

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

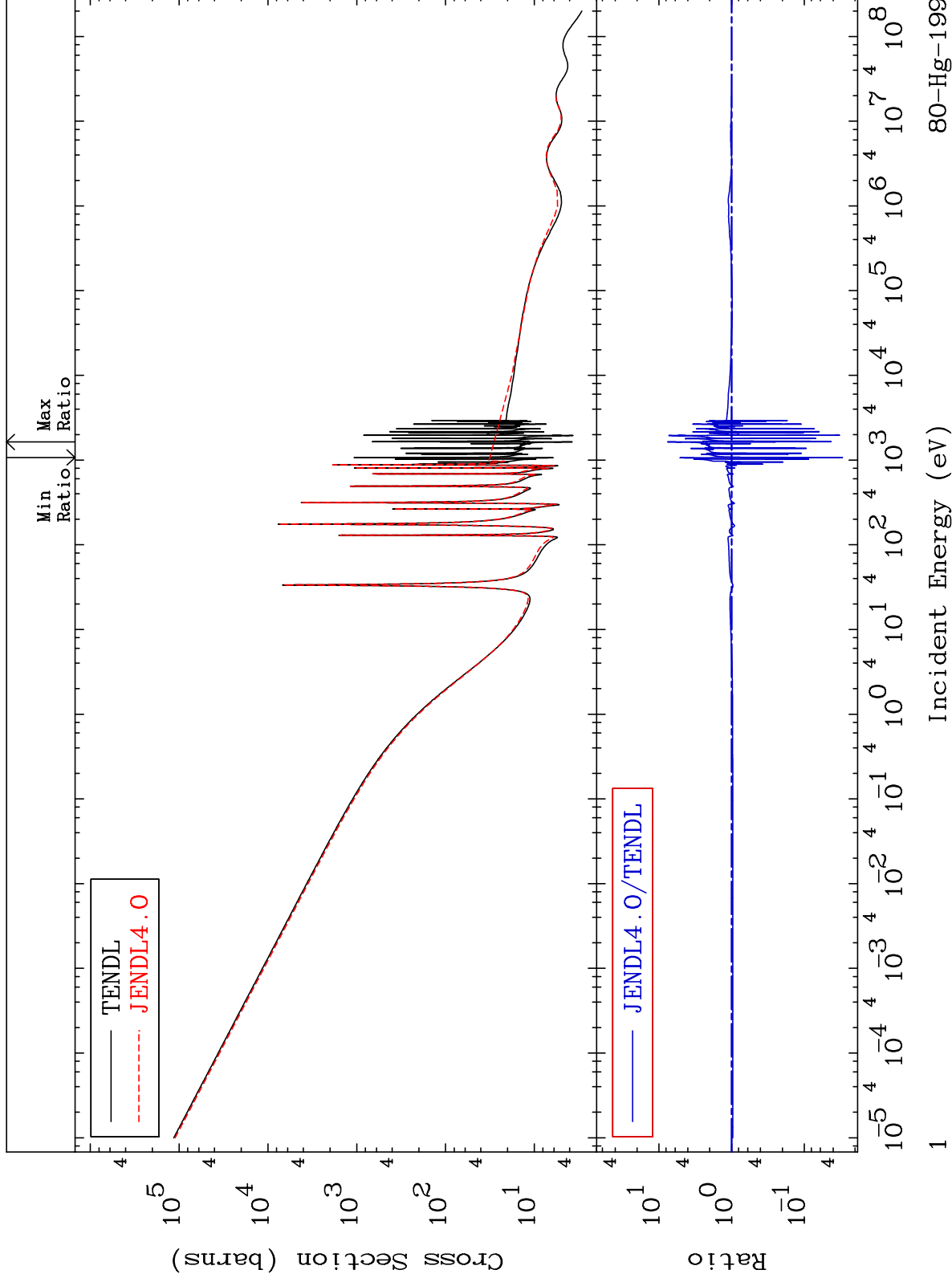
MAT 8034

Total

80-Hg-199

Cross Section

-97.04 To 662.4 %



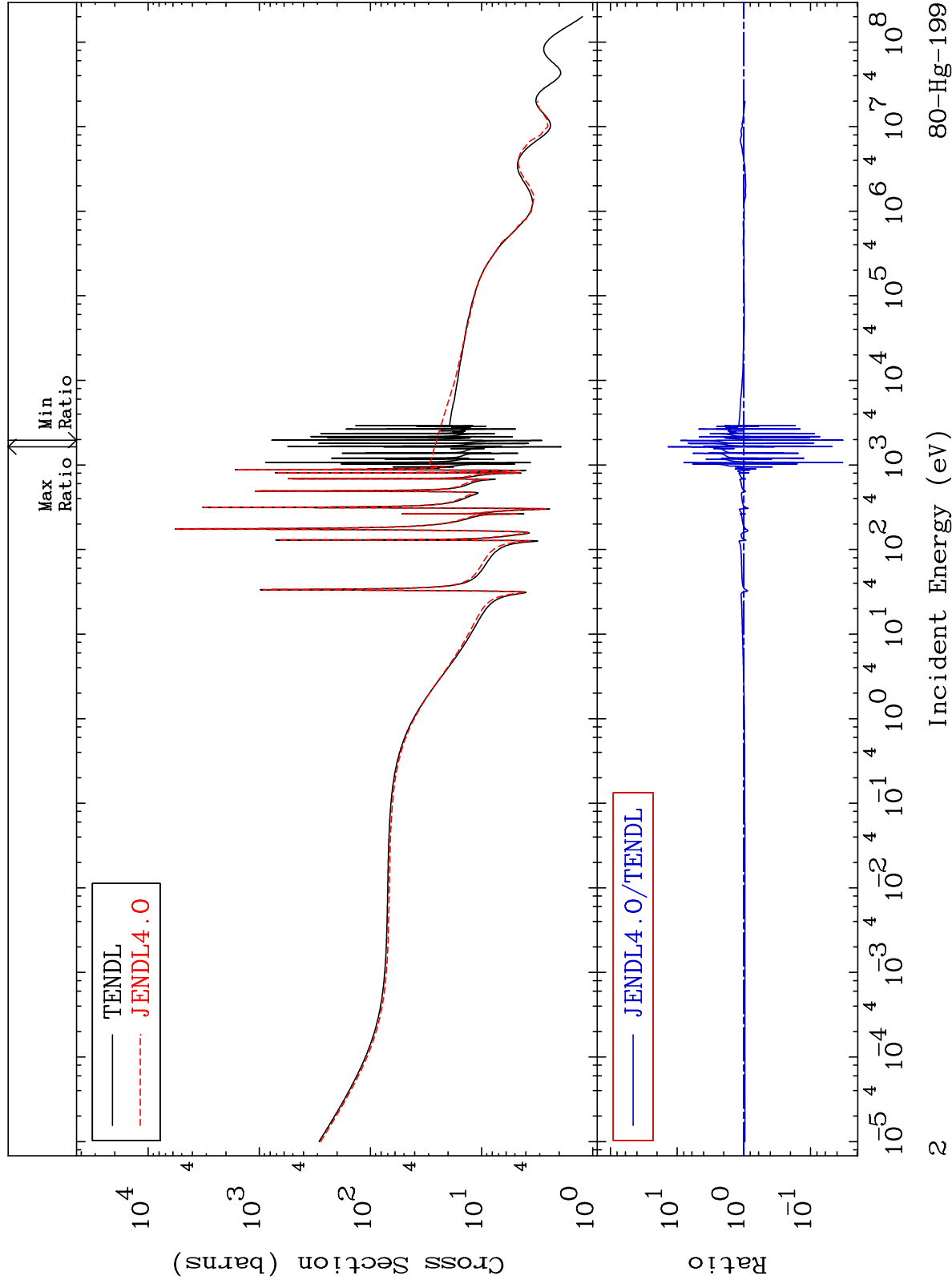
Incident Energy (eV)

80-Hg-199

MAT 8034

Elastic
Cross Section

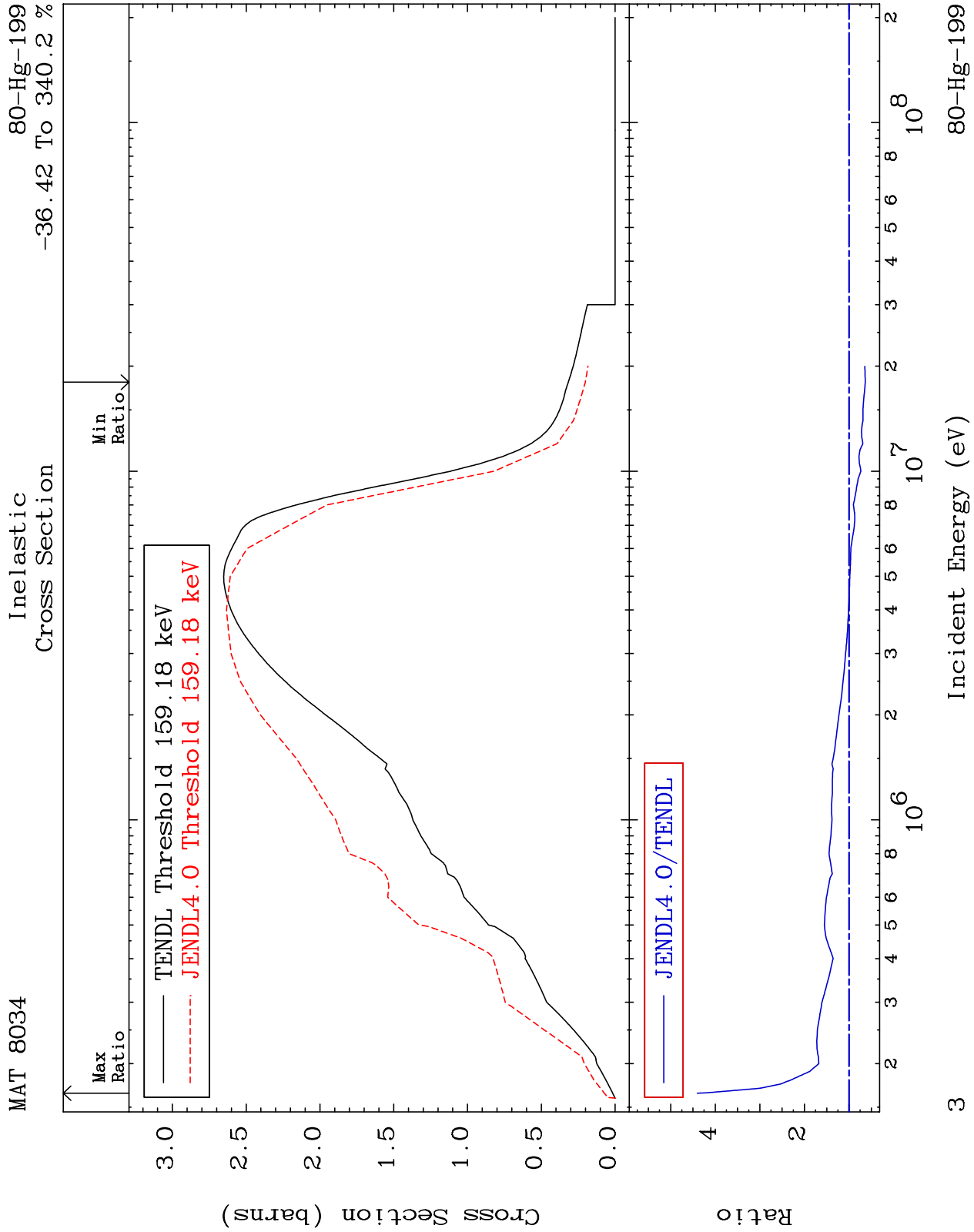
80-Hg-199
-96.72 To 1273. %



80-Hg-199

Incident Energy (eV)

2



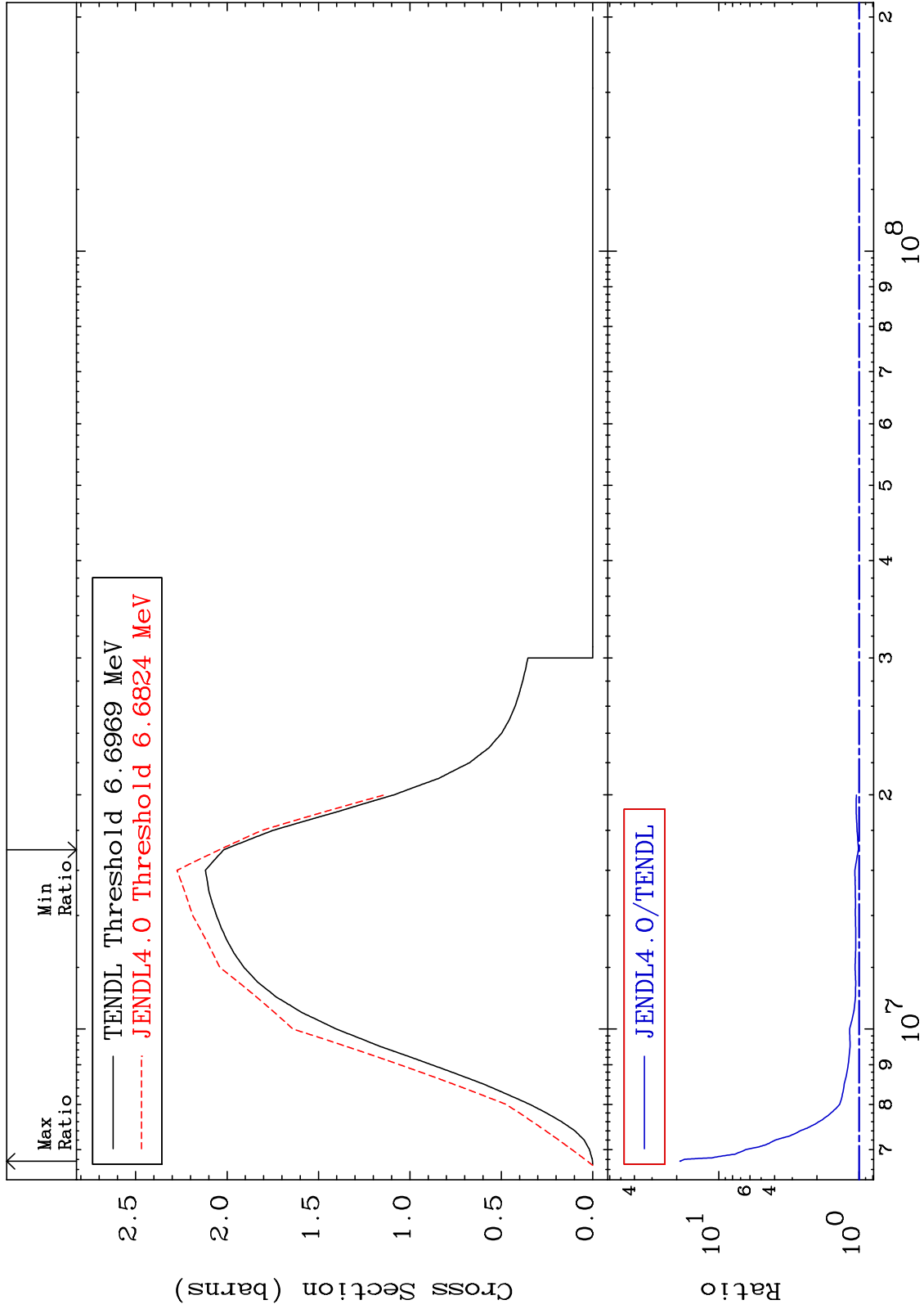
MAT 8034

(n,2n)

80-Hg-199

Cross Section

1.174 To 1793. %



MAT 8034

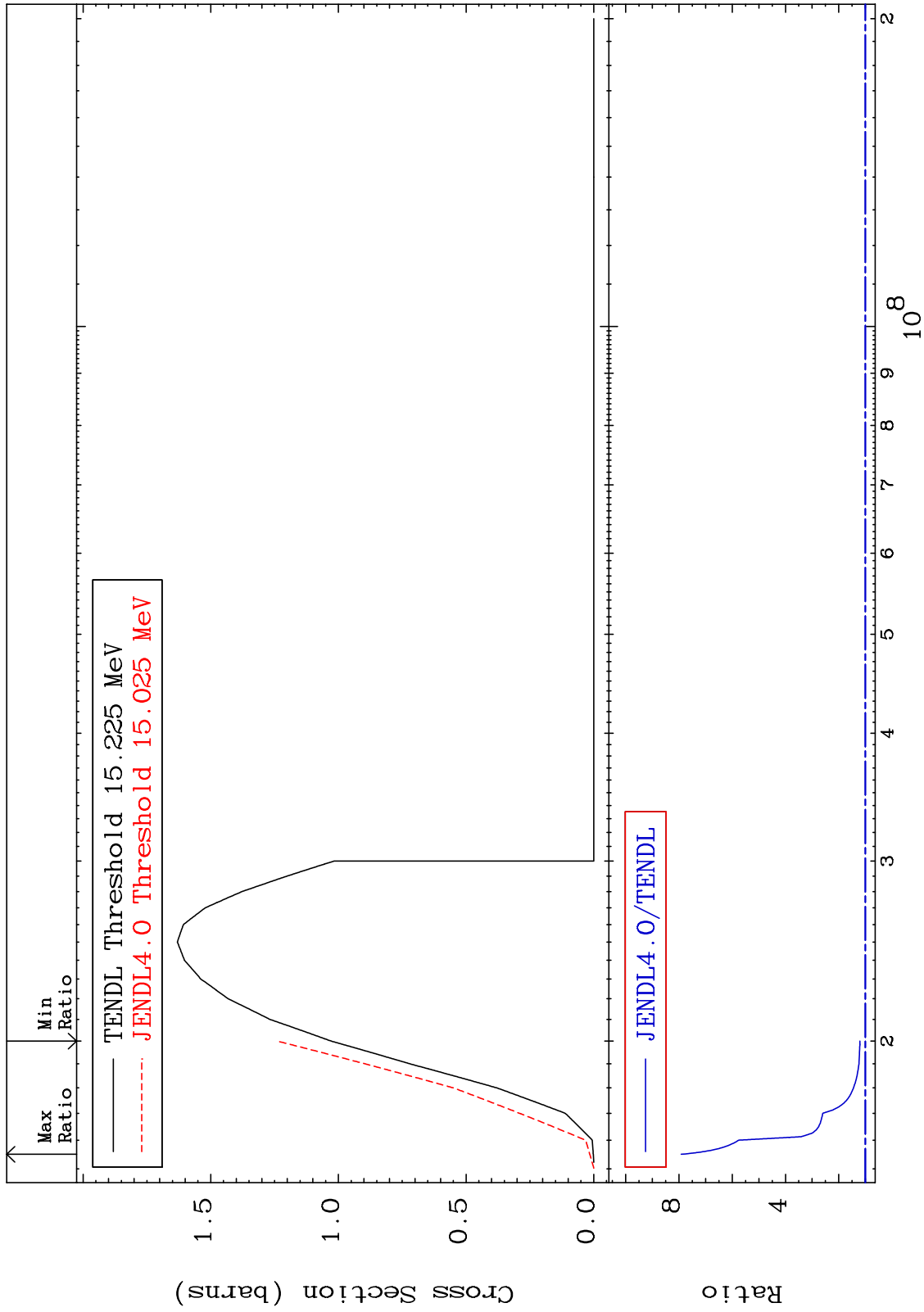
(n,3n)

80-Hg-199

Cross Section

20.55

To 691.4 %



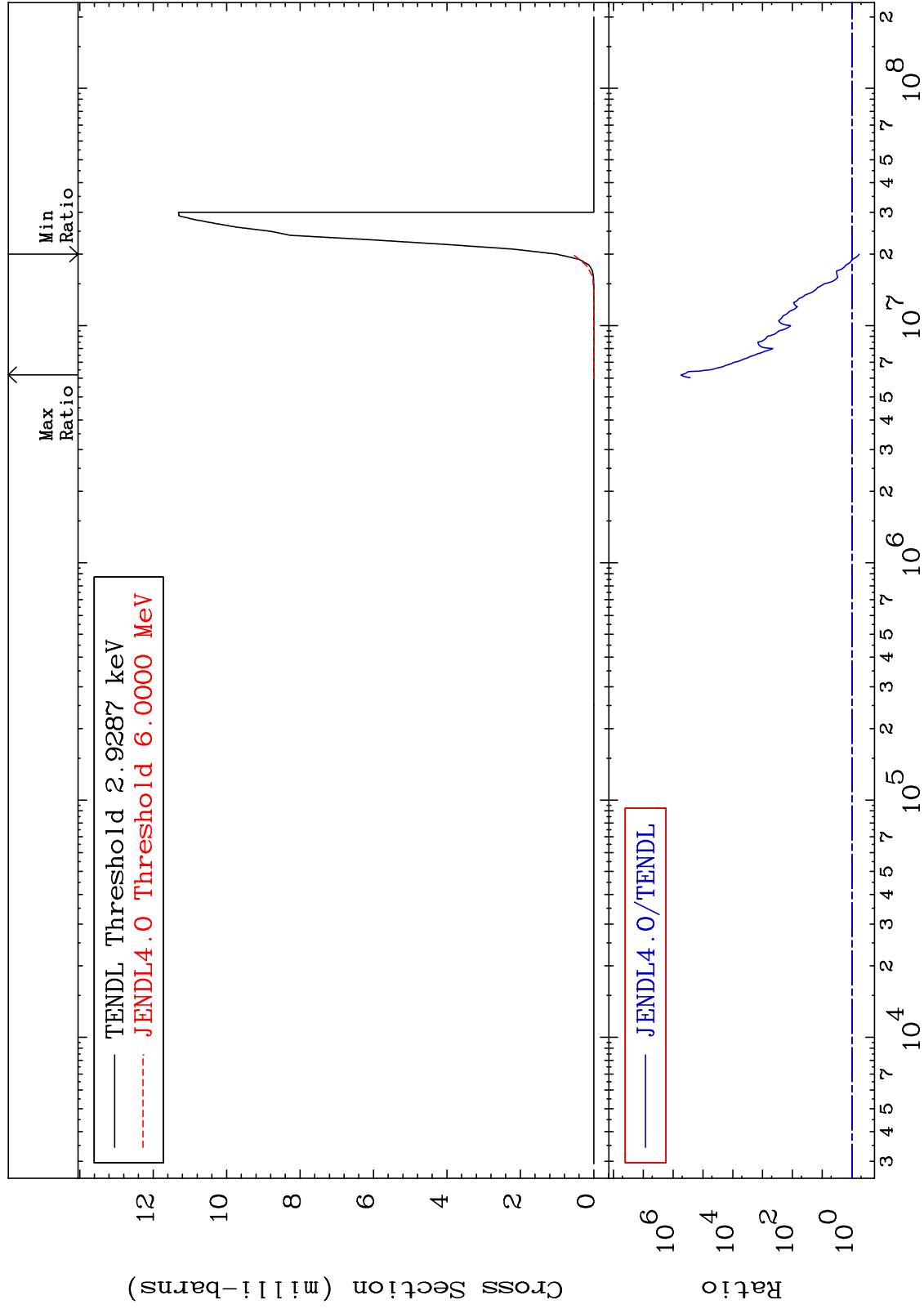
MAT 8034

(n,n') α

Cross Section

80-Hg-199

-42.71 To 9999. %



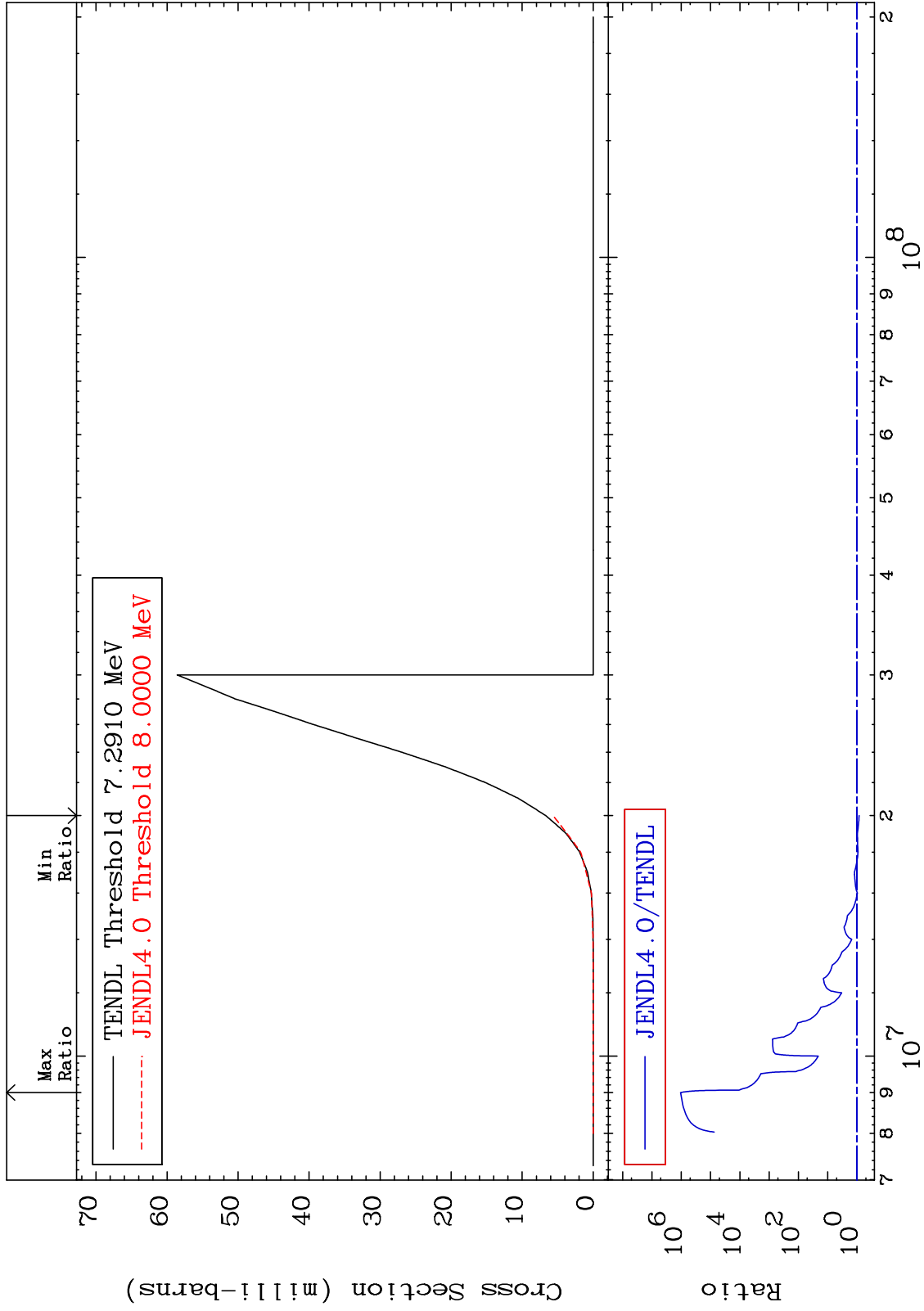
MAT 8034

(n,n') p

80-Hg-199

Cross Section

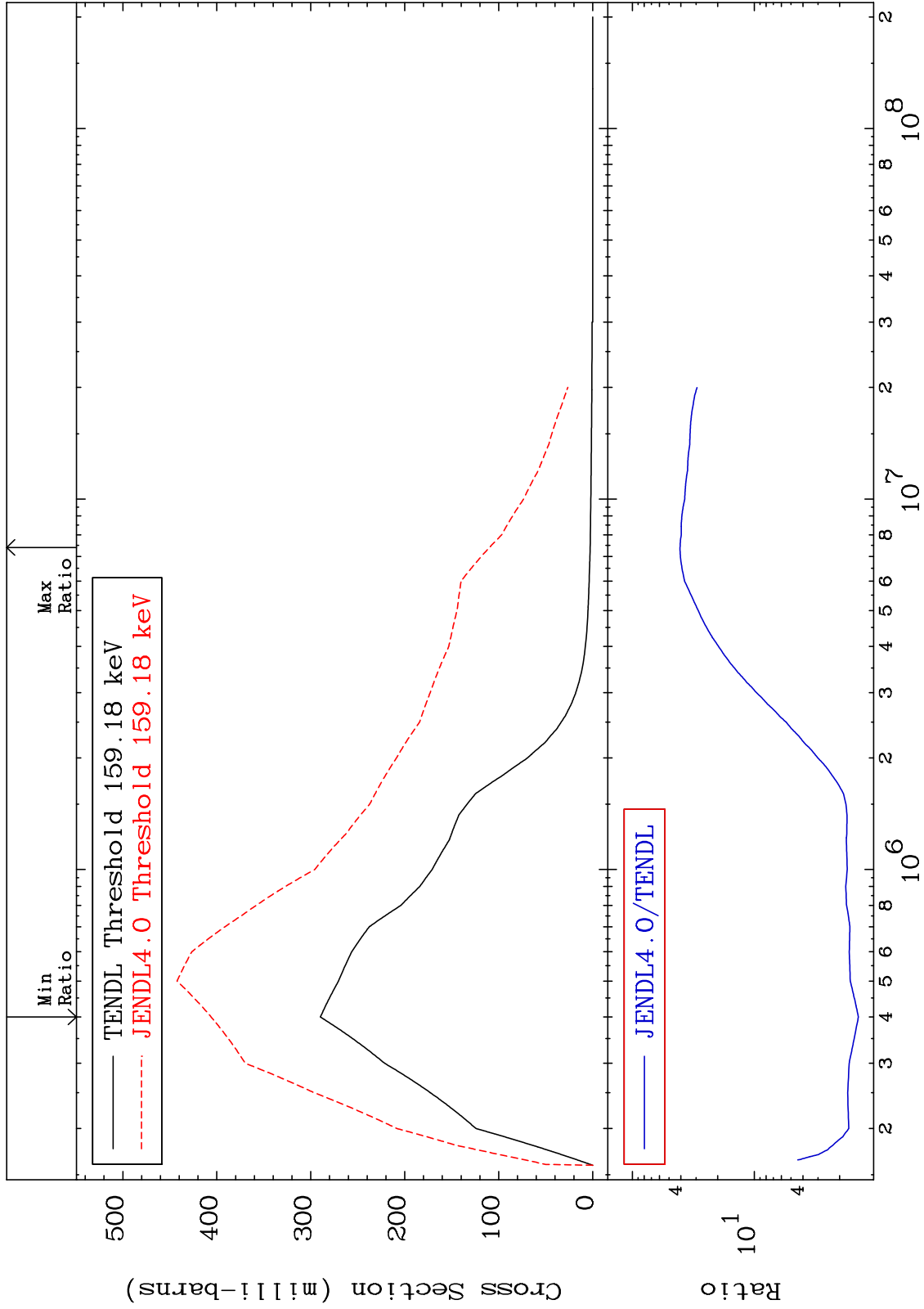
-15.47 To 9999. %



MAT 8034

MT= 51 (n,n') Level
Cross Section

40.10 To 3969. %
80-Hg-199

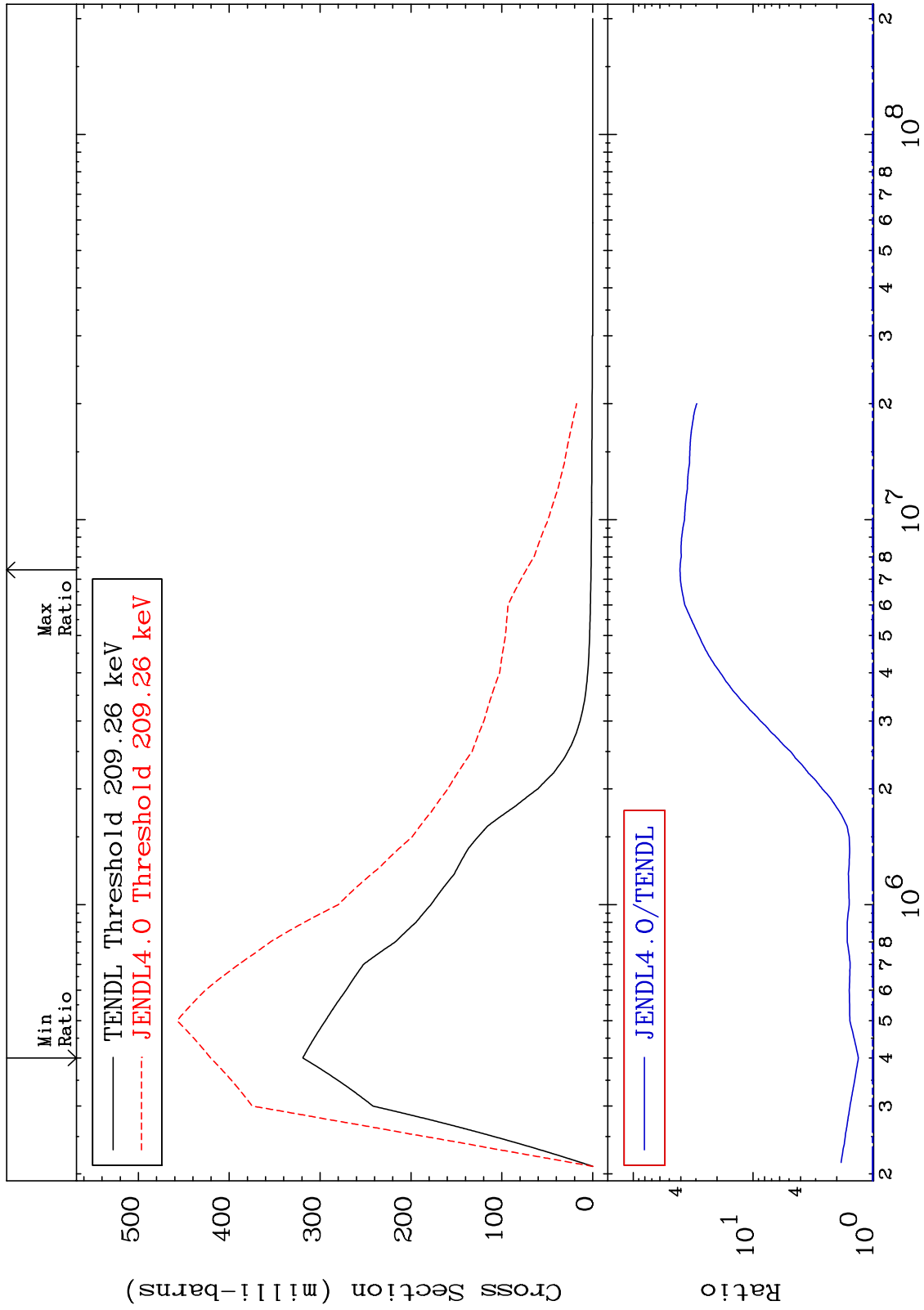


8

Incident Energy (eV)

80-Hg-199

MAT 8034 MT= 52 (n,n') Level Cross Section 80-Hg-199
 31.78 To 3968. %

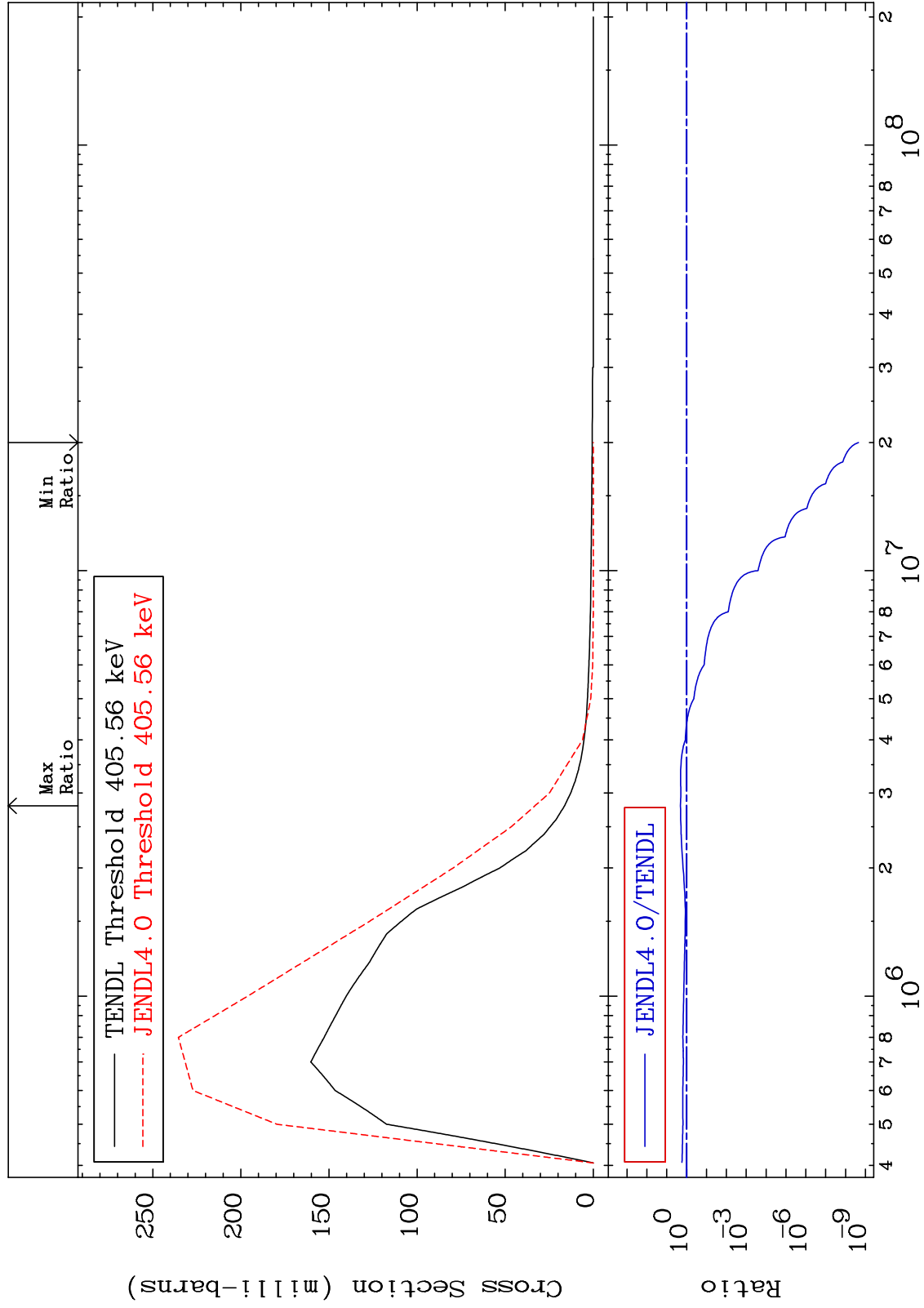


9 80-Hg-199

MAT 8034

MT= 53 (n,n') Level
Cross Section

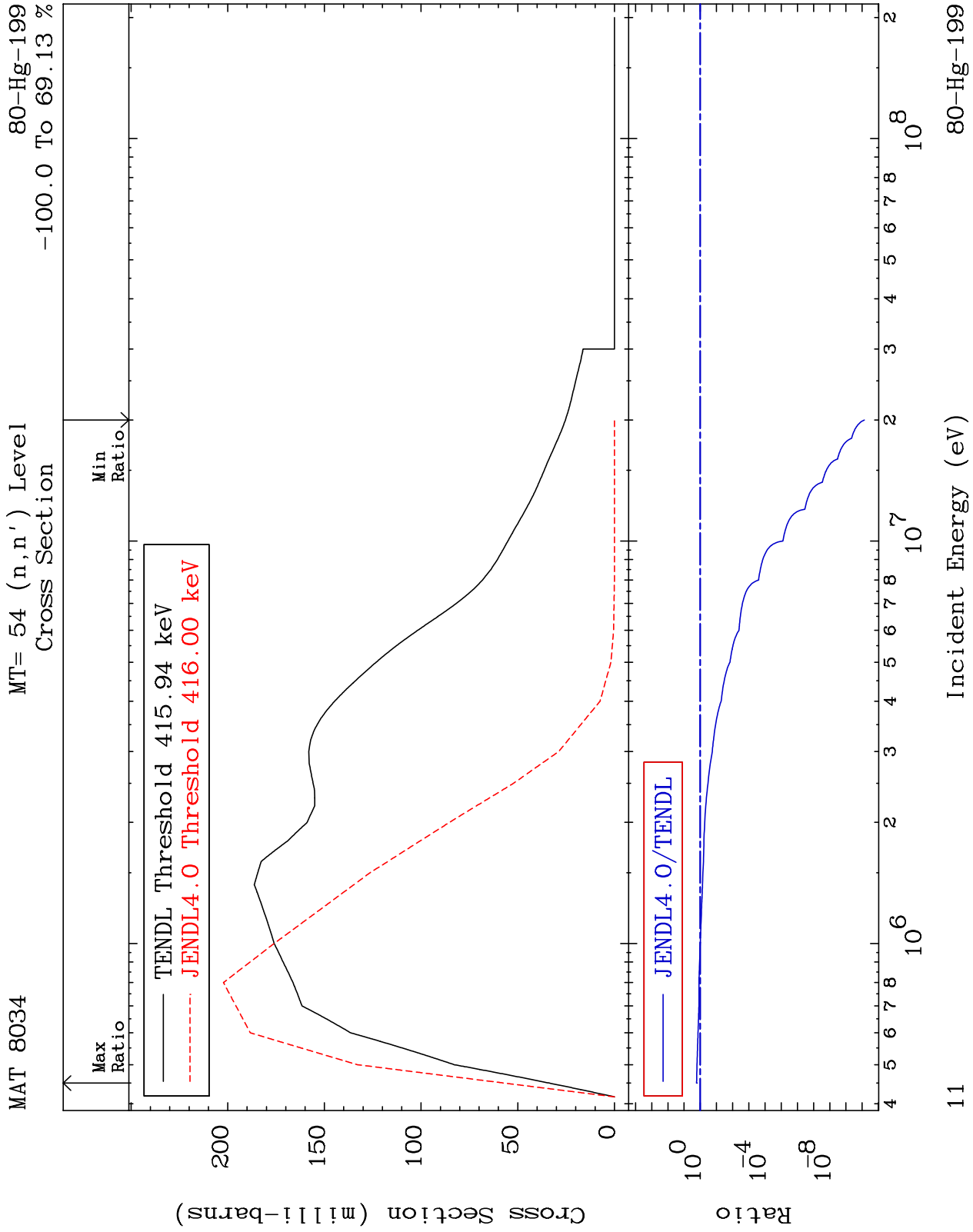
80-Hg-199
-100.0 To 103.6 %

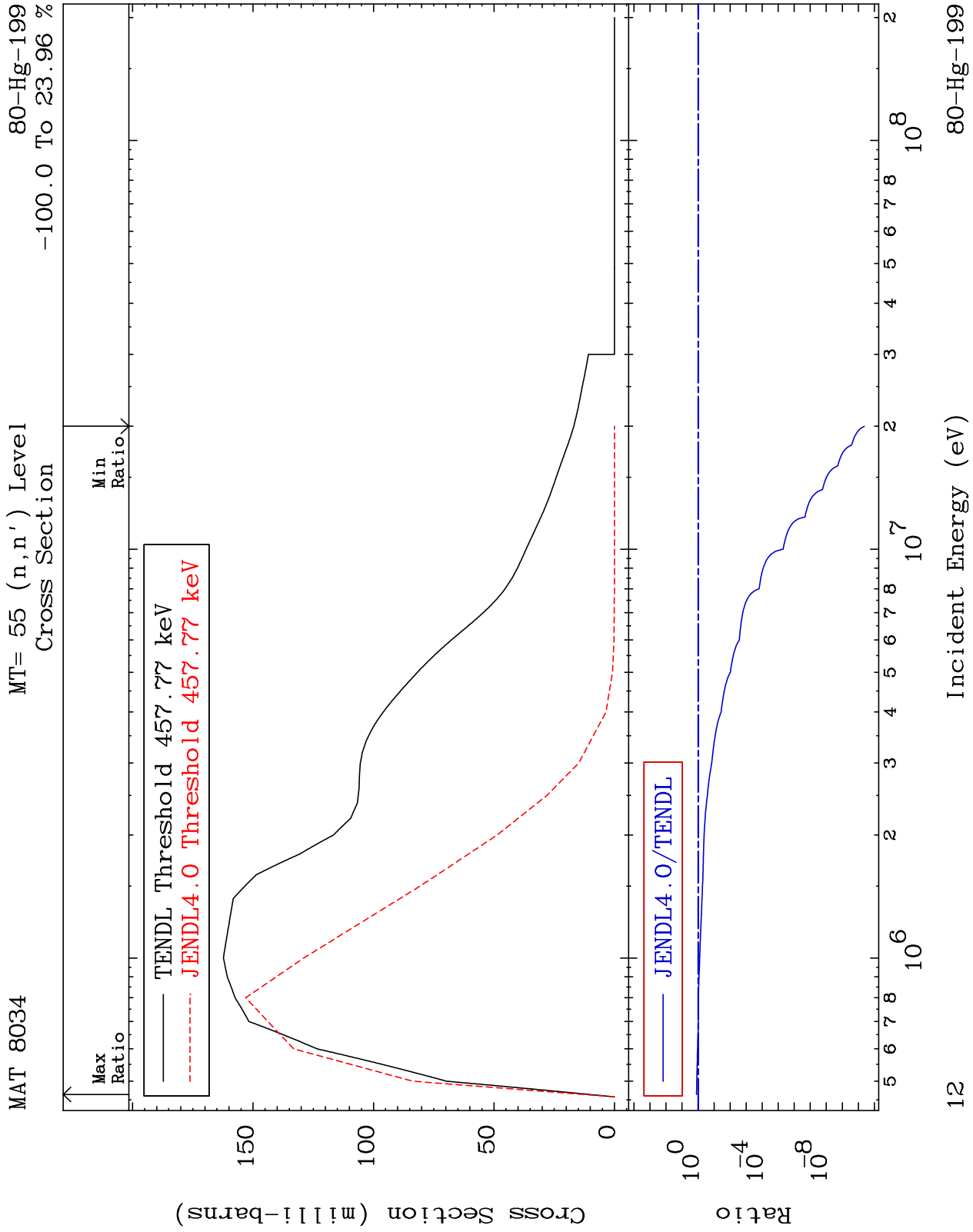


10

Incident Energy (eV)

80-Hg-199

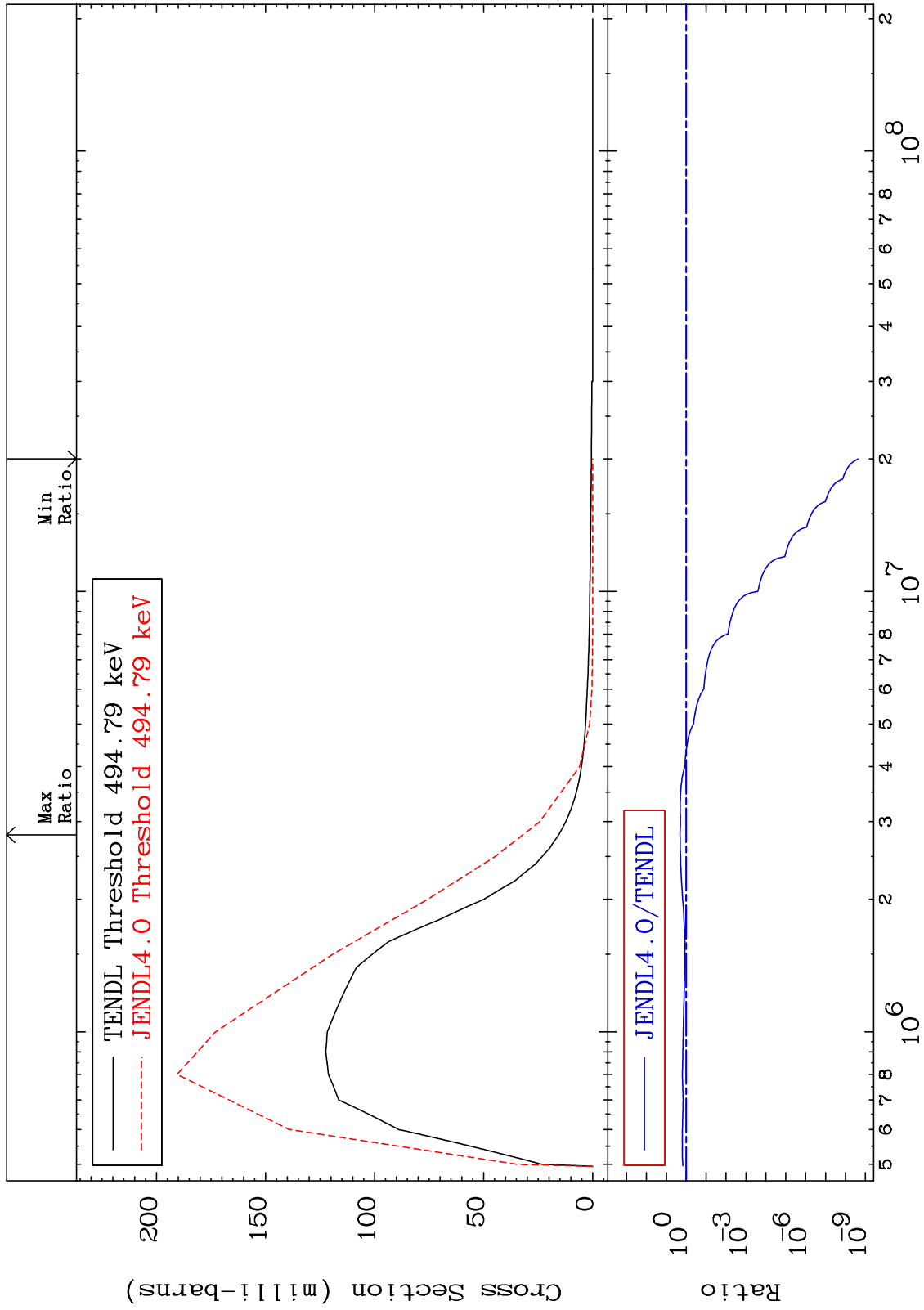




MAT 8034

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

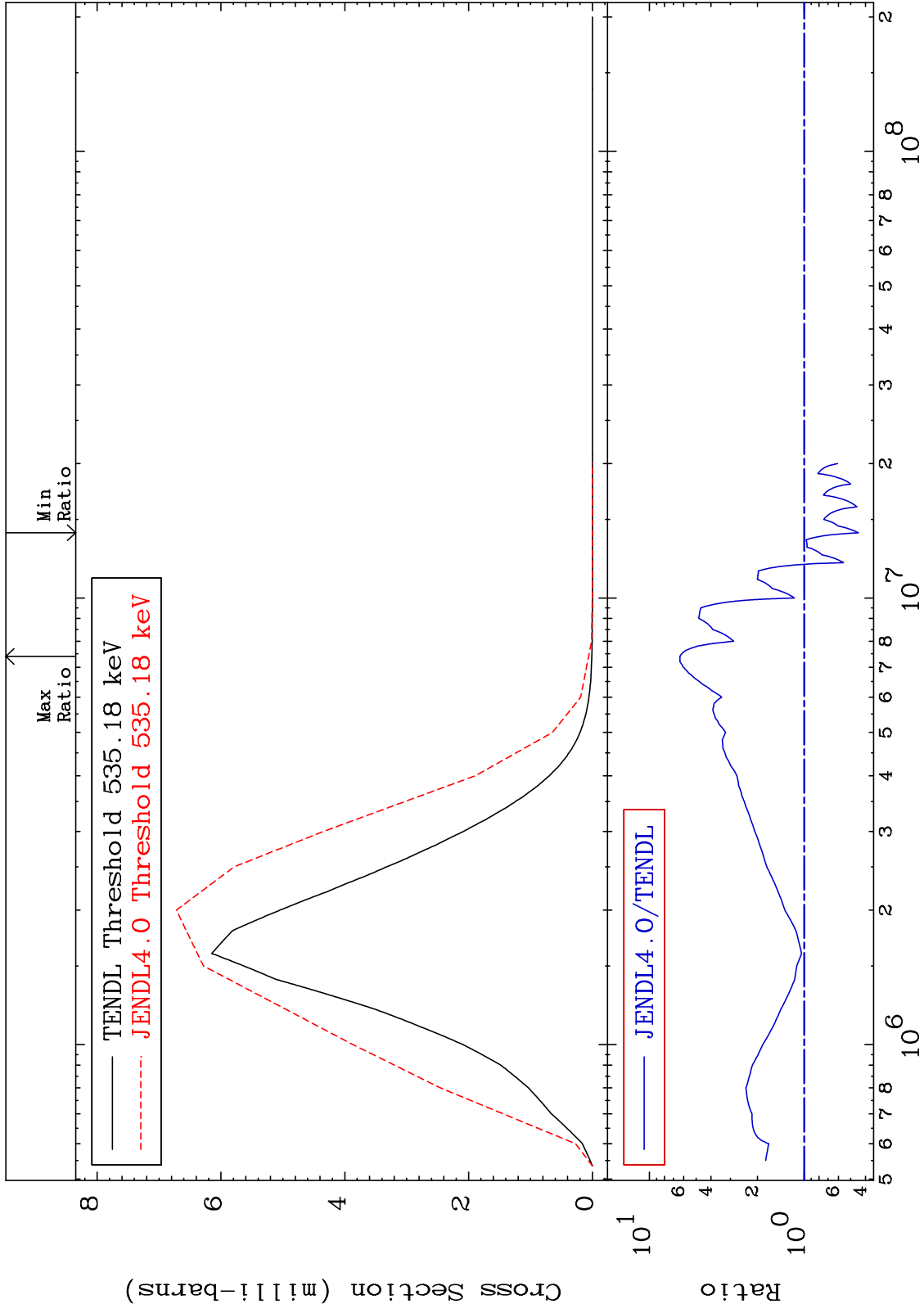
80-Hg-199
-100.0 To 106.0 %



MAT 8034

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

80-Hg-199
-55.43 To 536.5 %



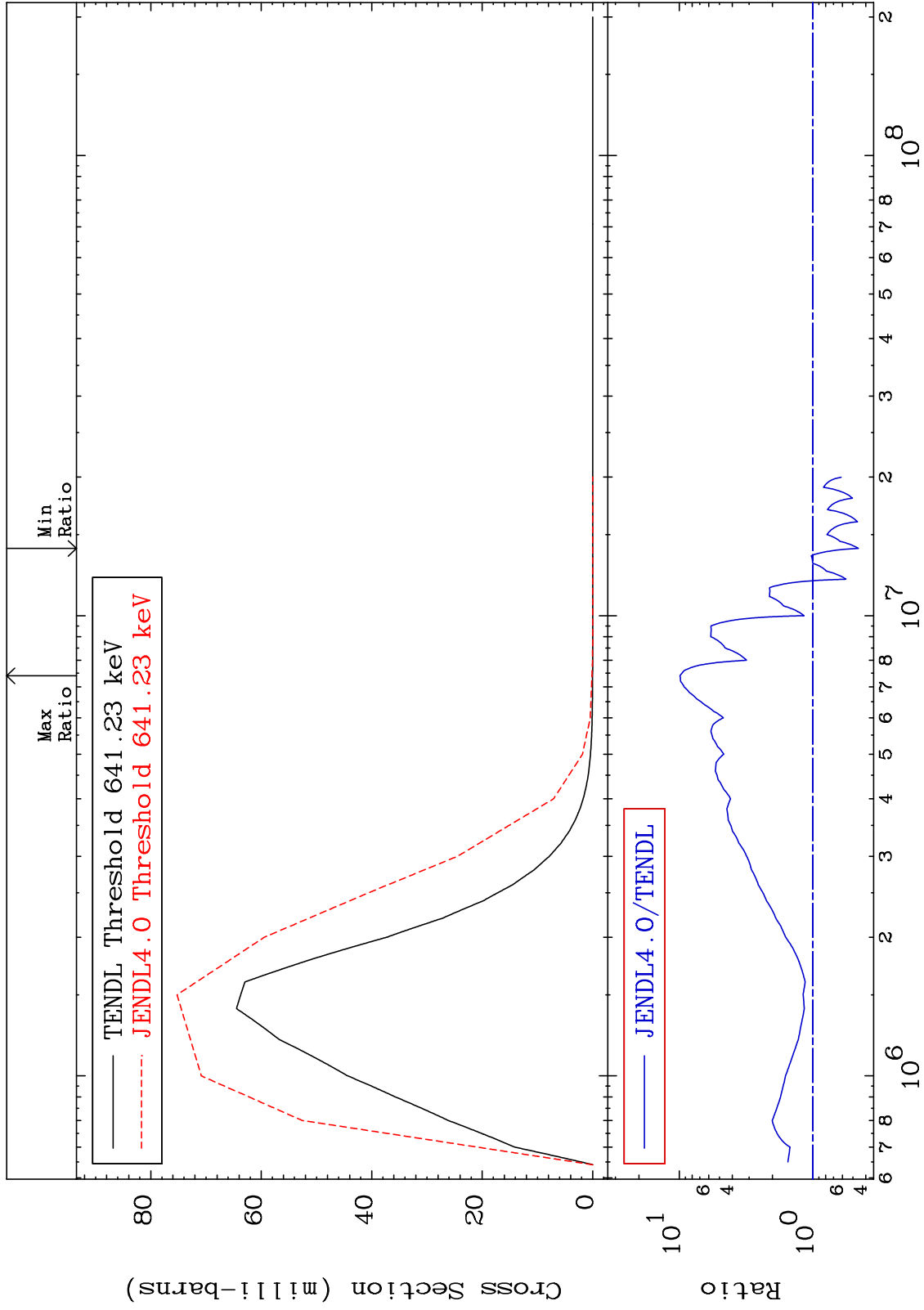
MAT 8034

MT= 58 (n,n') Level

80-Hg-199

-54.51 To 886.1 %

Cross Section



15

80-Hg-199

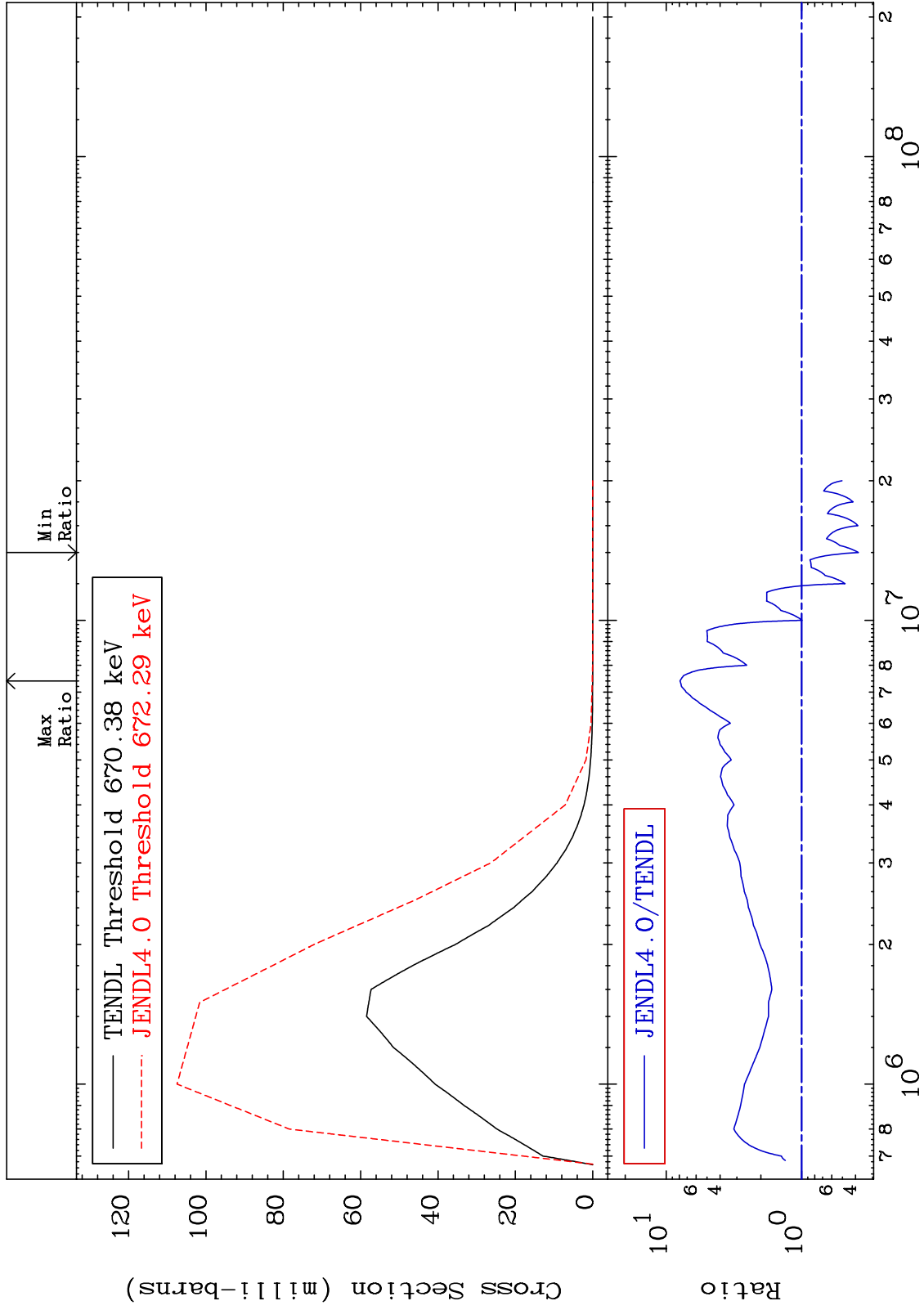
MAT 8034

MT= 59 (n,n') Level

80-Hg-199

-61.90 To 689.5 %

Cross Section



16

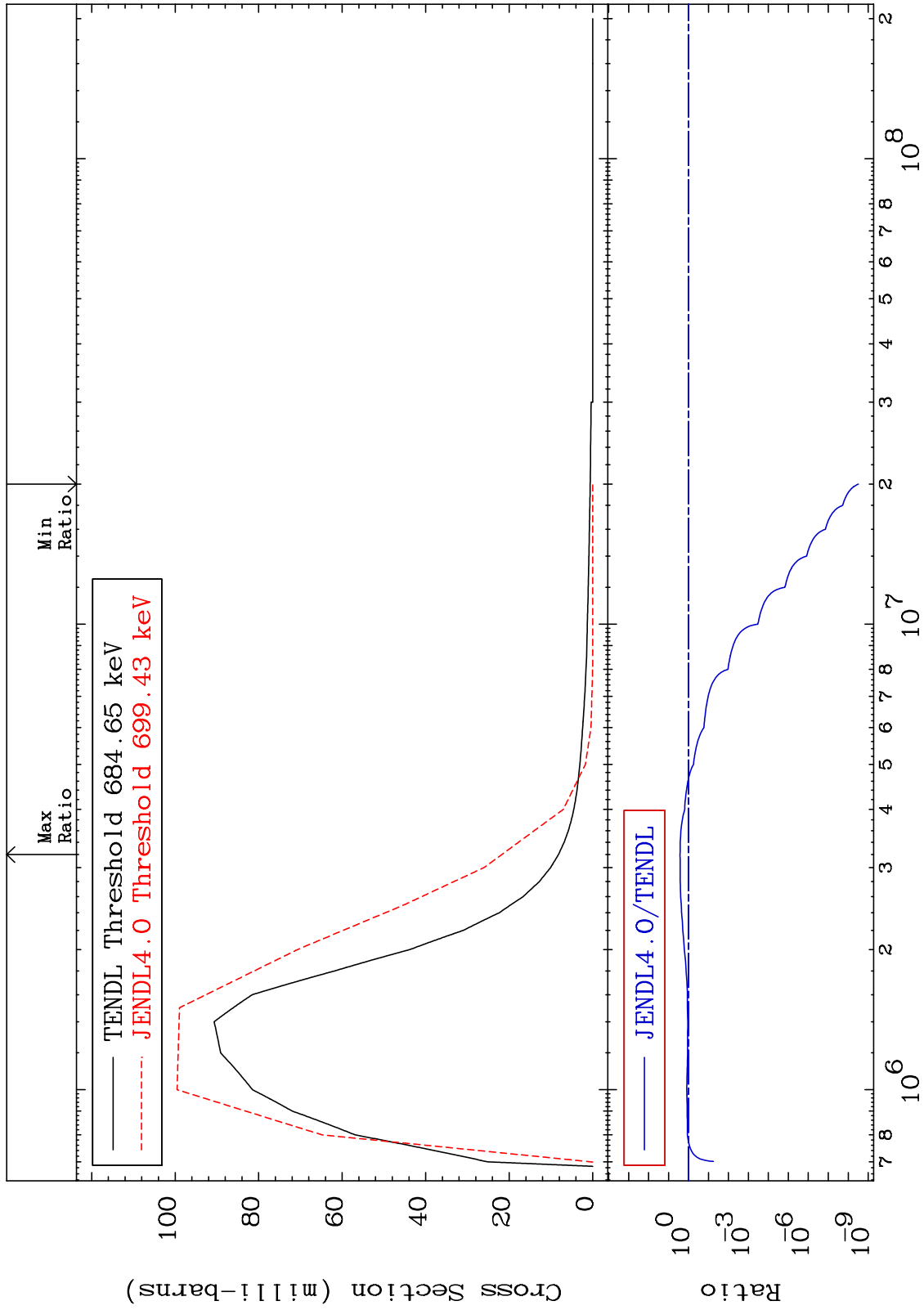
80-Hg-199

80-Hg-199

MAT 8034

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

80-Hg-199
-100.0 To 165.9 %



17

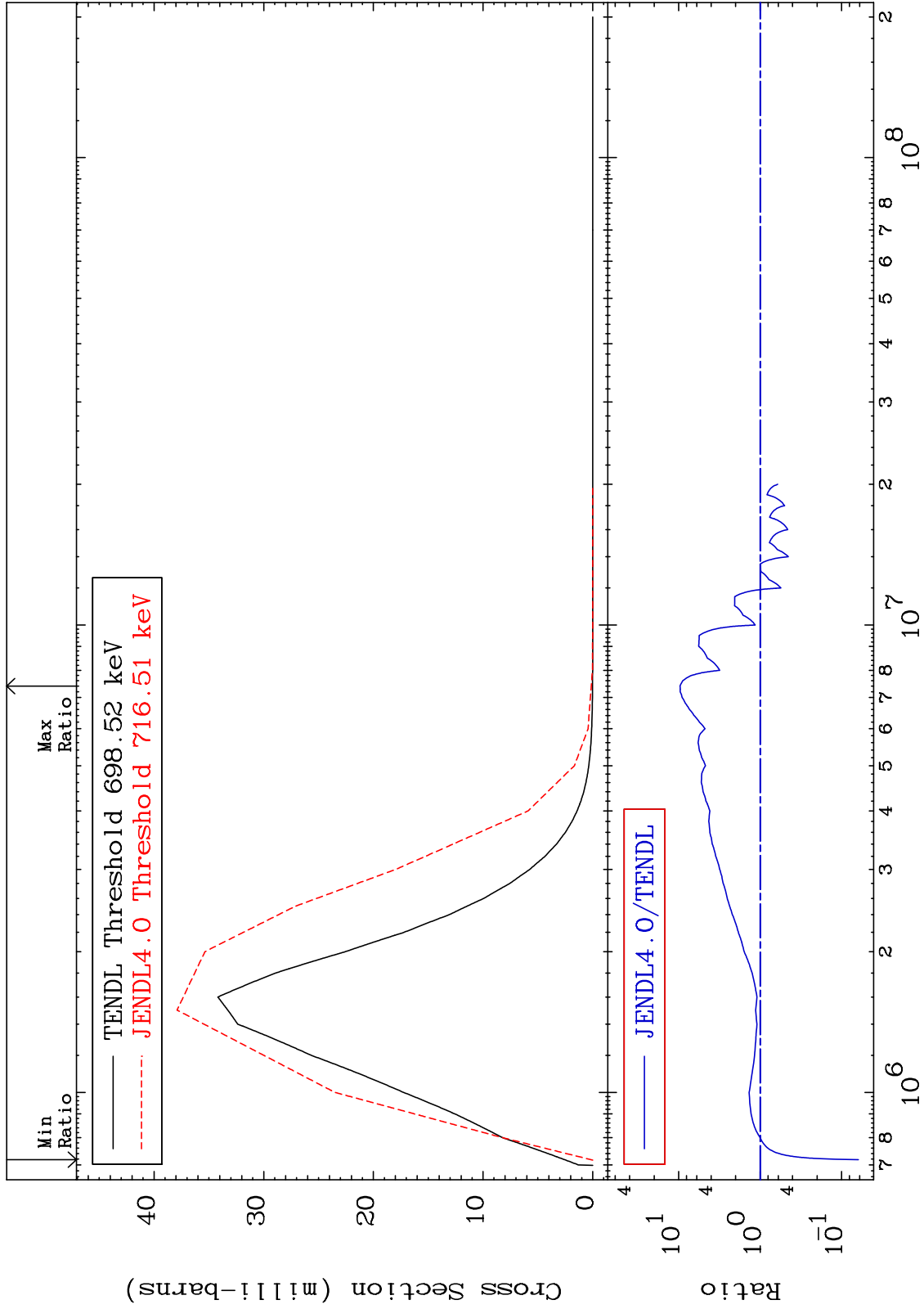
Incident Energy (eV)

80-Hg-199

MAT 8034

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

80-Hg-199
-93.78 To 862.3 %



18

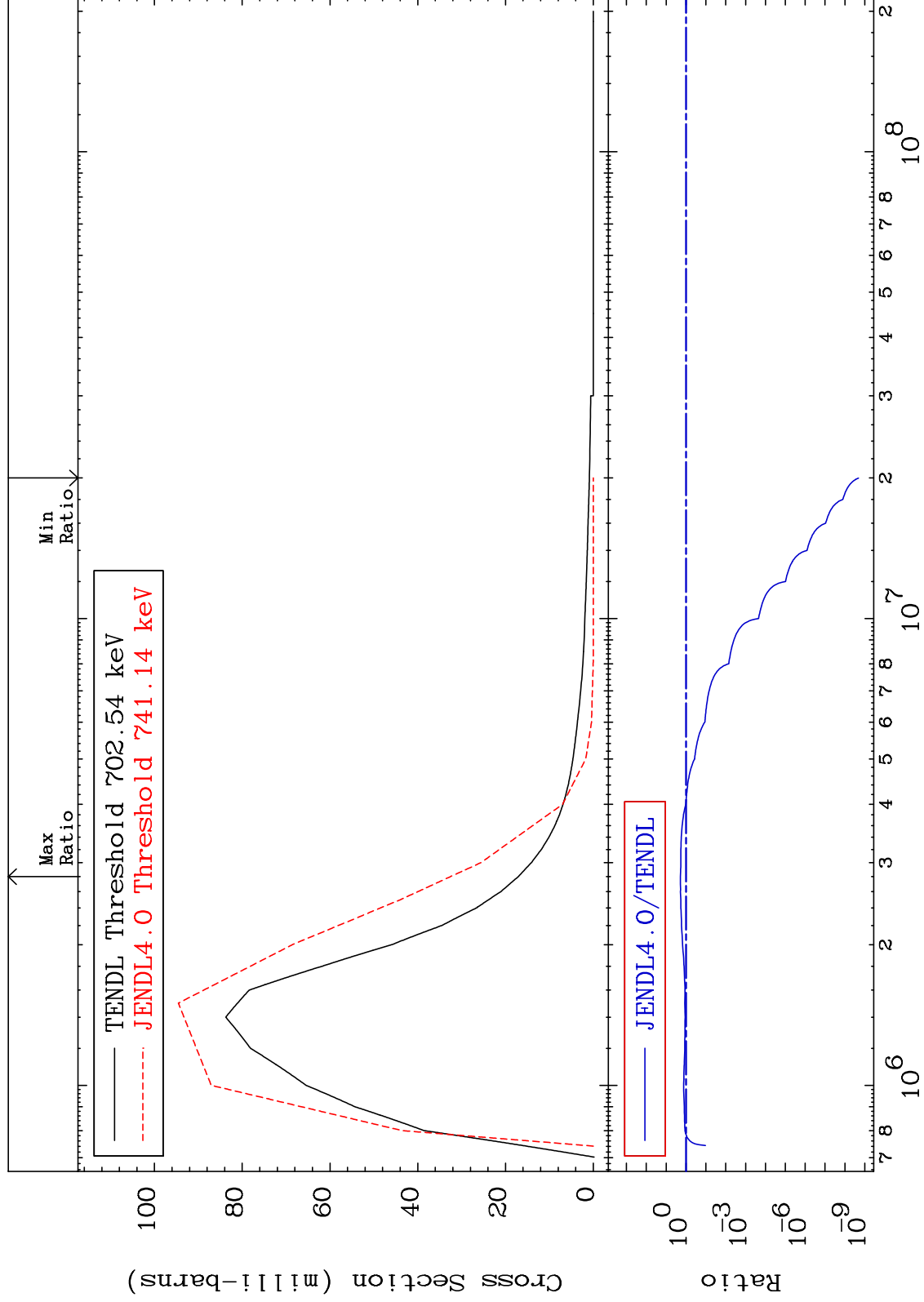
Incident Energy (eV)

80-Hg-199

MAT 8034

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

80-Hg-199
-100.0 To 90.79 %



19

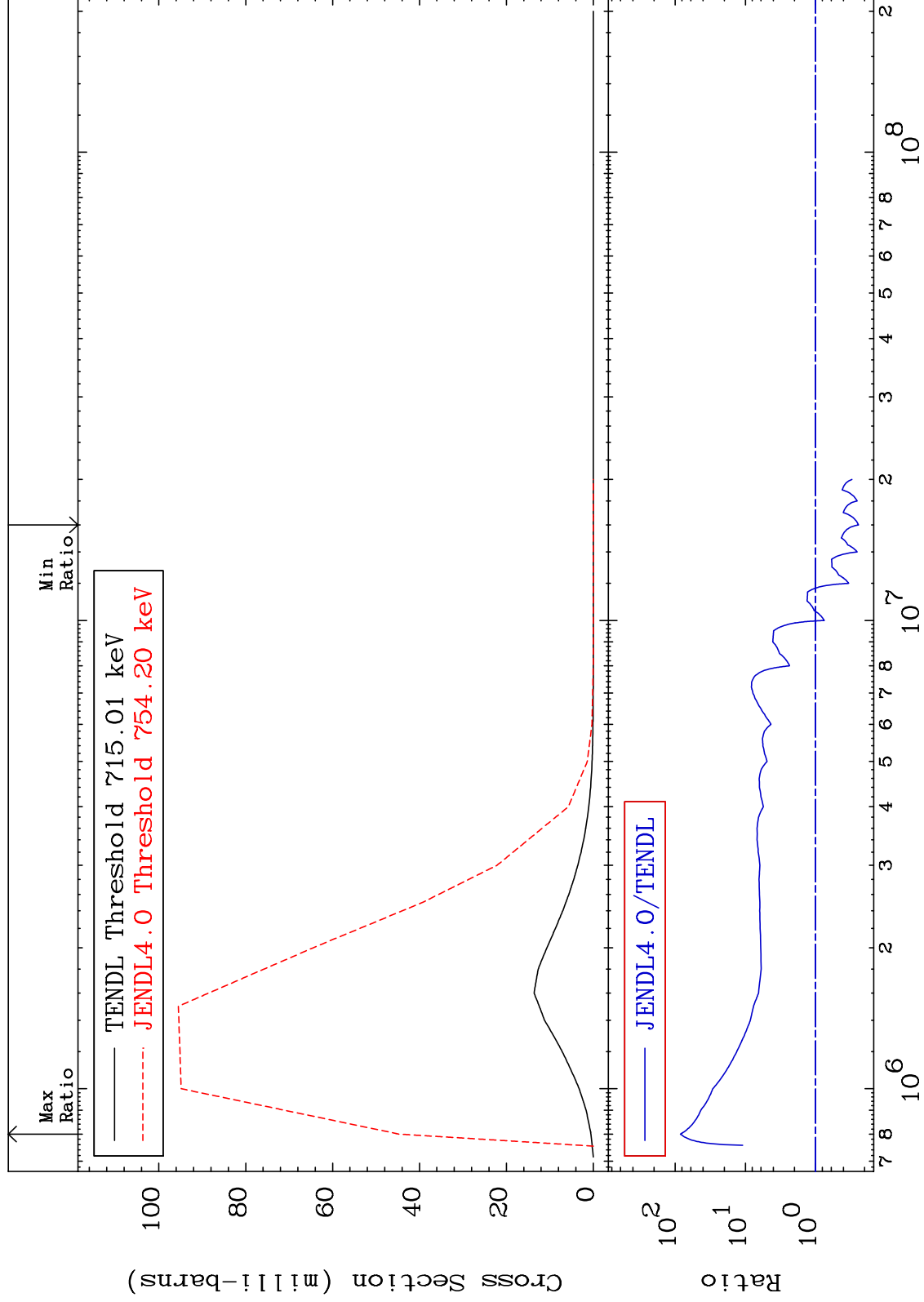
Incident Energy (eV)

80-Hg-199

MAT 8034

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

80-Hg-199
-75.53 To 8315. %



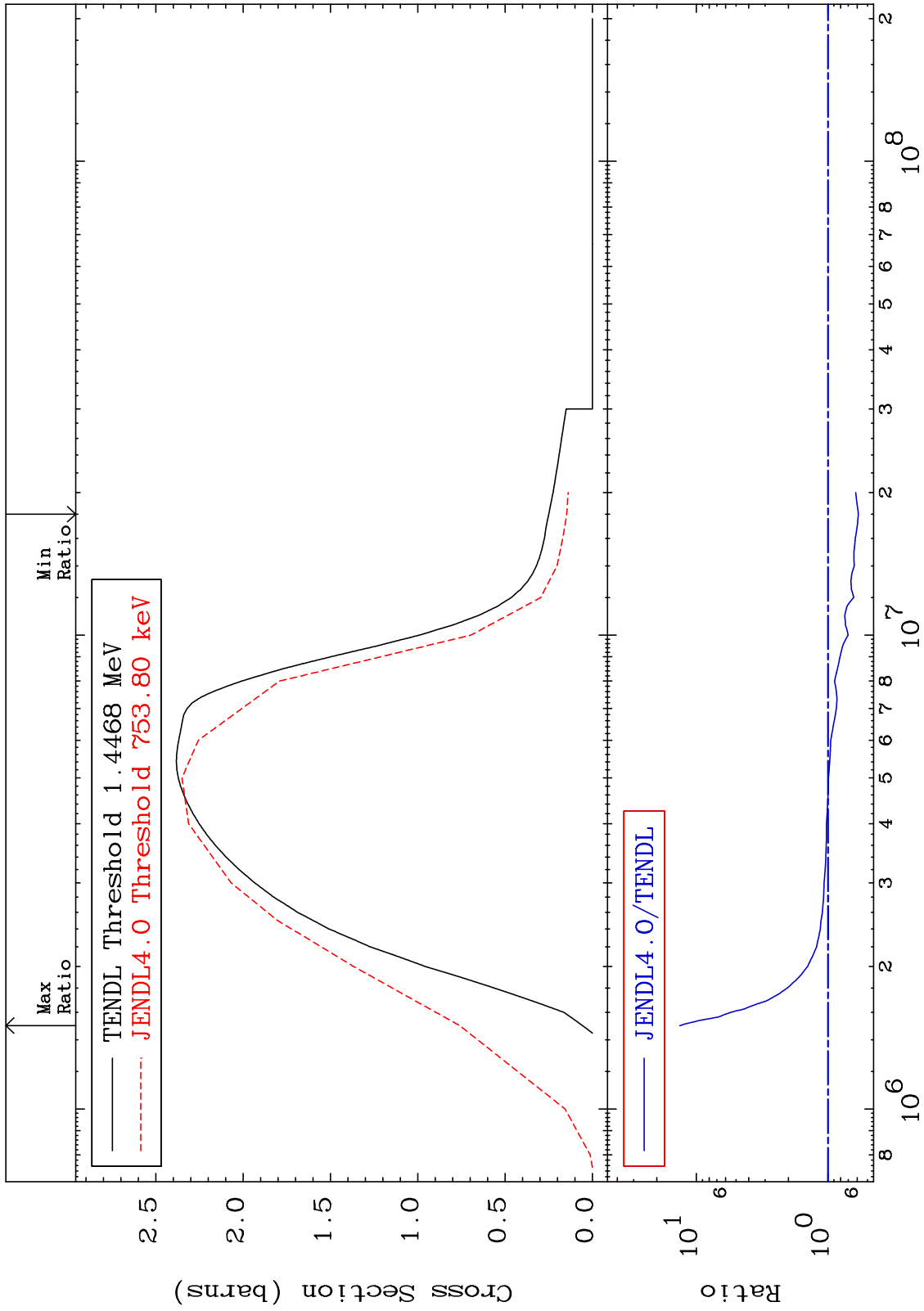
20

80-Hg-199

MAT 8034

(n, n') Continuum
Cross Section

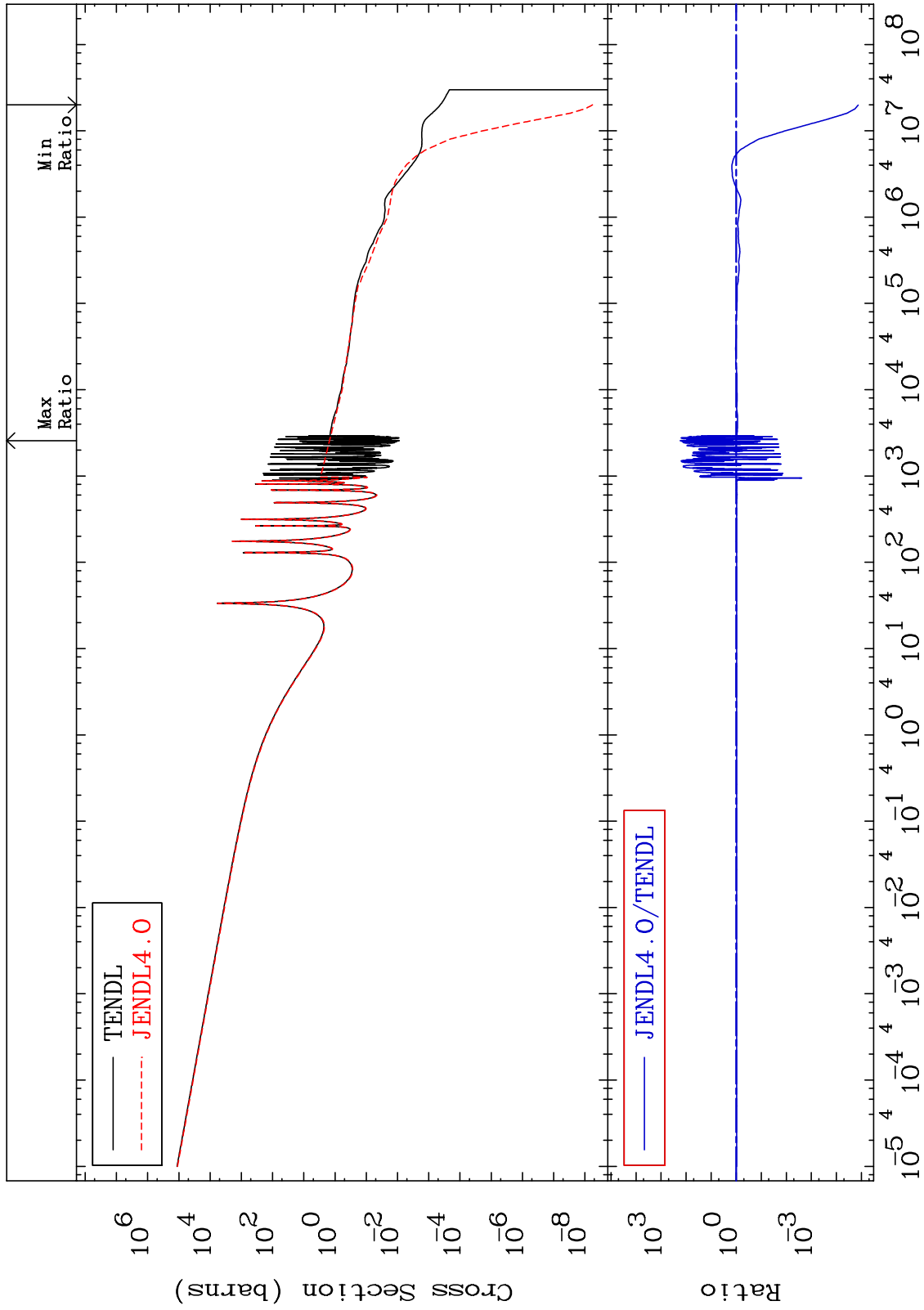
80-Hg-199
-41.27 To 1237. %



MAT 8034

(n, γ)
Cross Section

80-Hg-199
-100.0 To 9999. %



22

Incident Energy (eV)

80-Hg-199

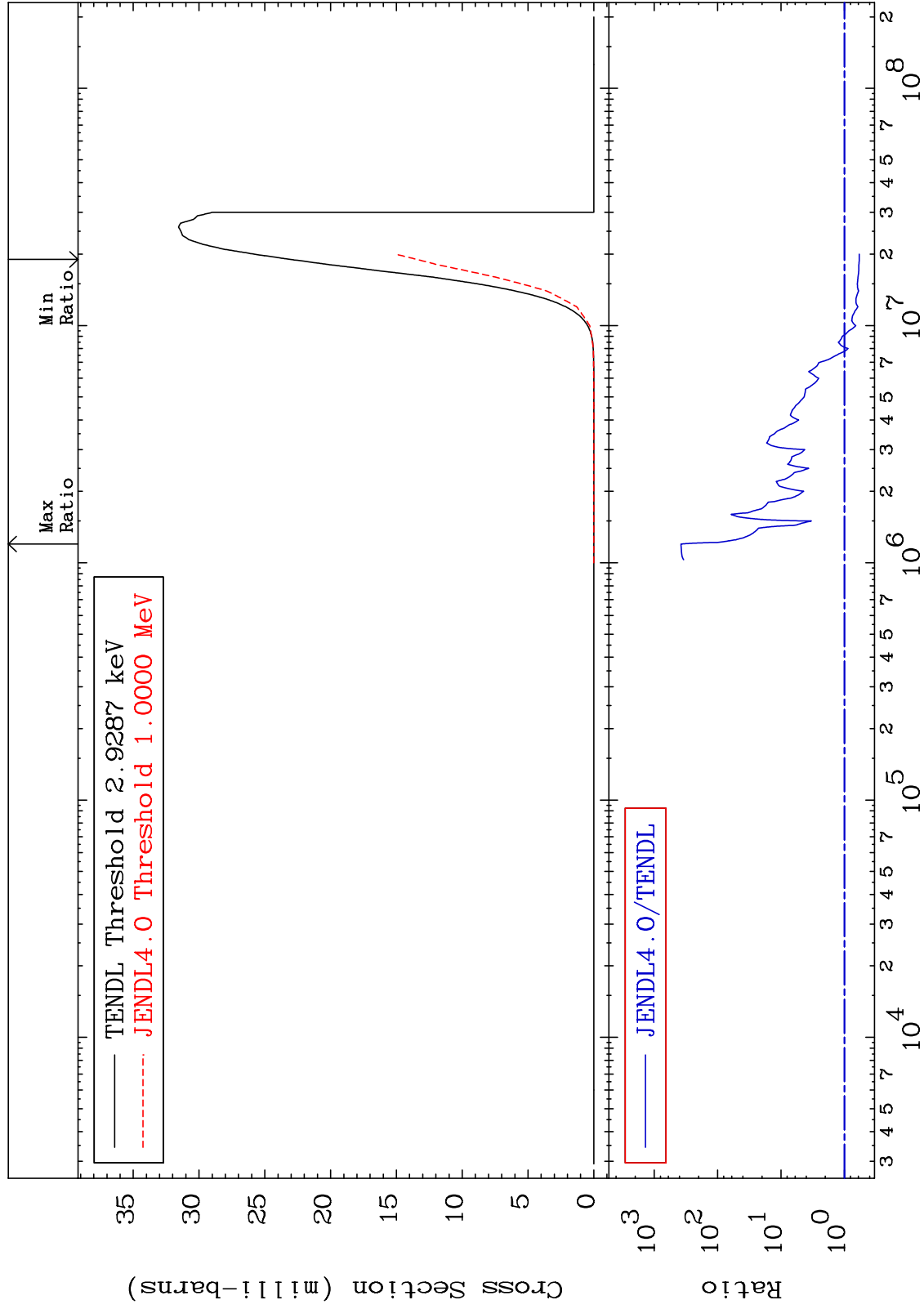
MAT 8034

(n, p)

80-Hg-199

Cross Section

-41.78 To 9999. %



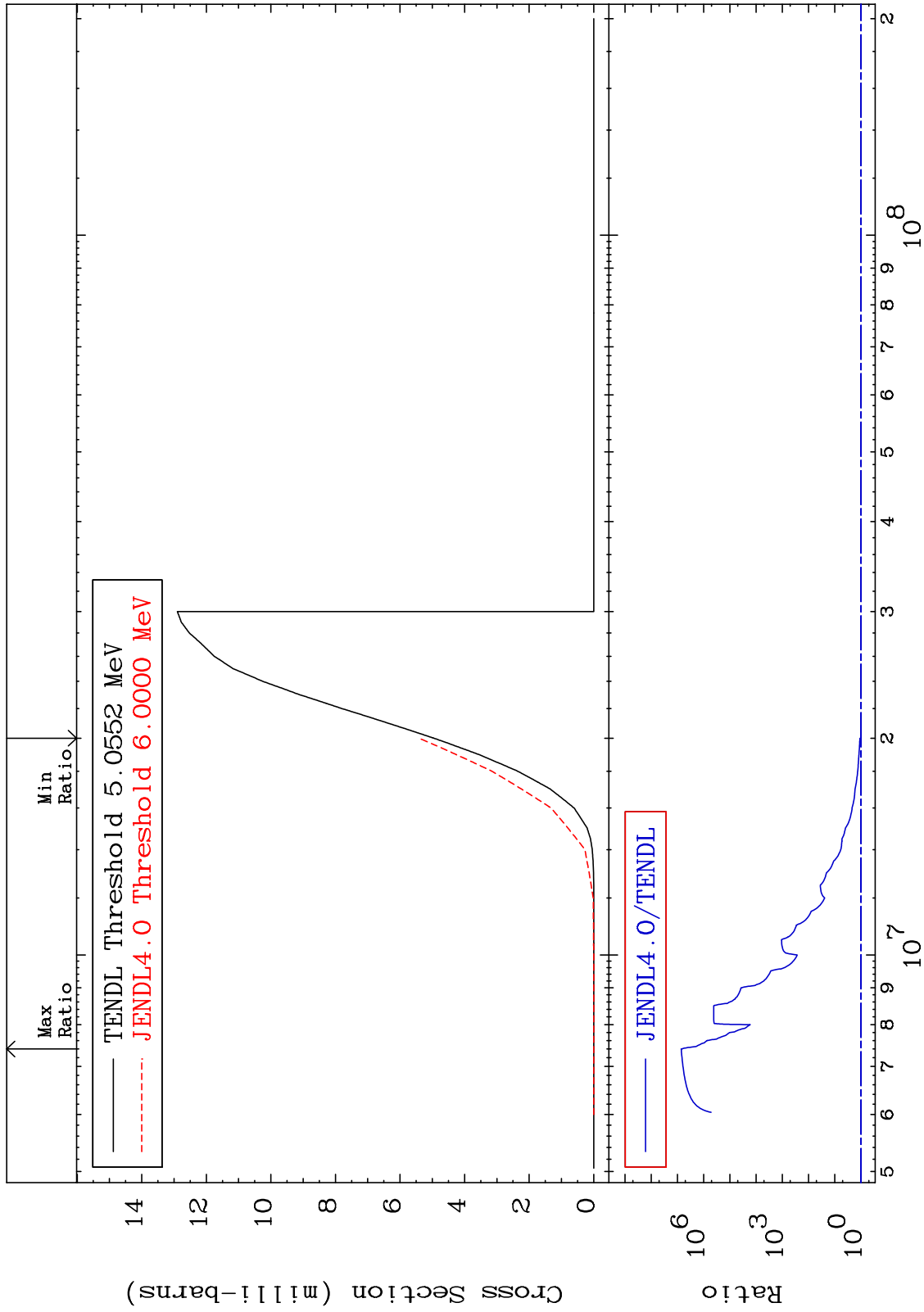
MAT 8034

(n, d)

80-Hg-199

Cross Section

9.263 To 9999. %



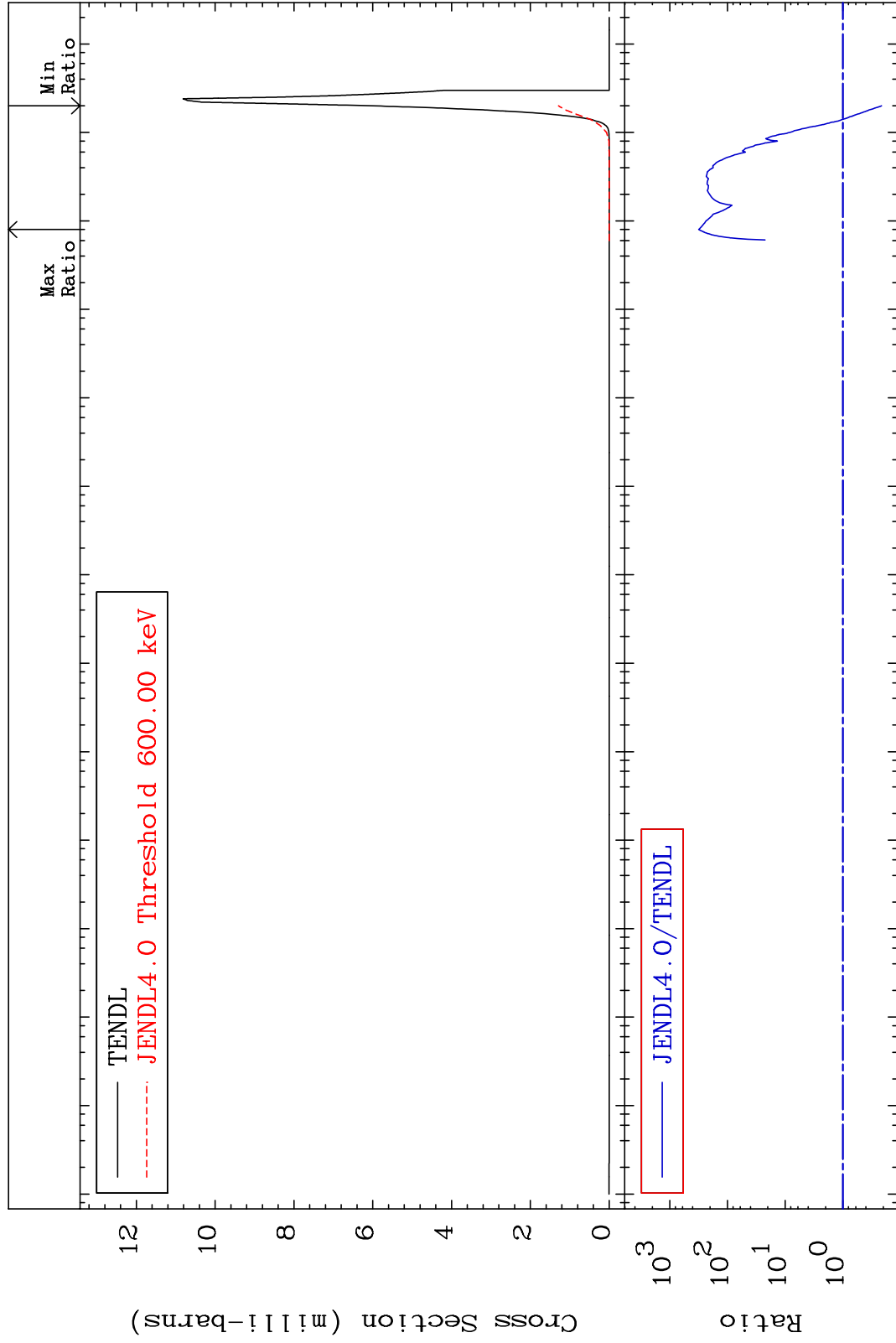
MAT 8034

(n, α)

80-Hg-199

Cross Section

-78.60 To 9999. %



Incident Energy (eV)

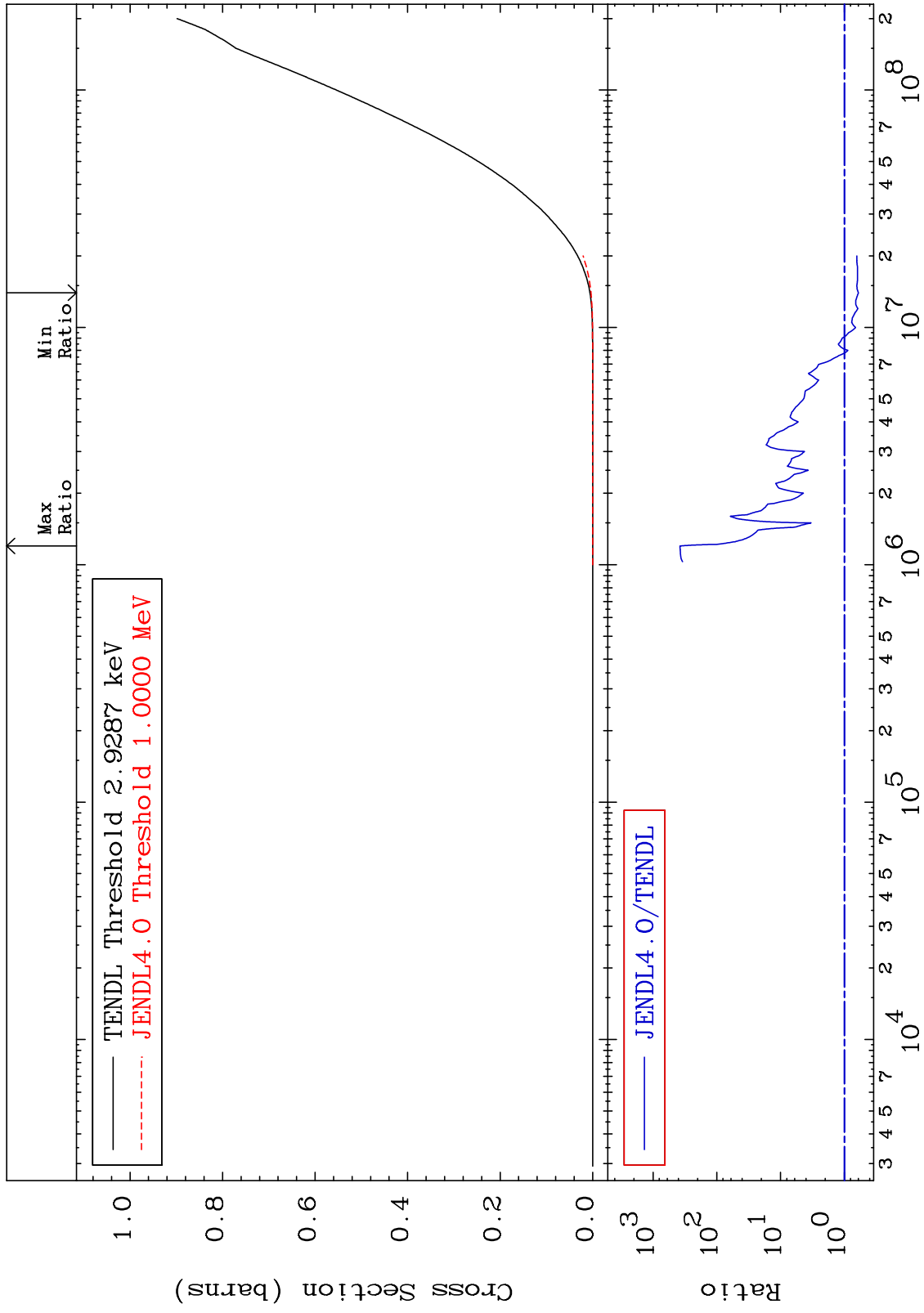
80-Hg-199

25

MAT 8034

Hydrogen Production
Cross Section

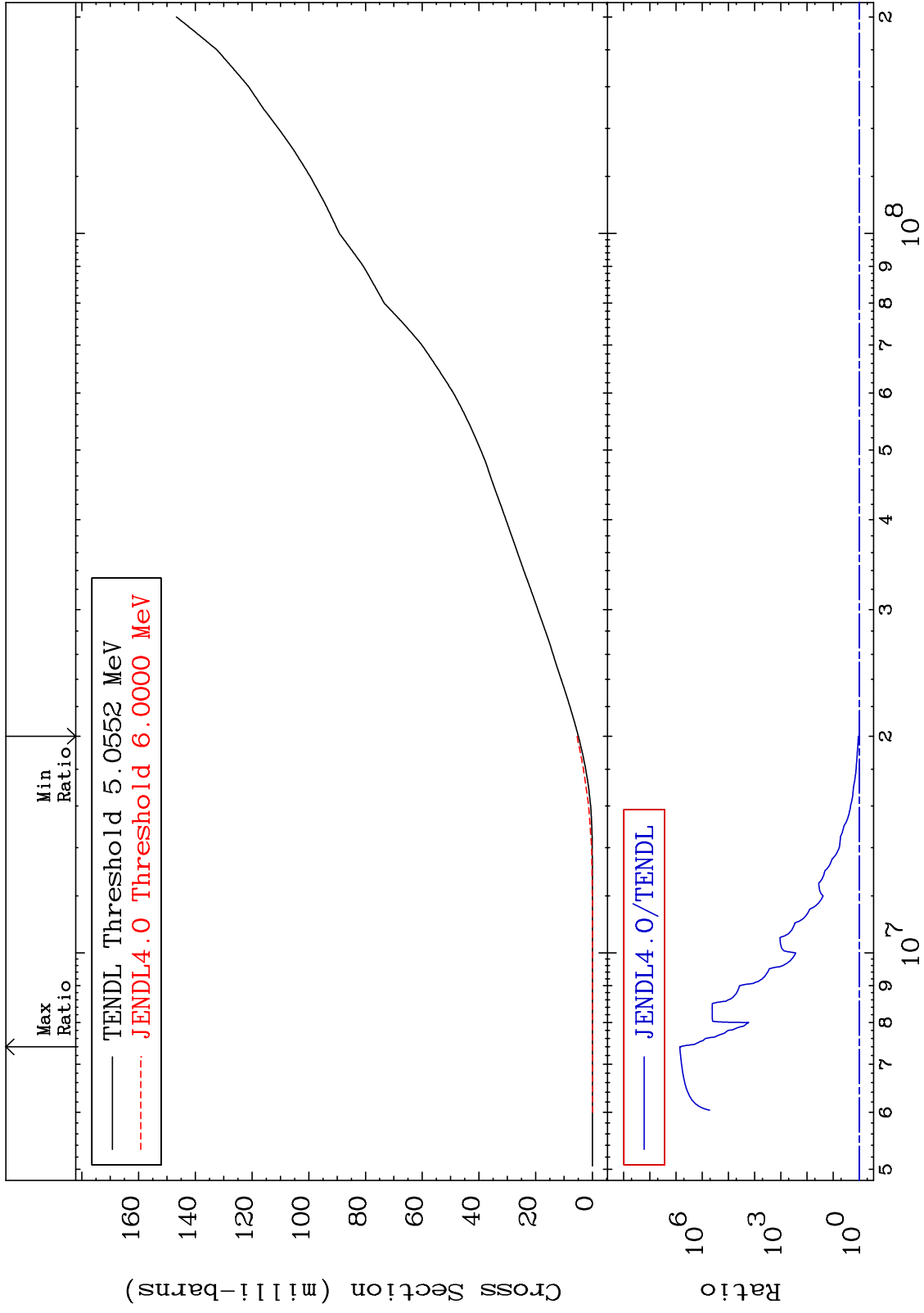
80-Hg-199
-39.92 To 9999. %



MAT 8034

Deuterium Production
Cross Section

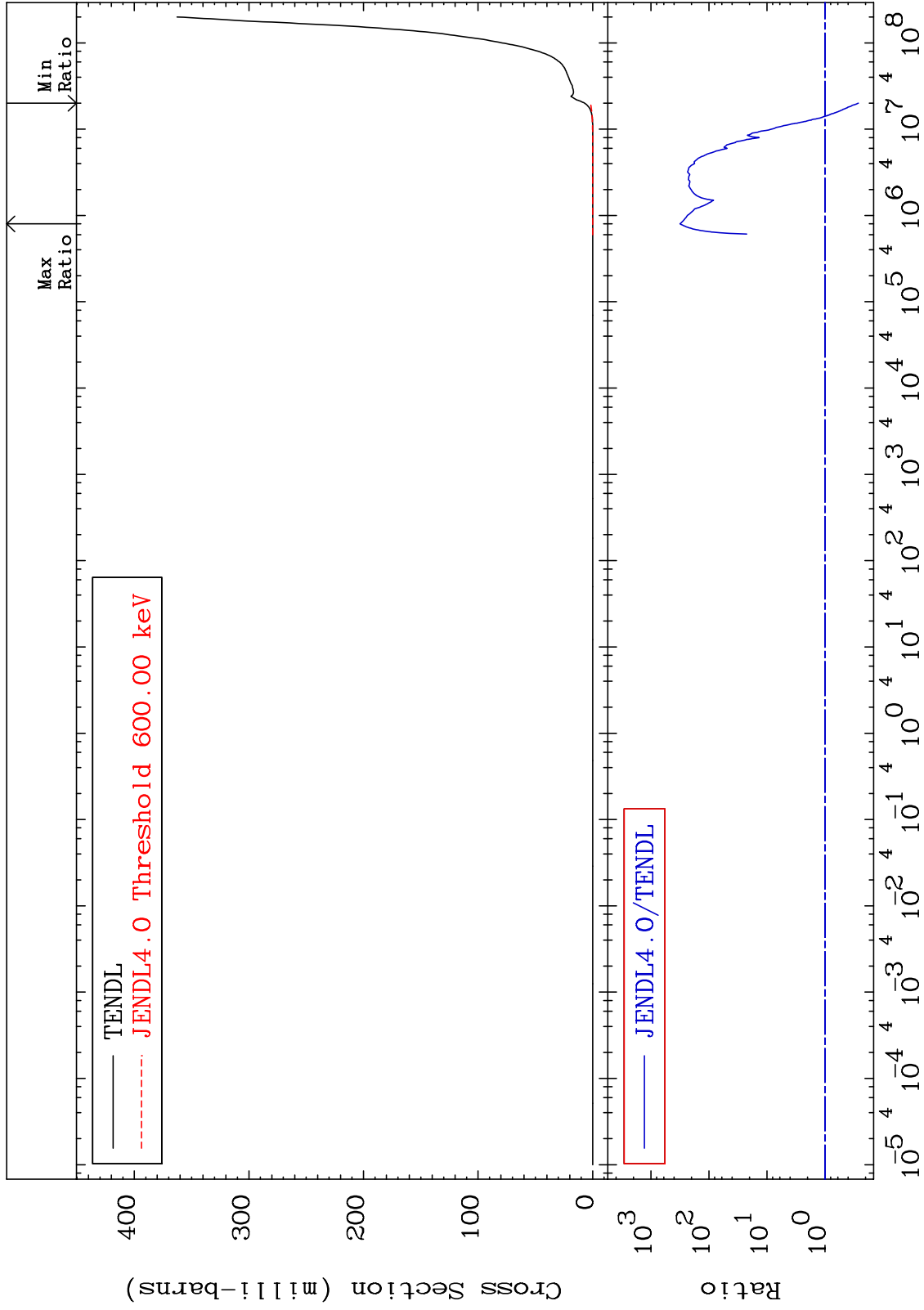
80-Hg-199
9.124 To 9999. %



MAT 8034

He-4 Production
Cross Section

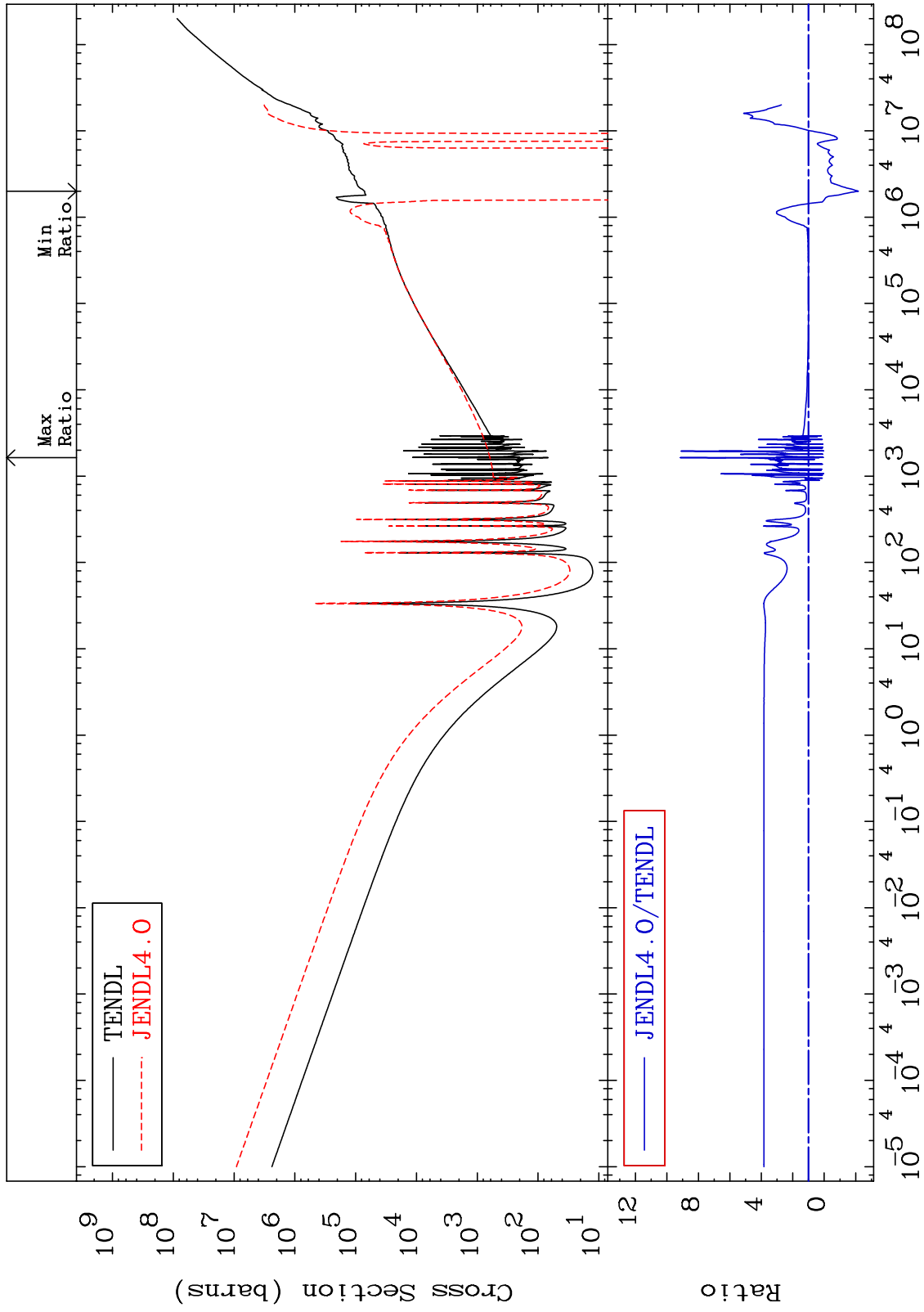
80-Hg-199
-73.45 To 9999. %



MAT 8034

Kerma total (eV-barns)
Cross Section

80-Hg-199
-317.4 To 816.8 %



29

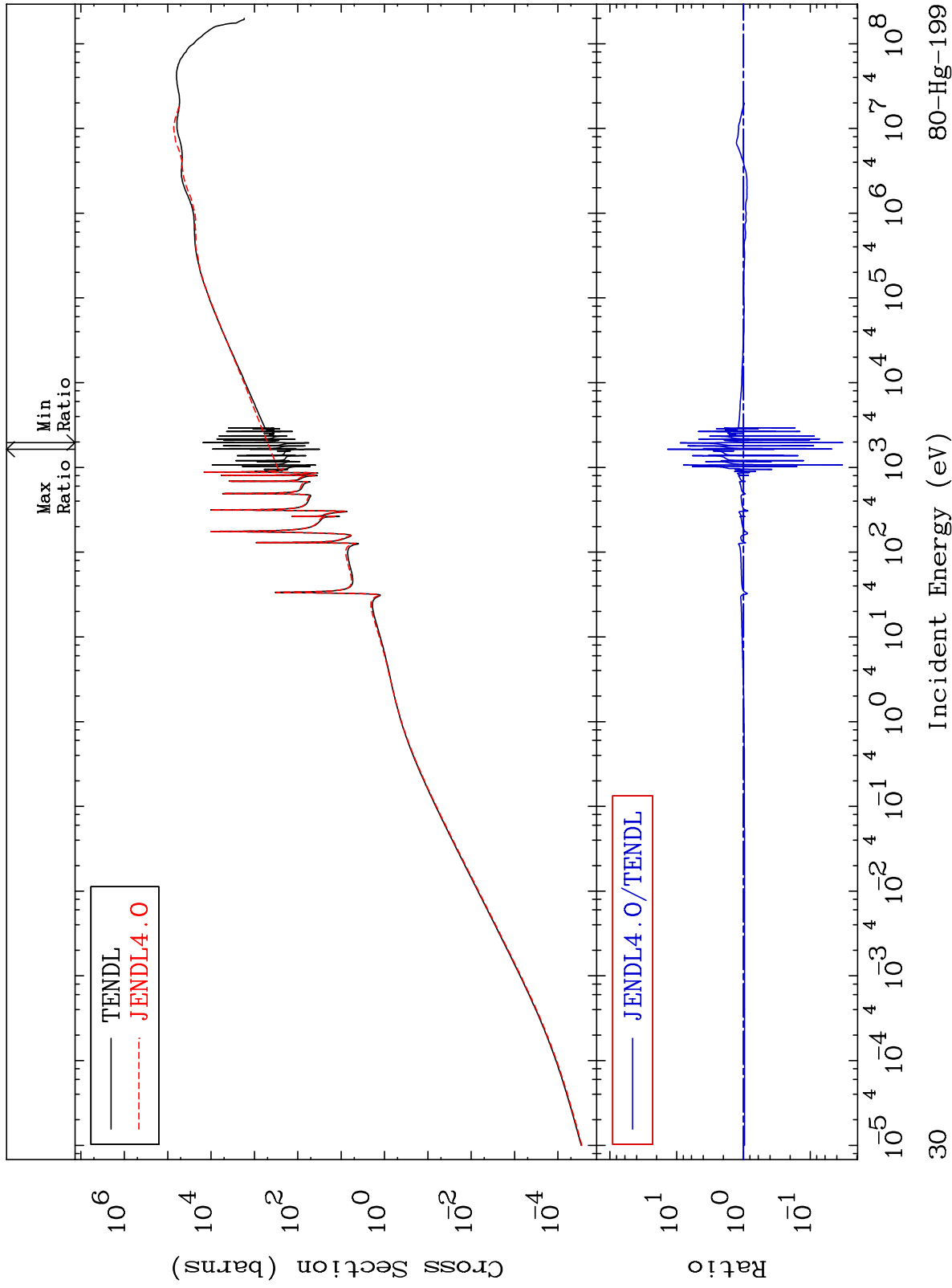
Incident Energy (eV)

80-Hg-199

MAT 8034

Kerma elastic
Cross Section

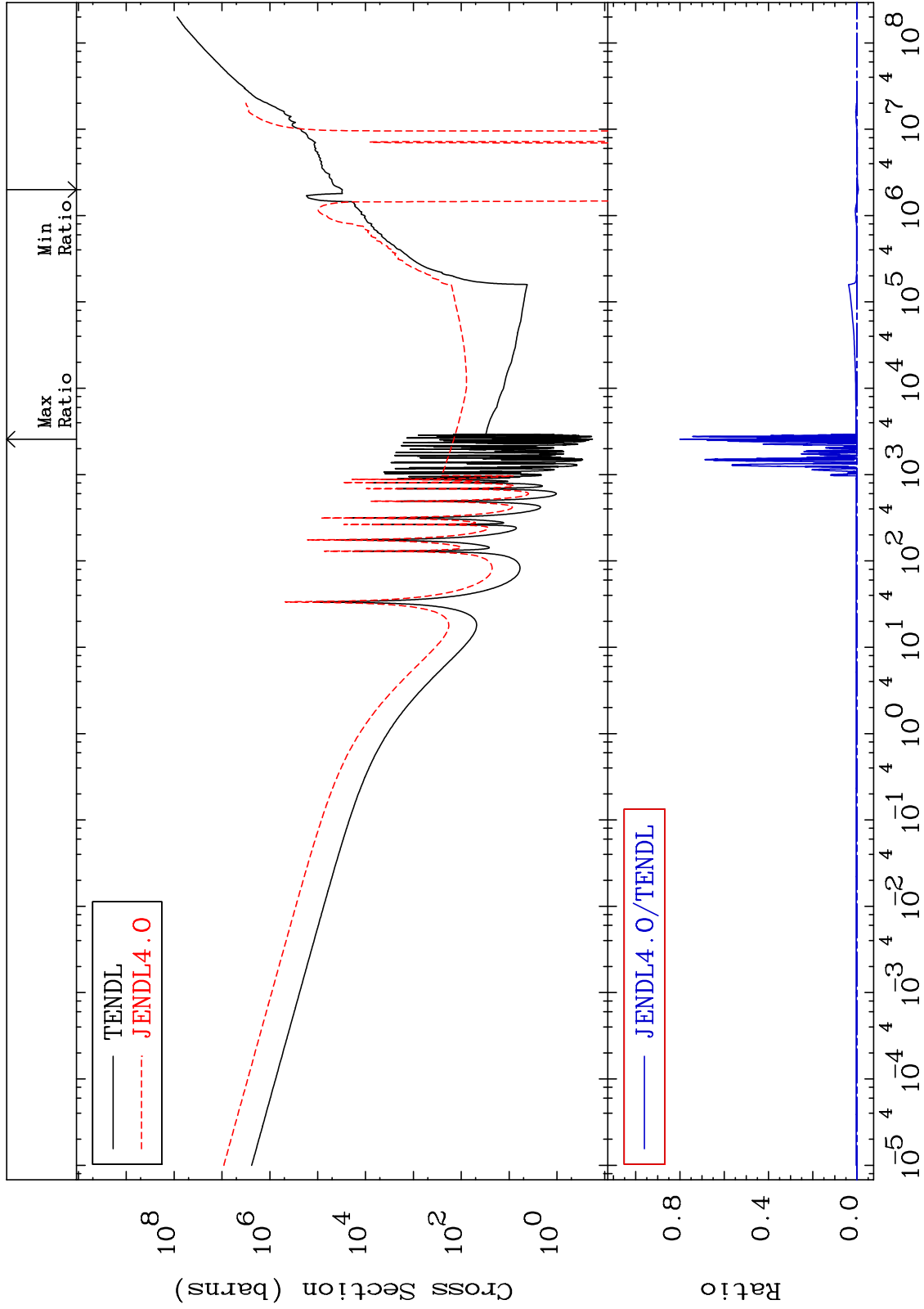
80-Hg-199
-96.72 To 1273. %



MAT 8034

Kerma non-elastic (all but mt2)
Cross Section

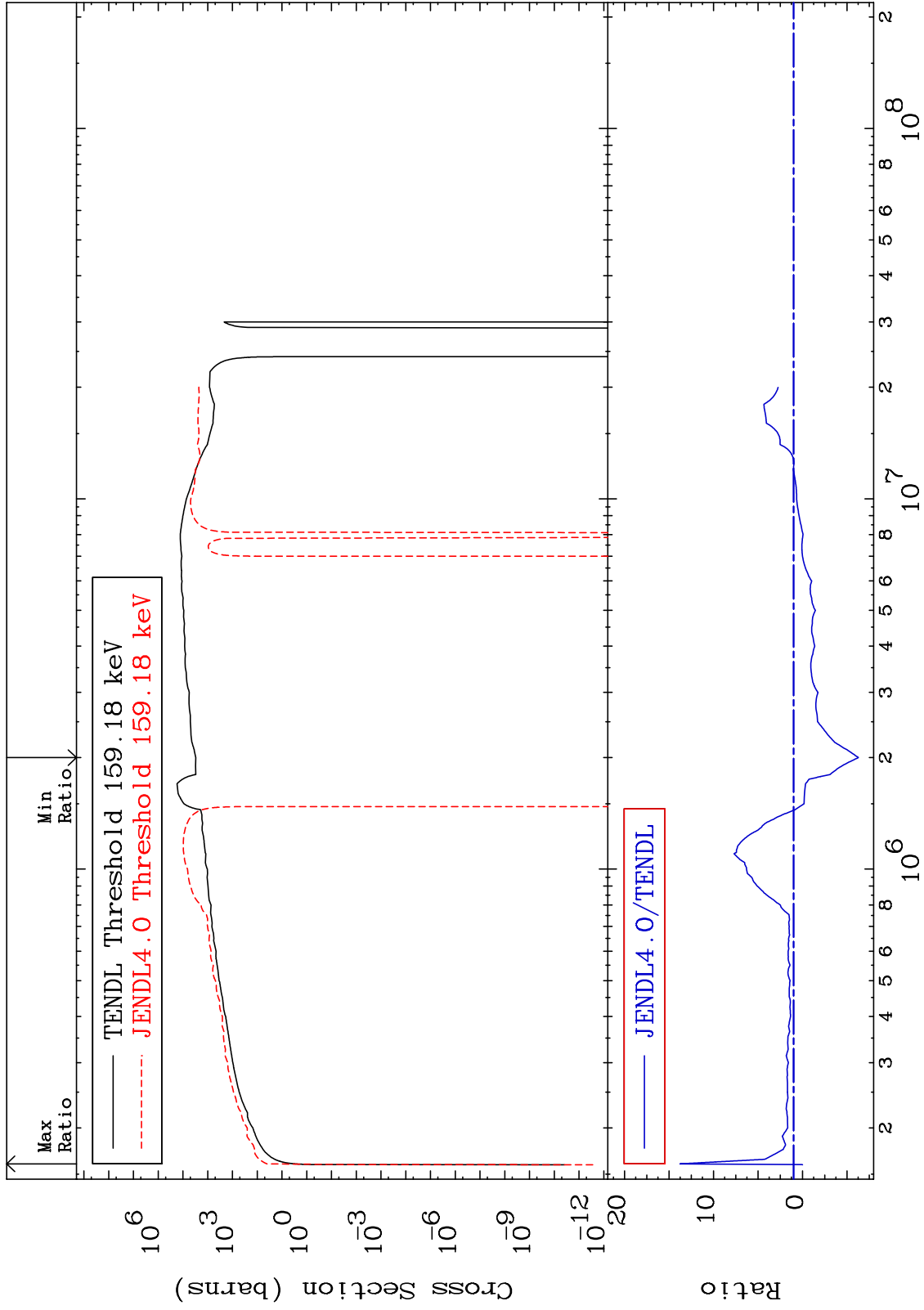
80-Hg-199
-726.6 To 9999. %



MAT 8034

Kerma inelastic (mt51-91)
Cross Section

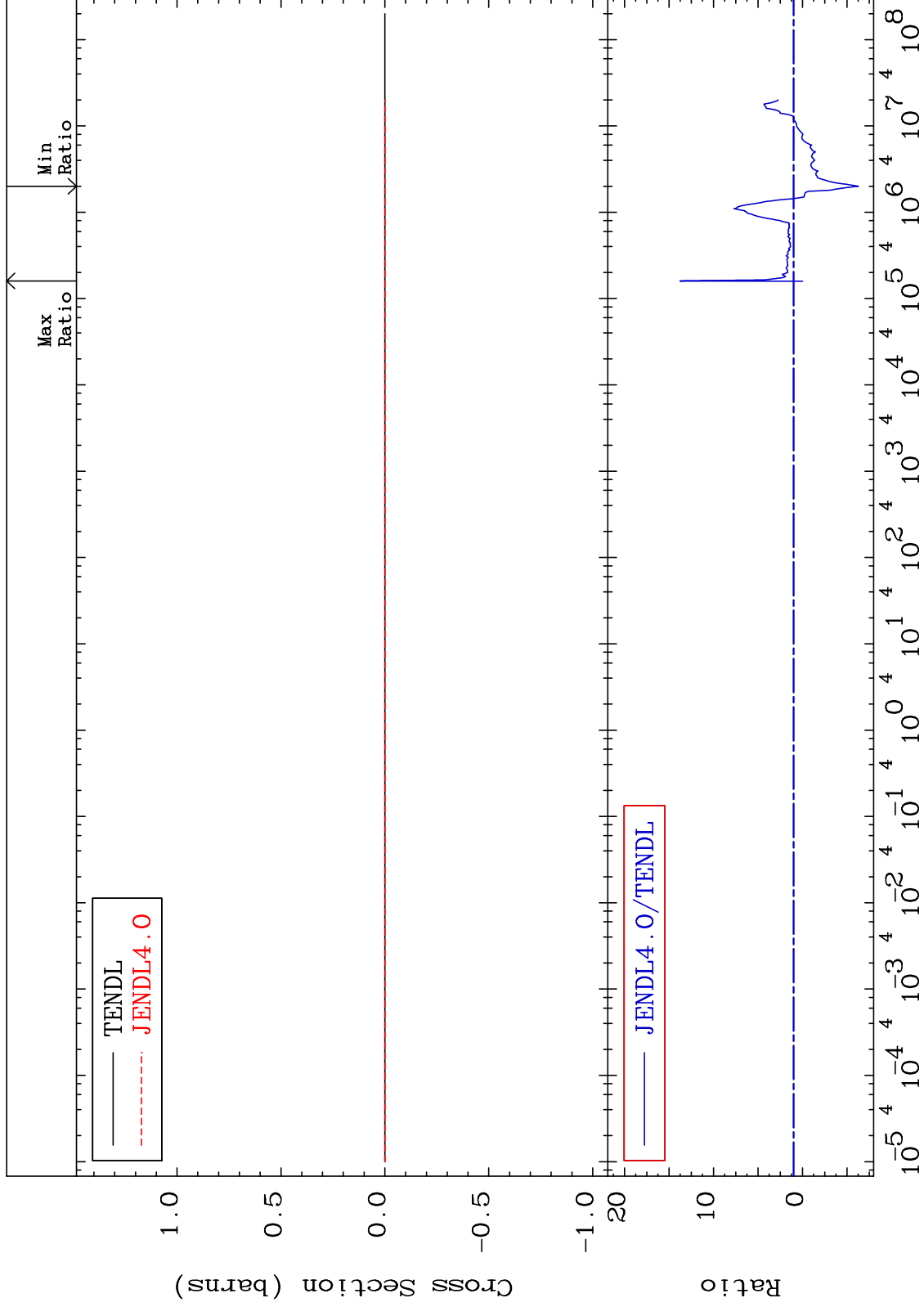
80-Hg-199
-727.1 To 1277. %



MAT 8034

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

80-Hg-199
-727.1 To 1277. %



33

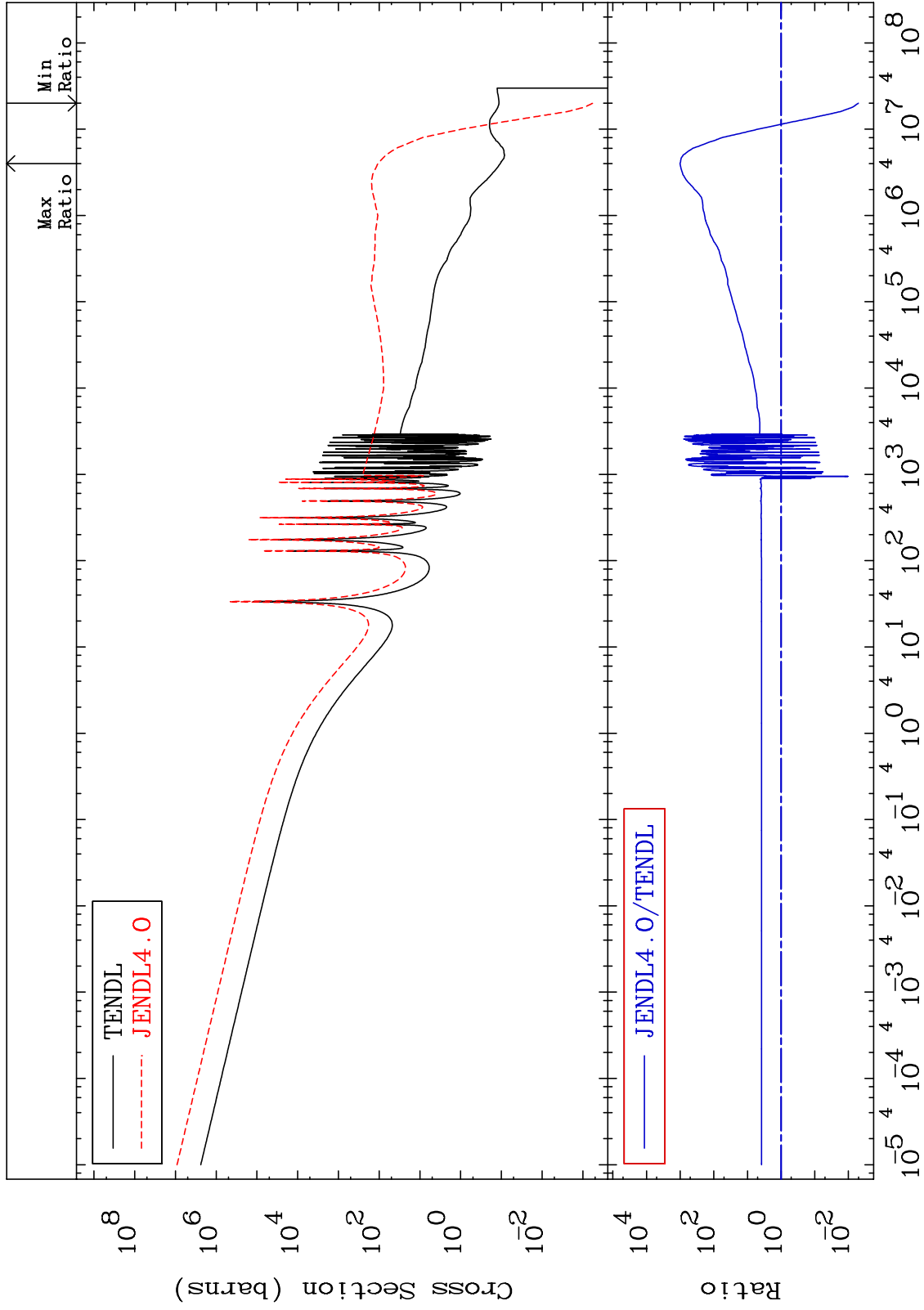
Incident Energy (eV)

80-Hg-199

MAT 8034

Kerma capture (mt102)
Cross Section

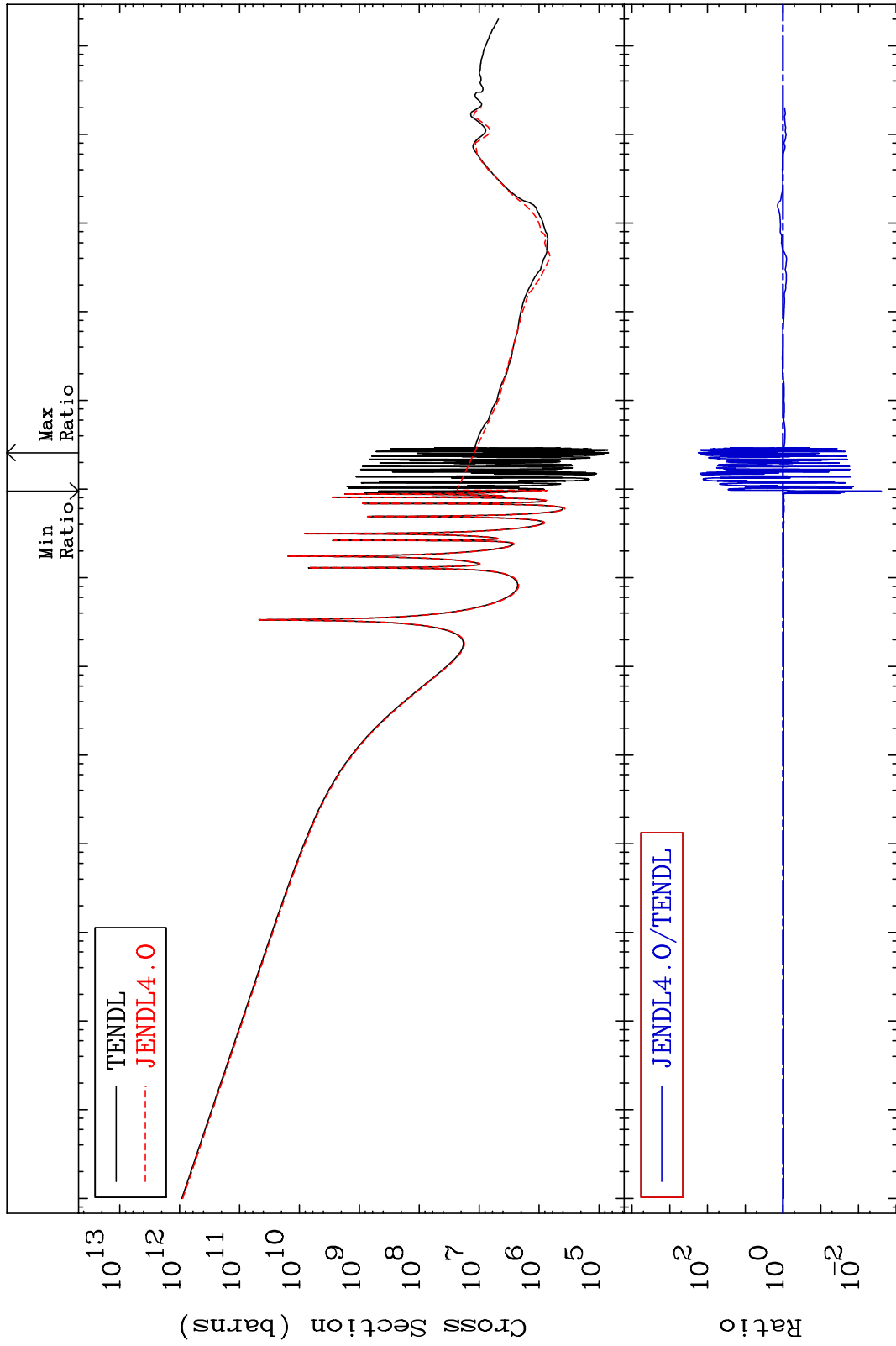
80-Hg-199
-99.50 To 9999. %



MAT 8034

Total photon (eV-barns)
Cross Section

80-Hg-199
-99.76 To 9999. %



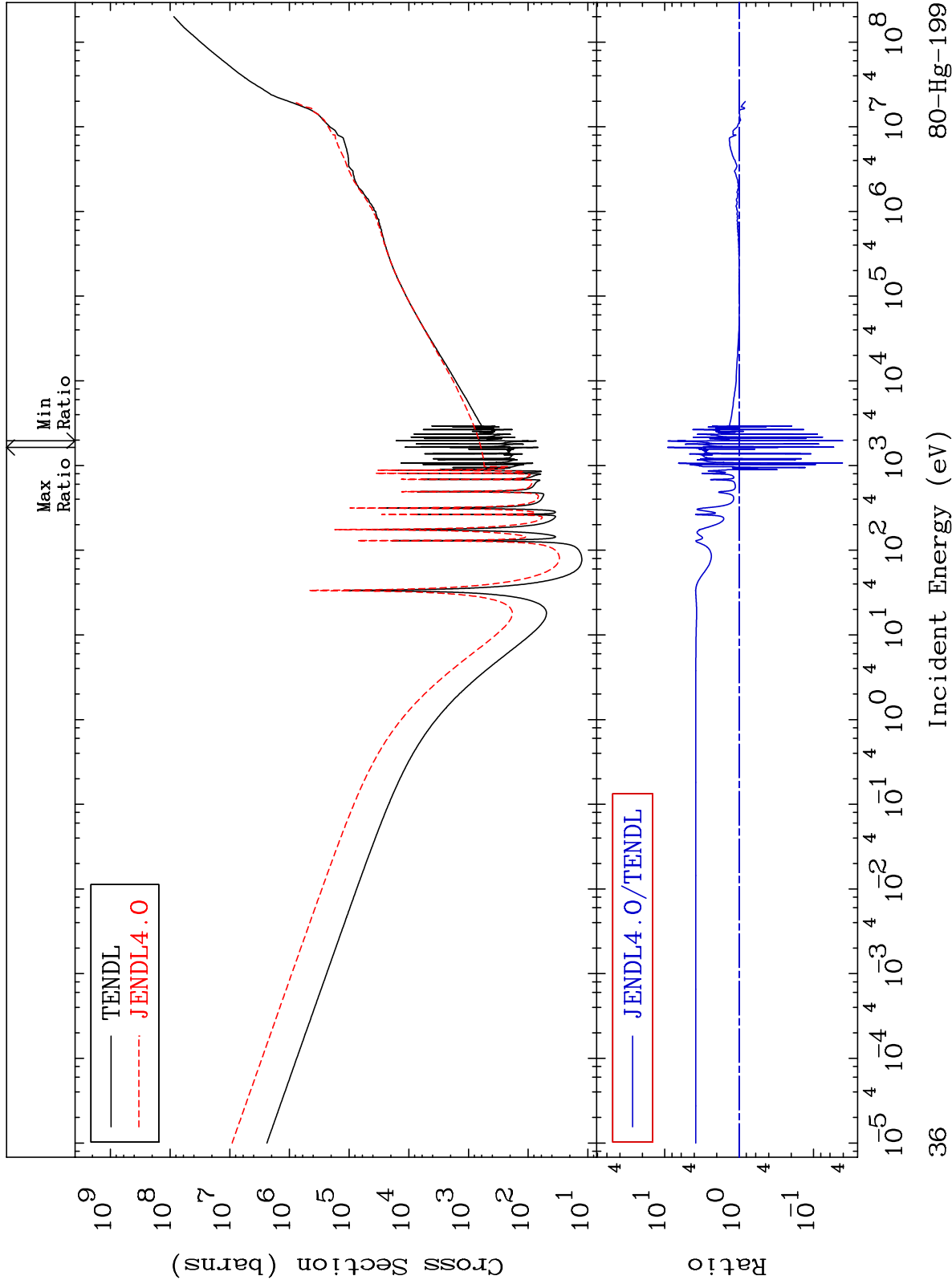
— TENDL
- - - JENDL4.0

— JENDL4.0/TENDL

MAT 8034

Total kinematic kerma (high limit)
Cross Section

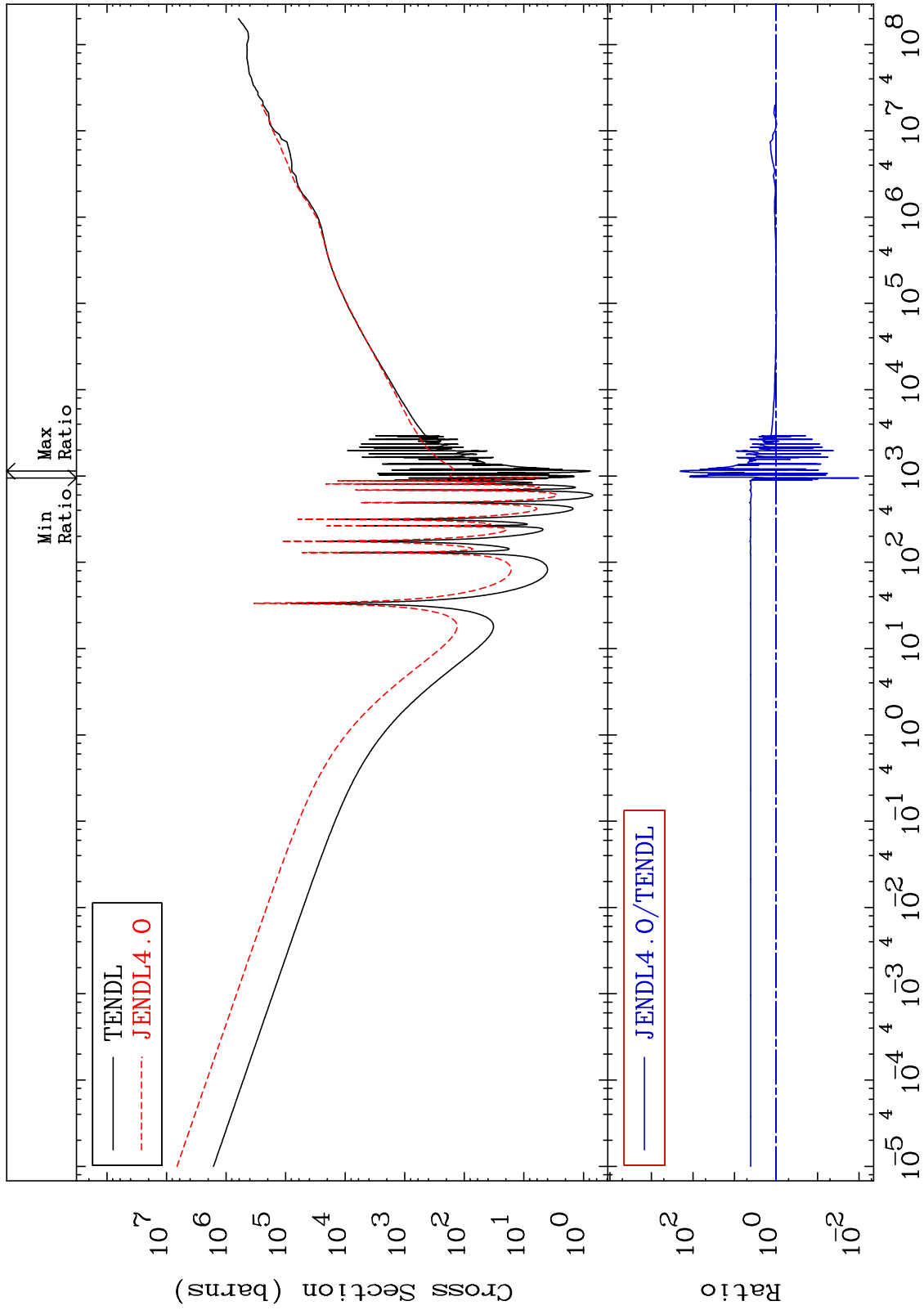
80-Hg-199
-95.94 To 816.8 %



MAT 8034

Dpa total (eV-barns)
Cross Section

80-Hg-199
-98.97 To 9999. %



37

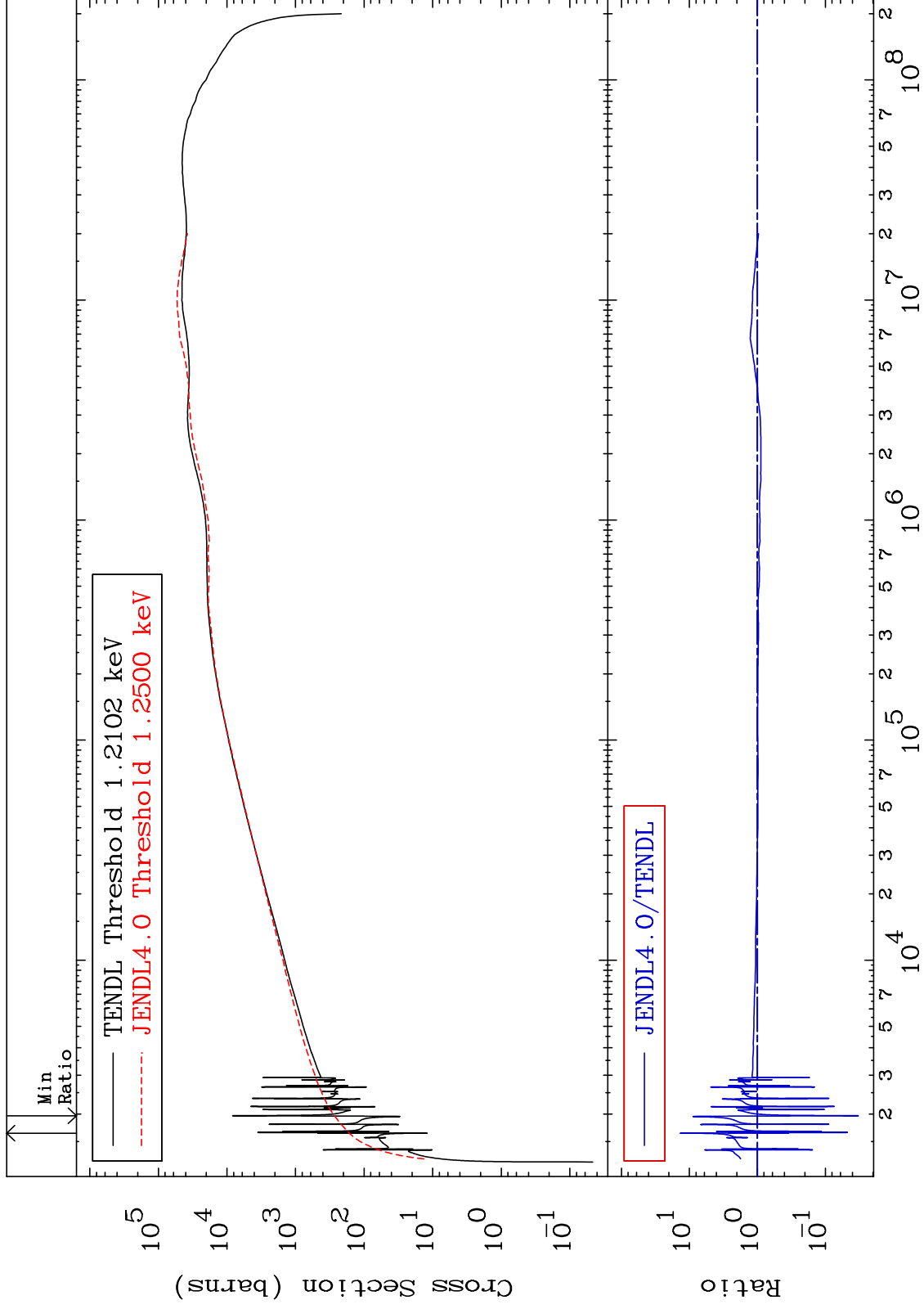
Incident Energy (eV)

80-Hg-199

MAT 8034

Dpa elastic (mt2)
Cross Section

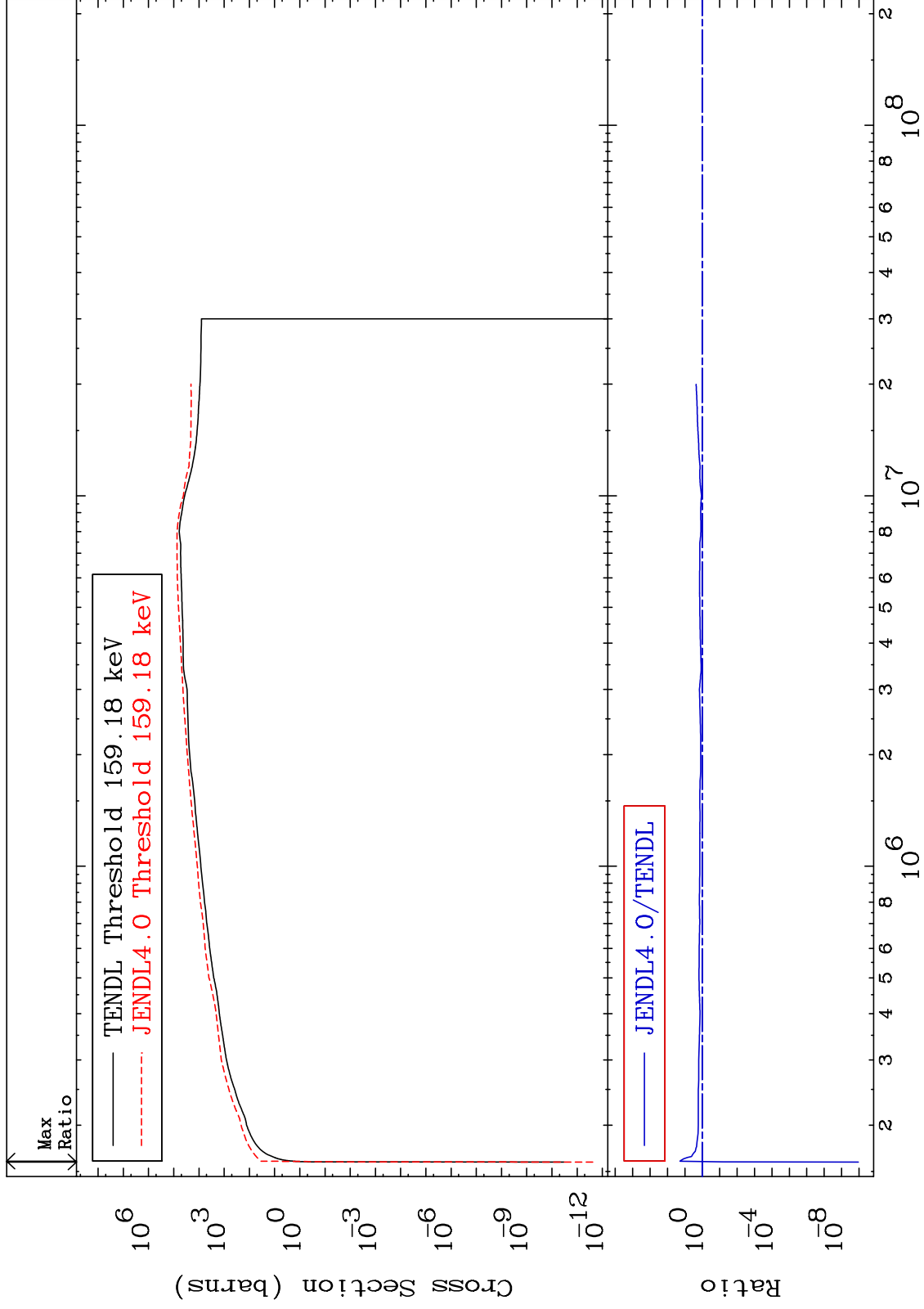
80-Hg-199
-96.73 To 1274. %



MAT 8034

Dpa inelastic (mt51-91)
Cross Section

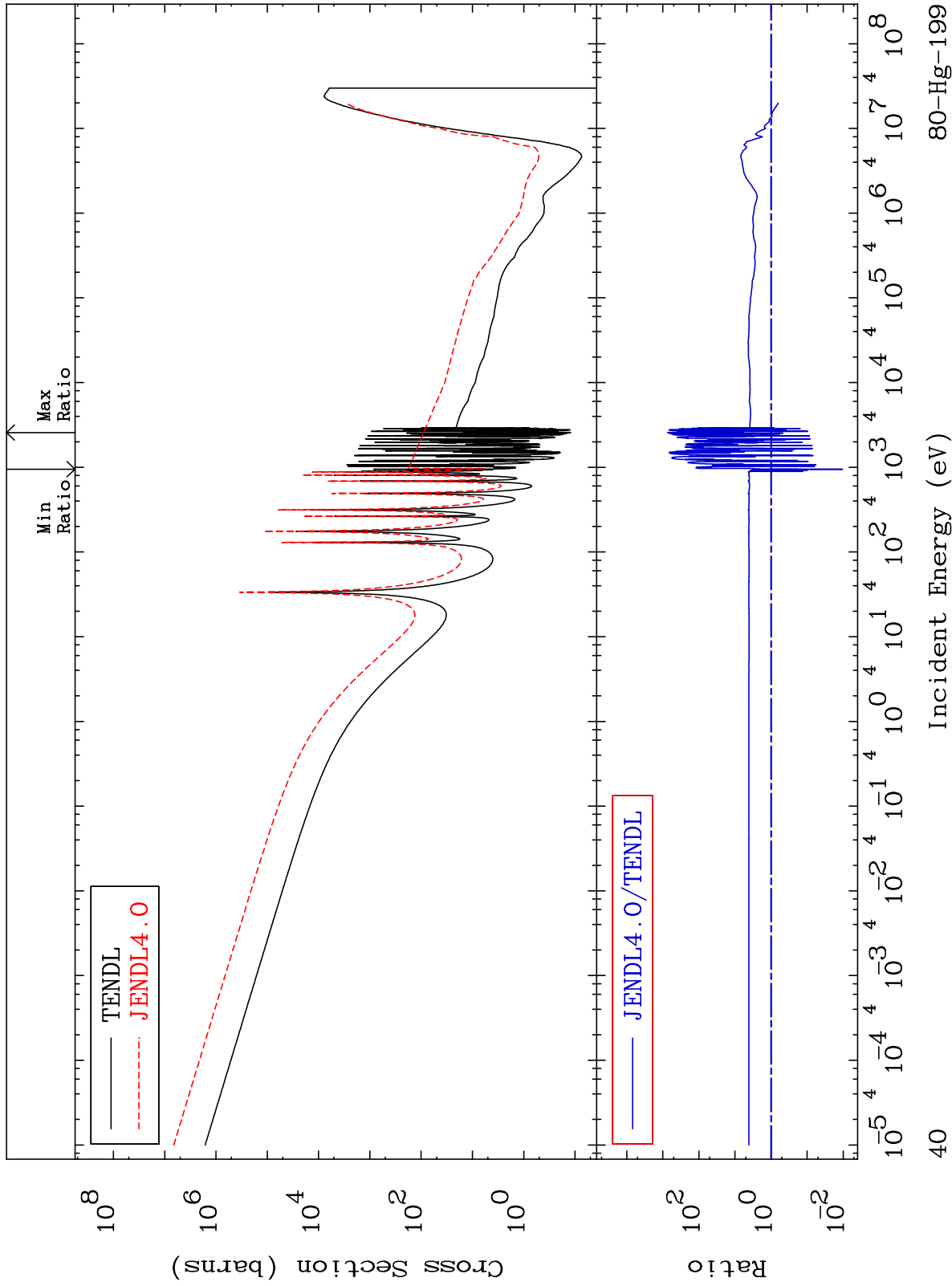
80-Hg-199
-100.0 To 1797. %



MAT 8034

Dpa disappearance (mt102 -120)
Cross Section

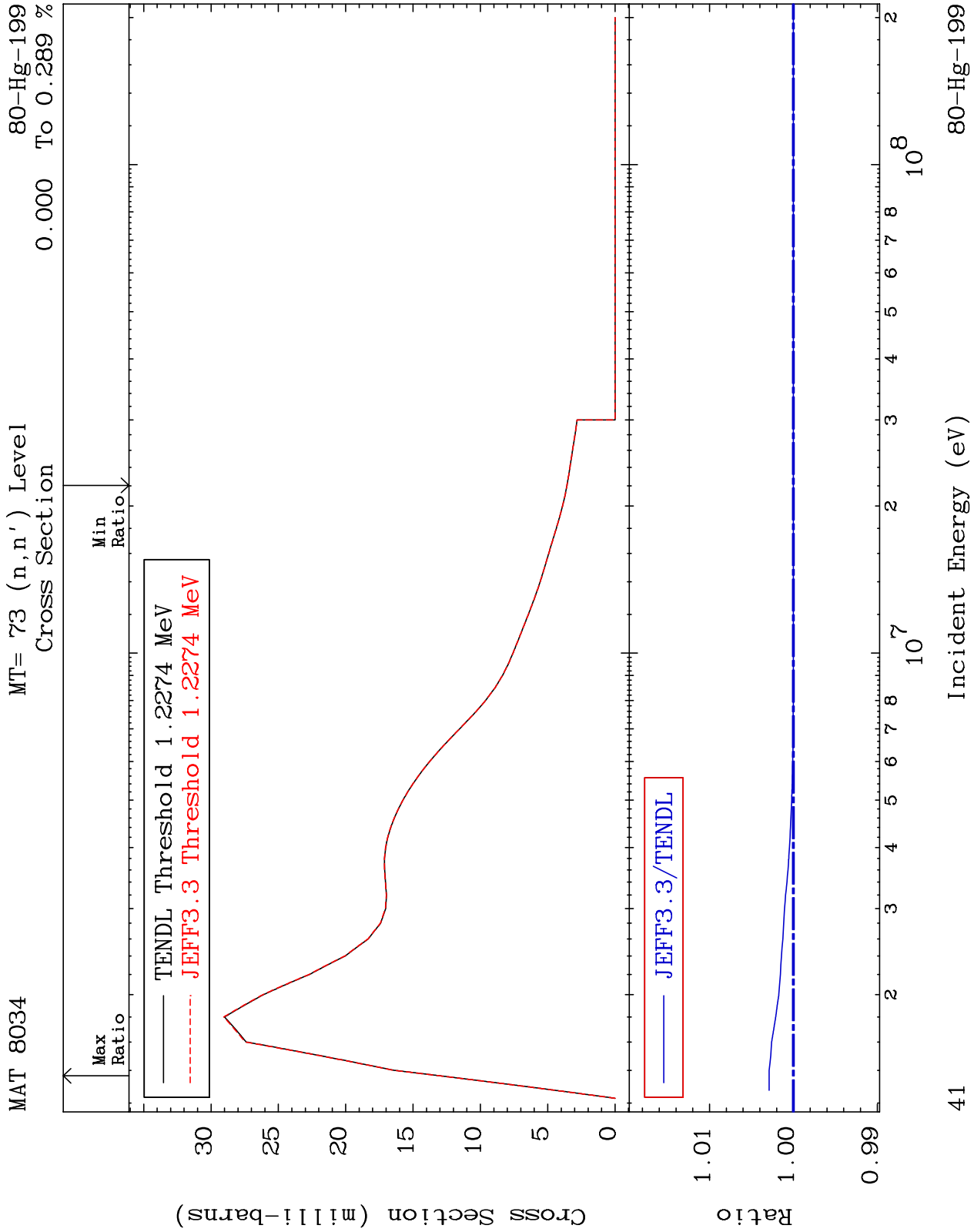
80-Hg-199
-98.97 To 9999. %



40

Incident Energy (eV)

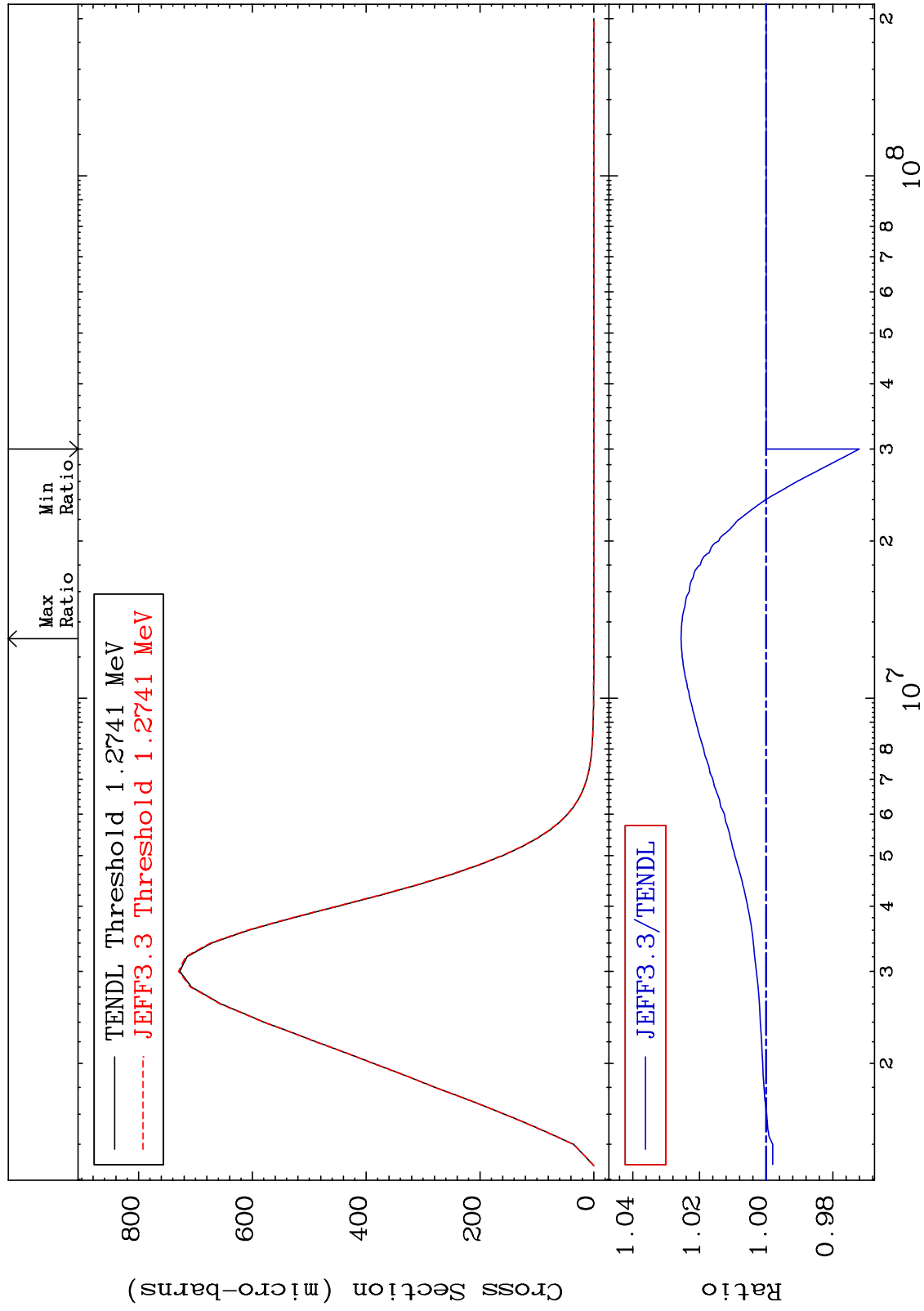
80-Hg-199



MAT 8034

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

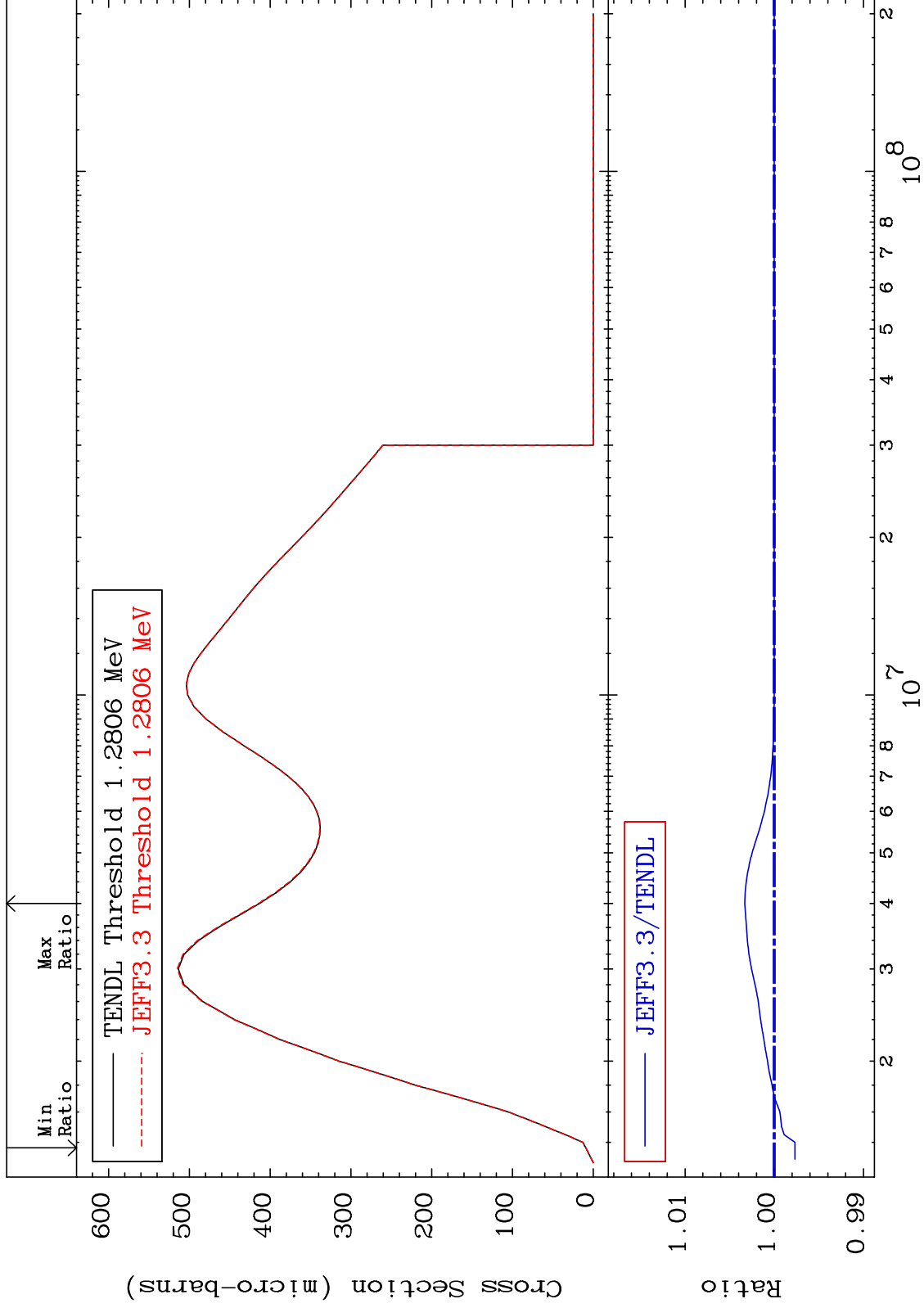
80-Hg-199
-2.795 To 2.554 %



MAT 8034

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

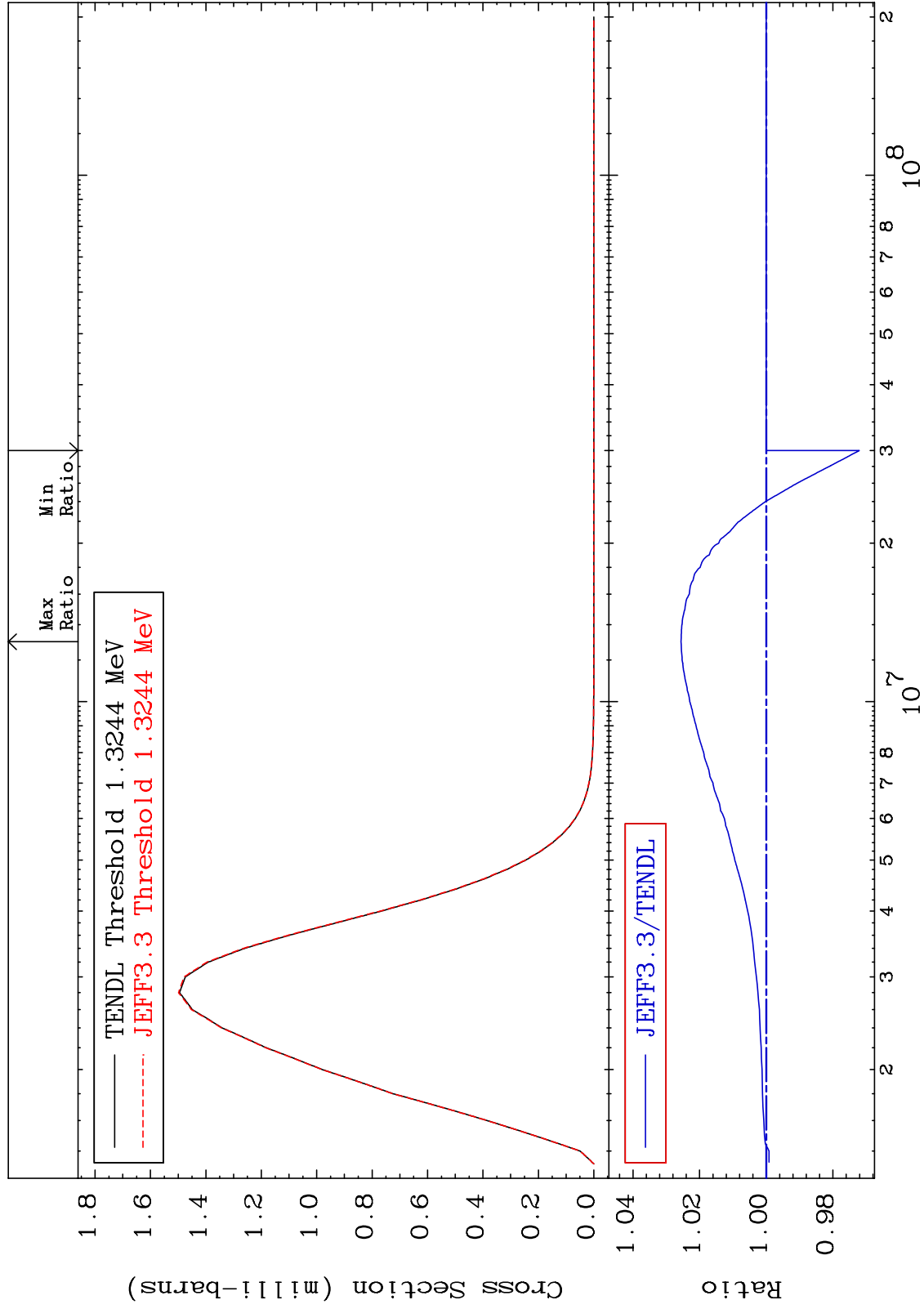
80-Hg-199
-0.232 To 0.330 %



MAT 8034

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

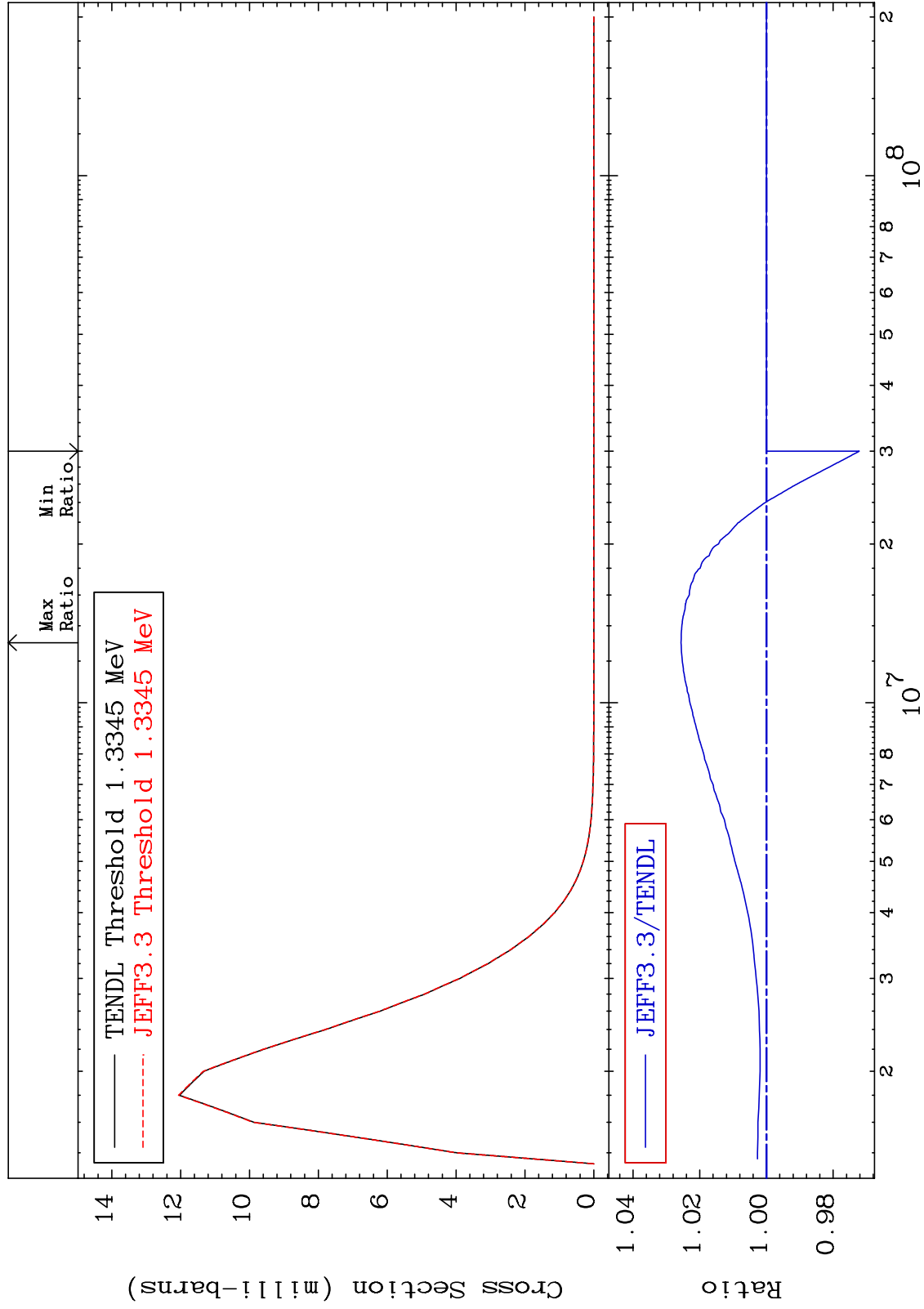
80-Hg-199
-2.790 To 2.557 %



MAT 8034

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

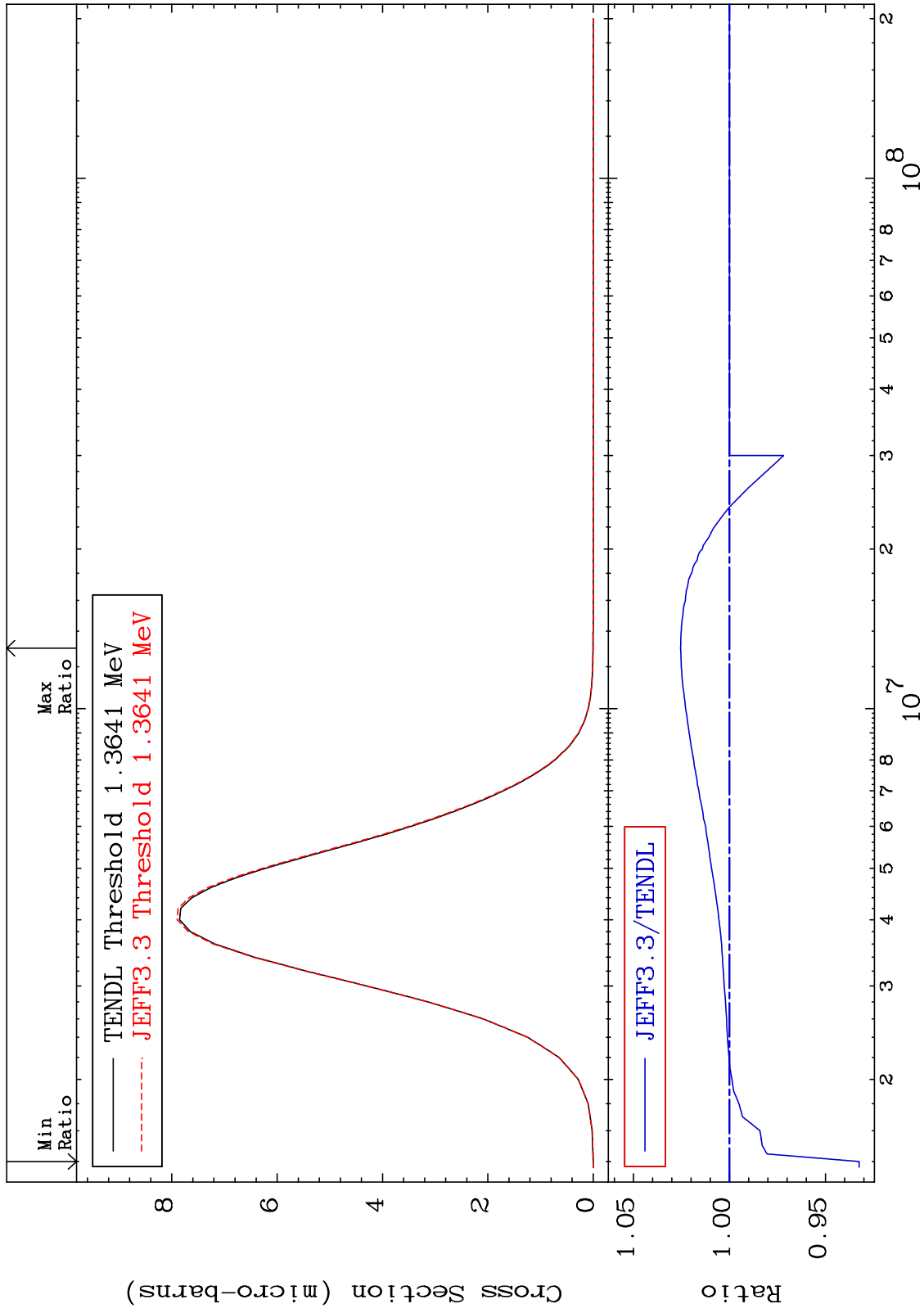
80-Hg-199
-2.783 To 2.560 %



MAT 8034

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

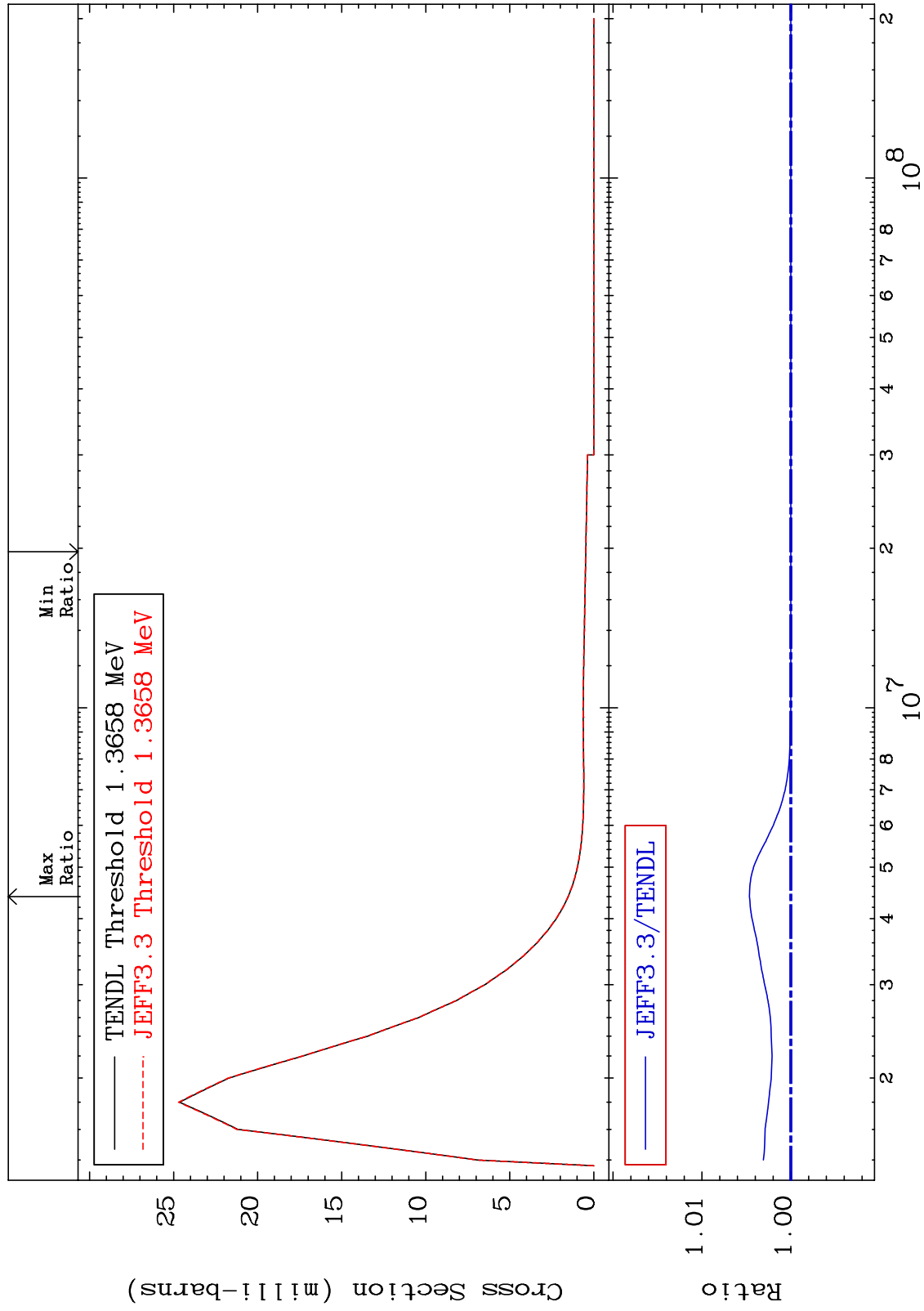
80-Hg-199
-6.751 To 2.546 %



MAT 8034

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

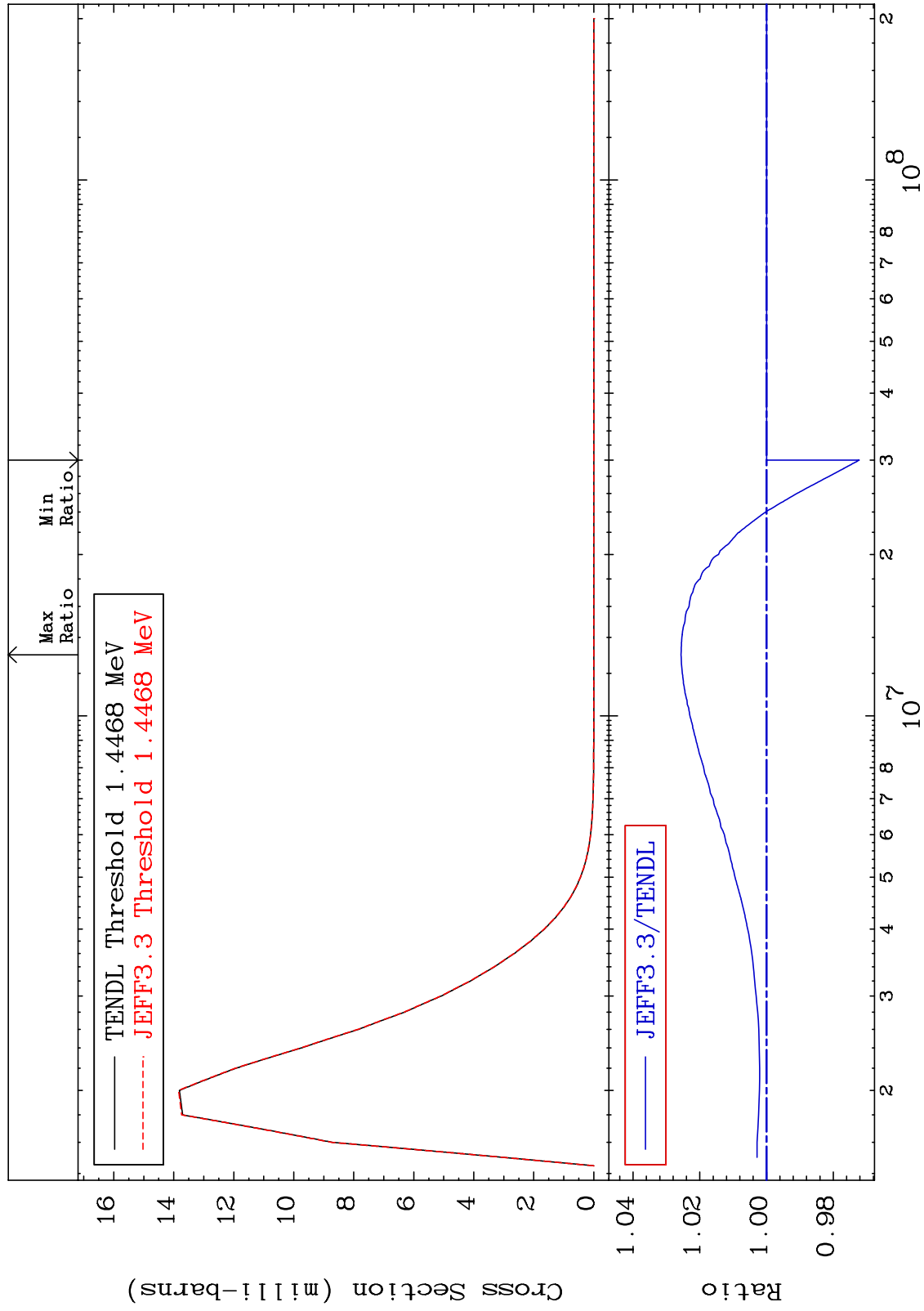
80-Hg-199
0.000 To 0.465 %



MAT 8034

MT= 80 (n,n') Level
Cross Section

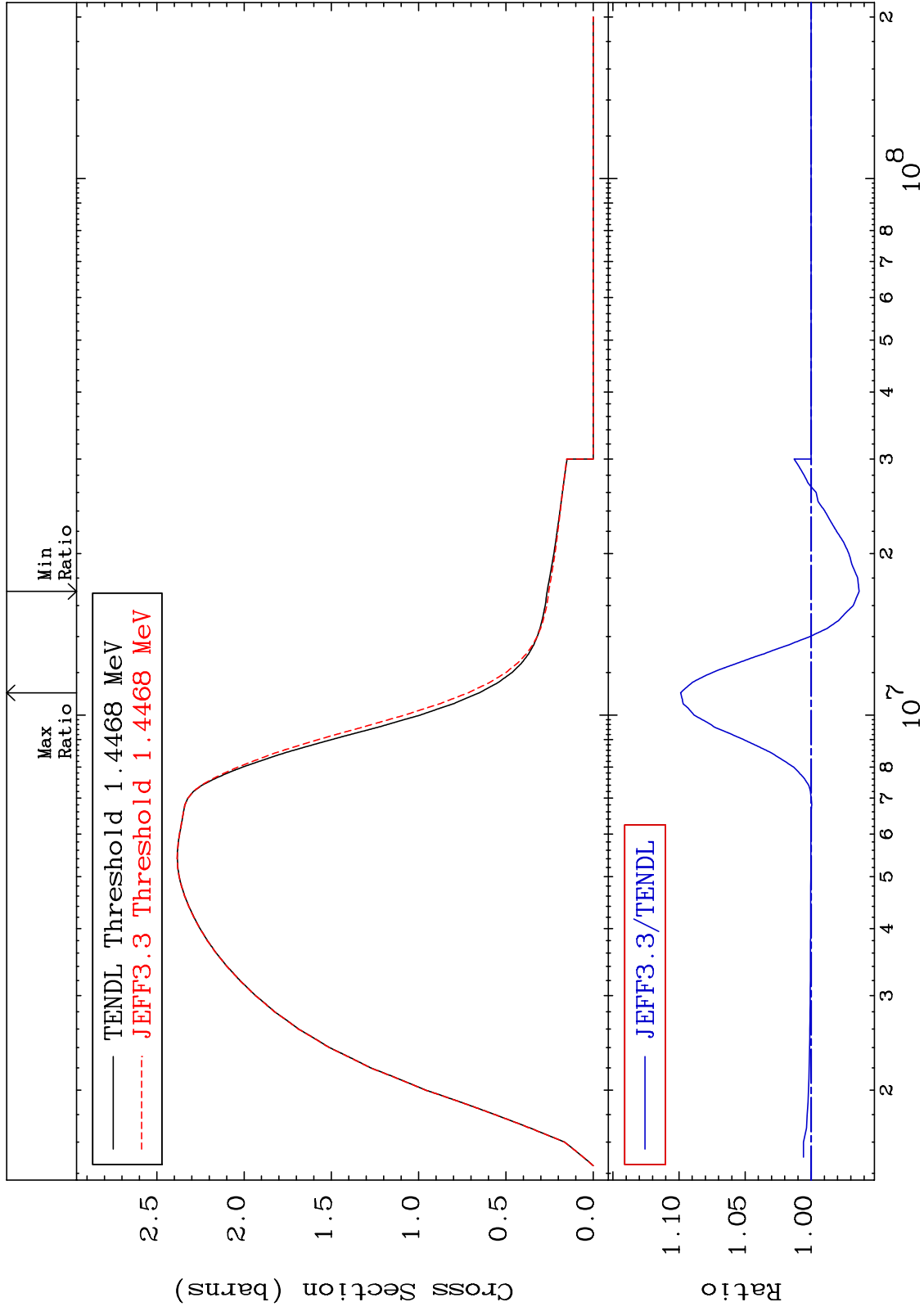
80-Hg-199
-2.780 To 2.562 %



MAT 8034

(n, n') Continuum
Cross Section

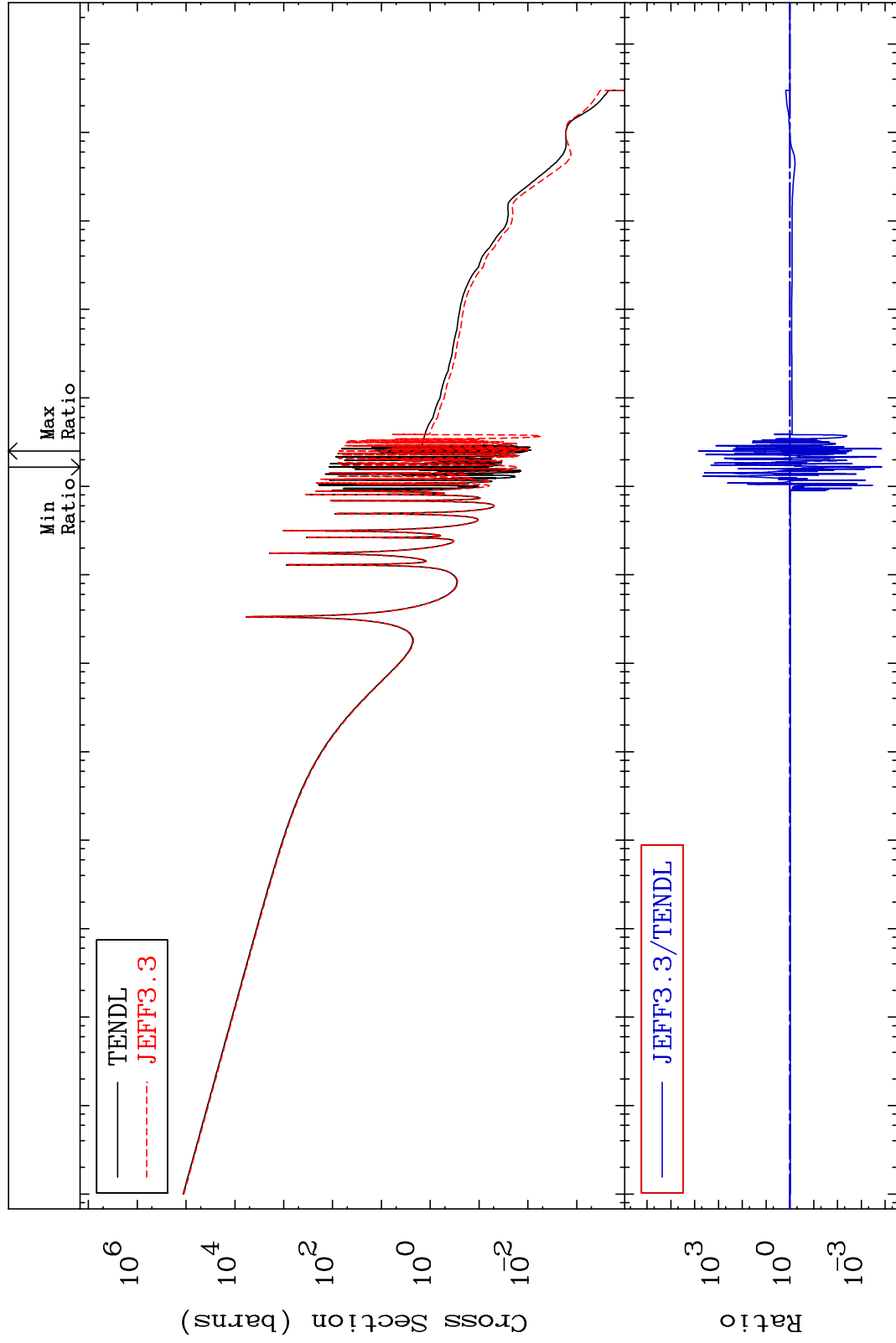
80-Hg-199
-3.631 To 9.876 %



MAT 8034

(n, γ)
Cross Section

80-Hg-199
-99.99 To 9999. %



50

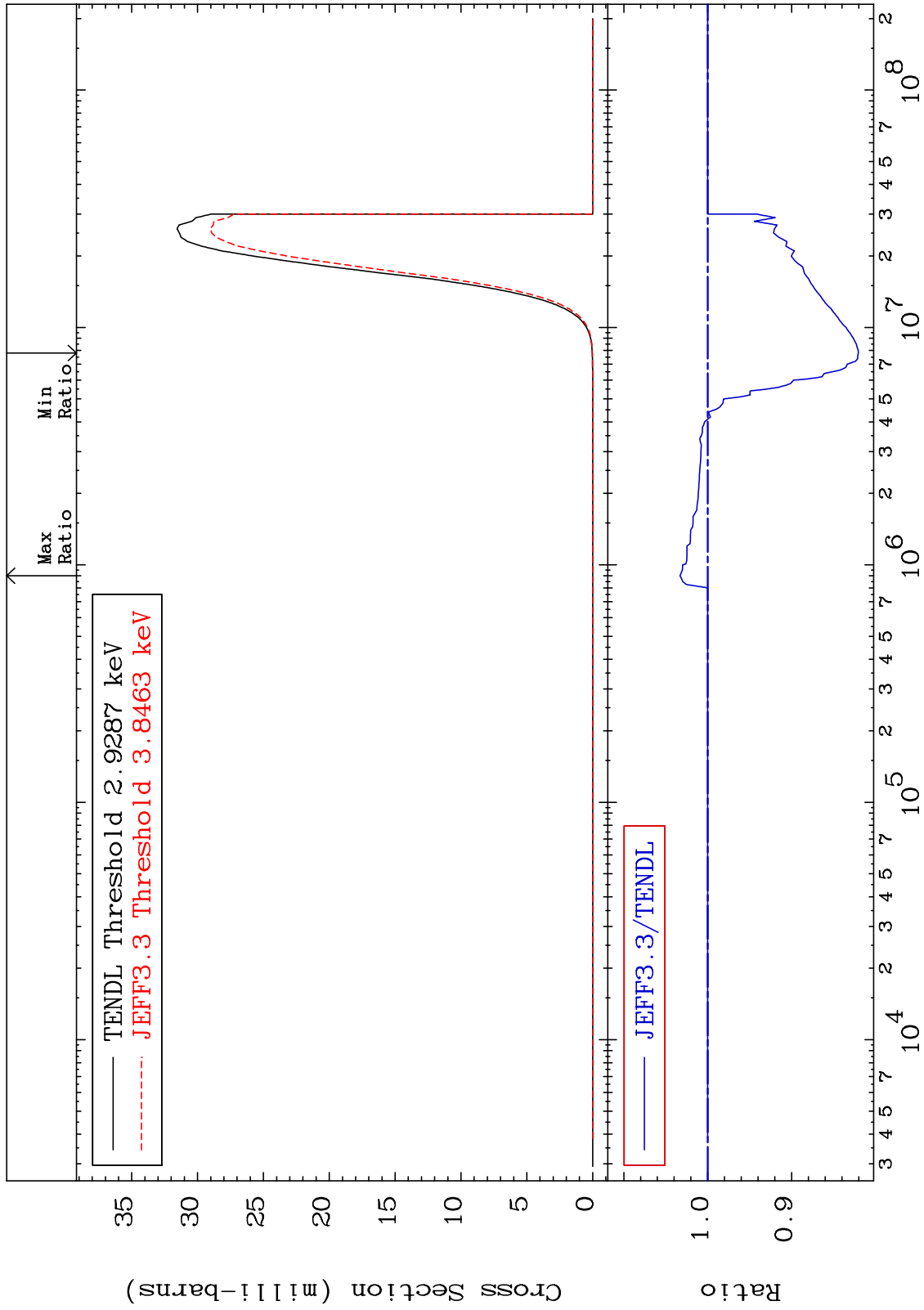
Incident Energy (eV)

80-Hg-199

MAT 8034

(n, p) Cross Section

80-Hg-199
-17.96 To 3.301 %



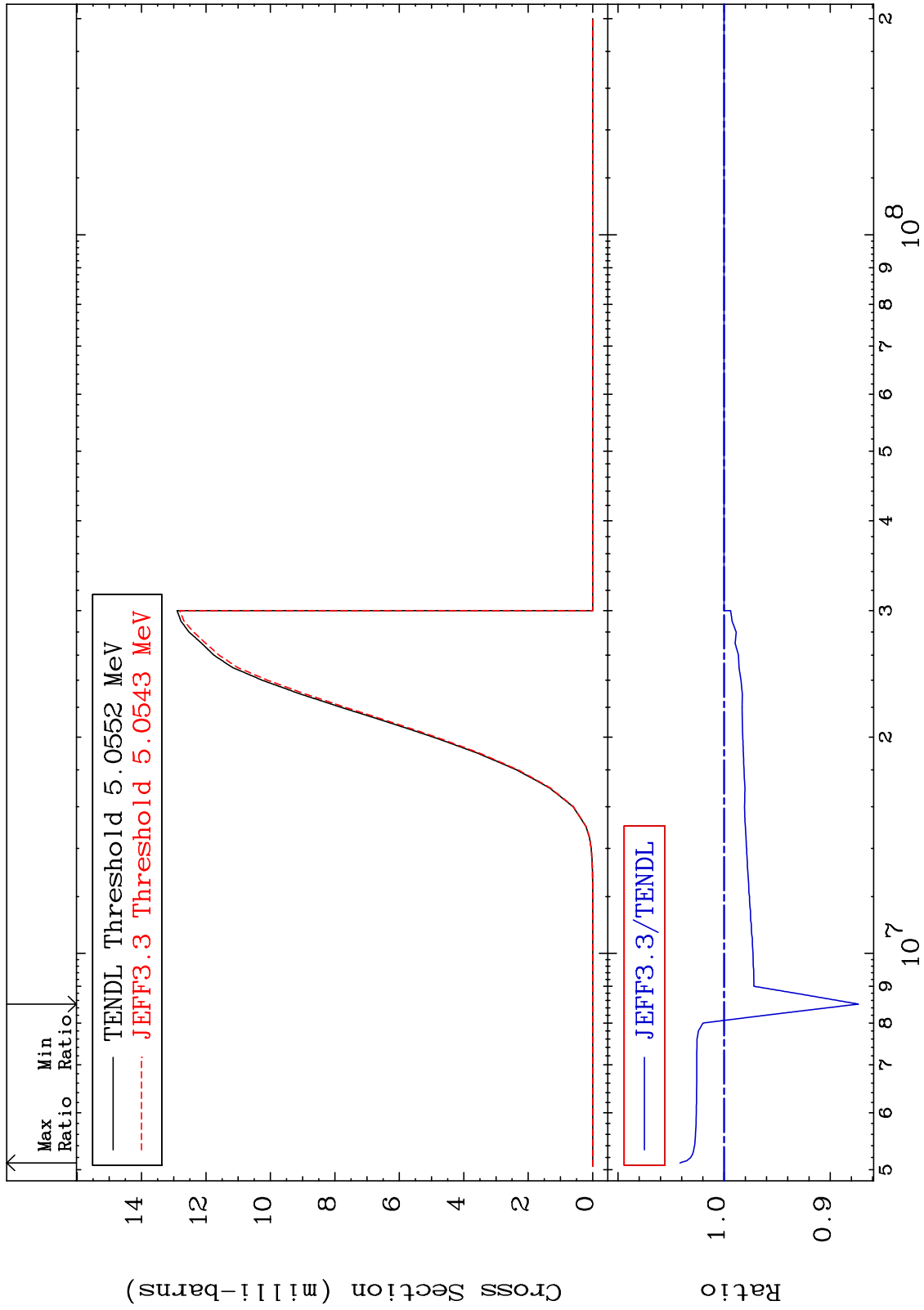
MAT 8034

(n, d)

80-Hg-199

Cross Section

-12.66 To 4.157 %



52

Incident Energy (eV)

80-Hg-199

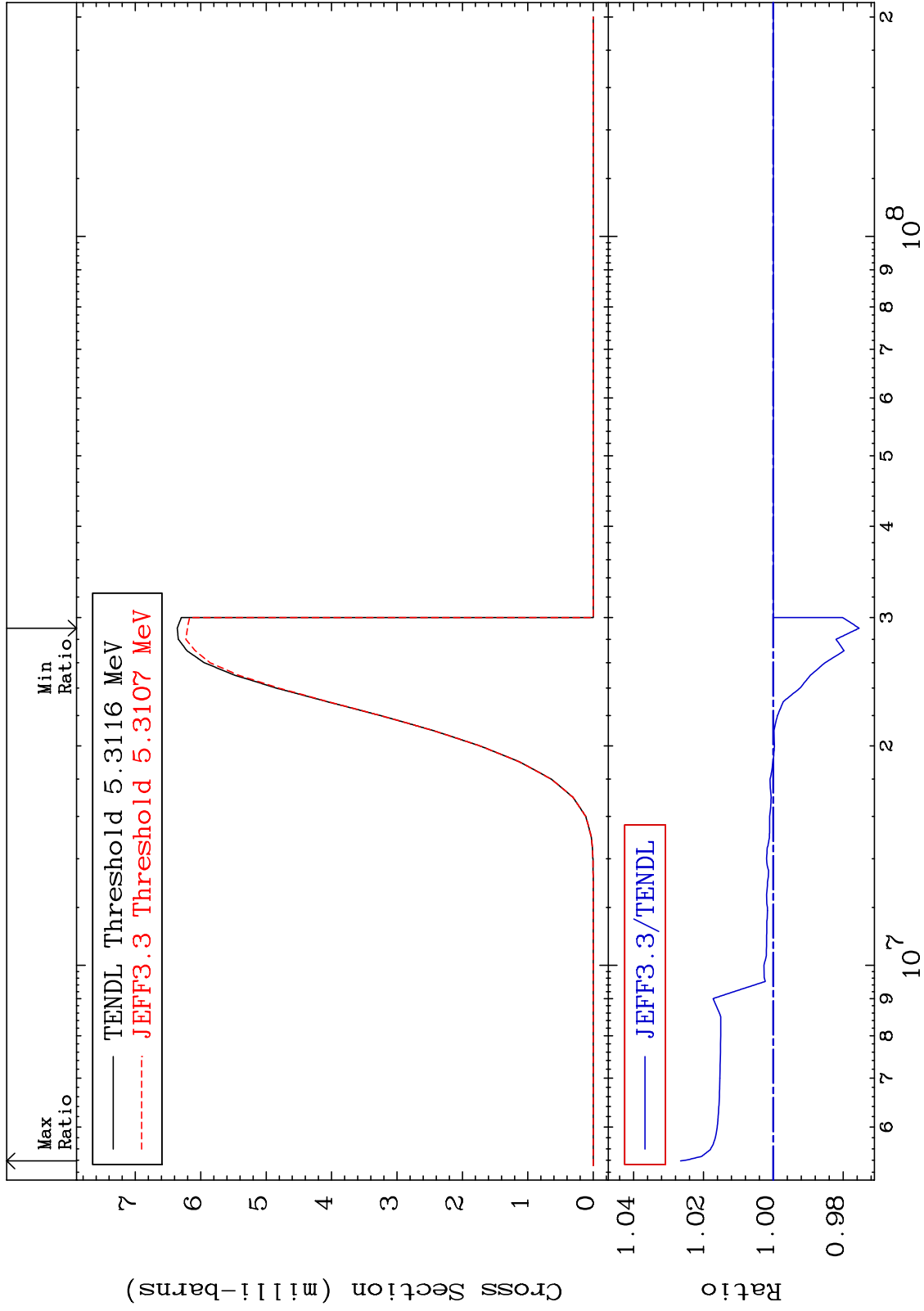
MAT 8034

(n, t)

80-Hg-199

Cross Section

-2.460 To 2.656 %



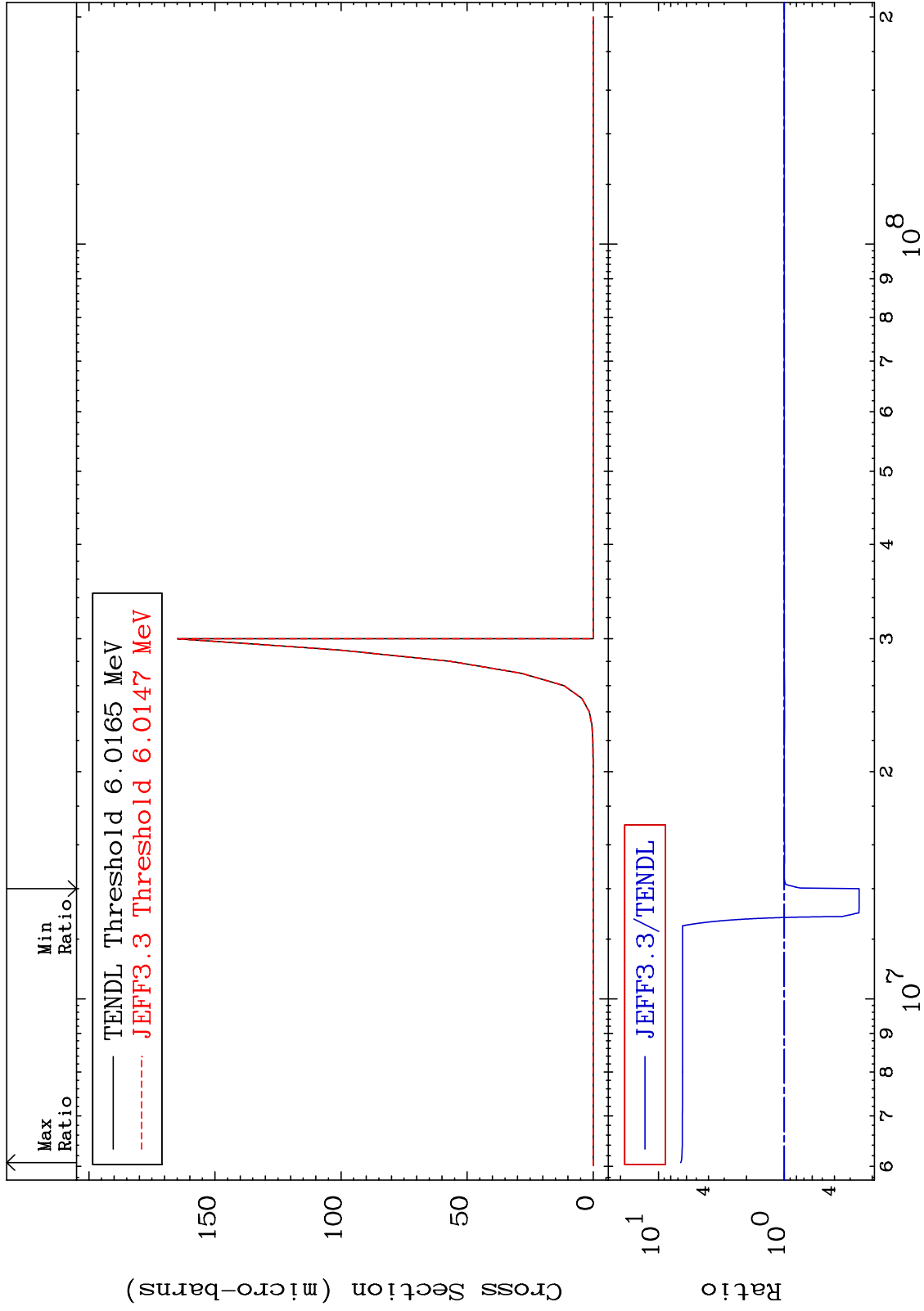
MAT 8034

(n, He-3)

80-Hg-199

Cross Section

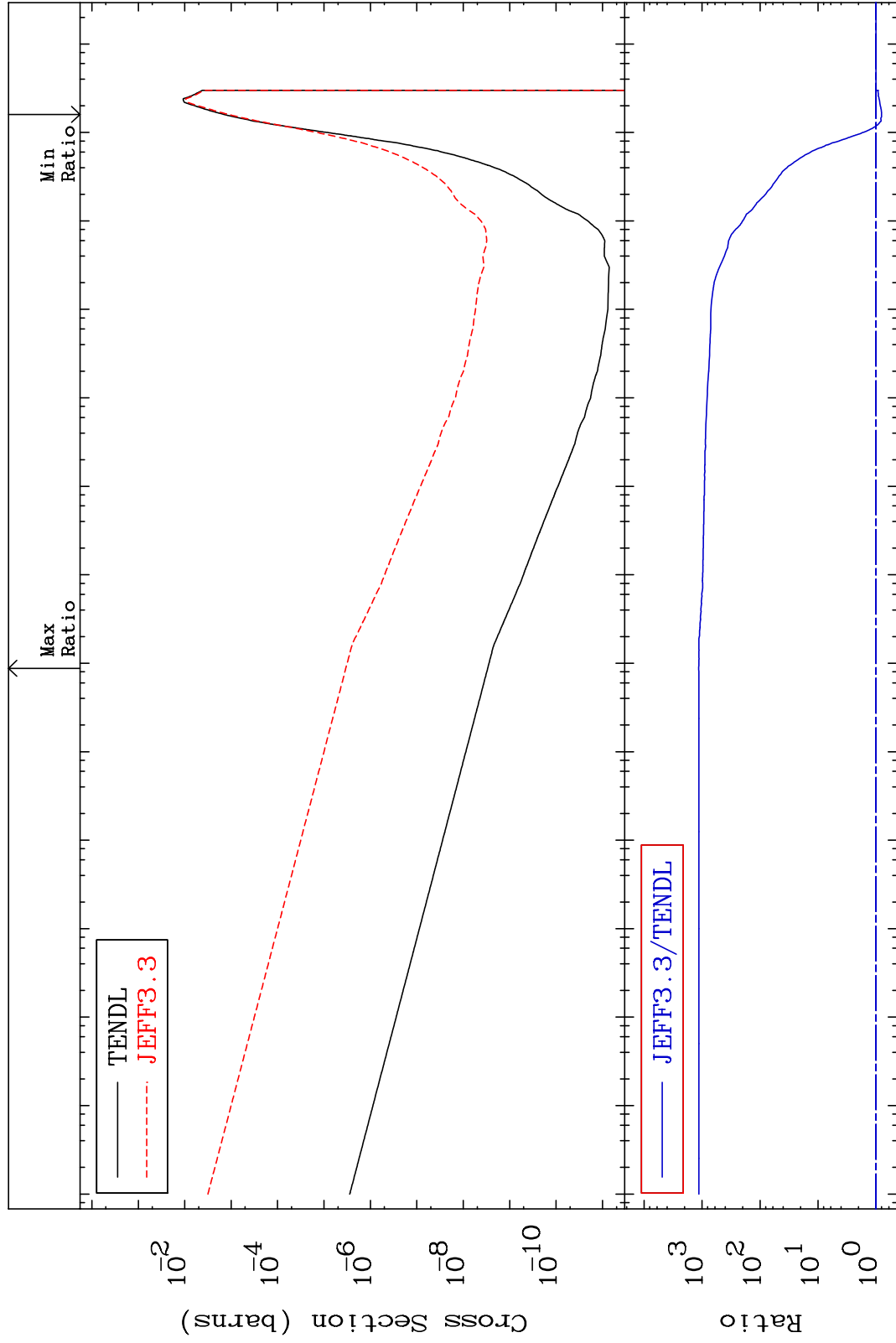
-74.57 To 566.4 %



MAT 8034

(n, α)
Cross Section

80-Hg-199
-19.86 To 9999. %



55

Incident Energy (eV)

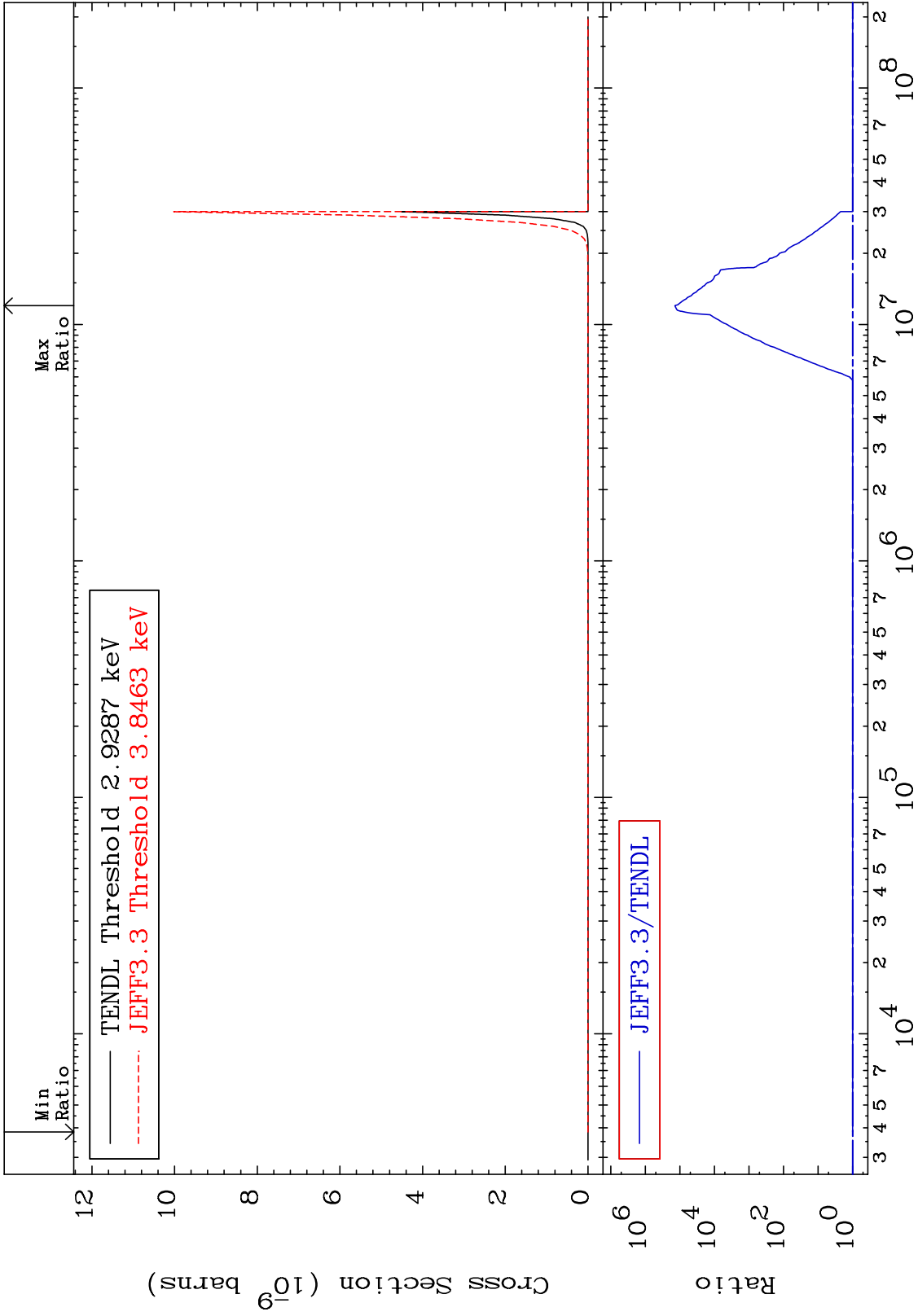
80-Hg-199

MAT 8034

(n, 2α)

80-Hg-199
To 9999. %
0.000

Cross Section



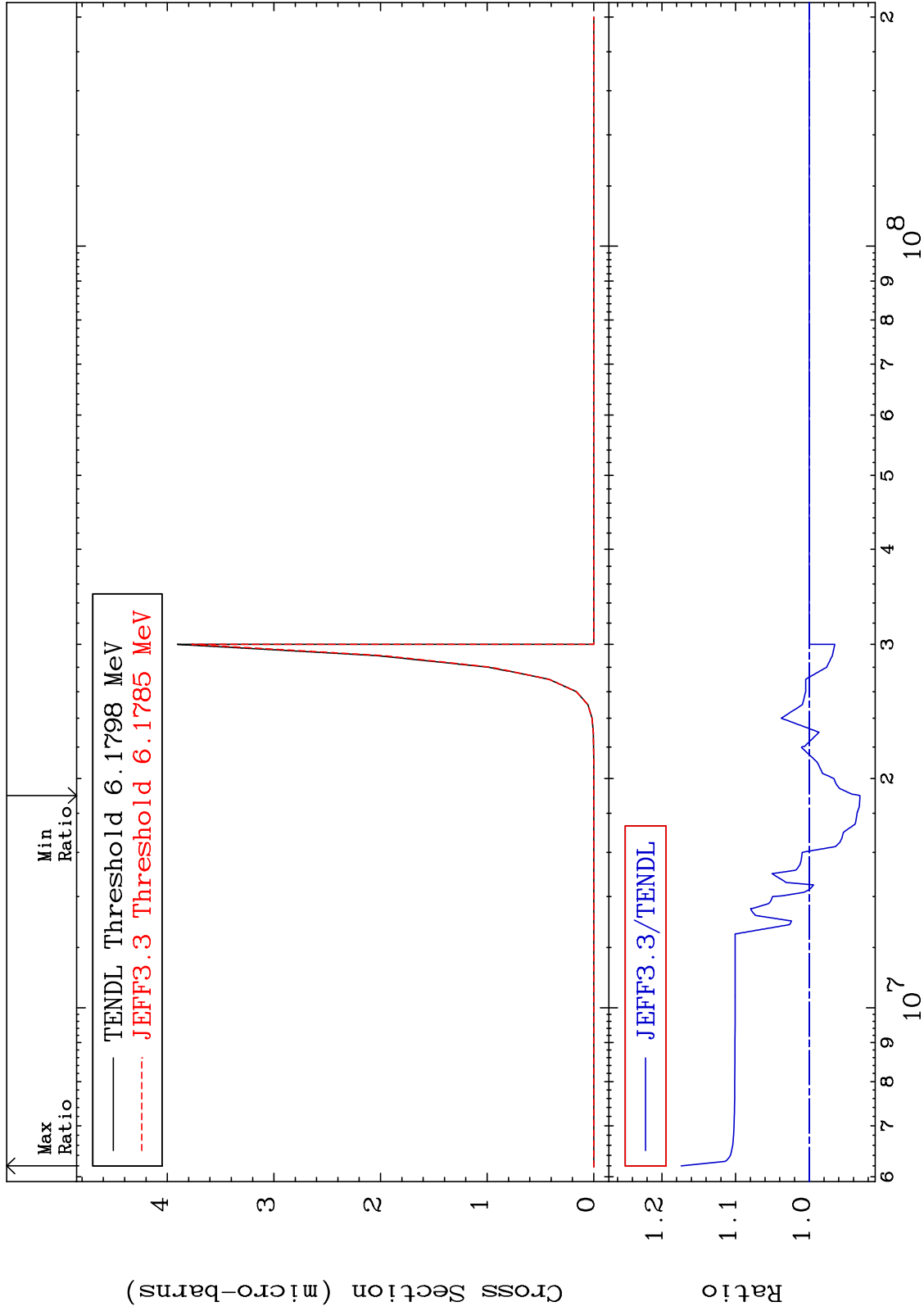
MAT 8034

(n,2p)

80-Hg-199

Cross Section

-6.870 To 17.37 %



57

Incident Energy (eV)

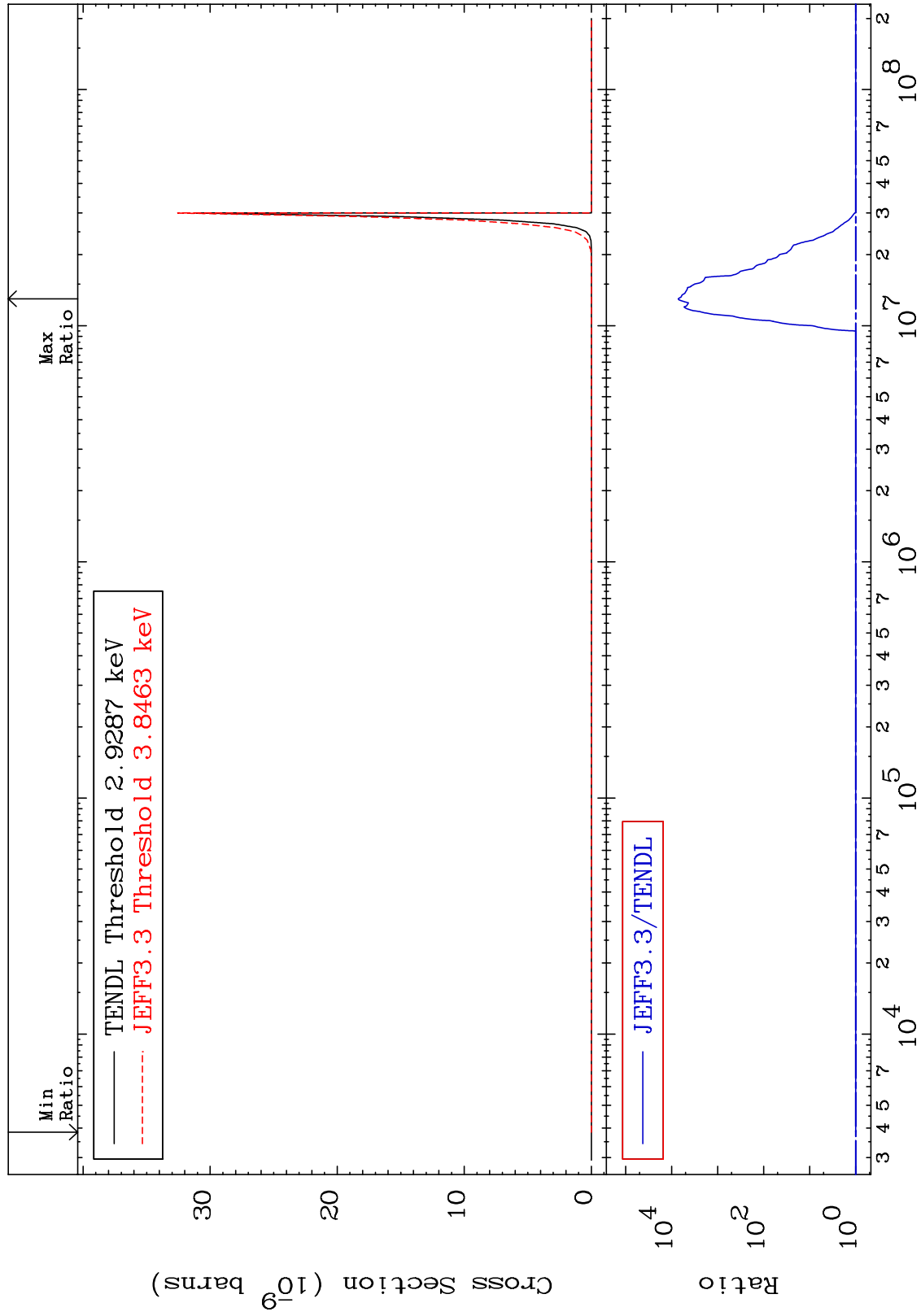
80-Hg-199

MAT 8034

(n,p) α

80-Hg-199
To 9999. %
0.000

Cross Section



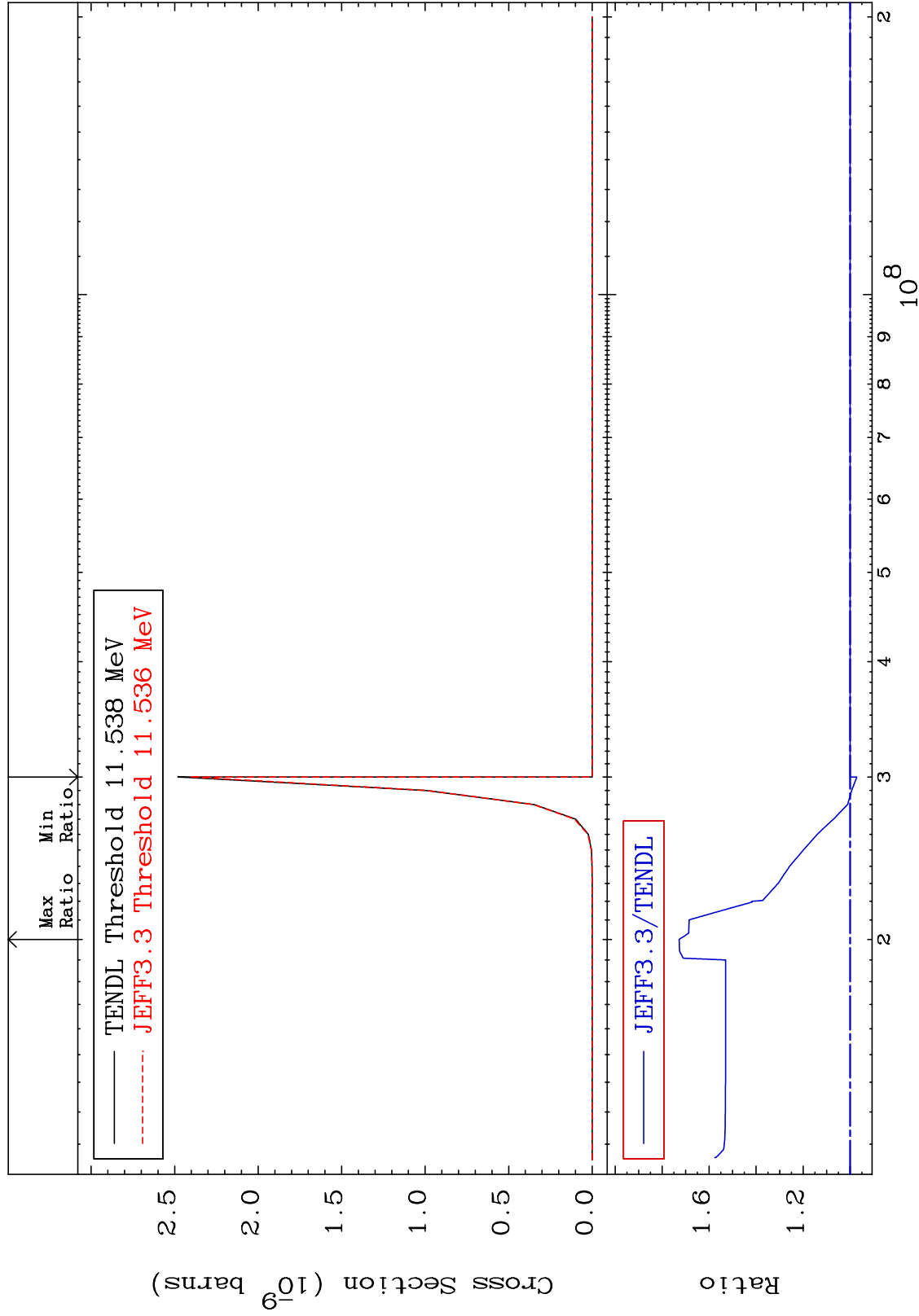
MAT 8034

(n,p) d

80-Hg-199

Cross Section

-2.891 To 72.75 %



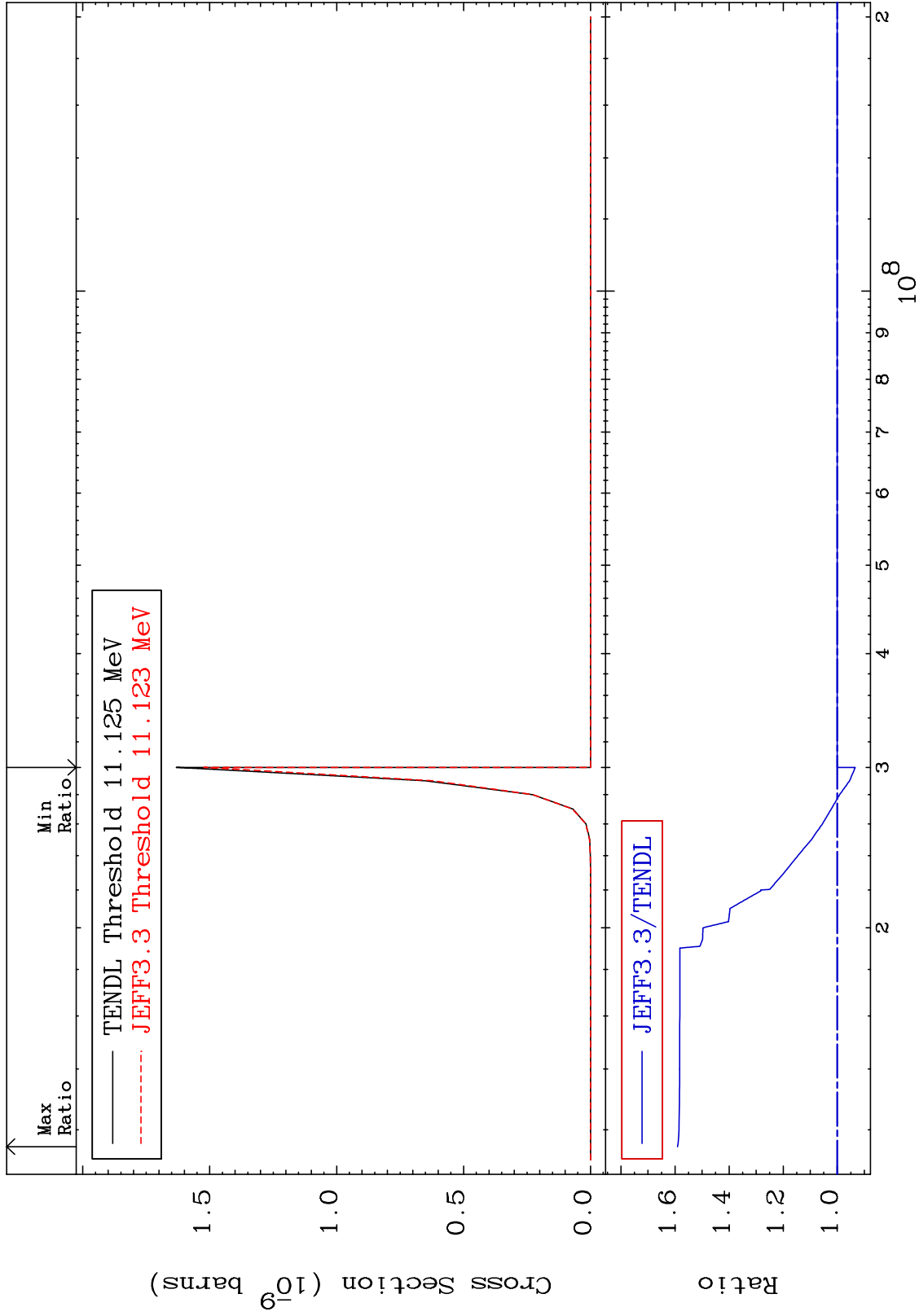
MAT 8034

(n,p) t

80-Hg-199

Cross Section

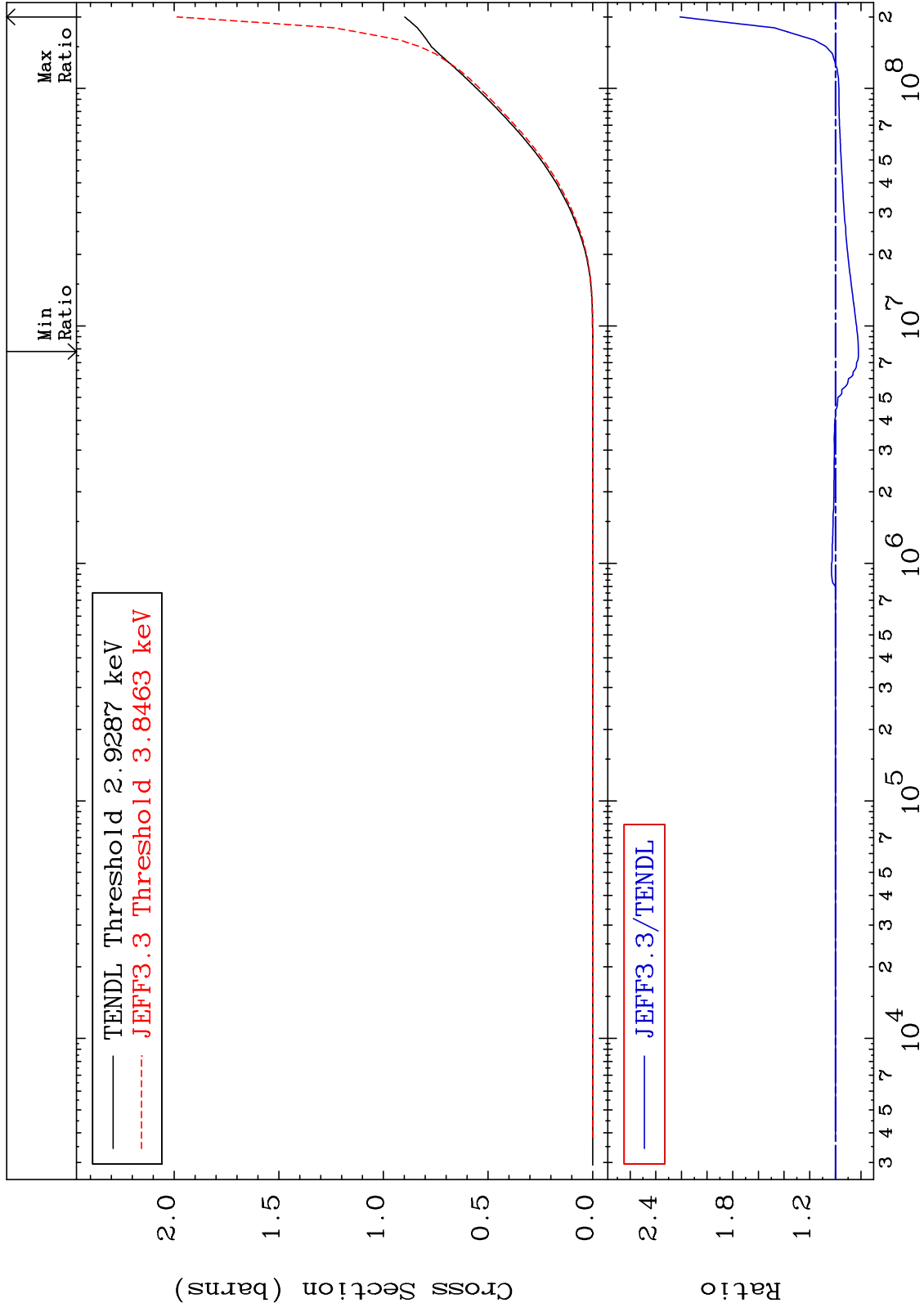
-6.664 To 59.08 %



MAT 8034

Hydrogen Production
Cross Section

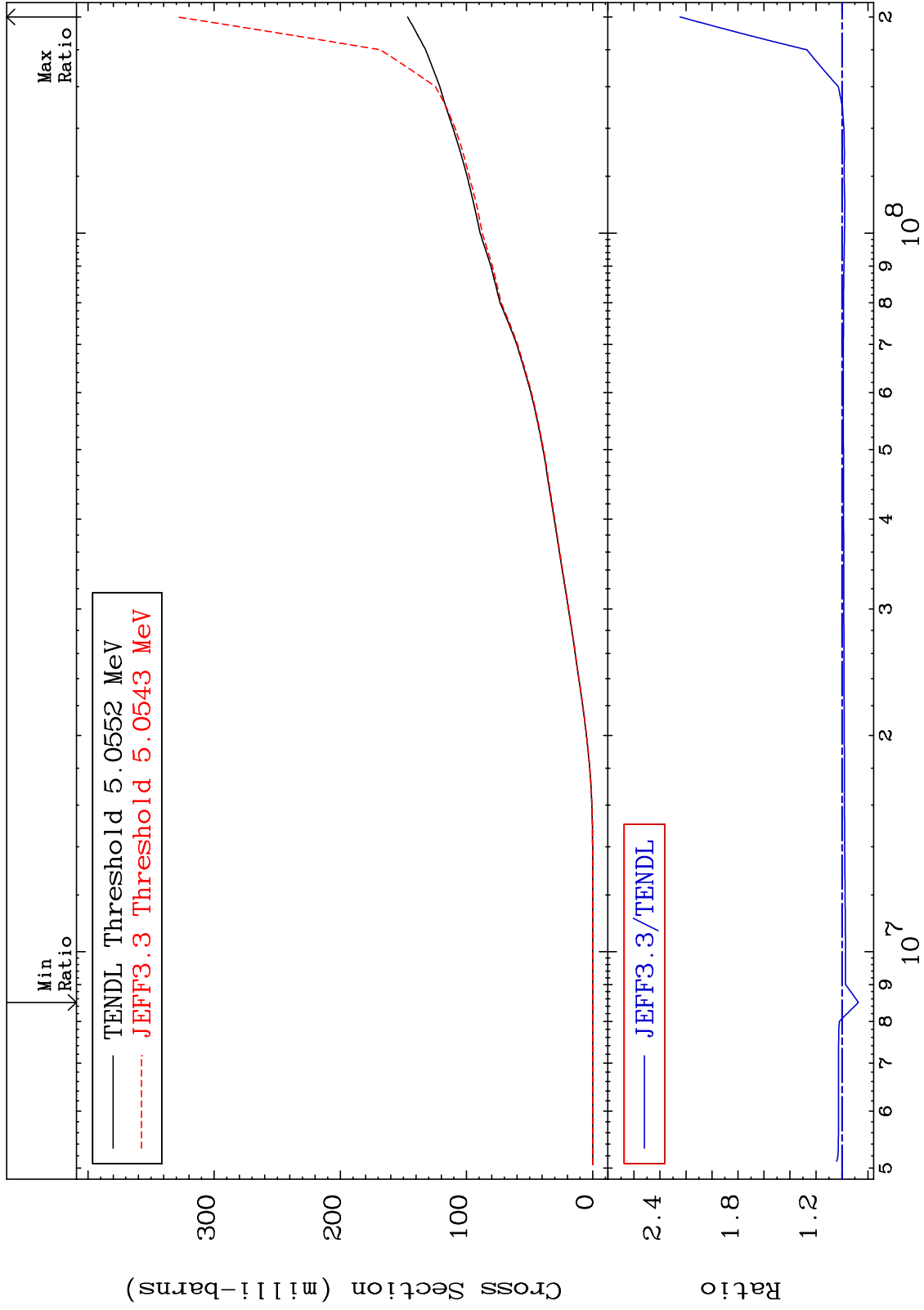
80-Hg-199
-17.96 To 121.1 %



MAT 8034

Deuterium Production
Cross Section

80-Hg-199
-12.66 To 124.6 %



62

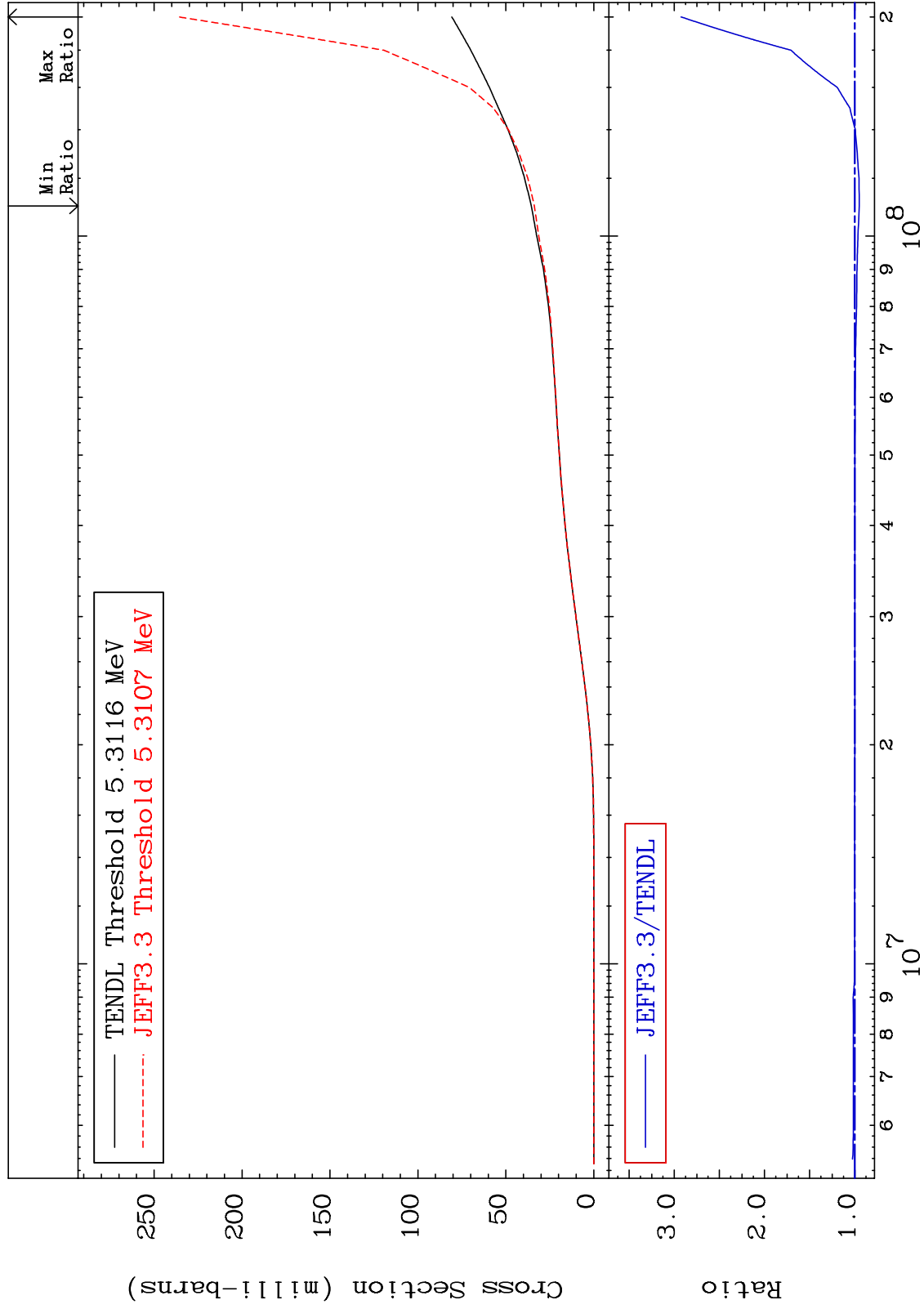
Incident Energy (eV)

80-Hg-199

MAT 8034

Tritium Production
Cross Section

80-Hg-199
-5.000 To 192.5 %



63

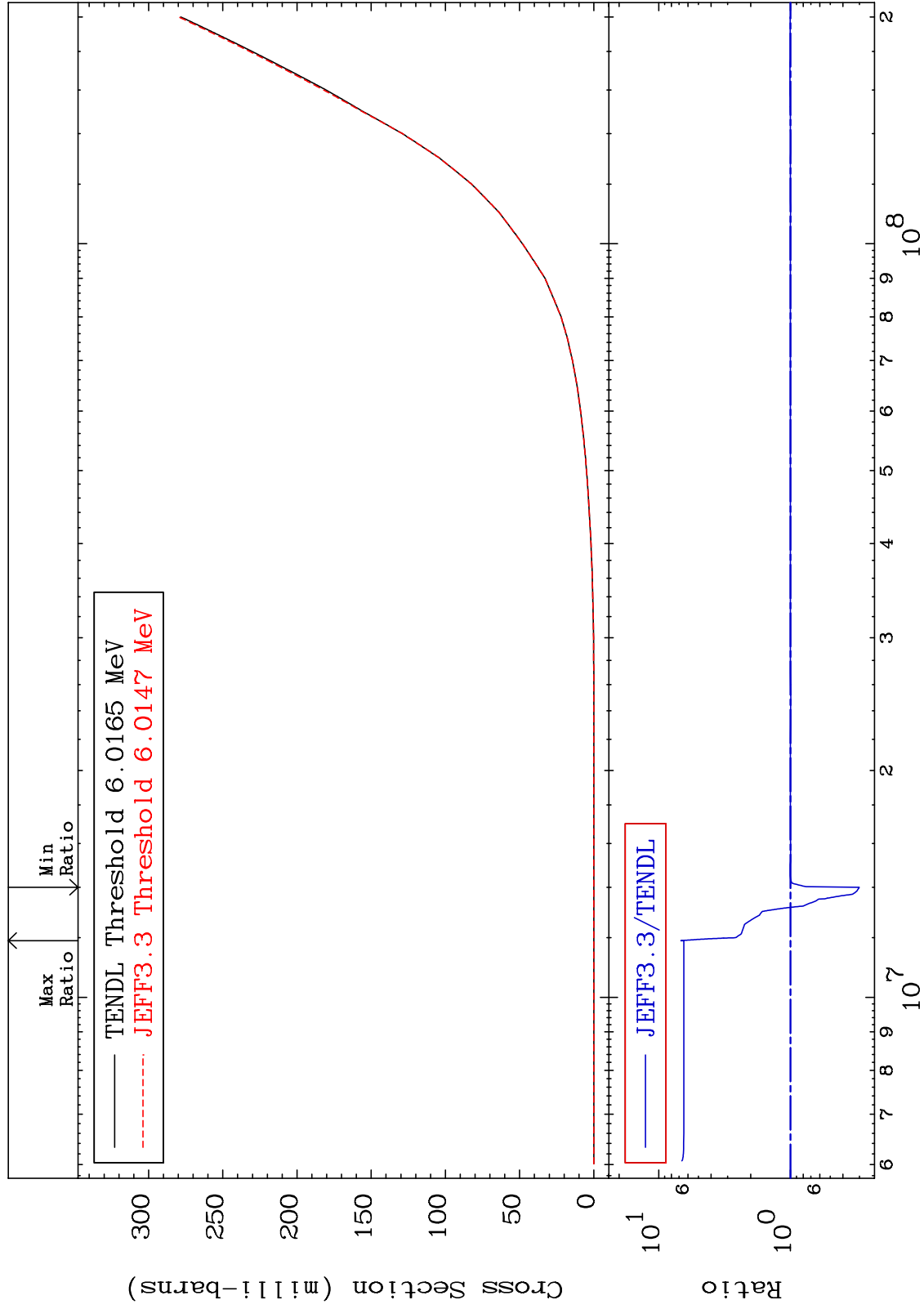
Incident Energy (eV)

80-Hg-199

MAT 8034

He-3 Production
Cross Section

80-Hg-199
-69.95 To 576.7 %



64

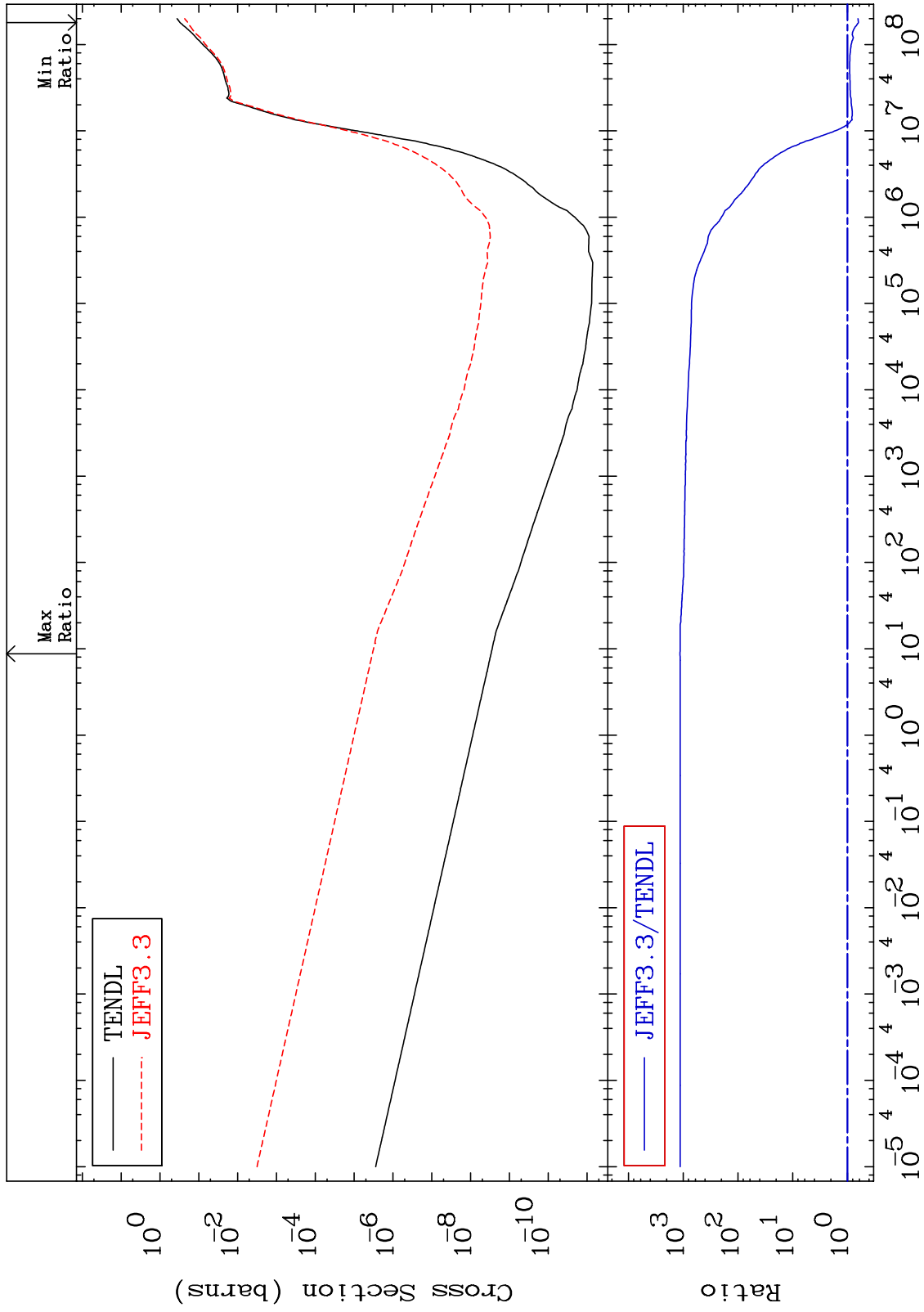
Incident Energy (eV)

80-Hg-199

MAT 8034

He-4 Production
Cross Section

80-Hg-199
-37.18 To 9999. %



65

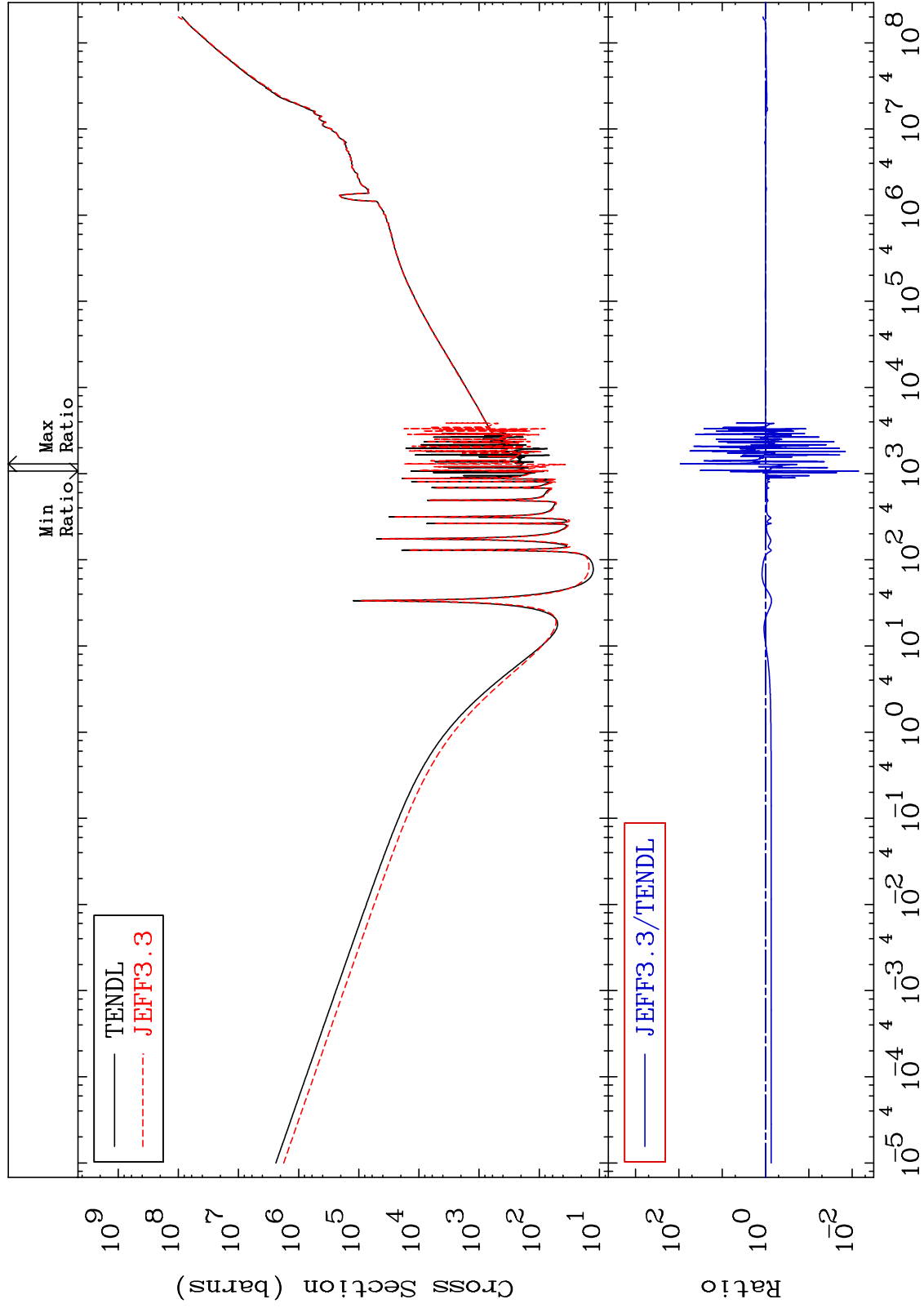
Incident Energy (eV)

80-Hg-199

MAT 8034

Kerma total (eV-barns)
Cross Section

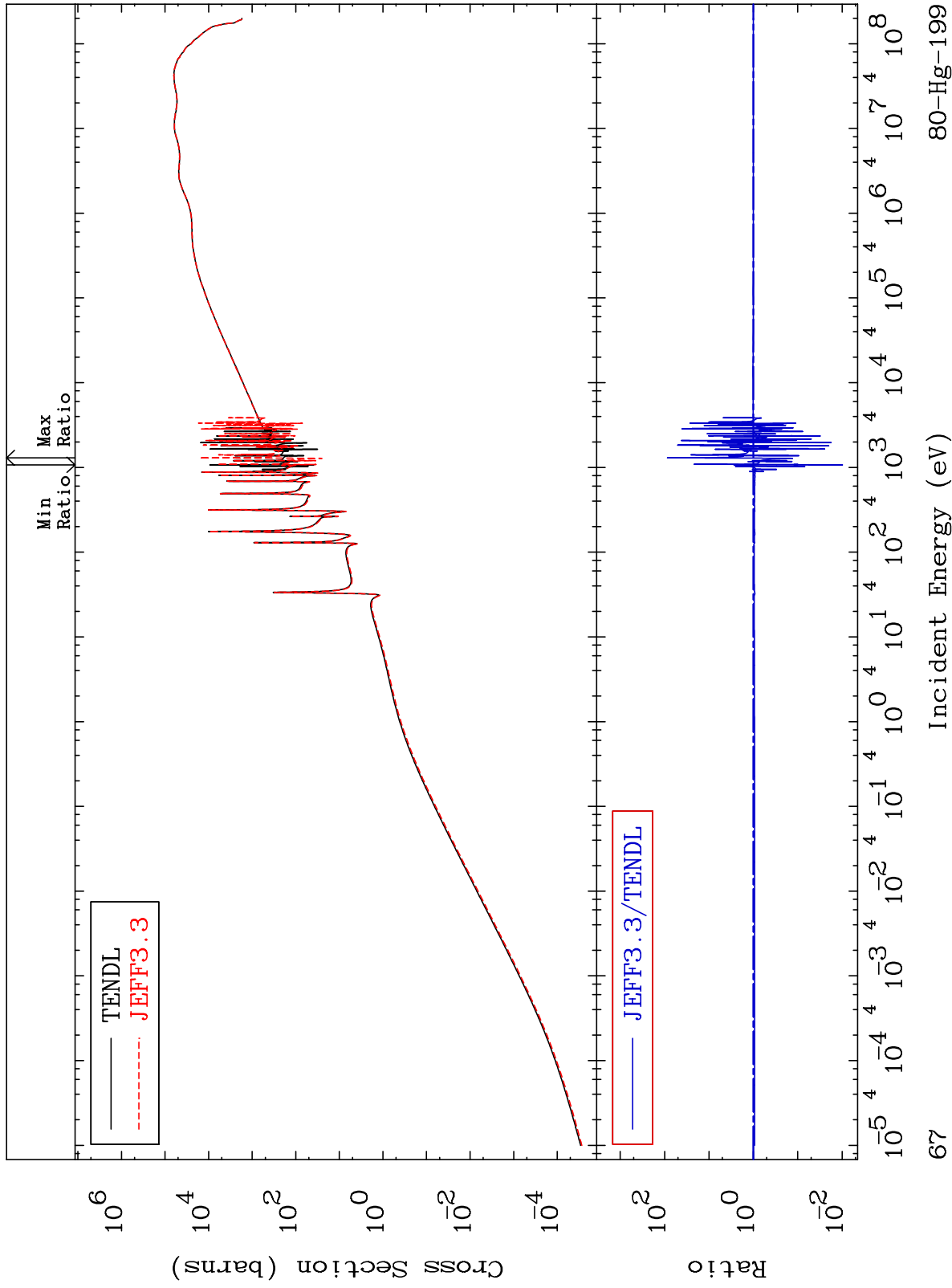
80-Hg-199
-99.28 To 9134. %



MAT 8034

Kerma elastic
Cross Section

80-Hg-199
-99.03 To 8479. %



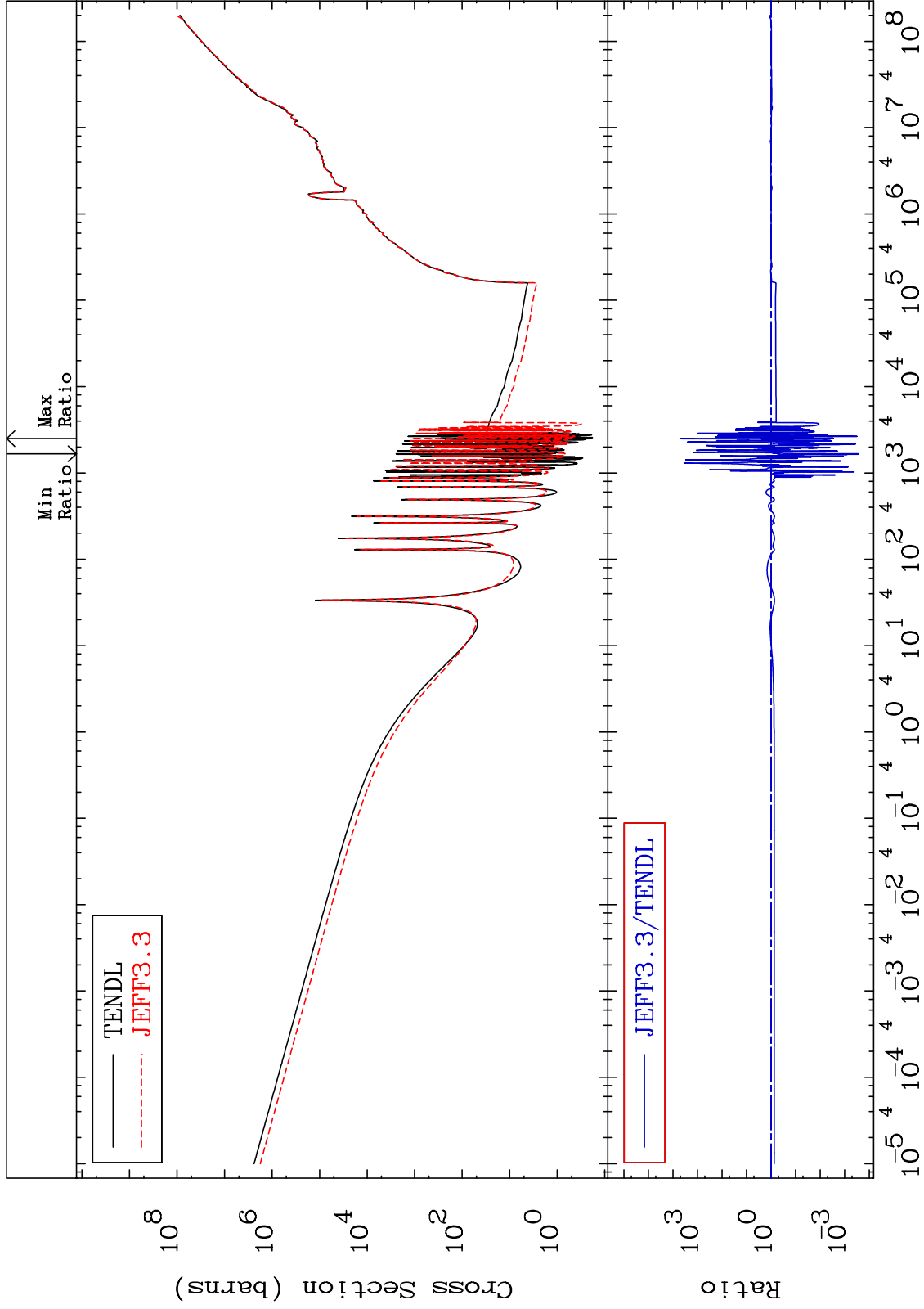
67

80-Hg-199

MAT 8034

Kerma non-elastic (all but mt2)
Cross Section

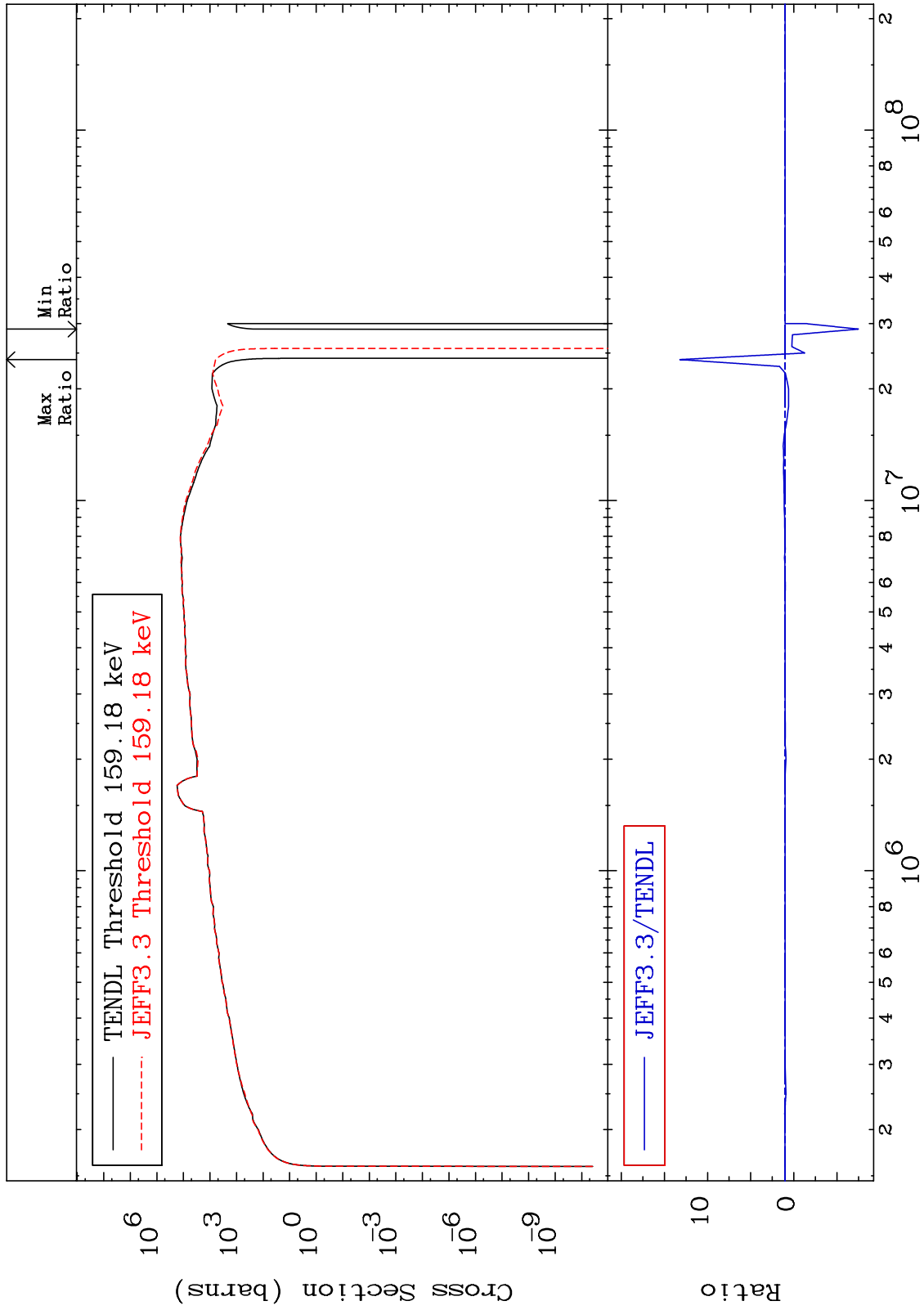
80-Hg-199
-99.97 To 9999. %



MAT 8034

Kerma inelastic (mt51-91)
Cross Section

80-Hg-199
-849.1 To 1219. %



69

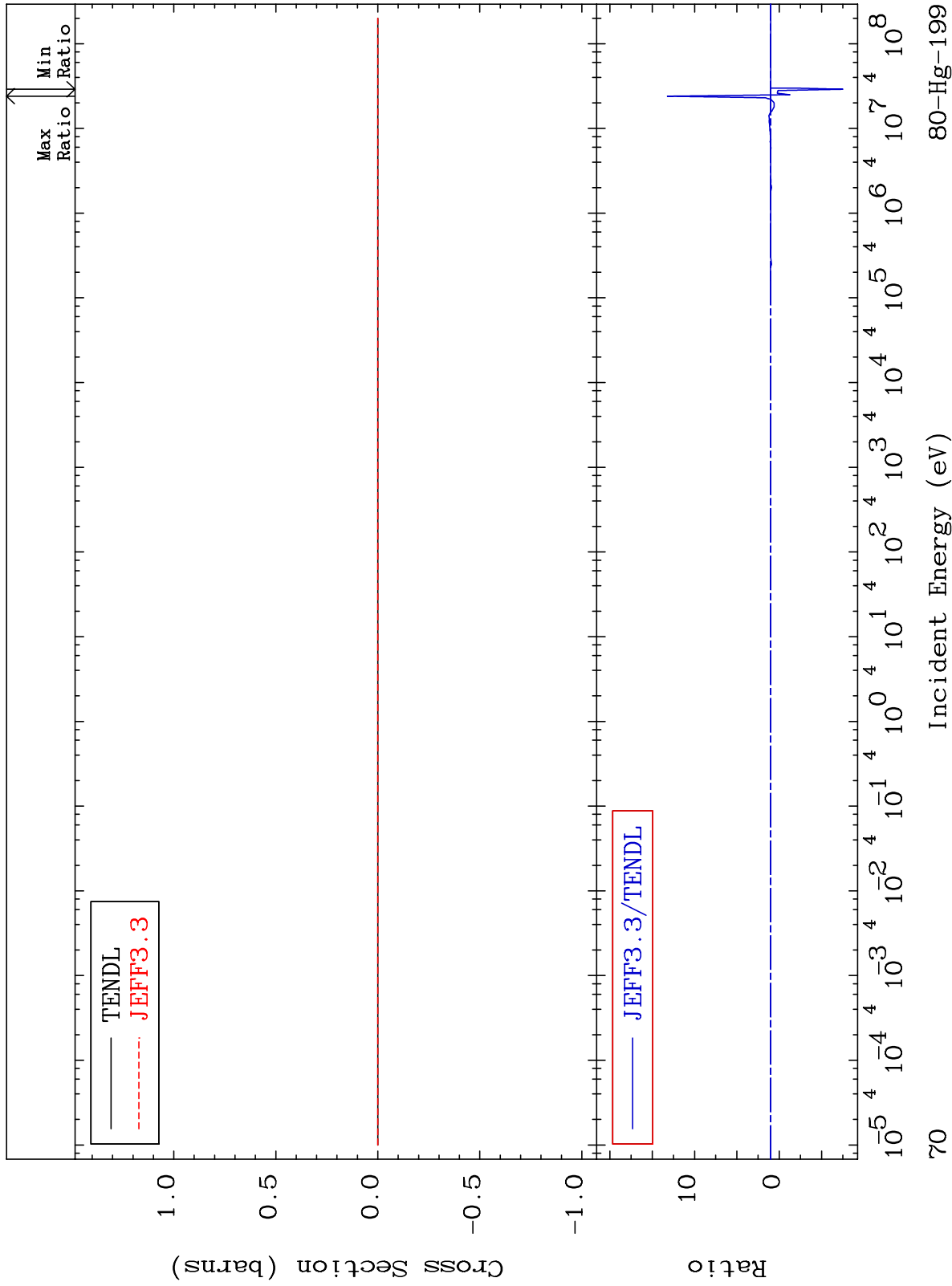
Incident Energy (eV)

80-Hg-199

MAT 8034

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

80-Hg-199
-849.1 To 1219. %



80-Hg-199

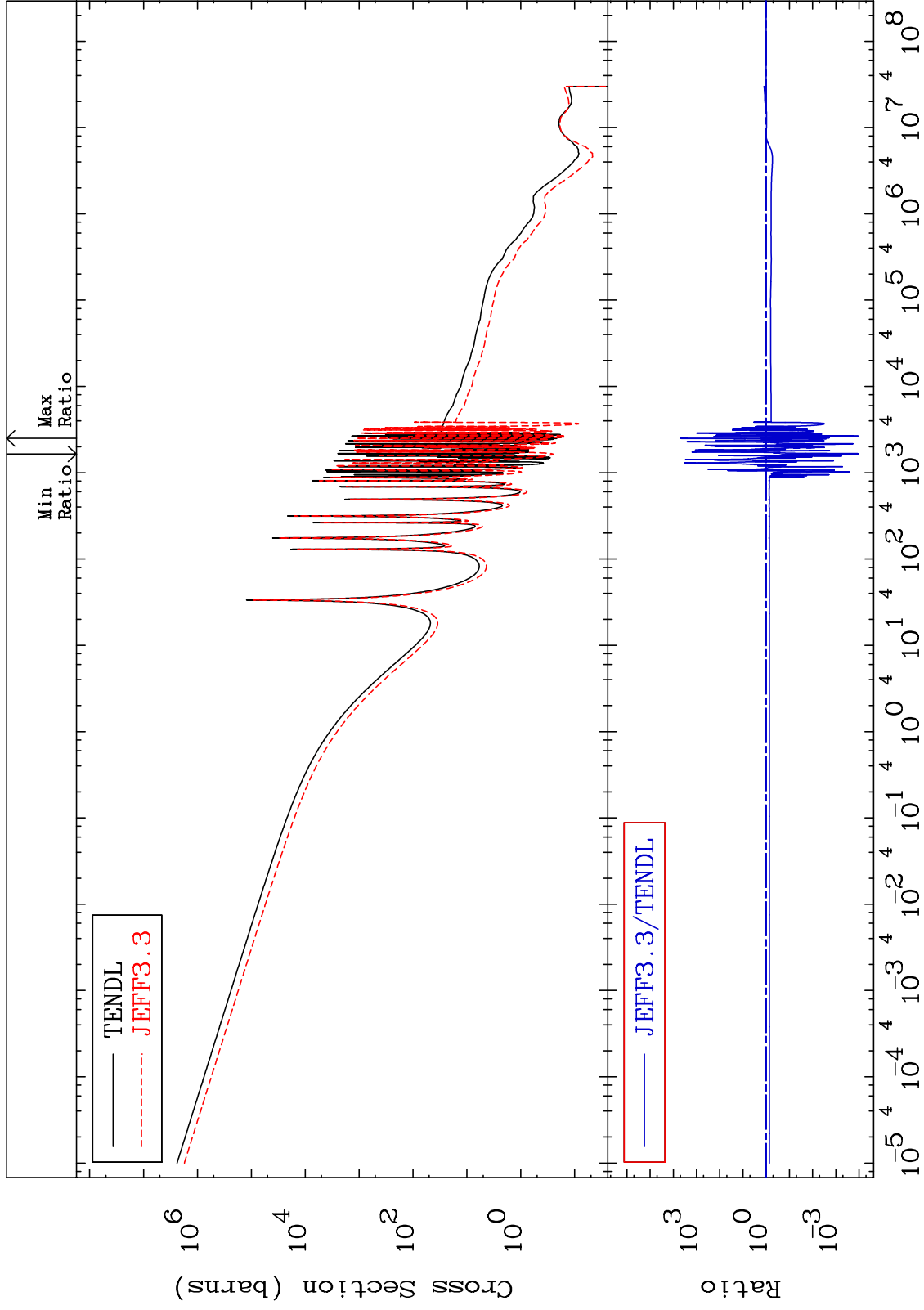
Incident Energy (eV)

70

MAT 8034

Kerma capture (mt102)
Cross Section

80-Hg-199
-99.99 To 9999. %



71

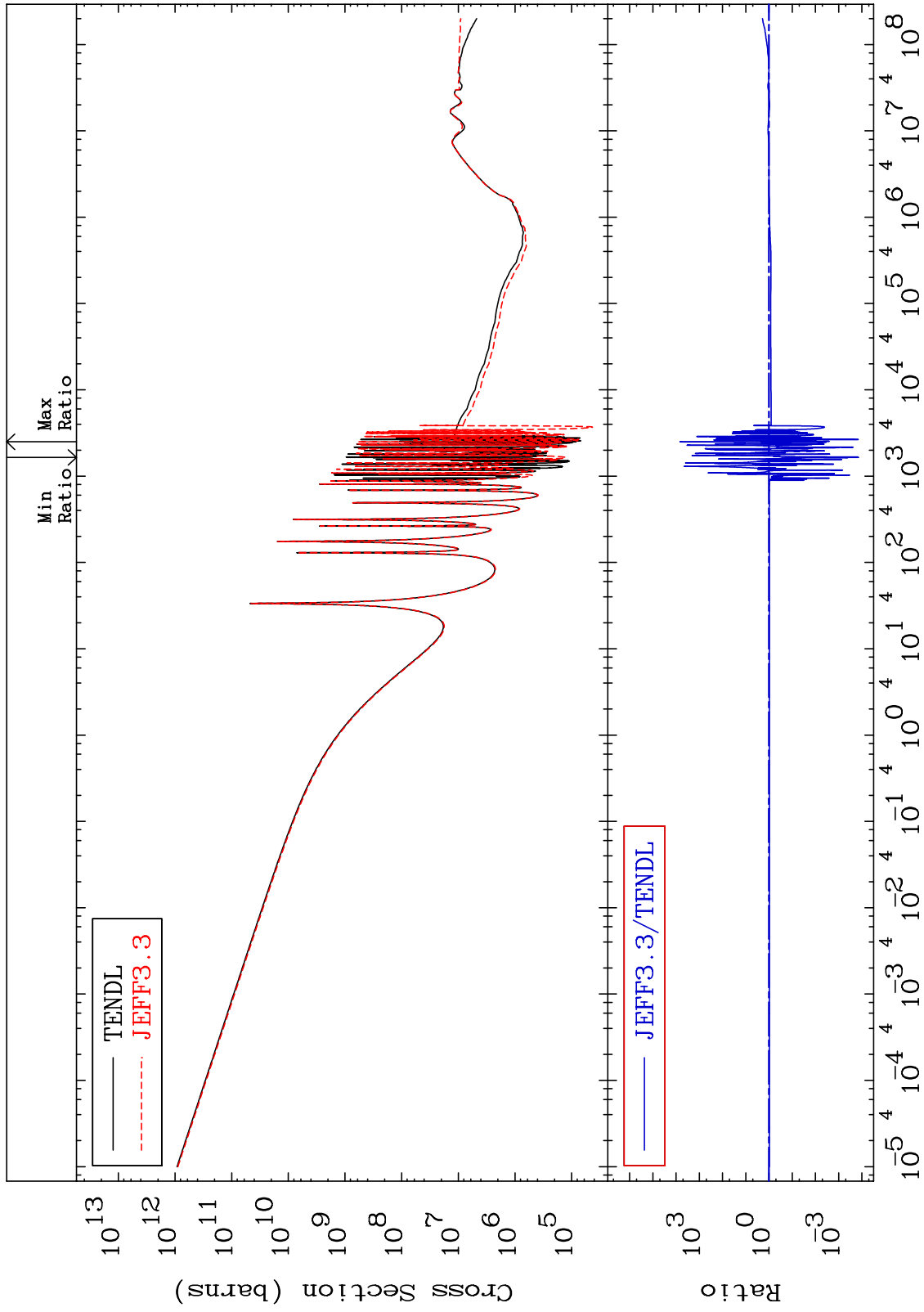
Incident Energy (eV)

80-Hg-199

MAT 8034

Total photon (eV-barns)
Cross Section

80-Hg-199
-99.99 To 9999. %



72

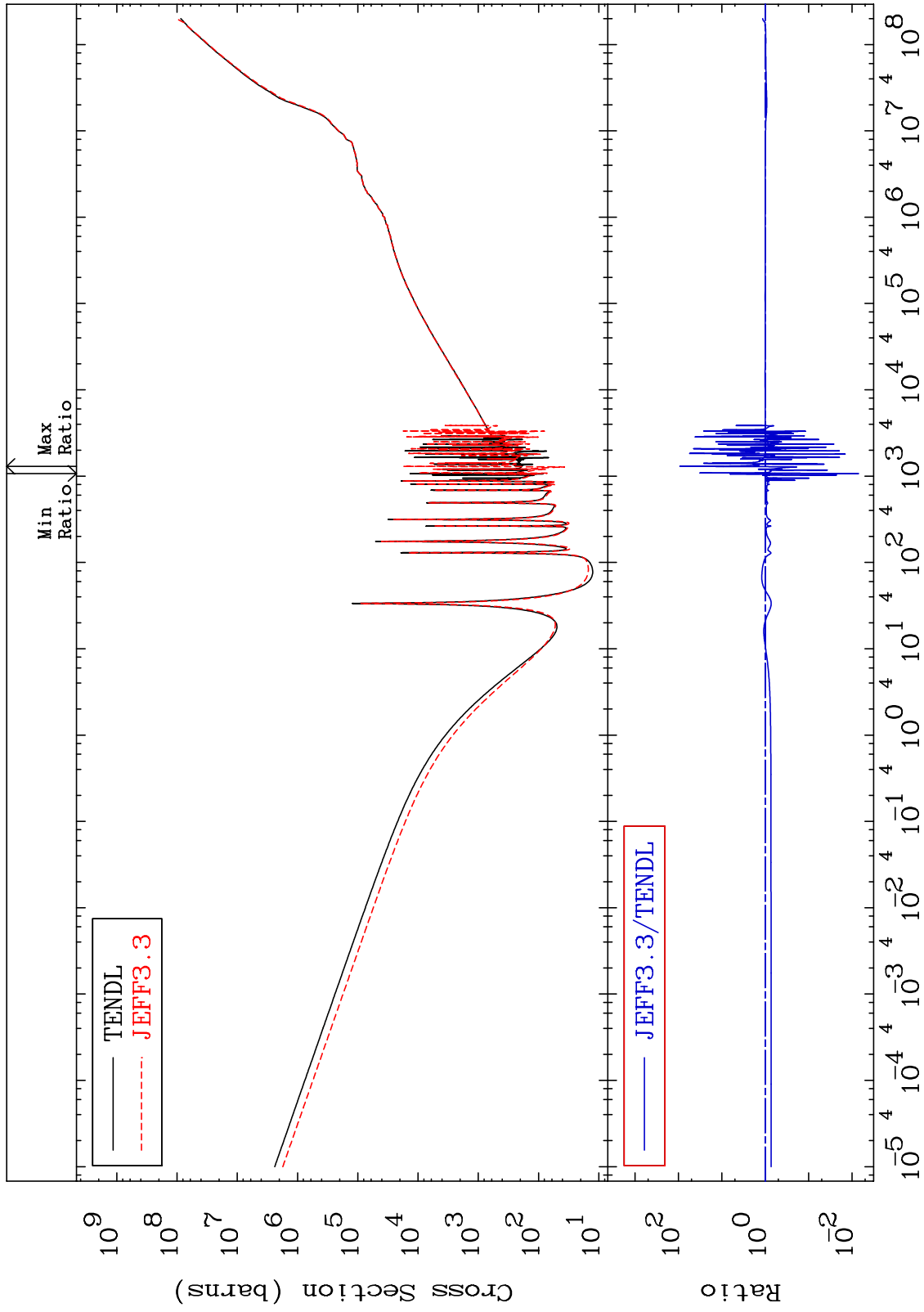
Incident Energy (eV)

80-Hg-199

MAT 8034

Total kinematic kerma (high limit)
Cross Section

80-Hg-199
-99.28 To 9134. %



73

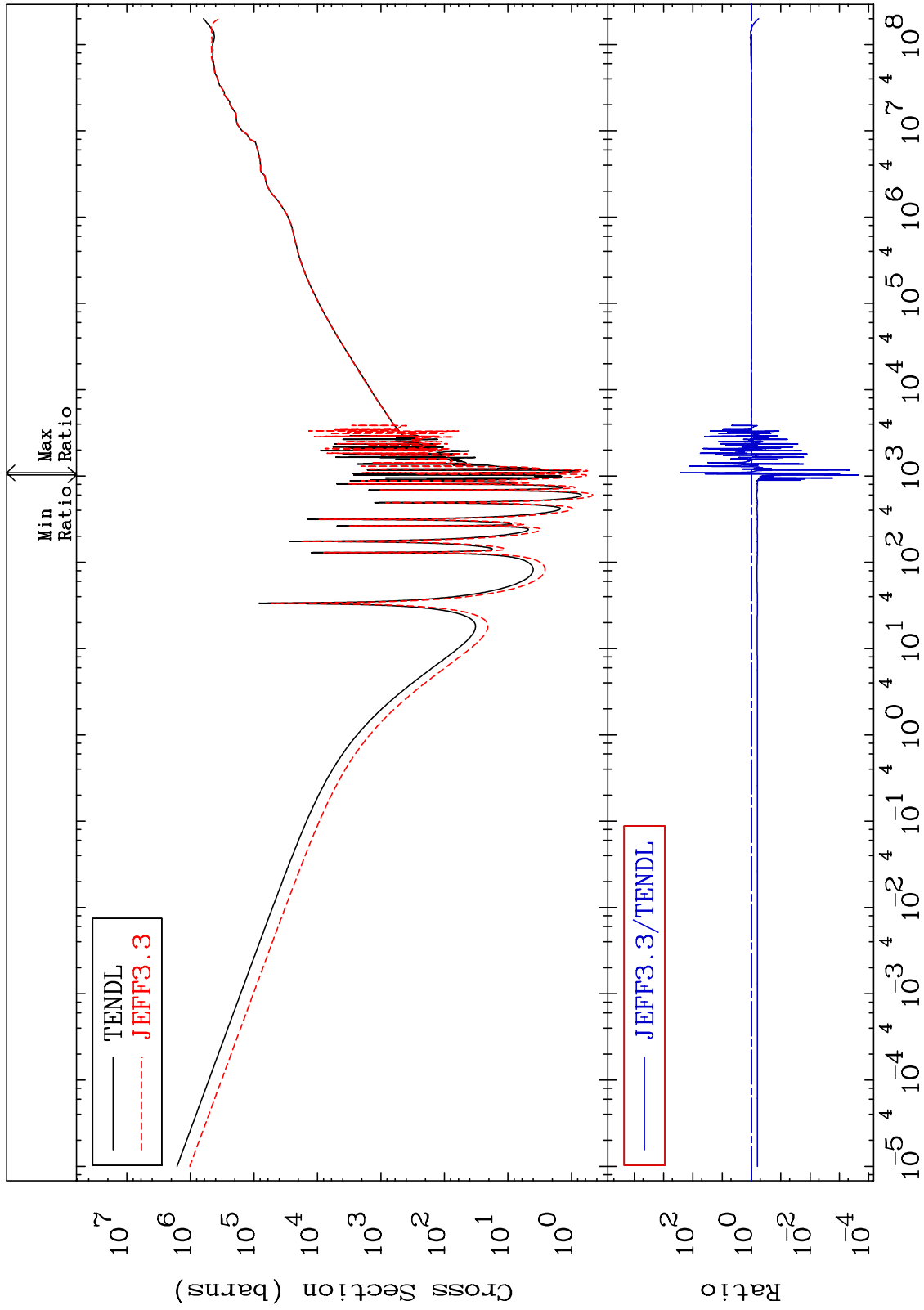
Incident Energy (eV)

80-Hg-199

MAT 8034

Dpa total (eV-barns)
Cross Section

80-Hg-199
-99.98 To 9999. %



74

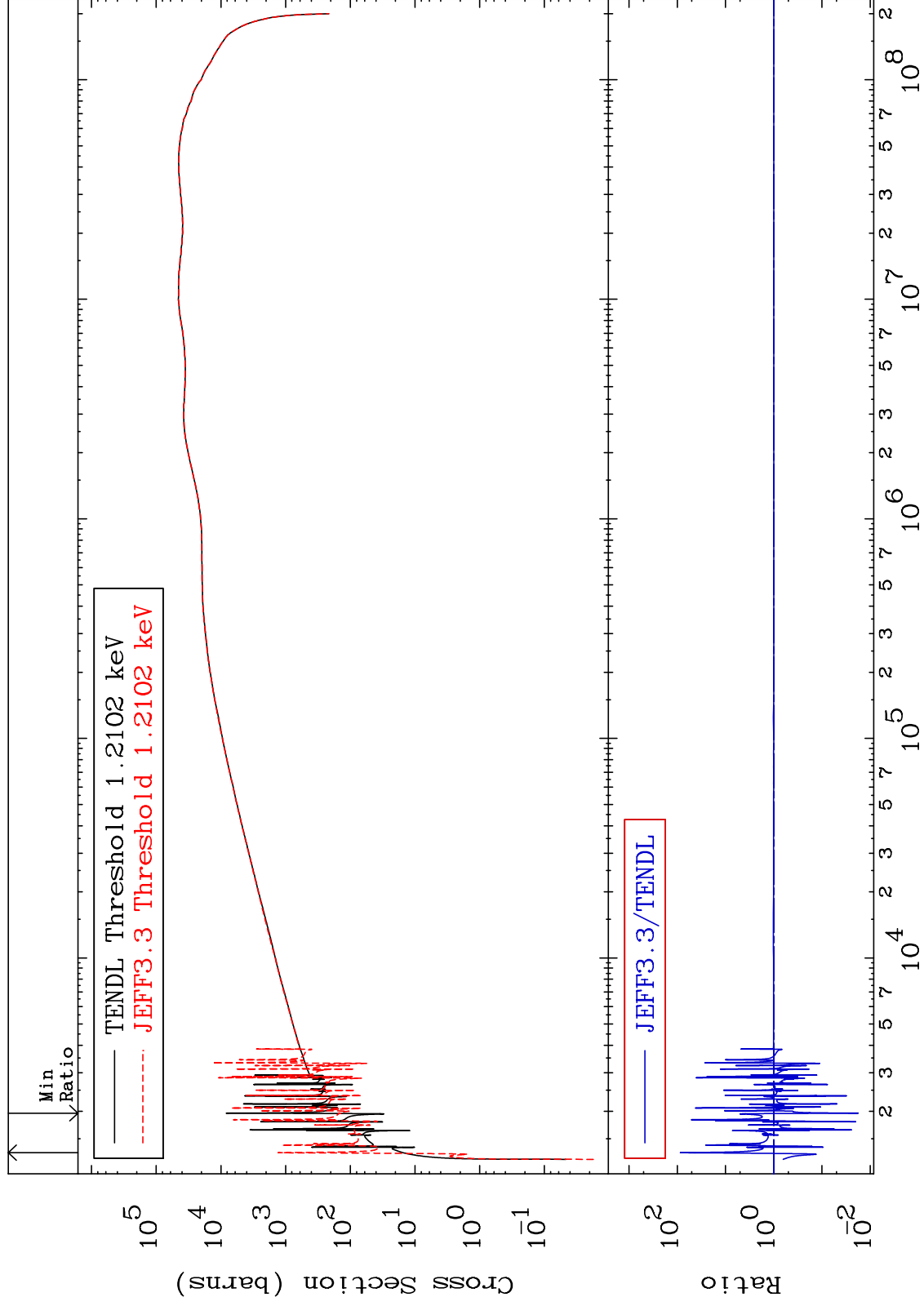
Incident Energy (eV)

80-Hg-199

MAT 8034

Dpa elastic (mt2)
Cross Section

80-Hg-199
-98.25 To 8480. %



75

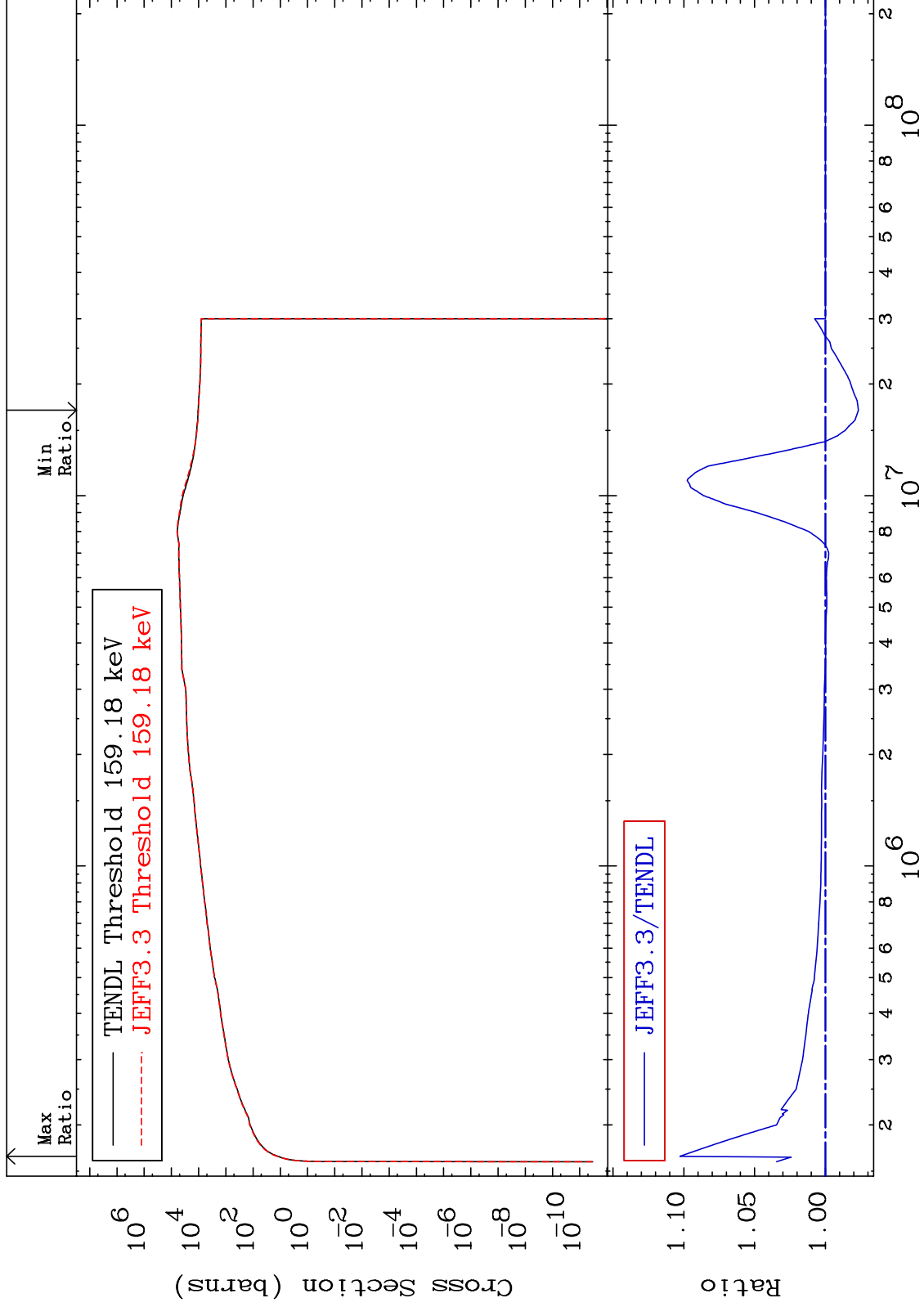
Incident Energy (eV)

80-Hg-199

MAT 8034

Dpa inelastic (mt51-91)
Cross Section

80-Hg-199
-2.328 To 10.27 %



76

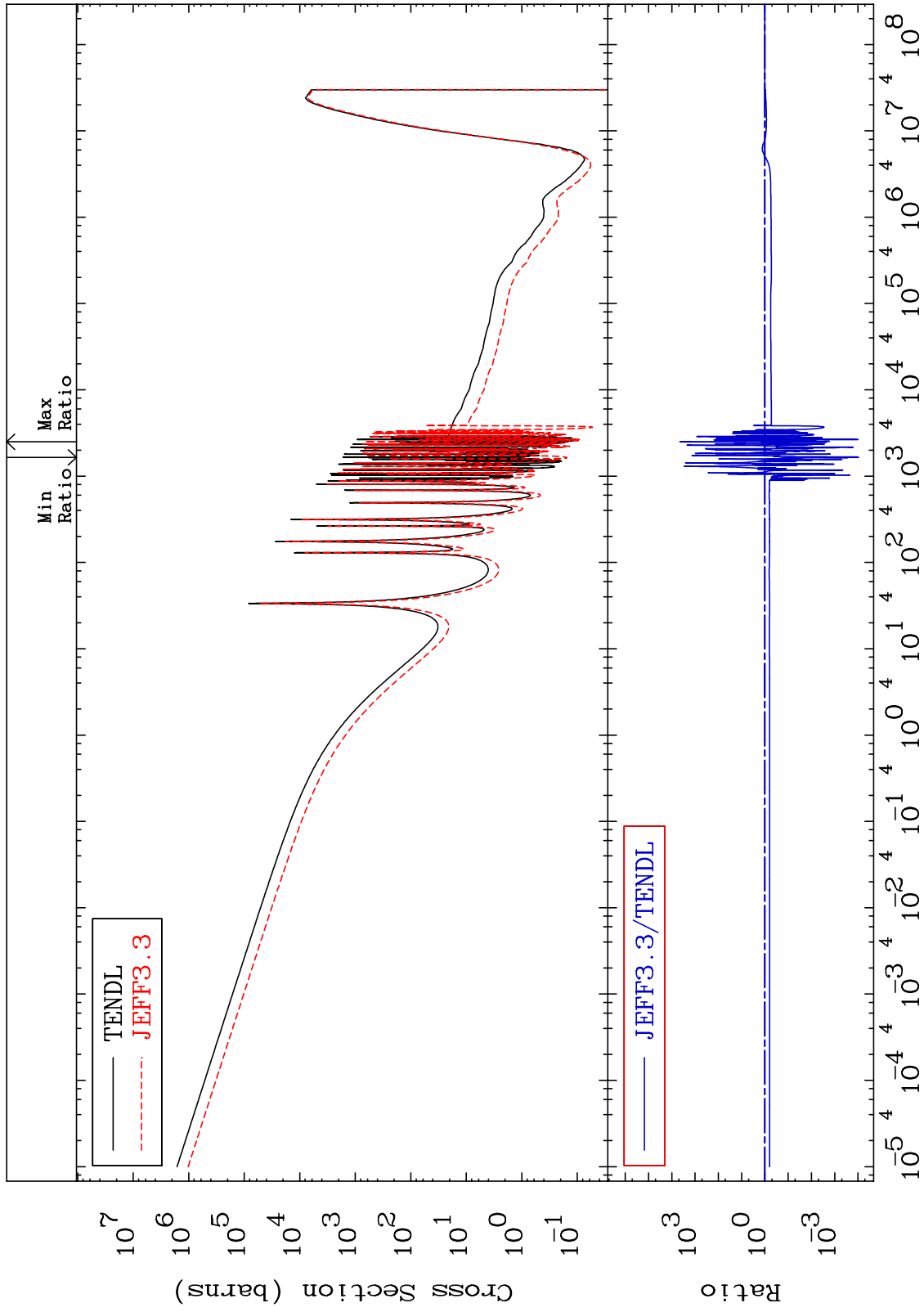
Incident Energy (eV)

80-Hg-199

MAT 8034

Dpa disappearance (mt102 -120)
Cross Section

80-Hg-199
-99.99 To 9999. %



77

Incident Energy (eV)

80-Hg-199

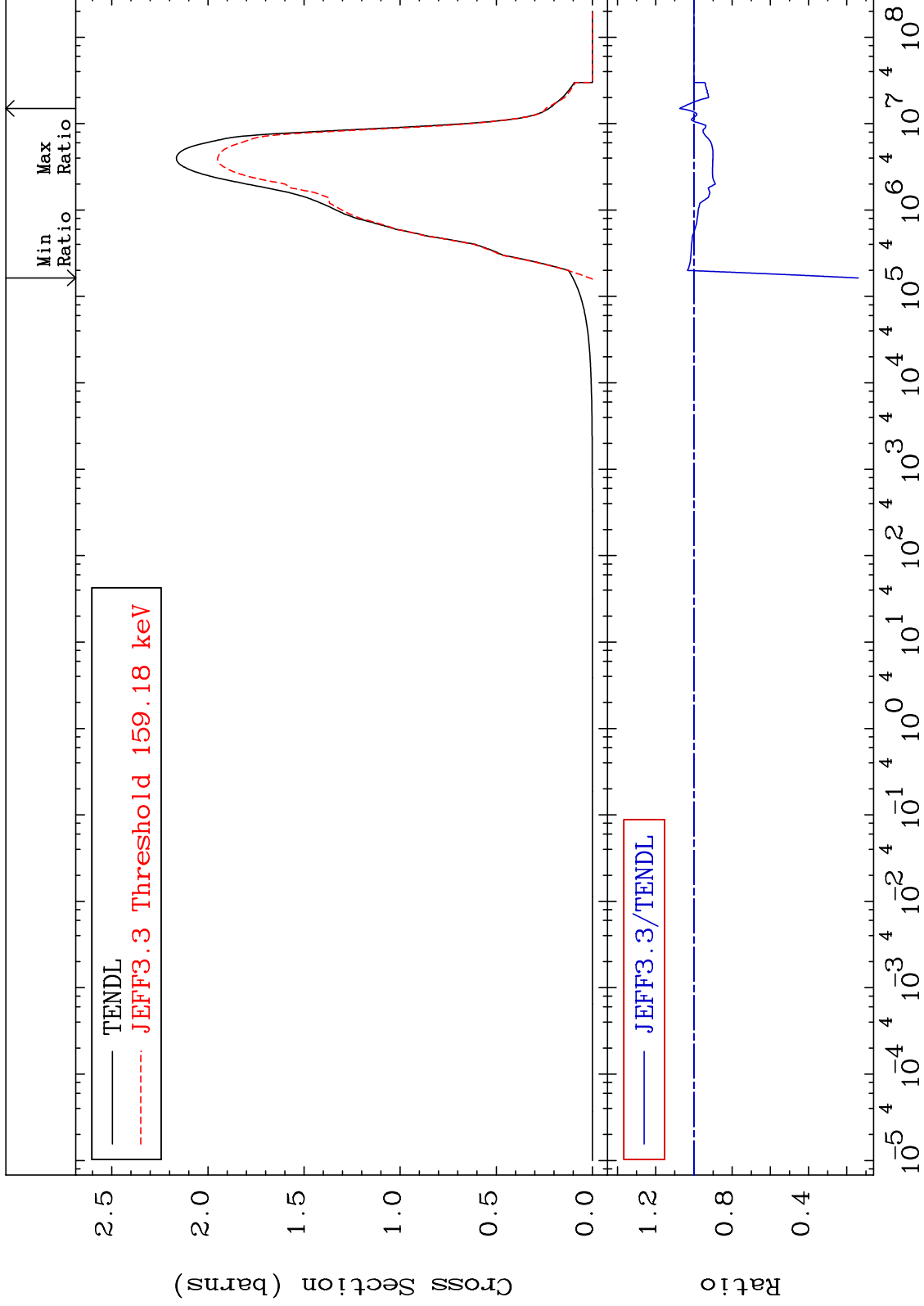
MAT 8034

Inelastic: 80-Hg-199

80-Hg-199

Radionuclide Production Cross Section

-86.06 To 7.392 %



78

Incident Energy (eV)

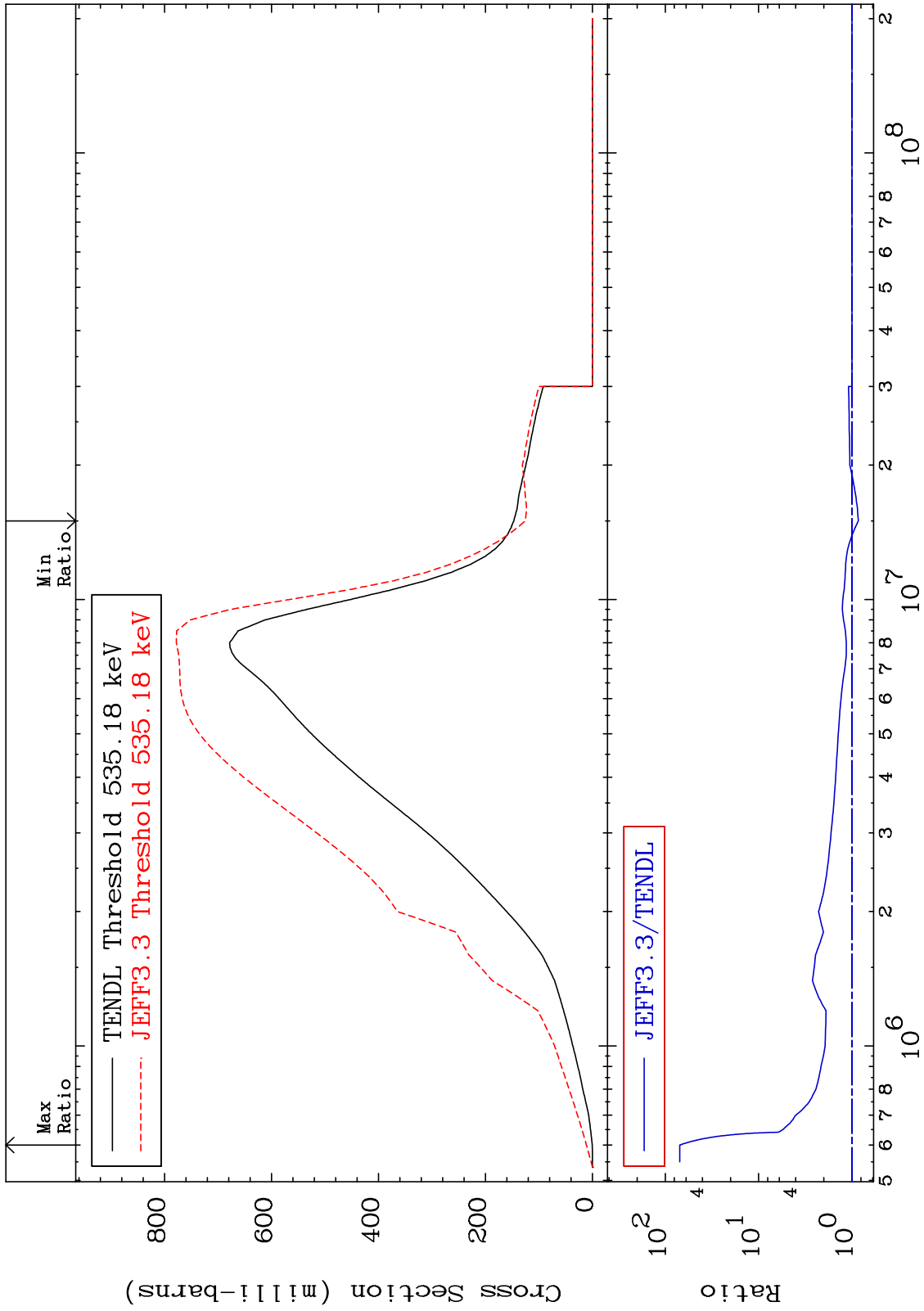
80-Hg-199

MAT 8034

Inelastic:80-Hg-199m7

80-Hg-199

Radionuclide Production Cross Section -14.70 To 6886. %



79

Incident Energy (eV)

80-Hg-199

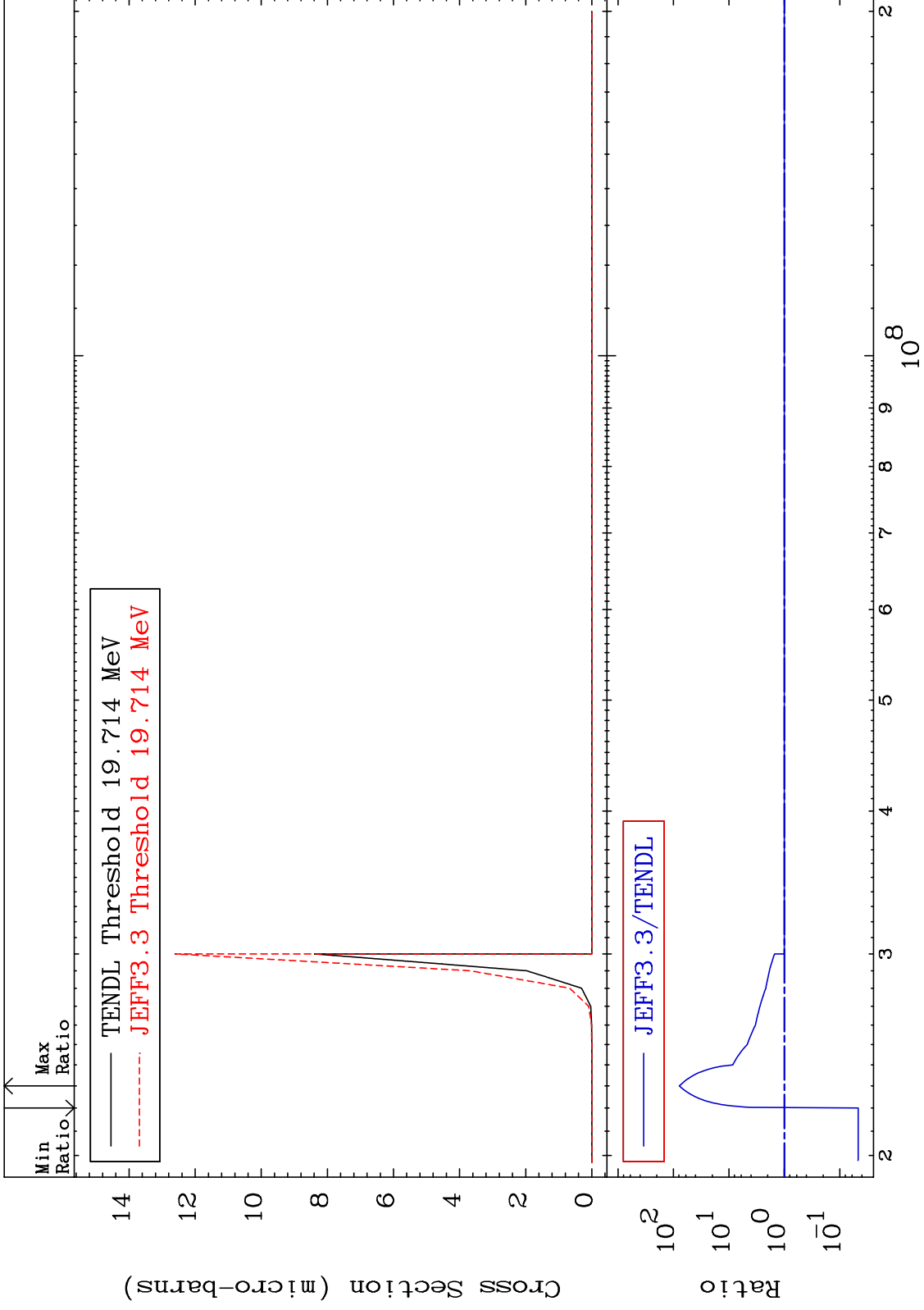
MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section

-95.35 To 7737. %



80

Incident Energy (eV)

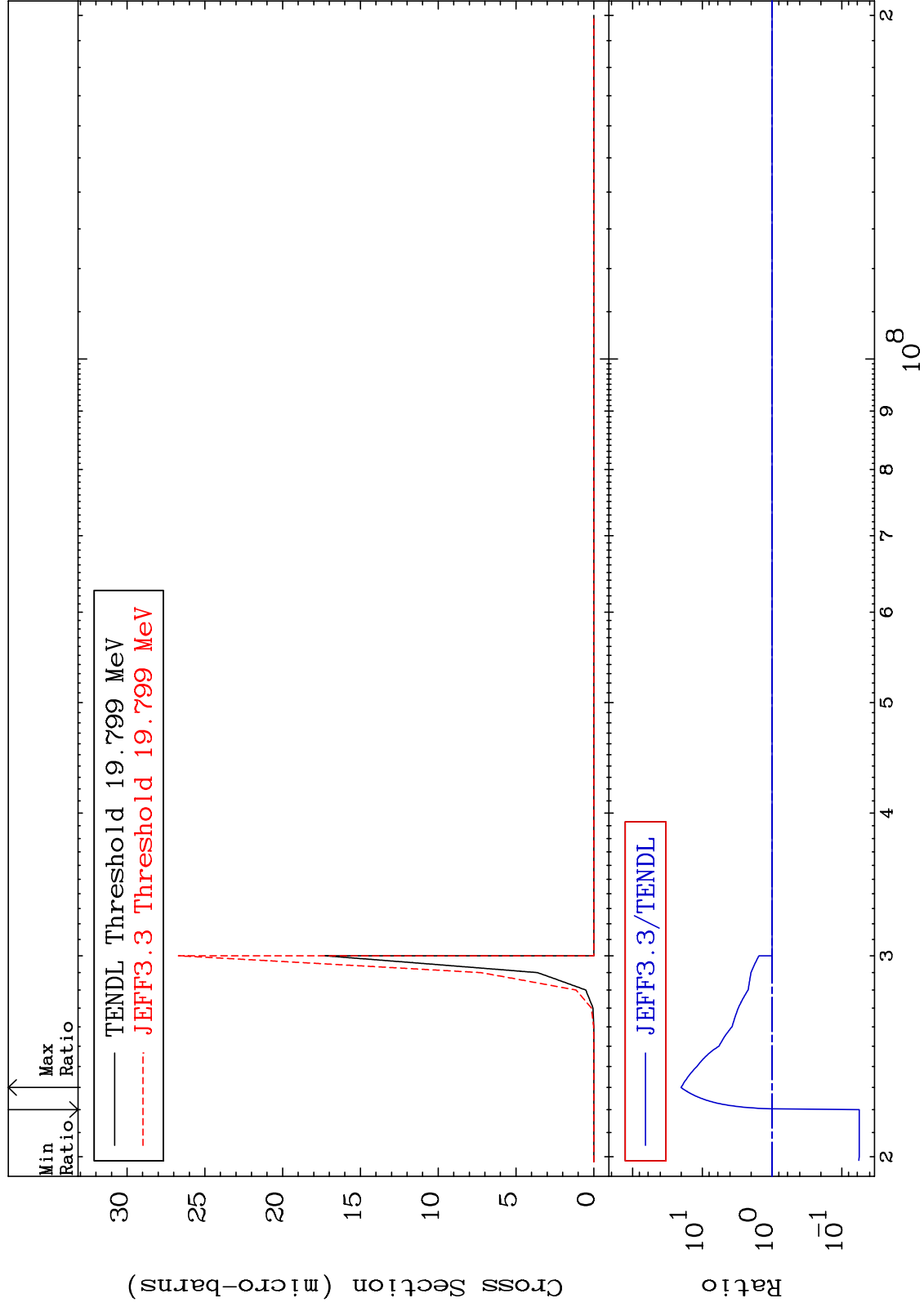
80-Hg-199

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -94.37 To 1915. %

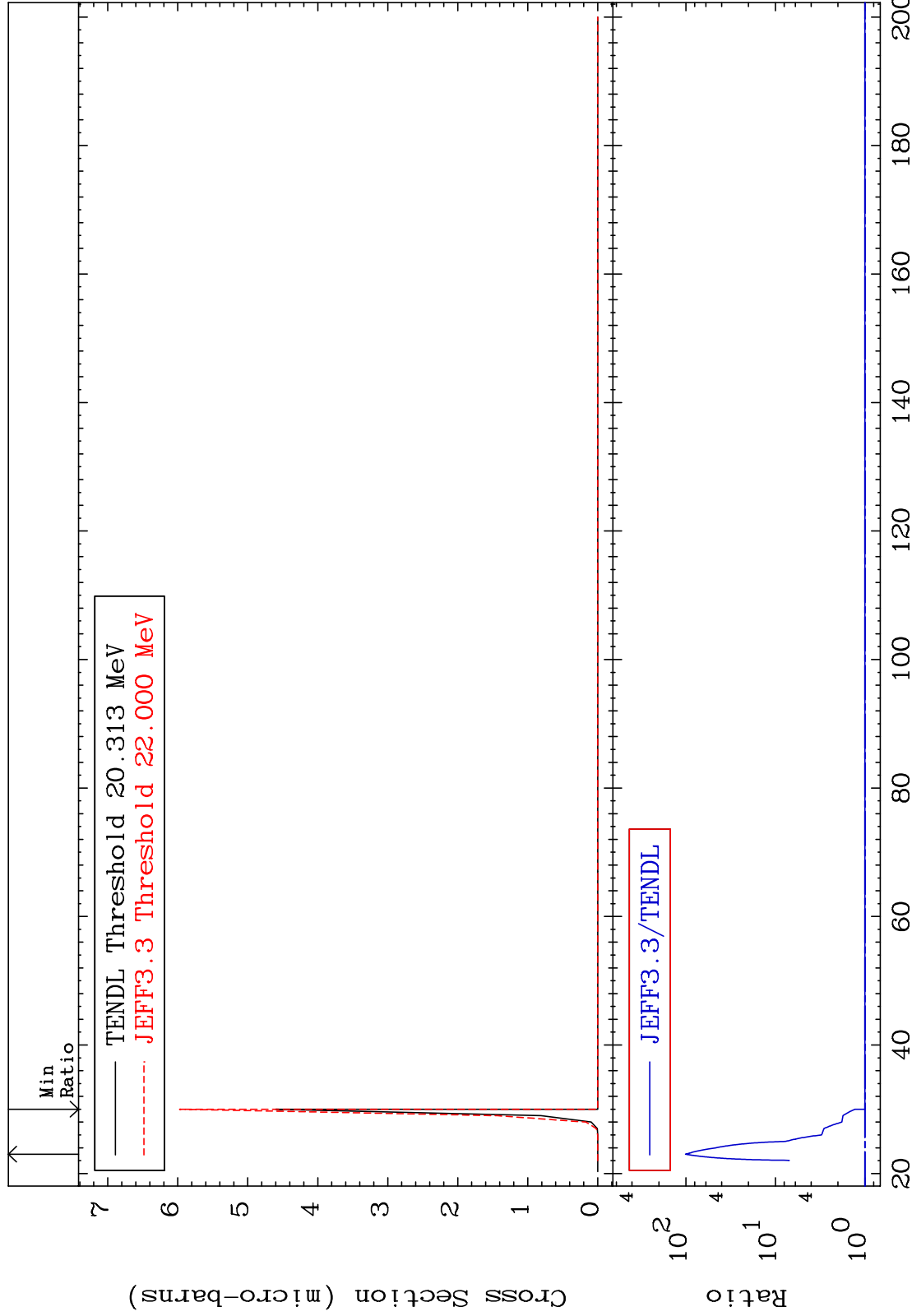


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 9999. %



82

Incident Energy (MeV)

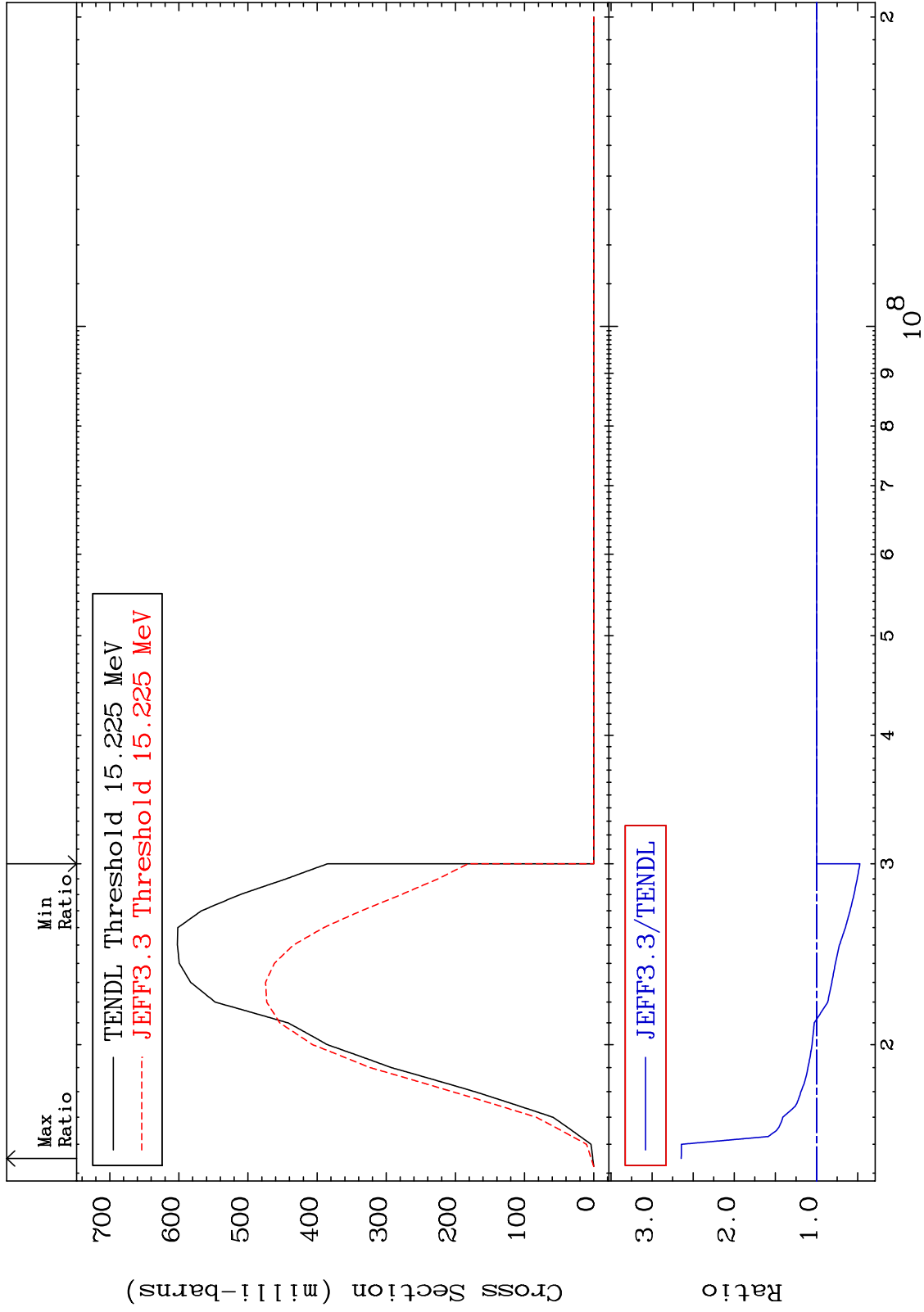
80-Hg-199

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -52.80 To 164.6 %

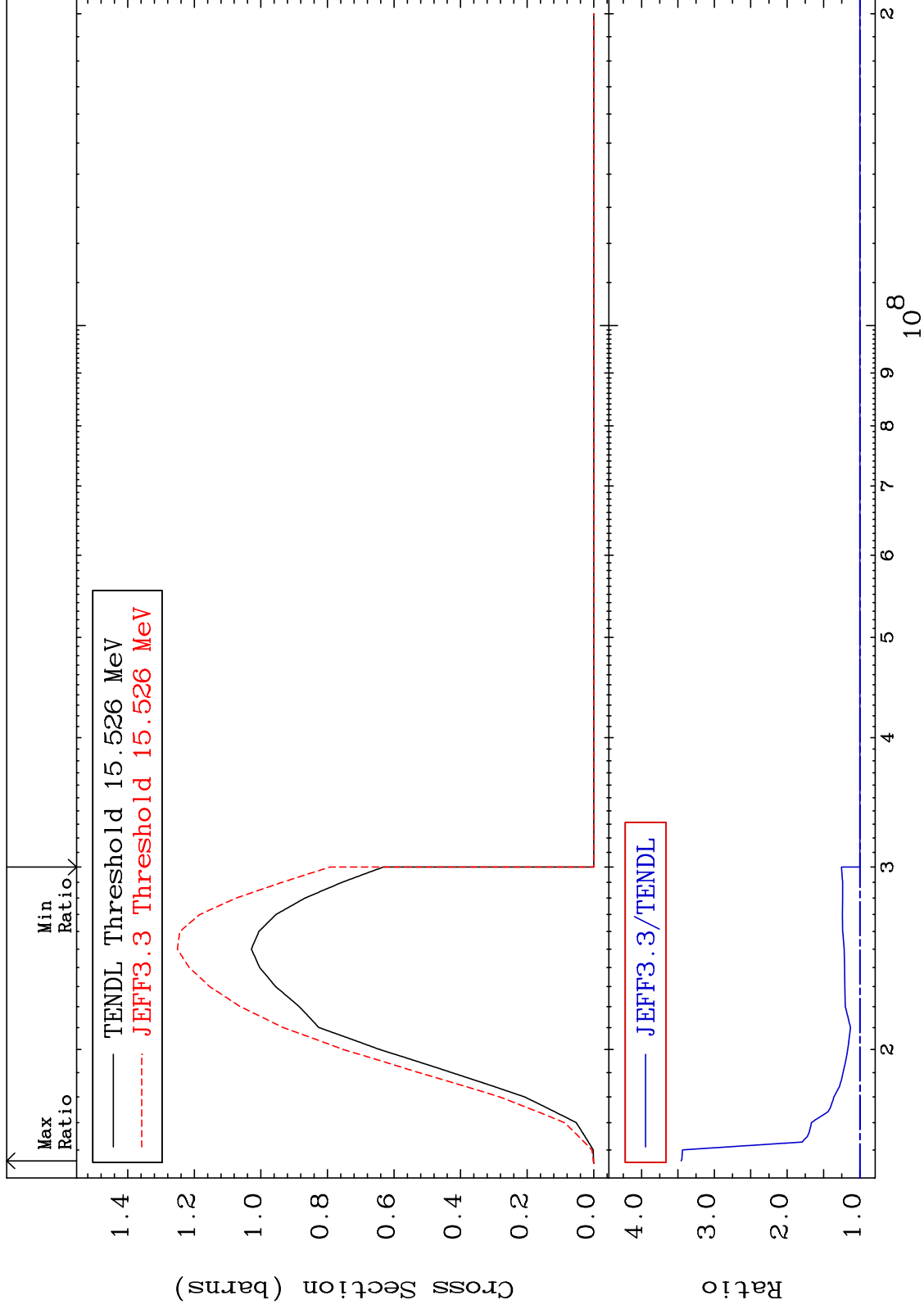


MAT 8034

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

80-Hg-199

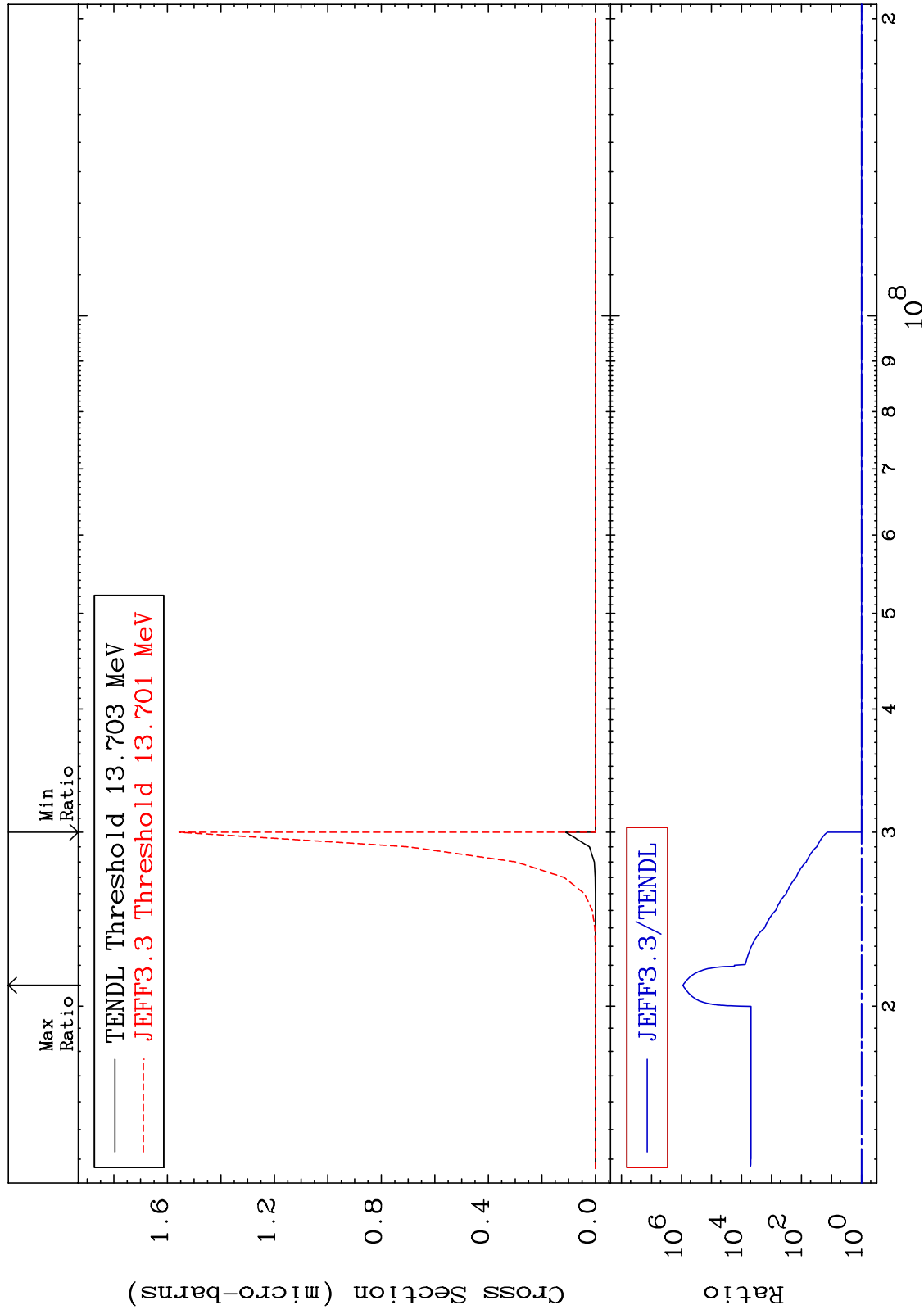
Radionuclide Production Cross Section 0.000 To 245.5 %



MAT 8034

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

80-Hg-199



85

Incident Energy (eV)

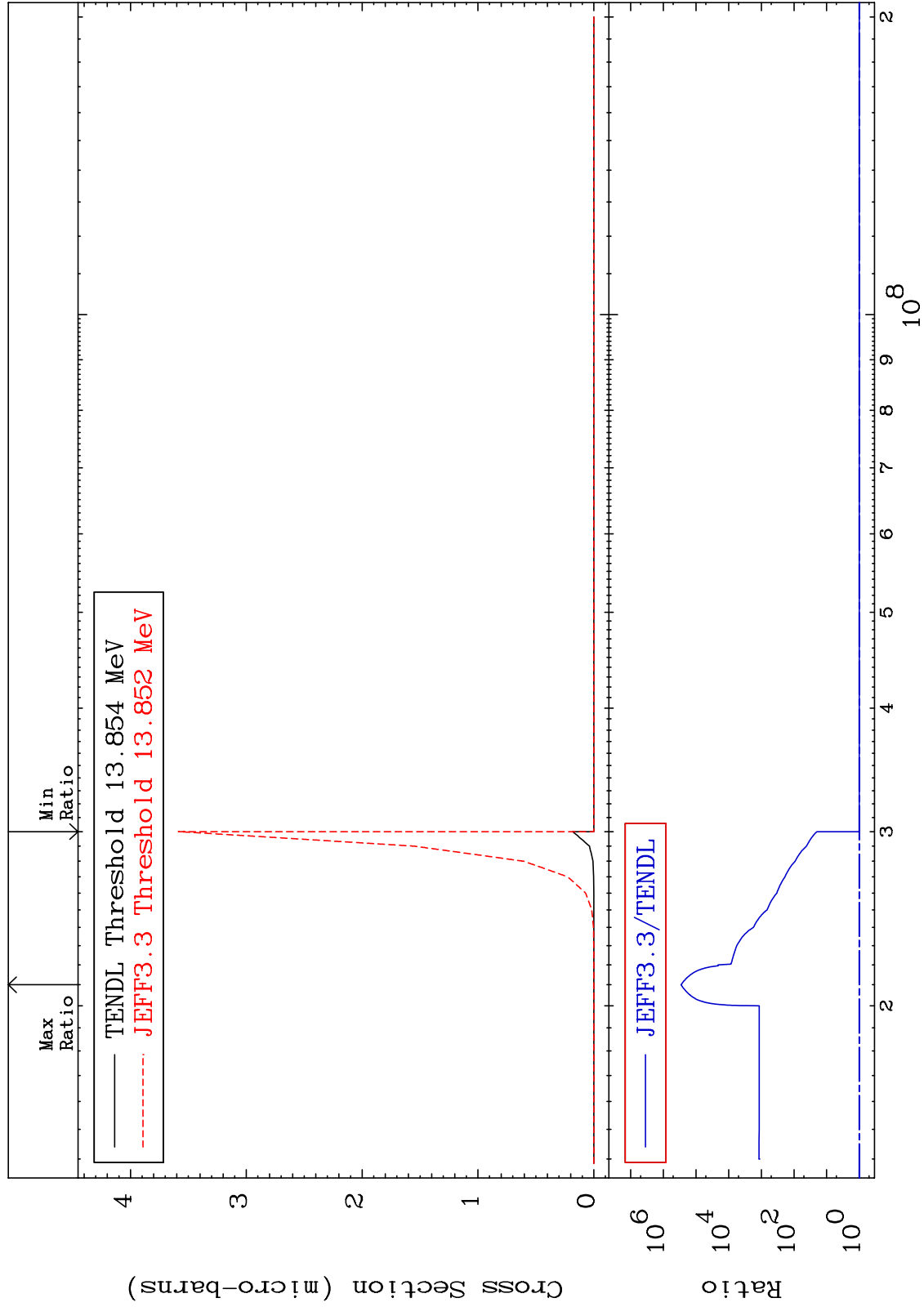
80-Hg-199

MAT 8034

(n,3n) α :78-Pt-193m5

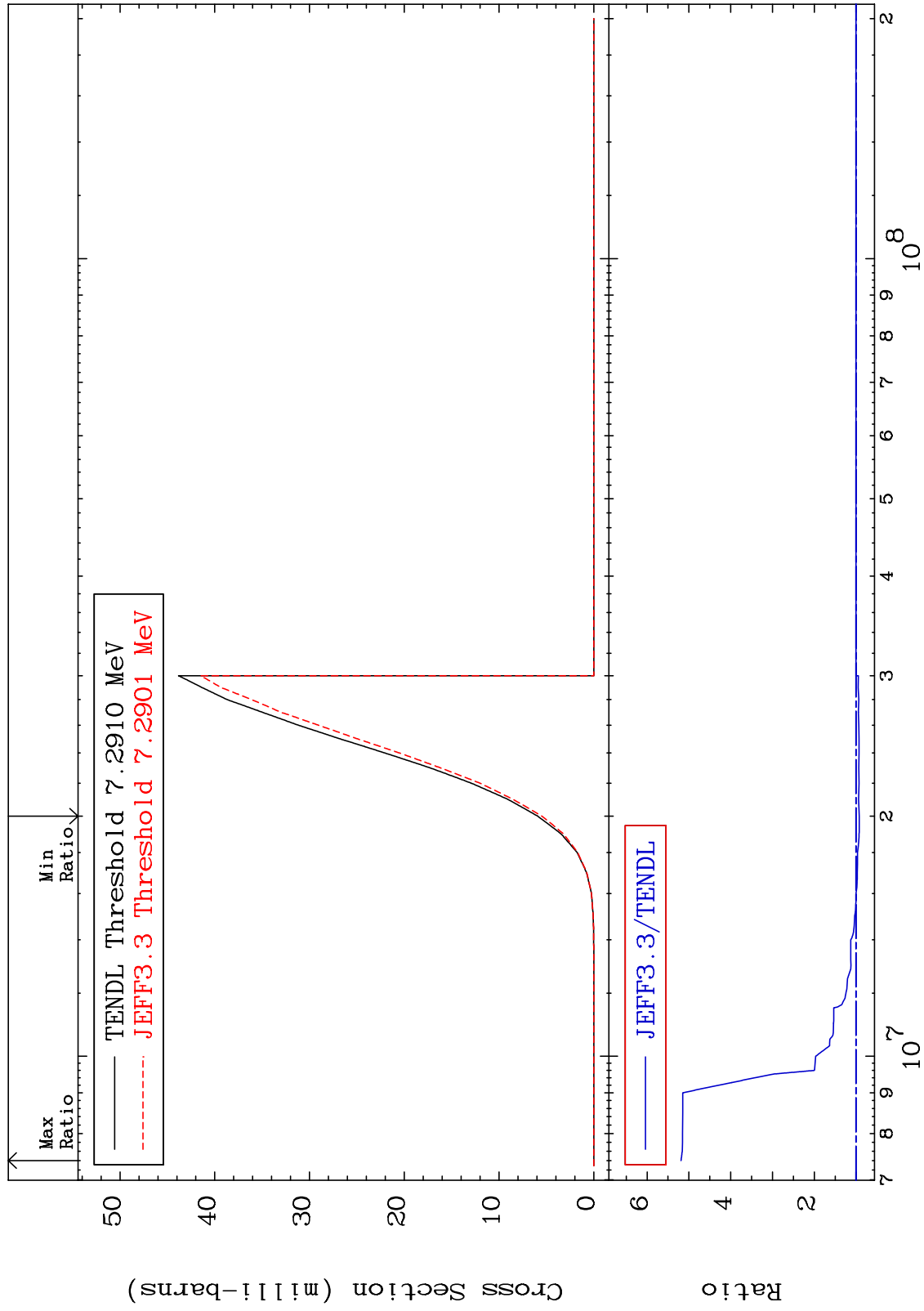
80-Hg-199

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 8034

(n, n') p:79-Au-198g 80-Hg-199
Radionuclide Production Cross Section -7.722 To 418.8 %



87

Incident Energy (eV)

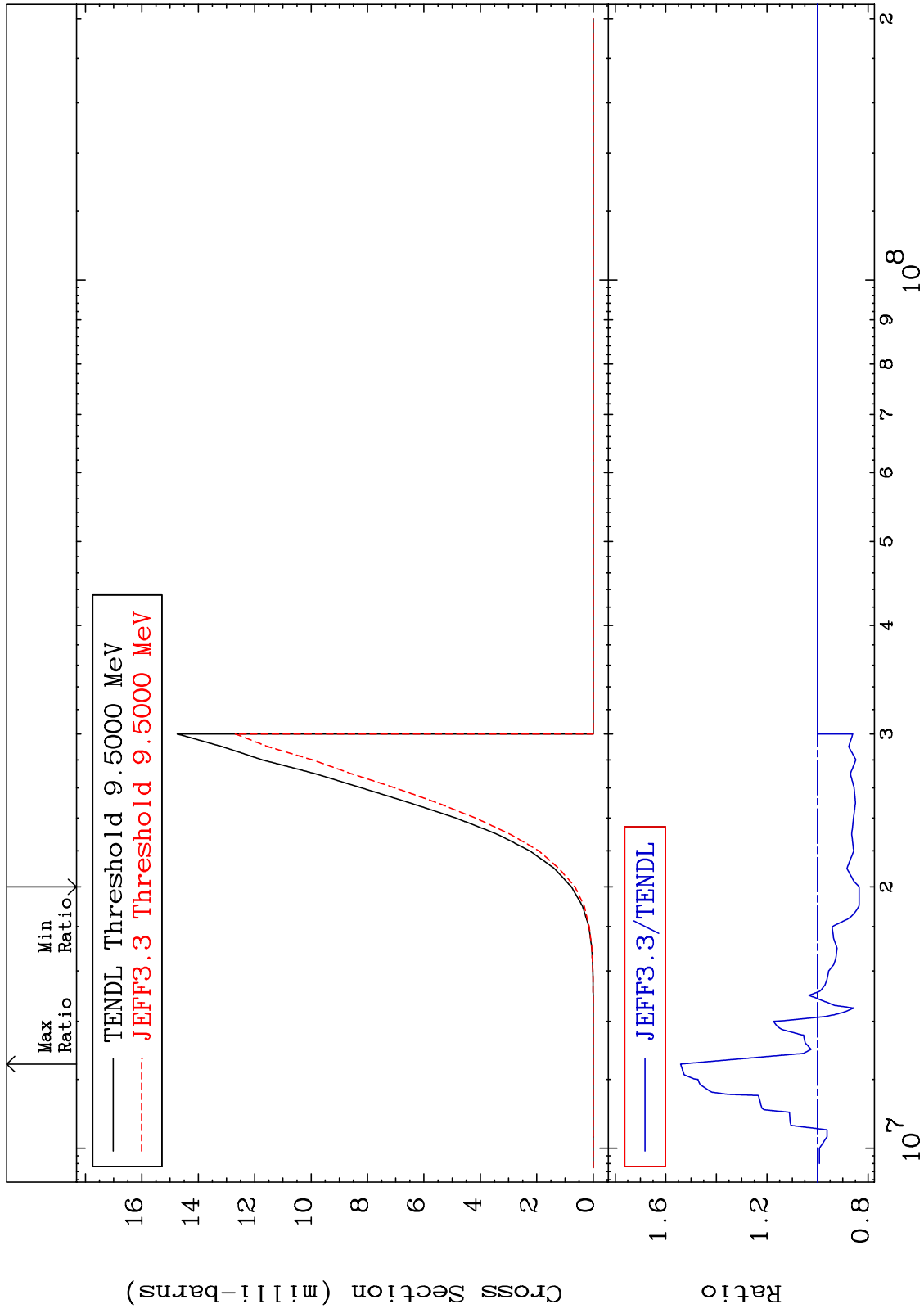
80-Hg-199

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -16.47 To 54.12 %



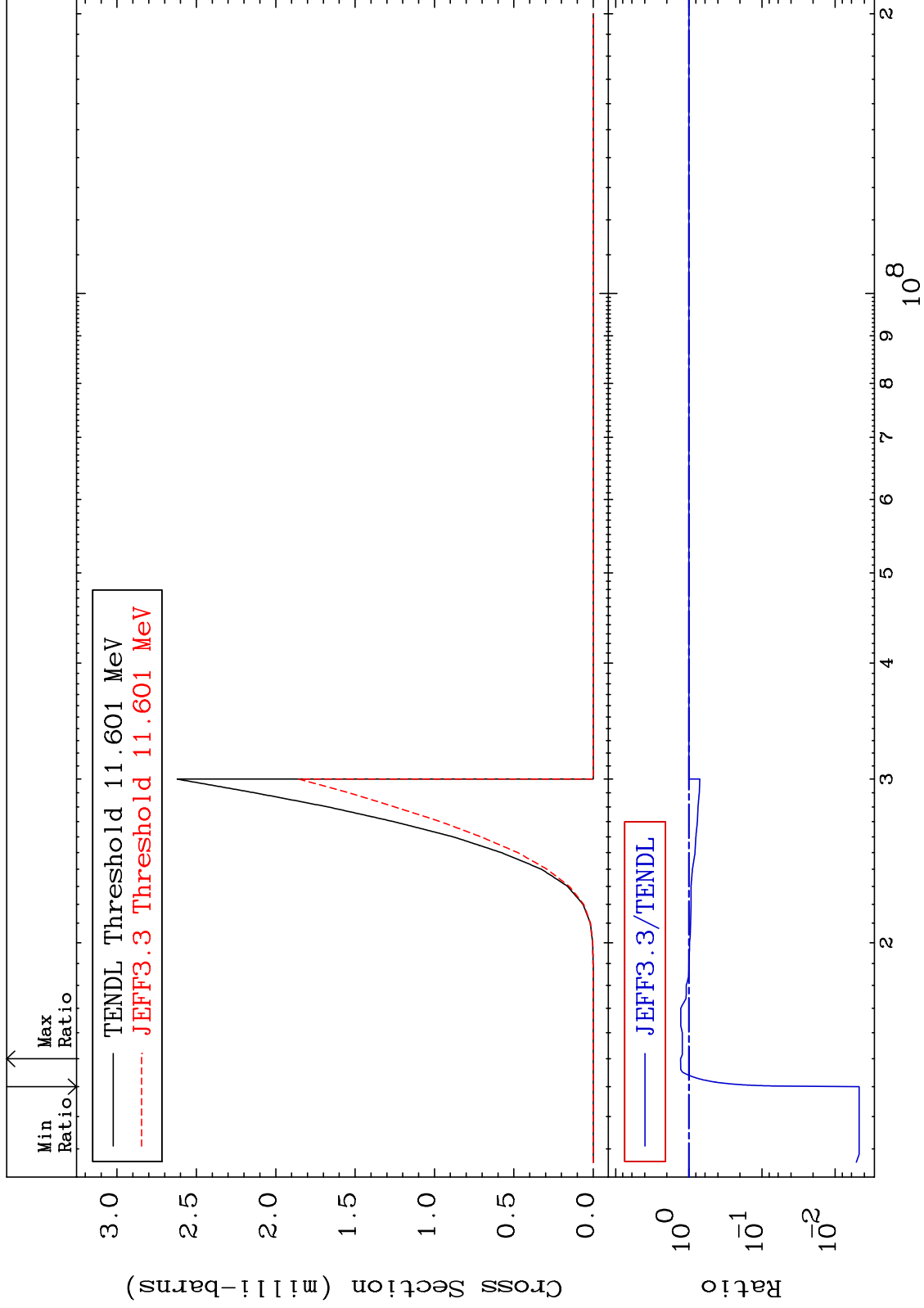
88

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -99.53 To 29.53 %

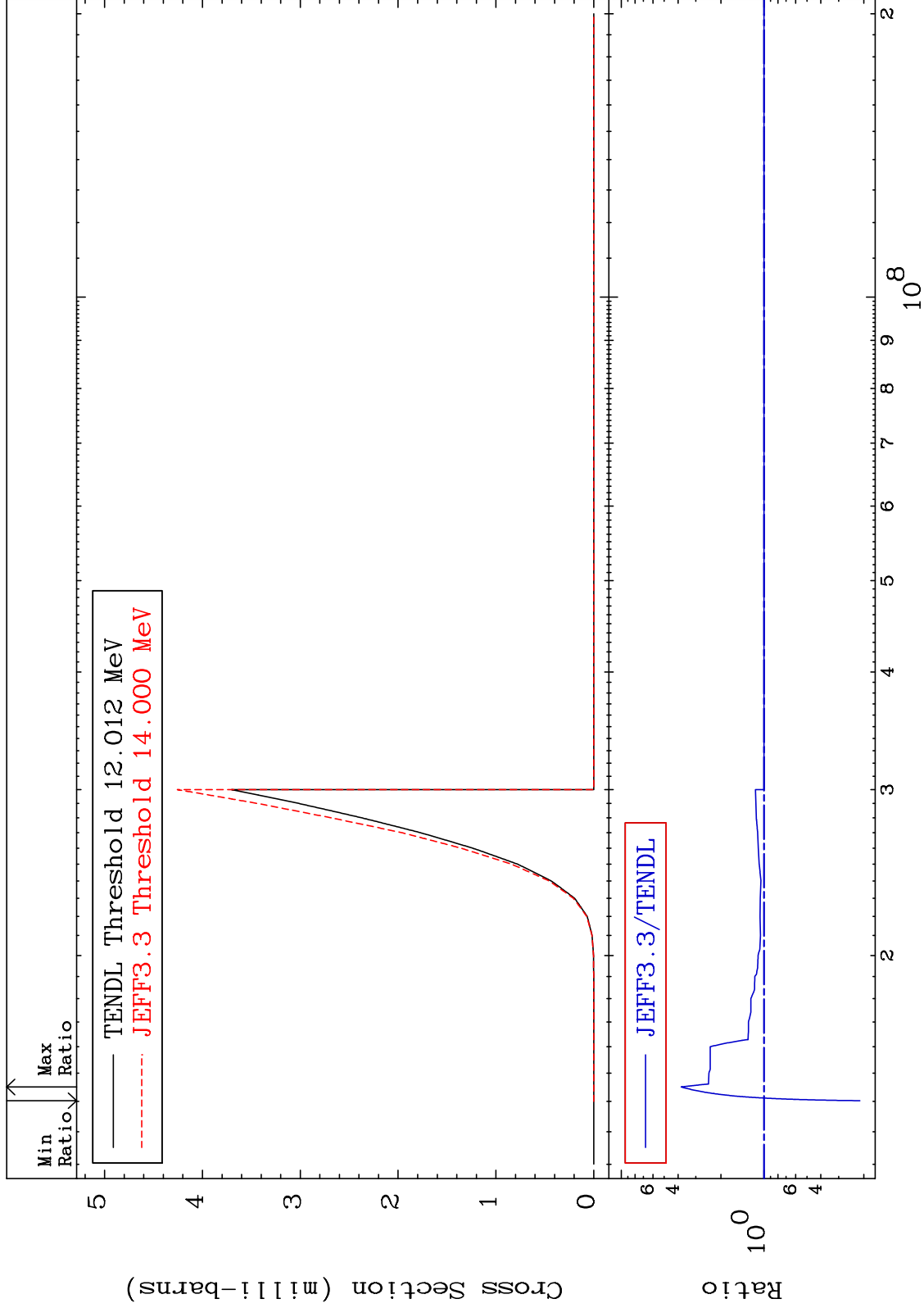


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -78.71 To 280.0 %



90

Incident Energy (eV)

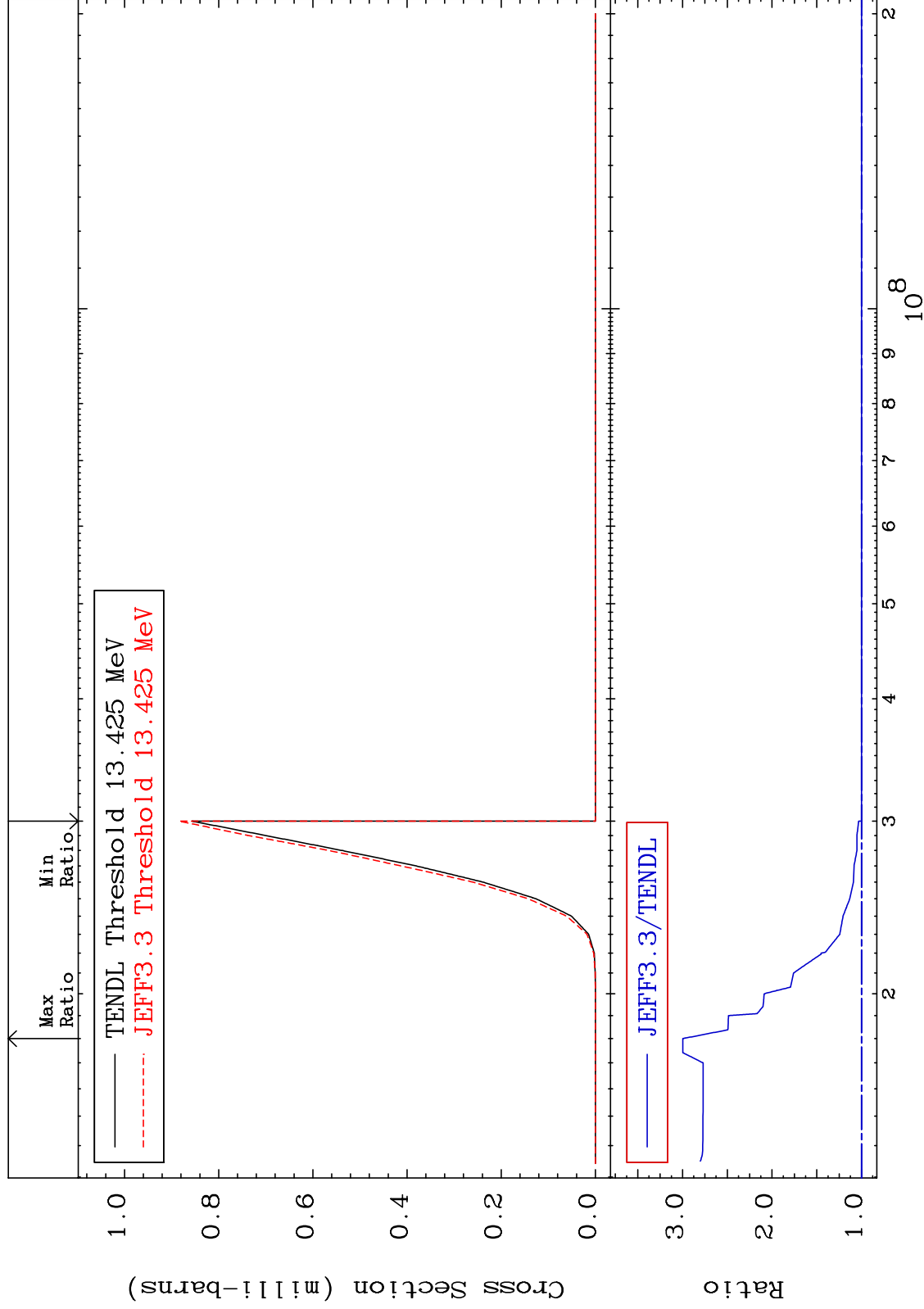
80-Hg-199

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 199.6 %

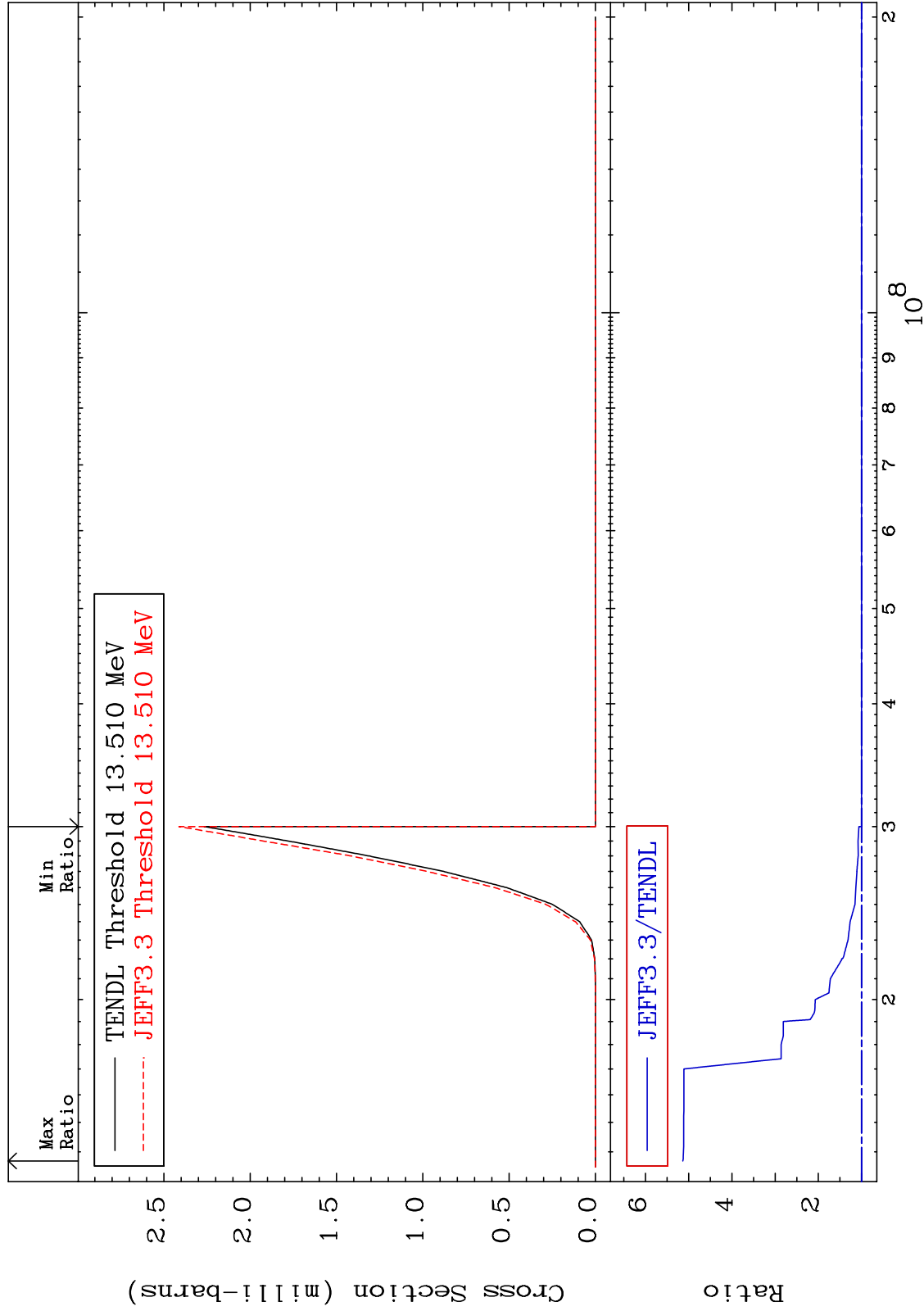


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 413.6 %

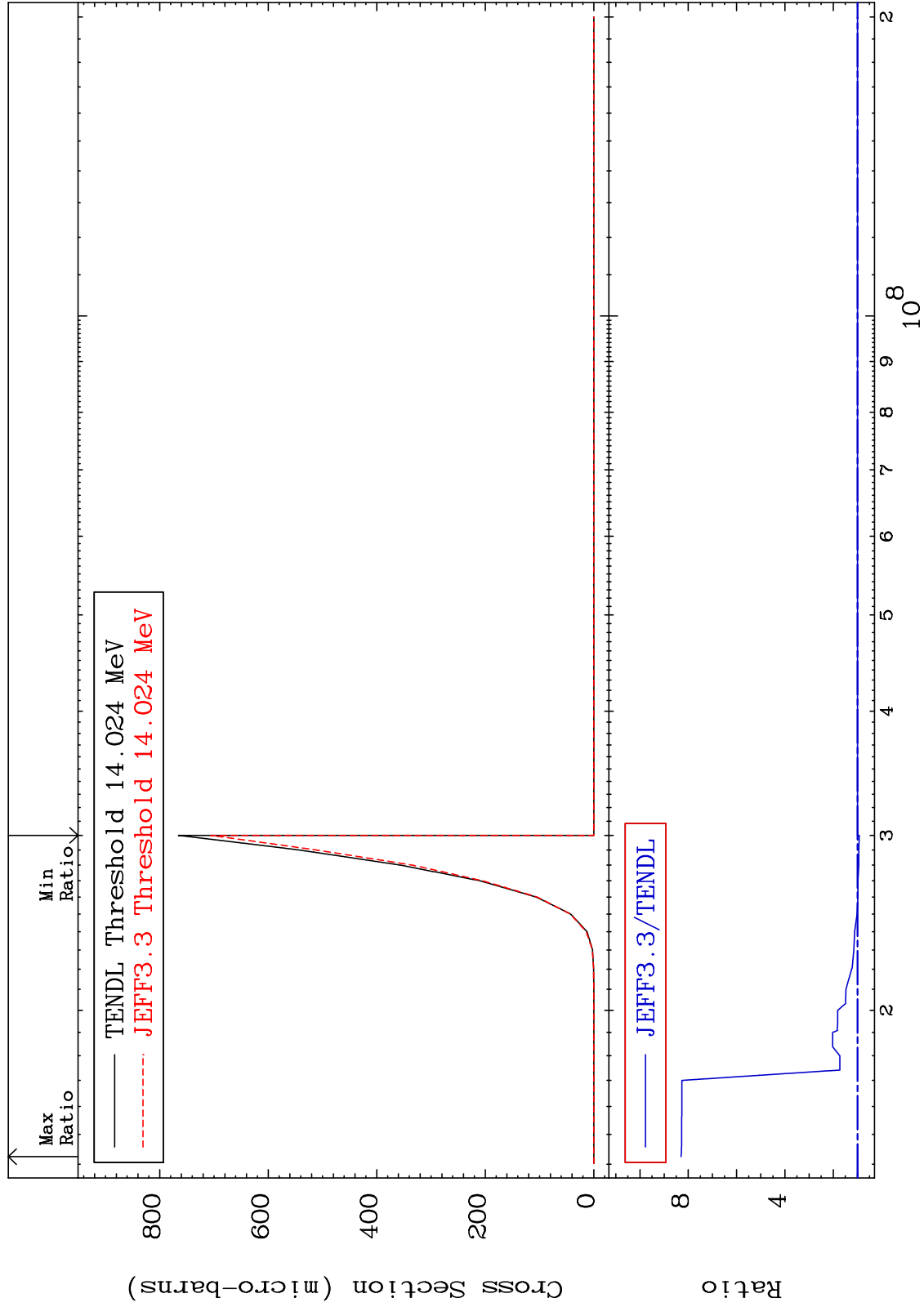


MAT 8034

(n, n') t:79-Au-196m10

80-Hg-199

Radionuclide Production Cross Section -7.758 To 729.9 %

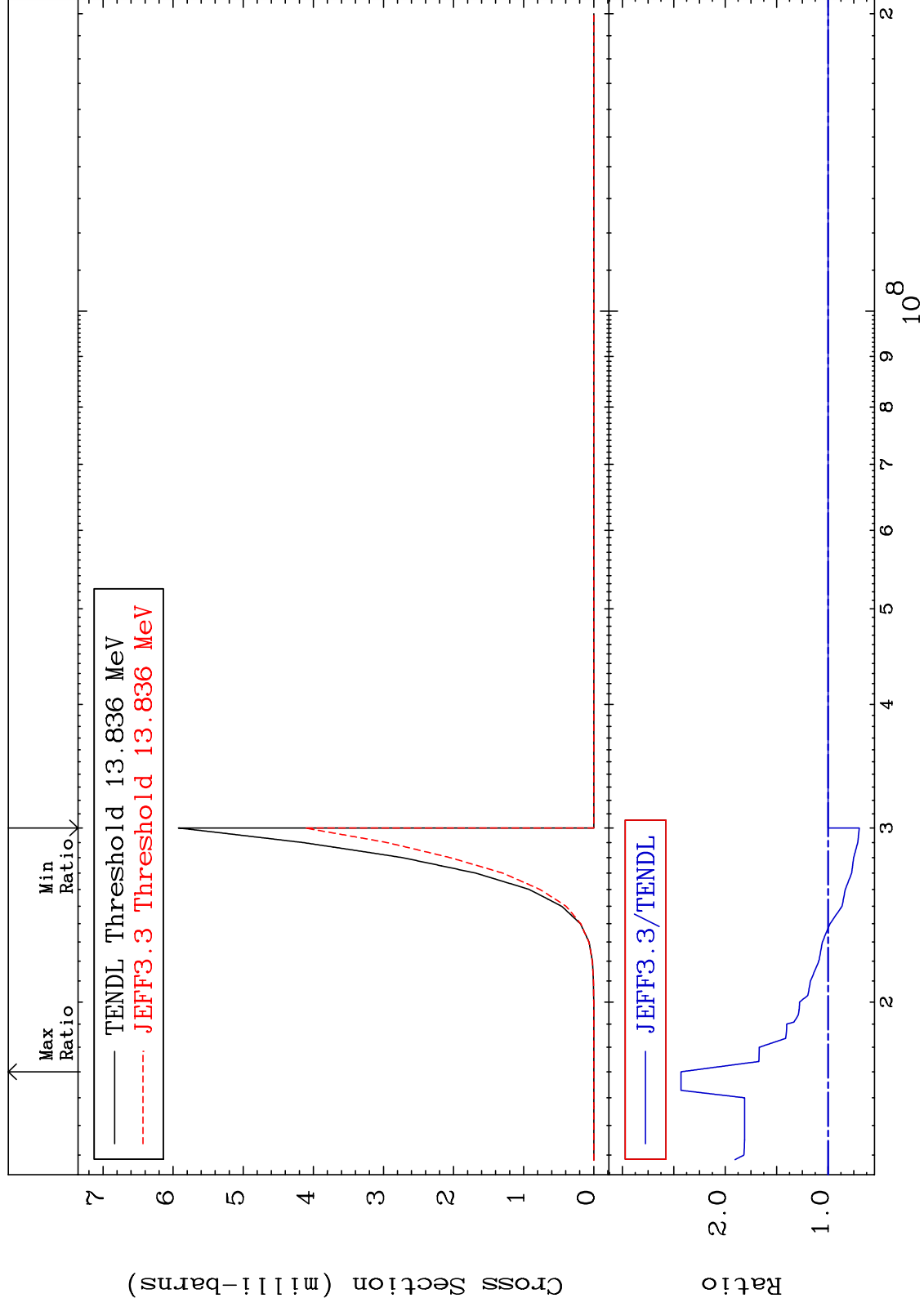


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -30.38 To 143.0 %

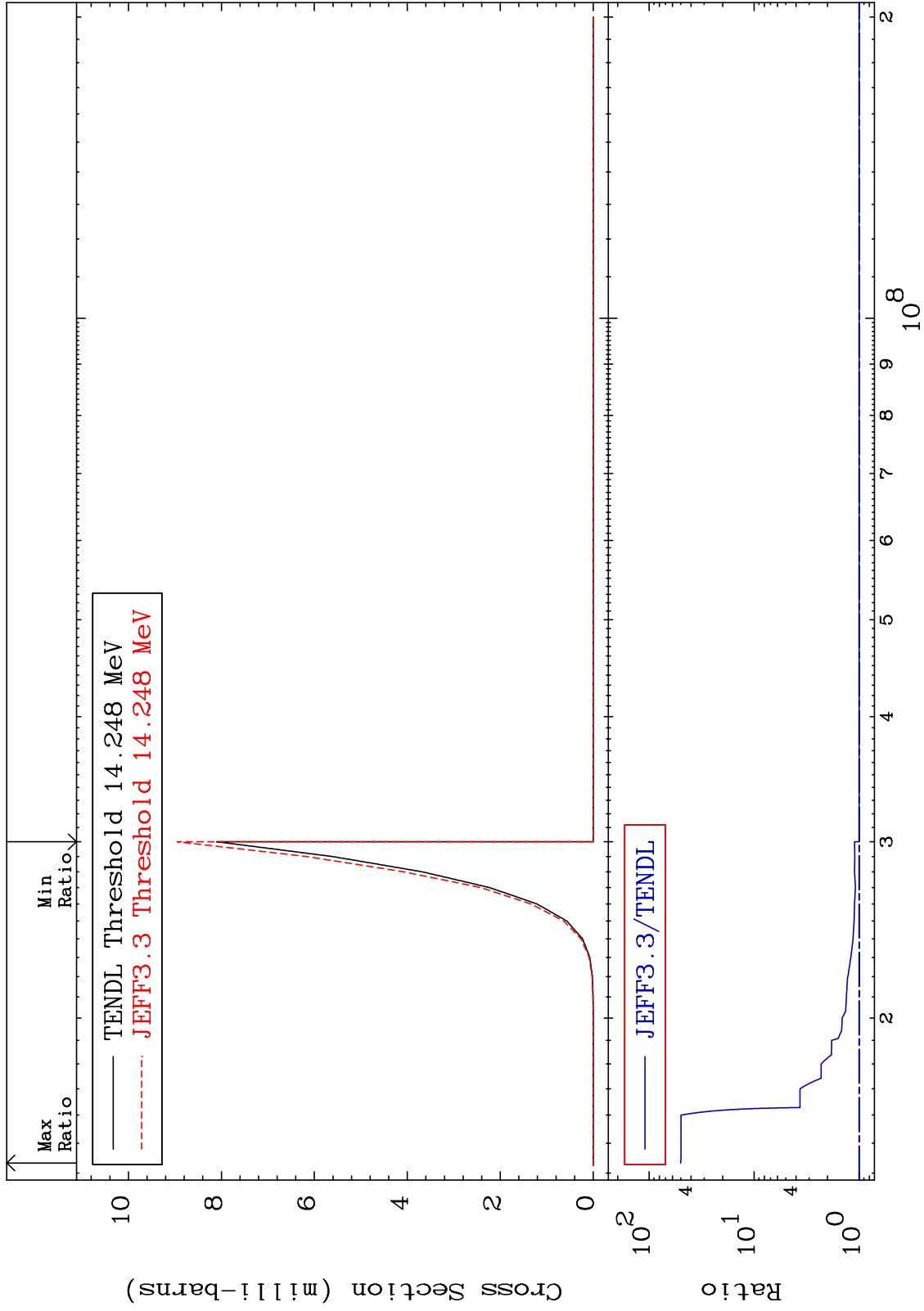


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 4921. %

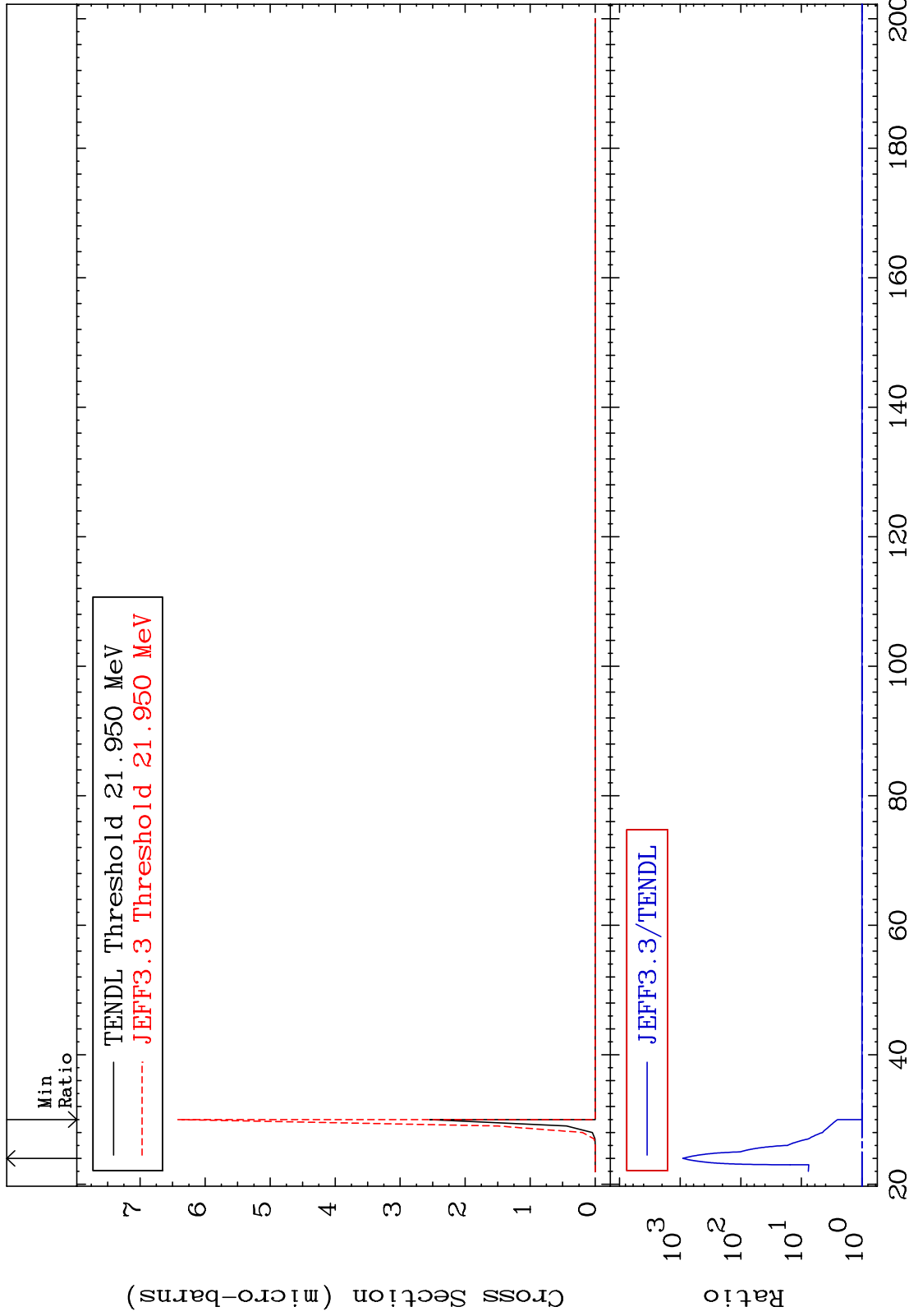


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 9999. %



96

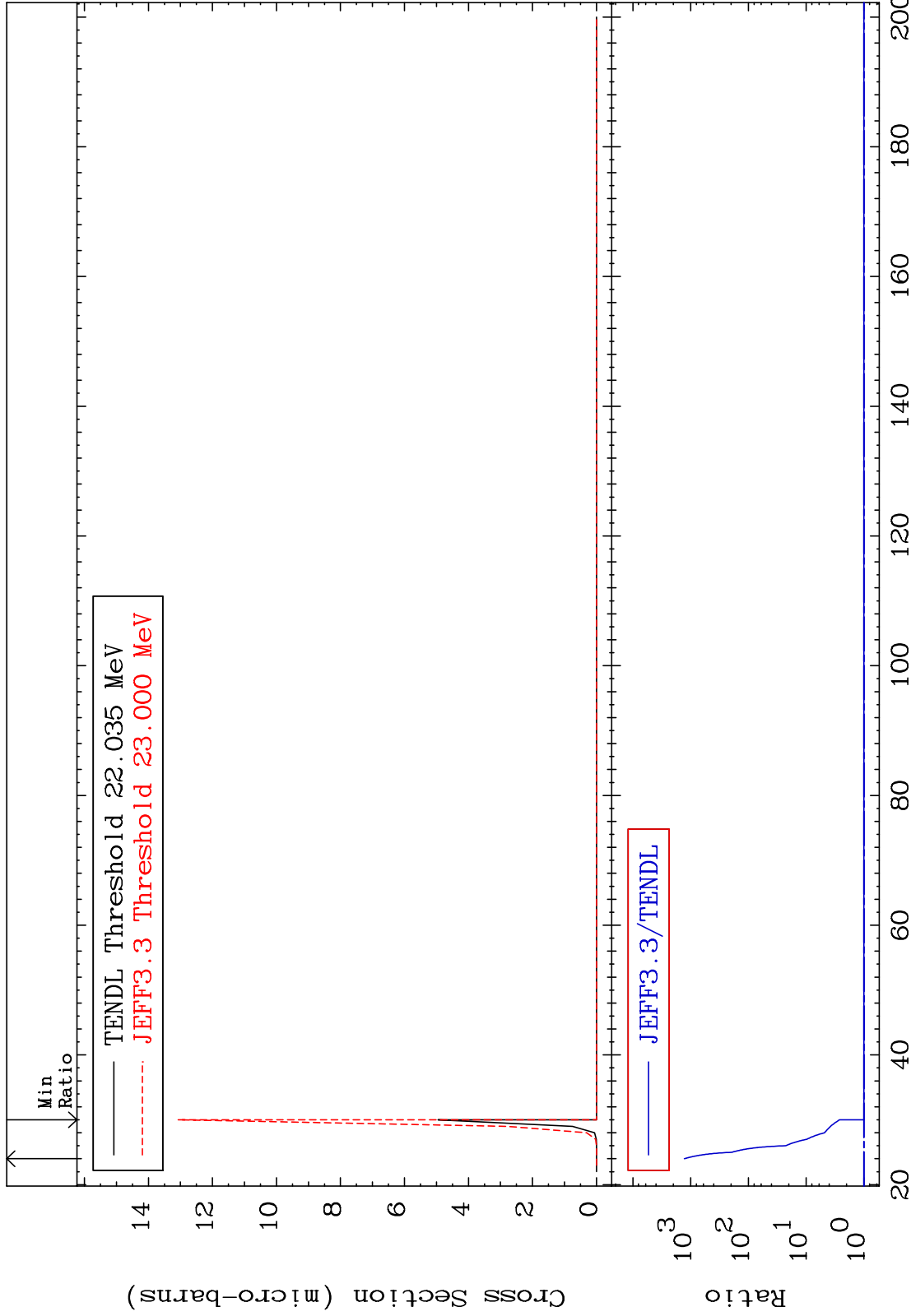
80-Hg-199

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 9999. %



97

Incident Energy (MeV)

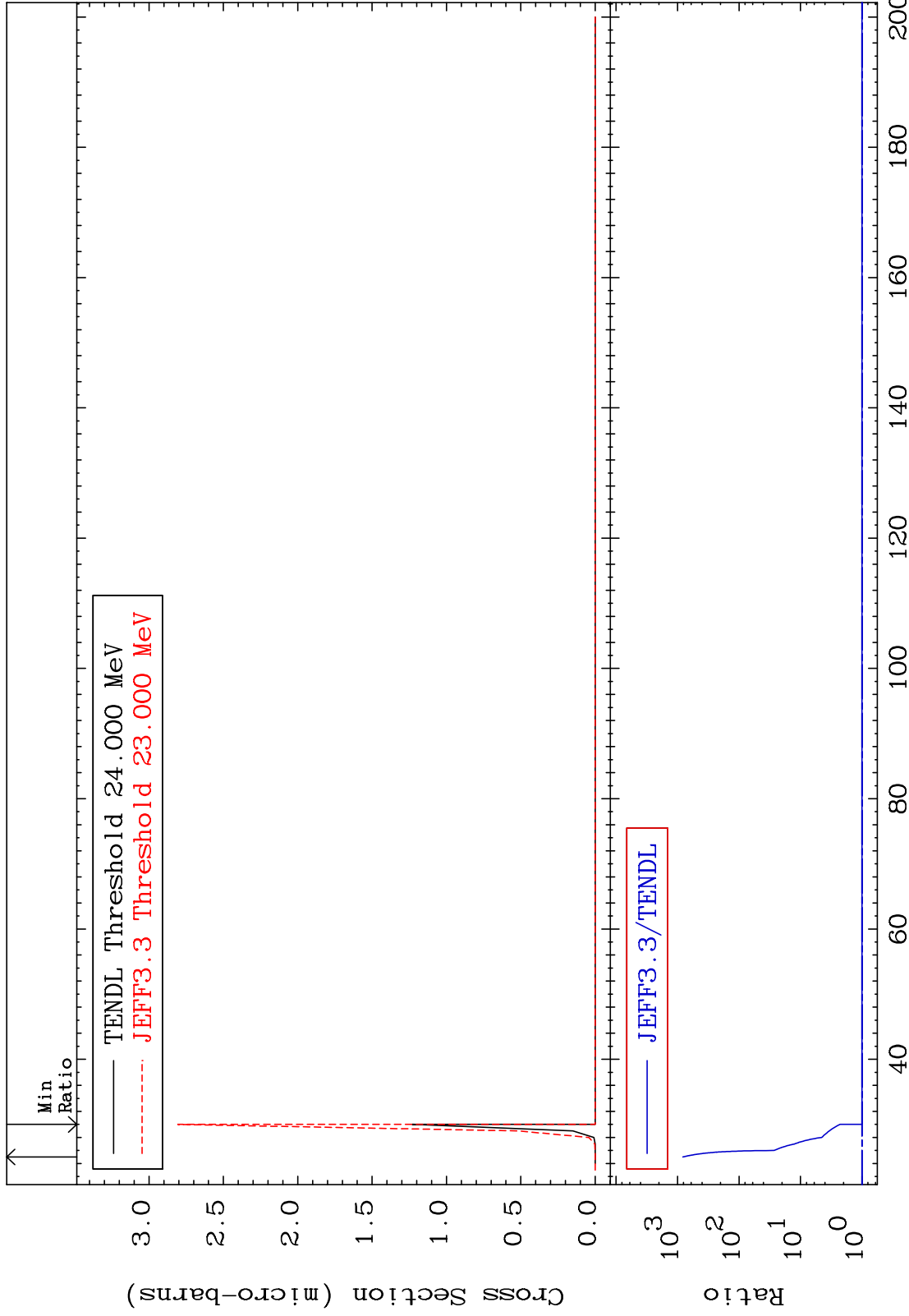
80-Hg-199

MAT 8034

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

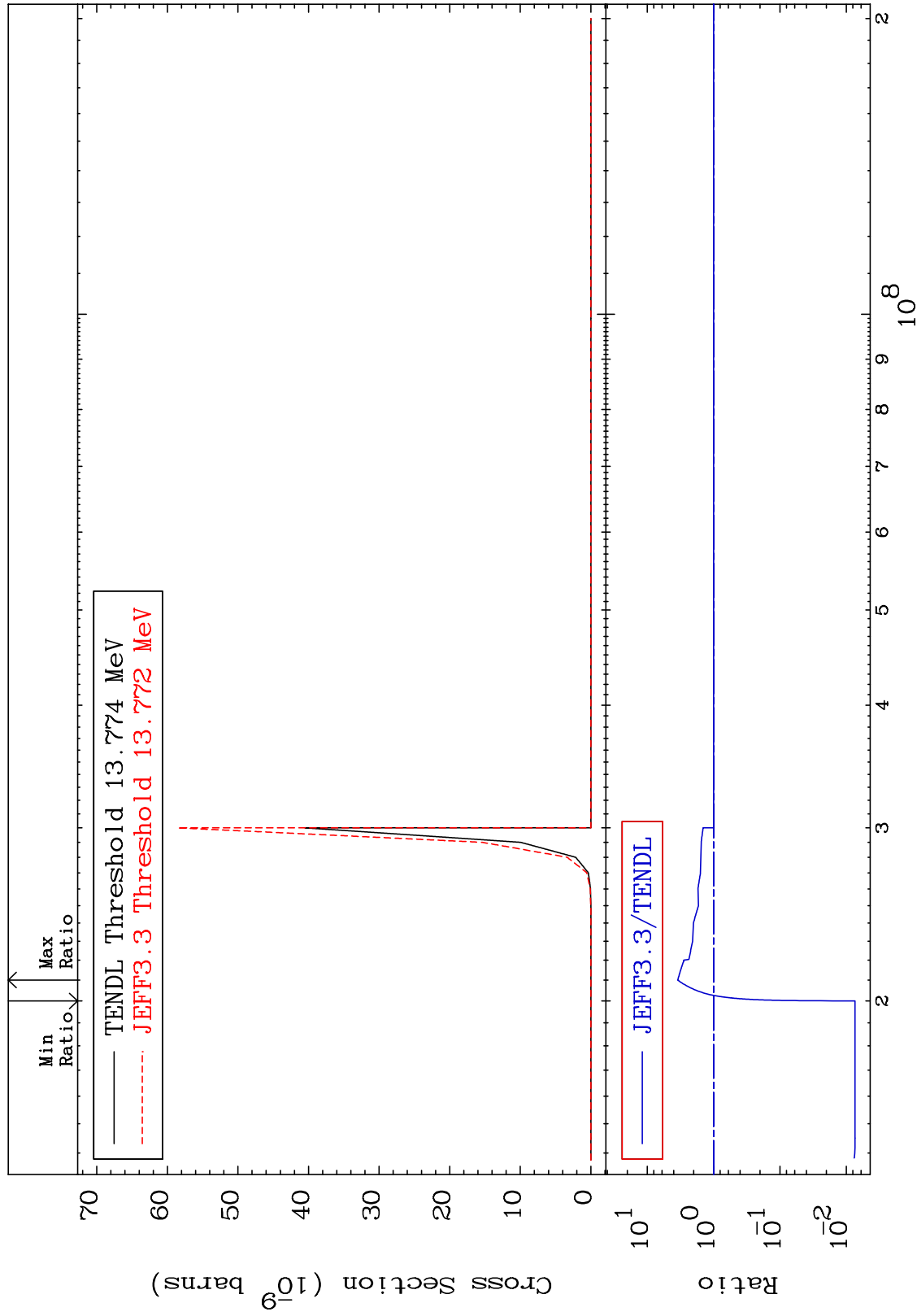
80-Hg-199

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 8034

(n,2n) p:78-Pt-197g 80-Hg-199
Radionuclide Production Cross Section -99.26 To 248.8 %



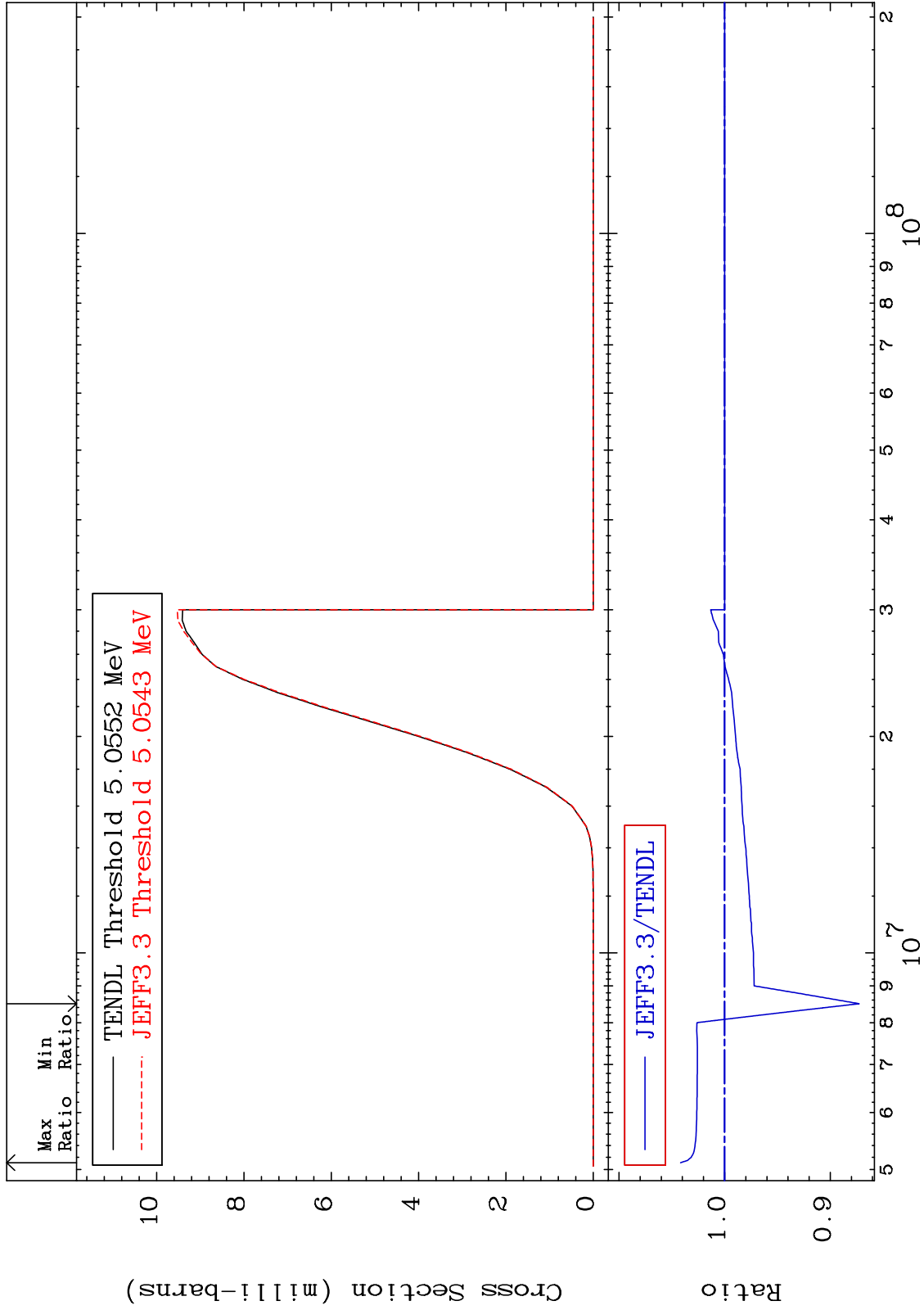
MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section

-12.74 To 4.168 %



100

Incident Energy (eV)

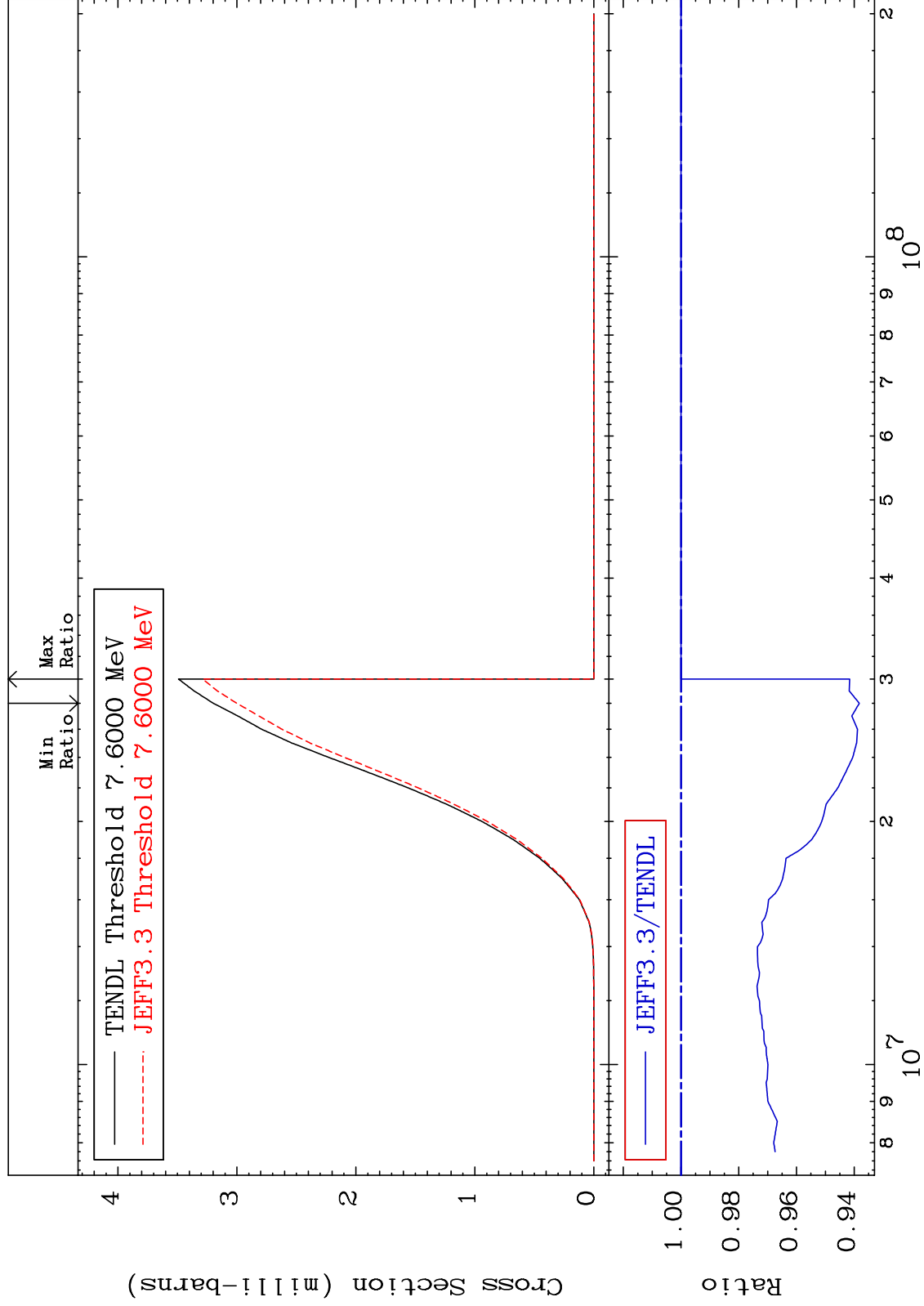
80-Hg-199

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section -6.174 To 0.000 %



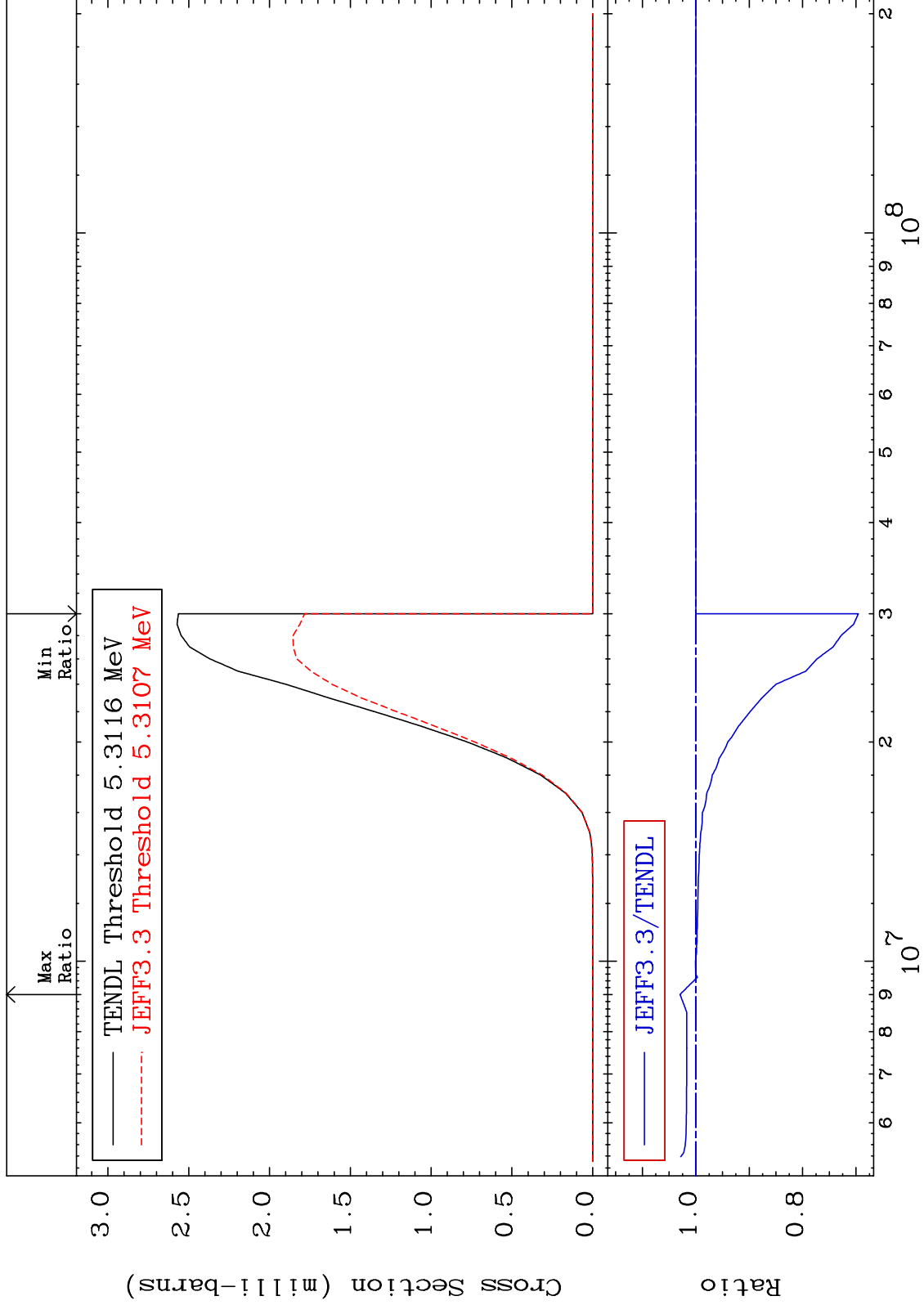
101

Incident Energy (eV)

80-Hg-199

MAT 8034

(n, t): 79-Au-197g 80-Hg-199
Radionuclide Production Cross Section -30.44 To 2.957 %



102

Incident Energy (eV)

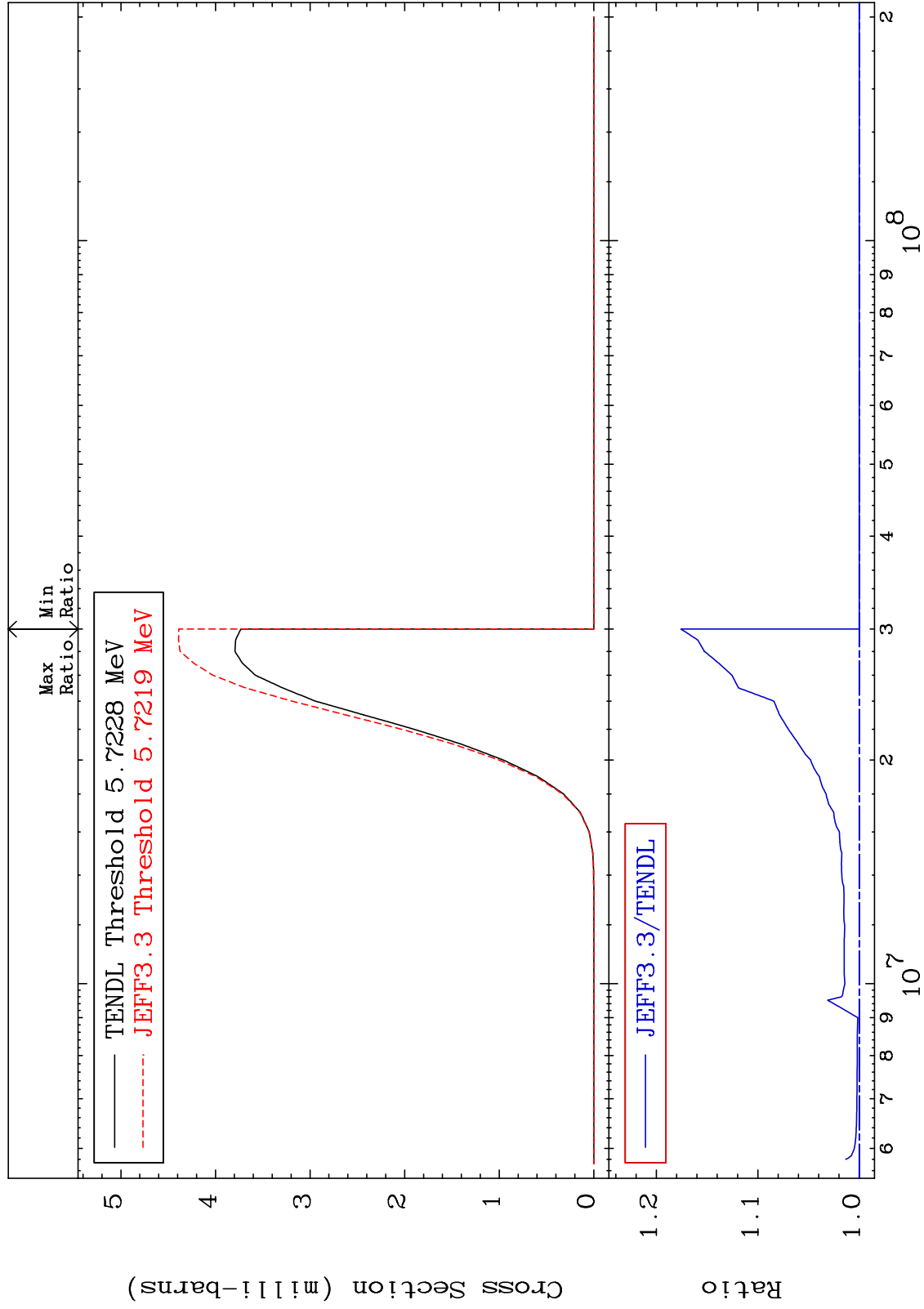
80-Hg-199

MAT 8034

(n, t): 79-Au-197m4

80-Hg-199

Radionuclide Production Cross Section 0.000 To 17.57 %



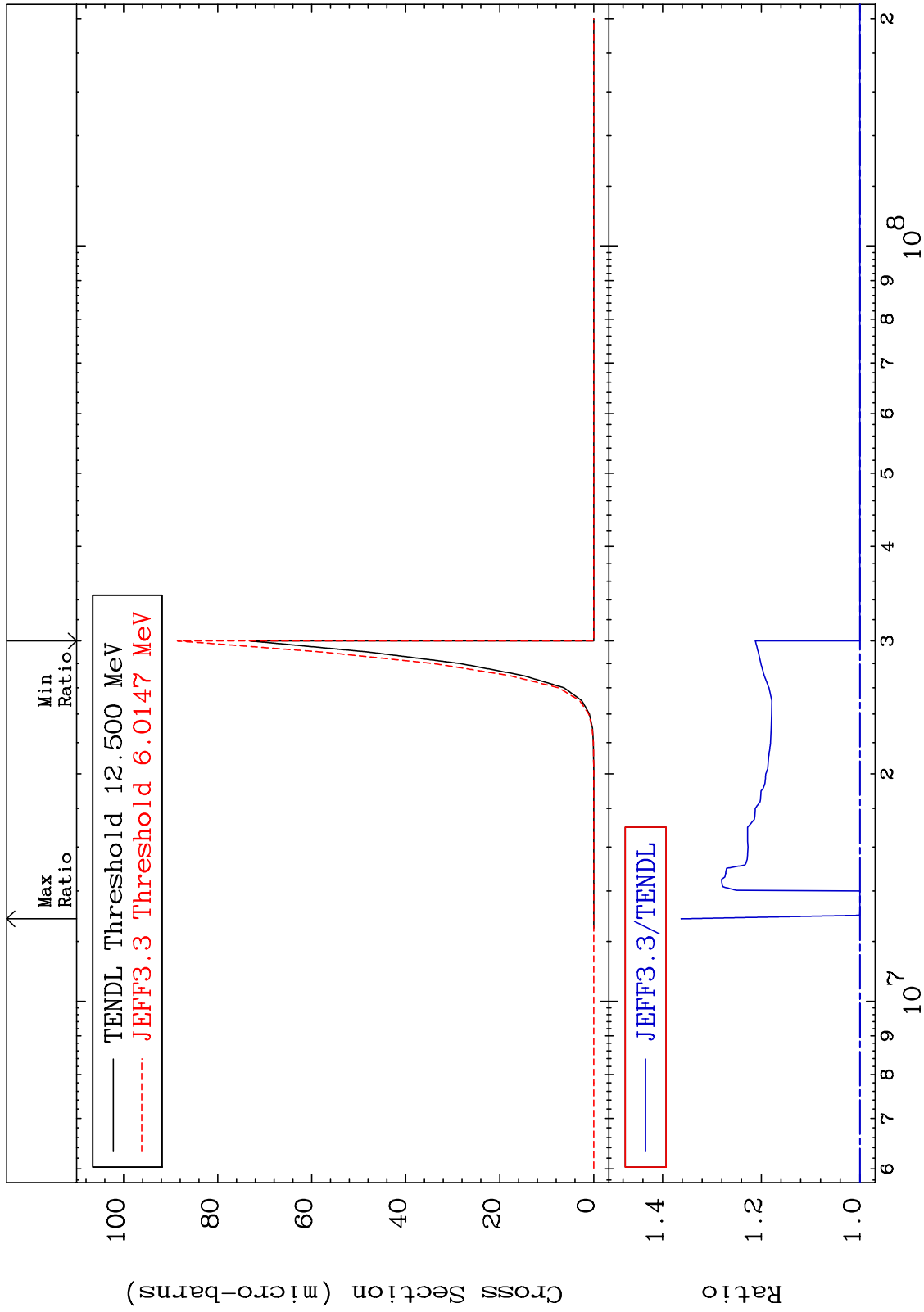
103

Incident Energy (eV)

80-Hg-199

MAT 8034

(n, He-3) : 78-Pt-197g 80-Hg-199
Radionuclide Production Cross Section 0.000 To 36.22 %



MAT 8034

(n, p) d:78-Pt-197g

80-Hg-199

Radionuclide Production Cross Section 0.000 To 78.13 %

