

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

MAT 8031

Total

80-Hg-198

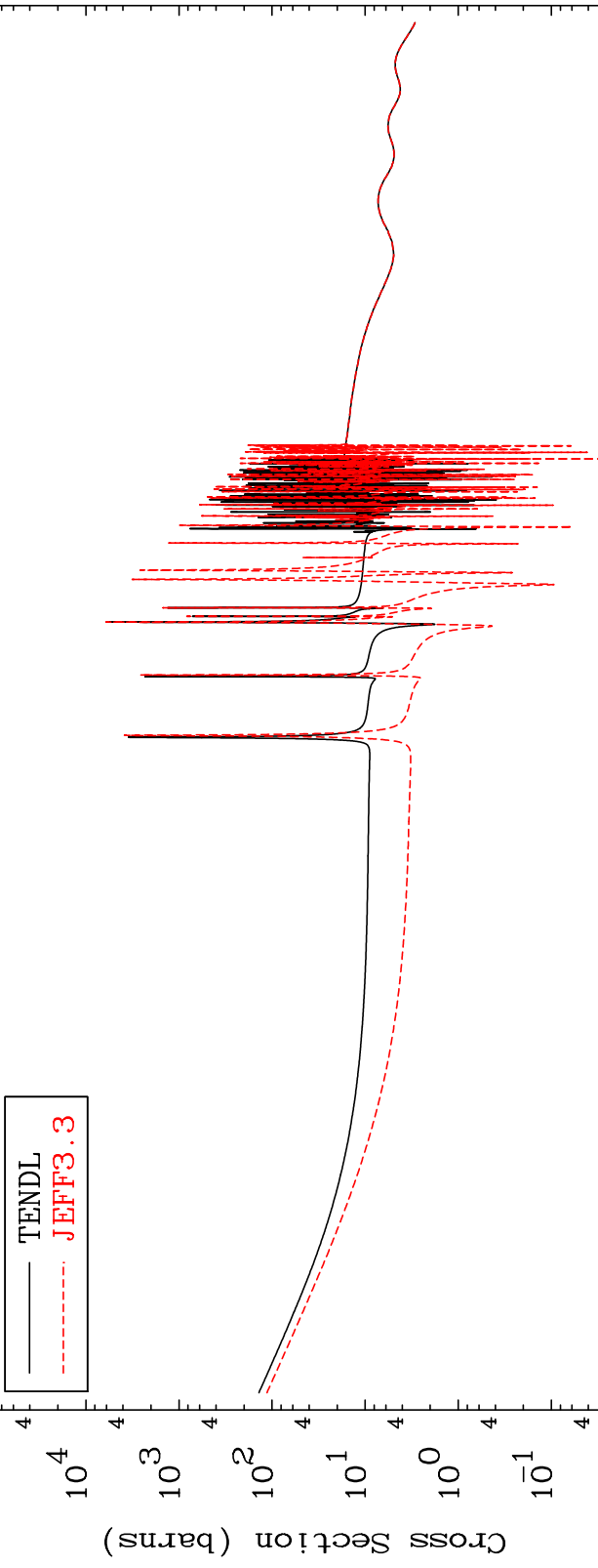
-99.94 To 9999. %

Cross Section

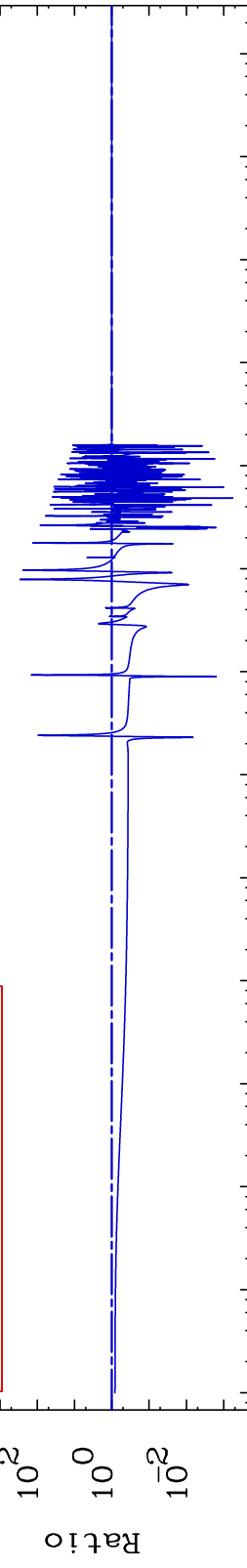
Max Ratio

Min Ratio

TENDL  
JEFF3.3



JEFF3.3/TENDL



Incident Energy (eV)

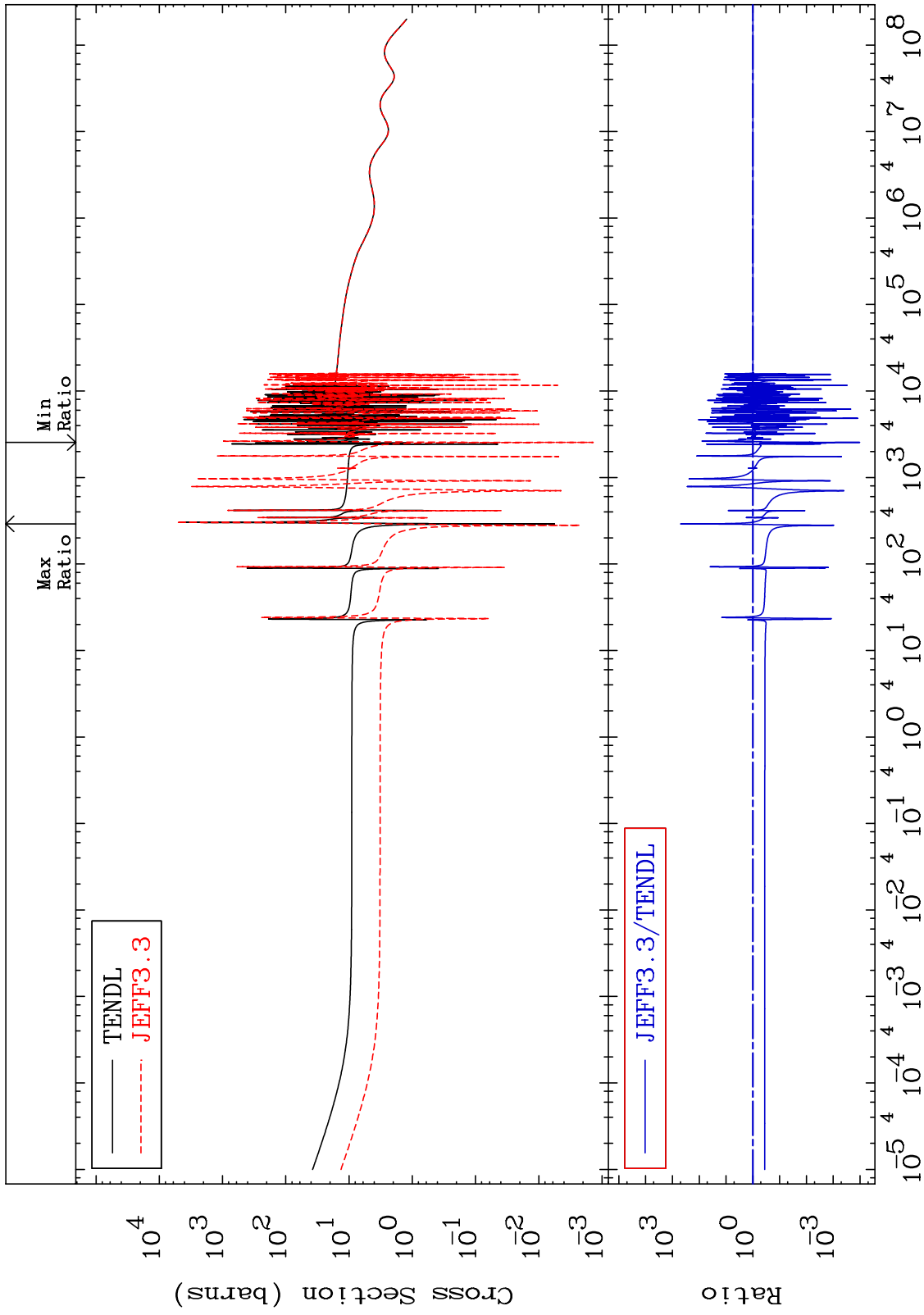
80-Hg-198

1

MAT 8031

Elastic  
Cross Section

80-Hg-198  
-99.99 To 9999. %

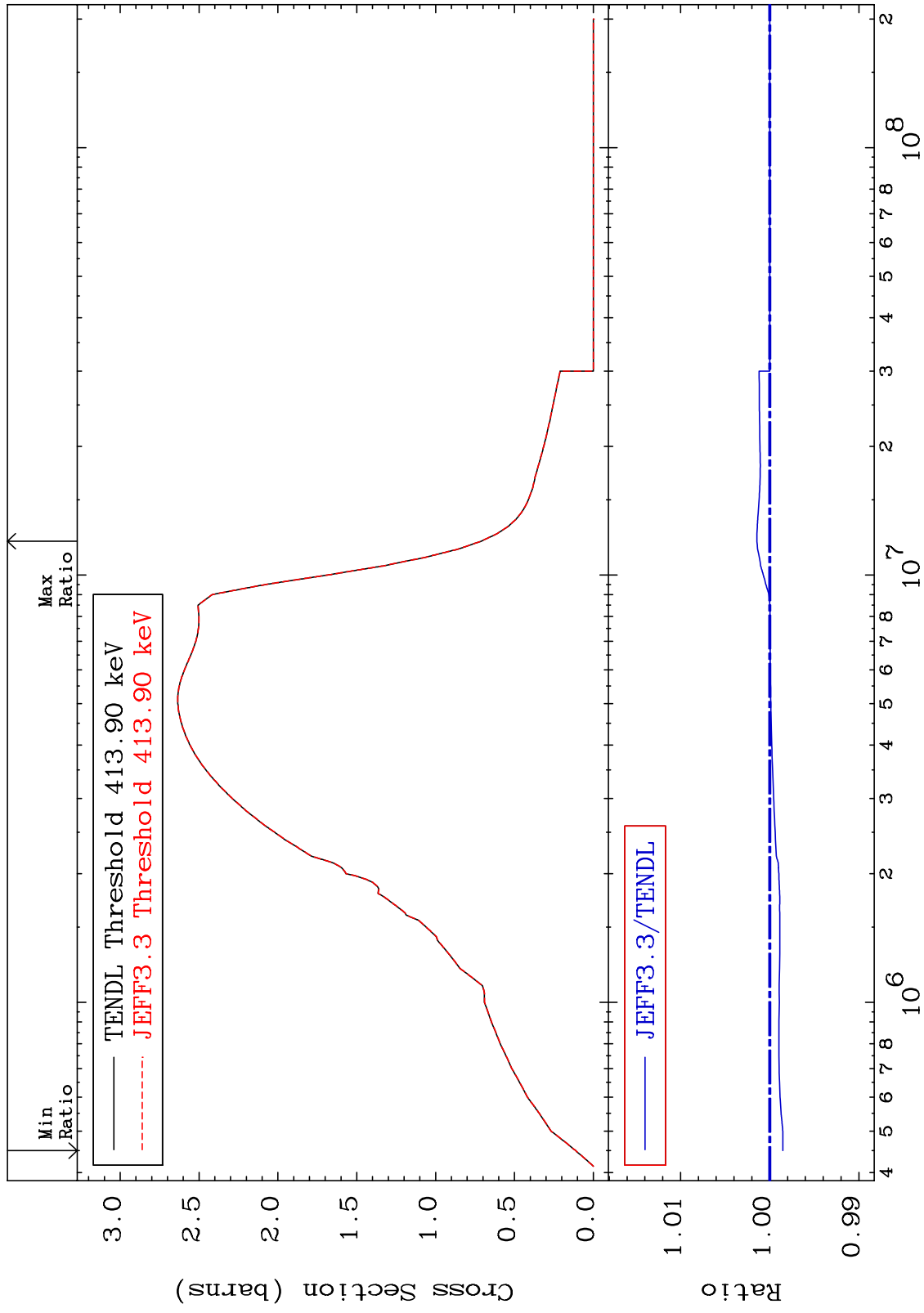


2

Incident Energy (eV)

80-Hg-198

MAT 8031 Inelastic Cross Section 80-Hg-198 -0.147 To 0.145 %



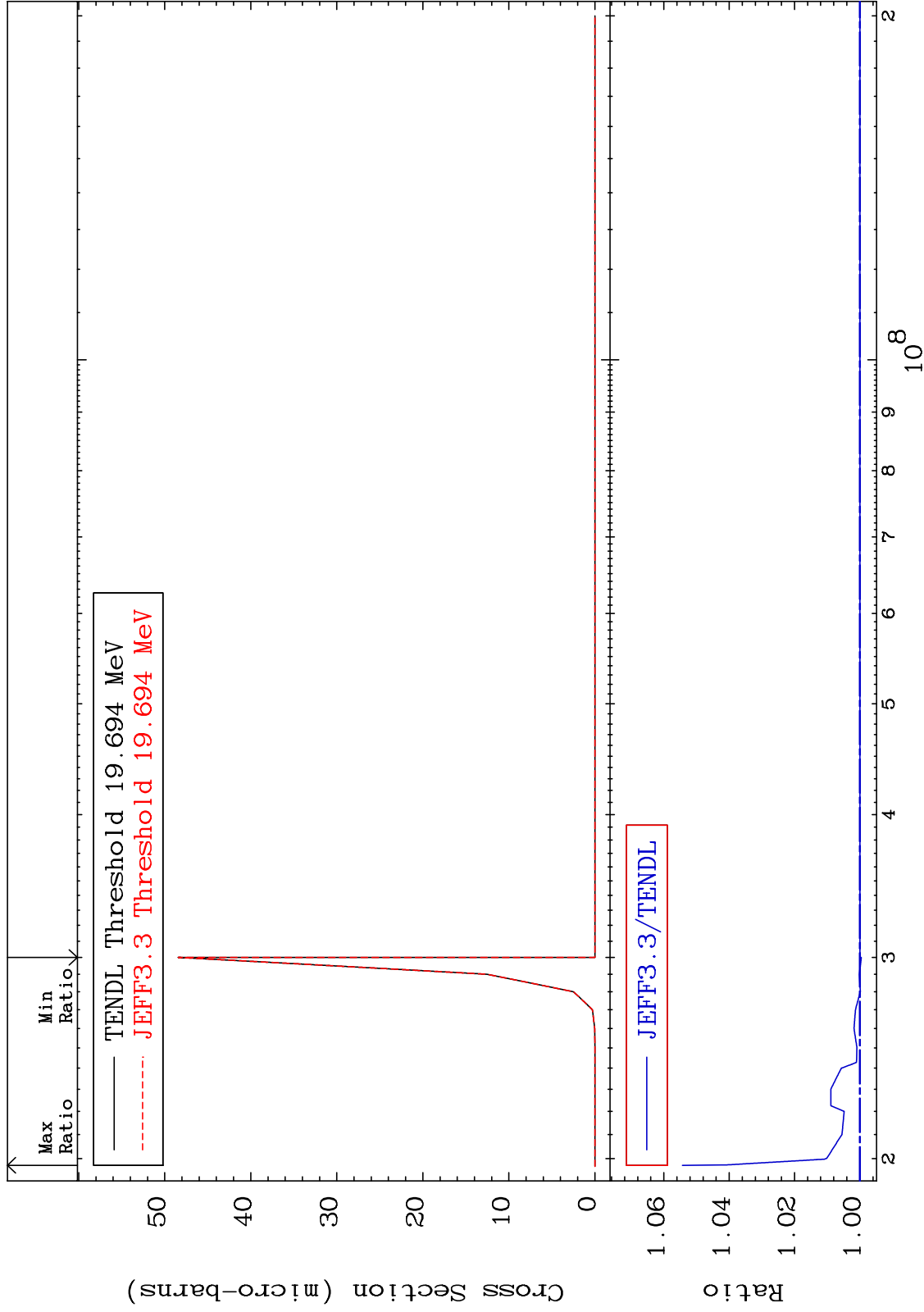
MAT 8031

(n,2n) d

80-Hg-198

Cross Section

-0.043 To 5.430 %



4

Incident Energy (eV)

80-Hg-198

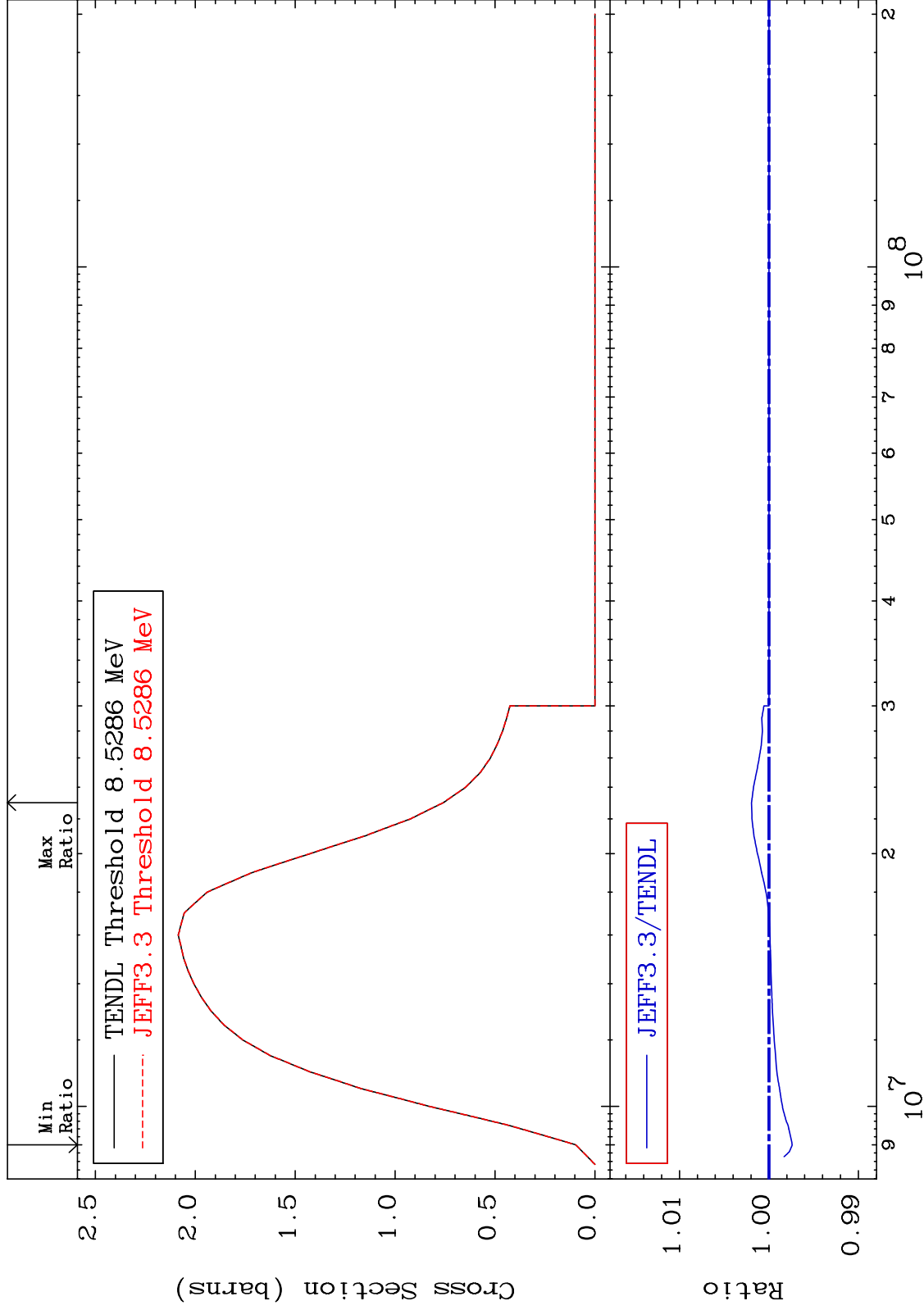
MAT 8031

(n,2n)

80-Hg-198

-0.261 To 0.195 %

Cross Section

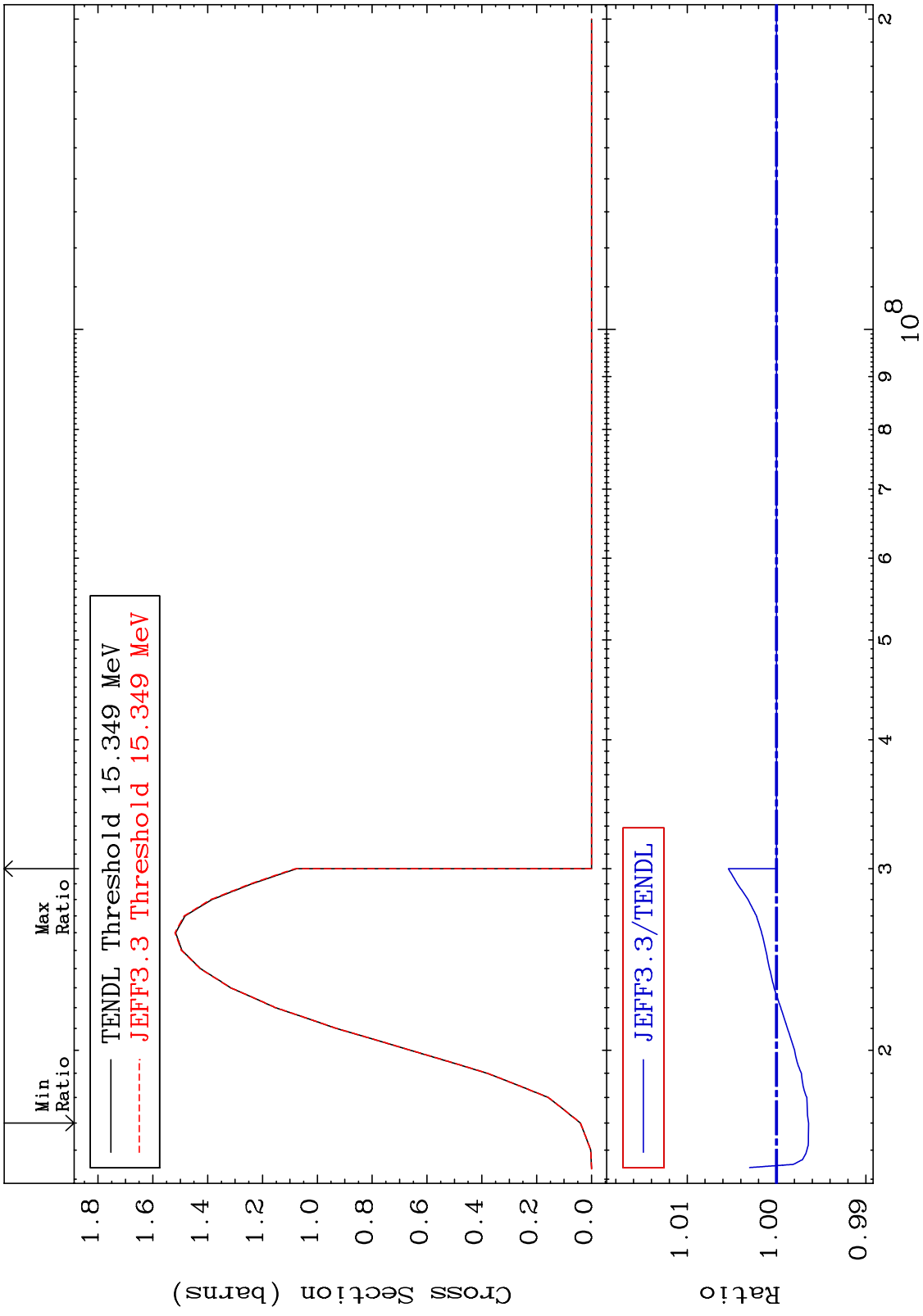


5

Incident Energy (eV)

80-Hg-198

MAT 8031 (n,3n) 80-Hg-198  
 Cross Section -0.358 To 0.539 %



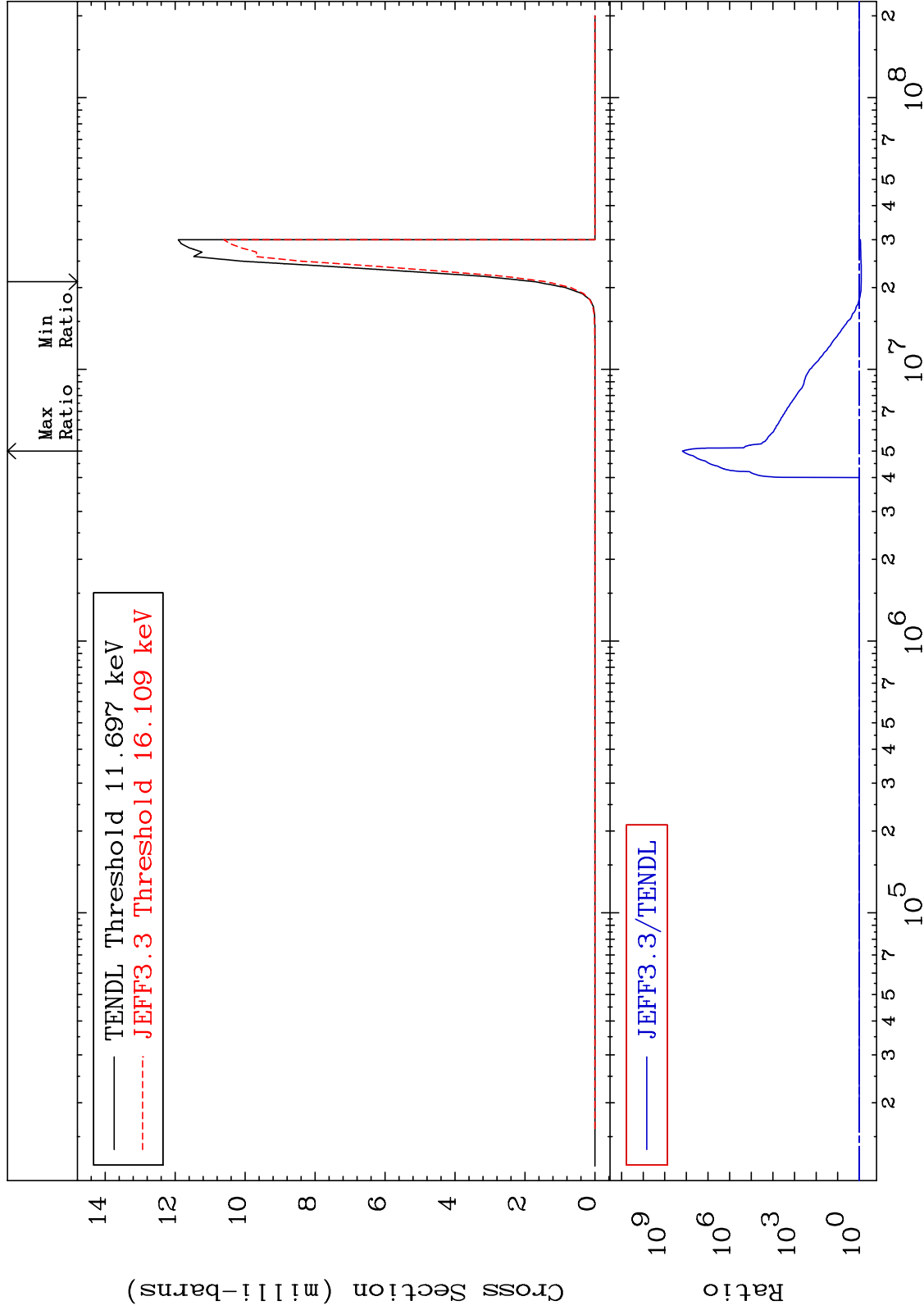
MAT 8031

$(n, n') \alpha$

80-Hg-198

-18.82 To 9999. %

Cross Section





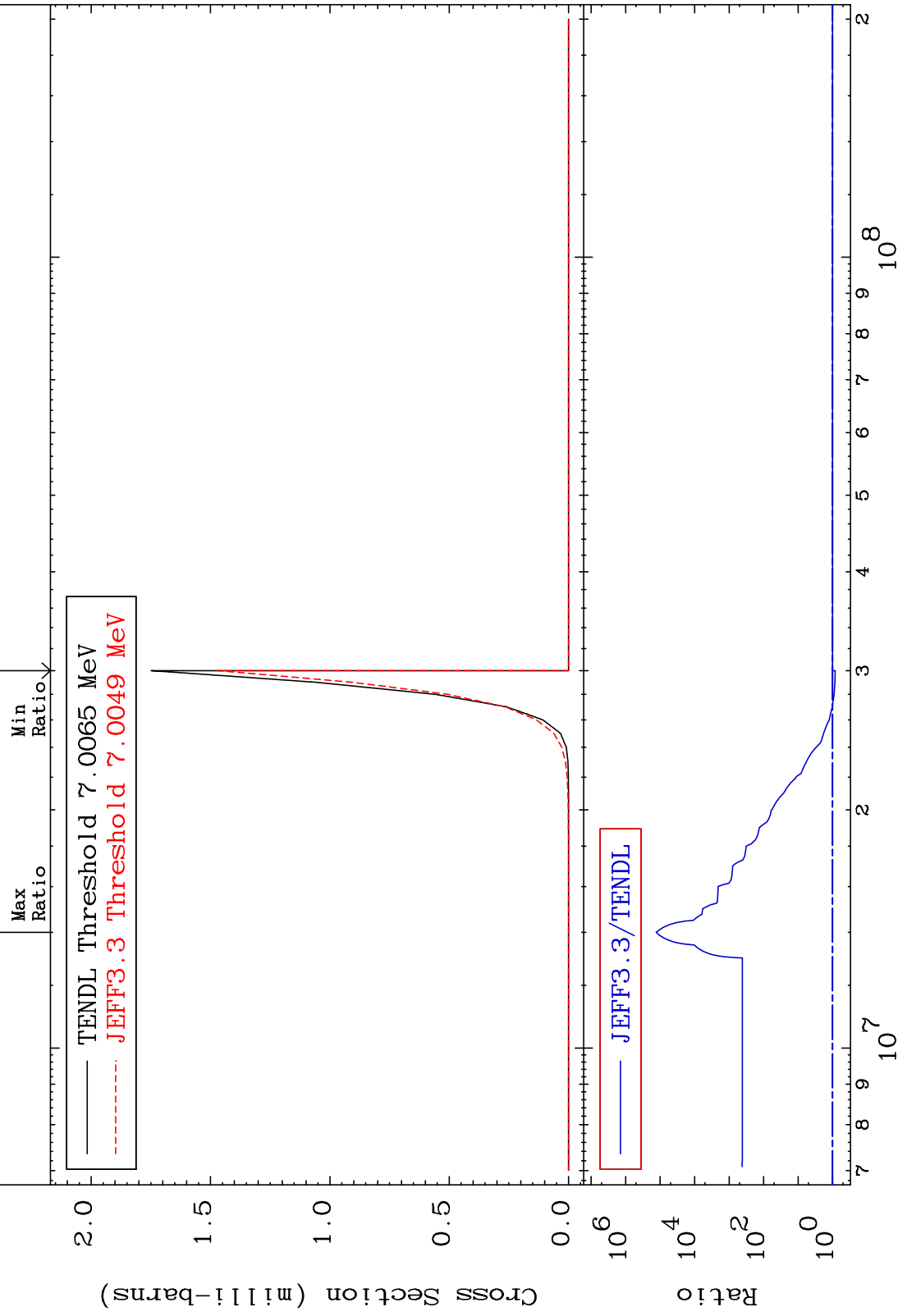
MAT 8031

(n,2n)  $\alpha$

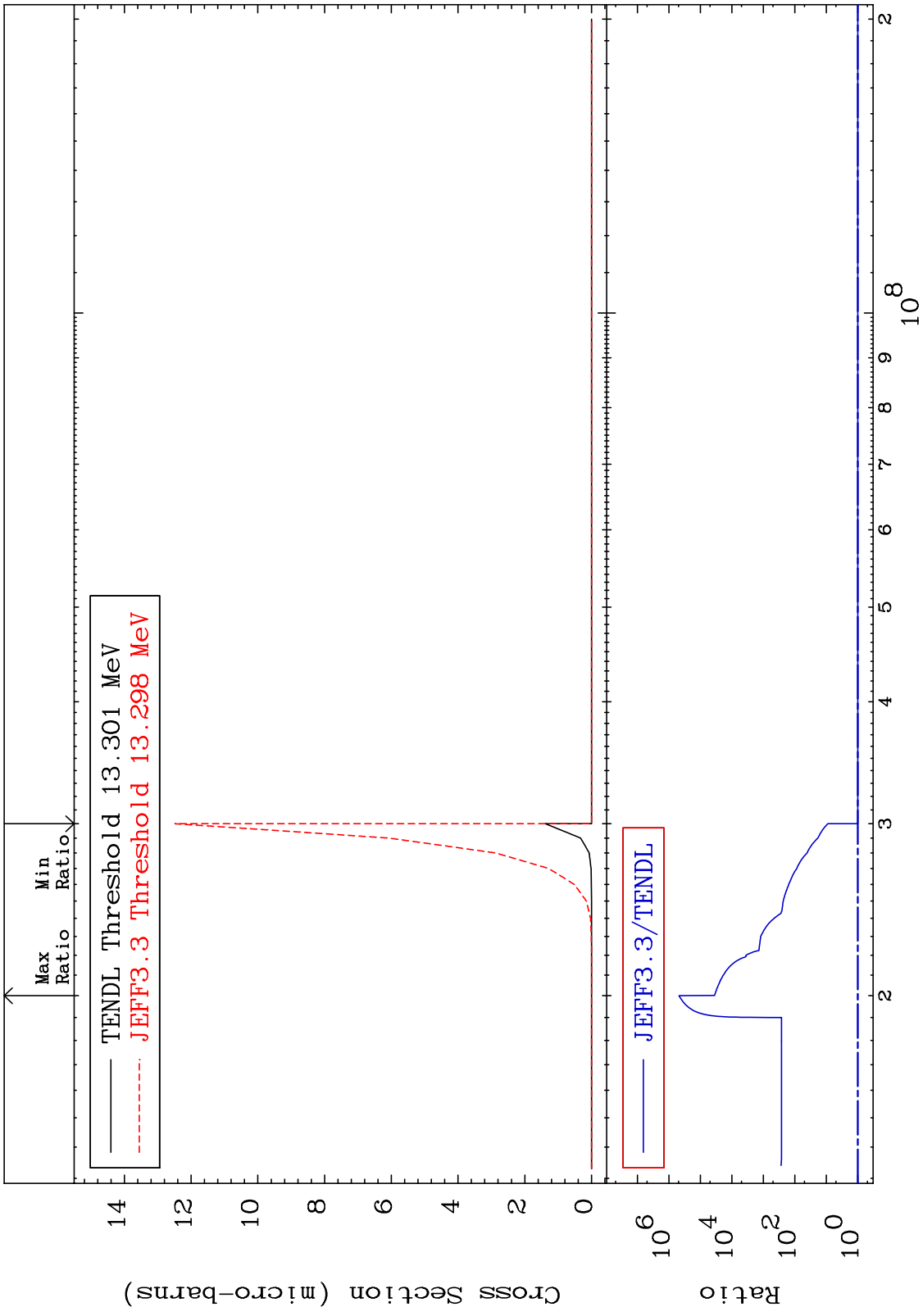
80-Hg-198

-16.03 To 9999. %

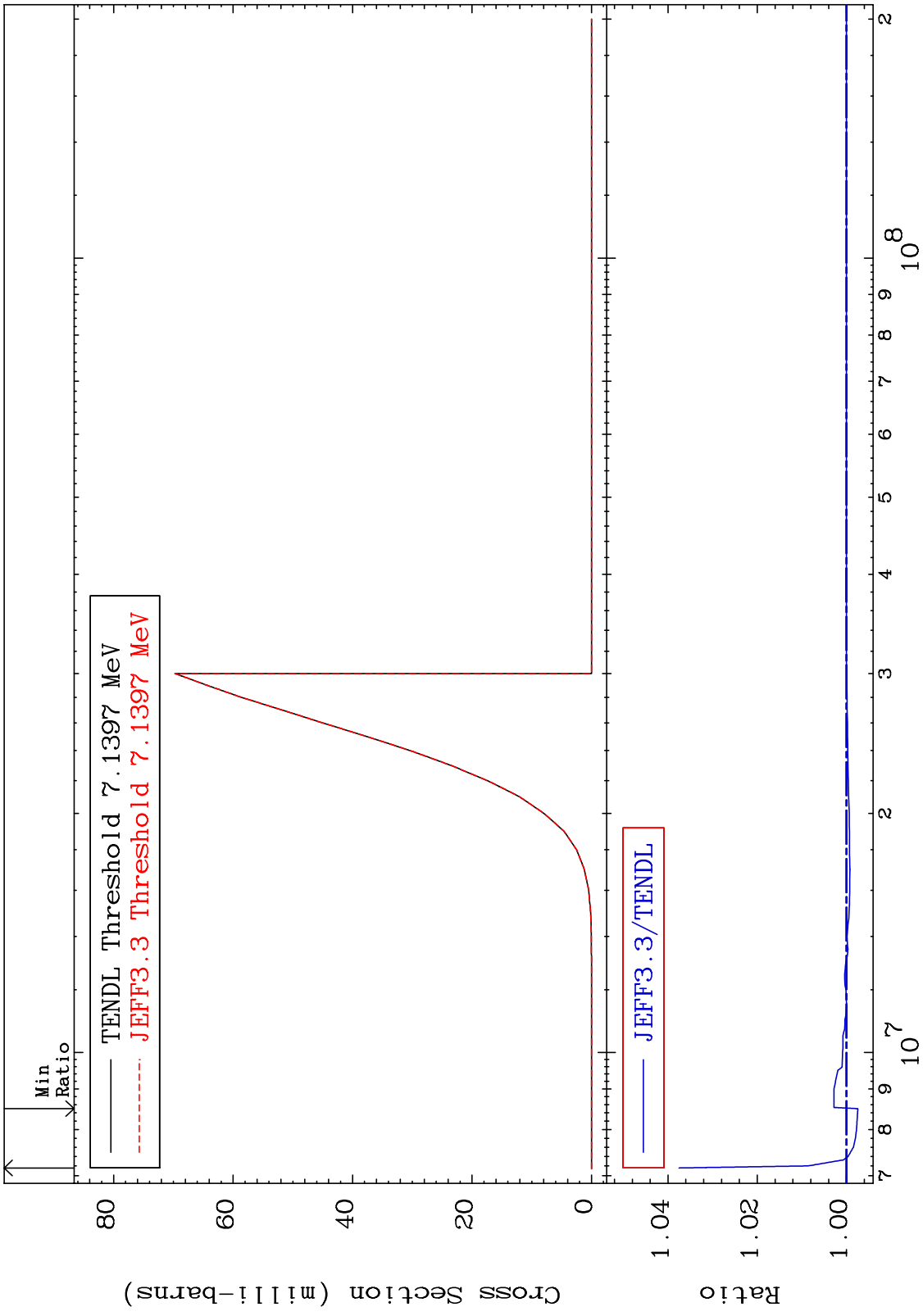
Cross Section



MAT 8031  $(n, 3n) \alpha$  80-Hg-198  
 Cross Section 0.000 To 9999. %

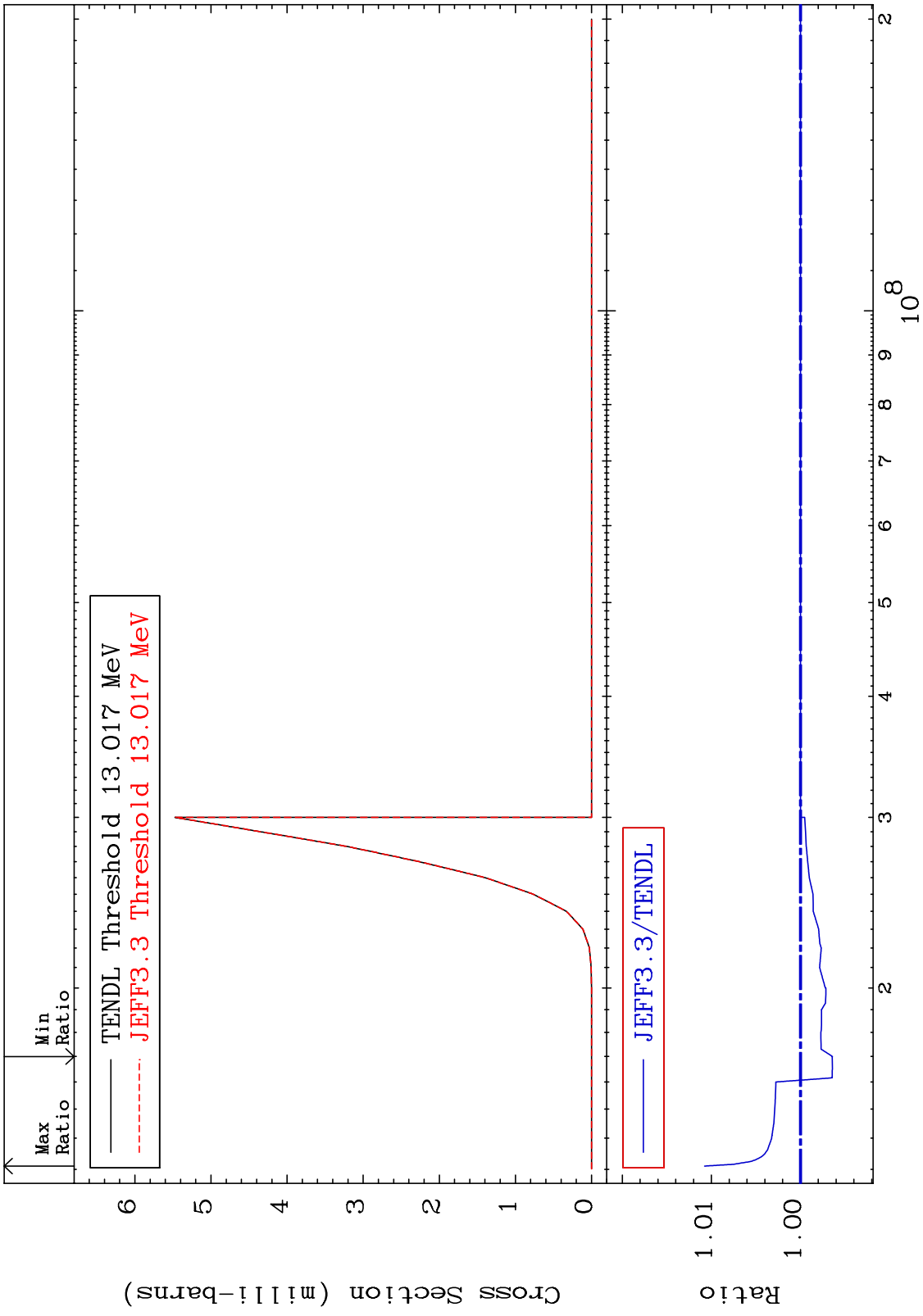


MAT 8031 (n,n') p 80-Hg-198  
Cross Section -0.254 To 3.753 %



80-Hg-198 Incident Energy (eV)

MAT 8031 (n, n') d 80-Hg-198  
 Cross Section -0.358 To 1.078 %



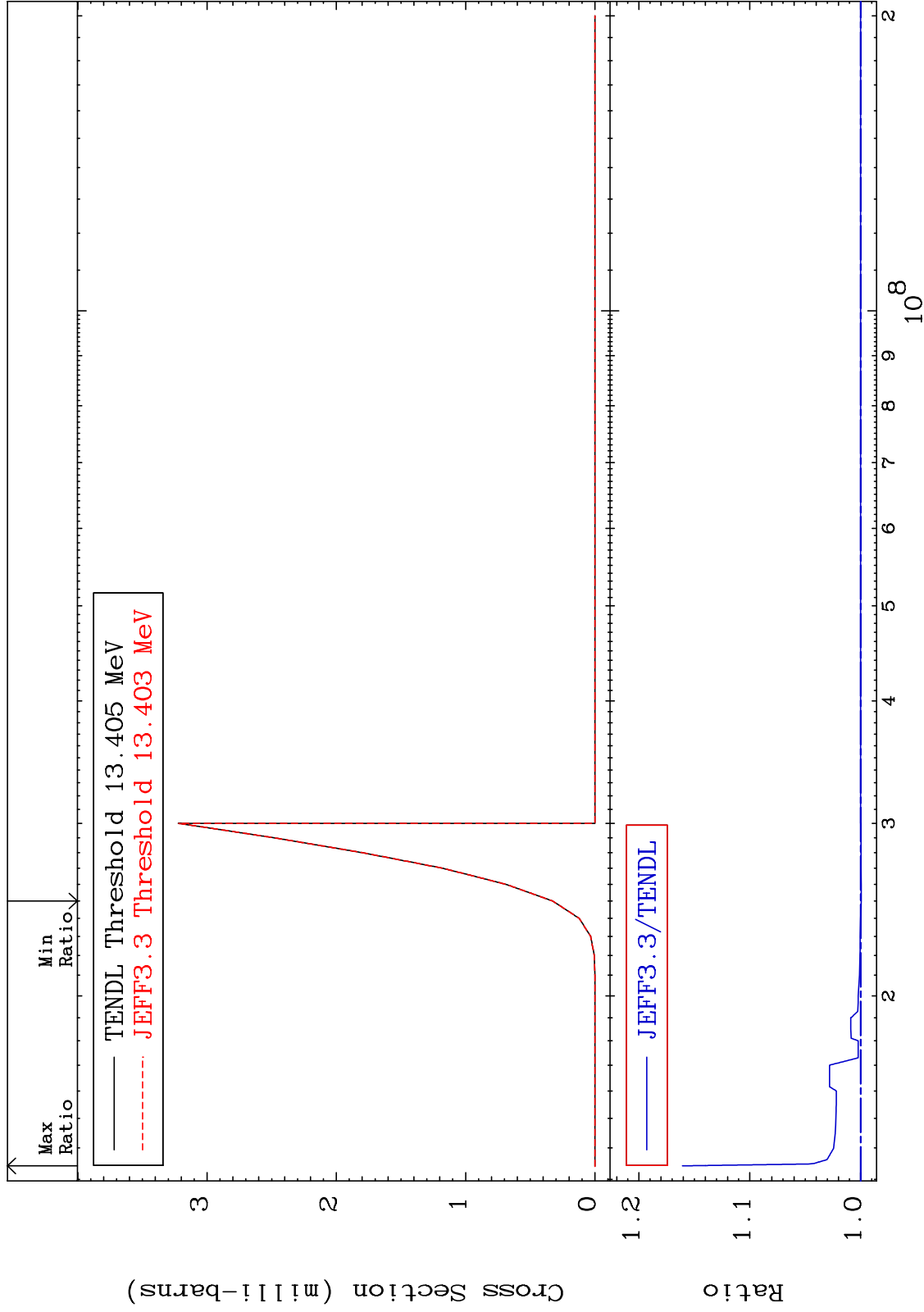
MAT 8031

(n, n') t

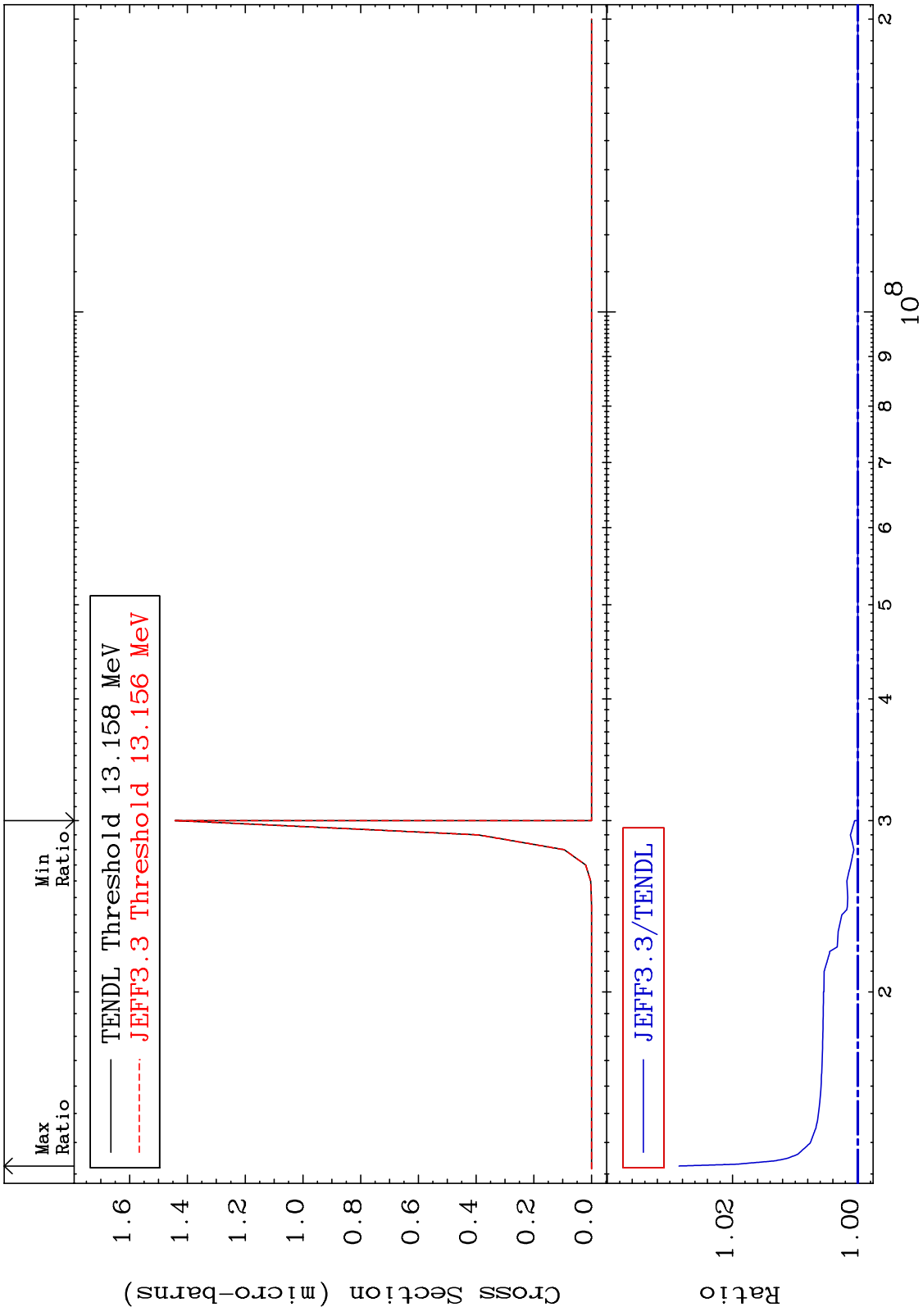
80-Hg-198

Cross Section

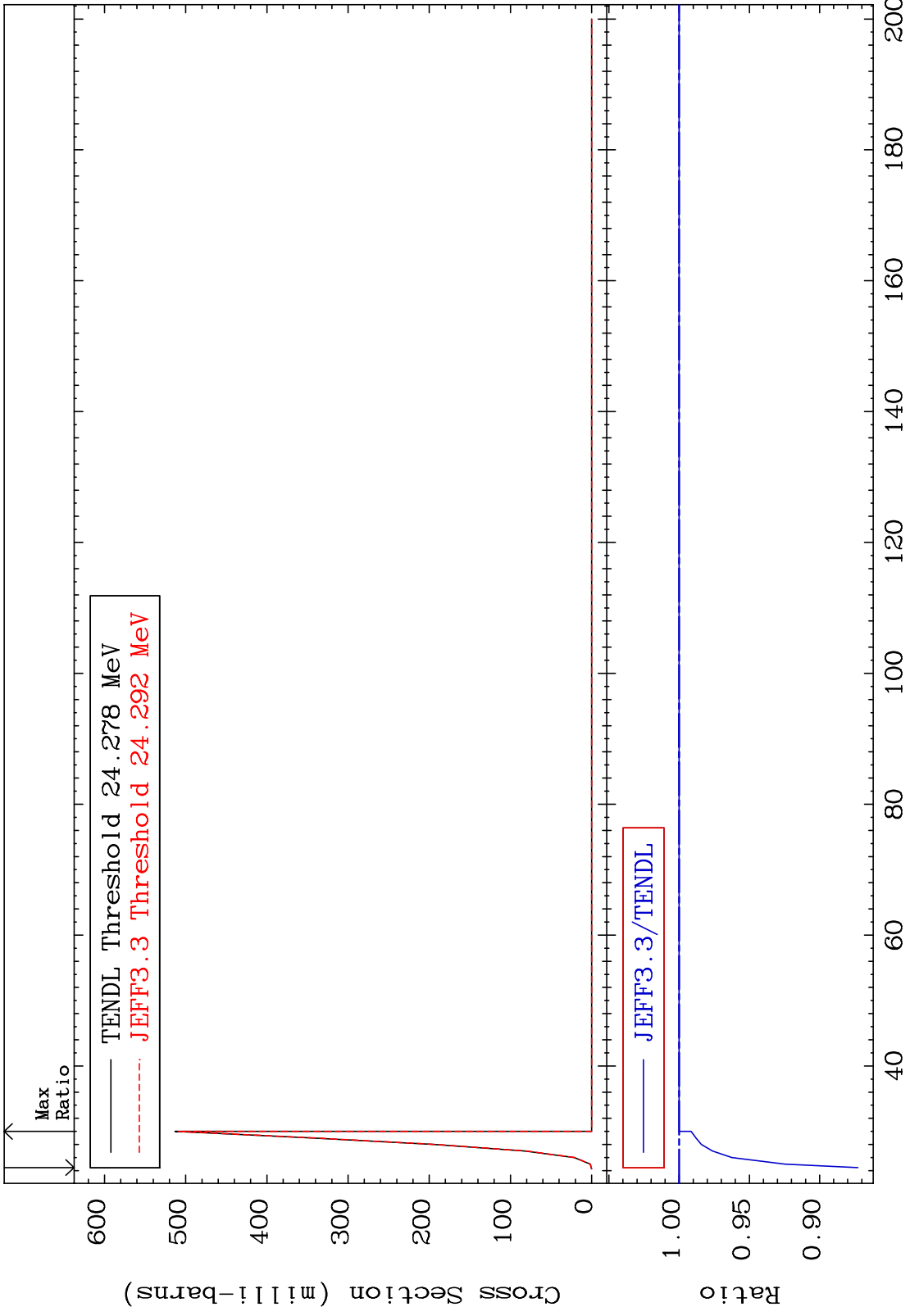
-0.060 To 16.07 %



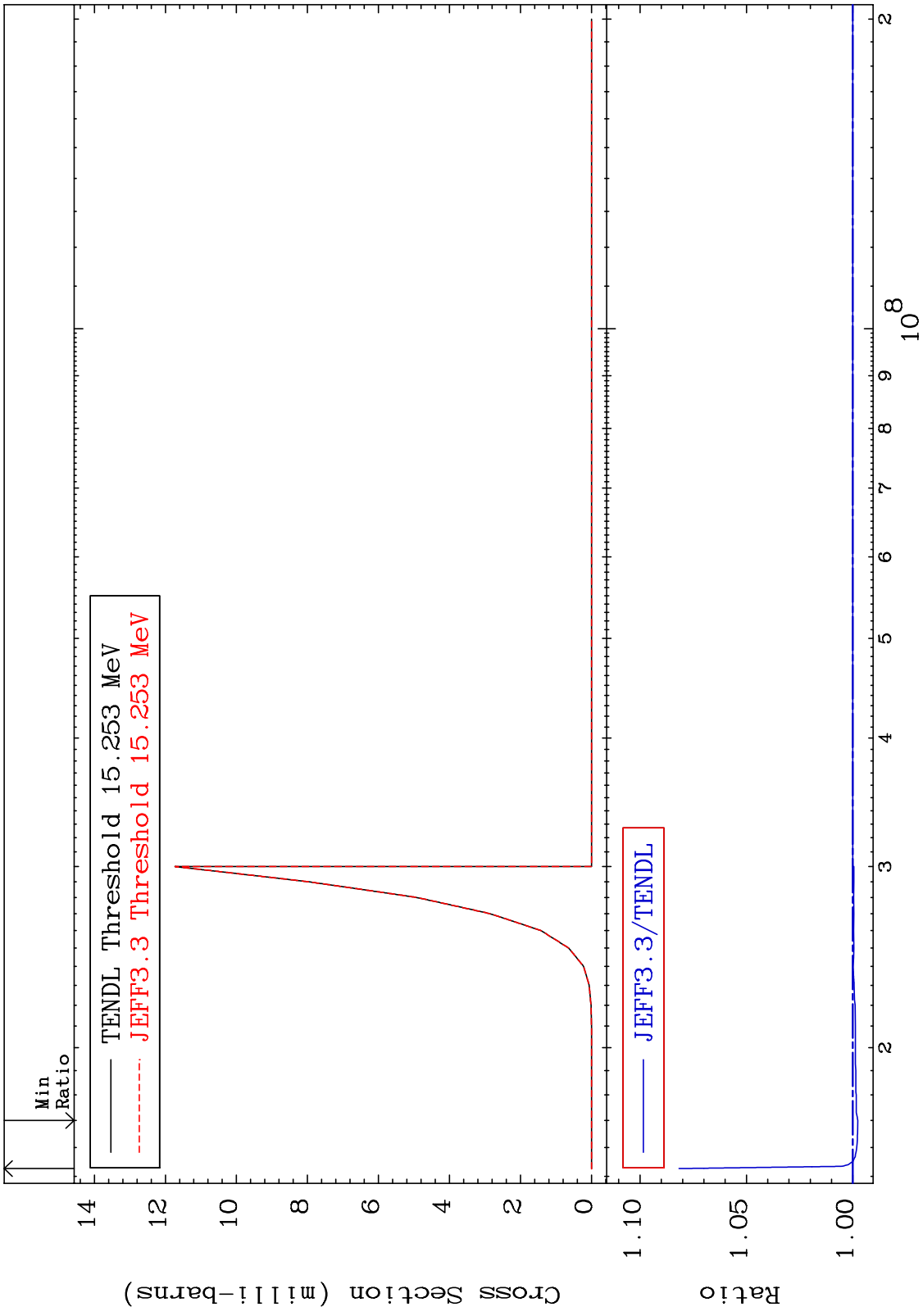
MAT 8031 (n, n') He-3 80-Hg-198  
 Cross Section 0.000 To 2.853 %



MAT 8031 (n,4n) Cross Section 80-Hg-198 -12.73 To 0.000 %

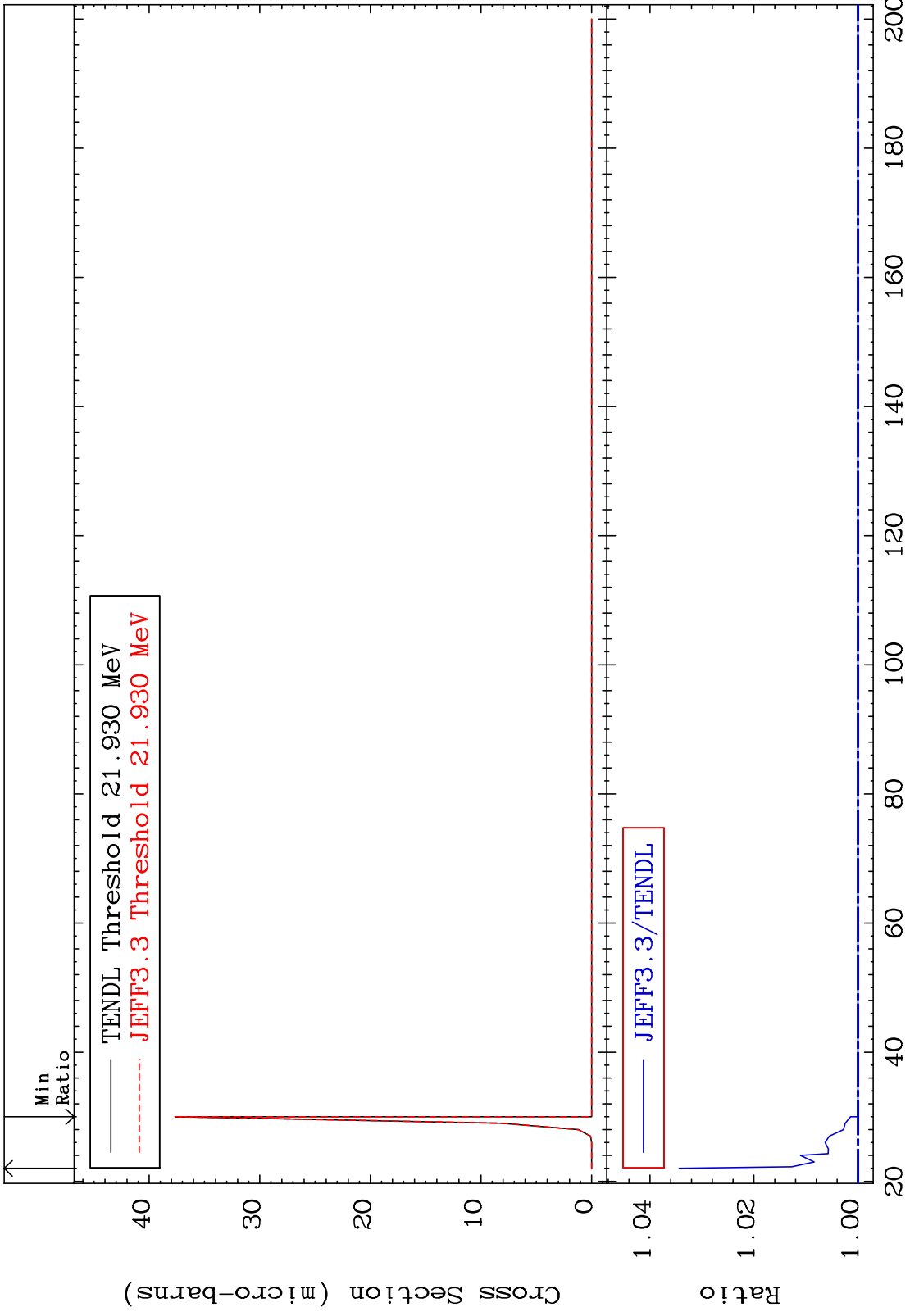


MAT 8031 (n,2n) p 80-Hg-198  
 Cross Section -0.234 To 8.167 %

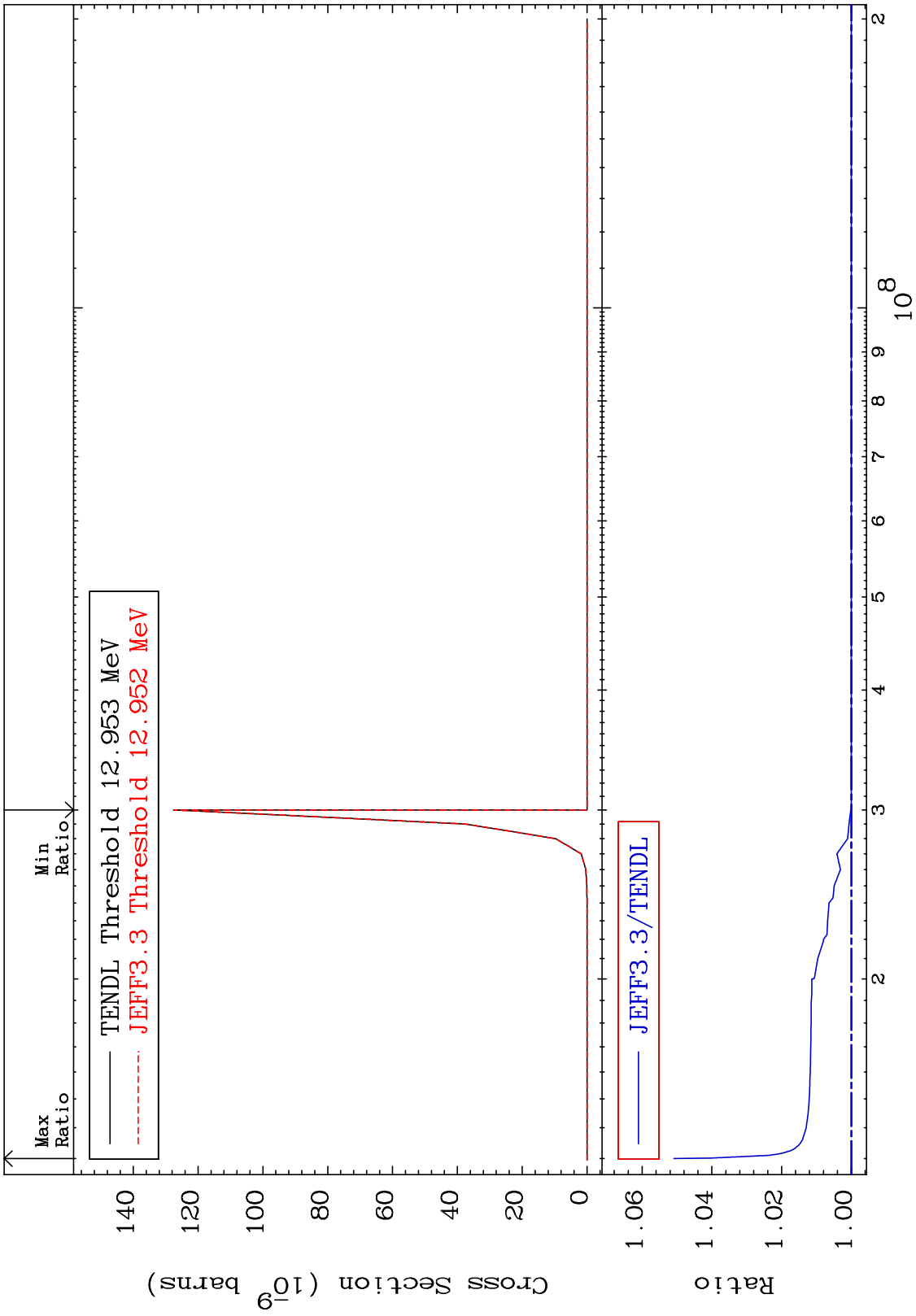




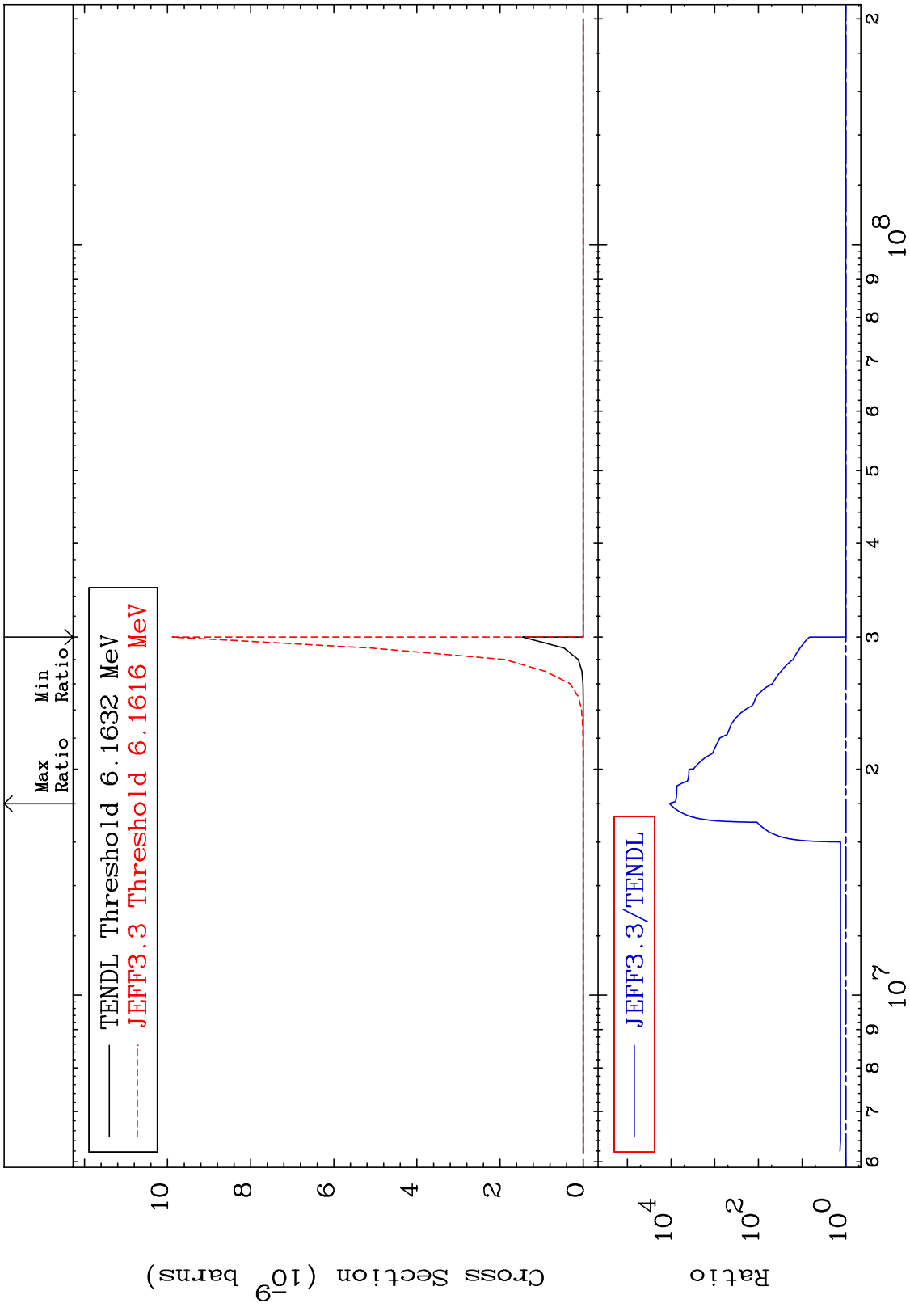
MAT 8031 (n,3n) p 80-Hg-198  
Cross Section 0.000 To 3.438 %



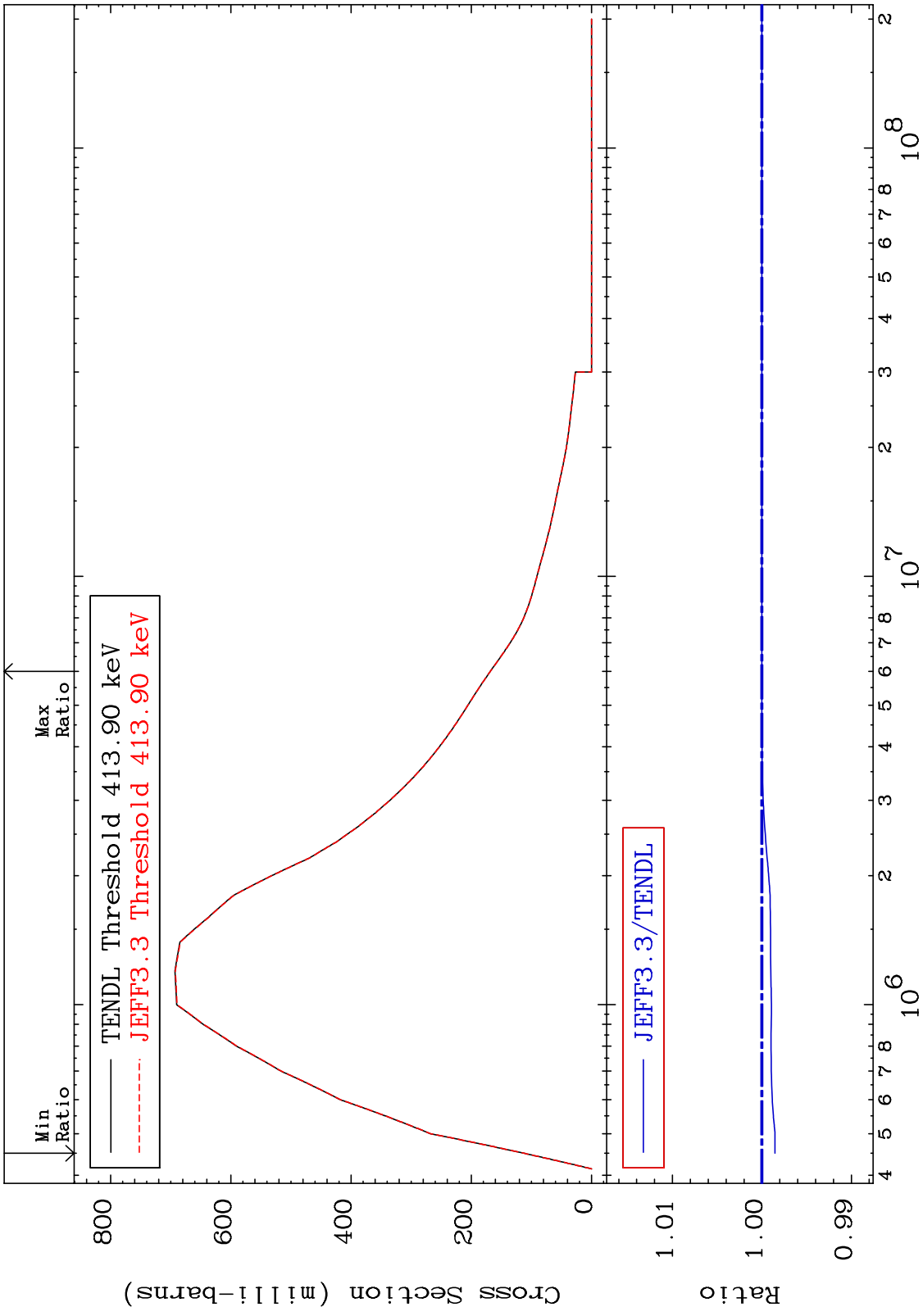
MAT 8031 (n,2n) p 80-Hg-198  
Cross Section 0.000 To 5.090 %



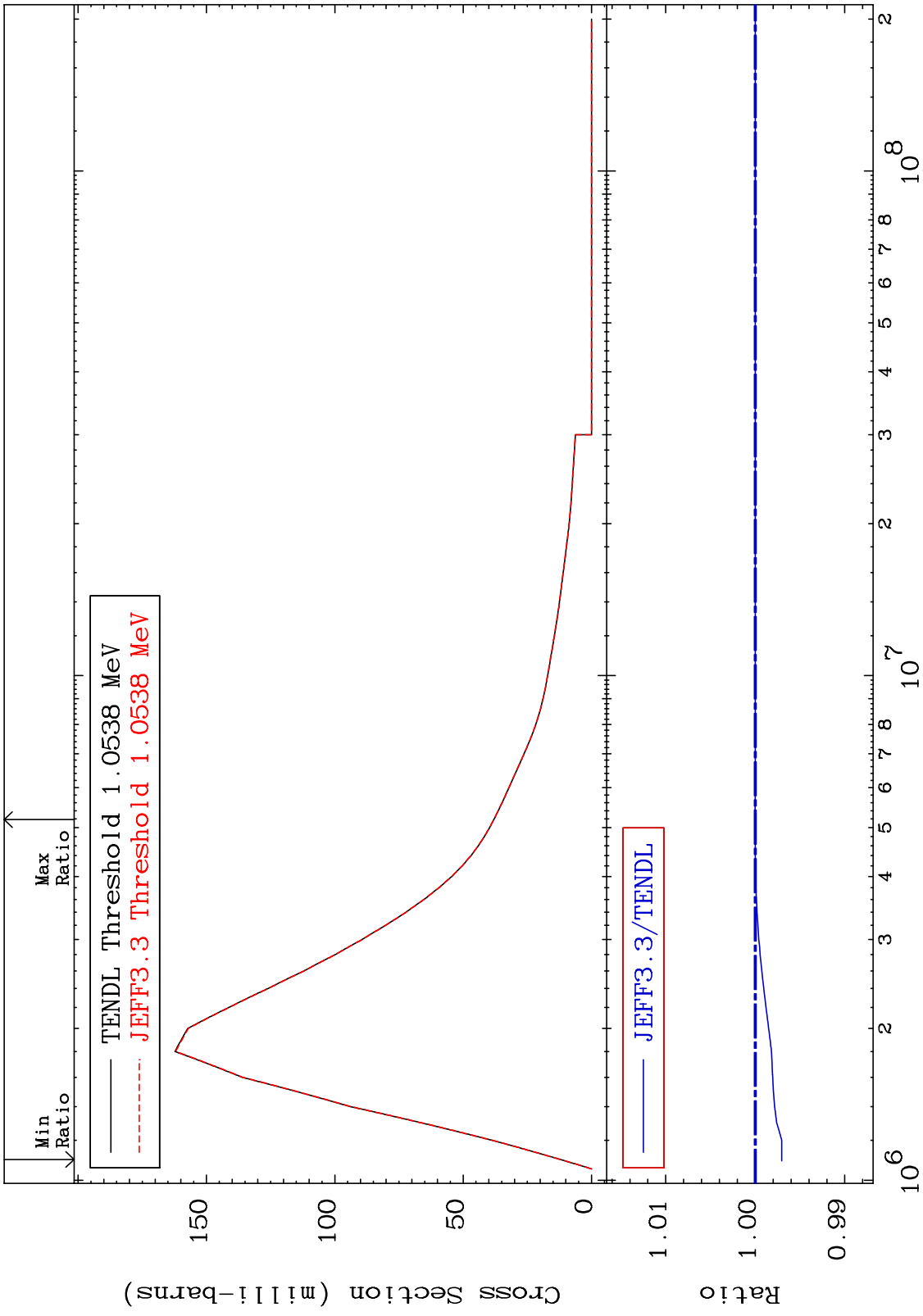
MAT 8031 80-Hg-198  
To 9999. %  
0.000  
(n,n') p α  
Cross Section



MAT 8031 MT= 51 (n,n') Level Cross Section -0.147 To 0.000 % 80-Hg-198

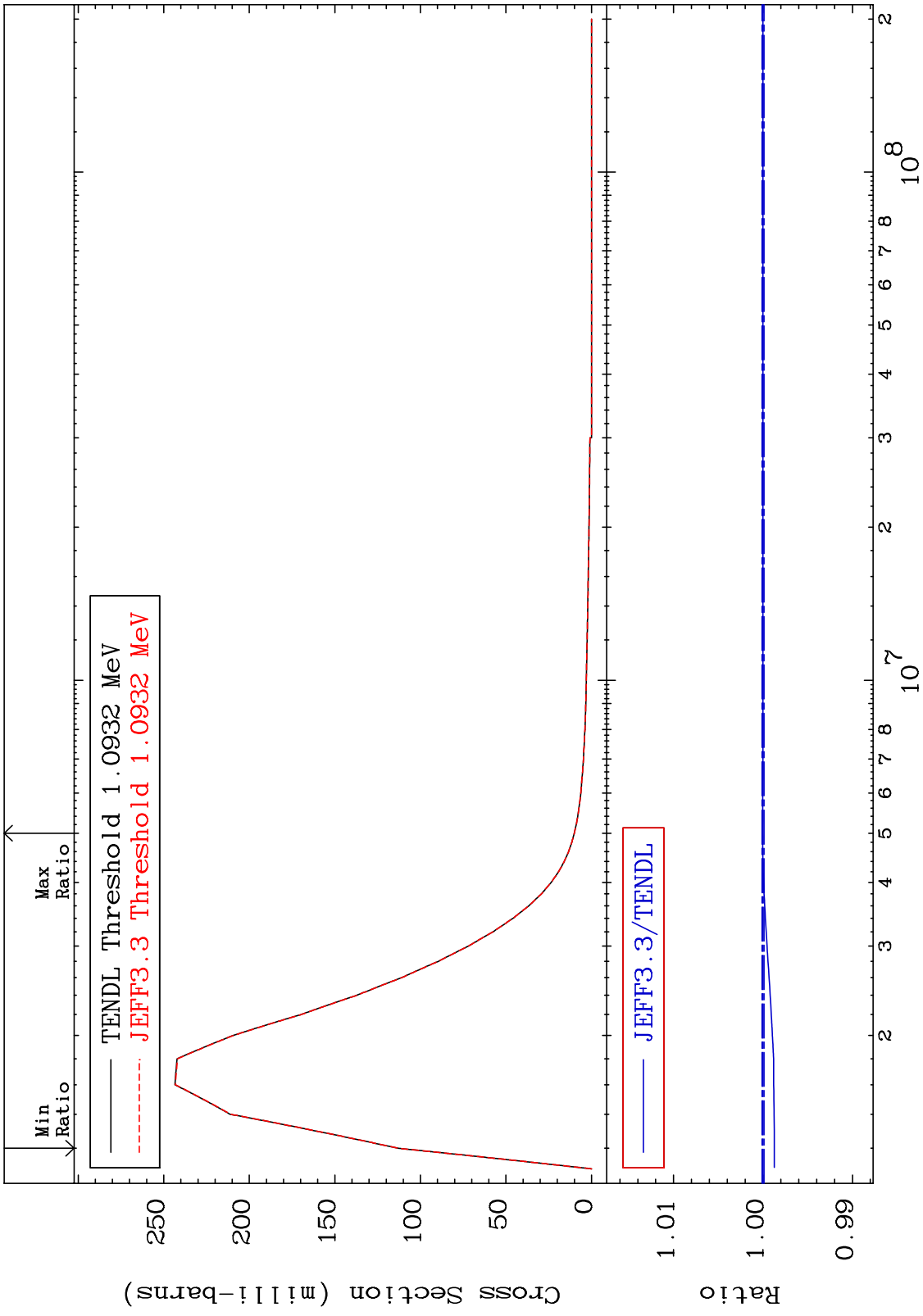


MAT 8031 MT= 52 (n,n') Level Cross Section 80-Hg-198  
-0.296 To 0.001 %



20 Incident Energy (eV) 80-Hg-198

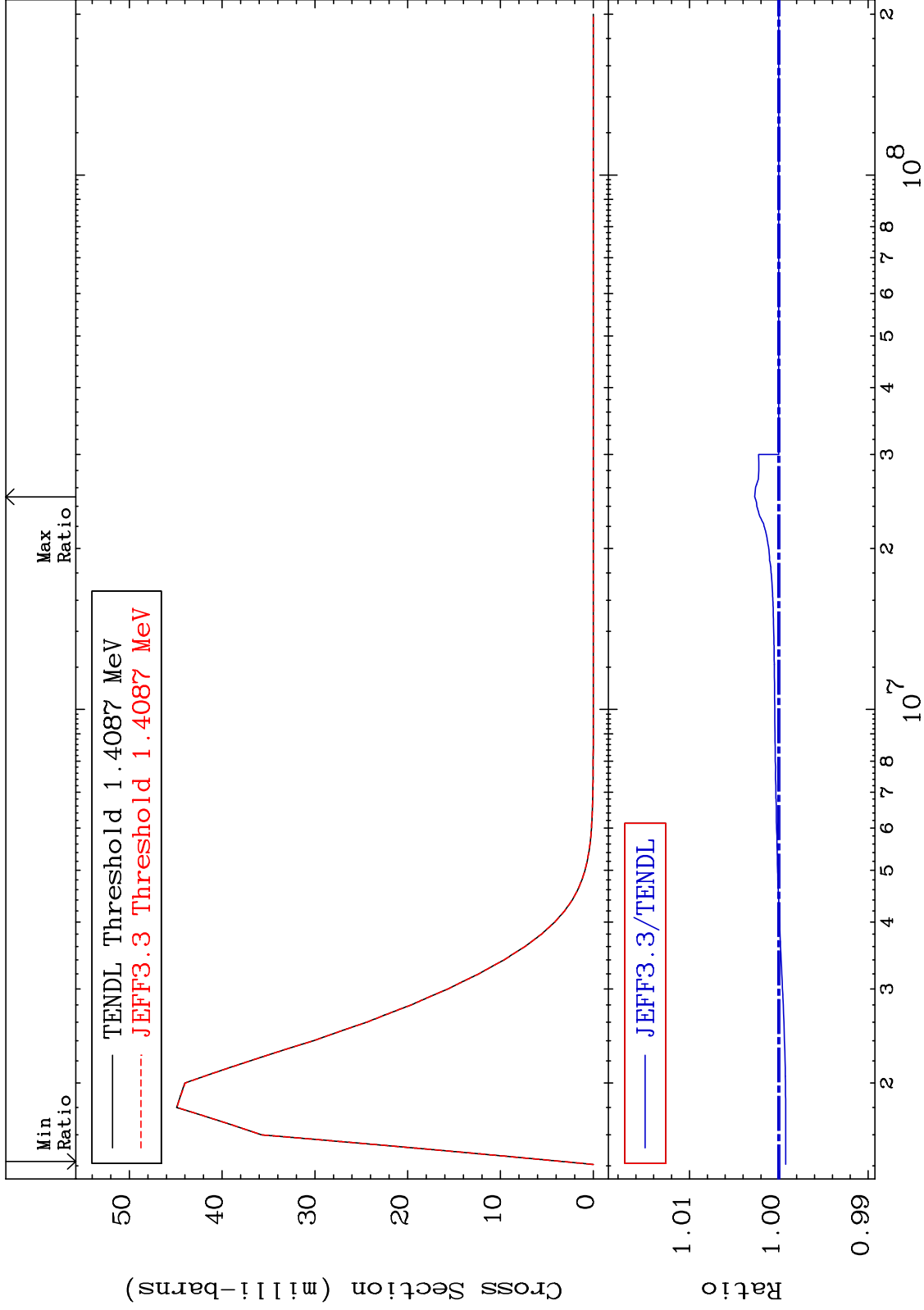
MAT 8031 MT= 53 (n,n') Level Cross Section 80-Hg-198  
 -0.126 To 0.005 %



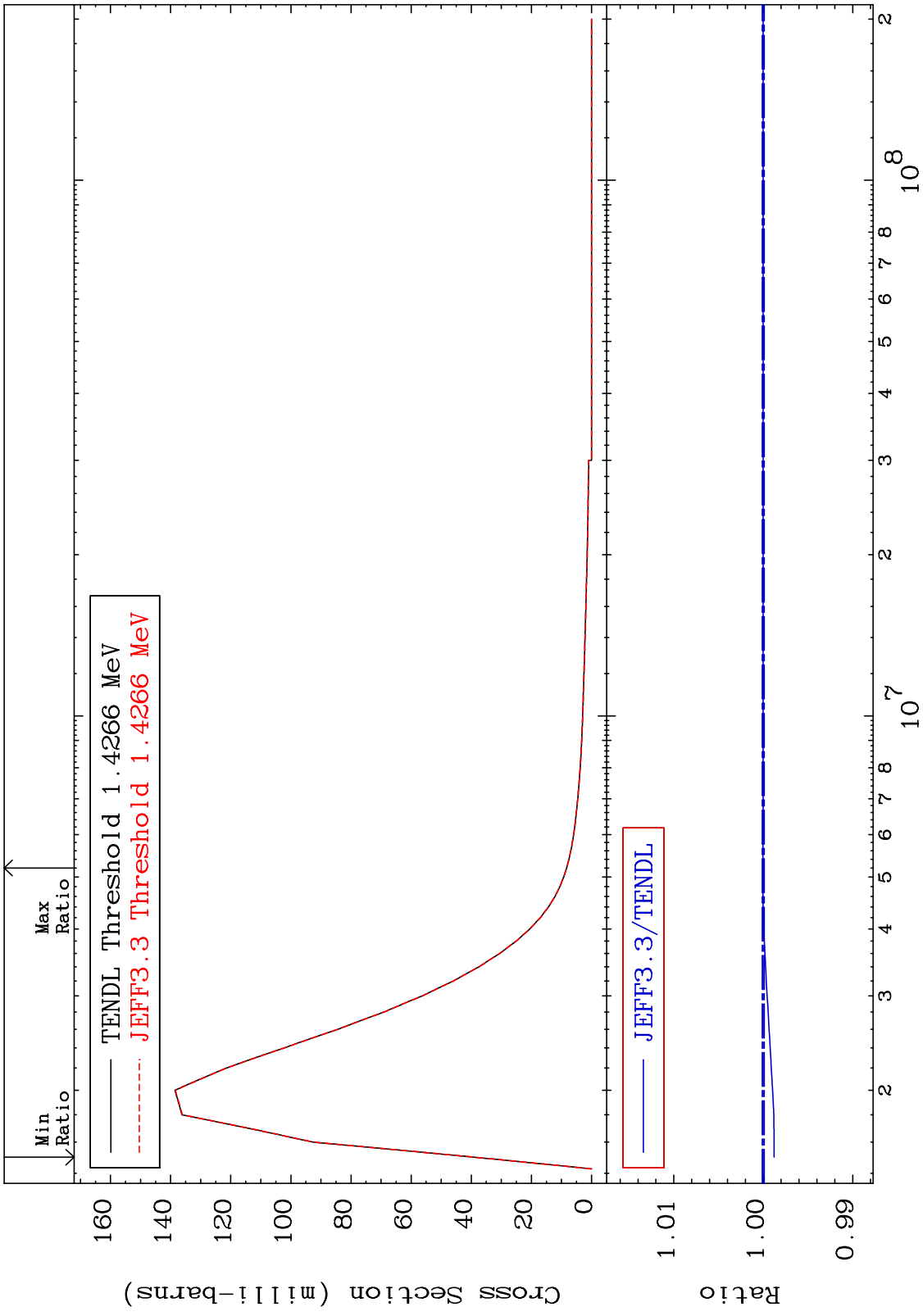
MAT 8031

MT= 54 (n,n') Level  
Cross Section

80-Hg-198  
-0.078 To 0.269 %

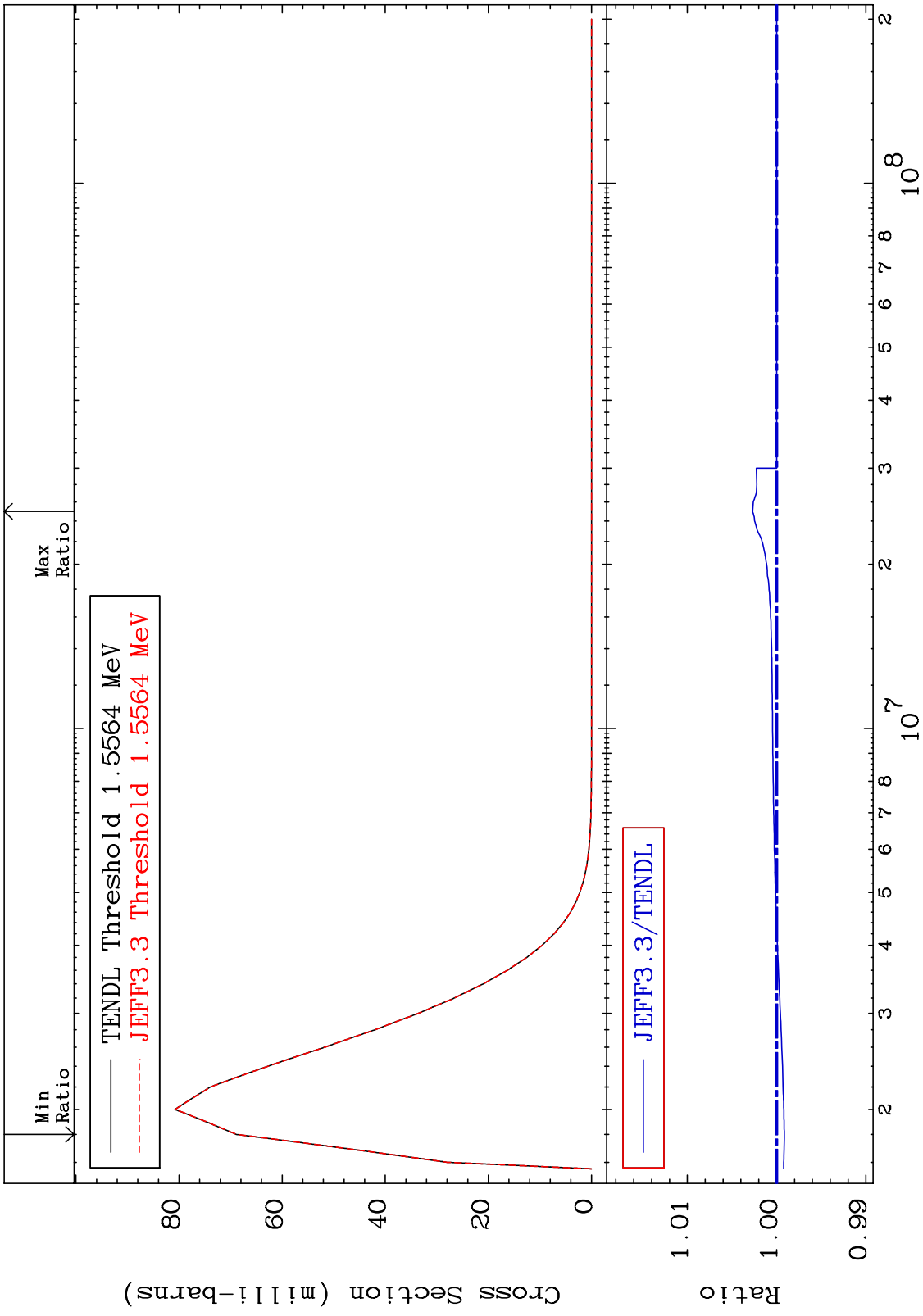


MAT 8031 MT= 55 (n,n') Level Cross Section -0.121 To 0.005 % 80-Hg-198

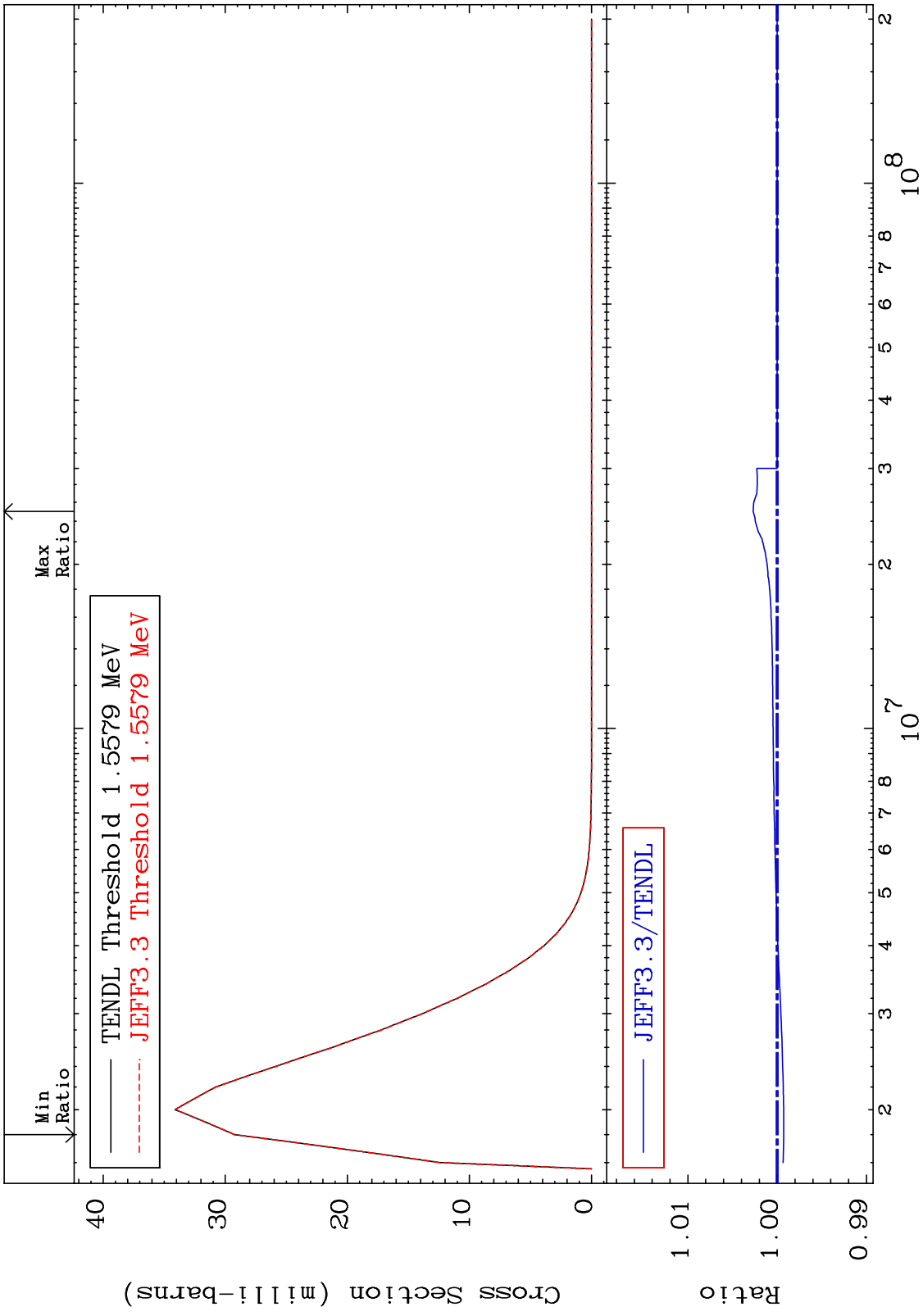




MAT 8031 MT= 56 (n,n') Level Cross Section -0.086 To 0.270 % 80-Hg-198



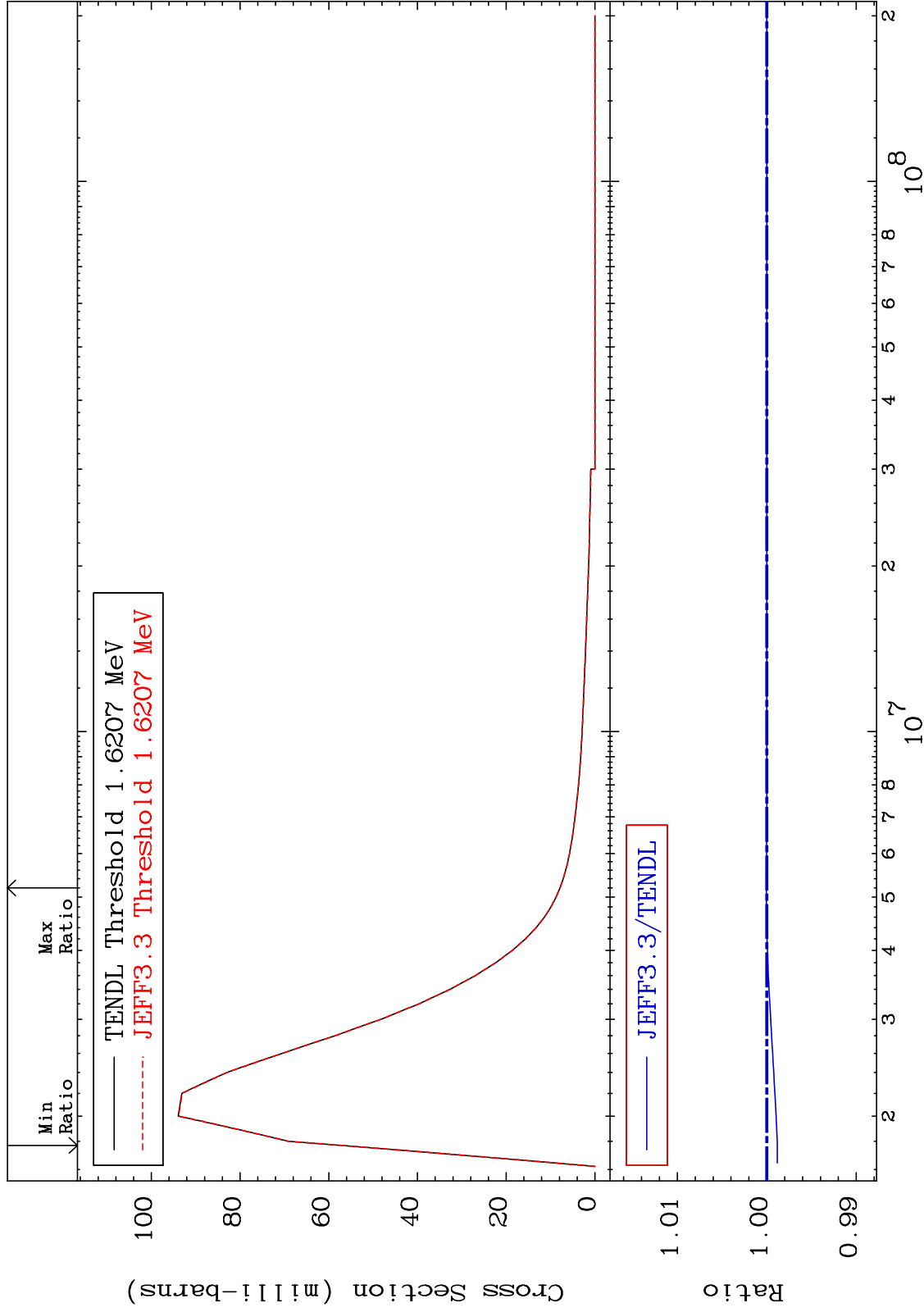
MAT 8031 MT= 57 (n, n') Level Cross Section -0.074 To 0.270 % 80-Hg-198



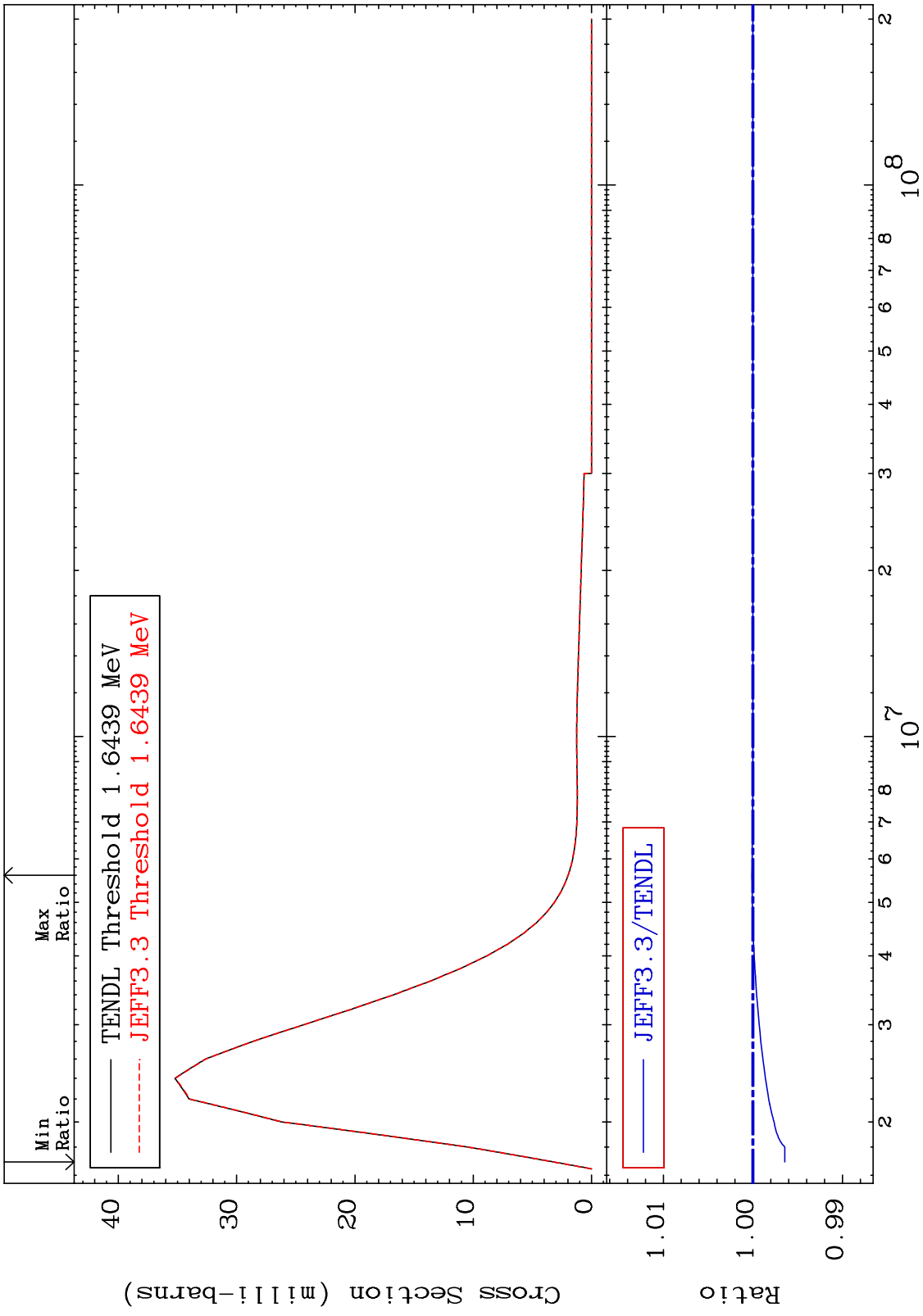
MAT 8031

MT= 58 (n,n') Level  
Cross Section

80-Hg-198  
-0.118 To 0.005 %



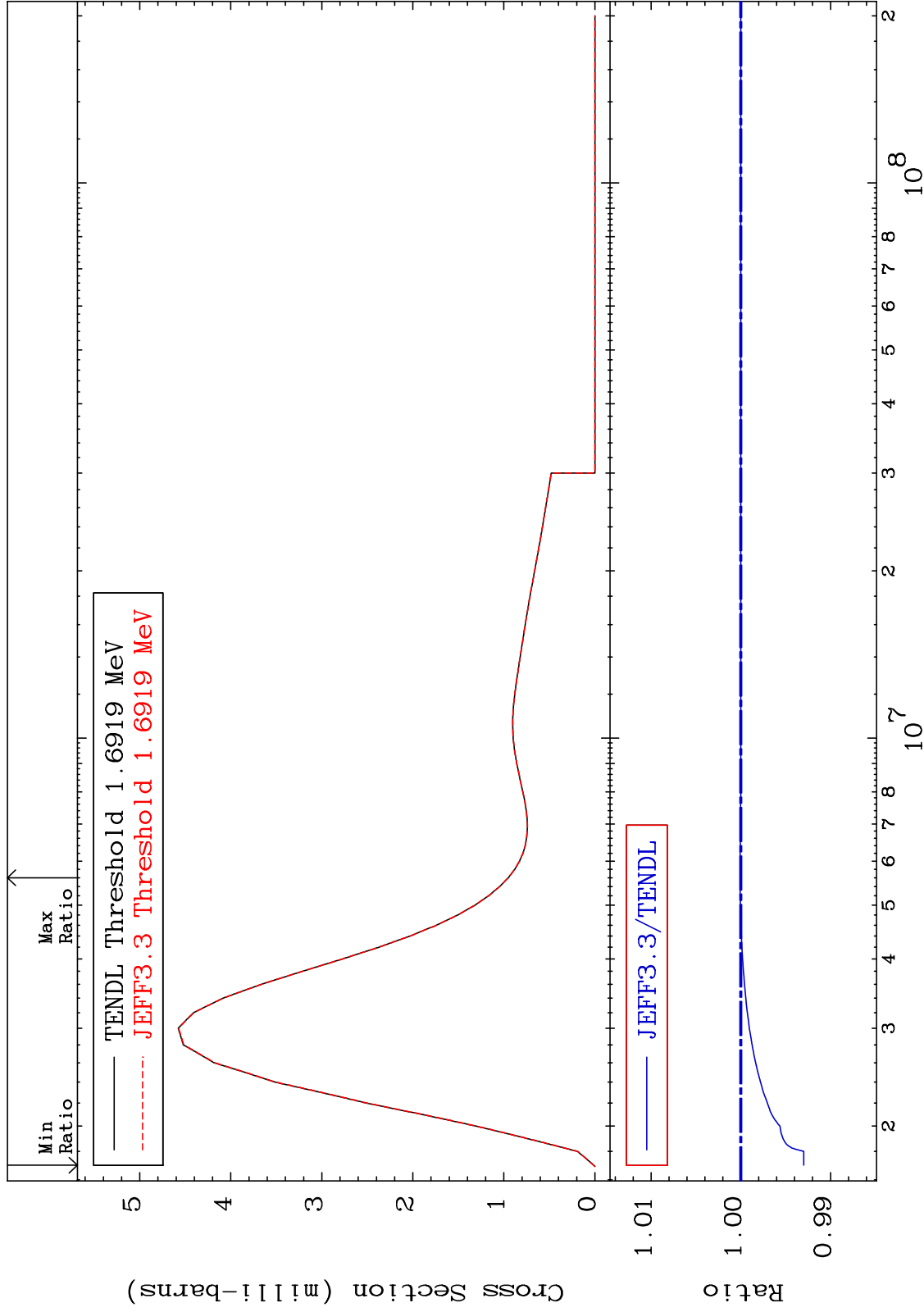
MAT 8031 MT= 59 (n,n') Level Cross Section 80-Hg-198 -0.357 To 0.010 %



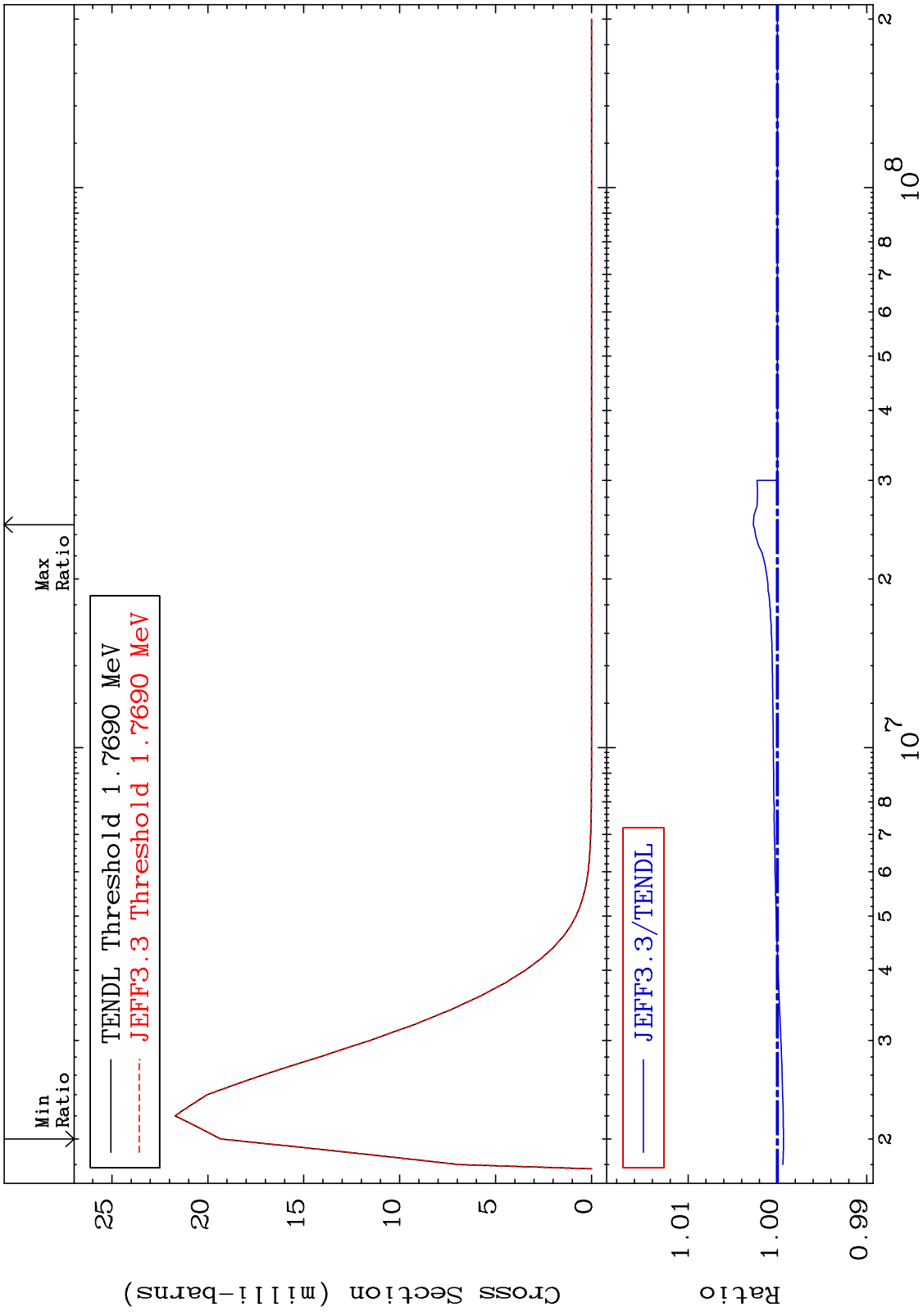
MAT 8031

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

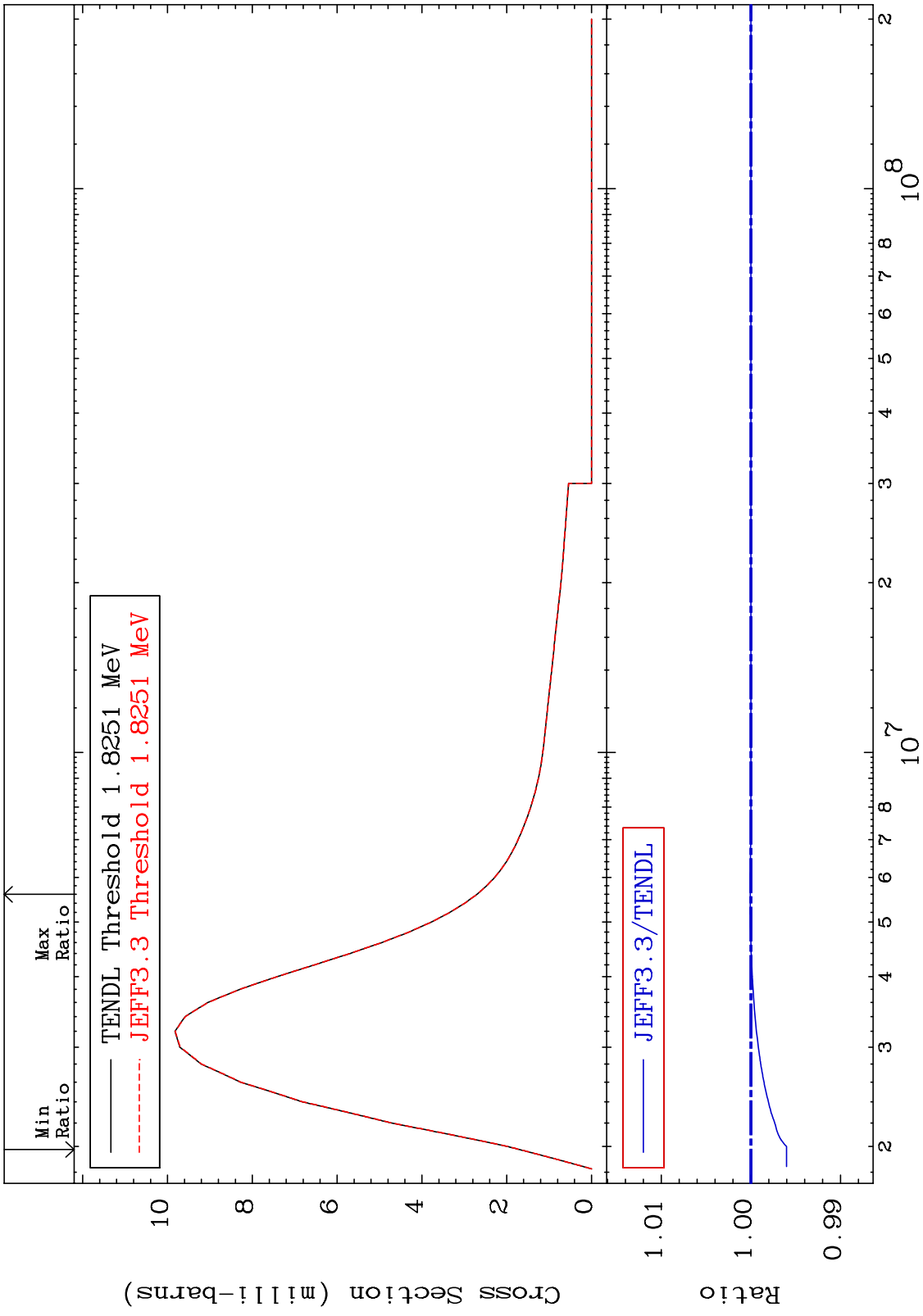
80-Hg-198  
-0.701 To 0.008 %



MAT 8031 MT= 61 (n, n') Level Cross Section -0.069 To 0.269 % 80-Hg-198

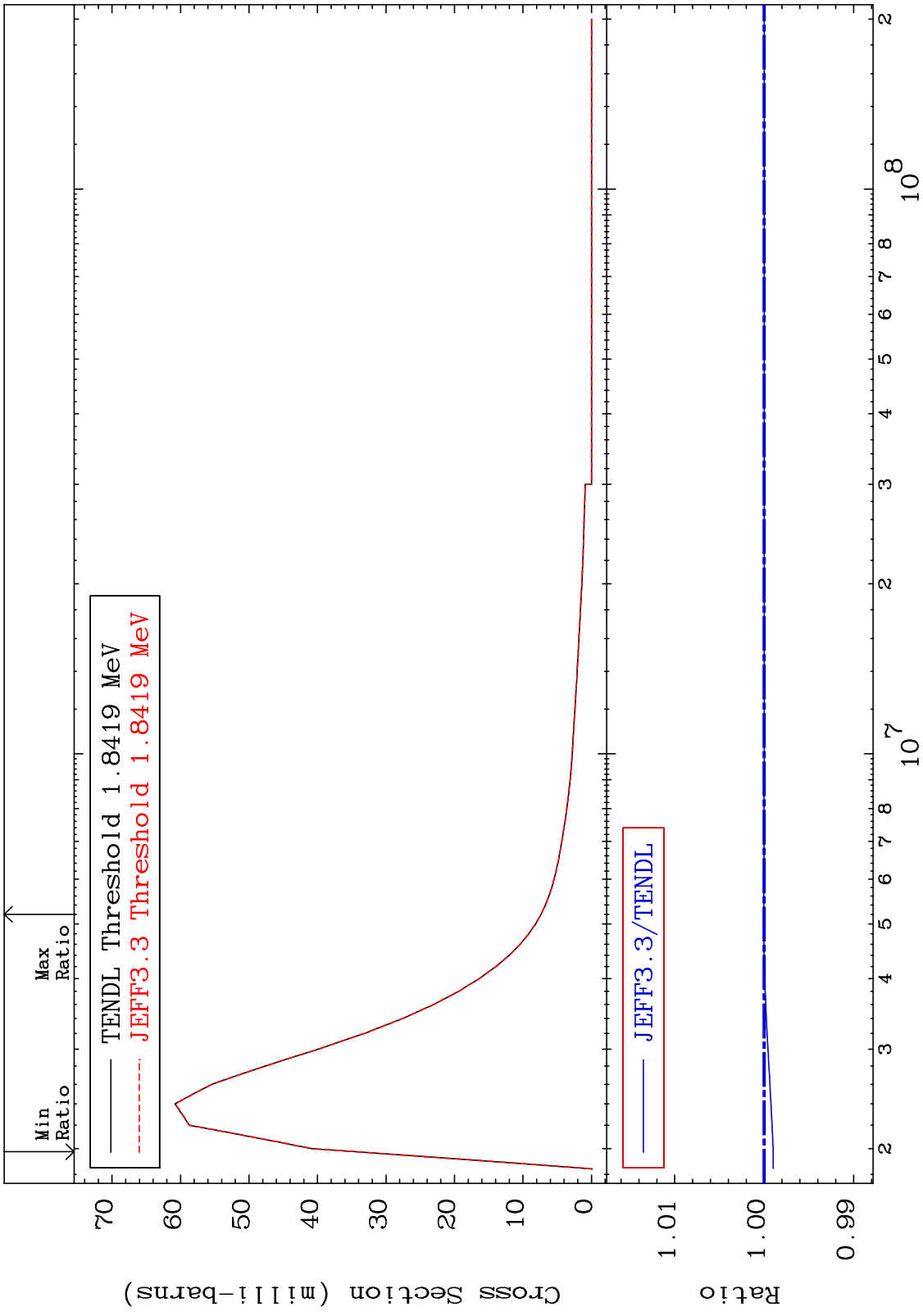


MAT 8031 MT= 62 (n,n') Level Cross Section 80-Hg-198  
 -0.399 To 0.007 %



80-Hg-198

MAT 8031 MT= 63 (n,n') Level Cross Section 80-Hg-198  
 -0.101 To 0.005 %

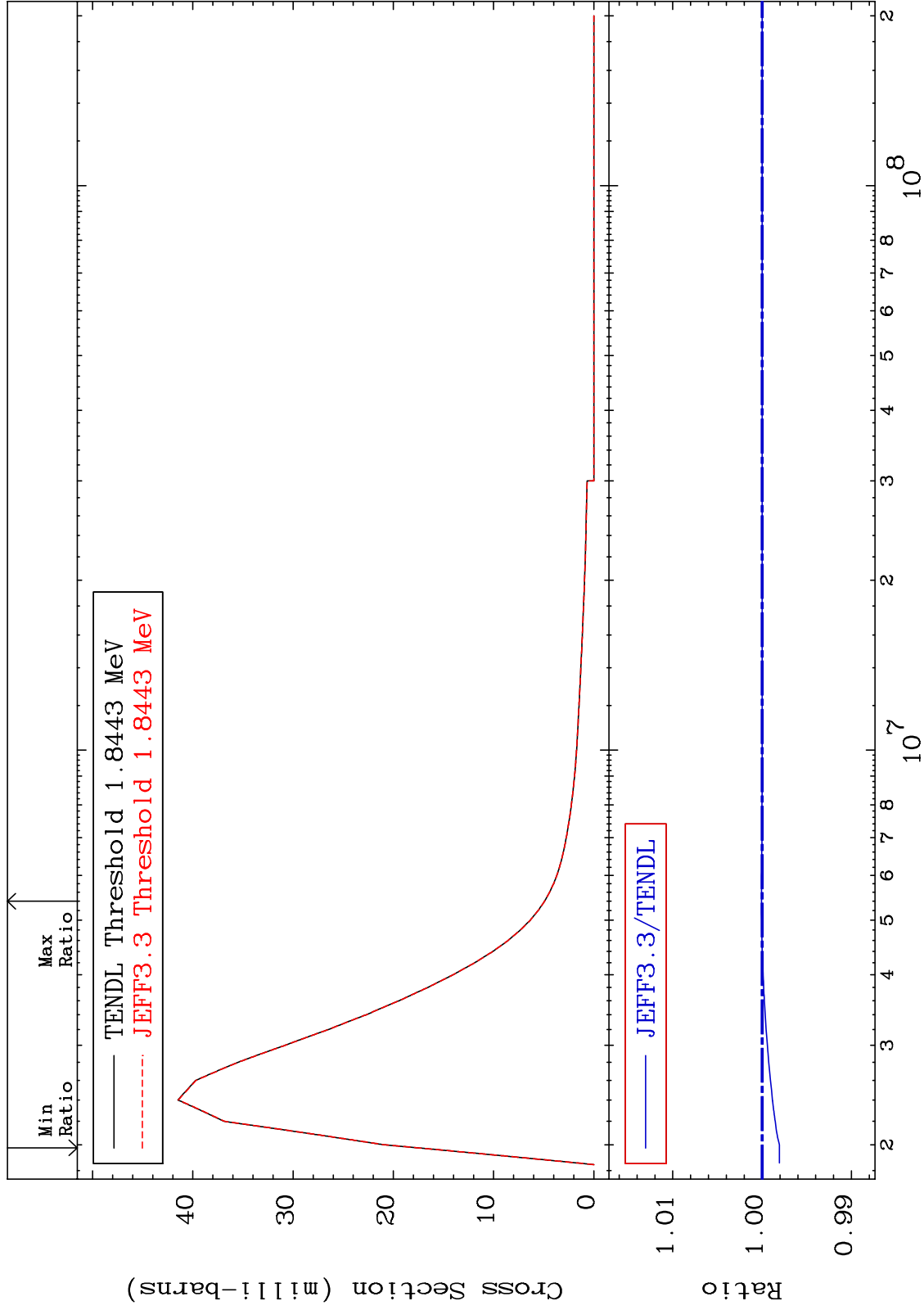




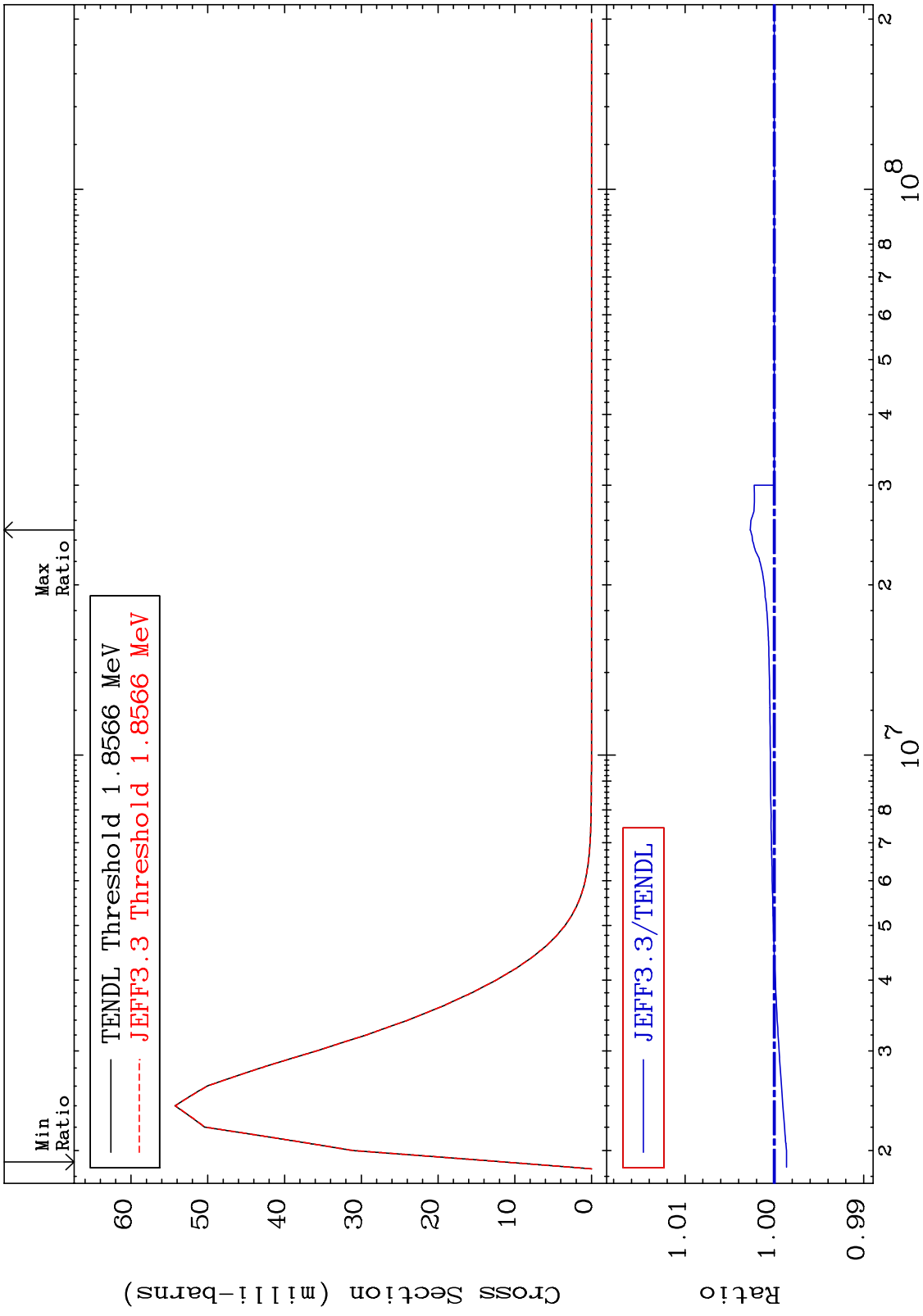
MAT 8031

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

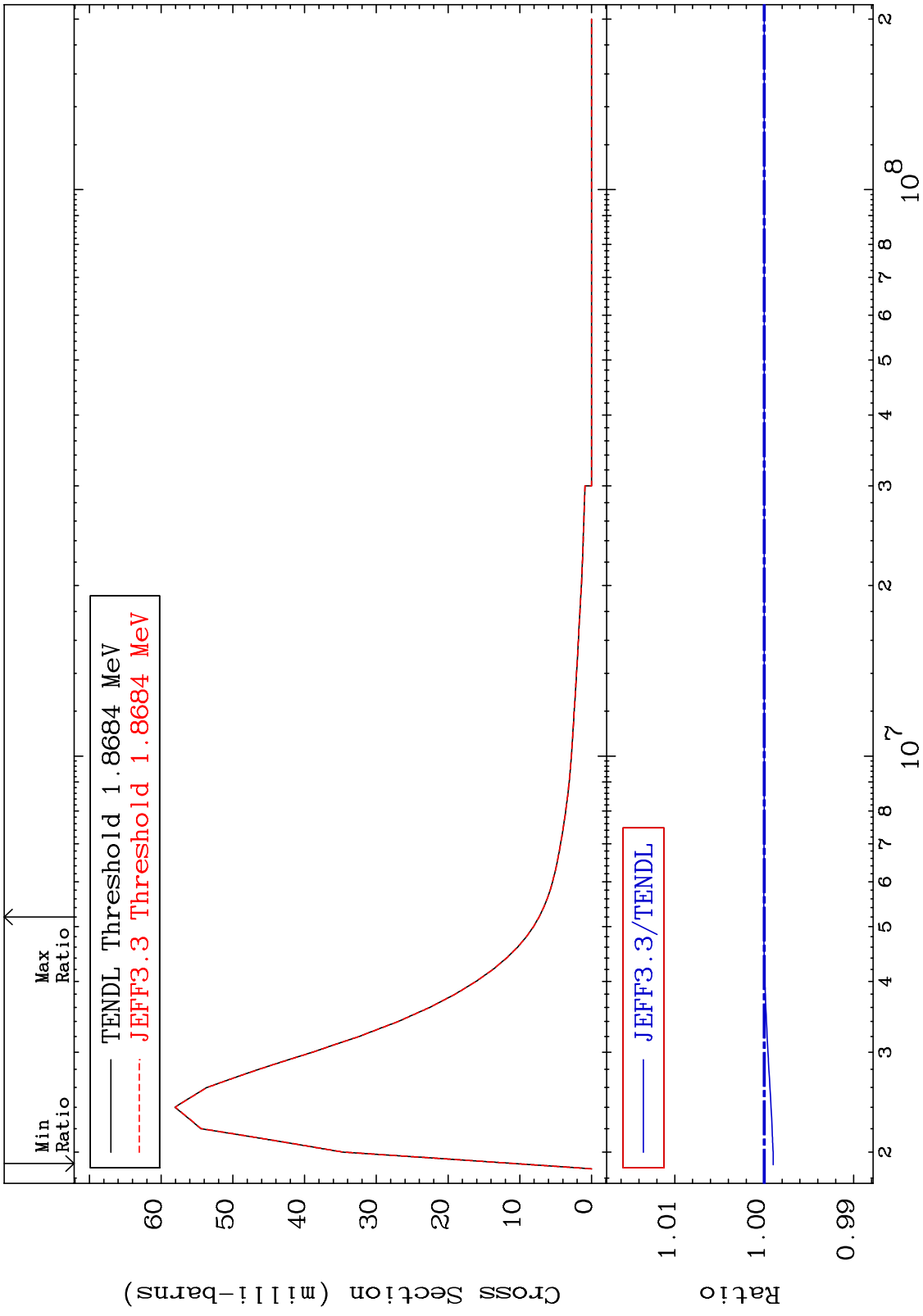
80-Hg-198  
-0.195 To 0.007 %



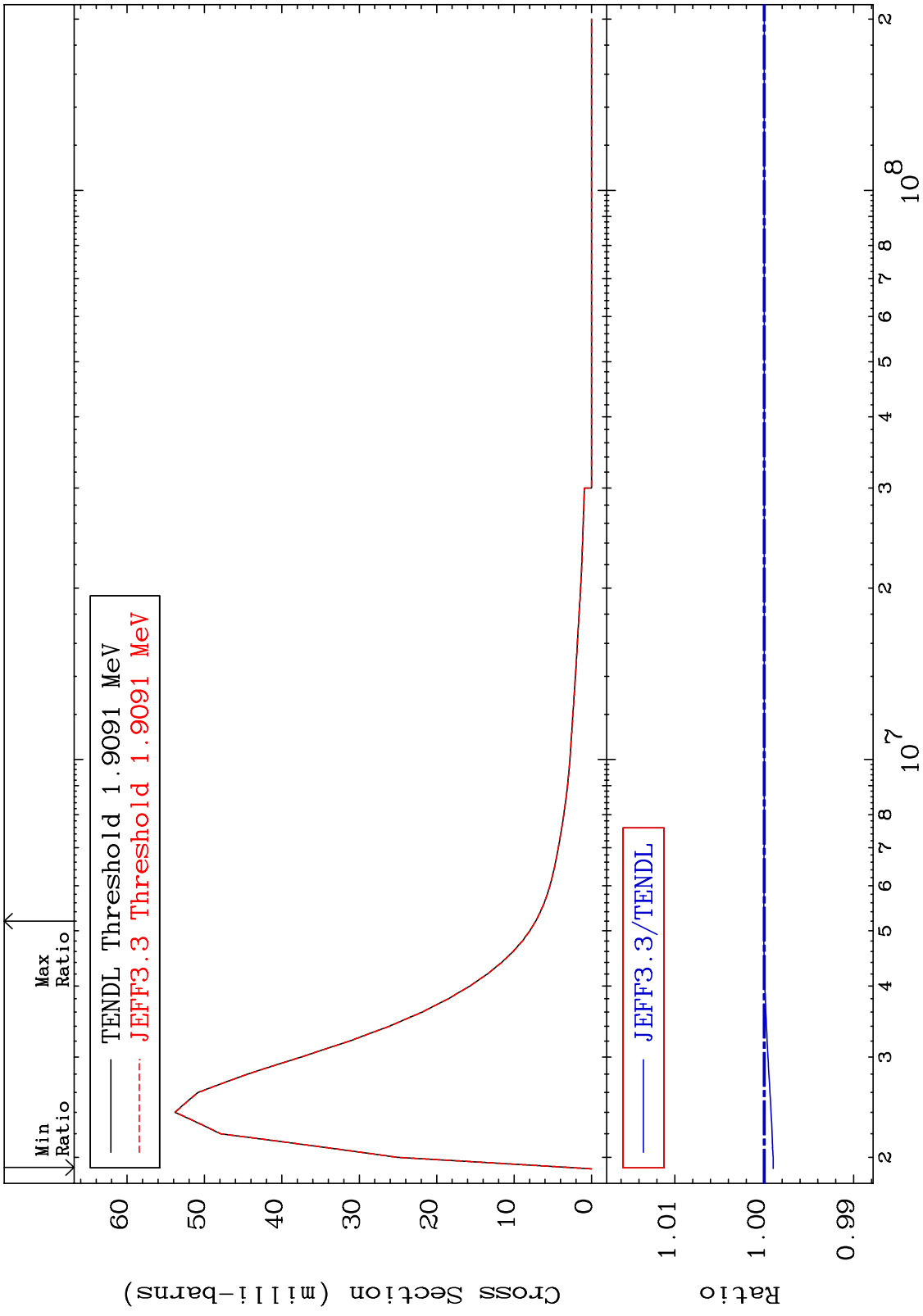
MAT 8031 MT= 65 (n,n') Level Cross Section 80-Hg-198  
 -0.137 To 0.269 %



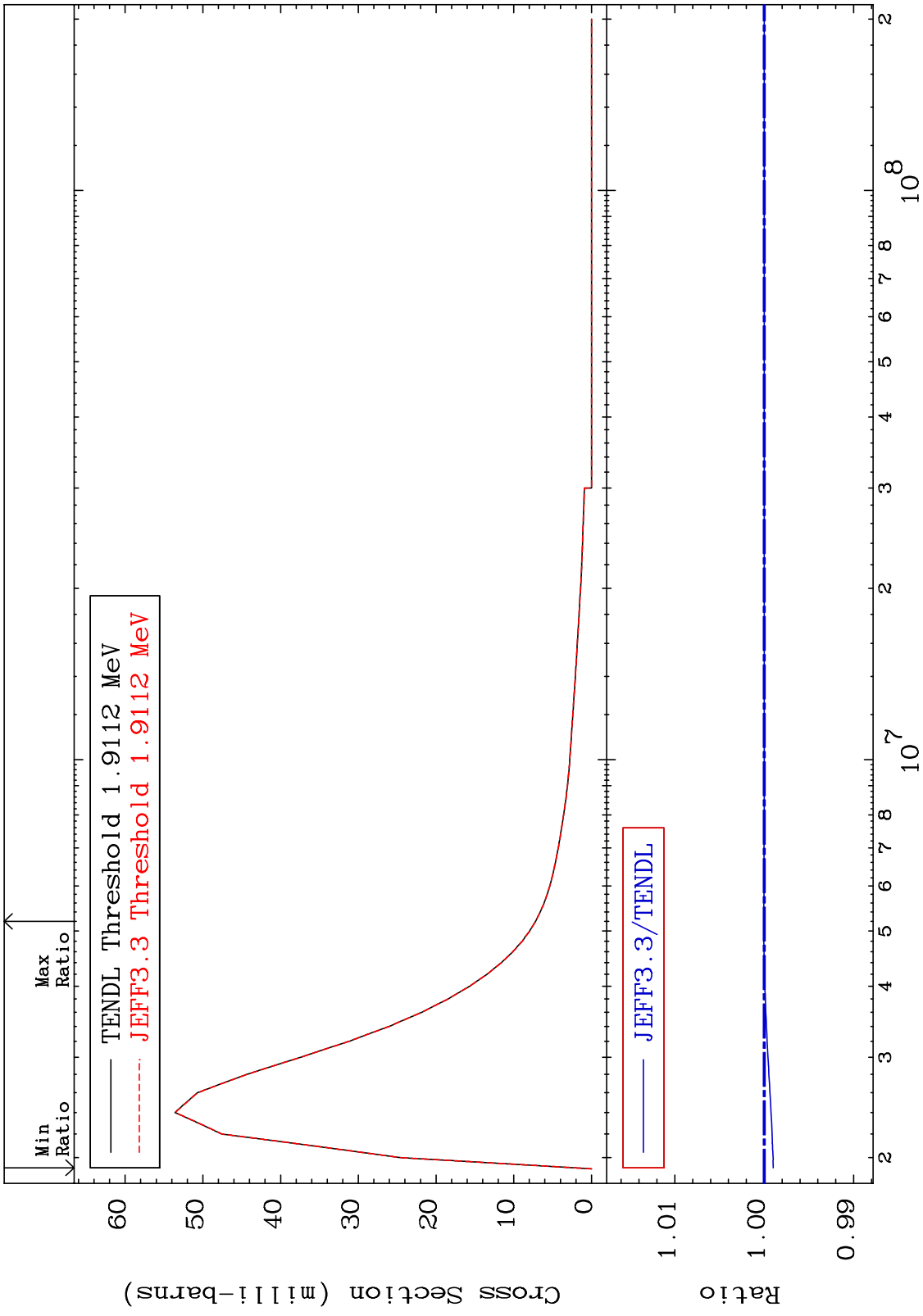
MAT 8031 MT= 66 (n,n') Level Cross Section 80-Hg-198  
 -0.100 To 0.005 %



MAT 8031 MT= 67 (n,n') Level Cross Section 80-Hg-198  
 -0.099 To 0.005 %



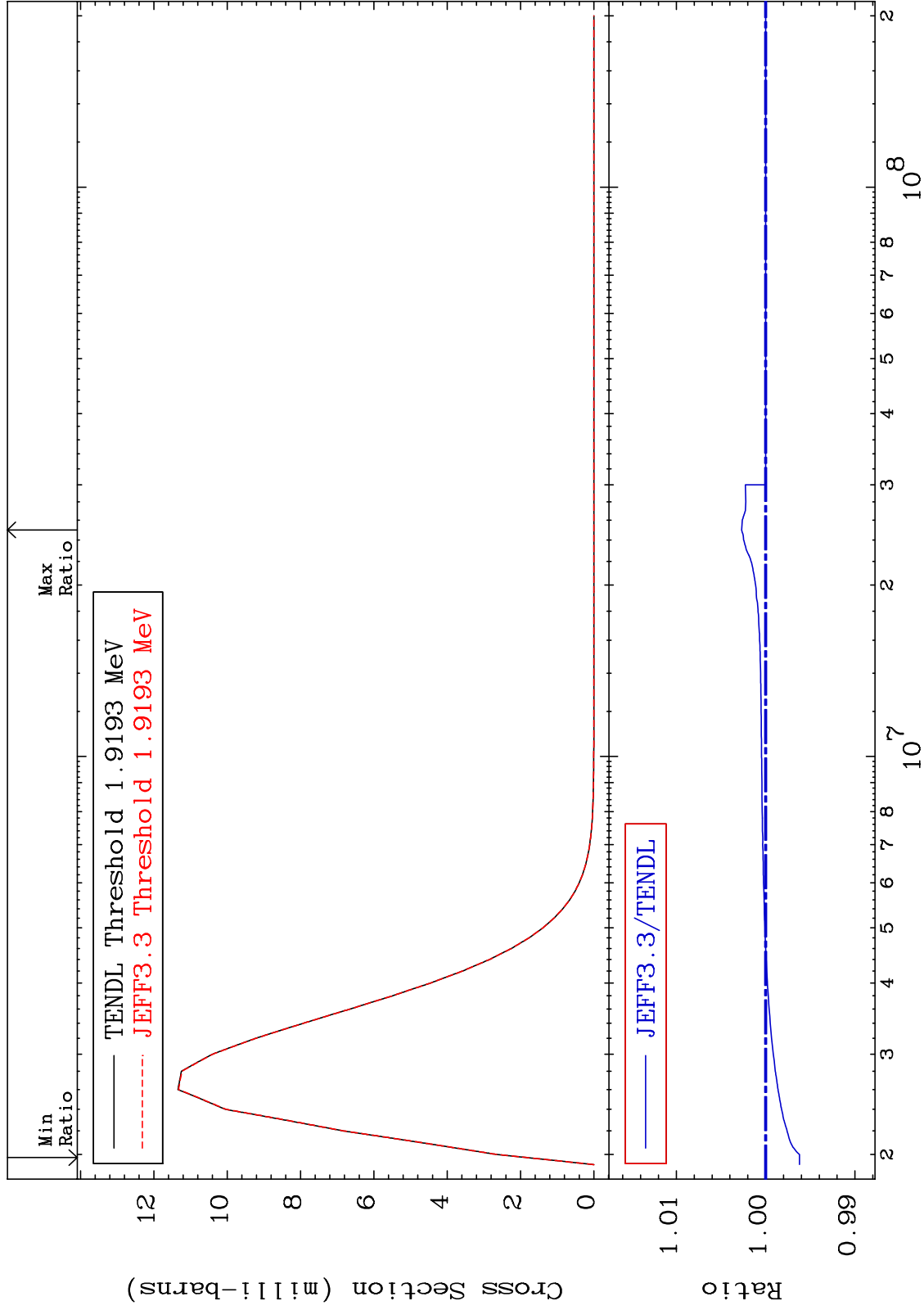
MAT 8031 MT= 68 (n,n') Level Cross Section 80-Hg-198  
 -0.099 To 0.005 %



MAT 8031

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

80-Hg-198  
-0.378 To 0.269 %



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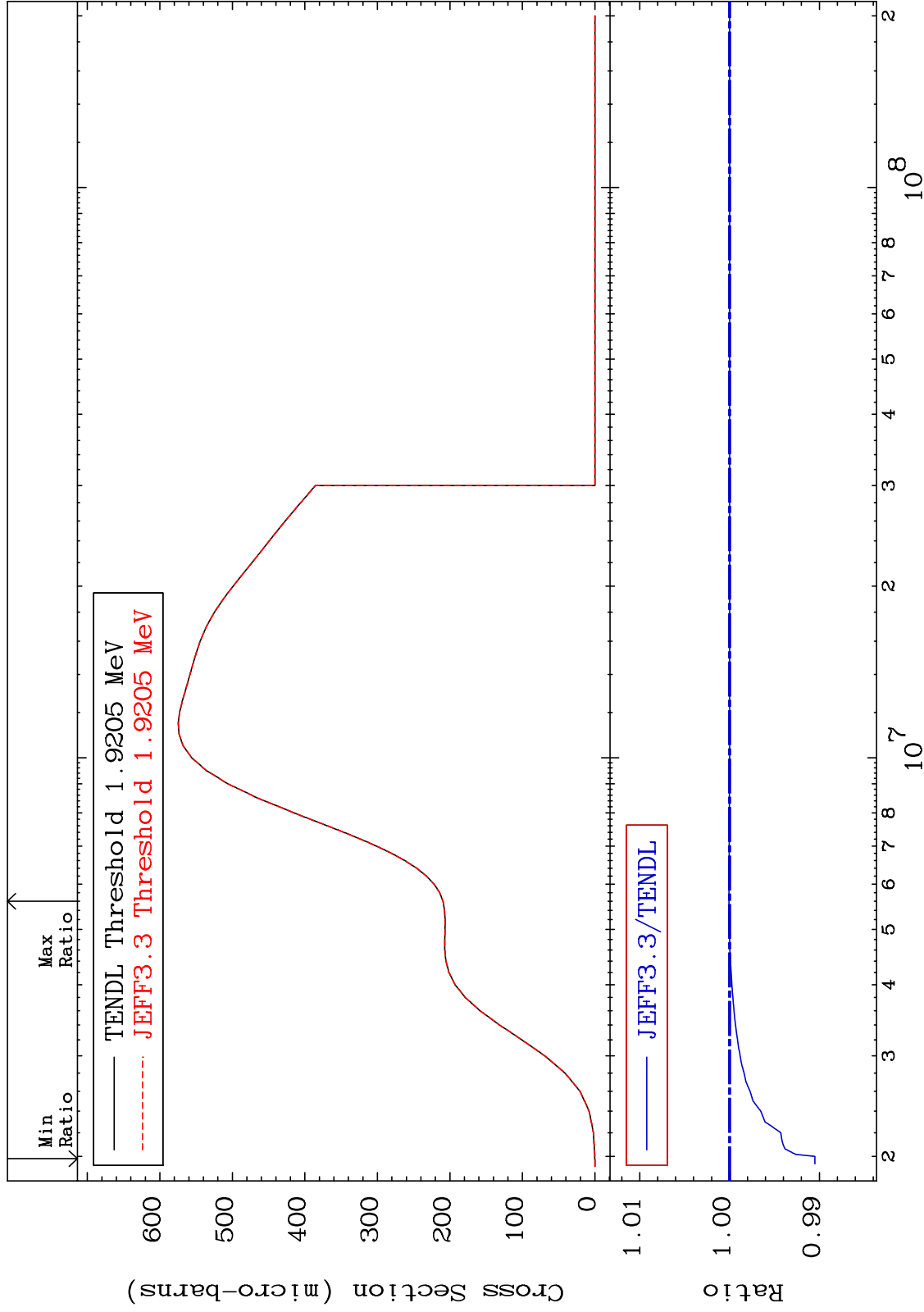
Incident Energy (eV)

80-Hg-198

MAT 8031

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

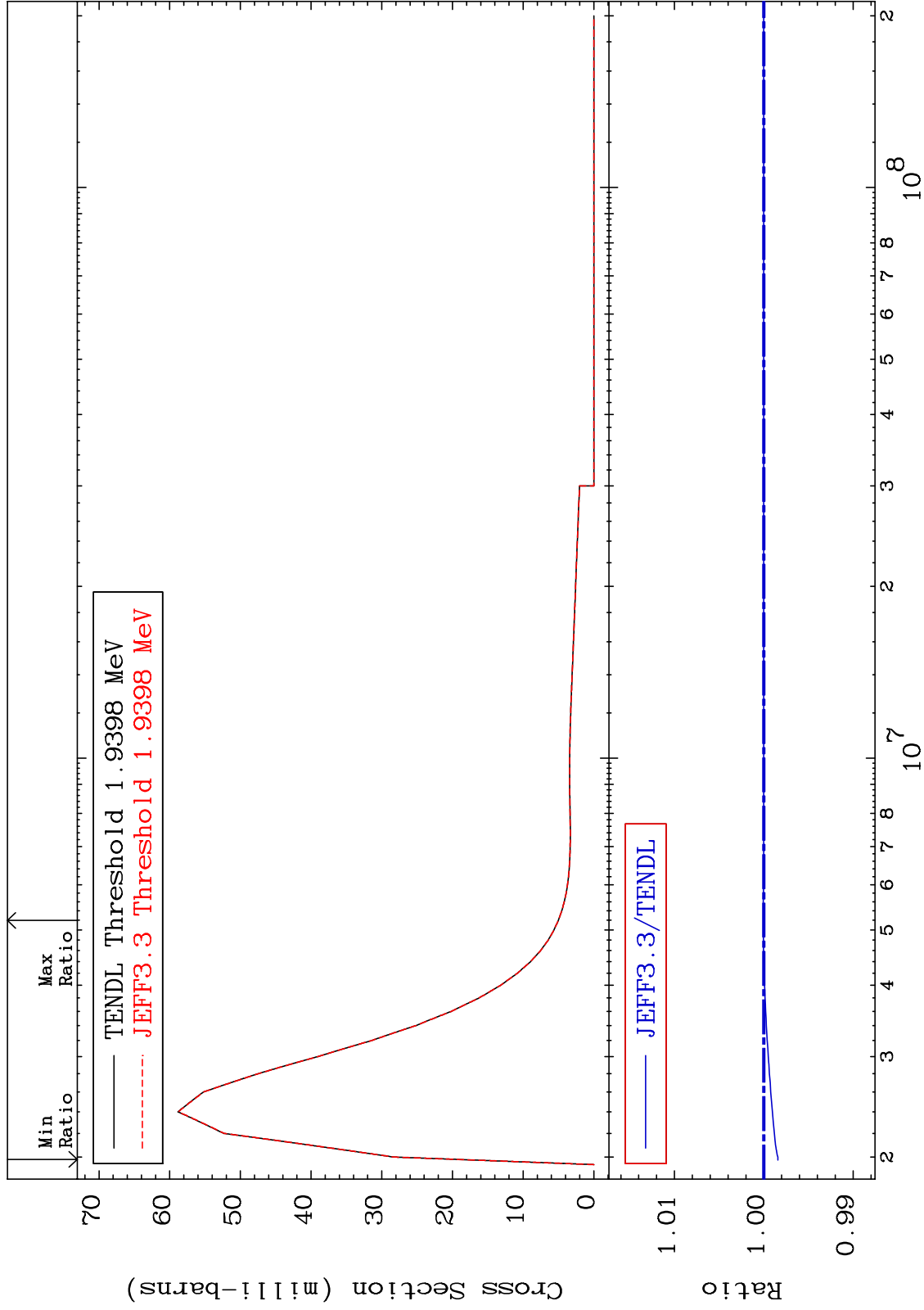
80-Hg-198  
-0.949 To 0.007 %



MAT 8031

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

80-Hg-198  
-0.157 To 0.006 %

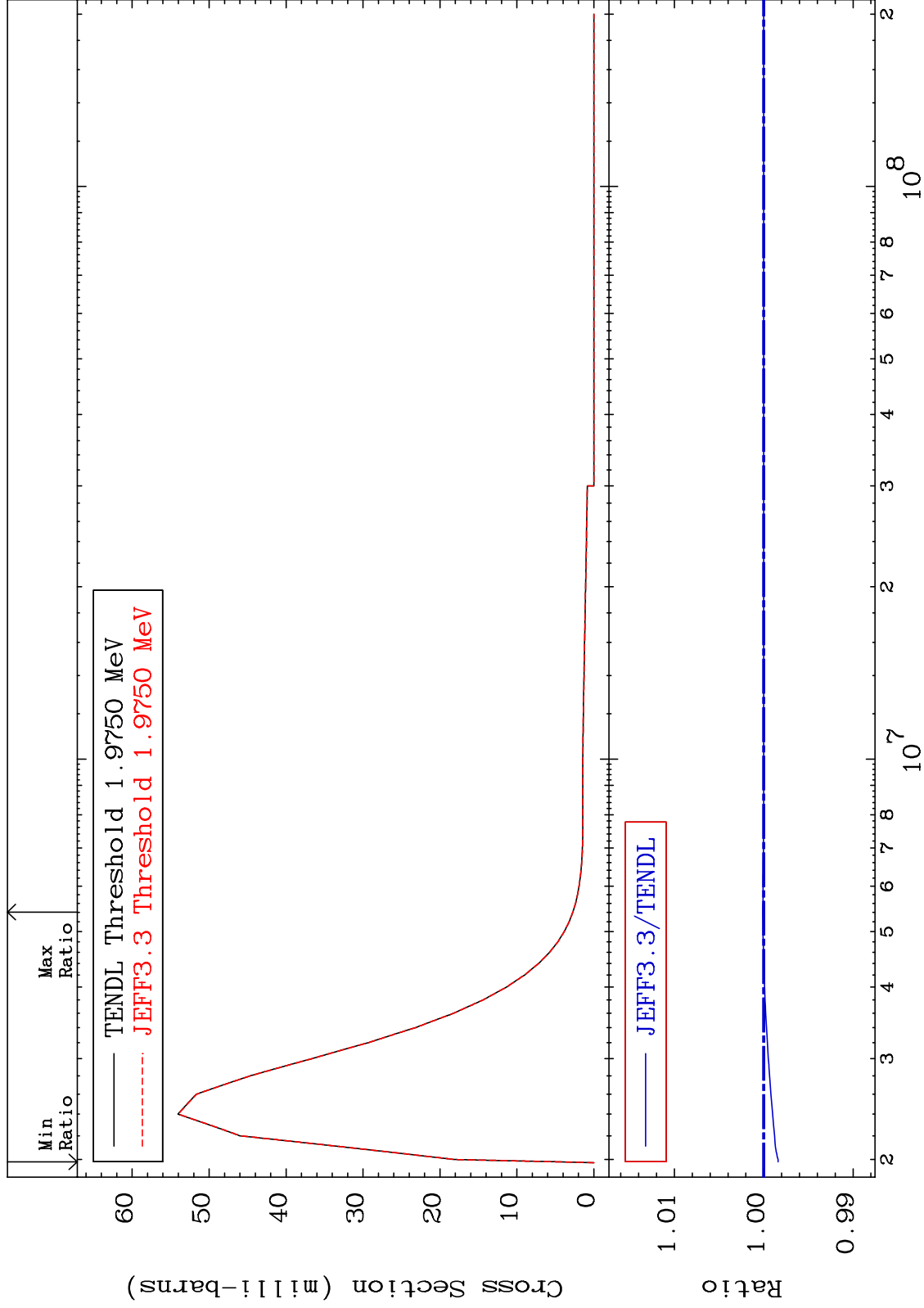




MAT 8031

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

80-Hg-198  
-0.161 To 0.010 %

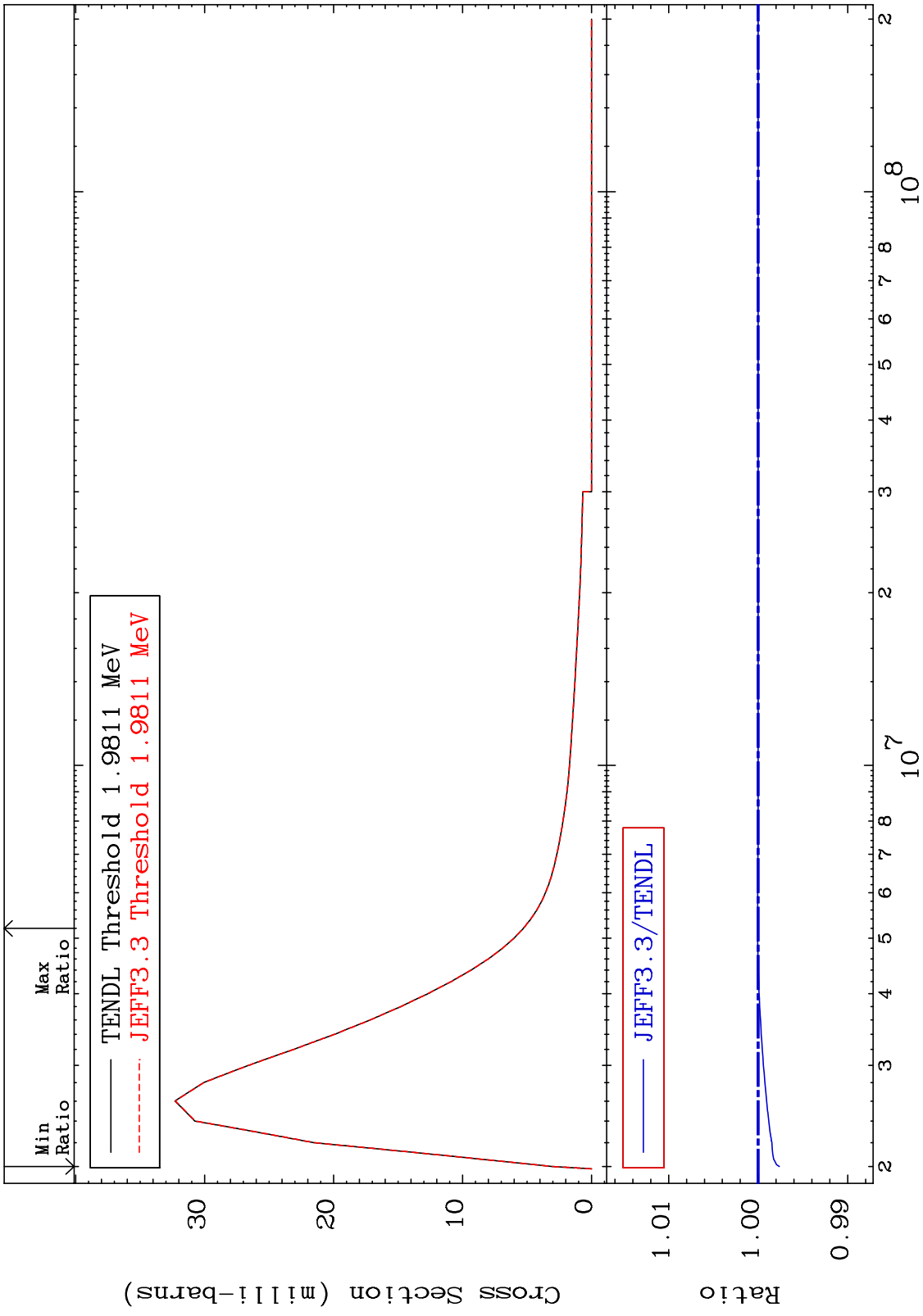


40

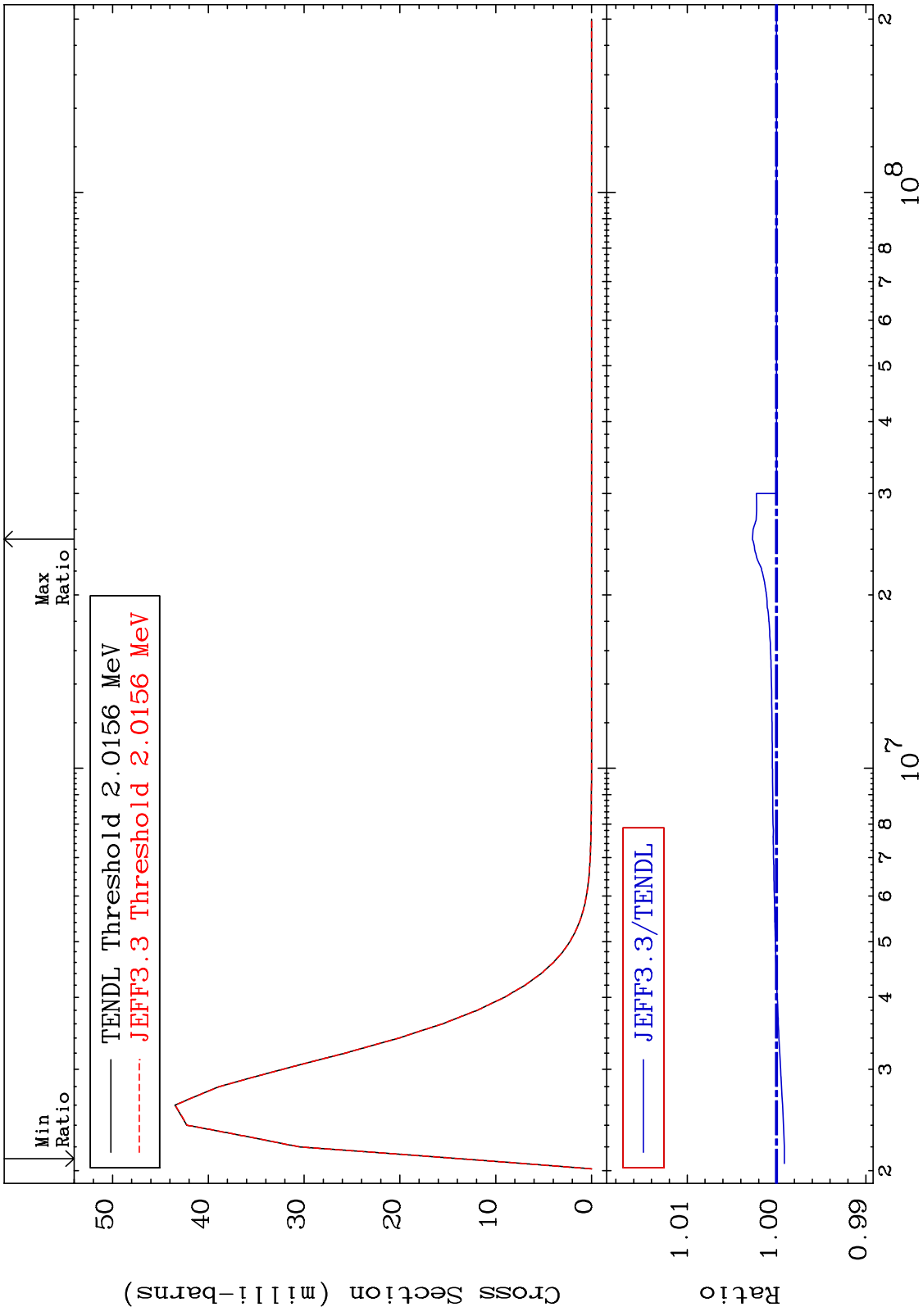
Incident Energy (eV)

80-Hg-198

MAT 8031 MT= 73 (n,n') Level Cross Section 80-Hg-198  
 -0.236 To 0.006 %



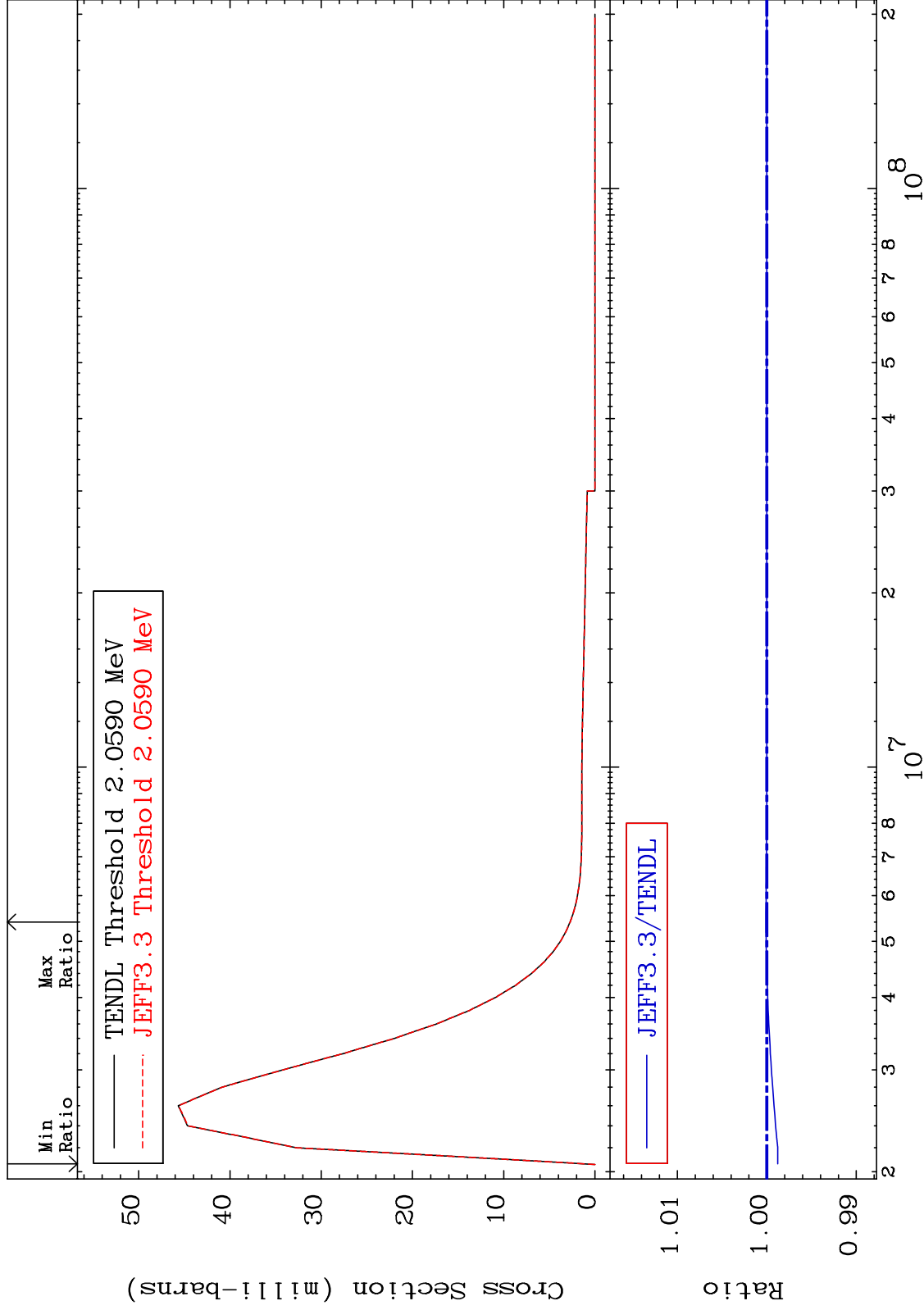
MAT 8031 MT= 74 (n, n') Level Cross Section -0.089 To 0.270 % 80-Hg-198



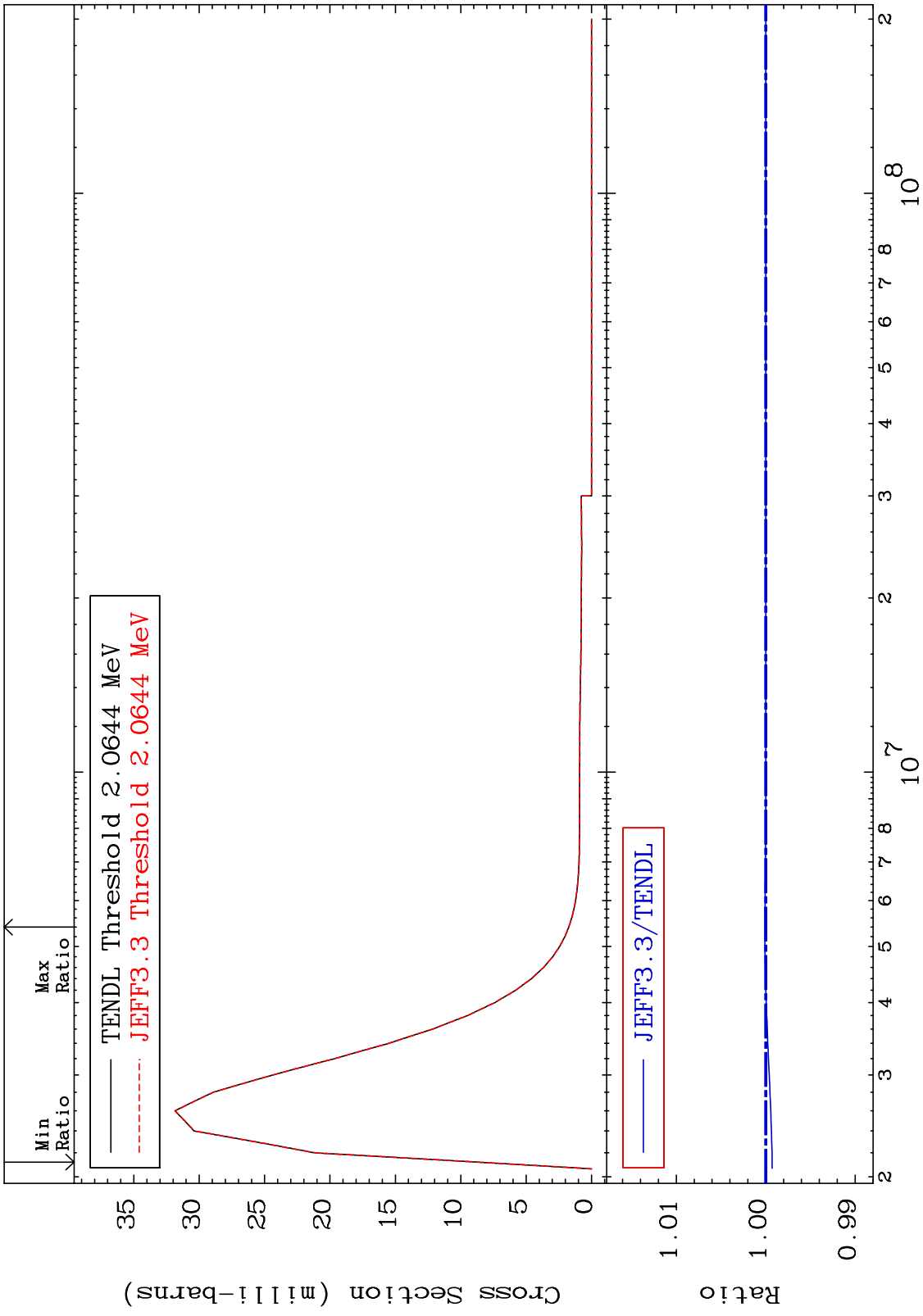
MAT 8031

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

80-Hg-198  
-0.122 To 0.010 %



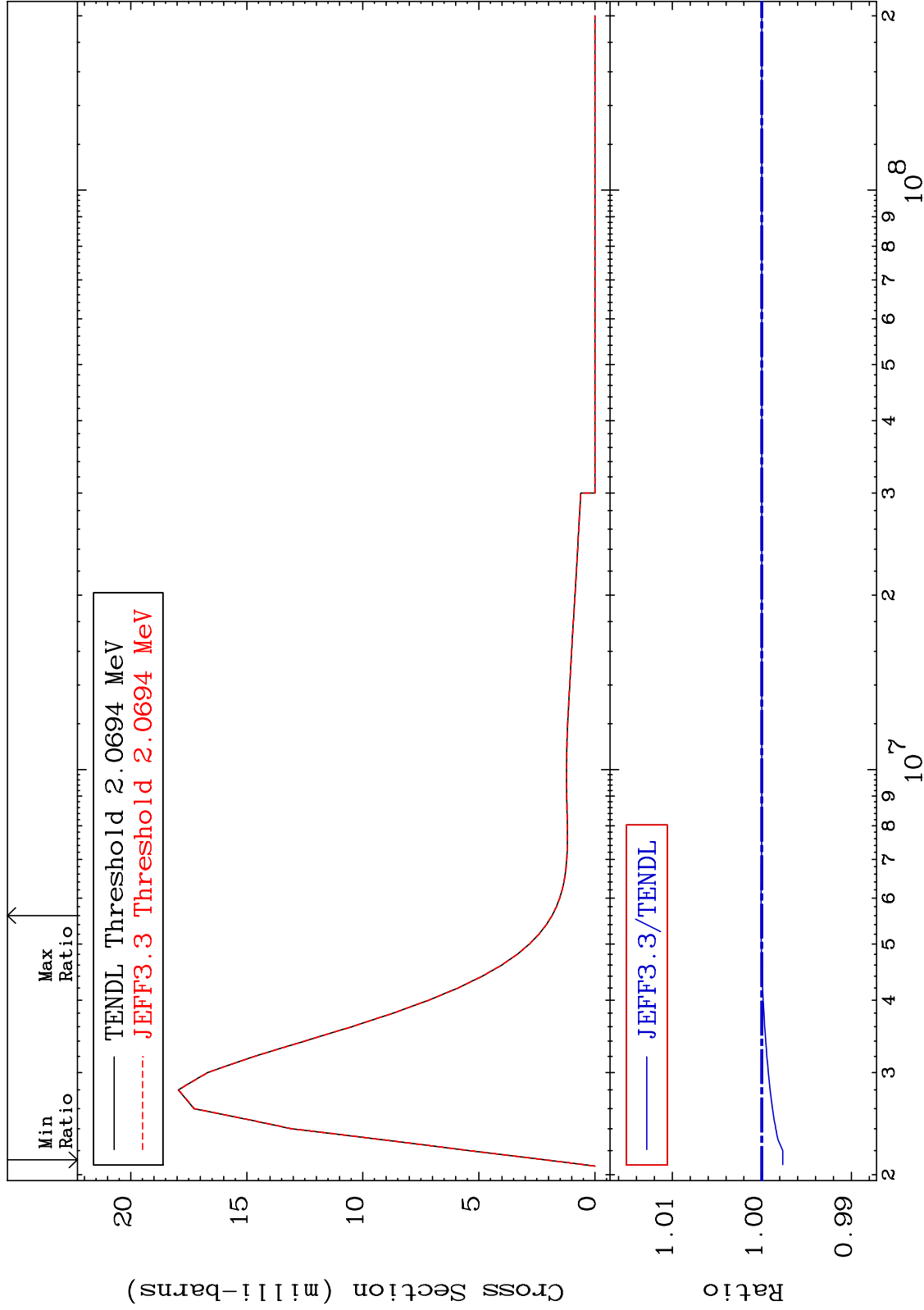
MAT 8031 MT= 76 (n,n') Level Cross Section 80-Hg-198  
 -0.071 To 0.010 %



MAT 8031

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

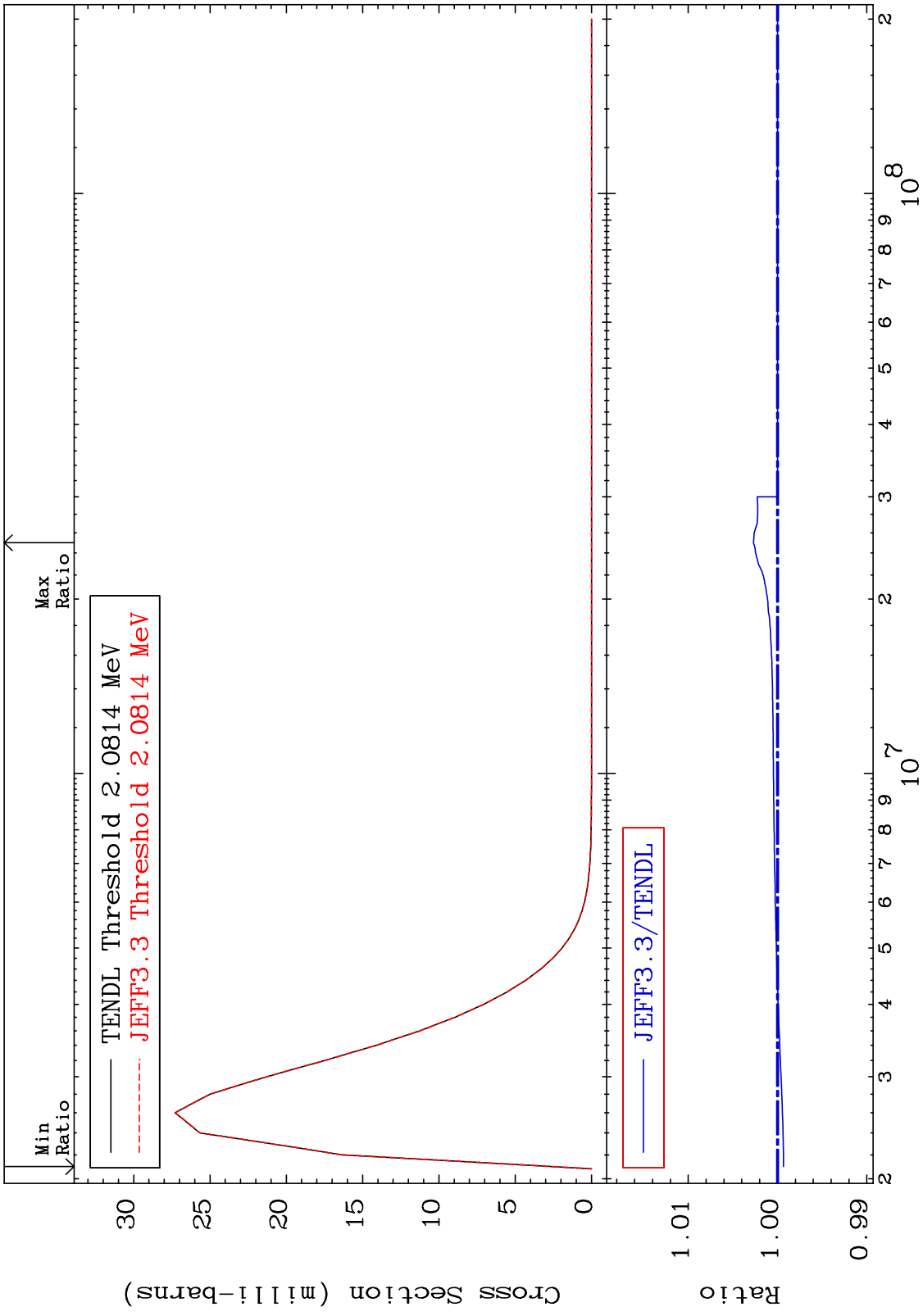
80-Hg-198  
-0.233 To 0.009 %



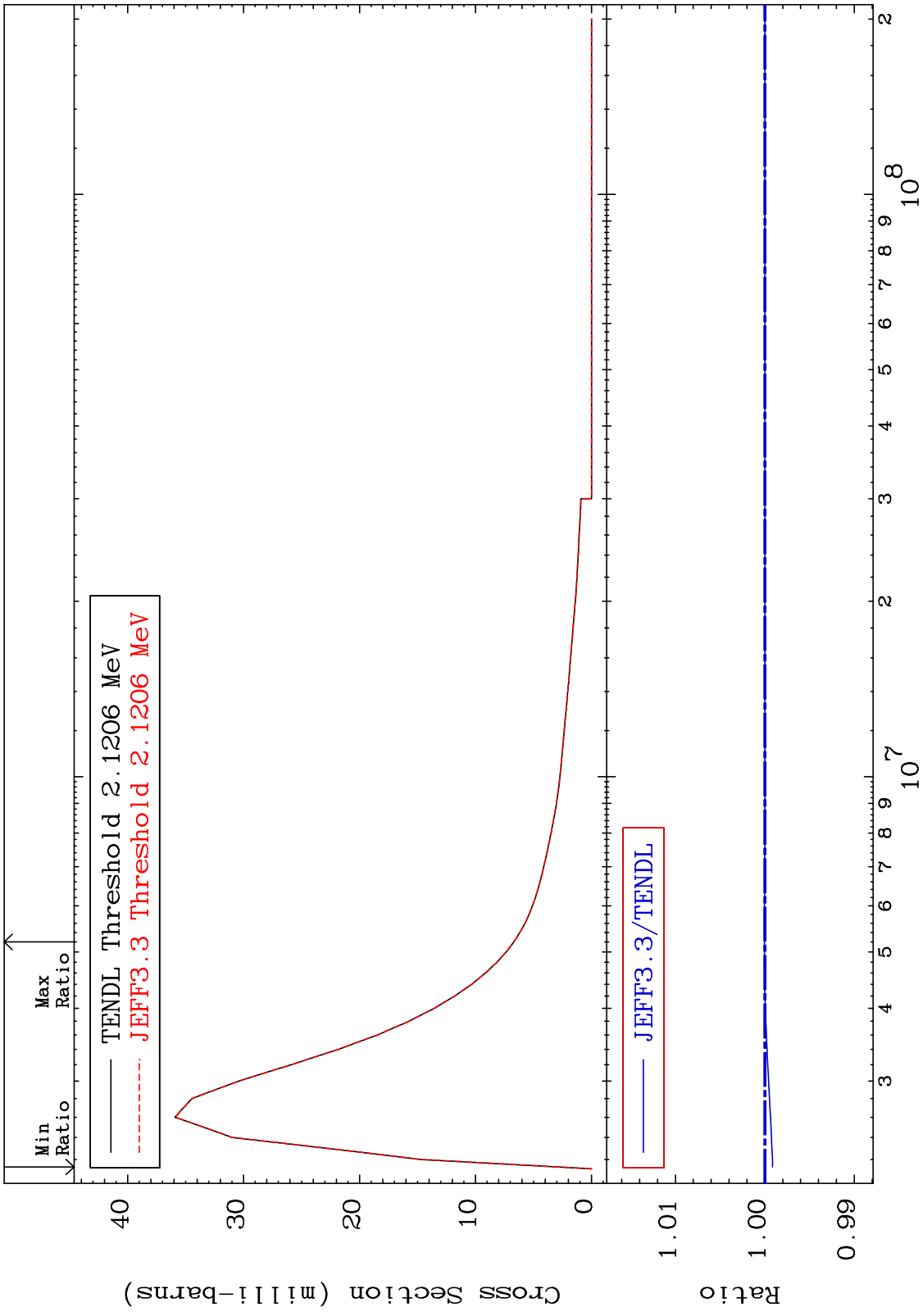
45

80-Hg-198

MAT 8031 MT= 78 (n,n') Level Cross Section 80-Hg-198  
 -0.065 To 0.269 %



MAT 8031 MT= 79 (n,n') Level Cross Section 80-Hg-198  
 -0.086 To 0.005 %

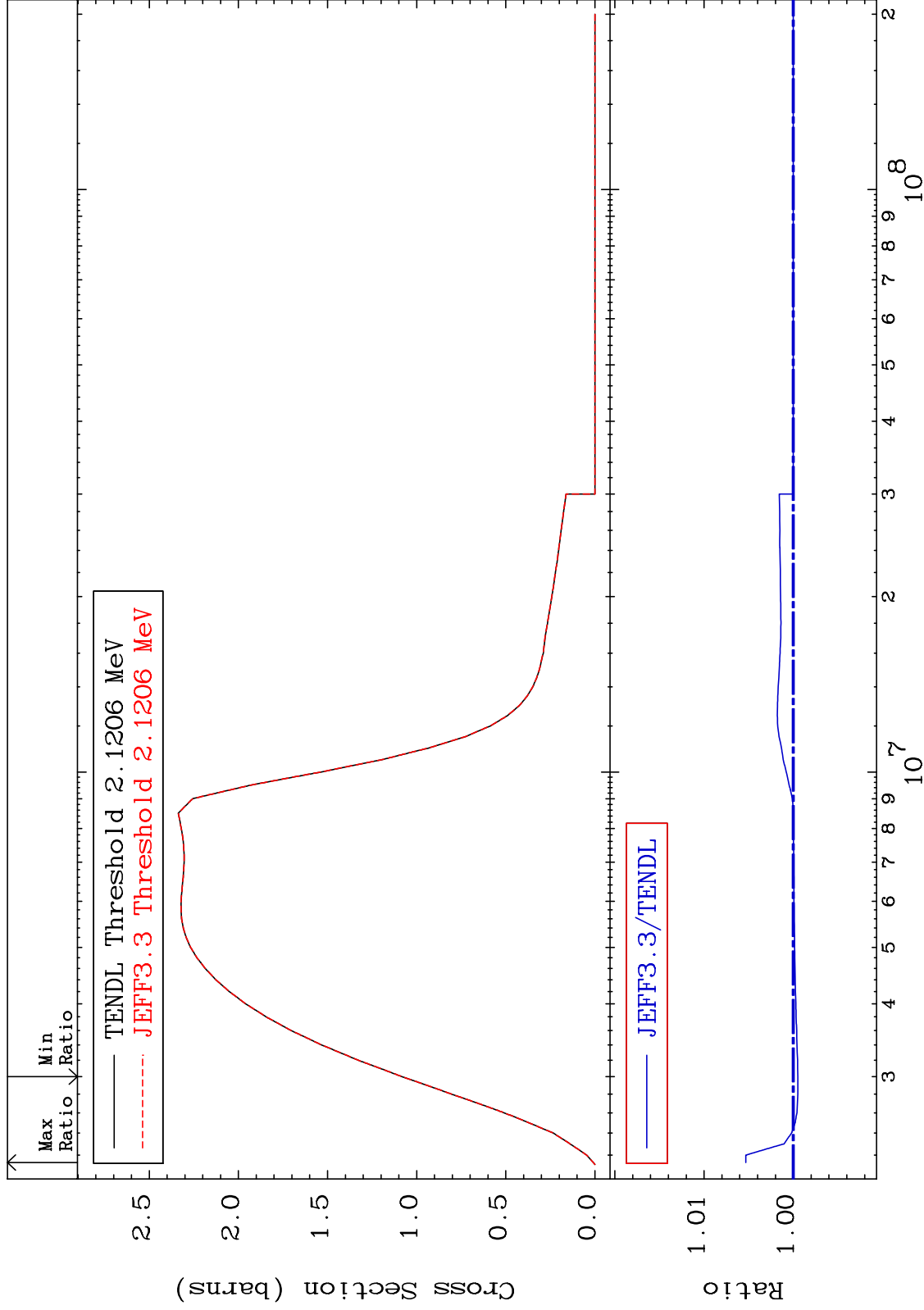




MAT 8031

(n, n') Continuum  
Cross Section

80-Hg-198  
-0.052 To 0.532 %



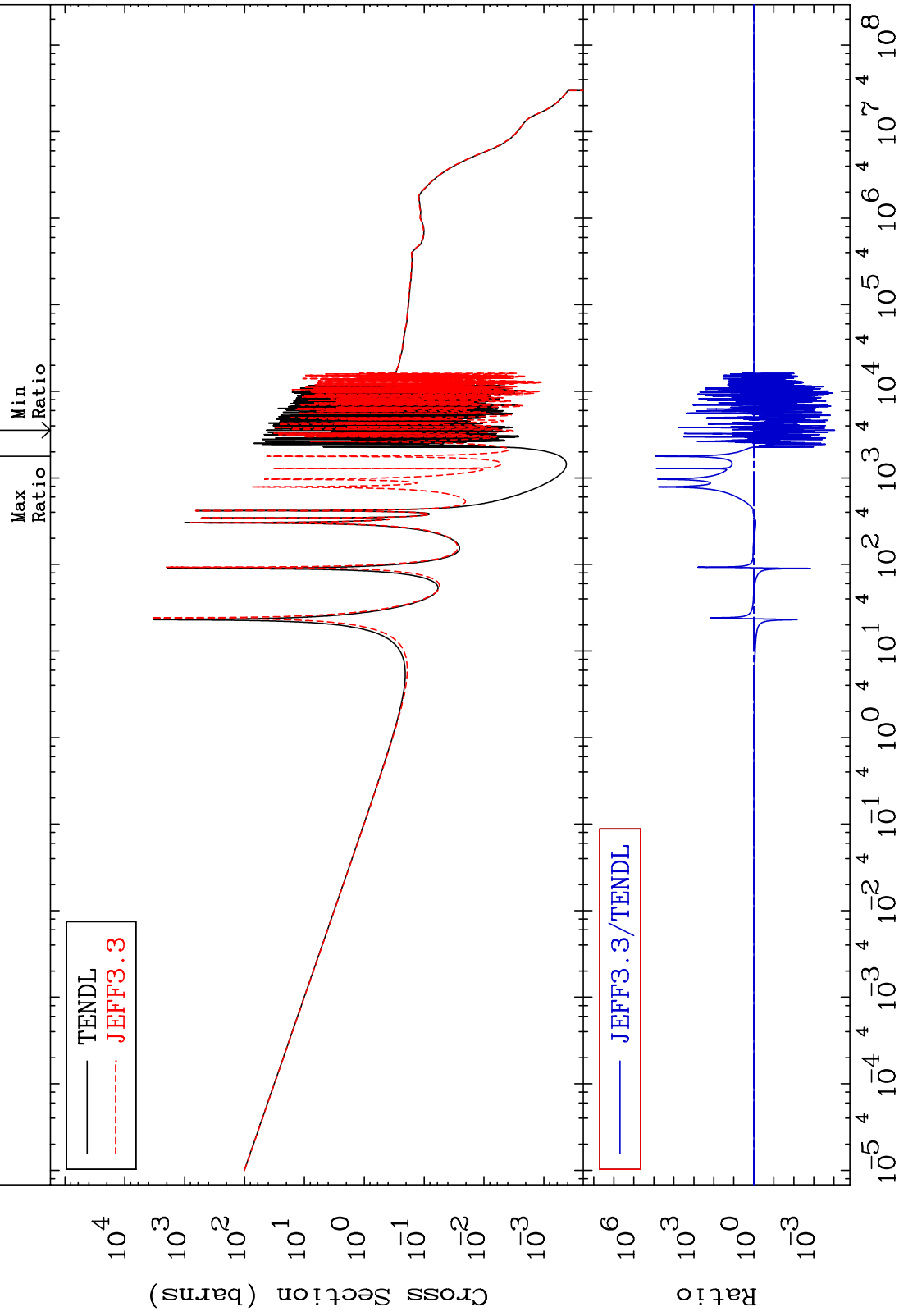
MAT 8031

(n,  $\gamma$ )

80-Hg-198

-99.99 To 9999. %

Cross Section



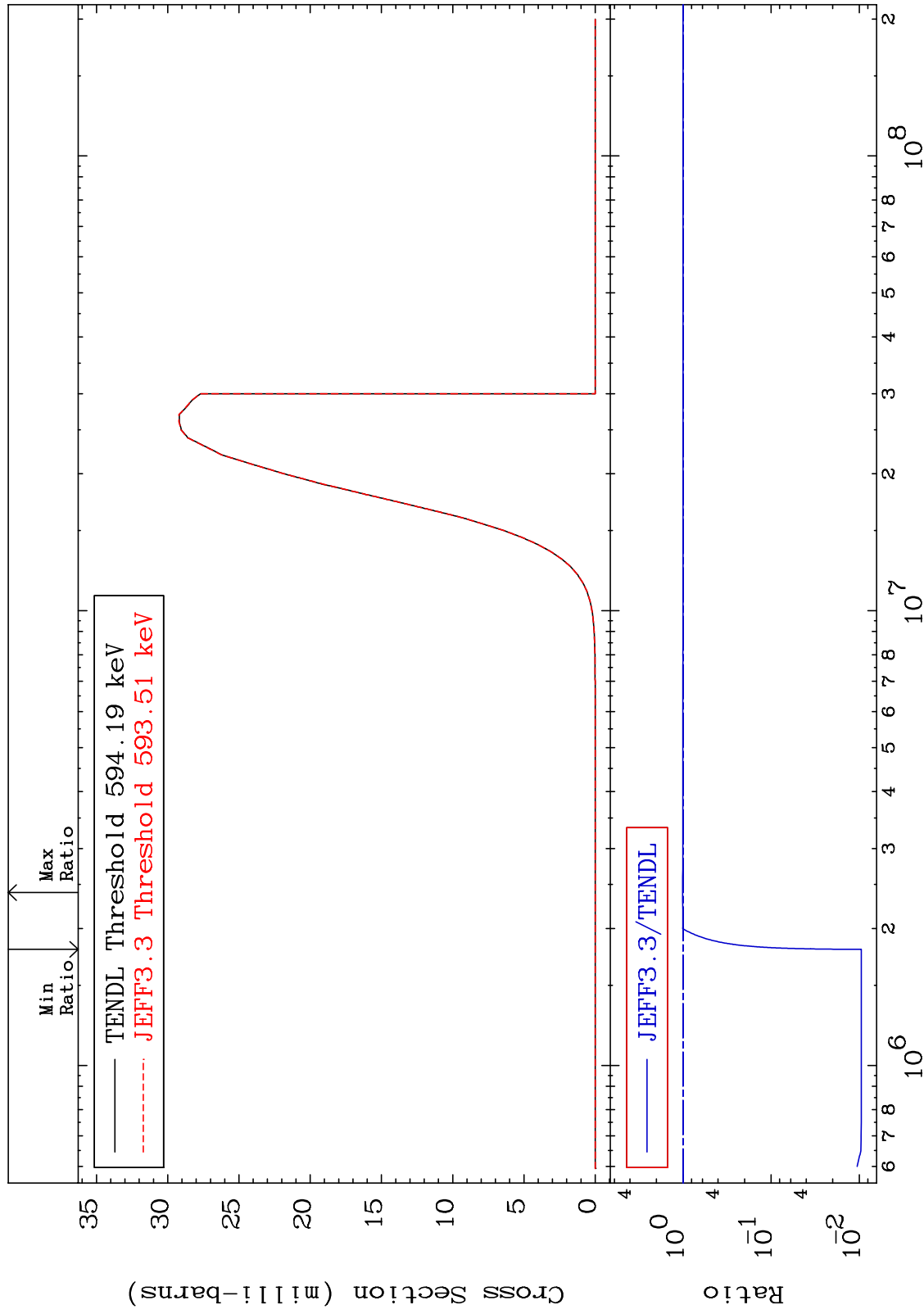
MAT 8031

(n,p)

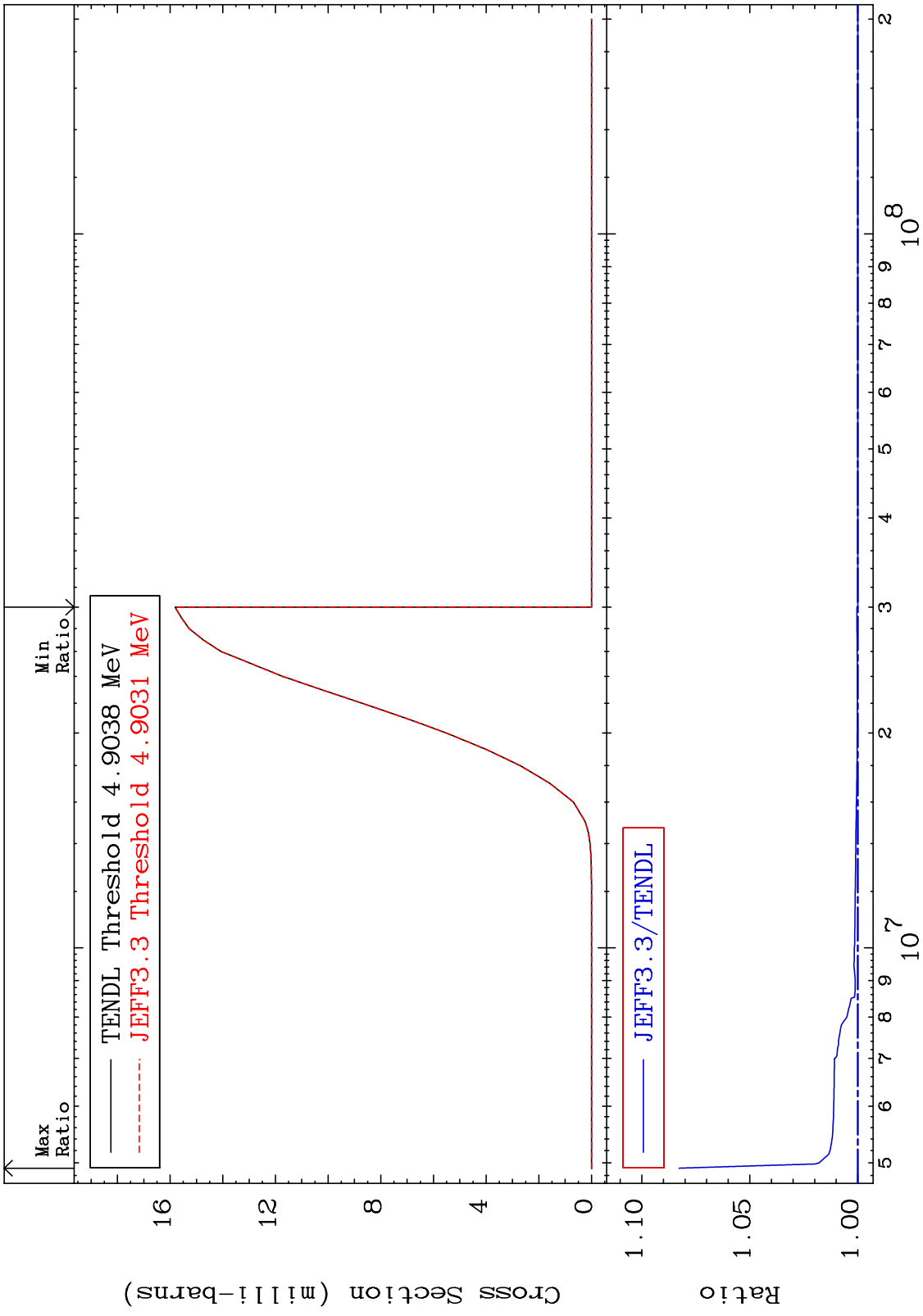
80-Hg-198

Cross Section

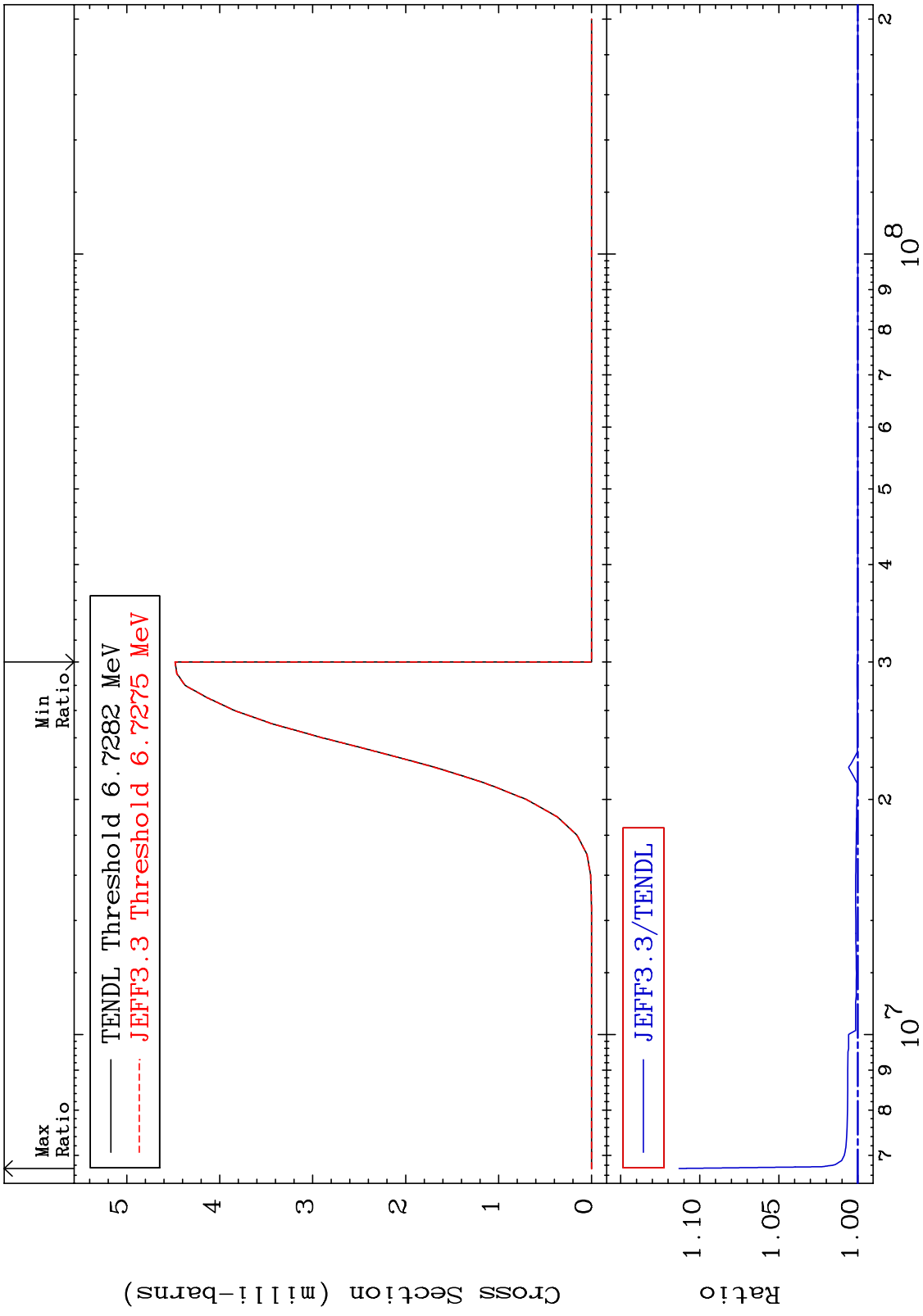
-99.05 To 0.876 %



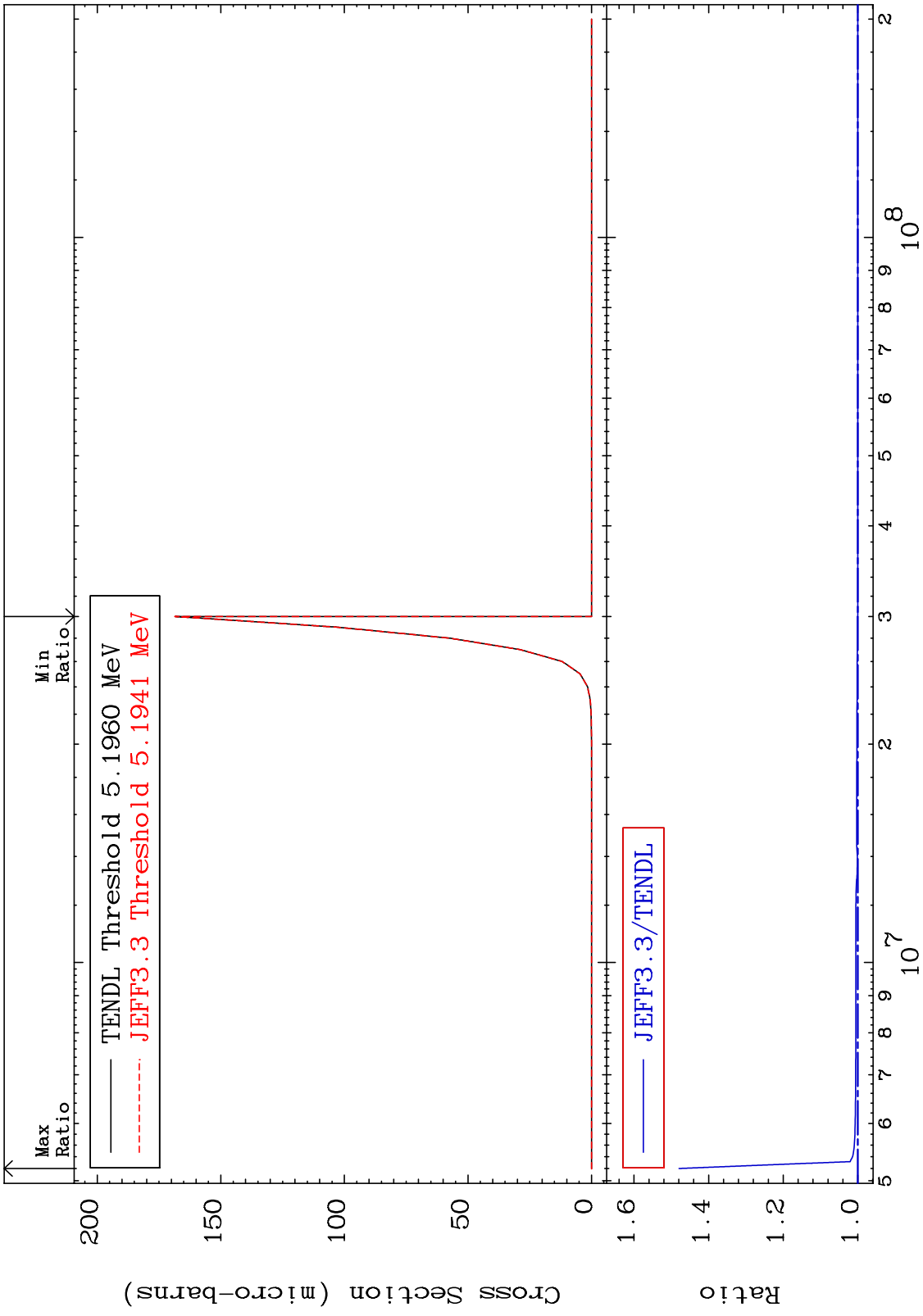
MAT 8031 (n,d) Cross Section 80-Hg-198 To 8.276 %



MAT 8031 (n,t) Cross Section 80-Hg-198 To 11.31 %



MAT 8031 (n, He-3) Cross Section 80-Hg-198 To 47.93 %



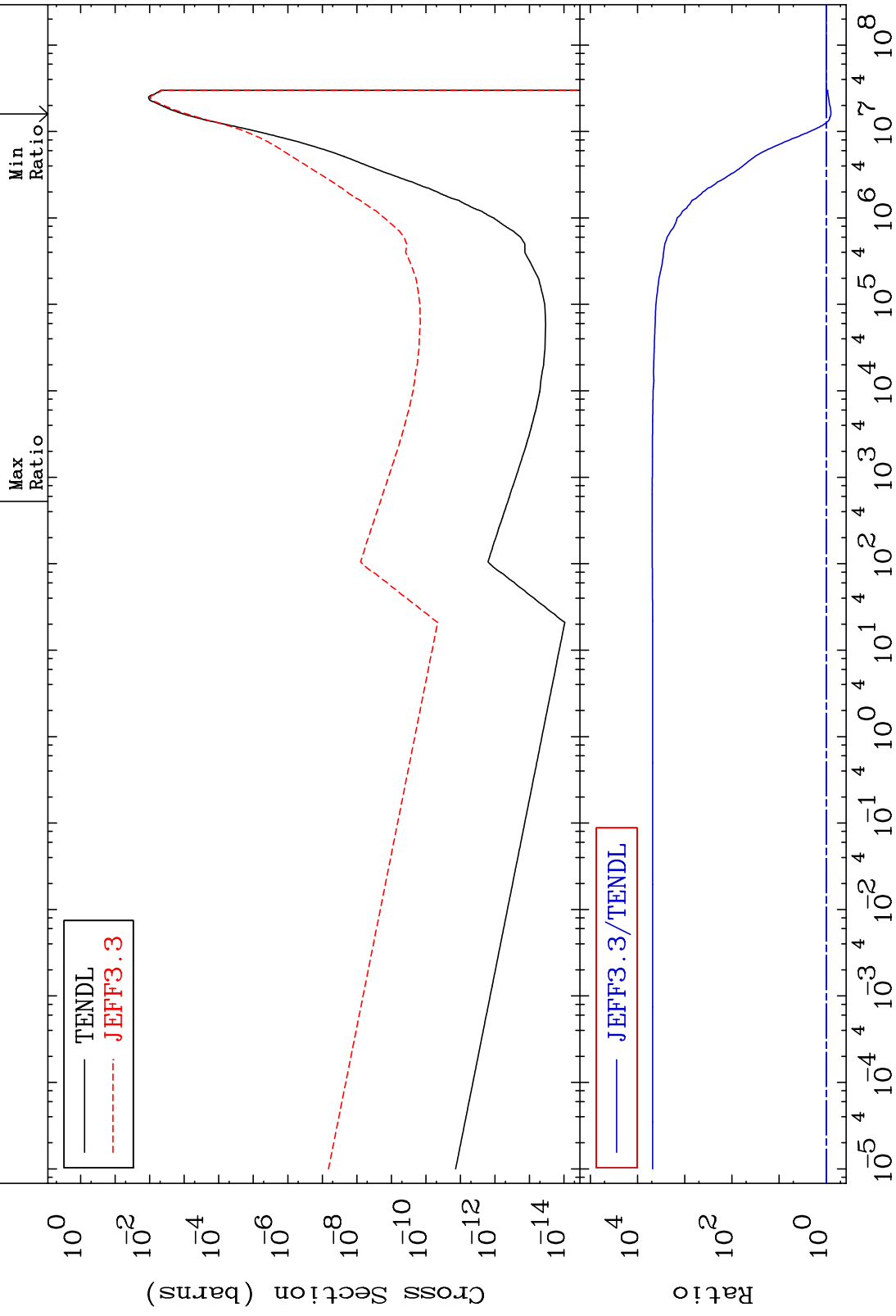
MAT 8031

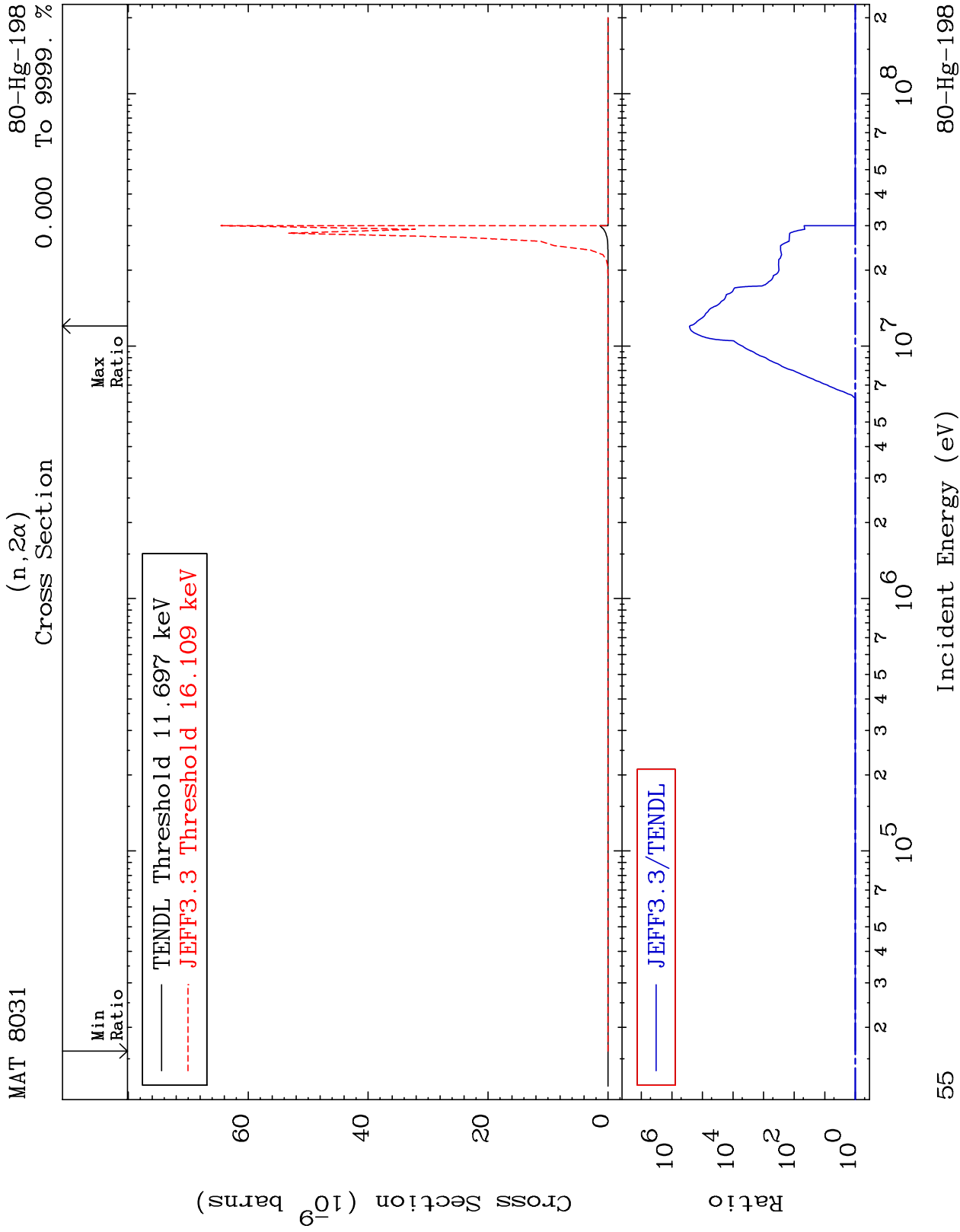
(n,  $\alpha$ )

80-Hg-198

-19.95 To 9999. %

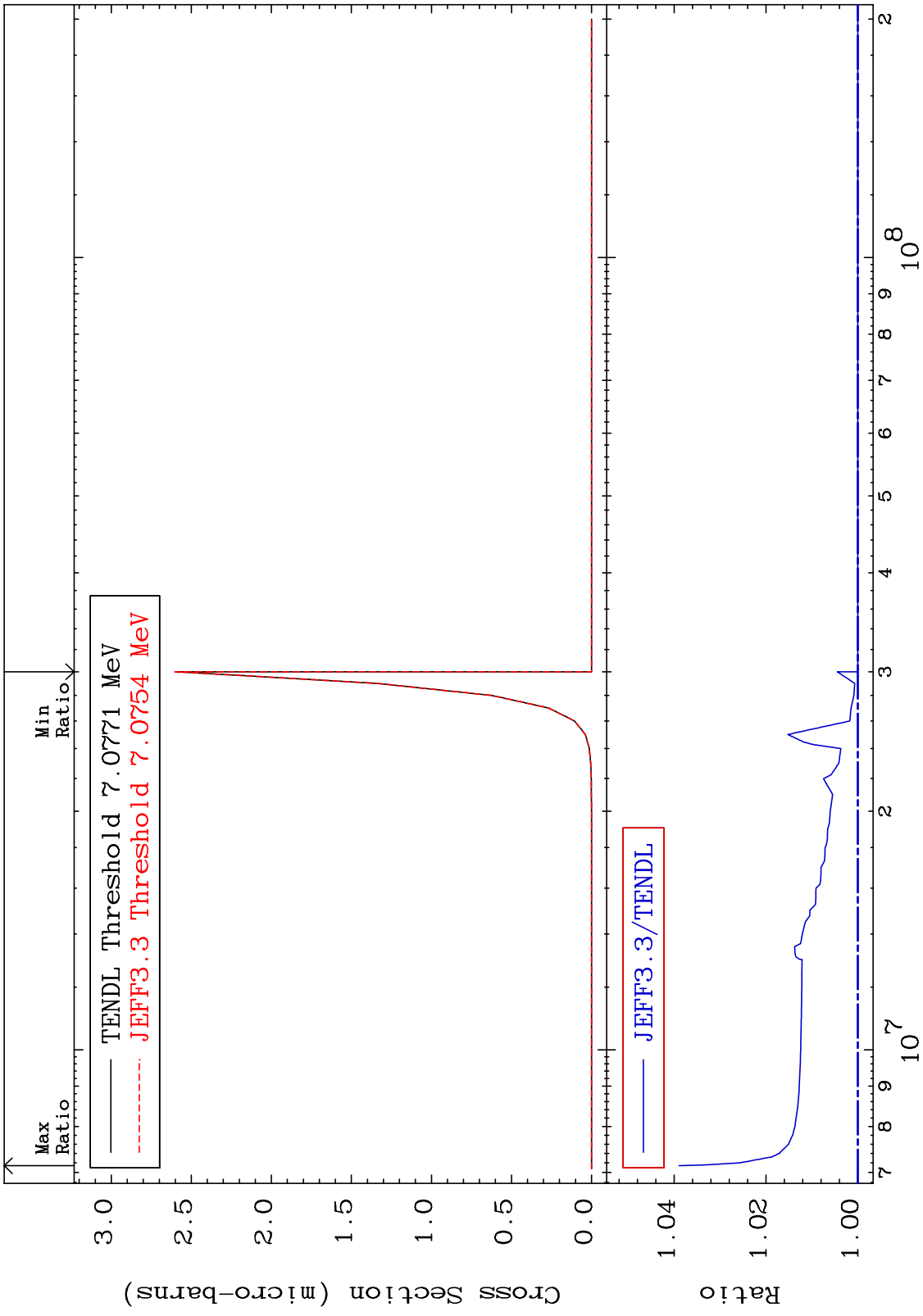
Cross Section







MAT 8031 (n,2p) Cross Section 80-Hg-198 To 3.895 %

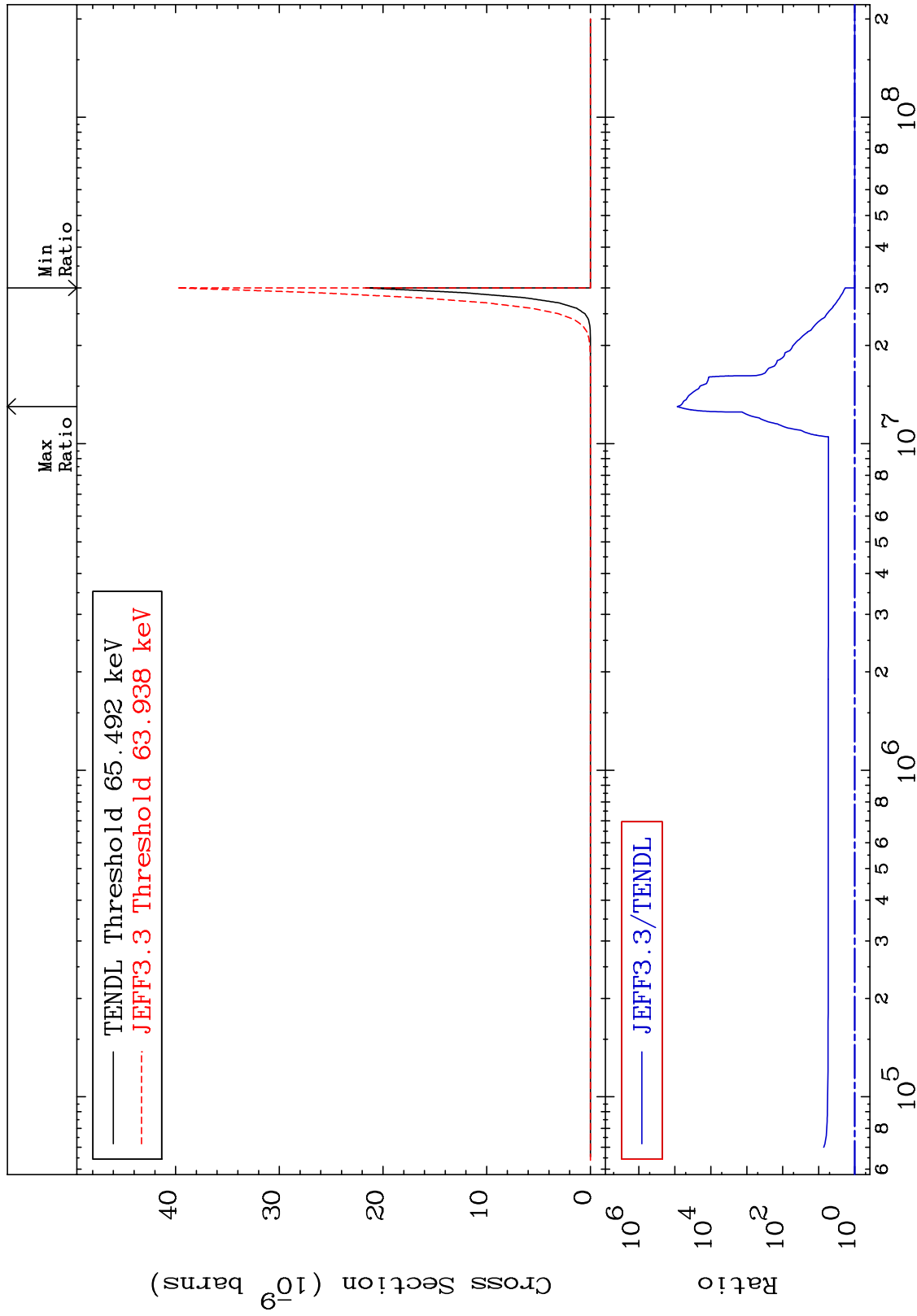


MAT 8031

(n,p)  $\alpha$

80-Hg-198  
To 9999. %

Cross Section

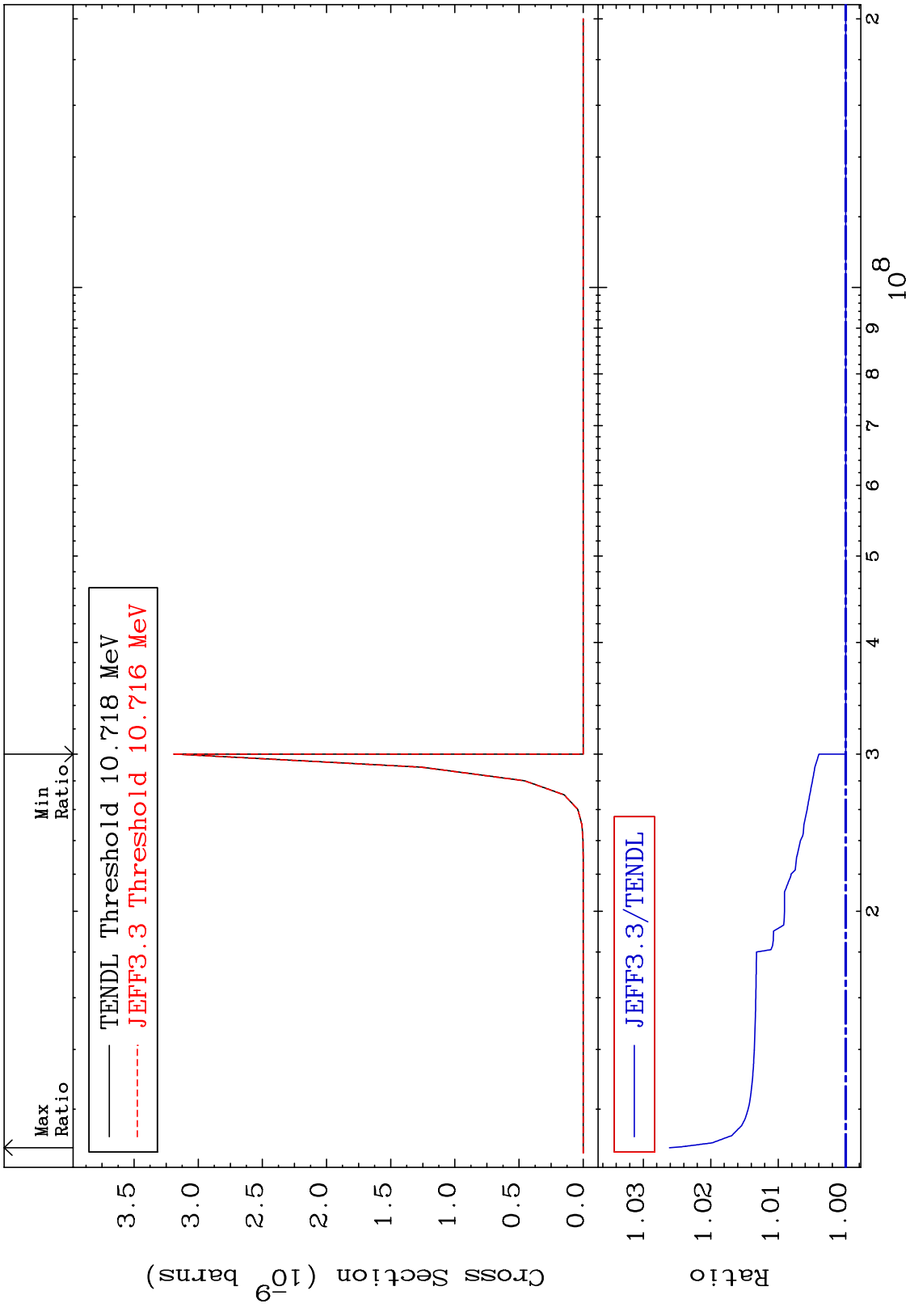


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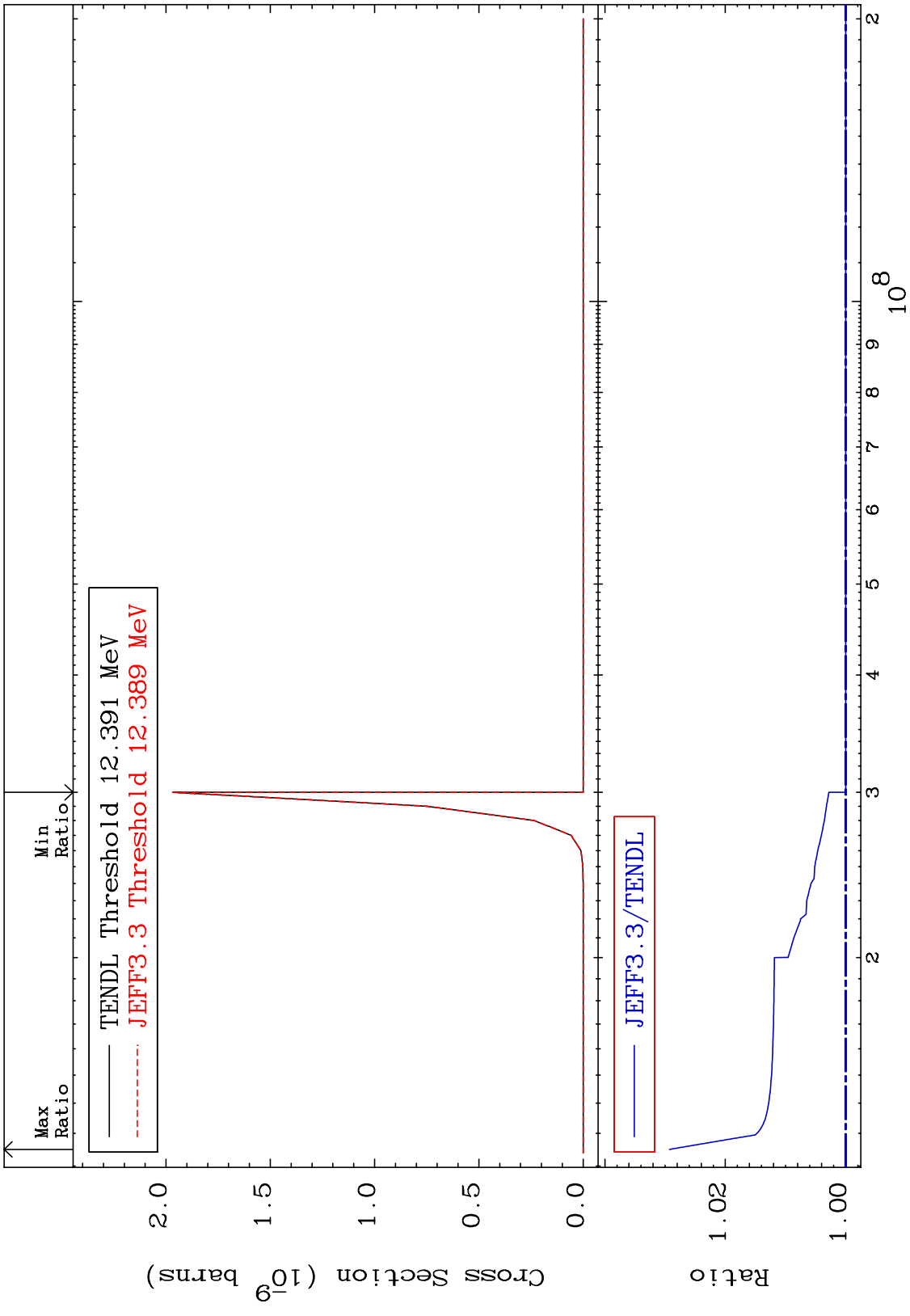
Incident Energy (eV)

80-Hg-198

MAT 8031 (n,p) d 80-Hg-198  
 Cross Section 0.000 To 2.612 %



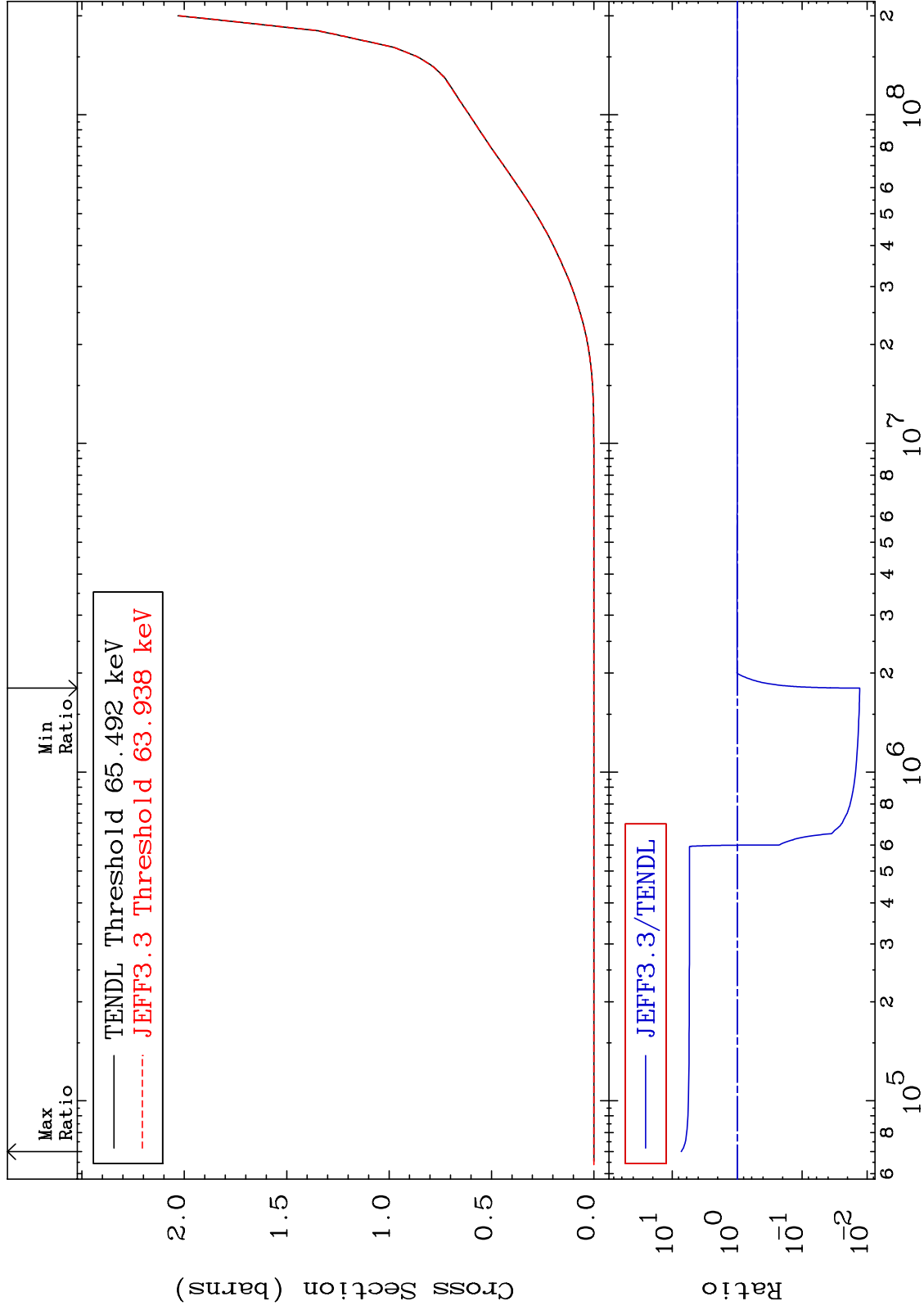
MAT 8031 (n,p) t 80-Hg-198  
 Cross Section 0.000 To 2.928 %



MAT 8031

Hydrogen Production  
Cross Section

80-Hg-198  
-98.70 To 627.9 %



60

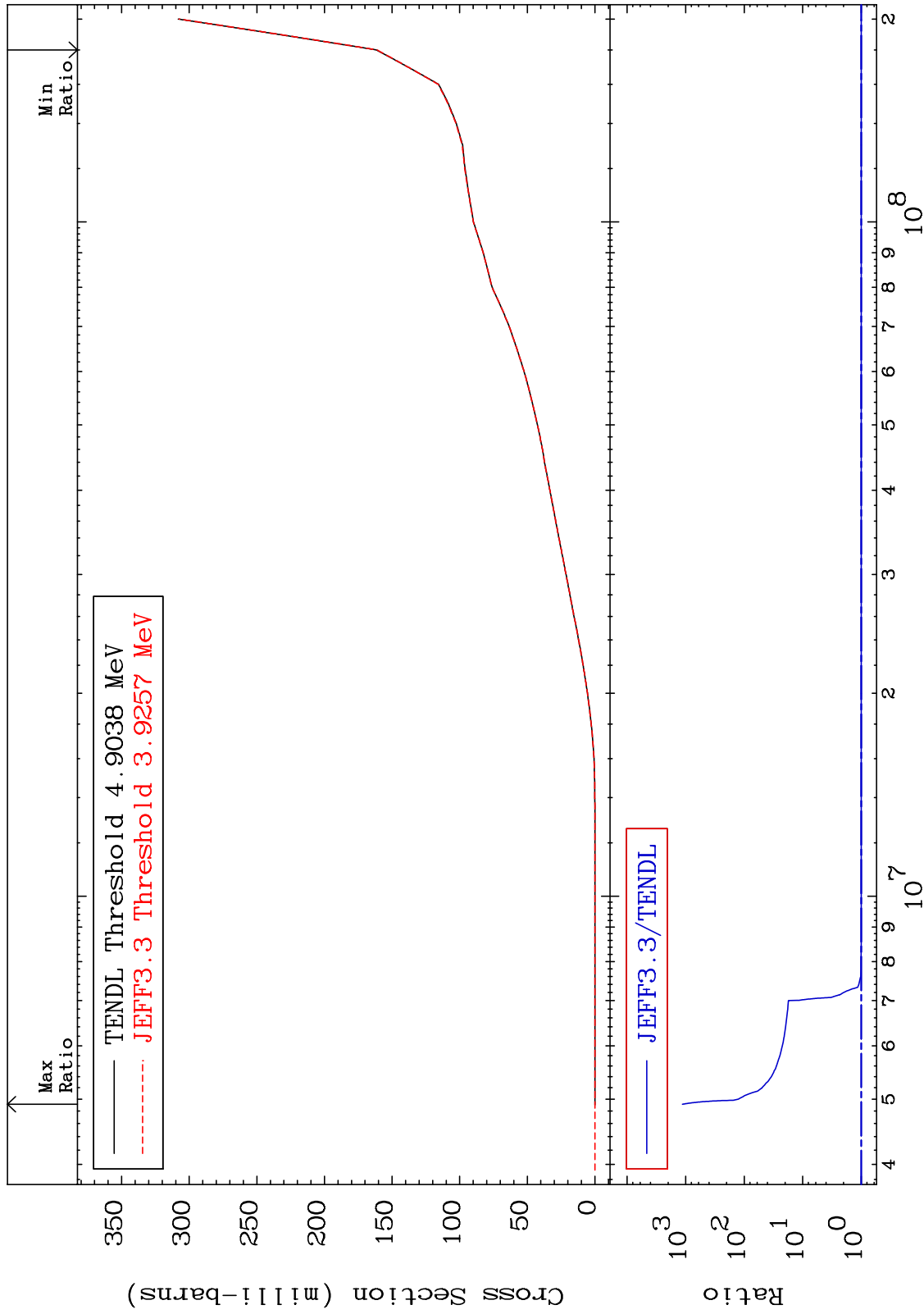
Incident Energy (eV)

80-Hg-198

MAT 8031

Deuterium Production  
Cross Section

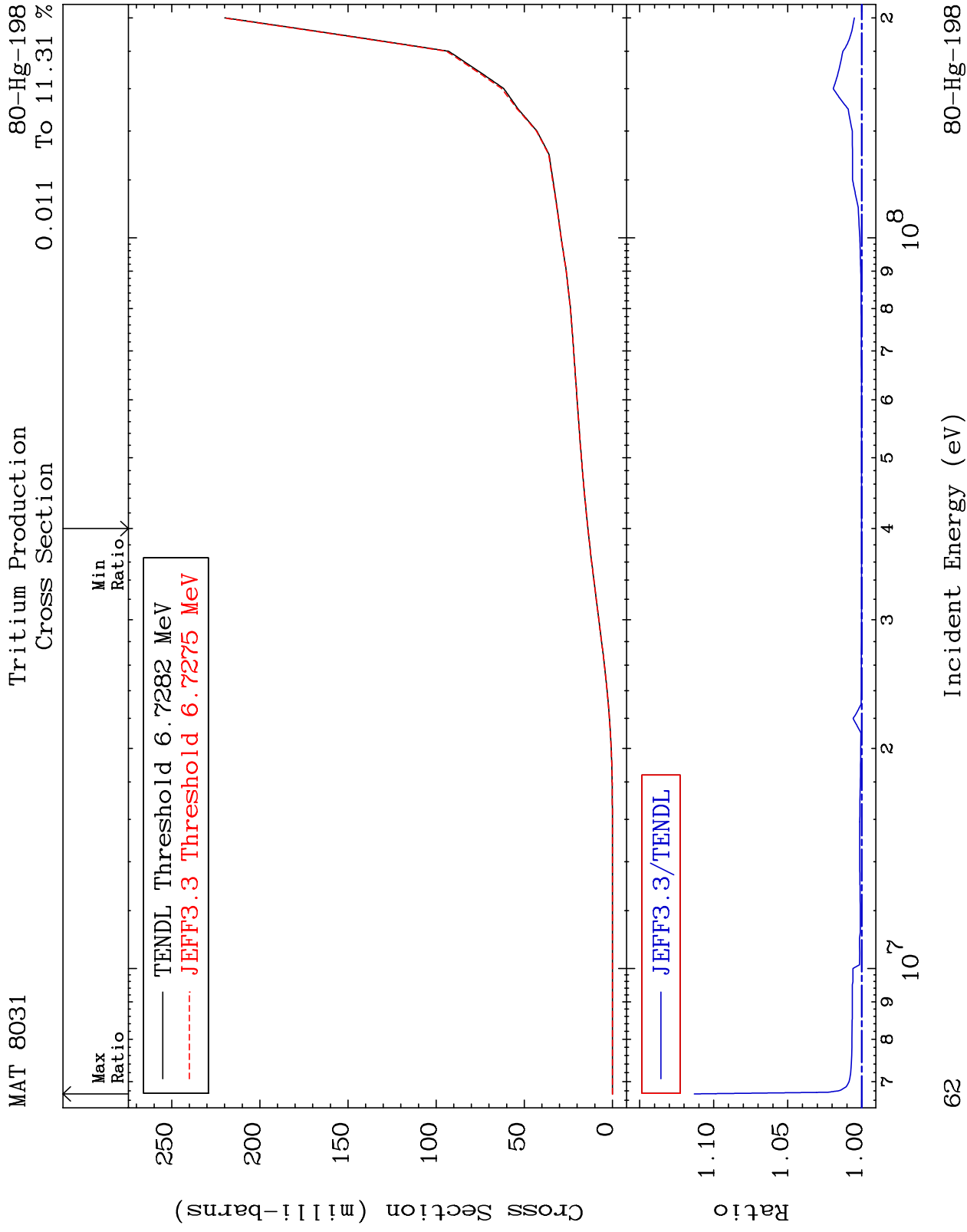
80-Hg-198  
-0.299 To 9999. %

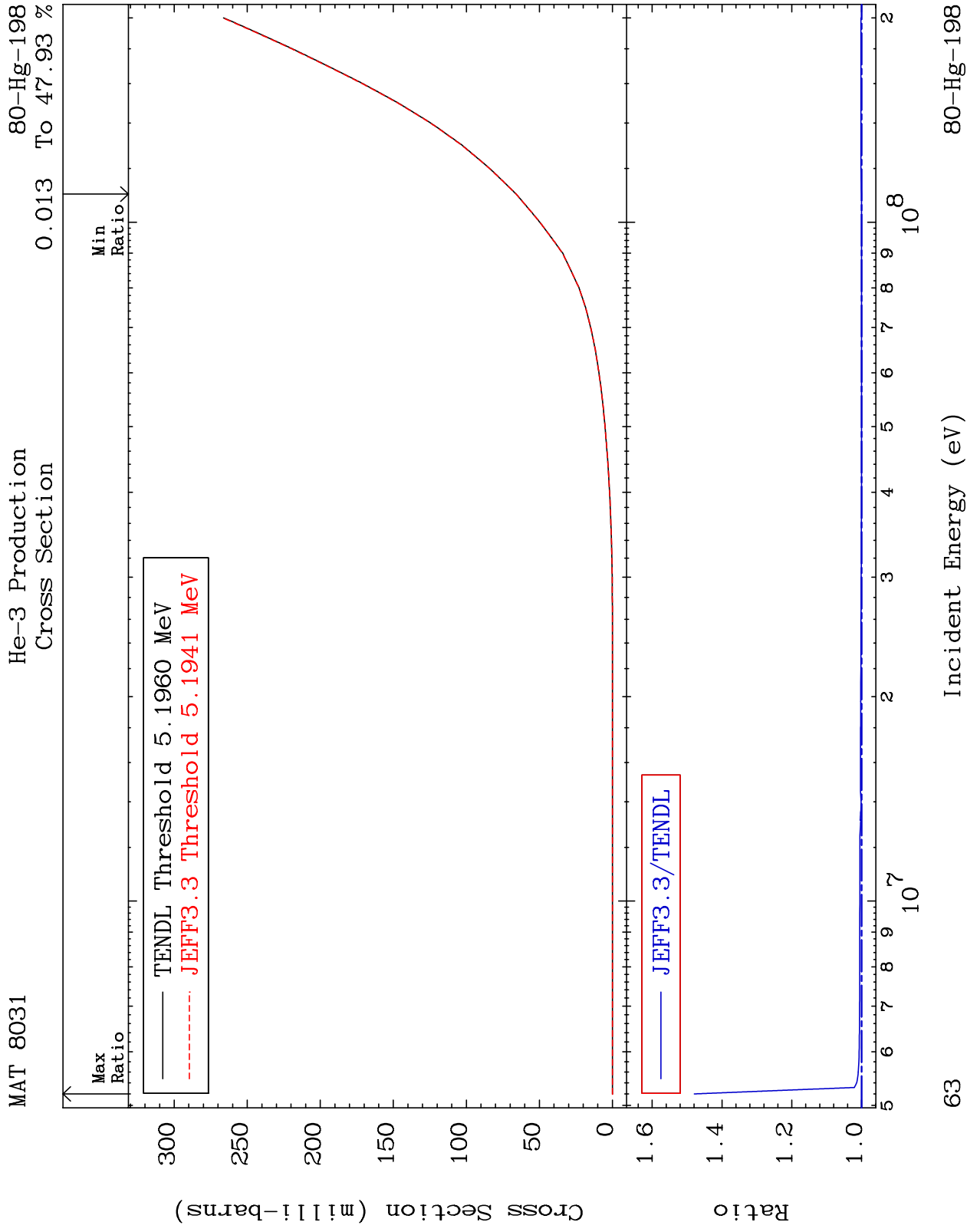


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Incident Energy (eV)

80-Hg-198



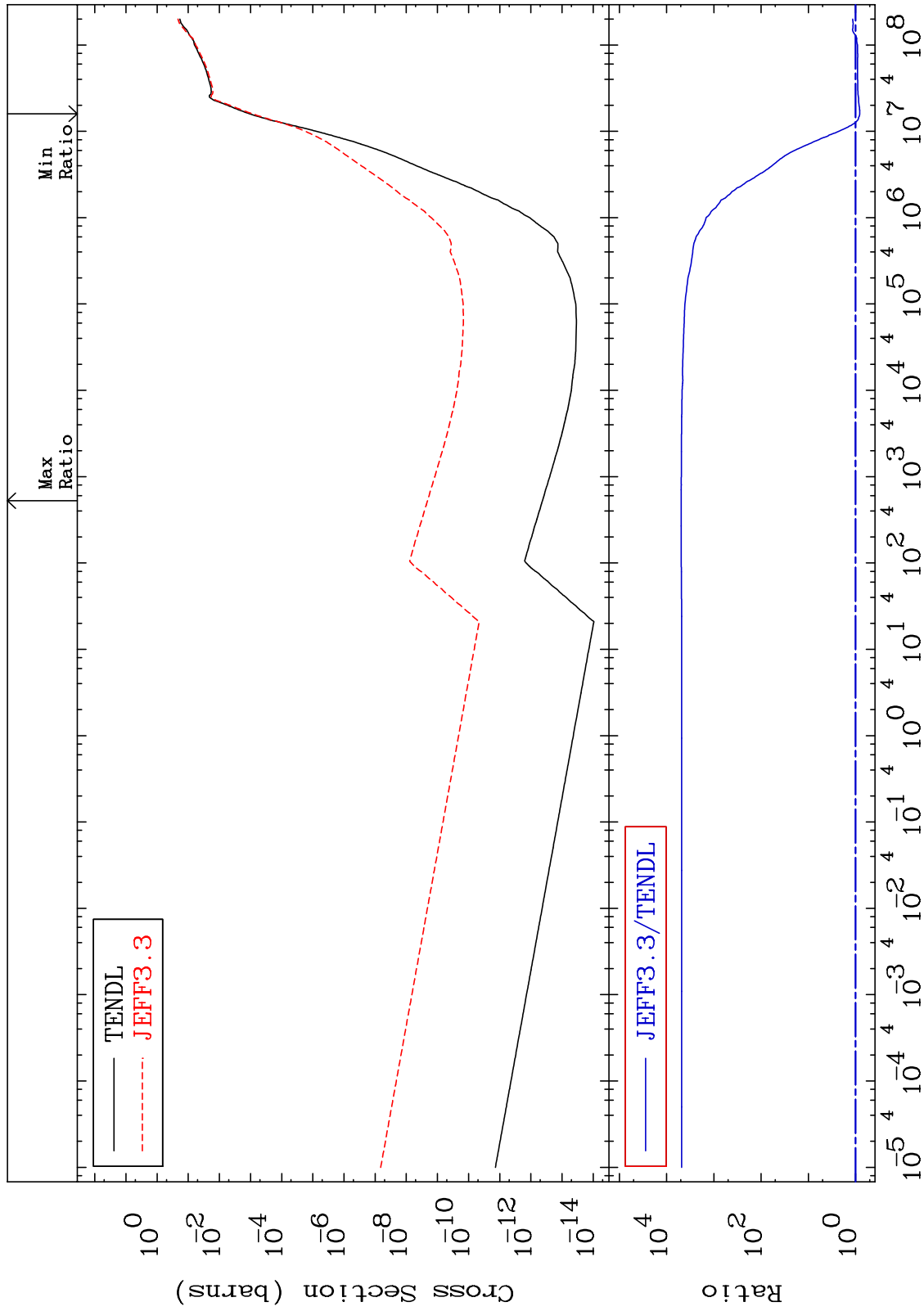




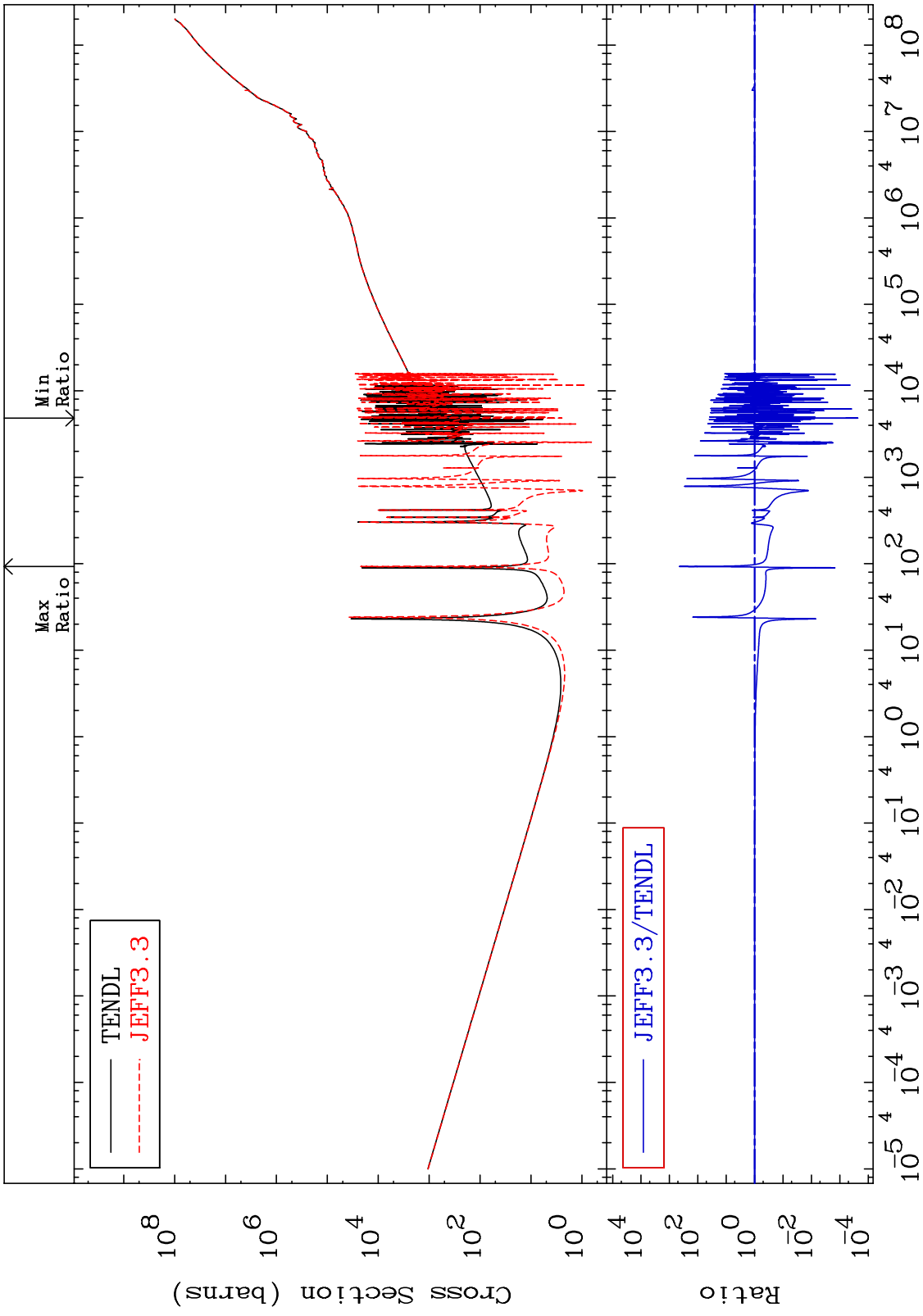
MAT 8031

He-4 Production  
Cross Section

80-Hg-198  
-18.45 To 9999. %



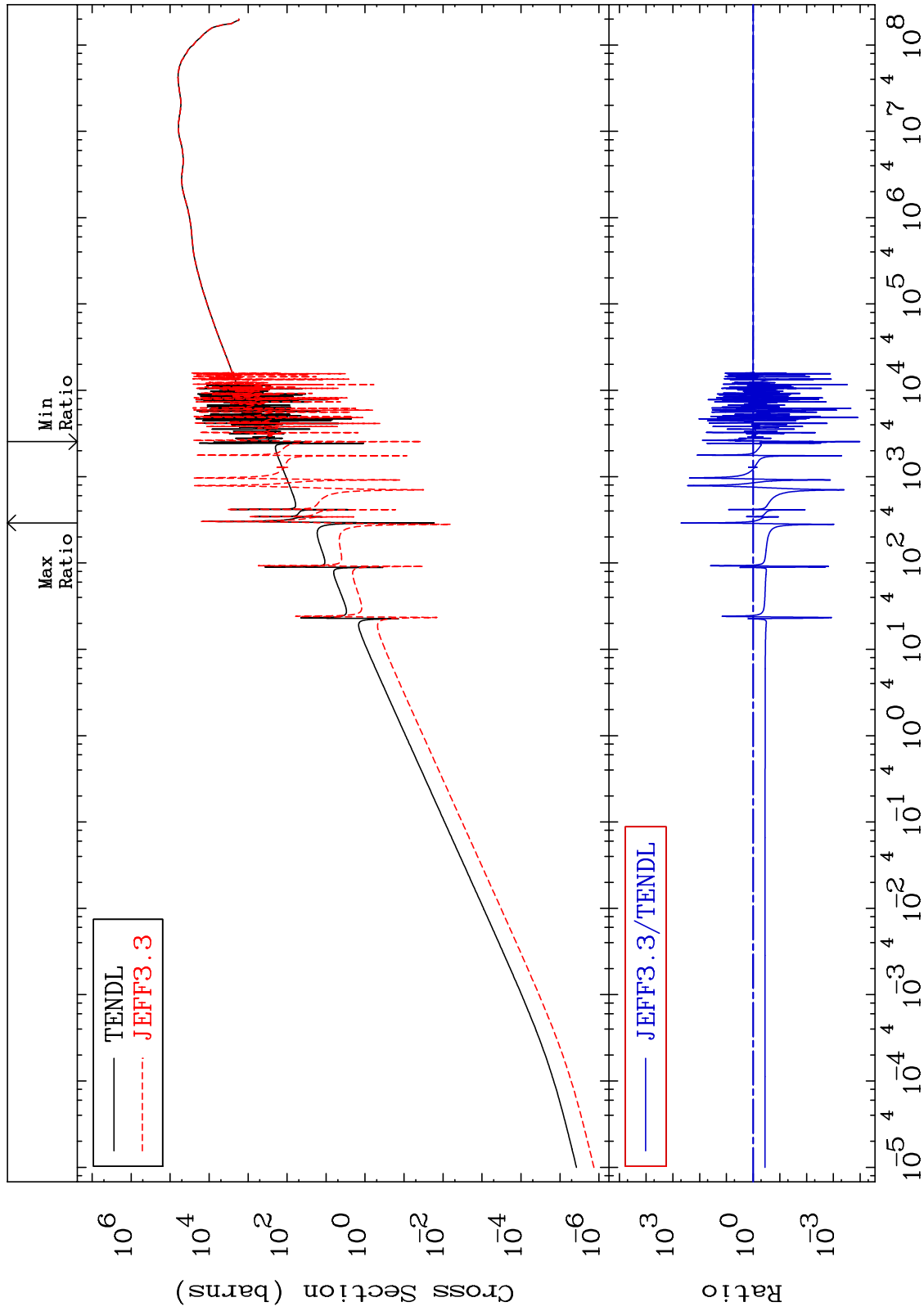
MAT 8031 Kerma total (eV-barns) 80-Hg-198  
 Cross Section -99.98 To 9999. %



MAT 8031

Kerma elastic  
Cross Section

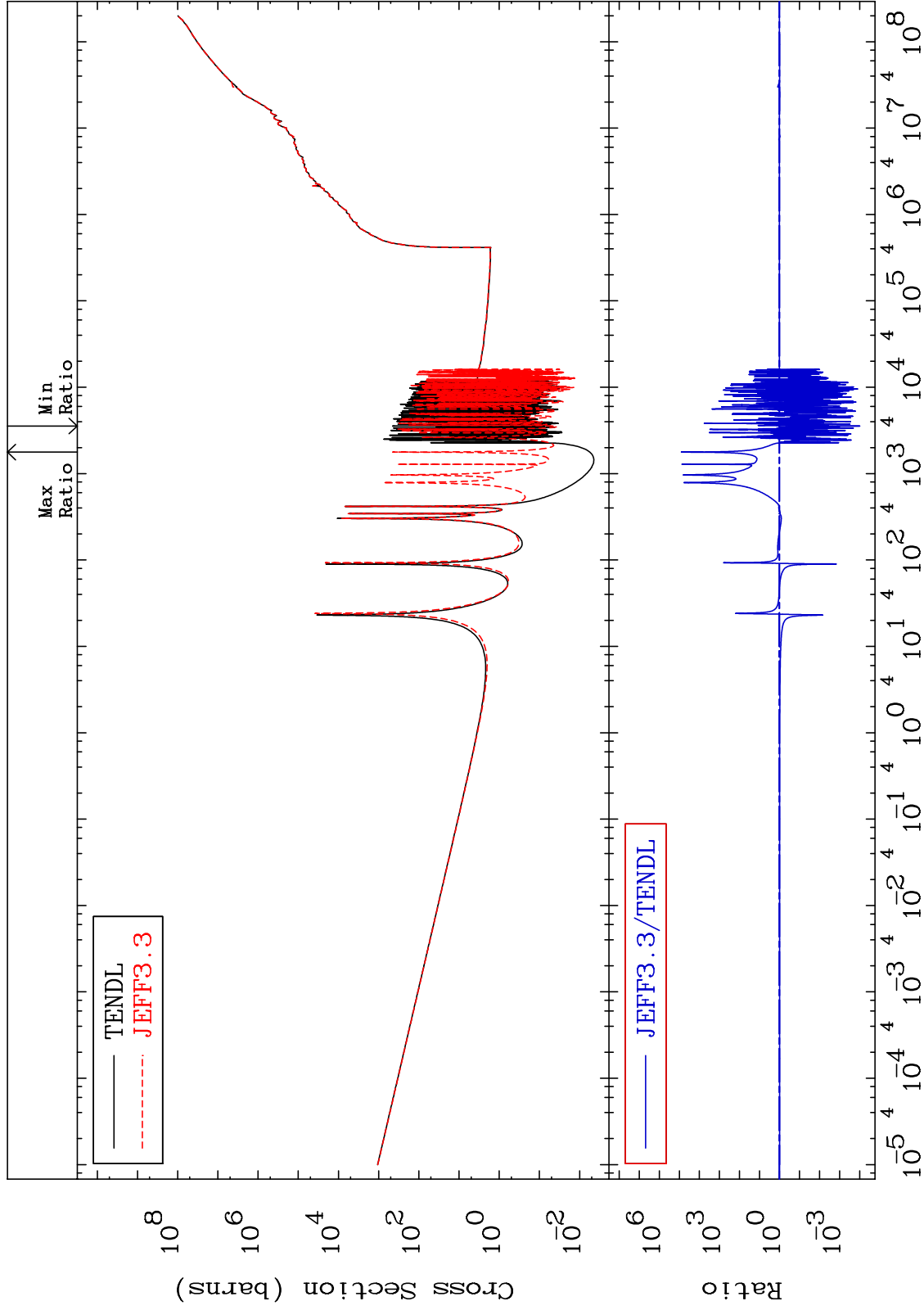
80-Hg-198  
-99.99 To 9999. %



MAT 8031

Kerma non-elastic (all but mt.2)  
Cross Section

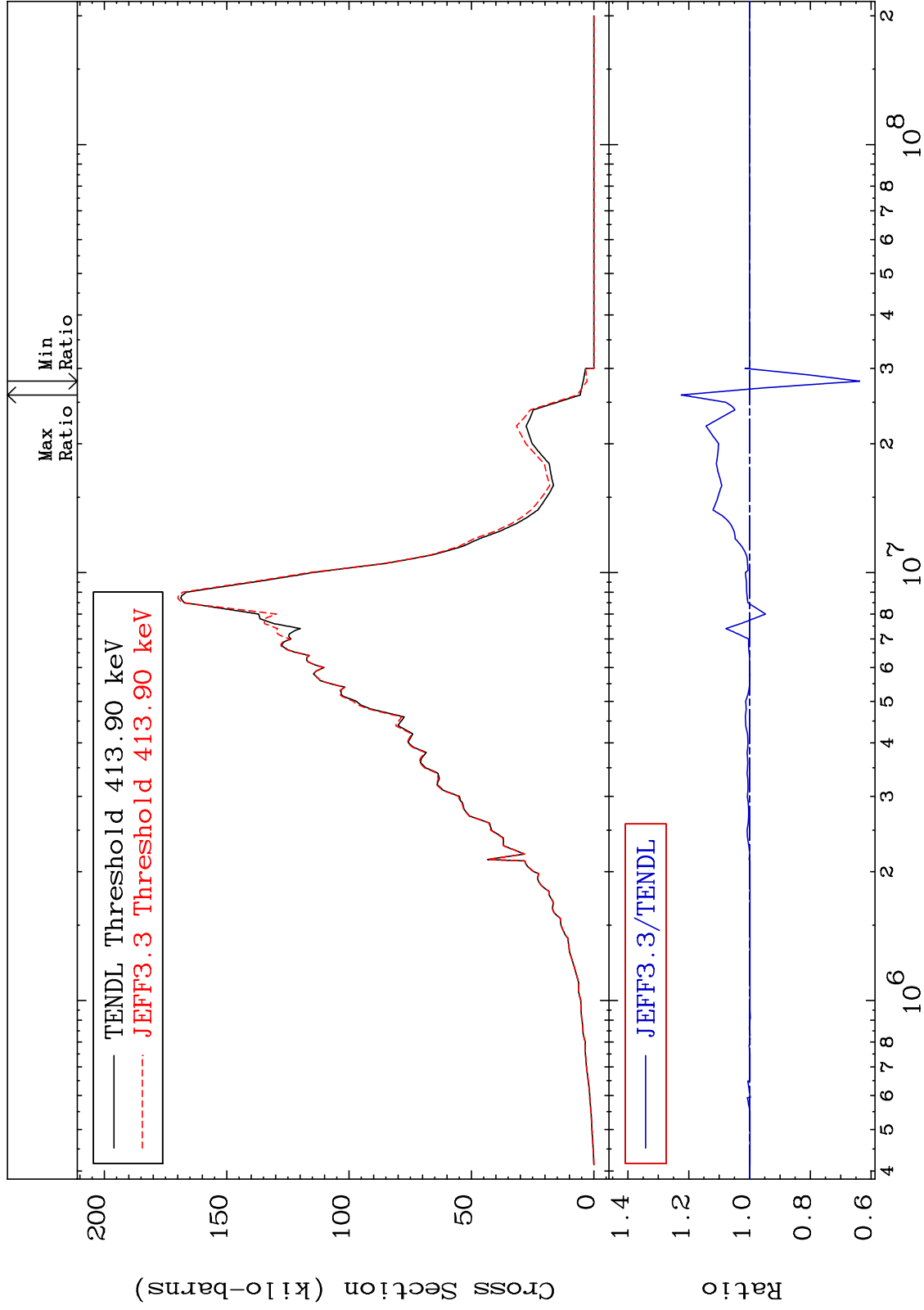
80-Hg-198  
-99.99 To 9999. %



MAT 8031

Kerma inelastic (mt51-91)  
Cross Section

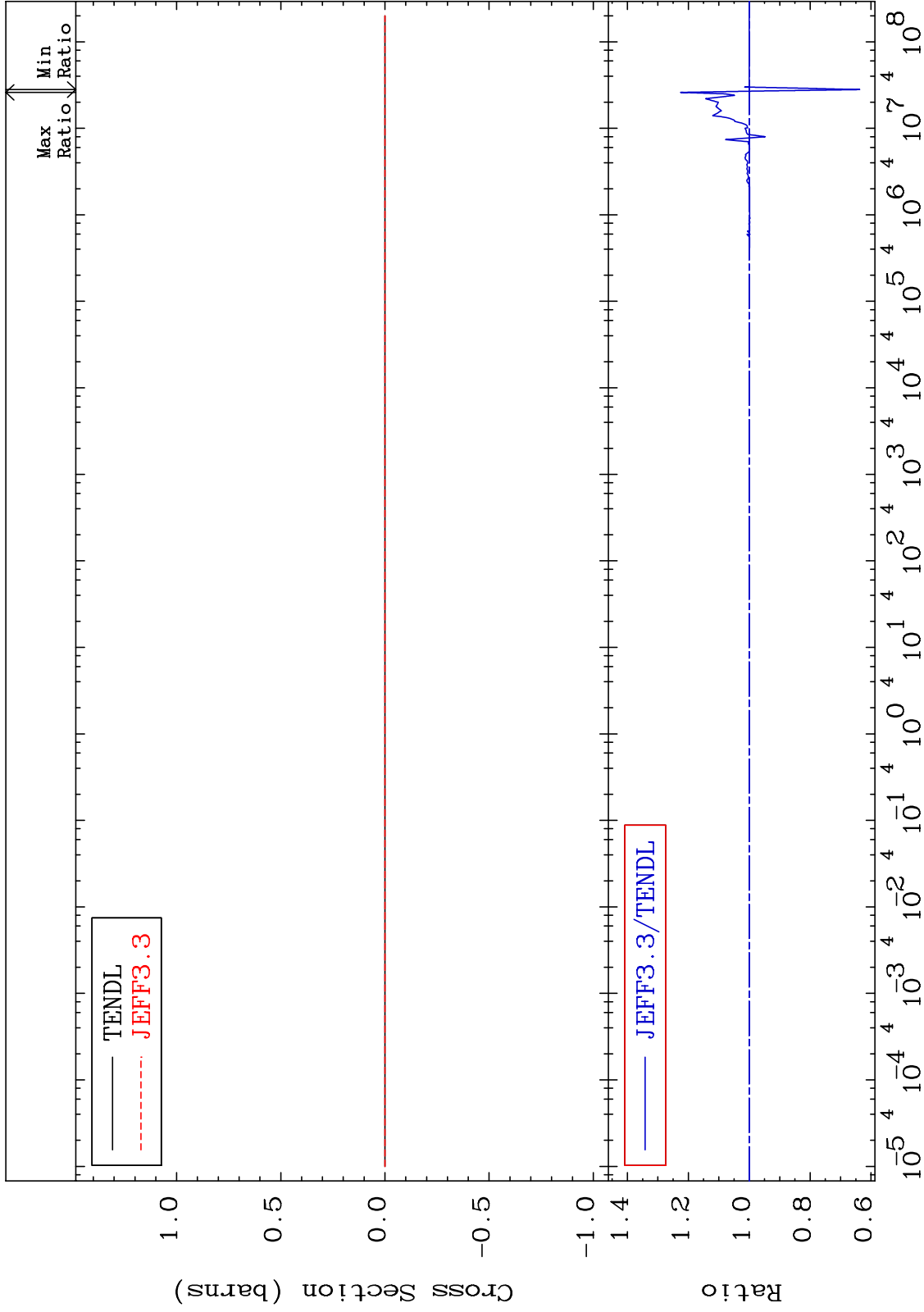
80-Hg-198  
-36.25 To 22.46 %



MAT 8031

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

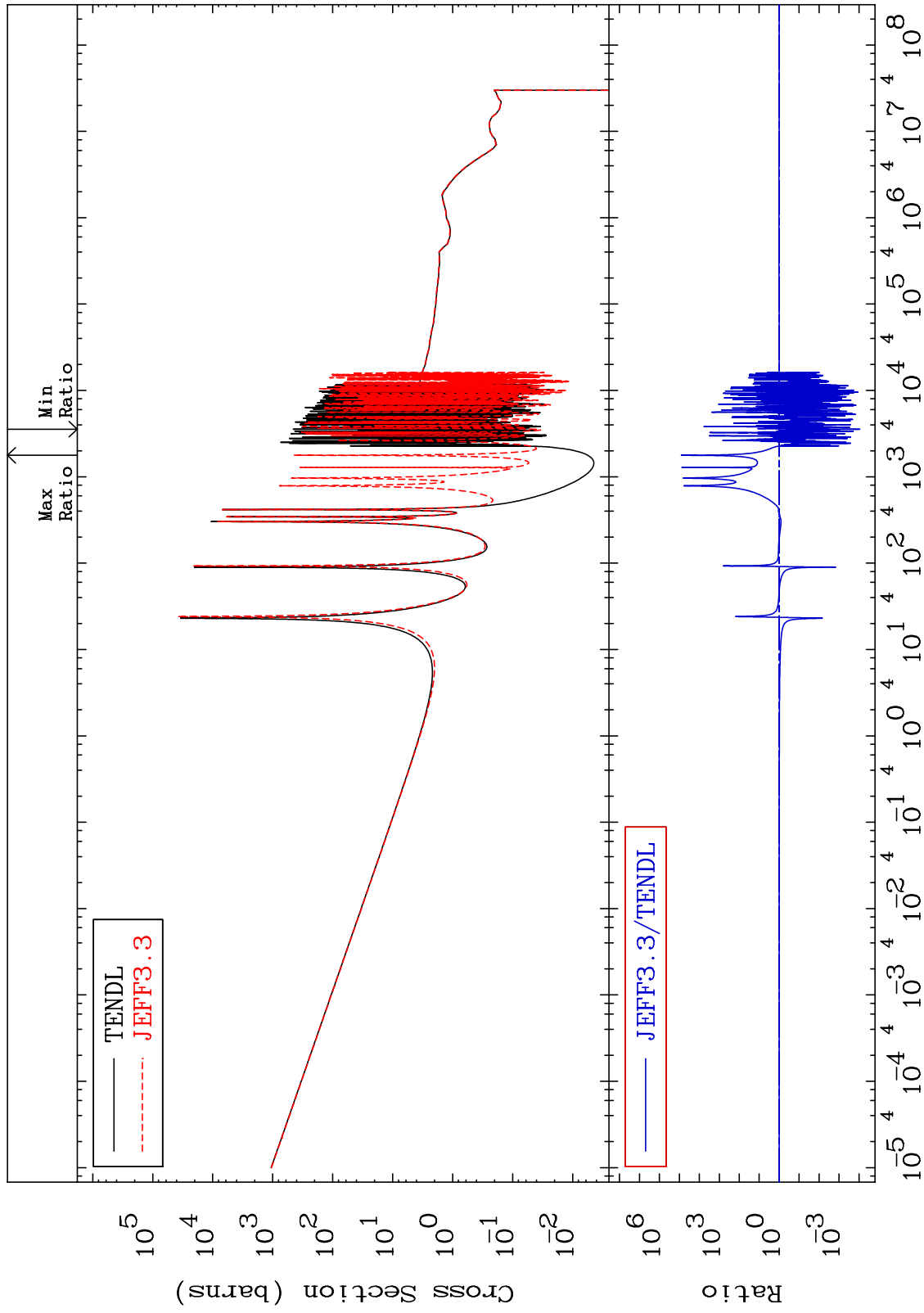
80-Hg-198  
-36.25 To 22.46 %



MAT 8031

Kerma capture (mt102)  
Cross Section

80-Hg-198  
-99.99 To 9999. %



70

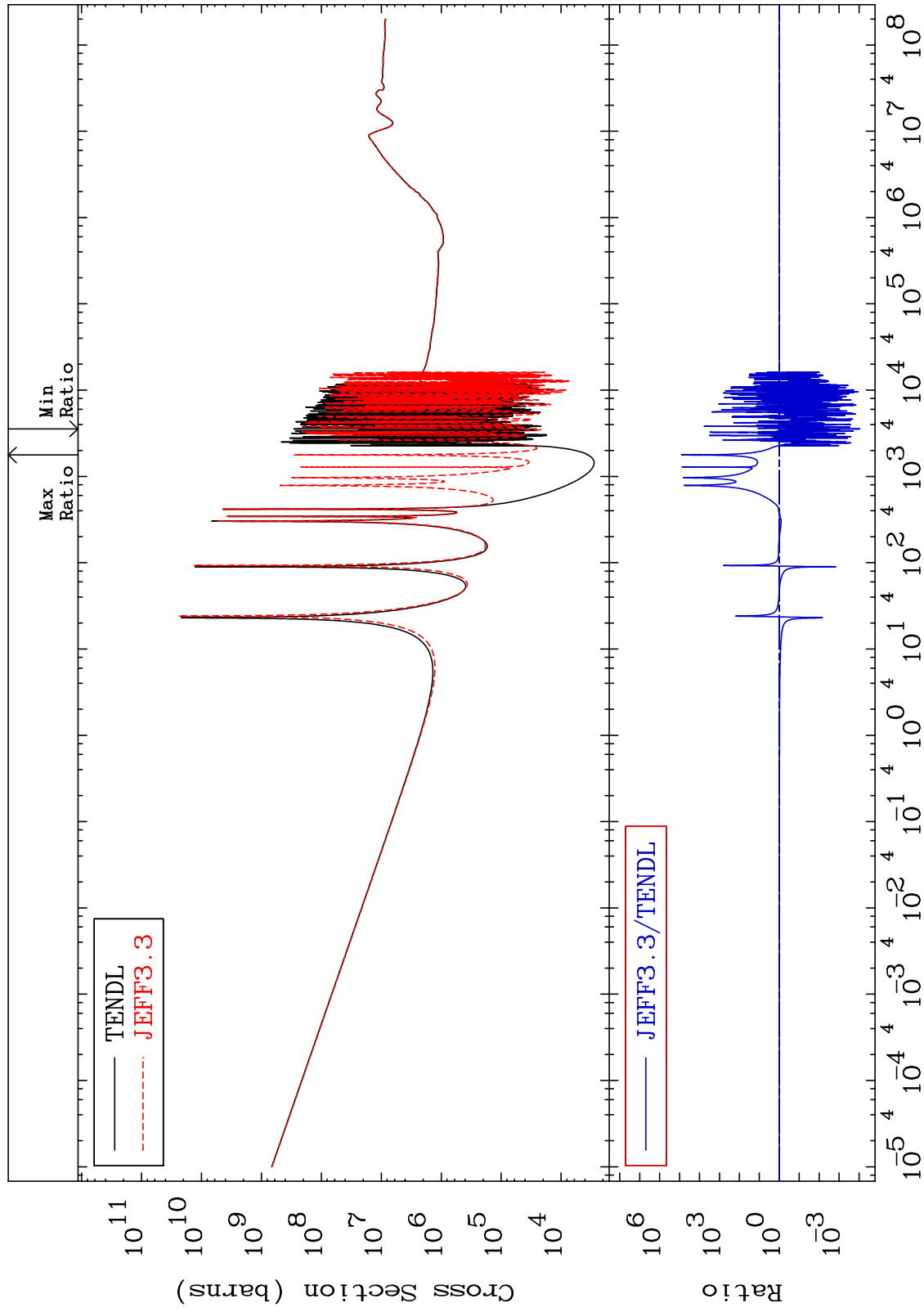
Incident Energy (eV)

80-Hg-198

MAT 8031

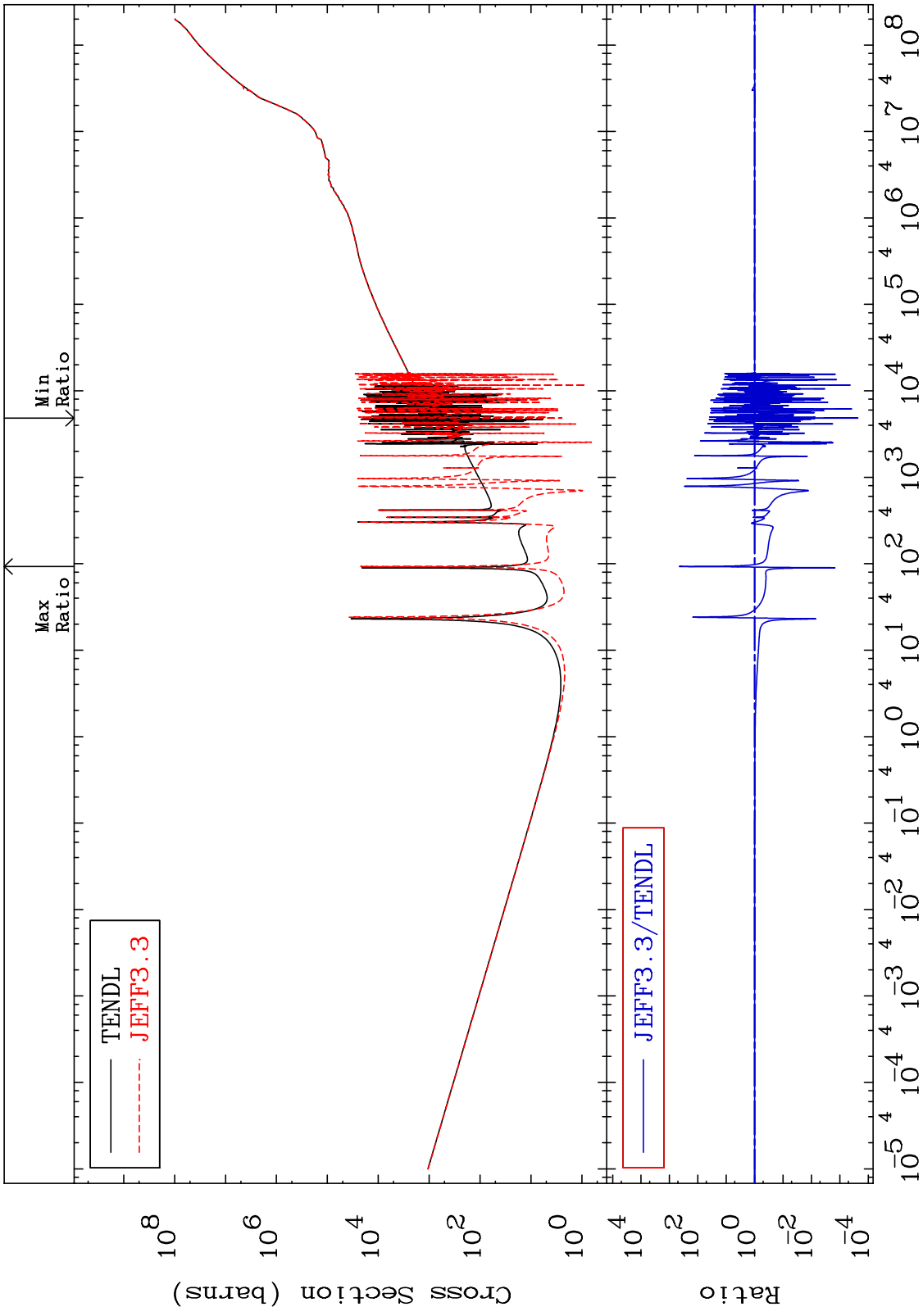
Total photon (eV-barns)  
Cross Section

80-Hg-198  
-99.99 To 9999. %





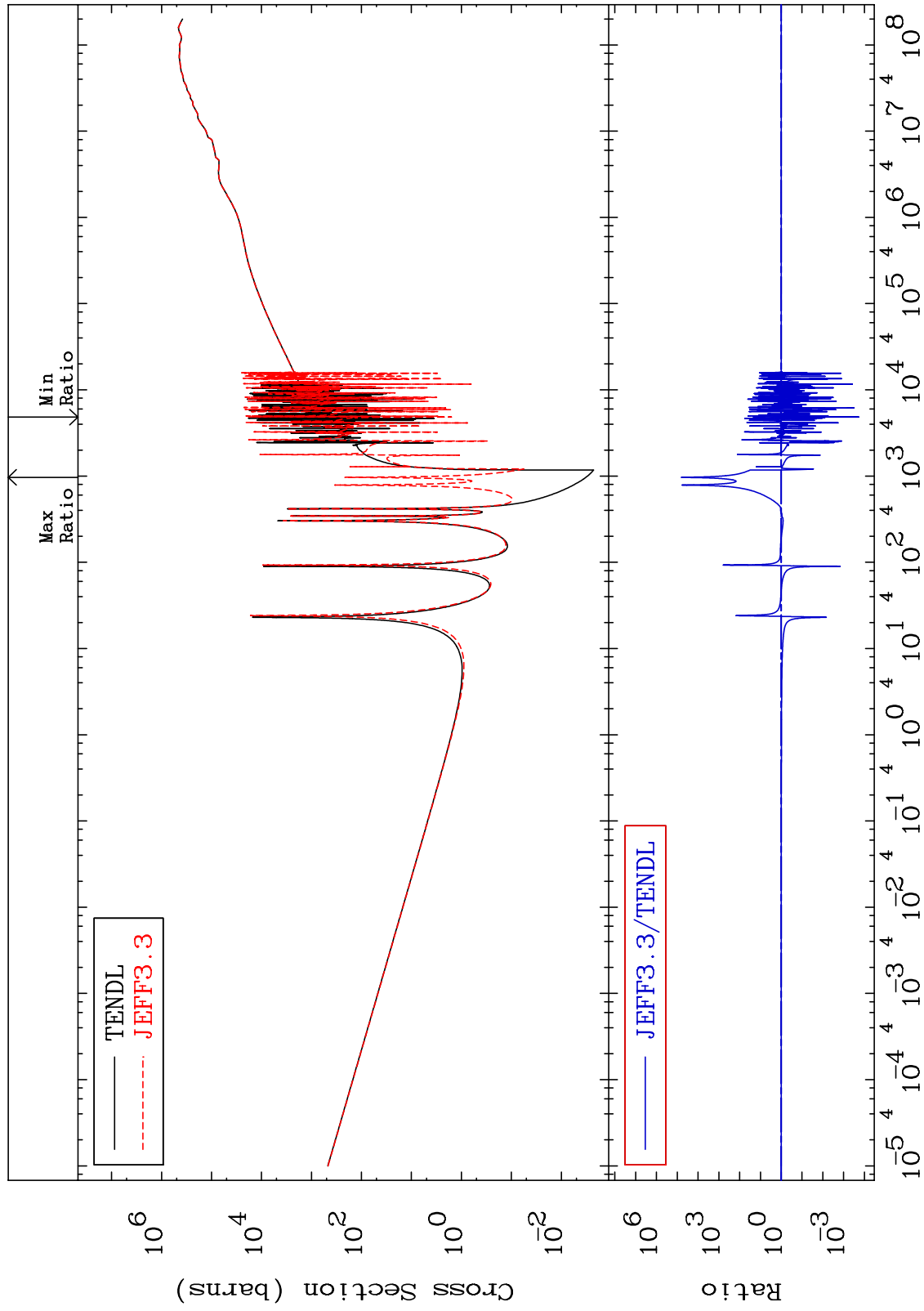
MAT 8031 Total kinematic kerma (high limit) 80-Hg-198  
 Cross Section -99.98 To 9999. %



MAT 8031

Dpa total (eV-barns)  
Cross Section

80-Hg-198  
-99.98 To 9999. %



73

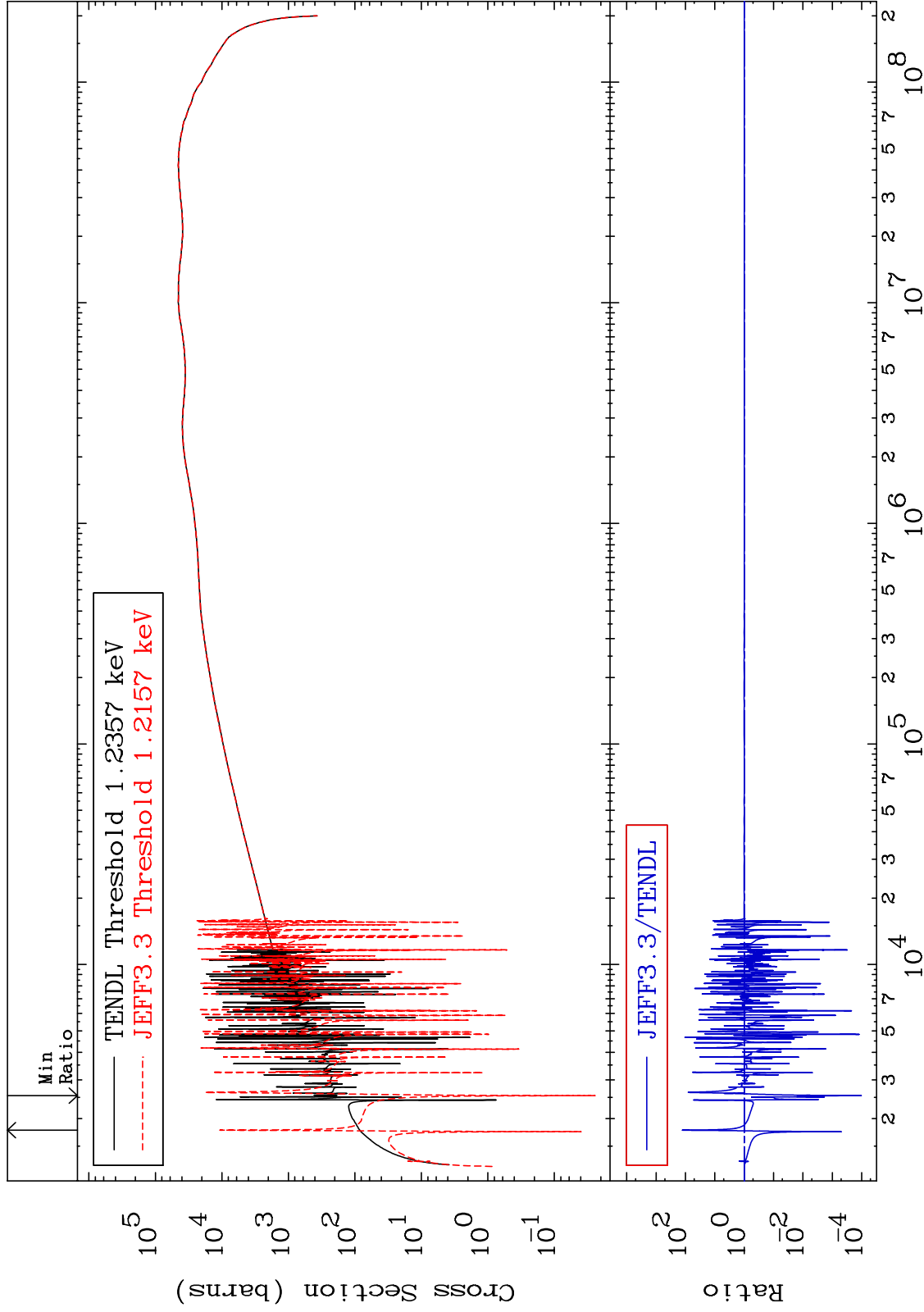
Incident Energy (eV)

80-Hg-198

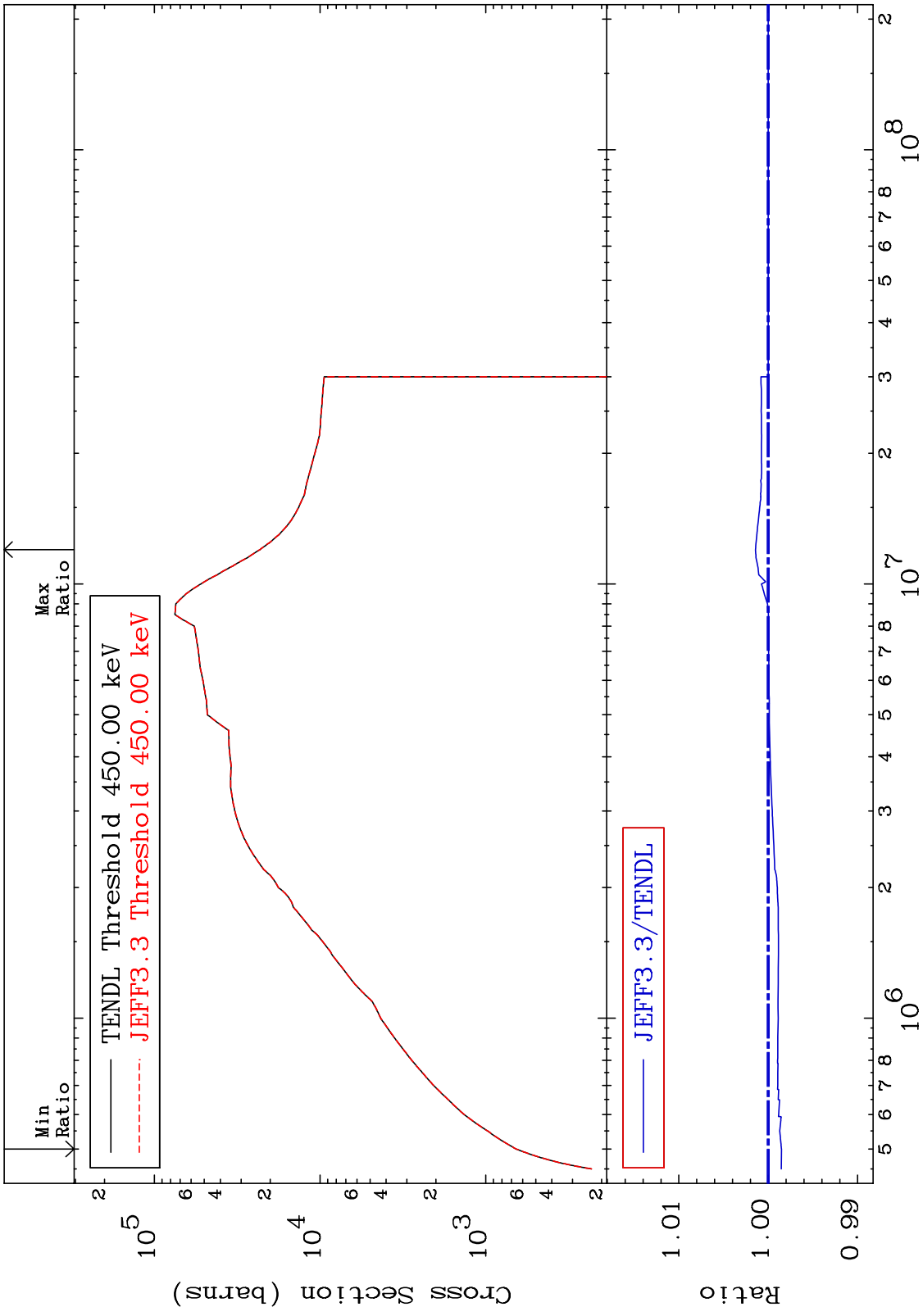
MAT 8031

Dpa elastic (mt2)  
Cross Section

80-Hg-198  
-99.99 To 9999. %



MAT 8031      Dpa inelastic (mt51-91)      80-Hg-198  
 Cross Section      -0.147 To 0.143 %

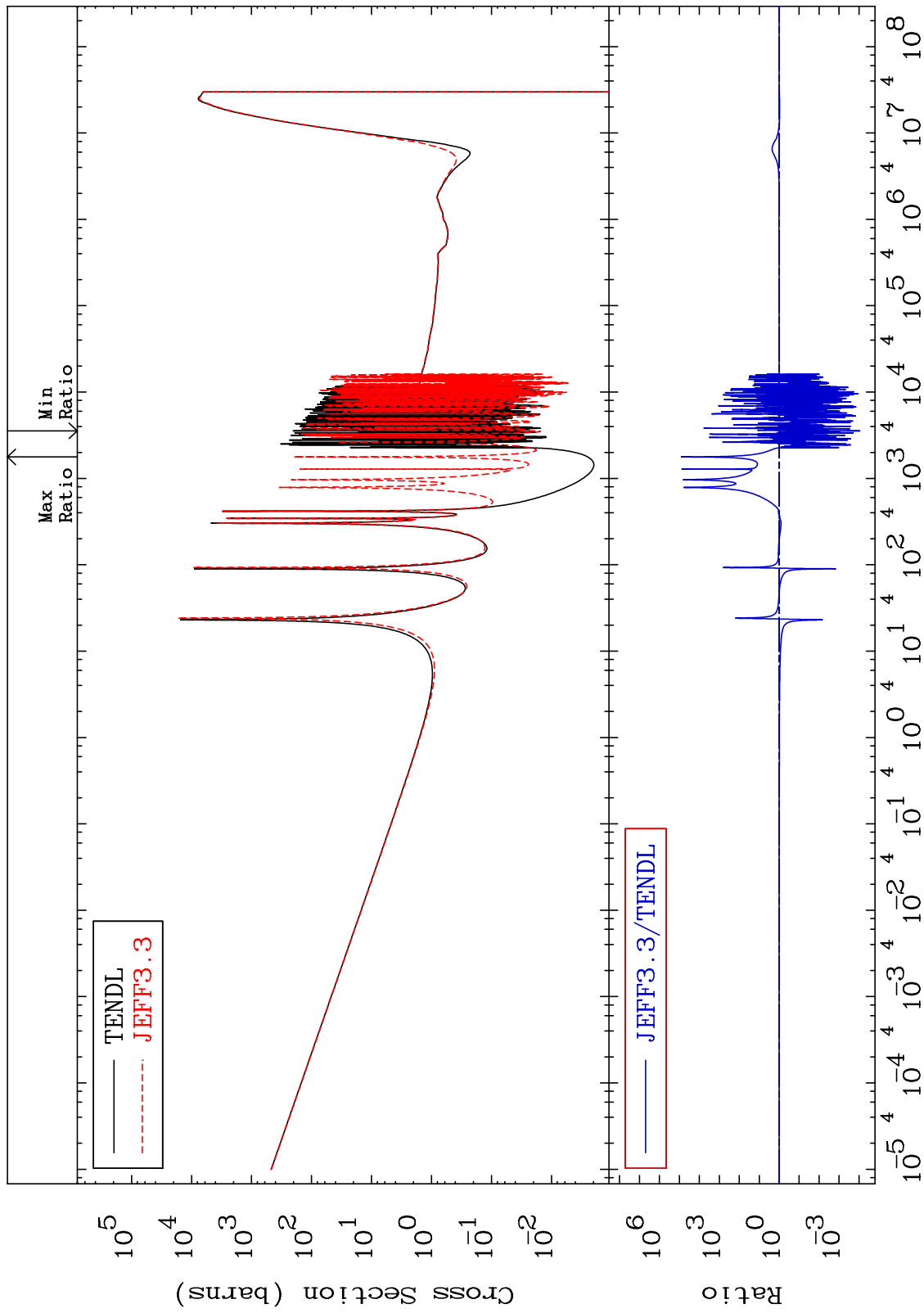


75      Incident Energy (eV)      80-Hg-198

MAT 8031

Dpa disappearance (mt102 -120)  
Cross Section

80-Hg-198  
-99.99 To 9999. %



76

Incident Energy (eV)

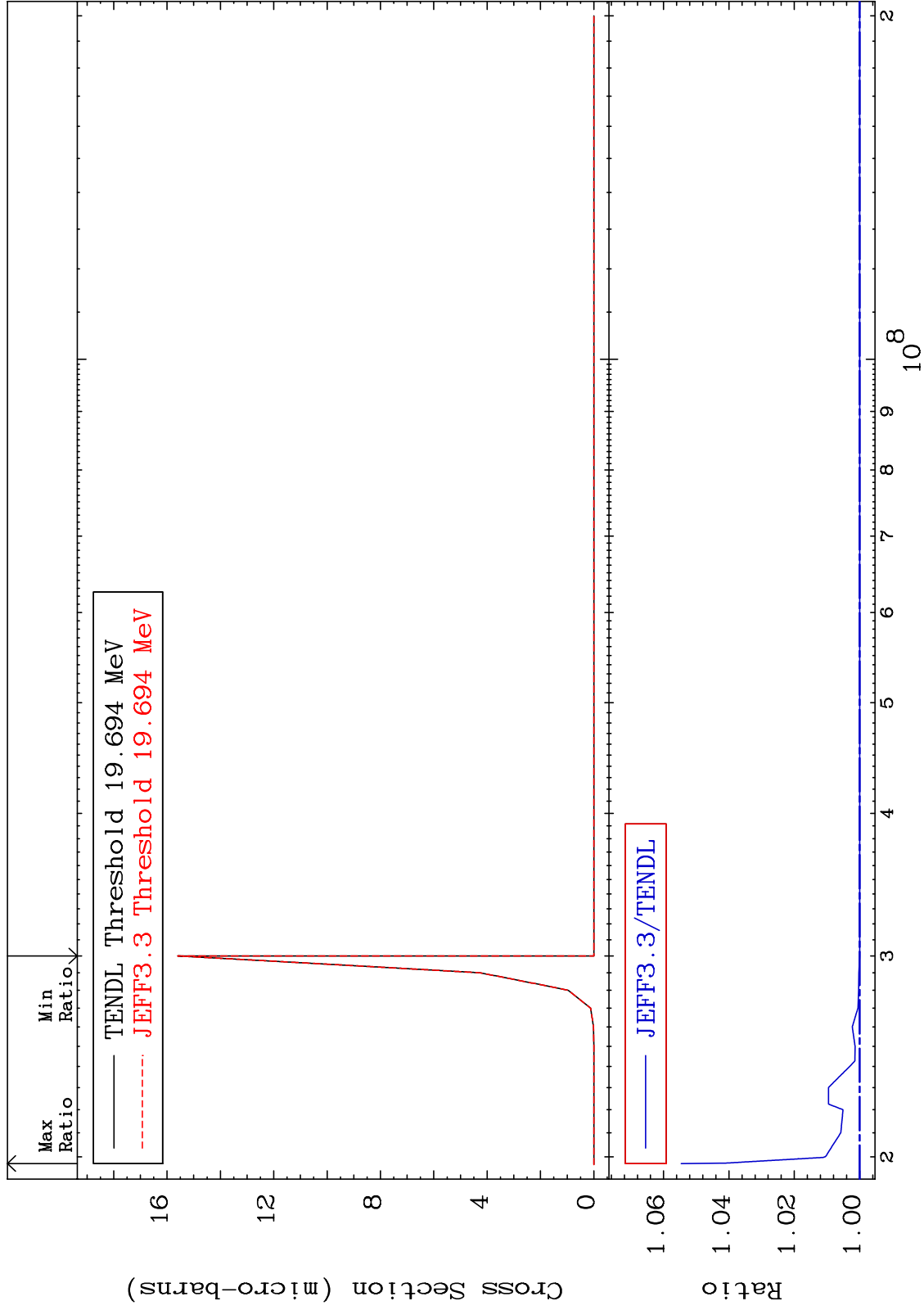
80-Hg-198

MAT 8031

(n,2n) d:79-Au-195g

80-Hg-198

Radionuclide Production Cross Section -0.004 To 5.459 %



77

Incident Energy (eV)

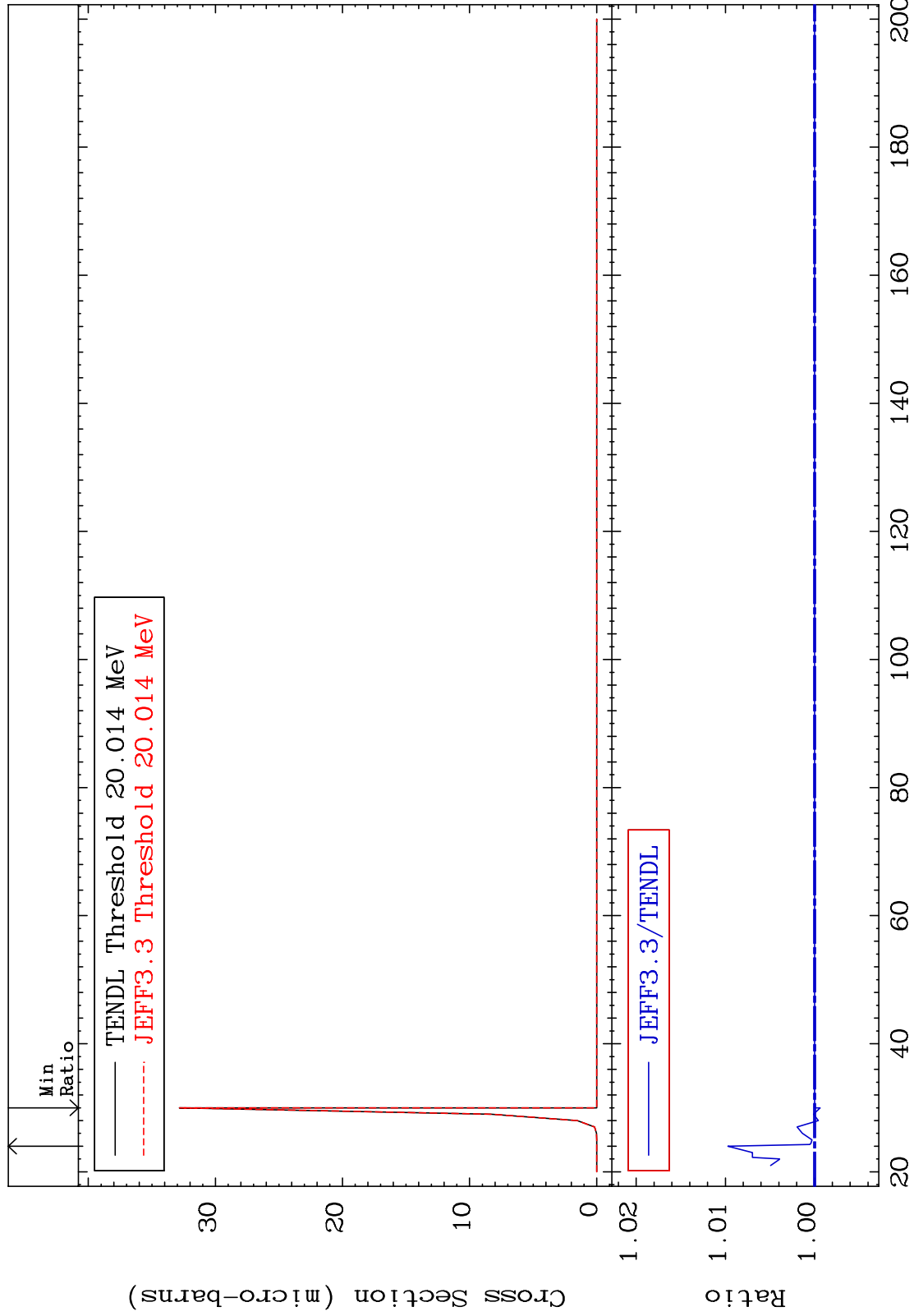
80-Hg-198

MAT 8031

(n,2n) d:79-Au-195m4

80-Hg-198

Radionuclide Production Cross Section -0.062 To 0.972 %



78

Incident Energy (MeV)

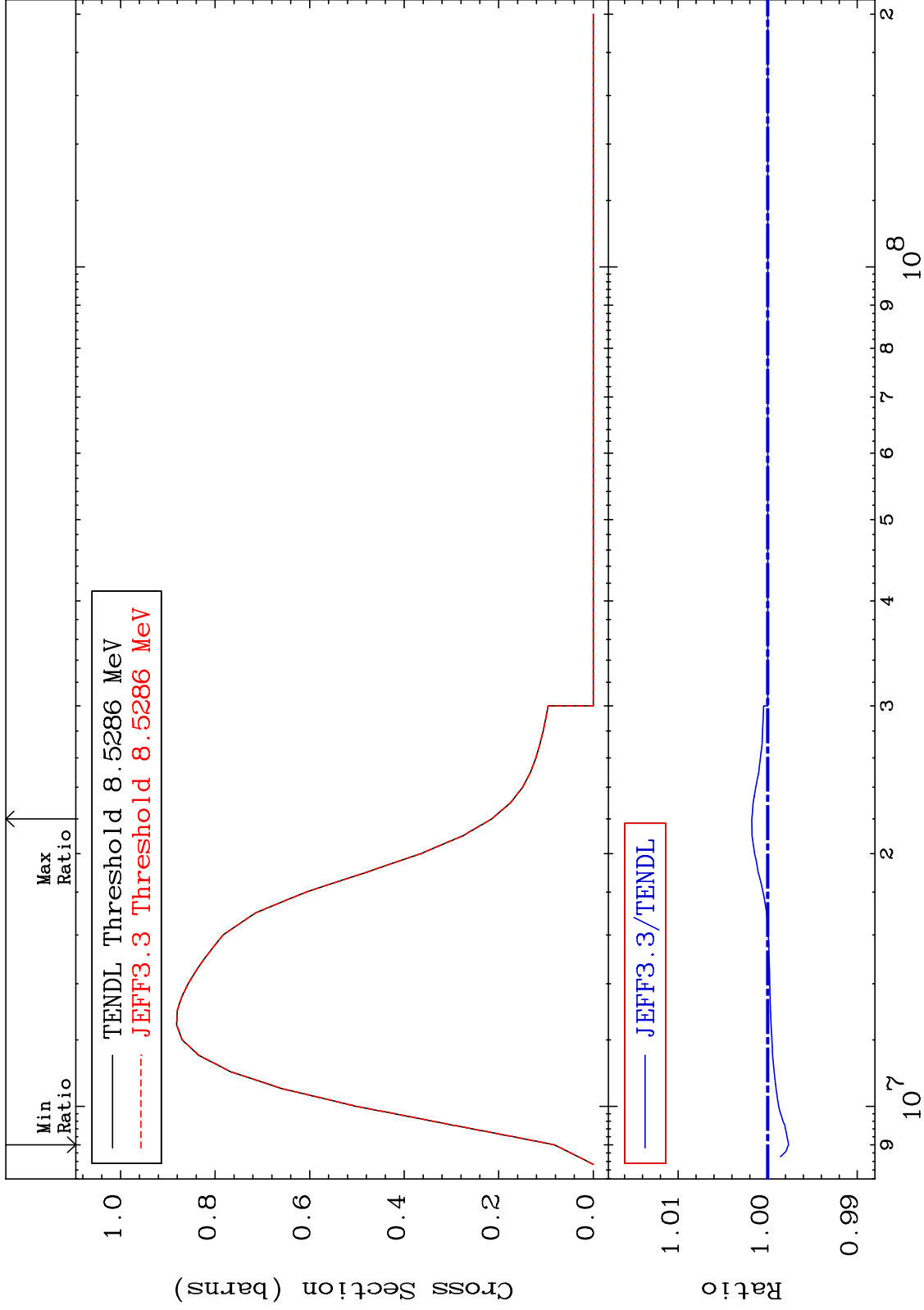
80-Hg-198

MAT 8031

(n,2n):80-Hg-197g

80-Hg-198

Radionuclide Production Cross Section -0.234 To 0.177 %



79

Incident Energy (eV)

80-Hg-198

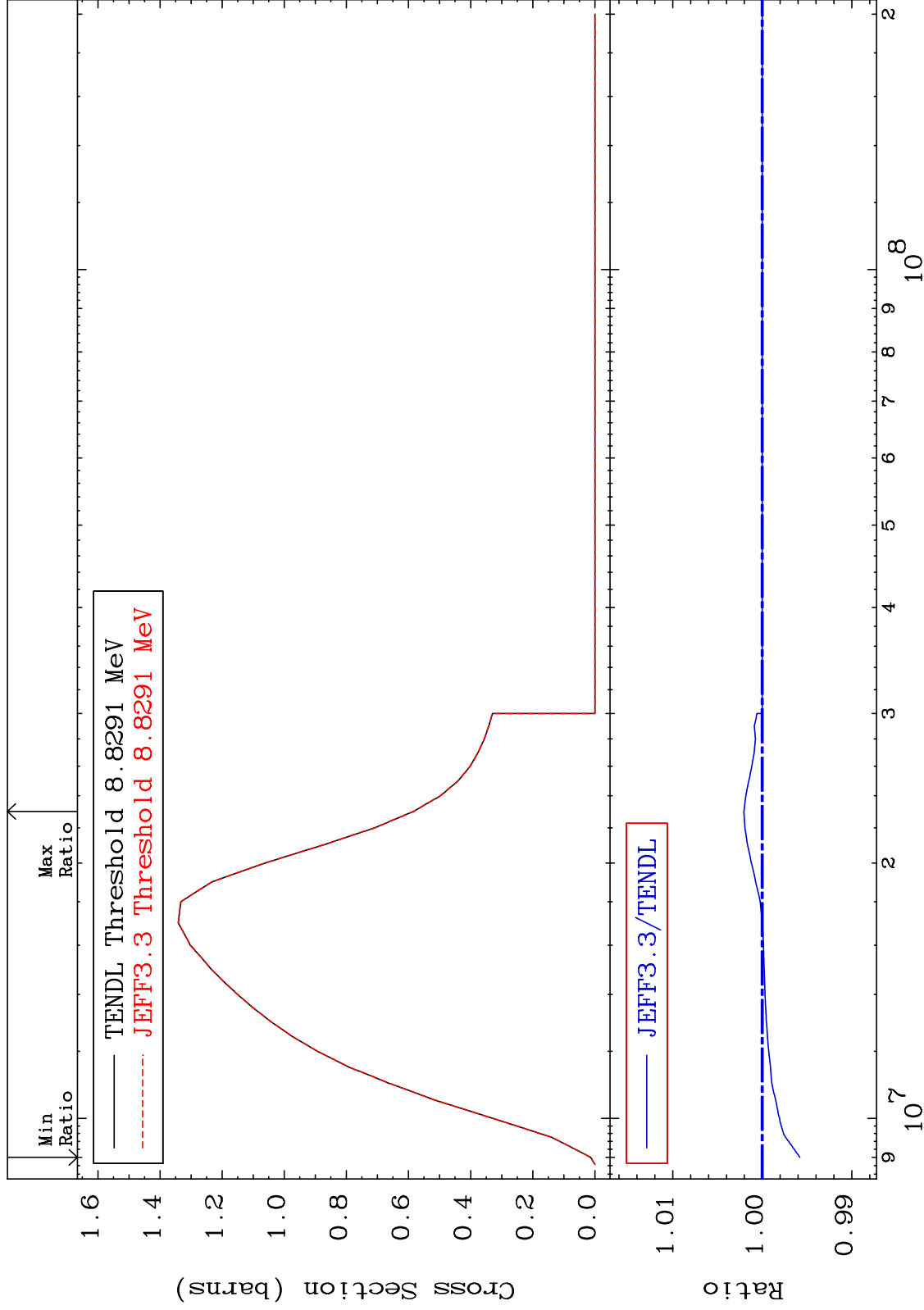


MAT 8031

(n,2n):80-Hg-197m4

80-Hg-198

Radionuclide Production Cross Section -0.419 To 0.205 %



80

Incident Energy (eV)

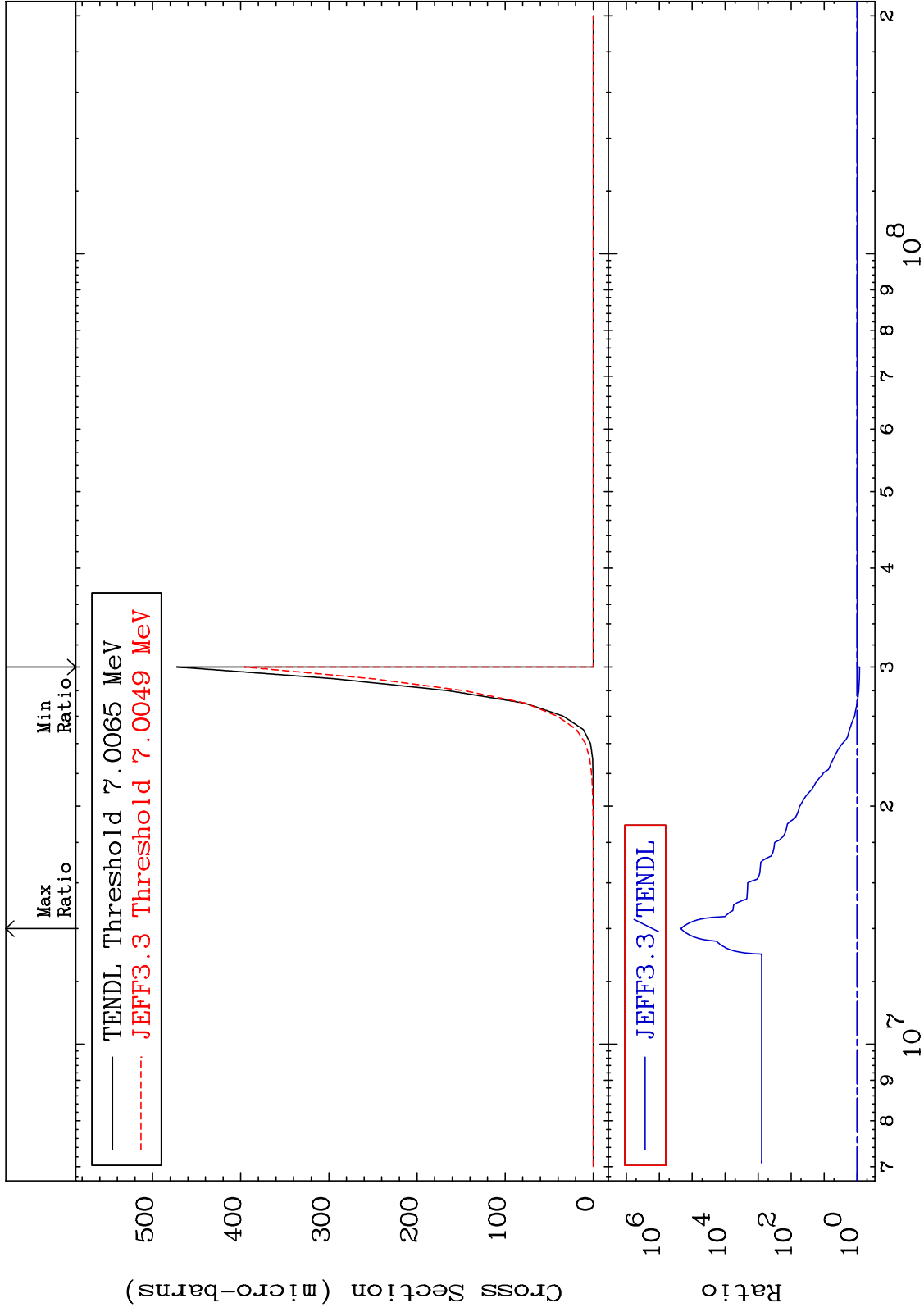
80-Hg-198

MAT 8031

(n,2n)  $\alpha$ : 78-Pt-193g

80-Hg-198

Radionuclide Production Cross Section -16.23 To 9999. %



81

Incident Energy (eV)

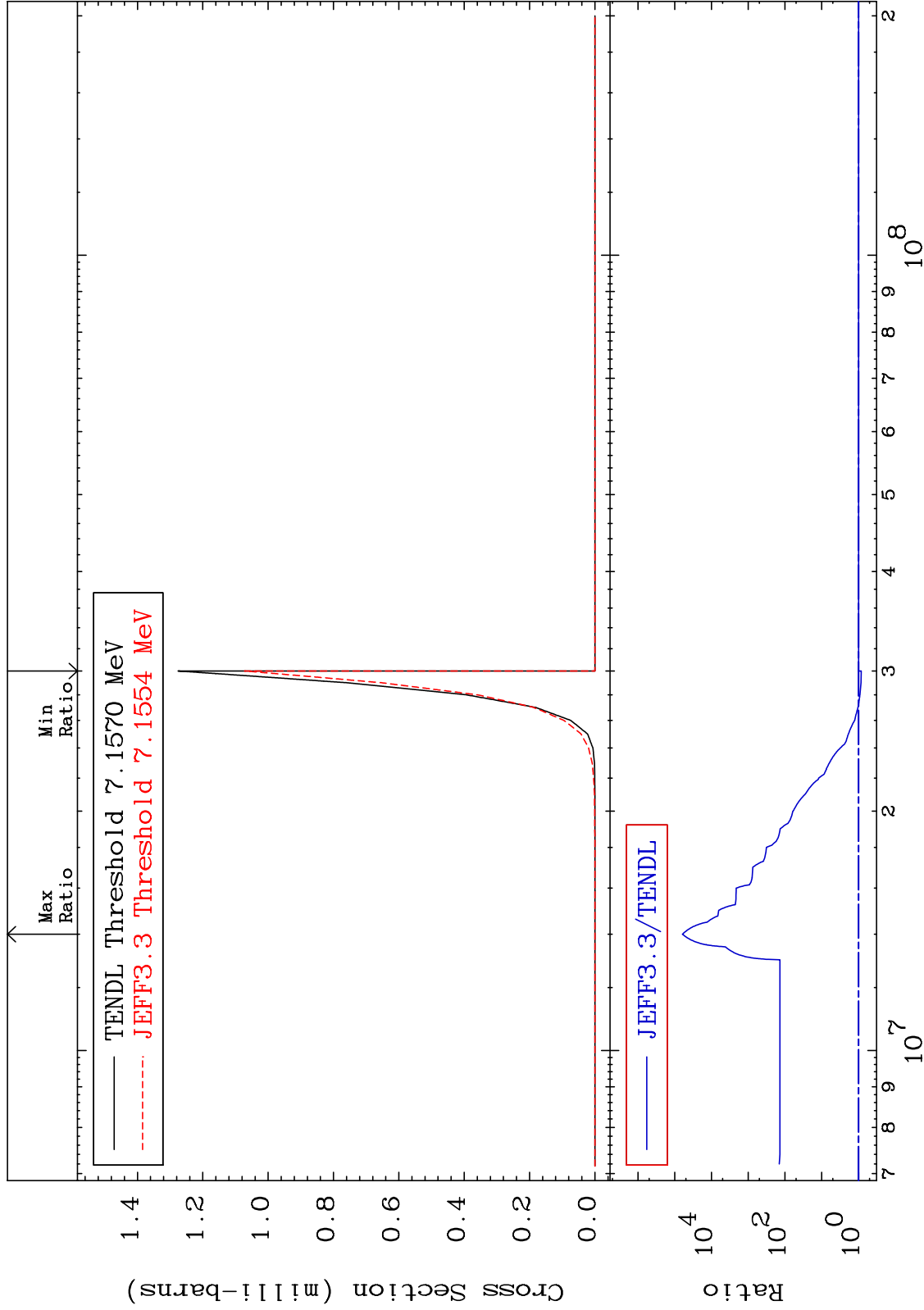
80-Hg-198

MAT 8031

(n,2n)  $\alpha$ :78-Pt-193m5

80-Hg-198

Radionuclide Production Cross Section -15.96 To 9999. %



82

Incident Energy (eV)

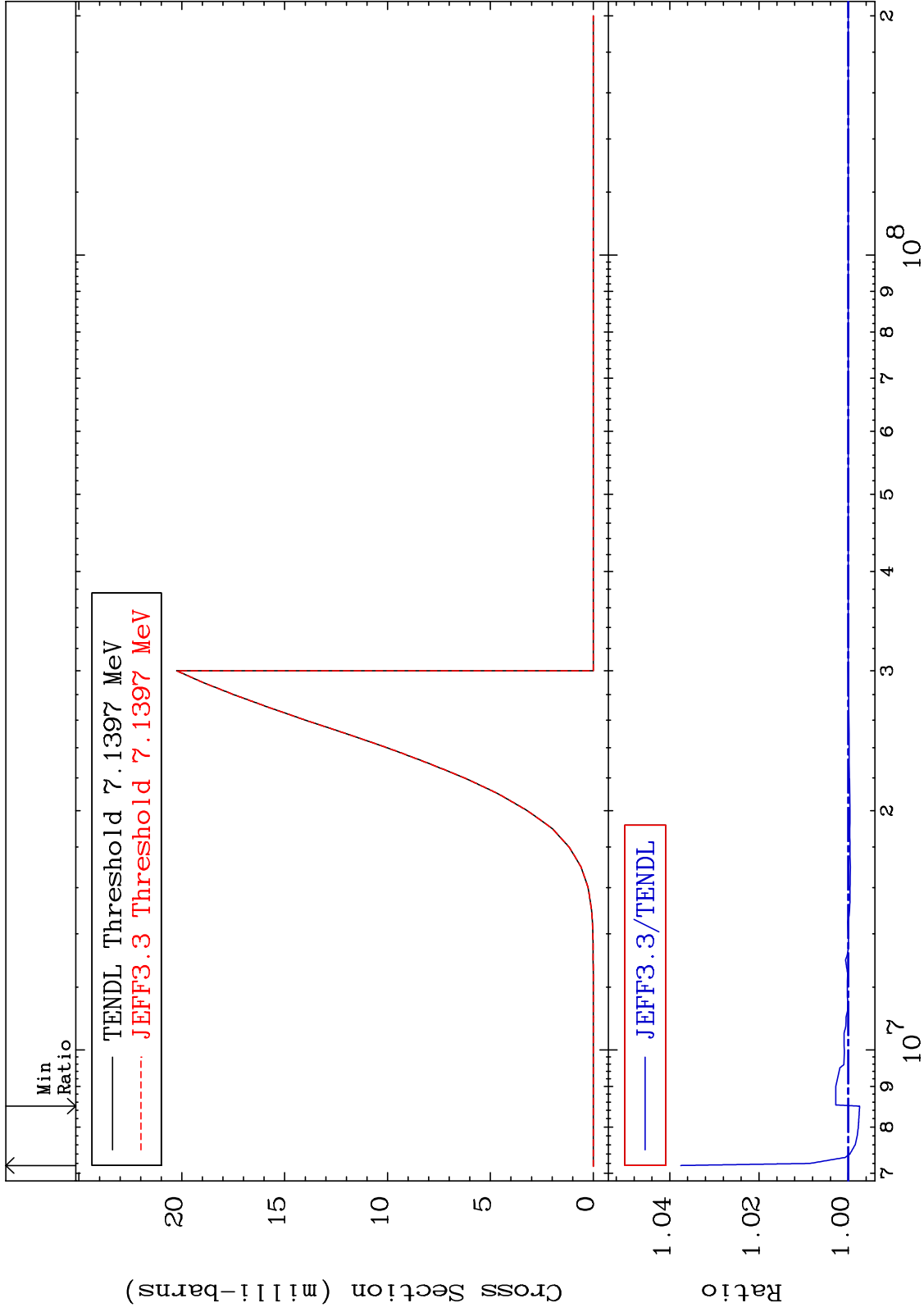
80-Hg-198

MAT 8031

(n, n') p: 79-Au-197g

80-Hg-198

Radionuclide Production Cross Section -0.254 To 3.753 %

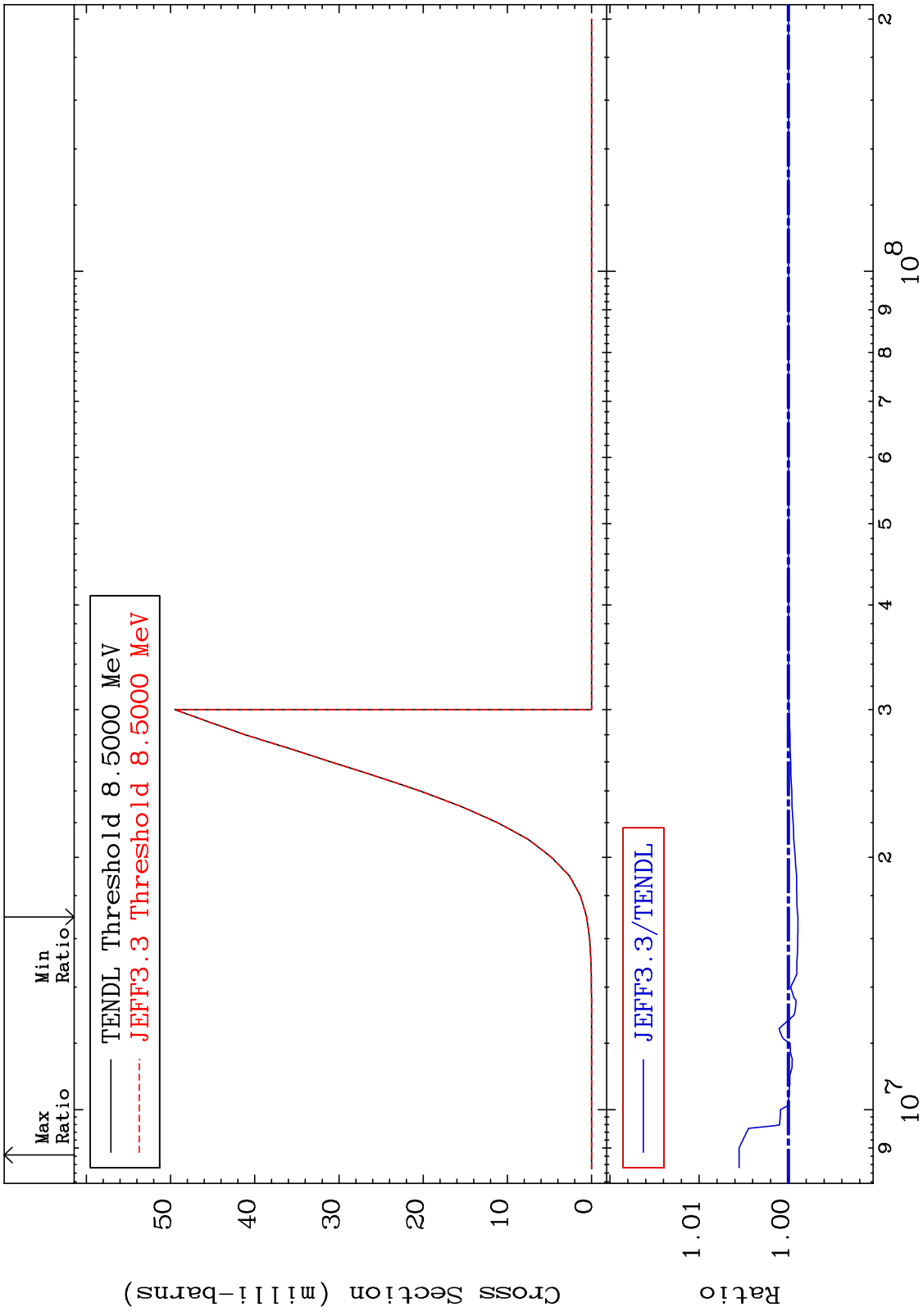


83

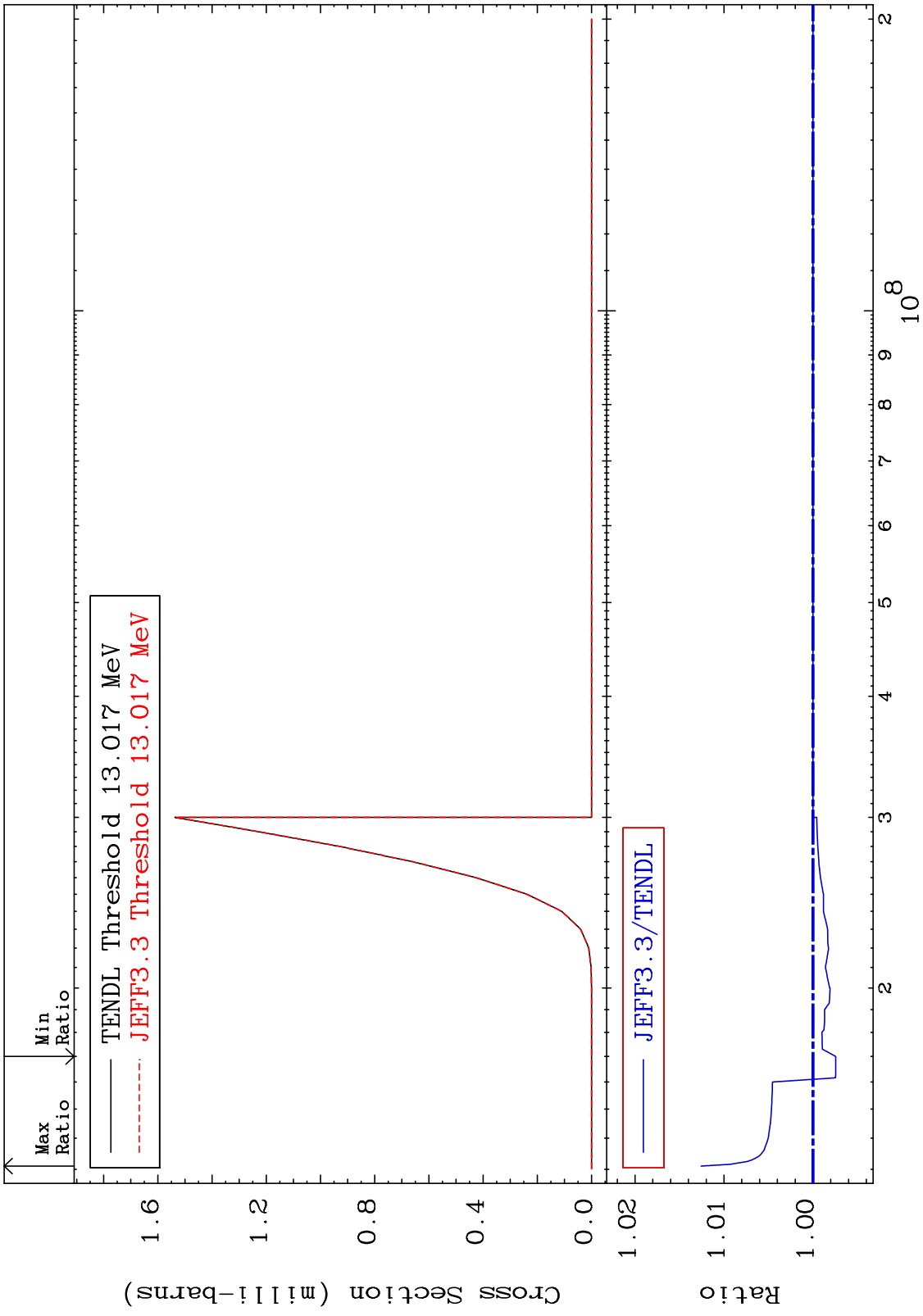
Incident Energy (eV)

80-Hg-198

MAT 8031 (n, n') p:79-Au-197m4 80-Hg-198  
 Radionuclide Production Cross Section -0.106 To 0.553 %



MAT 8031 (n, n') d:79-Au-196g 80-Hg-198  
 Radionuclide Production Cross Section -0.256 To 1.257 %

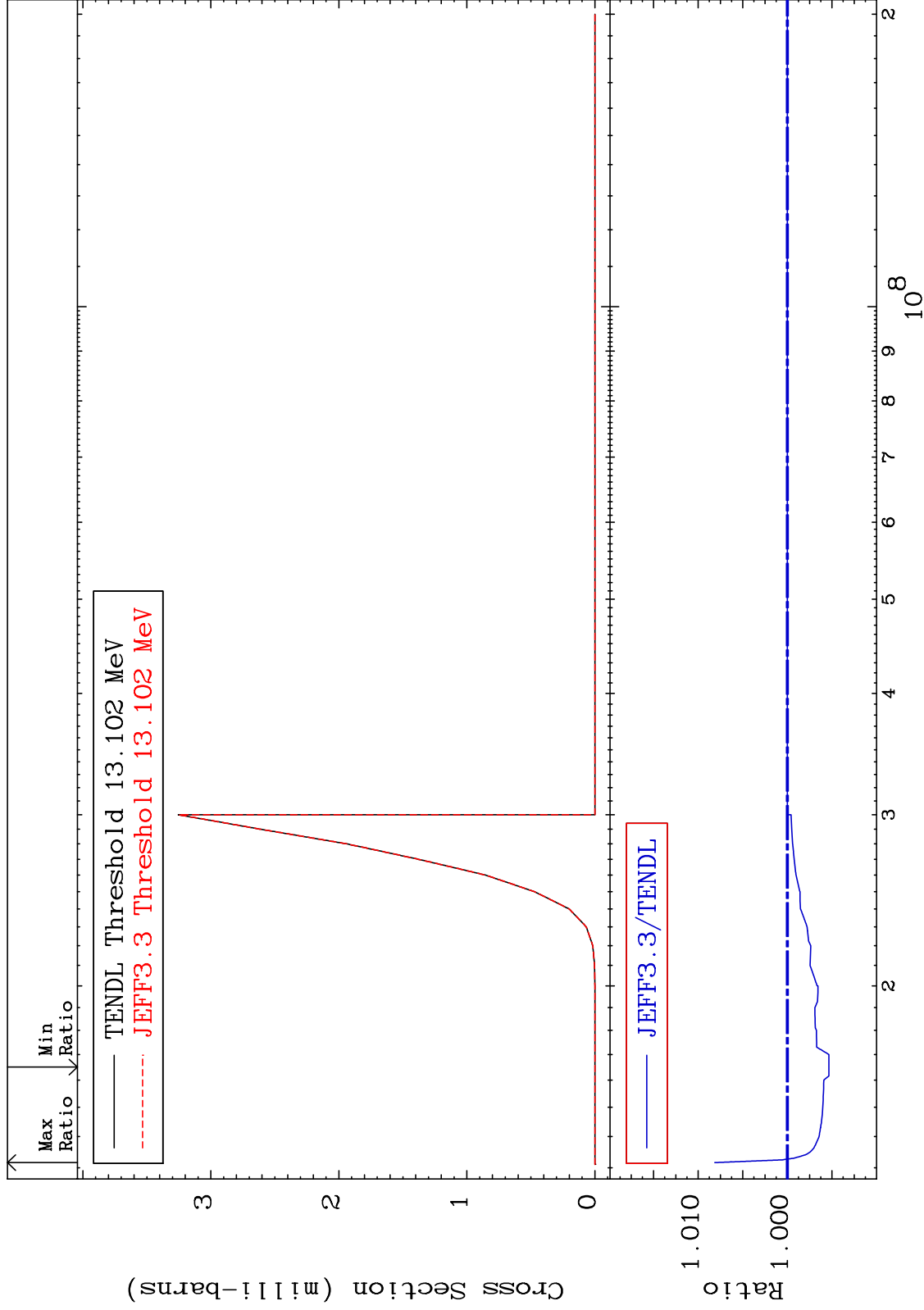


MAT 8031

(n,n') d:79-Au-196m3

80-Hg-198

Radionuclide Production Cross Section -0.465 To 0.812 %

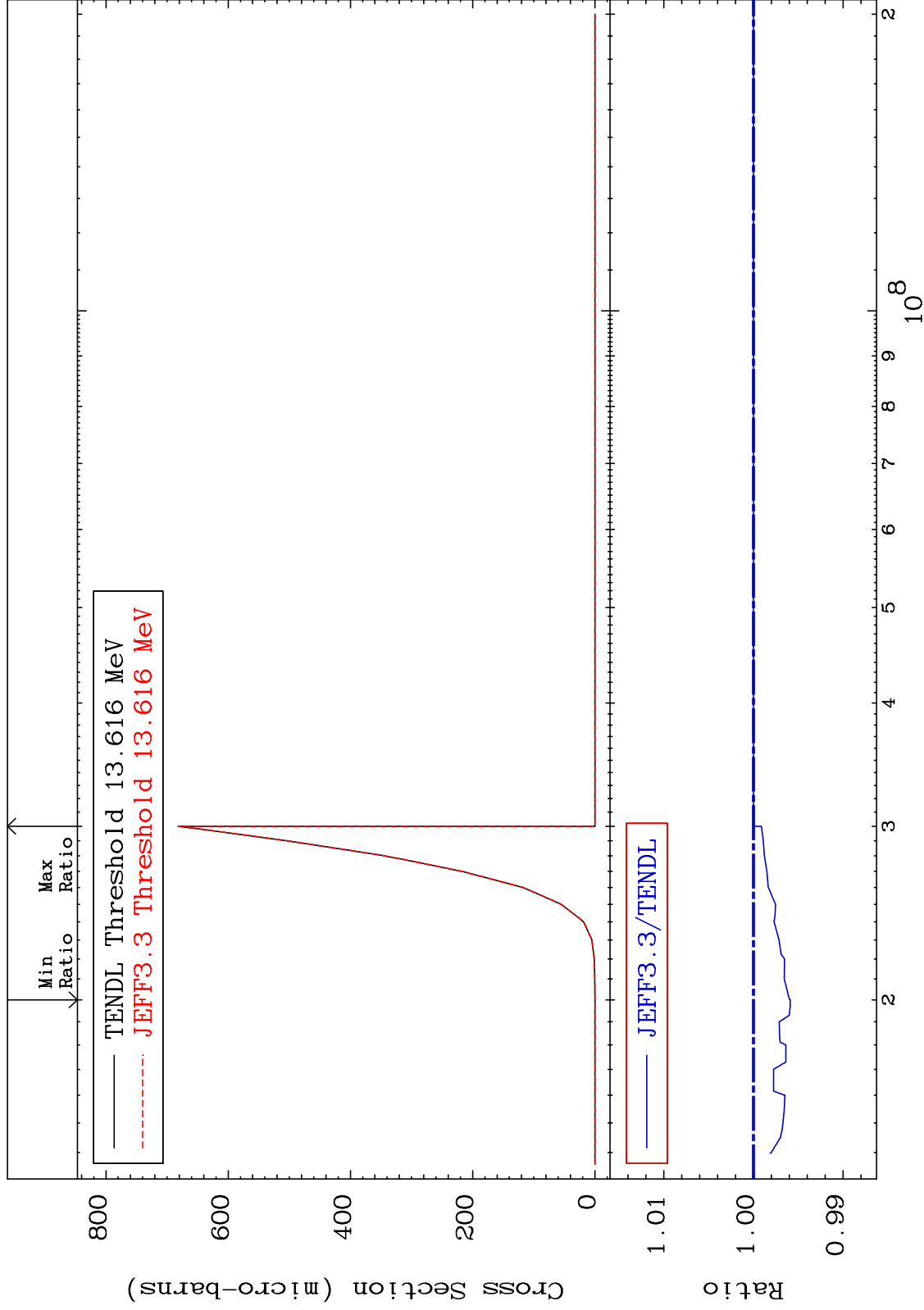


MAT 8031

(n,n') d:79-Au-196m5

80-Hg-198

Radionuclide Production Cross Section -0.411 To 0.000 %



87

Incident Energy (eV)

80-Hg-198

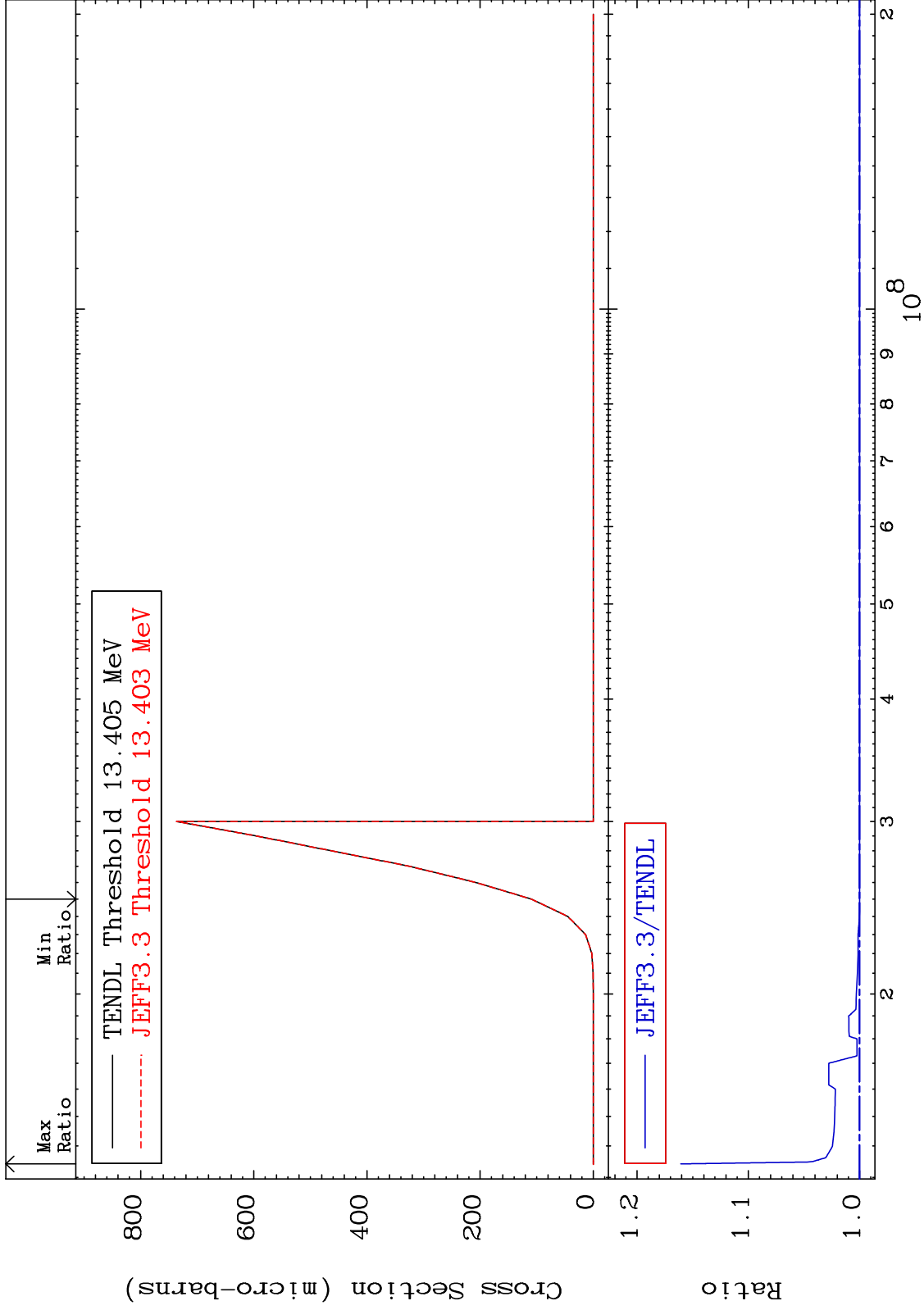


MAT 8031

(n, n') t: 79-Au-195g

80-Hg-198

Radionuclide Production Cross Section -0.008 To 16.07 %

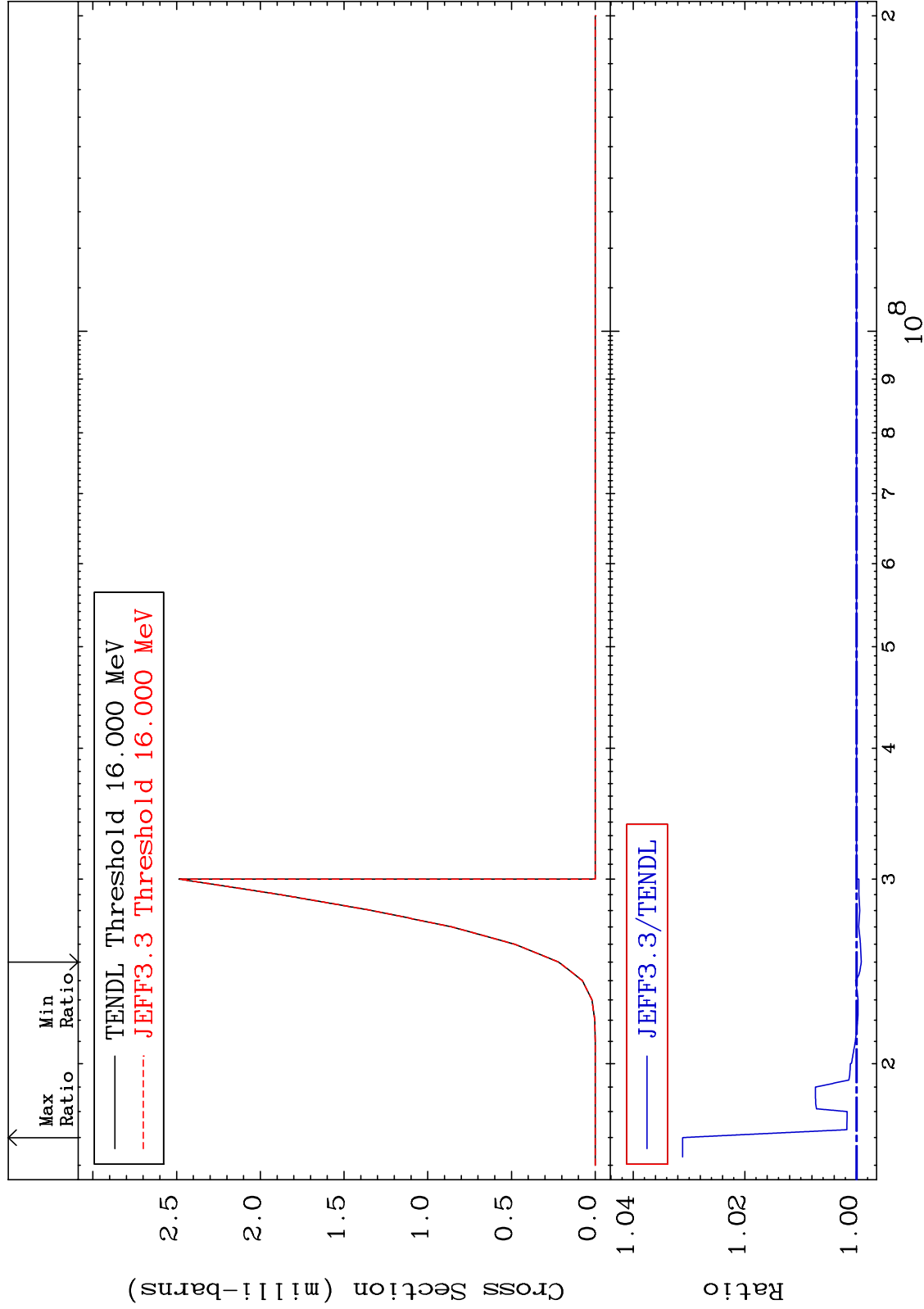


MAT 8031

(n,n') t:79-Au-195m4

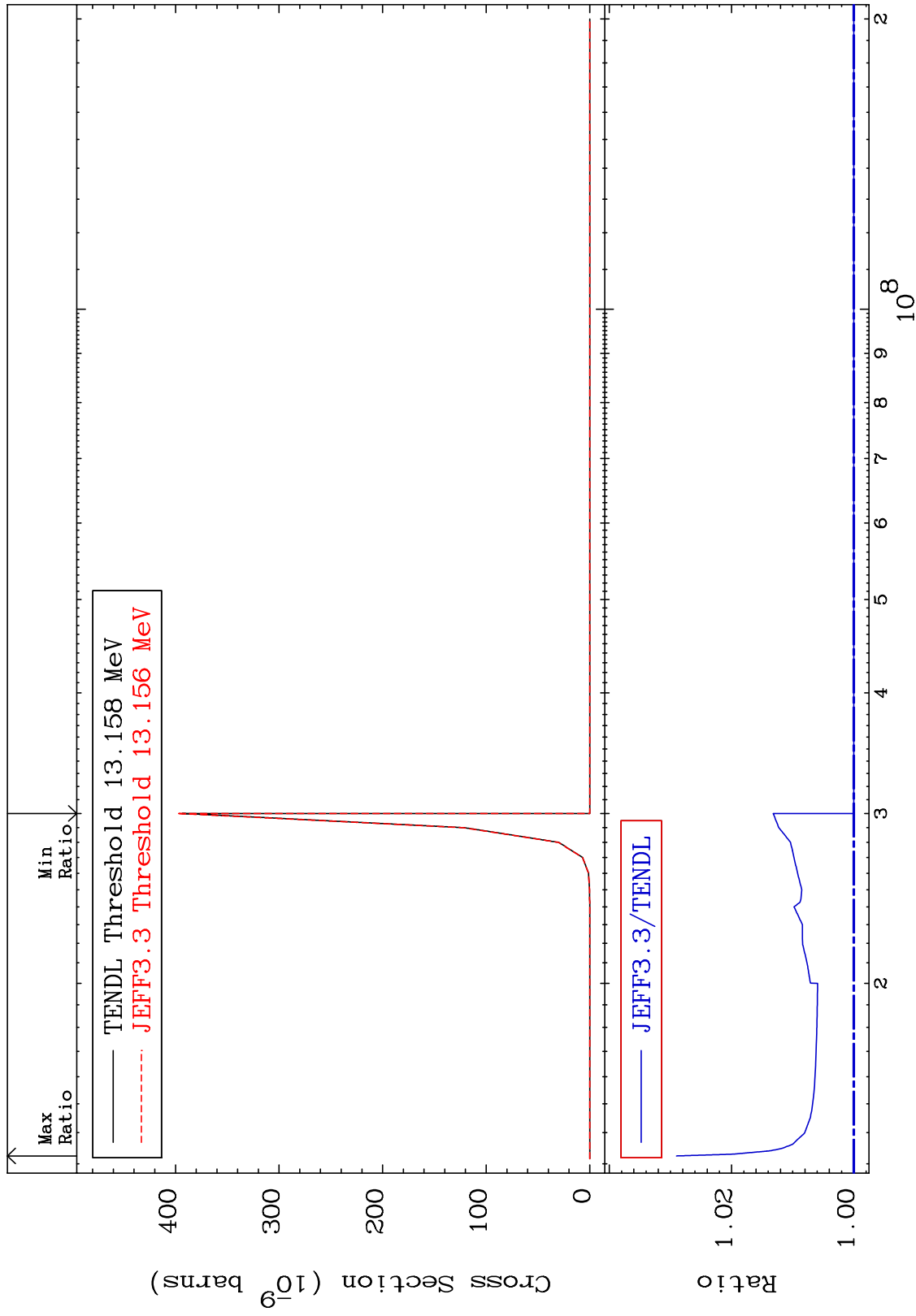
80-Hg-198

Radionuclide Production Cross Section -0.086 To 3.114 %



MAT 8031

(n, n') He-3:78-Pt-195g 80-Hg-198  
Radionuclide Production Cross Section 0.000 To 2.901 %



90

Incident Energy (eV)

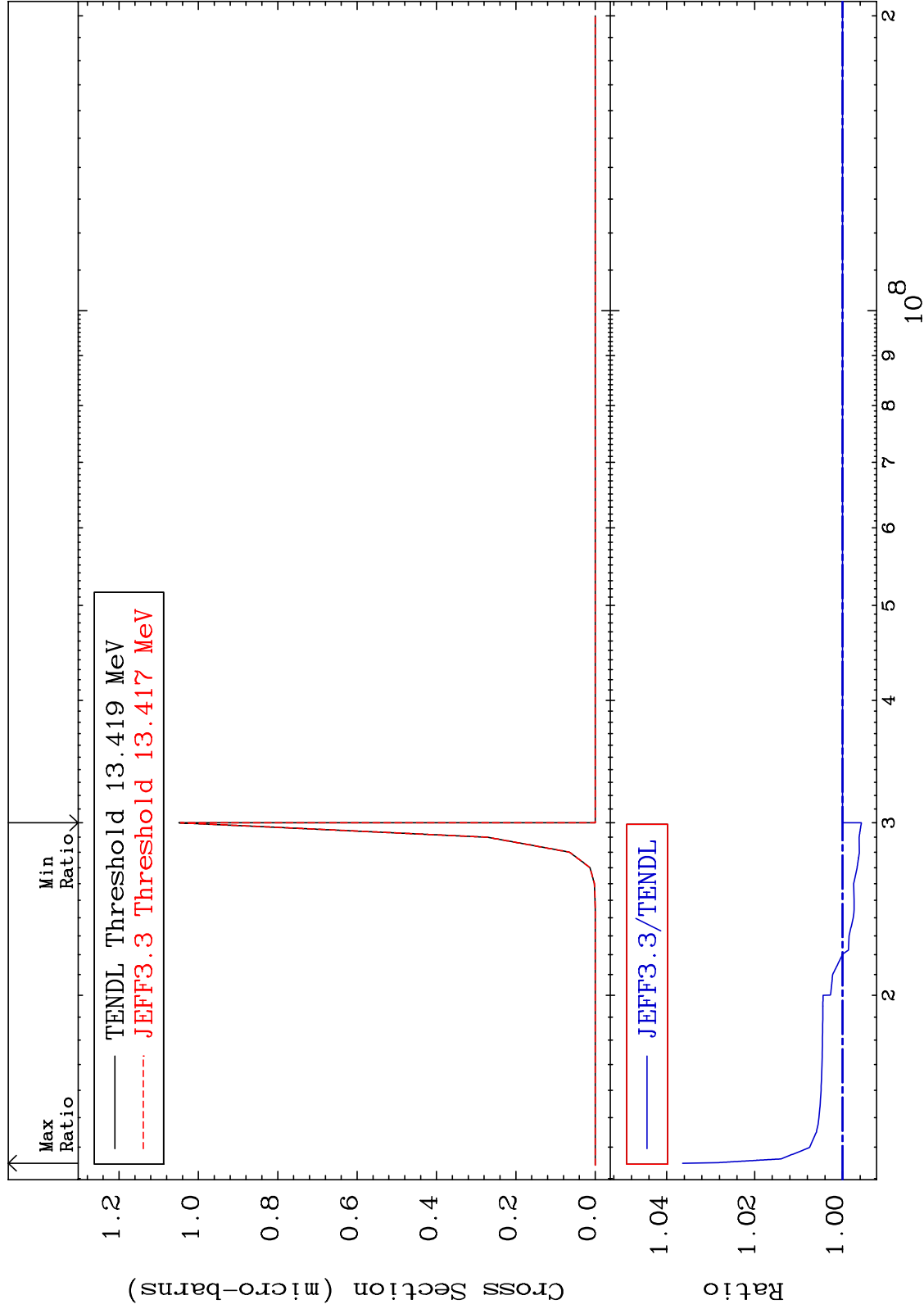
80-Hg-198

MAT 8031

(n, n') He-3:78-Pt-195m7

80-Hg-198

Radionuclide Production Cross Section -0.427 To 3.636 %

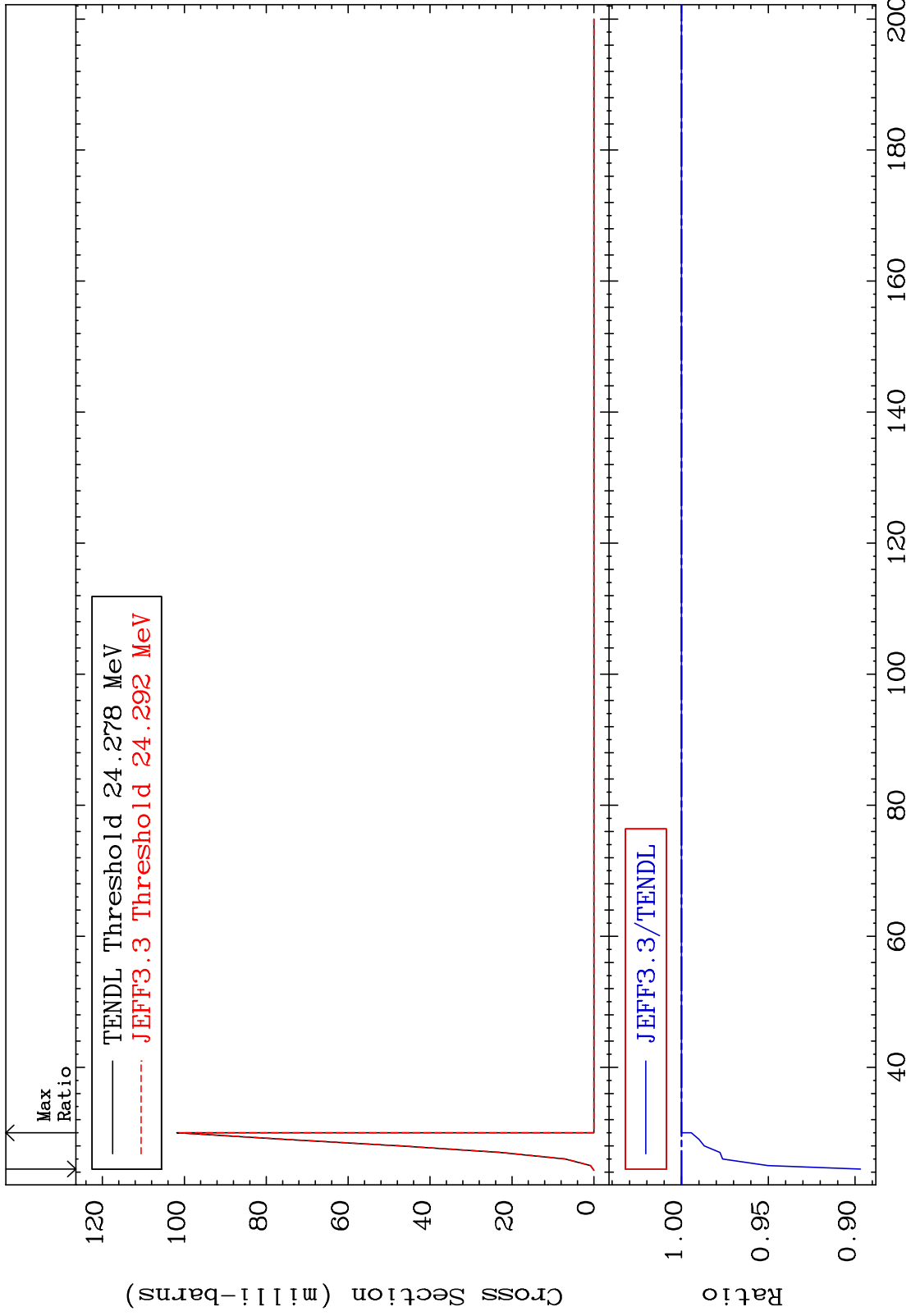


MAT 8031

(n,4n):80-Hg-195g

80-Hg-198

Radionuclide Production Cross Section -10.32 To 0.000 %



92

Incident Energy (MeV)

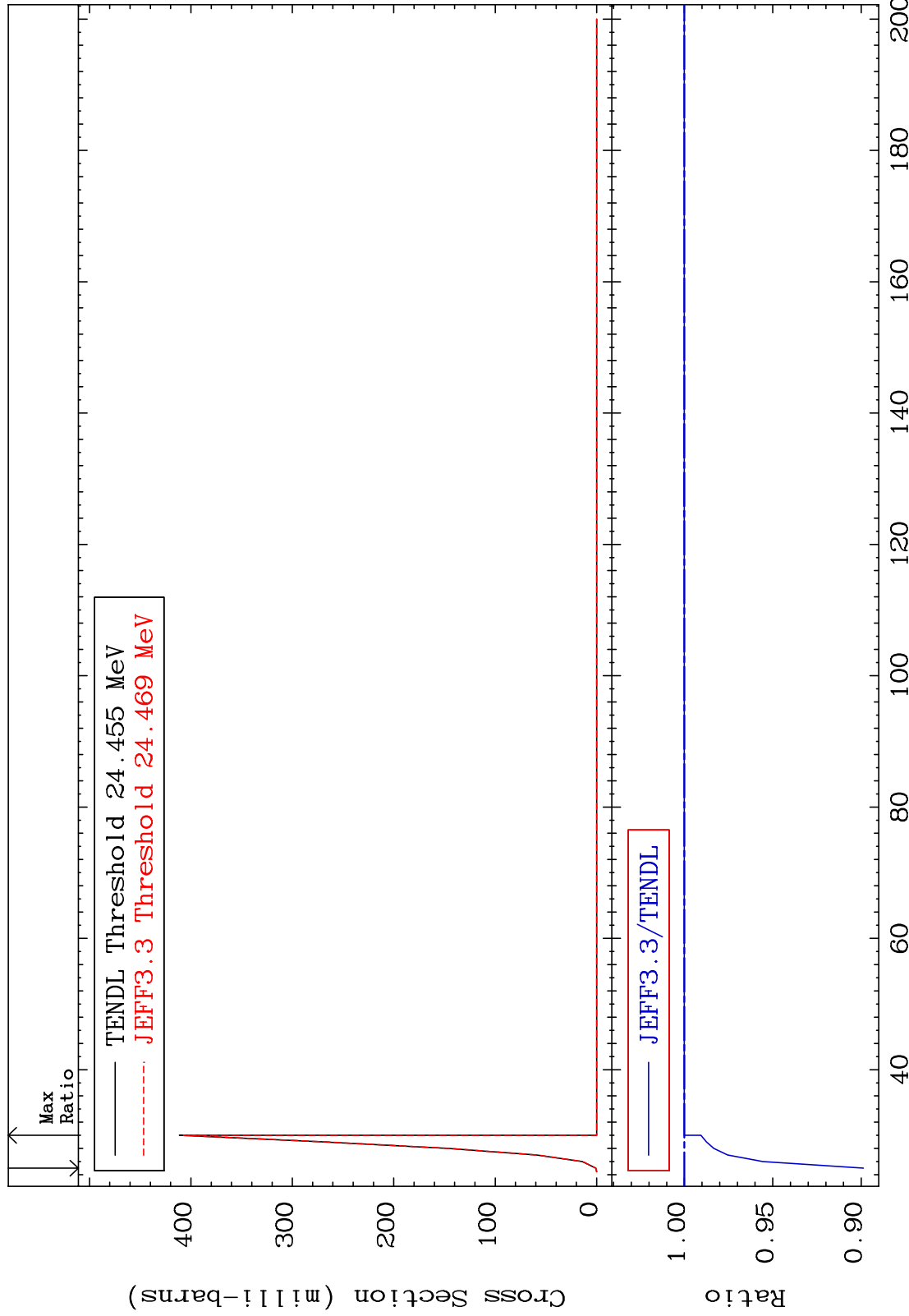
80-Hg-198

MAT 8031

(n,4n):80-Hg-195m3

80-Hg-198

Radionuclide Production Cross Section -10.12 To 0.000 %



93

Incident Energy (MeV)

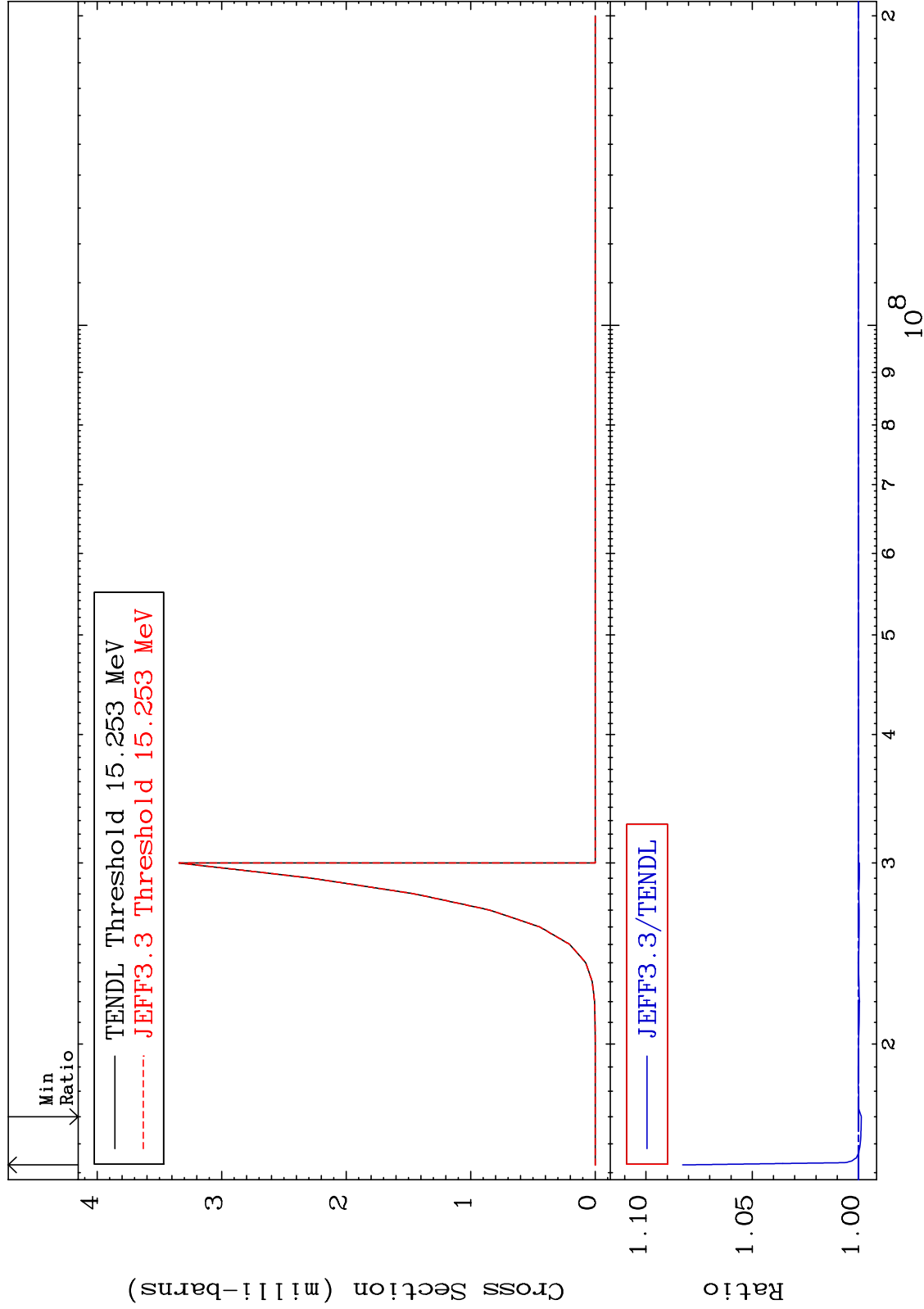
80-Hg-198

MAT 8031

(n,2n) p:79-Au-196g

80-Hg-198

Radionuclide Production Cross Section -0.135 To 8.274 %

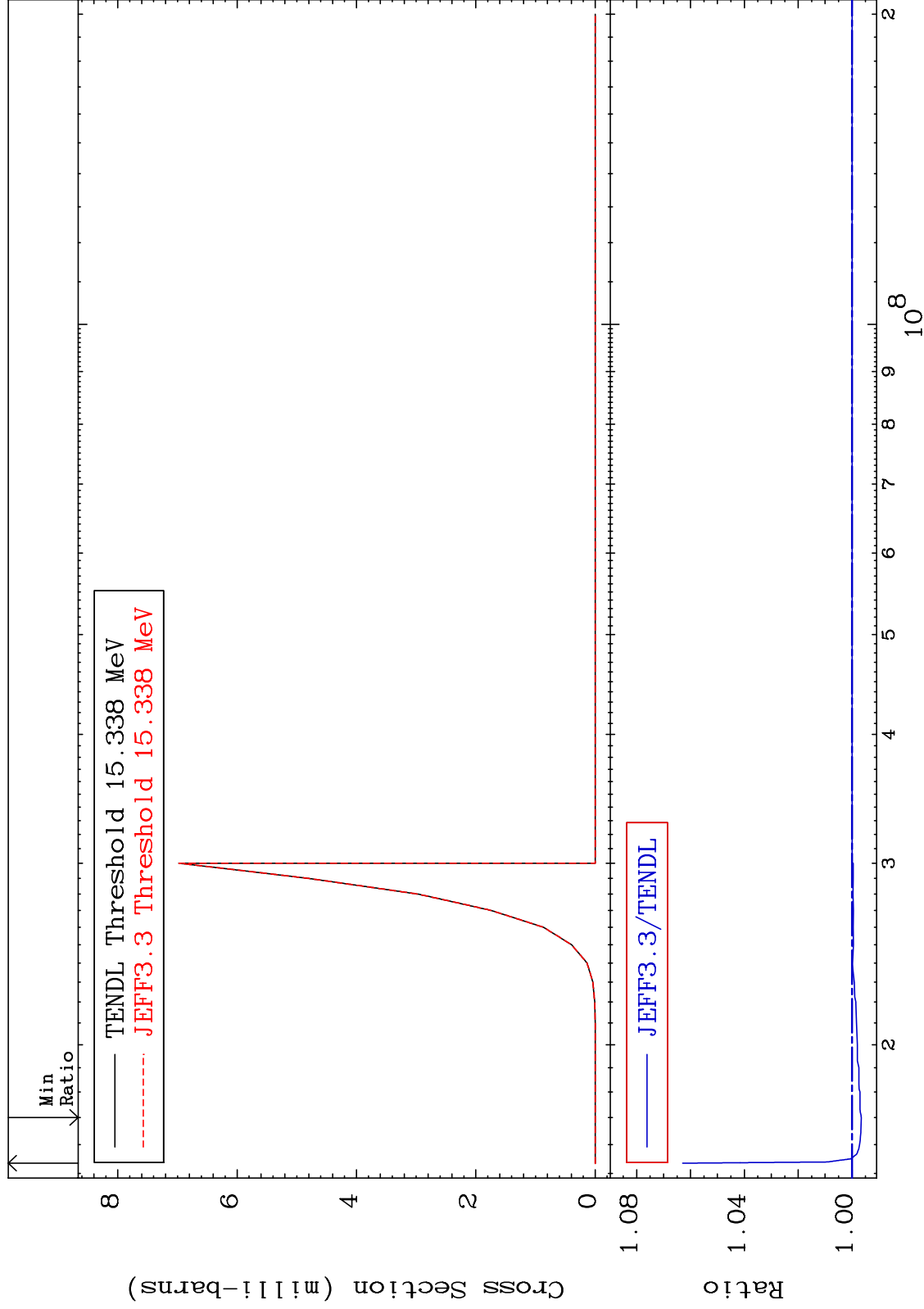


MAT 8031

(n,2n) p:79-Au-196m3

80-Hg-198

Radionuclide Production Cross Section -0.346 To 6.291 %



95

Incident Energy (eV)

80-Hg-198

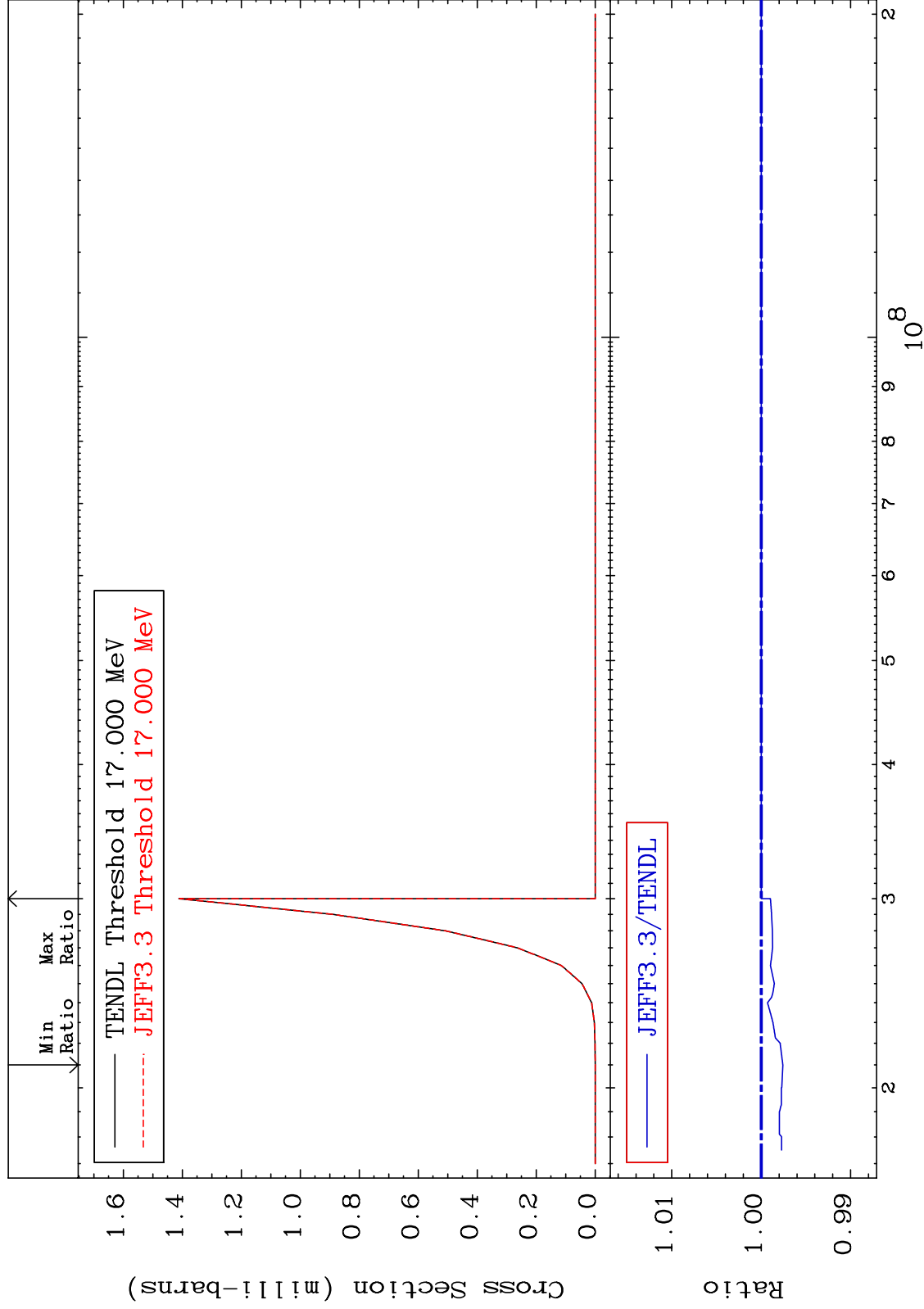


MAT 8031

(n,2n) p:79-Au-196m5

80-Hg-198

Radionuclide Production Cross Section -0.242 To 0.000 %



96

Incident Energy (eV)

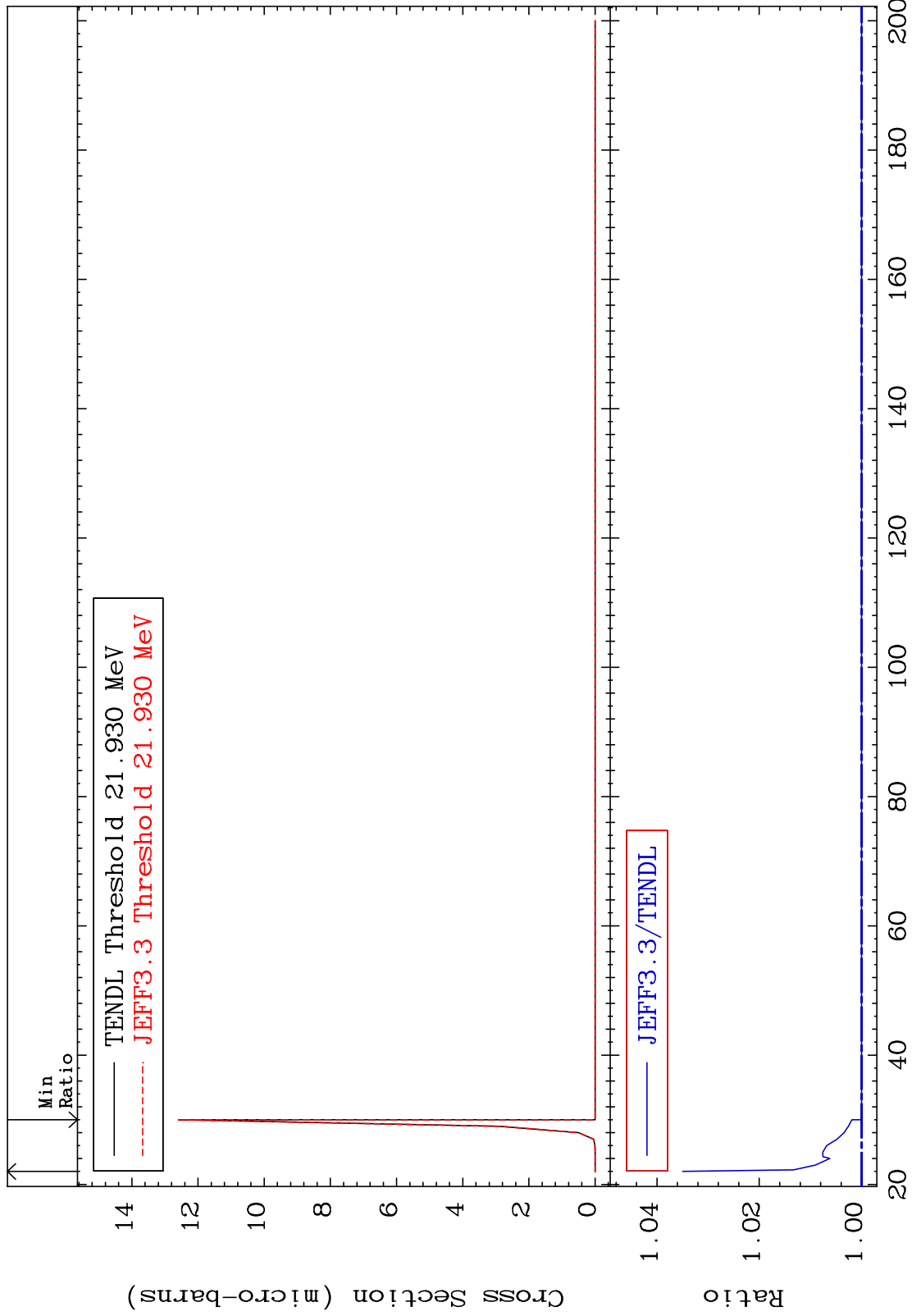
80-Hg-198

MAT 8031

(n,3n) p:79-Au-195g

80-Hg-198

Radionuclide Production Cross Section 0.000 To 3.497 %



97

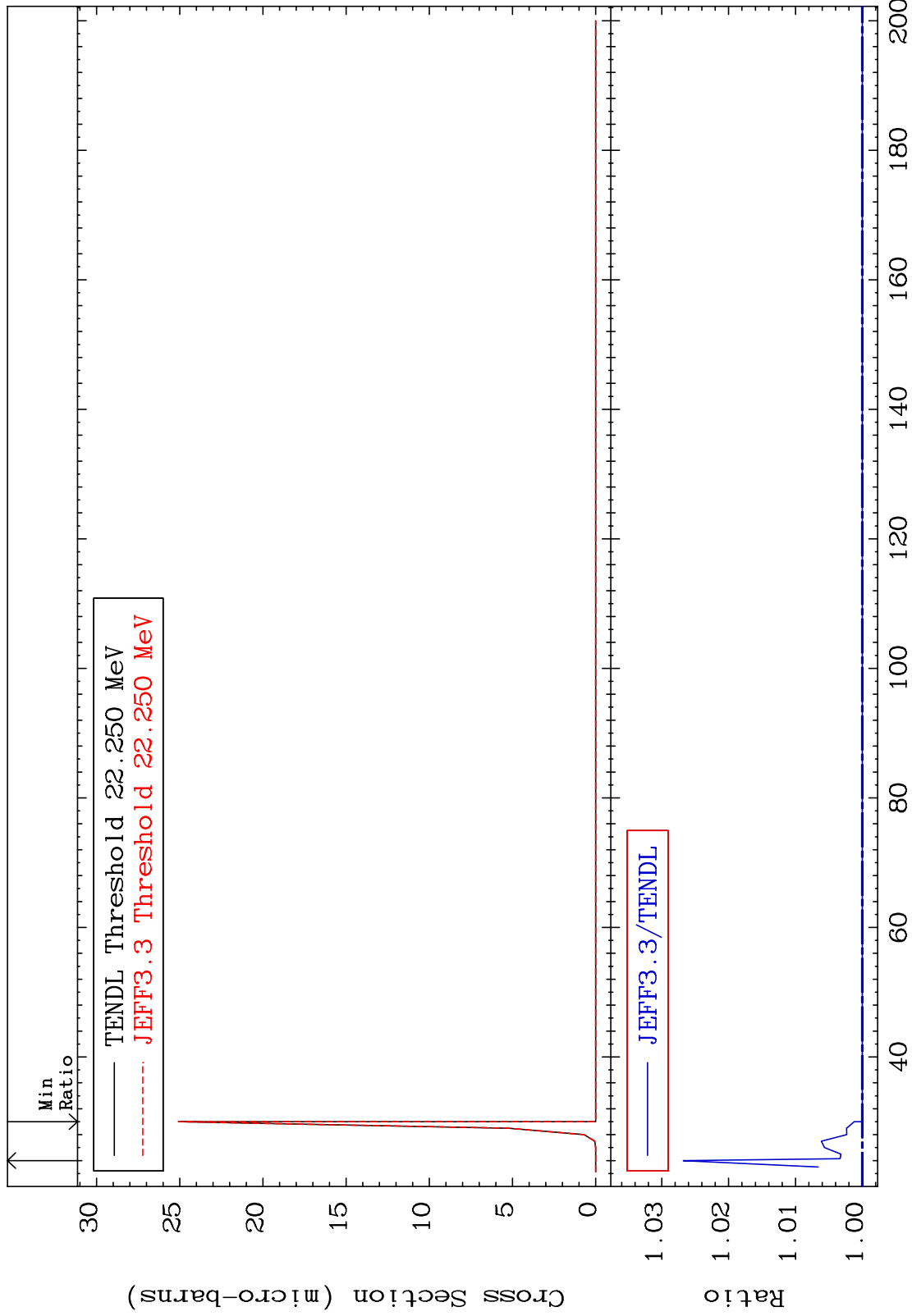
80-Hg-198

MAT 8031

(n,3n) p:79-Au-195m4

80-Hg-198

Radionuclide Production Cross Section 0.000 To 2.678 %

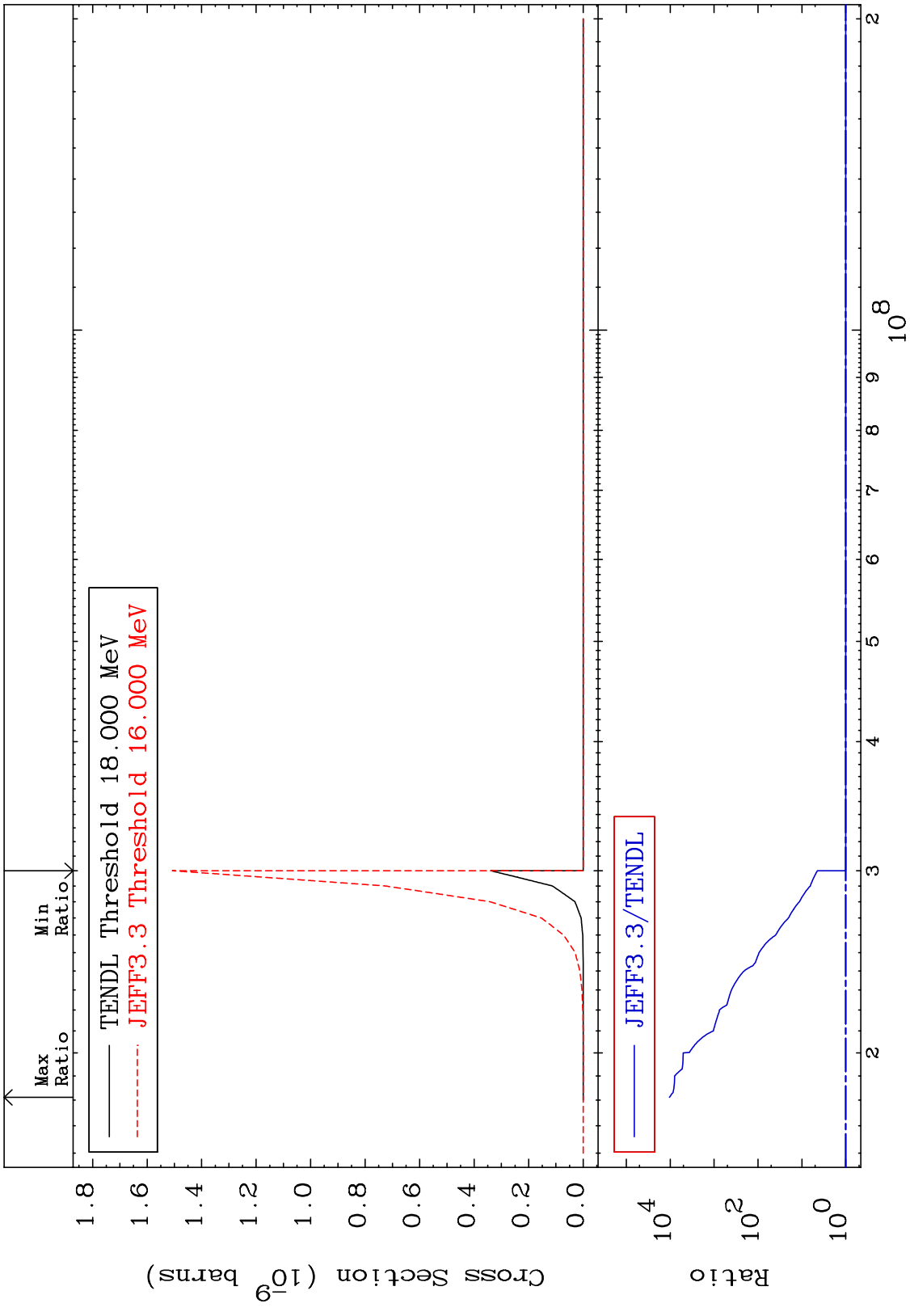


98

Incident Energy (MeV)

80-Hg-198

MAT 8031 (n,n') p α:77-Ir-193g 80-Hg-198  
 Radionuclide Production Cross Section 0.000 To 9999. %

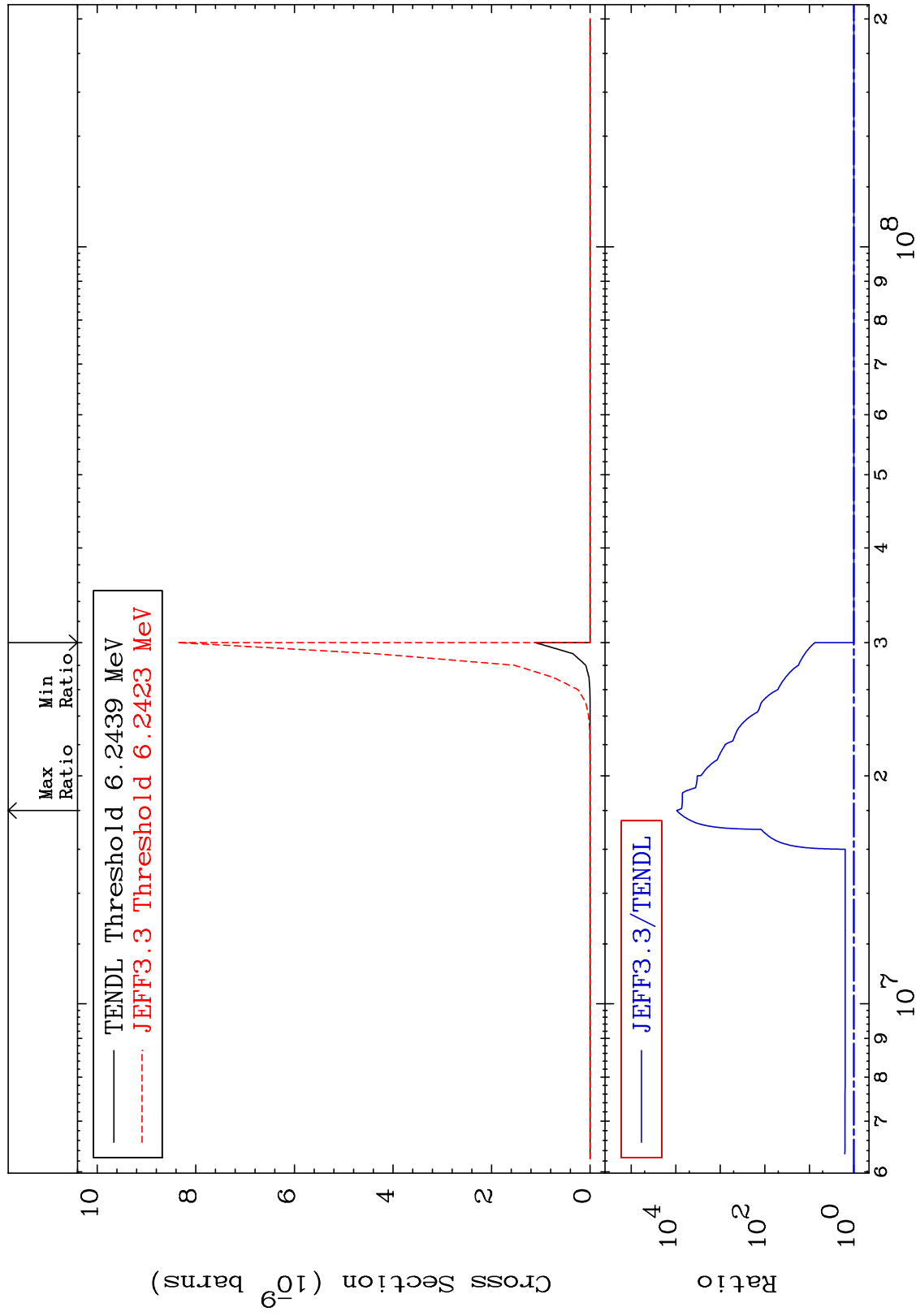


MAT 8031

(n,n') p  $\alpha$ : 77-Ir-193m2

80-Hg-198

Radionuclide Production Cross Section 0.000 To 9999. %



100

Incident Energy (eV)

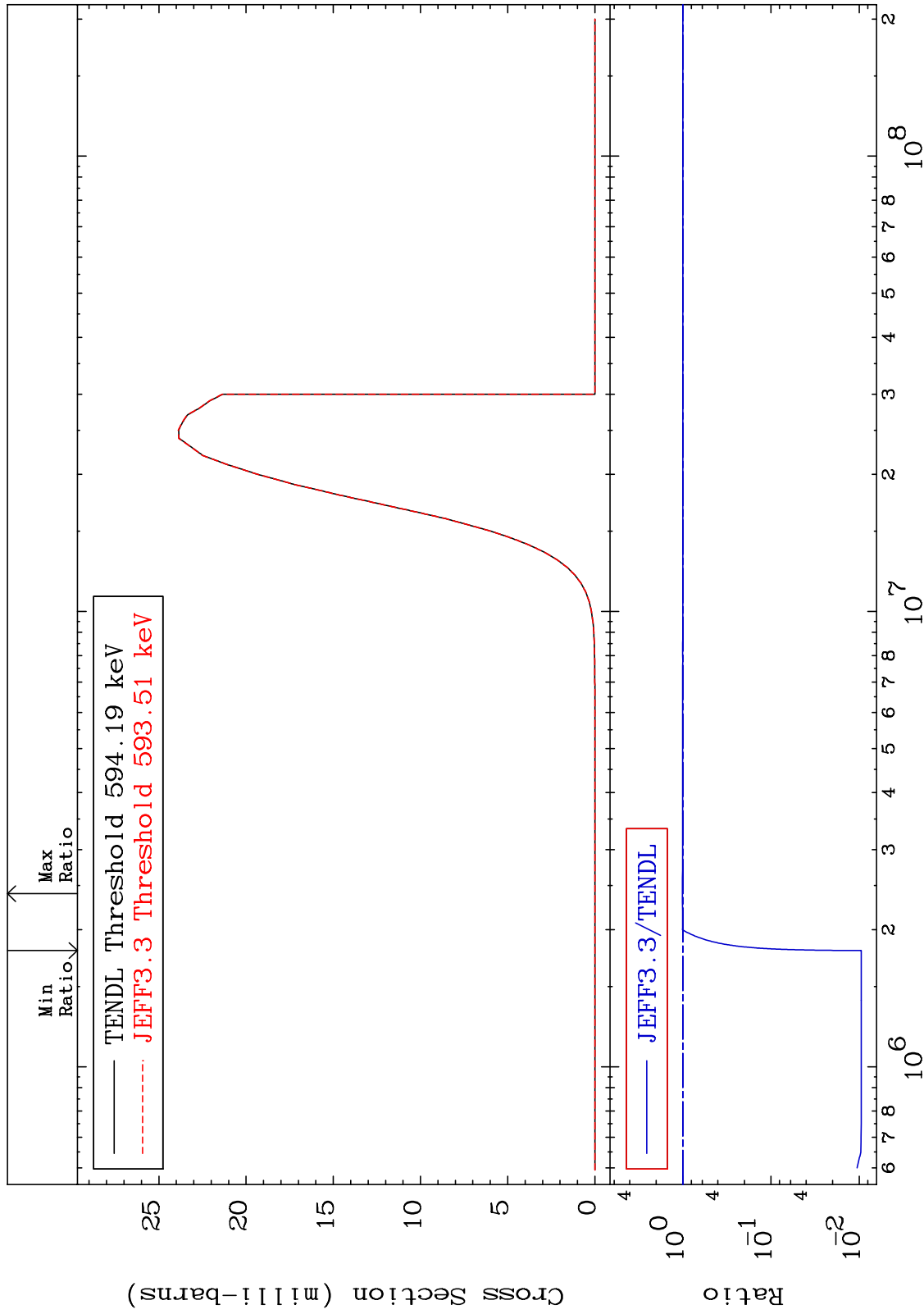
80-Hg-198

MAT 8031

(n,p):79-Au-198g

80-Hg-198

Radionuclide Production Cross Section -99.05 To 0.876 %



101

Incident Energy (eV)

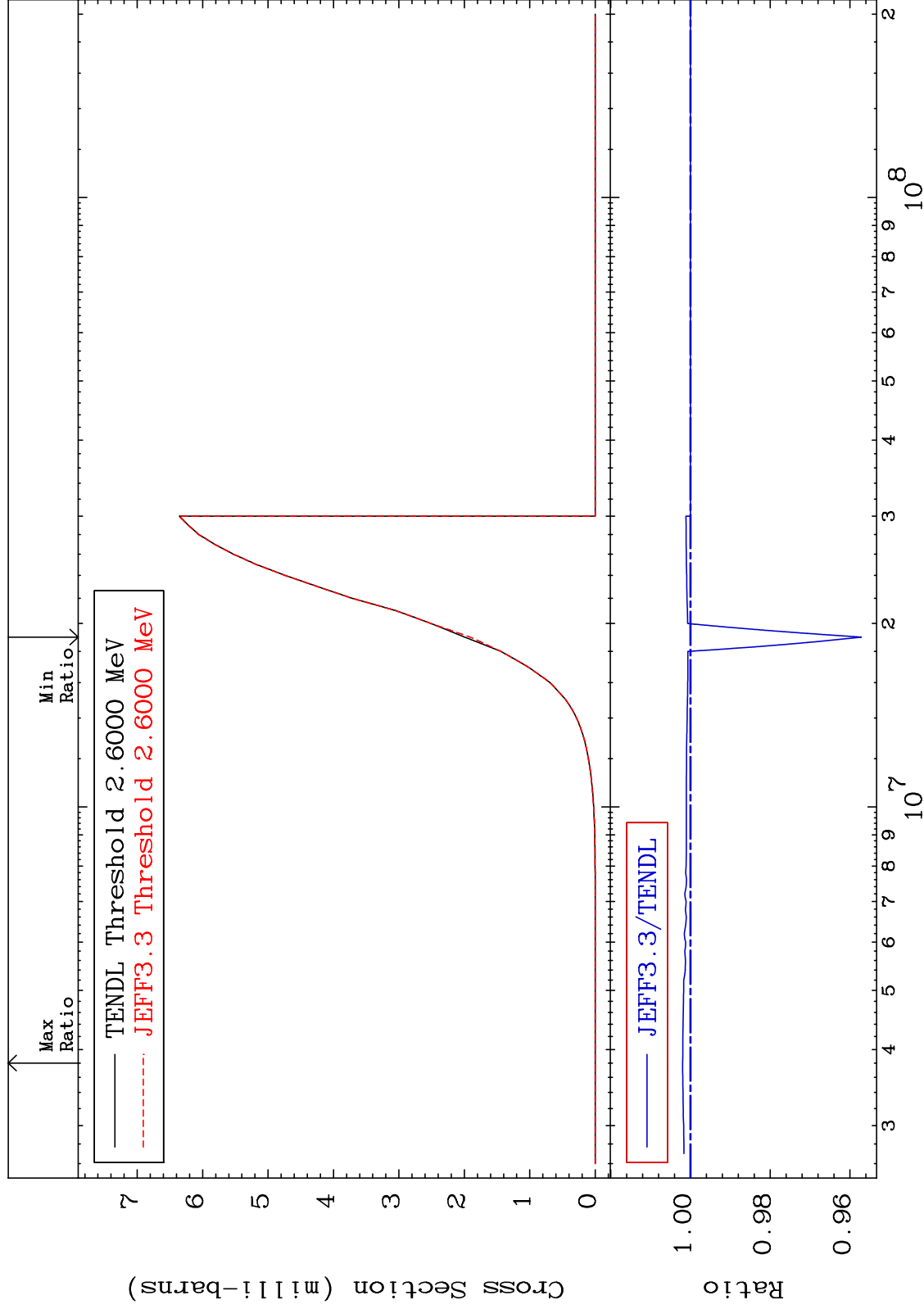
80-Hg-198

MAT 8031

(n, p): 79-Au-198m10

80-Hg-198

Radionuclide Production Cross Section -4.287 To 0.196 %



102

Incident Energy (eV)

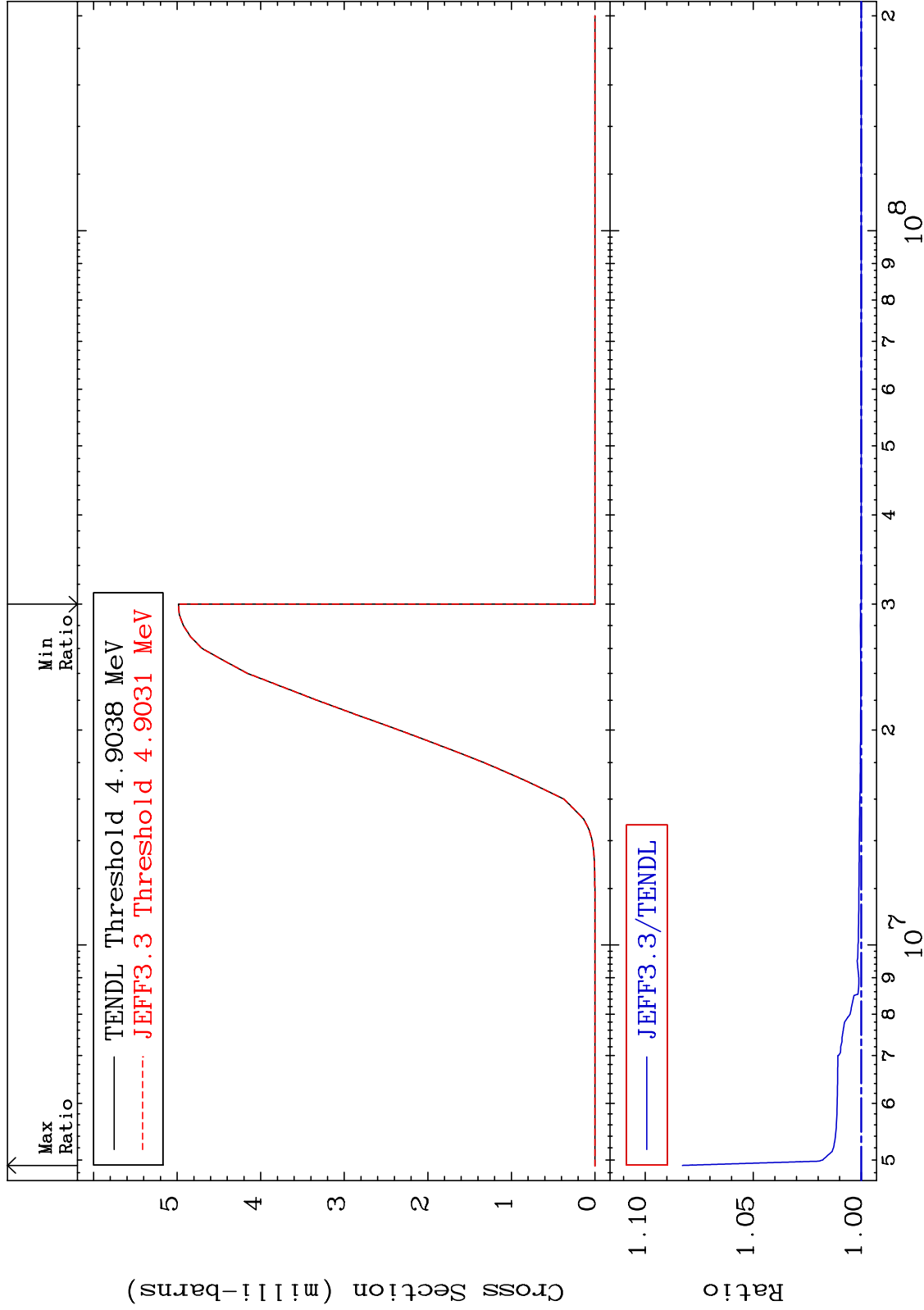
80-Hg-198

MAT 8031

(n,d) : 79-Au-197g

80-Hg-198

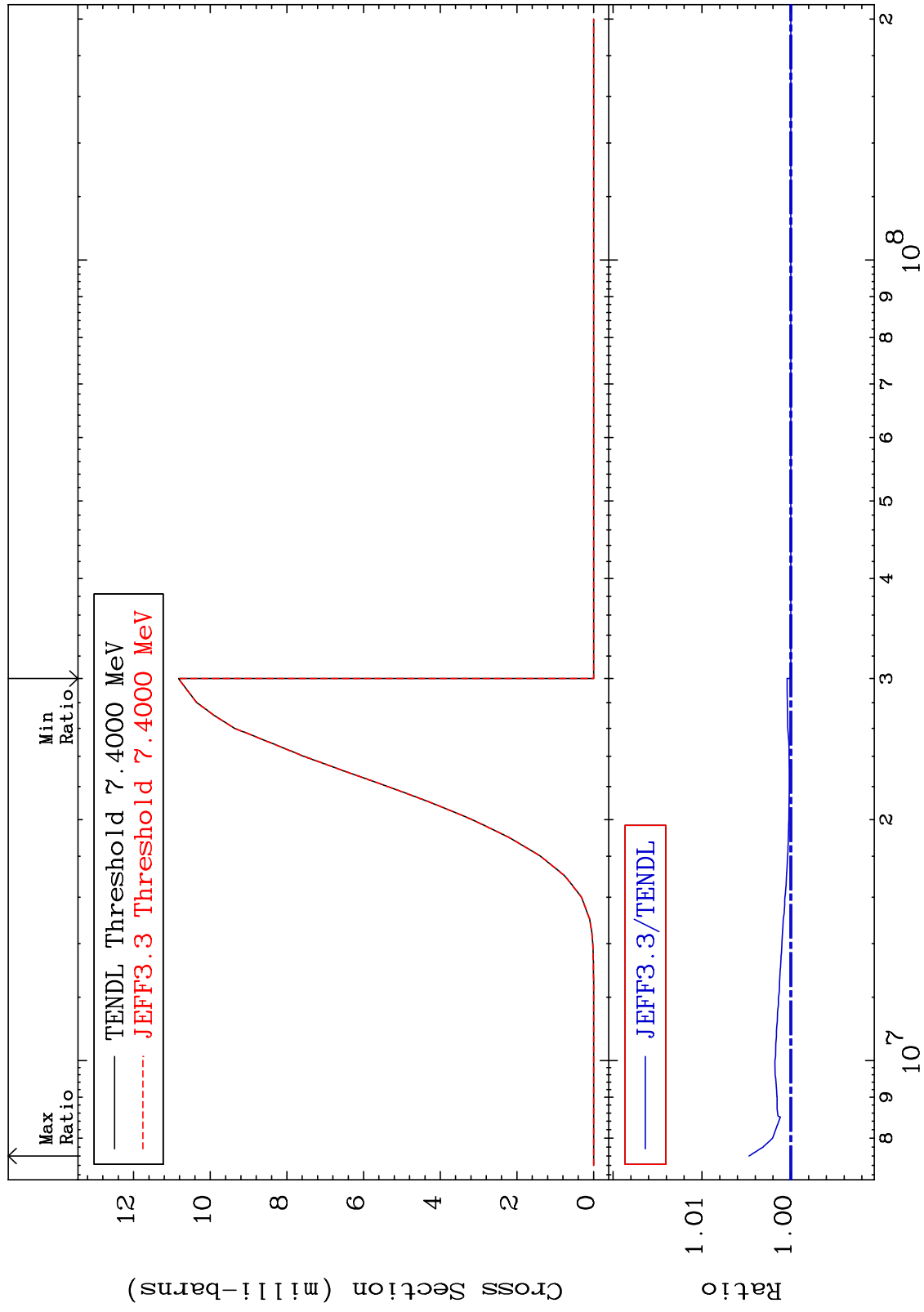
Radionuclide Production Cross Section 0.000 To 8.277 %



103

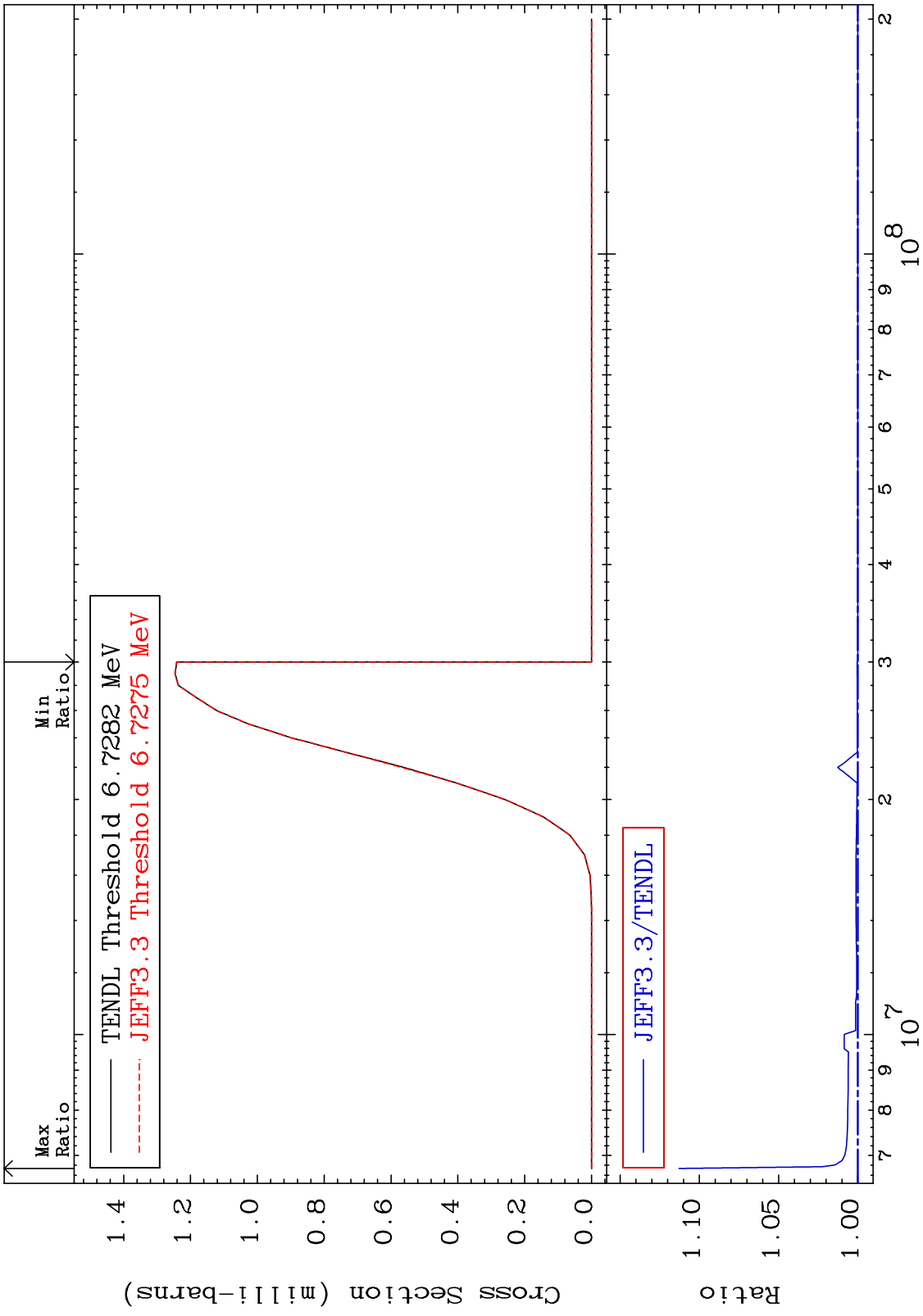


MAT 8031 (n,d):79-Au-197m4 80-Hg-198  
Radionuclide Production Cross Section 0.000 To 0.470 %

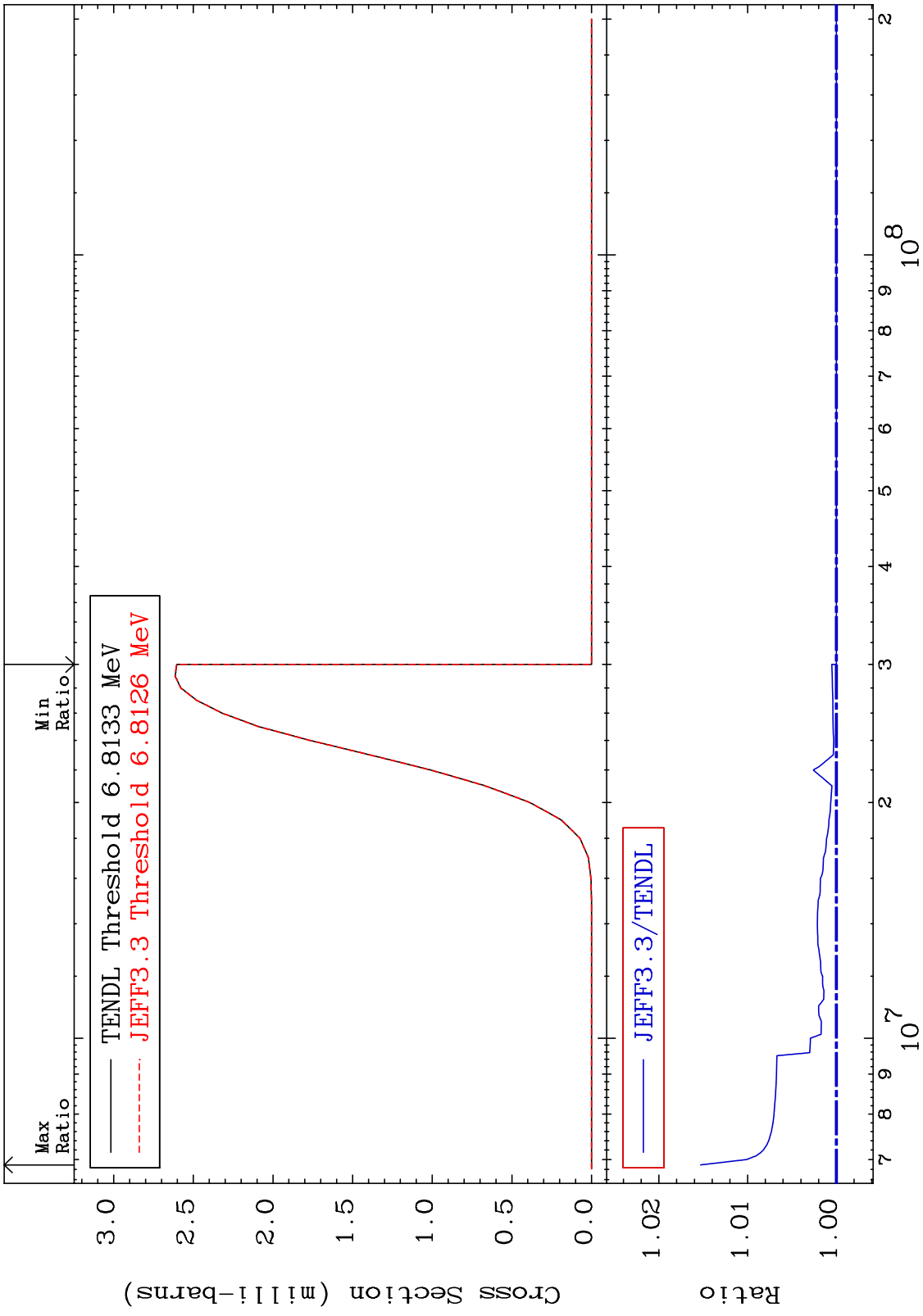


104 80-Hg-198

MAT 8031 (n,t):79-Au-196g 80-Hg-198  
 Radionuclide Production Cross Section 0.000 To 11.28 %



MAT 8031 (n, t) : 79-Au-196m3 80-Hg-198  
 Radionuclide Production Cross Section 0.000 To 1.531 %

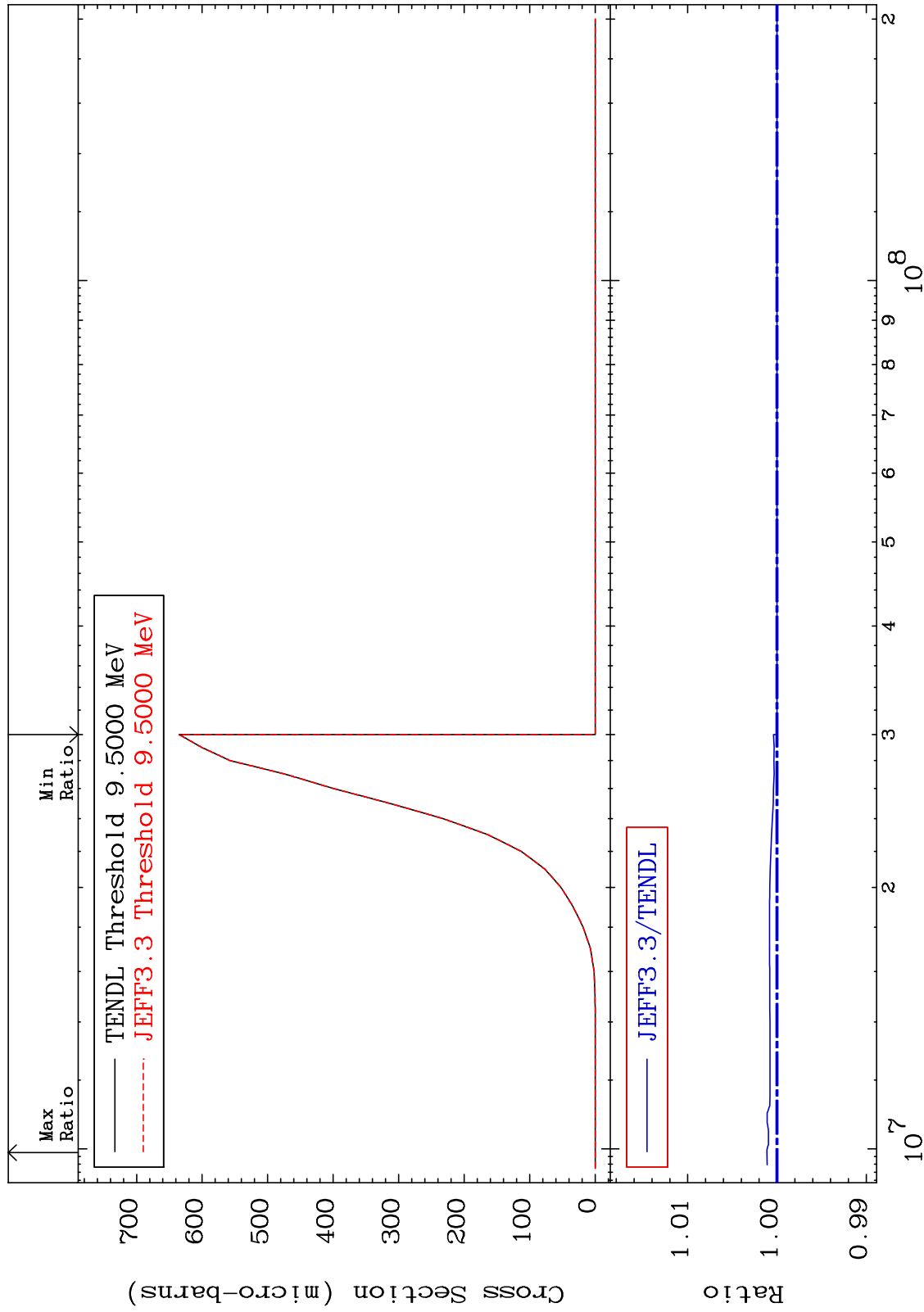


MAT 8031

(n, t) : 79-Au-196m5

80-Hg-198

Radionuclide Production Cross Section 0.000 To 0.112 %

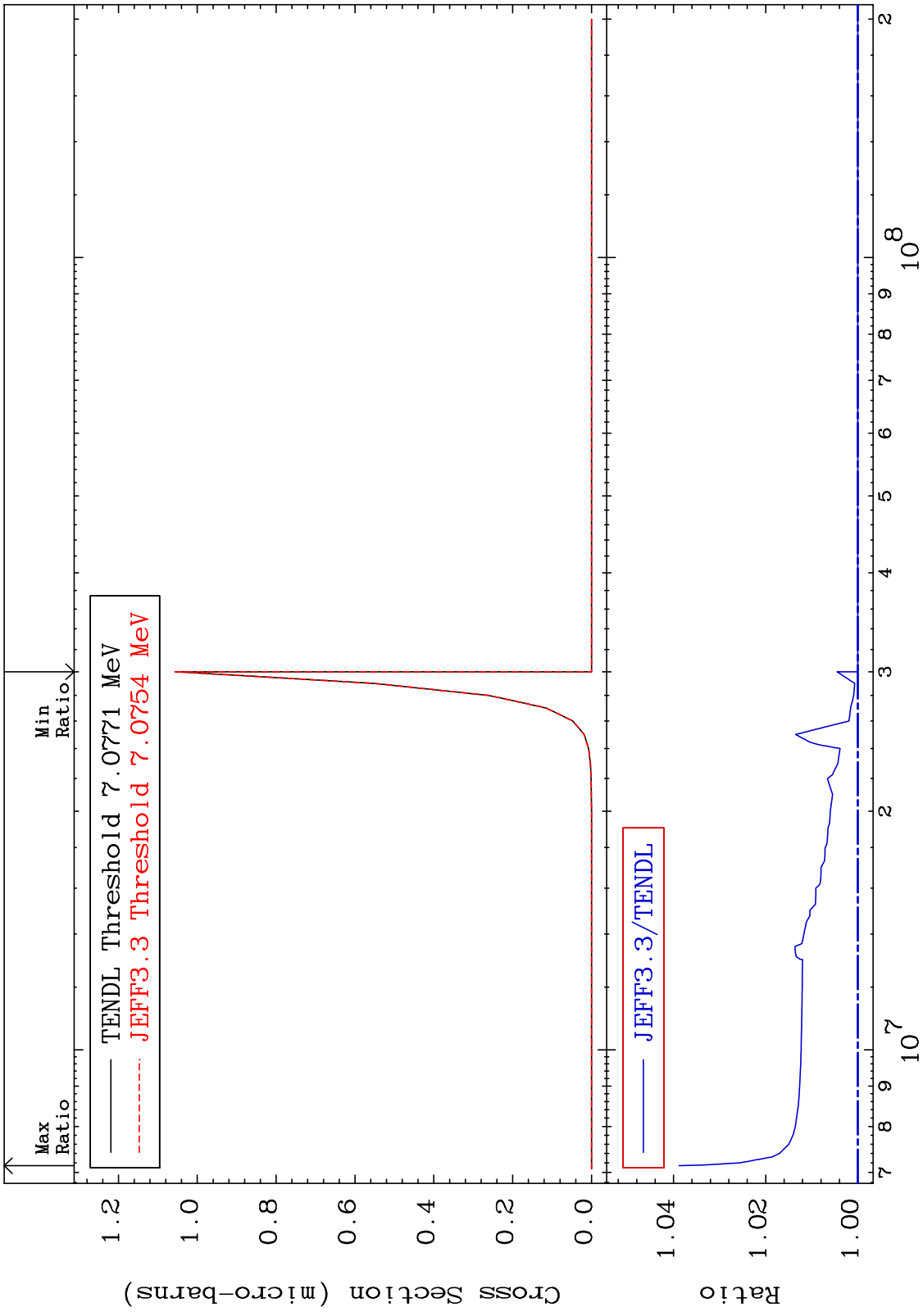


107

Incident Energy (eV)

80-Hg-198

MAT 8031 (n,2p):78-Pt-197g 80-Hg-198  
 Radionuclide Production Cross Section 0.000 To 3.881 %

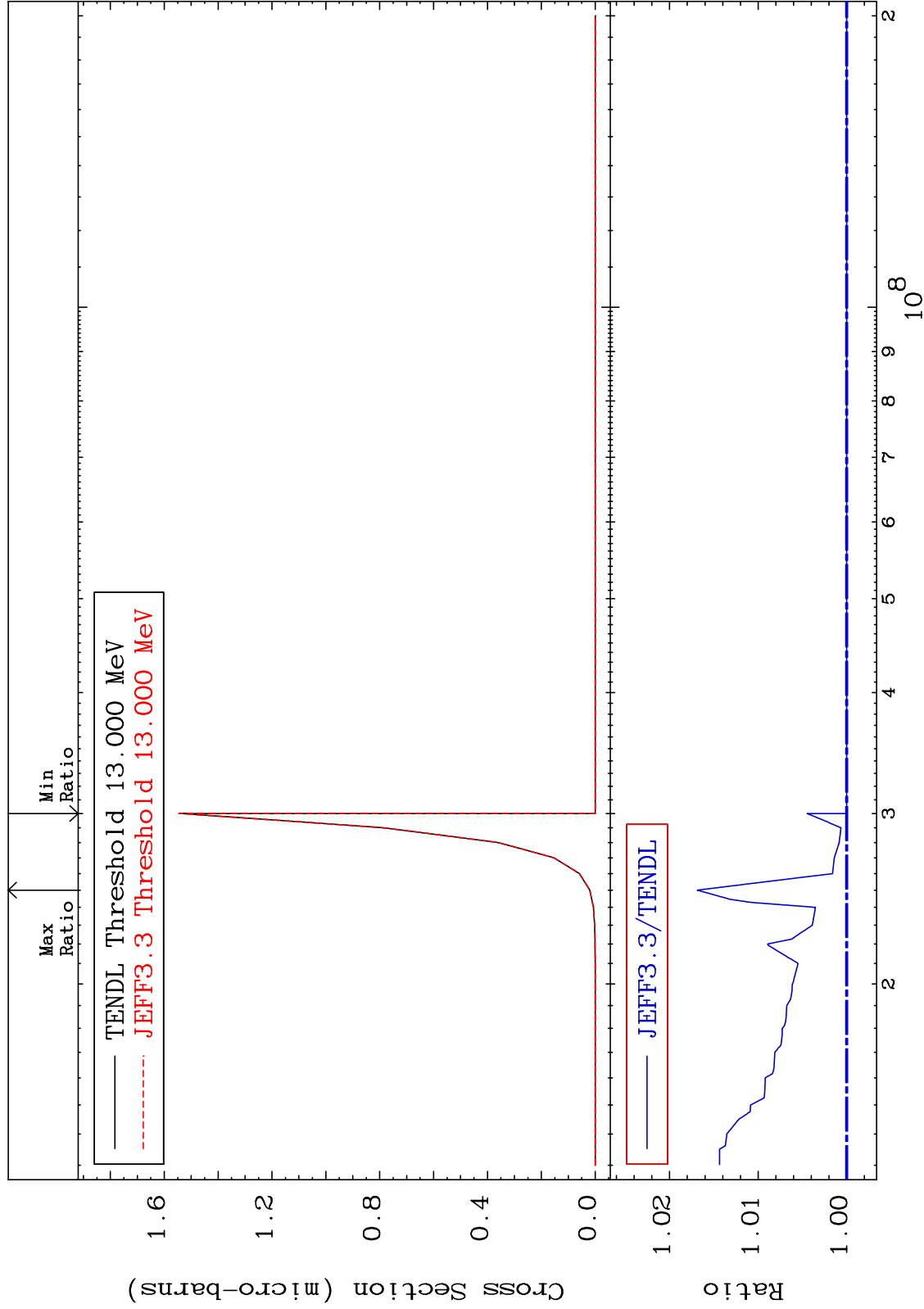


MAT 8031

(n,2p):78-Pt-197m9

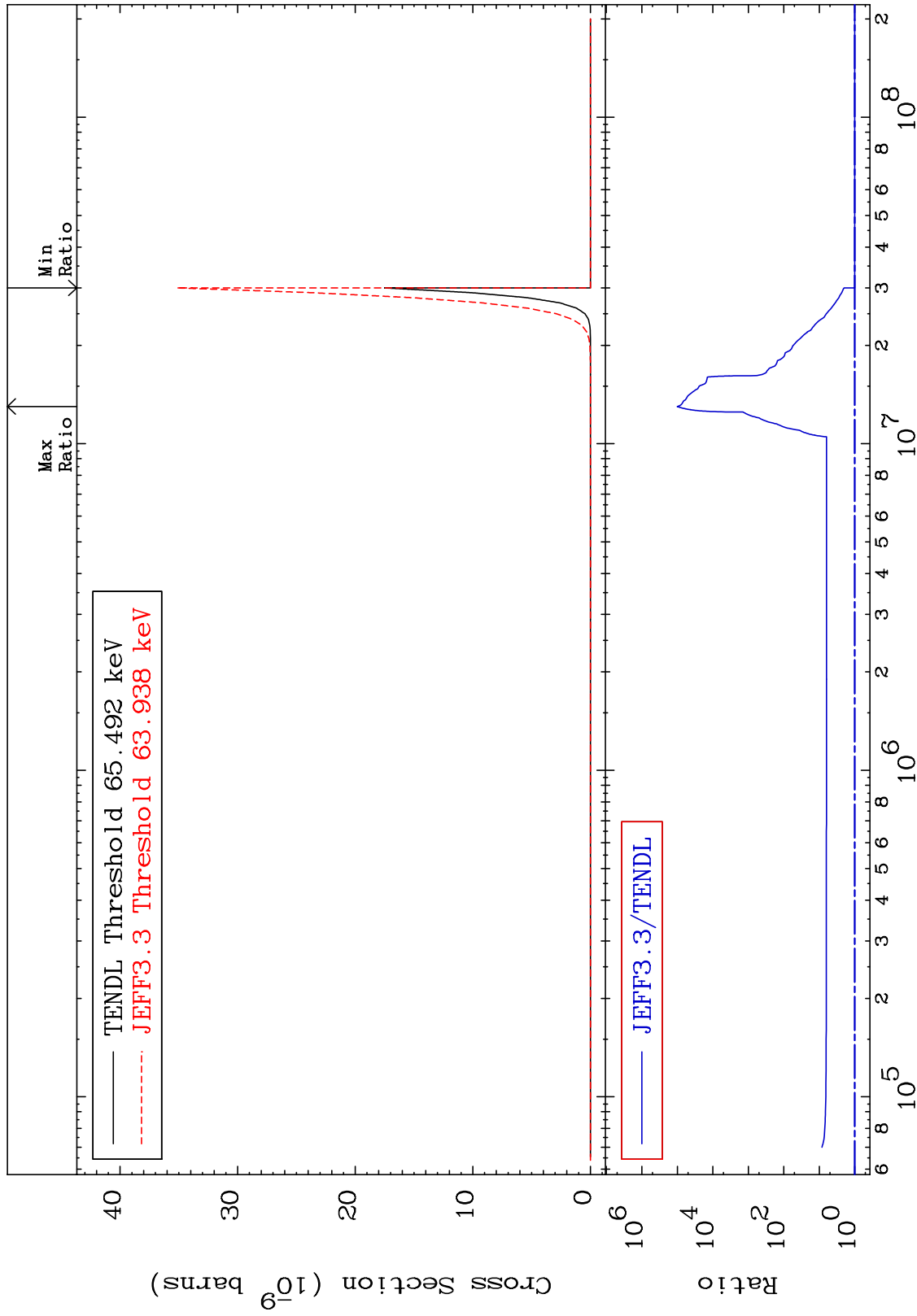
80-Hg-198

Radionuclide Production Cross Section 0.000 To 1.687 %



MAT 8031

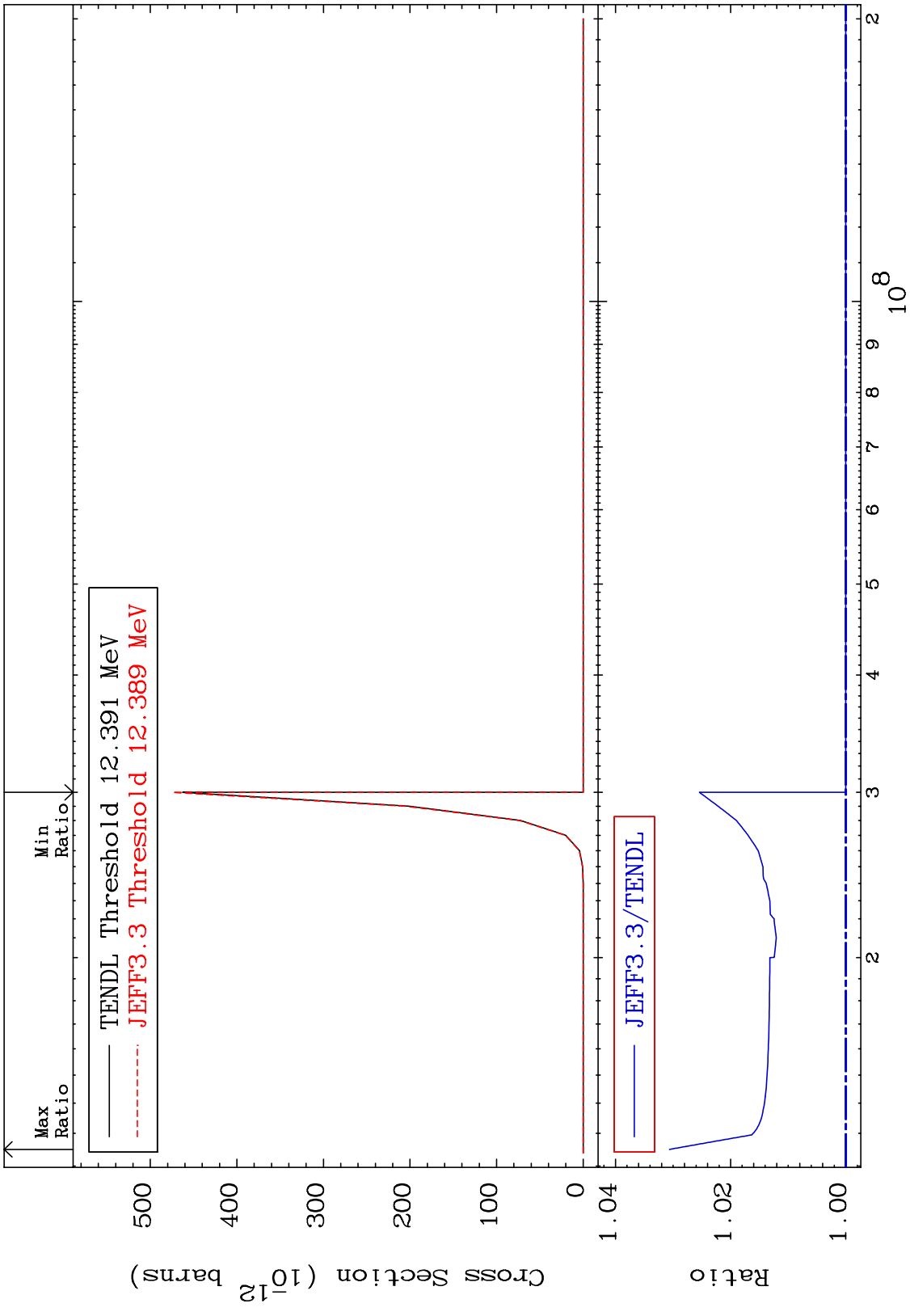
(n,p)  $\alpha$ : <sup>77</sup>Ir-194g <sup>80</sup>Hg-198  
Radionuclide Production Cross Section 0.000 To 9999. %



110

<sup>80</sup>Hg-198

MAT 8031 (n,p) t:78-Pt-195g 80-Hg-198  
 Radionuclide Production Cross Section 0.000 To 3.062 %





MAT 8031

(n,p) t:78-Pt-195m7

80-Hg-198

Radionuclide Production Cross Section -0.416 To 0.234 %

