

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

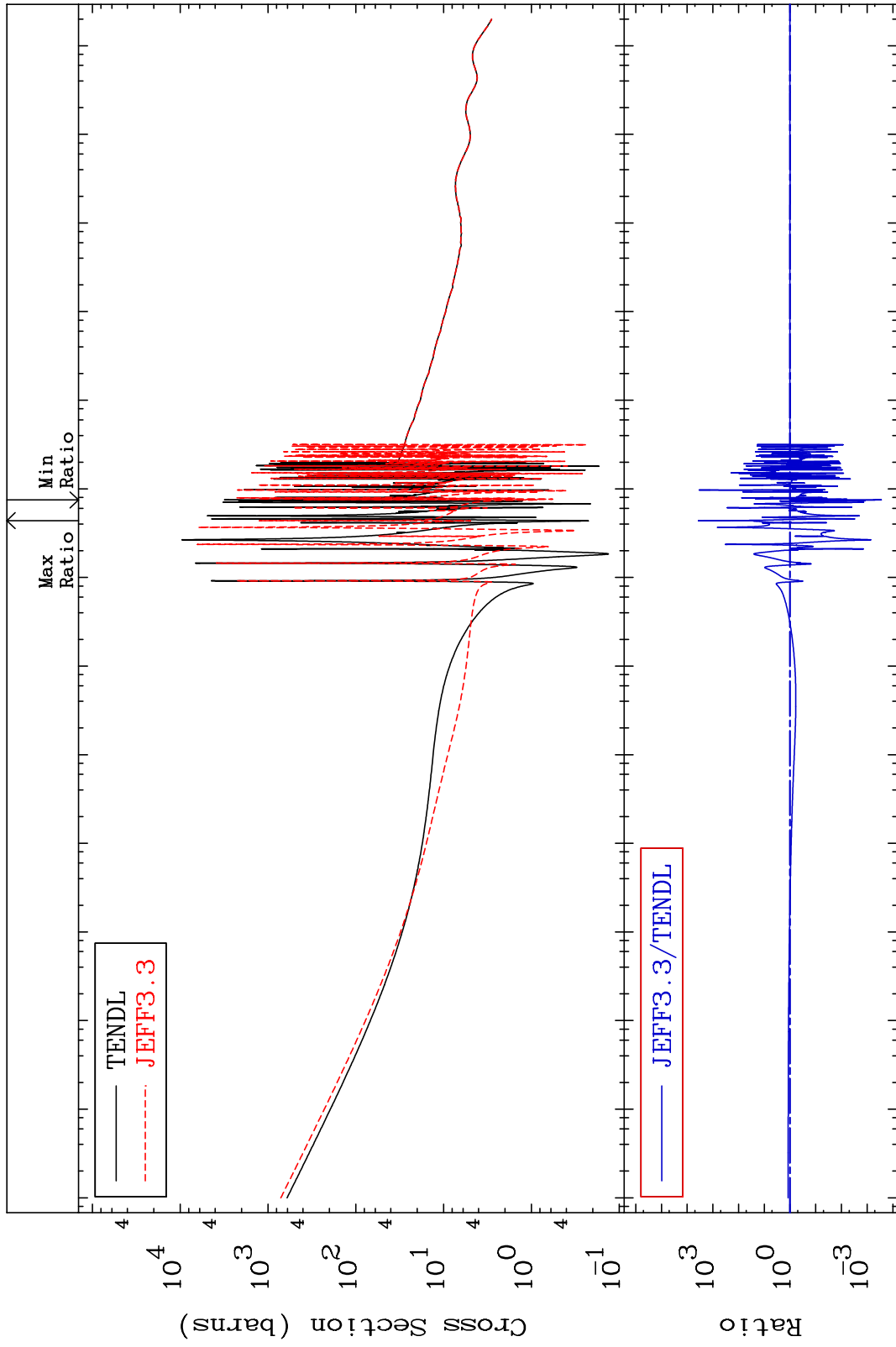
MAT 7643

Total

76-0s-190

-99.97 To 9999. %

Cross Section



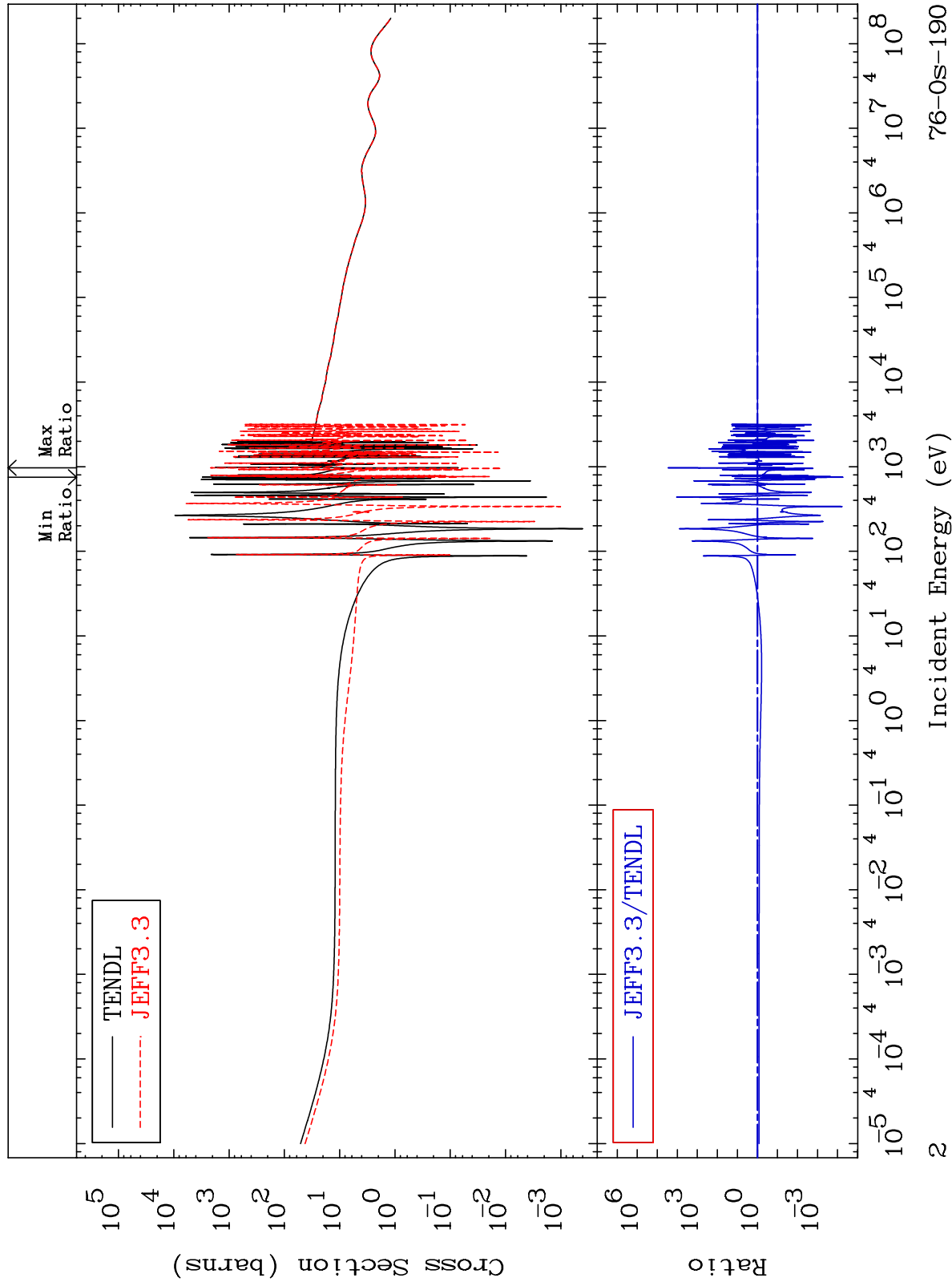
Incident Energy (eV)

76-0s-190

MAT 7643

Elastic
Cross Section

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



76-0s-190

Incident Energy (eV)

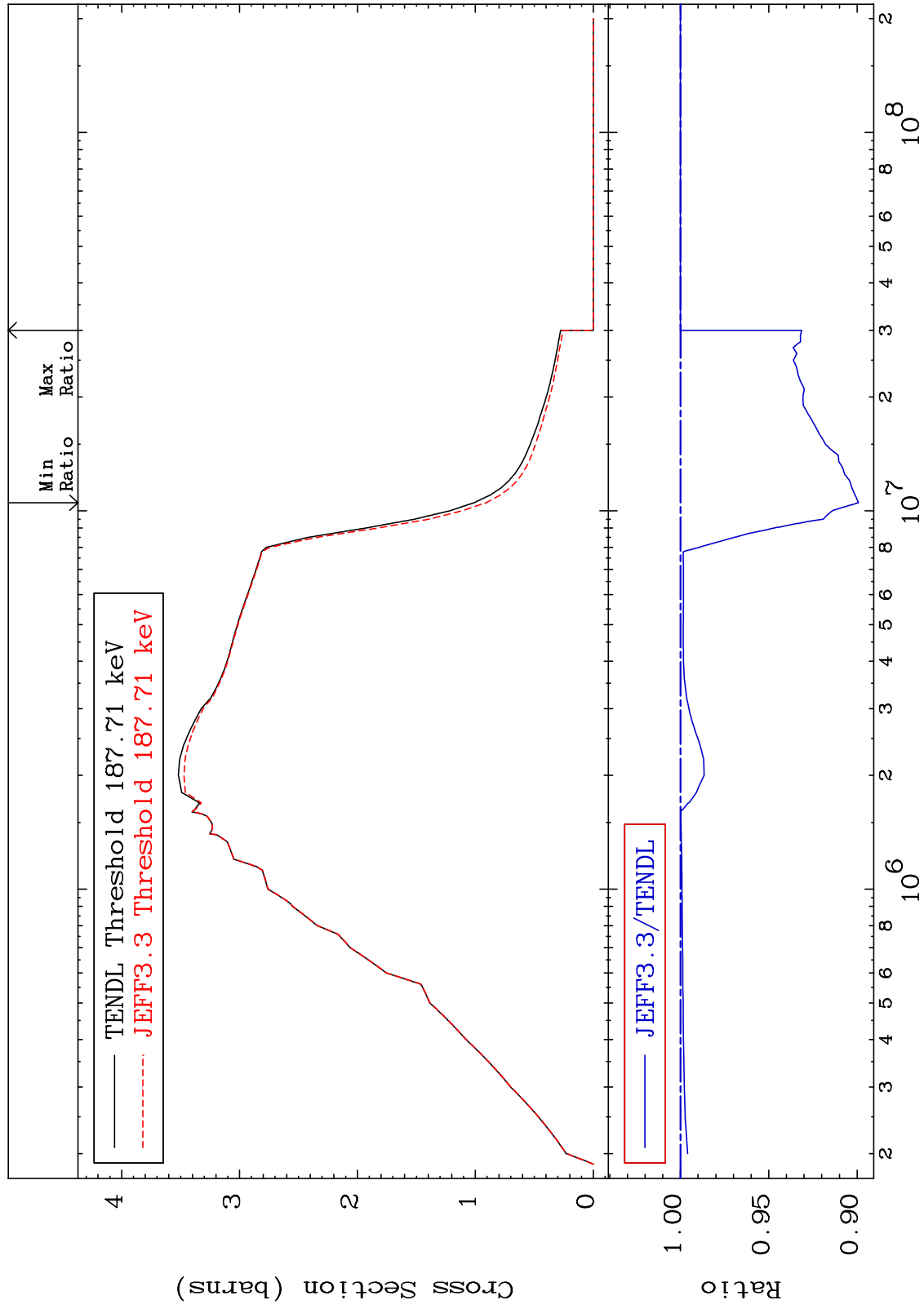
MAT 7643

Inelastic

Cross Section

76-0s-190

-10.08 To 0.000 %



3

Incident Energy (eV)

76-0s-190

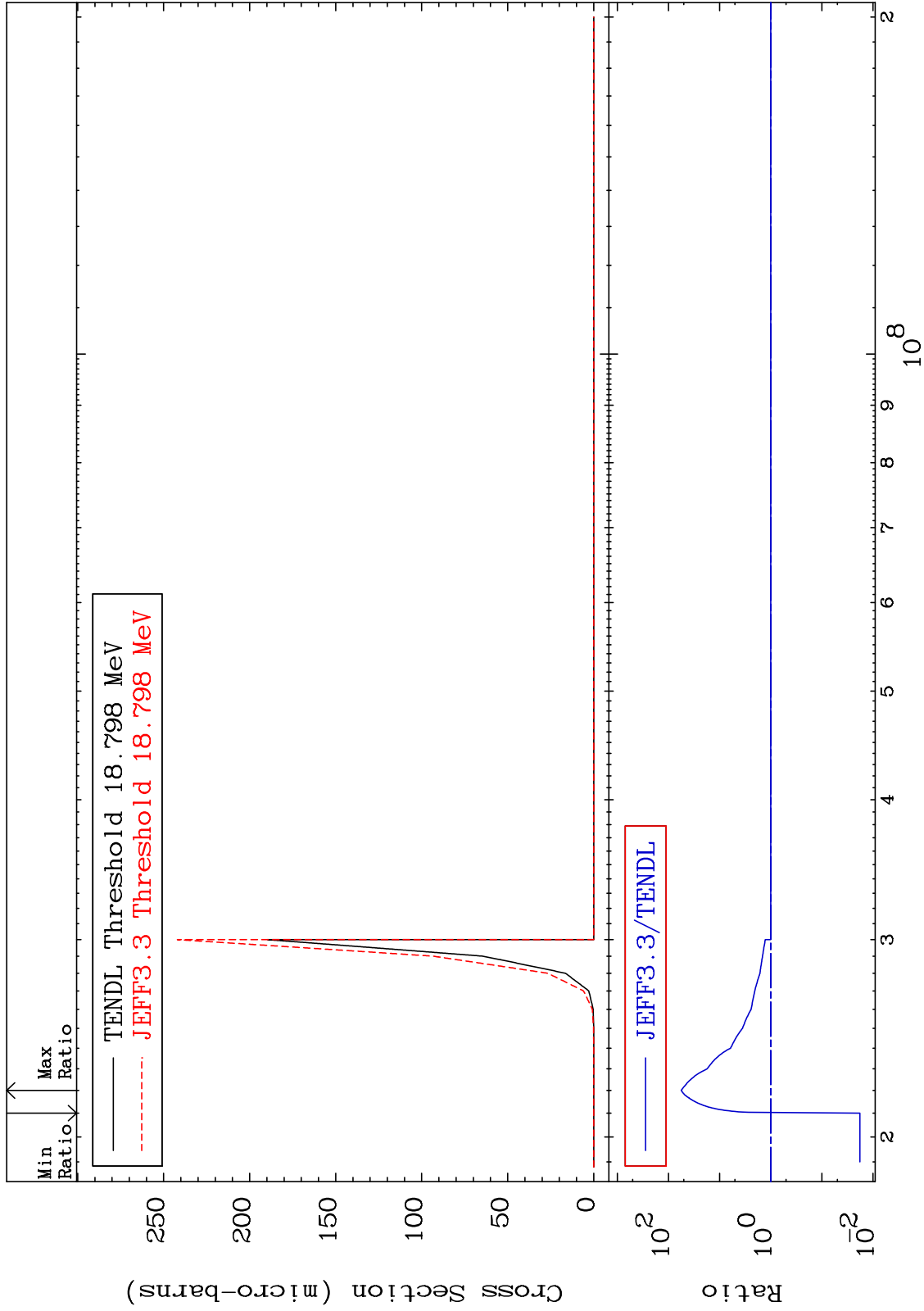
MAT 7643

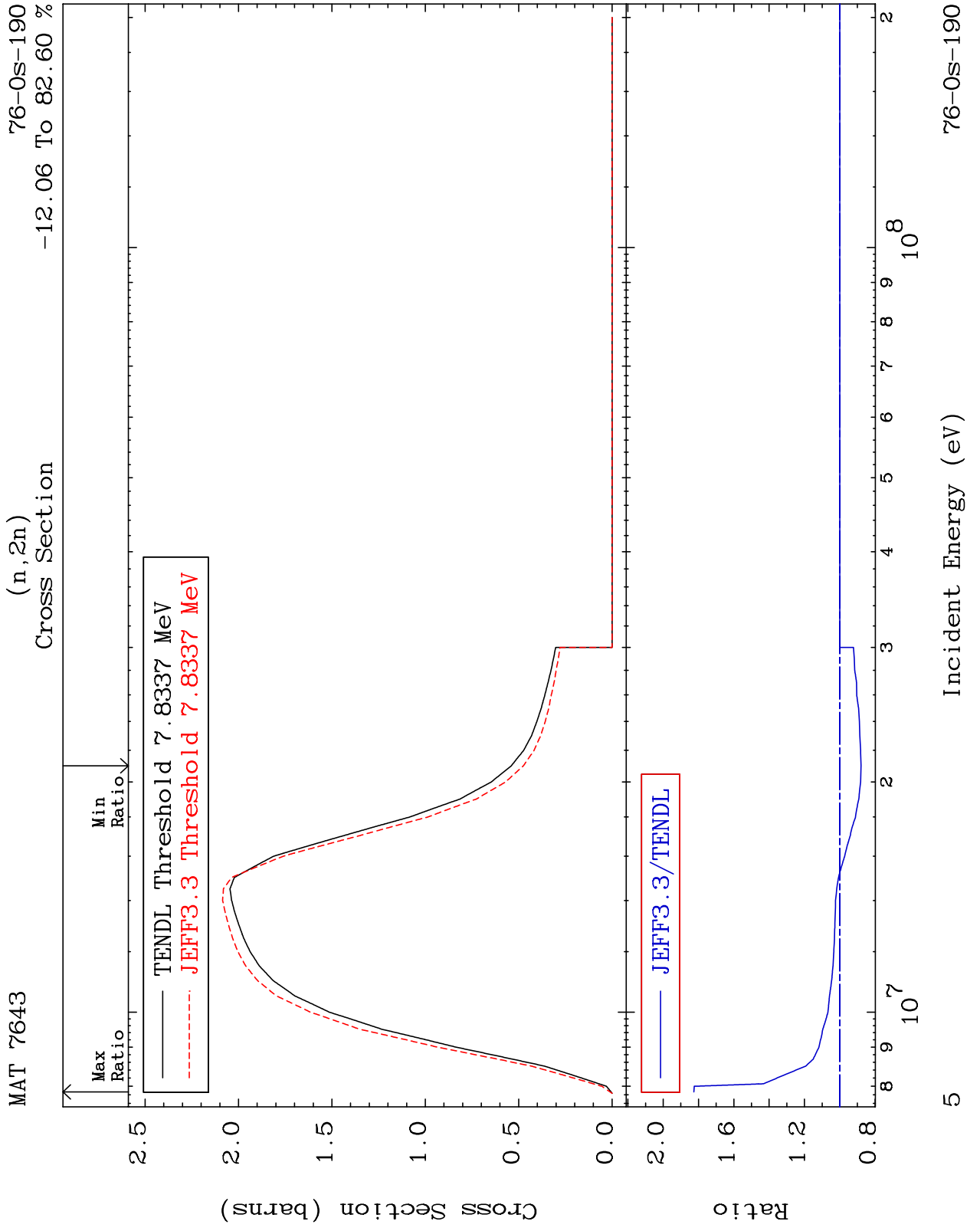
(n,2n) d

76-0s-190

Cross Section

-98.20 To 5526. %





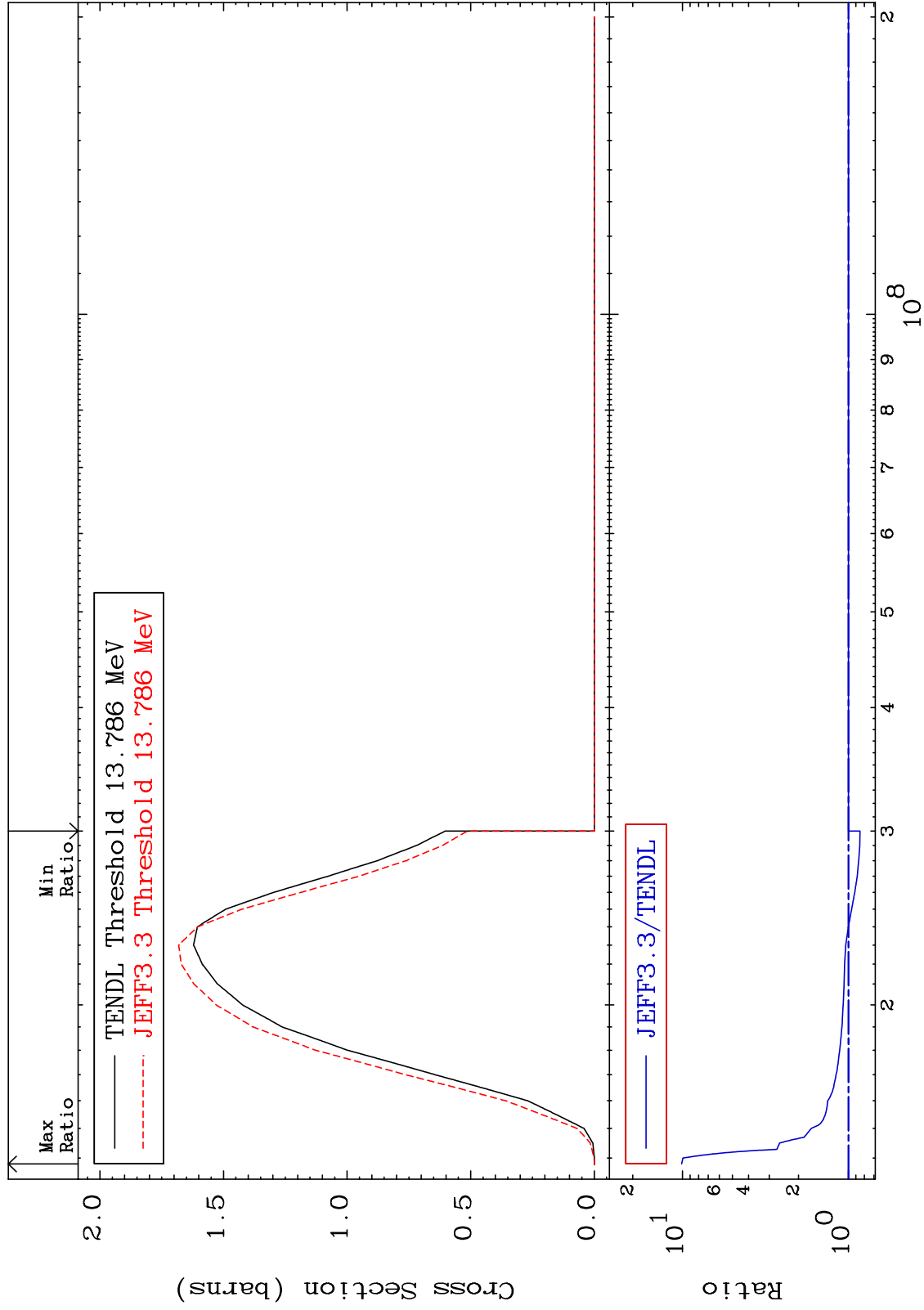
MAT 7643

(n, 3n)

76-0s-190

Cross Section

-14.97 To 912.4 %



6

Incident Energy (eV)

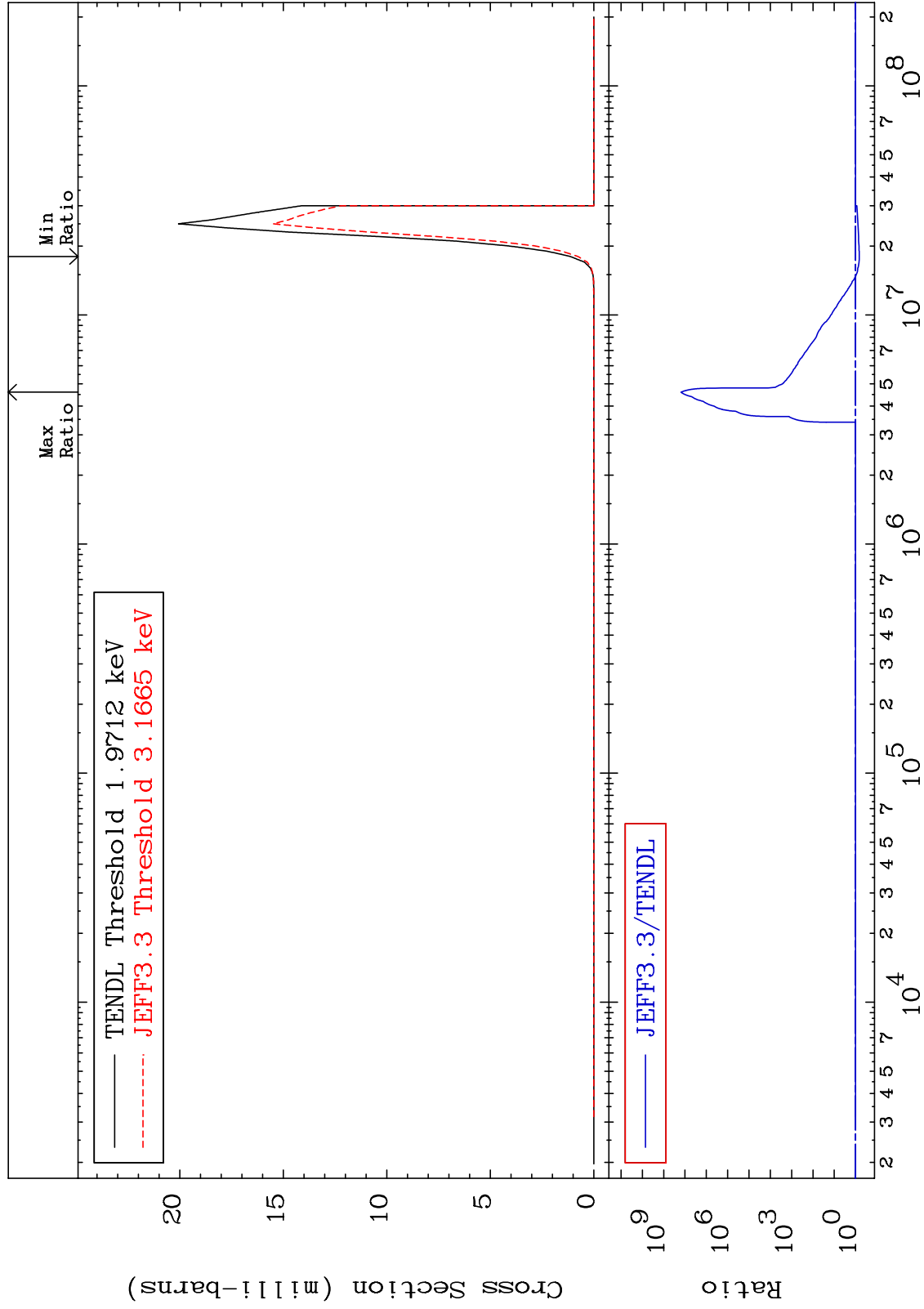
76-0s-190

MAT 7643

(n, n') α

Cross Section

76-0s-190
-32.82 To 9999. %



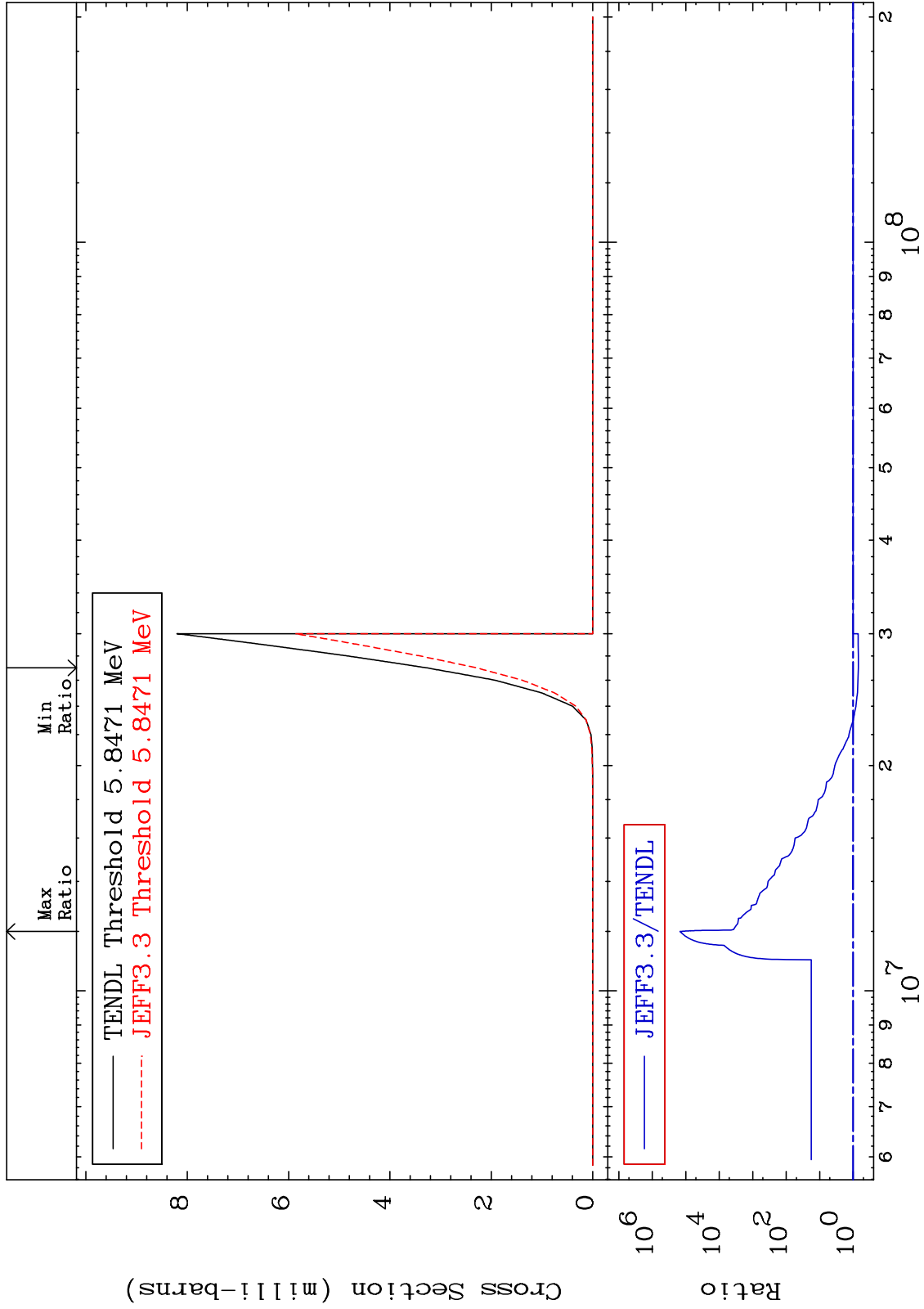
MAT 7643

(n,2n) α

76-0s-190

Cross Section

-29.95 To 9999. %



MAT 7643

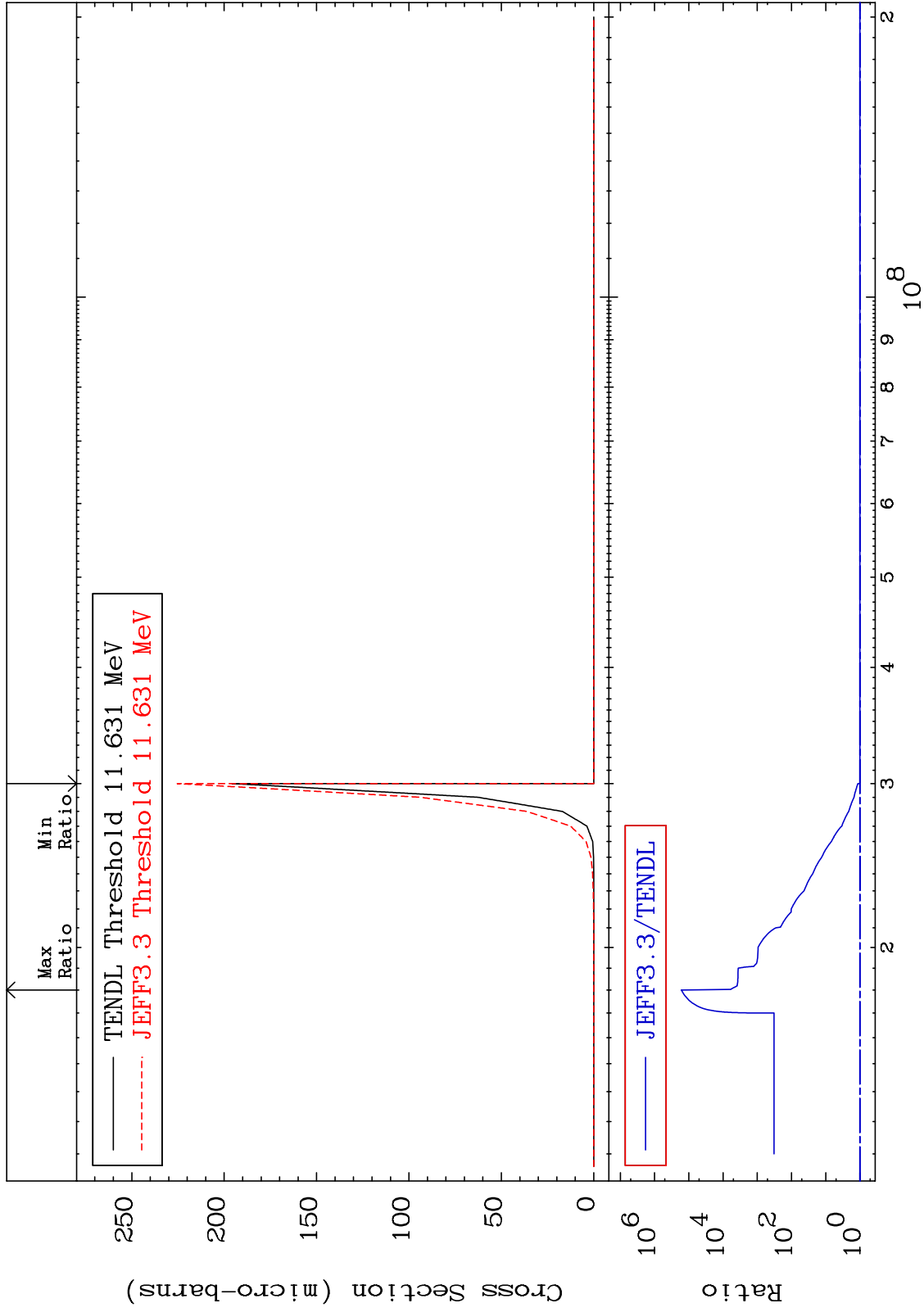
(n,3n) α

76-0s-190

Cross Section

0.000

To 9999. %



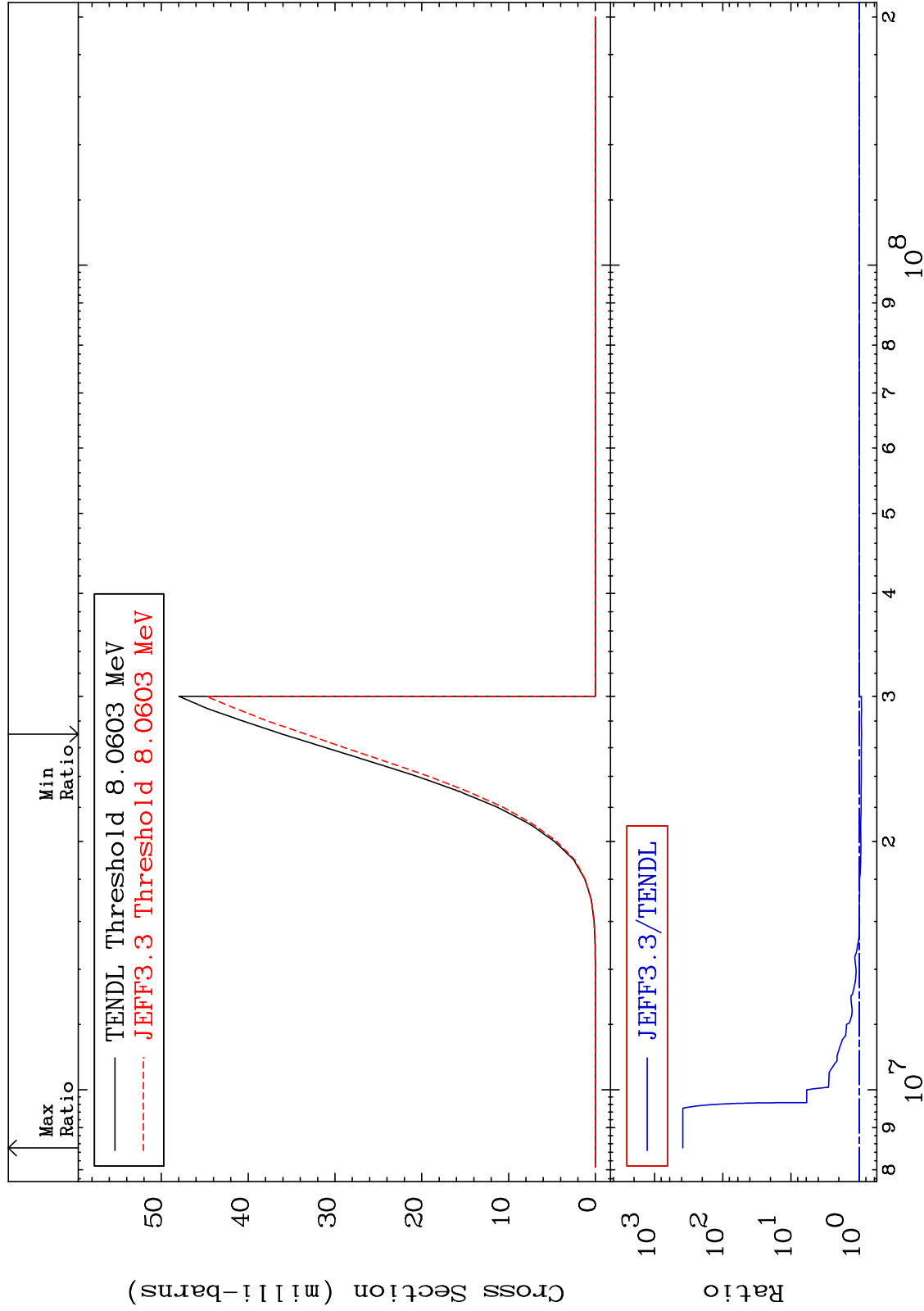
MAT 7643

(n,n') p

76-0s-190

Cross Section

-7.526 To 9999. %



76-0s-190

Incident Energy (eV)

10

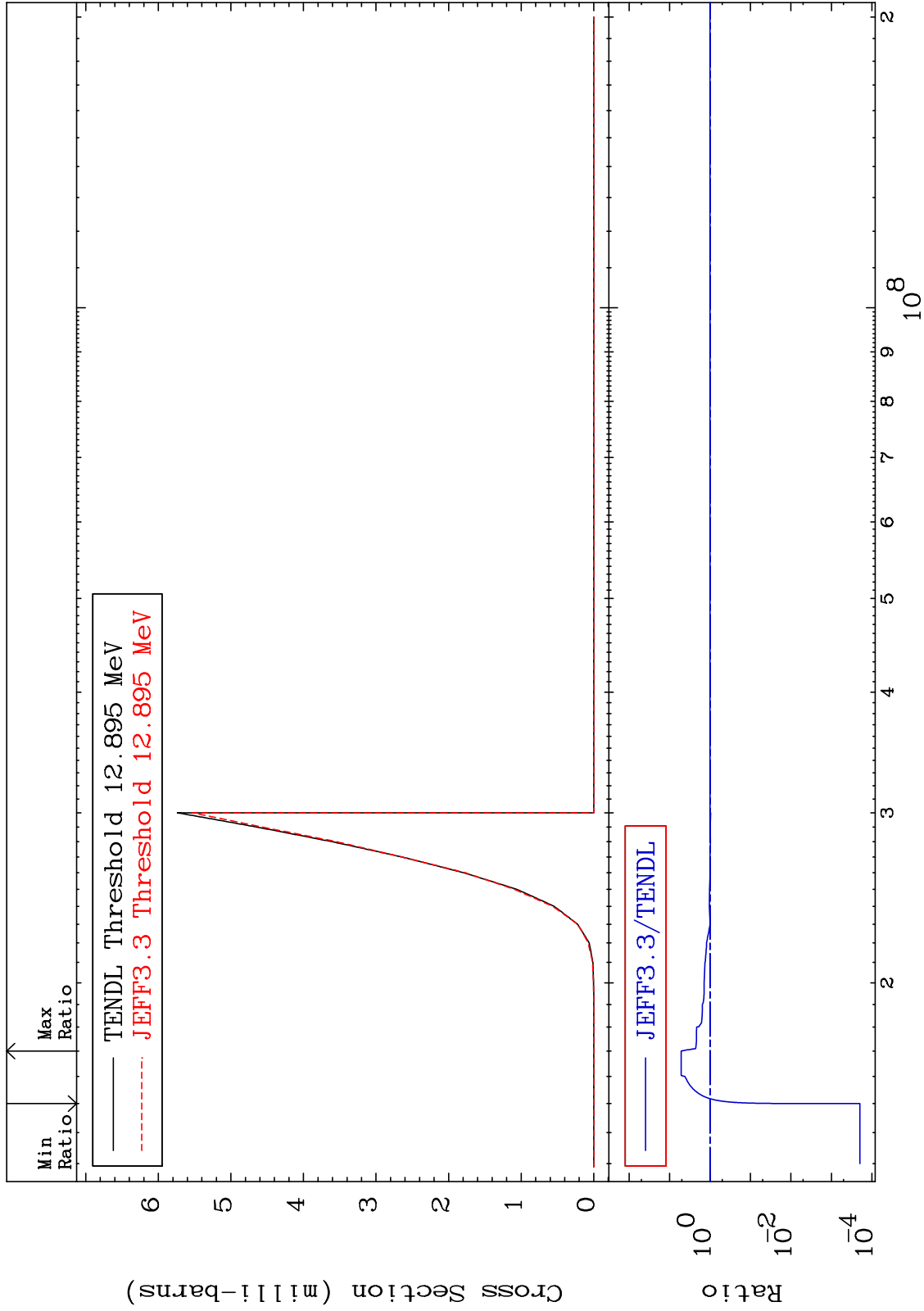
MAT 7643

(n, n') d

76-0s-190

Cross Section

-99.98 To 415.4 %



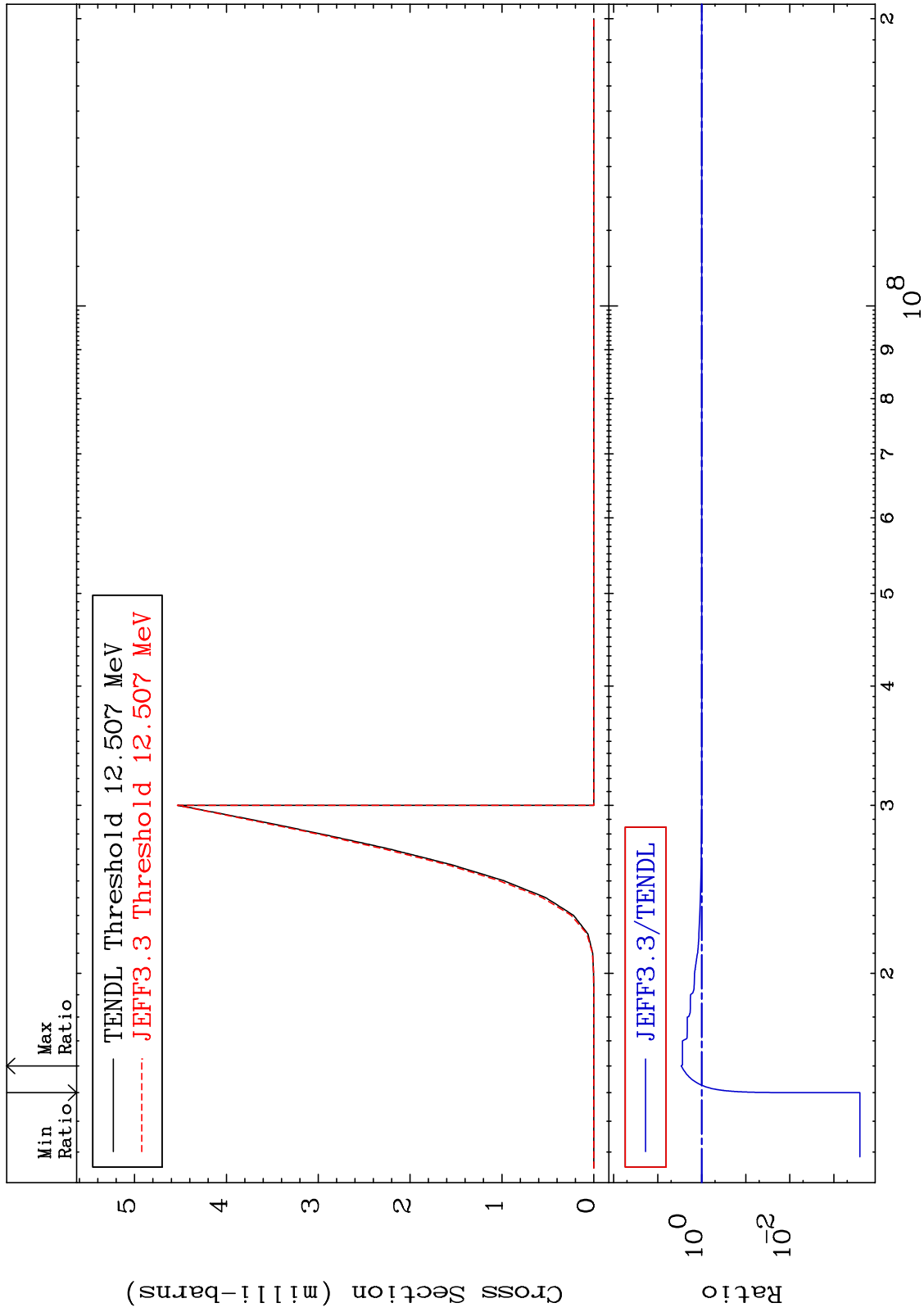
MAT 7643

(n,n') t

76-0s-190

Cross Section

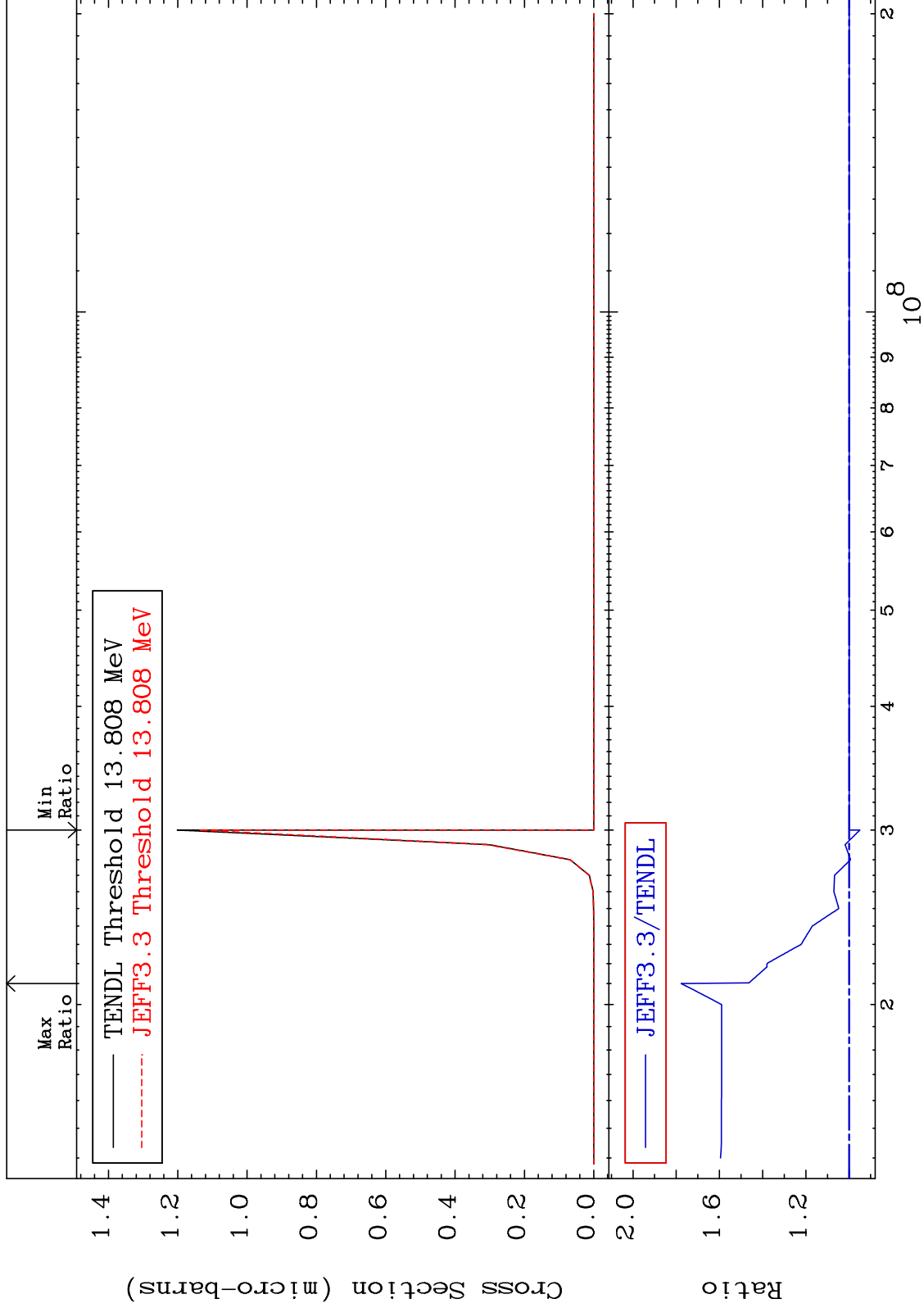
-99.97 To 193.0 %



MAT 7643

(n, n') He-3
Cross Section

76-0s-190
-5.018 To 77.68 %



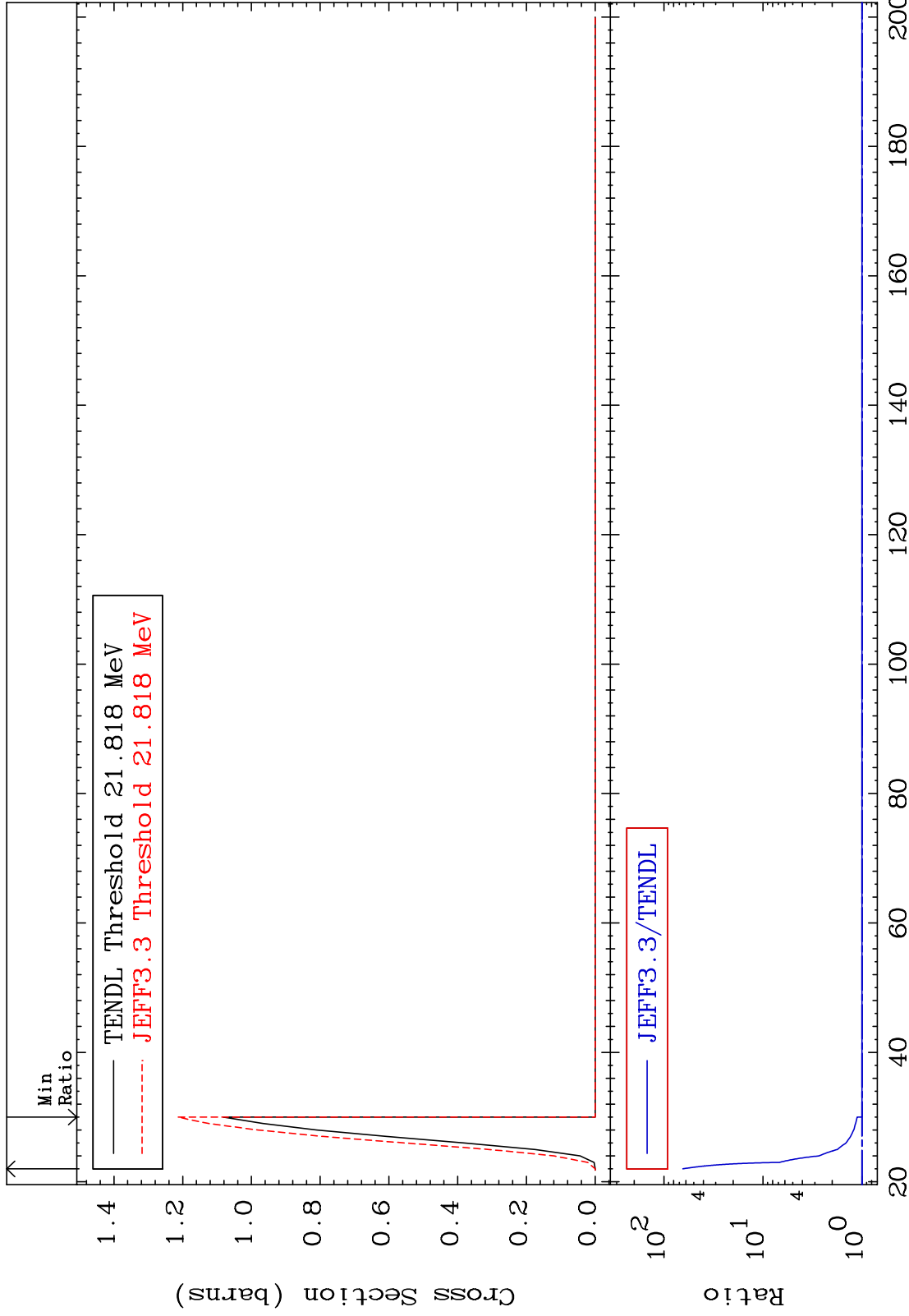
MAT 7643

(n, 4n)

76-0s-190

Cross Section

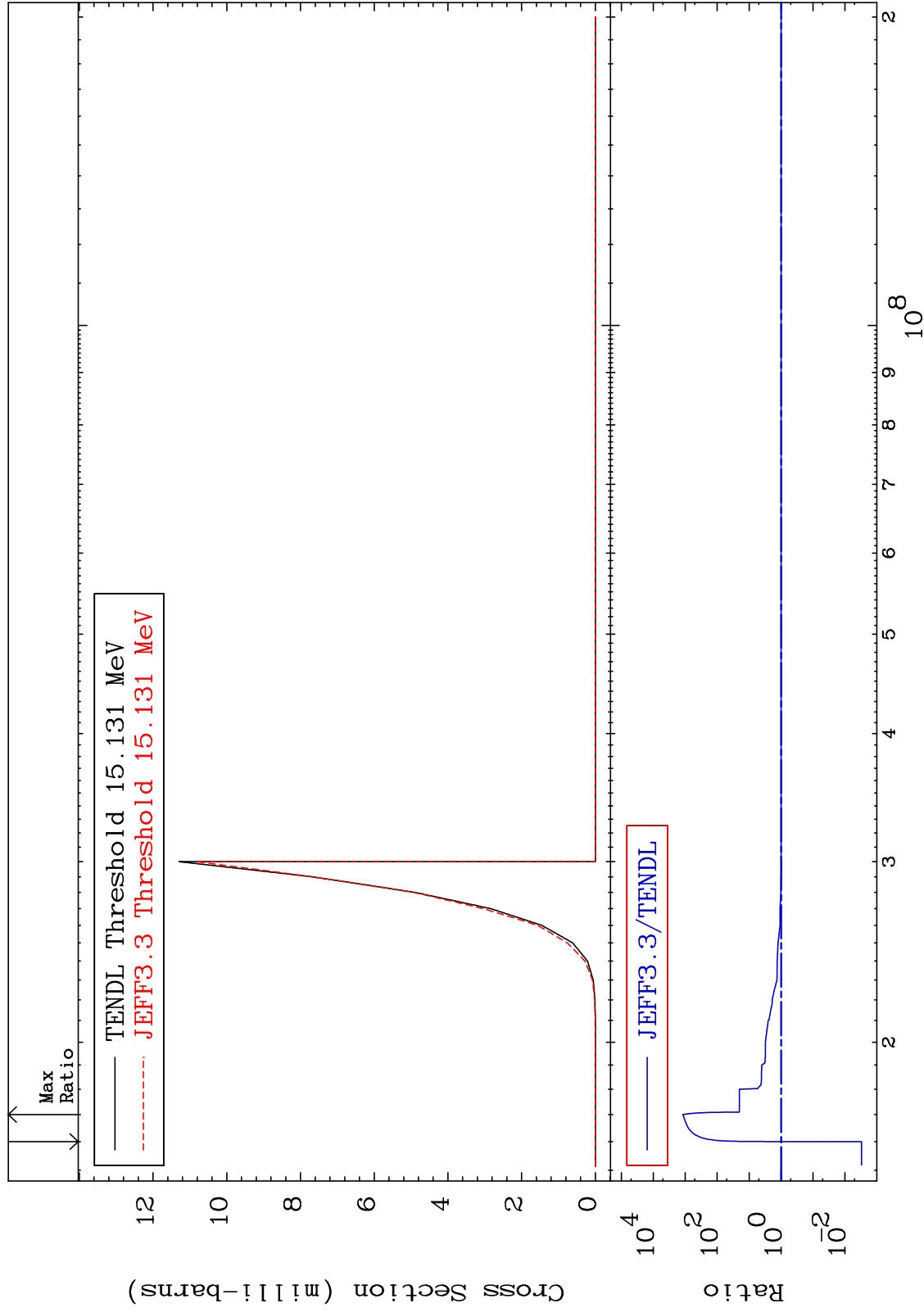
0.000 To 6346. %



MAT 7643

(n,2n) p
Cross Section

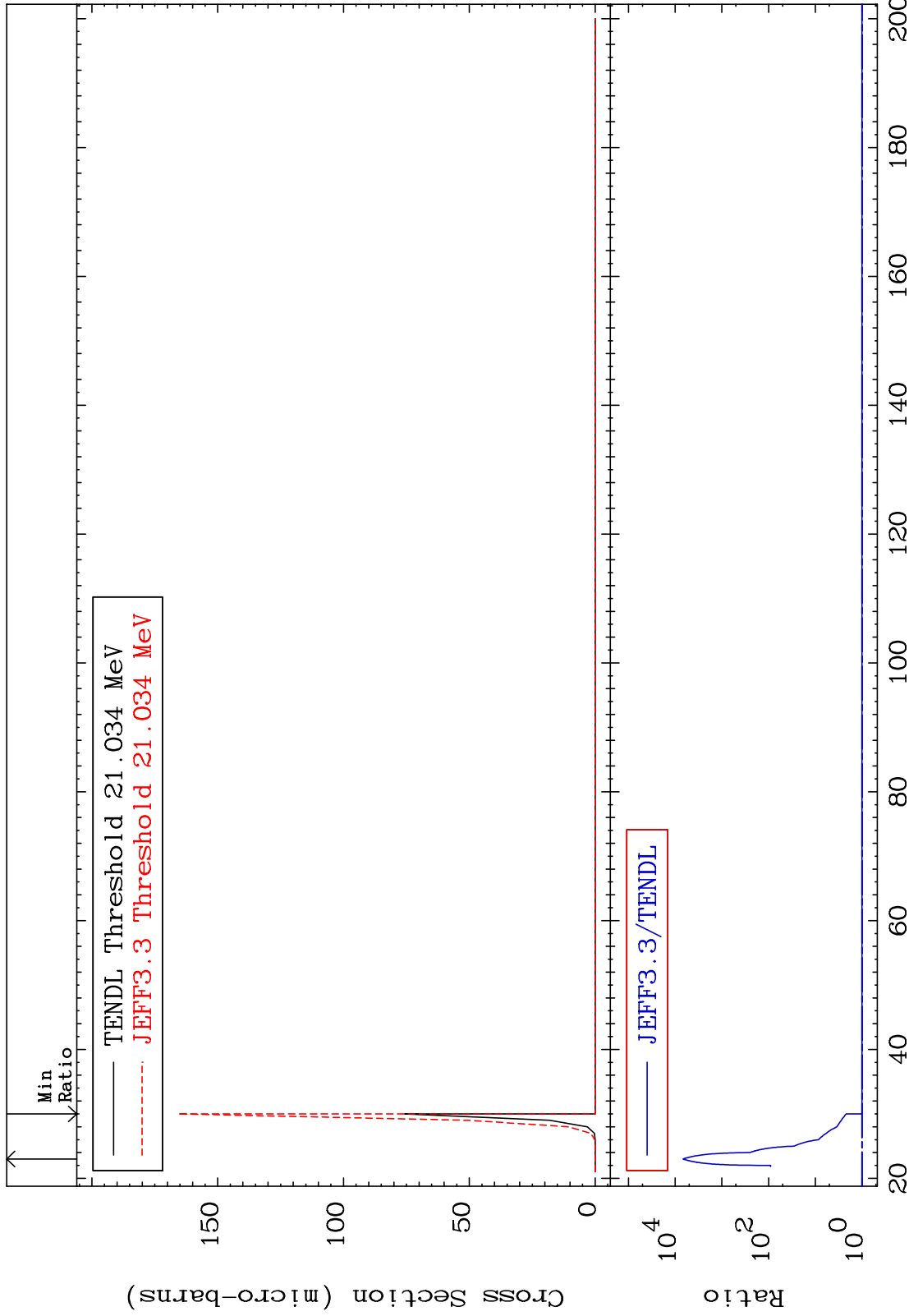
76-0s-190
-99.70 To 9999. %



MAT 7643

(n,3n) p
Cross Section

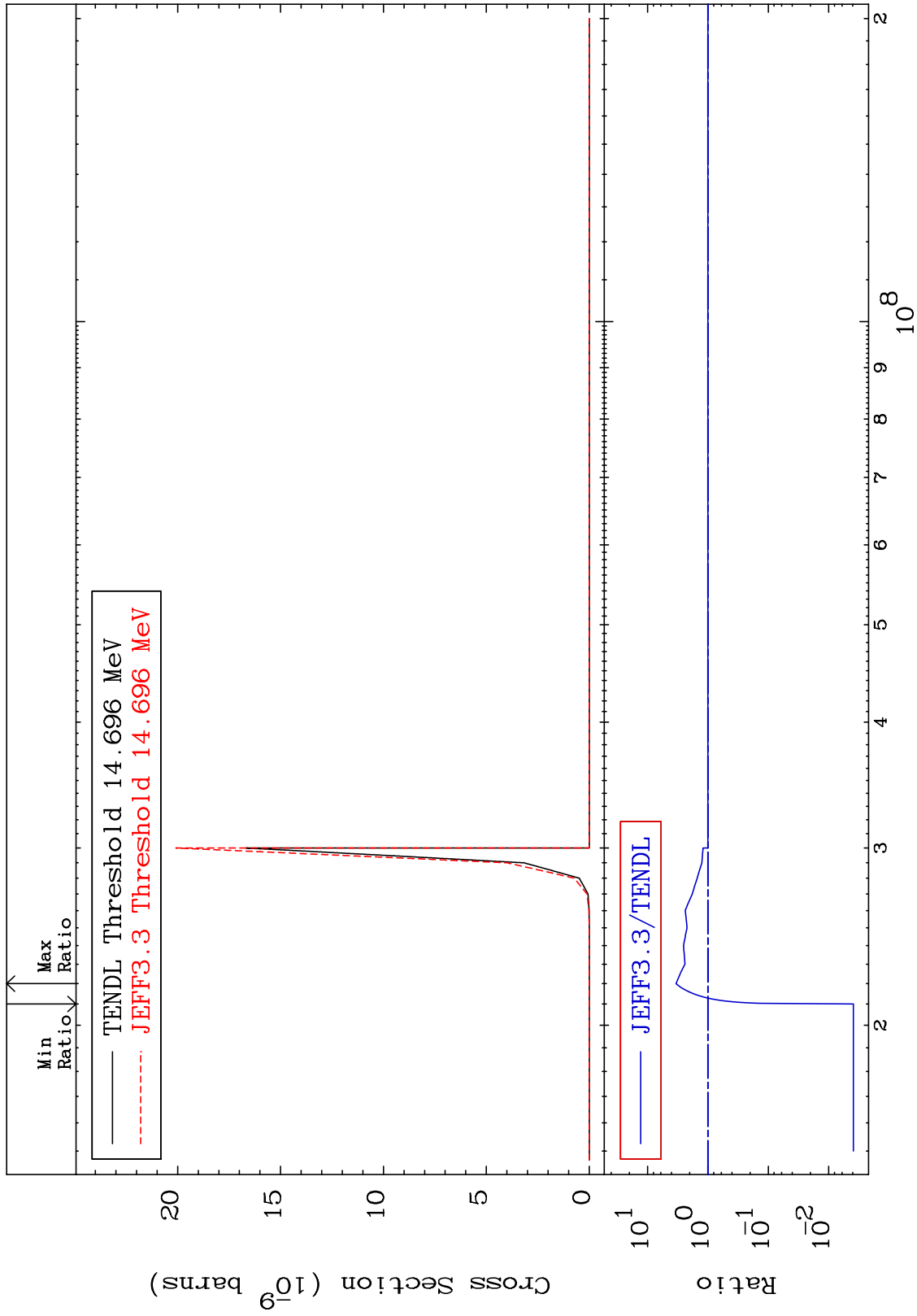
76-0s-190
0.000 To 9999. %



MAT 7643

(n,2n) p
Cross Section

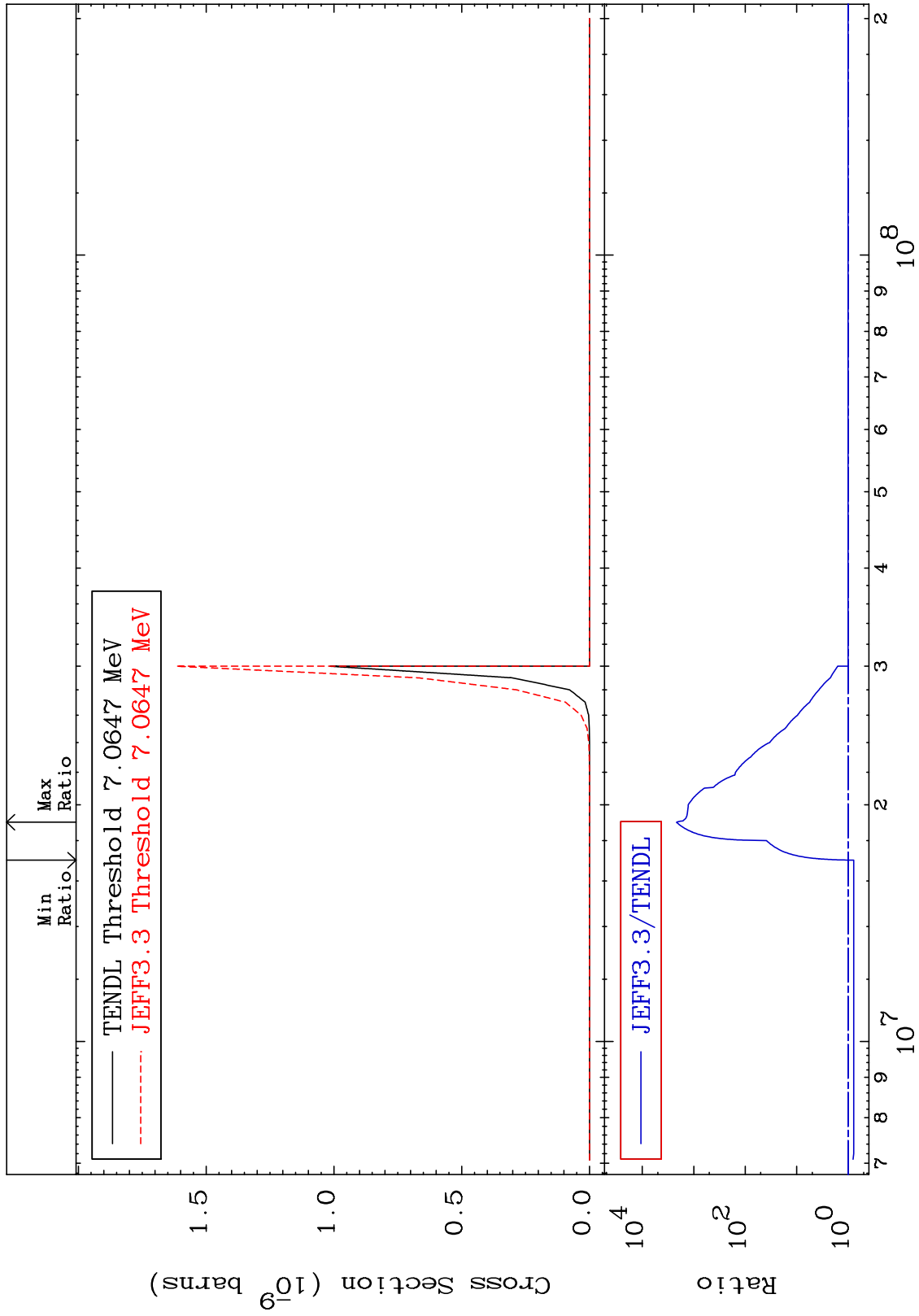
76-0s-190
-99.61 To 236.6 %



MAT 7643

(n,n') p α
Cross Section

76-0s-190
-22.15 To 9999. %



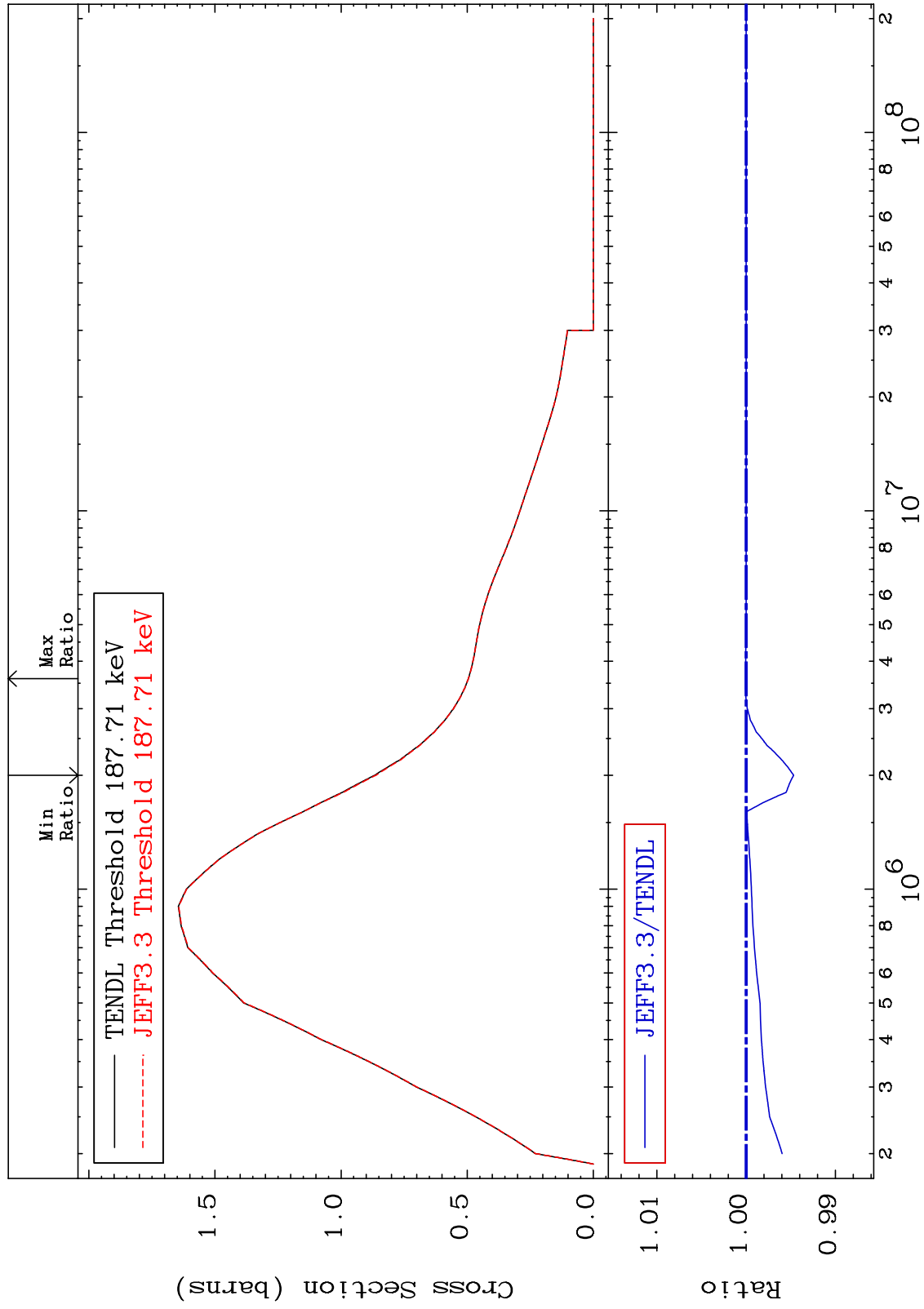
MAT 7643

MT= 51 (n,n') Level

76-0s-190

-0.531 To 0.008 %

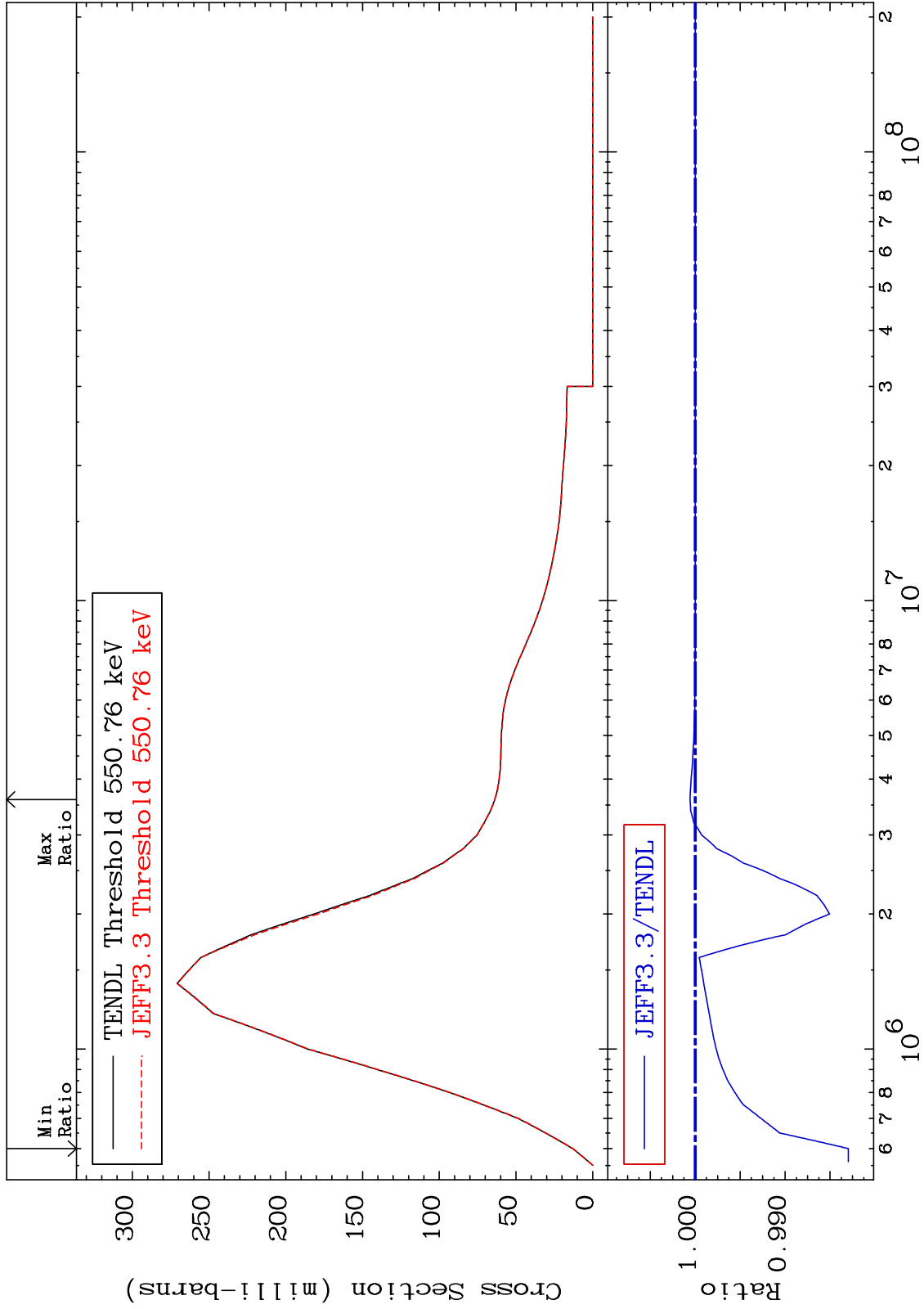
Cross Section



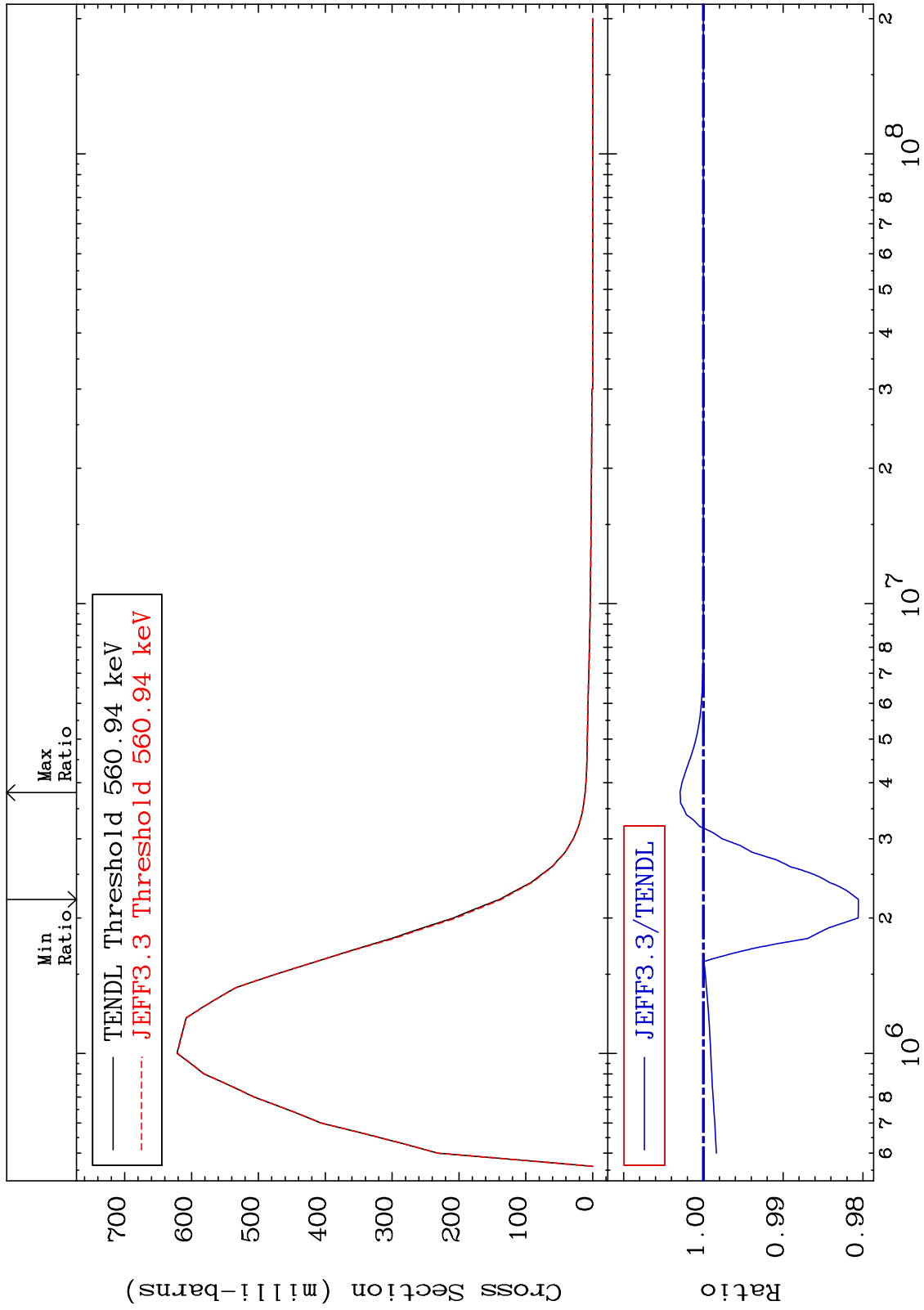
MAT 7643

MT= 52 (n,n') Level
Cross Section

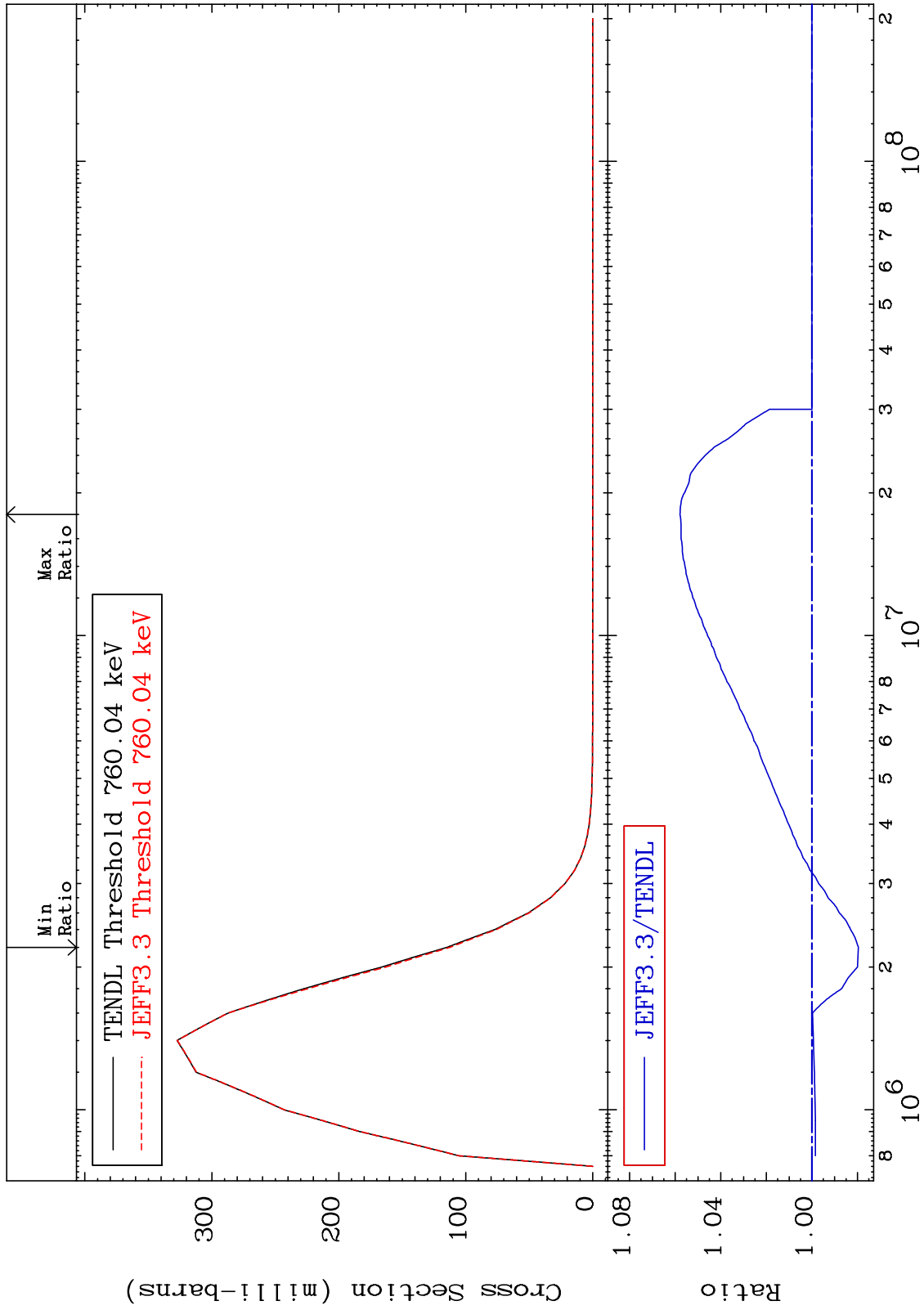
76-0s-190
-1.703 To 0.056 %



MAT 7643 MT= 53 (n,n') Level Cross Section 76-0s-190
 -1.944 To 0.293 %



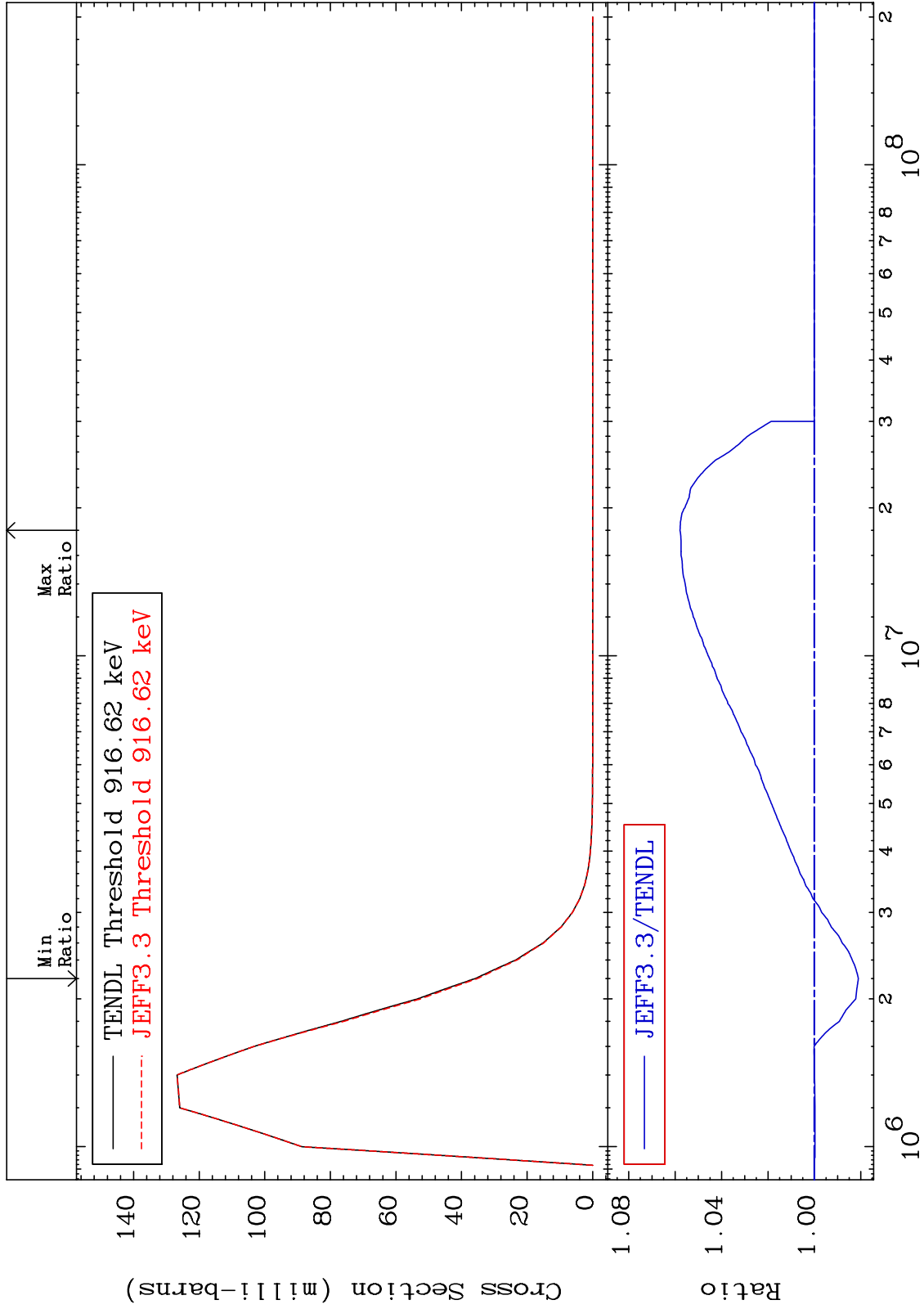
MAT 7643 MT= 54 (n,n') Level Cross Section 76-0s-190
-2.040 To 5.787 %



MAT 7643

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

76-0s-190
-1.897 To 5.790 %



Incident Energy (eV)

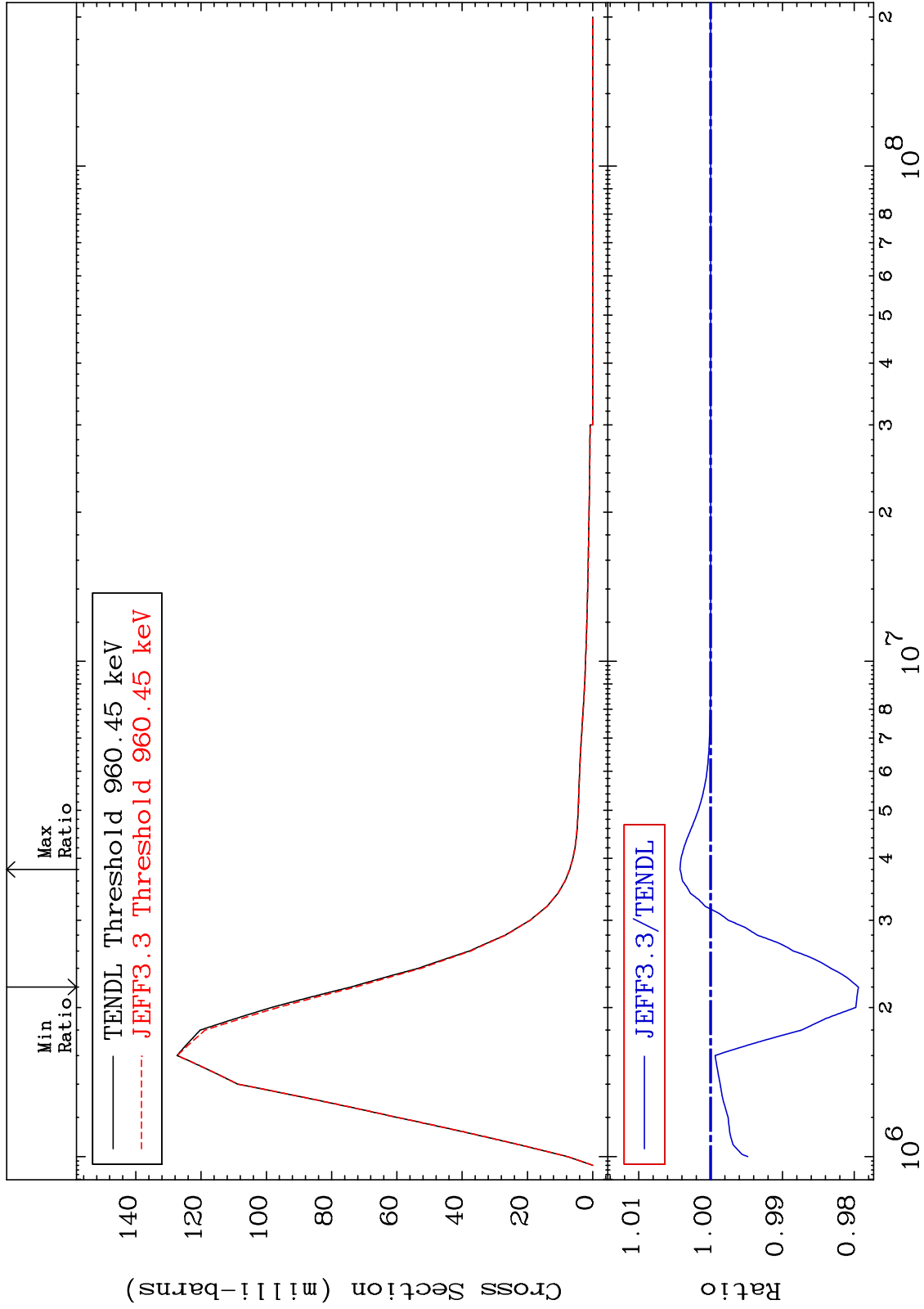
76-0s-190

23

MAT 7643

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

76-0s-190
-2.058 To 0.426 %



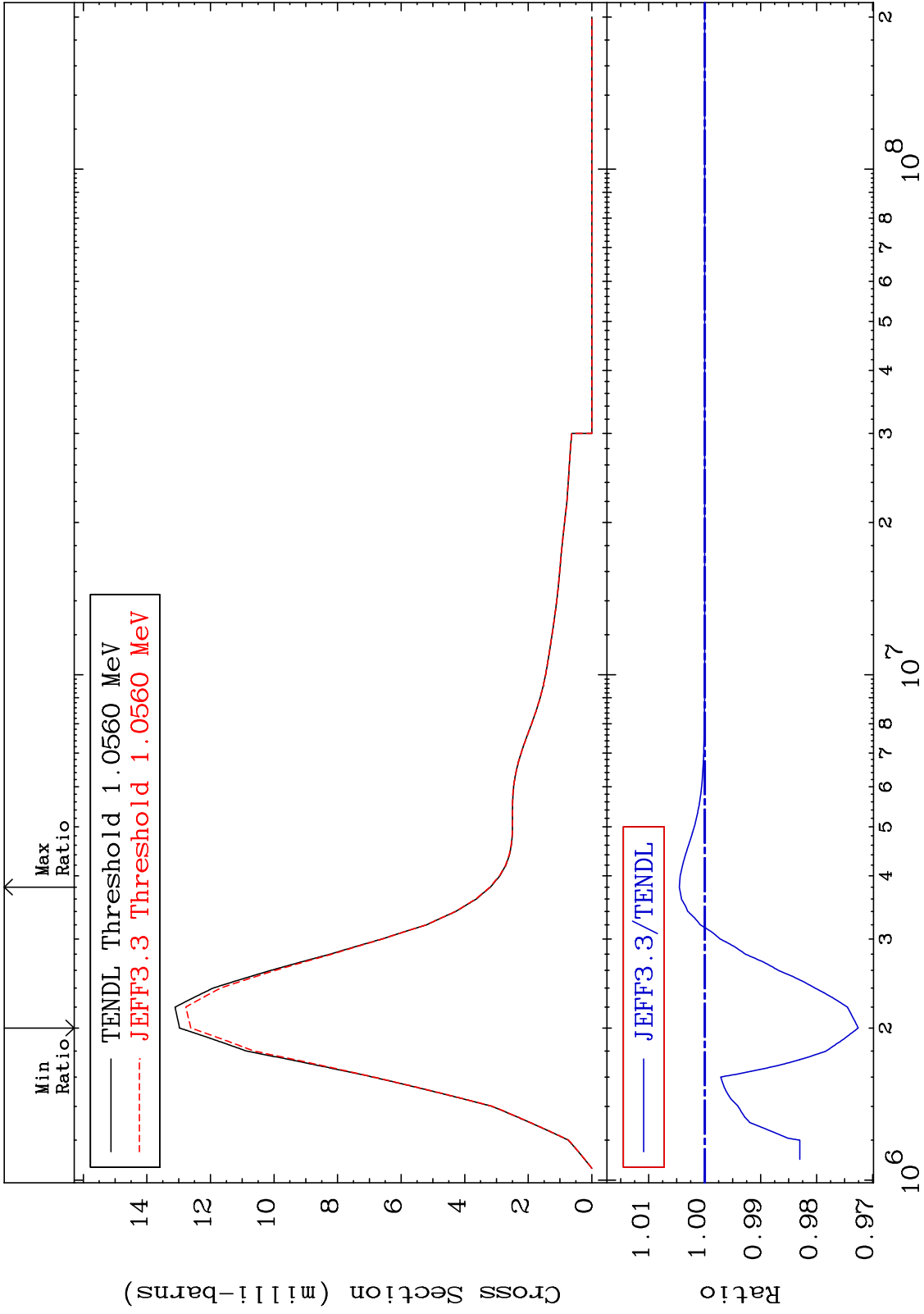
24

76-0s-190

MAT 7643

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

76-0s-190
-2.745 To 0.453 %

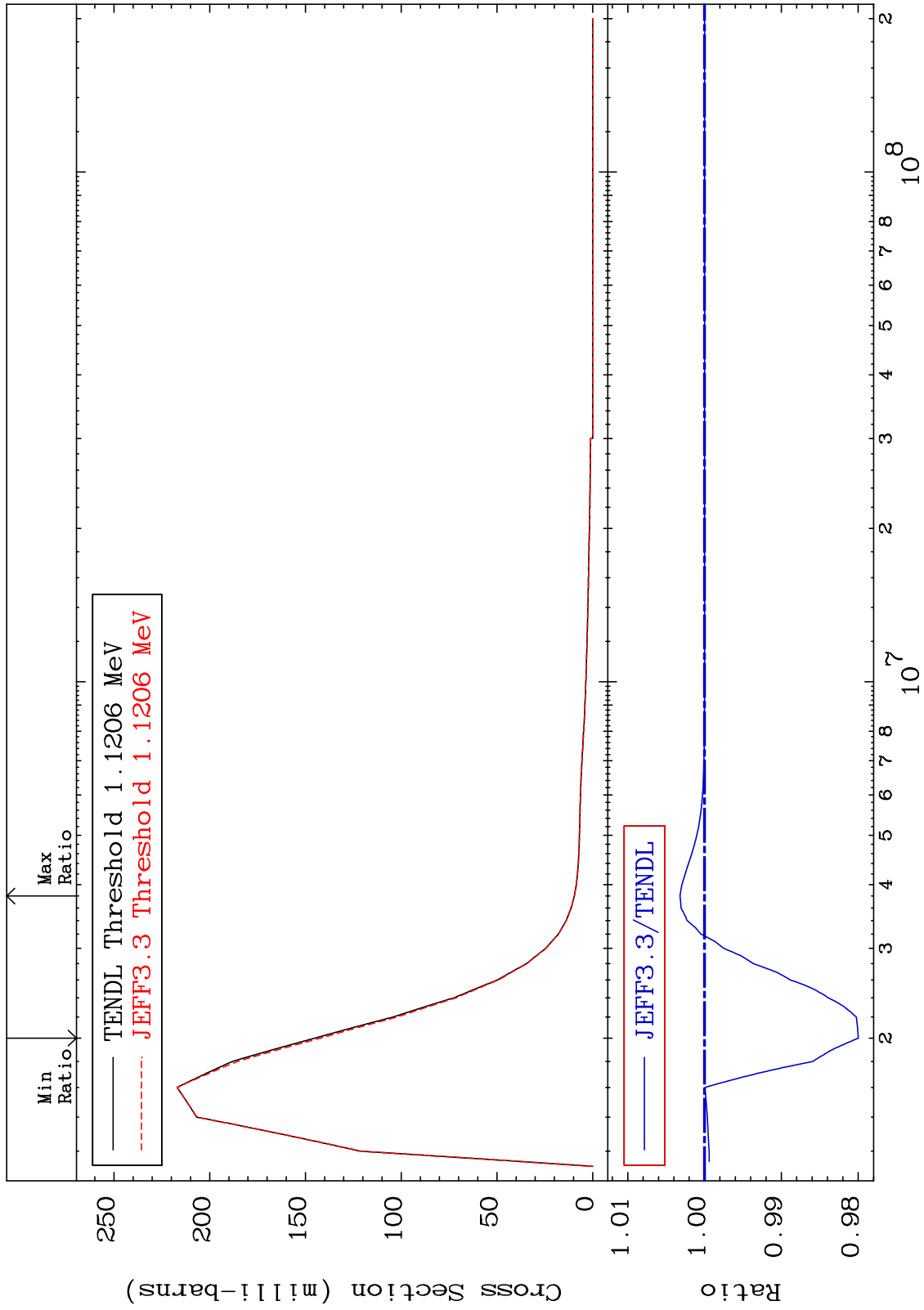


25

Incident Energy (eV)

76-0s-190

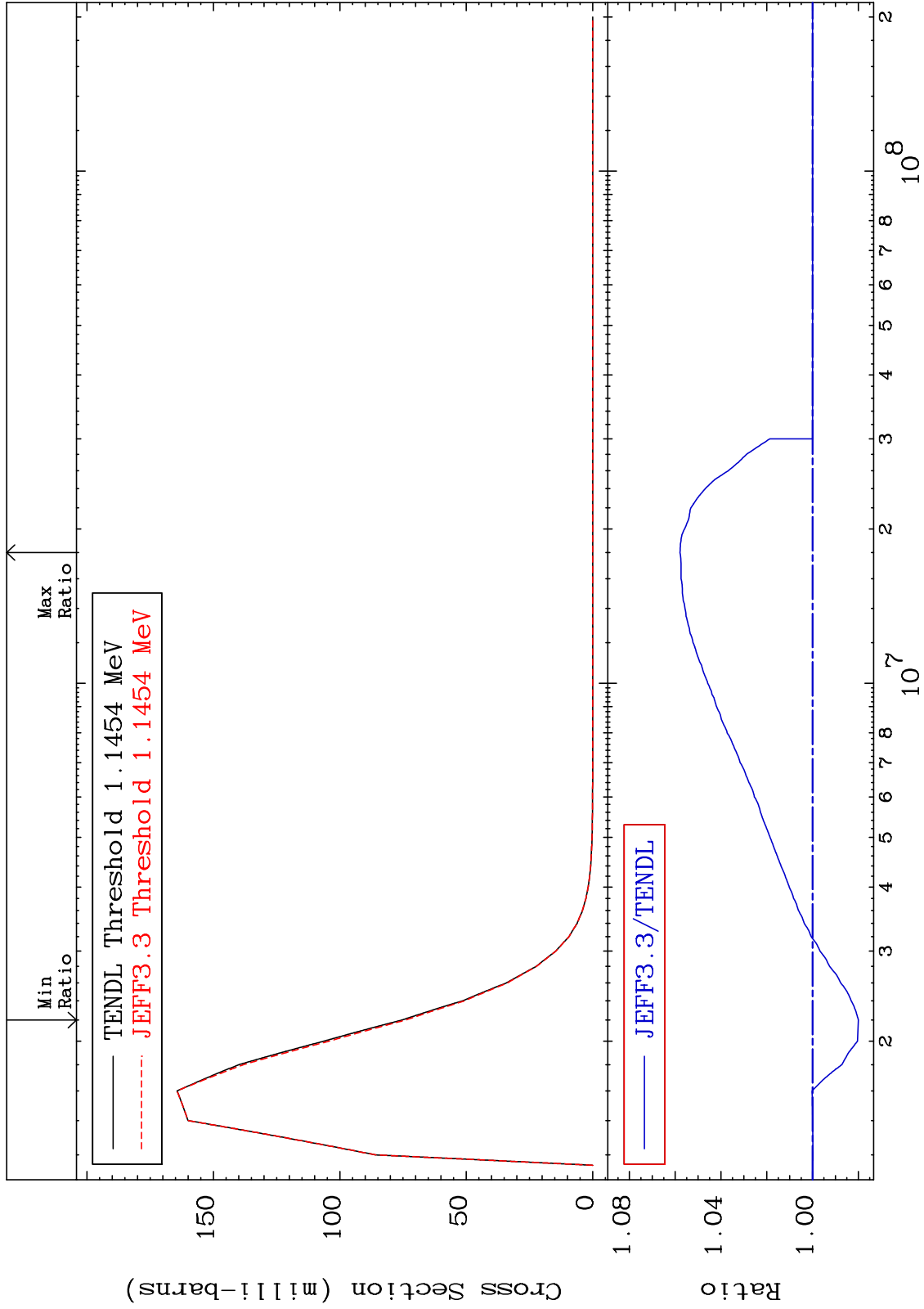
MAT 7643 MT= 58 (n,n') Level
 Cross Section 76-0s-190
 -2.003 To 0.320 %



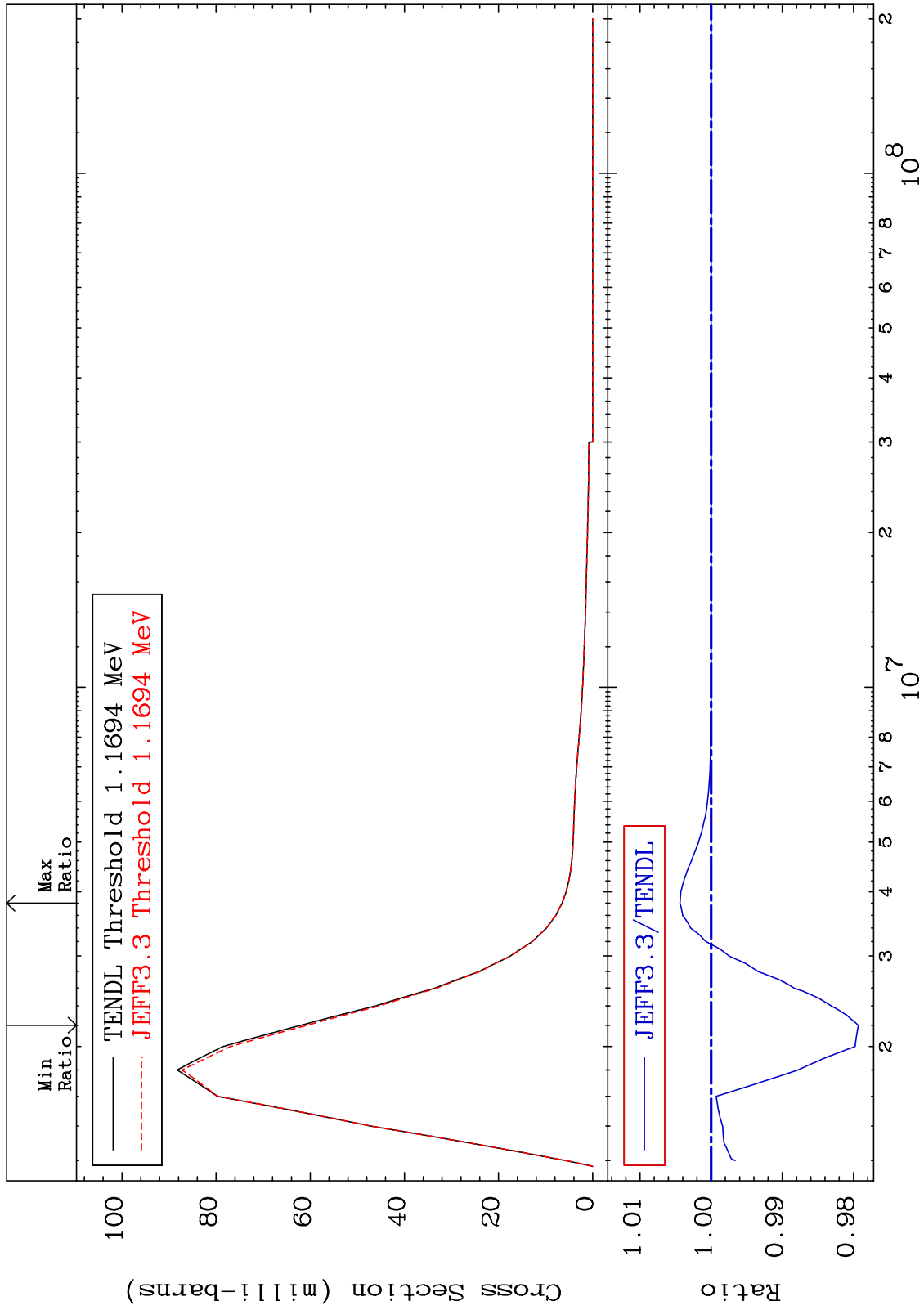
MAT 7643

MT= 59 (n, n') Level
Cross Section

76-0s-190
-2.003 To 5.790 %



MAT 7643 MT= 60 (n,n') Level Cross Section 76-0s-190
 -2.070 To 0.438 %

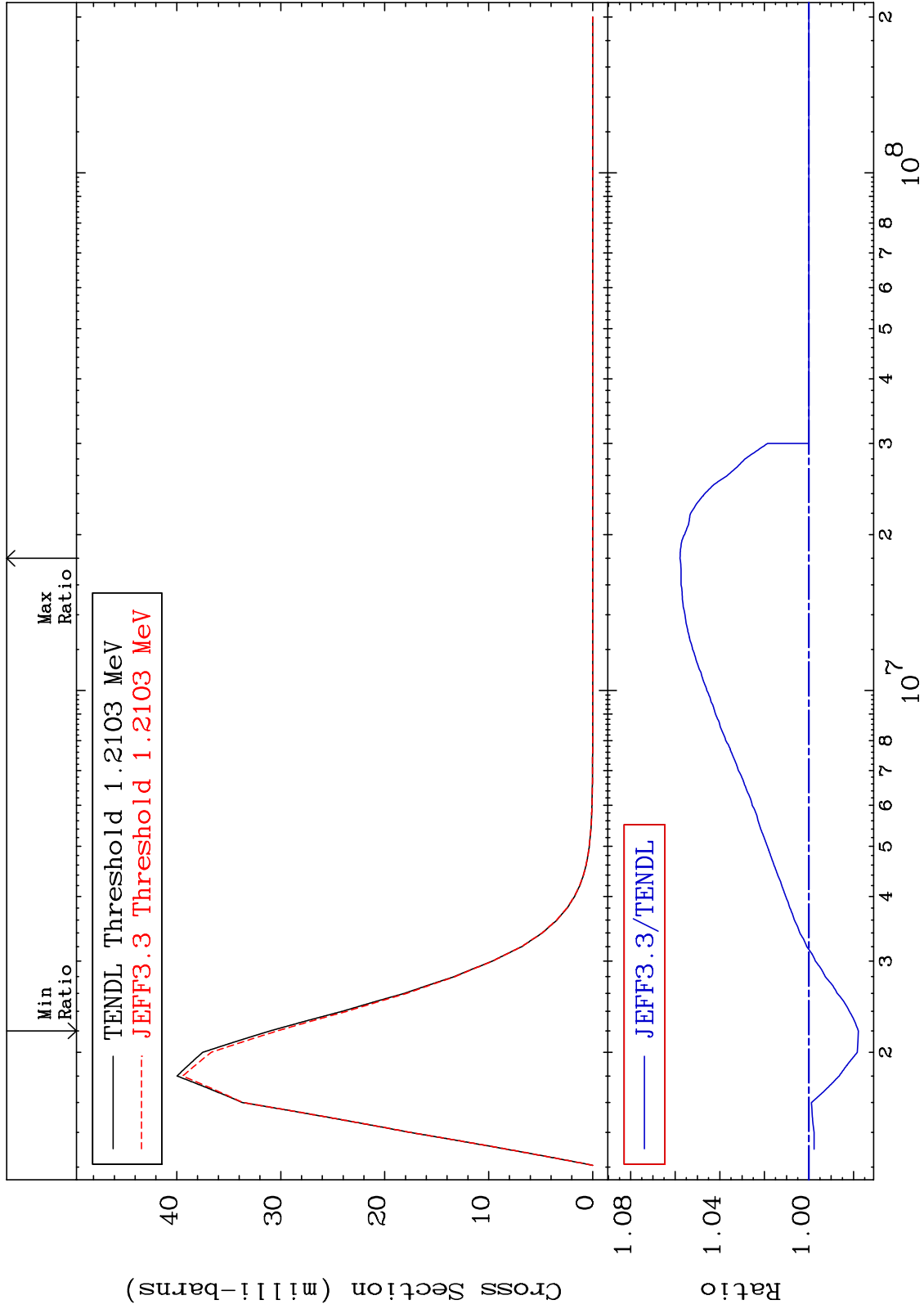


Incident Energy (eV) 76-0s-190

MAT 7643

MT= 61 (n,n') Level
Cross Section

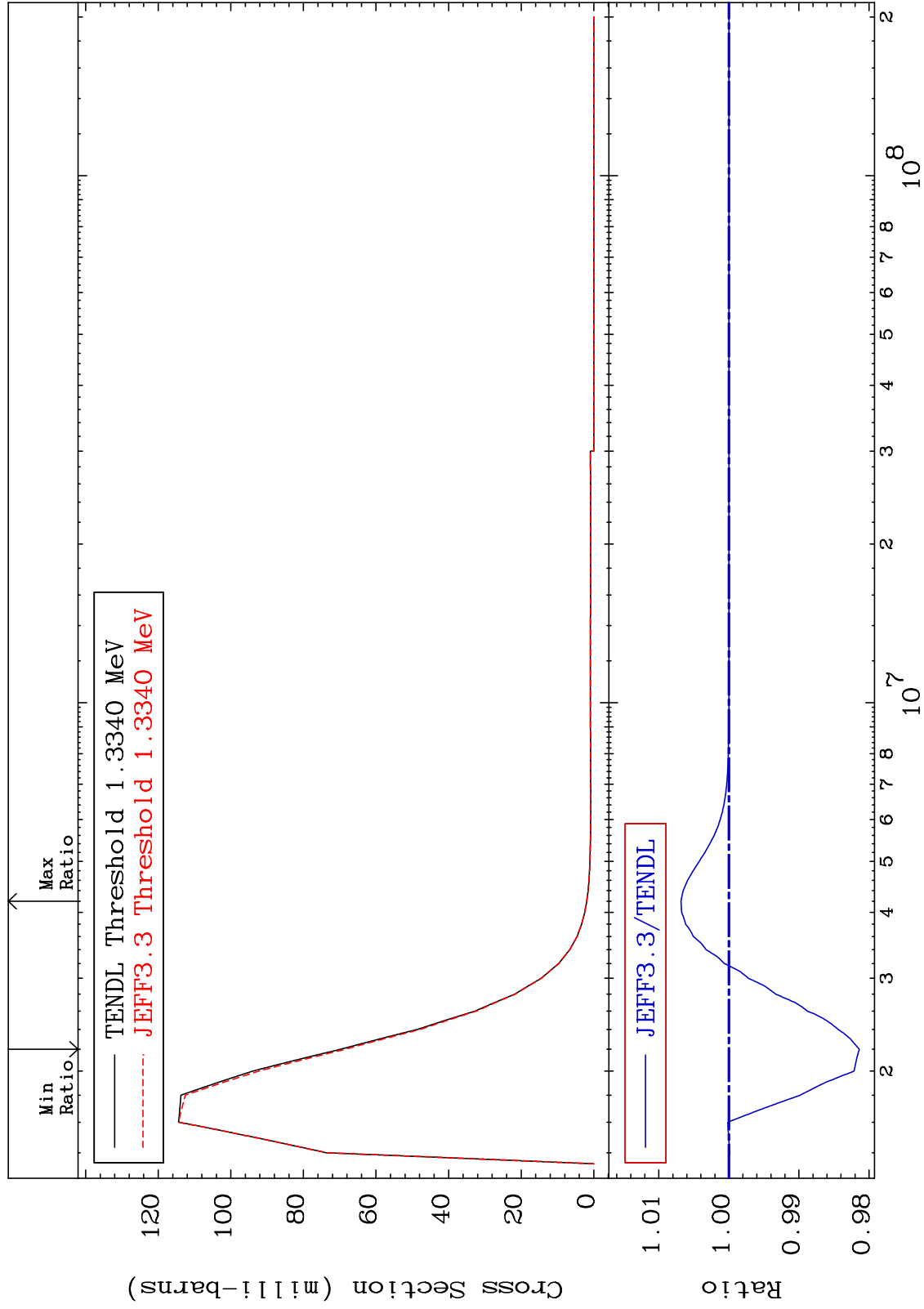
76-0s-190
-2.221 To 5.784 %



MAT 7643

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

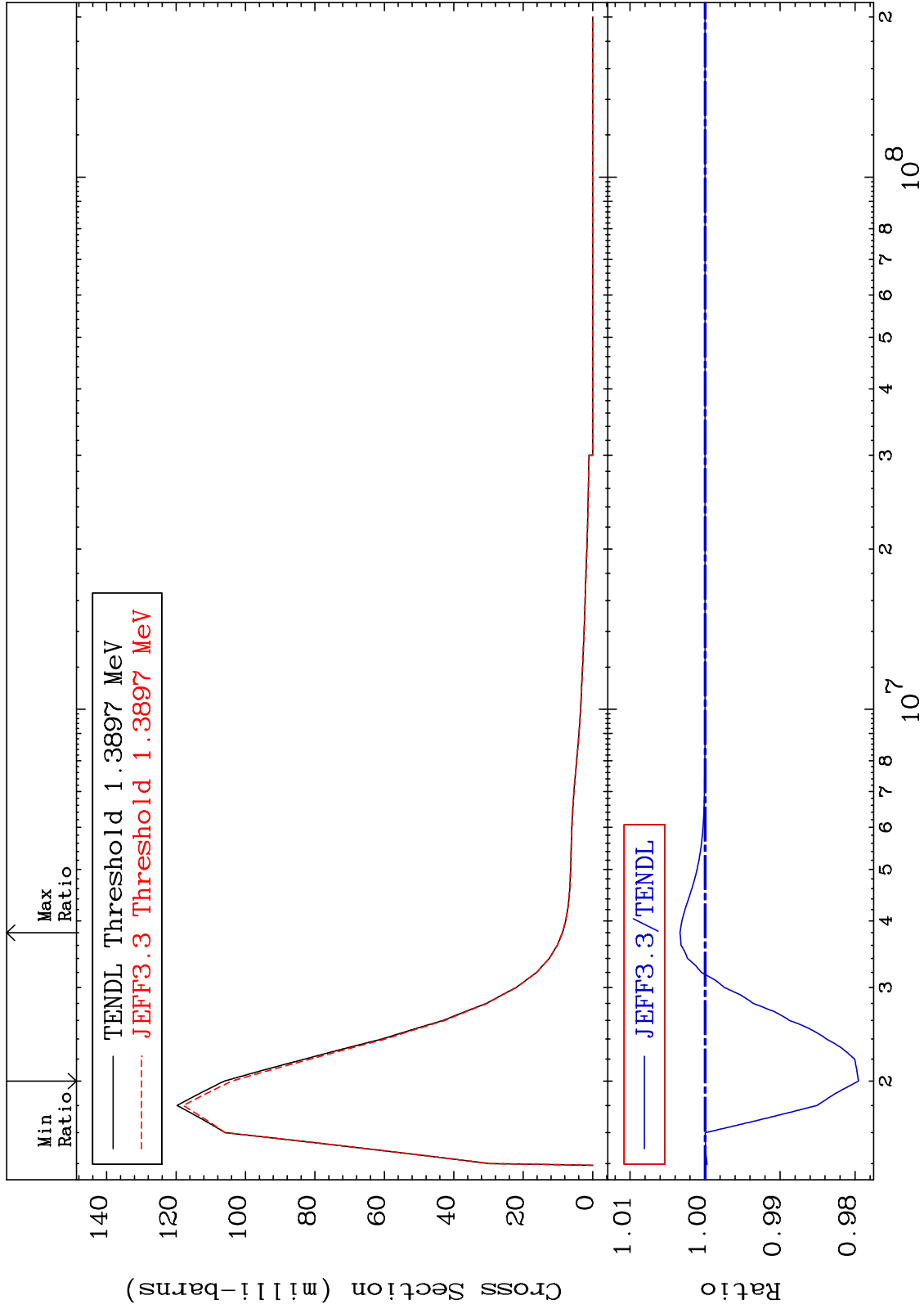
76-0s-190
-1.861 To 0.683 %



MAT 7643

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

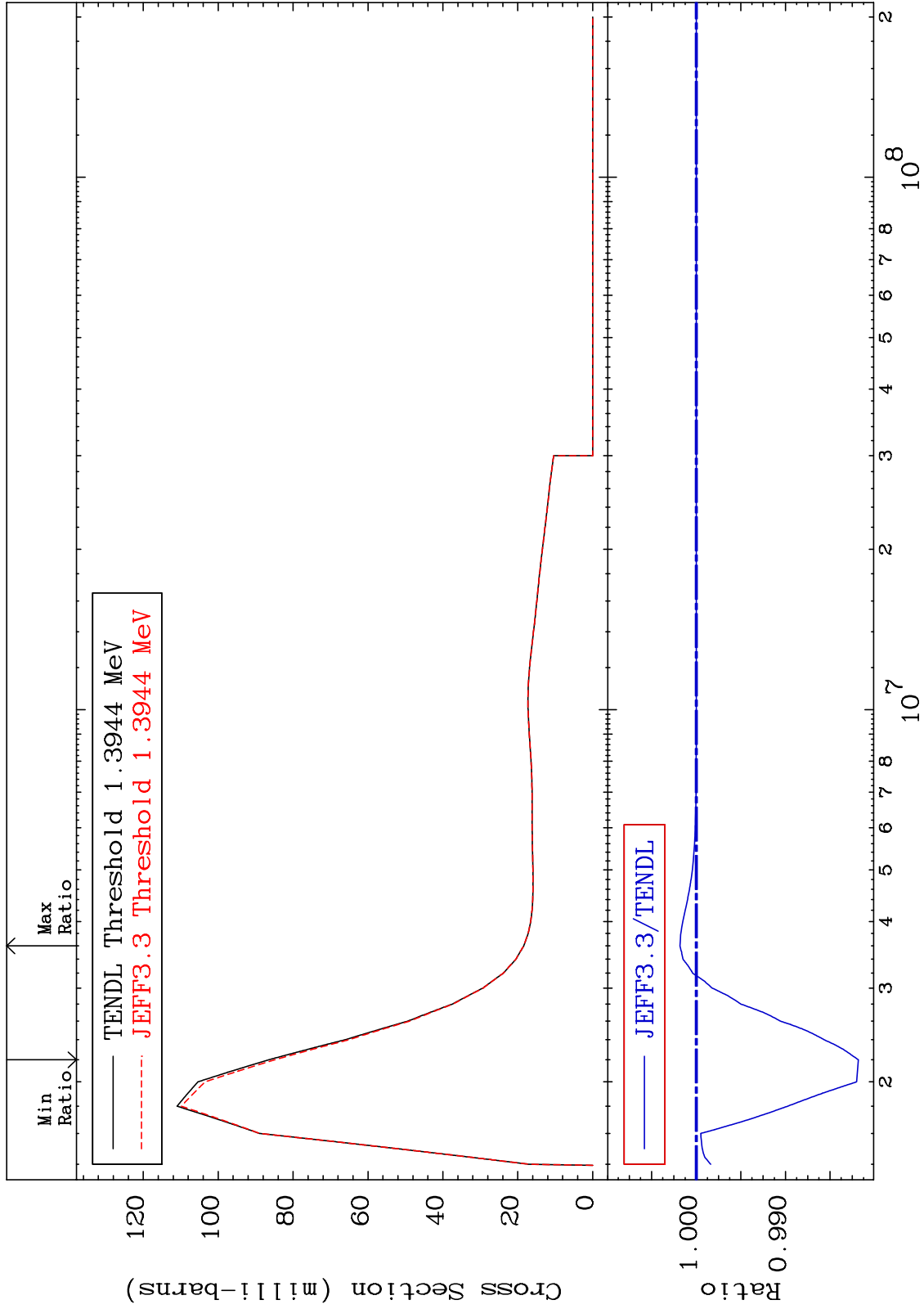
76-0s-190
-2.045 To 0.334 %



MAT 7643

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

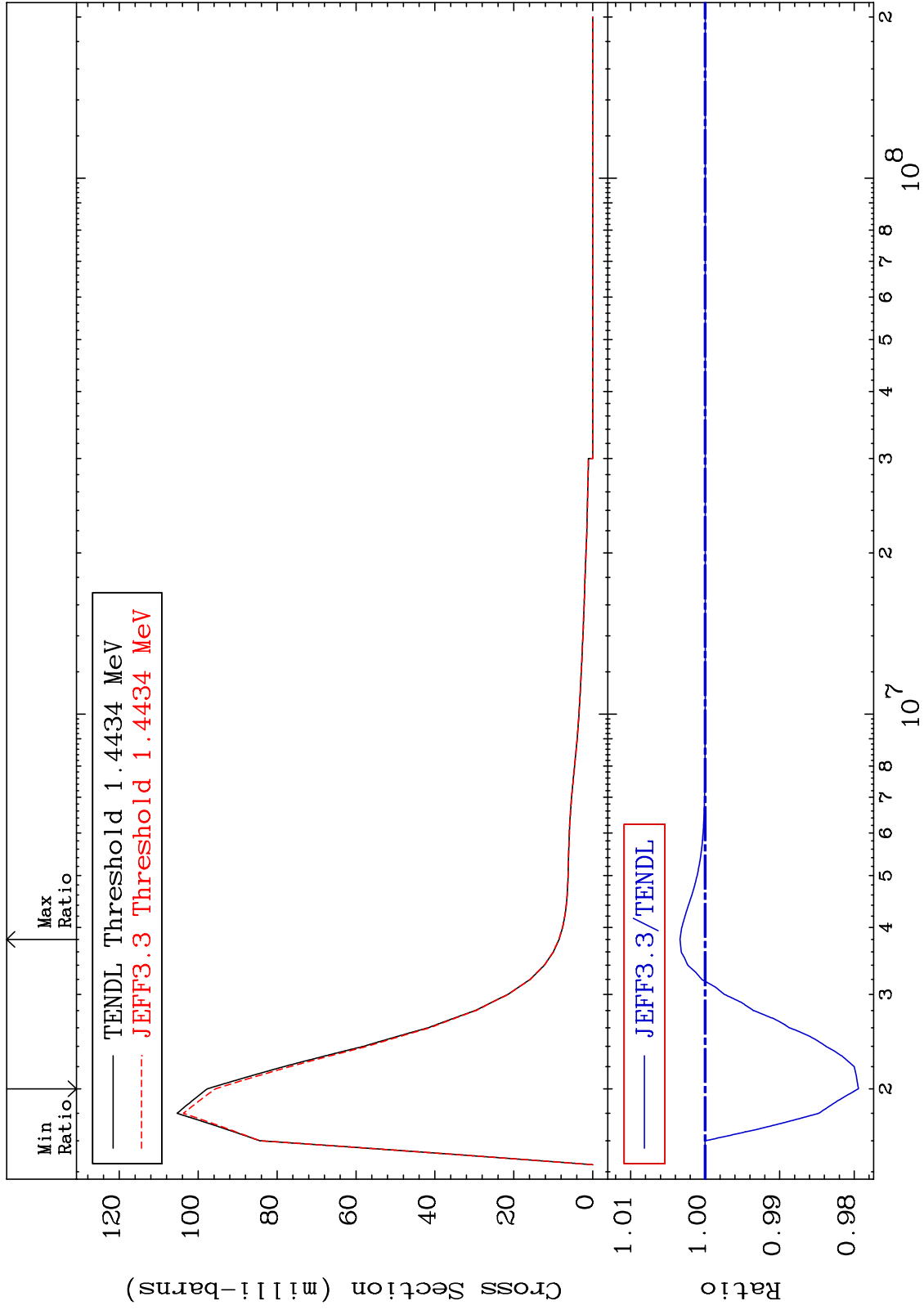
76-0s-190
-1.818 To 0.182 %



MAT 7643

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

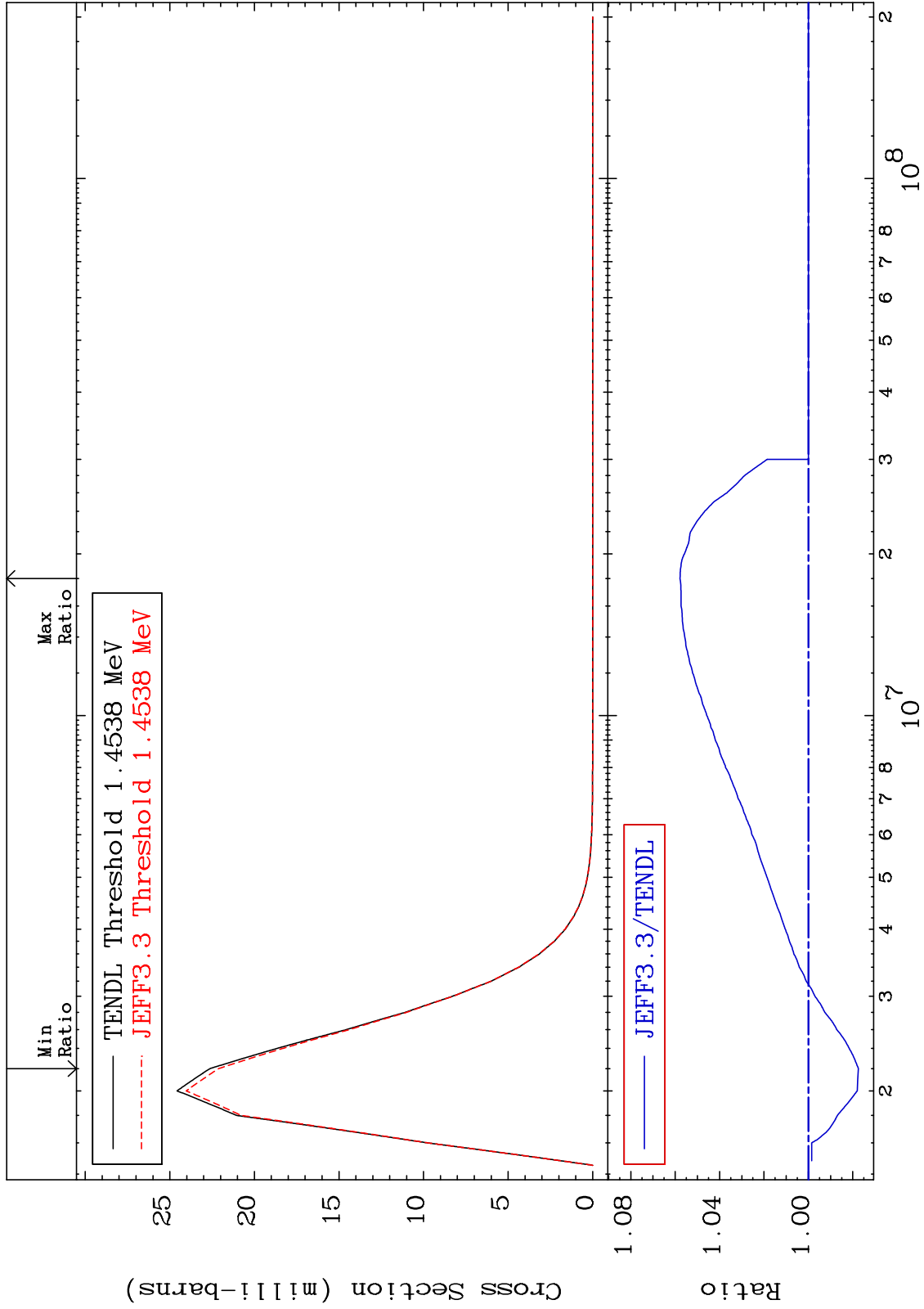
76-0s-190
-2.056 To 0.337 %



MAT 7643

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

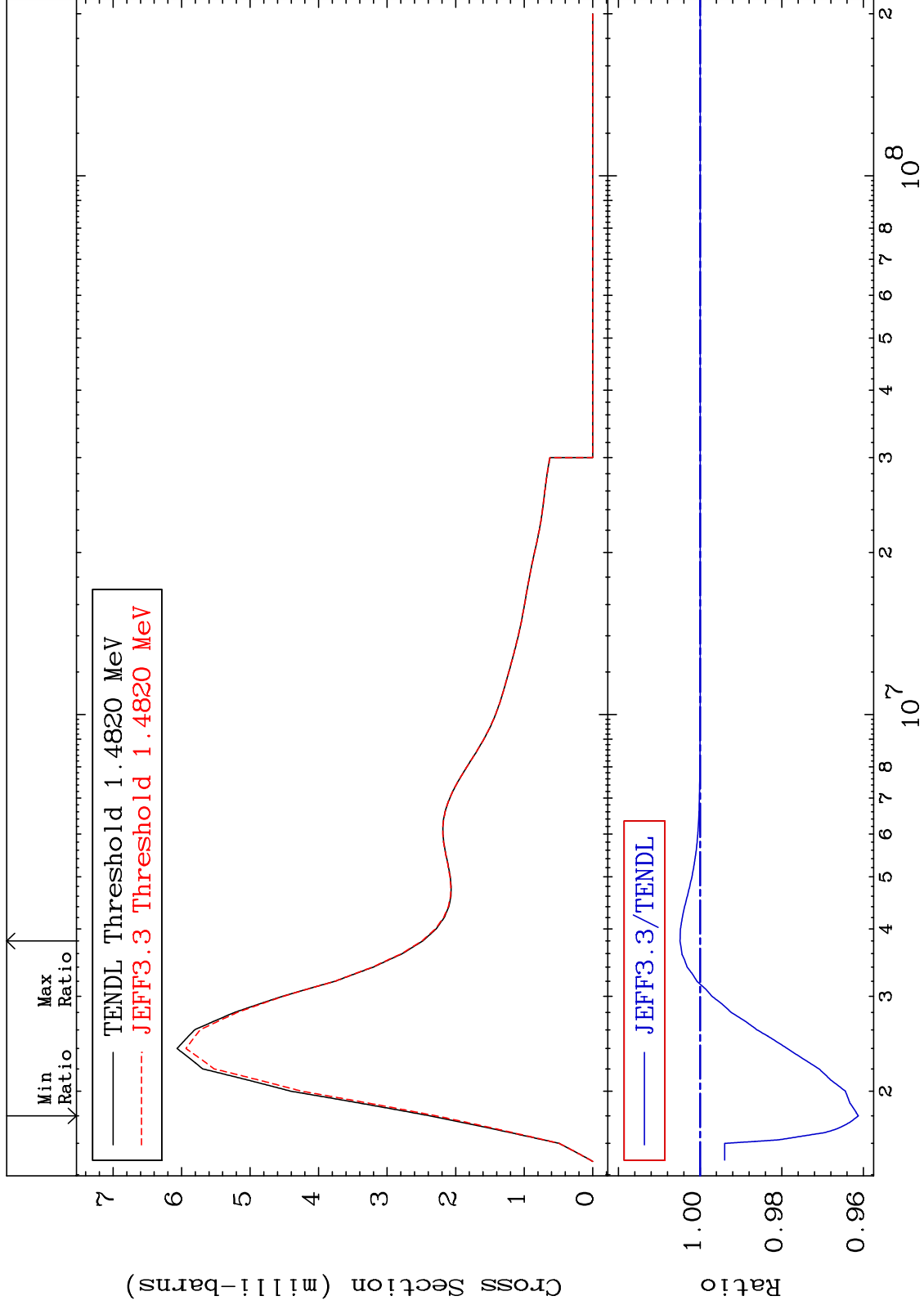
76-0s-190
-2.253 To 5.783 %



MAT 7643

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

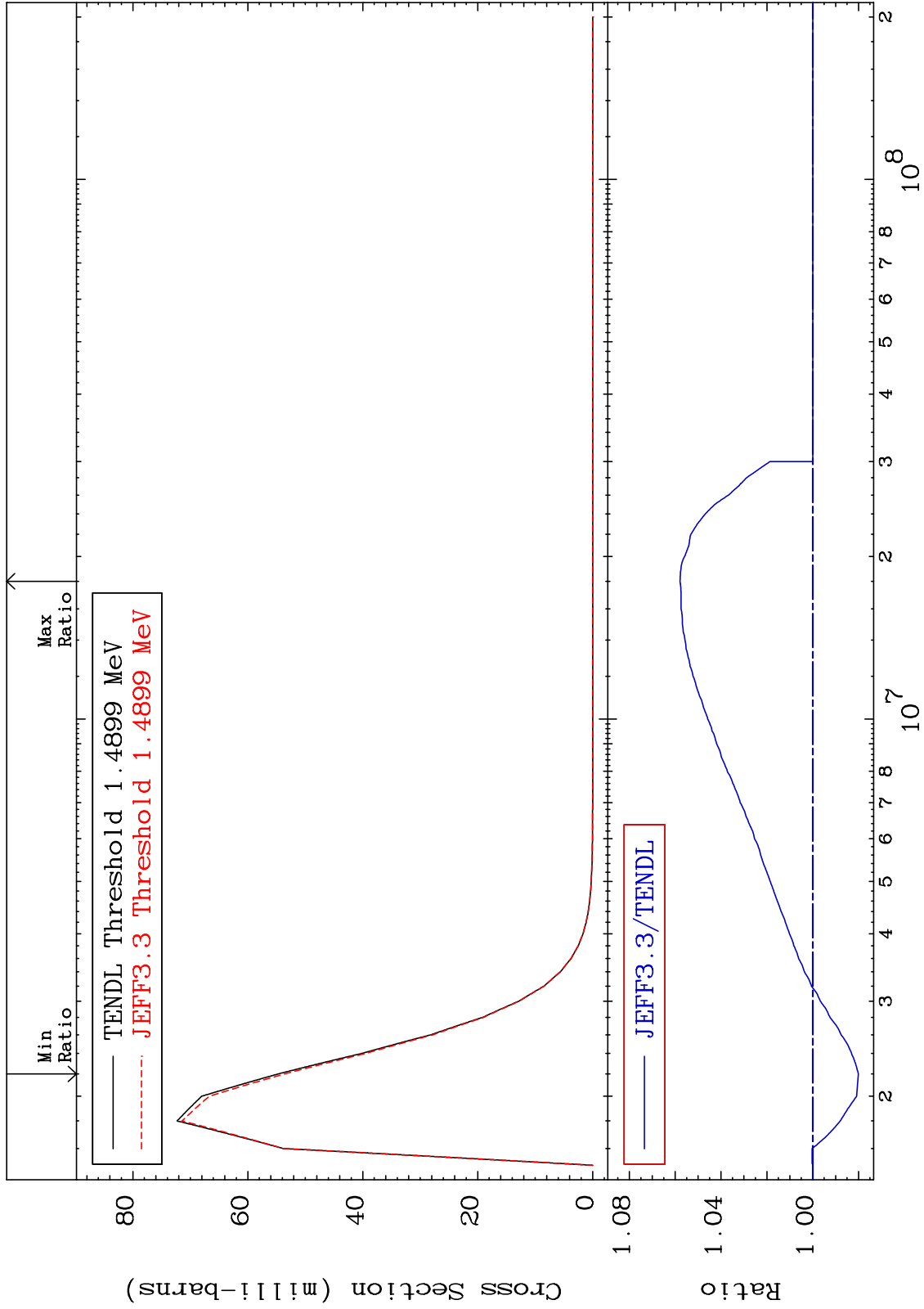
76-0s-190
-3.877 To 0.493 %



MAT 7643

MT= 68 (n,n') Level
Cross Section

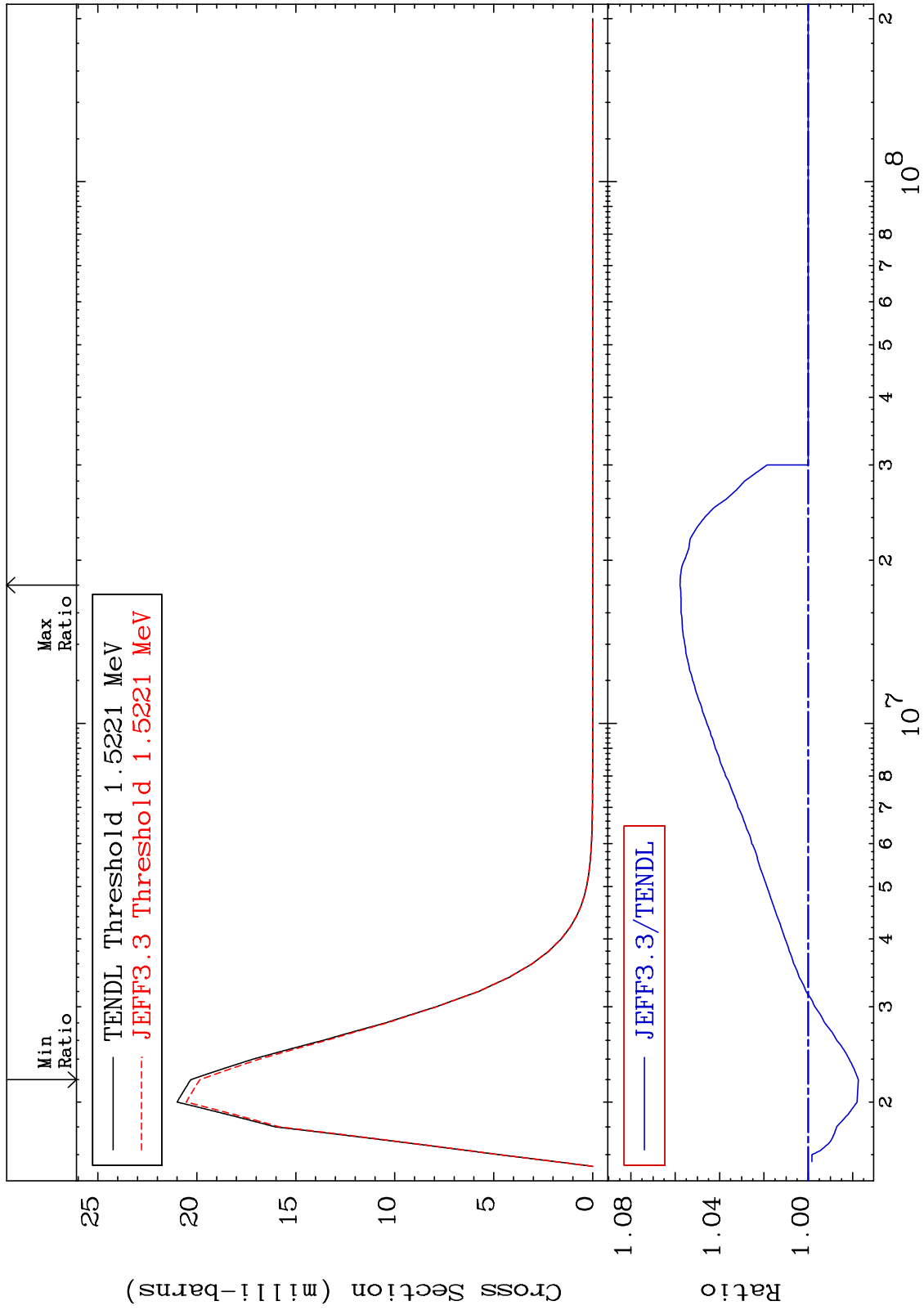
76-0s-190
-1.993 To 5.790 %



MAT 7643

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

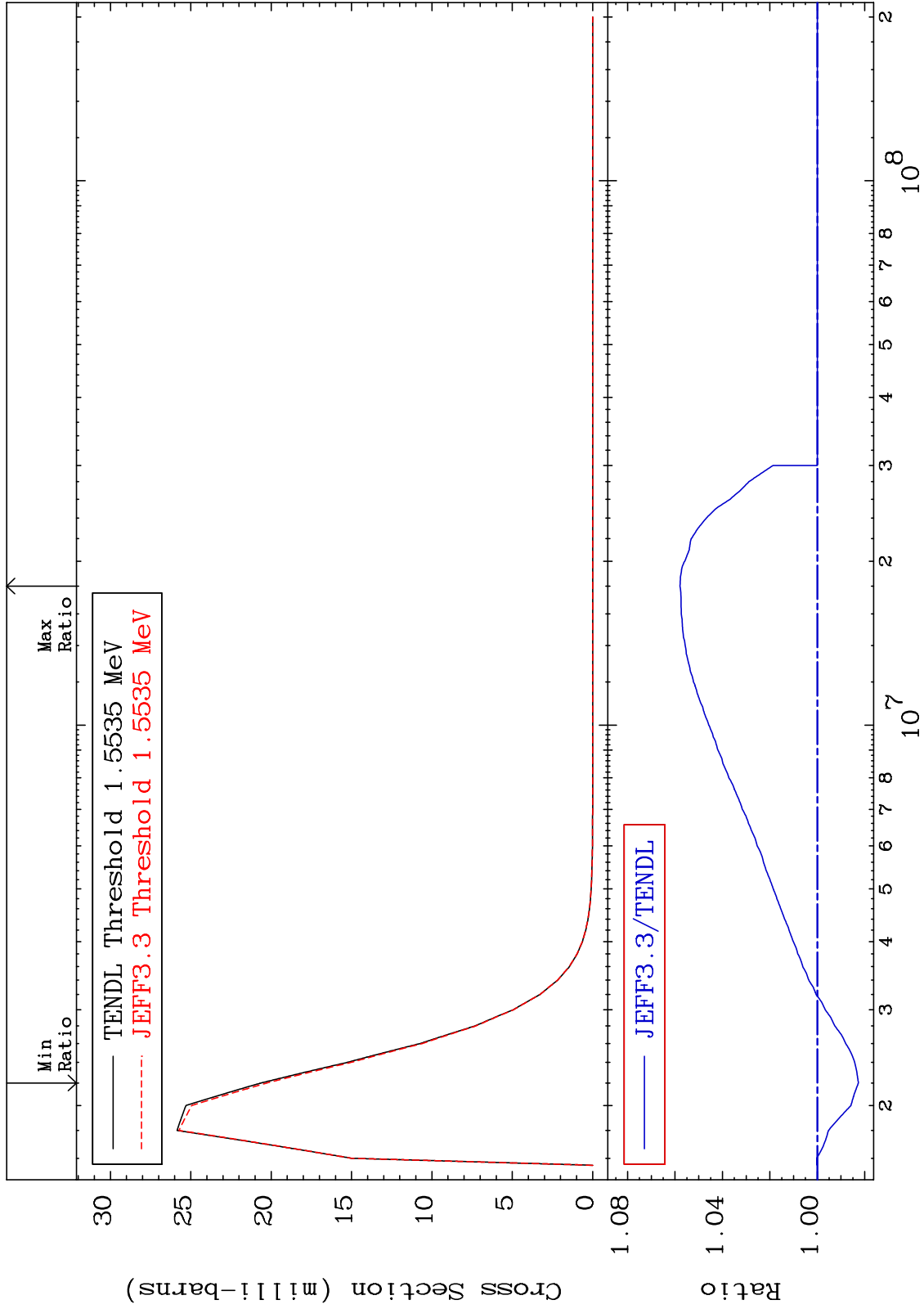
76-0s-190
-2.263 To 5.783 %



MAT 7643

MT= 70 (n,n') Level
Cross Section

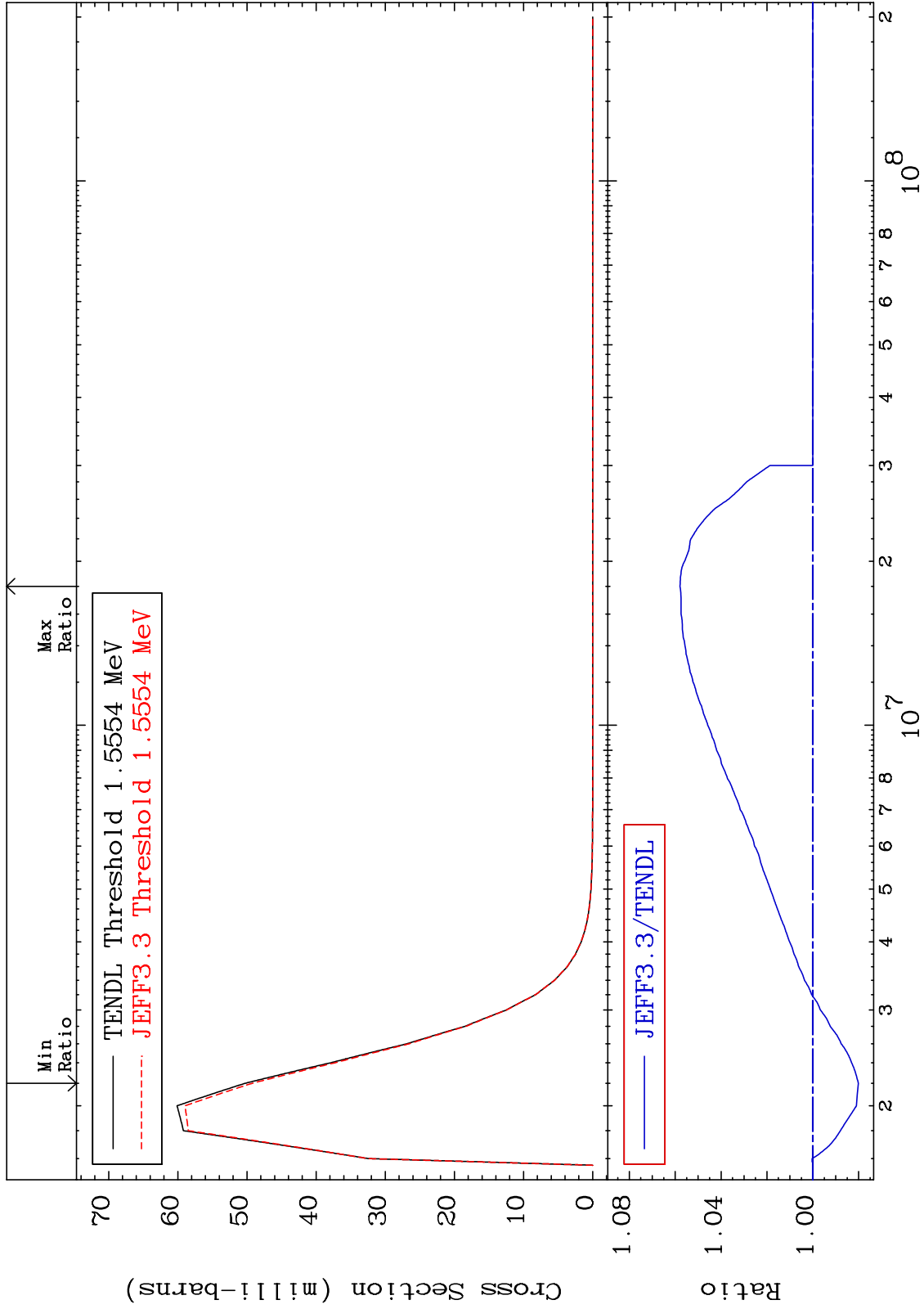
76-0s-190
-1.733 To 5.790 %



MAT 7643

MT= 71 (n,n') Level
Cross Section

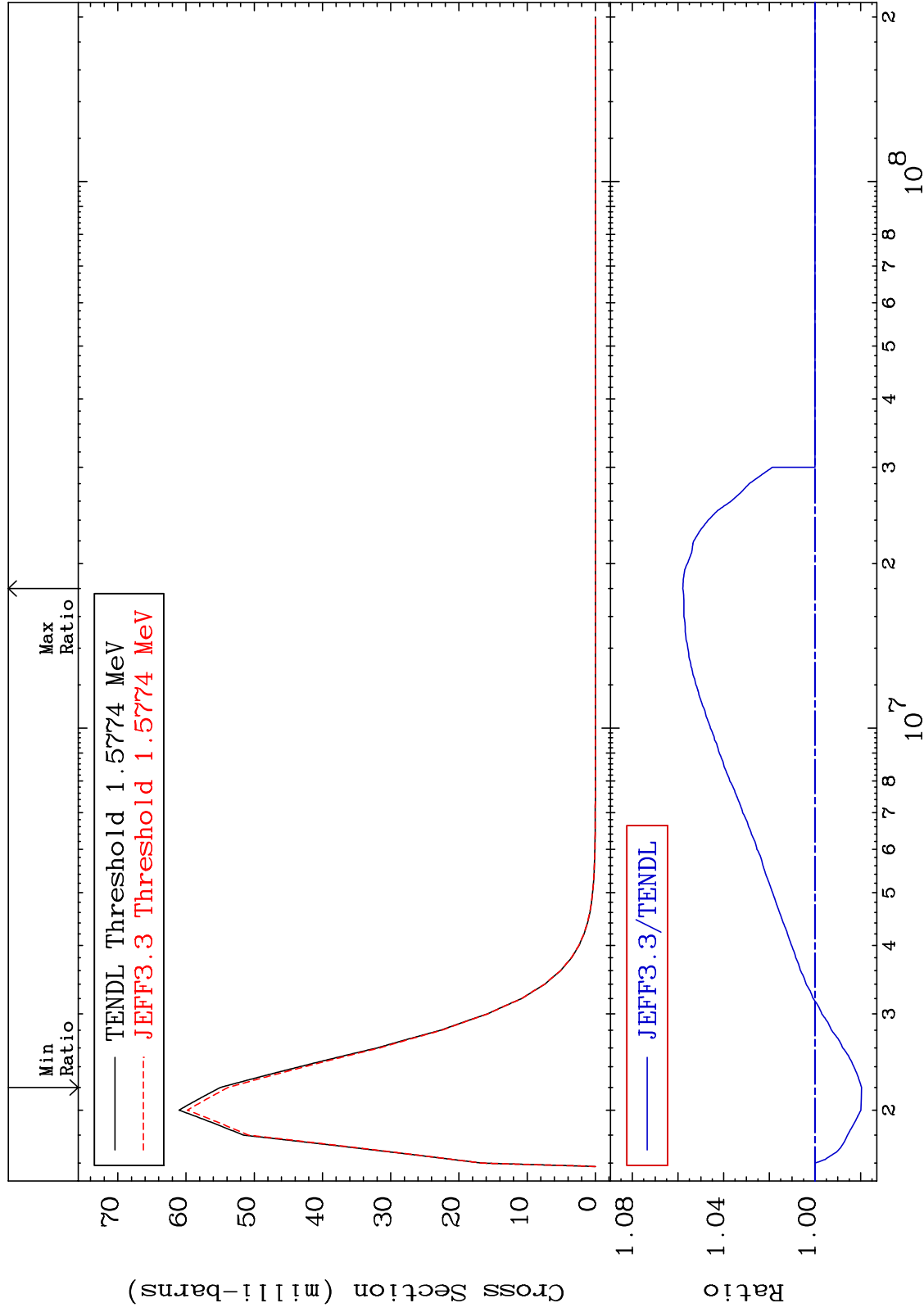
76-0s-190
-1.988 To 5.790 %



MAT 7643

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

76-0s-190
-2.043 To 5.788 %

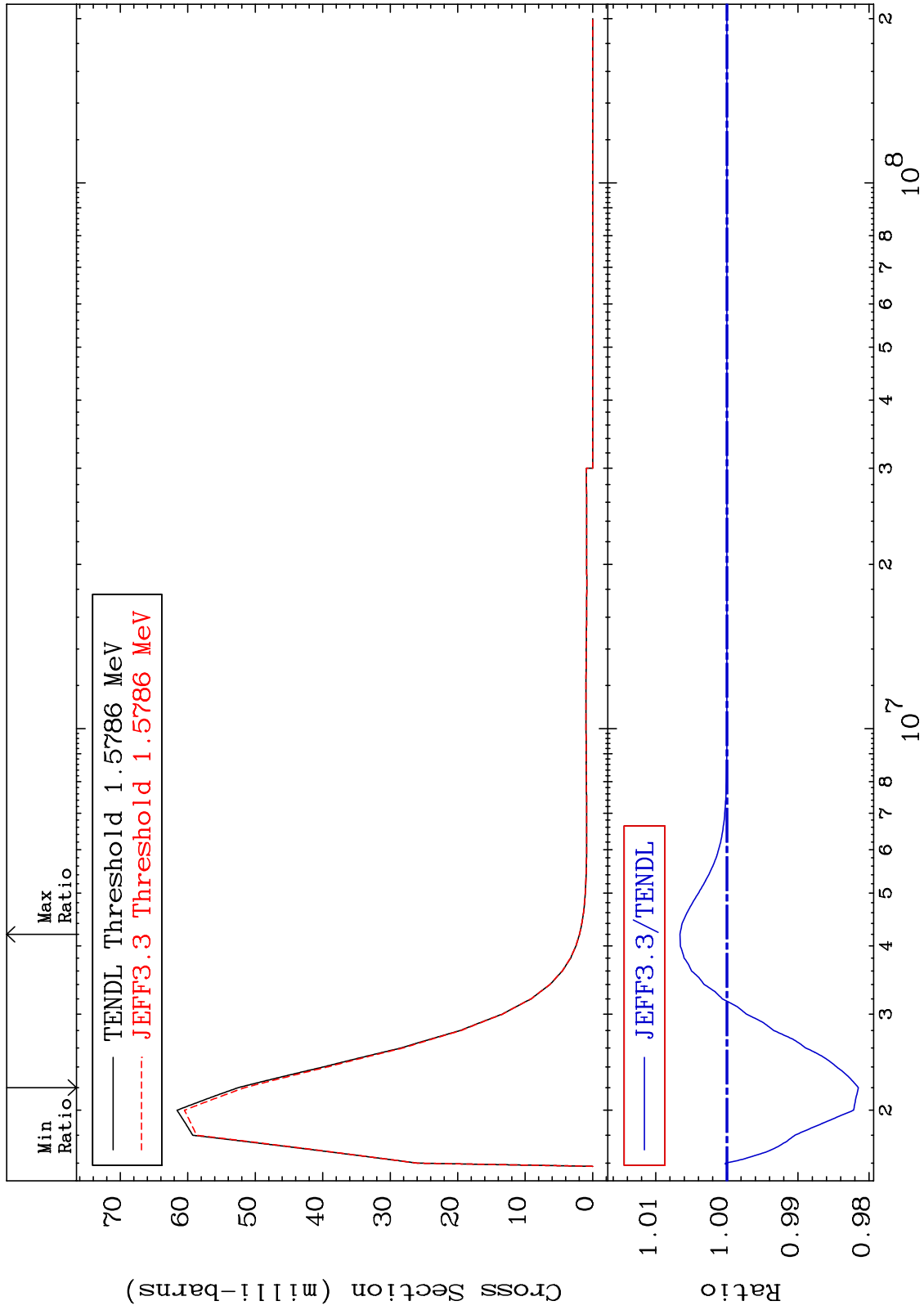


40

Incident Energy (eV)

76-0s-190

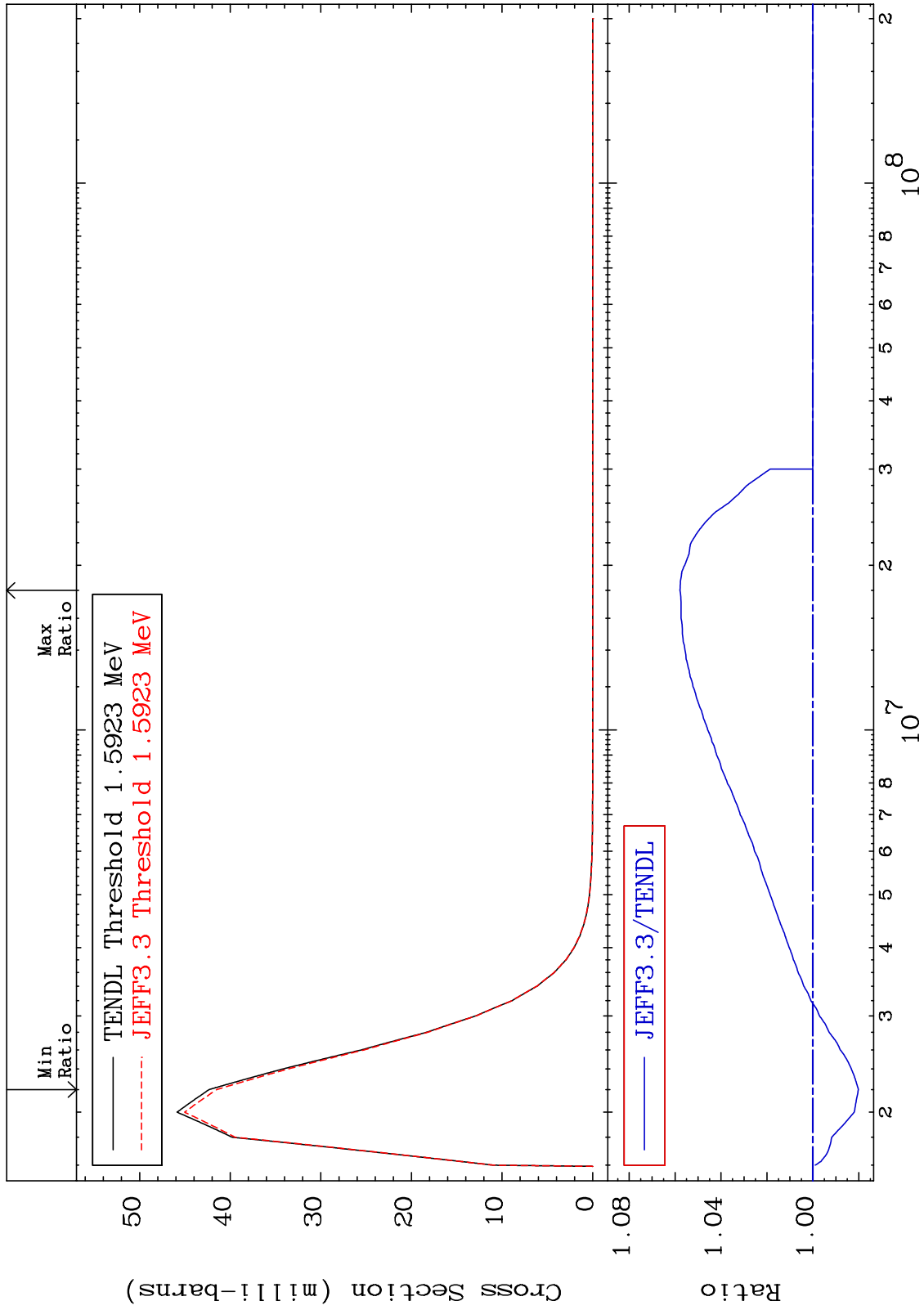
MAT 7643 MT= 73 (n,n') Level
 Cross Section 76-0s-190
 -1.849 To 0.659 %



MAT 7643

MT= 74 (n,n') Level
Cross Section

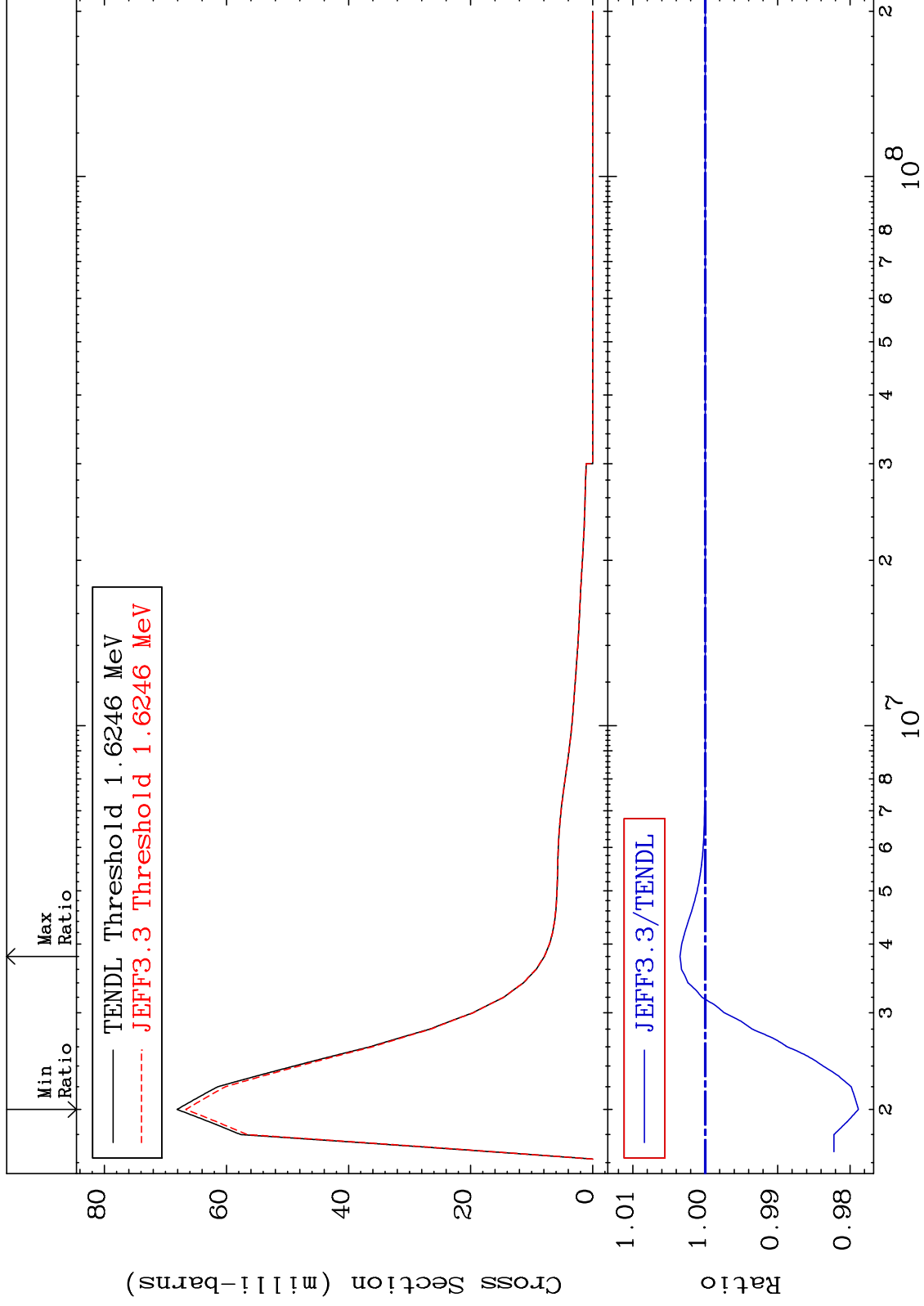
76-0s-190
-1.983 To 5.786 %



MAT 7643

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

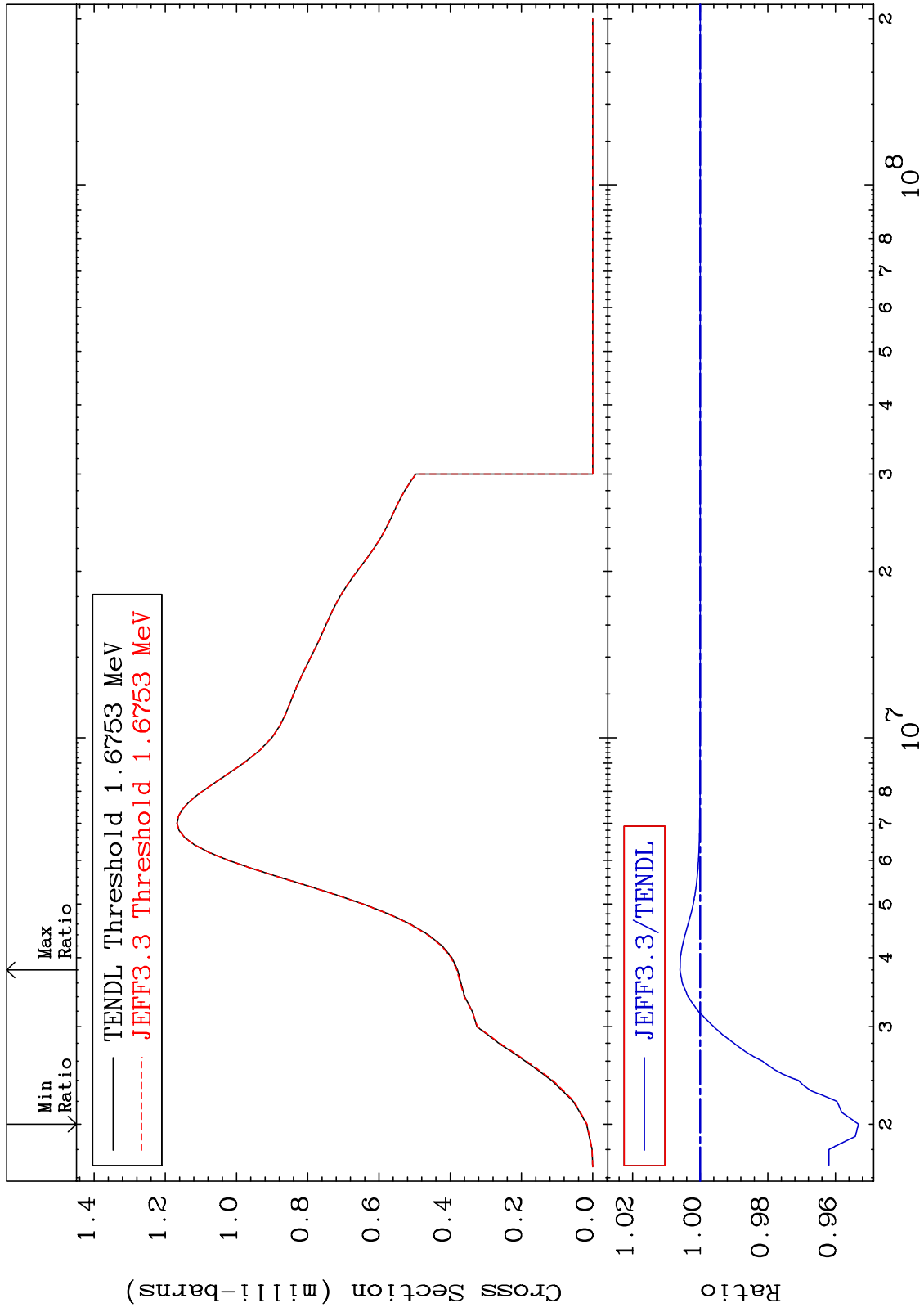
76-0s-190
-2.116 To 0.348 %



MAT 7643

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

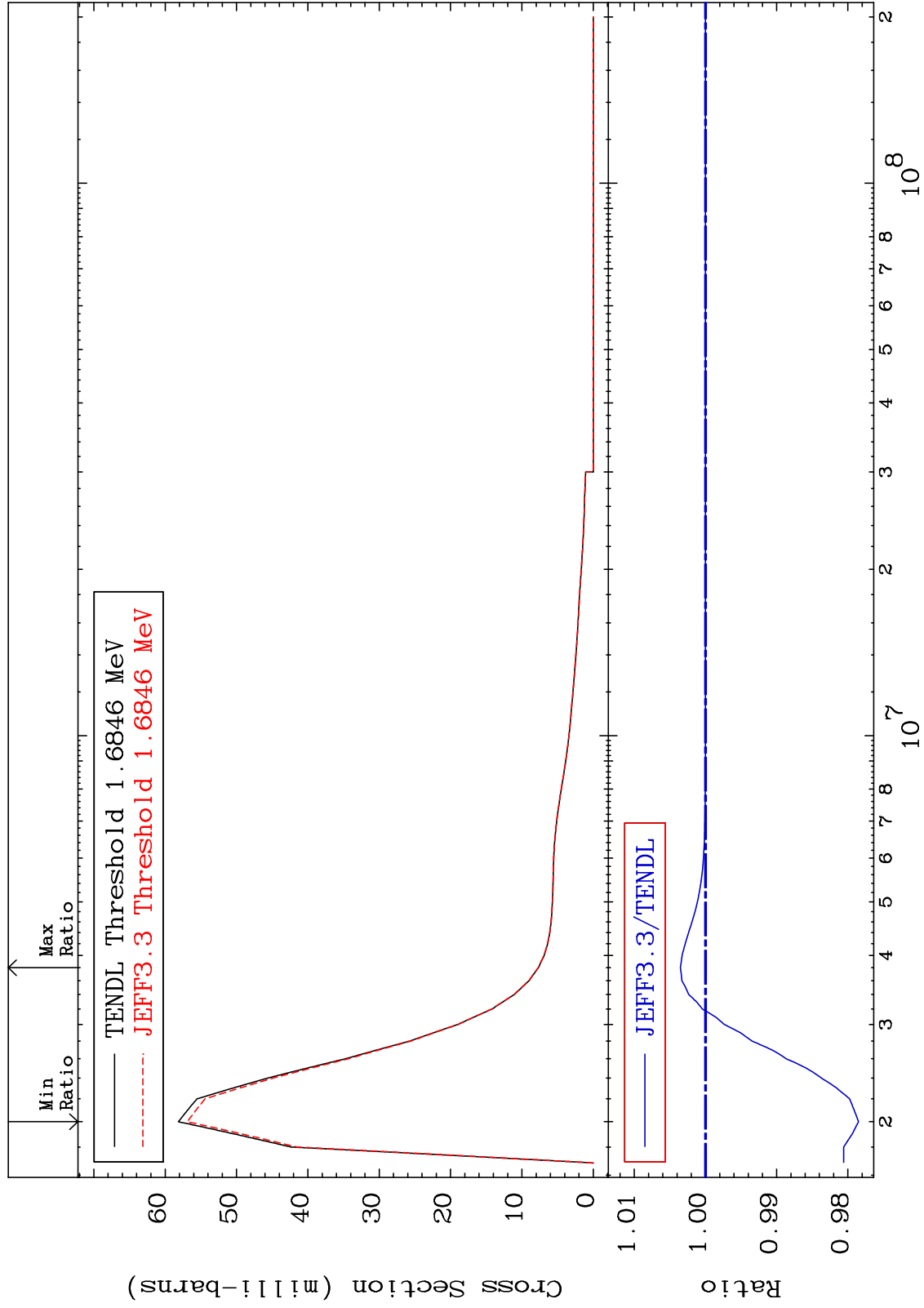
76-0s-190
-4.682 To 0.596 %



MAT 7643

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

76-0s-190
-2.150 To 0.352 %



45

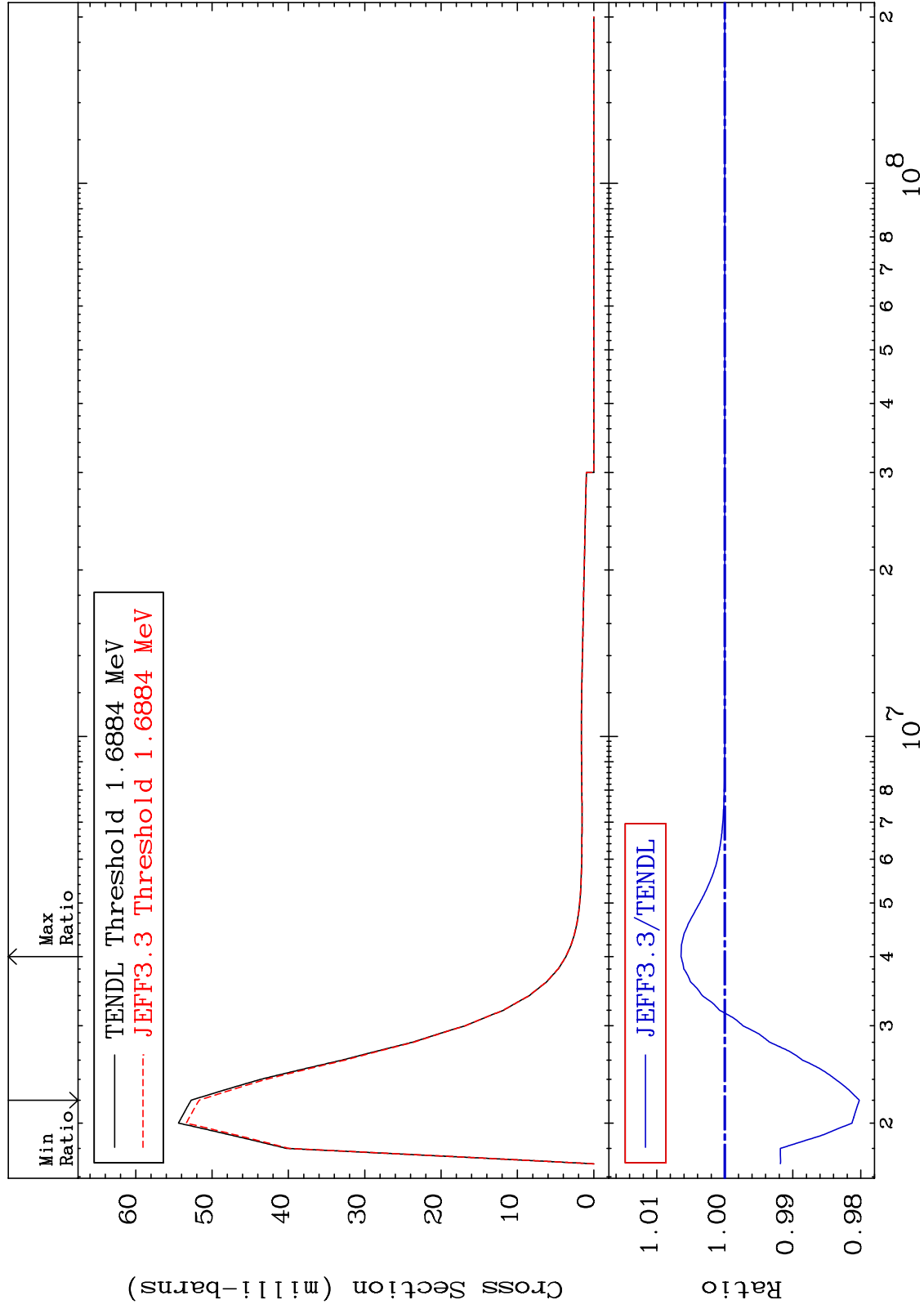
Incident Energy (eV)

76-0s-190

MAT 7643

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

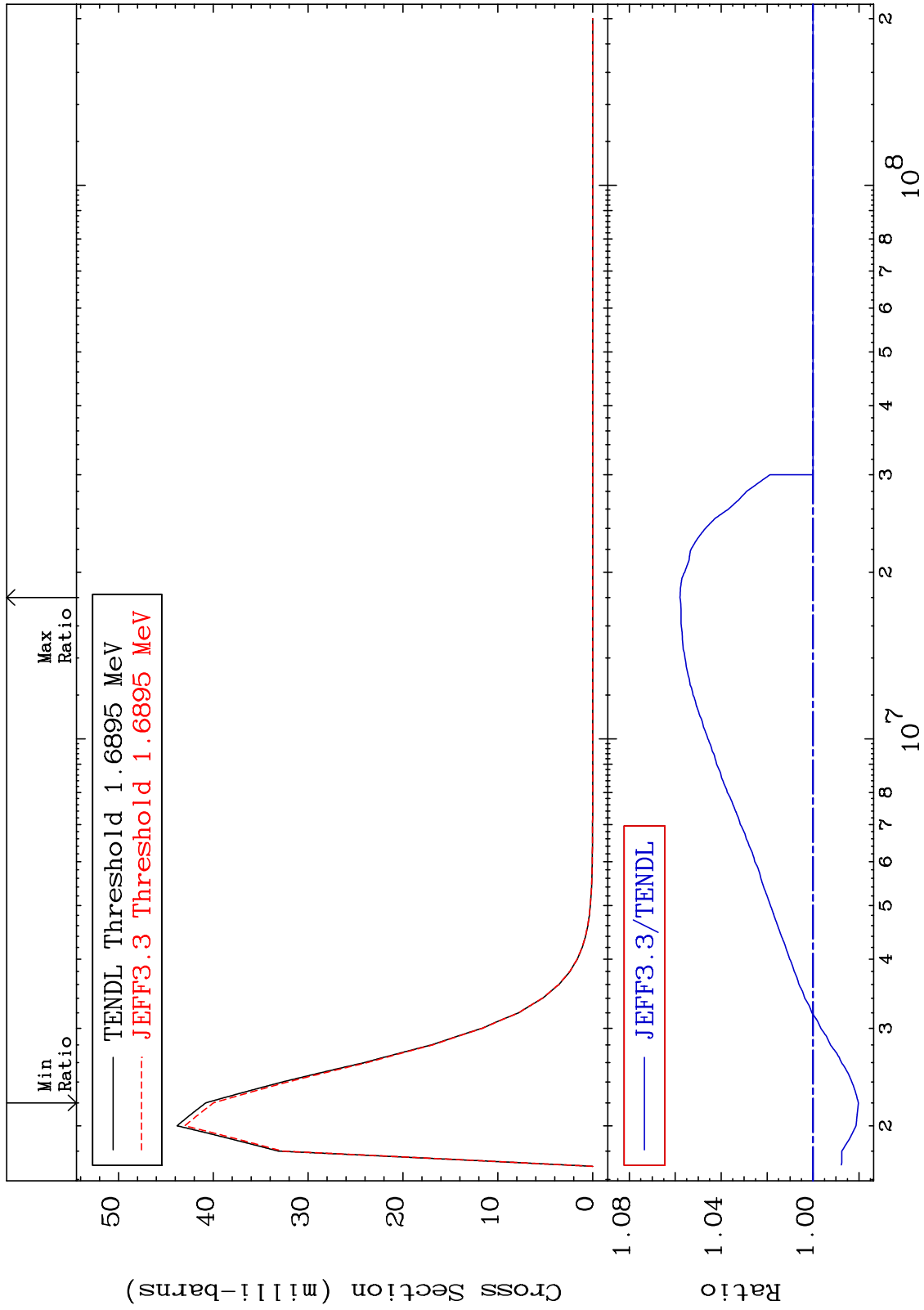
76-0s-190
-1.977 To 0.643 %



MAT 7643

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

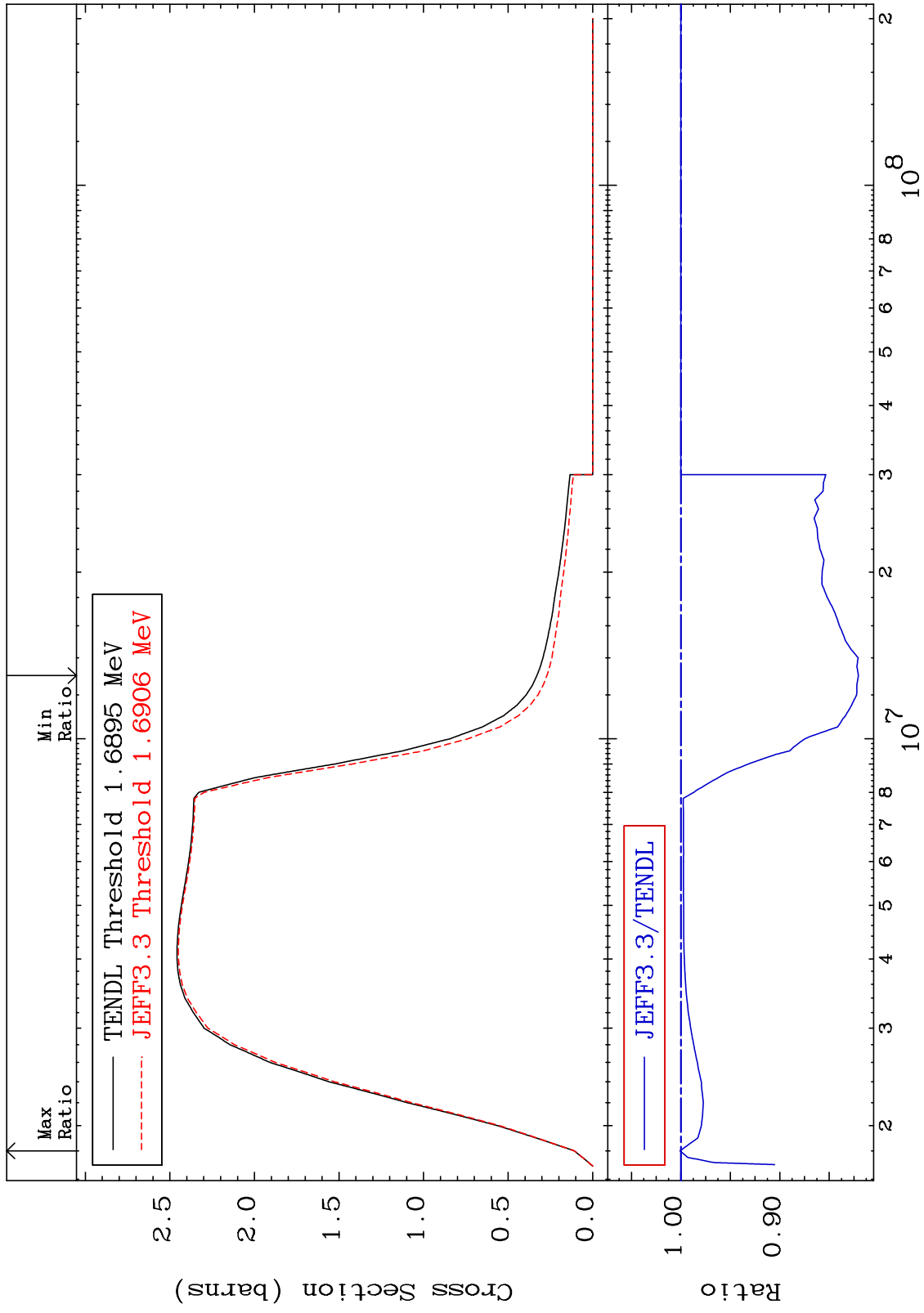
76-0s-190
-1.976 To 5.791 %



MAT 7643

(n, n') Continuum
Cross Section

76-0s-190
-17.95 To 0.091 %



48

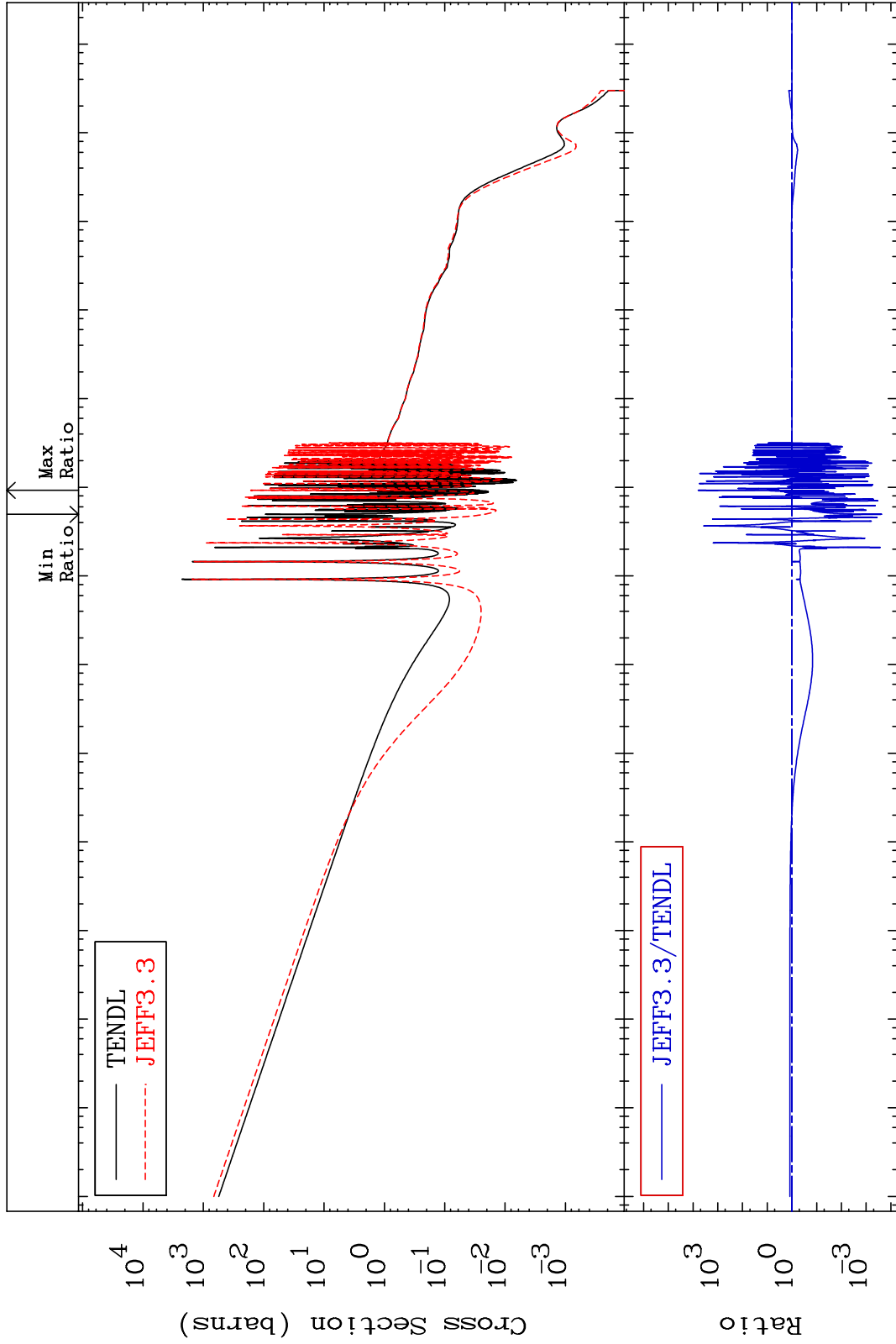
Incident Energy (eV)

76-0s-190

MAT 7643

(n, γ)
Cross Section

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



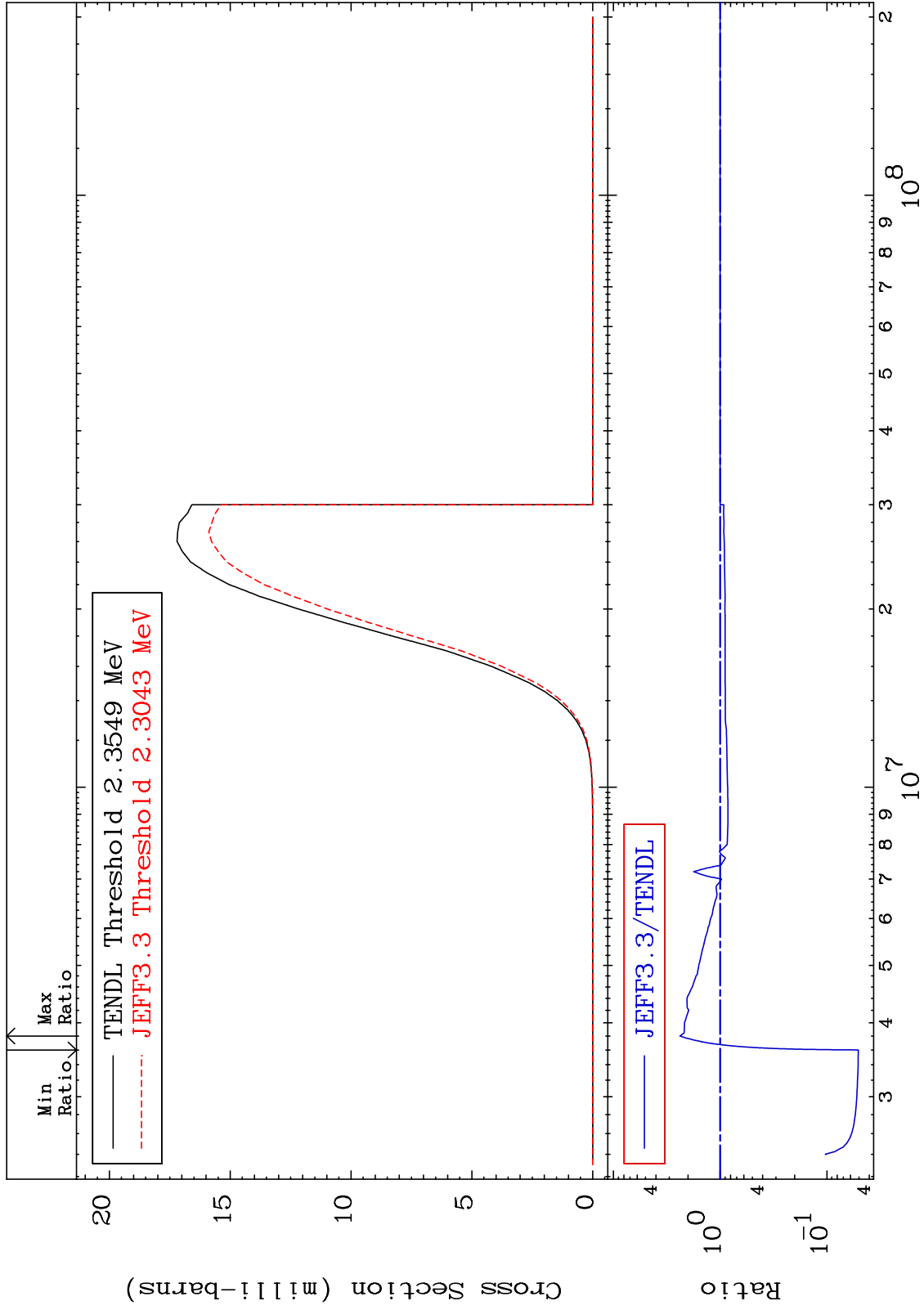
MAT 7643

(n, p)

76-0s-190

Cross Section

-94.94 To 137.9 %



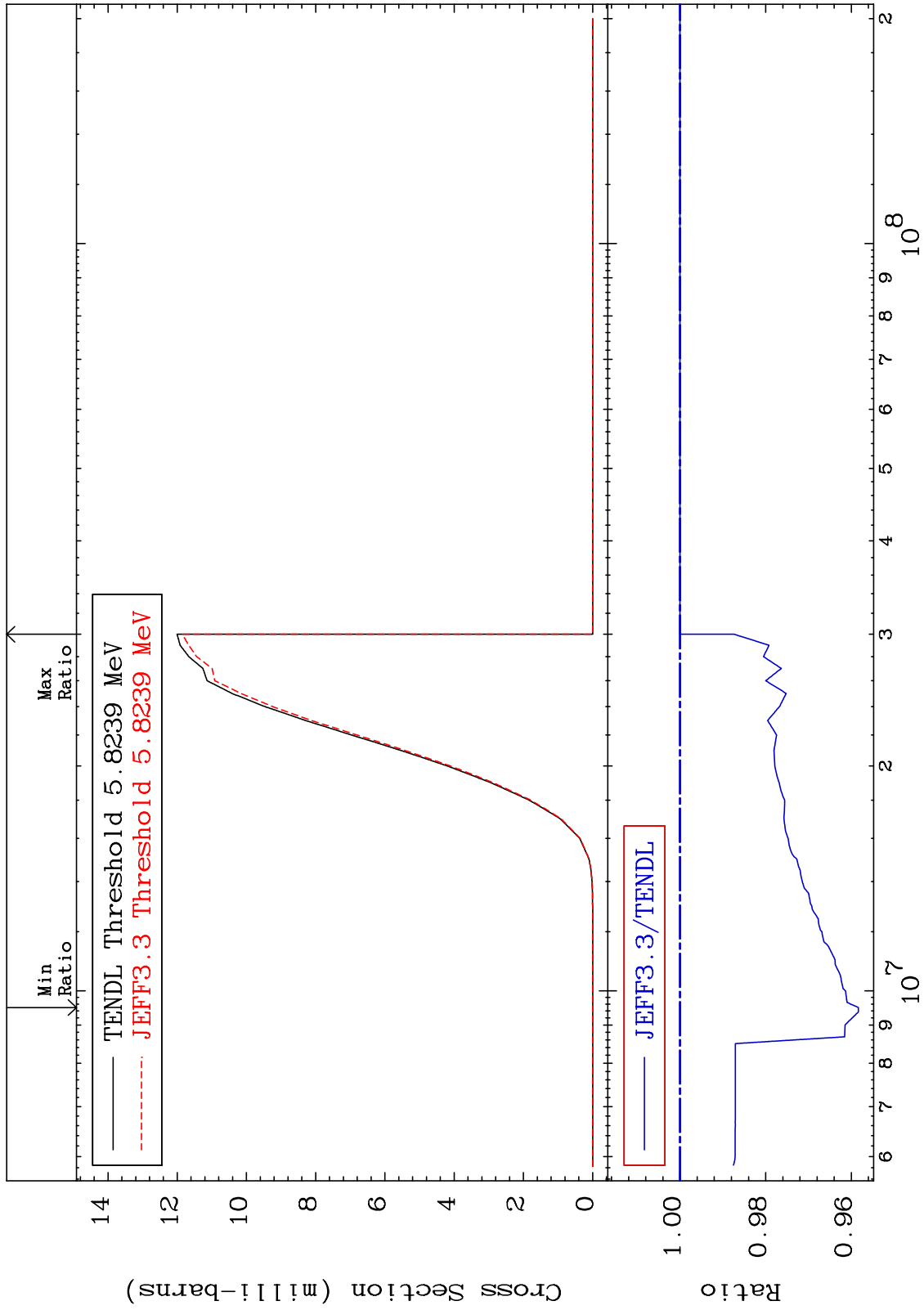
MAT 7643

(n, d)

76-0s-190

Cross Section

-4.165 To 0.000 %



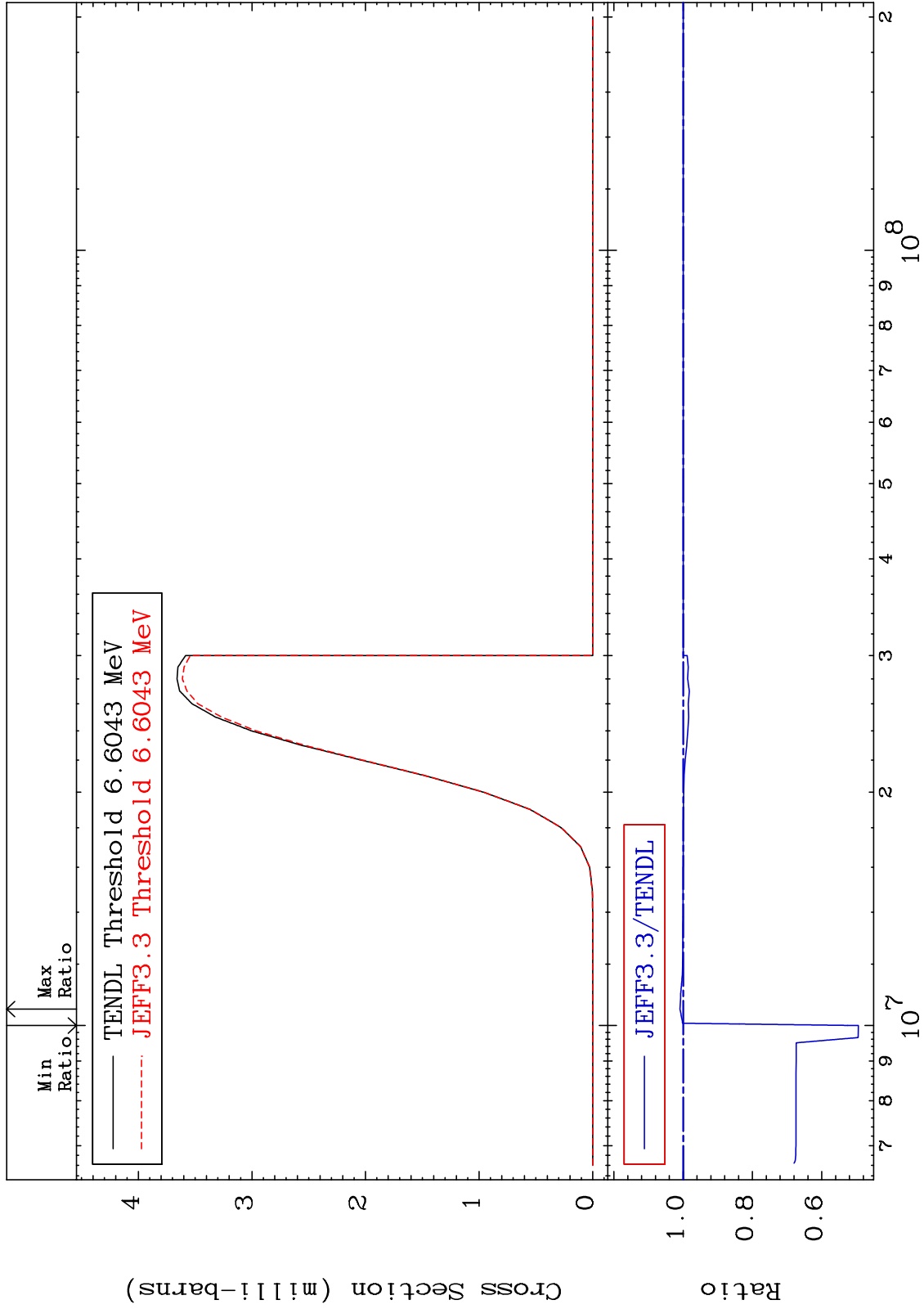
MAT 7643

(n, t)

76-0s-190

Cross Section

-50.59 To 0.920 %



52

Incident Energy (eV)

76-0s-190

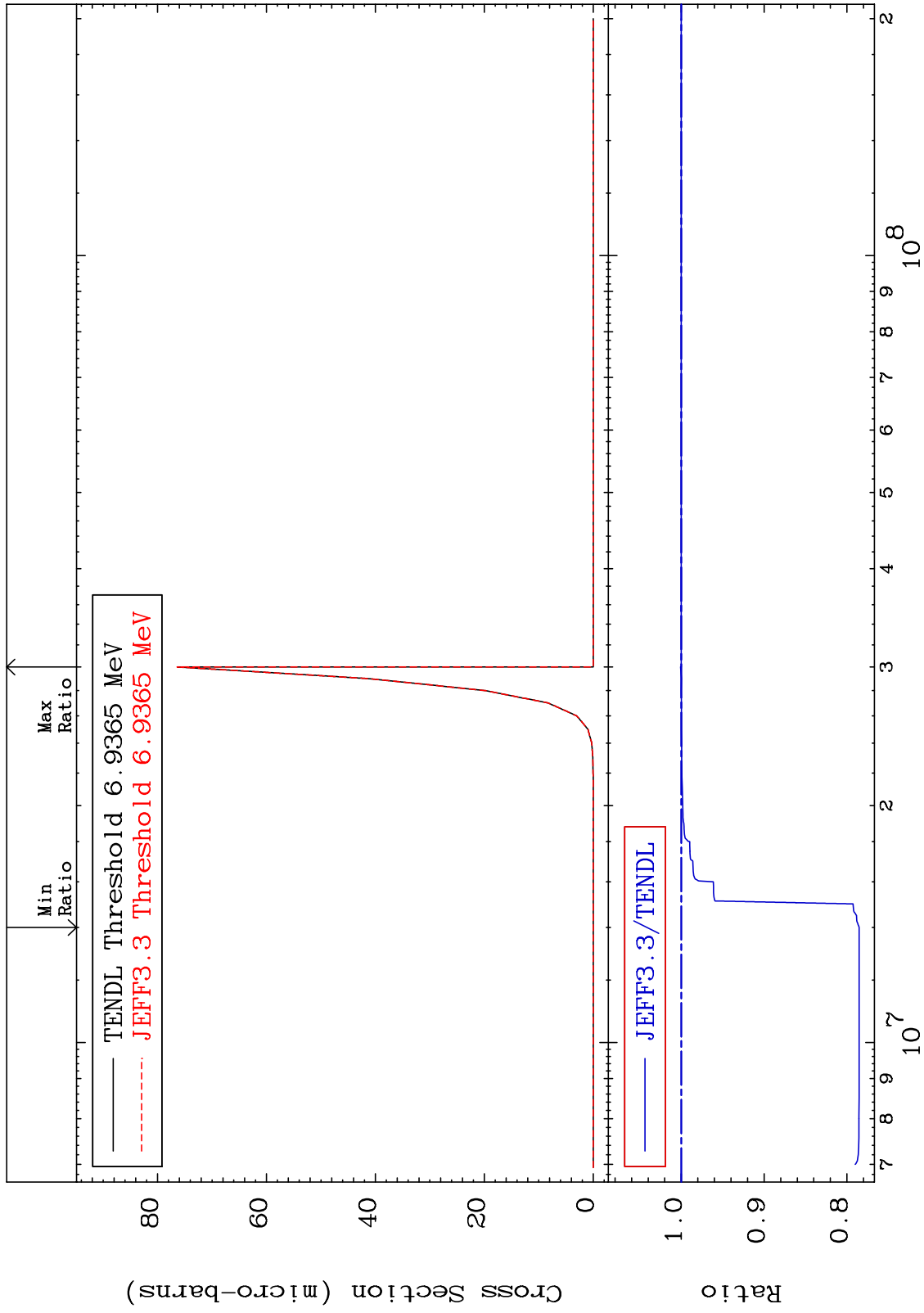
MAT 7643

(n, He-3)

76-0s-190

Cross Section

-21.48 To 0.080 %



53

Incident Energy (eV)

76-0s-190

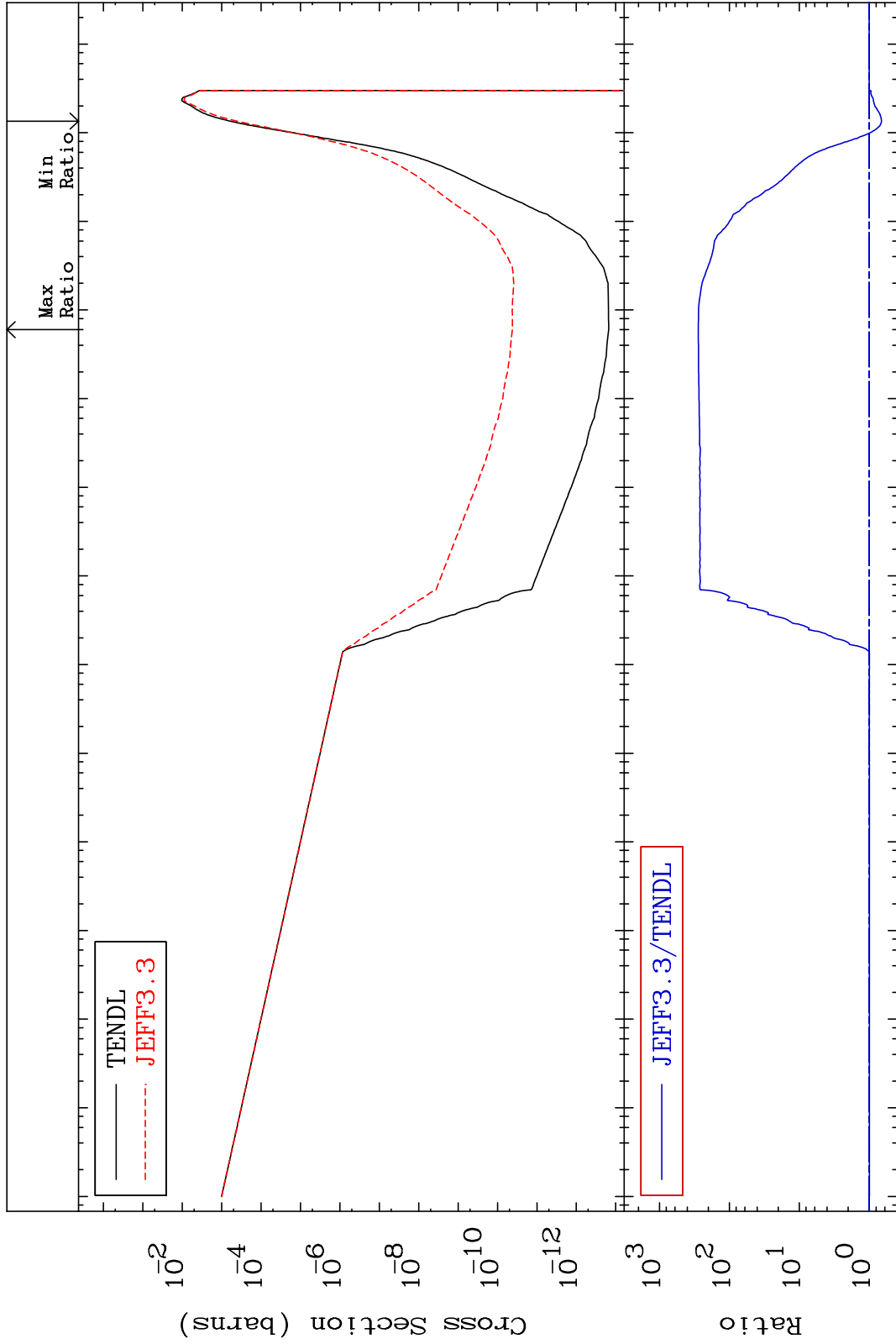
MAT 7643

(n, α)

76-0s-190

Cross Section

-33.24 To 9999. %



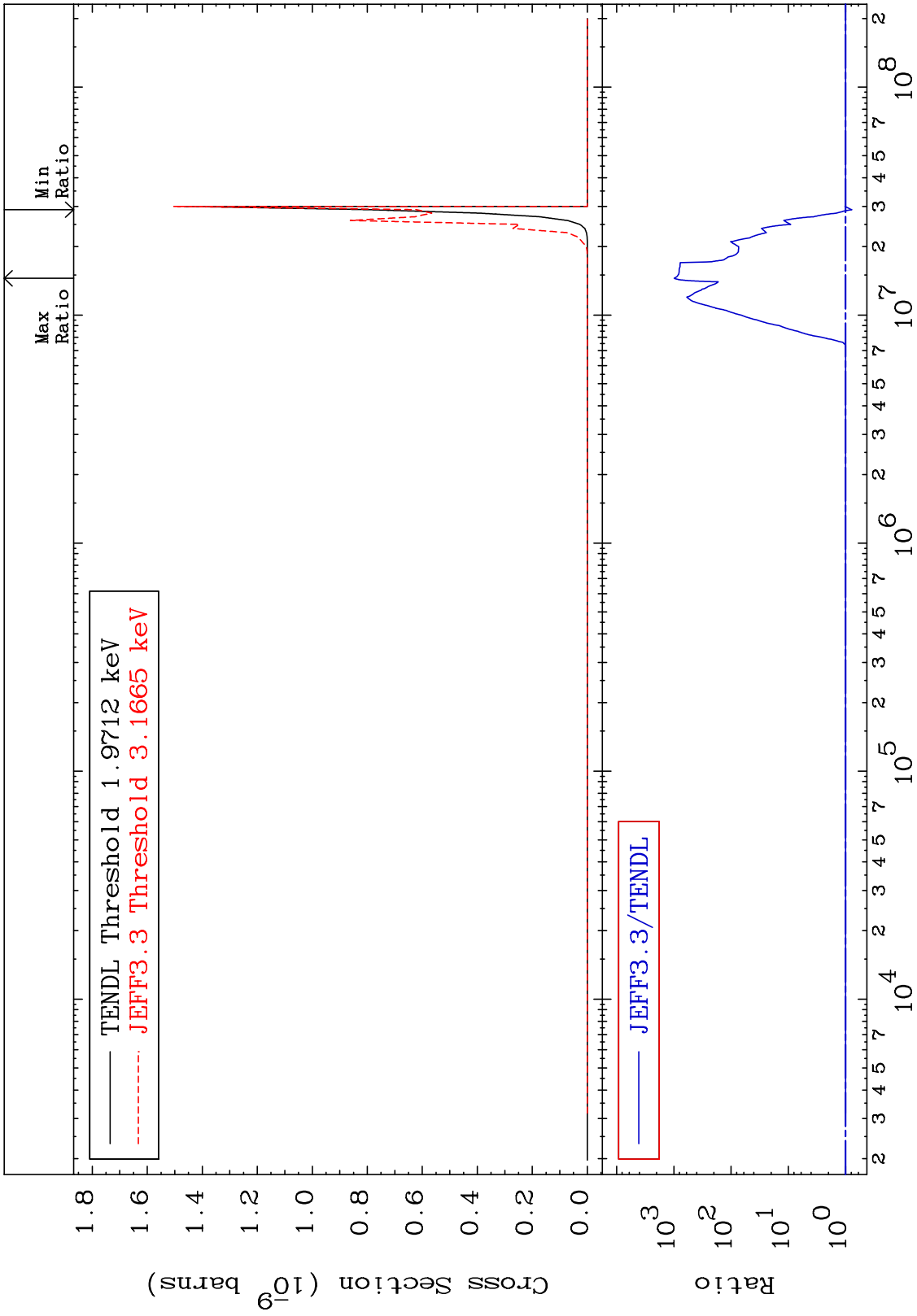
MAT 7643

(n, 2α)

76-0s-190

Cross Section

-21.82 To 9999. %



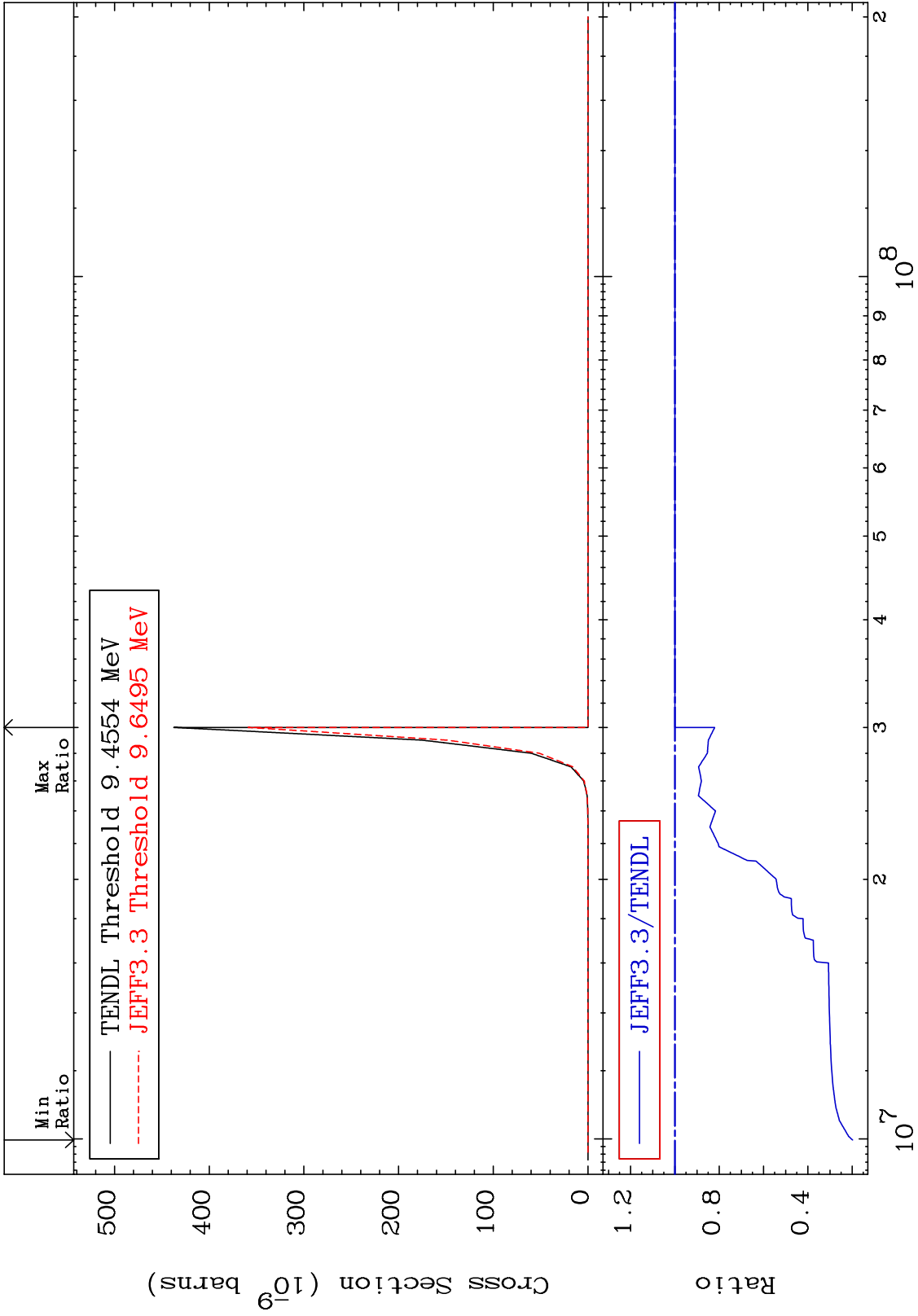
MAT 7643

(n,2p)

76-0s-190

Cross Section

-80.24 To 0.000 %



56

Incident Energy (eV)

76-0s-190

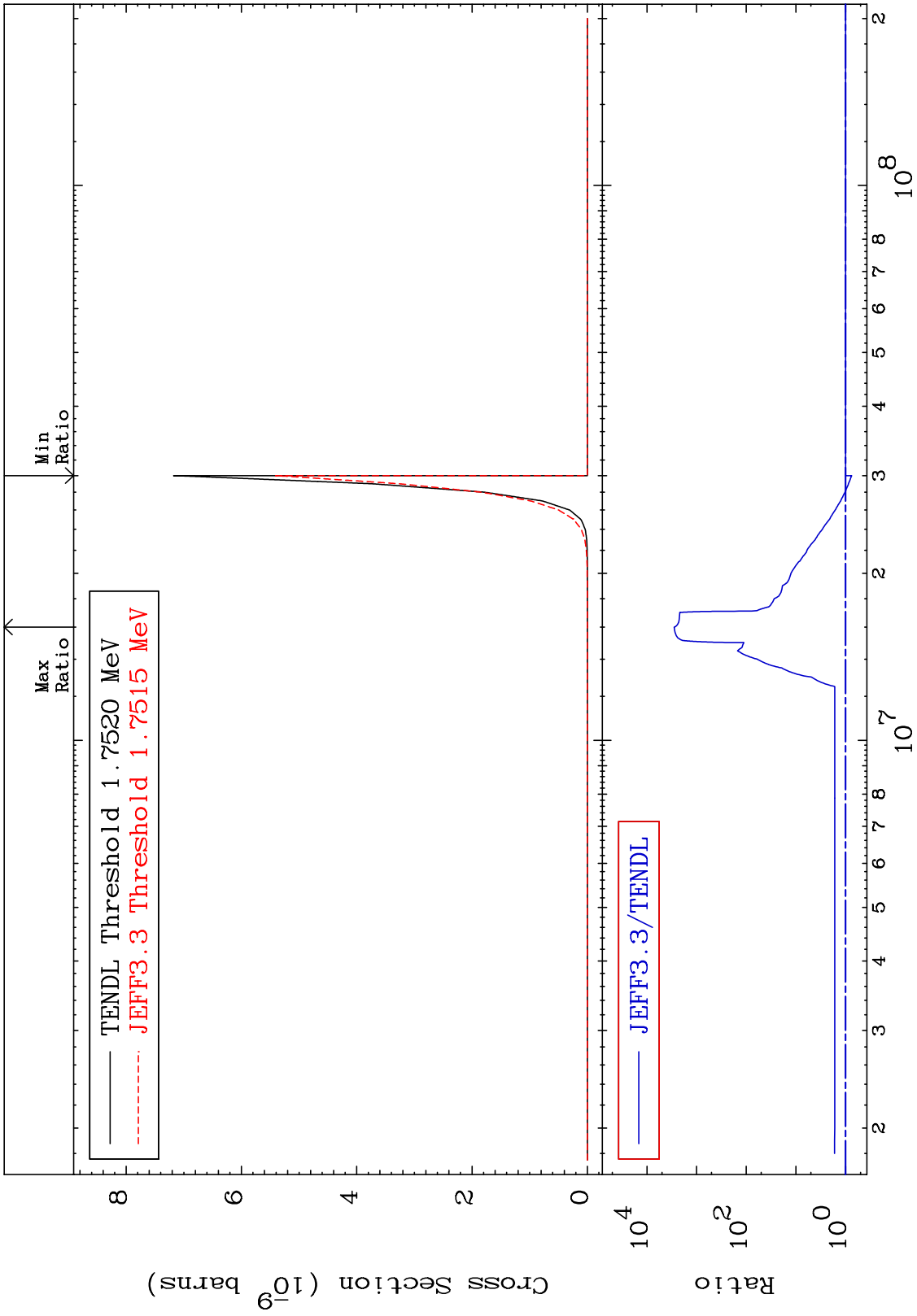
MAT 7643

(n,p) α

76-0s-190

-24.68 To 9999. %

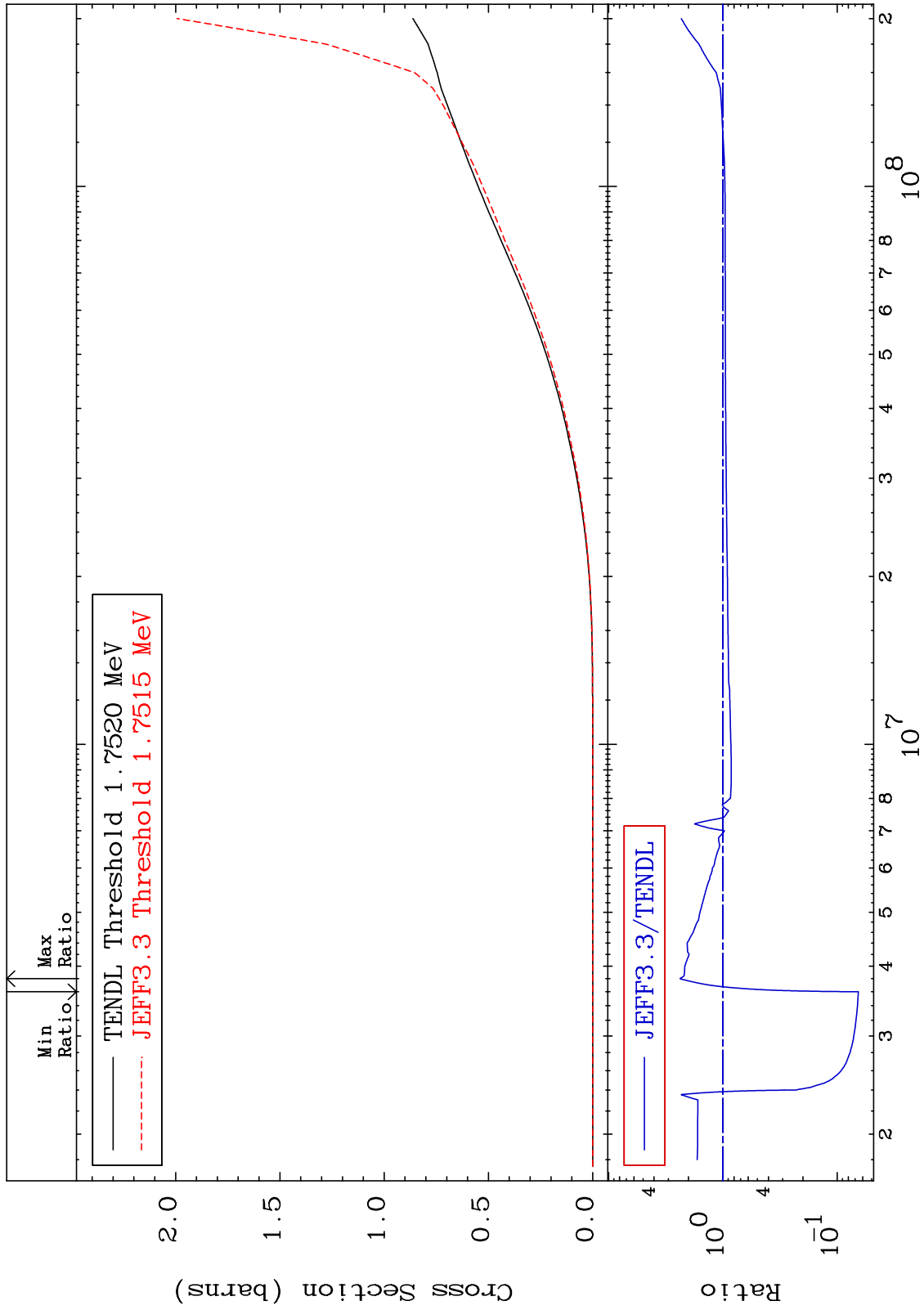
Cross Section



MAT 7643

Hydrogen Production
Cross Section

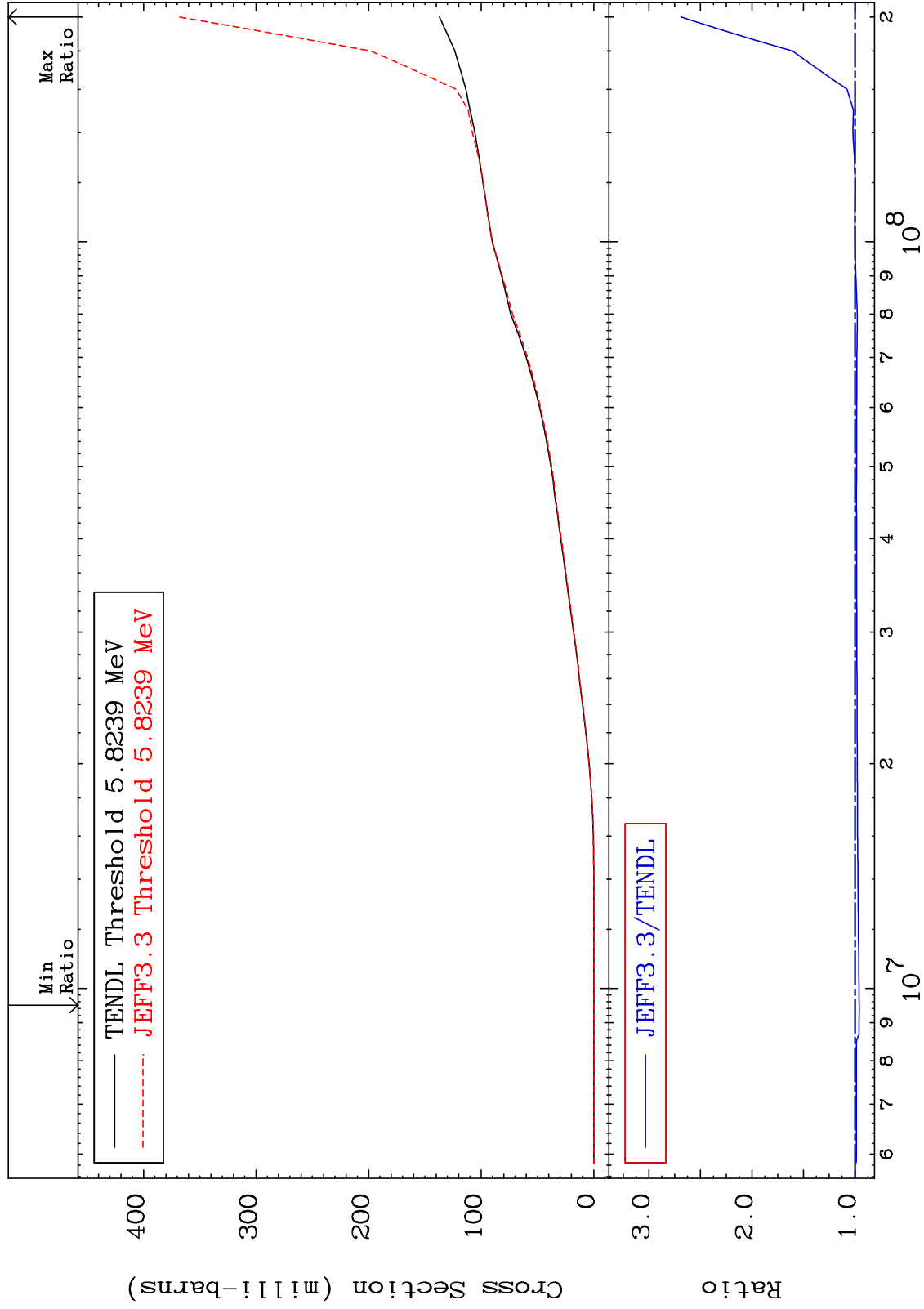
76-0s-190
-93.46 To 137.3 %



MAT 7643

Deuterium Production
Cross Section

76-0s-190
-4.165 To 168.9 %



59

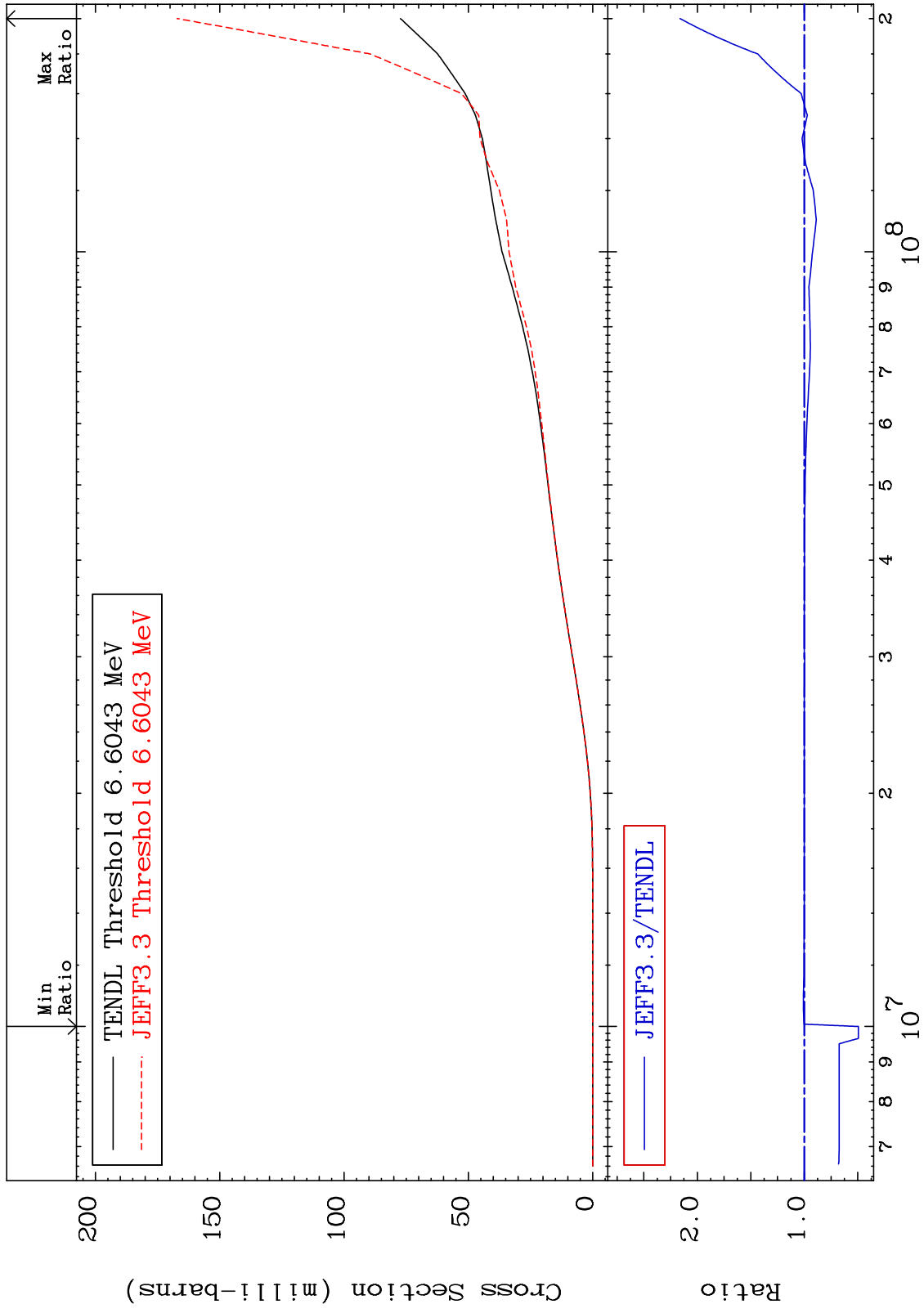
Incident Energy (eV)

76-0s-190

MAT 7643

Tritium Production
Cross Section

76-0s-190
-50.59 To 116.1 %



60

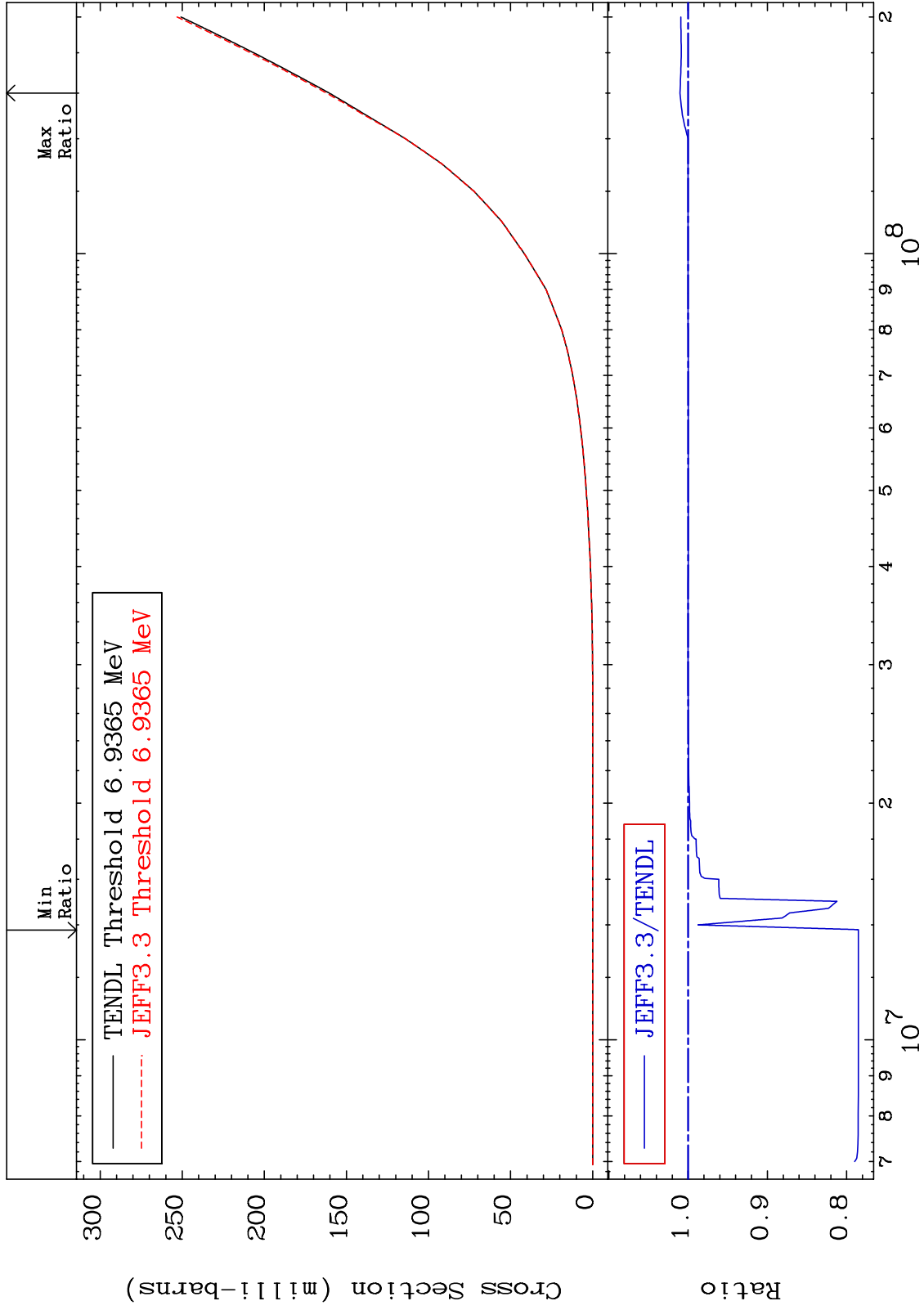
Incident Energy (eV)

76-0s-190

MAT 7643

He-3 Production
Cross Section

76-0s-190
-21.48 To 1.017 %



61

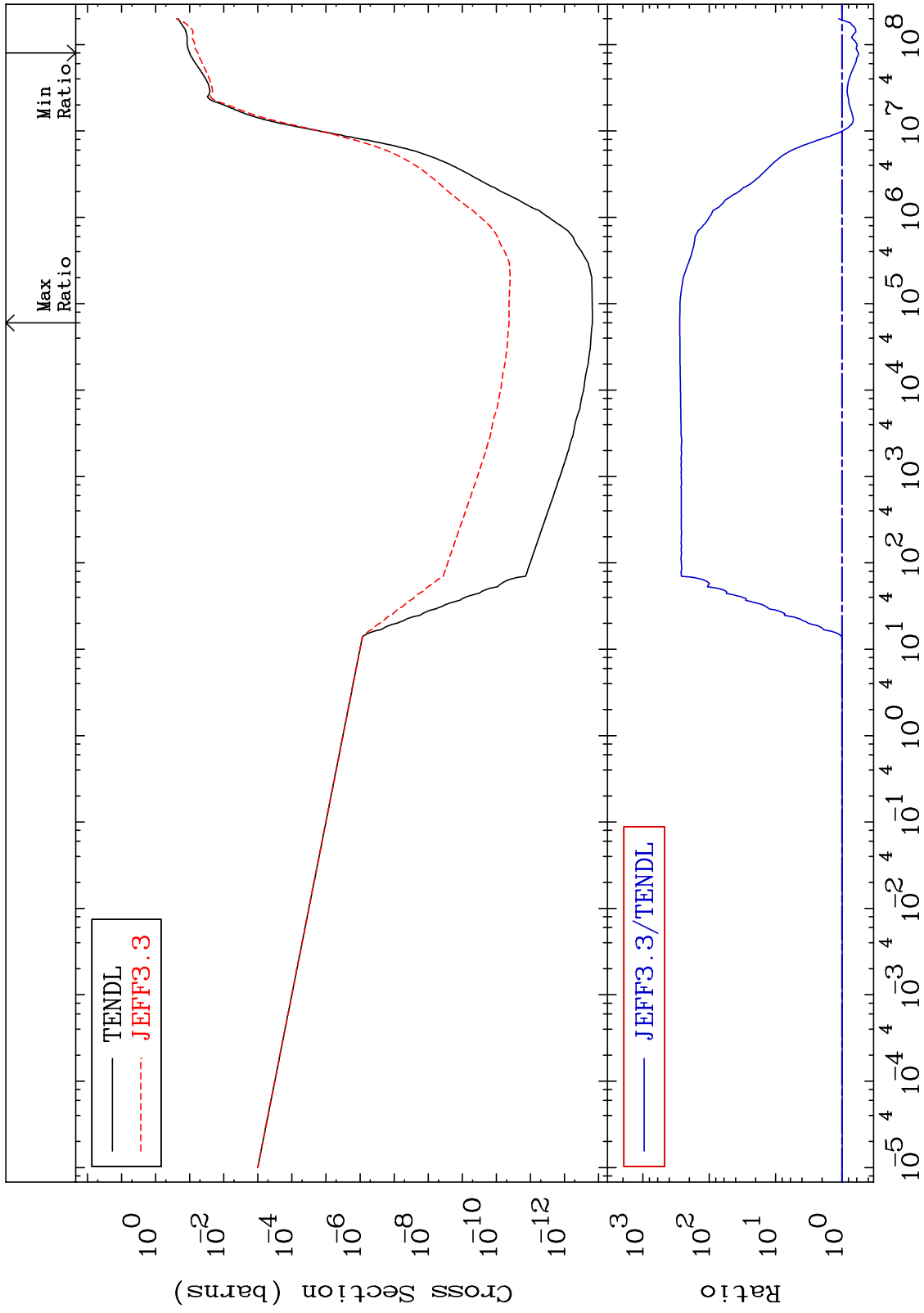
Incident Energy (eV)

76-0s-190

MAT 7643

He-4 Production
Cross Section

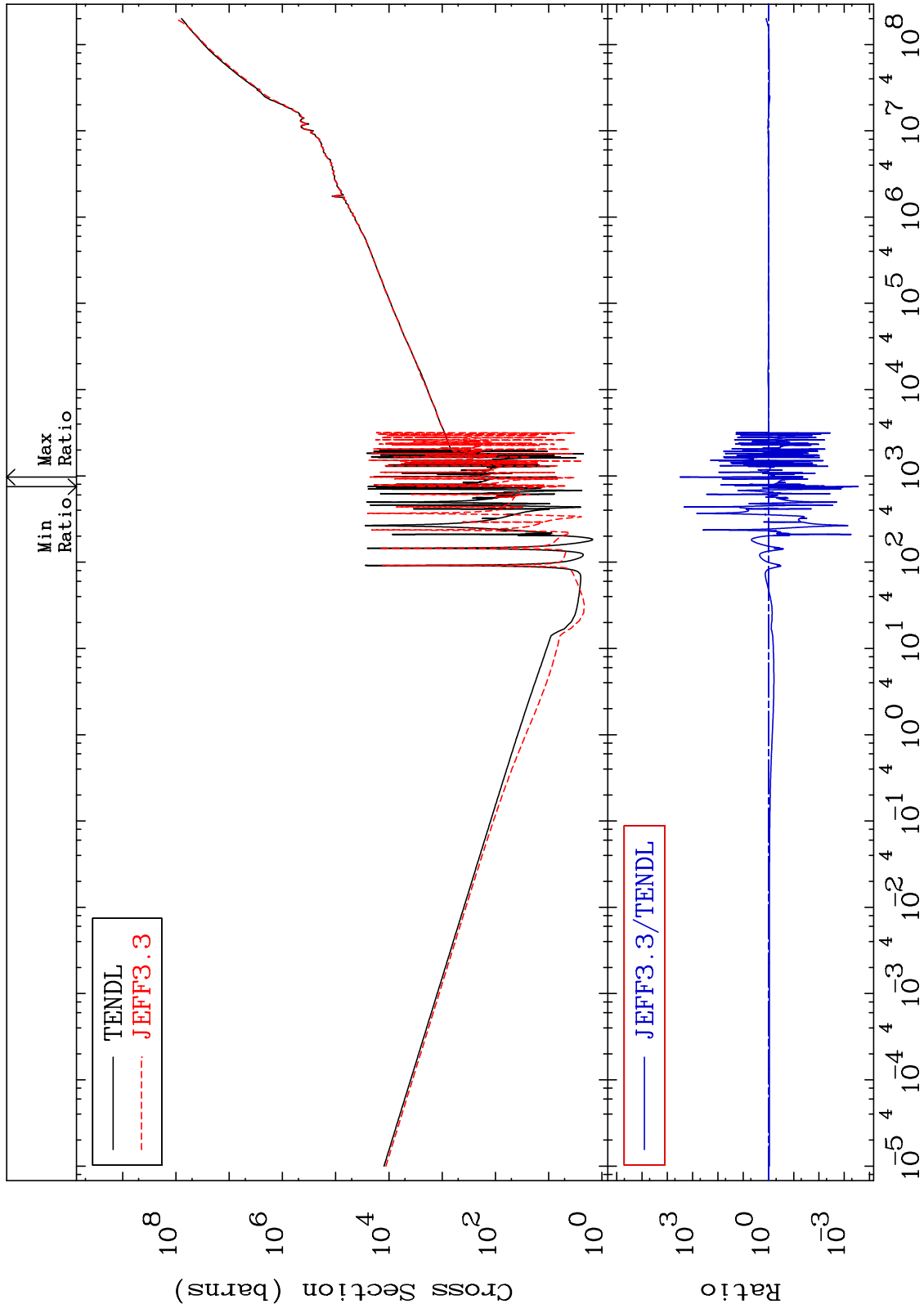
76-0s-190
-43.28 To 9999. %



MAT 7643

Kerma total (eV-barns)
Cross Section

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



63

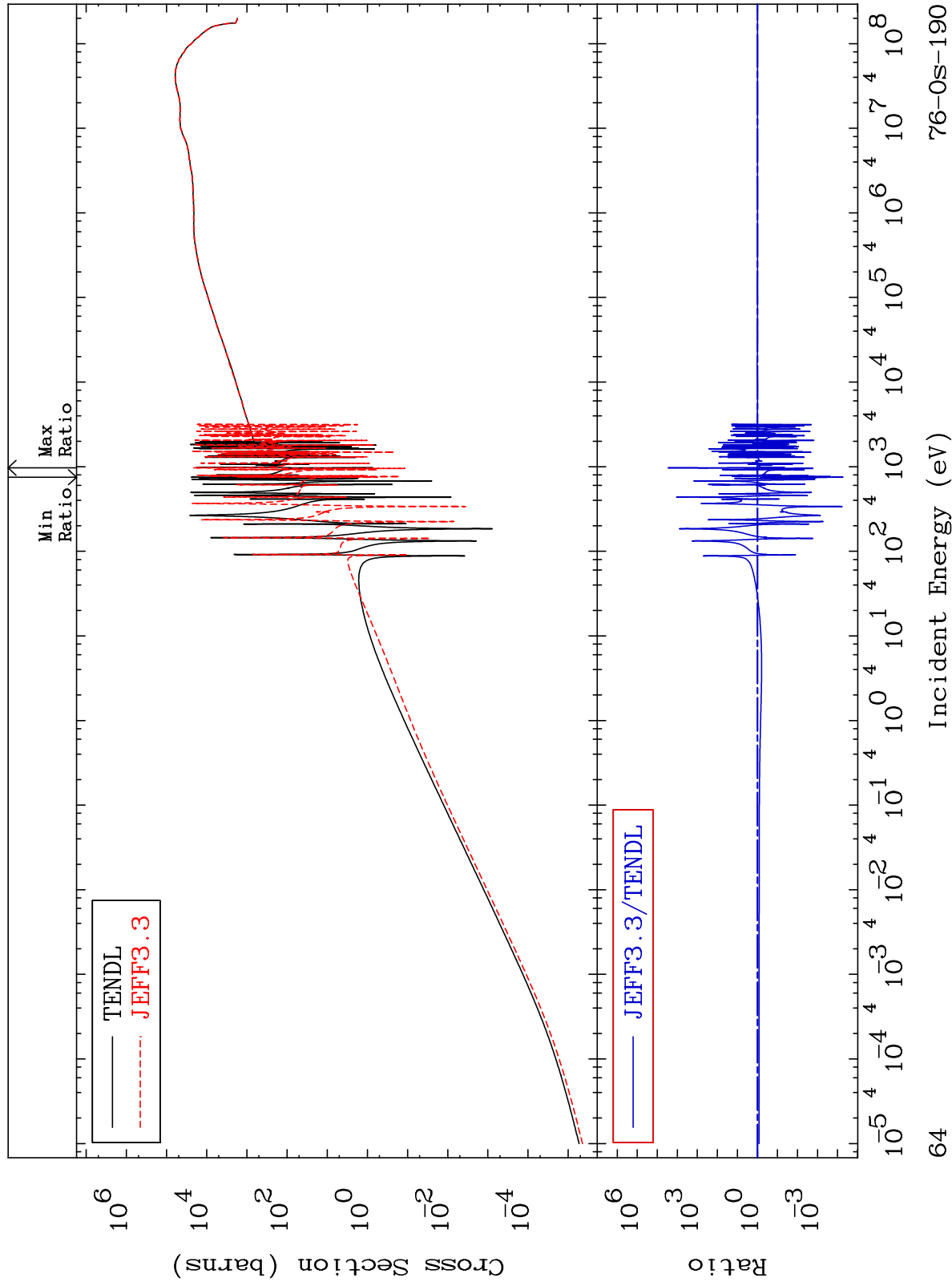
Incident Energy (eV)

76-0s-190

MAT 7643

Kerma elastic
Cross Section

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



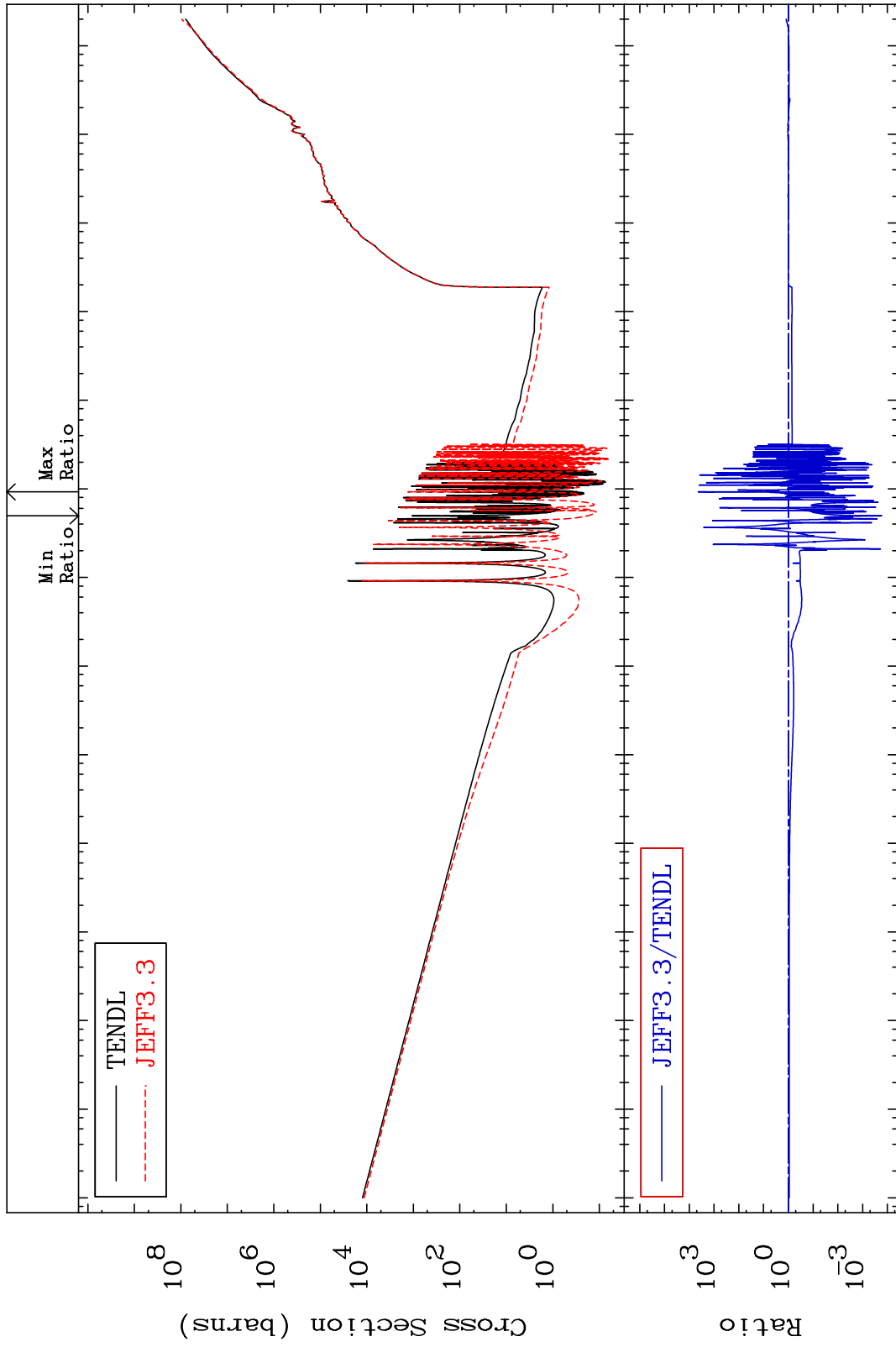
MAT 7643

Kerma non-elastic (all but mt2)

76-0s-190

-99.98 To 9999. %

Cross Section



65

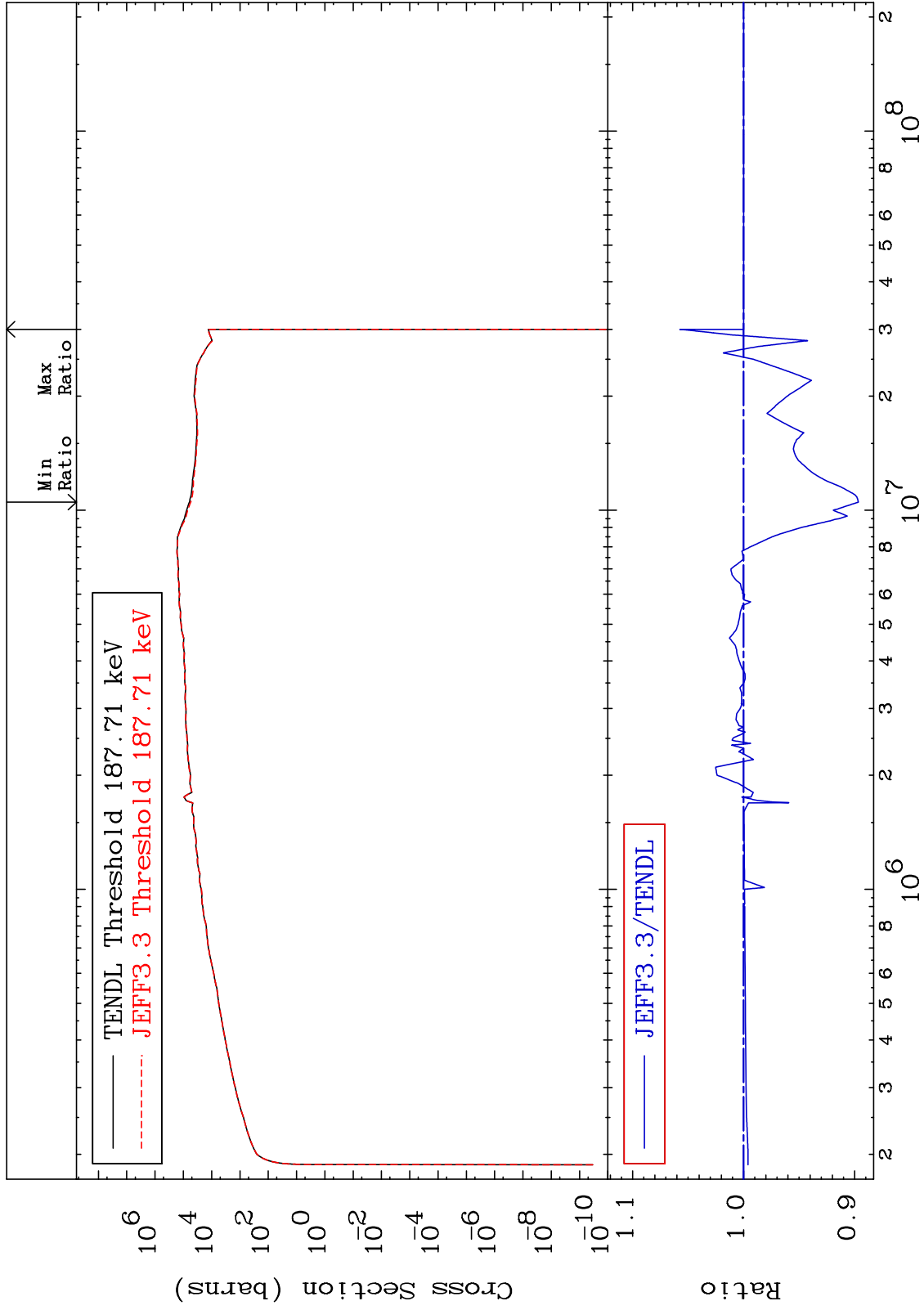
Incident Energy (eV)

76-0s-190

MAT 7643

Kerma inelastic (mt51-91)
Cross Section

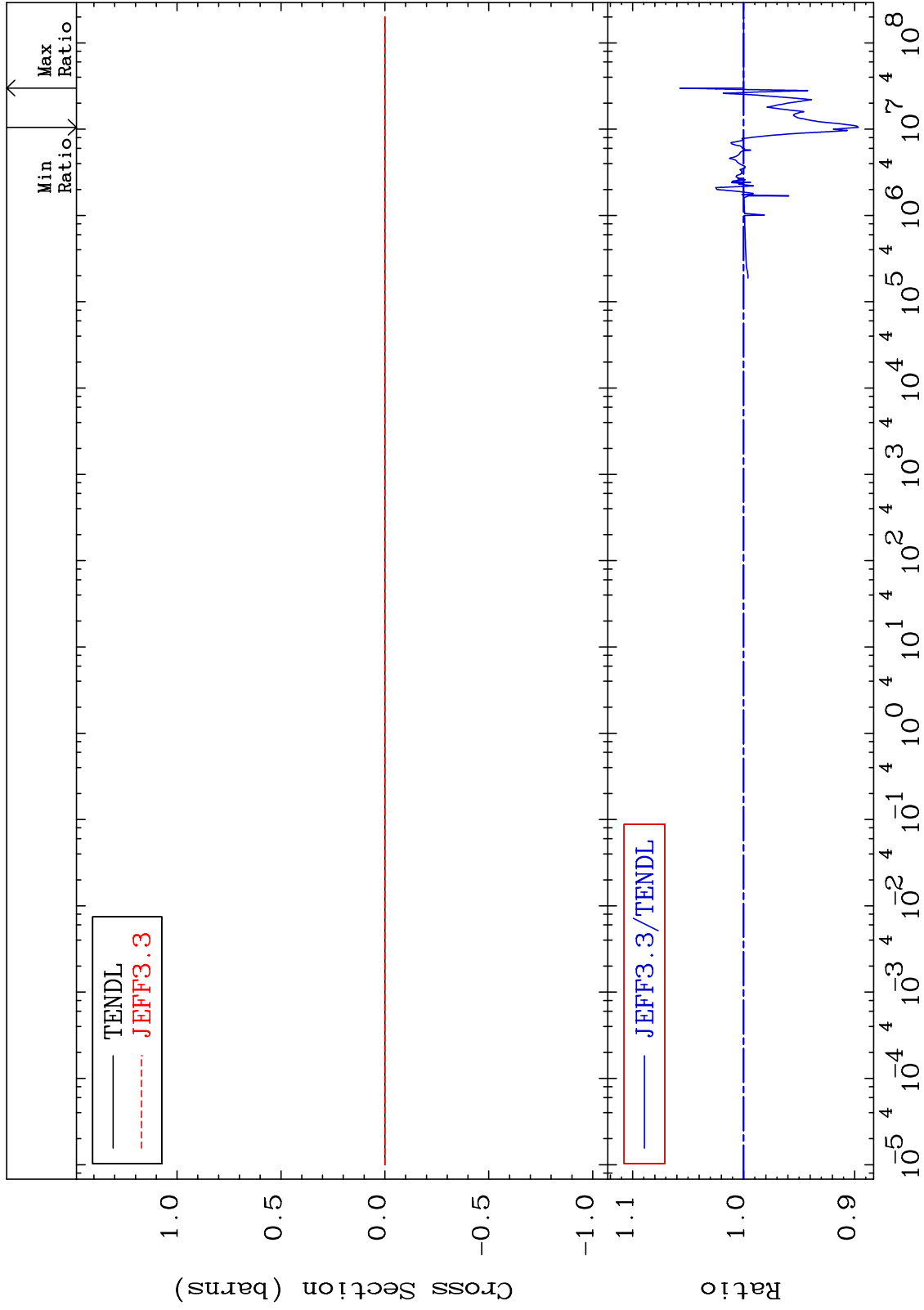
76-0s-190
-10.34 To 5.727 %



MAT 7643

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

76-0s-190
-10.34 To 5.727 %



67

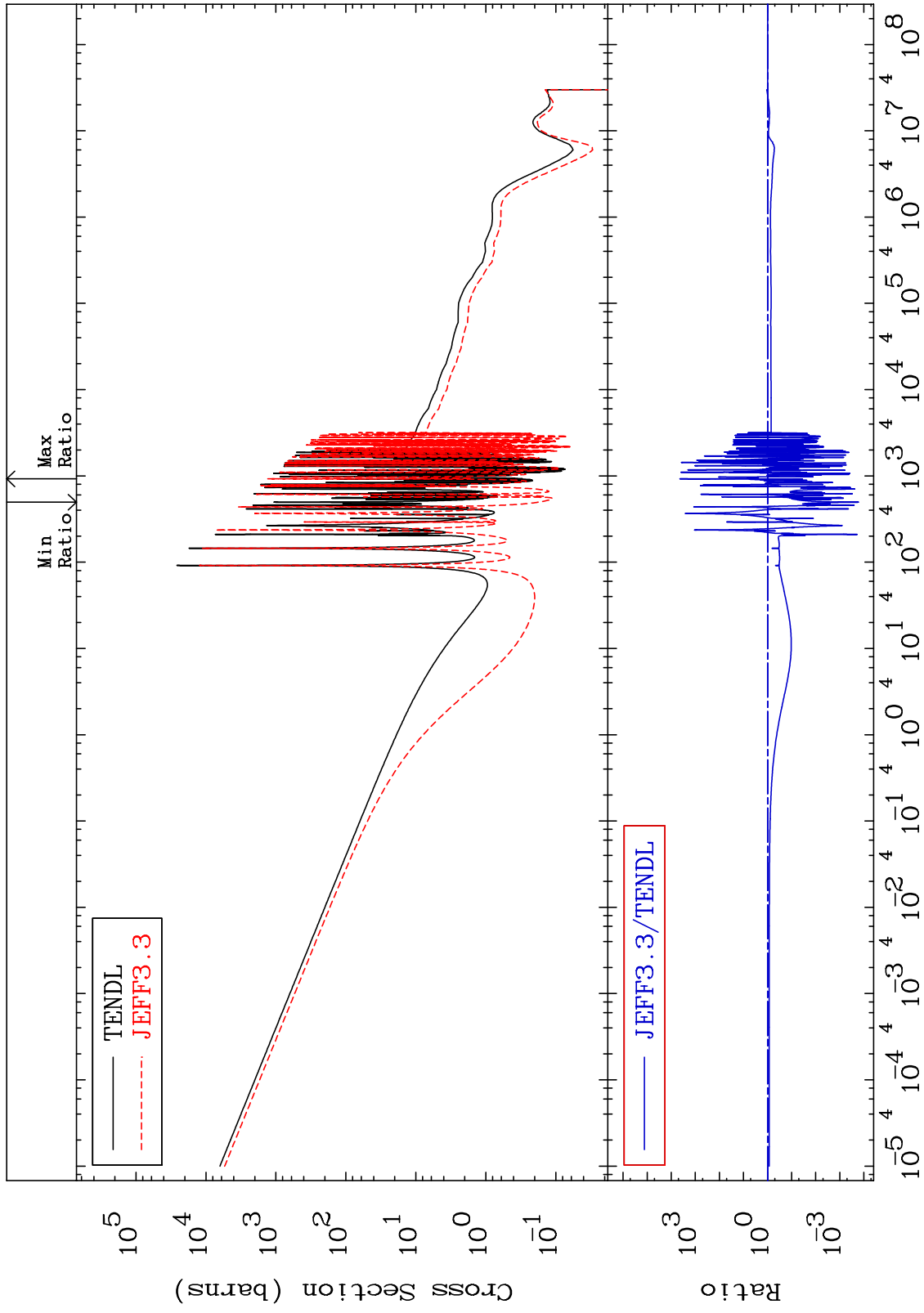
Incident Energy (eV)

76-0s-190

MAT 7643

Kerma capture (mt102)
Cross Section

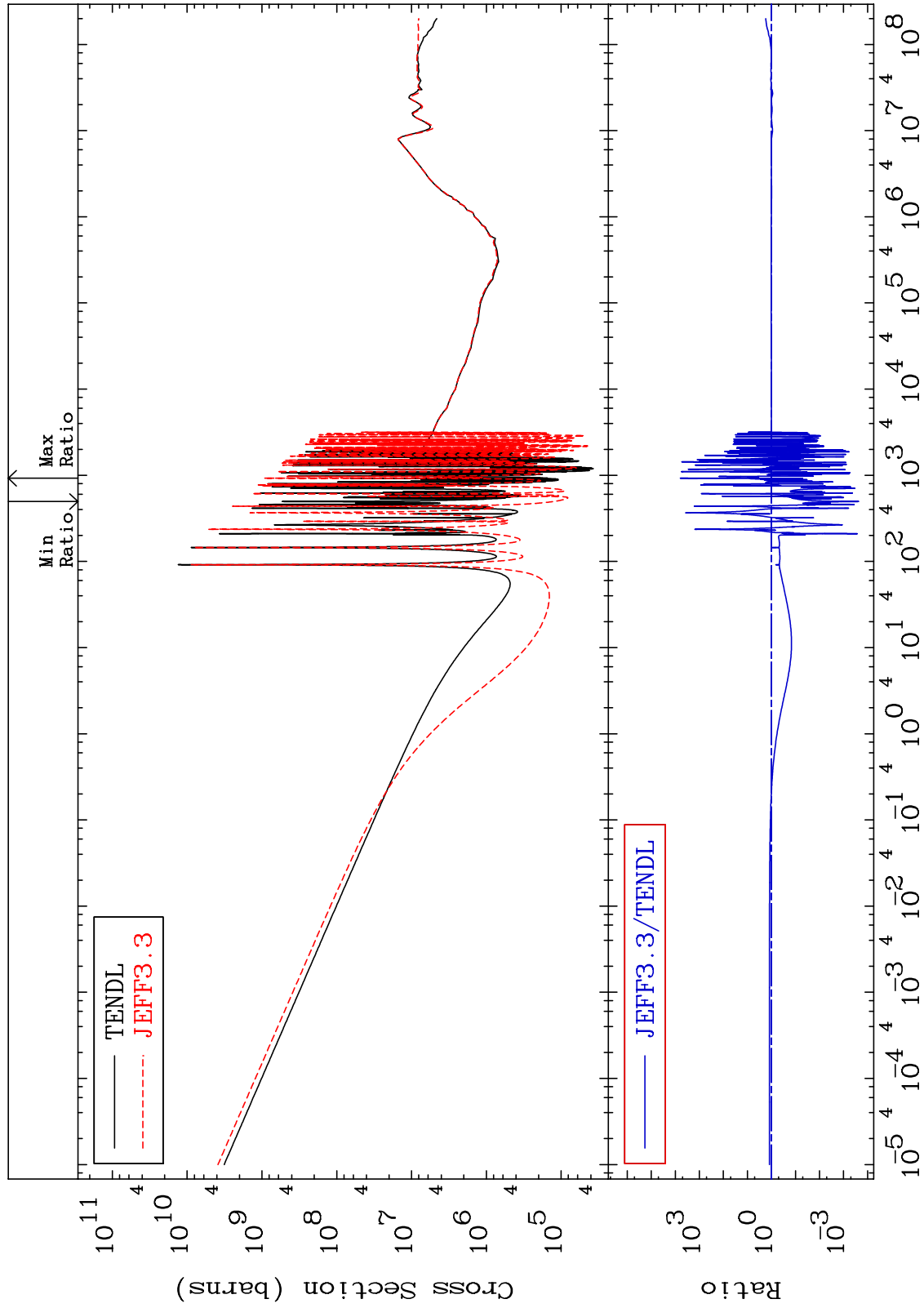
76-0s-190
-99.98 To 9999. %



MAT 7643

Total photon (eV-barns)
Cross Section

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



69

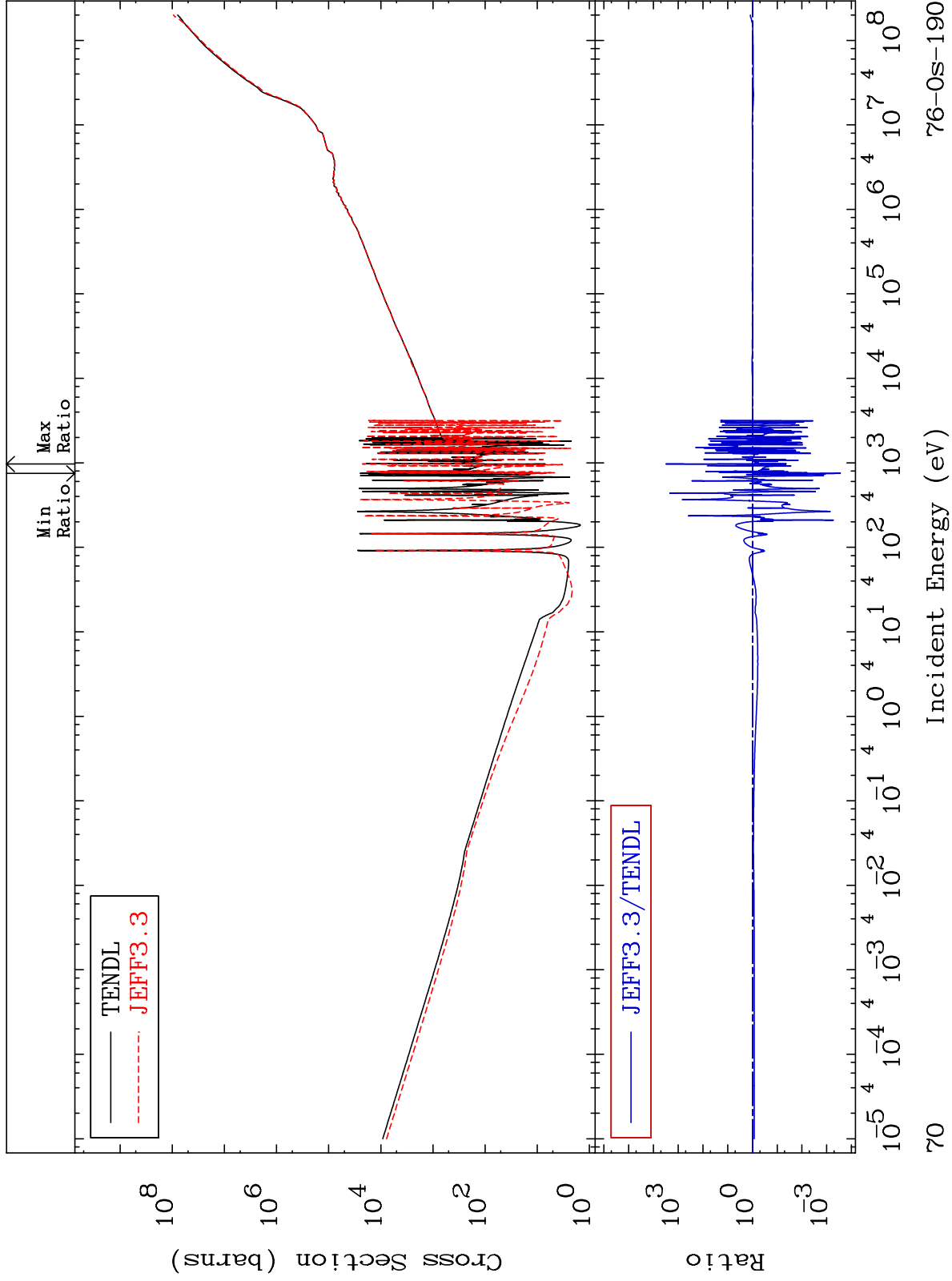
Incident Energy (eV)

76-0s-190

MAT 7643

Total kinematic kerma (high limit)
Cross Section

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



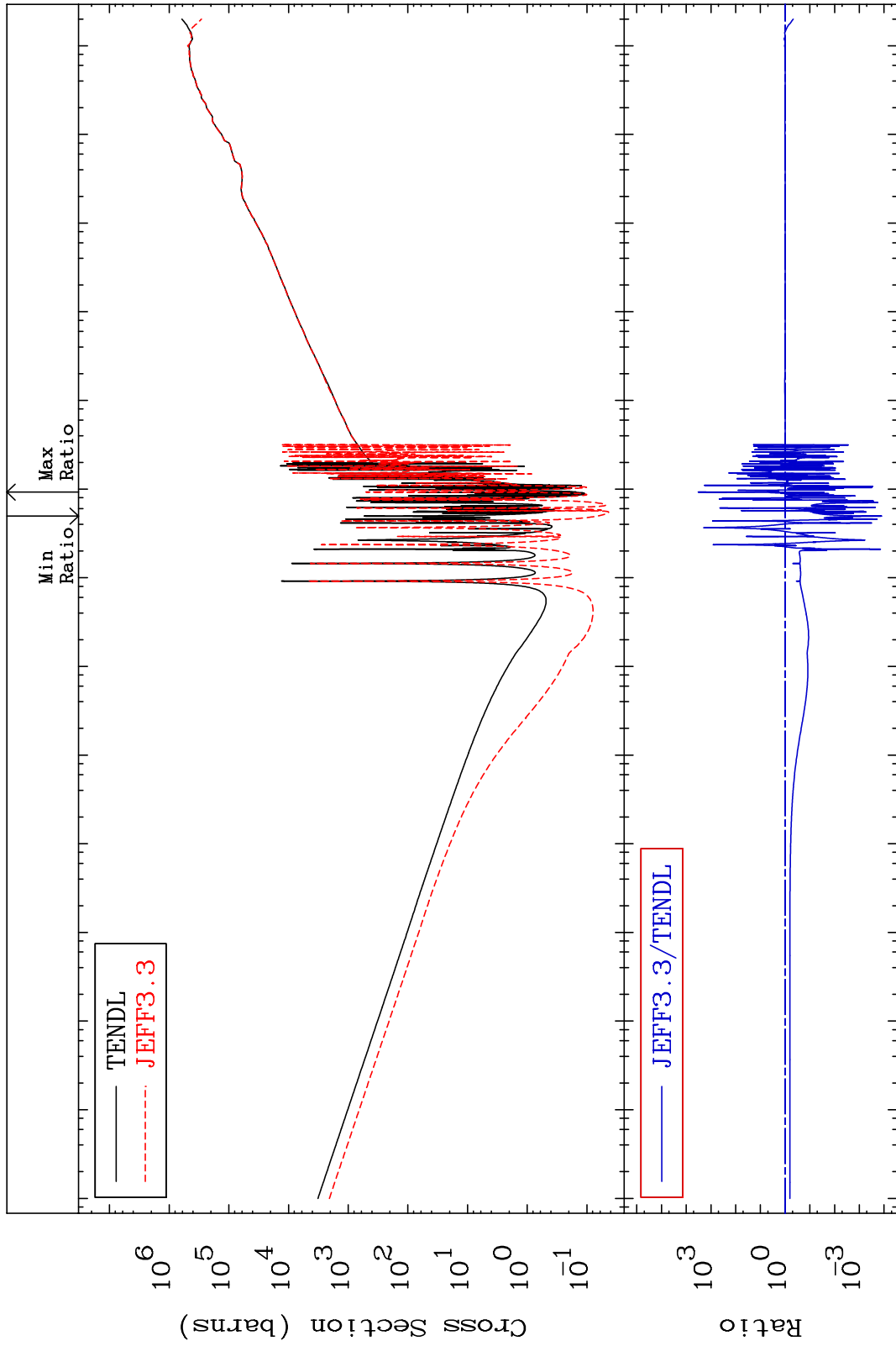
70

76-0s-190

MAT 7643

Dpa total (eV-barns)
Cross Section

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



71

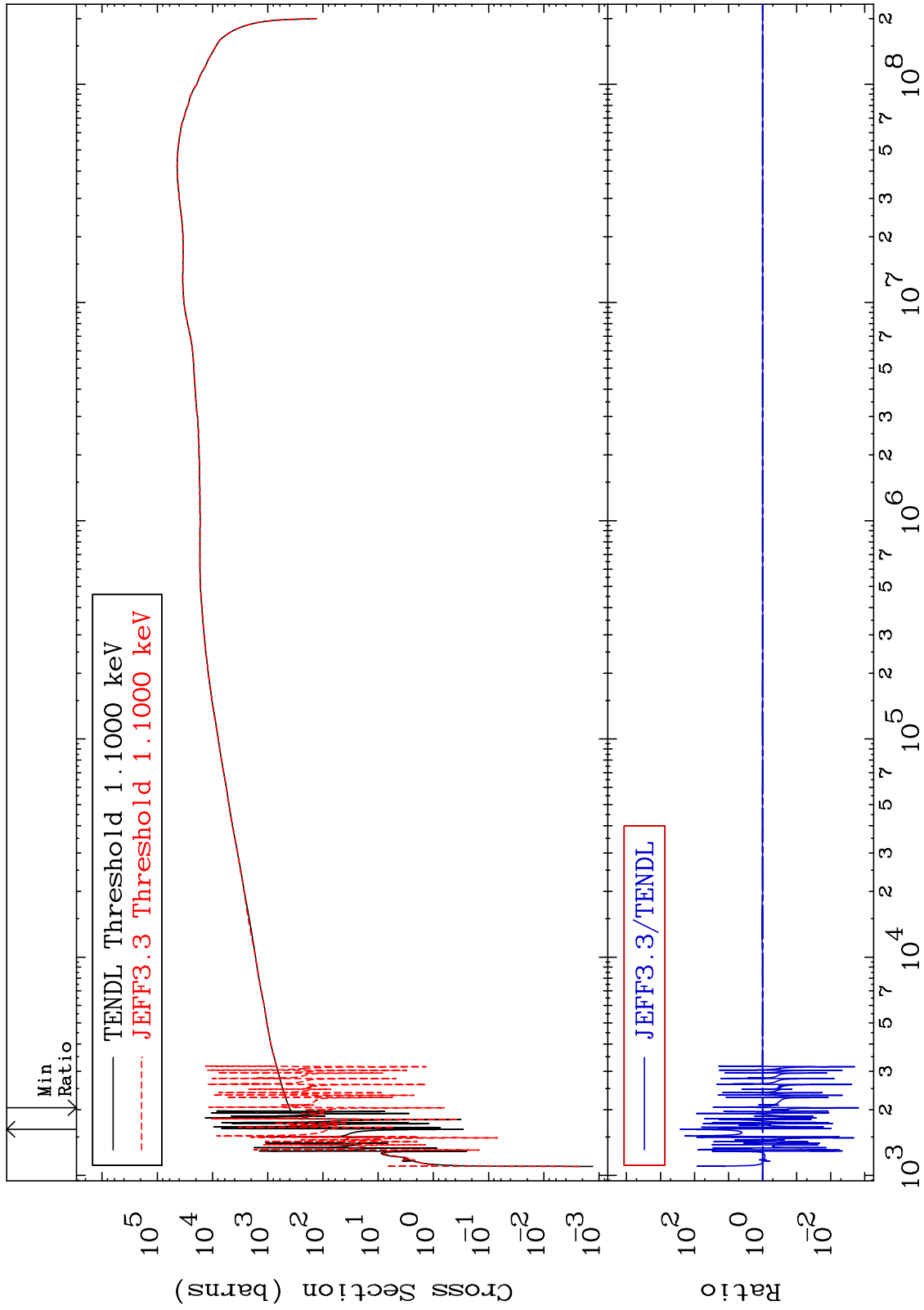
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa elastic (mt2)
Cross Section

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



72

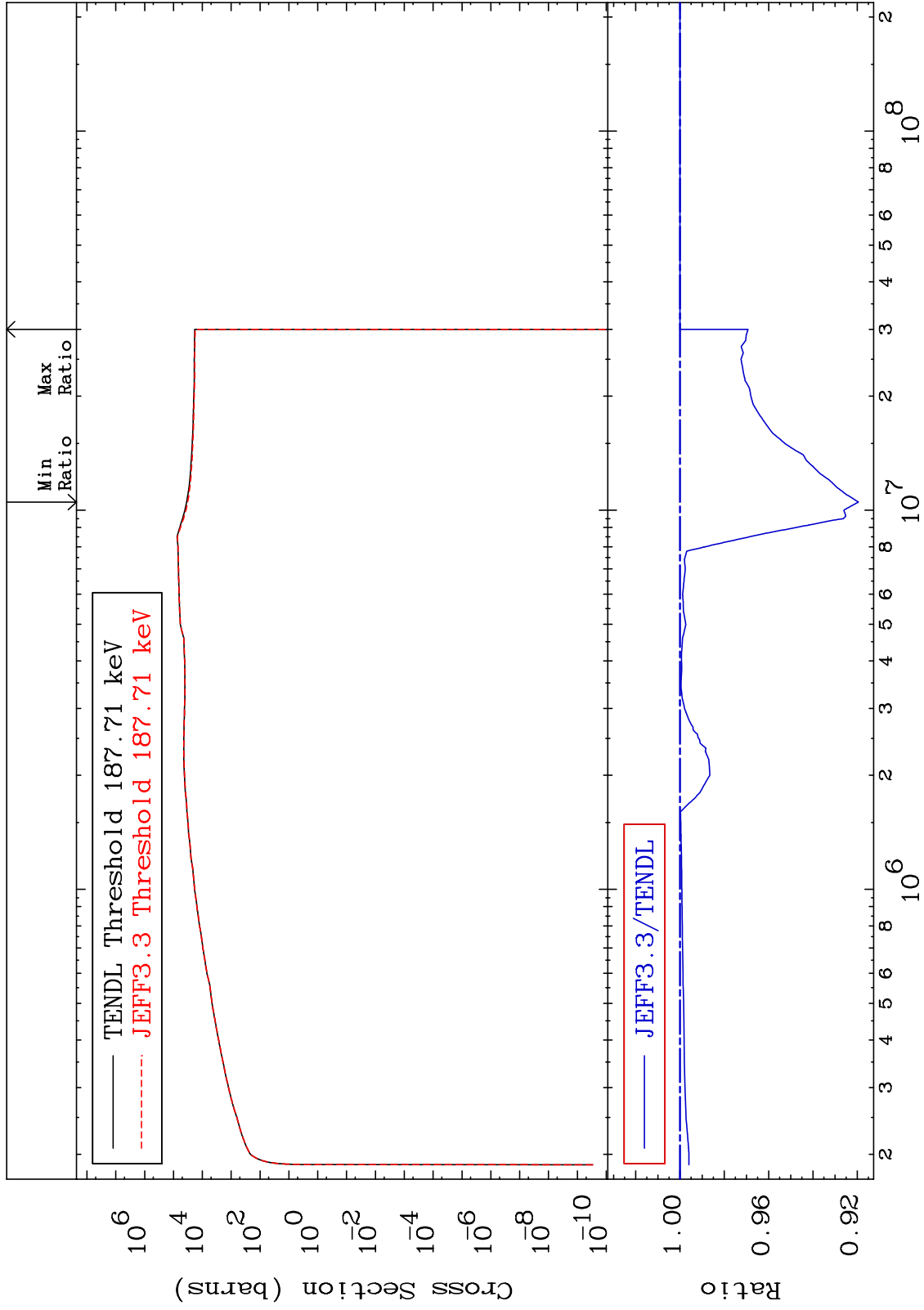
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa inelastic (mt51-91)
Cross Section

76-0s-190
-8.053 To 0.000 %



73

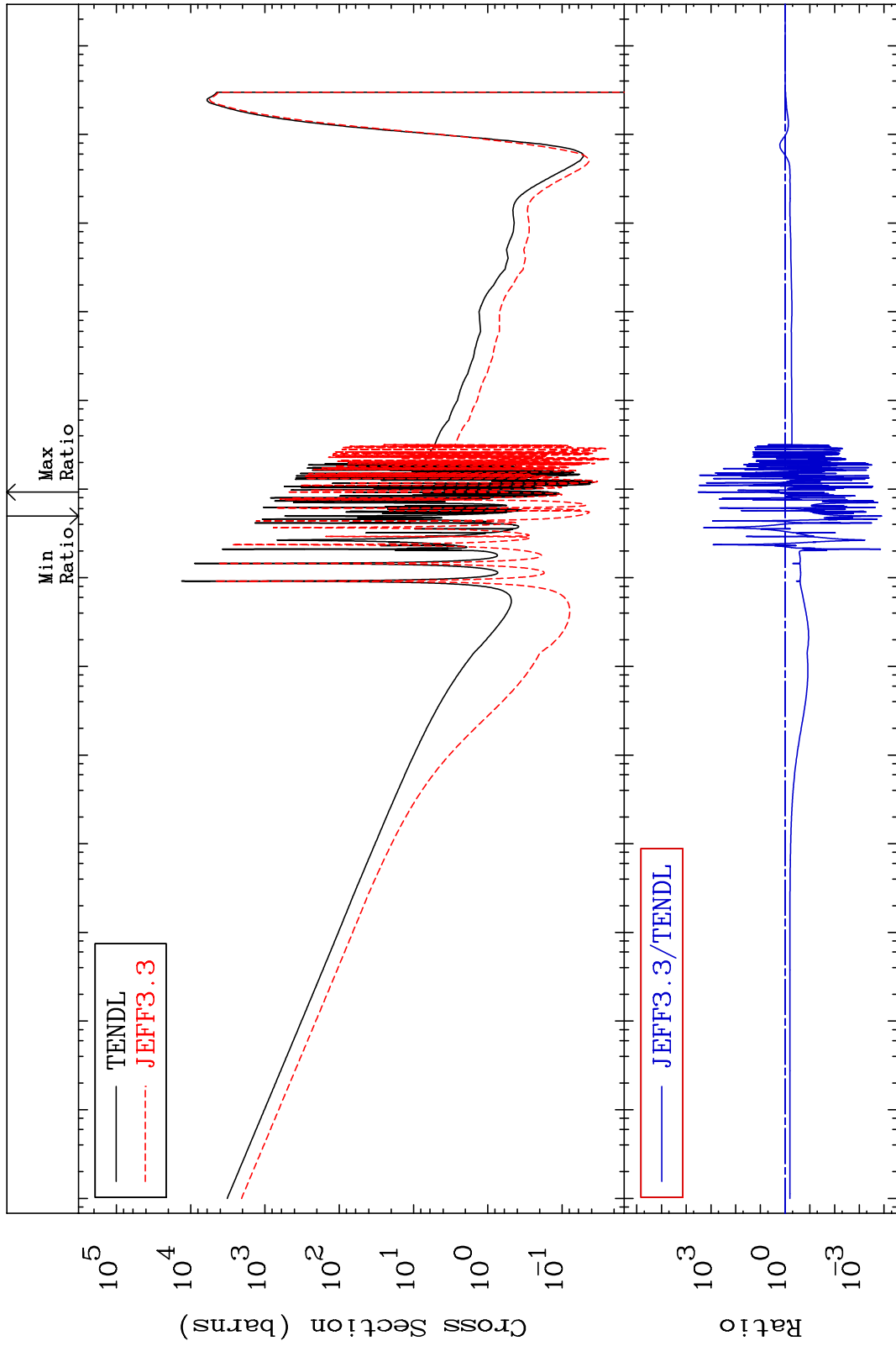
Incident Energy (eV)

76-0s-190

MAT 7643

Dpa disappearance (mt102 -120)
Cross Section

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



74

Incident Energy (eV)

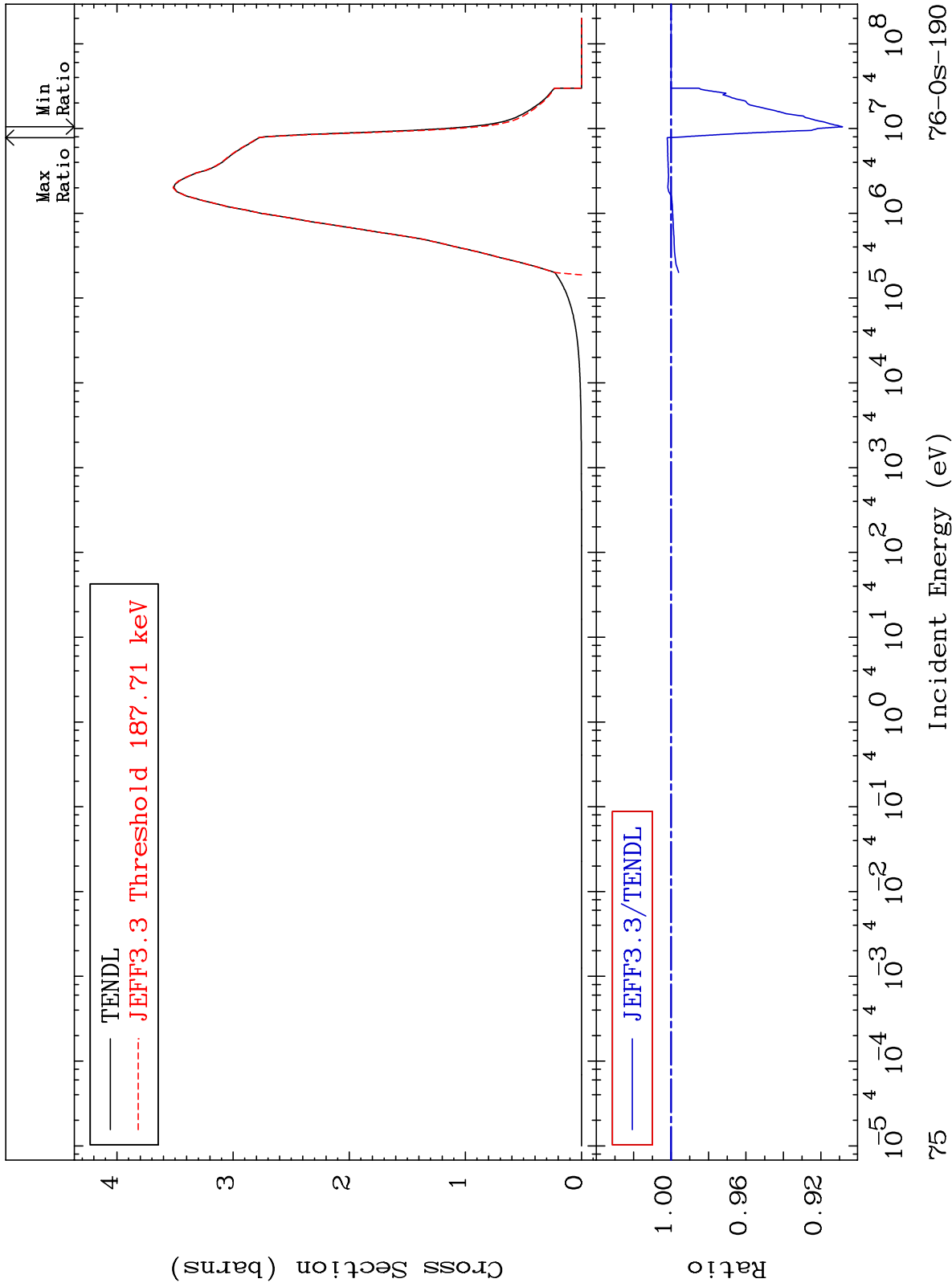
76-0s-190

MAT 7643

Inelastic: 76-0s-190g

76-0s-190

Radionuclide Production Cross Section -9.164 To 0.202 %



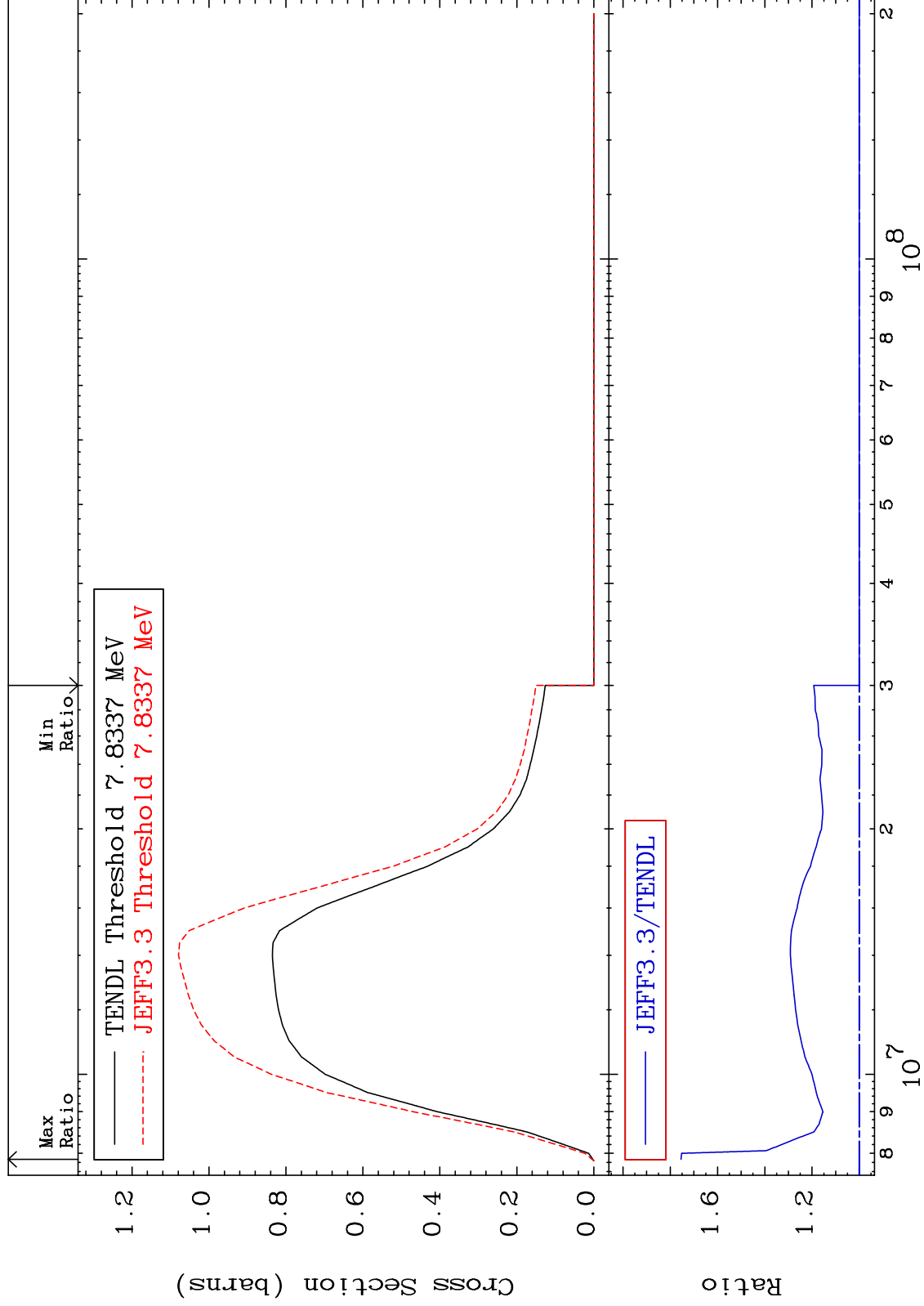
75

MAT 7643

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

76-0s-190

Radionuclide Production Cross Section 0.000 To 75.44 %

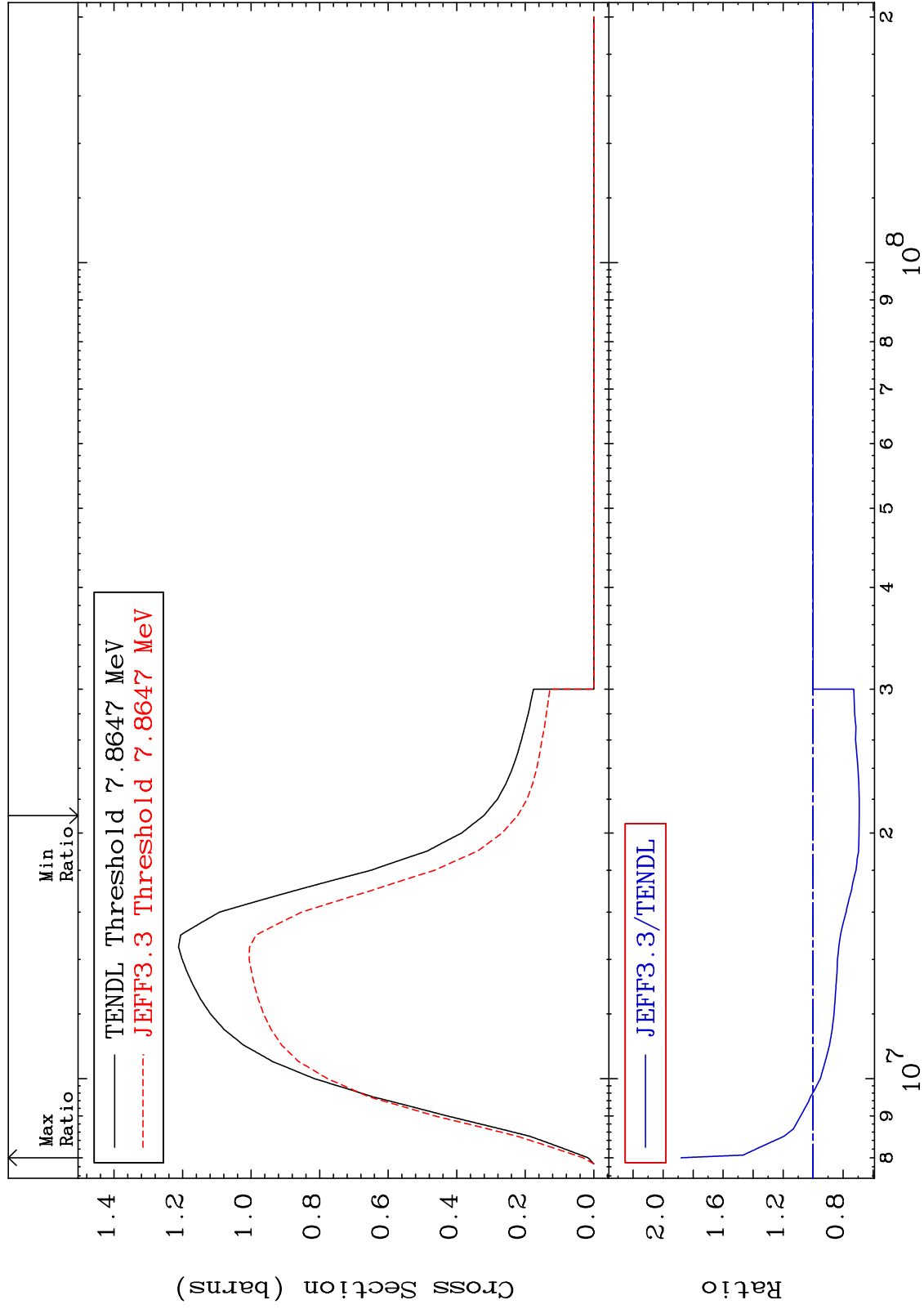


MAT 7643

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

76-Os-190

Radionuclide Production Cross Section -30.76 To 88.03 %



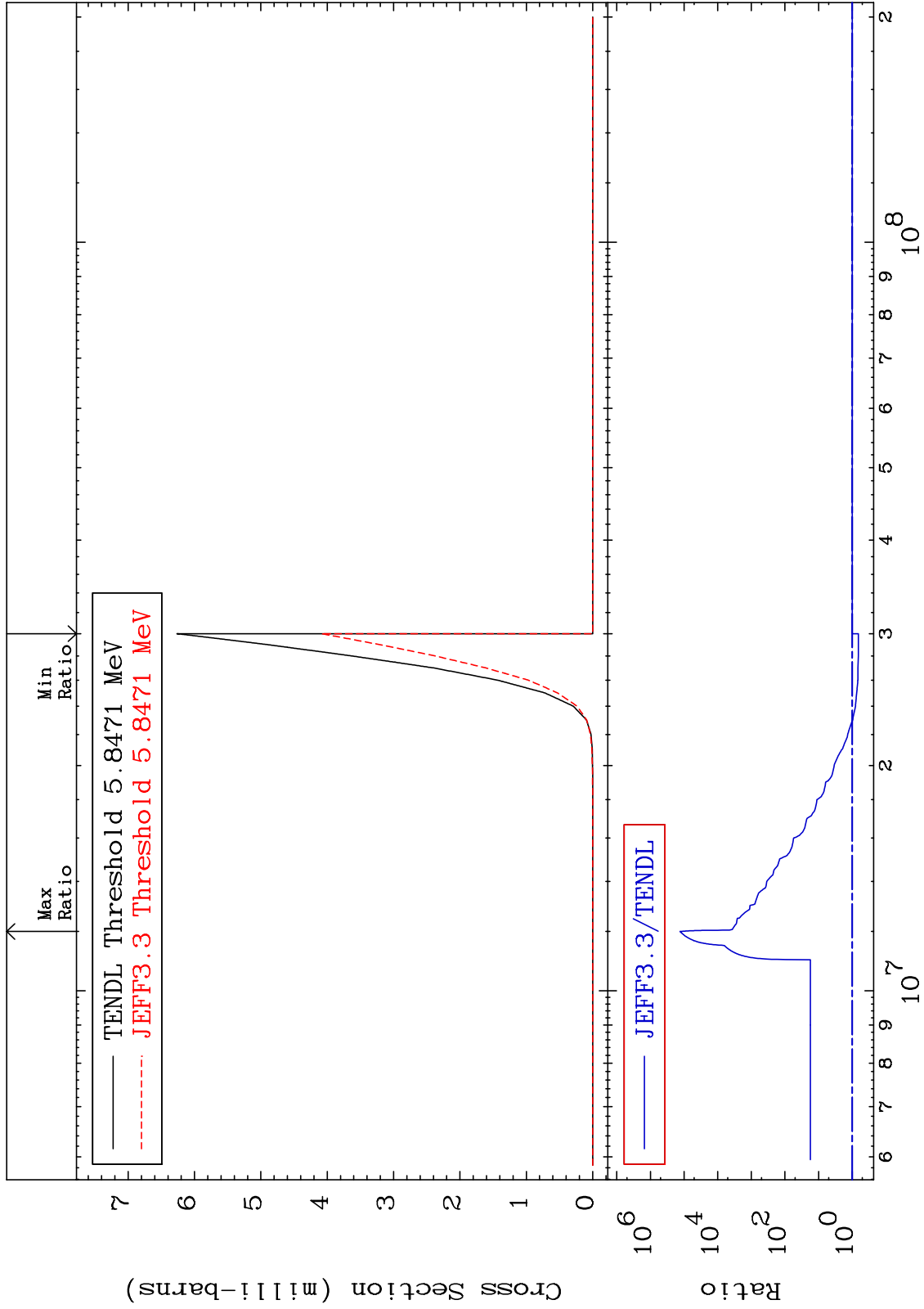
77

Incident Energy (eV)

76-Os-190

MAT 7643

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



78

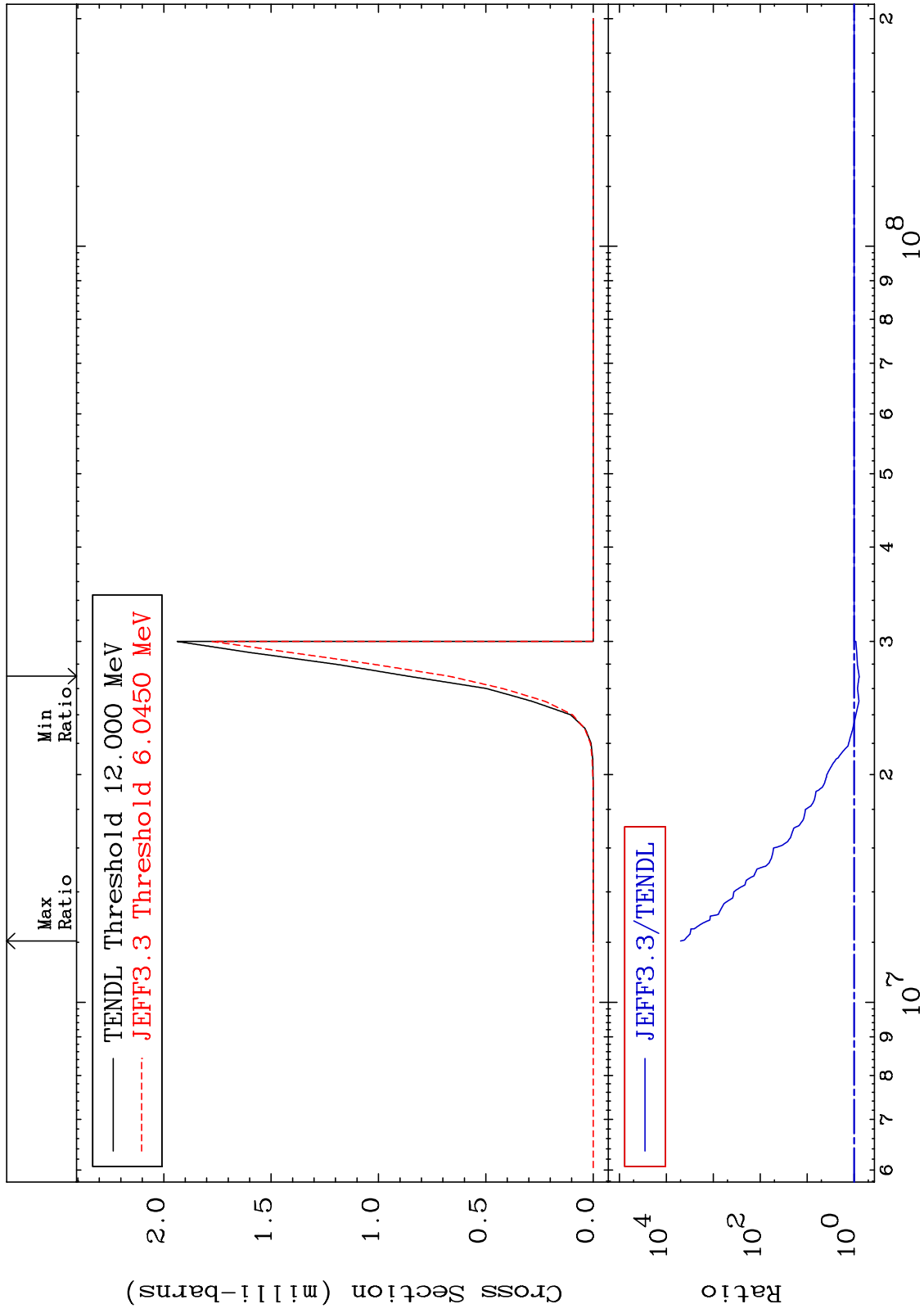
76-0s-190

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

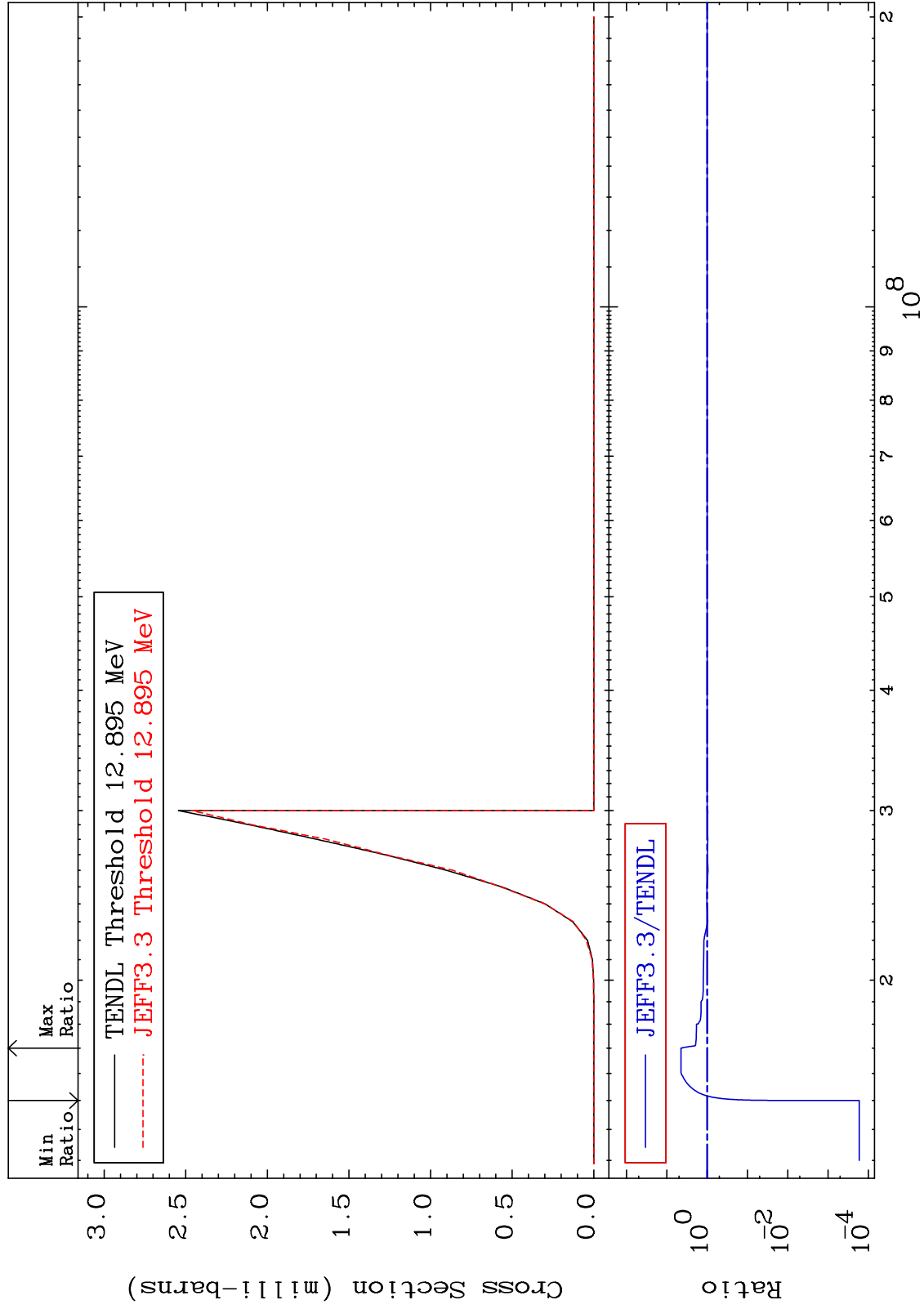
MAT 7643

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

76-0s-190

Radionuclide Production Cross Section

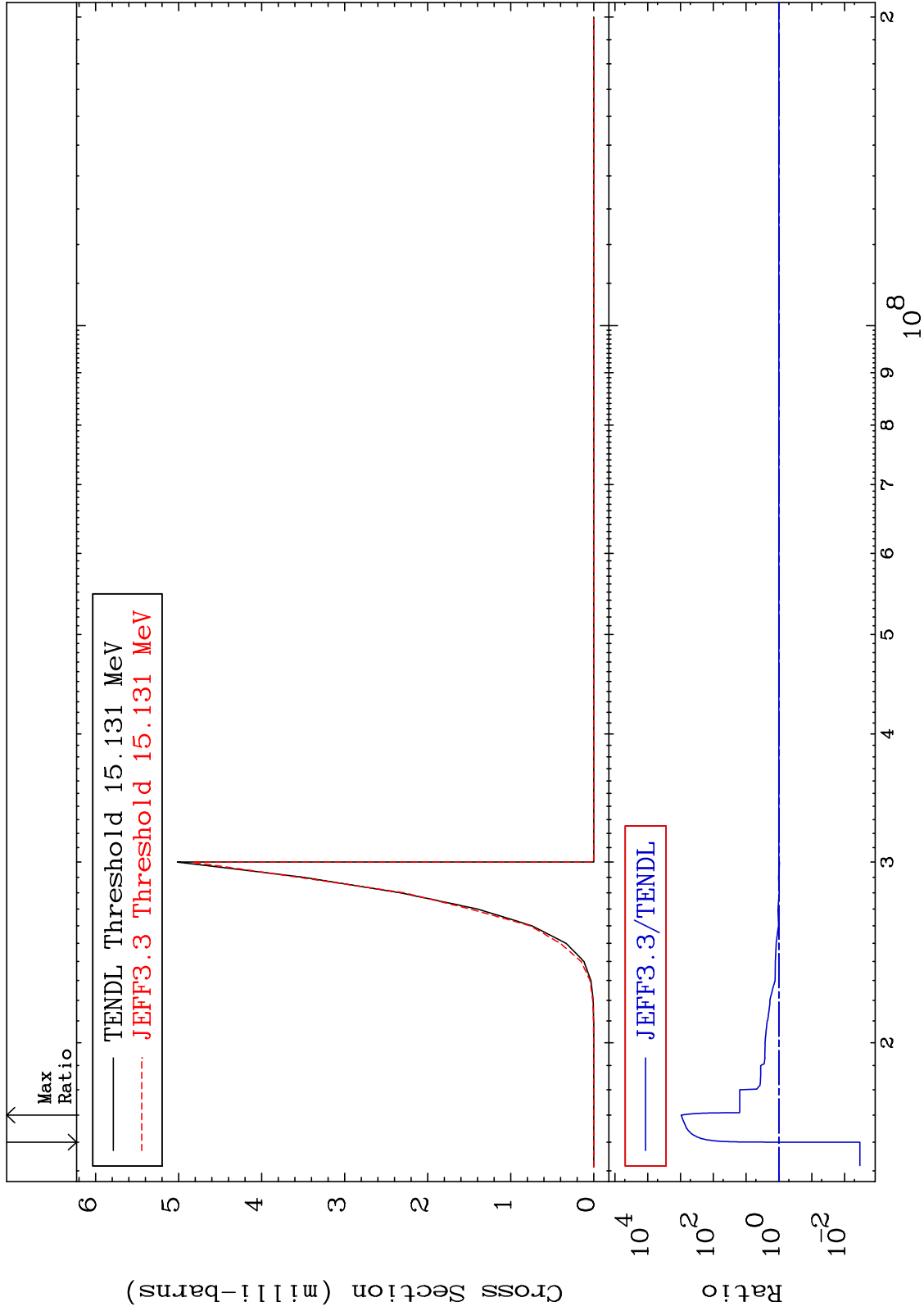
-99.98 To 343.8 %



80

Incident Energy (eV)

76-0s-190



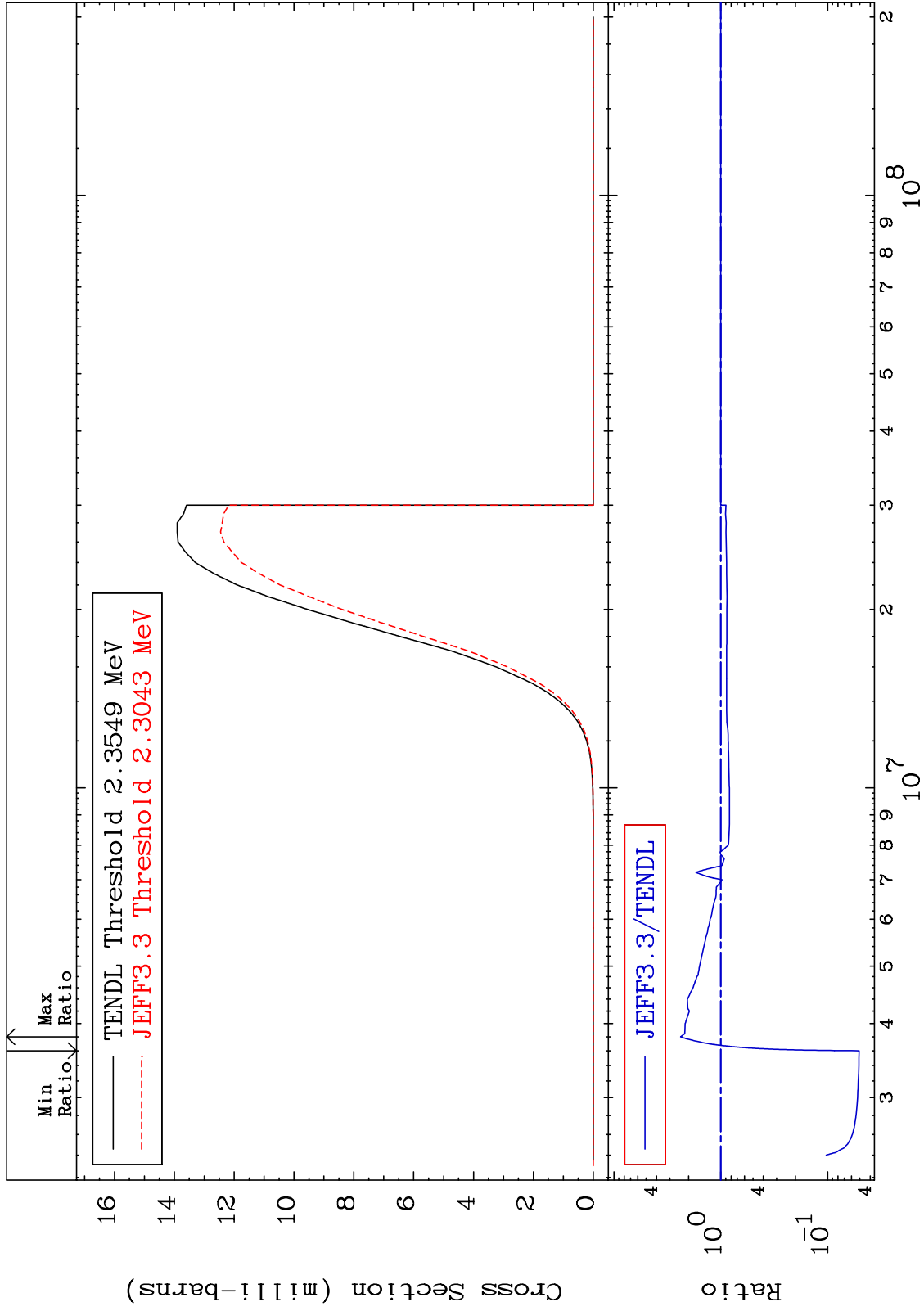
MAT 7643

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

76-0s-190

Radionuclide Production Cross Section

-94.93 To 137.8 %



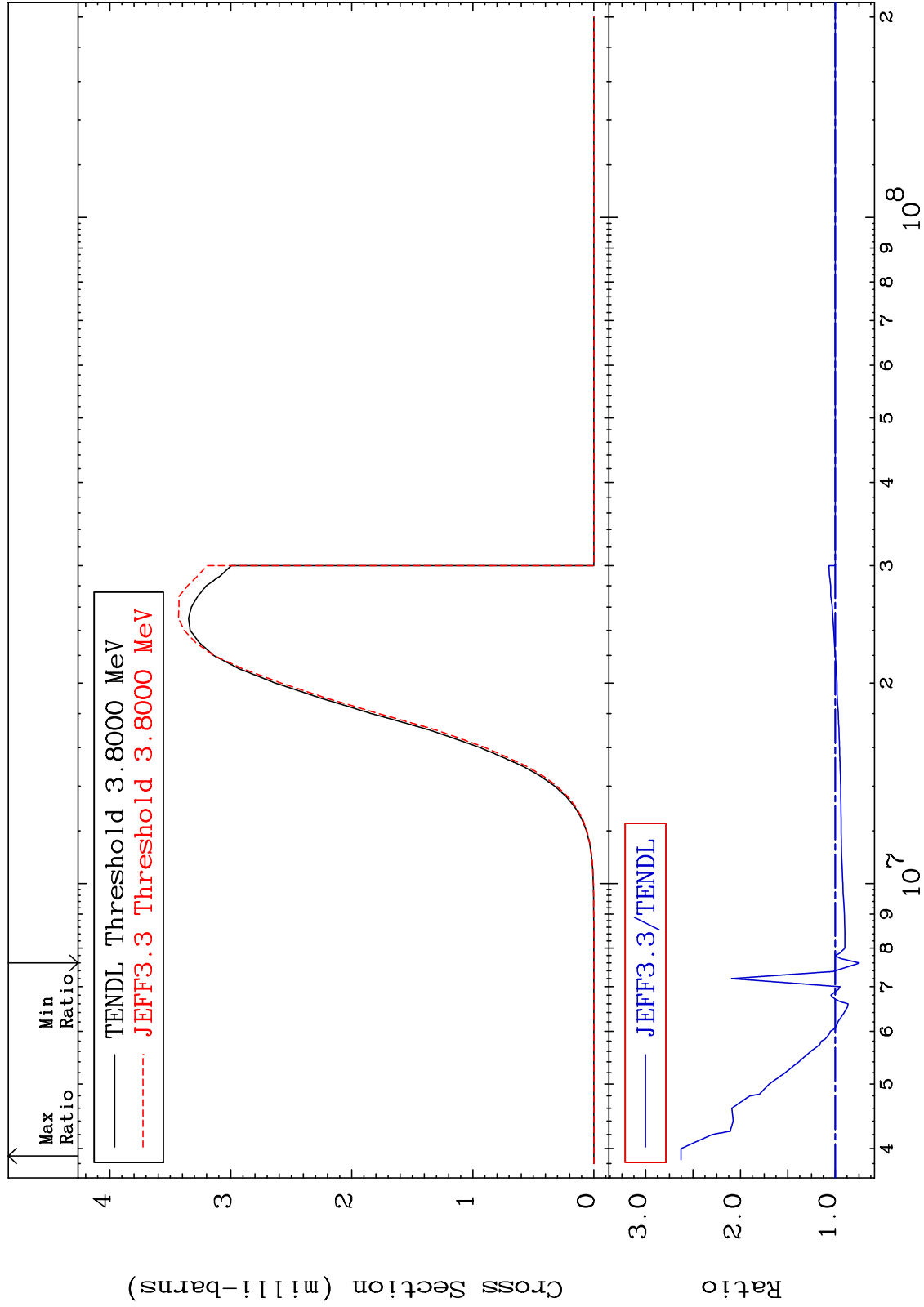
MAT 7643

(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 %

