

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

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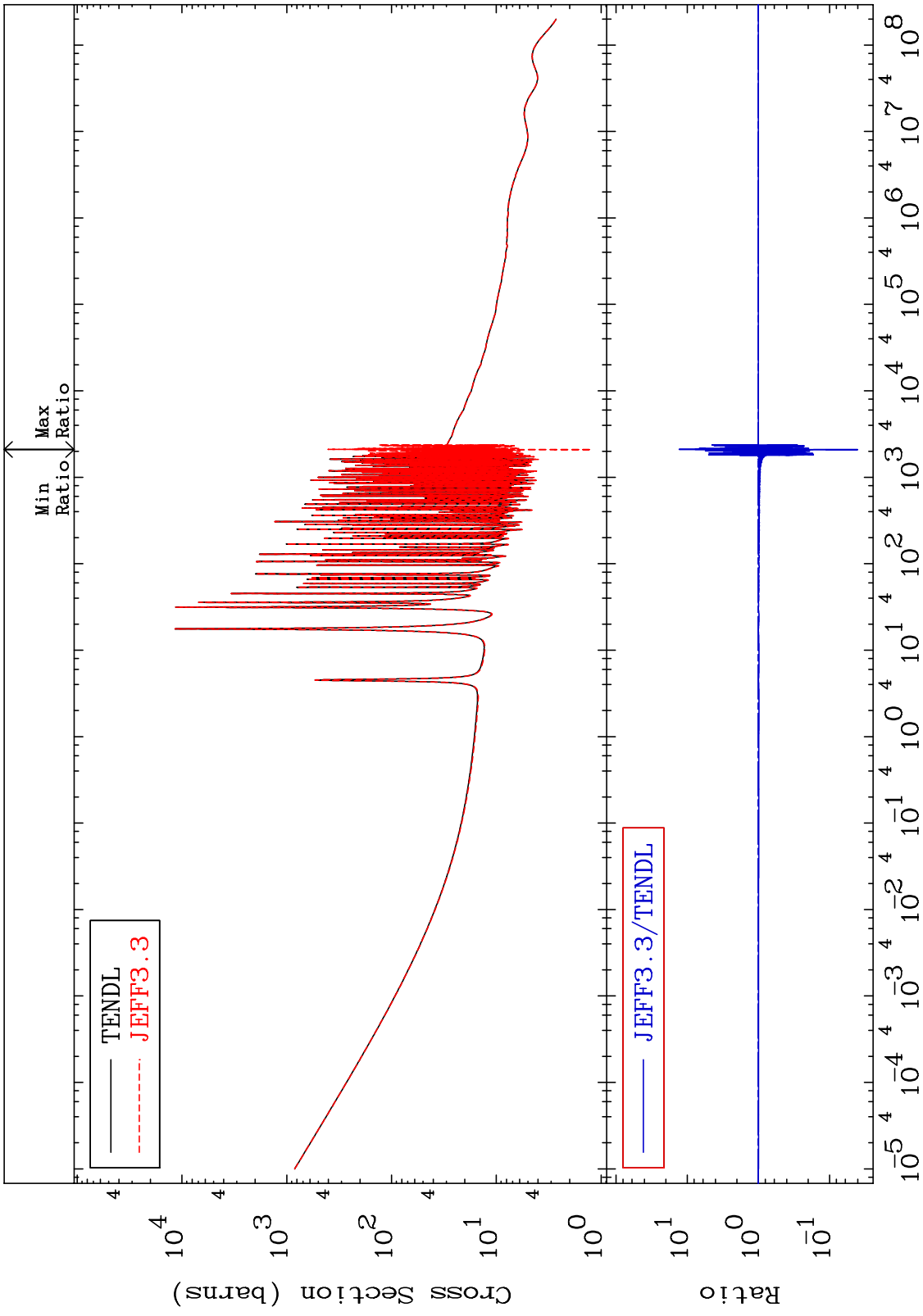
U.S.A.

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

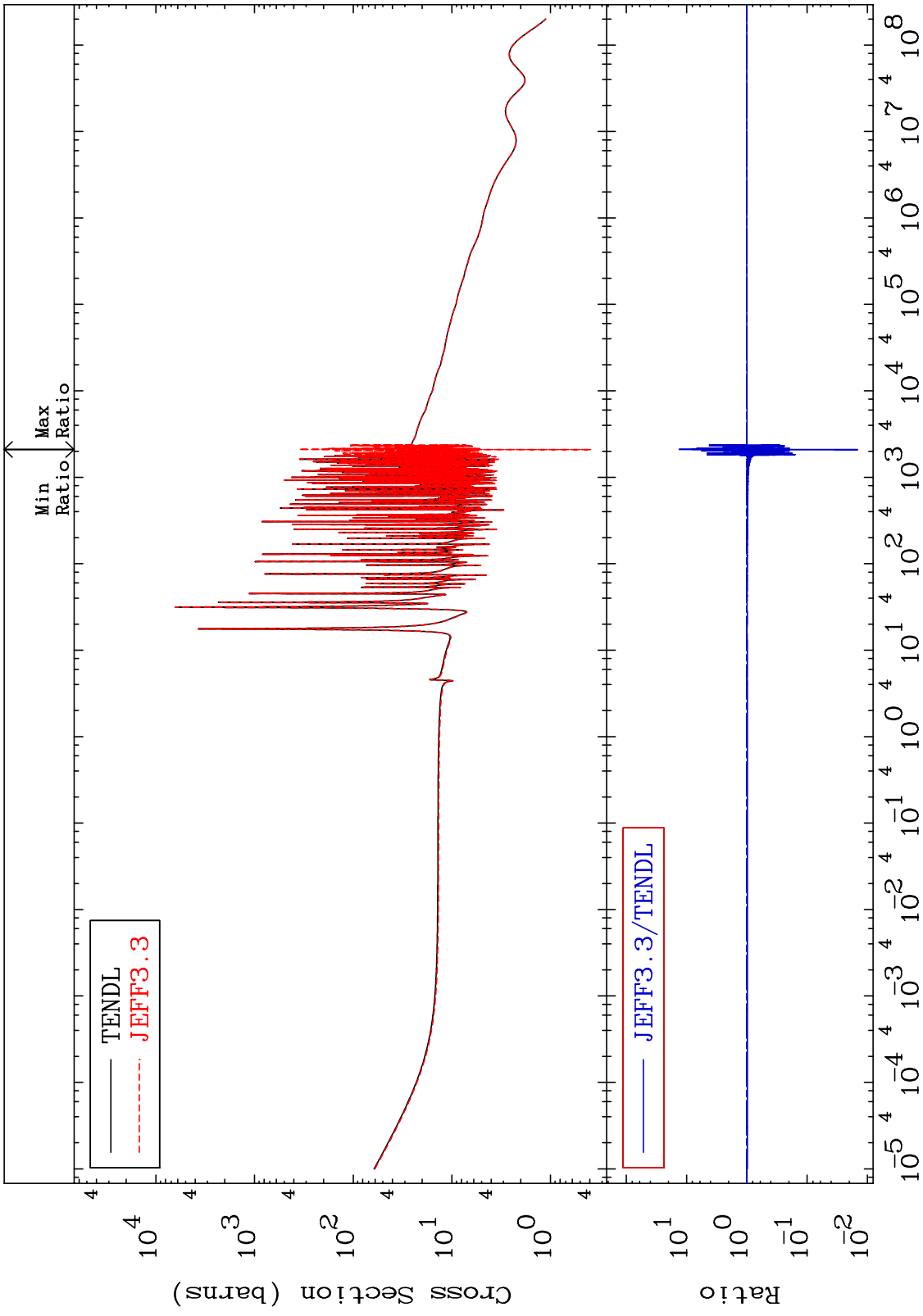
Press Mouse Button to Start

MAT 7040 Total Cross Section 70-Yb-173 -96.00 To 1205. %



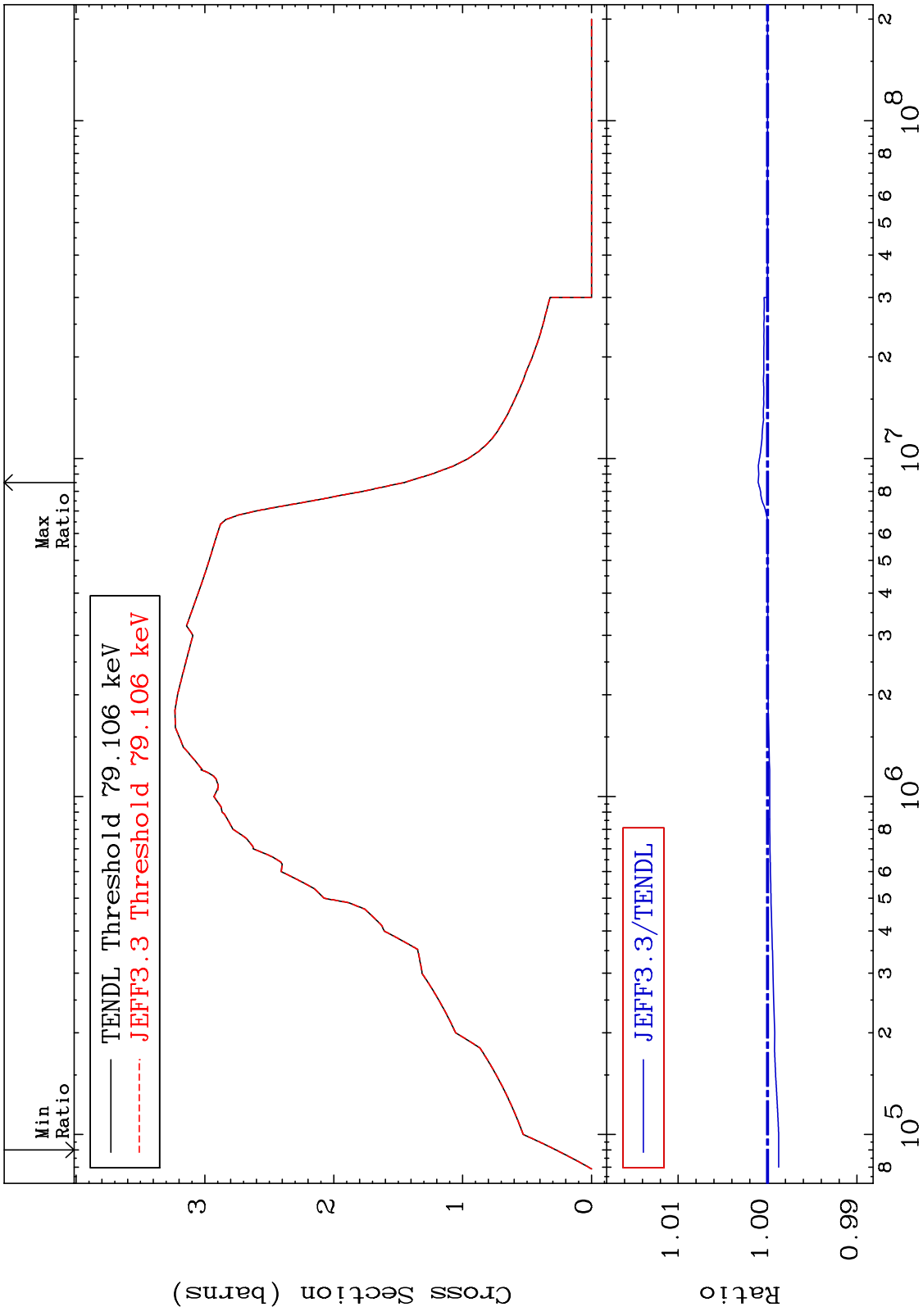
1 Incident Energy (eV) 70-Yb-173

MAT 7040 Elastic Cross Section 70-Yb-173 -98.56 To 1232. %



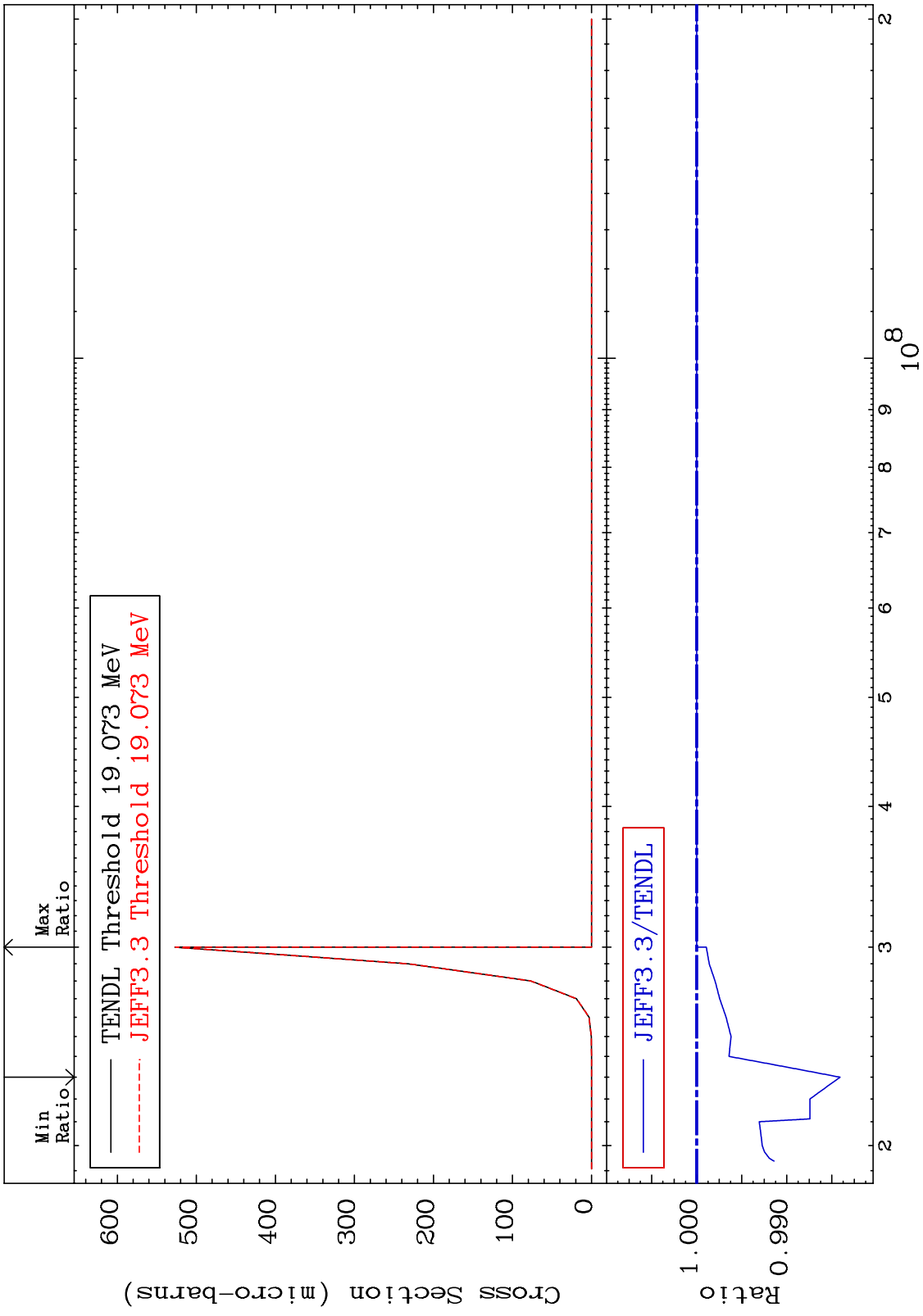
2 70-Yb-173

MAT 7040 Inelastic Cross Section 70-Yb-173 -0.124 To 0.105 %



70-Yb-173

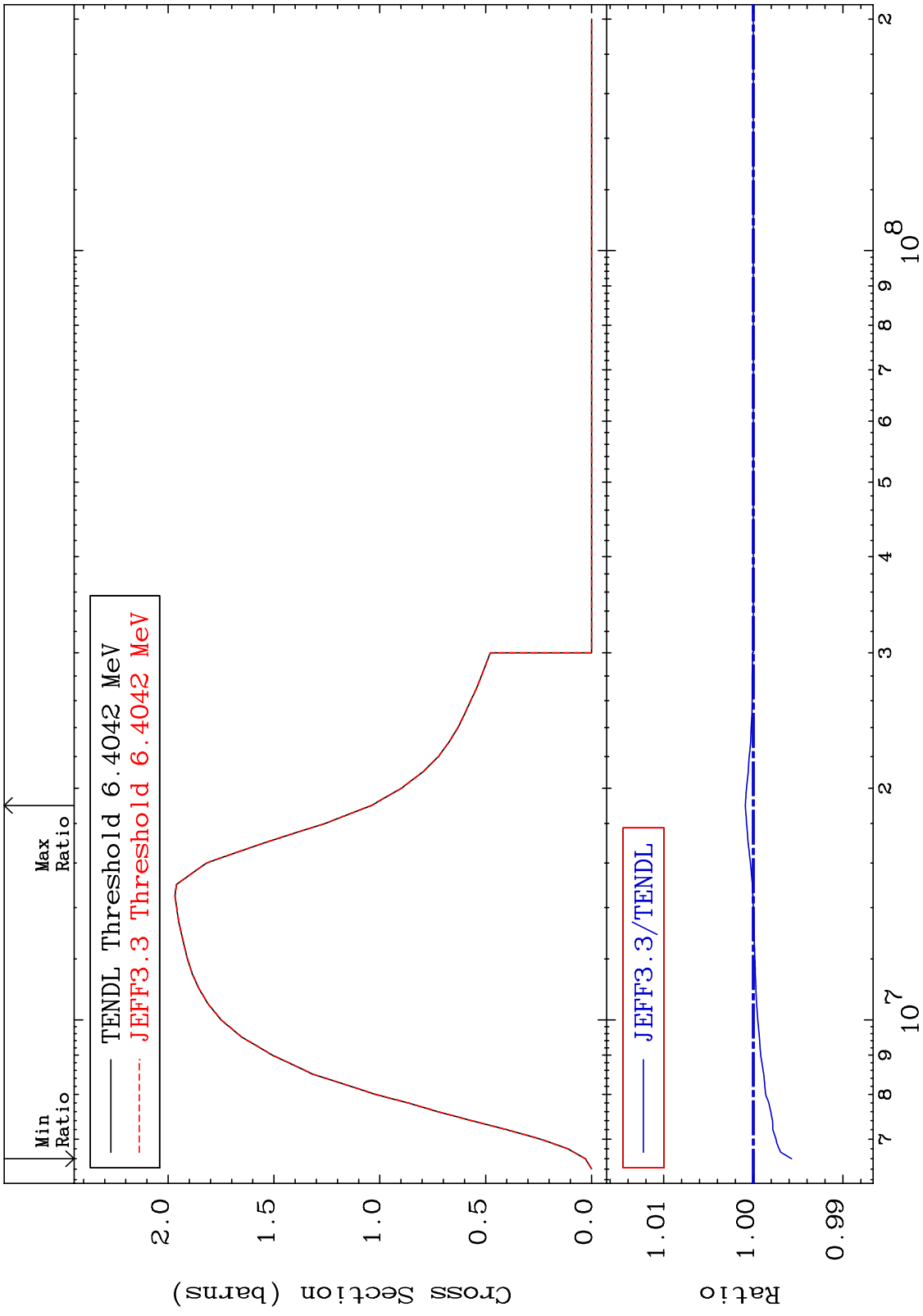
MAT 7040 (n,2n) d 70-Yb-173  
Cross Section -1.592 To 0.000 %



70-Yb-173

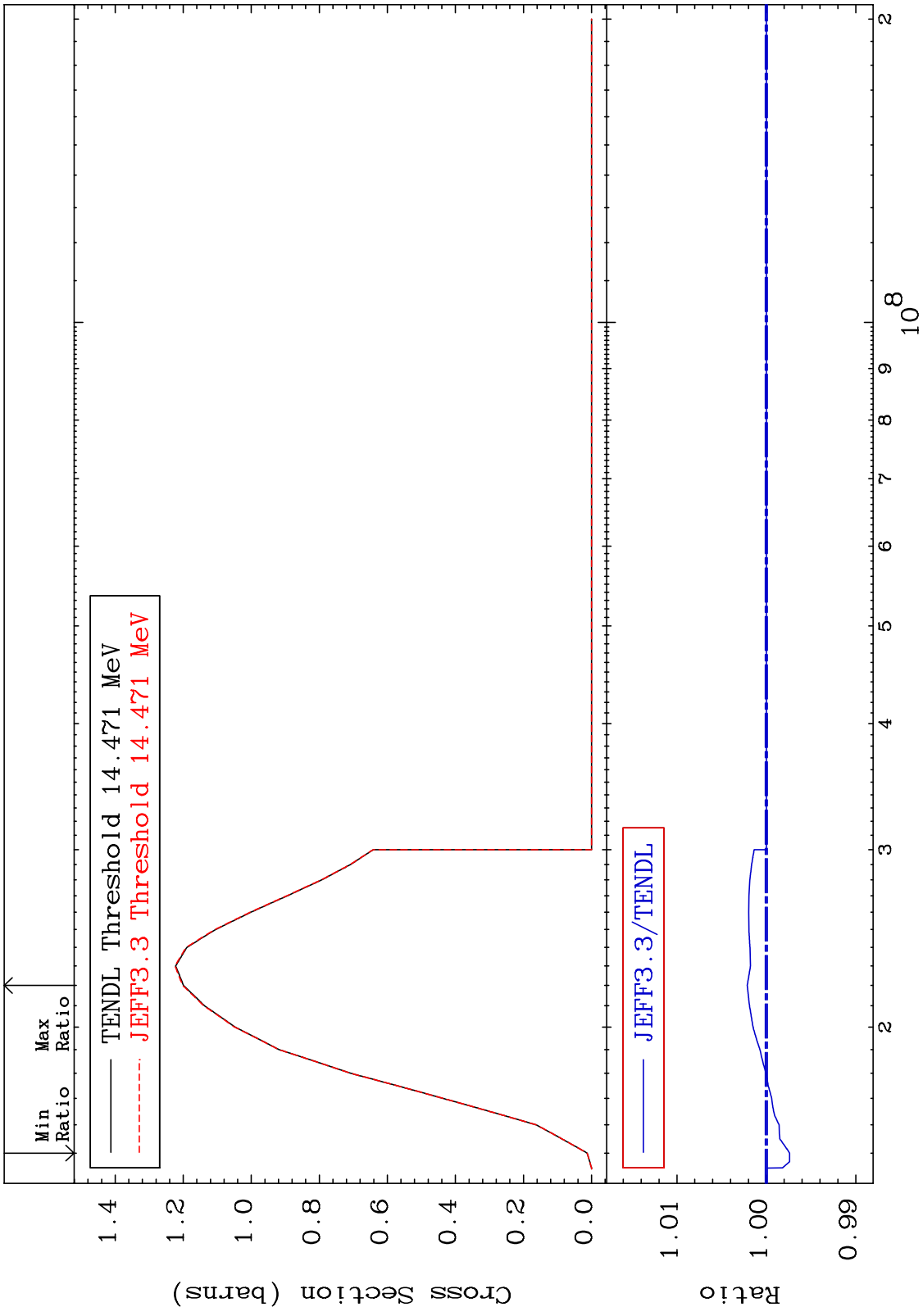
Incident Energy (eV)

MAT 7040  $(n,2n)$  Cross Section  $^{70}\text{Yb-173}$  -0.427 To 0.090 %

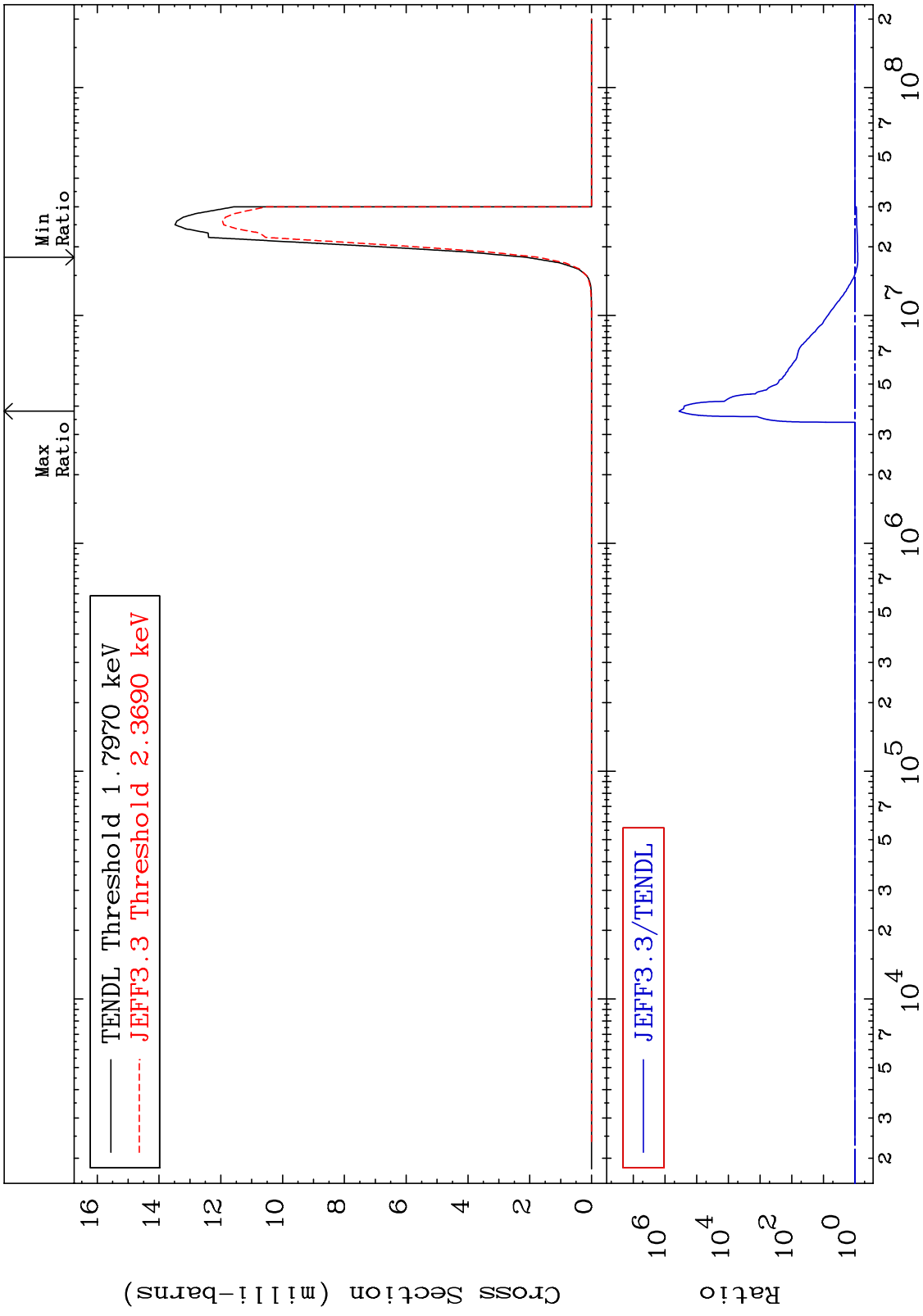


5  $^{70}\text{Yb-173}$

MAT 7040 (n,3n) 70-Yb-173  
Cross Section -0.261 To 0.213 %



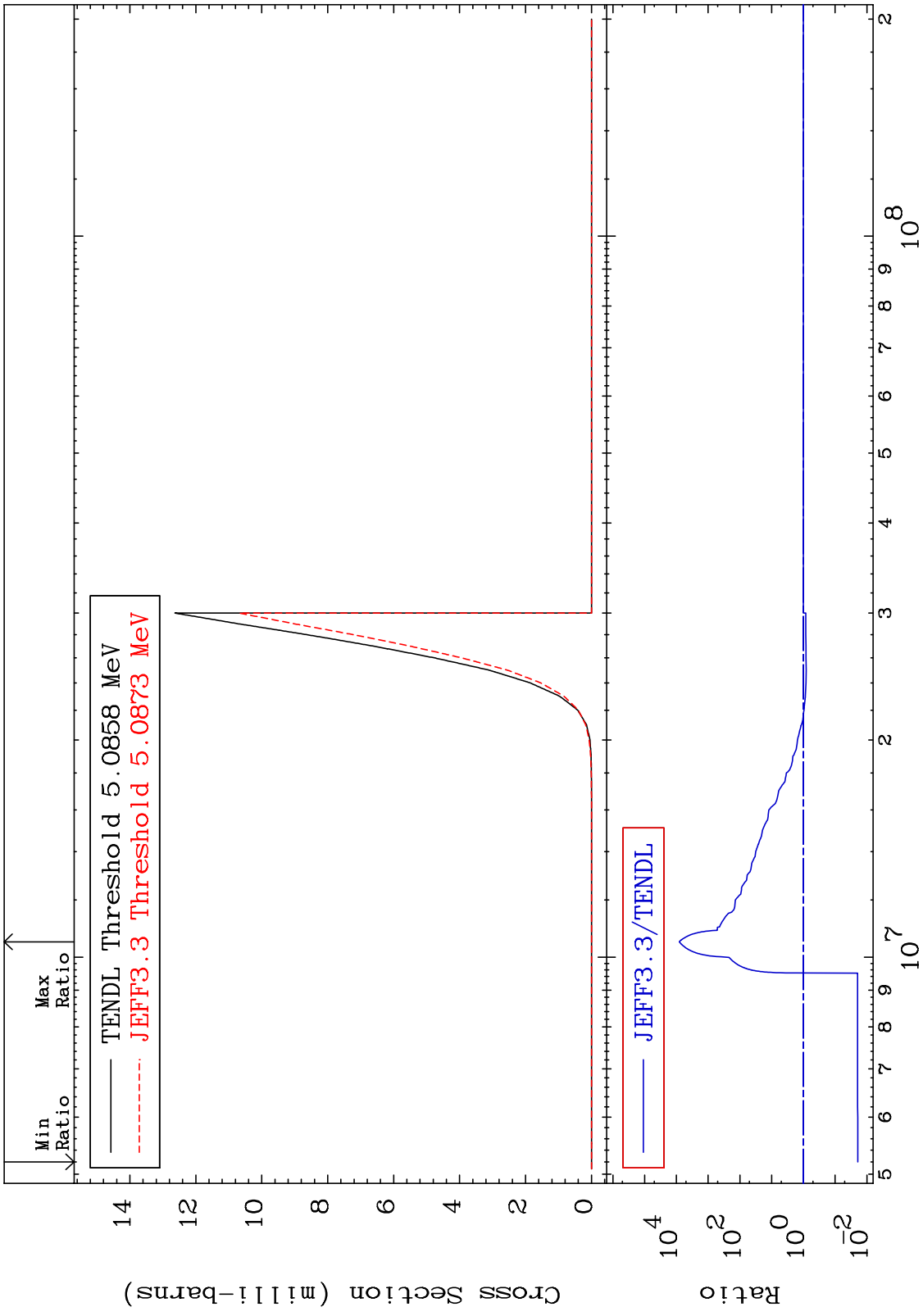
MAT 7040  $(n, n') \alpha$  70-Yb-173  
 Cross Section -18.32 To 9999. %



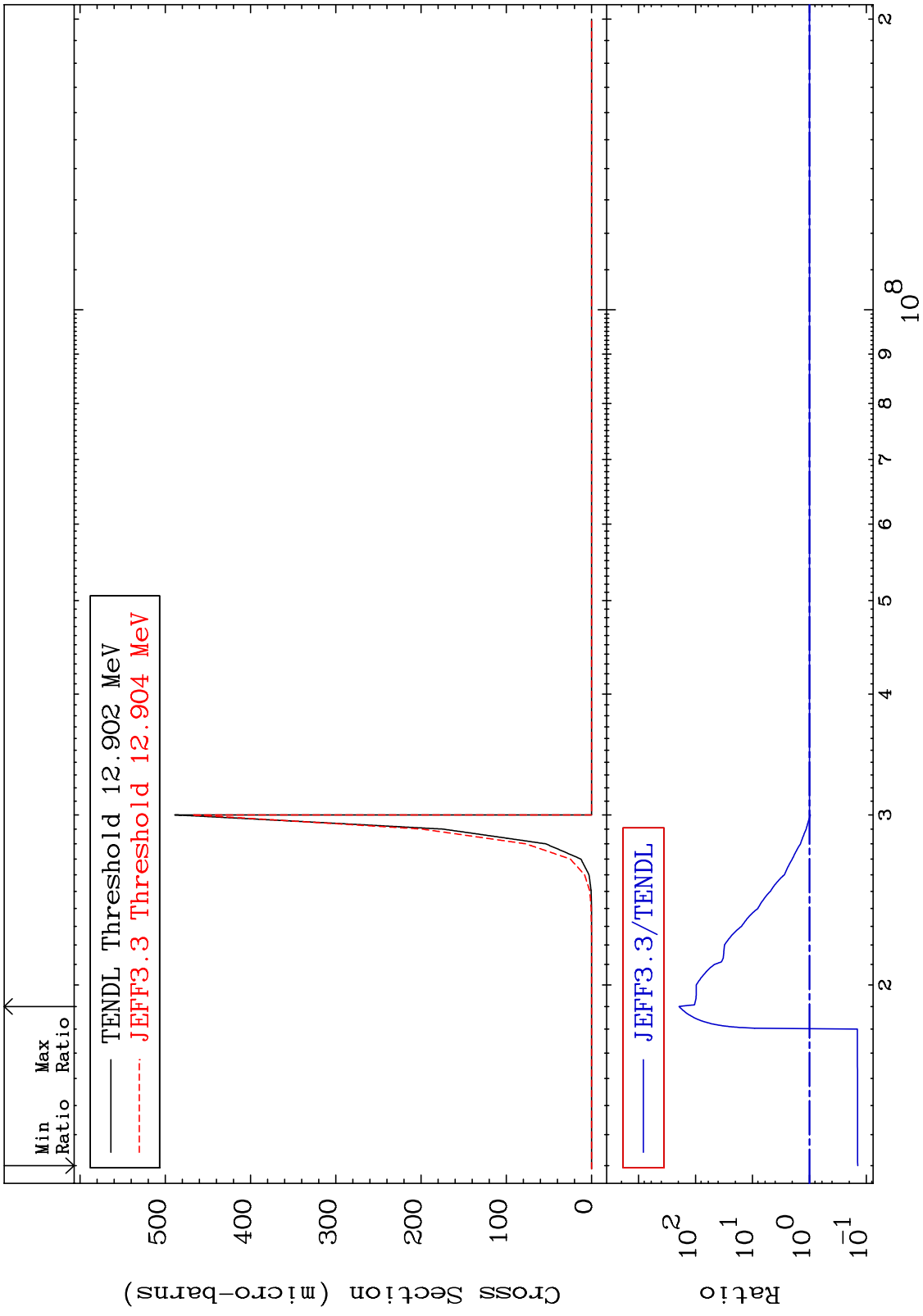
7 70-Yb-173



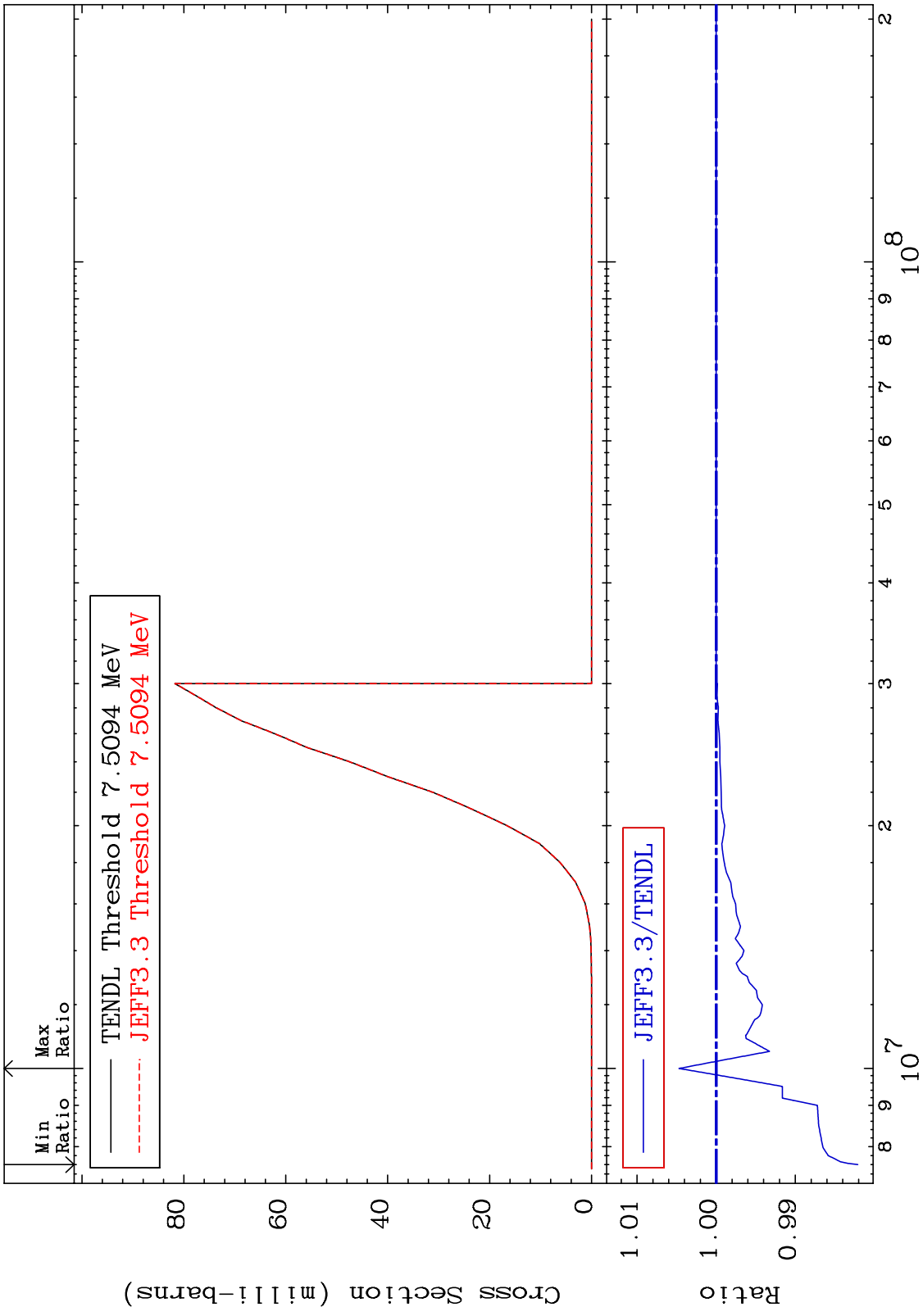
MAT 7040  $(n, 2n) \alpha$  70-Yb-173  
 Cross Section -98.07 To 9999. %



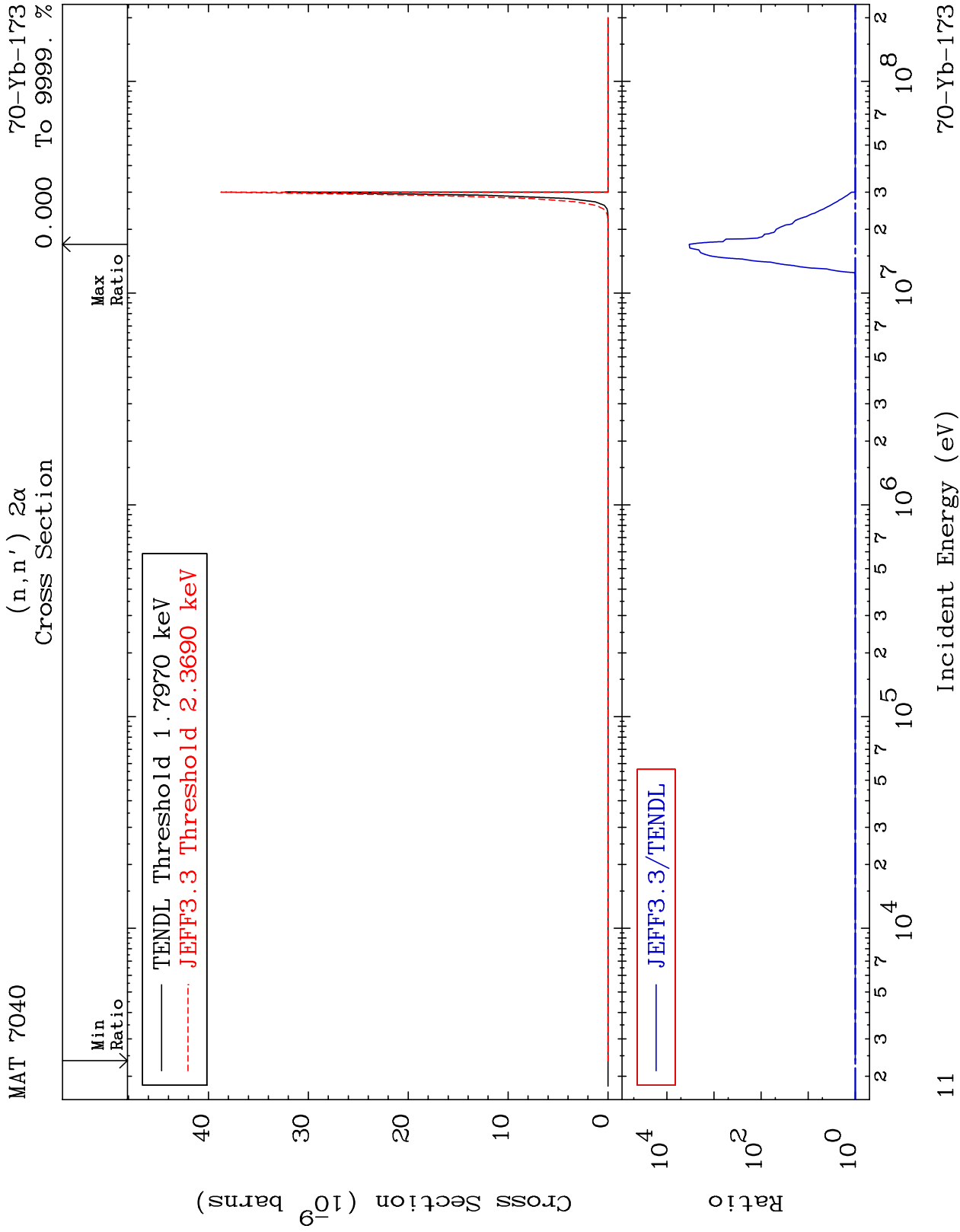
MAT 7040  $(n, 3n) \alpha$  70-Yb-173  
 Cross Section -85.91 To 9999. %



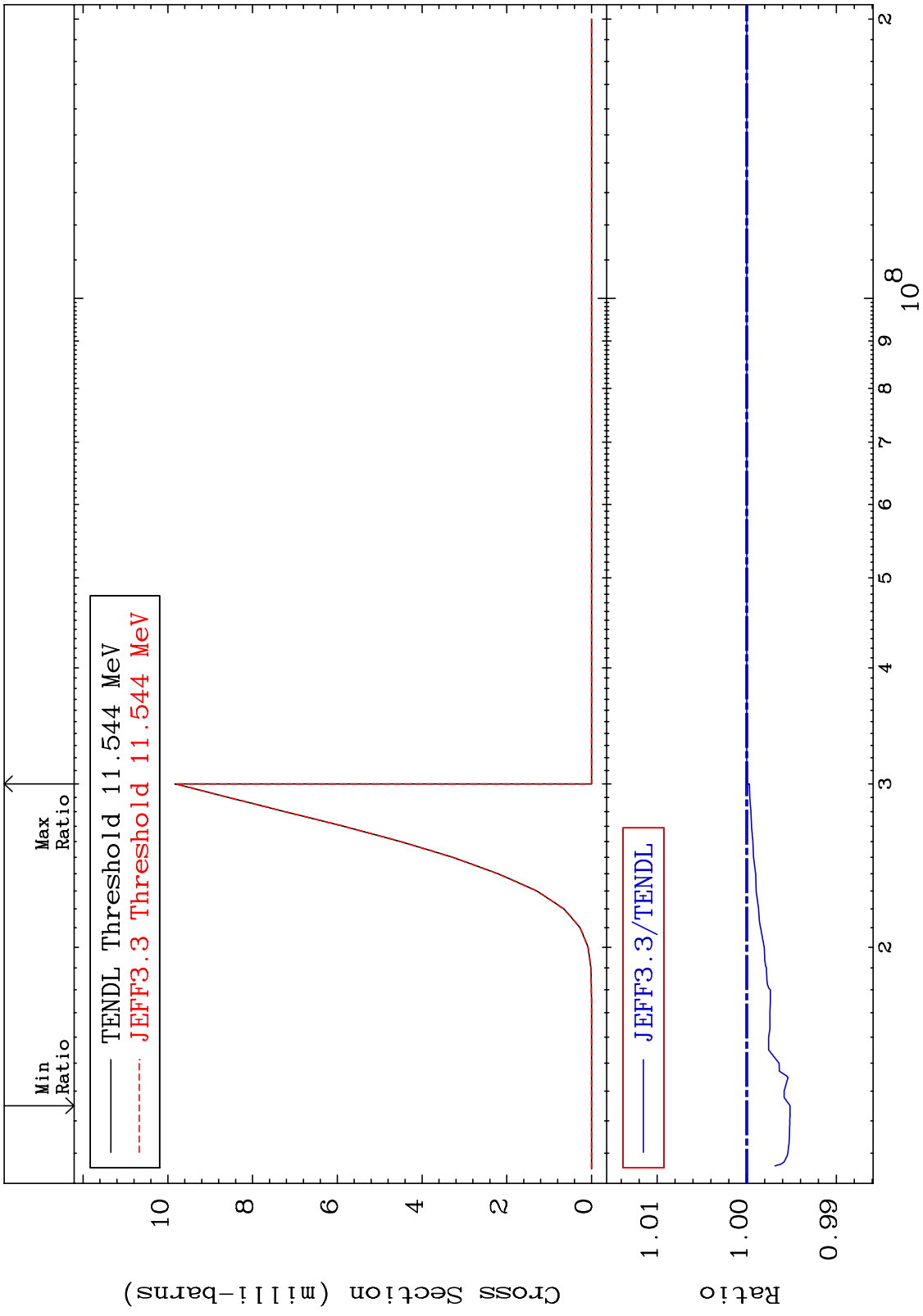
MAT 7040 (n,n') p 70-Yb-173  
Cross Section -1.790 To 0.470 %



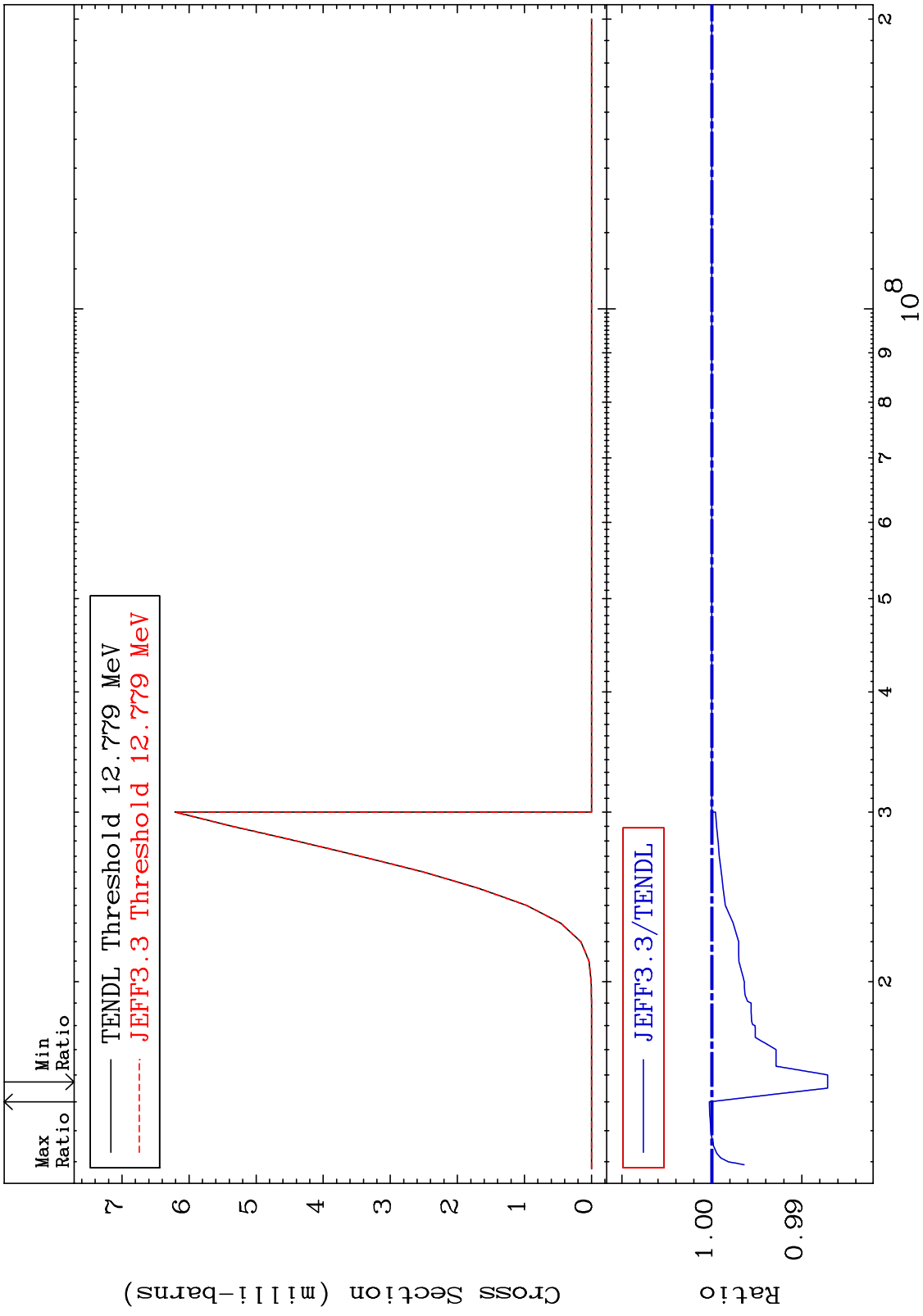
70-Yb-173



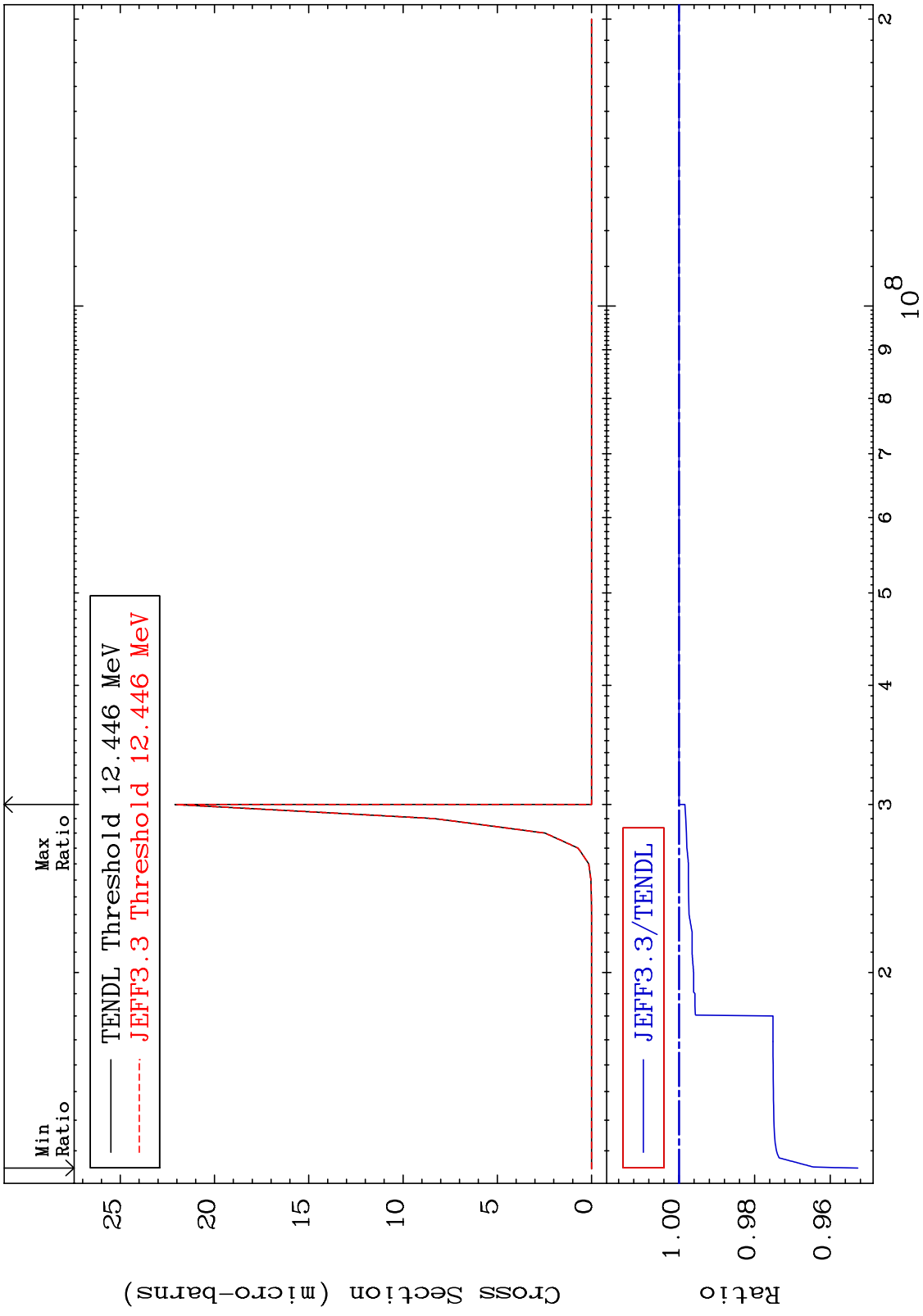
MAT 7040  $(n, n') d$  70-Yb-173  
 Cross Section -0.483 To 0.000 %



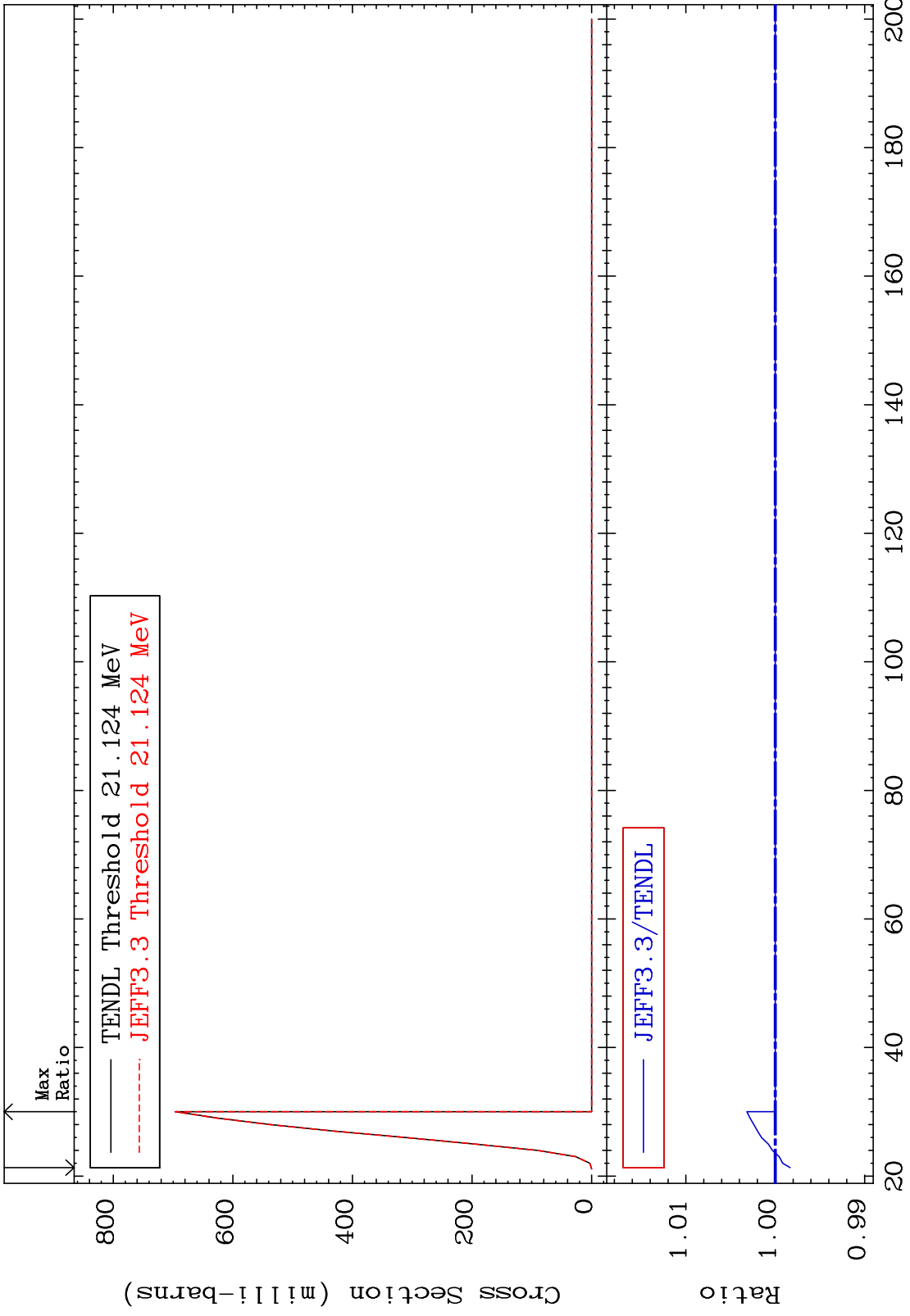
MAT 7040 (n,n') t 70-Yb-173  
 Cross Section -1.287 To 0.029 %



MAT 7040 (n, n') He-3 70-Yb-173  
 Cross Section -4.732 To 0.000 %

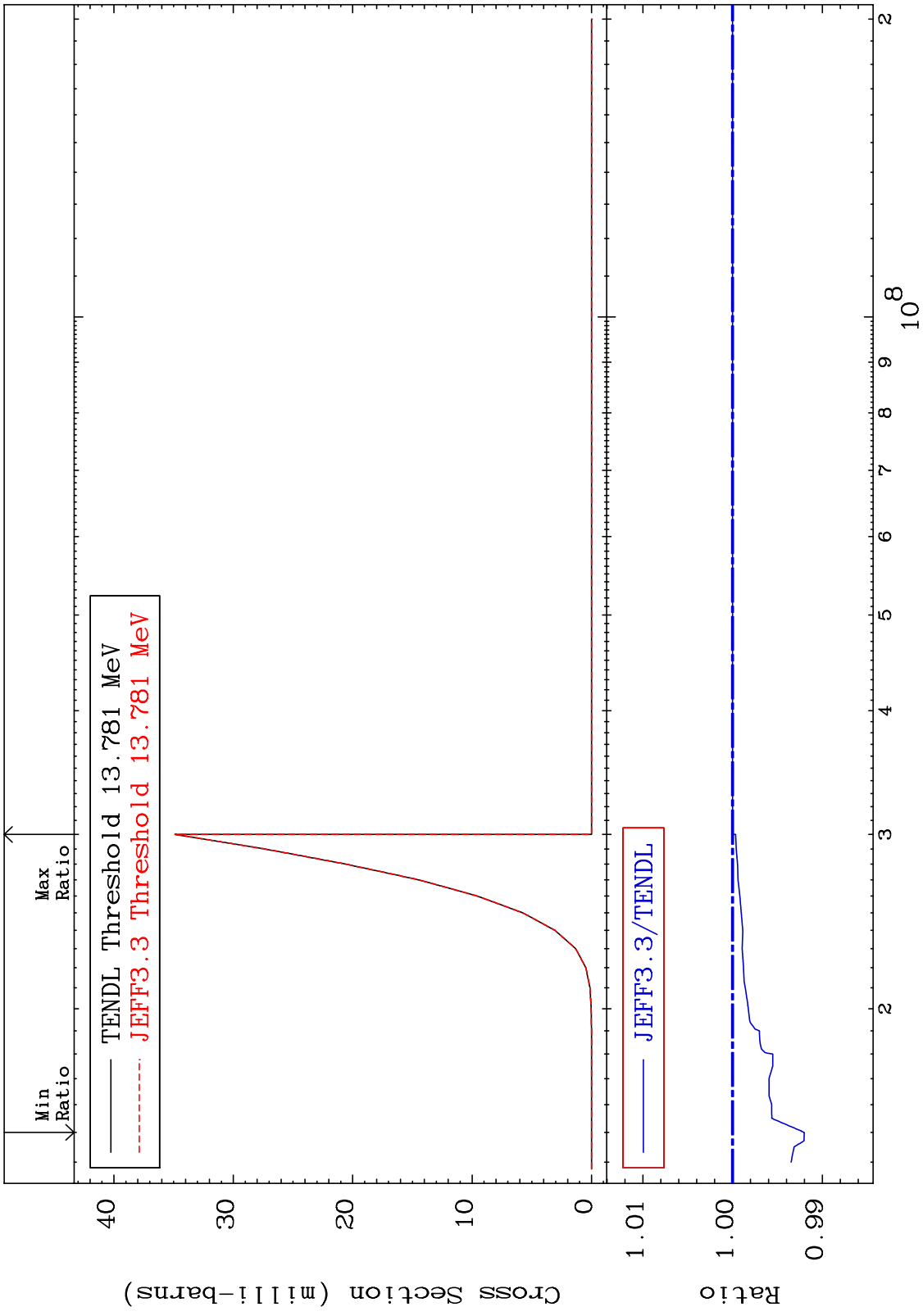


MAT 7040  $(n,4n)$   $^{70}\text{Yb}-173$   
 Cross Section  $-0.167$  To  $0.317$  %

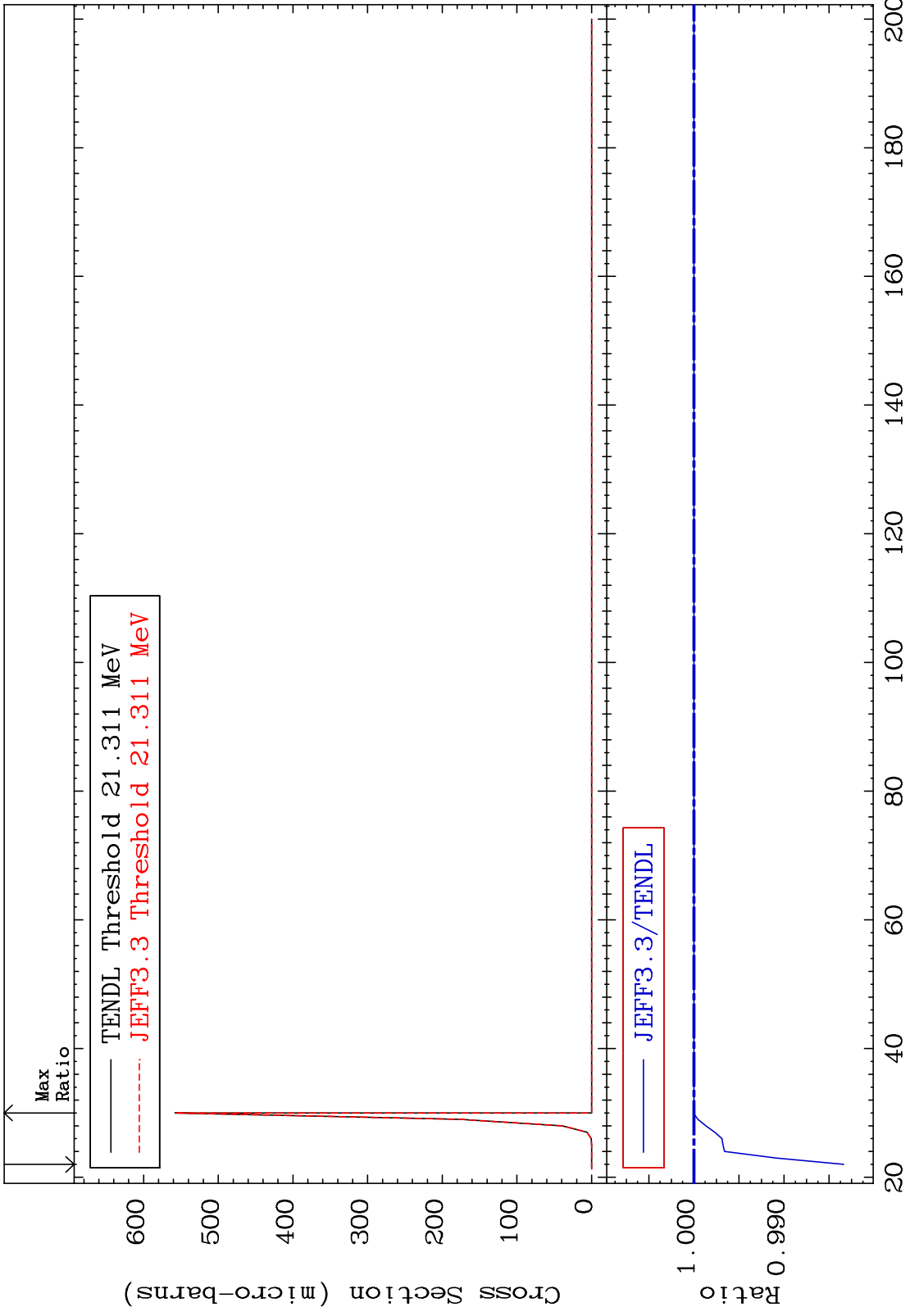




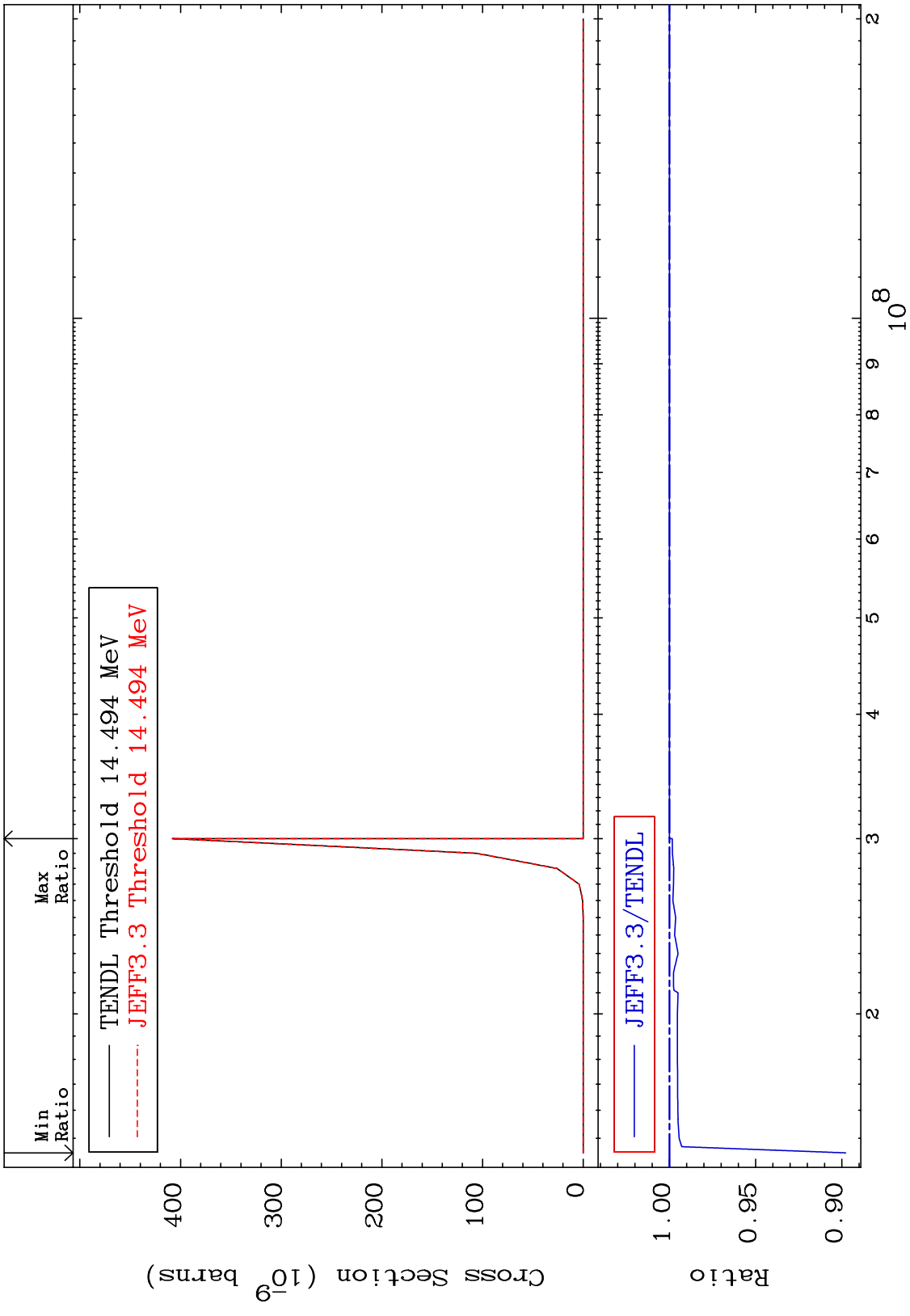
MAT 7040  $(n, 2n) p$  70-Yb-173  
 Cross Section -0.798 To 0.000 %



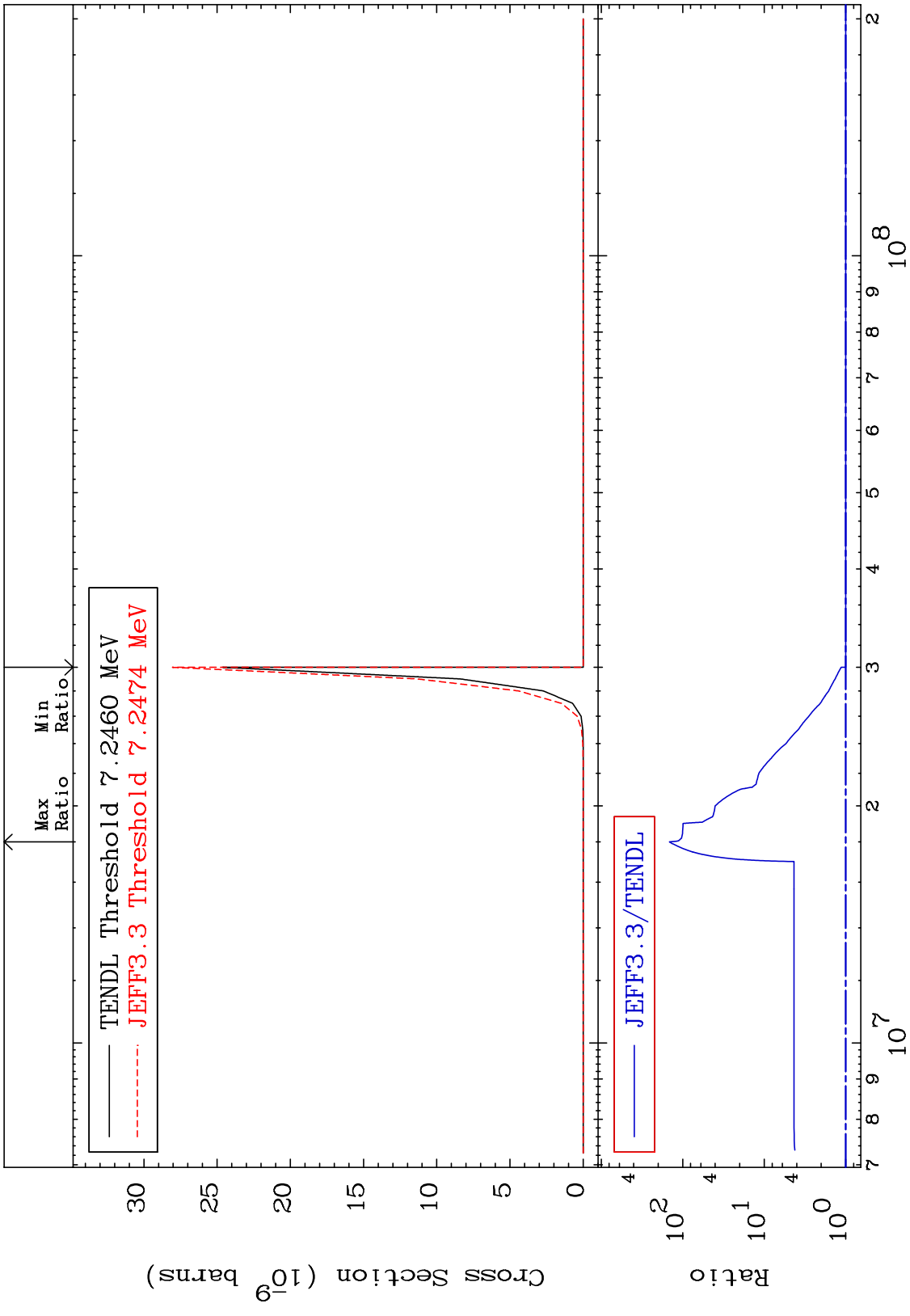
MAT 7040 (n,3n) p 70-Yb-173  
Cross Section -1.663 To 0.007 %



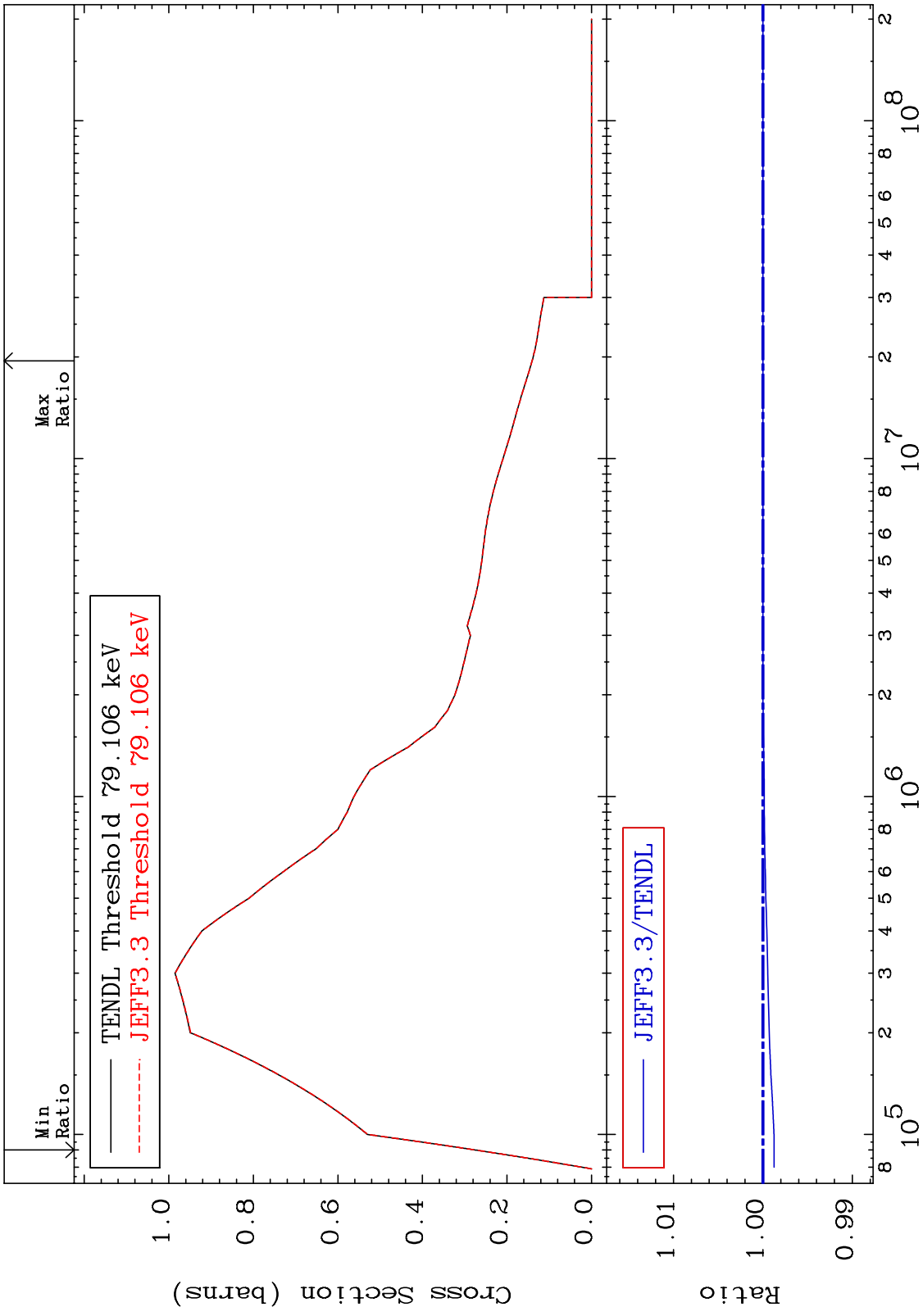
17 70-Yb-173



MAT 7040 70-Yb-173  
To 9999. %  
0.000  
(n,n') p α  
Cross Section

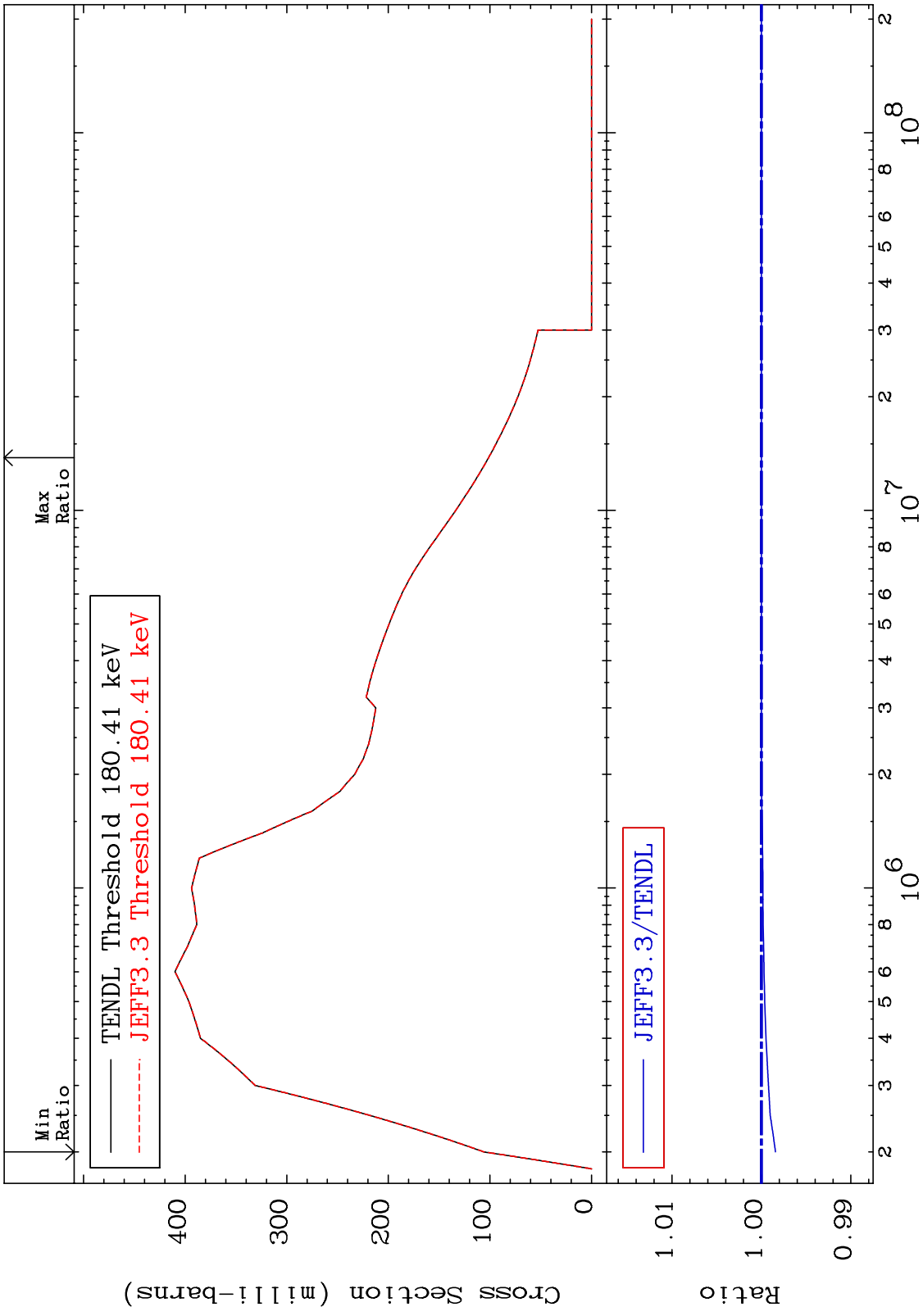


MAT 7040 MT= 51 (n,n') Level Cross Section 70-Yb-173 -0.124 To 0.000 %

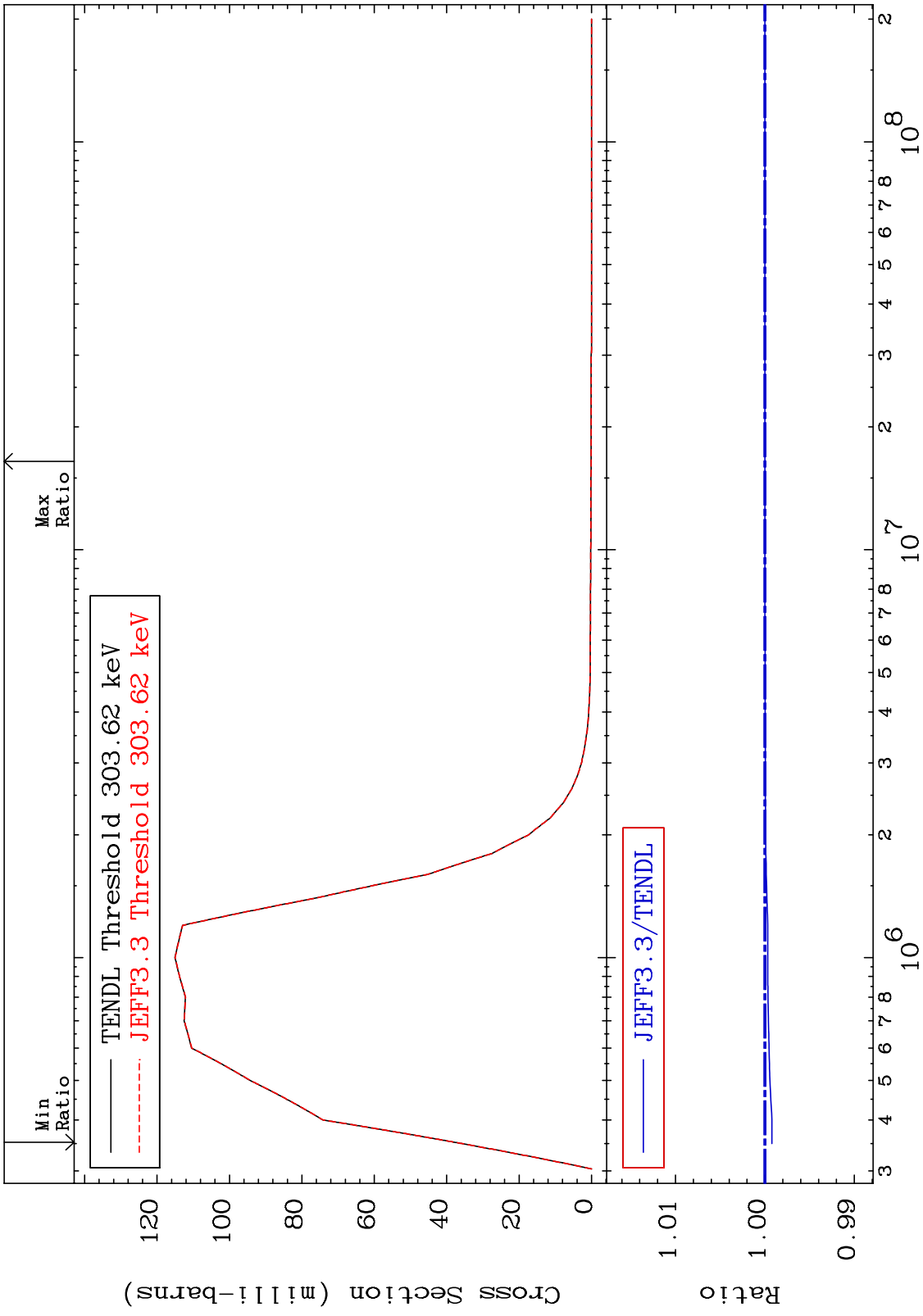


20 Incident Energy (eV) 70-Yb-173

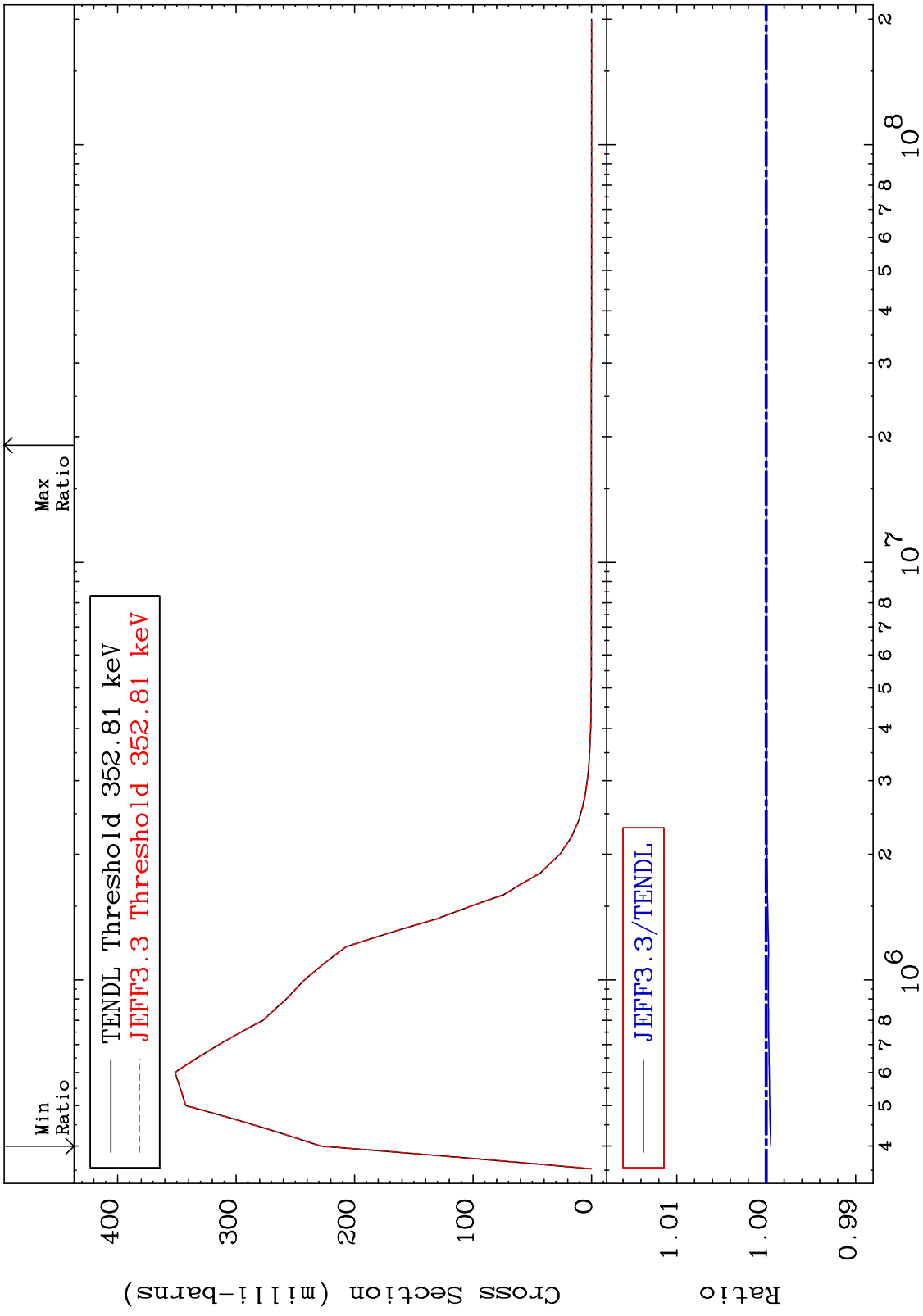
MAT 7040 MT= 52 (n,n') Level Cross Section -0.157 To 0.000 % 70-Yb-173



MAT 7040 MT= 53 (n,n') Level Cross Section -0.079 To 0.000 % 70-Yb-173

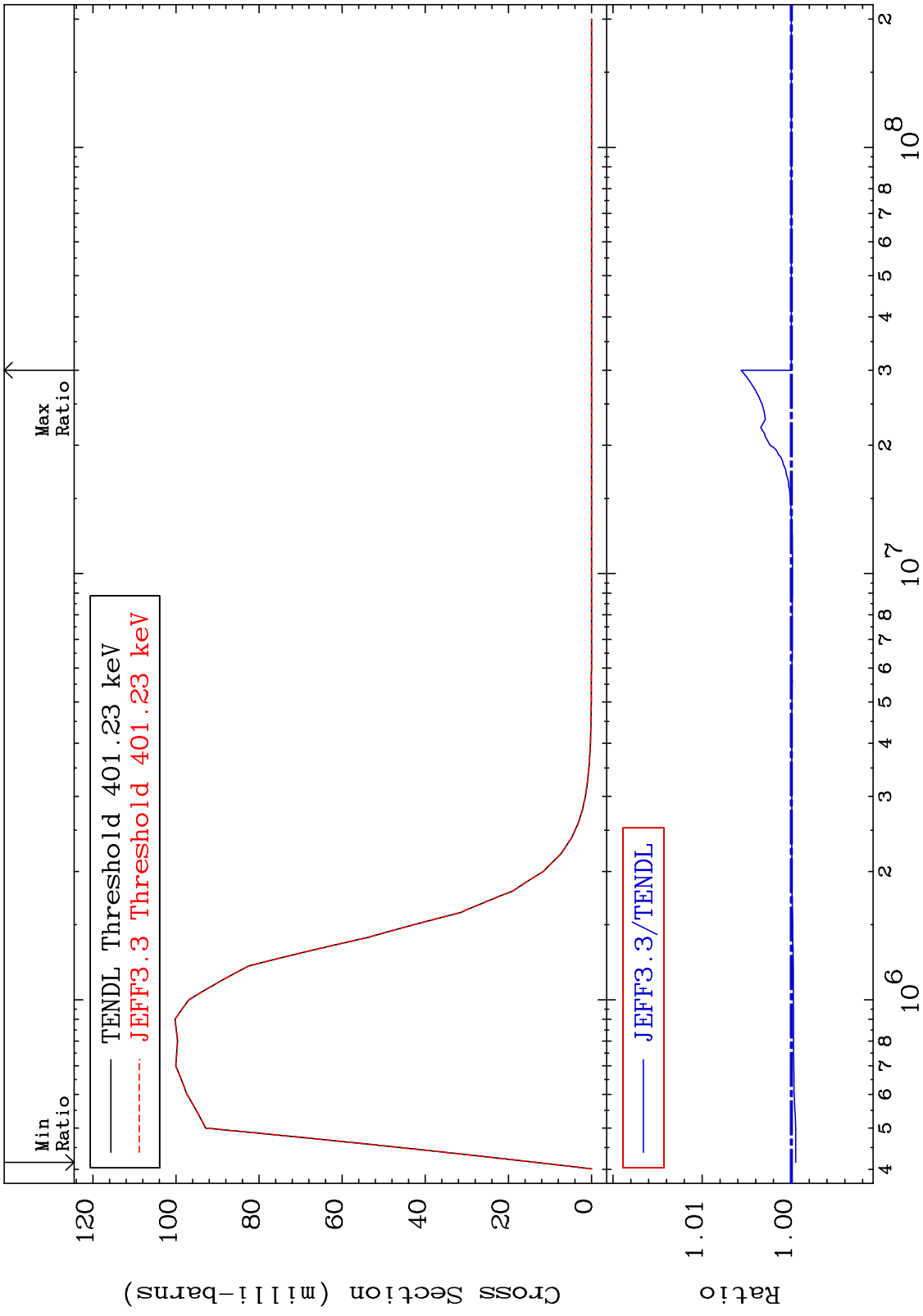


MAT 7040 MT= 54 (n,n') Level Cross Section -0.052 To 0.000 % 70-Yb-173

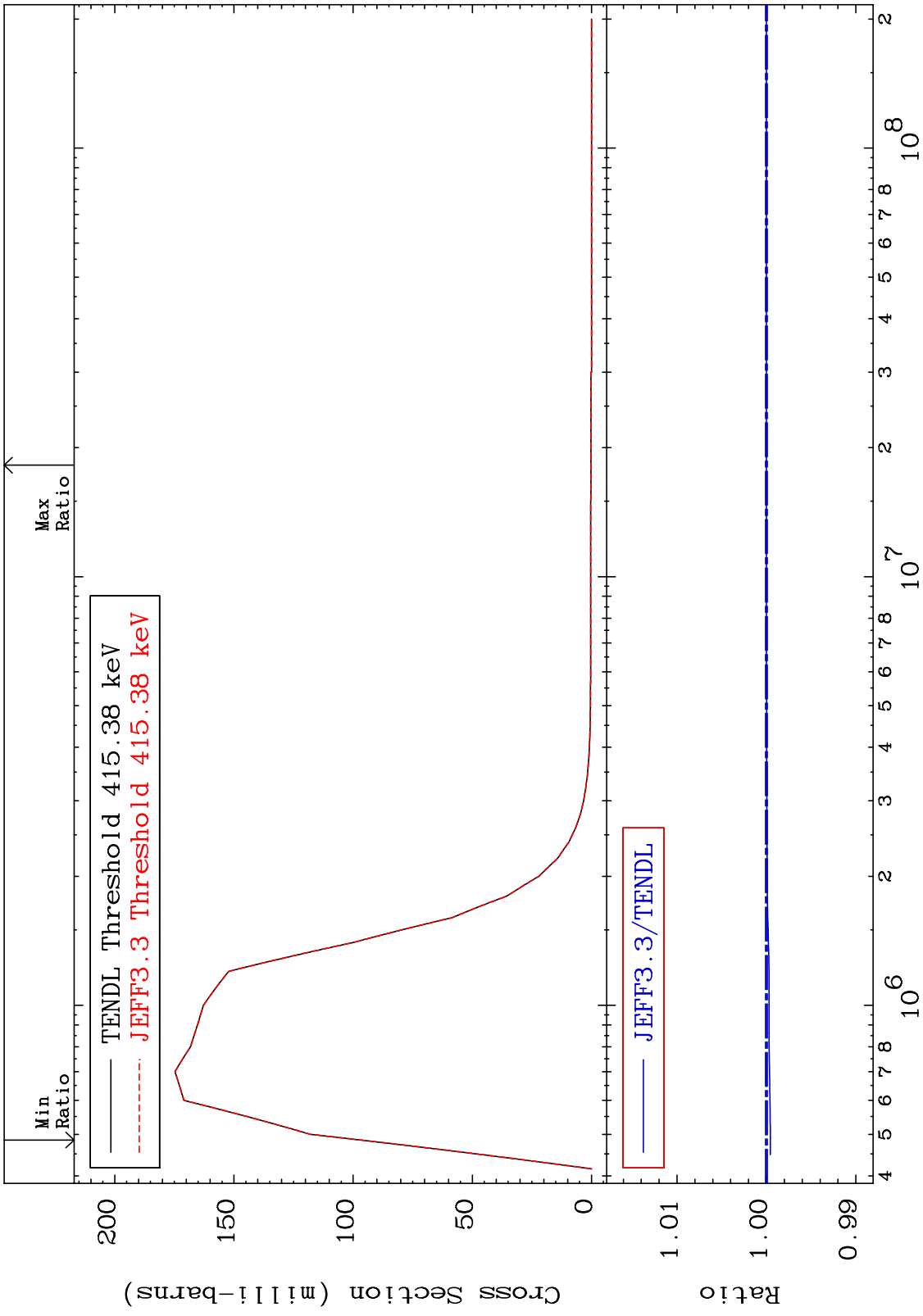




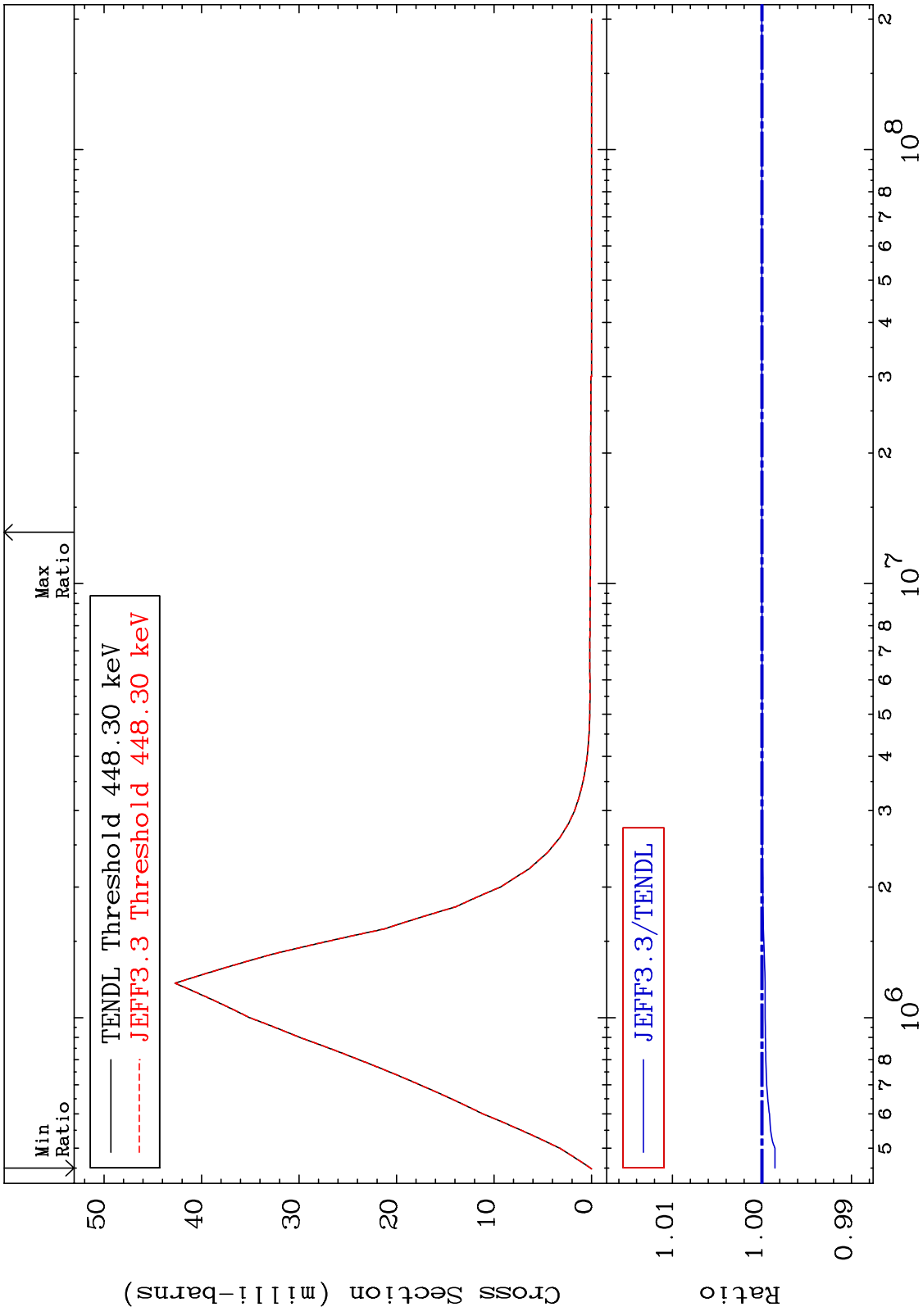
MAT 7040 MT= 55 (n,n') Level Cross Section -0.050 To 0.563 % 70-Yb-173



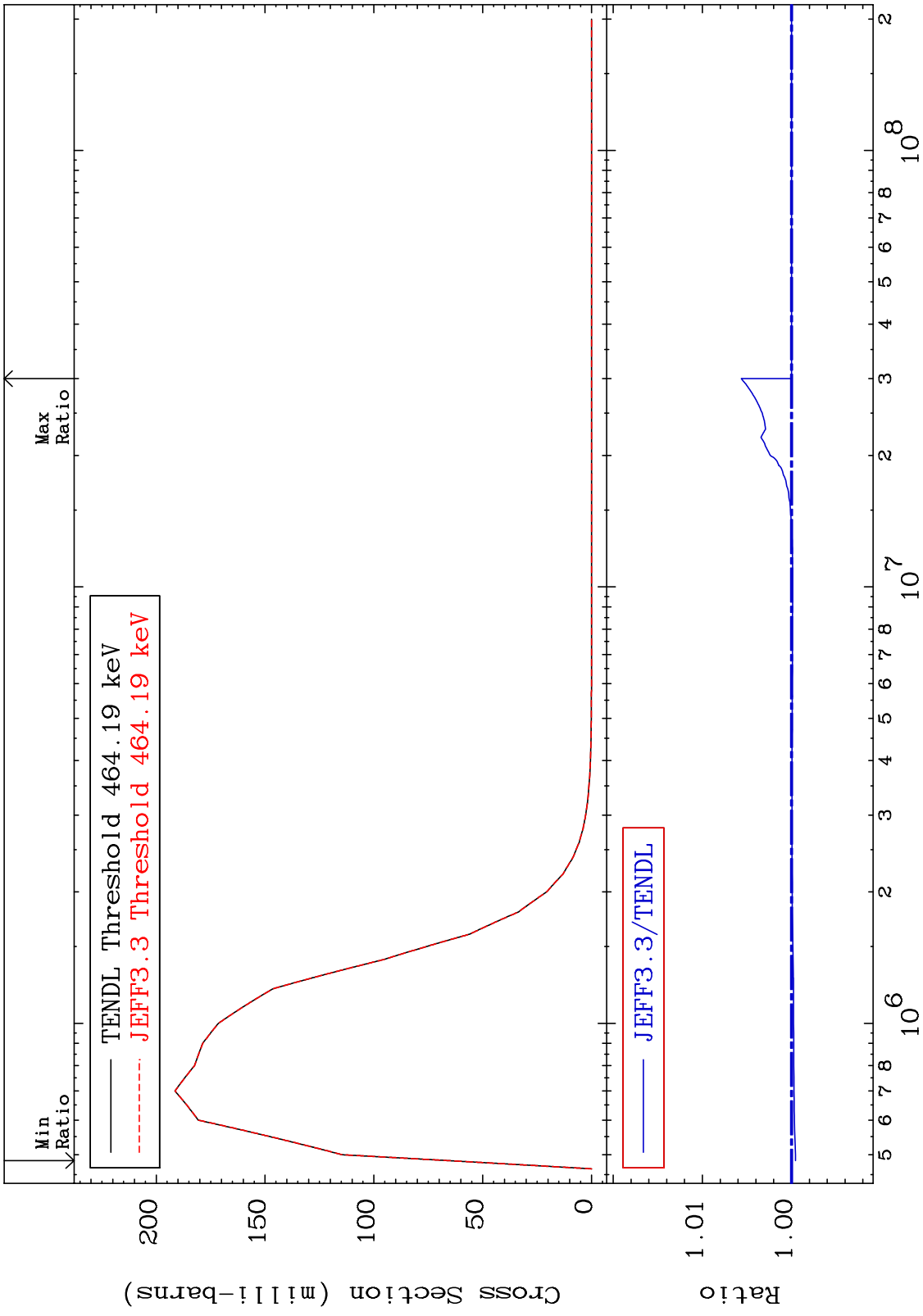
MAT 7040 MT= 56 (n,n') Level Cross Section -0.045 To 0.000 % 70-Yb-173



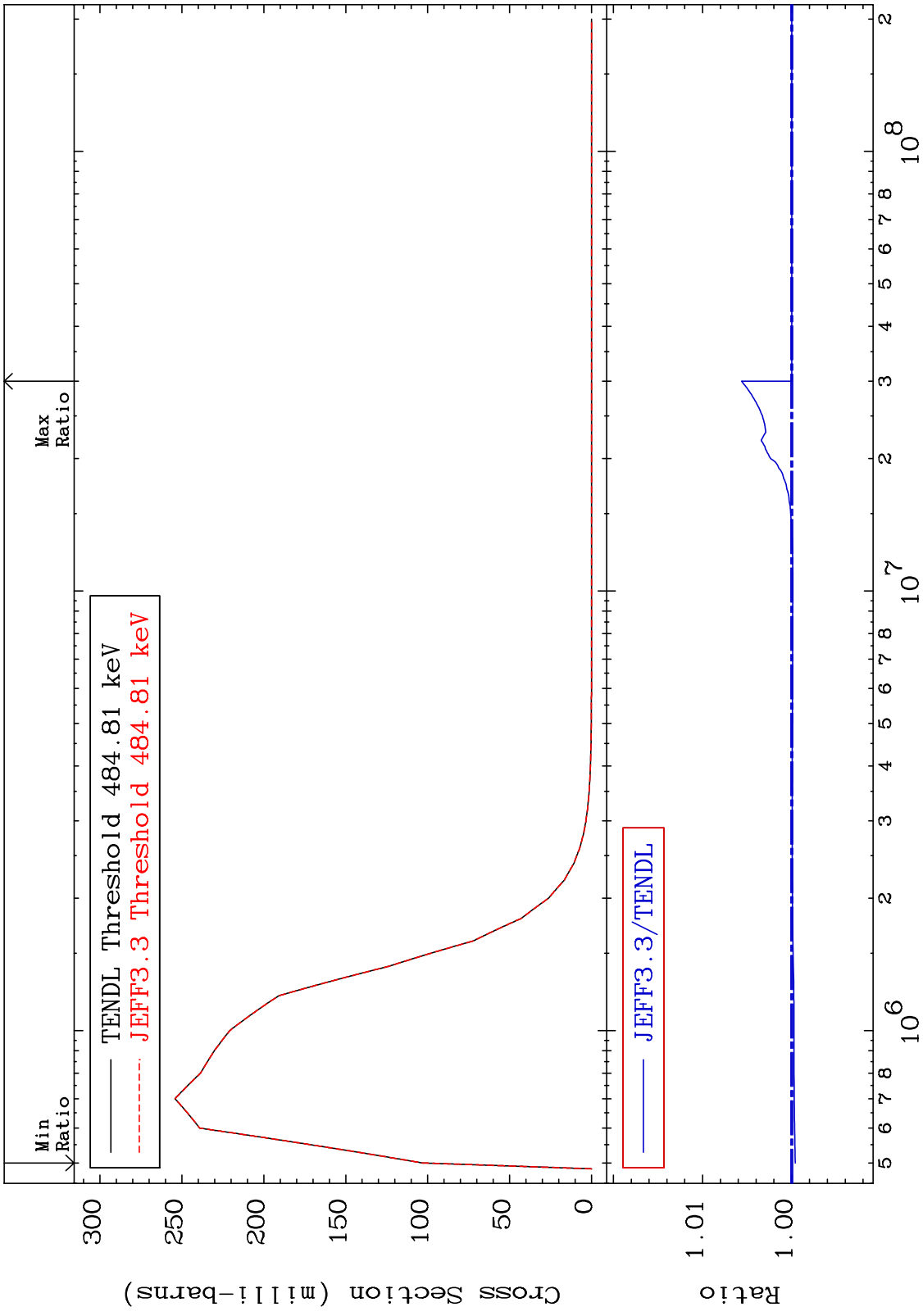
MAT 7040 MT= 57 (n, n') Level Cross Section -0.146 To 0.000 % 70-Yb-173



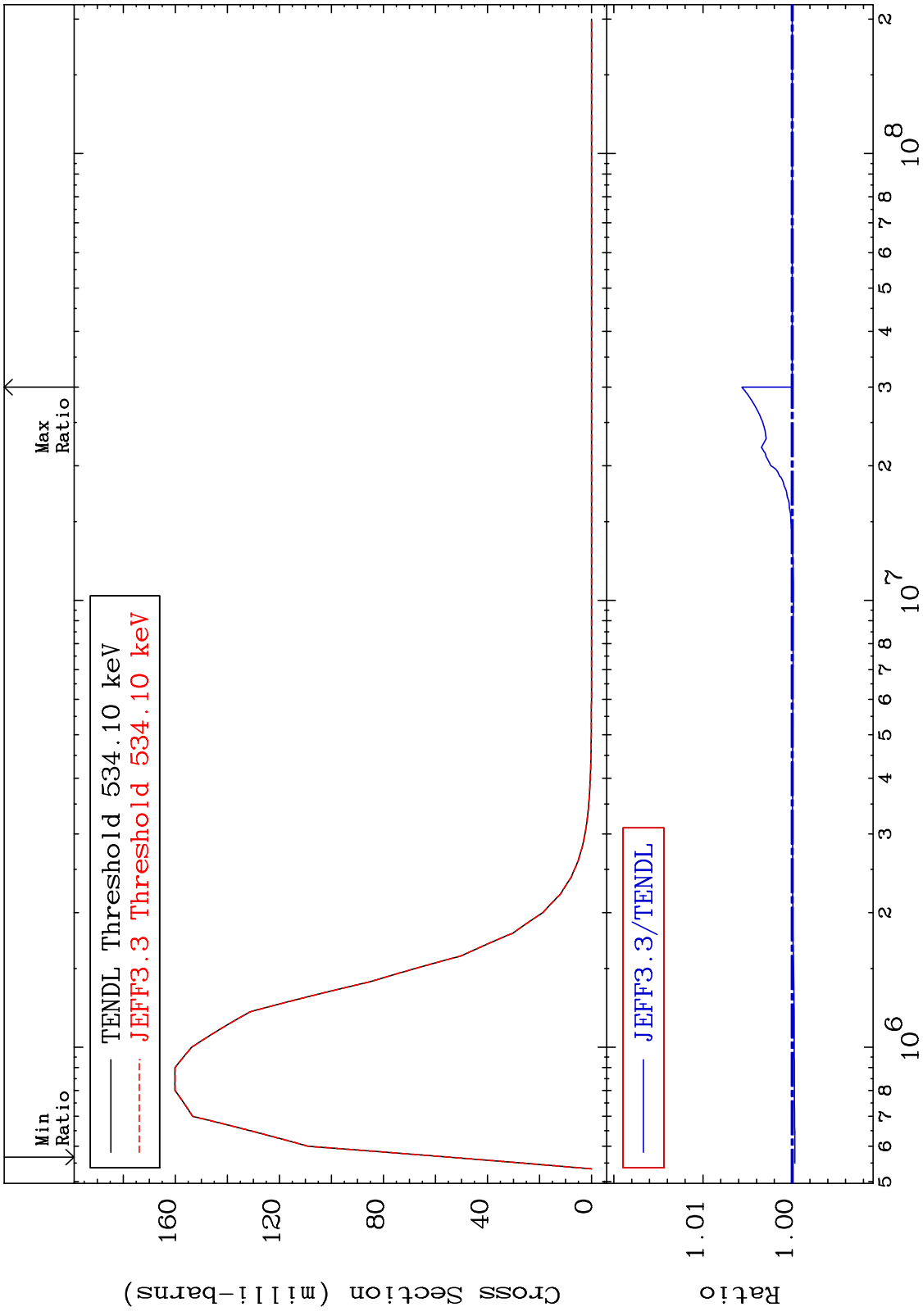
MAT 7040 MT= 58 (n,n') Level Cross Section 70-Yb-173  
 -0.045 To 0.564 %



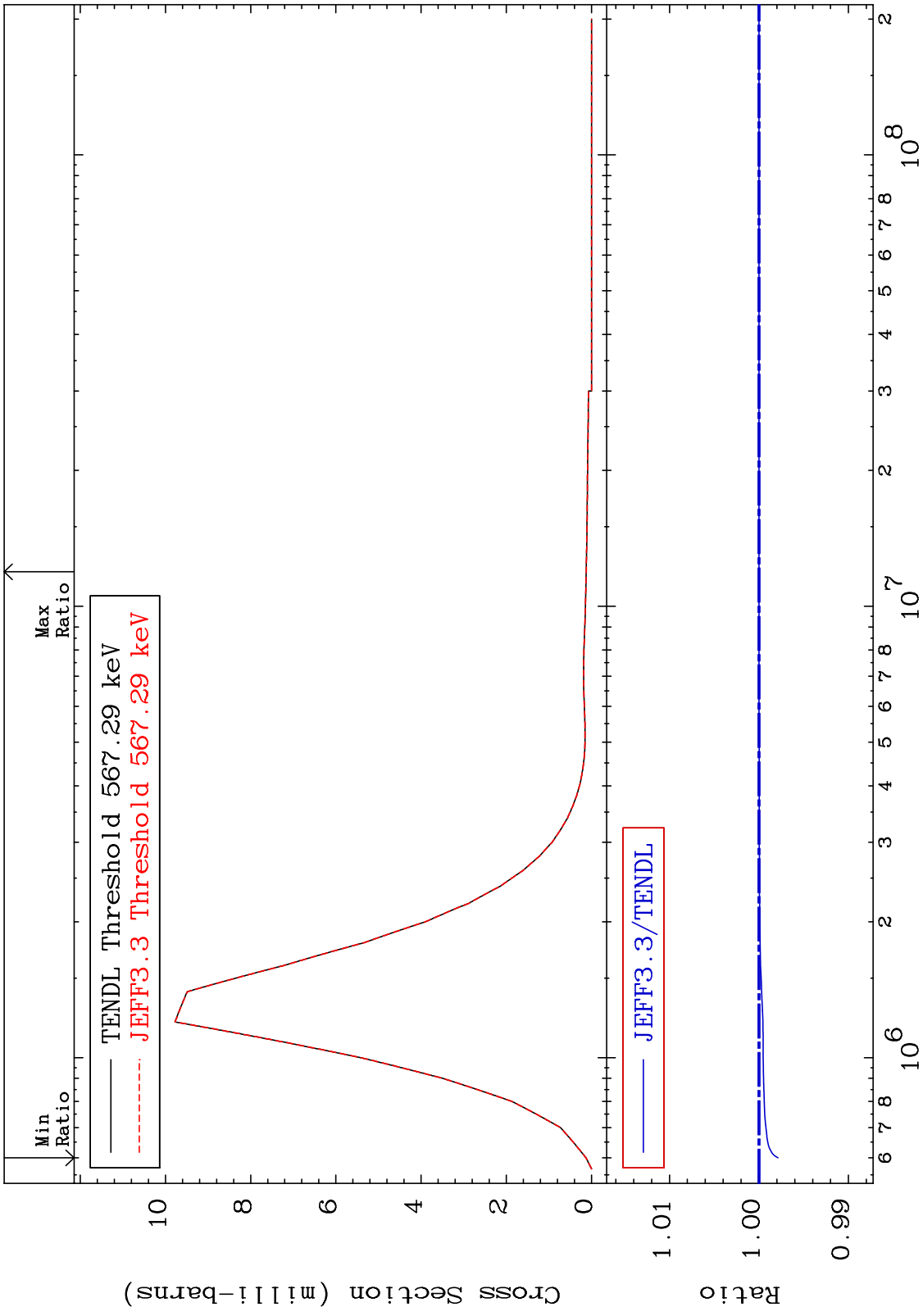
MAT 7040 MT= 59 (n,n') Level Cross Section 70-Yb-173  
 -0.041 To 0.563 %



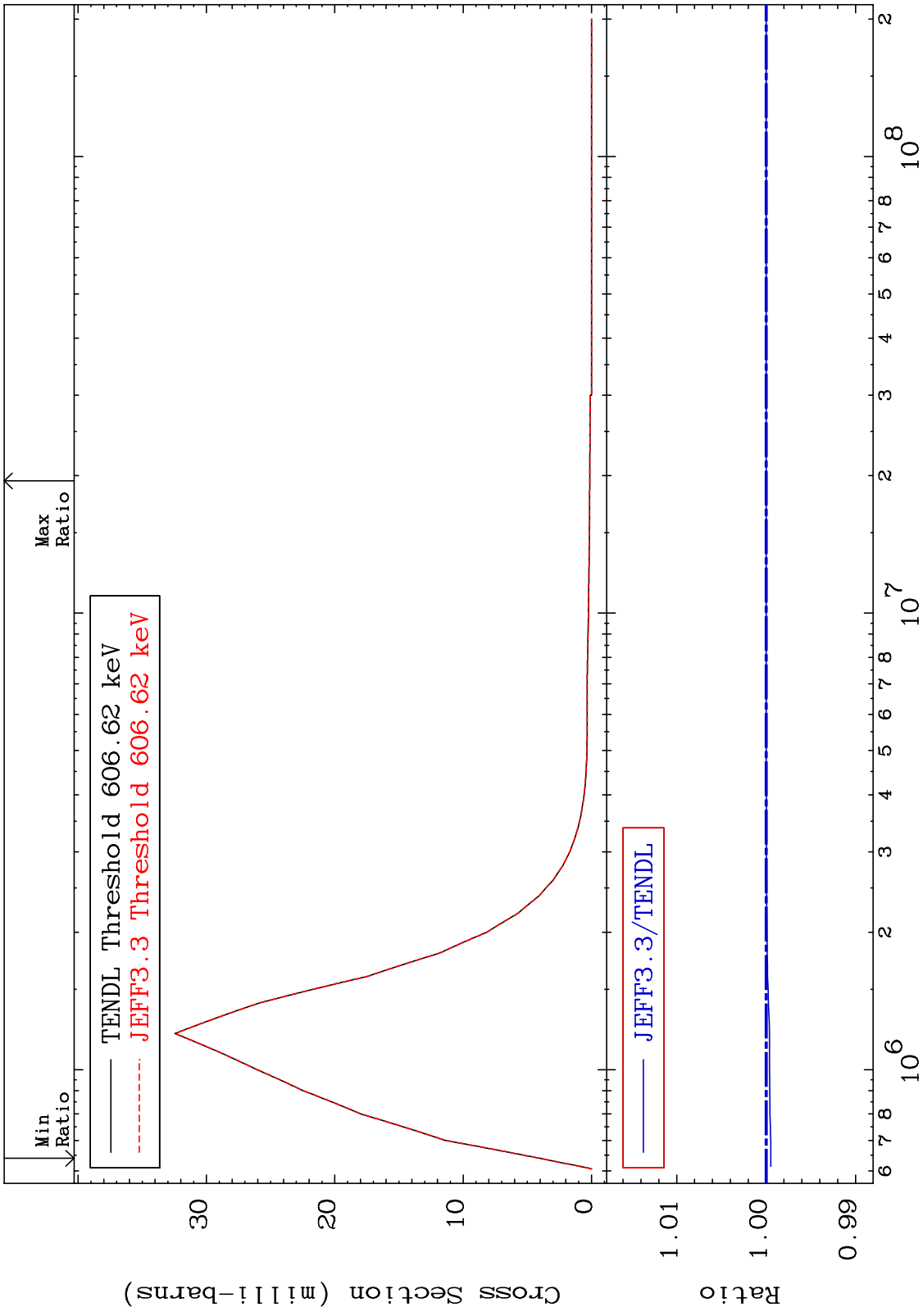
MAT 7040 MT= 60 (n,n') Level Cross Section 70-Yb-173  
 -0.031 To 0.563 %



MAT 7040 MT= 61 (n,n') Level Cross Section -0.212 To 0.000 % 70-Yb-173

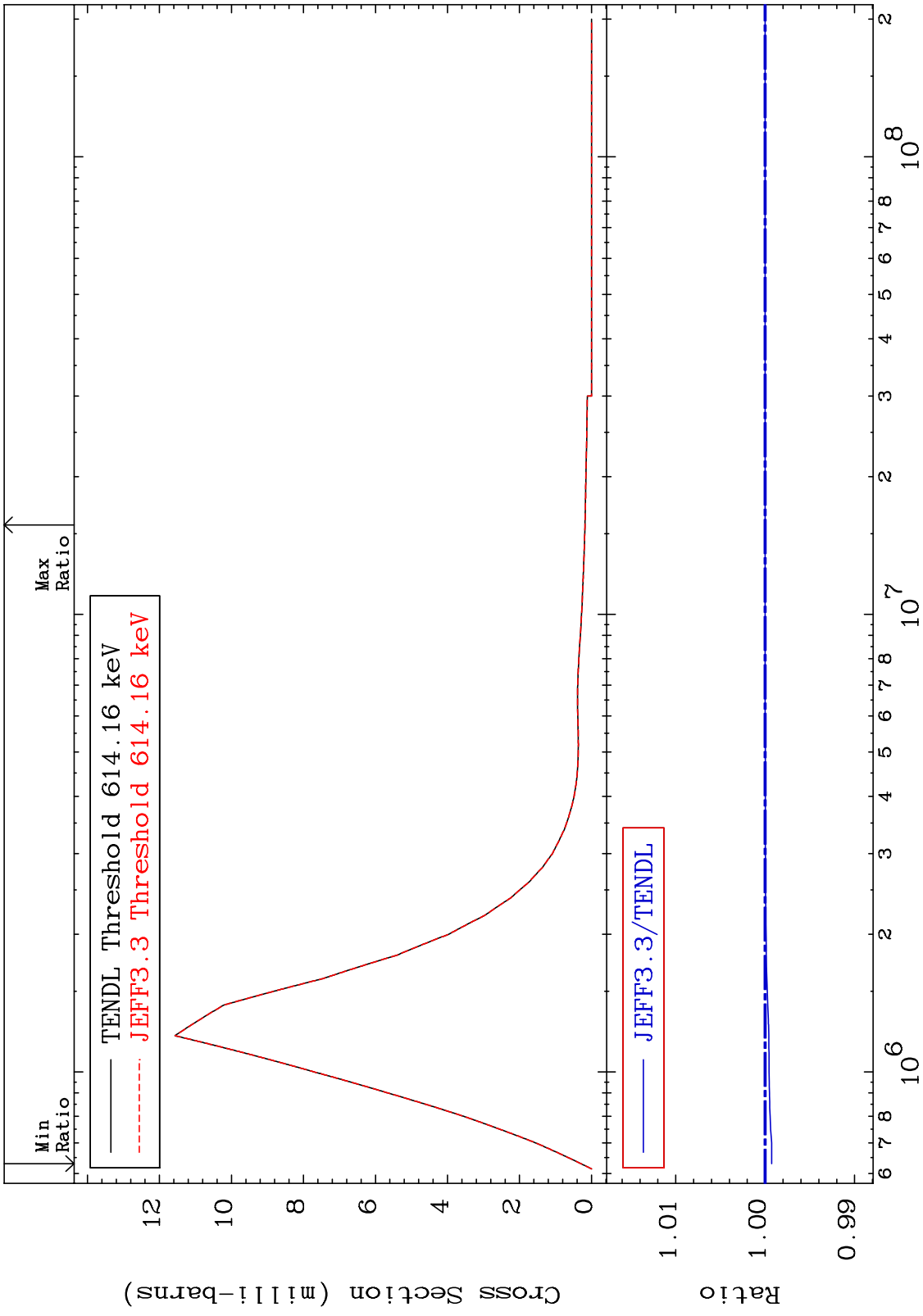


MAT 7040 MT= 62 (n,n') Level Cross Section 70-Yb-173  
 -0.052 To 0.000 %

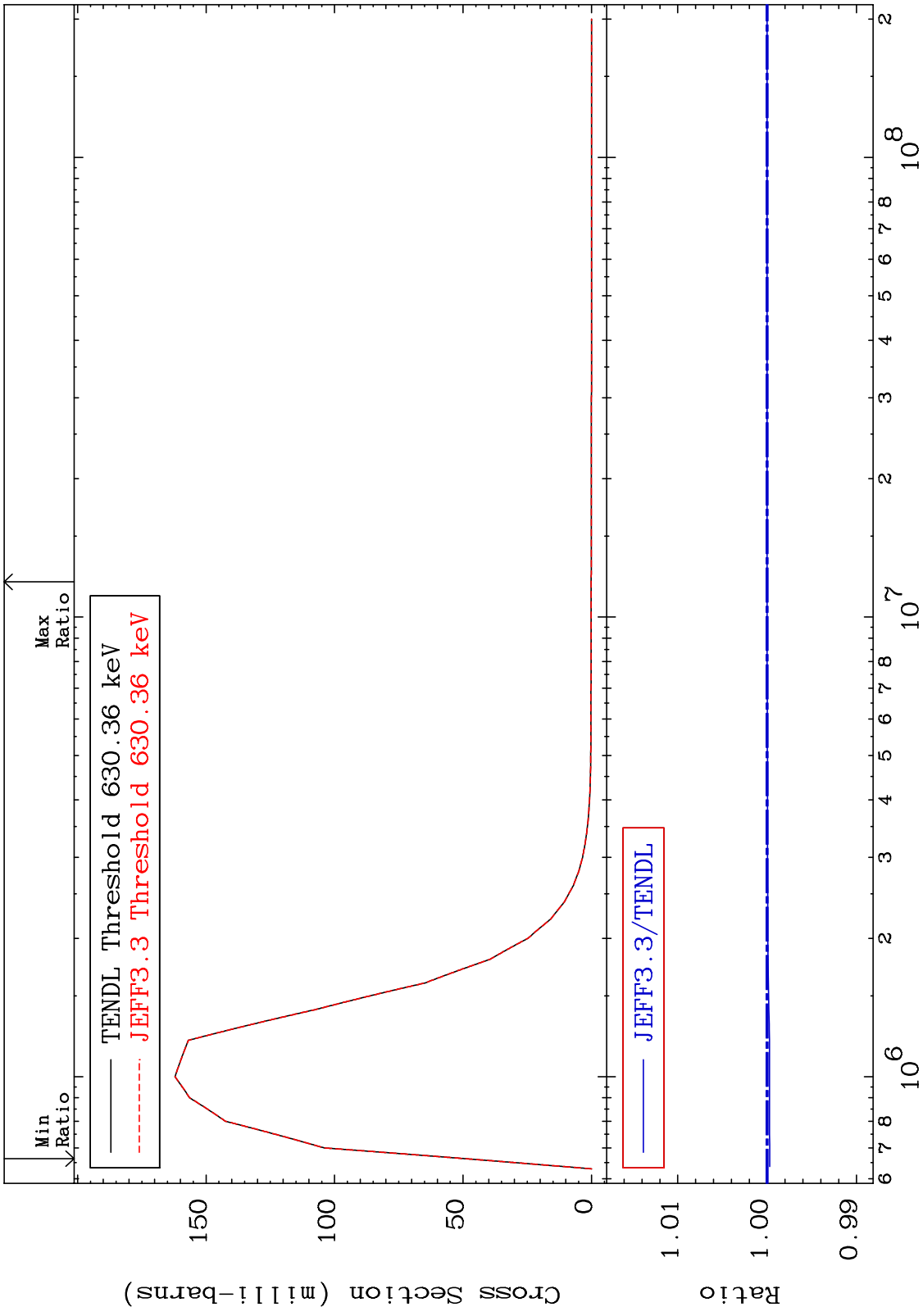




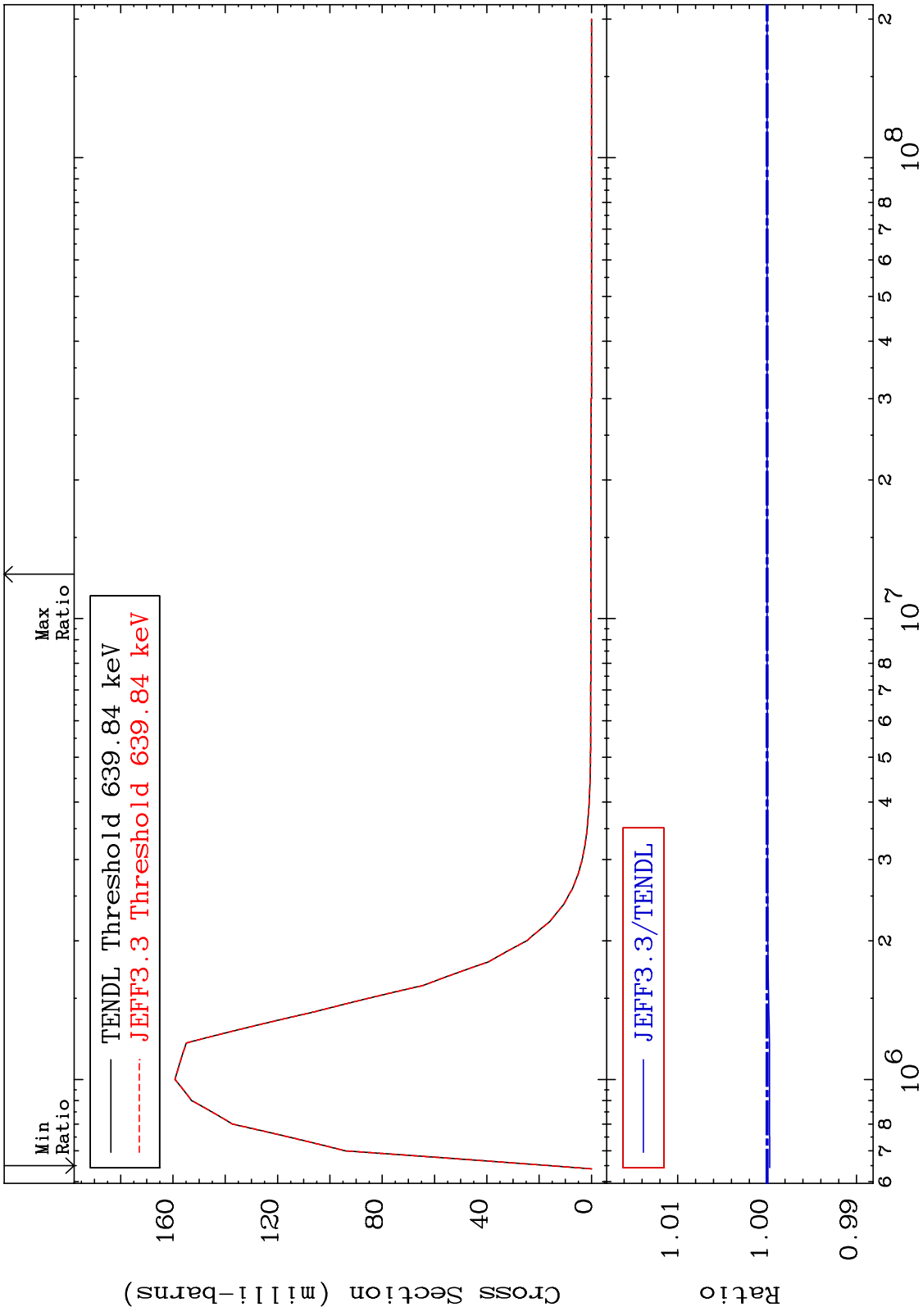
MAT 7040 MT= 63 (n,n') Level Cross Section -0.073 To 0.000 % 70-Yb-173



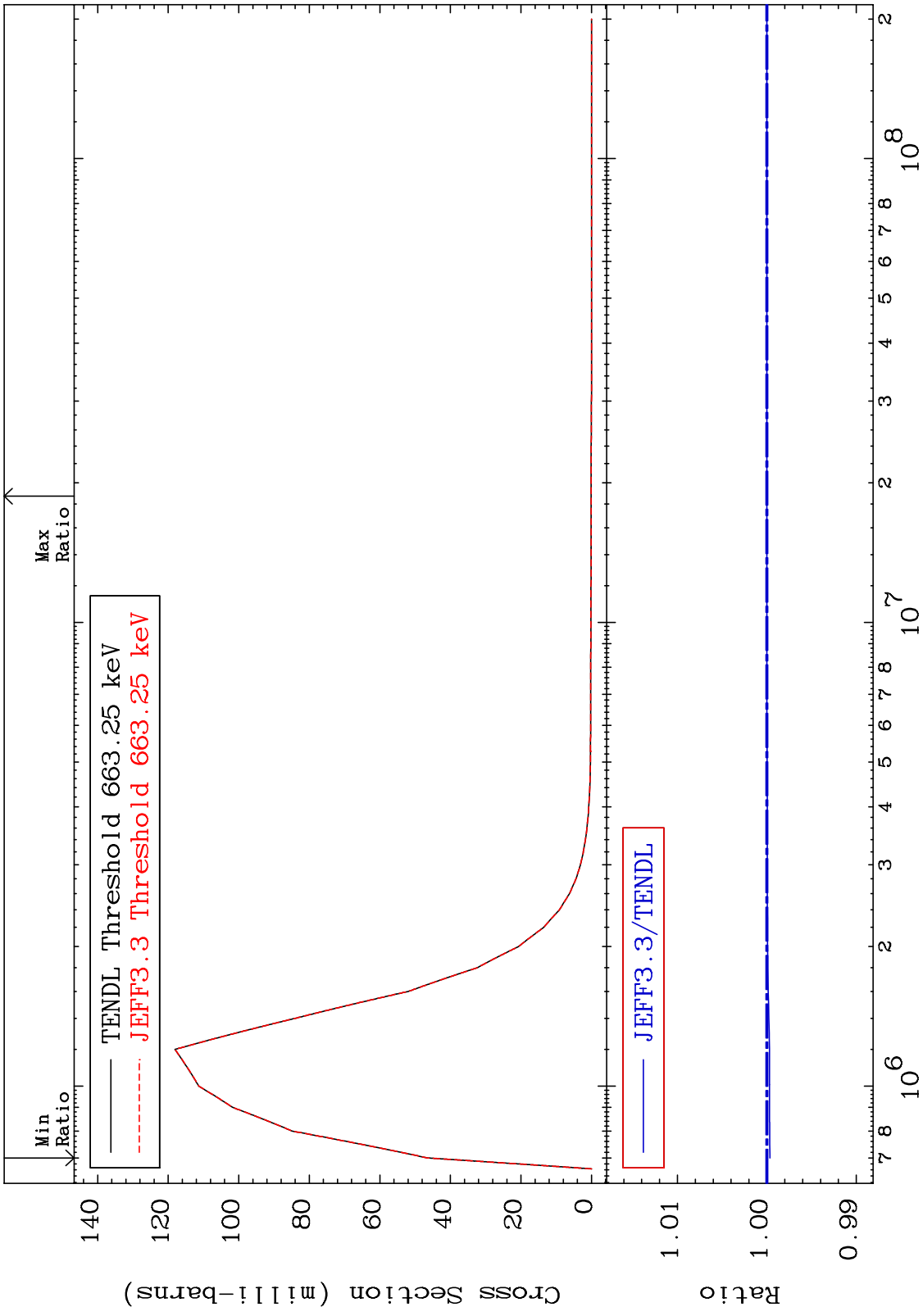
MAT 7040 MT= 64 (n,n') Level Cross Section -0.029 To 0.000 % 70-Yb-173



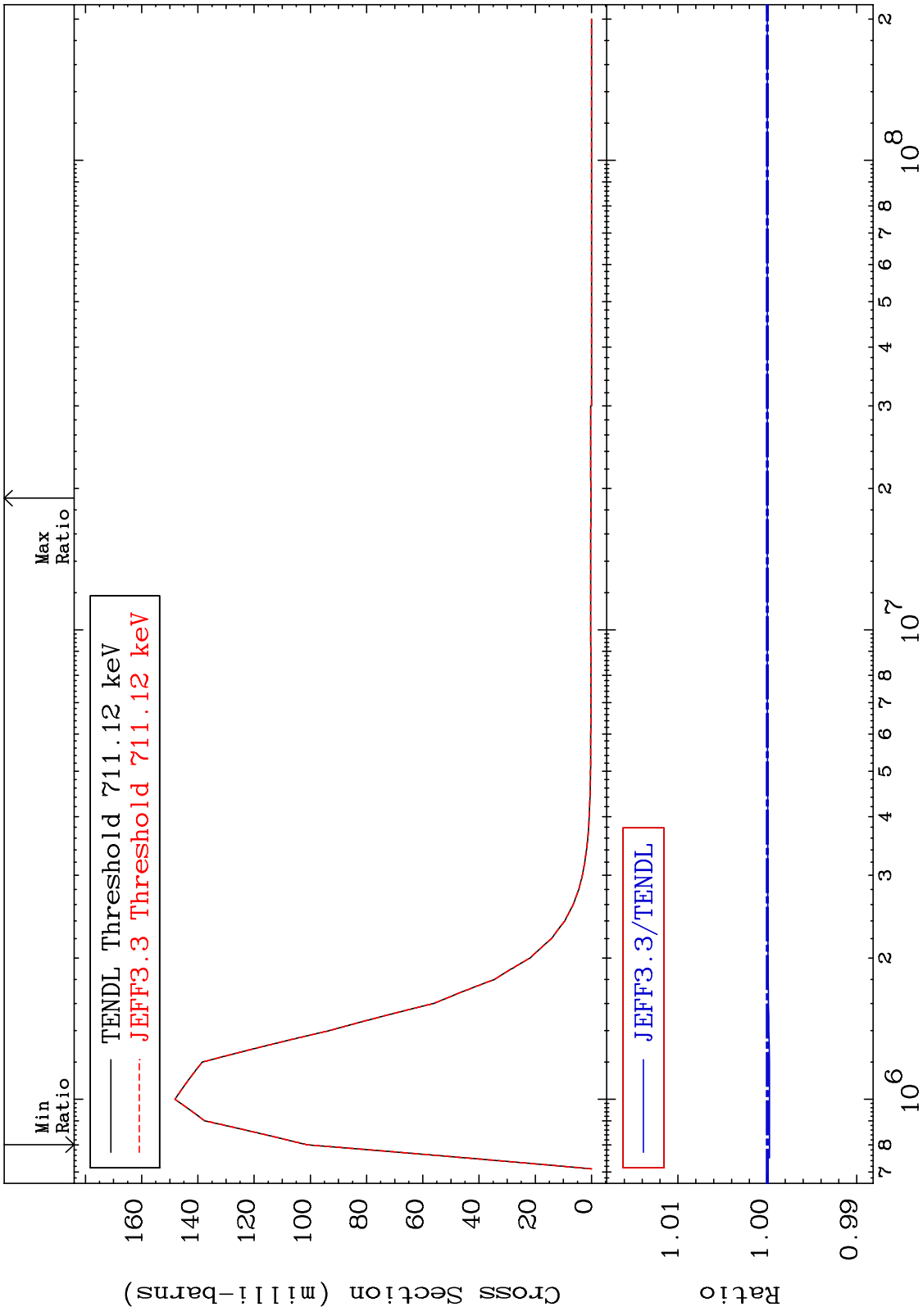
MAT 7040 MT= 65 (n,n') Level Cross Section 70-Yb-173  
 -0.029 To 0.000 %



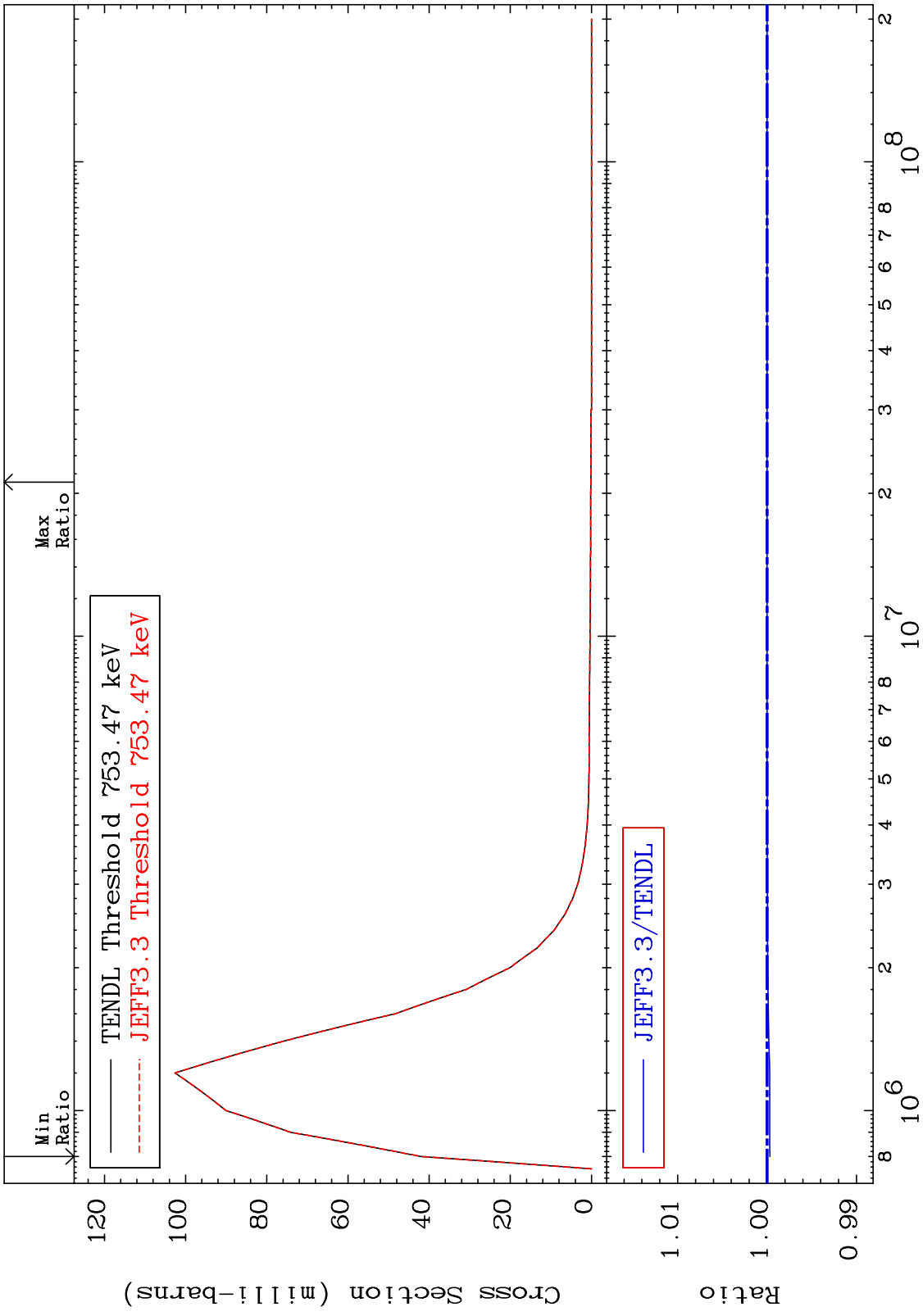
MAT 7040 MT= 66 (n,n') Level Cross Section -0.035 To 0.000 % 70-Yb-173



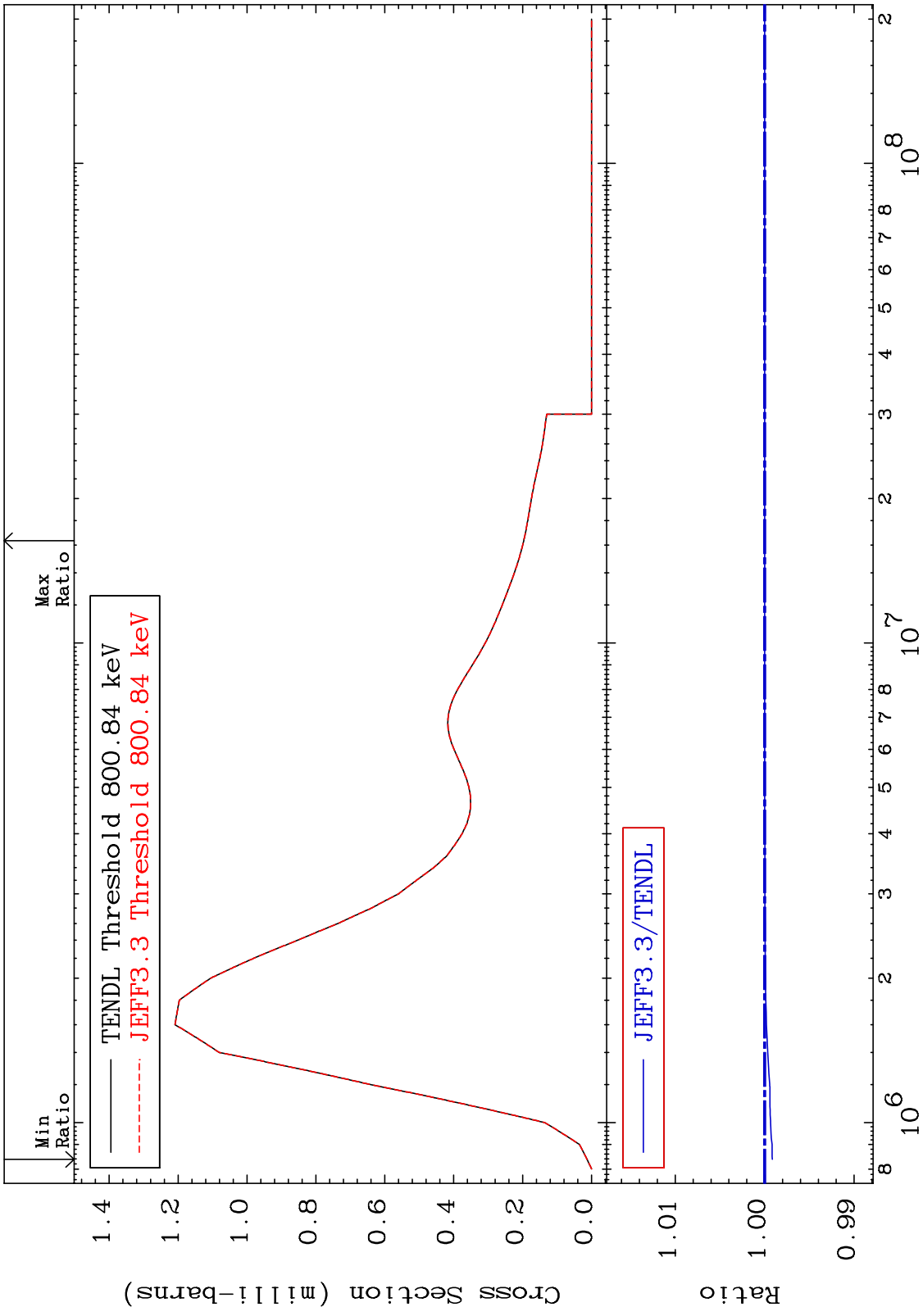
MAT 7040 MT= 67 (n,n') Level Cross Section 70-Yb-173  
 -0.025 To 0.000 %



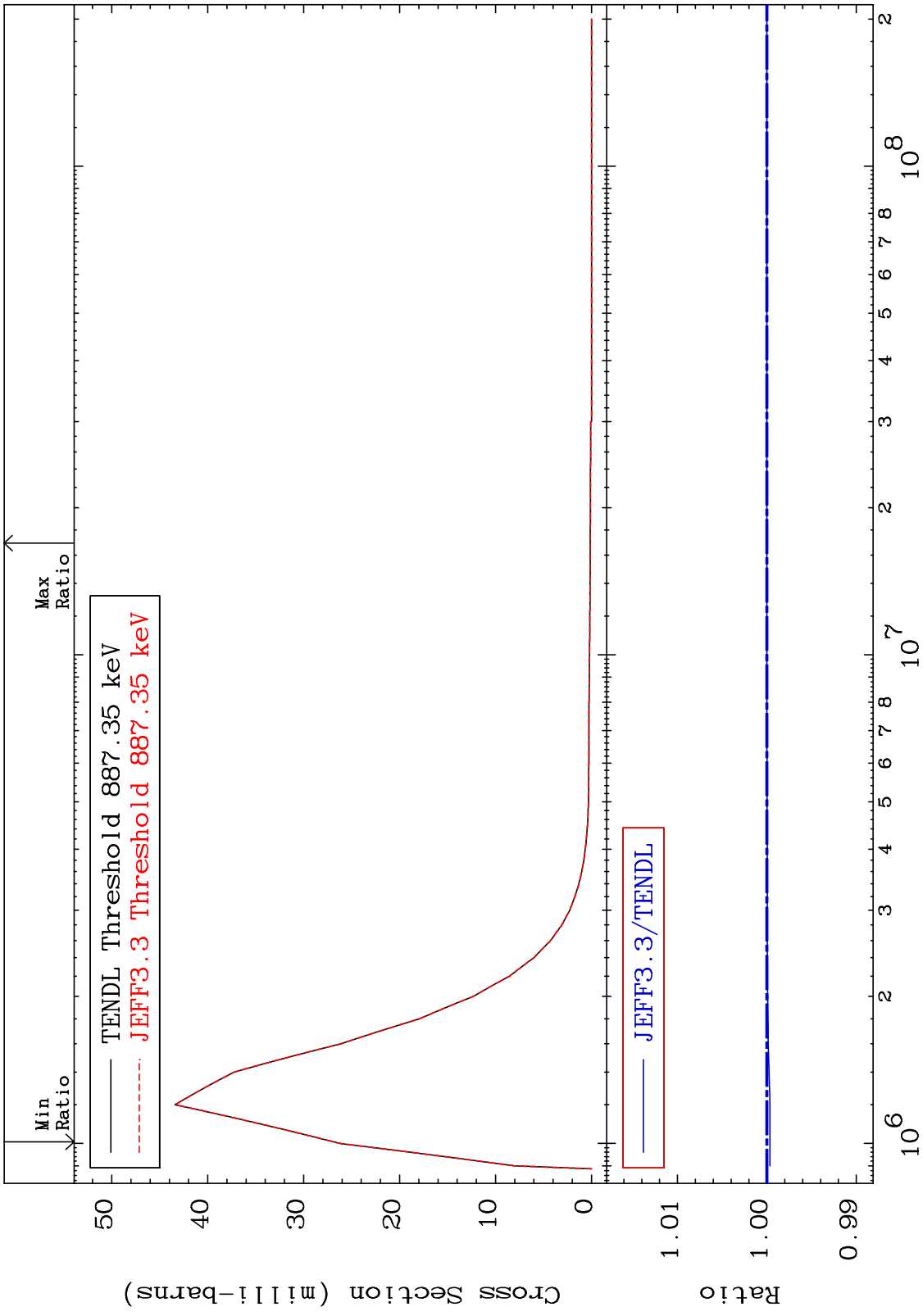
MAT 7040 MT= 68 (n,n') Level Cross Section -0.031 To 0.000 % 70-Yb-173



MAT 7040 MT= 69 (n, n') Level Cross Section 70-Yb-173  
 -0.084 To 0.000 %



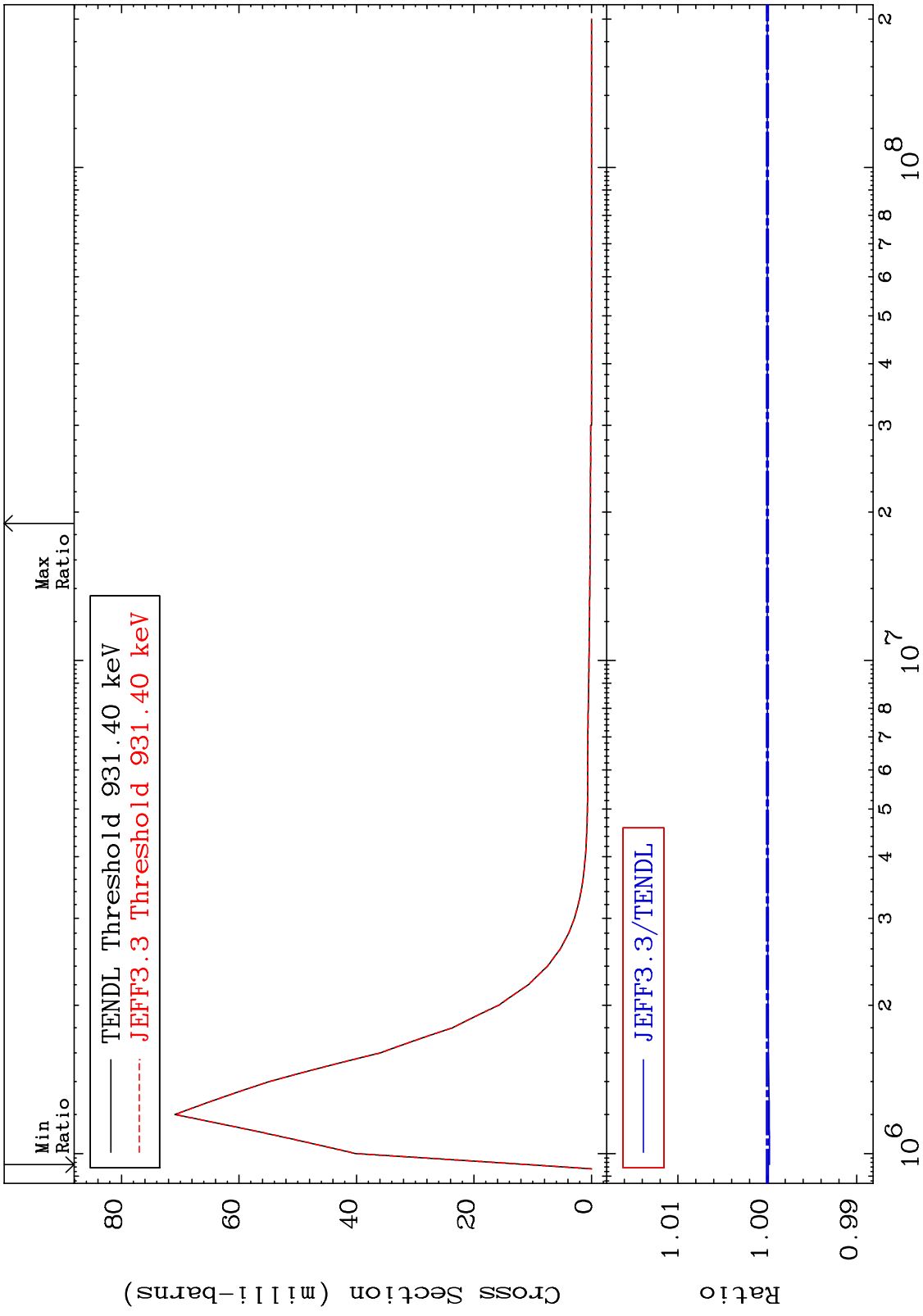
MAT 7040 MT= 70 (n,n') Level Cross Section 70-Yb-173 -0.034 To 0.000 %



39 Incident Energy (eV) 70-Yb-173

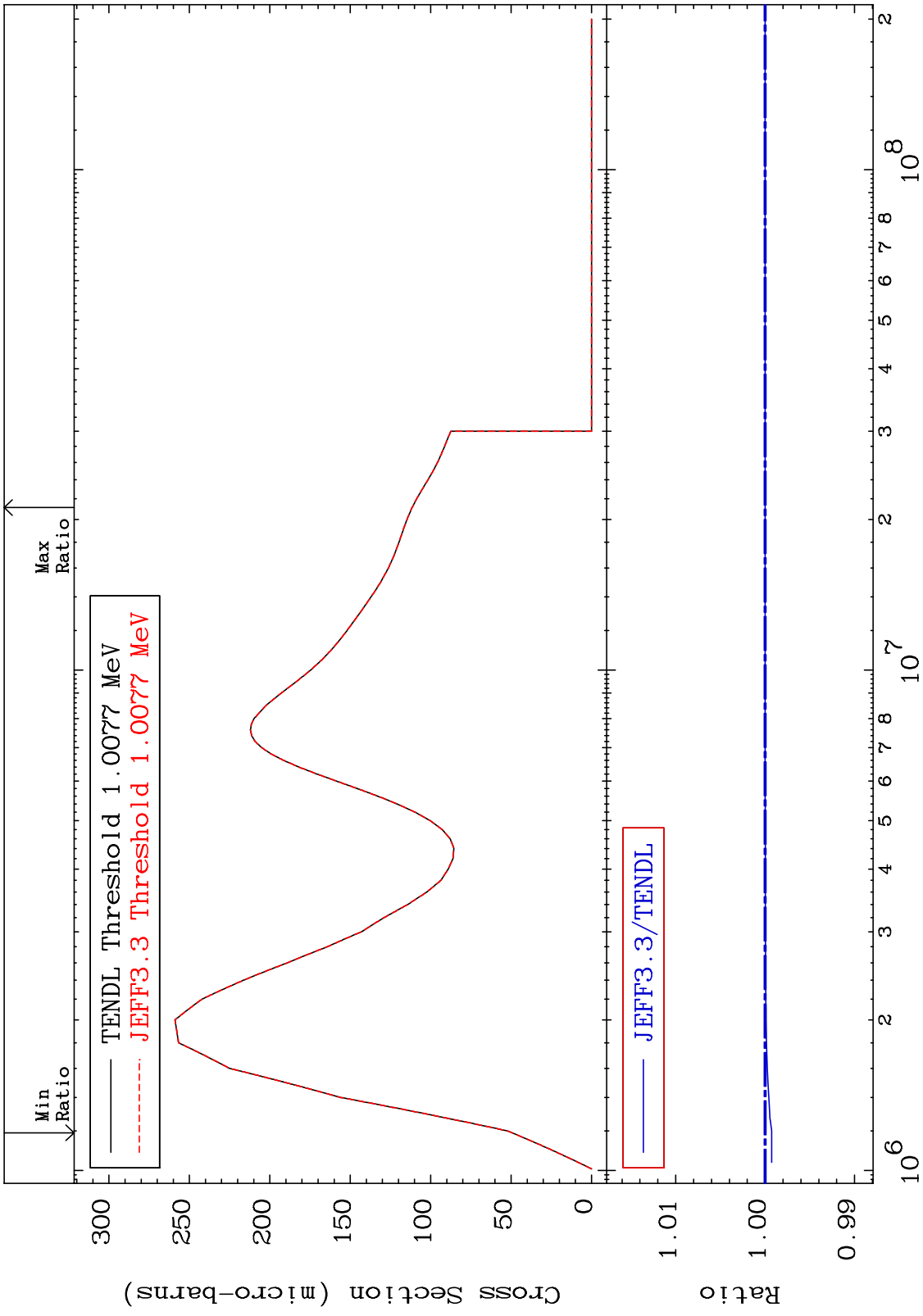


MAT 7040 MT= 71 (n,n') Level Cross Section 70-Yb-173 -0.023 To 0.000 %

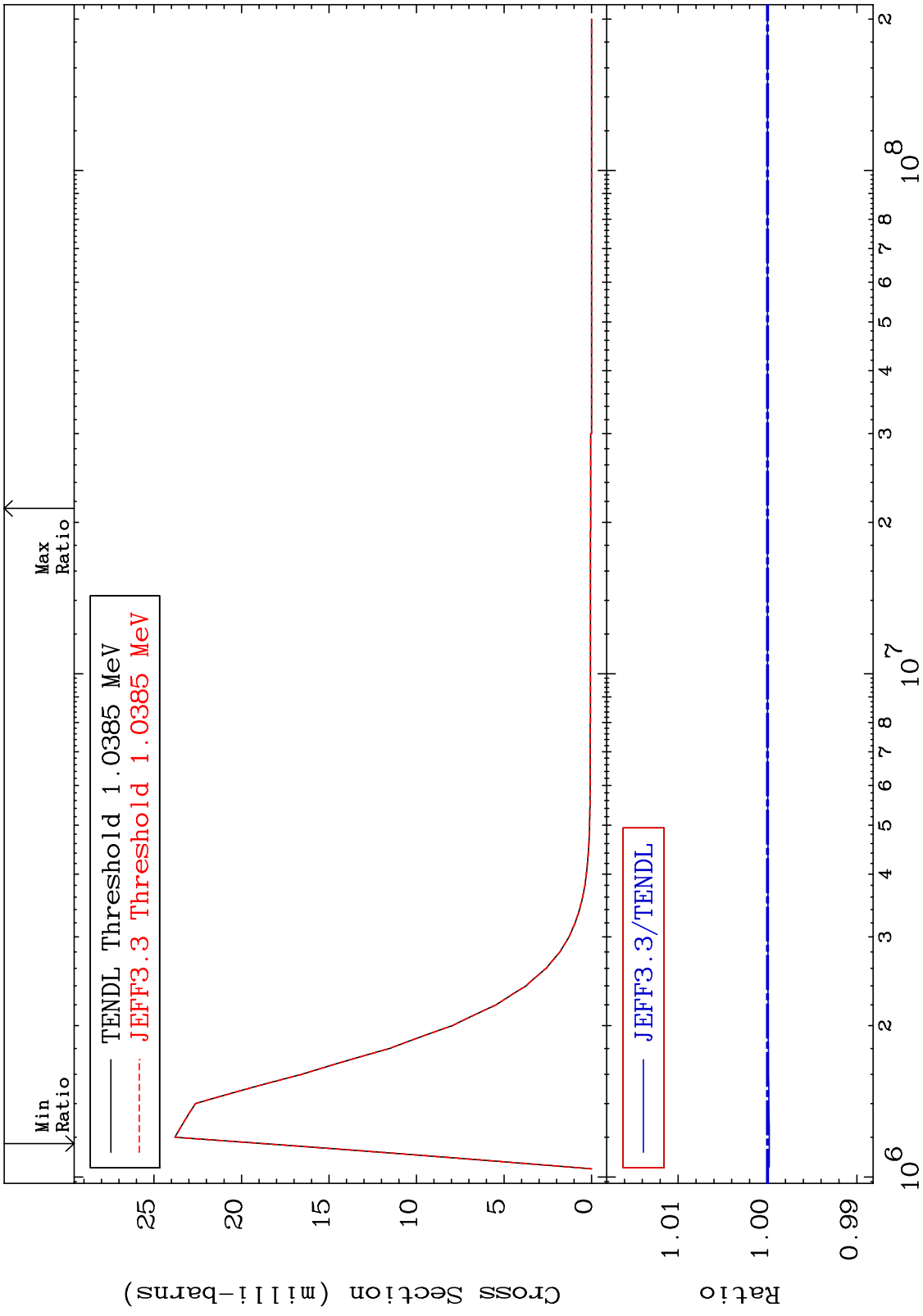


70-Yb-173

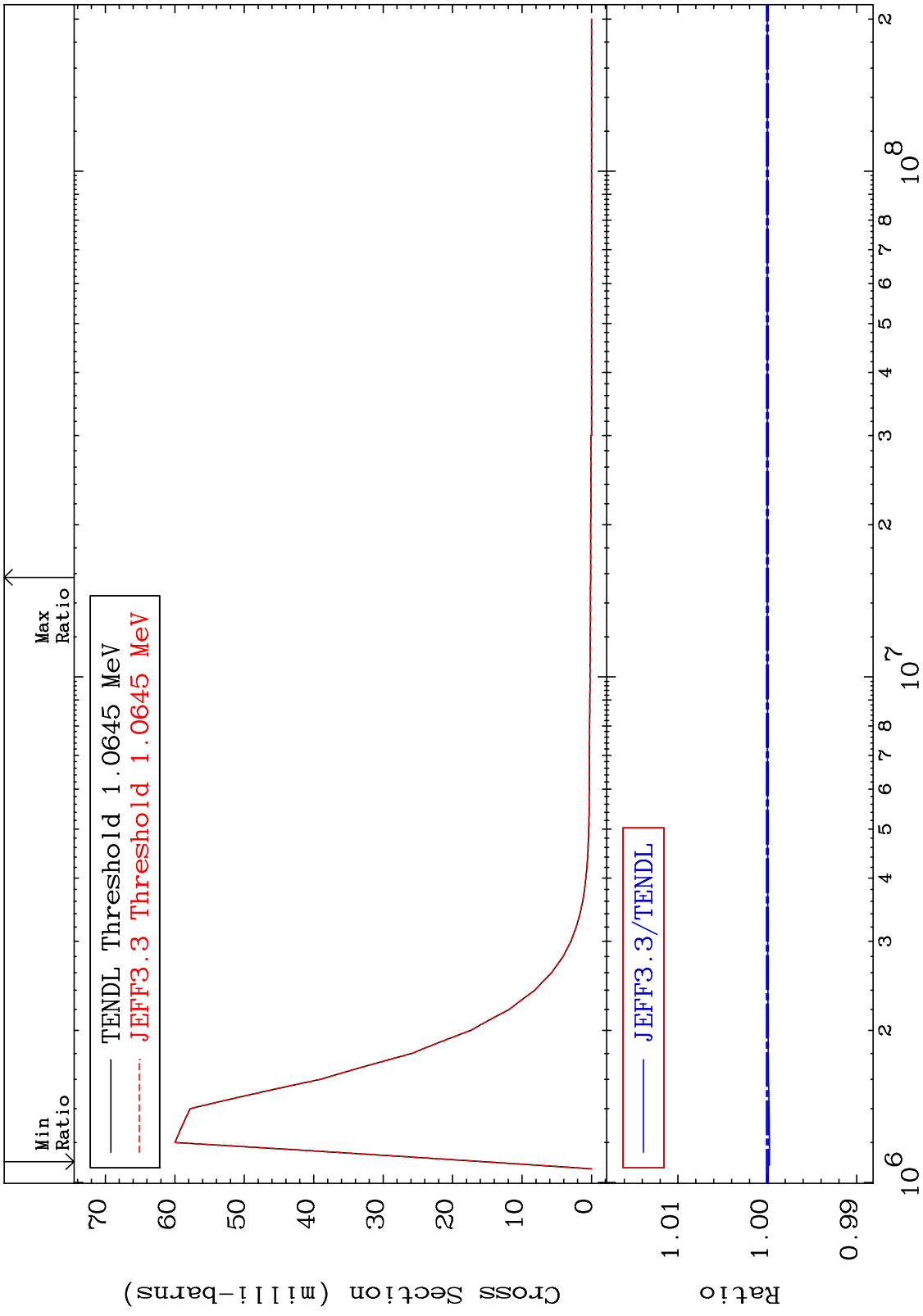
MAT 7040 MT= 72 (n,n') Level Cross Section 70-Yb-173  
 -0.074 To 0.000 %



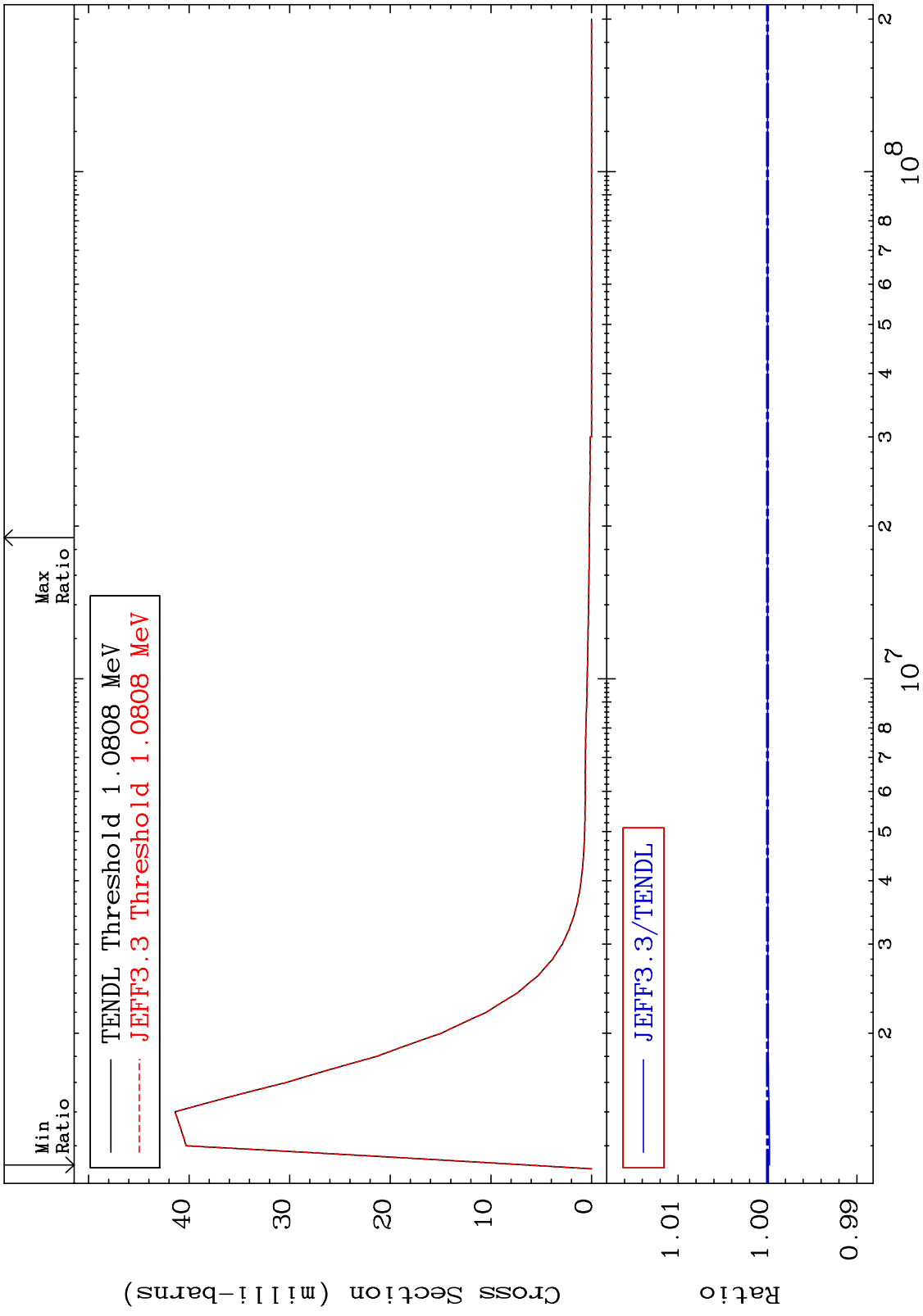
MAT 7040 MT= 73 (n,n') Level Cross Section 70-Yb-173  
 -0.021 To 0.000 %



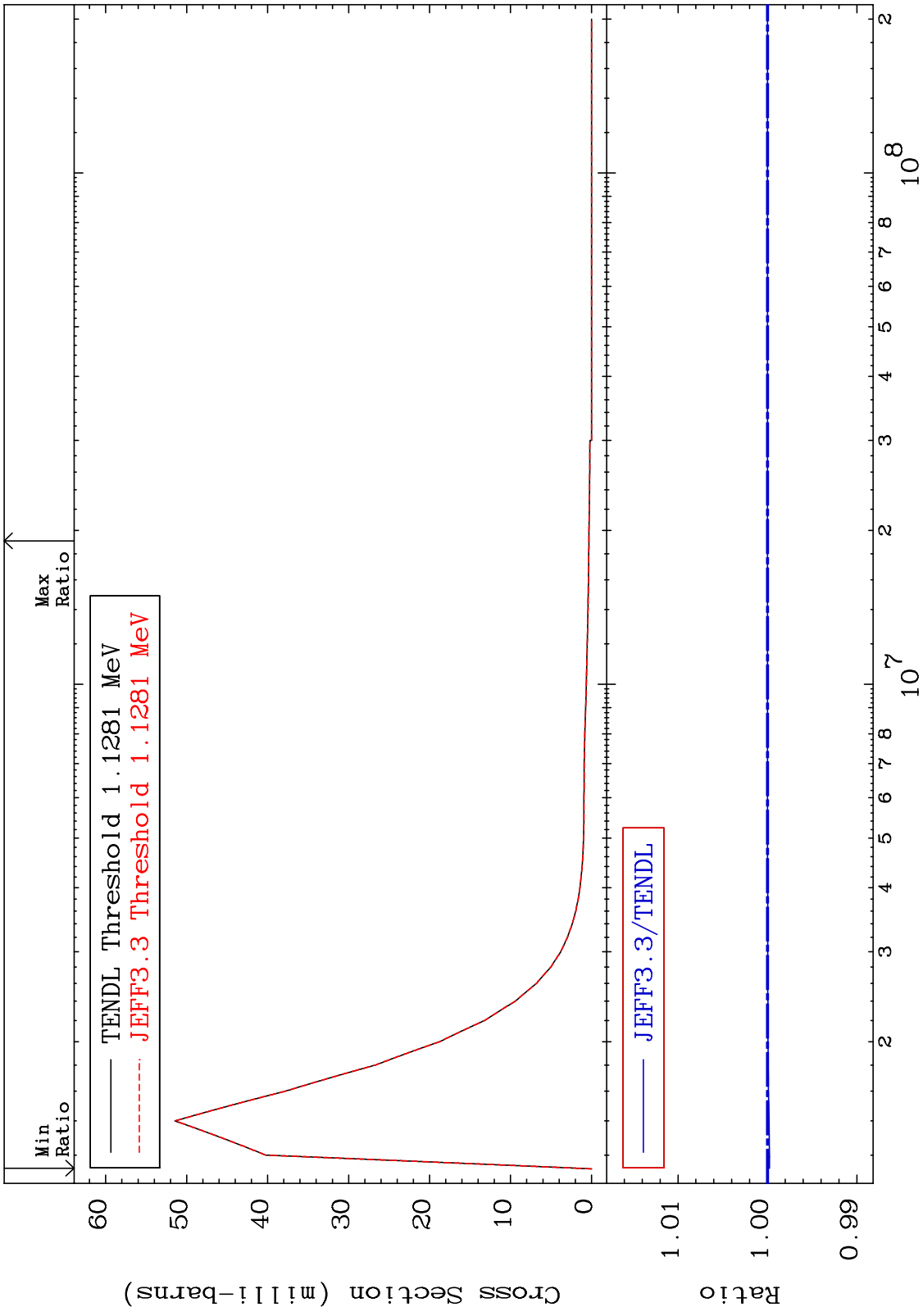
MAT 7040 MT= 74 (n,n') Level Cross Section 70-Yb-173 -0.024 To 0.000 %



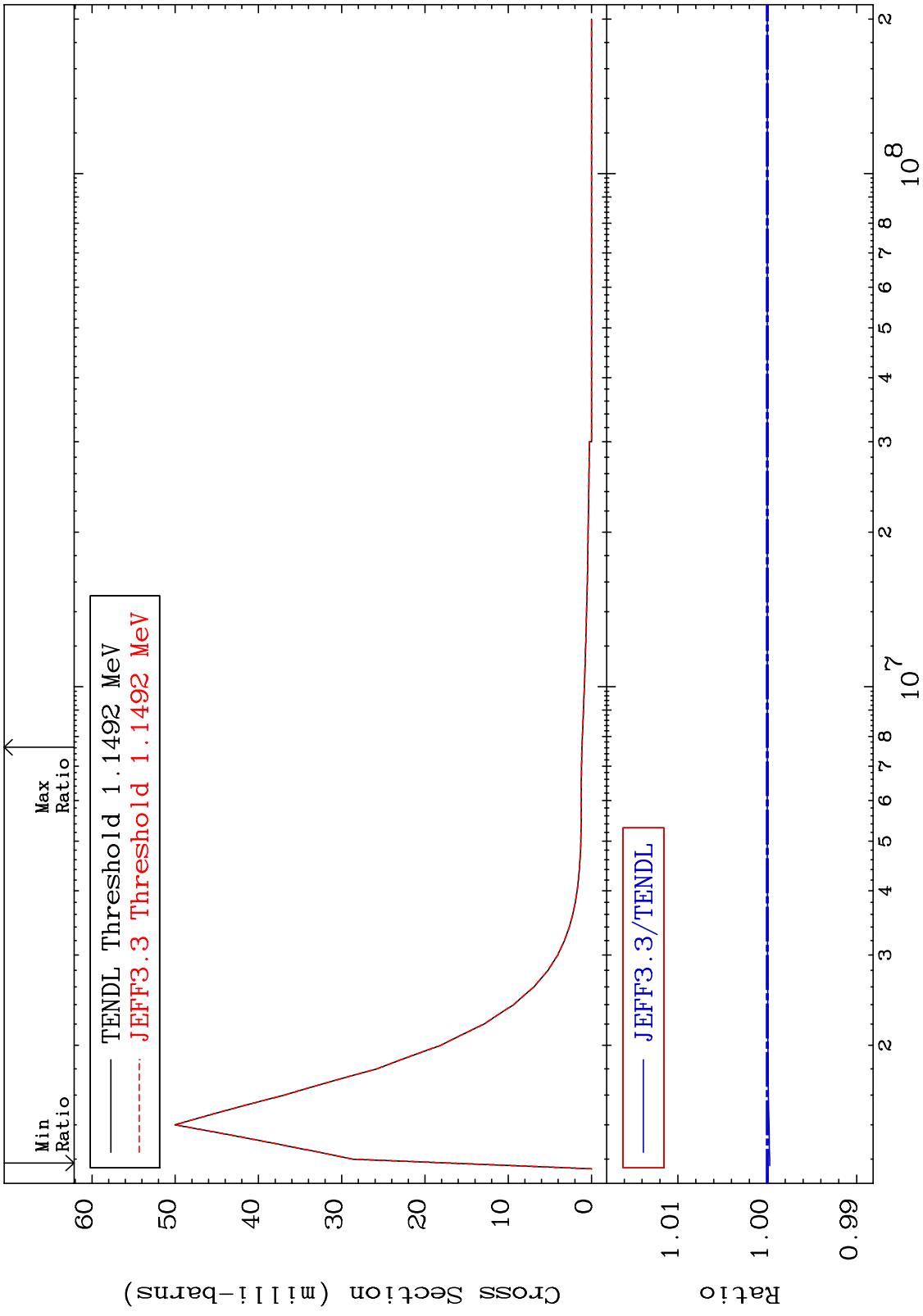
MAT 7040 MT= 75 (n,n') Level Cross Section 70-Yb-173 -0.021 To 0.000 %



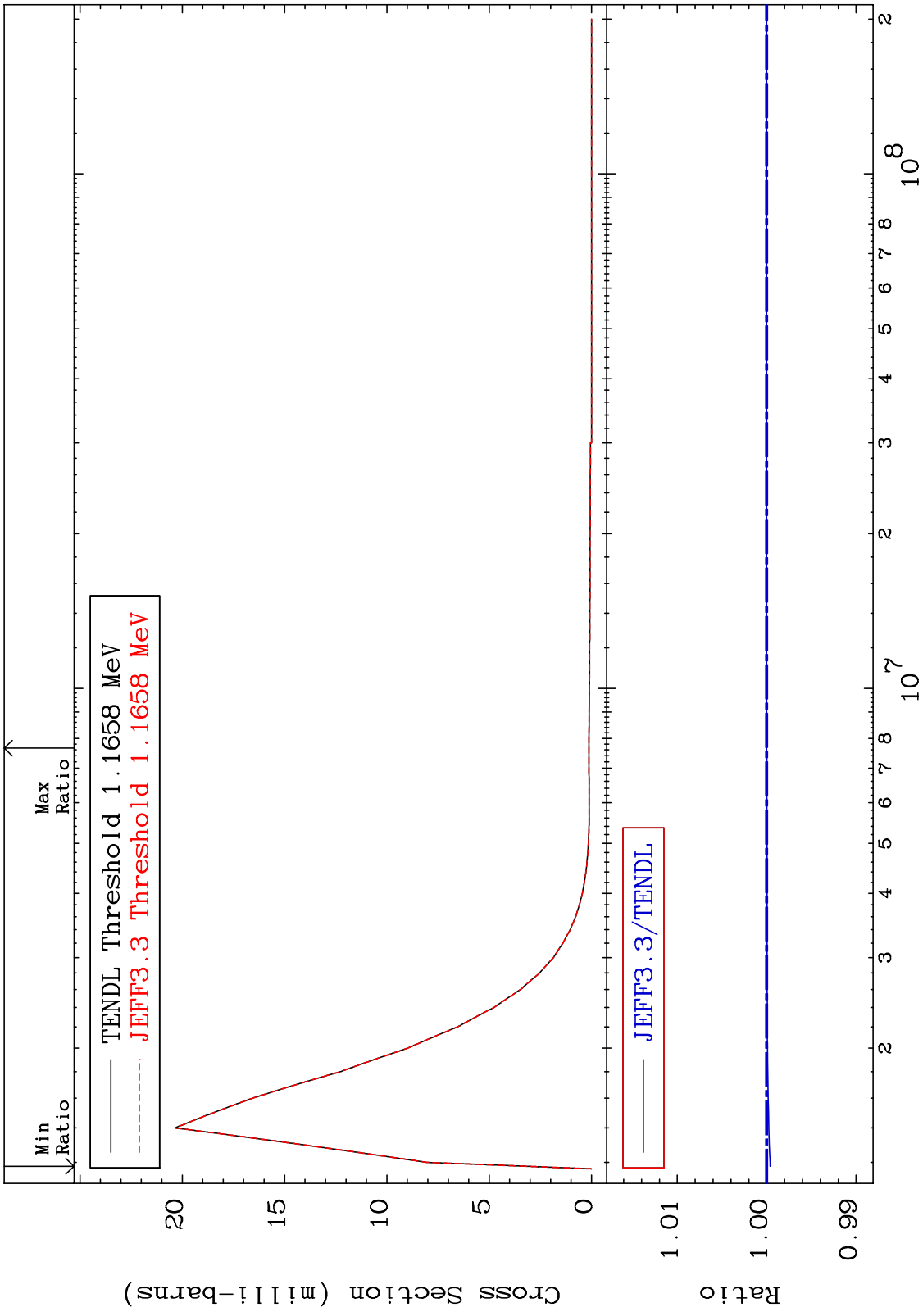
MAT 7040 MT= 76 (n,n') Level Cross Section -0.023 To 0.000 % 70-Yb-173



MAT 7040 MT= 77 (n,n') Level Cross Section 70-Yb-173  
 -0.026 To 0.000 %

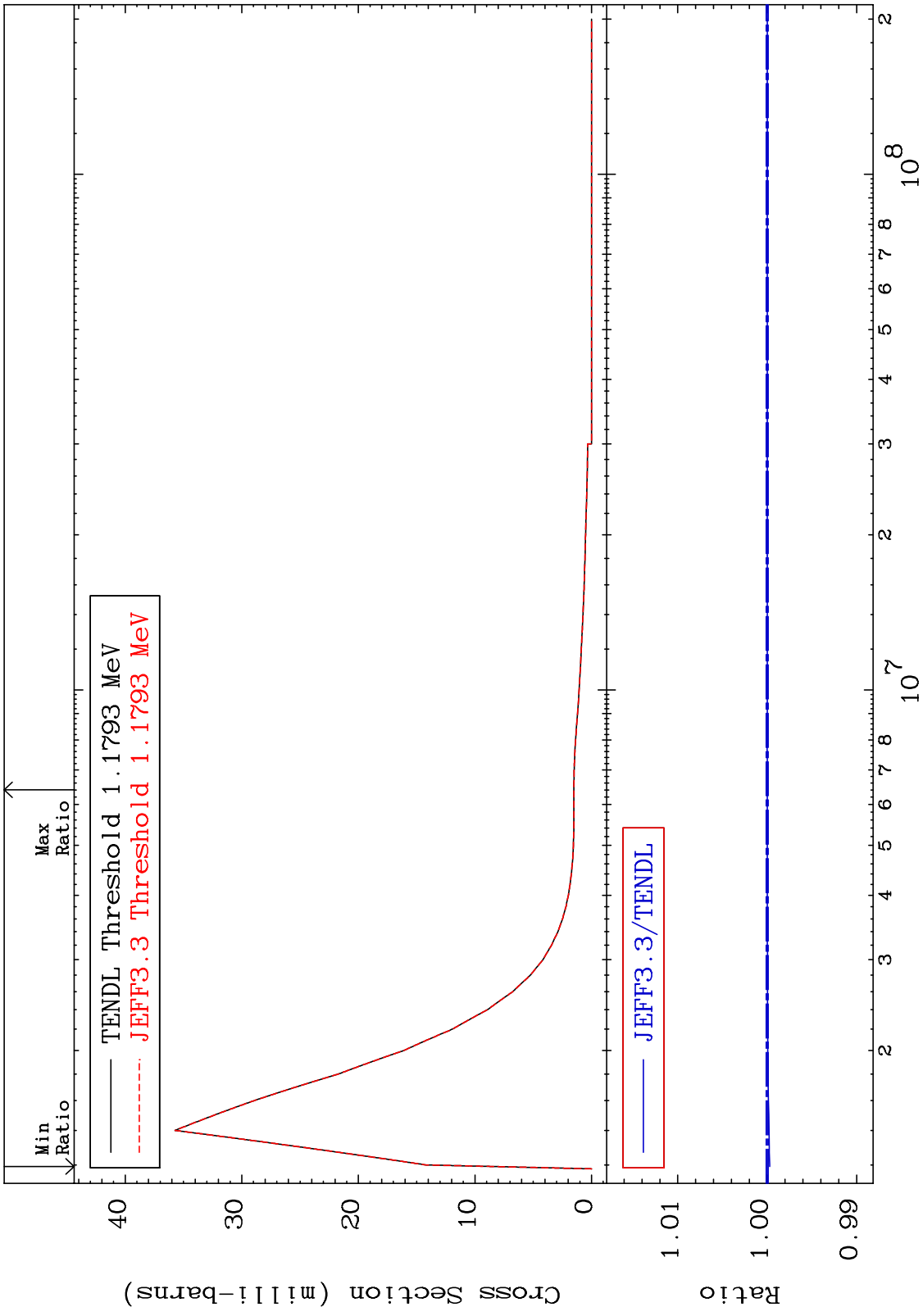


MAT 7040 MT= 78 (n,n') Level Cross Section 70-Yb-173  
 -0.039 To 0.000 %

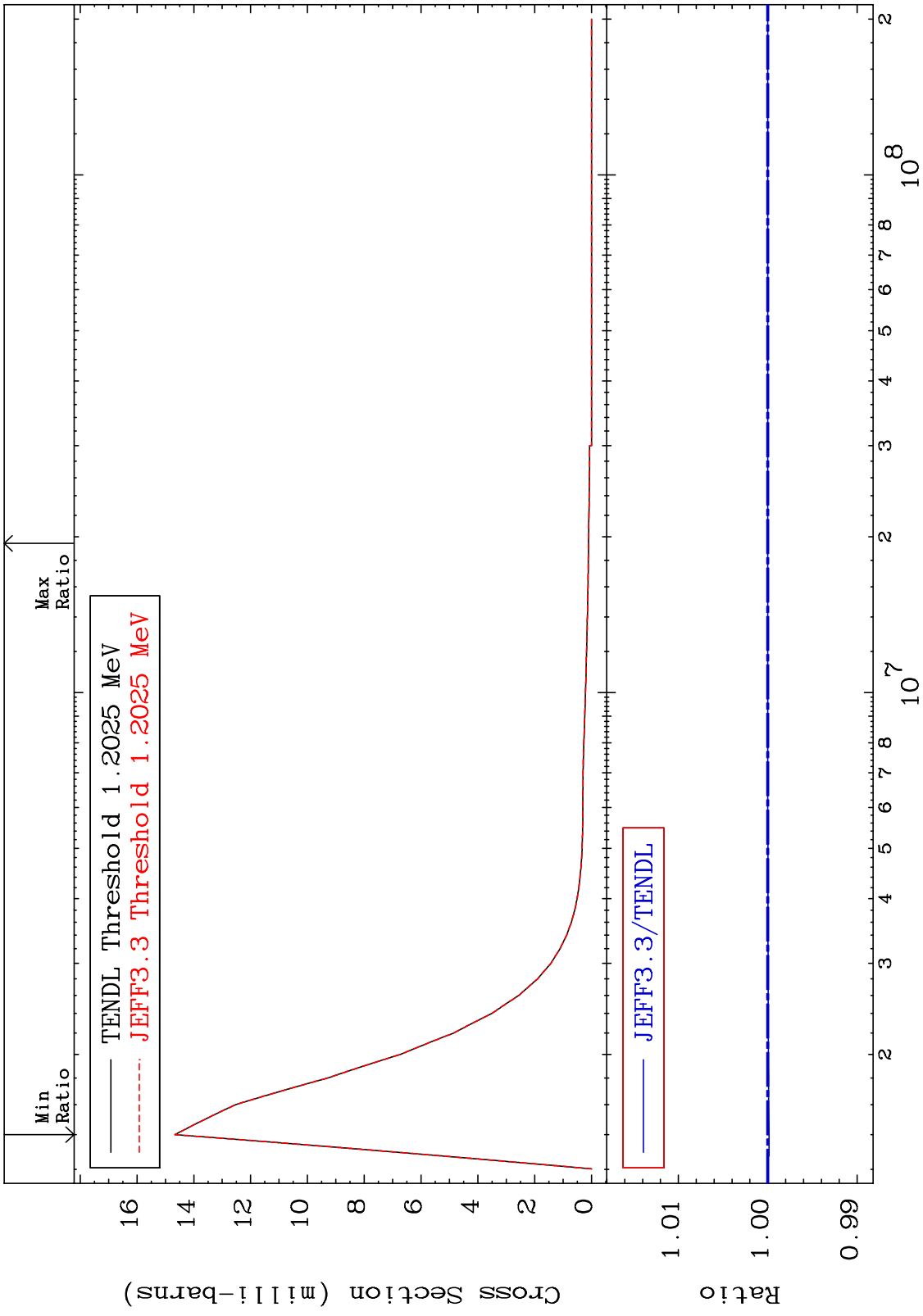




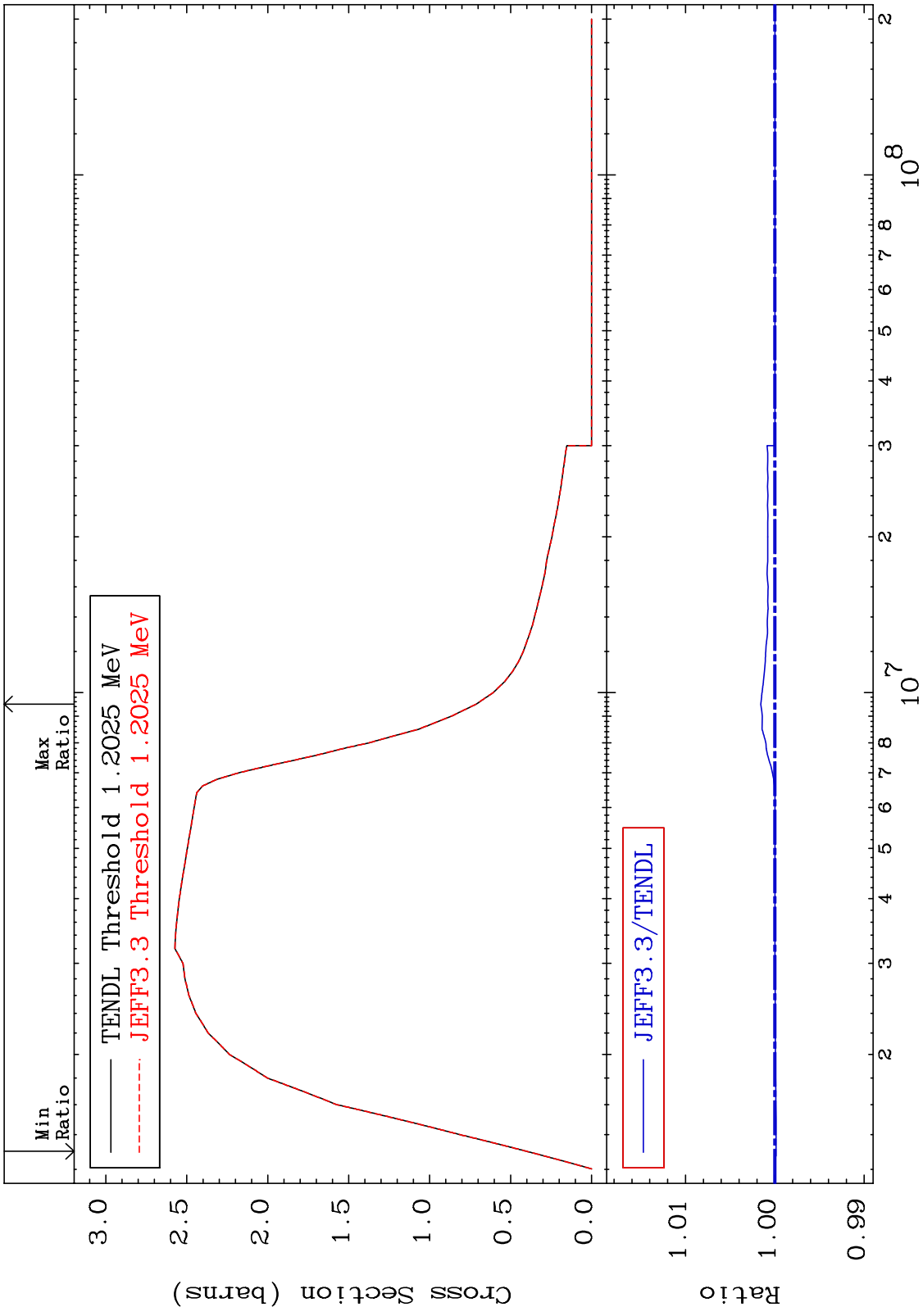
MAT 7040 MT= 79 (n,n') Level  
Cross Section 70-Yb-173  
-0.028 To 0.000 %



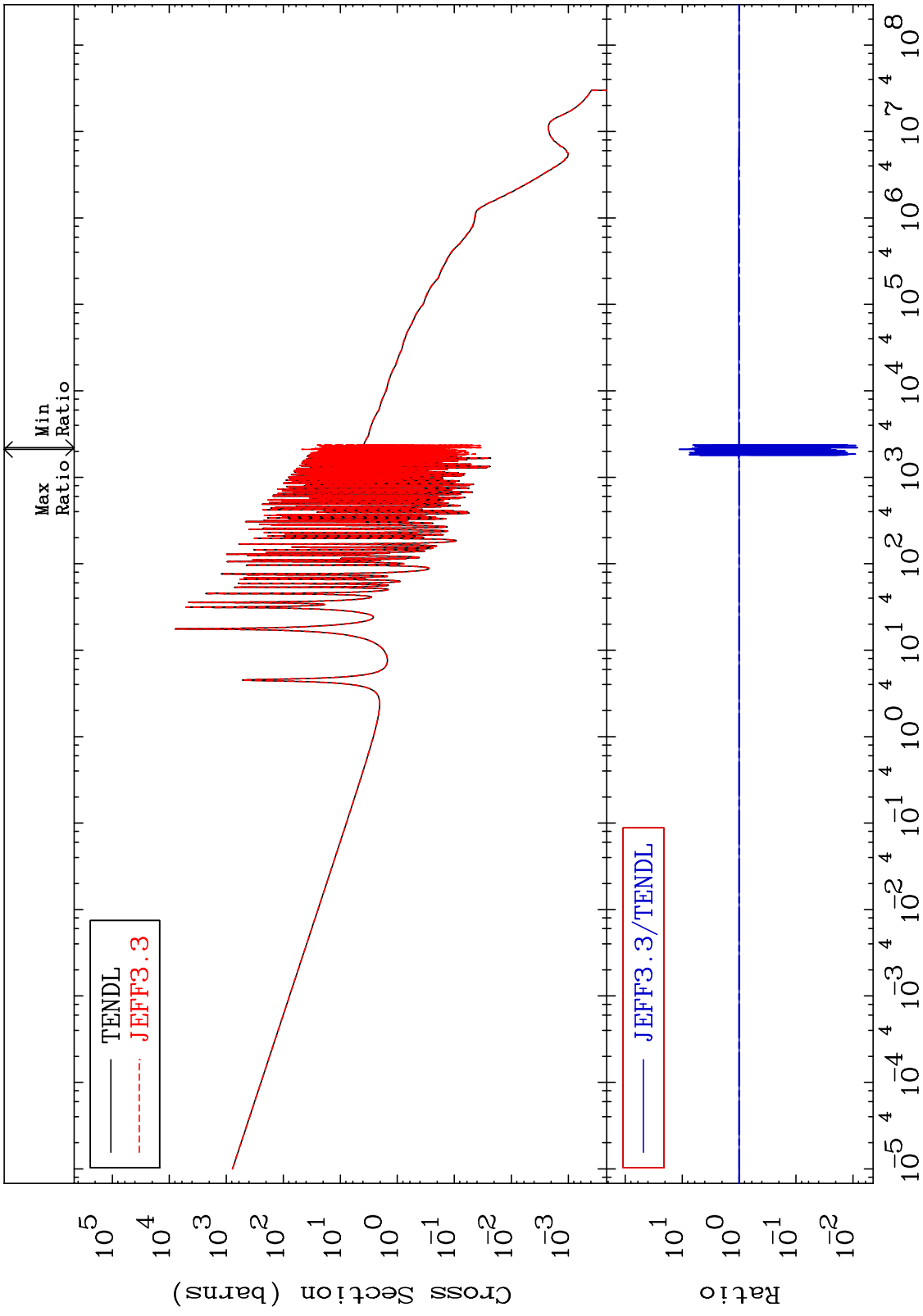
MAT 7040 MT= 80 (n,n') Level Cross Section -0.015 To 0.000 % 70-Yb-173



MAT 7040 (n,n') Continuum Cross Section 70-Yb-173 -0.014 To 0.158 %

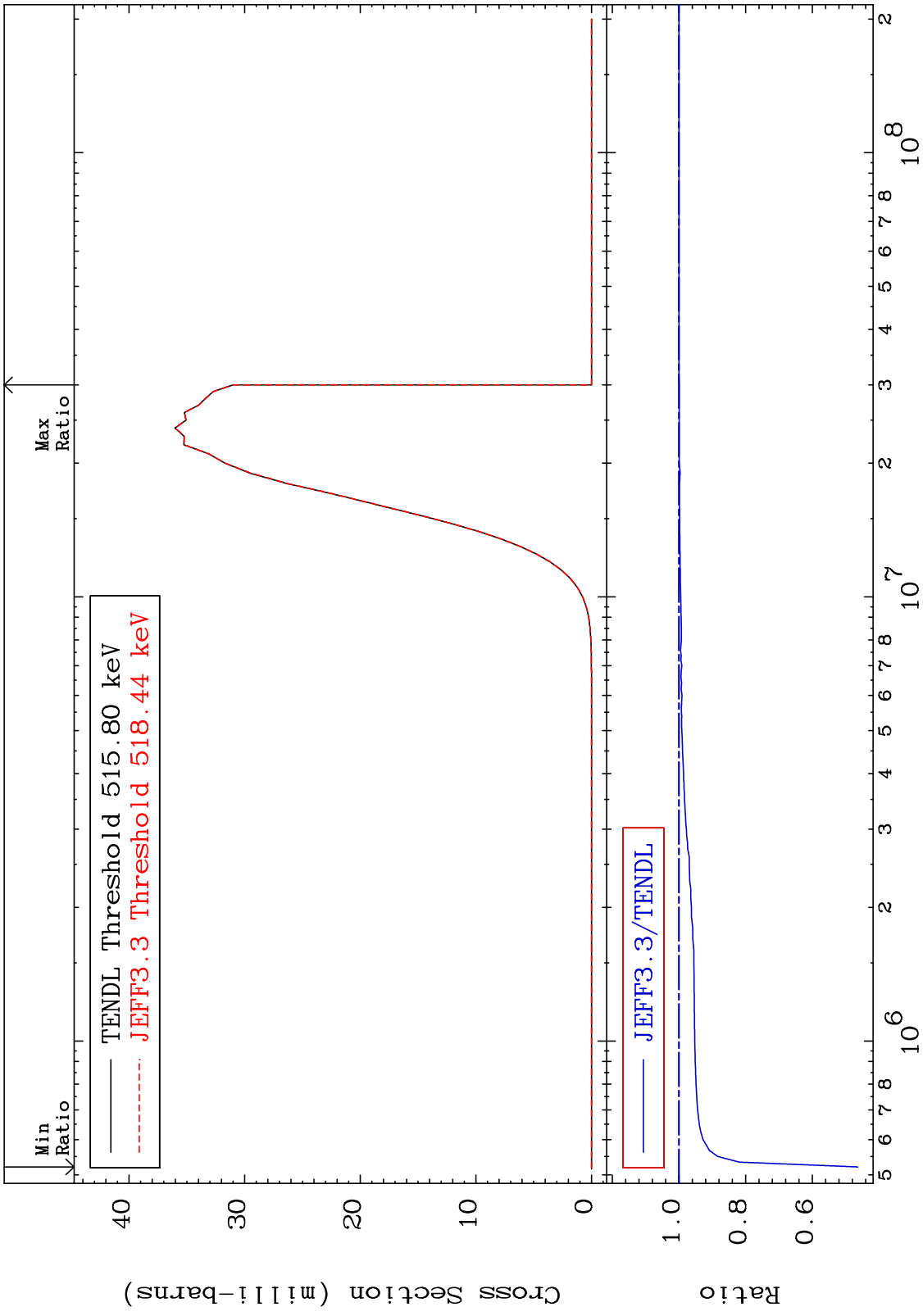


MAT 7040 70-Yb-173  
-99.18 To 1036. %  
 (n,  $\gamma$ )  
 Cross Section

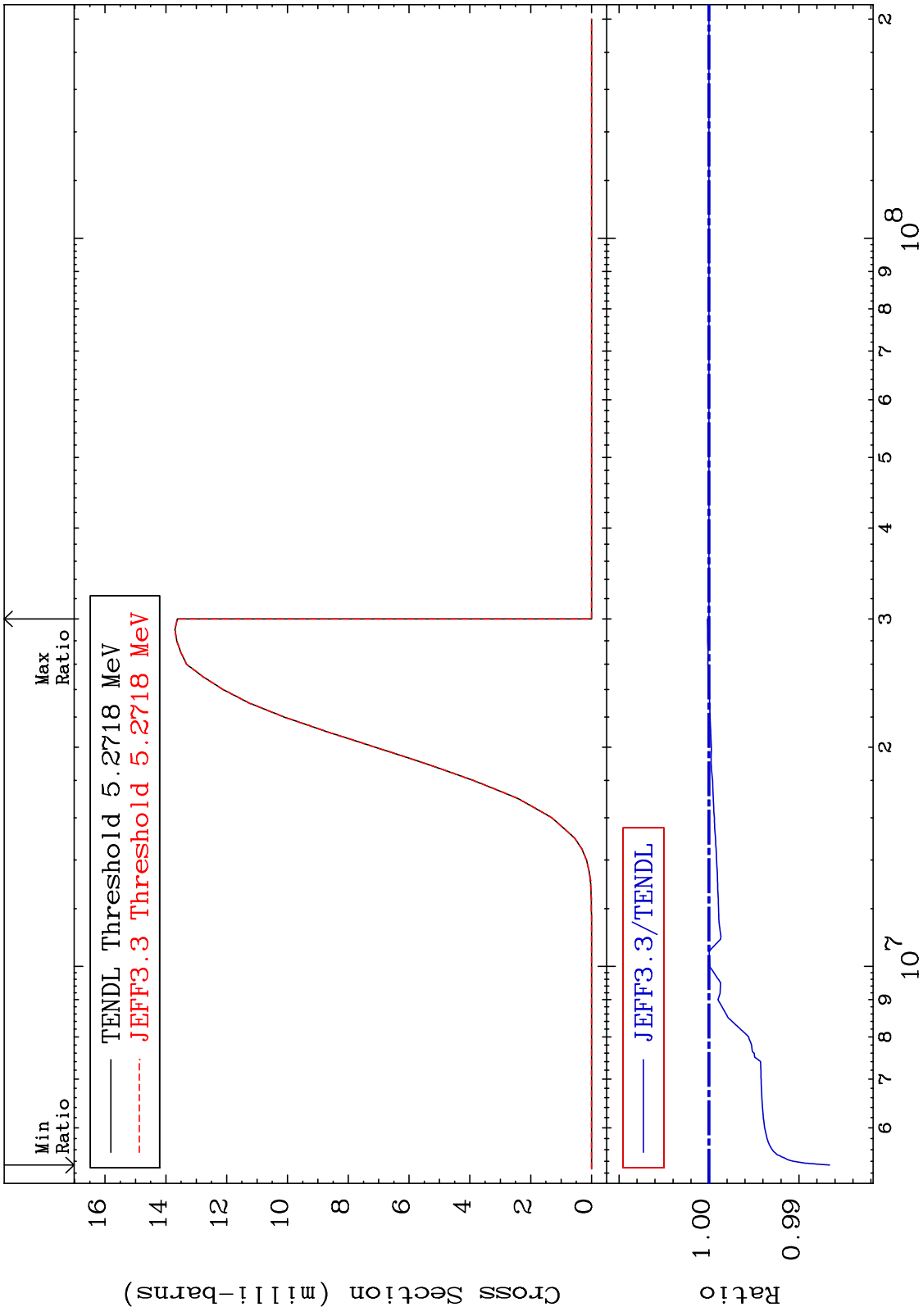


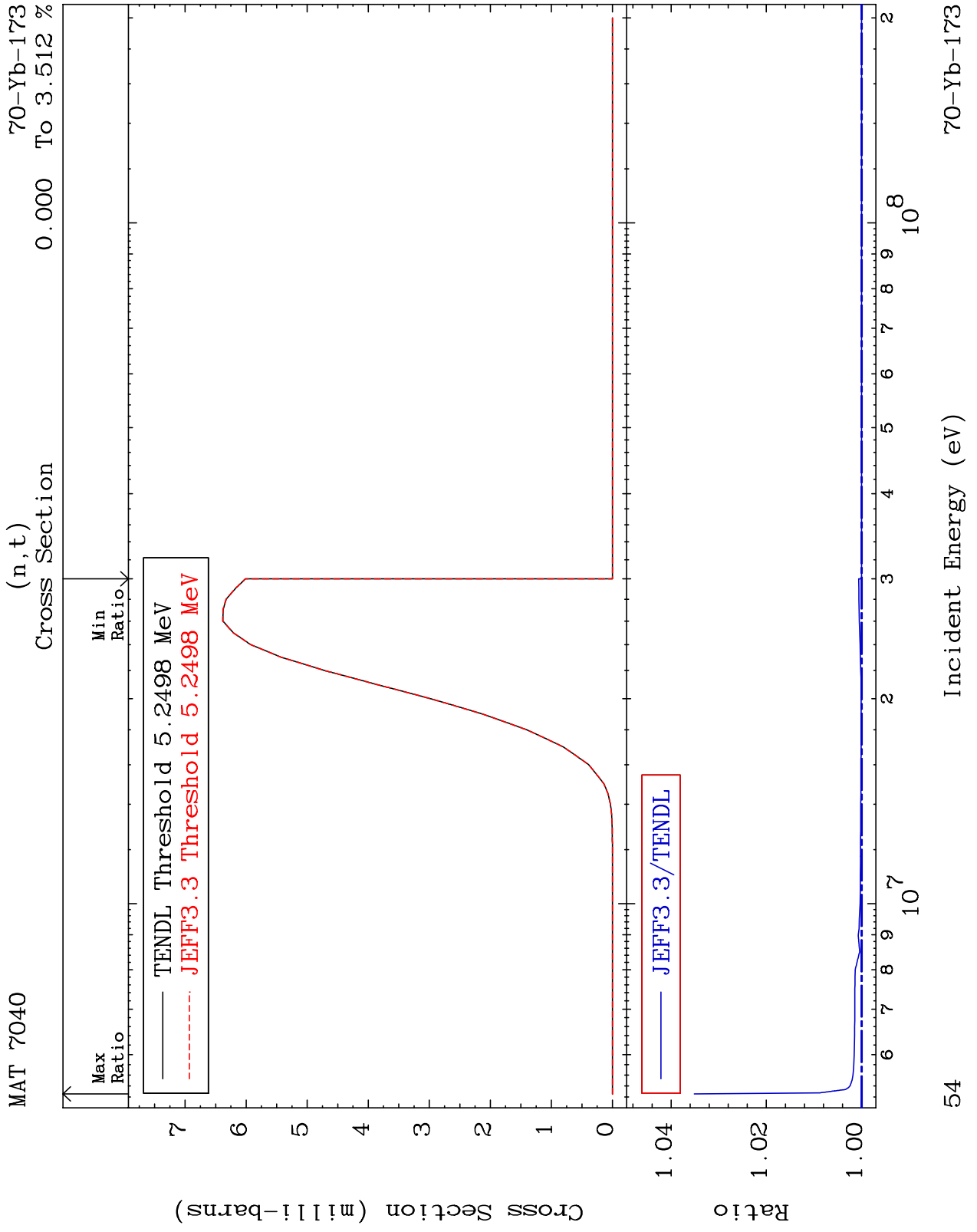
51 70-Yb-173

MAT 7040 (n,p) Cross Section 70-Yb-173  
 -53.65 To 0.000 %

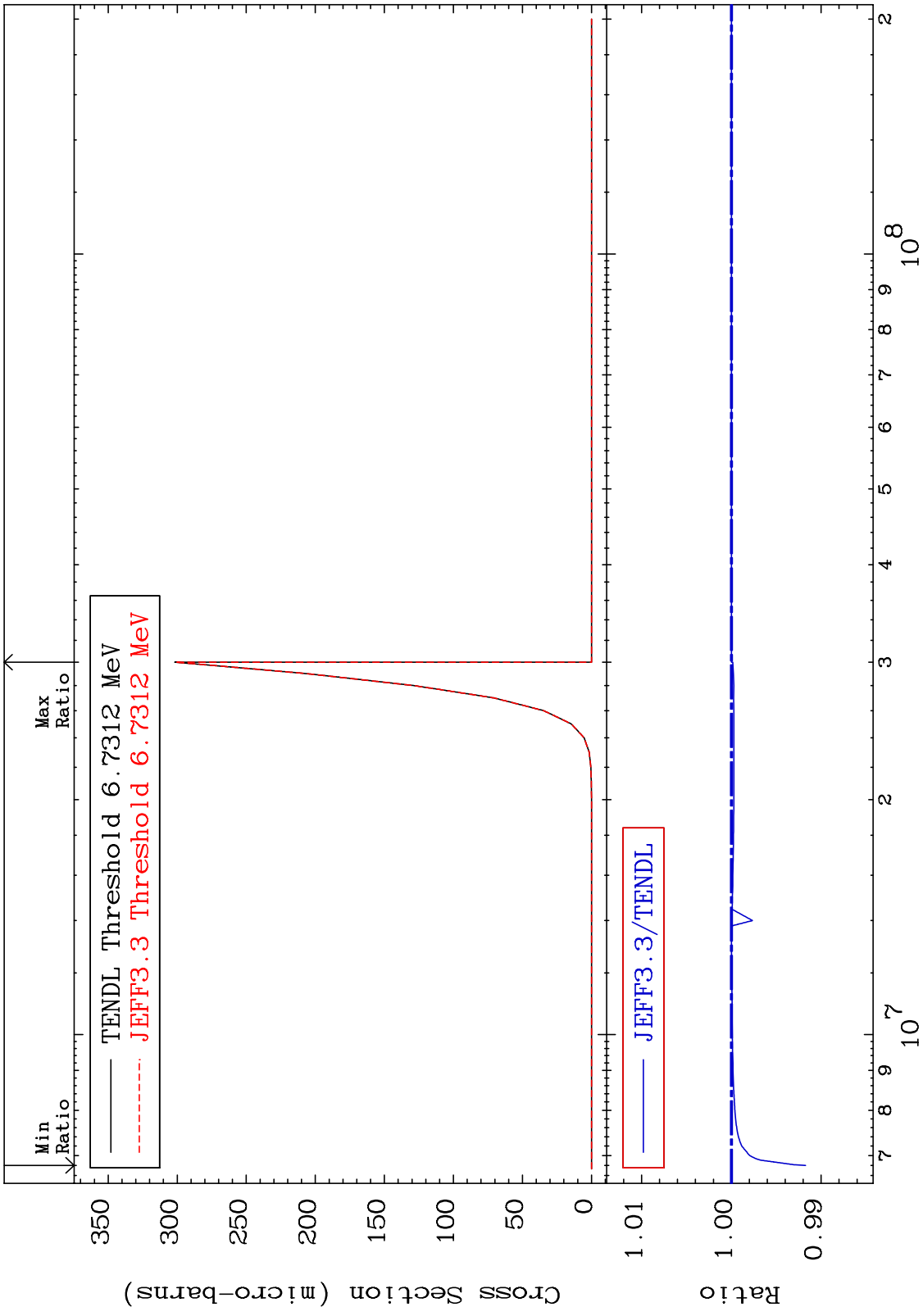


MAT 7040 (n,d) 70-Yb-173  
 Cross Section -1.339 To 0.018 %



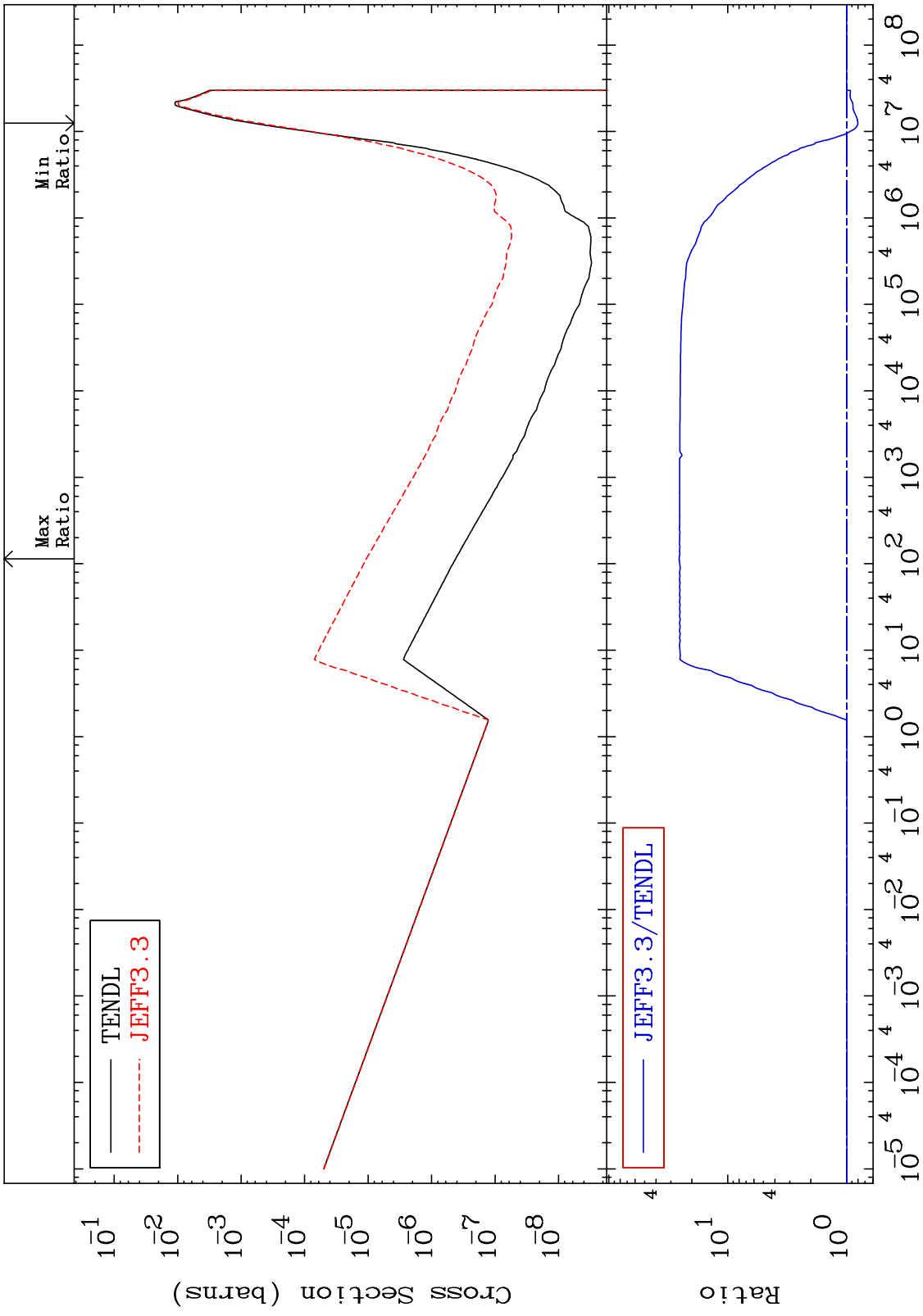


MAT 7040 (n, He-3) Cross Section 70-Yb-173 -0.826 To 0.000 %

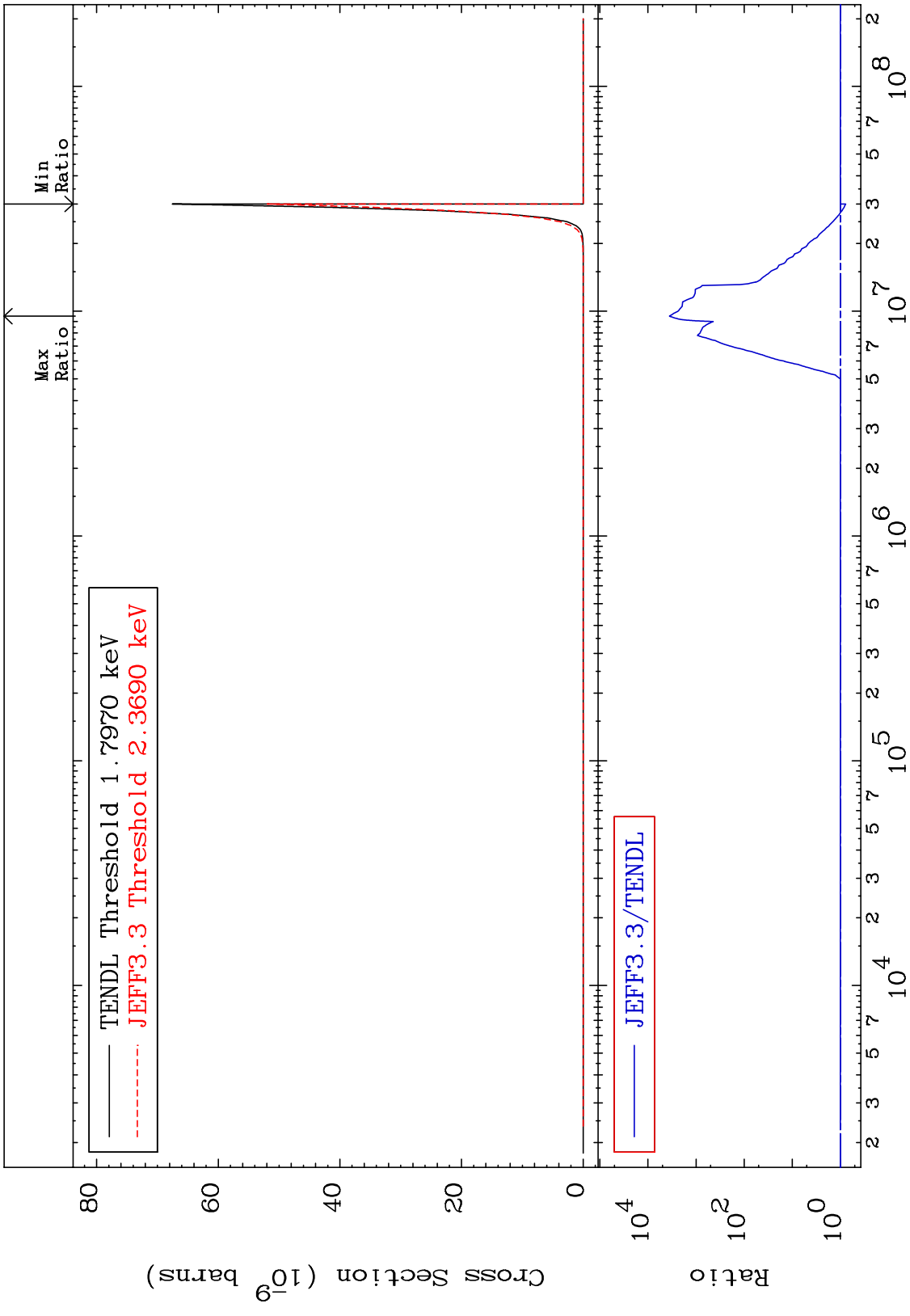




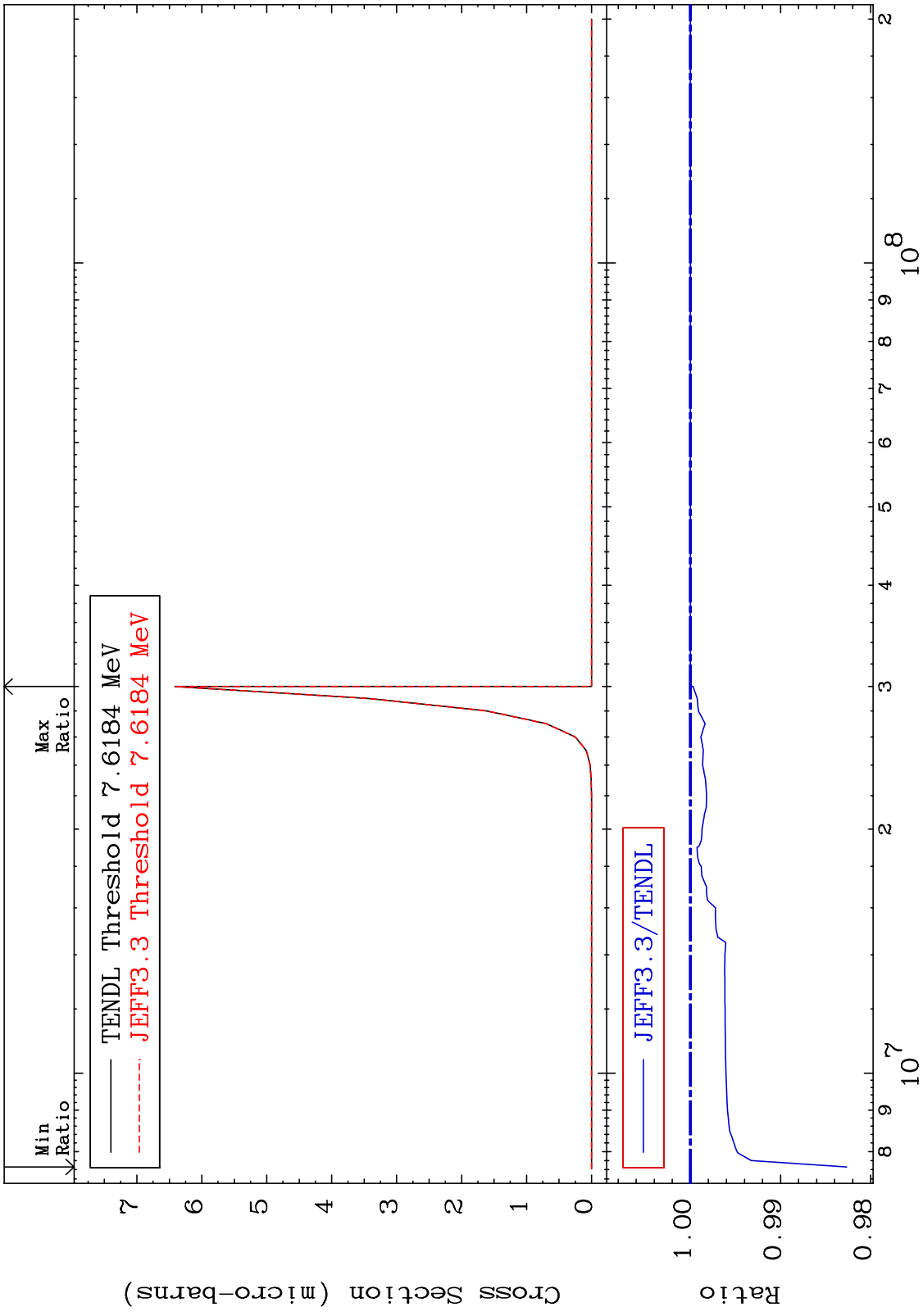
MAT 7040 70-Yb-173  
-19.65 To 2463. %  
 (n,  $\alpha$ )  
 Cross Section



MAT 7040  $(n, 2\alpha)$  Cross Section 70-Yb-173  
 -23.11 To 9999. %

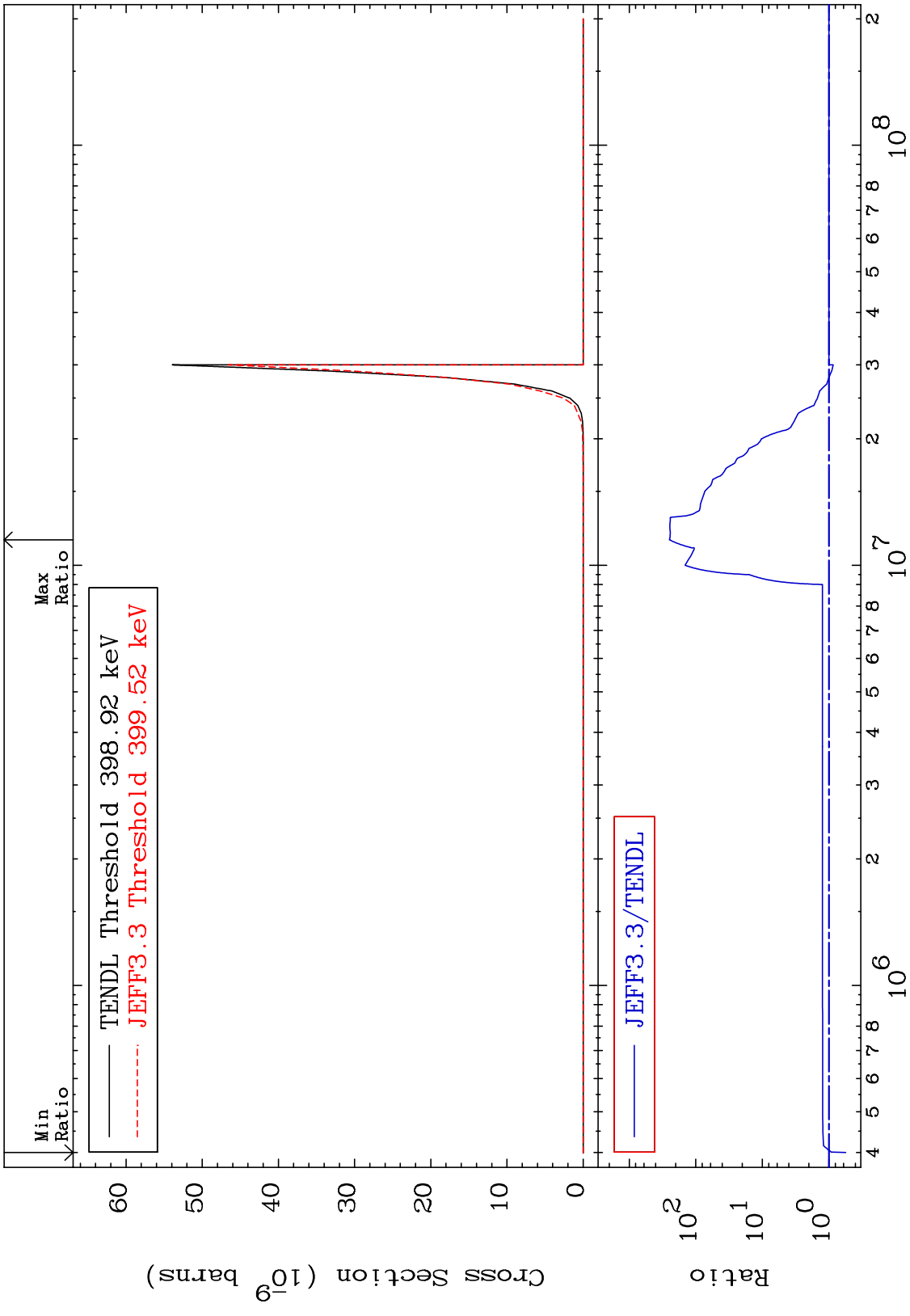


MAT 7040  $(n,2p)$   $^{70}\text{Yb-173}$   
 Cross Section  $-1.732$  To  $0.000$  %

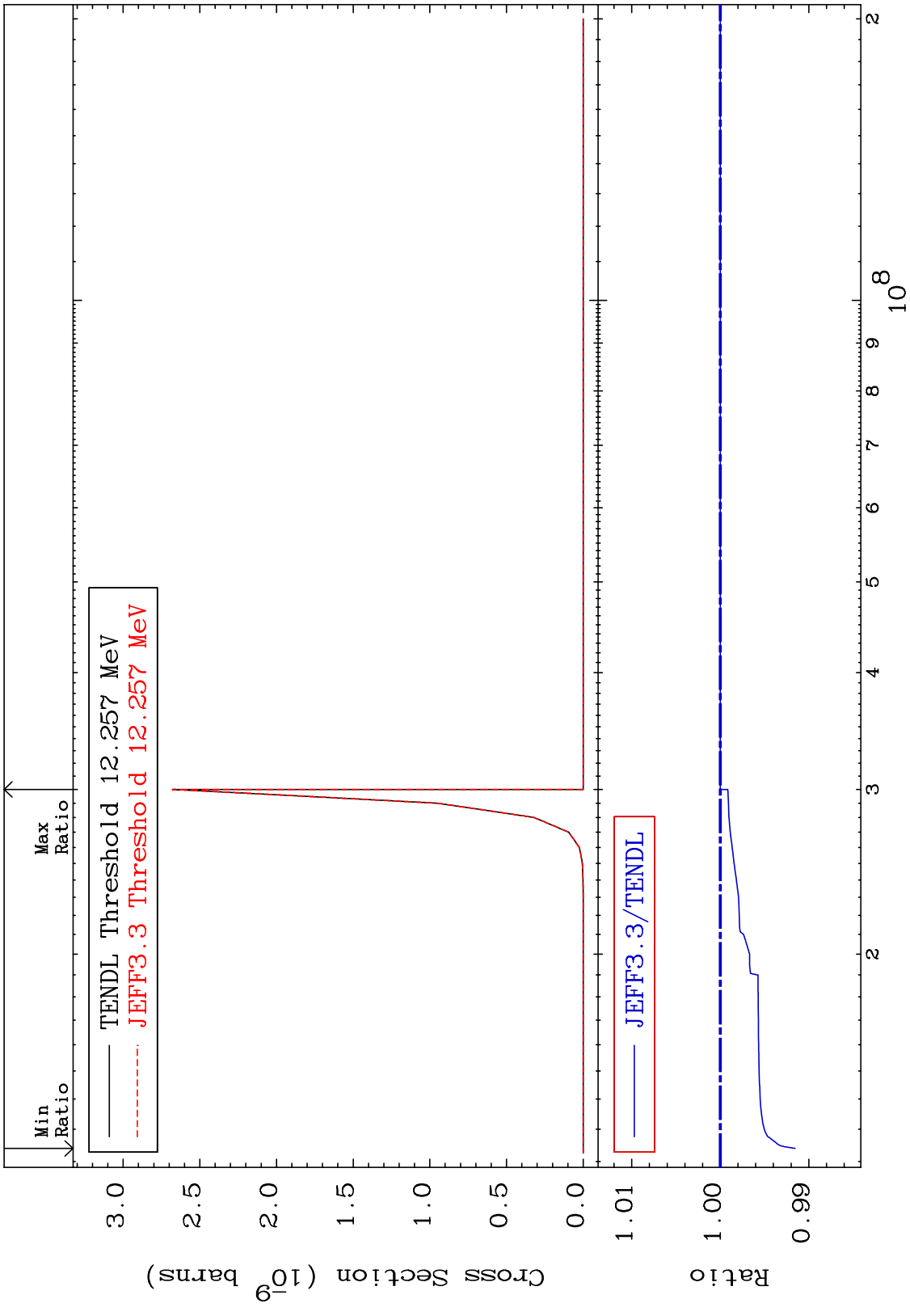


58  $^{70}\text{Yb-173}$

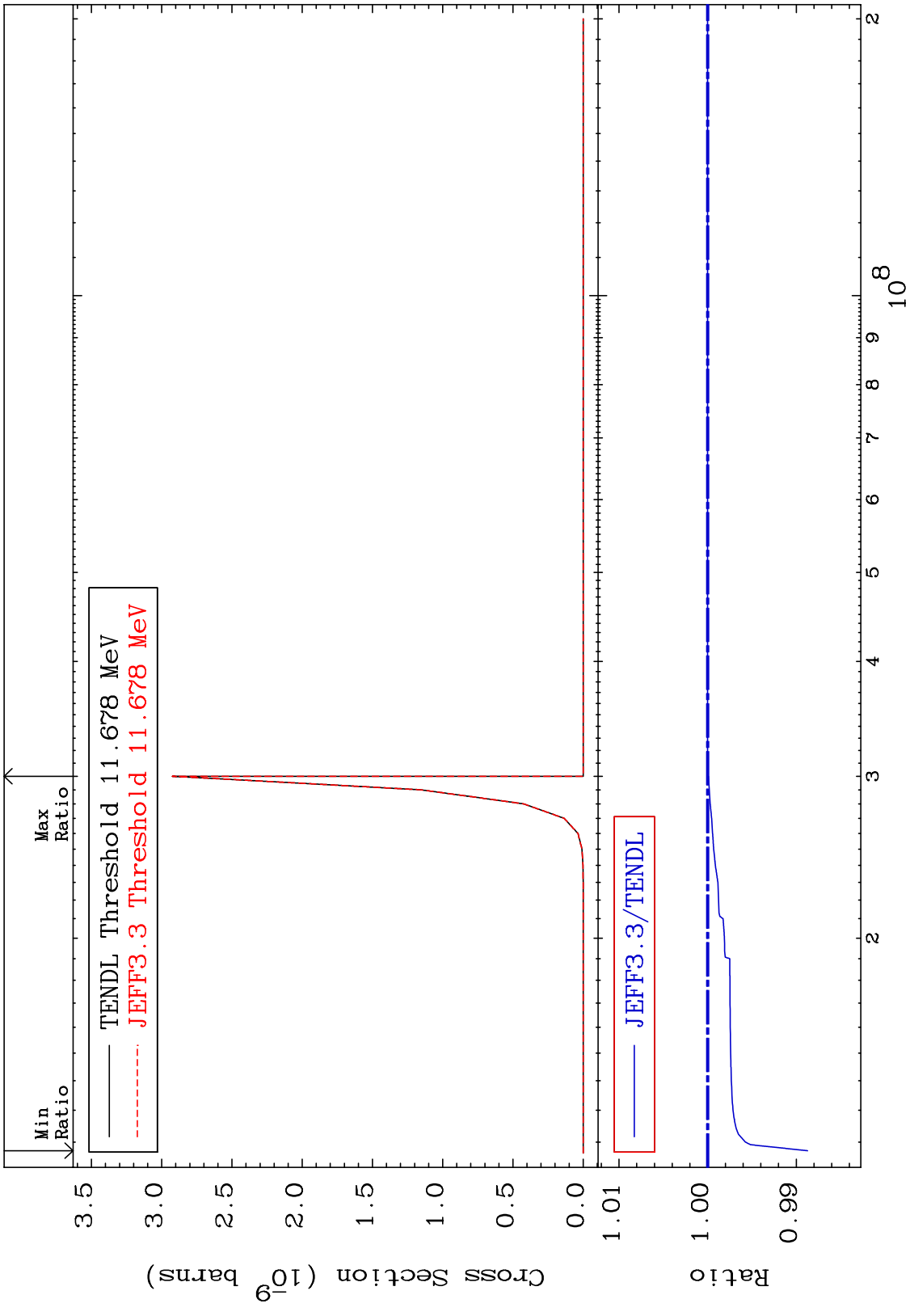
MAT 7040  $(n, p) \alpha$   $^{70}\text{Yb-173}$   
 Cross Section -44.20 To 9999. %



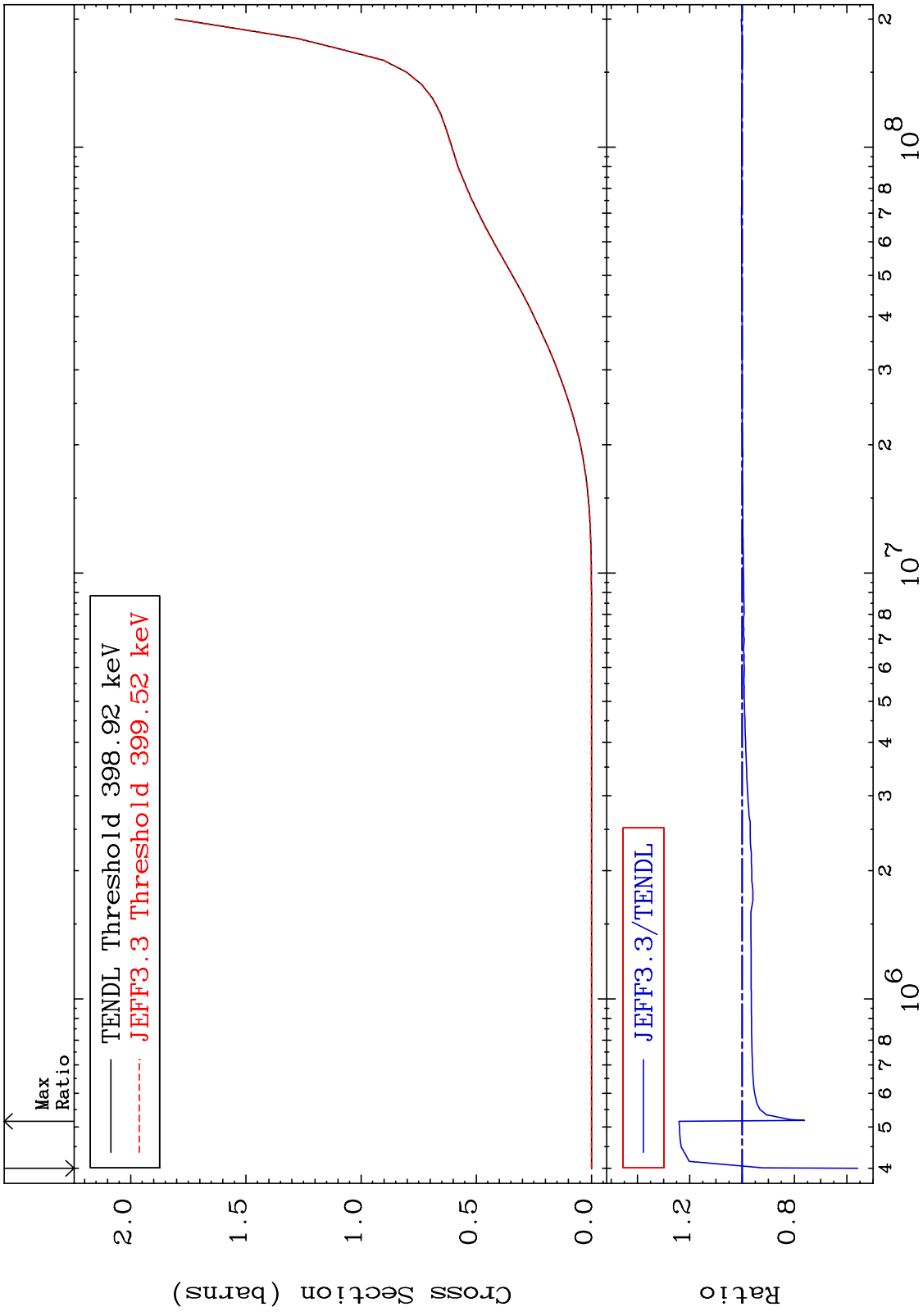
MAT 7040 (n,p) d 70-Yb-173  
 Cross Section -0.844 To 0.000 %



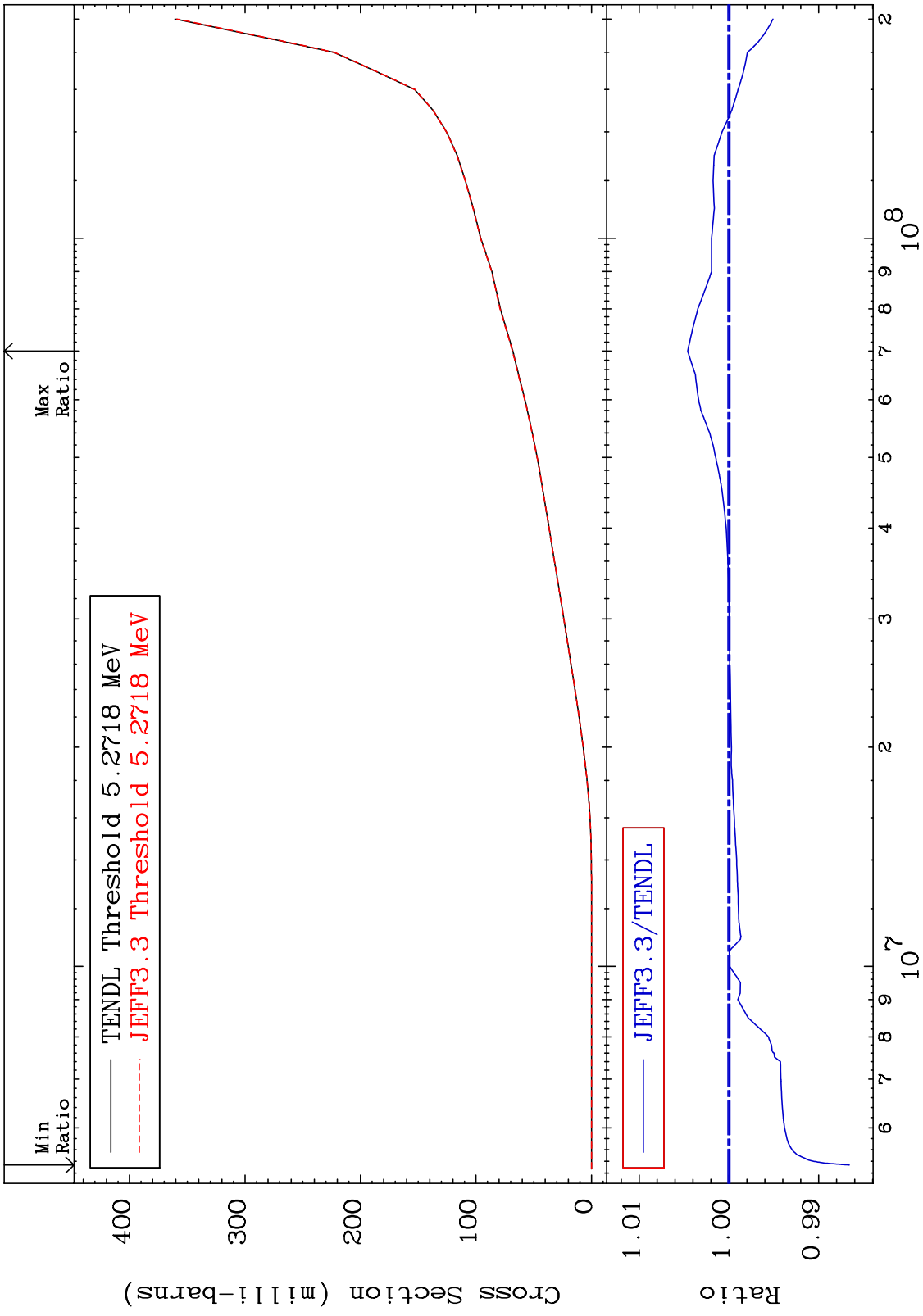
MAT 7040 (n,p) t 70-Yb-173  
 Cross Section -1.127 To 0.000 %



MAT 7040 Hydrogen Production Cross Section 70-Yb-173  
 -44.20 To 24.09 %

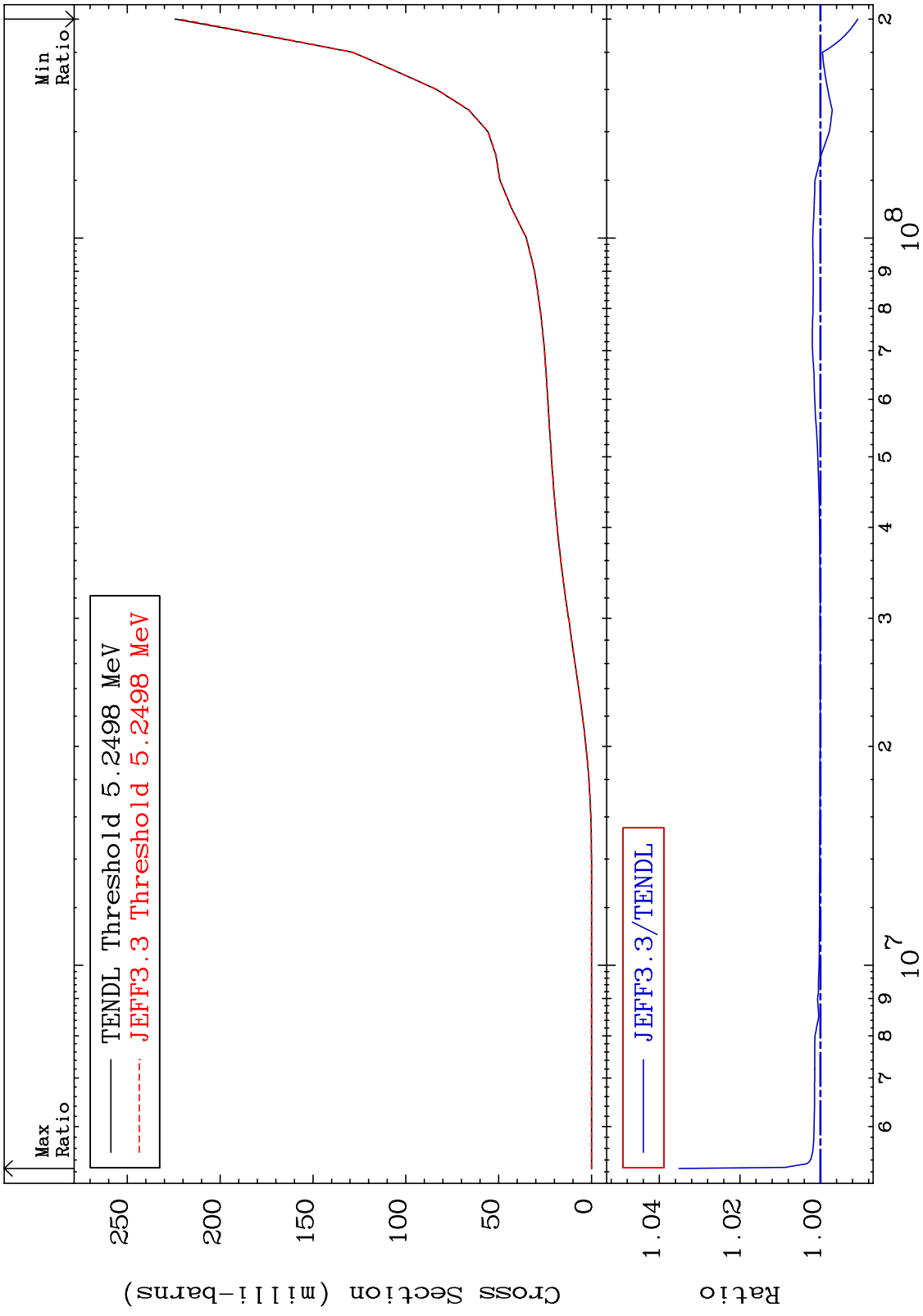


MAT 7040 Deuterium Production Cross Section 70-Yb-173  
 -1.339 To 0.460 %





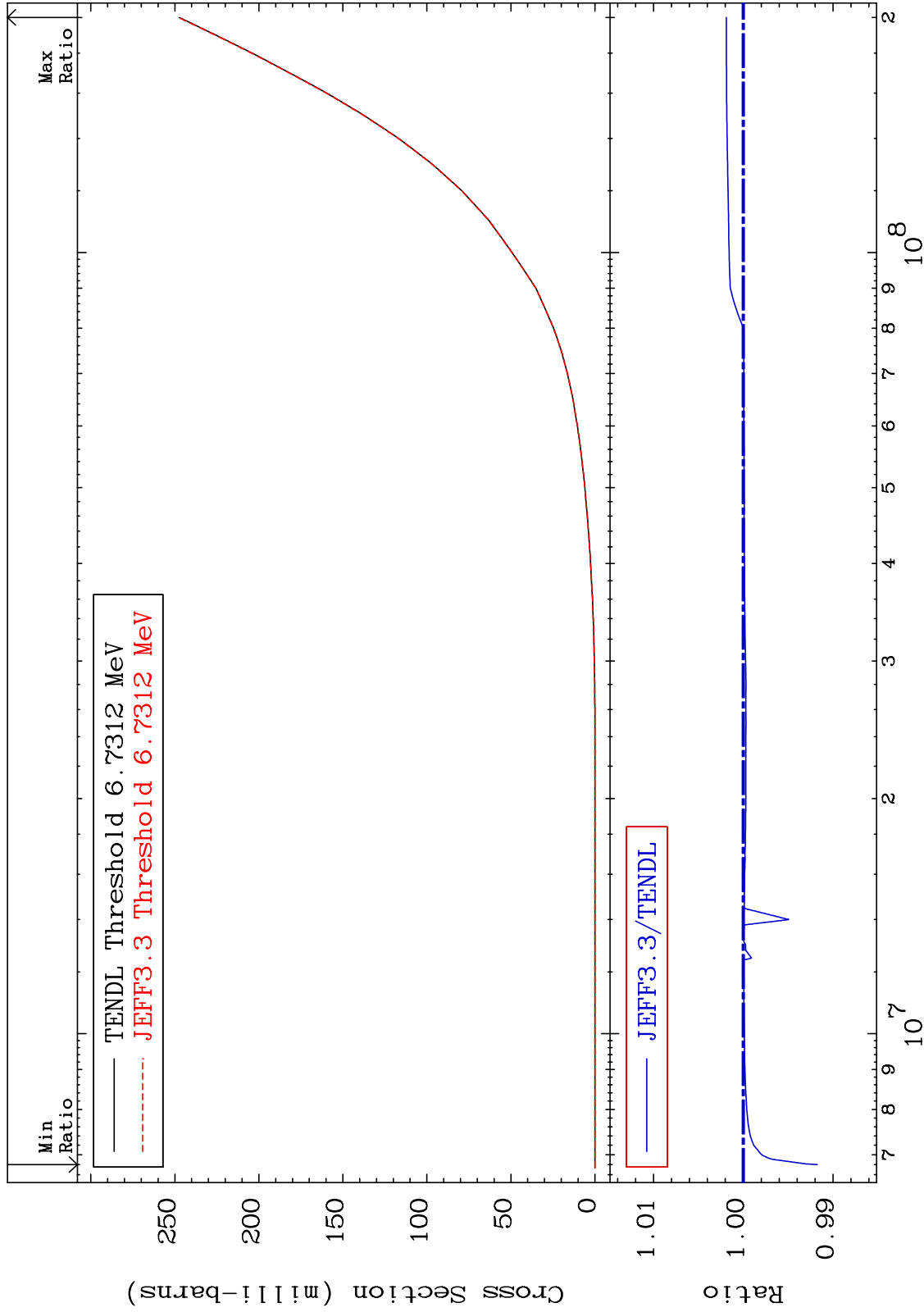
MAT 7040 Tritium Production Cross Section 70-Yb-173 -0.931 To 3.512 %



MAT 7040

He-3 Production  
Cross Section

70-Yb-173  
-0.826 To 0.189 %

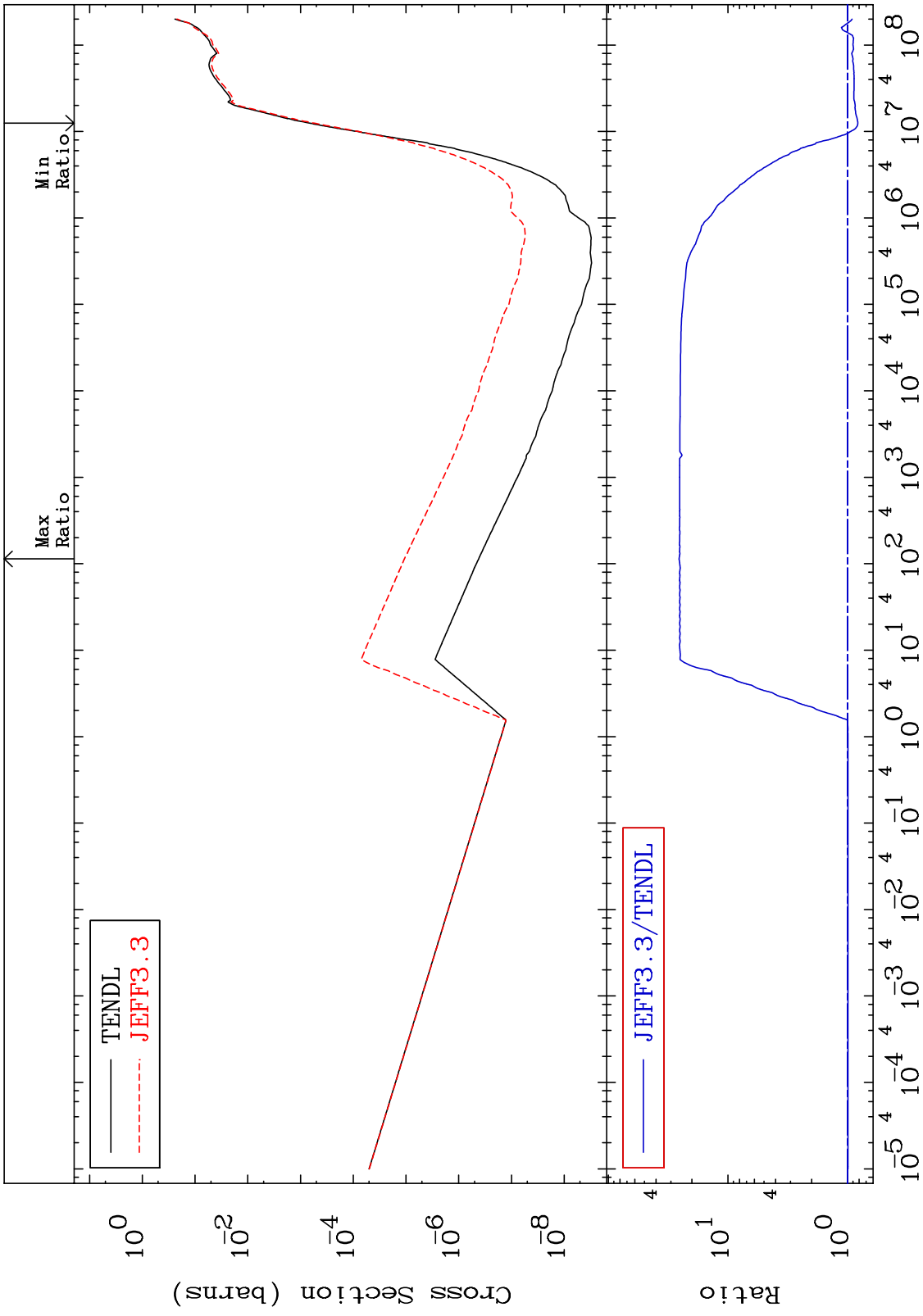


65

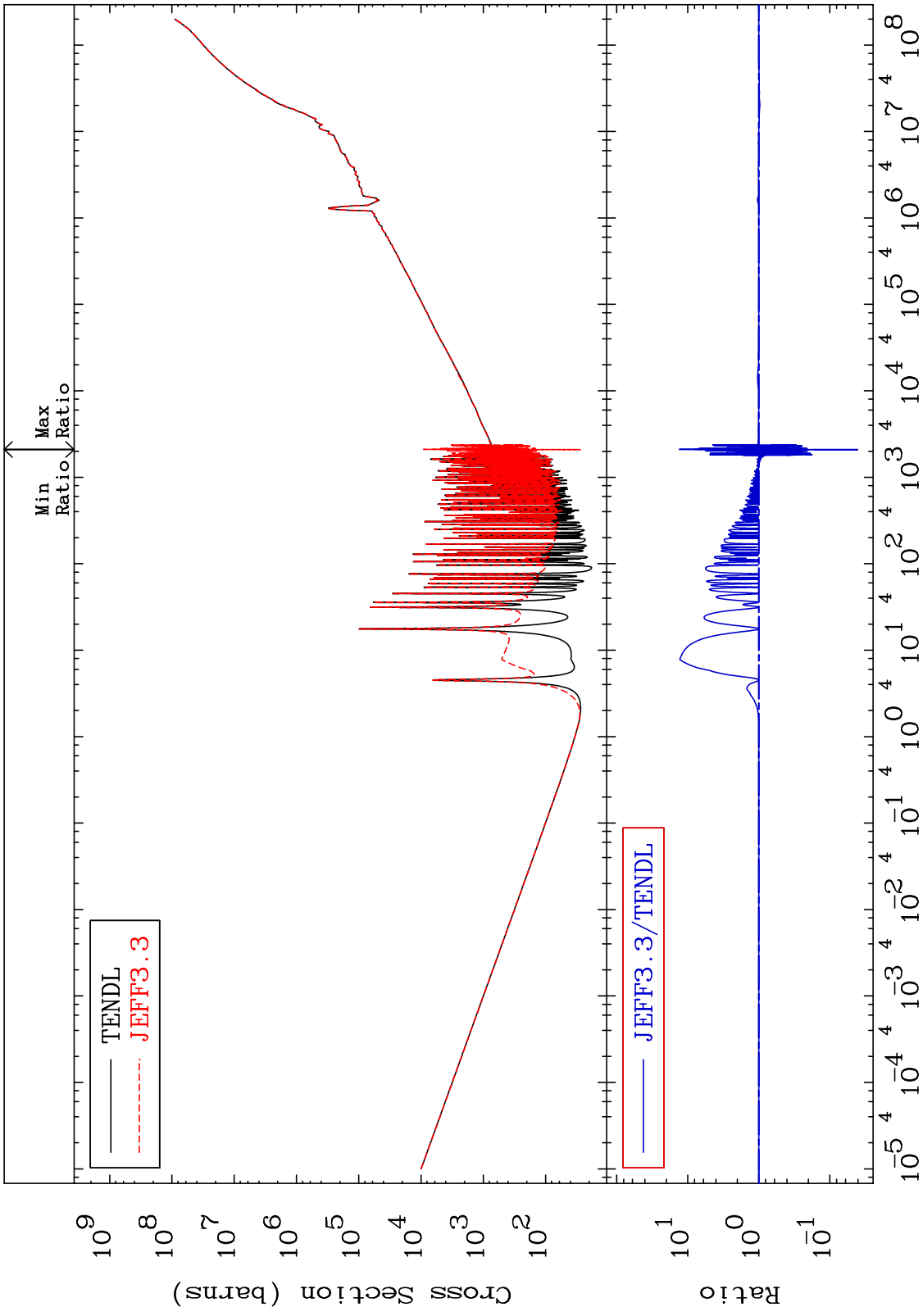
Incident Energy (eV)

70-Yb-173

MAT 7040 He-4 Production Cross Section 70-Yb-173  
 -17.92 To 2463. %



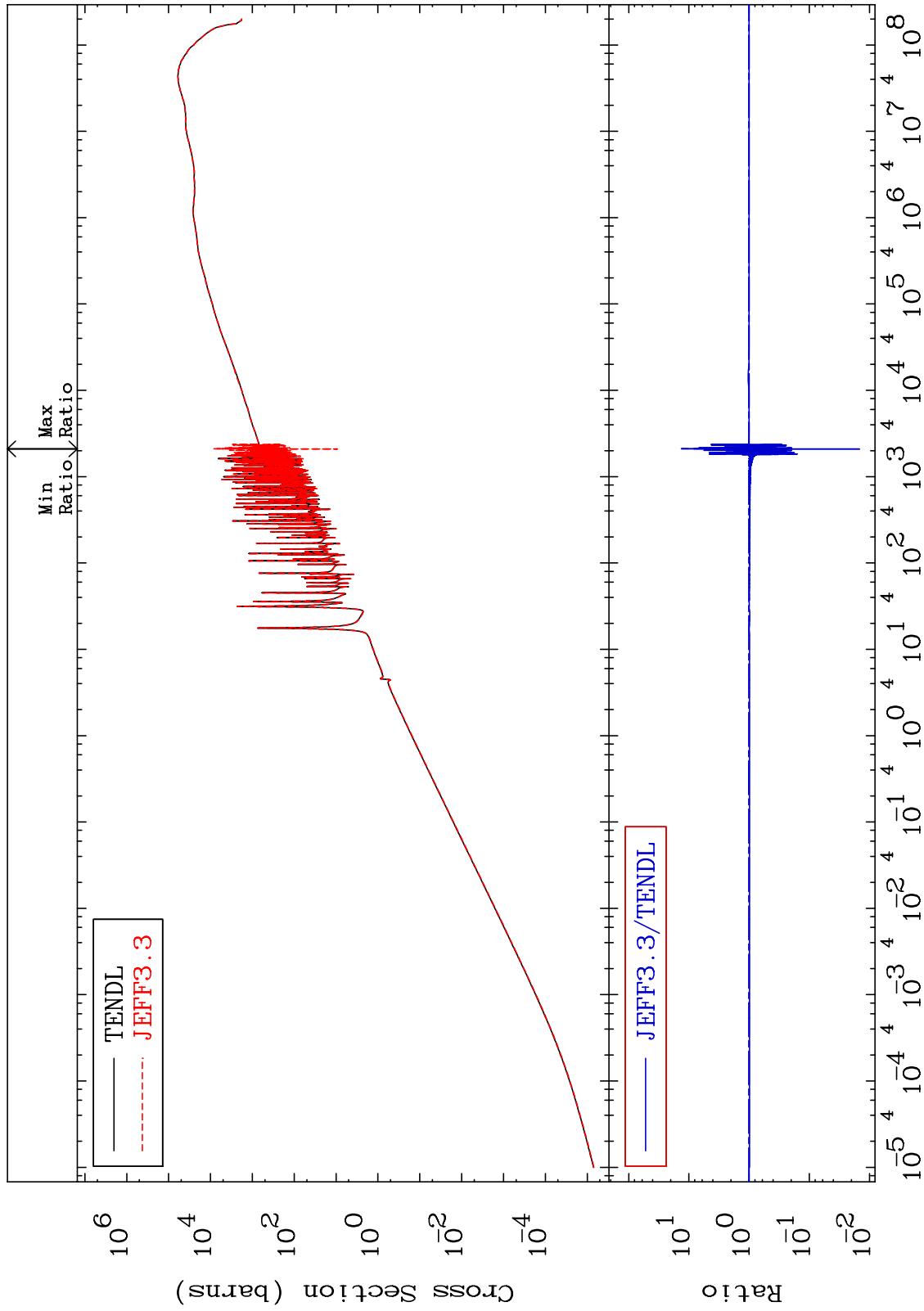
MAT 7040 Kerma total (eV-barns) 70-Yb-173  
 Cross Section -95.98 To 1225. %



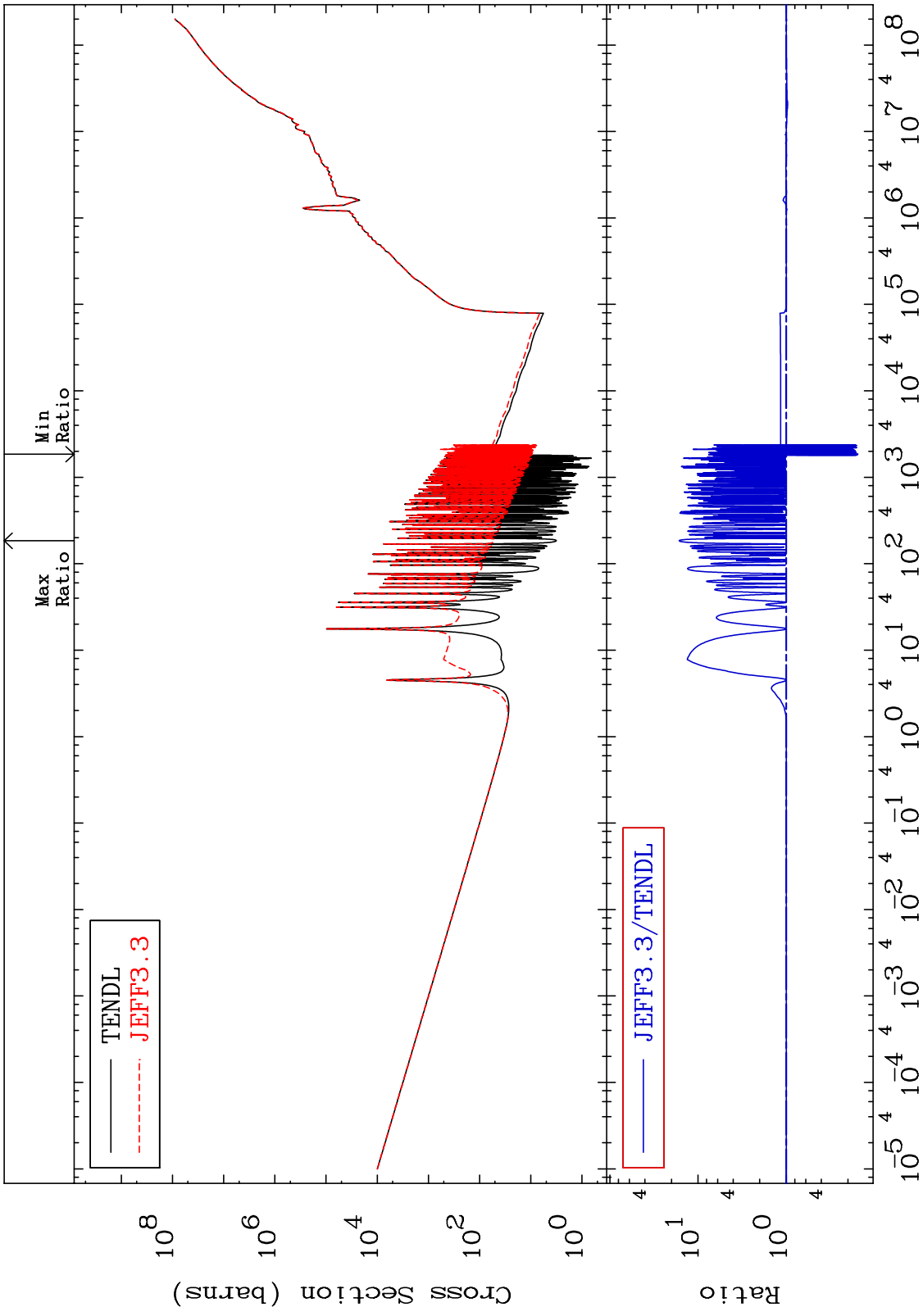
MAT 7040

Kerma elastic  
Cross Section

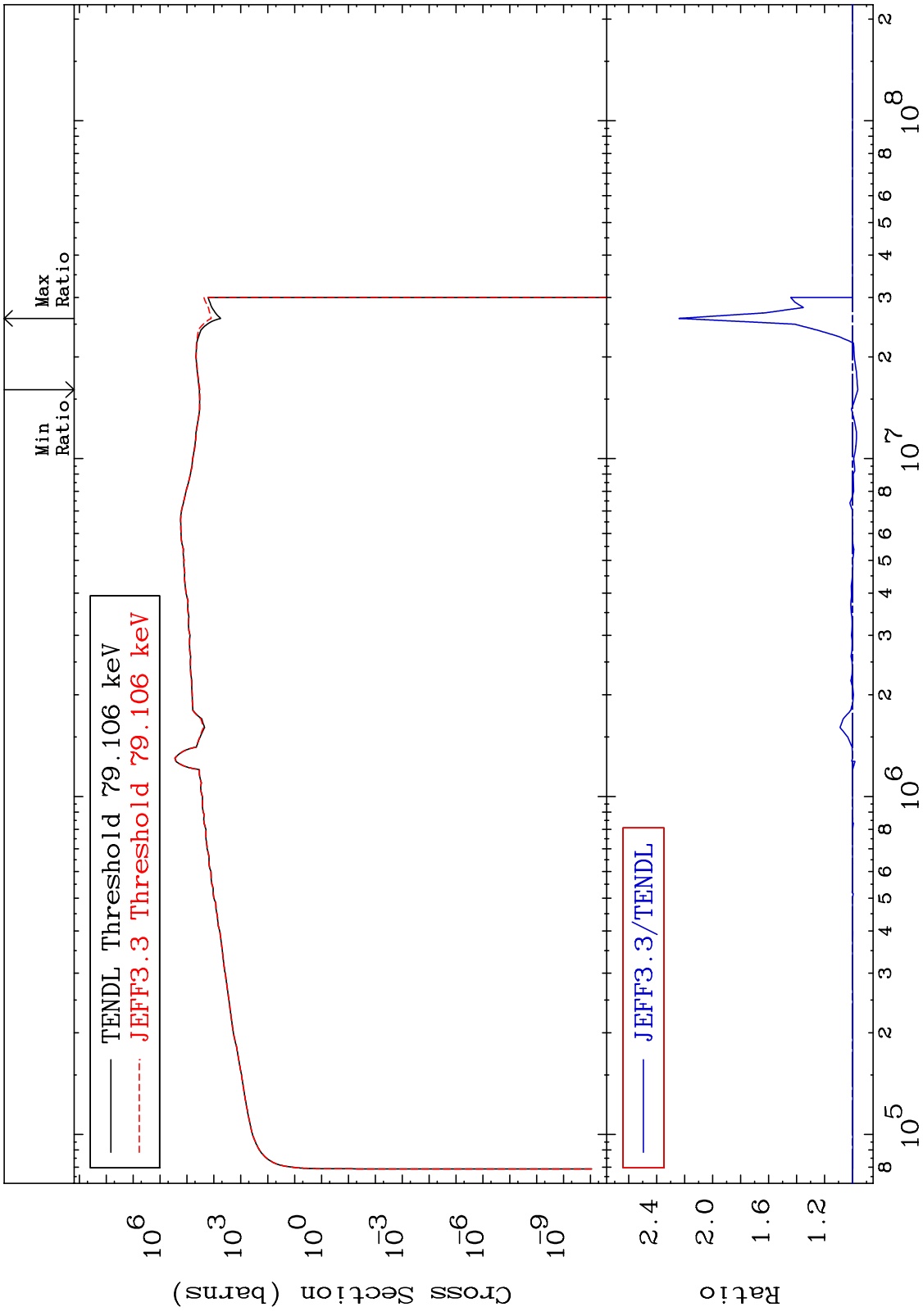
70-Yb-173  
-98.55 To 1239. %



MAT 7040 Kerma non-elastic (all but mt2) 70-Yb-173  
 -84.57 To 1541. %  
 Cross Section



MAT 7040 Kerma inelastic (mt51-91) 70-Yb-173  
 Cross Section -3.770 To 124.0 %

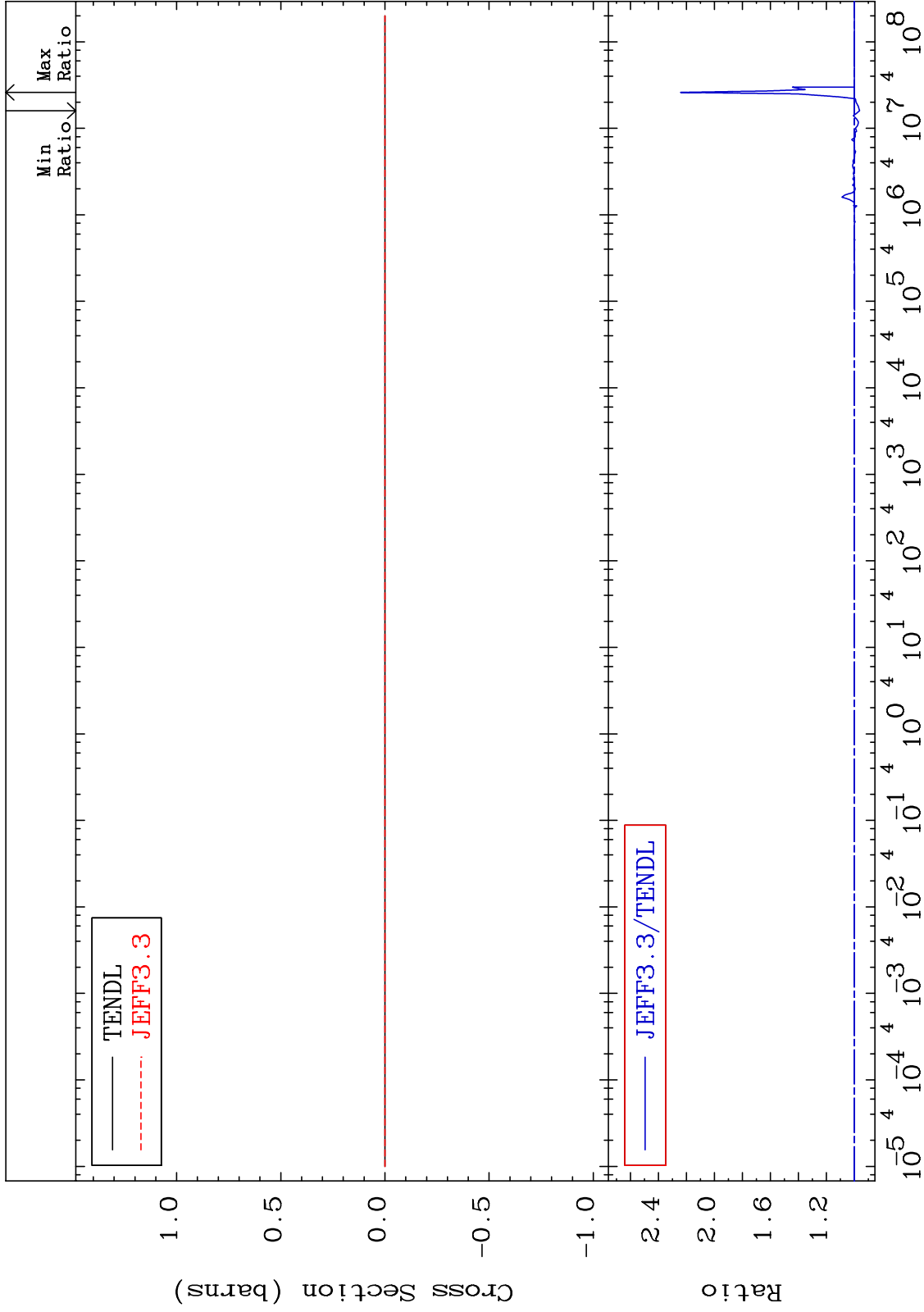


70 70-Yb-173

MAT 7040

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

70-Yb-173  
-3.770 To 124.0 %



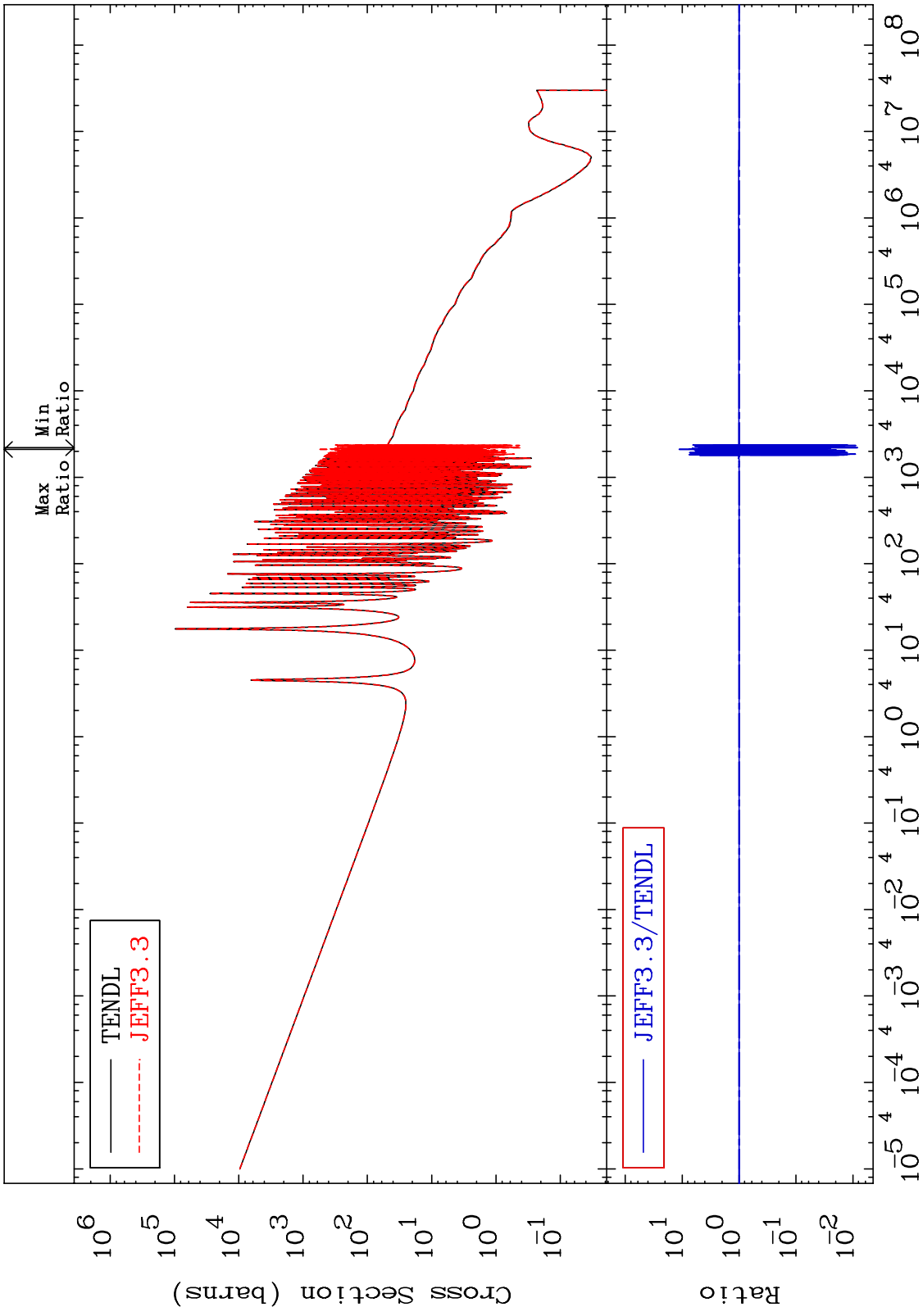
71

Incident Energy (eV)

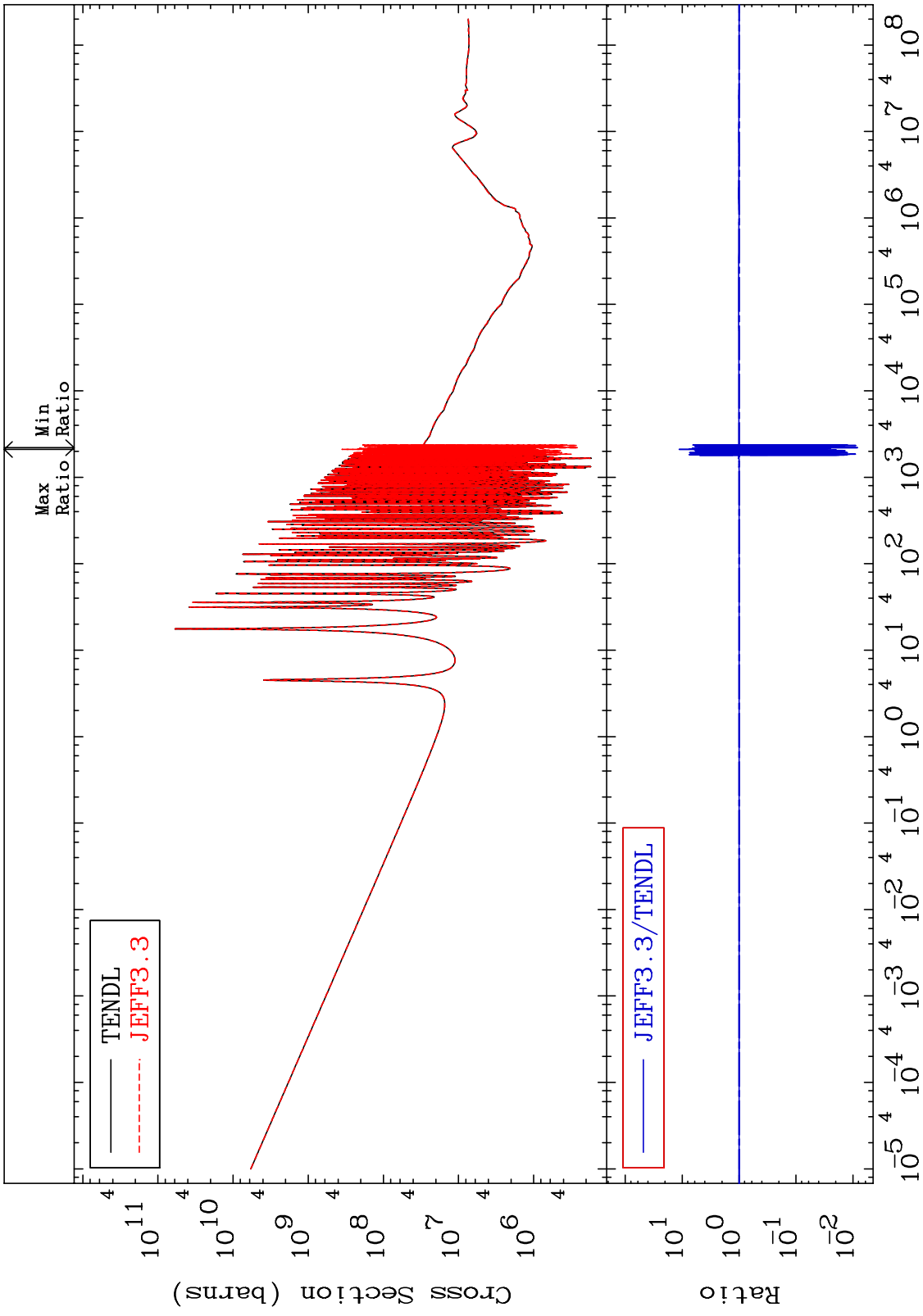
70-Yb-173



MAT 7040 Kerma capture (mt102) 70-Yb-173  
 Cross Section -99.18 To 1036. %

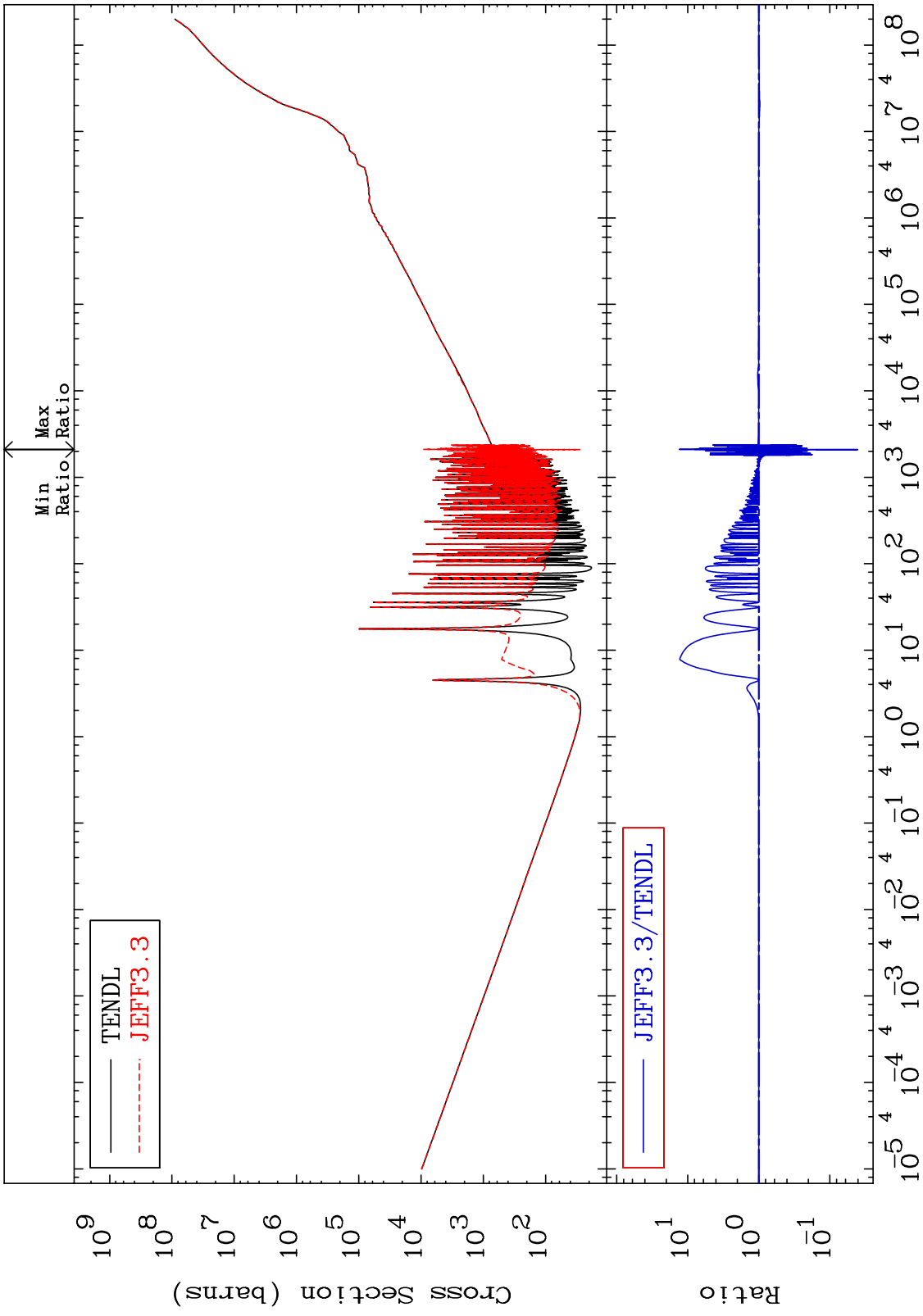


MAT 7040 Total photon (eV-barns) Cross Section 70-Yb-173 -99.18 To 1036. %

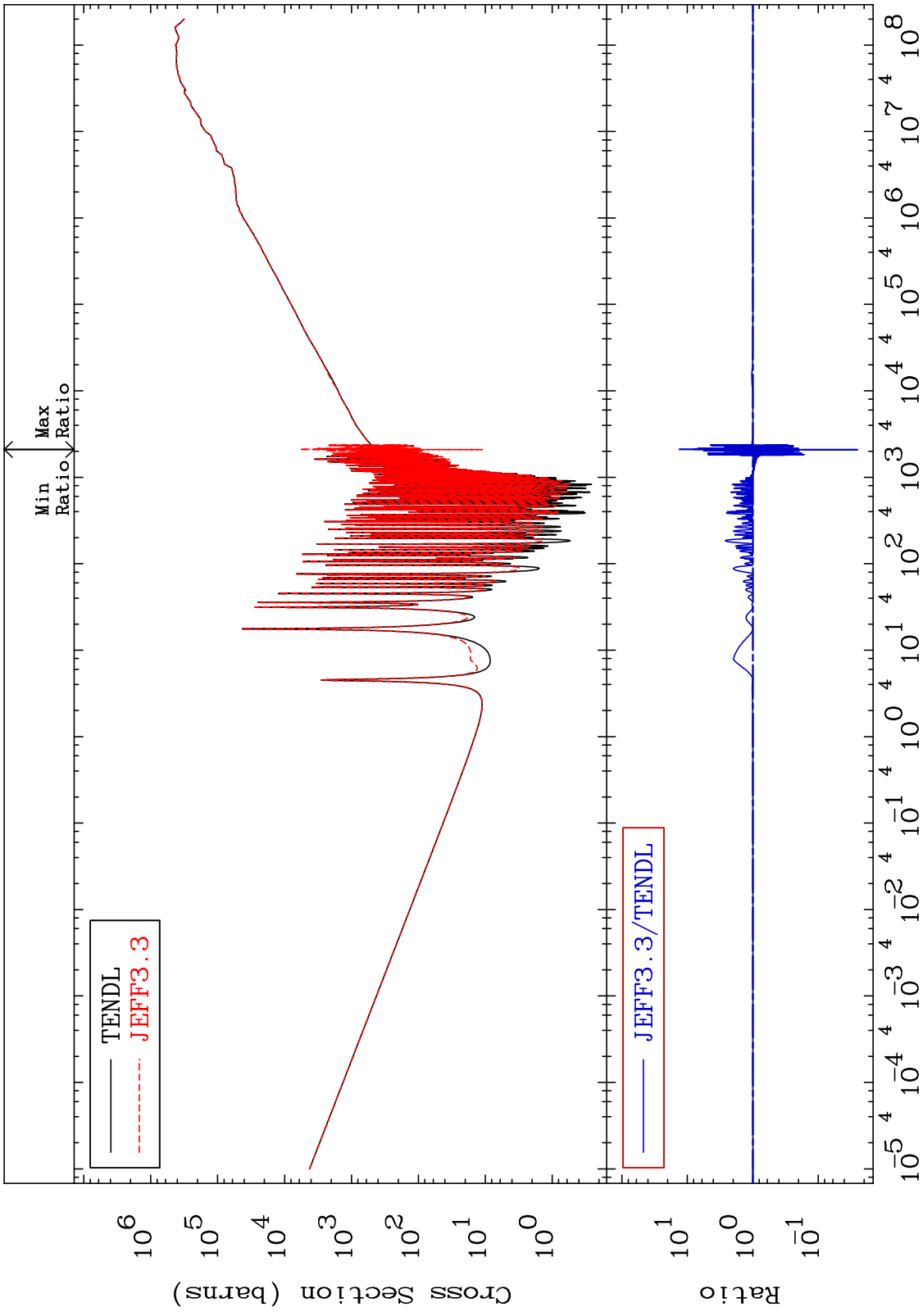


73 70-Yb-173

MAT 7040 Total kinematic kerma (high limit) 70-Yb-173  
 Cross Section -95.97 To 1225. %

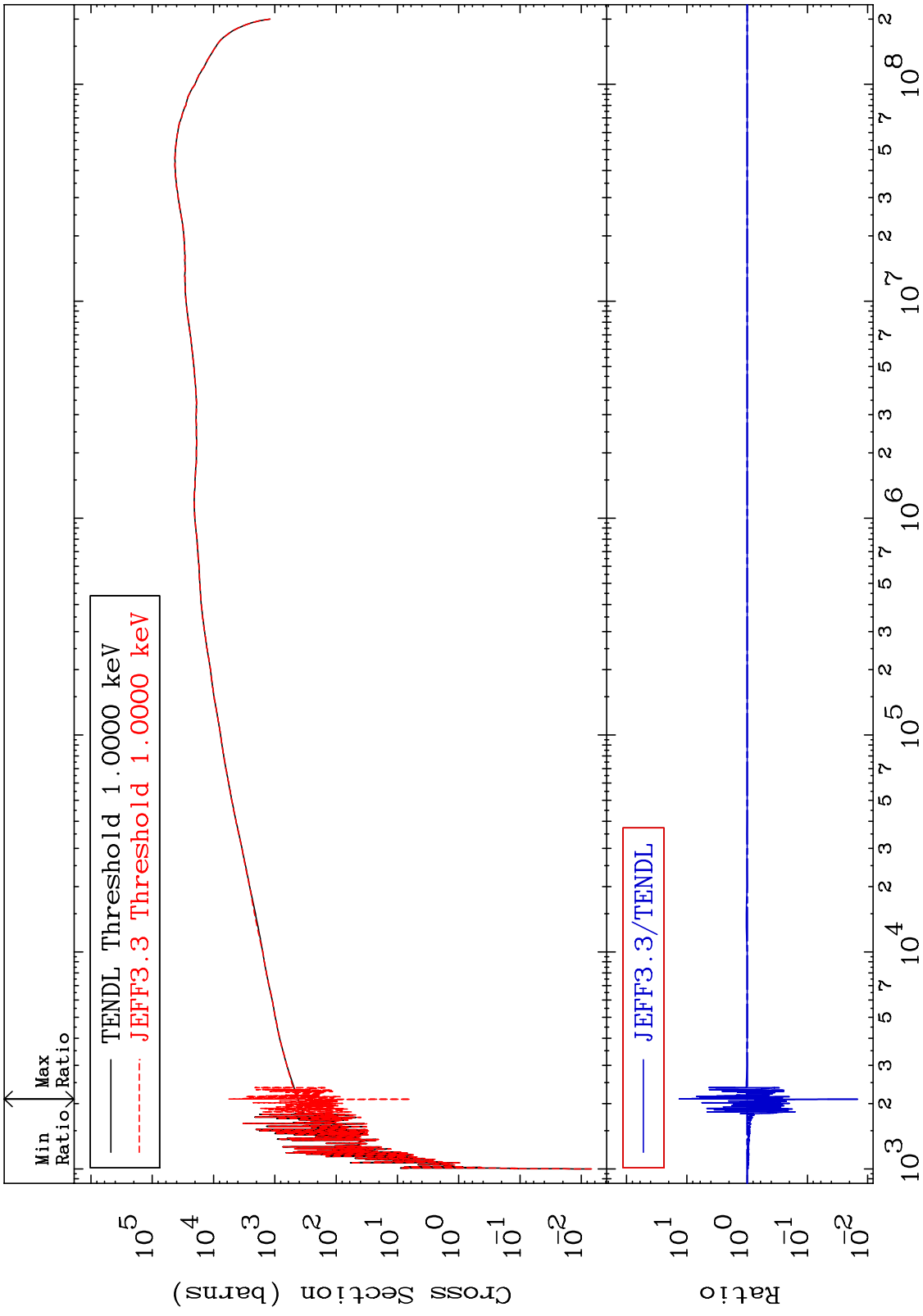


MAT 7040      Dpa total (eV-barns)      70-Yb-173  
Cross Section      -97.51 To 1237. %



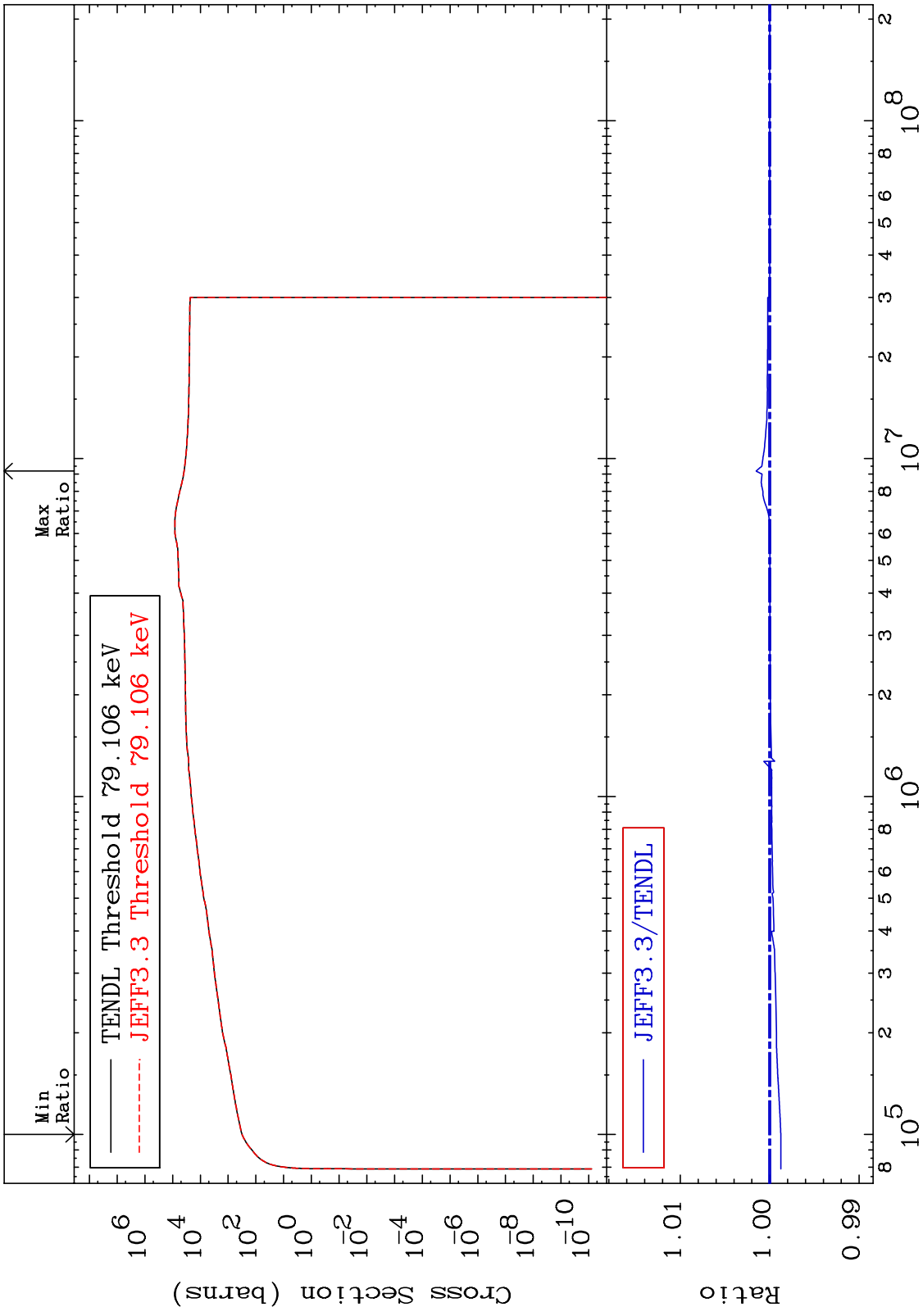
75      Incident Energy (eV)      70-Yb-173

MAT 7040 70-Yb-173  
Dpa elastic (mt2) -98.54 To 1248. %  
Cross Section



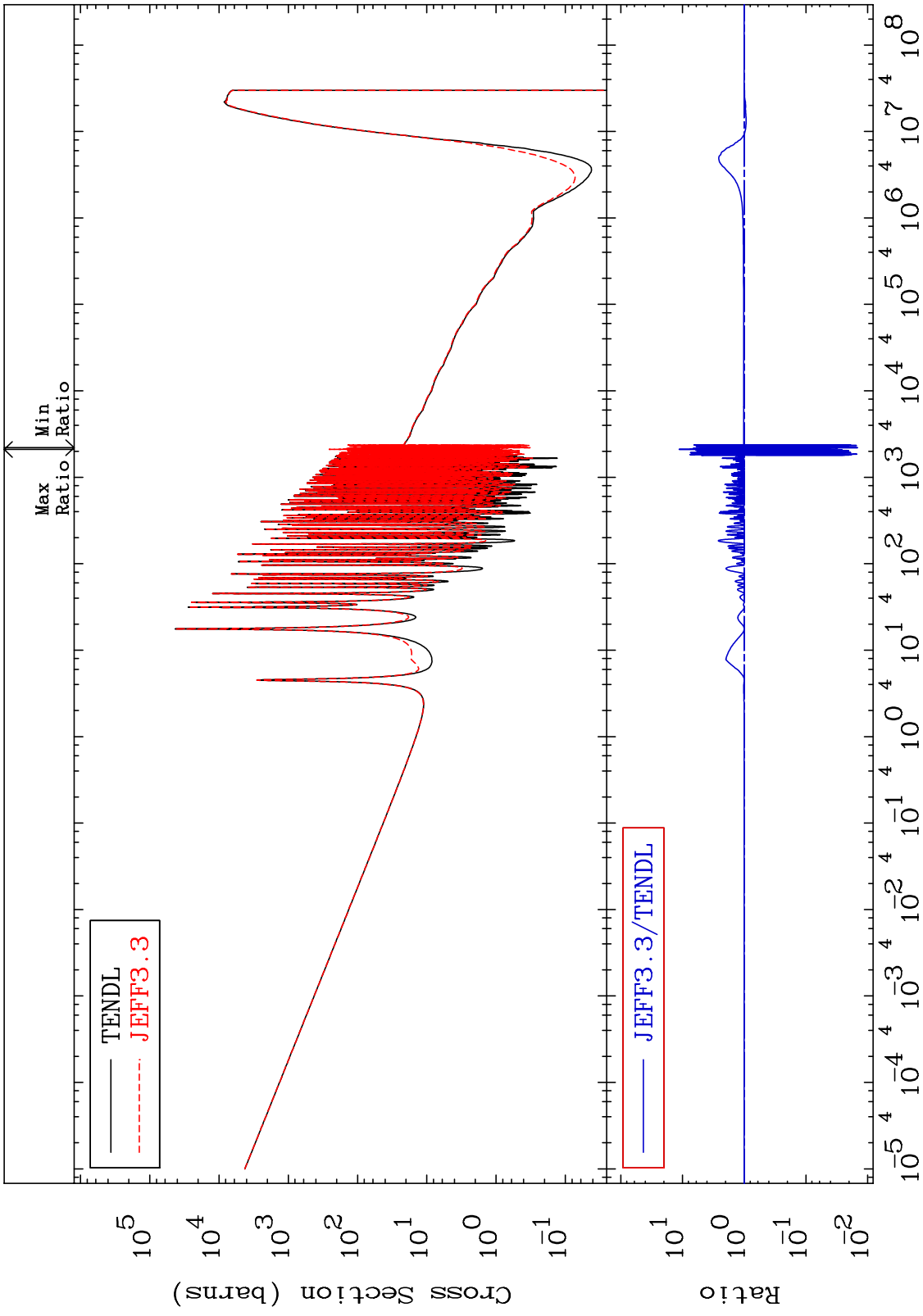
76 70-Yb-173

MAT 7040      Dpa inelastic (mt51-91)      70-Yb-173  
 Cross Section      -0.124 To 0.153 %

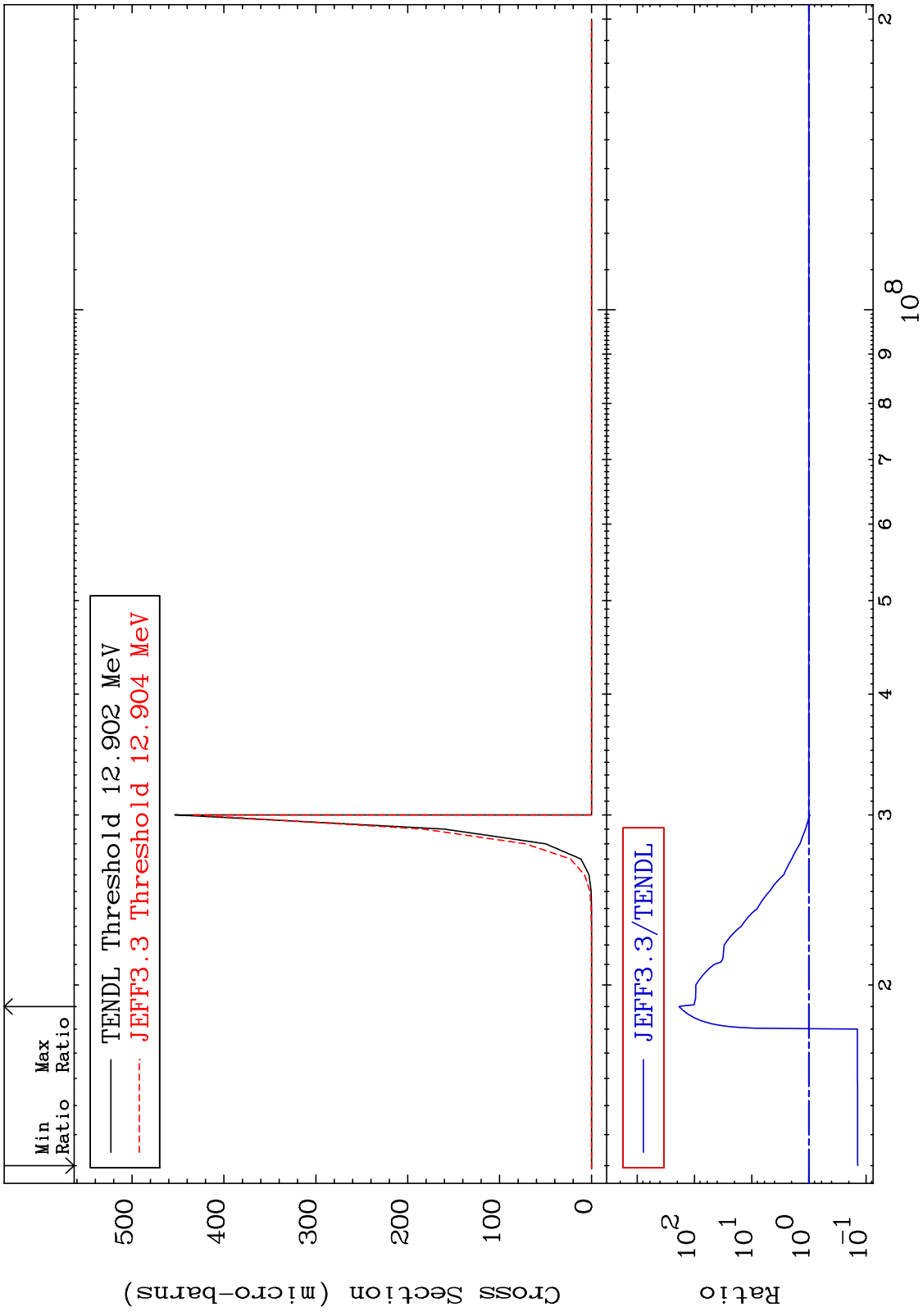


77      Incident Energy (eV)      70-Yb-173

MAT 7040      Dpa disappearance (mt102 -120)      70-Yb-173  
 Cross Section      -98.56 To 1036. %

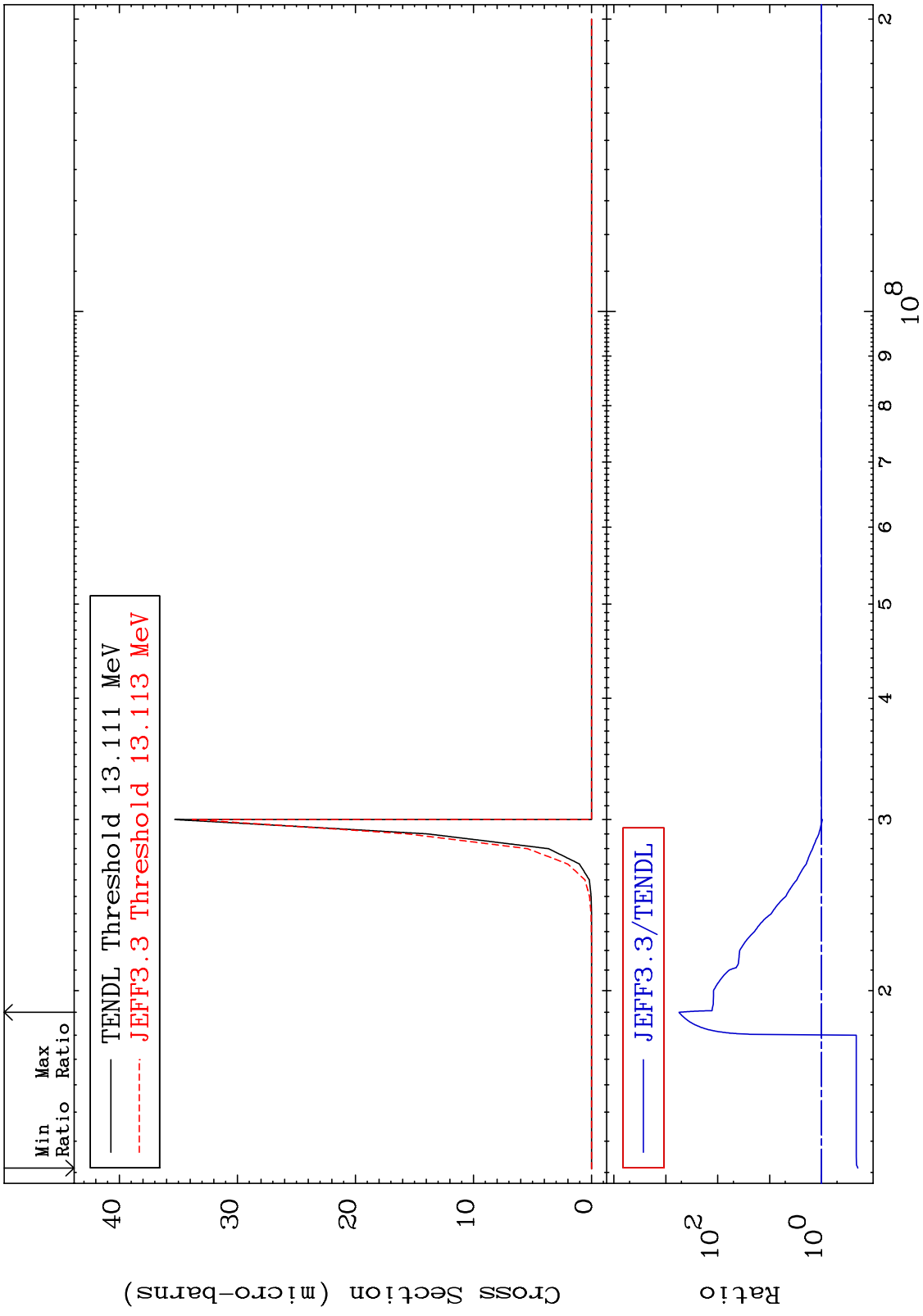


MAT 7040 (n,3n)  $\alpha$ :68-Er-167g 70-Yb-173  
 Radionuclide Production Cross Section -86.07 To 9999. %

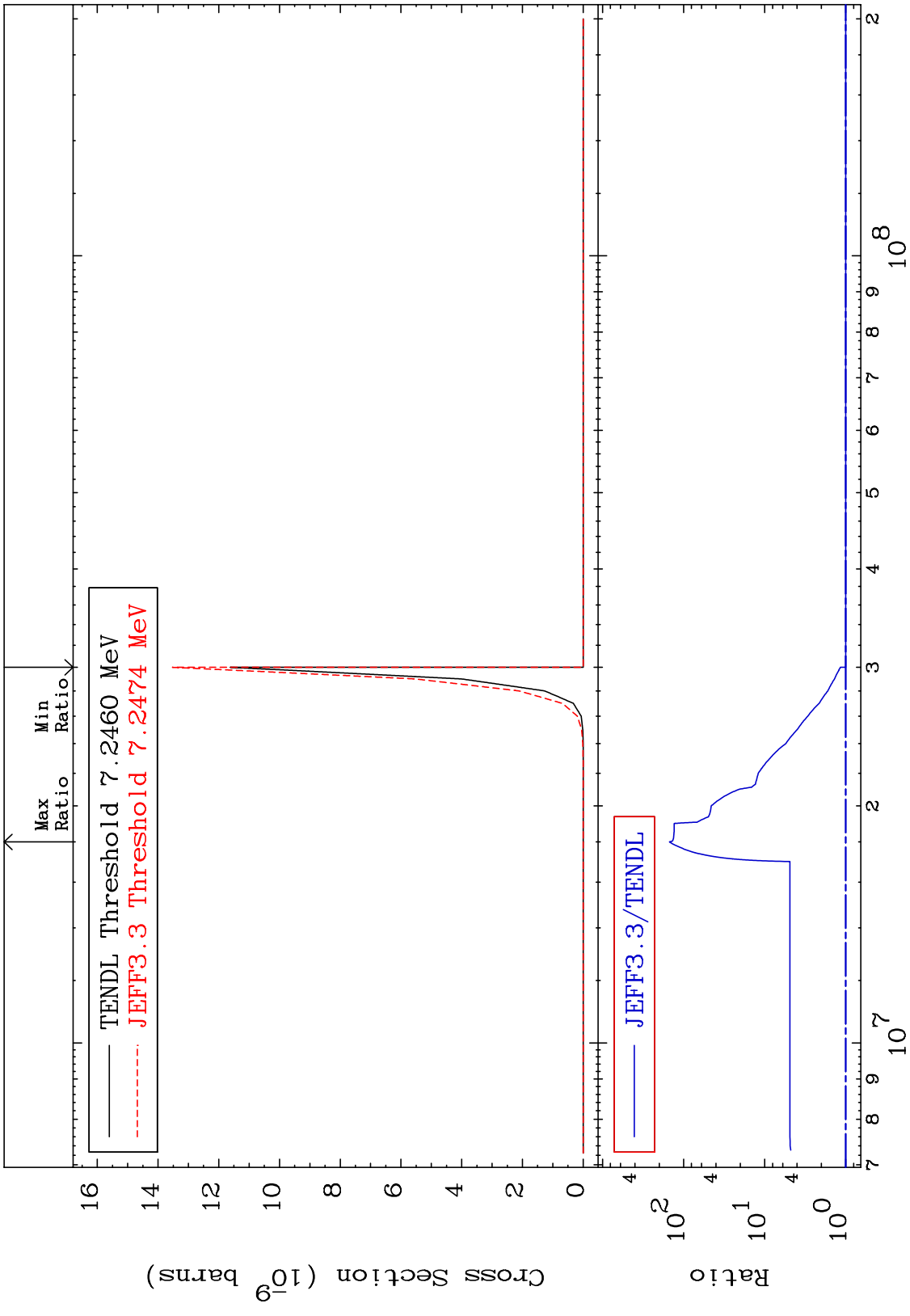




MAT 7040 (n,3n)  $\alpha$ : 68-Er-167m3 70-Yb-173  
 Radionuclide Production Cross Section -80.05 To 9999. %



MAT 7040 (n,n') p α:67-Ho-168g 70-Yb-173  
 Radionuclide Production Cross Section 0.000 To 9999. %



MAT 7040 (n, n') p  $\alpha$ :67-Ho-168m1 70-Yb-173  
 Radionuclide Production Cross Section 0.000 To 9999. %

