

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

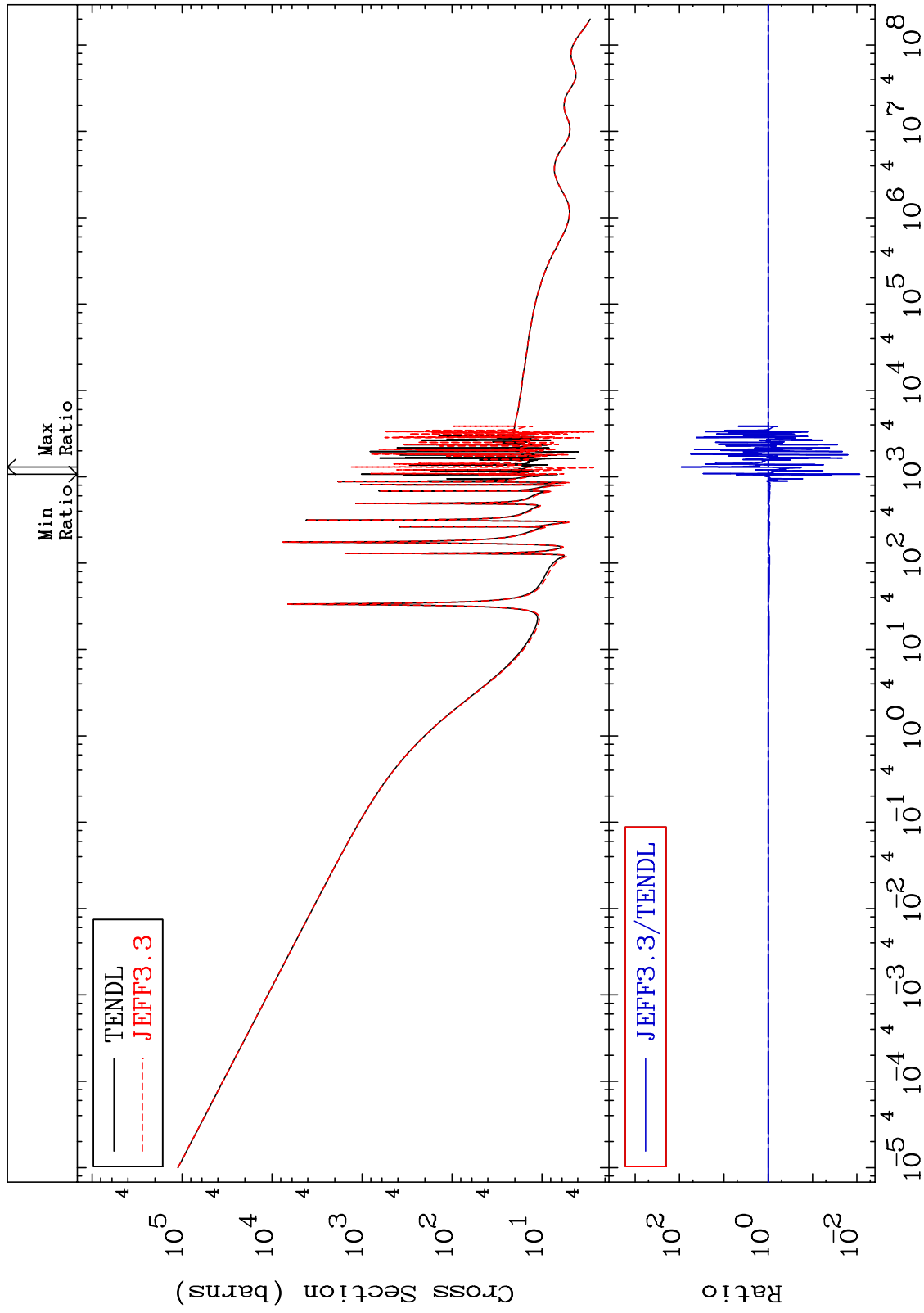
MAT 8034

Total

80-Hg-199

-99.14 To 9047. %

Cross Section



1

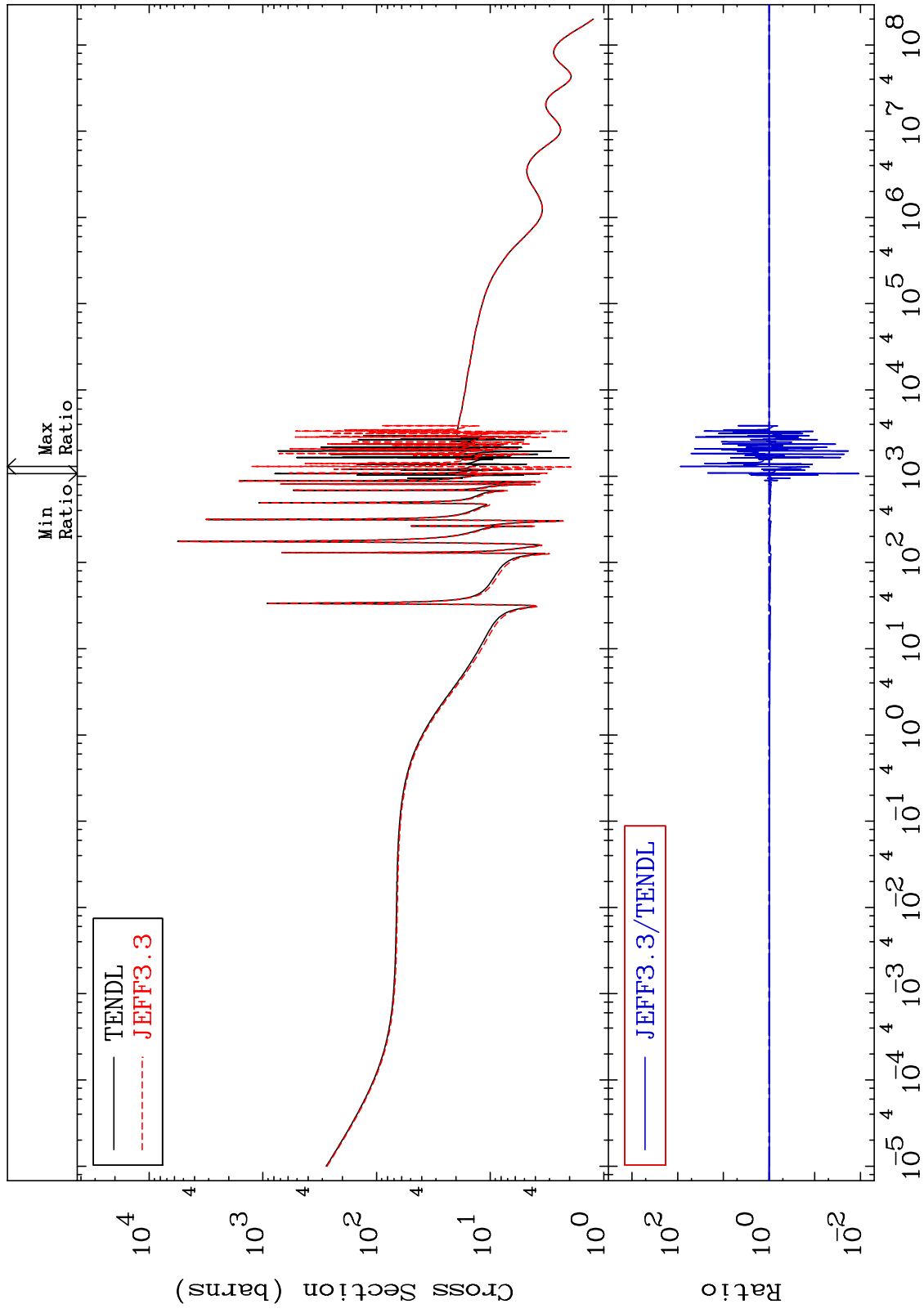
Incident Energy (eV)

80-Hg-199

MAT 8034

Elastic
Cross Section

80-Hg-199
-98.92 To 8505. %



2

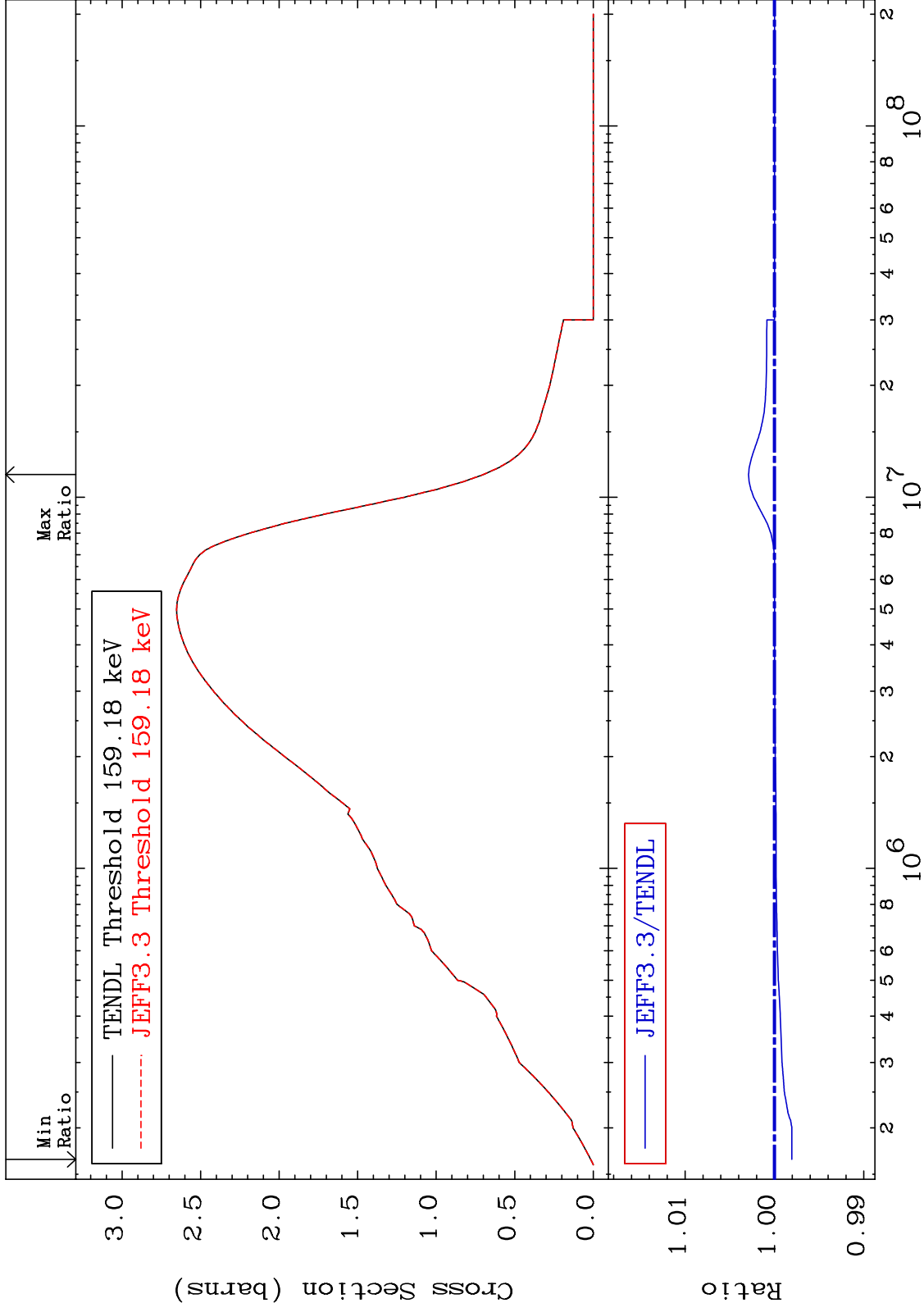
Incident Energy (eV)

80-Hg-199

MAT 8034

Inelastic
Cross Section

80-Hg-199
-0.195 To 0.289 %

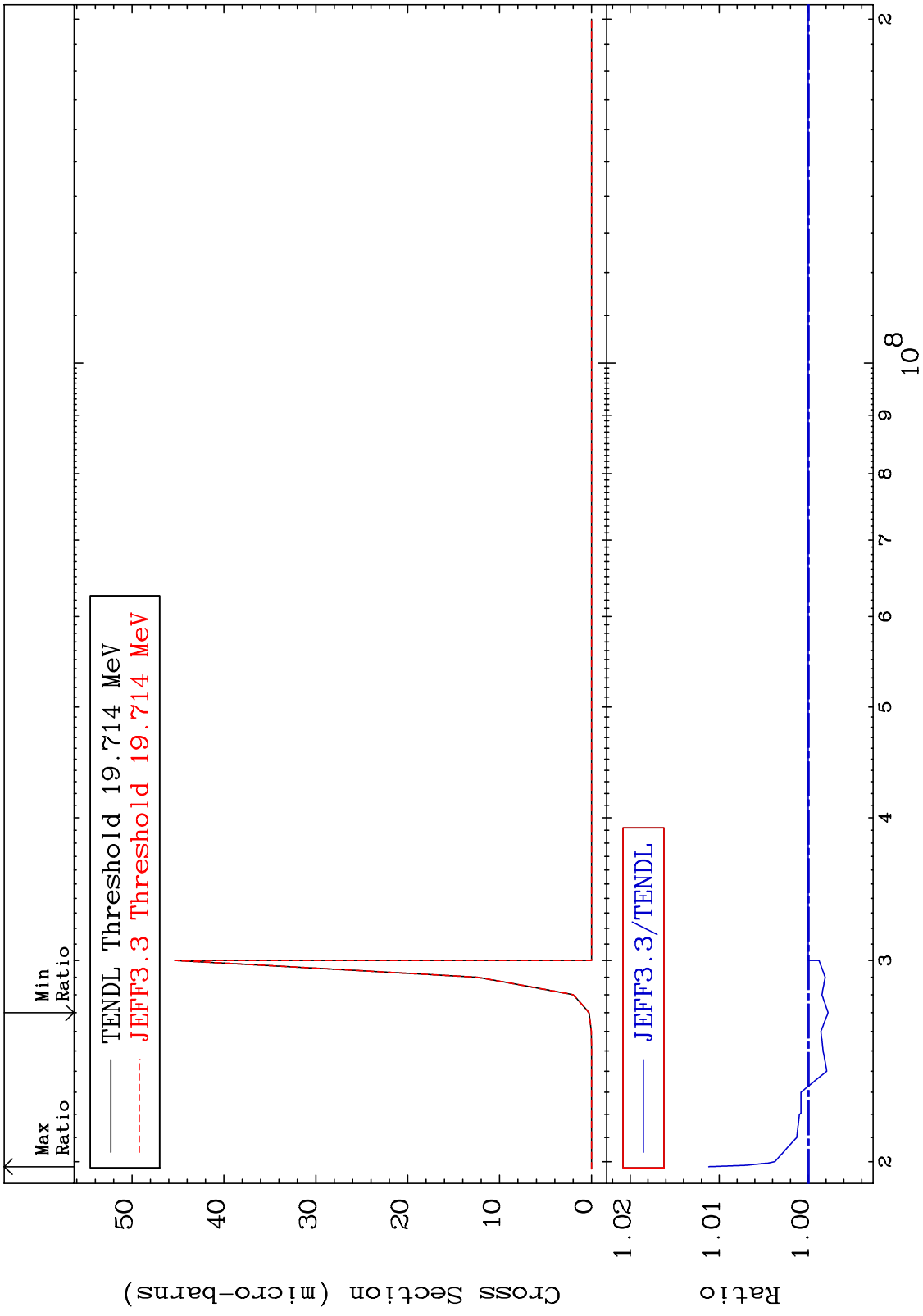


3

Incident Energy (eV)

80-Hg-199

MAT 8034 (n,2n) d 80-Hg-199
 Cross Section -0.223 To 1.118 %



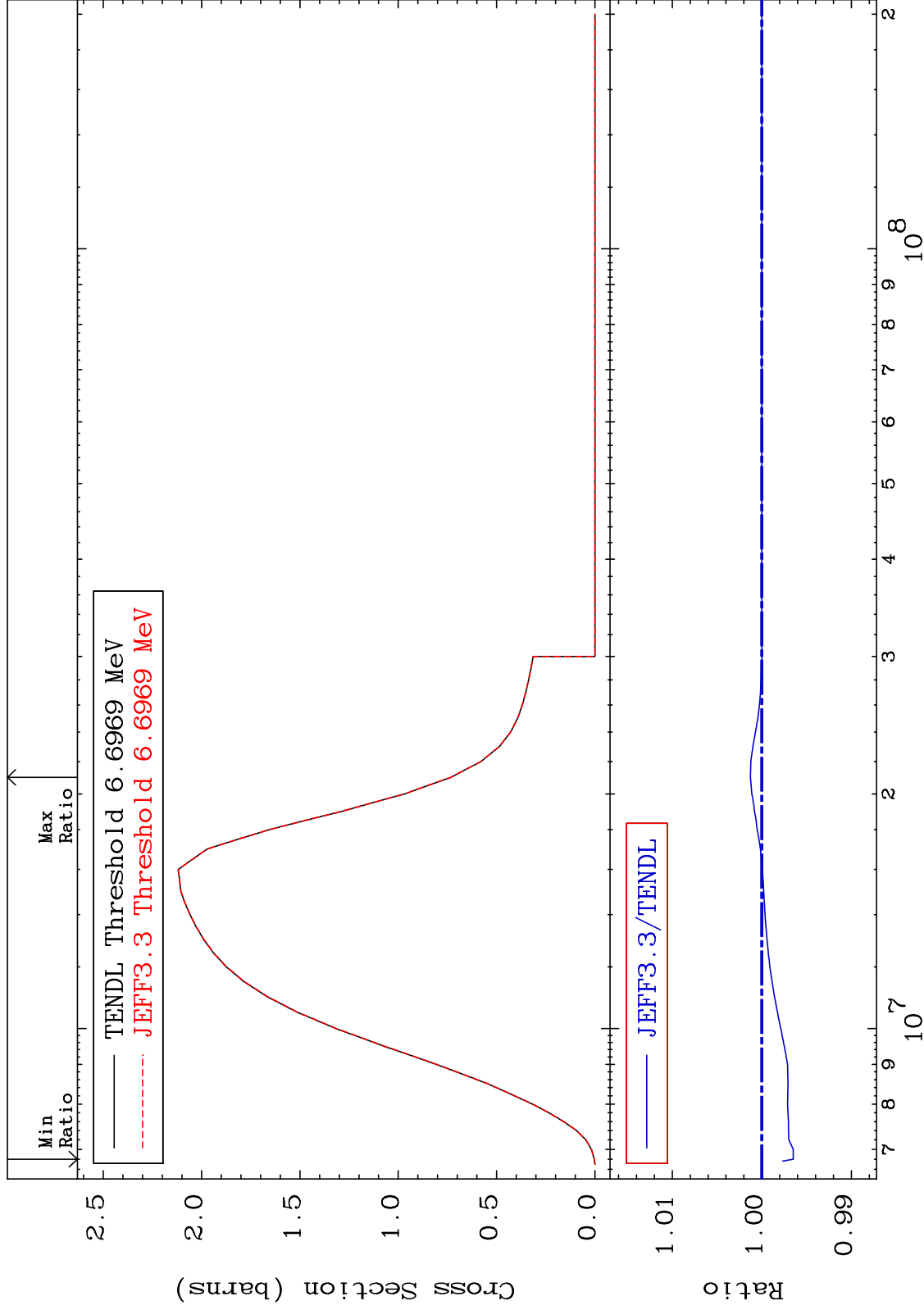
MAT 8034

(n,2n)

80-Hg-199

-0.352 To 0.127 %

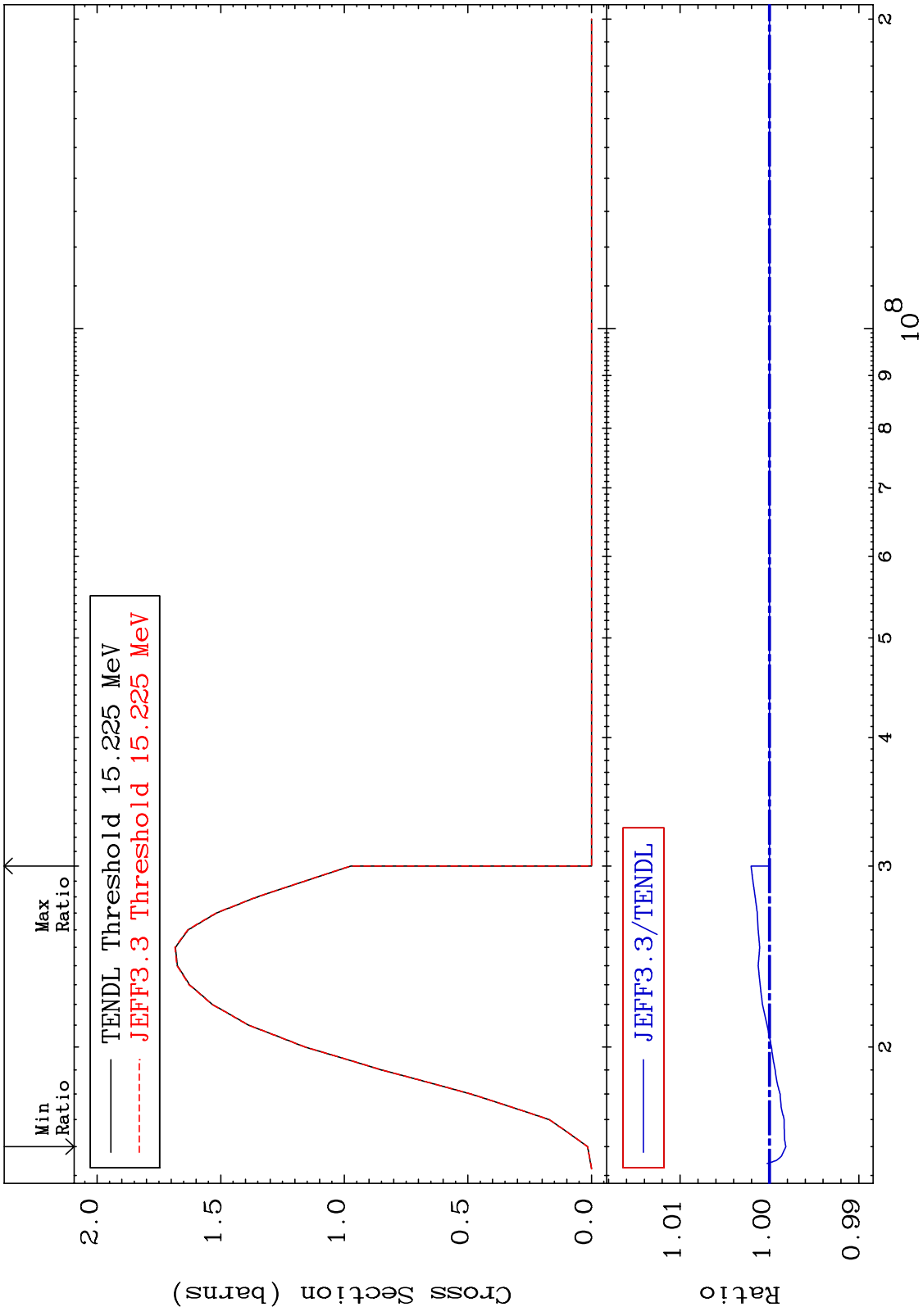
Cross Section



5

80-Hg-199

MAT 8034 $(n, 3n)$ Cross Section $^{80}\text{Hg-199}$ -0.183 To 0.206 %



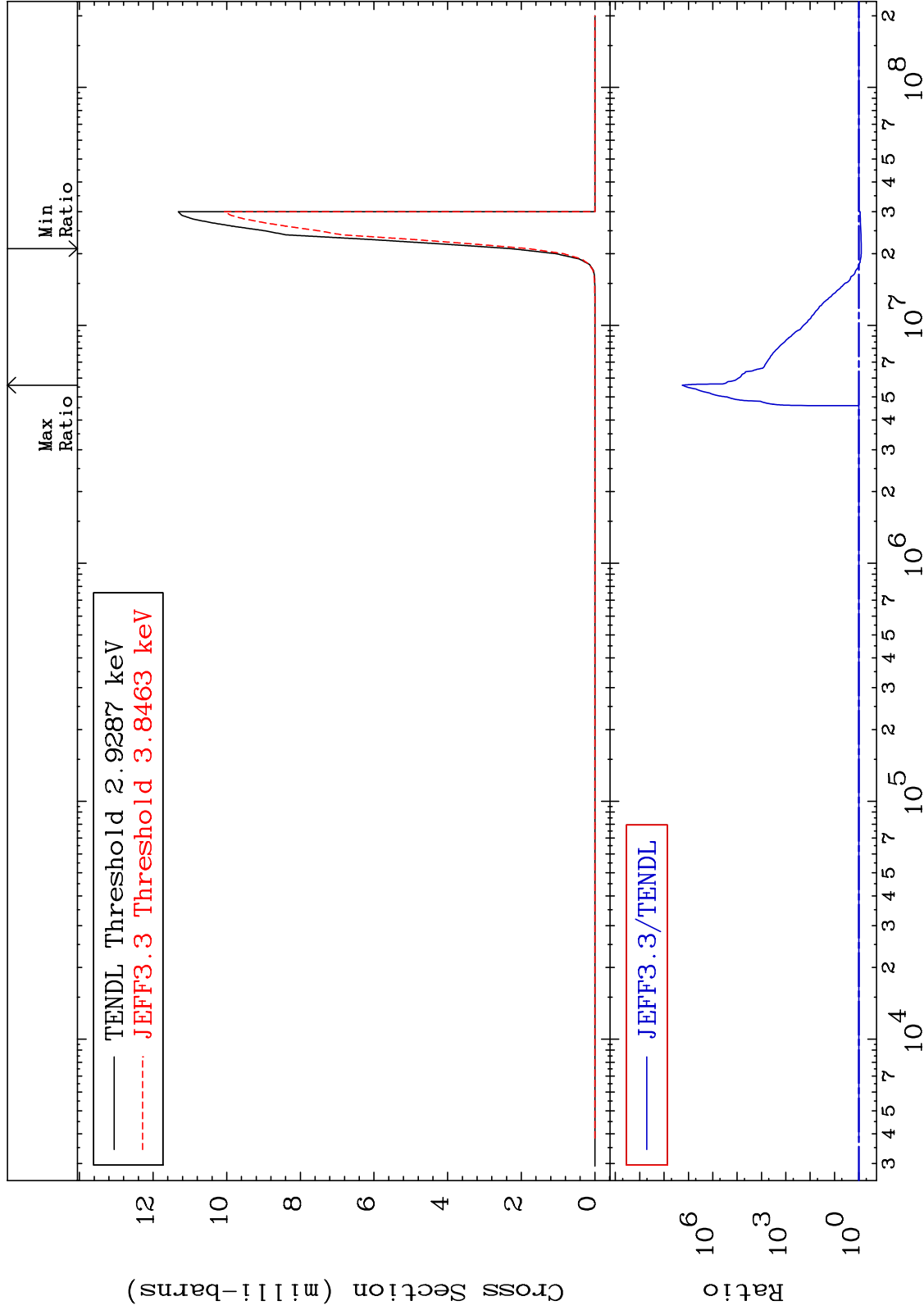
MAT 8034

(n, n') α

80-Hg-199

-20.47 To 9999. %

Cross Section

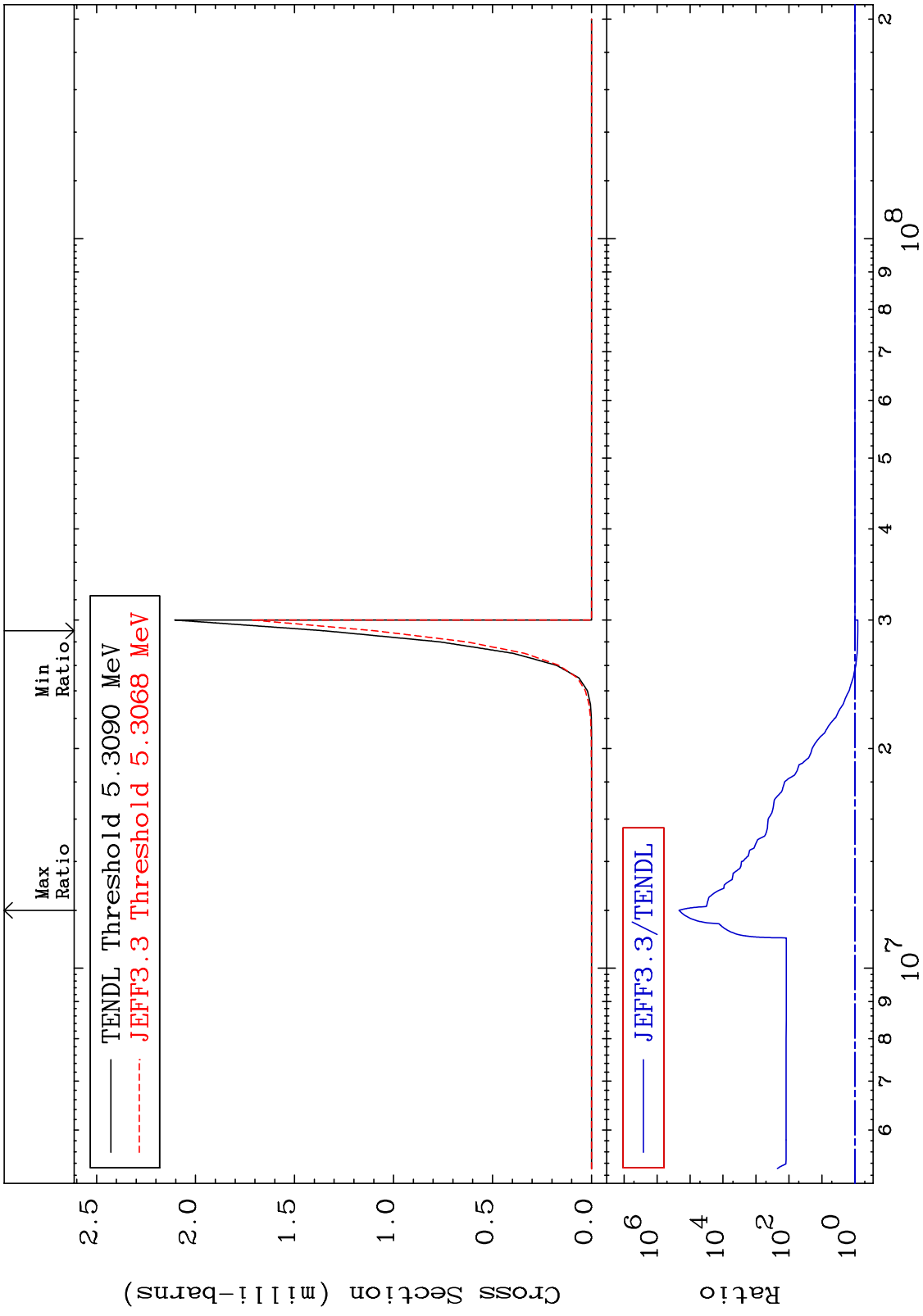


7

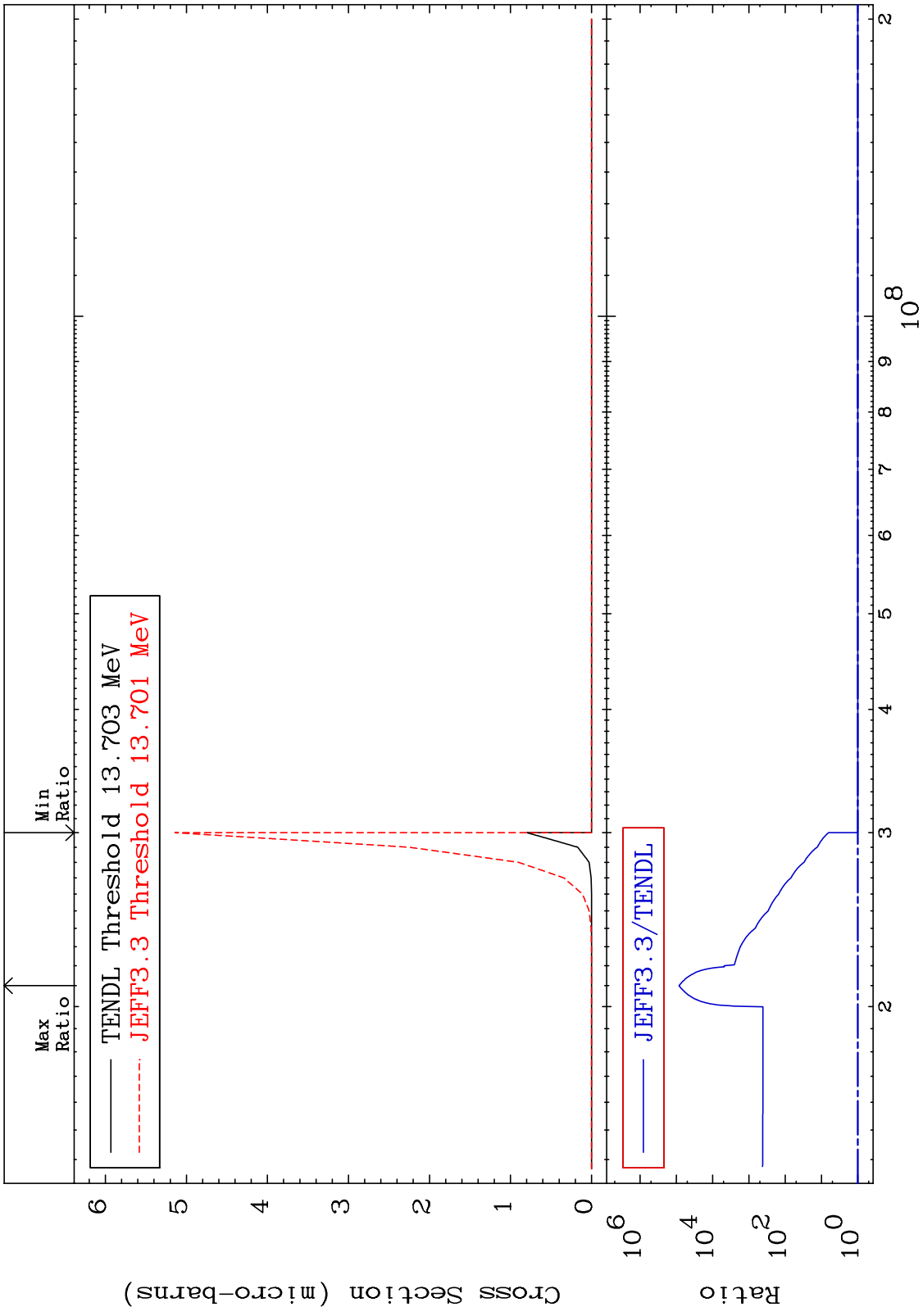
Incident Energy (eV)

80-Hg-199

MAT 8034 $(n, 2n) \alpha$ 80-Hg-199
 Cross Section -18.83 To 9999. %



MAT 8034 $(n, 3n) \alpha$ 80-Hg-199
 Cross Section 0.000 To 9999. %



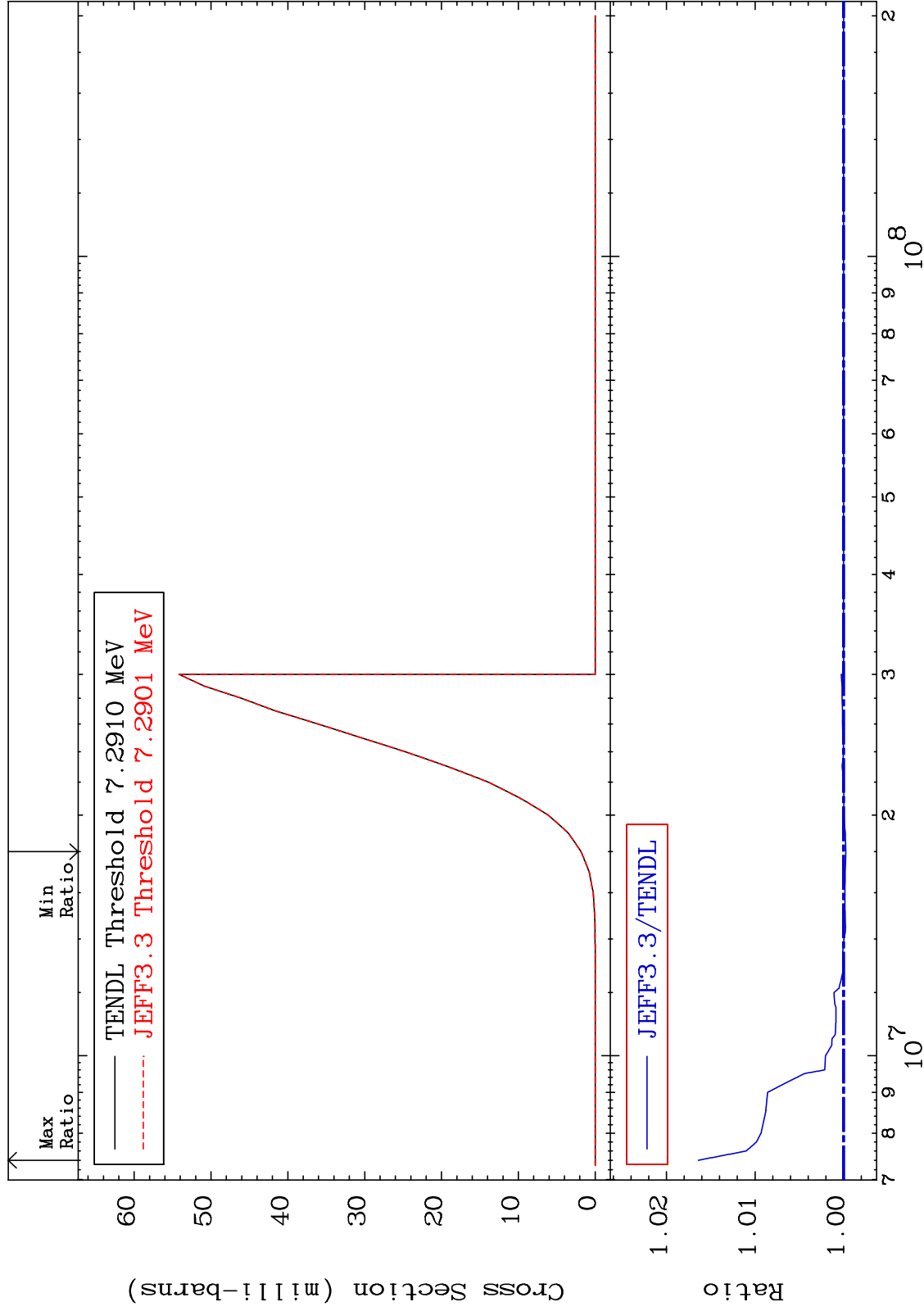
MAT 8034

(n,n') p

80-Hg-199

Cross Section

-0.024 To 1.641 %

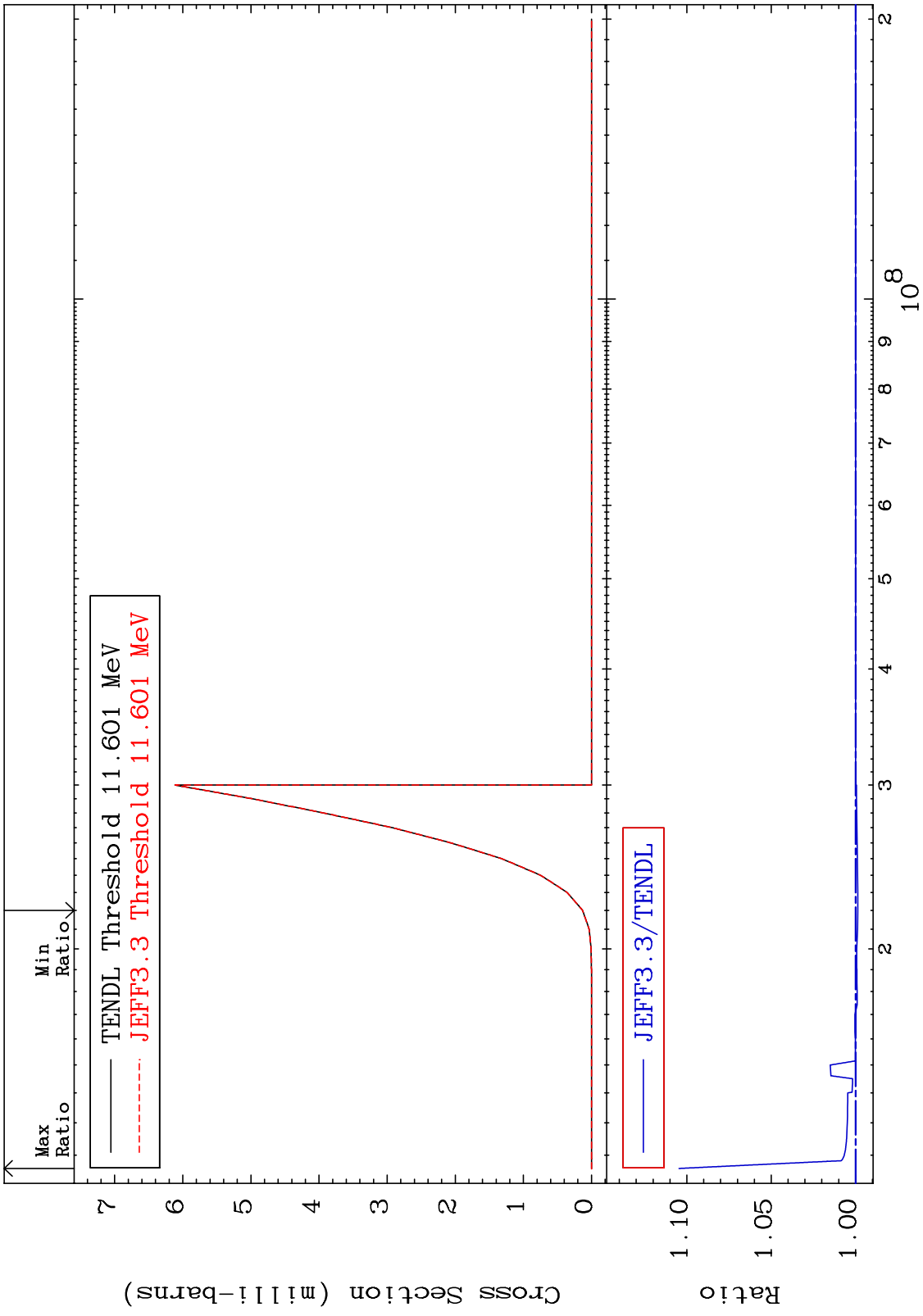


10

Incident Energy (eV)

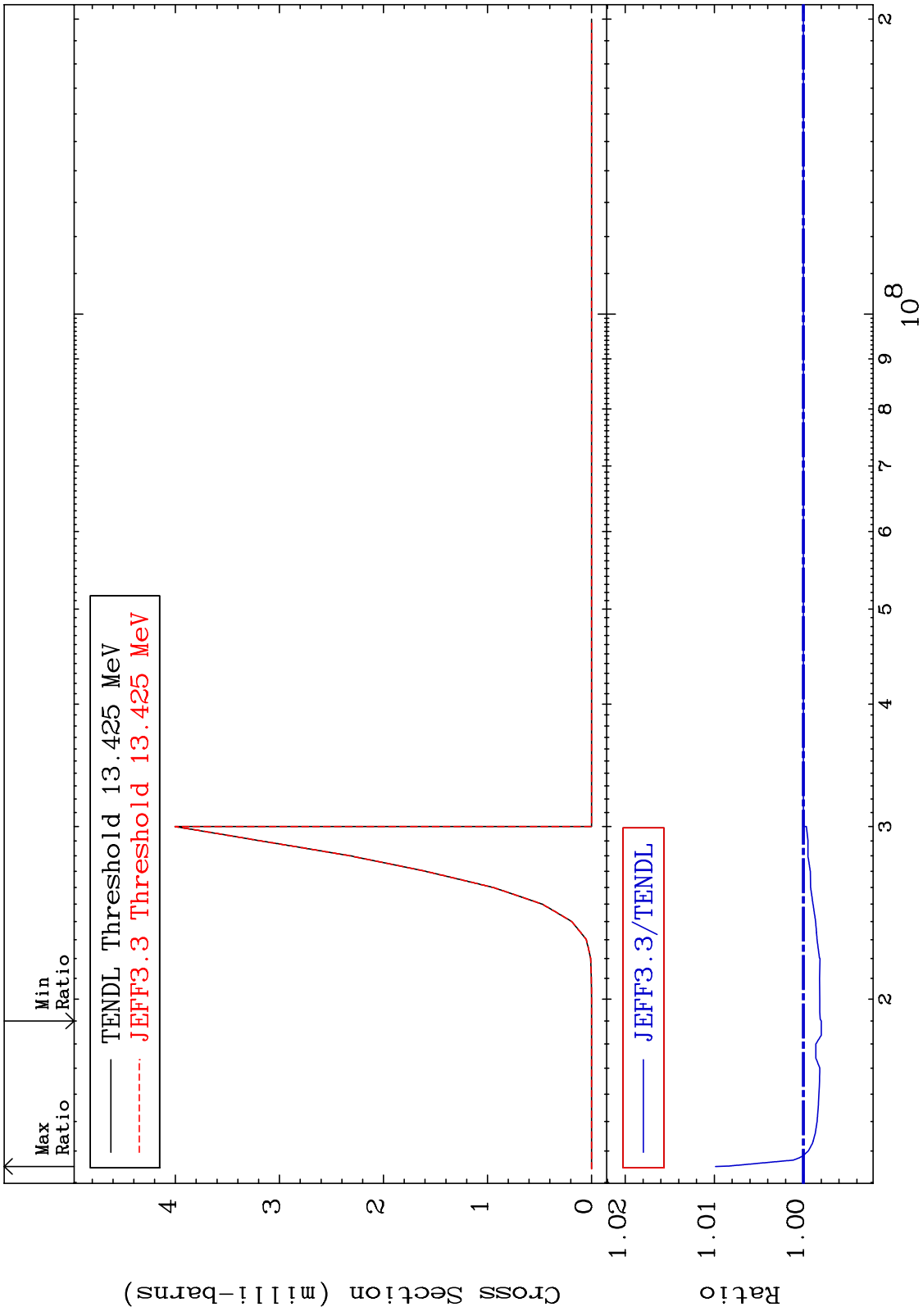
80-Hg-199

MAT 8034 (n, n') d 80-Hg-199
Cross Section -0.135 To 10.46 %

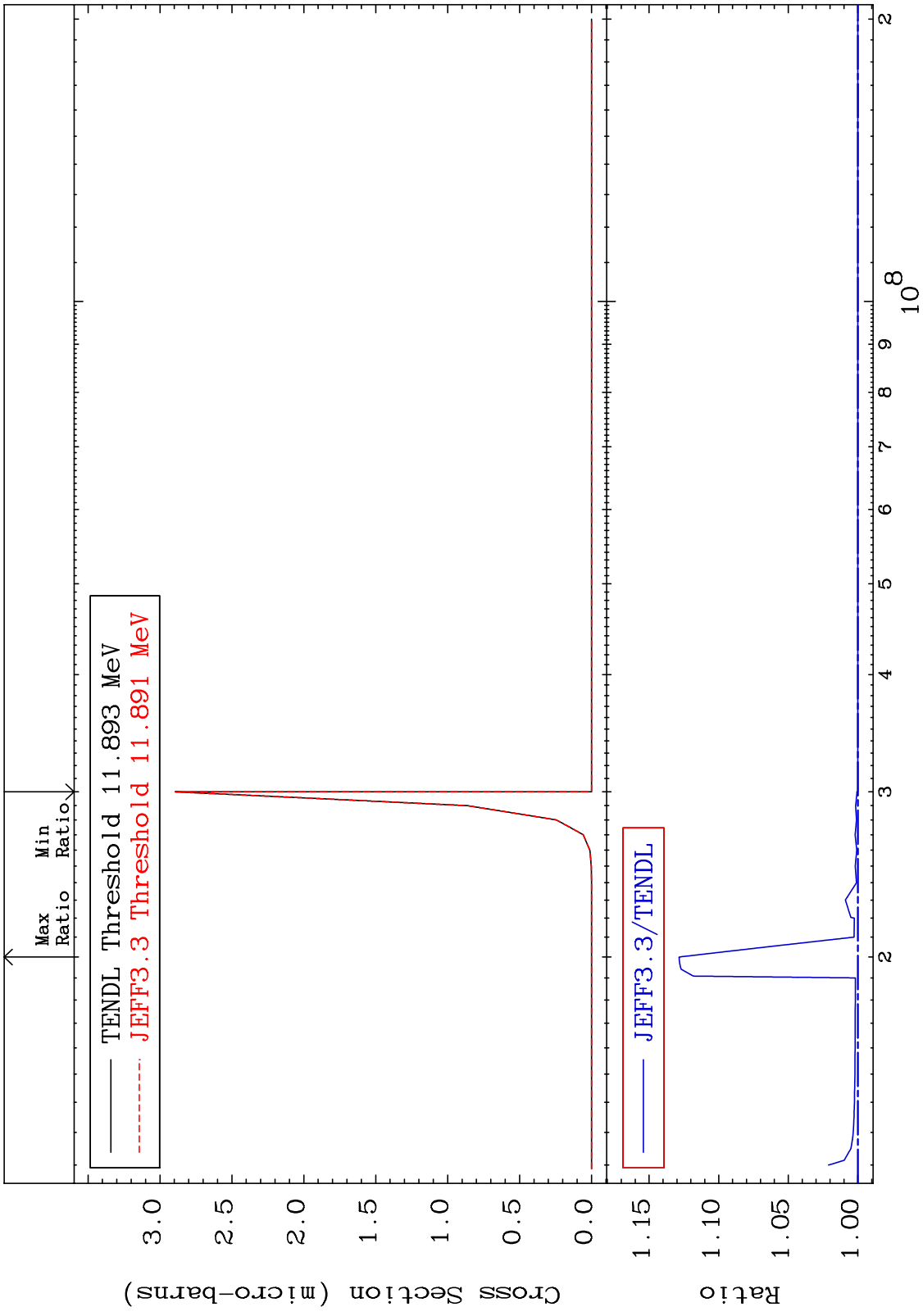


80-Hg-199

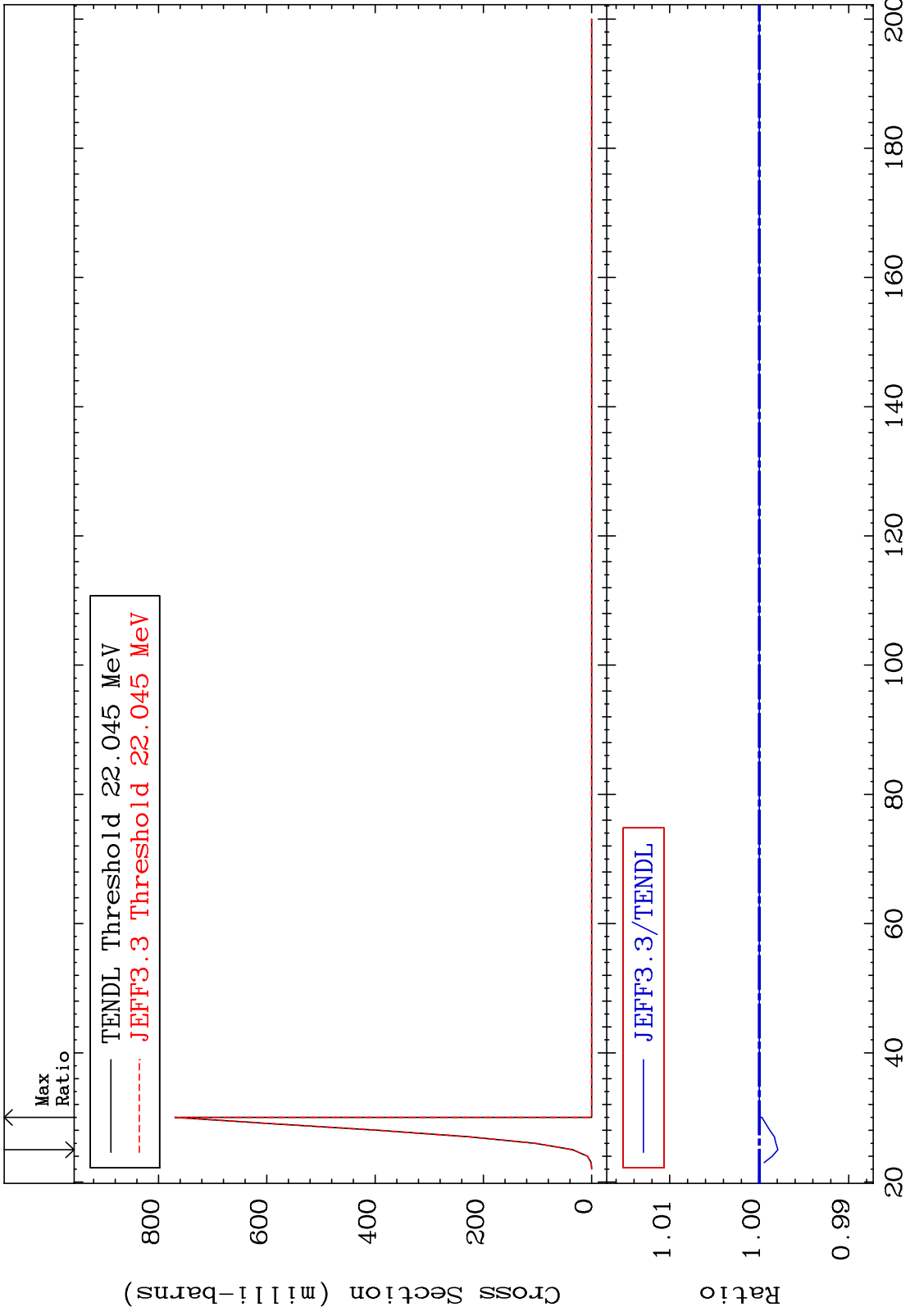
MAT 8034 (n,n') t 80-Hg-199
 Cross Section -0.201 To 0.986 %



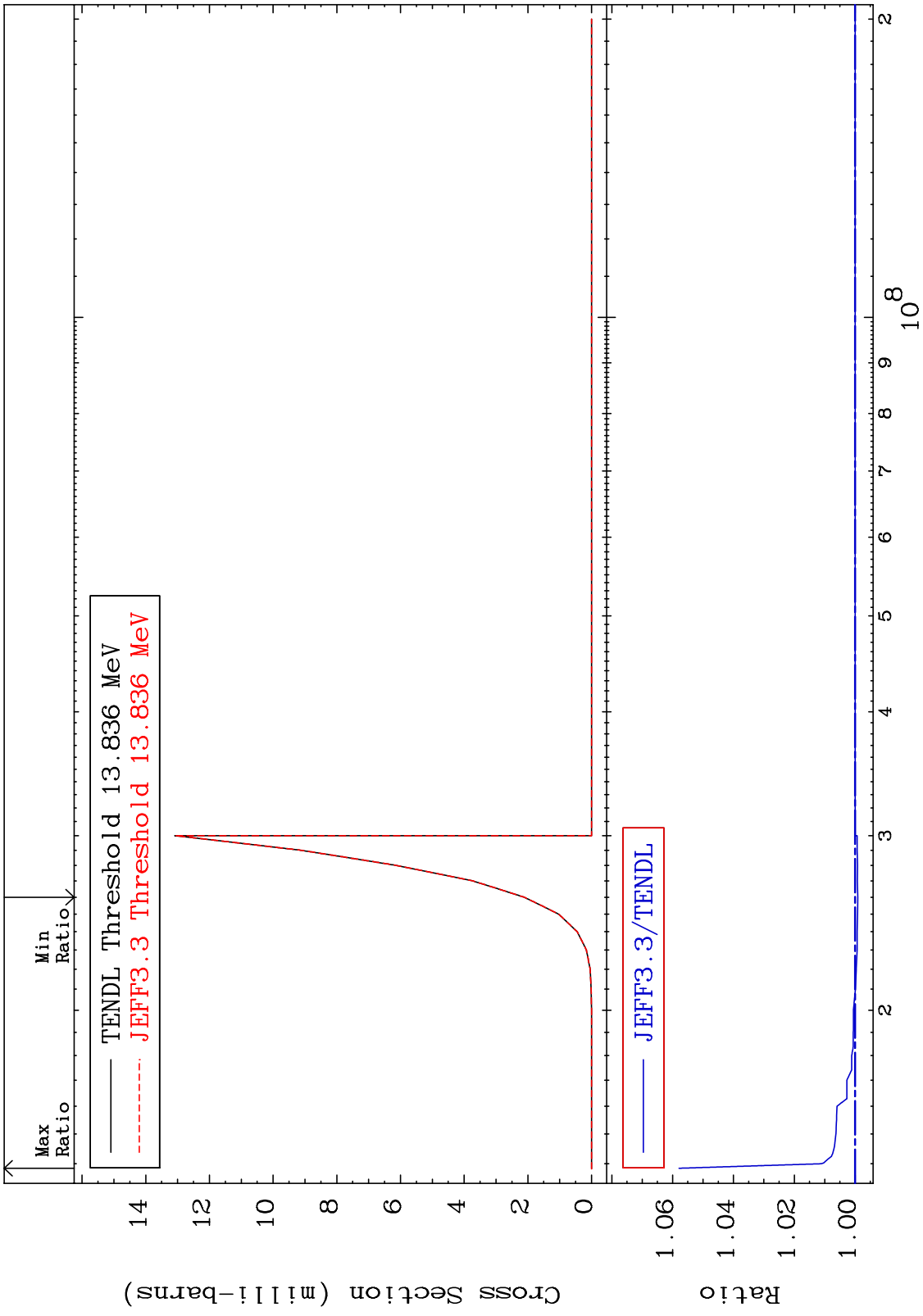
MAT 8034 (n, n') He-3 Cross Section 80-Hg-199 To 12.85 %



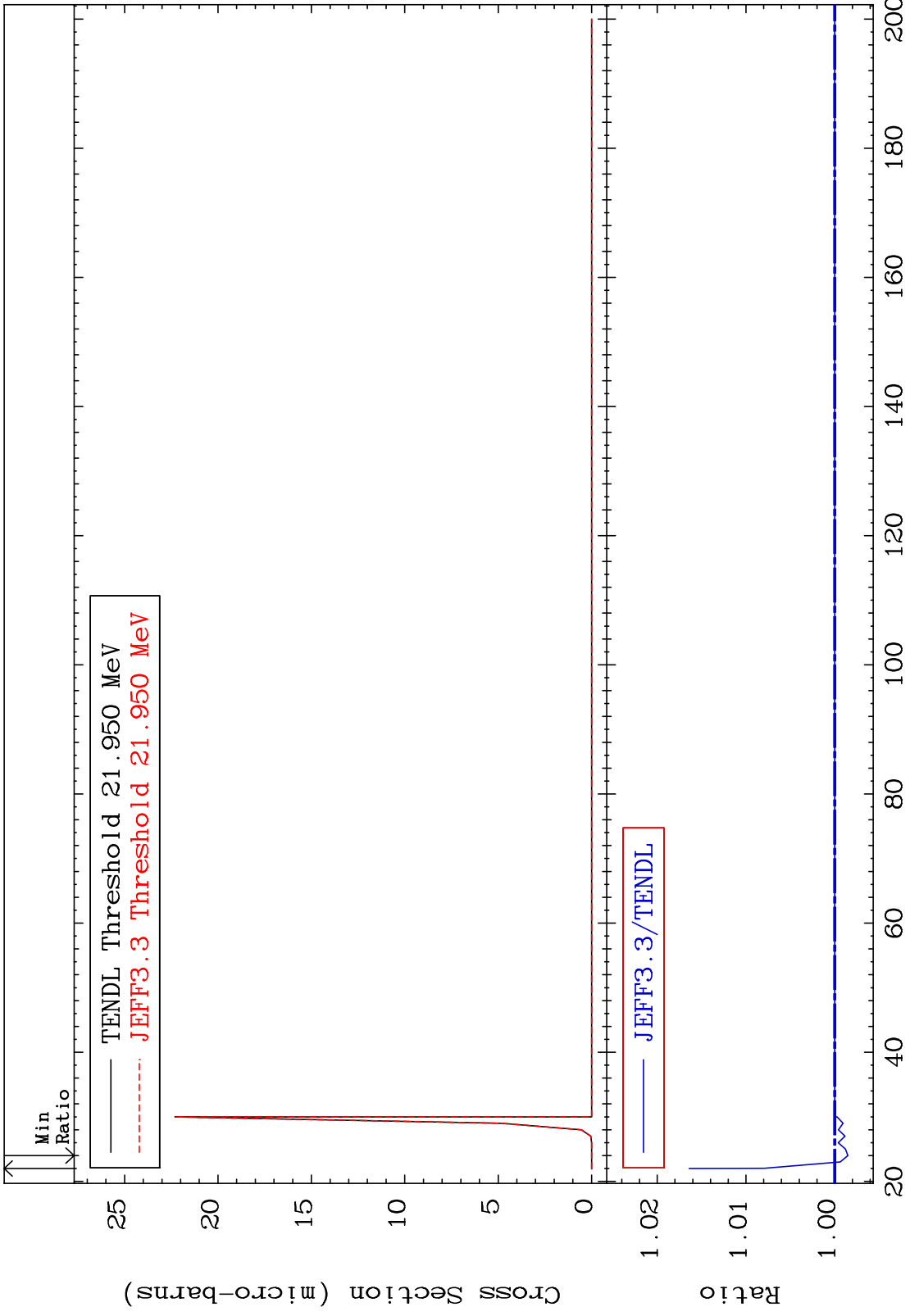
MAT 8034 (n,4n) Cross Section 80-Hg-199 -0.207 To 0.000 %



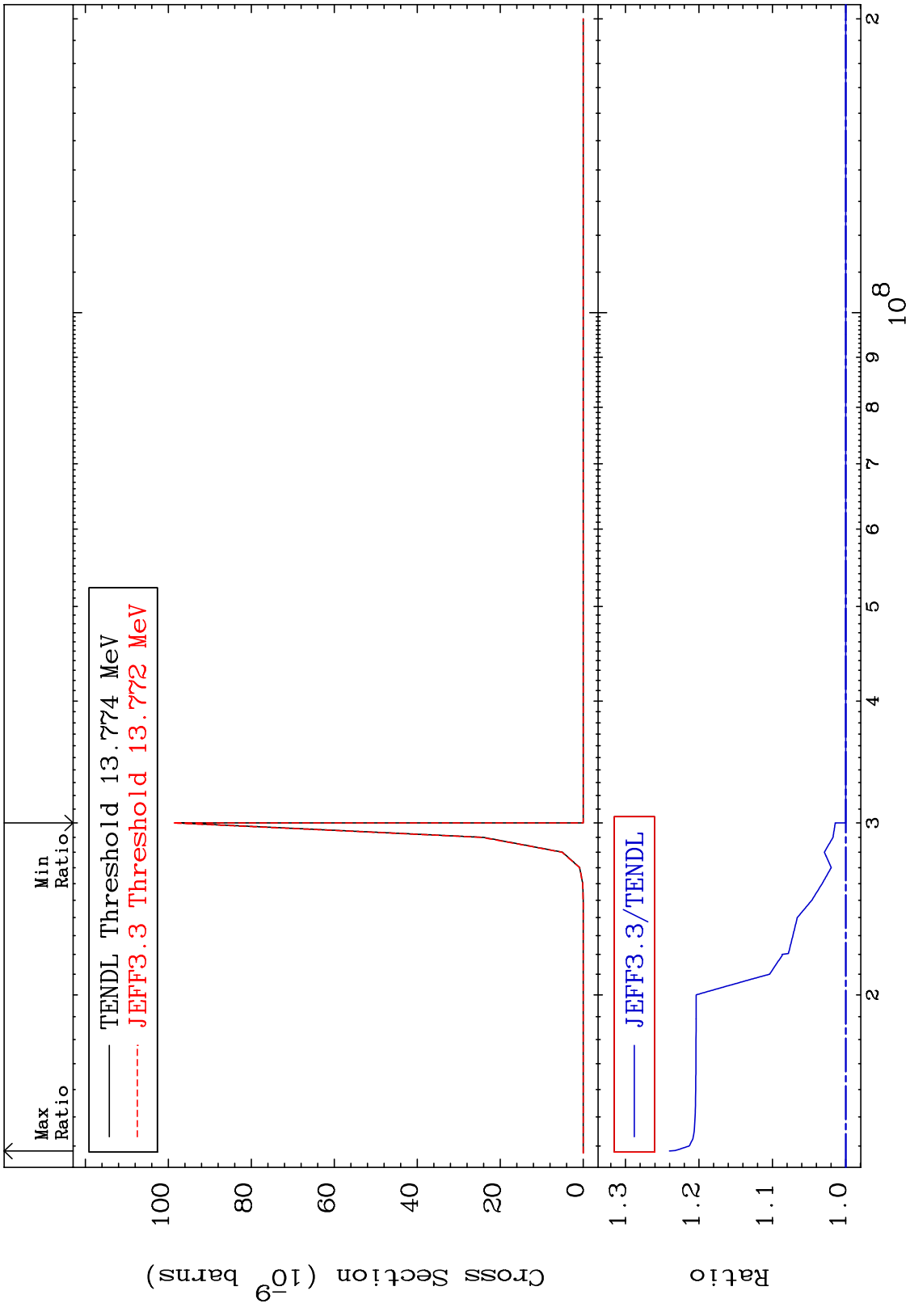
MAT 8034 (n,2n) p 80-Hg-199
 Cross Section -0.089 To 5.788 %



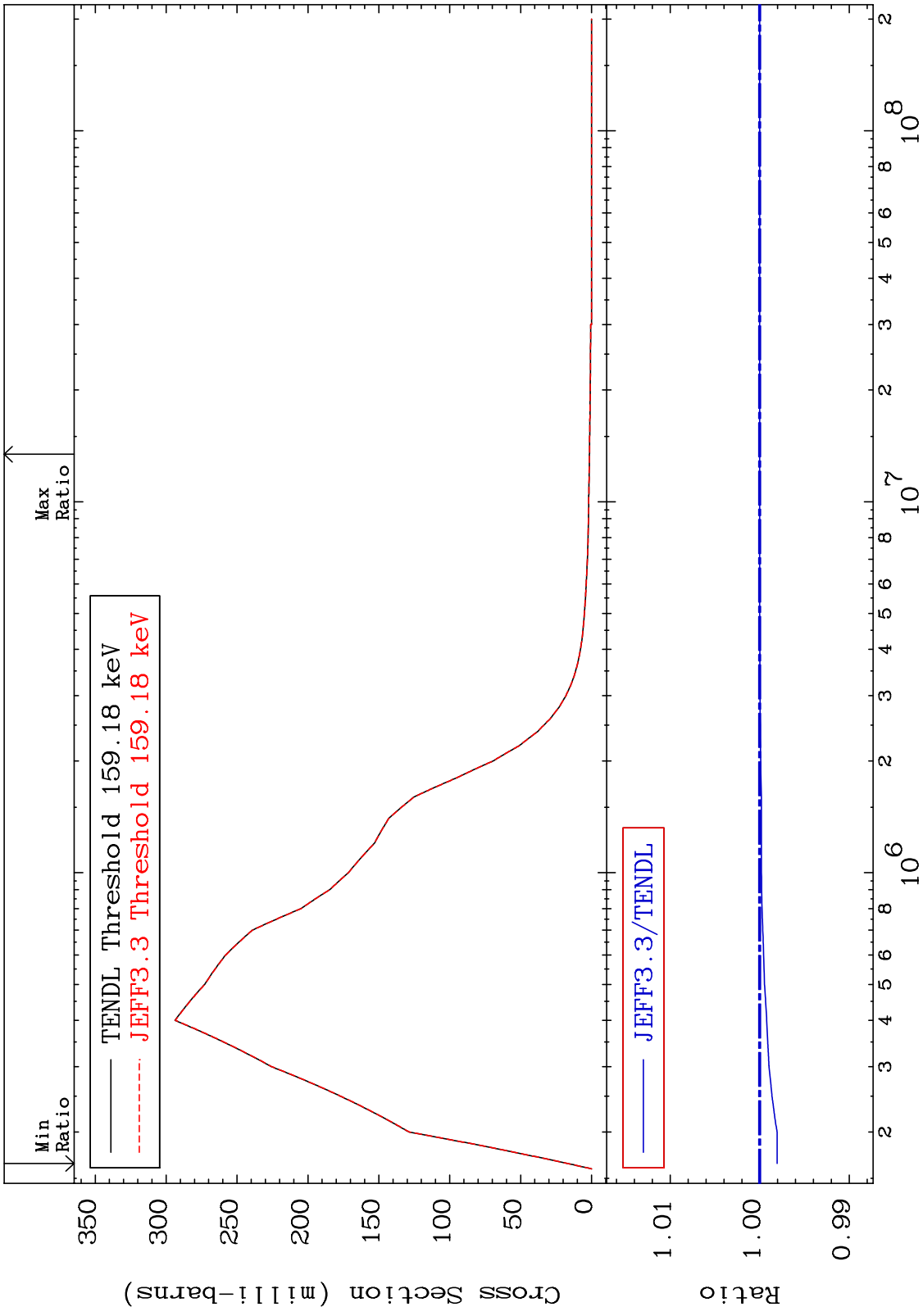
MAT 8034 (n,3n) p 80-Hg-199
Cross Section -0.149 To 1.640 %



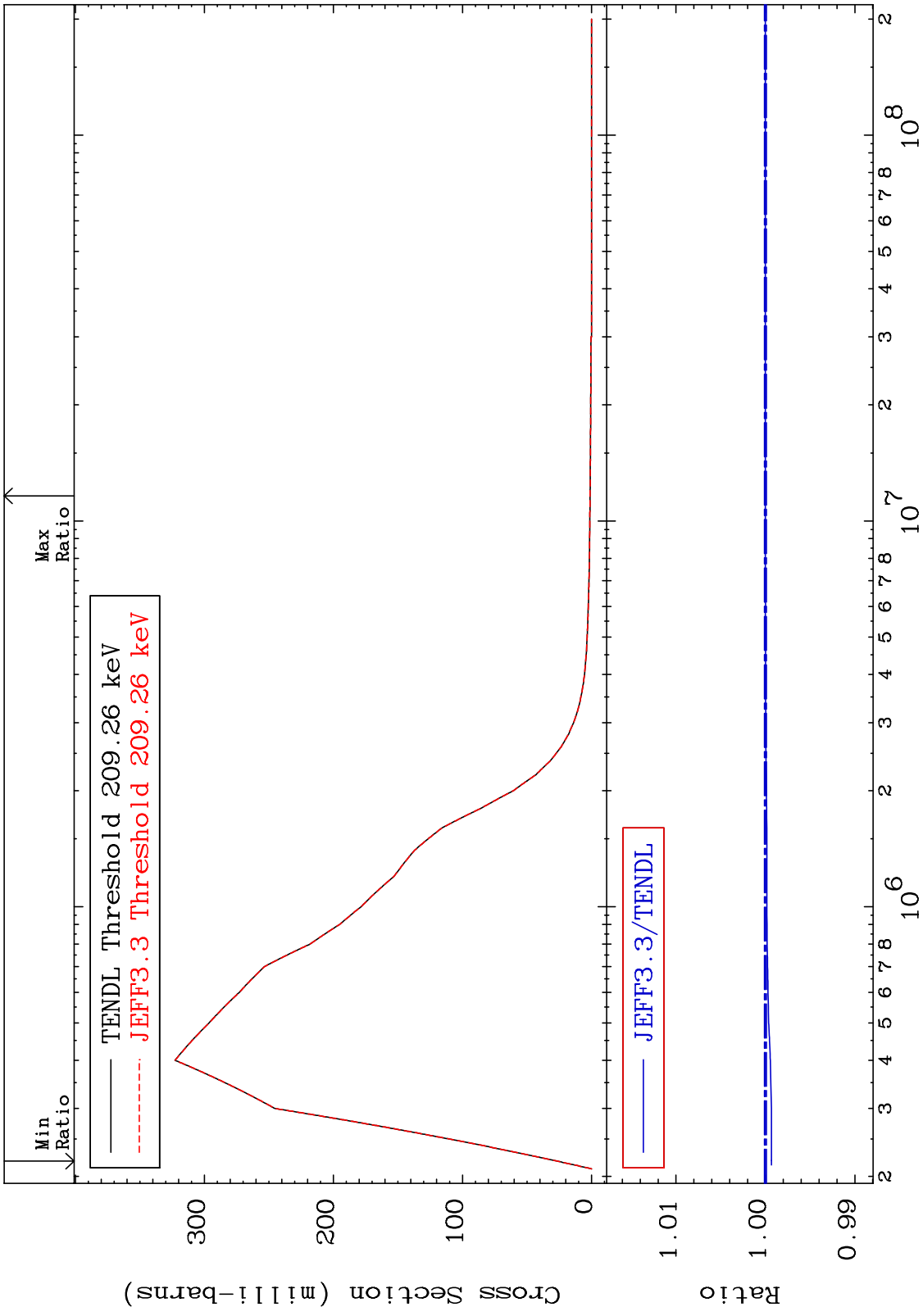
MAT 8034 (n,2n) p 80-Hg-199
 Cross Section 0.000 To 24.01 %



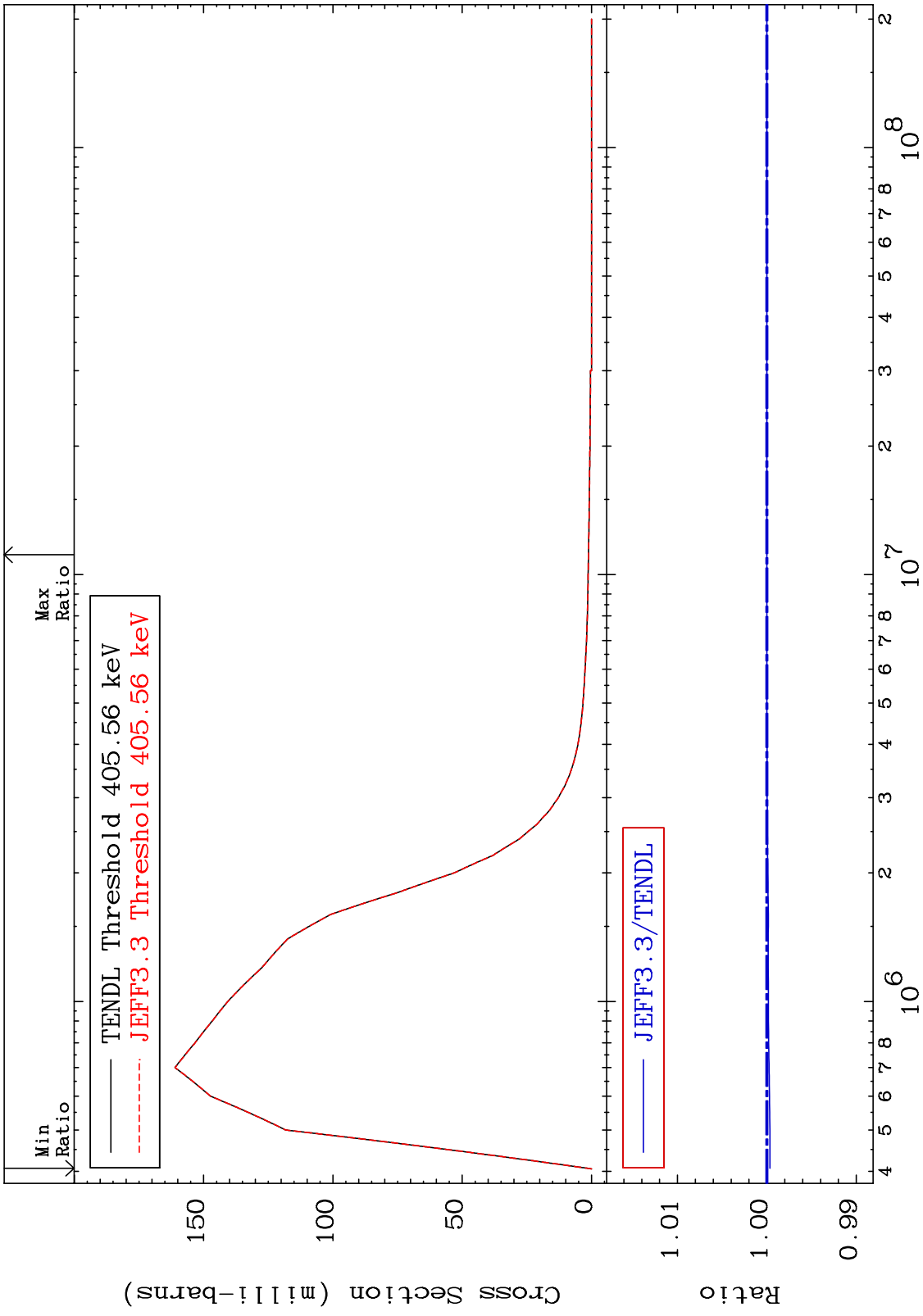
MAT 8034 MT= 51 (n,n') Level Cross Section 80-Hg-199
 -0.195 To 0.000 %



MAT 8034 MT= 52 (n,n') Level Cross Section -0.068 To 0.000 % 80-Hg-199

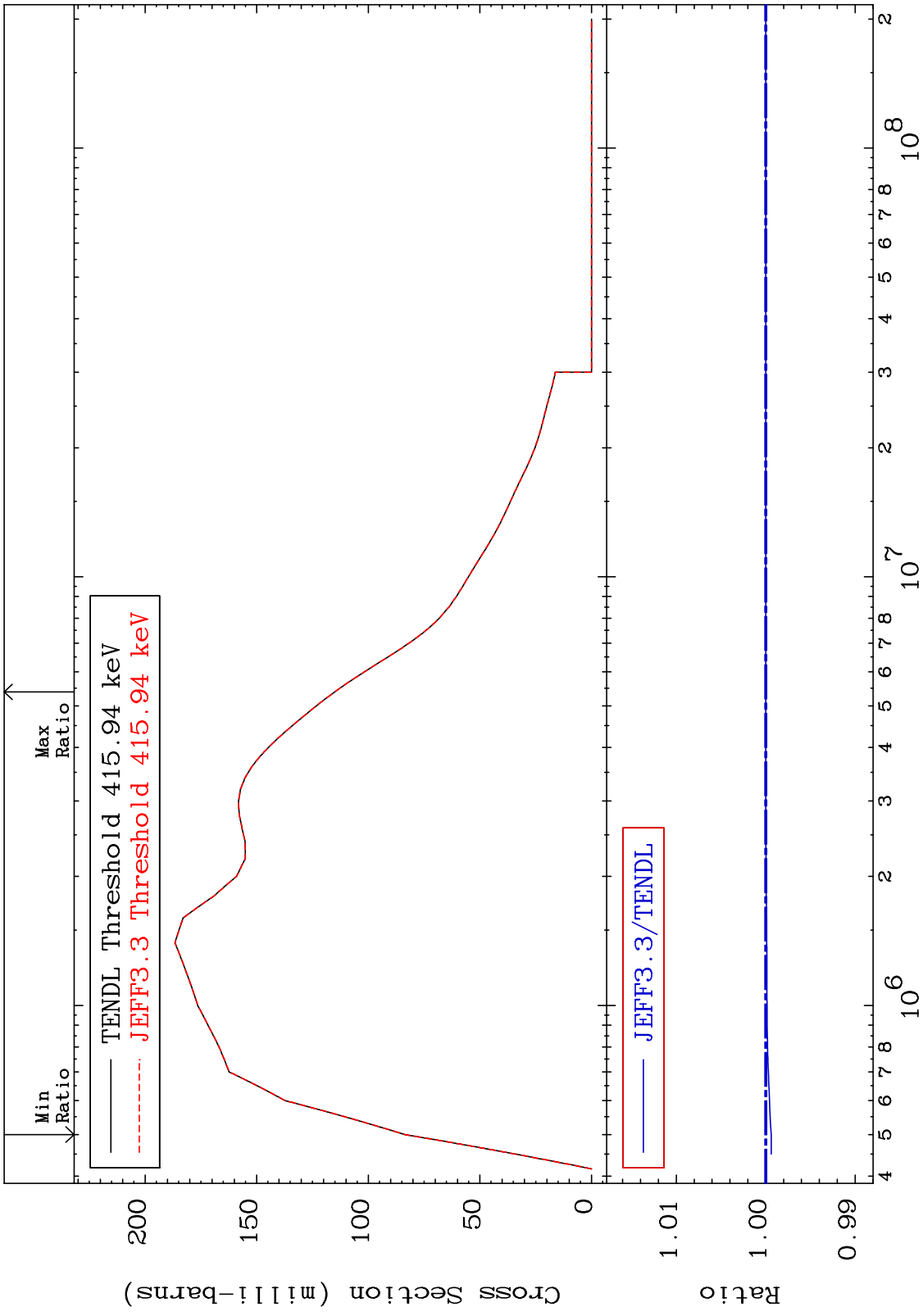


MAT 8034 MT= 53 (n,n') Level Cross Section -0.035 To 0.000 % 80-Hg-199

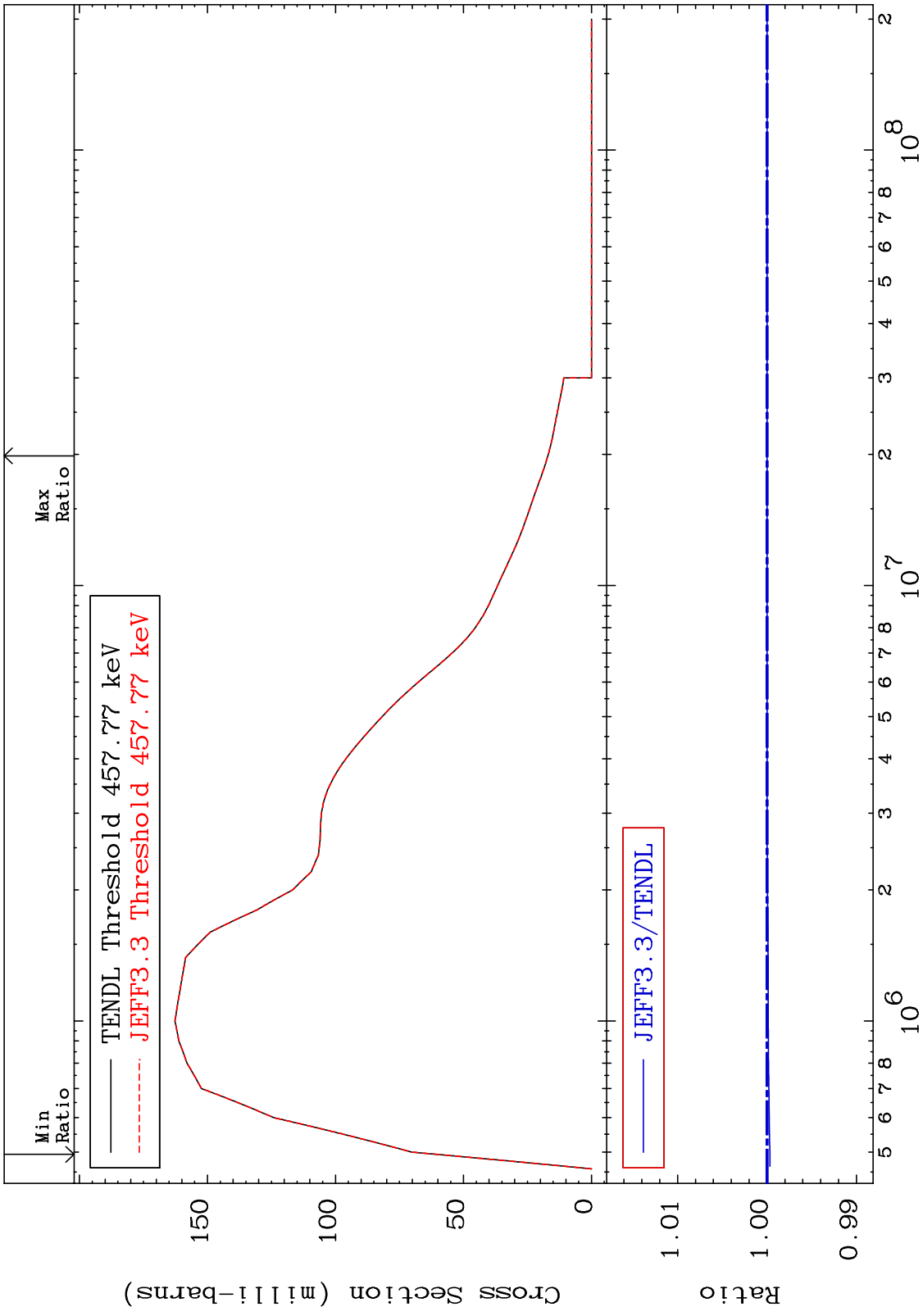


20 Incident Energy (eV) 80-Hg-199

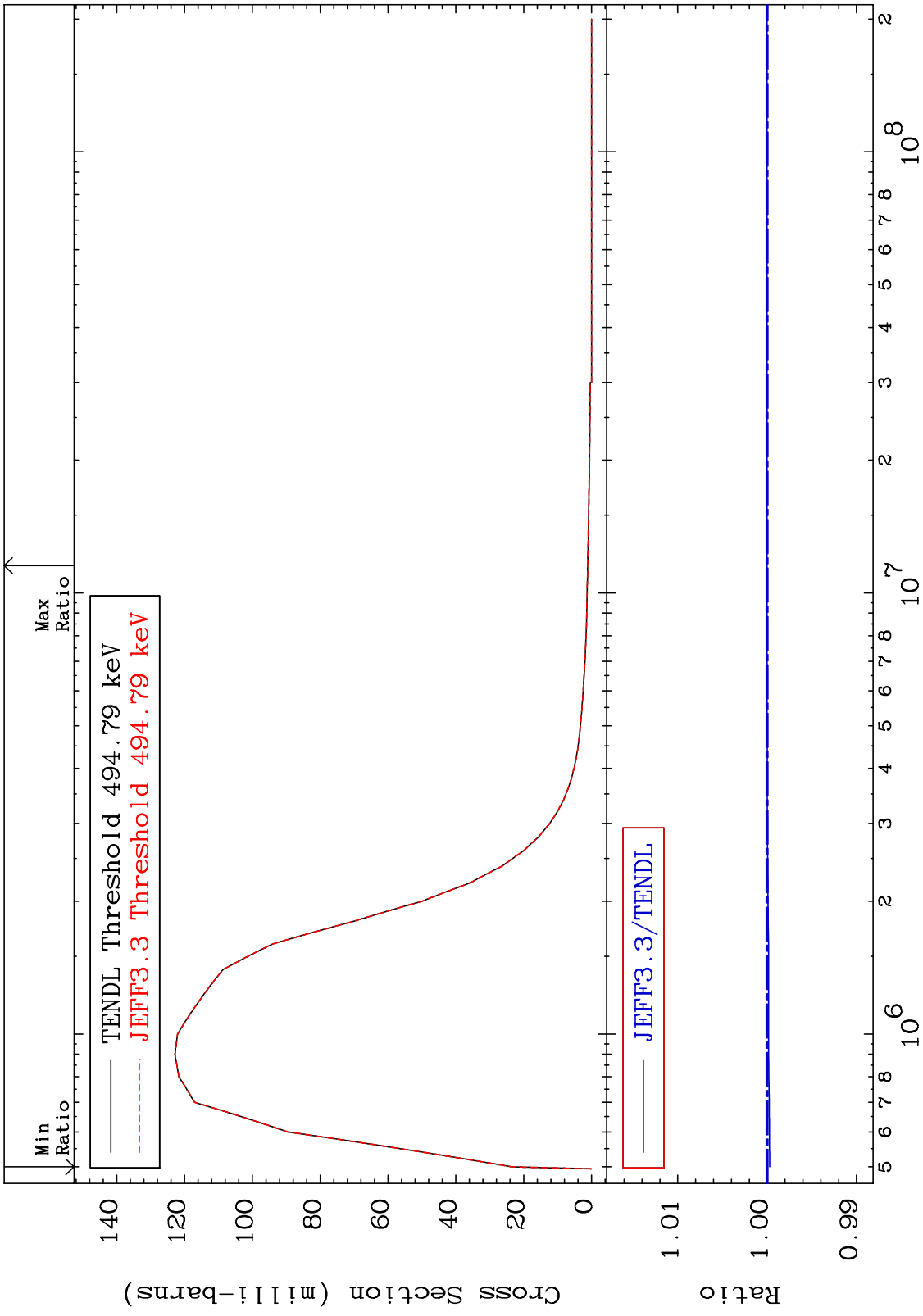
MAT 8034 MT= 54 (n,n') Level Cross Section -0.061 To 0.000 % 80-Hg-199



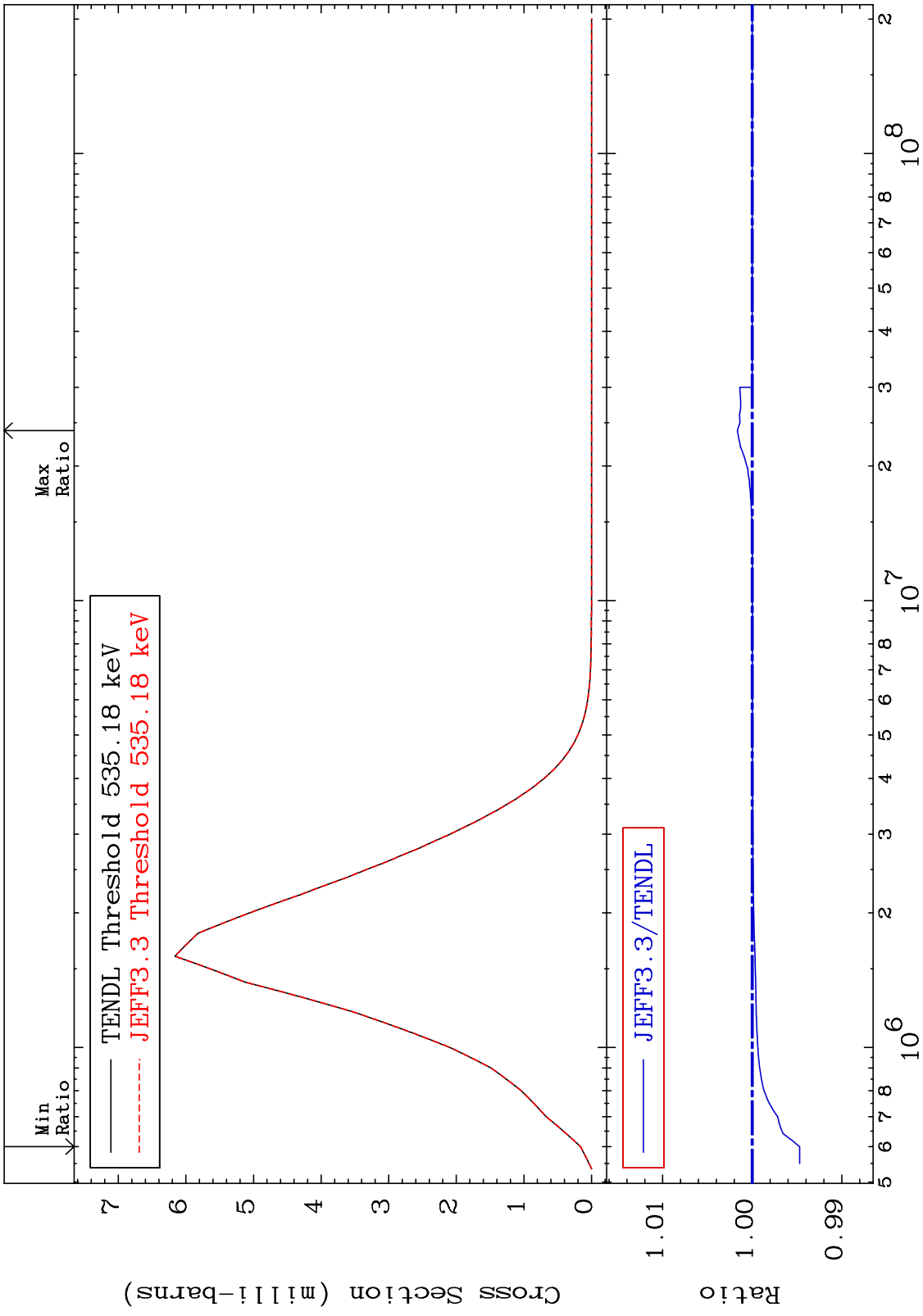
MAT 8034 MT= 55 (n,n') Level Cross Section -0.031 To 0.000 % 80-Hg-199



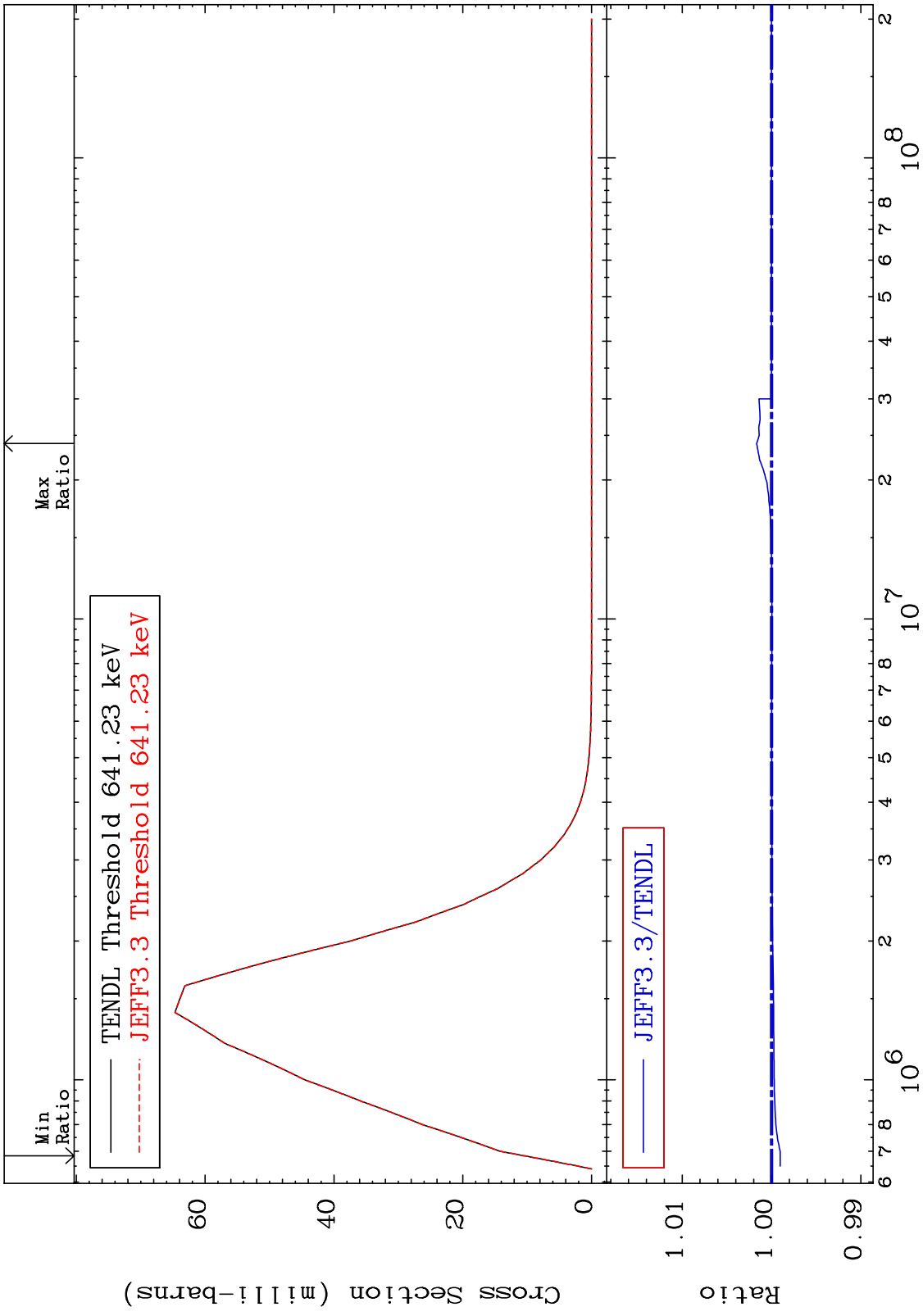
MAT 8034 MT= 56 (n,n') Level Cross Section -0.029 To 0.000 % 80-Hg-199



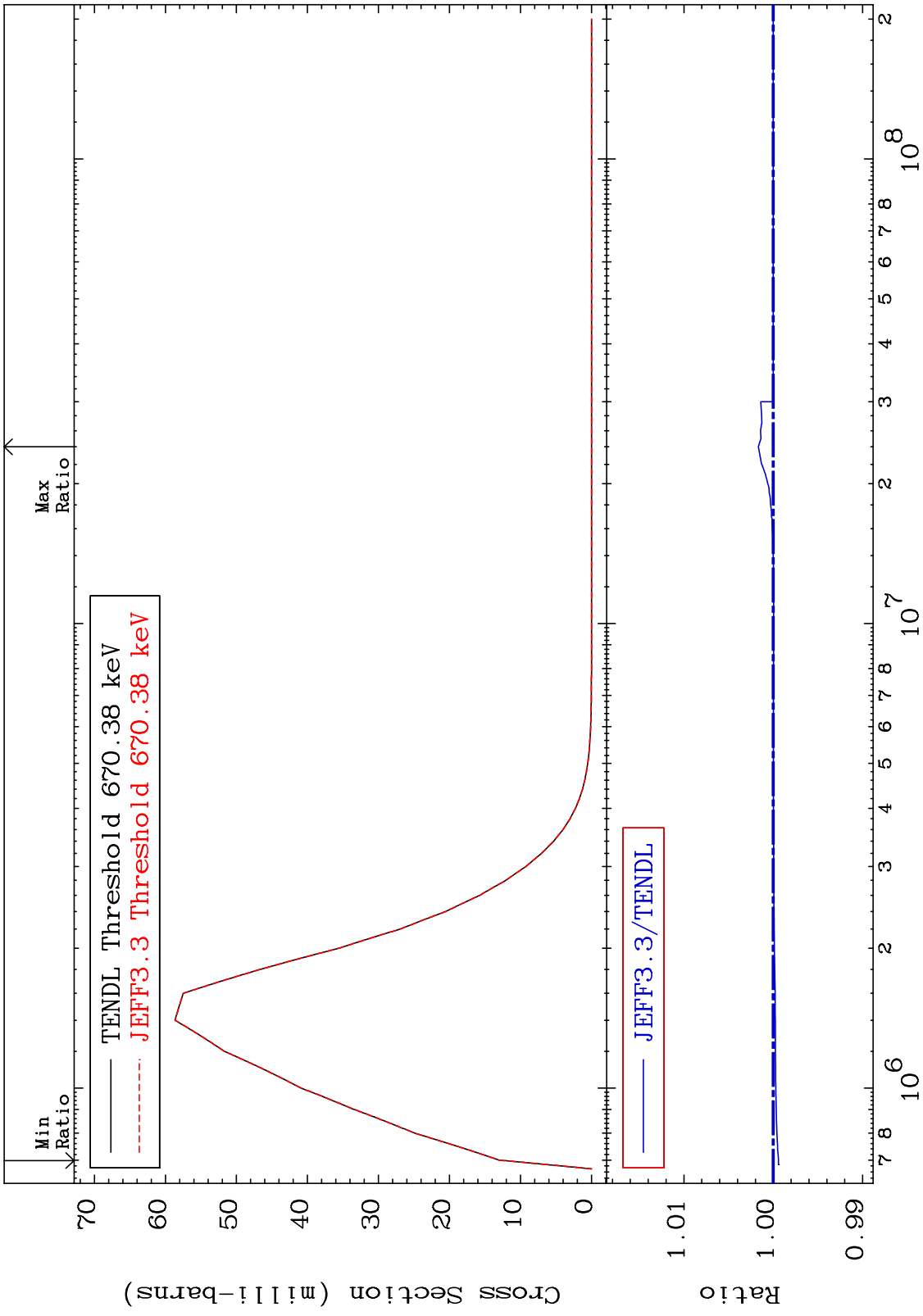
MAT 8034 MT= 57 (n,n') Level Cross Section -0.529 To 0.167 % 80-Hg-199



MAT 8034 MT= 58 (n,n') Level Cross Section -0.098 To 0.167 % 80-Hg-199



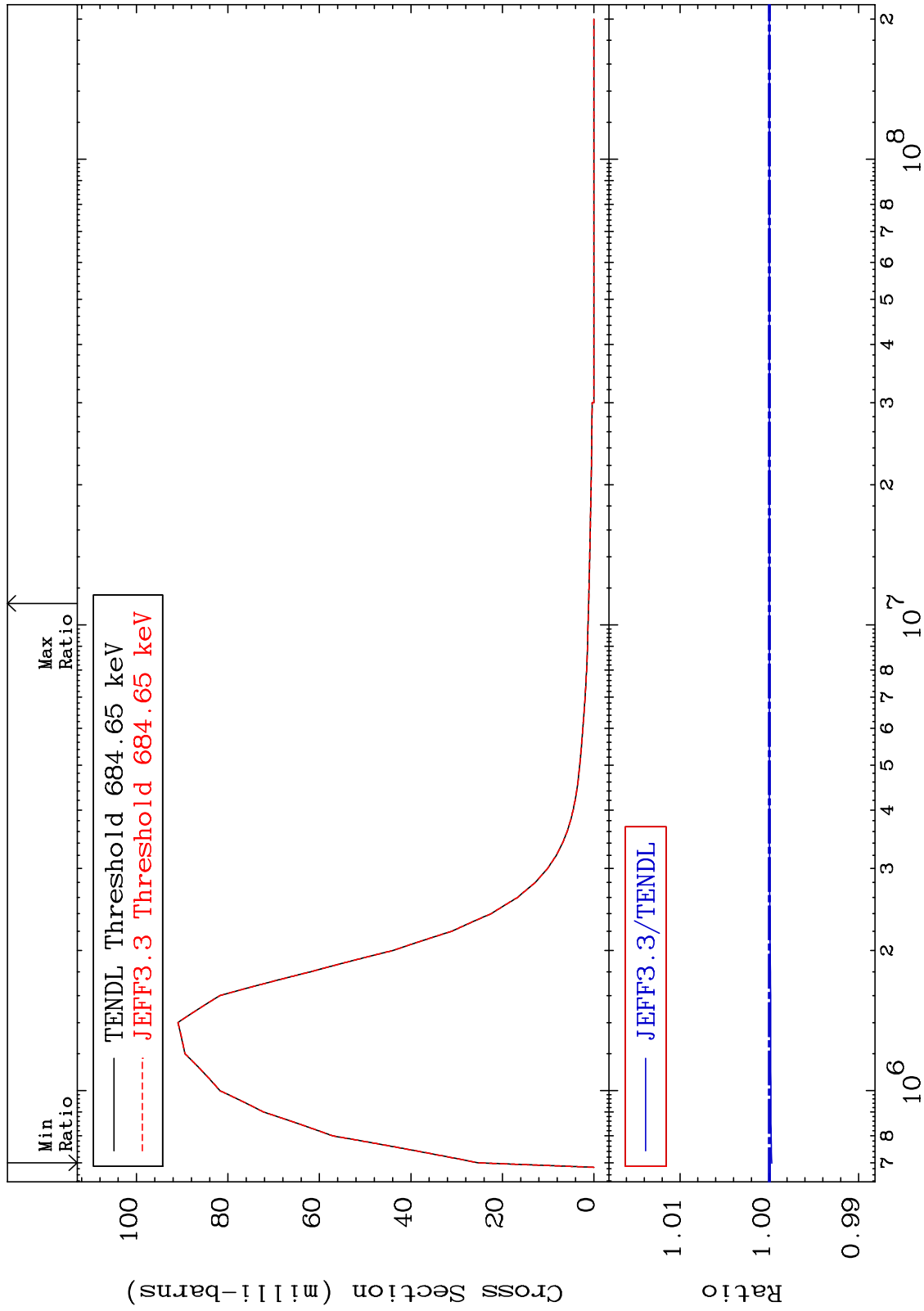
MAT 8034 MT= 59 (n,n') Level Cross Section -0.059 To 0.167 % 80-Hg-199



MAT 8034

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

80-Hg-199
-0.027 To 0.000 %

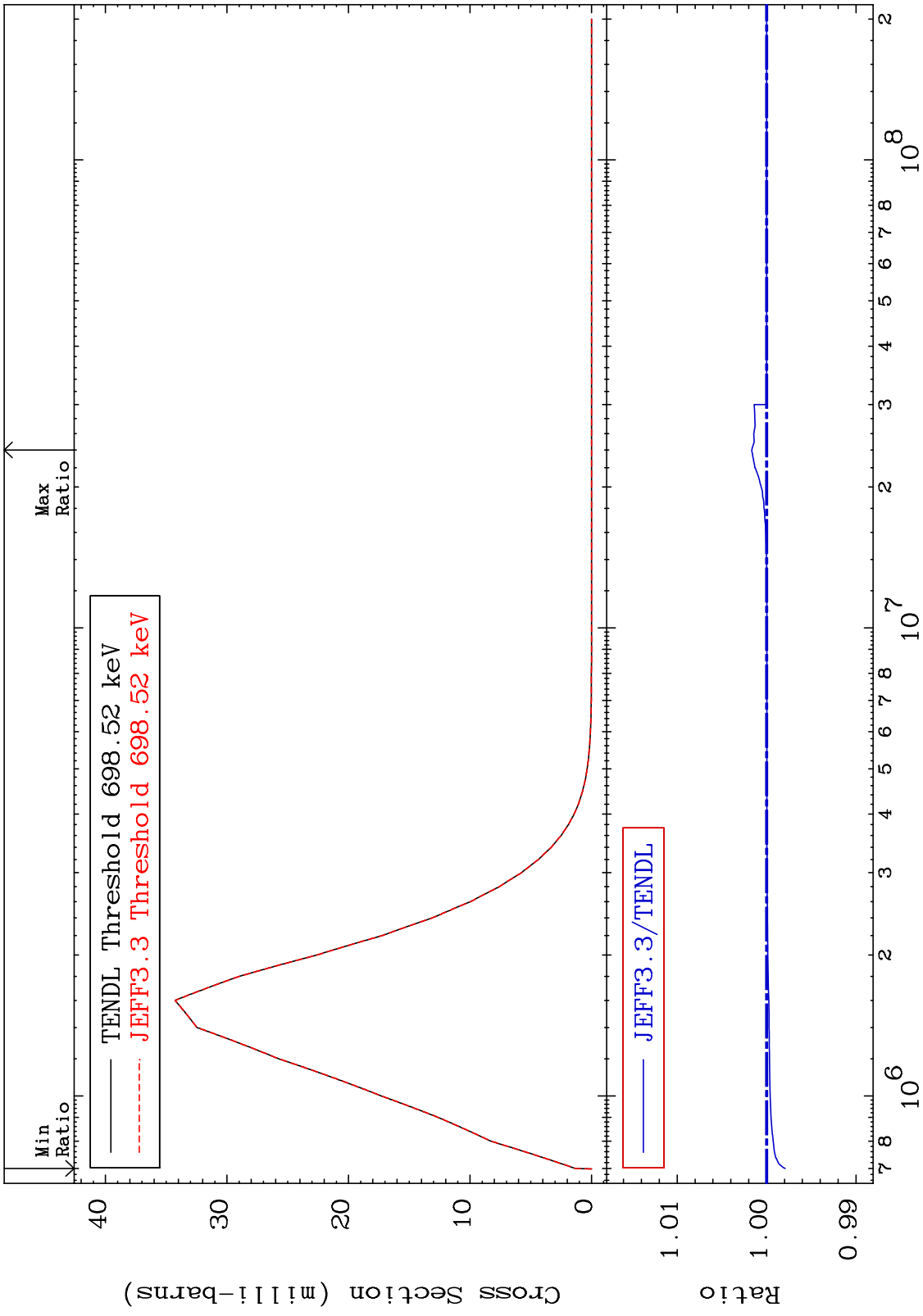


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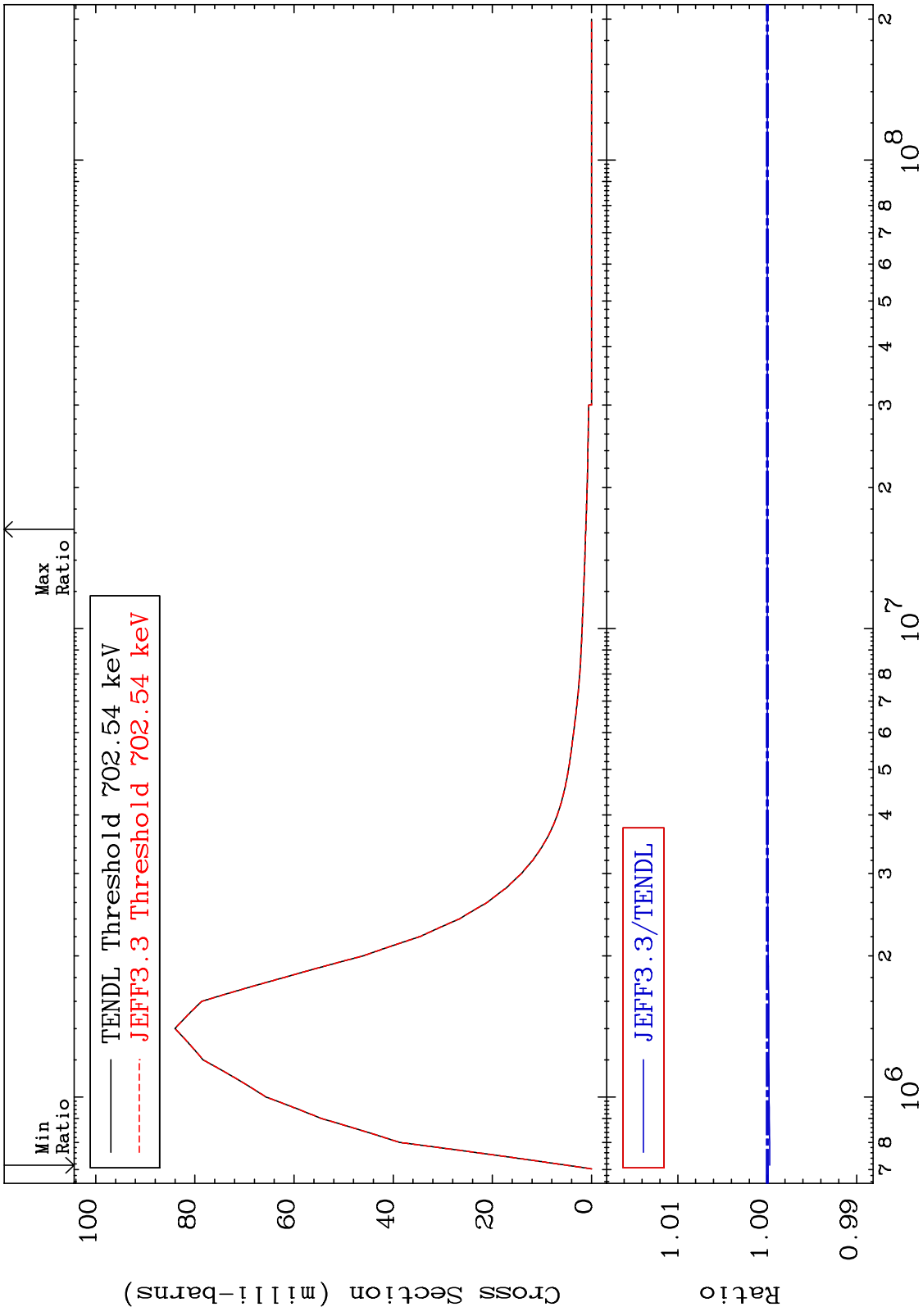
Incident Energy (eV)

80-Hg-199

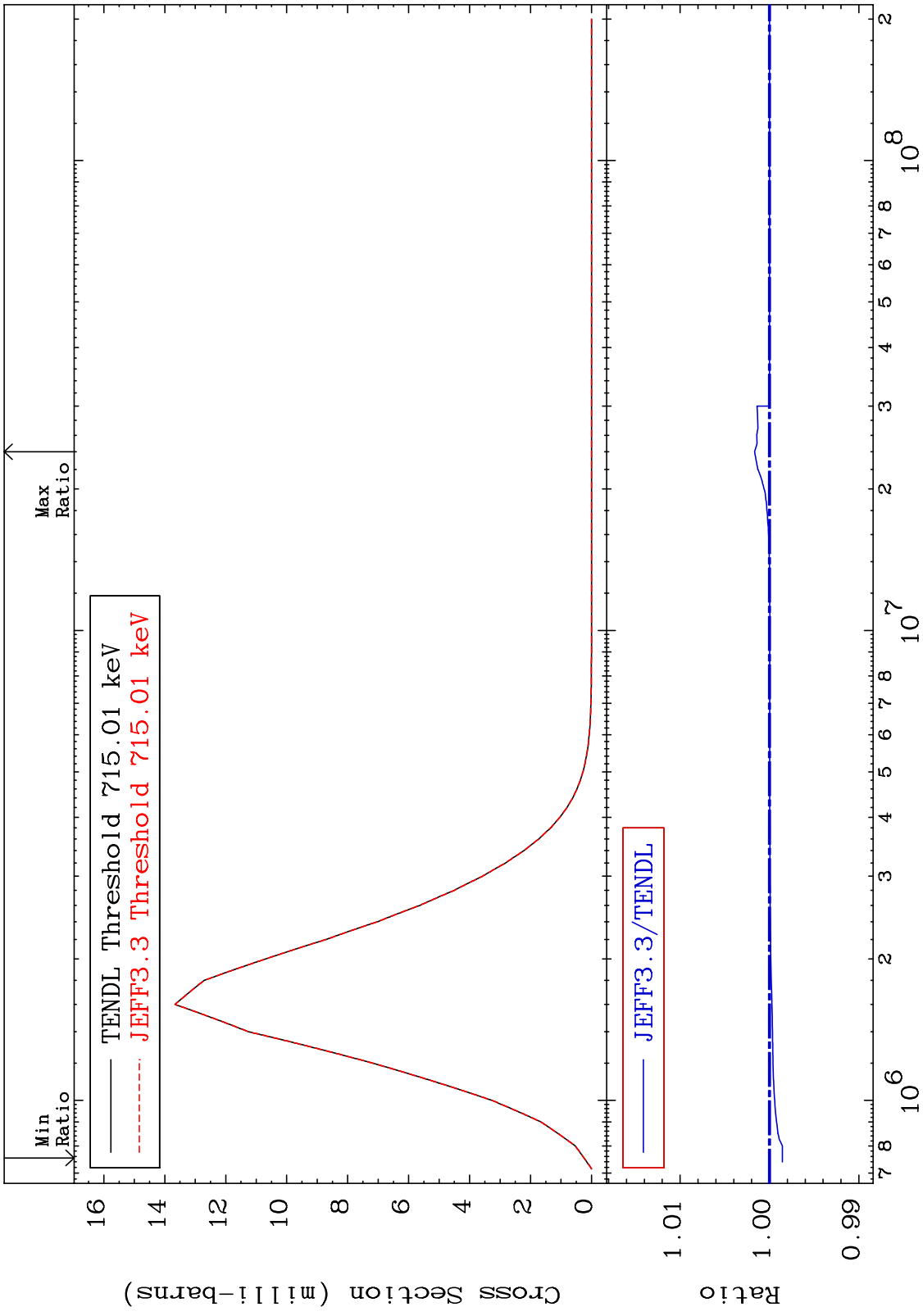
MAT 8034 MT= 61 (n,n') Level Cross Section 80-Hg-199
 -0.208 To 0.167 %



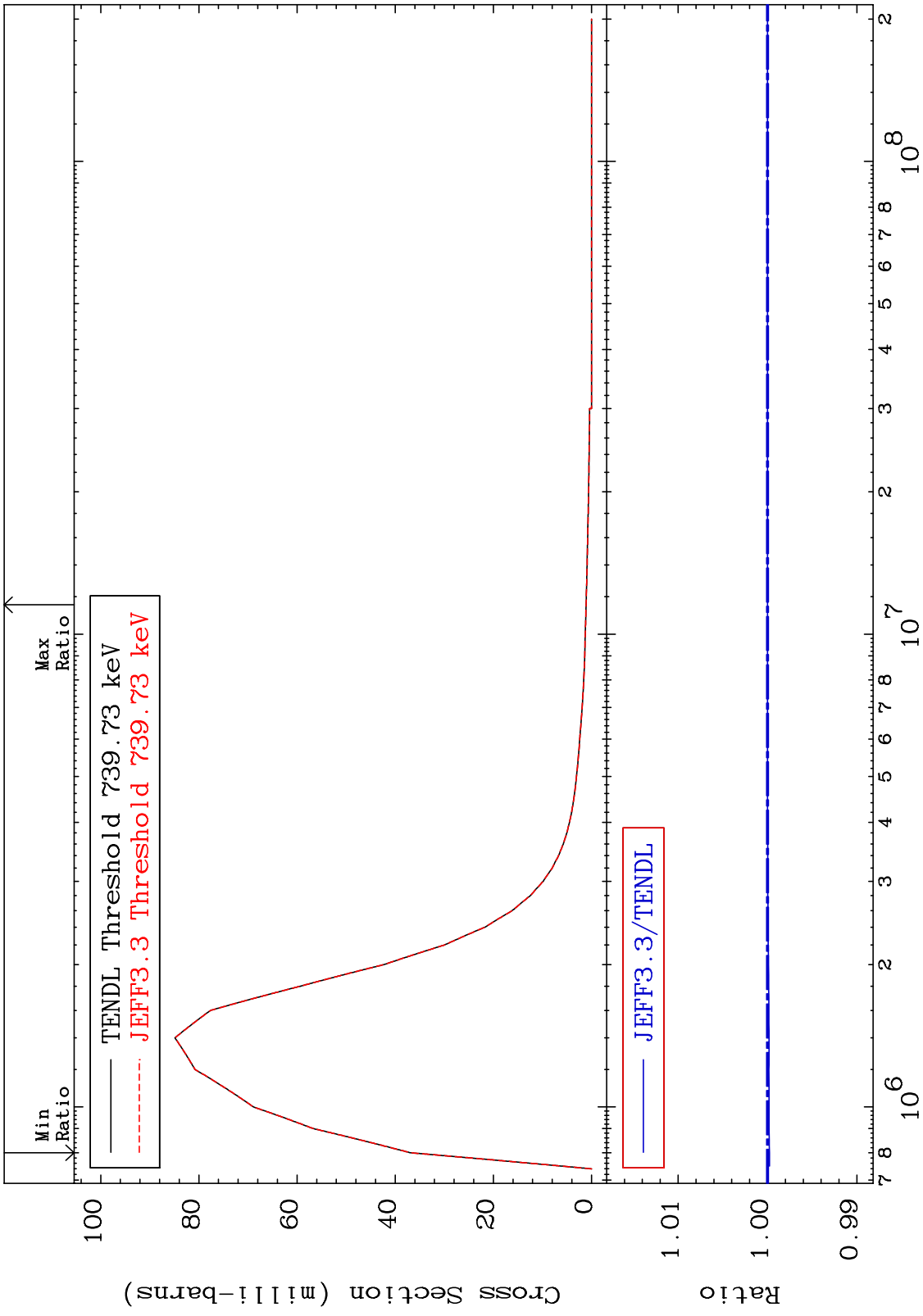
MAT 8034 MT= 62 (n,n') Level Cross Section -0.028 To 0.000 % 80-Hg-199



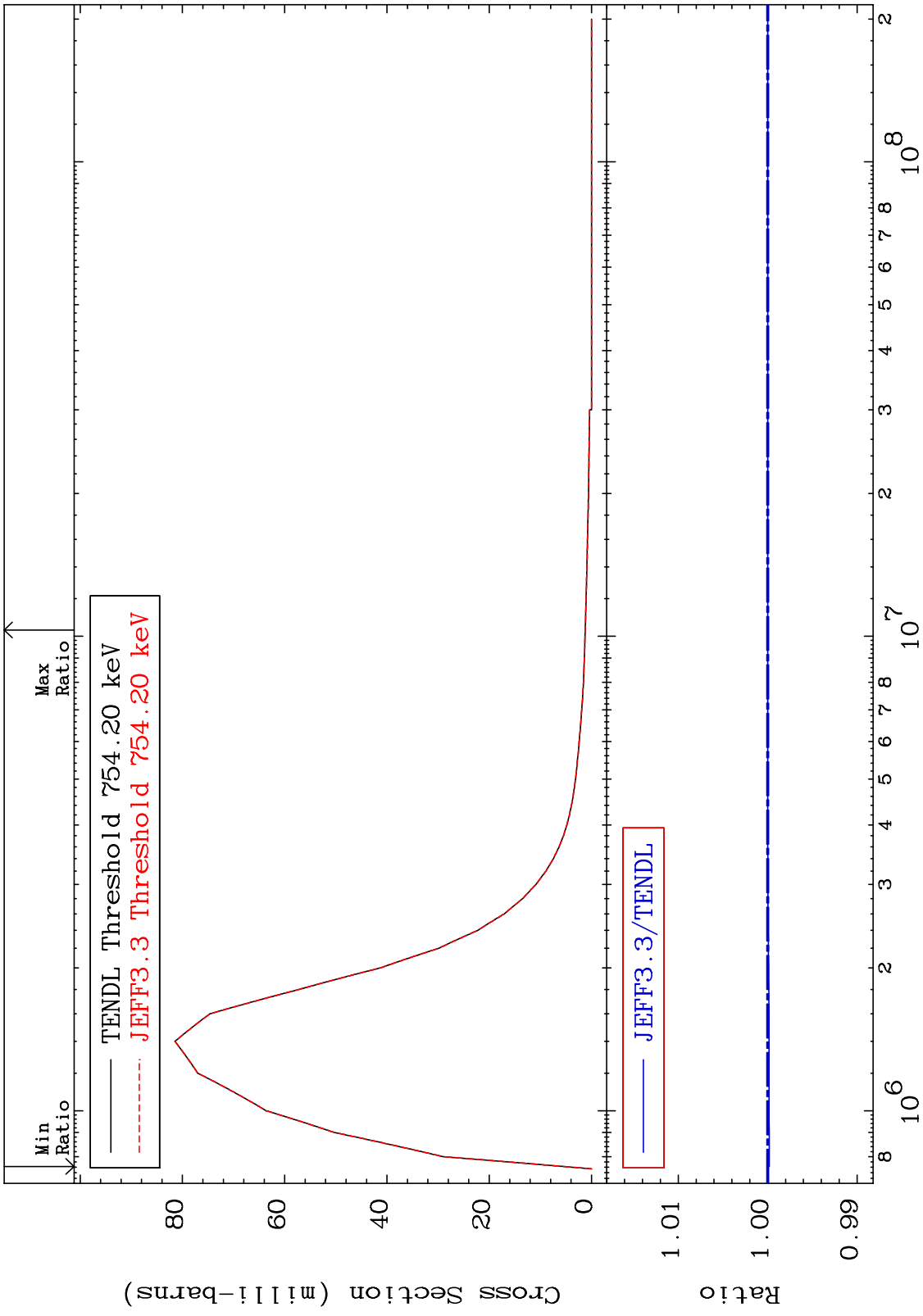
MAT 8034 MT= 63 (n,n') Level Cross Section -0.144 To 0.167 % 80-Hg-199



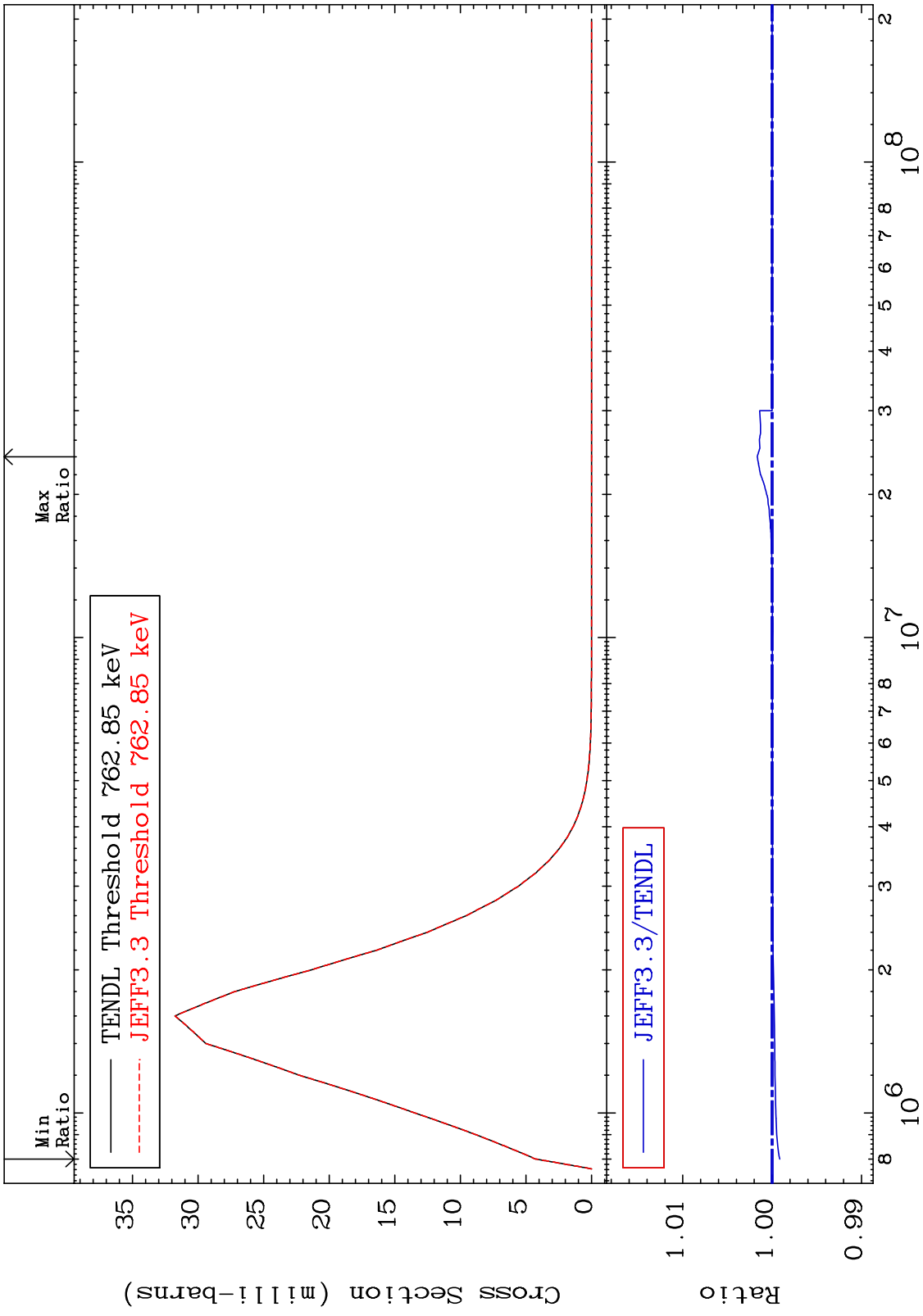
MAT 8034 MT= 64 (n,n') Level Cross Section 80-Hg-199
 -0.021 To 0.000 %



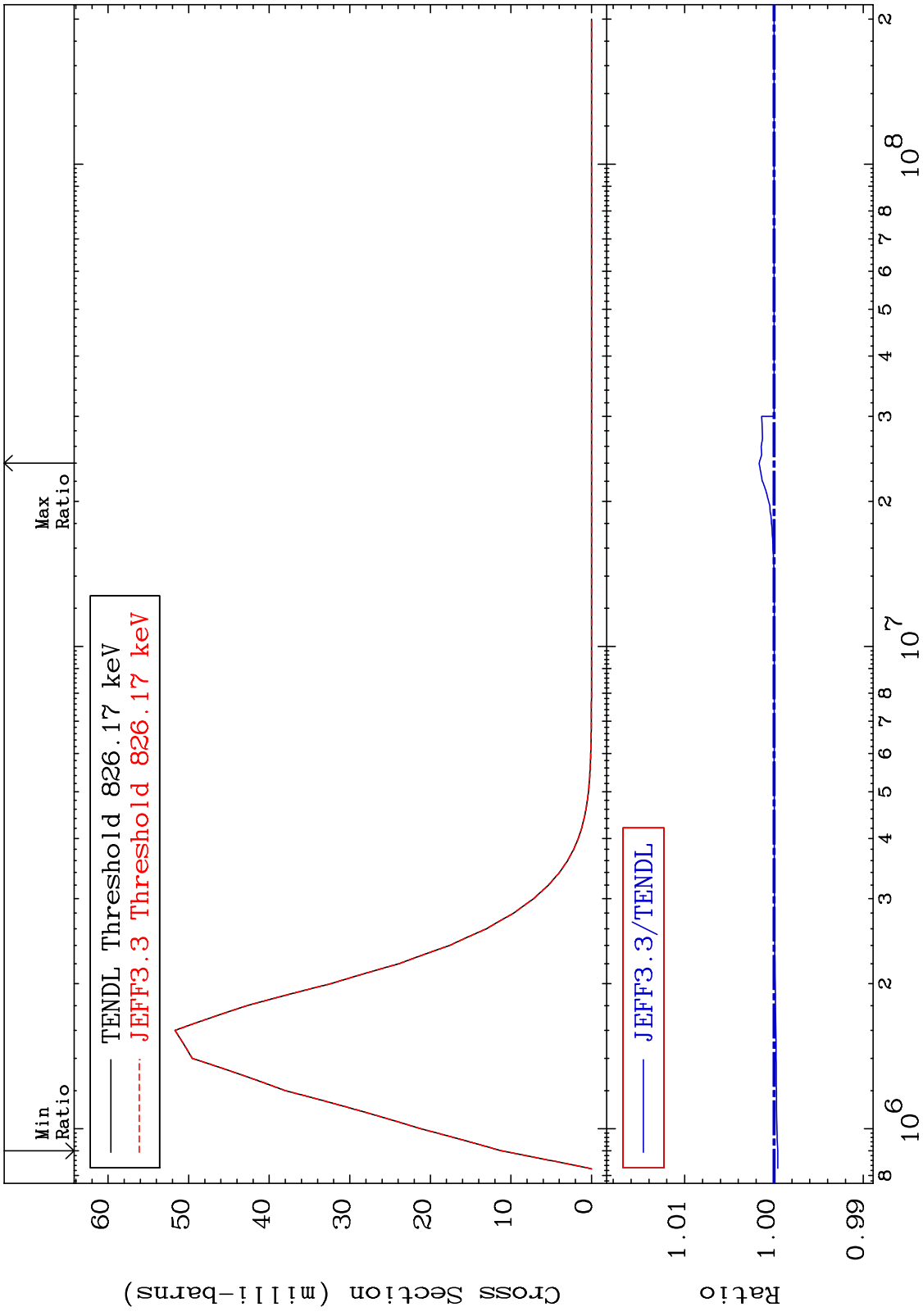
MAT 8034 MT= 65 (n,n') Level Cross Section -0.017 To 0.000 % 80-Hg-199



MAT 8034 MT= 66 (n,n') Level Cross Section 80-Hg-199
 -0.084 To 0.167 %

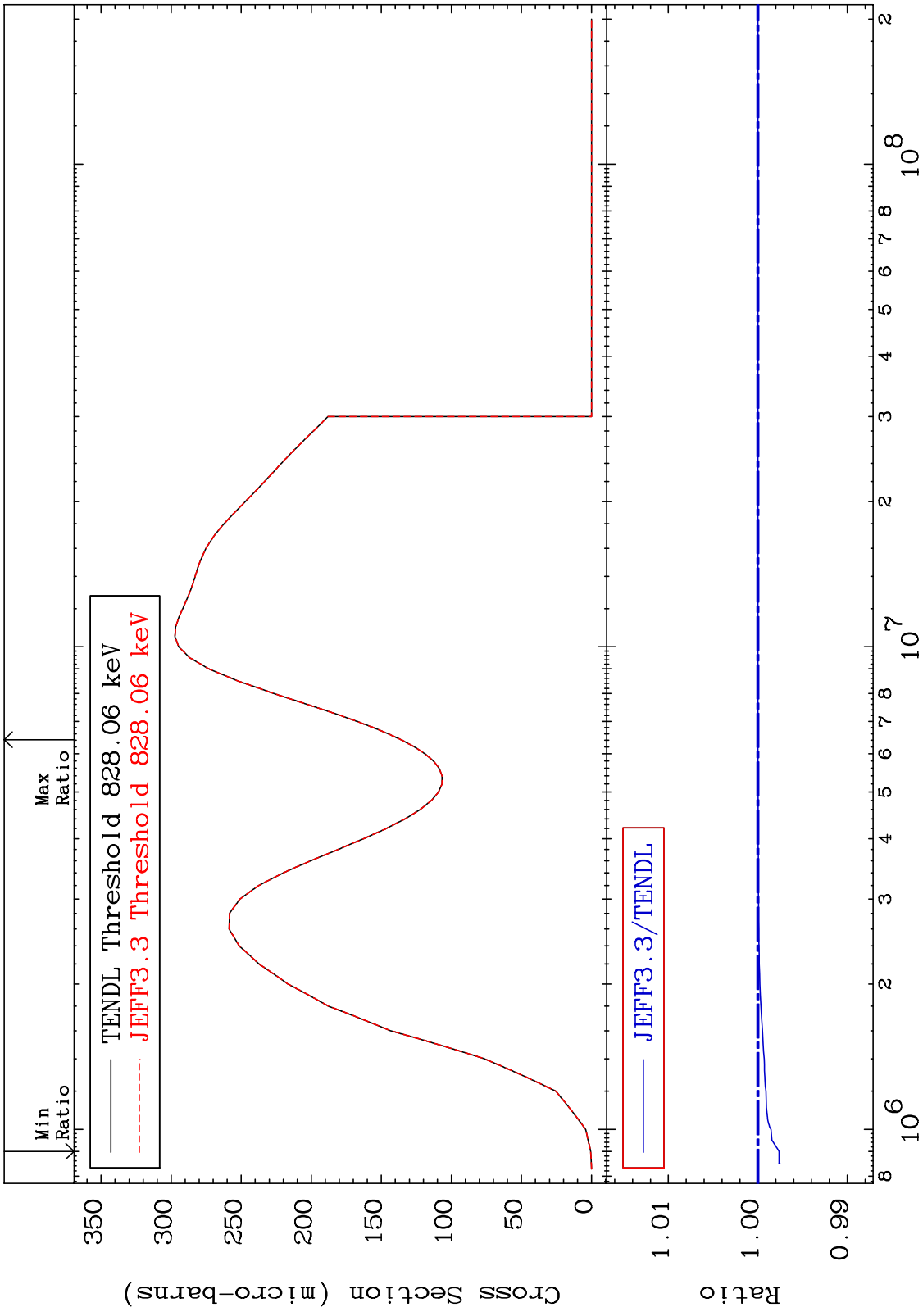


MAT 8034 MT= 67 (n,n') Level Cross Section 80-Hg-199 -0.042 To 0.167 %

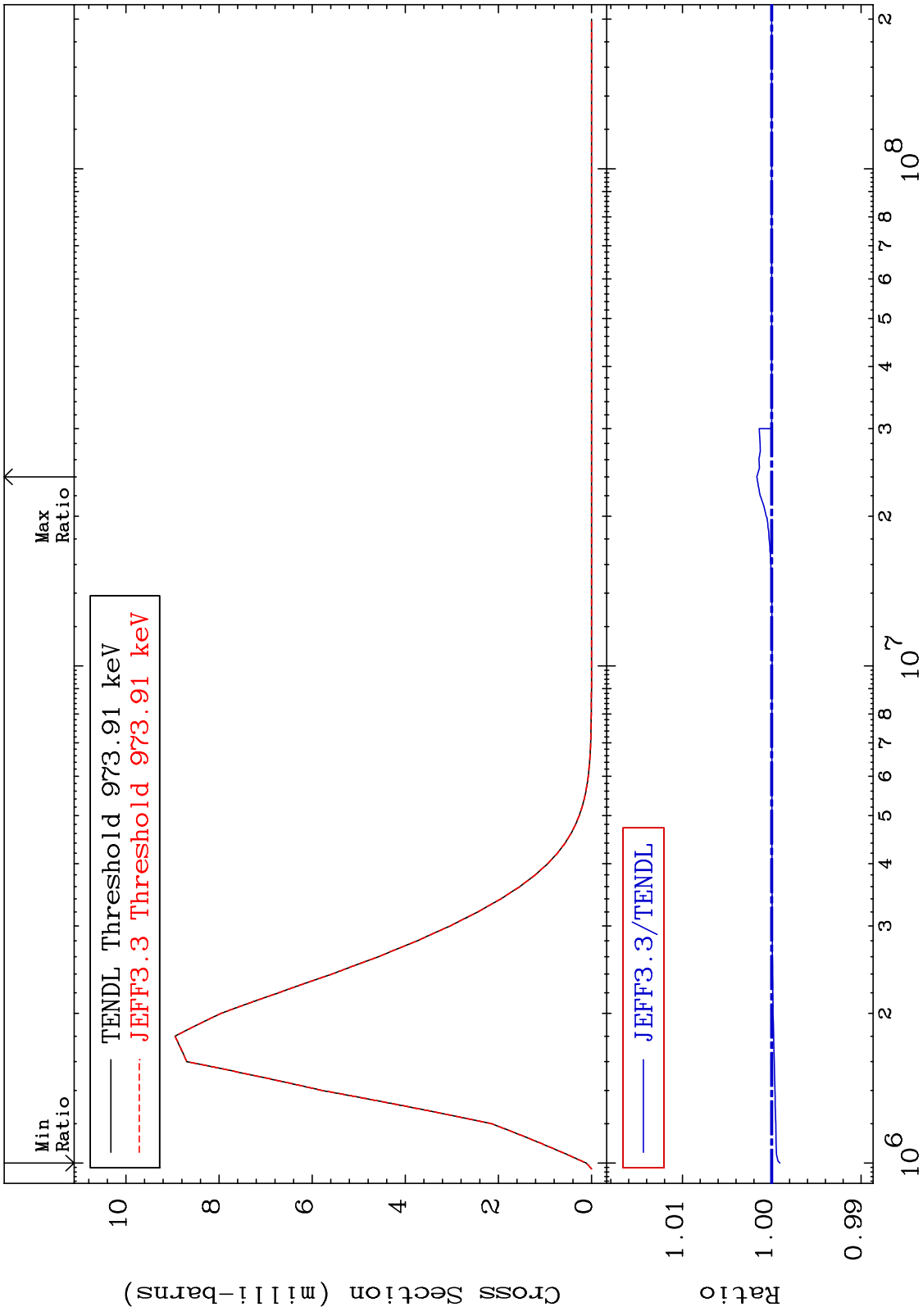


34 80-Hg-199

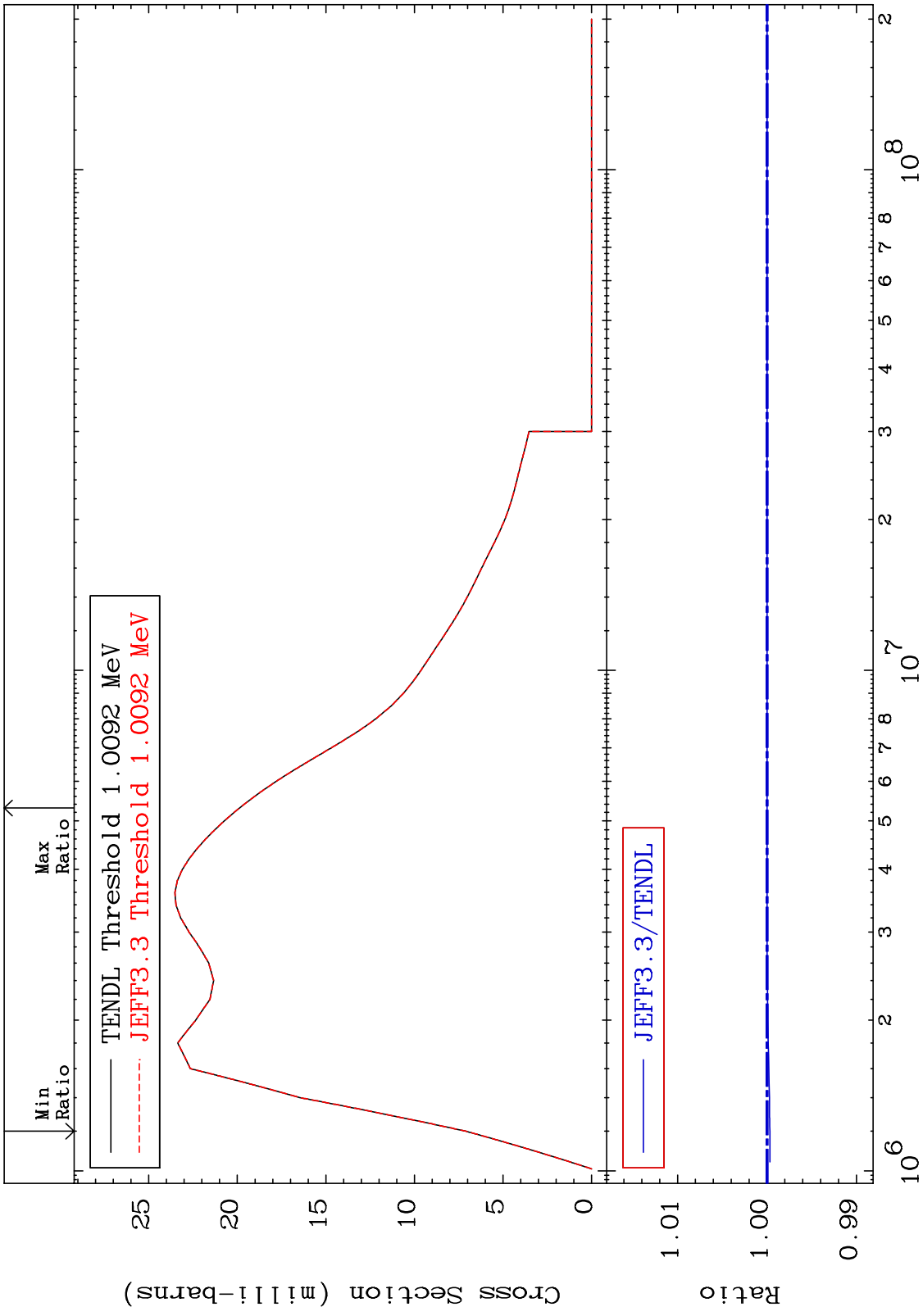
MAT 8034 MT= 68 (n,n') Level Cross Section 80-Hg-199 -0.236 To 0.000 %



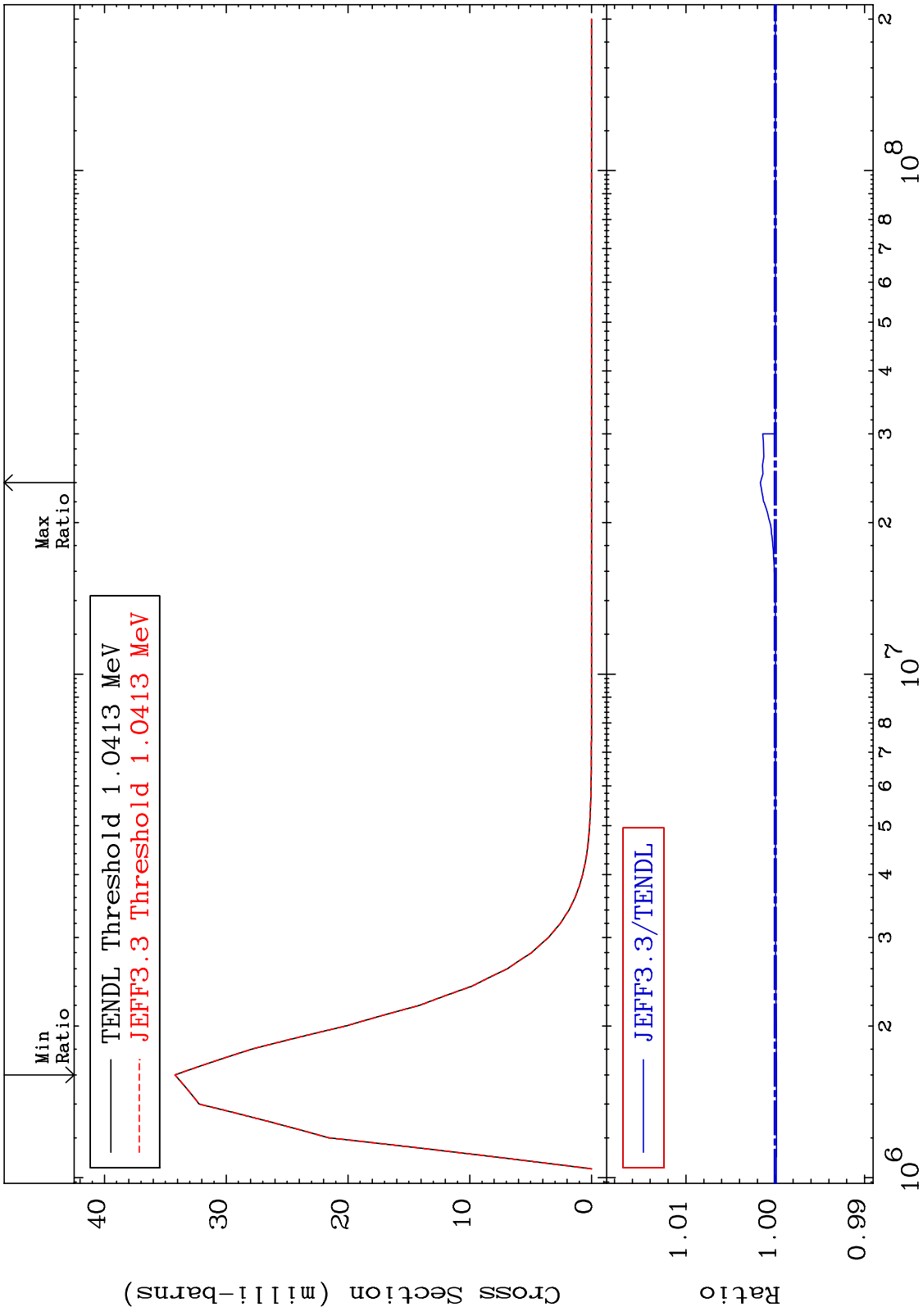
MAT 8034 MT= 69 (n,n') Level Cross Section 80-Hg-199
 -0.093 To 0.167 %



MAT 8034 MT= 70 (n,n') Level Cross Section 80-Hg-199
 -0.033 To 0.000 %

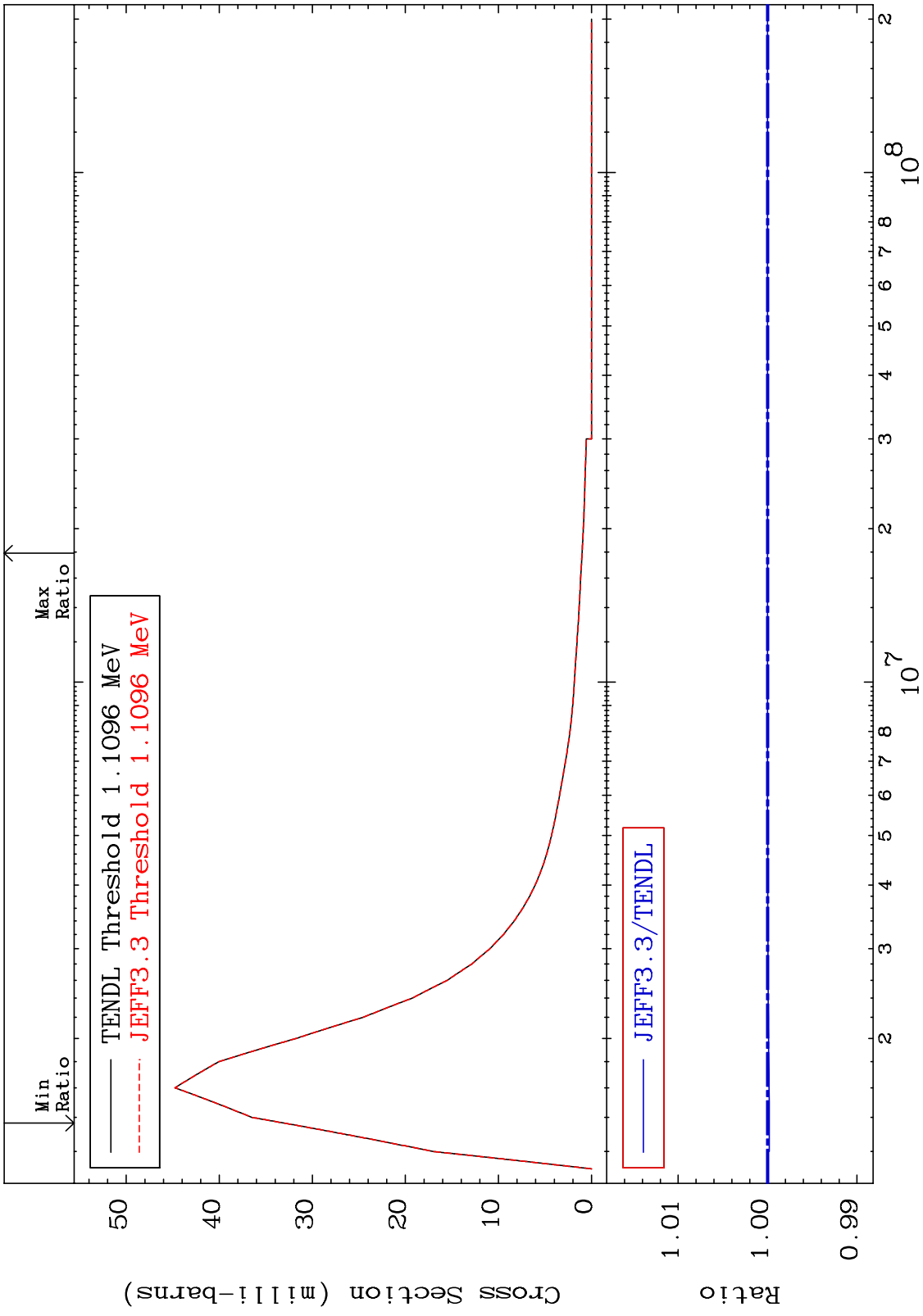


MAT 8034 MT= 71 (n,n') Level Cross Section -0.014 To 0.167 % 80-Hg-199

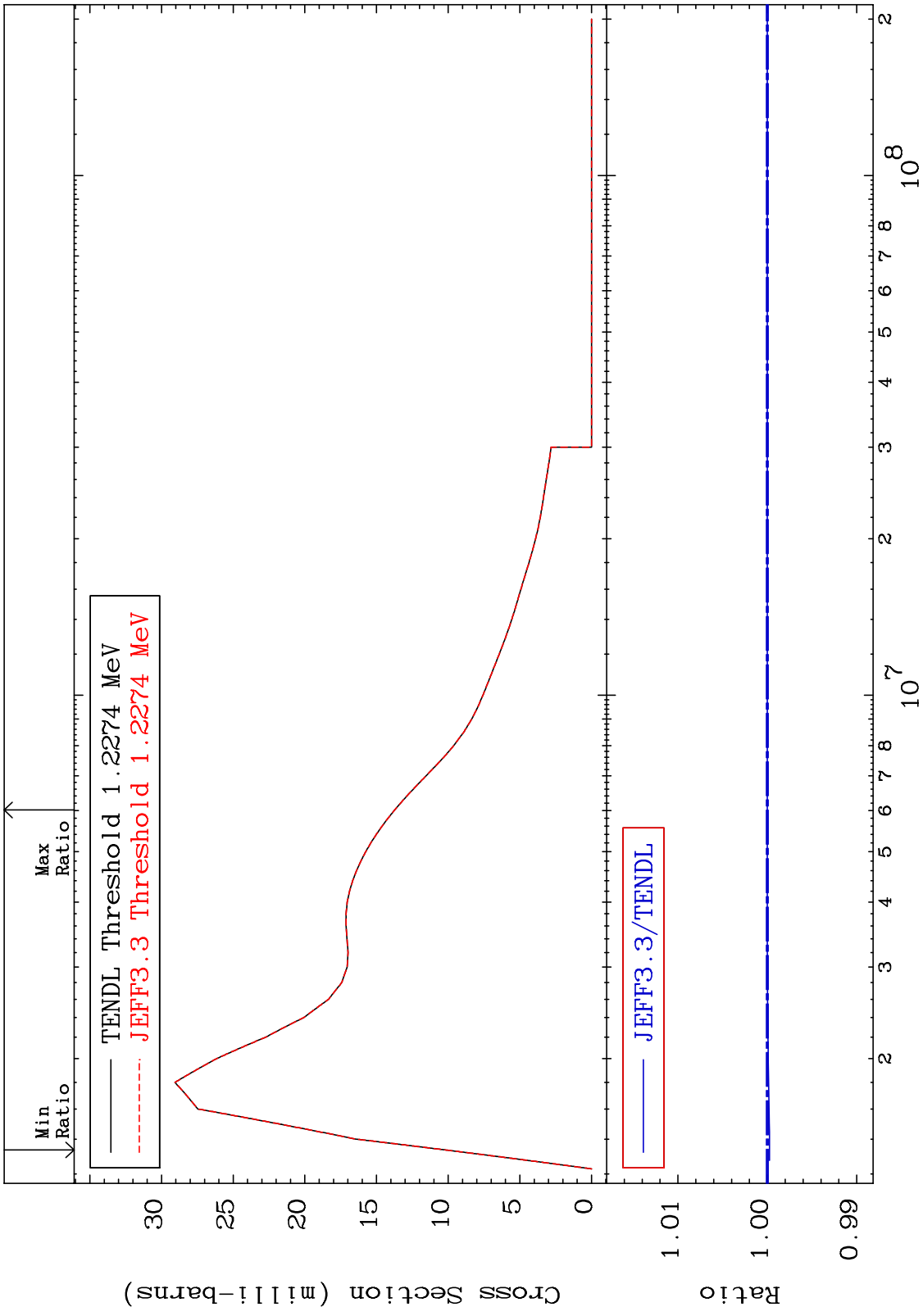


38 Incident Energy (eV) 80-Hg-199

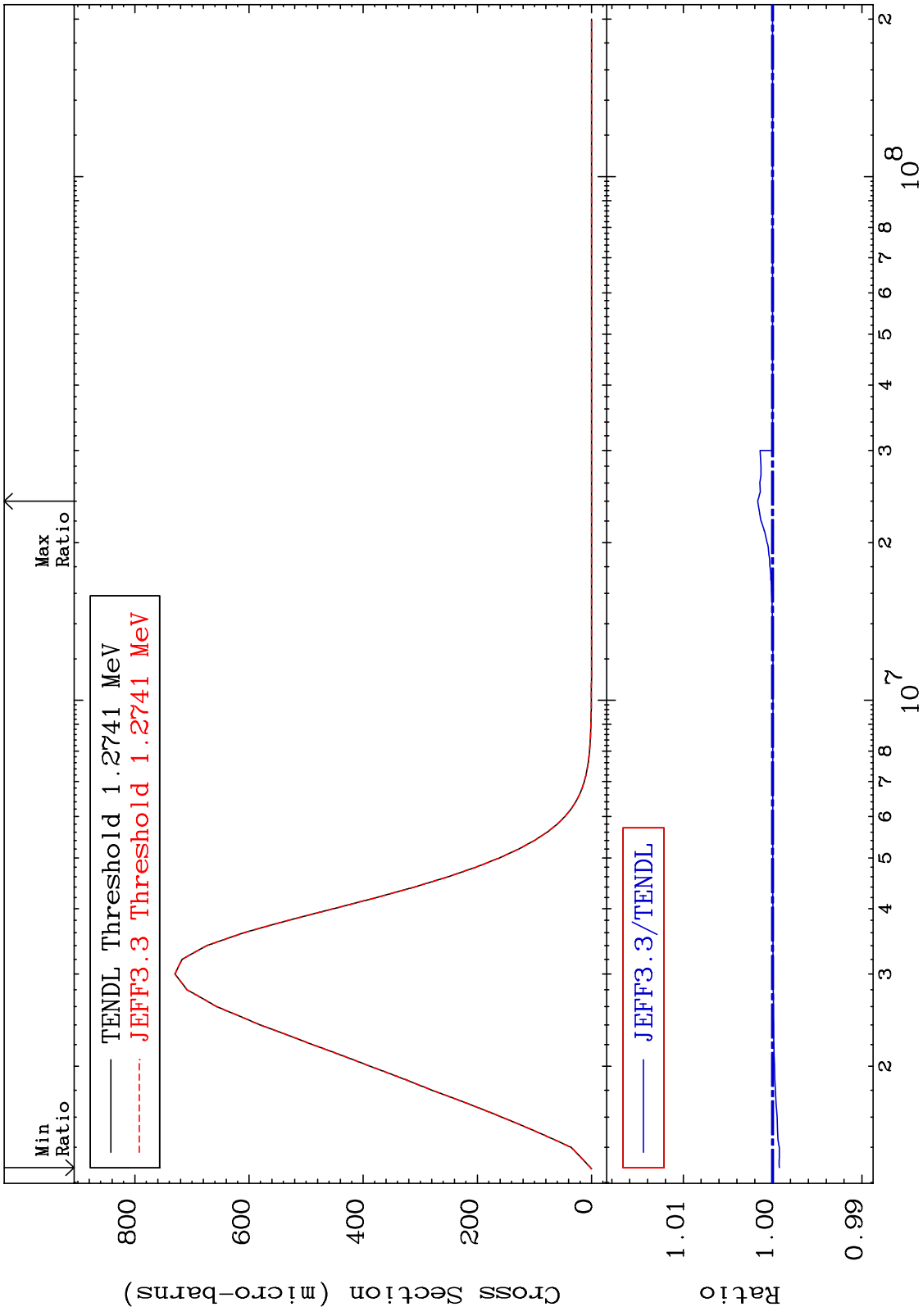
MAT 8034 MT= 72 (n,n') Level Cross Section -0.019 To 0.000 % 80-Hg-199



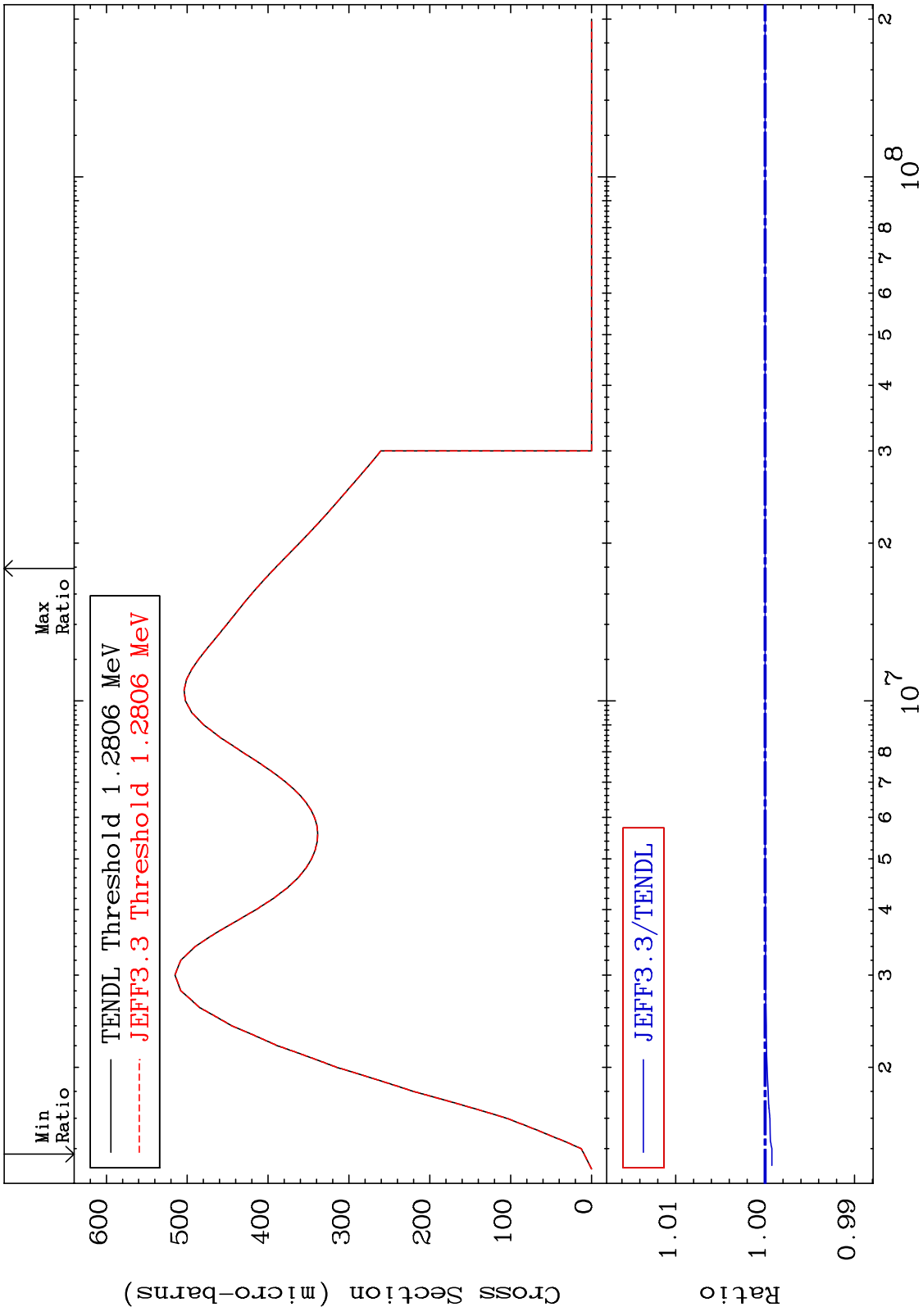
MAT 8034 MT= 73 (n,n') Level Cross Section 80-Hg-199
 -0.025 To 0.000 %



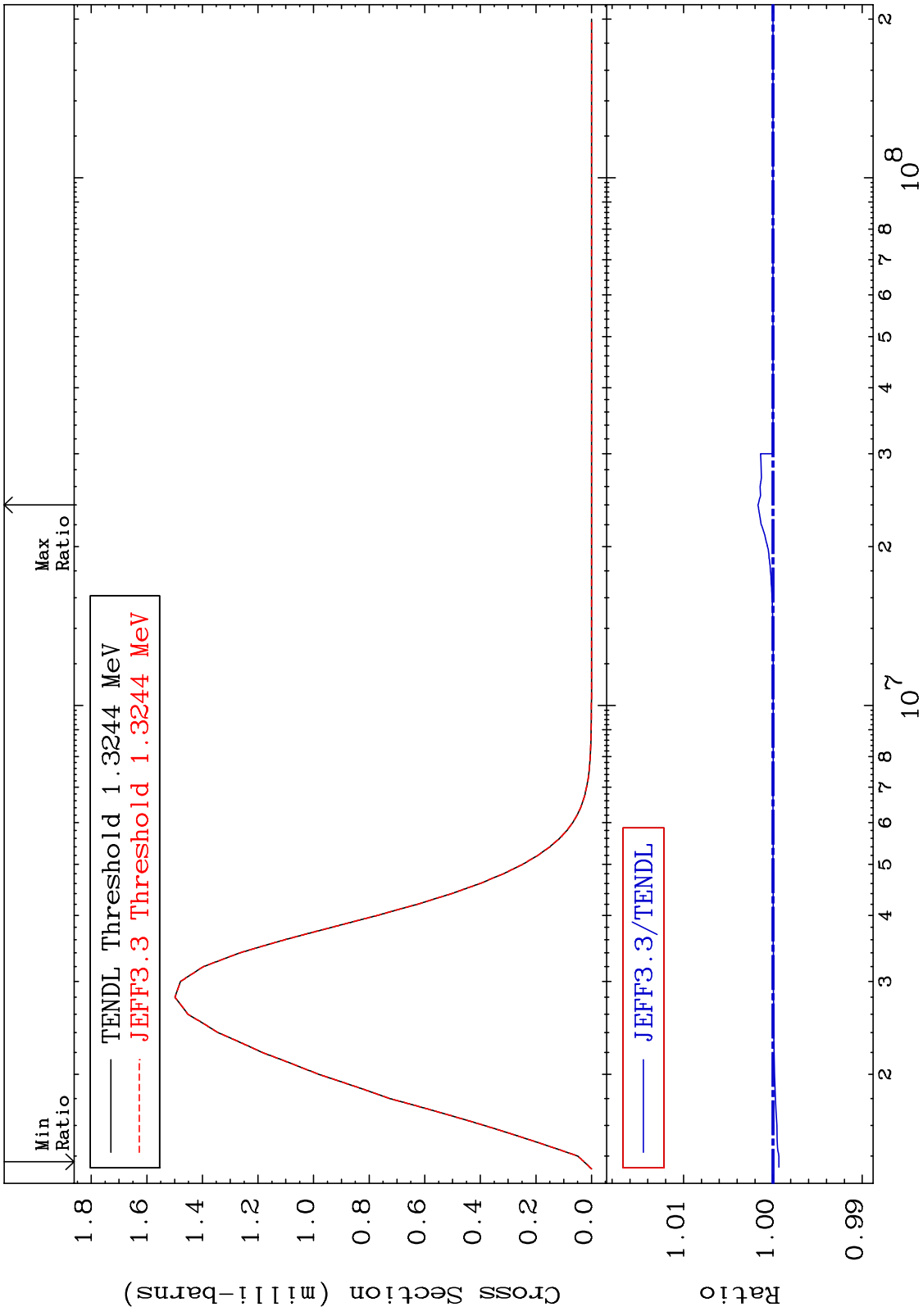
MAT 8034 MT= 74 (n,n') Level Cross Section 80-Hg-199
 -0.074 To 0.167 %



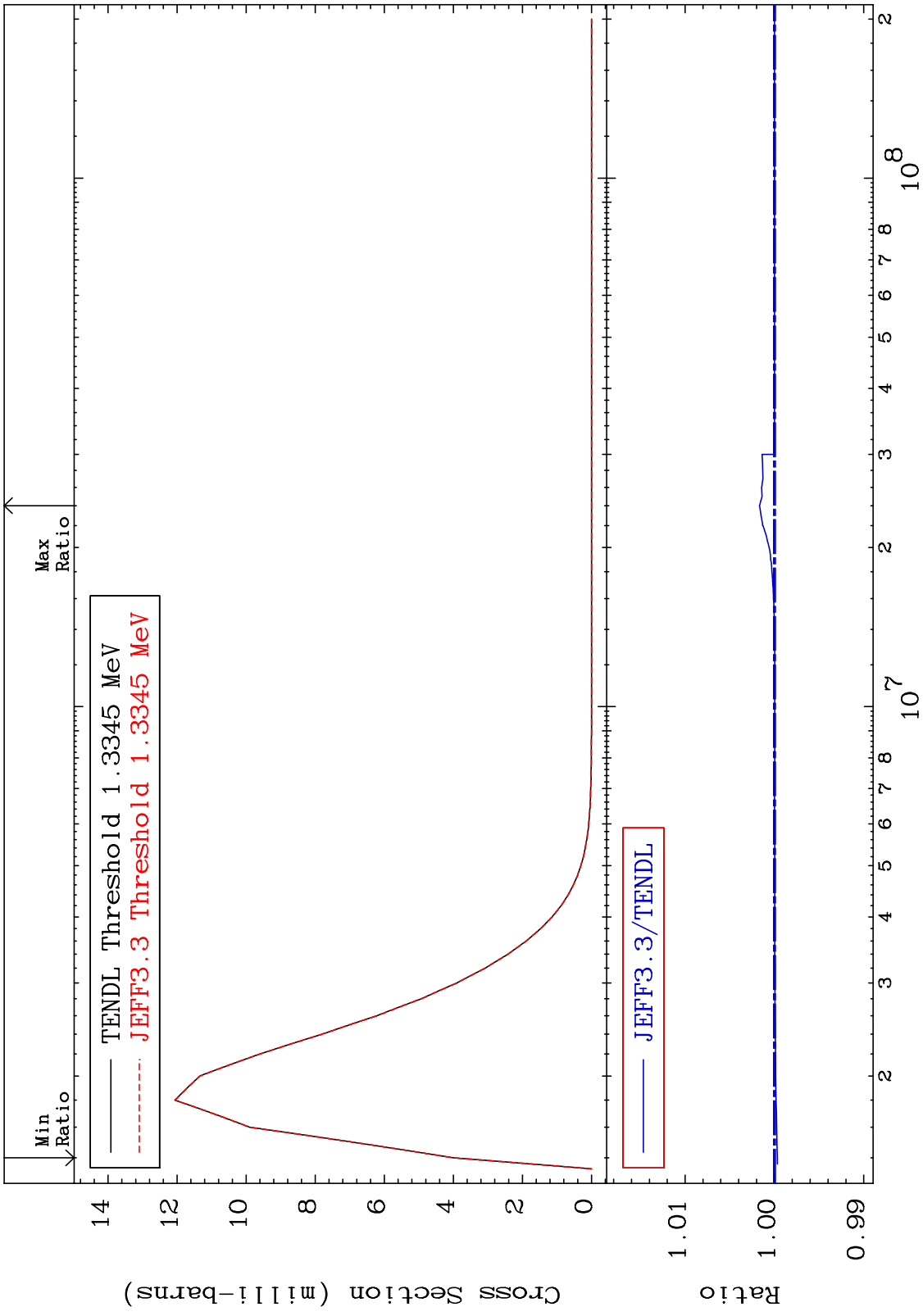
MAT 8034 MT= 75 (n,n') Level Cross Section 80-Hg-199
 -0.075 To 0.000 %



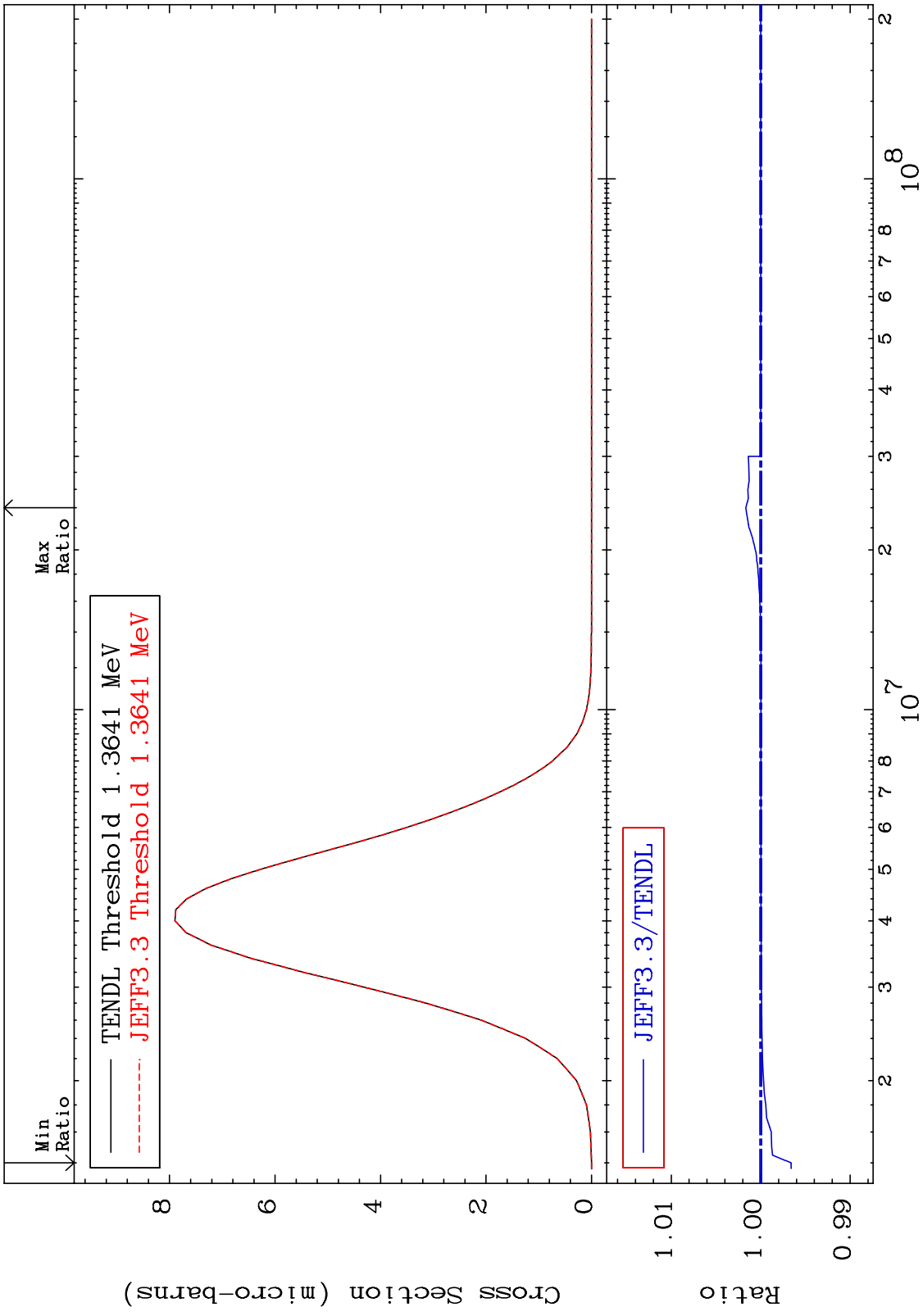
MAT 8034 MT= 76 (n,n') Level Cross Section -0.067 To 0.167 % 80-Hg-199



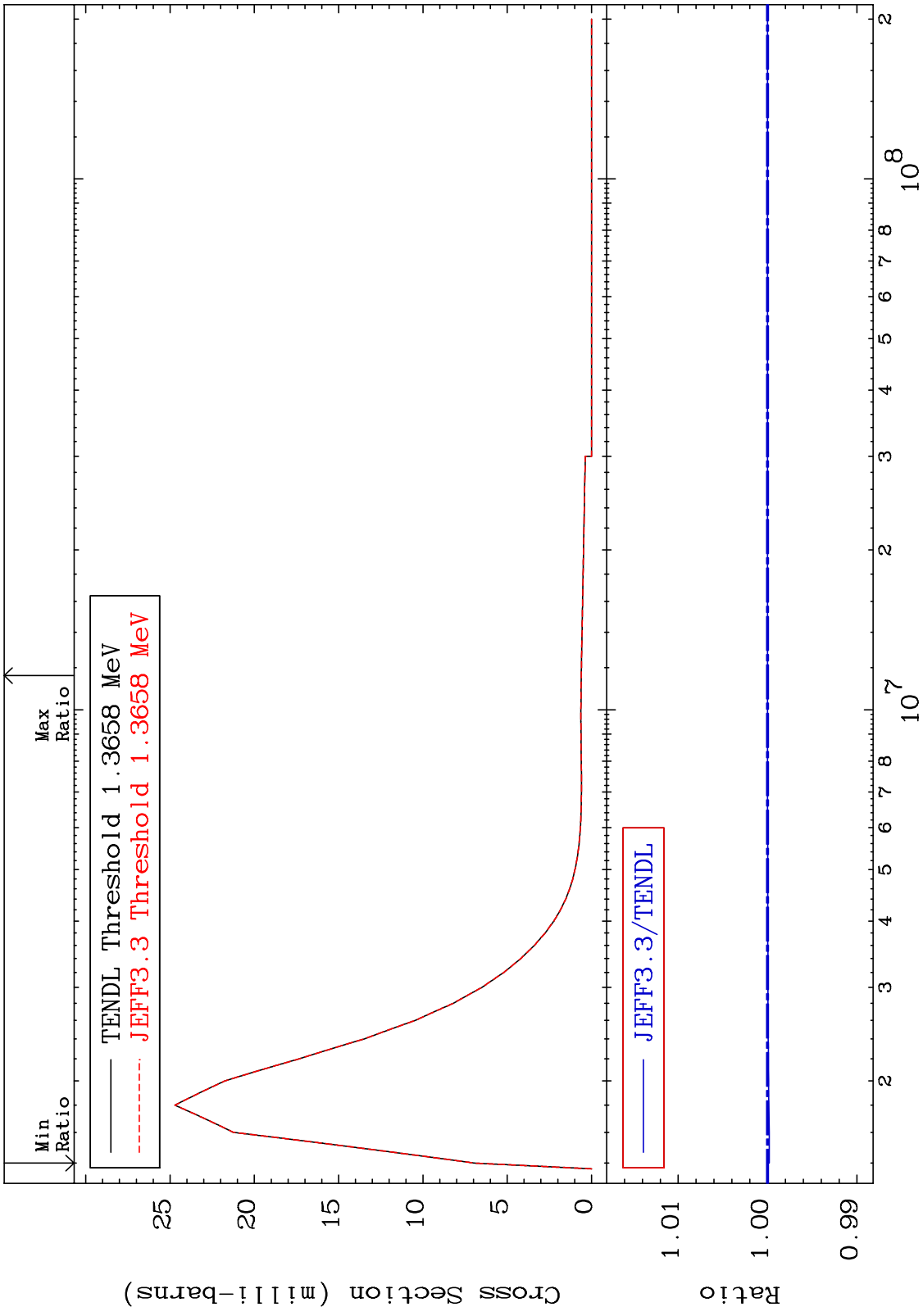
MAT 8034 MT= 77 (n,n') Level Cross Section 80-Hg-199
 -0.033 To 0.167 %



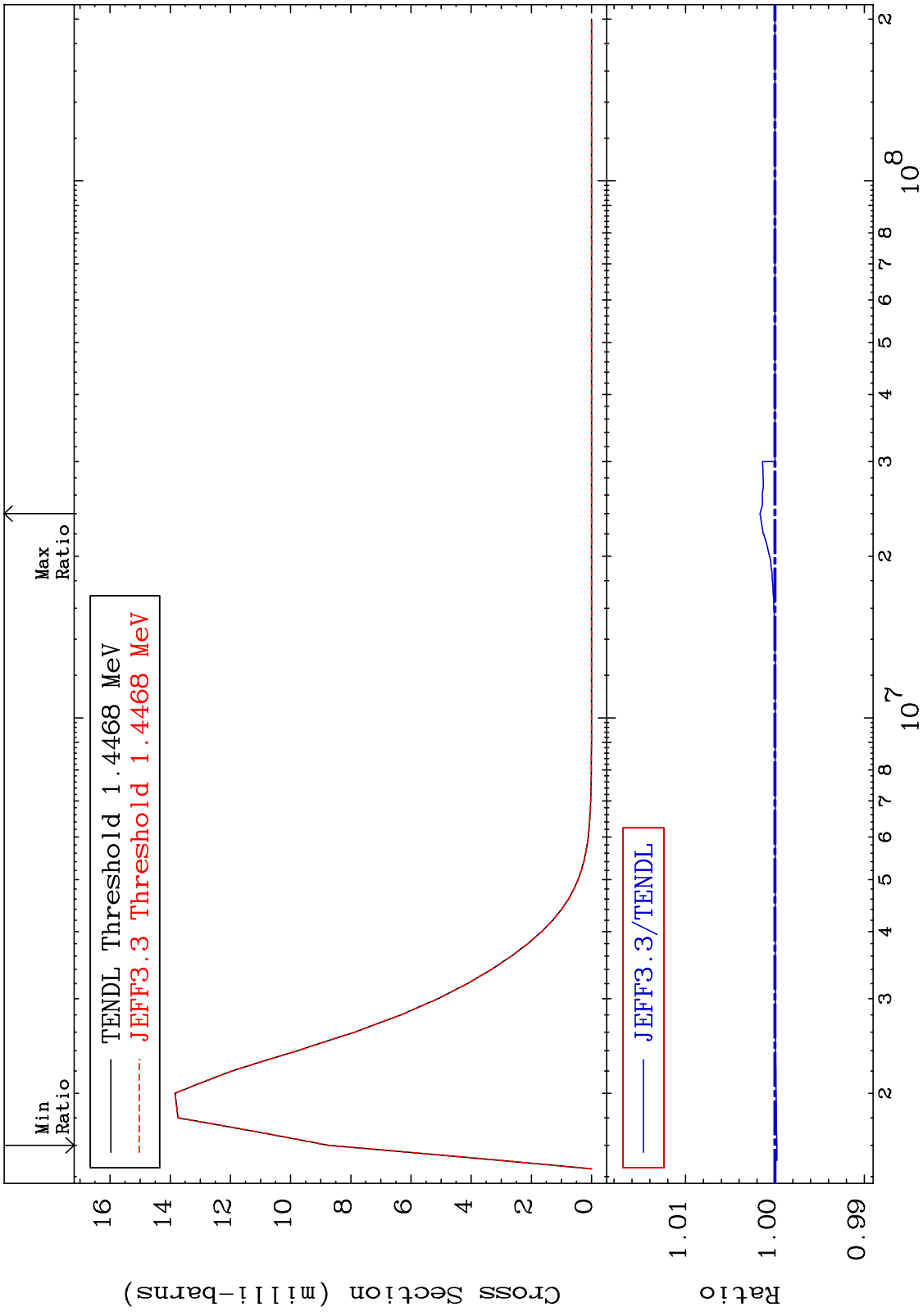
MAT 8034 MT= 78 (n,n') Level Cross Section 80-Hg-199
 -0.340 To 0.167 %



MAT 8034 MT= 79 (n,n') Level Cross Section 80-Hg-199
 -0.019 To 0.000 %



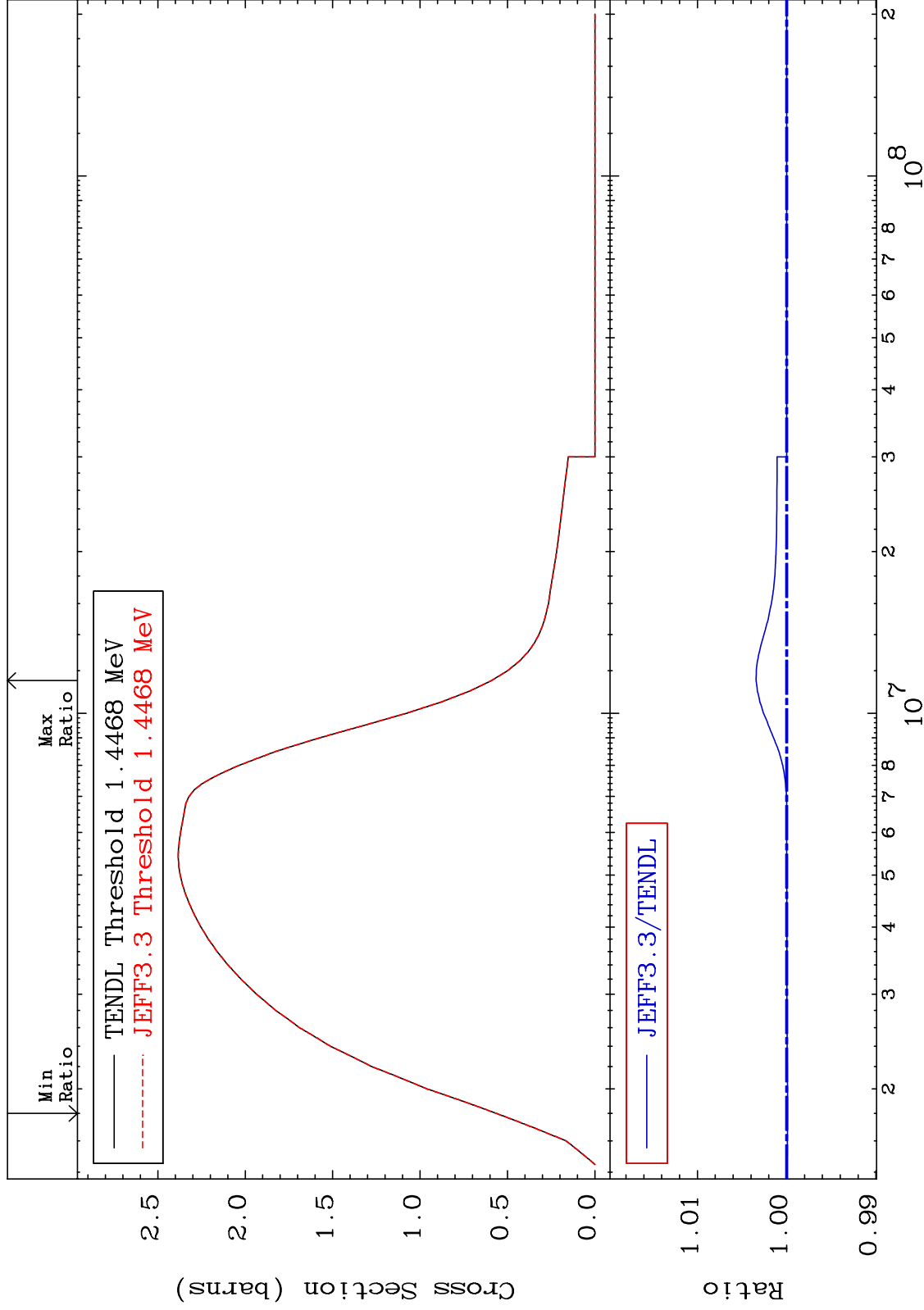
MAT 8034 MT= 80 (n, n') Level Cross Section -0.022 To 0.167 % 80-Hg-199



MAT 8034

(n, n') Continuum
Cross Section

80-Hg-199
-0.011 To 0.342 %



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Incident Energy (eV)

80-Hg-199

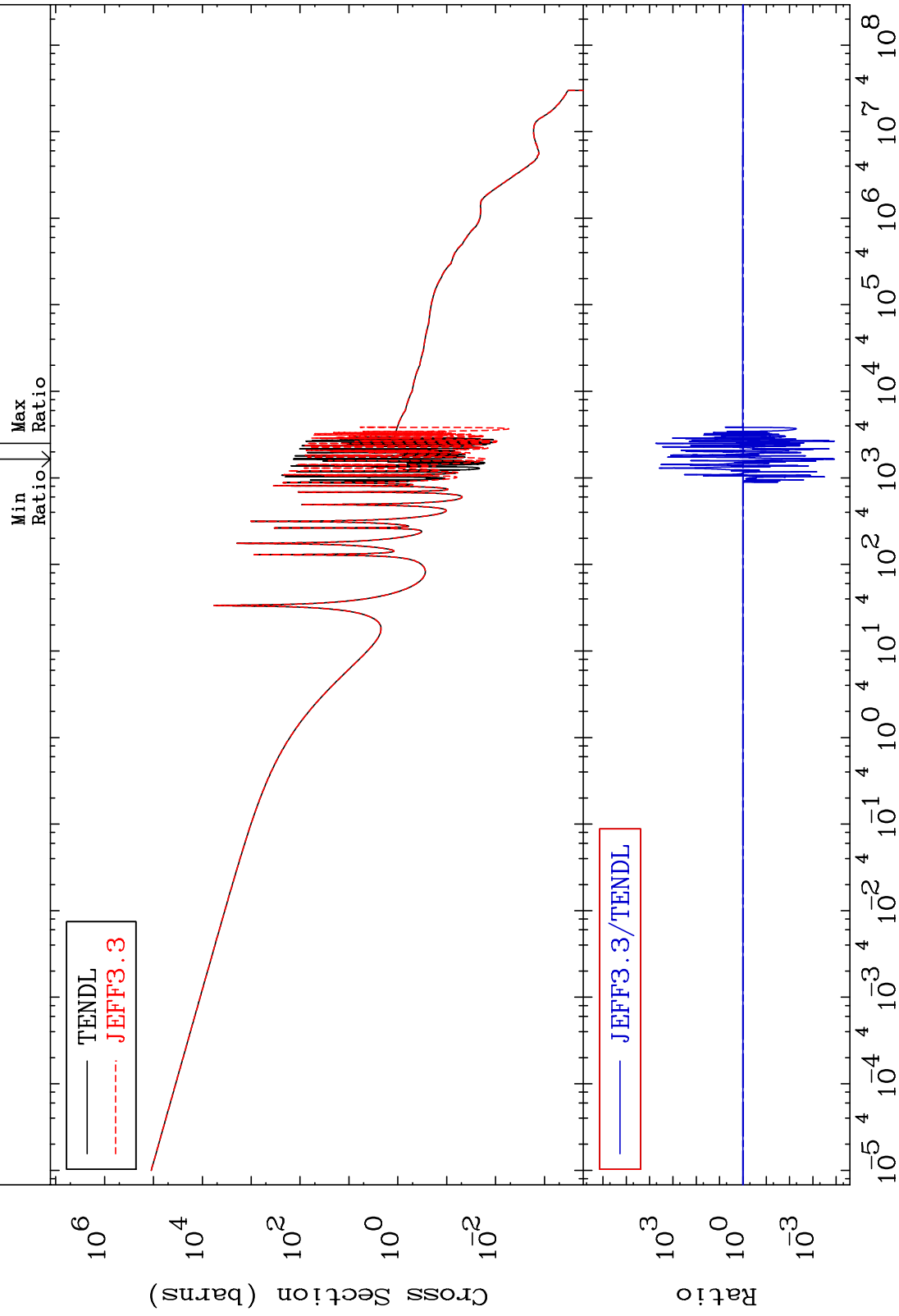
MAT 8034

(n, γ)

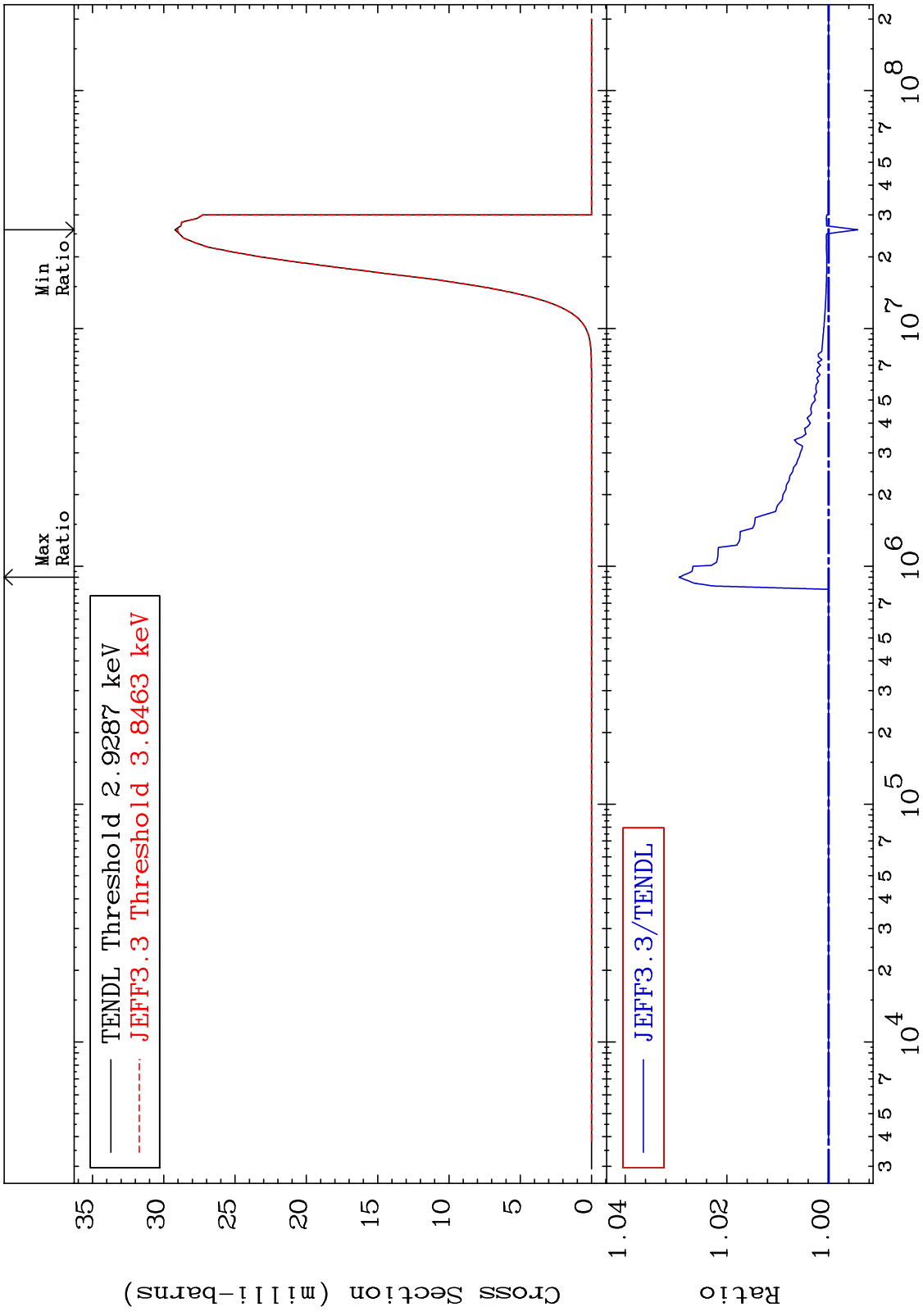
80-Hg-199

-99.99 To 9999. %

Cross Section

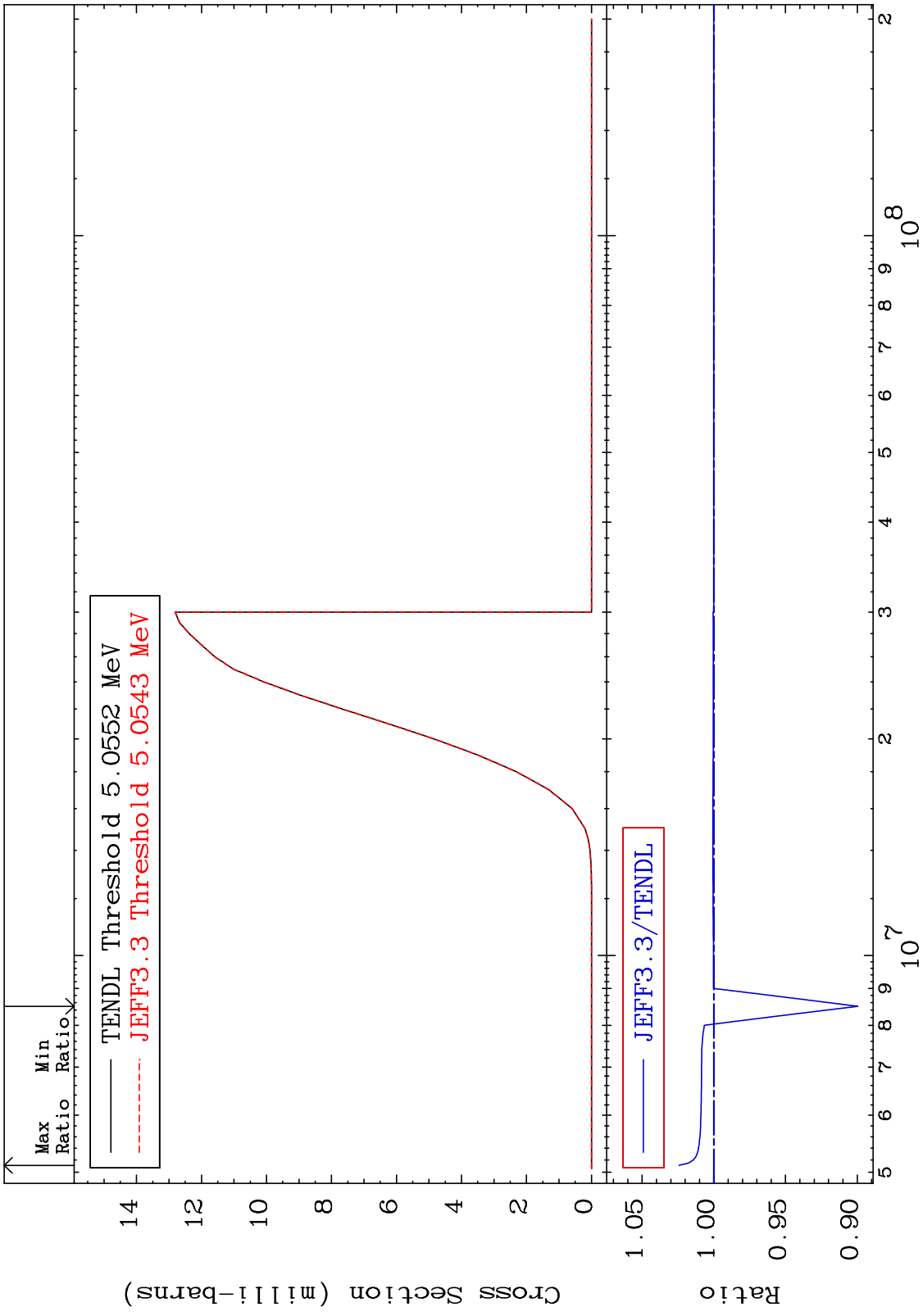


MAT 8034 (n,p) Cross Section 80-Hg-199 -0.576 To 2.940 %

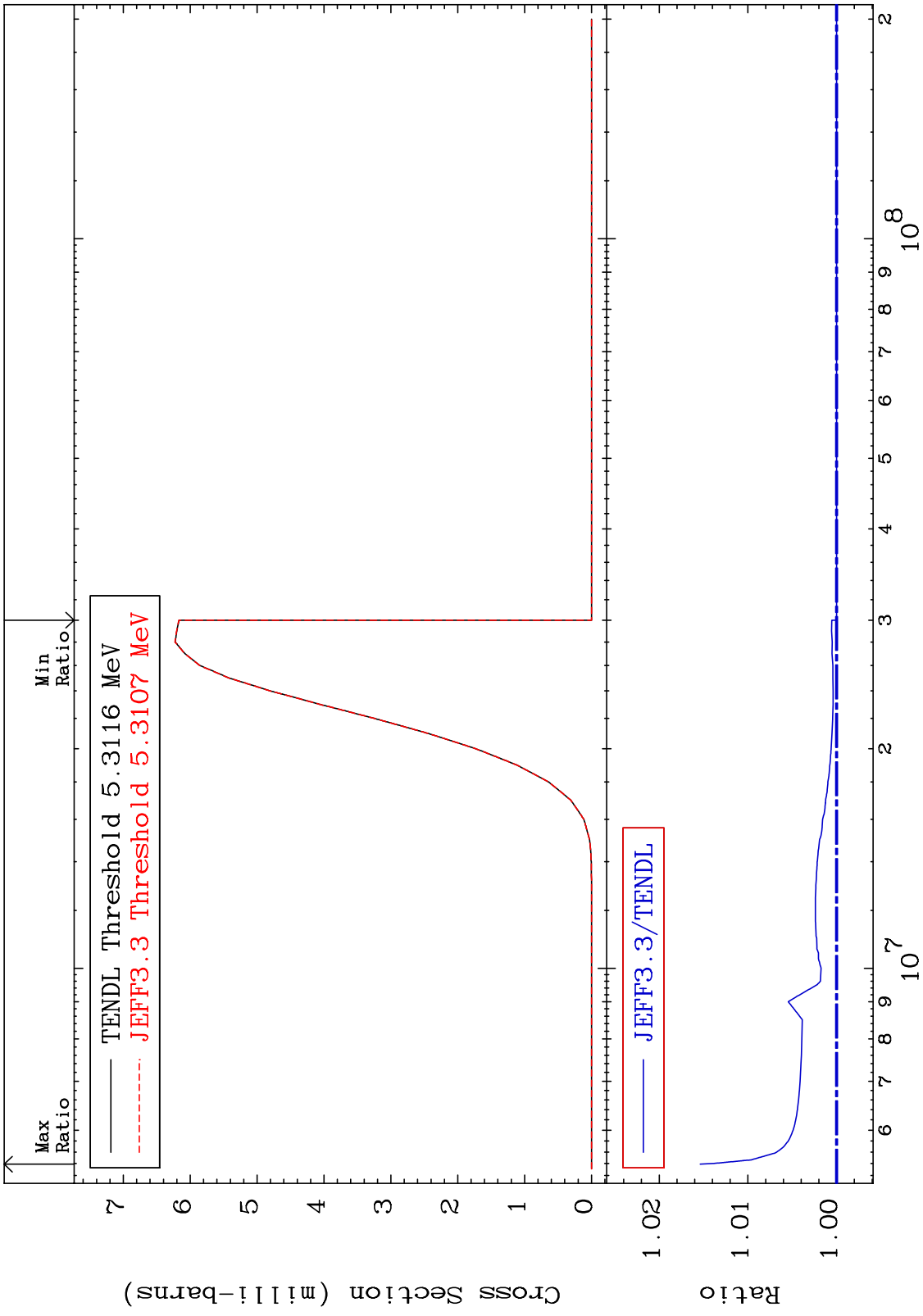


50 80-Hg-199

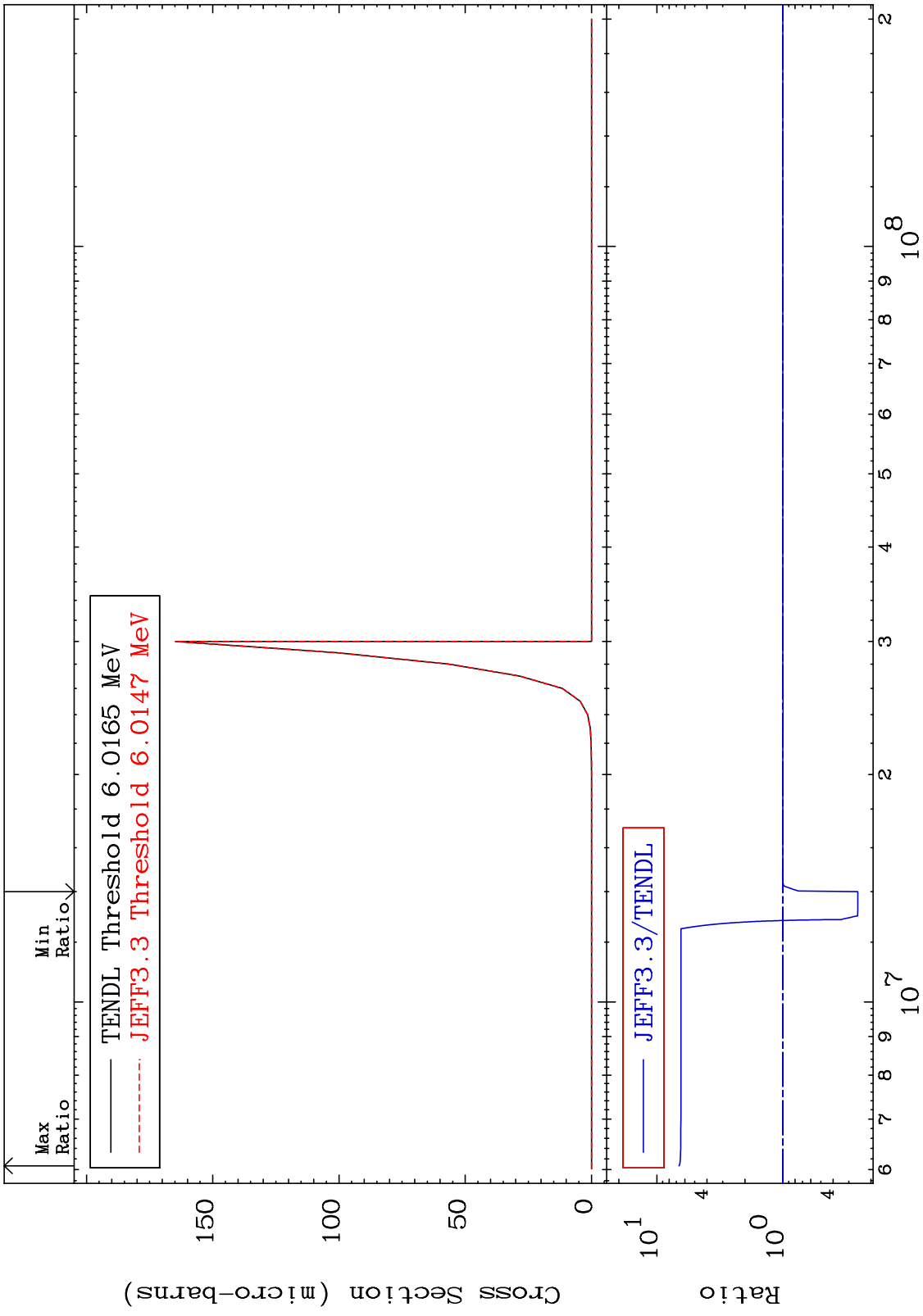
MAT 8034 (n,d) Cross Section 80-Hg-199 -10.04 To 2.426 %



MAT 8034 (n,t) Cross Section 80-Hg-199 To 1.538 %

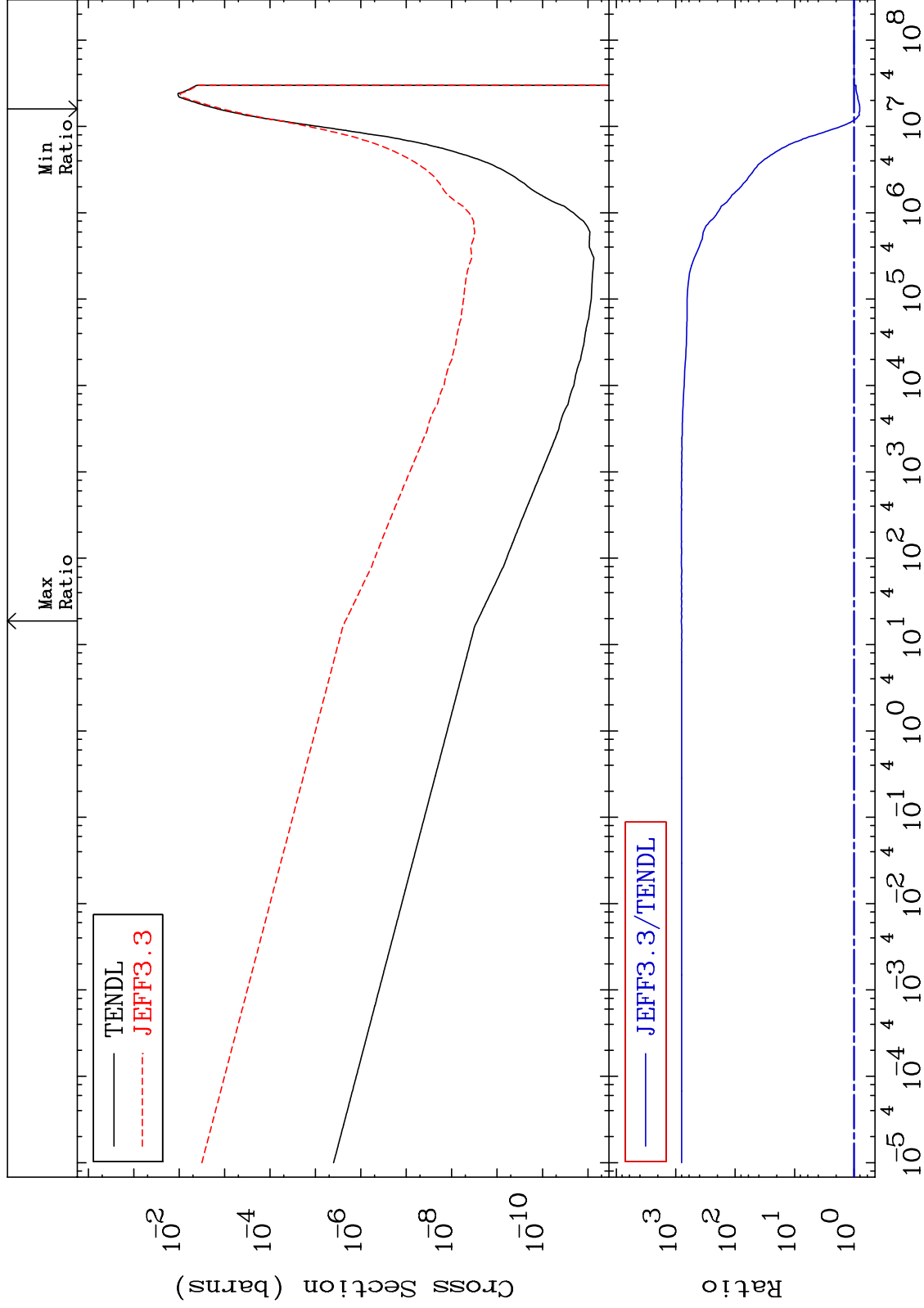


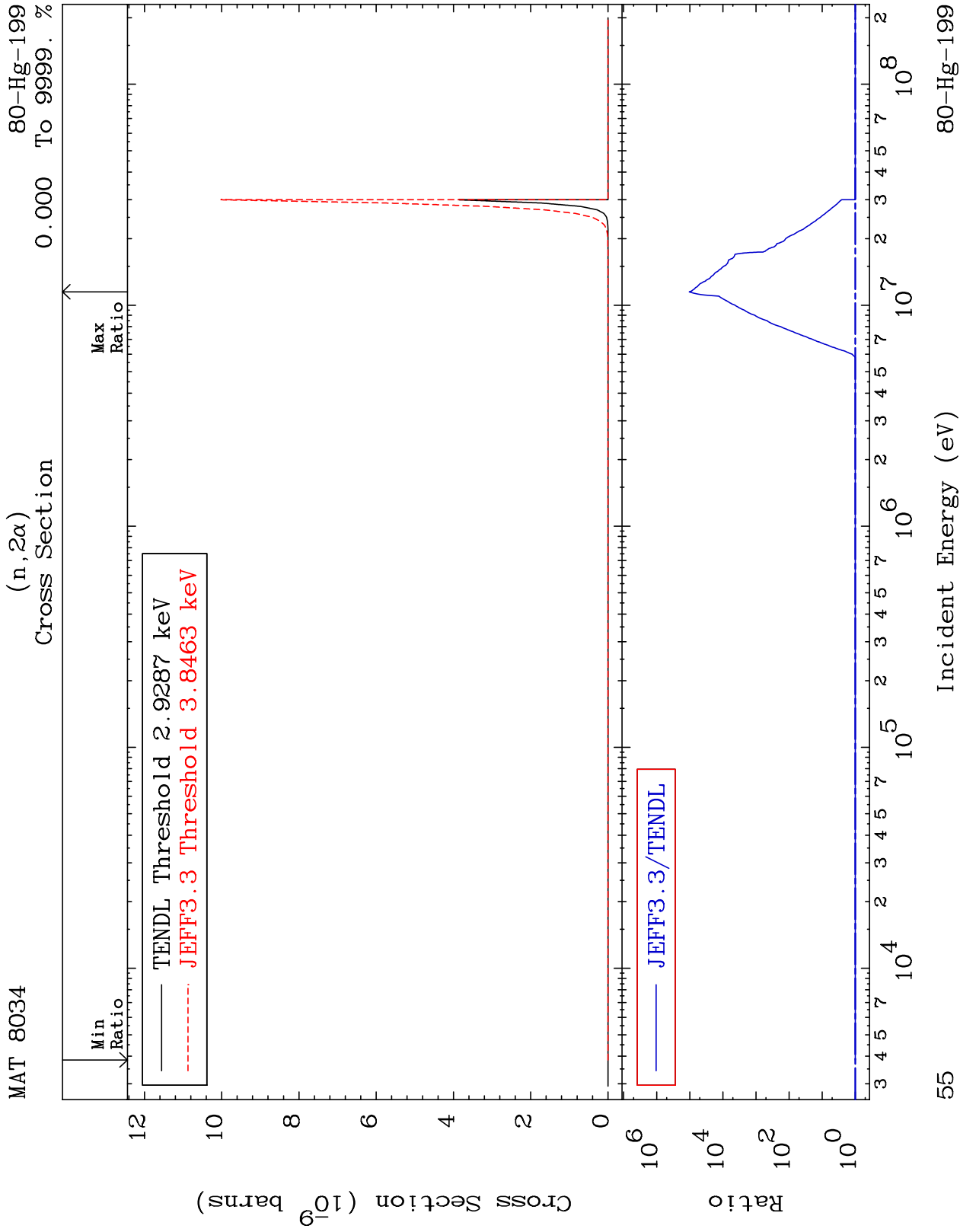
MAT 8034 (n, He-3) 80-Hg-199
 Cross Section -74.57 To 566.7 %



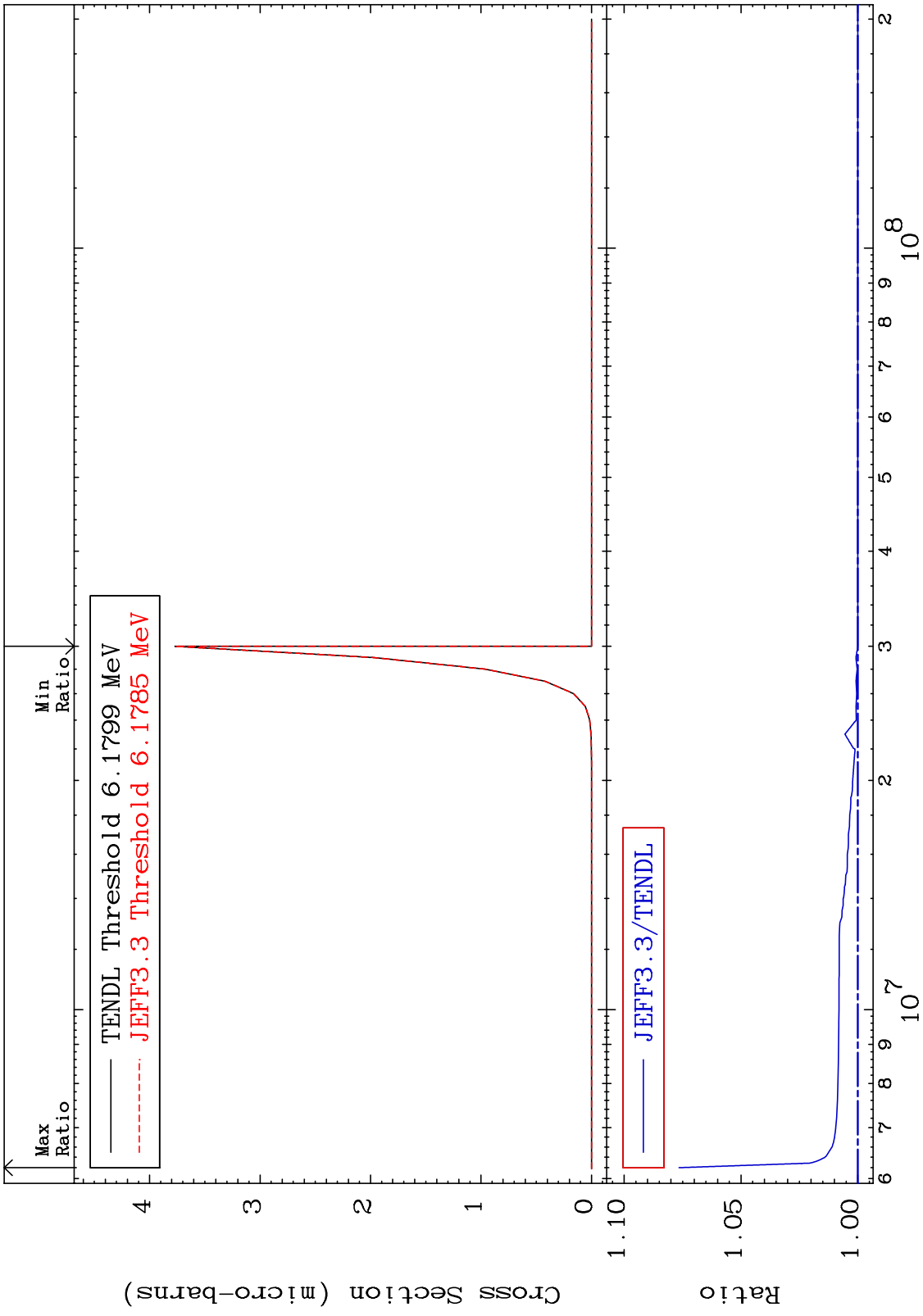
MAT 8034

(n, α) Cross Section
80-Hg-199
-19.80 To 9999. %

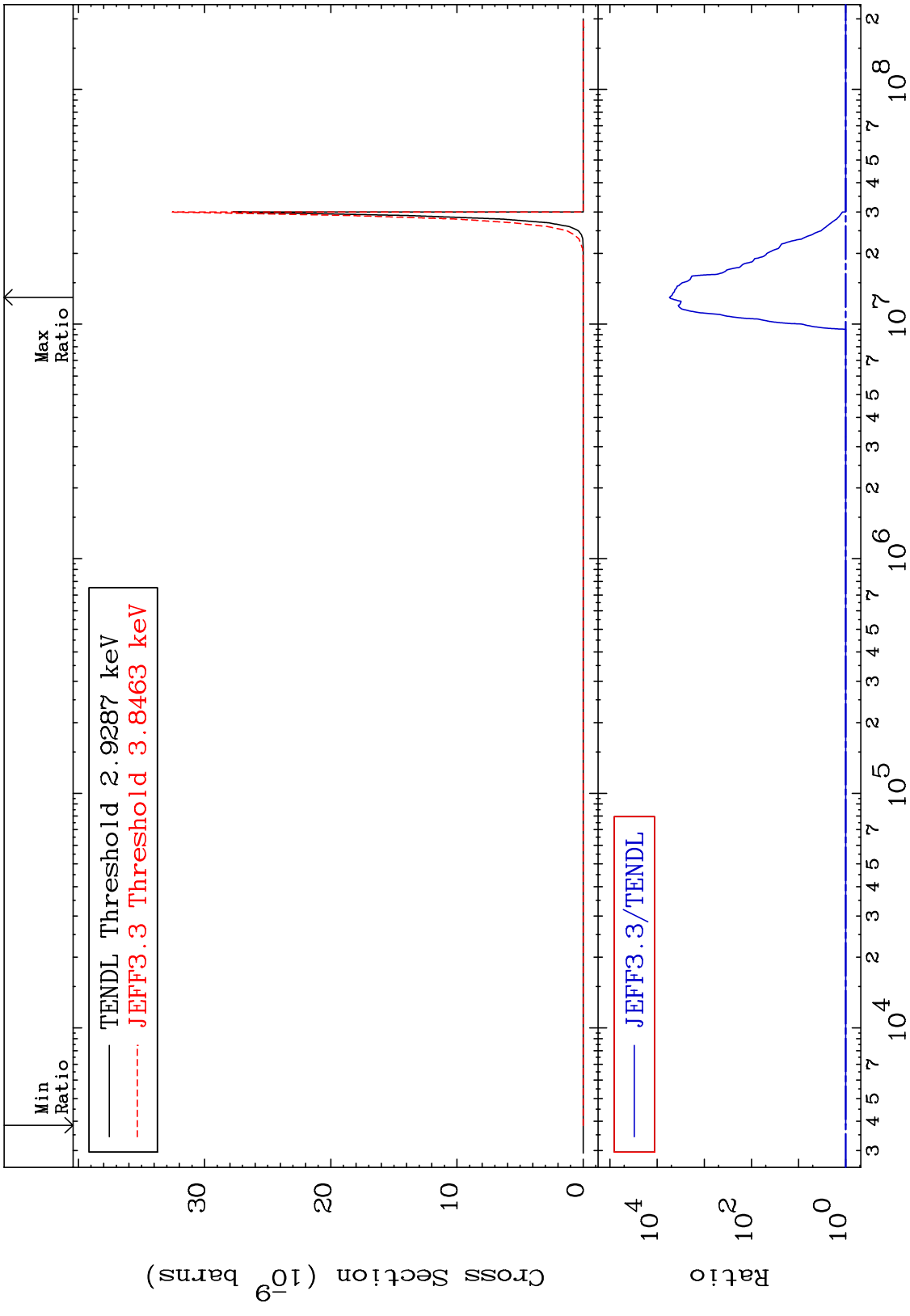




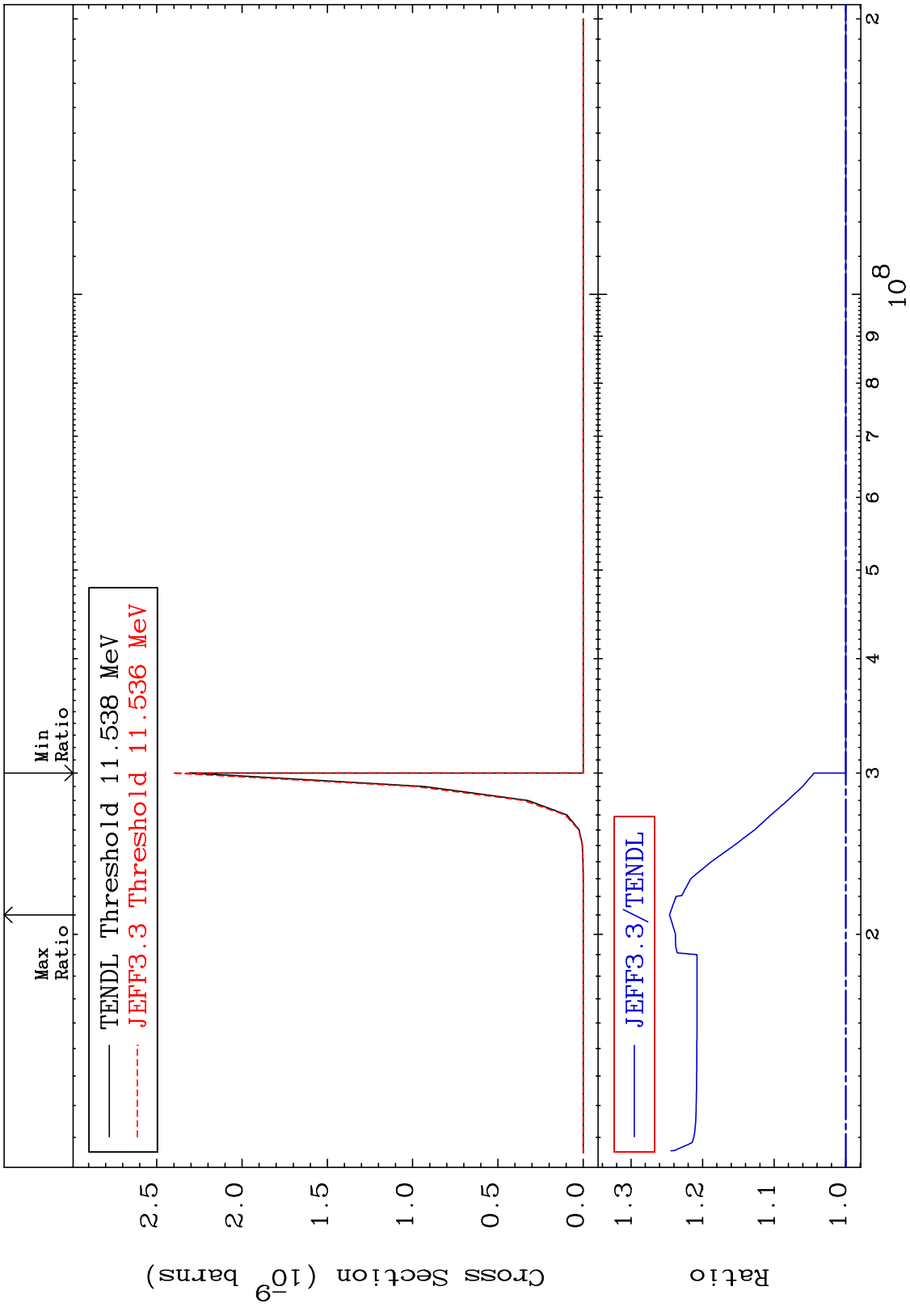
MAT 8034 (n,2p) Cross Section 80-Hg-199 -0.002 To 7.652 %



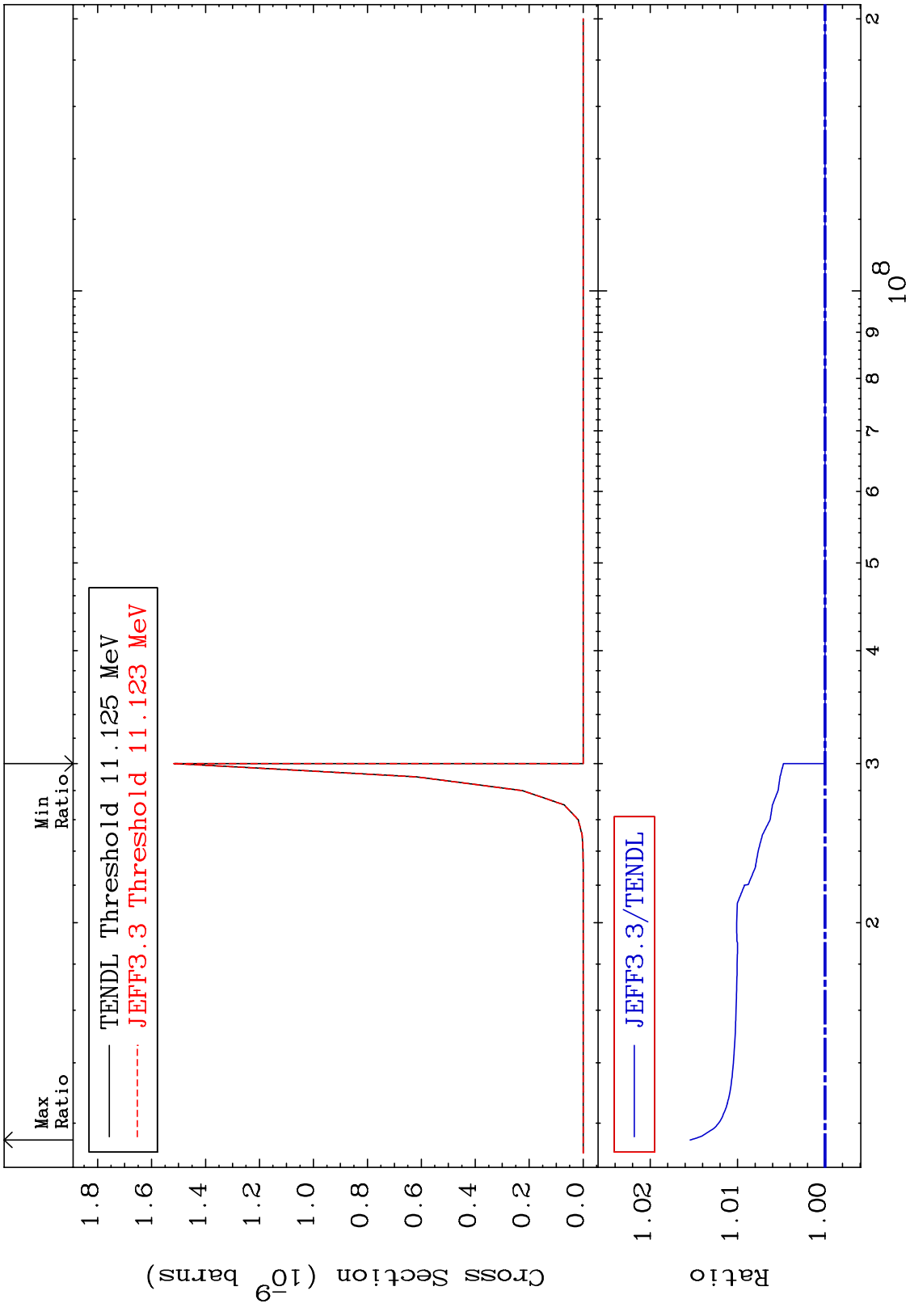
MAT 8034 (n,p) α 80-Hg-199
Cross Section To 9999. %



MAT 8034 (n,p) d 80-Hg-199
 Cross Section 0.000 To 24.62 %



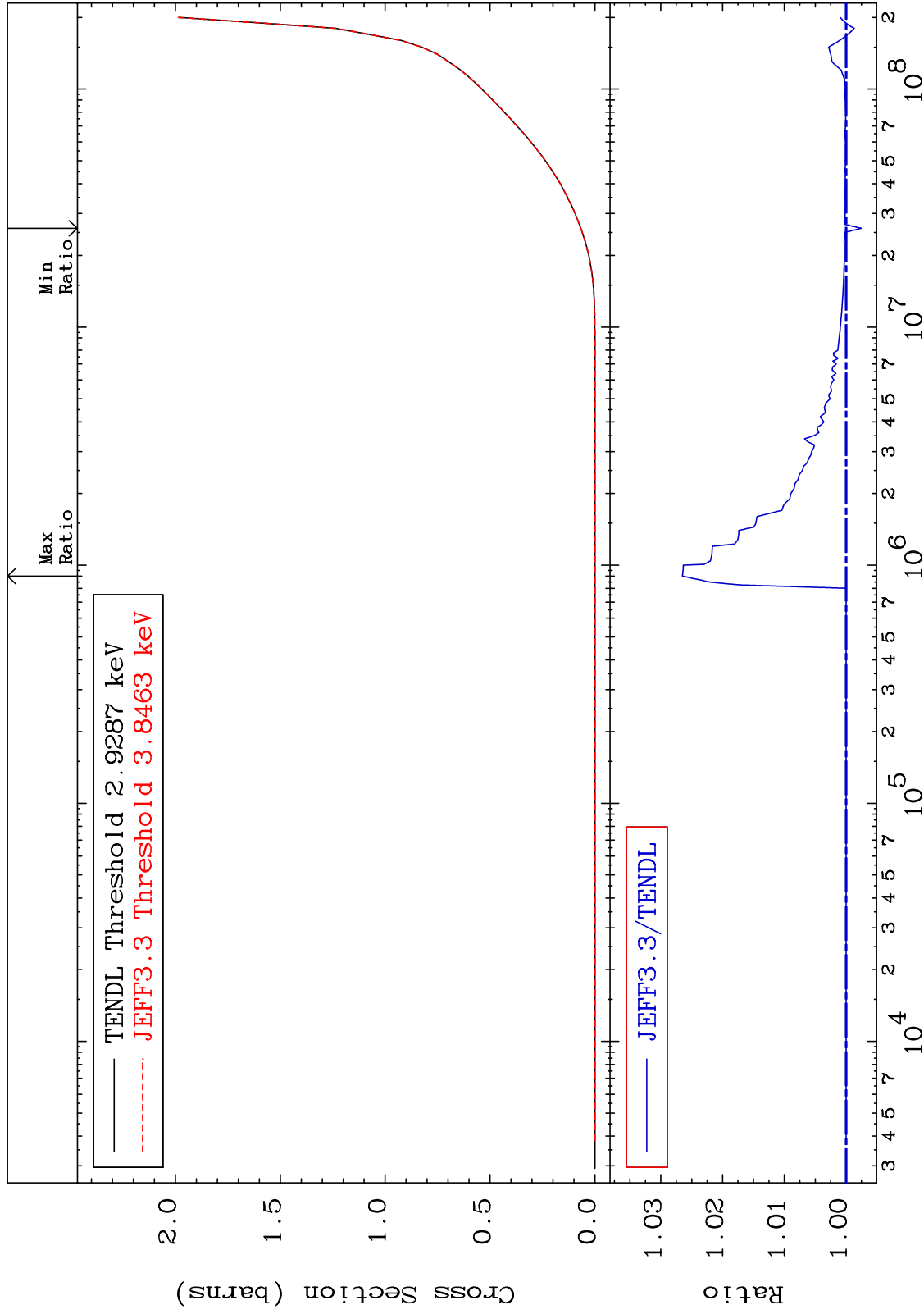
MAT 8034 (n,p) t 80-Hg-199
 Cross Section 0.000 To 1.542 %



MAT 8034

Hydrogen Production
Cross Section

80-Hg-199
-0.246 To 2.650 %



60

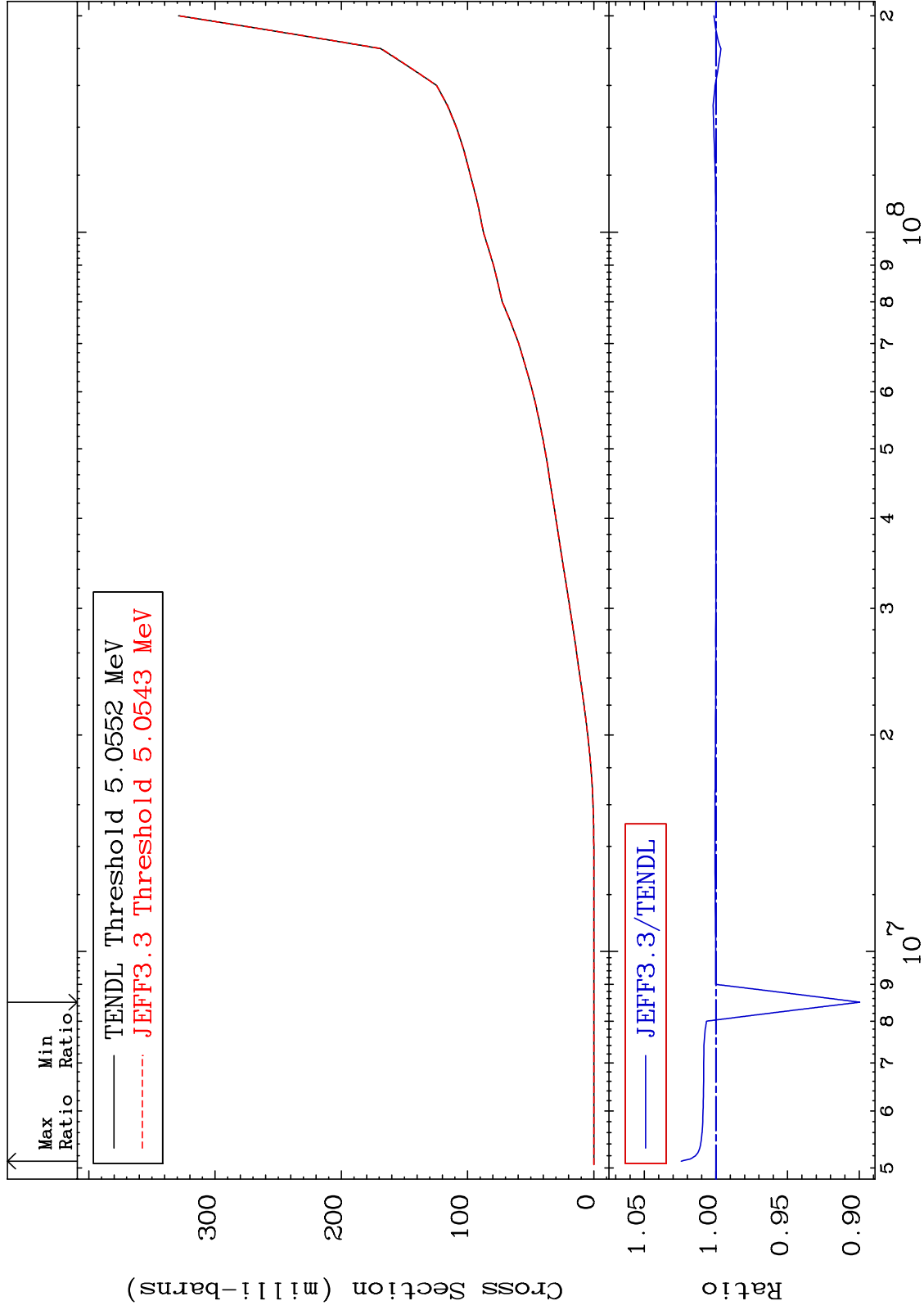
Incident Energy (eV)

80-Hg-199

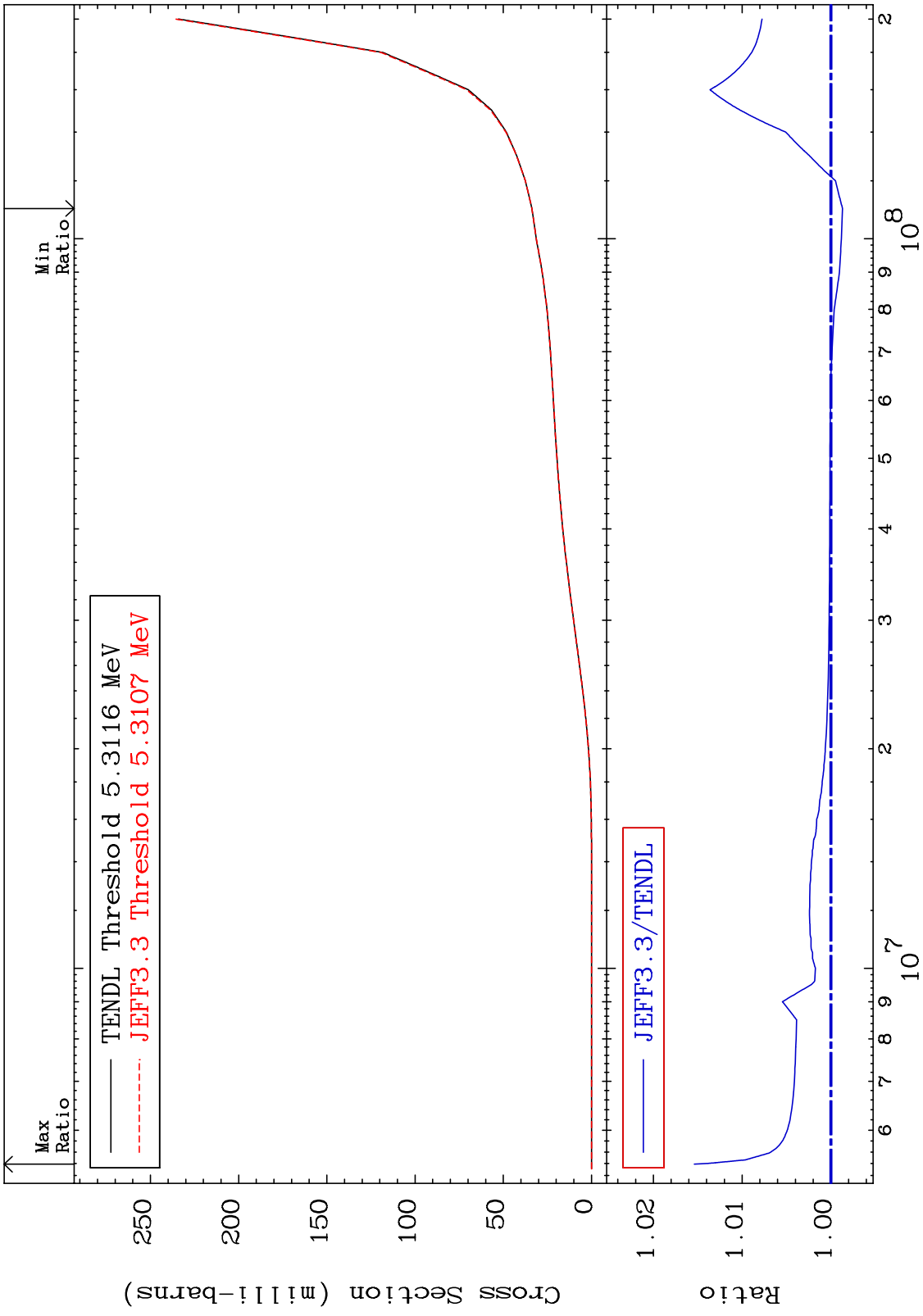
MAT 8034

Deuterium Production
Cross Section

80-Hg-199
-10.04 To 2.426 %



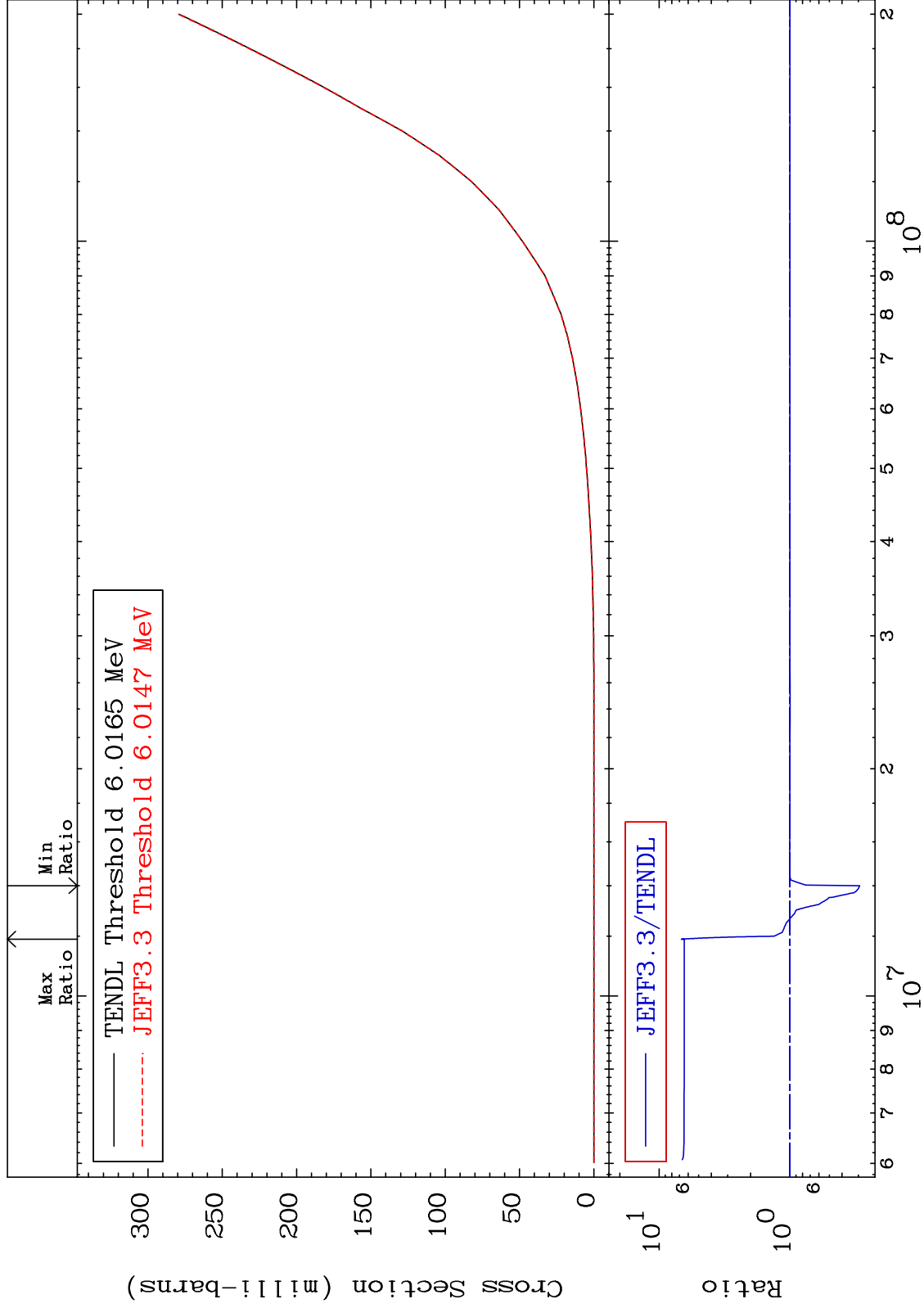
MAT 8034 Tritium Production Cross Section 80-Hg-199 -0.131 To 1.538 %



MAT 8034

He-3 Production
Cross Section

80-Hg-199
-70.76 To 578.2 %



63

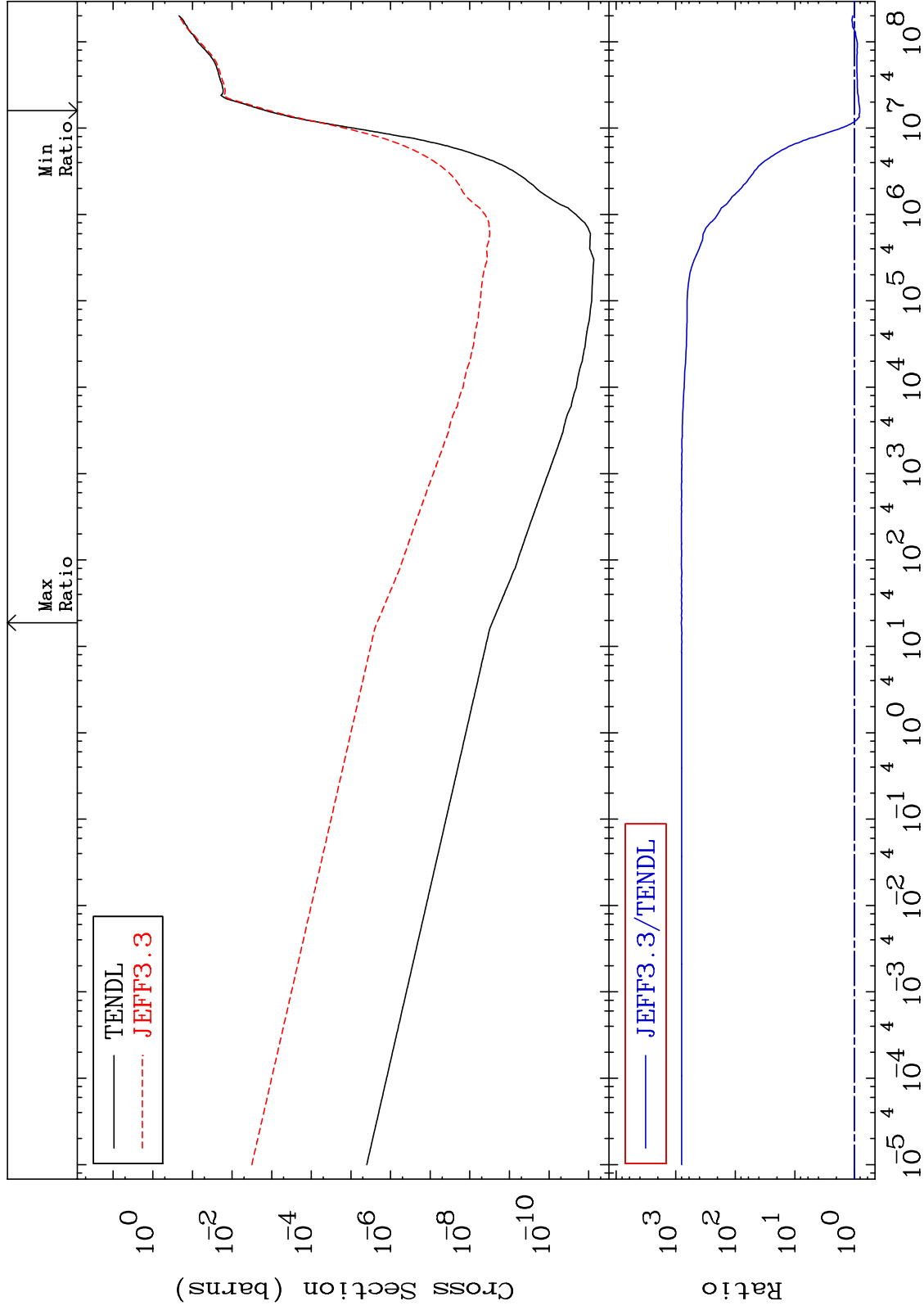
Incident Energy (eV)

80-Hg-199

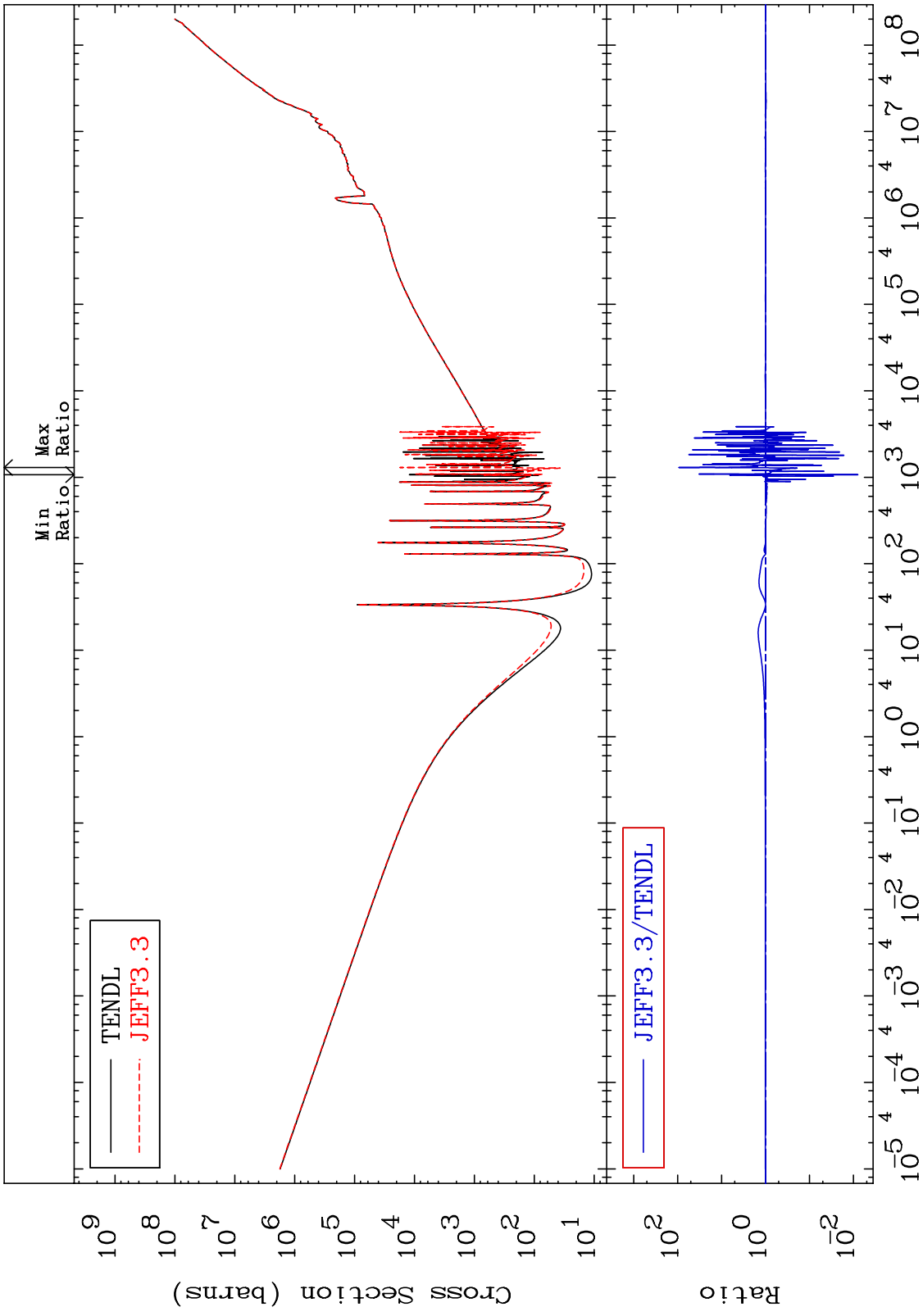
MAT 8034

He-4 Production
Cross Section

80-Hg-199
-18.92 To 9999. %



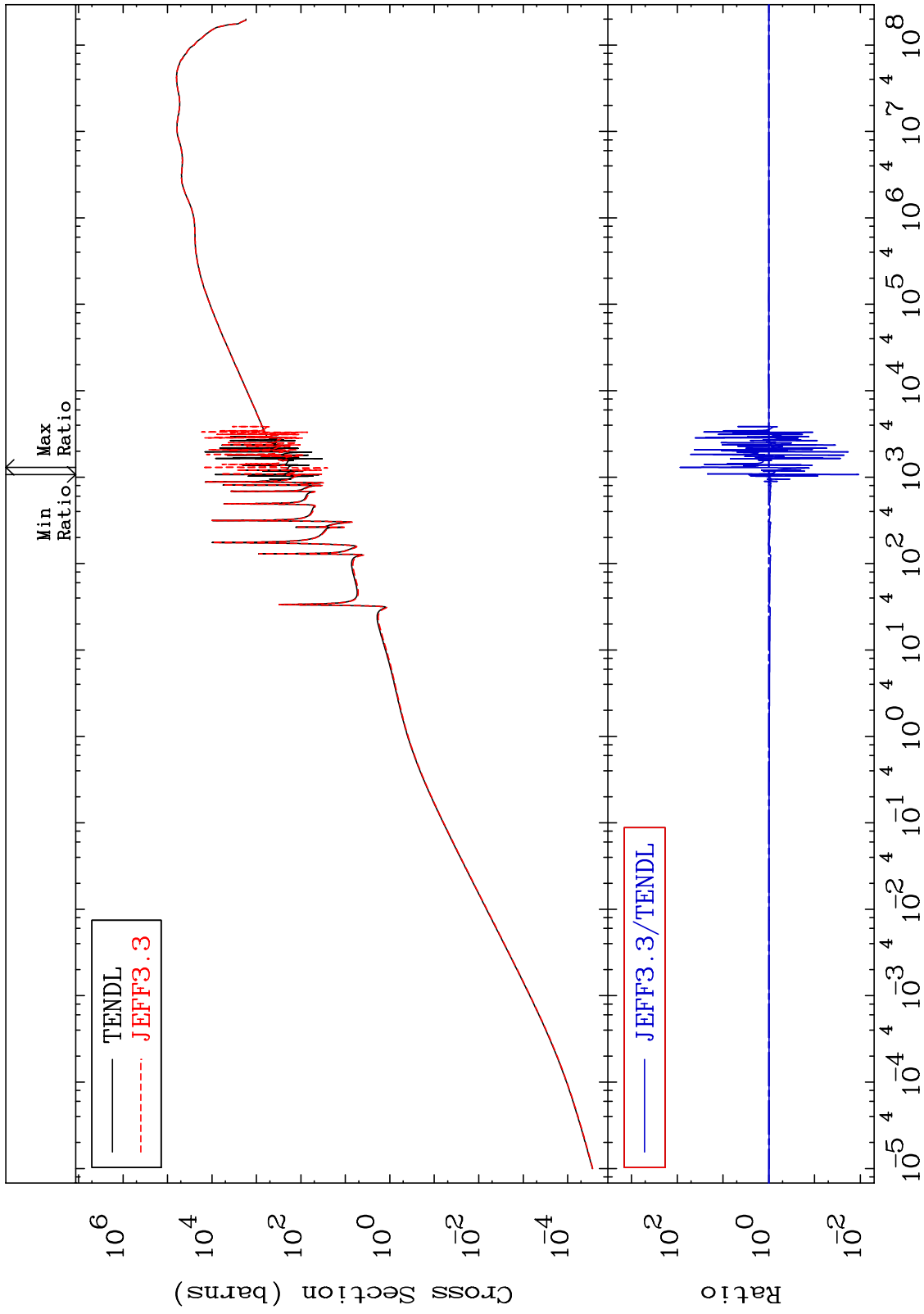
MAT 8034 Kerma total (eV-barns) 80-Hg-199
 Cross Section -99.21 To 9163. %



MAT 8034

Kerma elastic
Cross Section

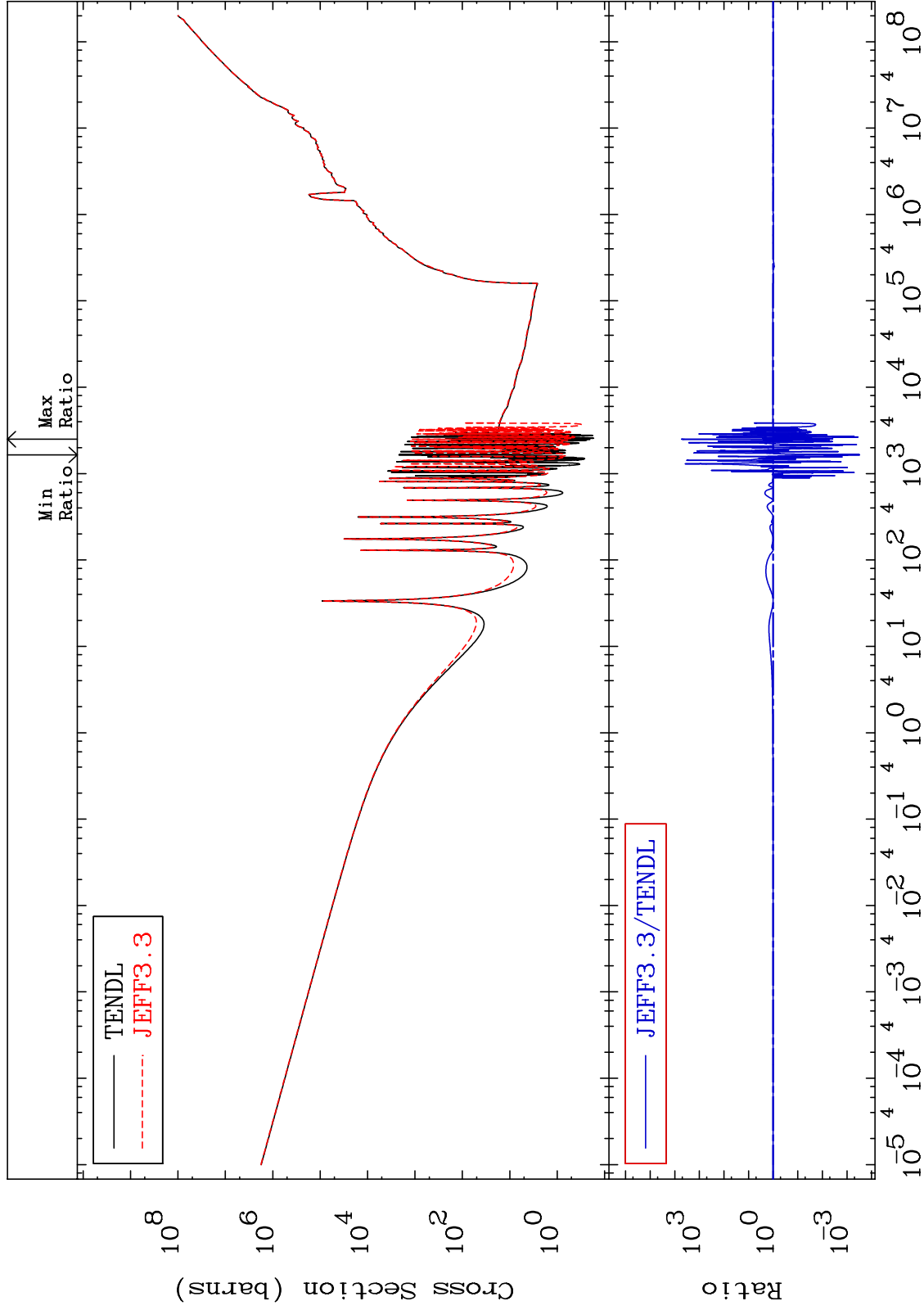
80-Hg-199
-98.92 To 8505. %



MAT 8034

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

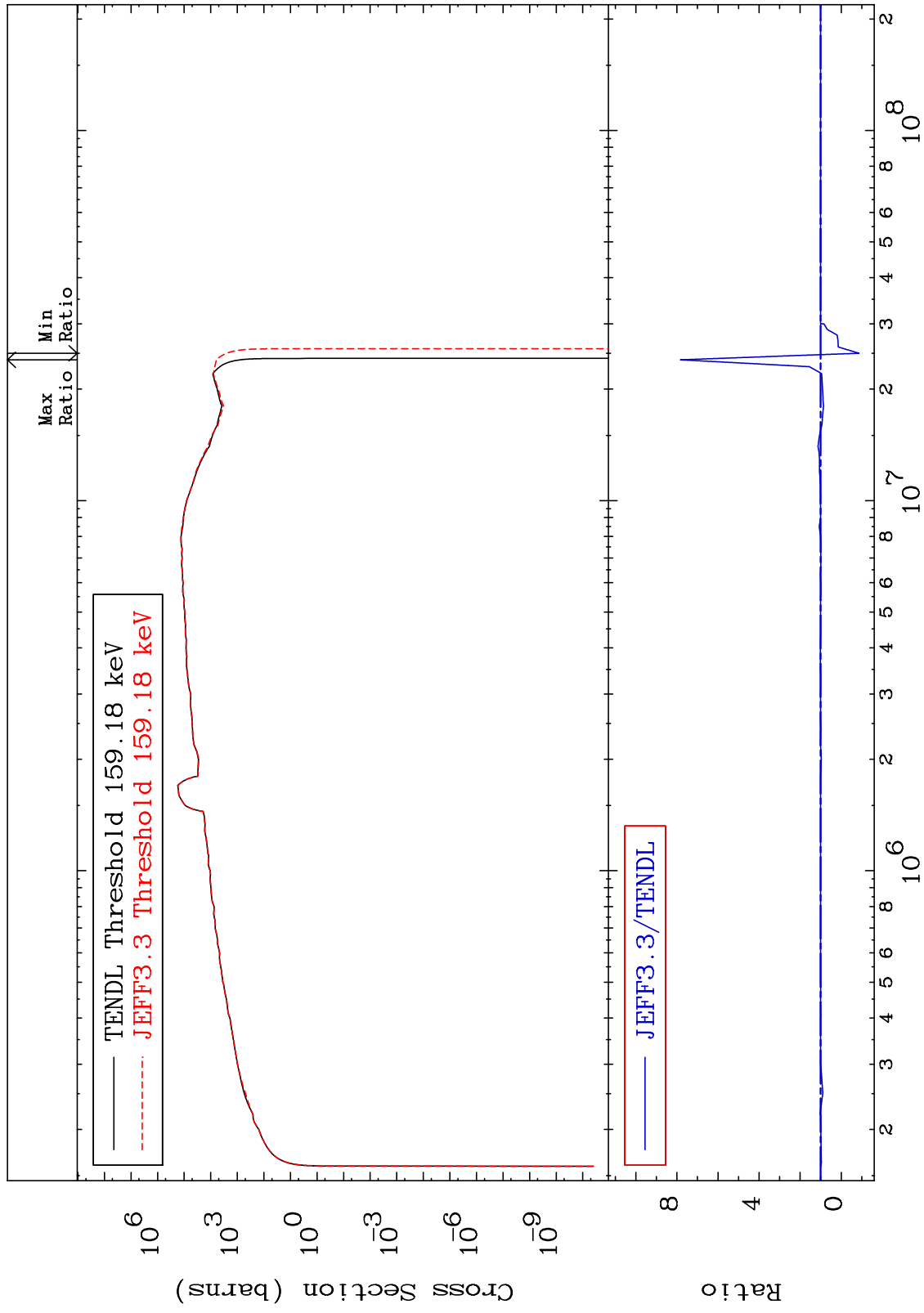
80-Hg-199
-99.97 To 9999. %



MAT 8034

Kerma inelastic (mt51-91)
Cross Section

80-Hg-199
-186.8 To 682.0 %



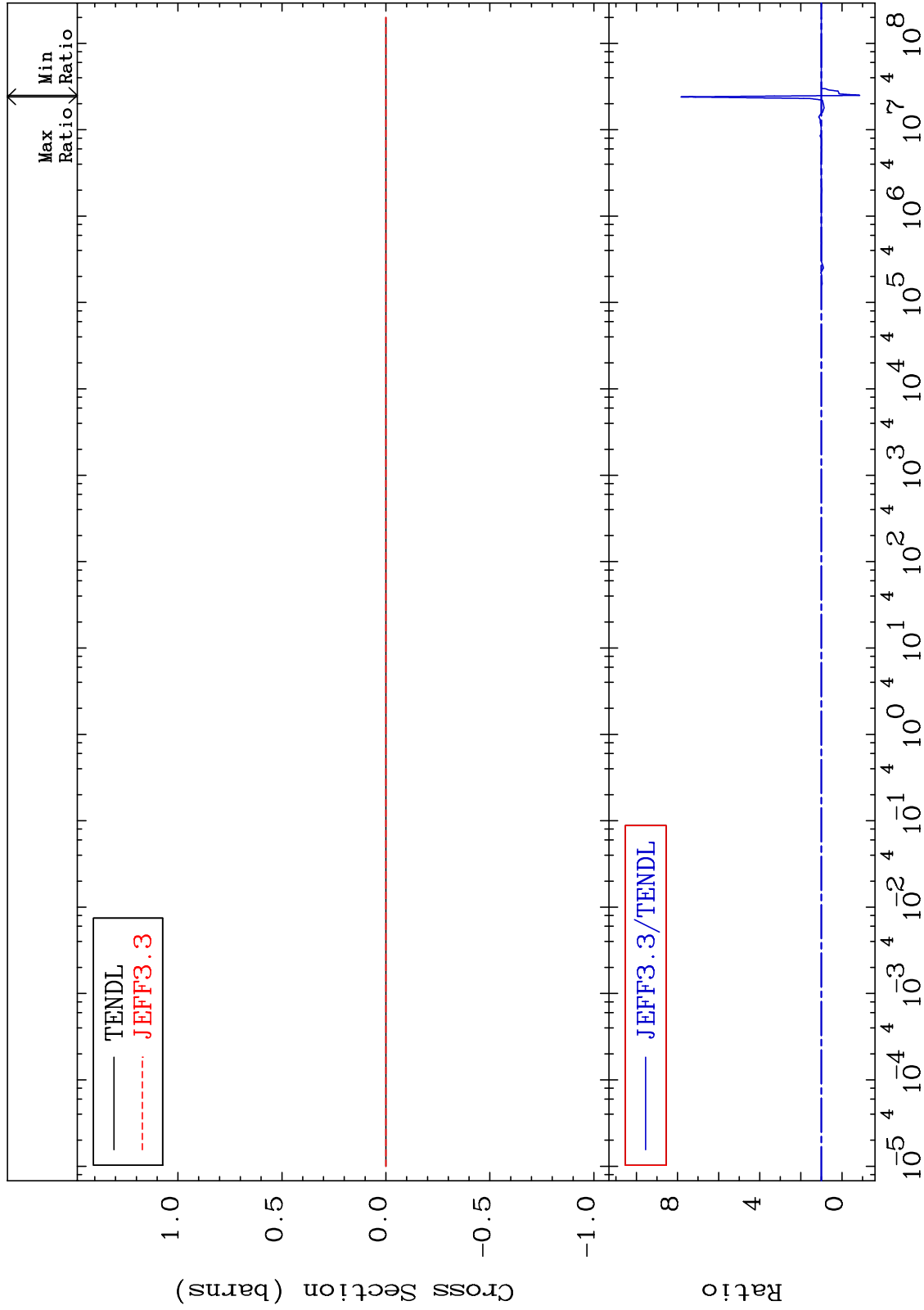
68

80-Hg-199

MAT 8034

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

80-Hg-199
-186.8 To 682.0 %



69

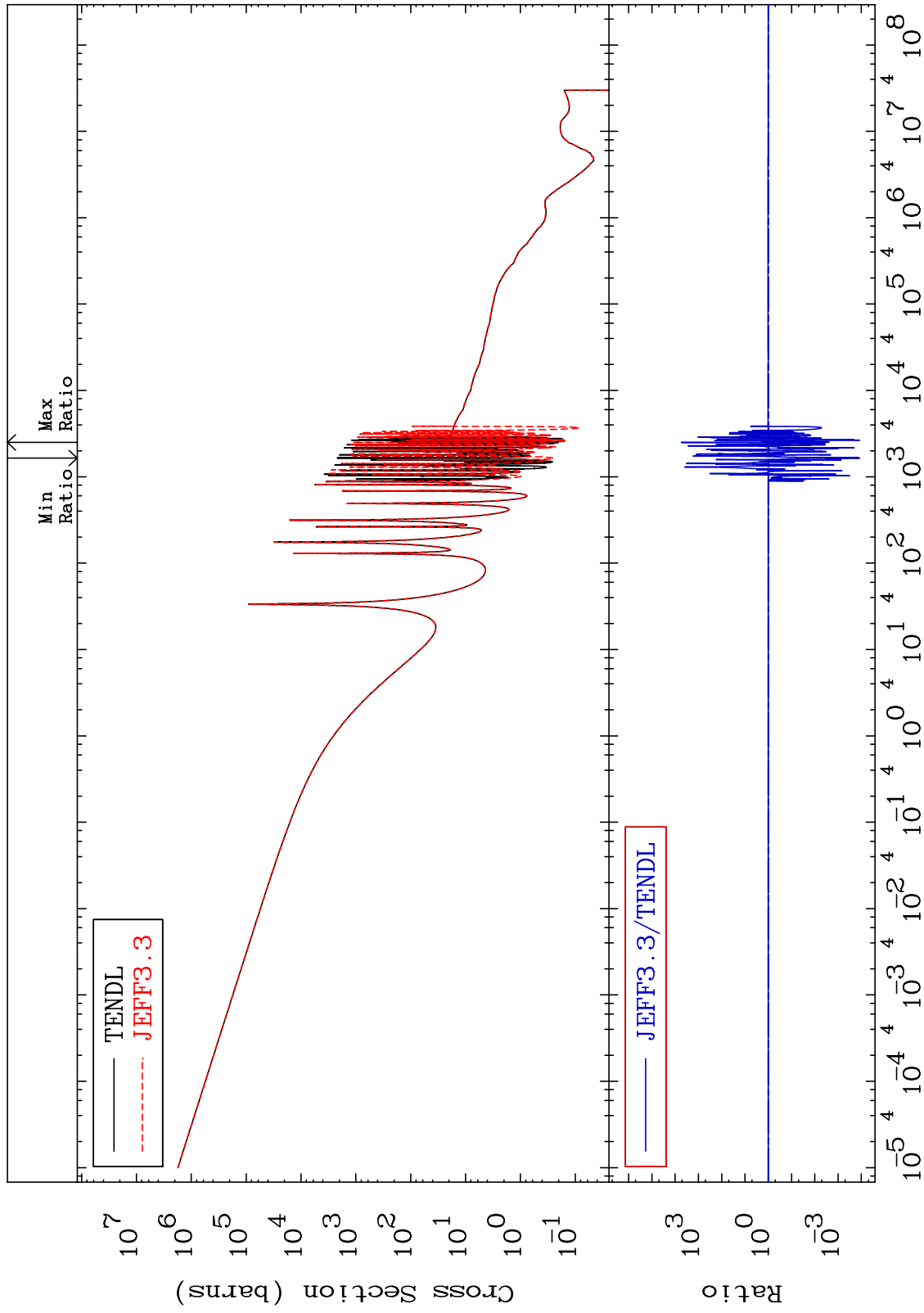
Incident Energy (eV)

80-Hg-199

MAT 8034

Kerma capture (mt102)
Cross Section

80-Hg-199
-99.99 To 9999. %



70

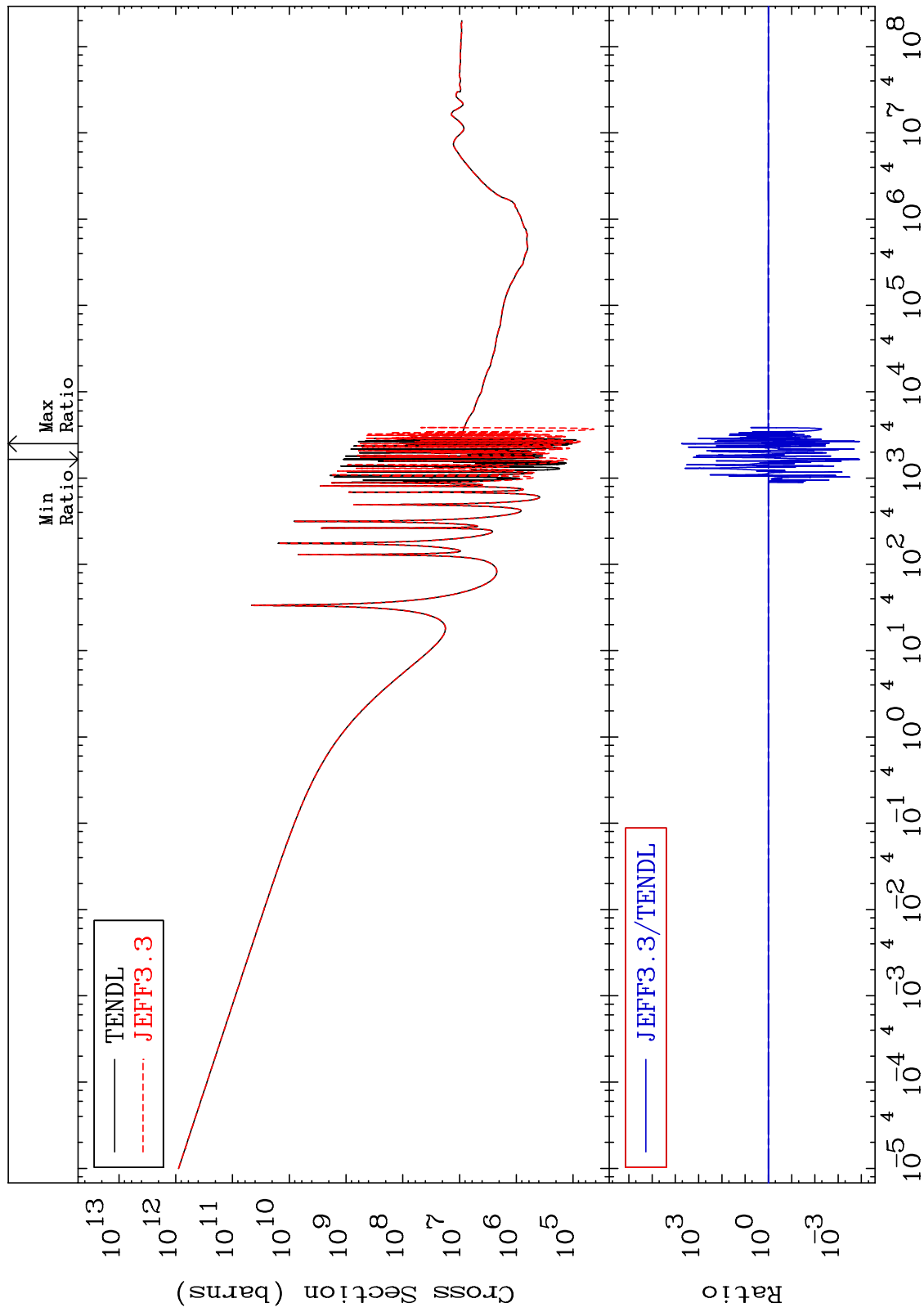
Incident Energy (eV)

80-Hg-199

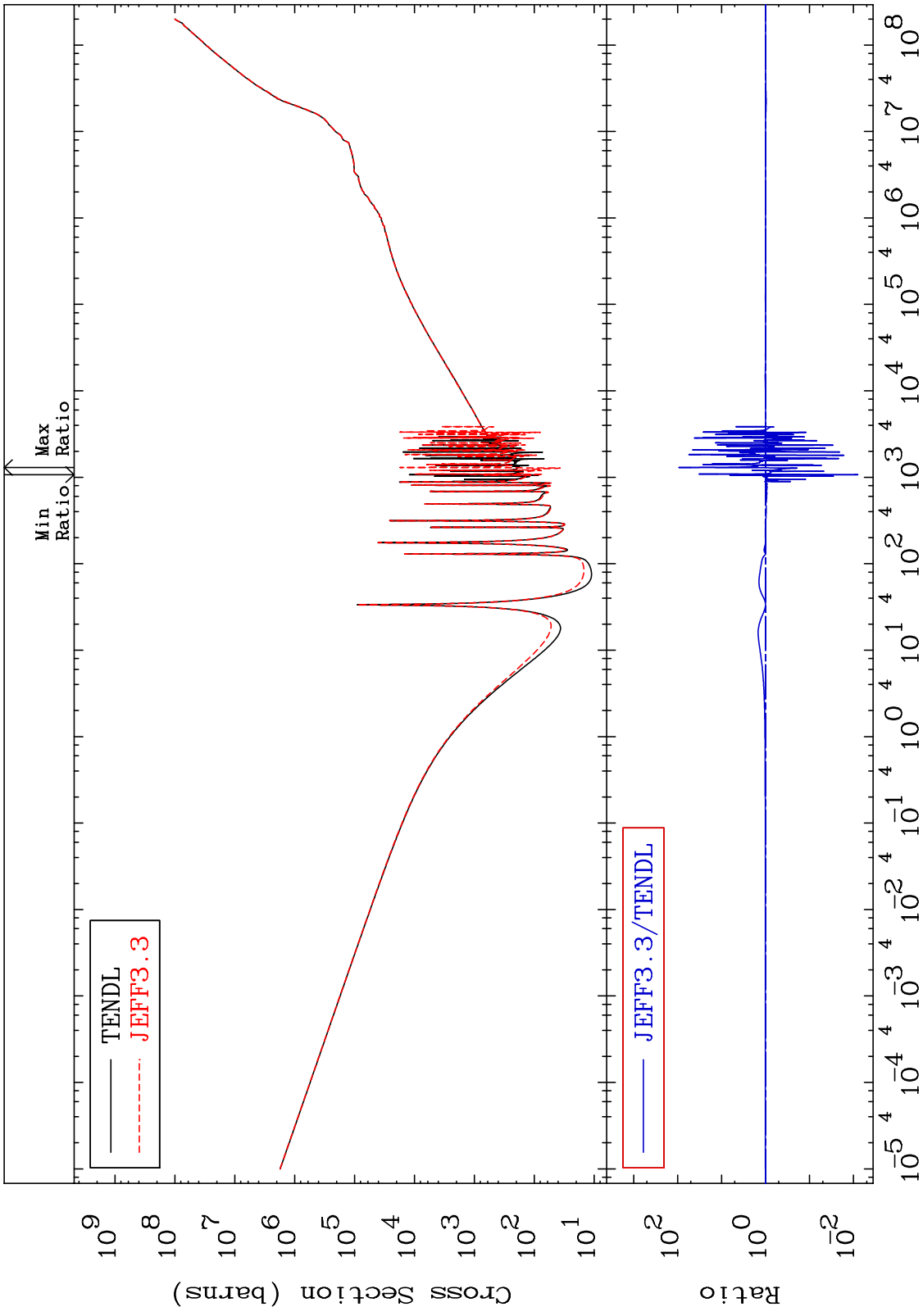
MAT 8034

Total photon (eV-barns)
Cross Section

80-Hg-199
-99.99 To 9999. %



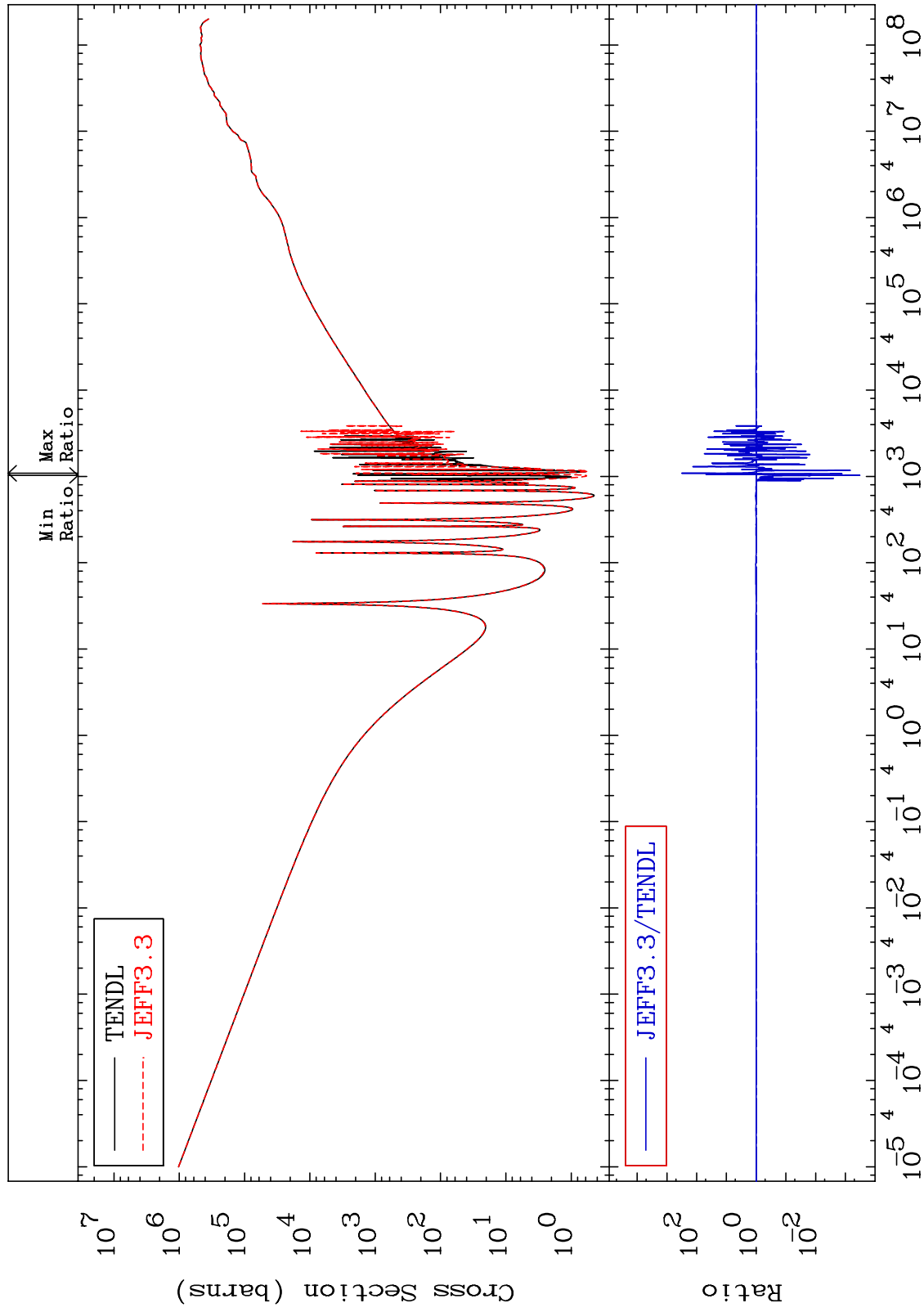
MAT 8034 Total kinematic kerma (high limit) 80-Hg-199
 Cross Section -99.21 To 9163. %



MAT 8034

Dpa total (eV-barns)
Cross Section

80-Hg-199
-99.97 To 9999. %



73

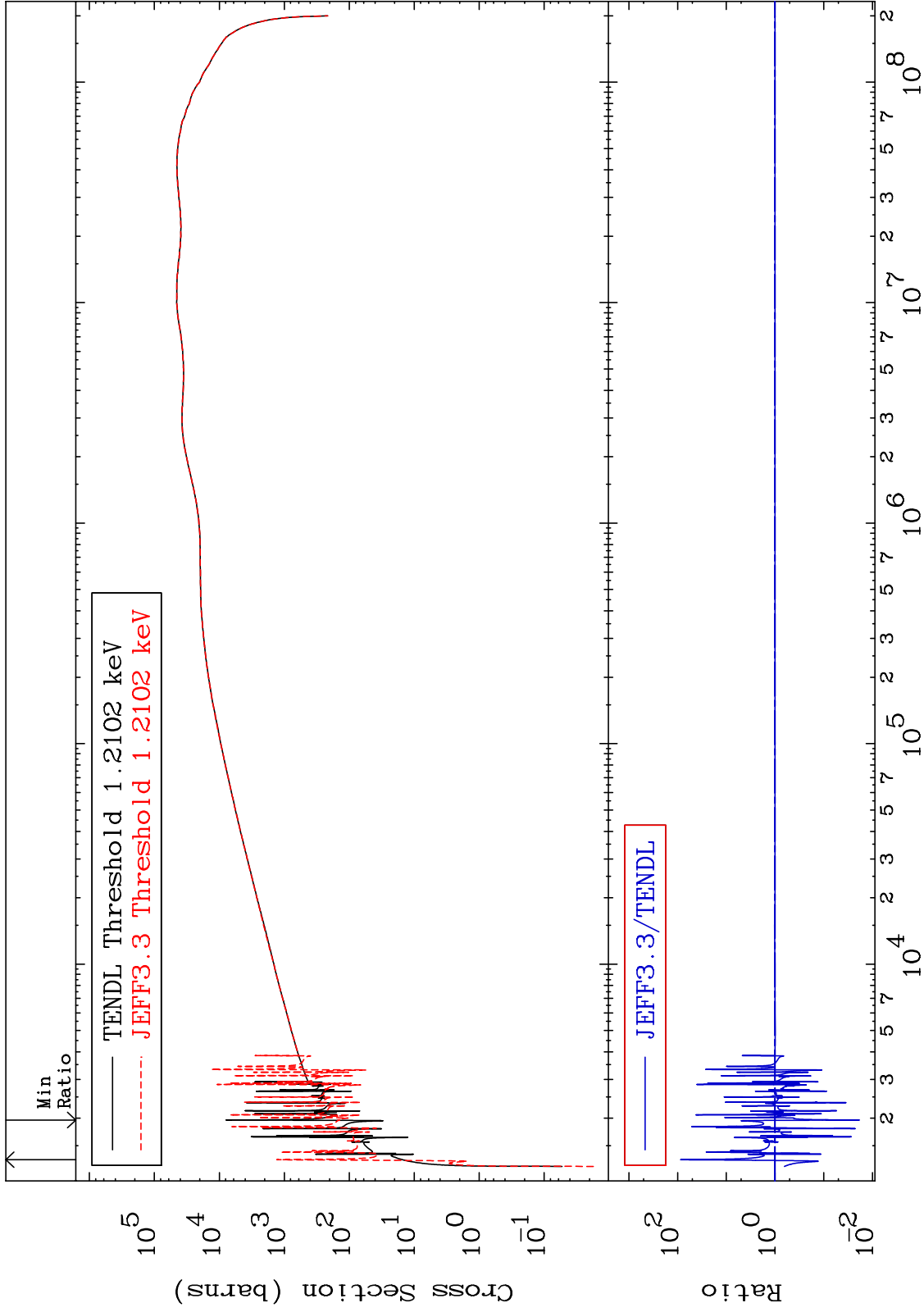
Incident Energy (eV)

80-Hg-199

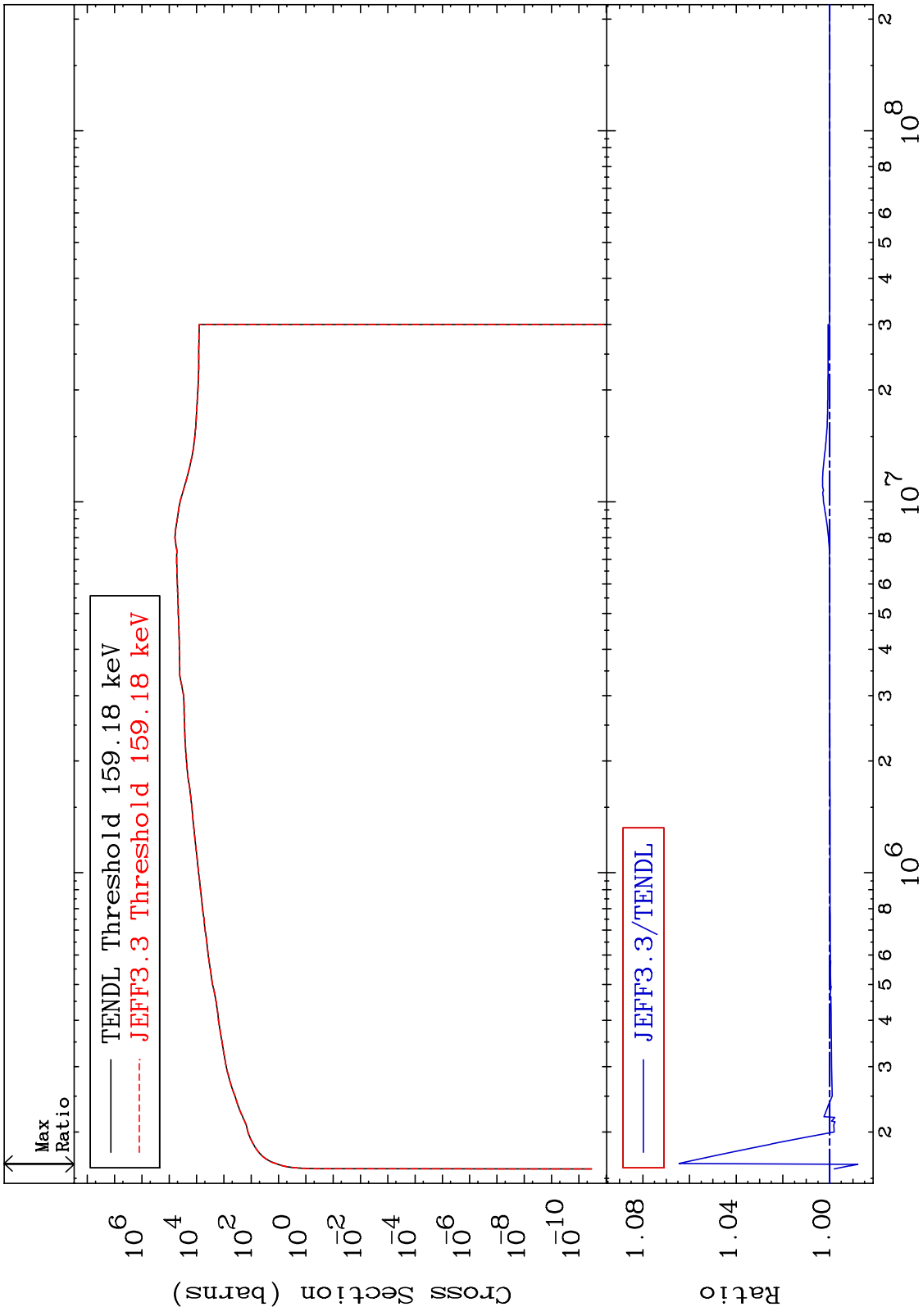
MAT 8034

Dpa elastic (mt2)
Cross Section

80-Hg-199
-98.17 To 8505. %



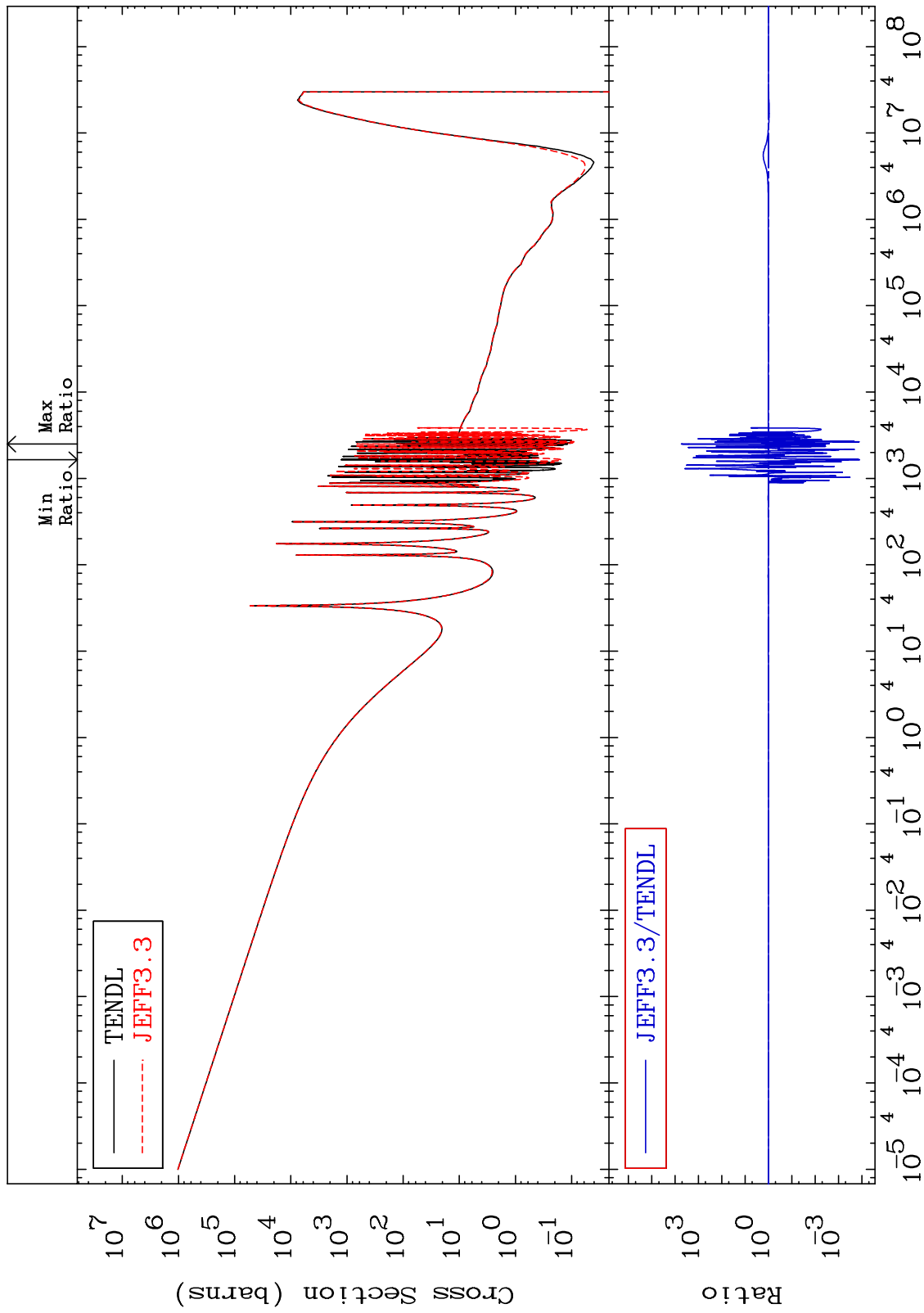
MAT 8034 Dpa inelastic (mt51-91) 80-Hg-199
 Cross Section -1.211 To 6.449 %



MAT 8034

Dpa disappearance (mt102 -120)
Cross Section

80-Hg-199
-99.99 To 9999. %



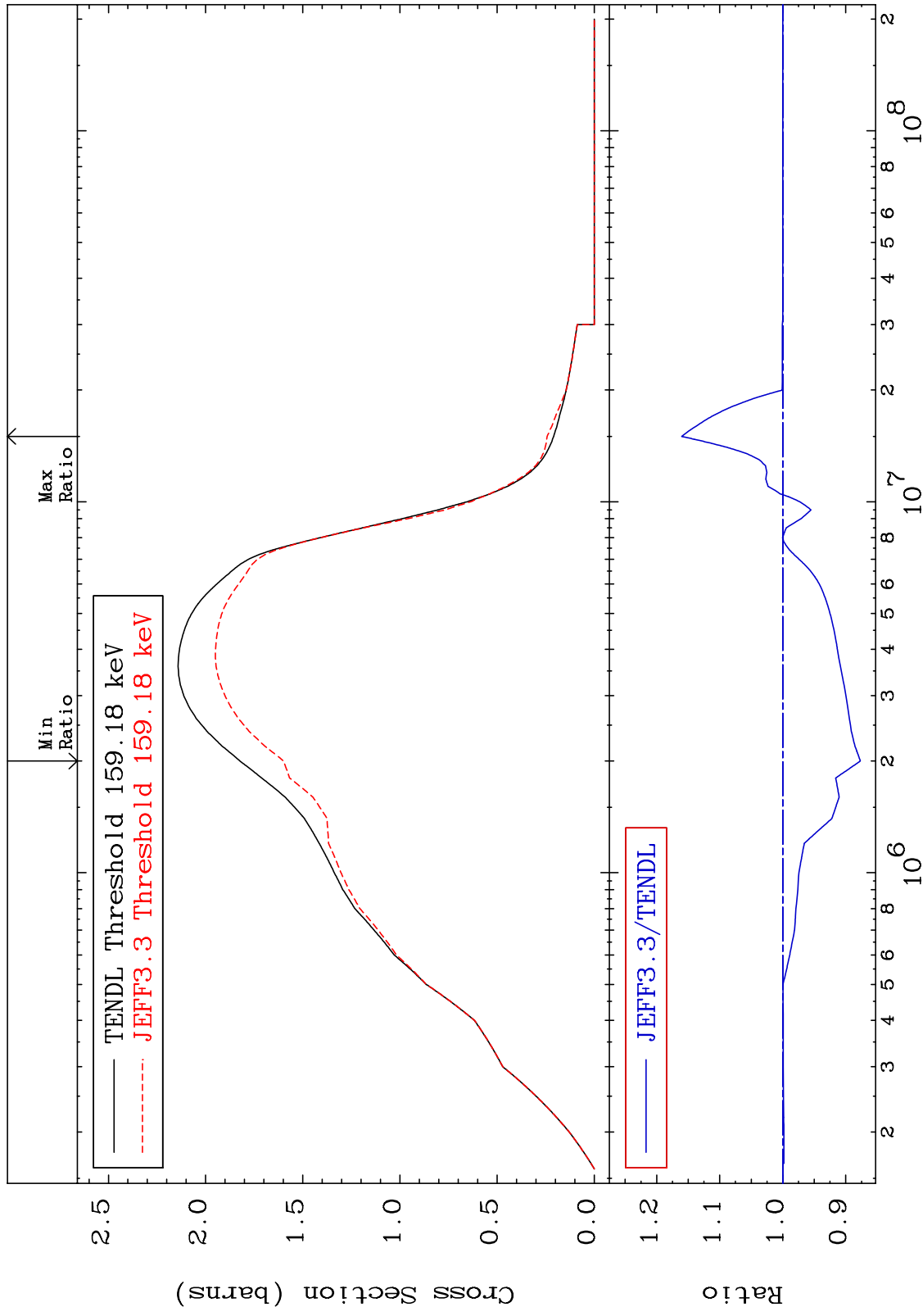
76

Incident Energy (eV)

80-Hg-199

MAT 8034

Inelastic:80-Hg-199g 80-Hg-199
Radionuclide Production Cross Section -12.32 To 16.03 %

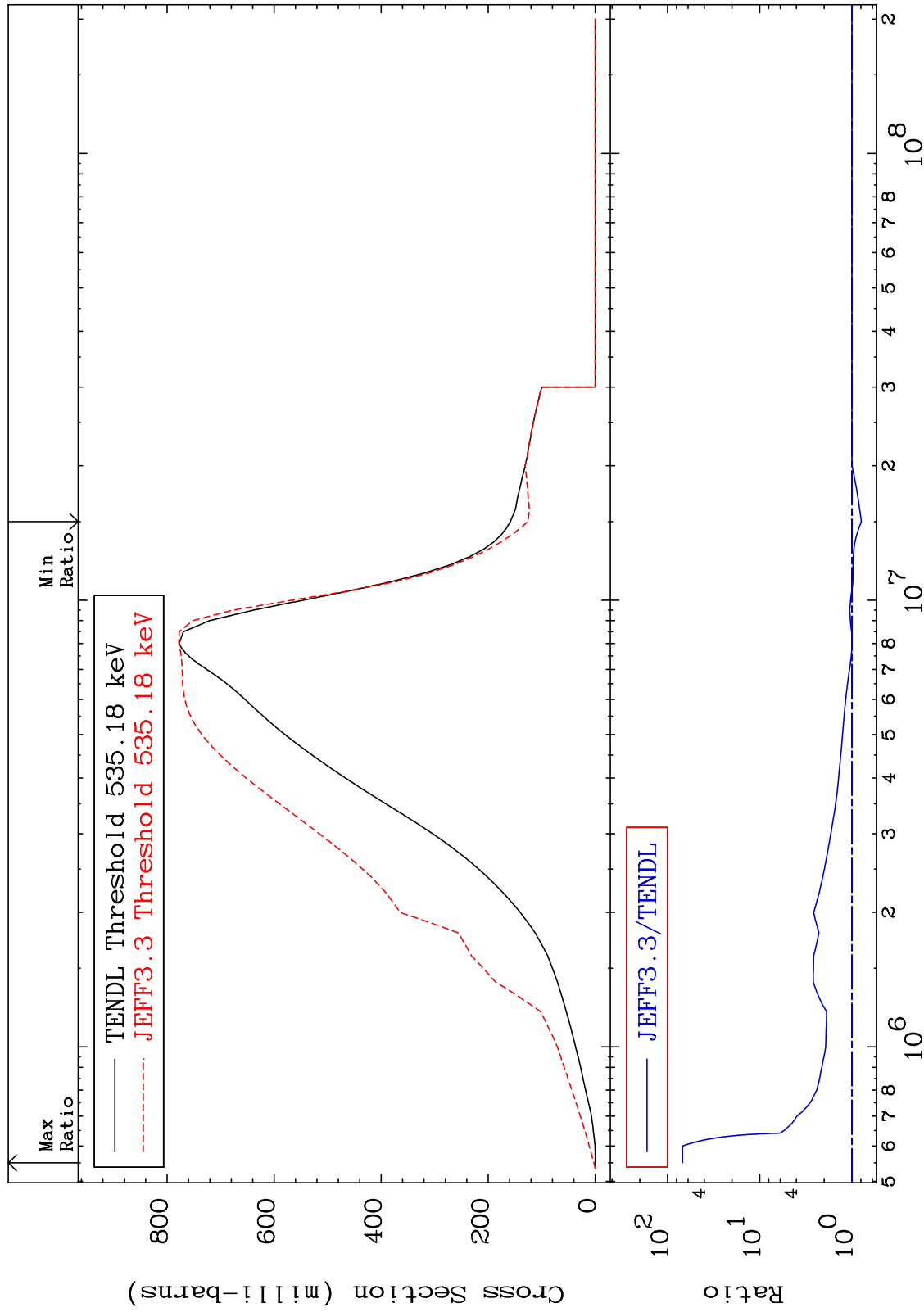


MAT 8034

Inelastic:80-Hg-199m7

80-Hg-199

Radionuclide Production Cross Section -20.80 To 6768. %



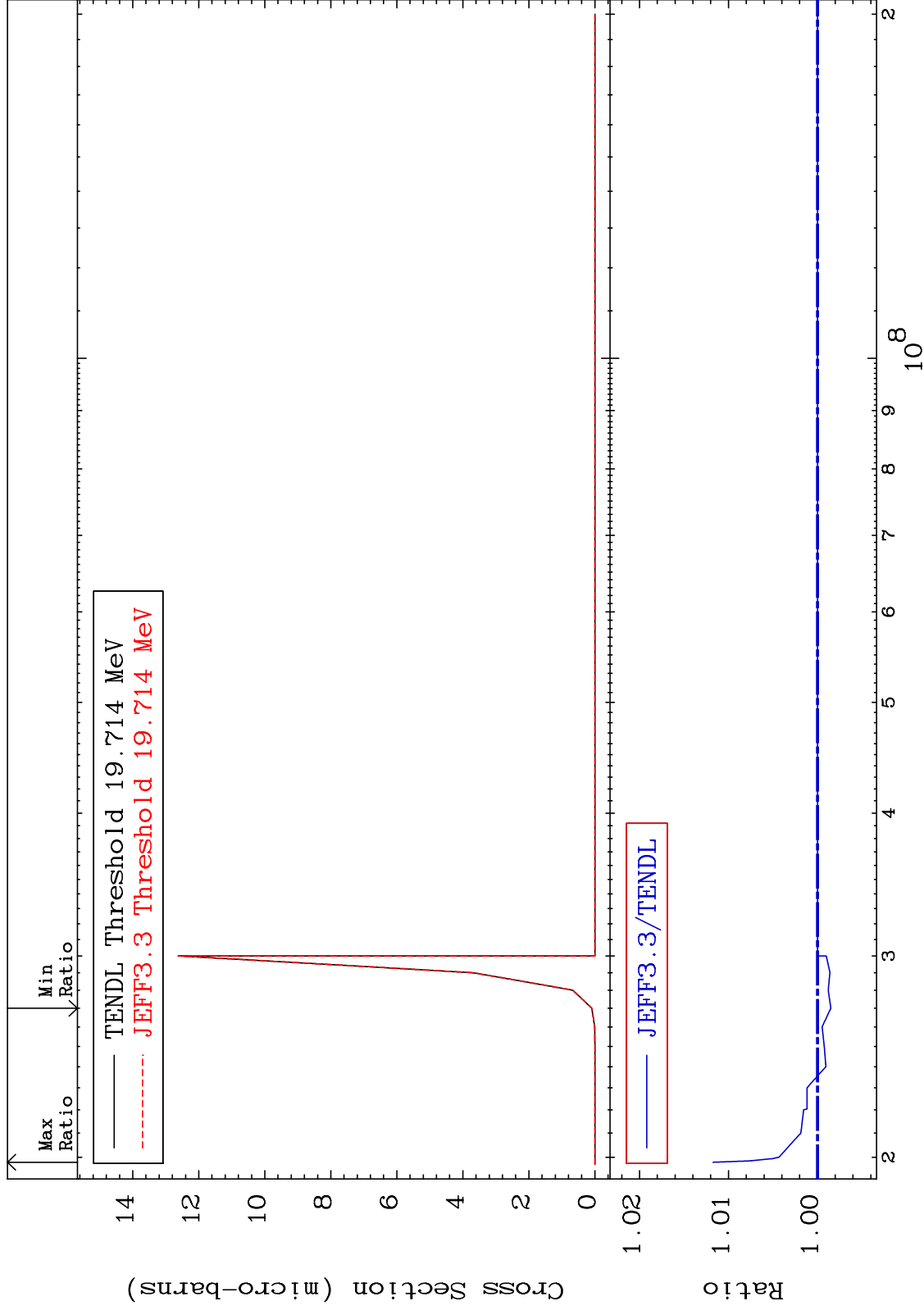
78

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -0.150 To 1.175 %



79

Incident Energy (eV)

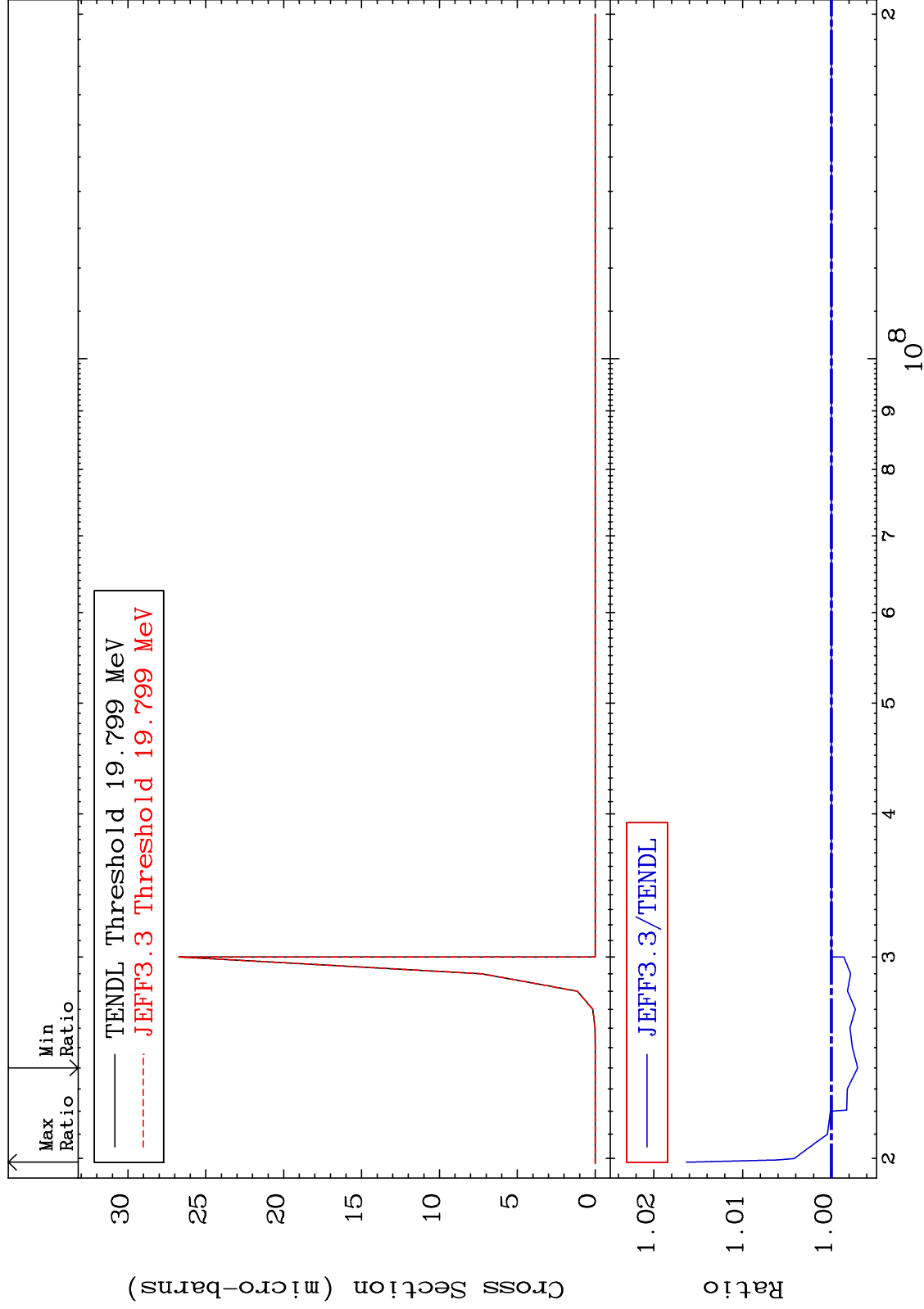
80-Hg-199

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -0.297 To 1.634 %



80

Incident Energy (eV)

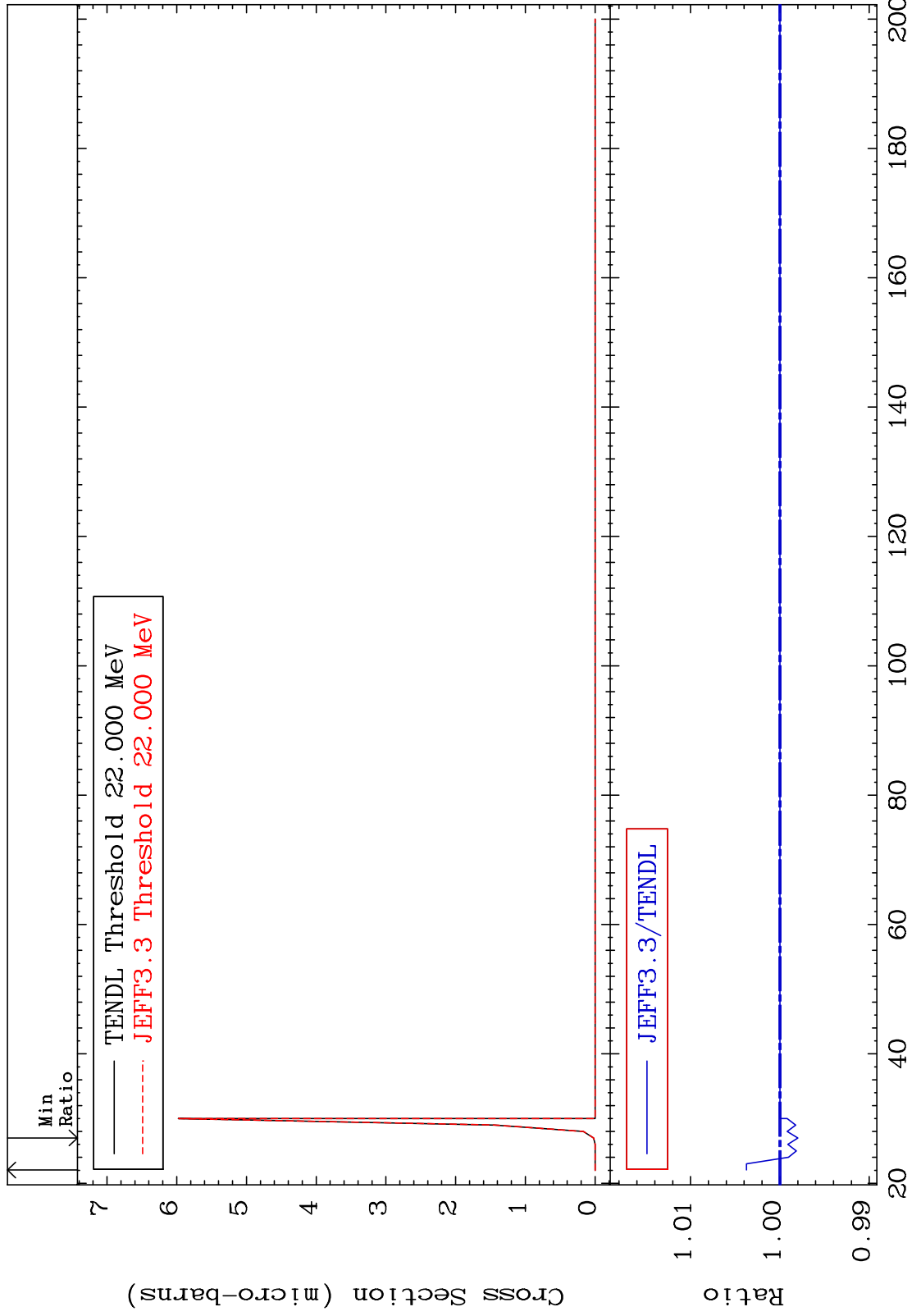
80-Hg-199

MAT 8034

(n,2n) d:79-Au-196m10

80-Hg-199

Radionuclide Production Cross Section -0.201 To 0.375 %



81

Incident Energy (MeV)

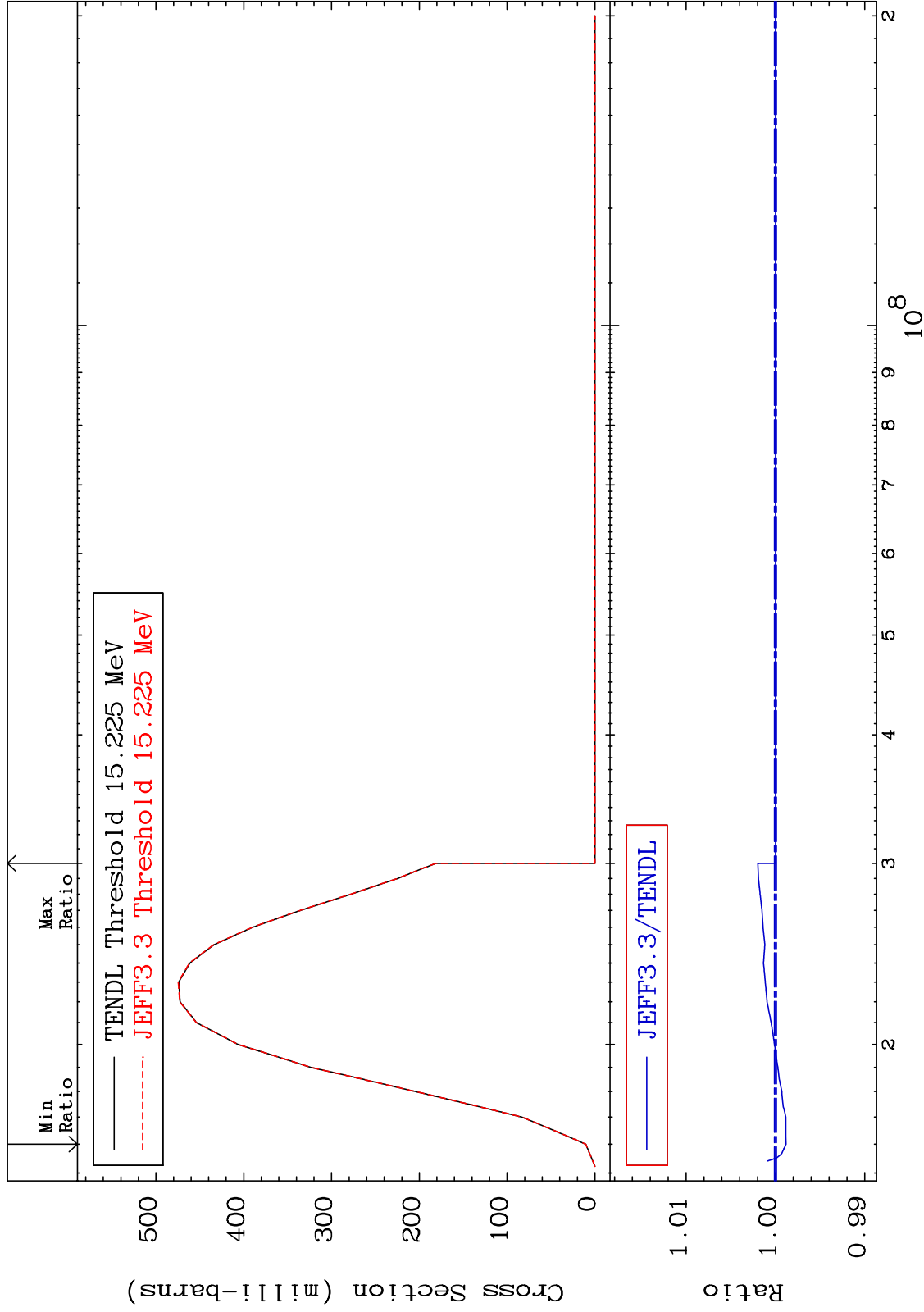
80-Hg-199

MAT 8034

(n,3n):80-Hg-197g

80-Hg-199

Radionuclide Production Cross Section -0.118 To 0.198 %

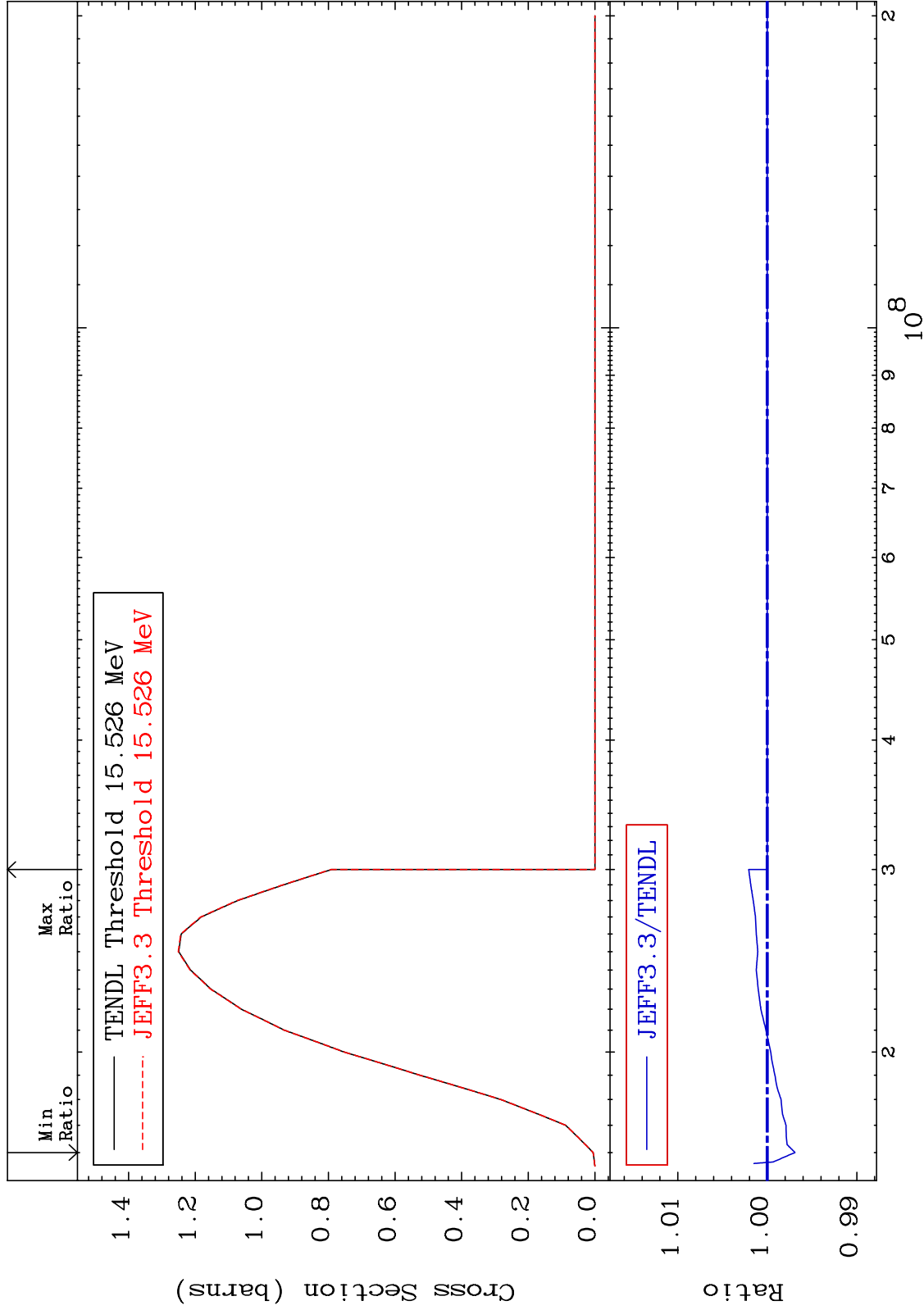


MAT 8034

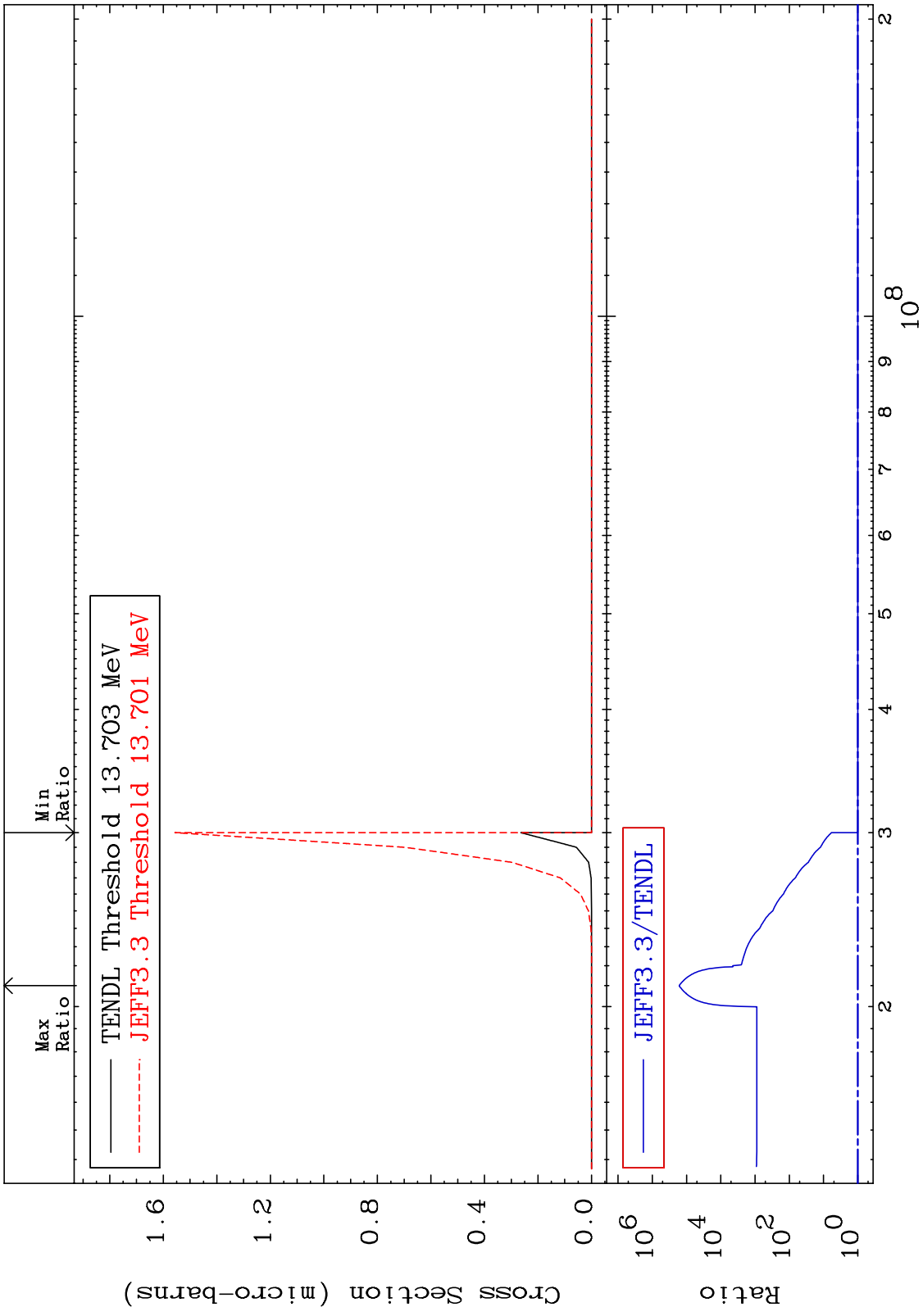
(n,3n):80-Hg-197m4

80-Hg-199

Radionuclide Production Cross Section -0.310 To 0.208 %



MAT 8034 (n,3n) α : 78-Pt-193g 80-Hg-199
 Radionuclide Production Cross Section 0.000 To 9999. %

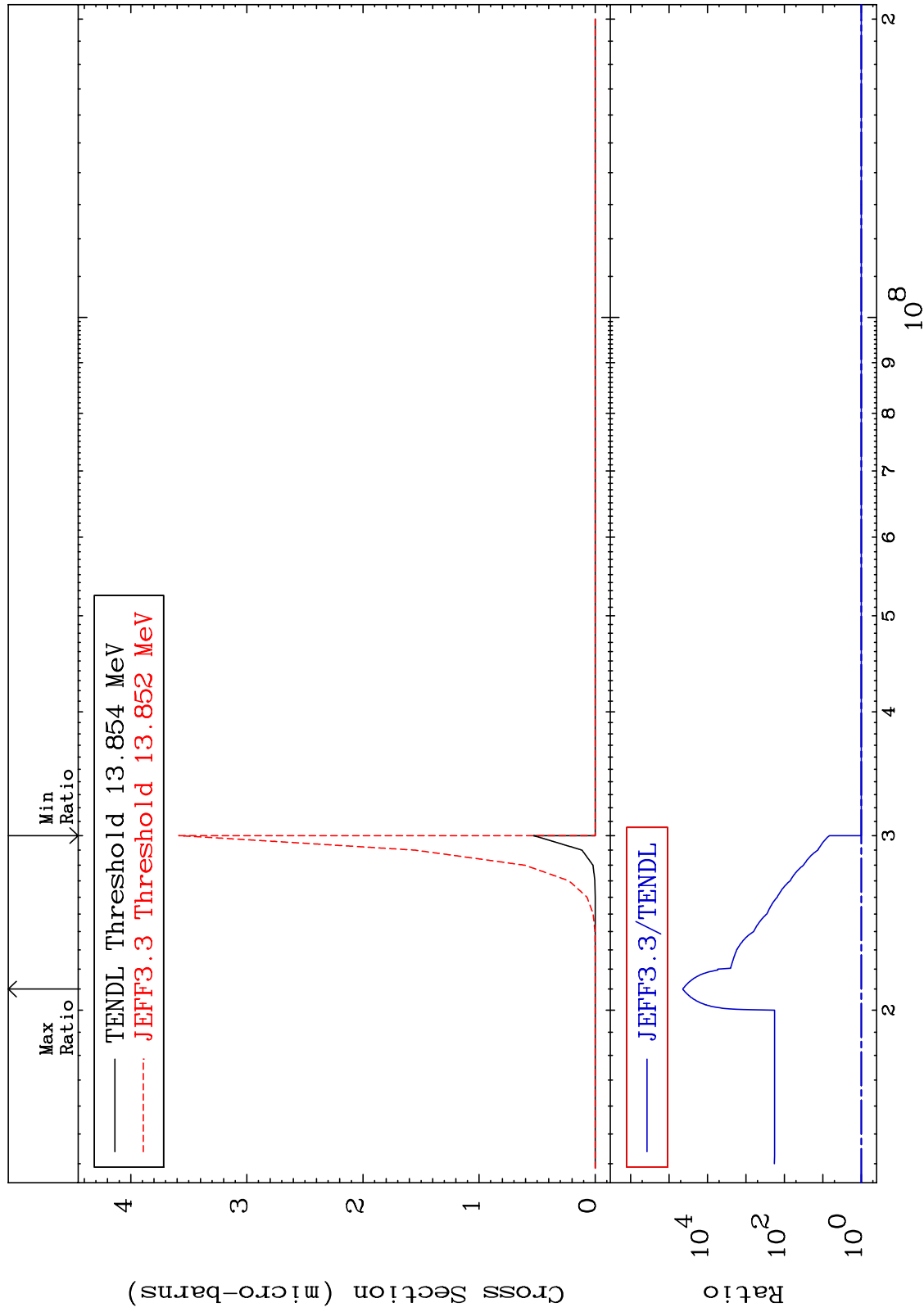


MAT 8034

(n,3n) α :78-Pt-193m5

80-Hg-199

Radionuclide Production Cross Section 0.000 To 9999. %

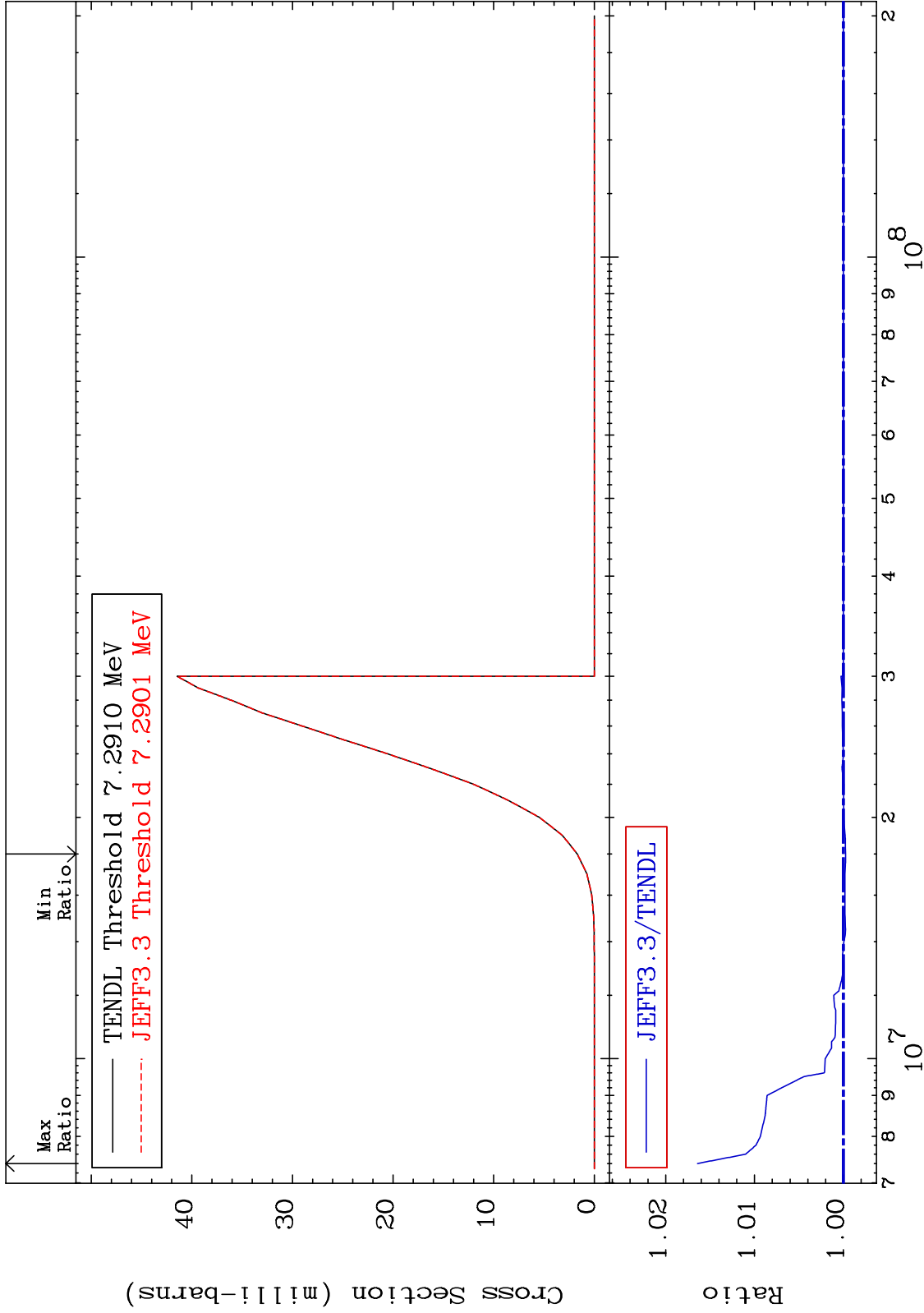


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -0.025 To 1.641 %



86

Incident Energy (eV)

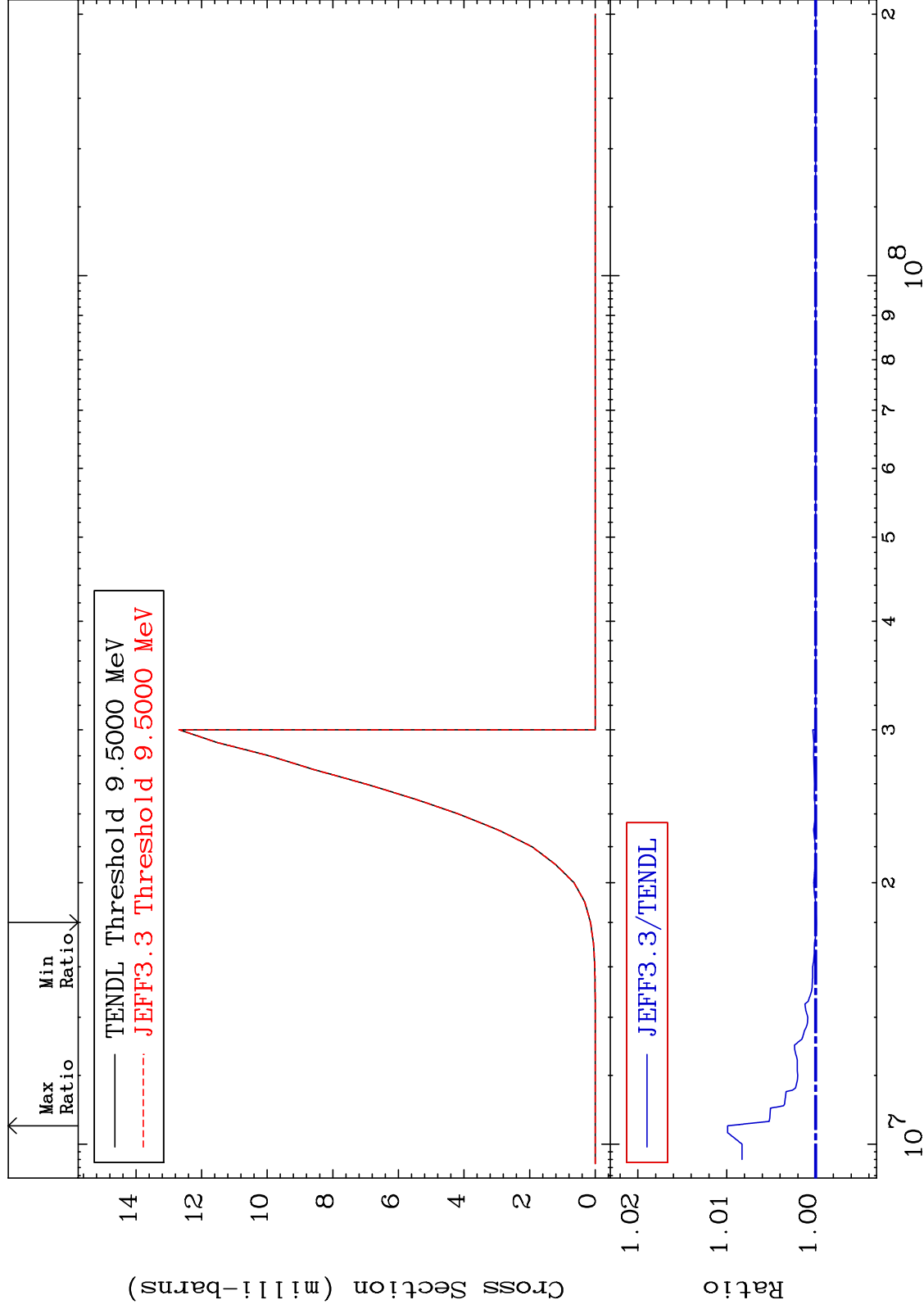
80-Hg-199

MAT 8034

(n,n') p:79-Au-198m5

80-Hg-199

Radionuclide Production Cross Section -0.008 To 0.990 %



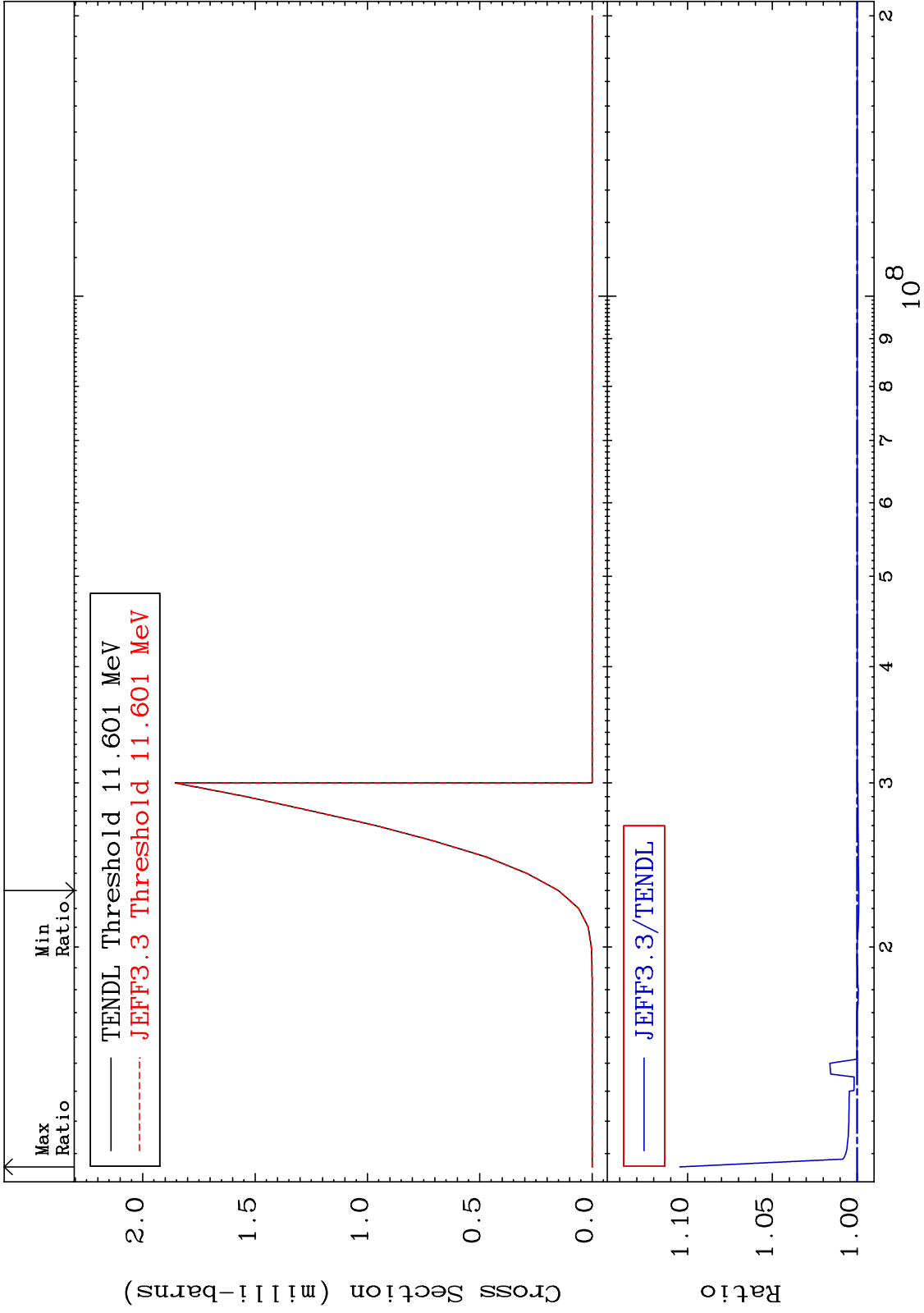
87

Incident Energy (eV)

80-Hg-199

MAT 8034

(n, n') d:79-Au-197g 80-Hg-199
Radionuclide Production Cross Section -0.099 To 10.46 %

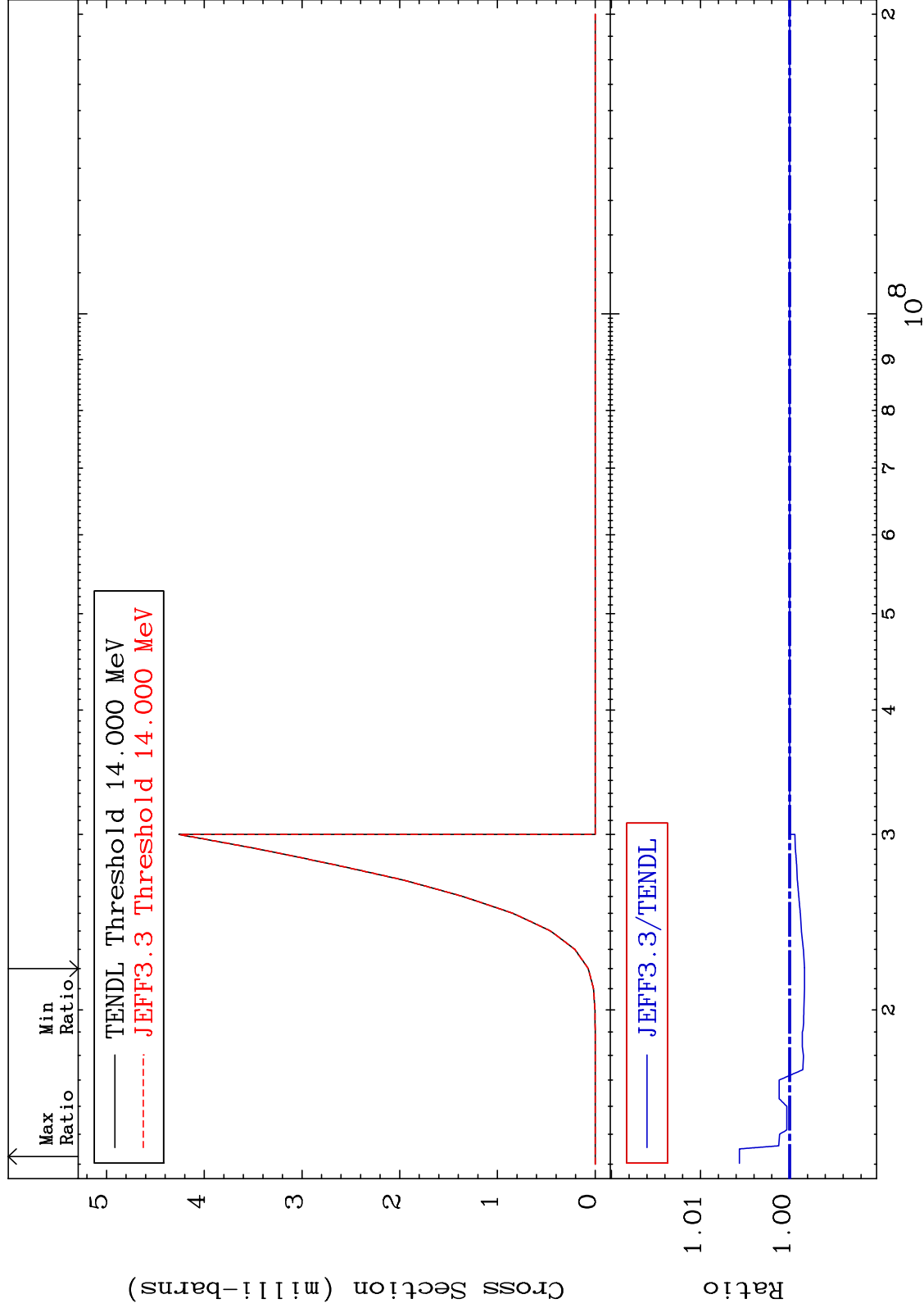


MAT 8034

(n, n') d:79-Au-197m4

80-Hg-199

Radionuclide Production Cross Section -0.167 To 0.563 %

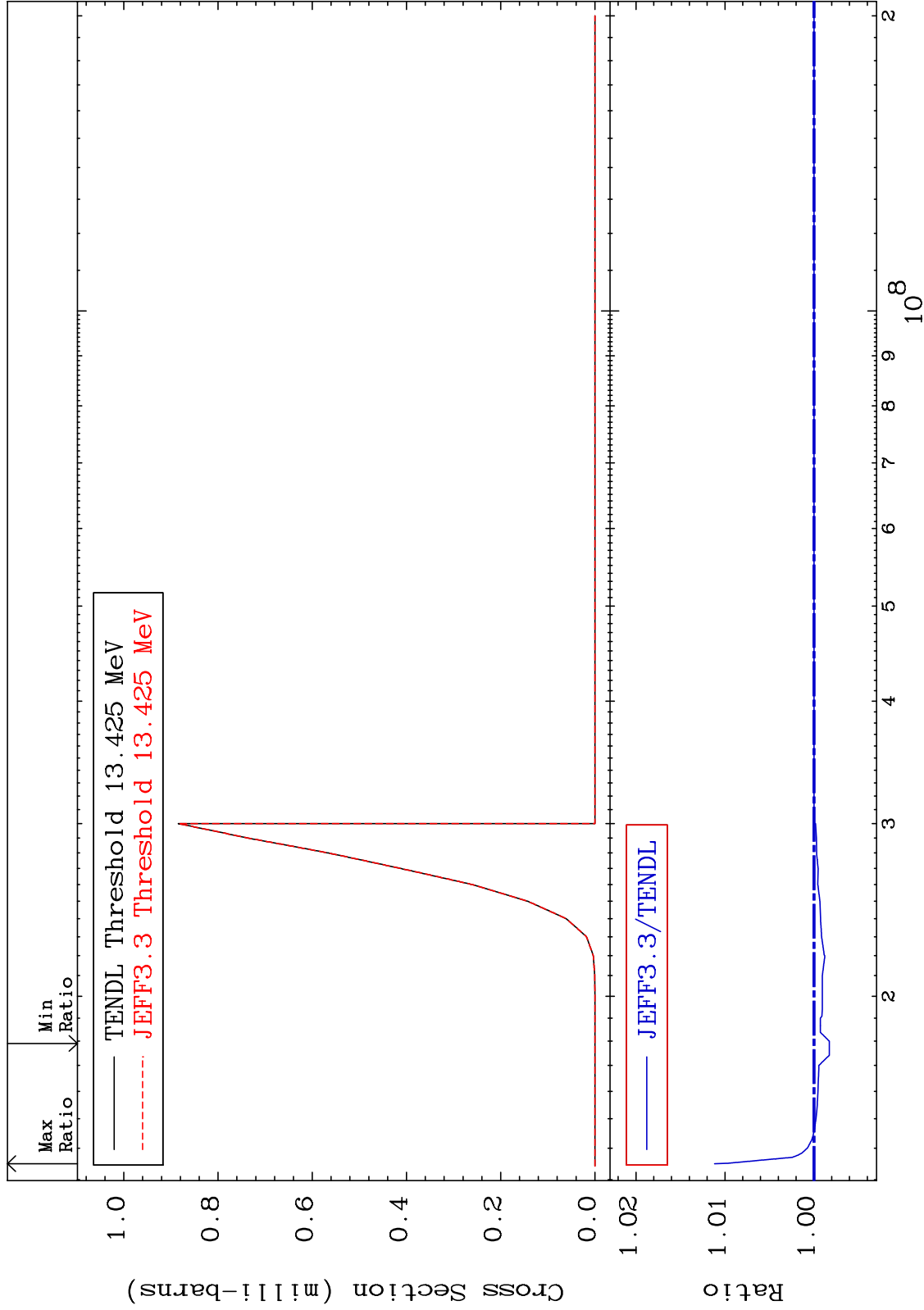


MAT 8034

(n, n') t: 79-Au-196g

80-Hg-199

Radionuclide Production Cross Section -0.172 To 1.117 %

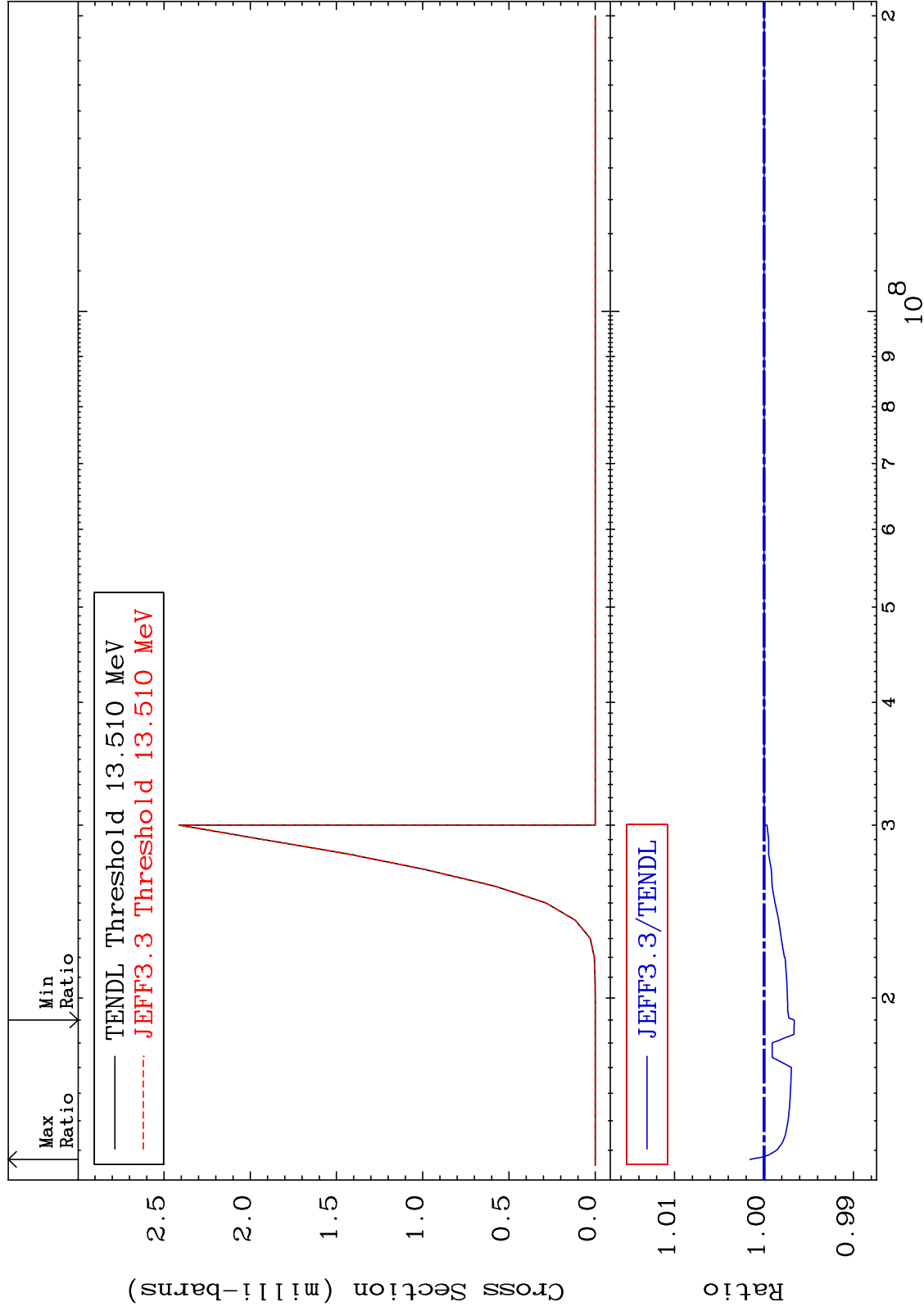


MAT 8034

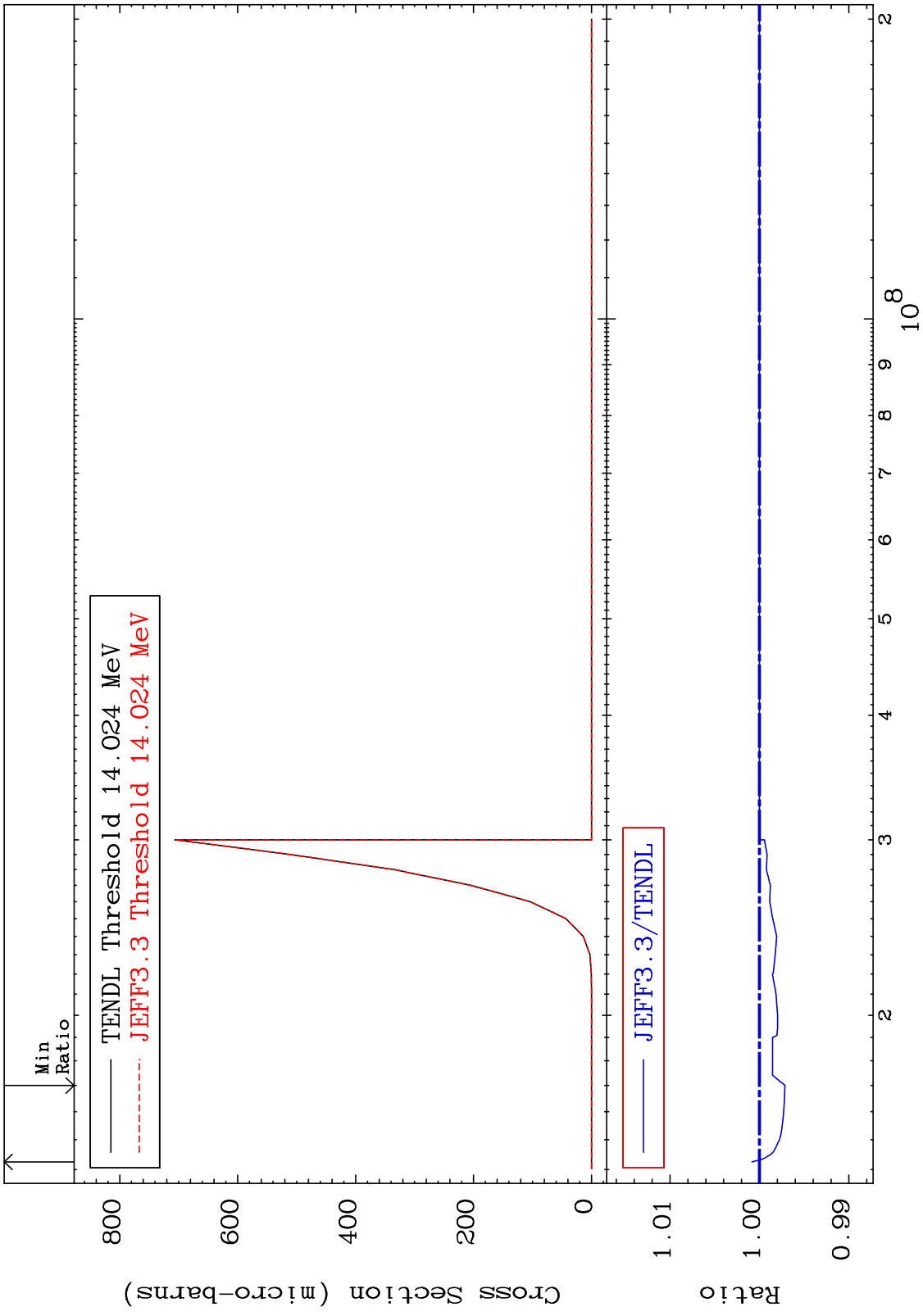
(n,n') t:79-Au-196m3

80-Hg-199

Radionuclide Production Cross Section -0.337 To 0.158 %



MAT 8034 (n,n') t:79-Au-196m10 80-Hg-199
 Radionuclide Production Cross Section -0.285 To 0.084 %

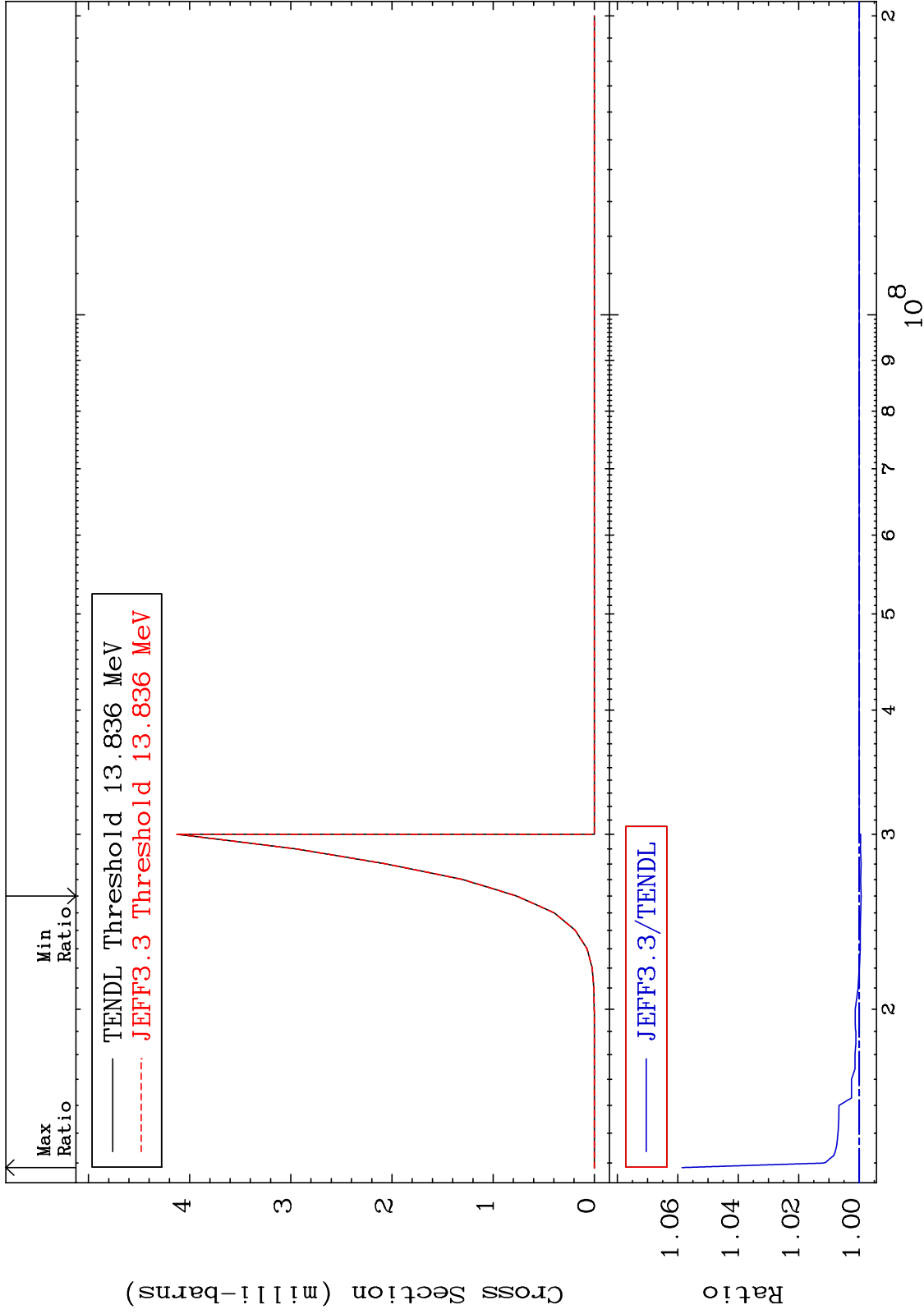


MAT 8034

(n,2n) p:79-Au-197g

80-Hg-199

Radionuclide Production Cross Section -0.067 To 5.858 %



93

Incident Energy (eV)

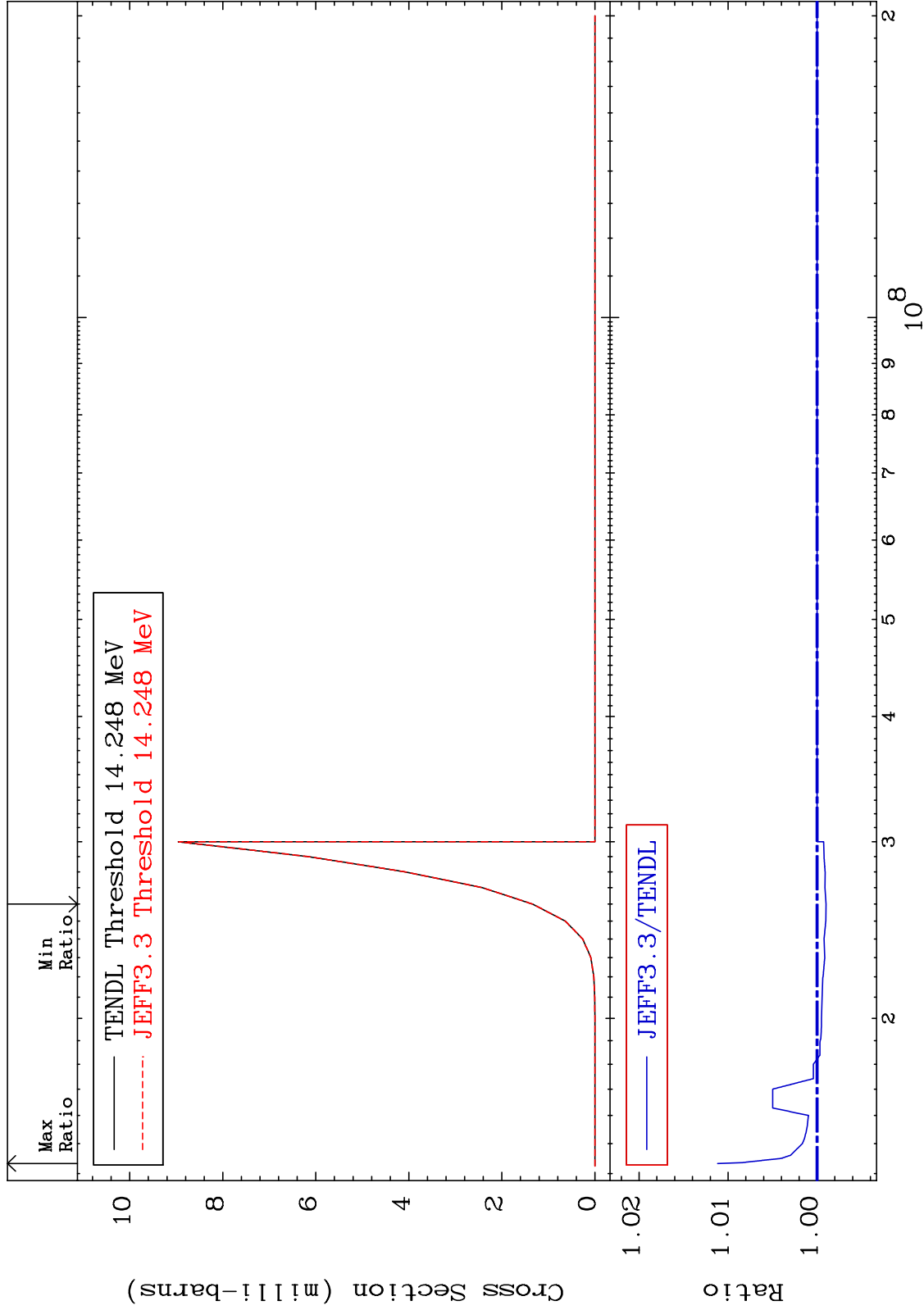
80-Hg-199

MAT 8034

(n,2n) p:79-Au-197m4

80-Hg-199

Radionuclide Production Cross Section -0.101 To 1.117 %

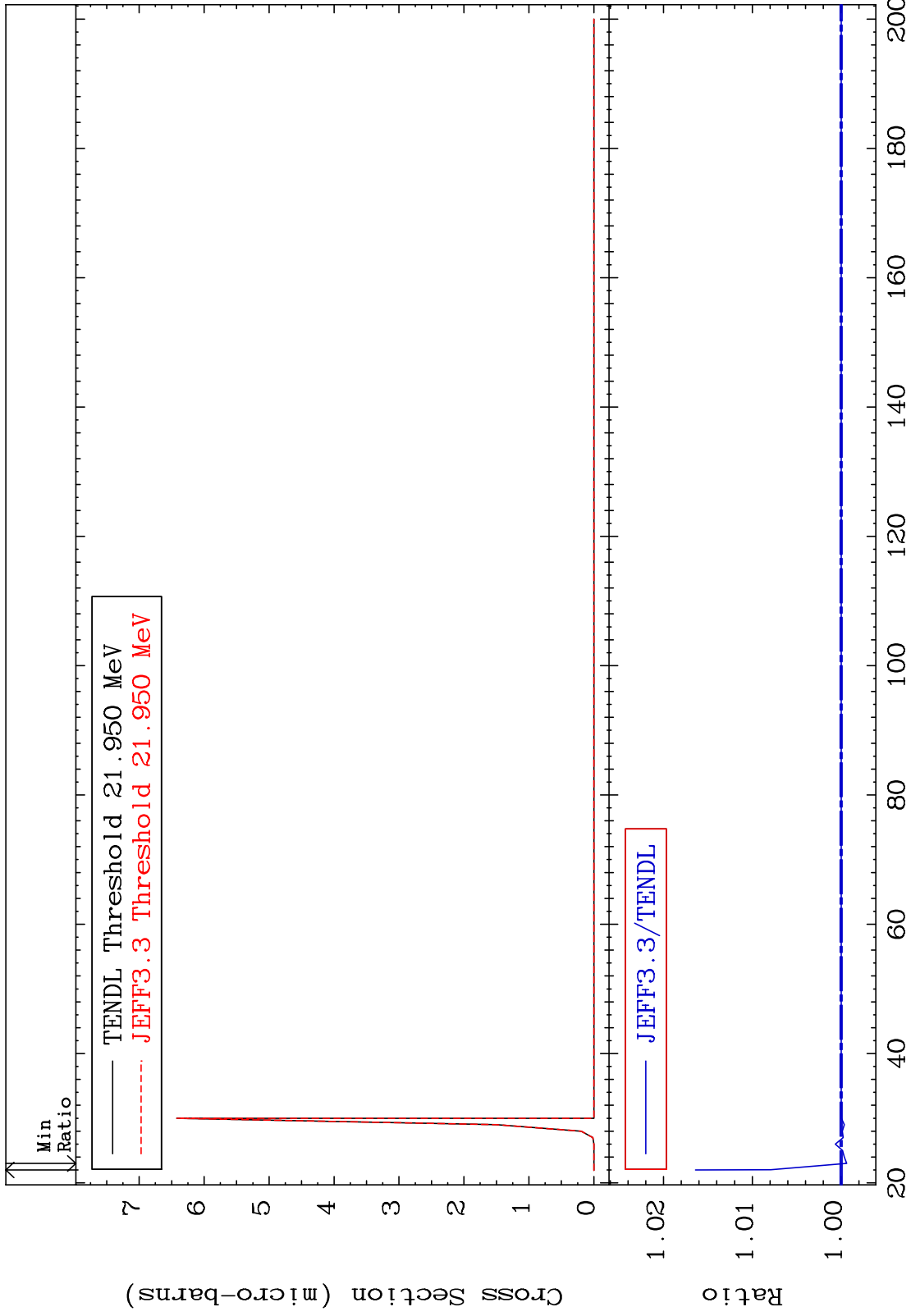


MAT 8034

(n,3n) p:79-Au-196g

80-Hg-199

Radionuclide Production Cross Section -0.062 To 1.640 %



95

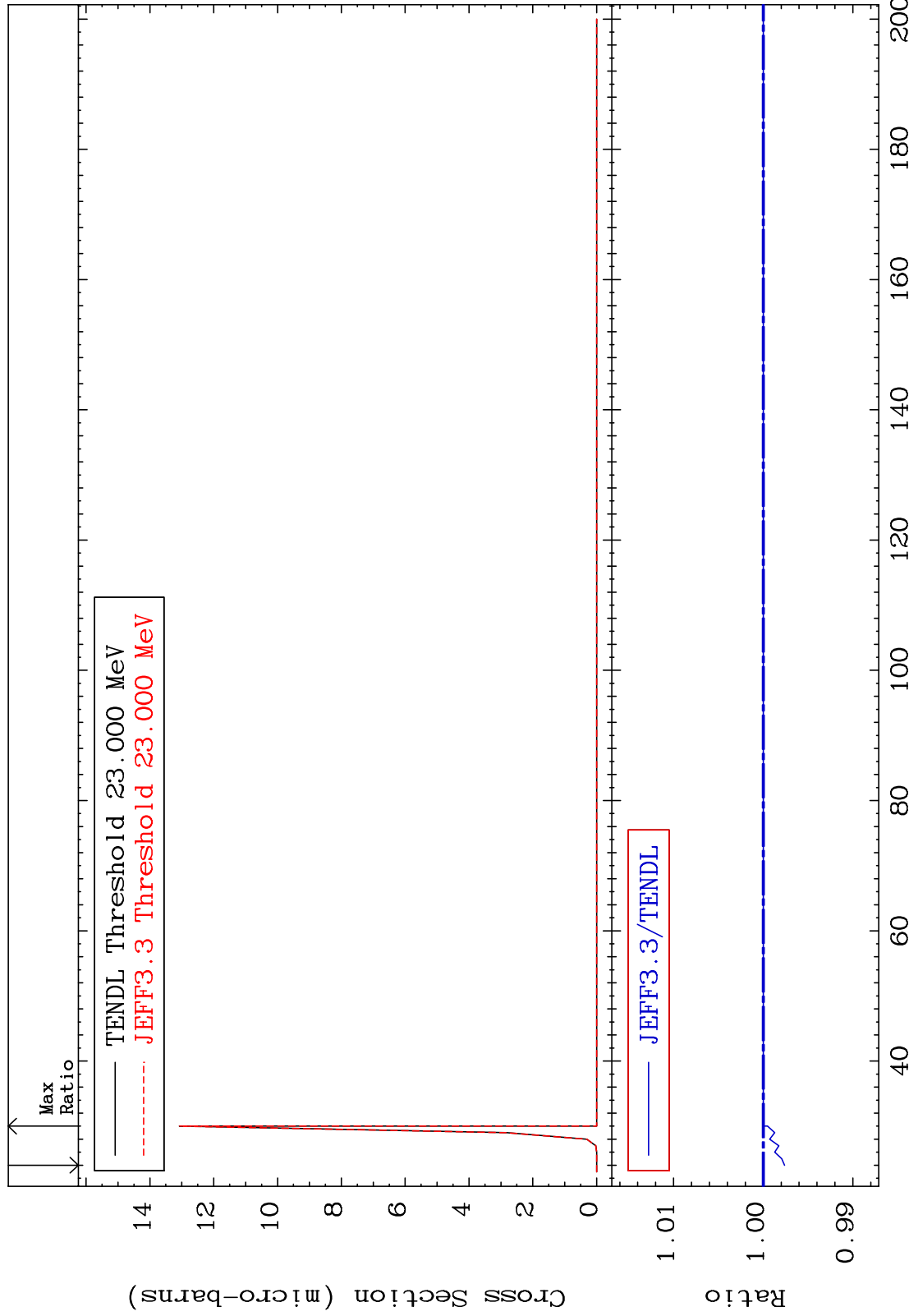
80-Hg-199

MAT 8034

(n,3n) p:79-Au-196m3

80-Hg-199

Radionuclide Production Cross Section -0.238 To 0.000 %

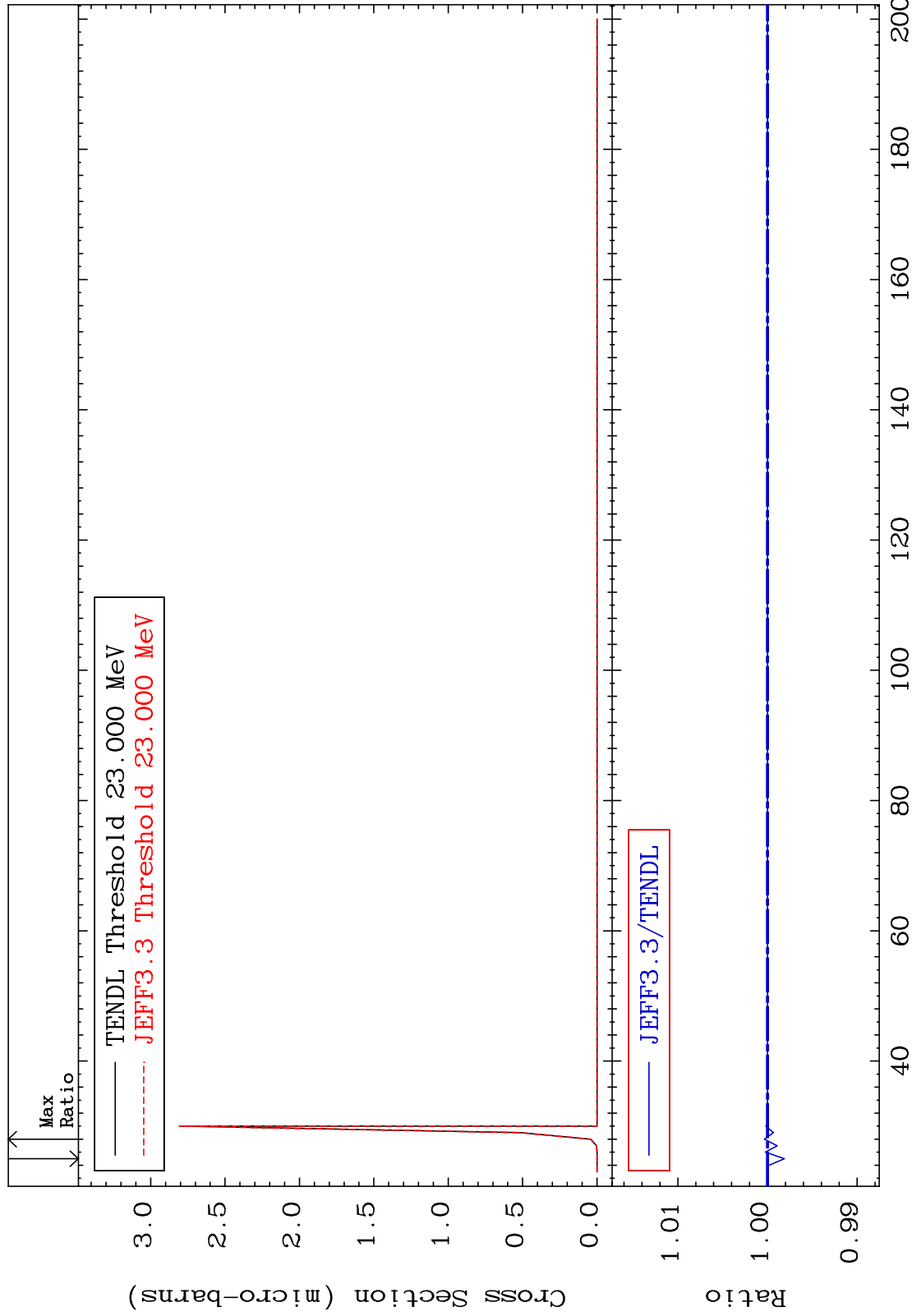


MAT 8034

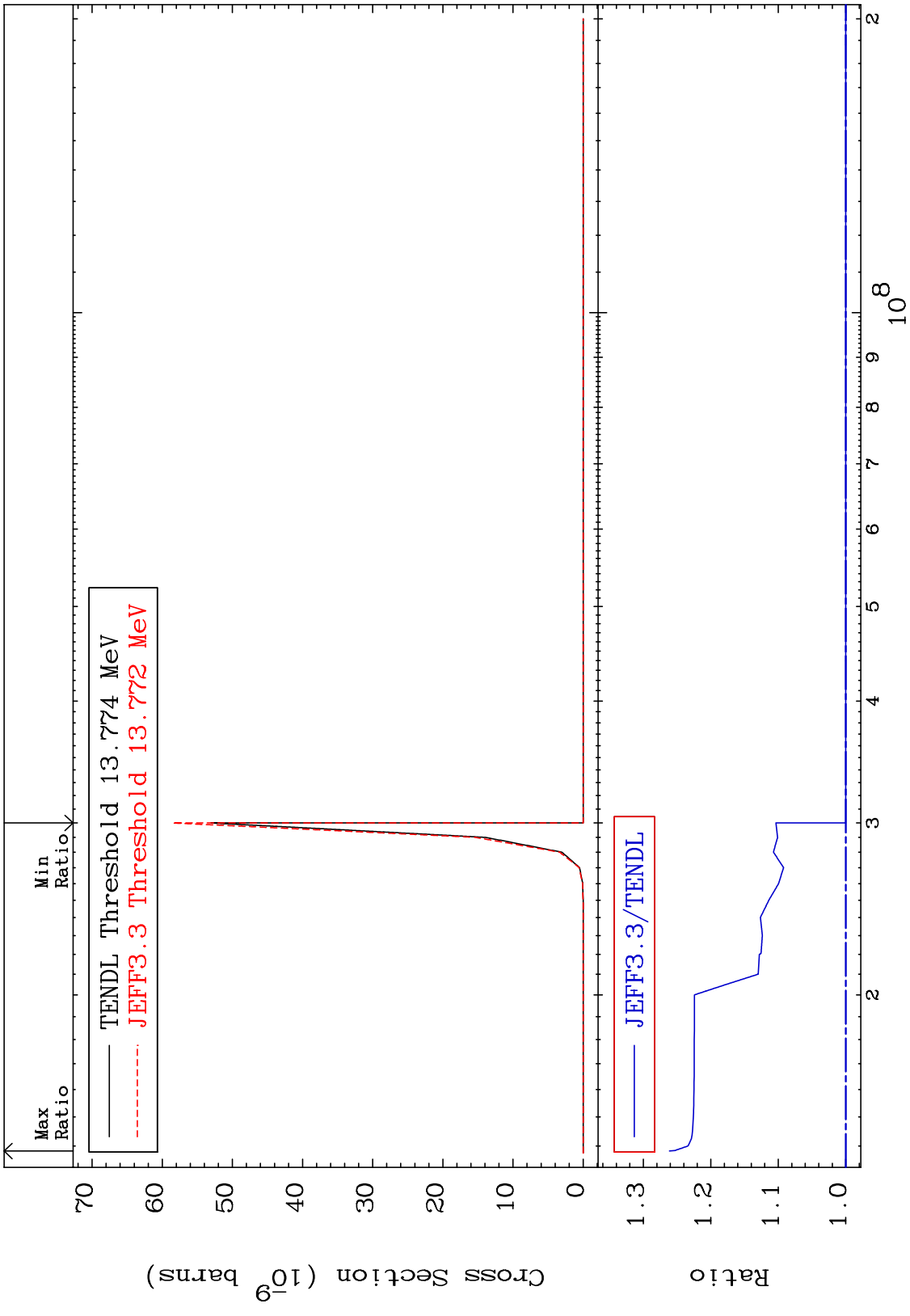
(n,3n) p:79-Au-196m10

80-Hg-199

Radionuclide Production Cross Section -0.187 To 0.034 %



MAT 8034 (n,2n) p:78-Pt-197g 80-Hg-199
 Radionuclide Production Cross Section 0.000 To 26.12 %

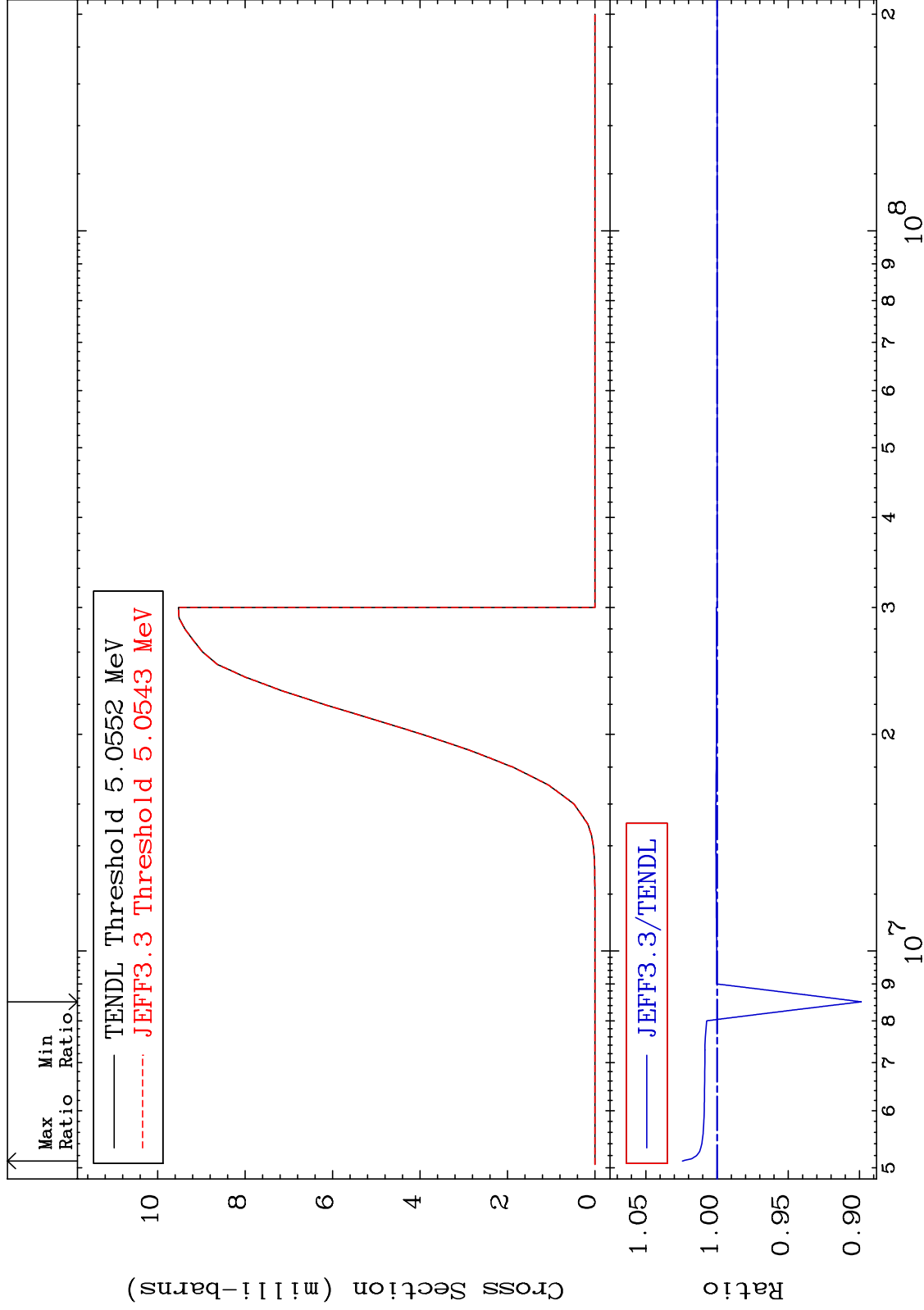


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -10.12 To 2.427 %

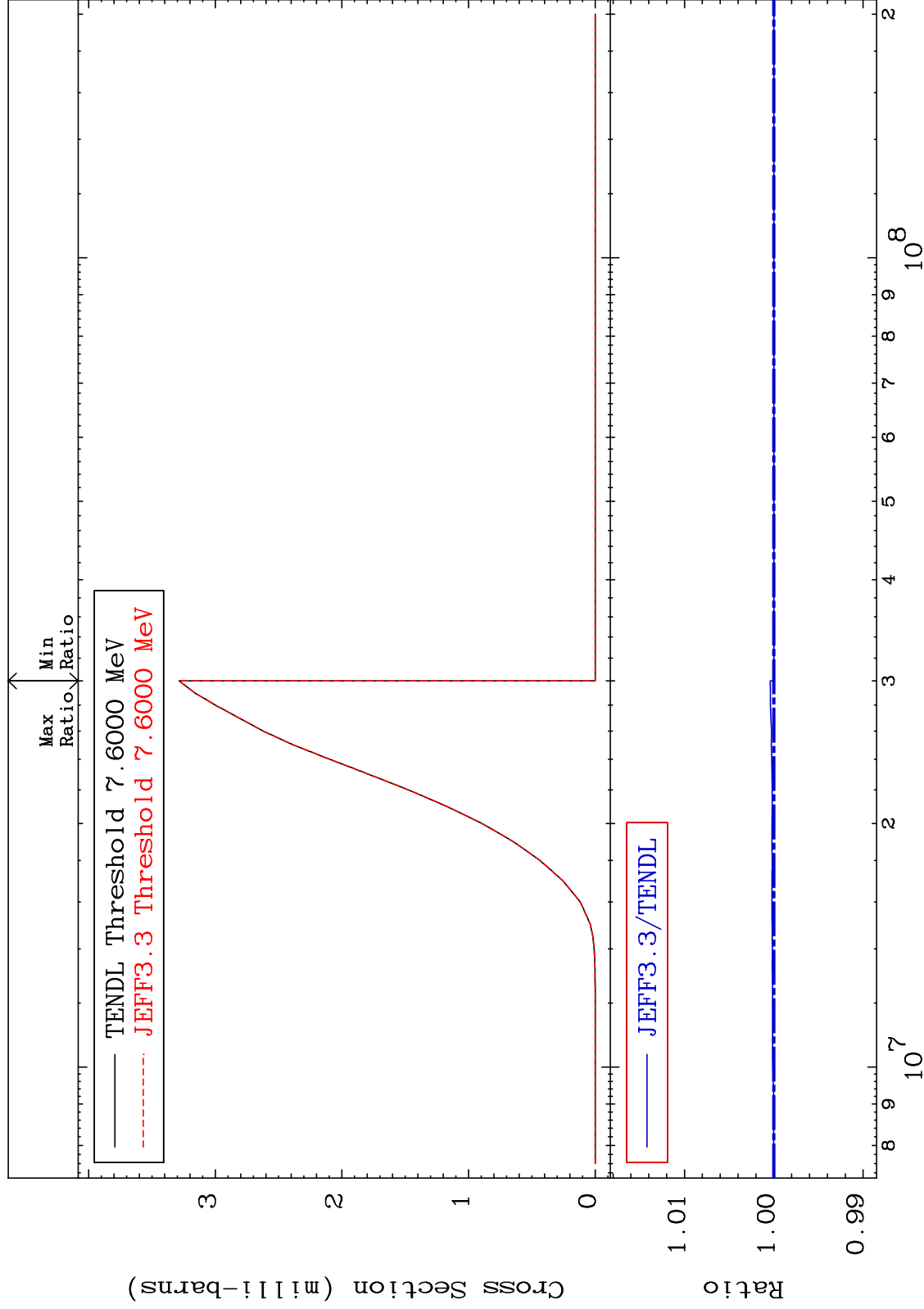


MAT 8034

(n, d) : 79-Au-198m5

80-Hg-199

Radionuclide Production Cross Section 0.000 To 0.040 %

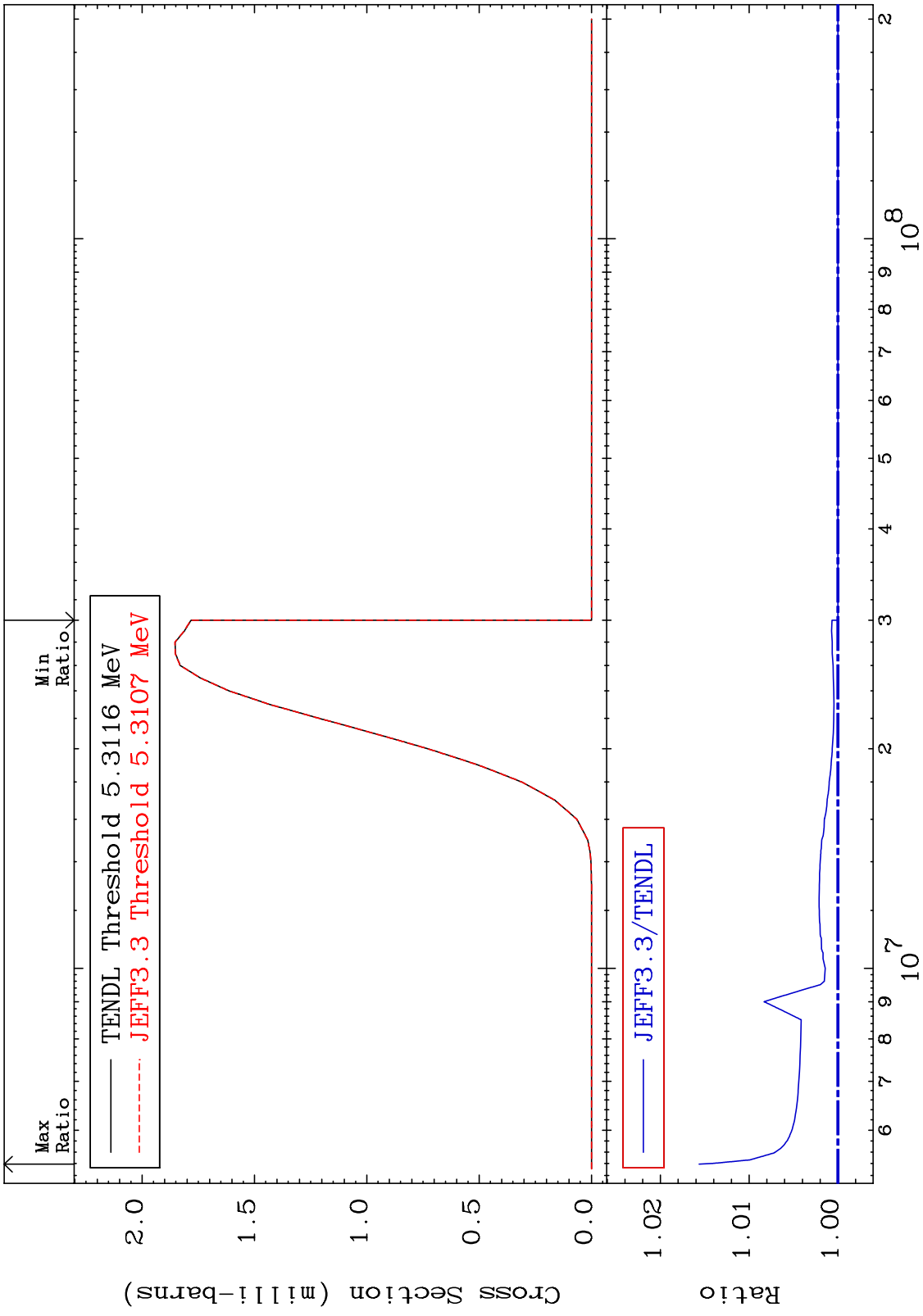


100

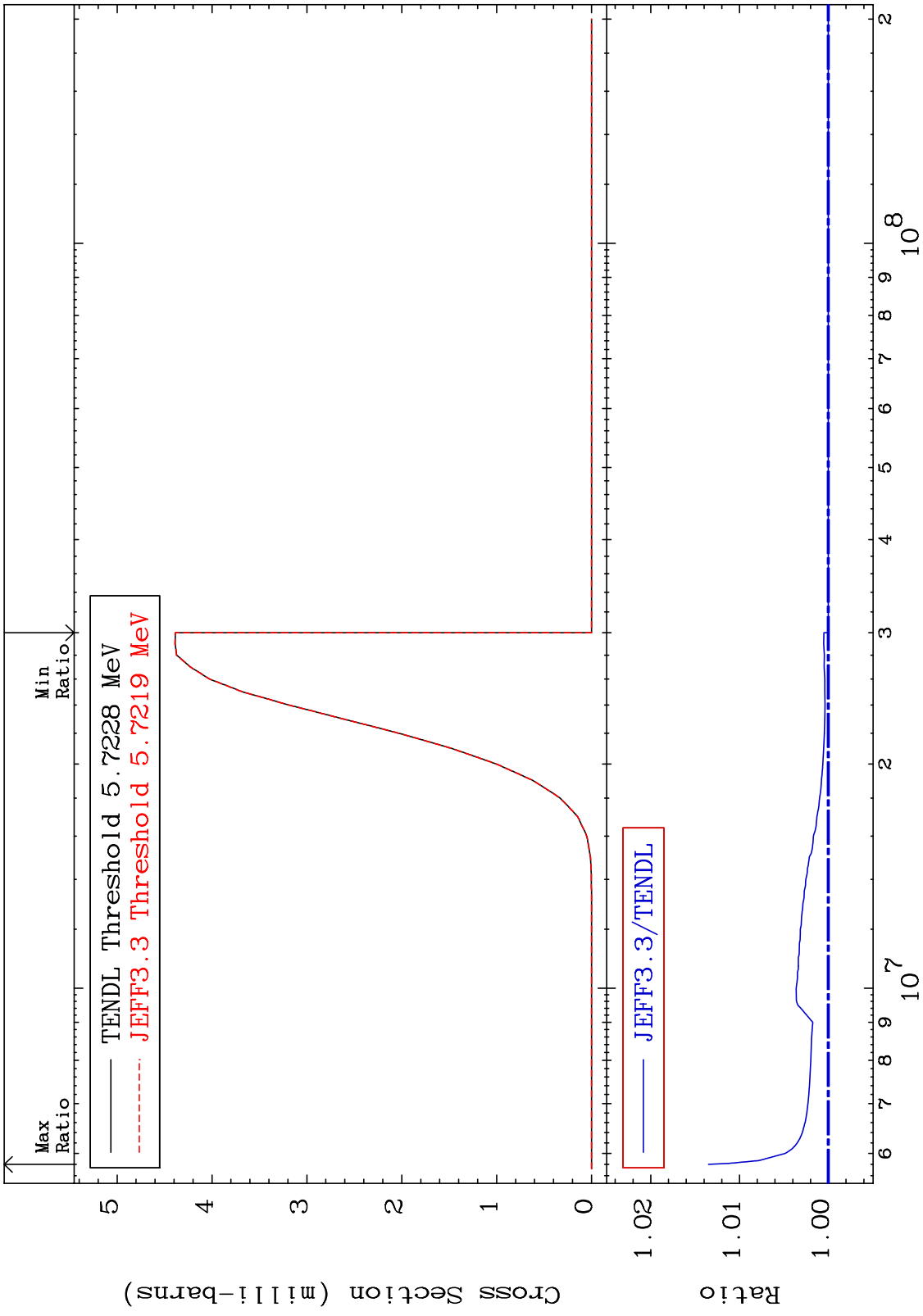
Incident Energy (eV)

80-Hg-199

MAT 8034 (n,t):79-Au-197g 80-Hg-199
 Radionuclide Production Cross Section 0.000 To 1.565 %

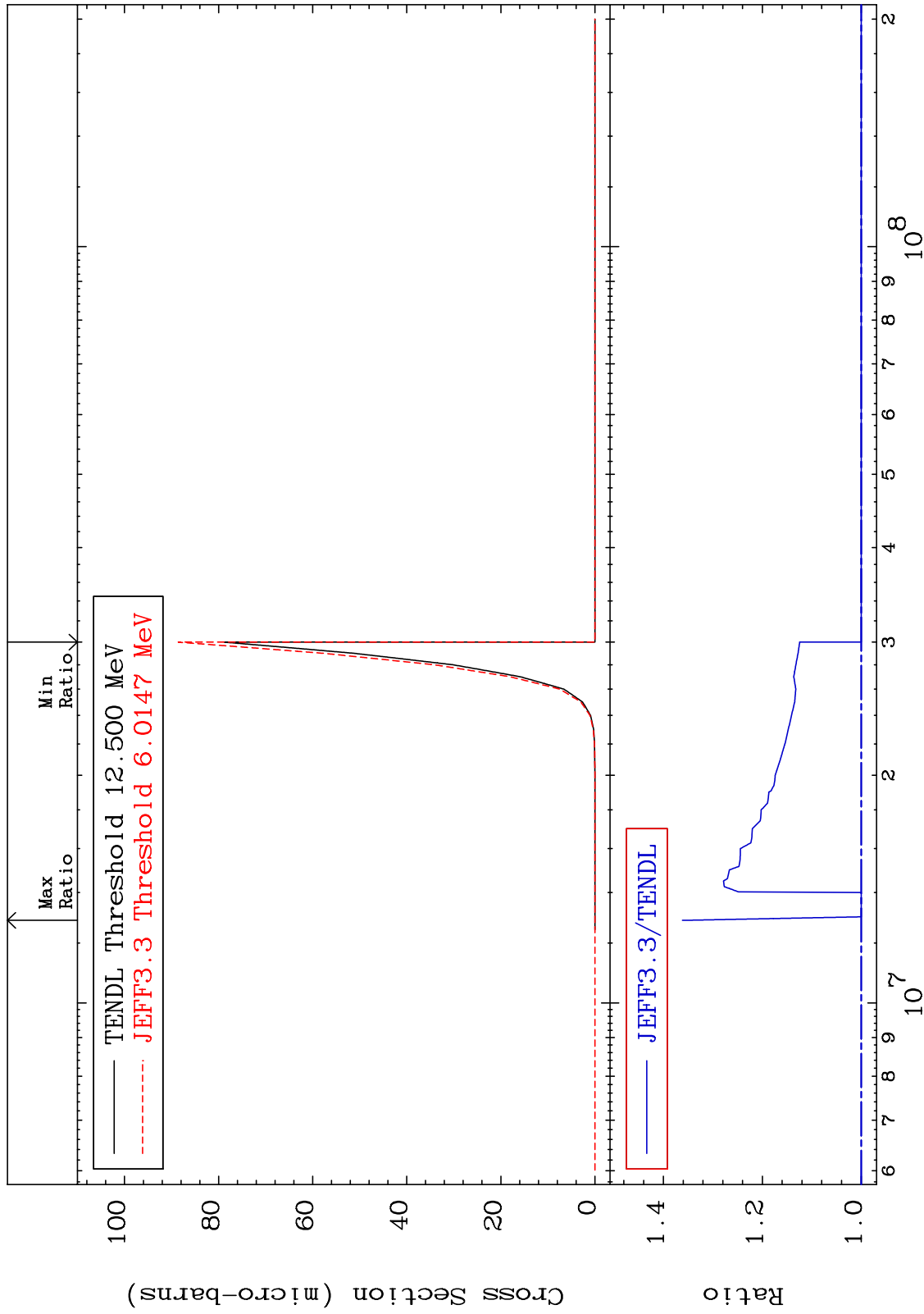


MAT 8034 (n, t): 79-Au-197m4 80-Hg-199
 Radionuclide Production Cross Section 0.000 To 1.349 %



MAT 8034

(n, He-3) : 78-Pt-197g 80-Hg-199
Radionuclide Production Cross Section 0.000 To 36.15 %



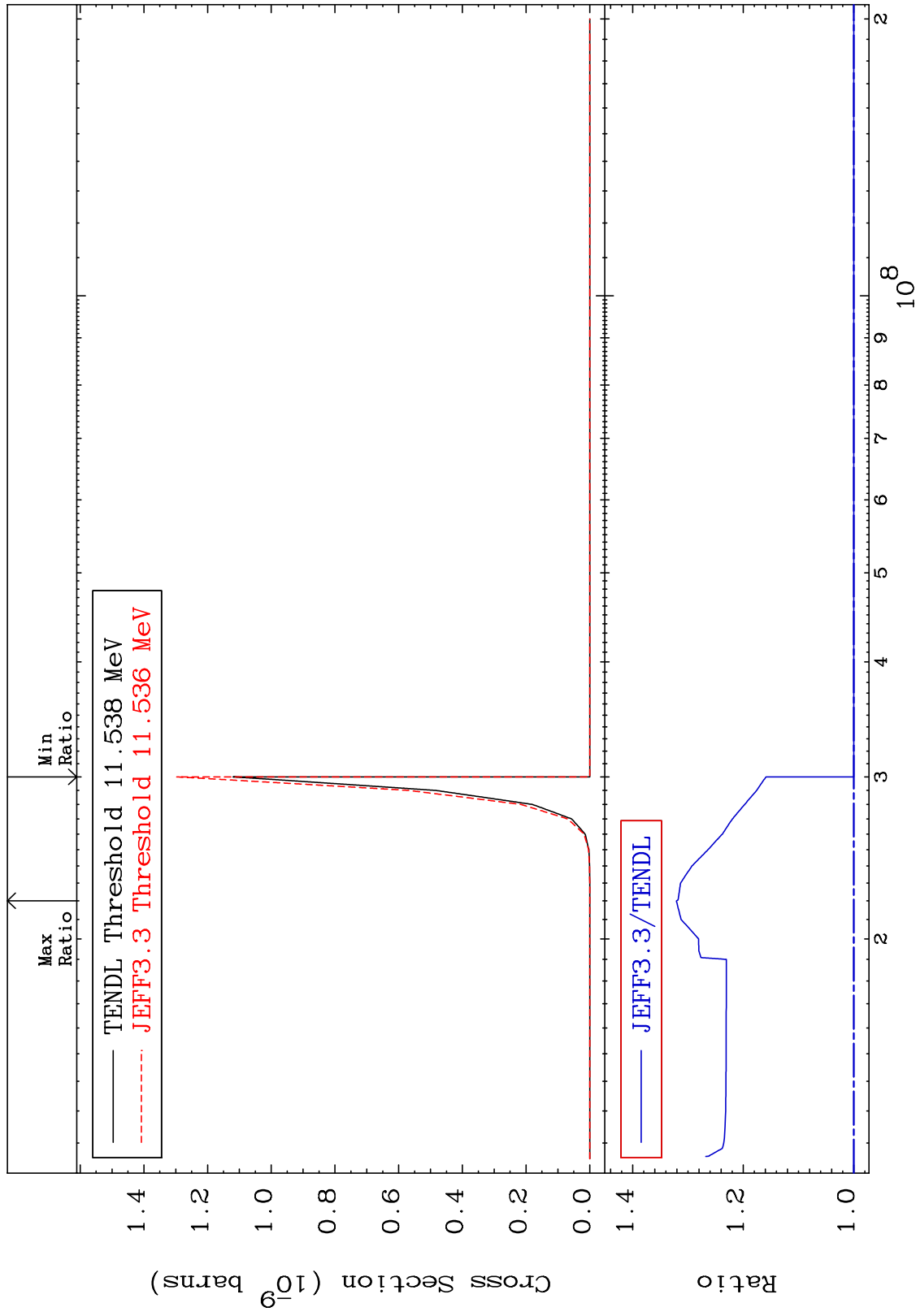
103

Incident Energy (eV)

80-Hg-199

MAT 8034

(n,p) d:78-Pt-197g 80-Hg-199
Radionuclide Production Cross Section 0.000 To 32.06 %



104

Incident Energy (eV)

80-Hg-199