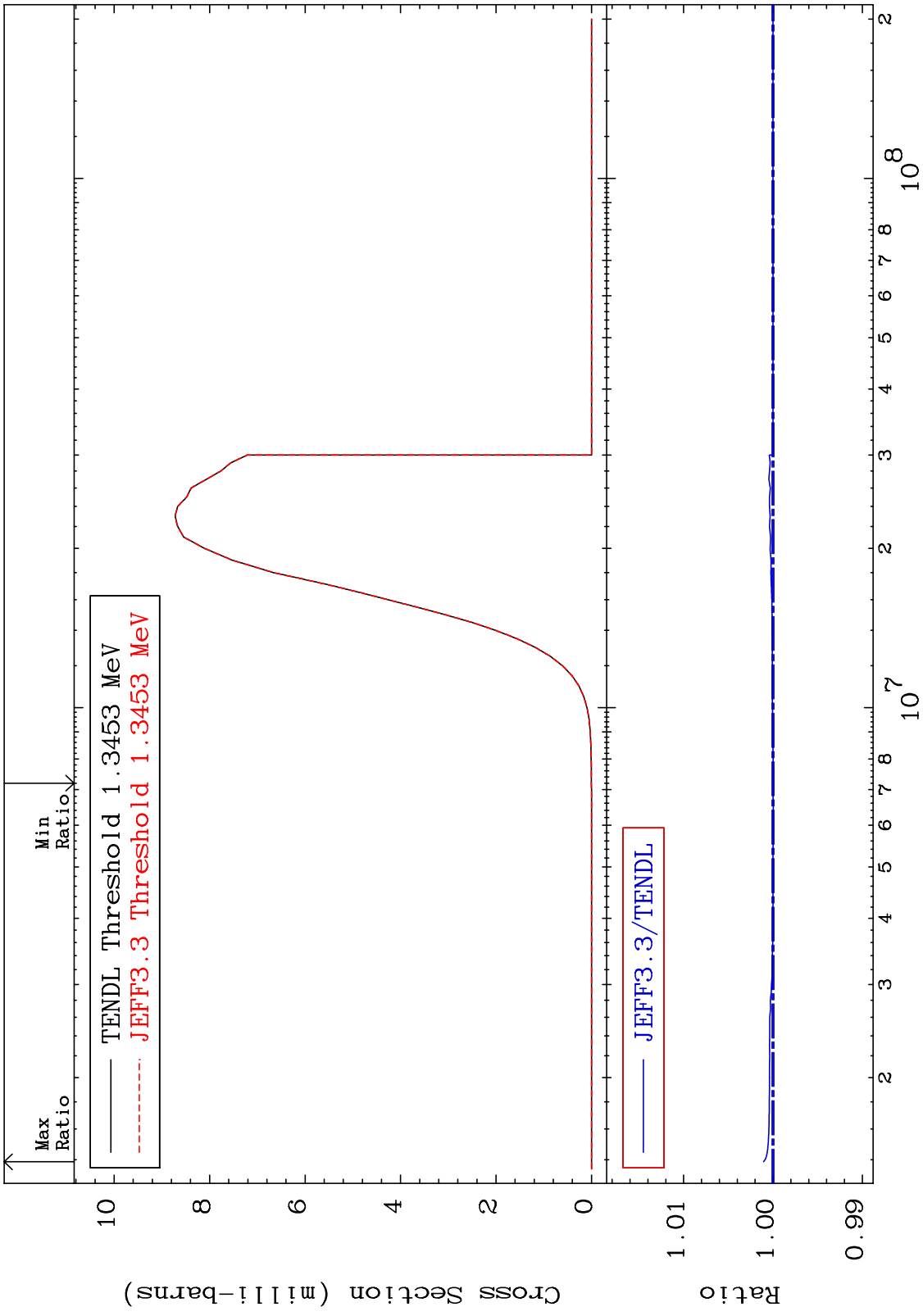
MAT 7637

(n,2n) p:75-Re-186m4

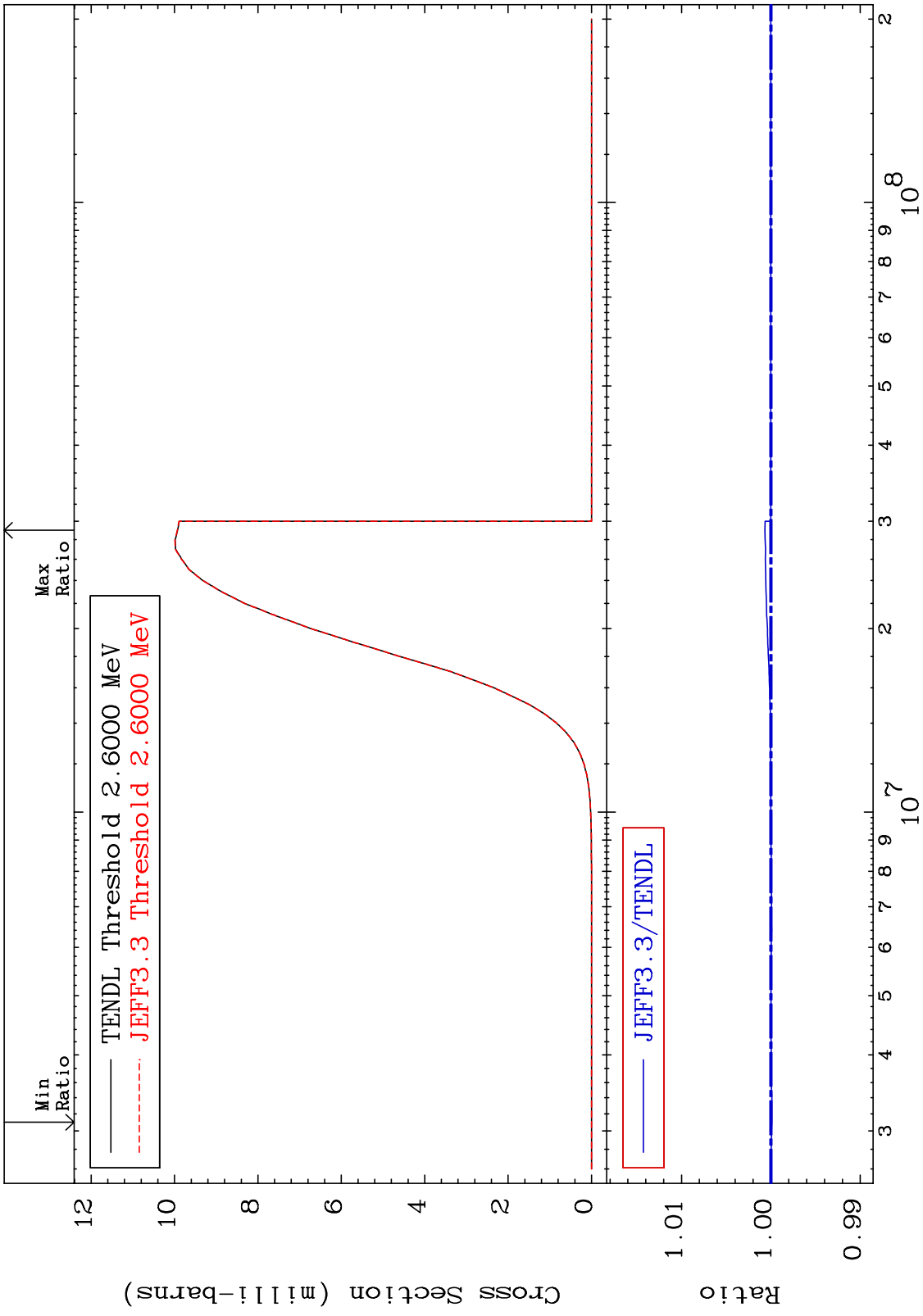
76-0s-188

Radionuclide Production Cross Section -0.165 To 2.866 %

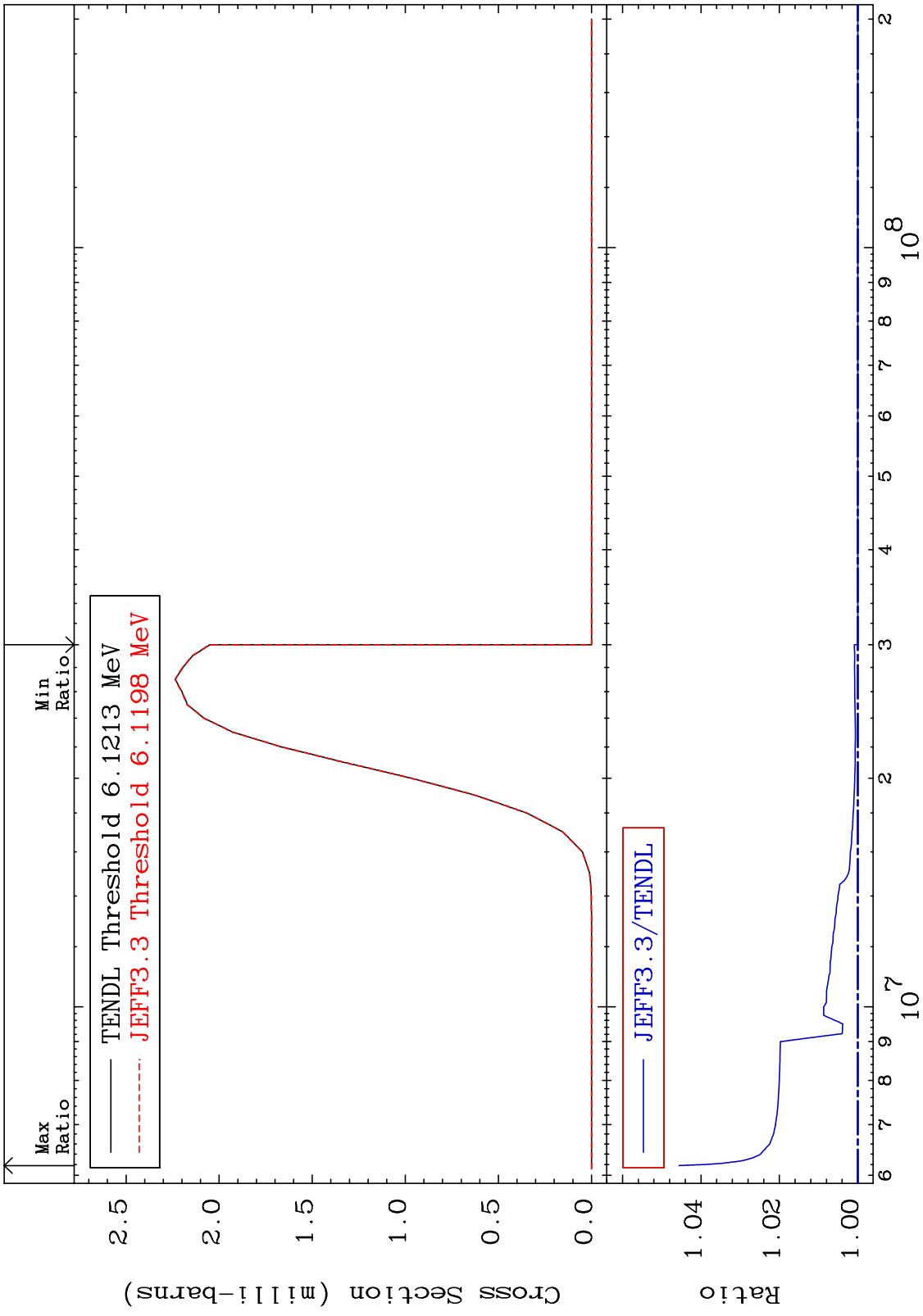




MAT 7637 (n,p):75-Re-188m7 76-0s-188
 Radionuclide Production Cross Section -0.011 To 0.066 %



MAT 7637 (n,t):75-Re-186g 76-0s-188
 Radionuclide Production Cross Section 0.000 To 4.559 %



MAT 7637

(n, t) : 75-Re-186m4

76-Os-188

Radionuclide Production Cross Section 0.000 To 43.75 %

