

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

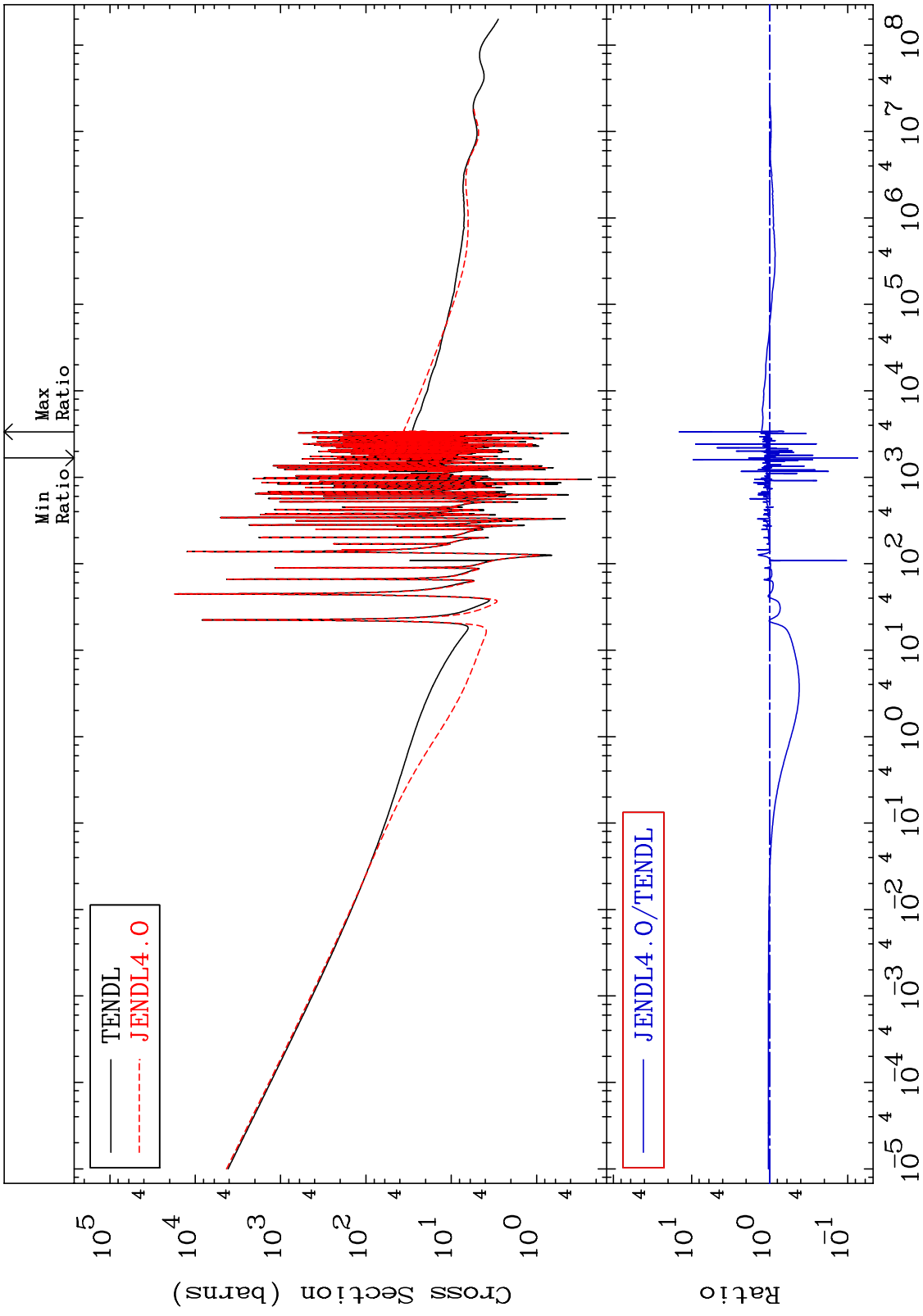
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7631 Total Cross Section 76-0s-186
-92.56 To 1346. %

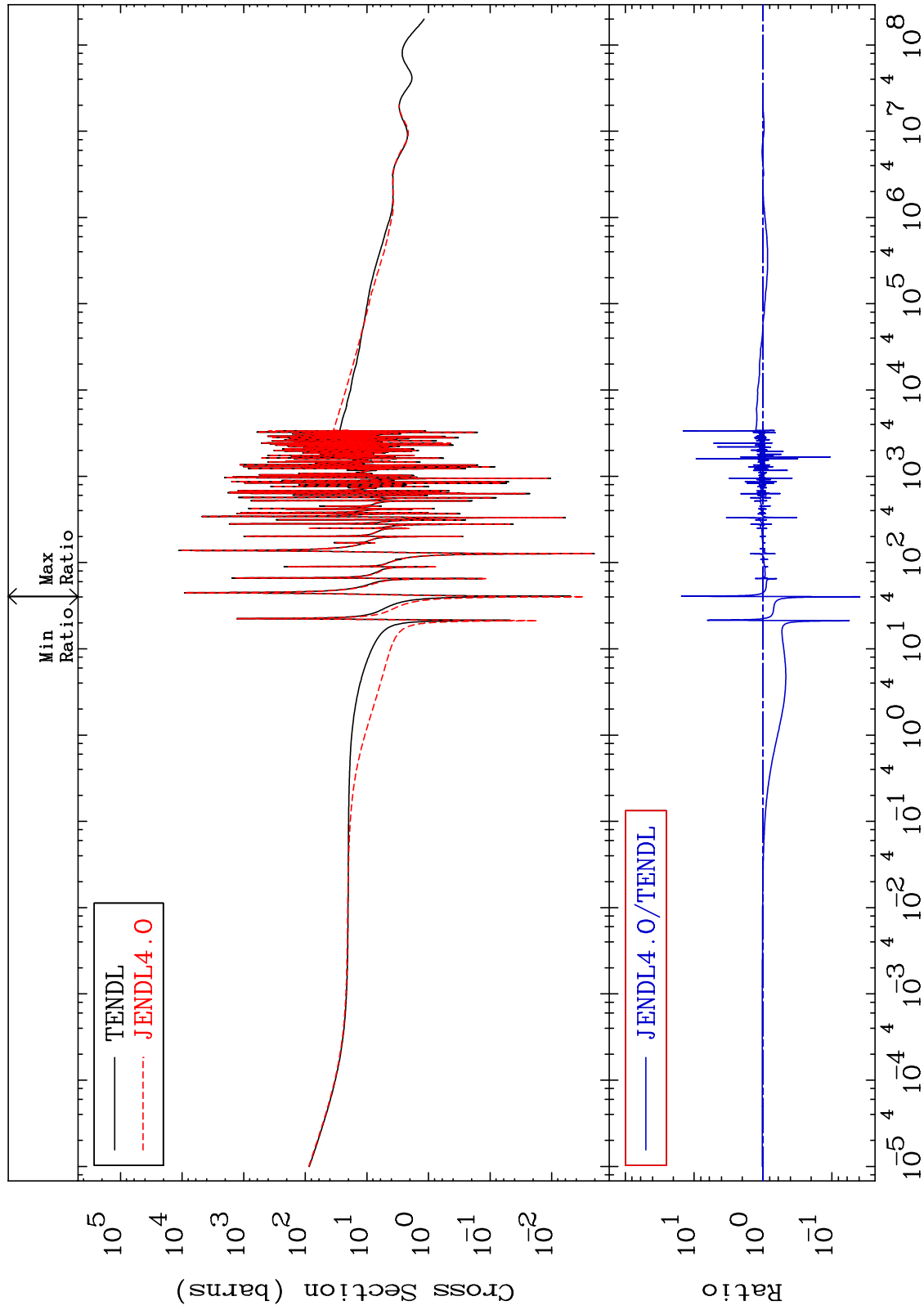


1 Incident Energy (eV) 76-0s-186

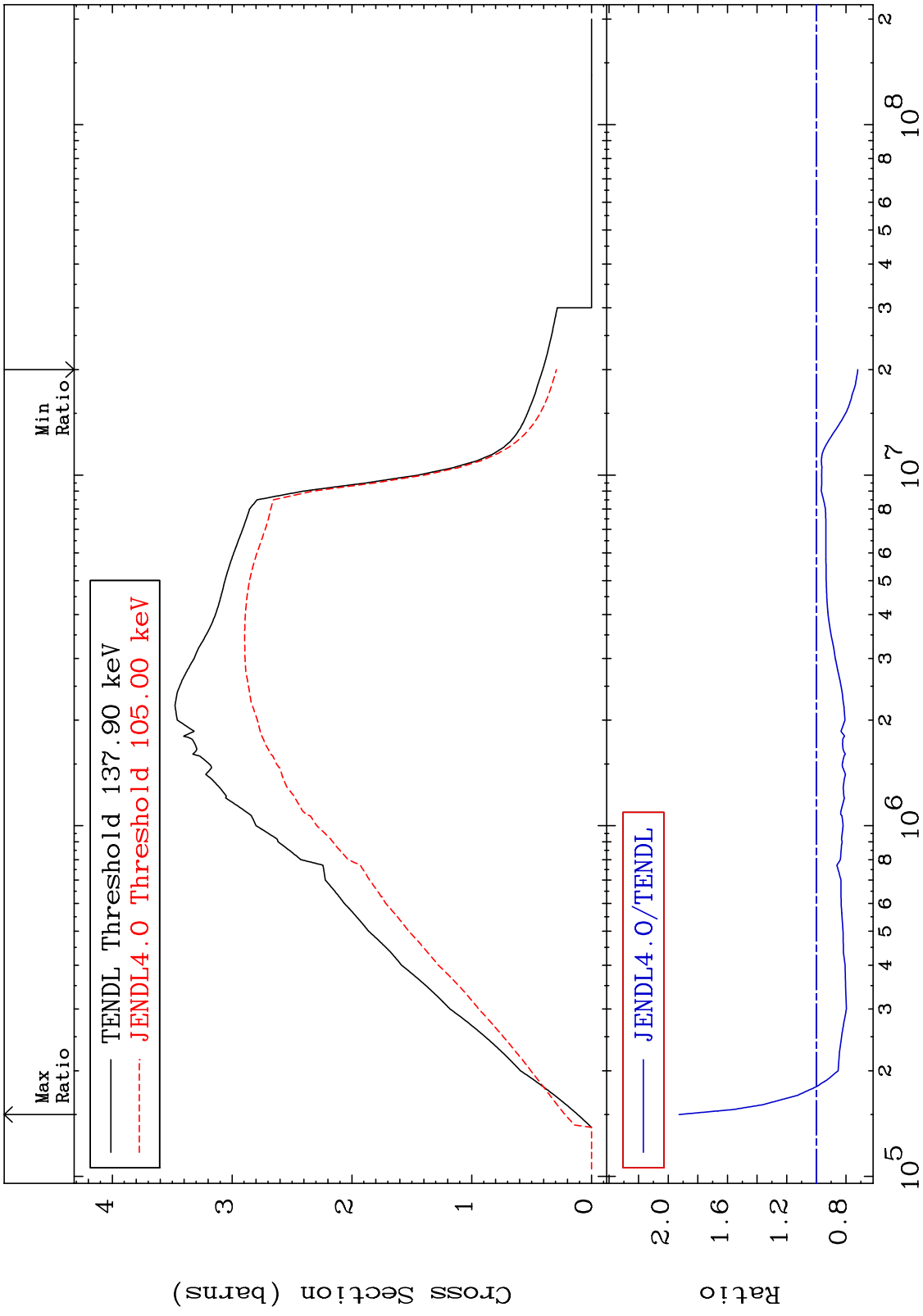
MAT 7631

Elastic
Cross Section

76-0s-186
-96.08 To 1427. %

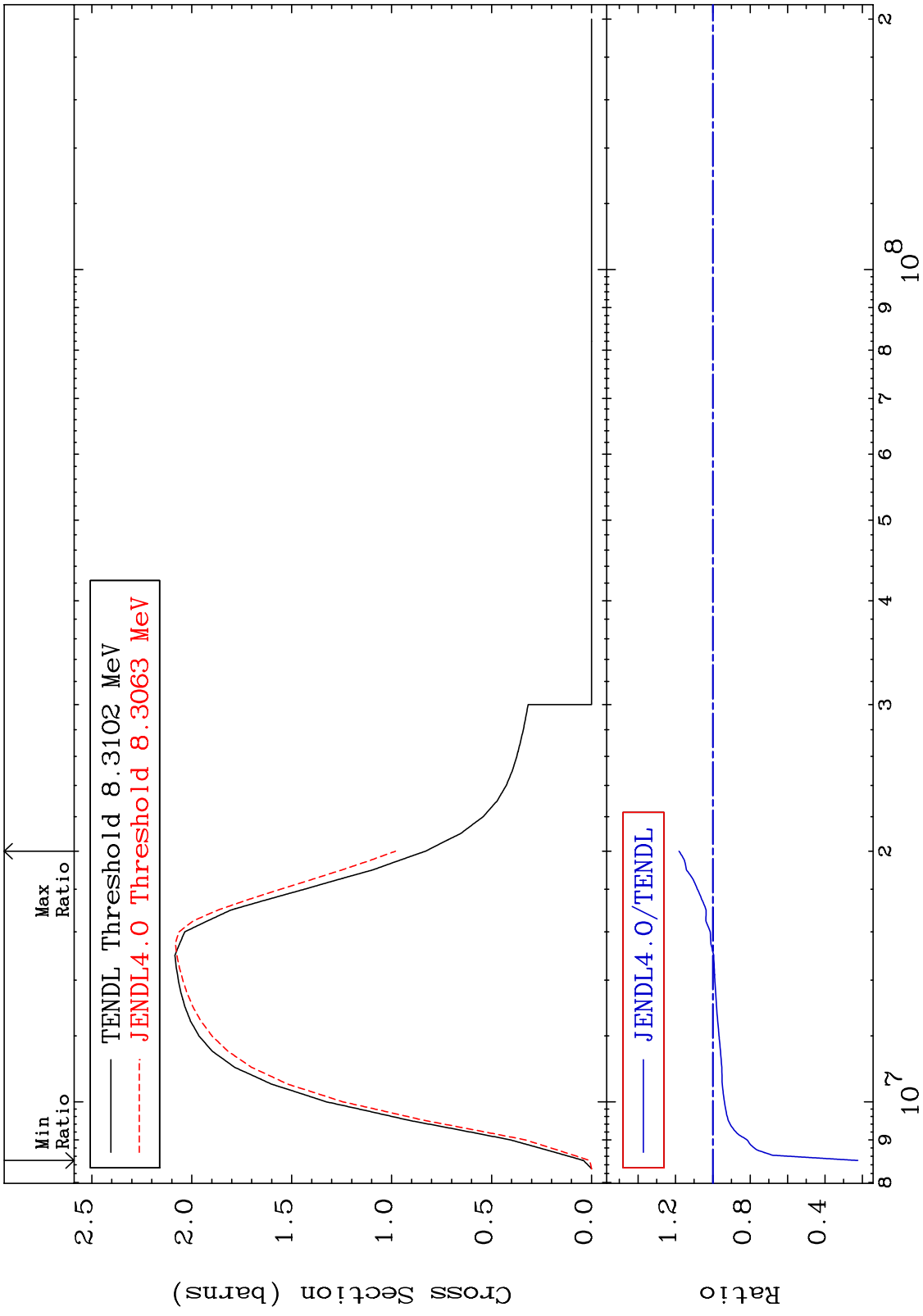


MAT 7631 Inelastic Cross Section 76-Os-186 -28.04 To 92.69 %

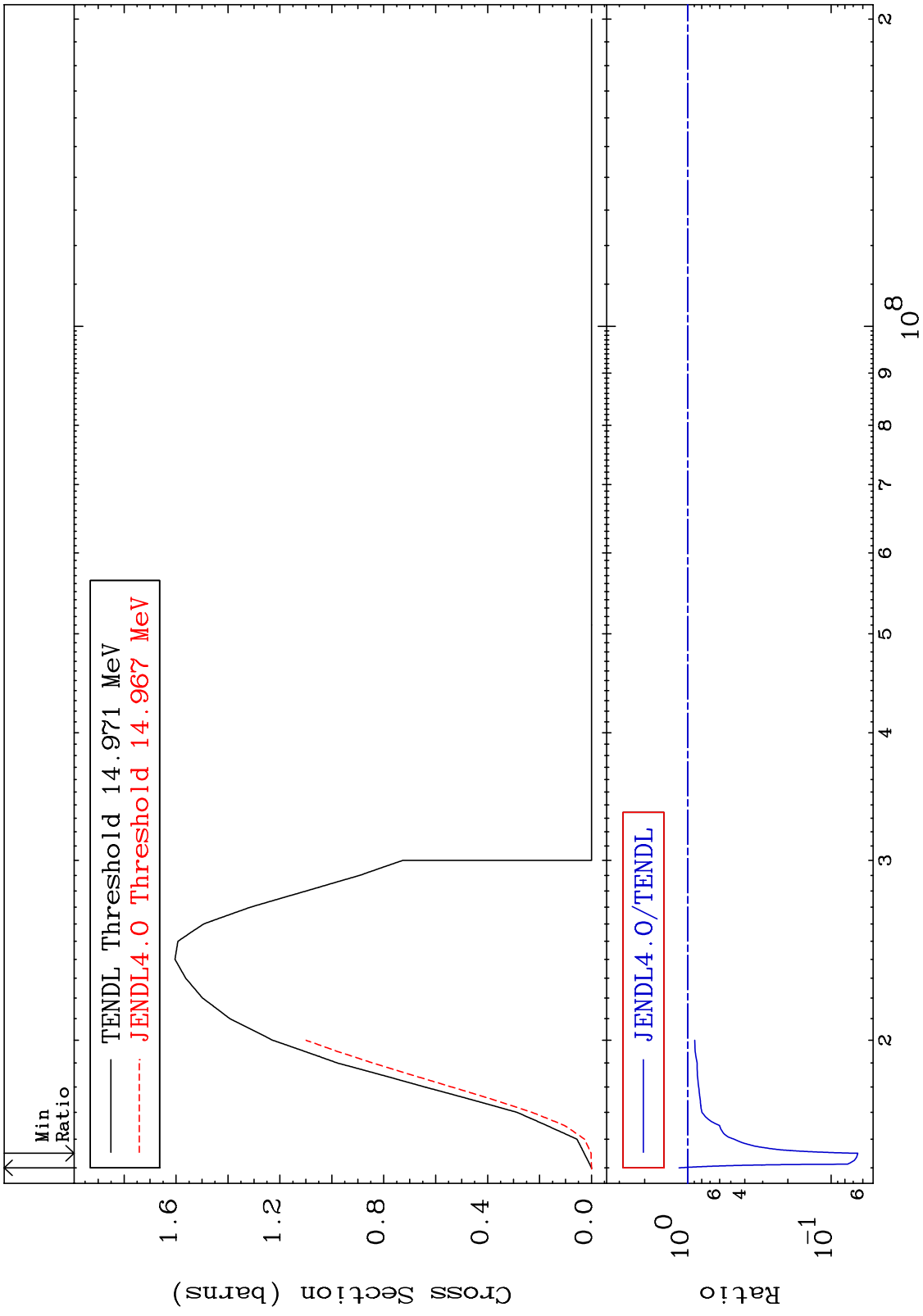


76-Os-186

MAT 7631 76-0s-186
-77.60 To 18.08 %
 (n,2n)
 Cross Section



MAT 7631 (n,3n) Cross Section 76-0s-186 -93.50 To 14.99 %



MAT 7631

$(n, n') \alpha$

76-Os-186

-100.0 To 9999. %

Cross Section

Min Ratio

Max Ratio

TENDL Threshold 3.3549 keV
JENDL4.0 Threshold 3.4000 keV

Cross Section (milli-barns)

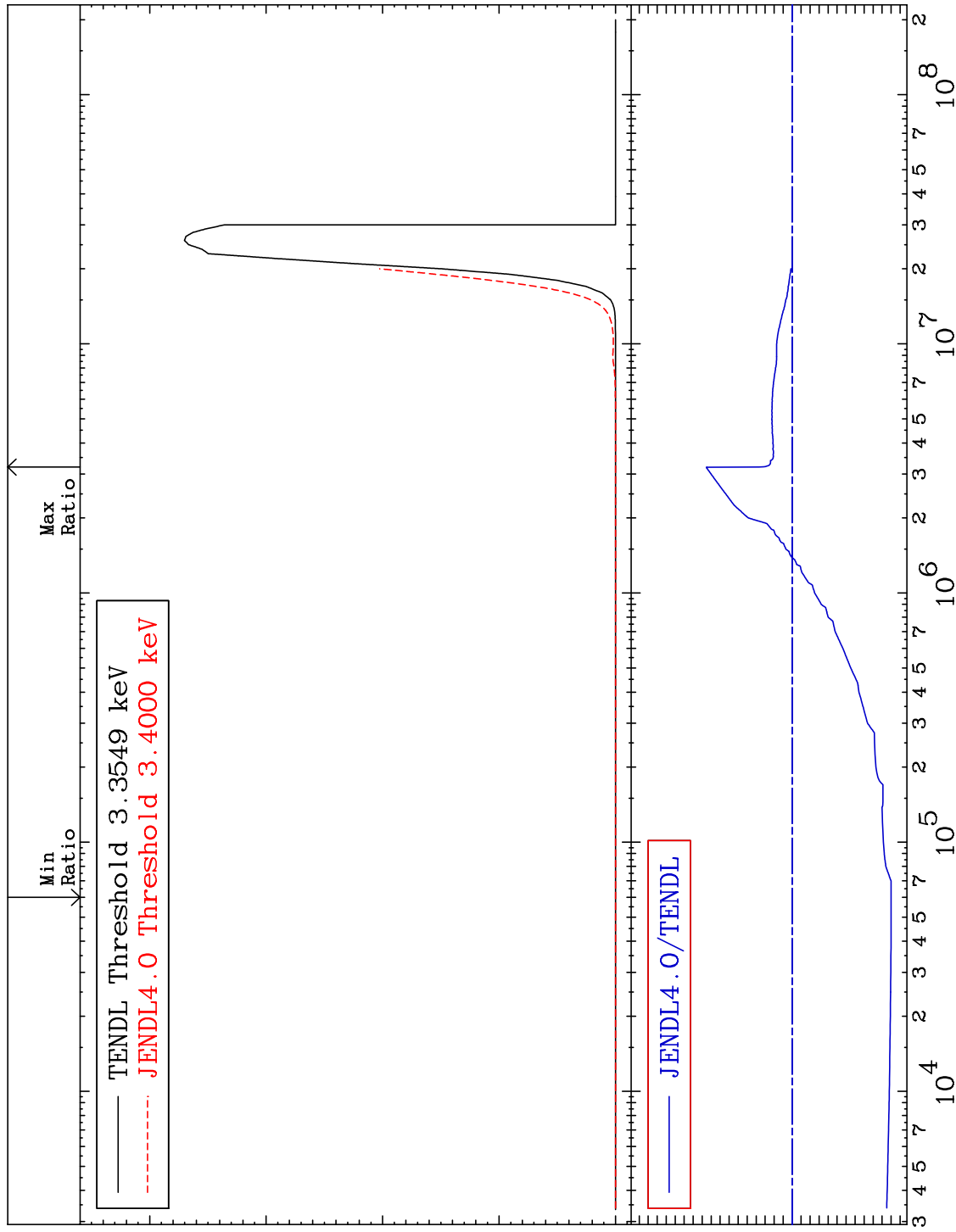
JENDL4.0/TENDL

Ratio

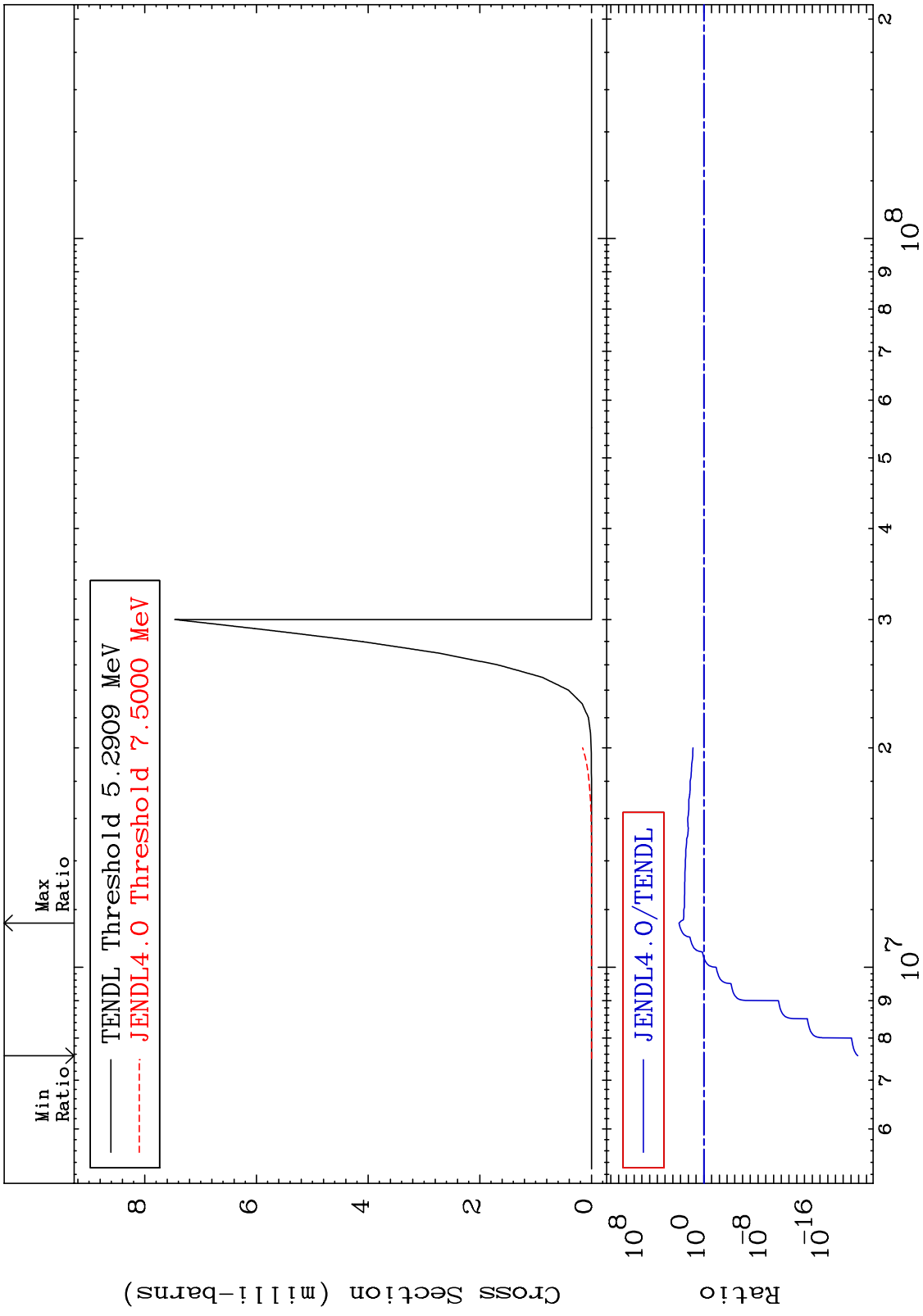
6

Incident Energy (eV)

76-Os-186

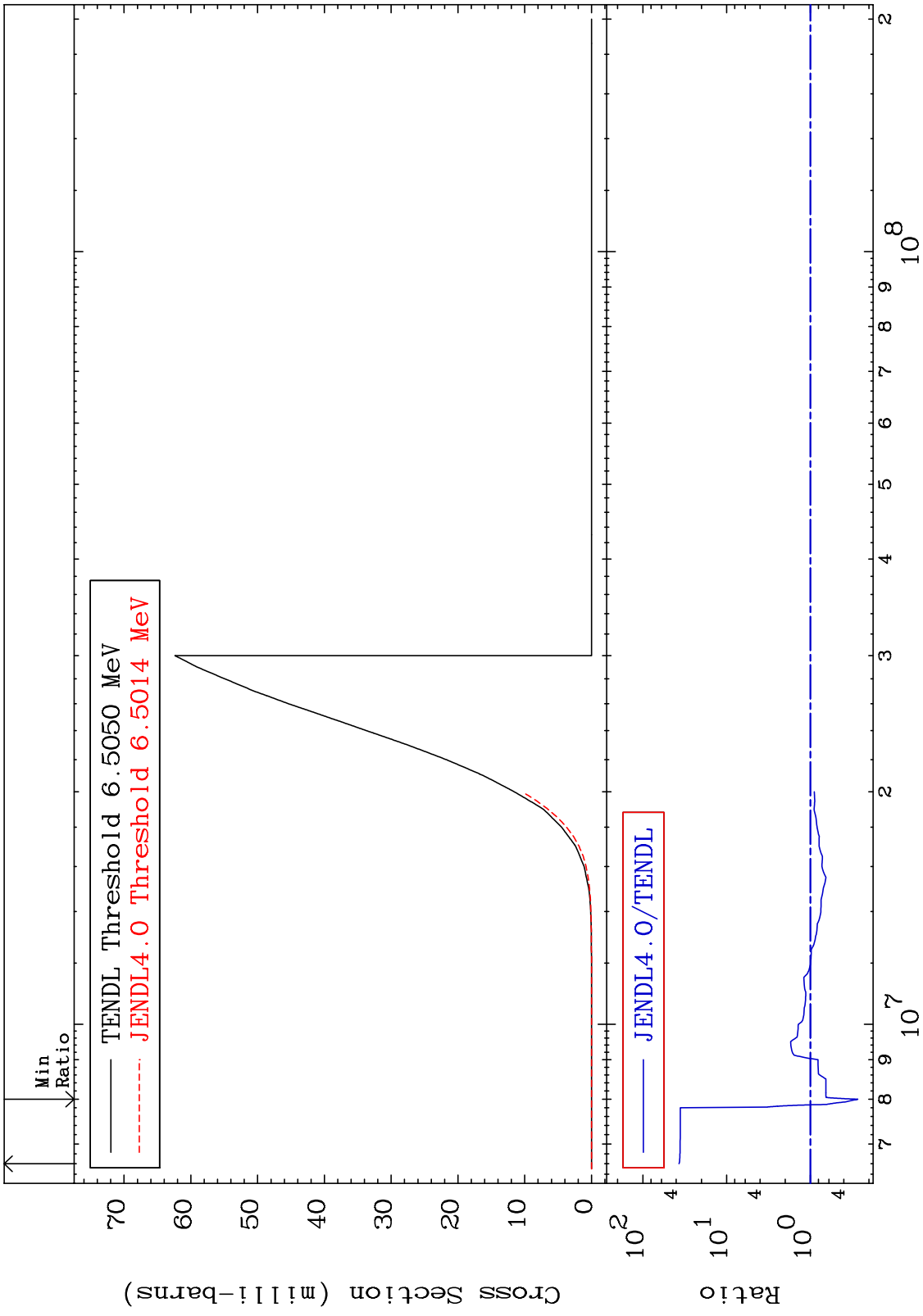


MAT 7631 $(n, 2n) \alpha$ 76-Os-186
 Cross Section -100.0 To 9999. %

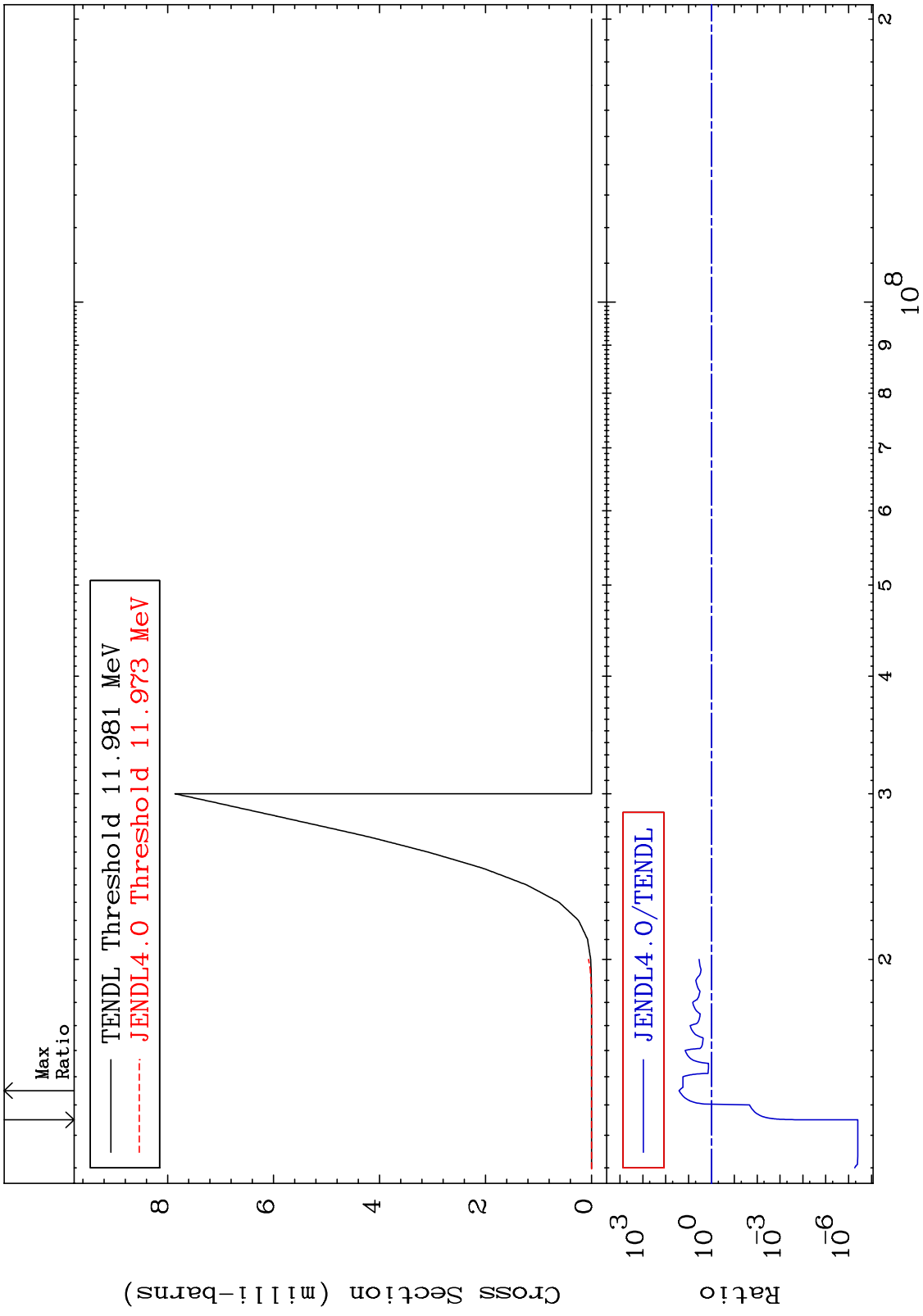


7 76-Os-186 Incident Energy (eV)

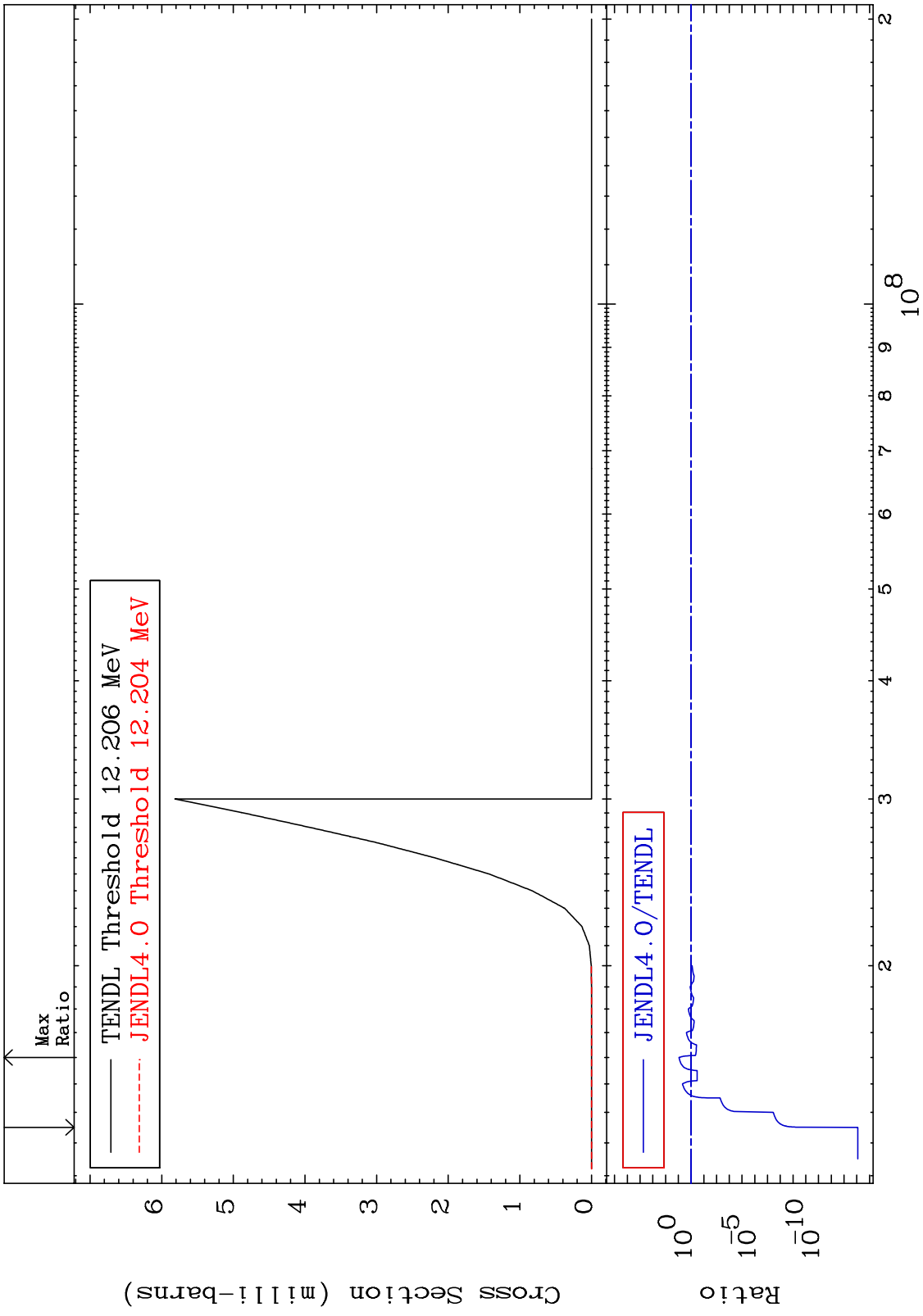
MAT 7631 (n,n') p 76-0s-186
 Cross Section -72.84 To 3598. %



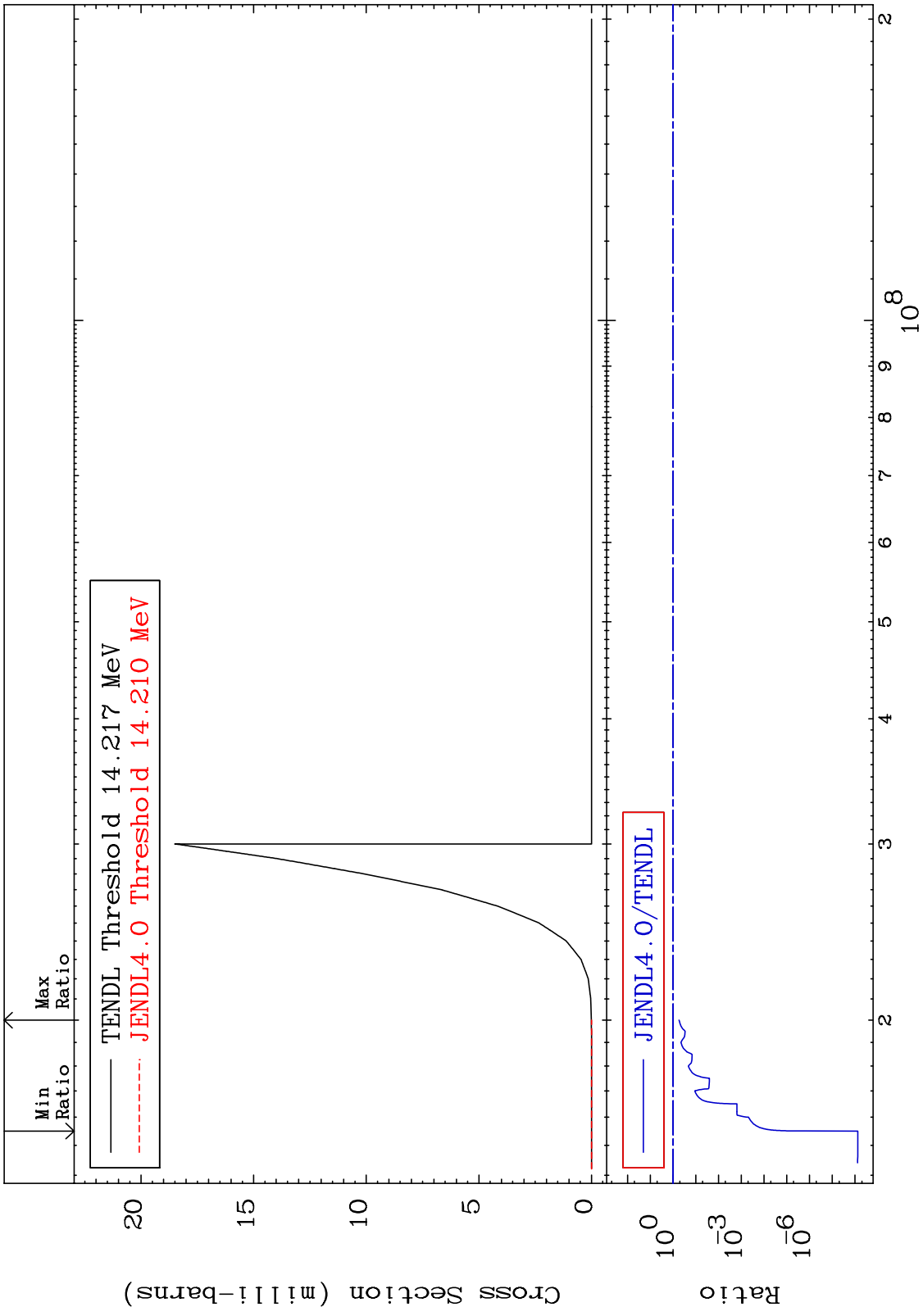
MAT 7631 (n,n') d 76-0s-186
 Cross Section -100.0 To 2519. %



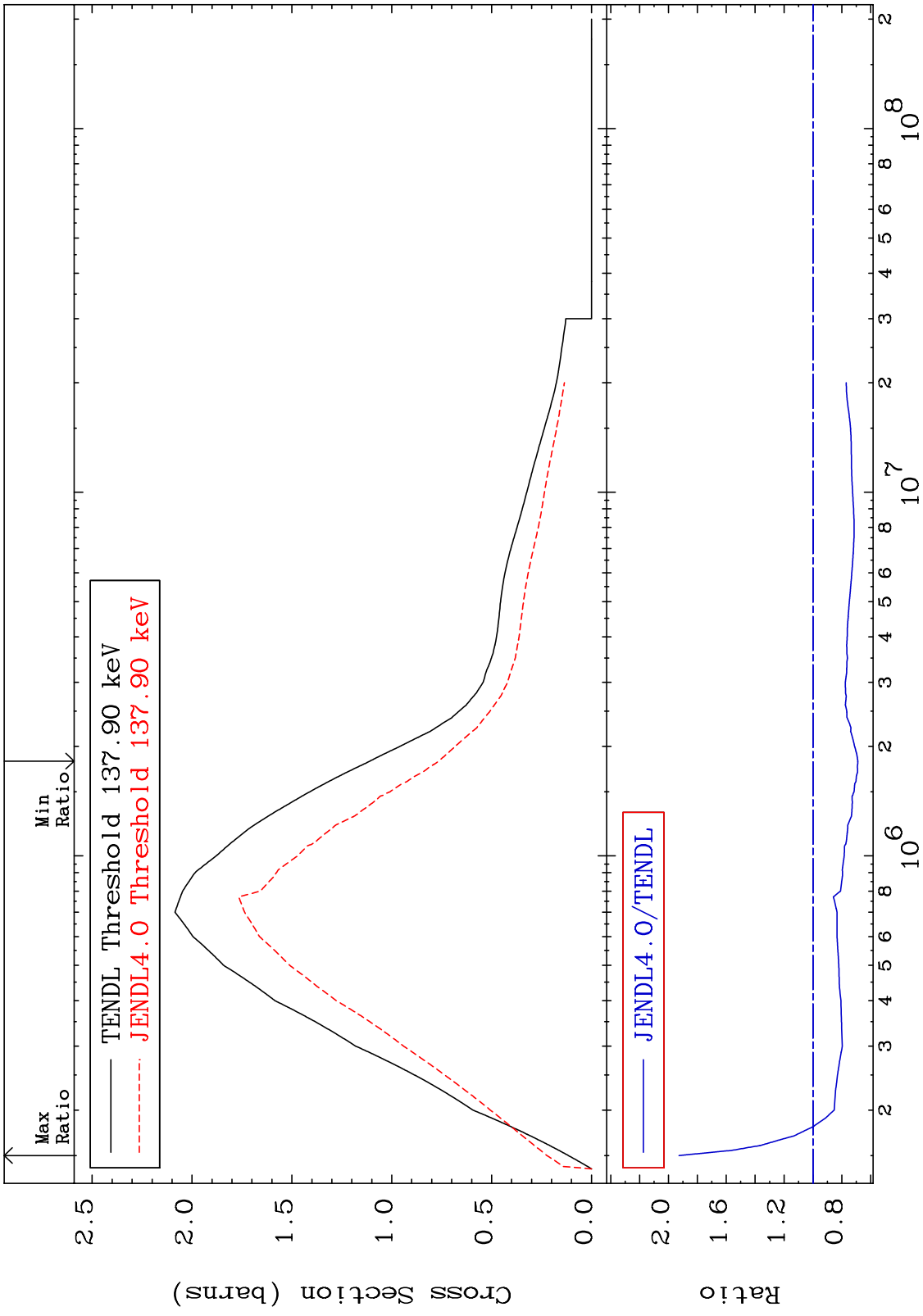
MAT 7631 (n,n') t 76-0s-186
 Cross Section -100.0 To 774.7 %



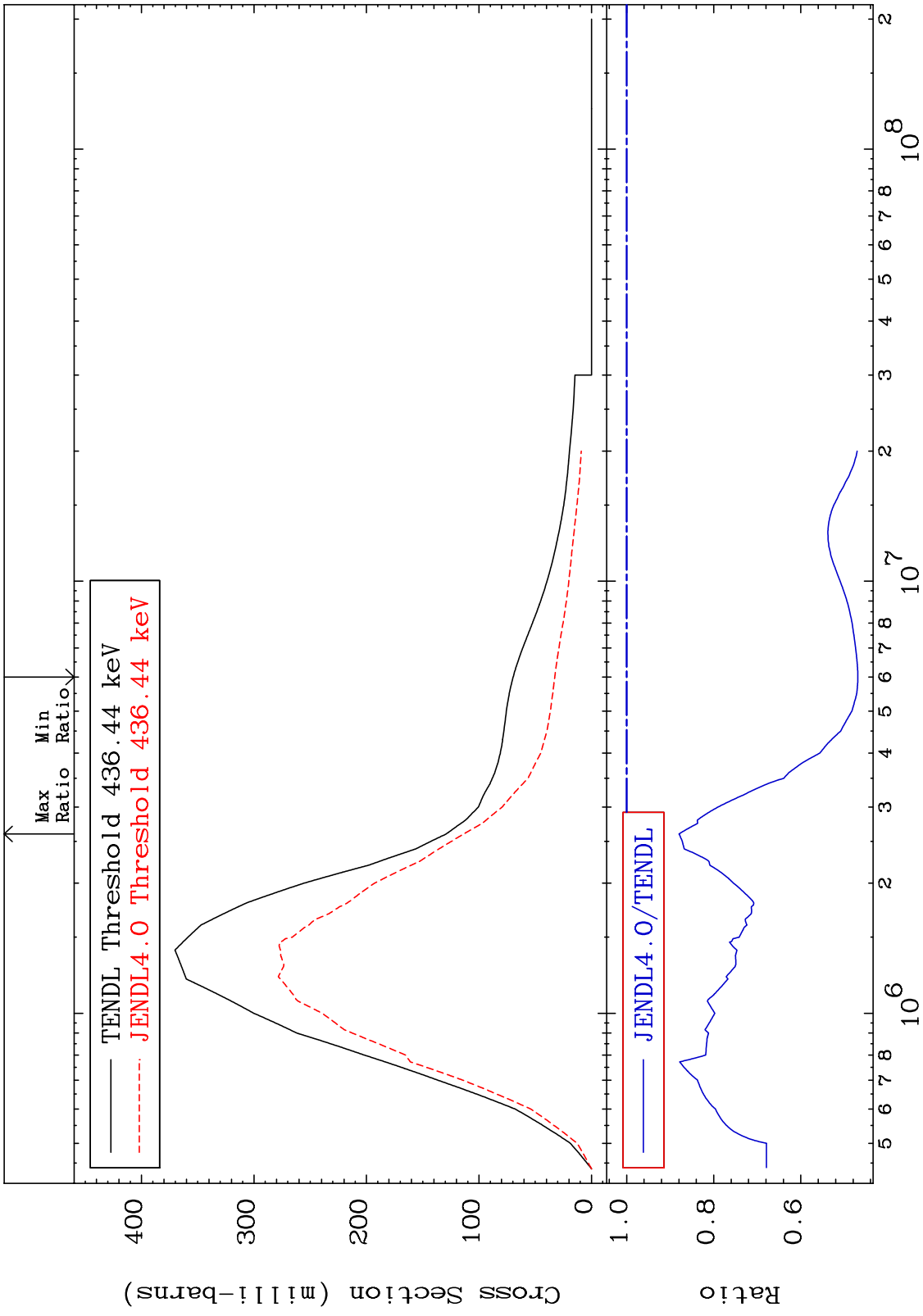
MAT 7631 (n,2n) p 76-0s-186
 Cross Section -100.0 To -45.77%



MAT 7631 MT= 51 (n,n') Level Cross Section 76-Os-186 -31.09 To 92.68 %

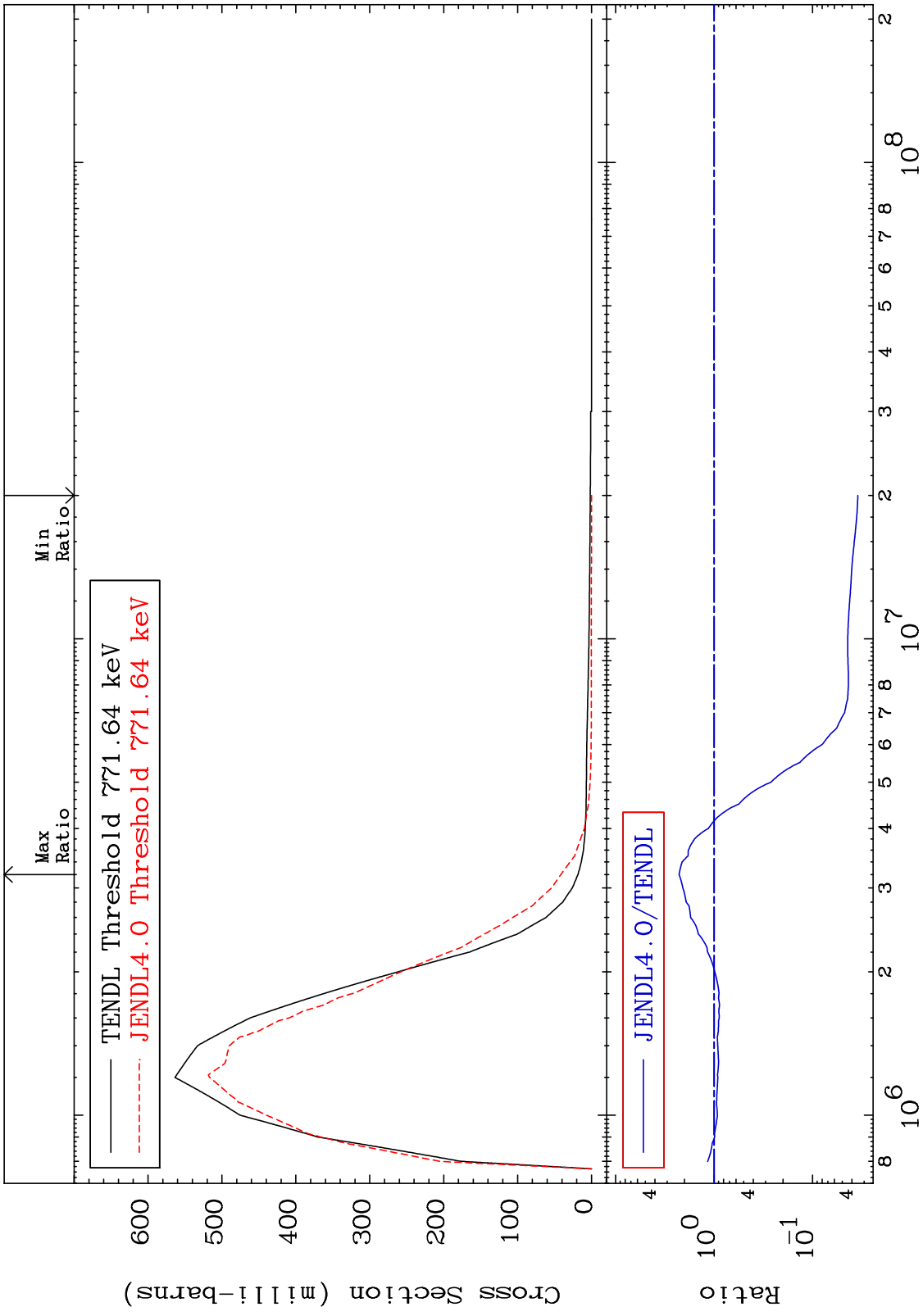


MAT 7631 MT= 52 (n,n') Level Cross Section 76-0s-186
 -53.09 To -12.04%



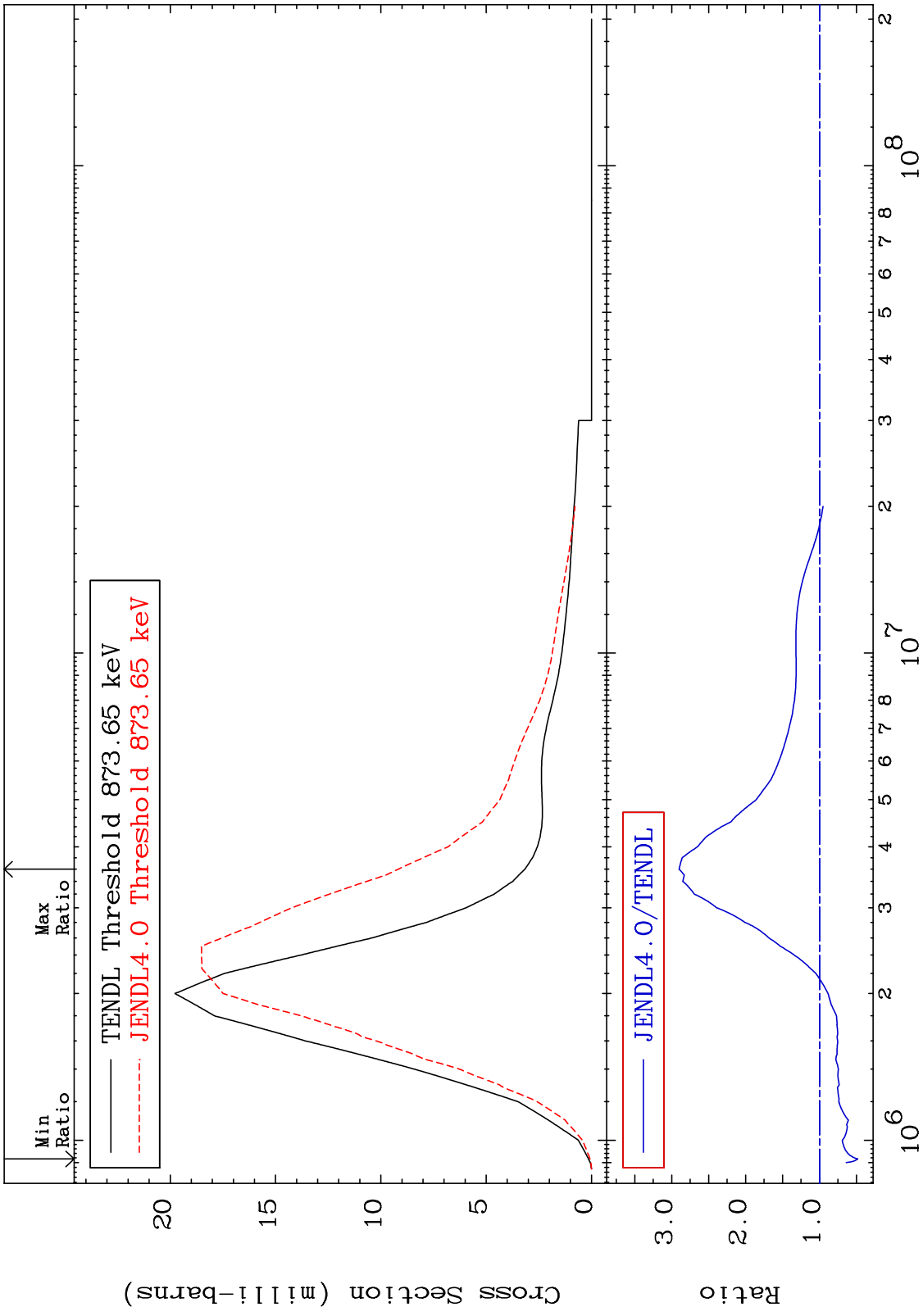
13 76-0s-186

MAT 7631 MT= 53 (n,n') Level Cross Section 76-Os-186 -96.53 To 127.1 %

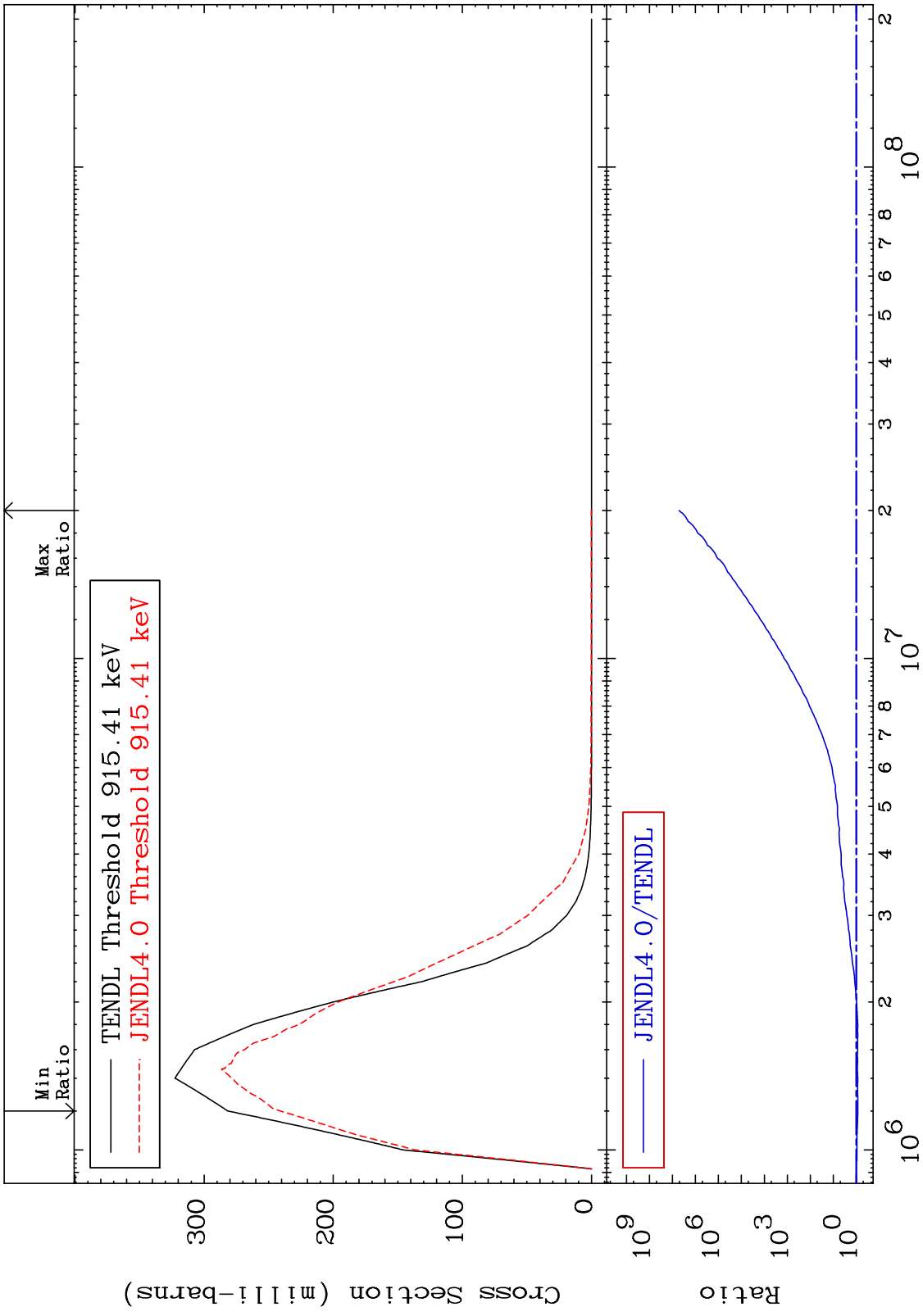


14 76-Os-186

MAT 7631 MT= 54 (n,n') Level Cross Section 76-0s-186
-51.89 To 190.1 %

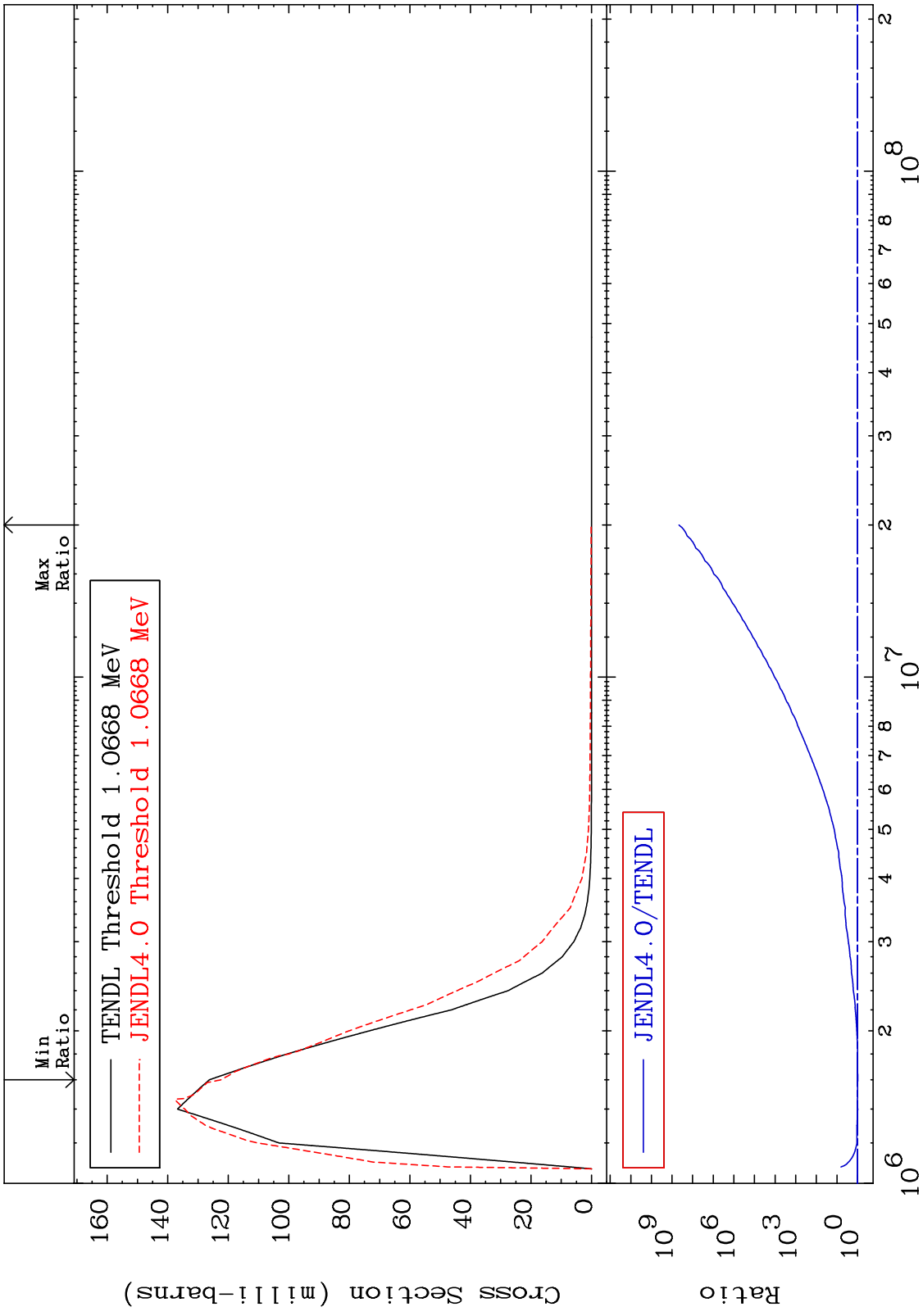


MAT 7631 MT= 55 (n,n') Level 76-Os-186
Cross Section -14.49 To 9999. %



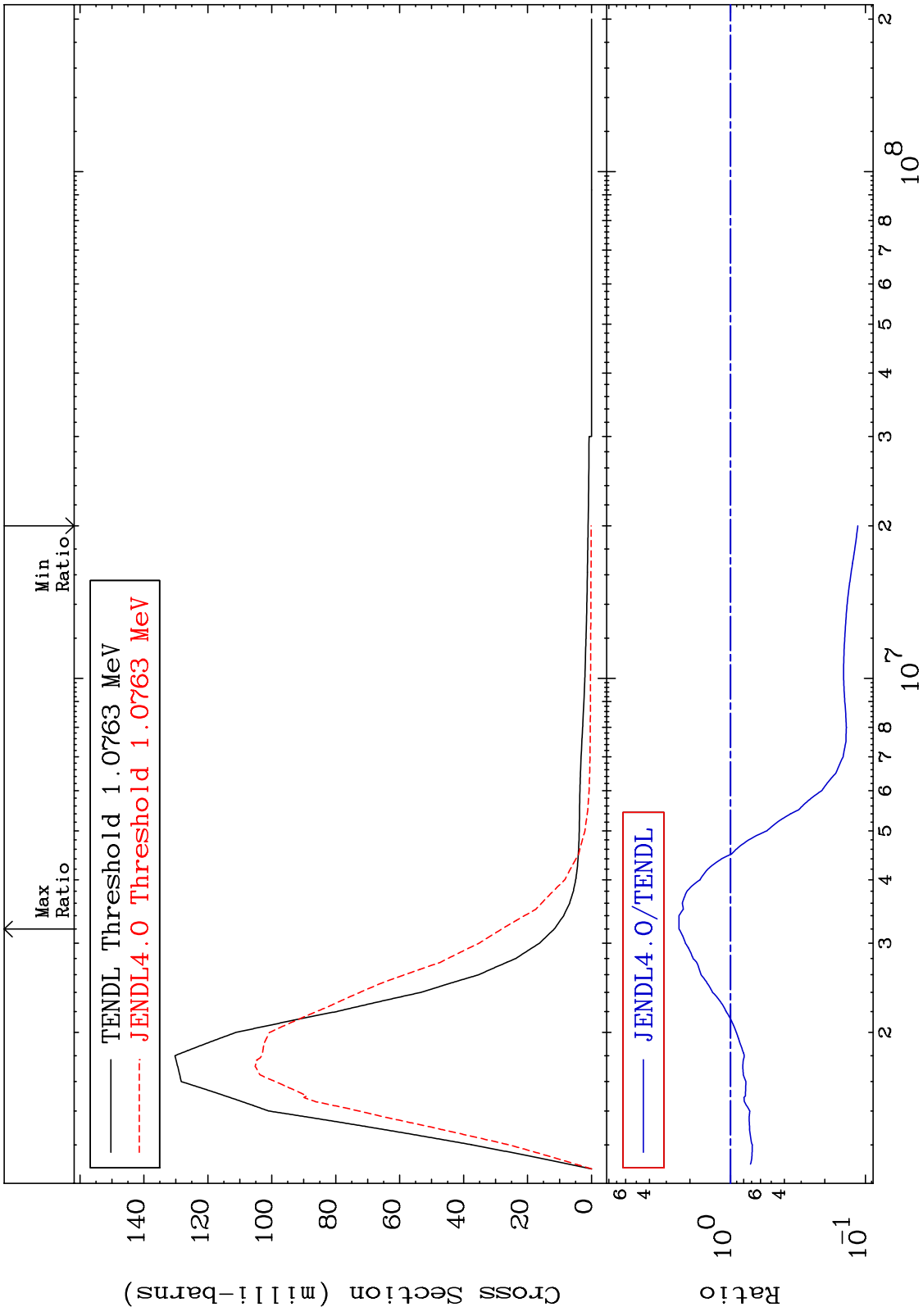
16 Incident Energy (eV) 76-Os-186

MAT 7631 MT= 56 (n,n') Level Cross Section 76-0s-186
 -3.008 To 9999. %

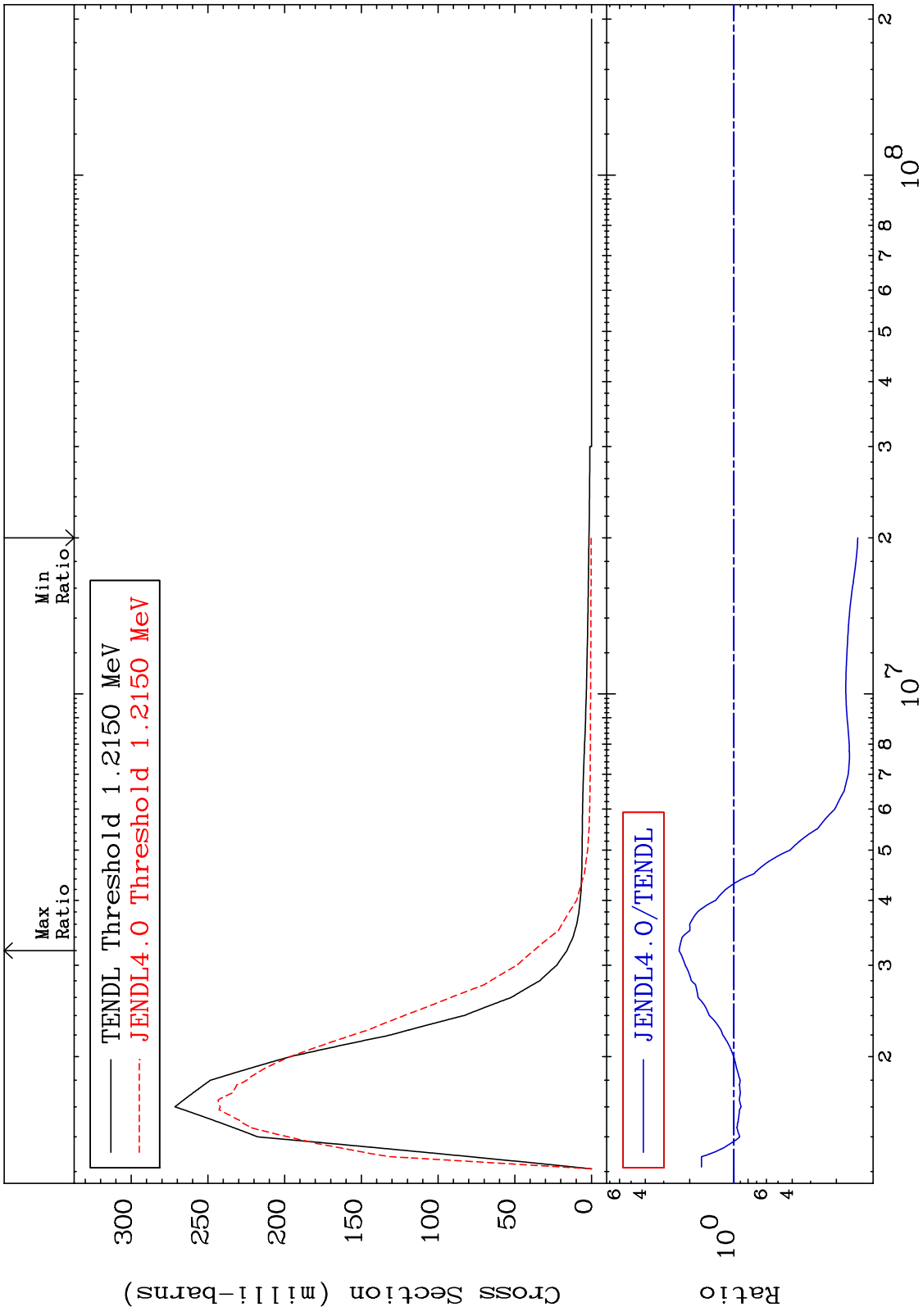


17 Incident Energy (eV) 76-0s-186

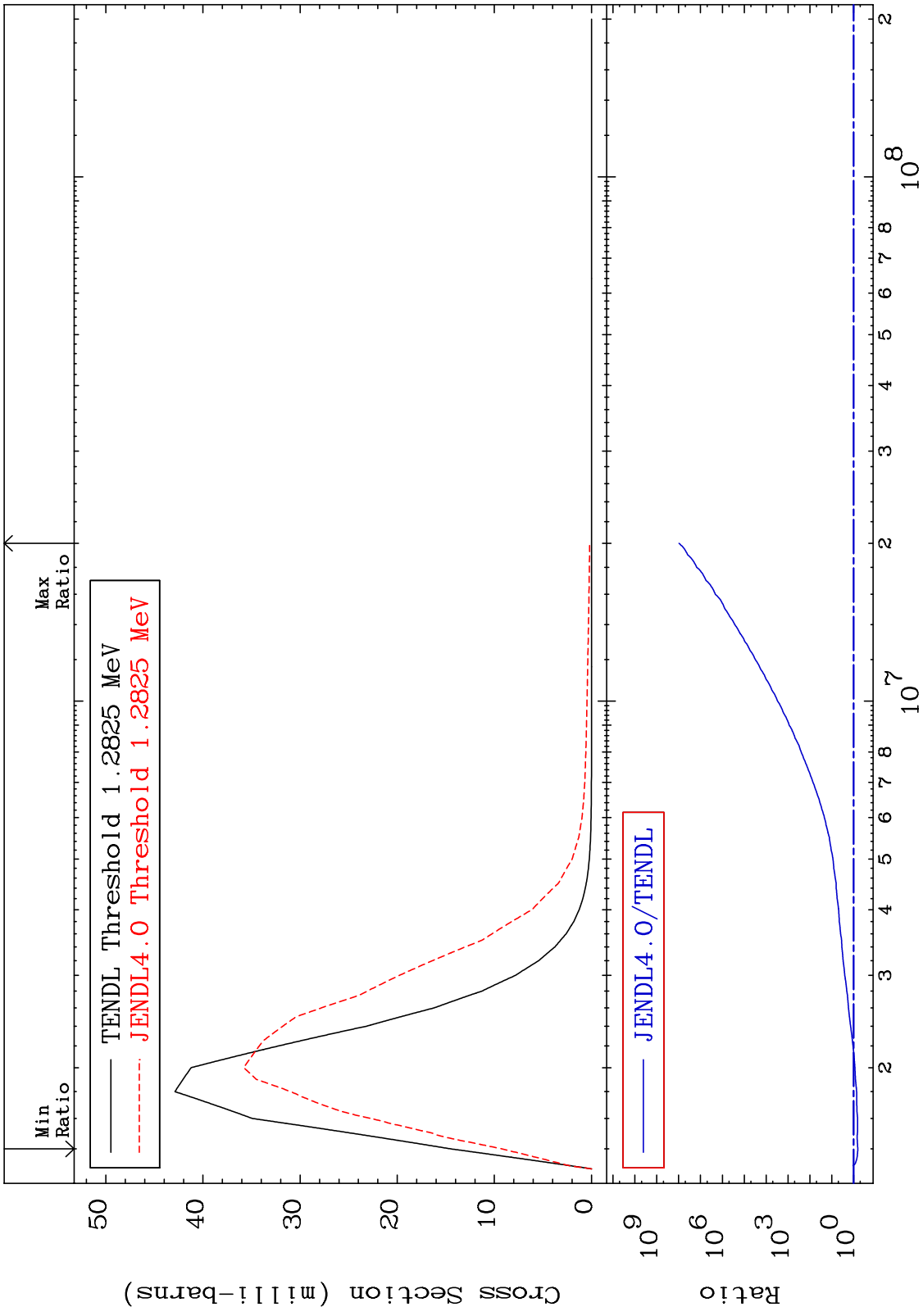
MAT 7631 MT= 57 (n,n') Level Cross Section 76-0s-186
 -88.61 To 141.0 %



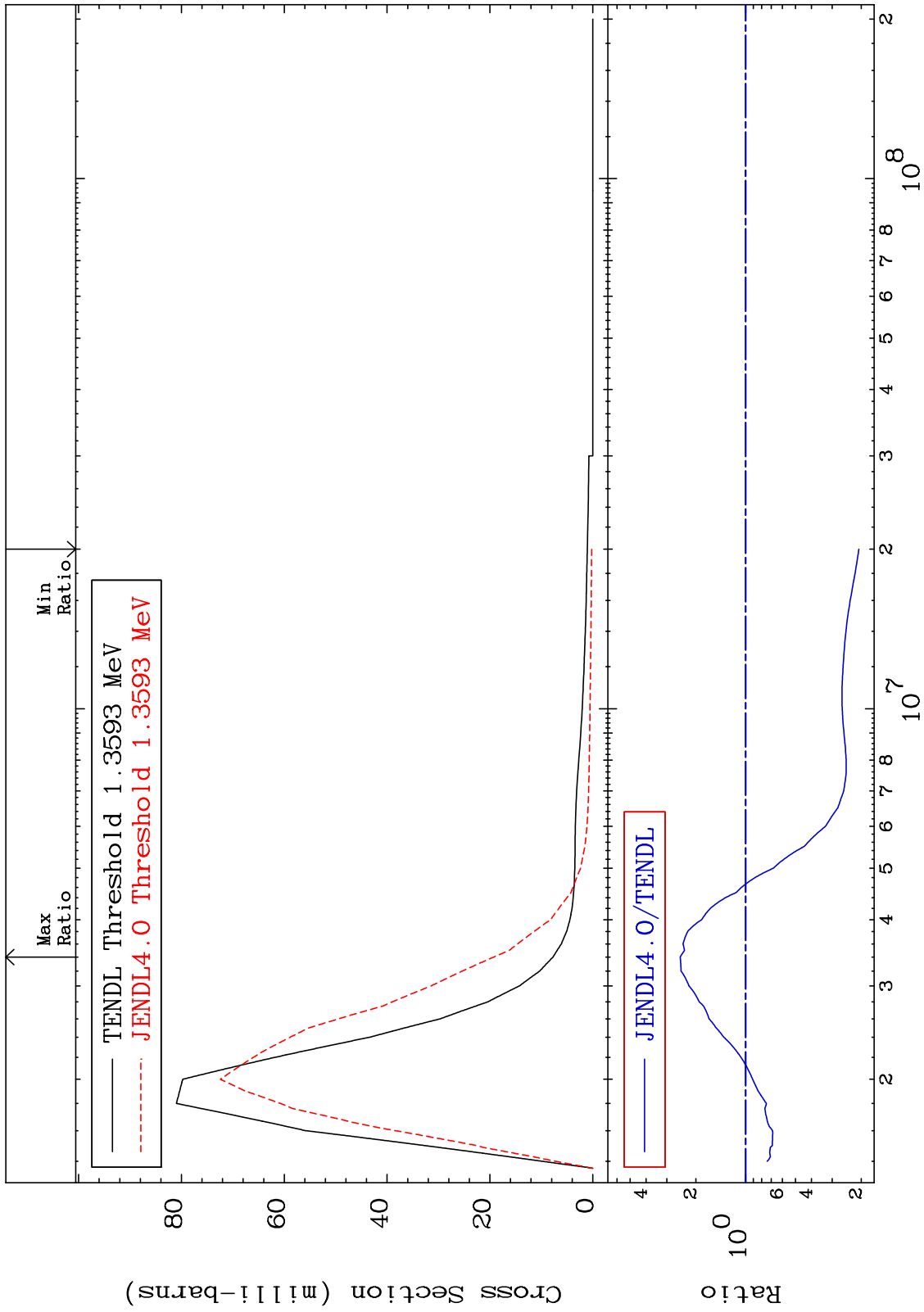
MAT 7631 MT= 58 (n,n') Level Cross Section 76-0s-186
 -85.72 To 136.0 %



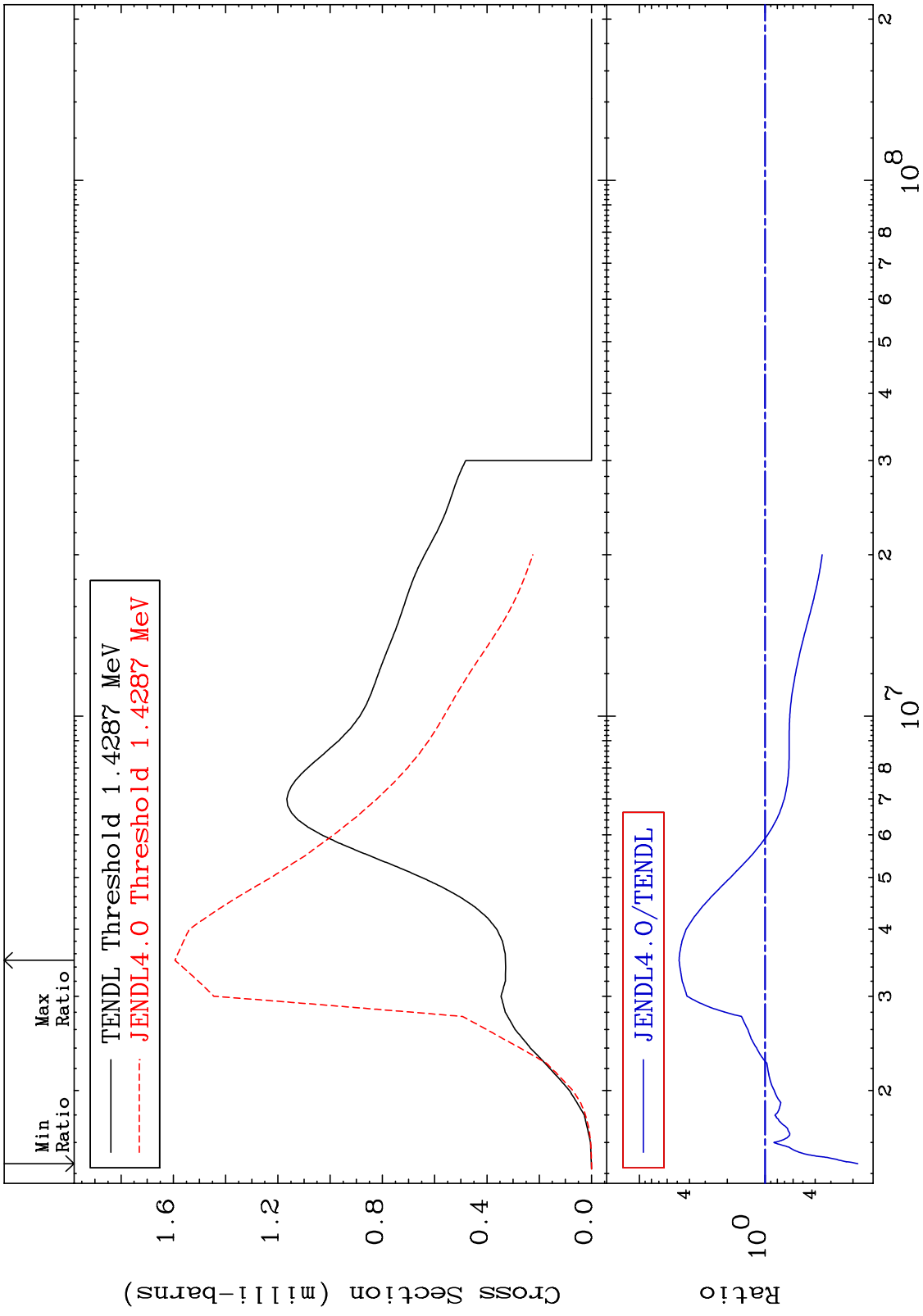
MAT 7631 MT= 59 (n,n') Level Cross Section 76-Os-186
 -36.25 To 9999. %



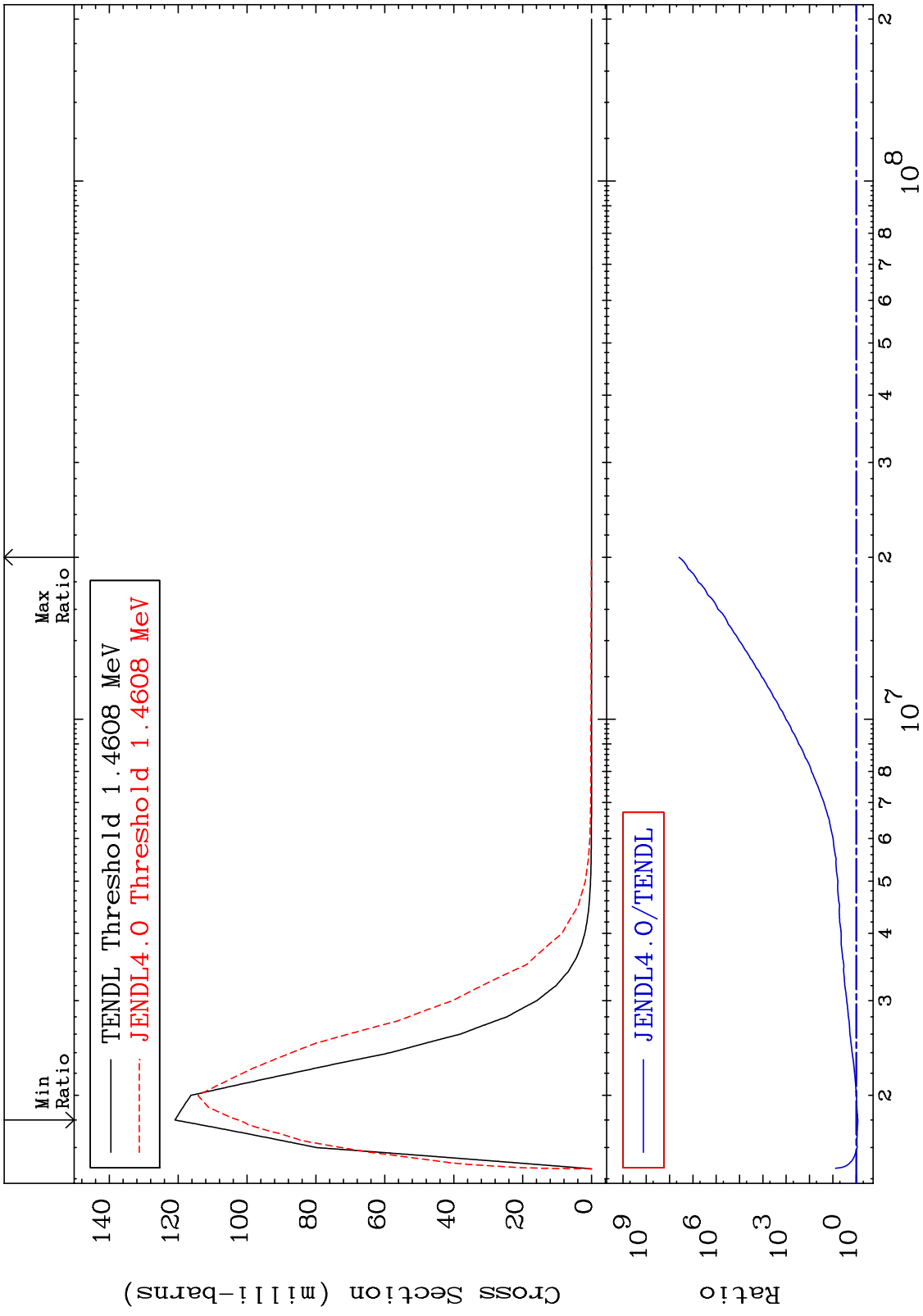
MAT 7631 MT= 60 (n,n') Level Cross Section 76-Os-186
 -79.32 To 148.9 %



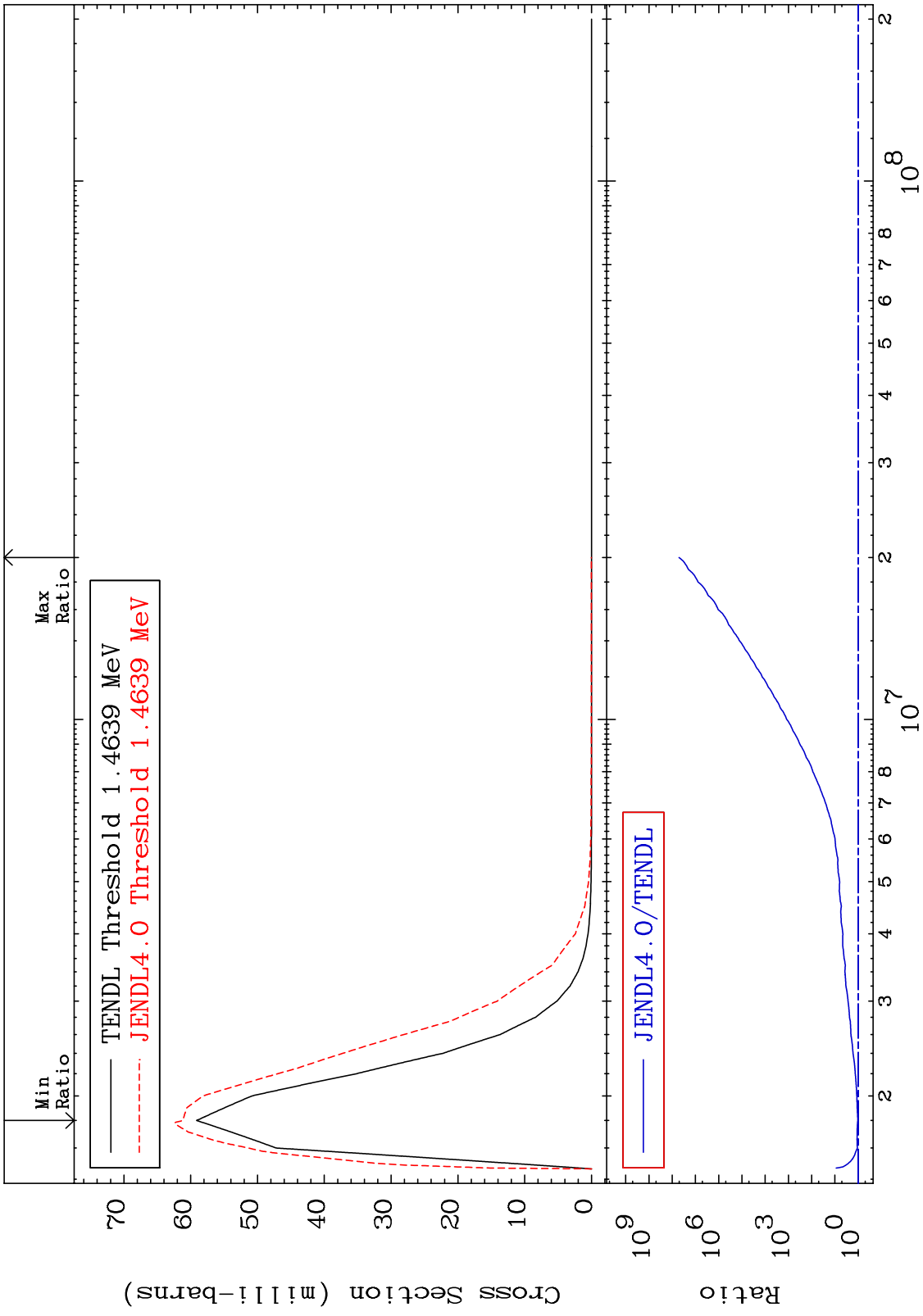
MAT 7631 MT= 61 (n,n') Level Cross Section 76-0s-186
 -81.67 To 383.4 %



MAT 7631 MT= 62 (n,n') Level Cross Section 76-0s-186
 -15.22 To 9999. %



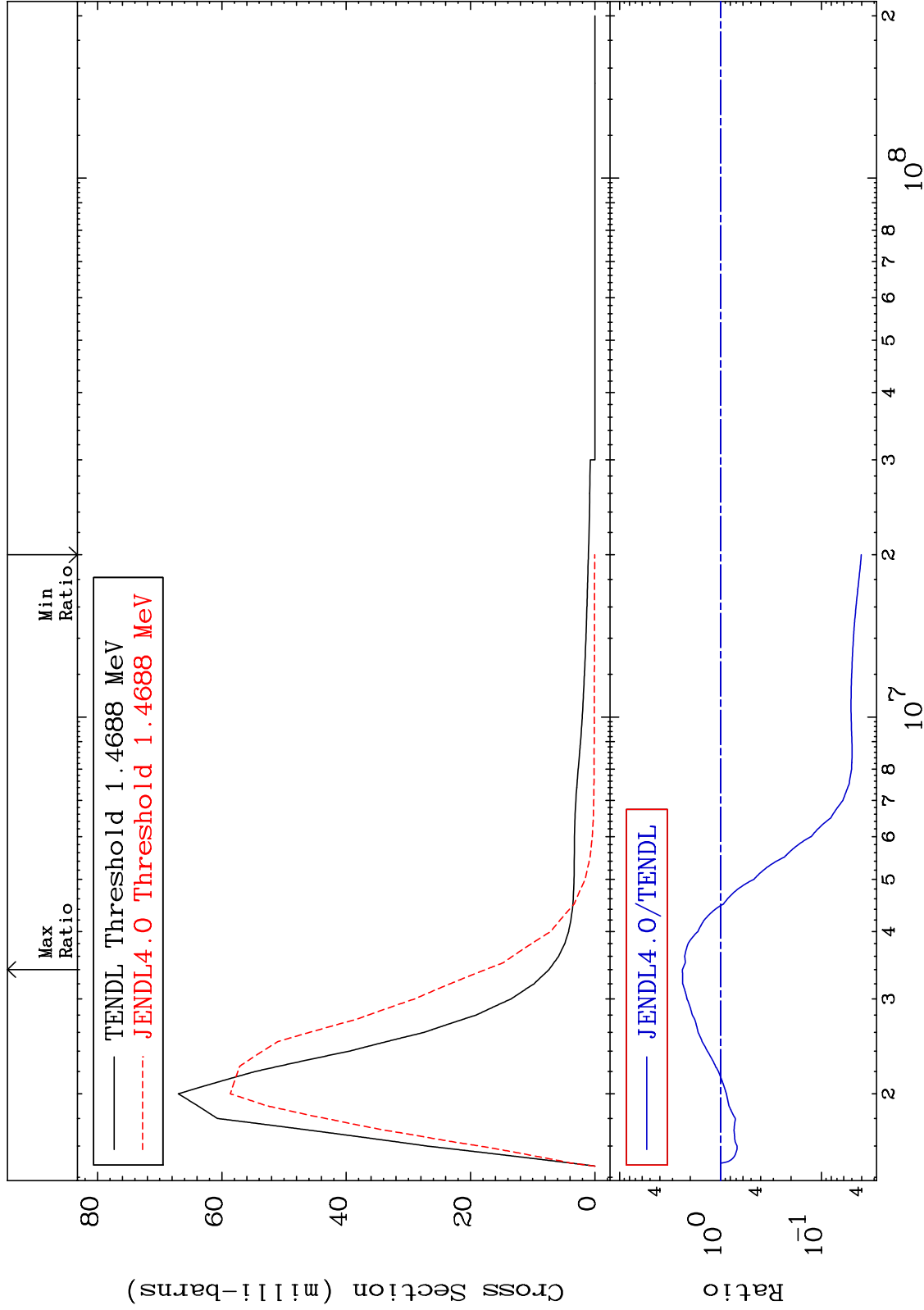
MAT 7631 MT= 63 (n,n') Level Cross Section 76-0s-186 To 9999. %



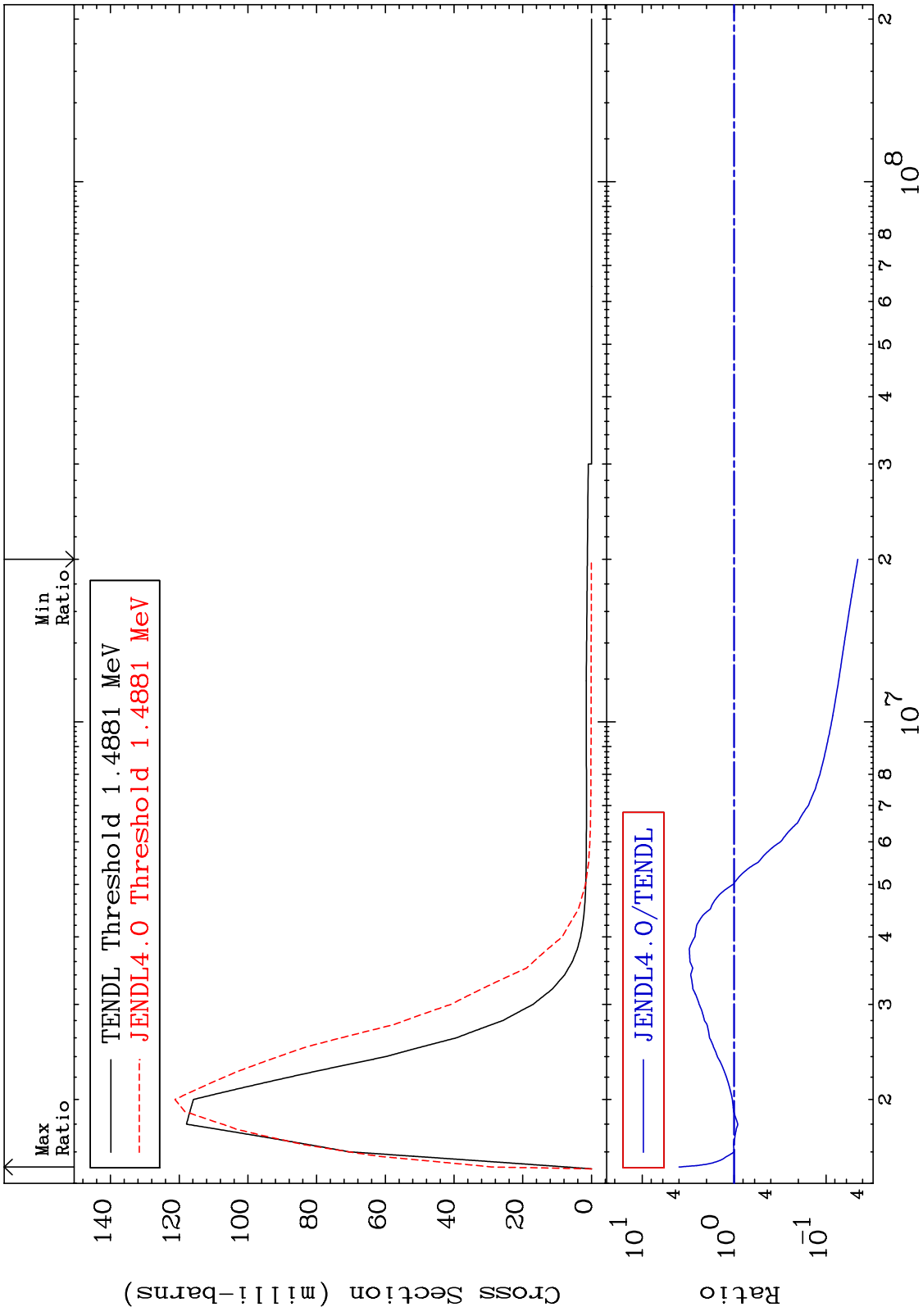
MAT 7631

MT= 64 (n,n') Level
Cross Section

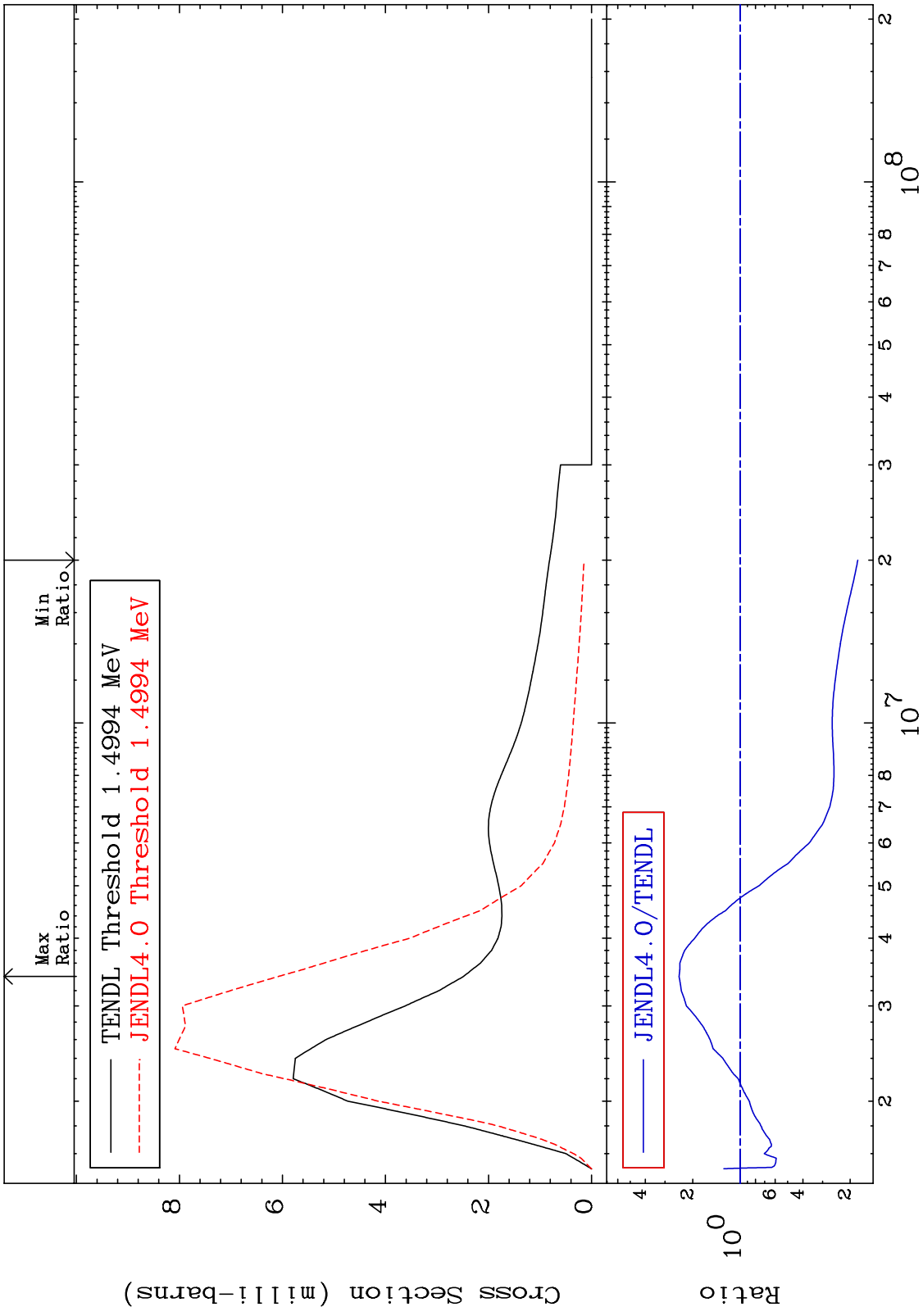
76-0s-186
-95.97 To 138.7 %



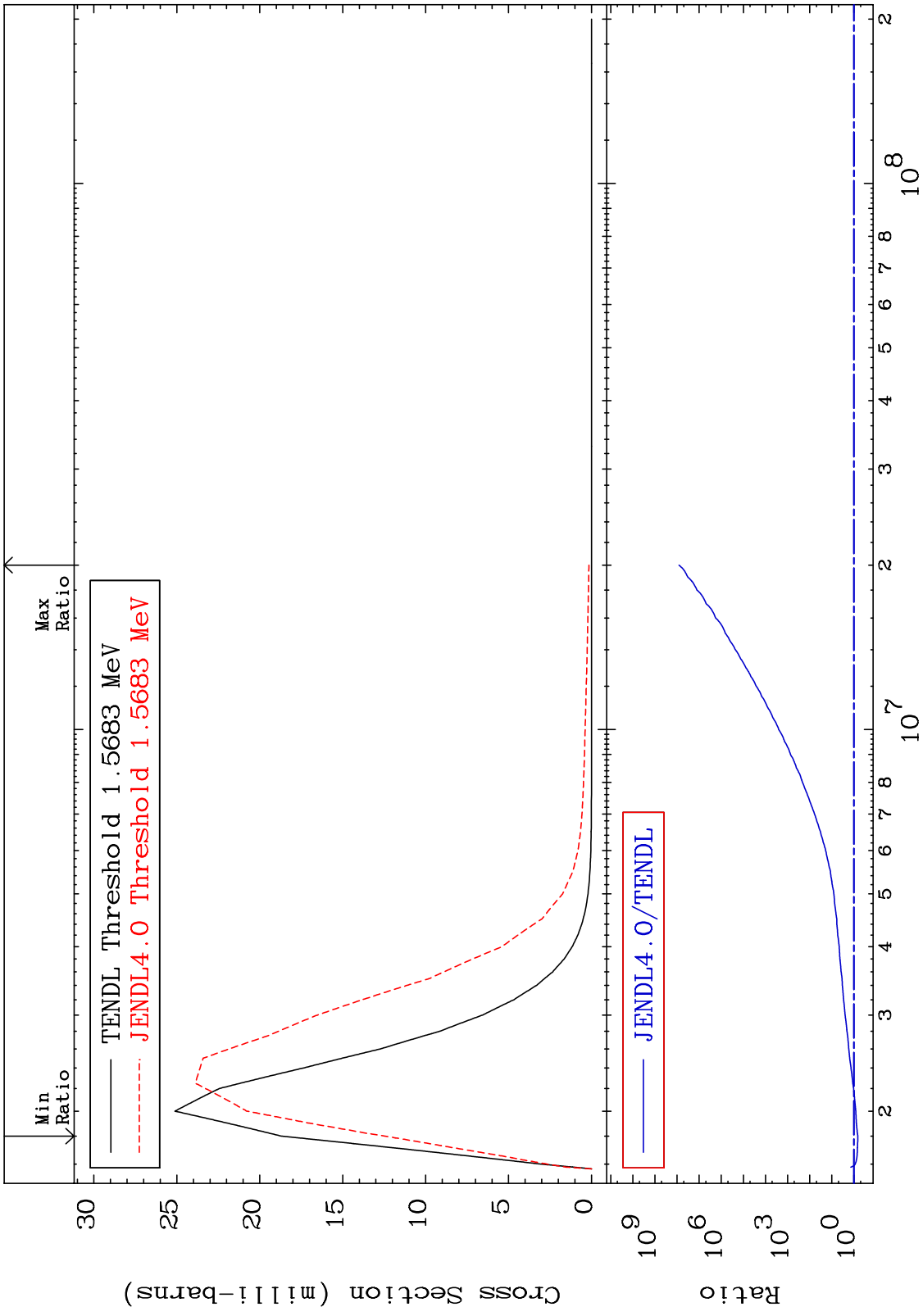
MAT 7631 MT= 65 (n,n') Level Cross Section 76-0s-186
 -95.50 To 298.3 %



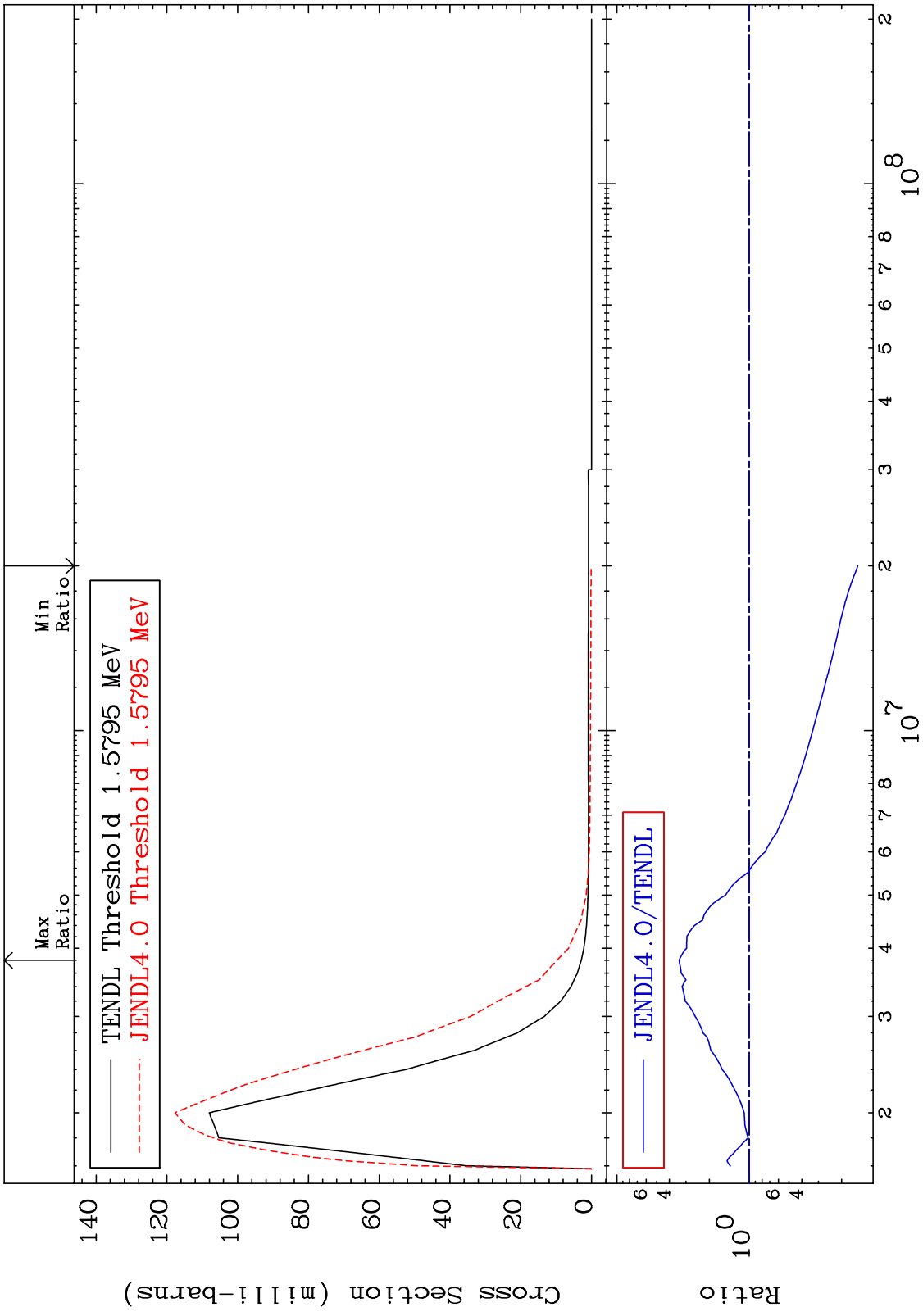
MAT 7631 MT= 66 (n,n') Level Cross Section 76-0s-186
 -82.11 To 144.5 %



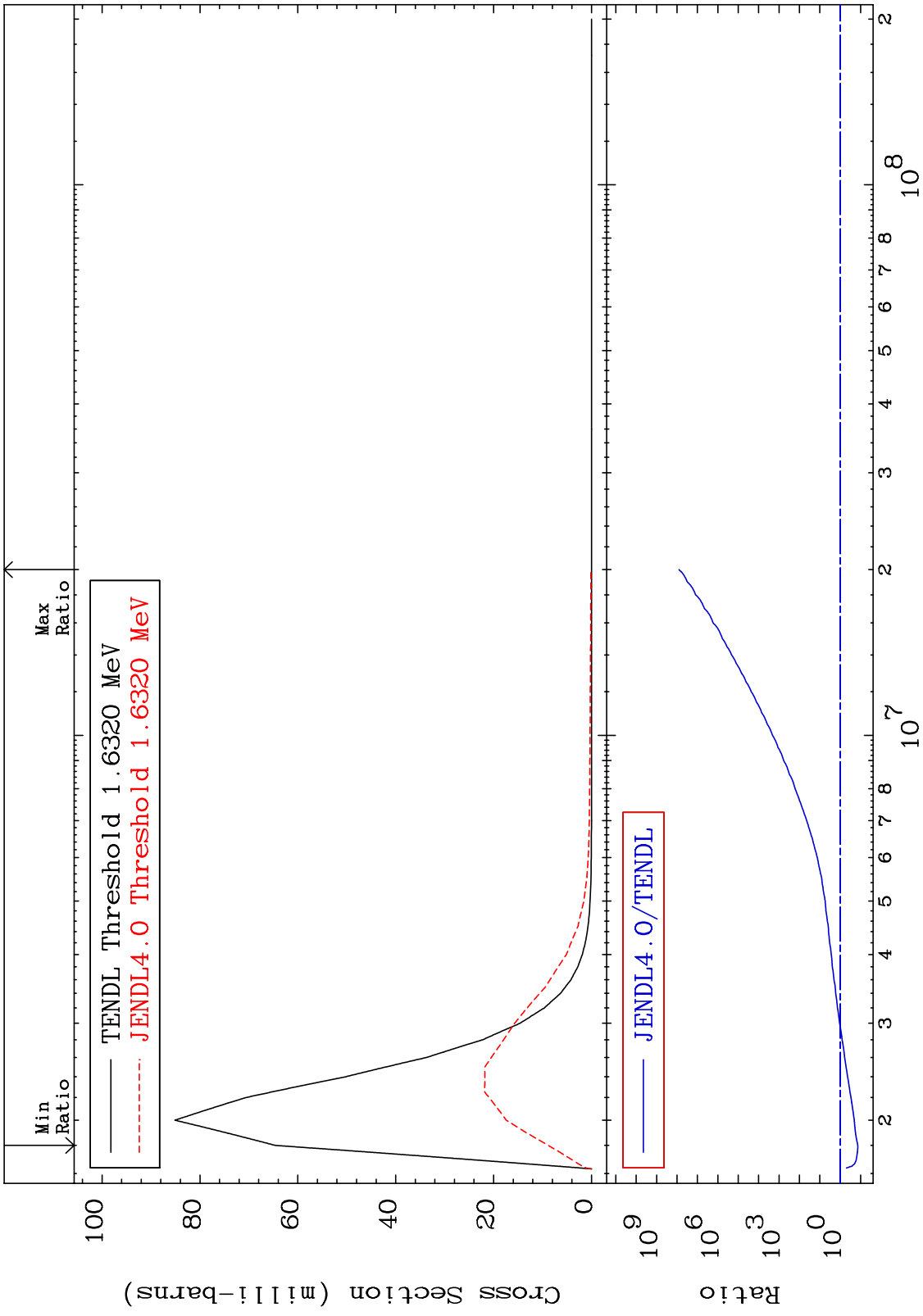
MAT 7631 MT= 67 (n,n') Level Cross Section 76-0s-186
 -33.37 To 9999. %



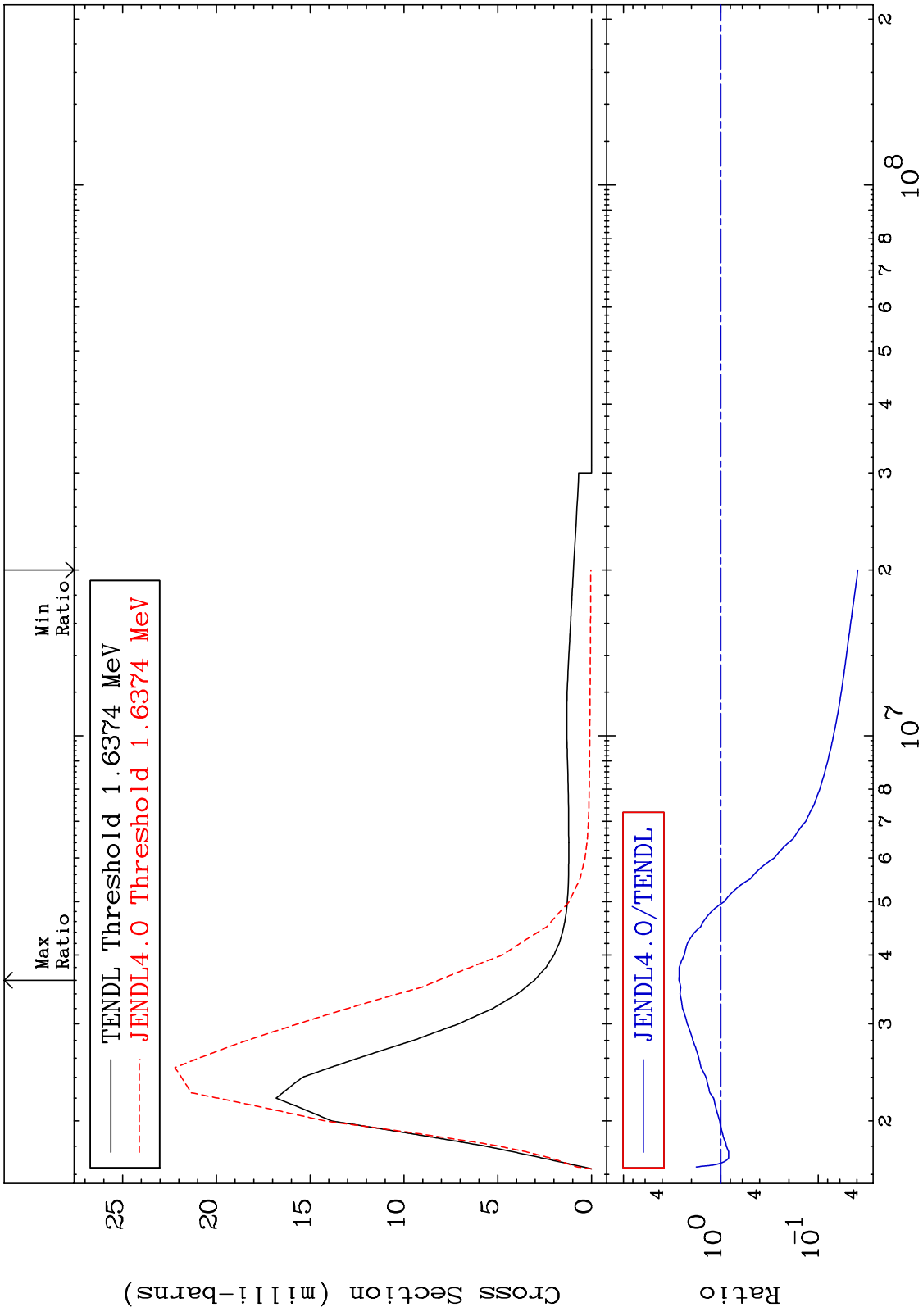
MAT 7631 MT= 68 (n,n') Level Cross Section 76-0s-186
 -84.91 To 238.6 %



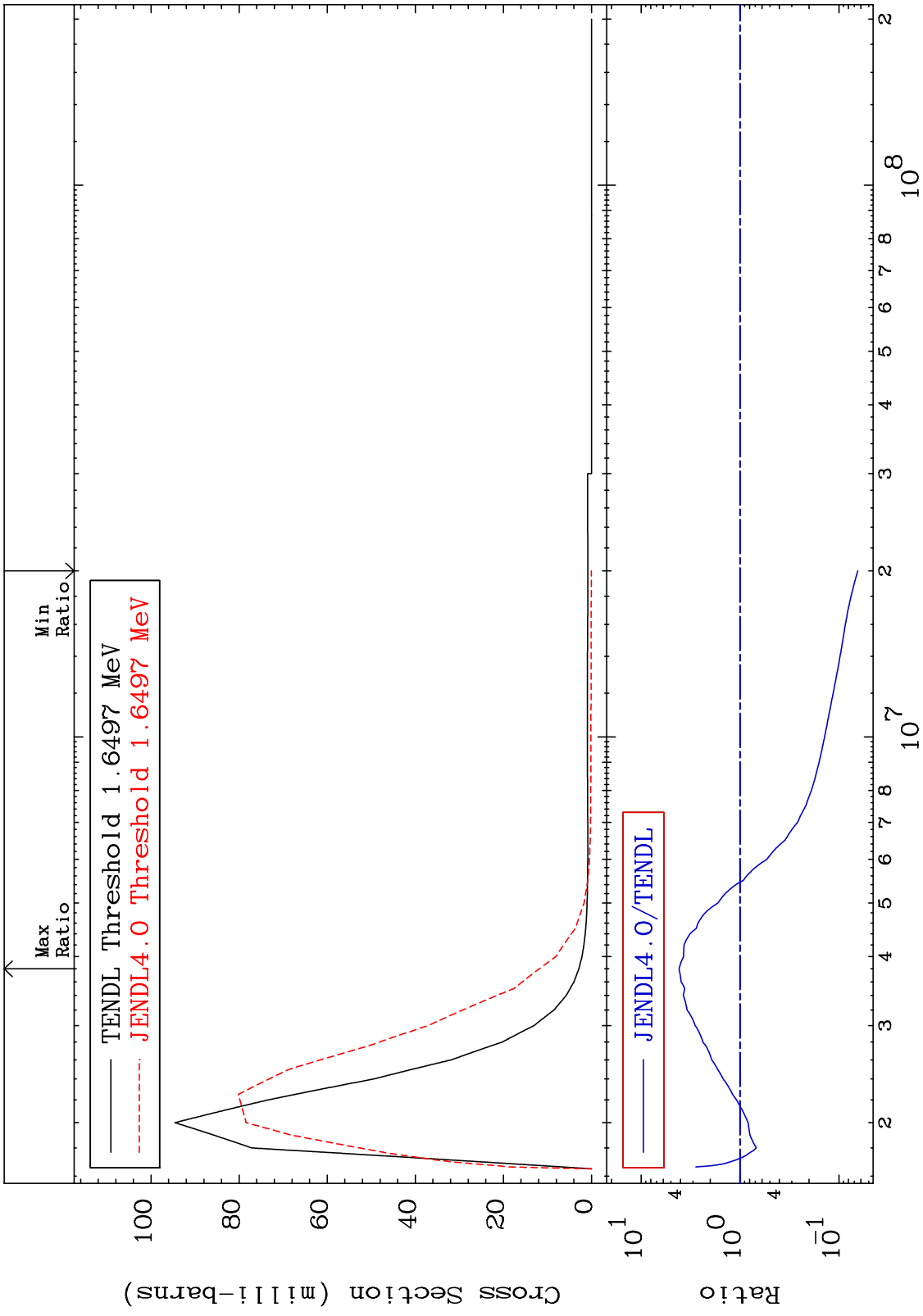
MAT 7631 MT= 69 (n,n') Level Cross Section 76-Os-186
 -86.34 To 9999. %



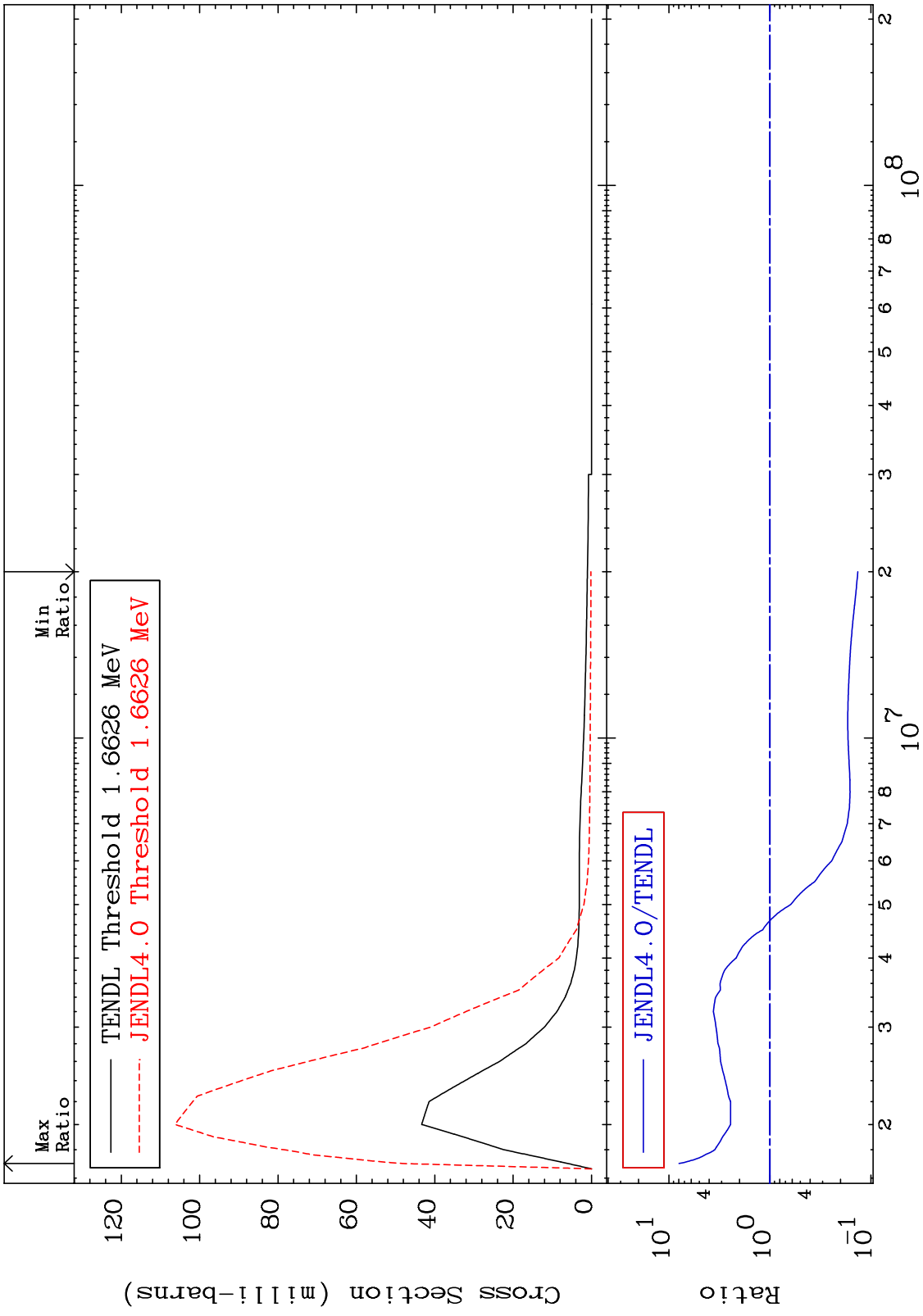
MAT 7631 MT= 70 (n,n') Level Cross Section 76-0s-186
 -96.08 To 168.3 %



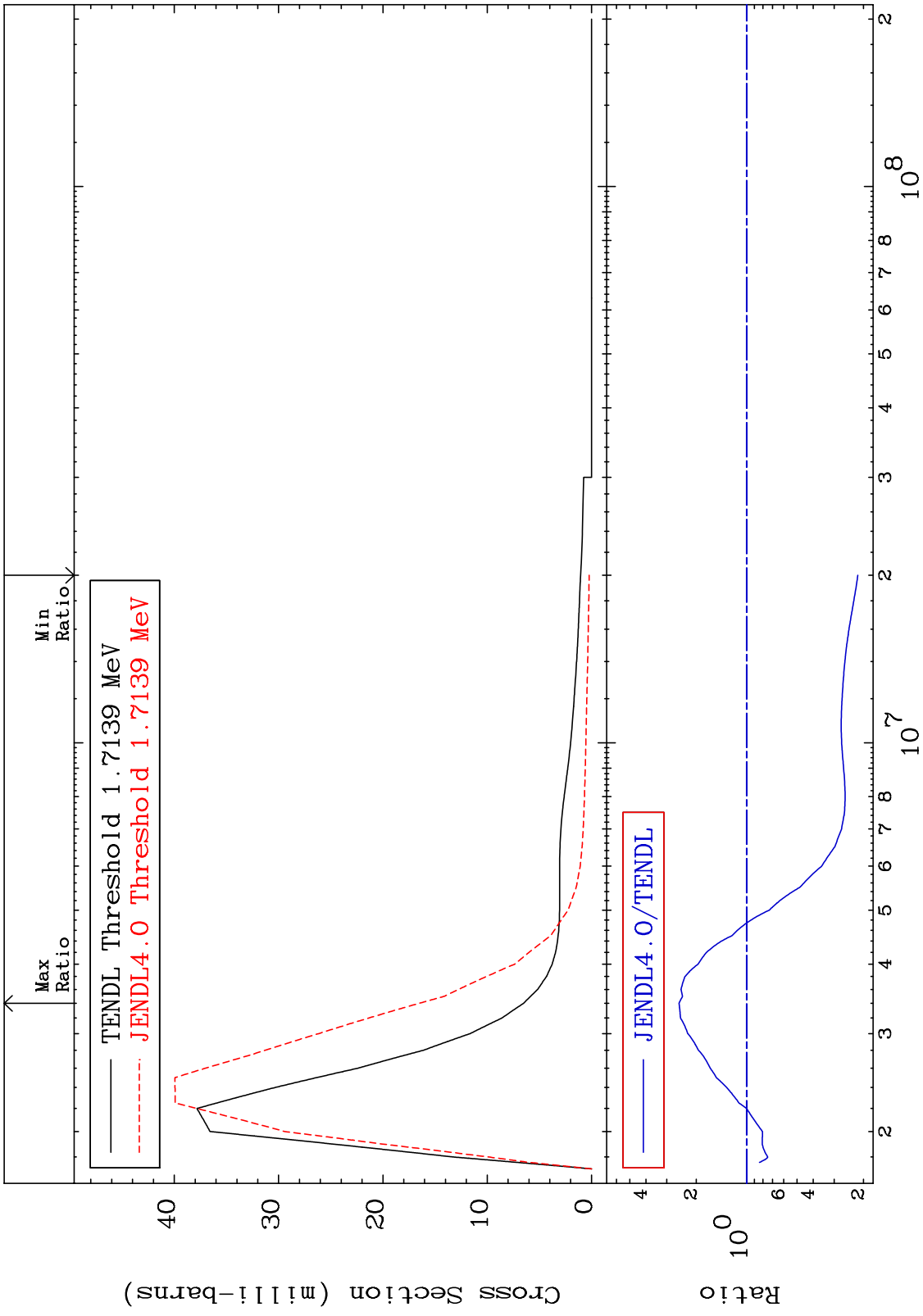
MAT 7631 MT= 71 (n,n') Level 76-0s-186
 Cross Section -93.57 To 314.3 %



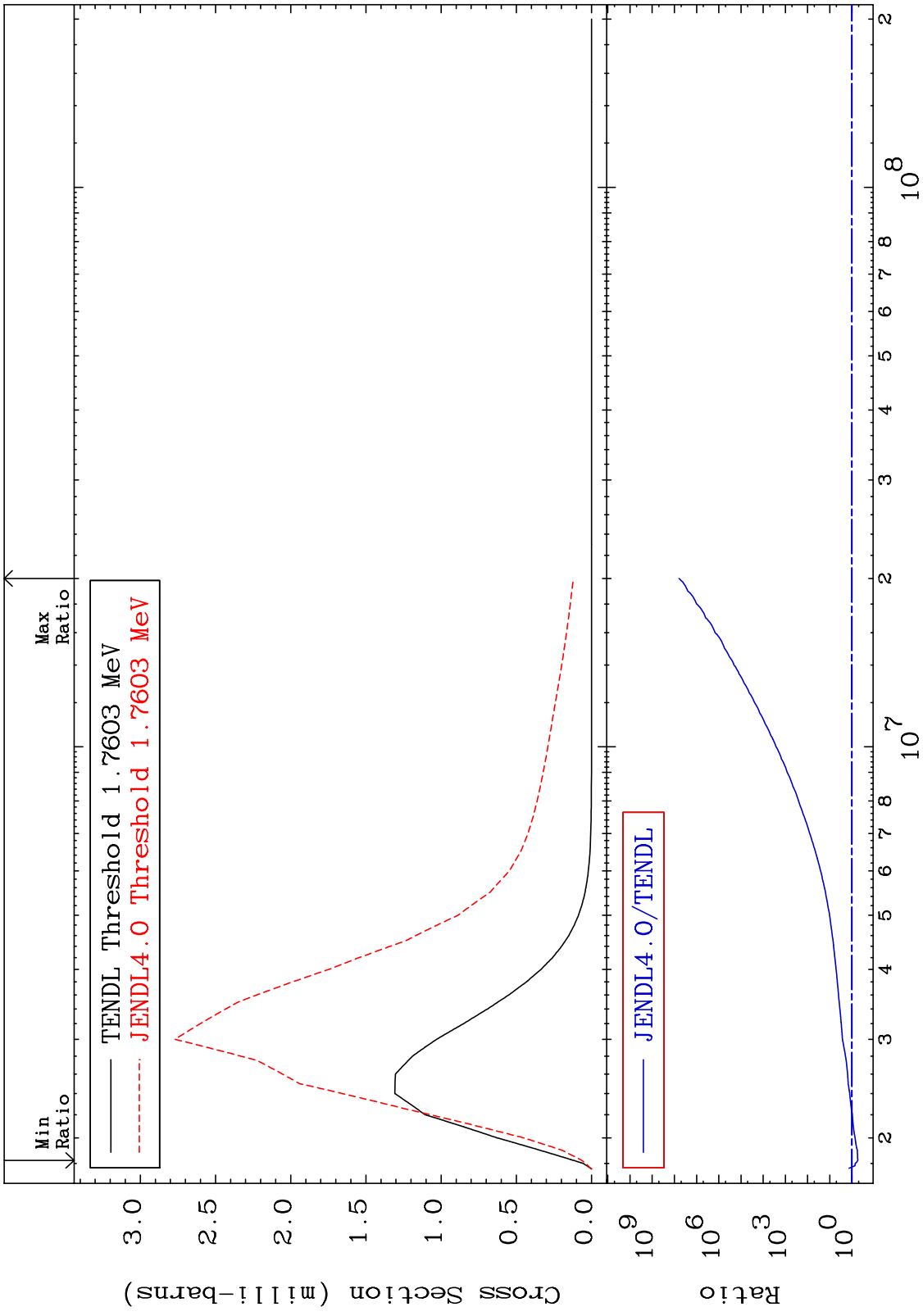
MAT 7631 MT= 72 (n,n') Level Cross Section 76-Os-186 -86.54 To 693.2 %



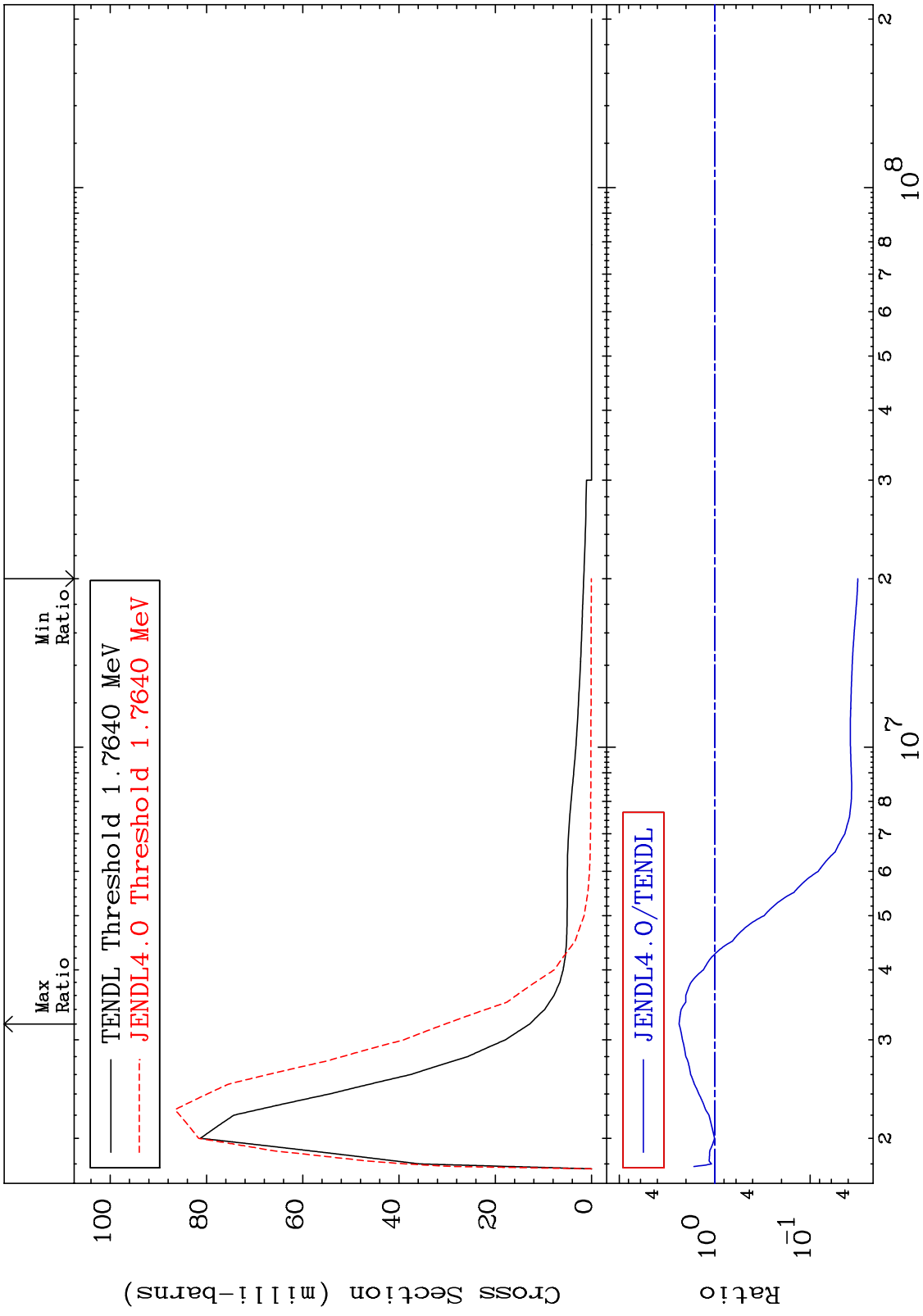
MAT 7631 MT= 73 (n,n') Level Cross Section 76-0s-186
 -78.36 To 153.5 %



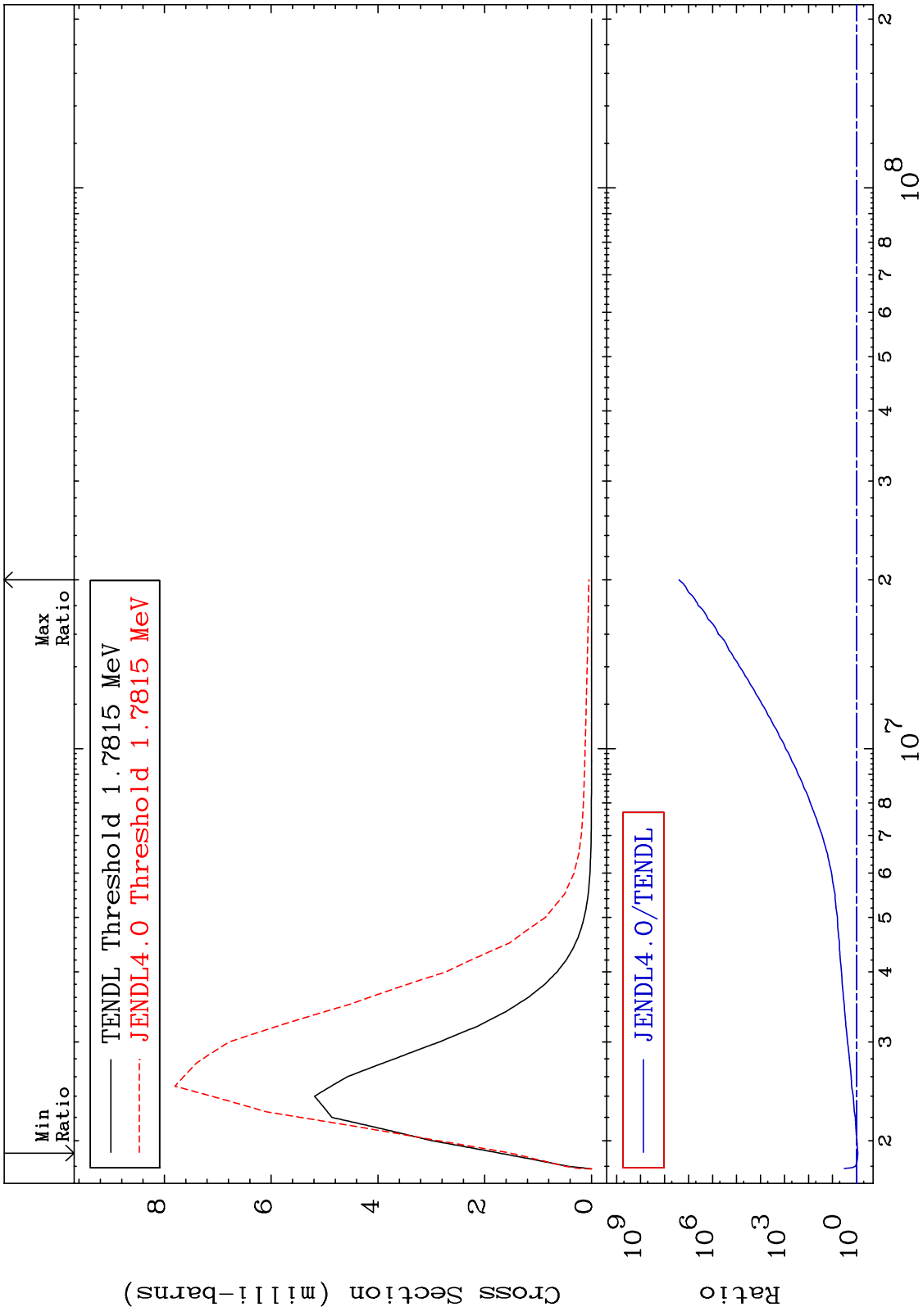
MAT 7631 MT= 74 (n,n') Level Cross Section 76-Os-186
 -45.50 To 9999. %



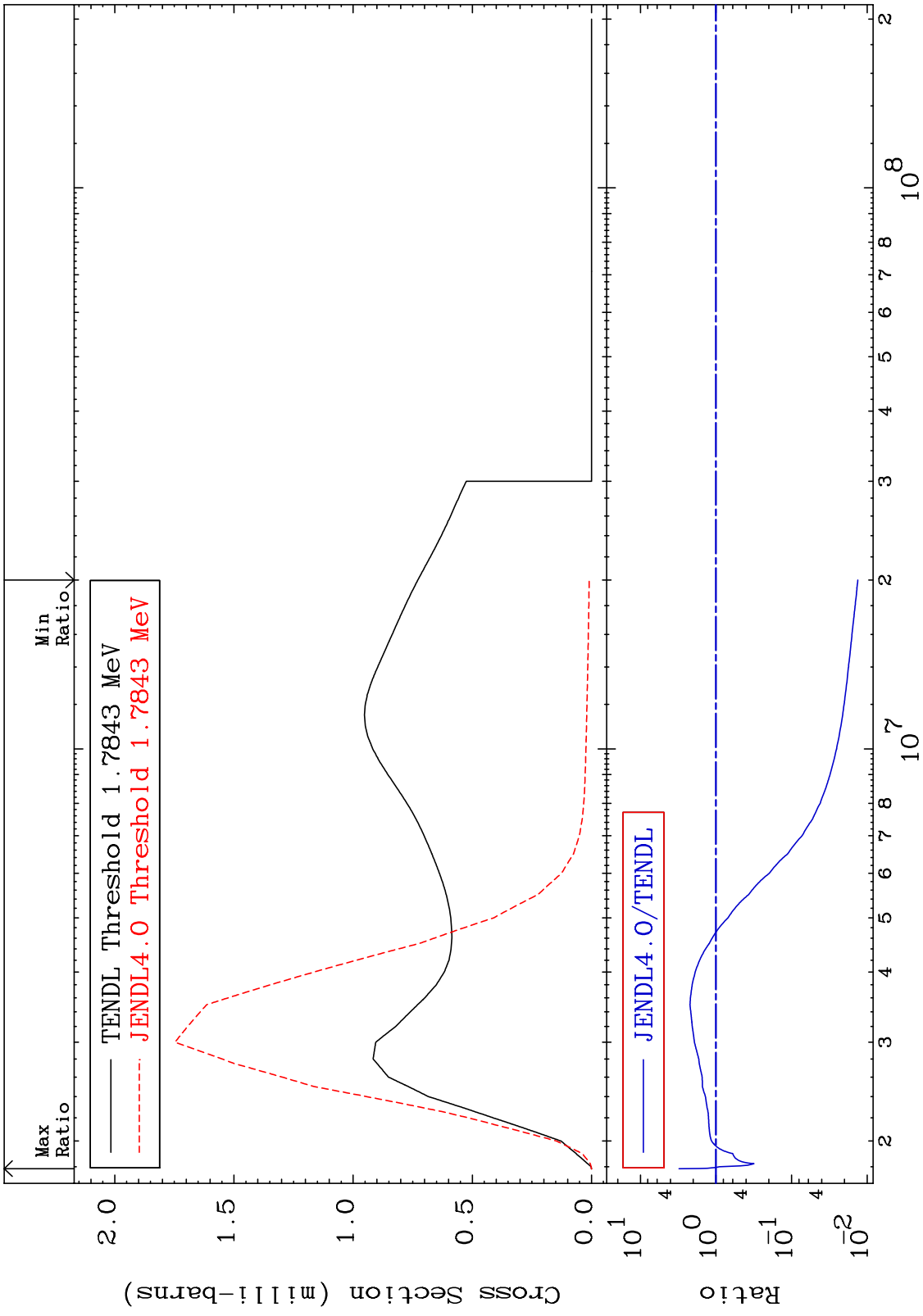
MAT 7631 MT= 75 (n,n') Level Cross Section 76-0s-186
 -96.83 To 136.7 %



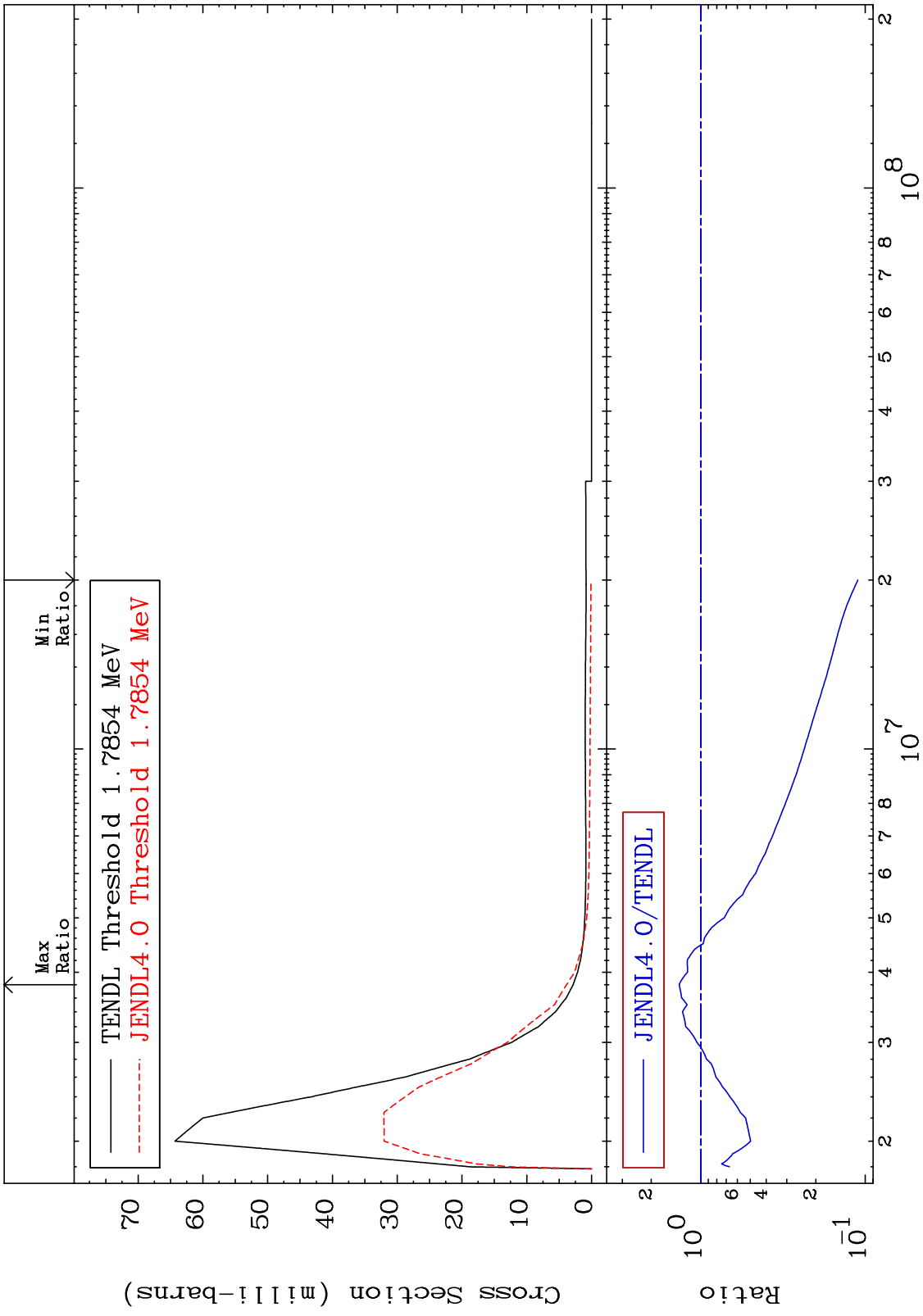
MAT 7631 MT= 76 (n,n') Level Cross Section 76-Os-186
 -11.92 To 9999. %



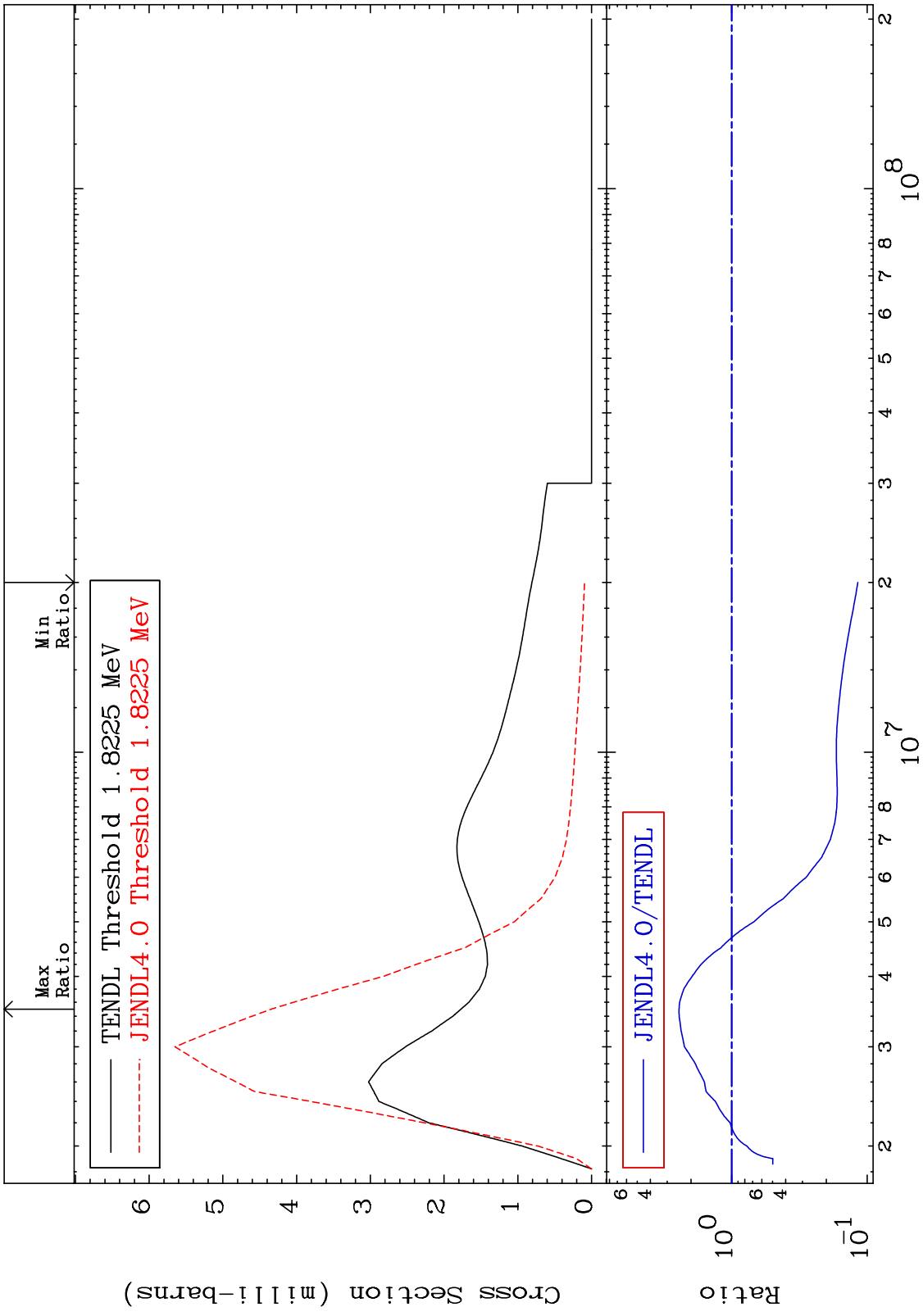
MAT 7631 MT= 77 (n,n') Level Cross Section 76-0s-186
 -98.67 To 208.5 %



MAT 7631 MT= 78 (n,n') Level Cross Section 76-0s-186
 -88.91 To 35.54 %



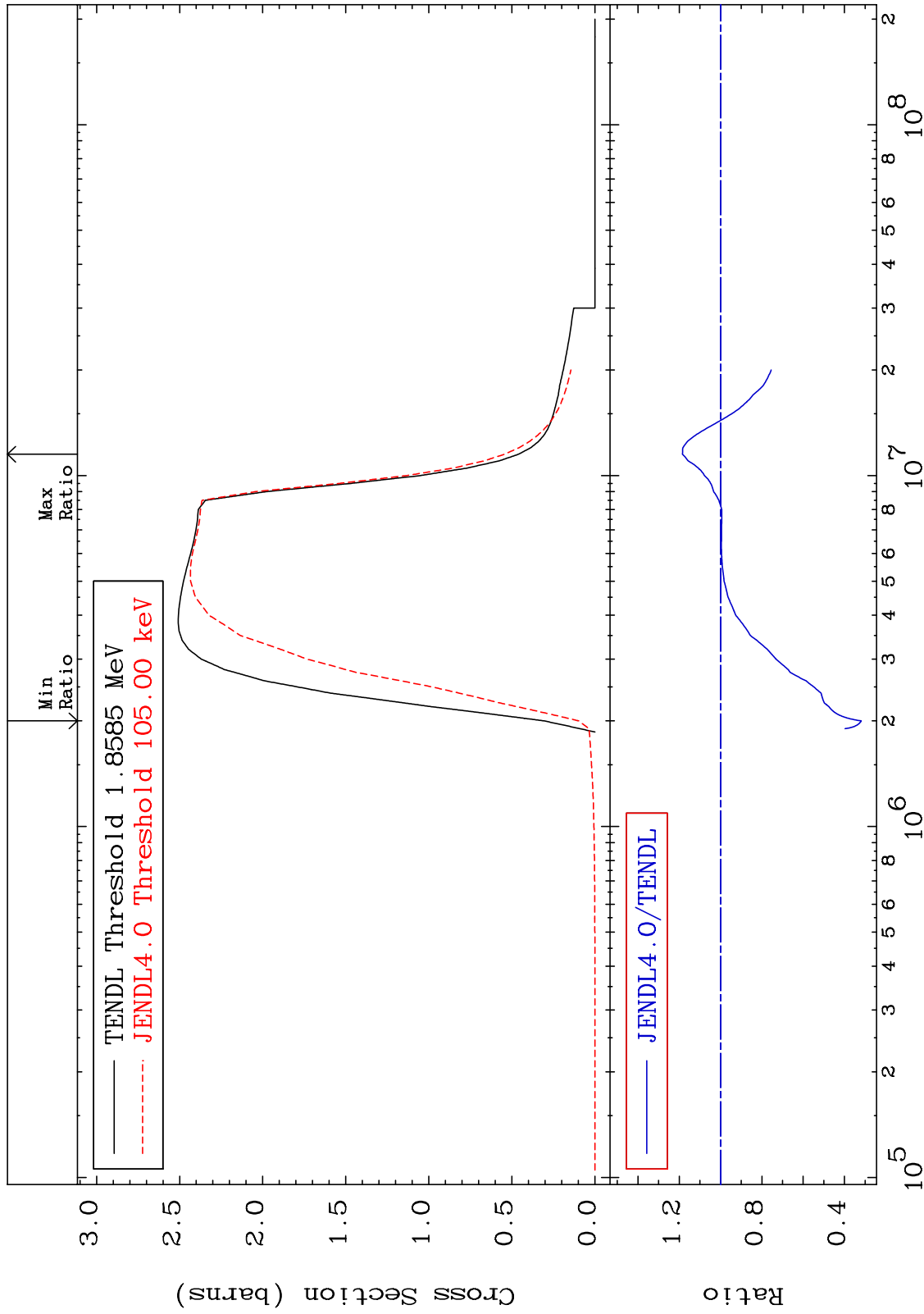
MAT 7631 MT= 79 (n,n') Level Cross Section 76-Os-186 -88.29 To 145.1 %



MAT 7631

(n, n') Continuum
Cross Section

76-Os-186
-68.13 To 18.45 %



41

Incident Energy (eV)

76-Os-186

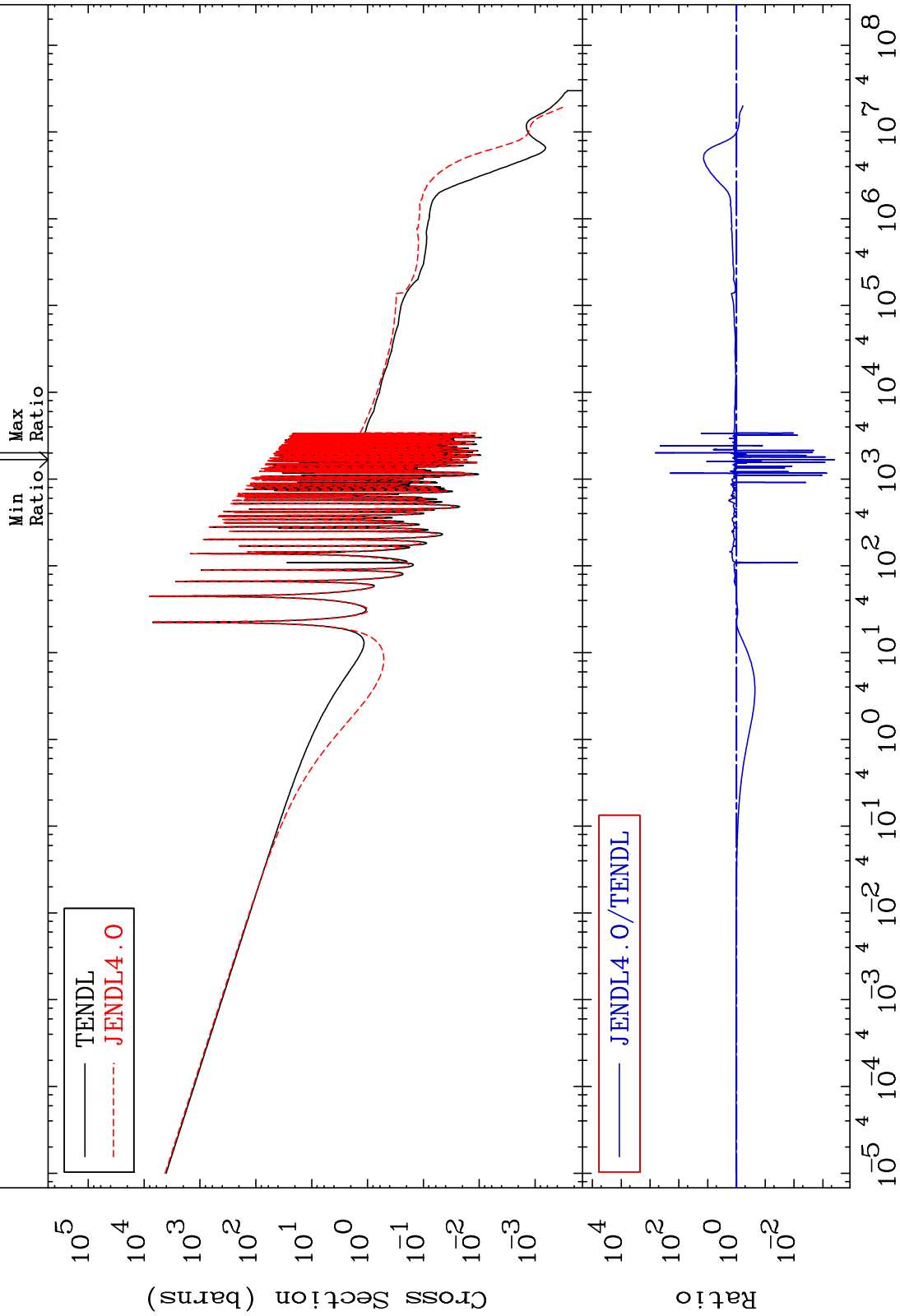
MAT 7631

(n, γ)

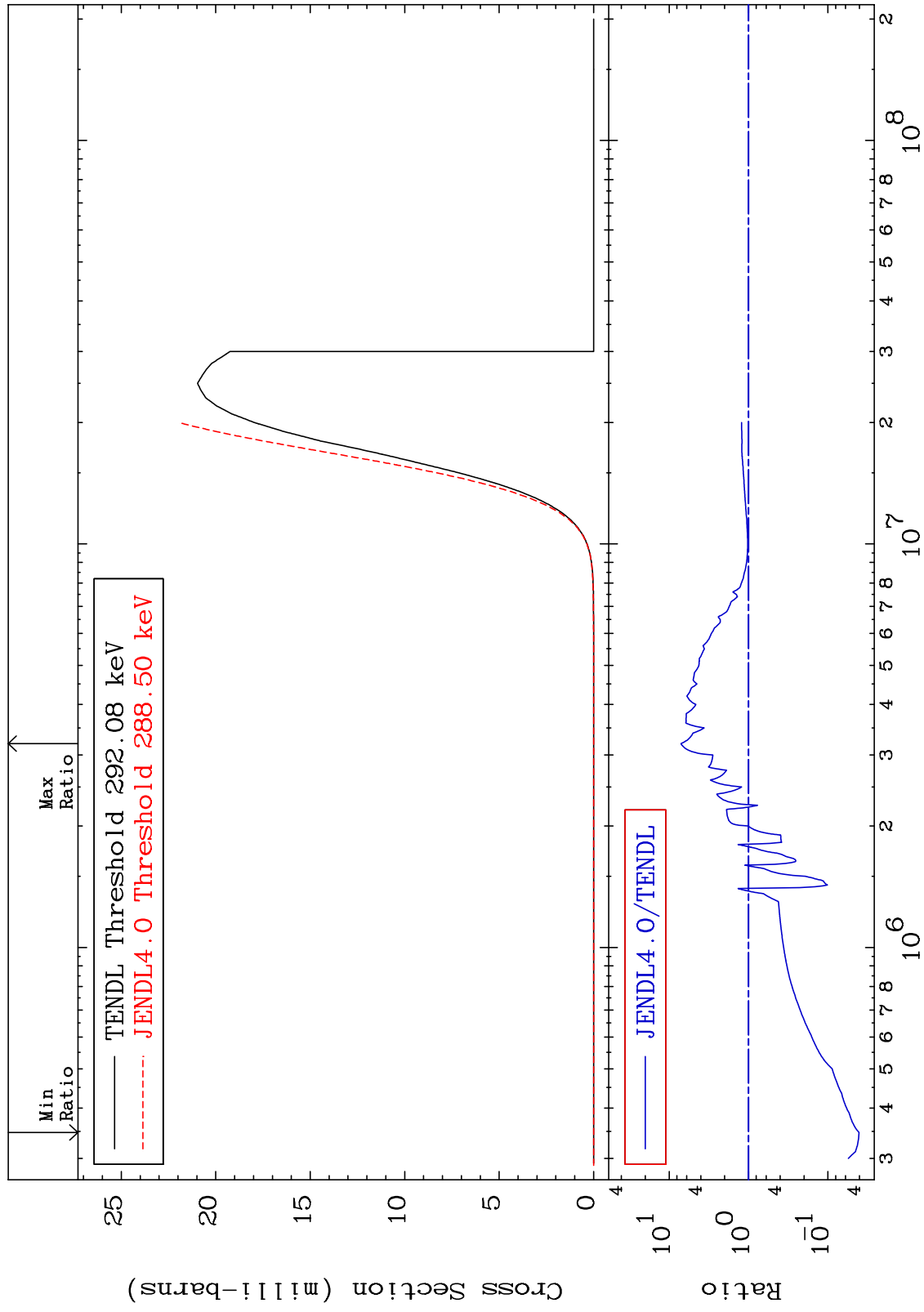
76-Os-186

-99.96 To 9999. %

Cross Section

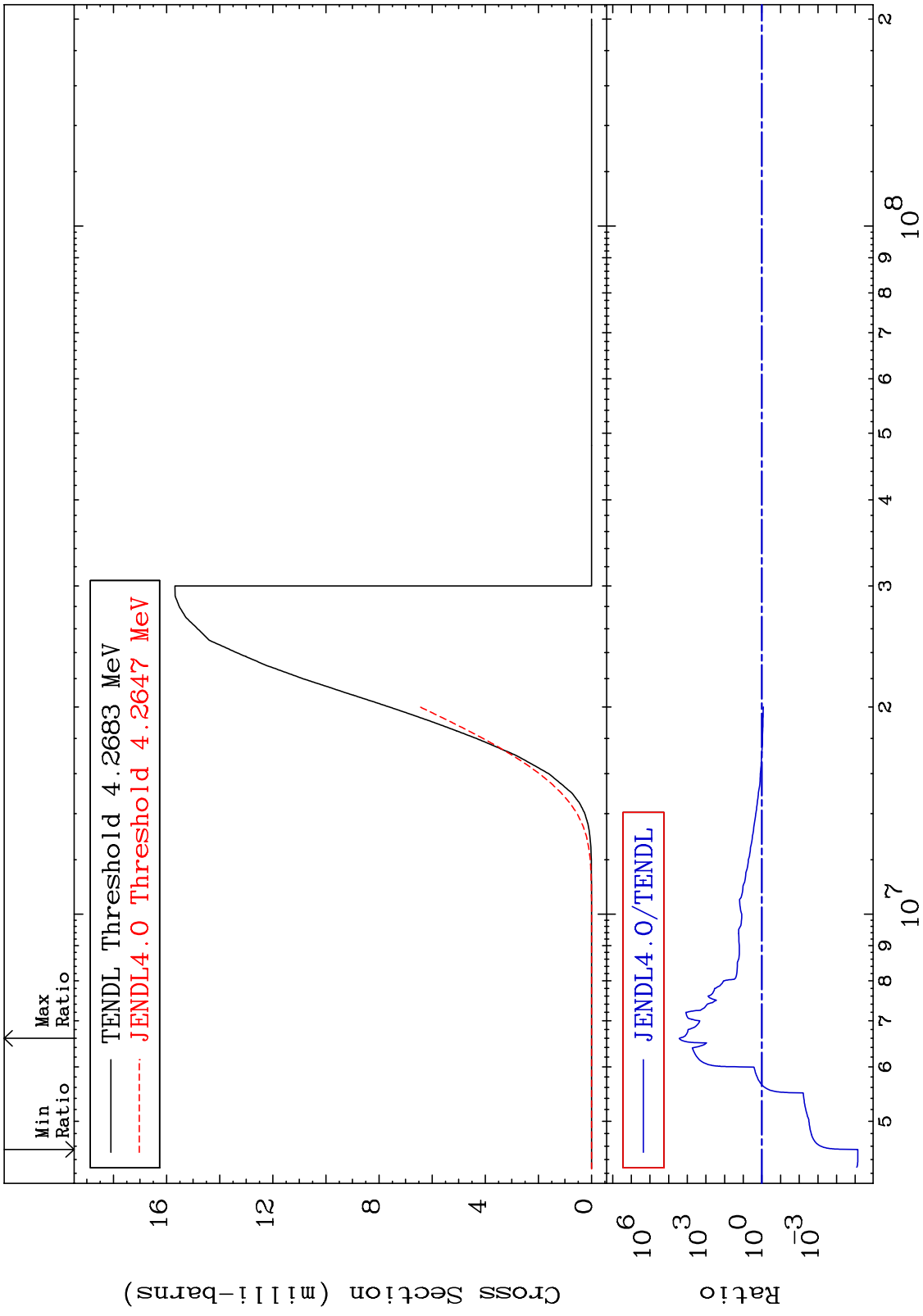


MAT 7631 (n,p) Cross Section 76-Os-186 -95.94 To 612.0 %



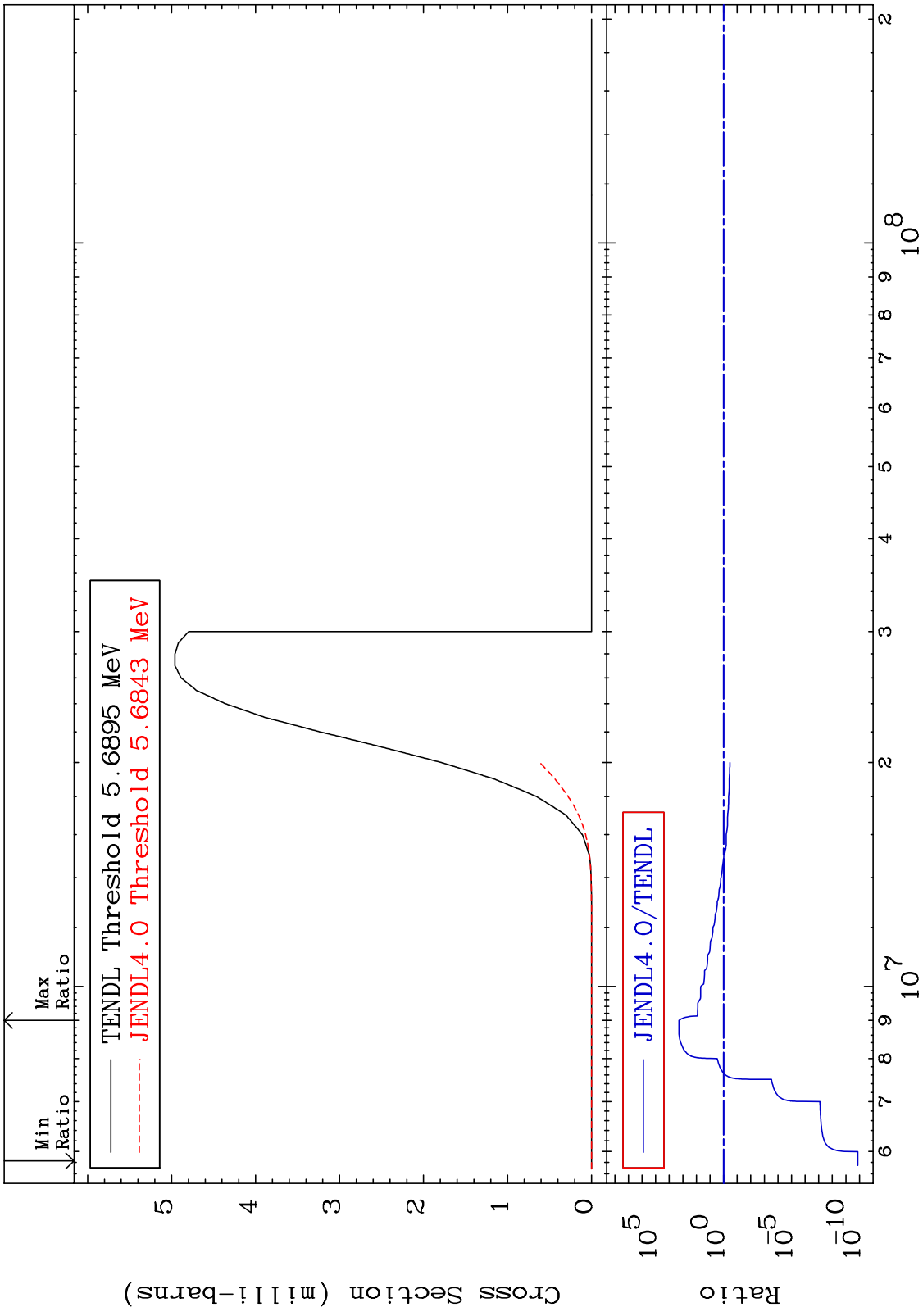
43 76-Os-186

MAT 7631 (n,d) 76-Os-186
 Cross Section -100.0 To 9999. %

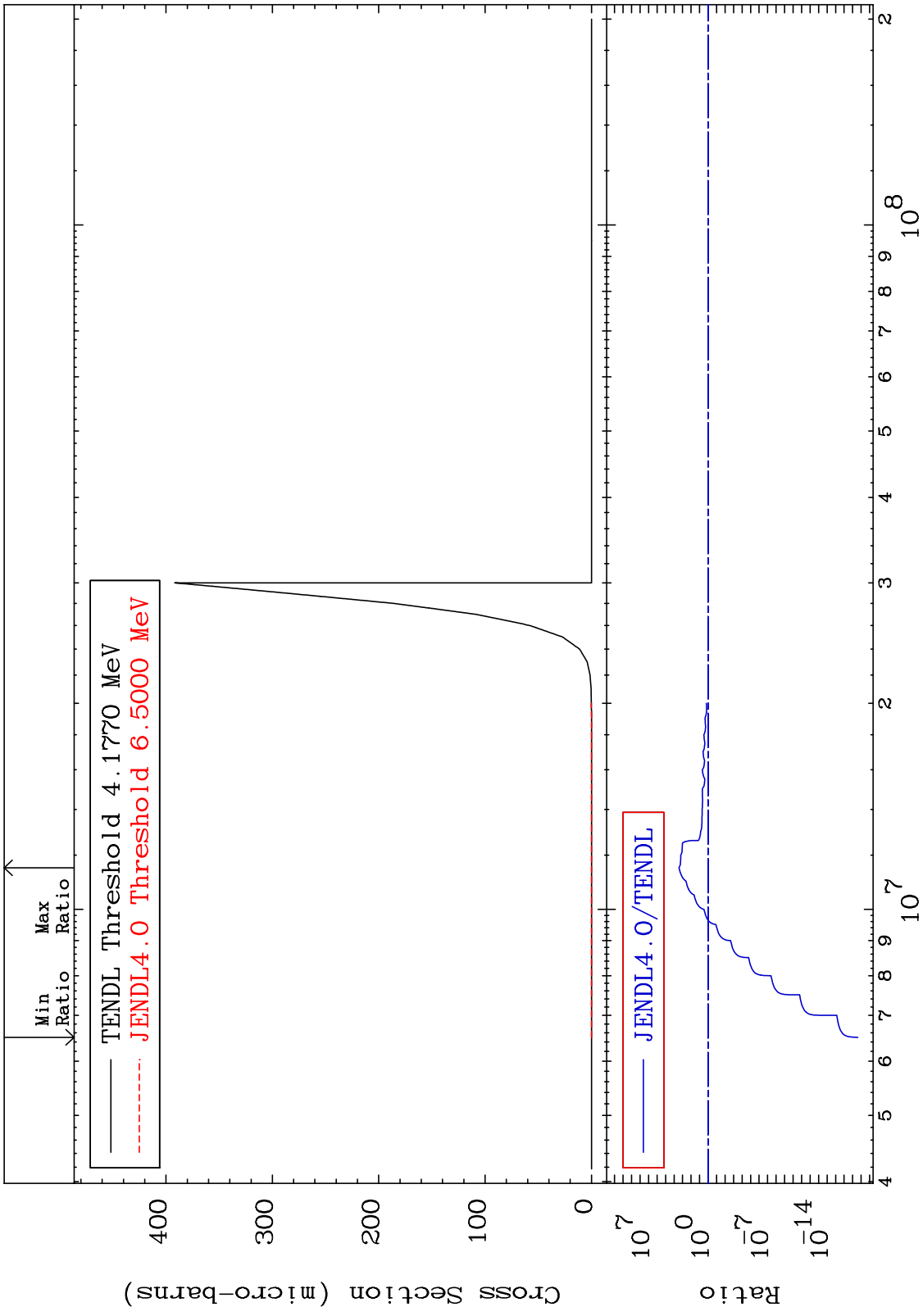


44 Incident Energy (eV) 76-Os-186

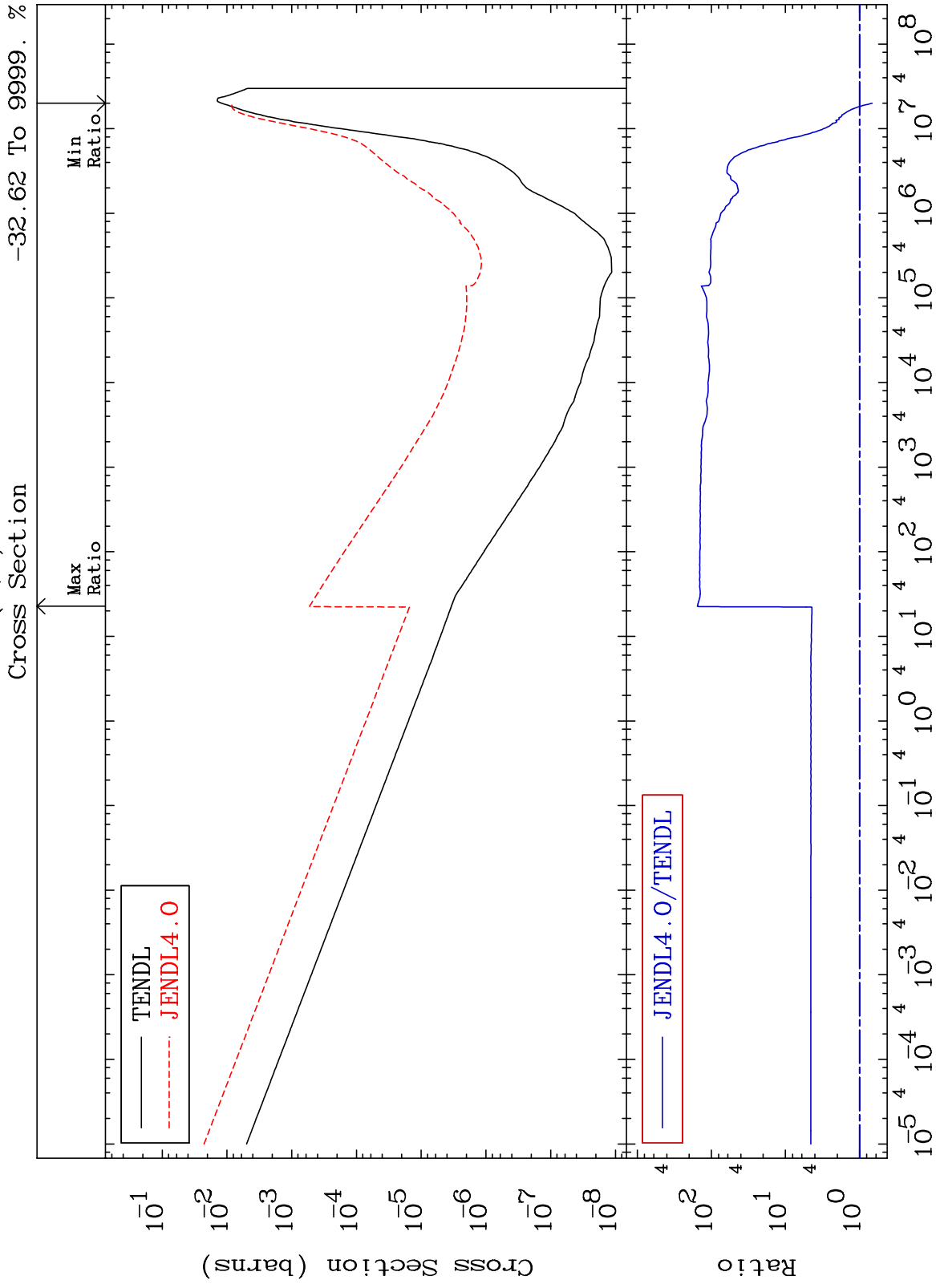
MAT 7631 (n,t) 76-Os-186
 Cross Section -100.0 To 9999. %



MAT 7631 (n, He-3) 76-Os-186
 Cross Section -100.0 To 9999. %



MAT 7631 (n, α) 76-0s-186 -32.62 To 9999. %

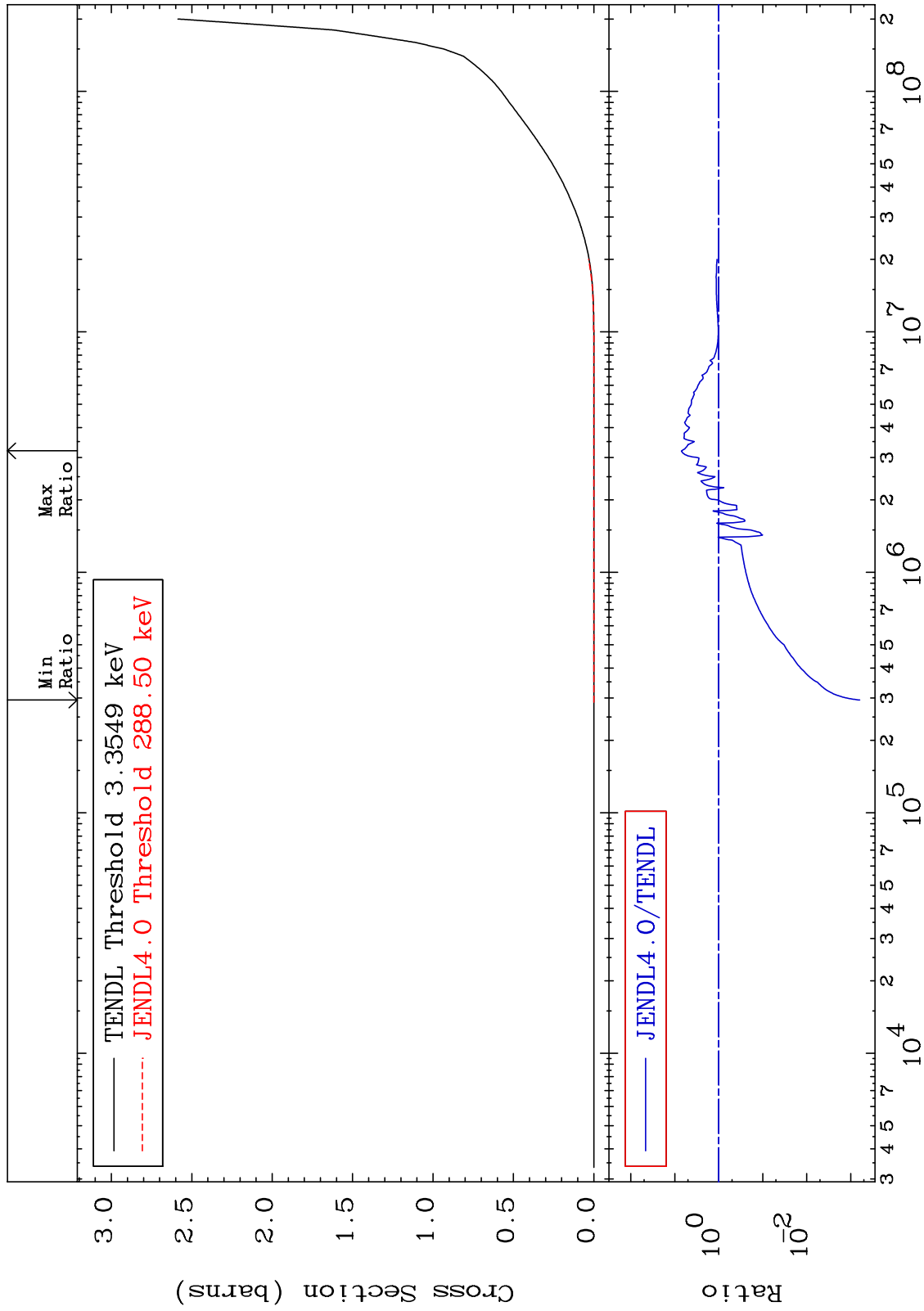


47 76-0s-186

MAT 7631

Hydrogen Production
Cross Section

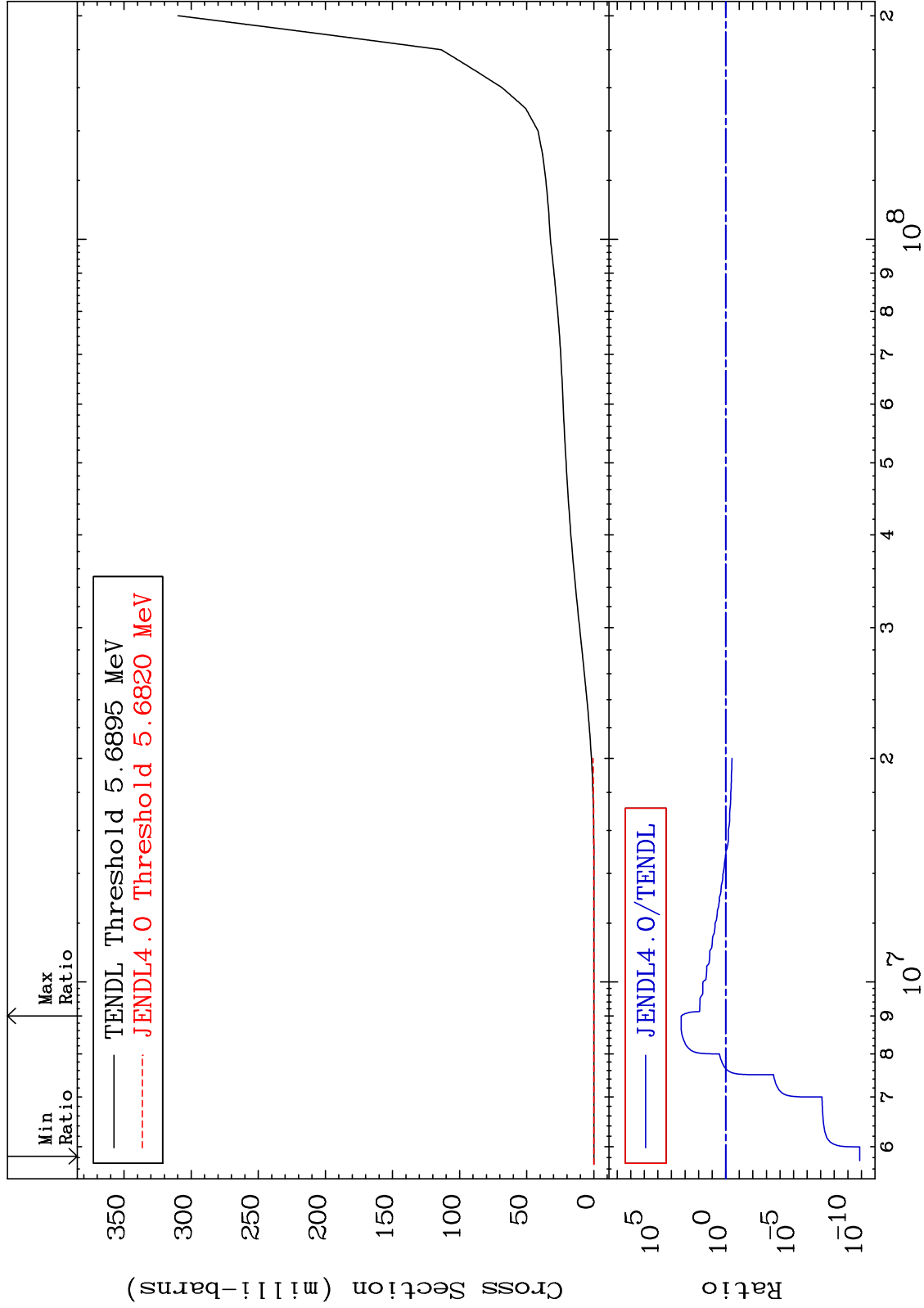
76-0s-186
-99.94 To 612.0 %



MAT 7631

Tritium Production
Cross Section

76-Os-186
-100.0 To 9999. %



50

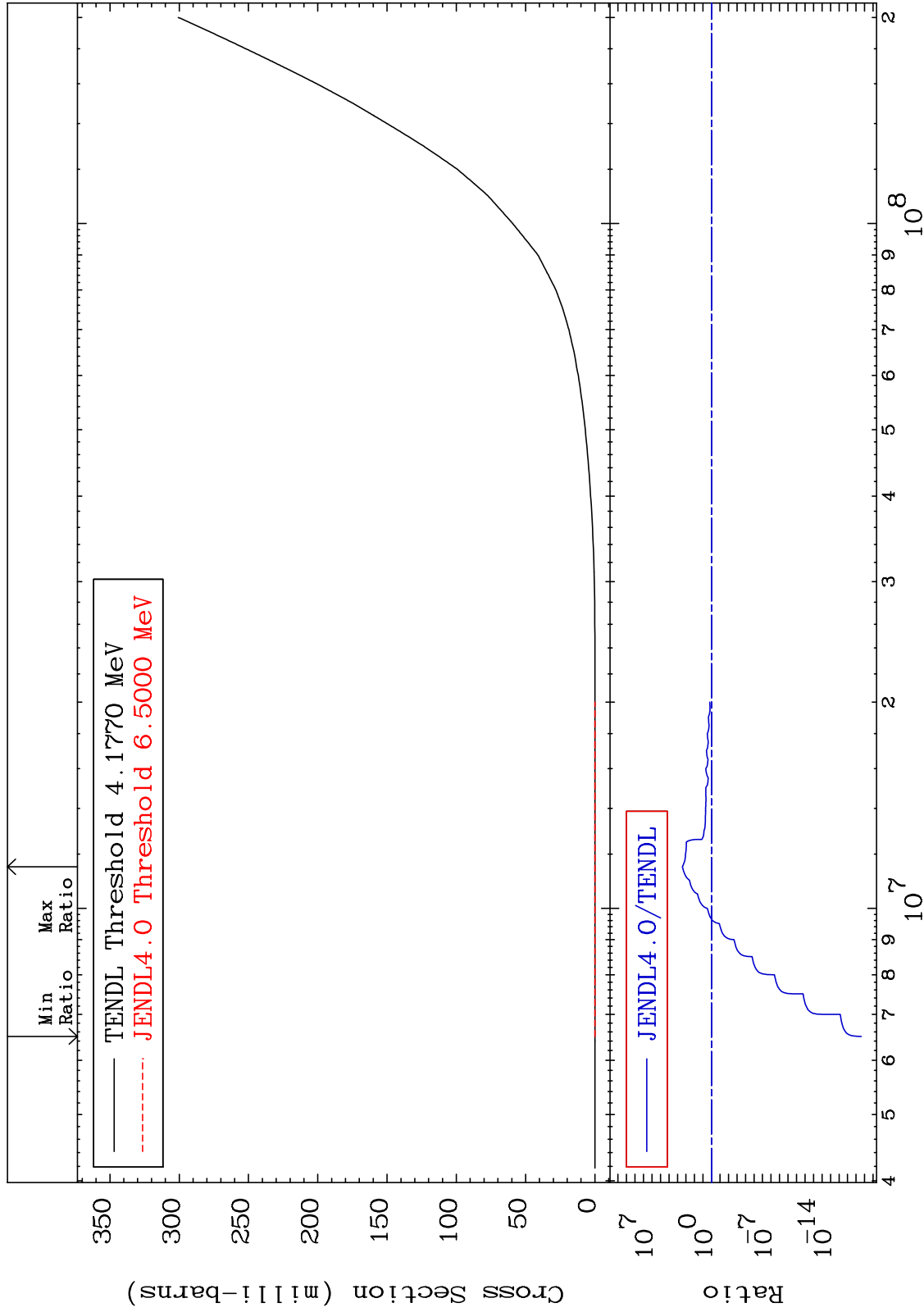
Incident Energy (eV)

76-Os-186

MAT 7631

He-3 Production
Cross Section

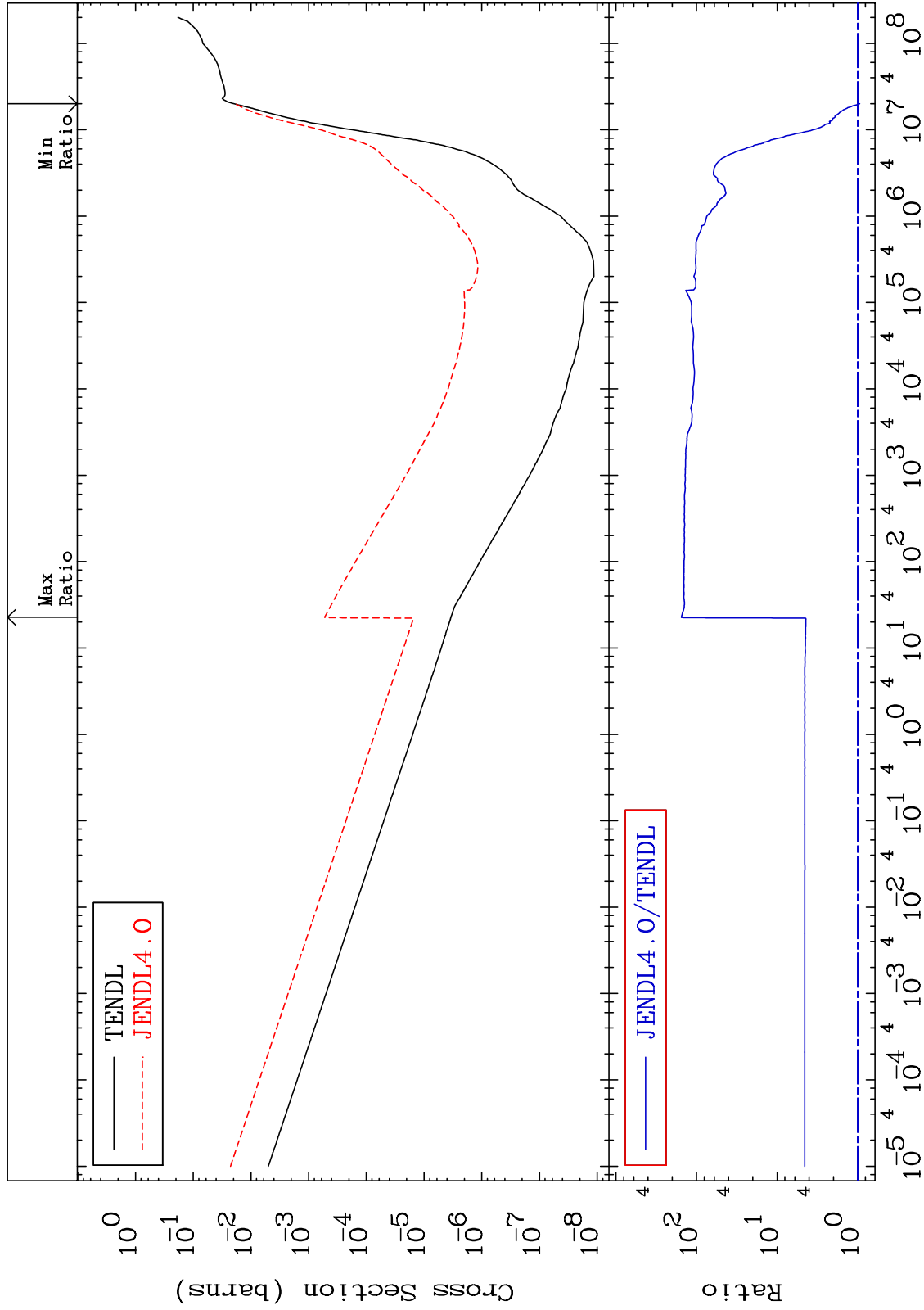
76-0s-186
-100.0 To 9999. %



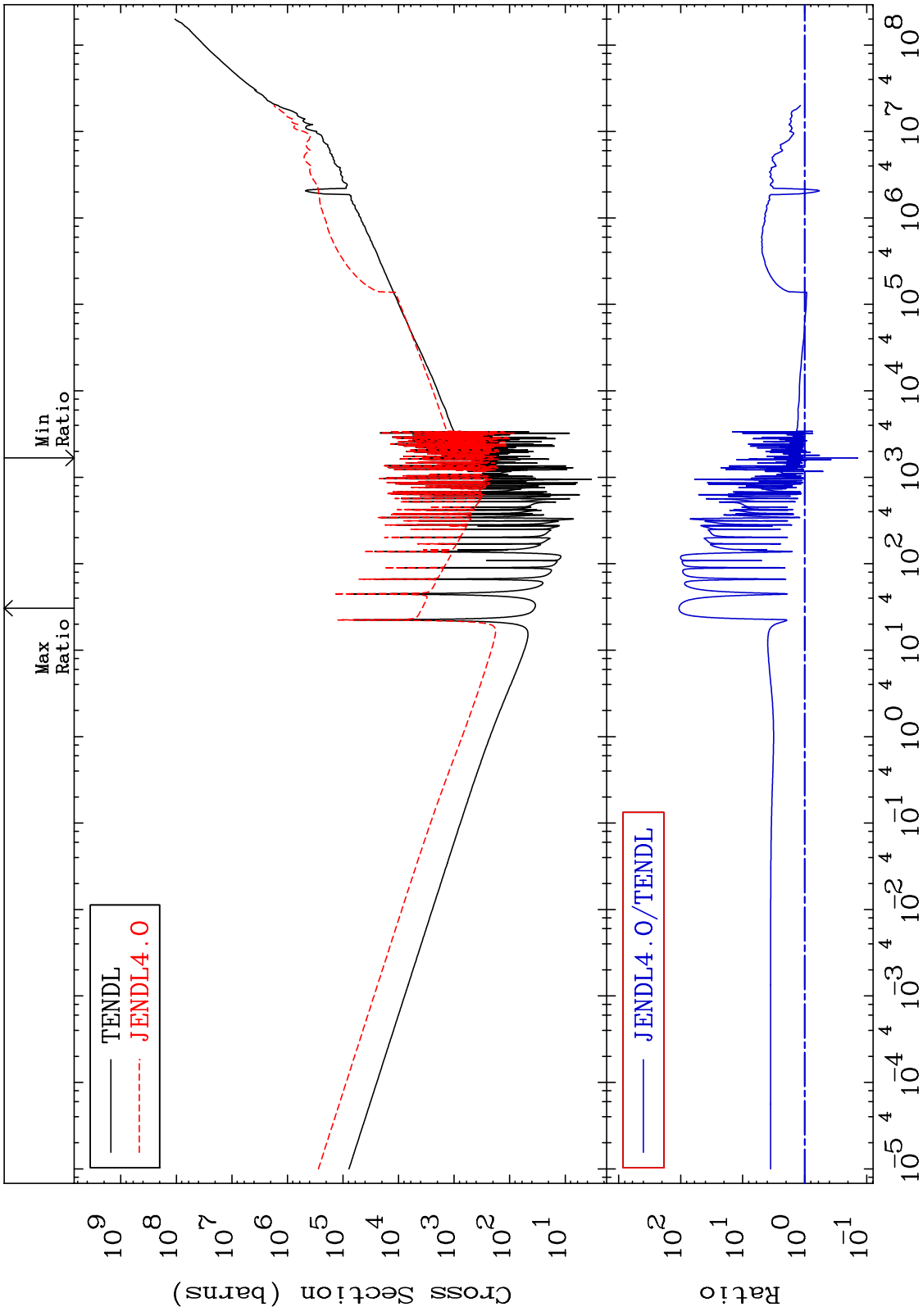
MAT 7631

He-4 Production
Cross Section

76-0s-186
-5.794 To 9999. %



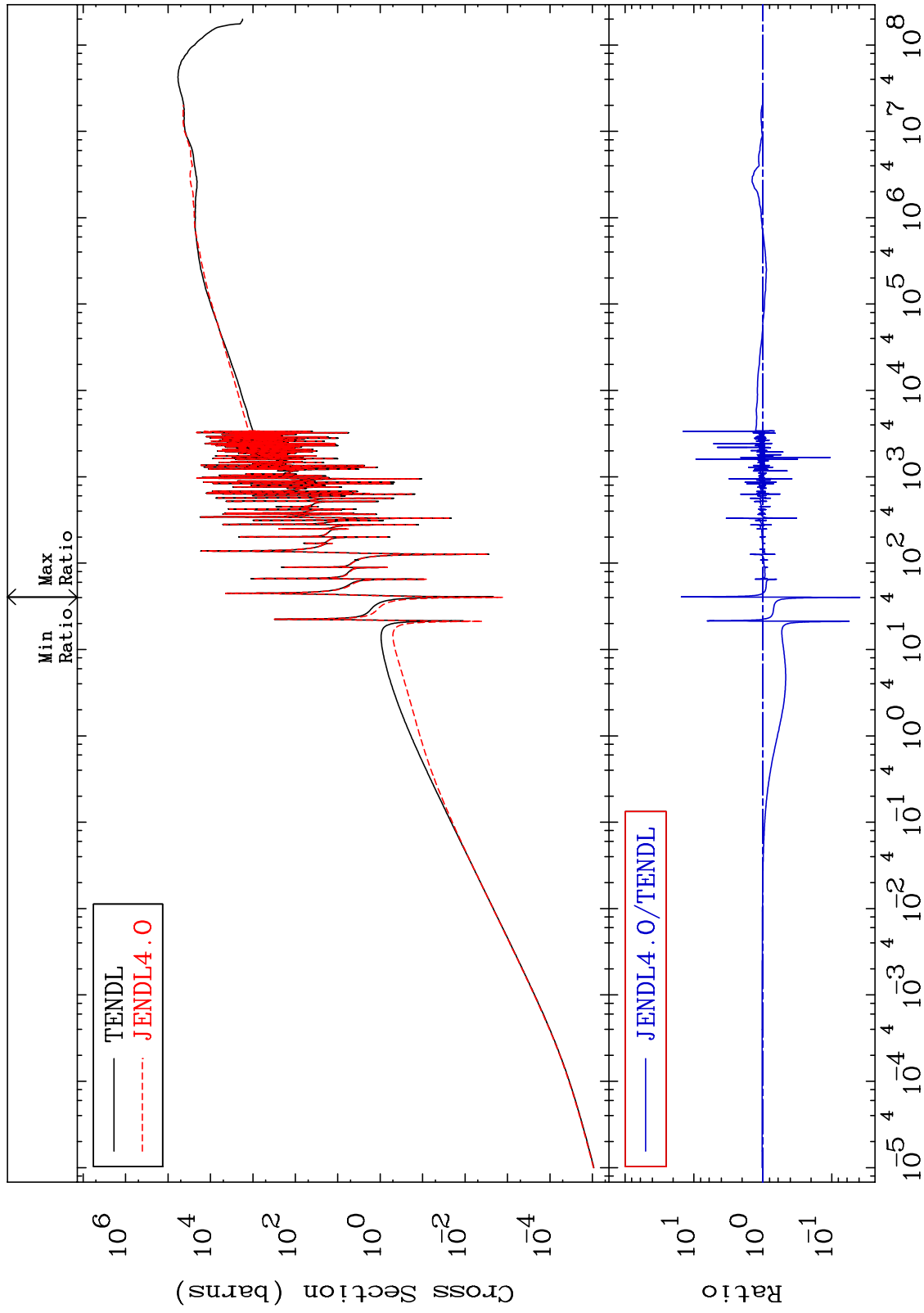
MAT 7631 Kerma total (eV-barns) 76-Os-186
 Cross Section -86.11 To 9999. %



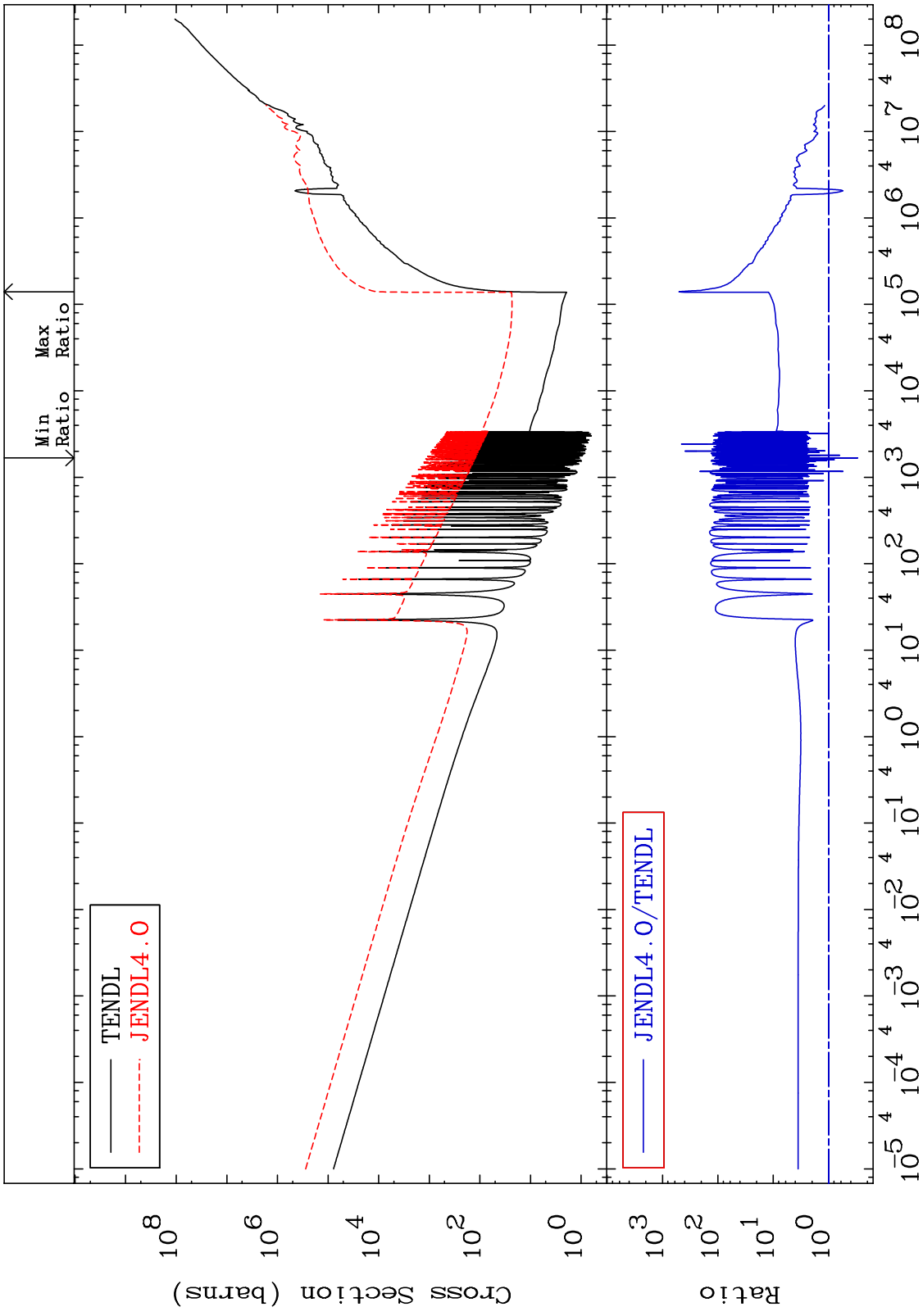
MAT 7631

Kerma elastic
Cross Section

76-0s-186
-96.08 To 1427. %

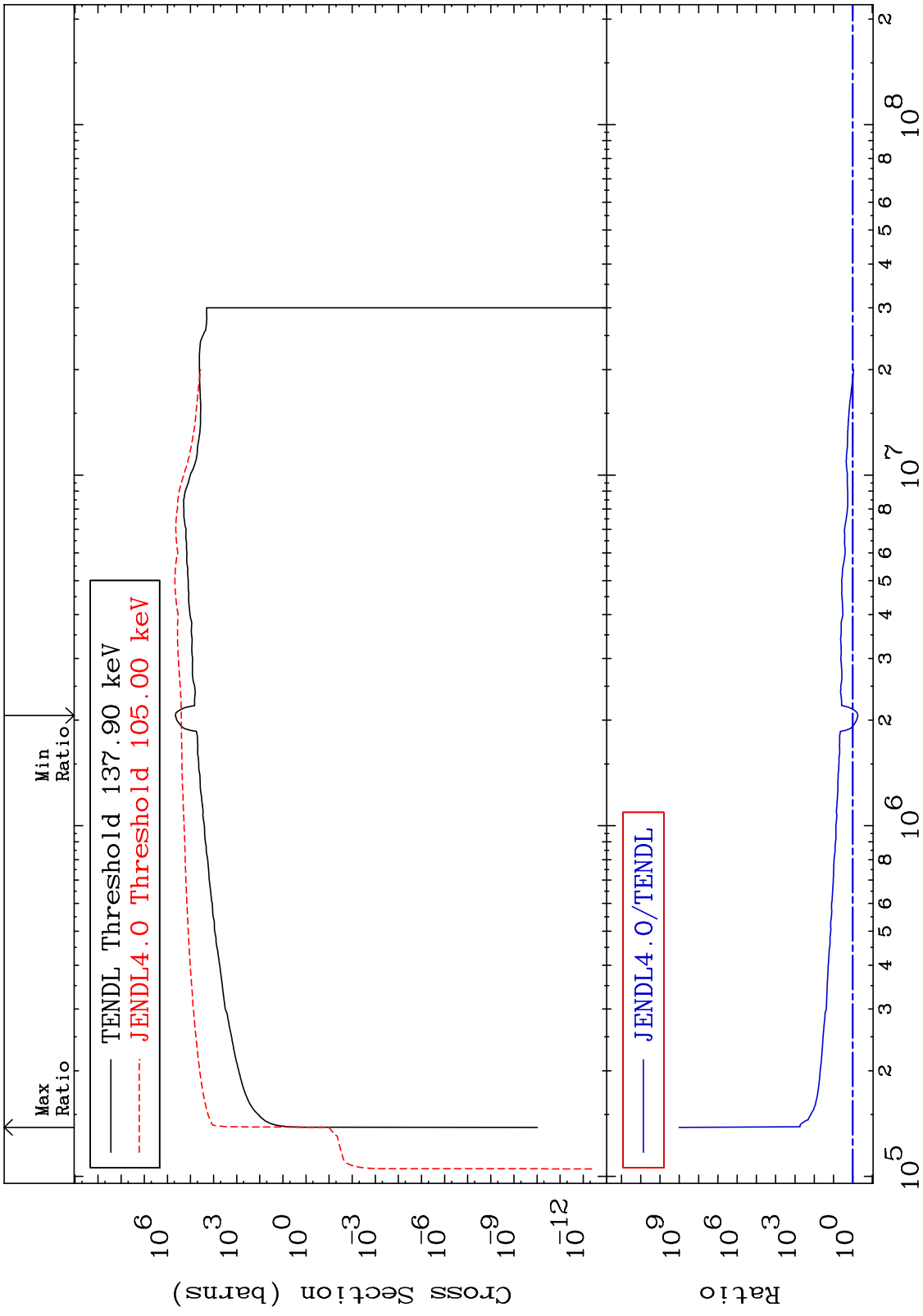


MAT 7631 Kerma non-elastic (all but mt2) 76-0s-186
 Cross Section -70.25 To 9999. %



55 76-0s-186

MAT 7631 Kerma inelastic (mt51-91) 76-Os-186
 -44.96 To 9999. %
 Cross Section

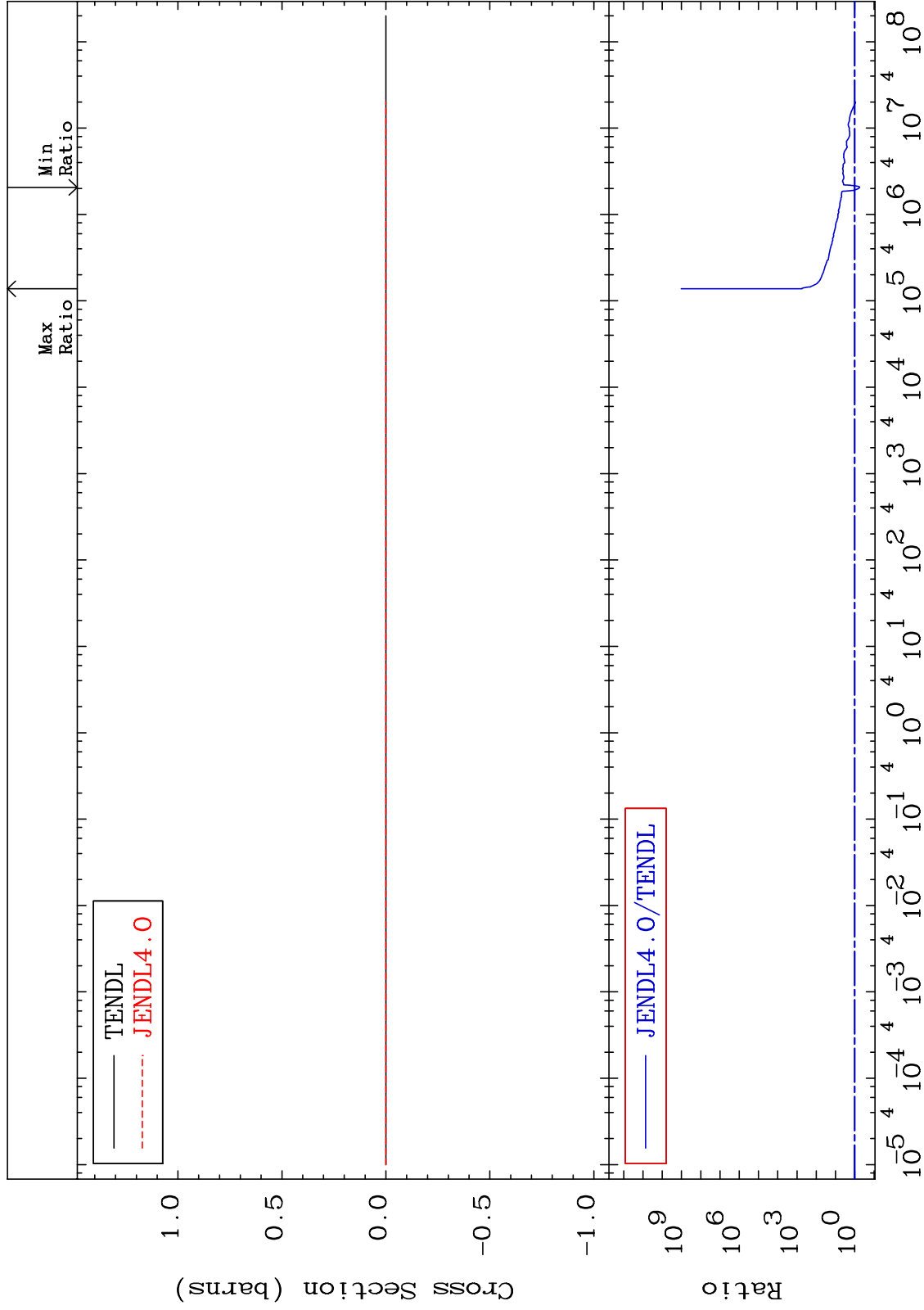


56 Incident Energy (eV) 76-Os-186

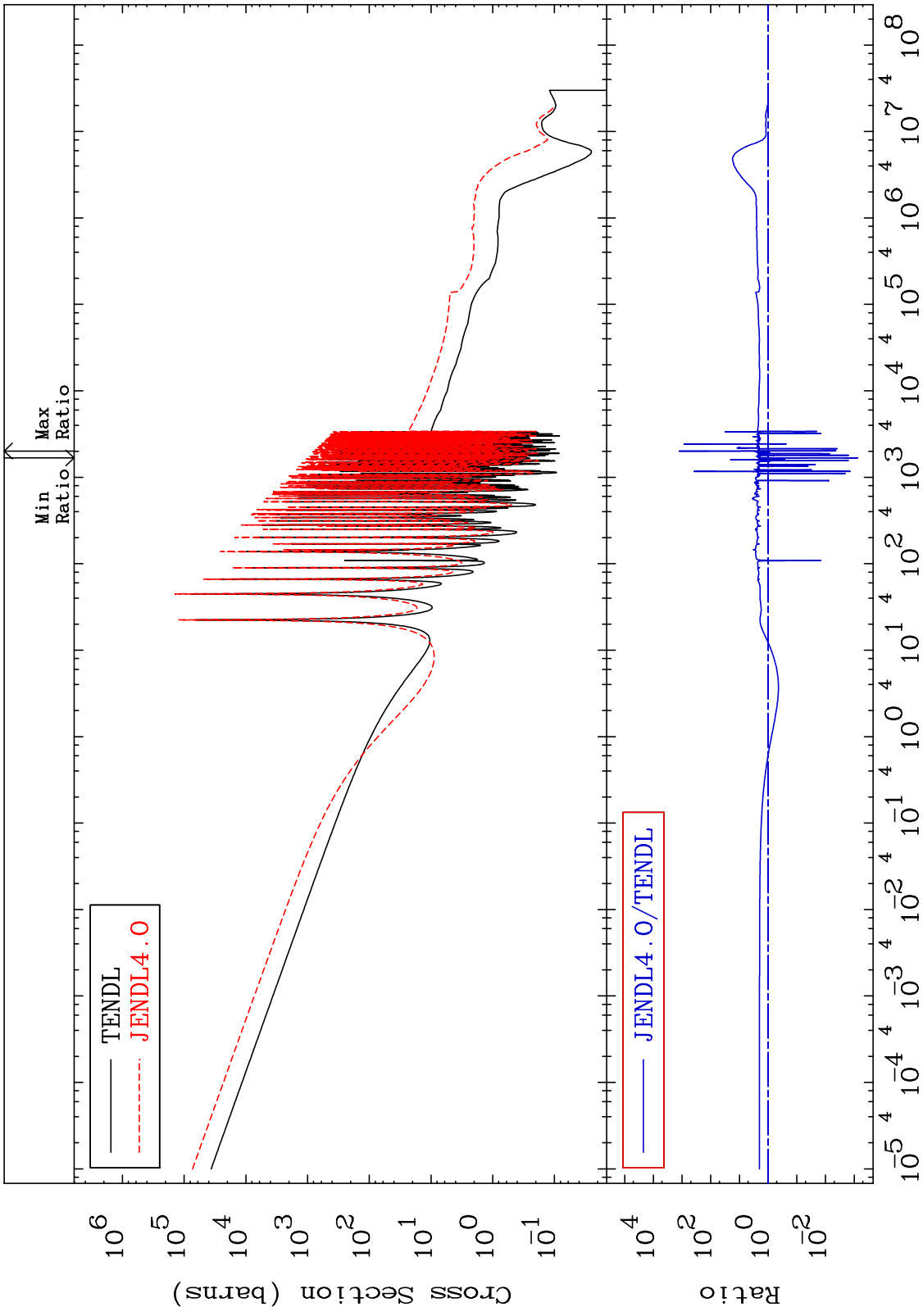
MAT 7631

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

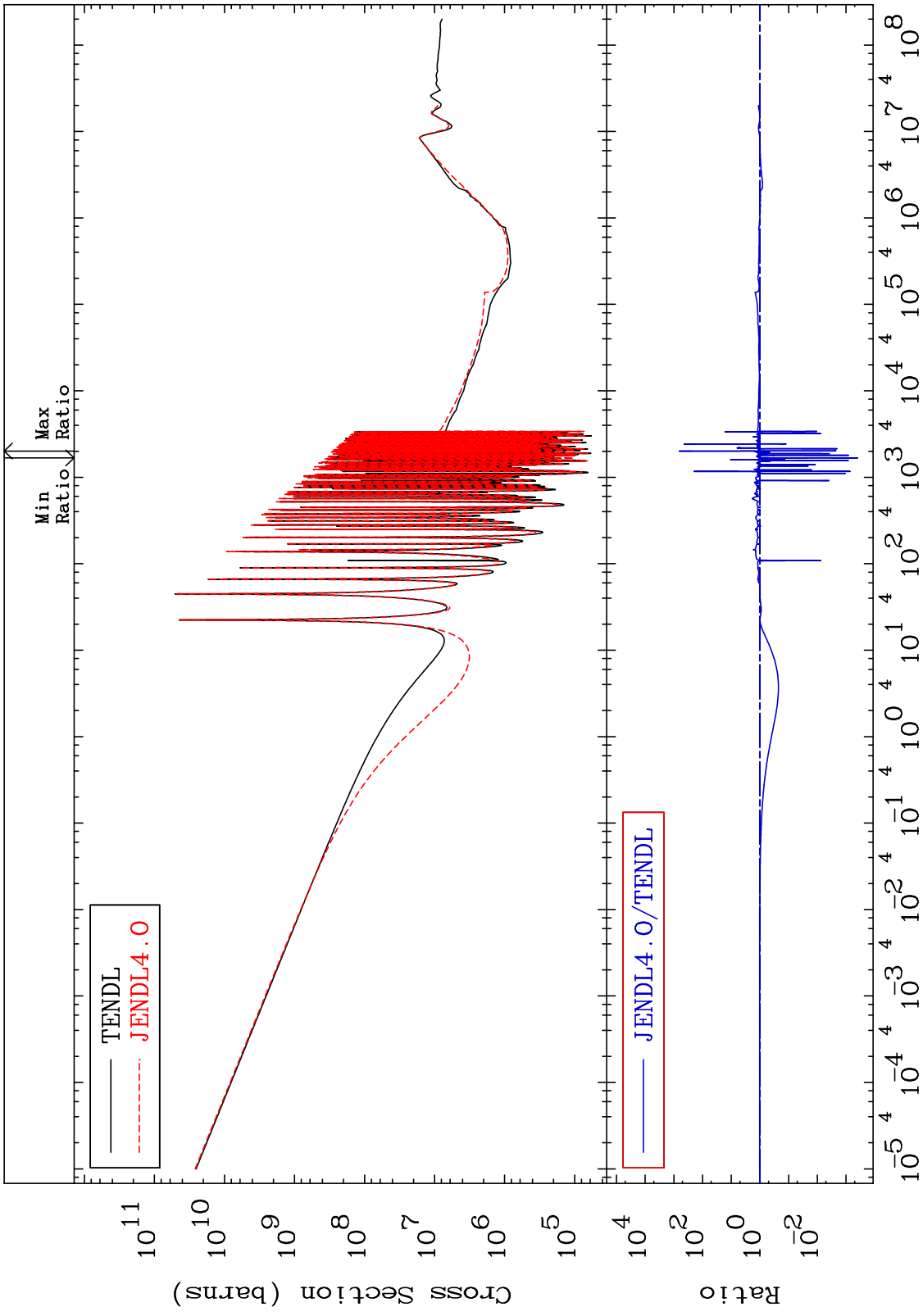
76-0s-186
-44.96 To 9999. %



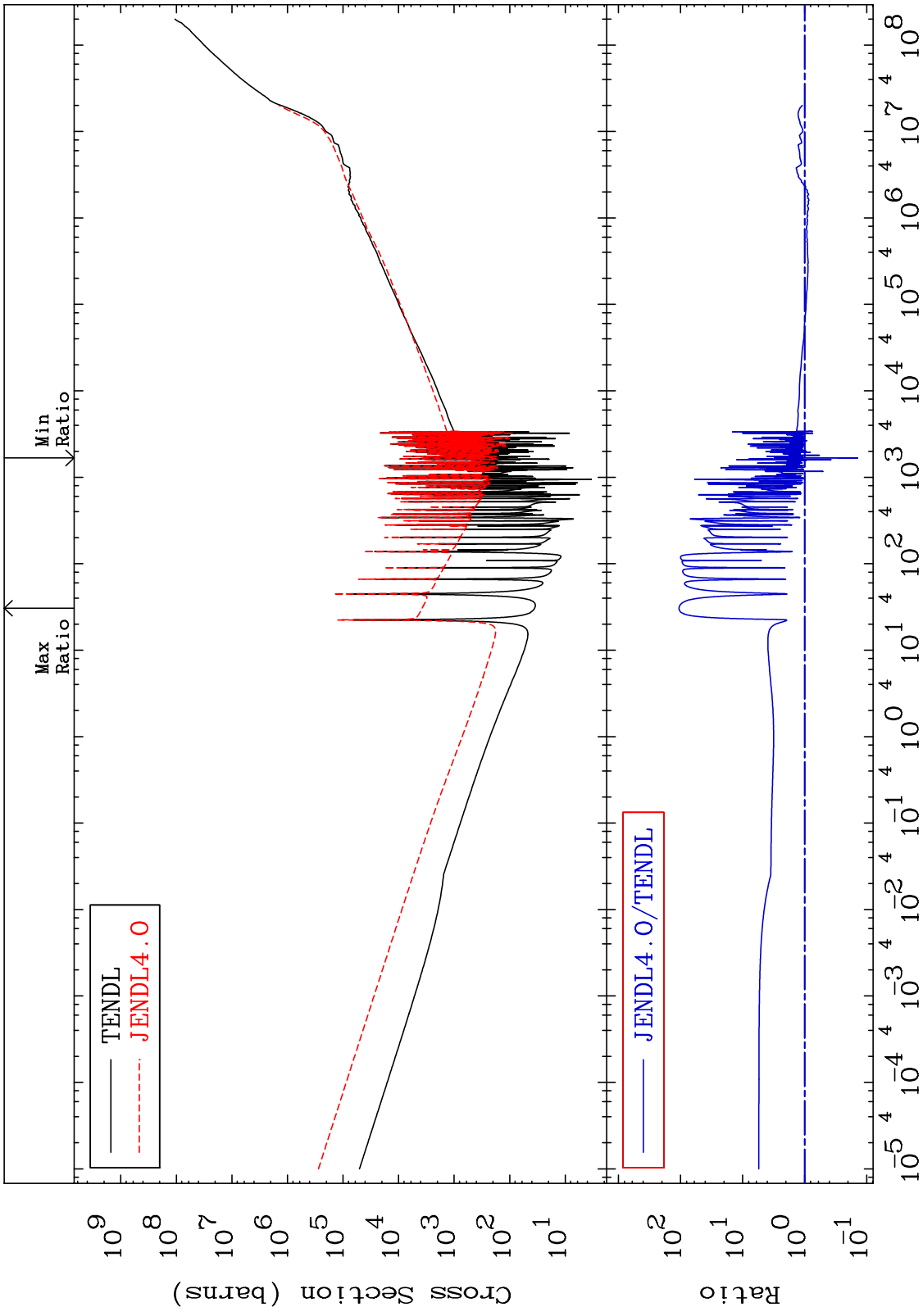
MAT 7631 Kerma capture (mt102) 76-Os-186
 Cross Section -99.93 To 9999. %



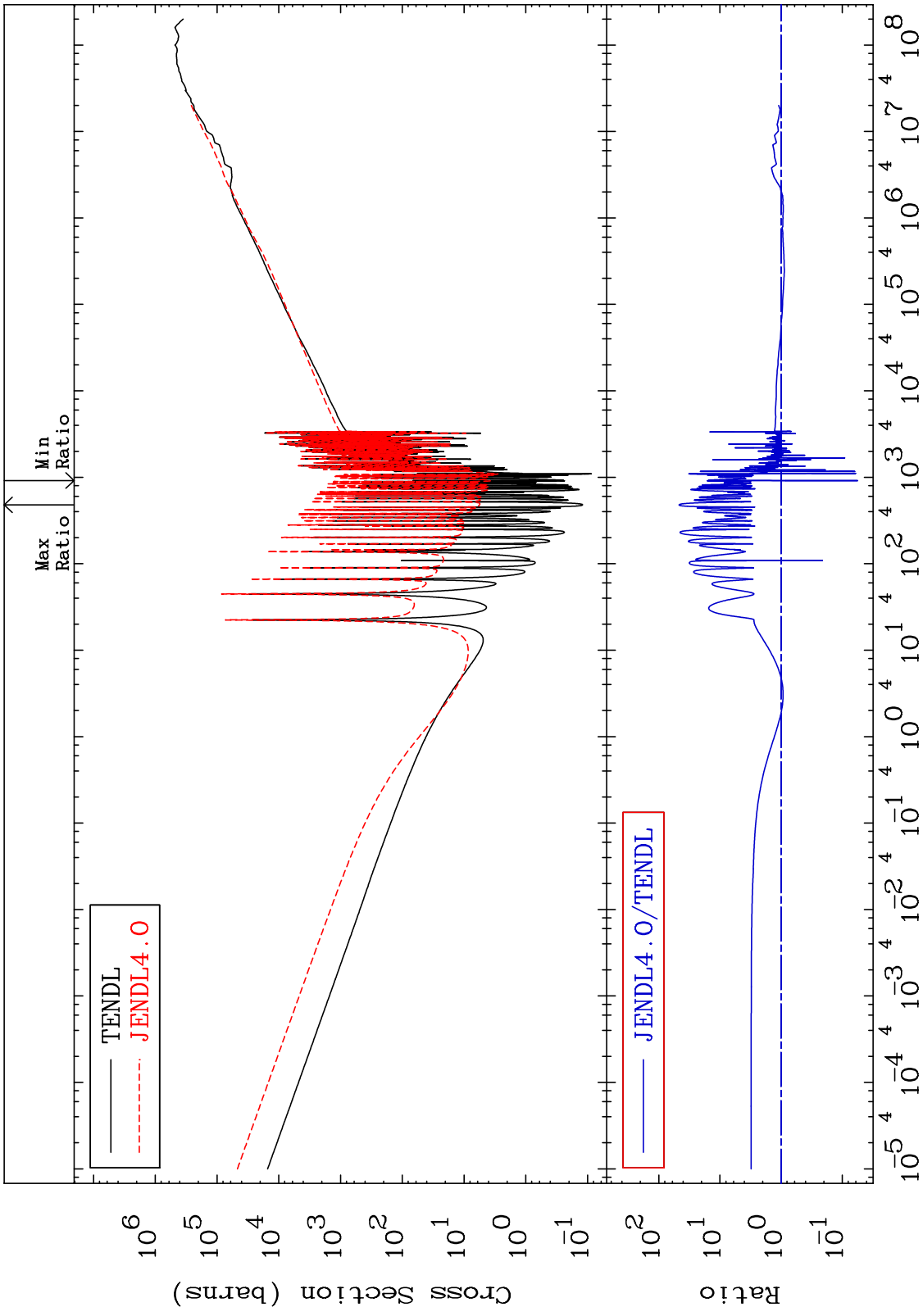
MAT 7631 Total photon (eV-barns) Cross Section 76-Os-186 -99.96 To 9999. %



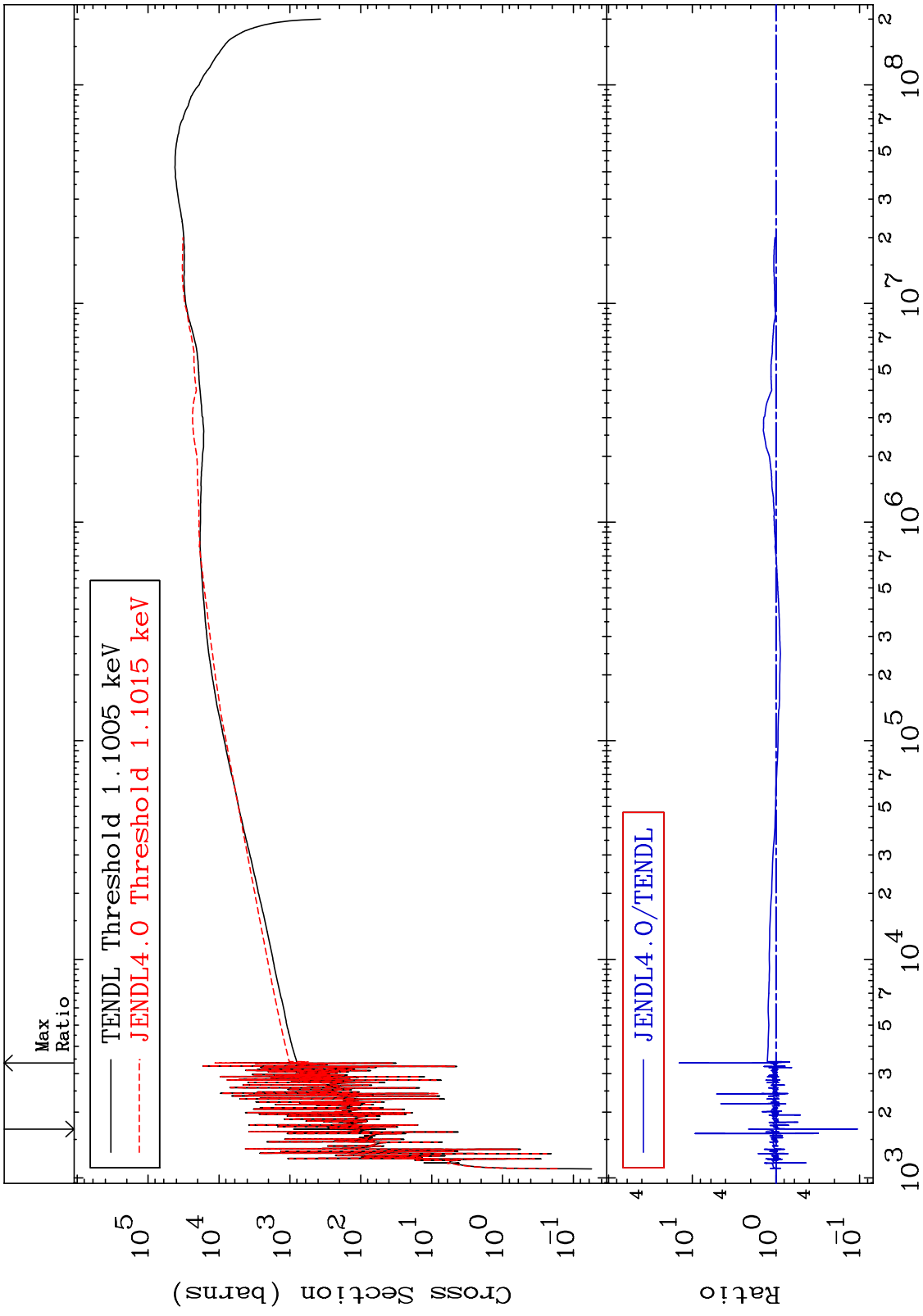
MAT 7631 Total kinematic kerma (high limit) 76-Os-186
 Cross Section -86.11 To 9999. %



MAT 7631 Dpa total (eV-barns) 76-0s-186
 Cross Section -94.43 To 4564. %

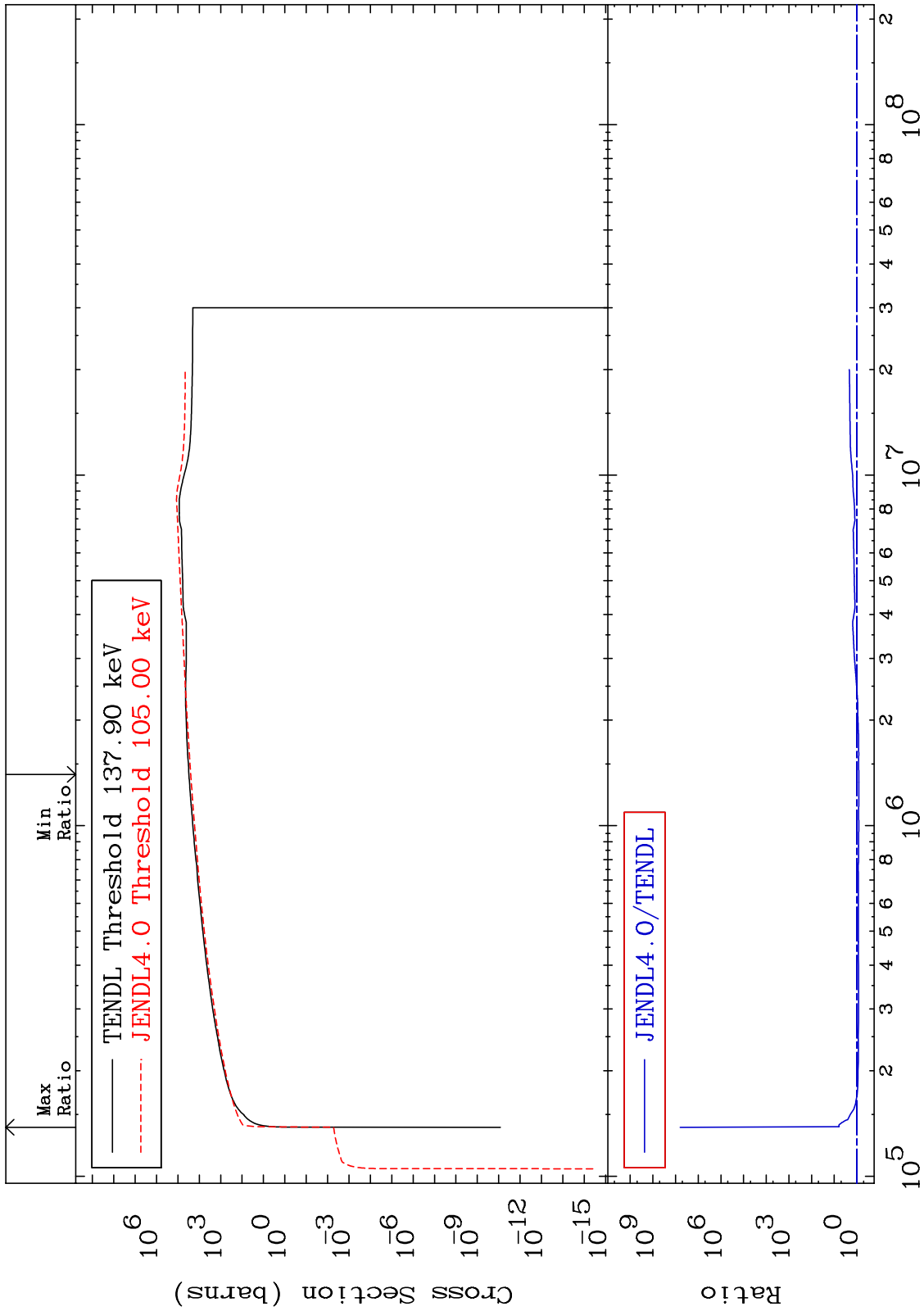


MAT 7631 Dpa elastic (mt2) 76-Os-186
Cross Section -89.50 To 1338. %



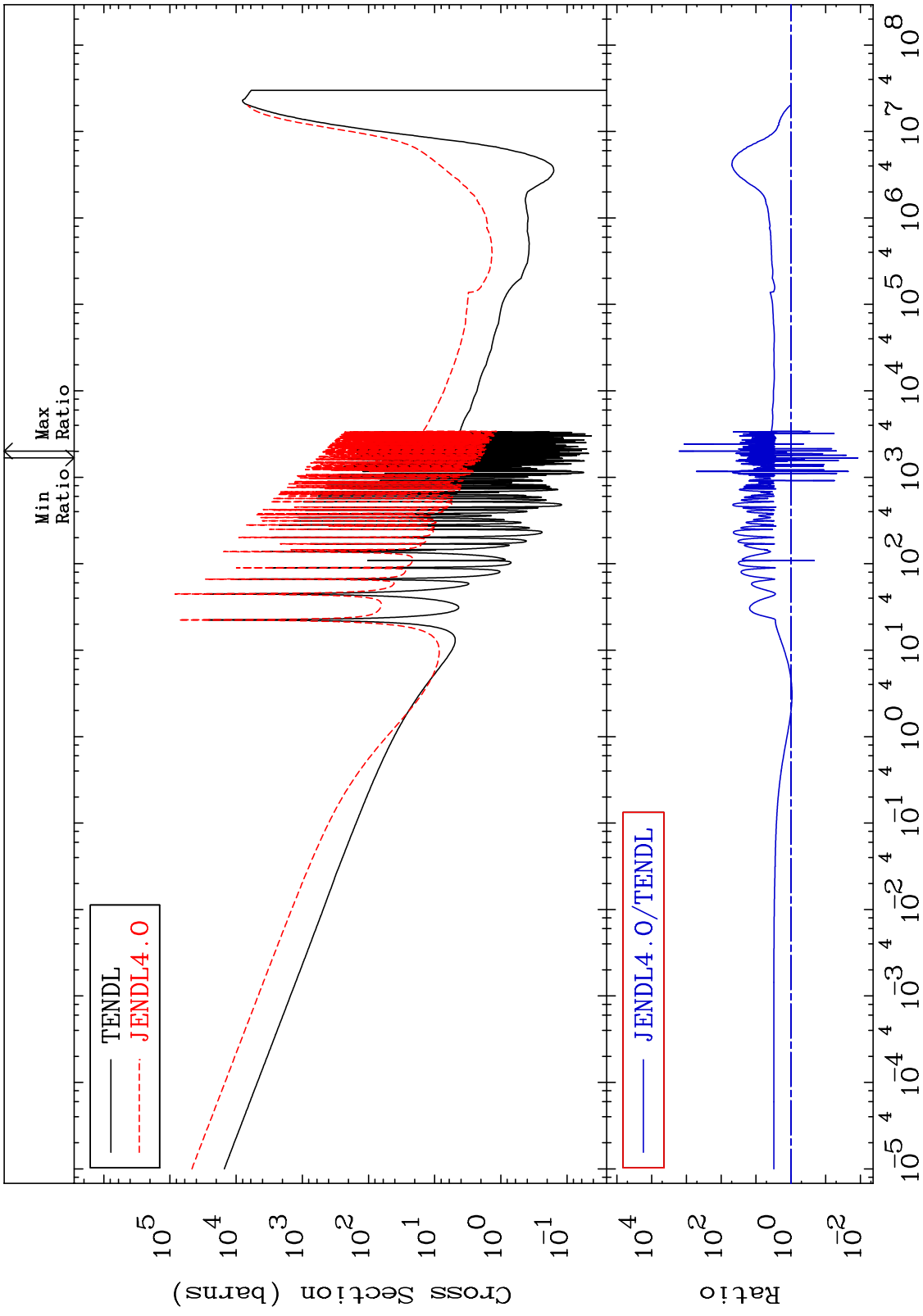
62 Incident Energy (eV) 76-Os-186

MAT 7631 Dpa inelastic (mt51-91) 76-Os-186
 Cross Section -18.11 To 9999. %



63 Incident Energy (eV) 76-Os-186

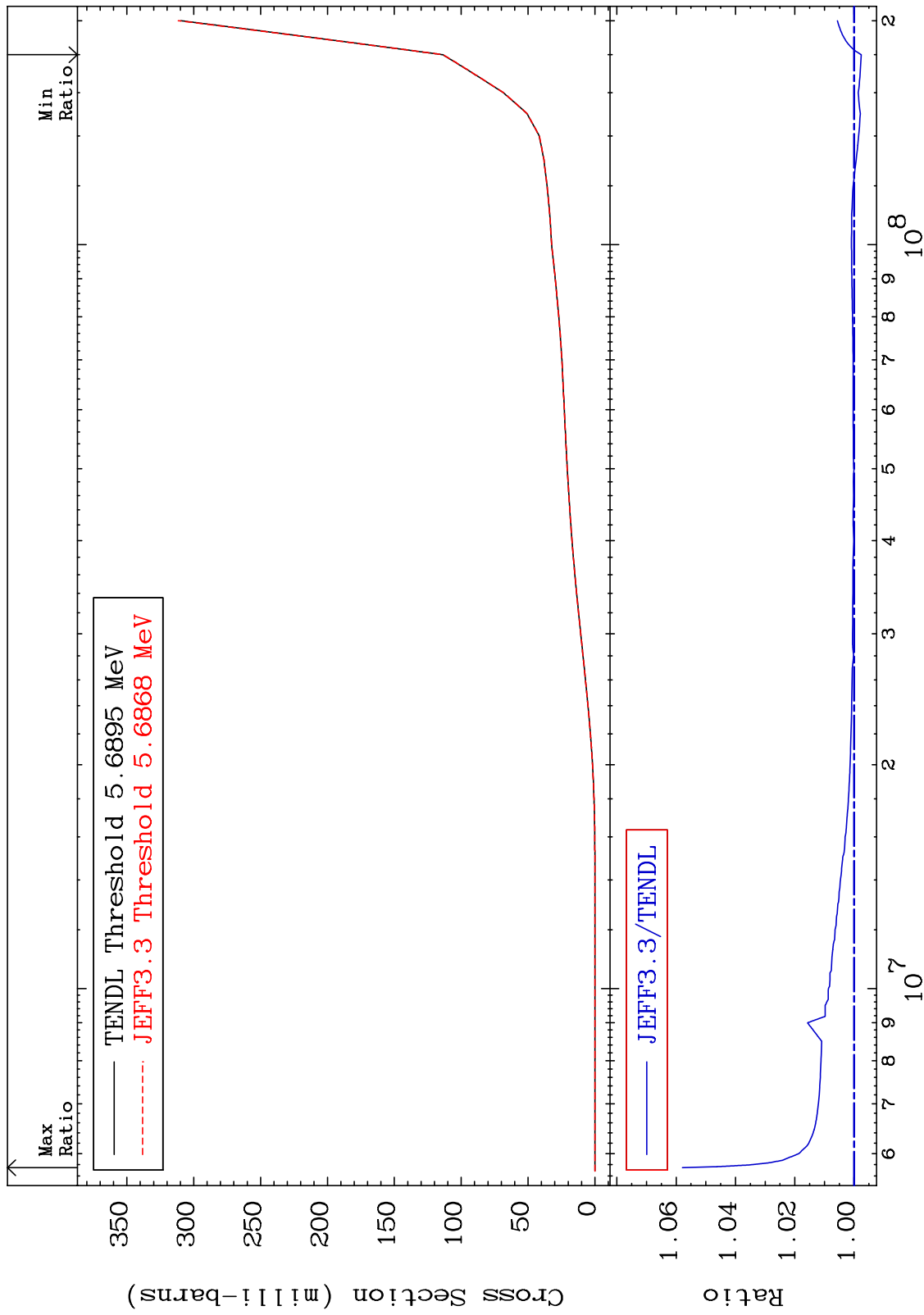
MAT 7631 Dpa disappearance (mt102 -120) 76-Os-186
 Cross Section -98.81 To 9999. %



MAT 7631

Tritium Production
Cross Section

76-0s-186
-0.241 To 5.789 %



65

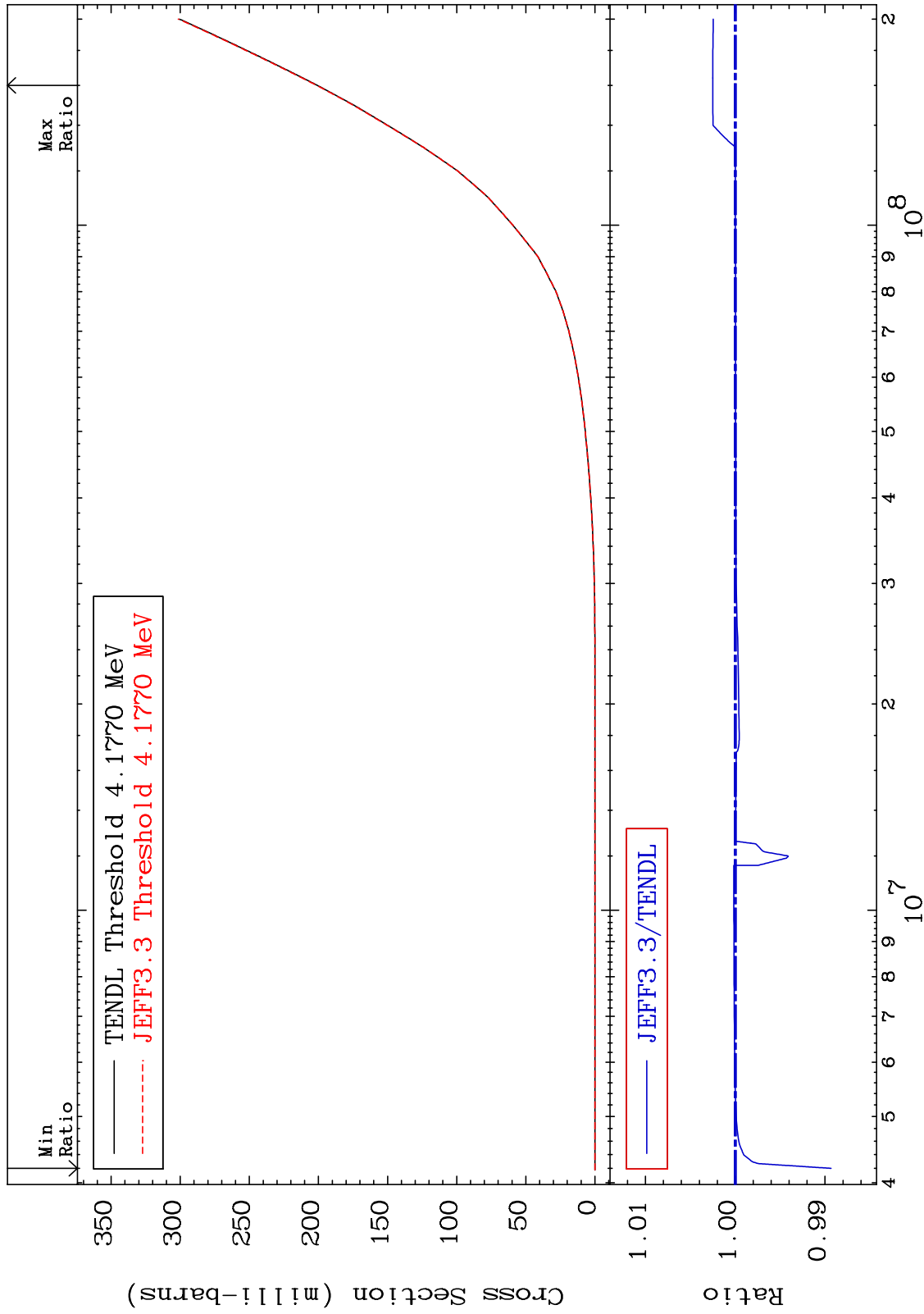
Incident Energy (eV)

76-0s-186

MAT 7631

He-3 Production
Cross Section

76-0s-186
-1.067 To 0.251 %



66

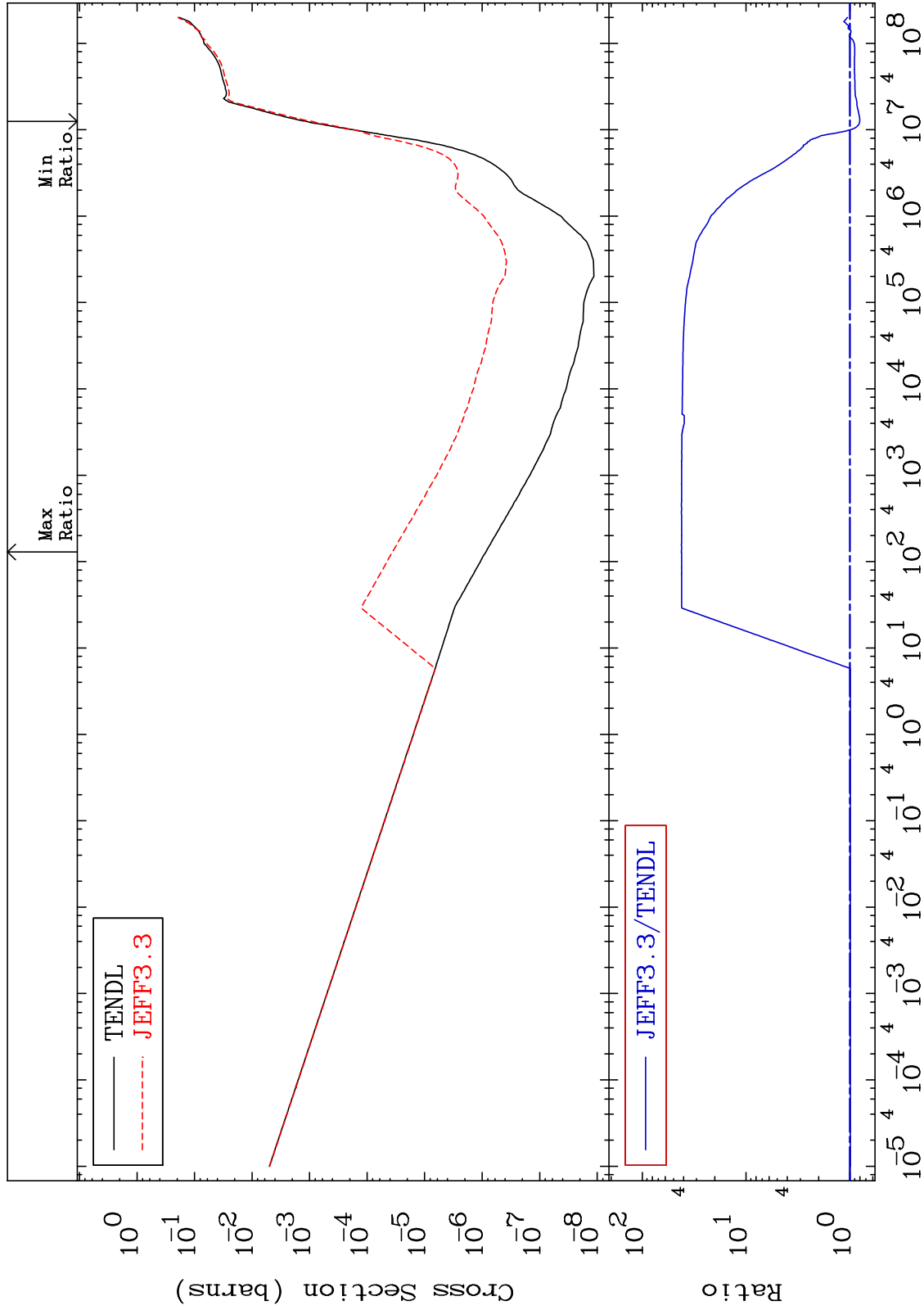
Incident Energy (eV)

76-0s-186

MAT 7631

He-4 Production
Cross Section

76-Os-186
-19.74 To 4111. %

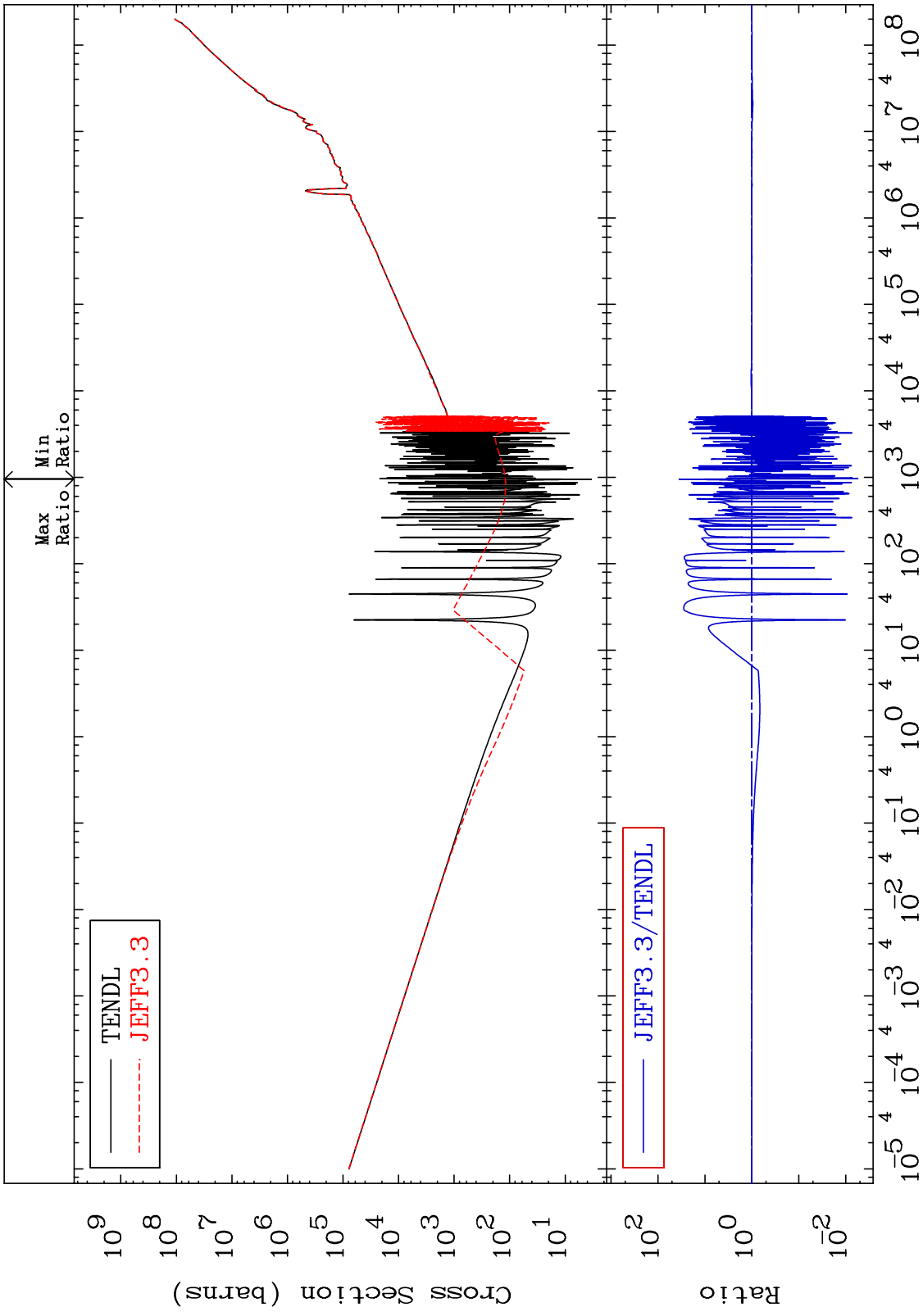


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Incident Energy (eV)

76-Os-186

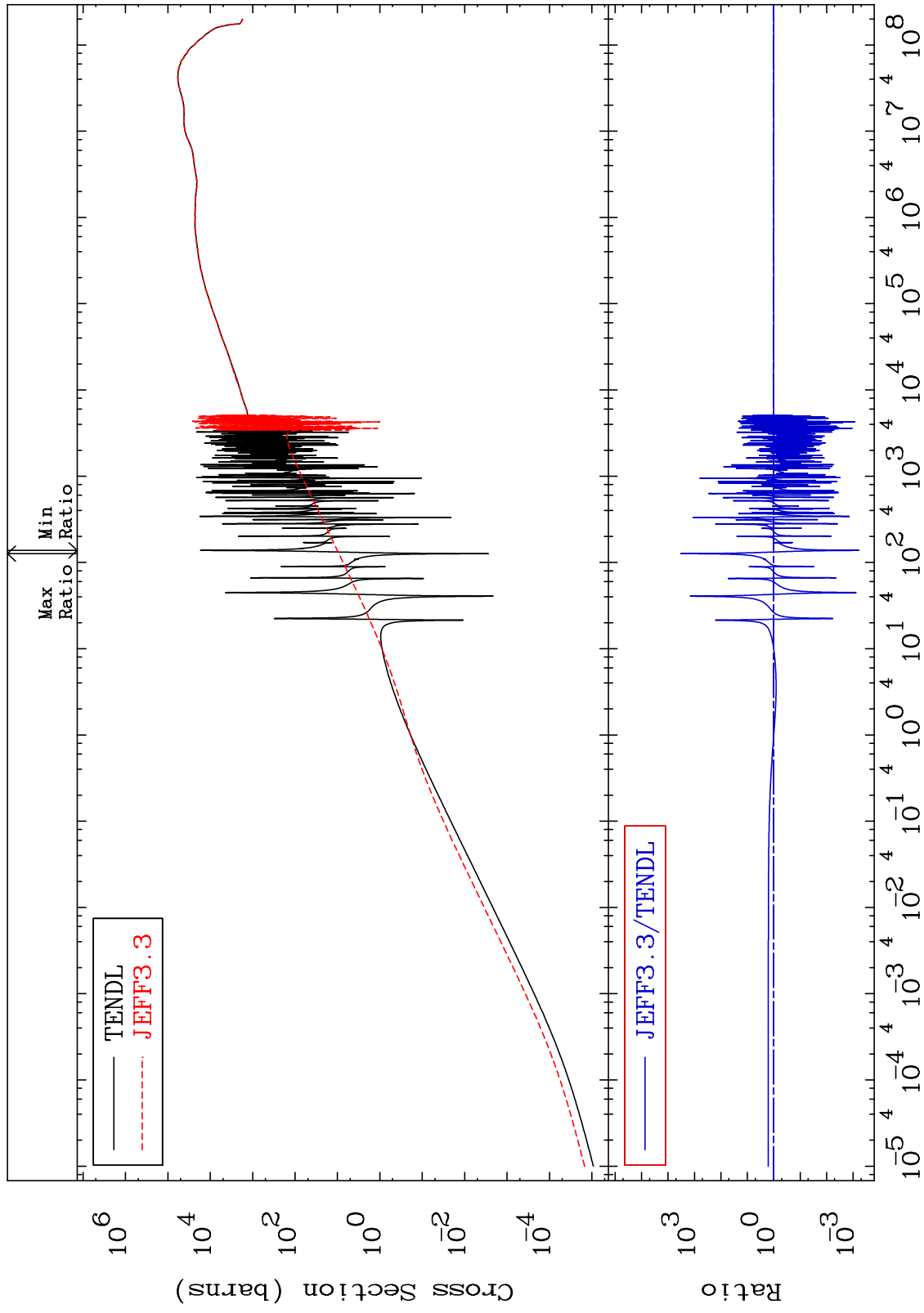
MAT 7631 Kerma total (eV-barns) 76-Os-186
 Cross Section -99.45 To 3455. %



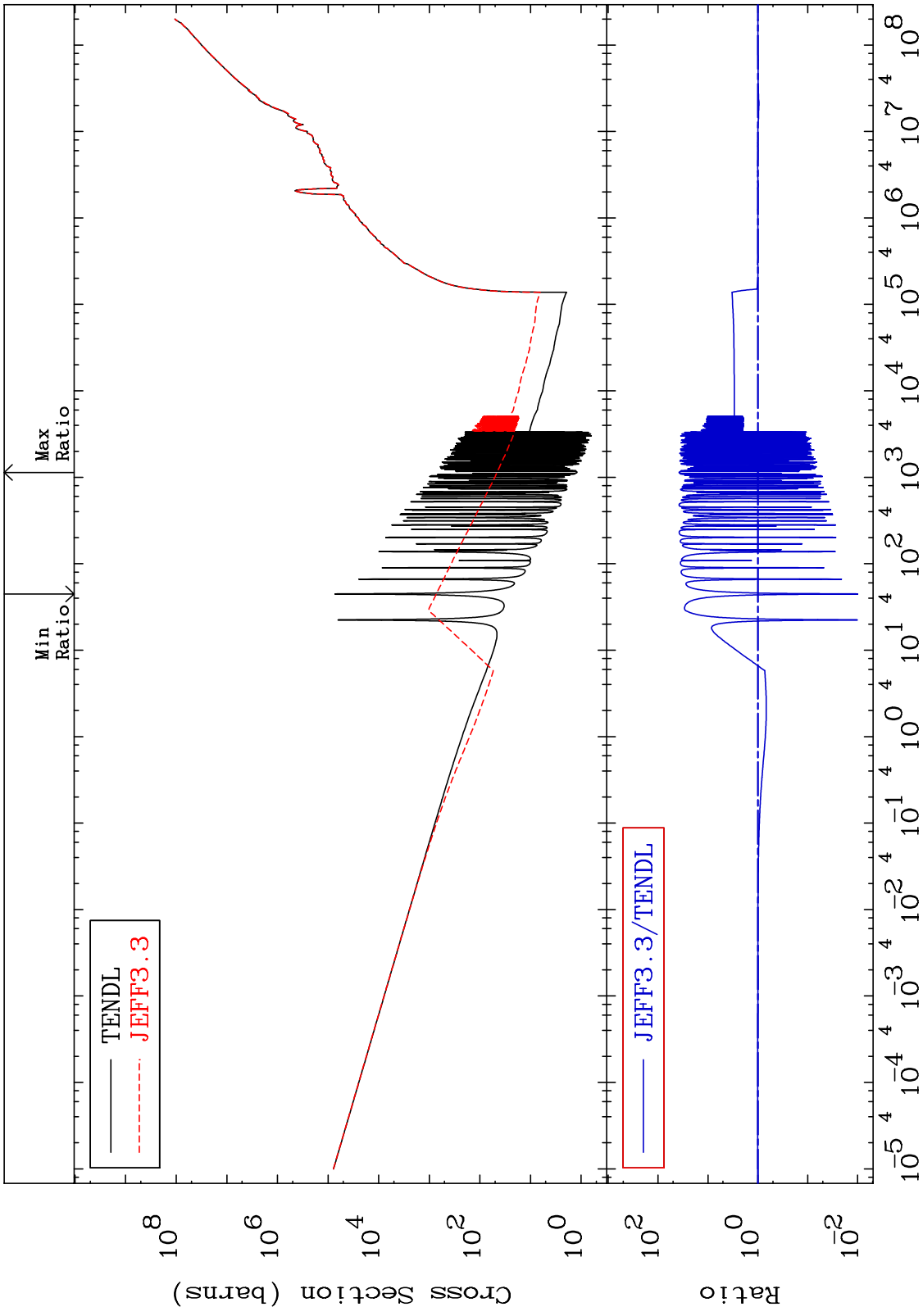
MAT 7631

Kerma elastic
Cross Section

76-Os-186
-99.94 To 9999. %

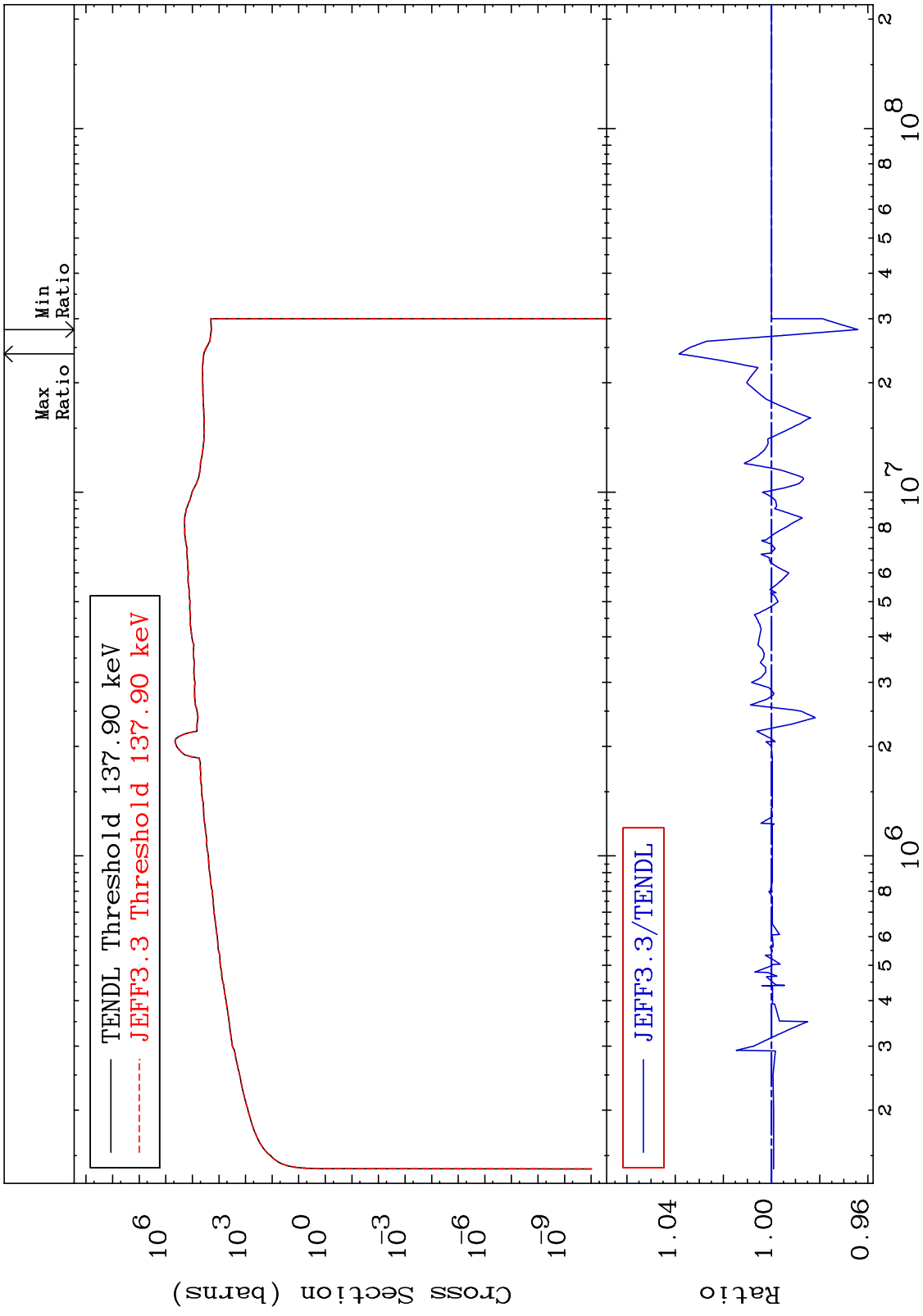


MAT 7631 Kerma non-elastic (all but mt2) 76-Os-186
 -99.01 To 3695. %
 Cross Section



70 76-Os-186

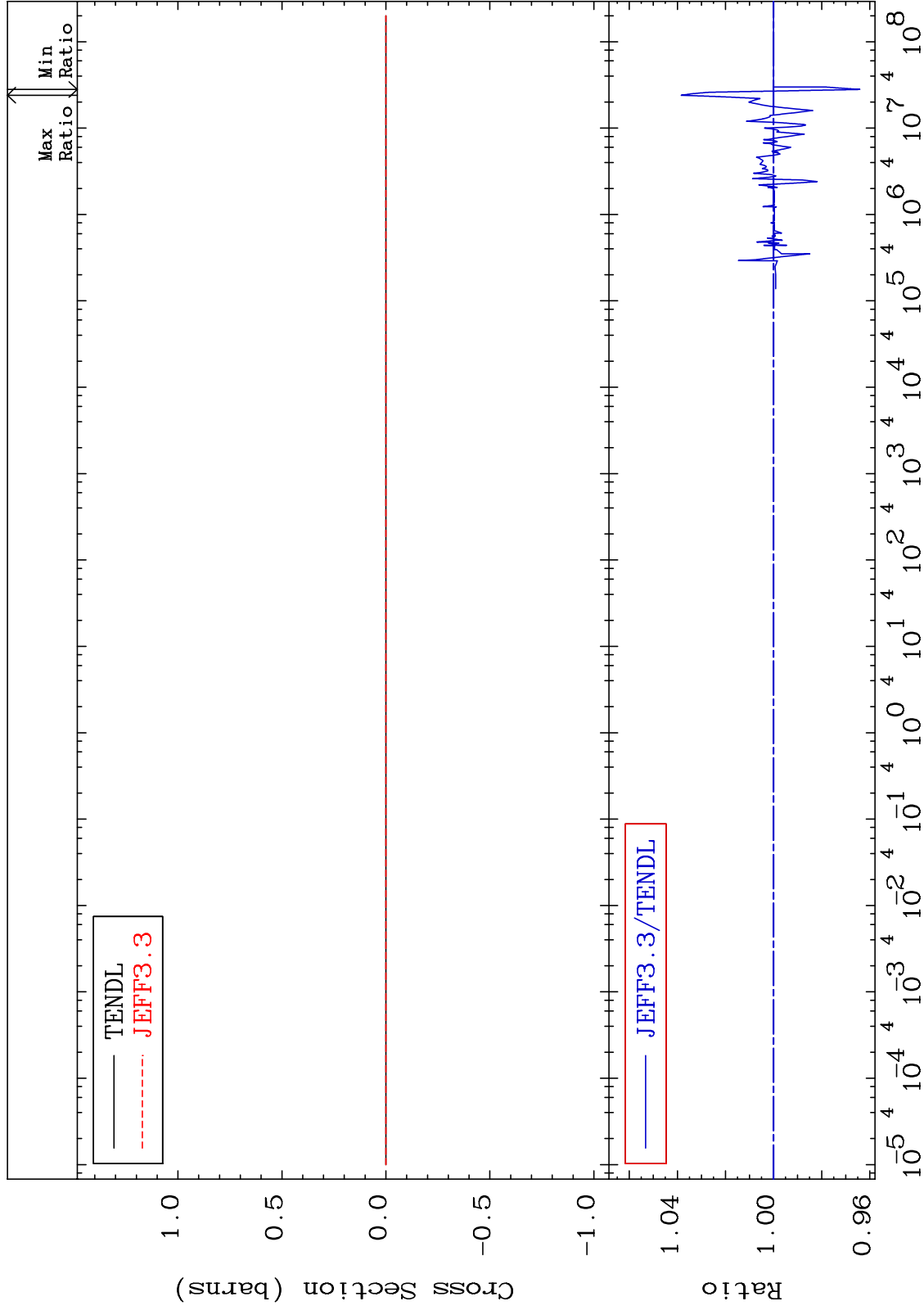
MAT 7631 Kerma inelastic (mt51-91) 76-0s-186
 Cross Section -3.585 To 3.838 %



MAT 7631

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

76-0s-186
-3.585 To 3.838 %



72

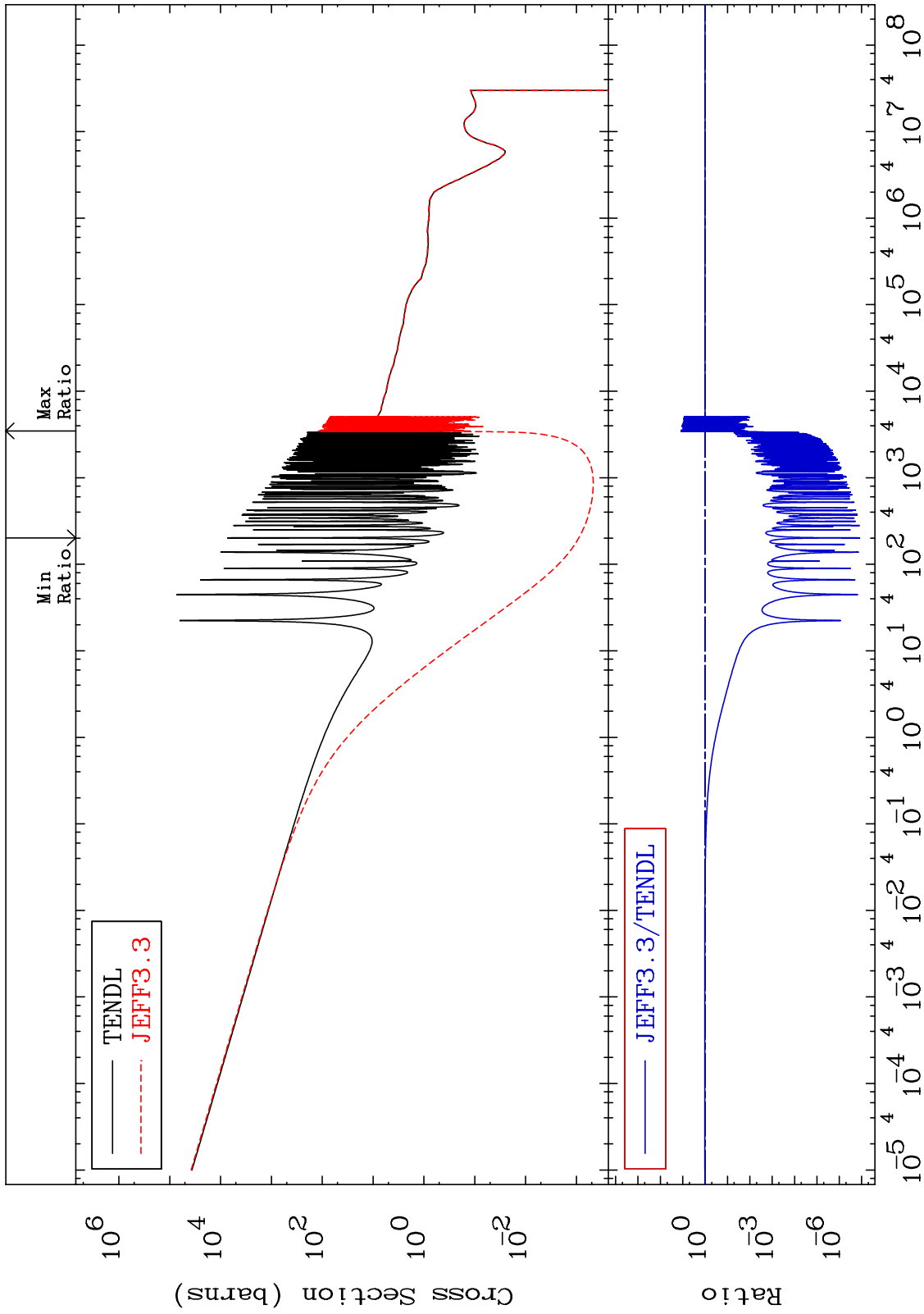
Incident Energy (eV)

76-0s-186

MAT 7631

Kerma capture (mt102)
Cross Section

76-0s-186
-100.0 To 1117. %



73

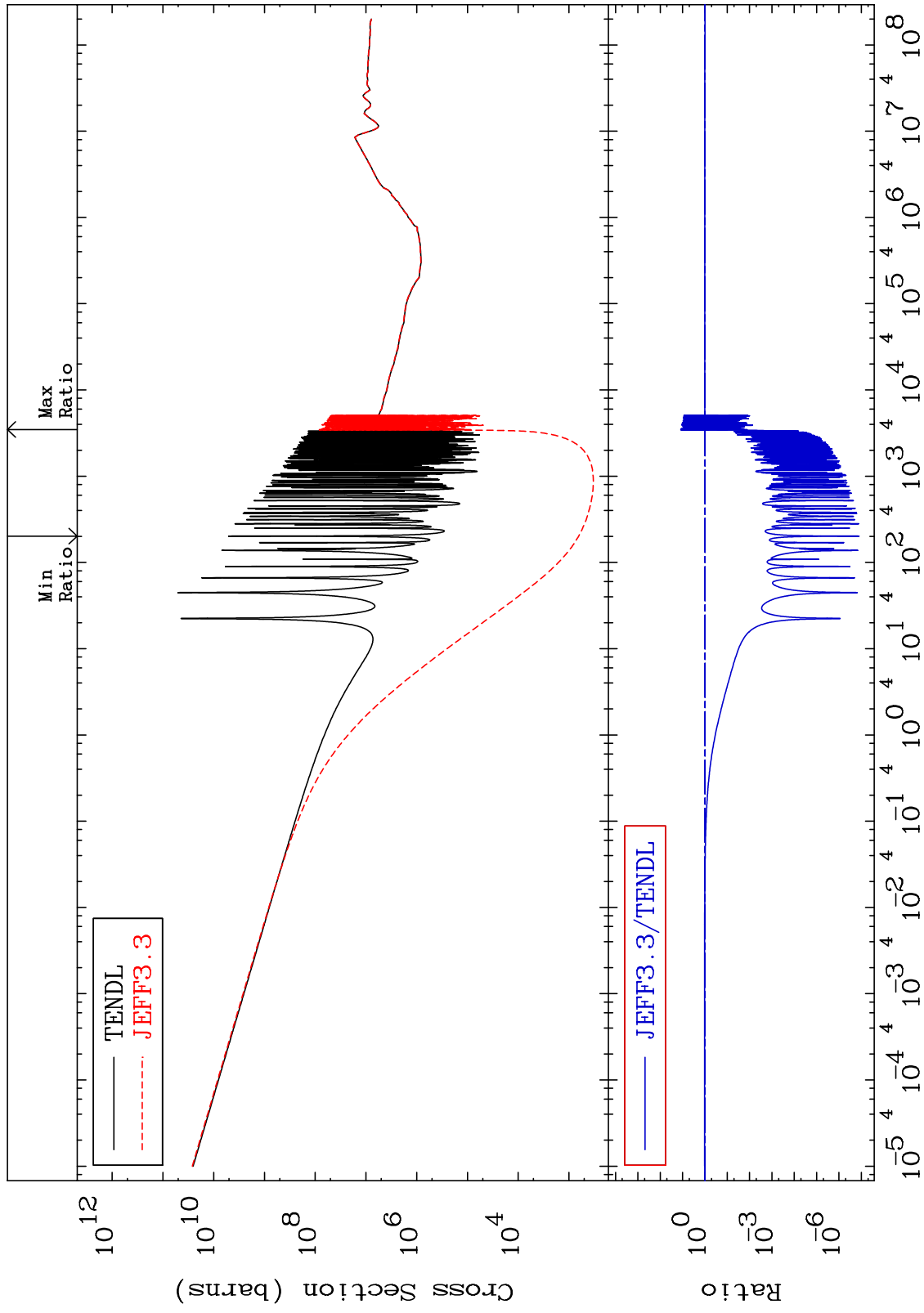
Incident Energy (eV)

76-0s-186

MAT 7631

Total photon (eV-barns)
Cross Section

76-Os-186
-100.0 To 1117. %



74

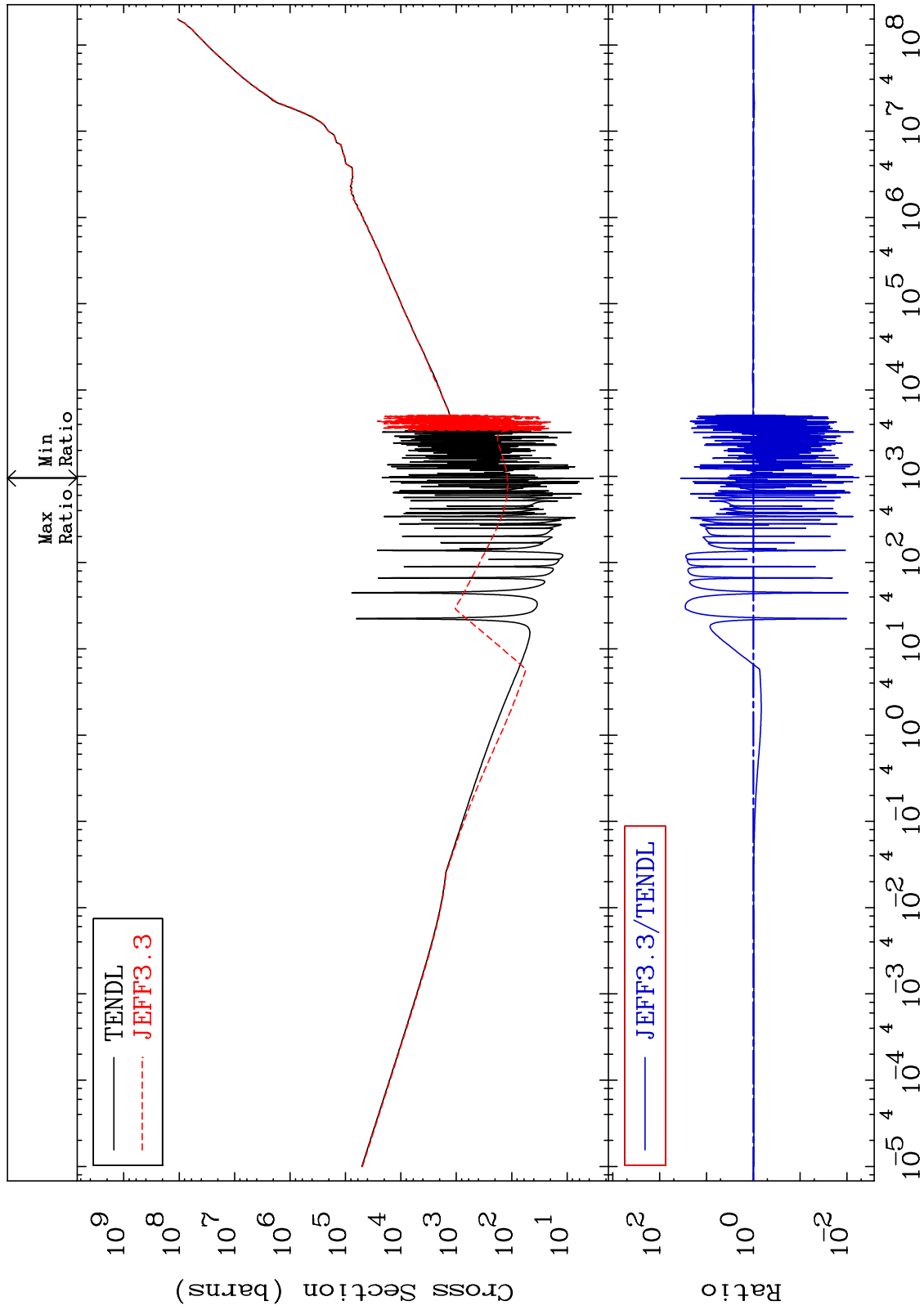
Incident Energy (eV)

76-Os-186

MAT 7631

Total kinematic kerma (high limit)
Cross Section

76-Os-186
-99.44 To 3457. %



75

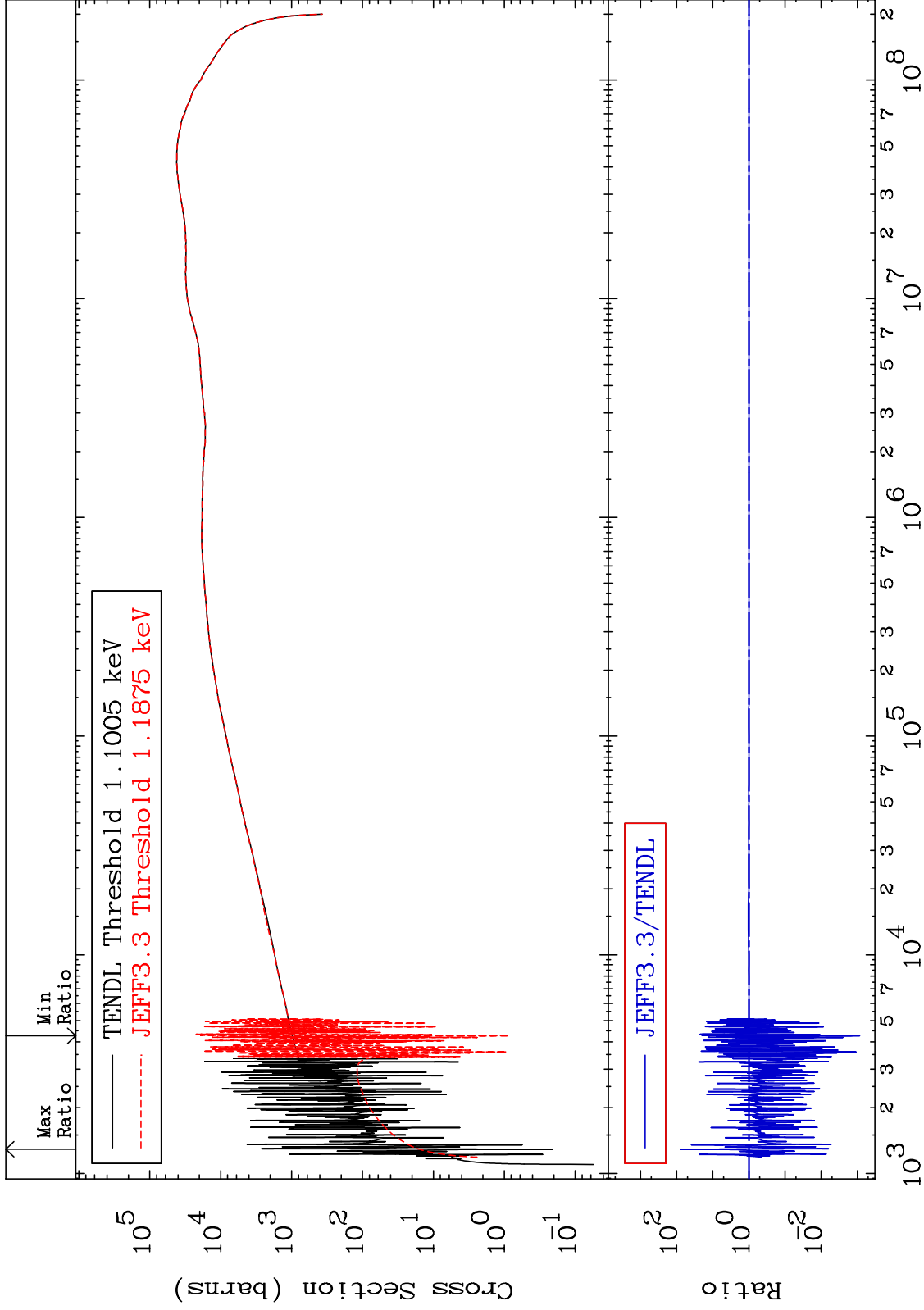
Incident Energy (eV)

76-Os-186

MAT 7631

Dpa elastic (mt2)
Cross Section

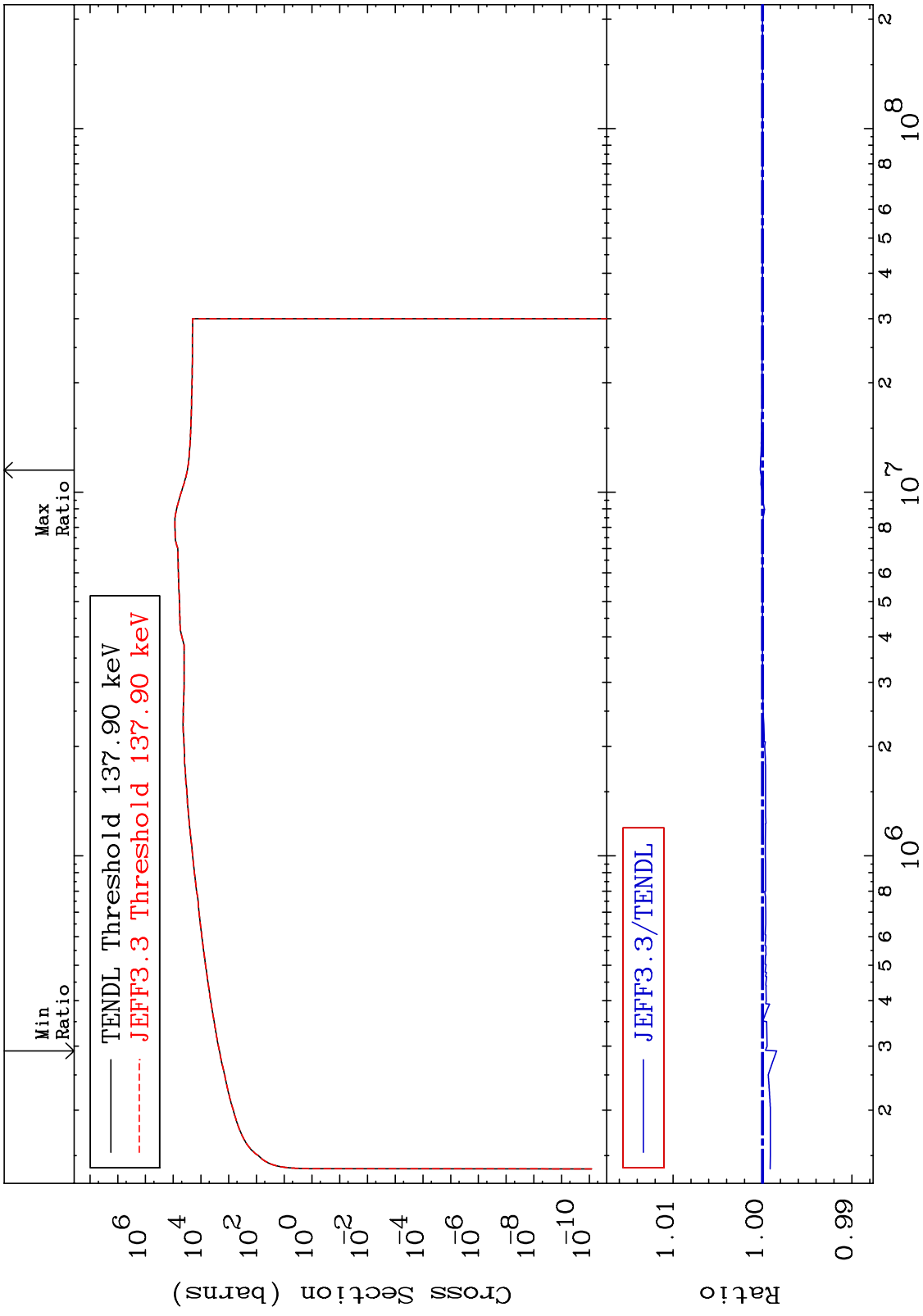
76-Os-186
-99.91 To 7530. %



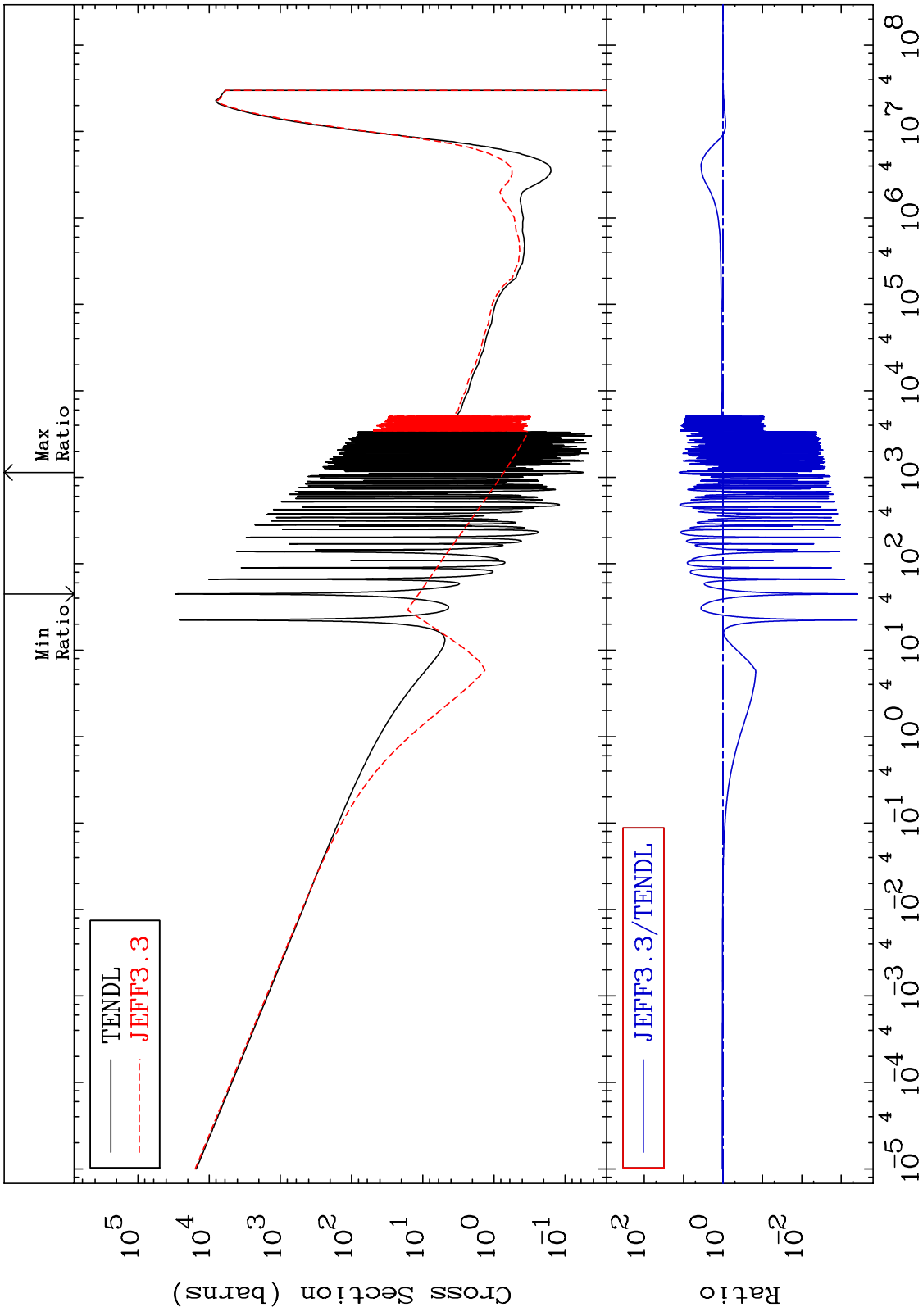
77

Incident Energy (eV)

76-Os-186



MAT 7631 Dpa disappearance (mt102 -120) 76-0s-186
 Cross Section -99.96 To 1204. %



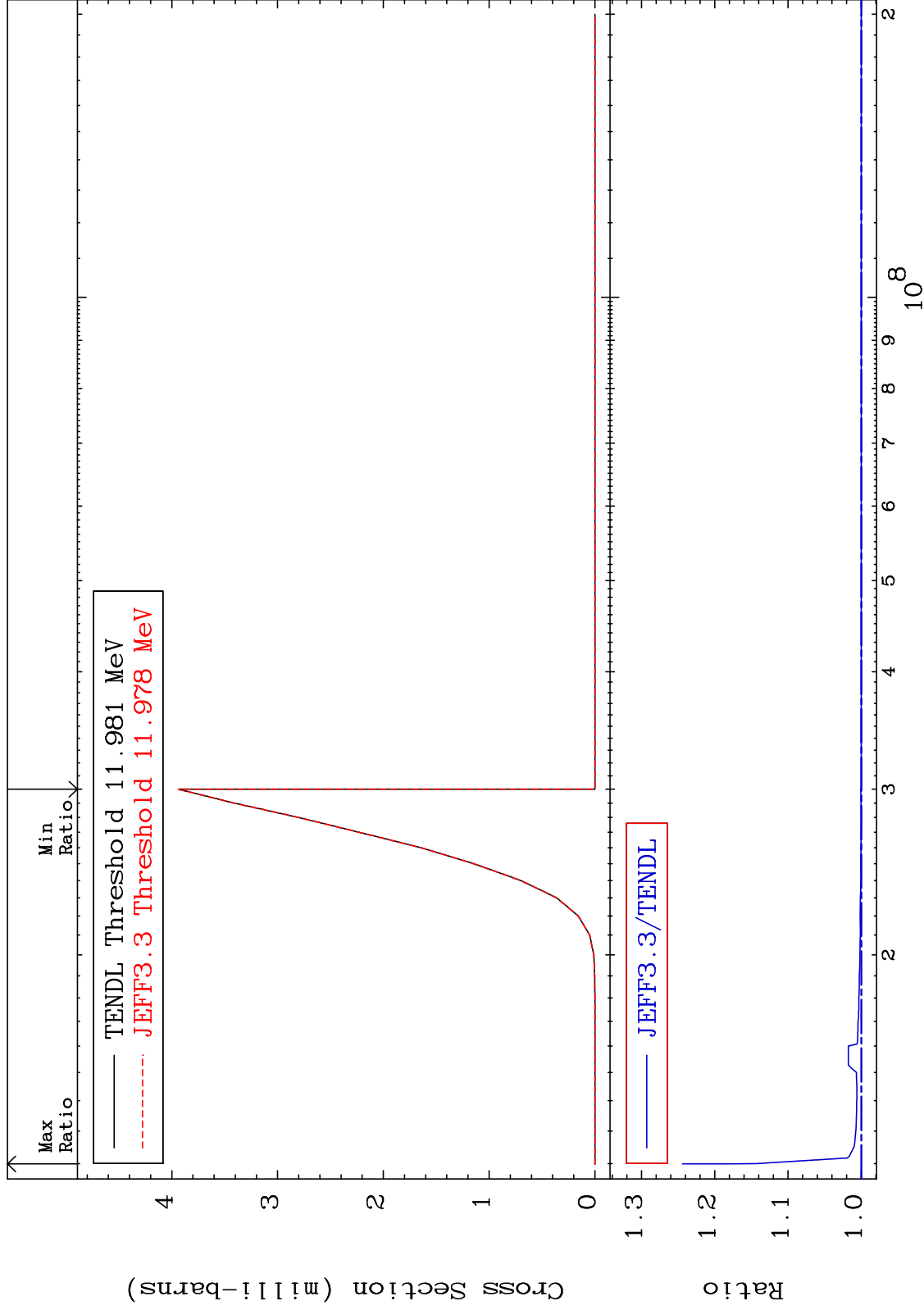
79 Incident Energy (eV) 76-0s-186

MAT 7631

(n, n') d: 75-Re-184g

76-Os-186

Radionuclide Production Cross Section 0.000 To 24.42 %

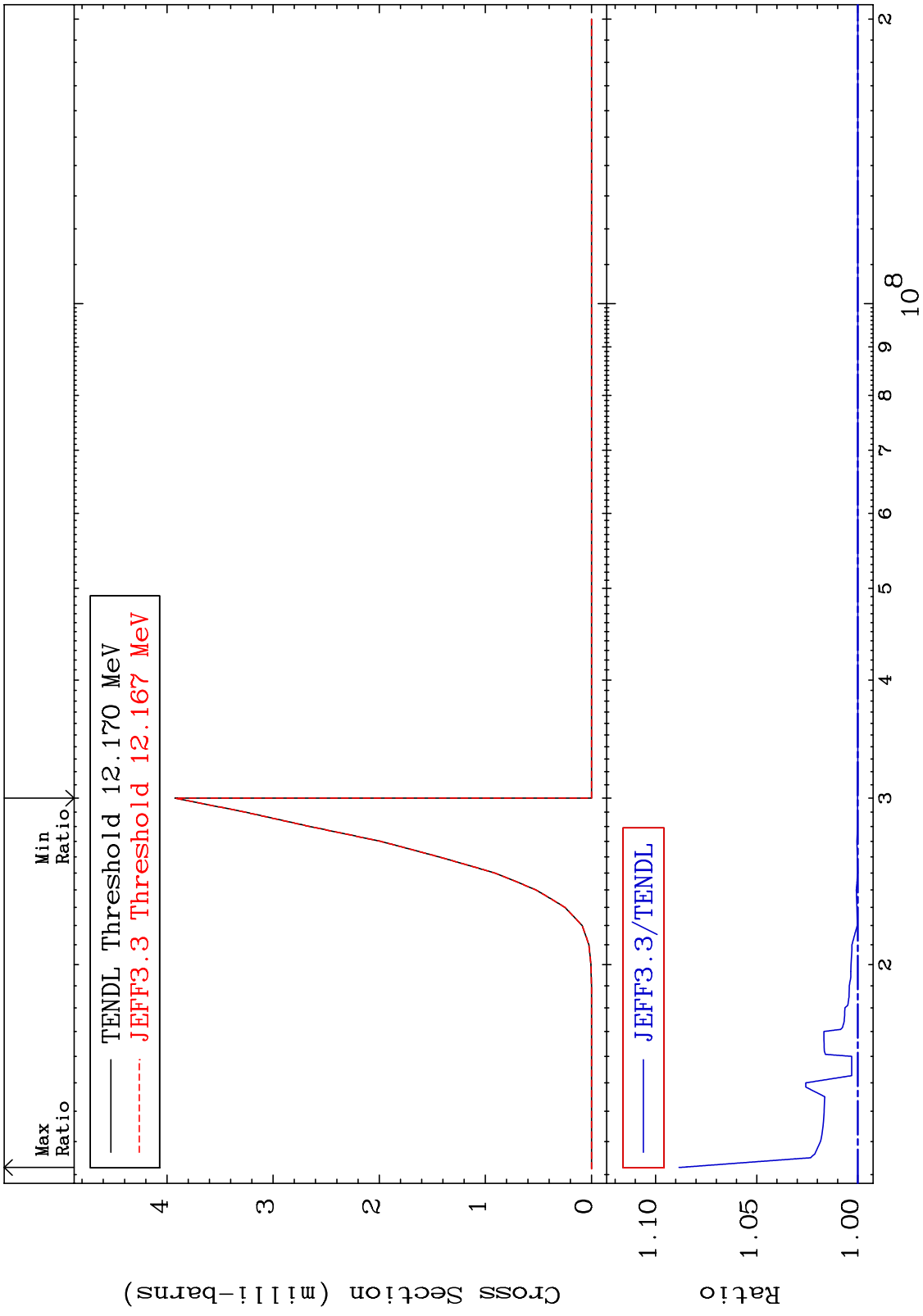


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Incident Energy (eV)

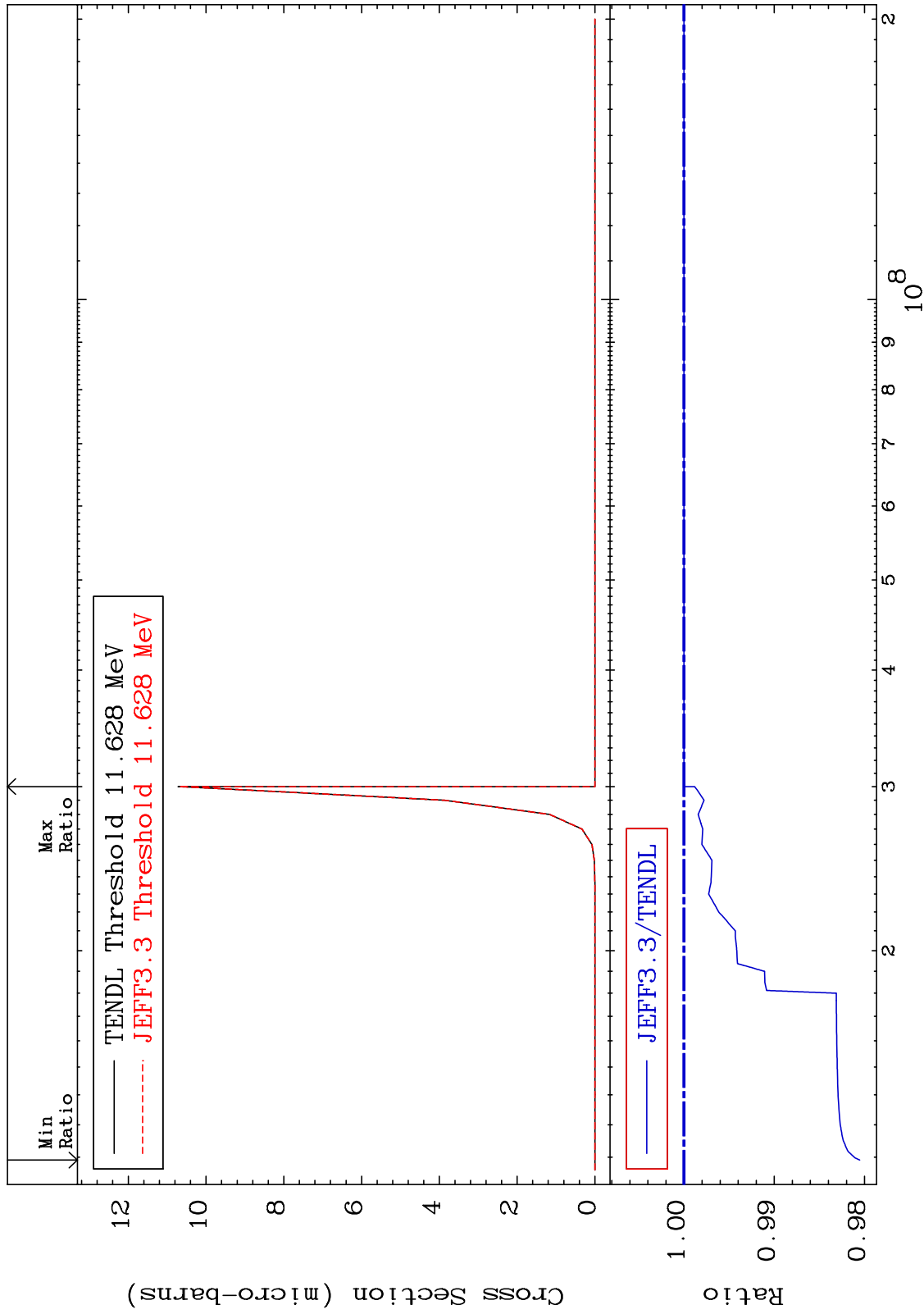
76-Os-186

MAT 7631 (n, n') d: 75-Re-184m5 76-0s-186
 Radionuclide Production Cross Section 0.000 To 8.840 %



MAT 7631

(n, n') He-3:74-W -183g 76-0s-186
Radionuclide Production Cross Section -1.947 To 0.000 %



82

Incident Energy (eV)

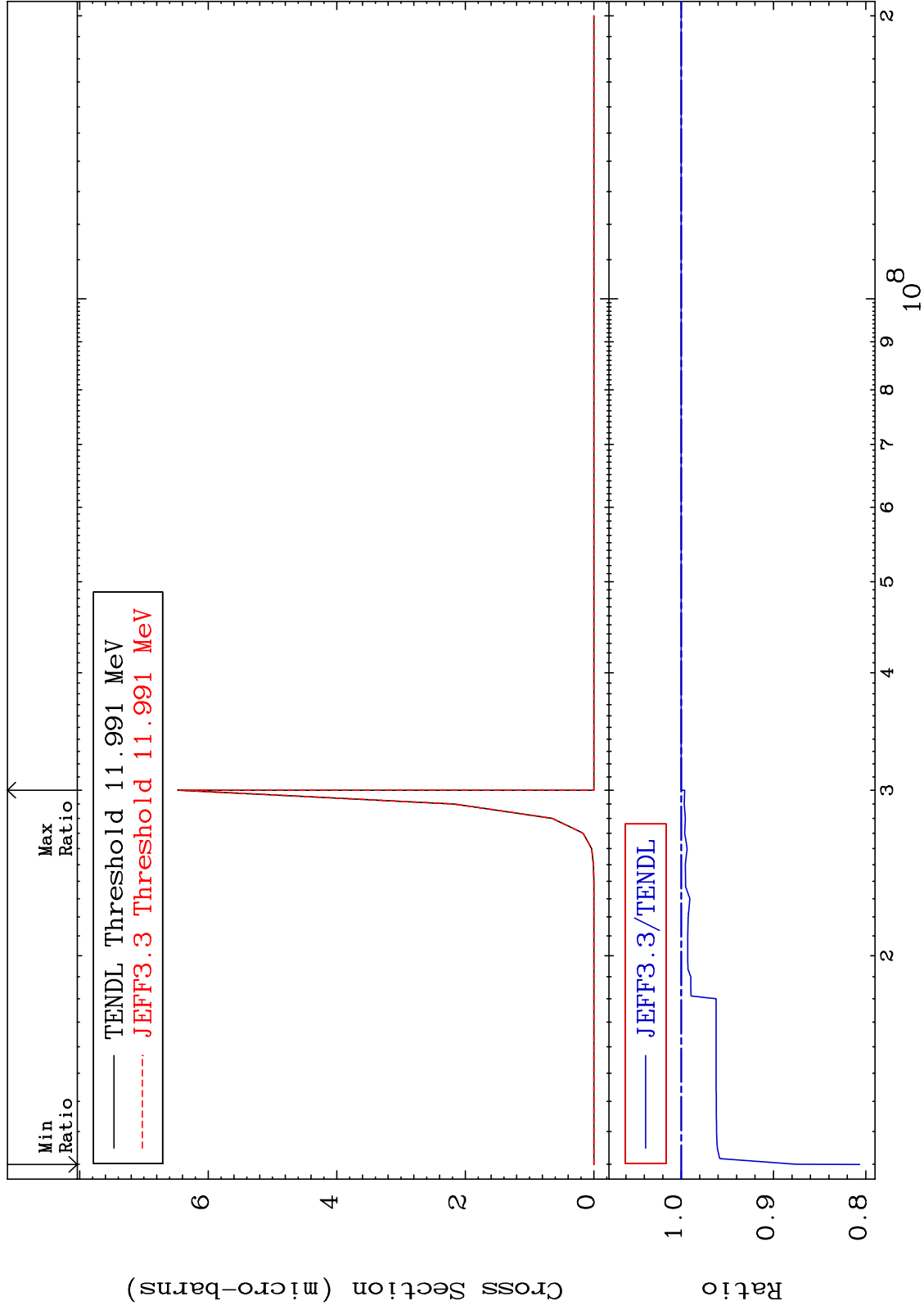
76-0s-186

MAT 7631

(n, n') He-3:74-W -183m7

76-0s-186

Radionuclide Production Cross Section -19.35 To 0.000 %

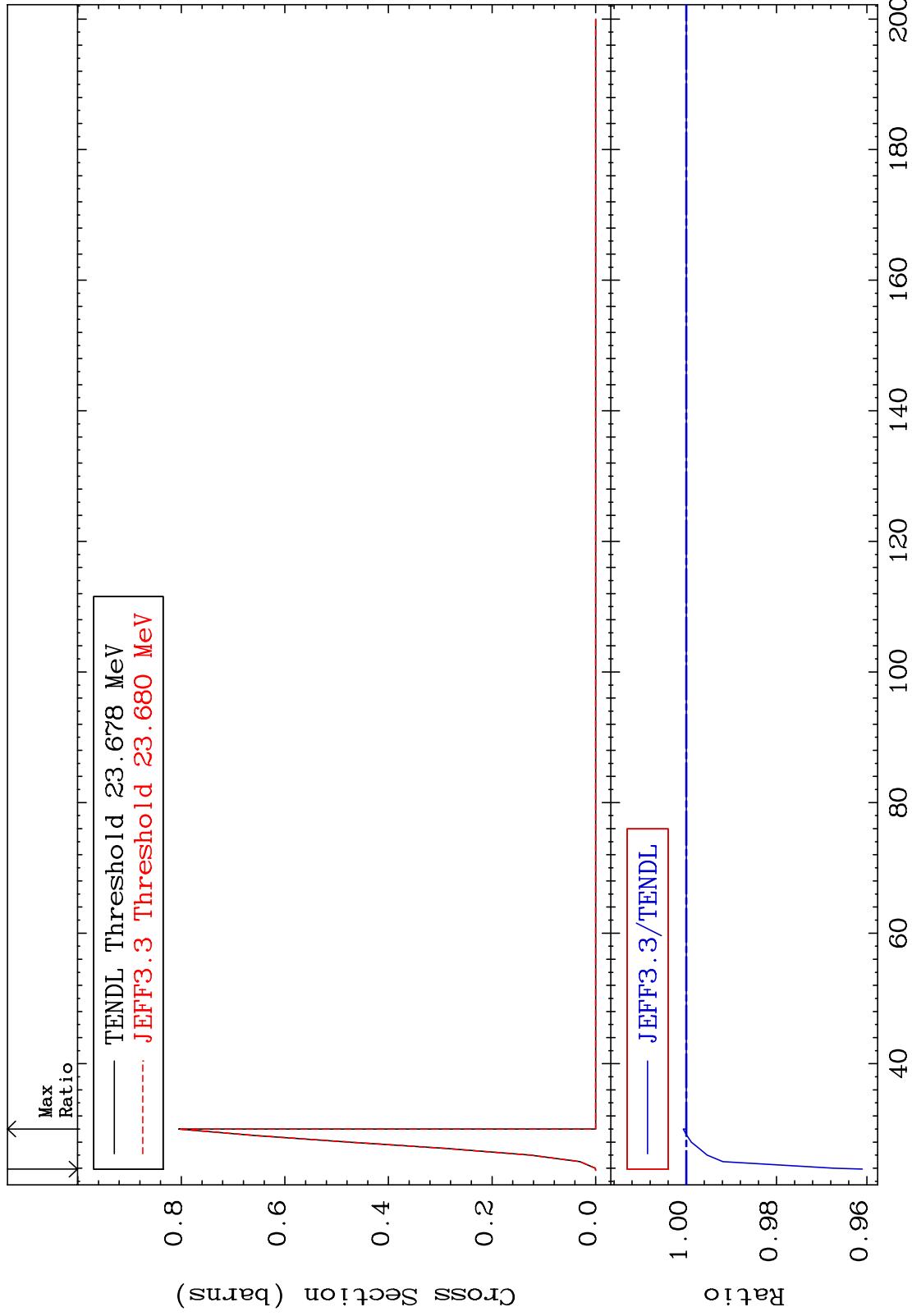


MAT 7631

(n,4n):76-0s-183g

76-0s-186

Radionuclide Production Cross Section -3.901 To 0.065 %

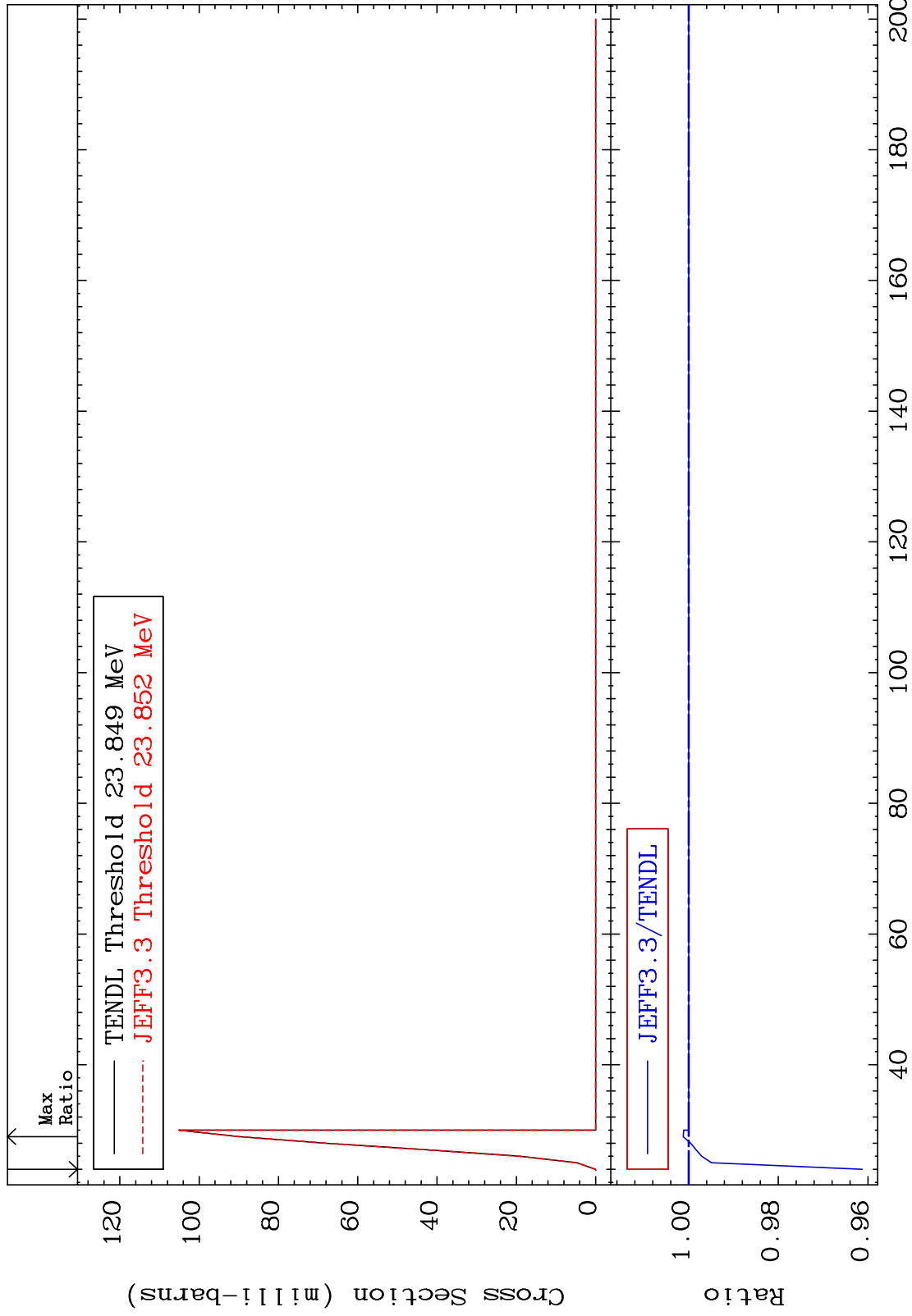


MAT 7631

(n,4n):76-0s-183m2

76-0s-186

Radionuclide Production Cross Section -3.876 To 0.119 %

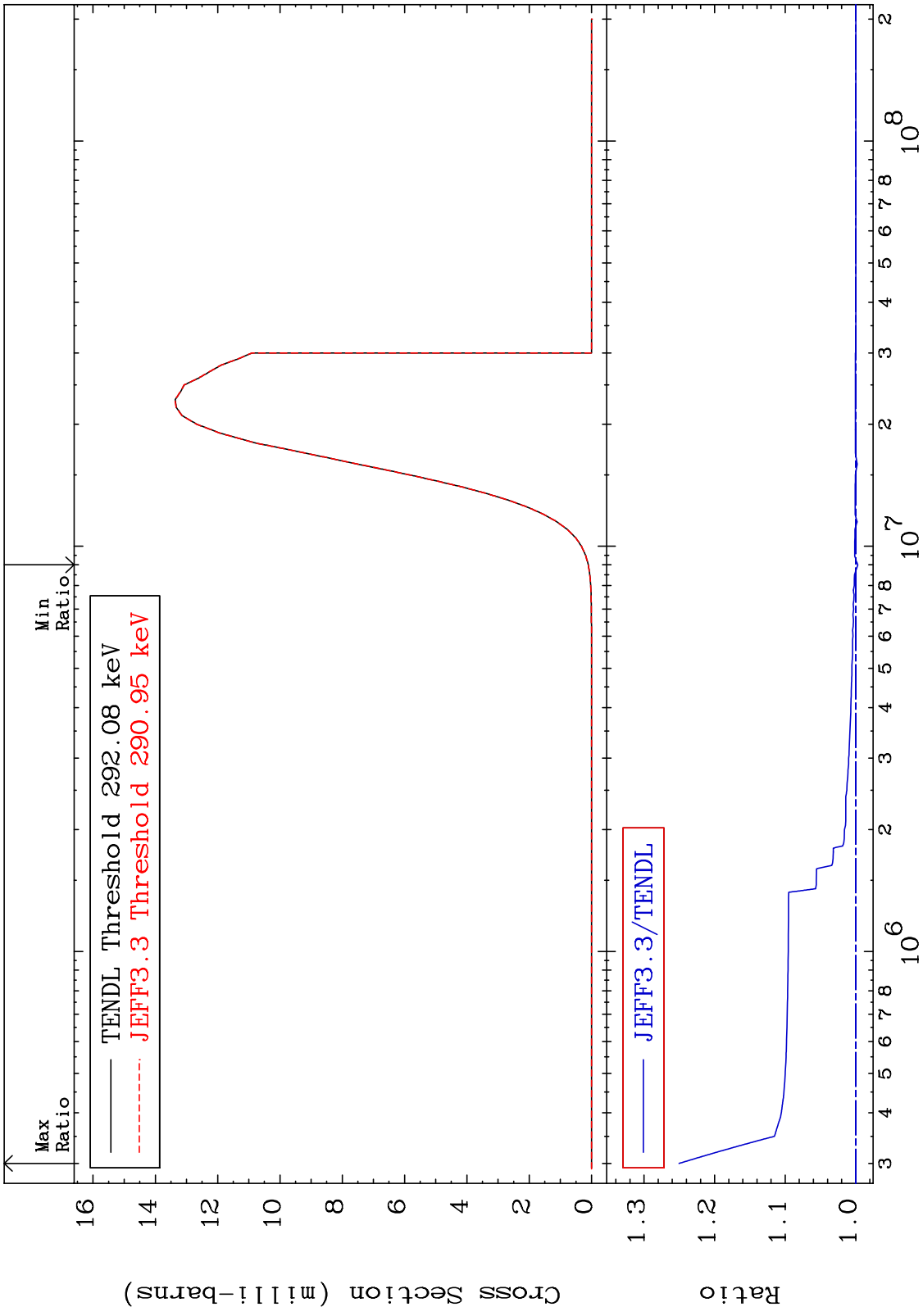


85

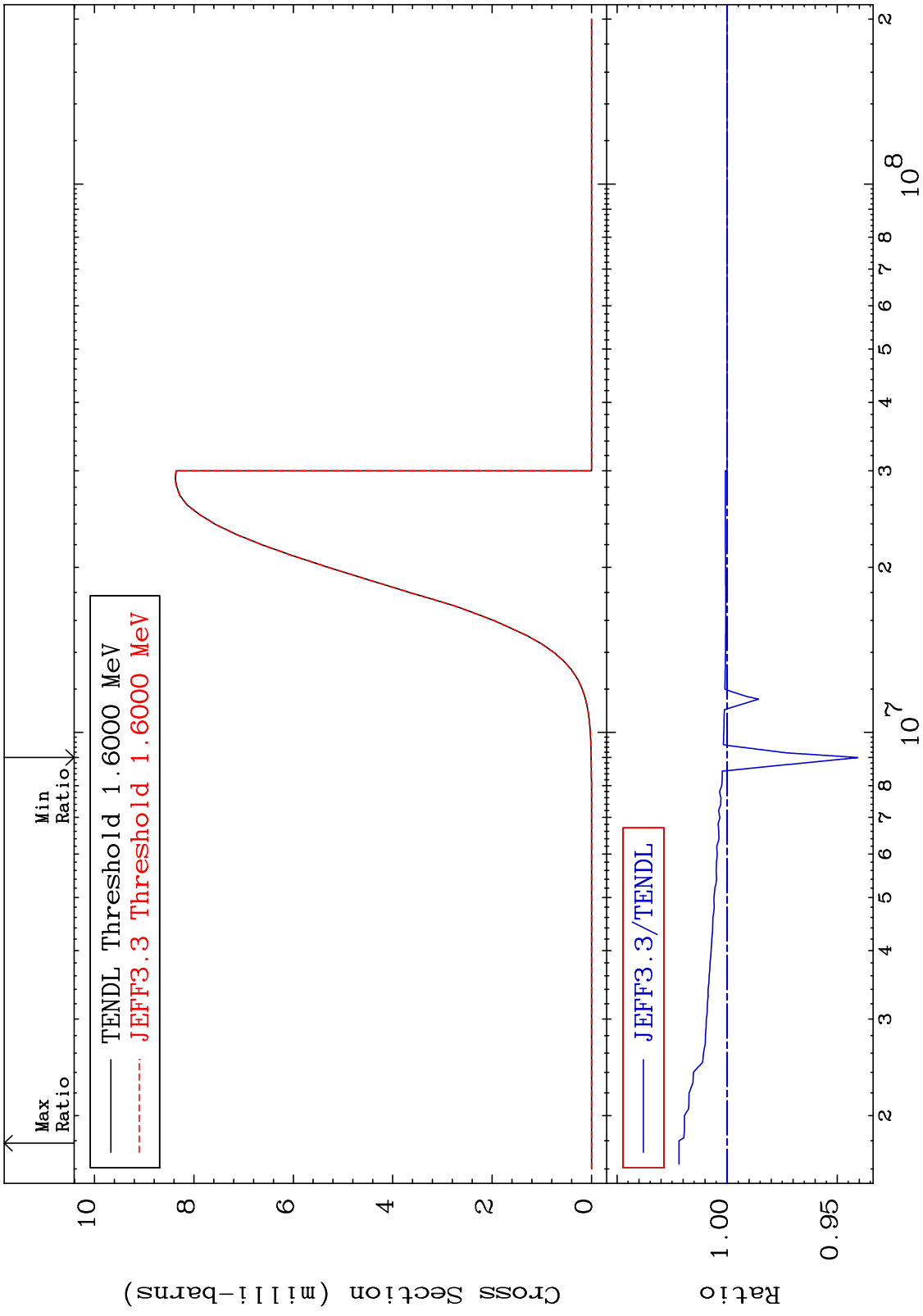
Incident Energy (MeV)

76-0s-186

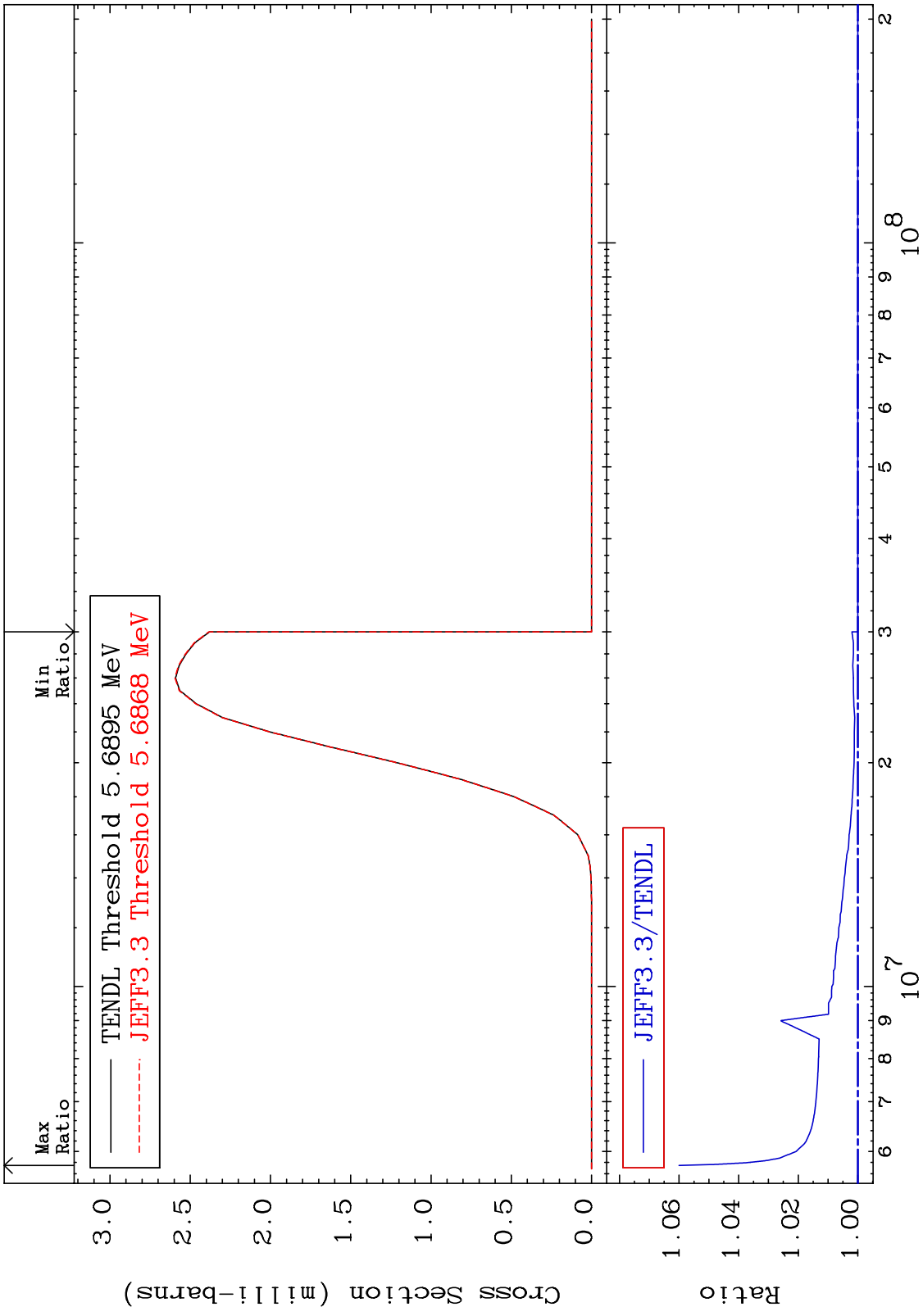
MAT 7631 (n,p):75-Re-186 76-Os-186
 Radionuclide Production Cross Section -0.294 To 25.04 %



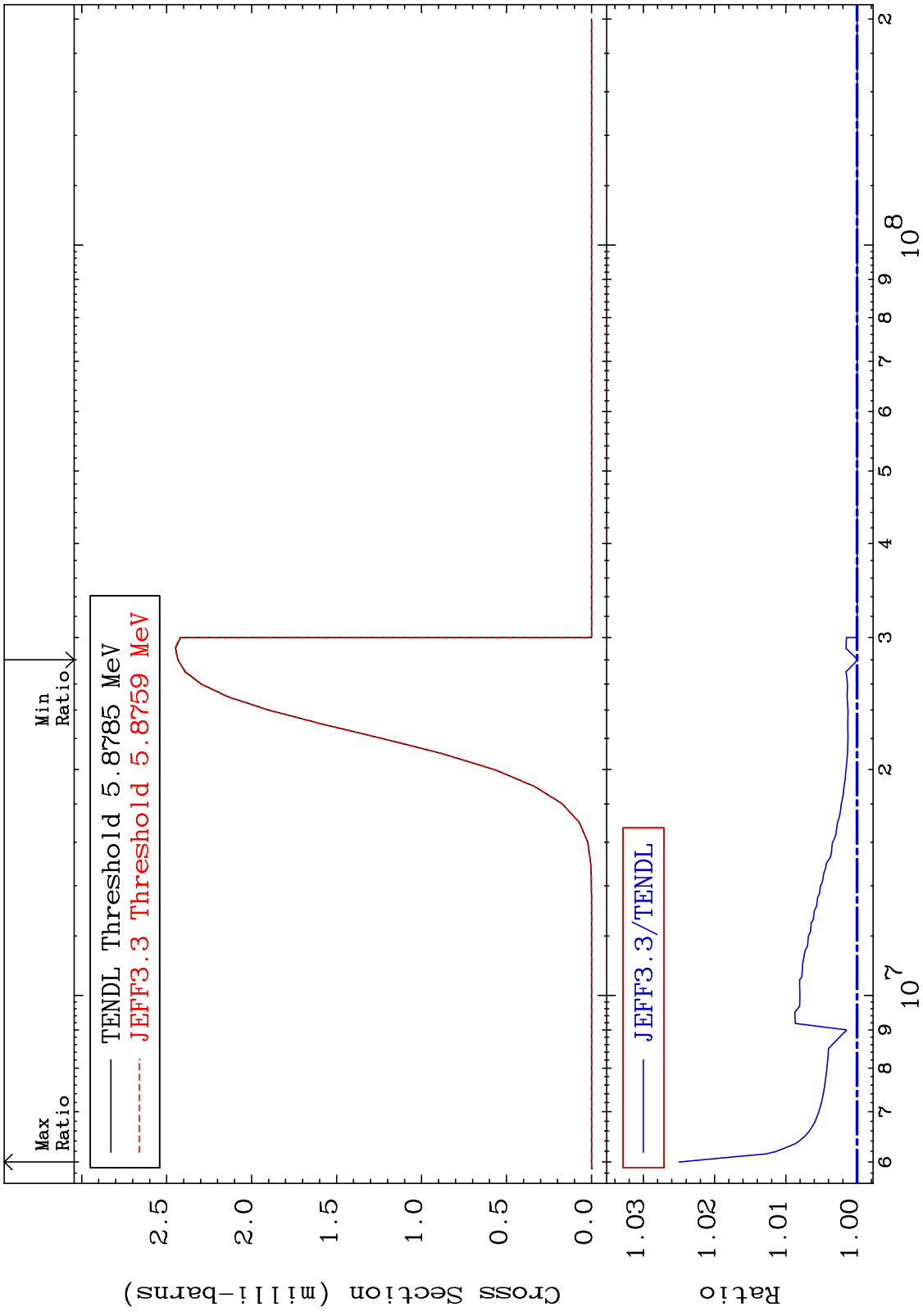
MAT 7631 (n,p): 75-Re-186m4 76-0s-186
 Radionuclide Production Cross Section -5.936 To 2.183 %



MAT 7631 (n,t):75-Re-184g 76-Os-186
 Radionuclide Production Cross Section 0.000 To 6.001 %



MAT 7631 (n, t) : 75-Re-184m5 76-0s-186
 Radionuclide Production Cross Section -0.011 To 2.499 %

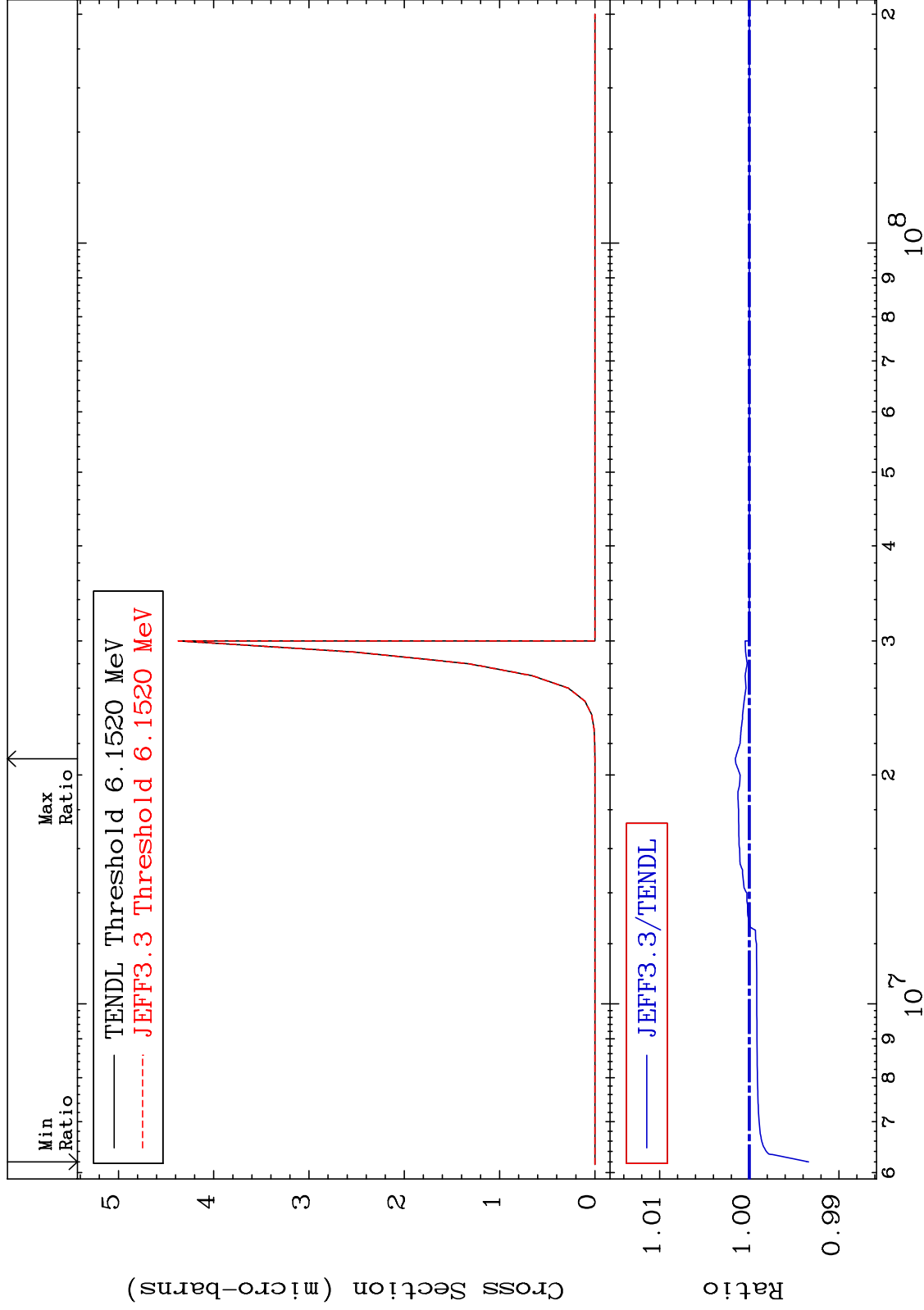


MAT 7631

(n,2p):74-W -185g

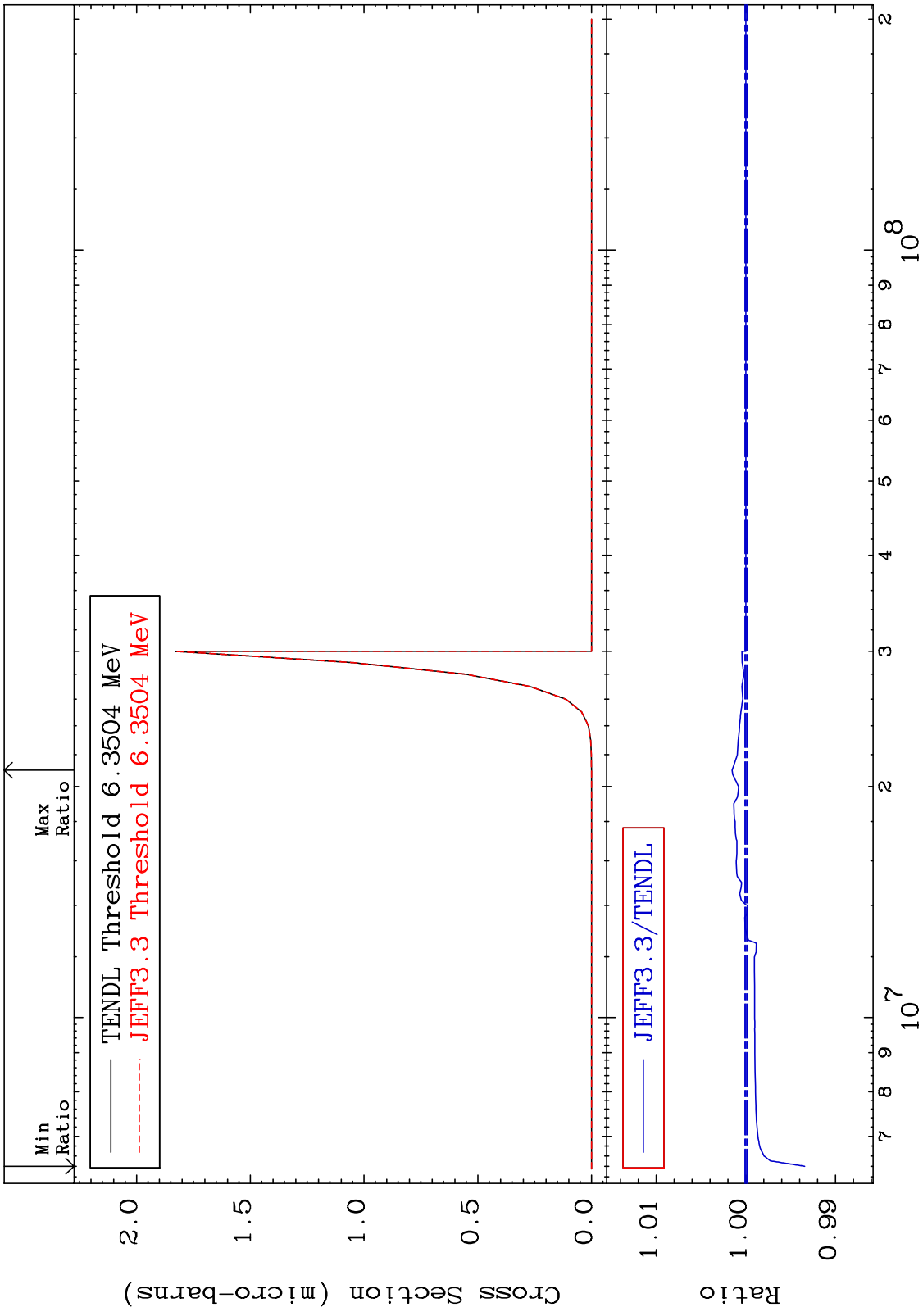
76-0s-186

Radionuclide Production Cross Section -0.661 To 0.157 %

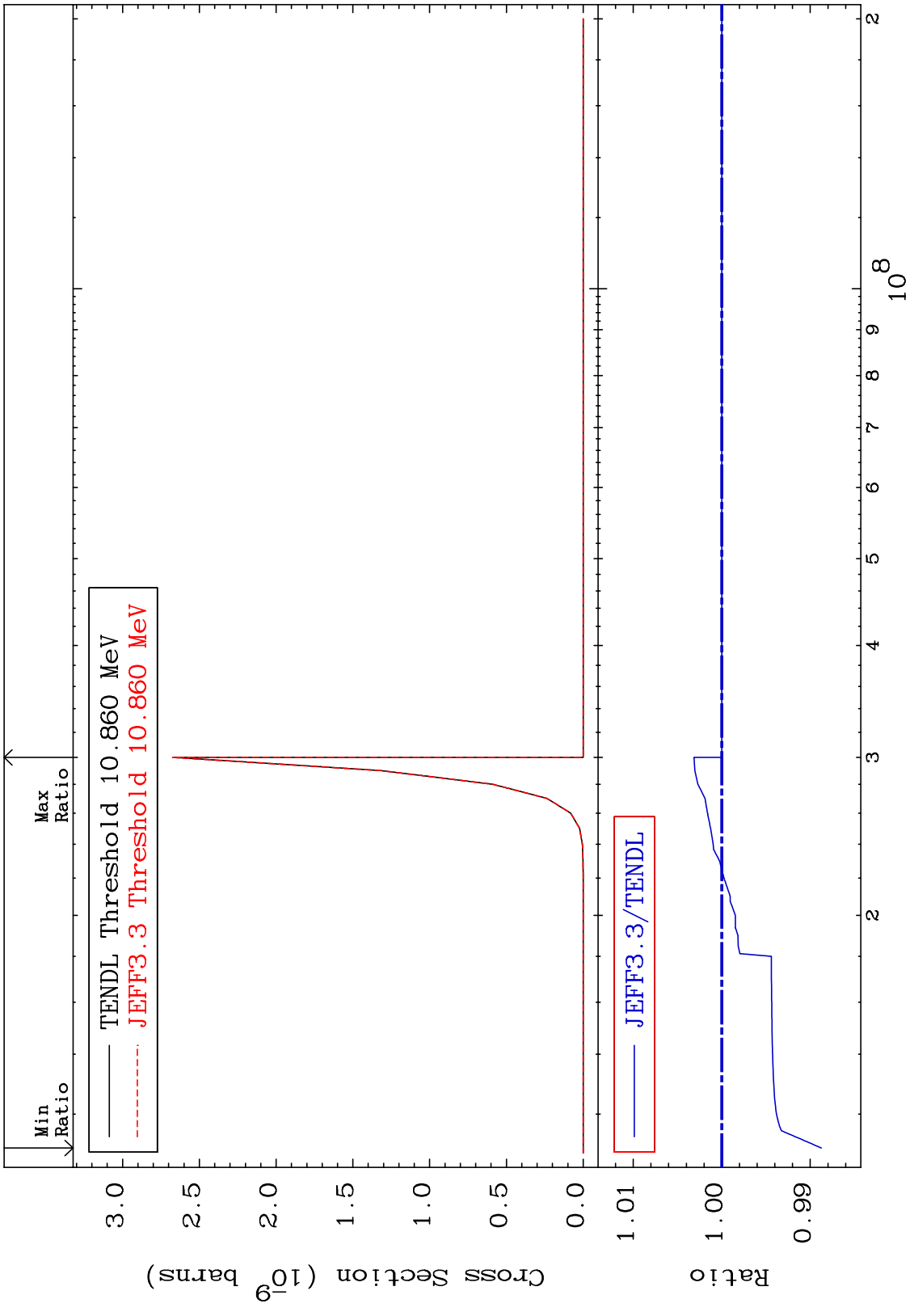


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MAT 7631 (n,2p):74-W -185m6 76-0s-186
 Radionuclide Production Cross Section -0.655 To 0.154 %



MAT 7631 (n,p) t:74-W -183g 76-0s-186
 Radionuclide Production Cross Section -1.126 To 0.315 %

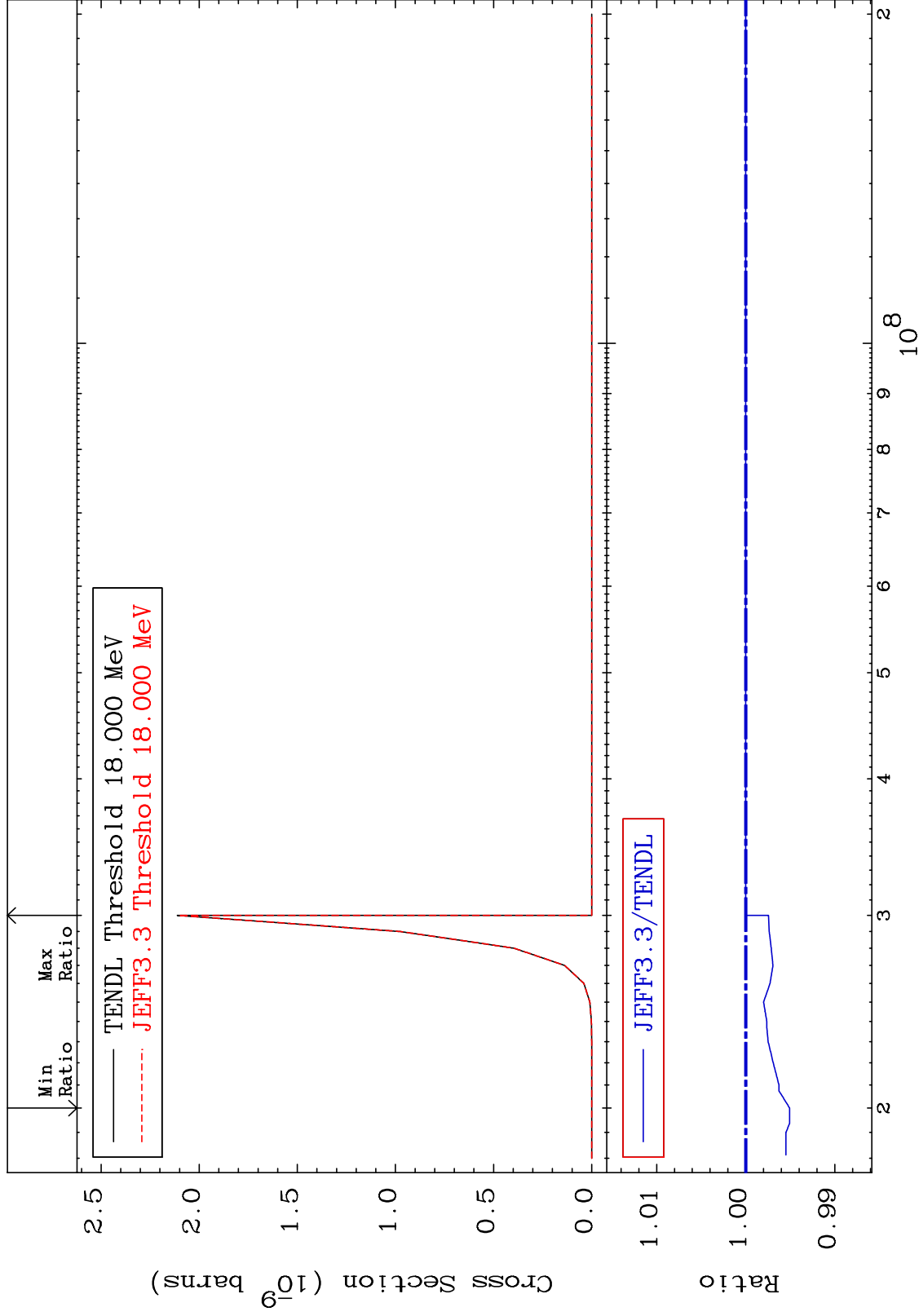


MAT 7631

(n,p) t:74-W -183m7

76-0s-186

Radionuclide Production Cross Section -0.492 To 0.000 %



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Incident Energy (eV)

76-0s-186