

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

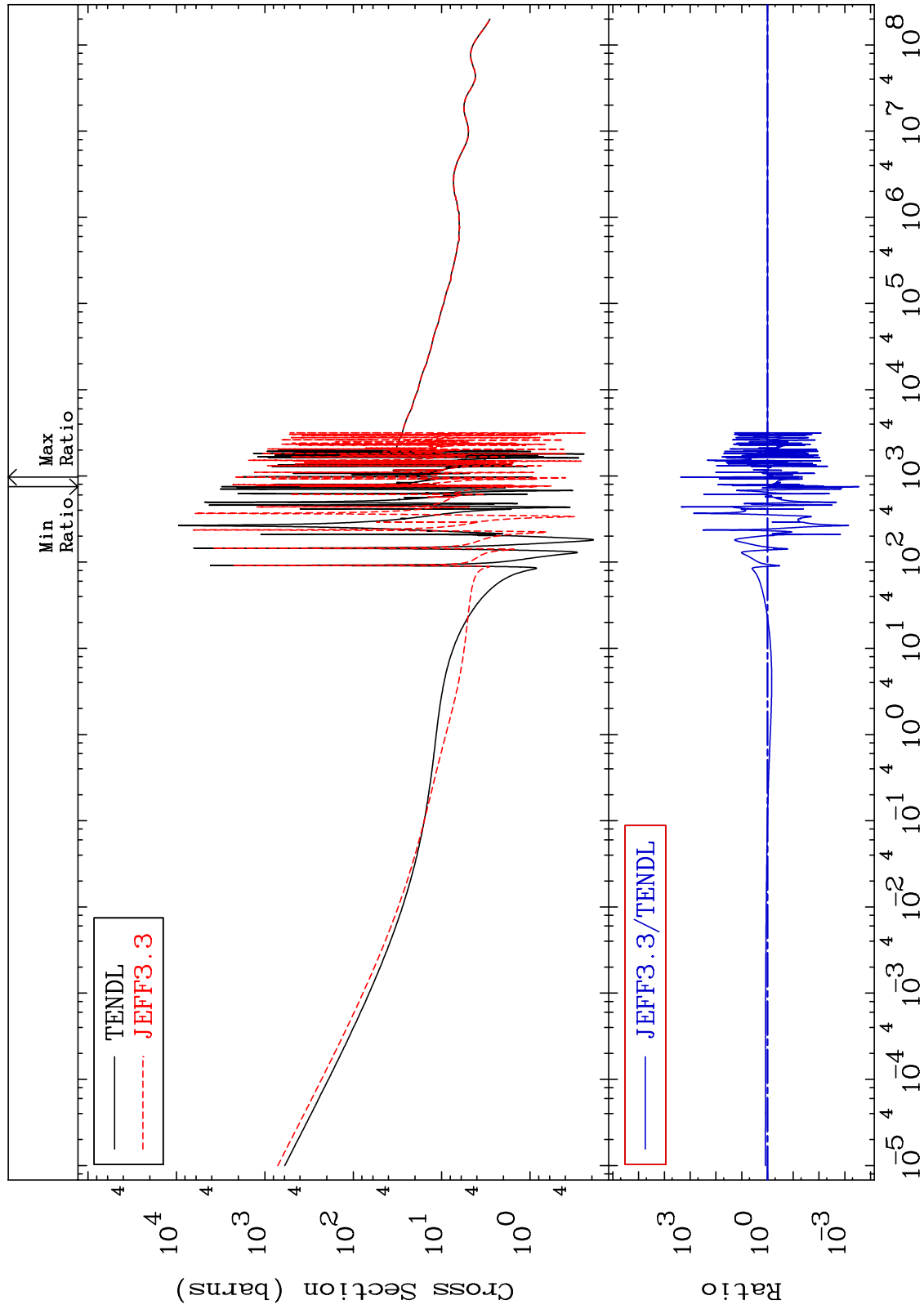
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

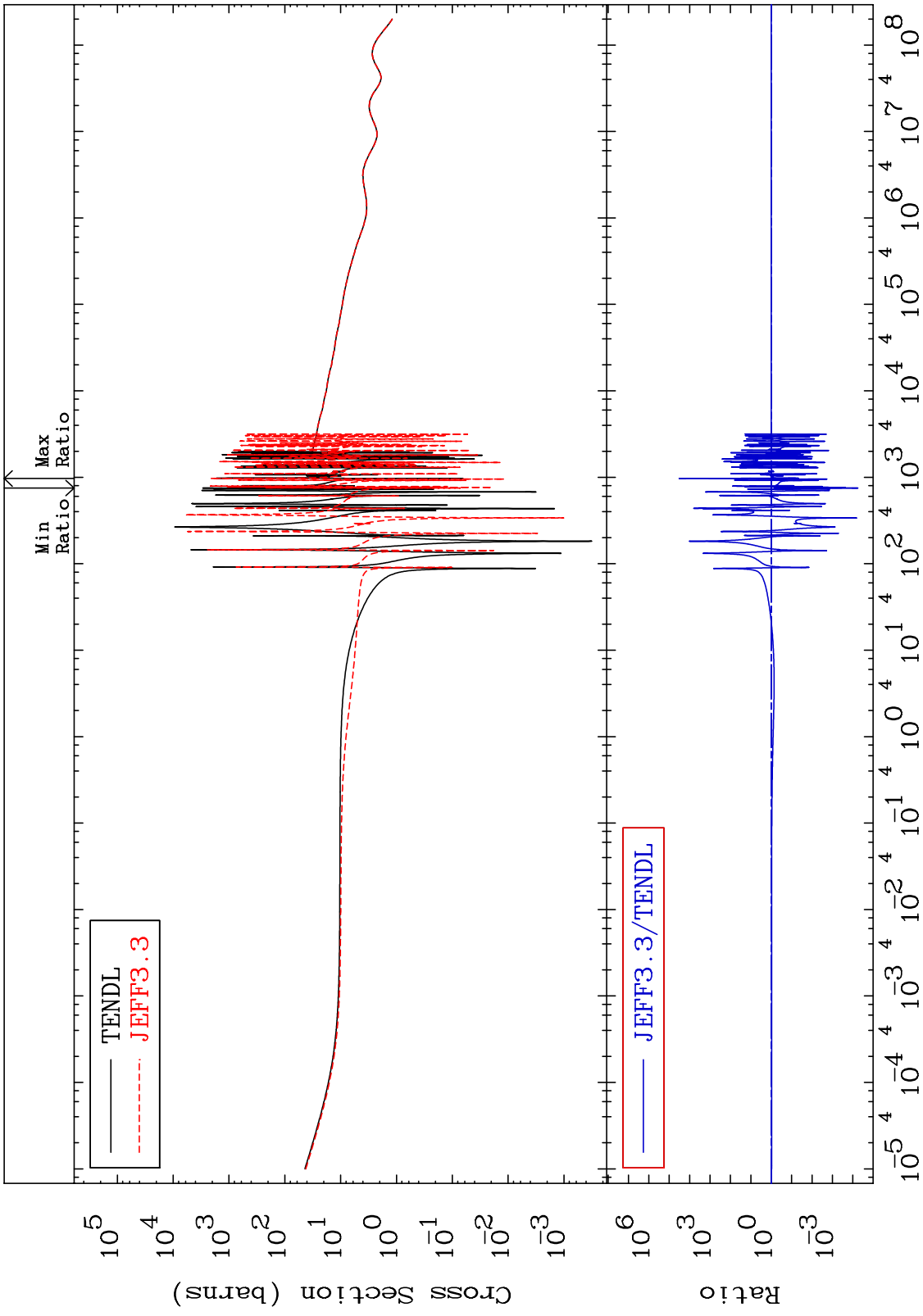
Press Mouse Button to Start

MAT 7643 Total Cross Section 76-0s-190 -99.97 To 9999. %

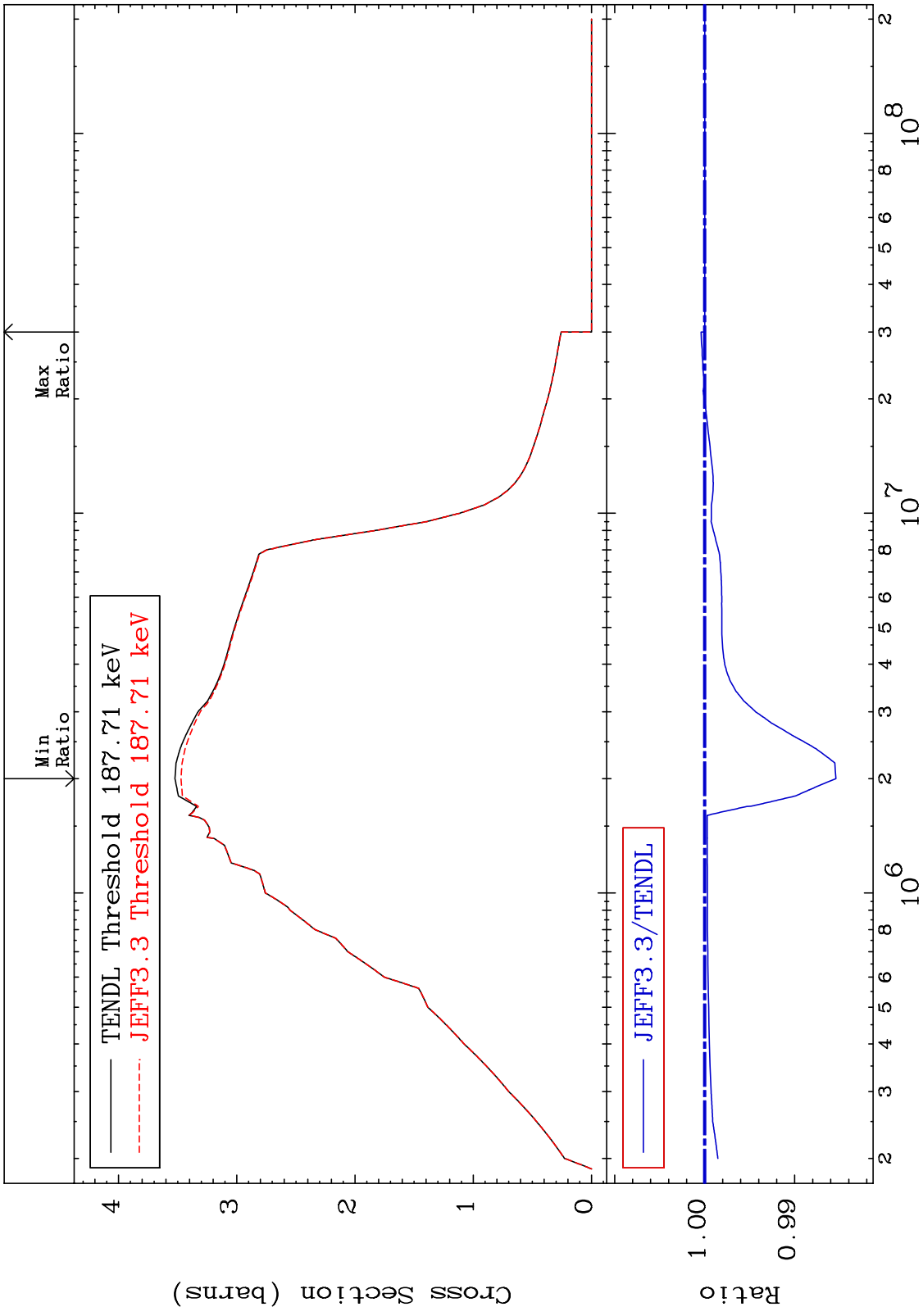


1 Incident Energy (eV) 76-0s-190

MAT 7643 Elastic Cross Section 76-Os-190 -99.99 To 9999. %

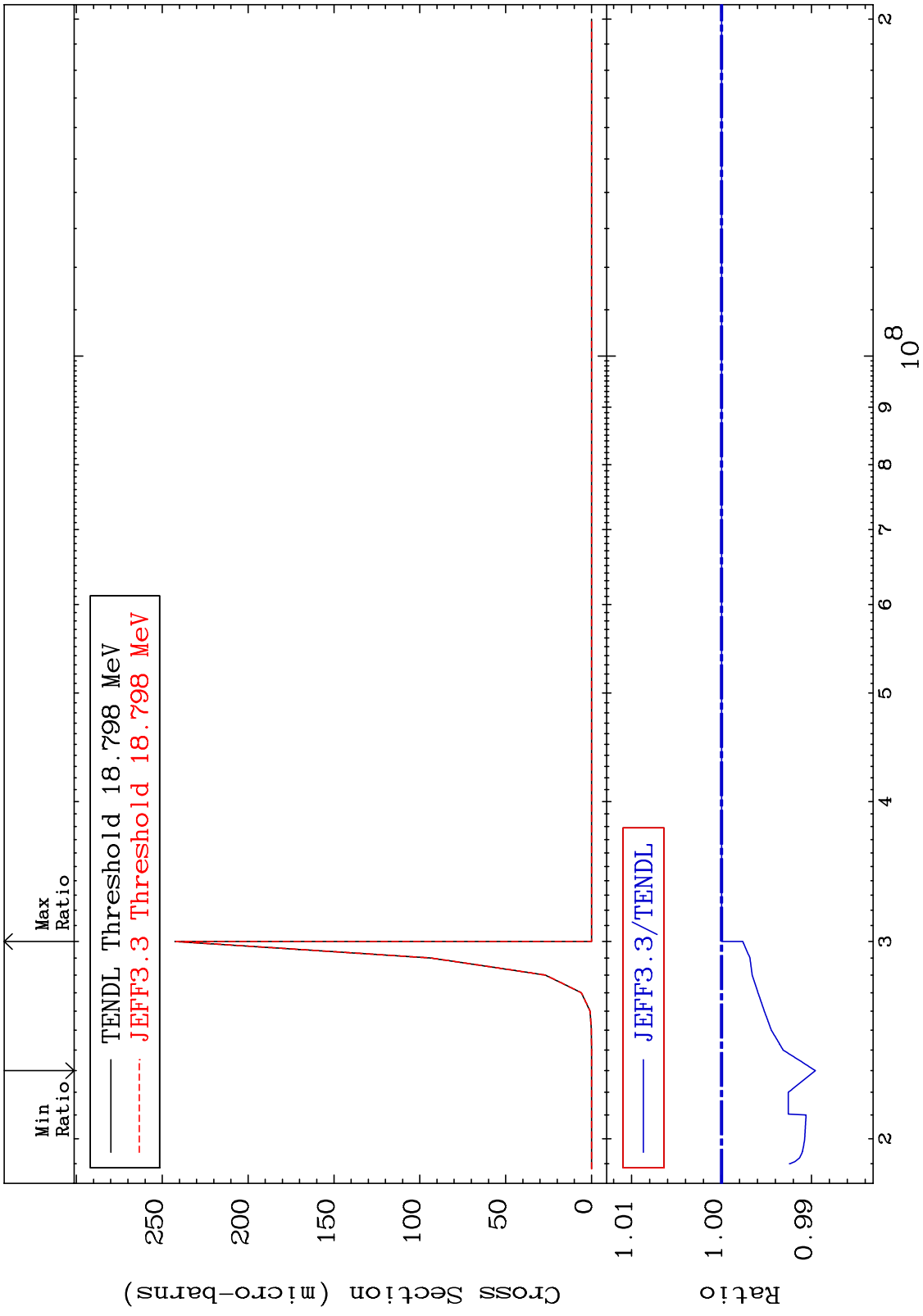


MAT 7643 Inelastic Cross Section 76-0s-190  
-1.457 To 0.041 %

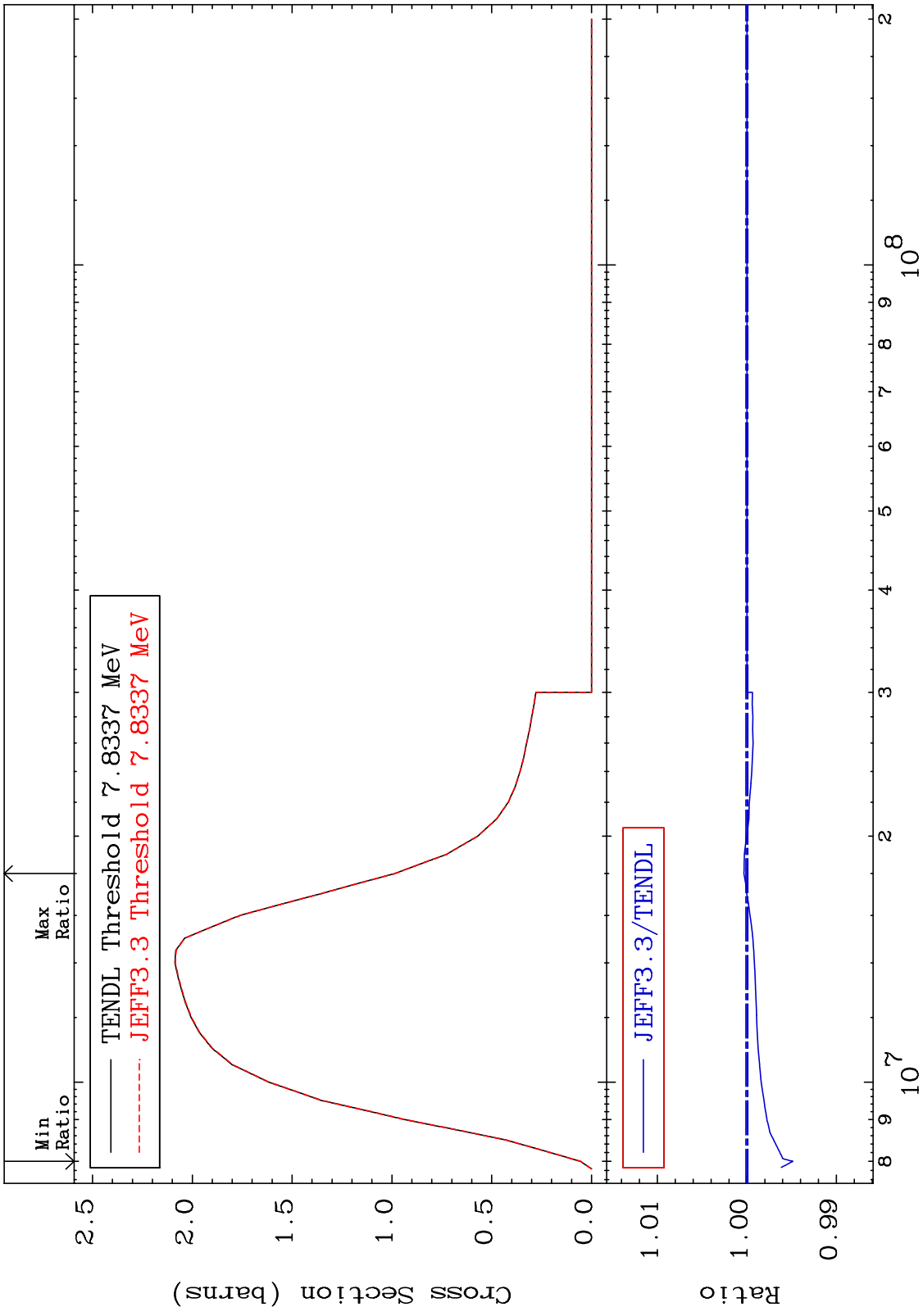


3 Incident Energy (eV) 76-0s-190

MAT 7643 (n,2n) d 76-0s-190  
 Cross Section -1.045 To 0.000 %

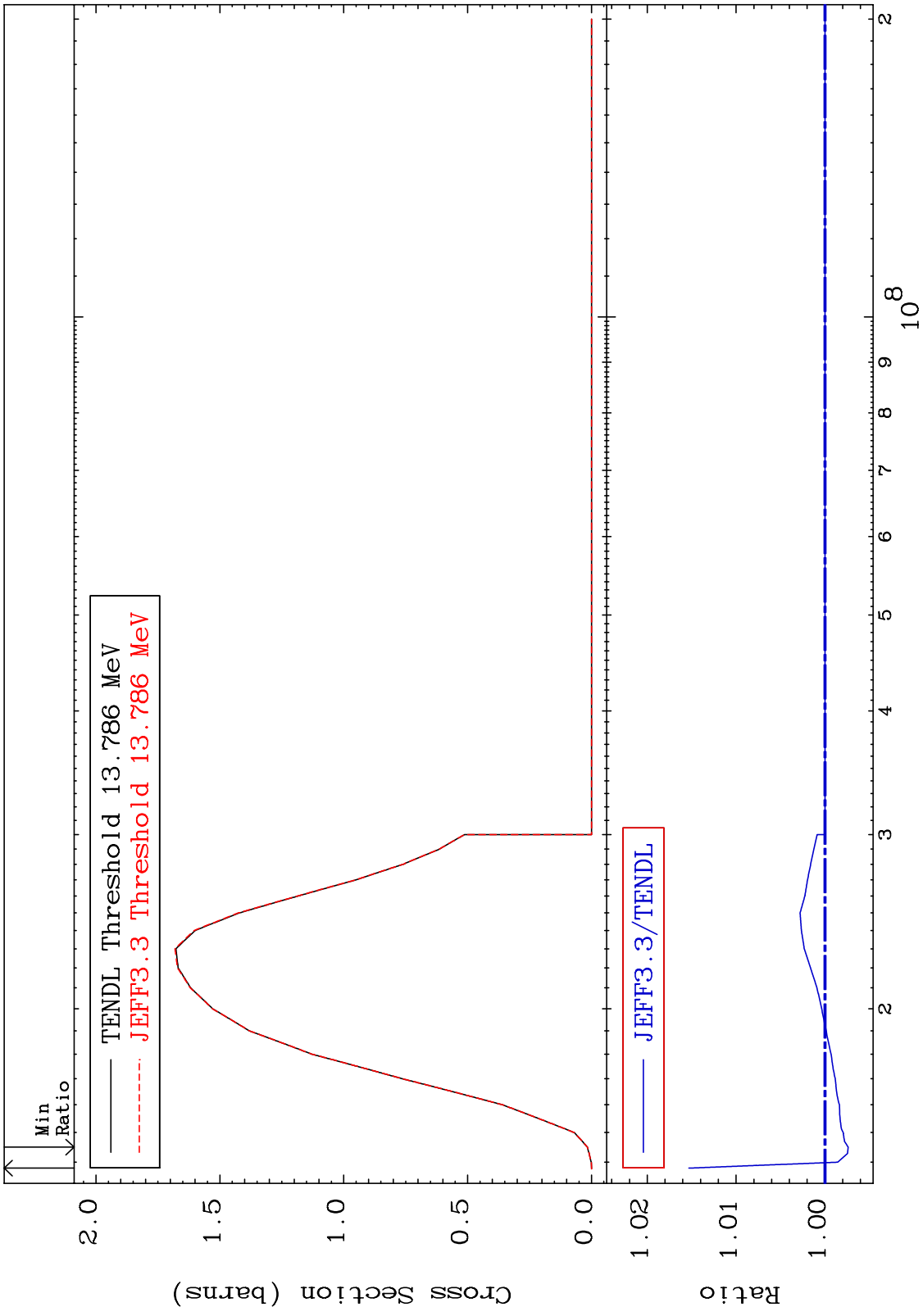


MAT 7643 (n,2n) Cross Section 76-0s-190 -0.514 To 0.032 %



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

MAT 7643 (n,3n) Cross Section 76-Os-190  
 -0.261 To 1.533 %



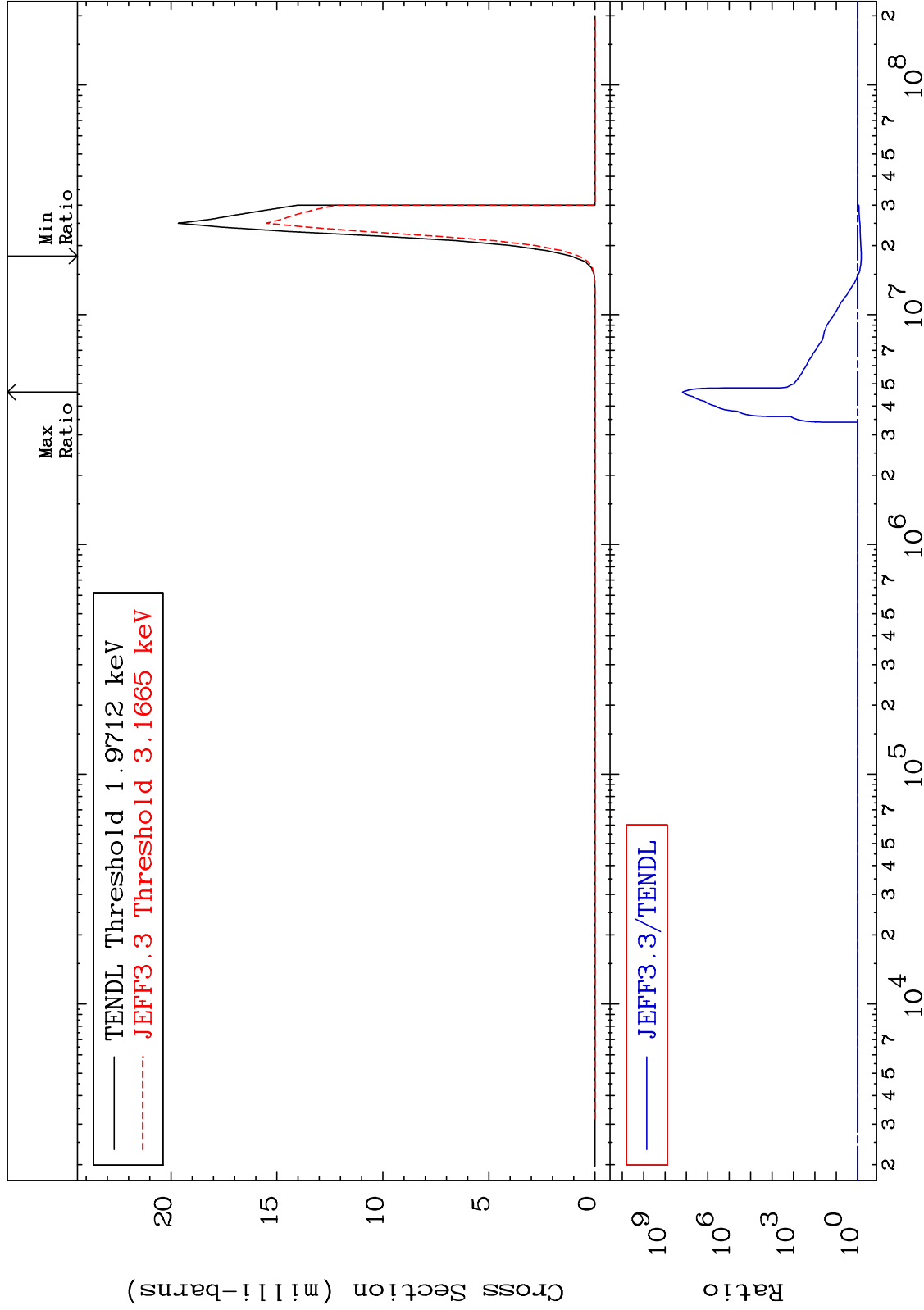
MAT 7643

(n, n')  $\alpha$

76-Os-190

Cross Section

-32.69 To 9999. %



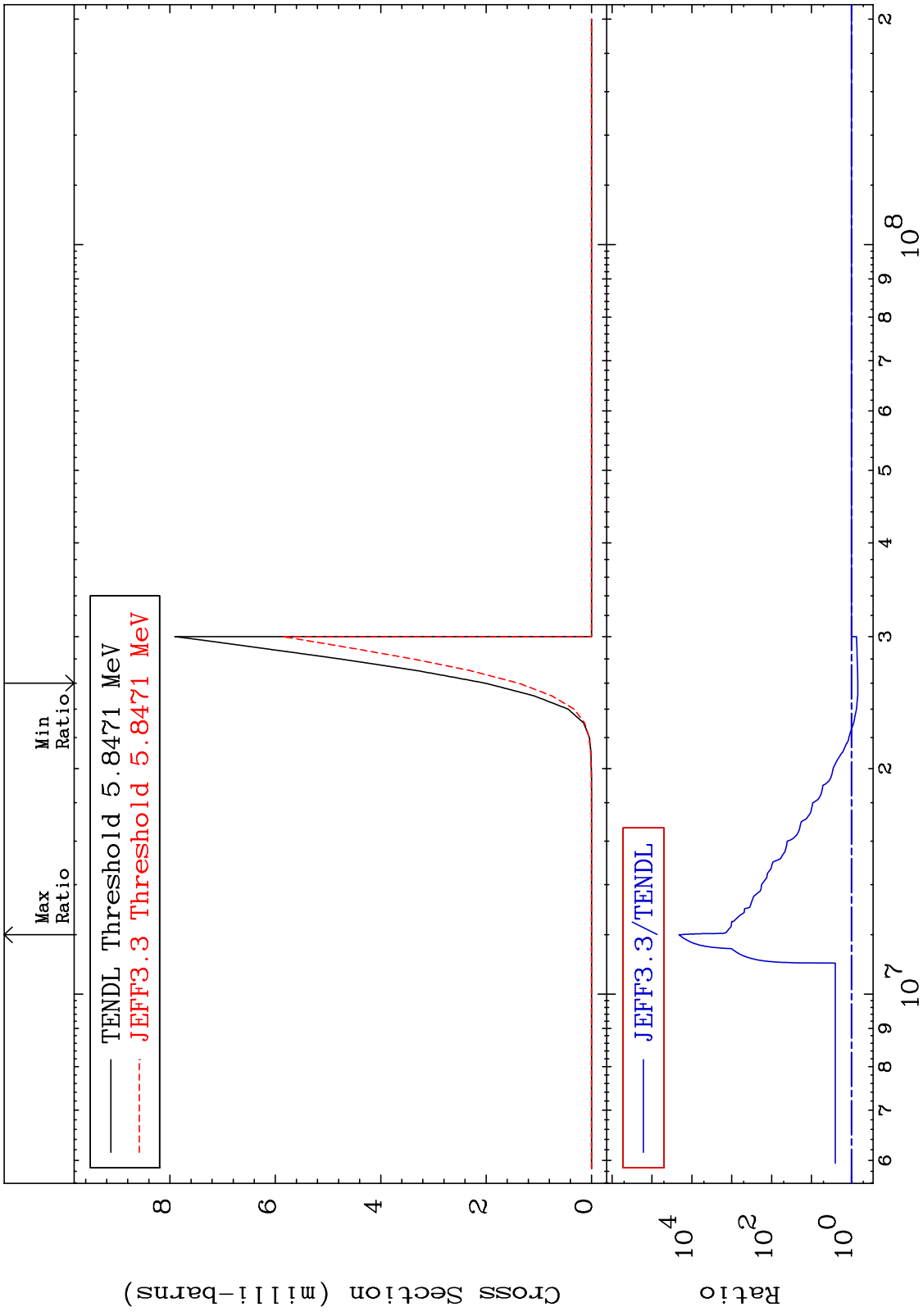
7

Incident Energy (eV)

76-Os-190

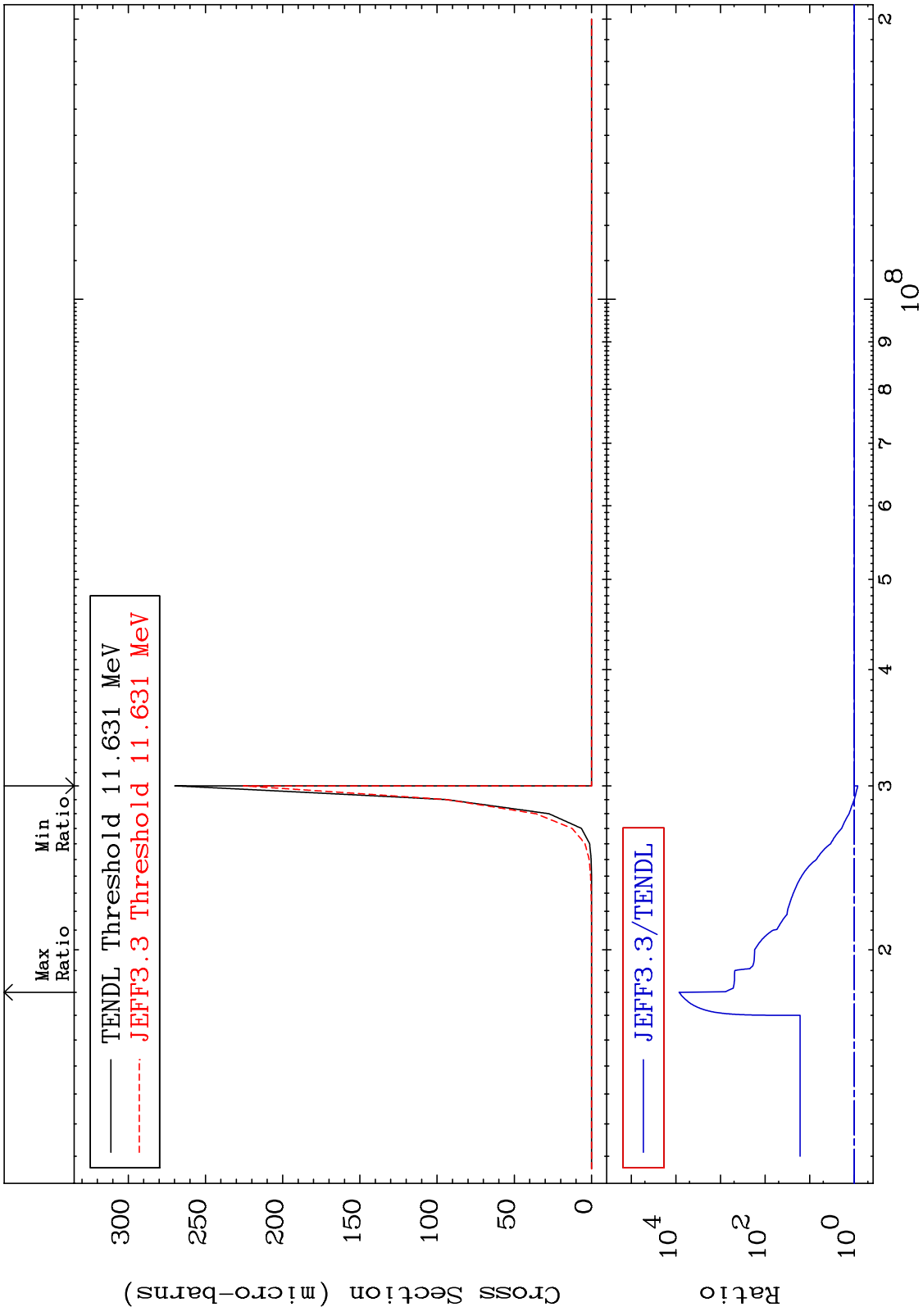


MAT 7643 (n,2n)  $\alpha$  76-0s-190  
 Cross Section -31.25 To 9999. %

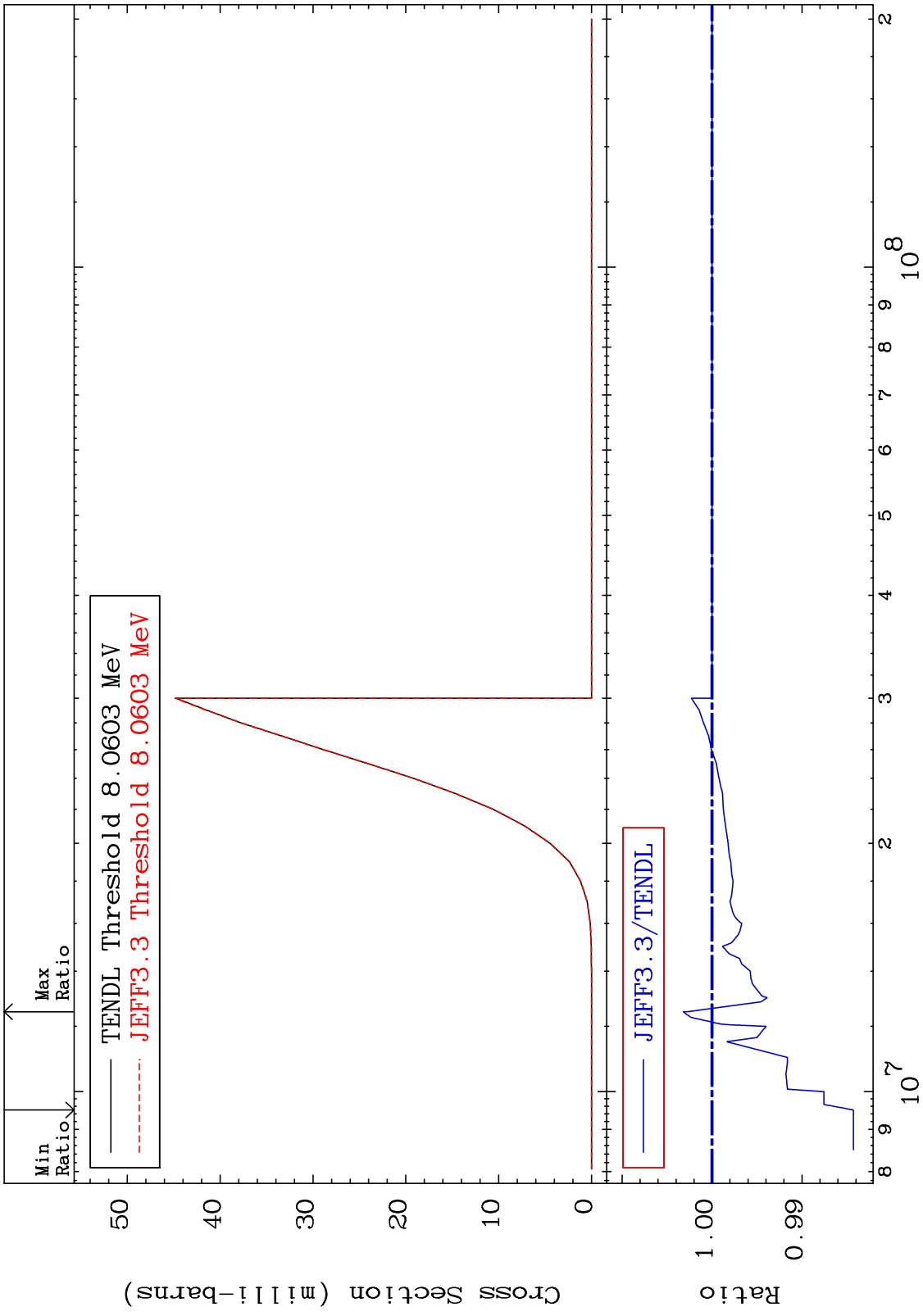


8 Incident Energy (eV) 76-0s-190

MAT 7643 (n,3n)  $\alpha$  76-Os-190  
 Cross Section -16.46 To 9999. %

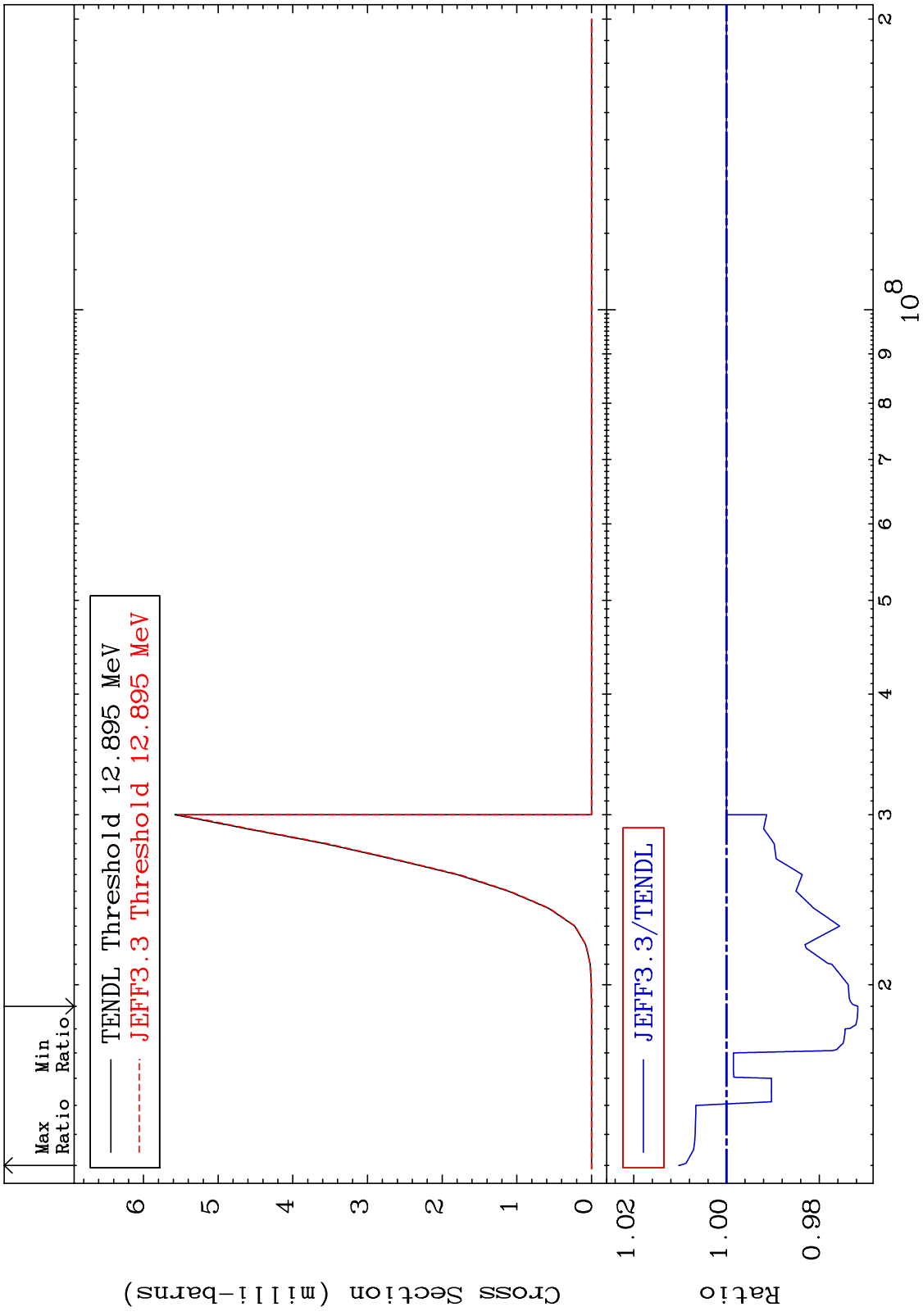


MAT 7643 (n,n') p 76-0s-190  
Cross Section -1.572 To 0.318 %

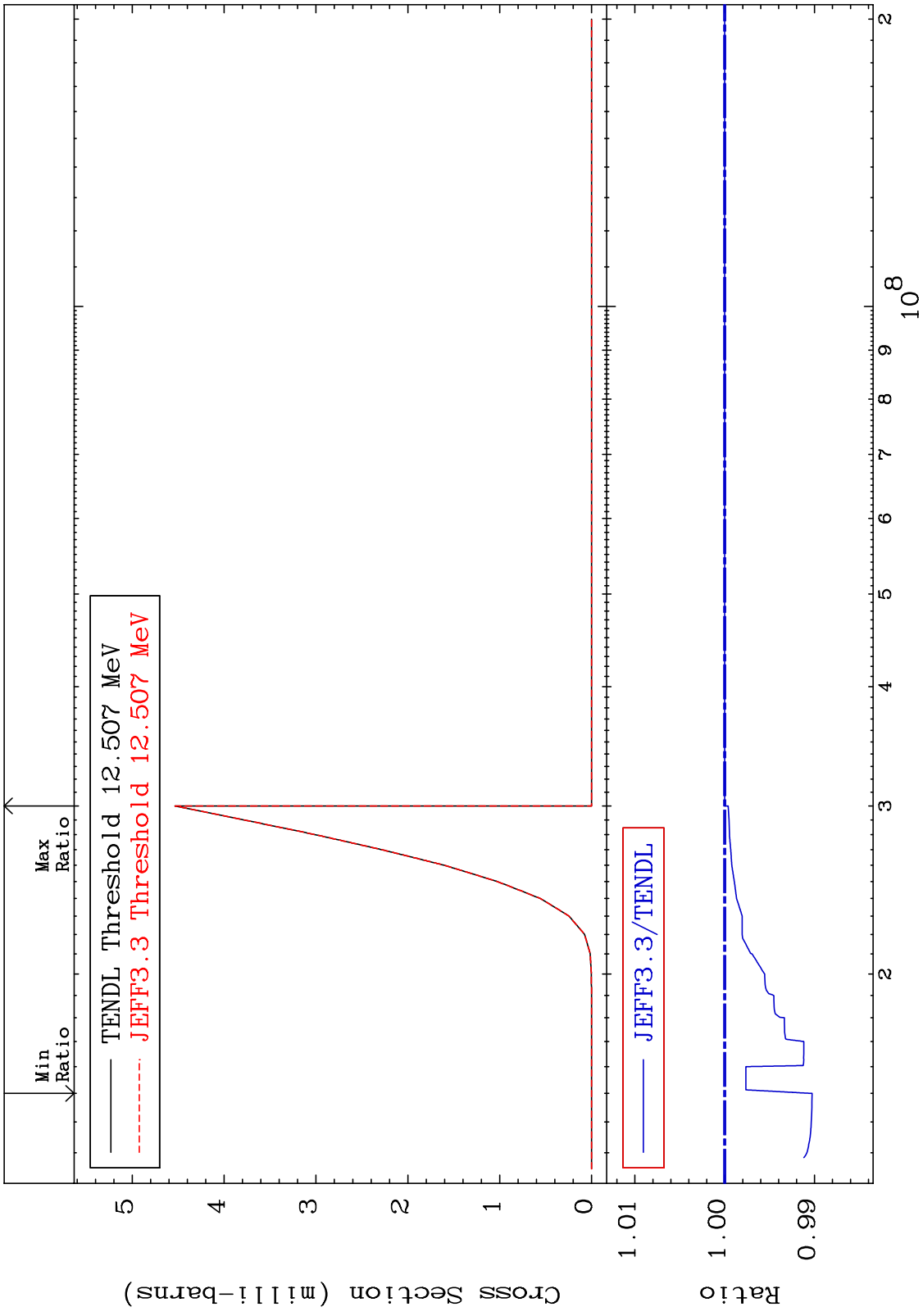


10 0.99 1.00 Ratio Incident Energy (eV) 76-0s-190

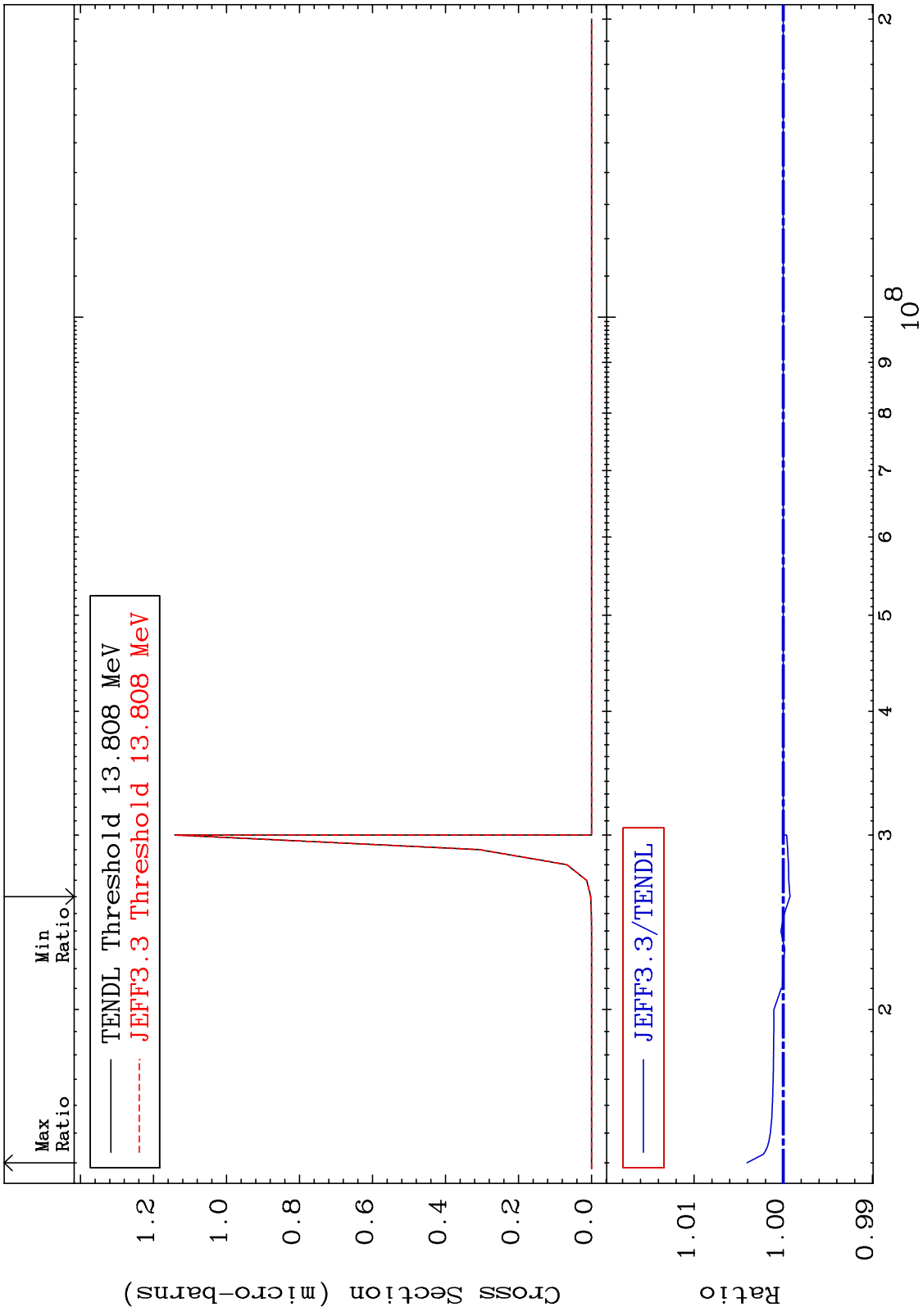
MAT 7643 (n,n') d 76-0s-190  
 Cross Section -2.831 To 1.023 %



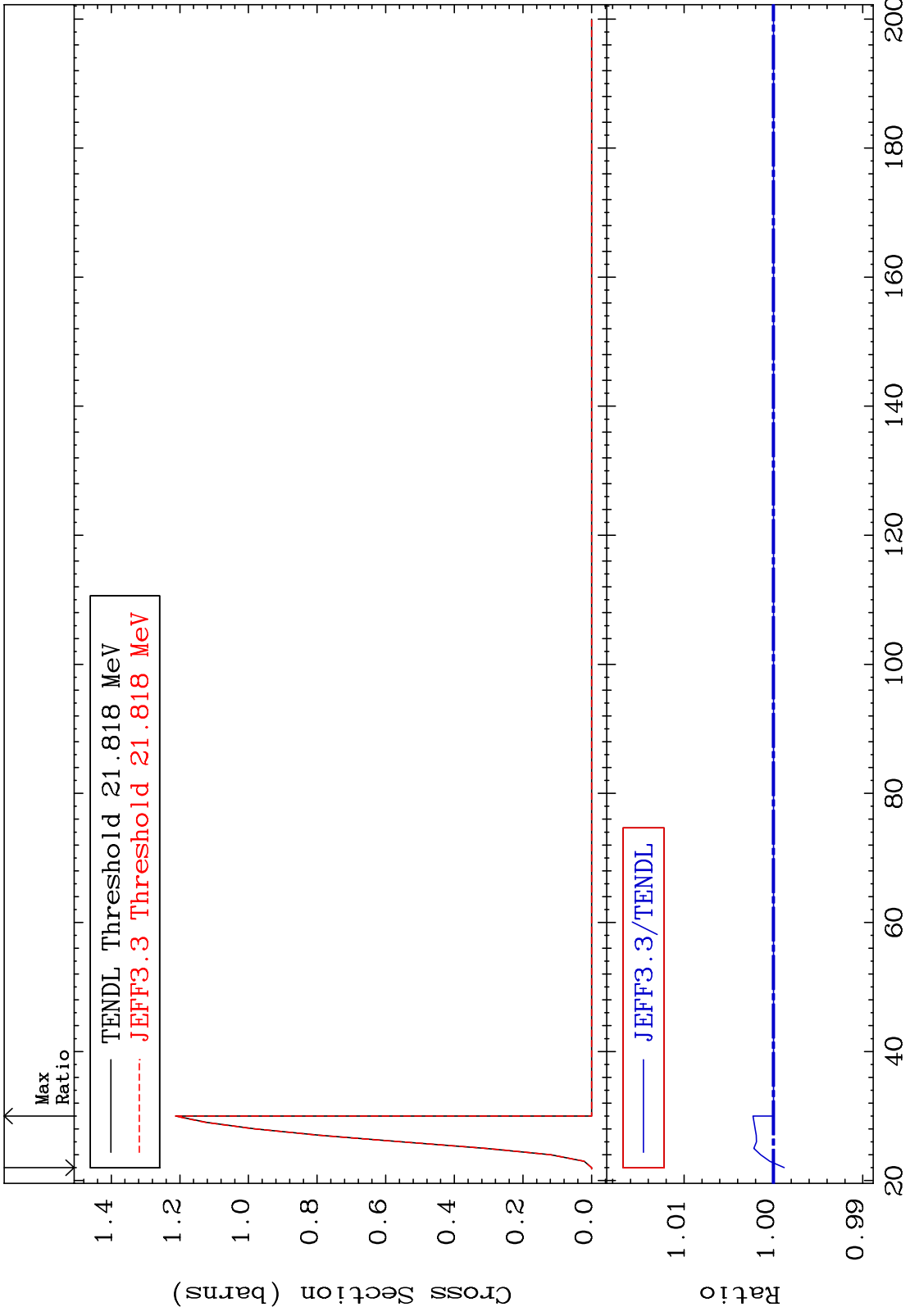
MAT 7643 (n, n') t 76-0s-190  
 Cross Section -0.973 To 0.000 %



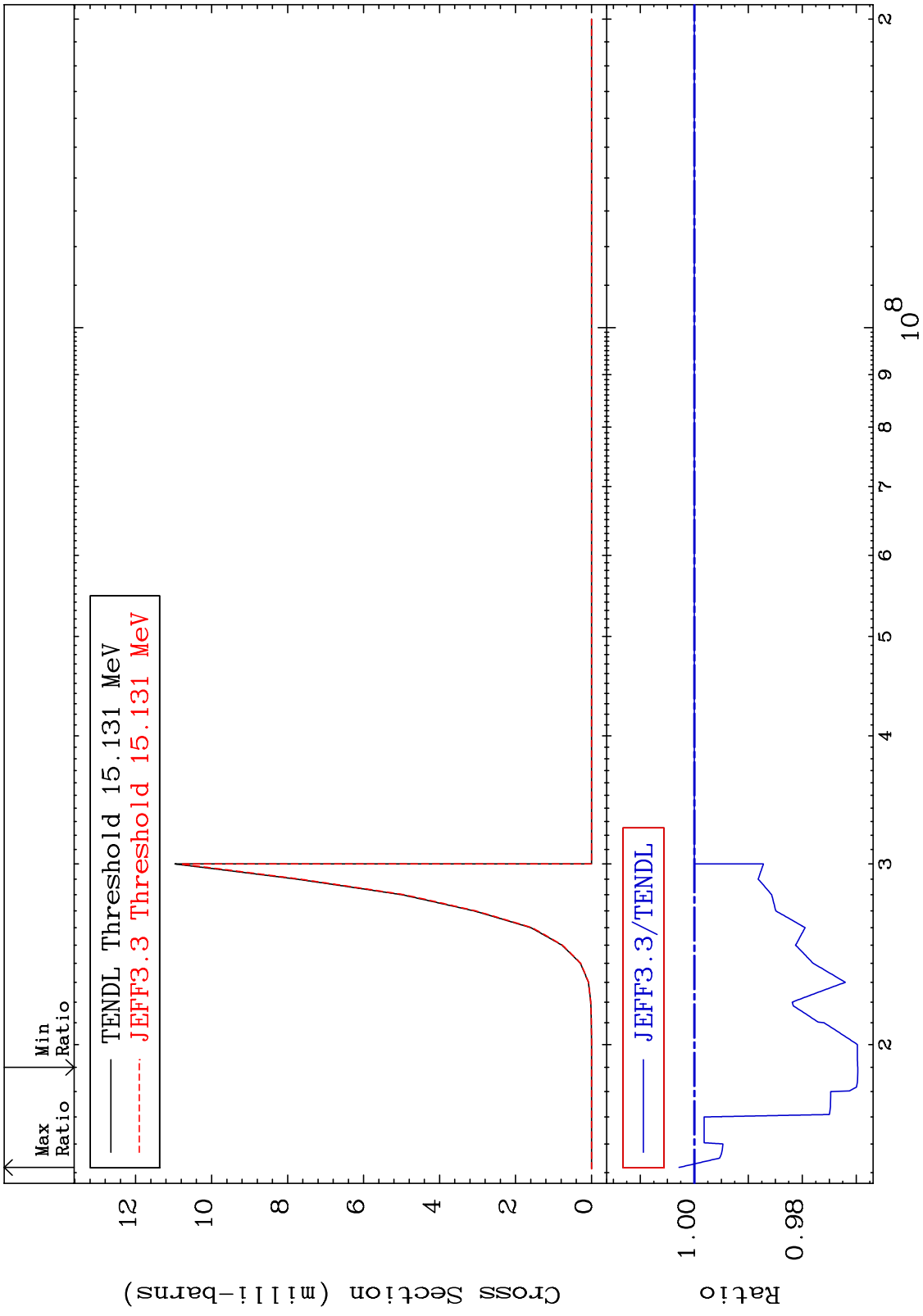
MAT 7643 (n, n') He-3 76-0s-190  
 Cross Section -0.075 To 0.408 %



MAT 7643 (n,4n) Cross Section 76-0s-190  
 -0.120 To 0.229 %

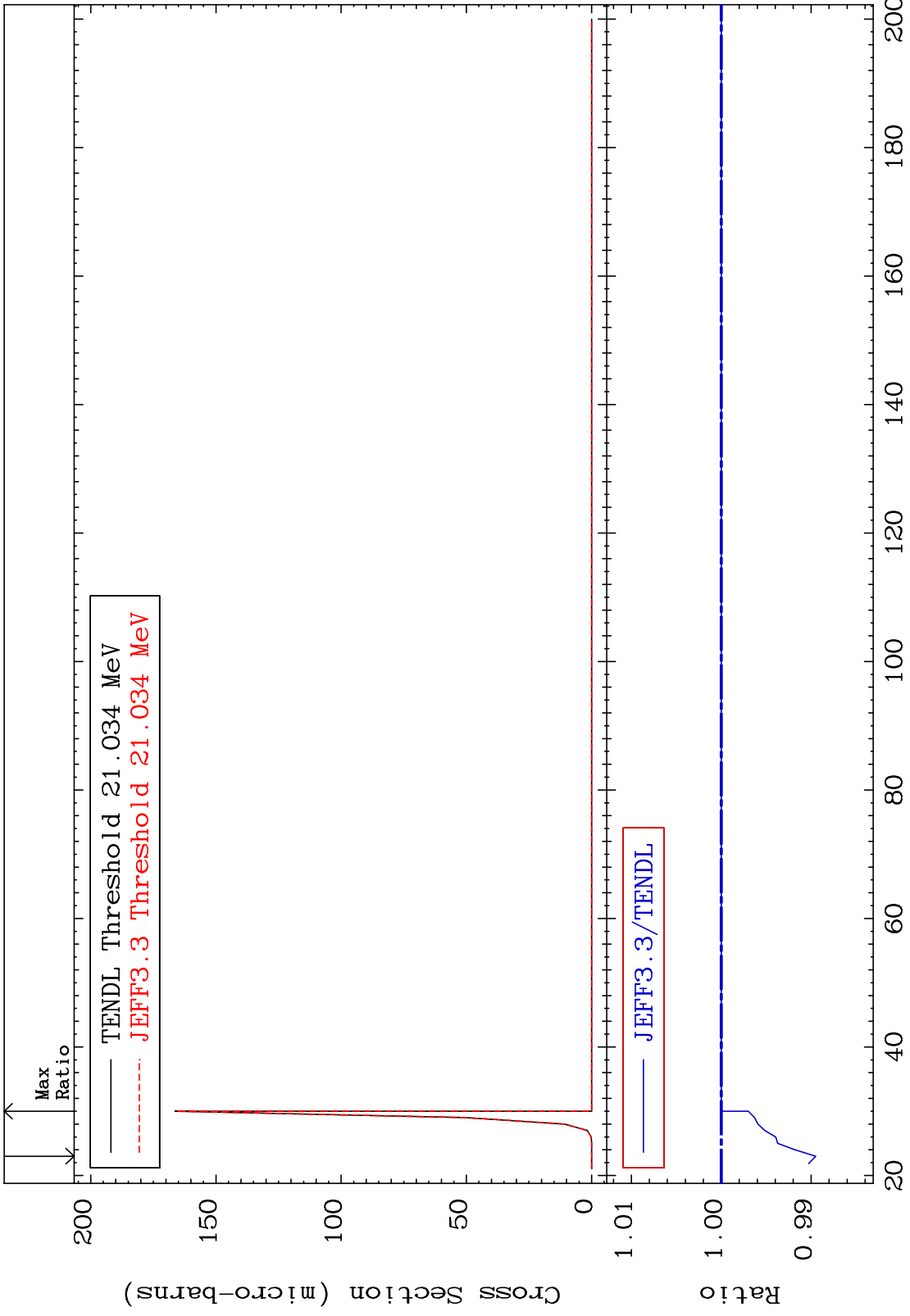


MAT 7643 (n,2n) p 76-0s-190  
 Cross Section -3.029 To 0.283 %



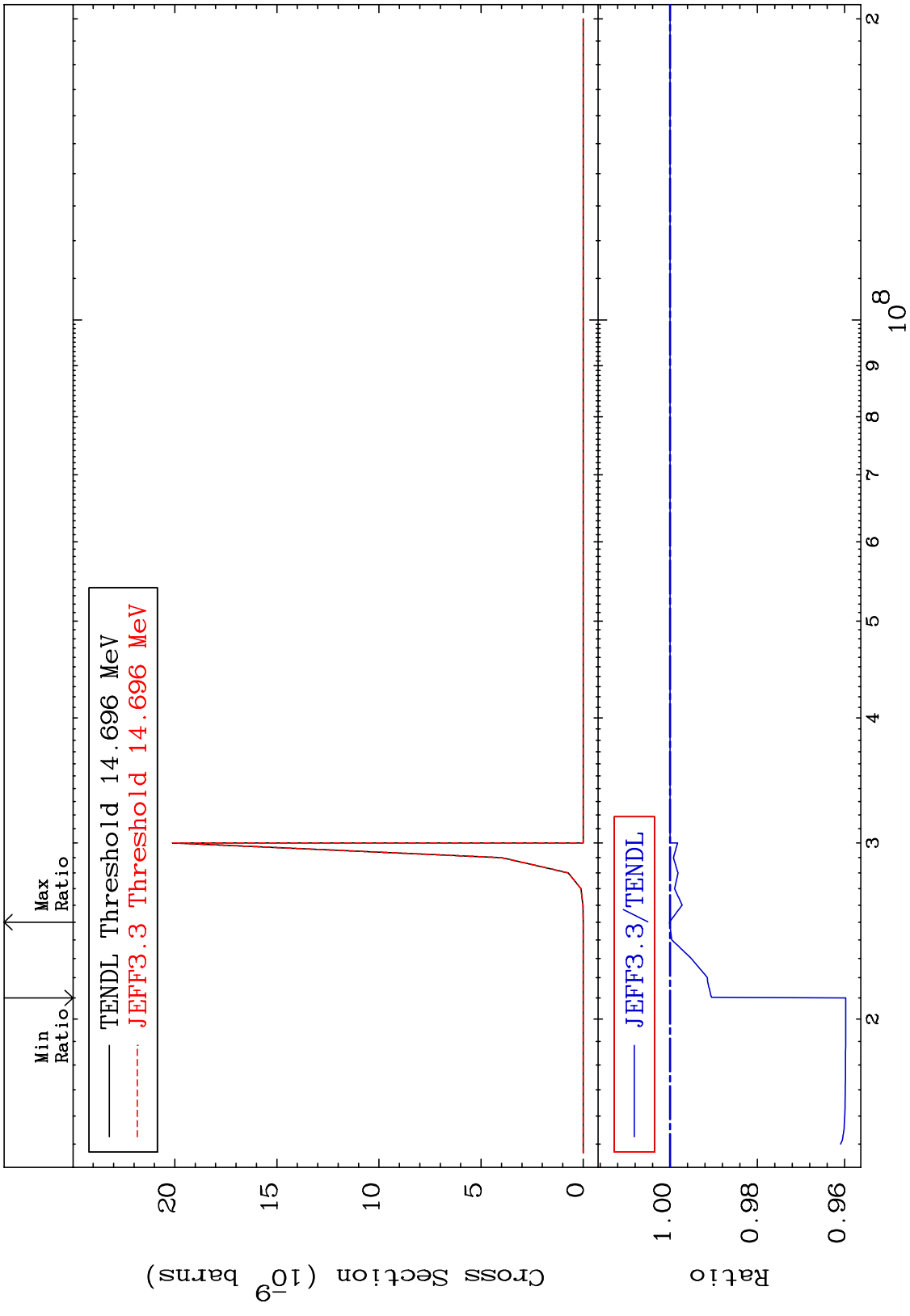


MAT 7643 (n,3n) p 76-Os-190  
 Cross Section -1.052 To 0.000 %

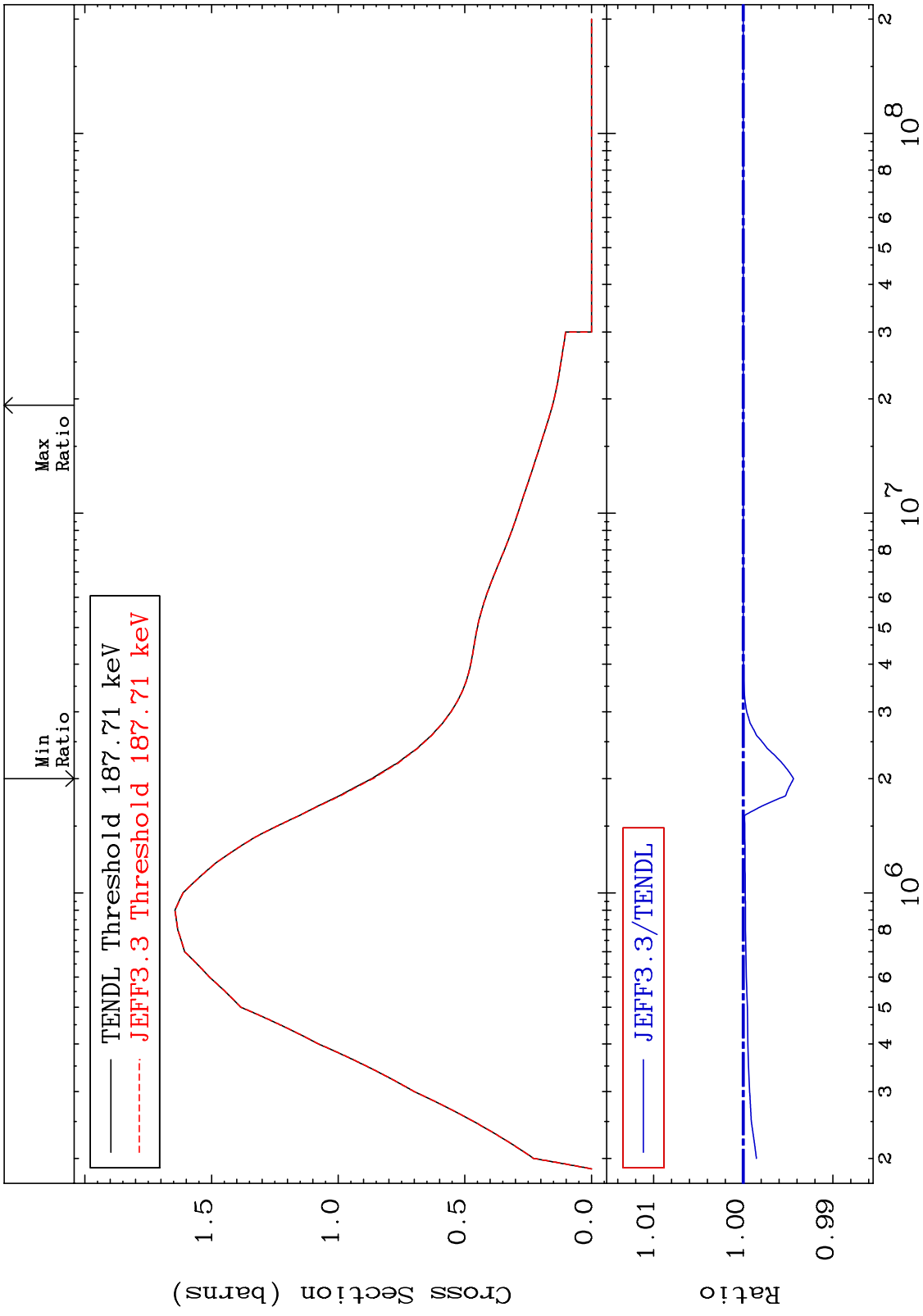


16 76-Os-190

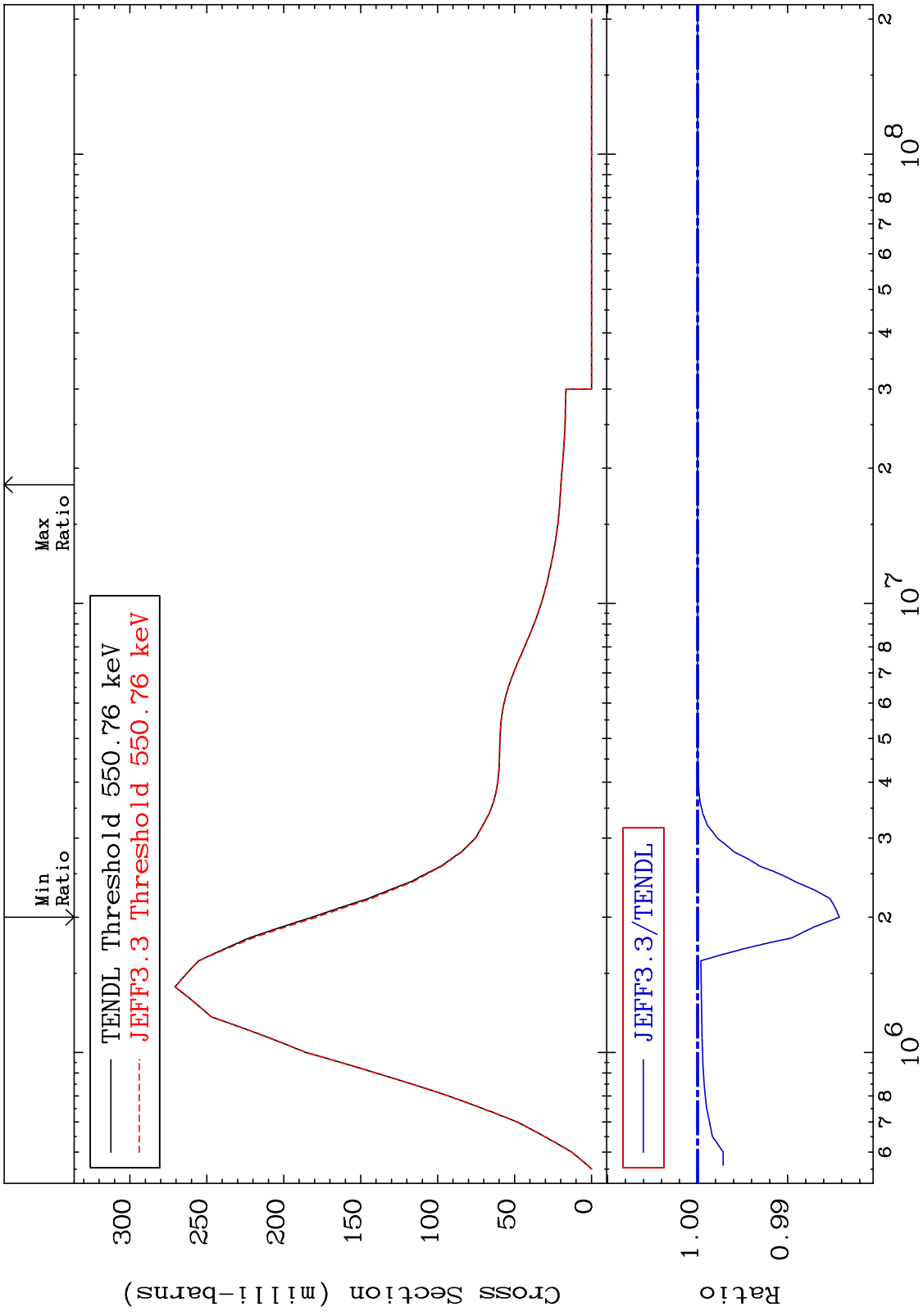
MAT 7643 (n,2n) p 76-0s-190  
 Cross Section -4.024 To 0.014 %



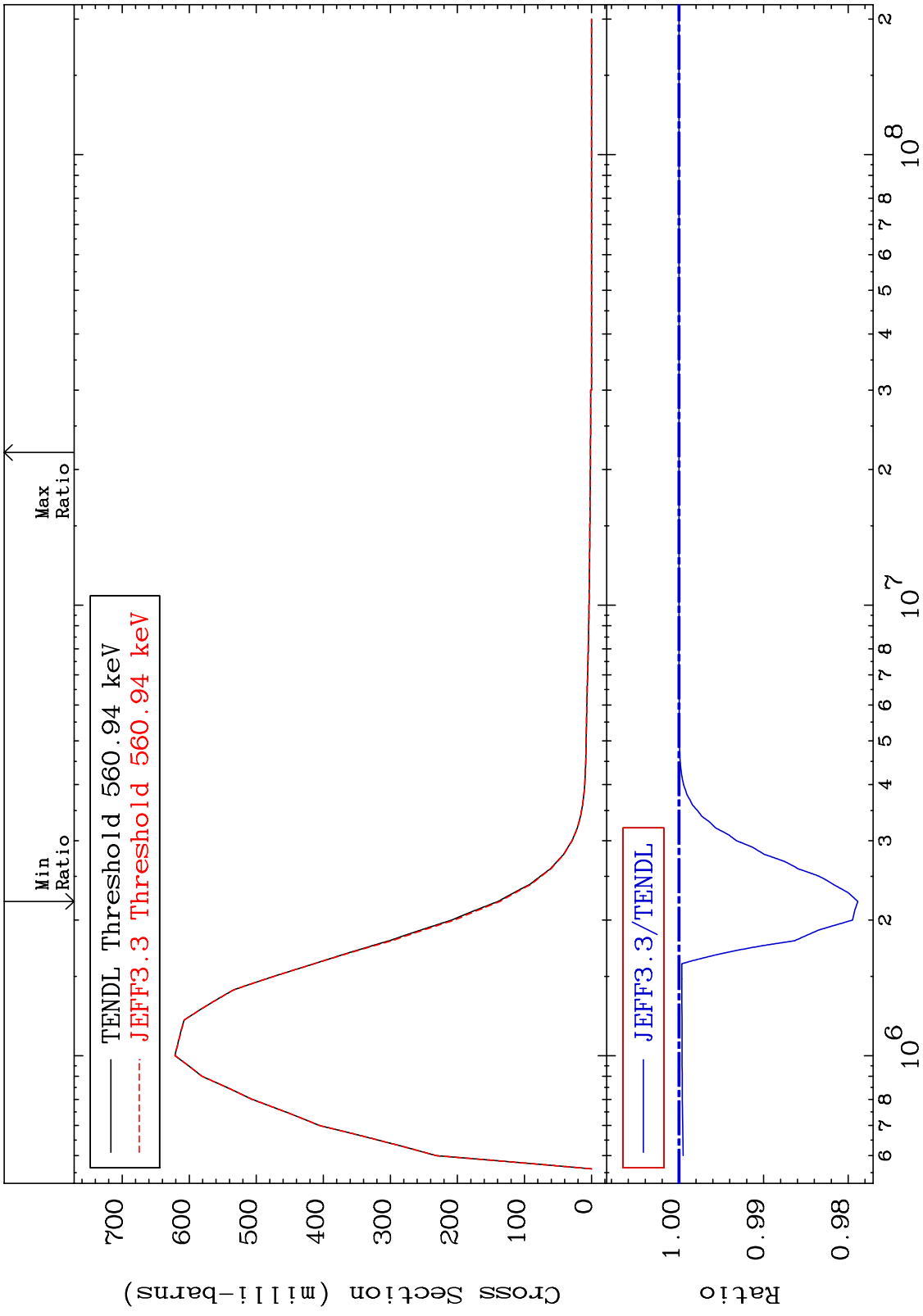
MAT 7643 MT= 51 (n,n') Level Cross Section 76-0s-190  
 -0.562 To 0.000 %



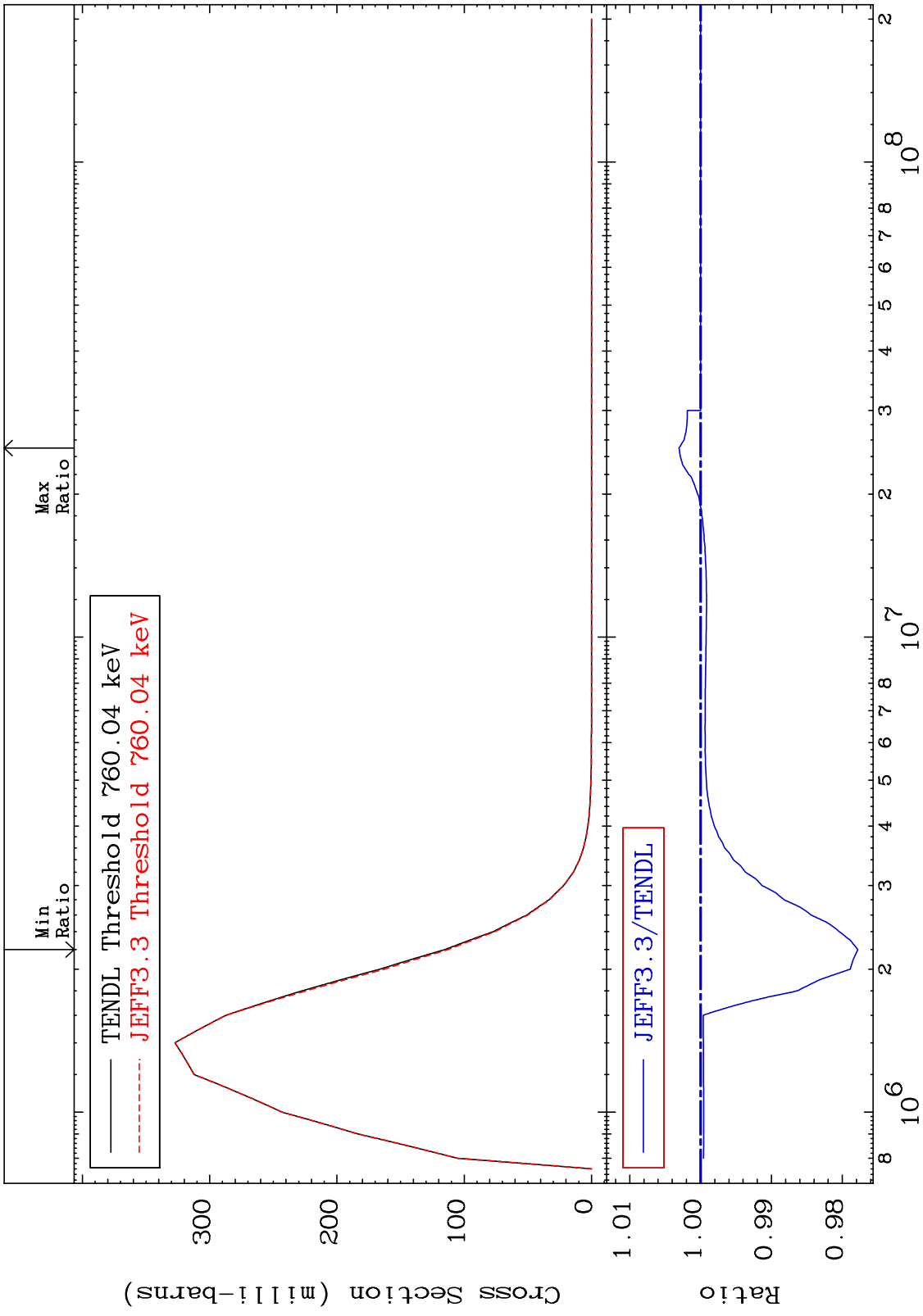
MAT 7643 MT= 52 (n,n') Level Cross Section -1.574 To 0.000 % 76-0s-190



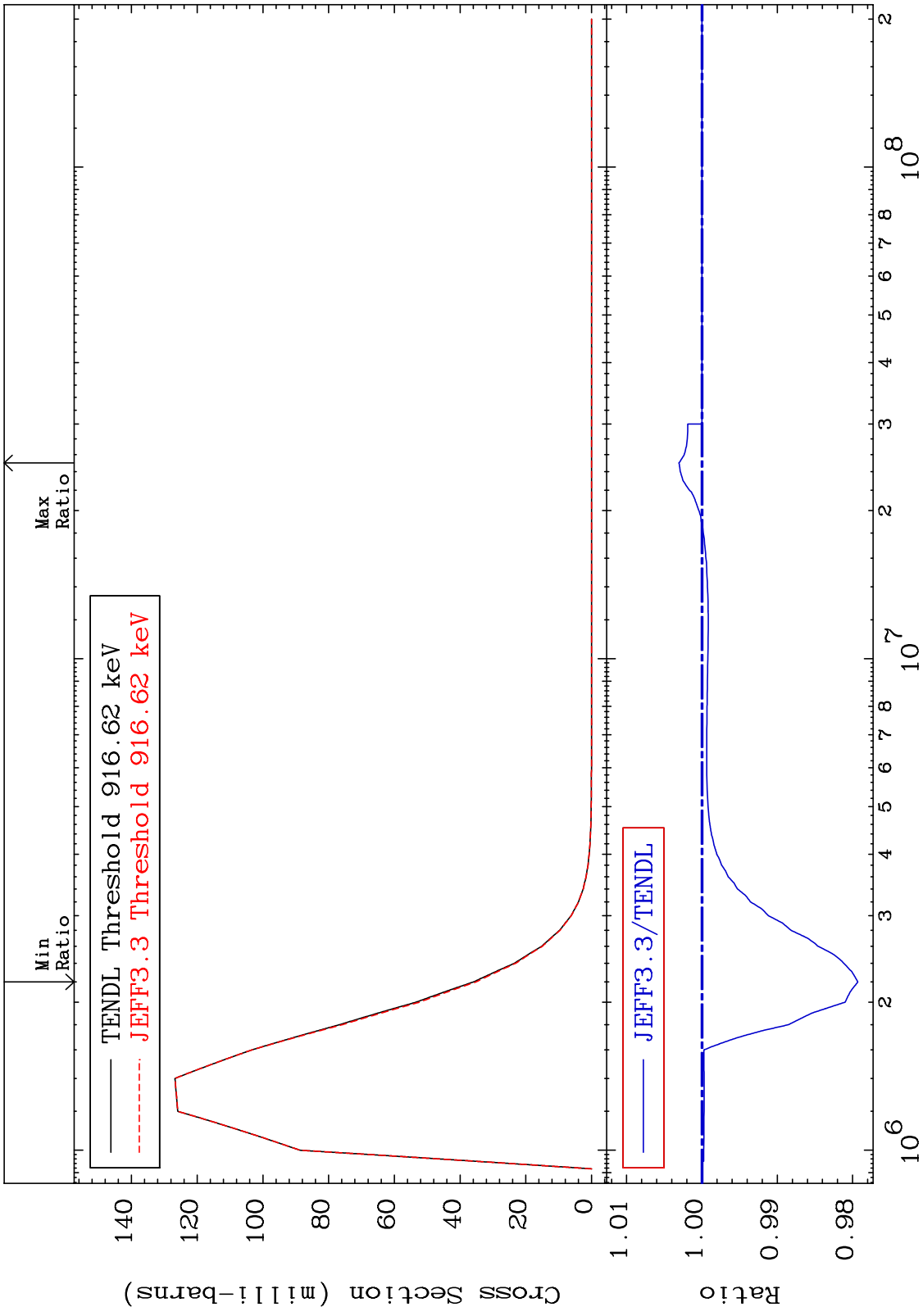
MAT 7643 MT= 53 (n,n') Level Cross Section 76-0s-190  
 -2.114 To 0.000 %



MAT 7643 MT= 54 (n,n') Level Cross Section 76-0s-190  
 -2.219 To 0.304 %

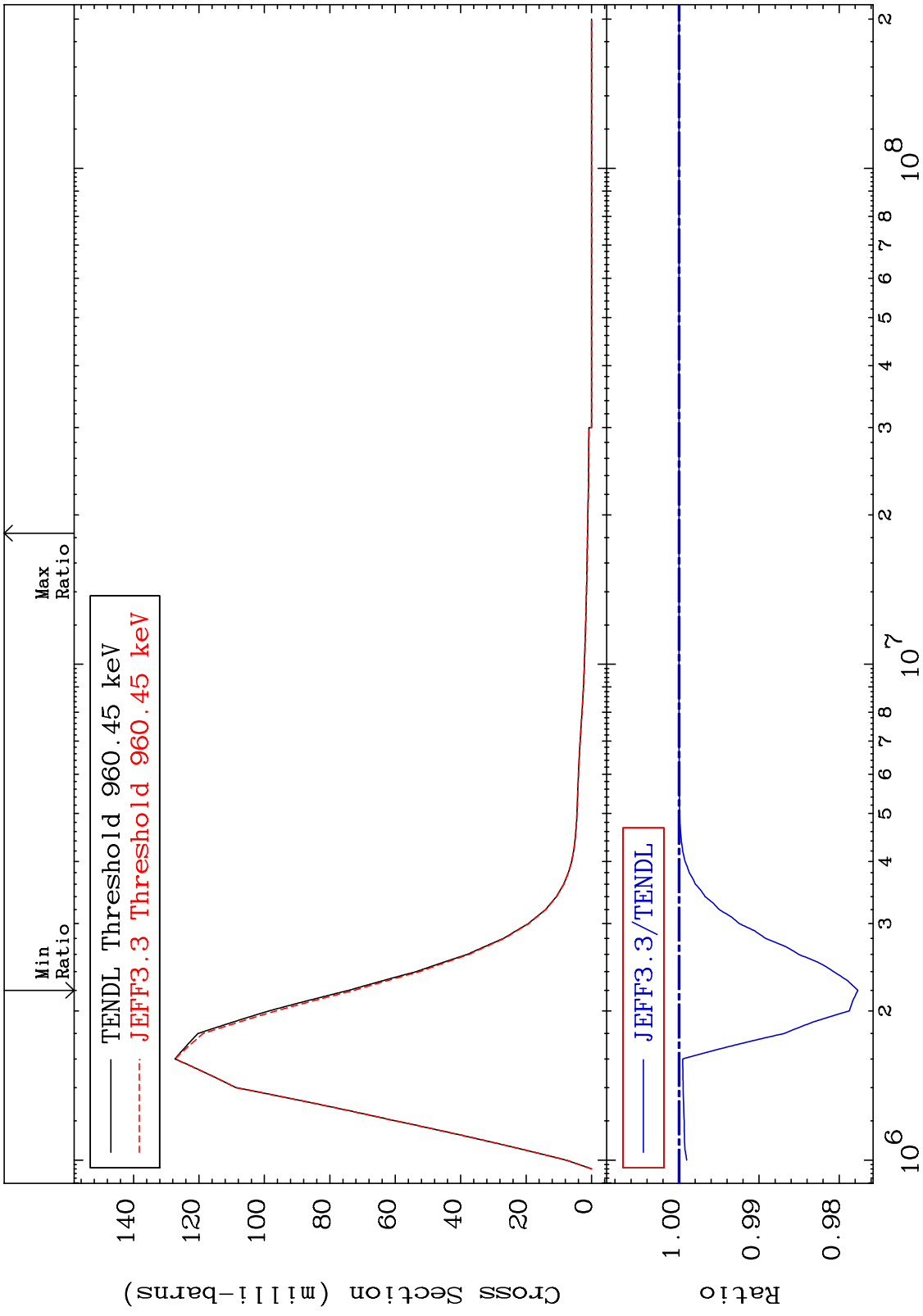


MAT 7643 MT= 55 (n,n') Level Cross Section 76-Os-190  
 -2.069 To 0.304 %



76-Os-190

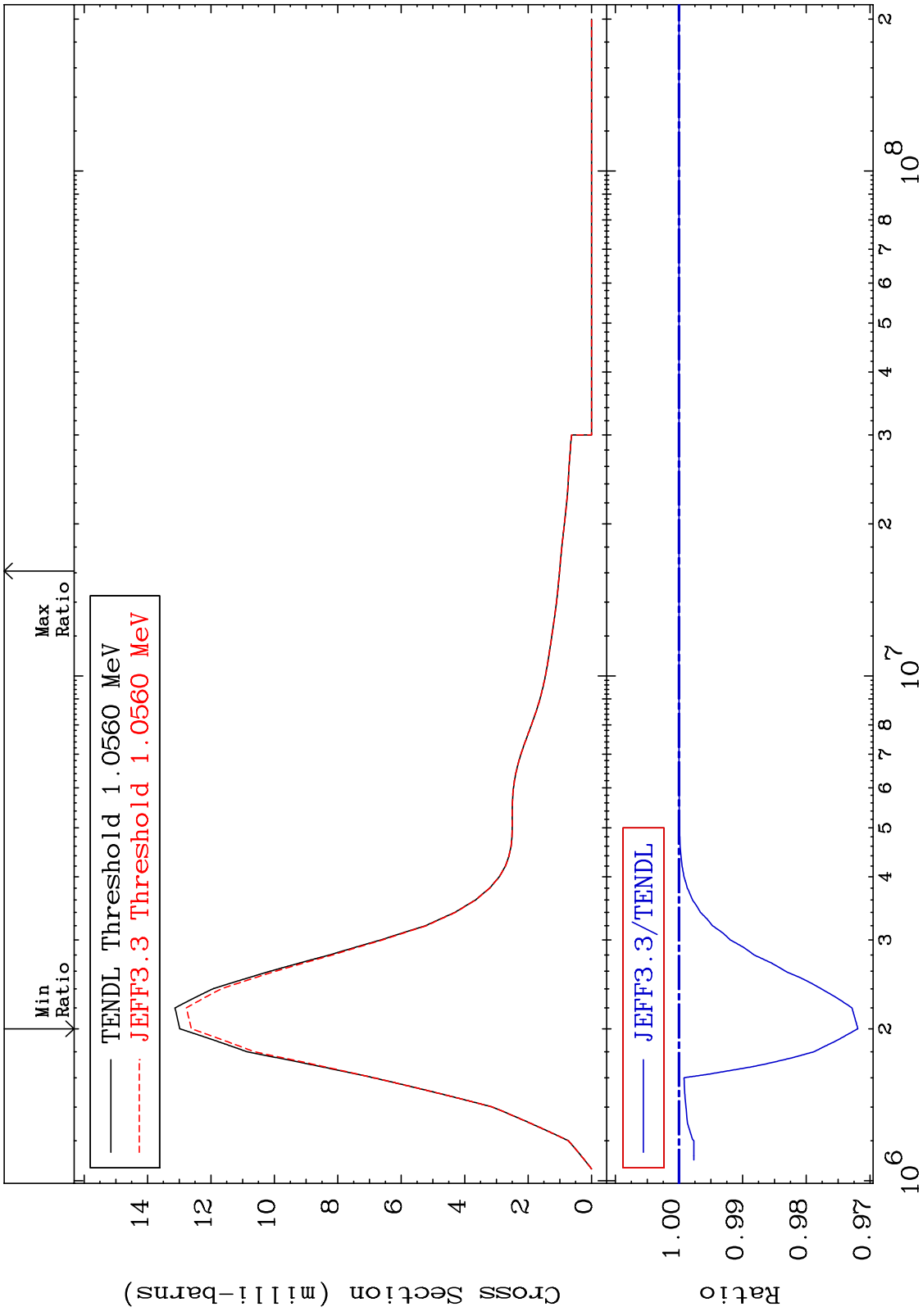
MAT 7643 MT= 56 (n,n') Level Cross Section 76-0s-190  
-2.234 To 0.000 %



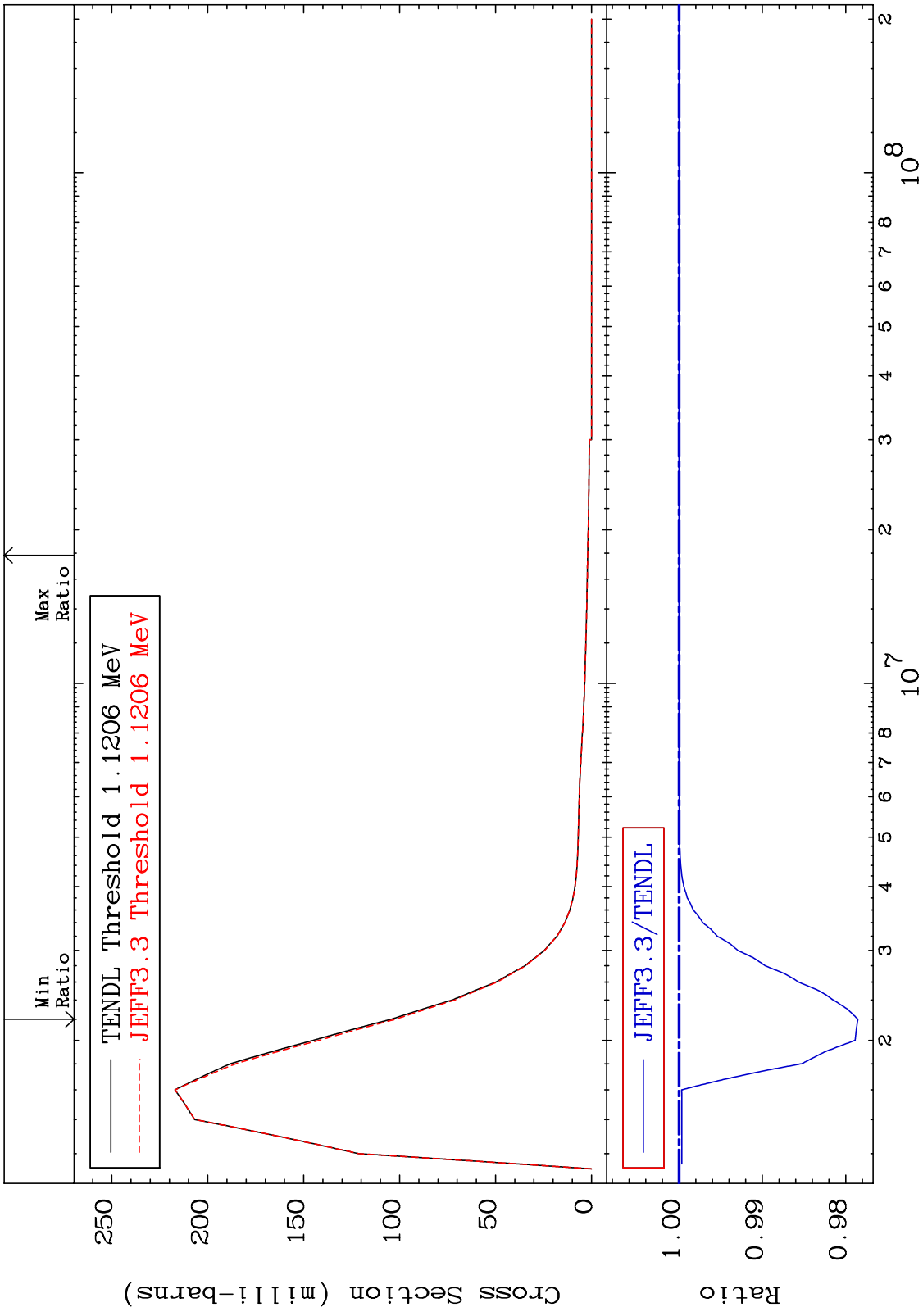
Incident Energy (eV) 76-0s-190



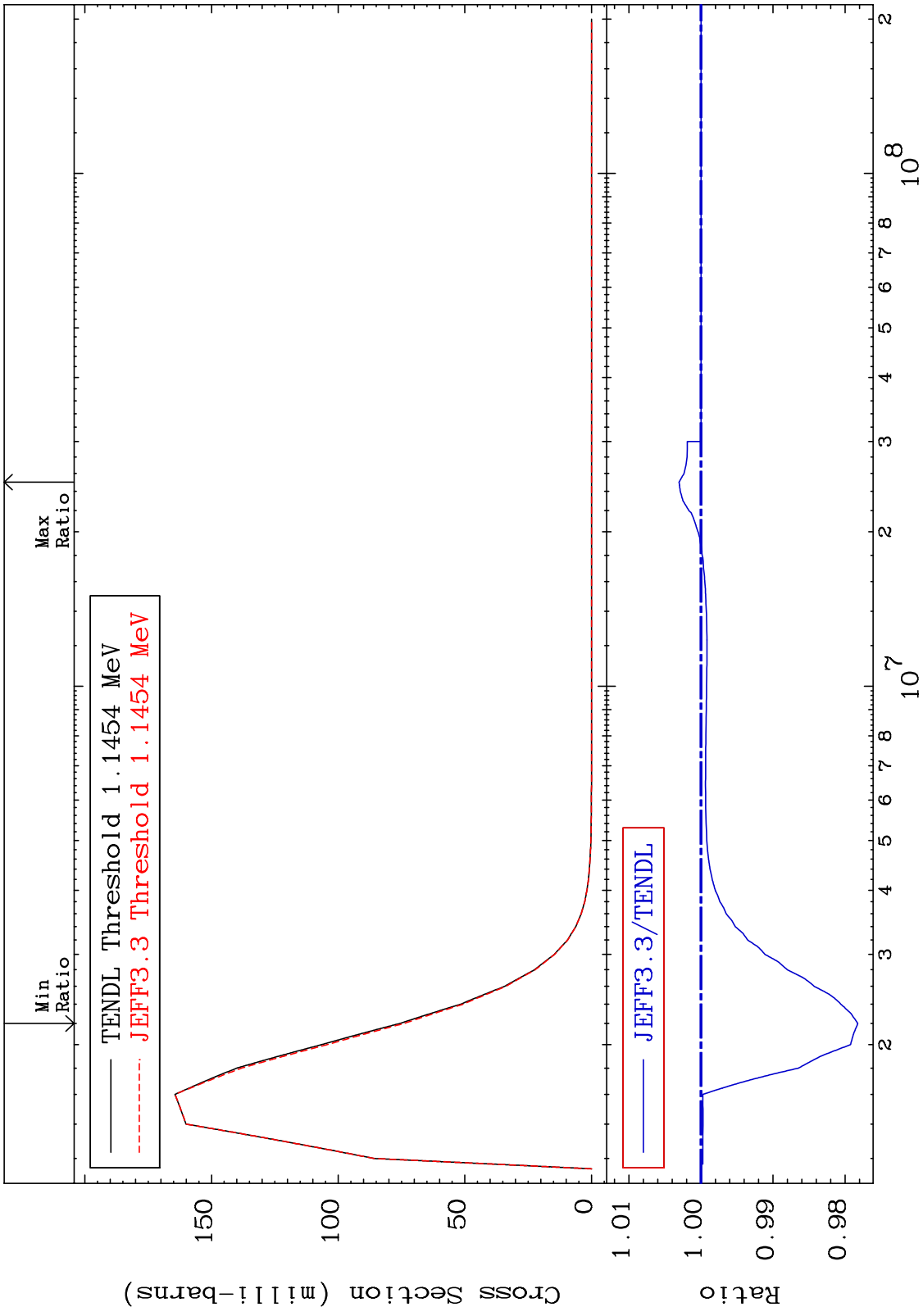
MAT 7643 MT= 57 (n,n') Level Cross Section 76-0s-190  
 -2.810 To 0.000 %



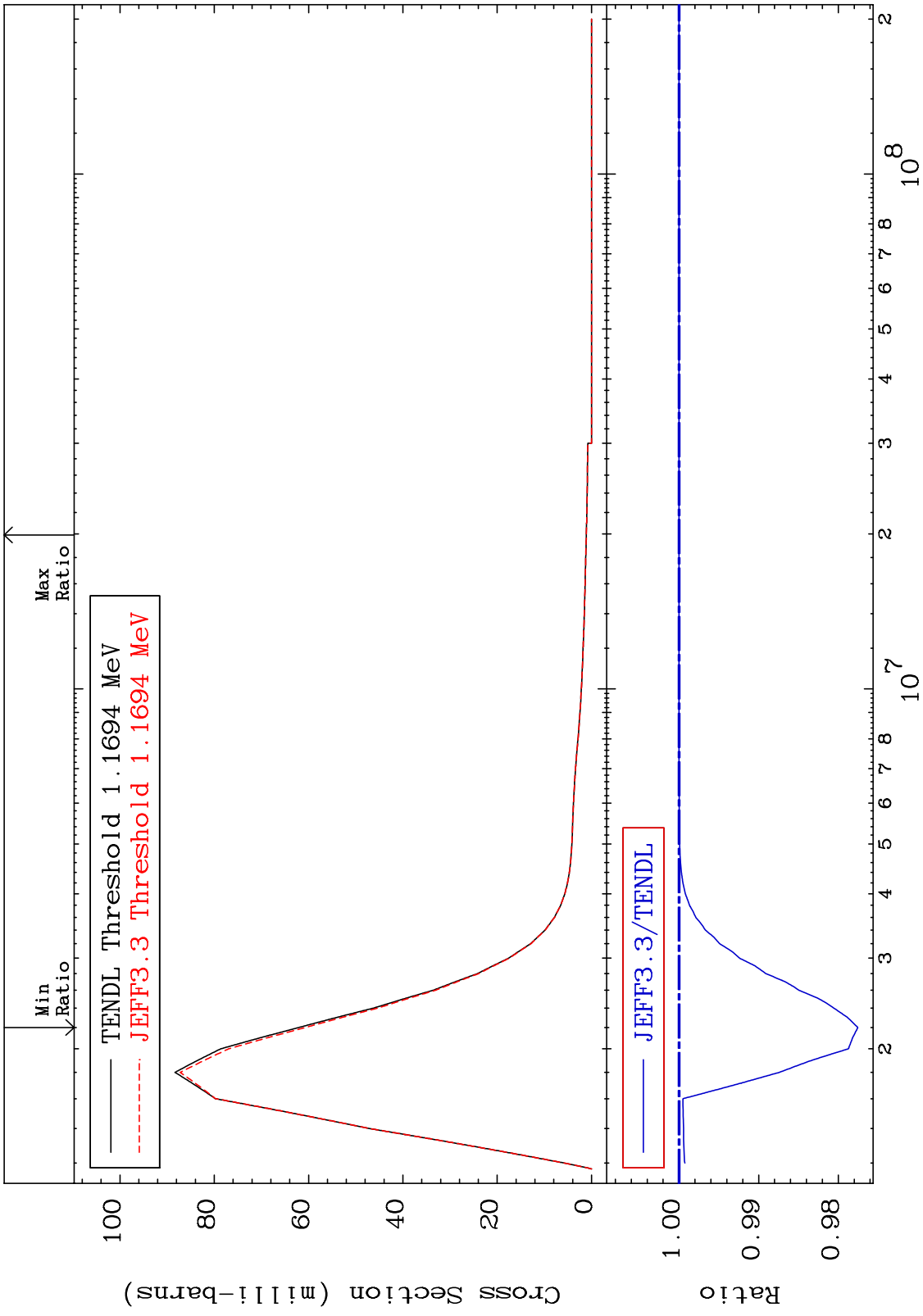
MAT 7643 MT= 58 (n,n') Level Cross Section 76-0s-190  
 -2.146 To 0.000 %



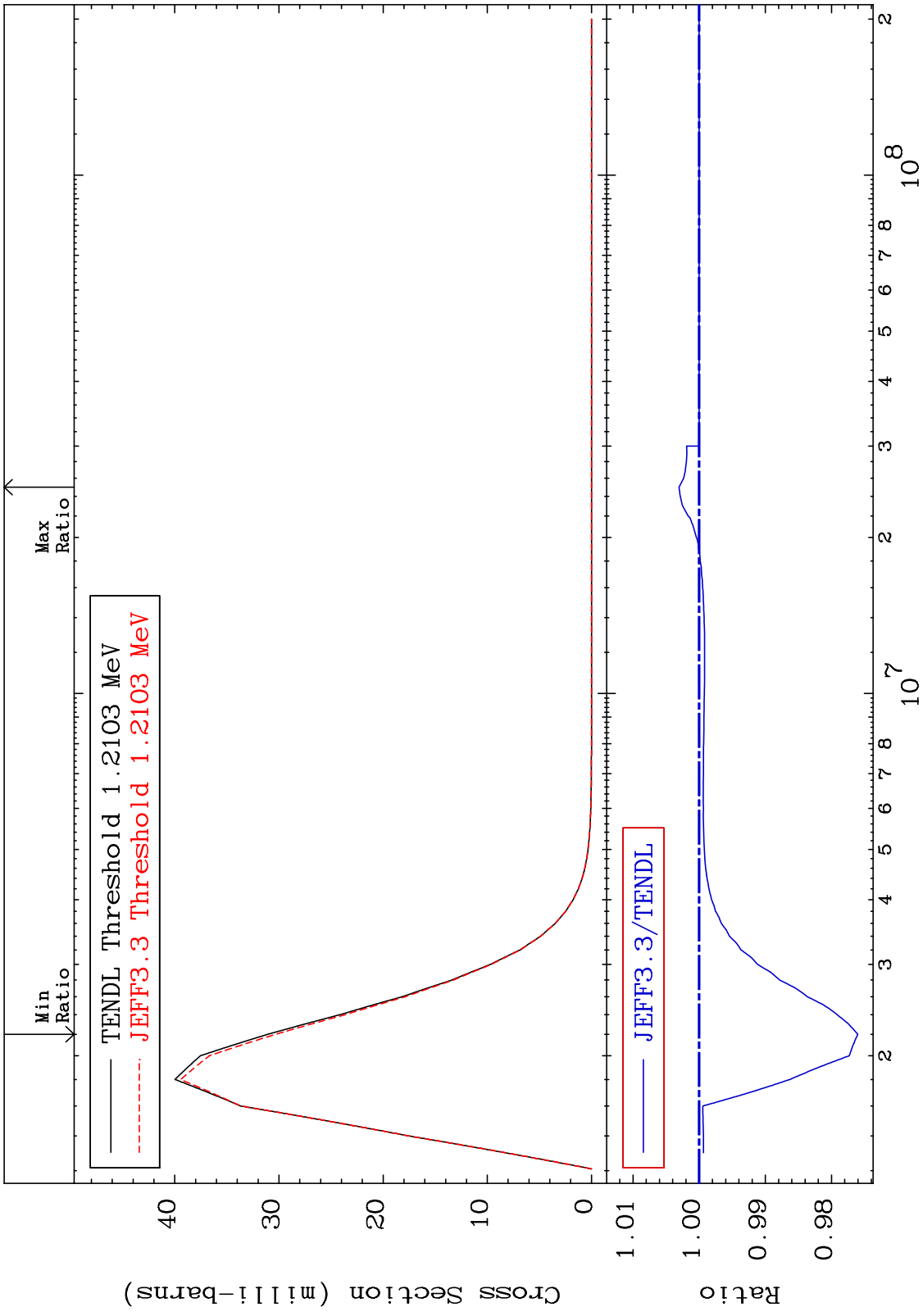
MAT 7643 MT= 59 (n, n') Level Cross Section 76-0s-190  
 -2.176 To 0.304 %



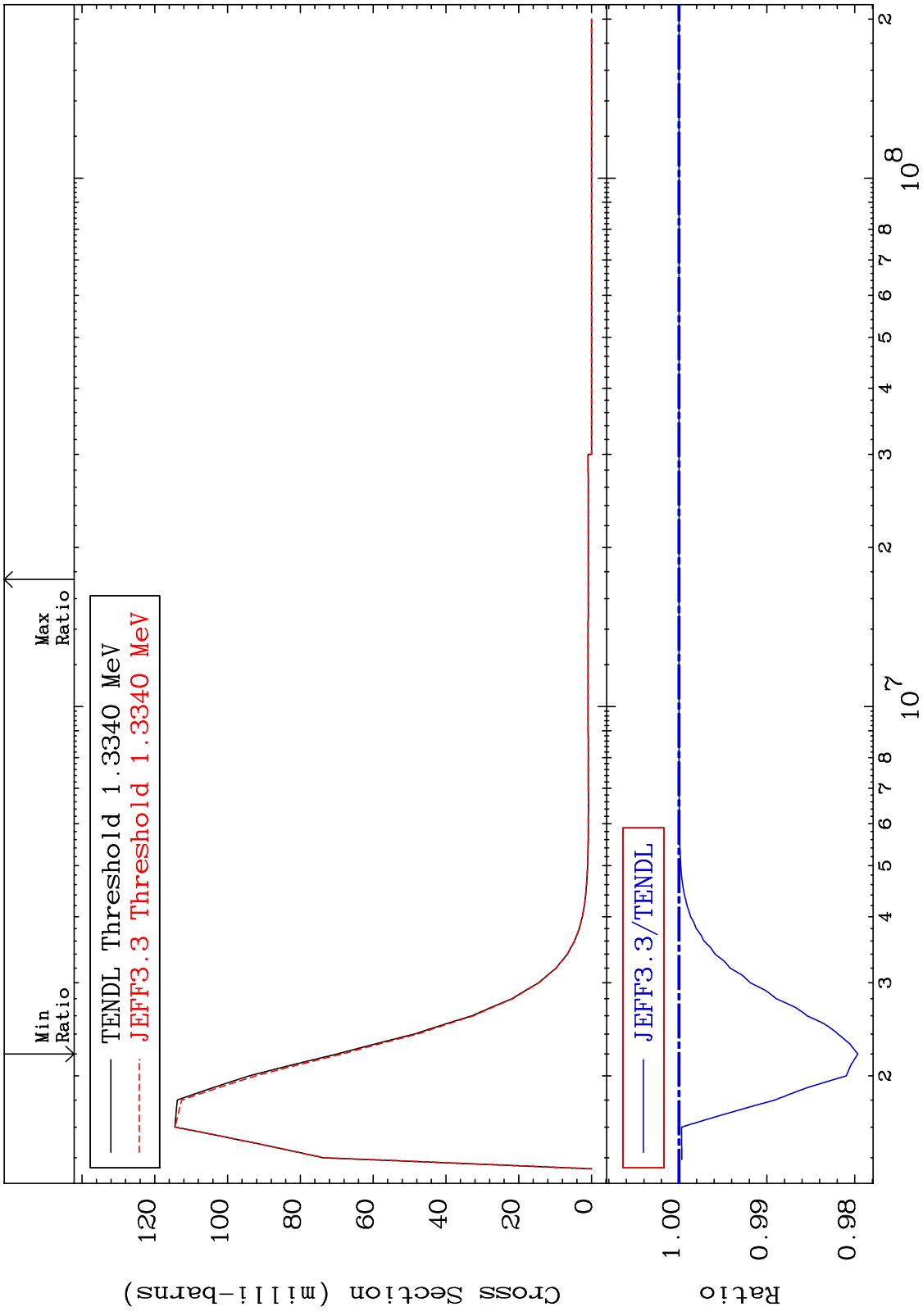
MAT 7643 MT= 60 (n,n') Level Cross Section 76-0s-190  
 -2.246 To 0.000 %



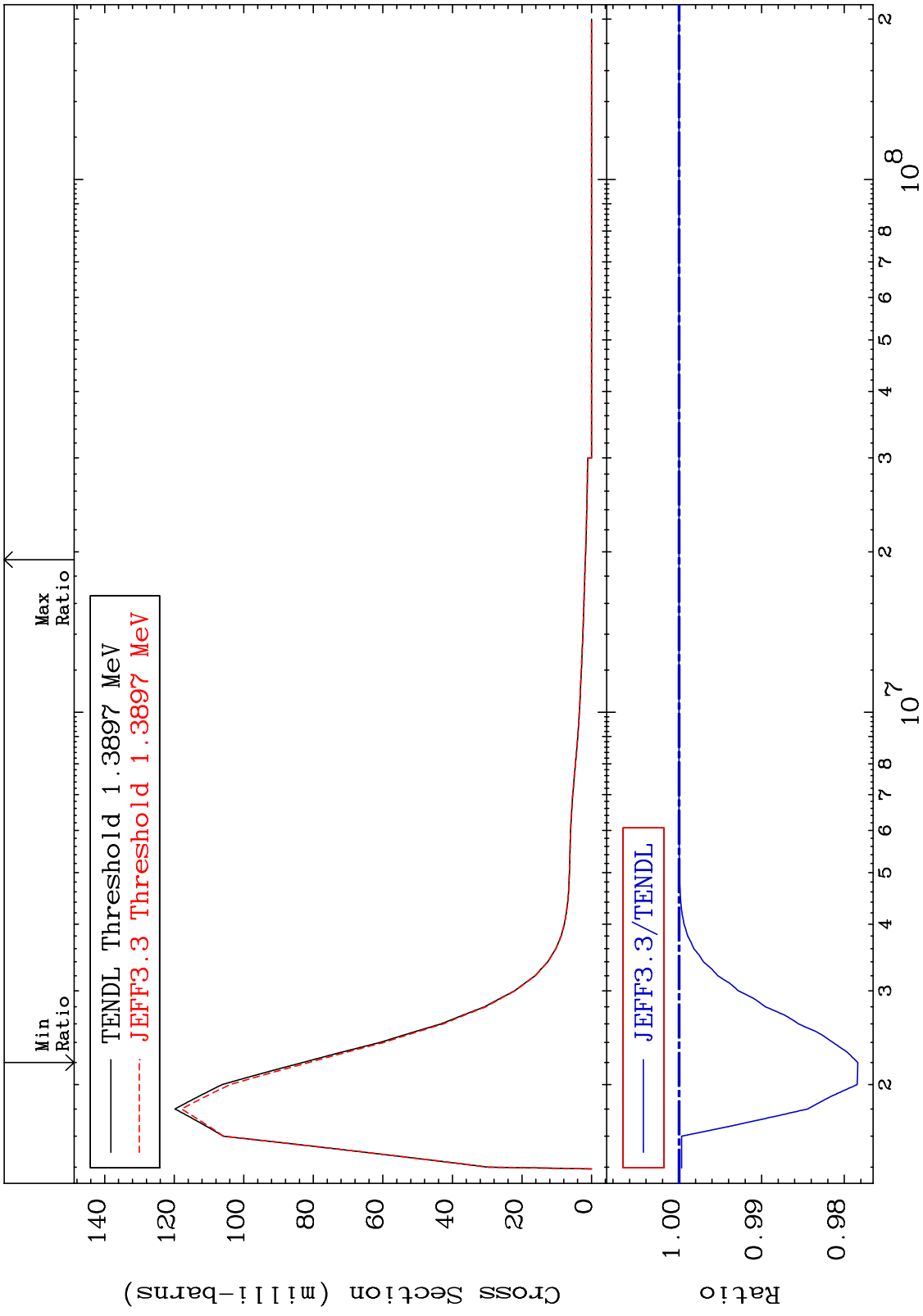
MAT 7643 MT= 61 (n,n') Level Cross Section 76-0s-190  
 -2.397 To 0.304 %



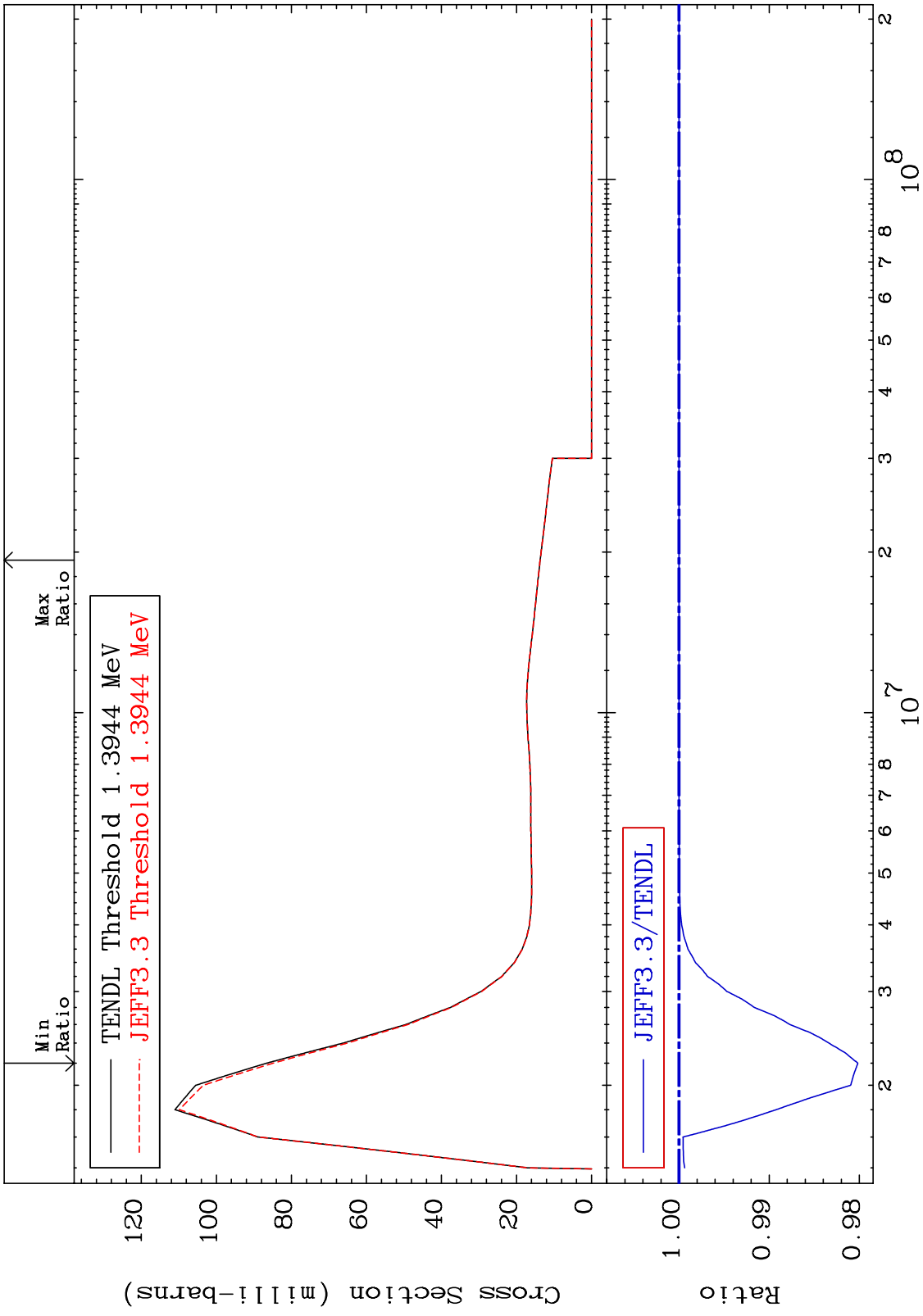
MAT 7643 MT= 62 (n,n') Level Cross Section 76-0s-190  
 -2.035 To 0.000 %



MAT 7643 MT= 63 (n,n') Level Cross Section 76-0s-190  
 -2.164 To 0.000 %

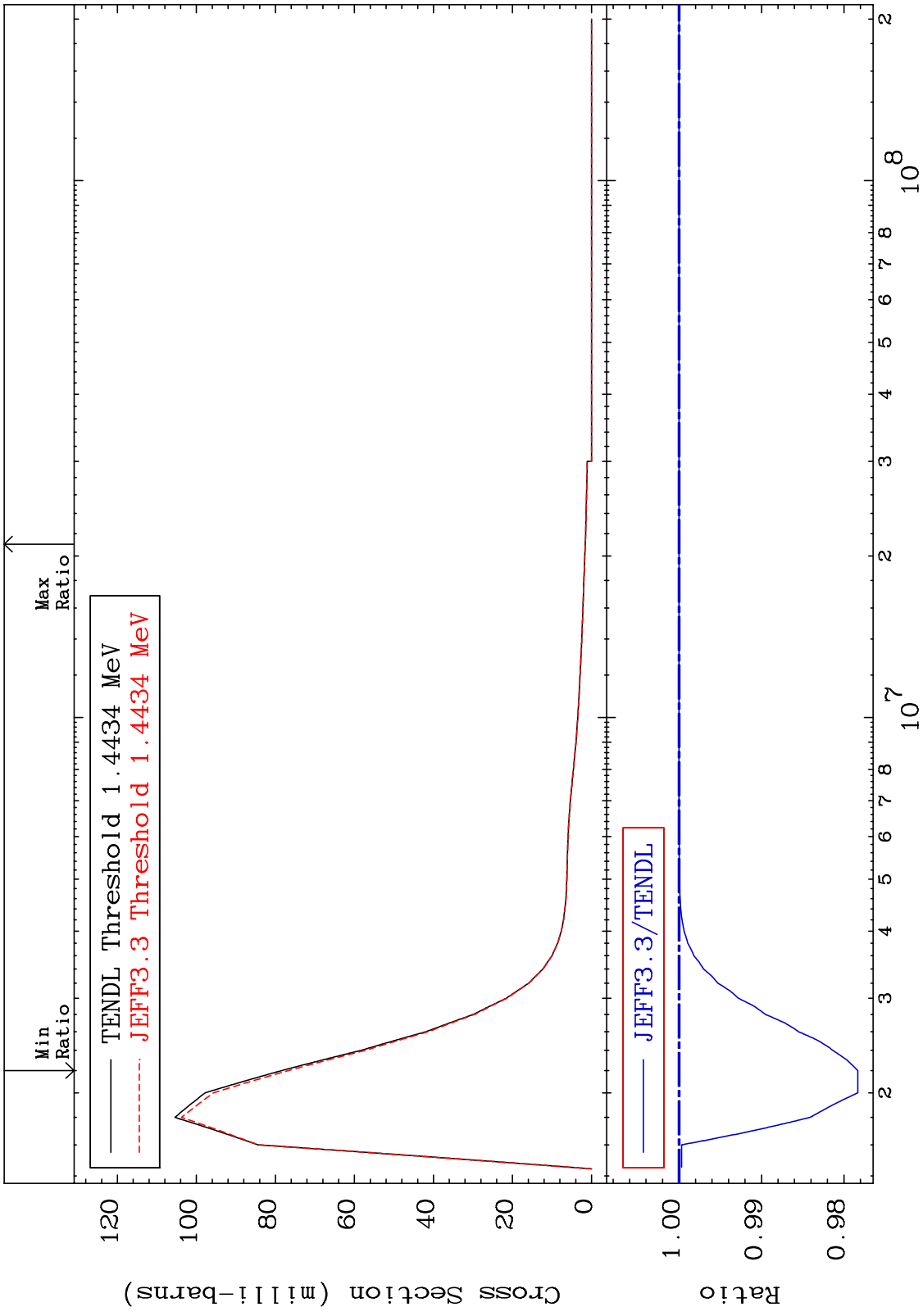


MAT 7643 MT= 64 (n,n') Level Cross Section 76-0s-190  
 -1.983 To 0.000 %

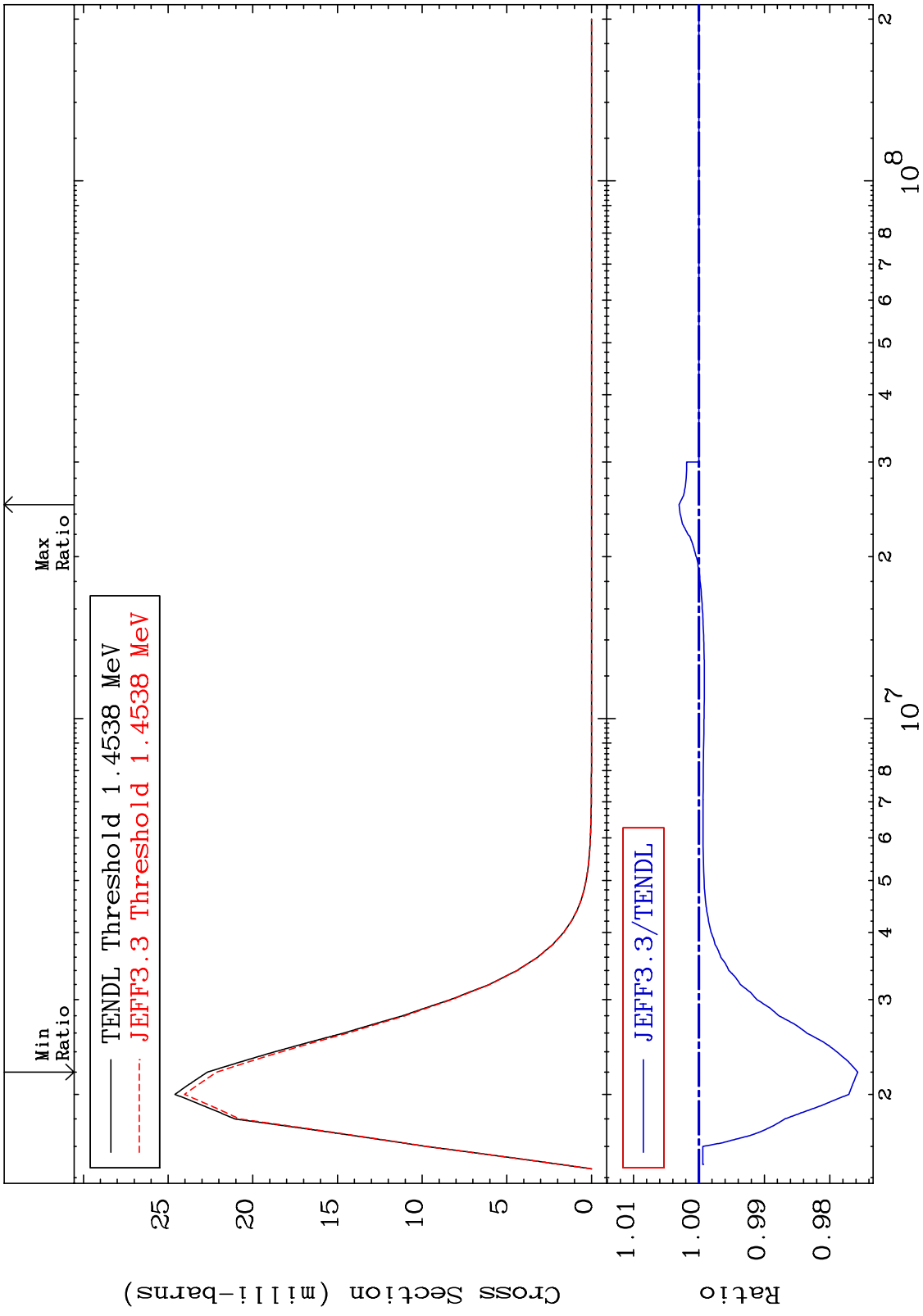




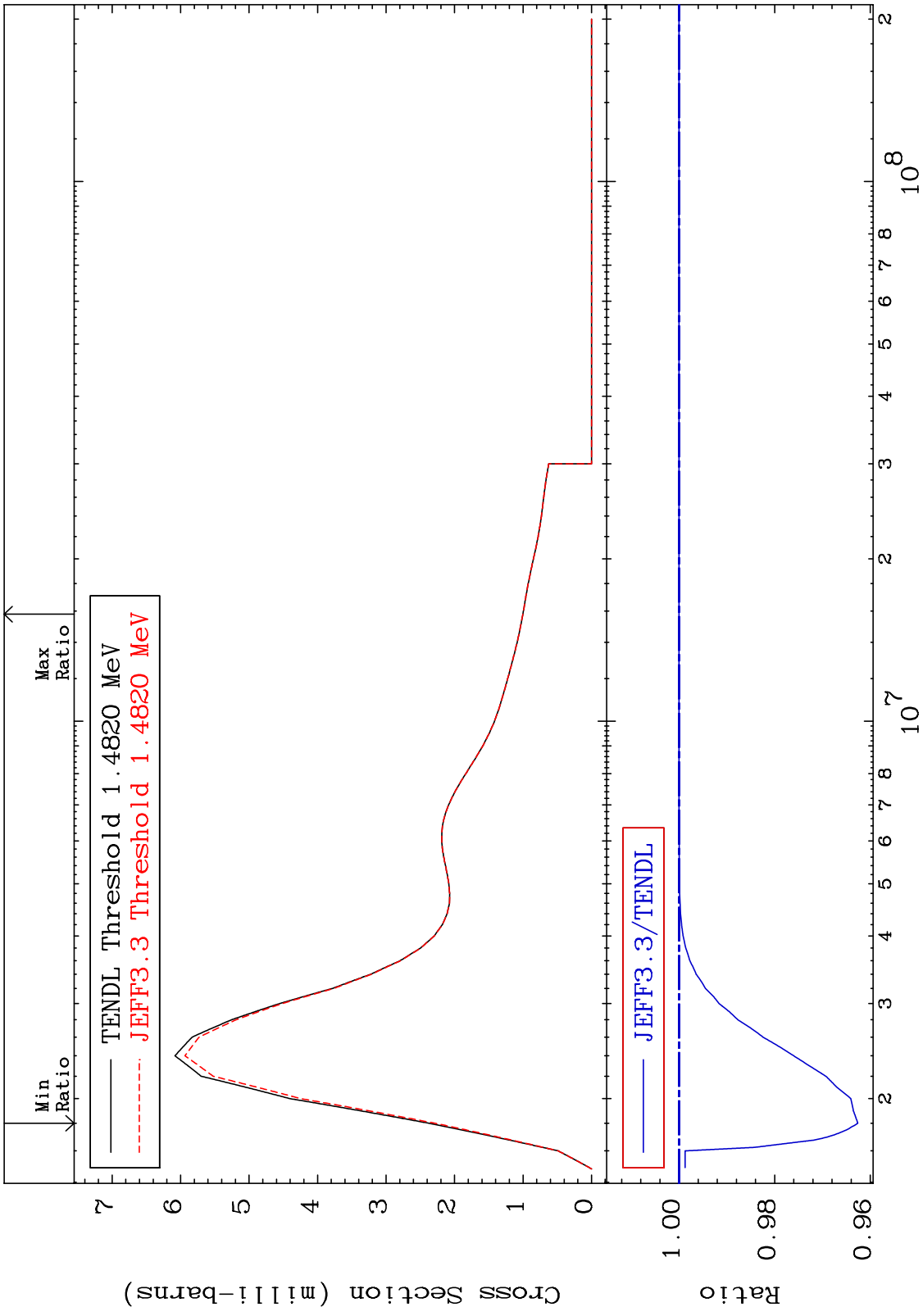
MAT 7643 MT= 65 (n,n') Level Cross Section 76-0s-190  
 -2.168 To 0.000 %



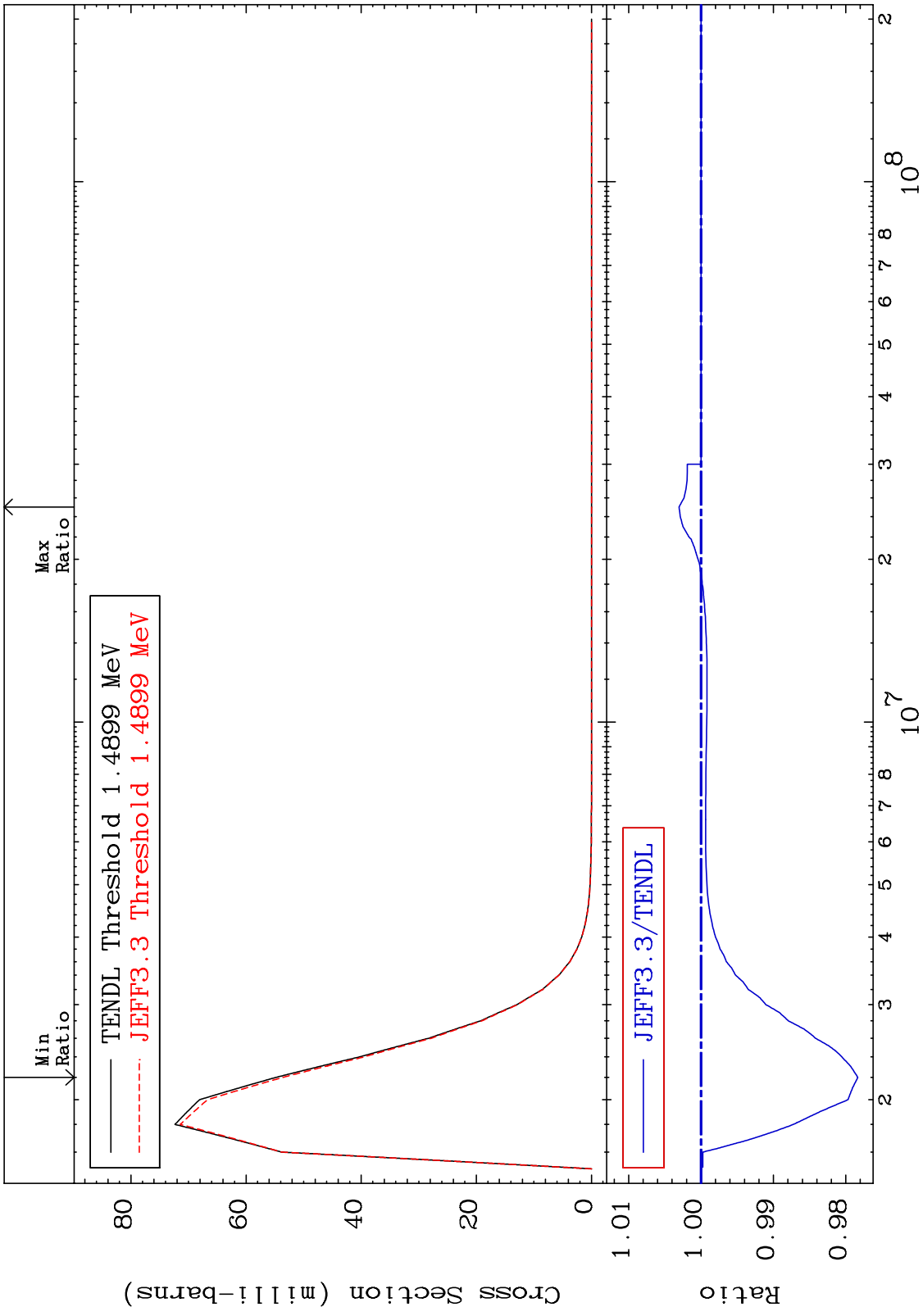
MAT 7643 MT= 66 (n,n') Level Cross Section 76-0s-190  
 -2.429 To 0.304 %



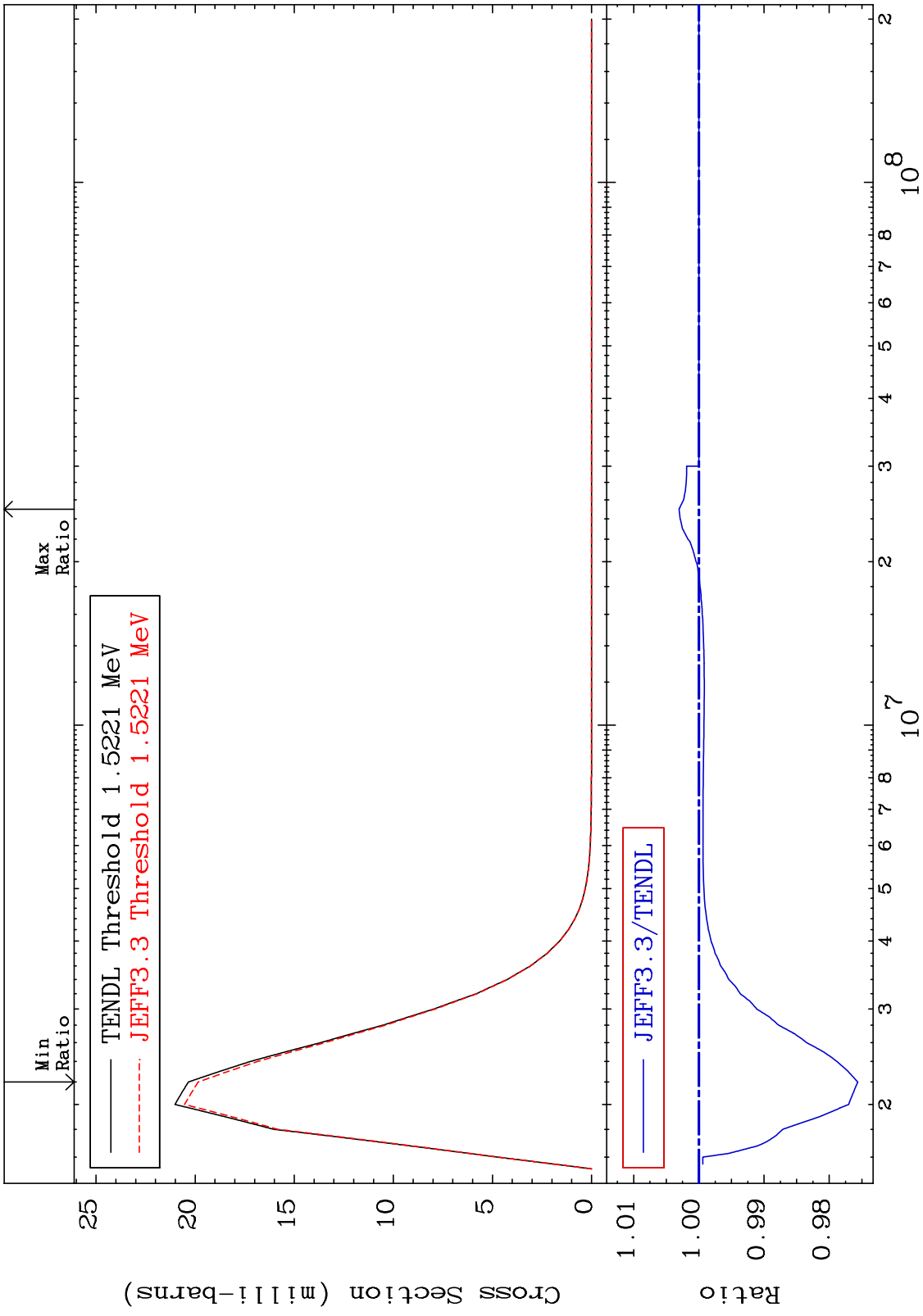
MAT 7643 MT= 67 (n,n') Level Cross Section 76-0s-190  
 -3.739 To 0.000 %



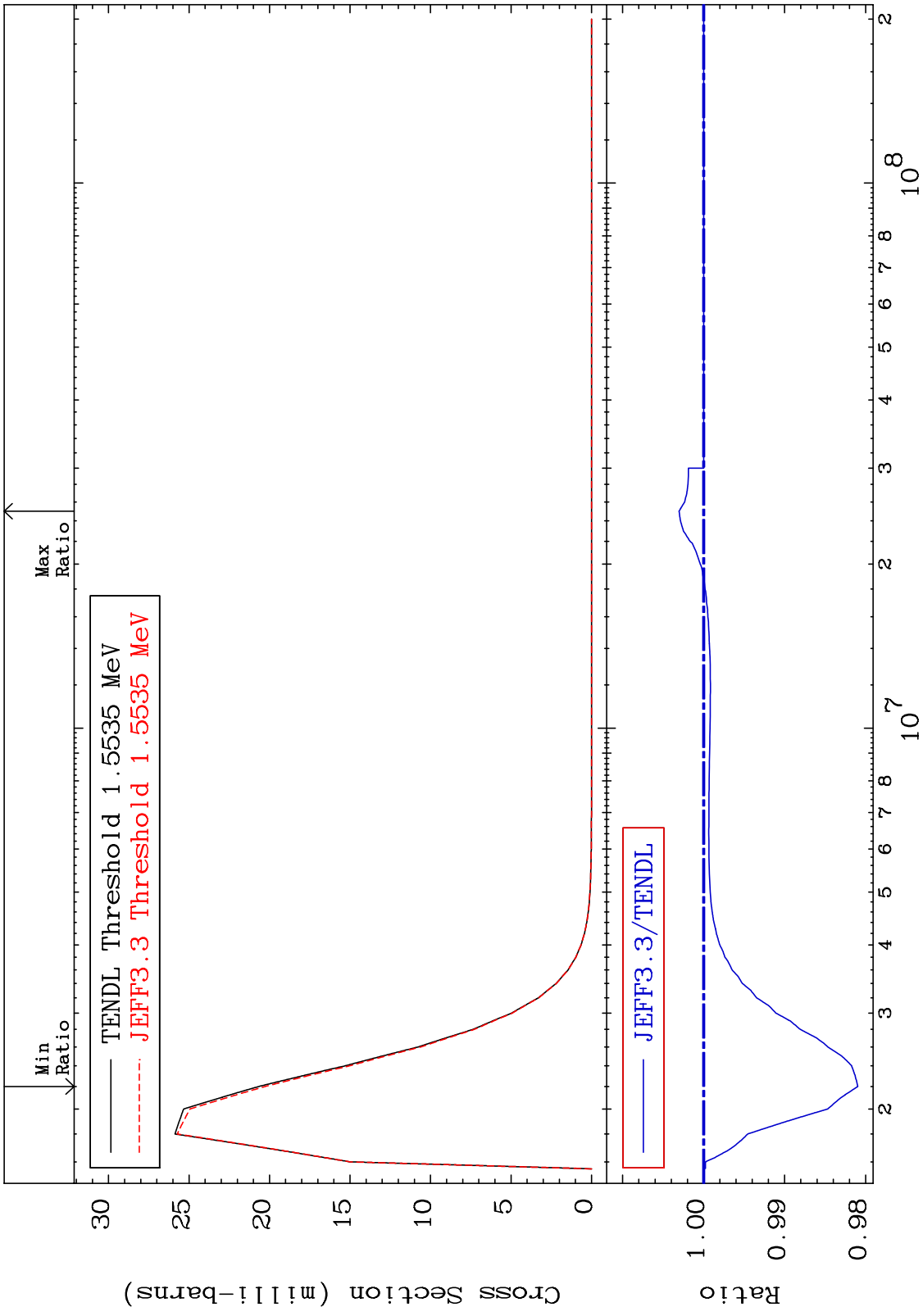
MAT 7643 MT= 68 (n,n') Level Cross Section 76-0s-190  
 -2.166 To 0.304 %



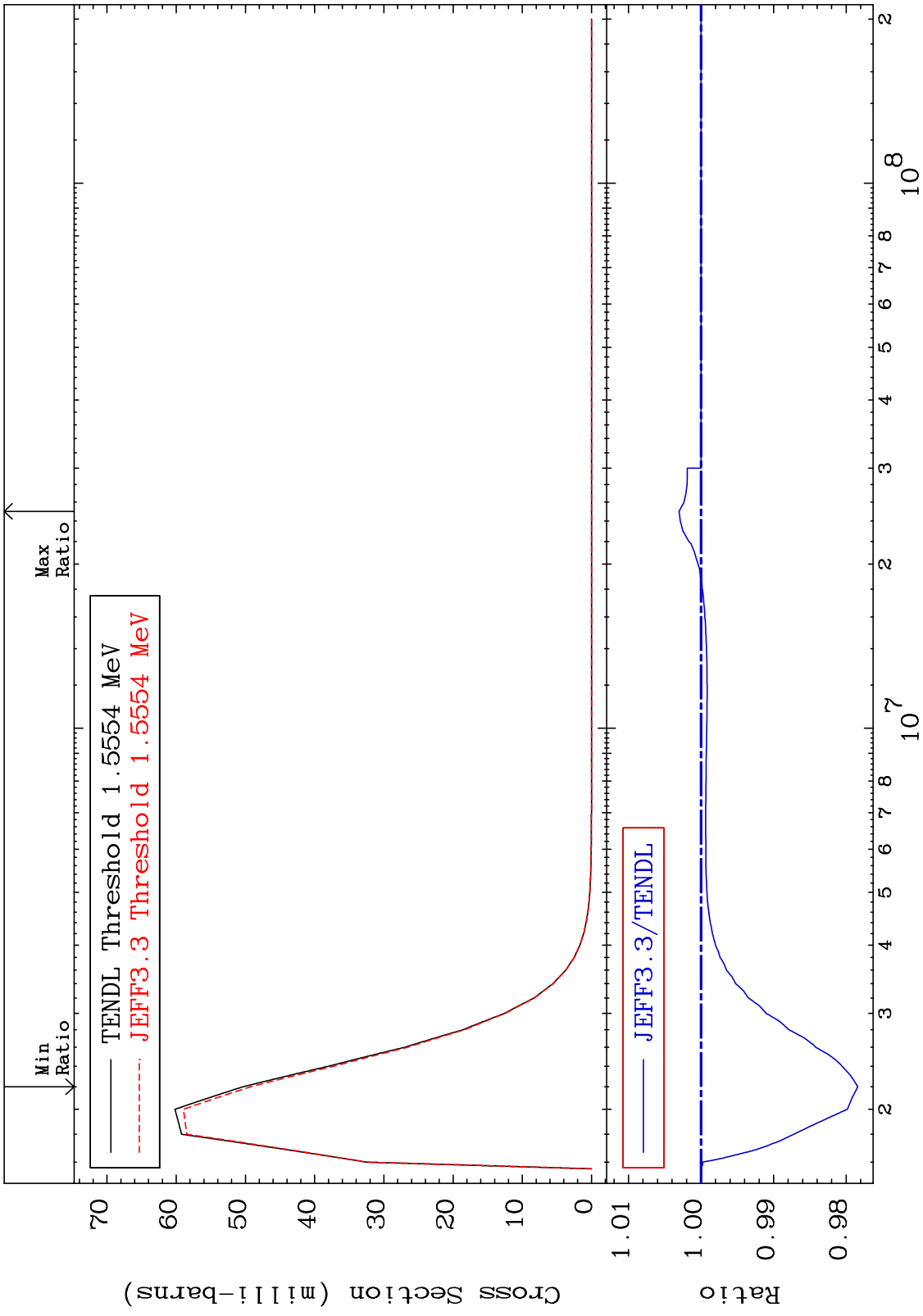
MAT 7643 MT= 69 (n,n') Level Cross Section 76-0s-190  
 -2.438 To 0.304 %



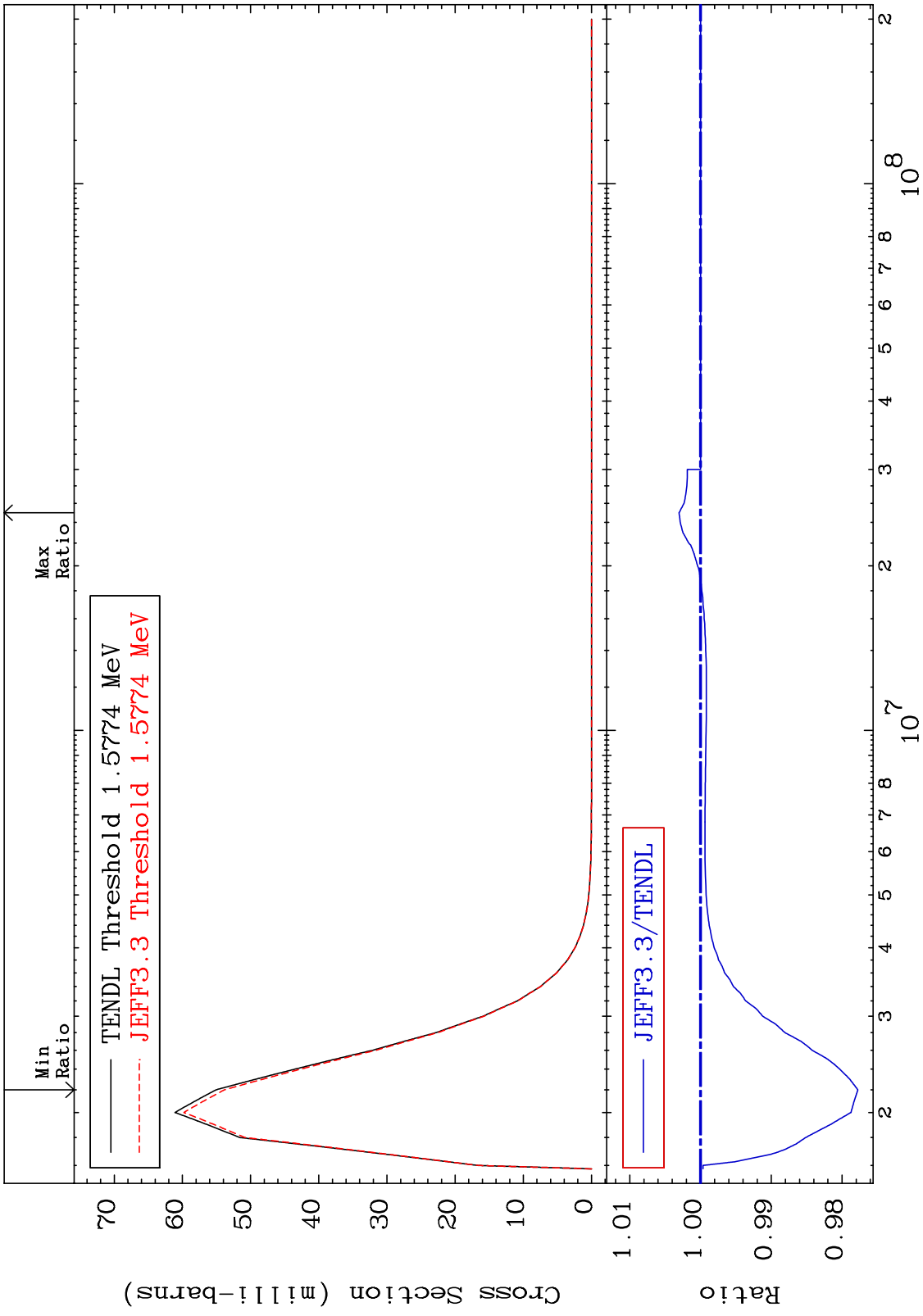
MAT 7643 MT= 70 (n,n') Level Cross Section 76-0s-190  
 -1.904 To 0.304 %



MAT 7643 MT= 71 (n,n') Level Cross Section 76-0s-190  
 -2.161 To 0.303 %

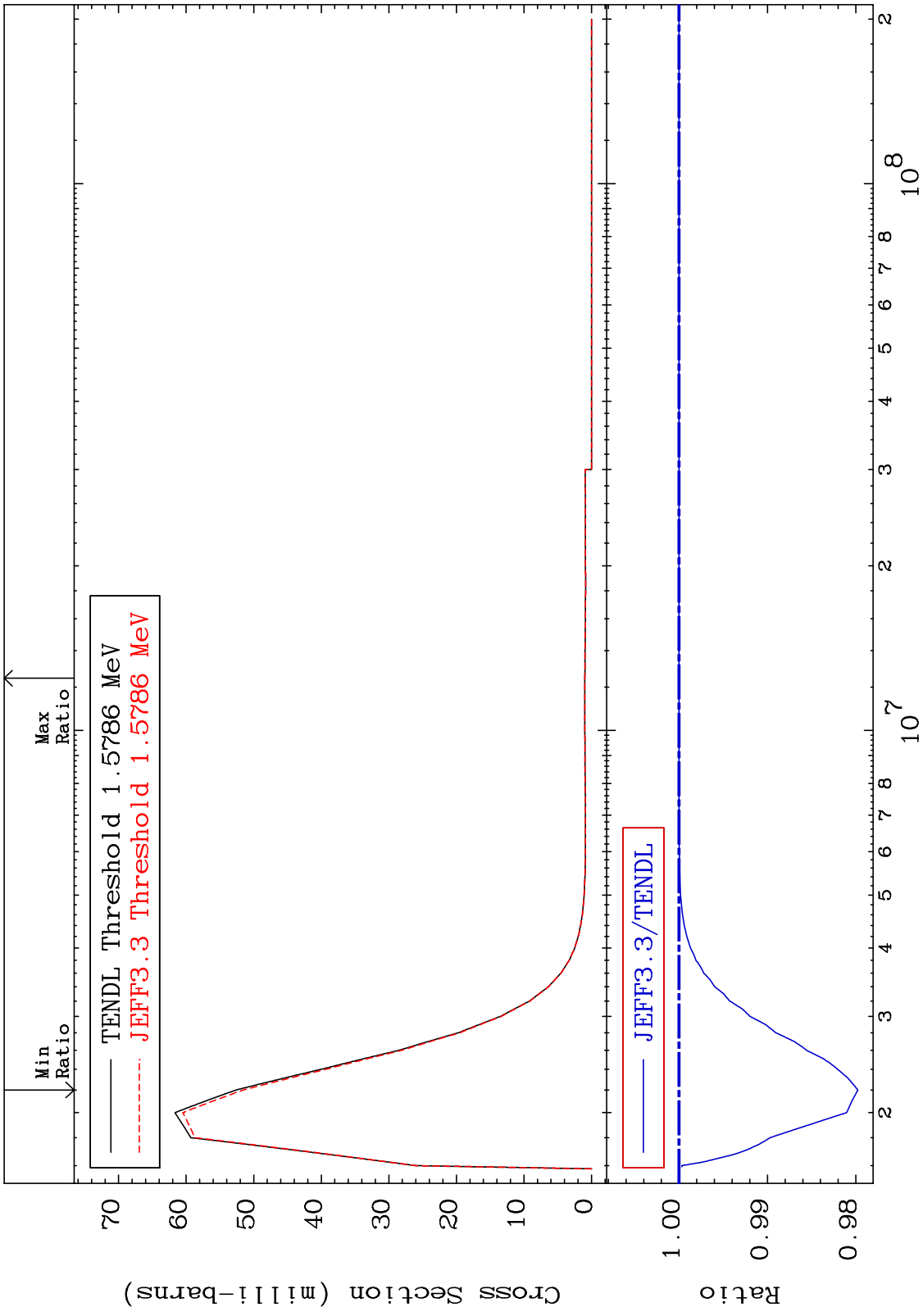


MAT 7643 MT= 72 (n,n') Level Cross Section 76-0s-190  
 -2.223 To 0.304 %



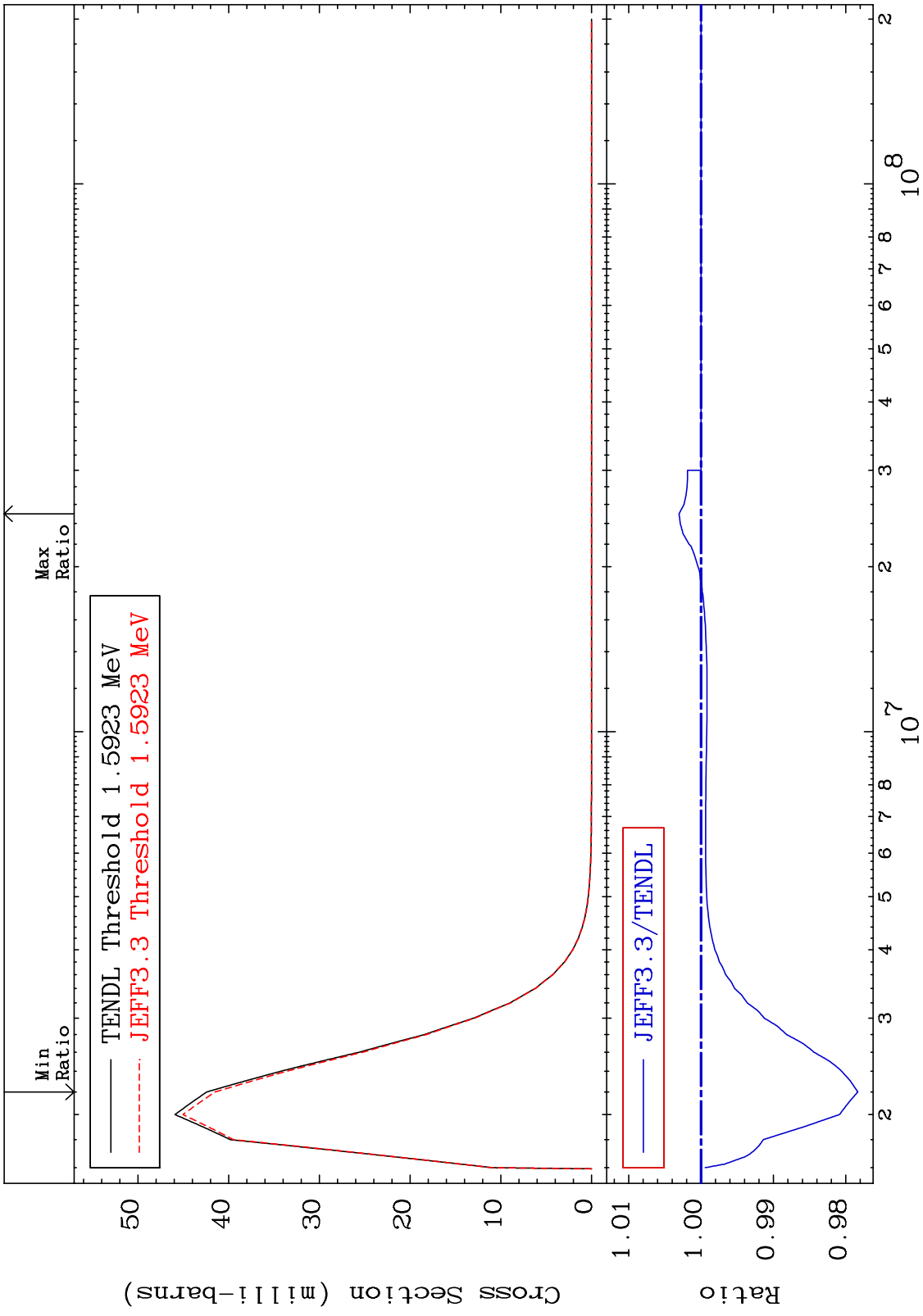


MAT 7643 MT= 73 (n,n') Level Cross Section 76-0s-190  
 -2.022 To 0.000 %

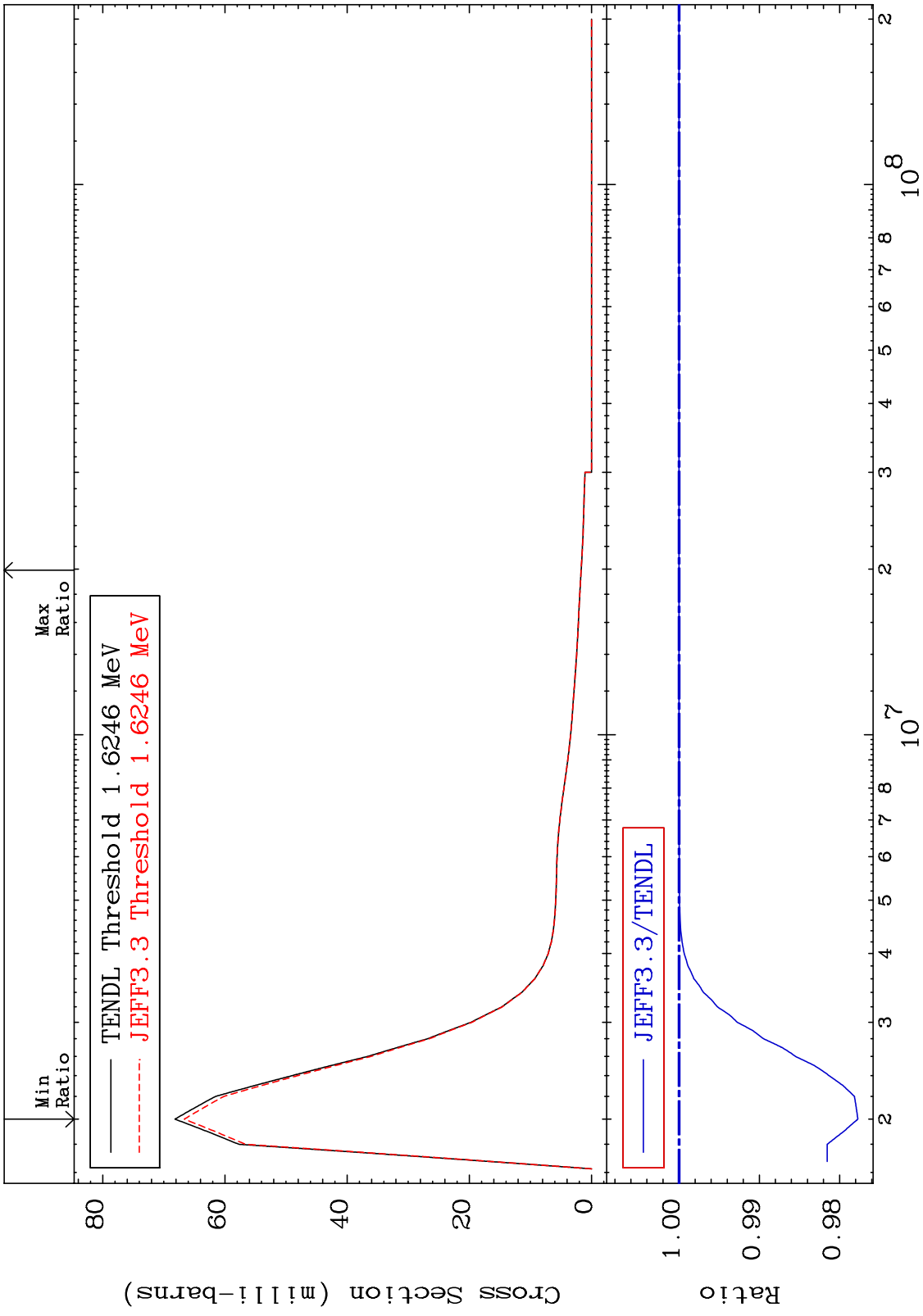


40 Incident Energy (eV) 76-0s-190

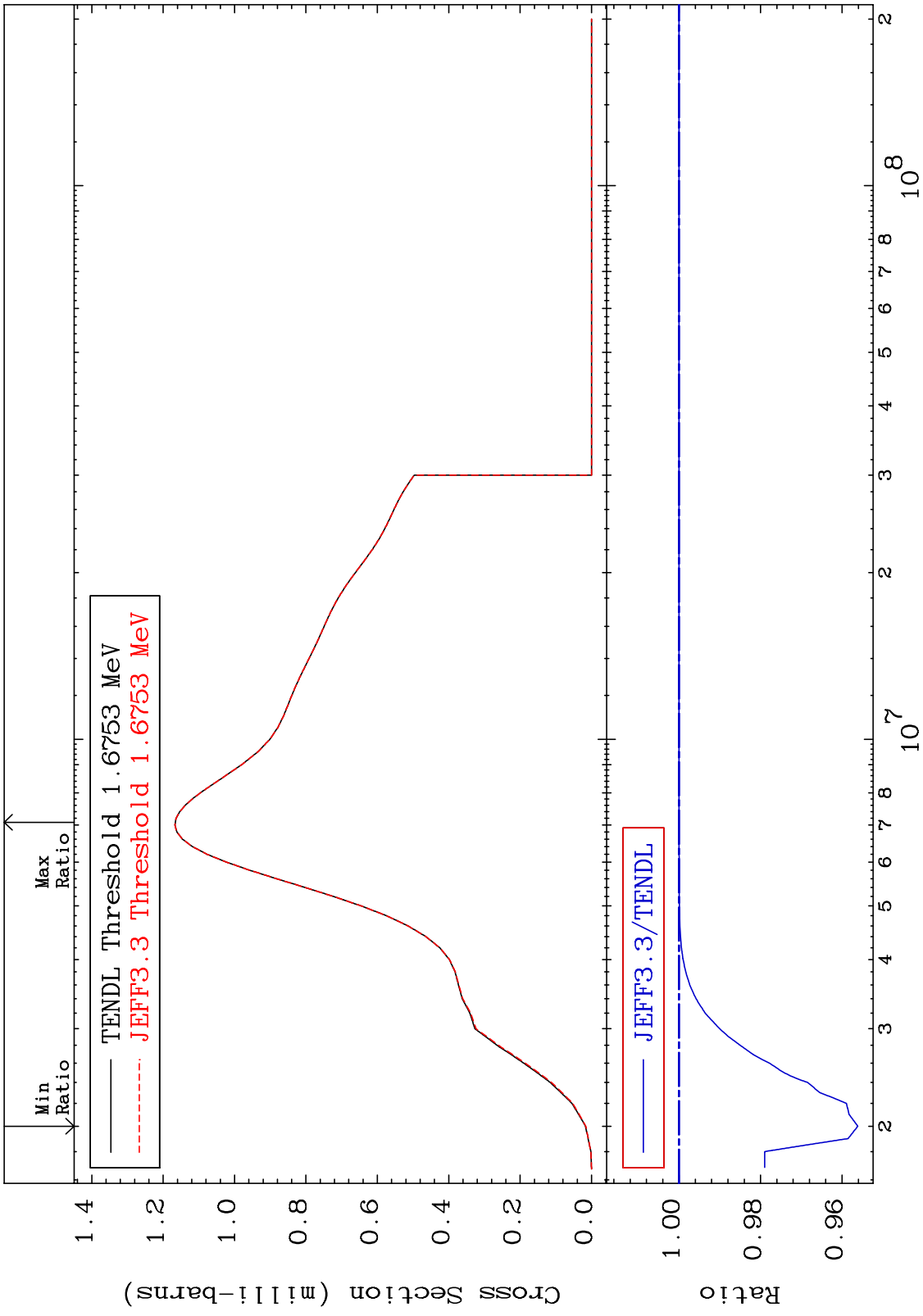
MAT 7643 MT= 74 (n,n') Level Cross Section 76-0s-190  
 -2.166 To 0.304 %



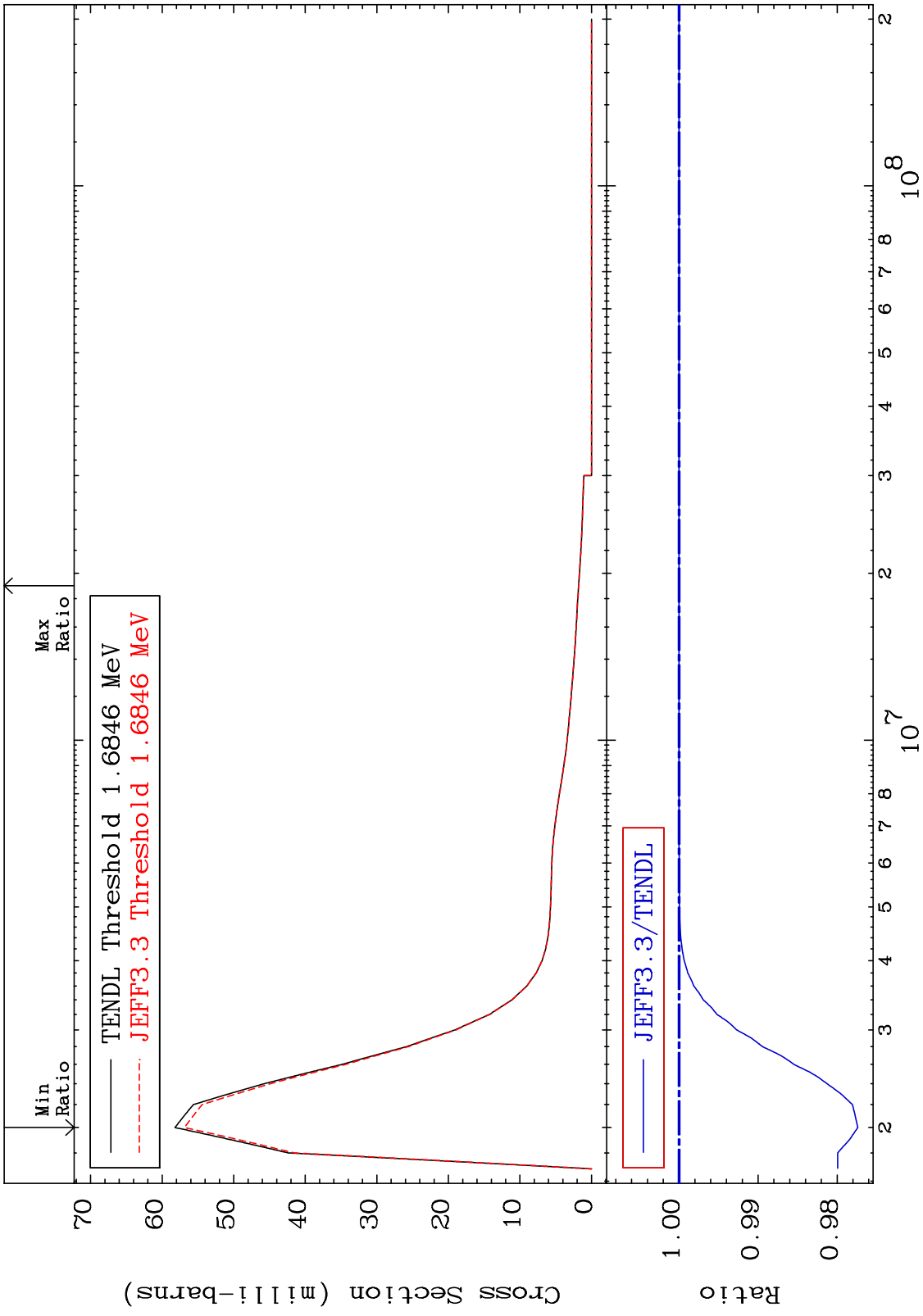
MAT 7643 MT= 75 (n,n') Level Cross Section 76-0s-190  
 -2.227 To 0.000 %



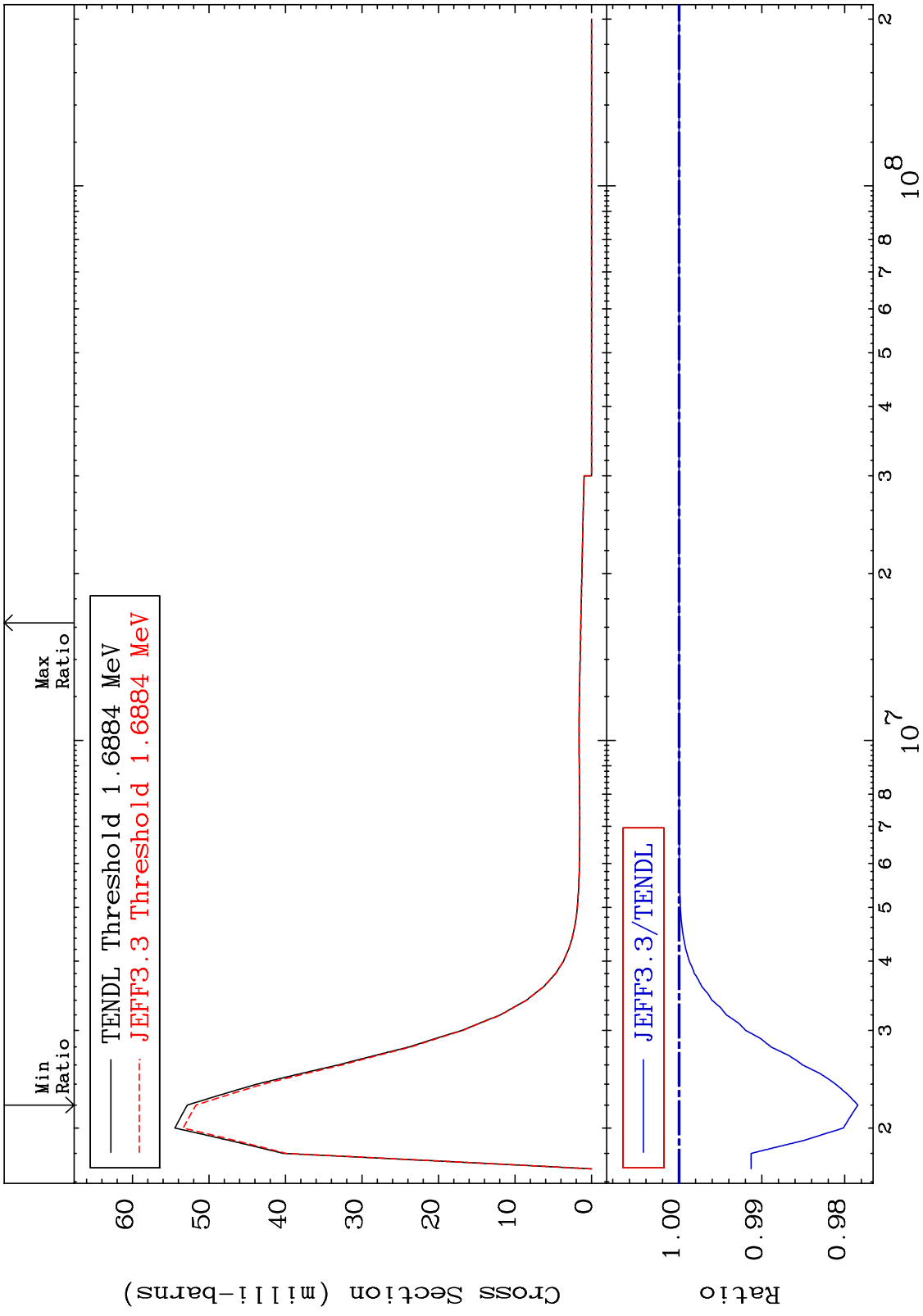
MAT 7643 MT= 76 (n,n') Level Cross Section 76-0s-190  
 -4.387 To 0.000 %



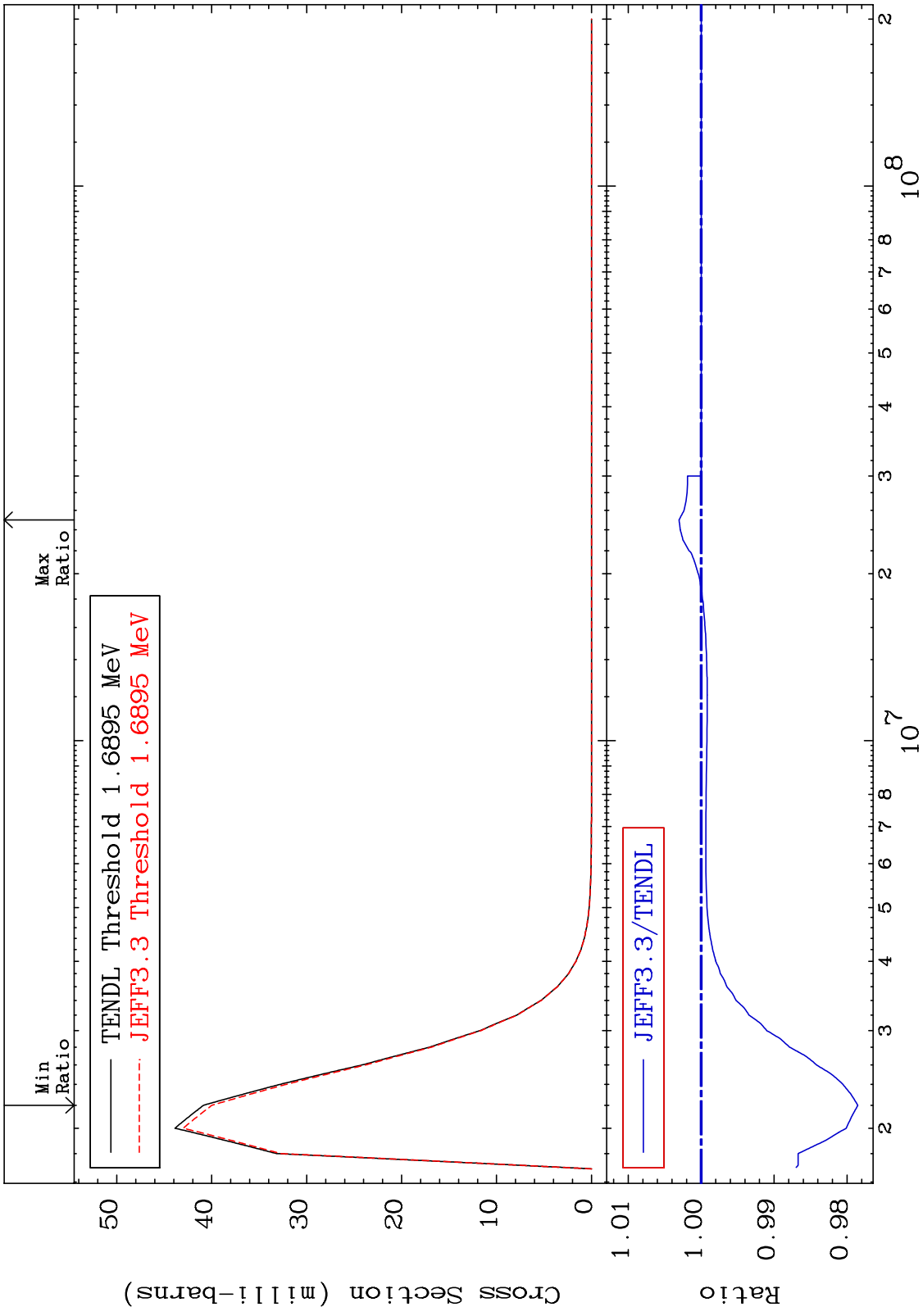
MAT 7643 MT= 77 (n,n') Level Cross Section 76-0s-190  
 -2.261 To 0.000 %



MAT 7643 MT= 78 (n,n') Level Cross Section 76-0s-190  
 -2.158 To 0.000 %



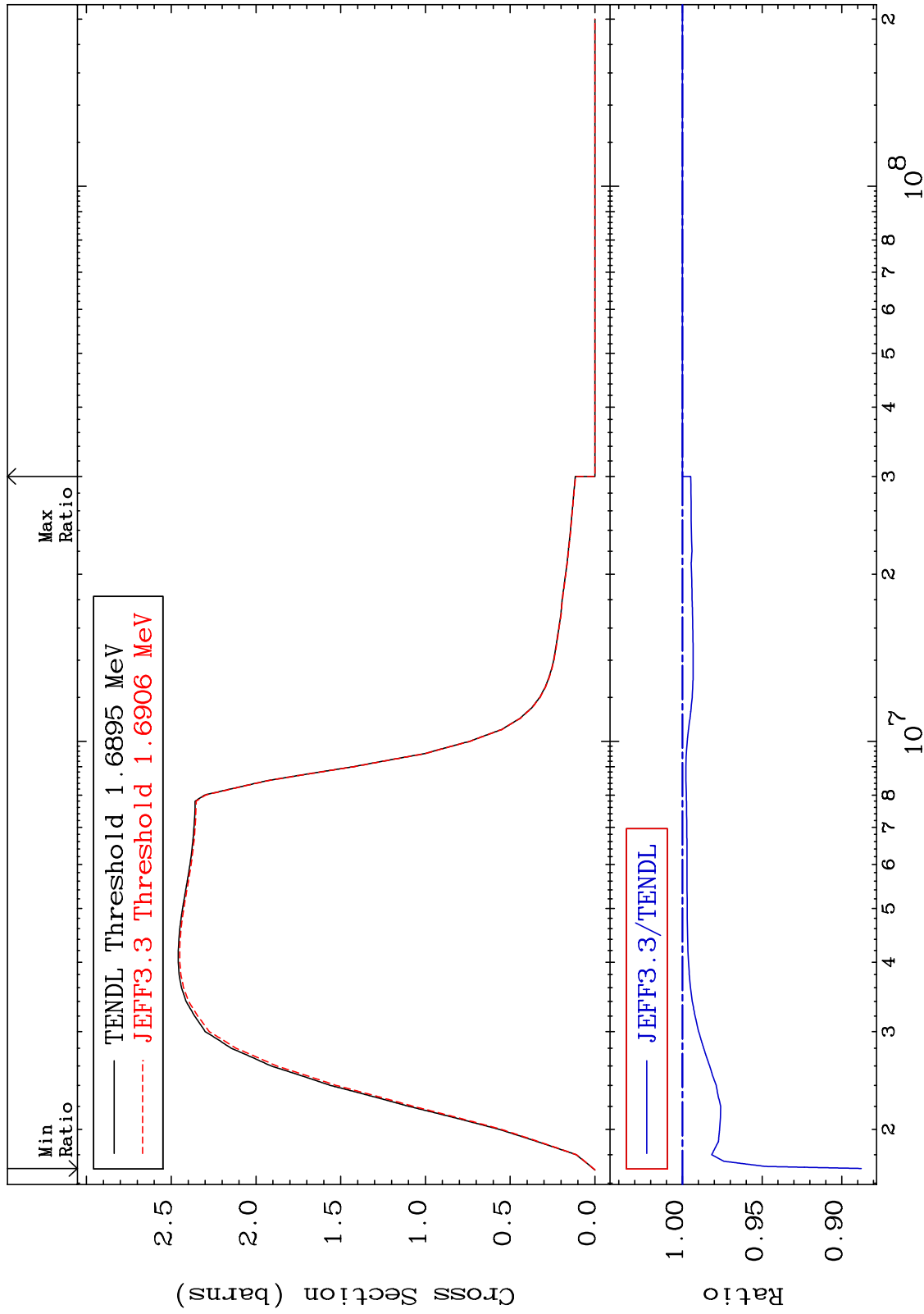
MAT 7643 MT= 79 (n,n') Level Cross Section 76-0s-190  
 -2.148 To 0.303 %



MAT 7643

(n,n') Continuum  
Cross Section

76-0s-190  
-11.23 To 0.000 %

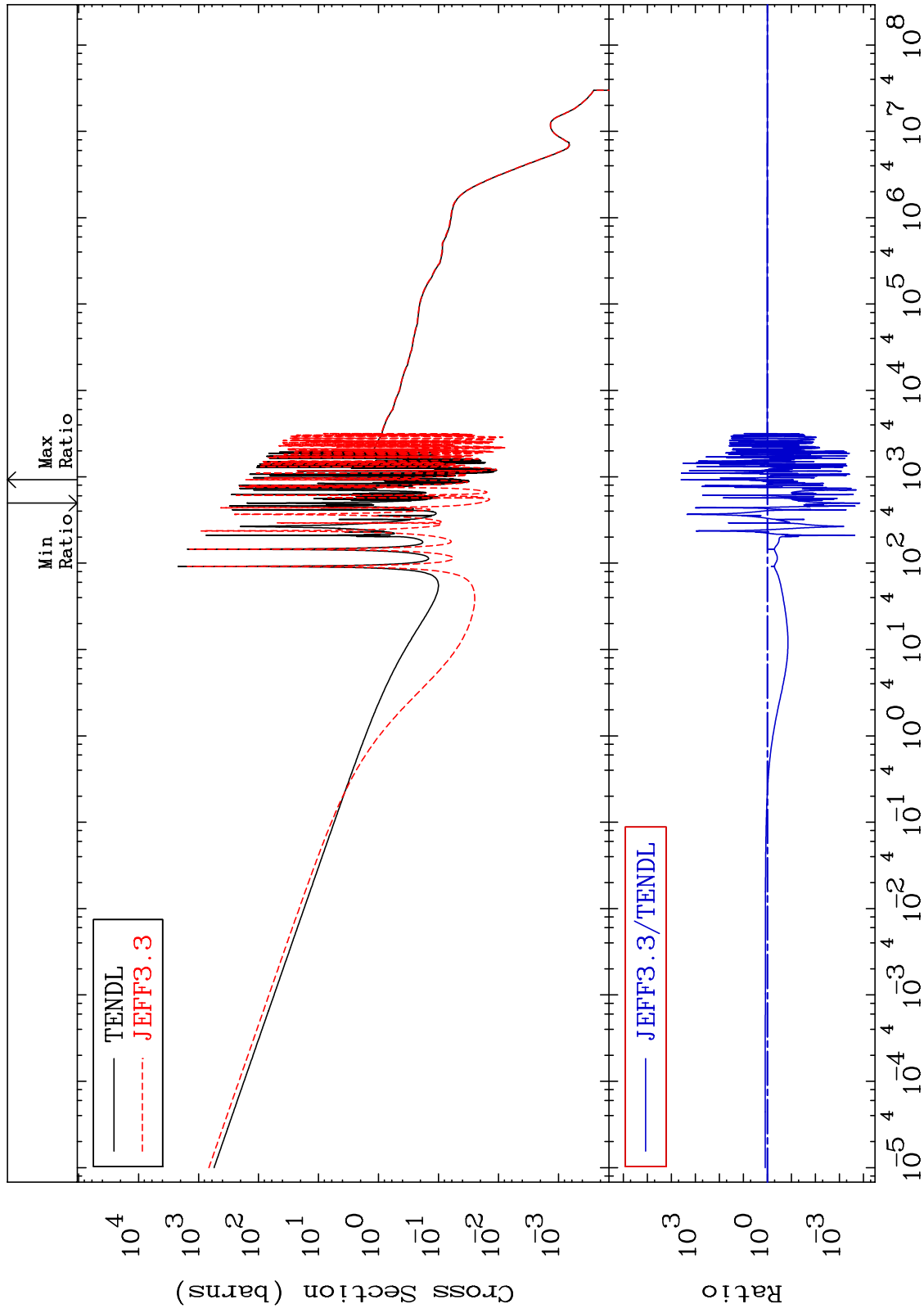




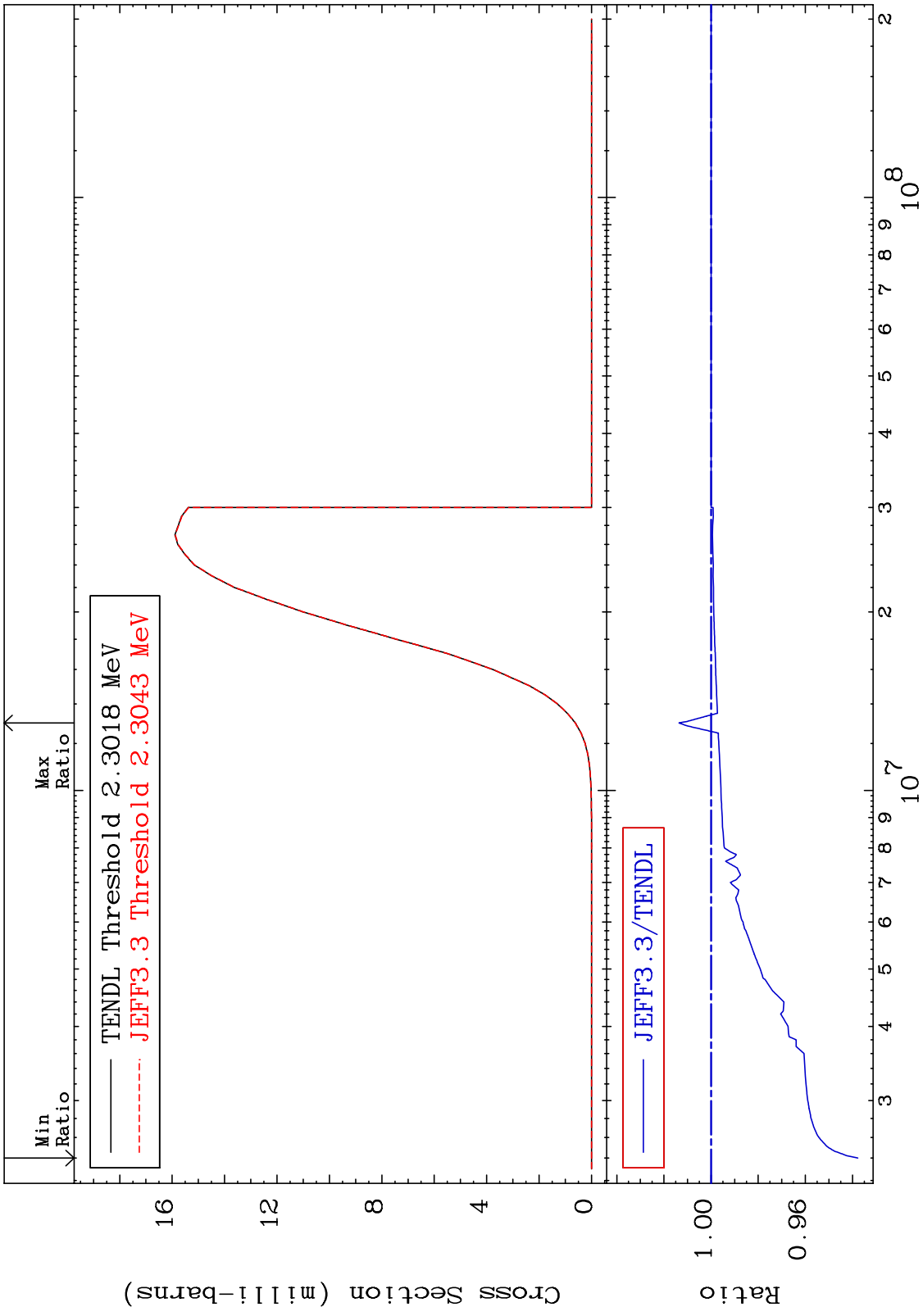
MAT 7643

(n,  $\gamma$ )  
Cross Section

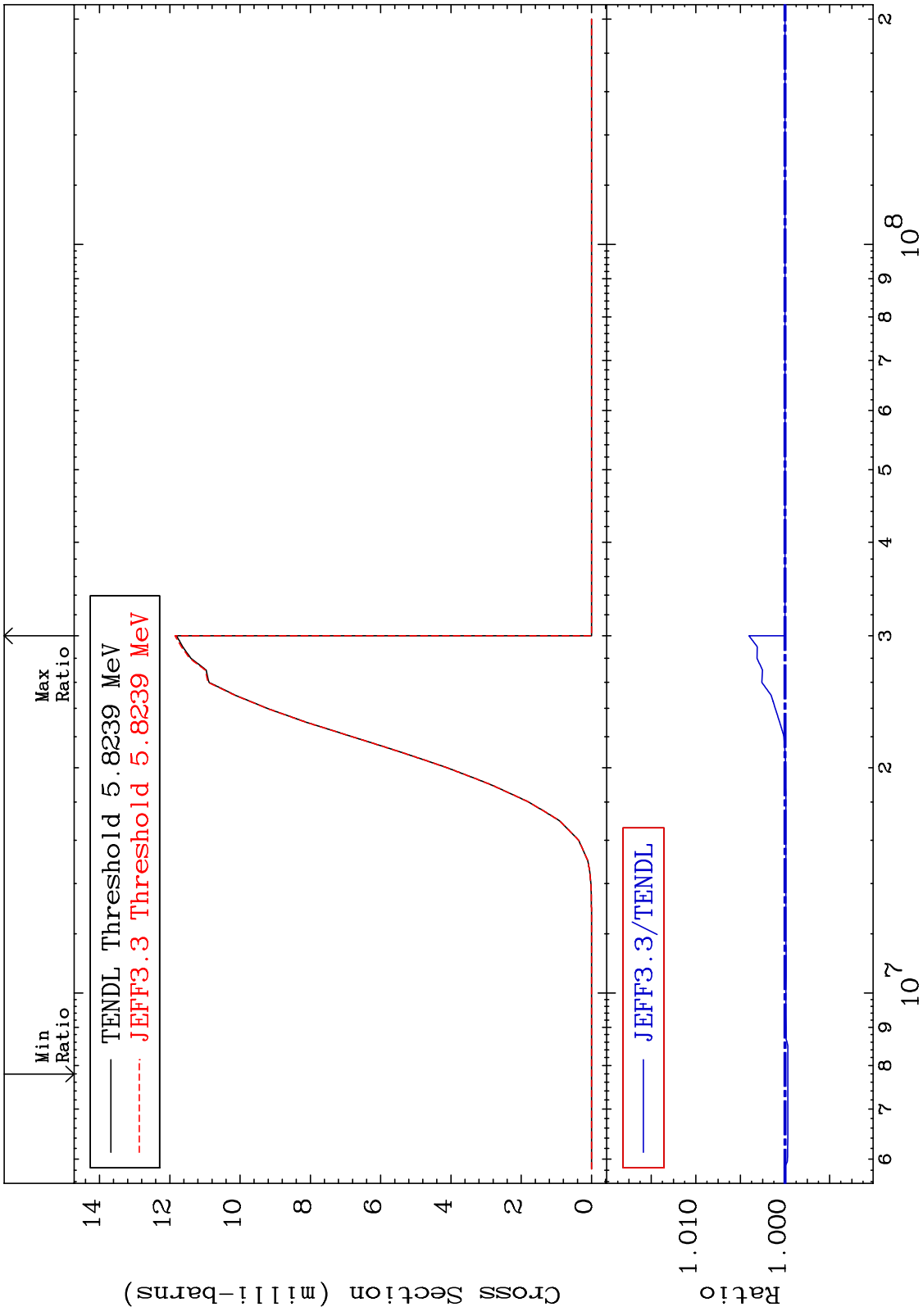
76-0s-190  
-99.99 To 9999. %



MAT 7643 (n,p) Cross Section 76-0s-190  
 -6.228 To 1.359 %

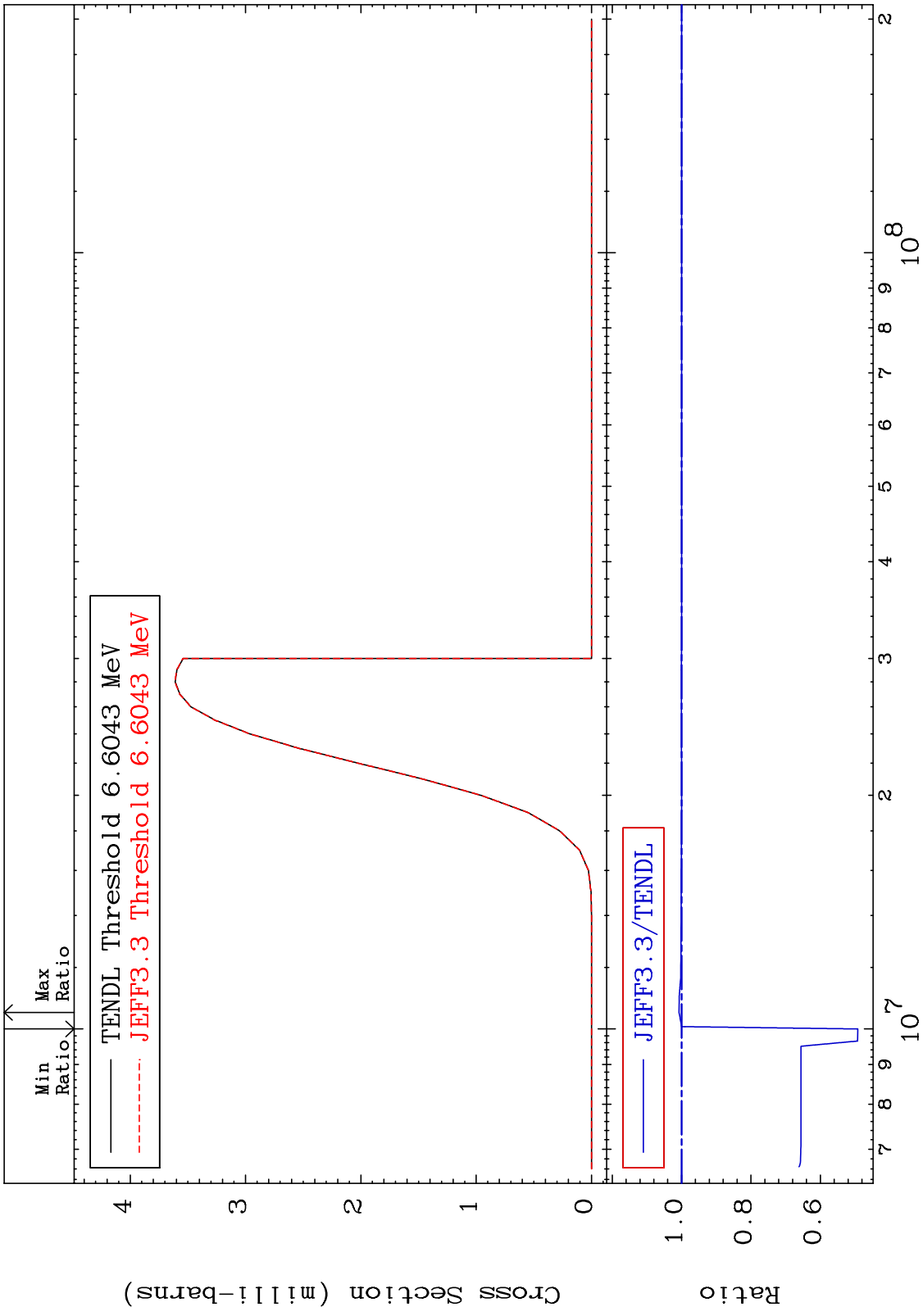


MAT 7643 (n,d) 76-0s-190  
Cross Section -0.033 To 0.404 %

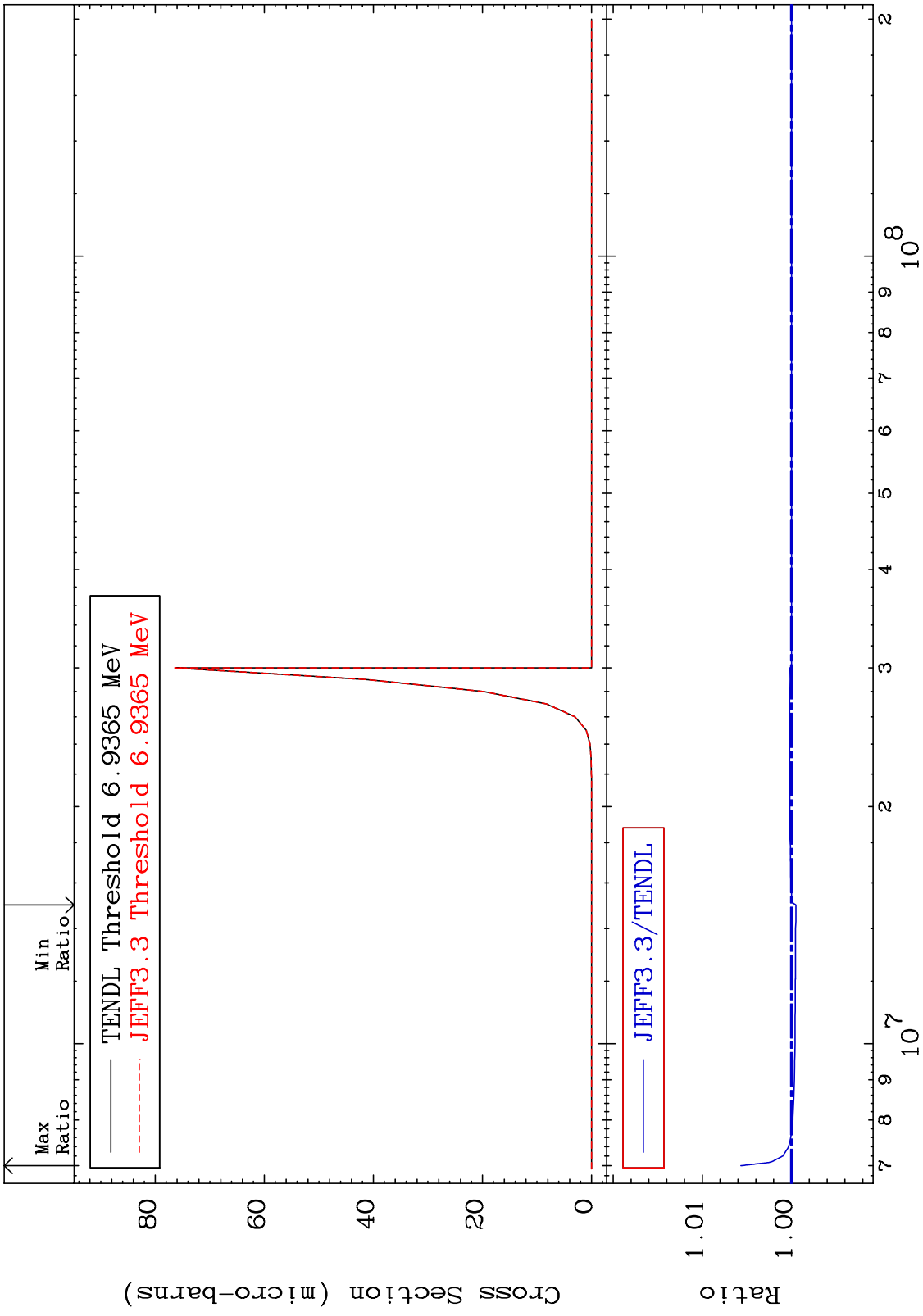


50 76-0s-190

MAT 7643 (n,t) Cross Section 76-0s-190  
 -50.82 To 0.734 %



MAT 7643 (n, He-3) 76-Os-190  
 Cross Section -0.050 To 0.568 %



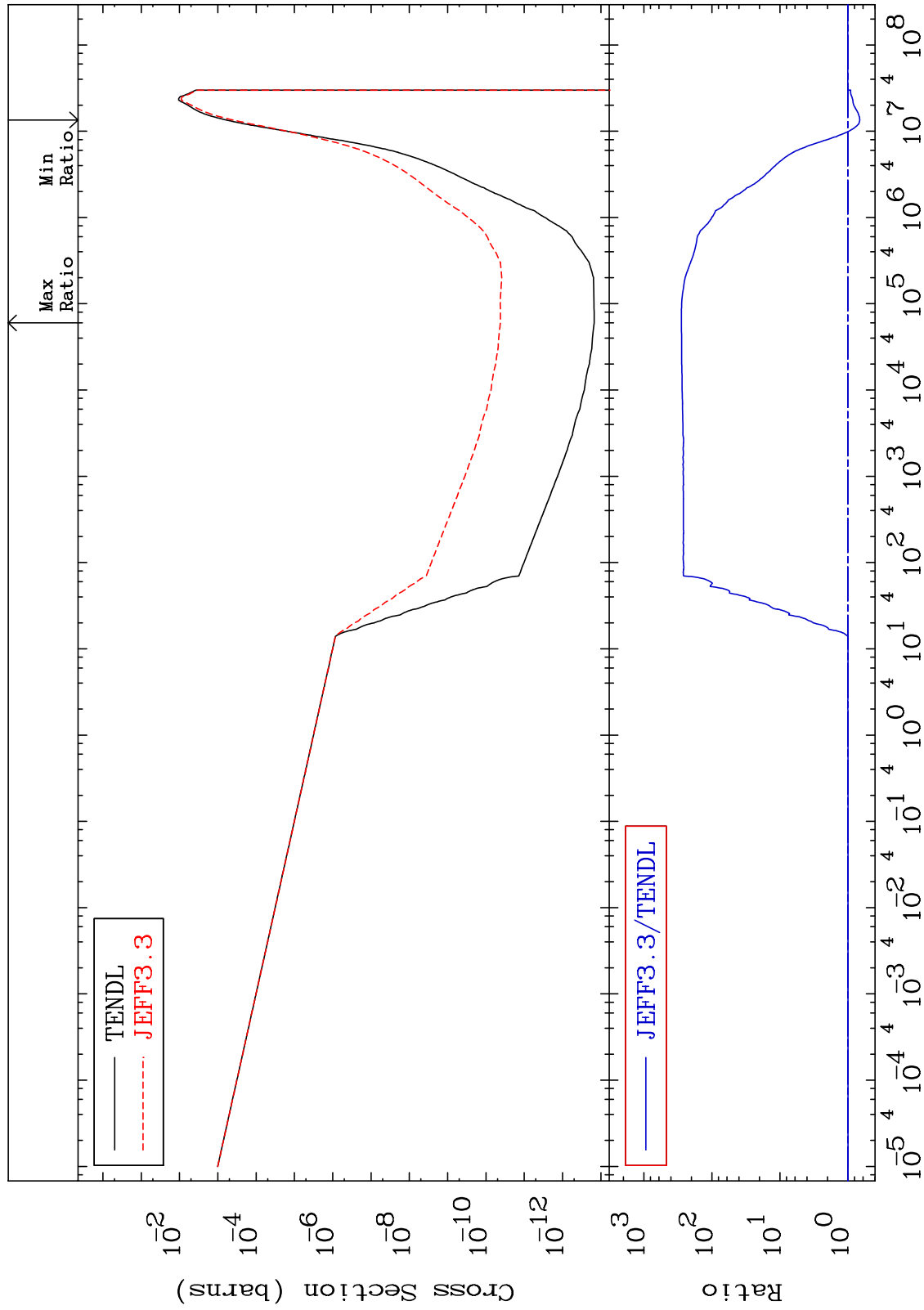
MAT 7643

(n,  $\alpha$ )

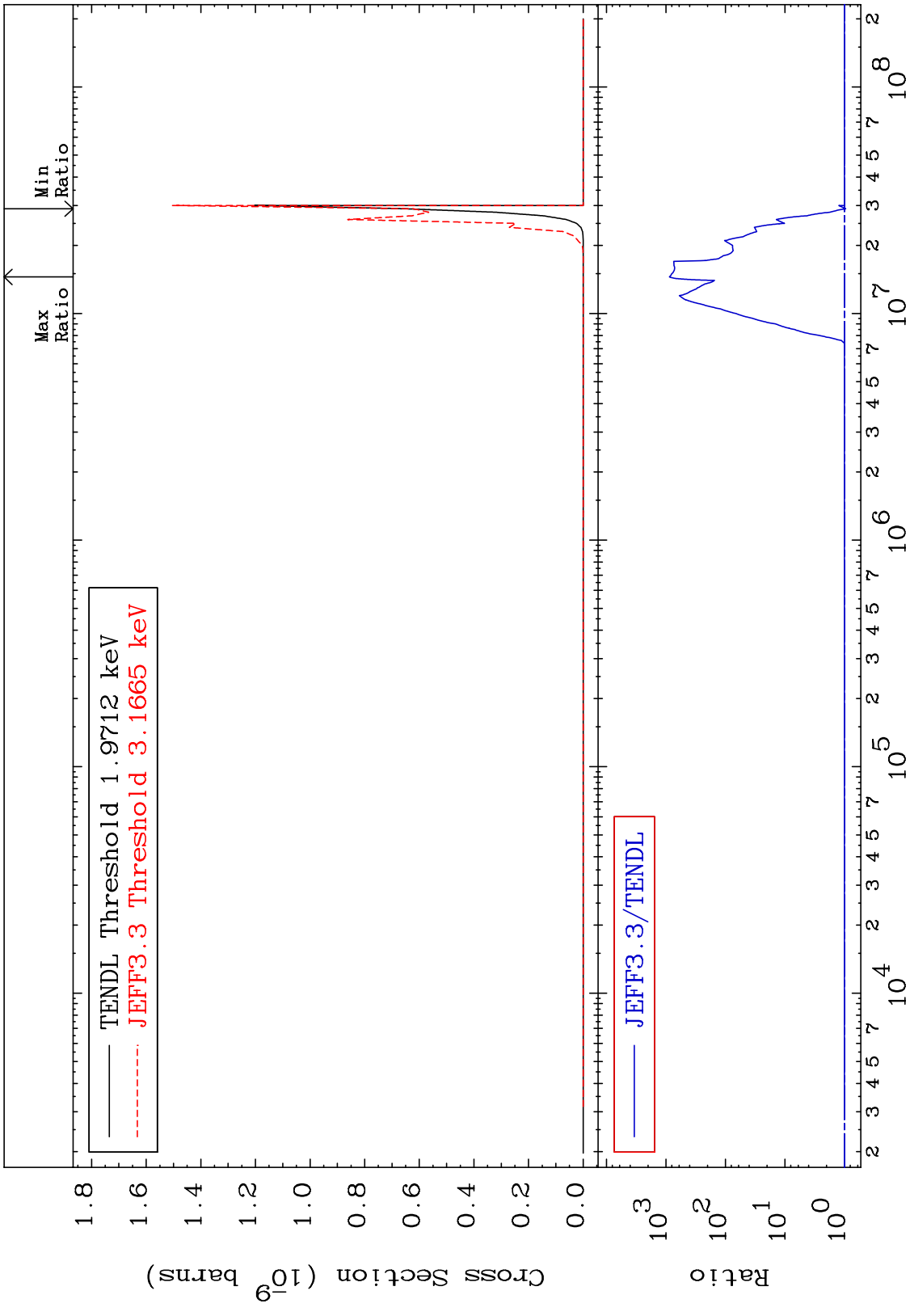
76-Os-190

Cross Section

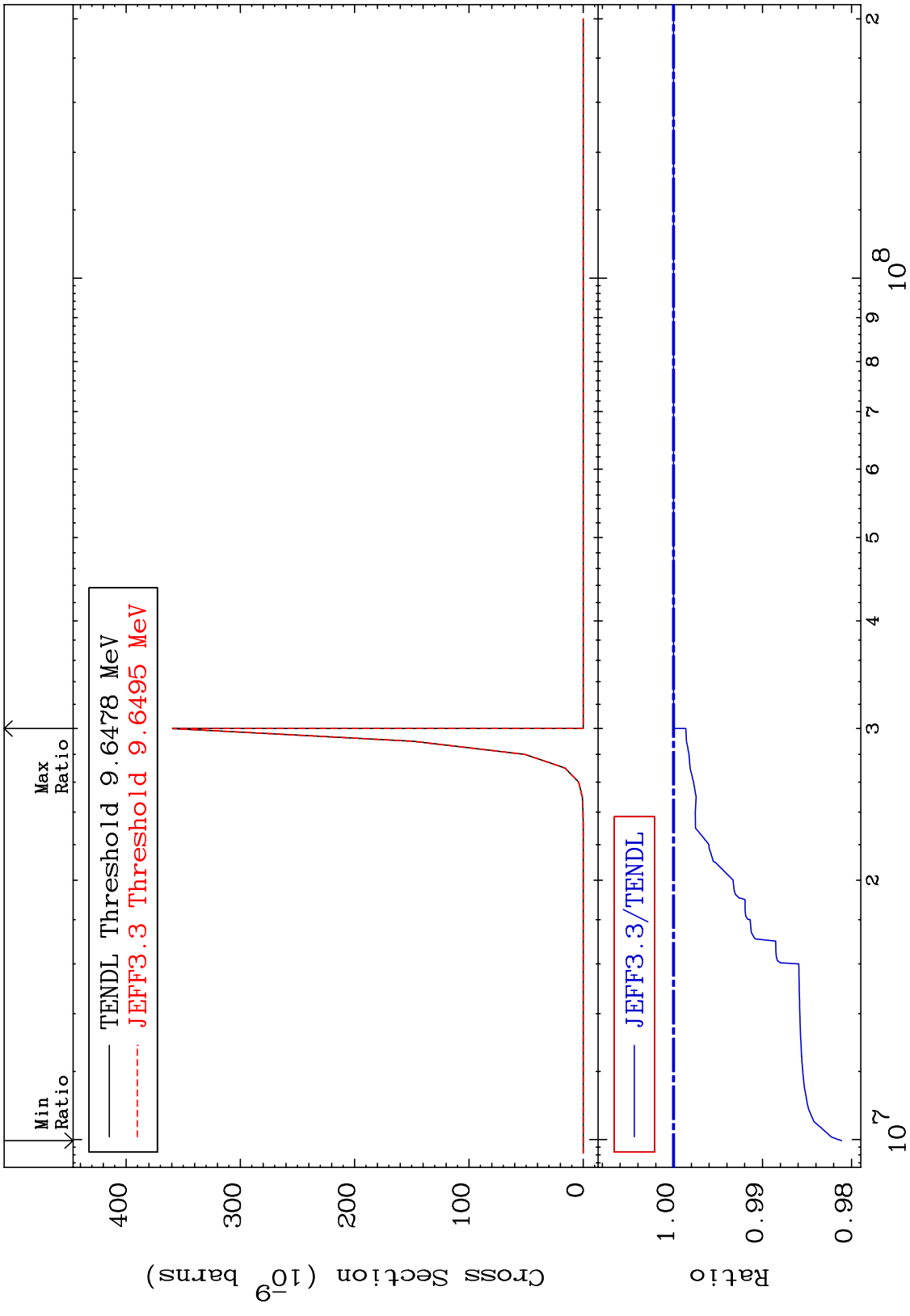
-33.28 To 9999. %



MAT 7643 (n,2α) Cross Section 76-Os-190  
 -4.670 To 9999. %



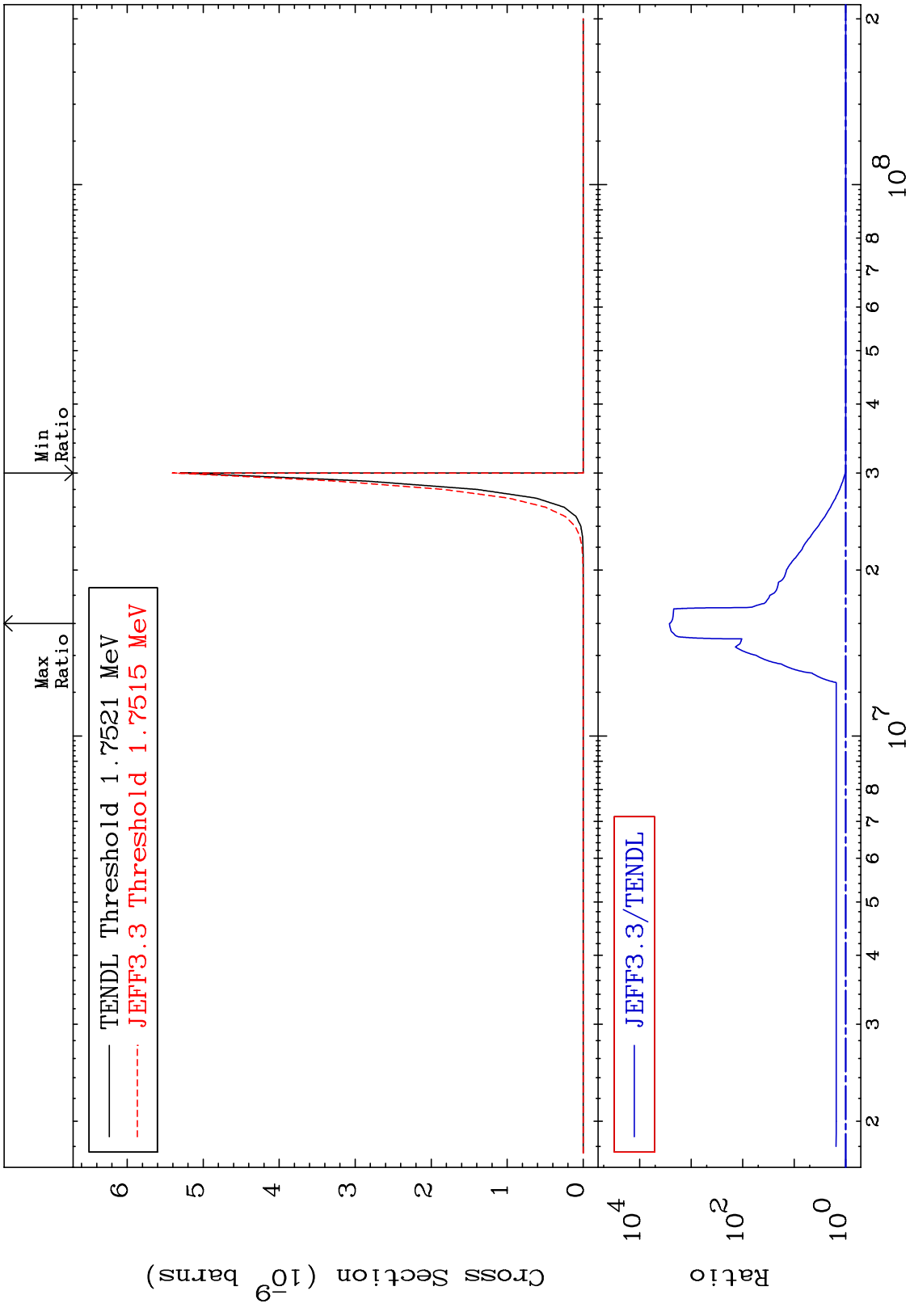
MAT 7643 (n,2p) Cross Section 76-0s-190  
 -1.890 To 0.000 %



55 76-0s-190



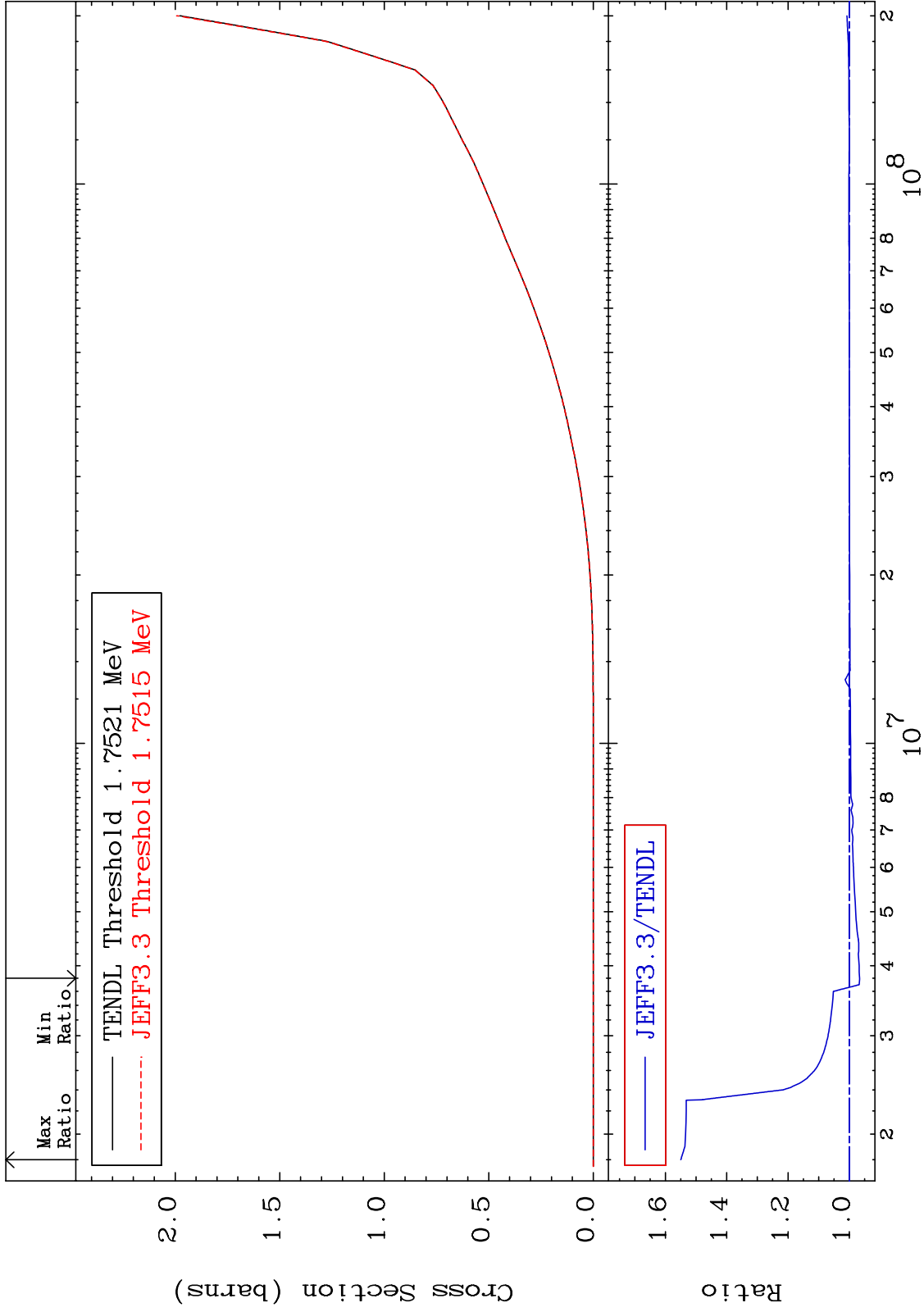
MAT 7643 (n,p)  $\alpha$  76-Os-190  
 Cross Section 0.000 To 9999. %



MAT 7643

Hydrogen Production  
Cross Section

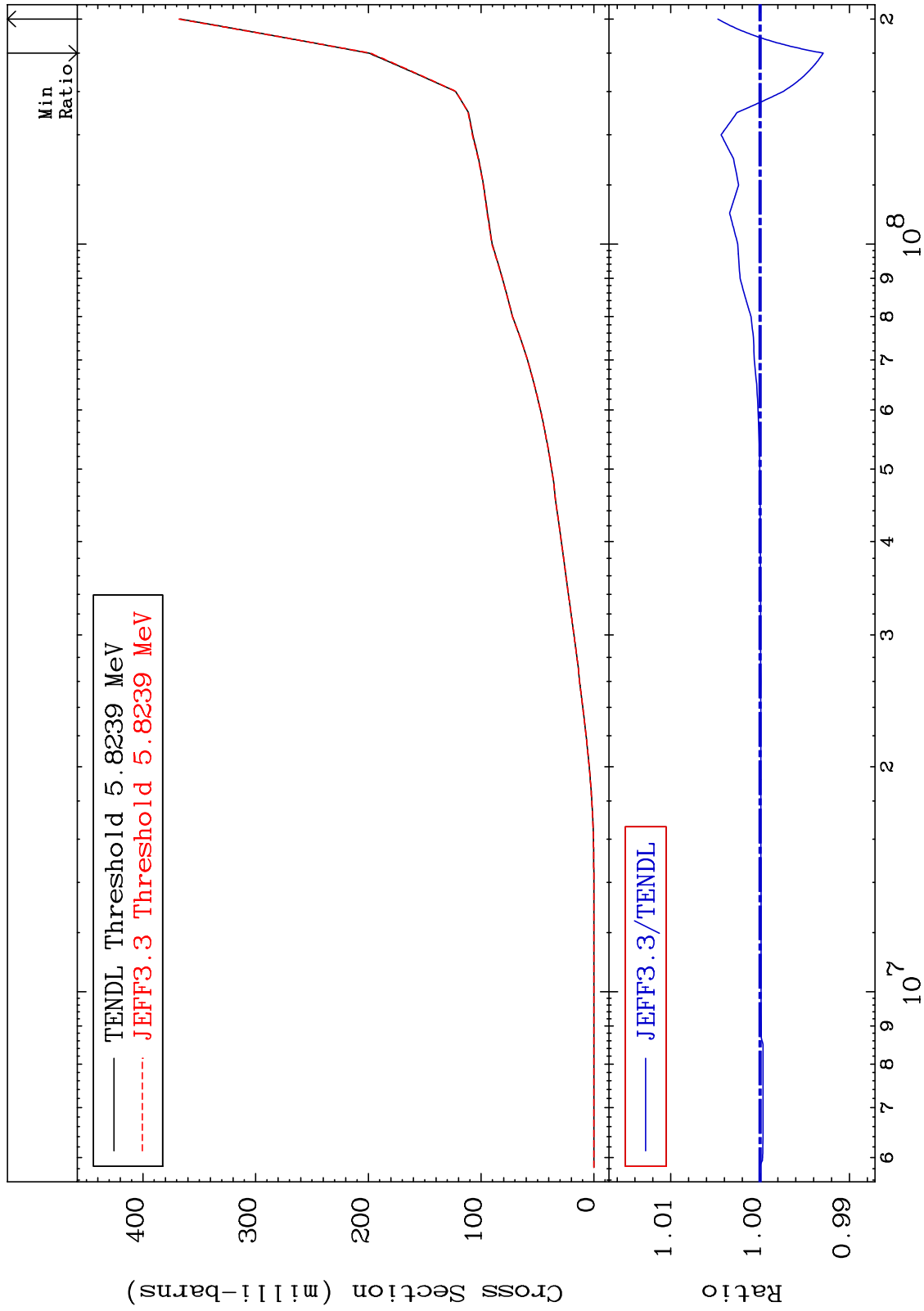
76-0s-190  
-3.388 To 54.99 %

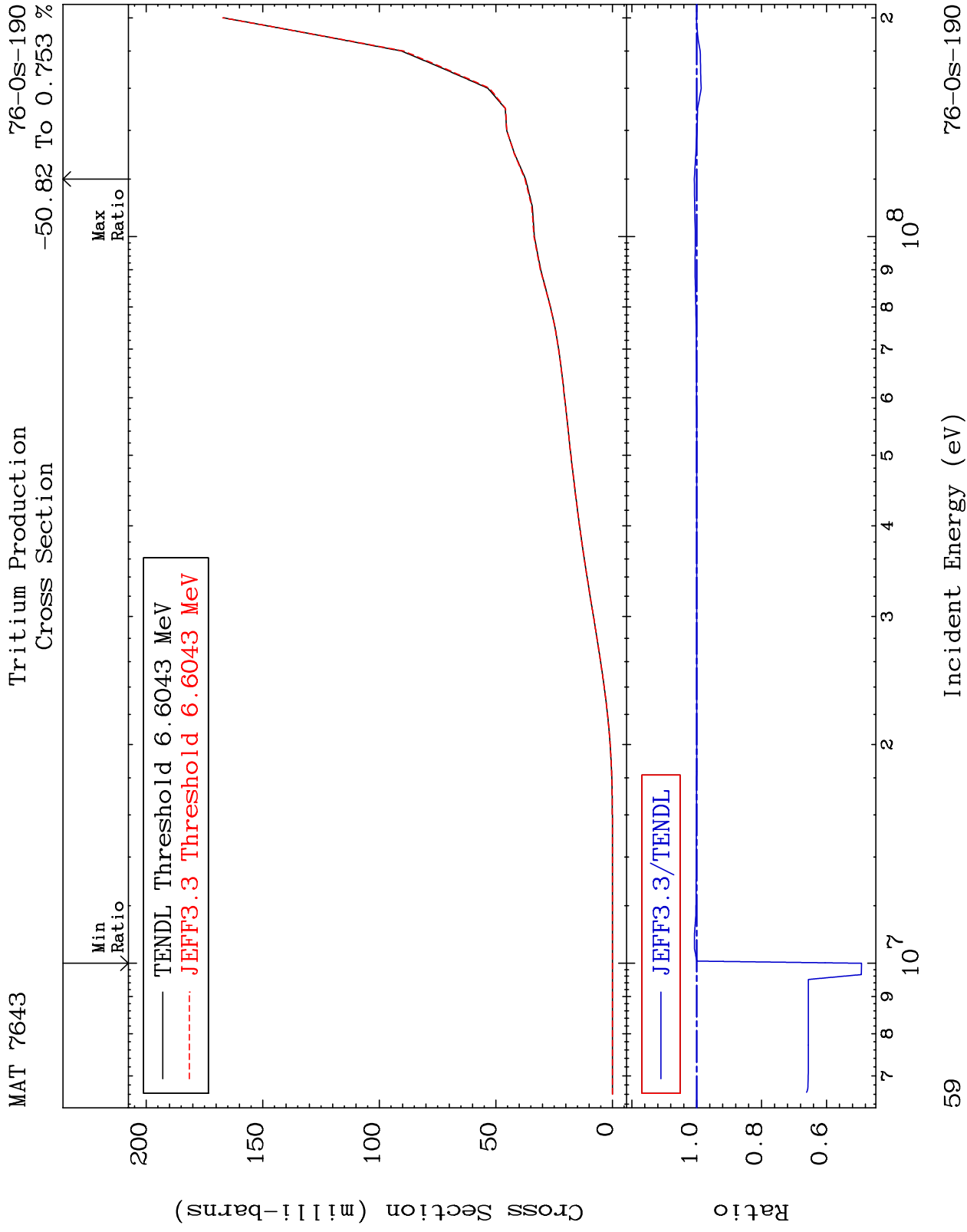


MAT 7643

Deuterium Production  
Cross Section

76-0s-190  
-0.707 To 0.474 %

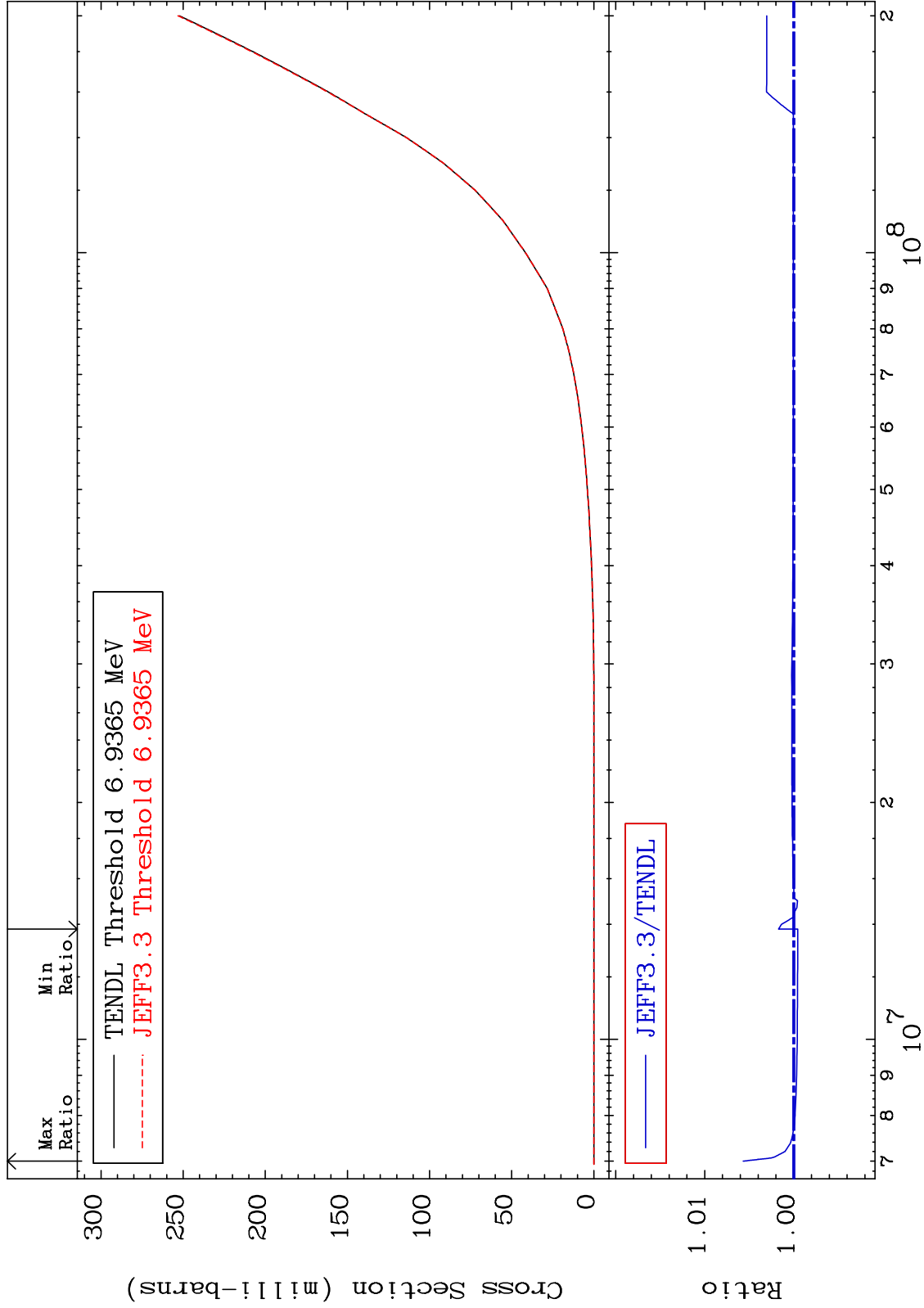




MAT 7643

He-3 Production  
Cross Section

76-0s-190  
-0.046 To 0.568 %



60

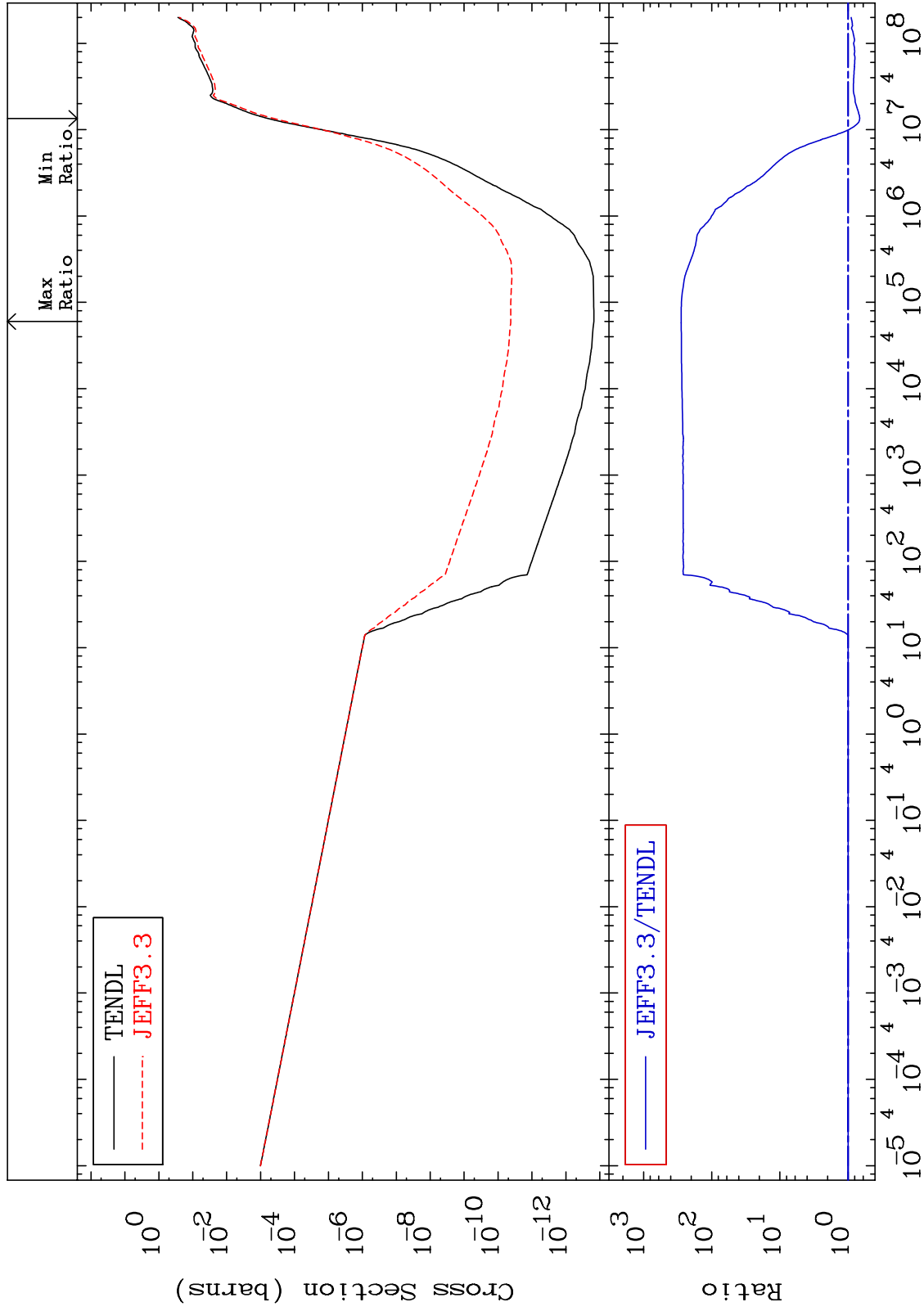
Incident Energy (eV)

76-0s-190

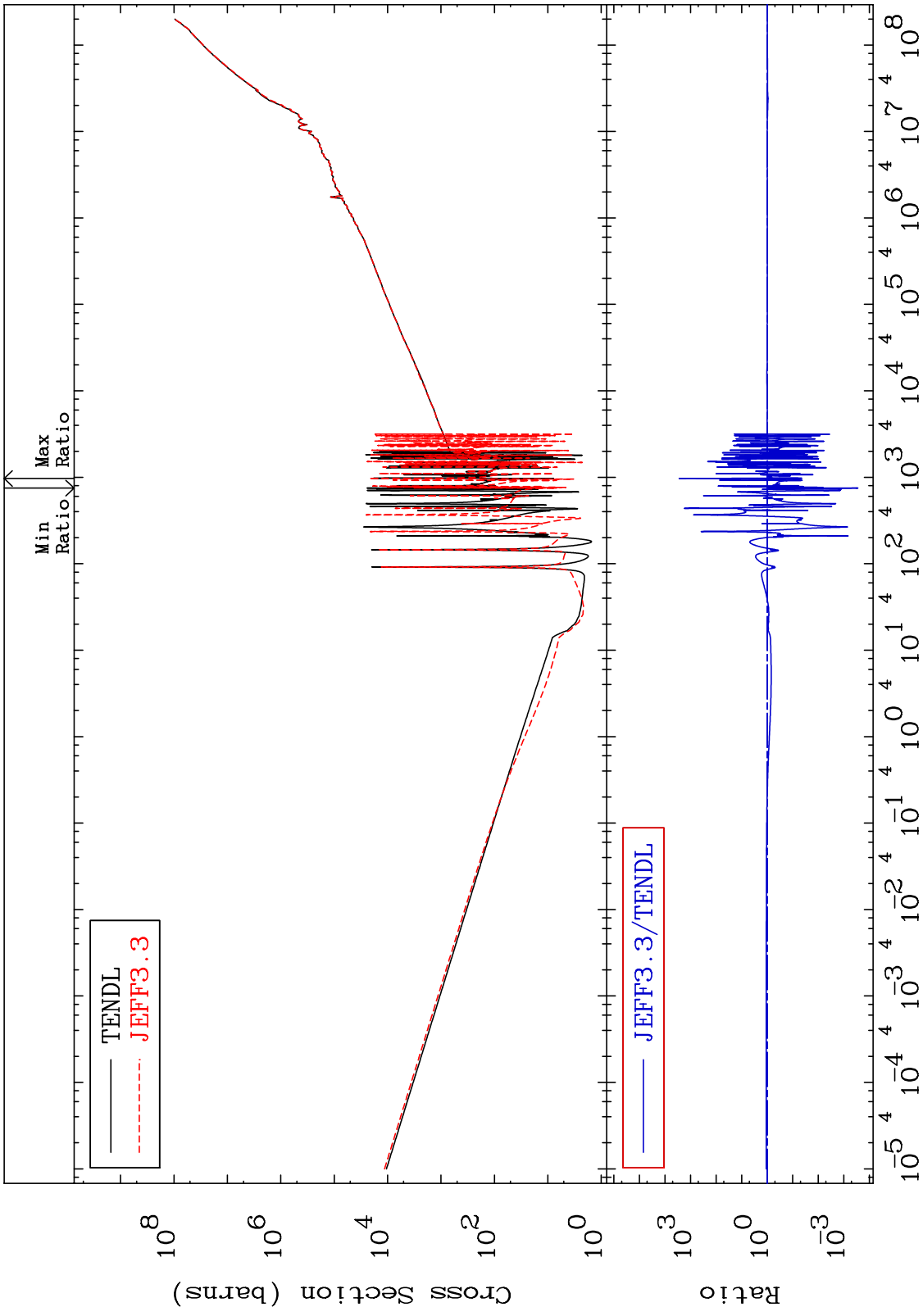
MAT 7643

He-4 Production  
Cross Section

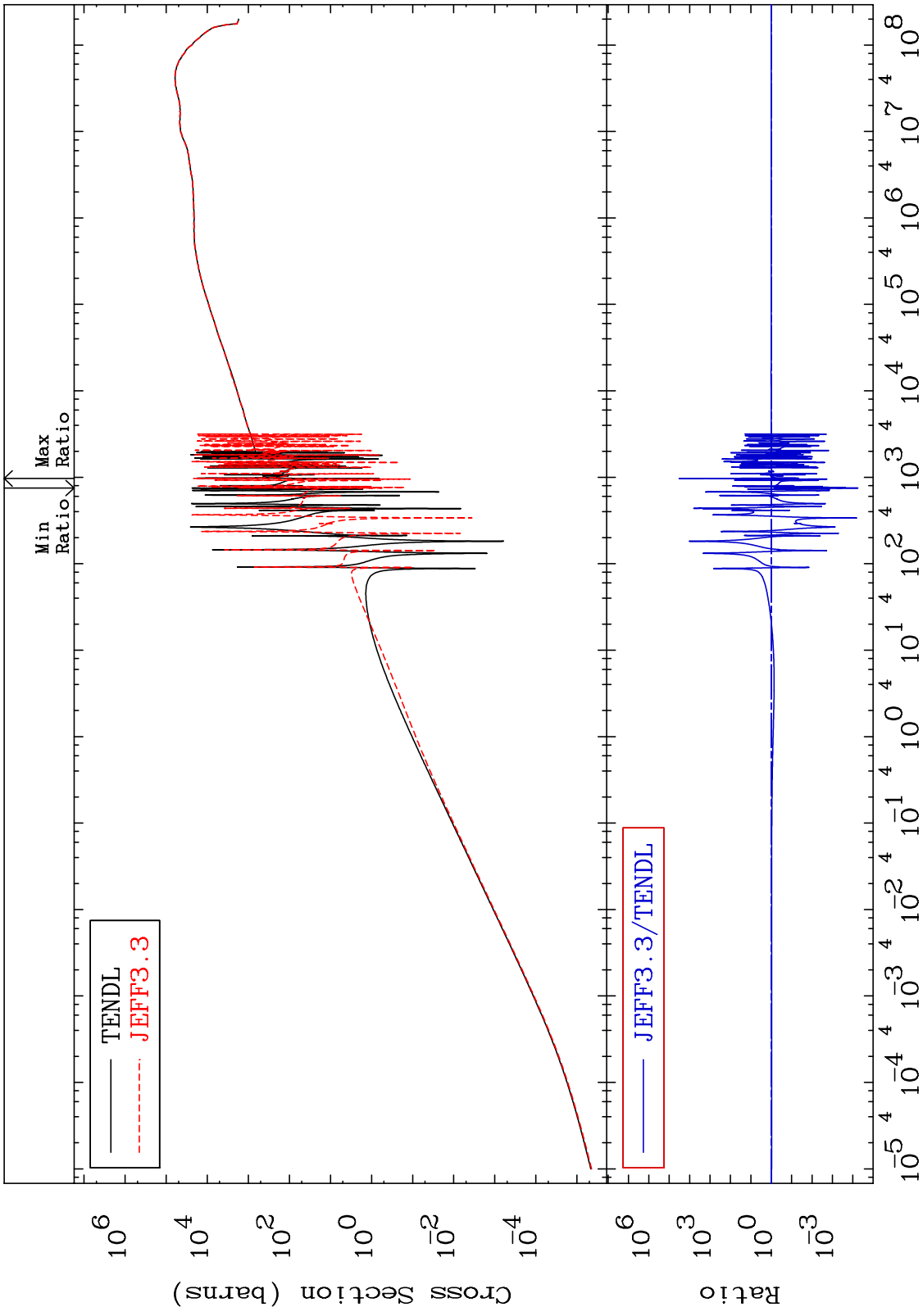
76-0s-190  
-32.54 To 9999. %



MAT 7643 Kerma total (eV-barns) 76-Os-190  
Cross Section -99.97 To 9999. %

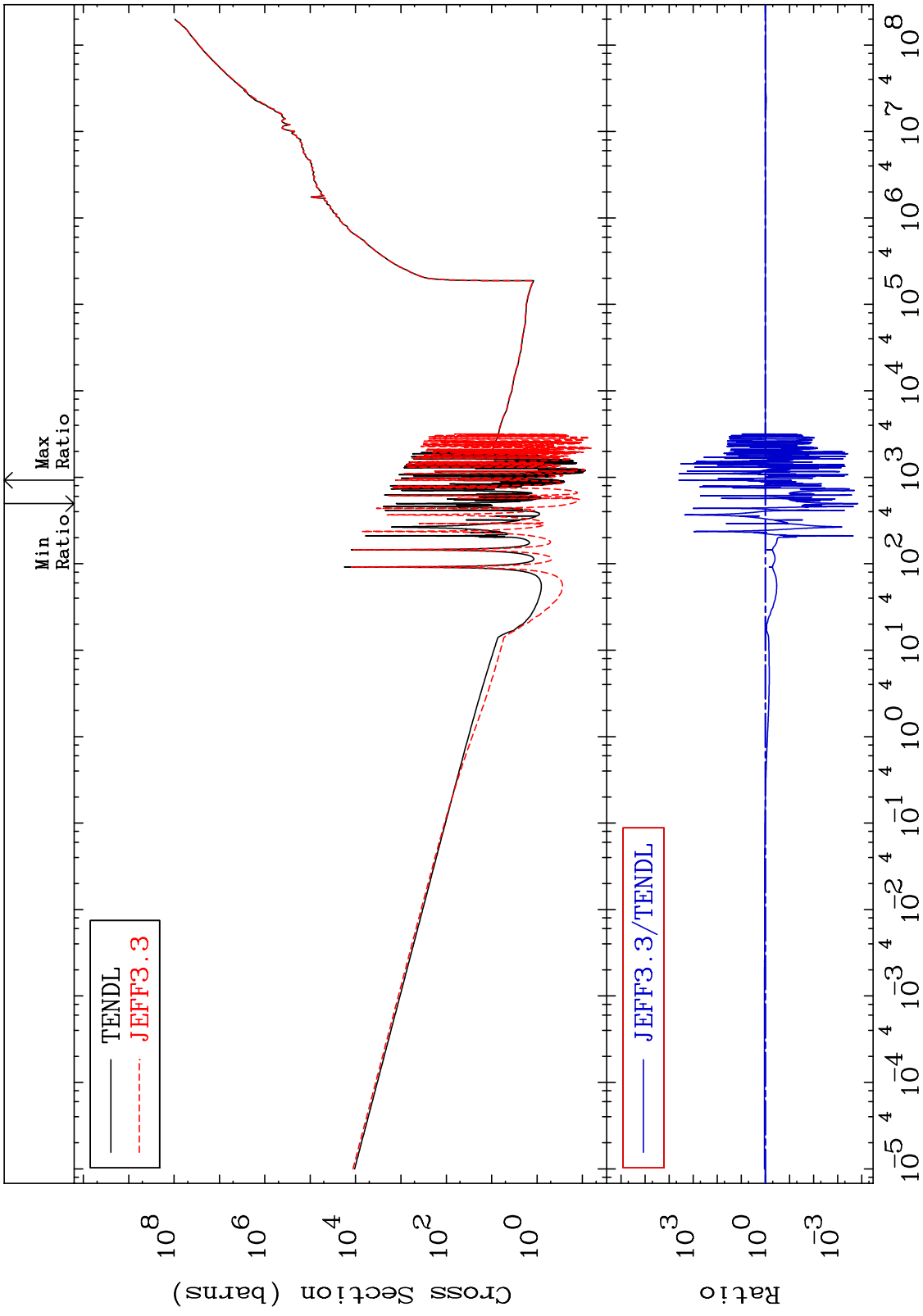


MAT 7643      Kerma elastic Cross Section      76-Os-190  
 -99.99 To 9999. %

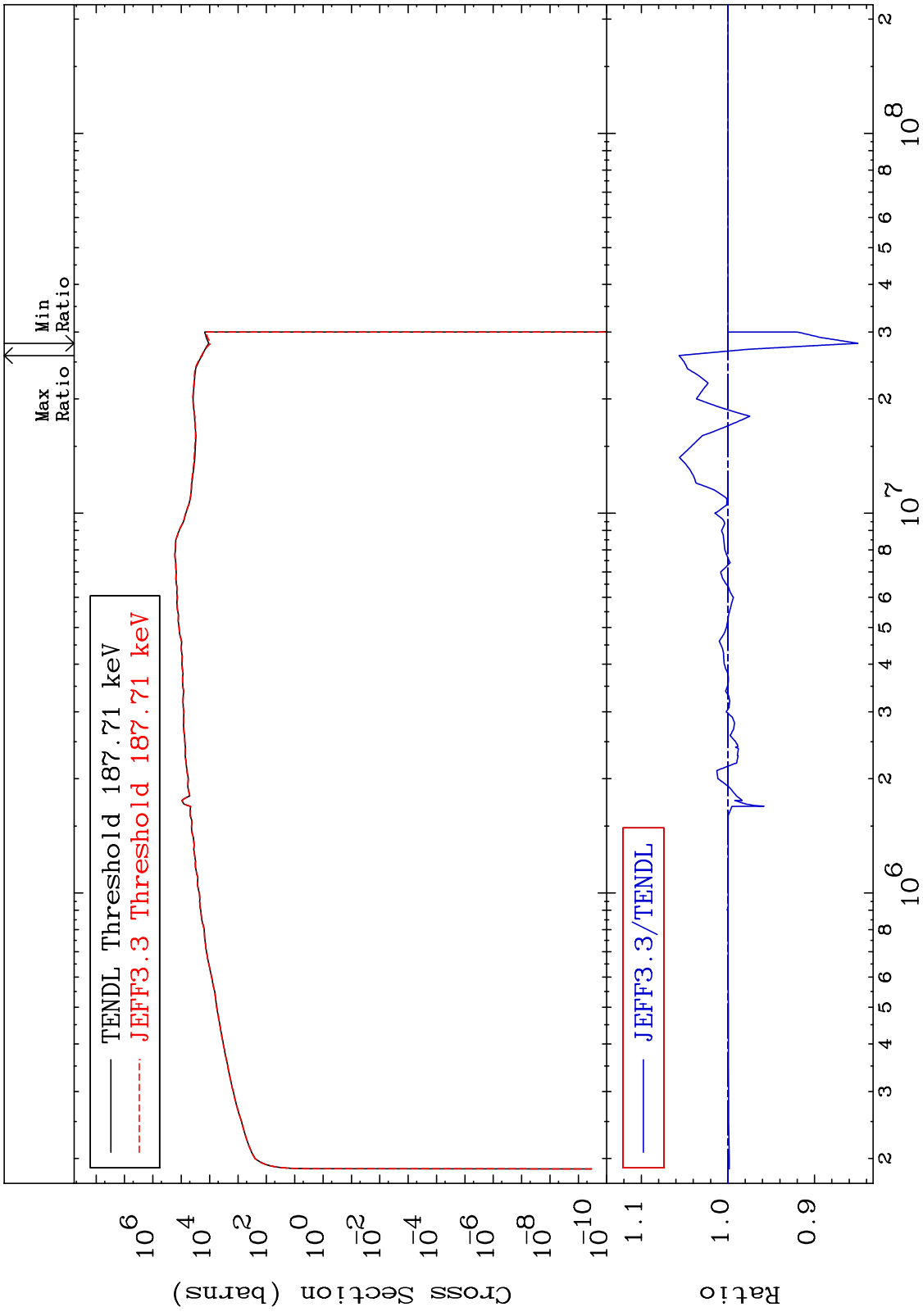




MAT 7643 Kerma non-elastic (all but mt2) 76-Os-190  
 -99.99 To 9999. %  
 Cross Section



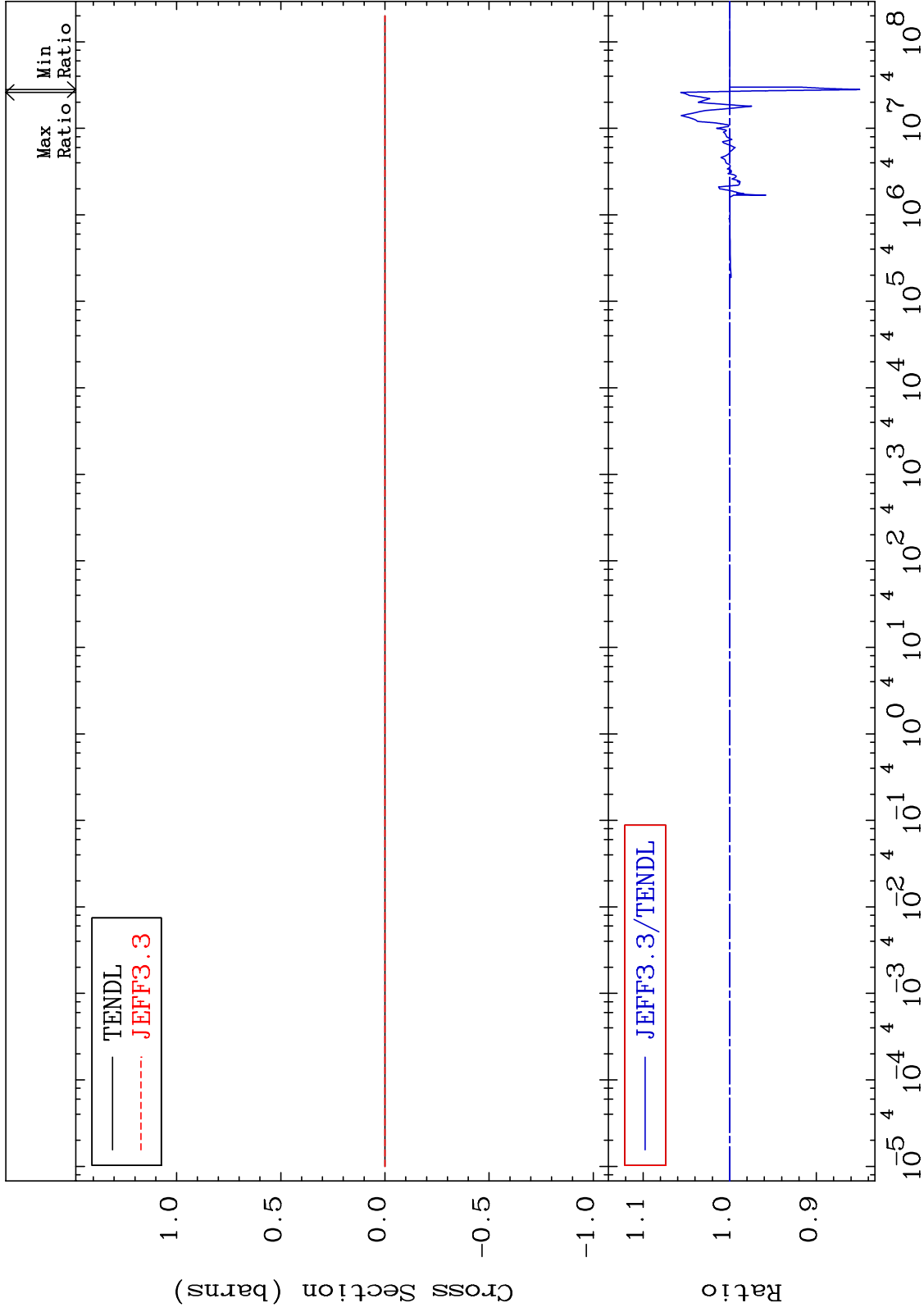
MAT 7643 Kerma inelastic (mt51-91) 76-Os-190  
 Cross Section -15.00 To 5.640 %



MAT 7643

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

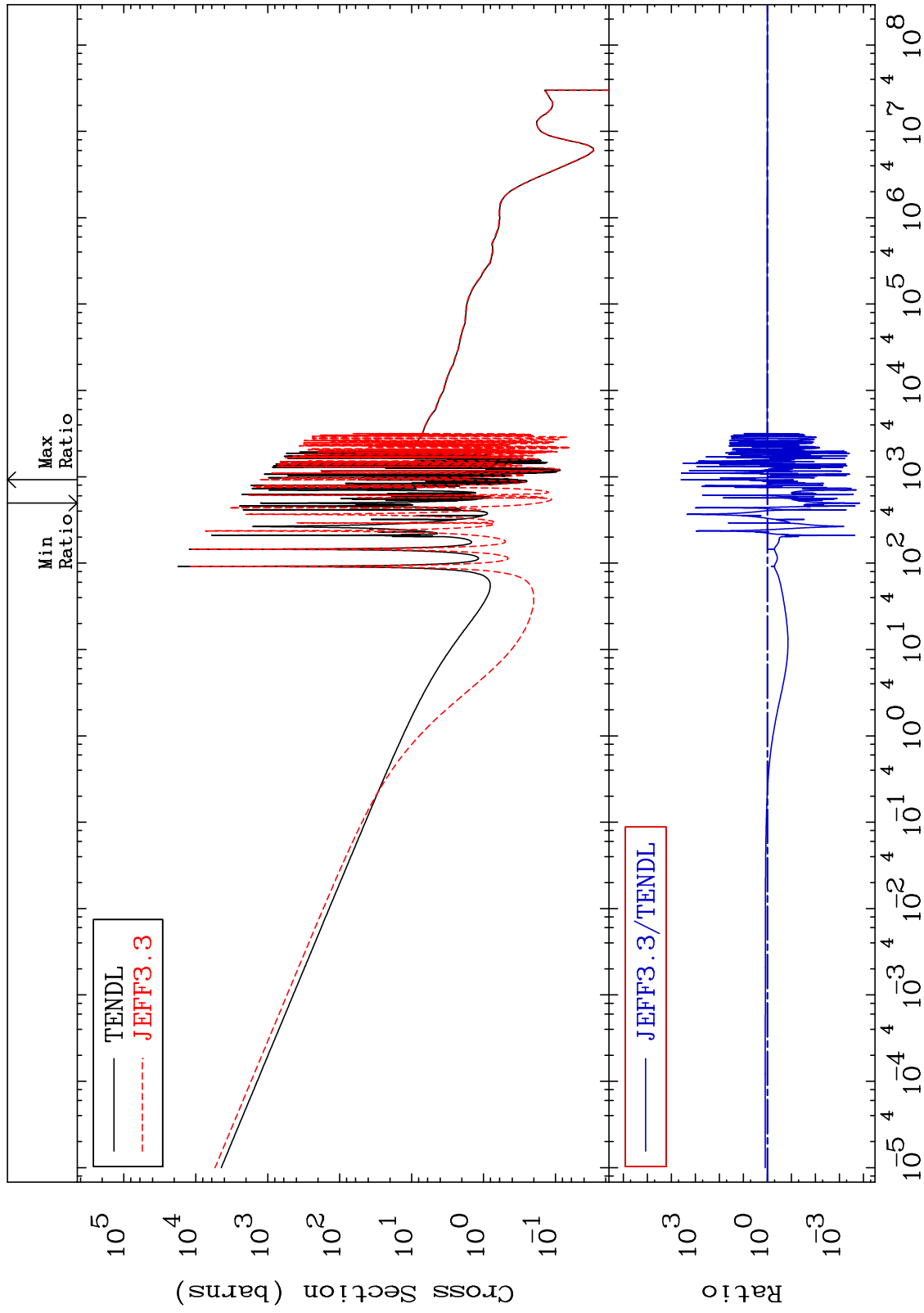
76-0s-190  
-15.00 To 5.640 %



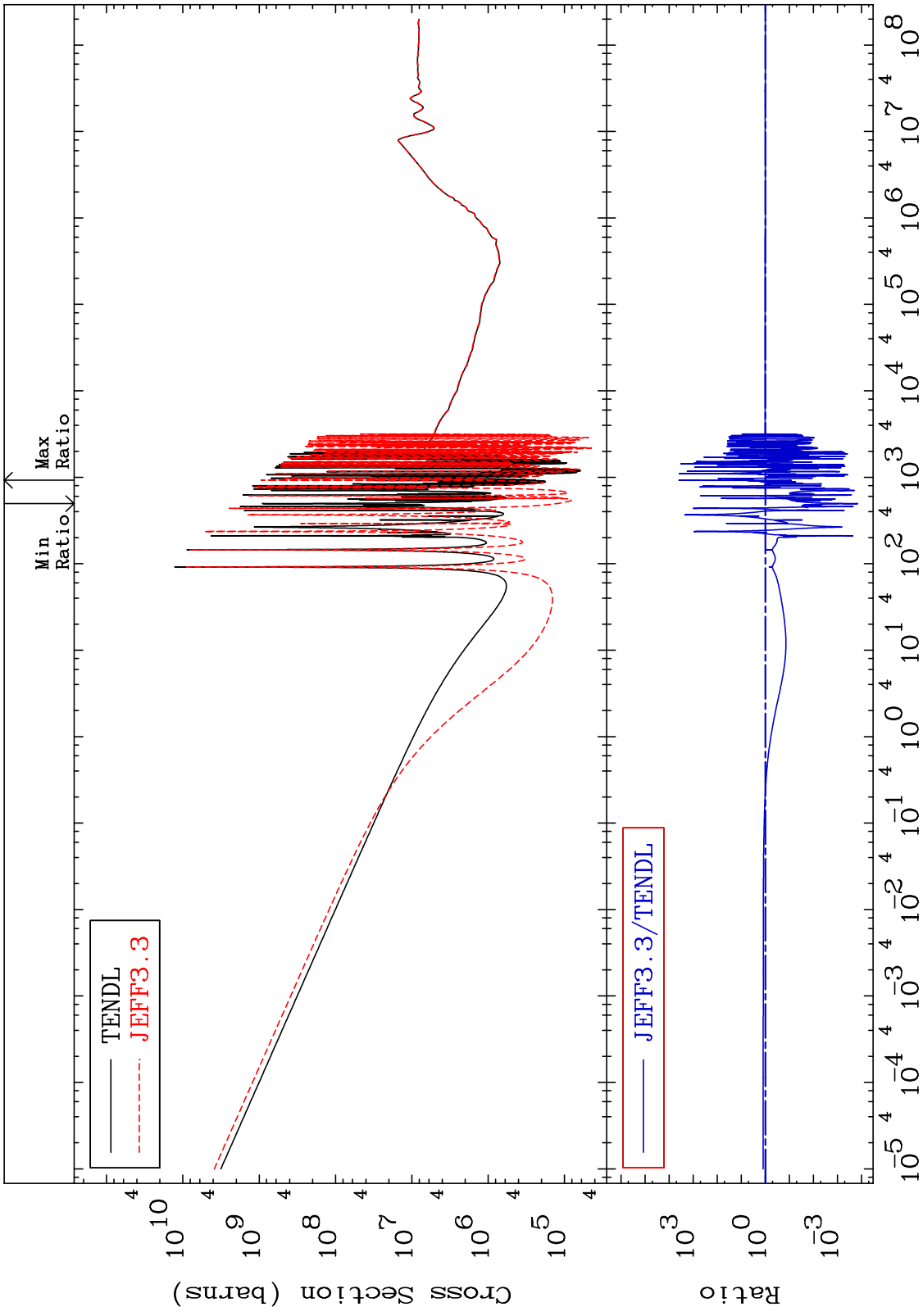
MAT 7643

Kerma capture (mt102)  
Cross Section

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

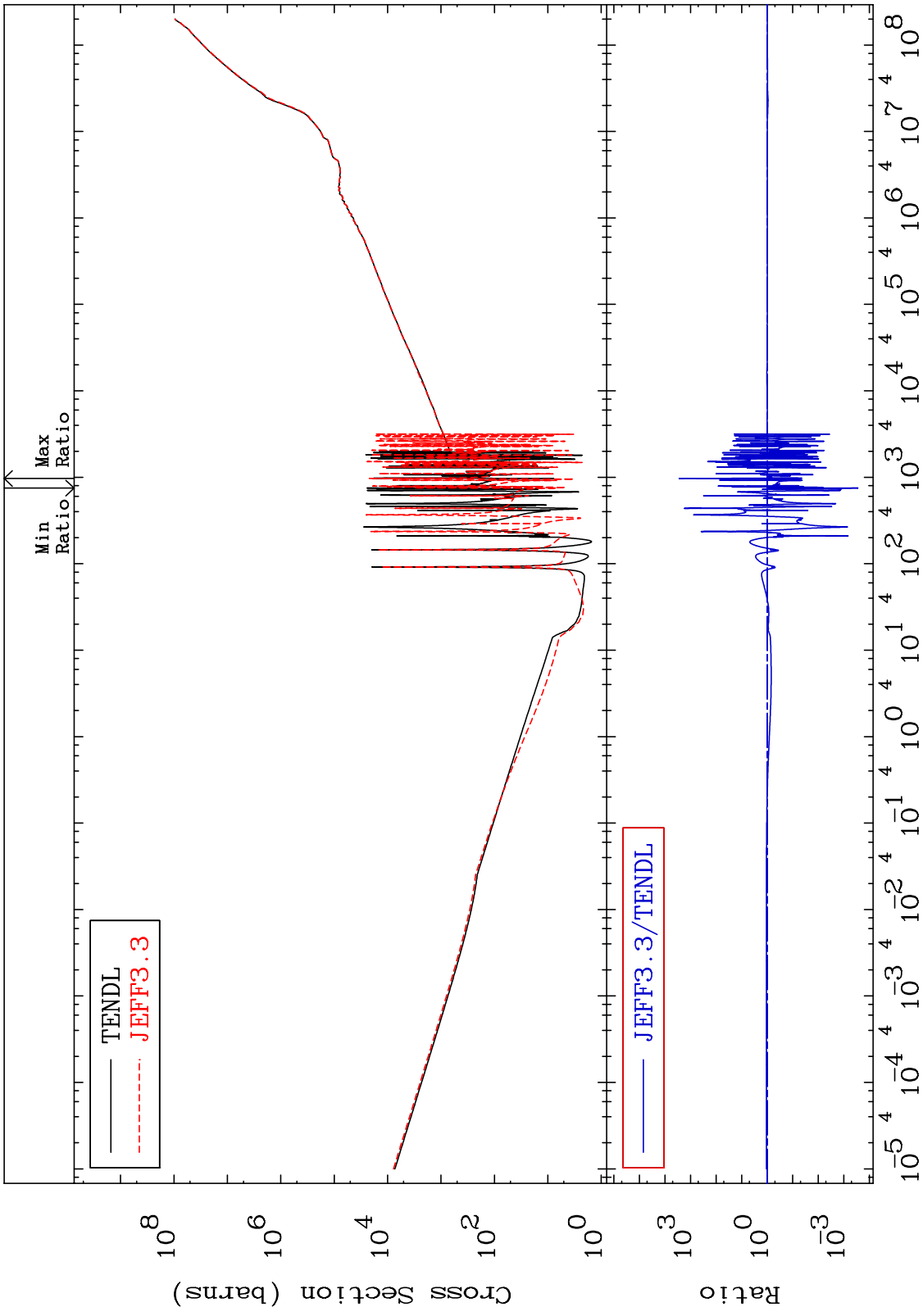


MAT 7643 Total photon (eV-barns) Cross Section 76-0s-190  
 -99.99 To 9999. %

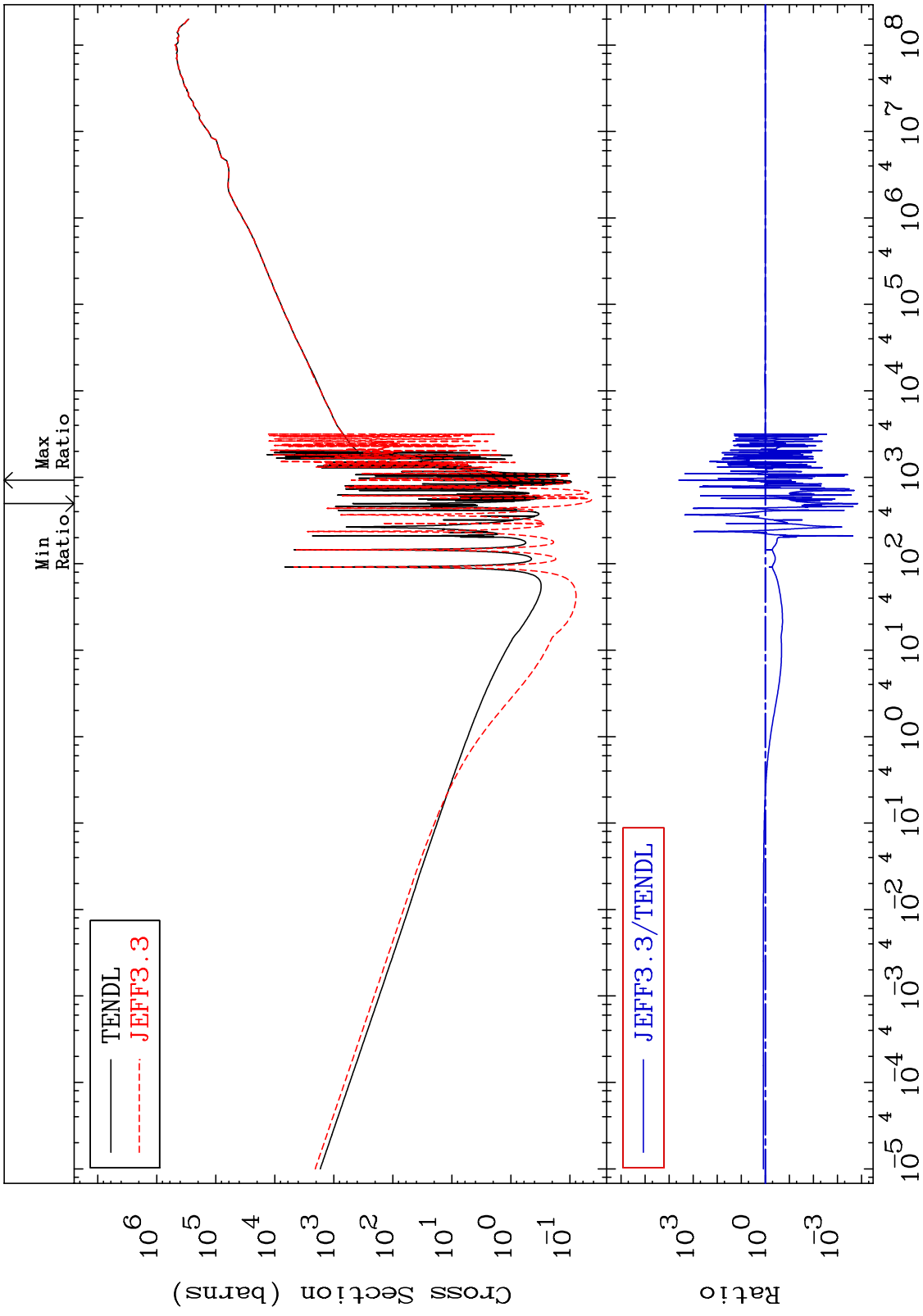


68 Incident Energy (eV) 76-0s-190

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



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

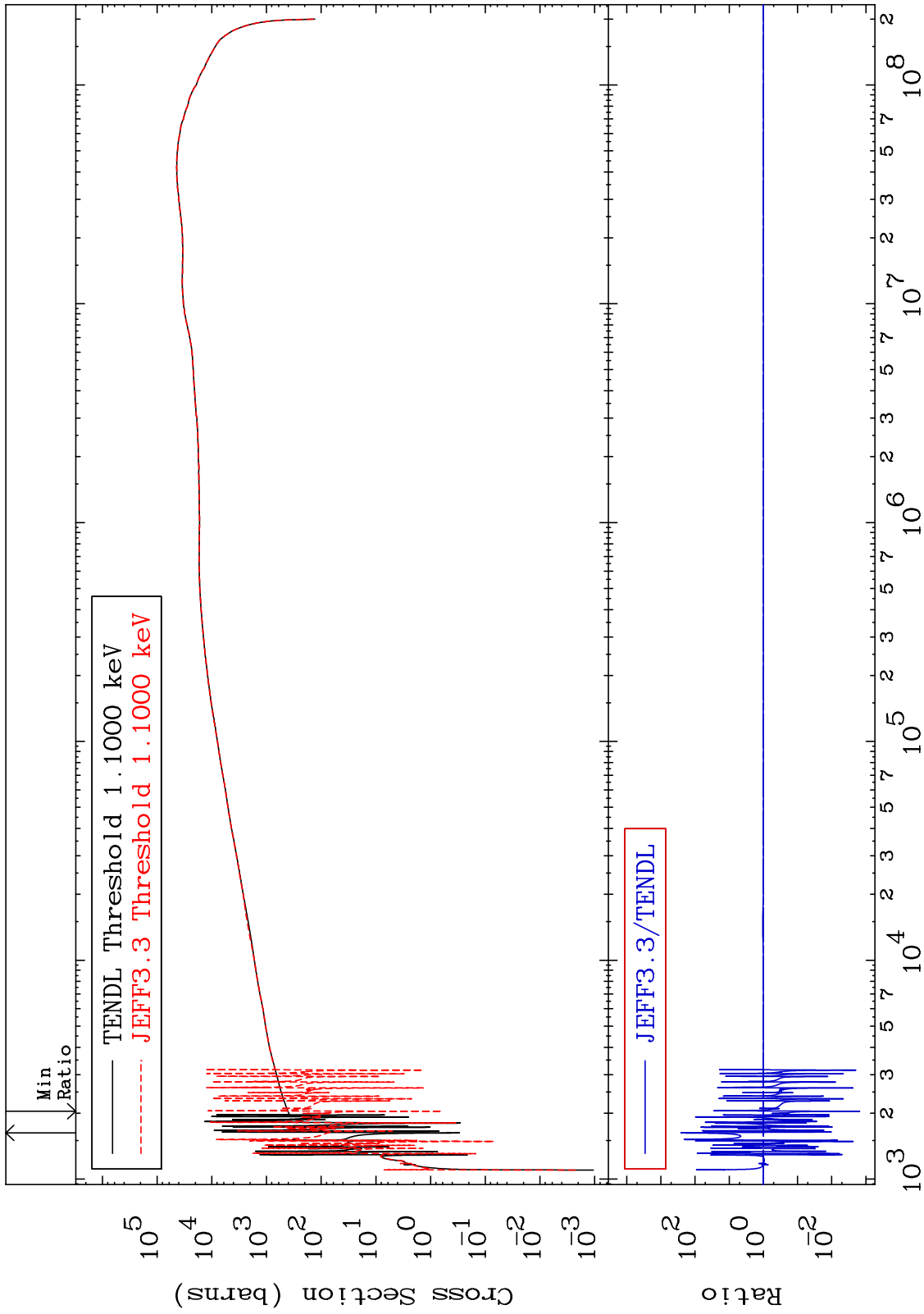


76-Os-190

MAT 7643

Dpa elastic (mt2)  
Cross Section

76-Os-190  
-99.85 To 9999. %



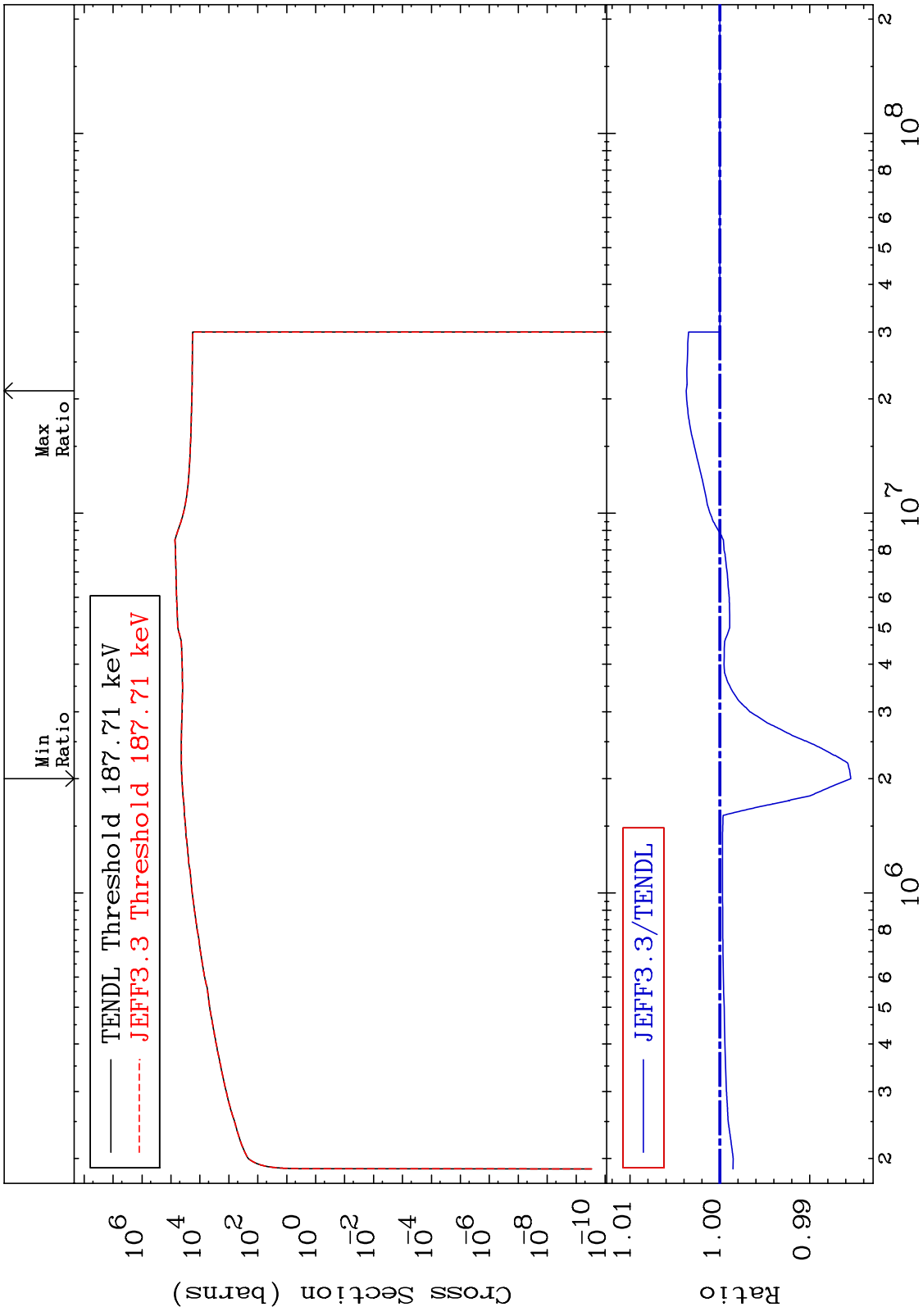
71

Incident Energy (eV)

76-Os-190



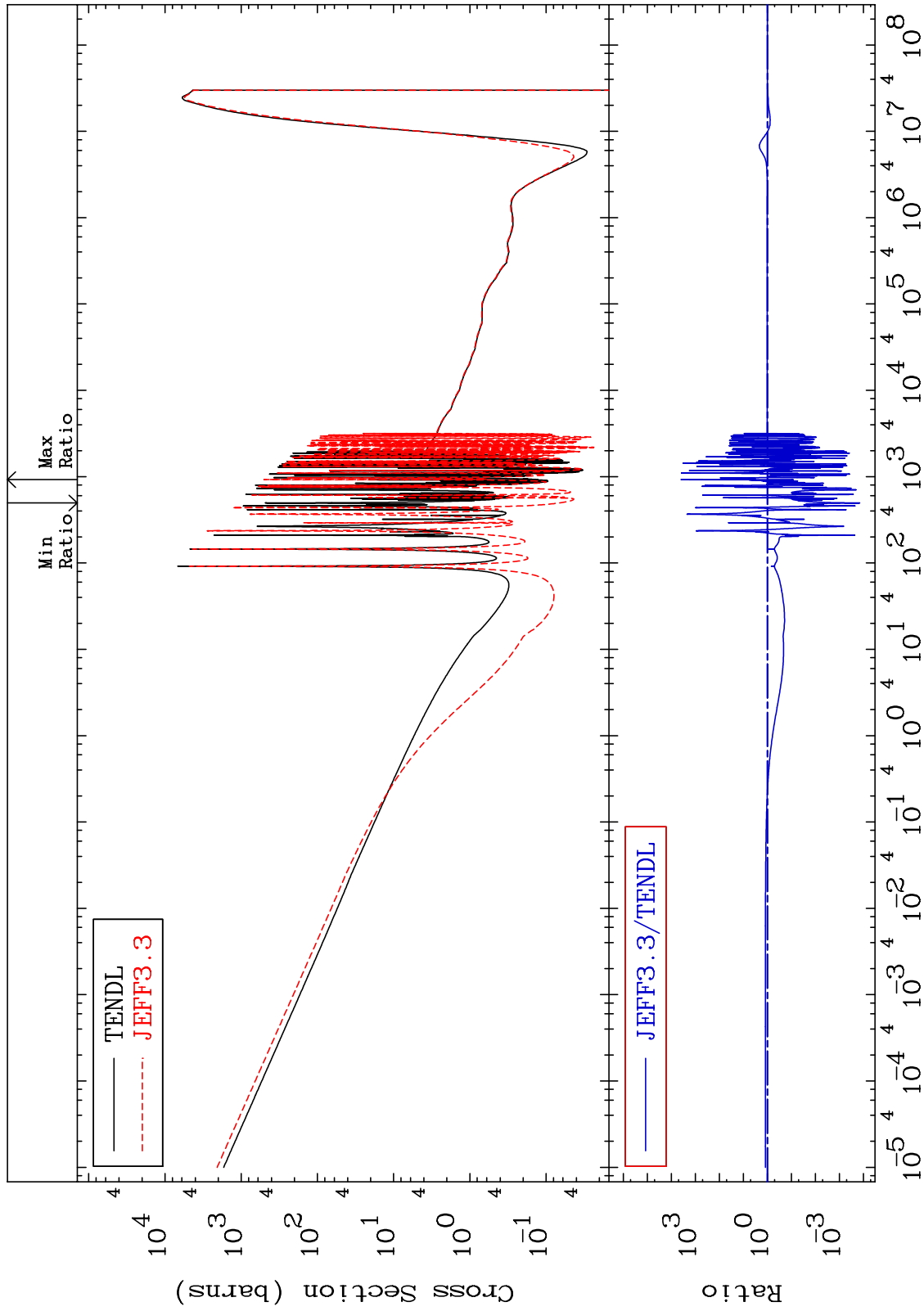
MAT 7643 Dpa inelastic (mt51-91) 76-Os-190  
 Cross Section -1.456 To 0.376 %



MAT 7643

Dpa disappearance (mt102 -120)  
Cross Section

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



73

Incident Energy (eV)

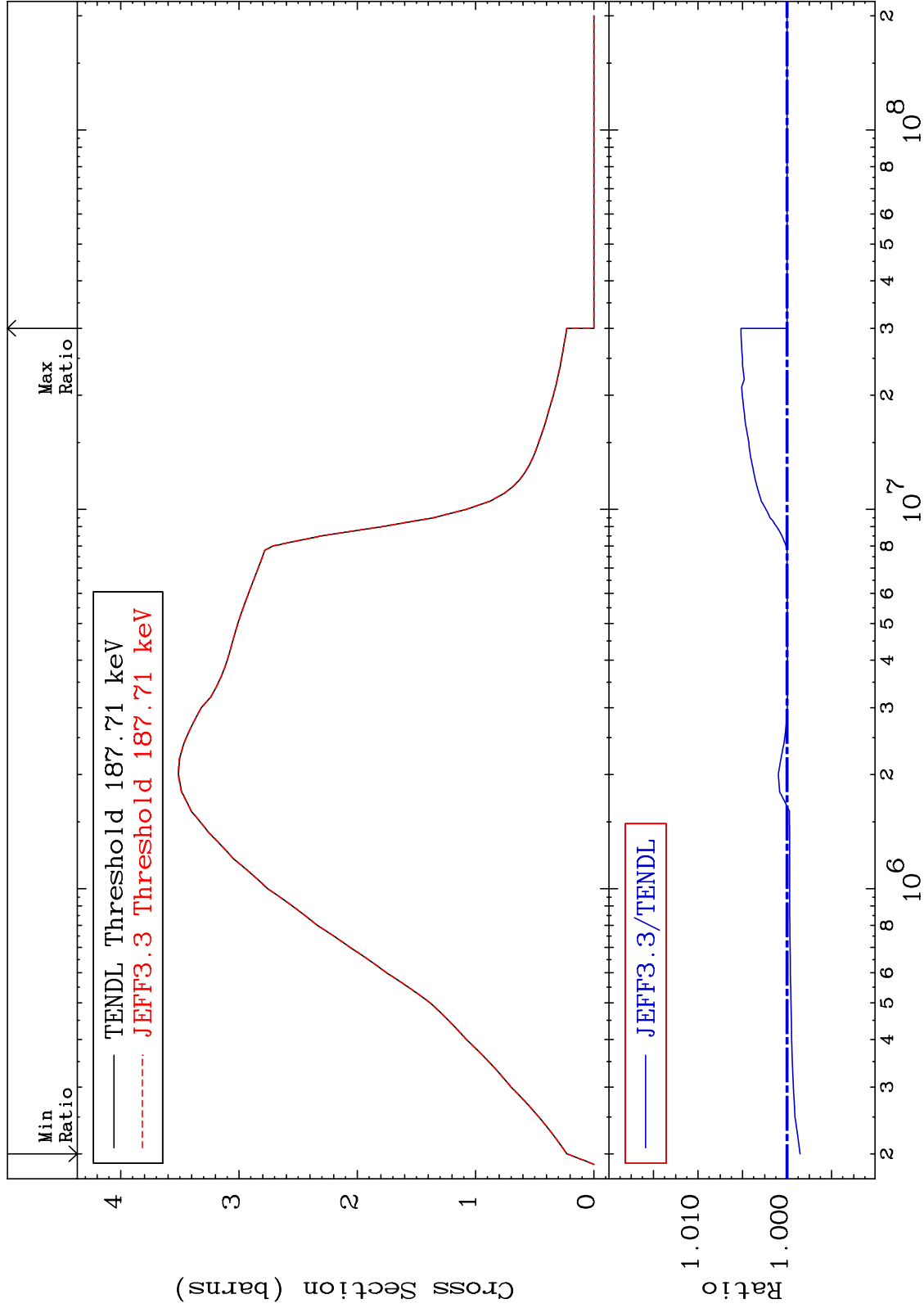
76-0s-190

MAT 7643

Inelastic: 76-0s-190g

76-0s-190

Radionuclide Production Cross Section -0.146 To 0.517 %



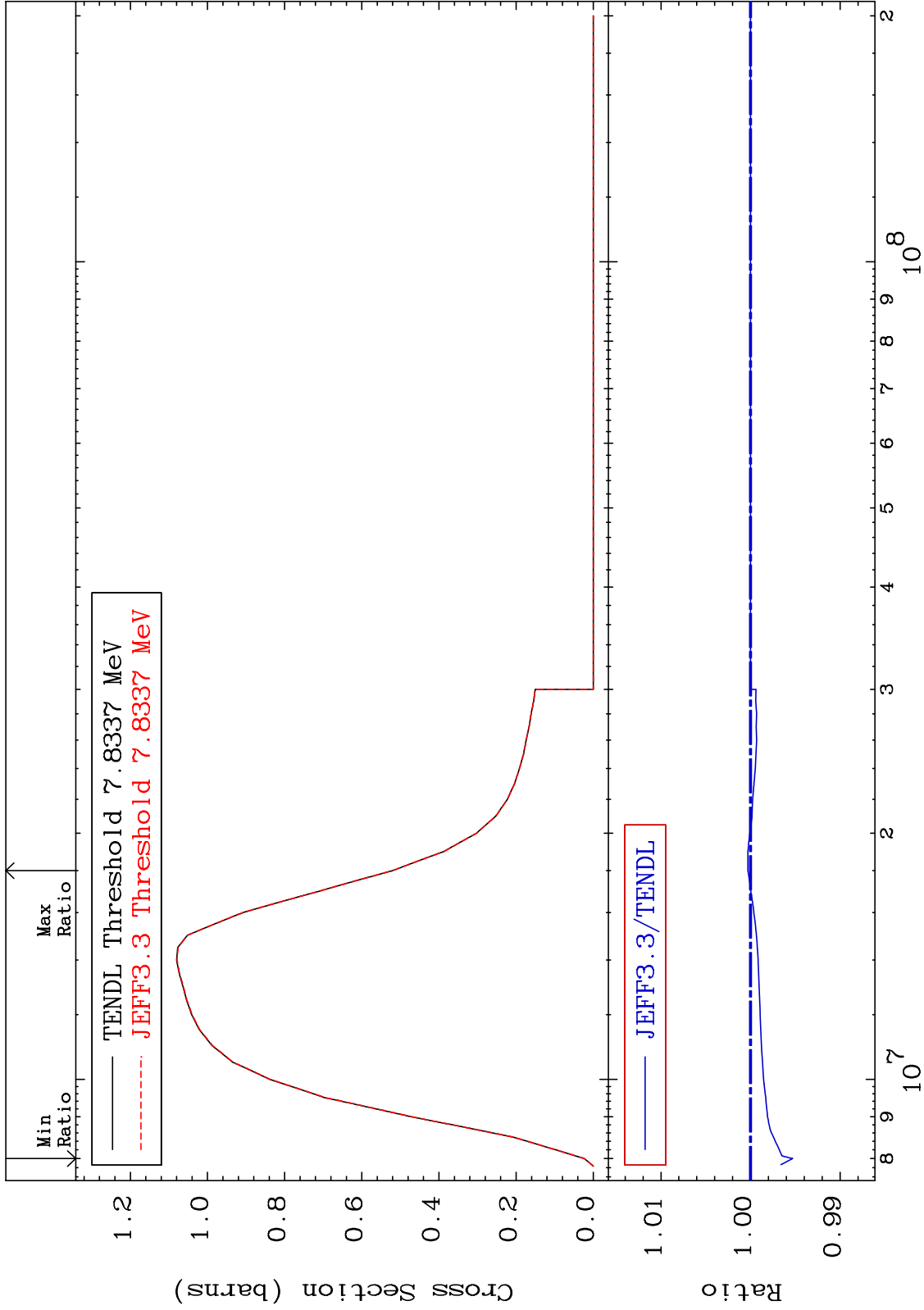
74

Incident Energy (eV)

76-0s-190

MAT 7643

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



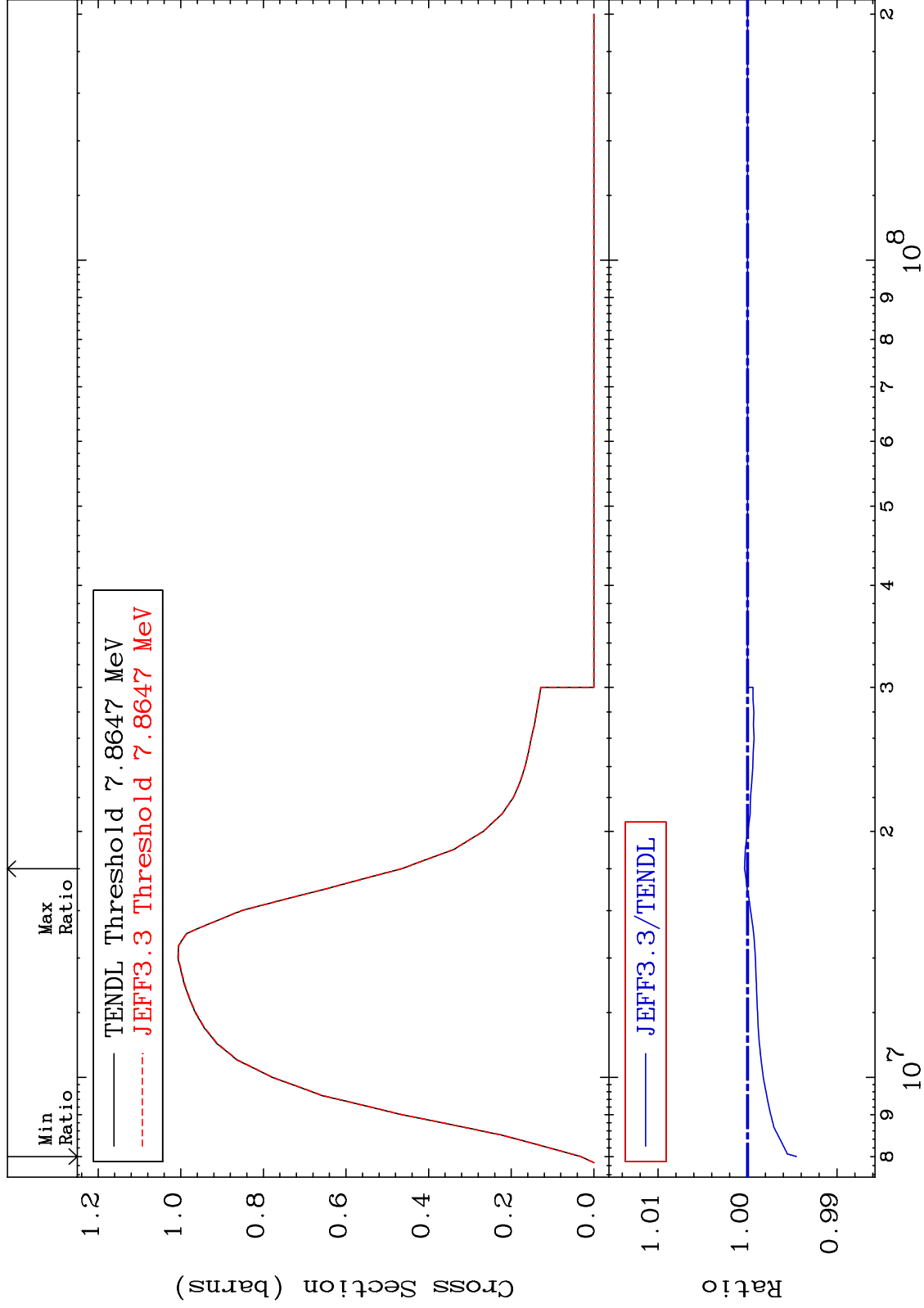
75

MAT 7643

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

76-0s-190

Radionuclide Production Cross Section -0.547 To 0.034 %



76

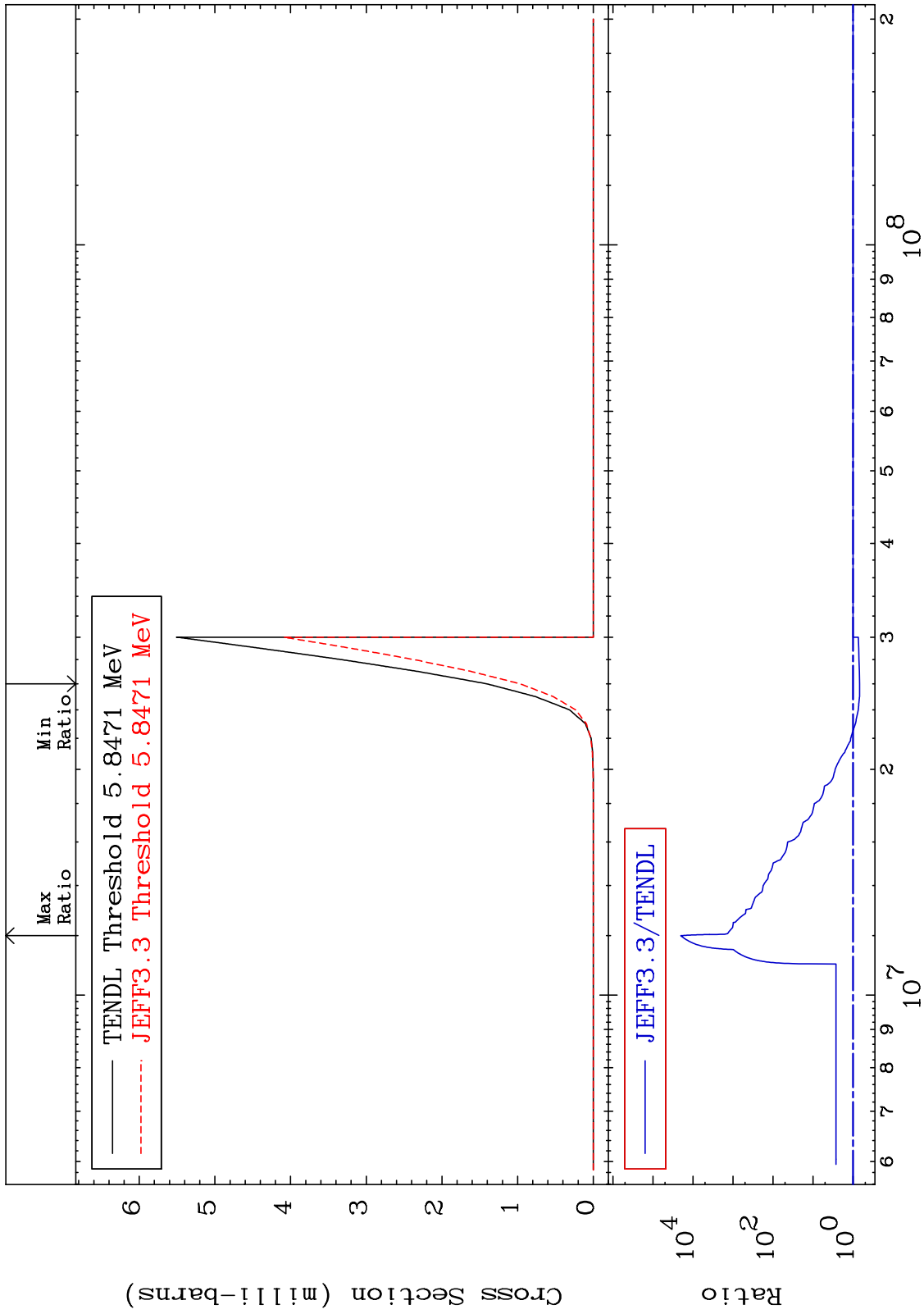
Incident Energy (eV)

76-0s-190

MAT 7643

(n,2n)  $\alpha$ : 74-W -185g  
Radionuclide Production Cross Section -31.24 To 9999. %

76-0s-190



77

Incident Energy (eV)

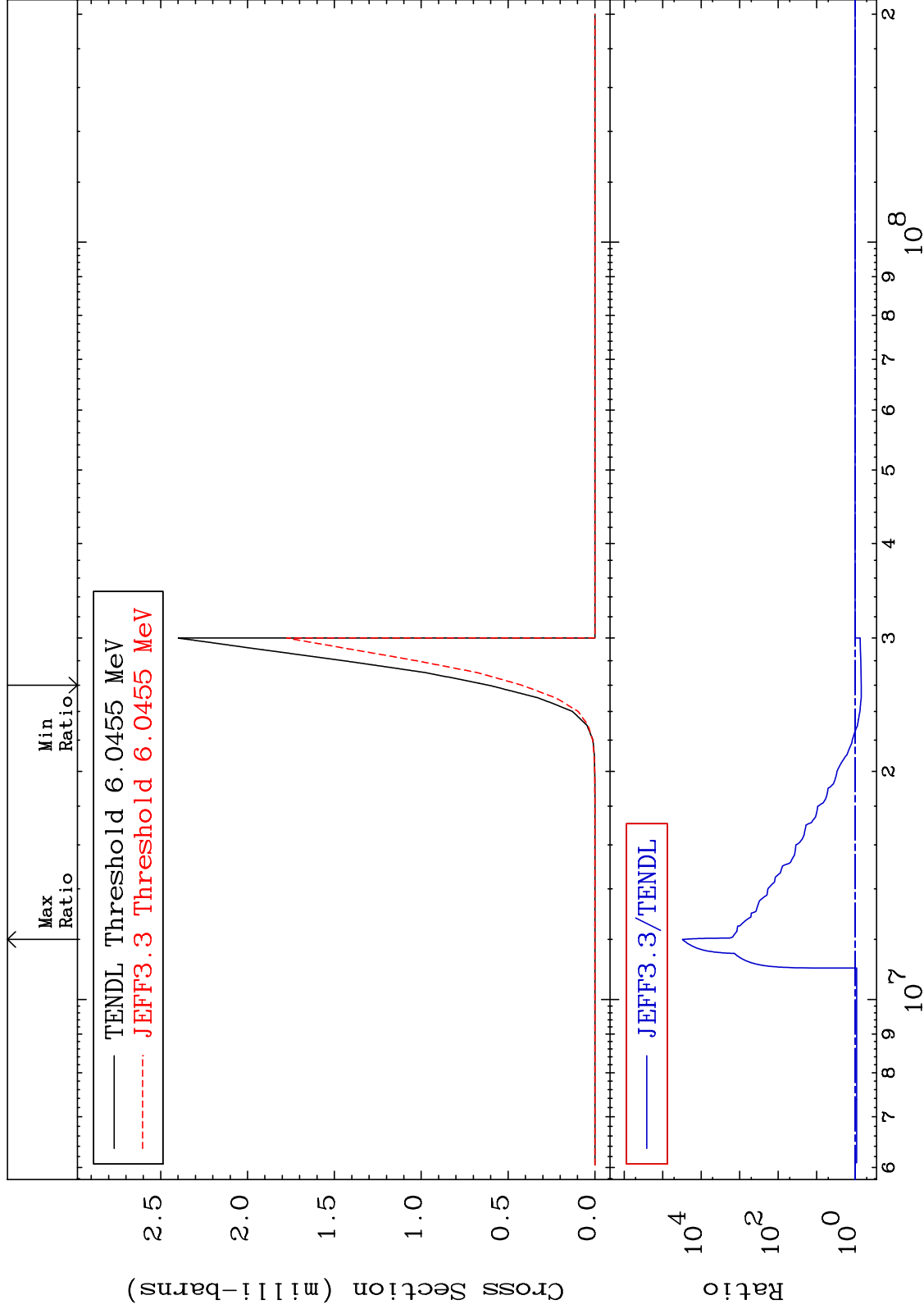
76-0s-190

MAT 7643

(n,2n)  $\alpha$ :74-W -185m6

76-0s-190

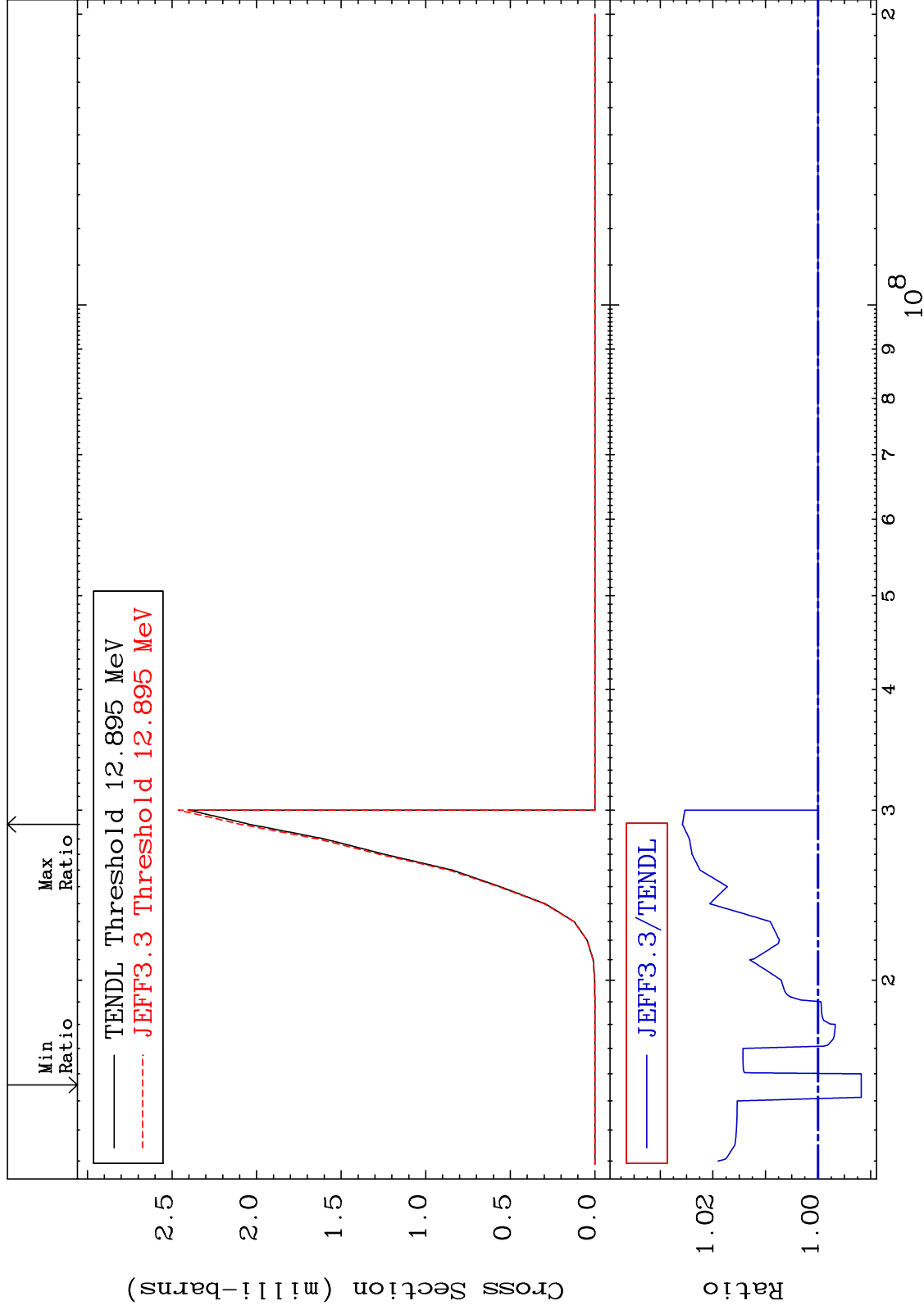
Radionuclide Production Cross Section -31.28 To 9999. %



MAT 7643

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

76-0s-190



79

Incident Energy (eV)

76-0s-190

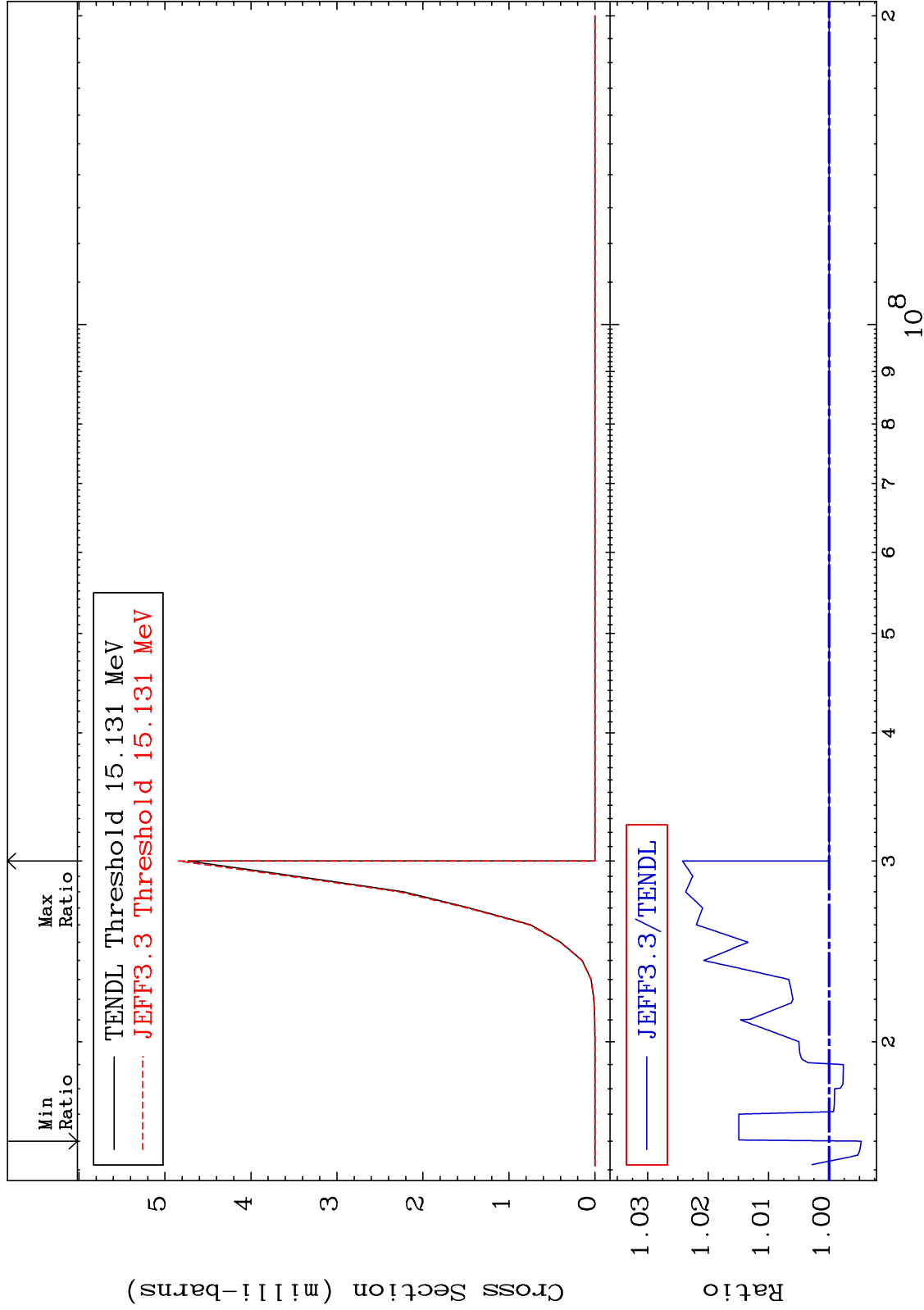


MAT 7643

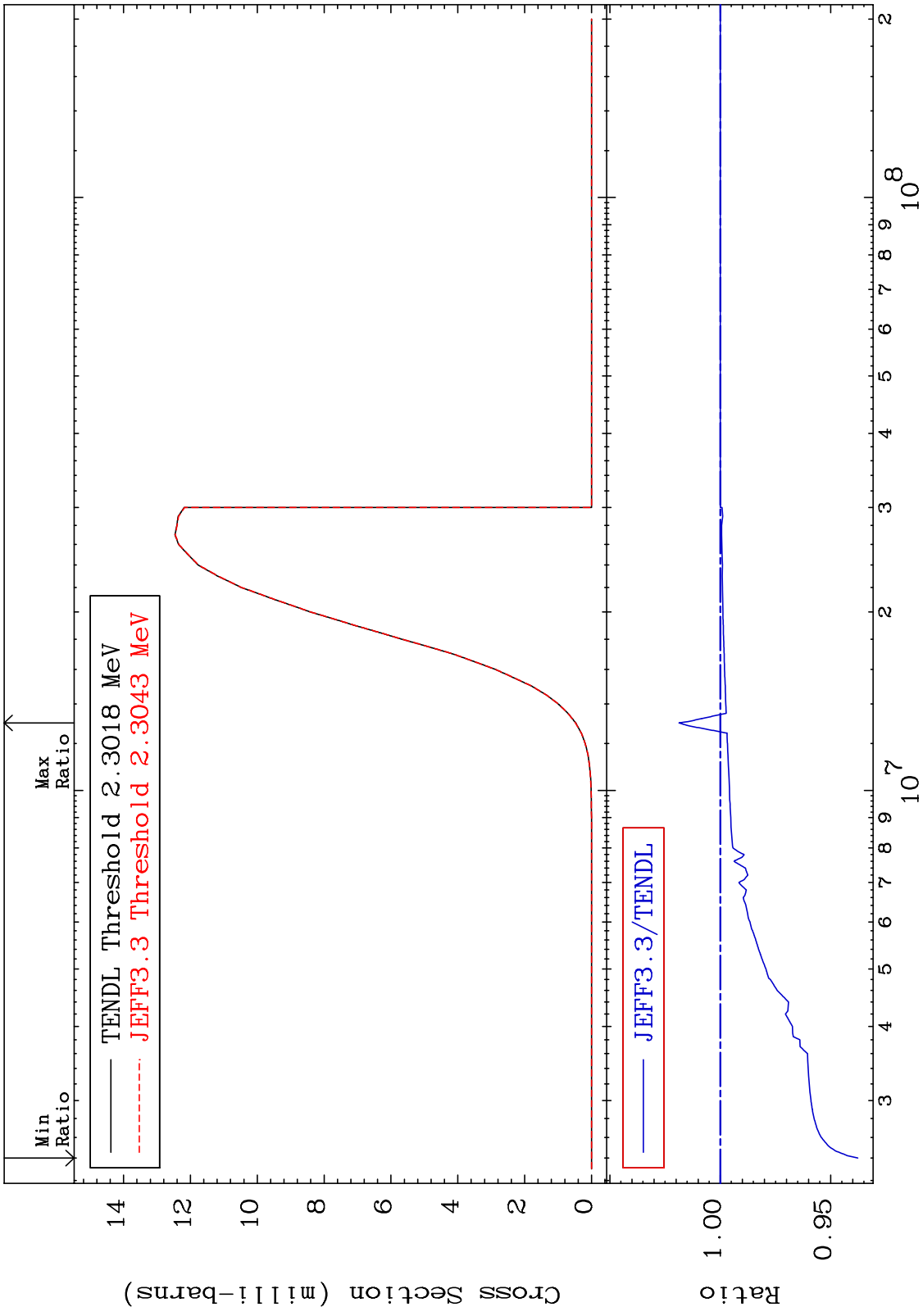
(n,2n) p:75-Re-188g

76-0s-190

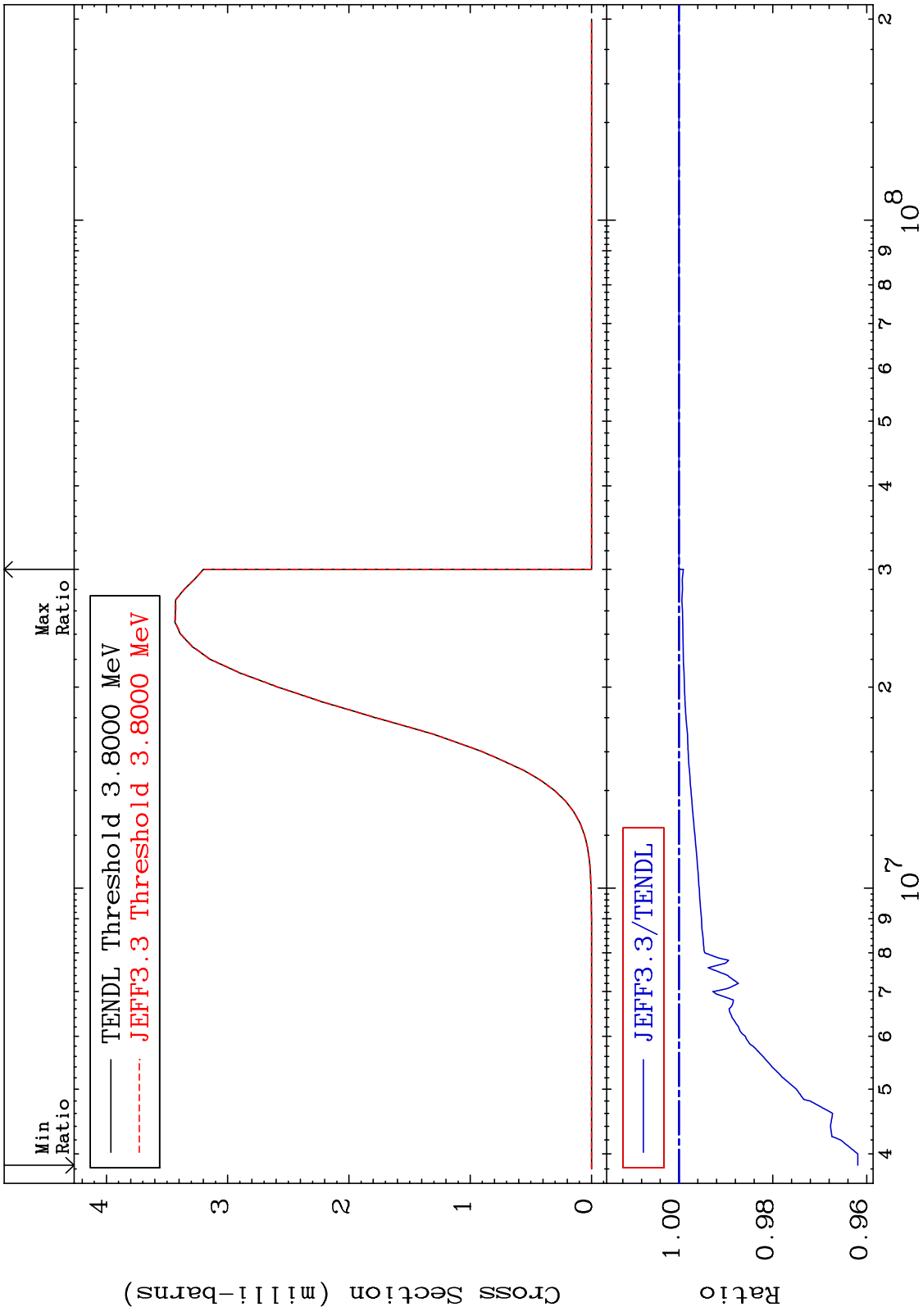
Radionuclide Production Cross Section -0.531 To 2.424 %



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 %

