

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

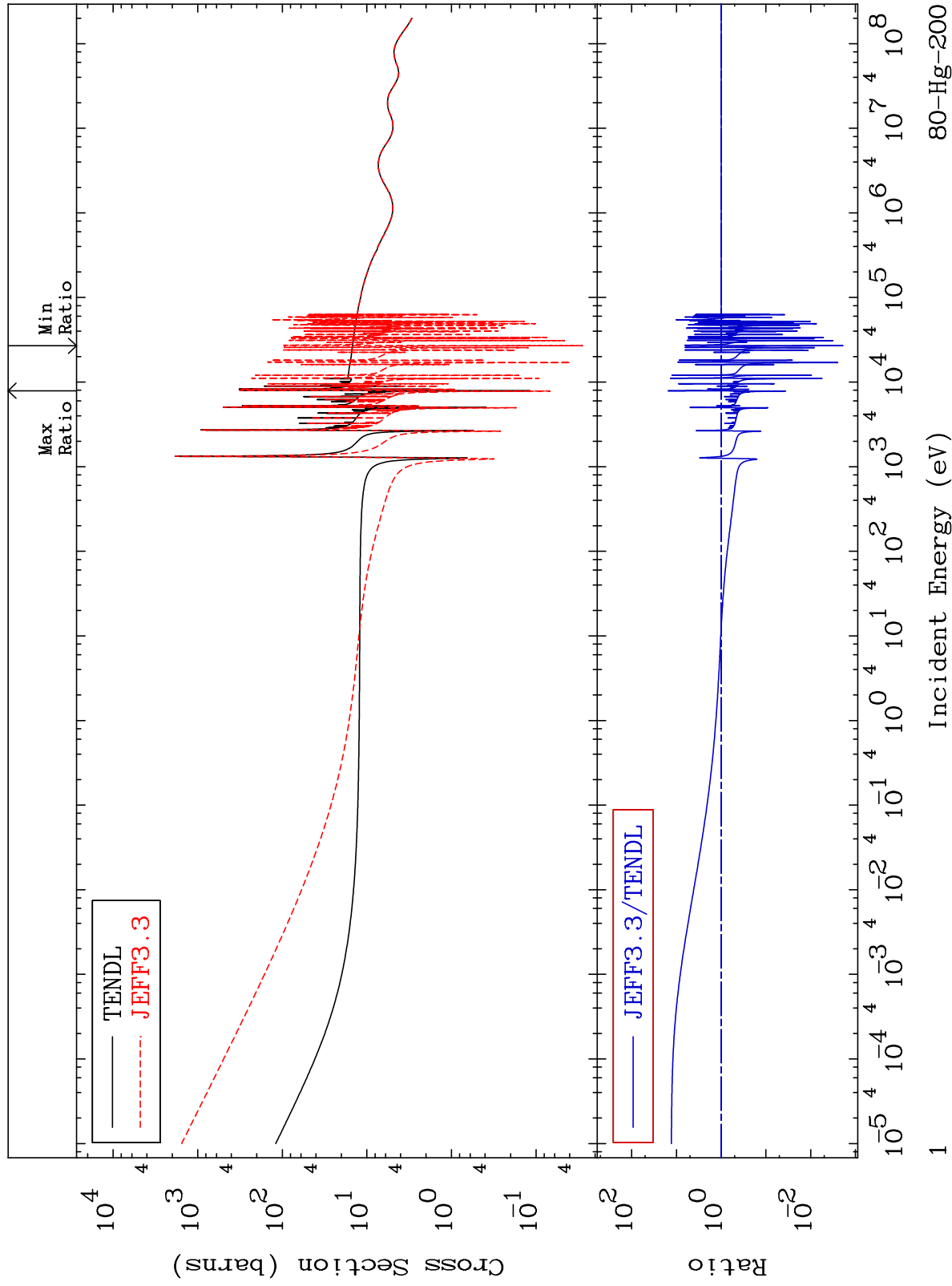
MAT 8037

Total

80-Hg-200

Cross Section

-99.81 To 1441. %



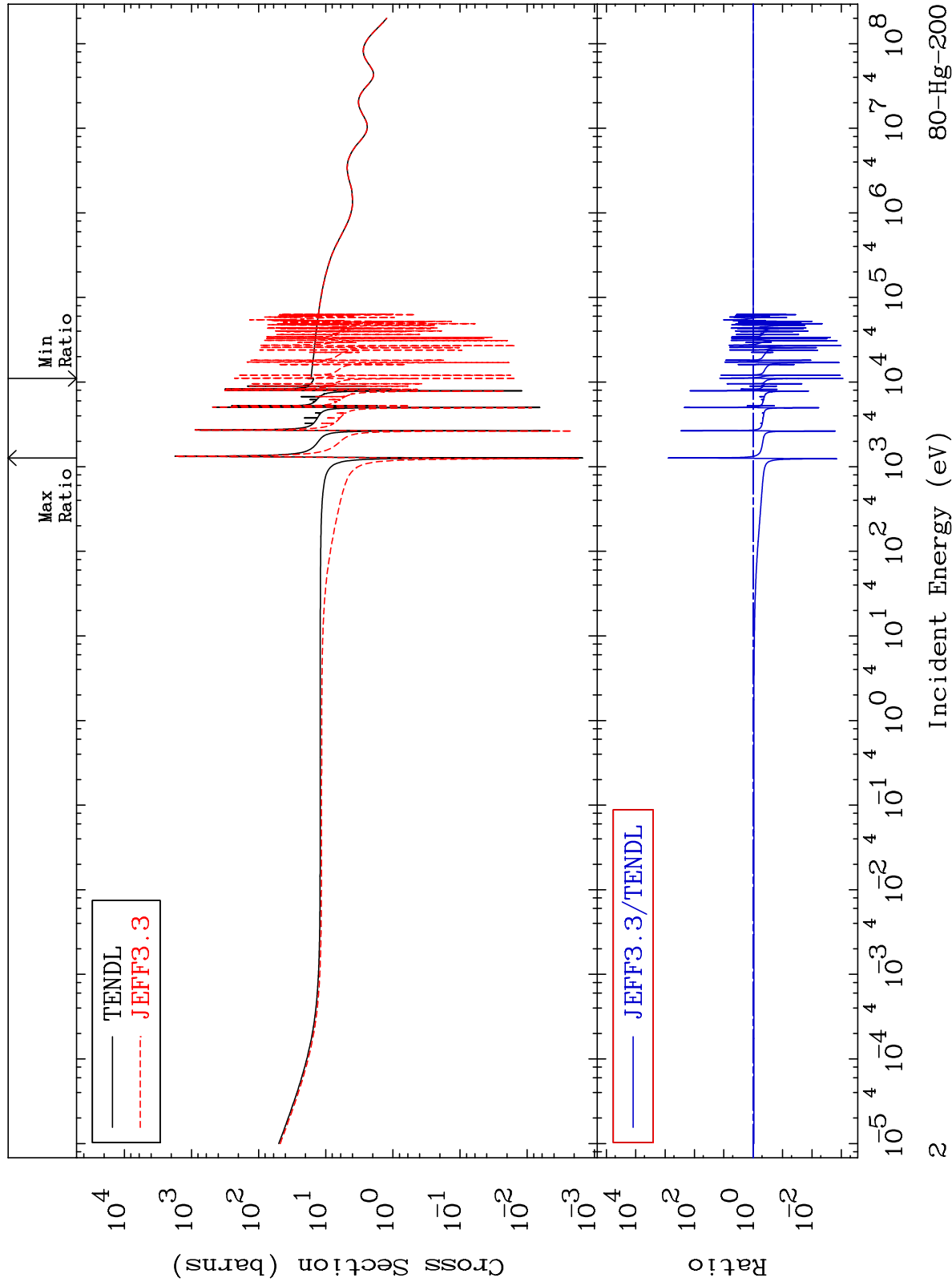
Incident Energy (eV)

80-Hg-200

MAT 8037

Elastic
Cross Section

80-Hg-200
-99.91 To 9999. %



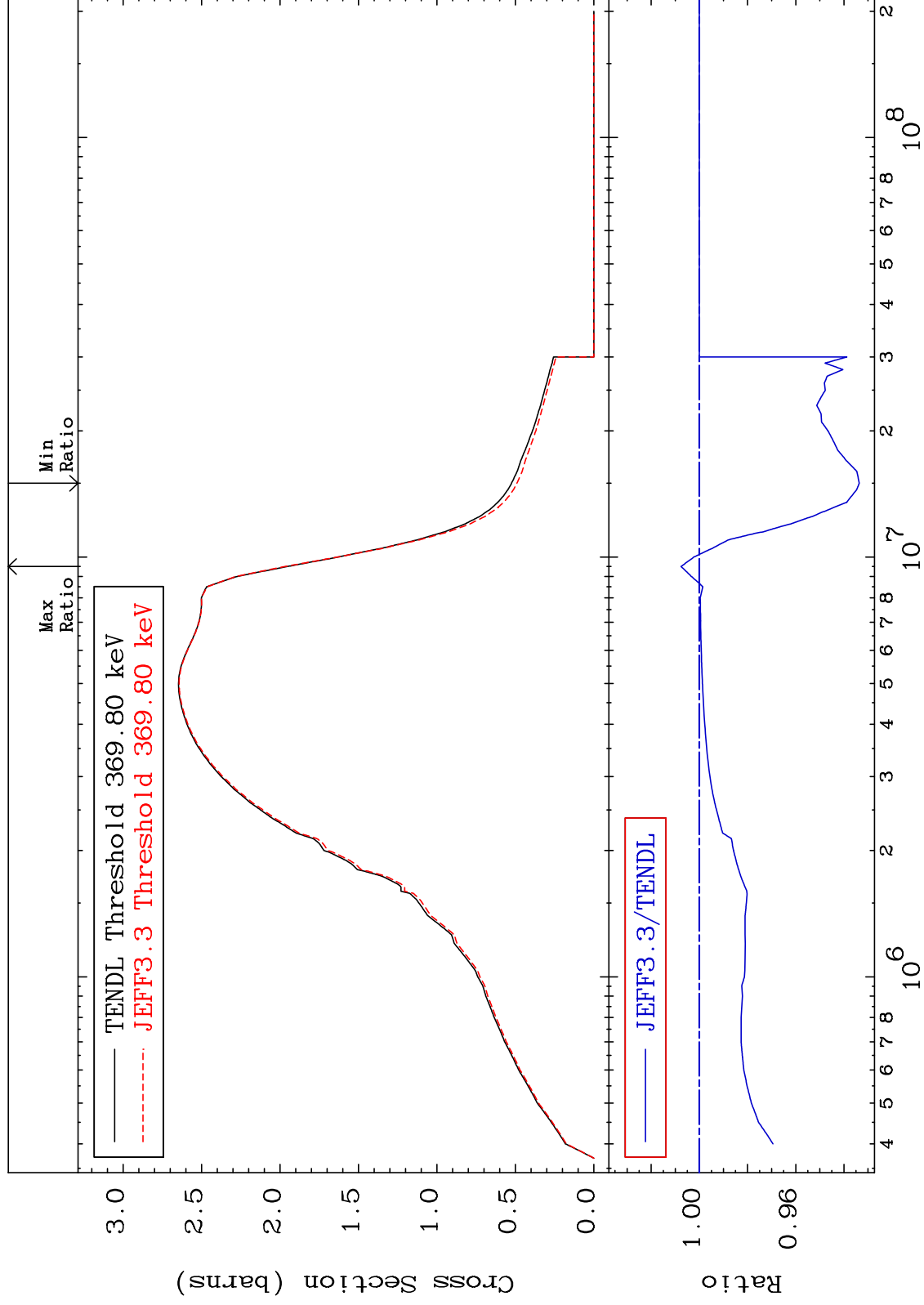
MAT 8037

Inelastic

80-Hg-200

Cross Section

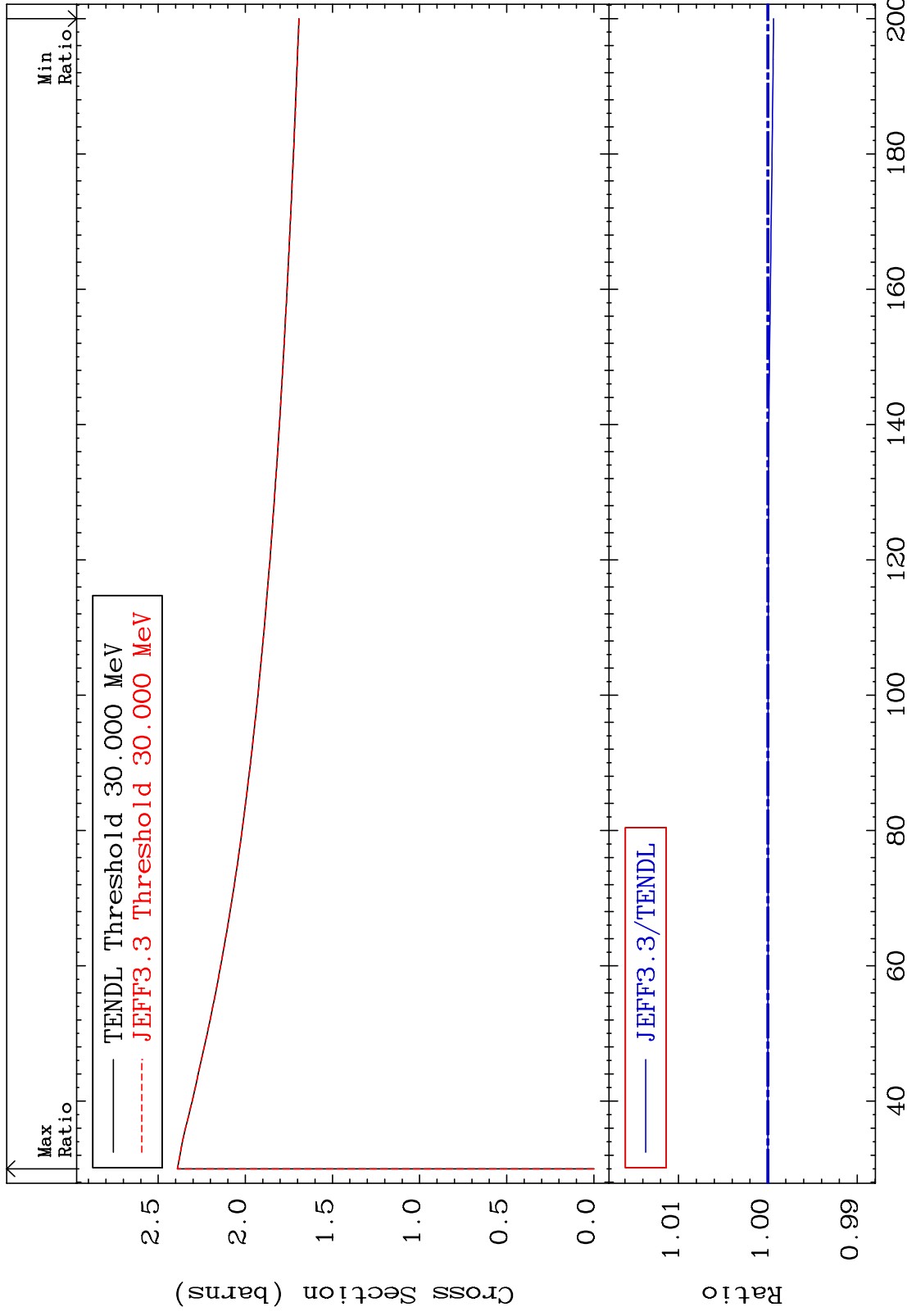
-6.638 To 0.760 %



MAT 8037

(n, remainder)
Cross Section

80-Hg-200
-0.064 To 0.000 %



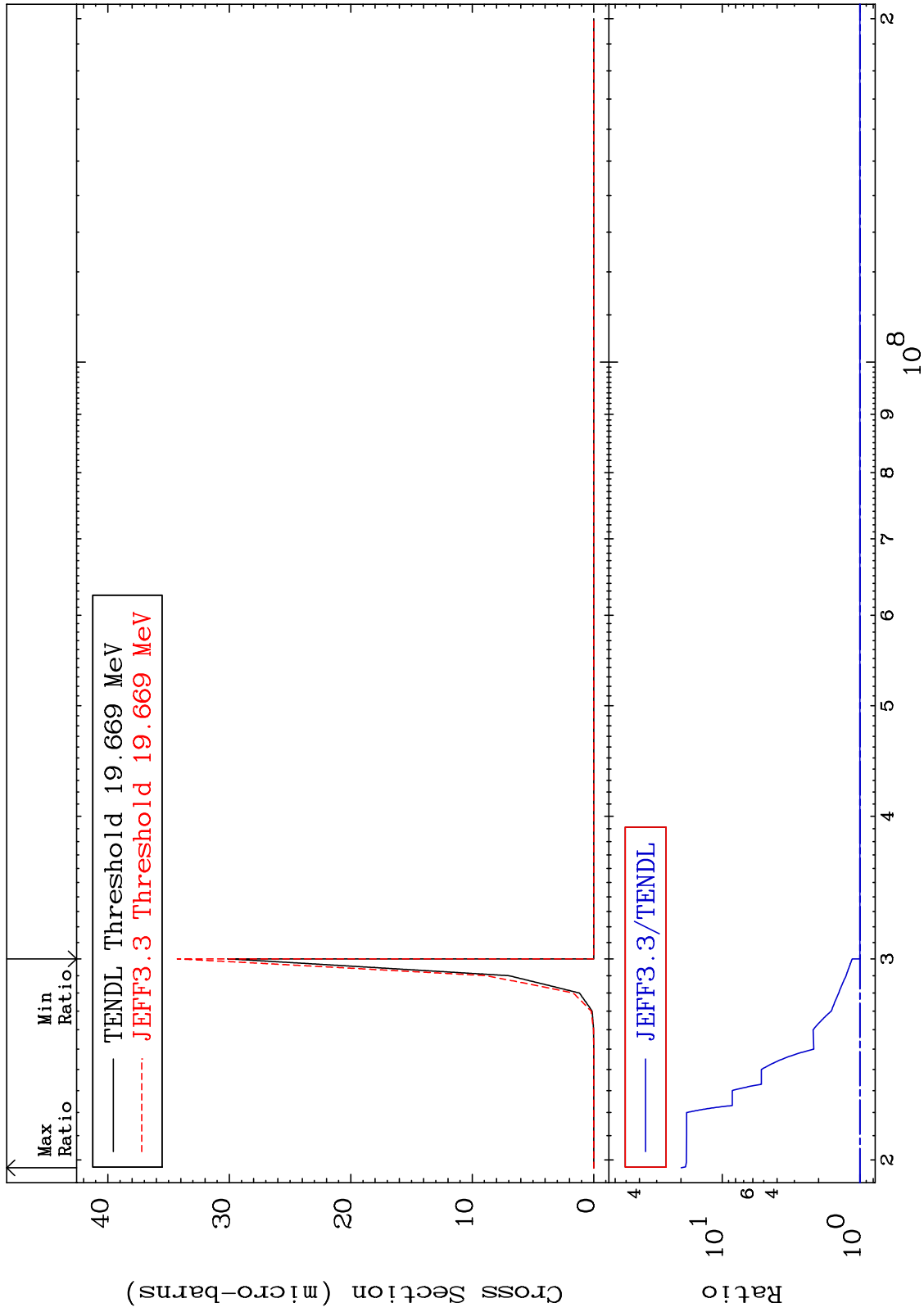
MAT 8037

(n,2n) d

80-Hg-200

Cross Section

0.000 To 1889. %



5

Incident Energy (eV)

80-Hg-200

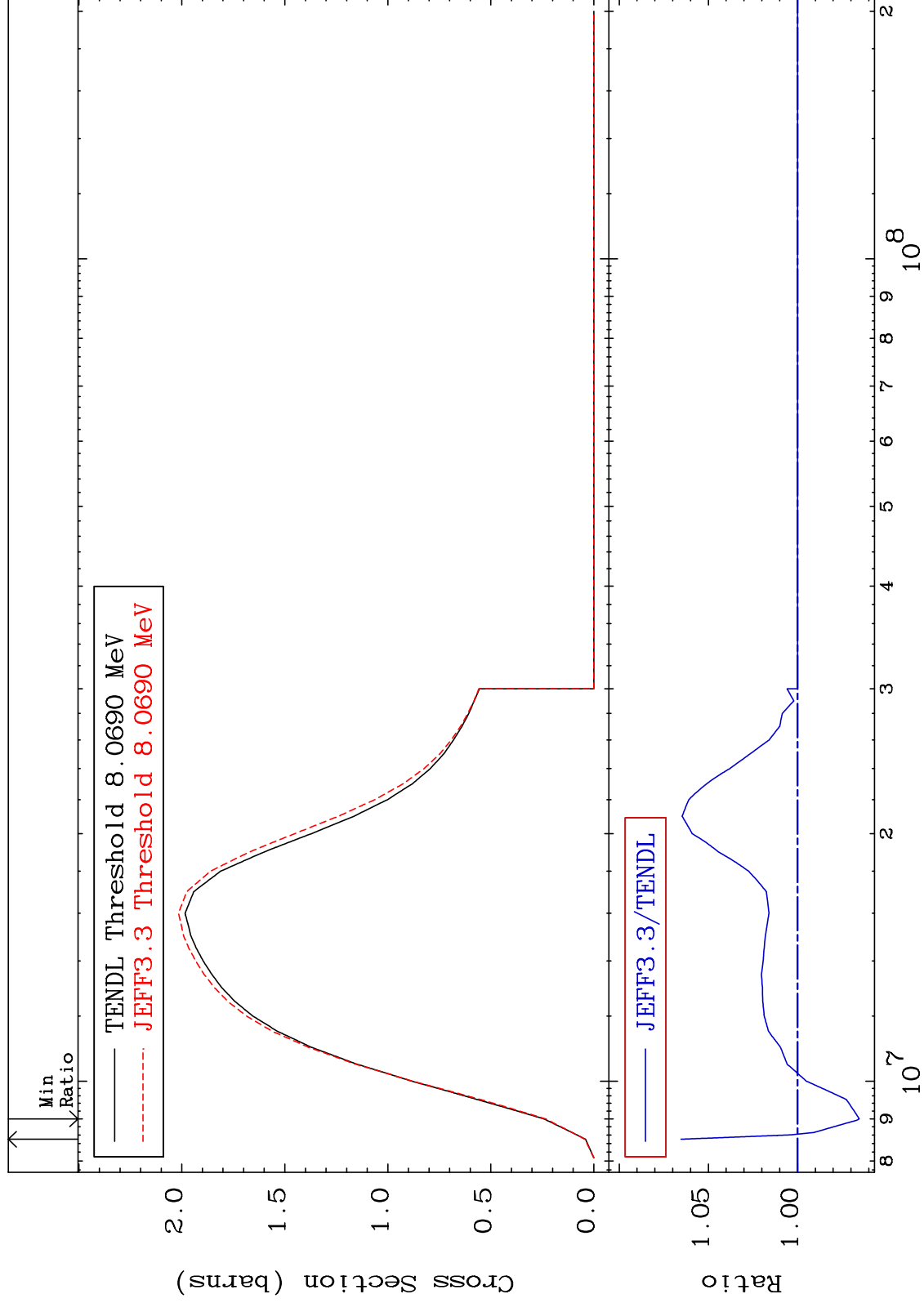
MAT 8037

(n, 2n)

80-Hg-200

Cross Section

-3.464 To 6.532 %



6

Incident Energy (eV)

80-Hg-200

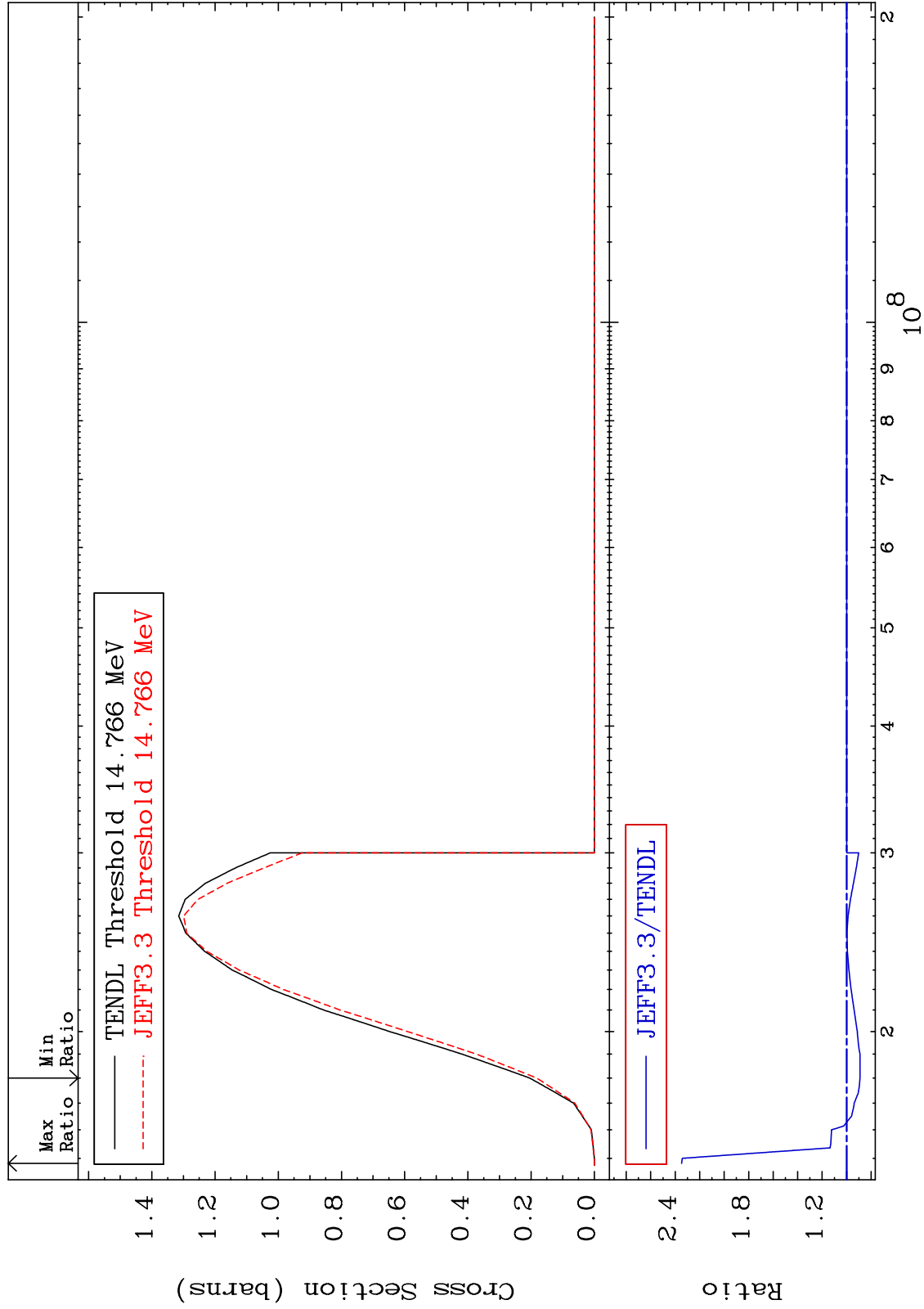
MAT 8037

(n,3n)

80-Hg-200

Cross Section

-10.97 To 134.7 %



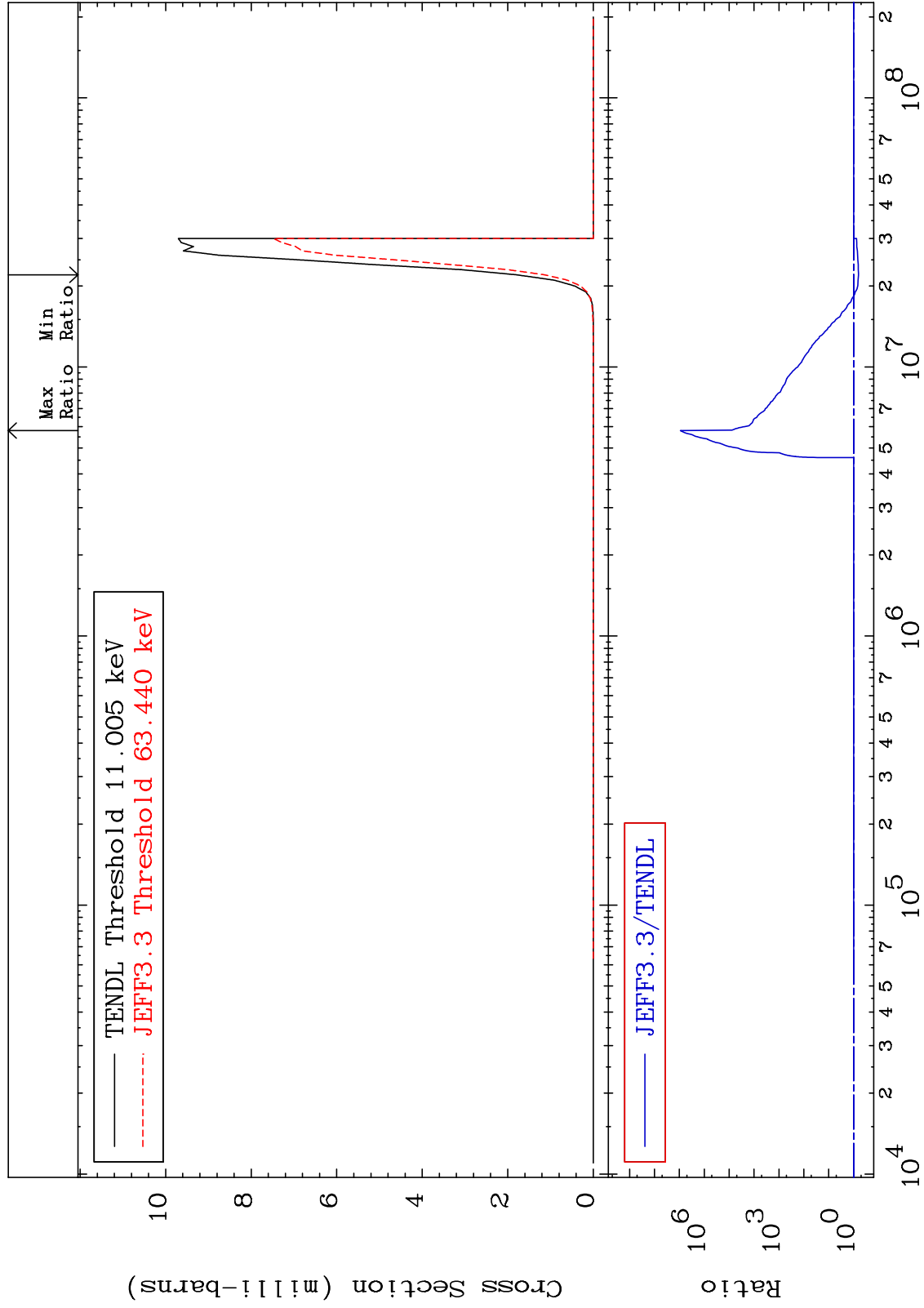
MAT 8037

(n,n') α

Cross Section

80-Hg-200

-36.50 To 9999. %



80-Hg-200

Incident Energy (eV)

8

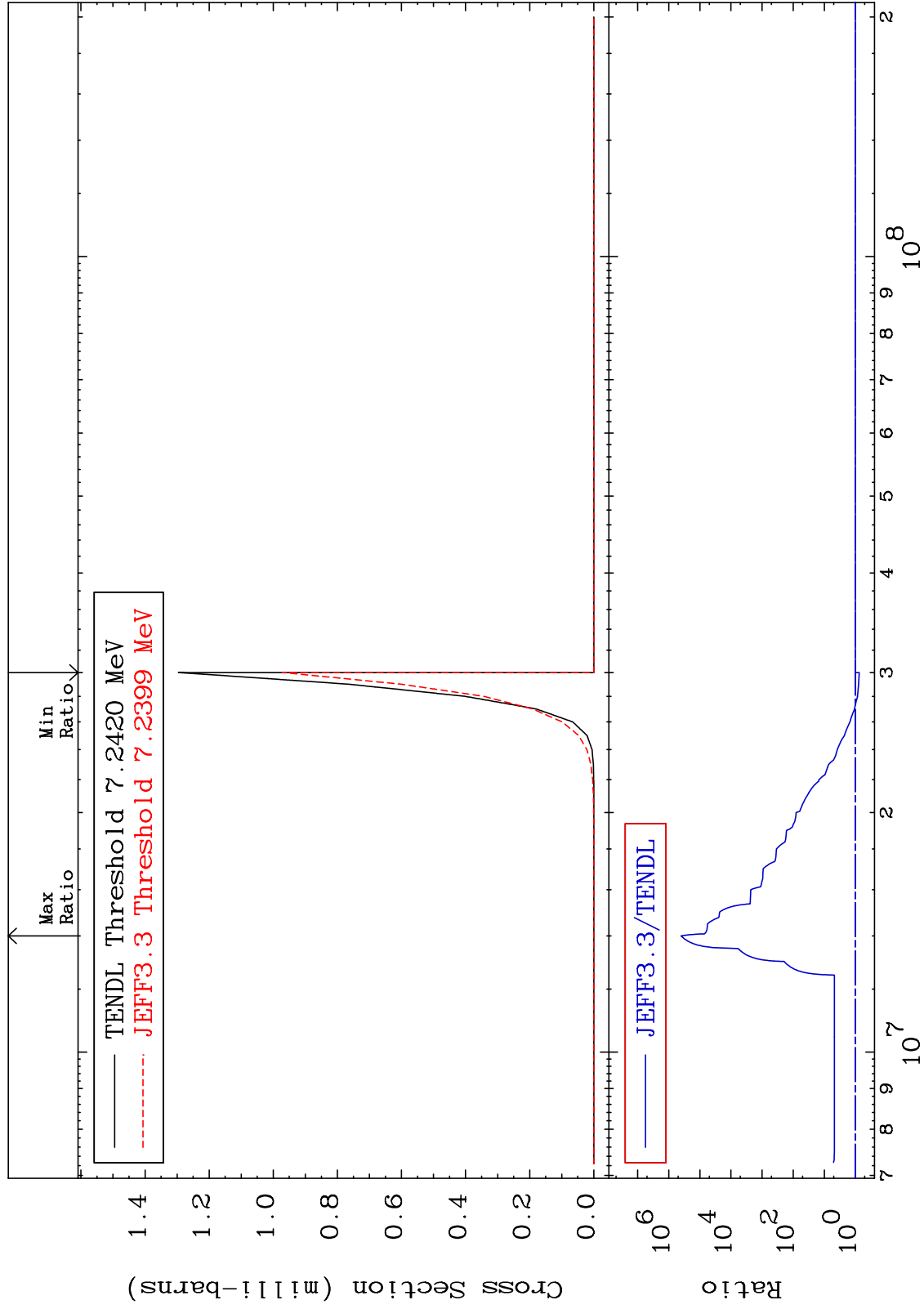
MAT 8037

(n,2n) α

80-Hg-200

Cross Section

-25.05 To 9999. %



9

Incident Energy (eV)

80-Hg-200

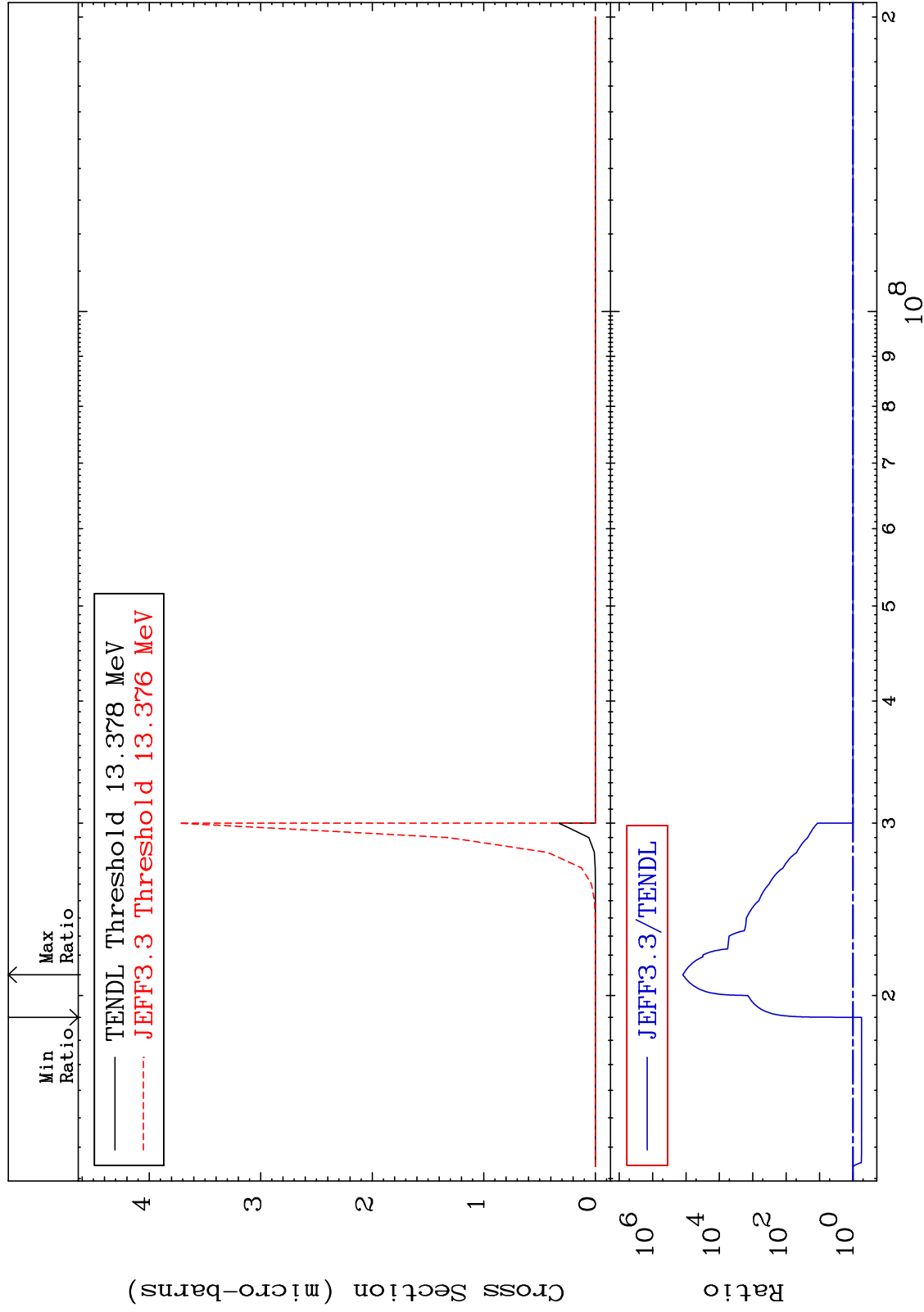
MAT 8037

(n,3n) α

80-Hg-200

Cross Section

-44.92 To 9999. %



10

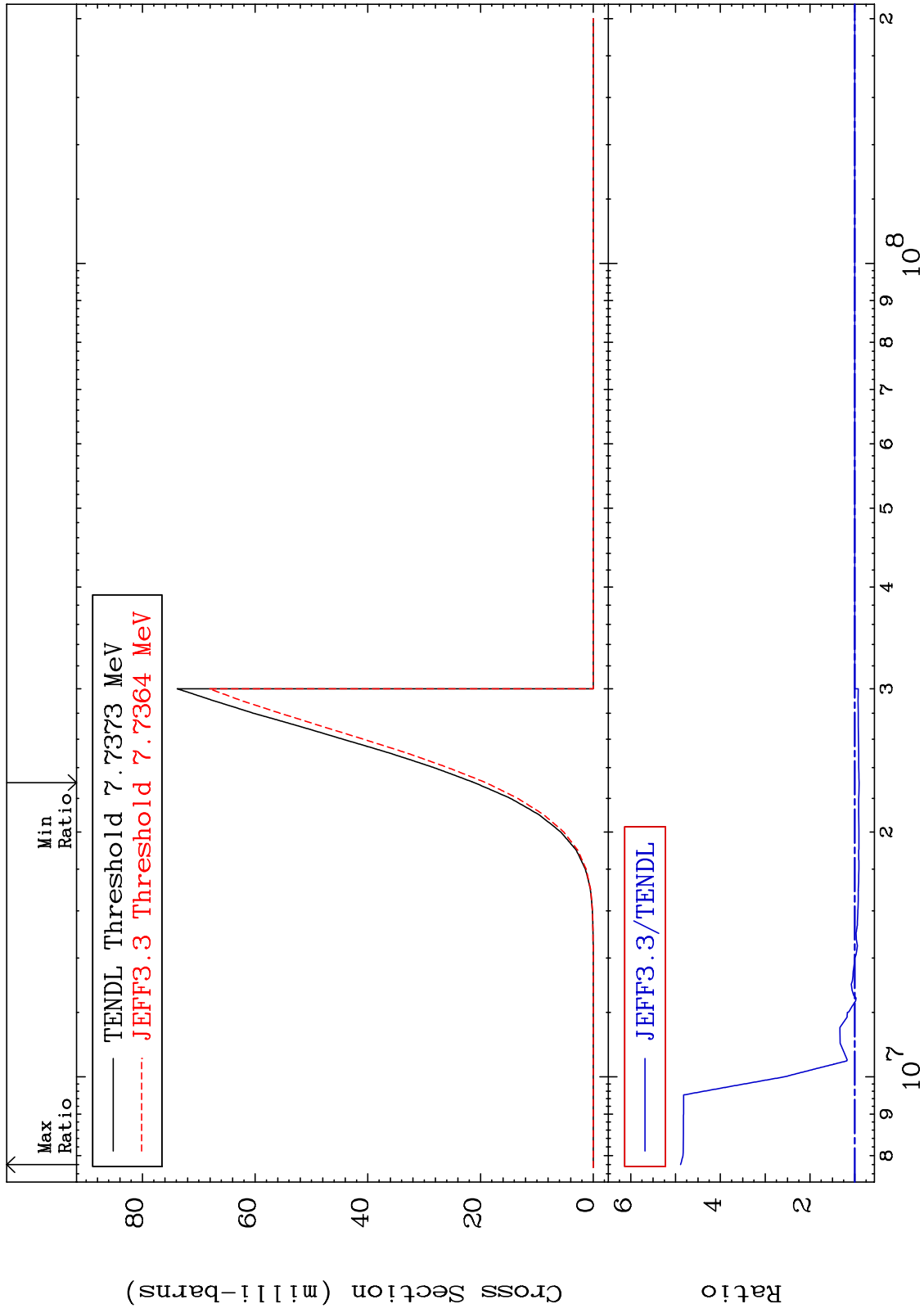
Incident Energy (eV)

80-Hg-200

MAT 8037

(n,n') p
Cross Section

80-Hg-200
-9.750 To 388.6 %



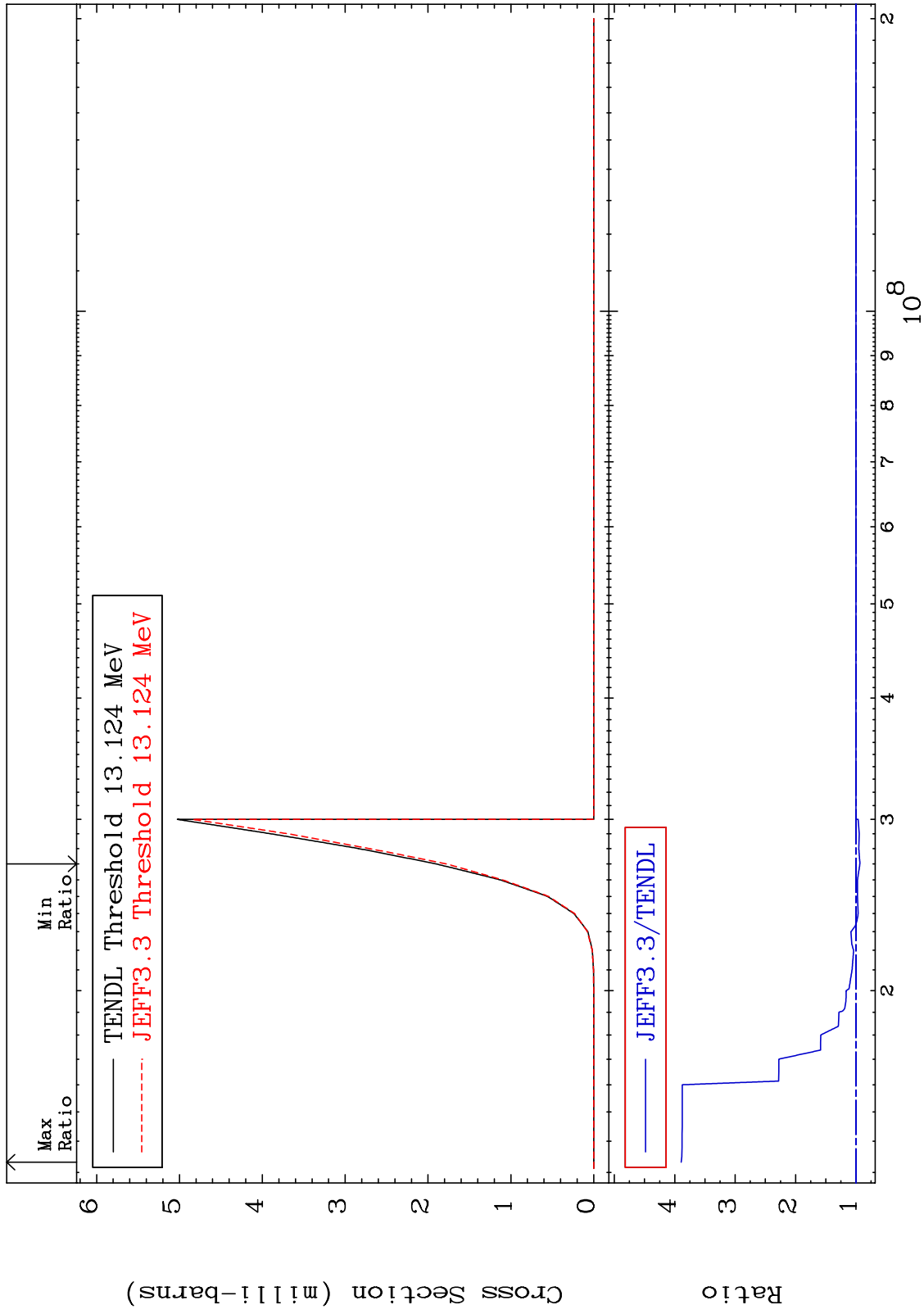
MAT 8037

(n, n') d

80-Hg-200

Cross Section

-6.494 To 289.3 %



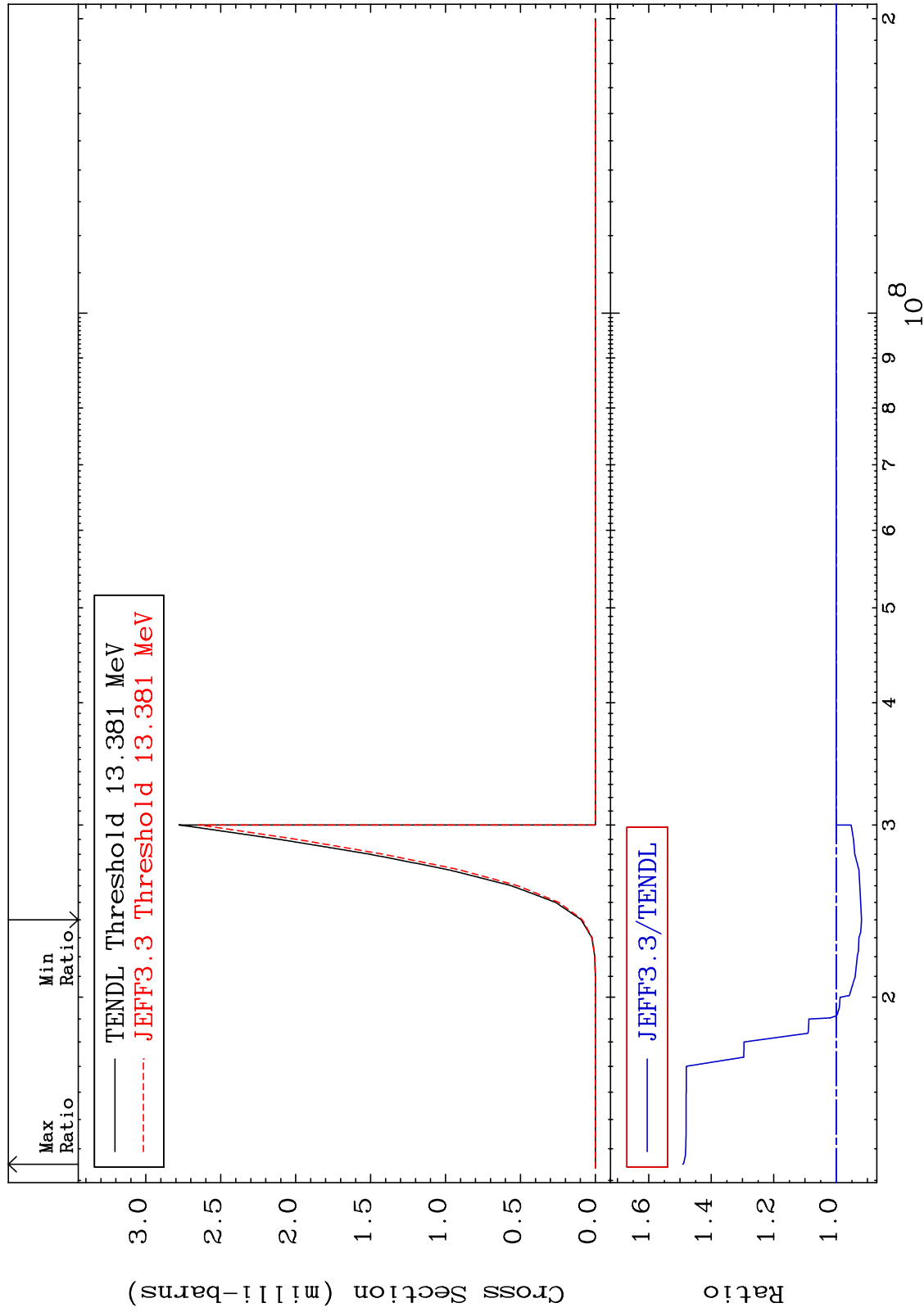
MAT 8037

(n, n') t

80-Hg-200

Cross Section

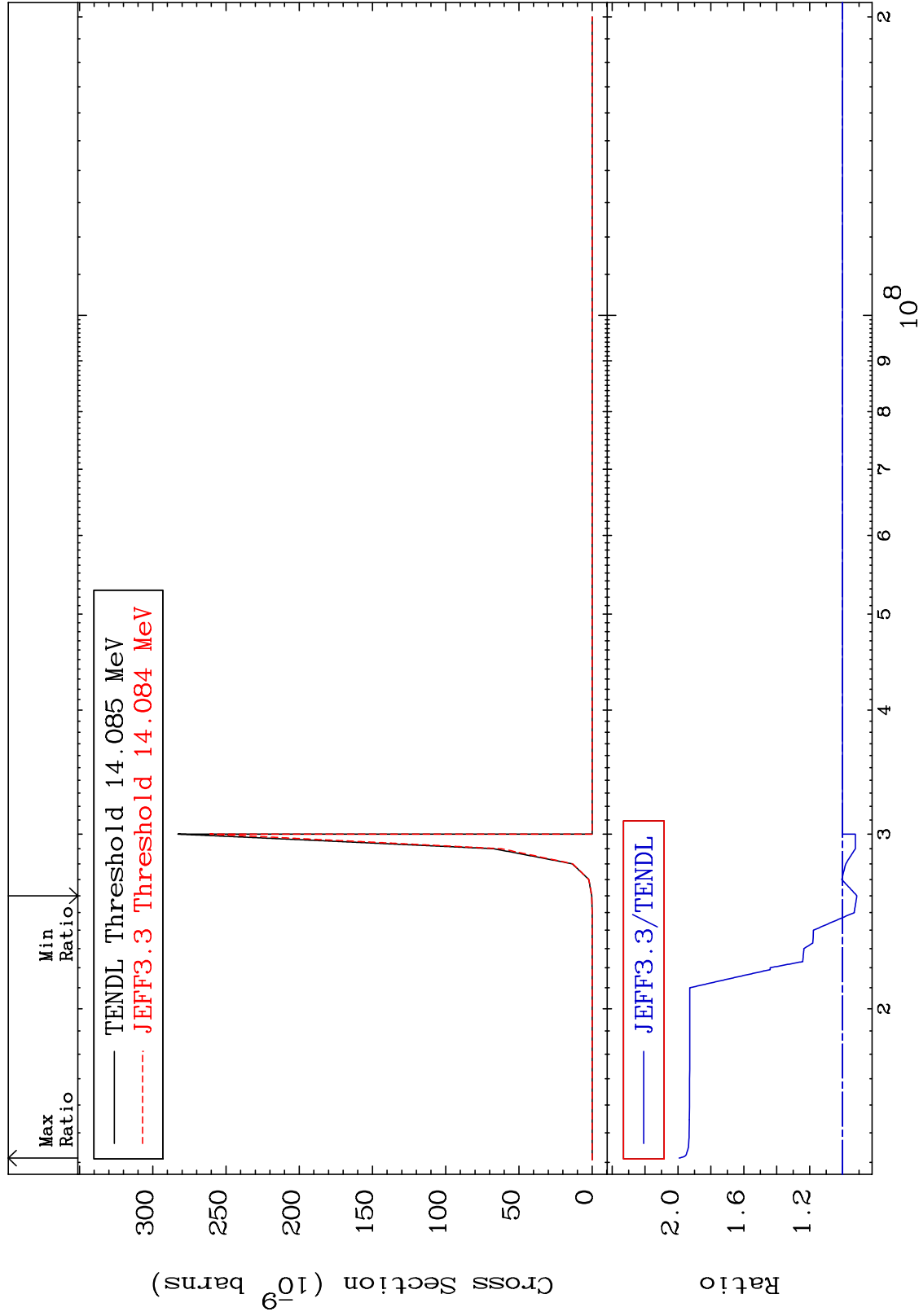
-8.125 To 49.08 %



MAT 8037

(n, n') He-3
Cross Section

80-Hg-200
-8.697 To 99.29 %



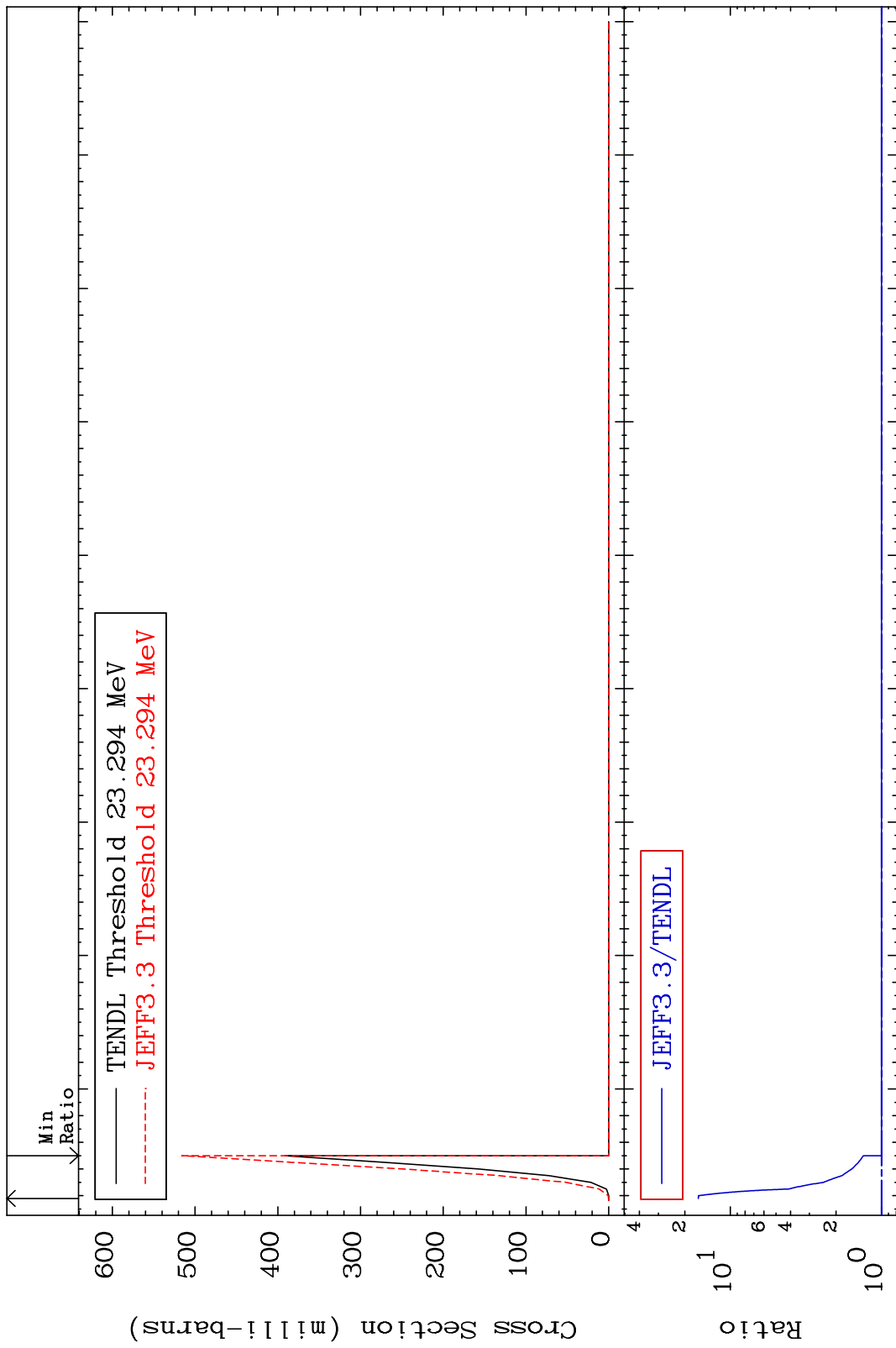
MAT 8037

(n, 4n)

80-Hg-200

Cross Section

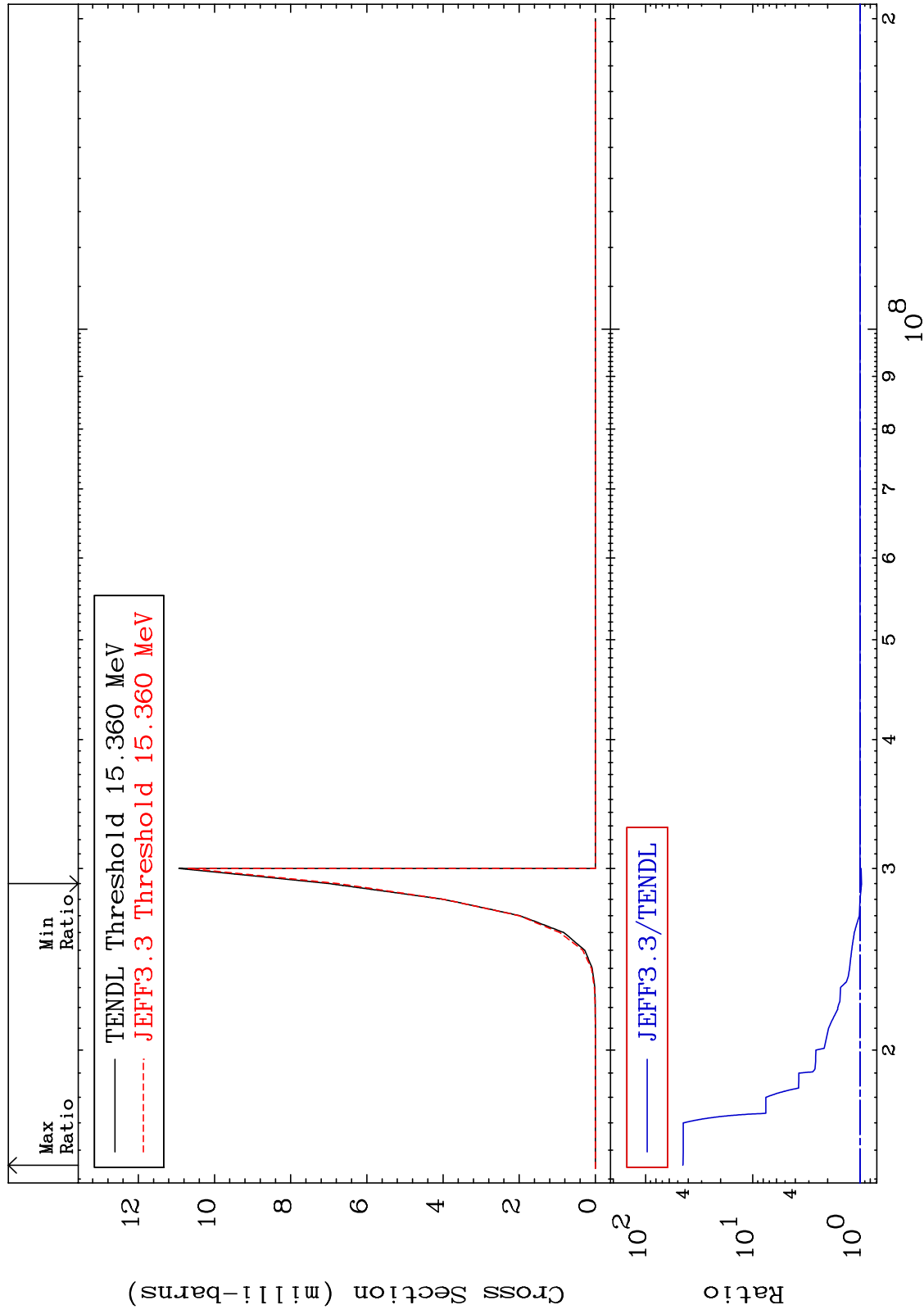
0.000 To 1530. %



MAT 8037

(n,2n) p
Cross Section

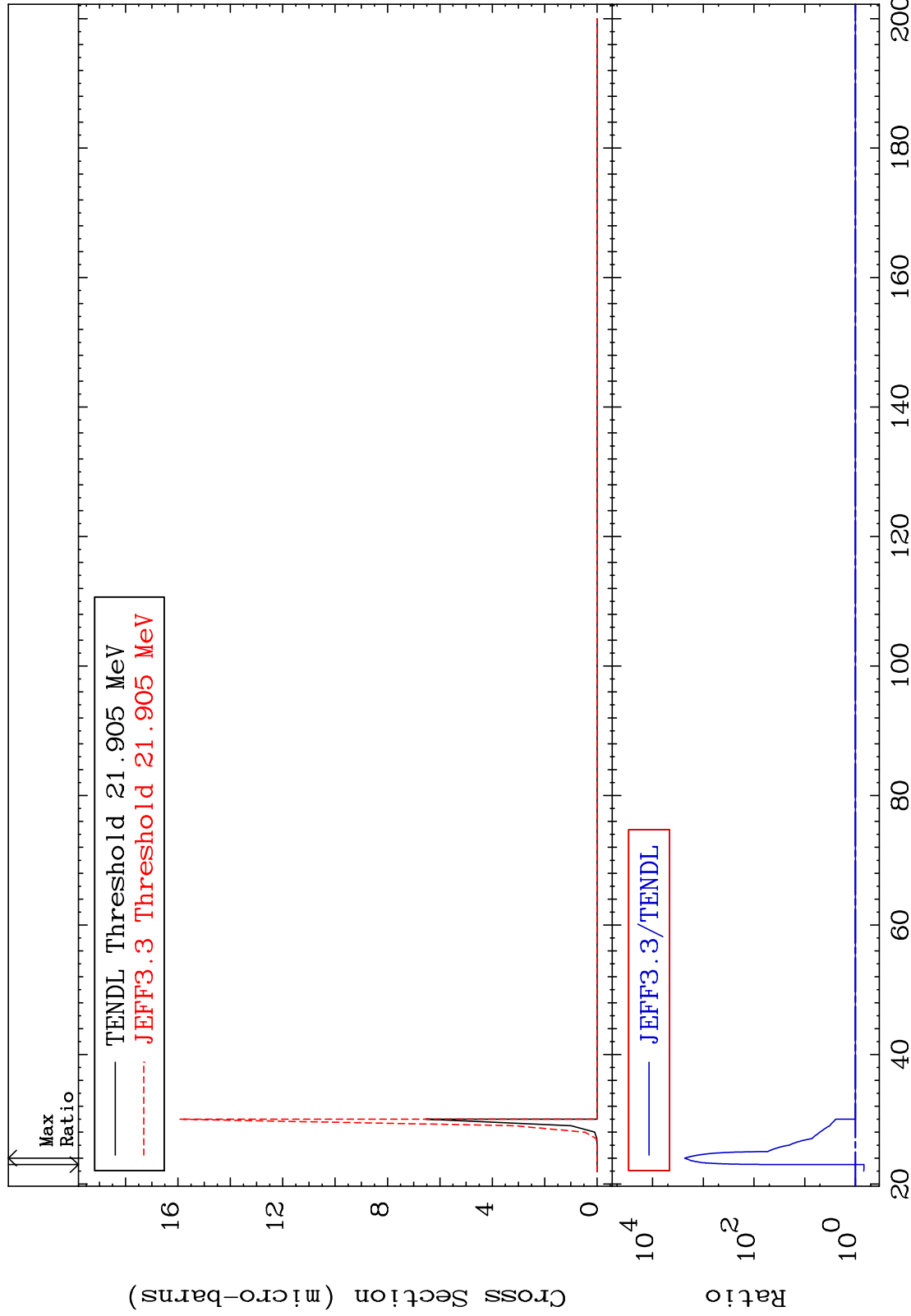
80-Hg-200
-3.398 To 4388. %



MAT 8037

(n,3n) p
Cross Section

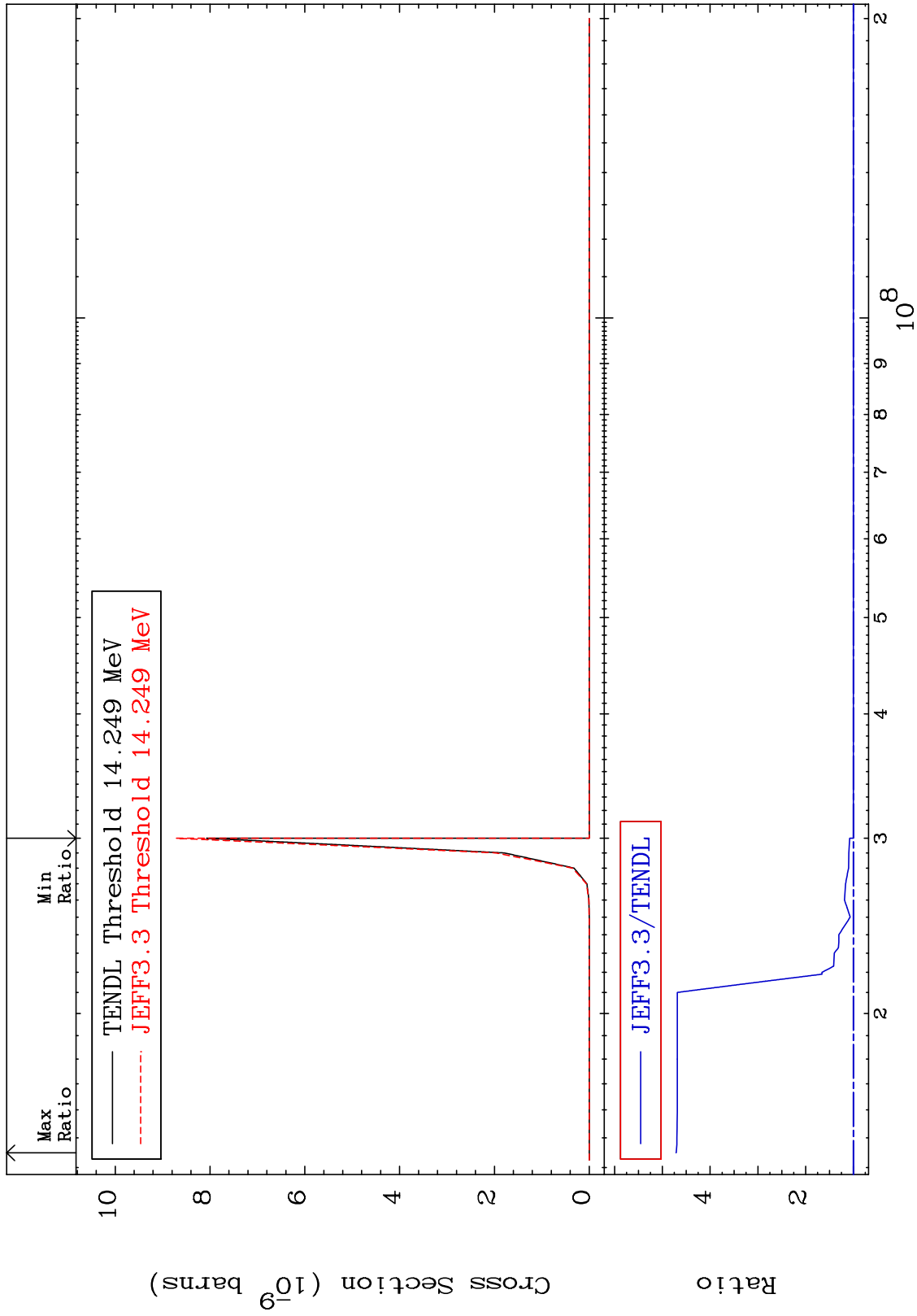
80-Hg-200
-32.26 To 9999. %



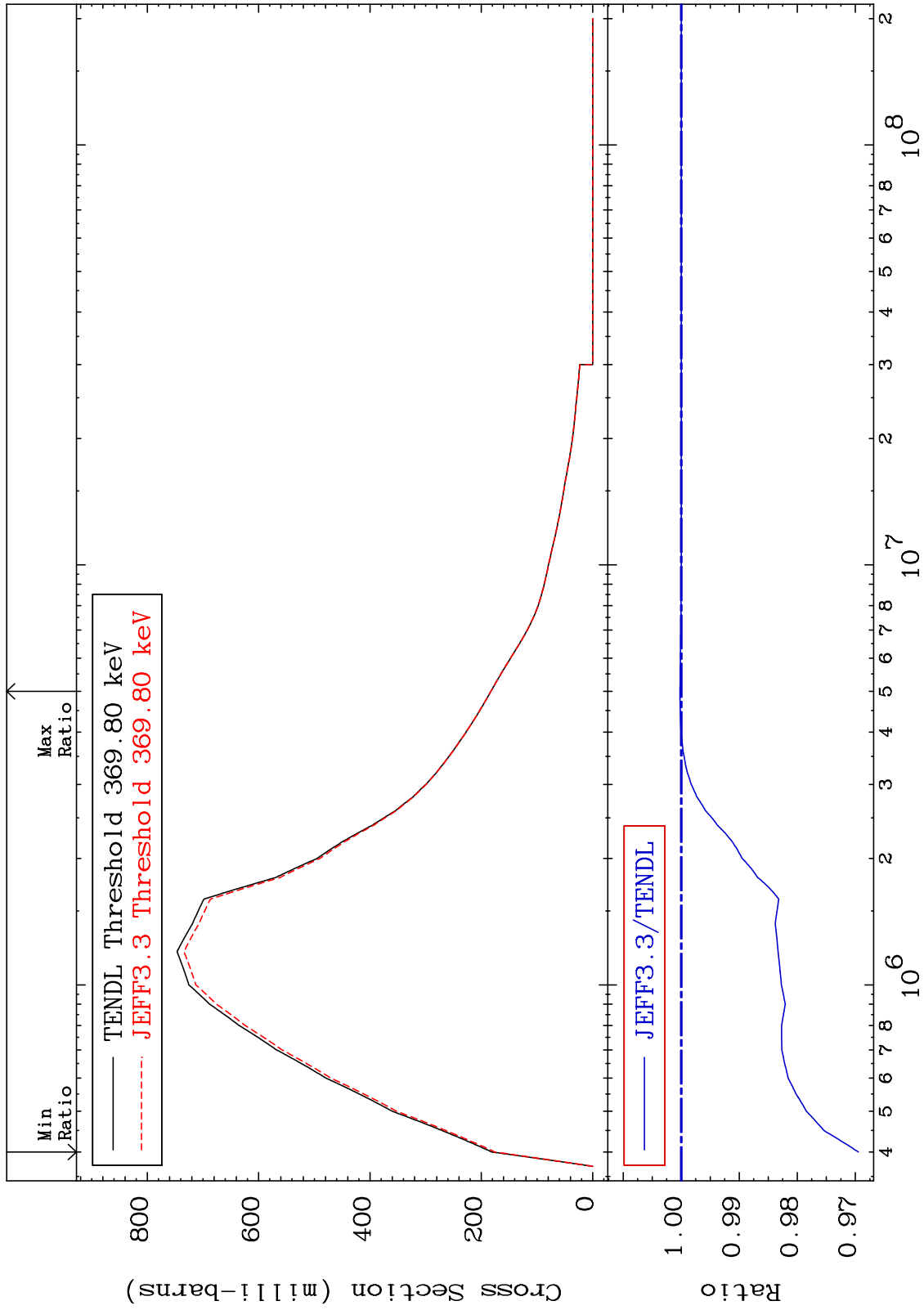
MAT 8037

(n,2n) p
Cross Section

80-Hg-200
To 371.3 %
0.000



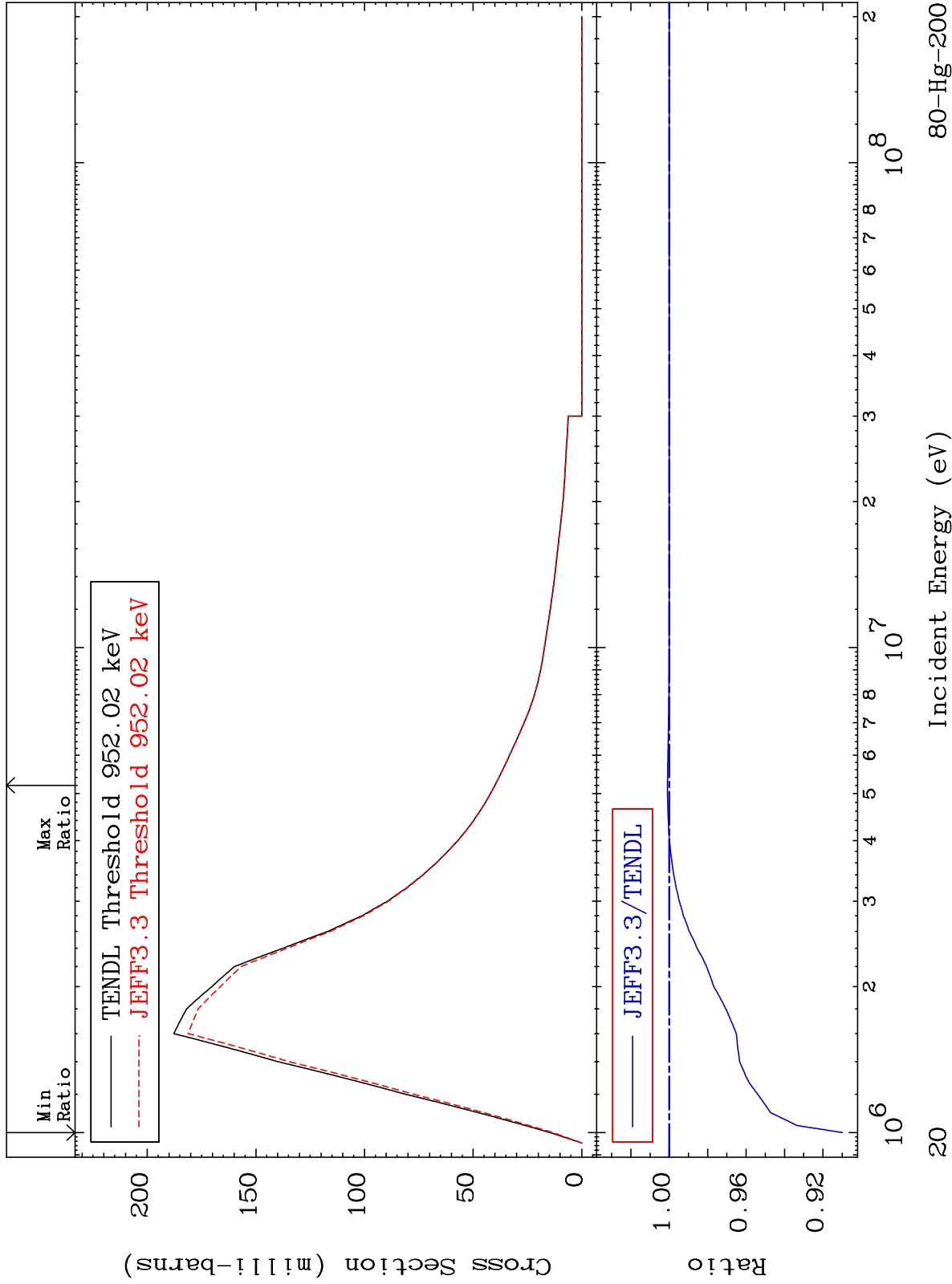
MAT 8037 MT= 51 (n,n') Level Cross Section 80-Hg-200
 -3.053 To 0.021 %



MAT 8037

MT= 52 (n,n') Level
Cross Section

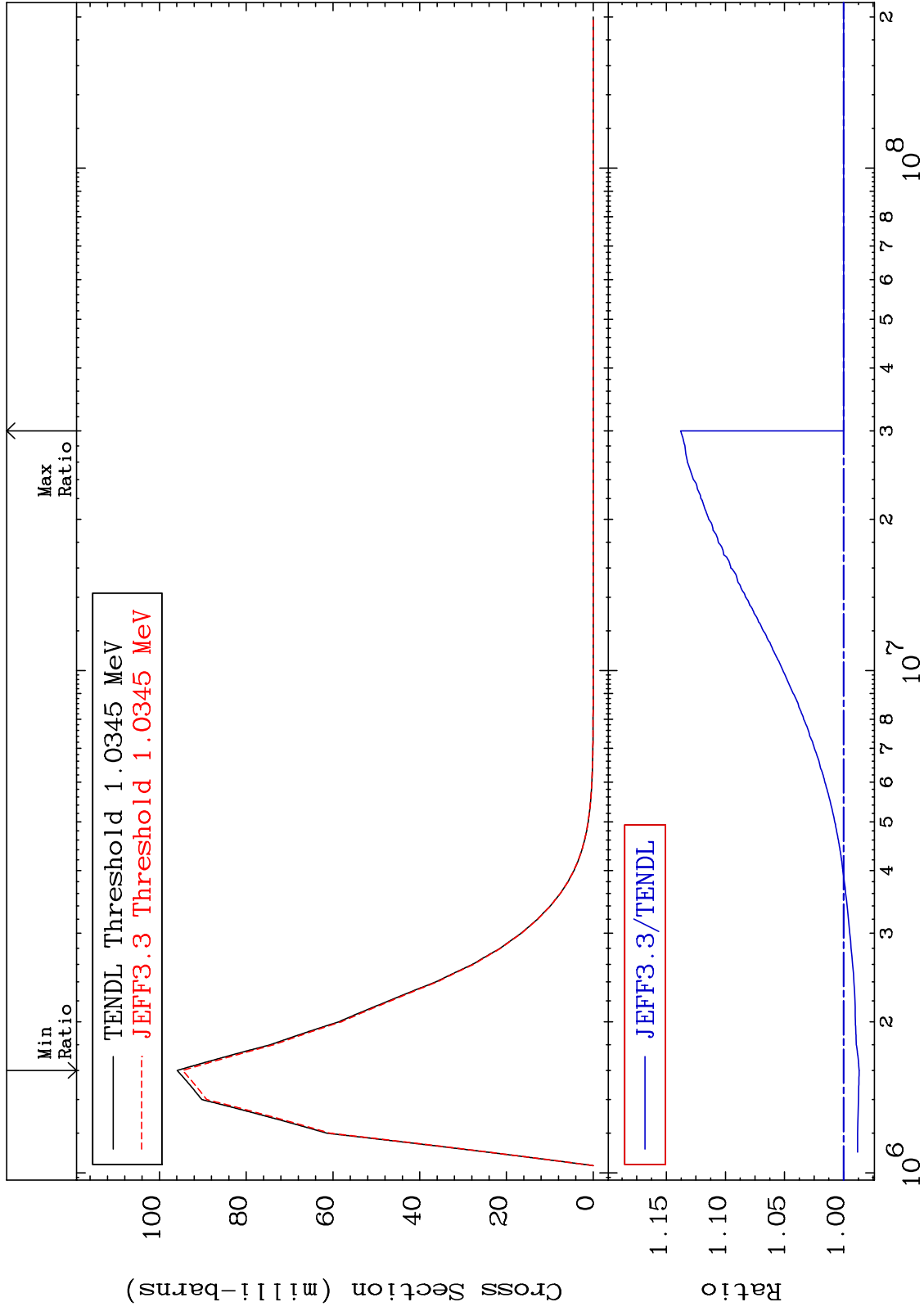
80-Hg-200
-9.029 To 0.090 %



MAT 8037

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

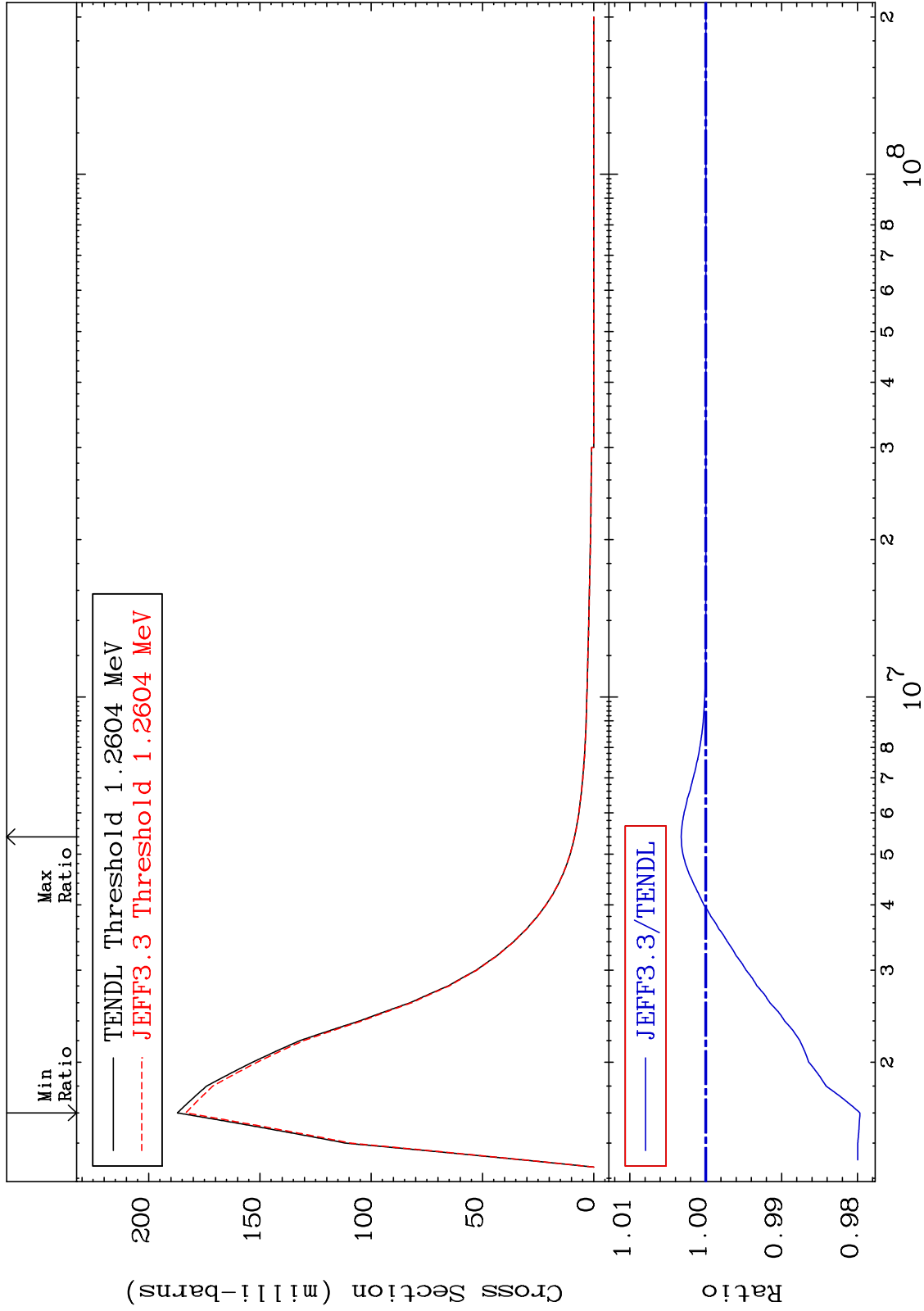
80-Hg-200
-1.317 To 13.79 %



MAT 8037

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

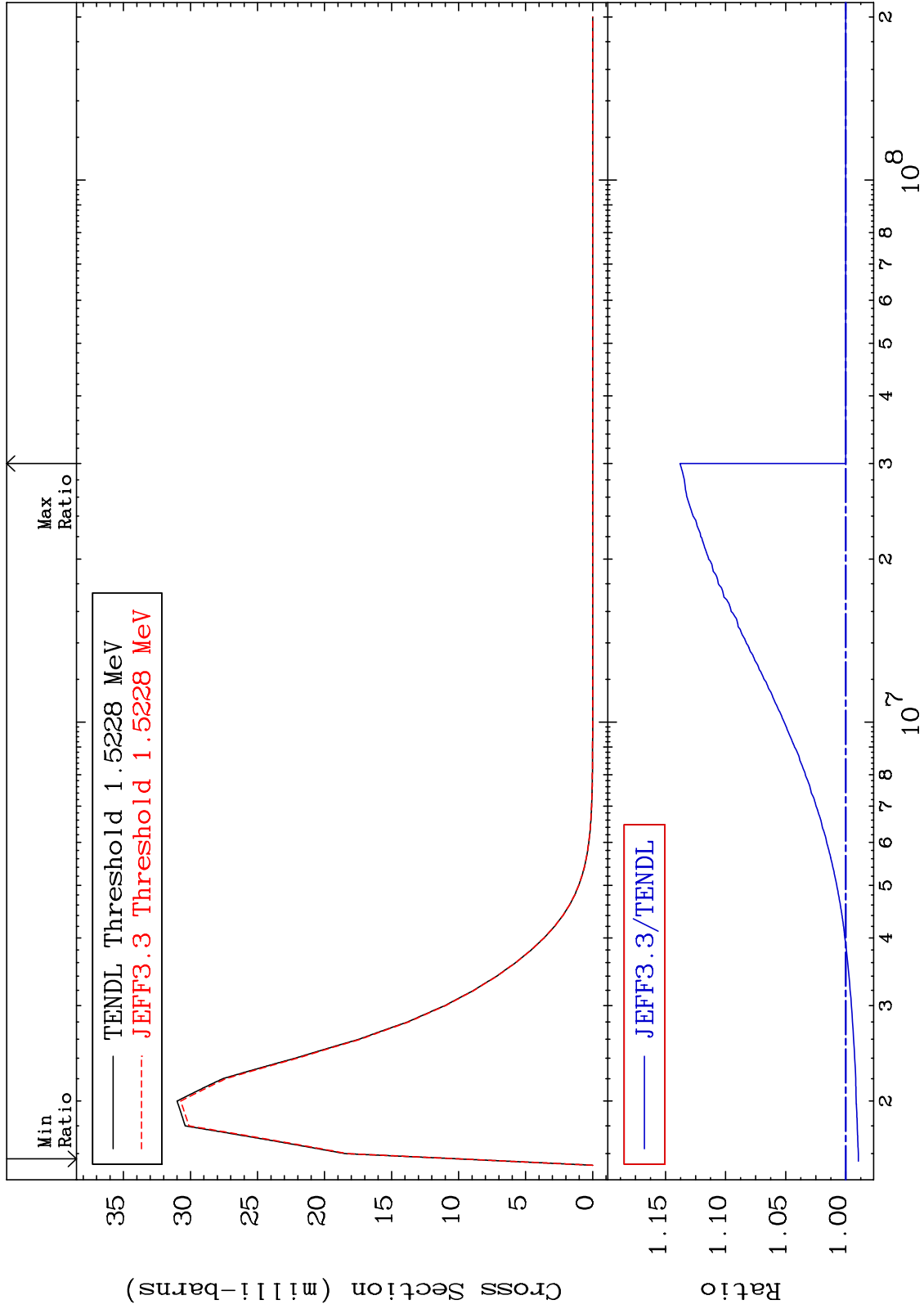
80-Hg-200
-2.032 To 0.324 %



MAT 8037

MT= 55 (n,n') Level
Cross Section

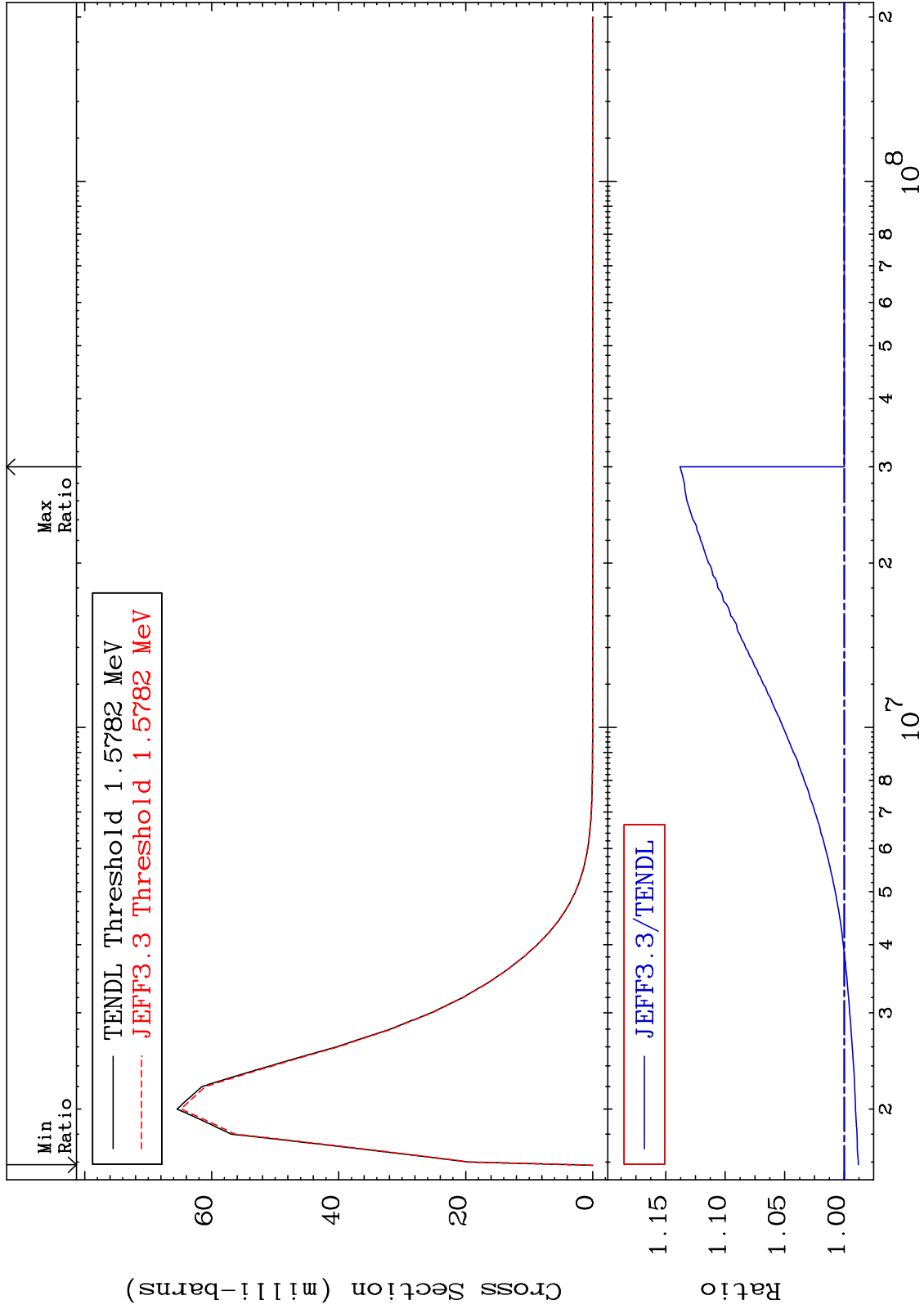
80-Hg-200
-1.048 To 13.79 %



MAT 8037

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

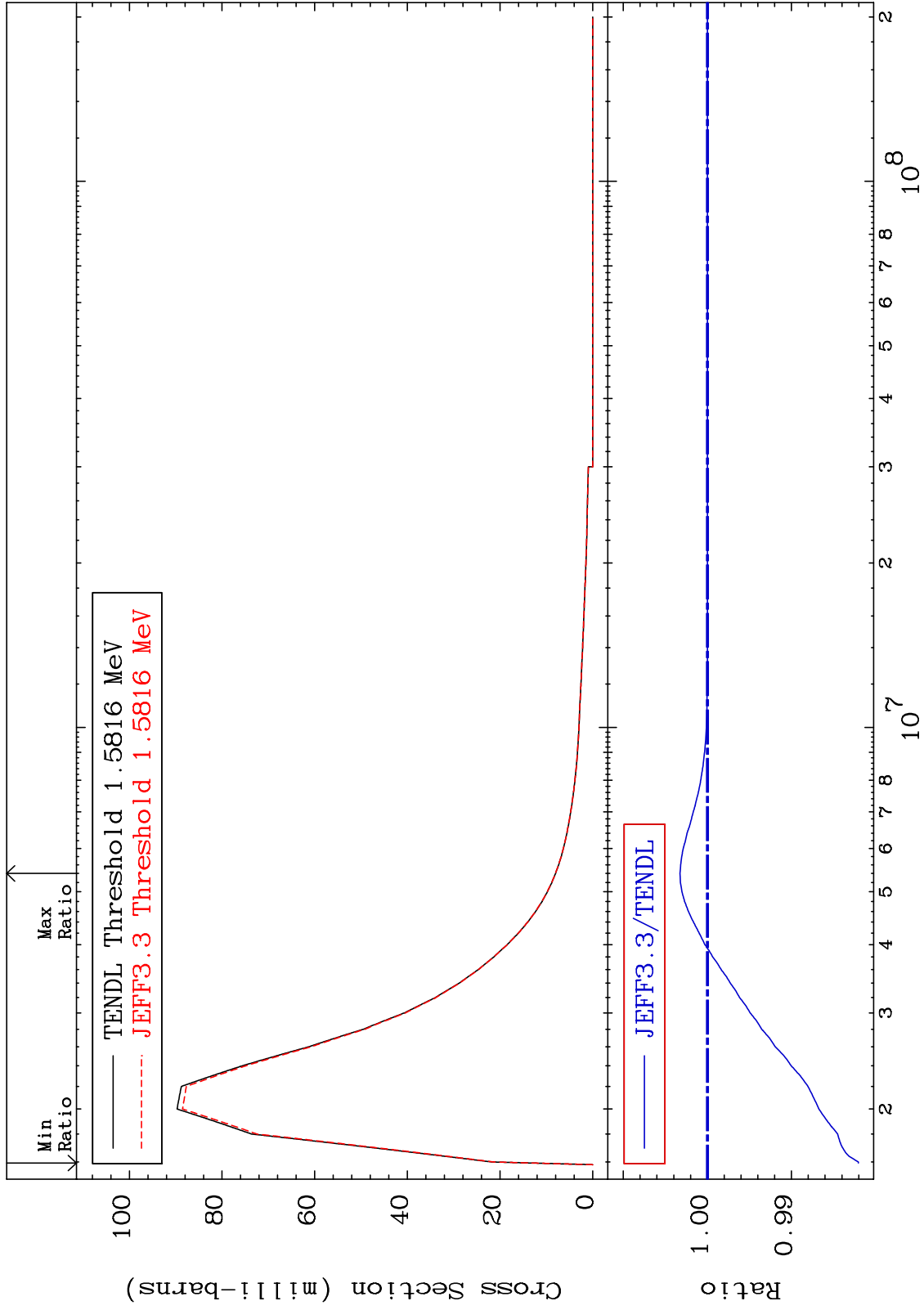
80-Hg-200
-1.192 To 13.80 %



MAT 8037

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

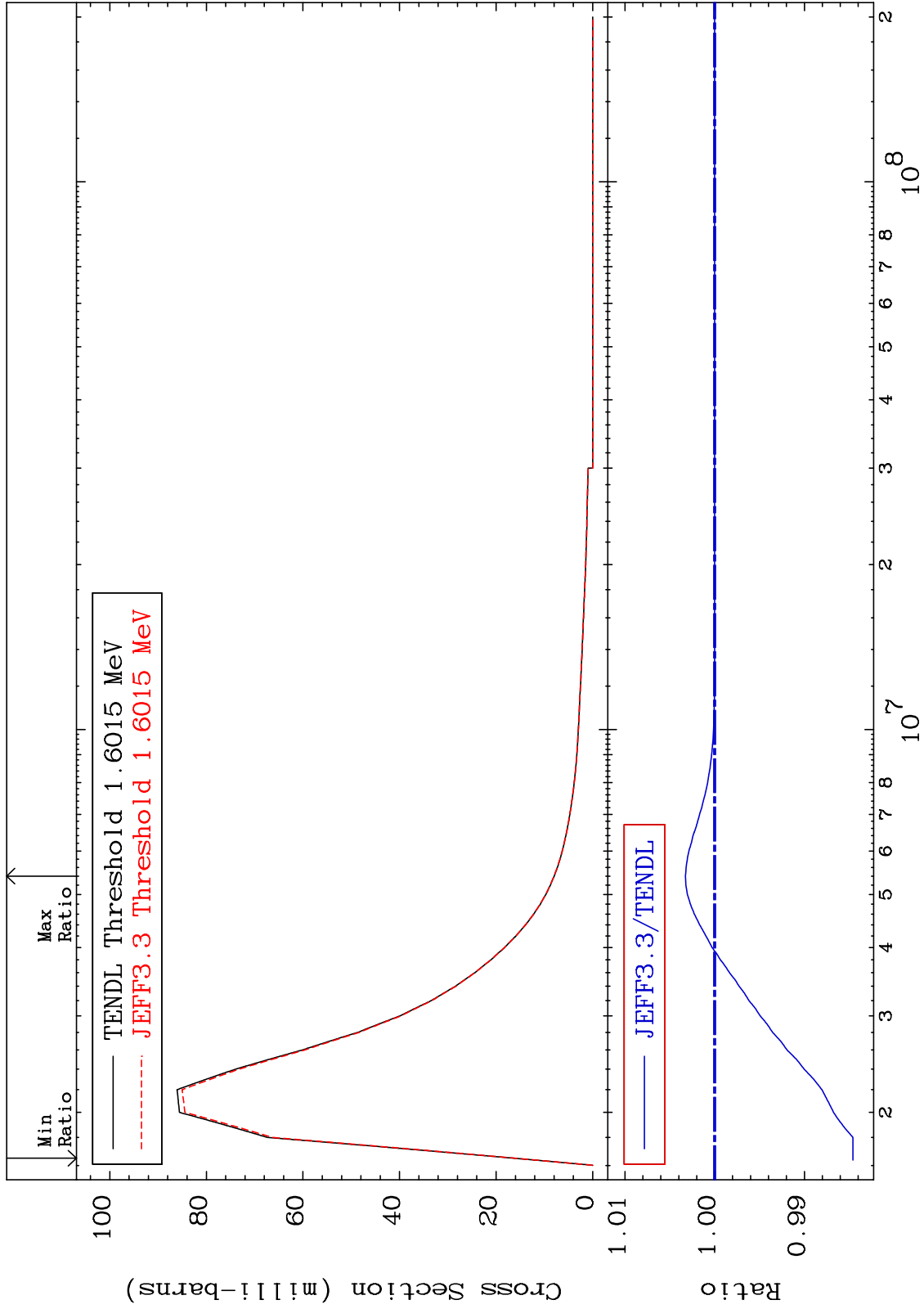
80-Hg-200
-1.796 To 0.325 %



MAT 8037

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

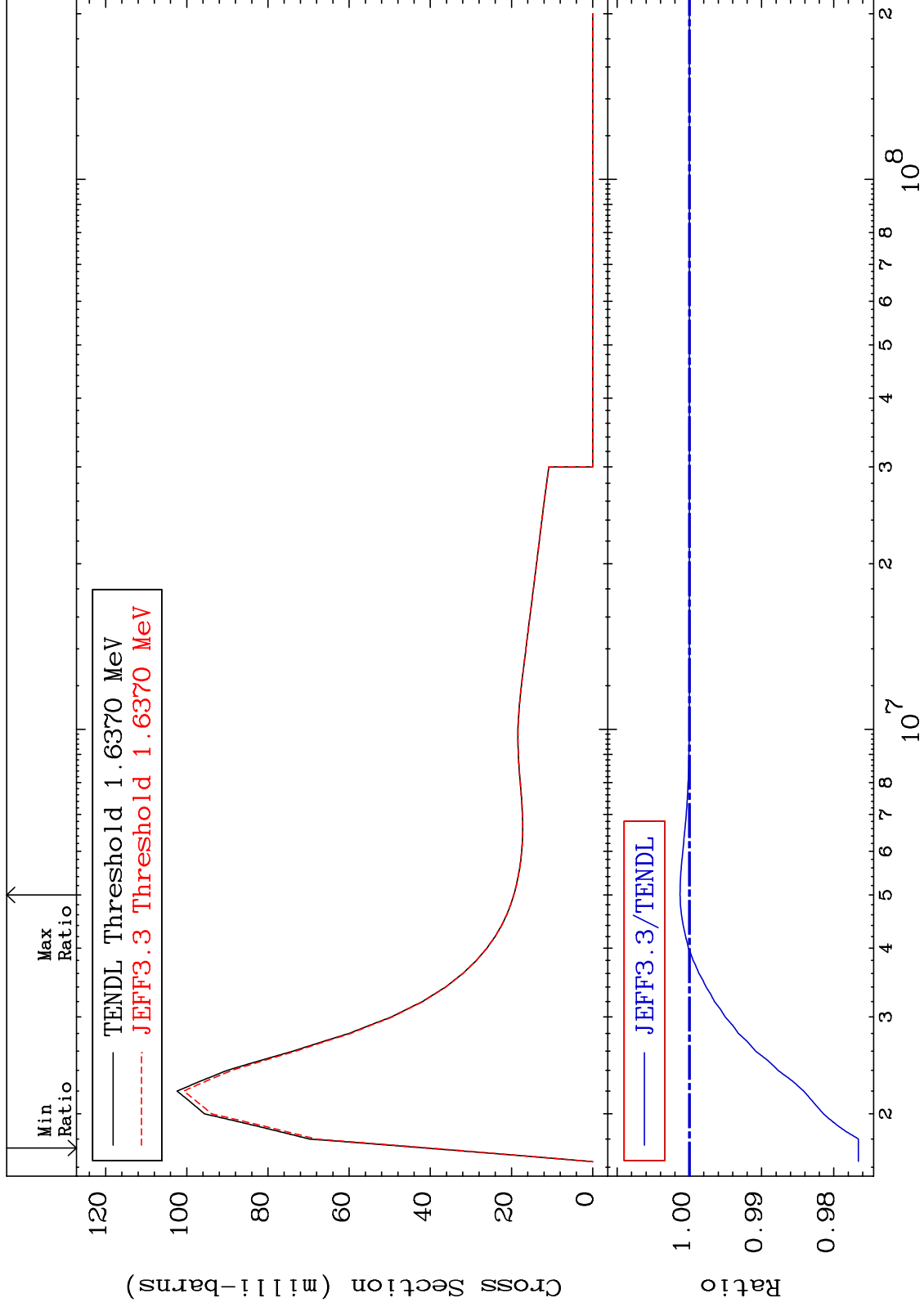
80-Hg-200
-1.541 To 0.326 %



MAT 8037

MT= 59 (n,n') Level
Cross Section

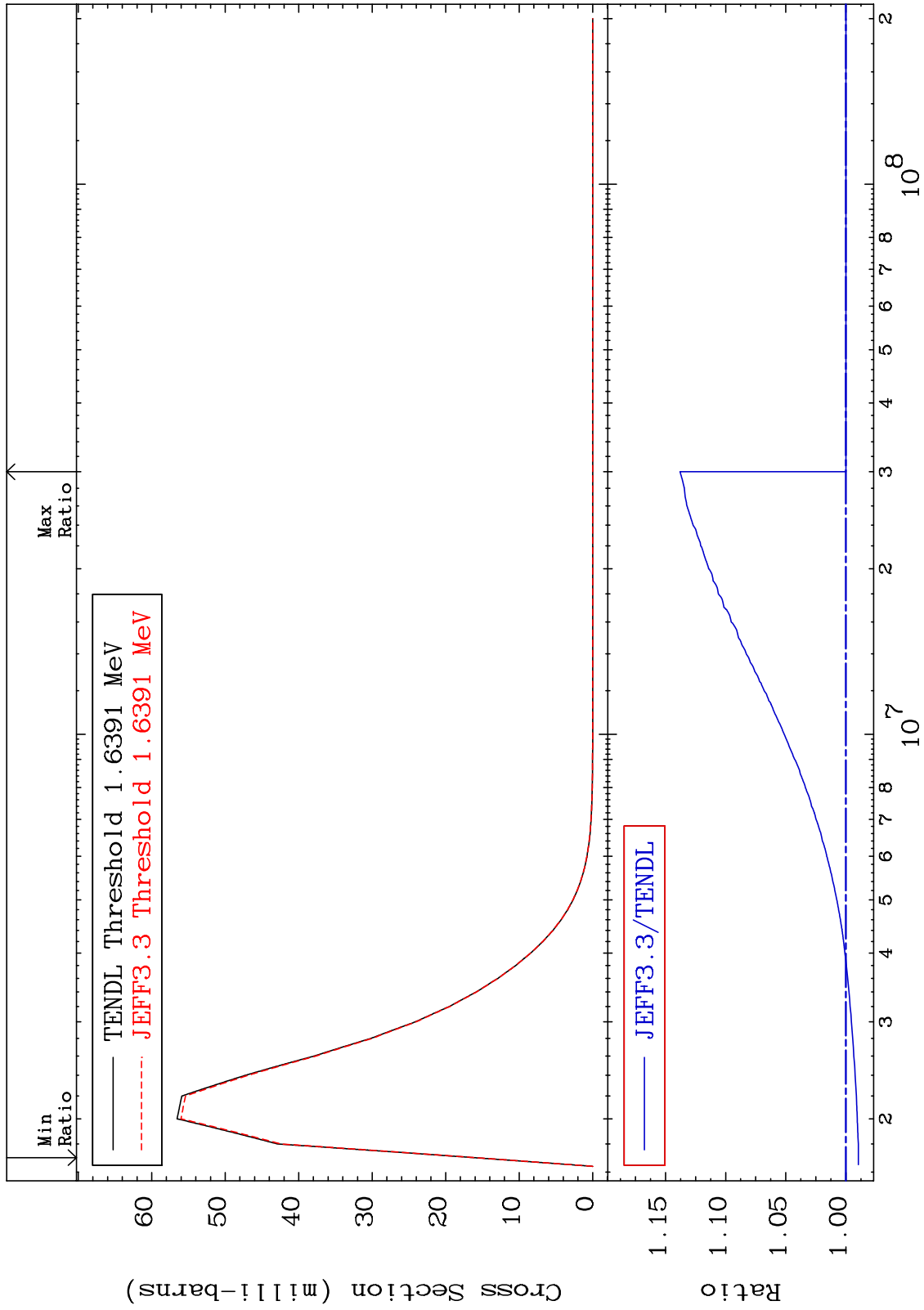
80-Hg-200
-2.340 To 0.130 %



MAT 8037

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

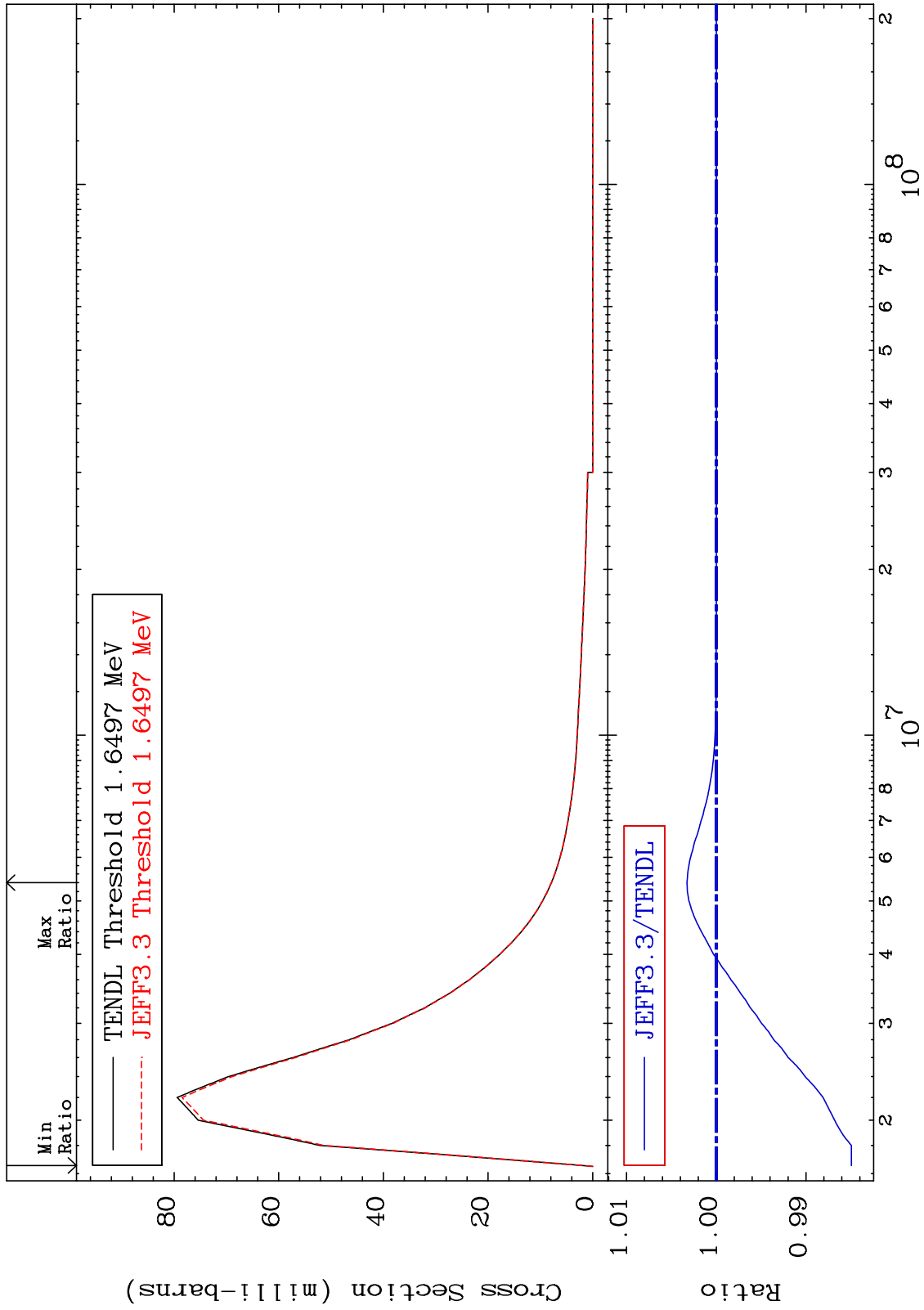
80-Hg-200
-1.042 To 13.80 %



MAT 8037

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

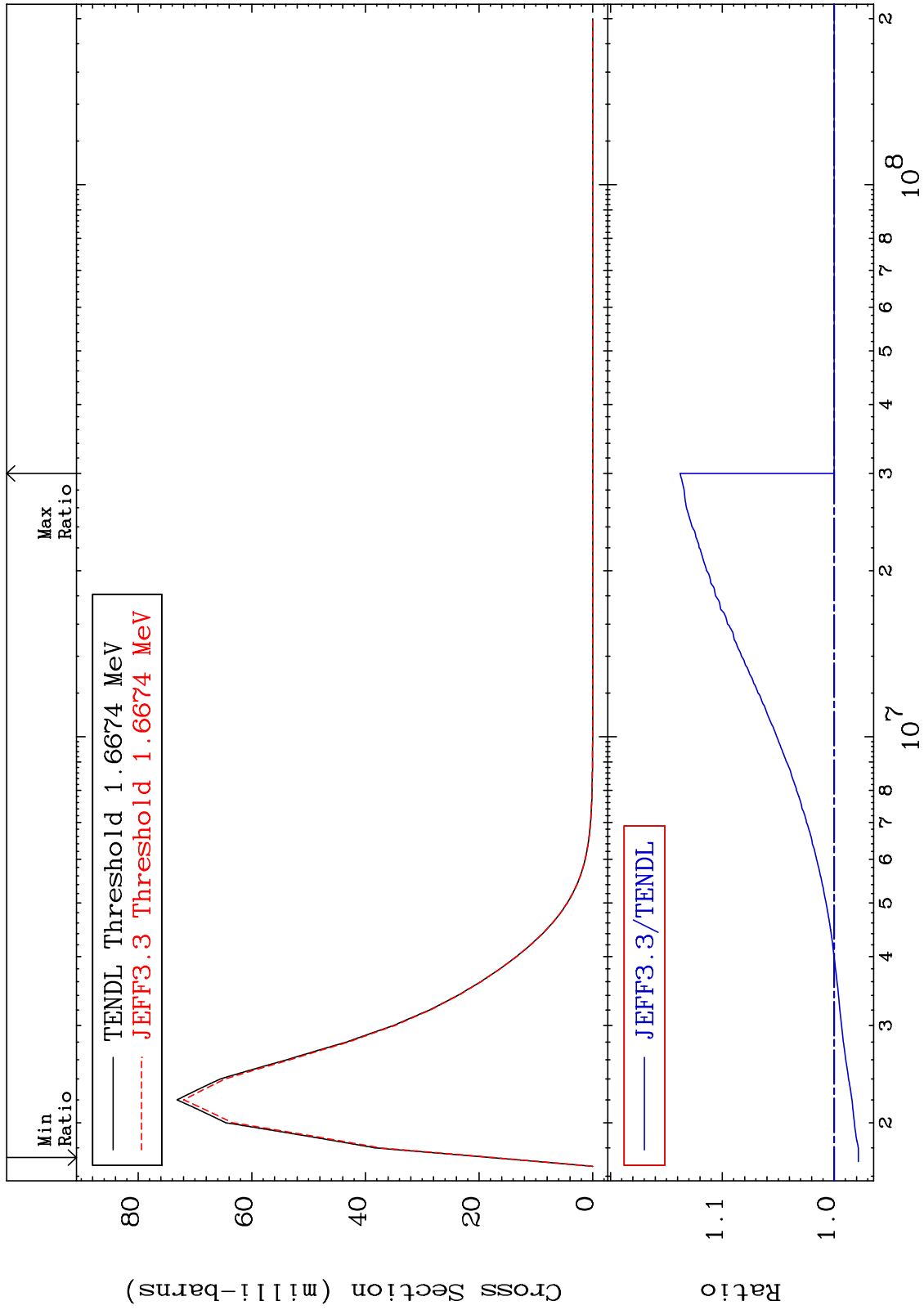
80-Hg-200
-1.506 To 0.326 %



MAT 8037

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

80-Hg-200
-2.170 To 13.79 %



30

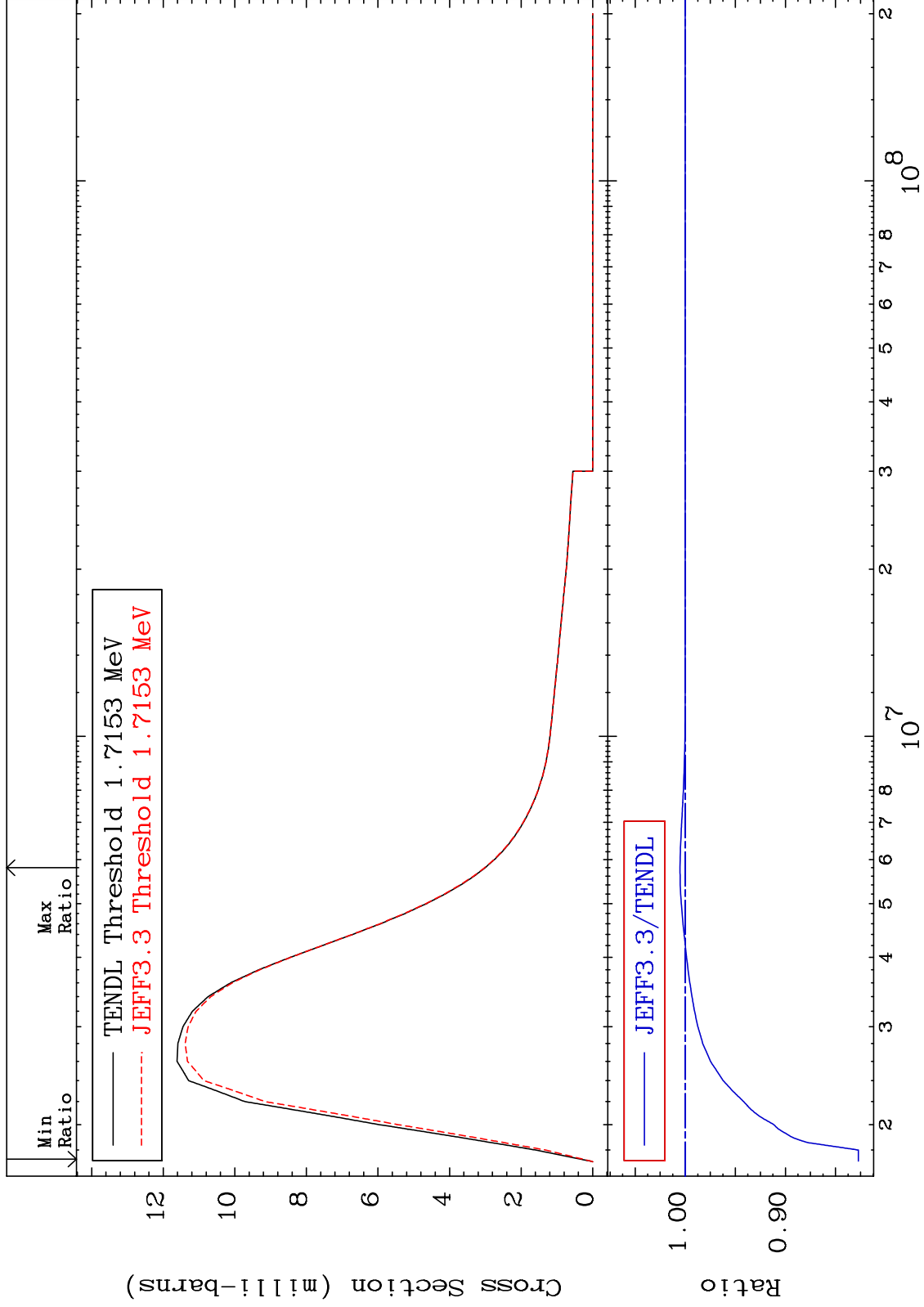
Incident Energy (eV)

80-Hg-200

MAT 8037

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

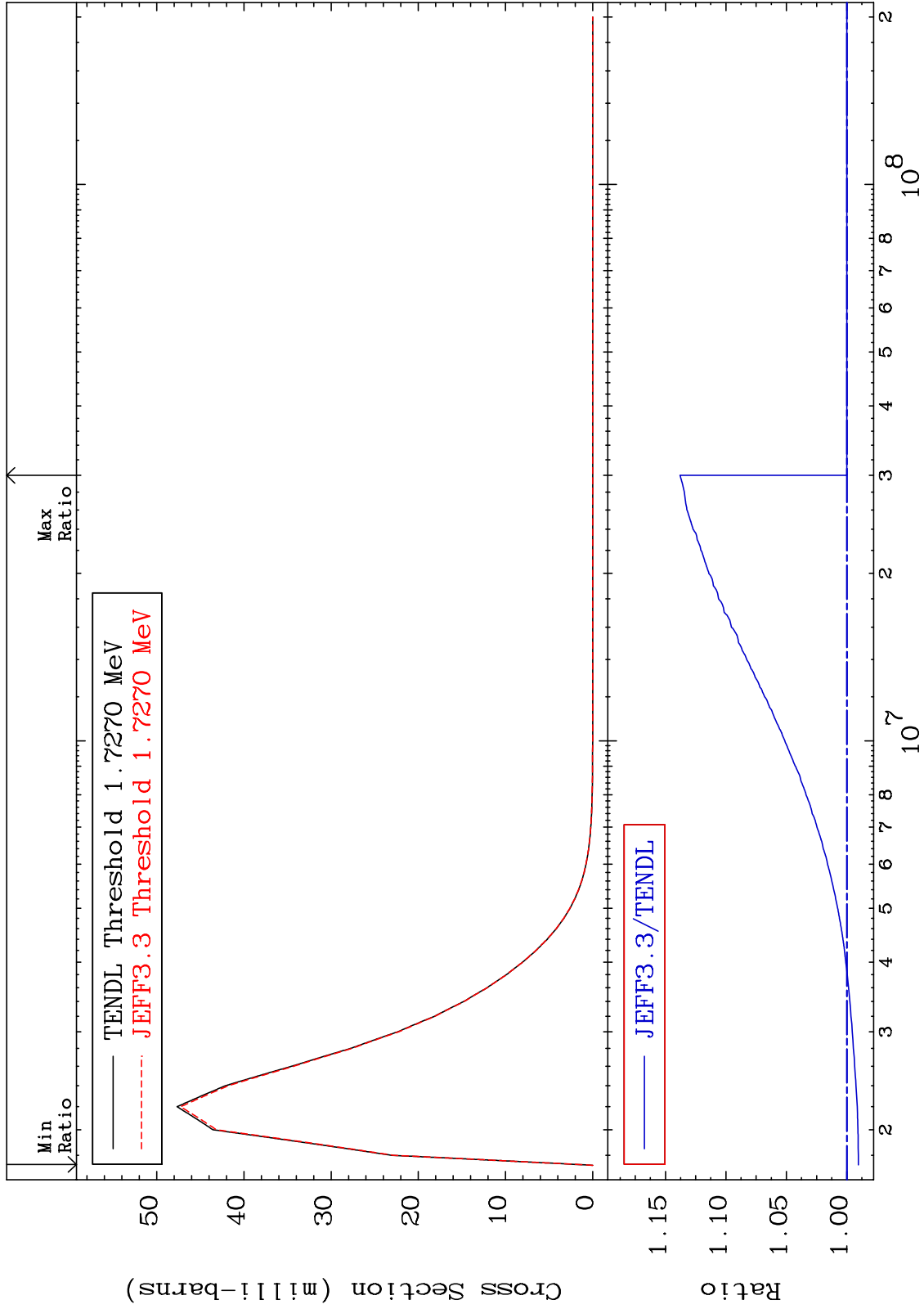
80-Hg-200
-17.28 To 0.522 %



MAT 8037

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

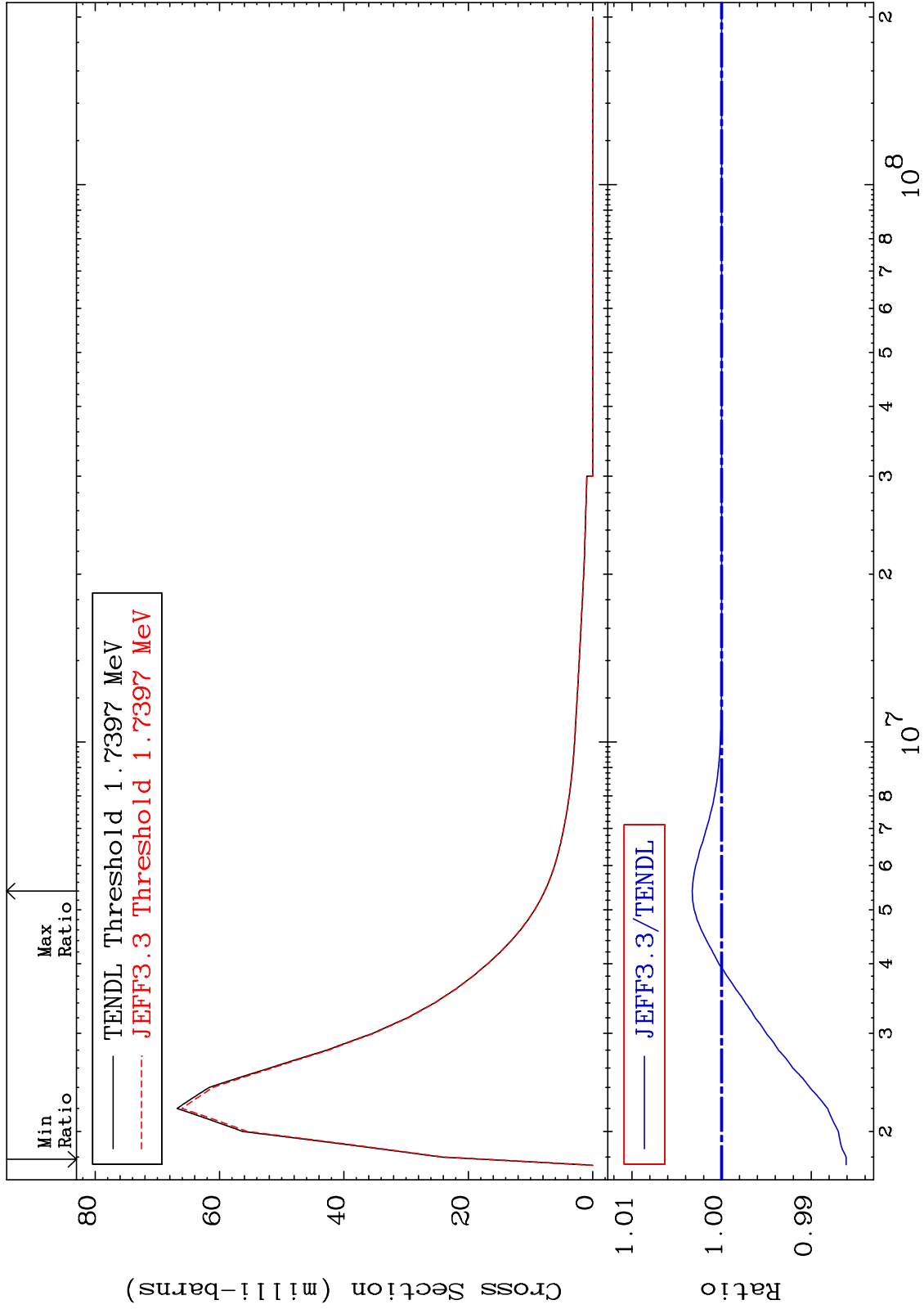
80-Hg-200
-0.958 To 13.80 %



MAT 8037

MT= 65 (n,n') Level
Cross Section

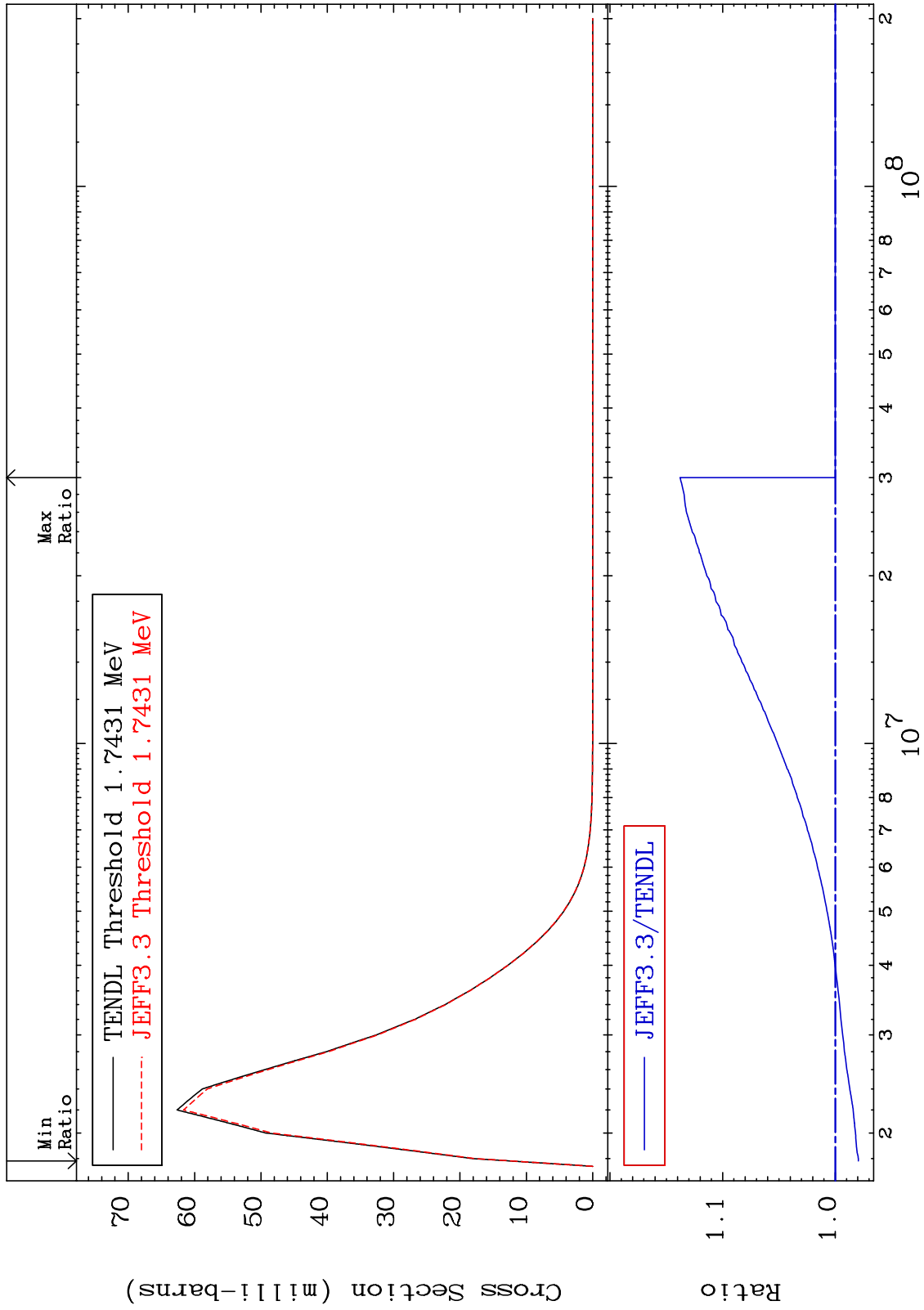
80-Hg-200
-1.389 To 0.327 %



MAT 8037

MT= 66 (n,n') Level
Cross Section

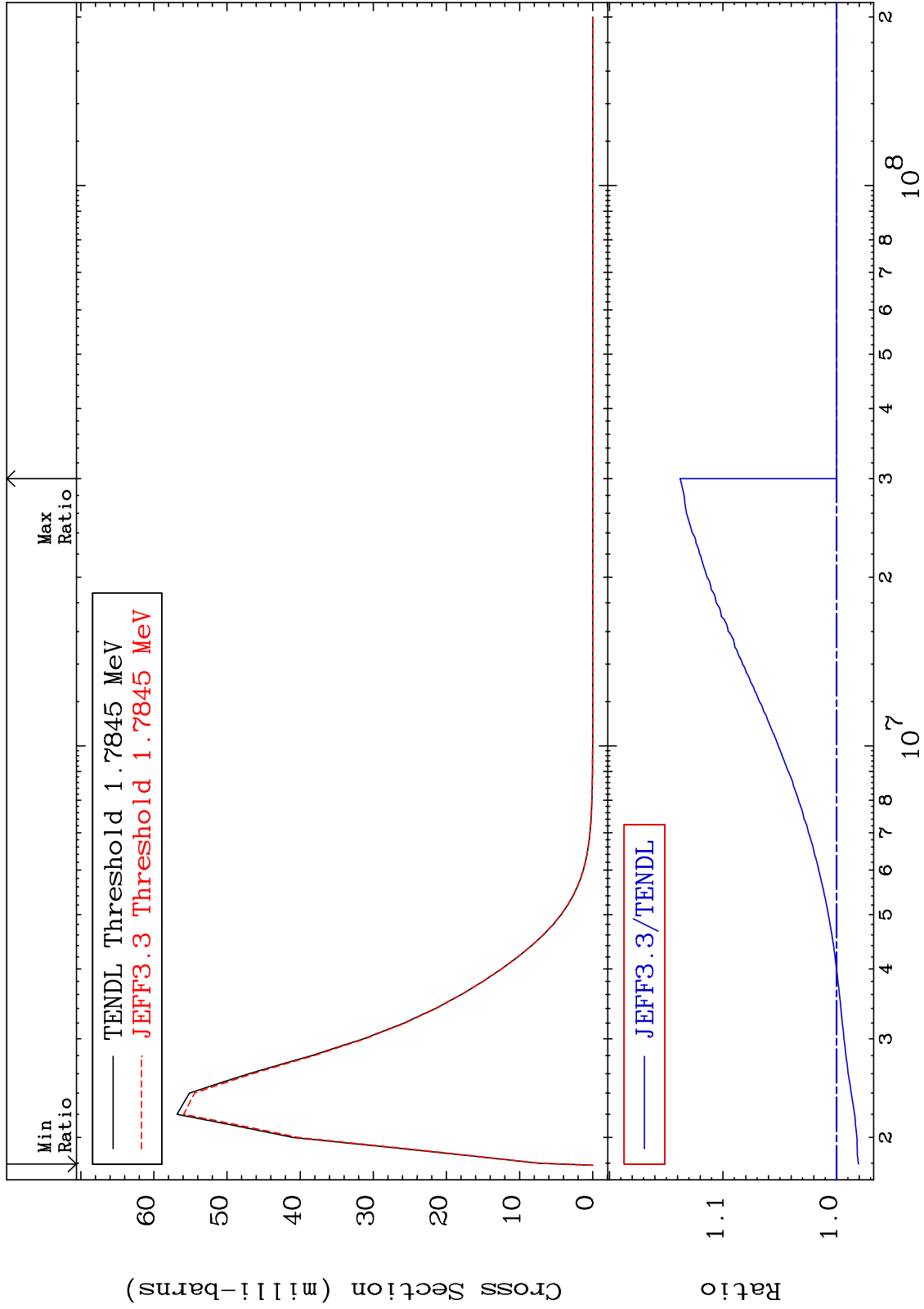
80-Hg-200
-2.056 To 13.79 %



MAT 8037

MT= 67 (n,n') Level
Cross Section

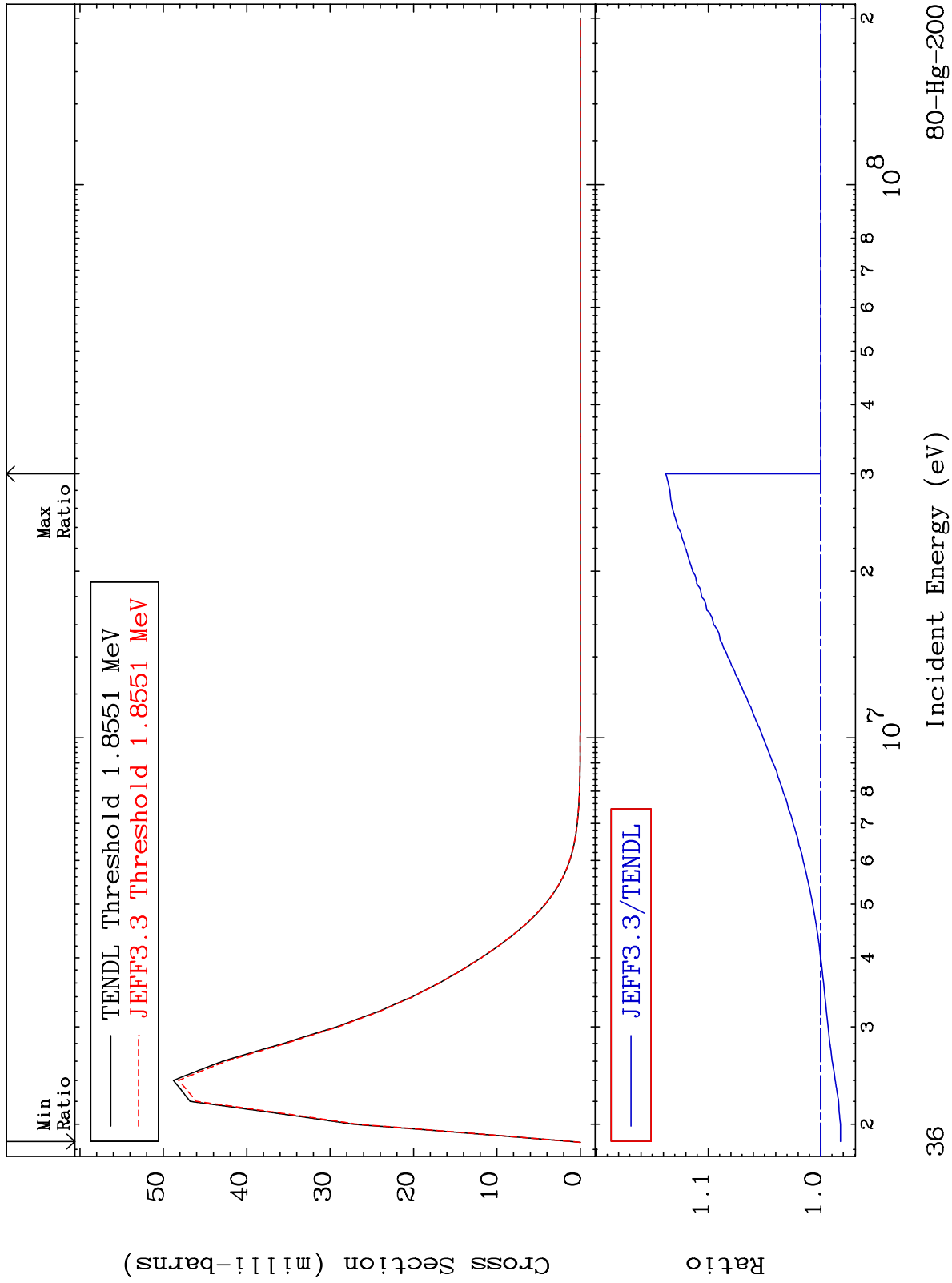
80-Hg-200
-1.925 To 13.79 %



MAT 8037

MT= 68 (n,n') Level
Cross Section

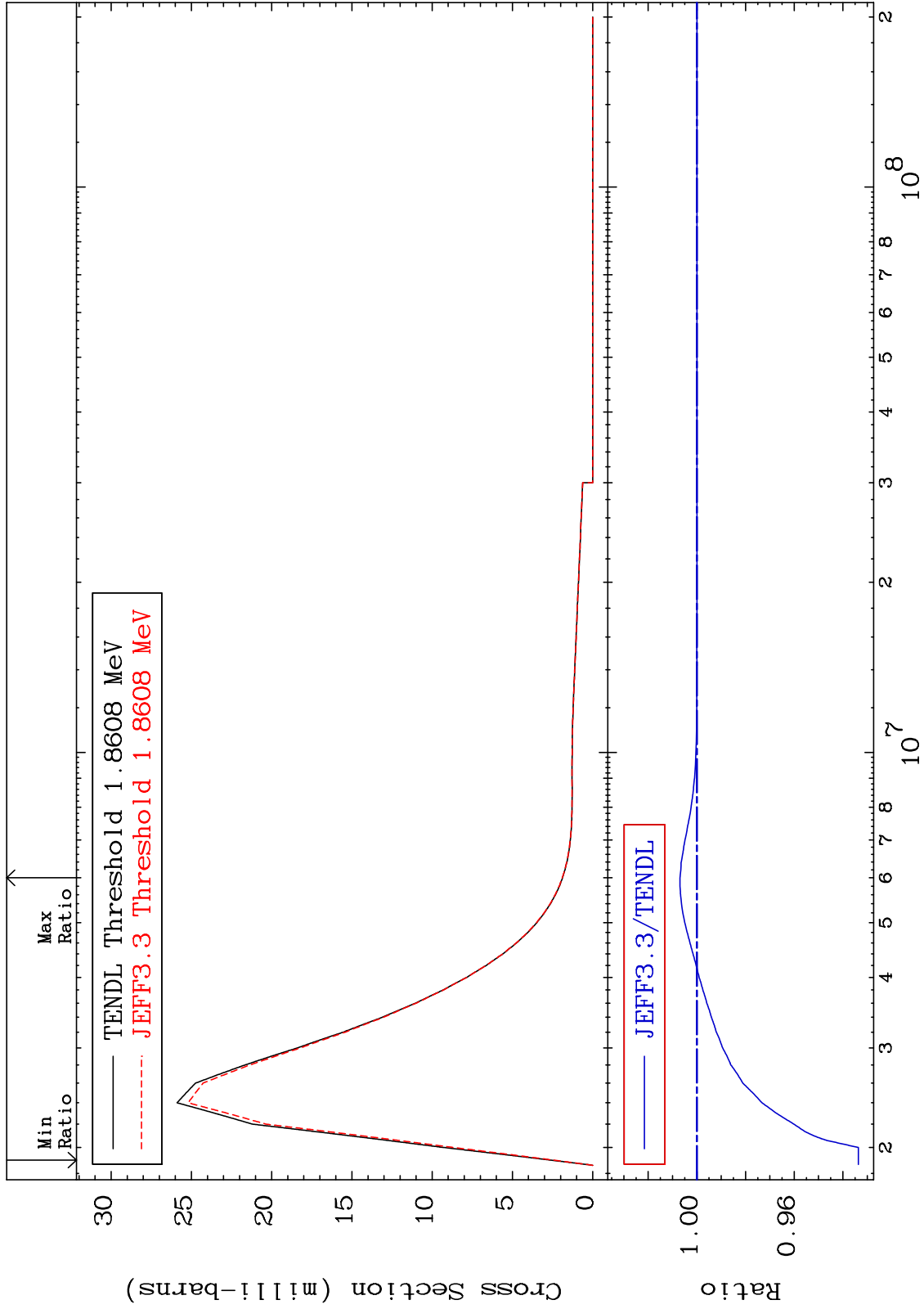
80-Hg-200
-1.762 To 13.79 %



MAT 8037

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

80-Hg-200
-6.637 To 0.692 %



37

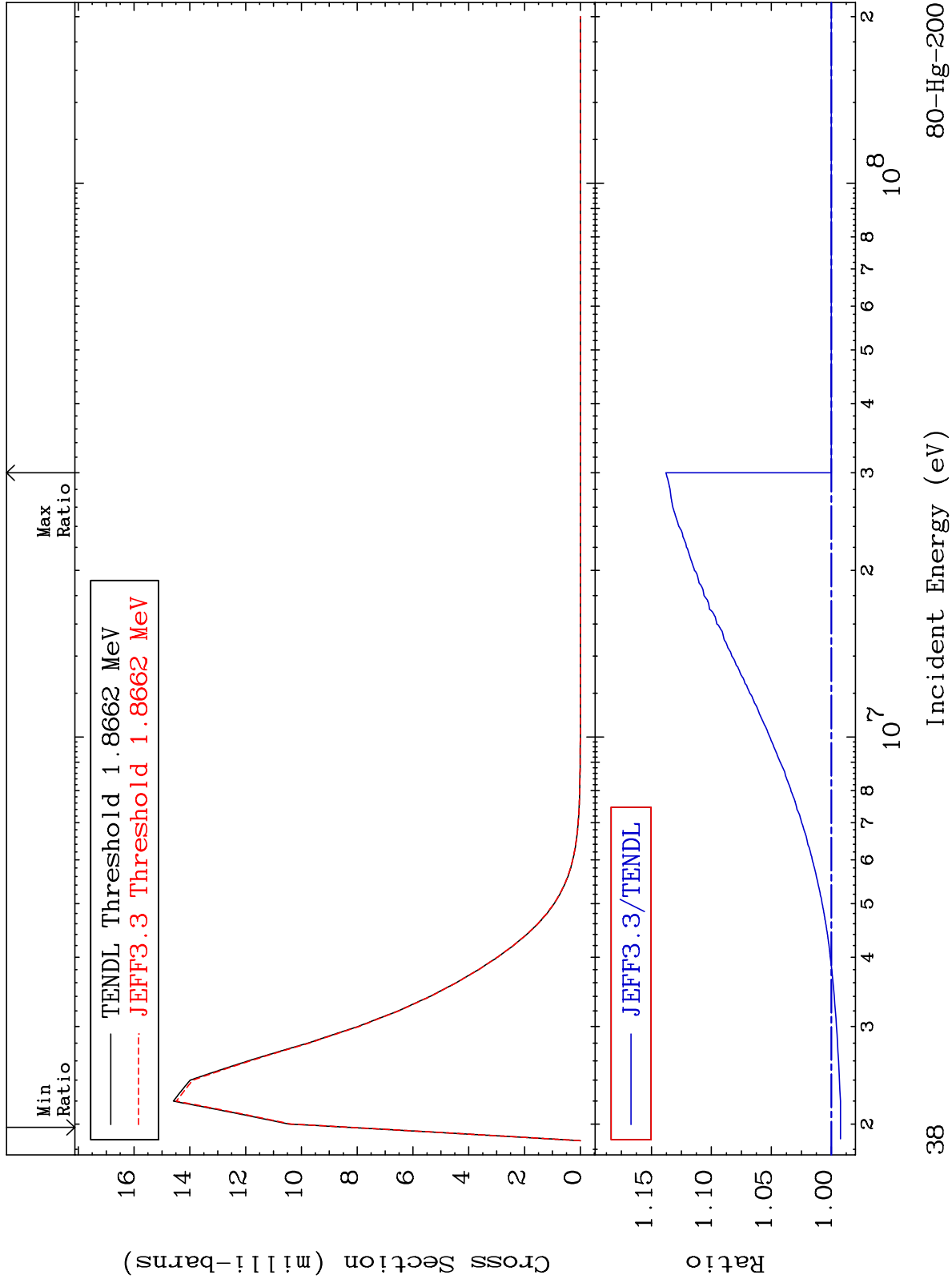
Incident Energy (eV)

80-Hg-200

MAT 8037

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

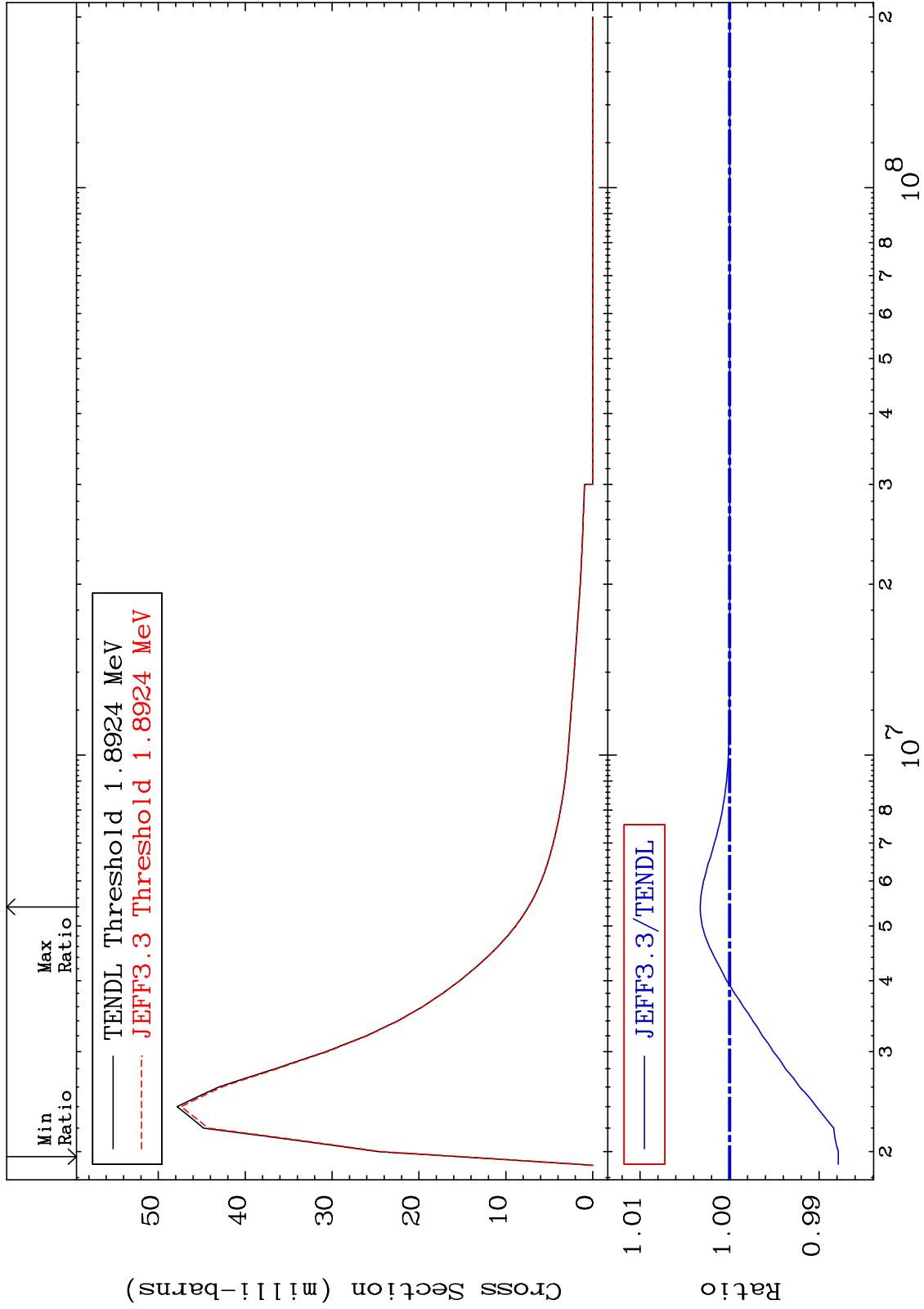
80-Hg-200
-0.765 To 13.79 %



MAT 8037

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

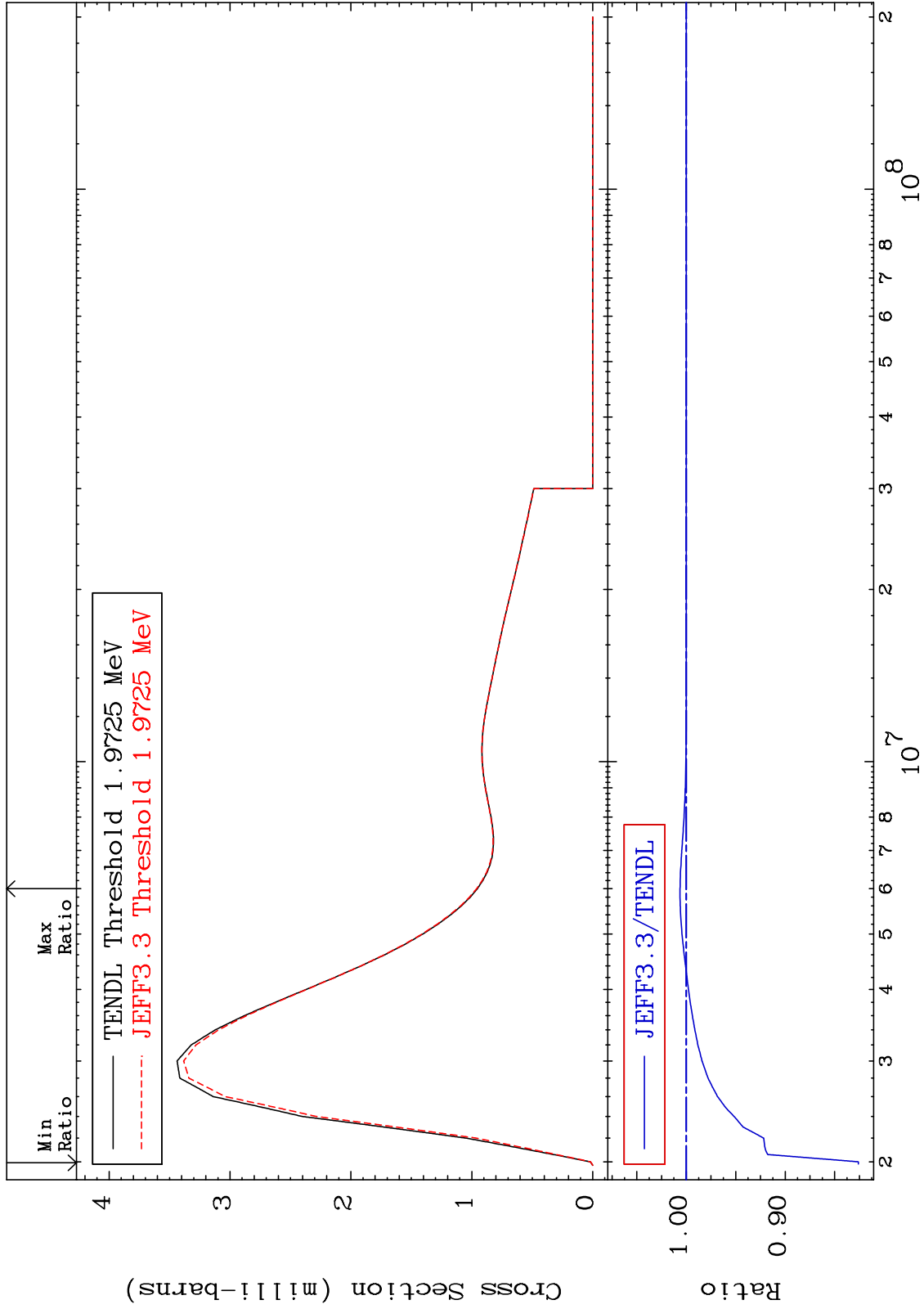
80-Hg-200
-1.213 To 0.328 %



MAT 8037

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

80-Hg-200
-17.40 To 0.633 %



40

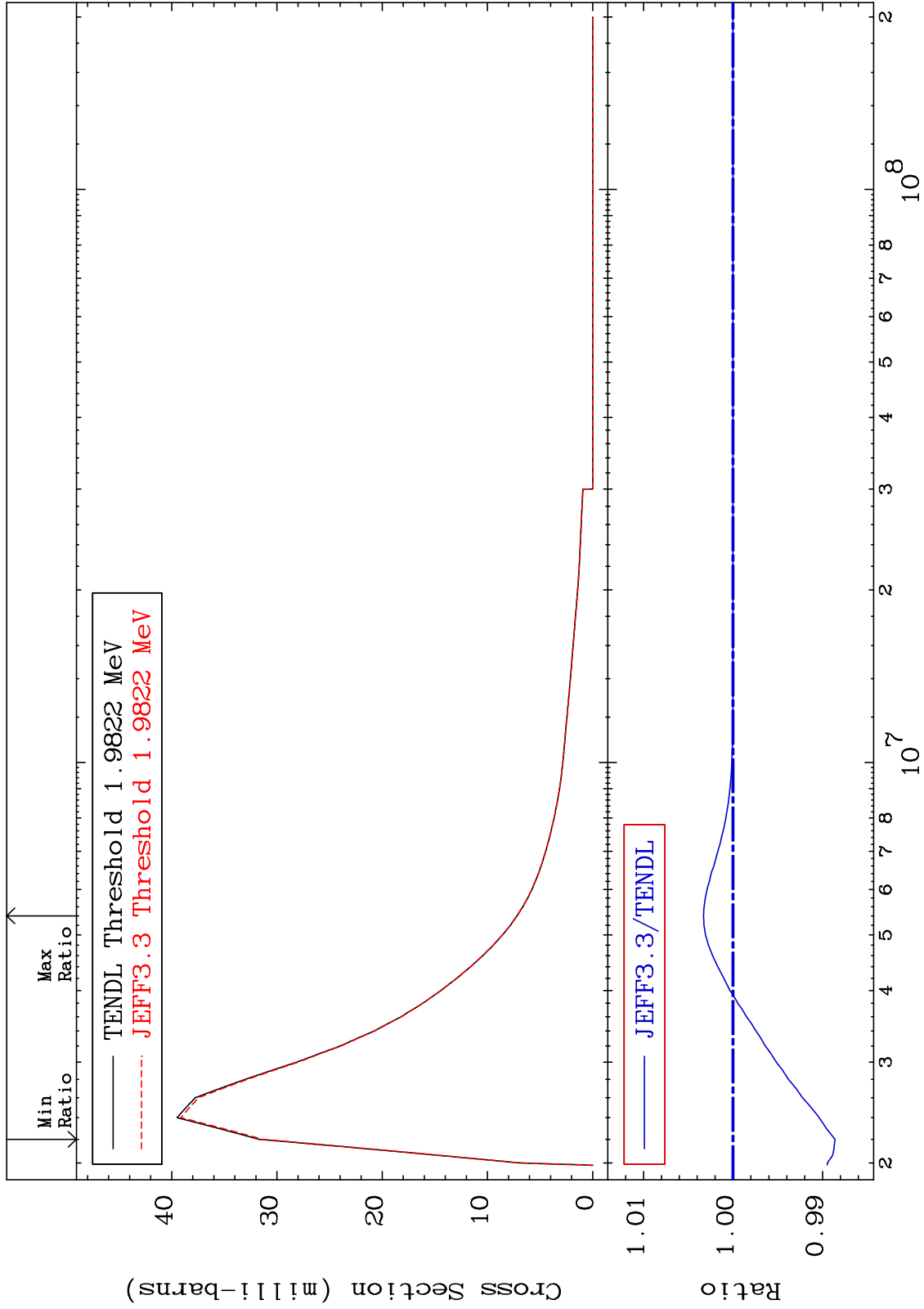
Incident Energy (eV)

80-Hg-200

MAT 8037

MT= 73 (n,n') Level
Cross Section

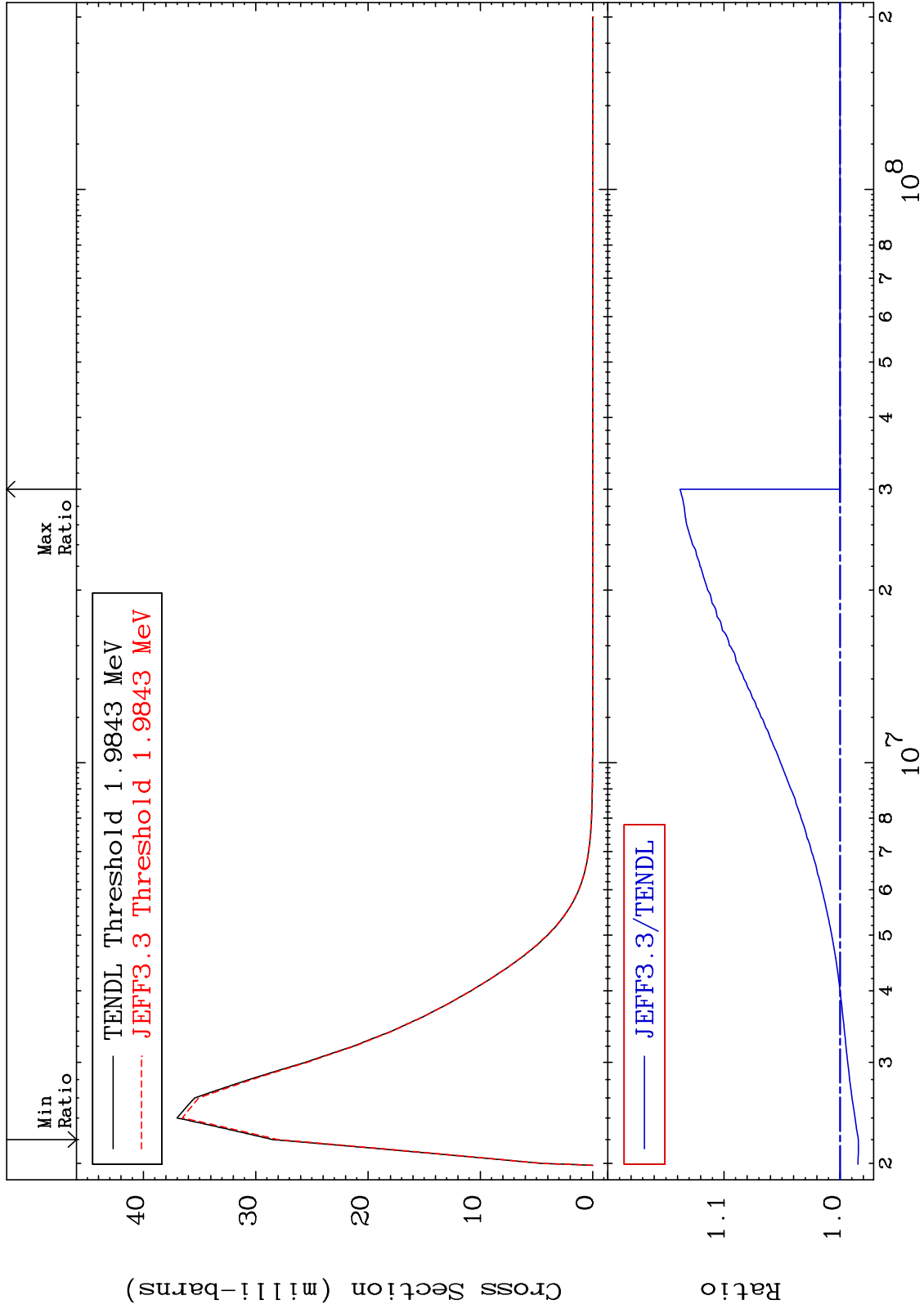
80-Hg-200
-1.138 To 0.329 %



MAT 8037

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

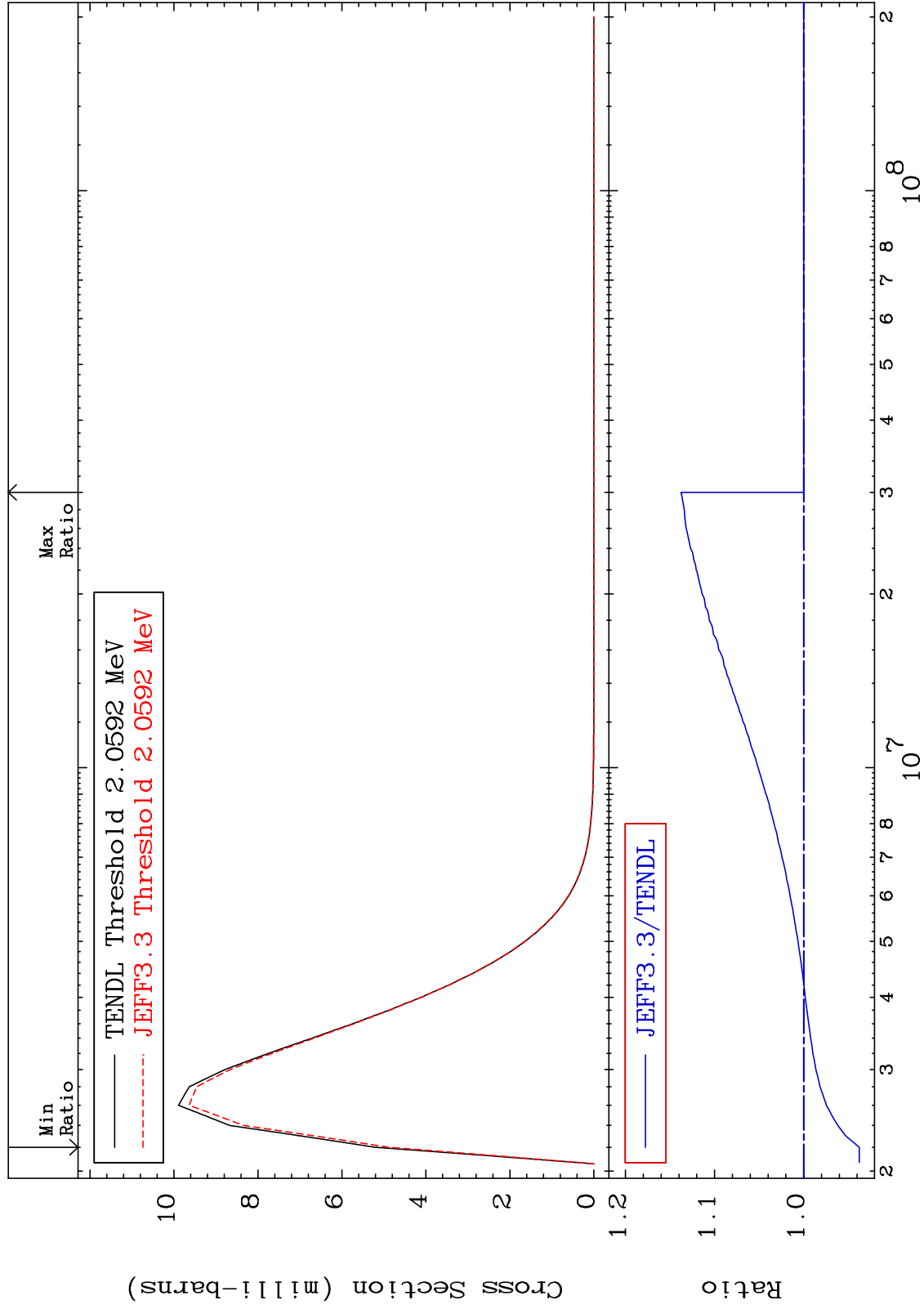
80-Hg-200
-1.575 To 13.79 %



MAT 8037

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

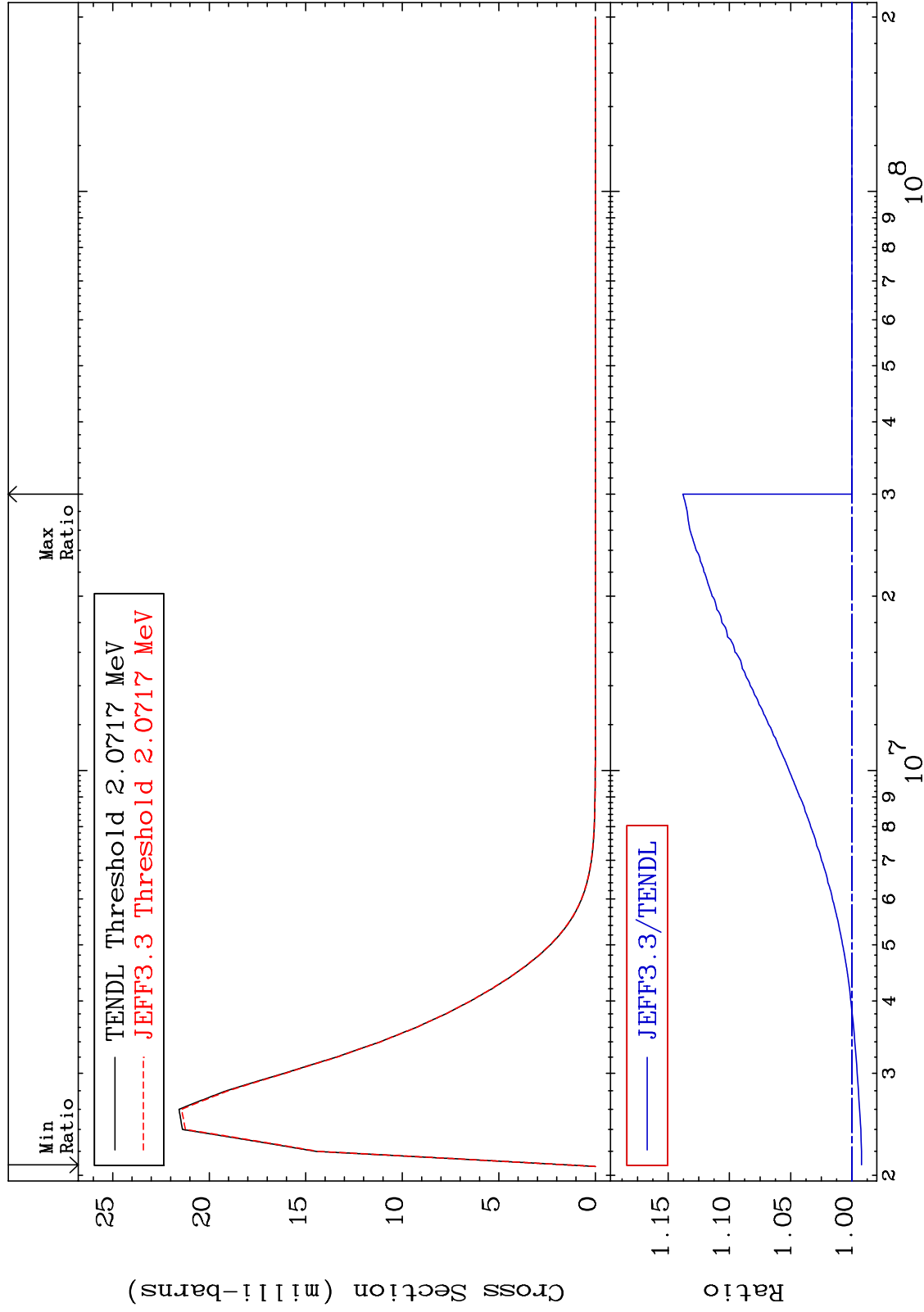
80-Hg-200
-6.238 To 13.76 %



MAT 8037

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

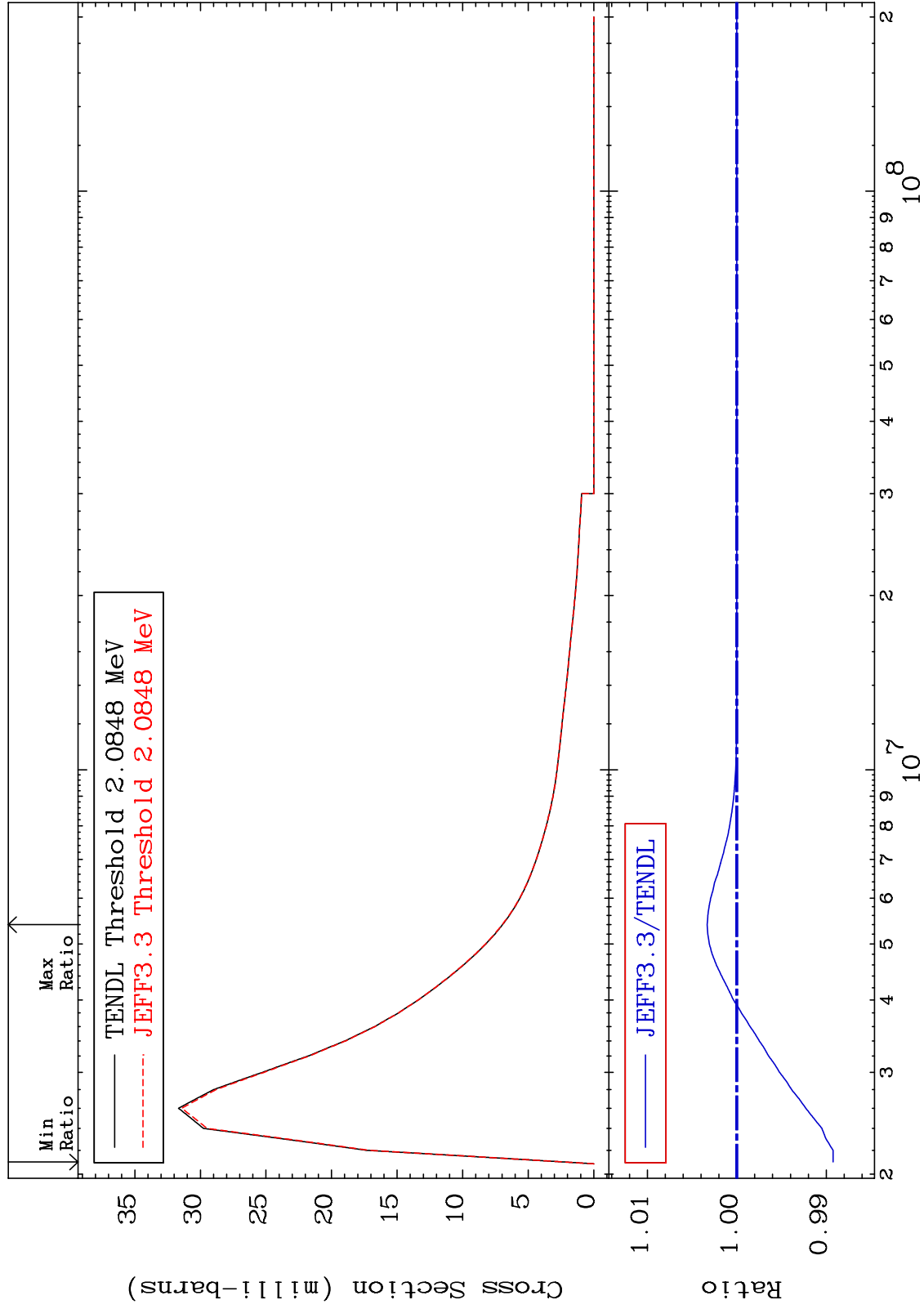
80-Hg-200
-0.782 To 13.80 %



MAT 8037

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

80-Hg-200
-1.076 To 0.331 %



45

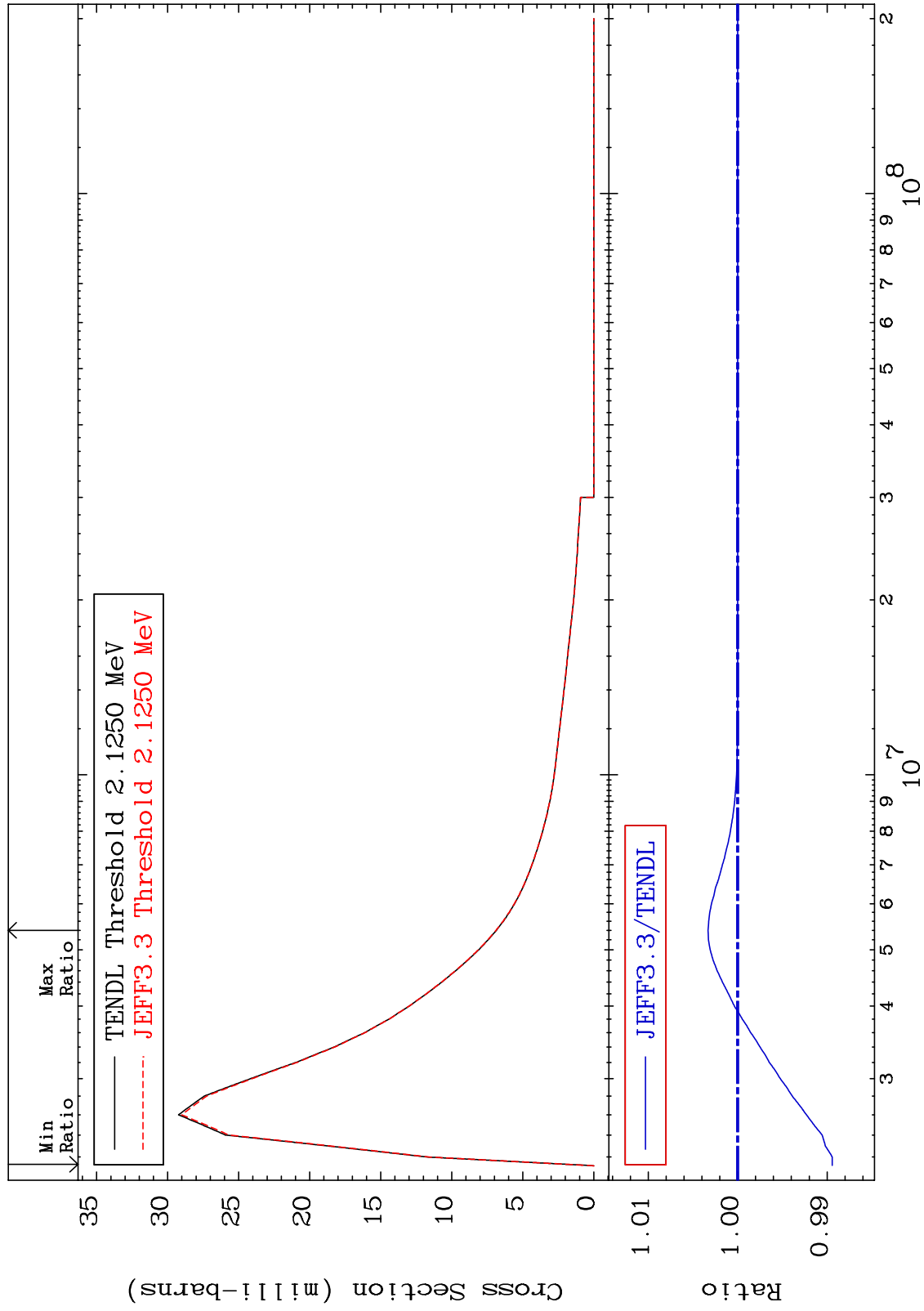
Incident Energy (eV)

80-Hg-200

MAT 8037

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

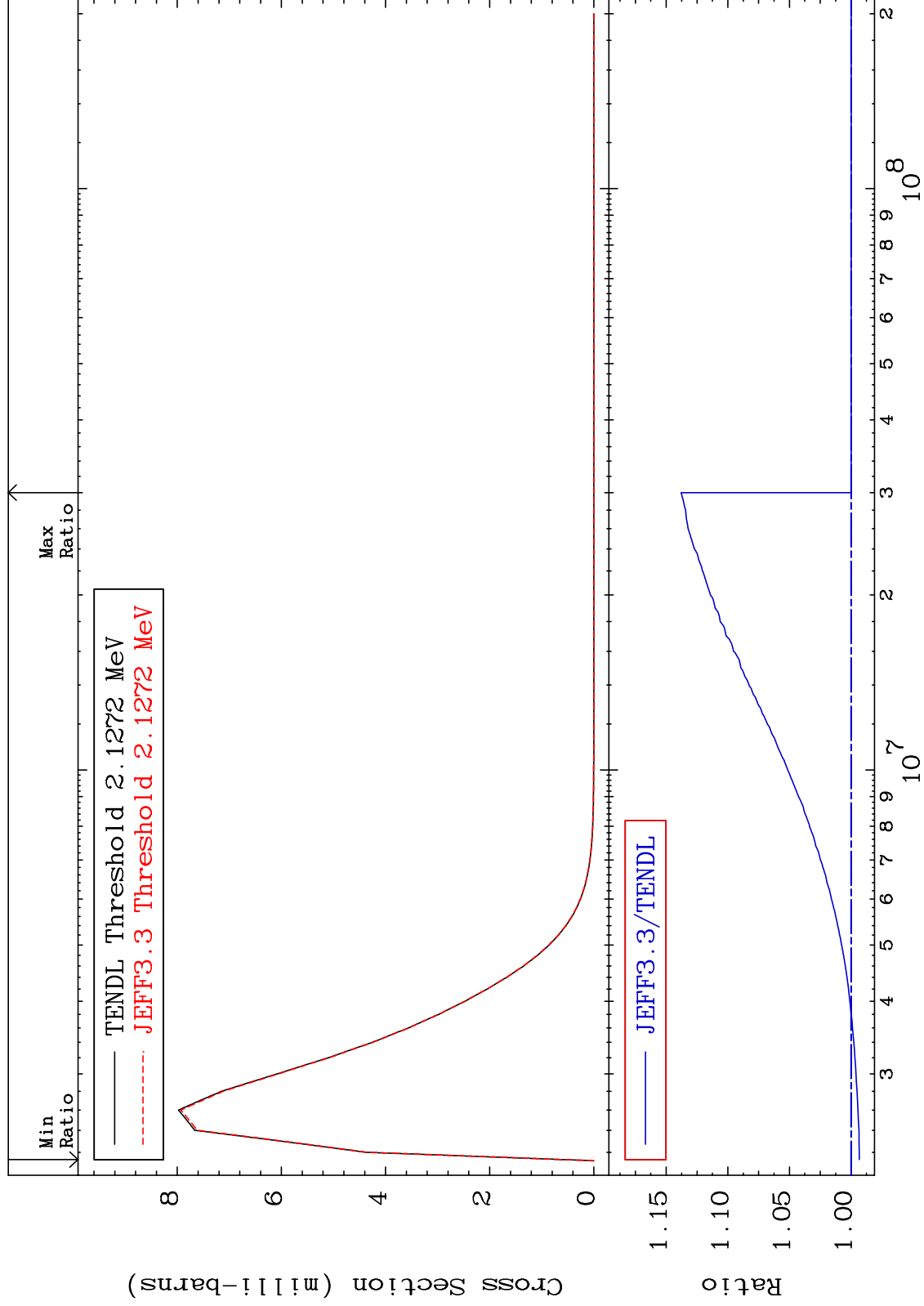
80-Hg-200
-1.058 To 0.331 %



MAT 8037

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

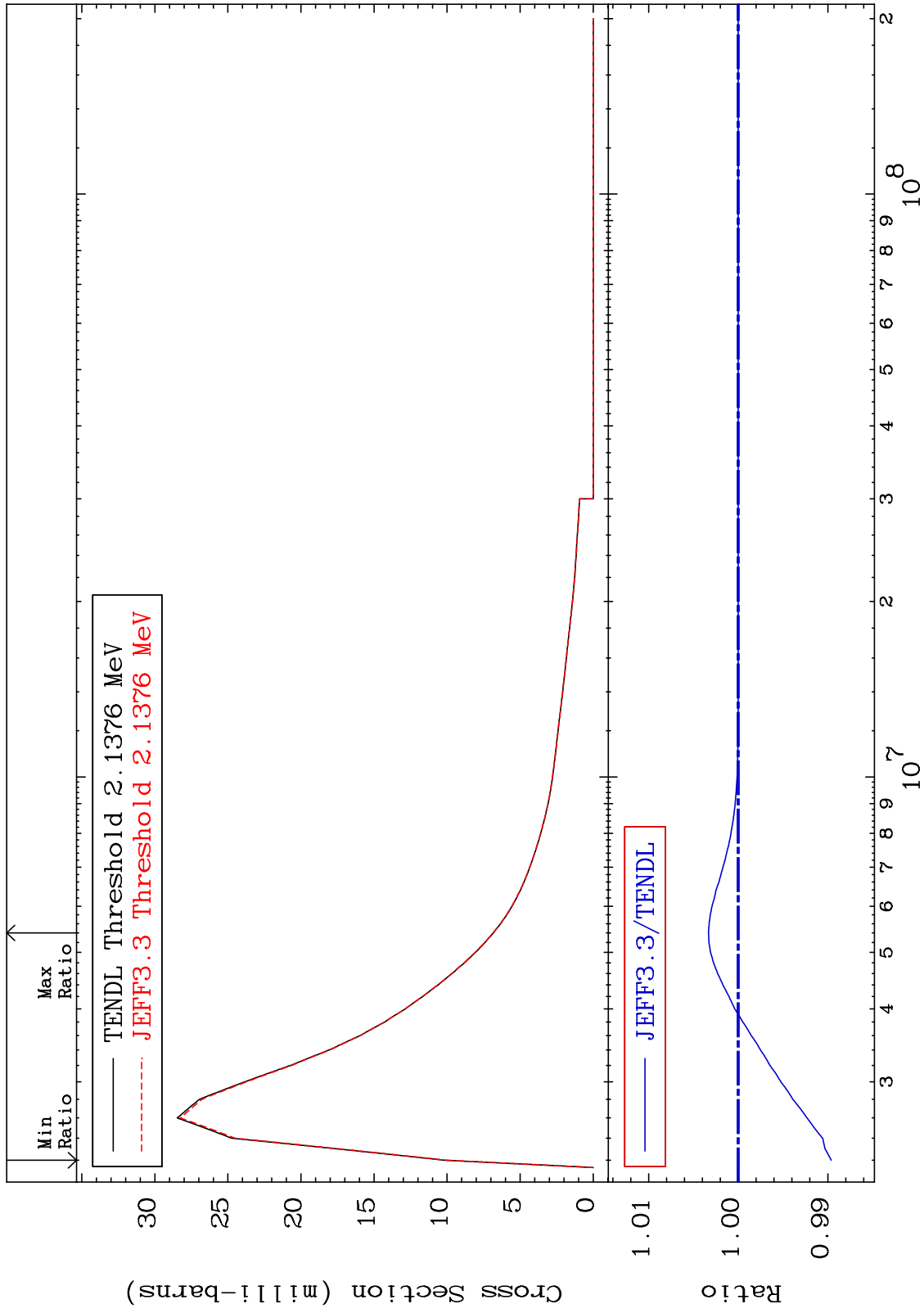
80-Hg-200
-0.665 To 13.79 %



MAT 8037

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

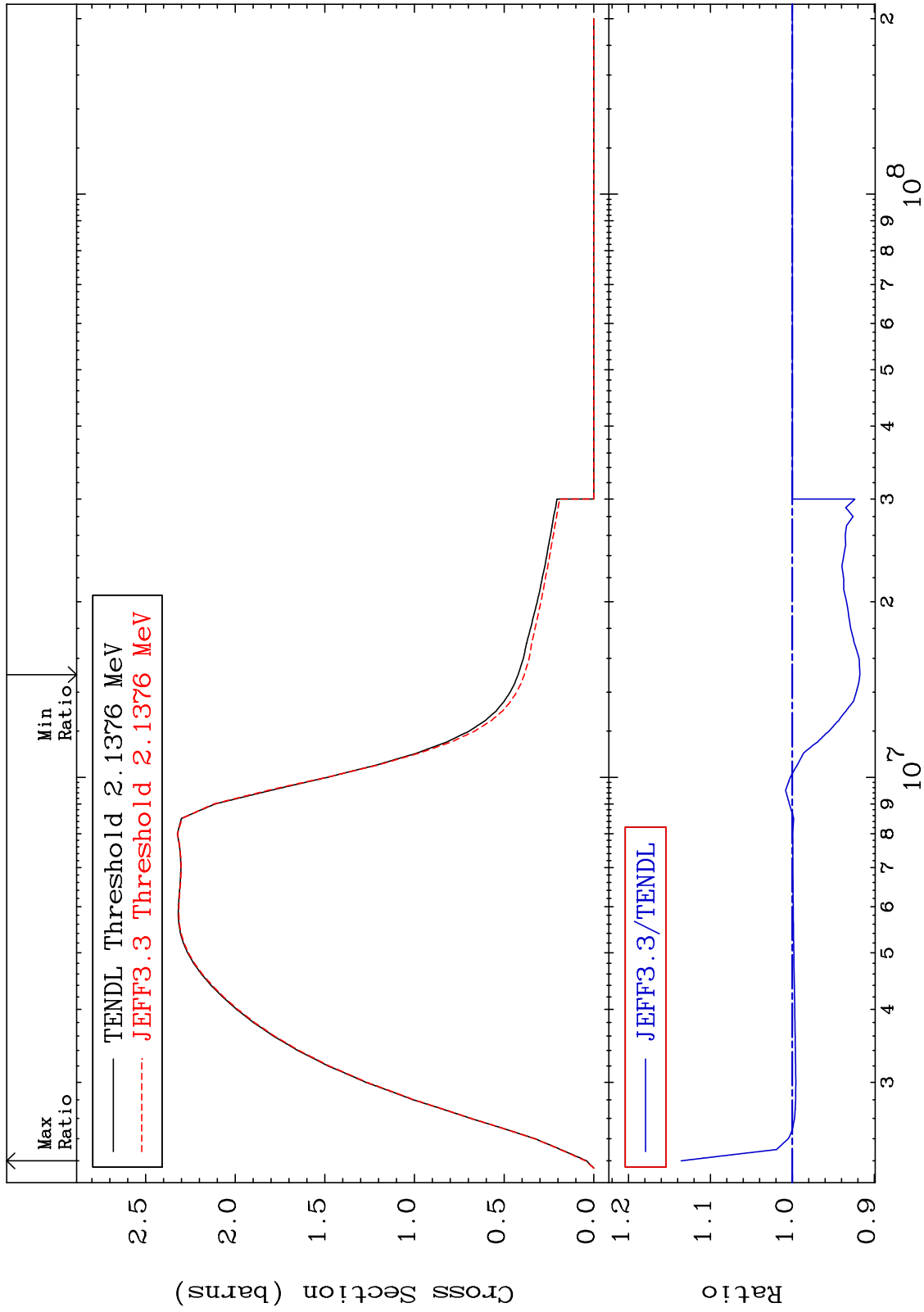
80-Hg-200
-1.039 To 0.331 %



MAT 8037

(n, n') Continuum
Cross Section

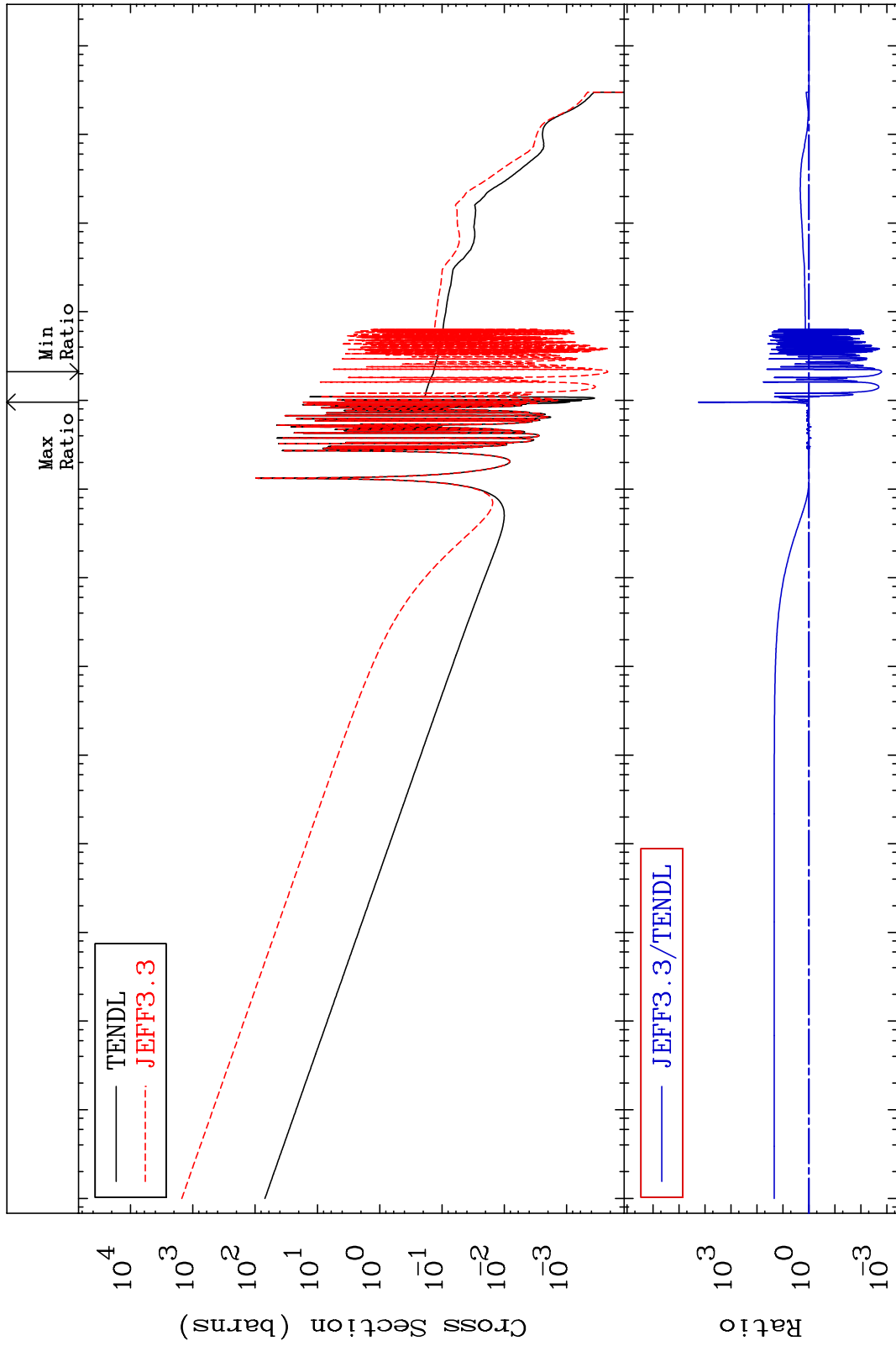
80-Hg-200
-8.254 To 13.57 %



MAT 8037

(n, γ)
Cross Section

80-Hg-200
-99.84 To 9999. %



50

Incident Energy (eV)

80-Hg-200

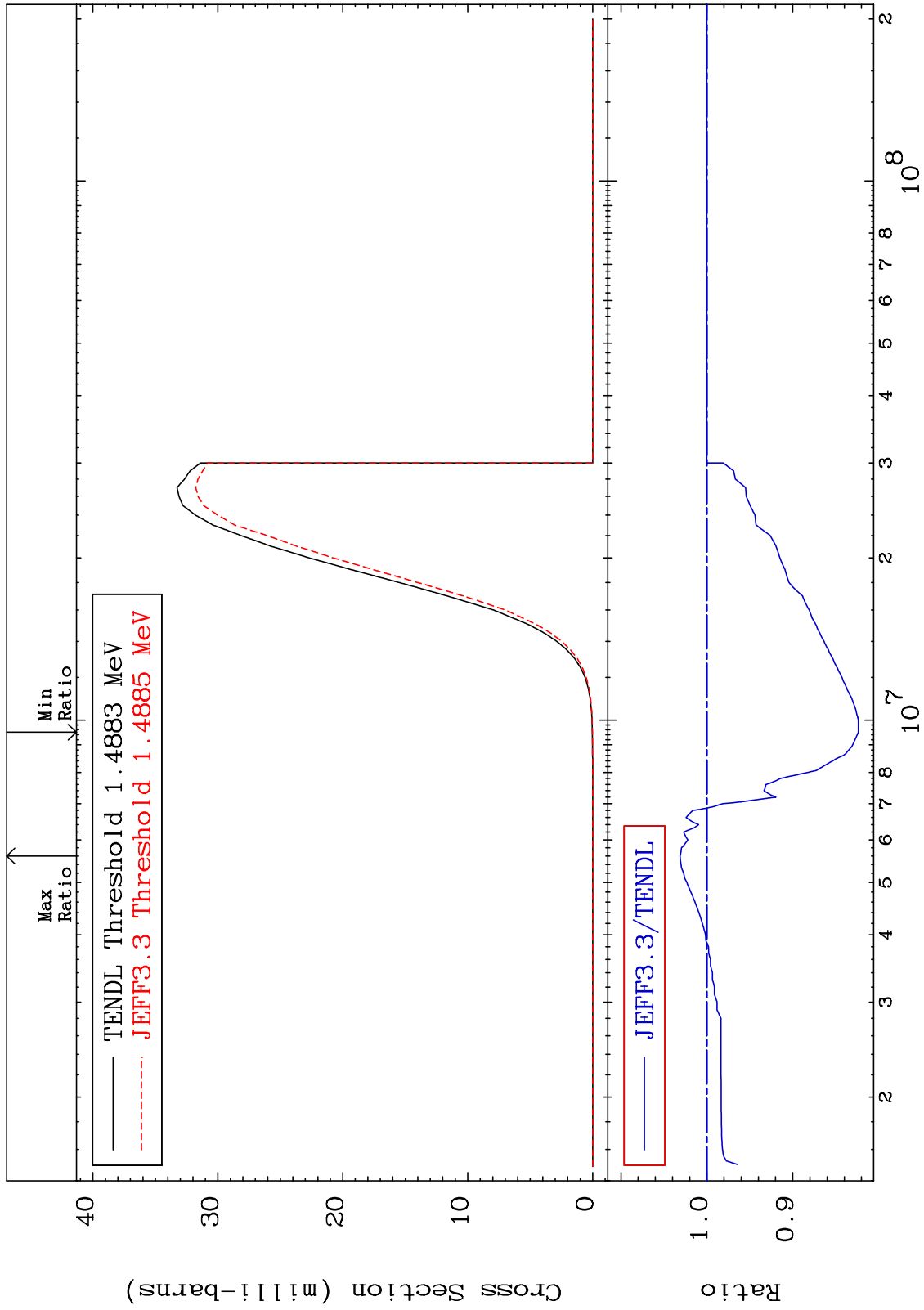
MAT 8037

(n, p)

80-Hg-200

Cross Section

-17.64 To 3.127 %



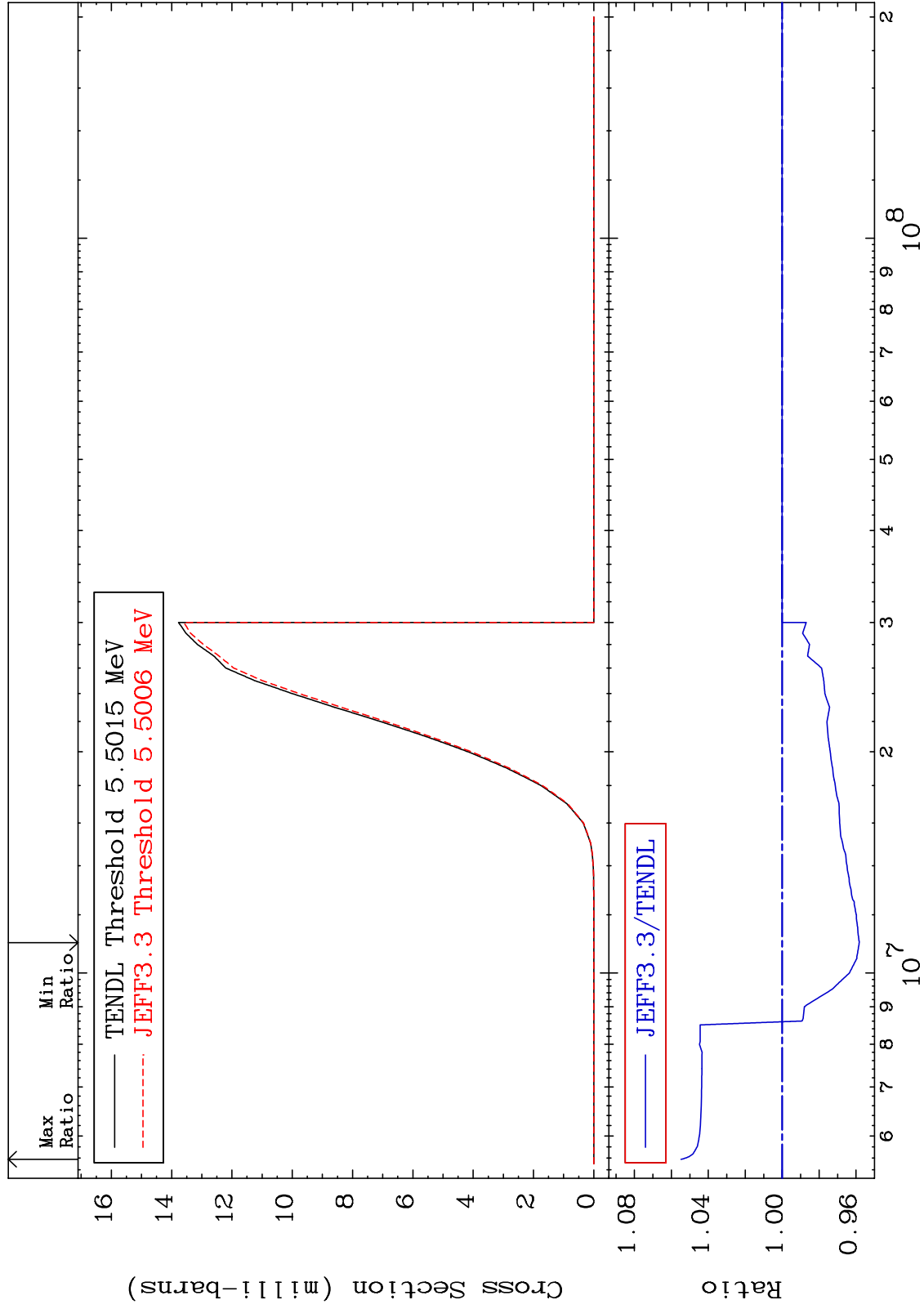
MAT 8037

(n, d)

80-Hg-200

Cross Section

-4.174 To 5.476 %



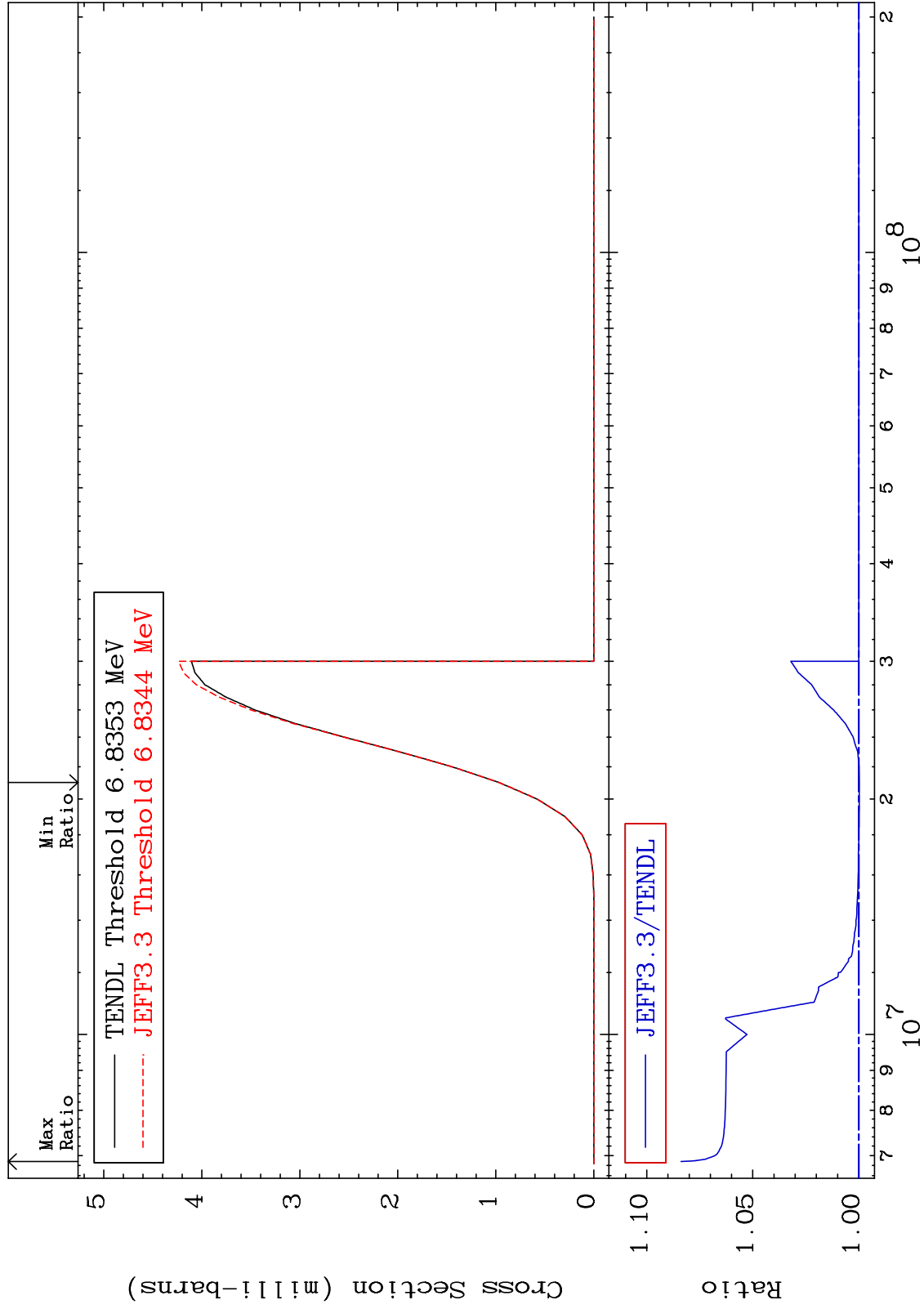
MAT 8037

(n, t)

80-Hg-200

Cross Section

-0.023 To 8.383 %



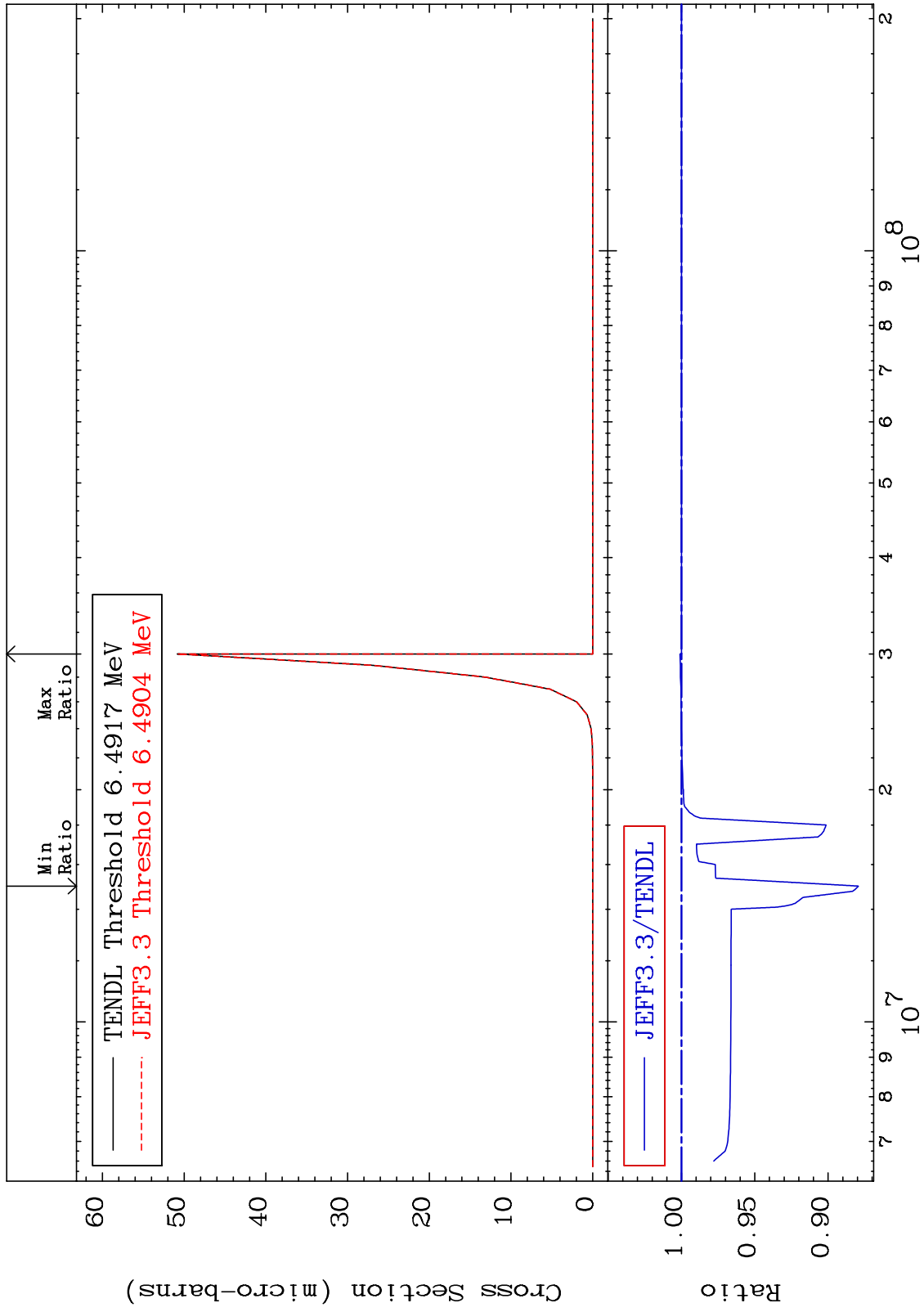
MAT 8037

(n, He-3)

80-Hg-200

Cross Section

-12.07 To 0.100 %



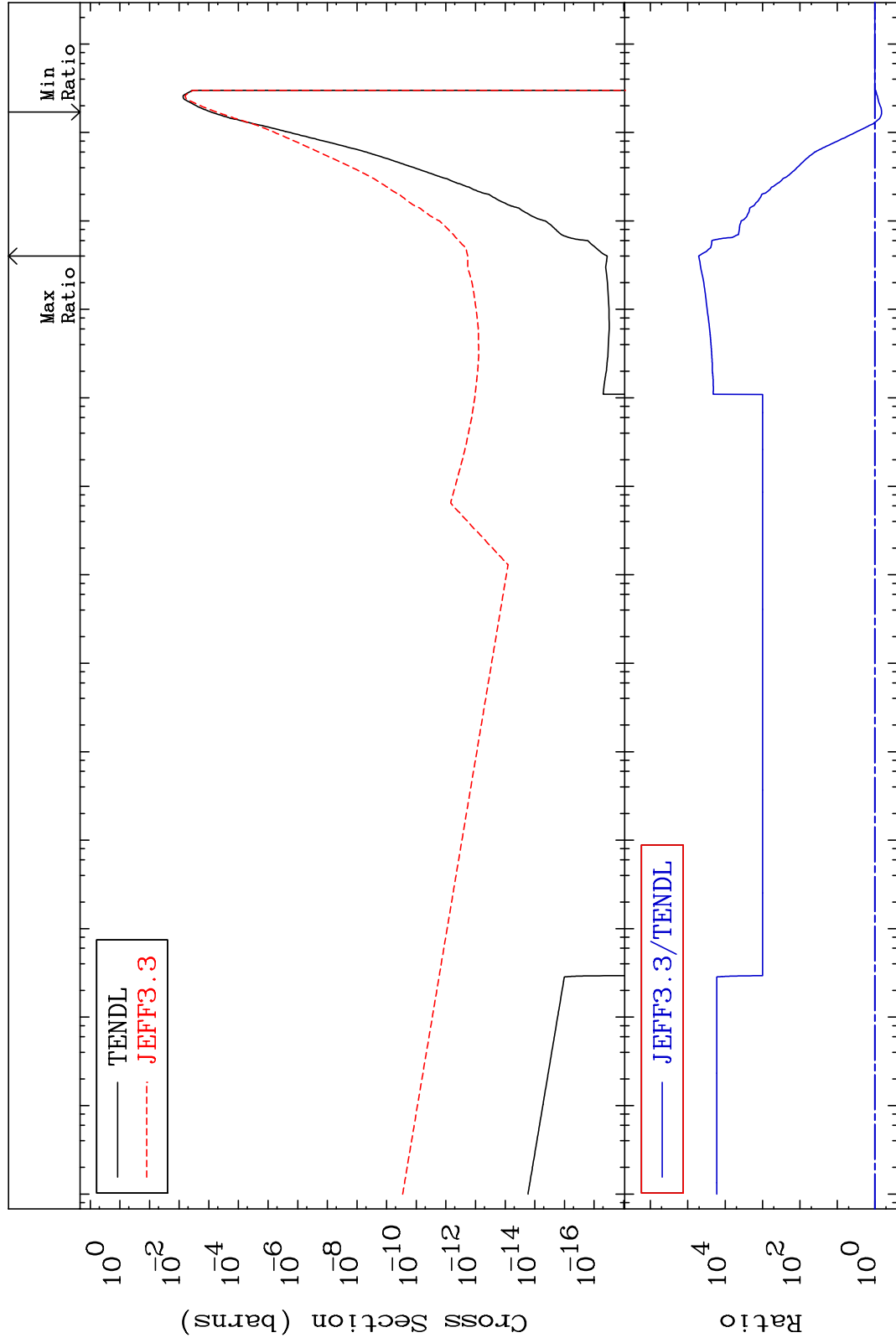
MAT 8037

(n, α)

80-Hg-200

Cross Section

-34.29 To 9999. %



Incident Energy (eV)

80-Hg-200

55

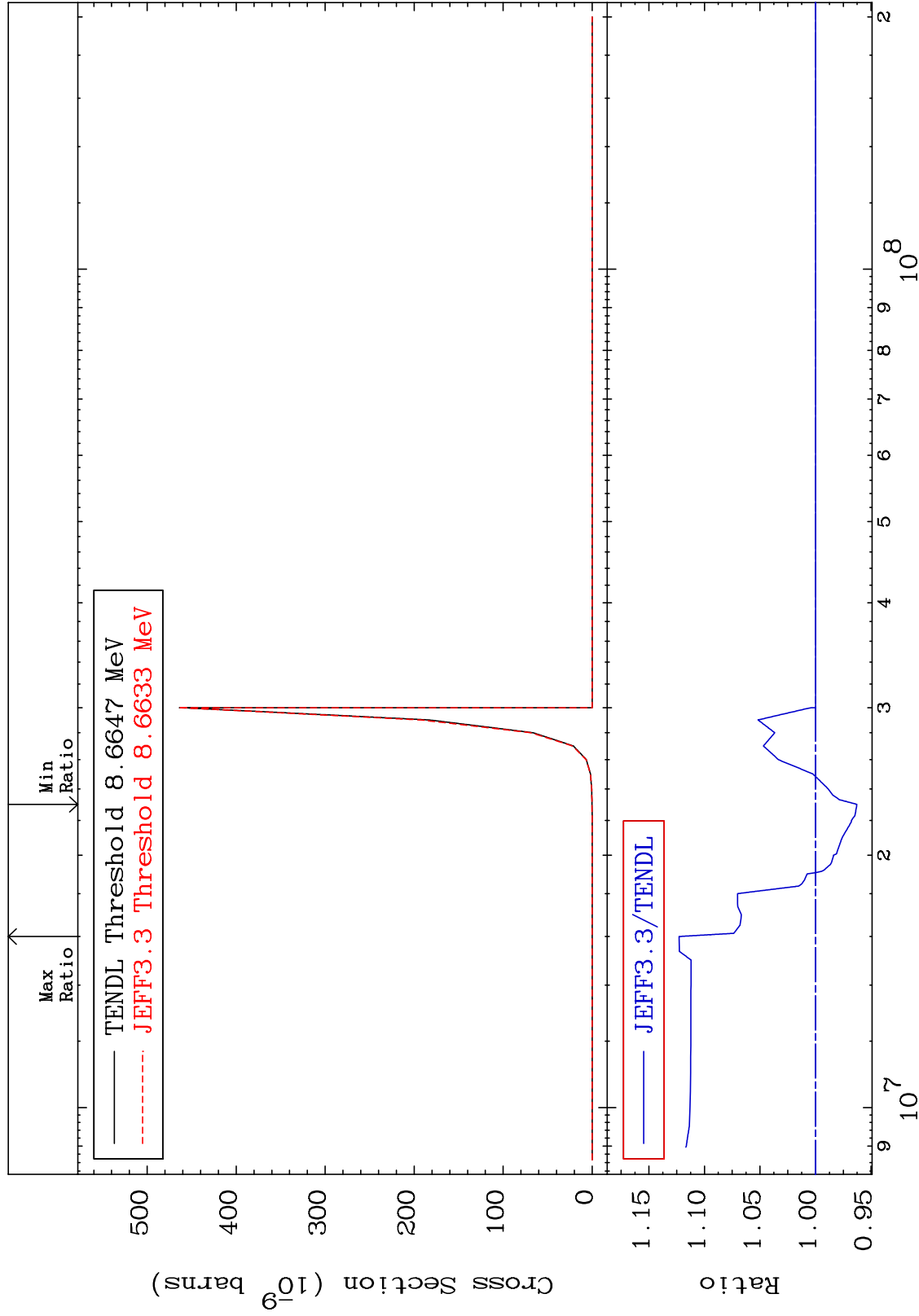
MAT 8037

(n,2p)

80-Hg-200

Cross Section

-3.727 To 12.28 %



56

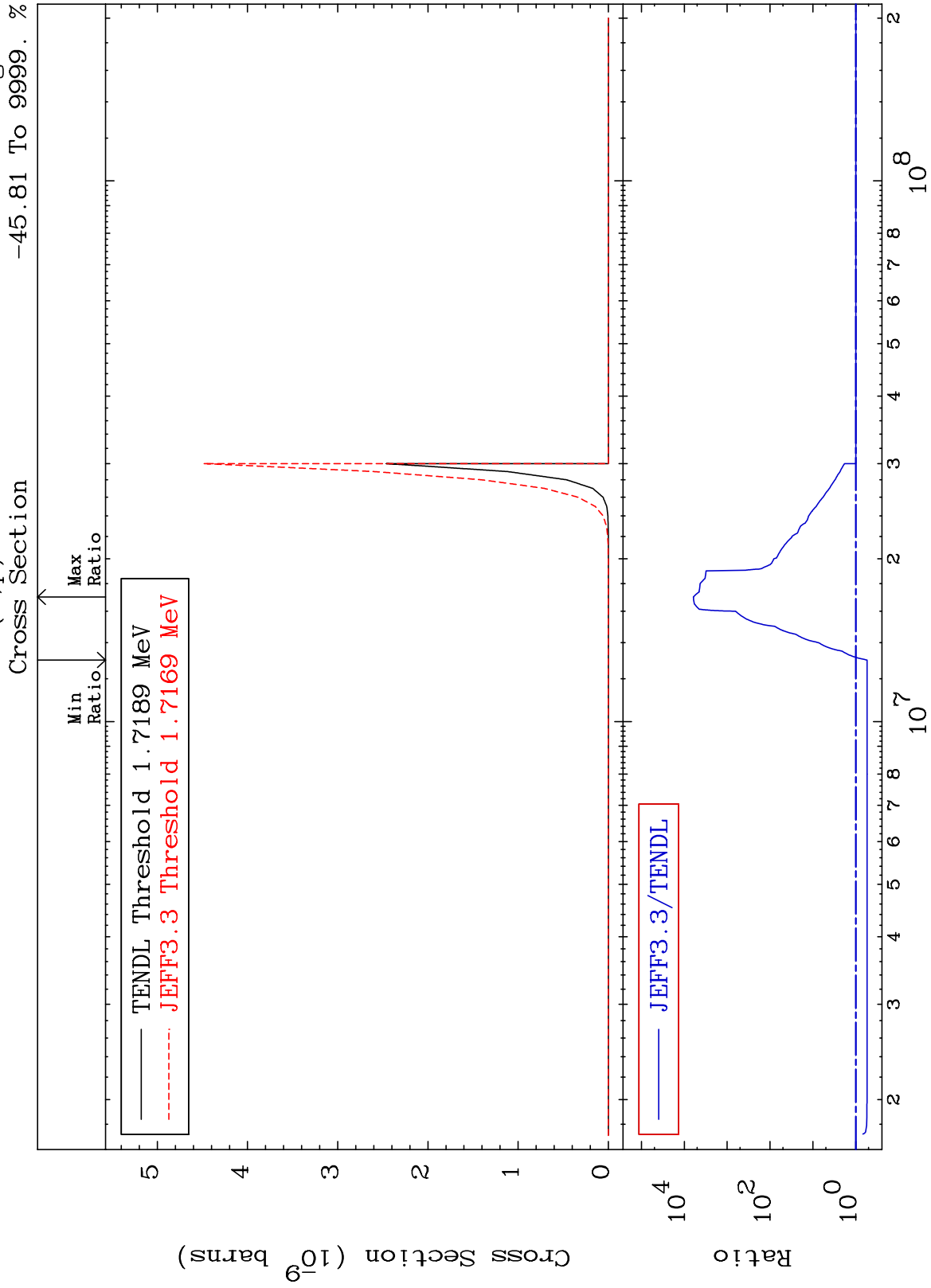
Incident Energy (eV)

80-Hg-200

MAT 8037

(n,p) α

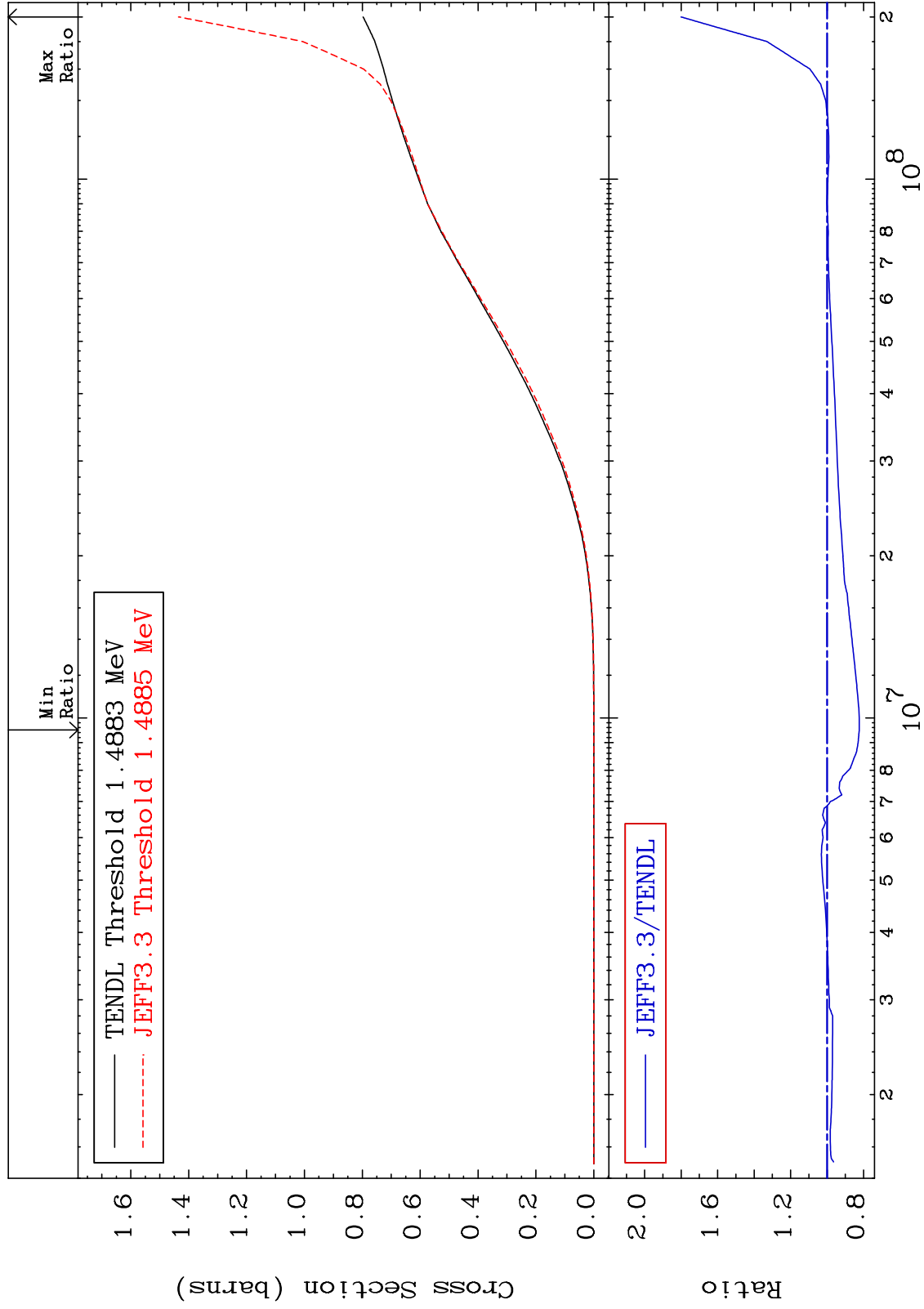
80-Hg-200
-45.81 To 9999. %



MAT 8037

Hydrogen Production
Cross Section

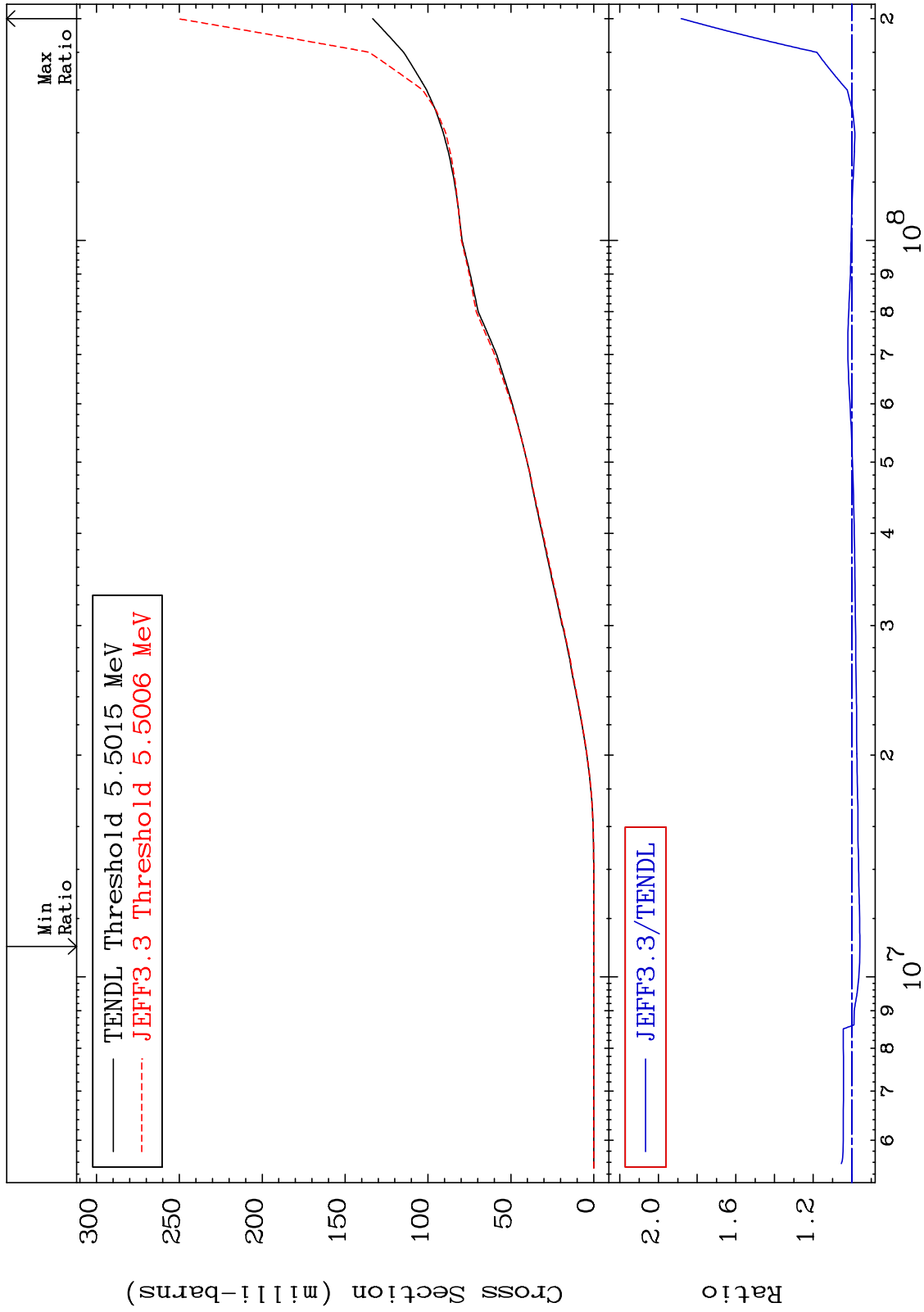
80-Hg-200
-17.64 To 80.05 %



MAT 8037

Deuterium Production
Cross Section

80-Hg-200
-4.174 To 88.25 %



59

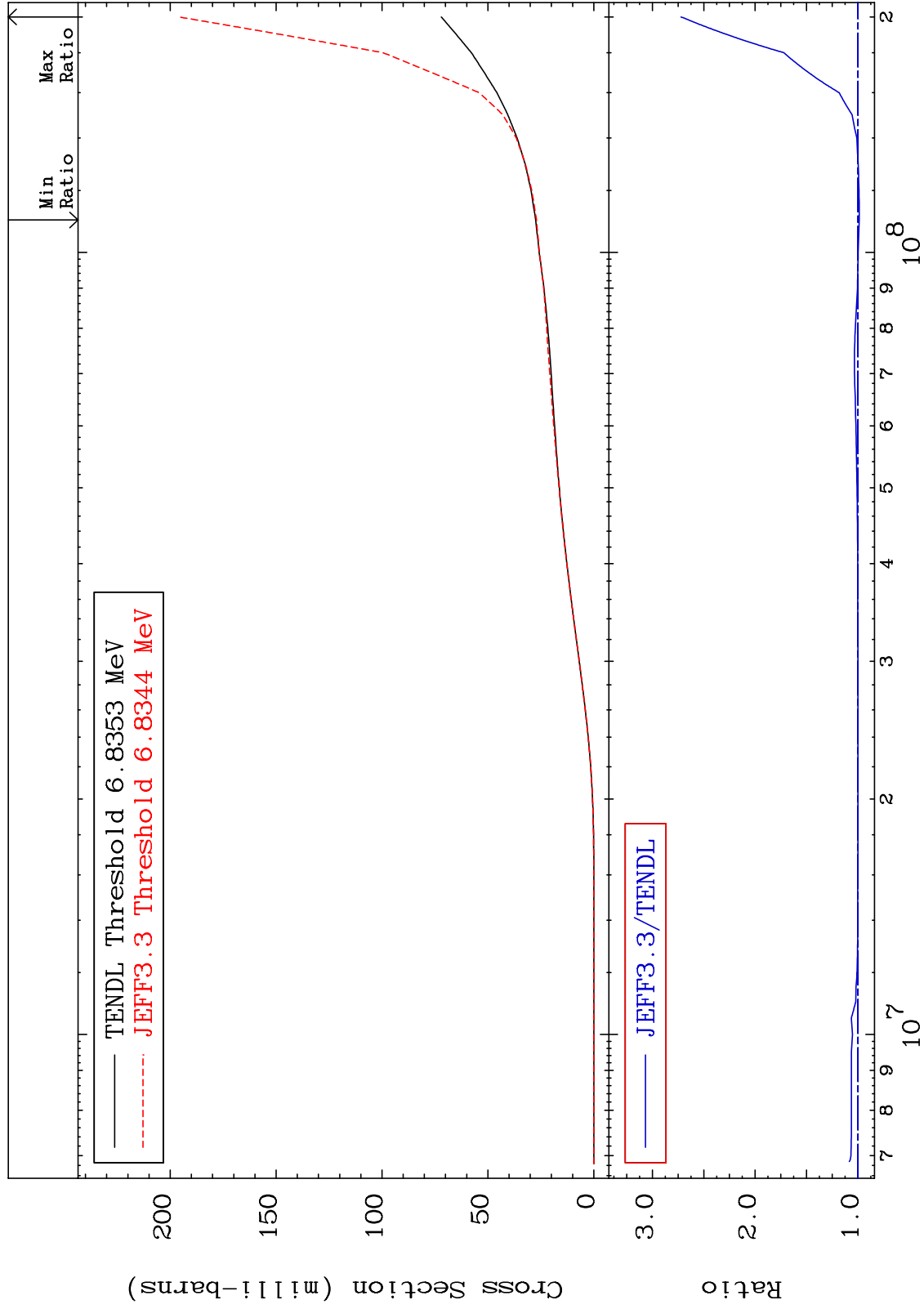
Incident Energy (eV)

80-Hg-200

MAT 8037

Tritium Production
Cross Section

80-Hg-200
-1.399 To 172.1 %



60

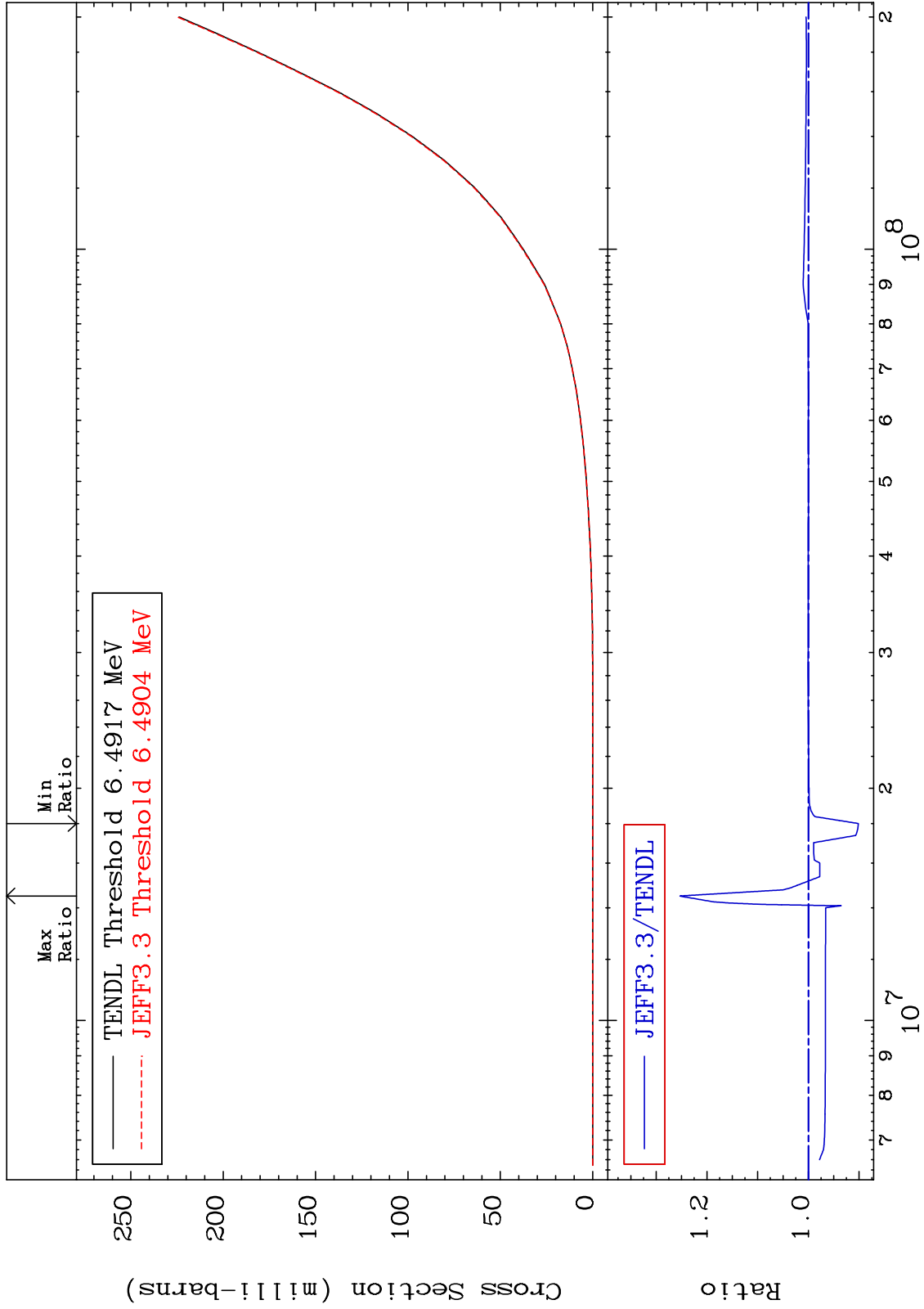
Incident Energy (eV)

80-Hg-200

MAT 8037

He-3 Production
Cross Section

80-Hg-200
-9.861 To 25.30 %



61

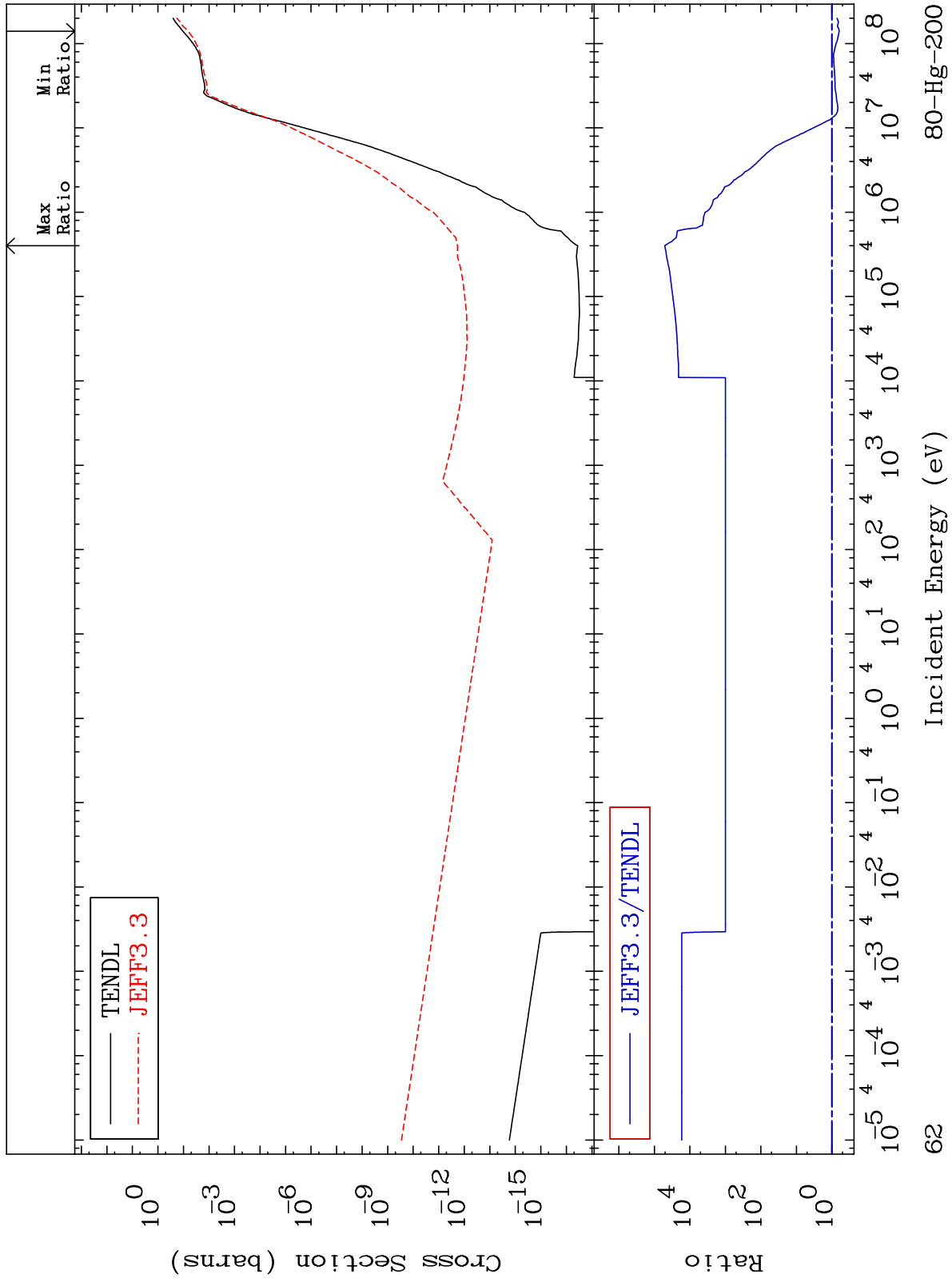
Incident Energy (eV)

80-Hg-200

MAT 8037

He-4 Production
Cross Section

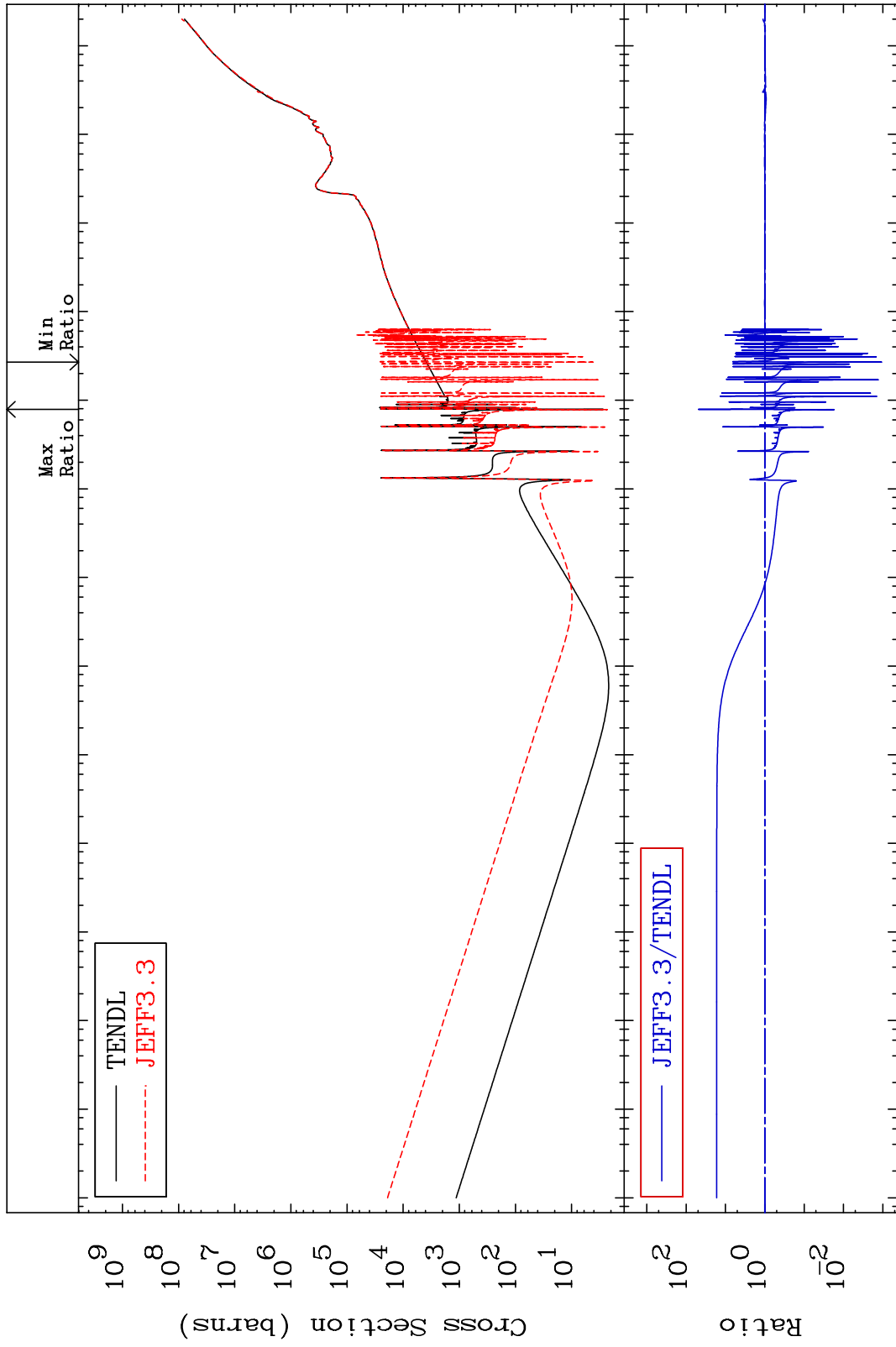
80-Hg-200
-37.45 To 9999. %



MAT 8037

Kerma total (eV-barns)
Cross Section

80-Hg-200
-99.89 To 4793. %



63

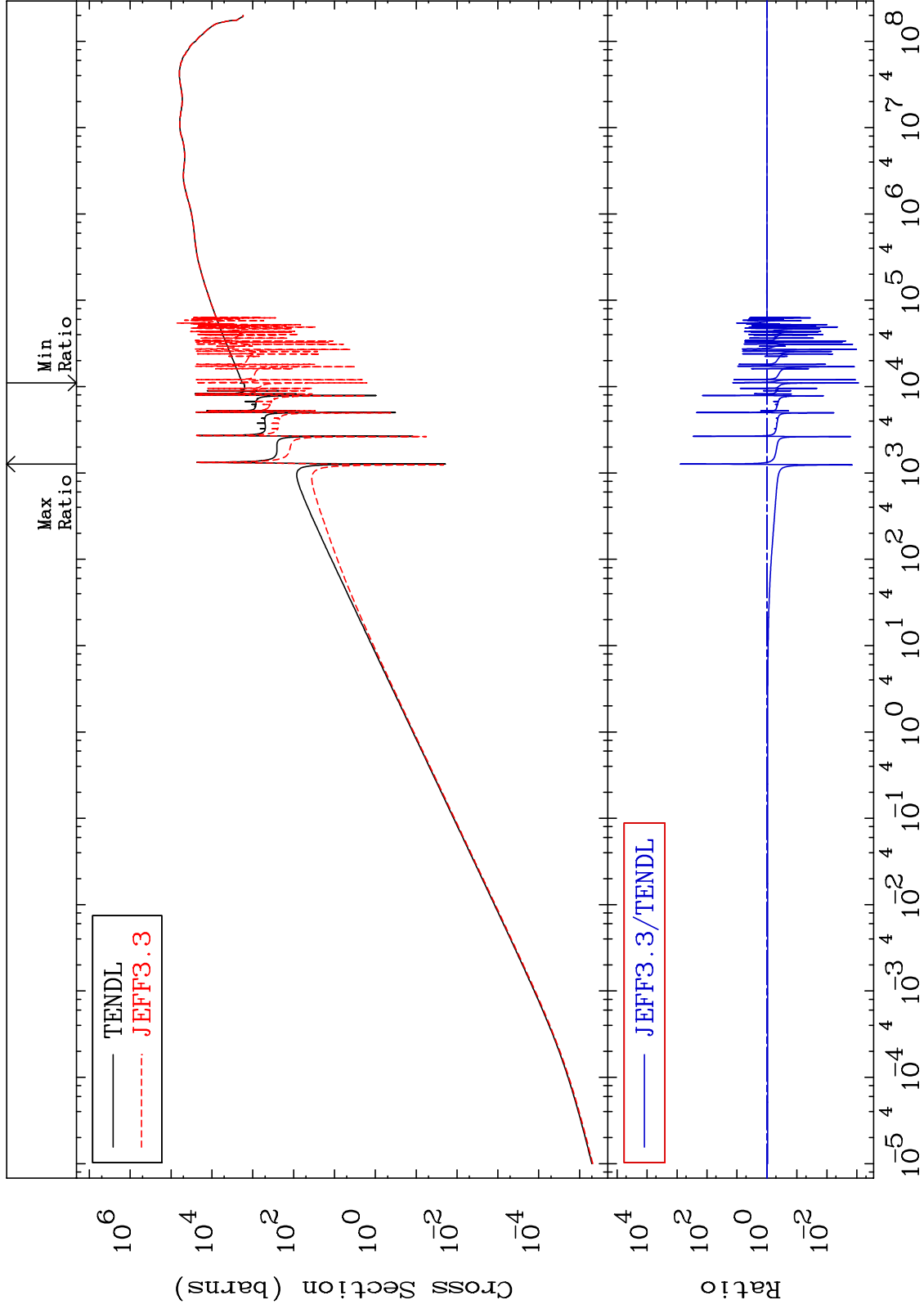
Incident Energy (eV)

80-Hg-200

MAT 8037

Kerma elastic
Cross Section

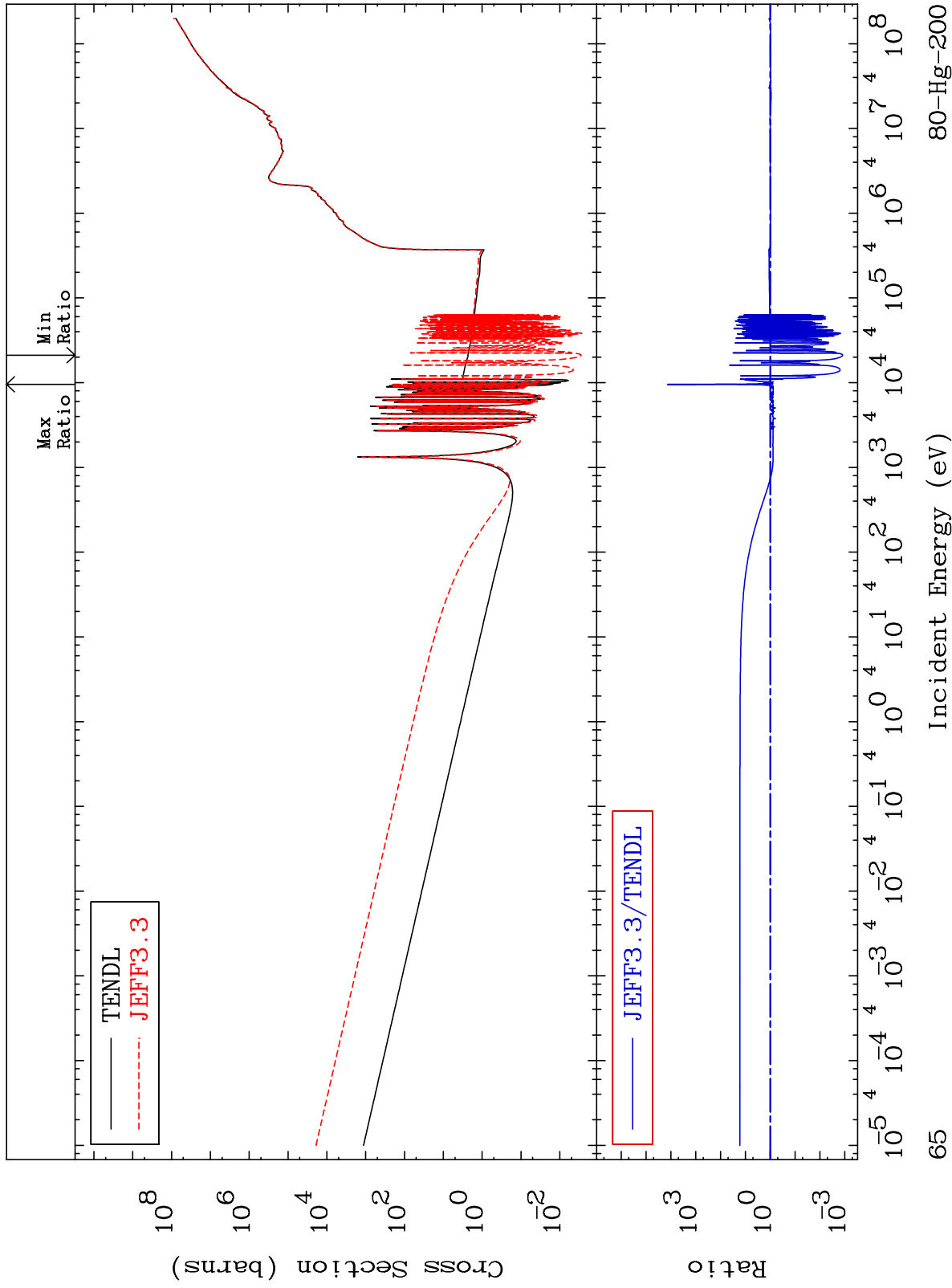
80-Hg-200
-99.91 To 9999. %



MAT 8037

Kerma non-elastic (all but mt2)
Cross Section

80-Hg-200
-99.88 To 9999. %



65

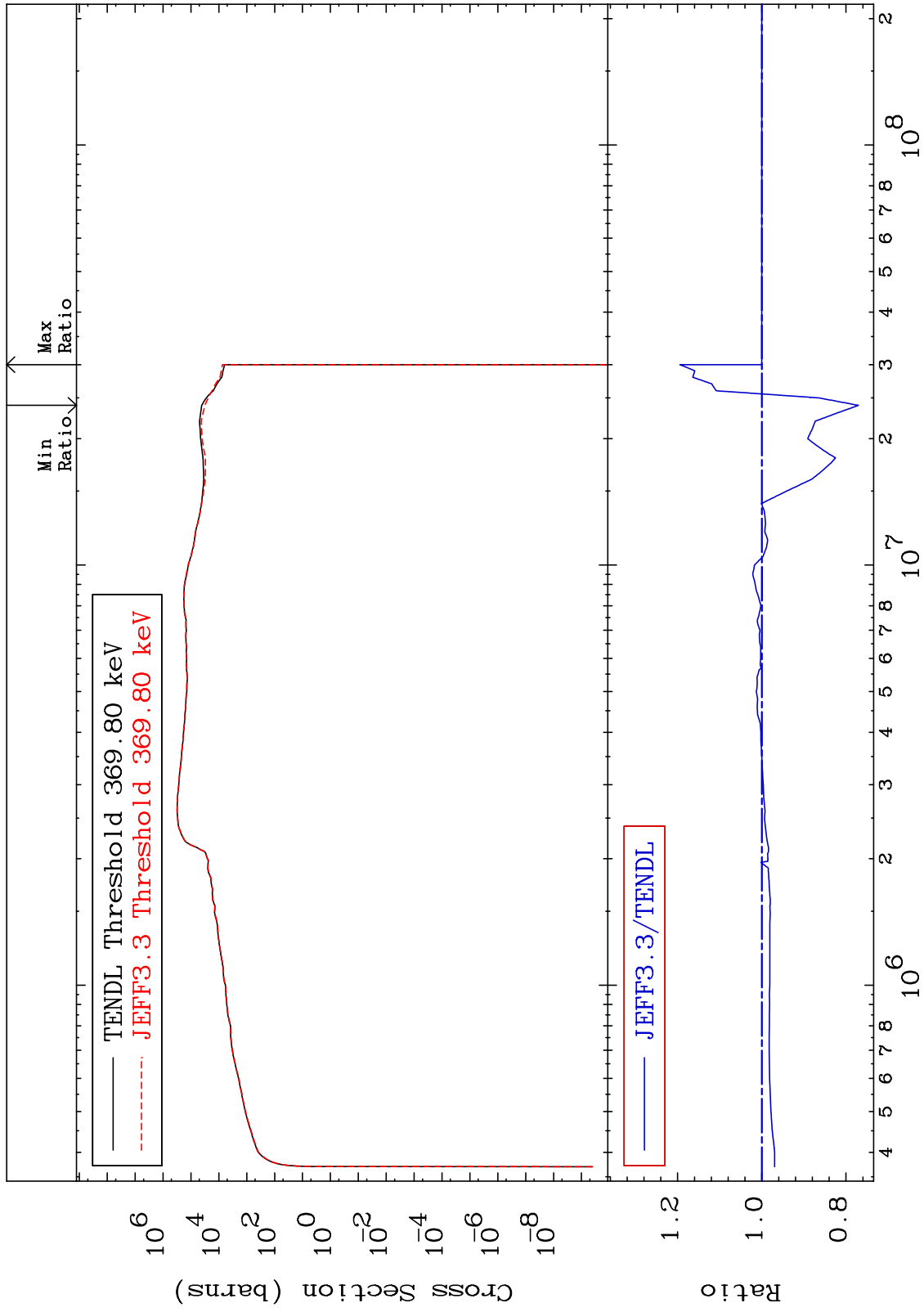
Incident Energy (eV)

80-Hg-200

MAT 8037

Kerma inelastic (mt51-91)
Cross Section

80-Hg-200
-22.94 To 19.43 %



66

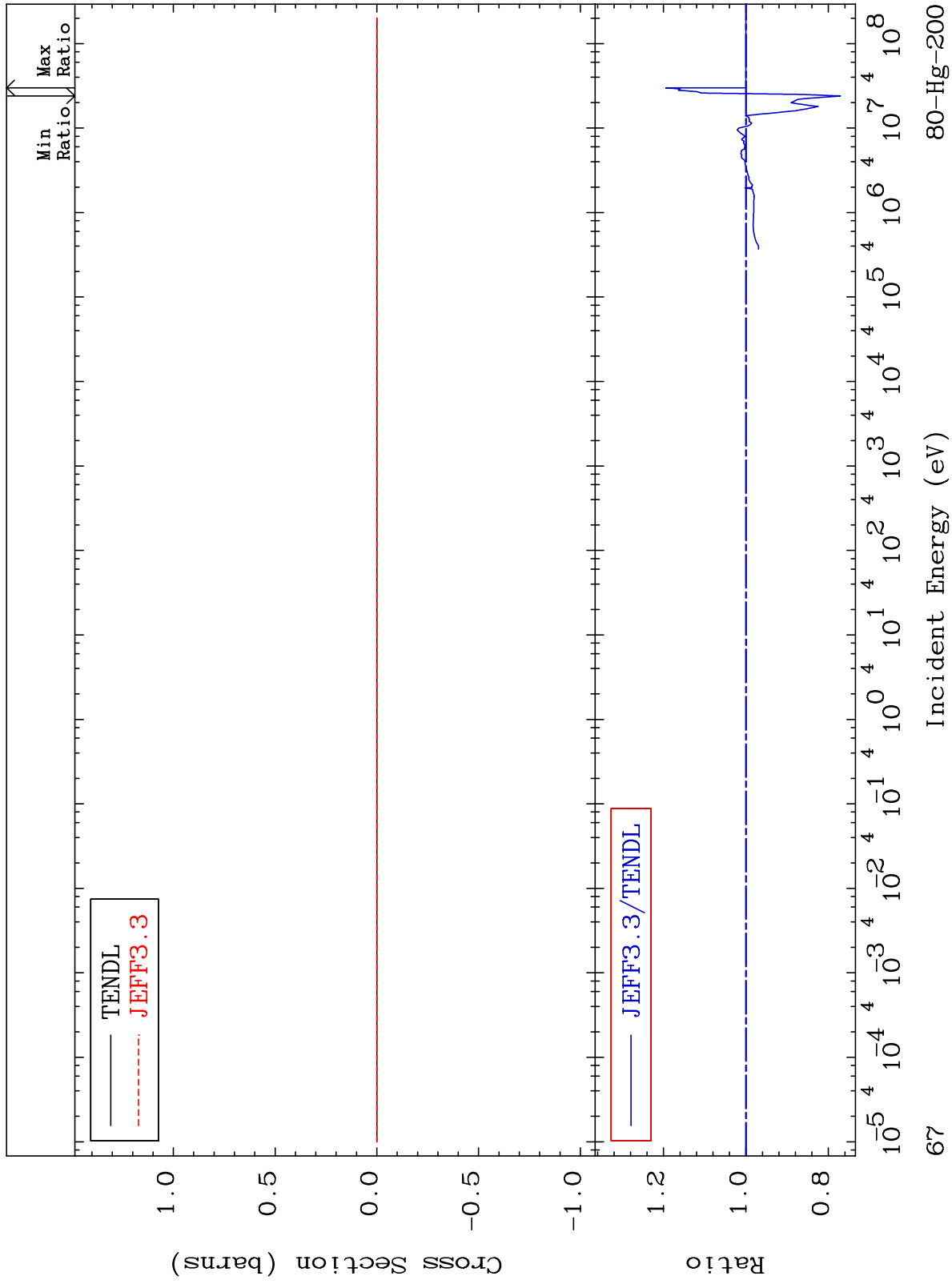
Incident Energy (eV)

80-Hg-200

MAT 8037

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

80-Hg-200
-22.94 To 19.43 %



67

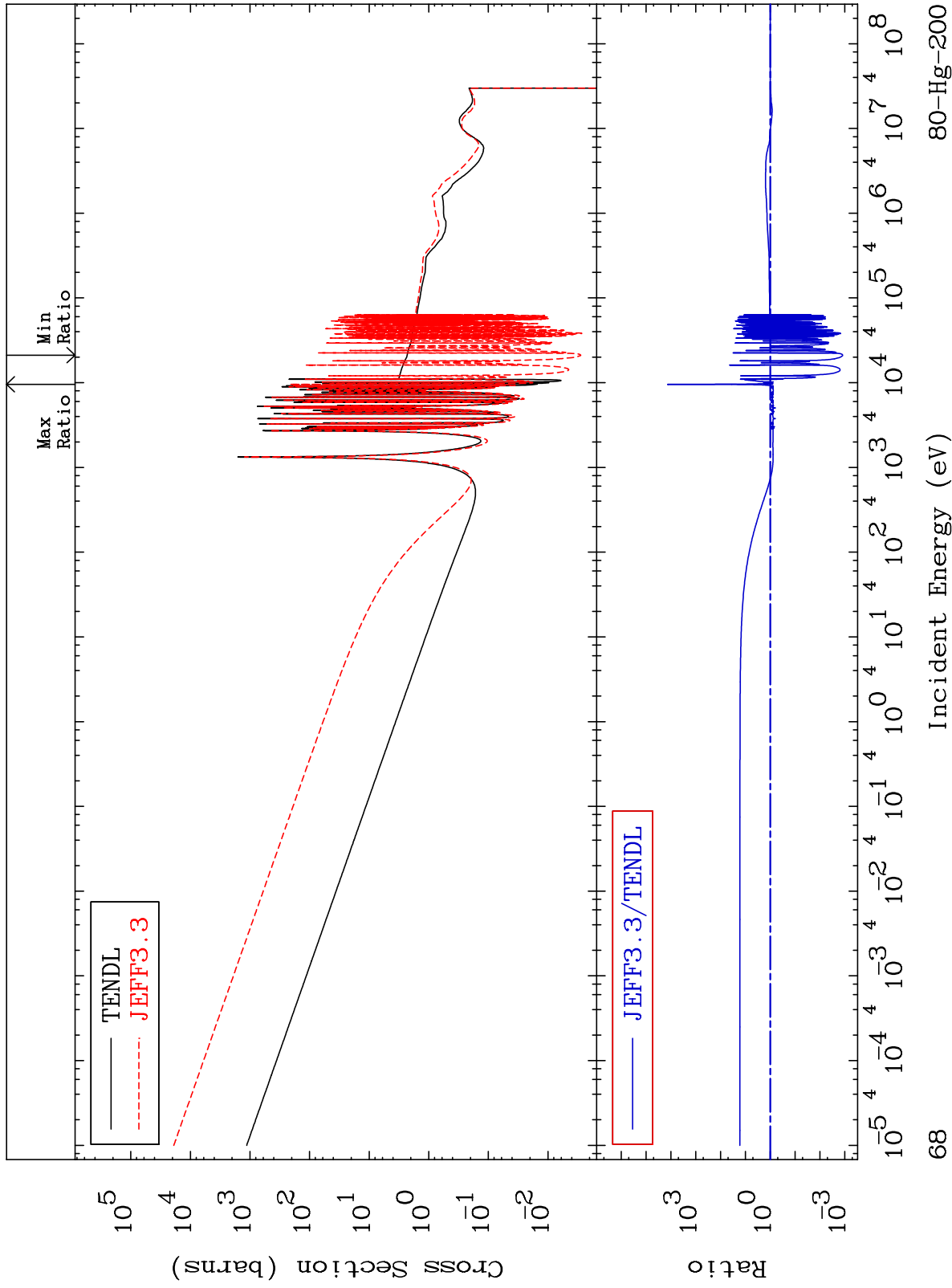
Incident Energy (eV)

80-Hg-200

MAT 8037

Kerma capture (mt102)
Cross Section

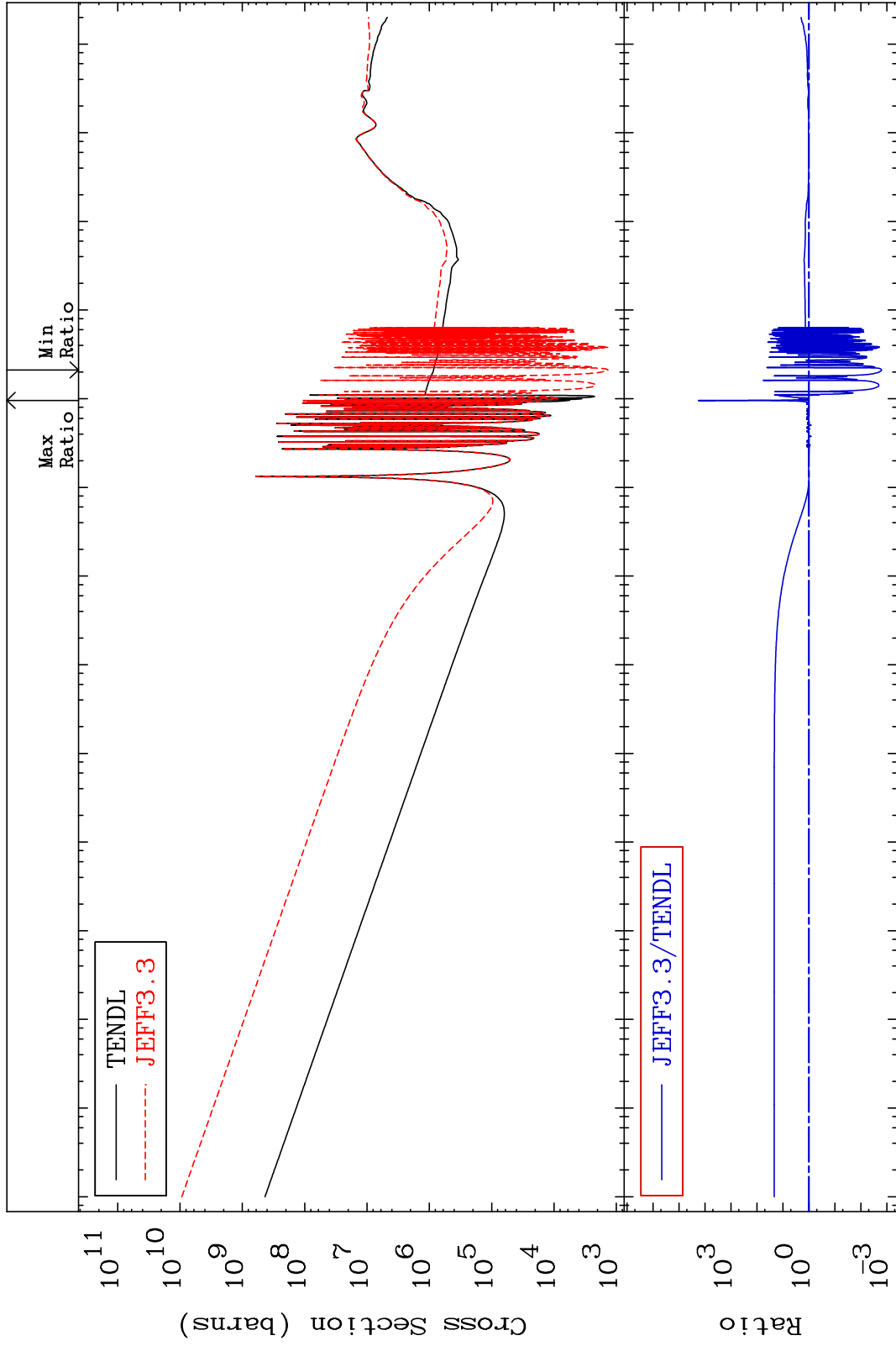
80-Hg-200
-99.88 To 9999. %



MAT 8037

Total photon (eV-barns)
Cross Section

80-Hg-200
-99.84 To 9999. %



69

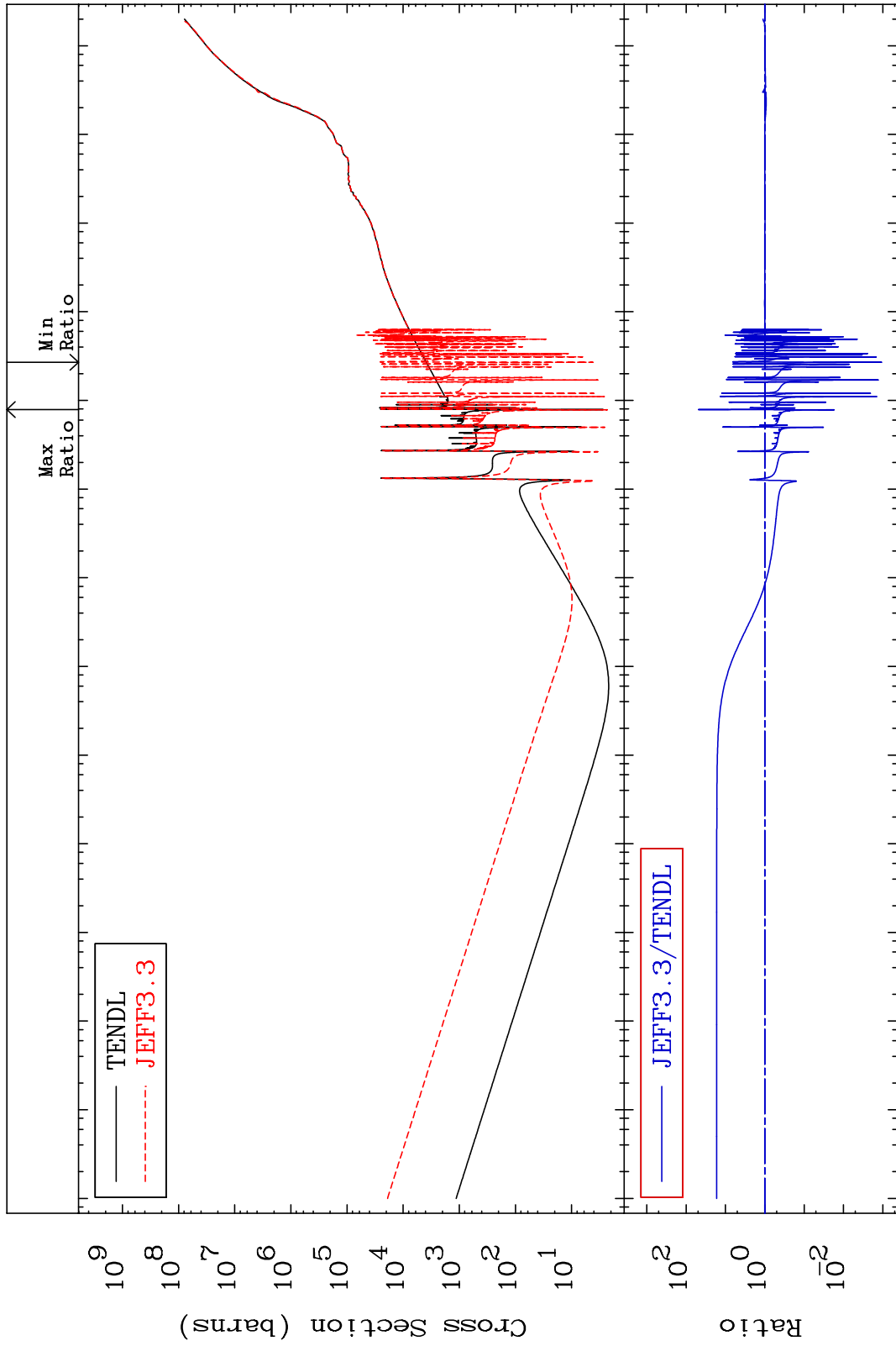
Incident Energy (eV)

80-Hg-200

MAT 8037

Total kinematic kerma (high limit)
Cross Section

80-Hg-200
-99.89 To 4793. %



70

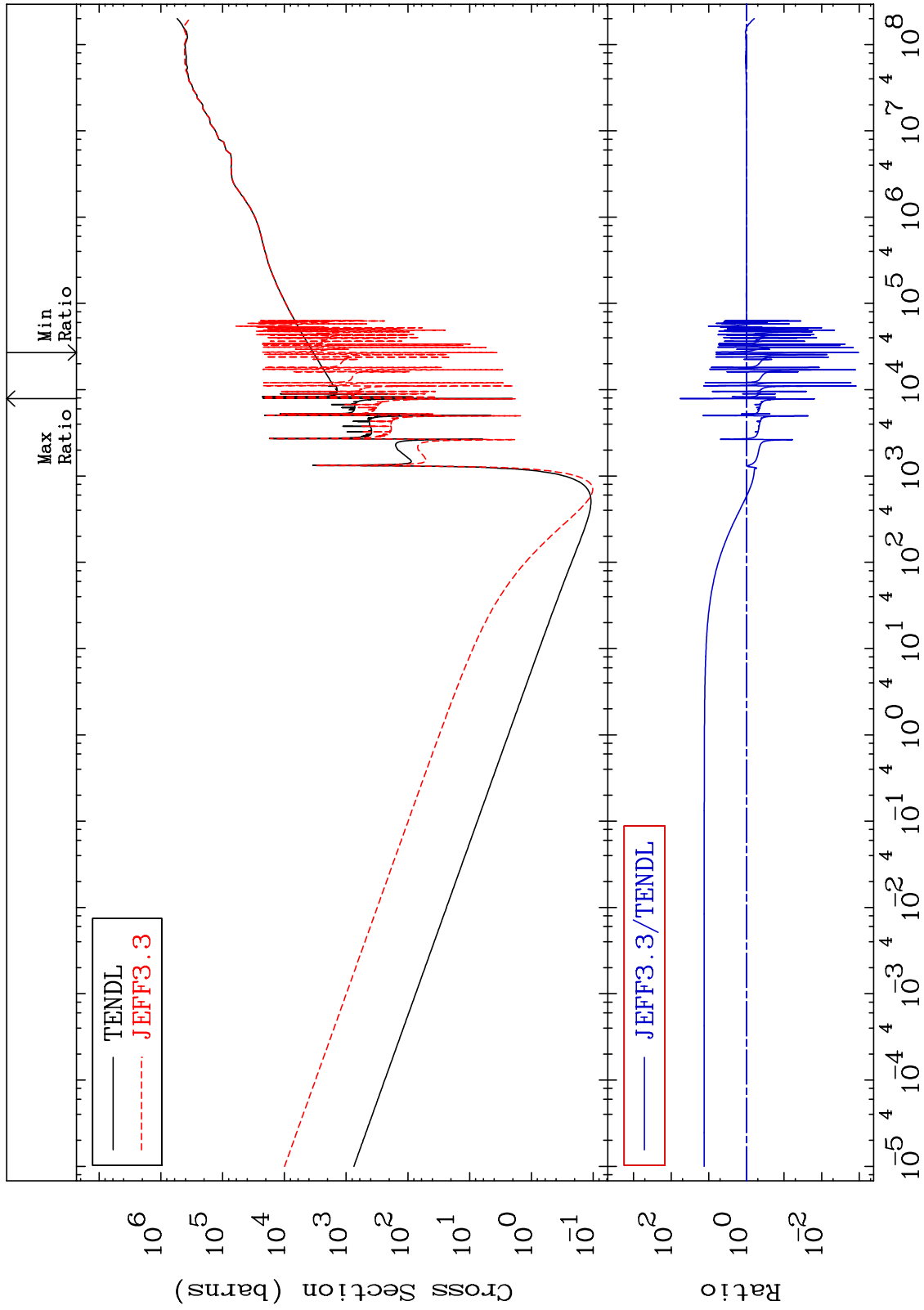
Incident Energy (eV)

80-Hg-200

MAT 8037

Dpa total (eV-barns)
Cross Section

80-Hg-200
-99.89 To 5728. %



71

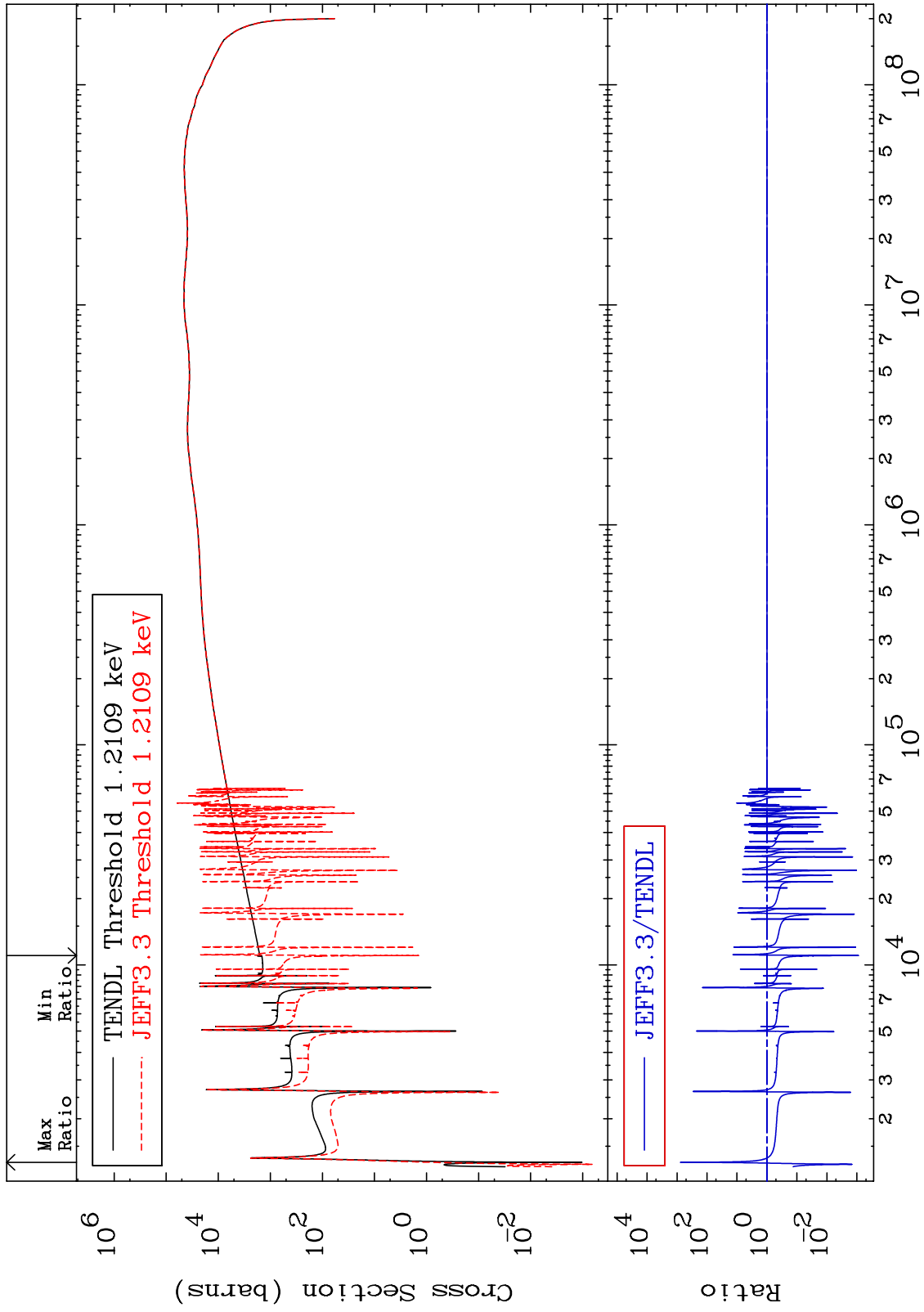
Incident Energy (eV)

80-Hg-200

MAT 8037

Dpa elastic (mt2)
Cross Section

80-Hg-200
-99.91 To 9999. %



72

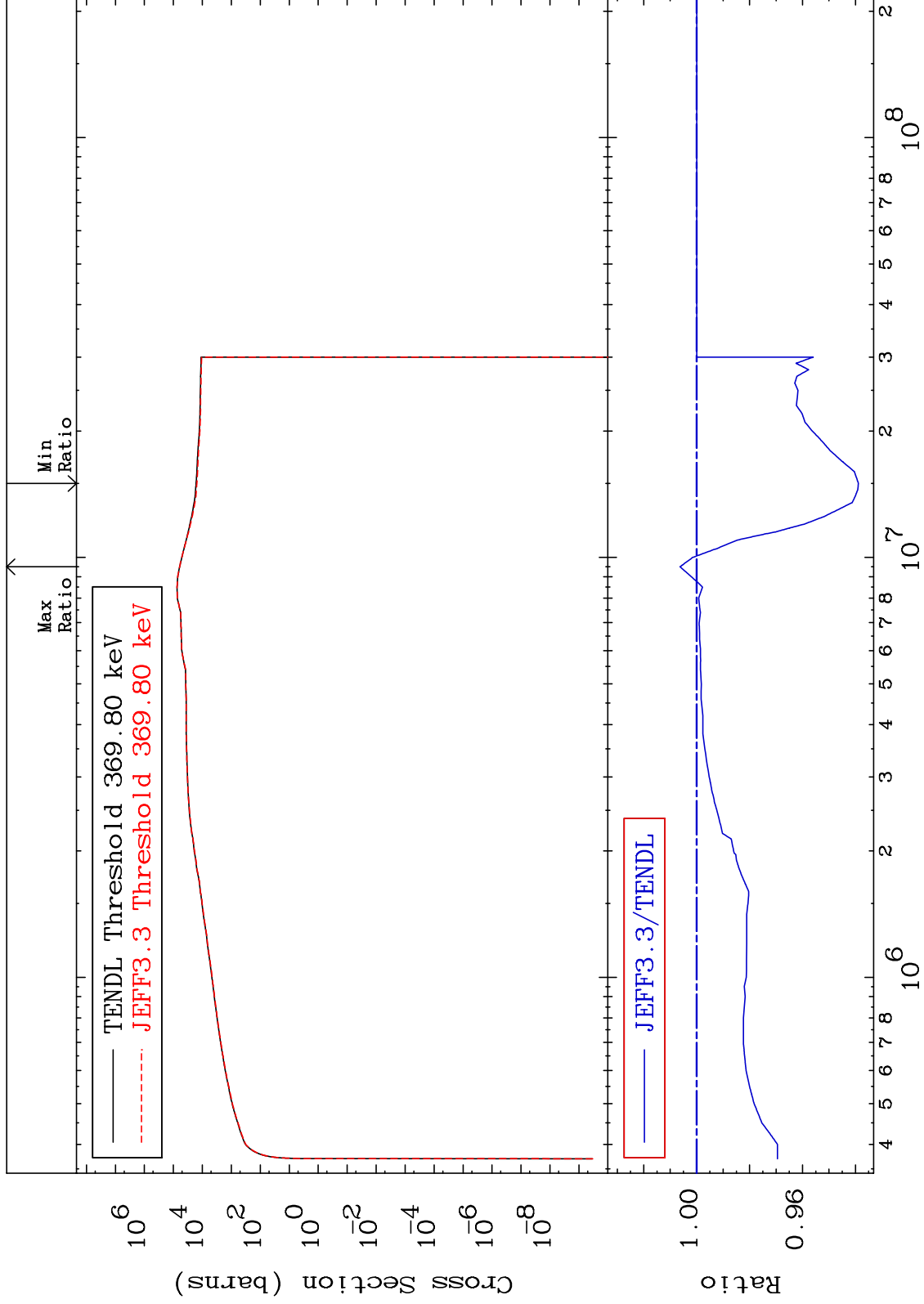
Incident Energy (eV)

80-Hg-200

MAT 8037

Dpa inelastic (mt51-91)
Cross Section

80-Hg-200
-6.112 To 0.629 %



73

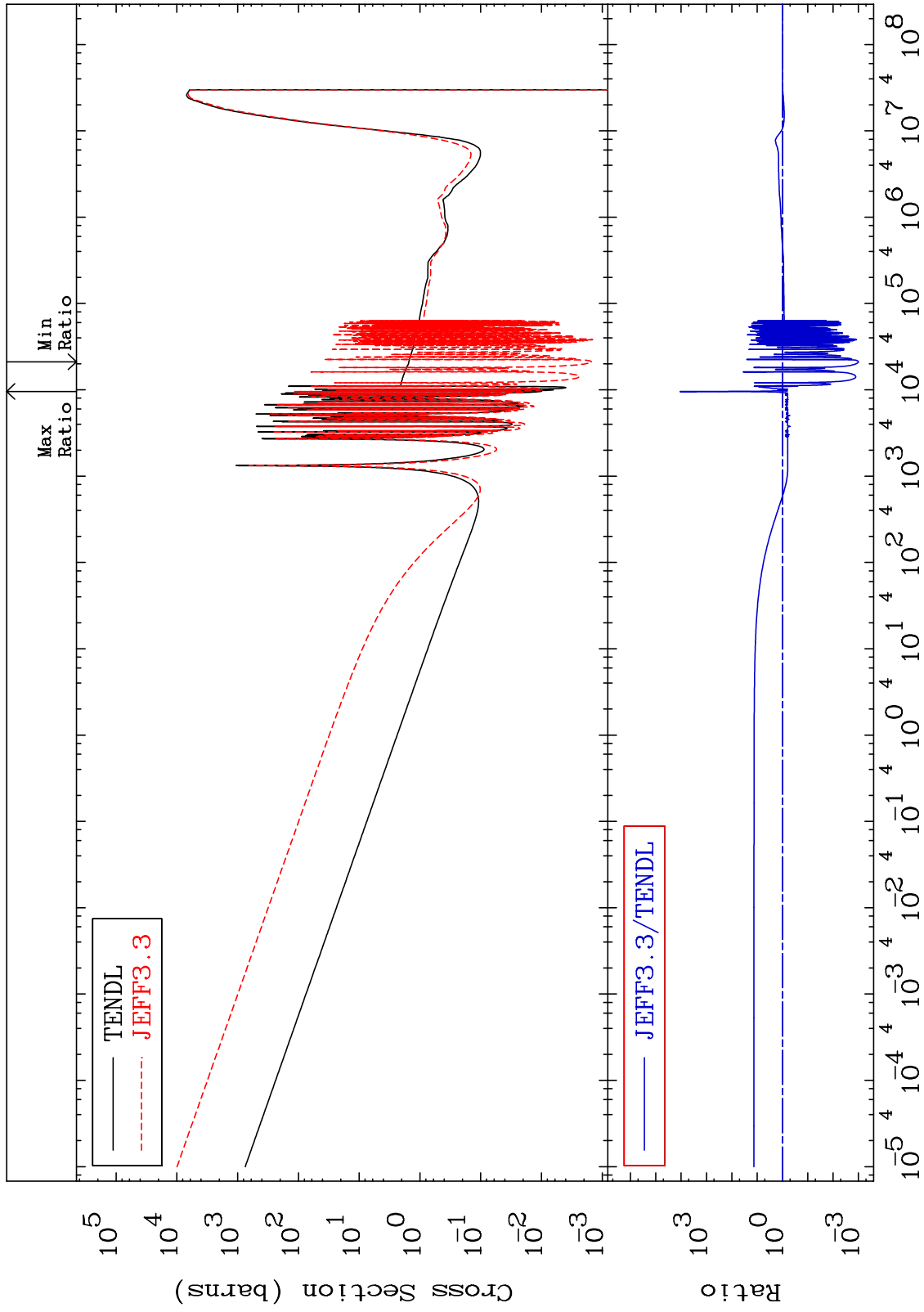
Incident Energy (eV)

80-Hg-200

MAT 8037

Dpa disappearance (mt102 -120)
Cross Section

80-Hg-200
-99.90 To 9999. %



74

Incident Energy (eV)

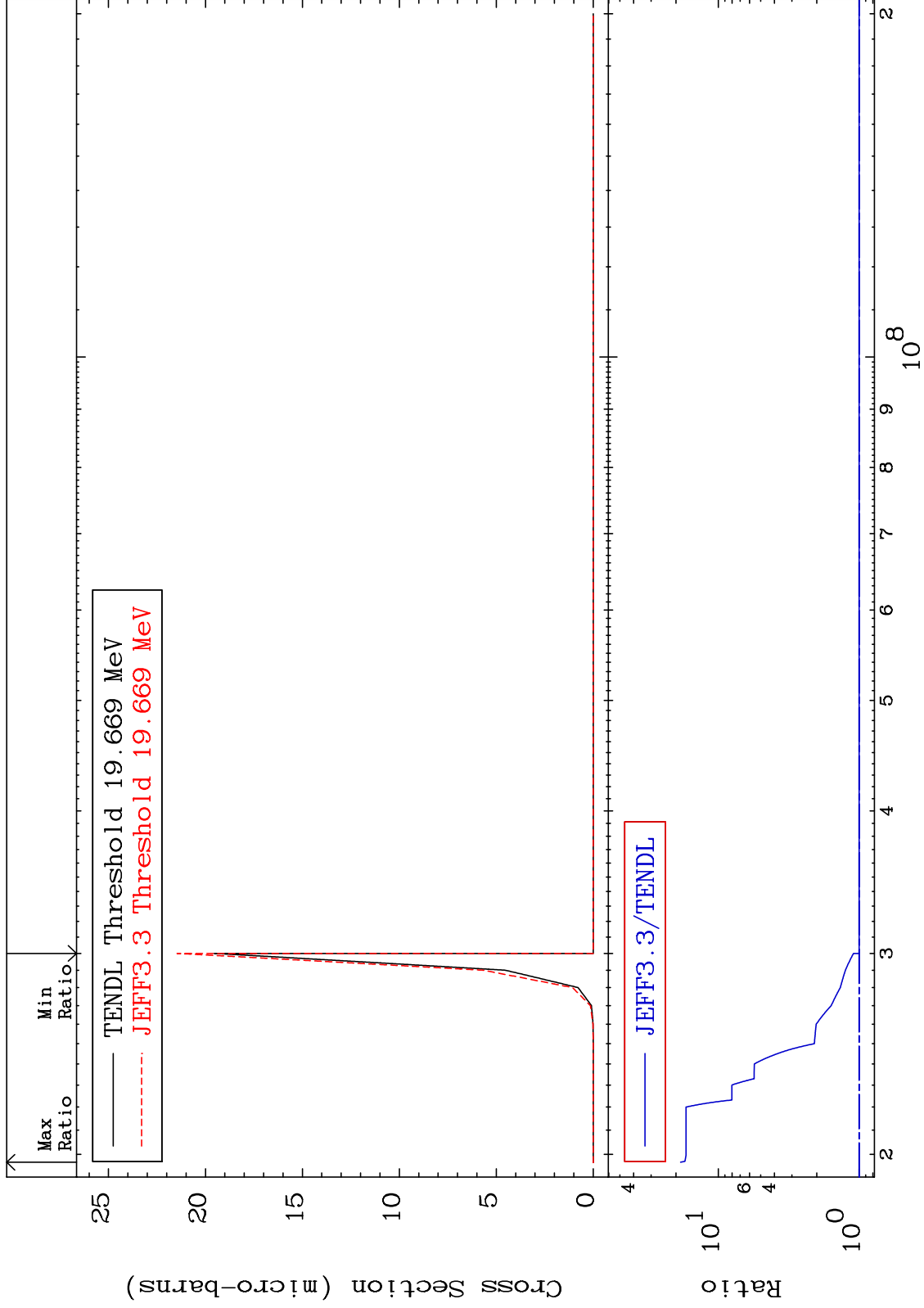
80-Hg-200

MAT 8037

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

80-Hg-200

Radionuclide Production Cross Section 0.000 To 1753. %



75

Incident Energy (eV)

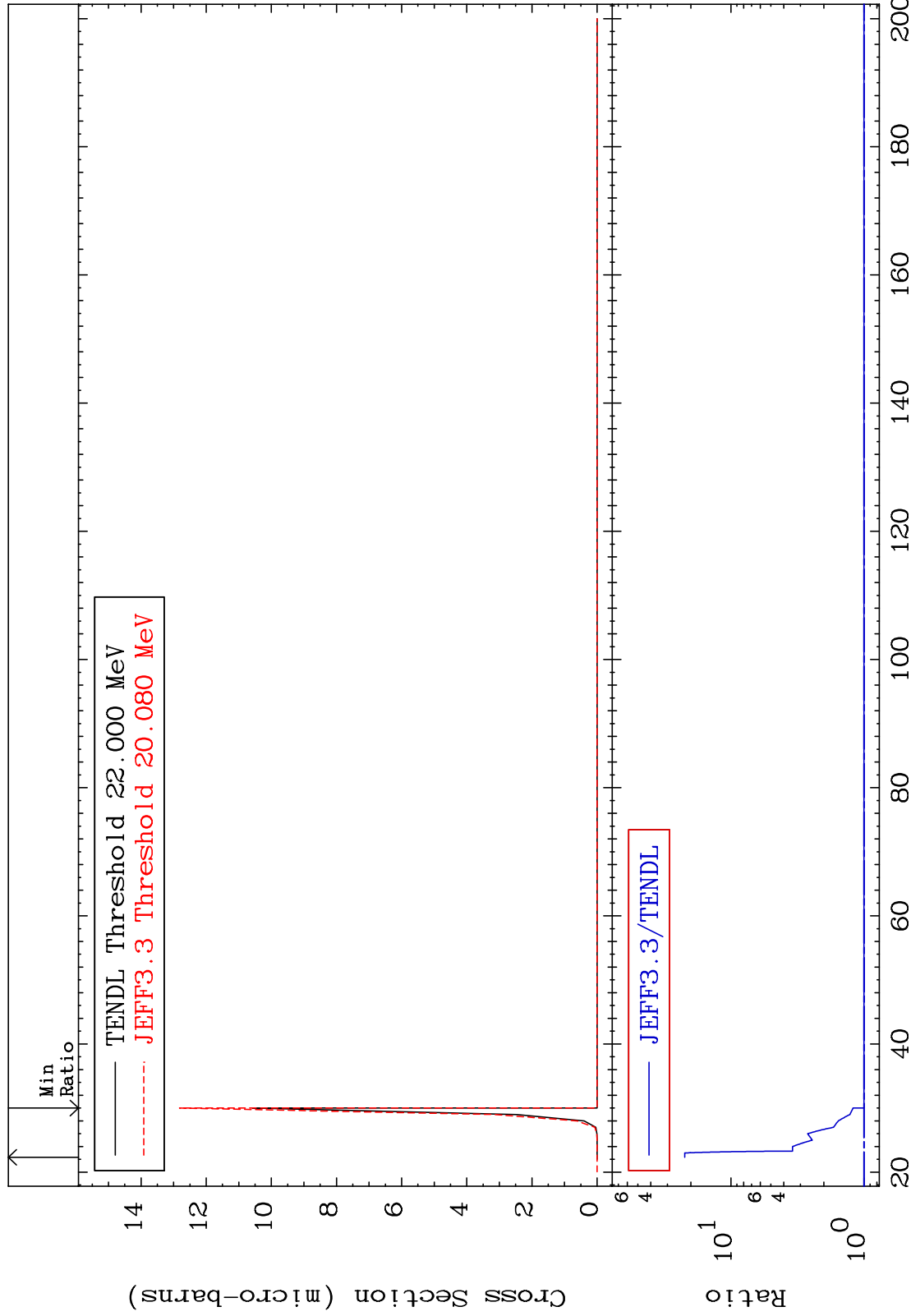
80-Hg-200

MAT 8037

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

80-Hg-200

Radionuclide Production Cross Section 0.000 To 2118. %



76

Incident Energy (MeV)

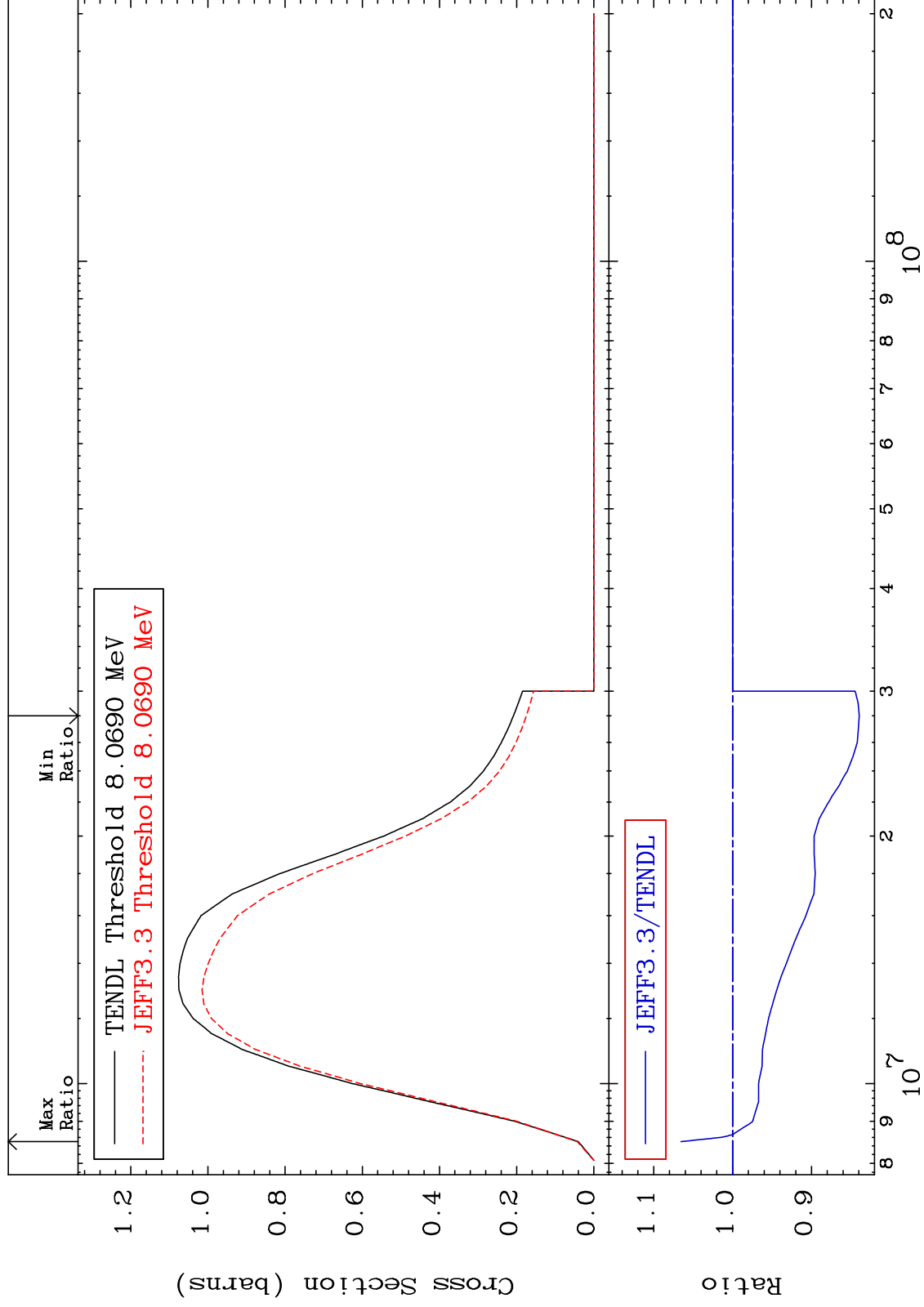
80-Hg-200

MAT 8037

(n,2n):80-Hg-199g

80-Hg-200

Radionuclide Production Cross Section -16.05 To 6.532 %

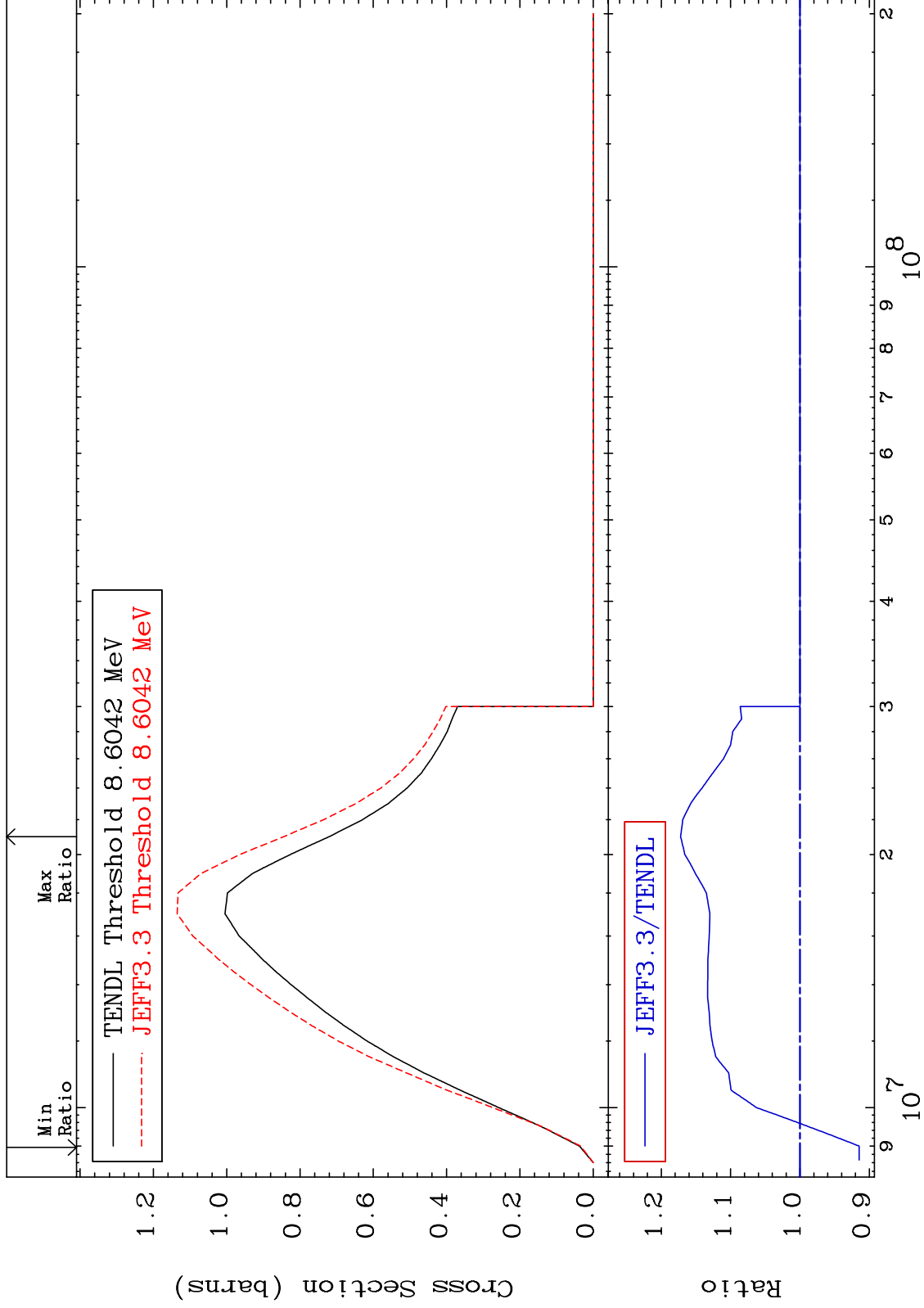


MAT 8037

(n,2n):80-Hg-199m7

80-Hg-200

Radionuclide Production Cross Section -8.531 To 17.21 %



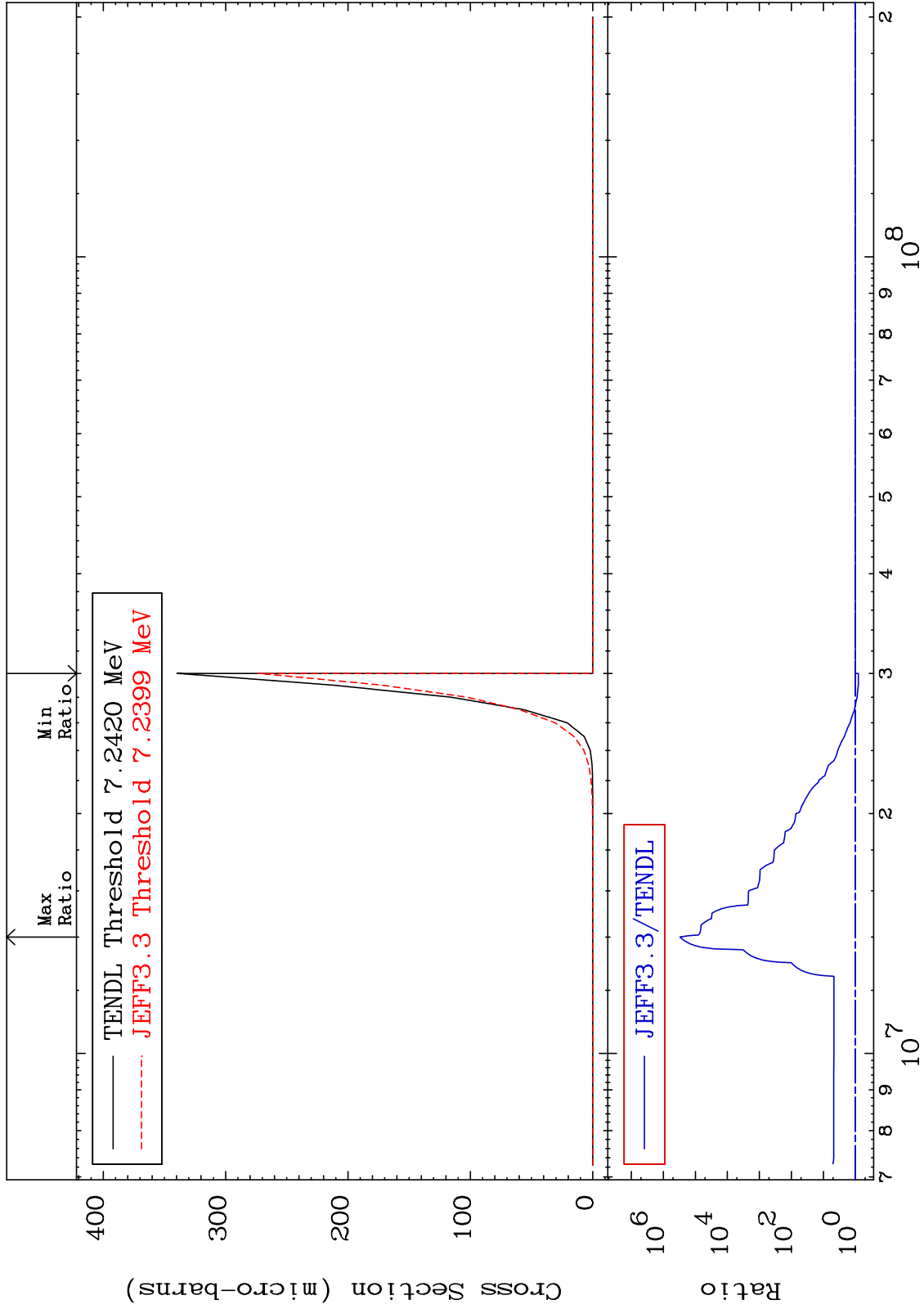
78

Incident Energy (eV)

80-Hg-200

MAT 8037

(n,2n) α :78-Pt-195g 80-Hg-200
Radionuclide Production Cross Section -19.50 To 9999. %



79

Incident Energy (eV)

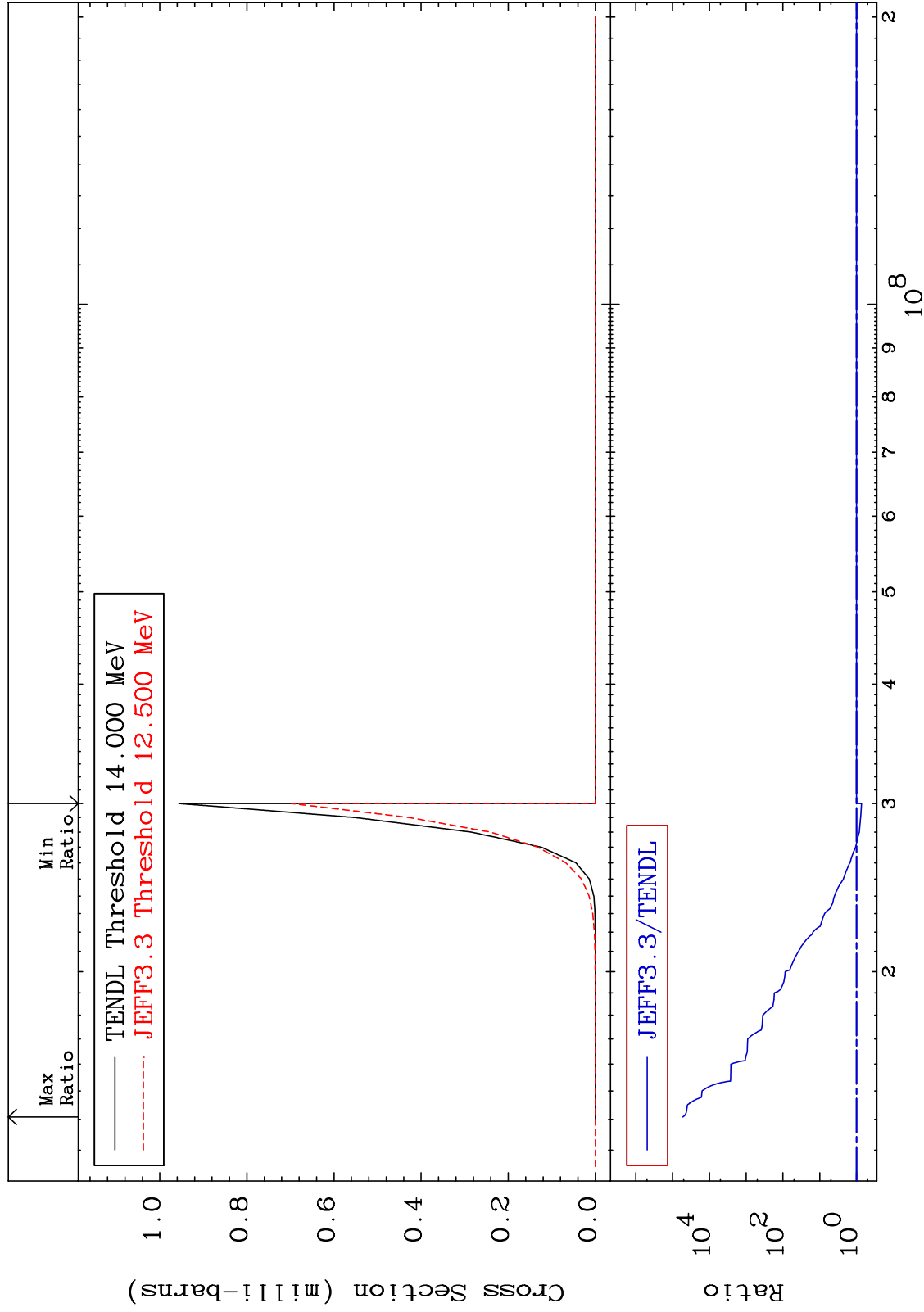
80-Hg-200

MAT 8037

(n,2n) α :78-Pt-195m7

80-Hg-200

Radionuclide Production Cross Section -27.02 To 9999. %



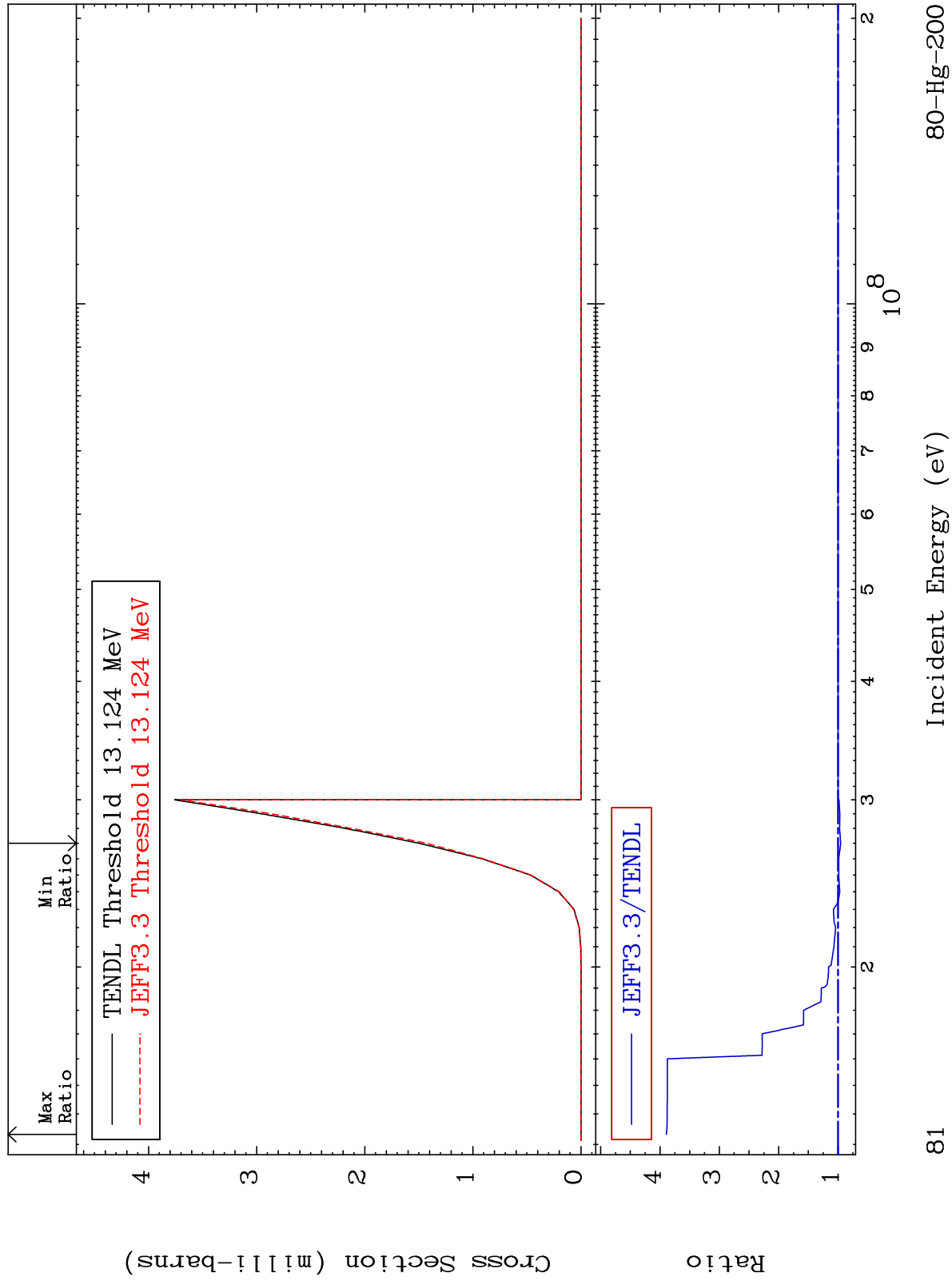
80

Incident Energy (eV)

80-Hg-200

MAT 8037

(n, n') d:79-Au-198g 80-Hg-200
Radionuclide Production Cross Section -4.561 To 289.3 %

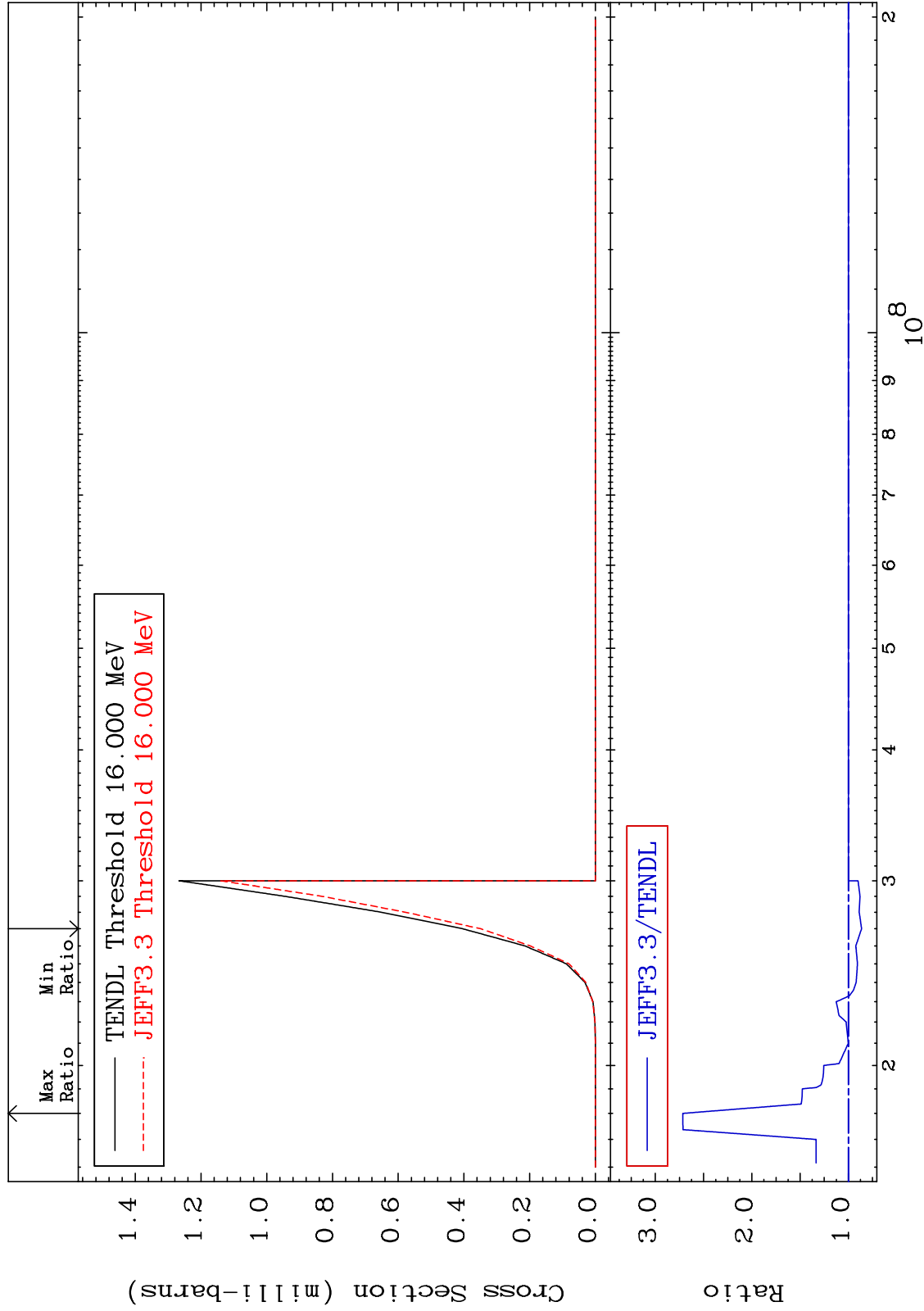


MAT 8037

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

80-Hg-200

Radionuclide Production Cross Section -13.66 To 171.5 %

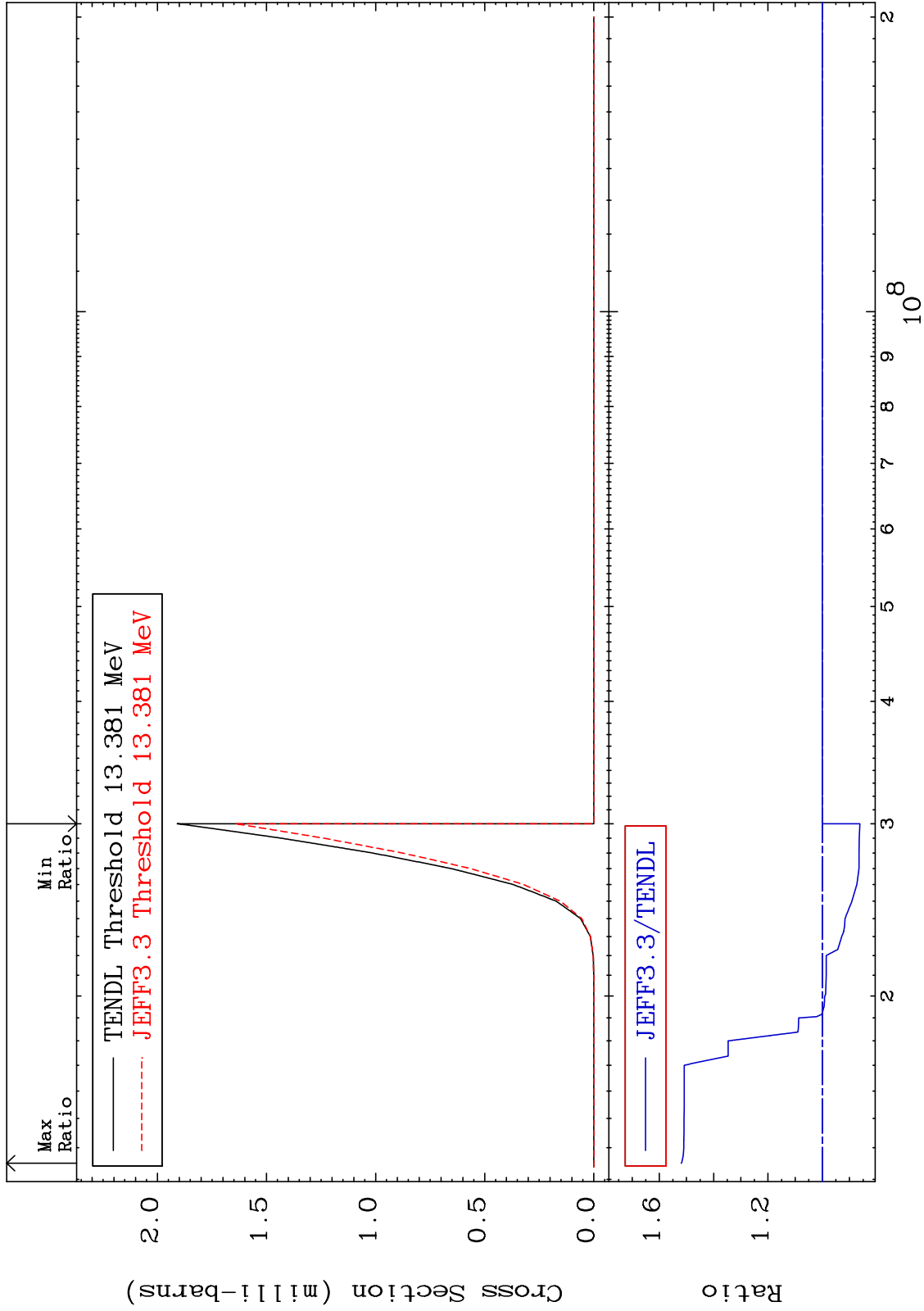


MAT 8037

(n, n') t:79-Au-197g

80-Hg-200

Radionuclide Production Cross Section -13.85 To 51.94 %

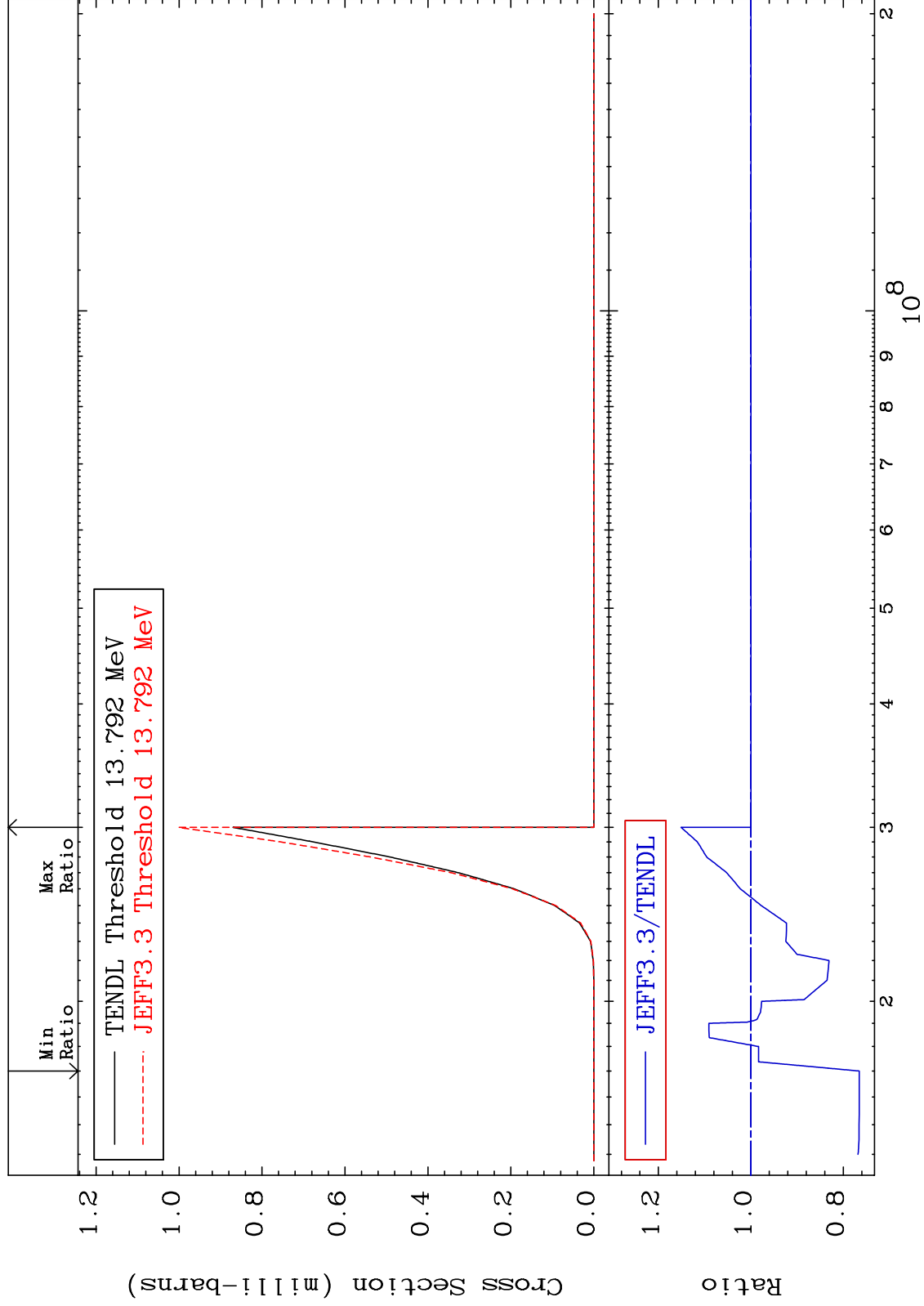


MAT 8037

(n, n') t:79-Au-197m4

80-Hg-200

Radionuclide Production Cross Section -23.46 To 15.09 %



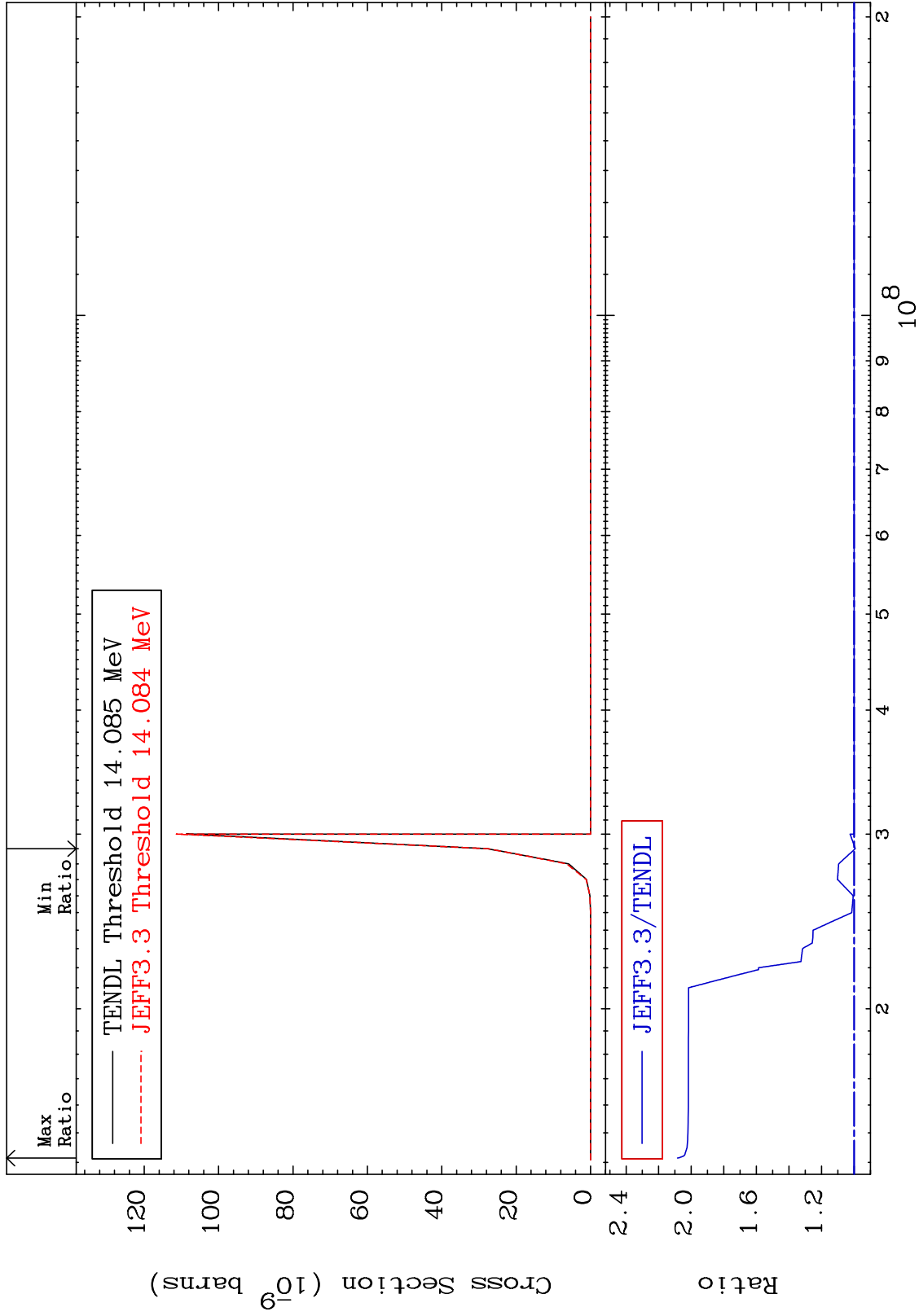
84

Incident Energy (eV)

80-Hg-200

MAT 8037

(n, n') He-3:78-Pt-197g 80-Hg-200
Radionuclide Production Cross Section -0.735 To 108.4 %



85

Incident Energy (eV)

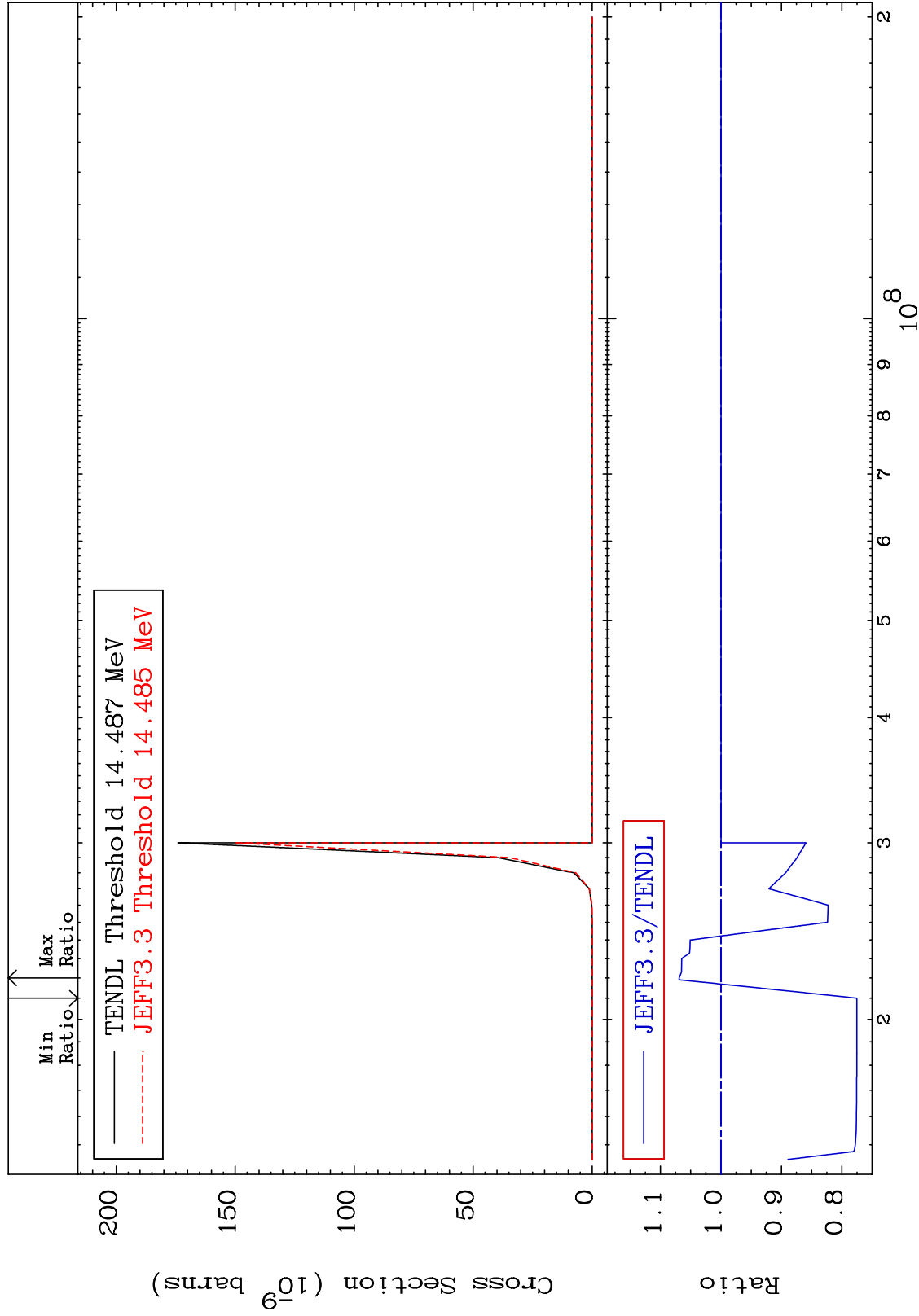
80-Hg-200

MAT 8037

(n, n') He-3:78-Pt-197m9

80-Hg-200

Radionuclide Production Cross Section -22.48 To 6.904 %



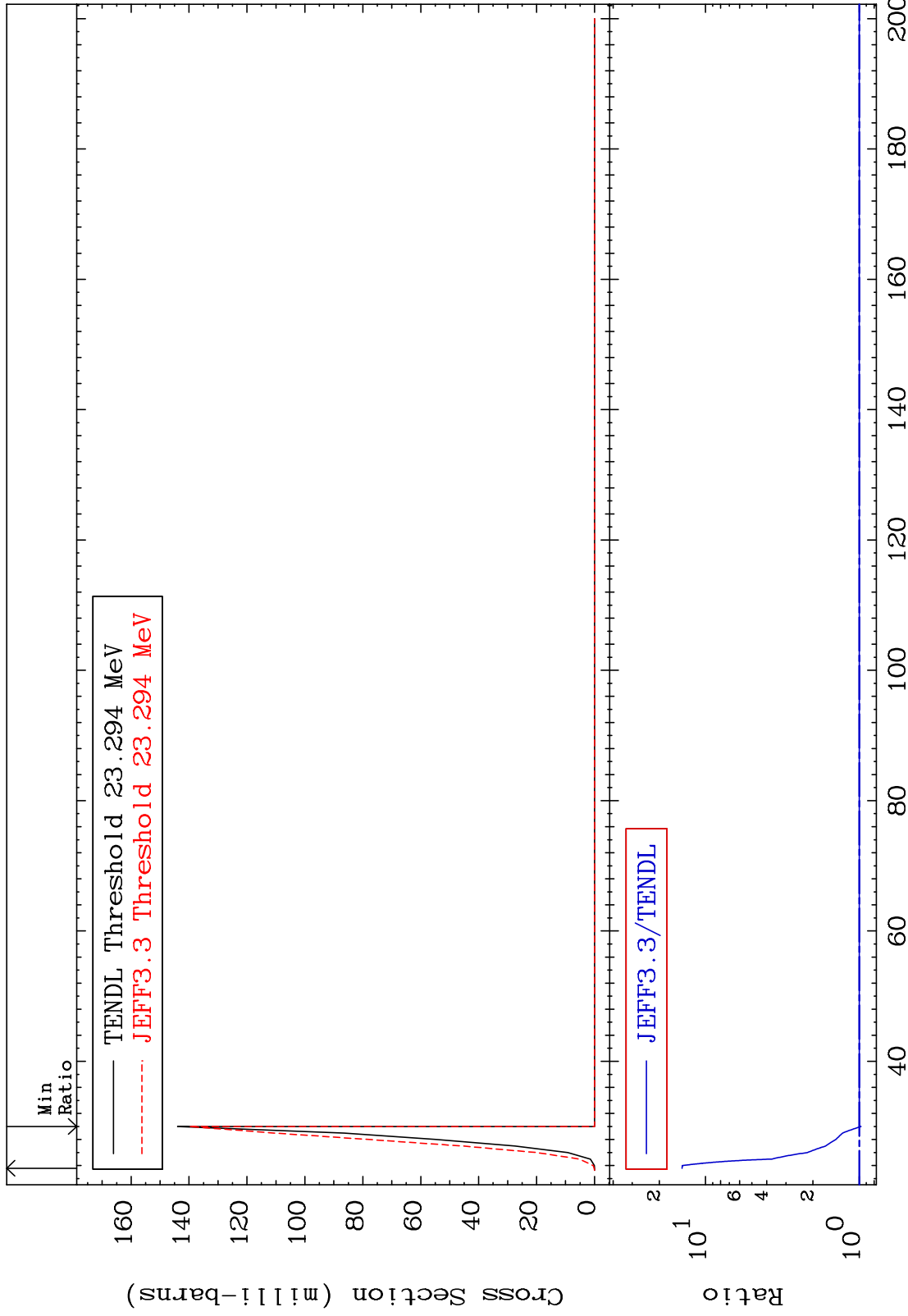
MAT 8037

(n,4n):80-Hg-197g

80-Hg-200

Radionuclide Production Cross Section

-2.772 To 1321. %



87

Incident Energy (MeV)

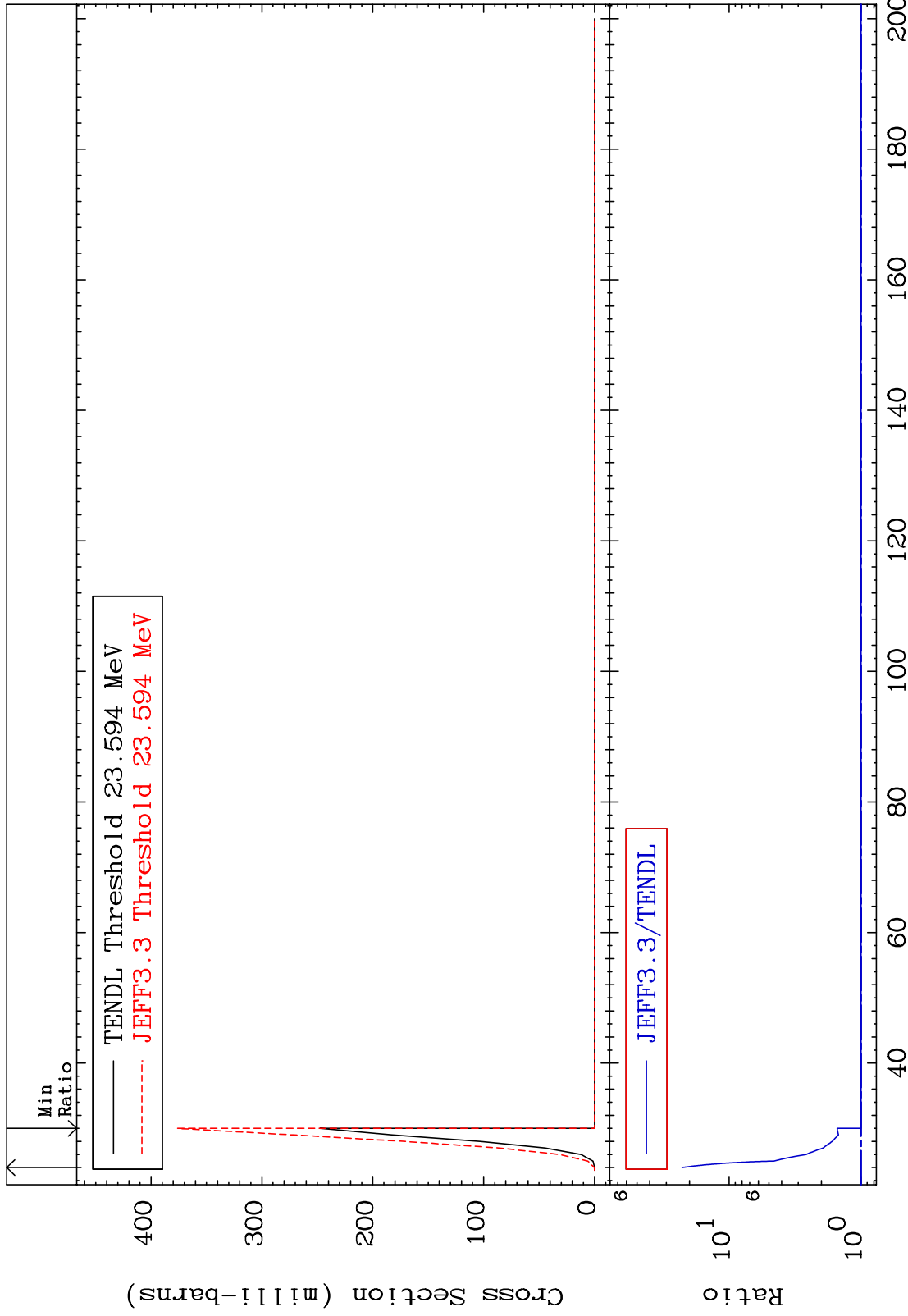
80-Hg-200

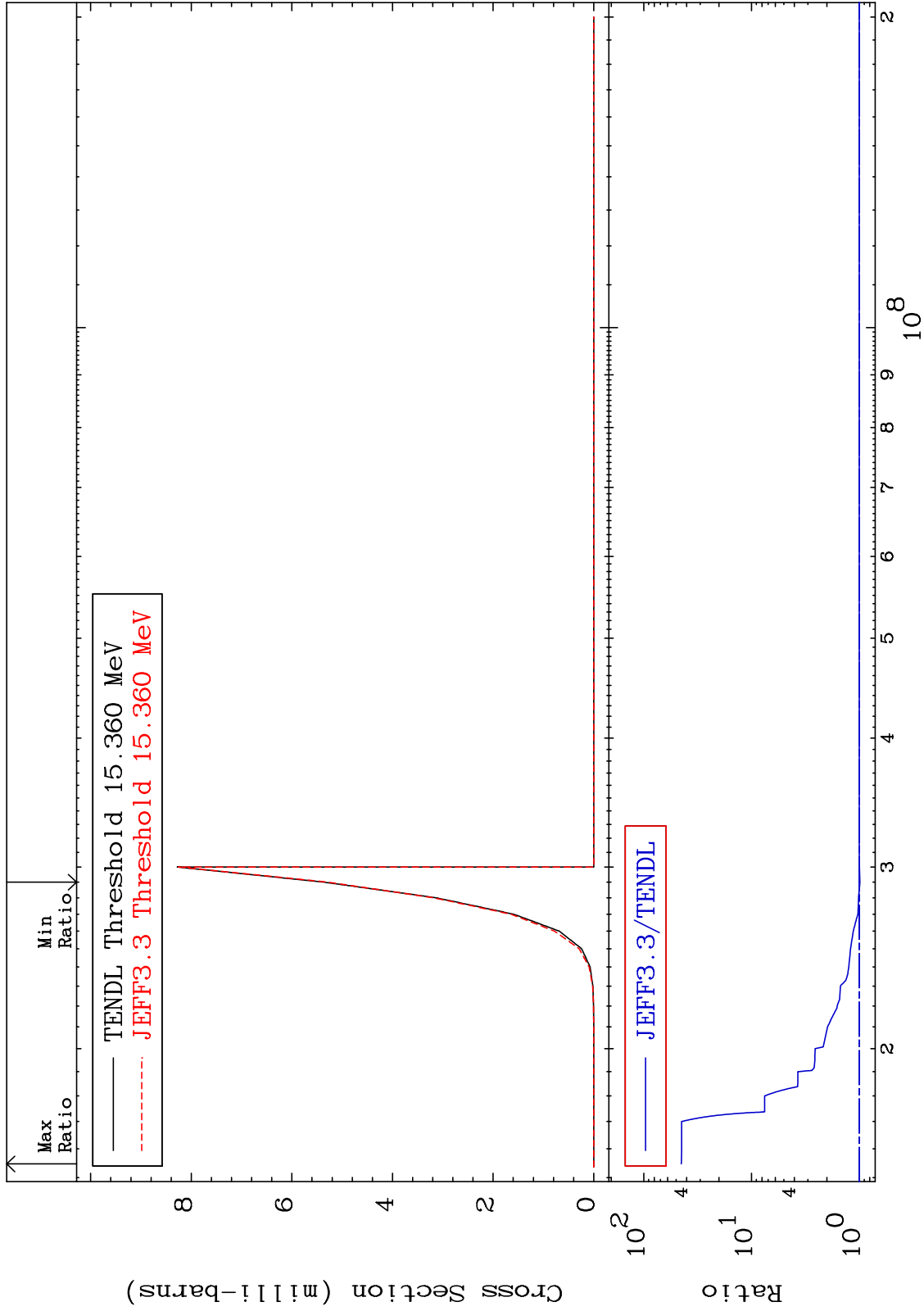
MAT 8037

(n, 4n): 80-Hg-197m4

80-Hg-200

Radionuclide Production Cross Section 0.000 To 2172. %



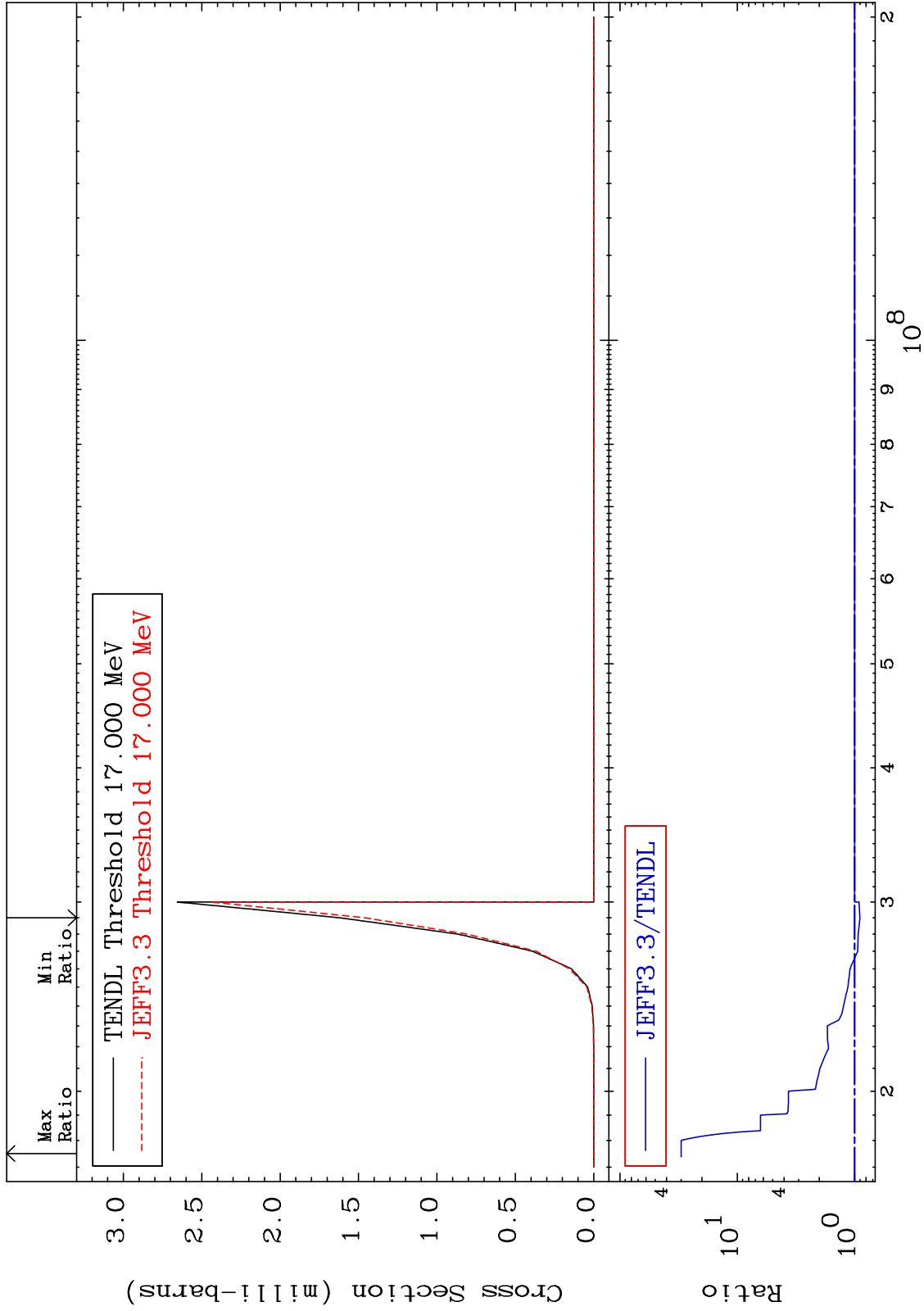


MAT 8037

(n,2n) p:79-Au-198m5

80-Hg-200

Radionuclide Production Cross Section -9.827 To 2902. %



90

Incident Energy (eV)

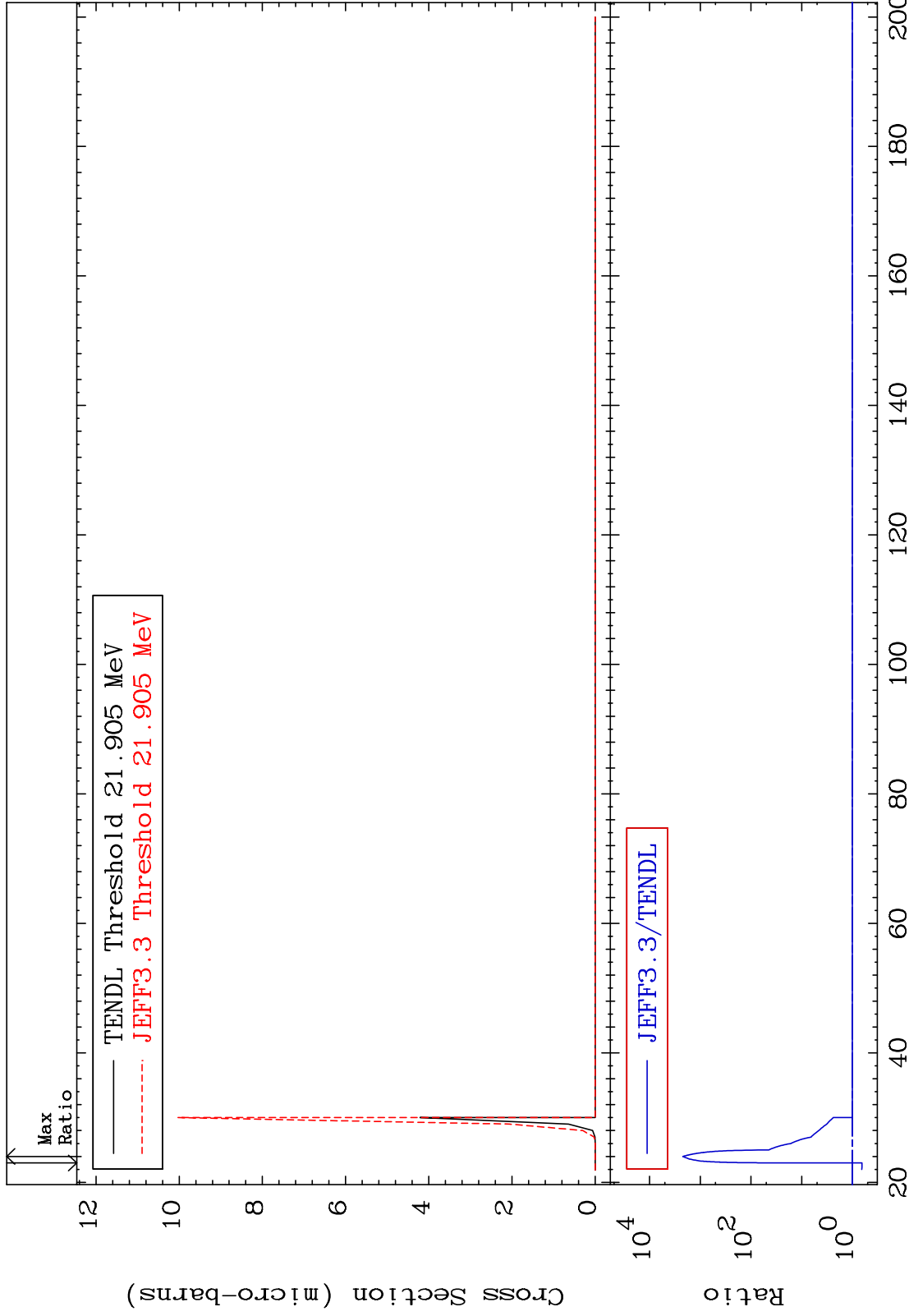
80-Hg-200

MAT 8037

(n,3n) p:79-Au-197g

80-Hg-200

Radionuclide Production Cross Section -35.29 To 9999. %

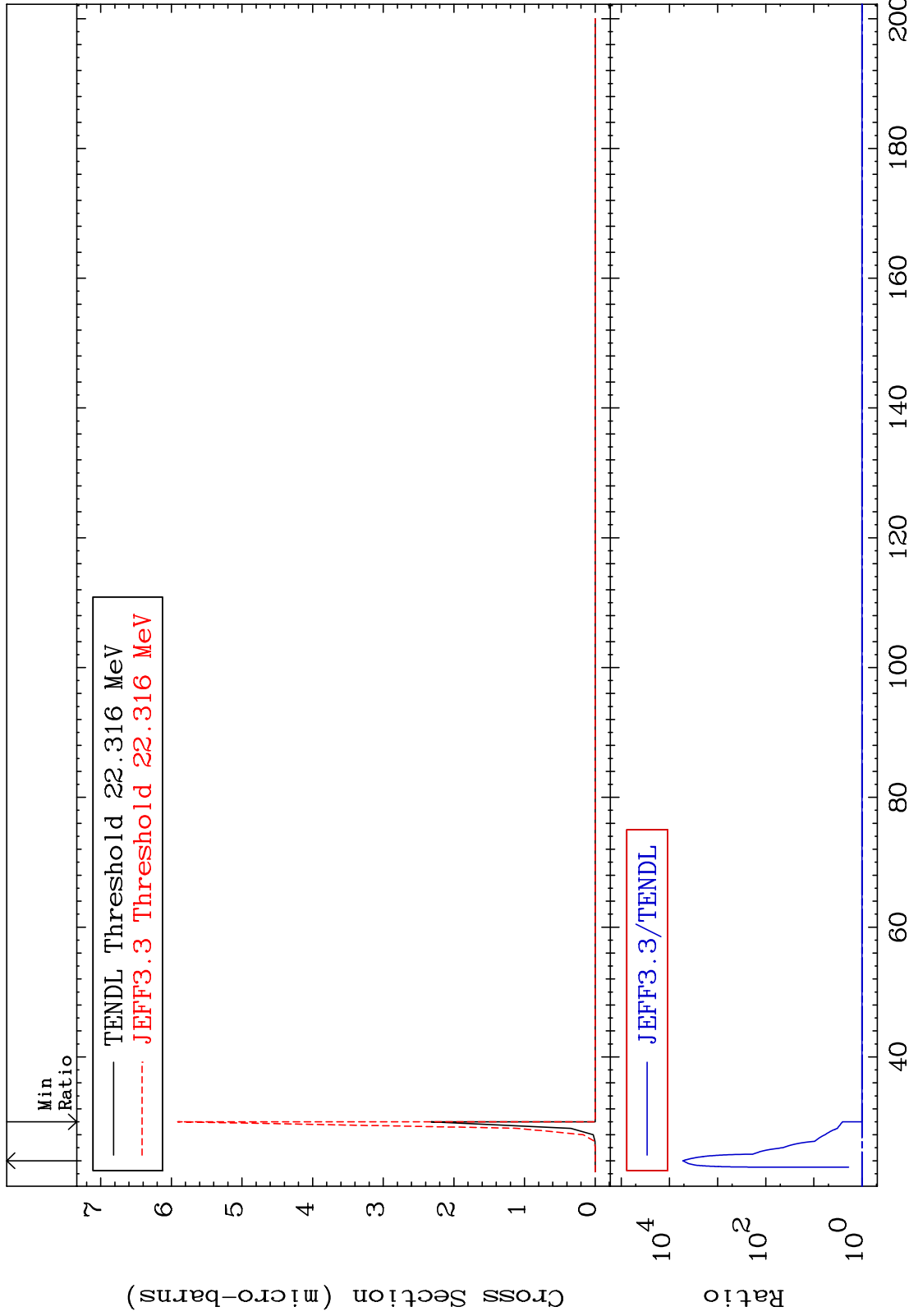


MAT 8037

(n,3n) p:79-Au-197m4

80-Hg-200

Radionuclide Production Cross Section 0.000 To 9999. %



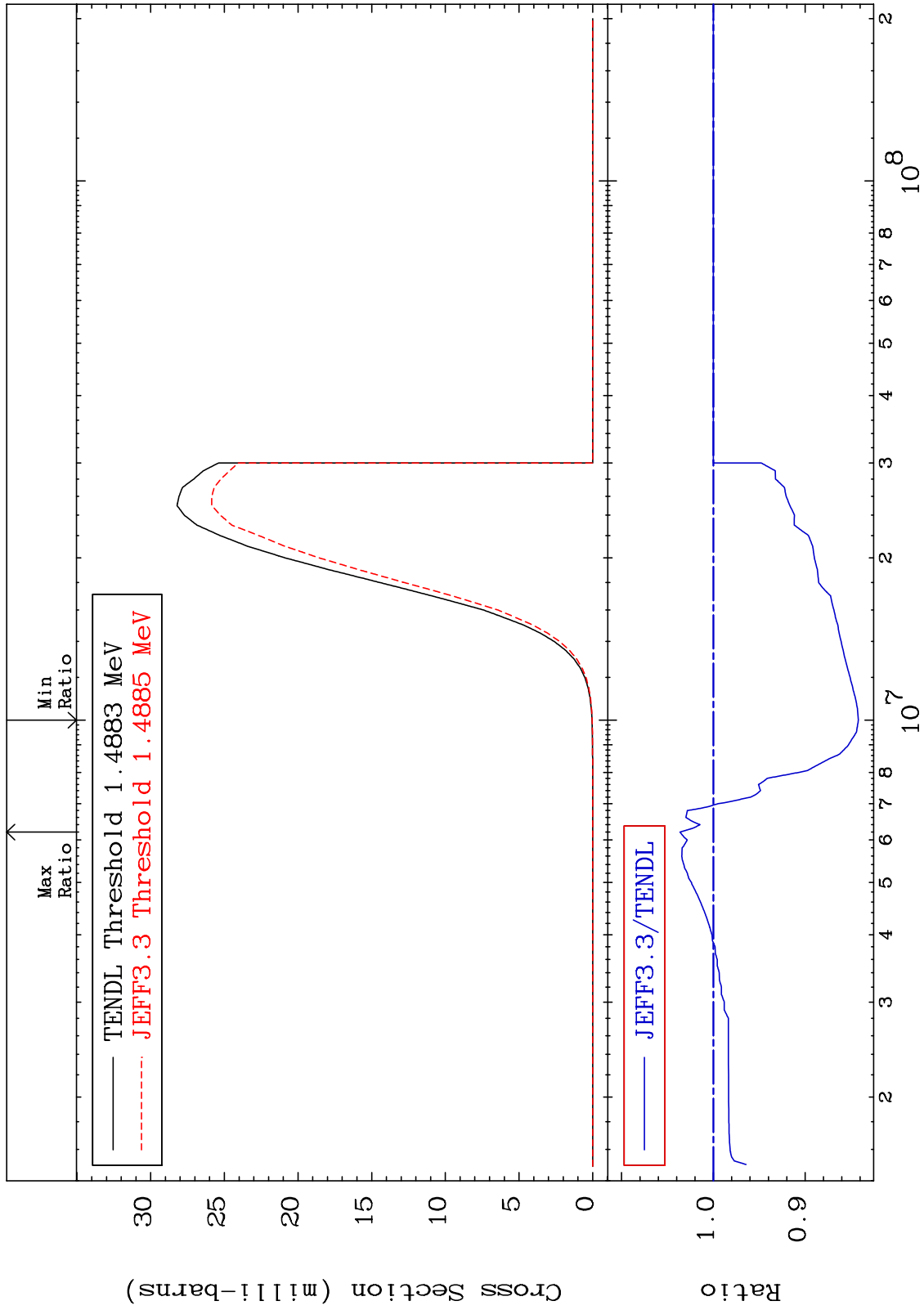
92

Incident Energy (MeV)

80-Hg-200

MAT 8037

(n,p):79-Au-200g 80-Hg-200
Radionuclide Production Cross Section -15.81 To 3.632 %



93

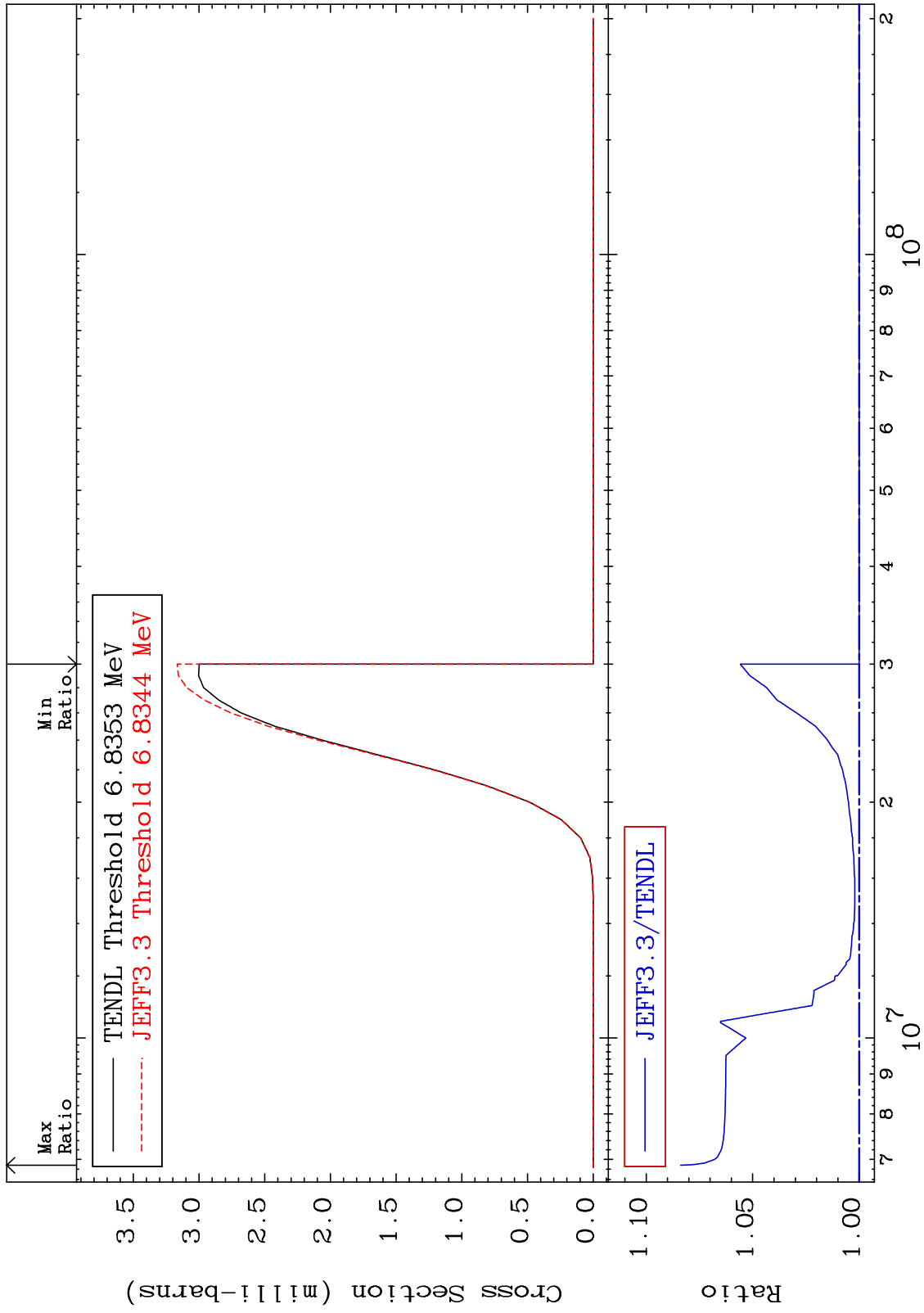
Incident Energy (eV) 80-Hg-200

MAT 8037

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

80-Hg-200

Radionuclide Production Cross Section 0.000 To 8.383 %

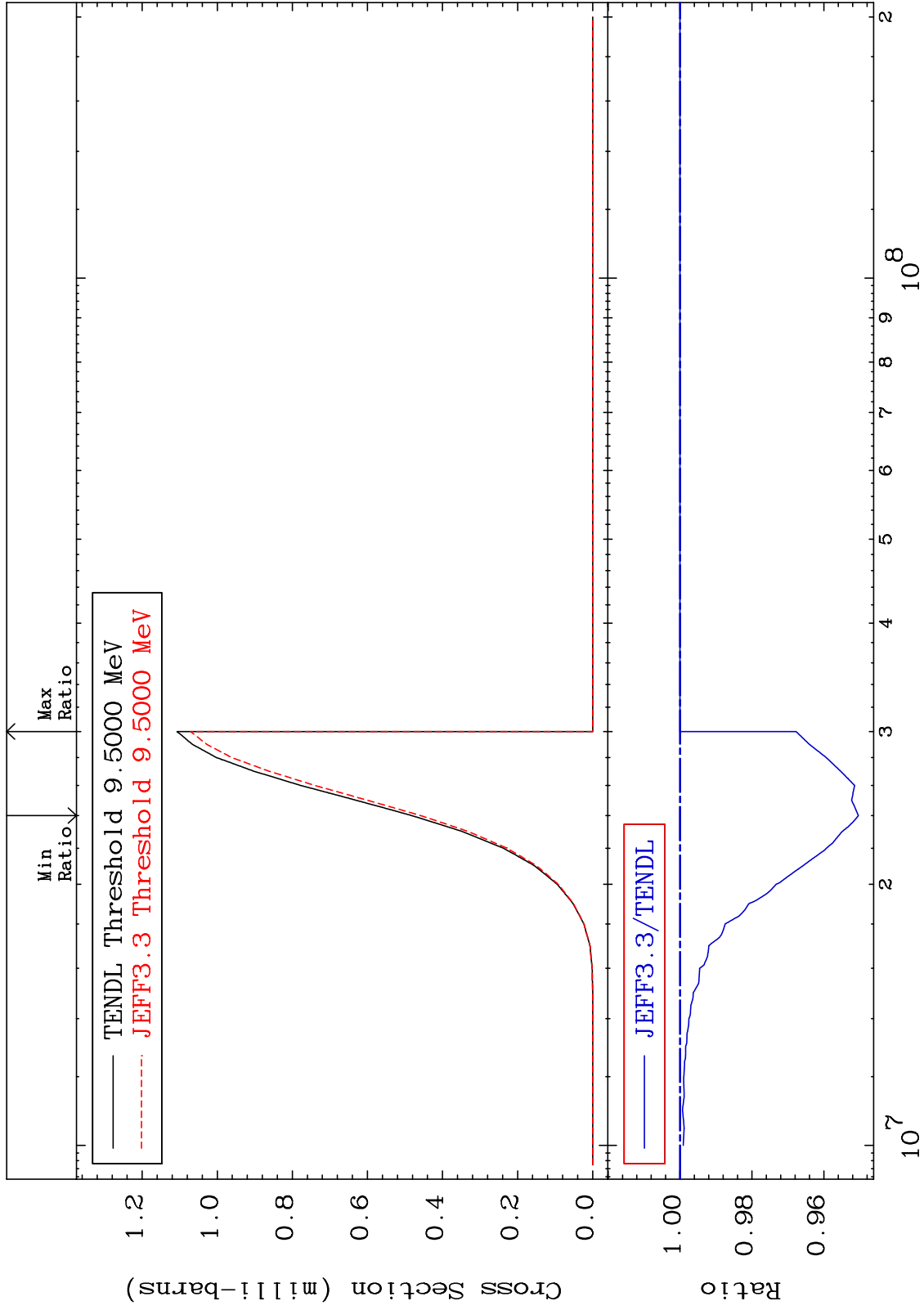


MAT 8037

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

80-Hg-200

Radionuclide Production Cross Section -4.961 To 0.000 %



95

Incident Energy (eV)

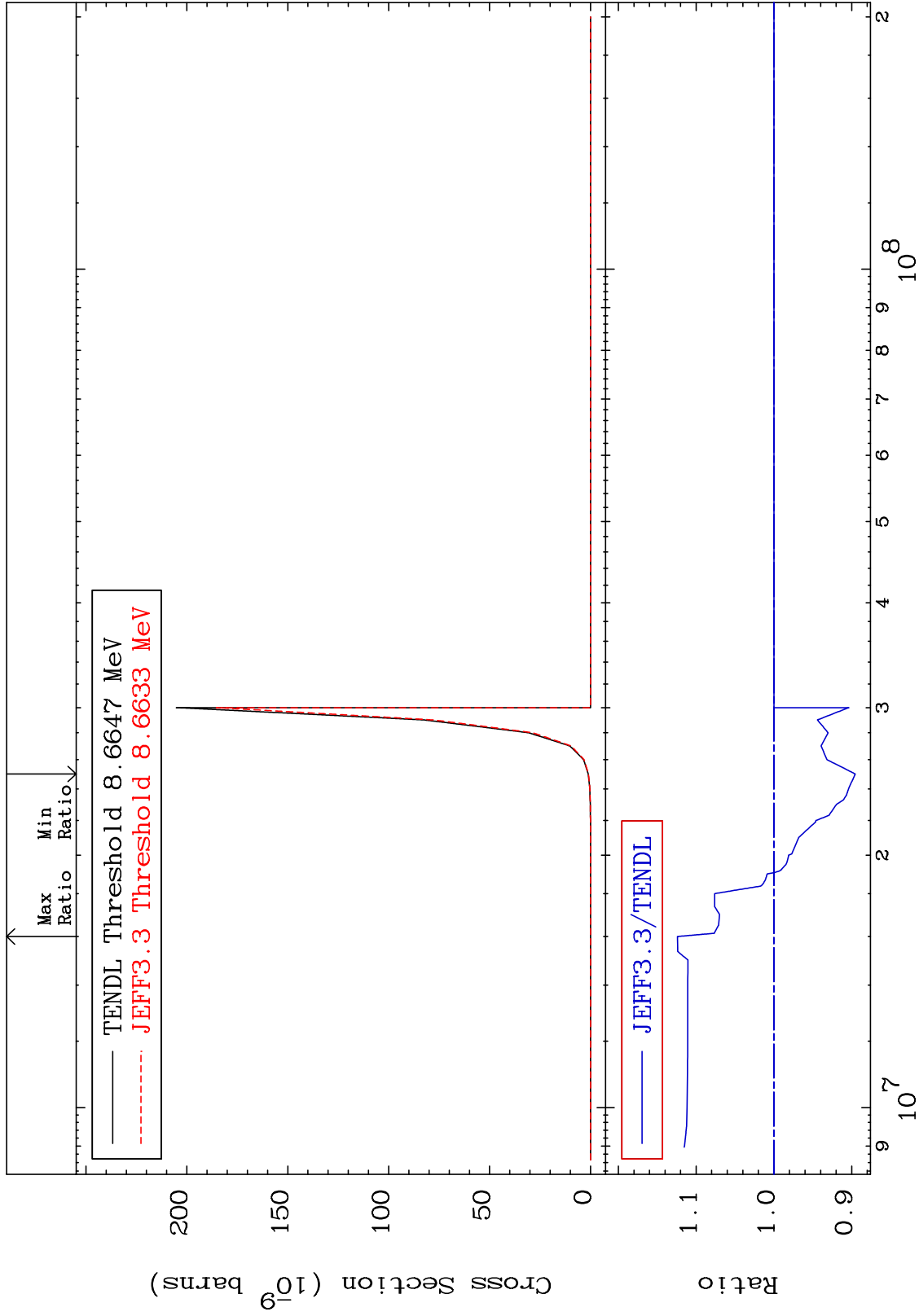
80-Hg-200

MAT 8037

(n,2p) : 78-Pt-199g

80-Hg-200

Radionuclide Production Cross Section -10.46 To 12.39 %



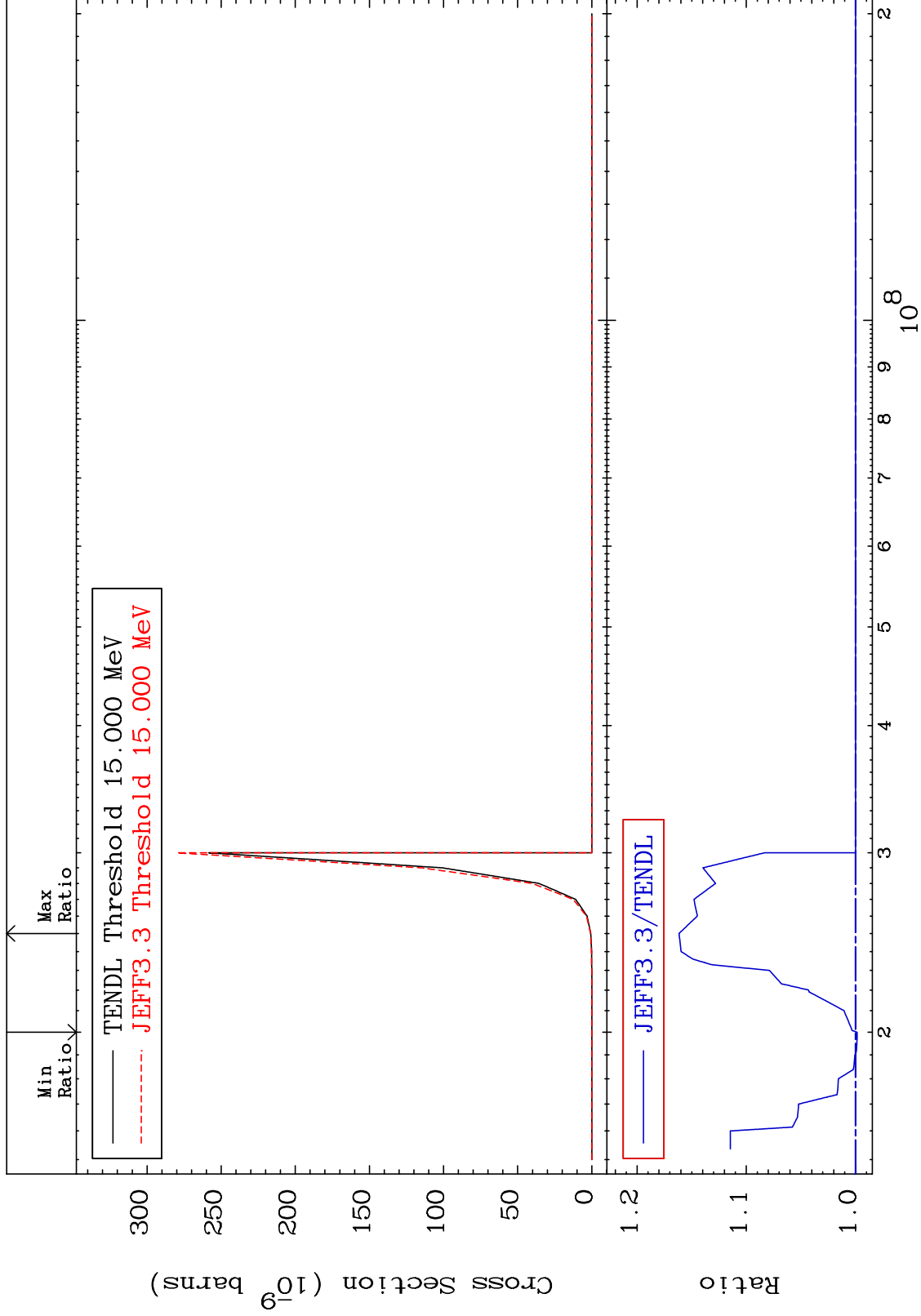
80-Hg-200

MAT 8037

(n,2p):78-Pt-199m8

80-Hg-200

Radionuclide Production Cross Section -0.146 To 16.16 %



97

Incident Energy (eV)

80-Hg-200

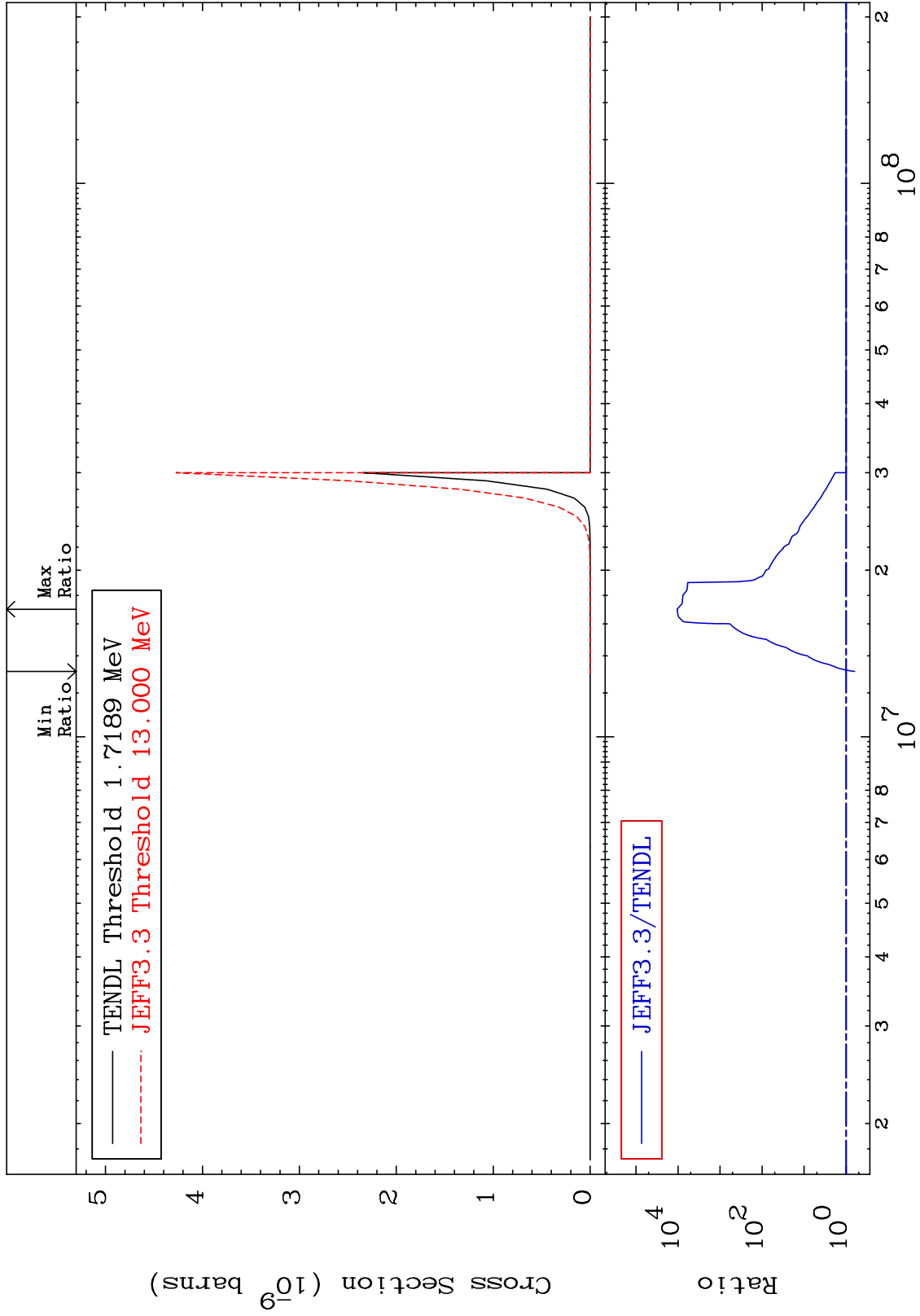
MAT 8037

(n, p) α : 77-Ir-196g

80-Hg-200

Radionuclide Production Cross Section

-37.32 To 9999. %



MAT 8037

(n, p) α : 77-Ir-196m4

80-Hg-200

Radionuclide Production Cross Section

-61.57 To 9999. %

