

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

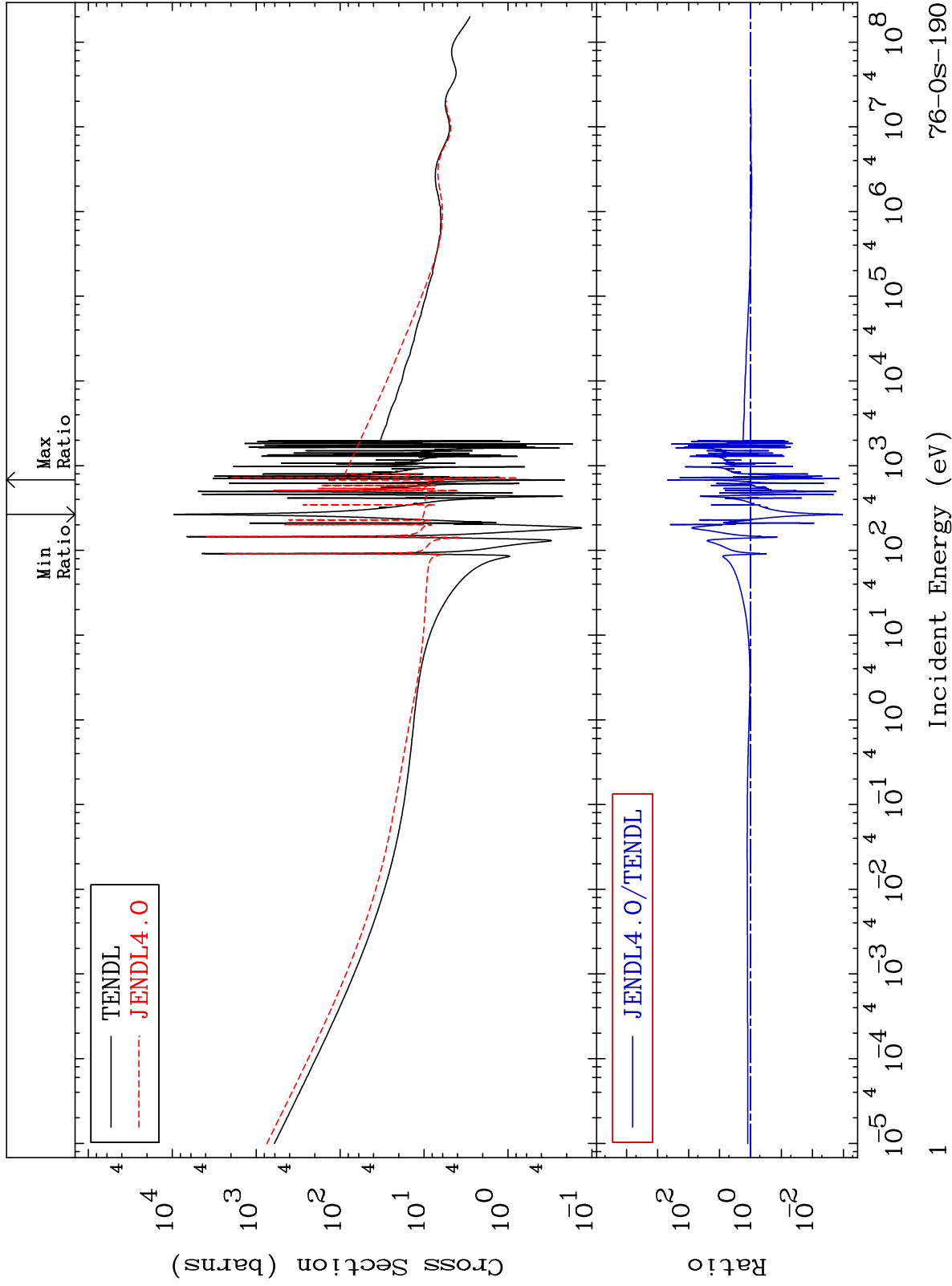
MAT 7643

Total

76-0s-190

-99.89 To 9999. %

Cross Section



Incident Energy (eV)

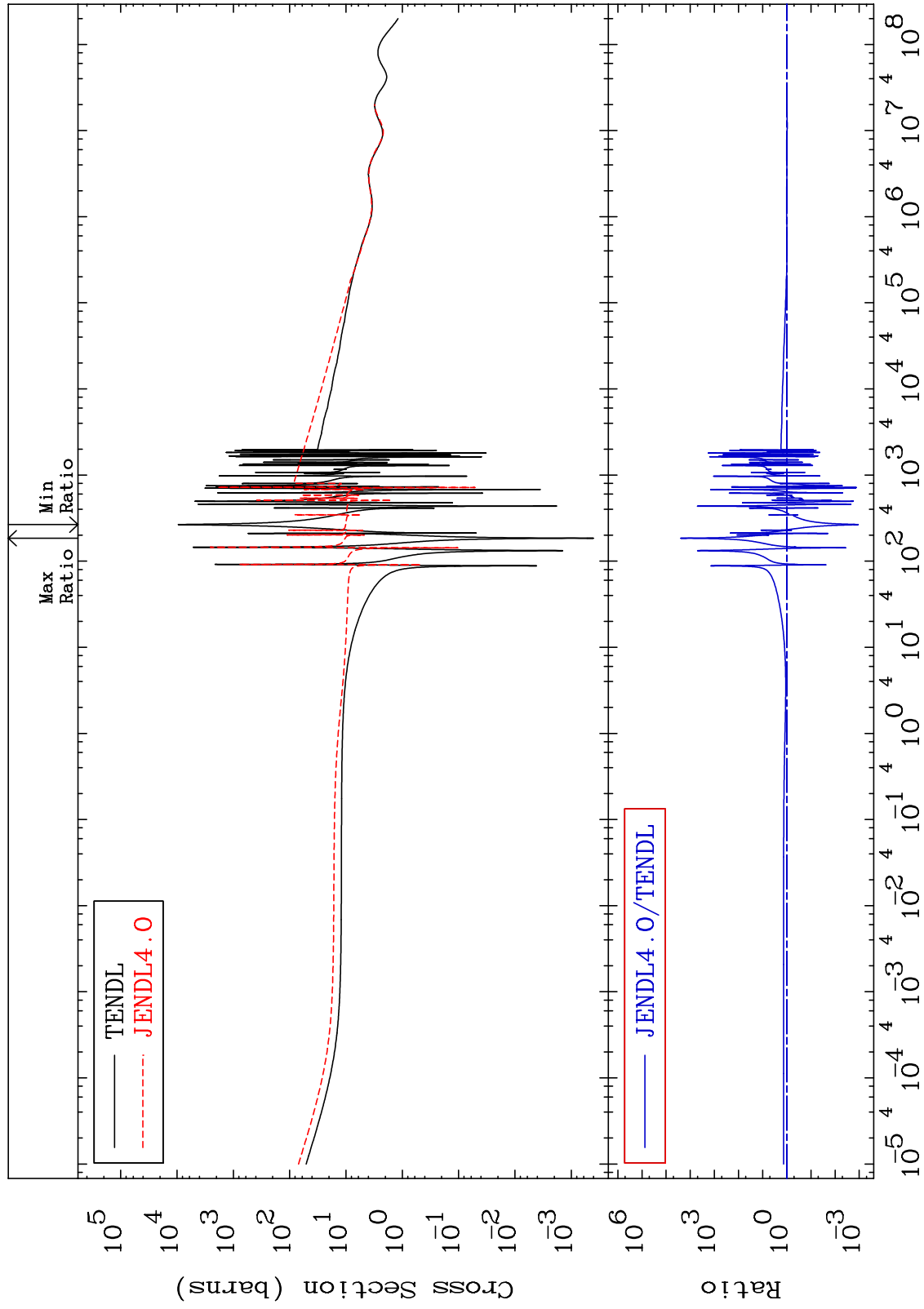
76-0s-190

1

MAT 7643

Elastic
Cross Section

76-0s-190
-99.89 To 9999. %



Cross Section (barns)
Ratio

— TENDL
- - - JENDL4.0

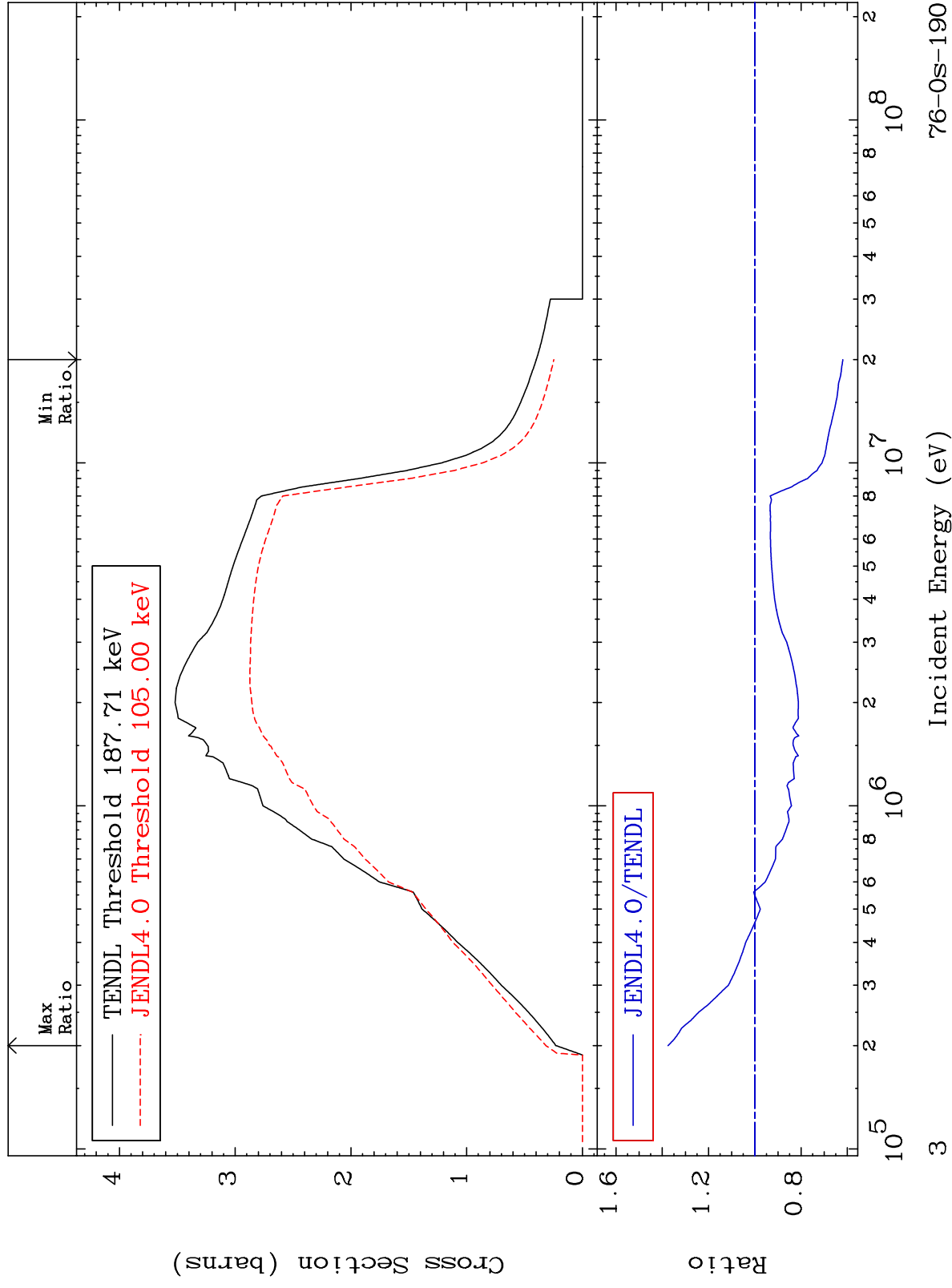
— JENDL4.0/TENDL

Incident Energy (eV) 76-0s-190

MAT 7643

Inelastic
Cross Section

76-0s-190
-38.04 To 37.51 %



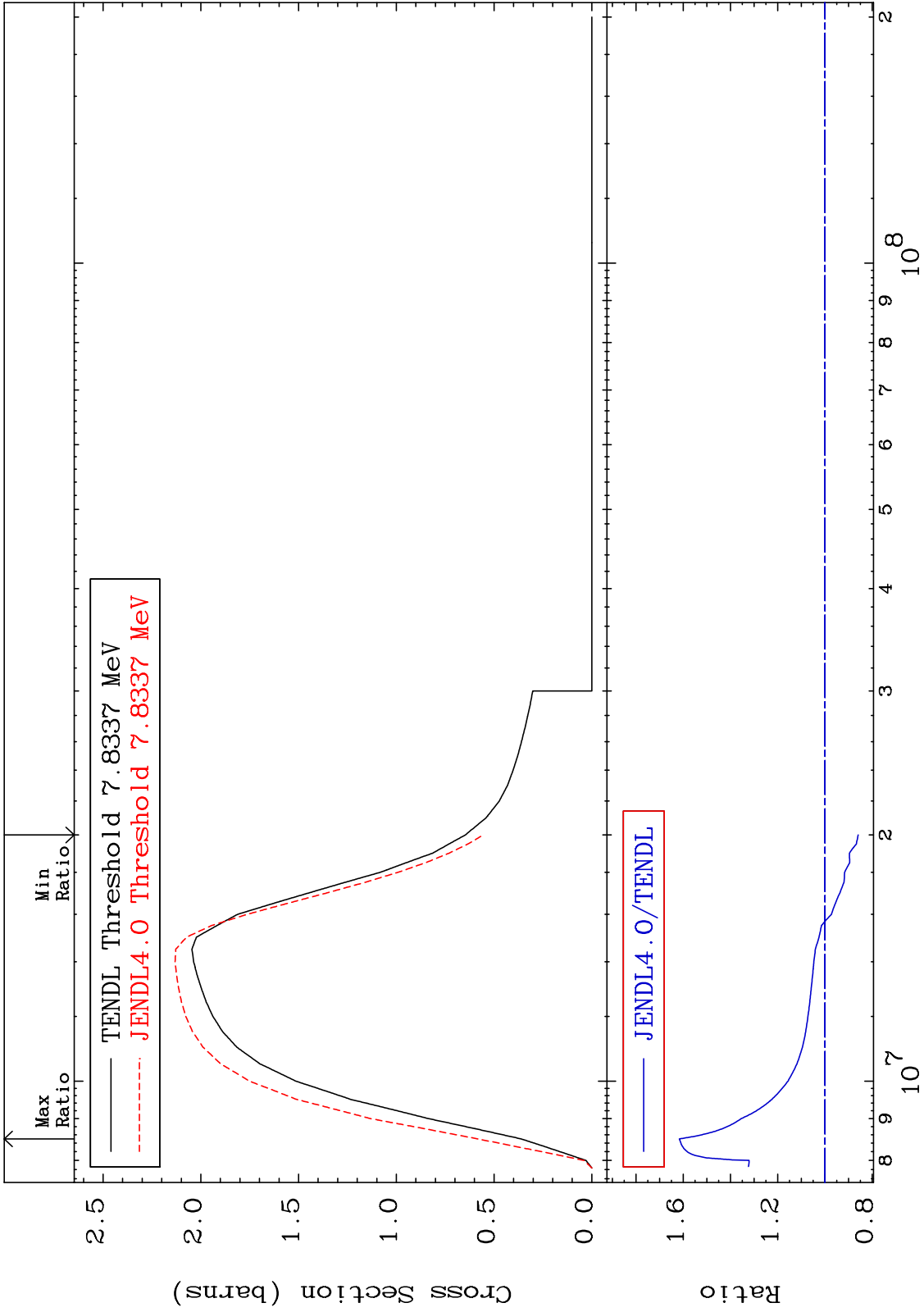
MAT 7643

(n,2n)

76-0s-190

Cross Section

-14.12 To 61.66 %



76-0s-190

Incident Energy (eV)

4

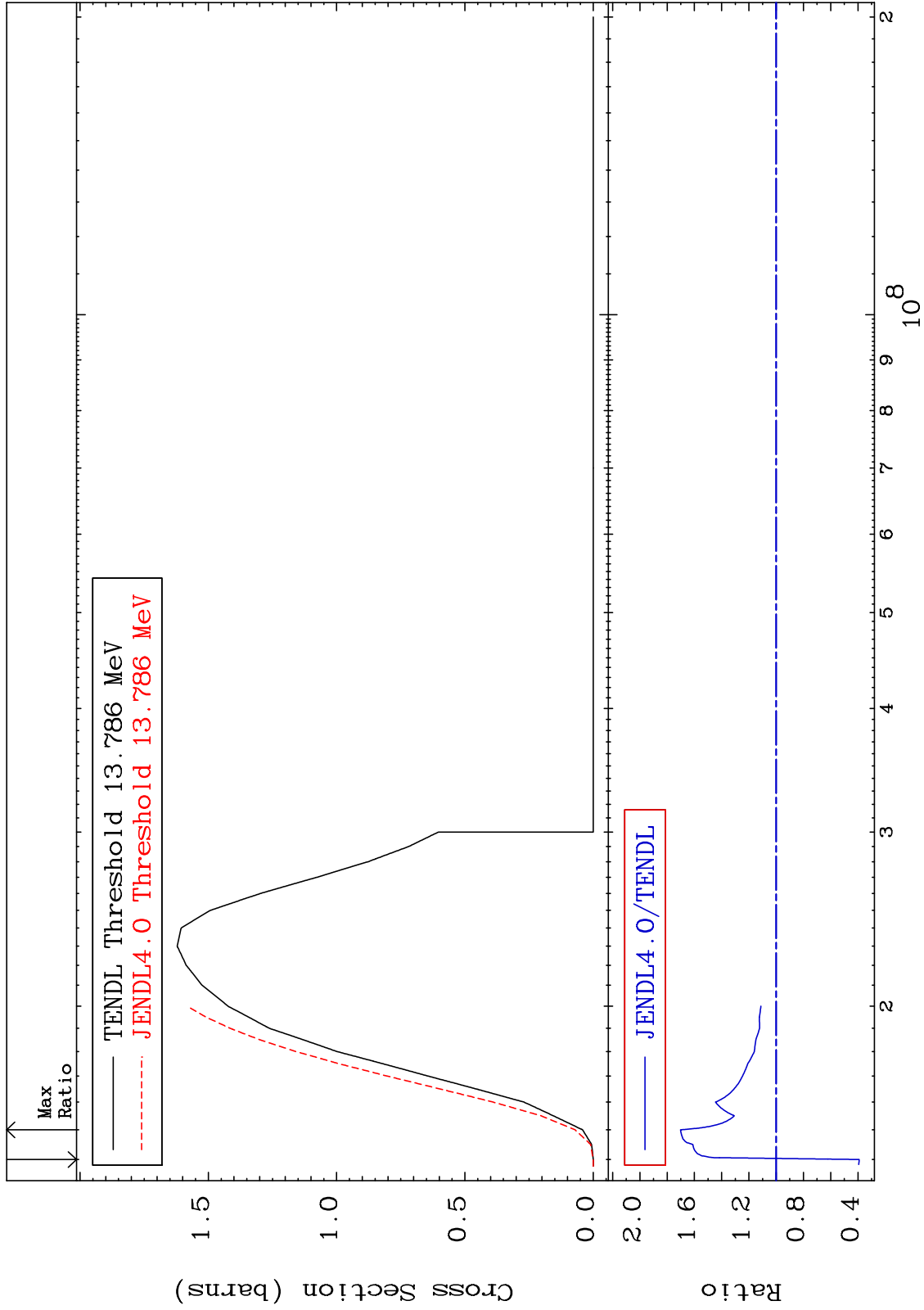
MAT 7643

(n, 3n)

76-0s-190

Cross Section

-60.91 To 70.10 %



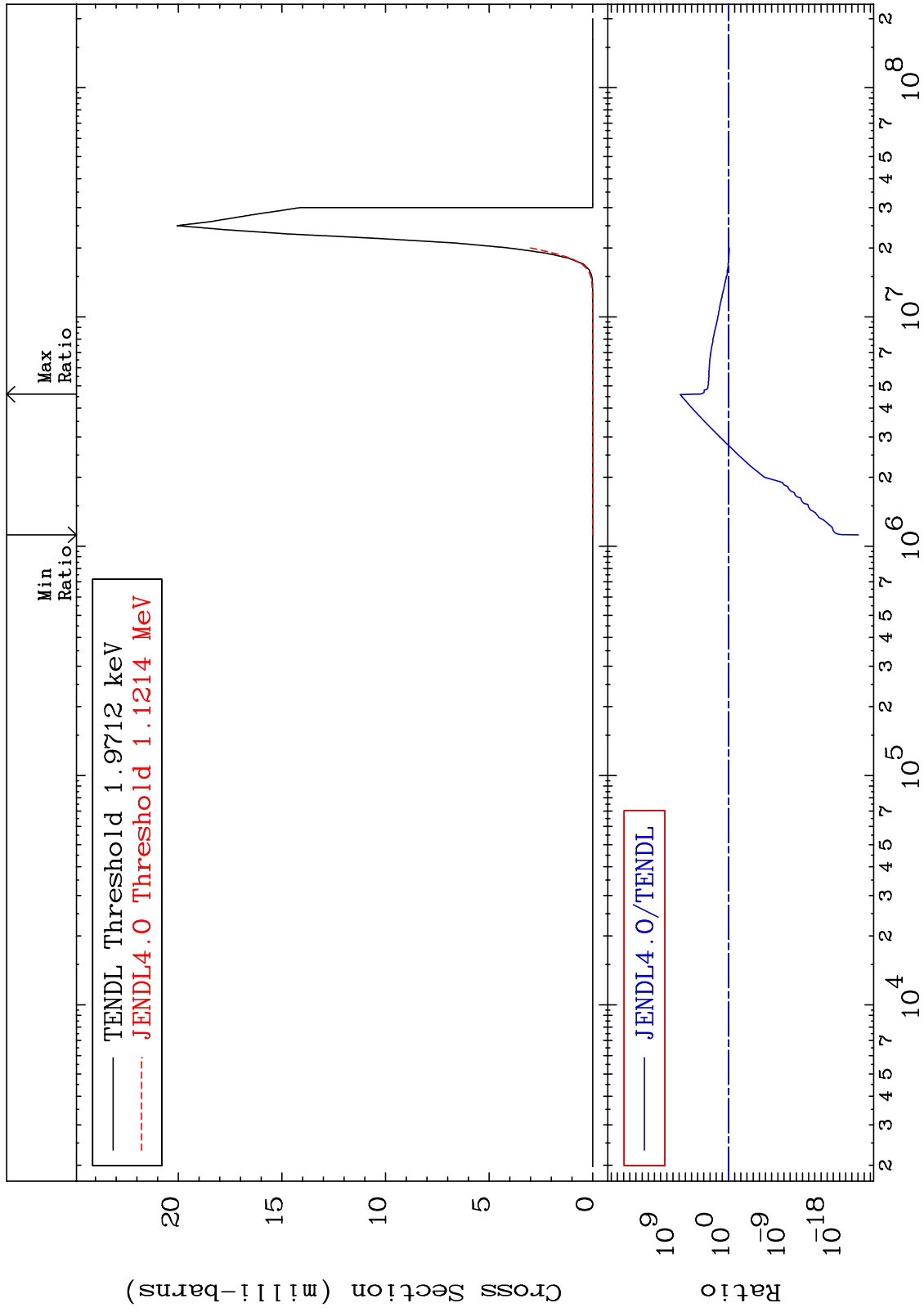
MAT 7643

(n, n') α

76-0s-190

Cross Section

-100.0 To 9999. %



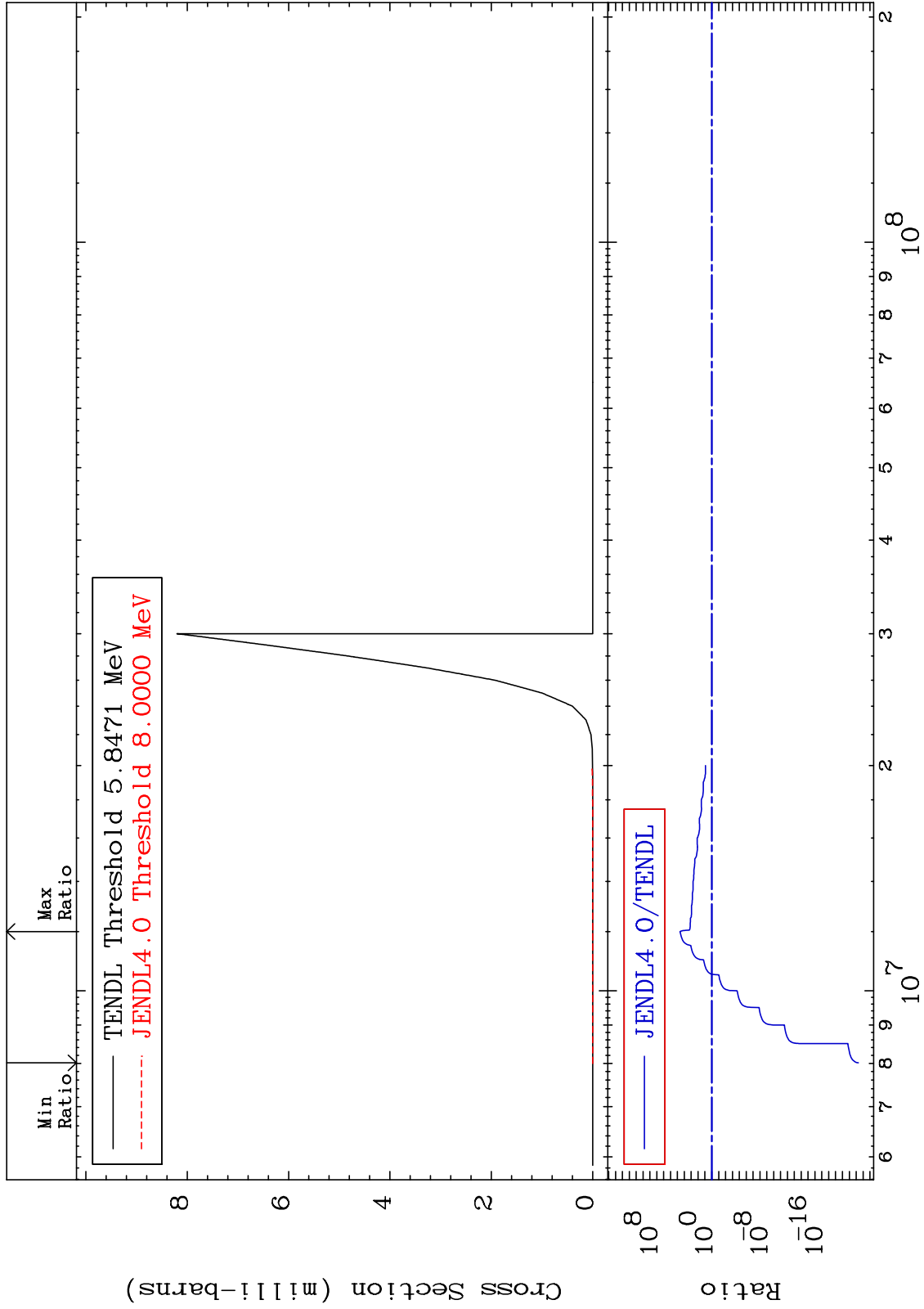
MAT 7643

(n,2n) α

76-0s-190

Cross Section

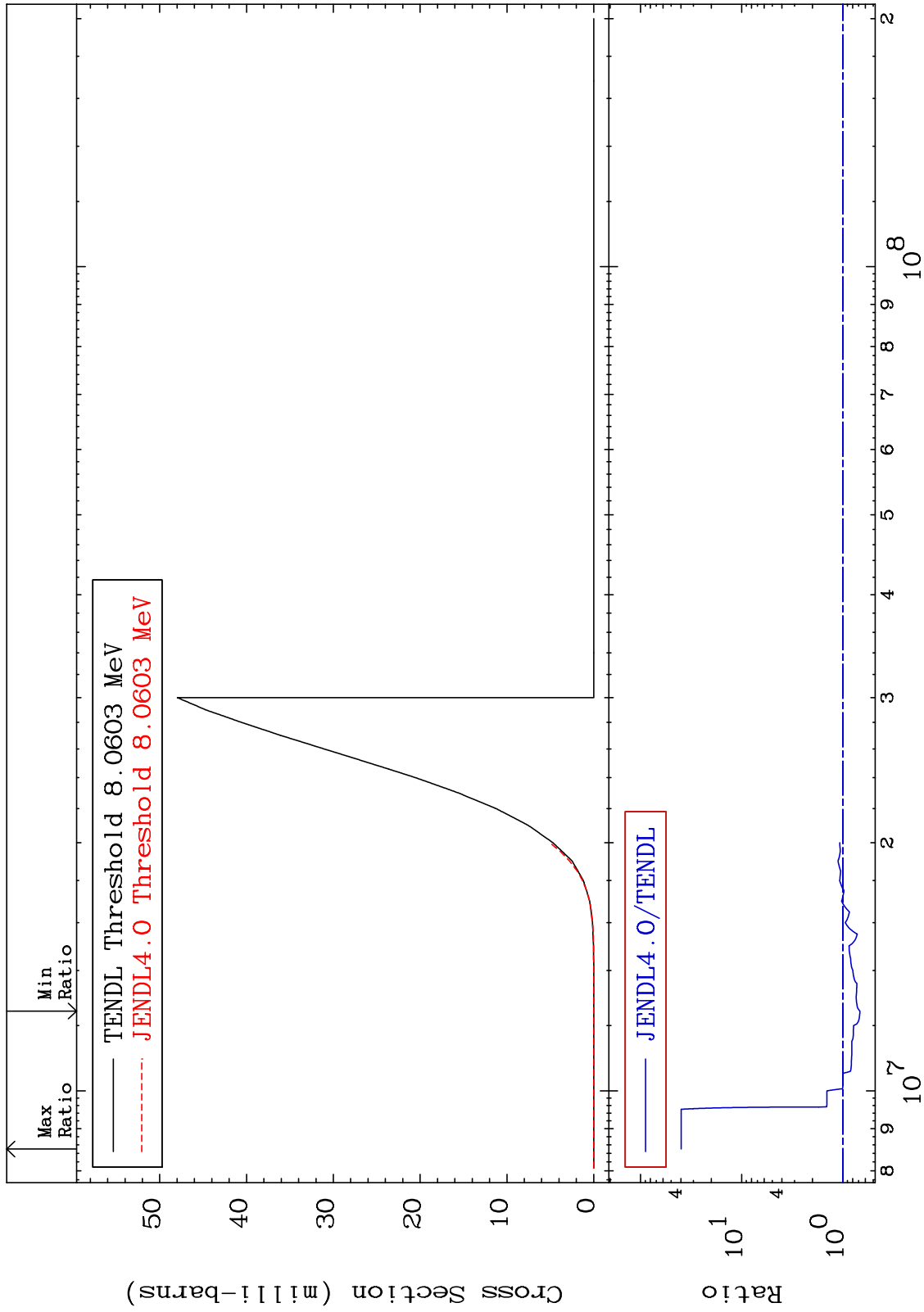
-100.0 To 9999. %



MAT 7643

(n,n') p
Cross Section

76-0s-190
-32.20 To 3866. %



8

Incident Energy (eV)

76-0s-190

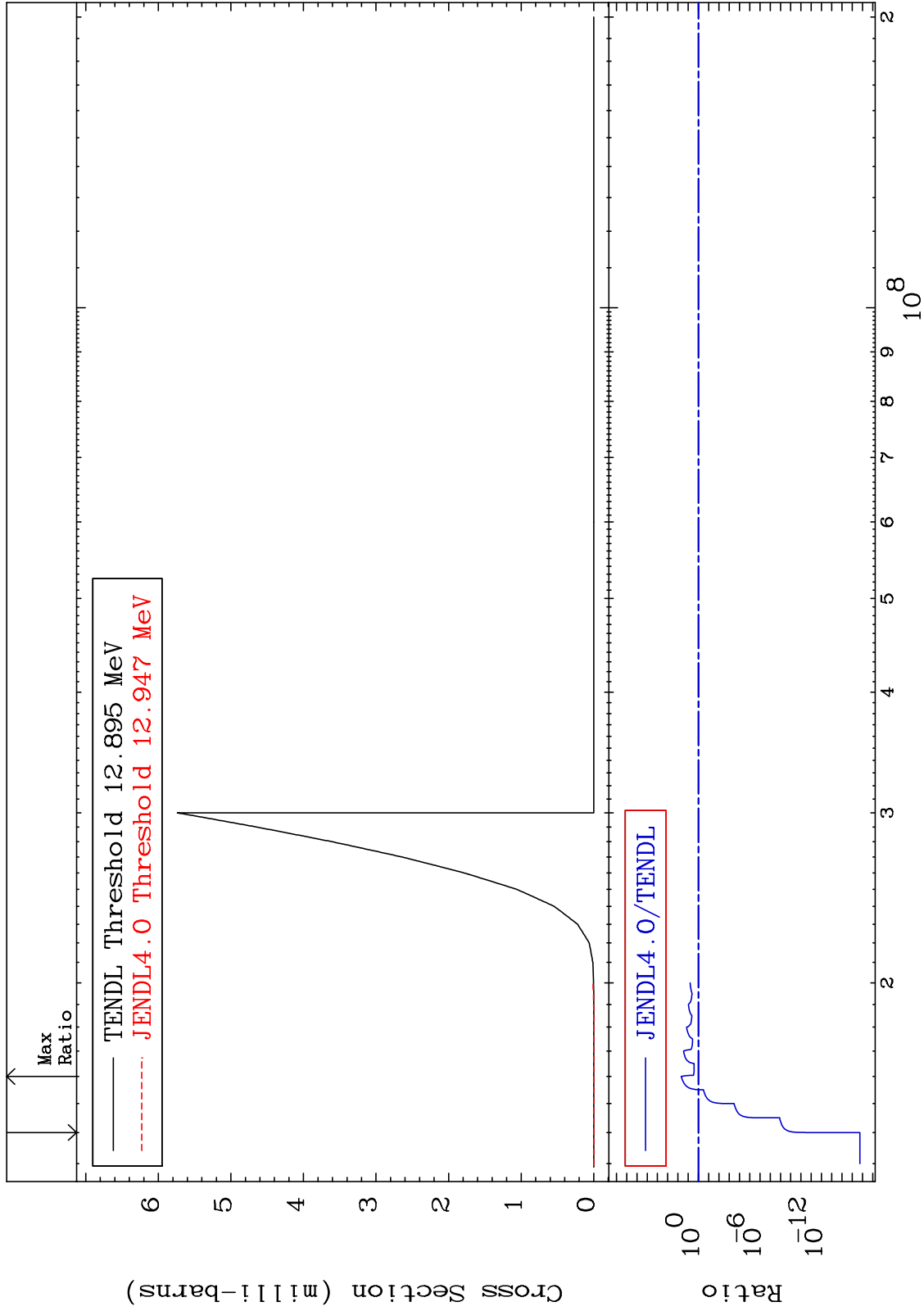
MAT 7643

(n,n') d

76-0s-190

Cross Section

-100.0 To 4684. %



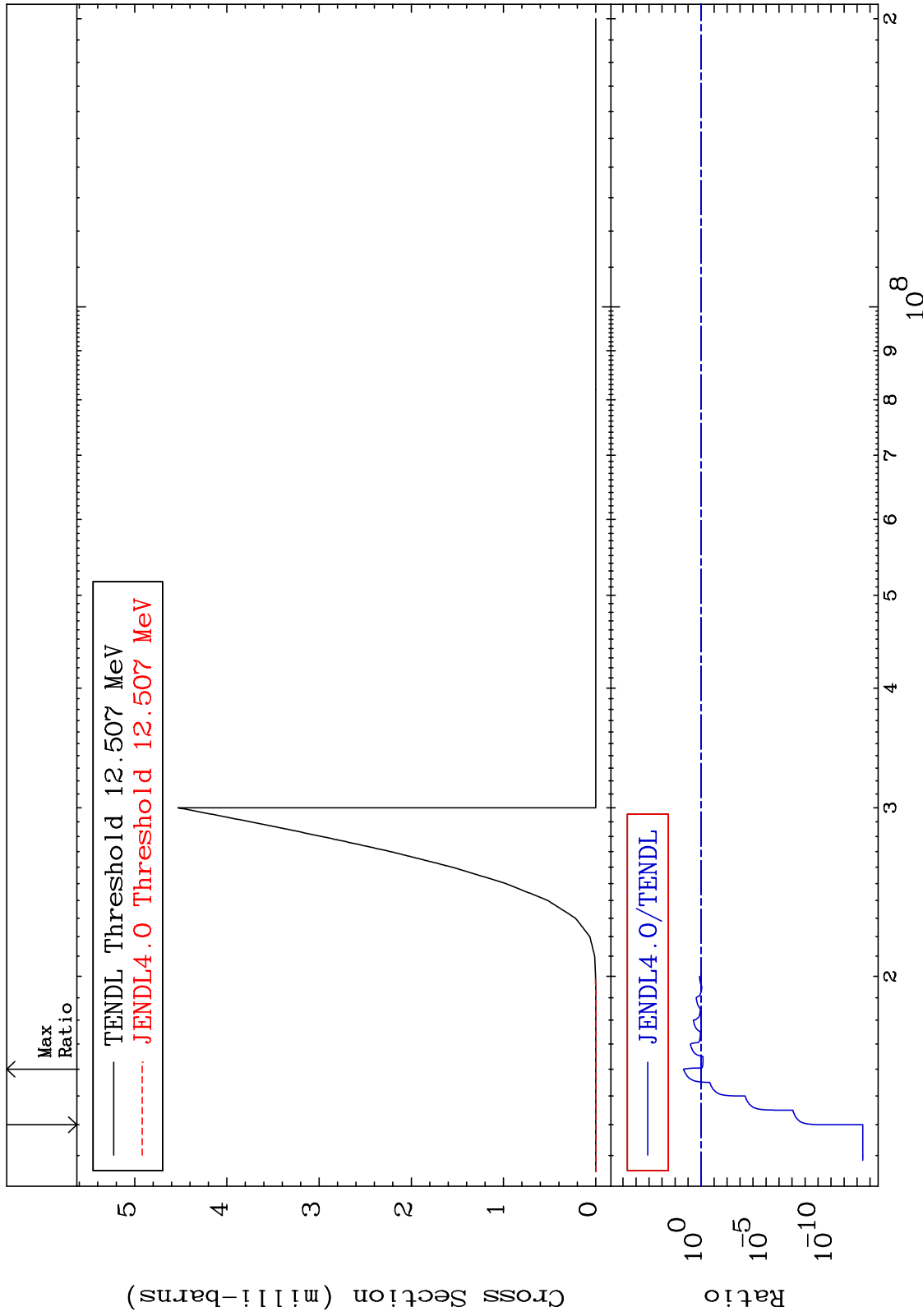
MAT 7643

(n,n') t

76-0s-190

Cross Section

-100.0 To 2123. %



10

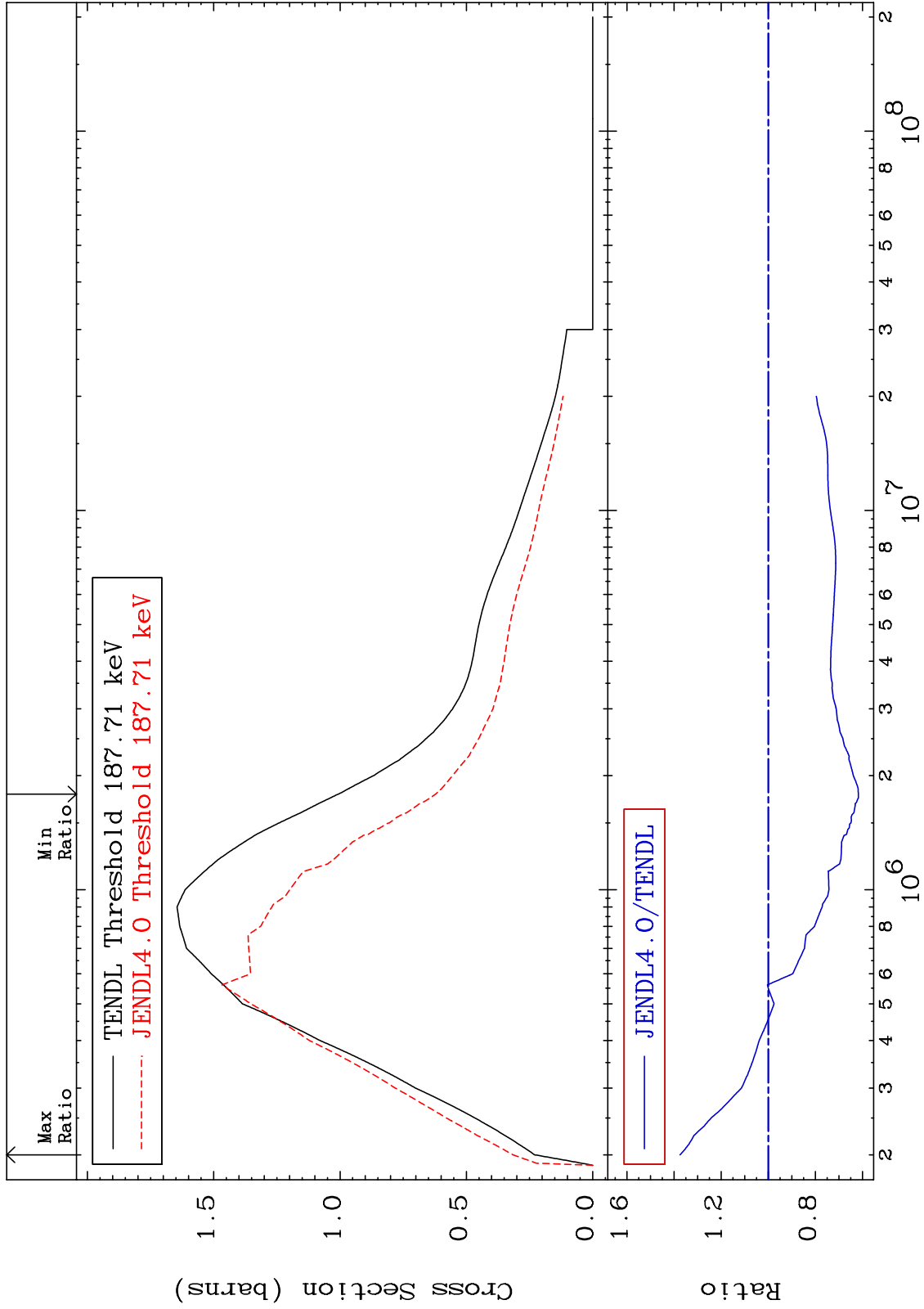
Incident Energy (eV)

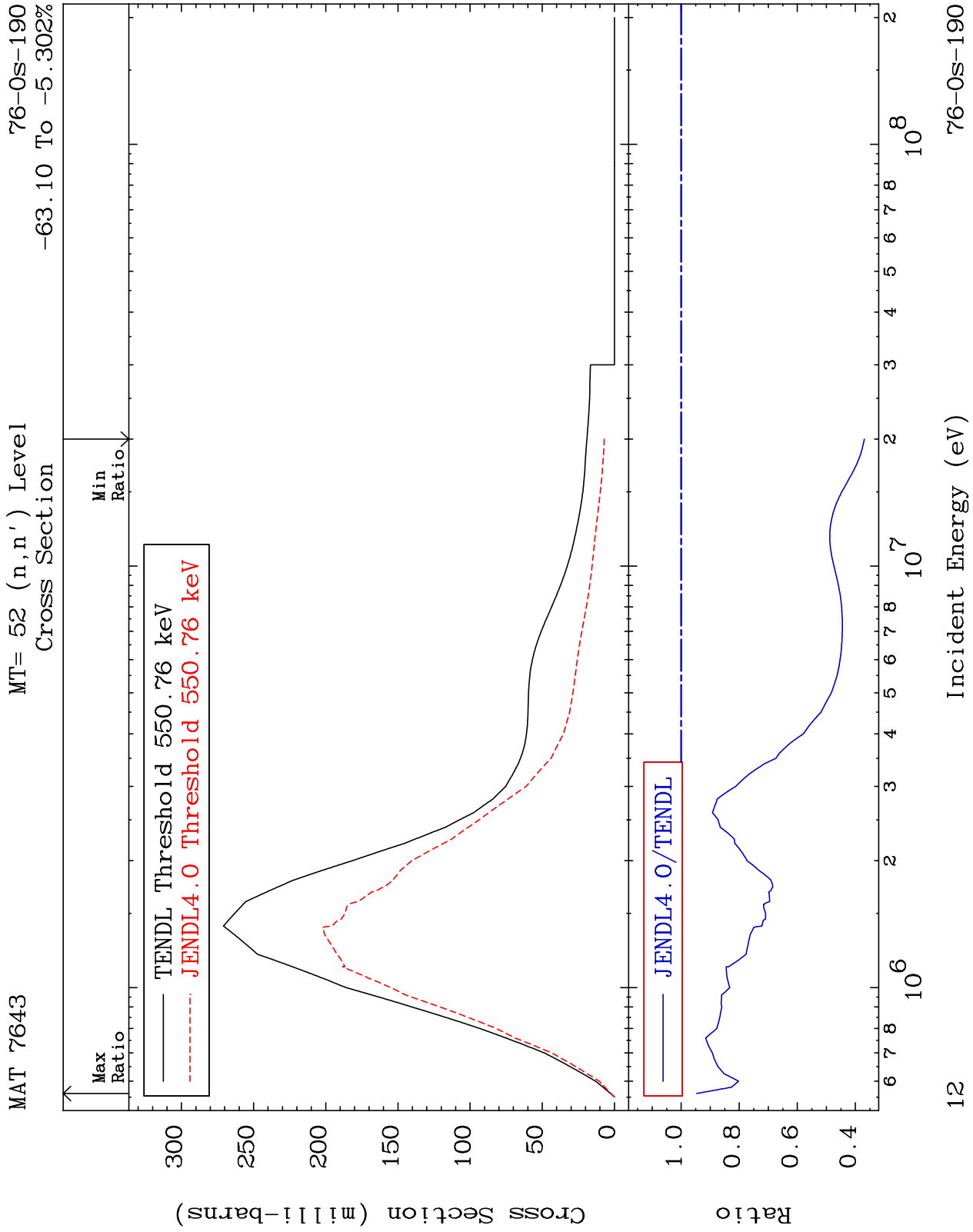
76-0s-190

MAT 7643

MT= 51 (n,n') Level
Cross Section

76-0s-190
-38.23 To 37.51 %

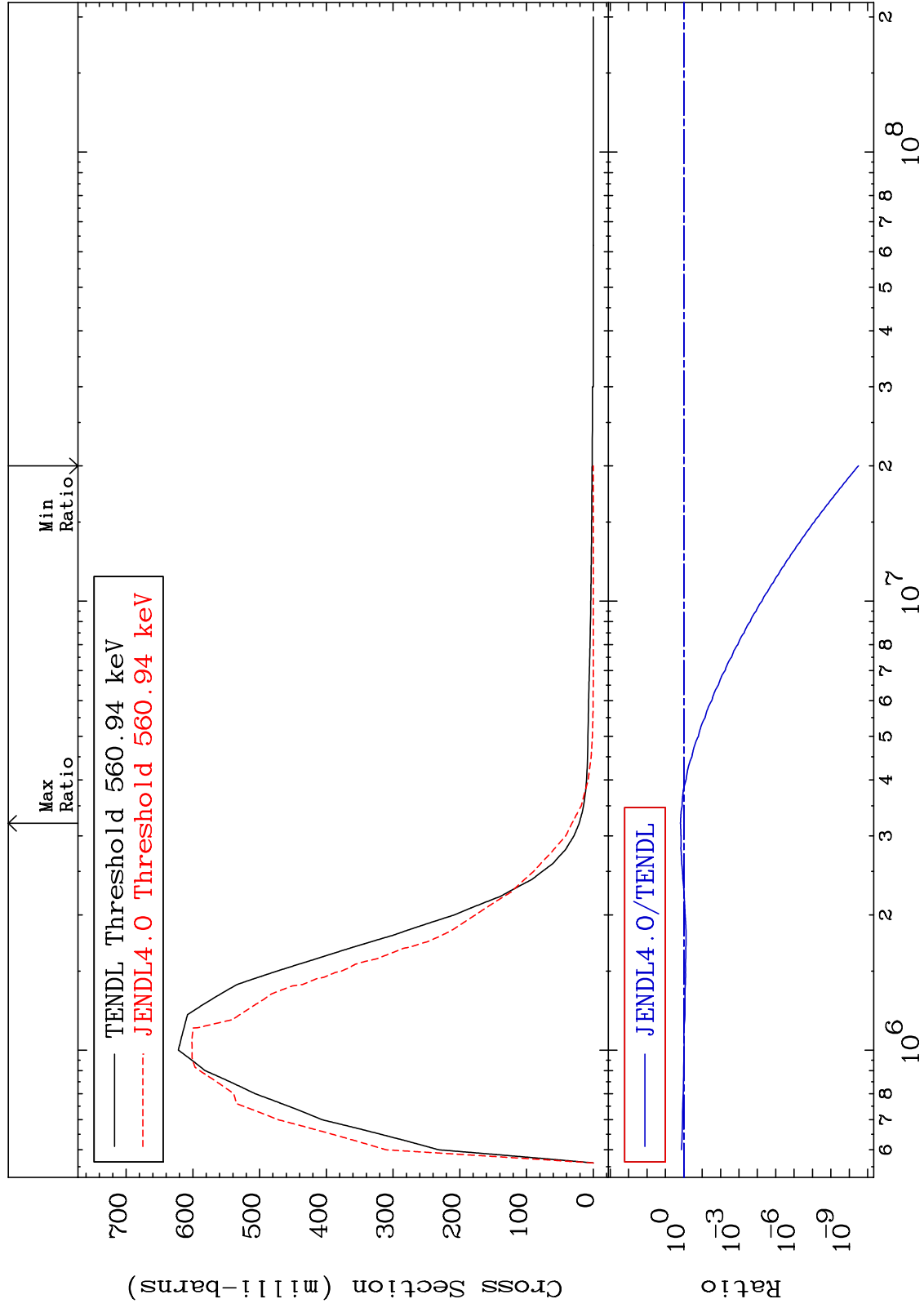




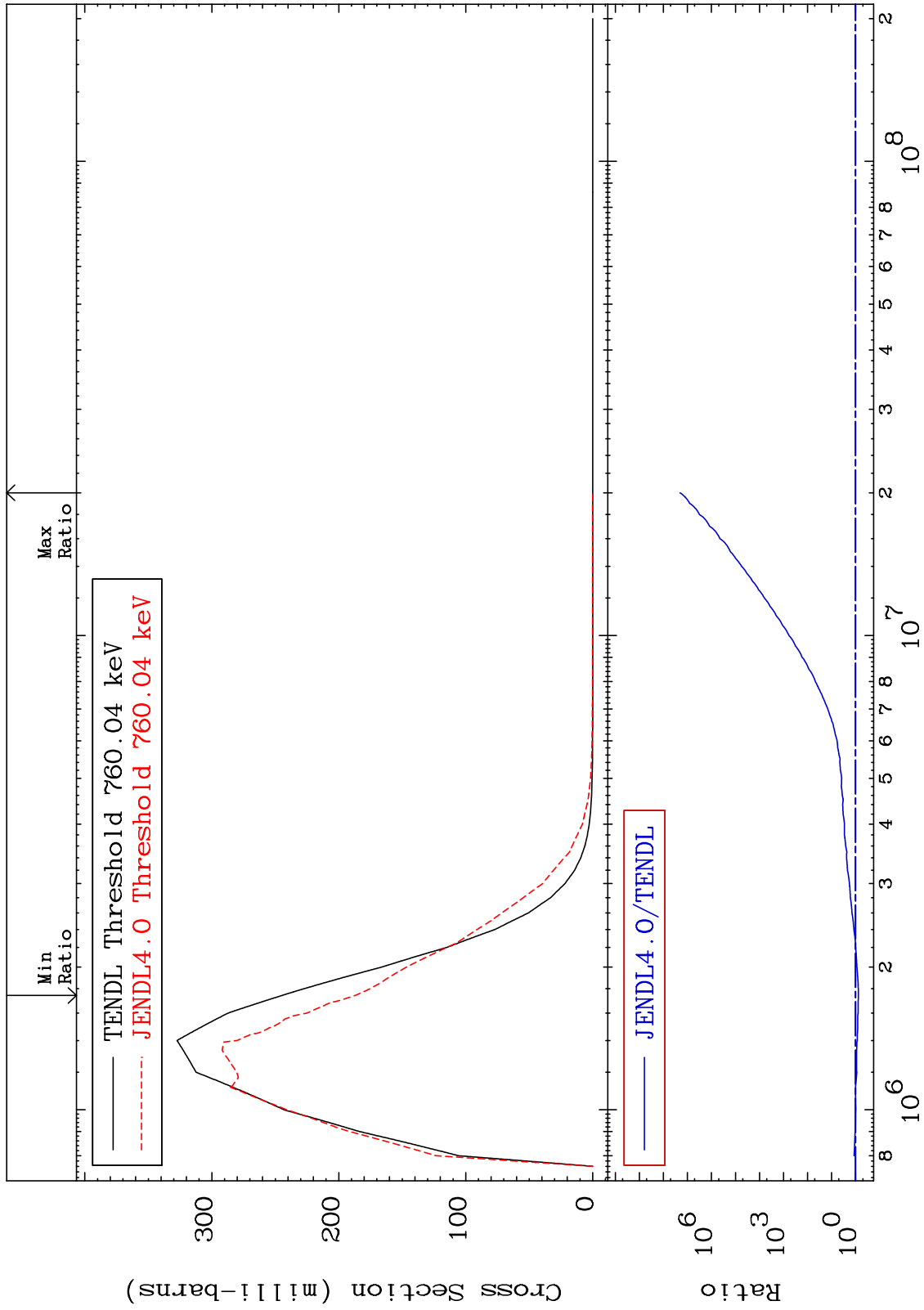
MAT 7643

MT= 53 (n,n') Level
Cross Section

76-0s-190
-100.0 To 51.53 %



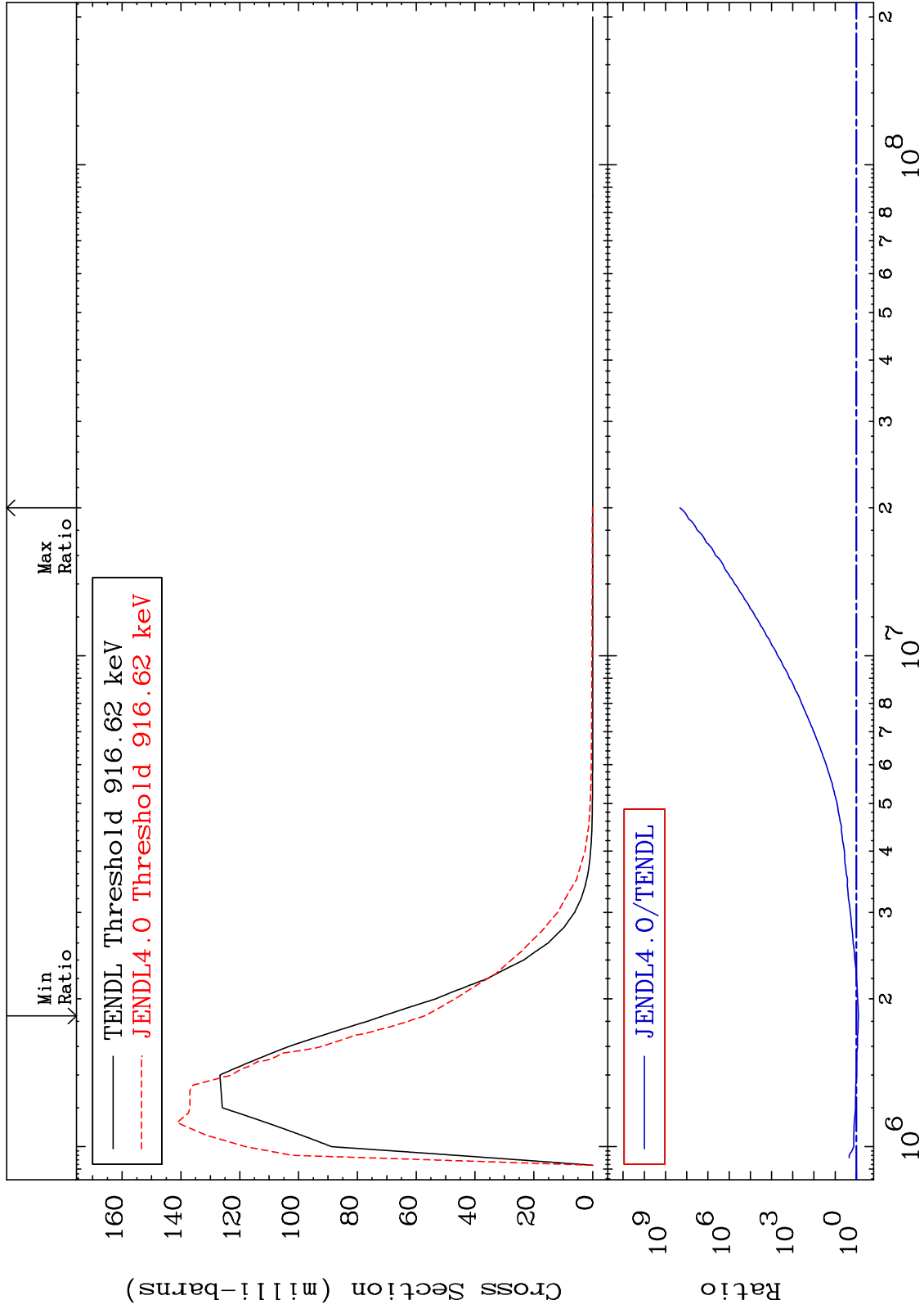
MAT 7643 MT= 54 (n,n') Level Cross Section 76-0s-190
-23.59 To 9999. %



MAT 7643

MT= 55 (n,n') Level
Cross Section

76-0s-190
-19.72 To 9999. %



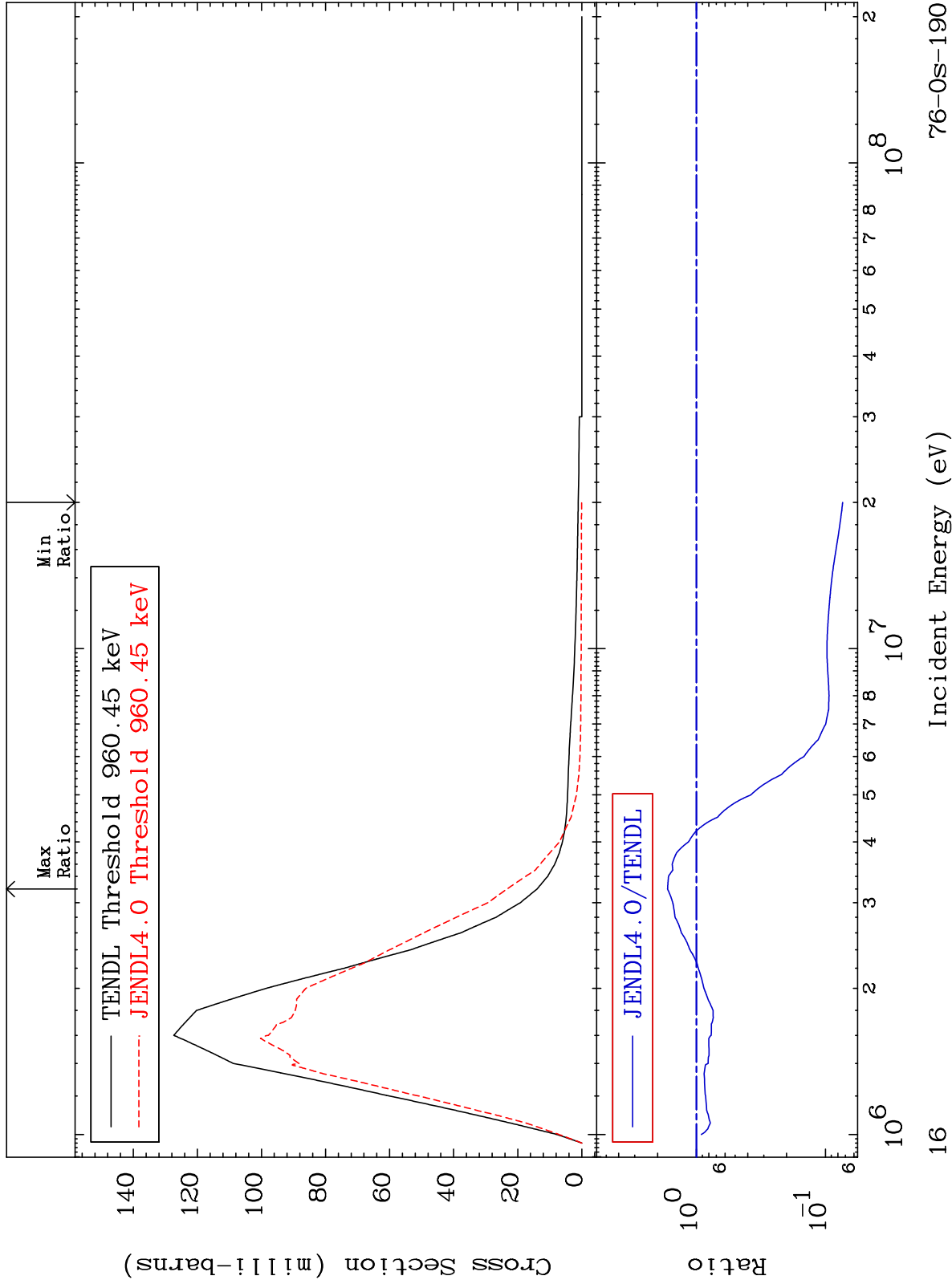
Incident Energy (eV)

76-0s-190

MAT 7643

MT= 56 (n,n') Level
Cross Section

76-0s-190
-92.65 To 67.32 %

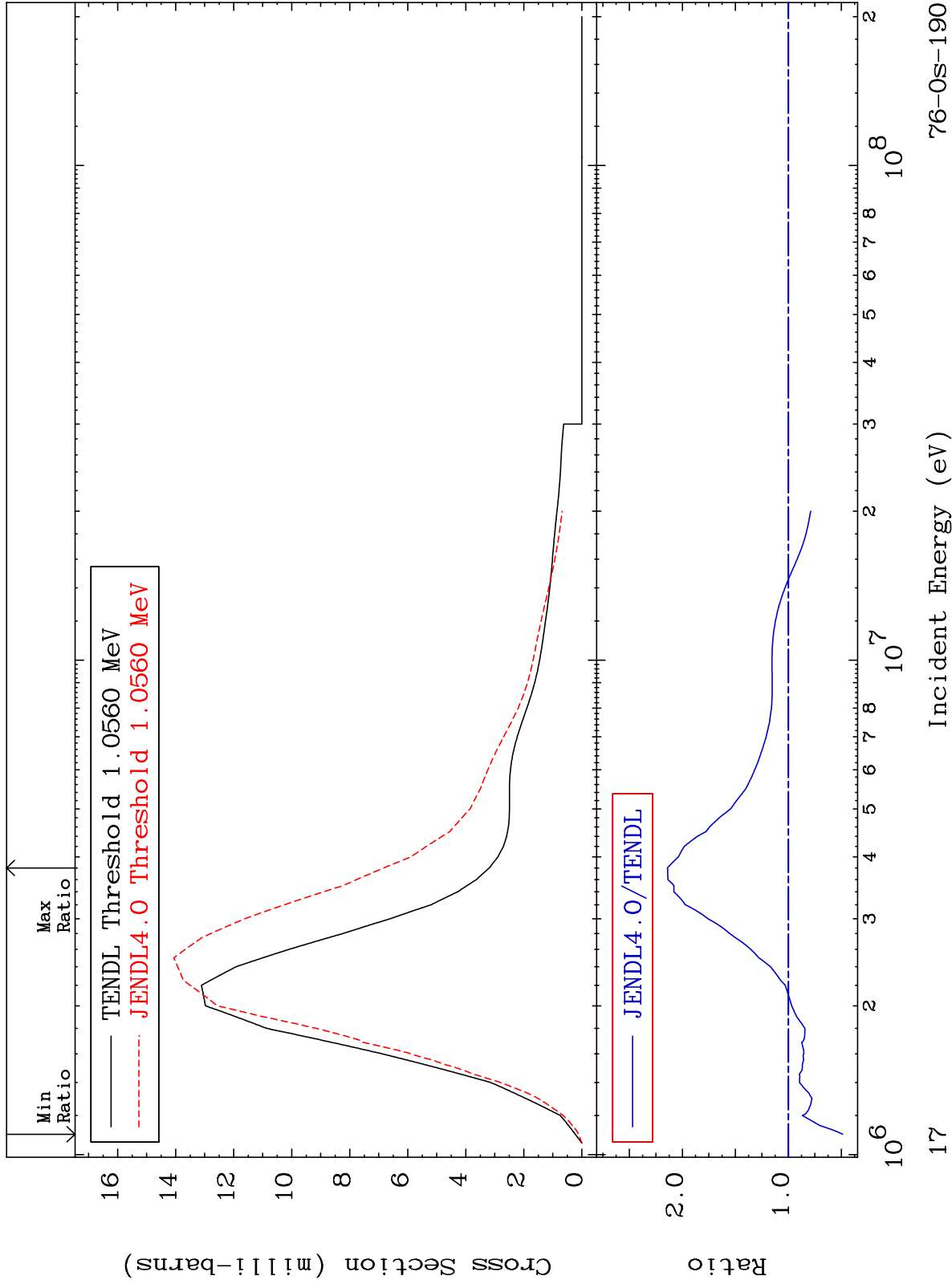


76-0s-190

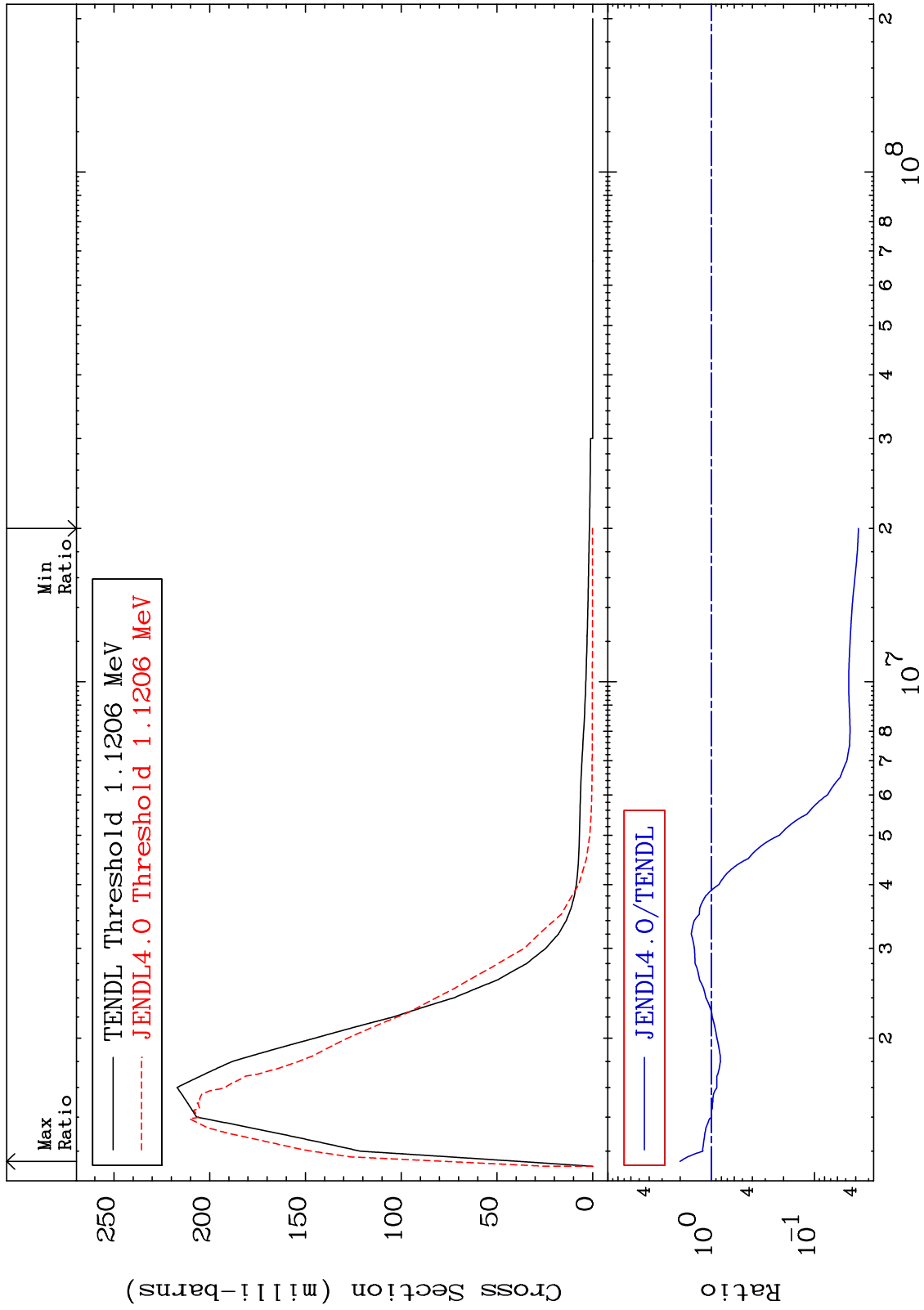
MAT 7643

MT= 57 (n,n') Level
Cross Section

76-0s-190
-51.23 To 114.0 %

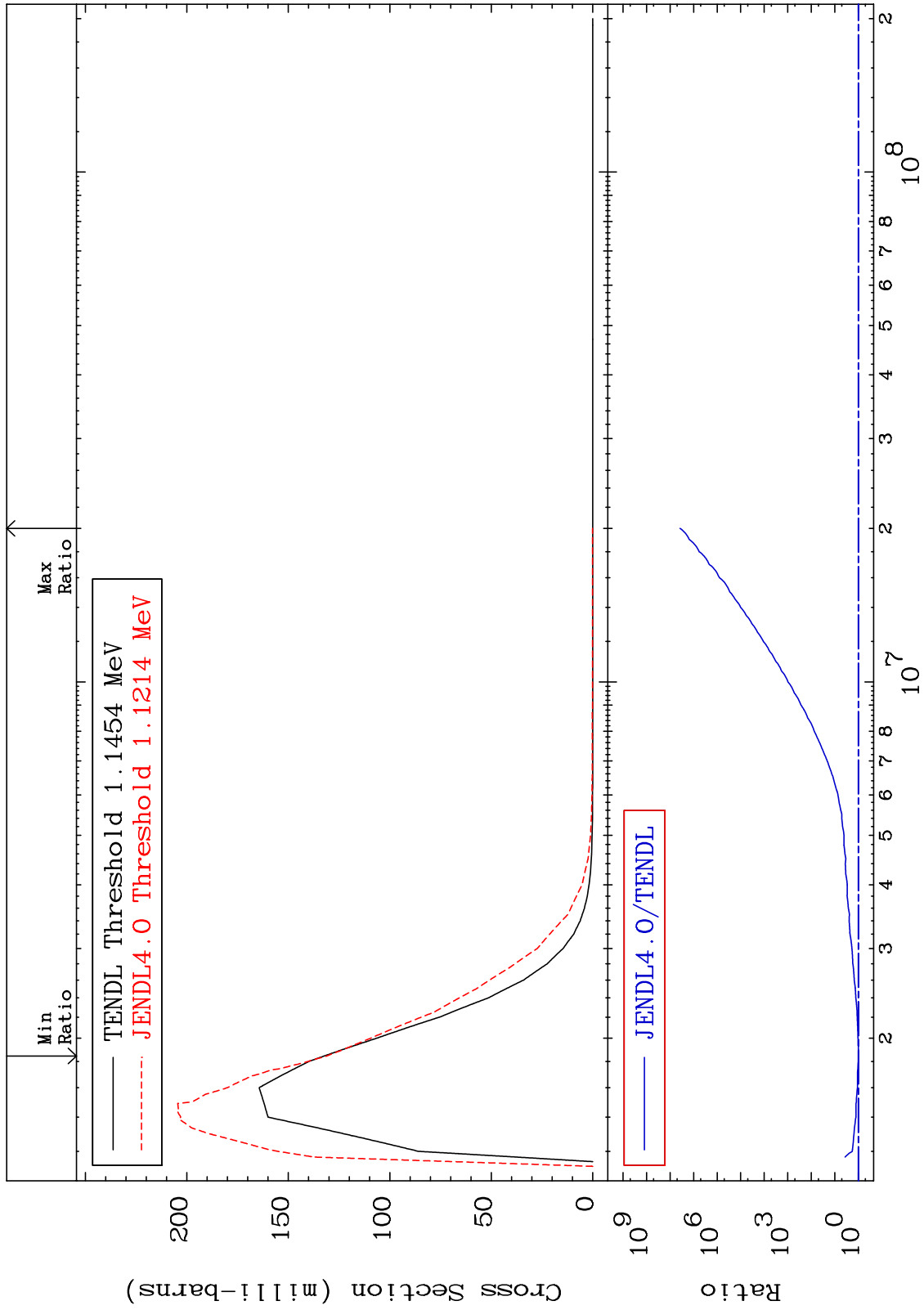


MAT 7643 MT= 58 (n, n') Level
Cross Section 76-0s-190
-96.24 To 100.8 %



Incident Energy (eV) 76-0s-190

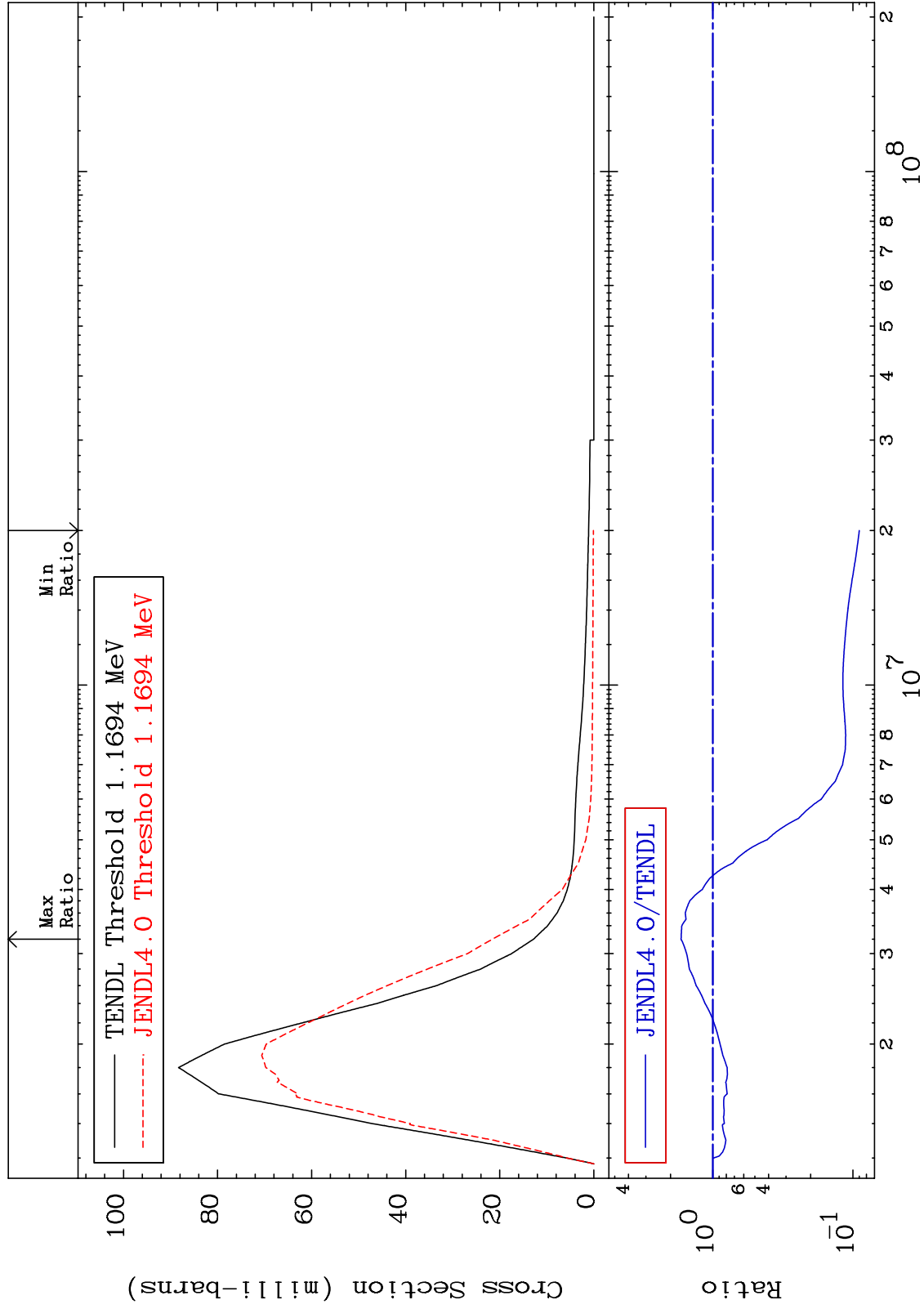
MAT 7643 MT= 59 (n, n') Level
 Cross Section 76-0s-190
 -0.903 To 9999. %



MAT 7643

MT= 60 (n, n') Level
Cross Section

76-0s-190
-91.01 To 68.34 %

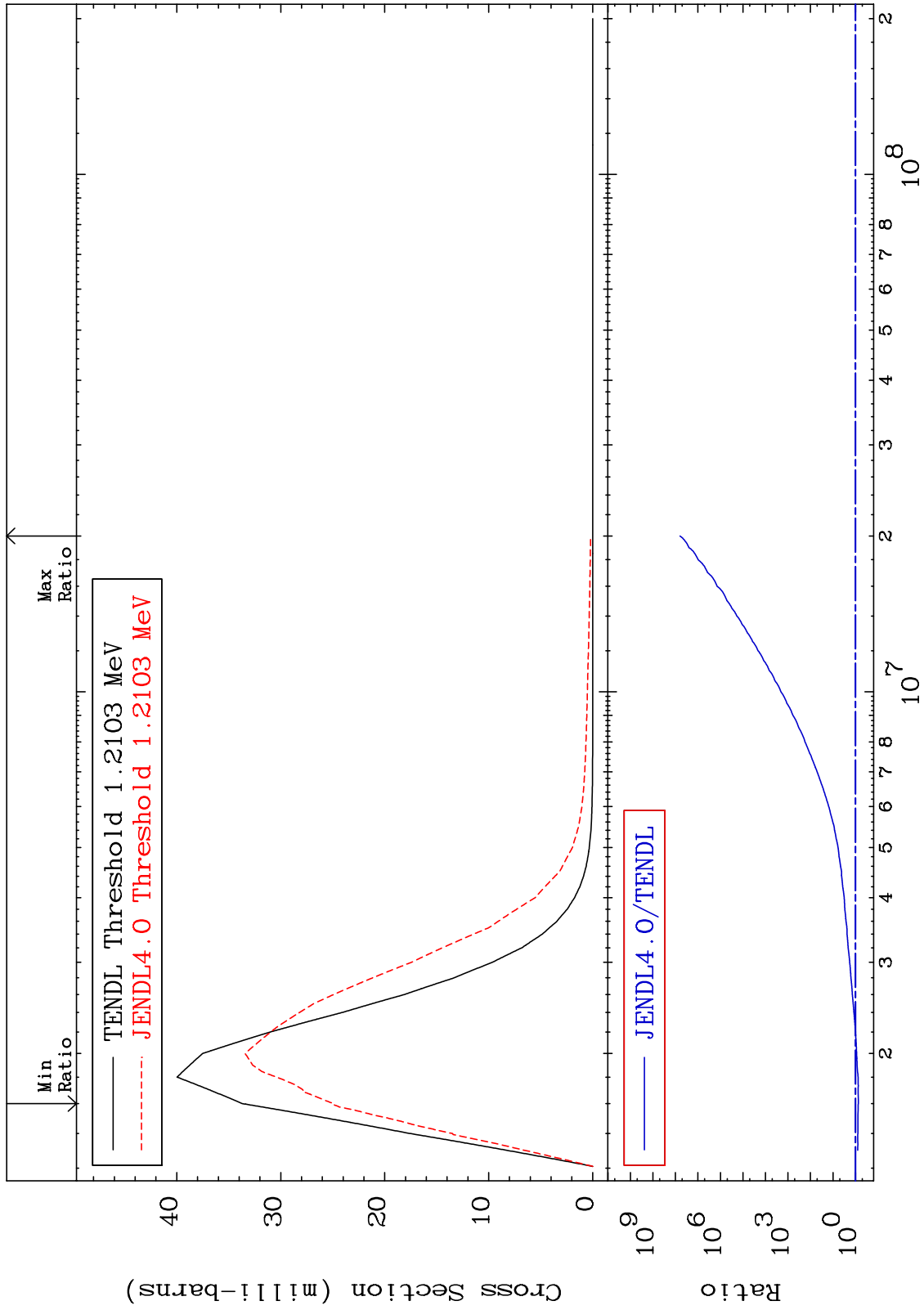


20

Incident Energy (eV)

76-0s-190

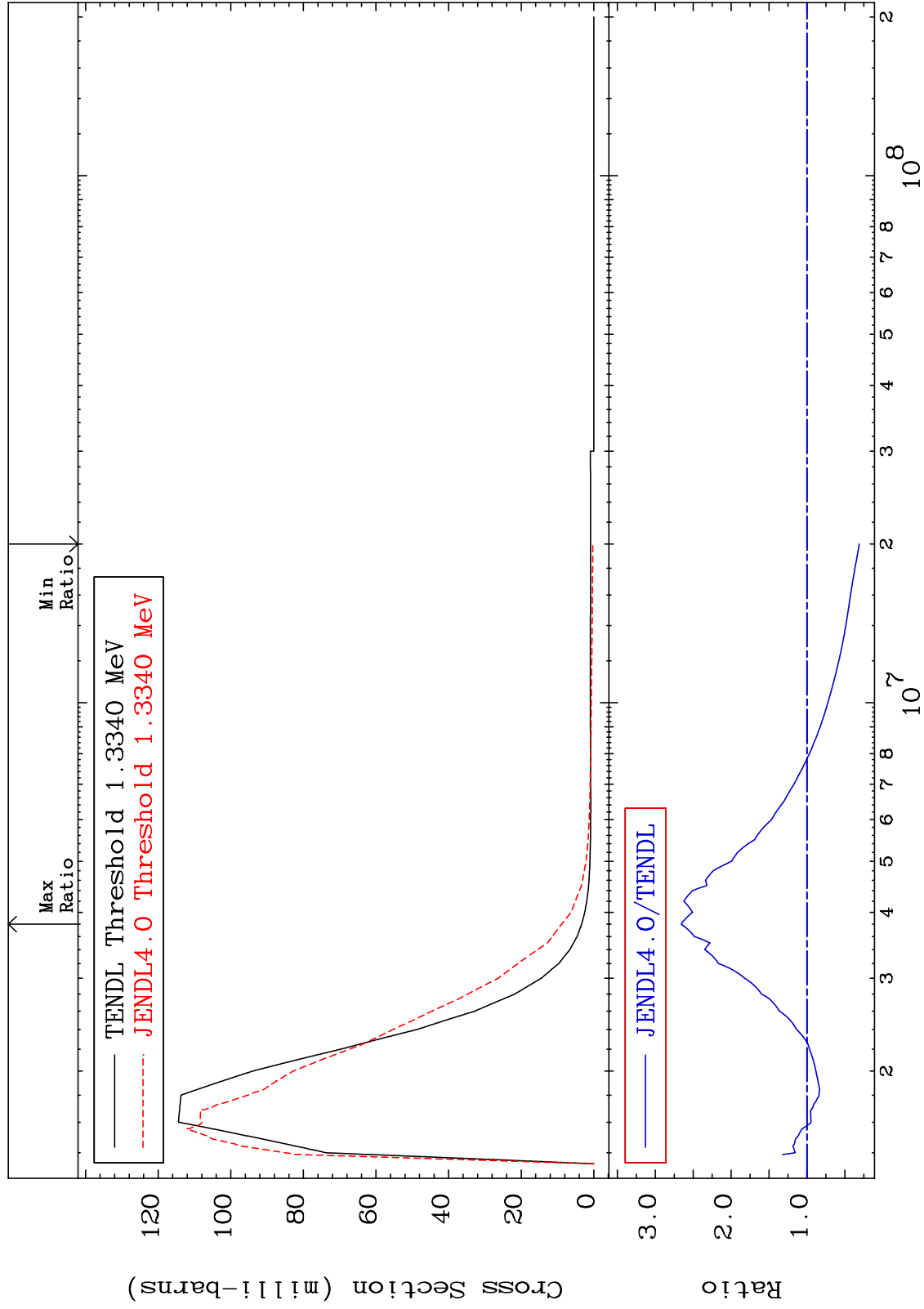
MAT 7643 MT= 61 (n,n') Level Cross Section 76-0s-190
 -26.01 To 9999. %



MAT 7643

MT= 62 (n, n') Level
Cross Section

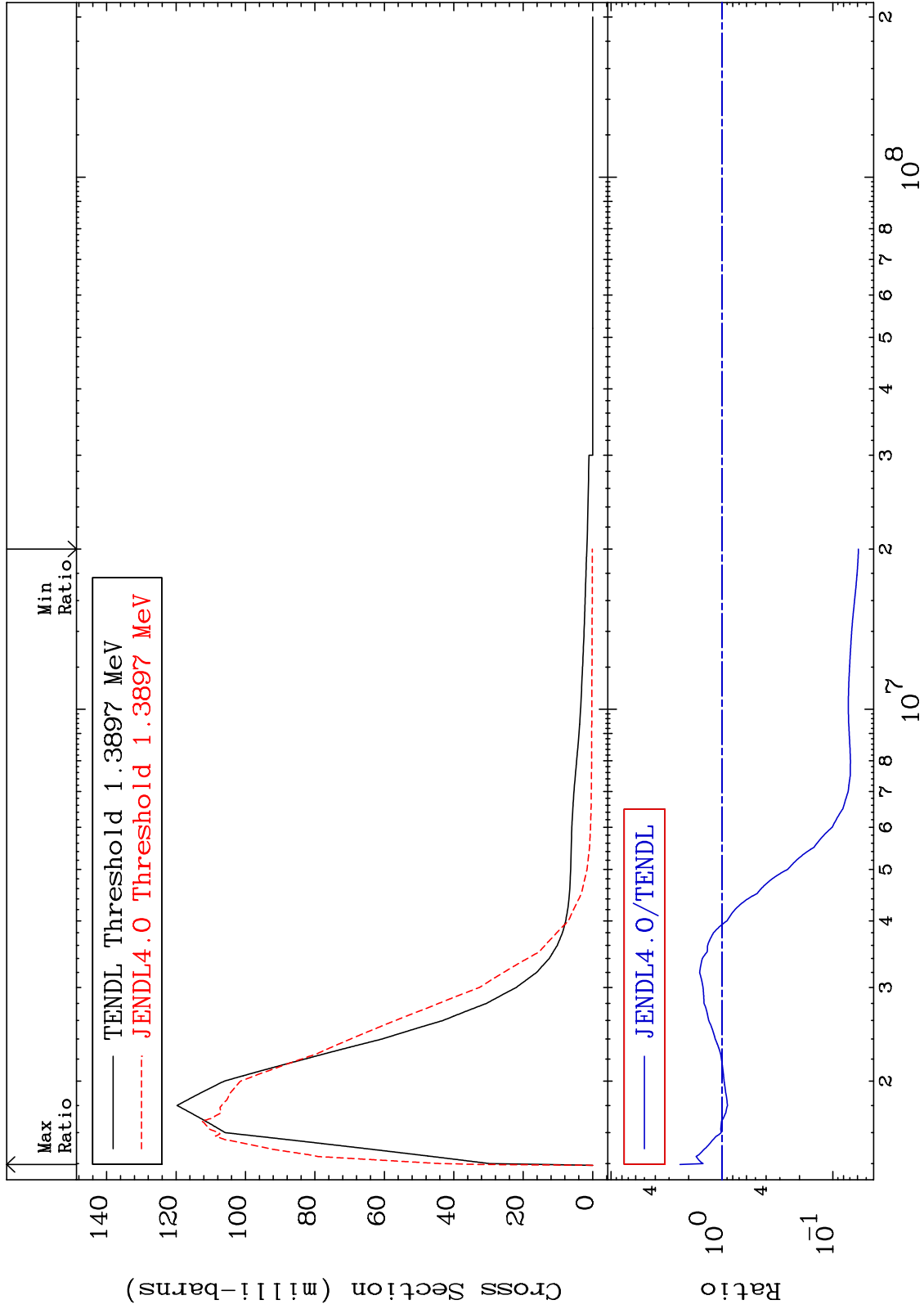
76-0s-190
-69.13 To 166.0 %



MAT 7643

MT= 63 (n,n') Level
Cross Section

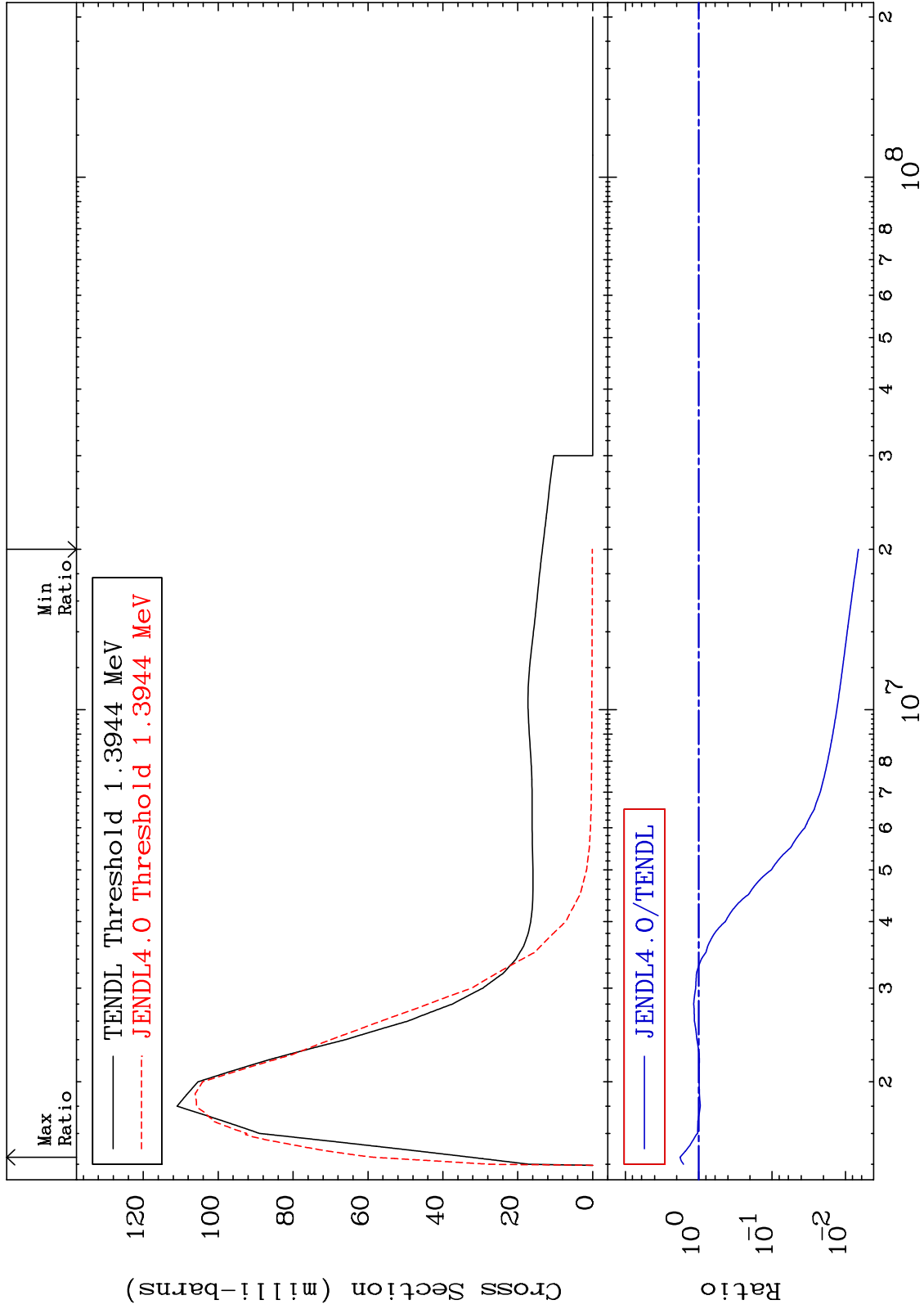
76-0s-190
-94.13 To 139.0 %



MAT 7643

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

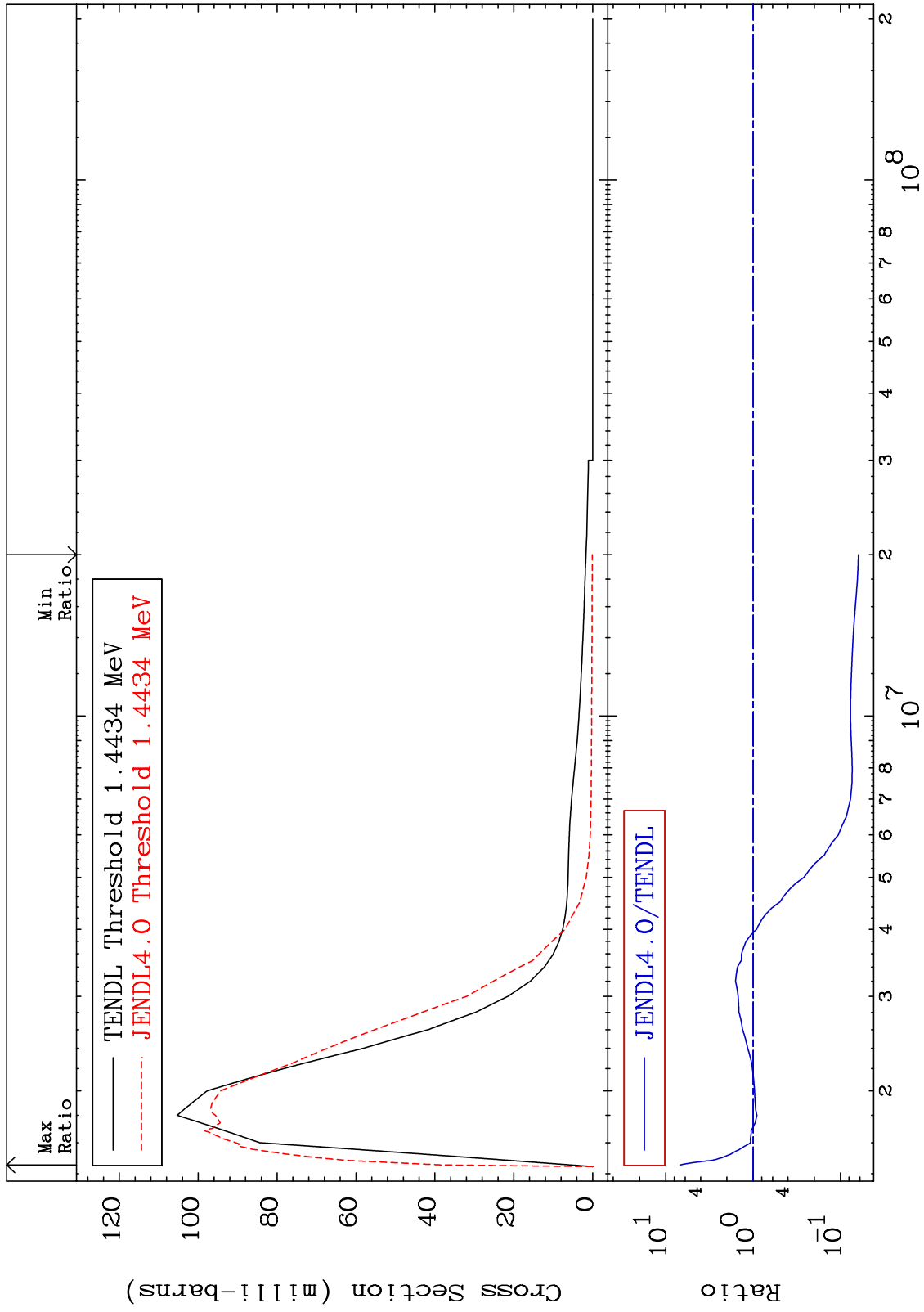
76-0s-190
-99.33 To 79.98 %



MAT 7643

MT= 65 (n,n') Level
Cross Section

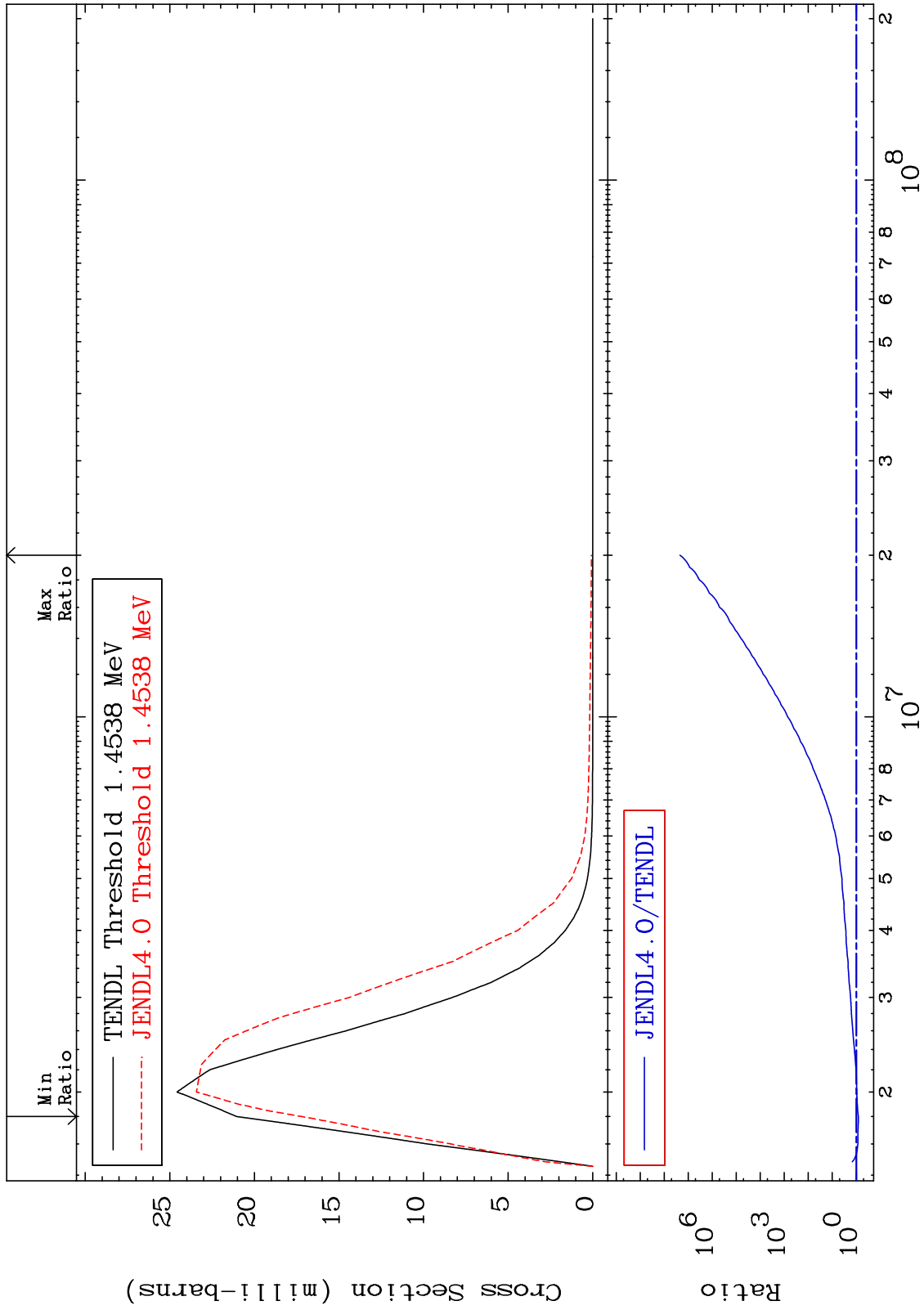
76-0s-190
-93.75 To 588.3 %



MAT 7643

MT= 66 (n,n') Level
Cross Section

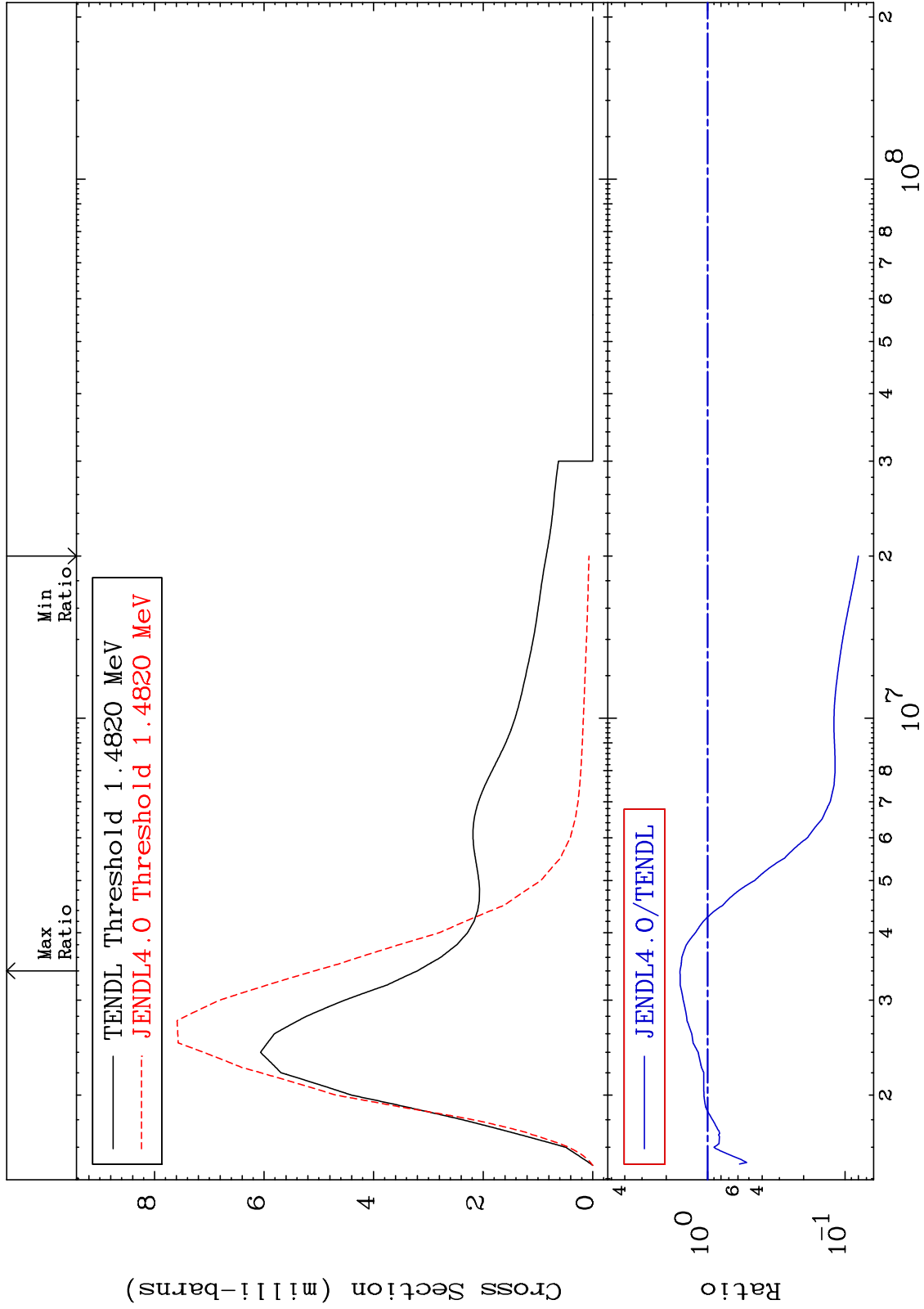
76-0s-190
-18.27 To 9999. %



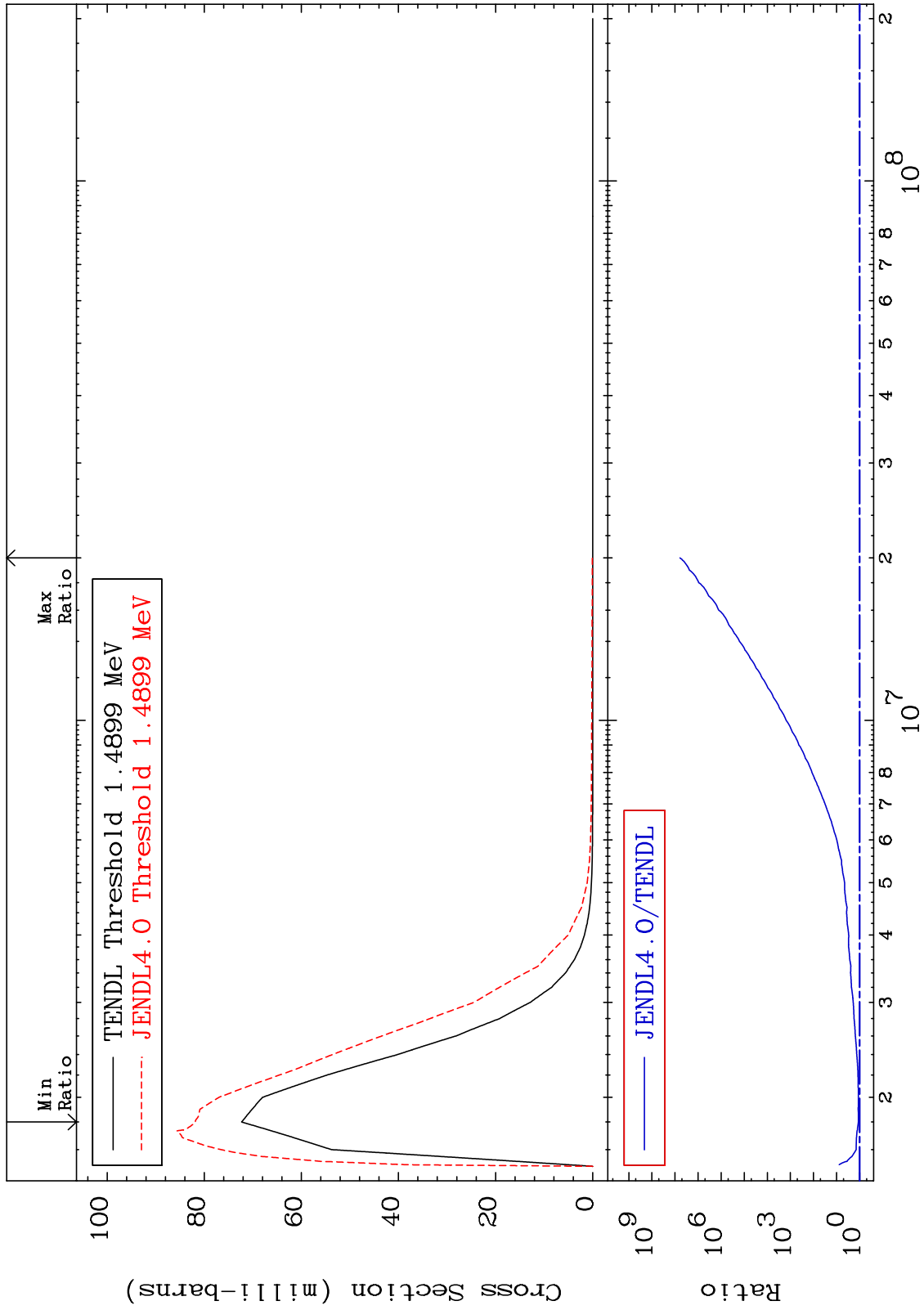
MAT 7643

MT= 67 (n,n') Level
Cross Section

76-0s-190
-92.01 To 58.67 %



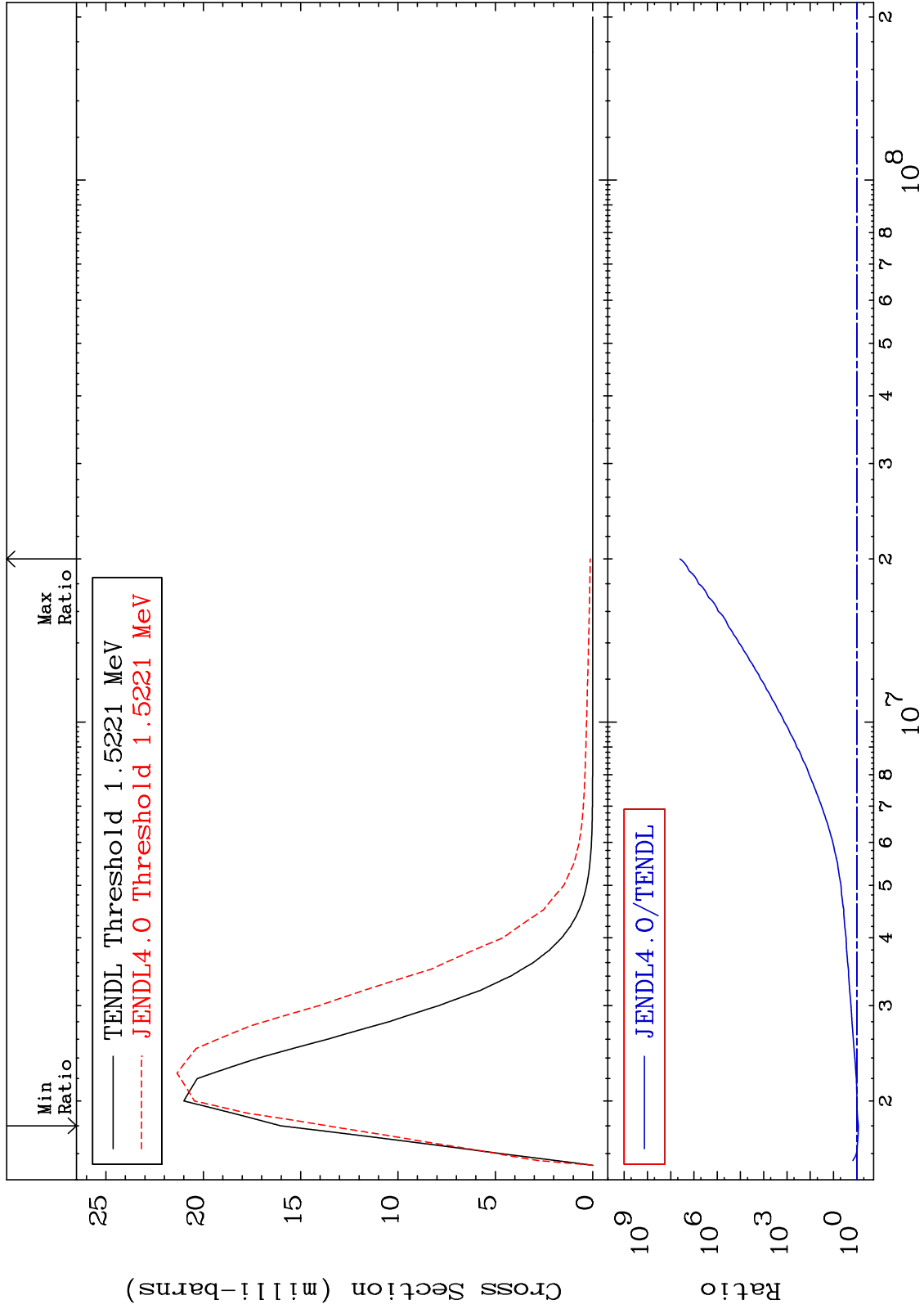
MAT 7643 MT= 68 (n,n') Level Cross Section 76-0s-190
 13.16 To 9999. %



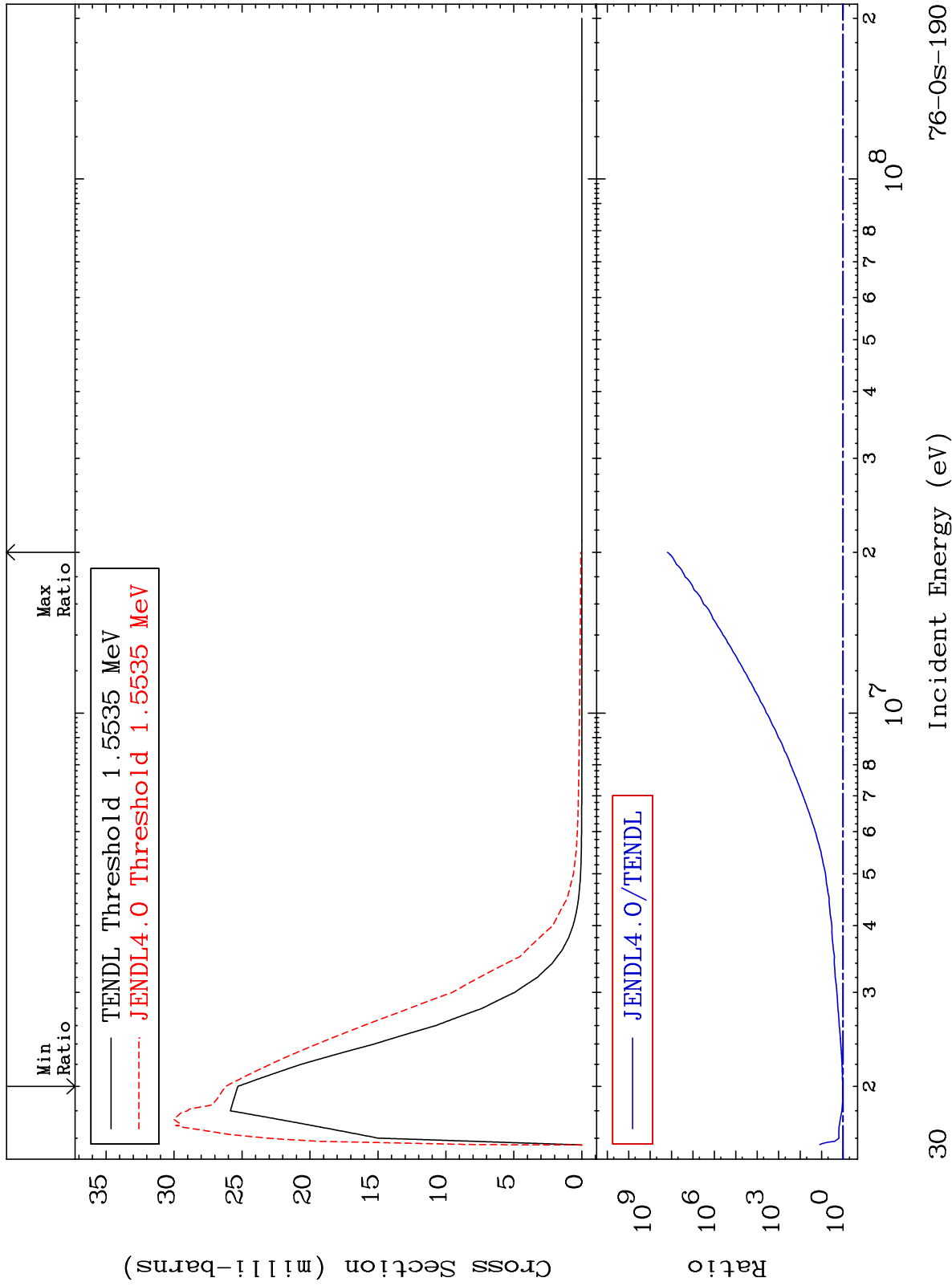
MAT 7643

MT= 69 (n,n') Level
Cross Section

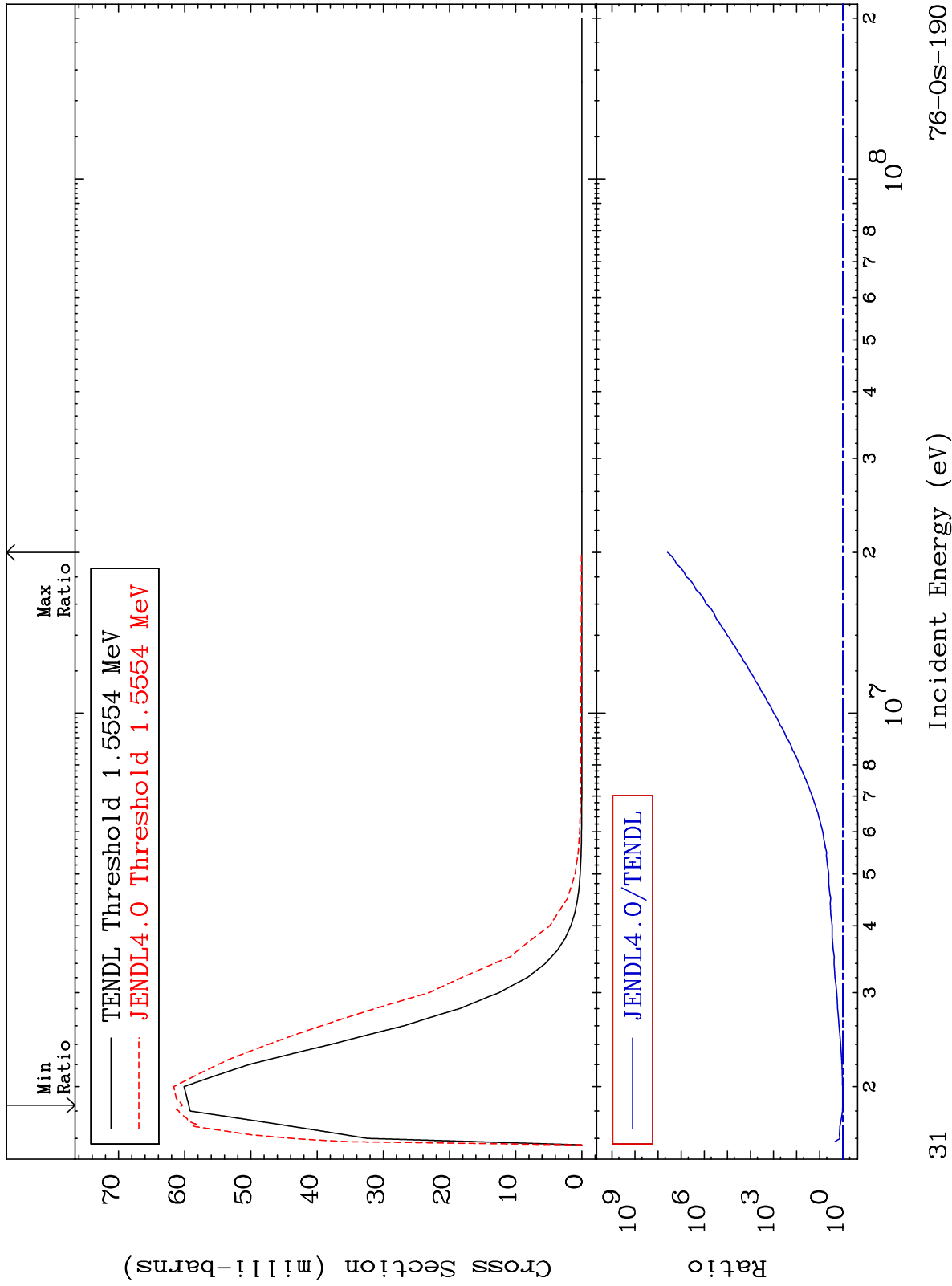
76-0s-190
-14.96 To 9999. %



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



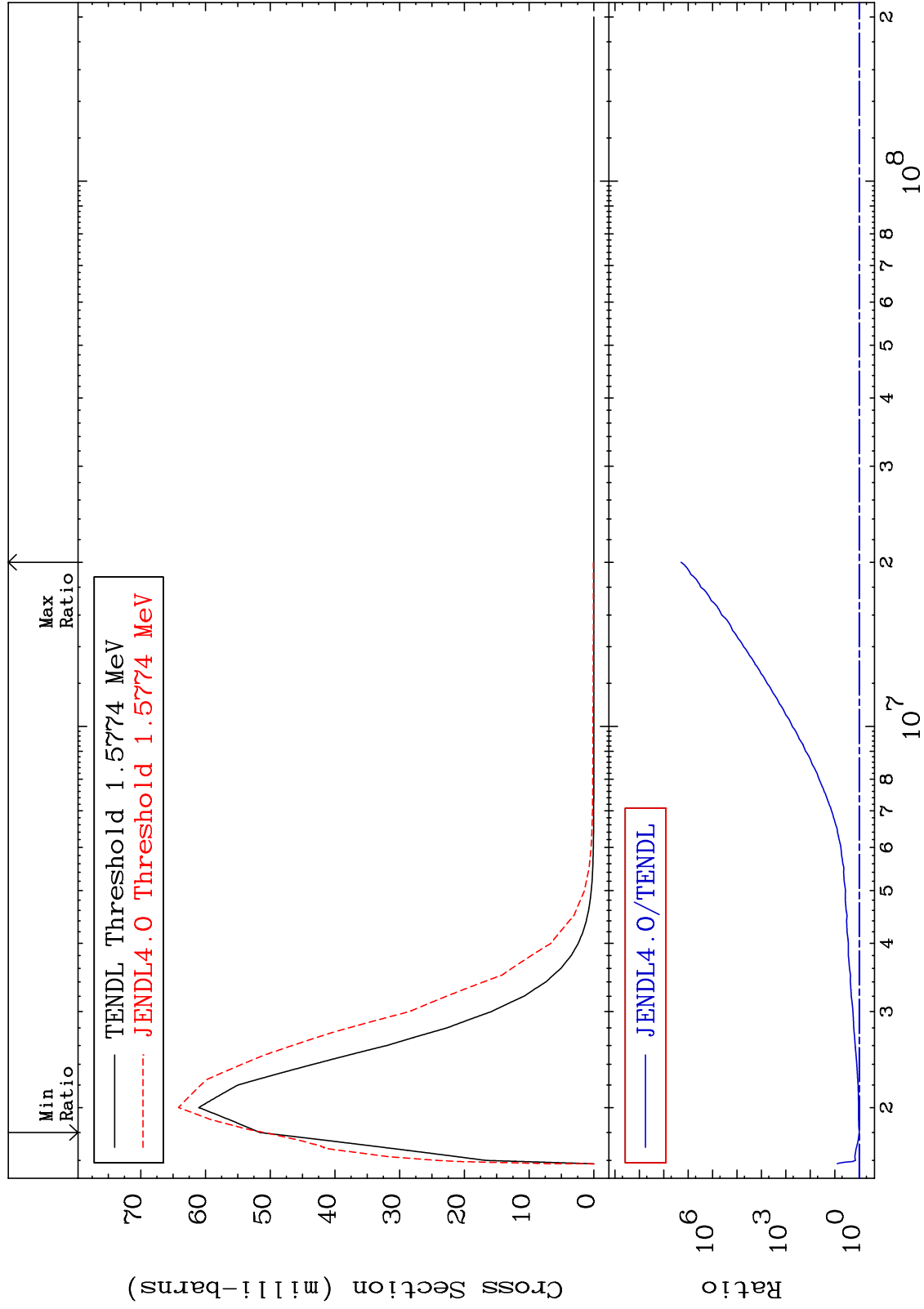
MAT 7643 MT= 71 (n,n') Level Cross Section 76-0s-190
 1.554 To 9999. %



MAT 7643

MT= 72 (n,n') Level
Cross Section

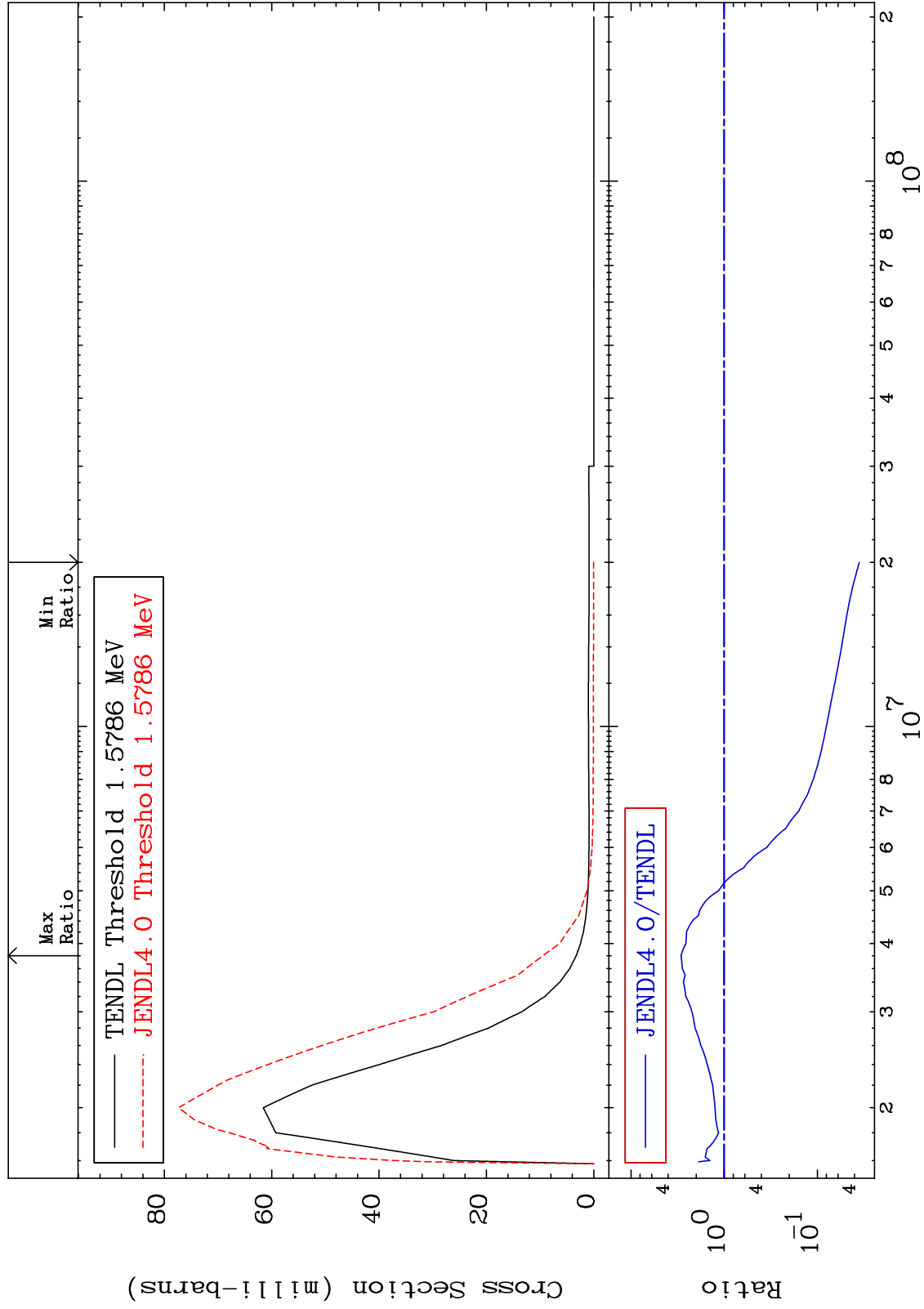
76-0s-190
-1.223 To 9999. %



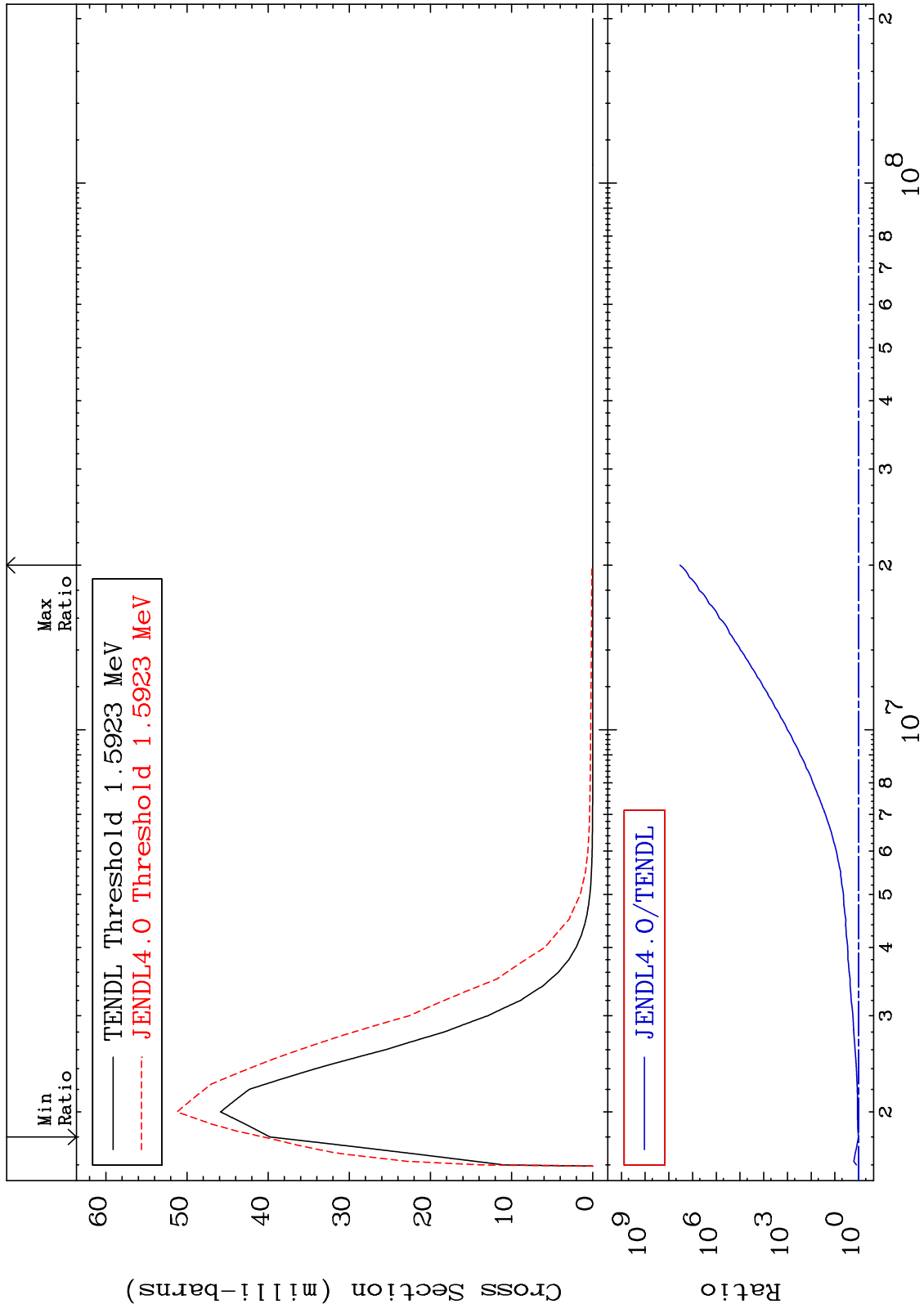
MAT 7643

MT= 73 (n,n') Level
Cross Section

76-0s-190
-96.45 To 190.6 %



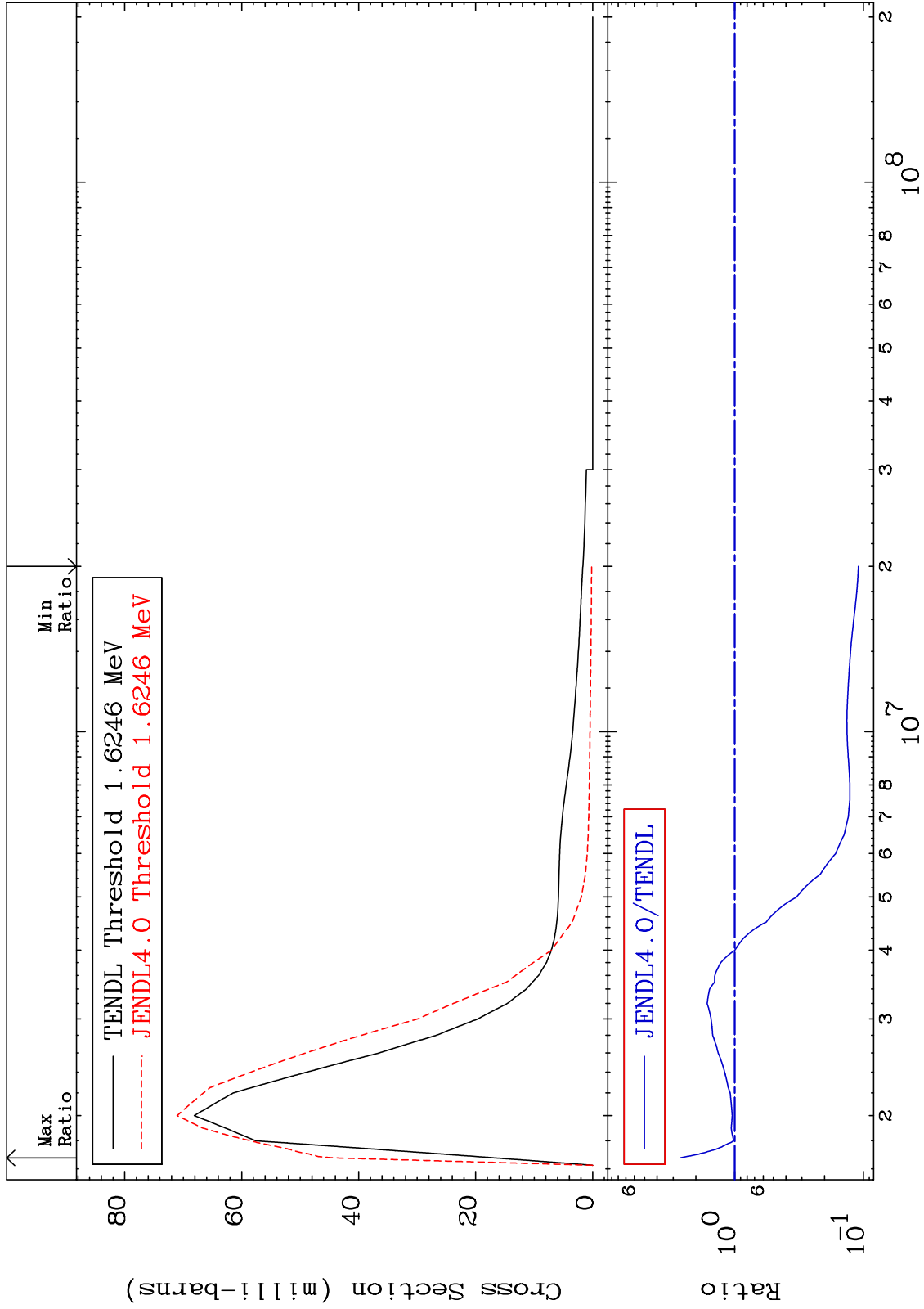
MAT 7643 MT= 74 (n,n') Level Cross Section 76-0s-190
 2.043 To 9999. %



MAT 7643

MT= 75 (n,n') Level
Cross Section

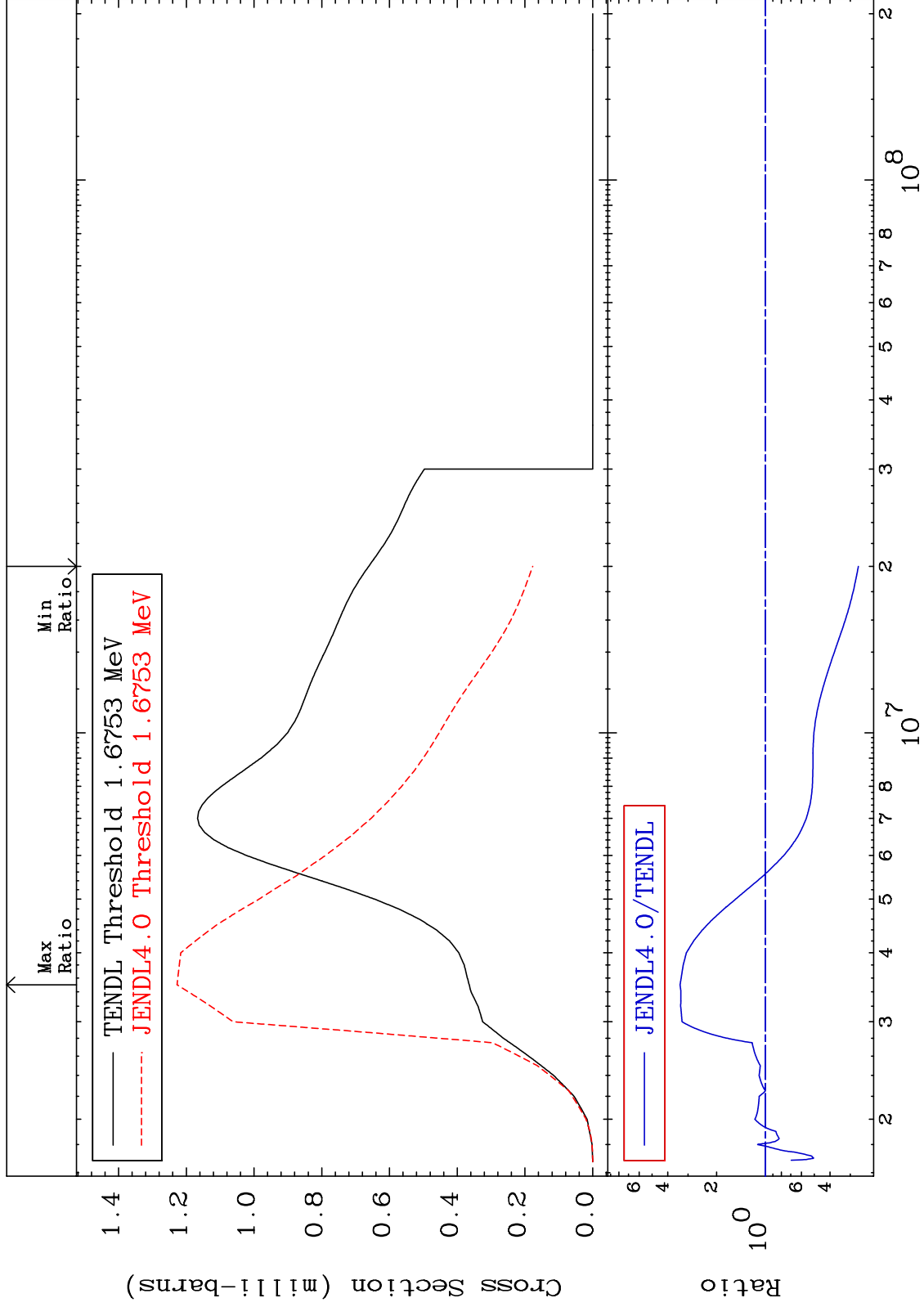
76-0s-190
-89.06 To 165.4 %



MAT 7643

MT= 76 (n,n') Level
Cross Section

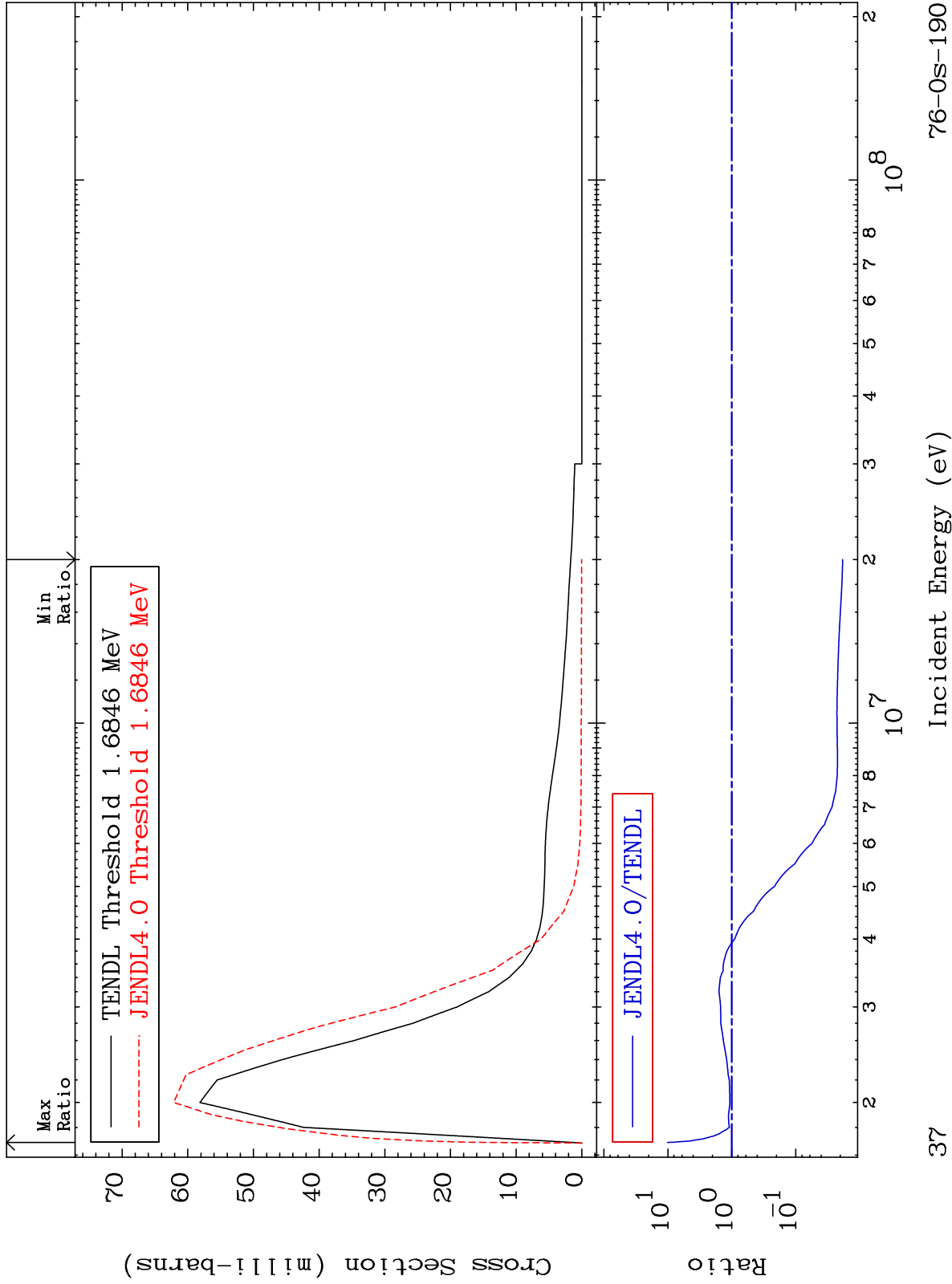
76-0s-190
-73.23 To 236.5 %



MAT 7643

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

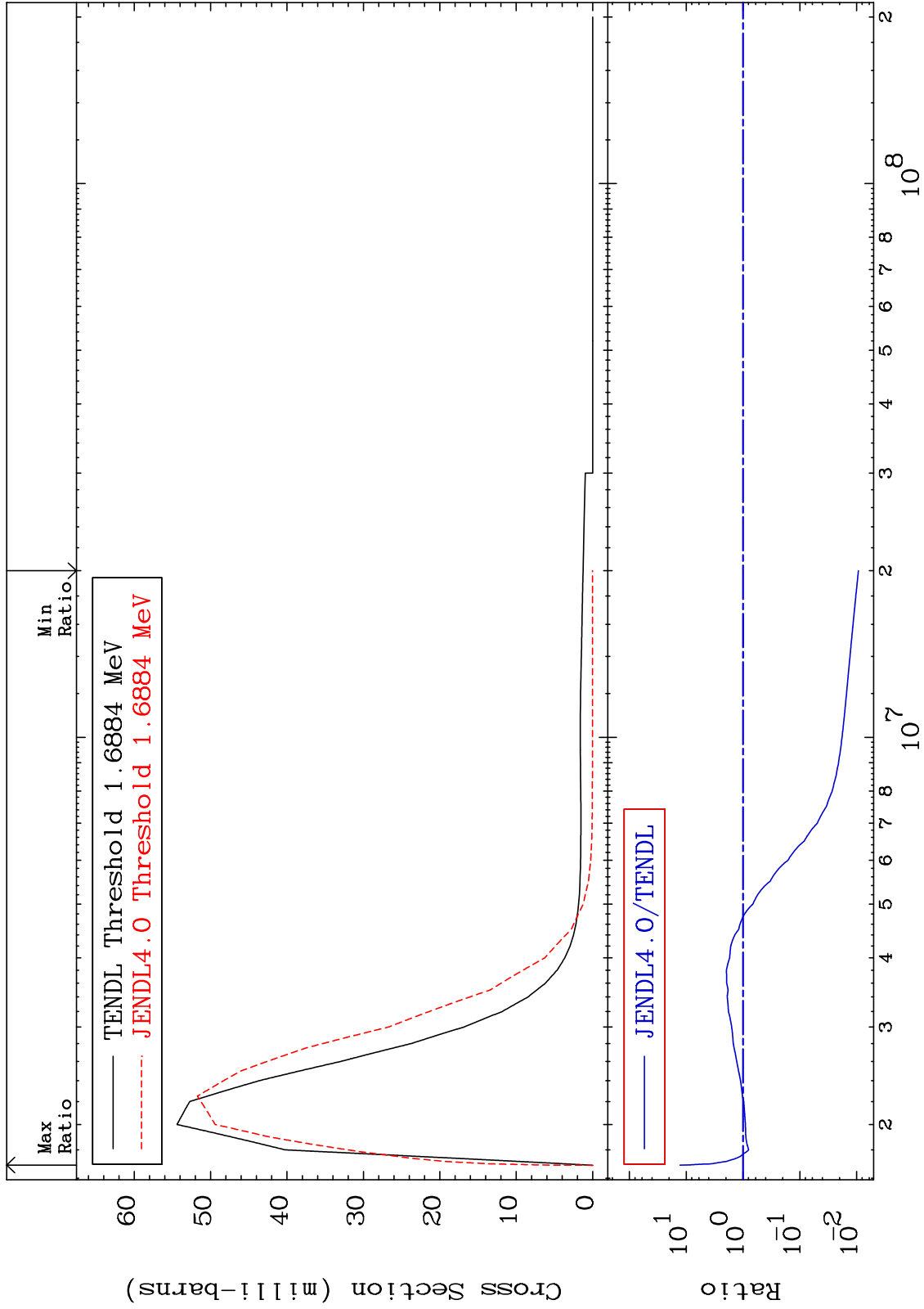
76-0s-190
-98.16 To 909.6 %



MAT 7643

MT= 78 (n,n') Level
Cross Section

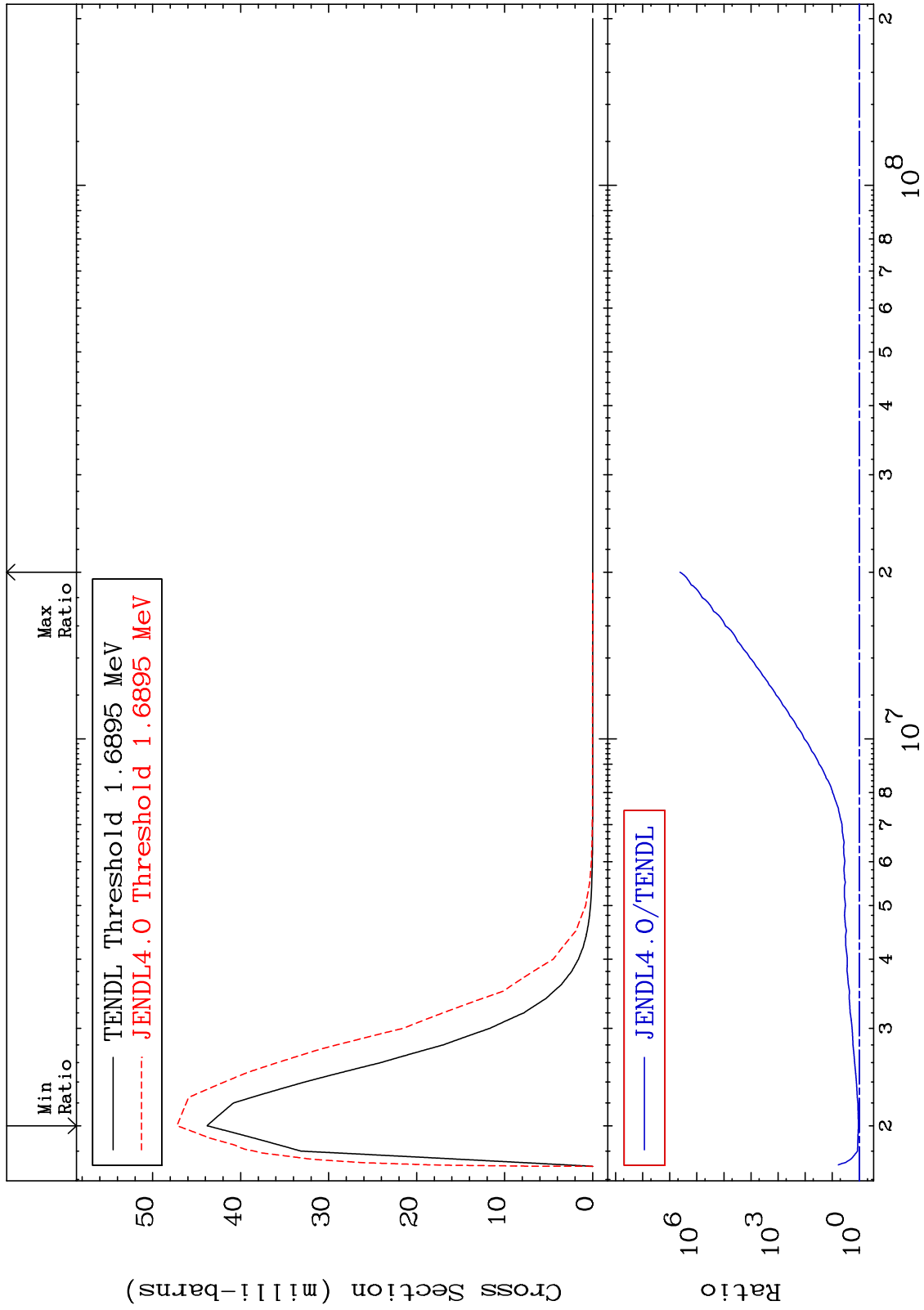
76-0s-190
-99.07 To 1186. %



MAT 7643

MT= 79 (n,n') Level
Cross Section

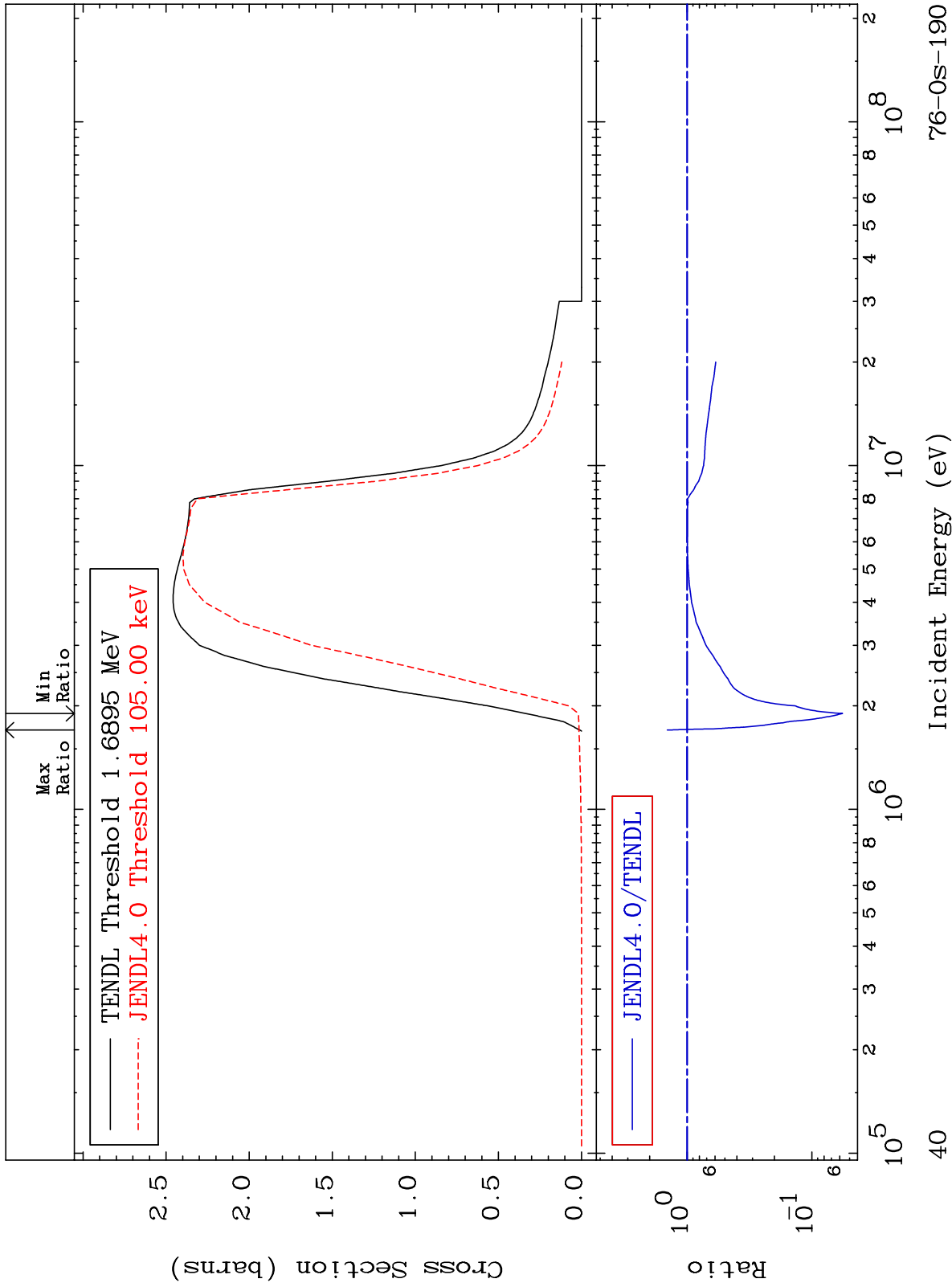
76-0s-190
7.770 To 9999. %



MAT 7643

(n, n') Continuum
Cross Section

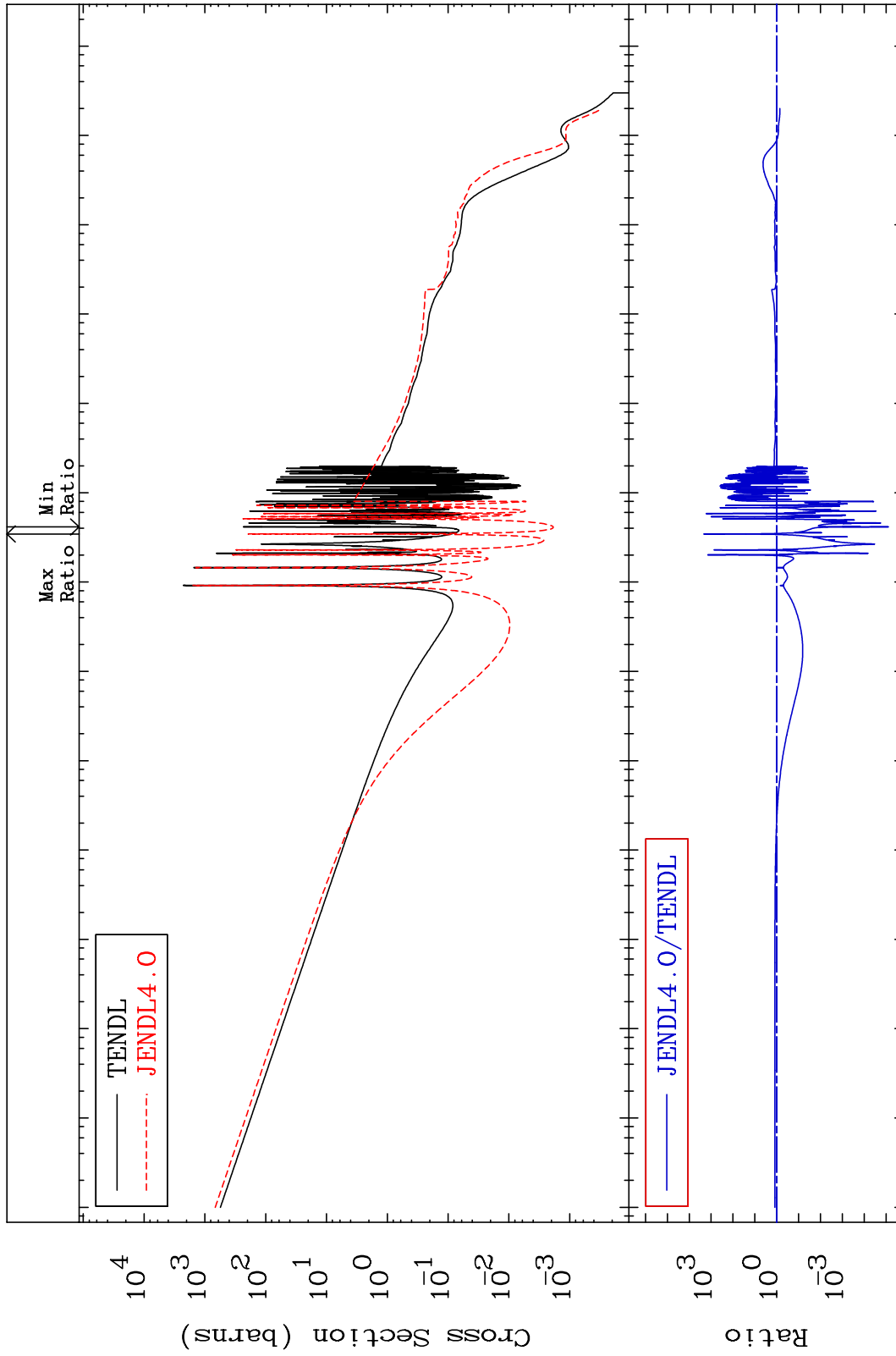
76-Os-190
-94.32 To 44.53 %



MAT 7643

(n, γ)
Cross Section

76-0s-190
-100.0 To 9999. %



Incident Energy (eV) 76-0s-190

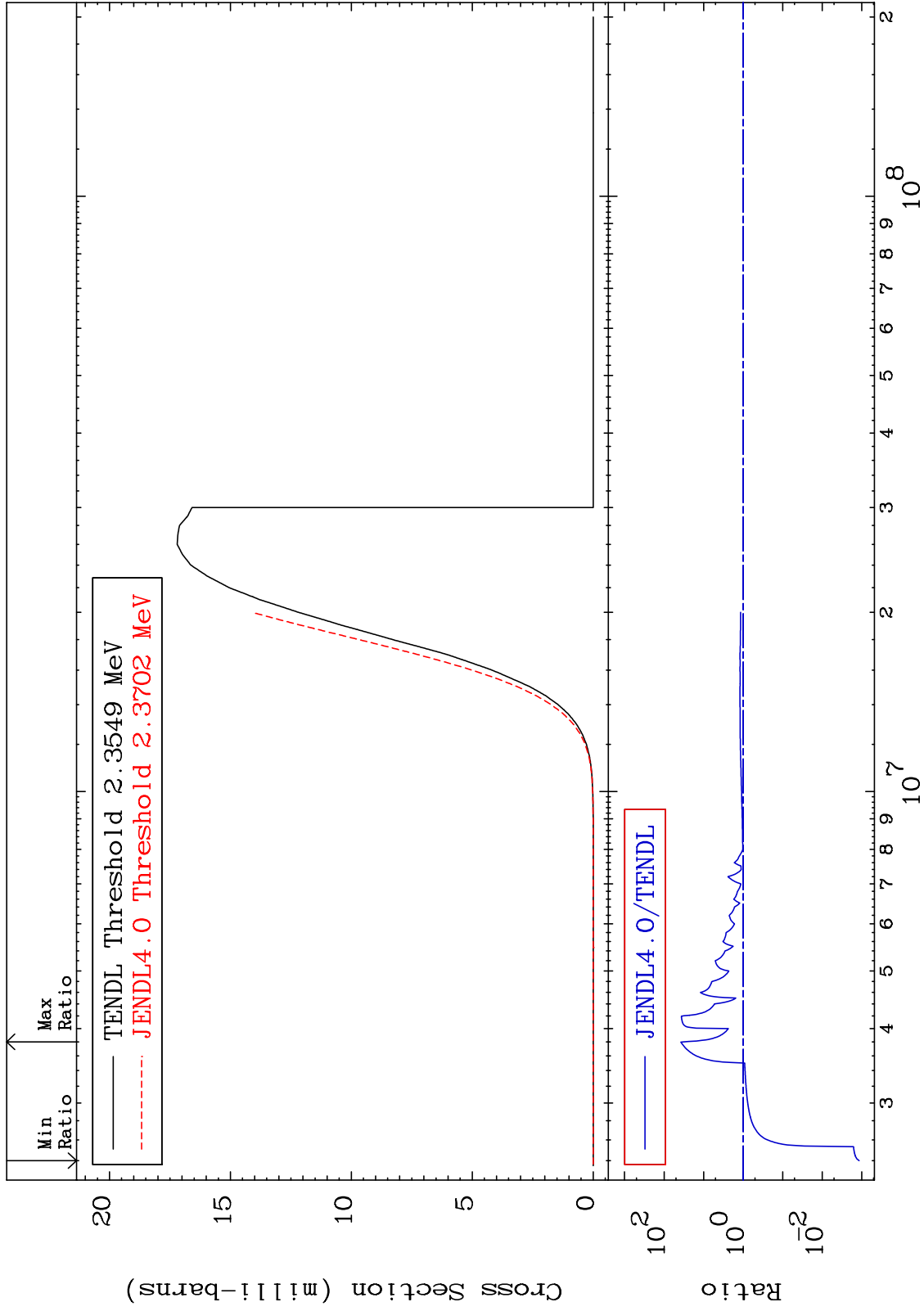
MAT 7643

(n,p)

76-0s-190

Cross Section

-99.88 To 3713. %



42

Incident Energy (eV)

76-0s-190

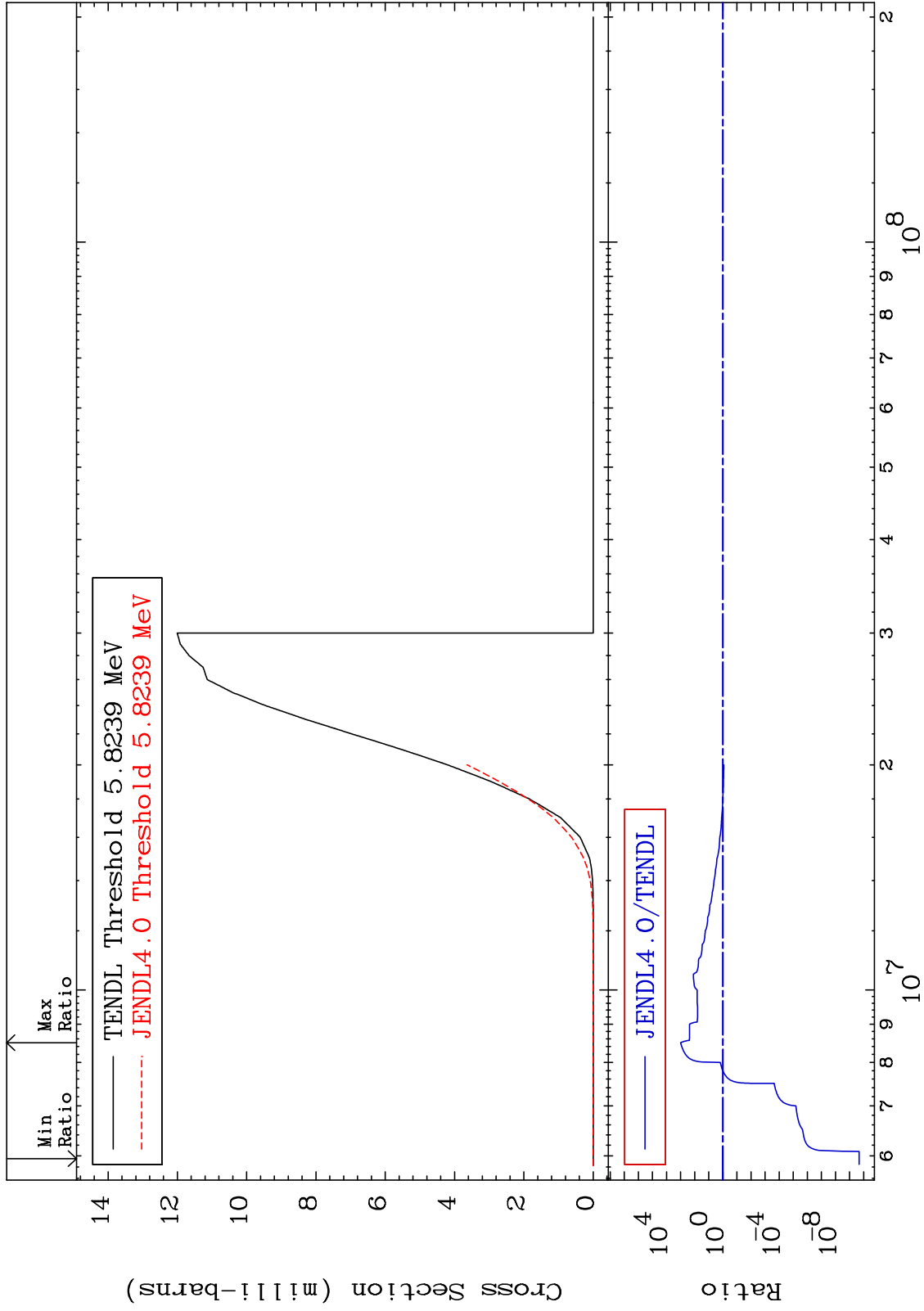
MAT 7643

(n, d)

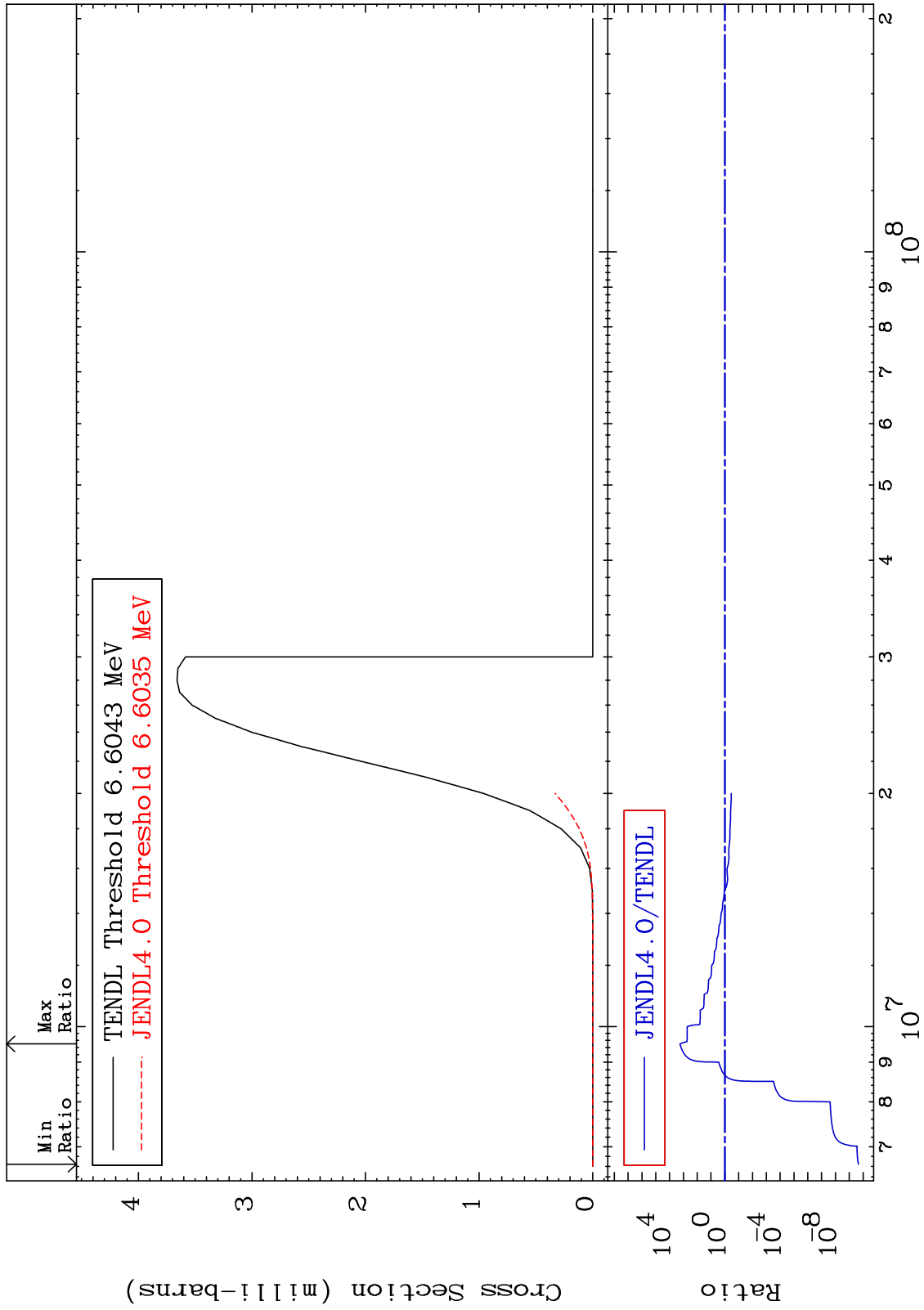
76-0s-190

Cross Section

-100.0 To 9999. %



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



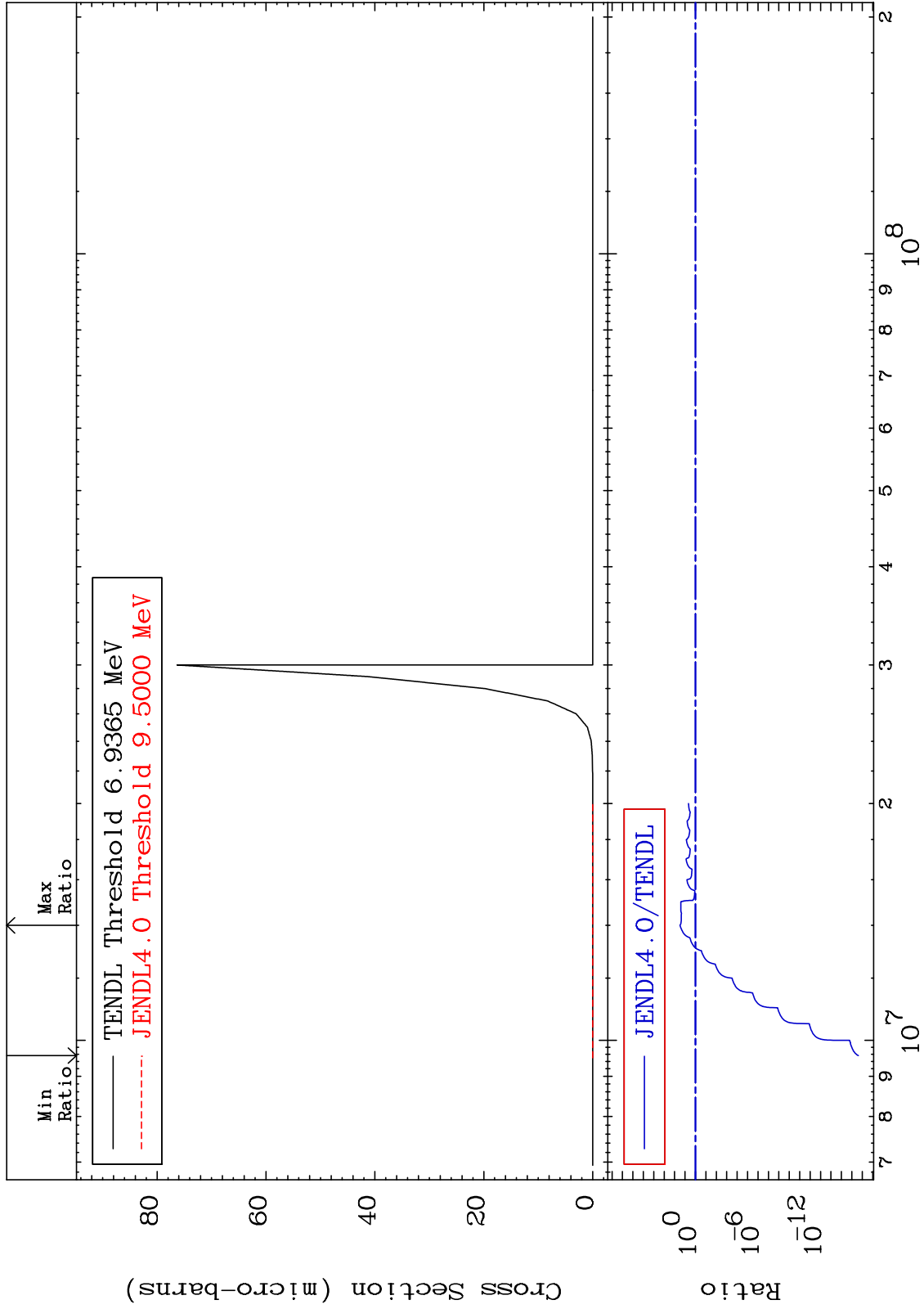
MAT 7643

(n, He-3)

76-0s-190

Cross Section

-100.0 To 2915. %



45

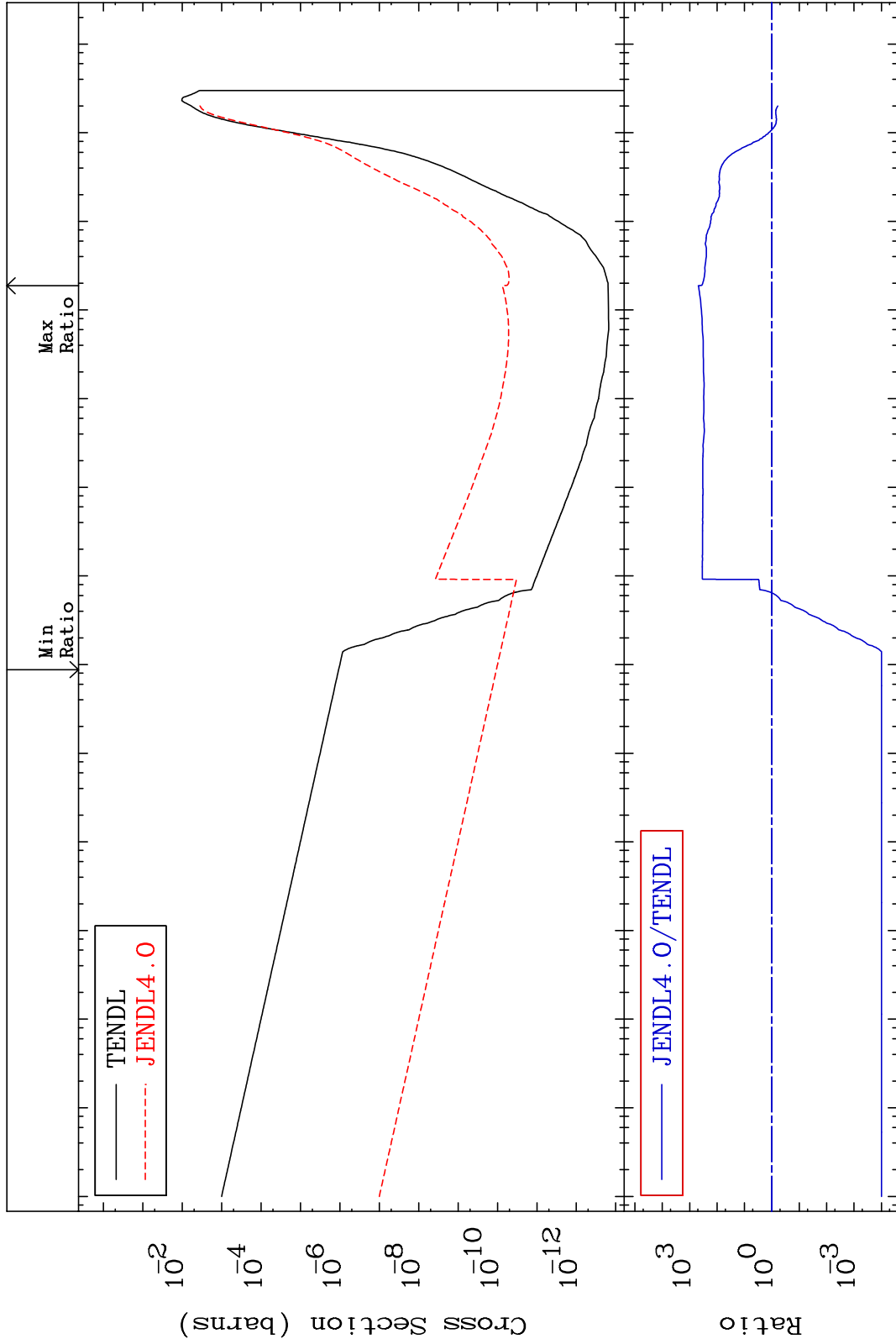
Incident Energy (eV)

76-0s-190

MAT 7643

(n, α)
Cross Section

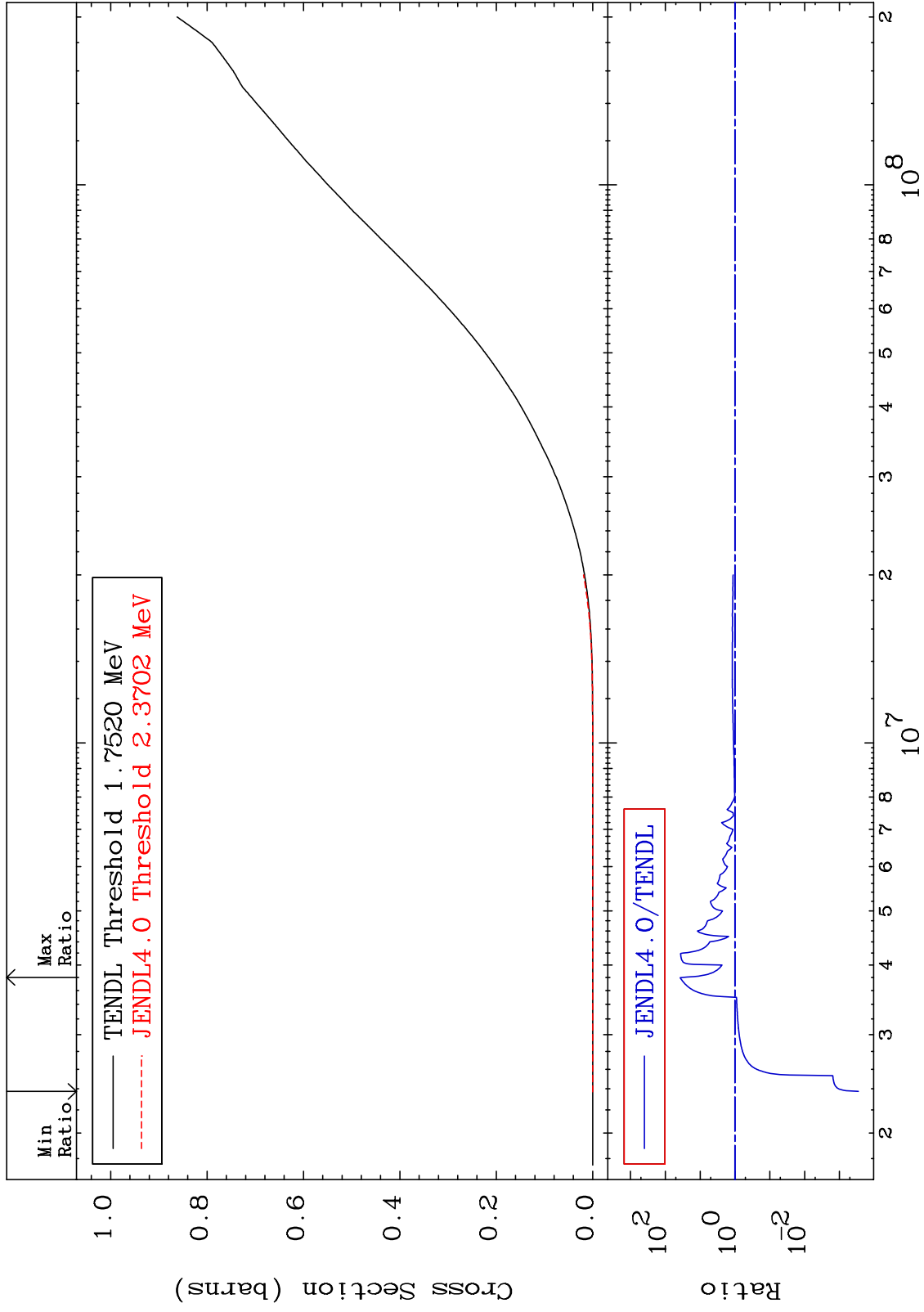
76-0s-190
-99.99 To 9999. %



MAT 7643

Hydrogen Production
Cross Section

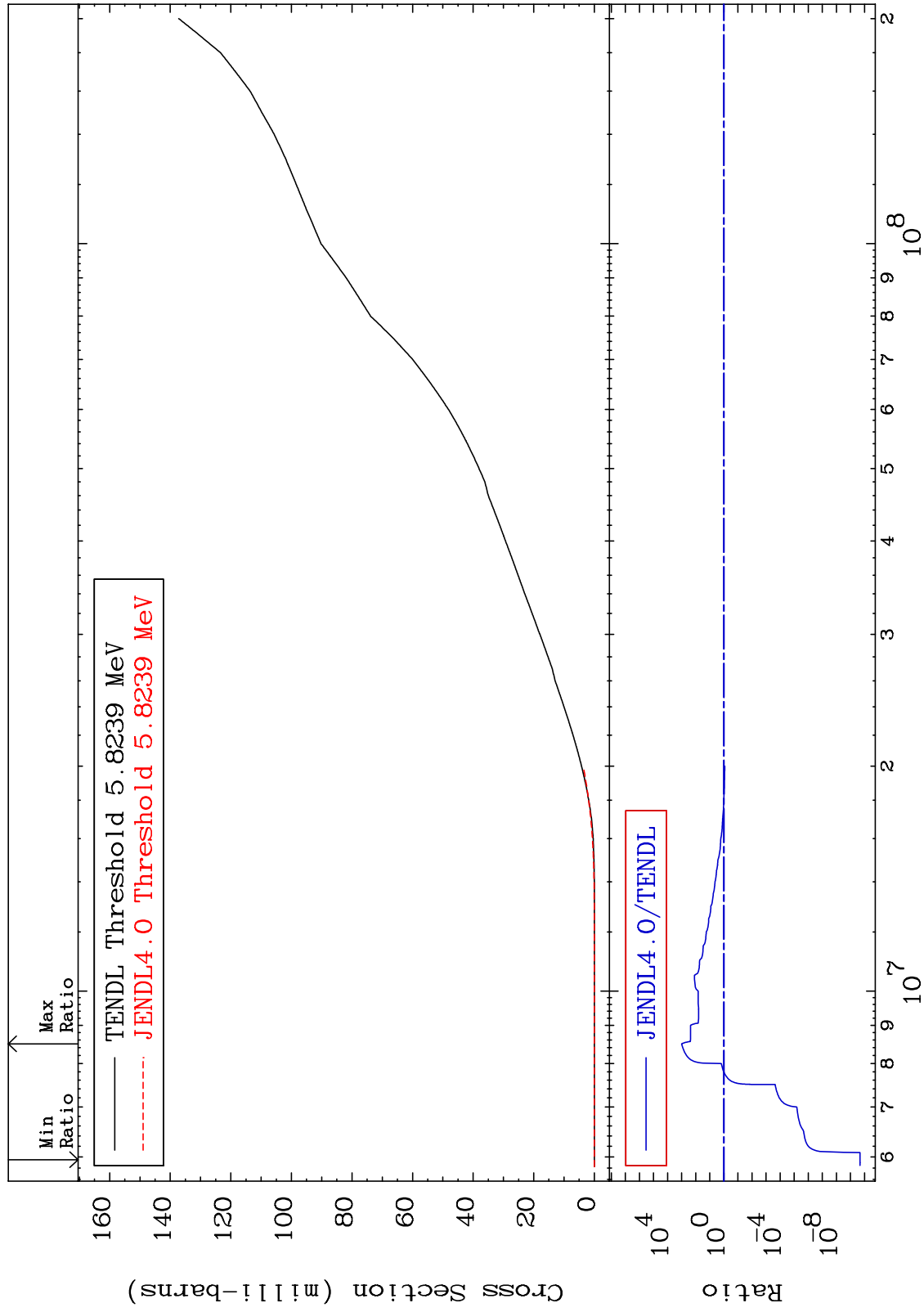
76-0s-190
-99.97 To 3679. %



MAT 7643

Deuterium Production
Cross Section

76-0s-190
-100.0 To 9999. %



48

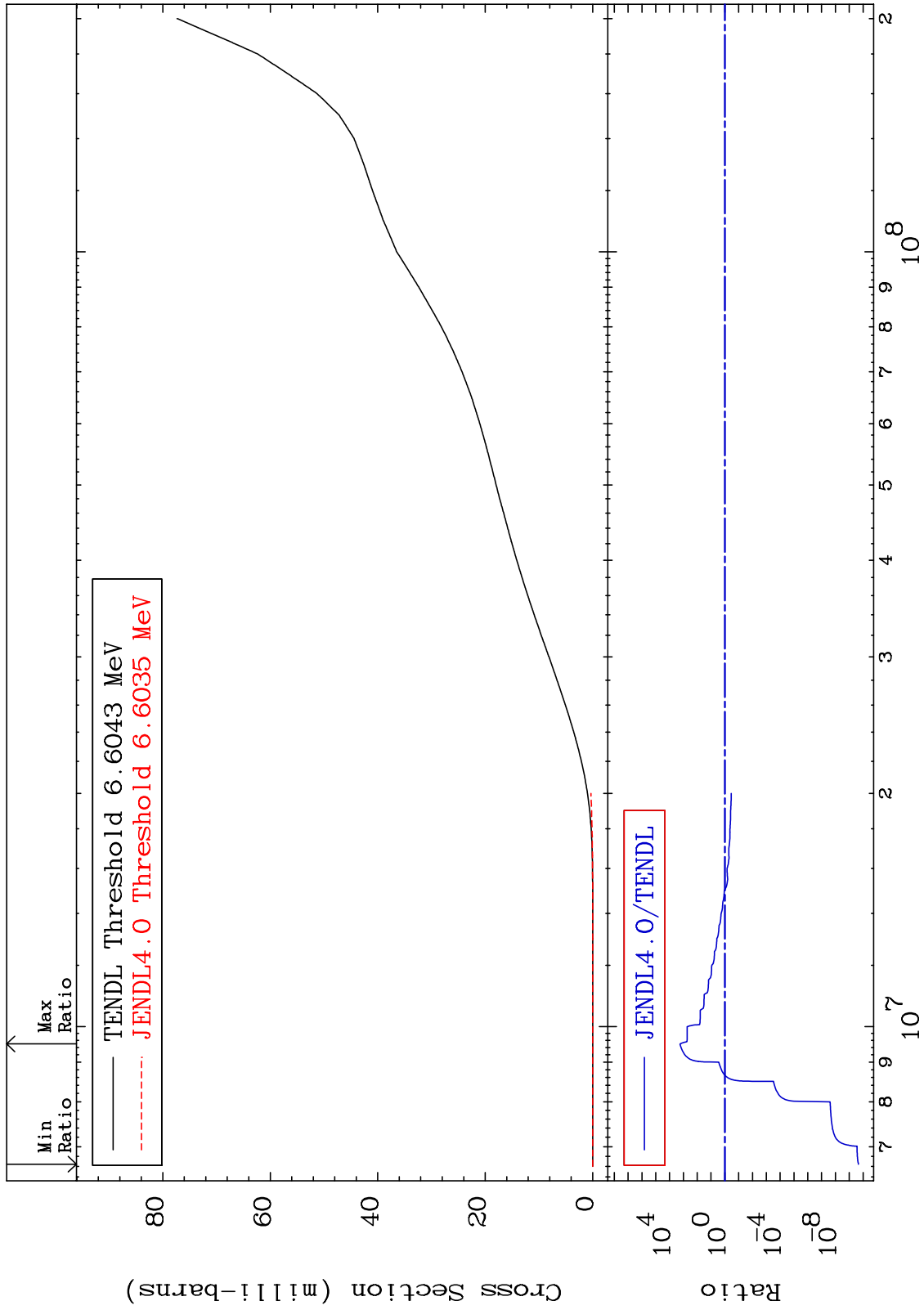
Incident Energy (eV)

76-0s-190

MAT 7643

Tritium Production
Cross Section

76-0s-190
-100.0 To 9999. %



49

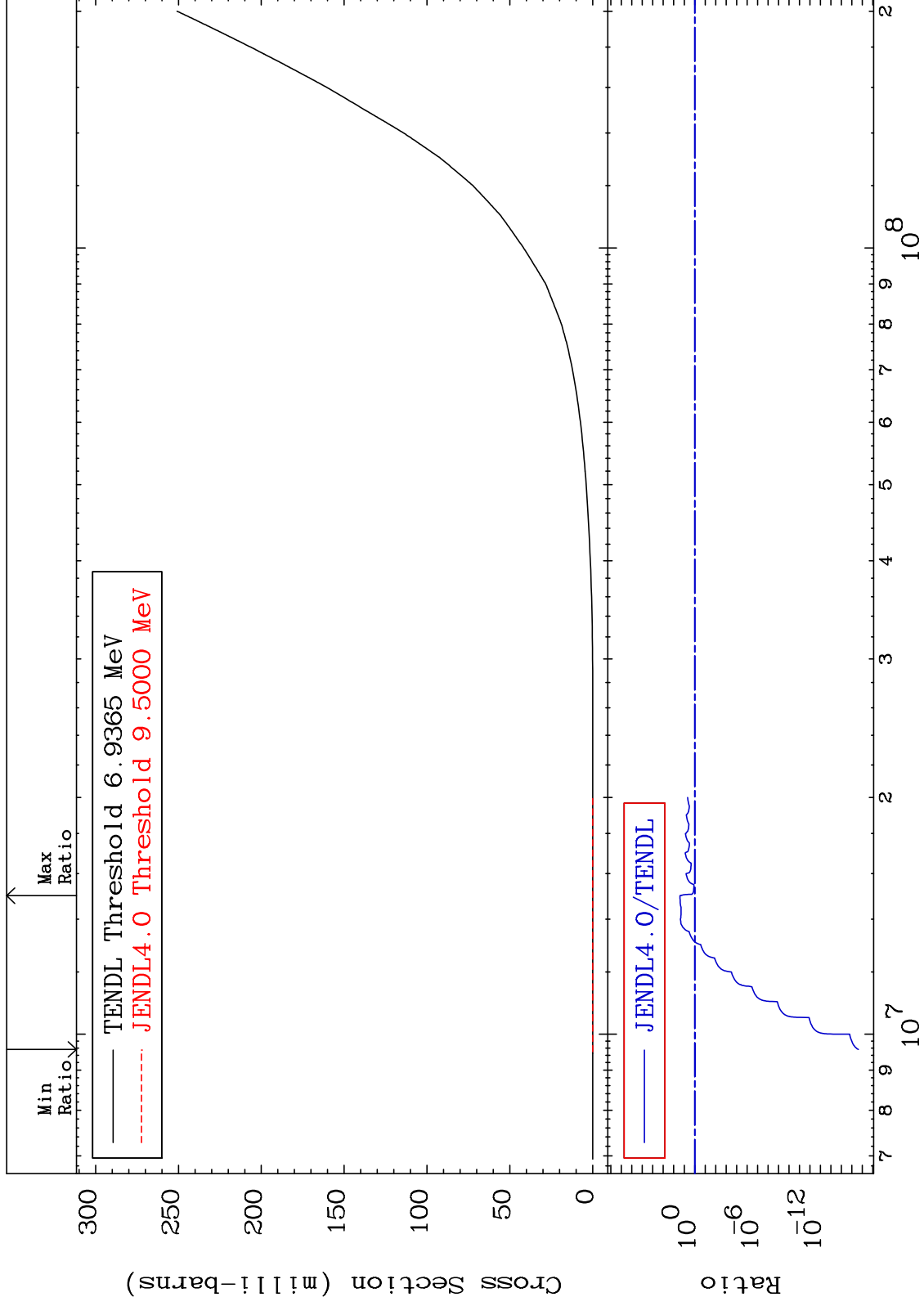
Incident Energy (eV)

76-0s-190

MAT 7643

He-3 Production
Cross Section

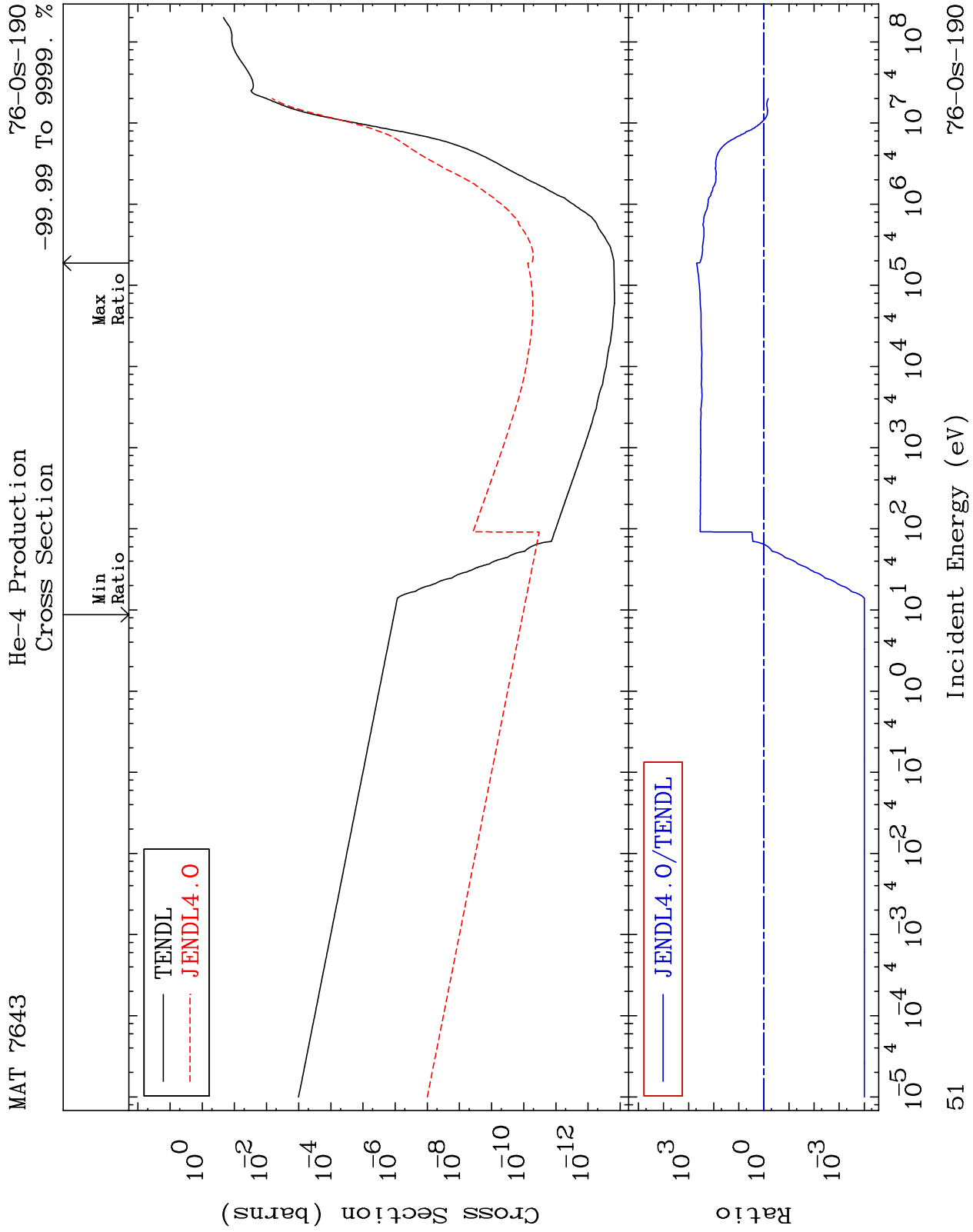
76-0s-190
-100.0 To 2410. %



50

Incident Energy (eV)

76-0s-190



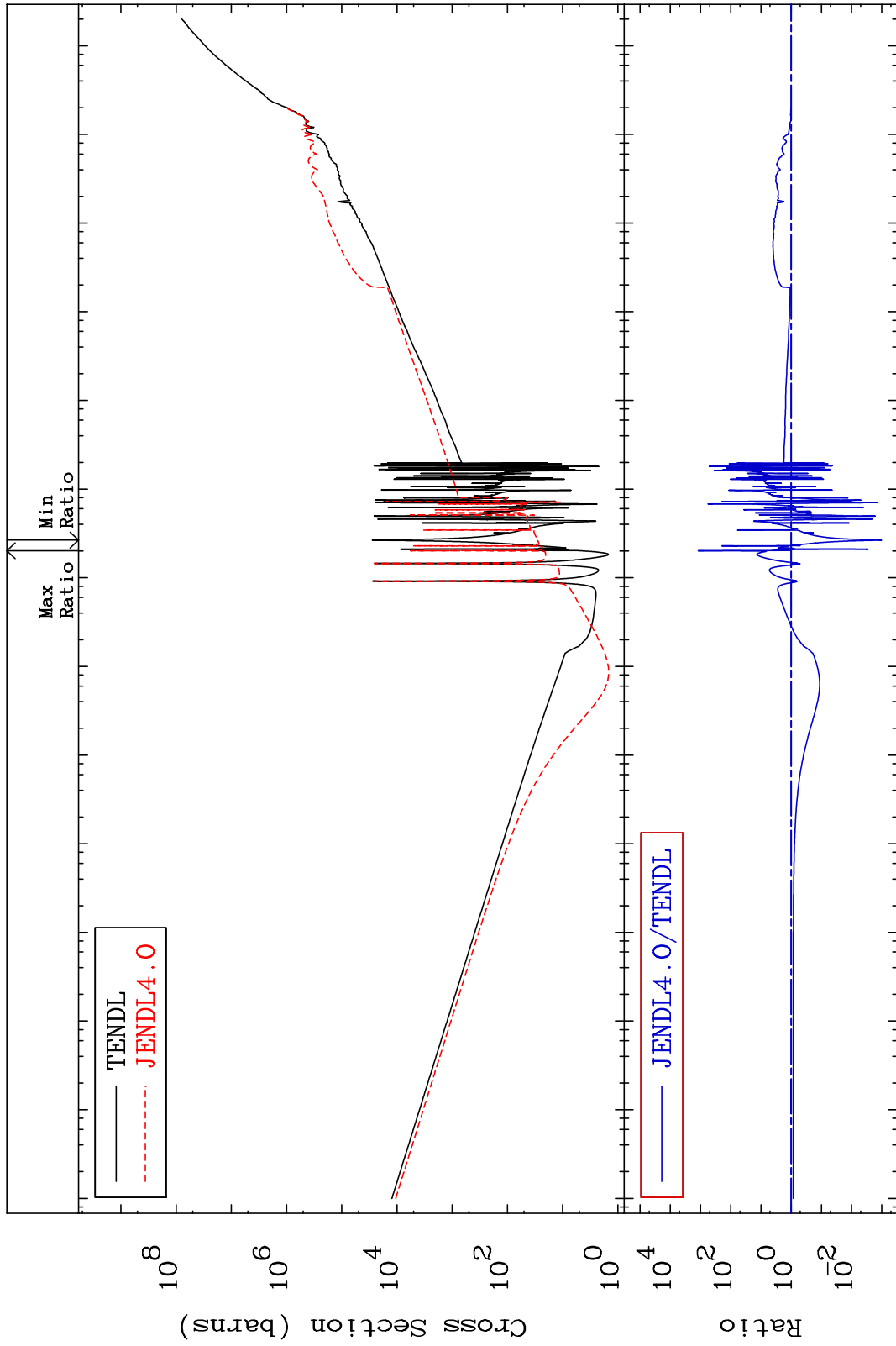
MAT 7643

Kerma total (eV-barns)

76-0s-190

-99.90 To 9999. %

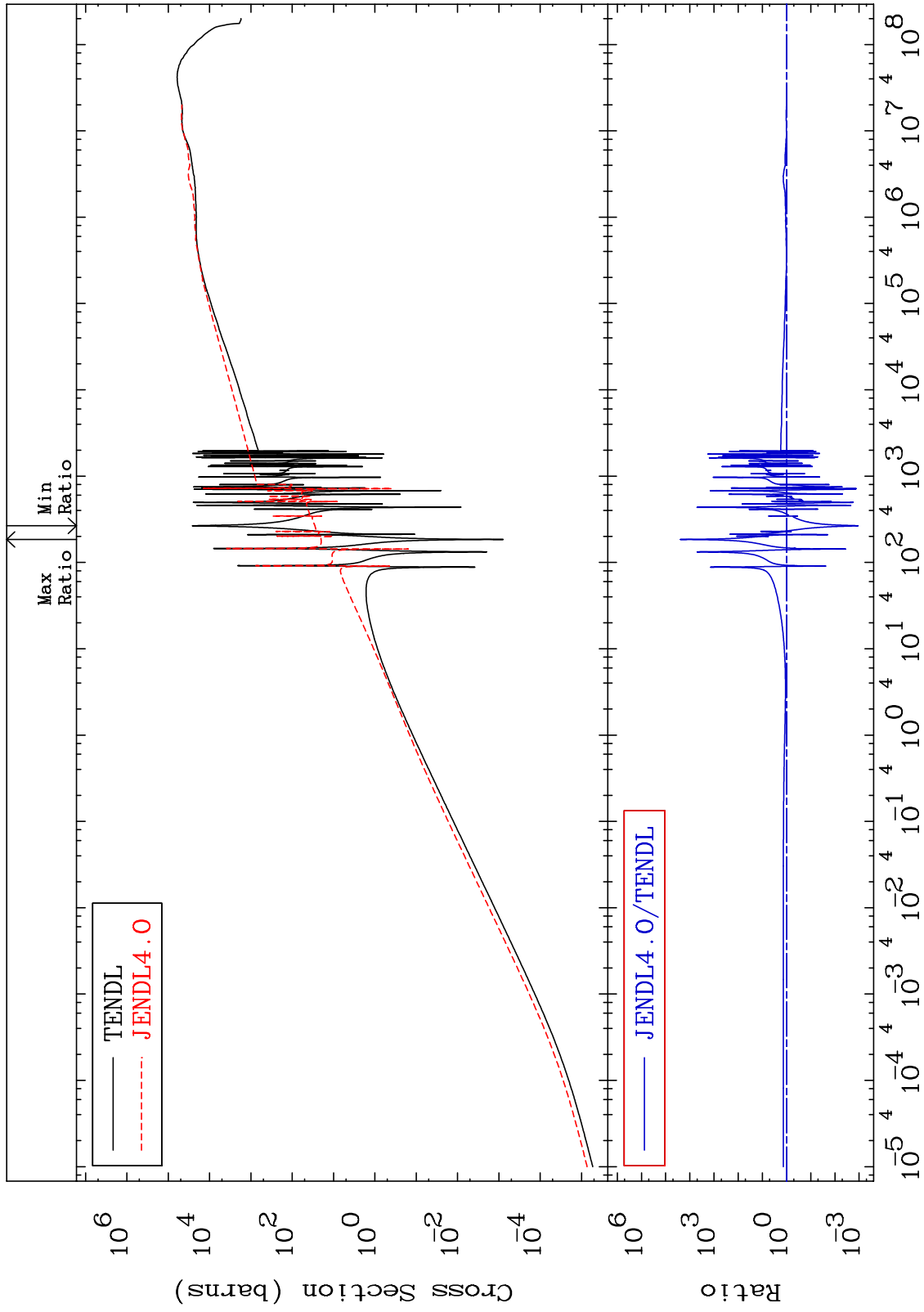
Cross Section



MAT 7643

Kerma elastic
Cross Section

76-0s-190
-99.89 To 9999. %



53

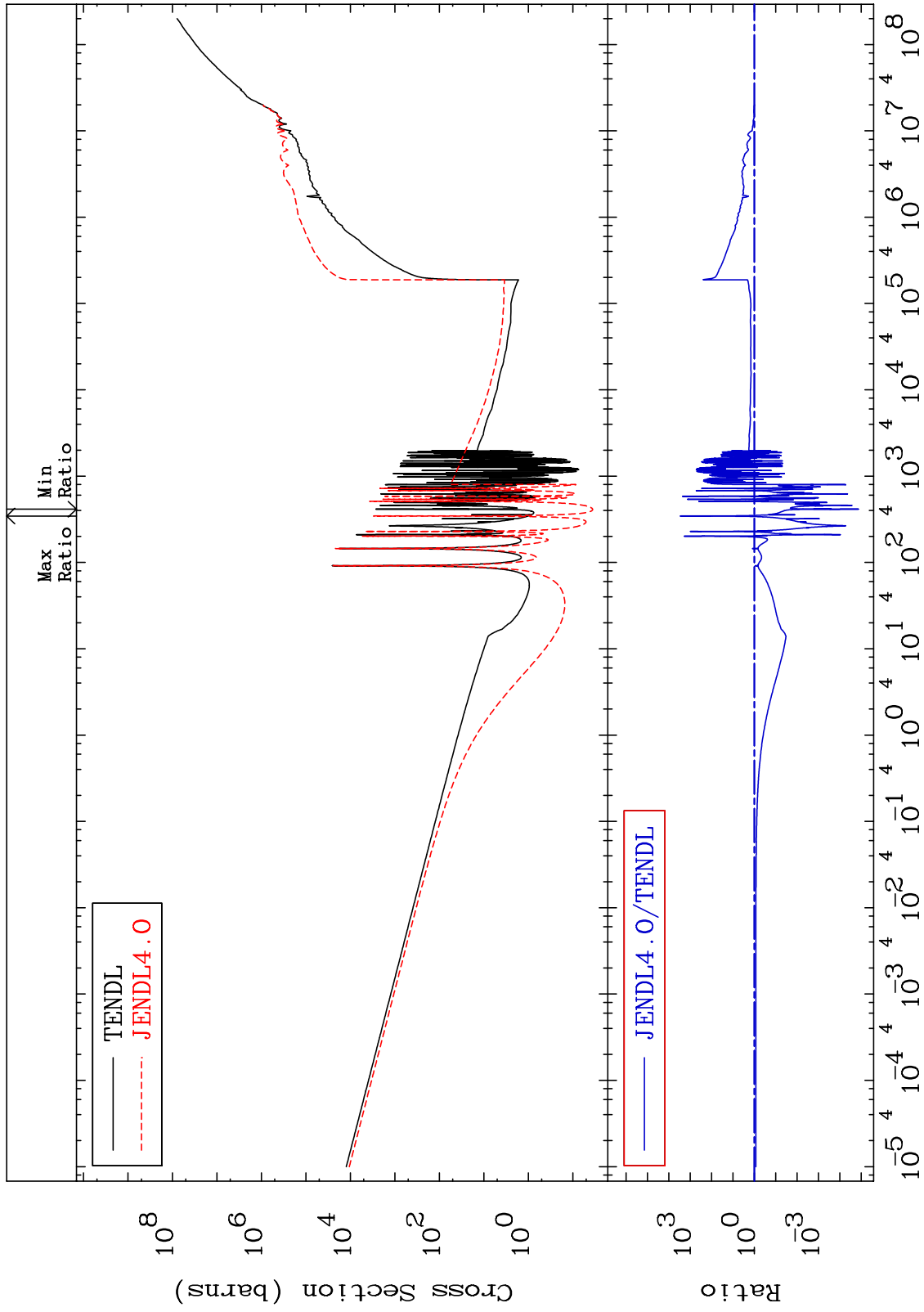
Incident Energy (eV)

76-0s-190

MAT 7643

Kerma non-elastic (all but mt2)
Cross Section

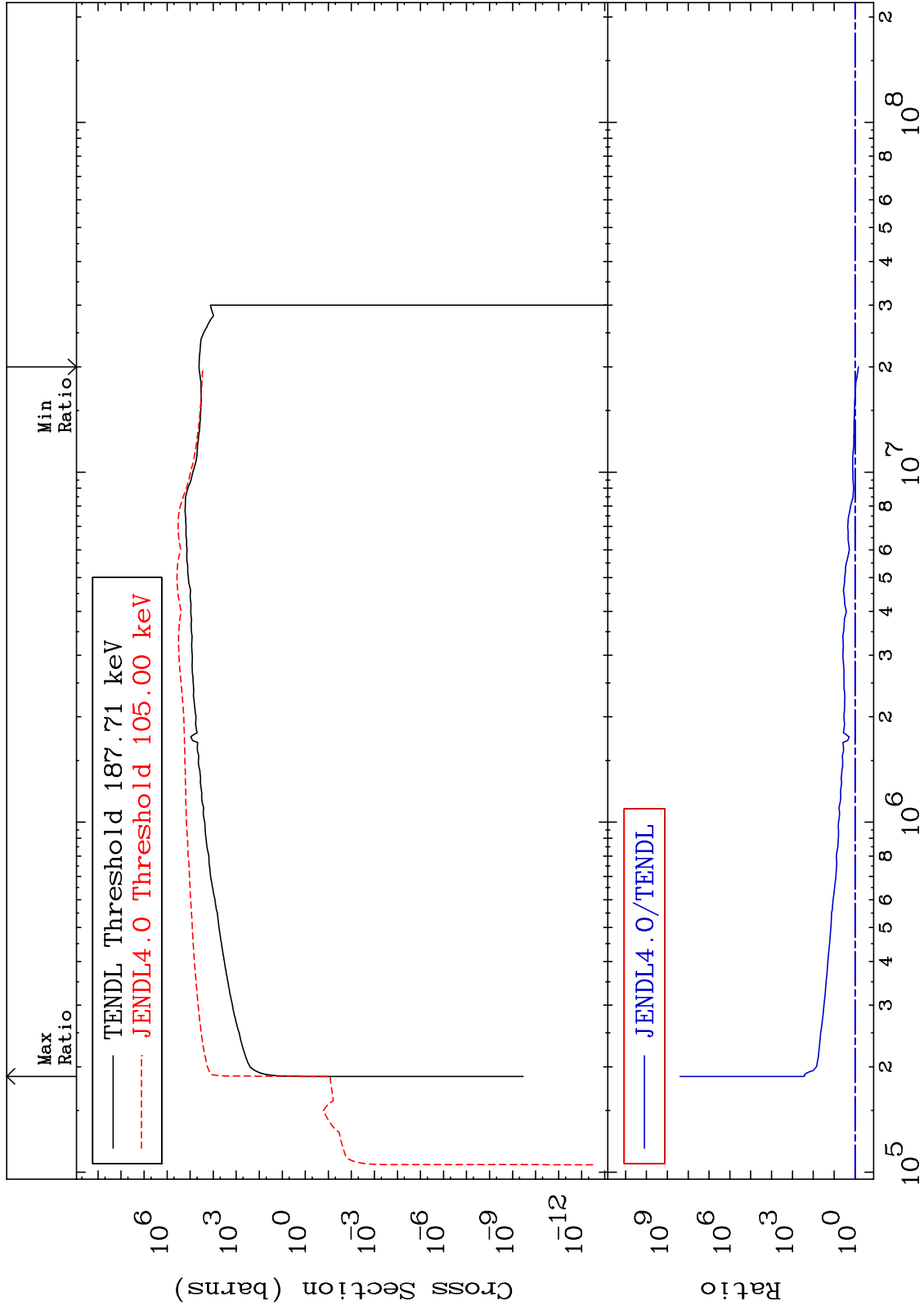
76-0s-190
-100.0 To 9999. %



MAT 7643

Kerma inelastic (mt51-91)
Cross Section

76-0s-190
-31.32 To 9999. %



55

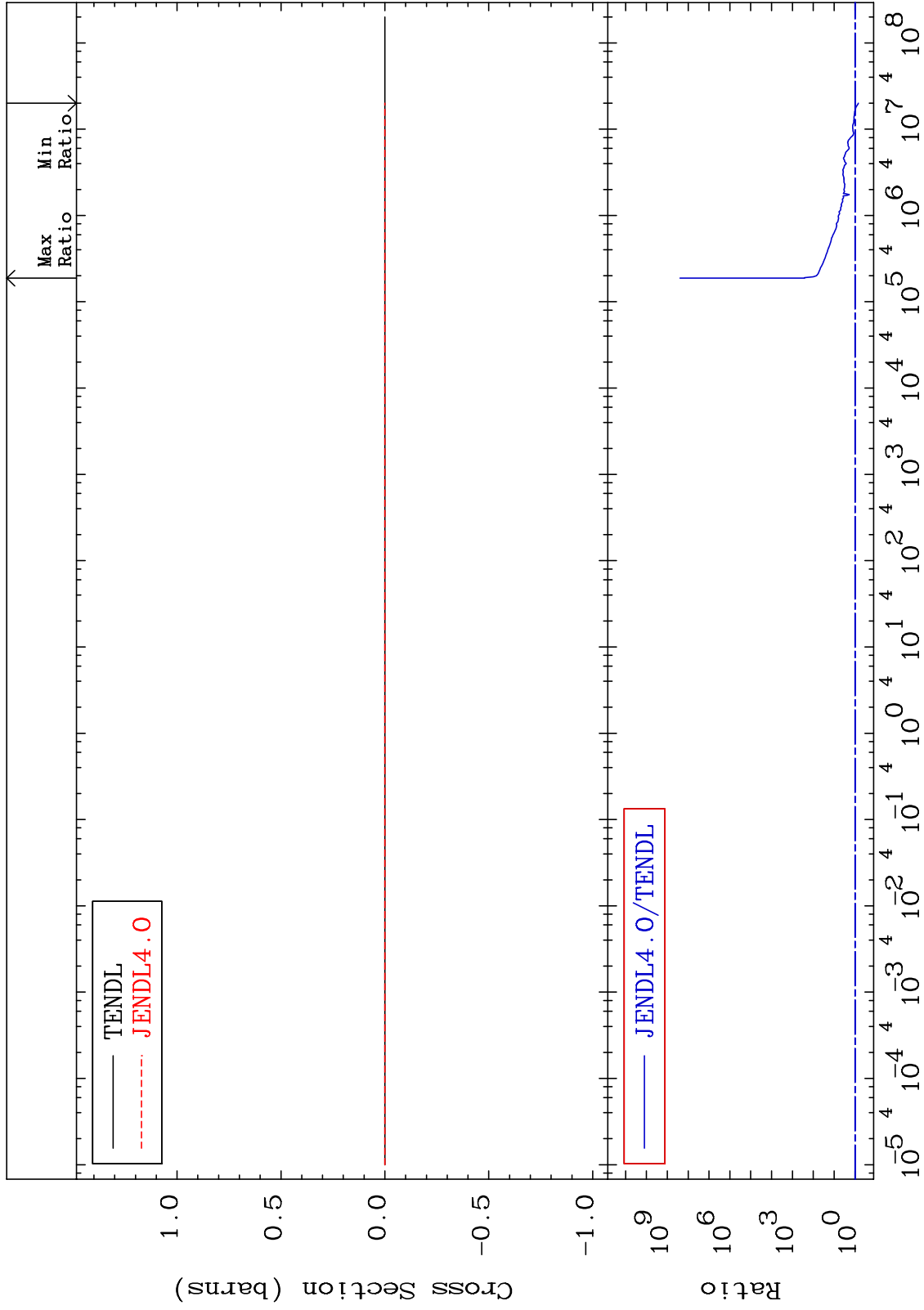
Incident Energy (eV)

76-0s-190

MAT 7643

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

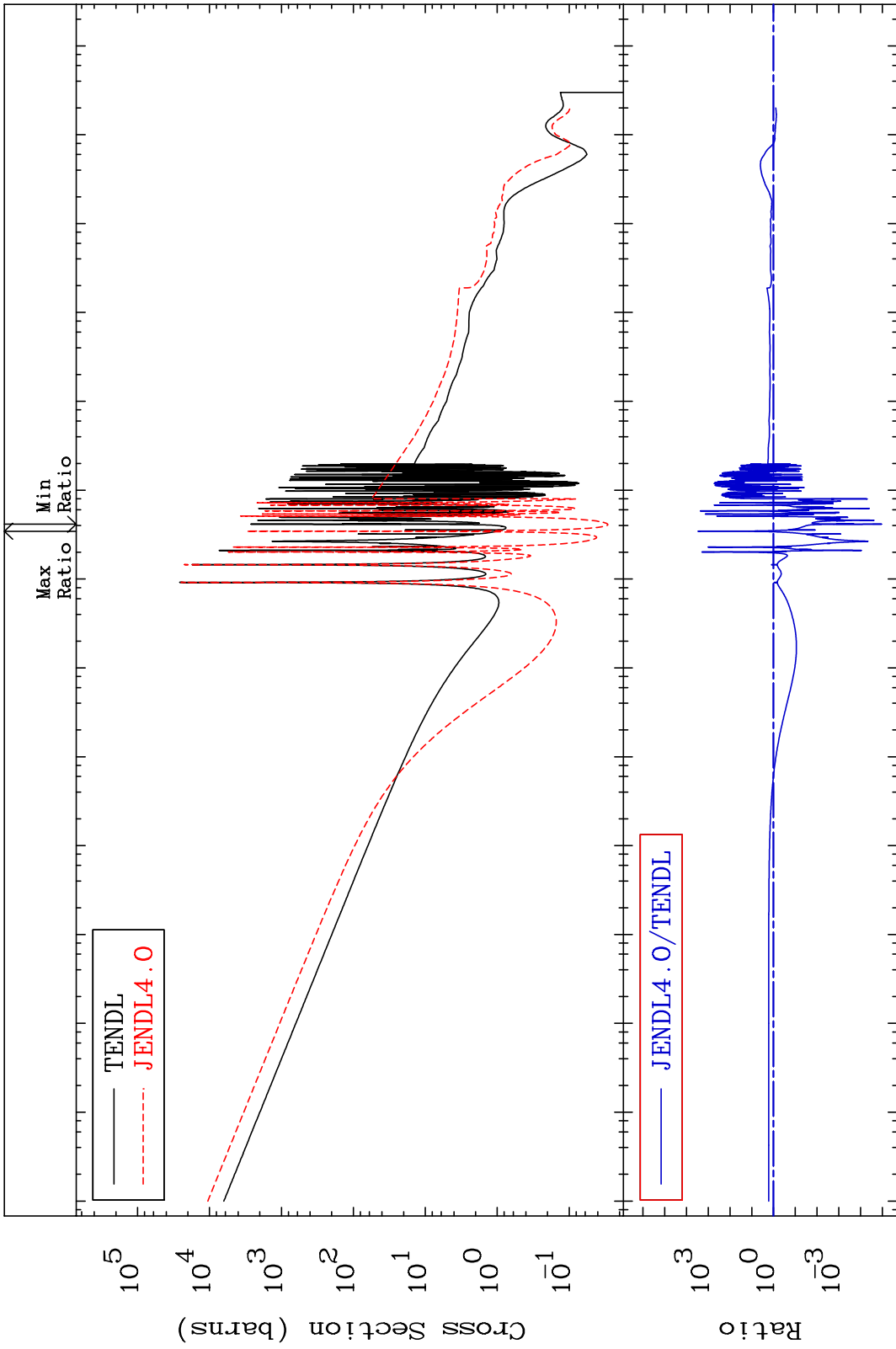
76-0s-190
-31.32 To 9999. %



MAT 7643

Kerma capture (mt102)
Cross Section

76-0s-190
-100.0 To 9999. %



57

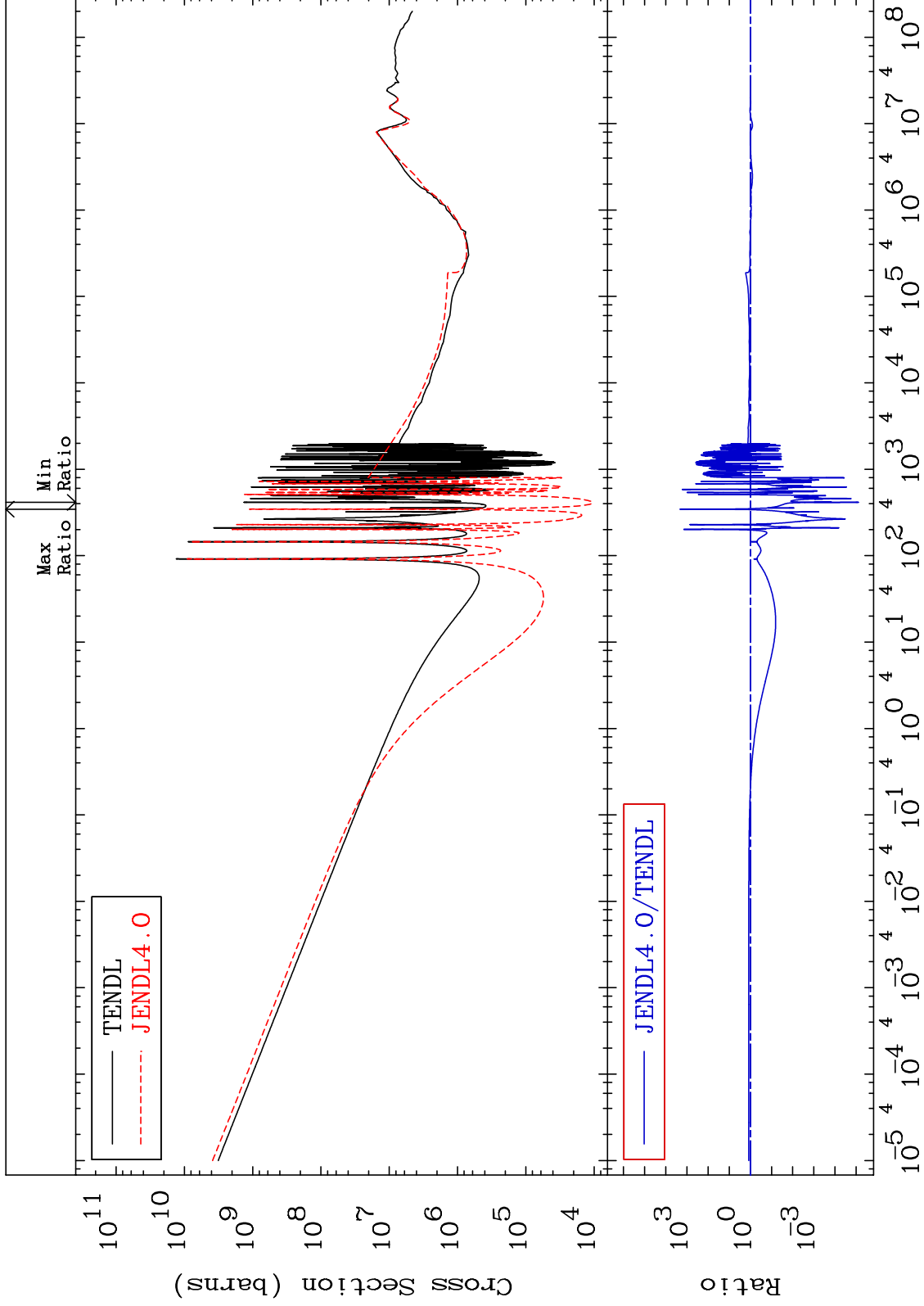
Incident Energy (eV)

76-0s-190

MAT 7643

Total photon (eV-barns)
Cross Section

76-0s-190
-100.0 To 9999. %



58

Incident Energy (eV)

76-0s-190

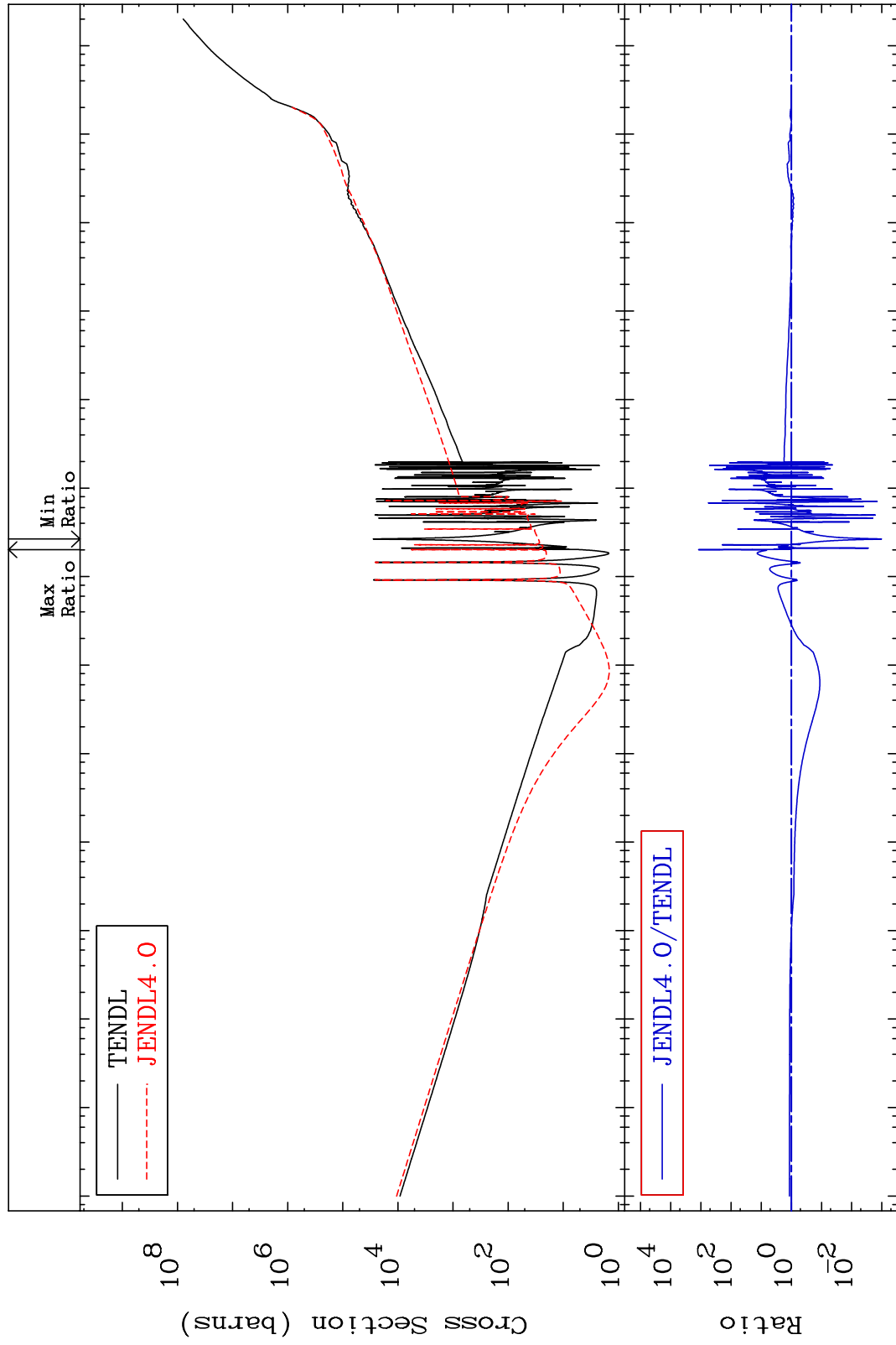
MAT 7643

Total kinematic kerma (high limit)

76-0s-190

-99.90 To 9999. %

Cross Section



59

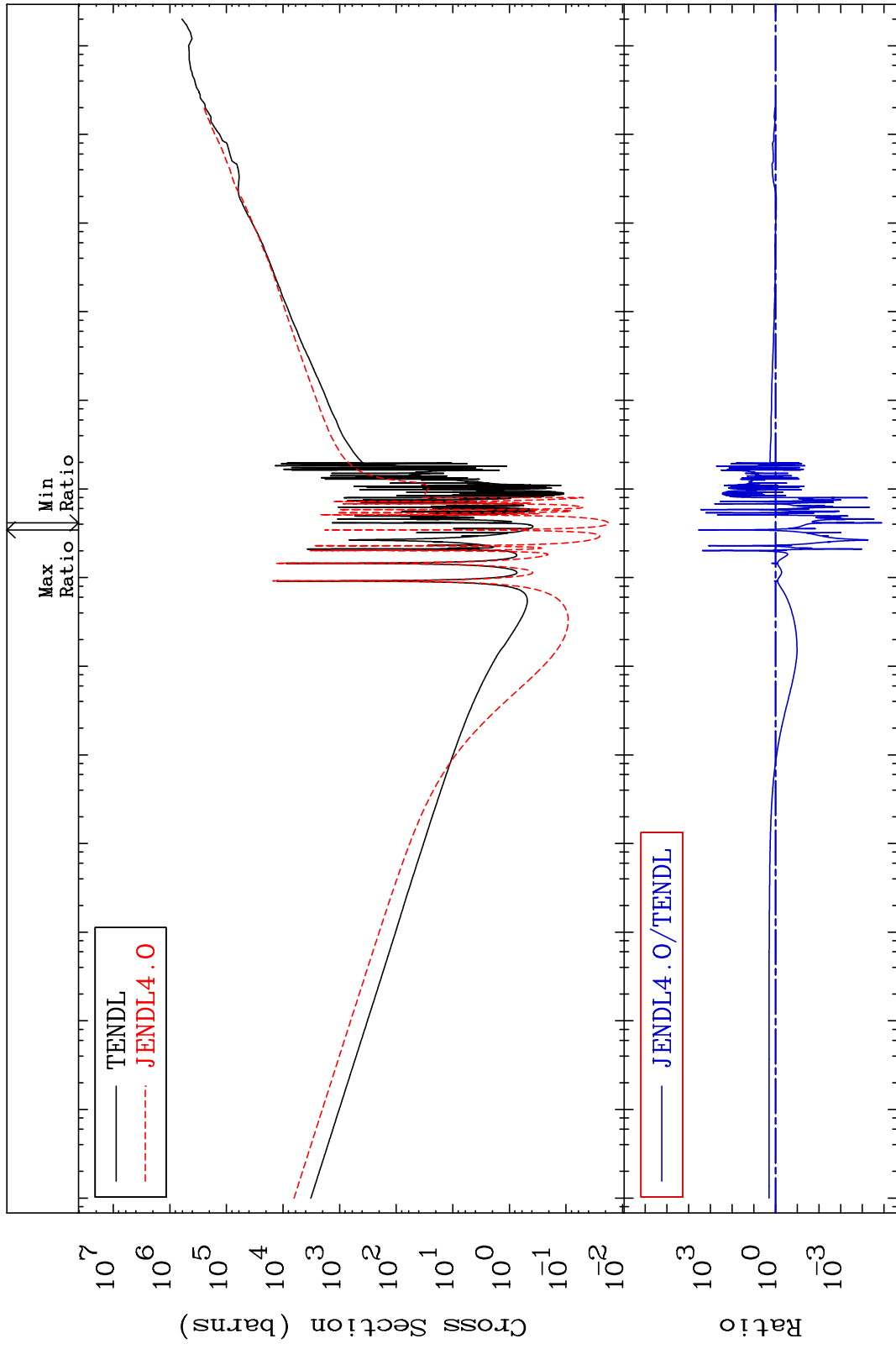
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa total (eV-barns)
Cross Section

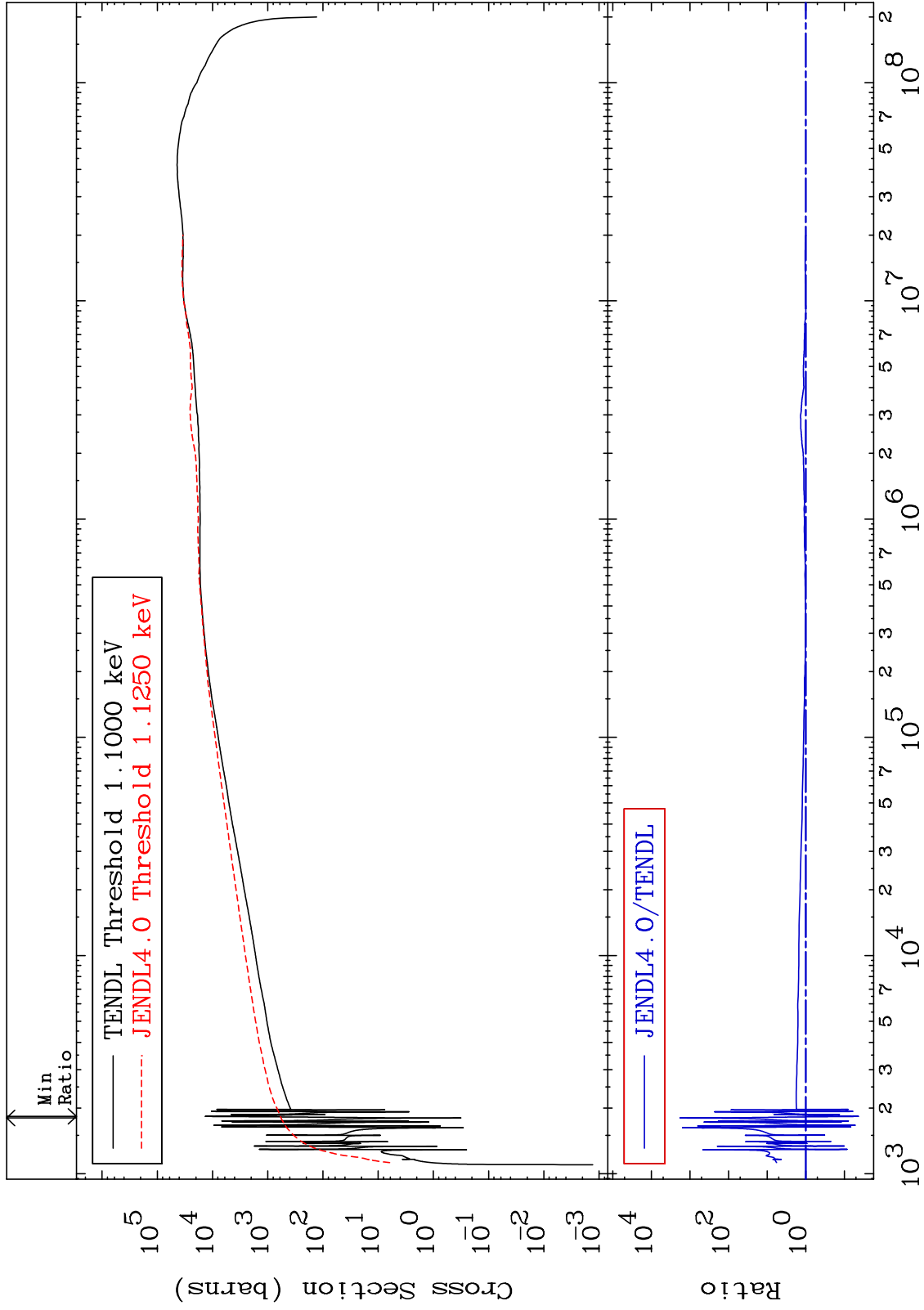
76-0s-190
-100.0 To 9999. %



MAT 7643

Dpa elastic (mt2)
Cross Section

76-0s-190
-95.68 To 9999. %



61

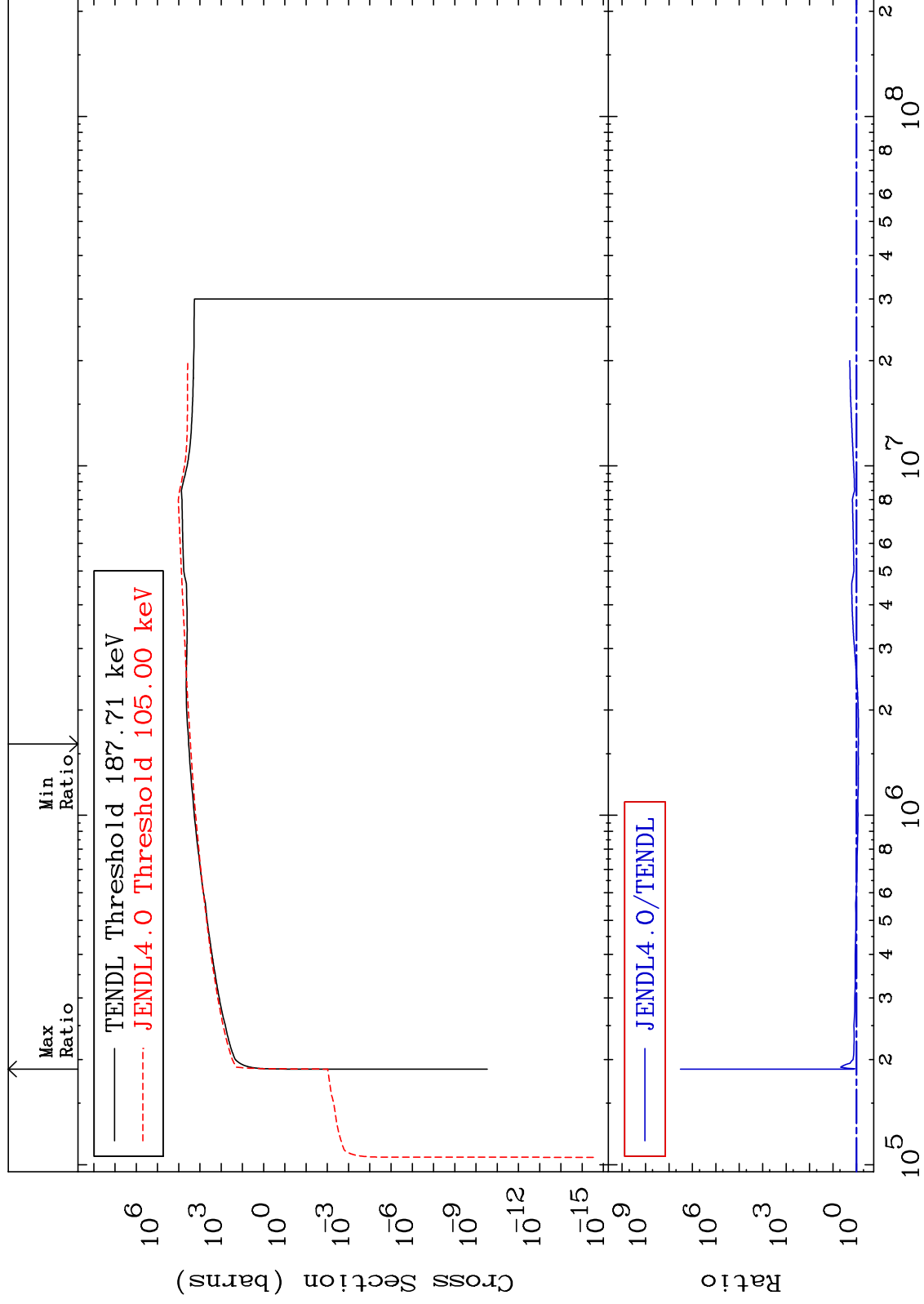
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa inelastic (mt51-91)
Cross Section

76-0s-190
-18.66 To 9999. %



62

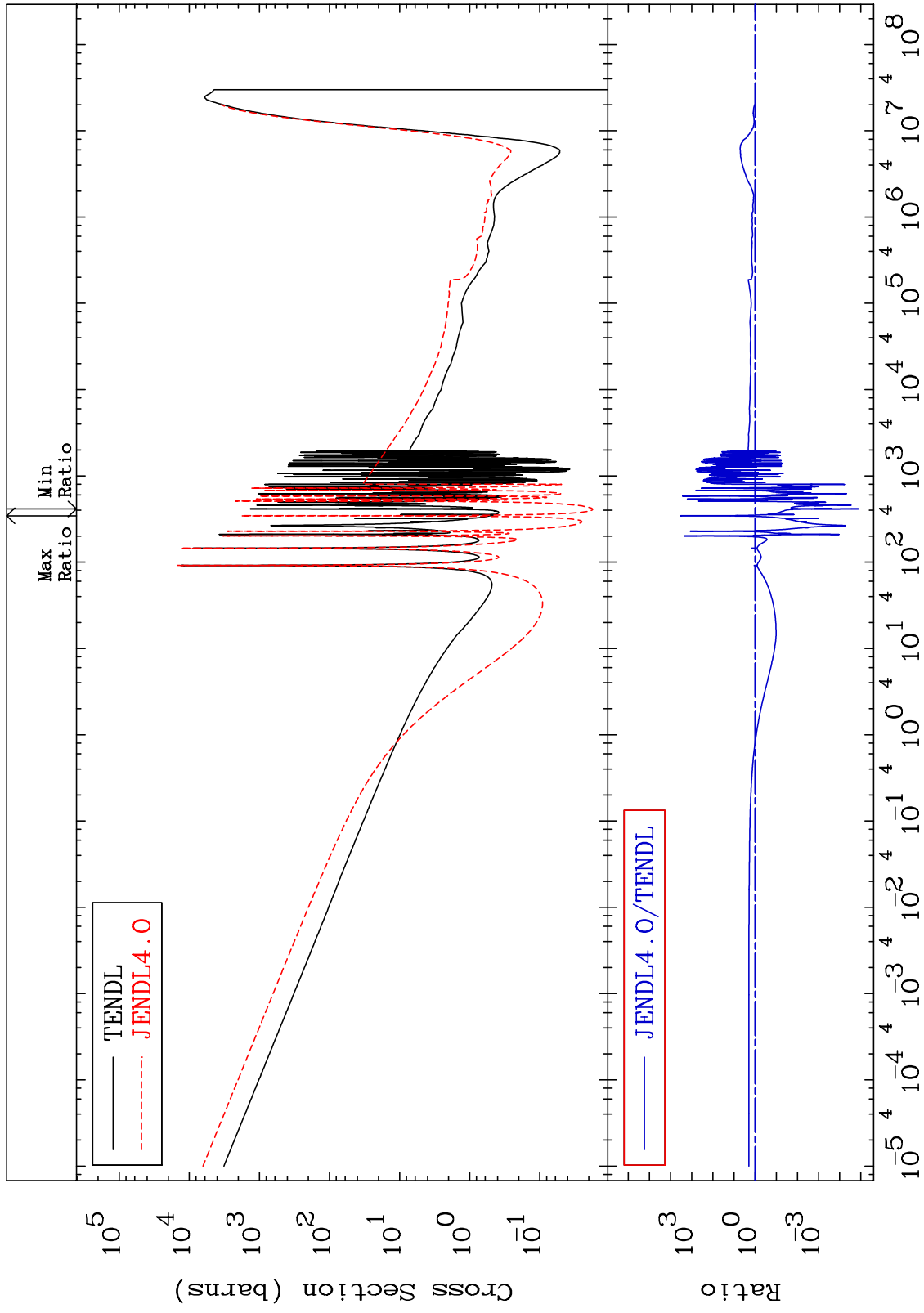
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa disappearance (mt102 -120)
Cross Section

76-0s-190
-100.0 To 9999. %



63

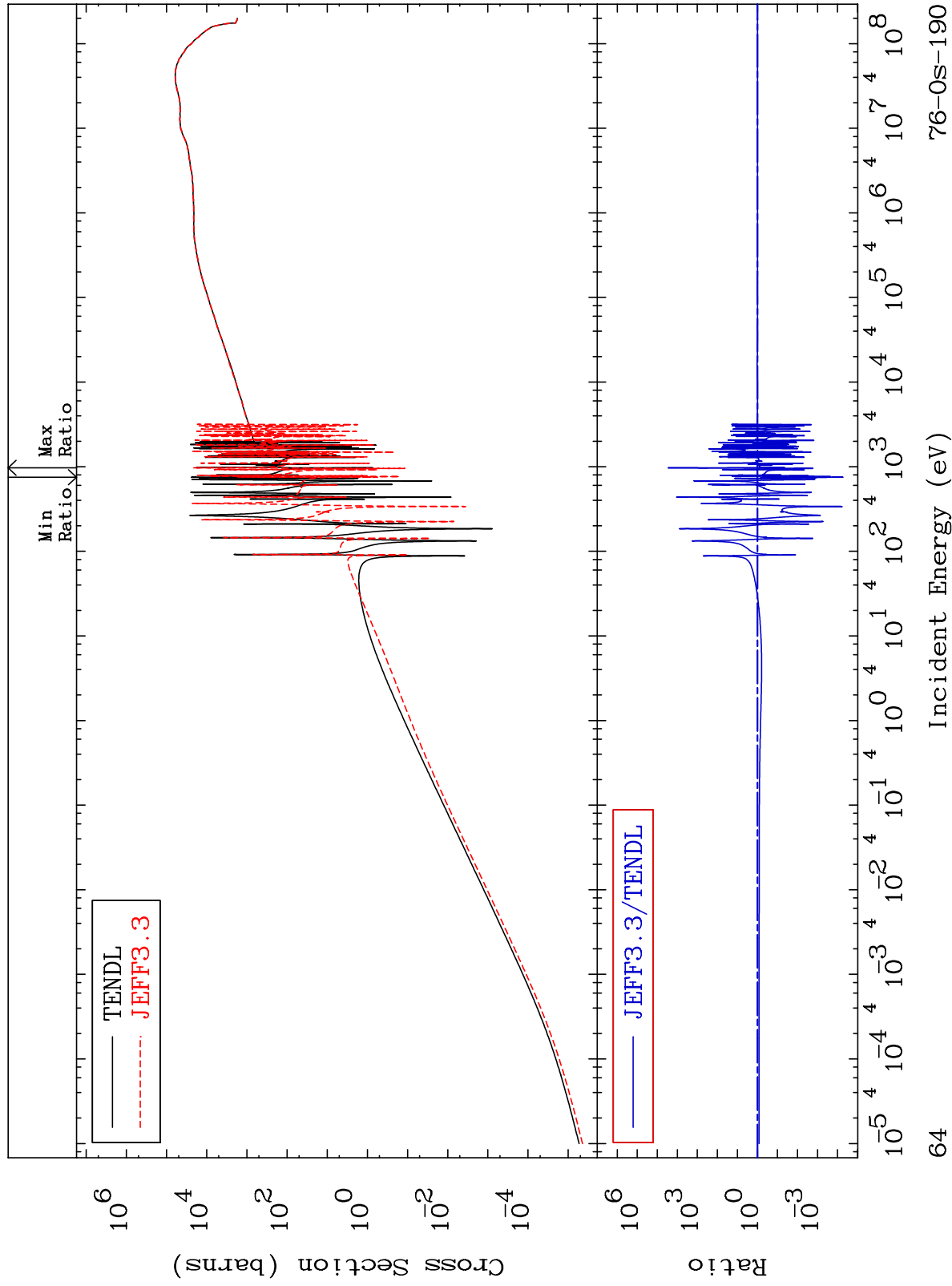
Incident Energy (eV)

76-0s-190

MAT 7643

Kerma elastic
Cross Section

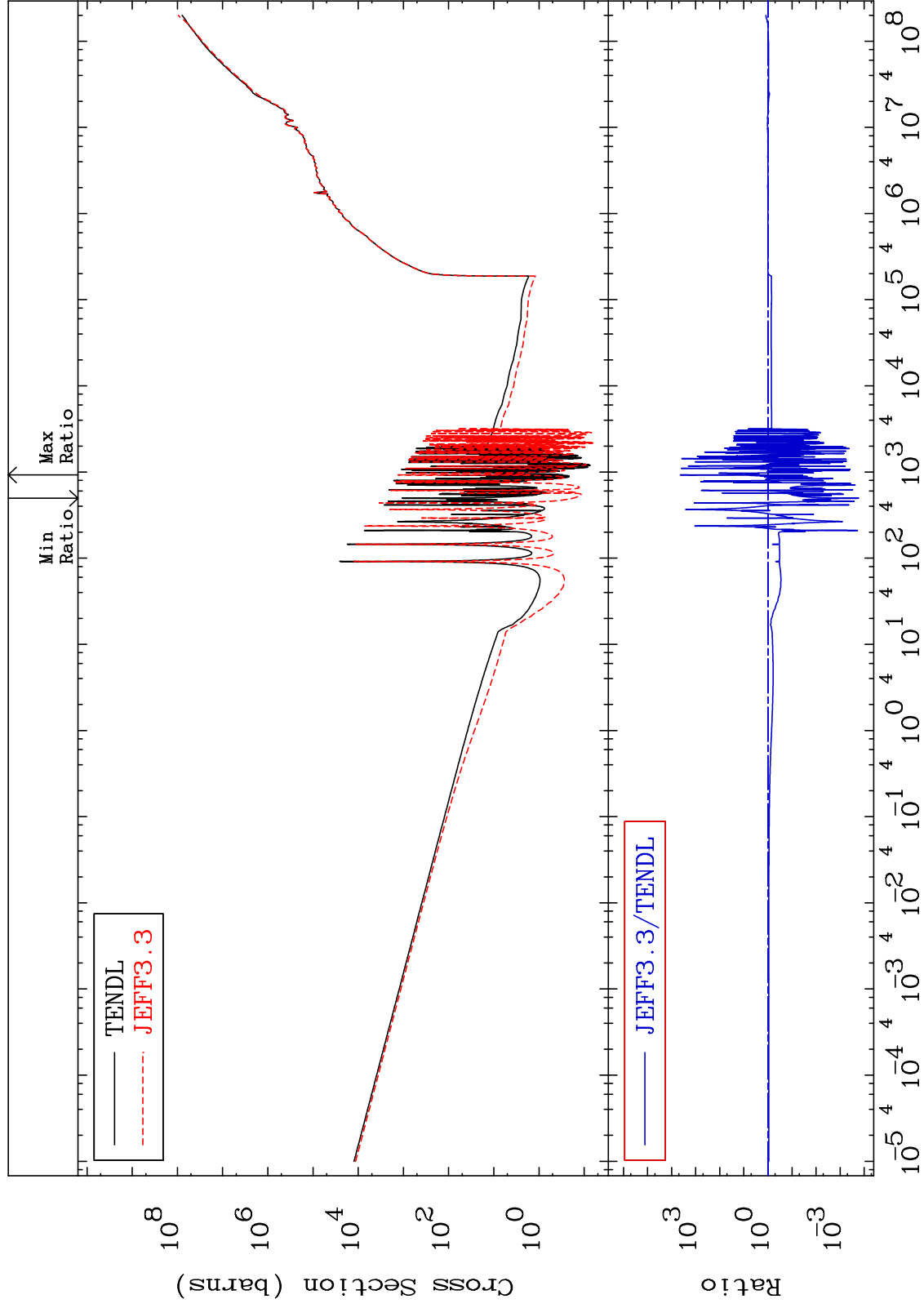
76-0s-190
-99.99 To 9999. %



MAT 7643

Kerma non-elastic (all but mt2)
Cross Section

76-0s-190
-99.98 To 9999. %



65

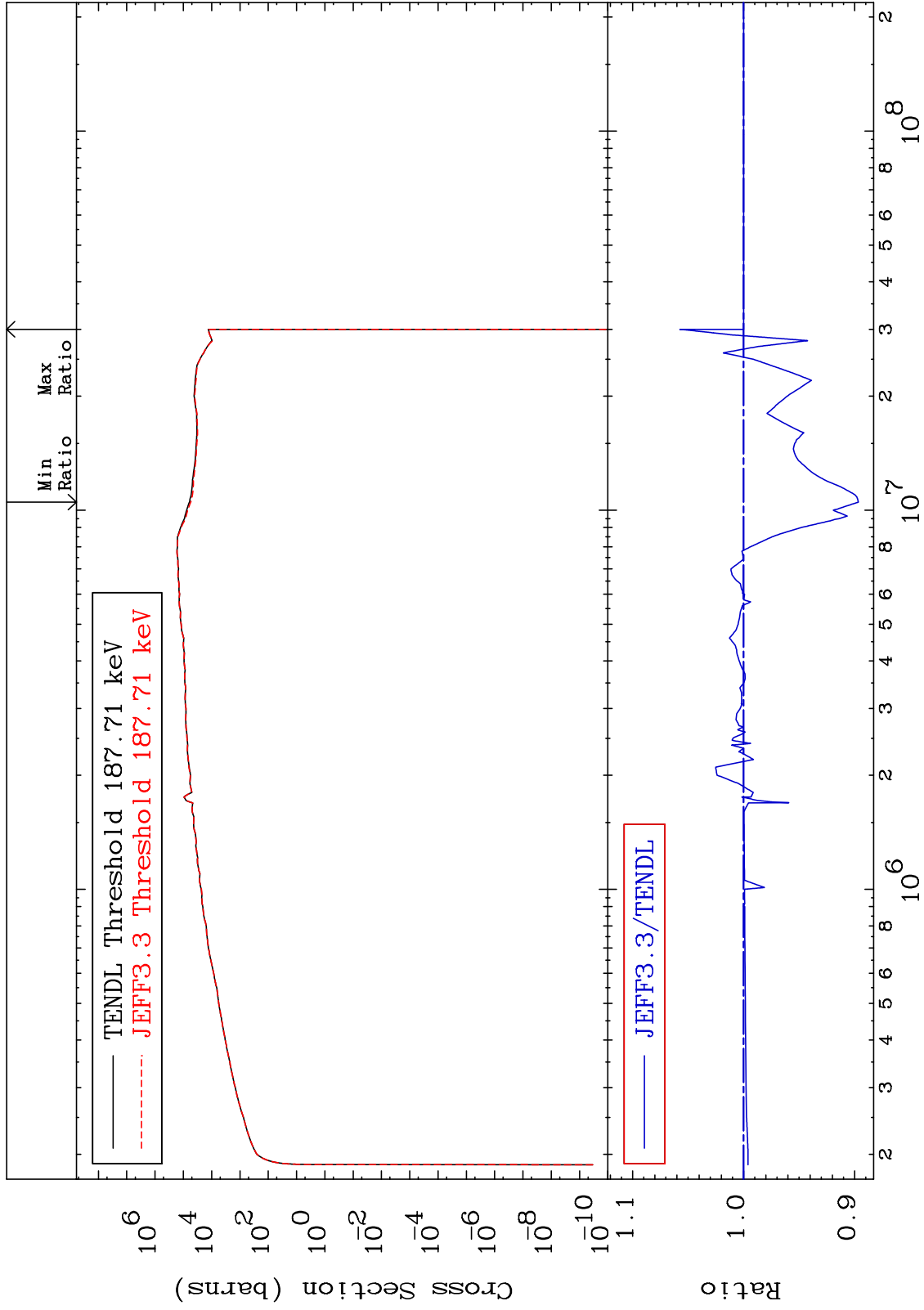
Incident Energy (eV)

76-0s-190

MAT 7643

Kerma inelastic (mt51-91)
Cross Section

76-0s-190
-10.34 To 5.727 %



66

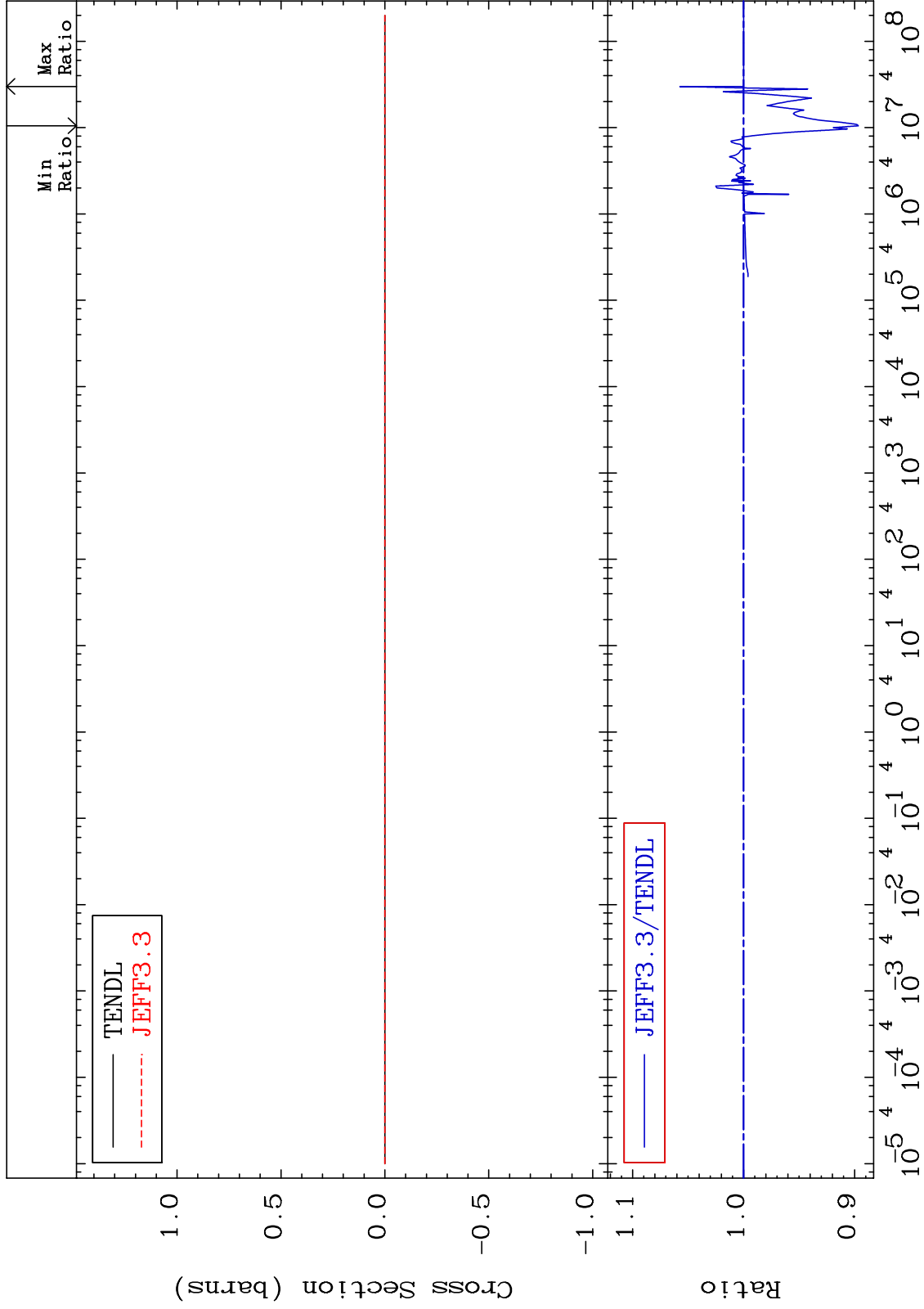
Incident Energy (eV)

76-0s-190

MAT 7643

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

76-0s-190
-10.34 To 5.727 %



67

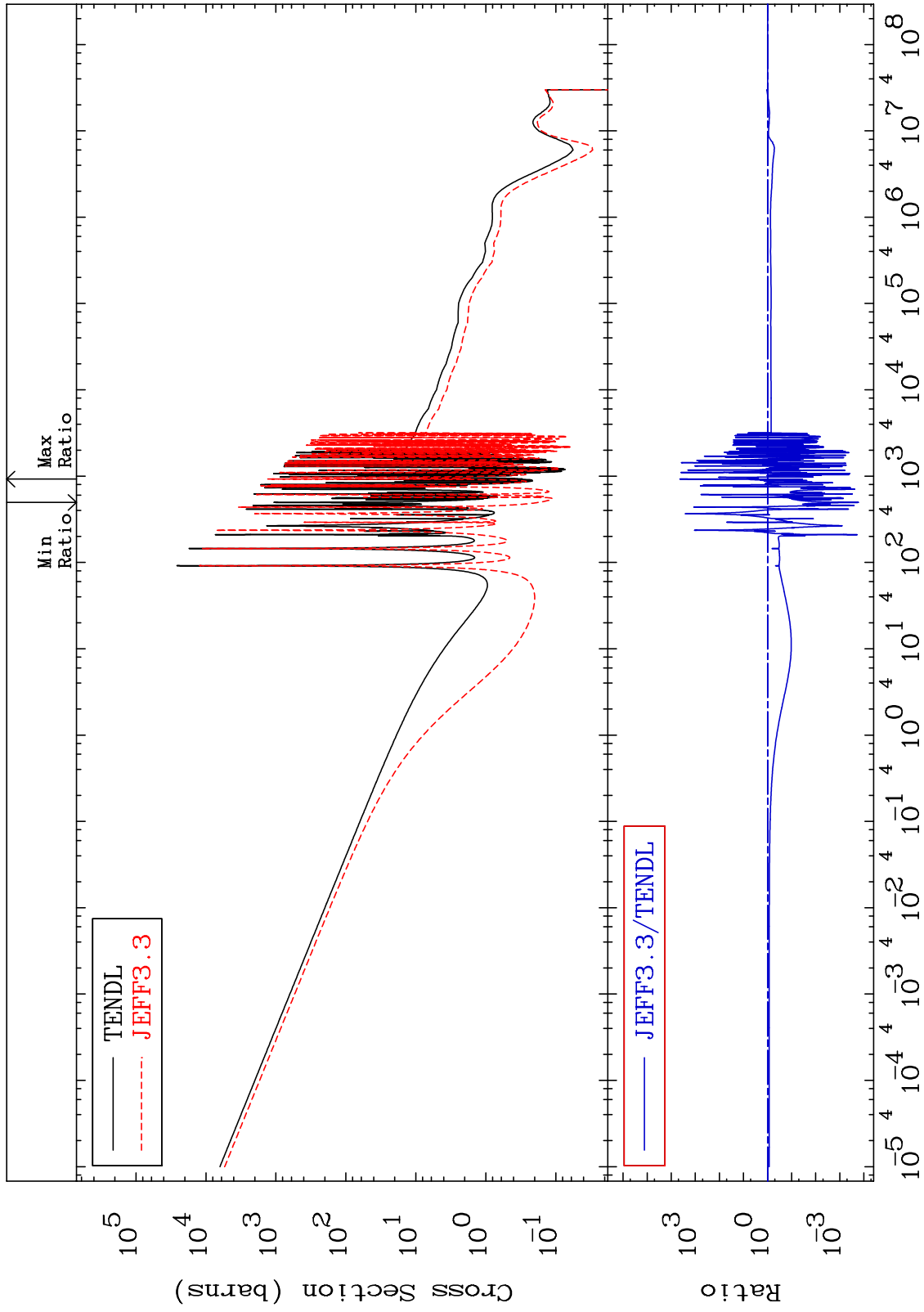
Incident Energy (eV)

76-0s-190

MAT 7643

Kerma capture (mt102)
Cross Section

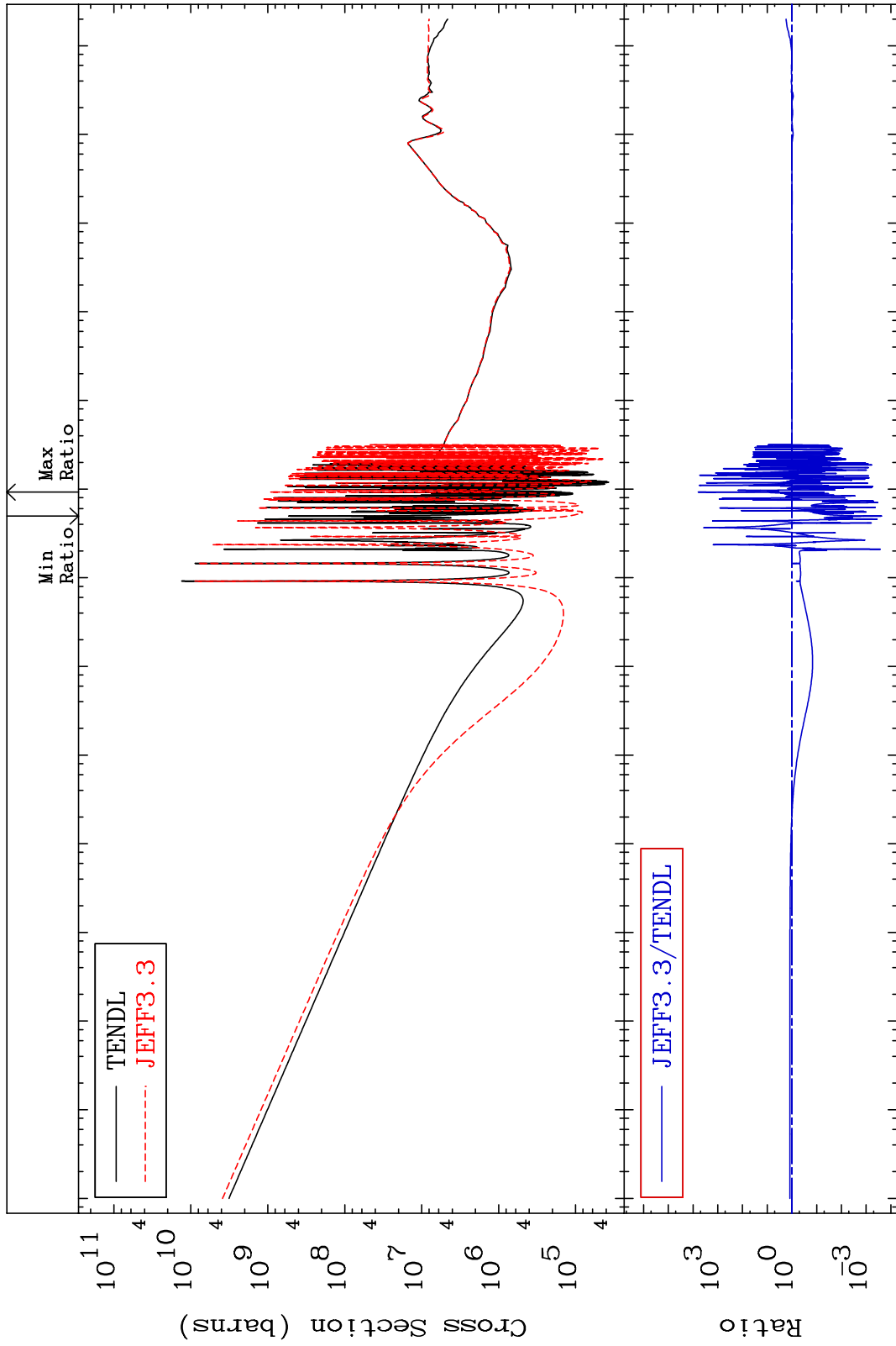
76-0s-190
-99.98 To 9999. %



MAT 7643

Total photon (eV-barns)
Cross Section

76-0s-190
-99.98 To 9999. %



69

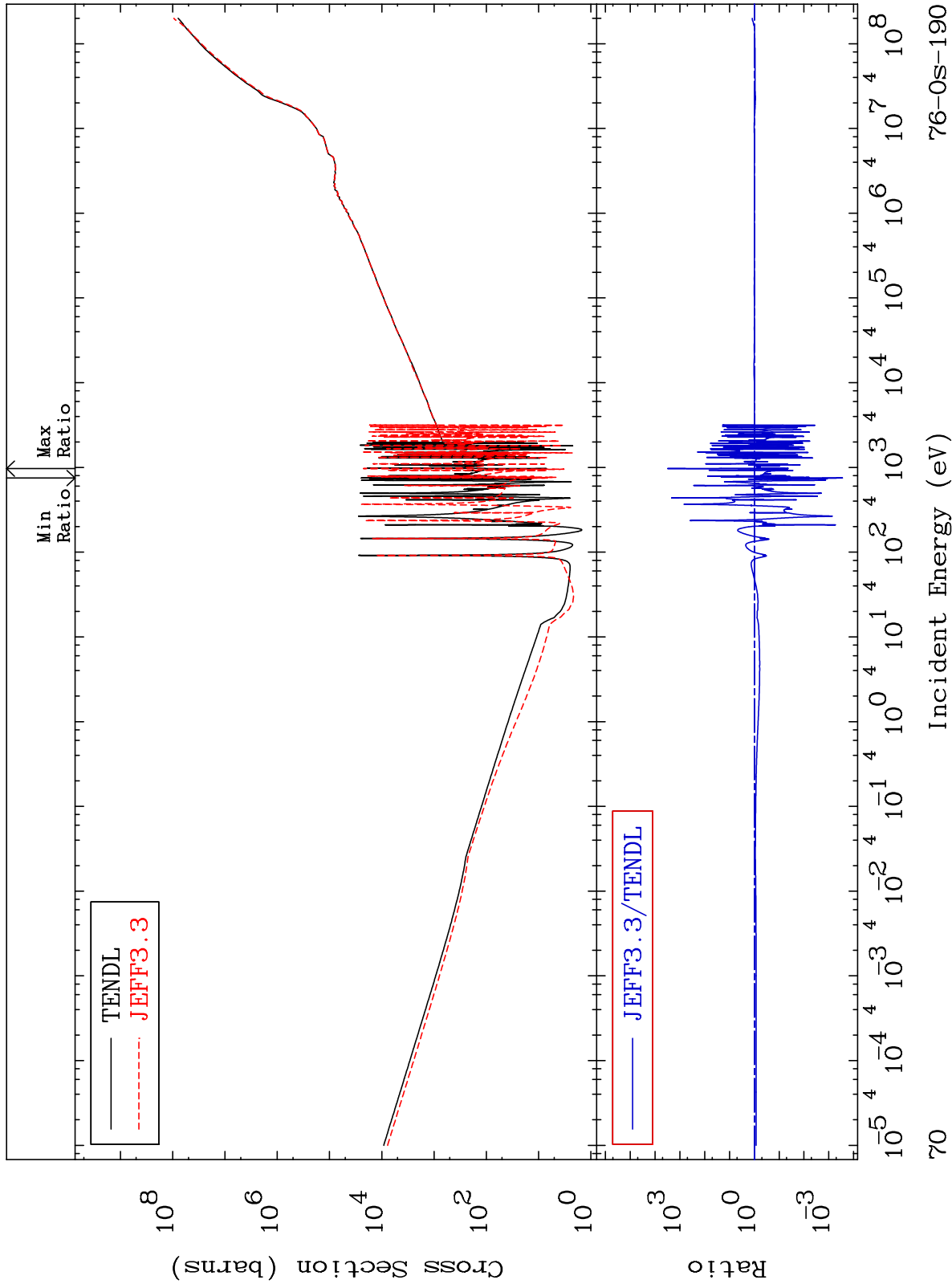
Incident Energy (eV)

76-0s-190

MAT 7643

Total kinematic kerma (high limit)
Cross Section

76-0s-190
-99.97 To 9999. %



70

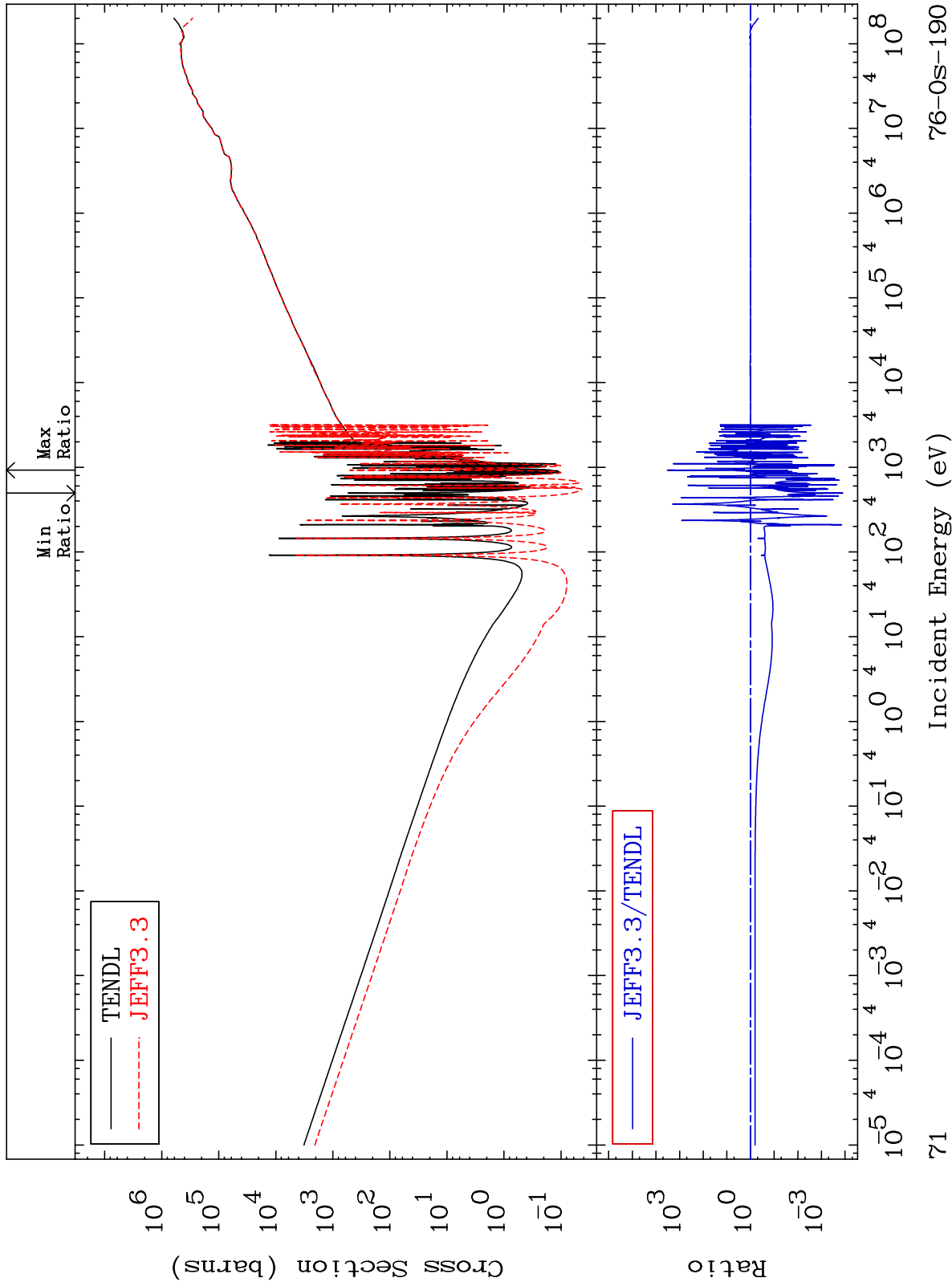
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa total (eV-barns)
Cross Section

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



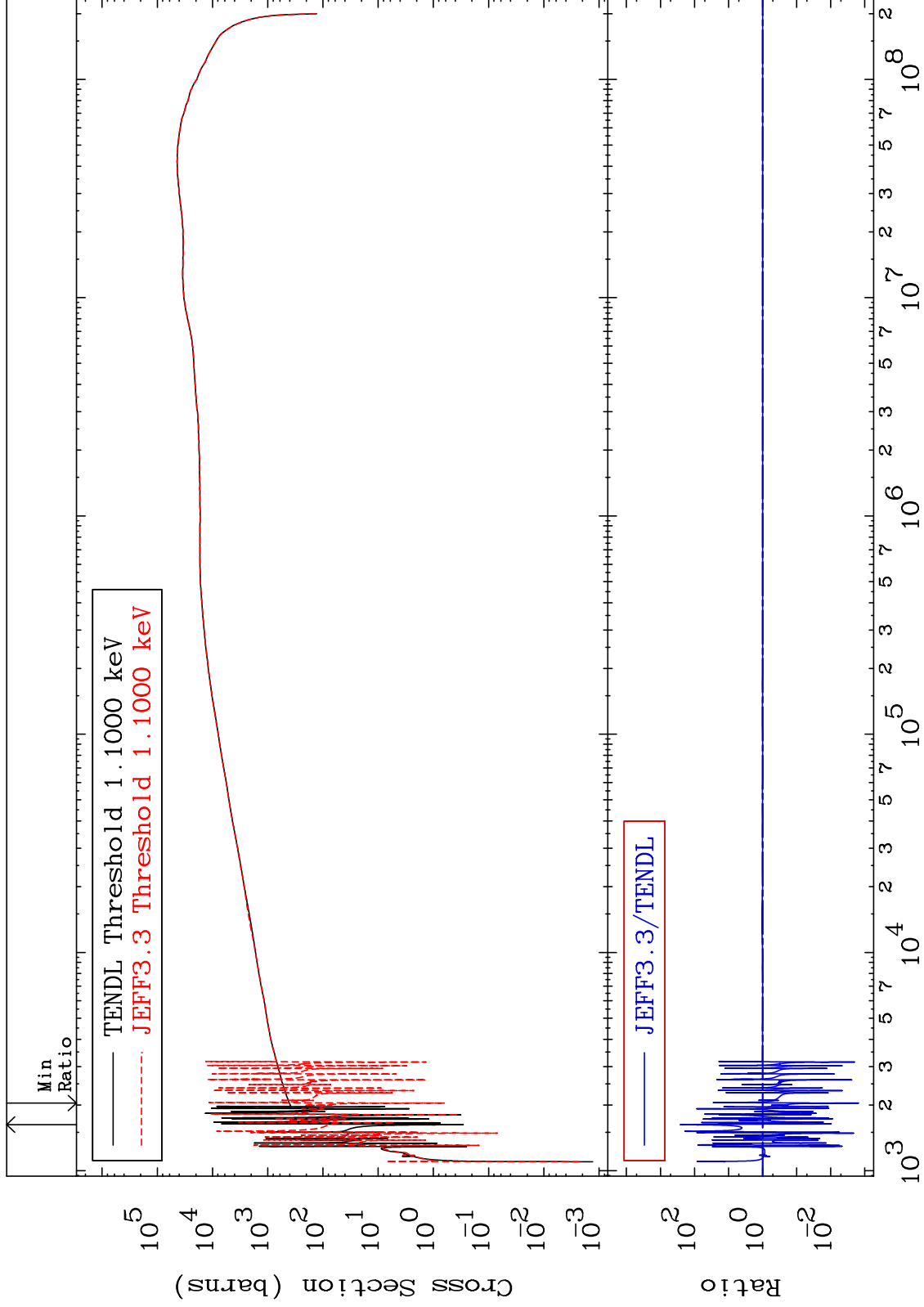
71

76-0s-190

MAT 7643

Dpa elastic (mt2)
Cross Section

76-0s-190
-99.85 To 9999. %



72

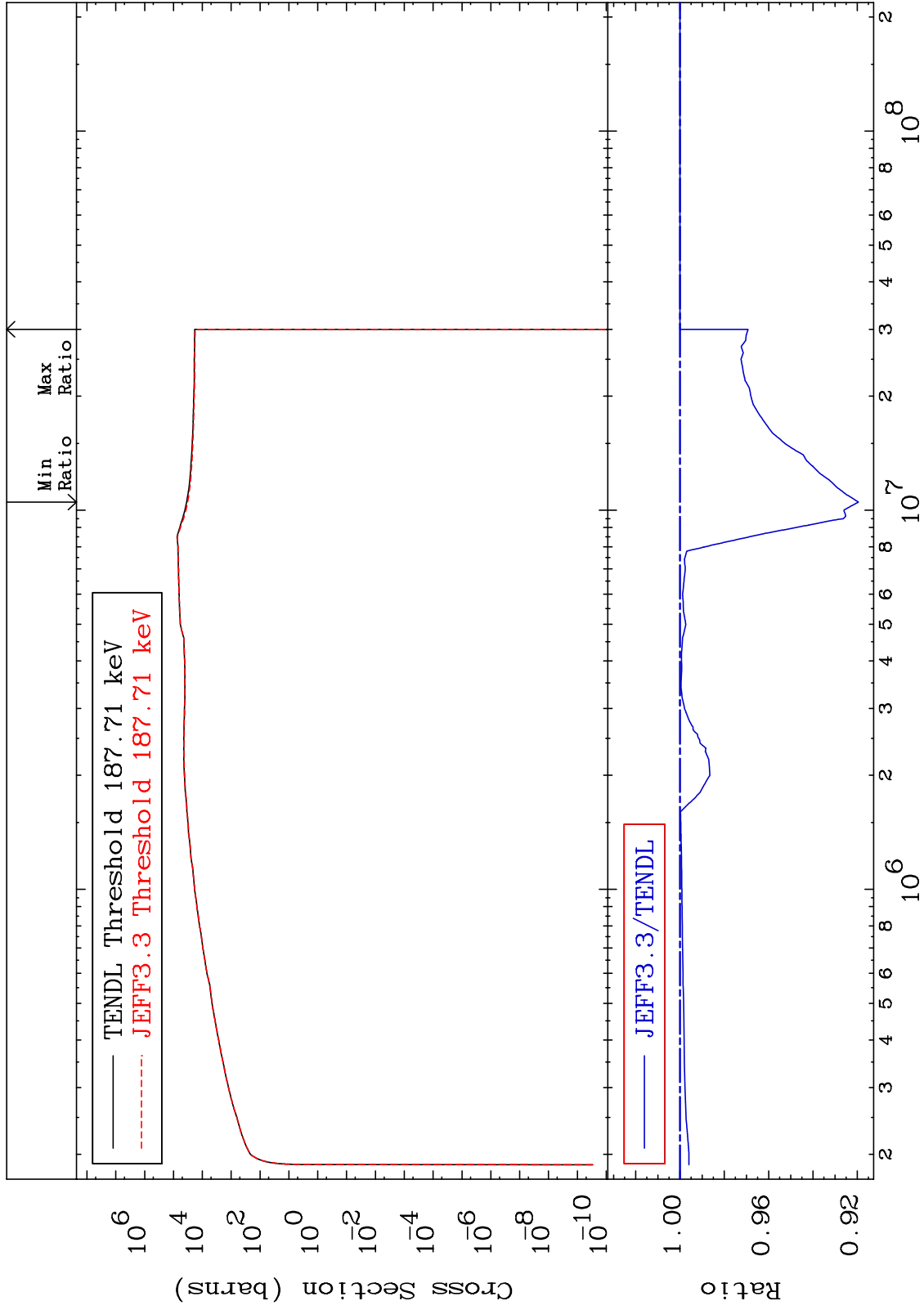
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa inelastic (mt51-91)
Cross Section

76-0s-190
-8.053 To 0.000 %



73

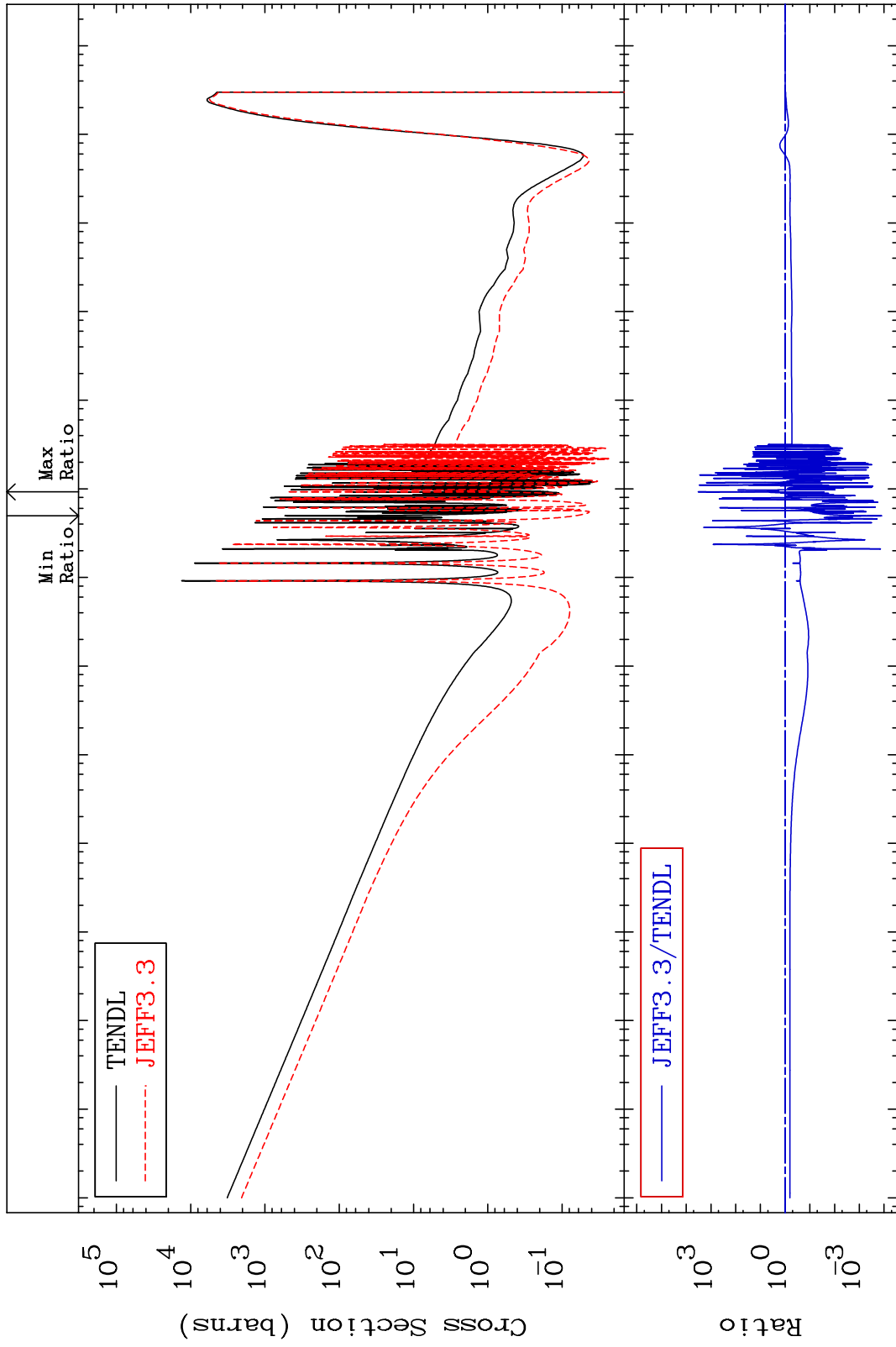
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa disappearance (mt102 -120)
Cross Section

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



74

Incident Energy (eV)

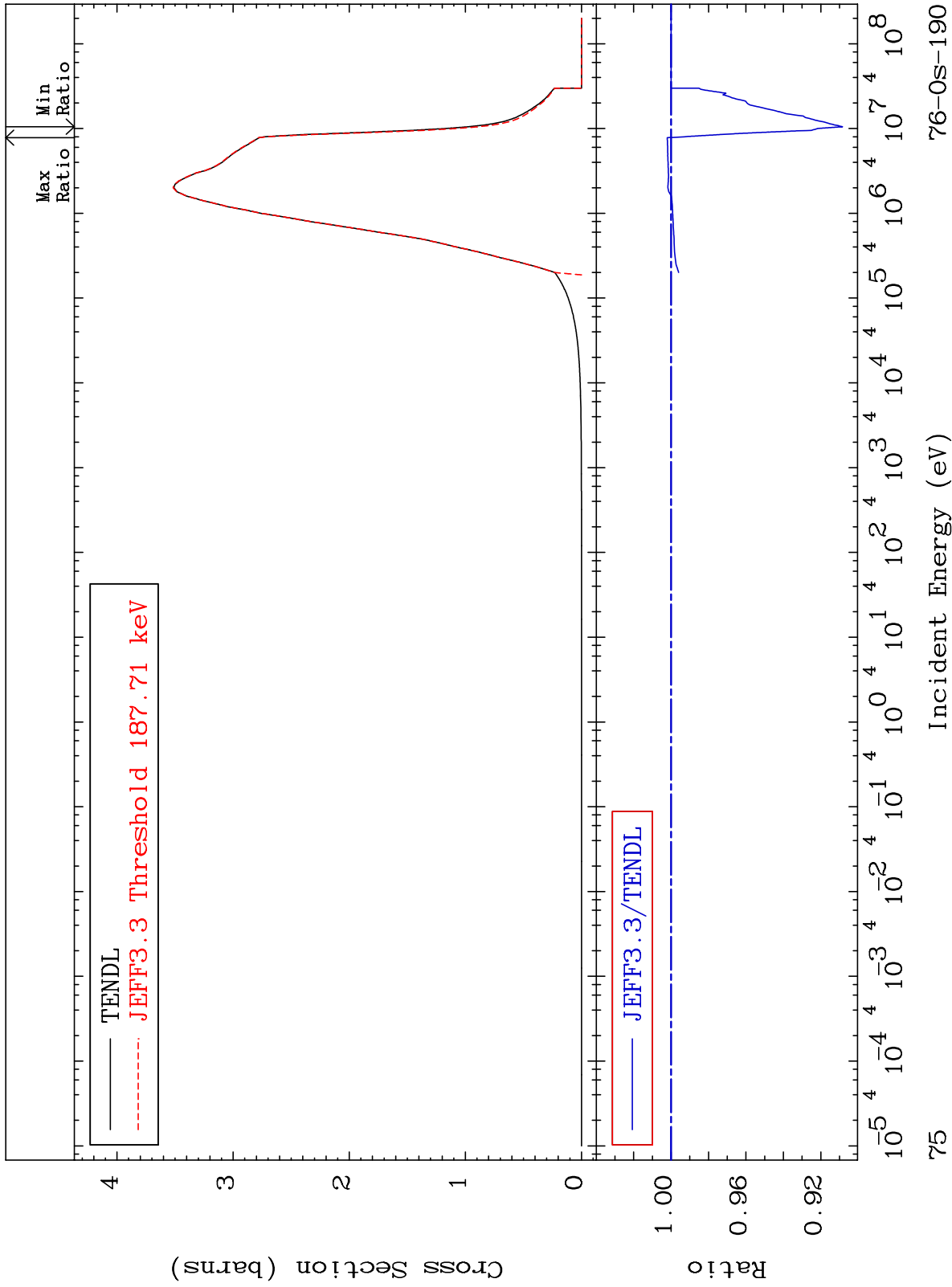
76-0s-190

MAT 7643

Inelastic: 76-0s-190g

76-0s-190

Radionuclide Production Cross Section -9.164 To 0.202 %

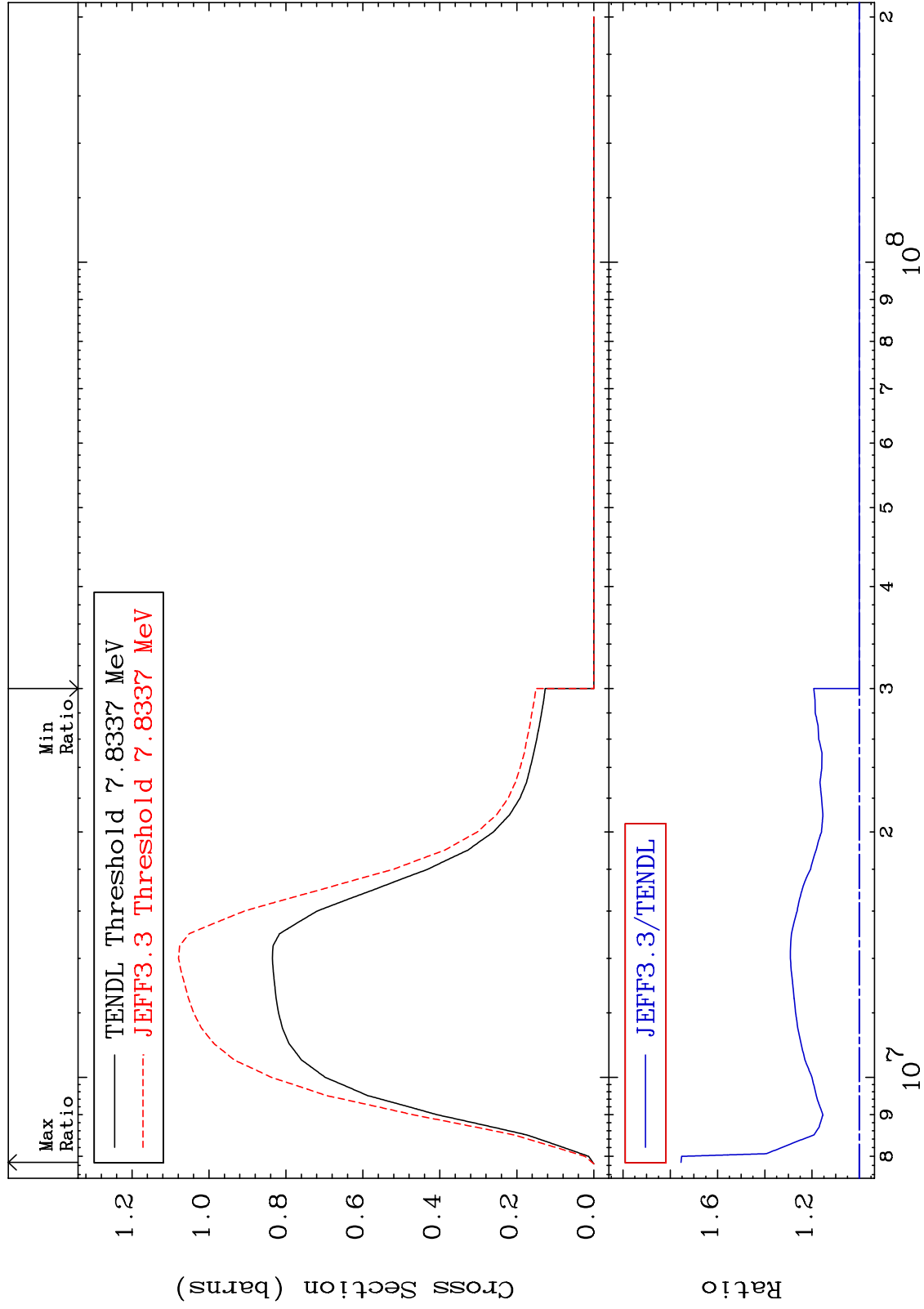


MAT 7643

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

76-0s-190

Radionuclide Production Cross Section 0.000 To 75.44 %

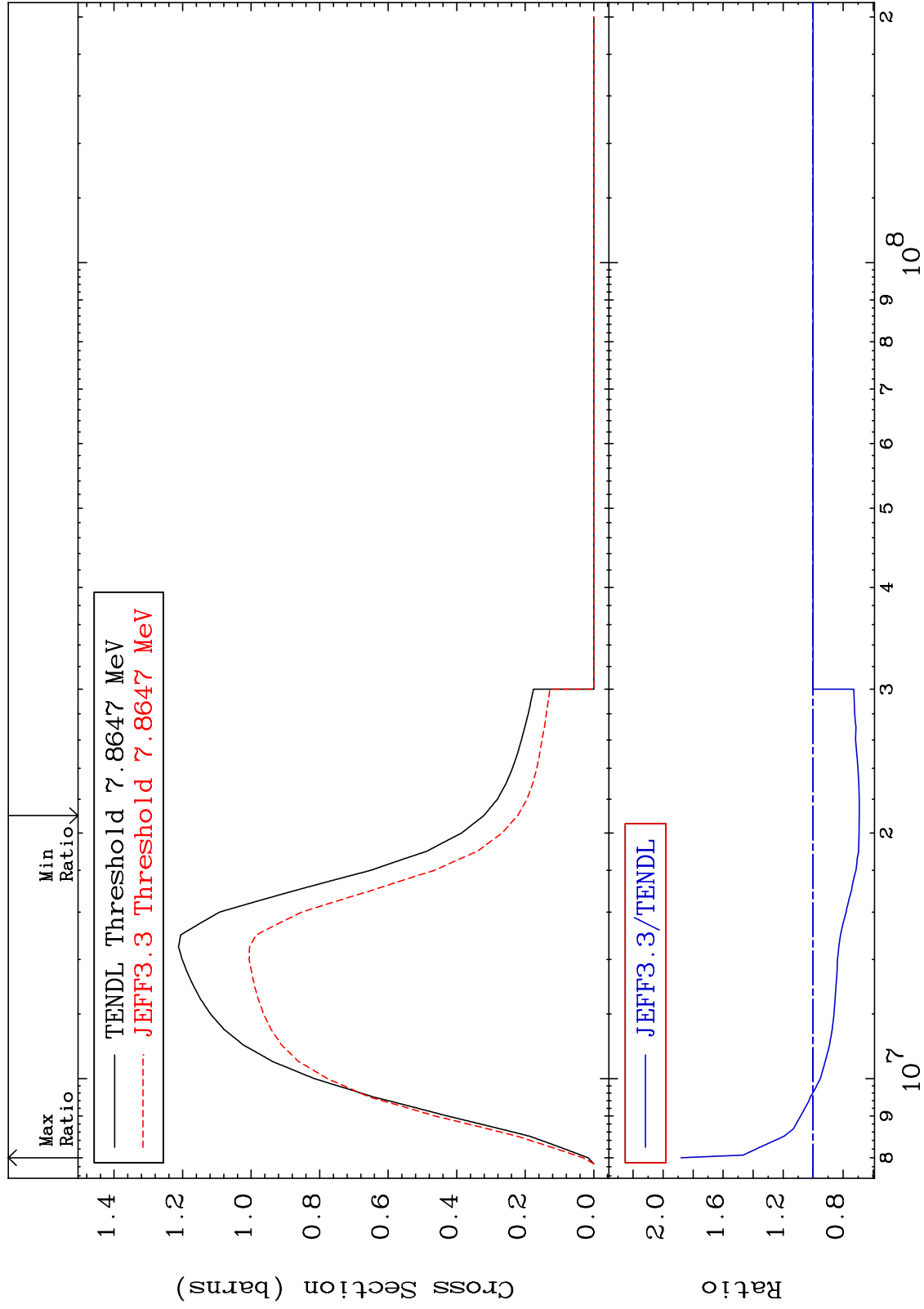


MAT 7643

(n,2n): 76-Os-189m1

76-Os-190

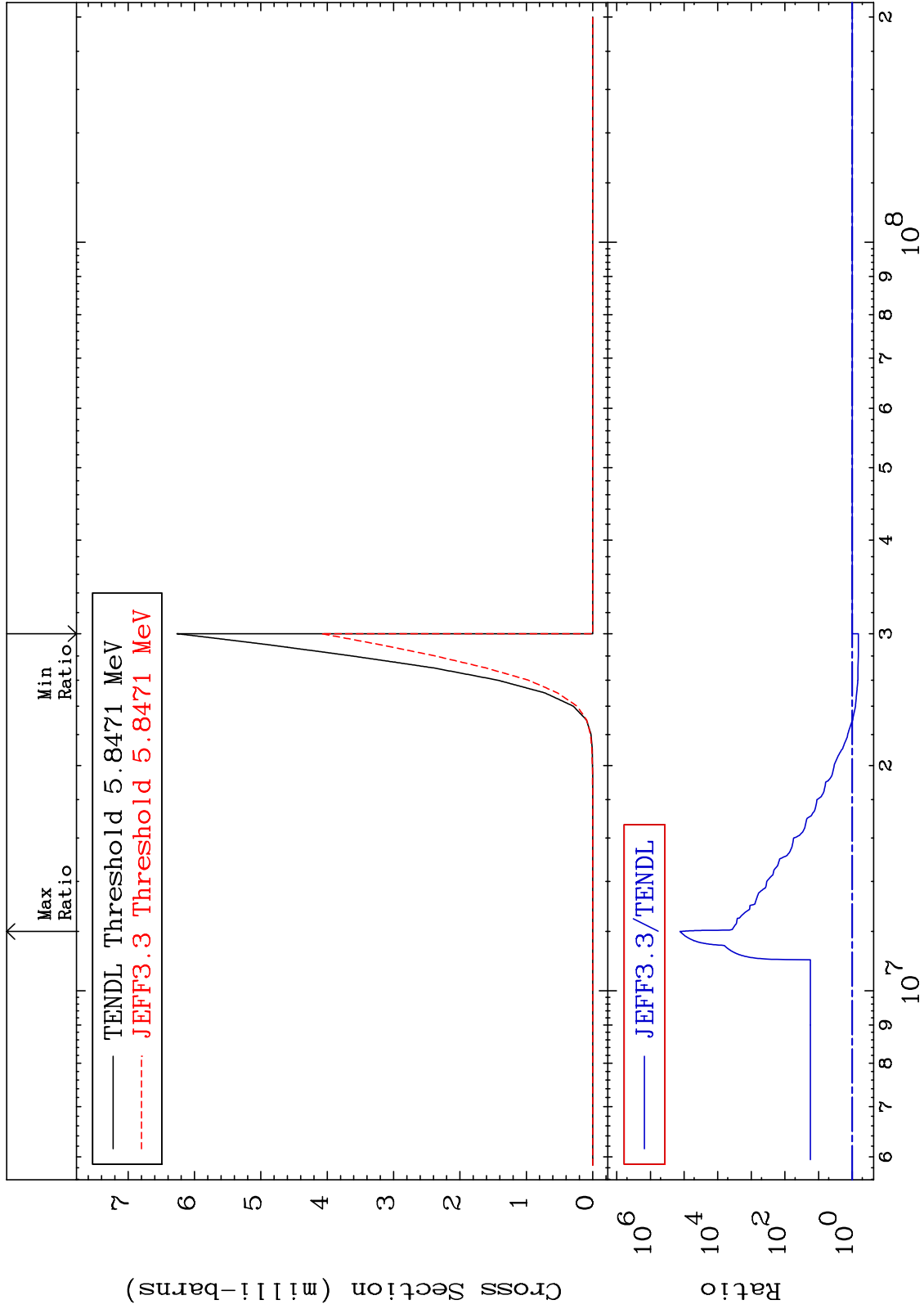
Radionuclide Production Cross Section -30.76 To 88.03 %



77

MAT 7643

(n,2n) α :74-W -185g 76-0s-190
Radionuclide Production Cross Section -34.66 To 9999. %



78

Incident Energy (eV)

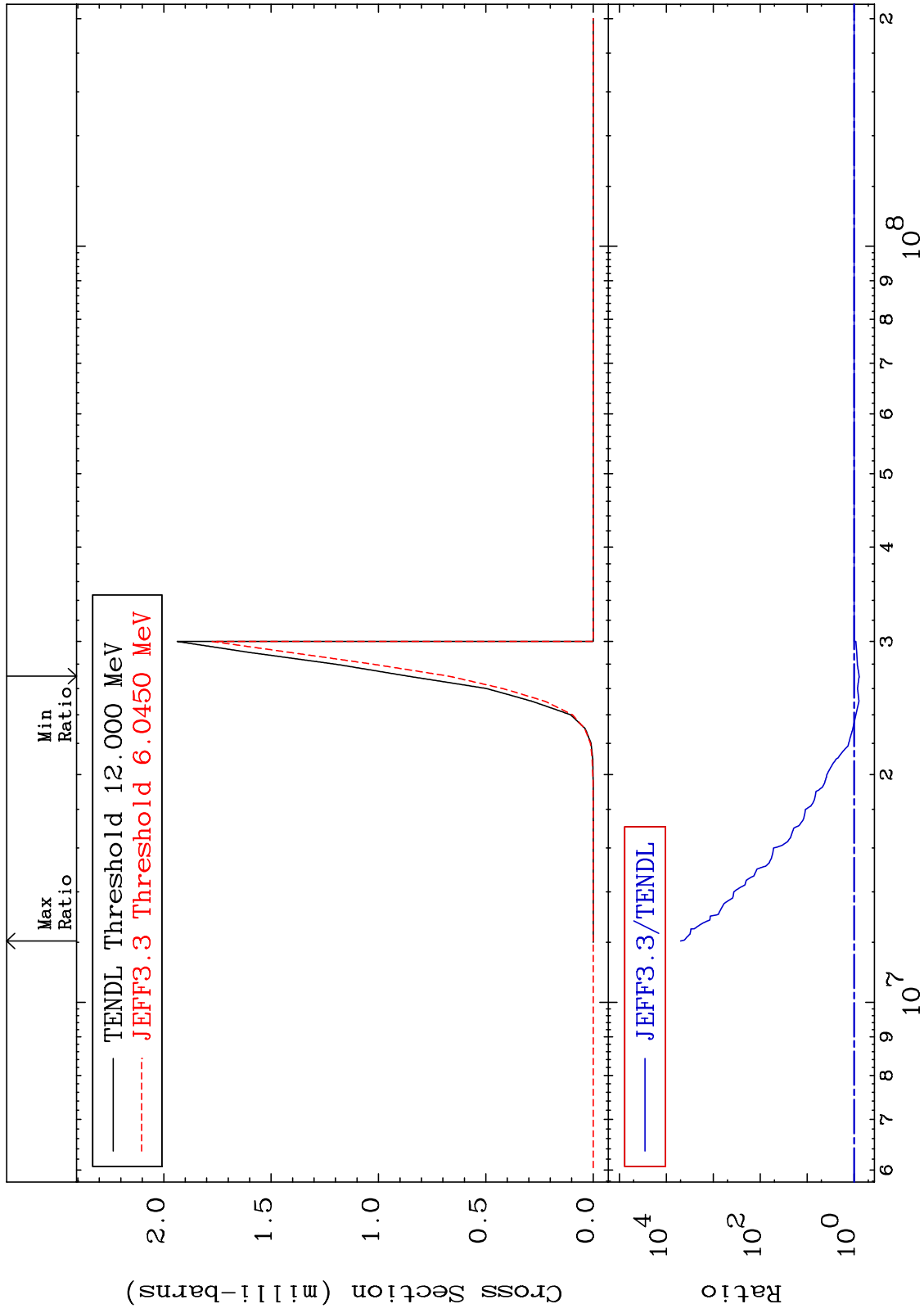
76-0s-190

MAT 7643

(n,2n) α :74-W -185m6

76-0s-190

Radionuclide Production Cross Section -21.99 To 9999. %



79

Incident Energy (eV)

76-0s-190

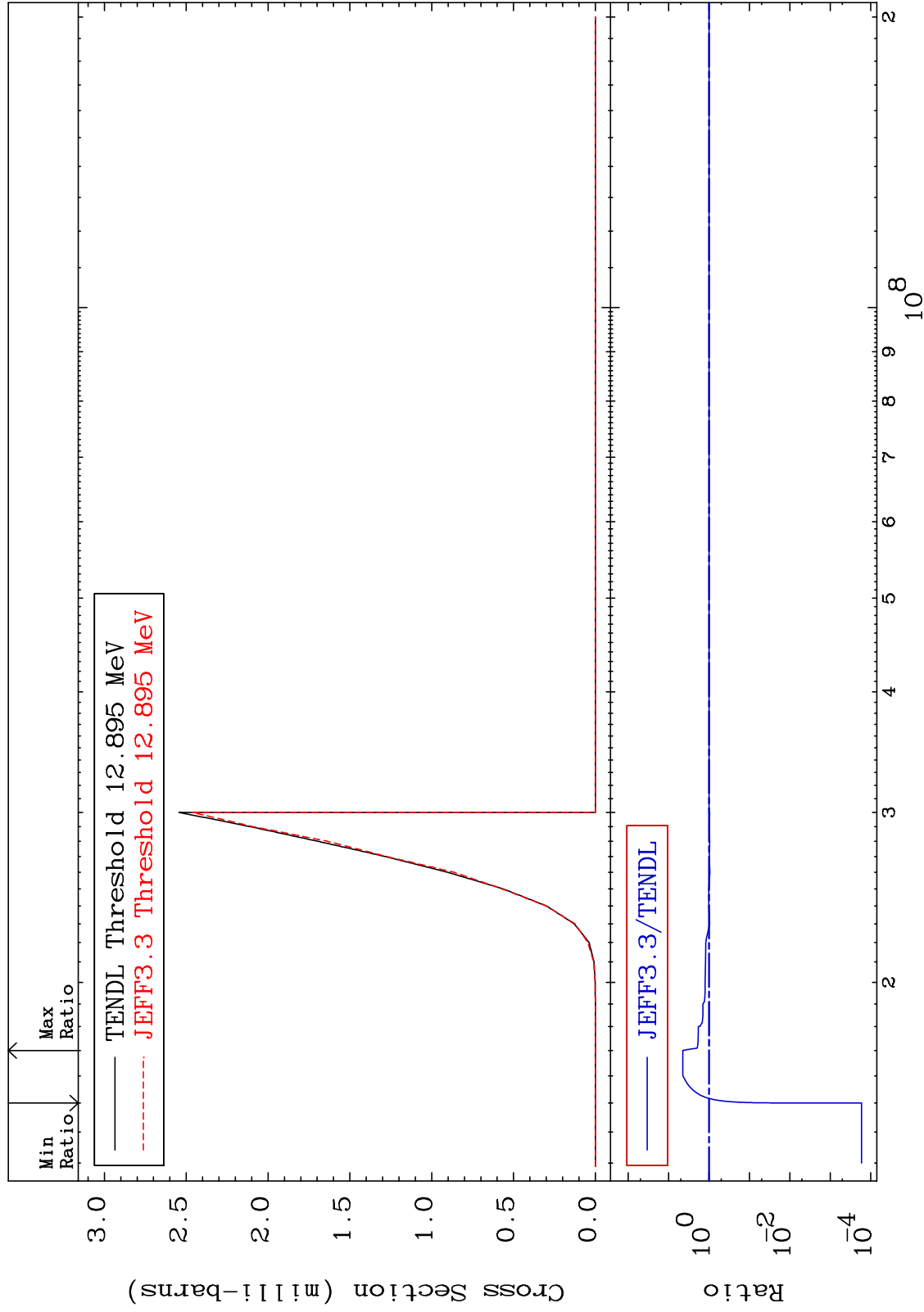
MAT 7643

(n, n') d:75-Re-188g

76-0s-190

Radionuclide Production Cross Section

-99.98 To 343.8 %



80

Incident Energy (eV)

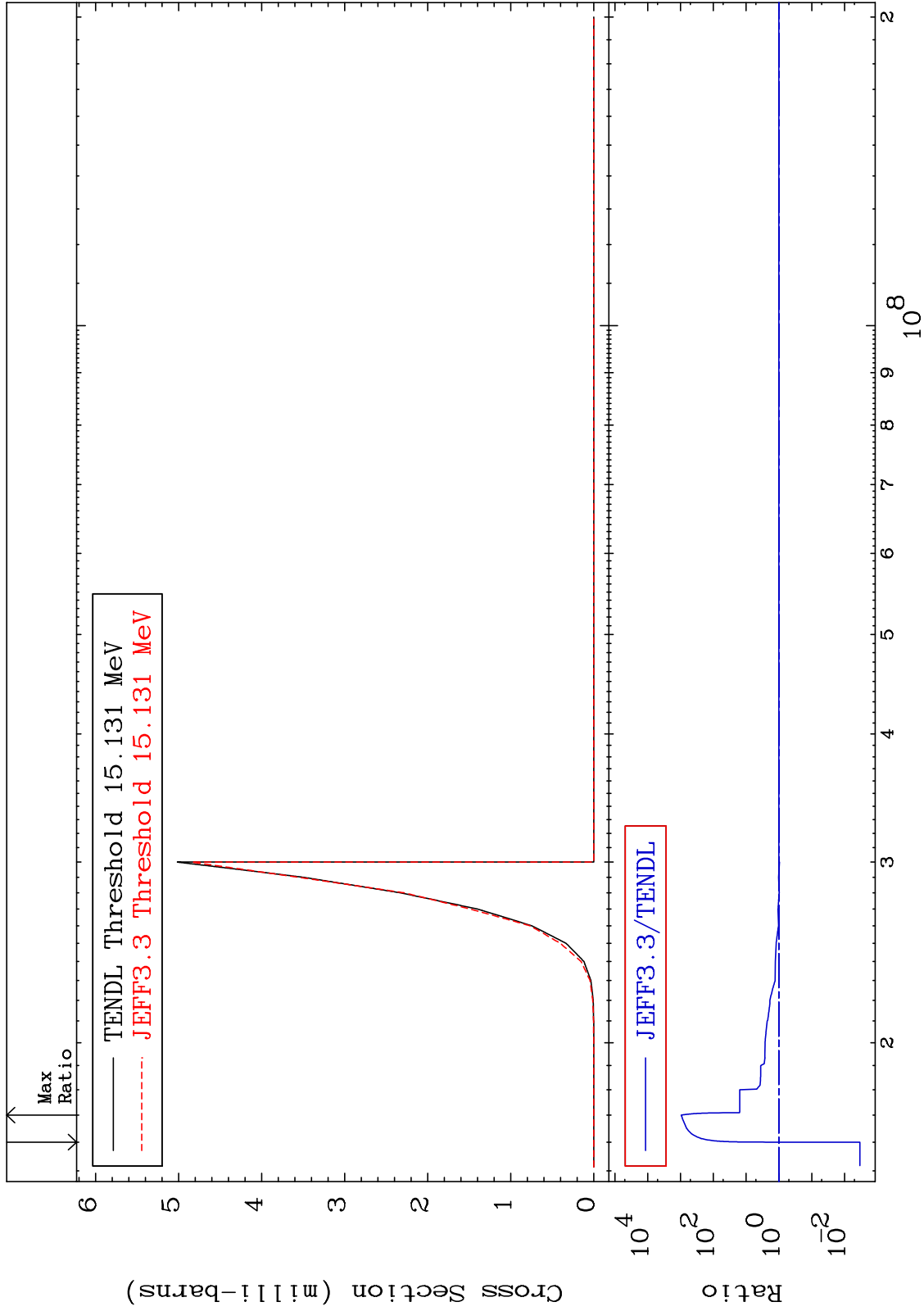
76-0s-190

MAT 7643

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

76-0s-190

Radionuclide Production Cross Section -99.66 To 9999. %



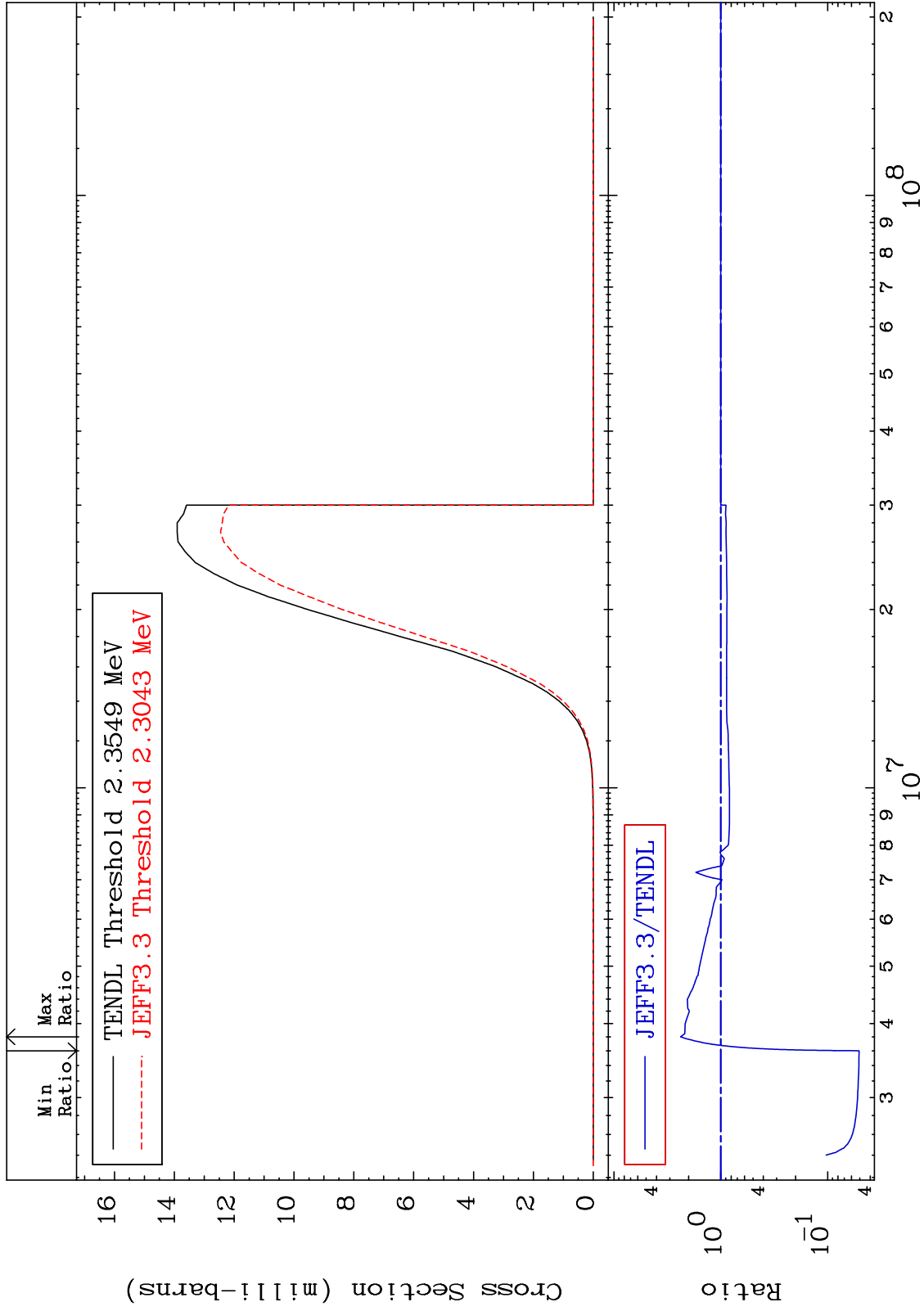
MAT 7643

(n, p) : 75-Re-190g

76-0s-190

Radionuclide Production Cross Section

-94.93 To 137.8 %



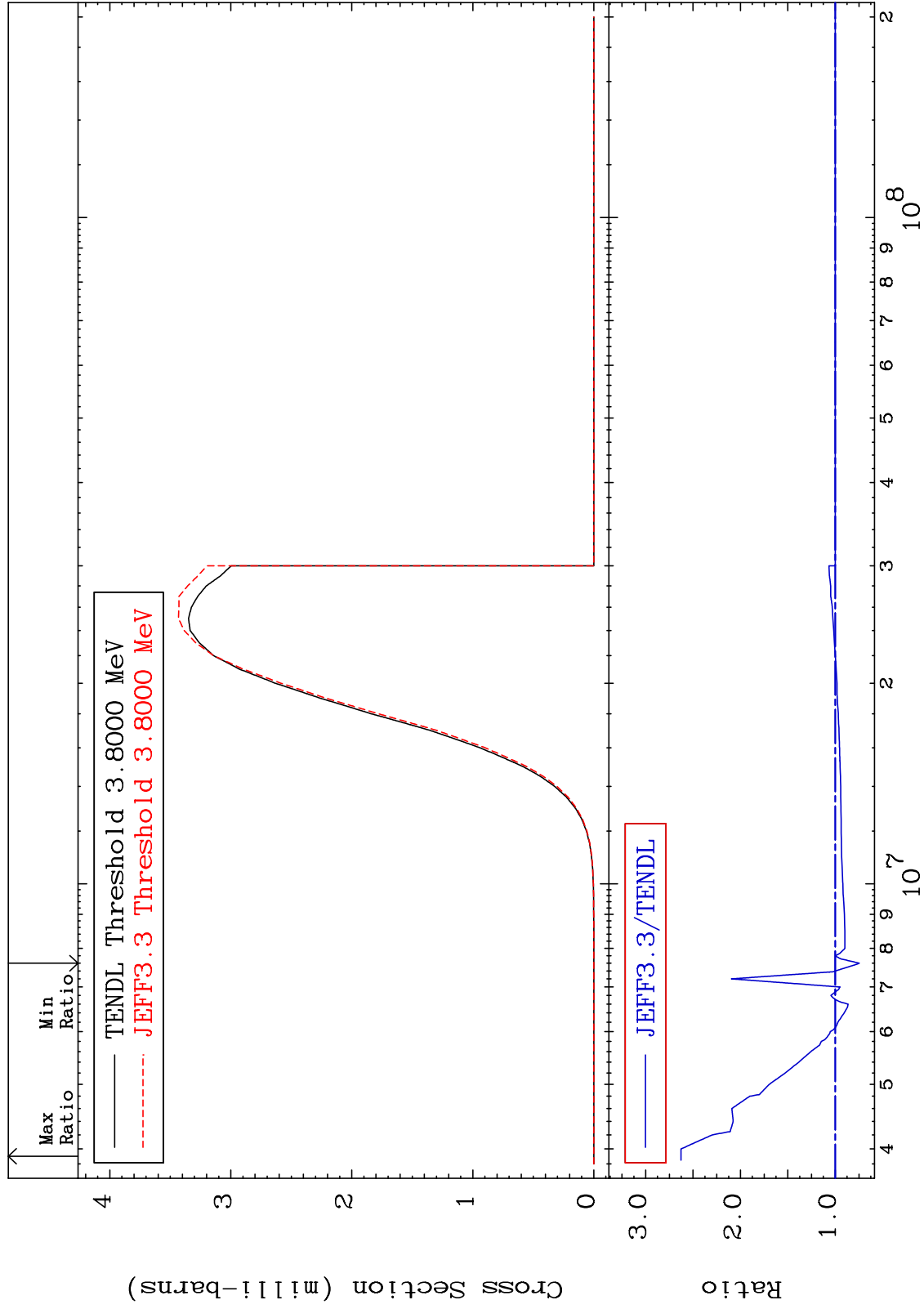
MAT 7643

(n, p) : 75-Re-190m3

76-0s-190

Radionuclide Production Cross Section

-25.38 To 162.7 %



MAT 7643

(n, t): 75-Re-188g

76-0s-190

Radionuclide Production Cross Section -5.387 To 8.797 %

