

Program Complot
(Version 2018-1)

by

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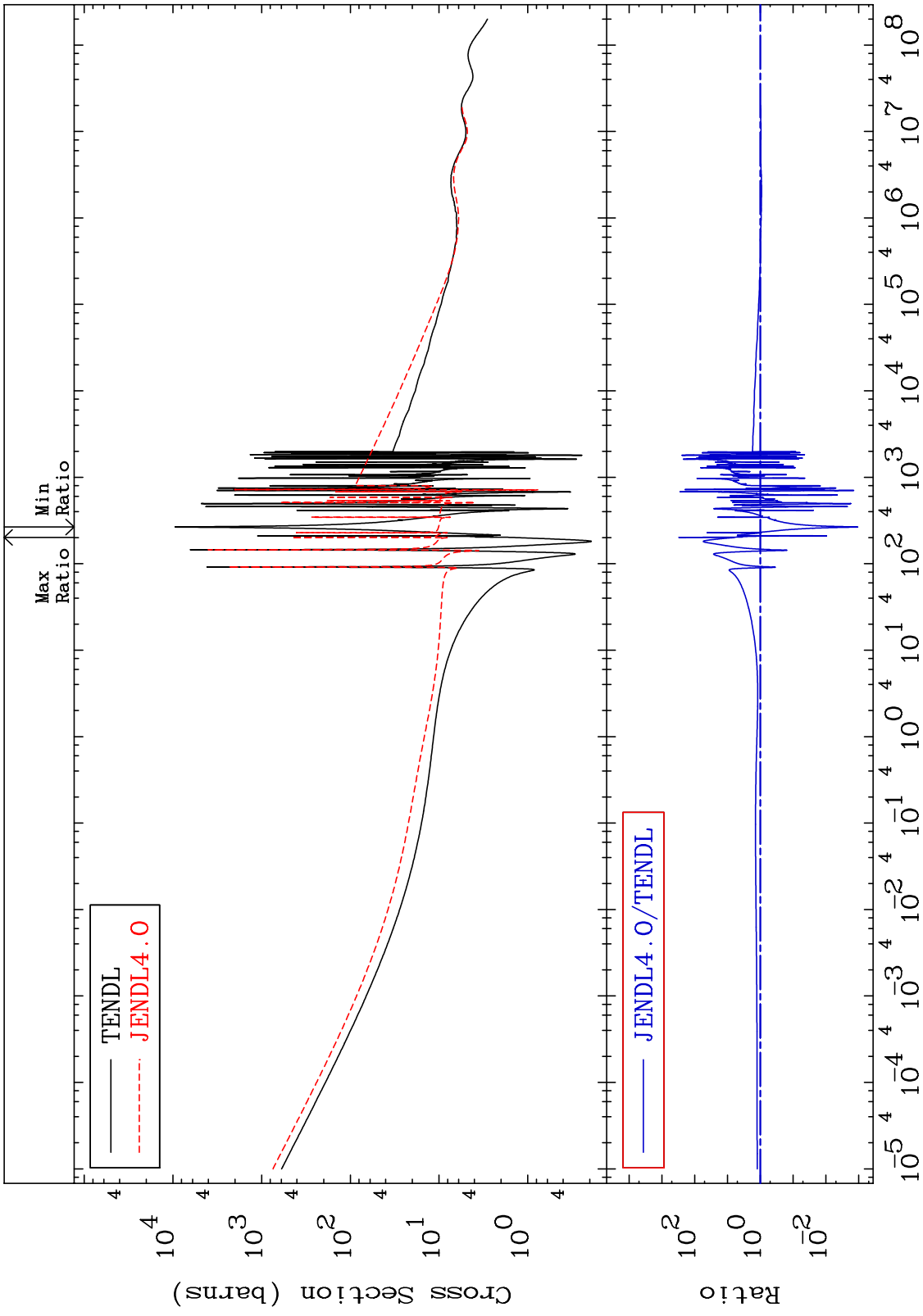
U.S.A.

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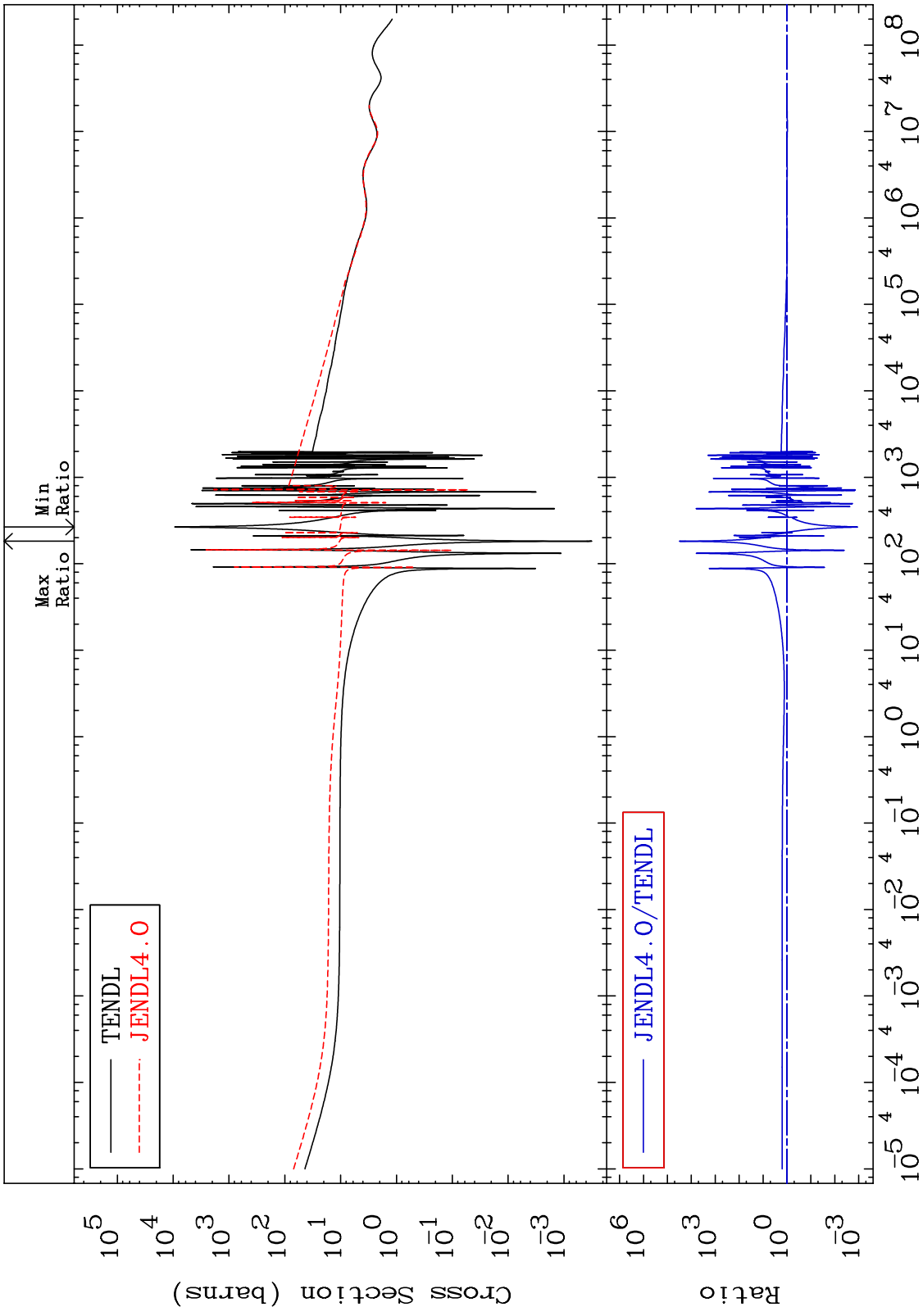
Press Mouse Button to Start

MAT 7643 Total Cross Section 76-0s-190
-99.89 To 9999. %



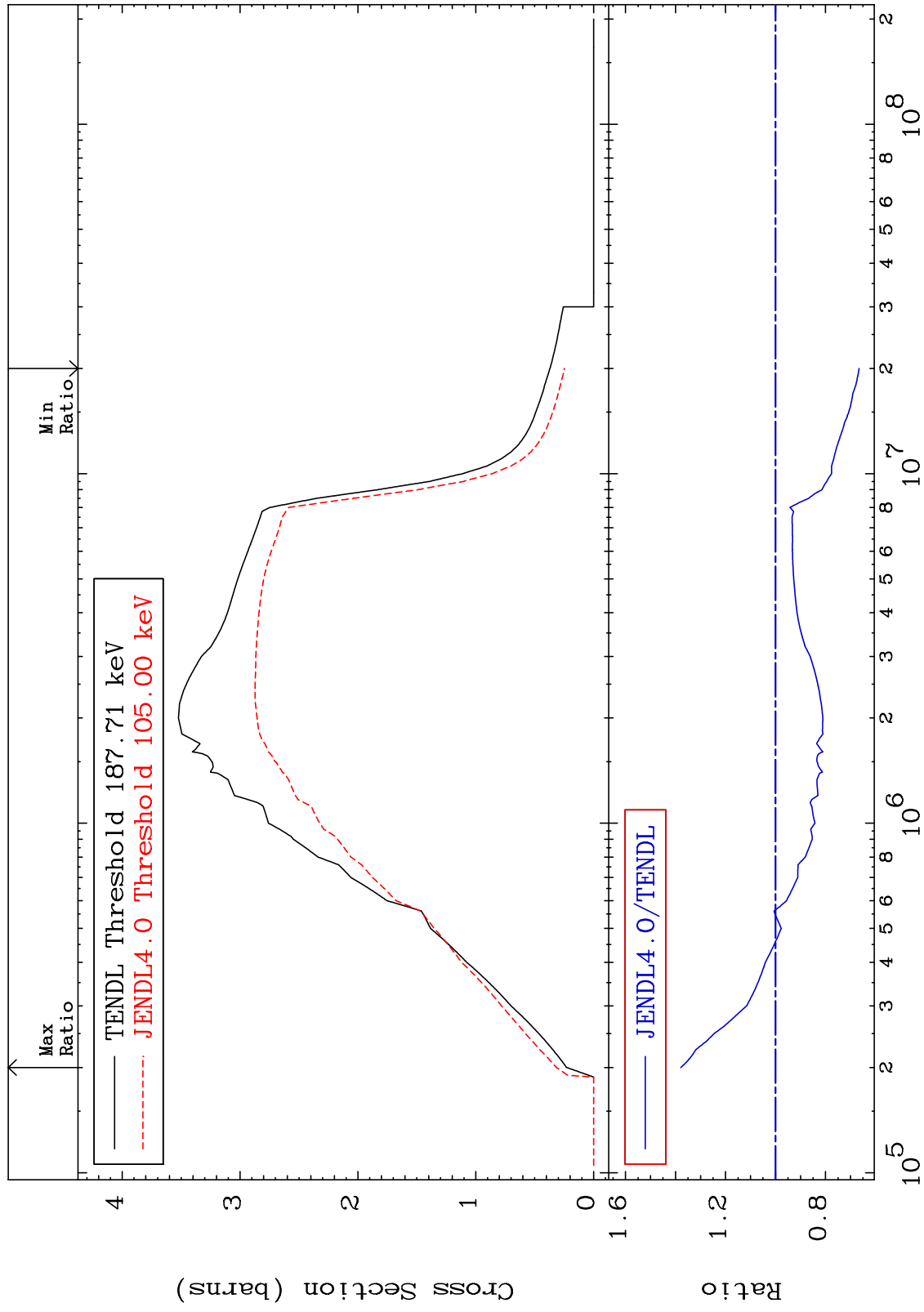
Ratio
Cross Section (barns)
Incident Energy (eV)
76-0s-190

MAT 7643 Elastic Cross Section 76-0s-190
 -99.89 To 9999. %



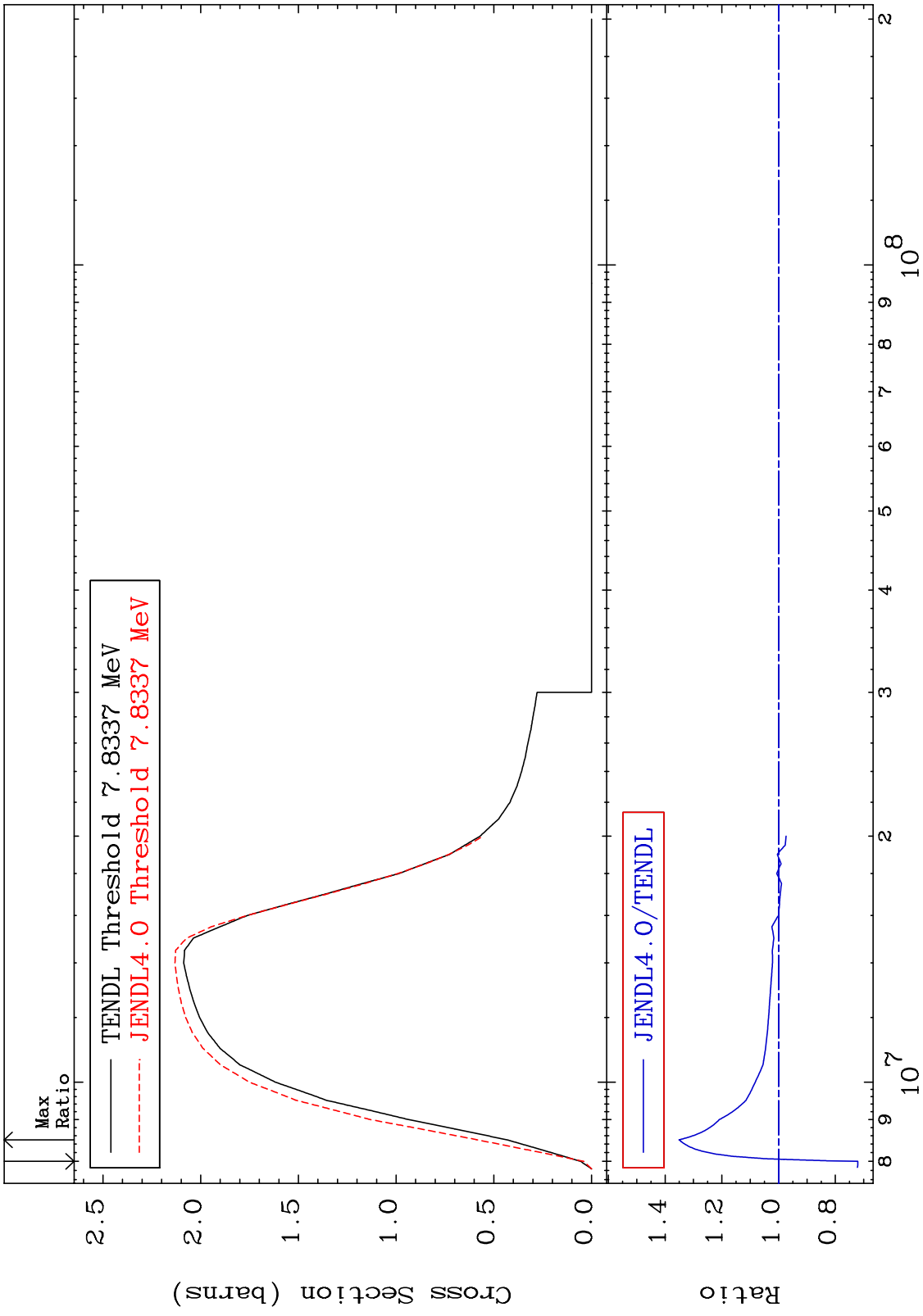
Incident Energy (eV) 76-0s-190

MAT 7643 Inelastic Cross Section 76-Os-190 -33.42 To 37.87 %

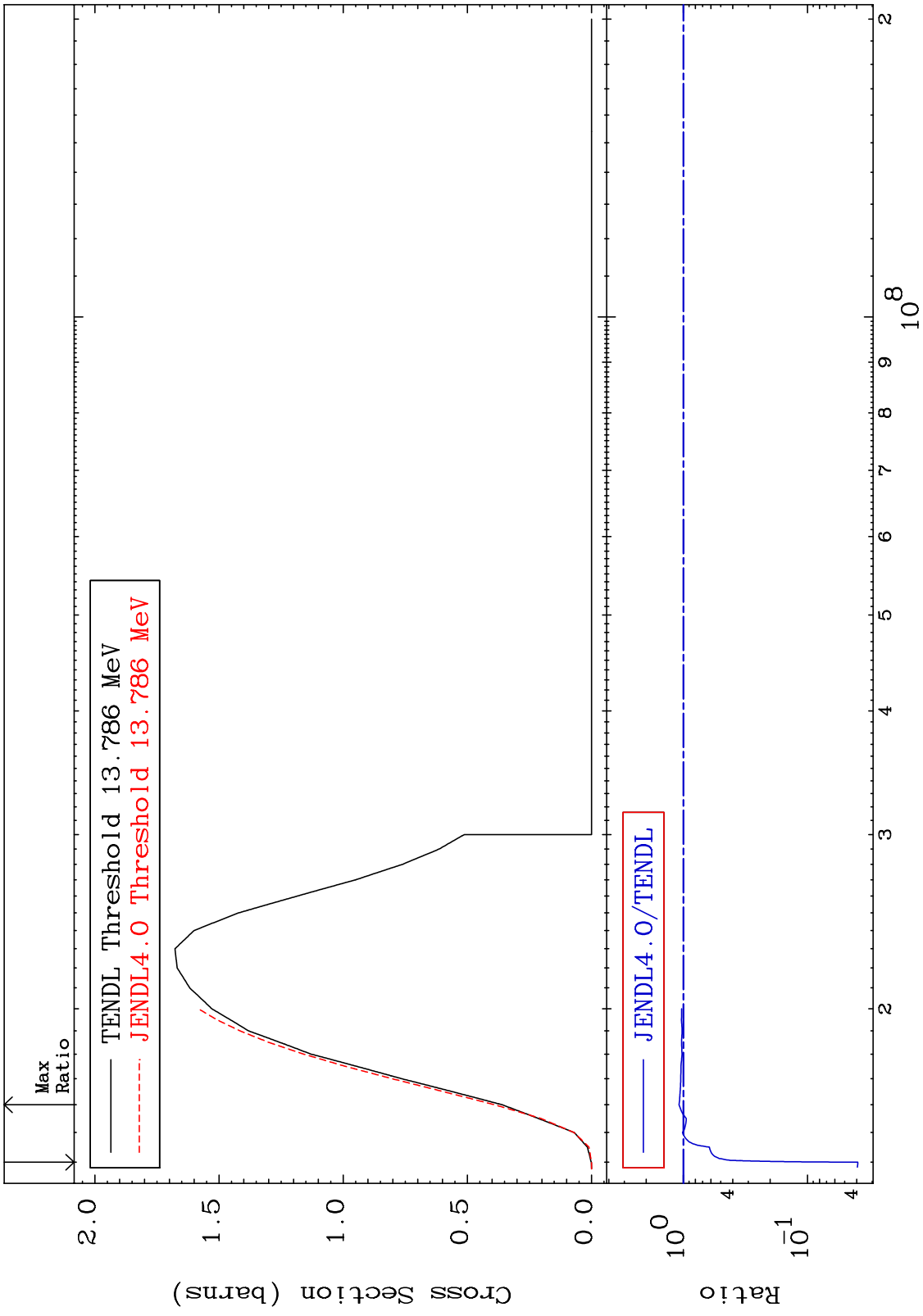


76-Os-190

MAT 7643 (n,2n) Cross Section 76-0s-190 -27.91 To 35.09 %



MAT 7643 (n,3n) Cross Section 76-0s-190
 -96.08 To 8.508 %



MAT 7643

(n, n') α

76-Os-190

-100.0 To 9999. %

Cross Section

Min Ratio

Max Ratio

— TENDL Threshold 1.9712 keV
- - - JENDL4.0 Threshold 1.1214 MeV

Cross Section (milli-barns)

— JENDL4.0/TENDL

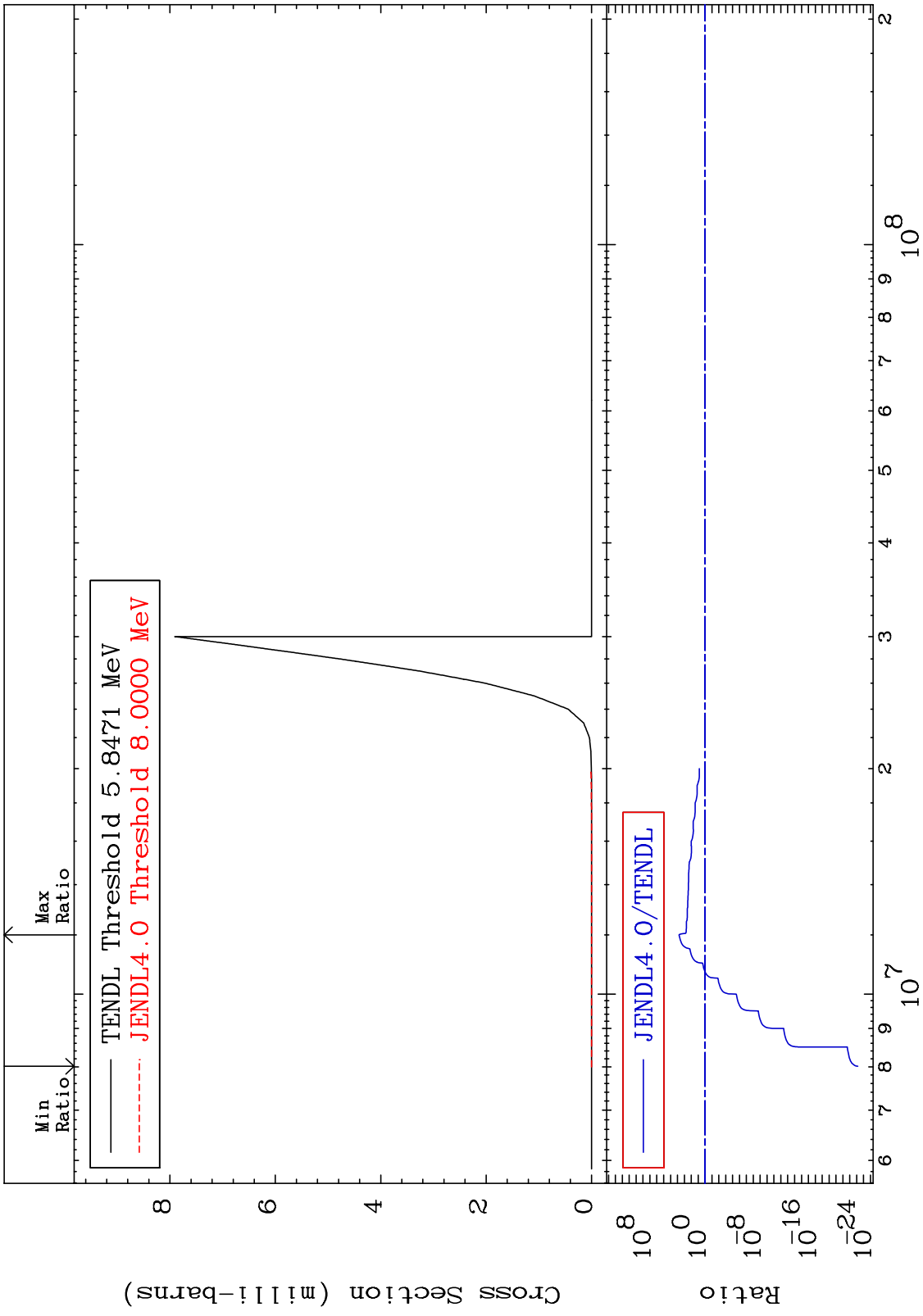
Ratio

Incident Energy (eV)

6

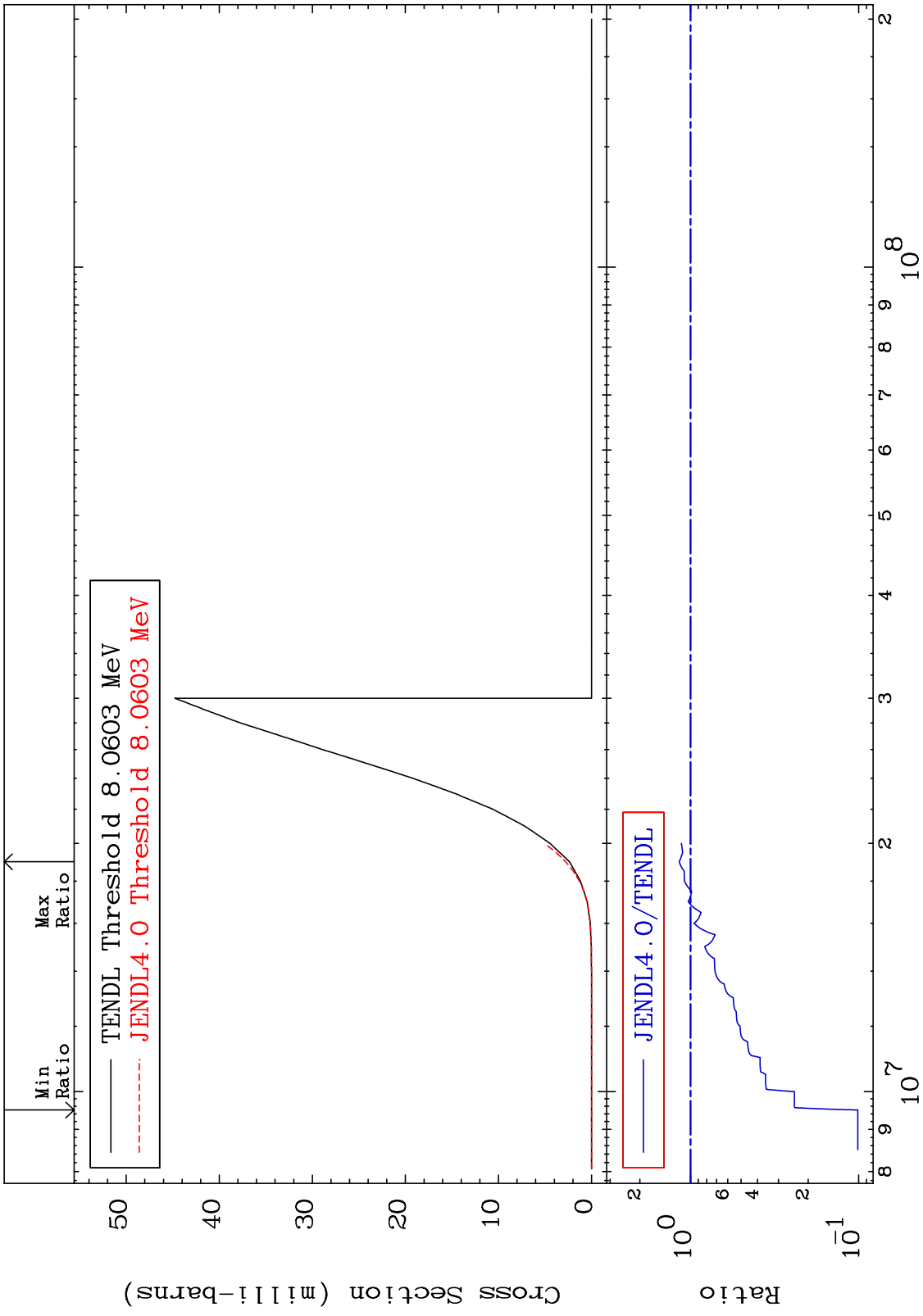
76-Os-190

MAT 7643 $(n, 2n) \alpha$ 76-0s-190
 Cross Section -100.0 To 9999. %



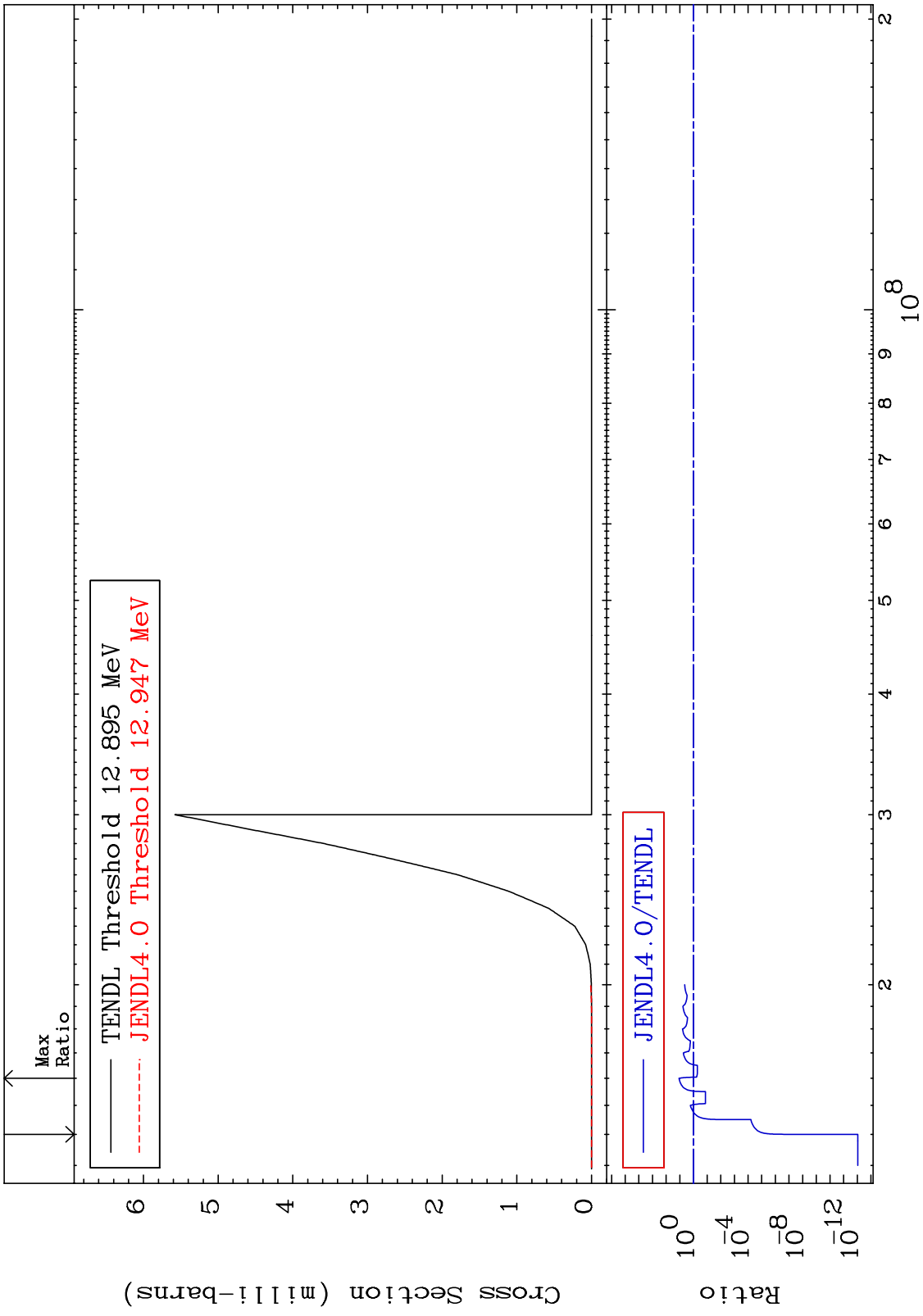
7 76-0s-190

MAT 7643 (n,n') p 76-0s-190
 Cross Section -89.88 To 16.96 %

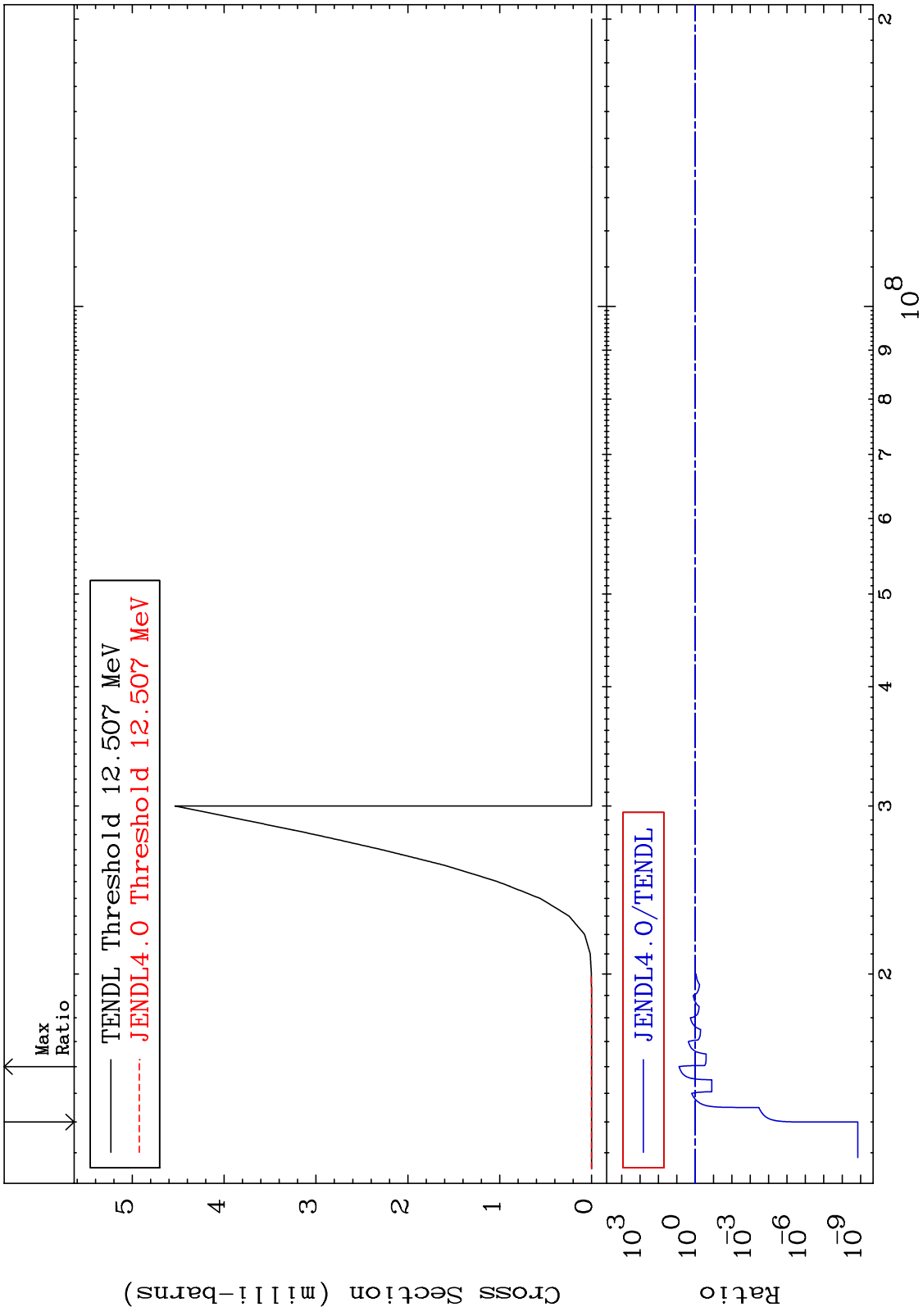


Incident Energy (eV) 76-0s-190

MAT 7643 (n,n') d 76-0s-190
 Cross Section -100.0 To 1035. %

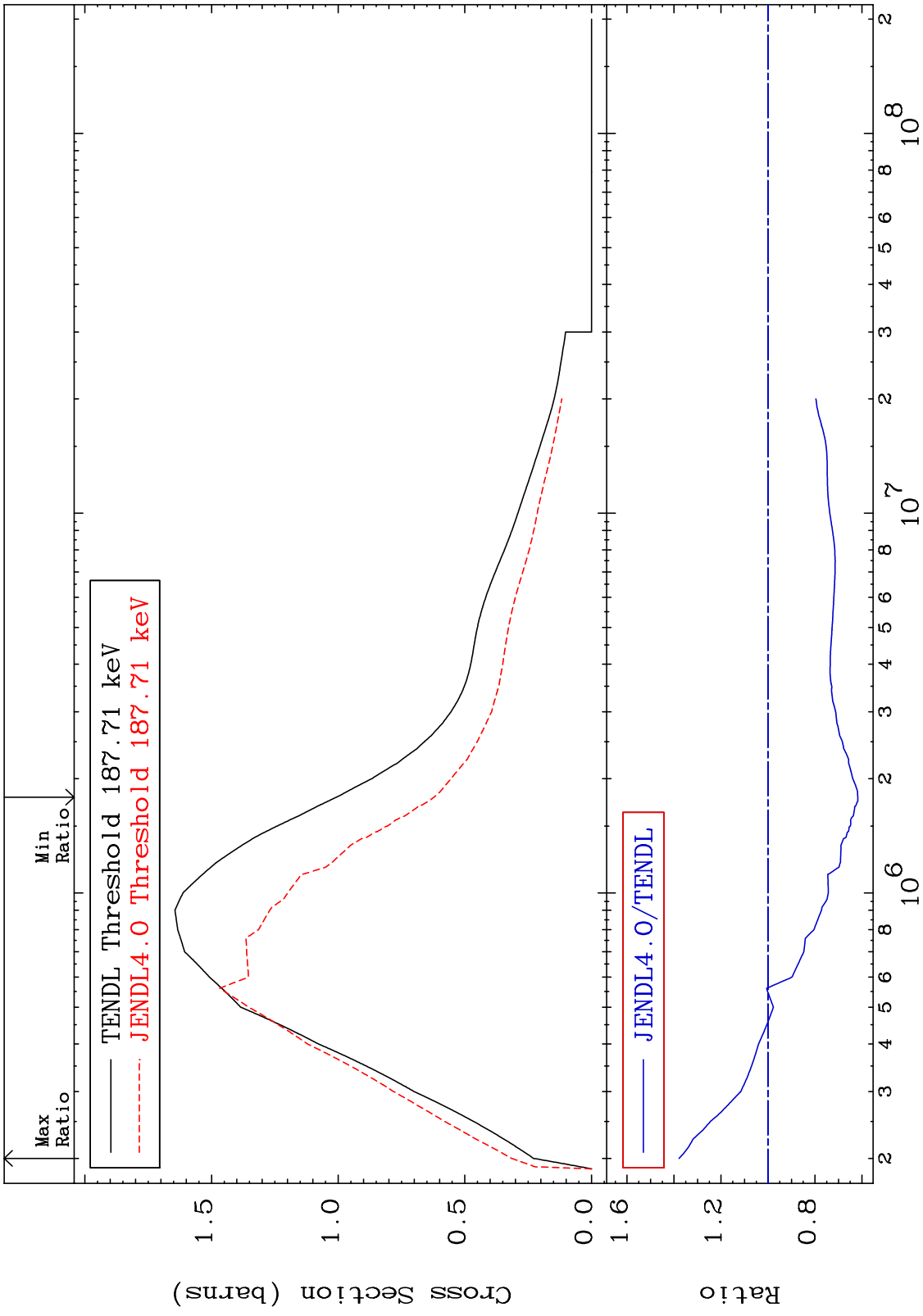


MAT 7643 (n,n') t 76-0s-190
 Cross Section -100.0 To 656.8 %

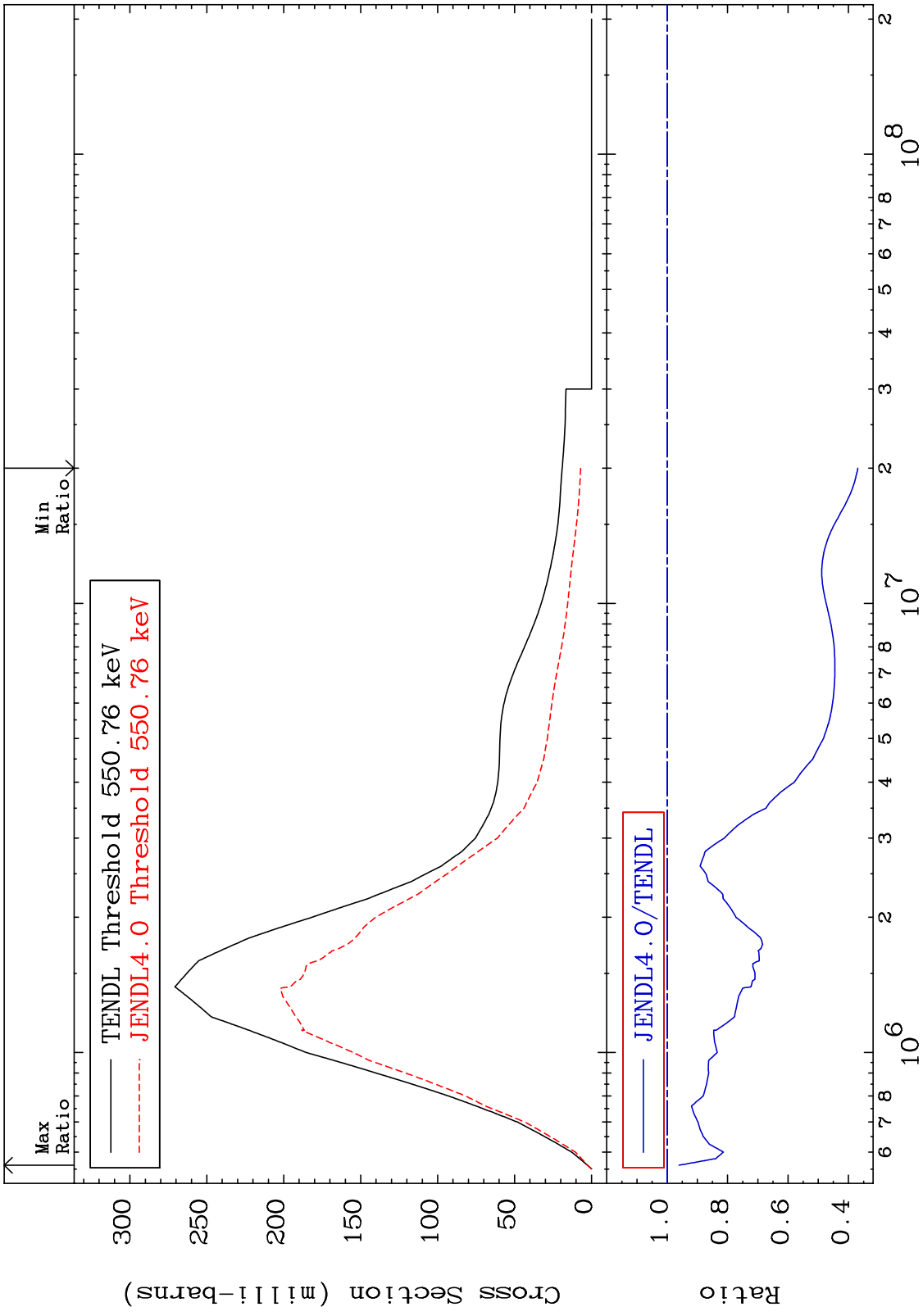


10 Incident Energy (eV) 76-0s-190

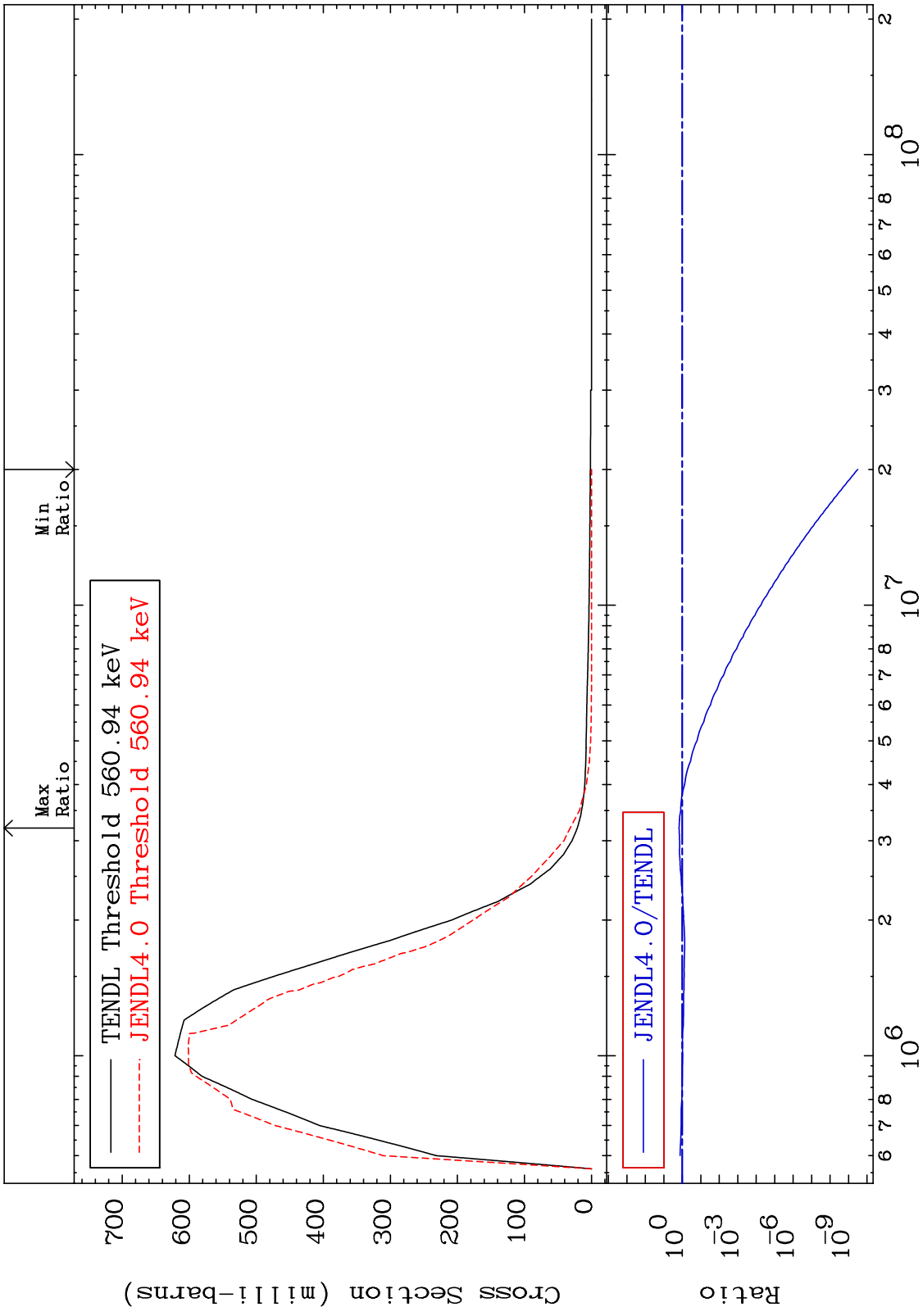
MAT 7643 MT= 51 (n,n') Level 76-Os-190
 Cross Section -38.24 To 37.86 %



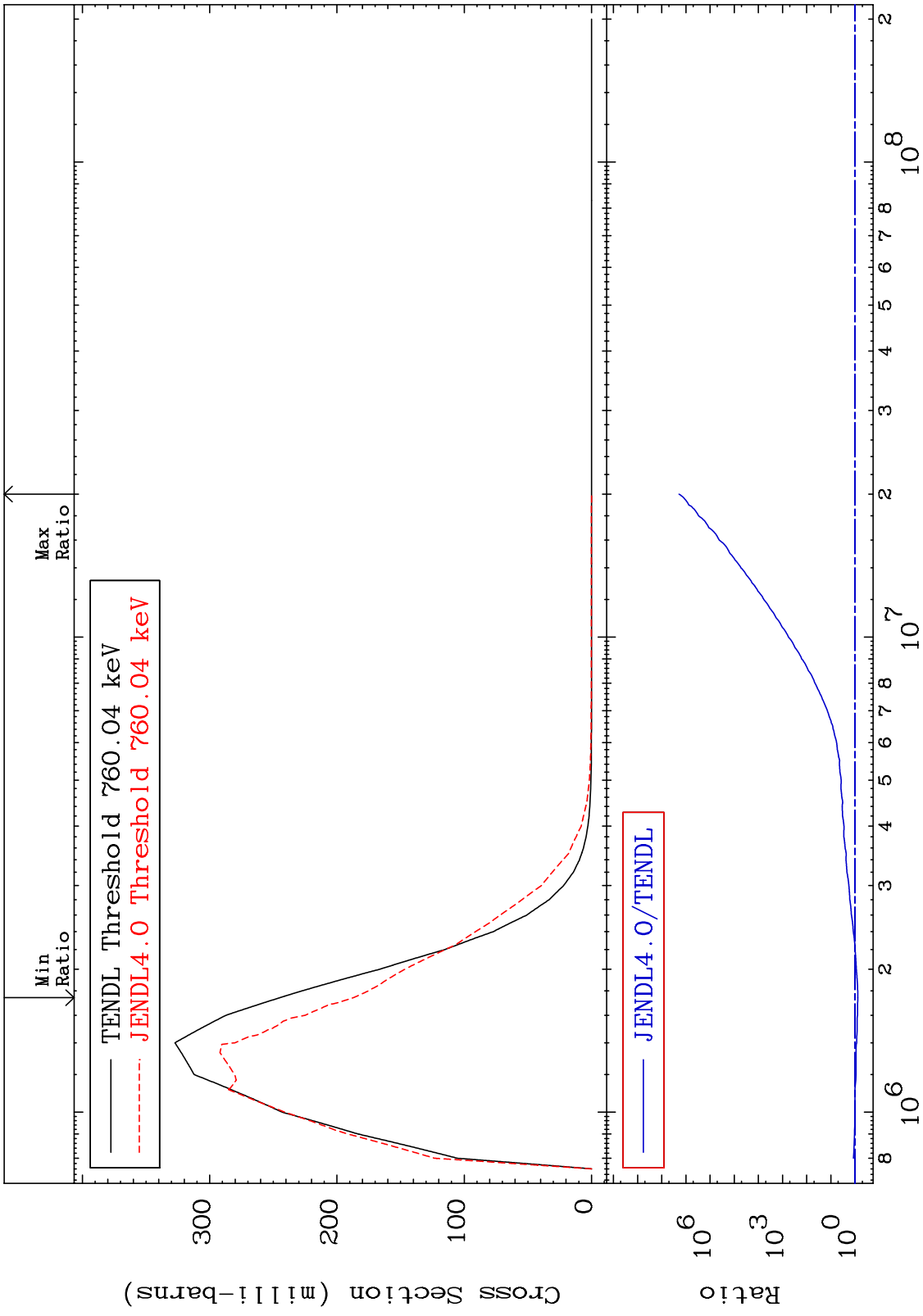
MAT 7643 MT= 52 (n,n') Level Cross Section 76-0s-190
 -63.10 To -3.936%



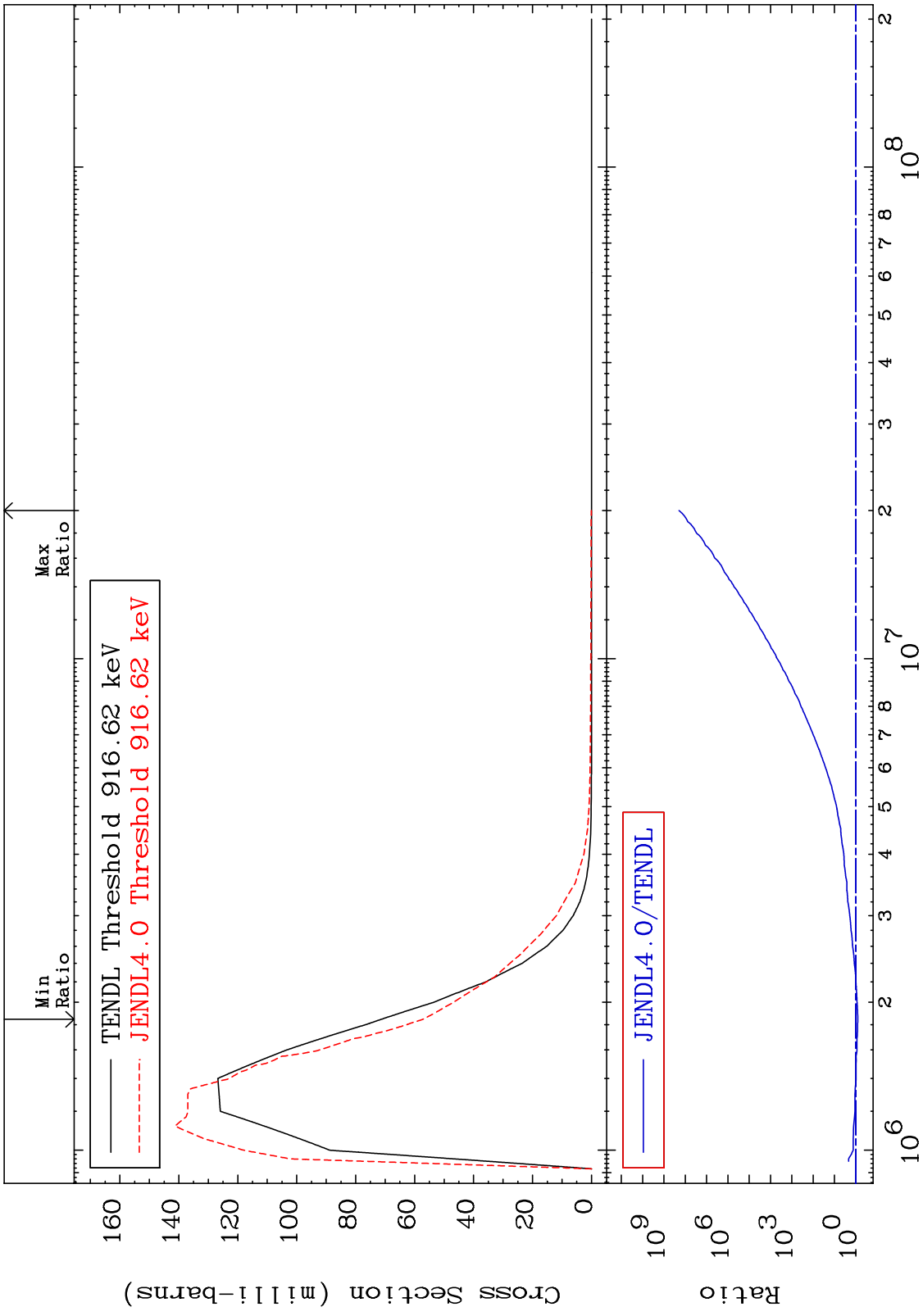
MAT 7643 MT= 53 (n,n') Level Cross Section 76-0s-190
 -100.0 To 50.80 %



MAT 7643 MT= 54 (n,n') Level Cross Section 76-Os-190
 -23.62 To 9999. %

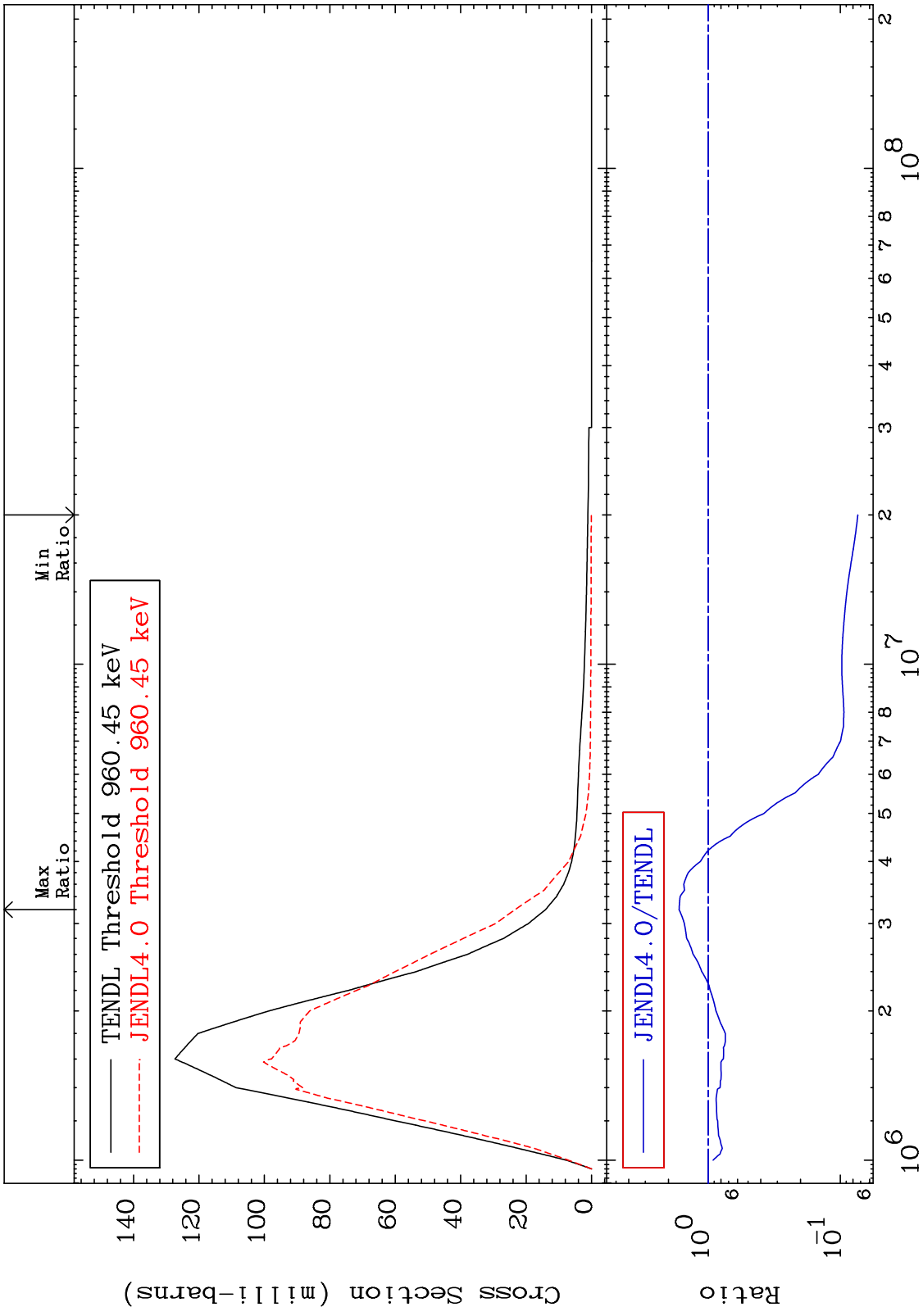


MAT 7643 MT= 55 (n,n') Level Cross Section 76-Os-190
-19.78 To 9999. %



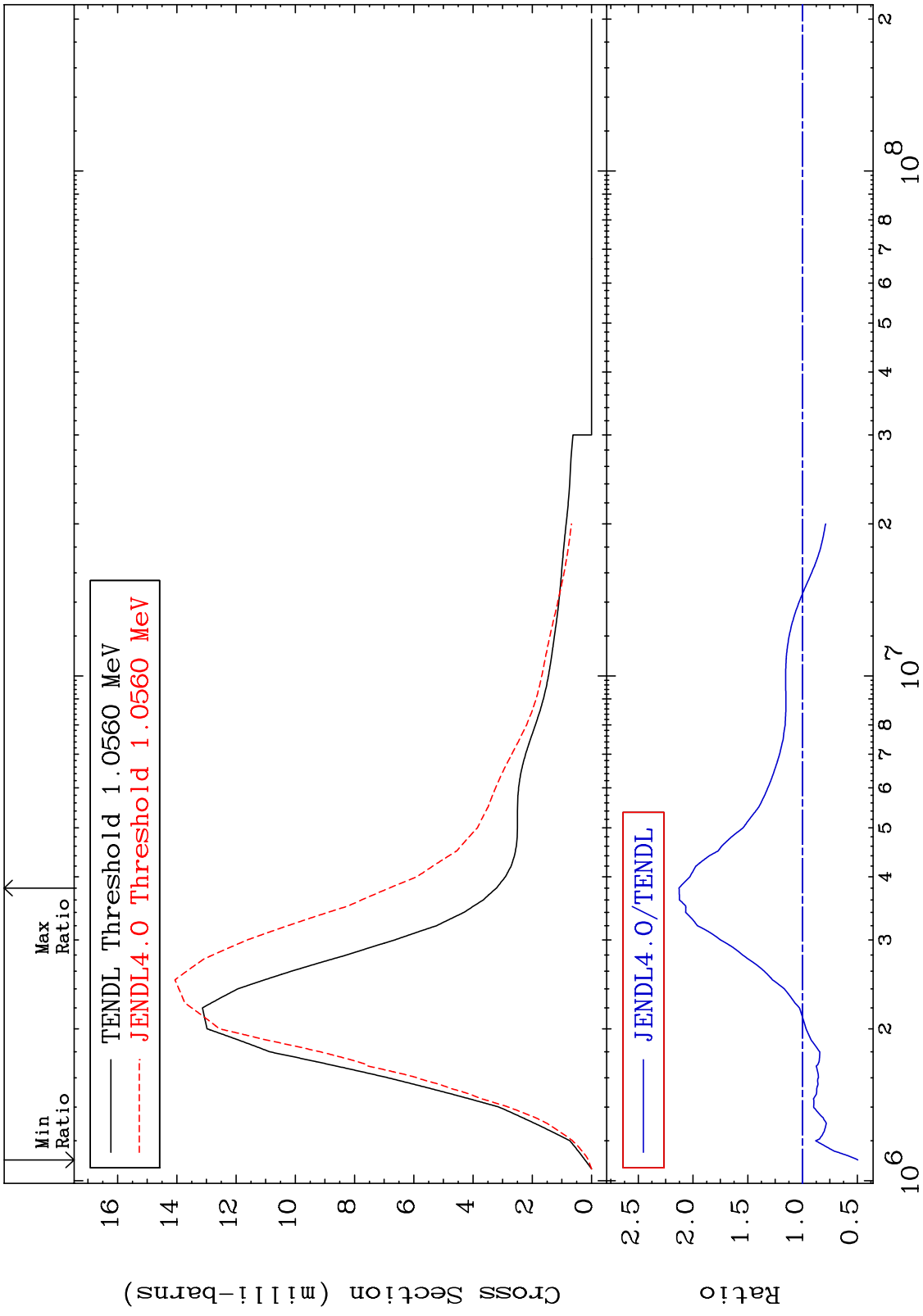
15 Incident Energy (eV) 76-Os-190

MAT 7643 MT= 56 (n,n') Level Cross Section 76-Os-190
 -92.65 To 66.36 %



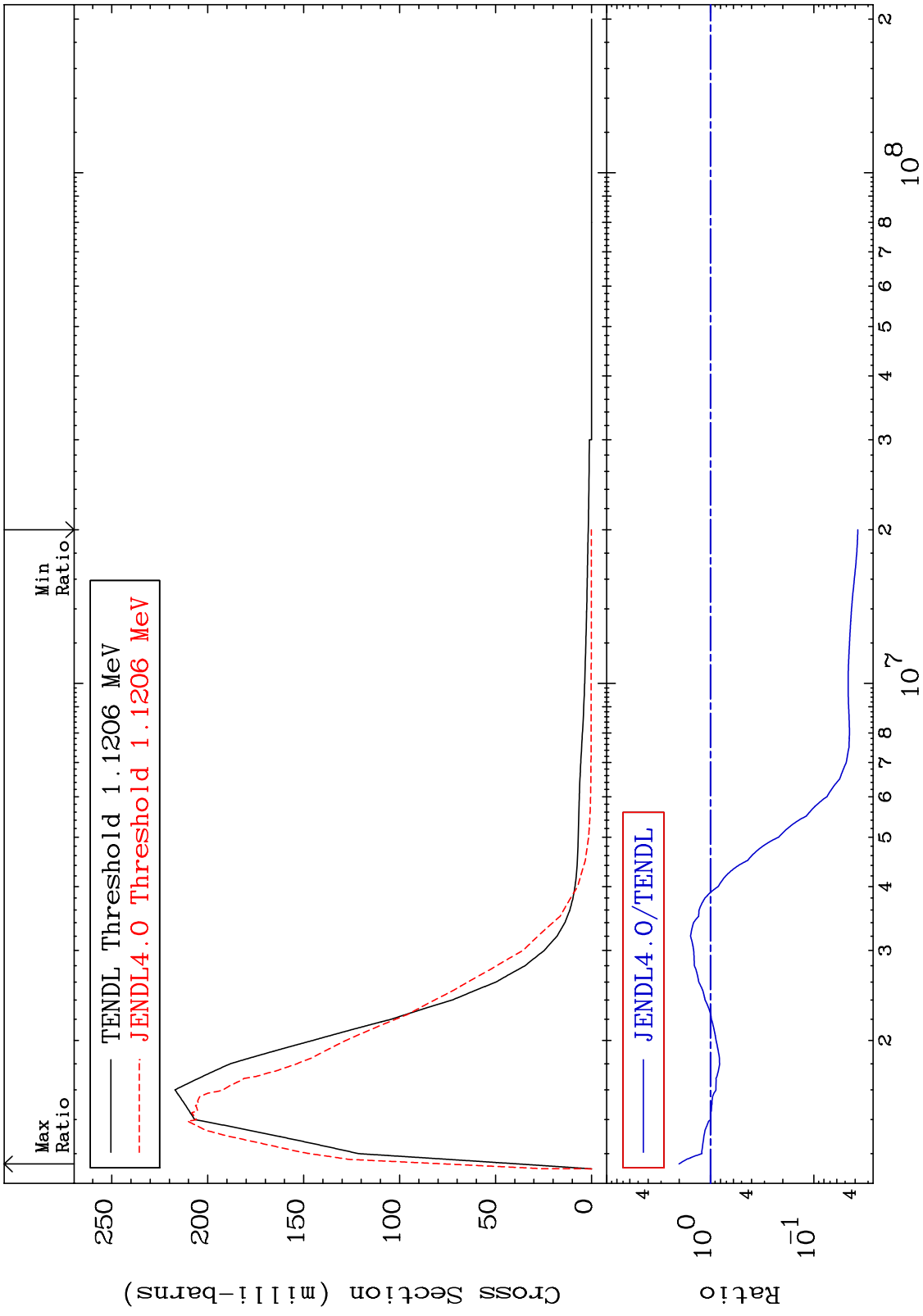
16 Incident Energy (eV) 76-Os-190

MAT 7643 MT= 57 (n,n') Level Cross Section 76-0s-190
 -50.50 To 112.7 %

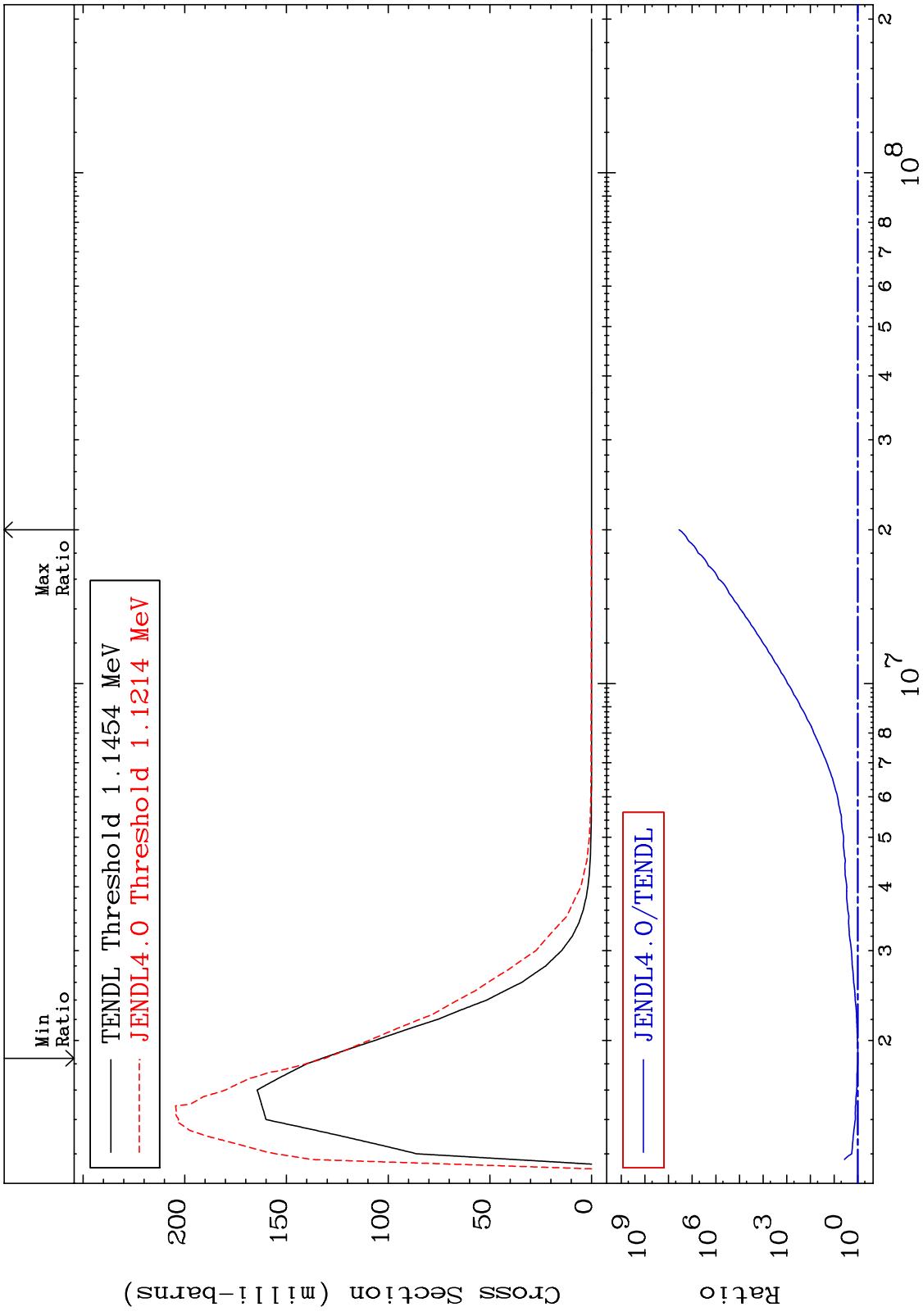


17 76-0s-190

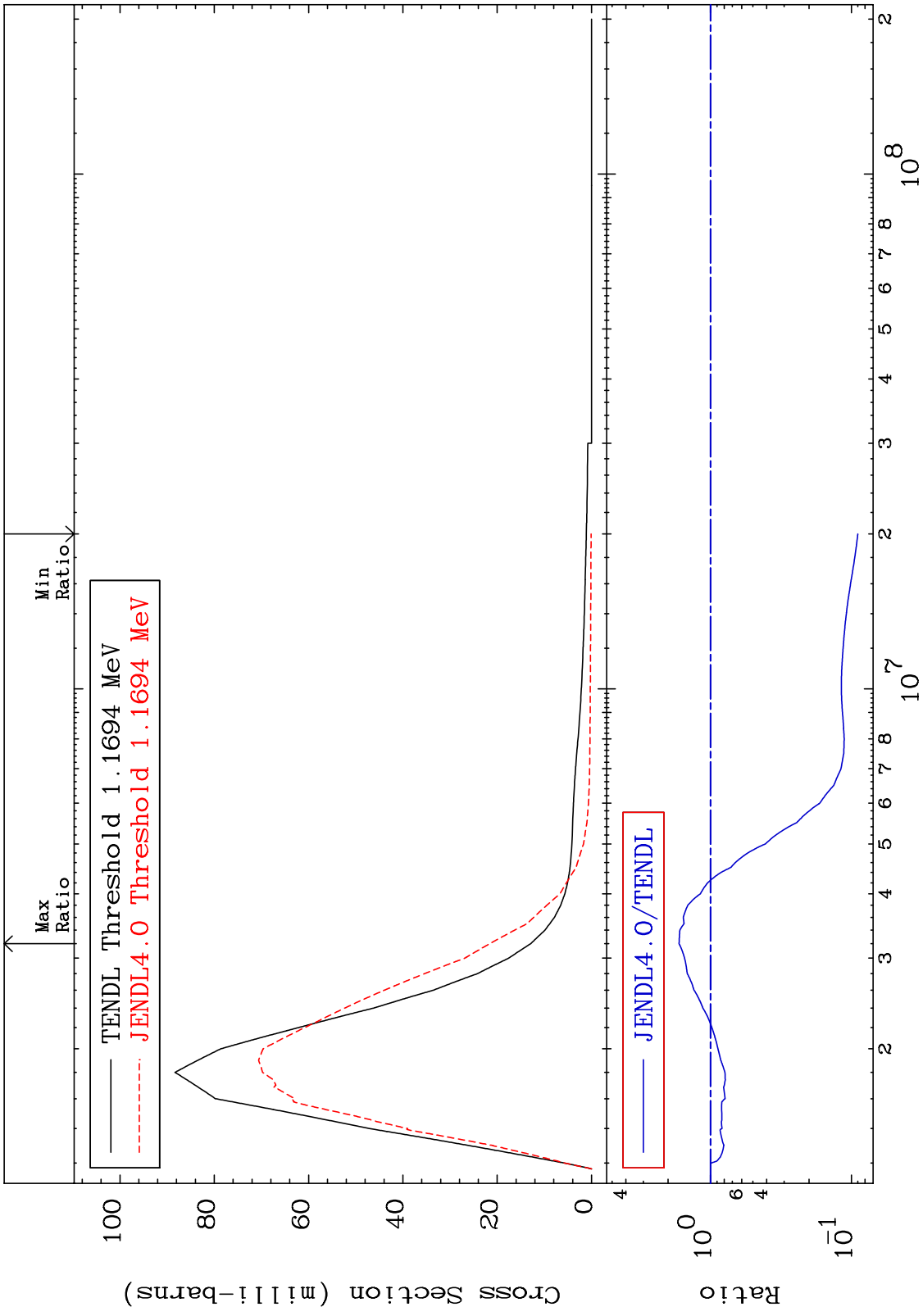
MAT 7643 MT= 58 (n,n') Level Cross Section 76-0s-190
 -96.24 To 100.9 %



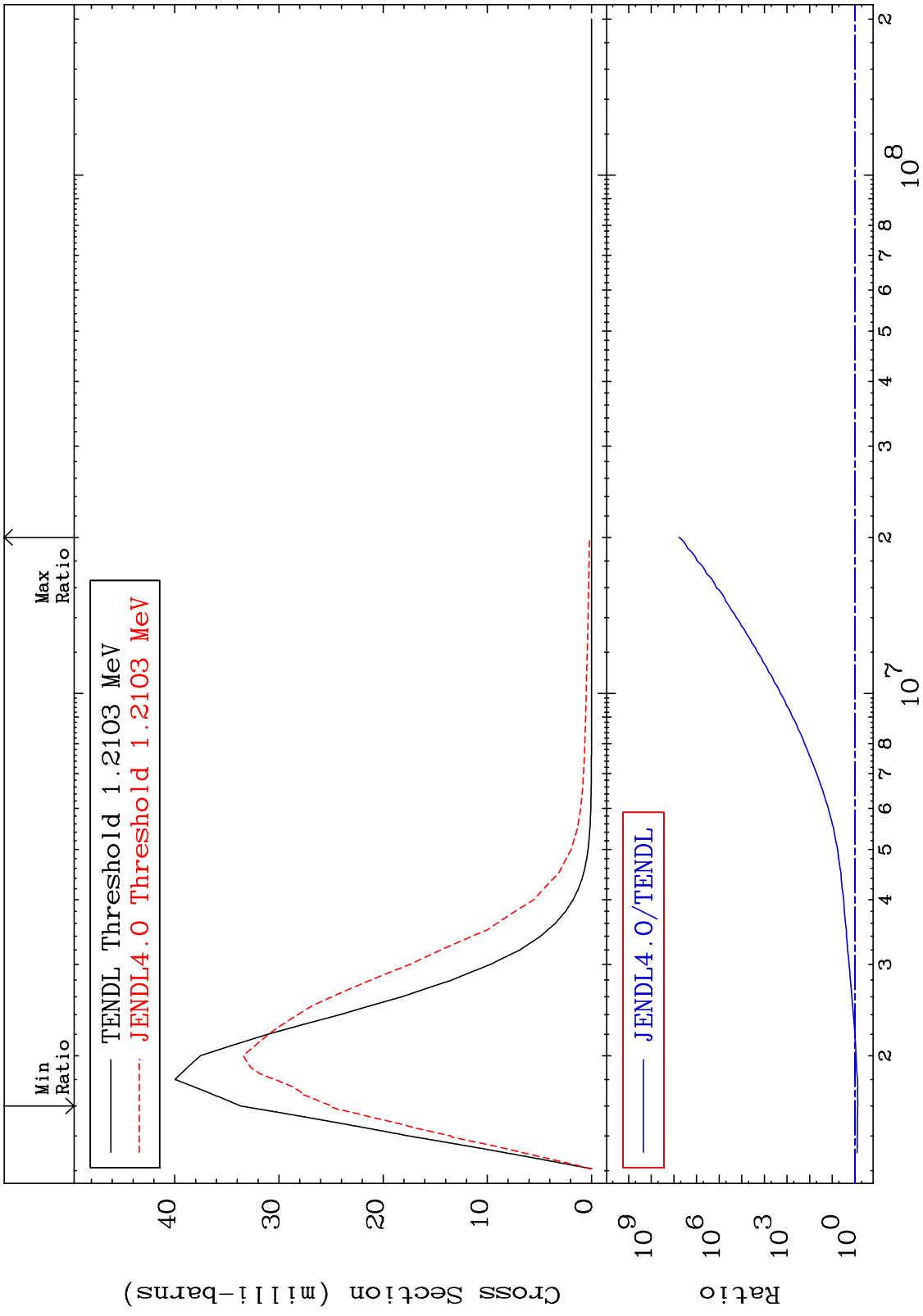
MAT 7643 MT= 59 (n,n') Level Cross Section 76-Os-190
 -0.985 To 9999. %



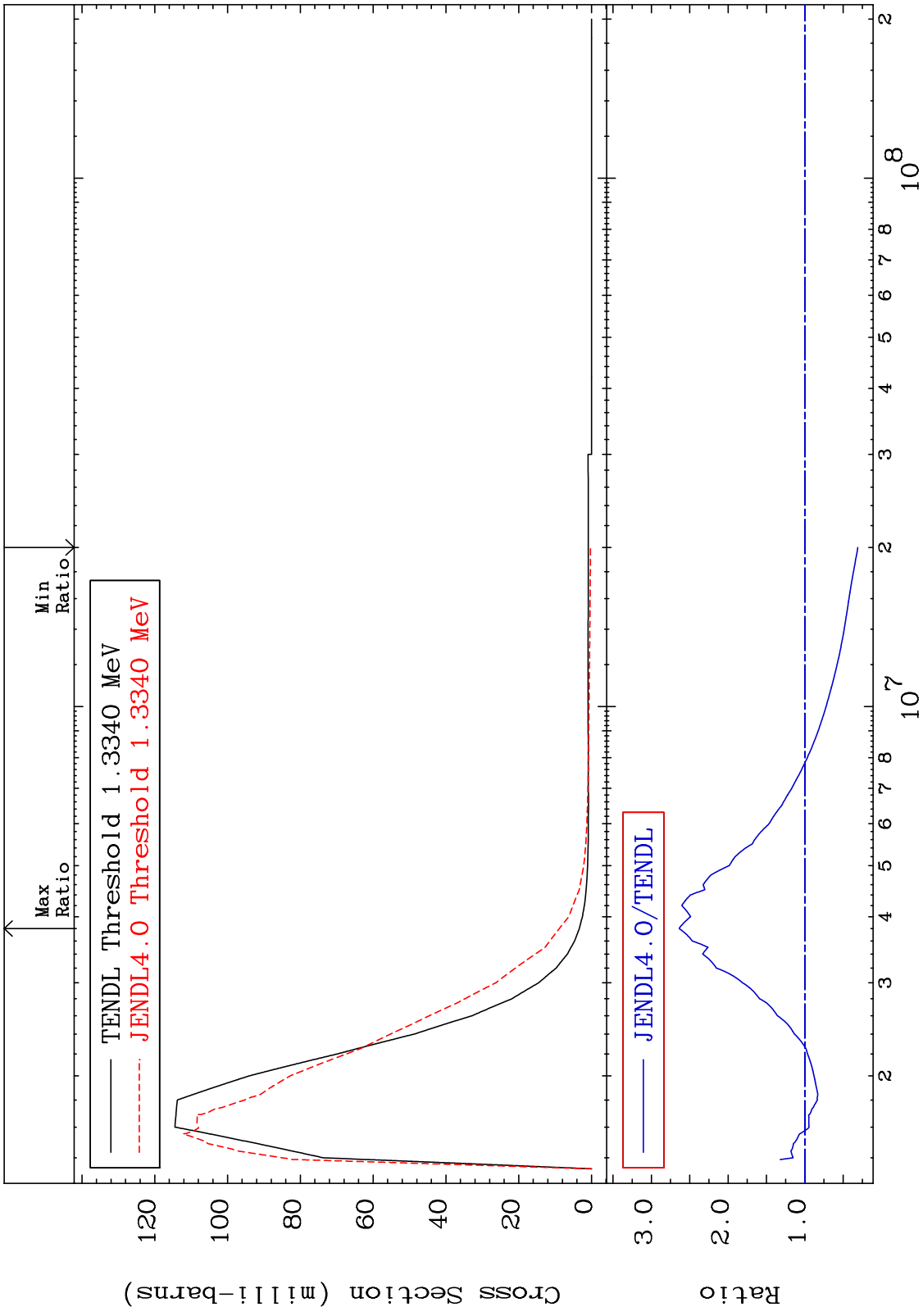
MAT 7643 MT= 60 (n,n') Level Cross Section 76-0s-190
 -91.01 To 67.36 %



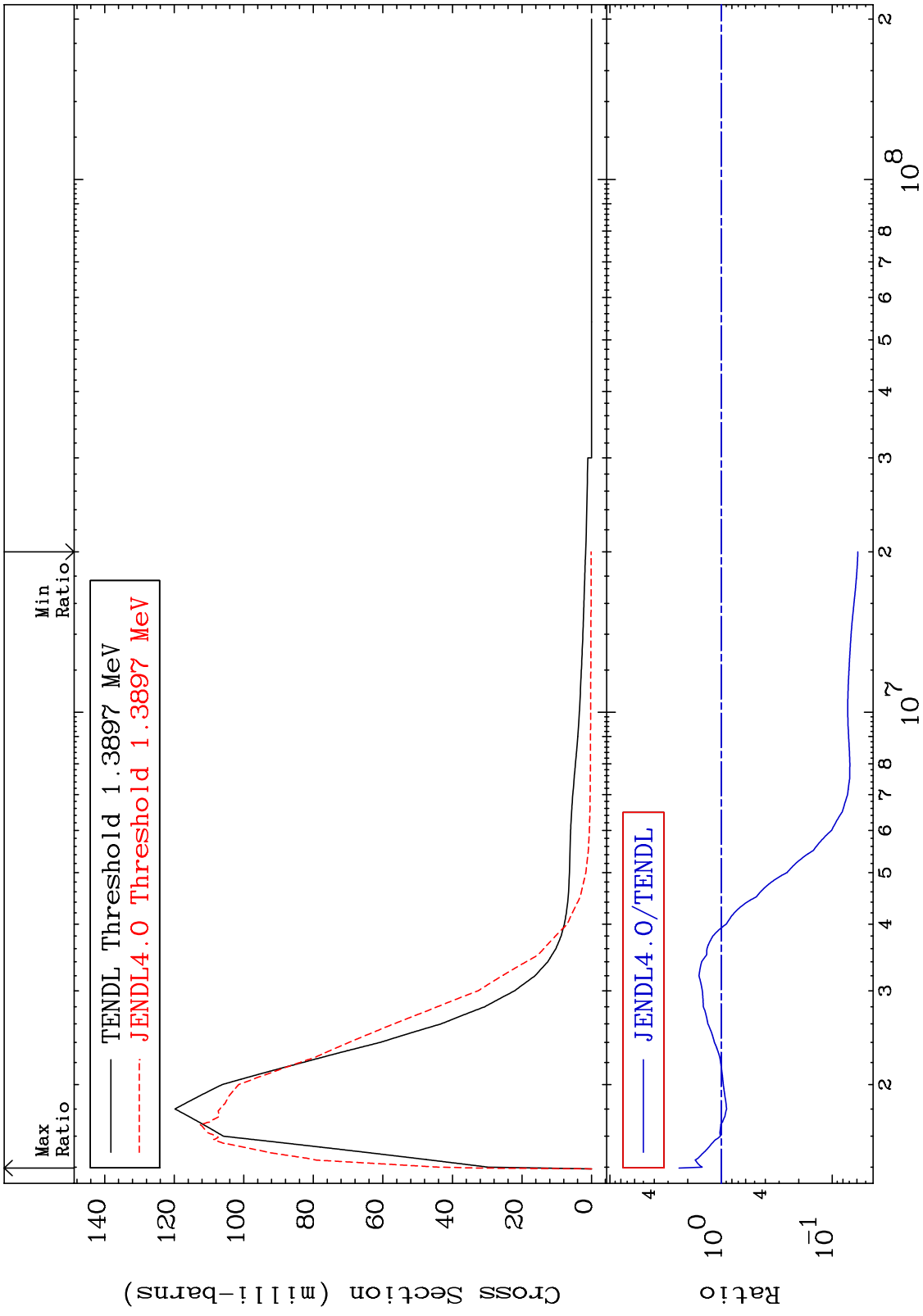
MAT 7643 MT= 61 (n,n') Level Cross Section 76-0s-190
 -25.96 To 9999. %



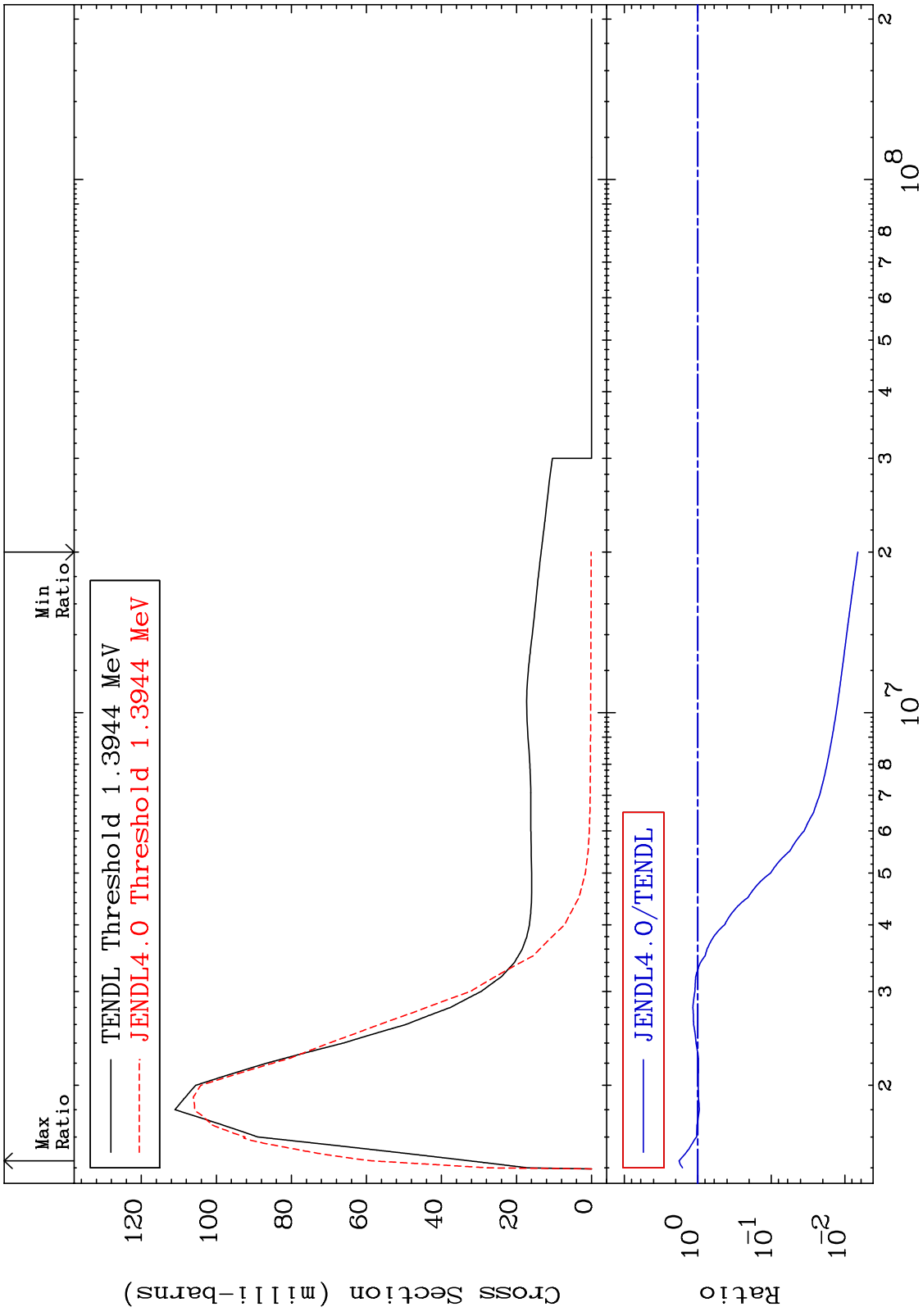
MAT 7643 MT= 62 (n,n') Level Cross Section 76-0s-190
 -69.13 To 163.9 %



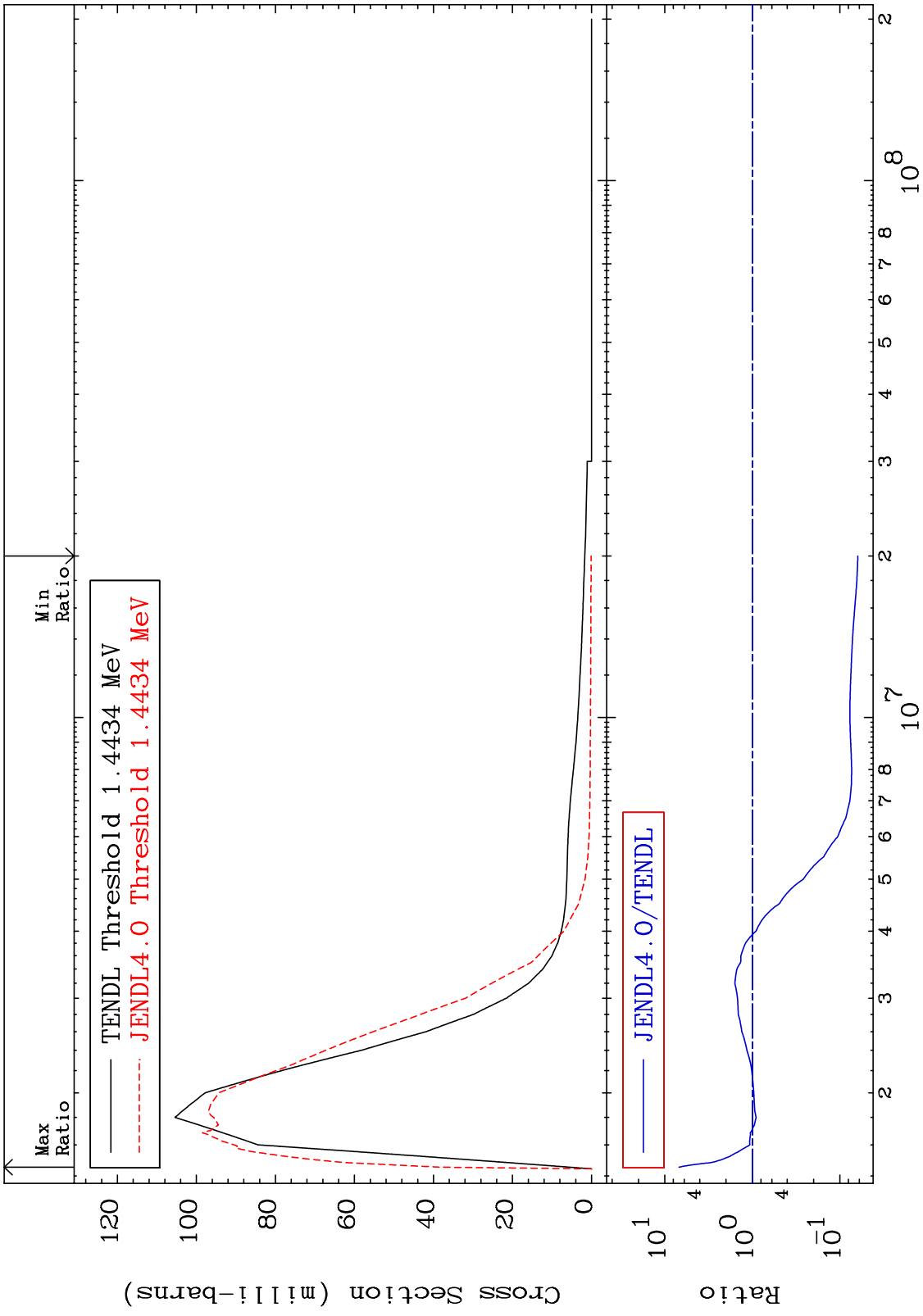
MAT 7643 MT= 63 (n,n') Level Cross Section 76-0s-190
 -94.13 To 139.0 %



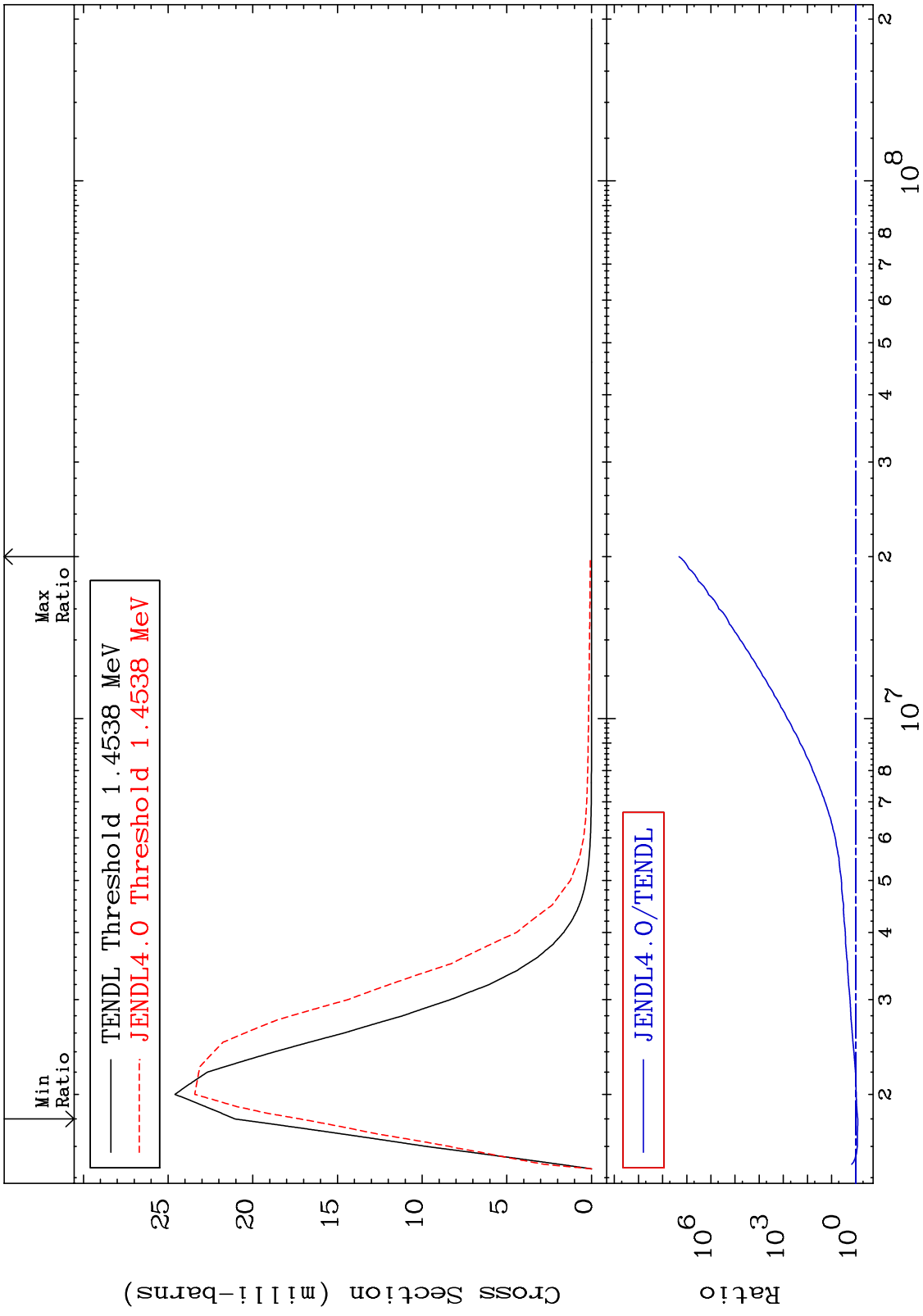
MAT 7643 MT= 64 (n,n') Level Cross Section 76-0s-190
 -99.33 To 80.06 %



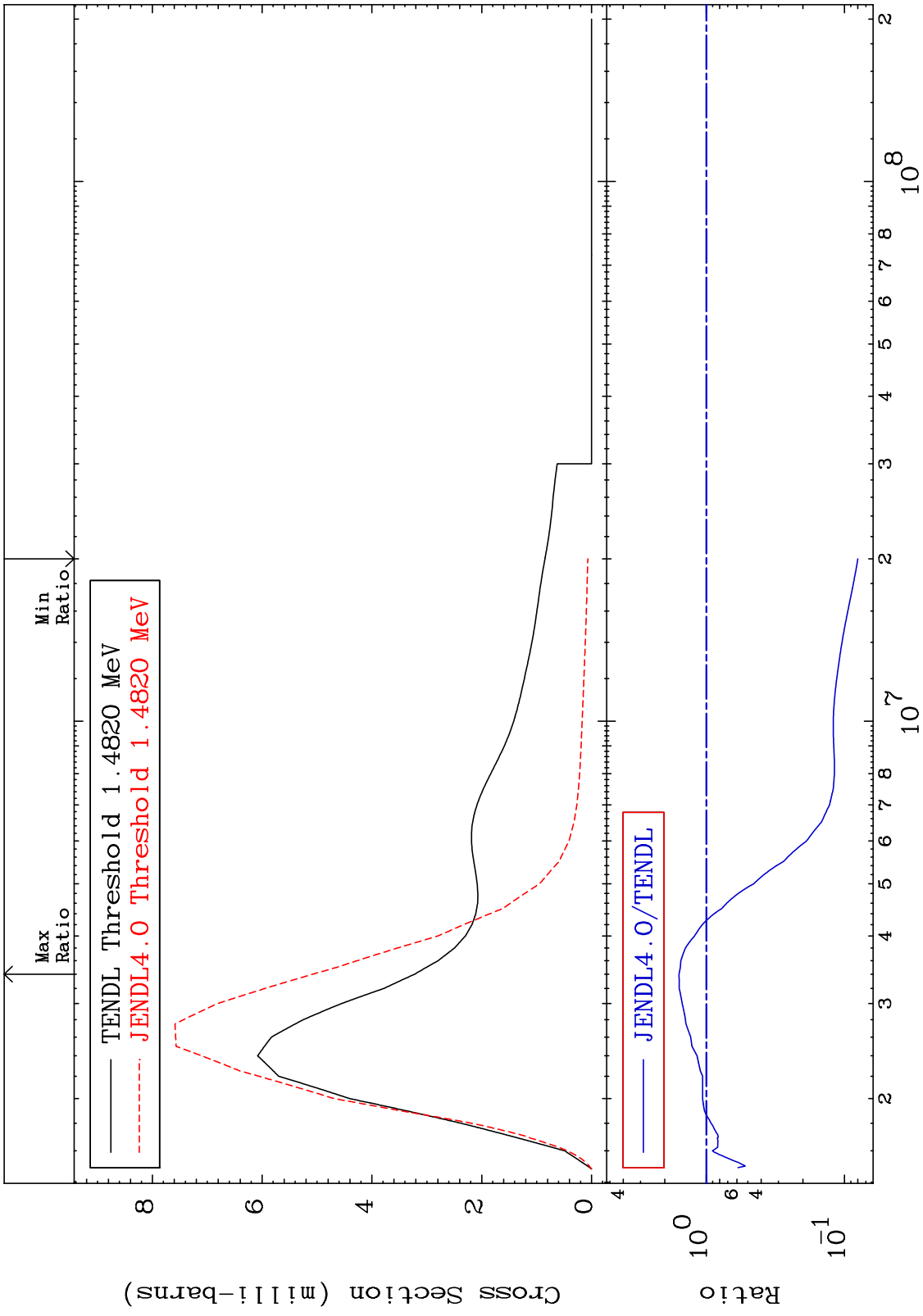
MAT 7643 MT= 65 (n,n') Level Cross Section 76-Os-190
 -93.75 To 588.1 %



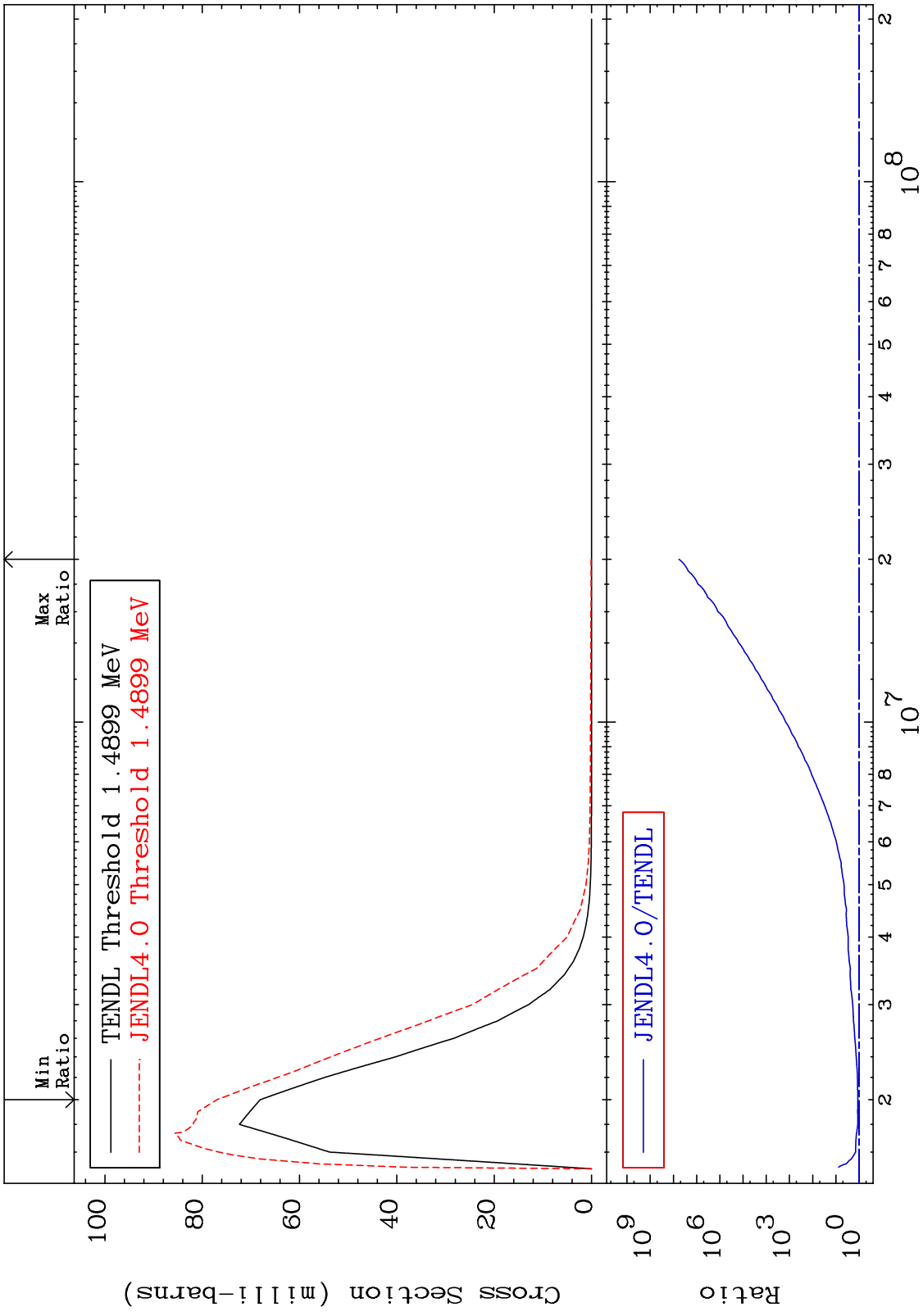
MAT 7643 MT= 66 (n,n') Level Cross Section 76-0s-190
 -18.28 To 9999. %



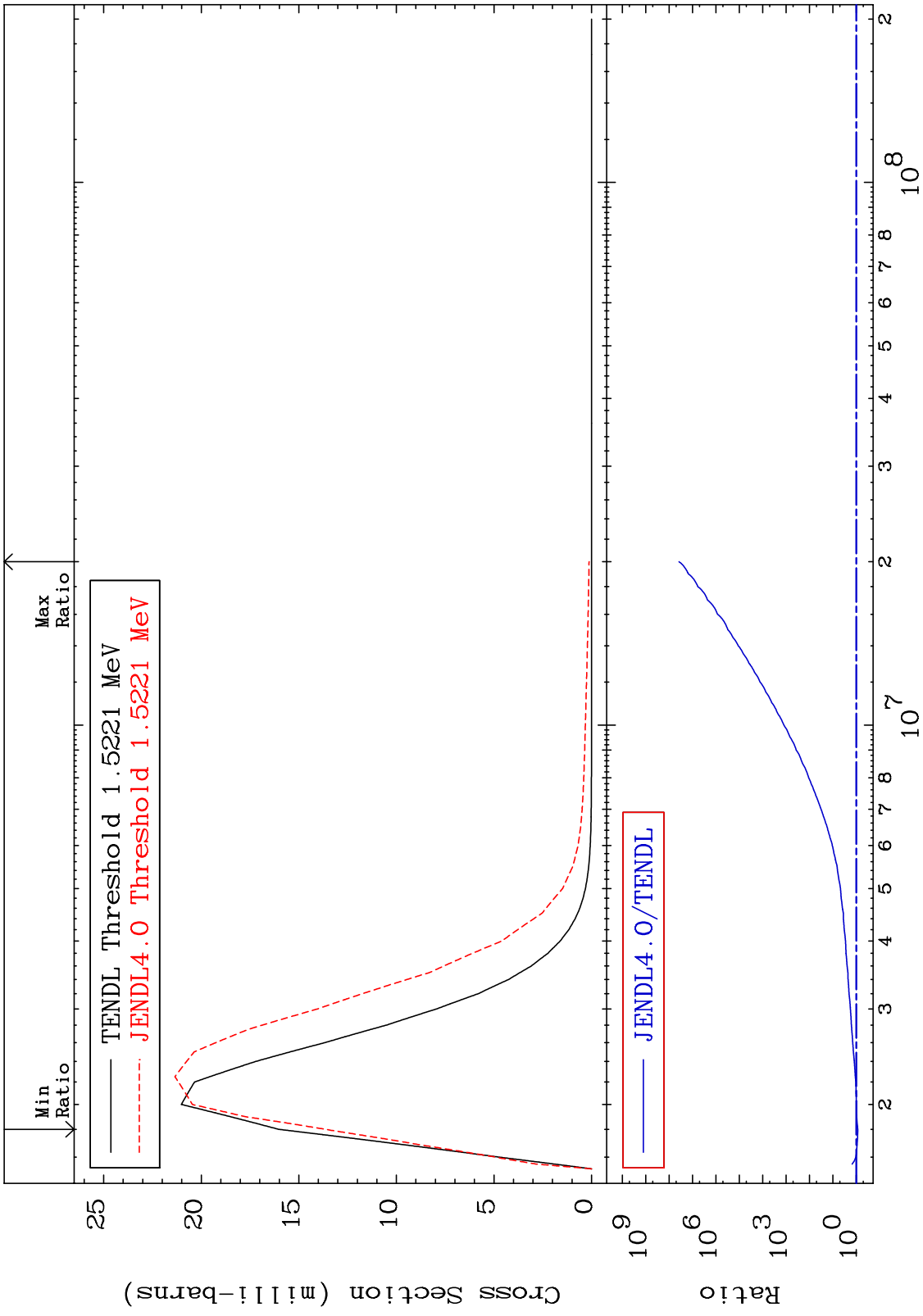
MAT 7643 MT= 67 (n,n') Level Cross Section 76-0s-190
 -92.01 To 57.60 %



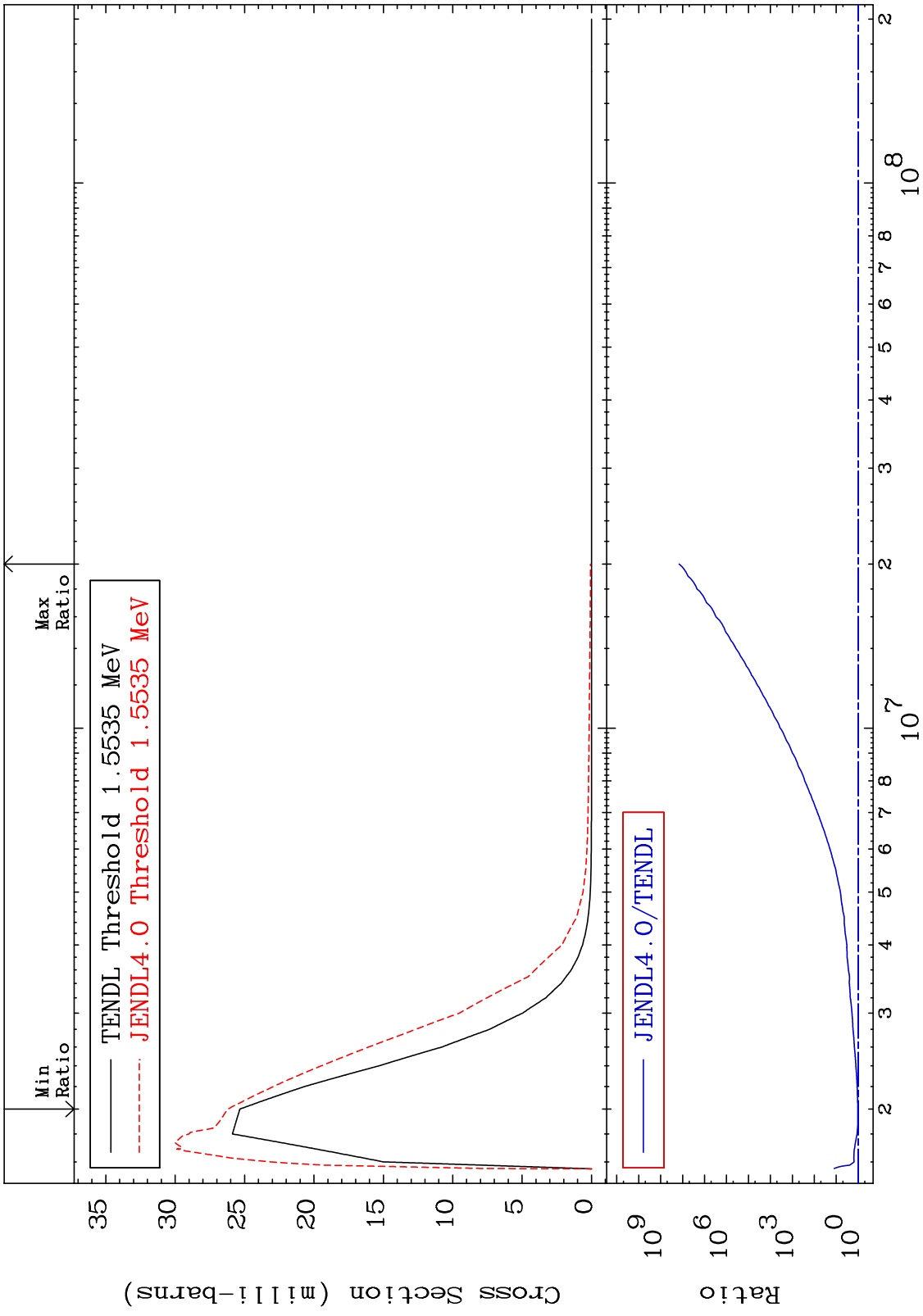
MAT 7643 MT= 68 (n,n') Level Cross Section 76-0s-190
 13.06 To 9999. %



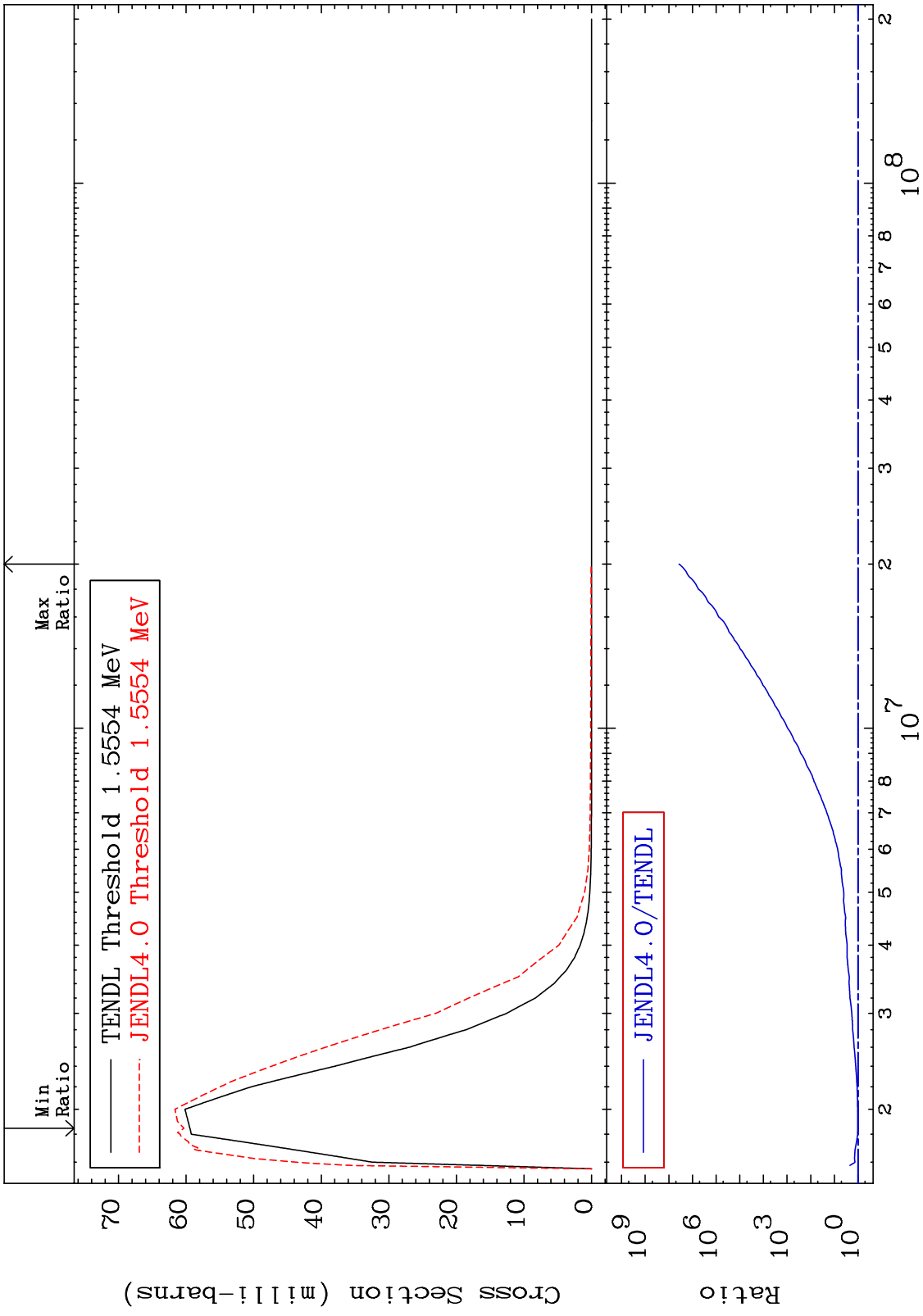
MAT 7643 MT= 69 (n,n') Level Cross Section 76-Os-190
 -14.96 To 9999. %



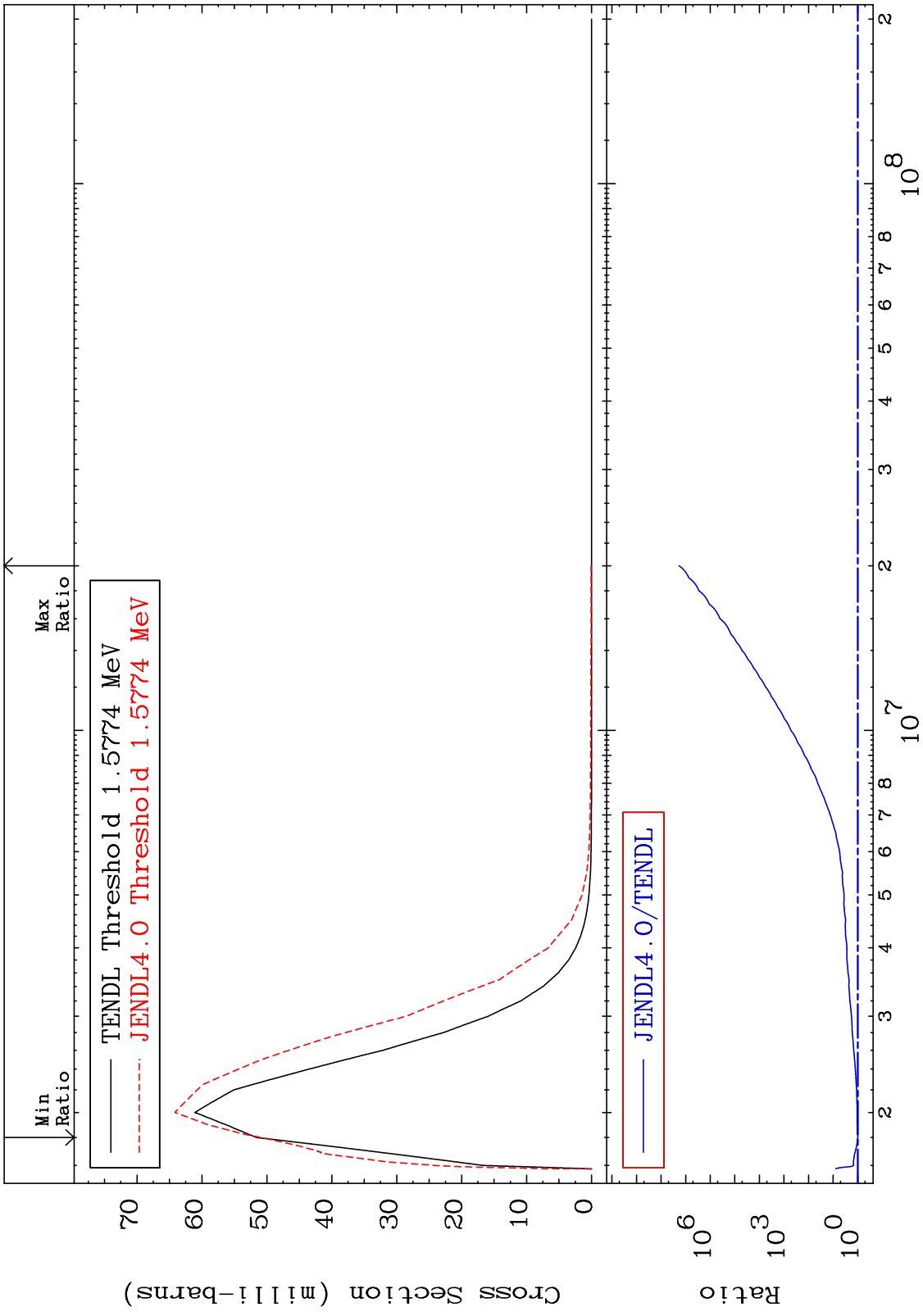
MAT 7643 MT= 70 (n,n') Level Cross Section 76-0s-190 3.472 To 9999. %



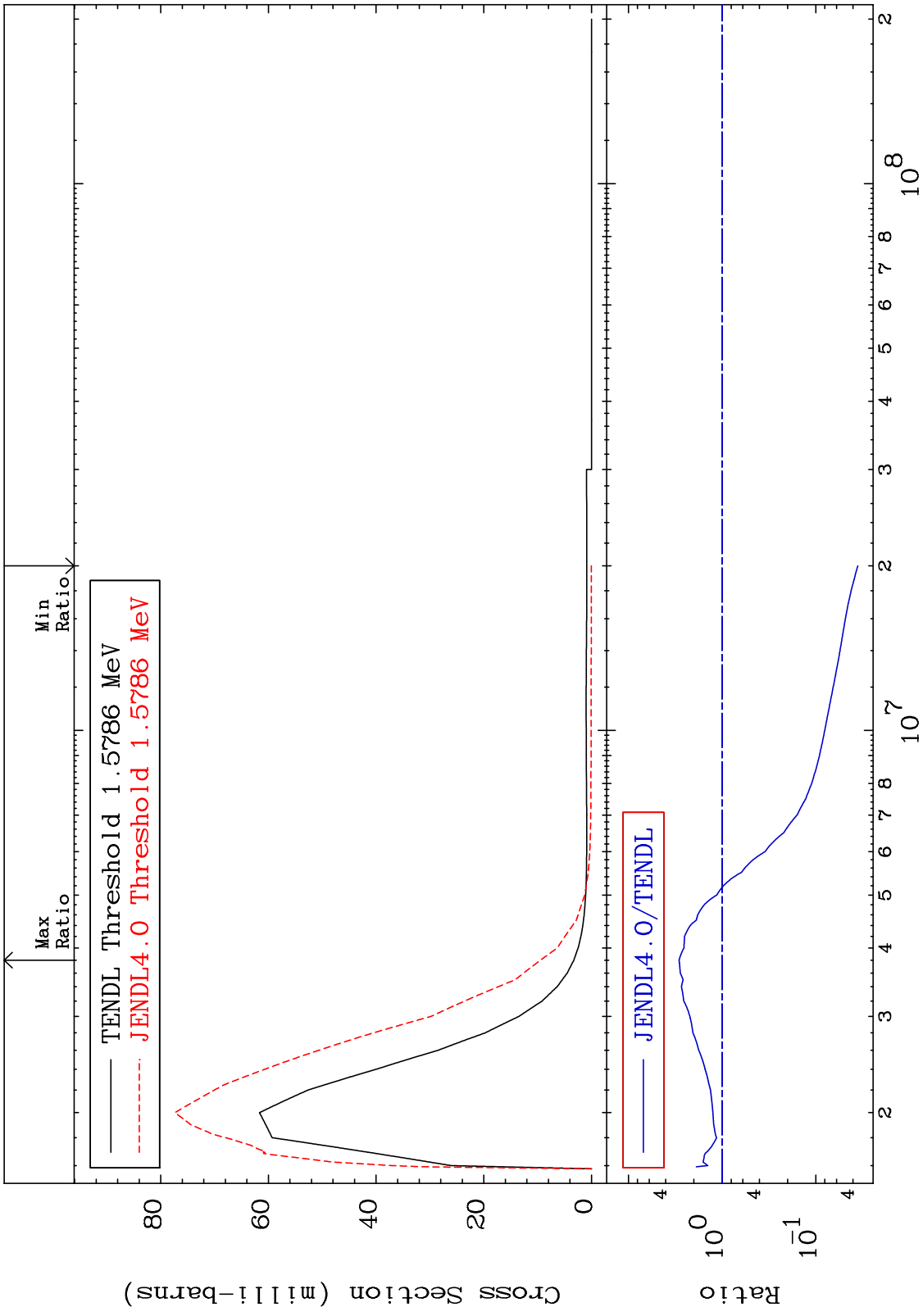
MAT 7643 MT= 71 (n,n') Level Cross Section 76-Os-190
 1.467 To 9999. %



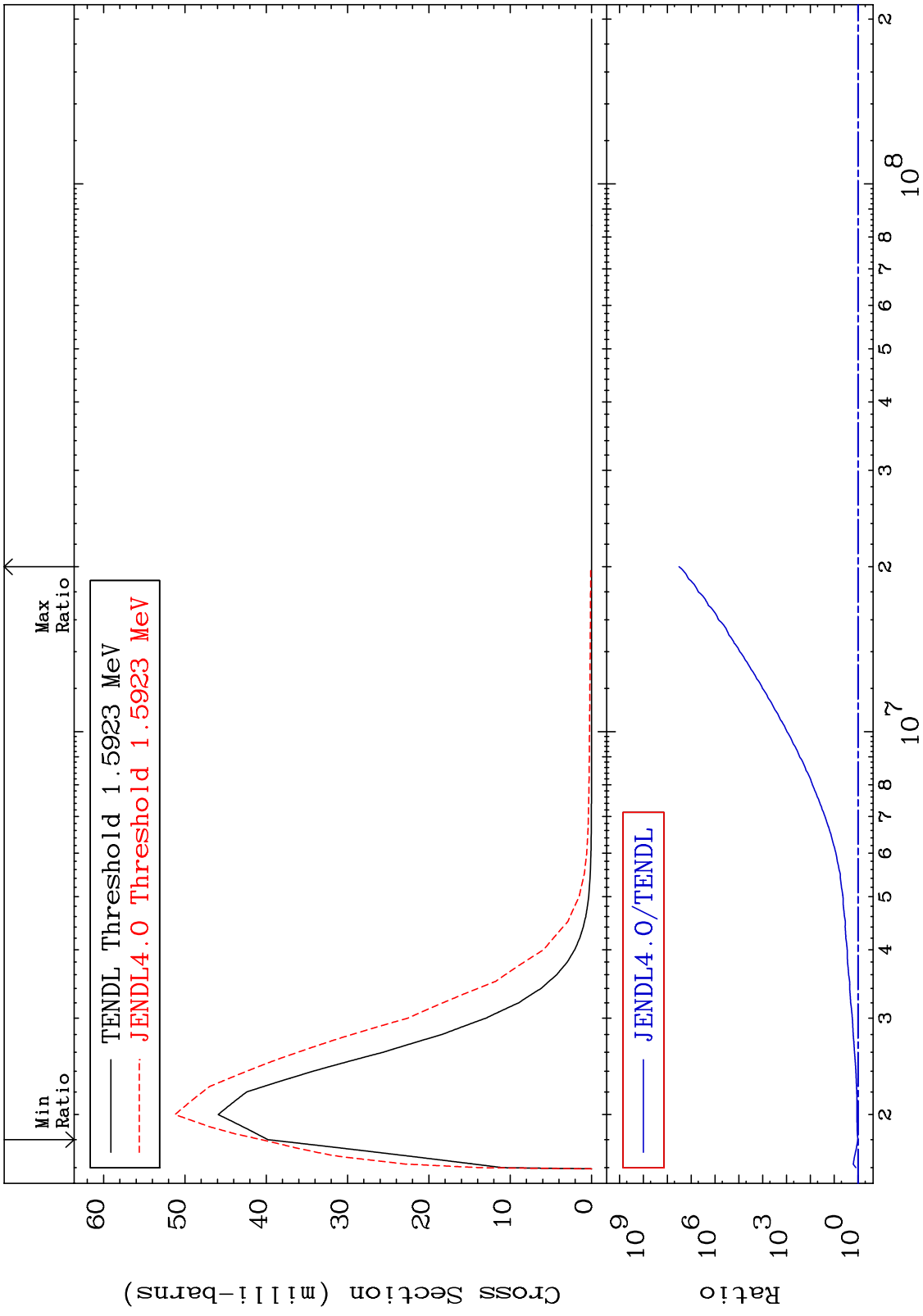
MAT 7643 MT= 72 (n,n') Level Cross Section 76-Os-190
 -1.282 To 9999. %



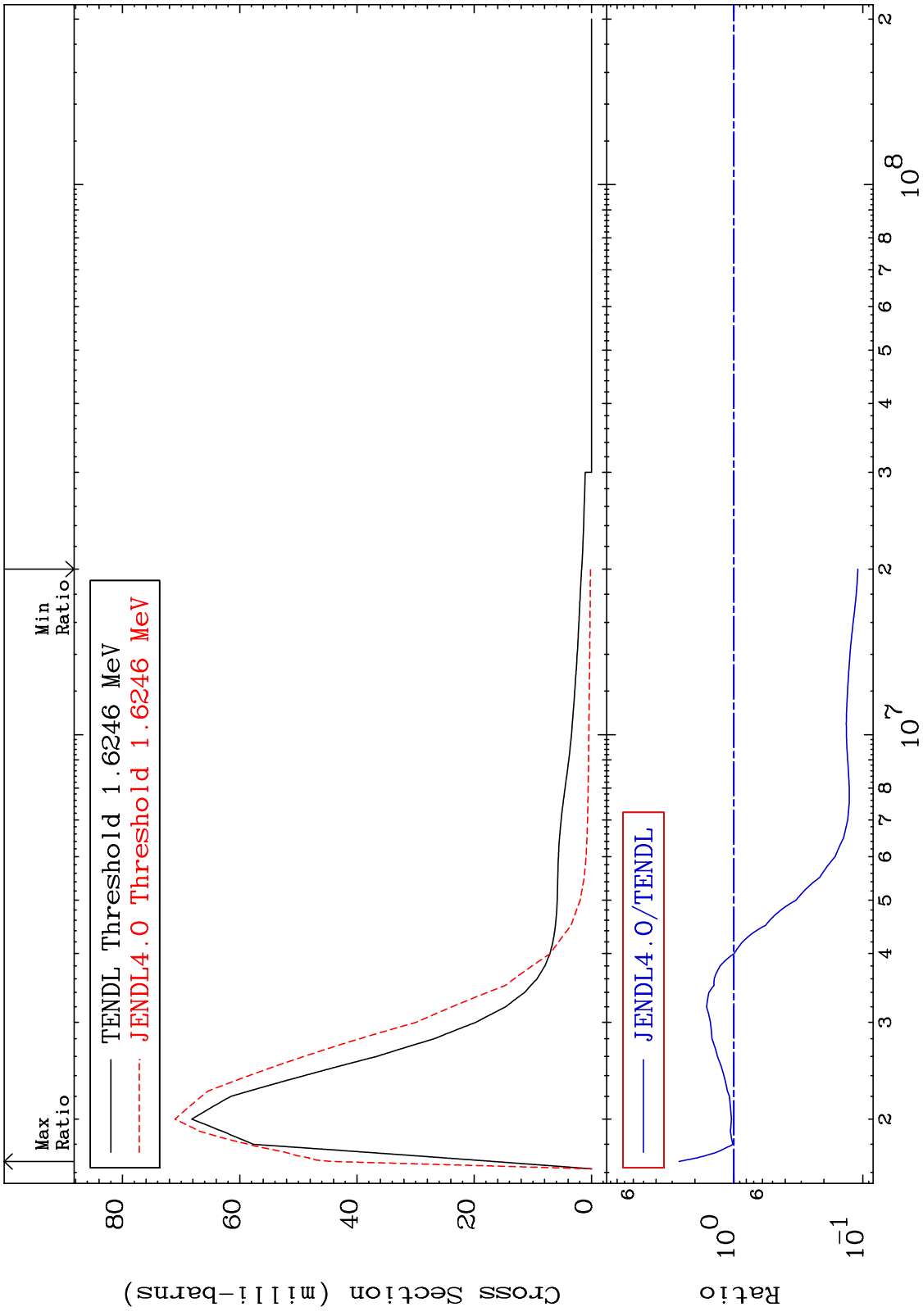
MAT 7643 MT= 73 (n,n') Level Cross Section 76-0s-190
 -96.45 To 188.3 %



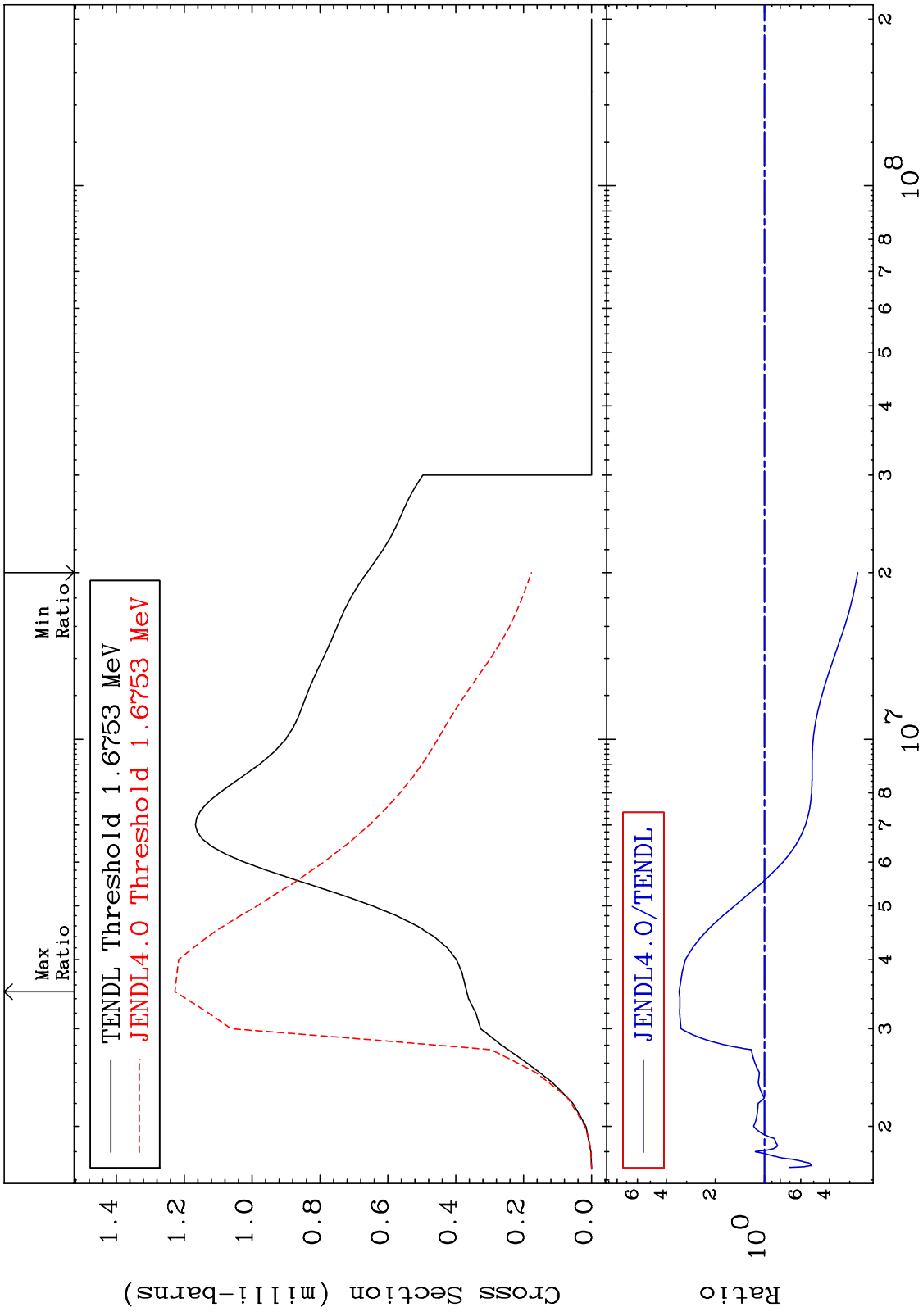
MAT 7643 MT= 74 (n,n') Level Cross Section 76-Os-190
 2.005 To 9999. %



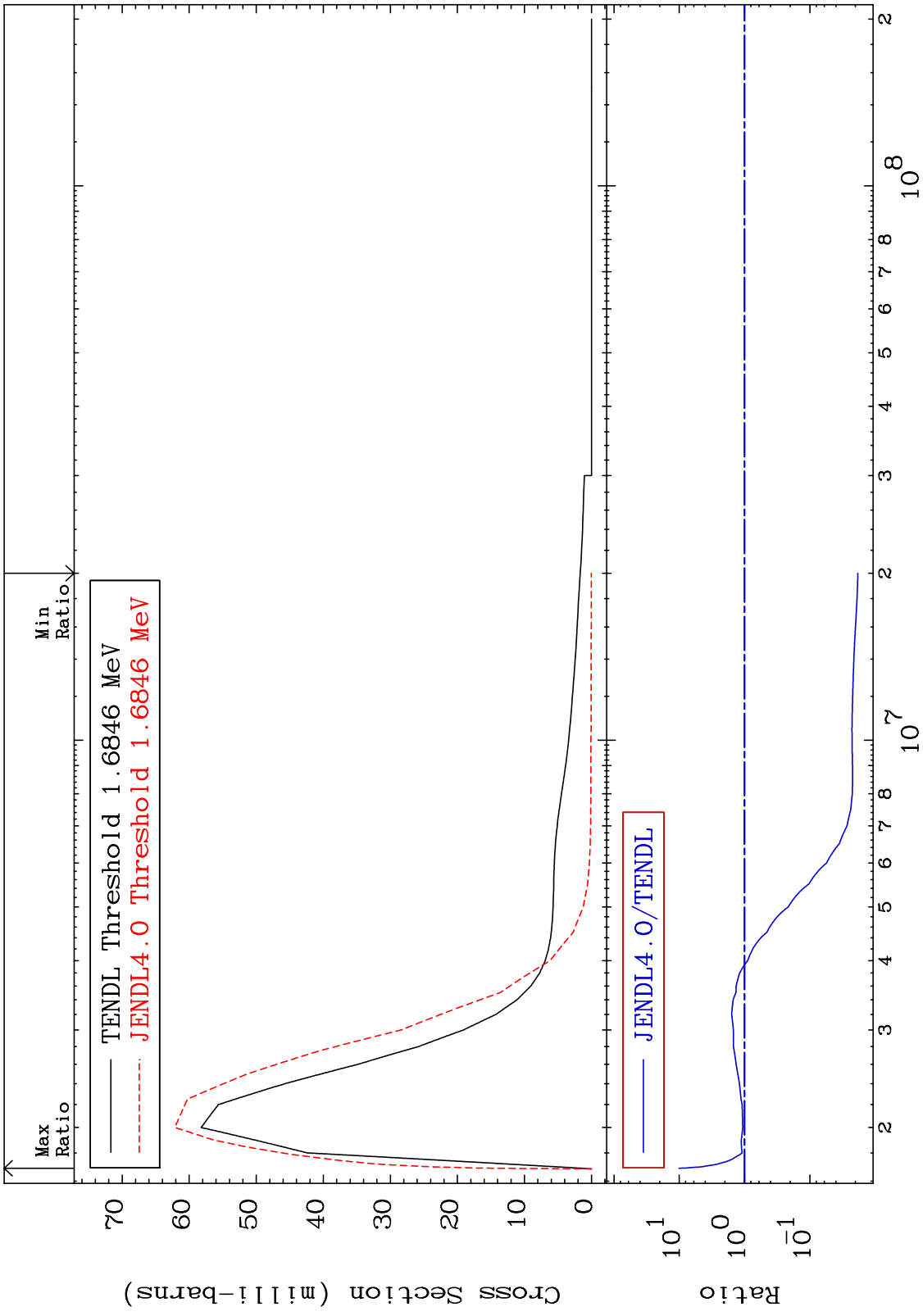
MAT 7643 MT= 75 (n,n') Level Cross Section 76-Os-190
 -89.06 To 165.3 %



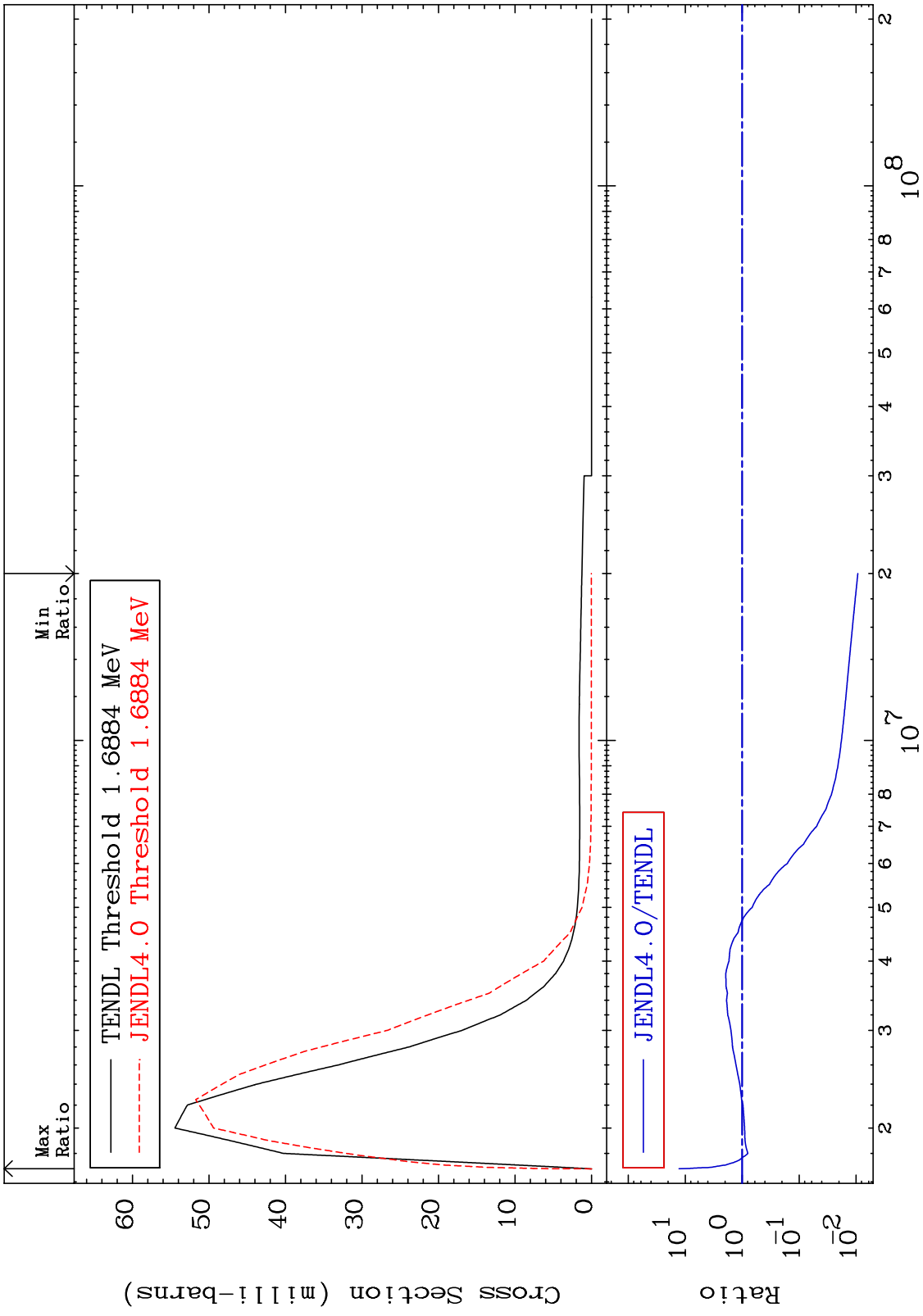
MAT 7643 MT= 76 (n,n') Level Cross Section 76-0s-190
 -73.23 To 233.9 %



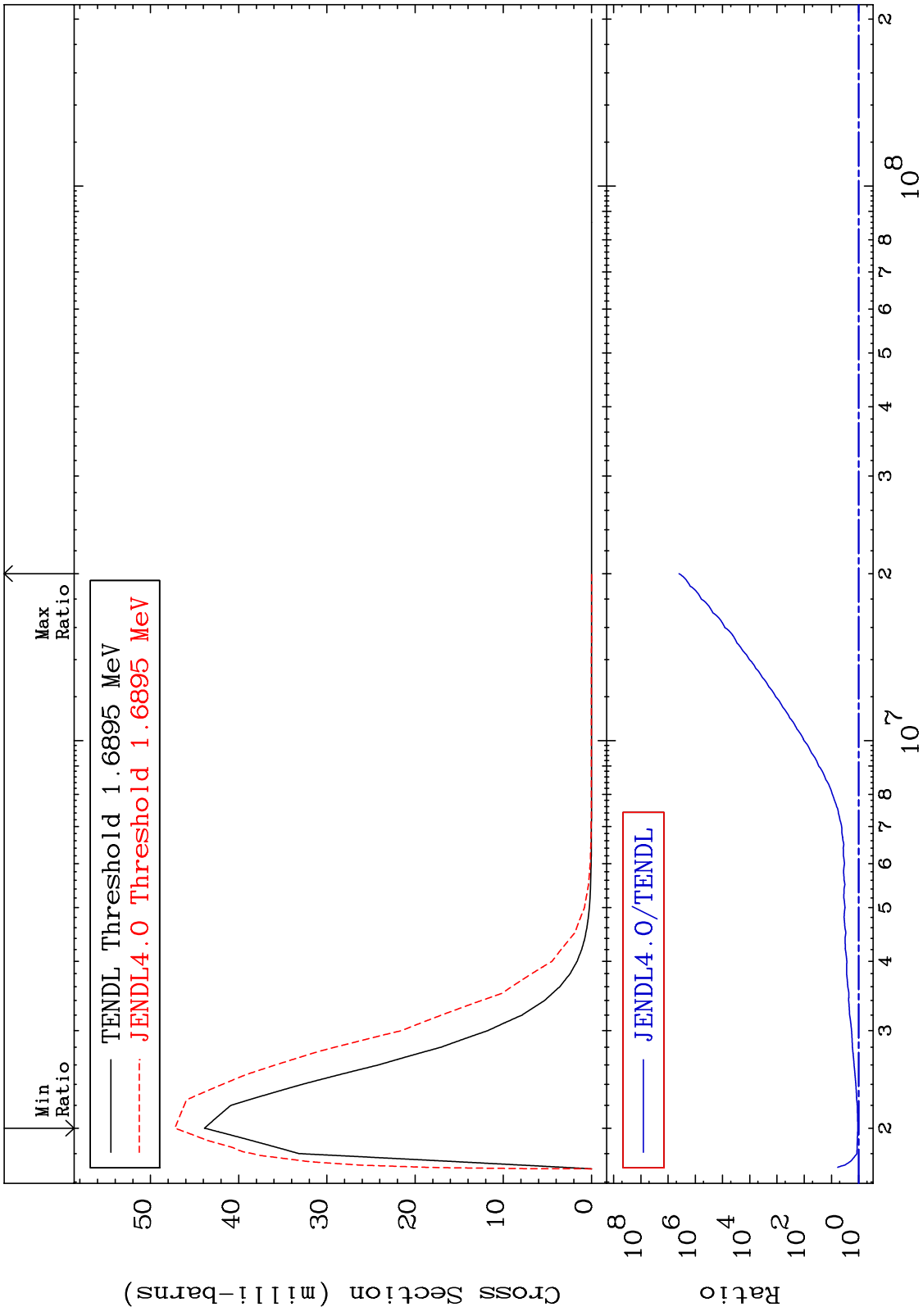
MAT 7643 MT= 77 (n,n') Level Cross Section 76-0s-190
 -98.16 To 908.9 %



MAT 7643 MT= 78 (n,n') Level Cross Section 76-Os-190 -99.07 To 1185. %



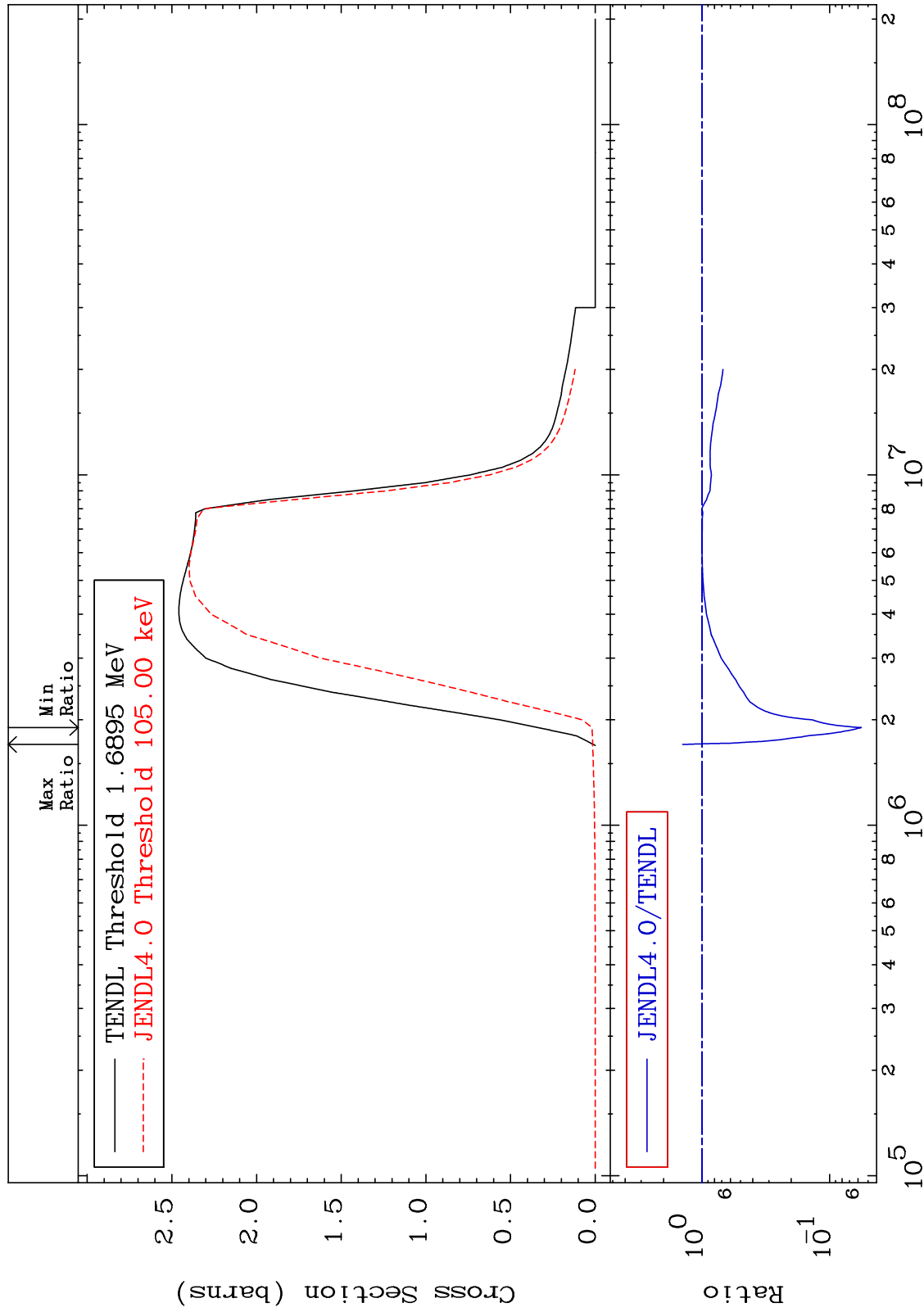
MAT 7643 MT= 79 (n,n') Level Cross Section 76-Os-190
 7.645 To 9999. %



MAT 7643

(n, n') Continuum
Cross Section

76-Os-190
-94.35 To 41.74 %

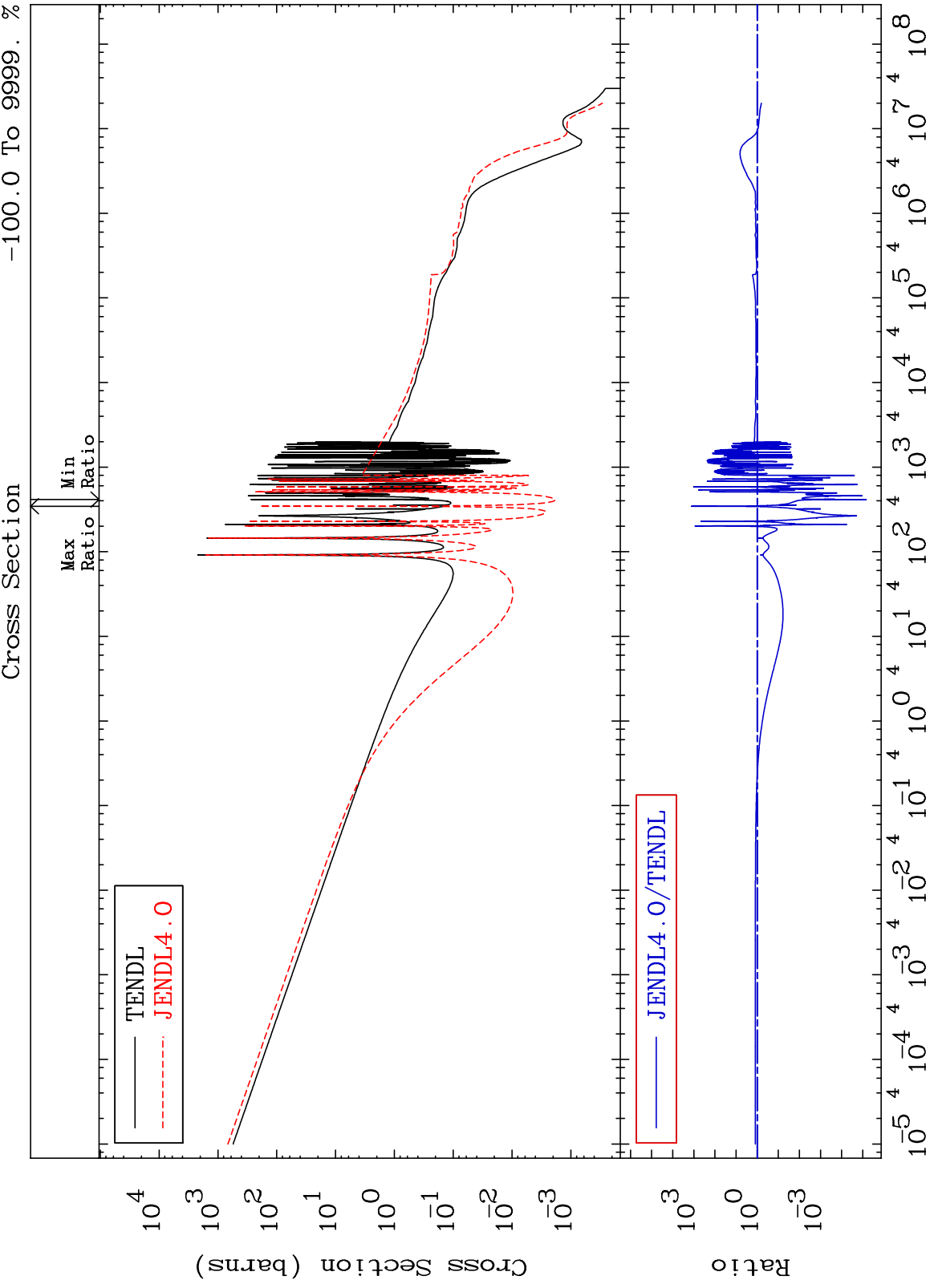


40

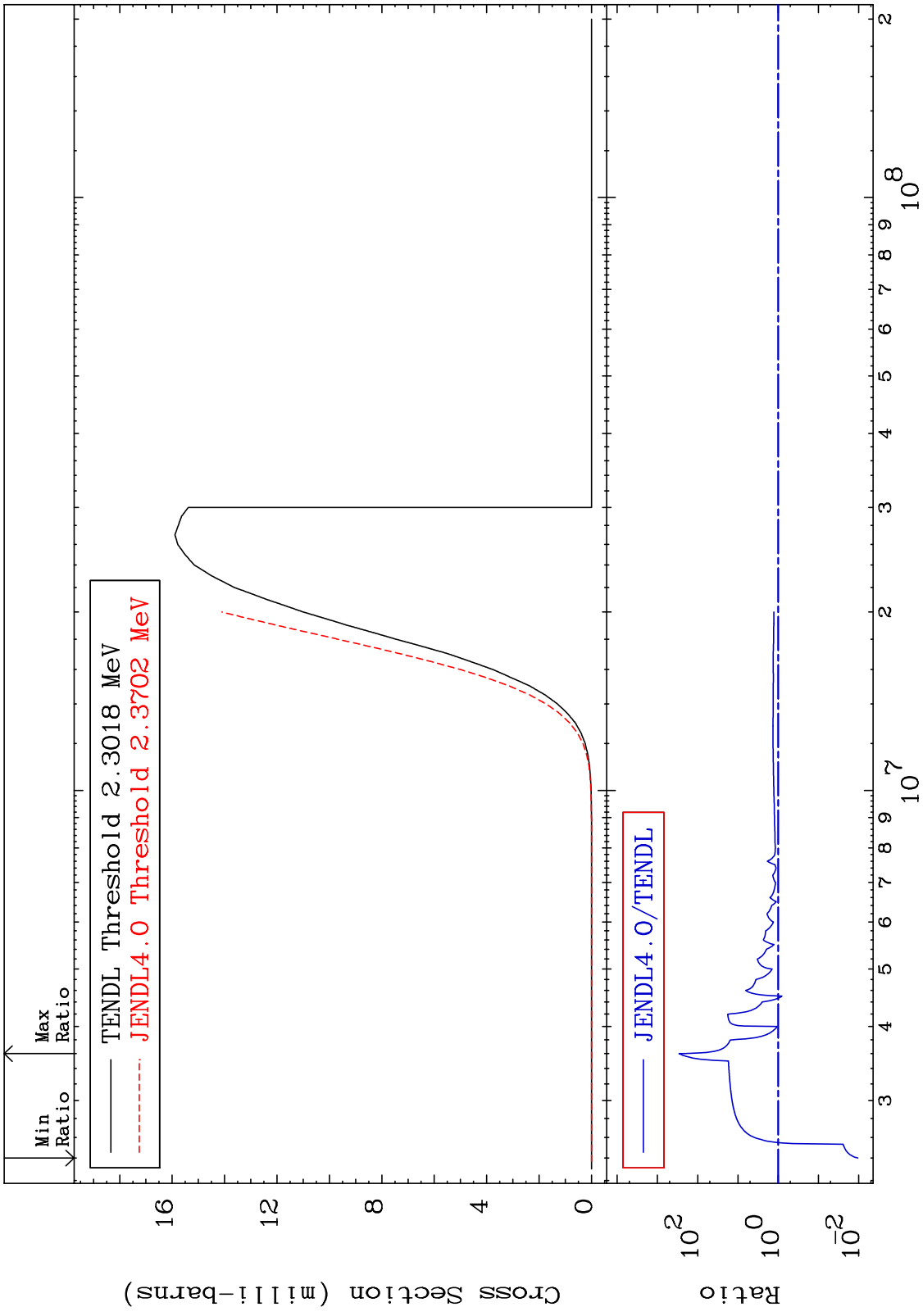
Incident Energy (eV)

76-Os-190

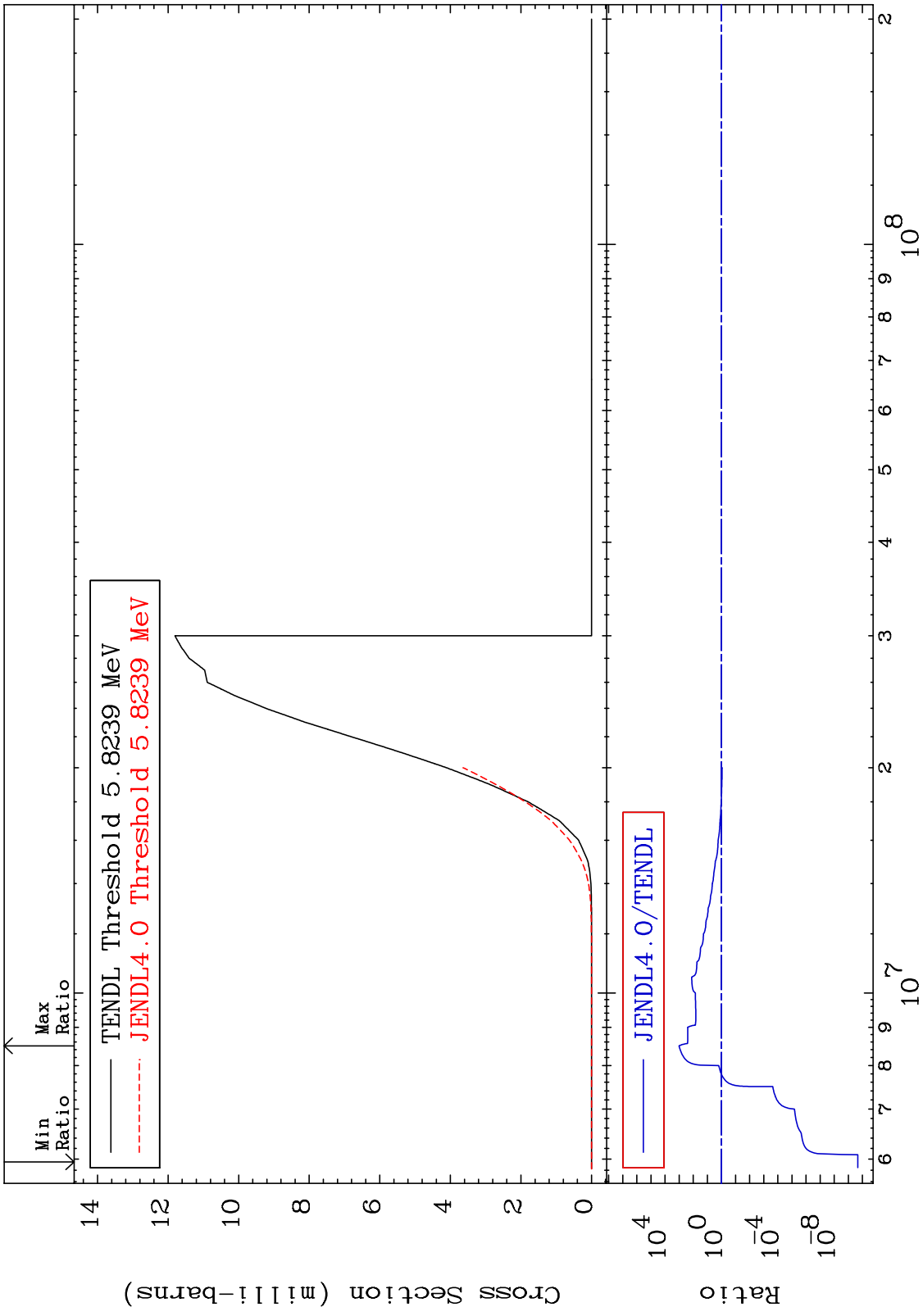
MAT 7643 (n,γ) 76-0s-190
-100.0 To 9999. %



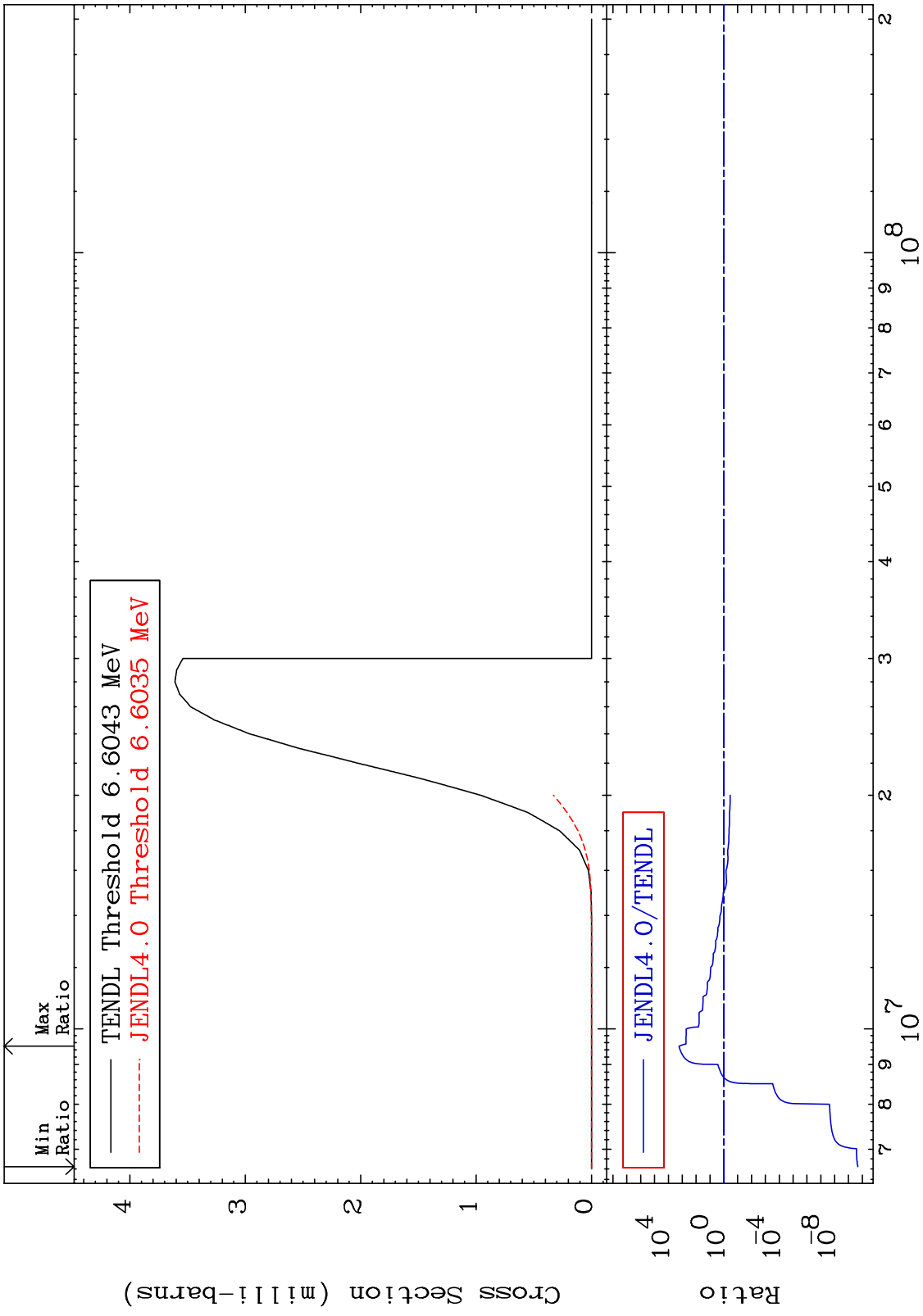
MAT 7643 (n,p) Cross Section 76-Os-190
 -98.95 To 9999. %



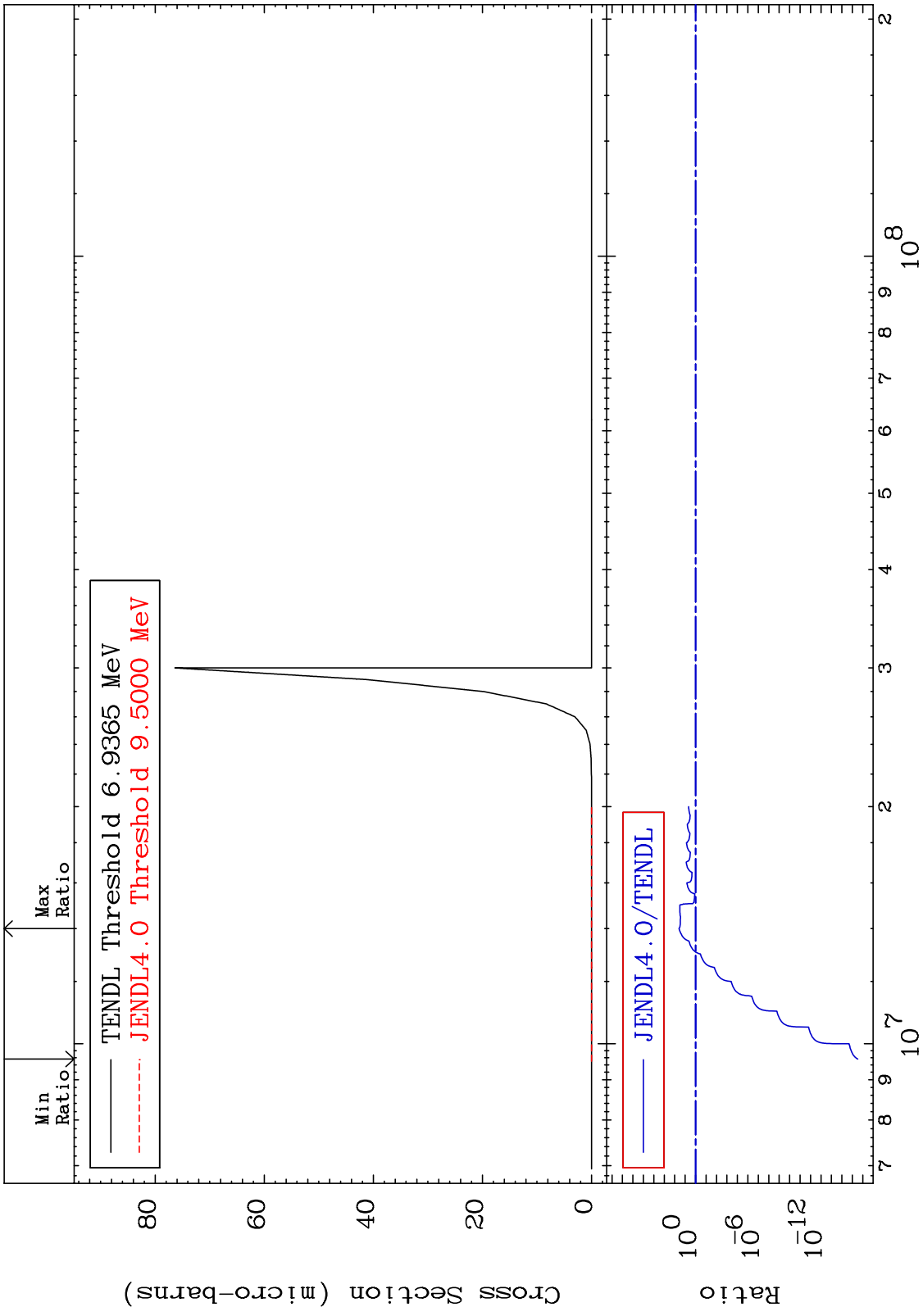
MAT 7643 (n,d) 76-Os-190
 Cross Section -100.0 To 9999. %



MAT 7643 (n,t) 76-Os-190
 Cross Section -100.0 To 9999. %

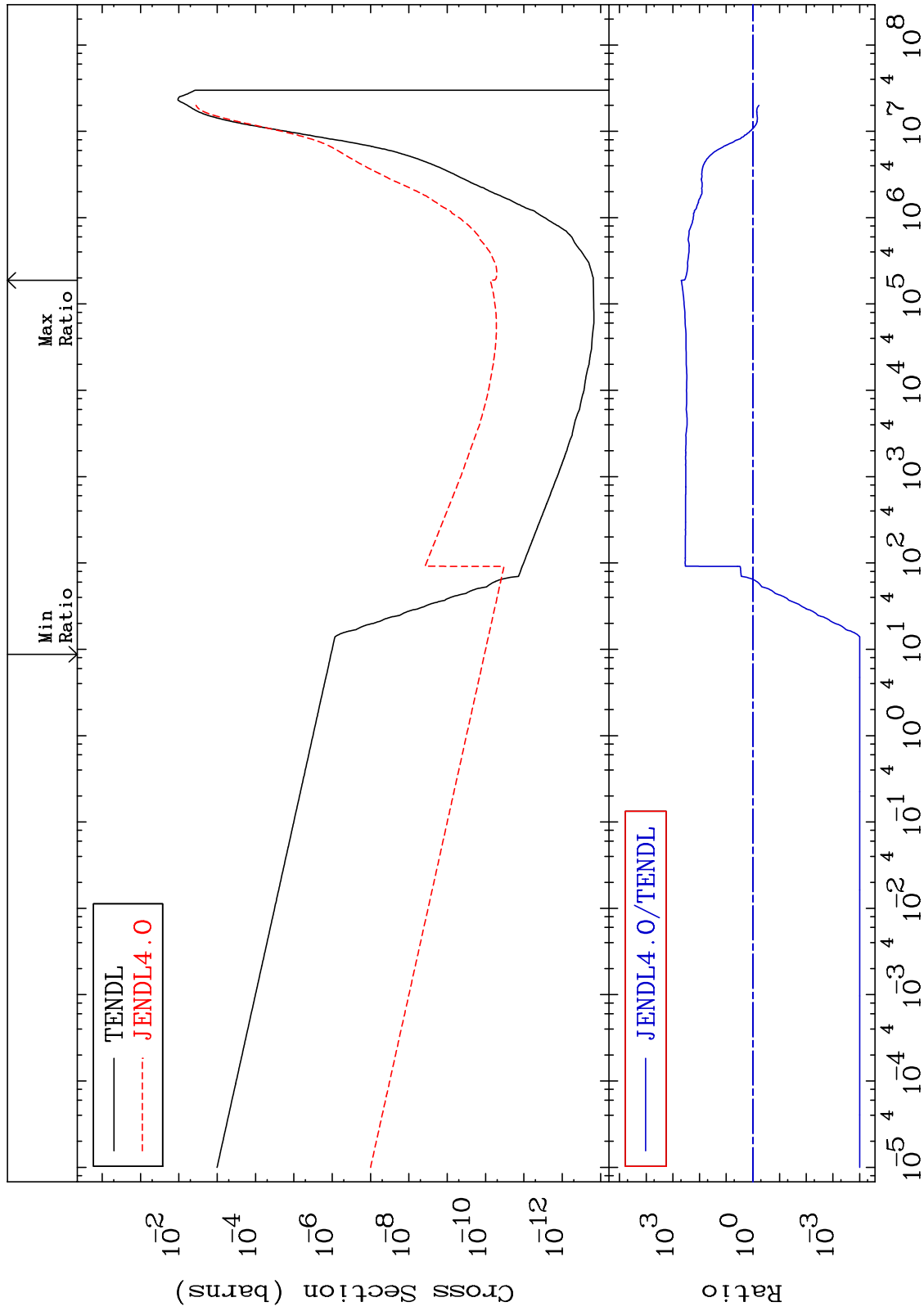


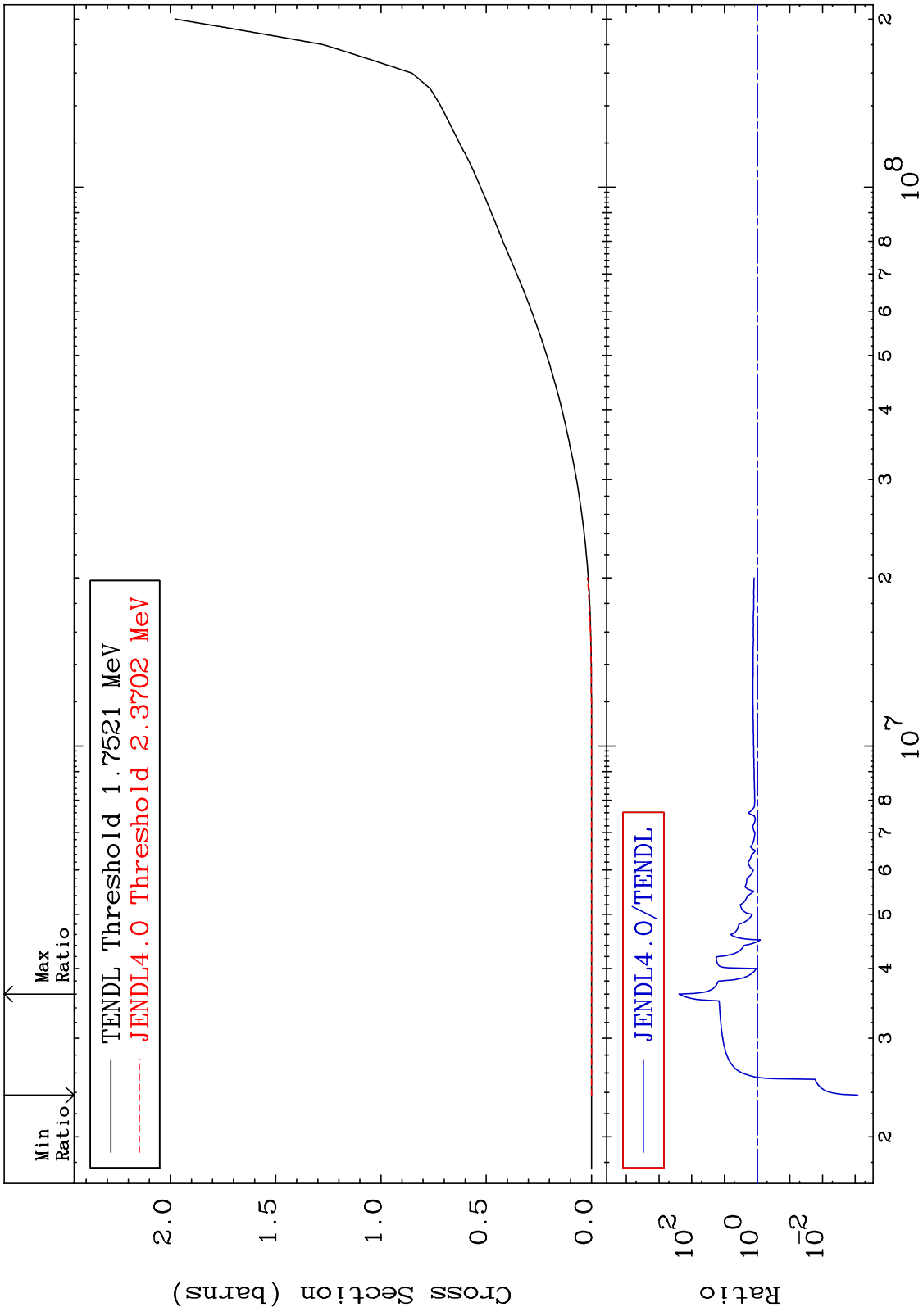
MAT 7643 (n, He-3) 76-0s-190
 Cross Section -100.0 To 3737. %



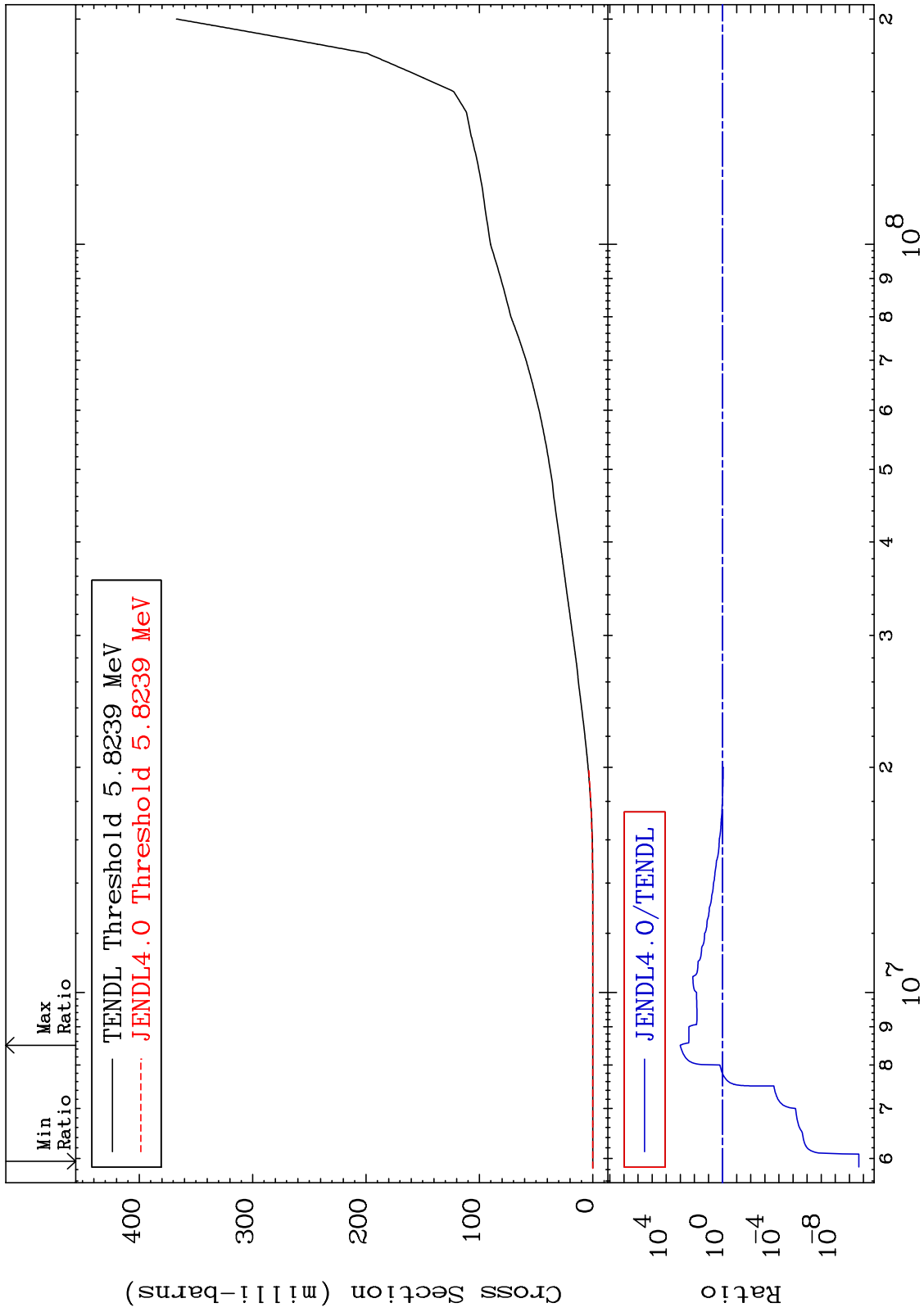
MAT 7643

(n, α) Cross Section
76-Os-190 -99.99 To 9999. %

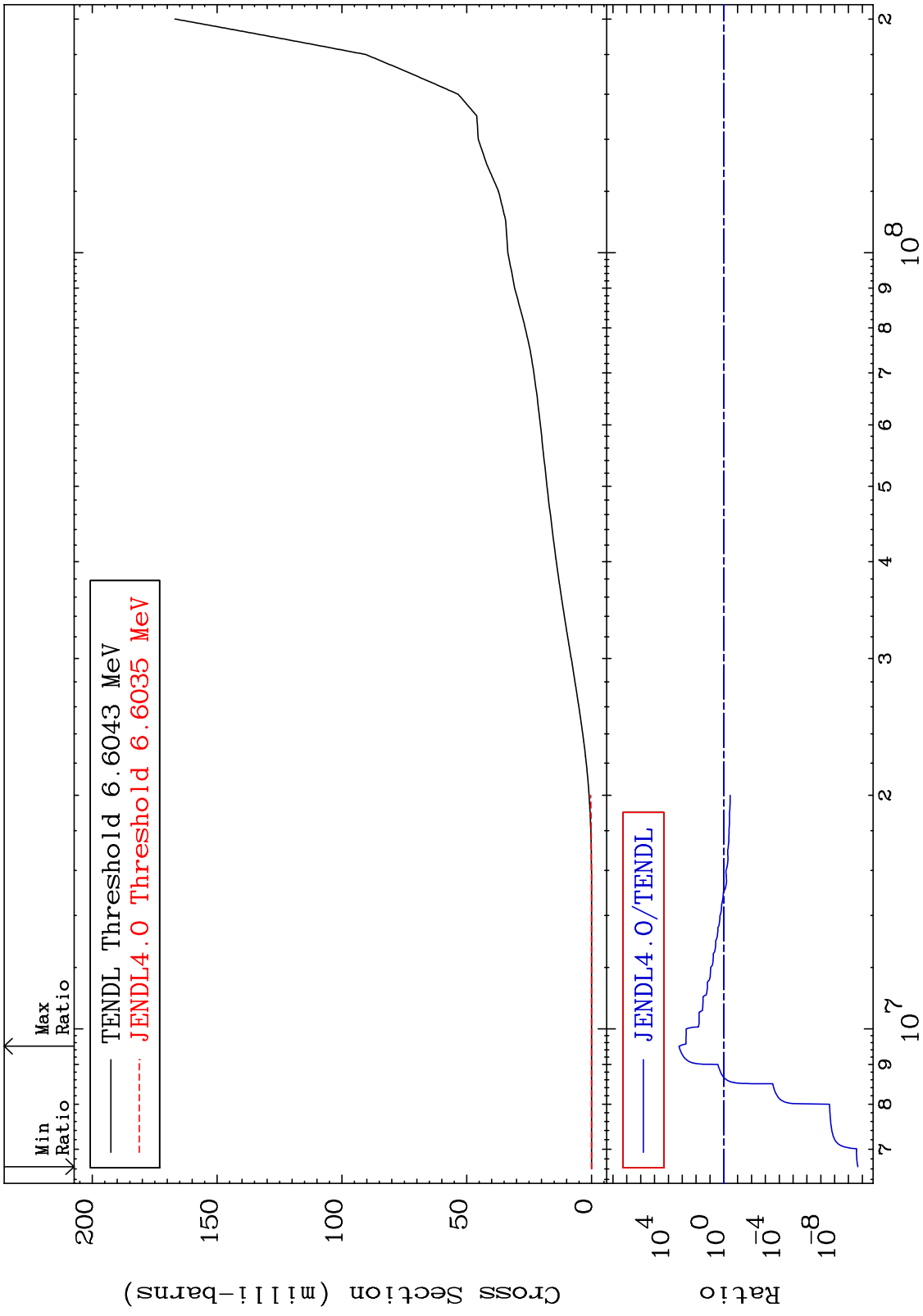




MAT 7643 Deuterium Production Cross Section 76-Os-190 -100.0 To 9999. %



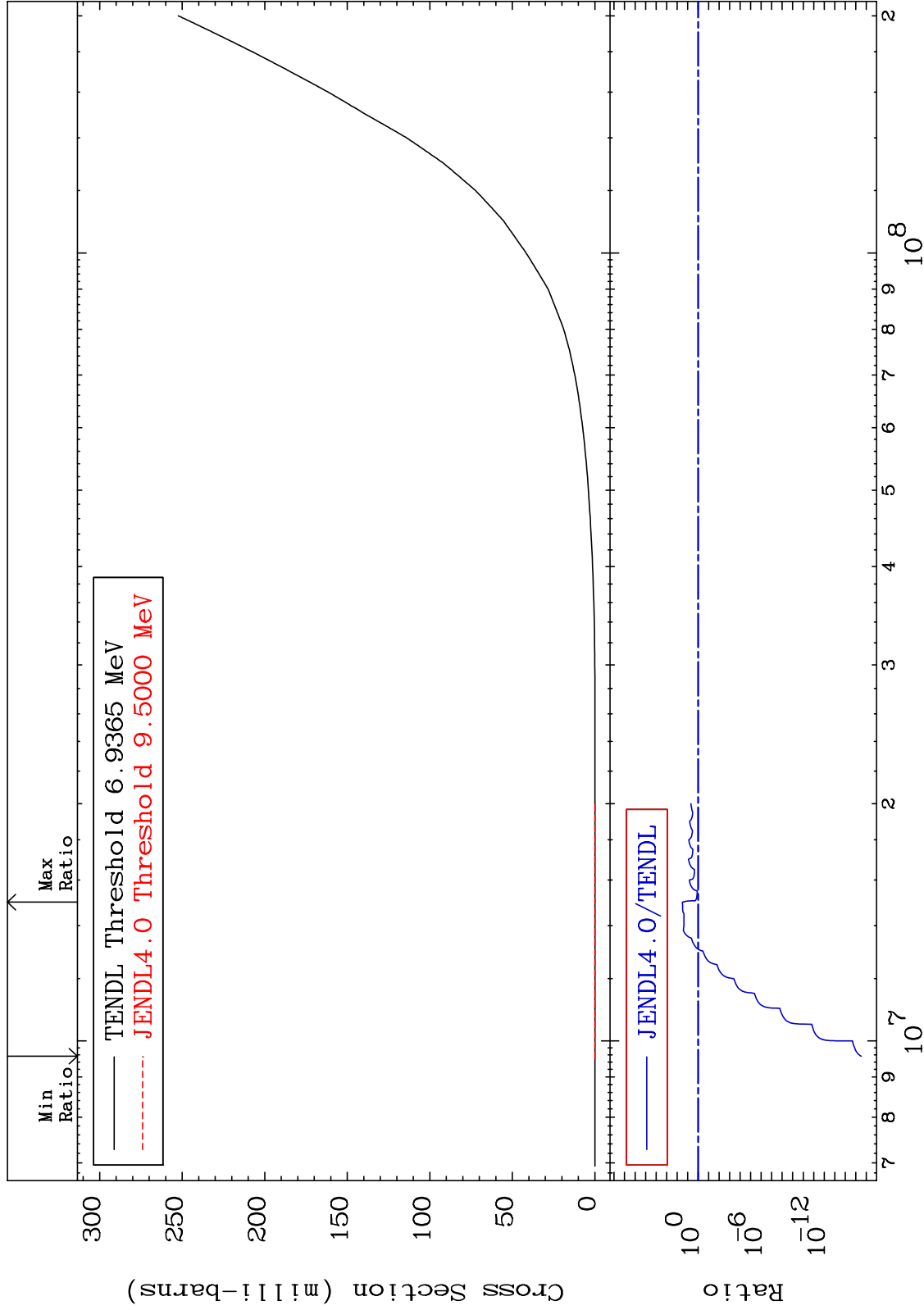
MAT 7643 Tritium Production Cross Section 76-Os-190
 -100.0 To 9999. %



MAT 7643

He-3 Production
Cross Section

76-Os-190
-100.0 To 2989. %

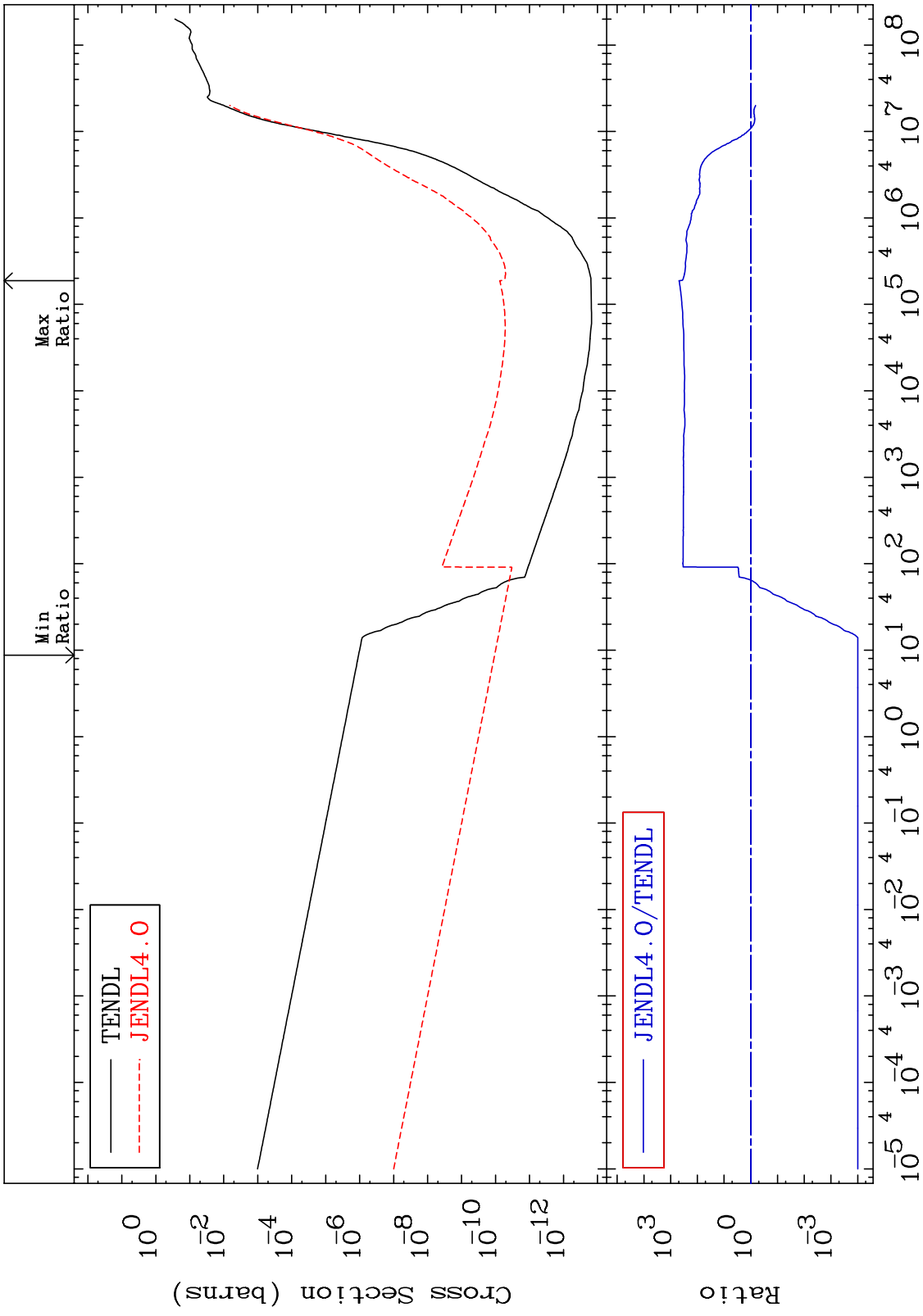


50

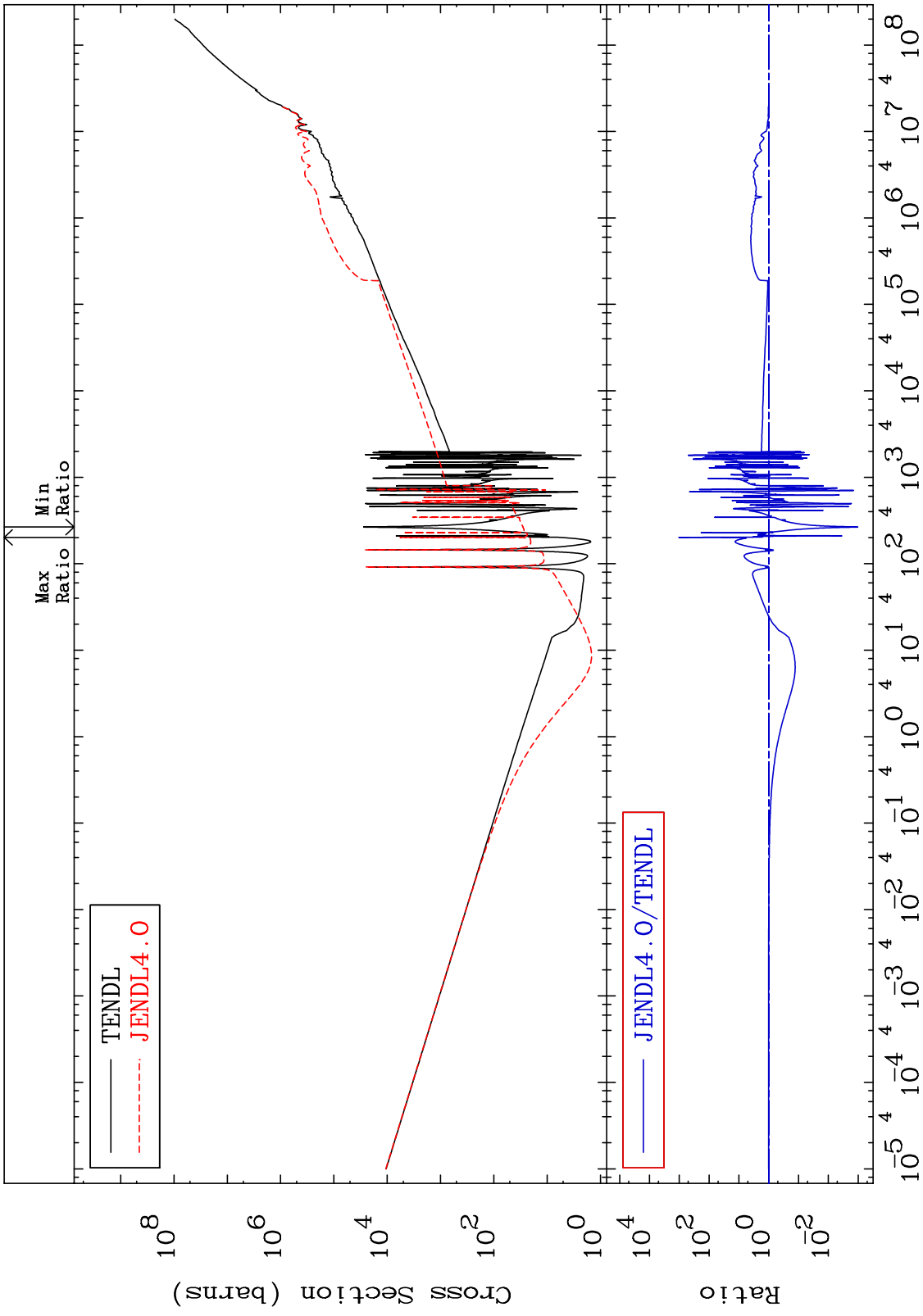
Incident Energy (eV)

76-Os-190

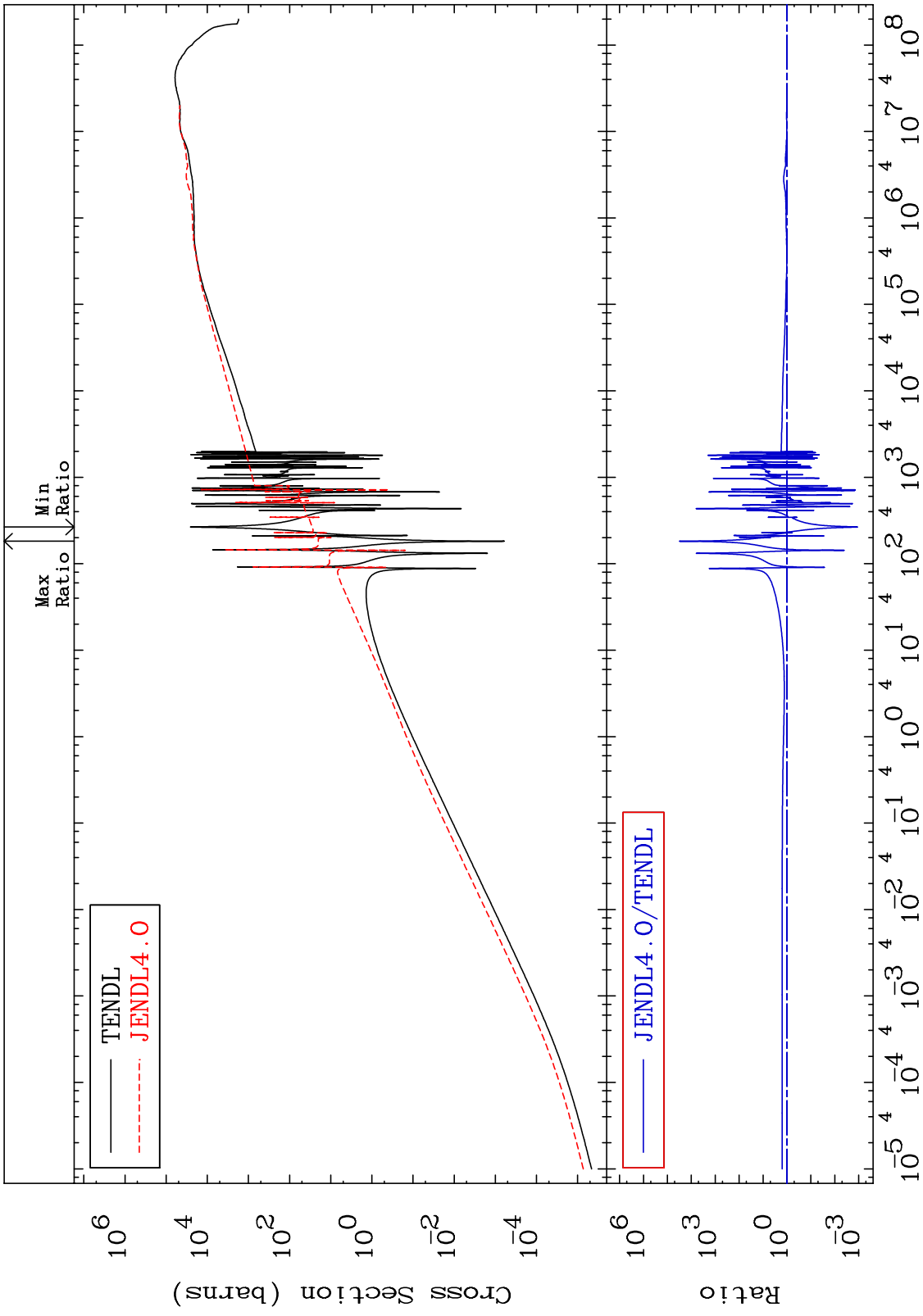
MAT 7643 He-4 Production Cross Section 76-0s-190
 -99.99 To 9999. %



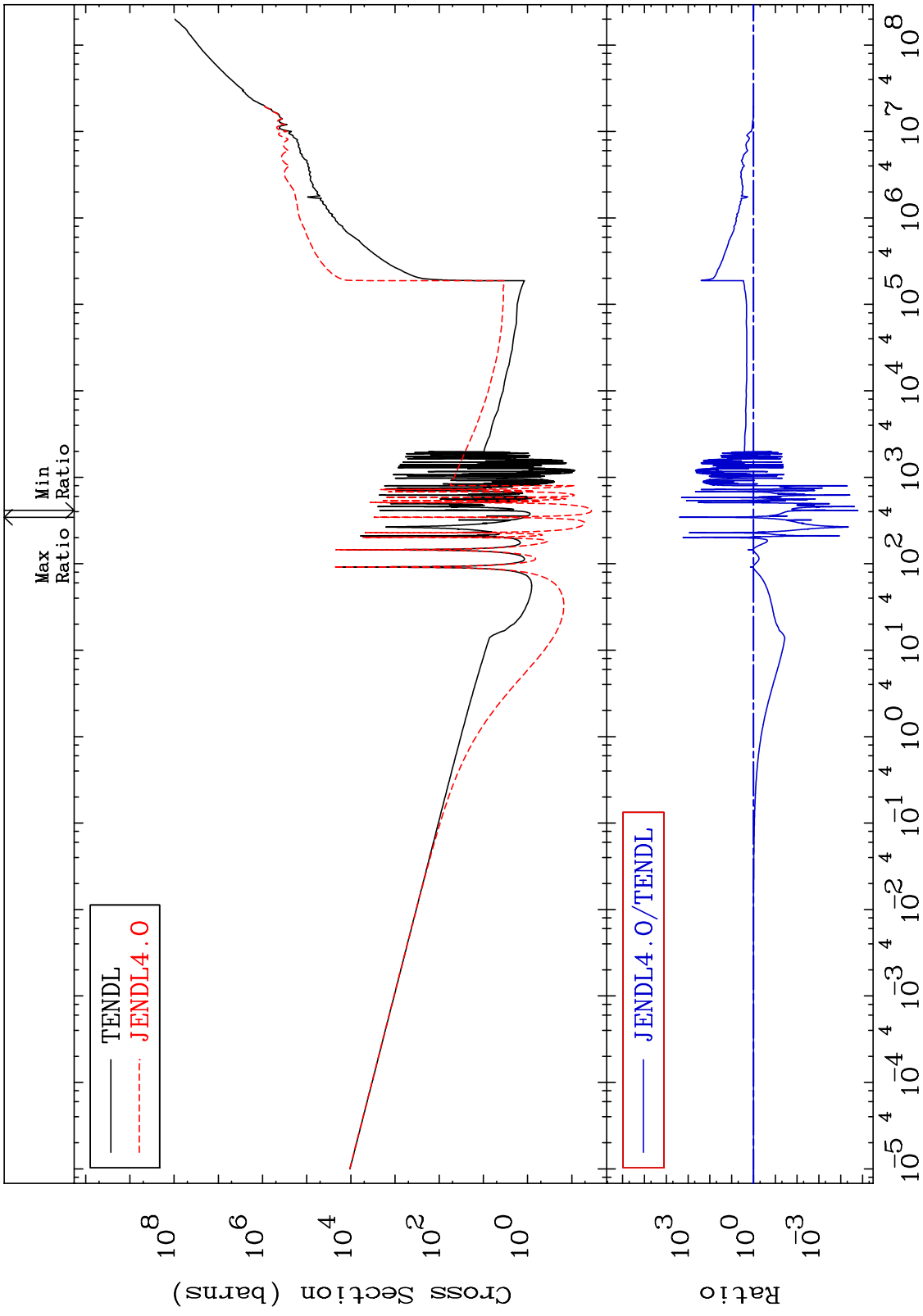
MAT 7643 Kerma total (eV-barns) 76-Os-190
 Cross Section -99.90 To 9999. %



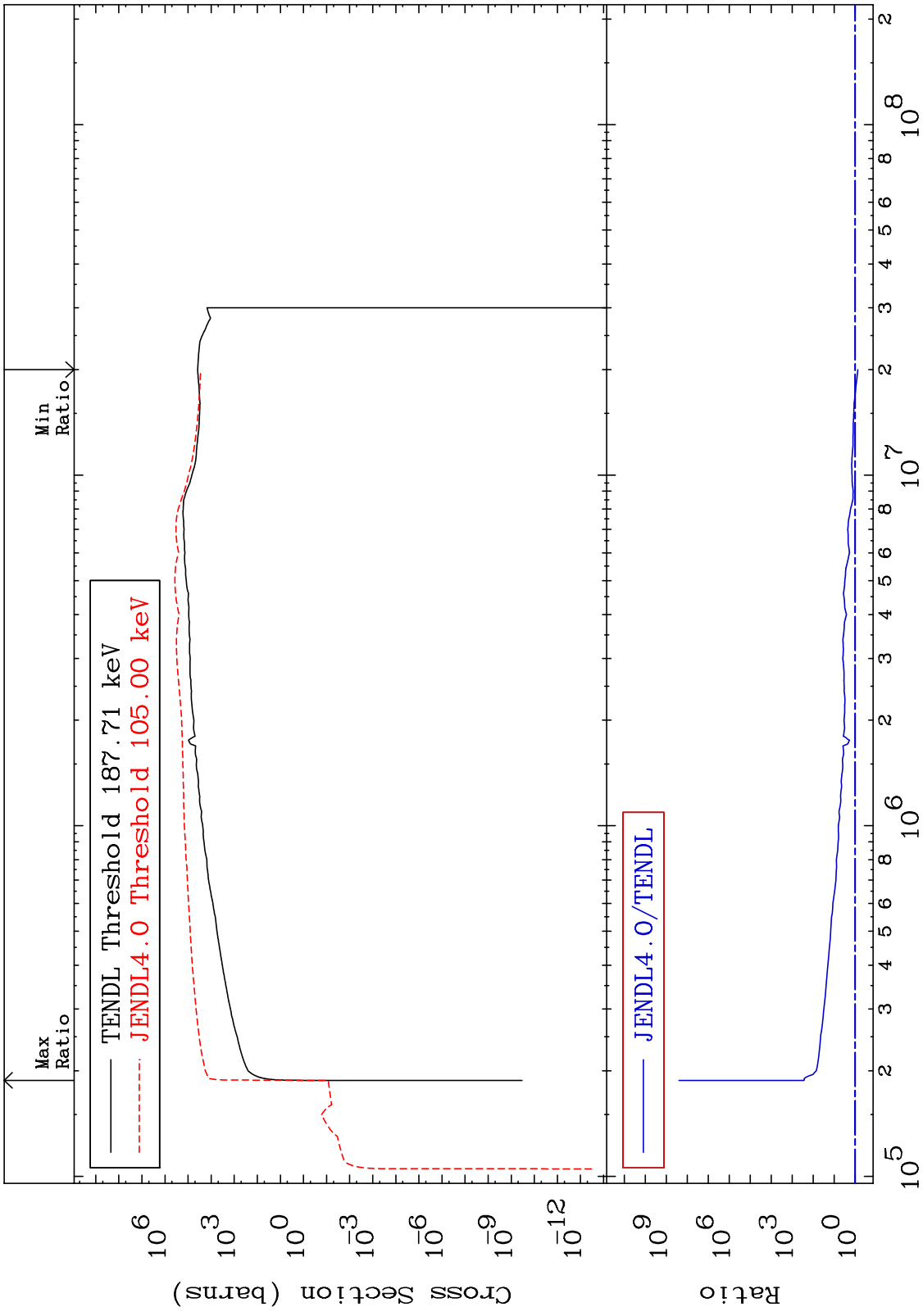
MAT 7643 Kerma elastic Cross Section 76-Os-190 -99.89 To 9999. %



MAT 7643 Kerma non-elastic (all but mt2) 76-Os-190
 -100.0 To 9999. %
 Cross Section



MAT 7643 Kerma inelastic (mt51-91) 76-Os-190
 Cross Section -25.92 To 9999. %

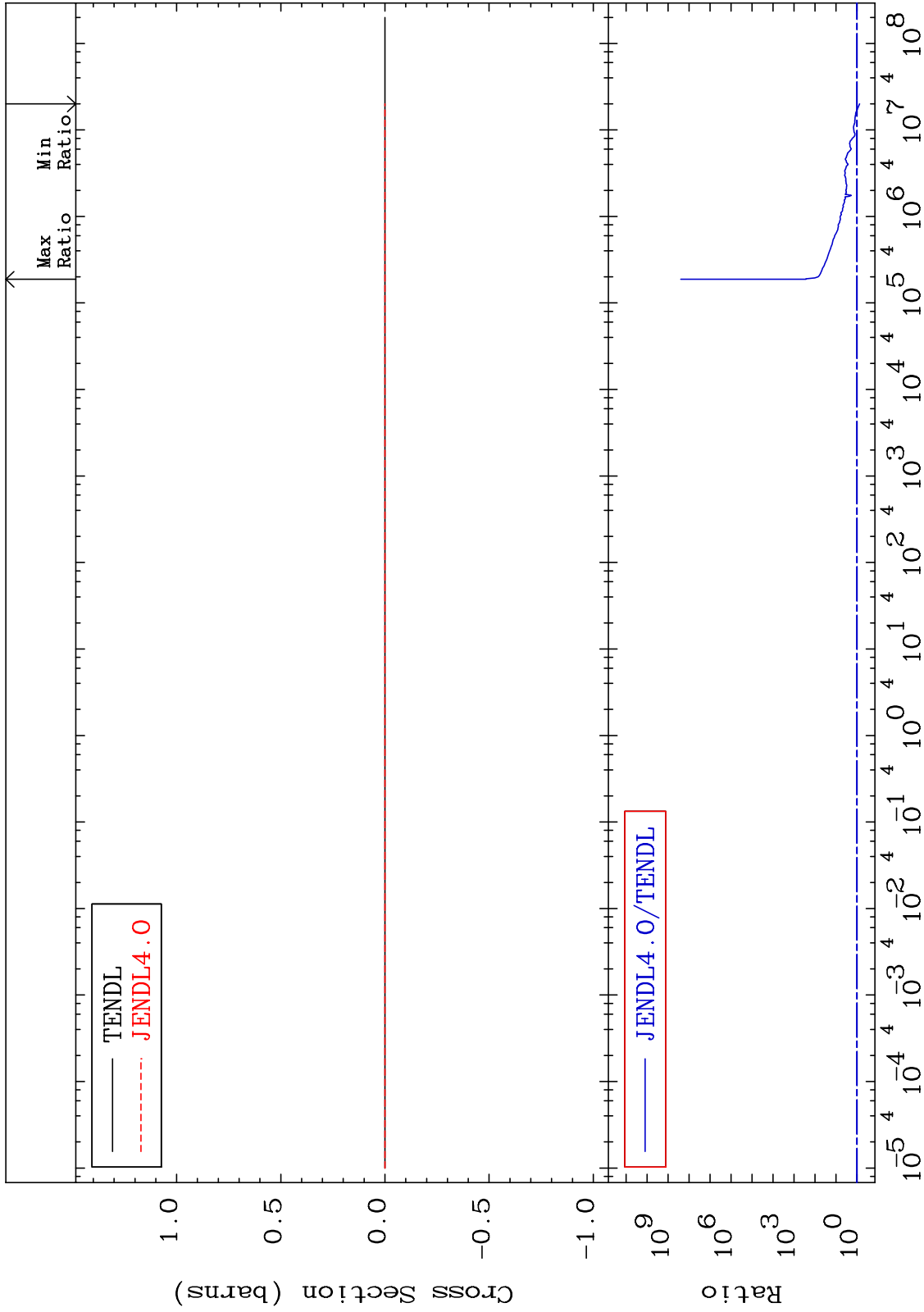


55 76-Os-190

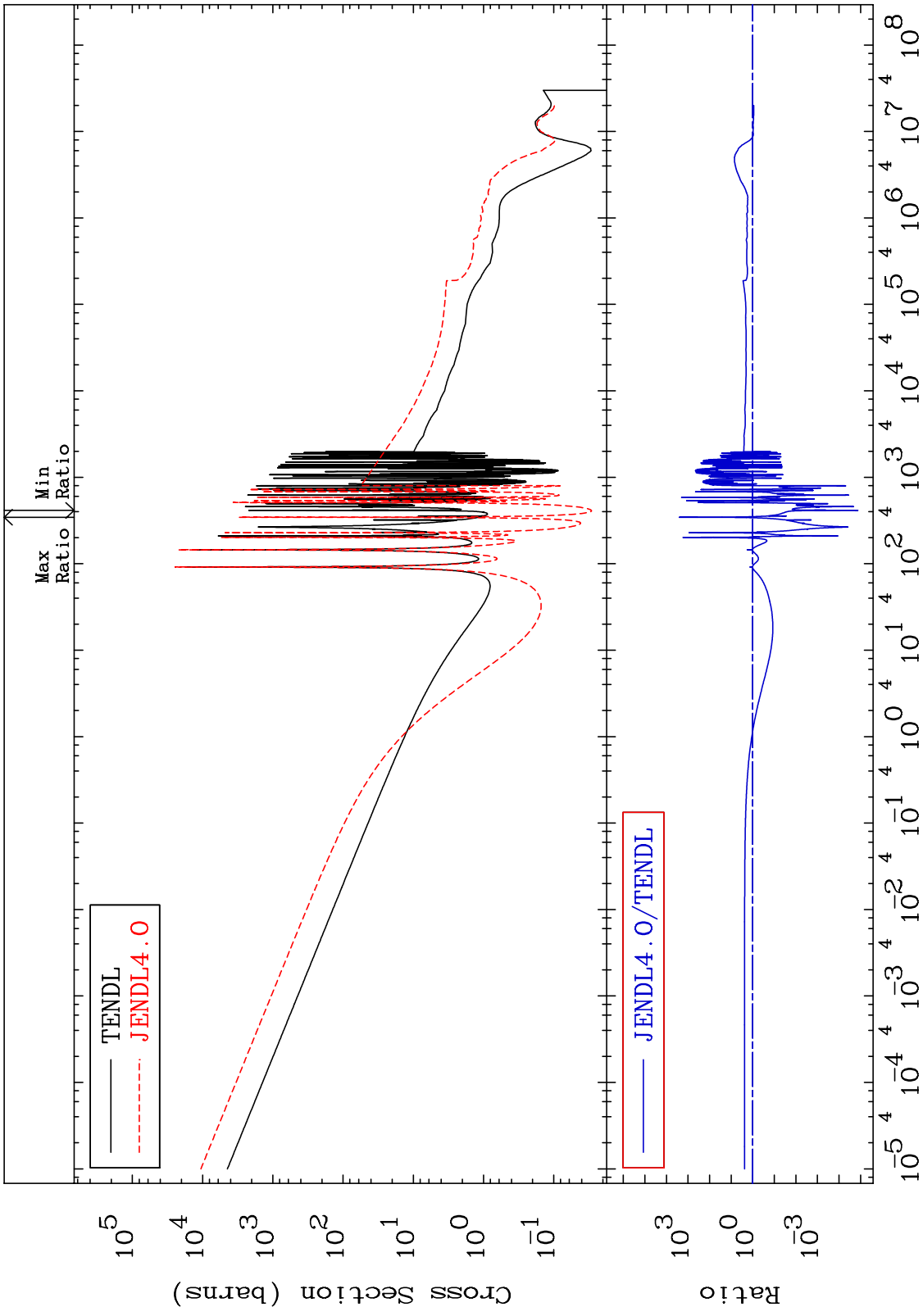
MAT 7643

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

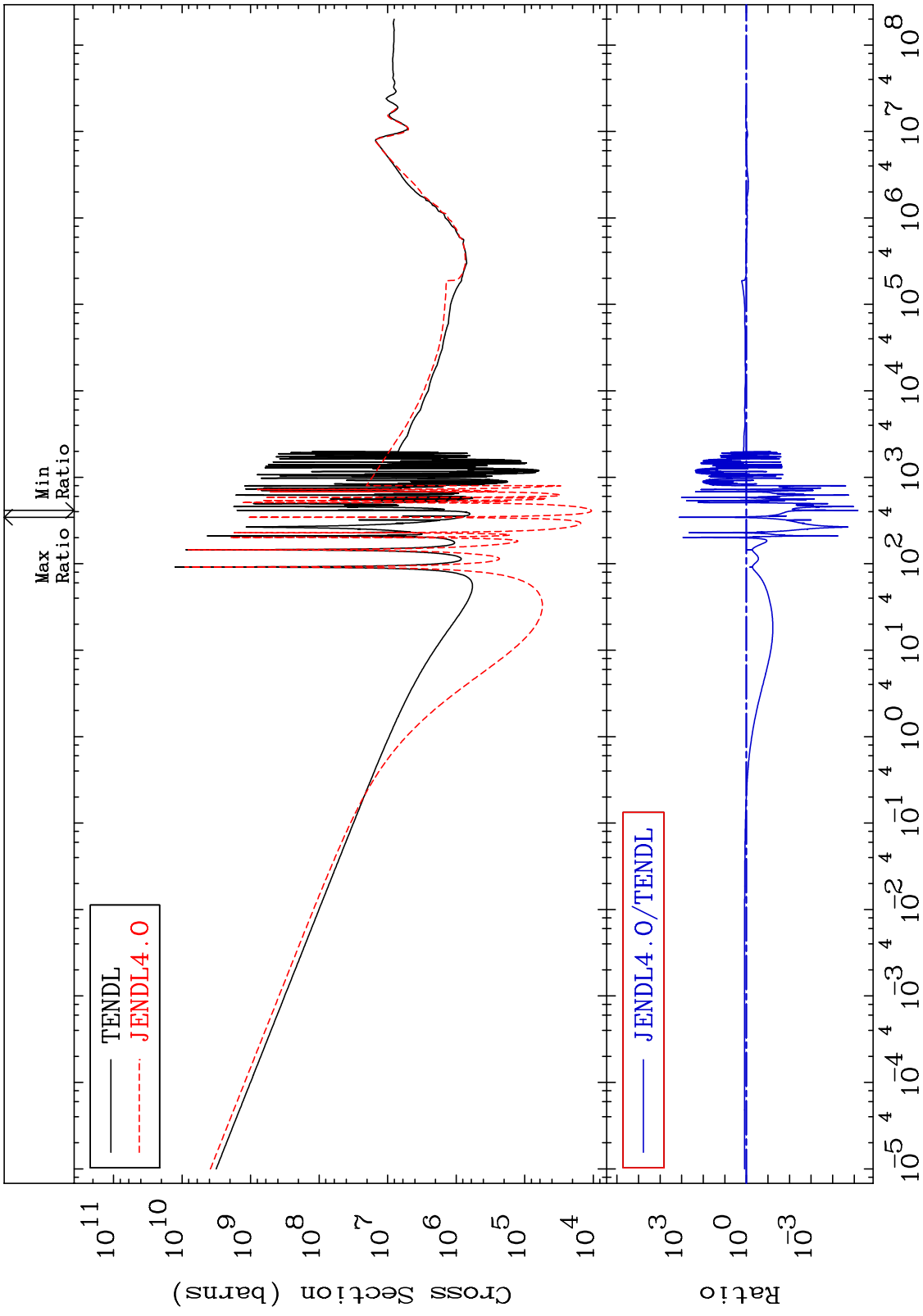
76-0s-190
-25.92 To 9999. %



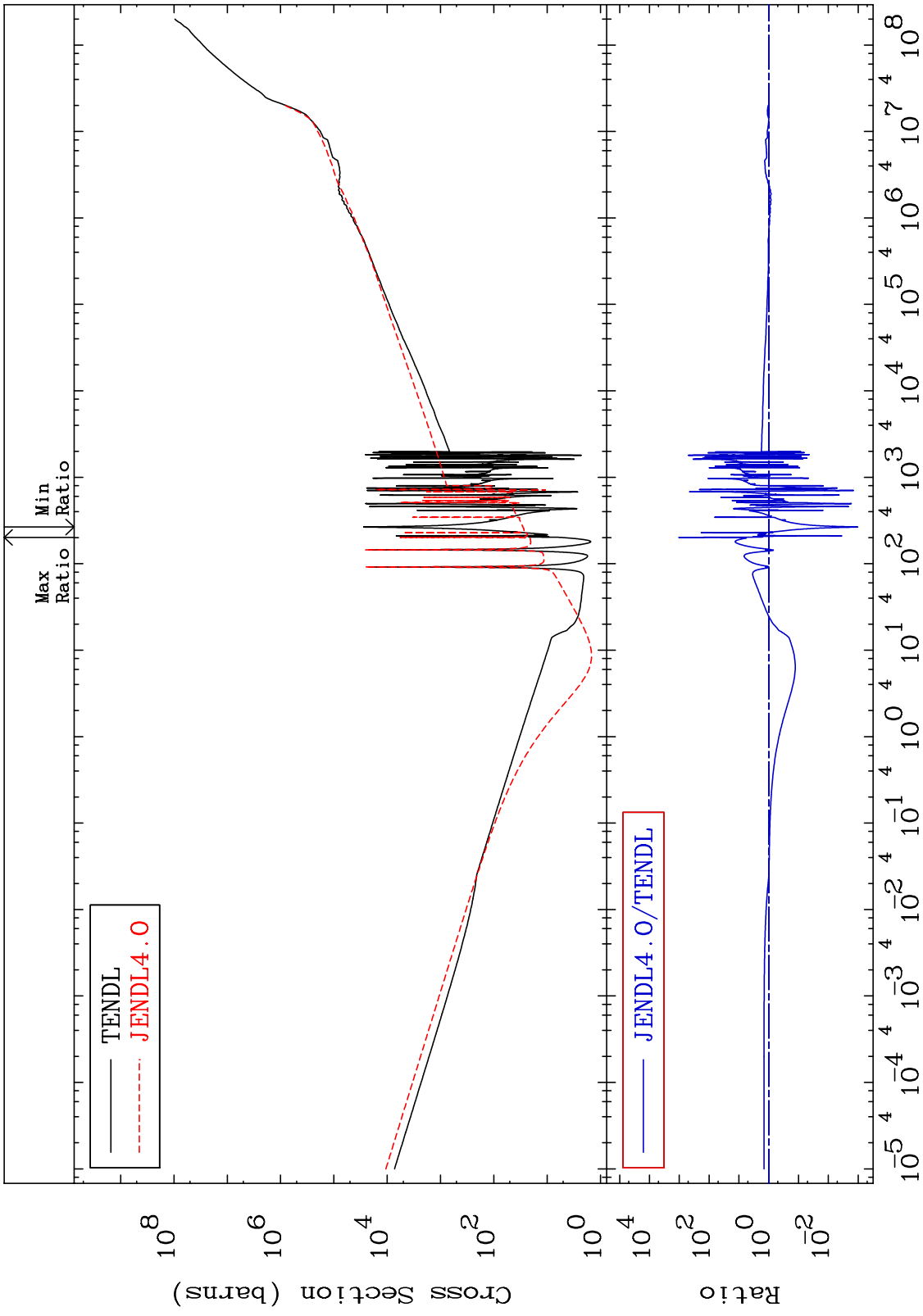
MAT 7643 Kerma capture (mt102) 76-Os-190
 -100.0 To 9999. %
 Cross Section



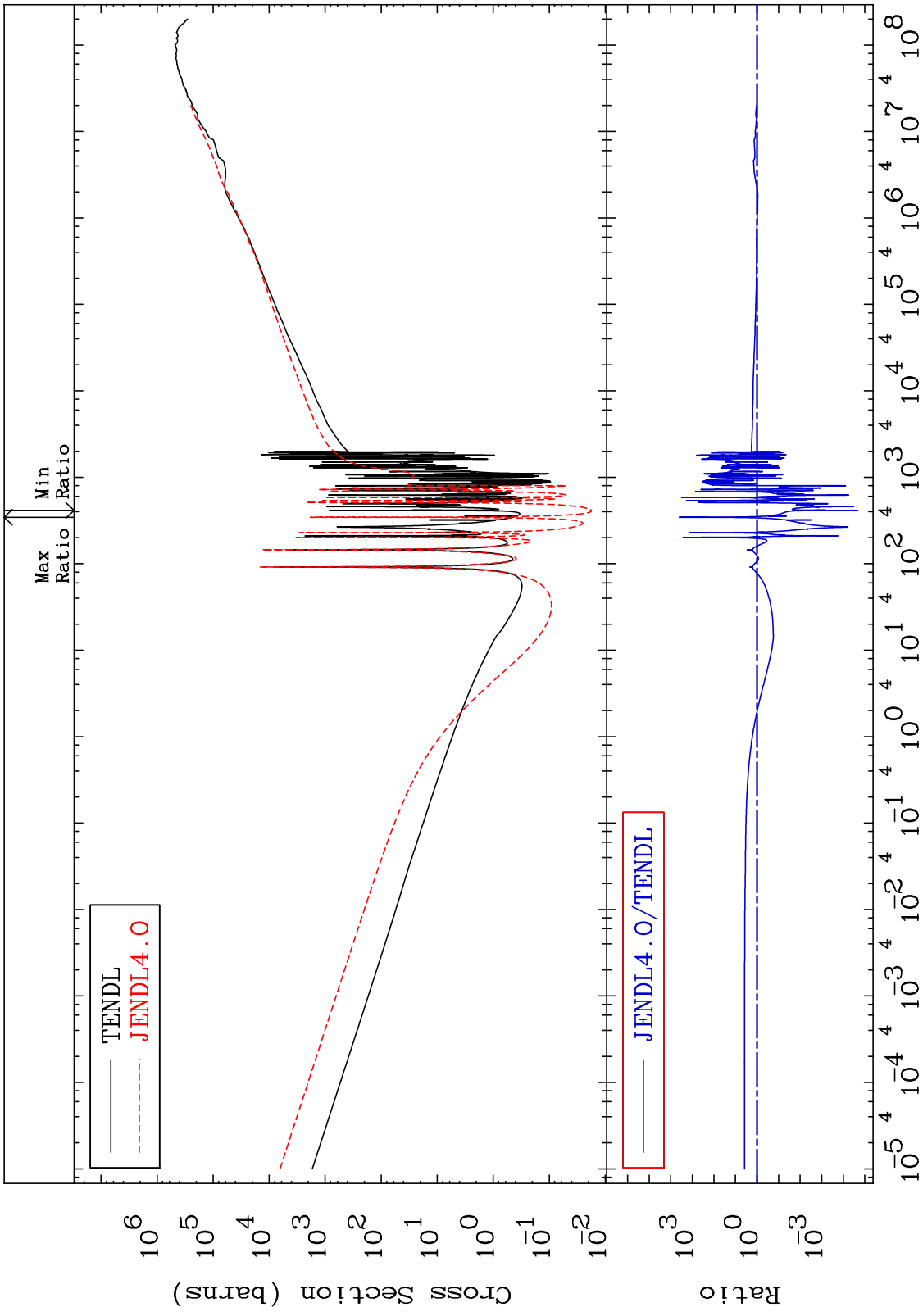
MAT 7643 Total photon (eV-barns) 76-0s-190
 Cross Section -100.0 To 9999. %



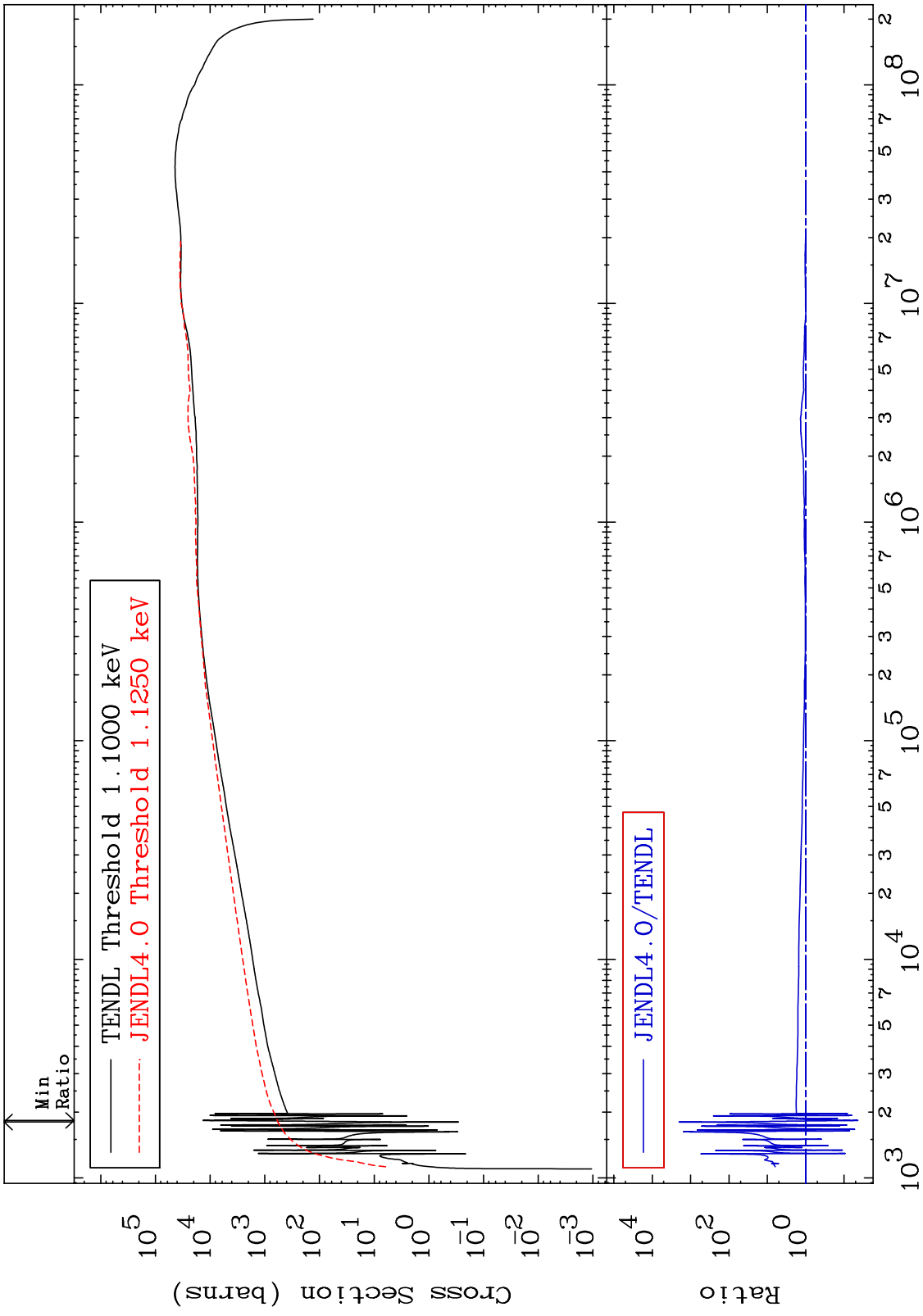
MAT 7643 Total kinematic kerma (high limit) 76-Os-190
 Cross Section -99.90 To 9999. %



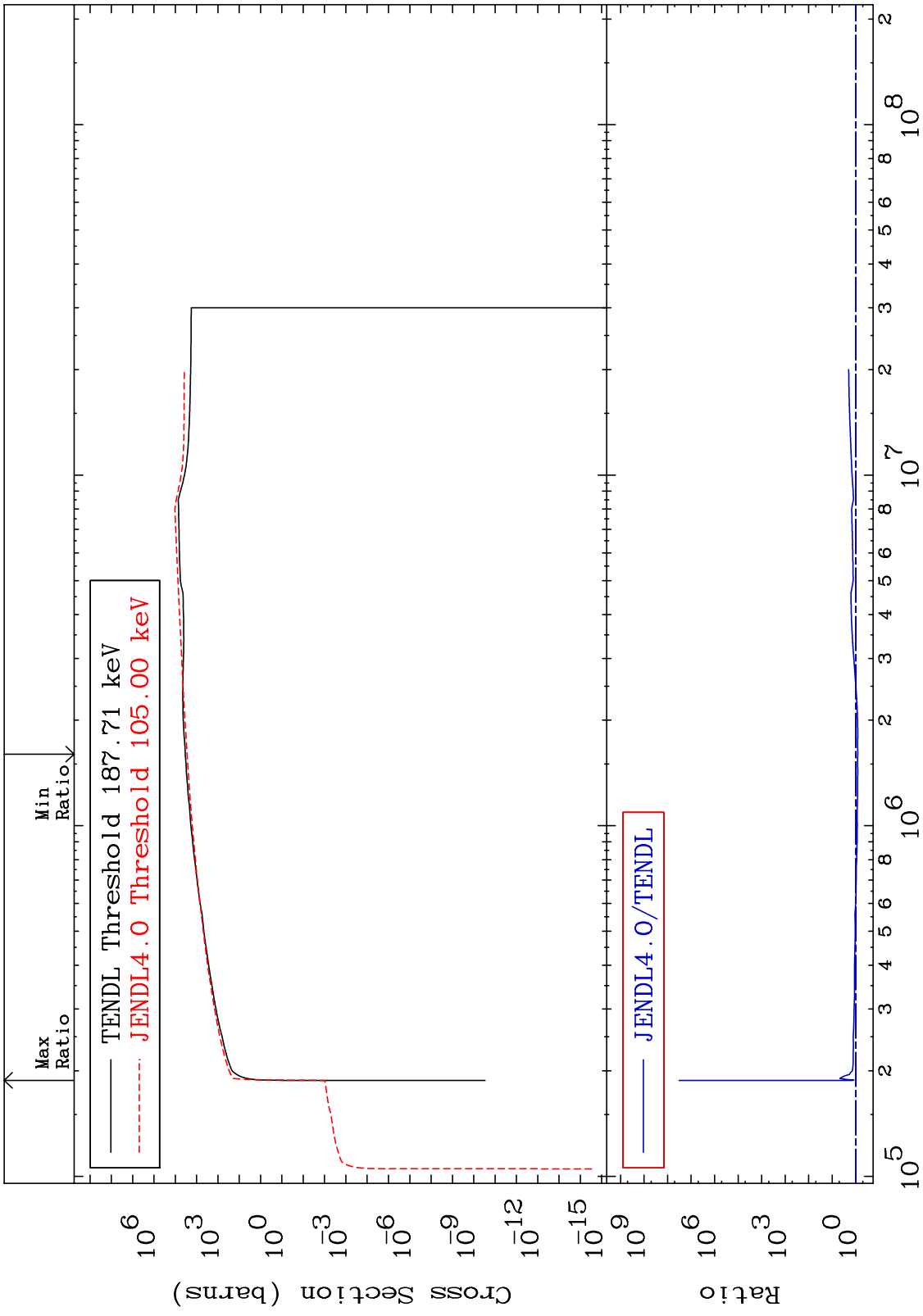
MAT 7643 Dpa total (eV-barns) 76-0s-190
 Cross Section -100.0 To 9999. %



MAT 7643 Dpa elastic (mt2) 76-Os-190
Cross Section -95.62 To 9999. %

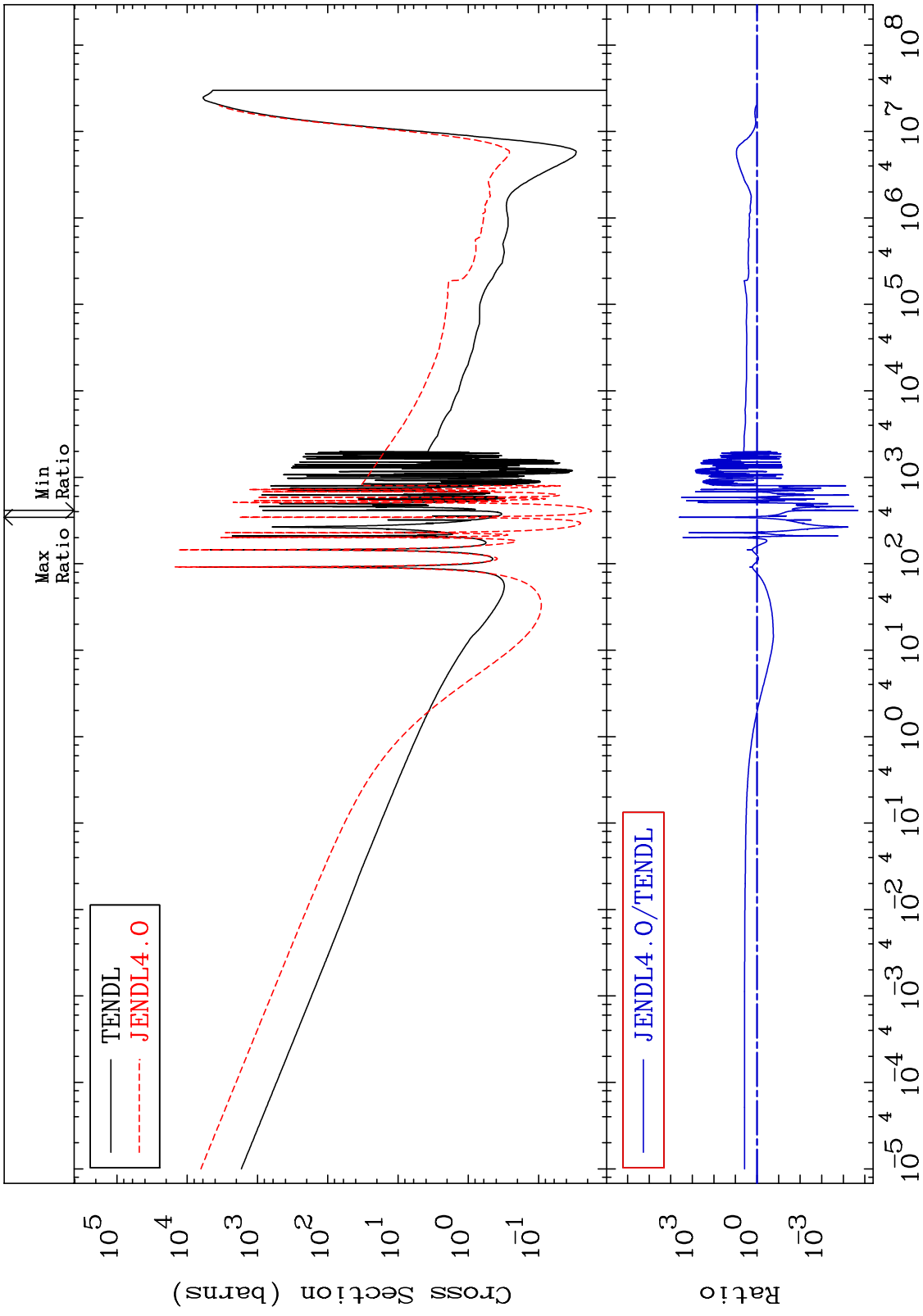


MAT 7643 Dpa inelastic (mt51-91) 76-Os-190
 Cross Section -18.67 To 9999. %

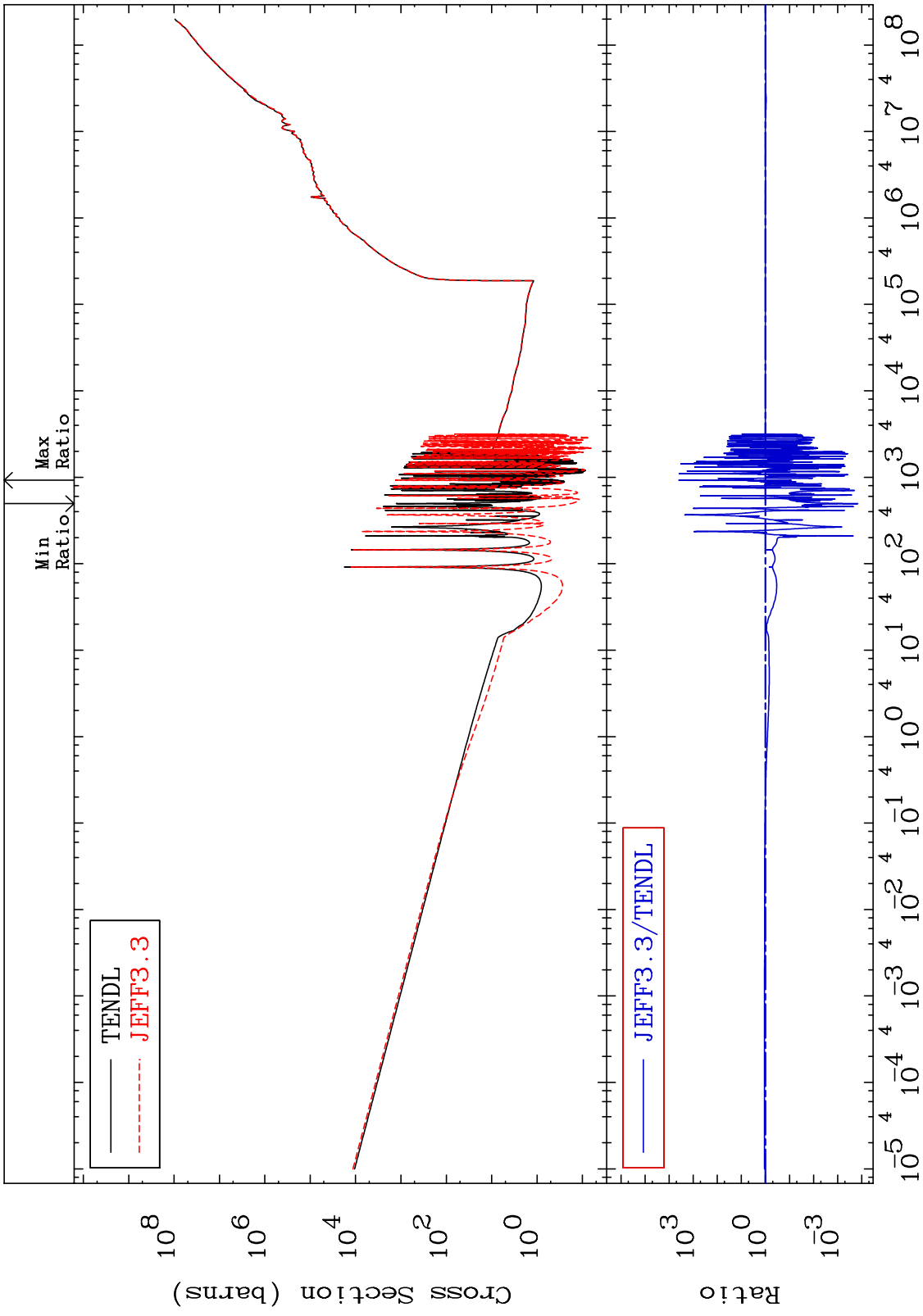


62 Incident Energy (eV) 76-Os-190

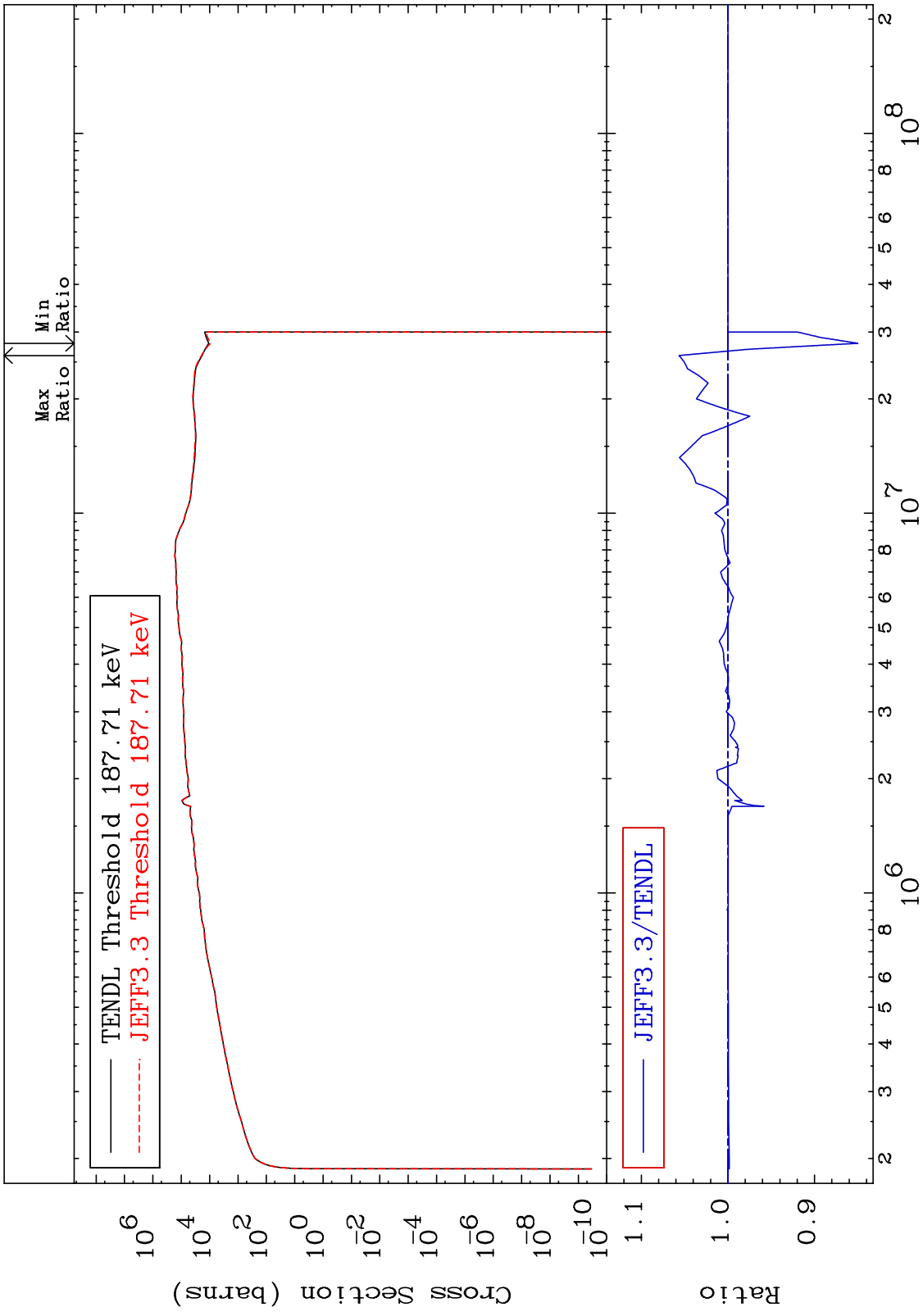
MAT 7643 Dpa disappearance (mt102 -120) 76-0s-190
 Cross Section -100.0 To 9999. %



MAT 7643 Kerma non-elastic (all but mt2) 76-Os-190
 -99.99 To 9999. %
 Cross Section



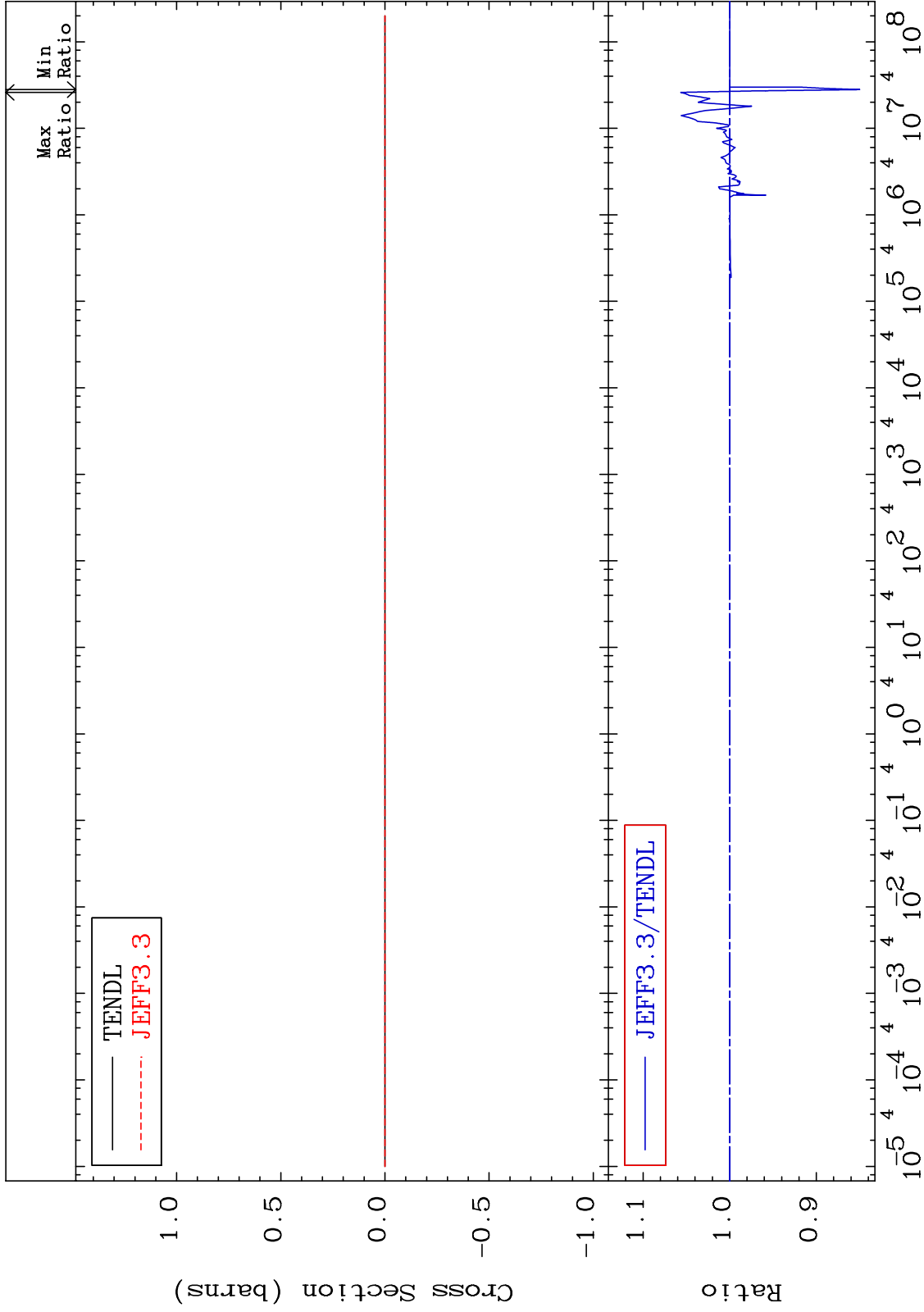
MAT 7643 Kerma inelastic (mt51-91) 76-Os-190
 -15.00 To 5.640 %



MAT 7643

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

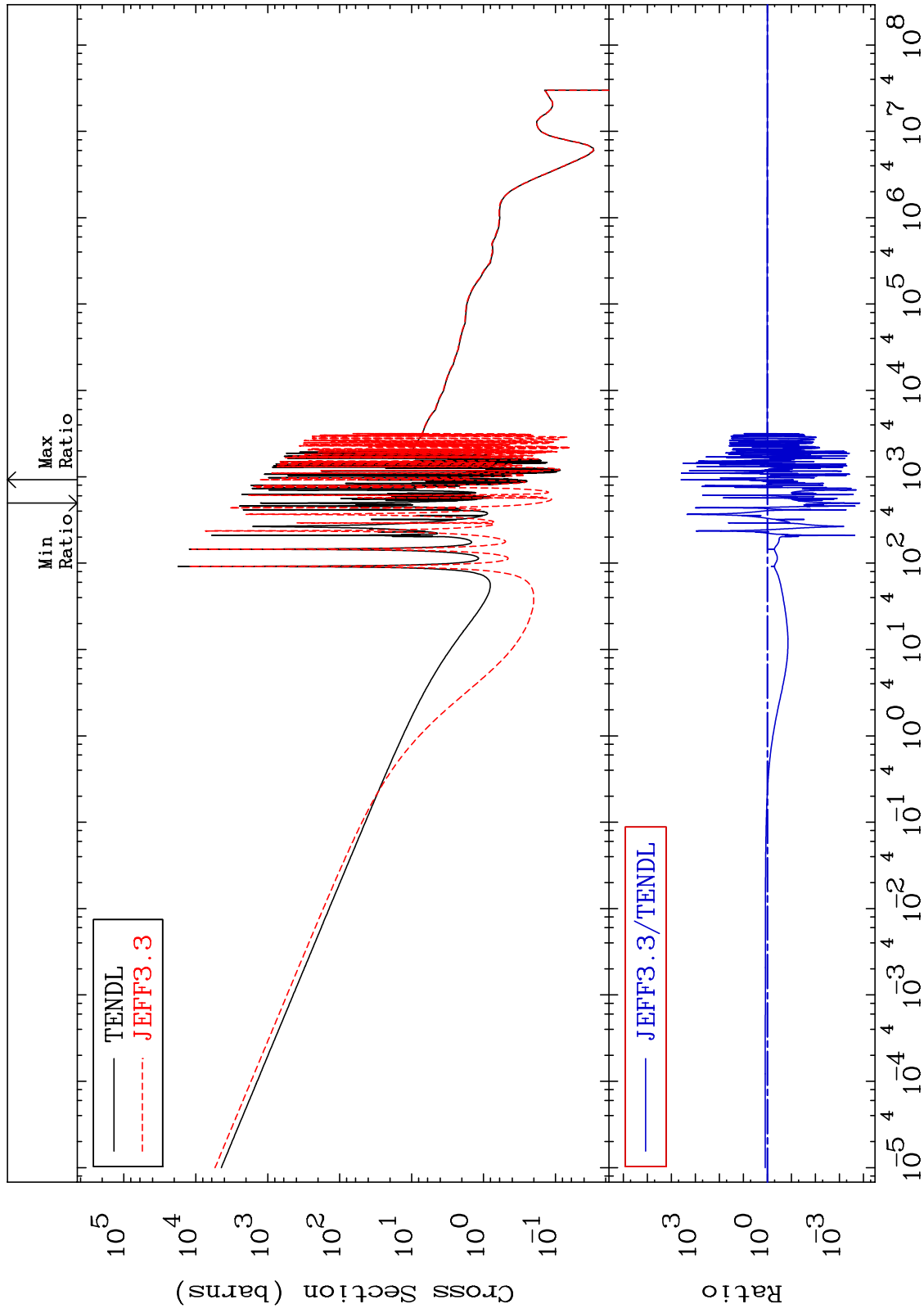
76-0s-190
-15.00 To 5.640 %



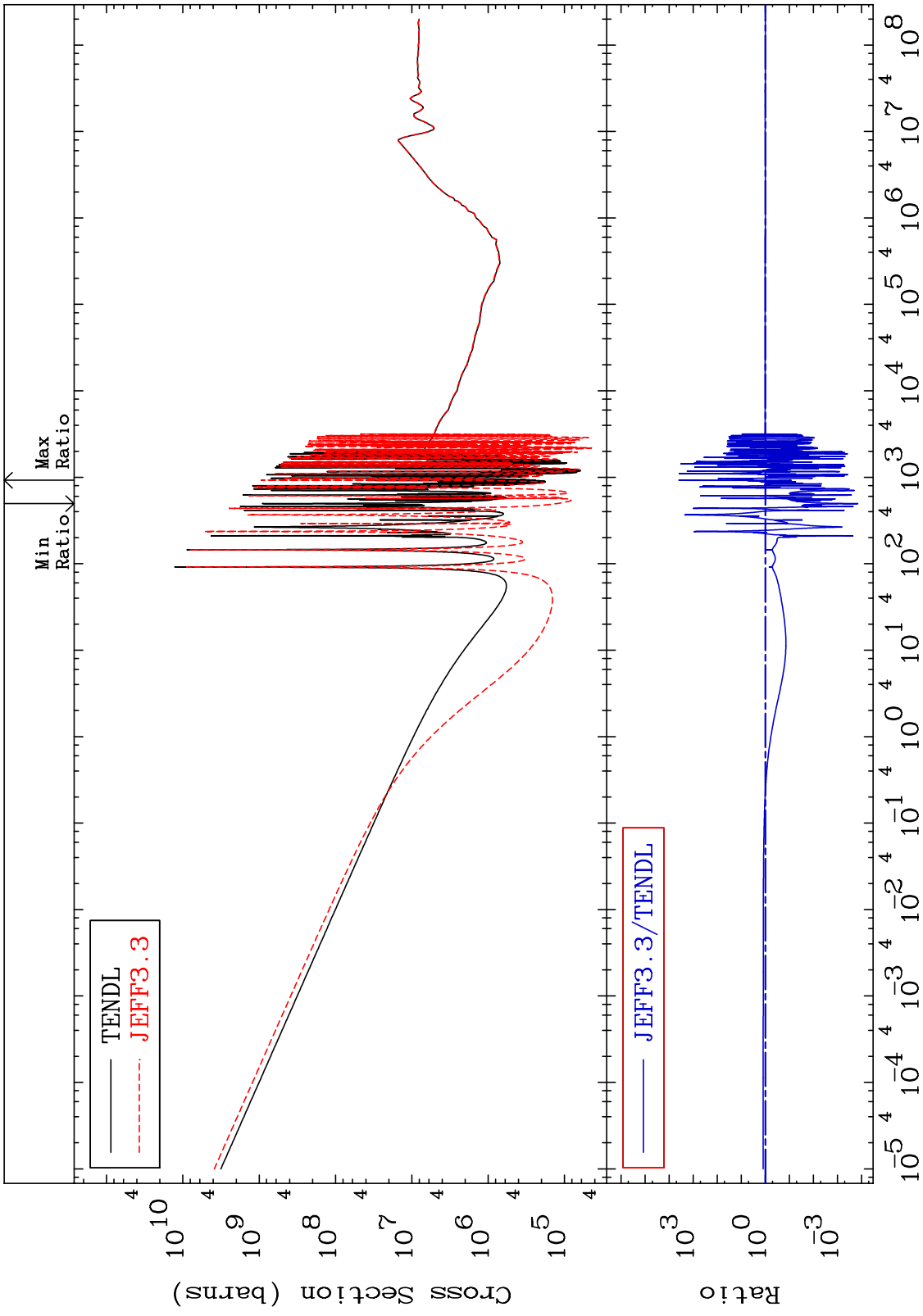
MAT 7643

Kerma capture (mt102)
Cross Section

76-0s-190
-99.99 To 9999. %

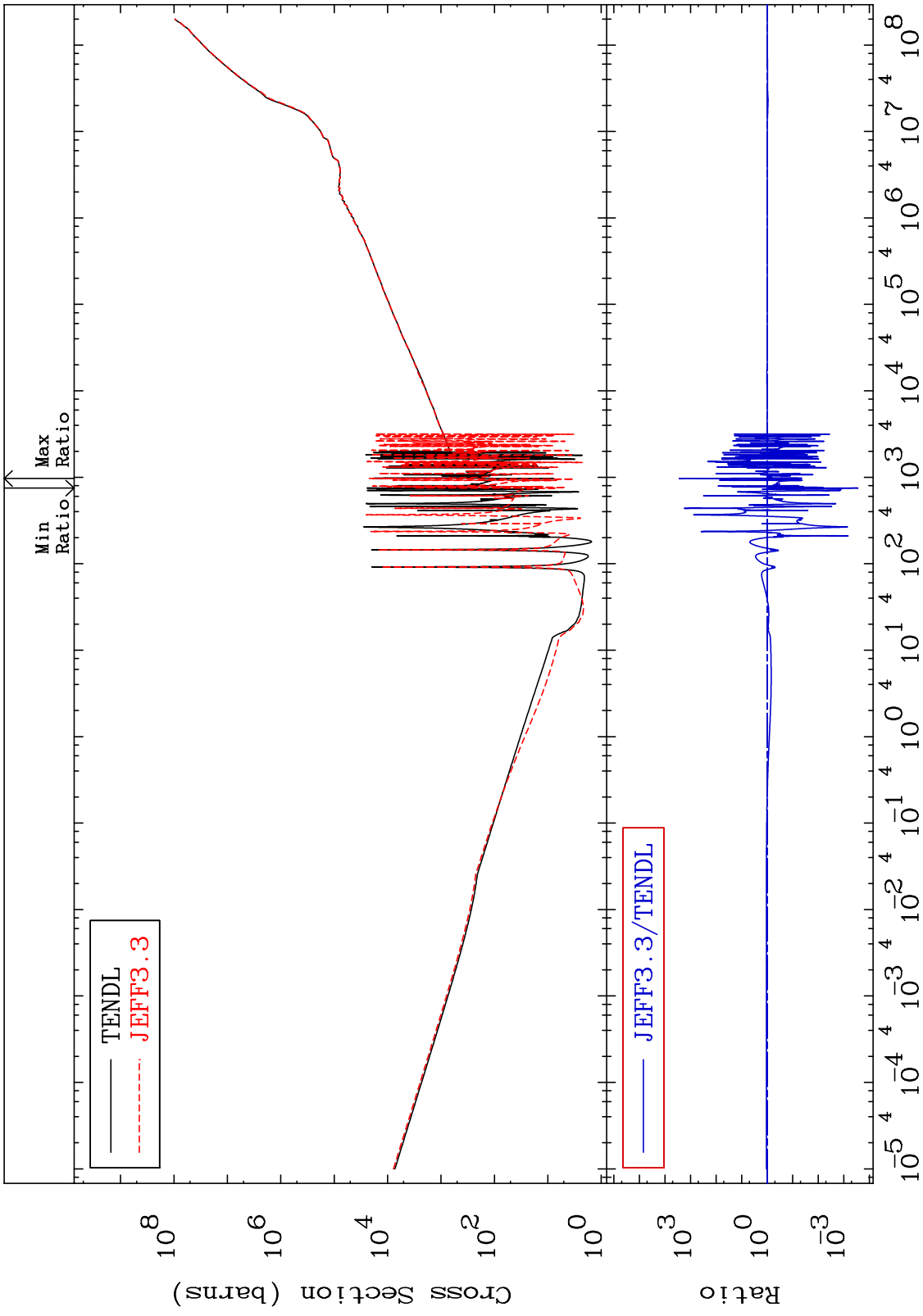


MAT 7643 76-Os-190
-99.99 To 9999. %
 Total photon (eV-barns)
 Cross Section

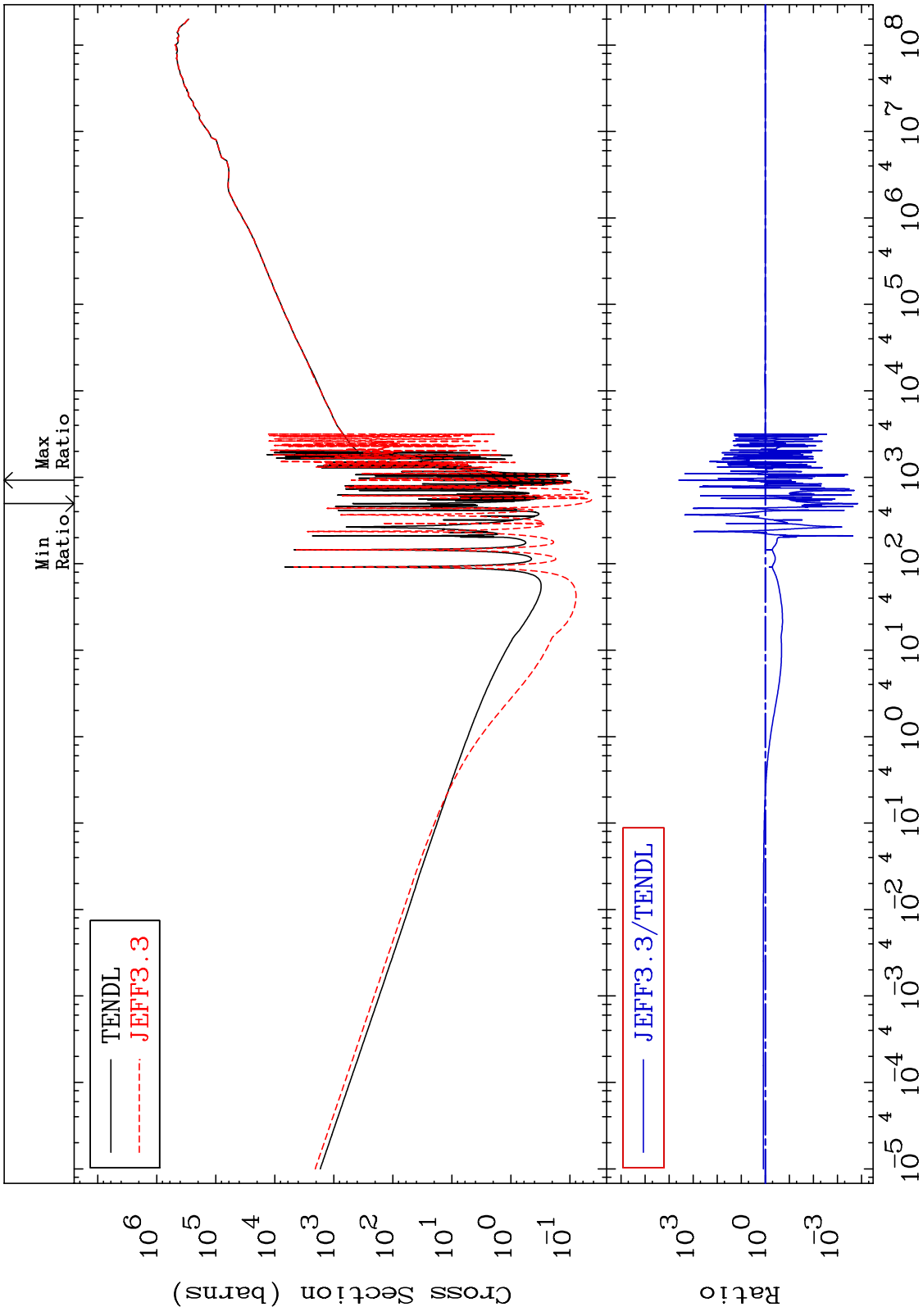


68 76-Os-190
 Incident Energy (eV)

MAT 7643 Total kinematic kerma (high limit) 76-Os-190
 Cross Section -99.97 To 9999. %



MAT 7643 Dpa total (eV-barns) 76-0s-190
 Cross Section -99.99 To 9999. %

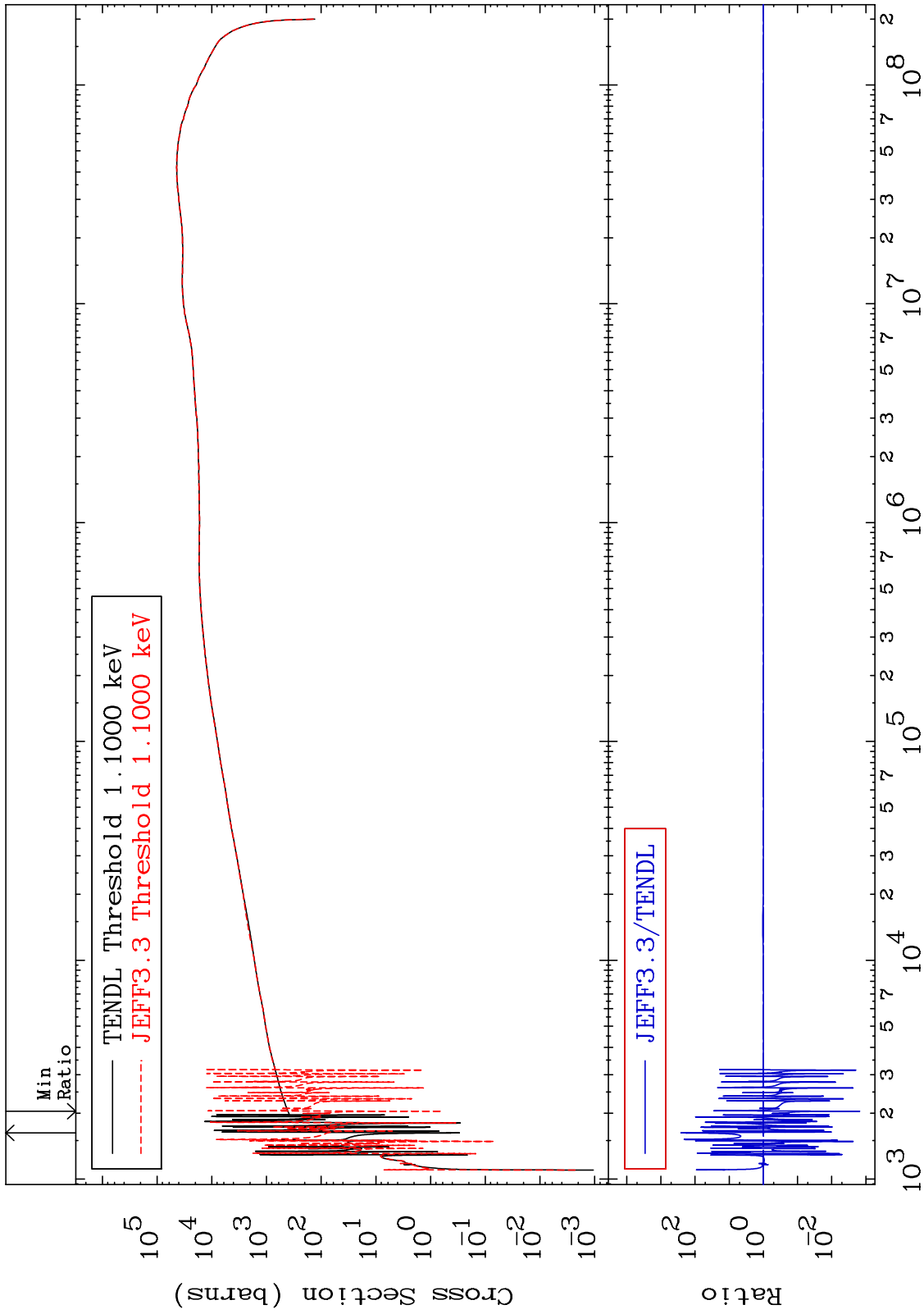


76-0s-190

MAT 7643

Dpa elastic (mt2)
Cross Section

76-Os-190
-99.85 To 9999. %

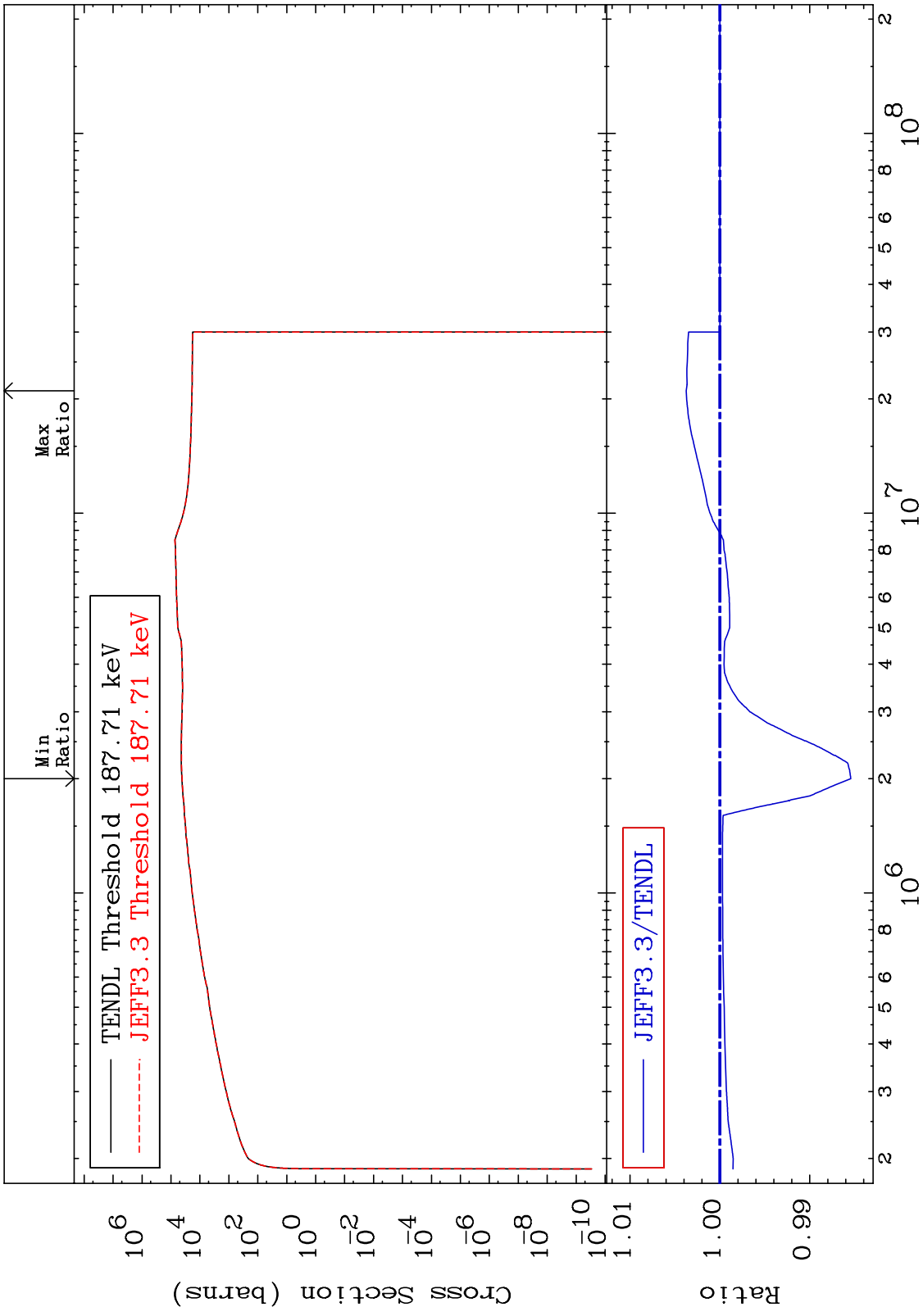


71

Incident Energy (eV)

76-Os-190

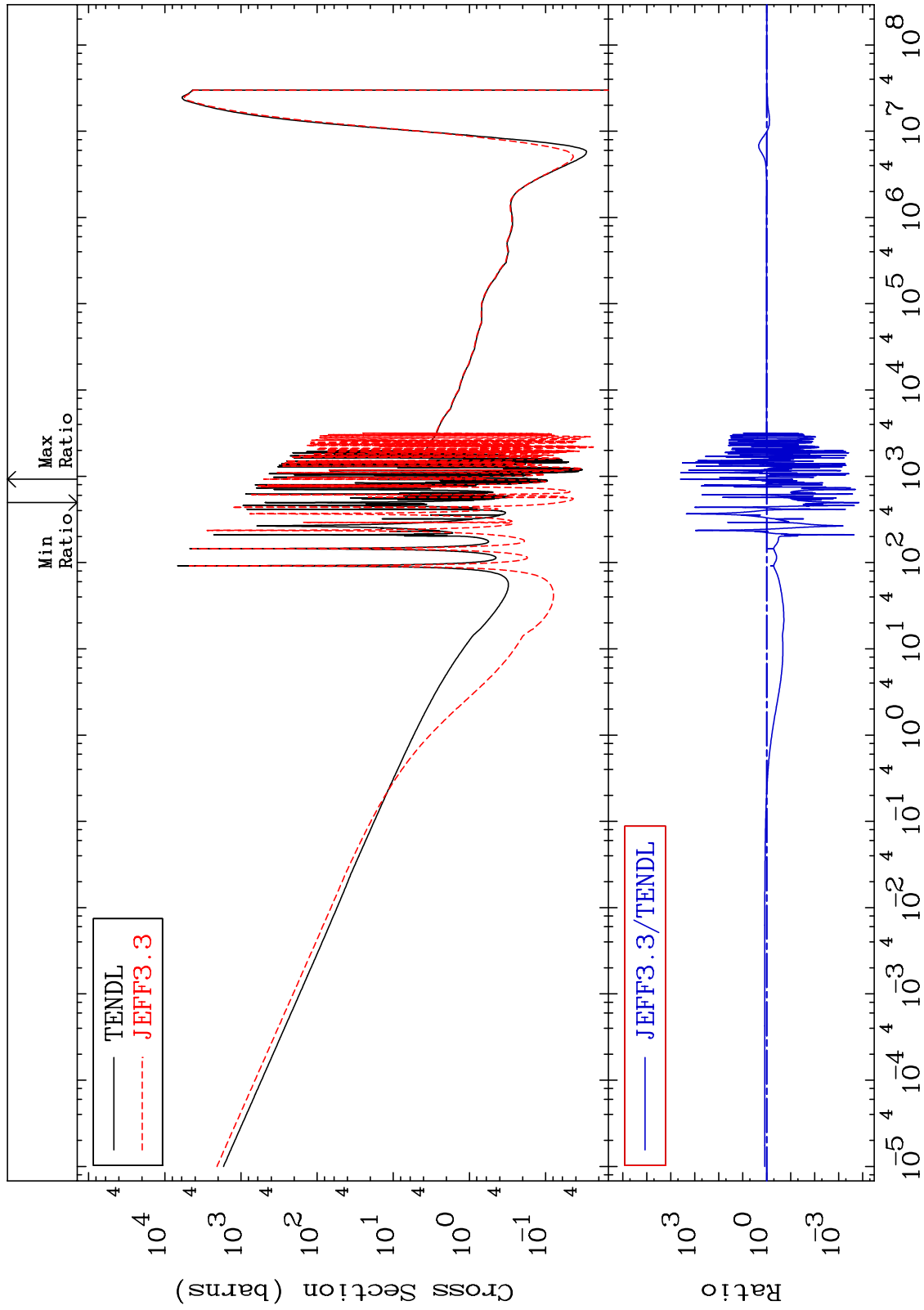
MAT 7643 Dpa inelastic (mt51-91) 76-Os-190
 Cross Section -1.456 To 0.376 %



MAT 7643

Dpa disappearance (mt102 -120)
Cross Section

76-0s-190
-99.99 To 9999. %

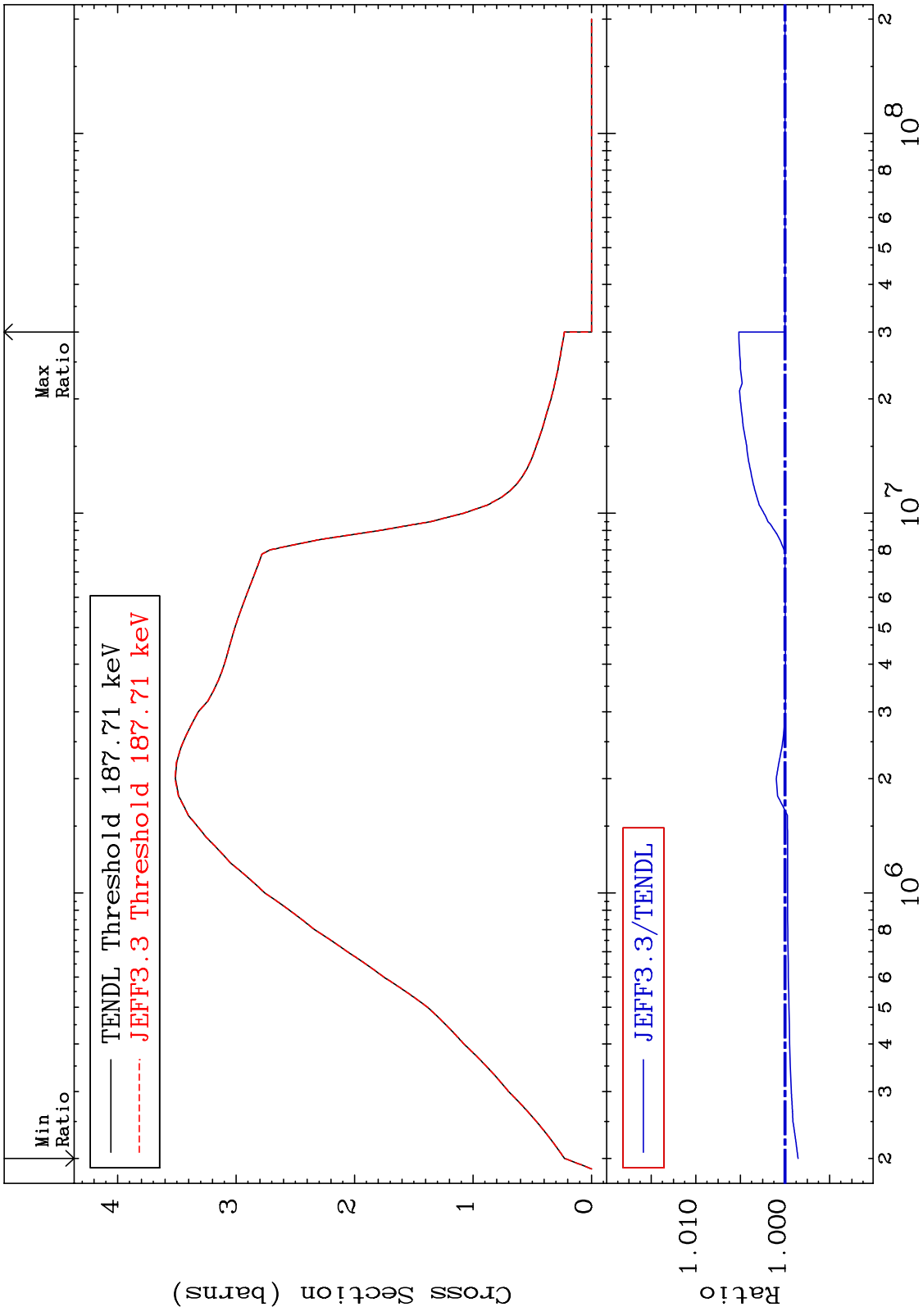


73

Incident Energy (eV)

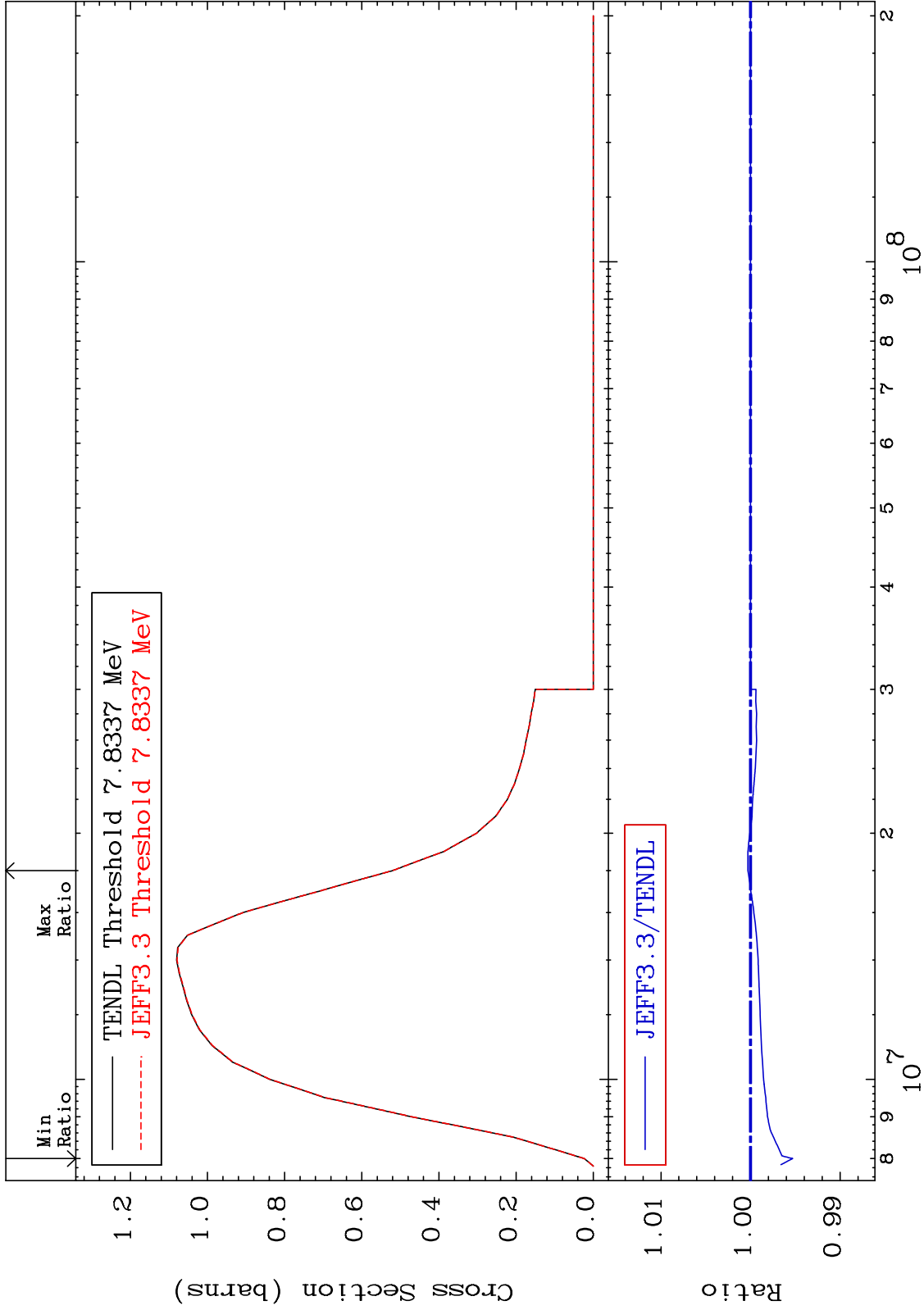
76-0s-190

MAT 7643 Inelastic: 76-0s-190g 76-0s-190
 Radionuclide Production Cross Section -0.146 To 0.517 %



MAT 7643

(n,2n):76-0s-189g 76-0s-190
Radionuclide Production Cross Section -0.469 To 0.030 %



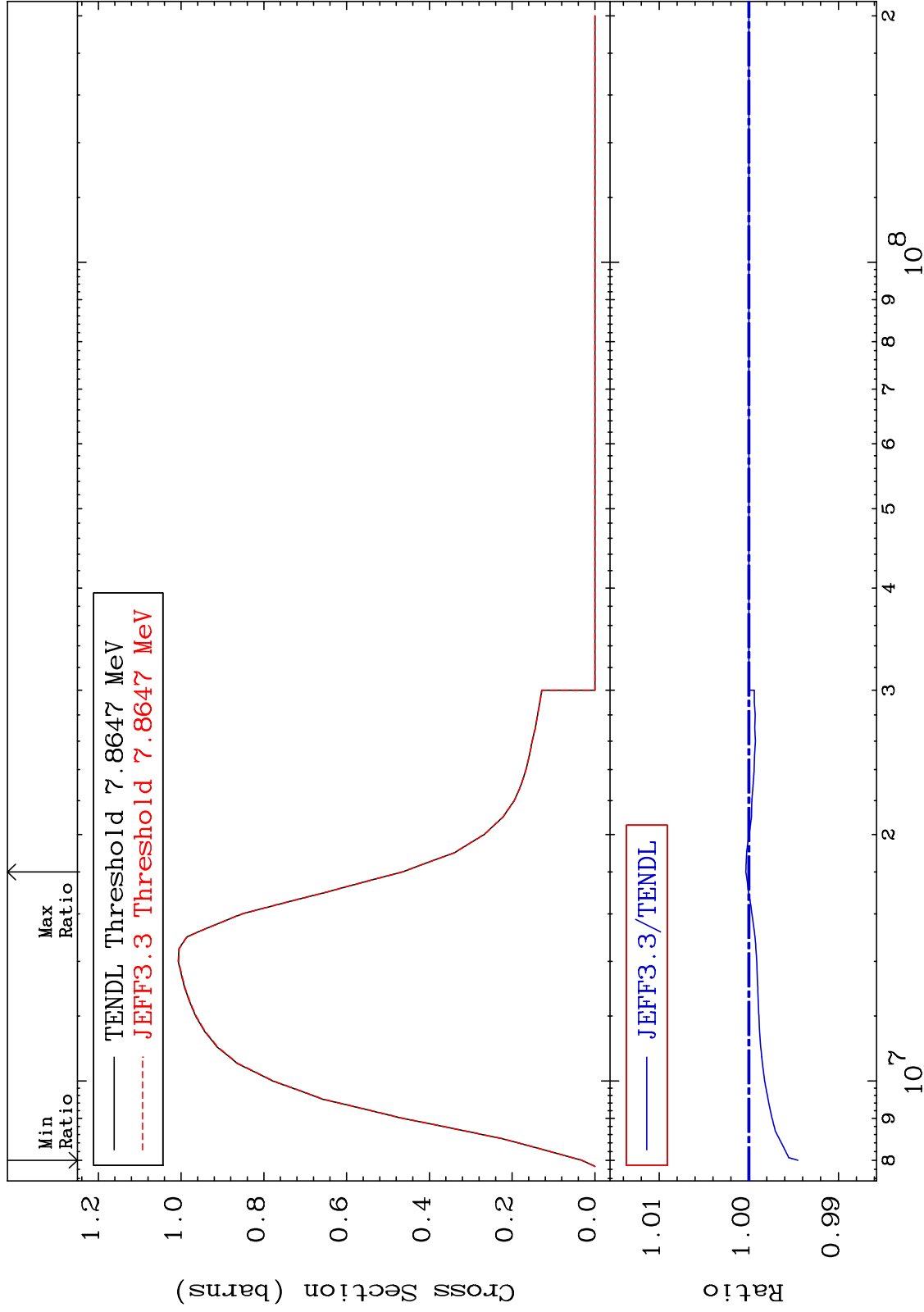
75

MAT 7643

(n,2n):76-0s-189m1

76-0s-190

Radionuclide Production Cross Section -0.547 To 0.034 %



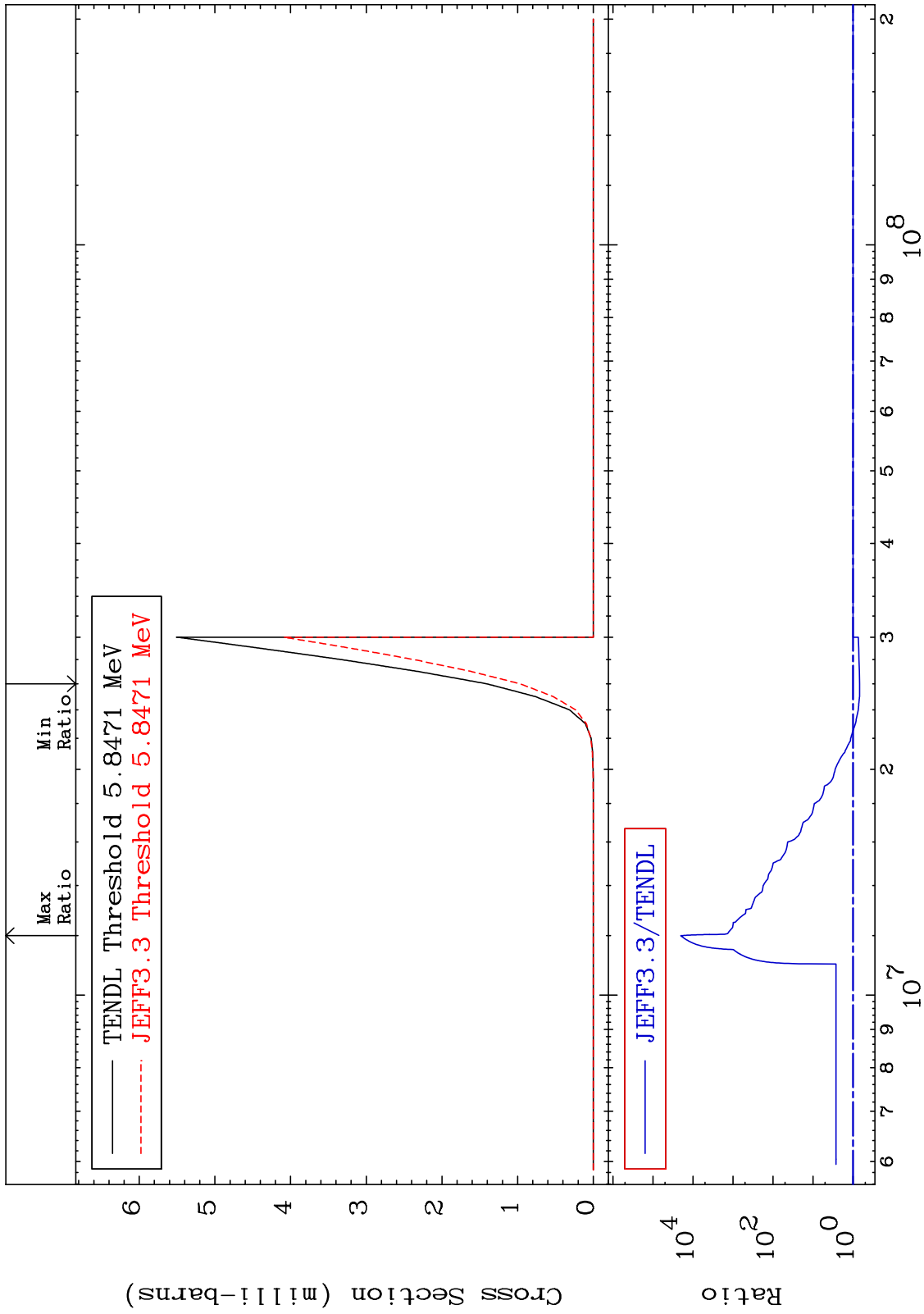
76

Incident Energy (eV)

76-0s-190

MAT 7643

(n,2n) α : 74-W -185g 76-Os-190
Radionuclide Production Cross Section -31.24 To 9999. %



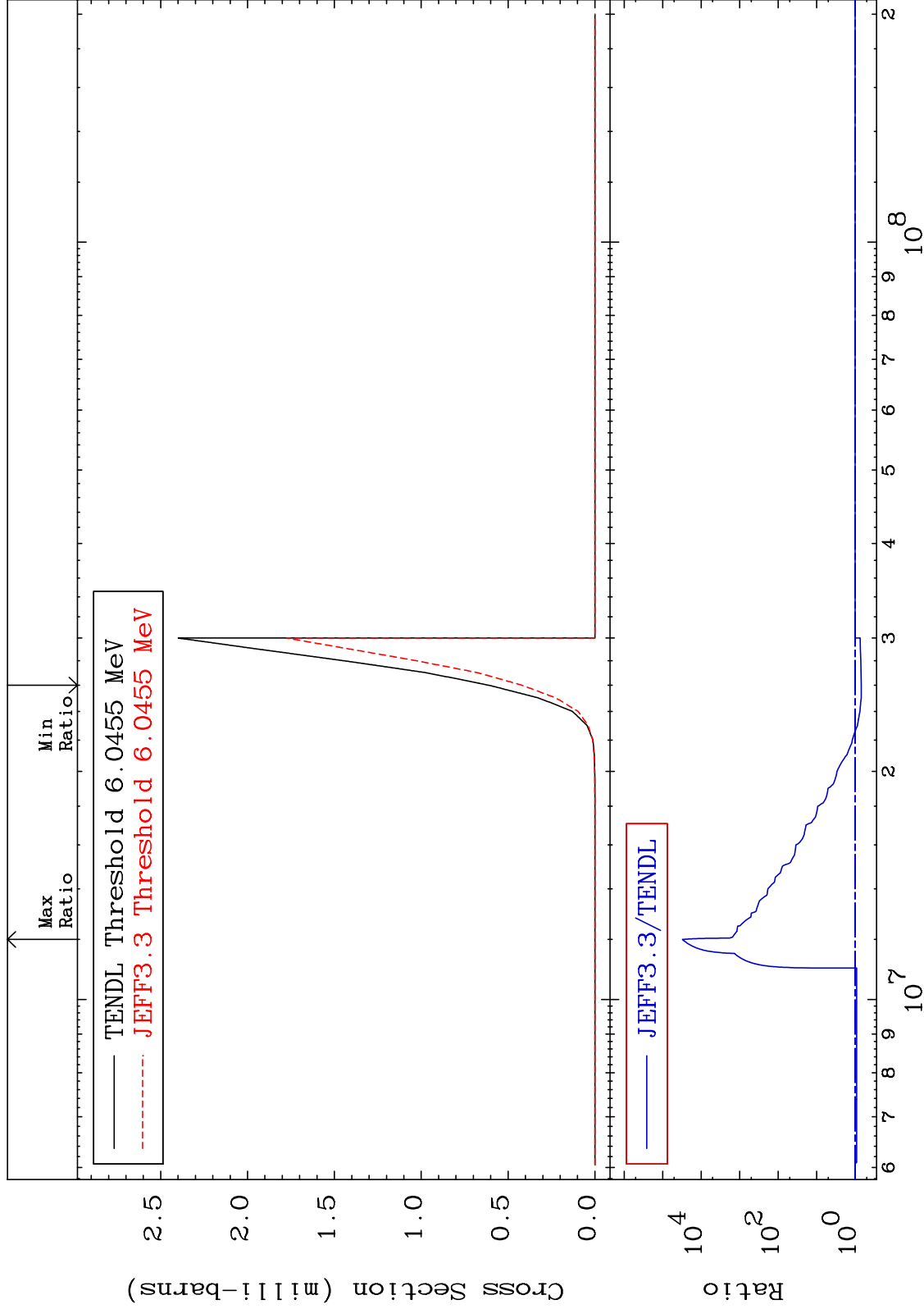
77

MAT 7643

(n,2n) α :74-W -185m6

76-0s-190

Radionuclide Production Cross Section -31.28 To 9999. %



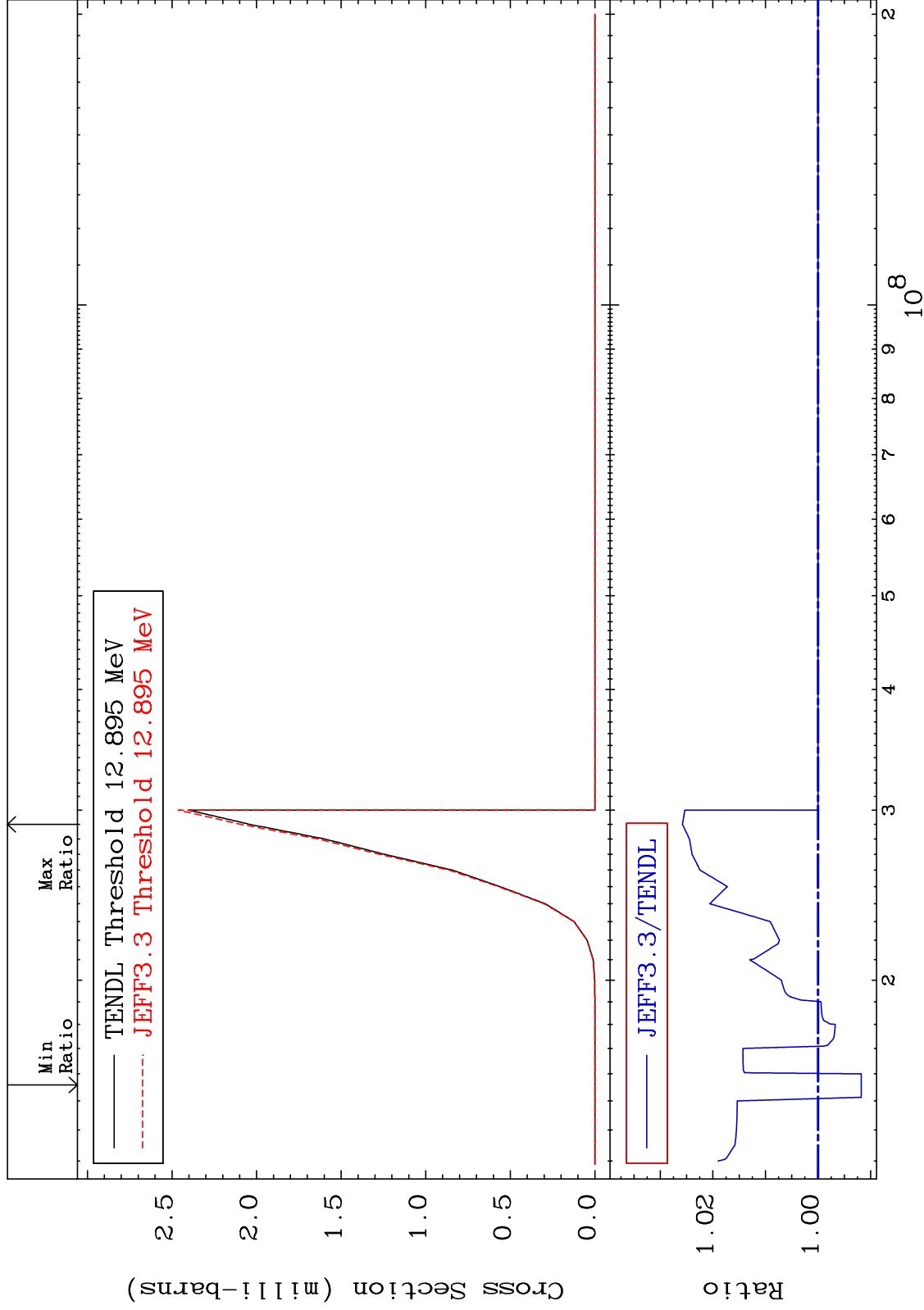
78

Incident Energy (eV)

76-0s-190

MAT 7643

(n, n') d: 75-Re-188g 76-0s-190
Radionuclide Production Cross Section -0.822 To 2.579 %



79

Incident Energy (eV)

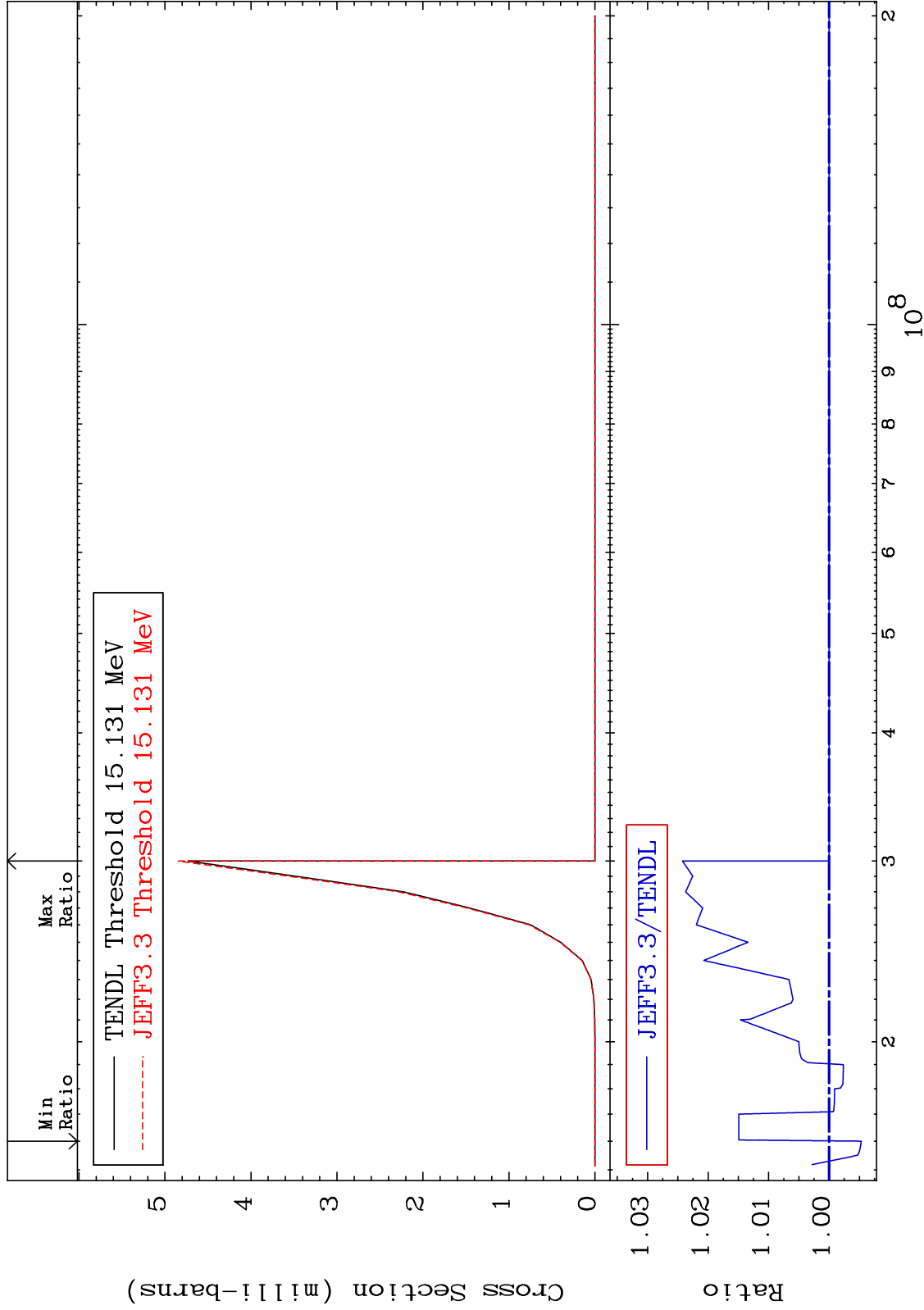
76-0s-190

MAT 7643

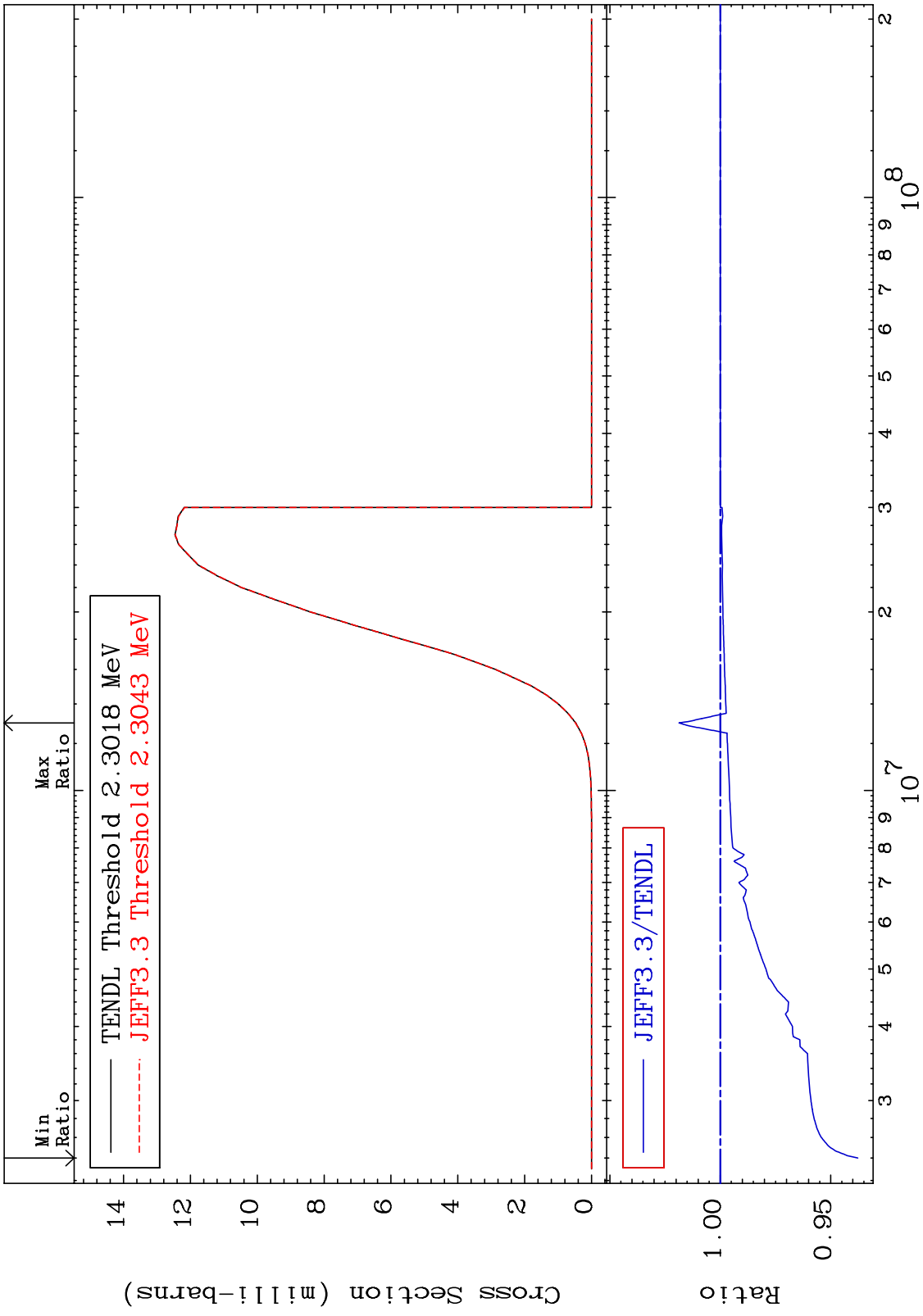
(n,2n) p:75-Re-188g

76-0s-190

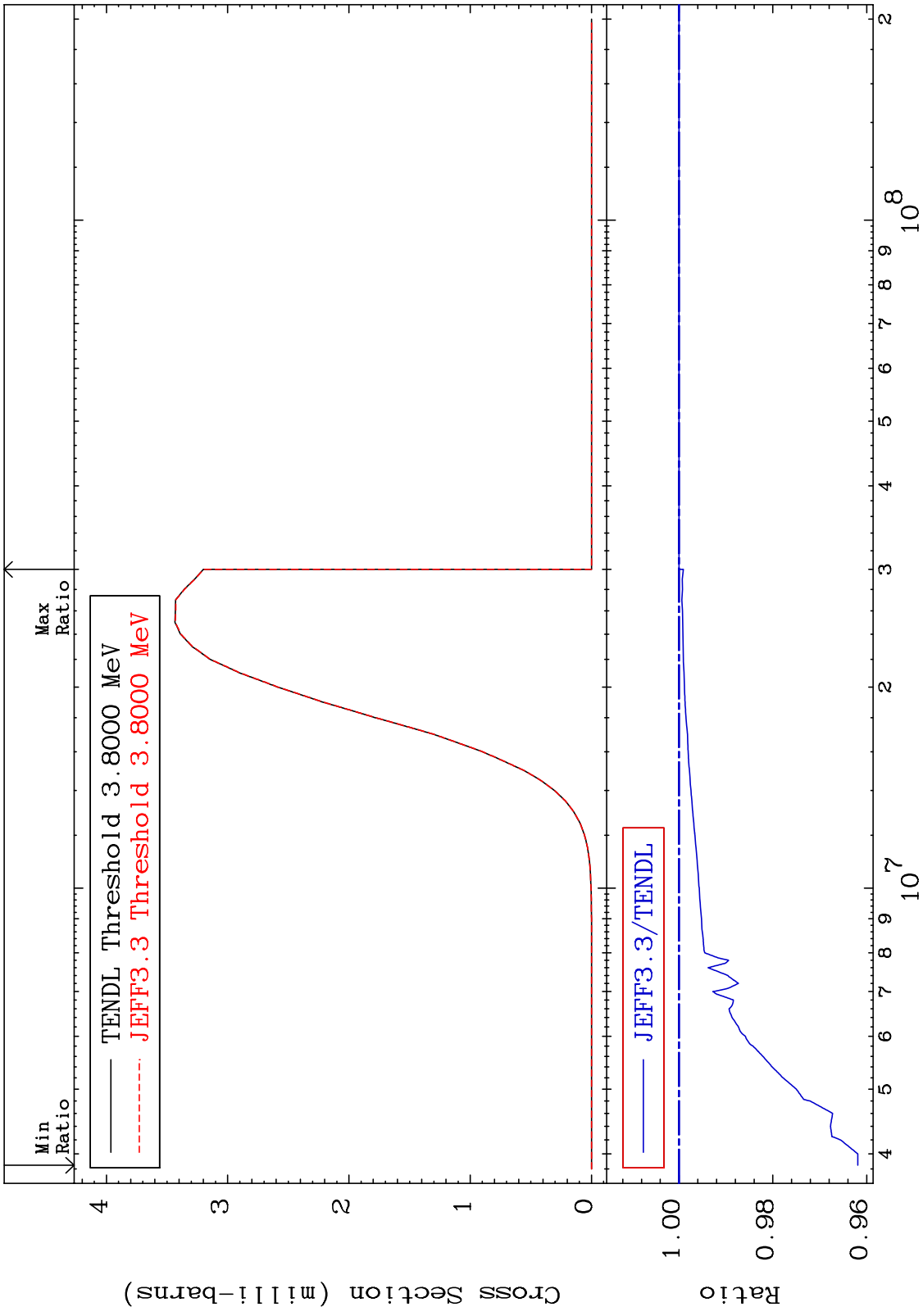
Radionuclide Production Cross Section -0.531 To 2.424 %



MAT 7643 (n,p):75-Re-190g 76-0s-190
 Radionuclide Production Cross Section -6.228 To 1.867 %



MAT 7643 (n, p) : 75-Re-190m3 76-0s-190
 Radionuclide Production Cross Section -3.812 To 0.000 %



MAT 7643 (n,t):75-Re-188g 76-Os-190
Radionuclide Production Cross Section 0.000 To 10.80 %

