

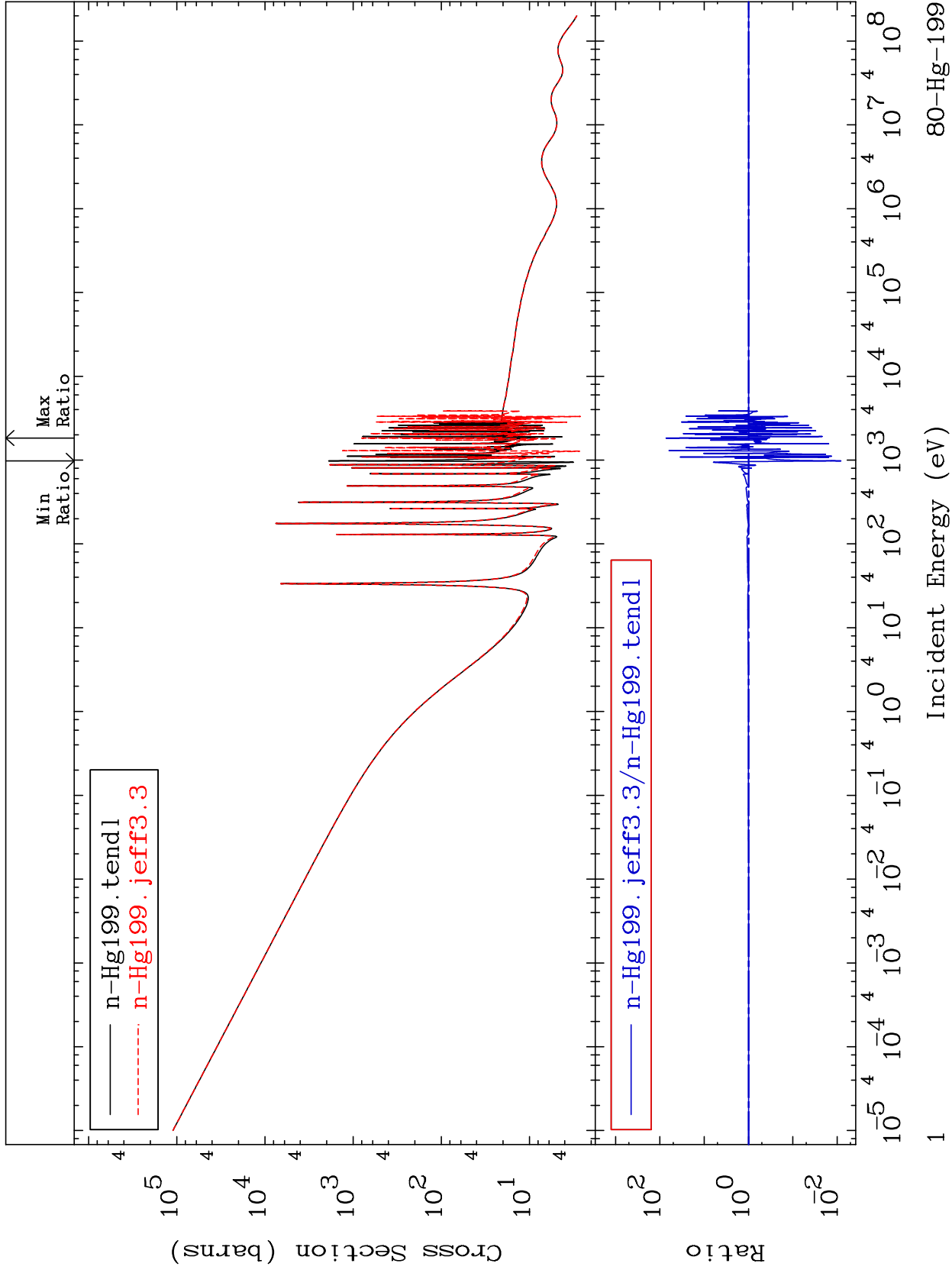
MAT 8034

Total

80-Hg-199

Cross Section

-99.18 To 7193. %

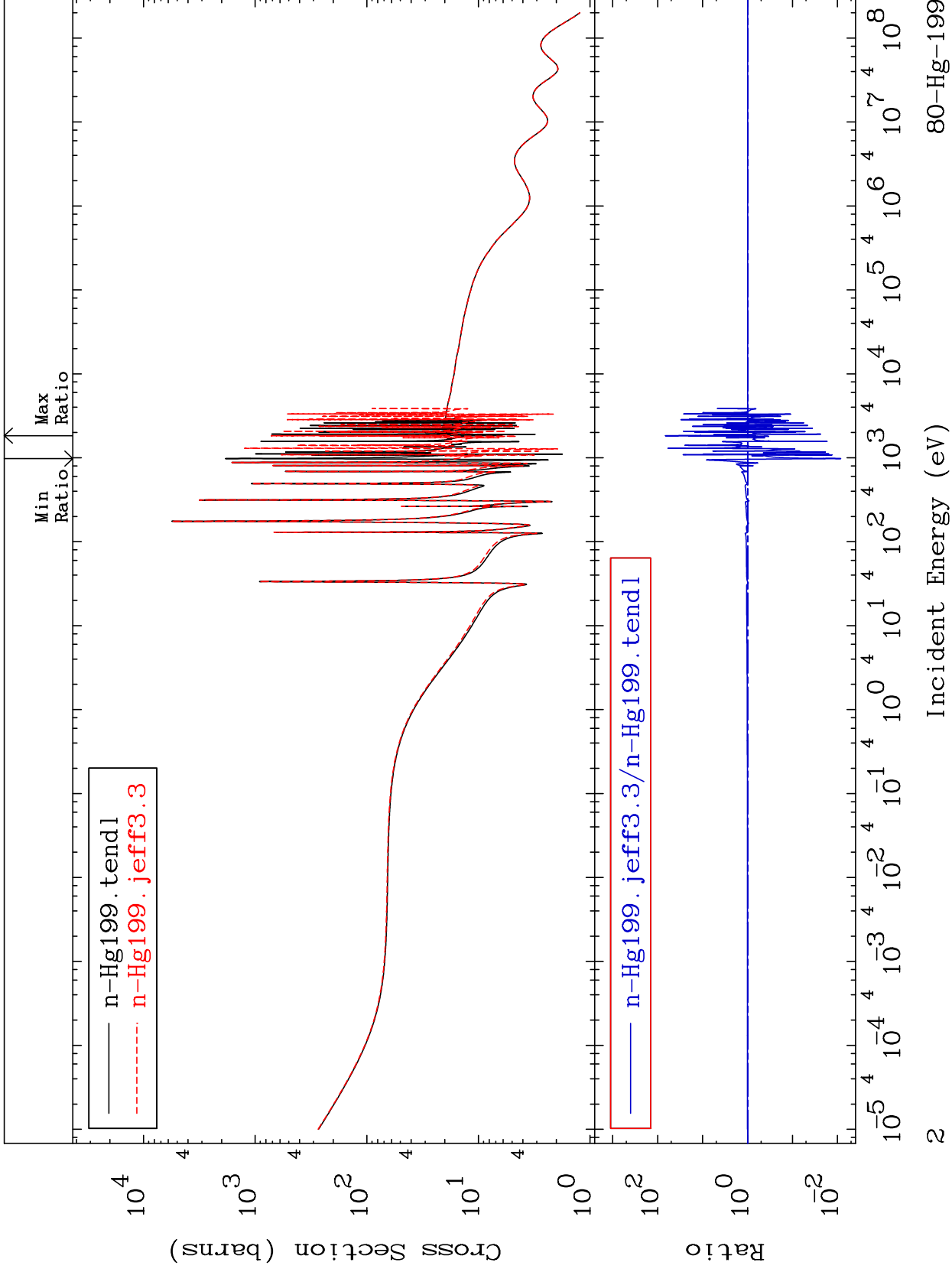


80-Hg-199

MAT 8034

Elastic
Cross Section

80-Hg-199
-99.15 To 6595. %



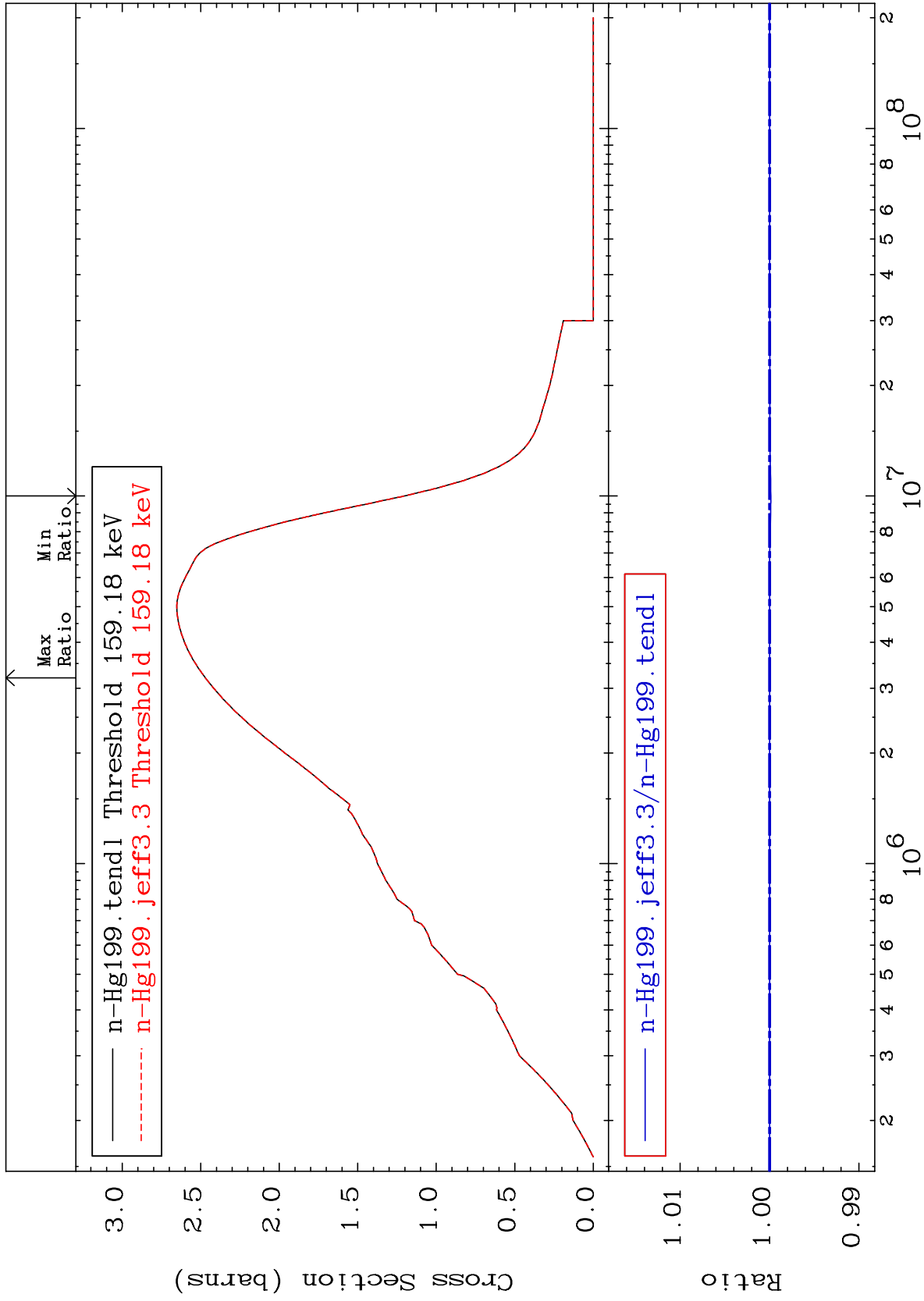
80-Hg-199

MAT 8034

80-Hg-199

Inelastic
Cross Section

-0.013 To 0.000 %



Incident Energy (eV)

80-Hg-199

3

MAT 8034

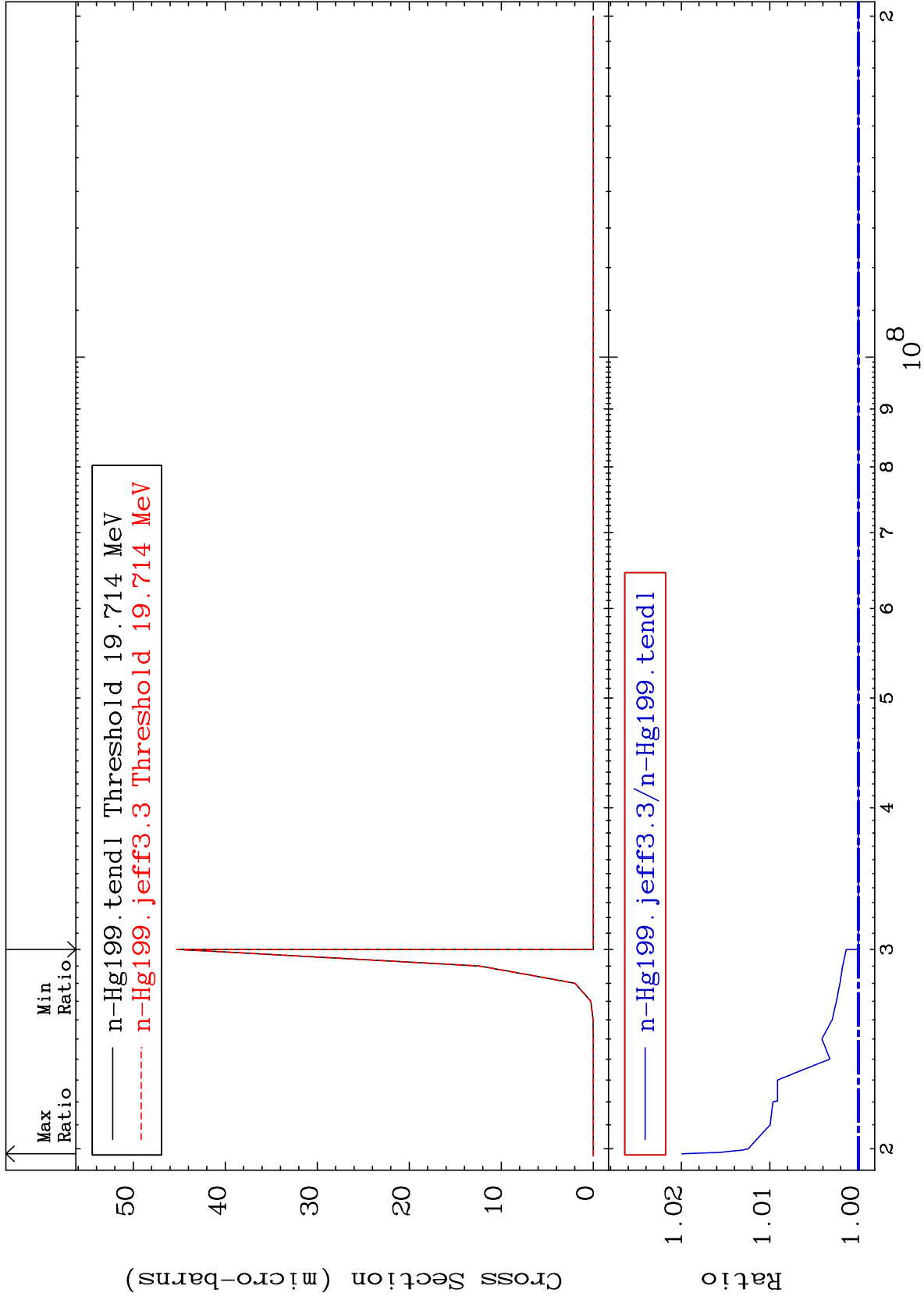
(n,2n) d

80-Hg-199

Cross Section

0.000

To 1.993 %



4

Incident Energy (eV)

80-Hg-199

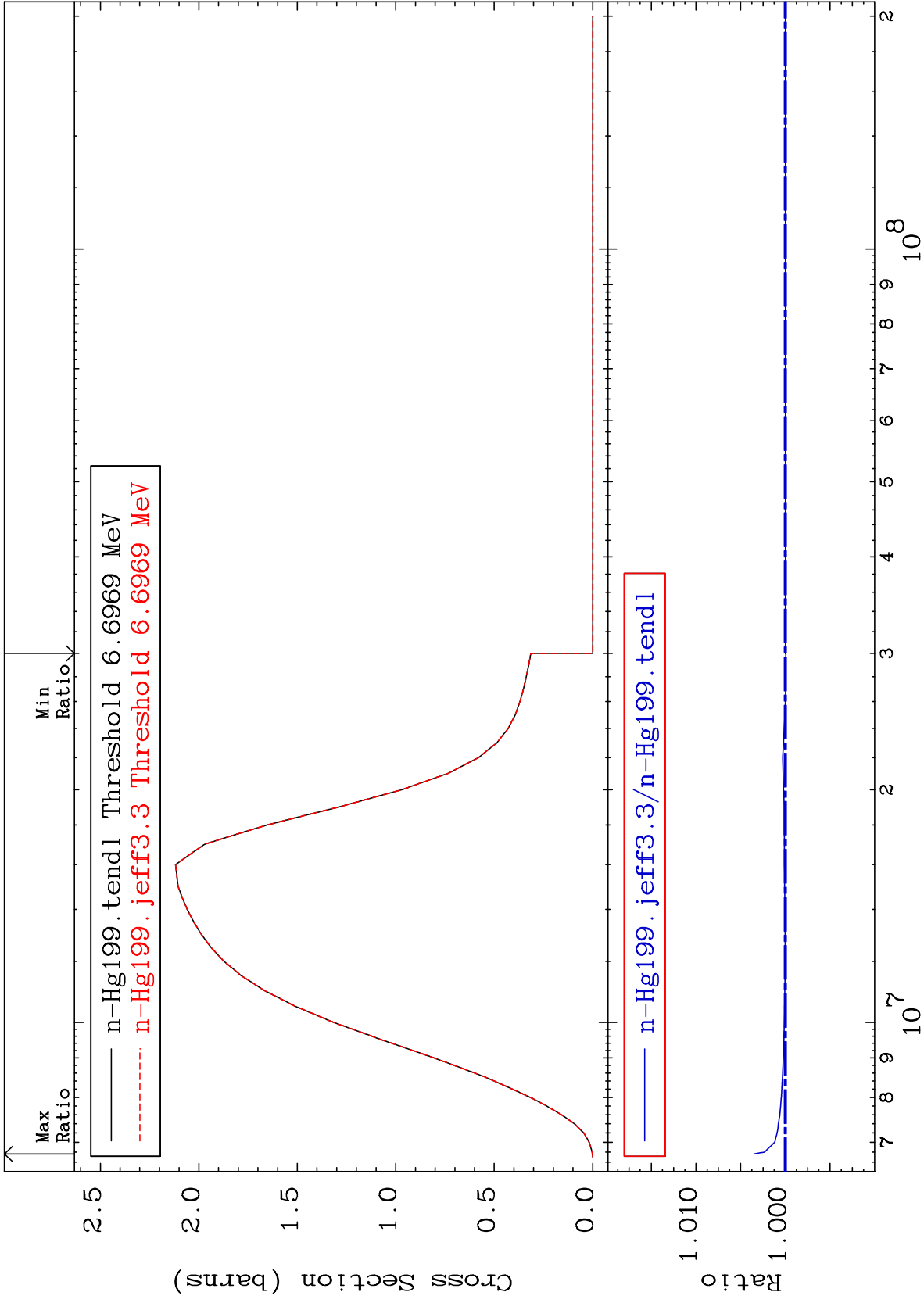
MAT 8034

(n,2n)

80-Hg-199

Cross Section

-0.005 To 0.351 %



MAT 8034

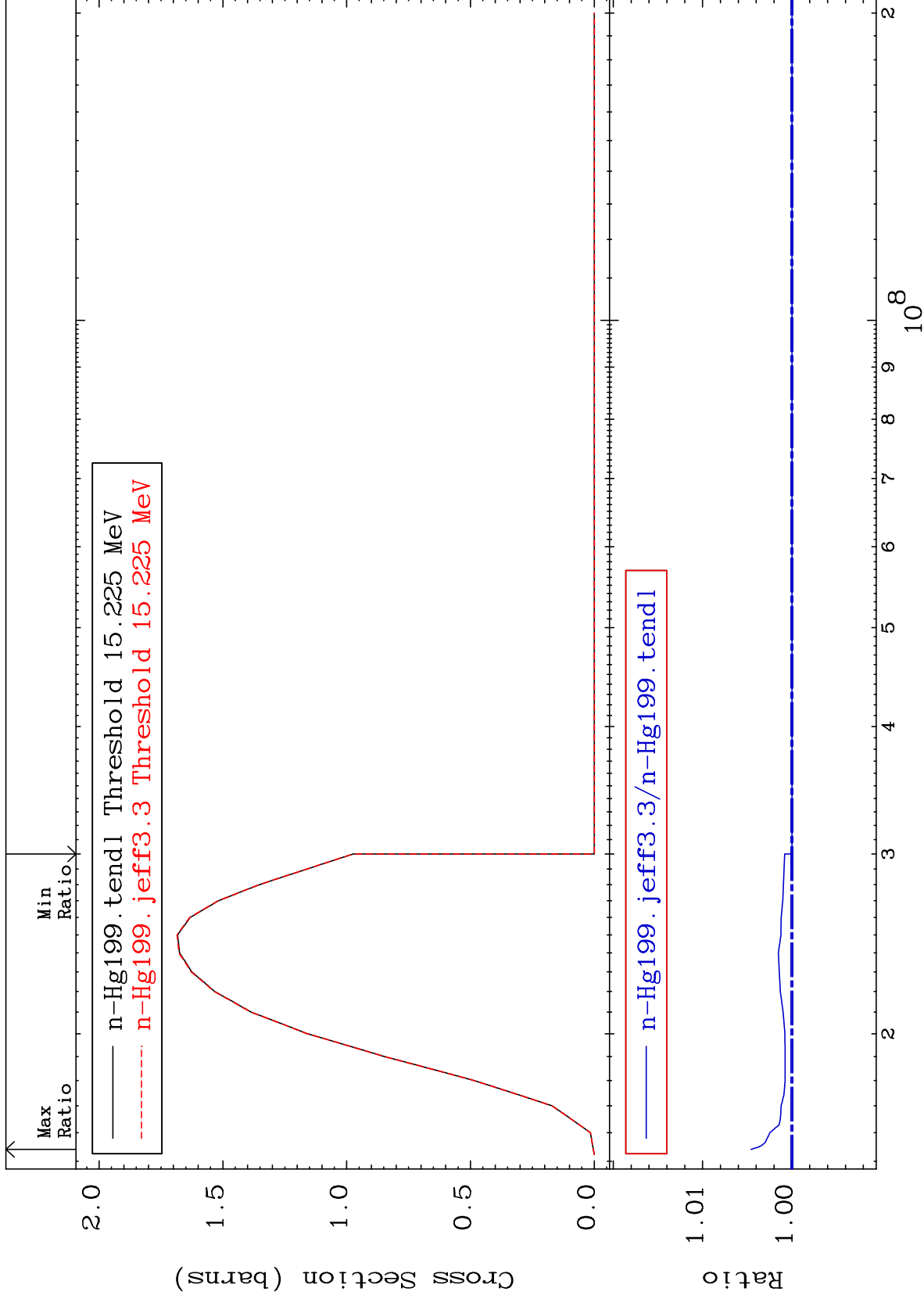
(n,3n)

80-Hg-199

Cross Section

0.000

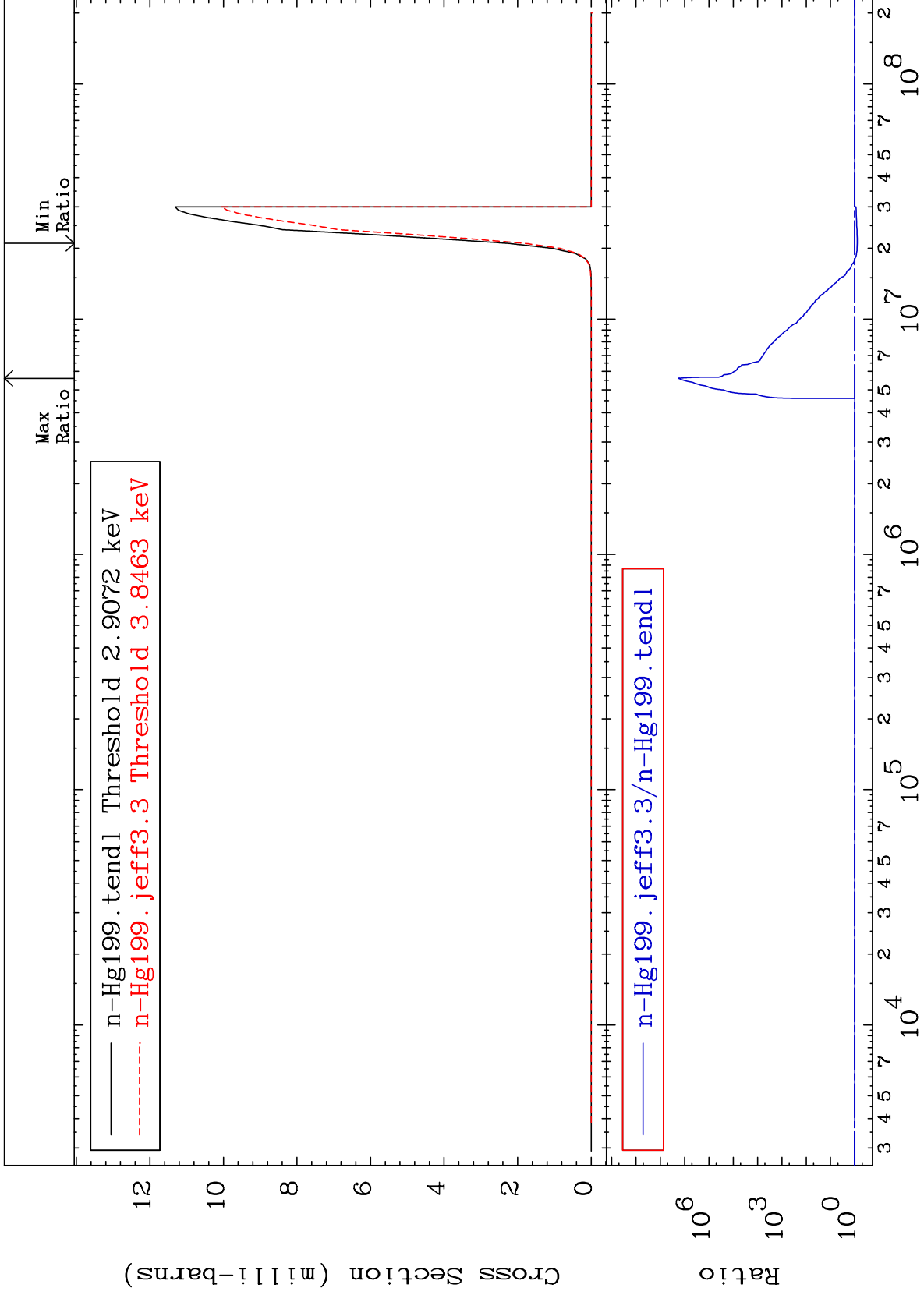
To 0.458 %



MAT 8034

$(n, n') \alpha$
Cross Section

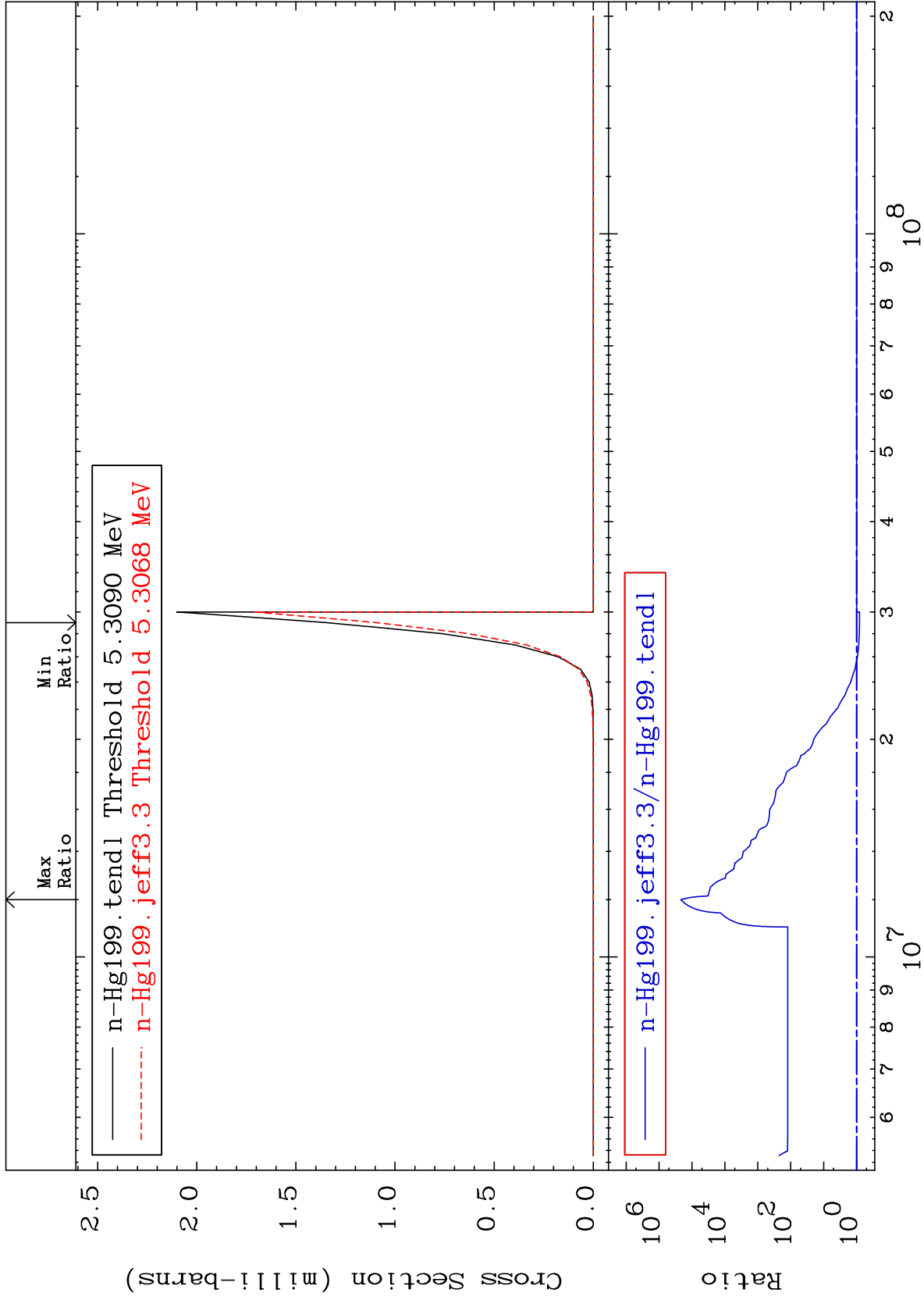
80-Hg-199
-20.39 To 9999. %



MAT 8034

(n,2n) α
Cross Section

80-Hg-199
-18.71 To 9999. %



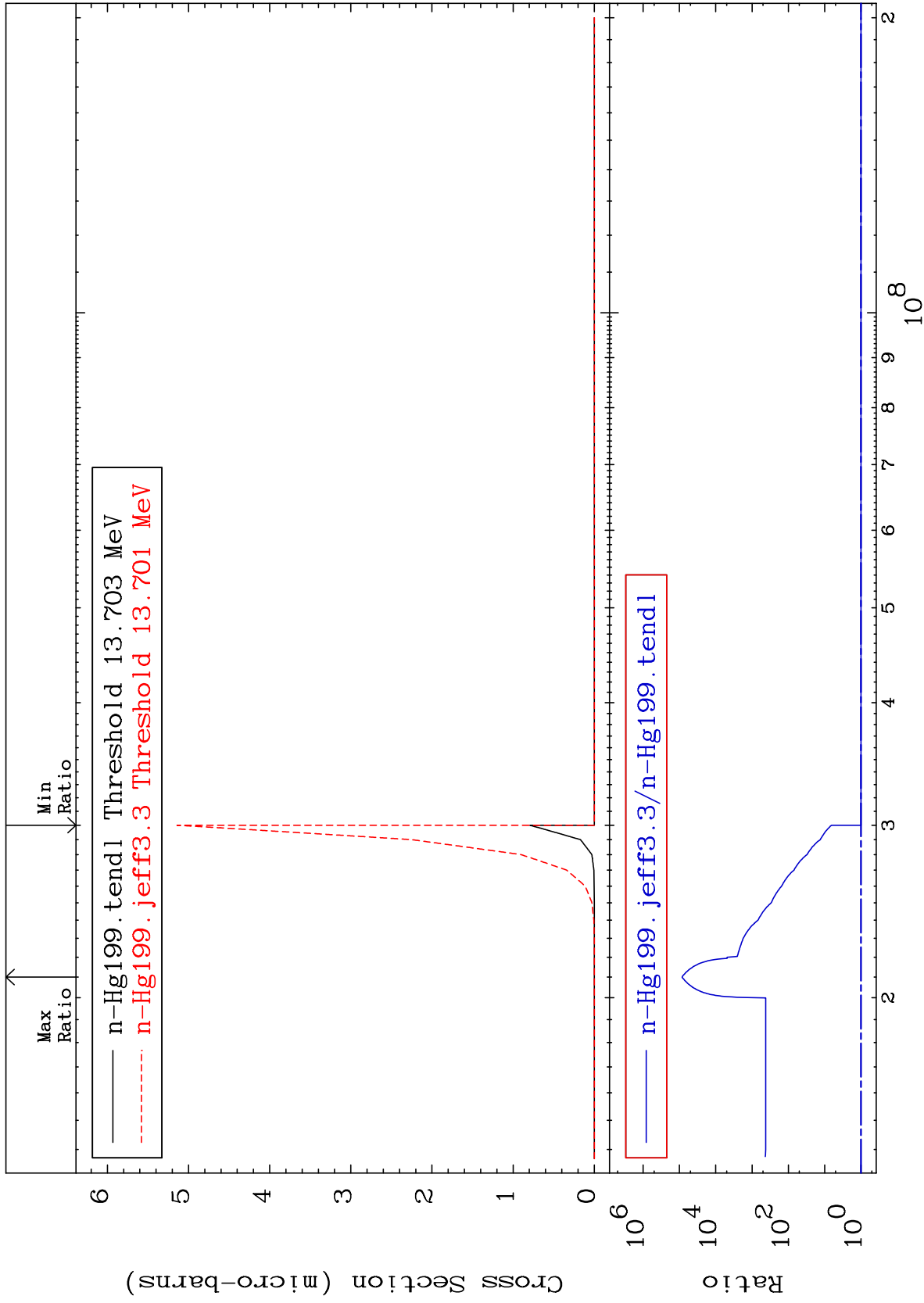
MAT 8034

(n,3n) α

80-Hg-199

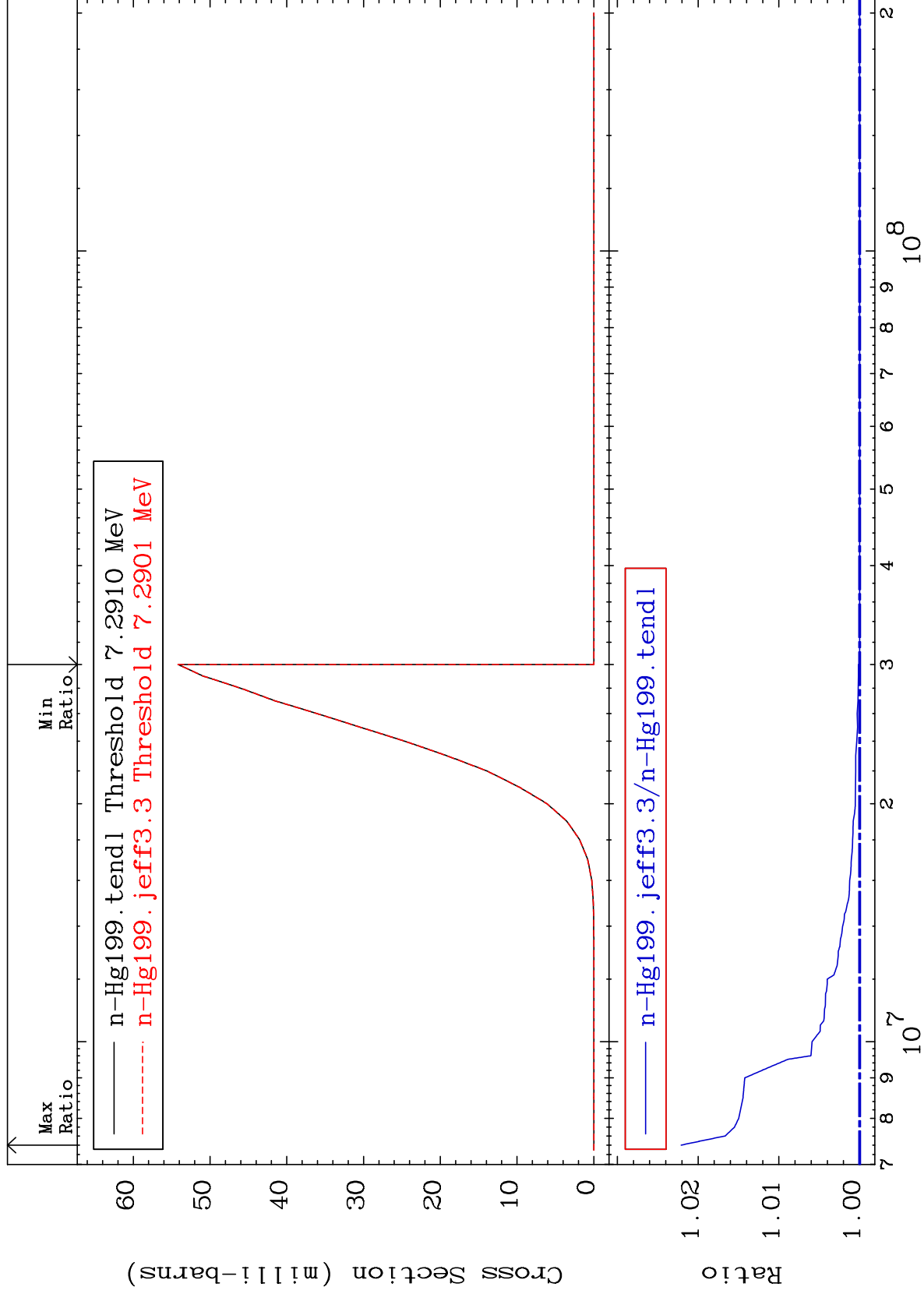
Cross Section

0.000 To 9999. %



MAT 8034

(n,n') p
Cross Section
80-Hg-199
To 2.210 %
0.000



MAT 8034

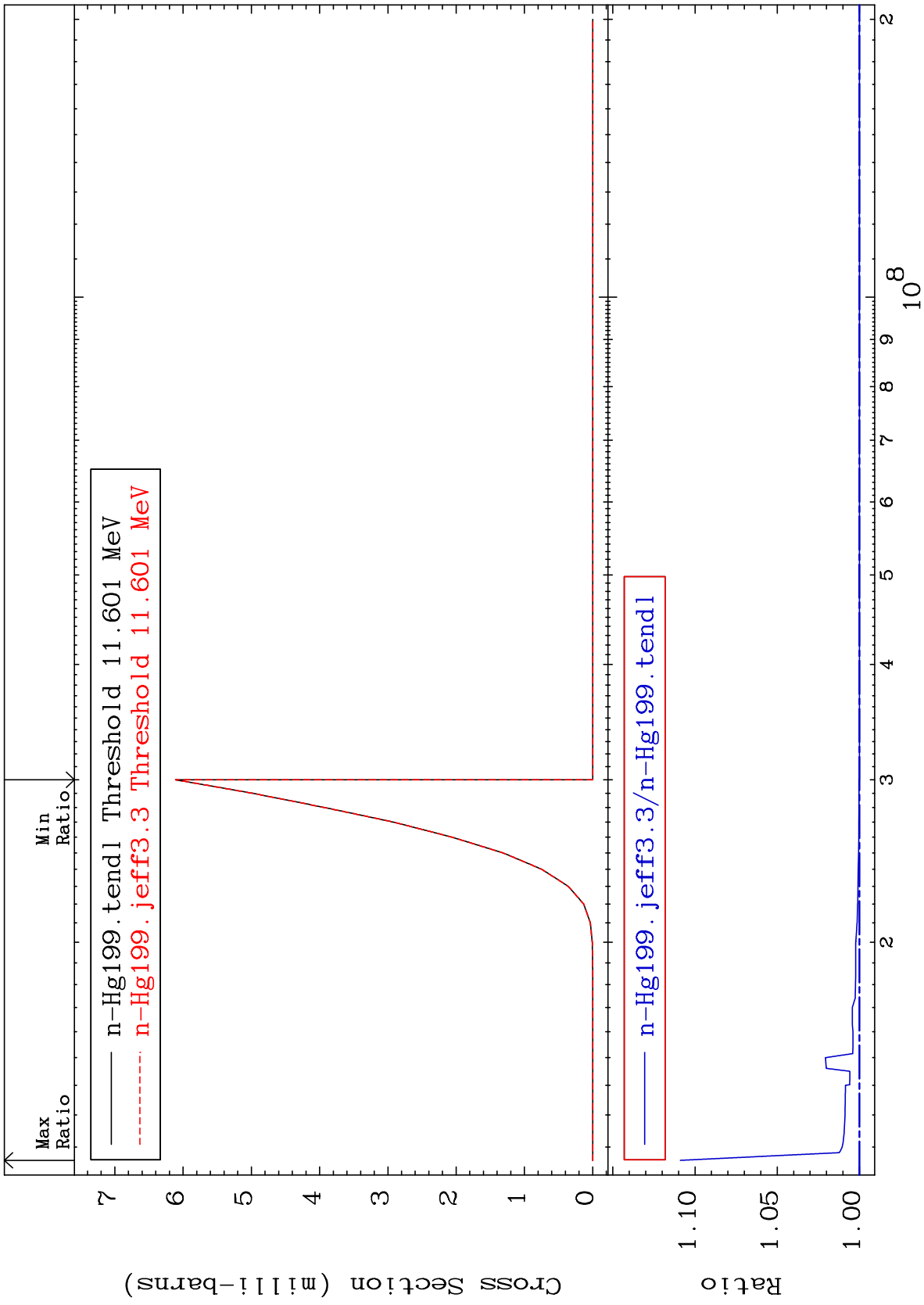
(n,n') d

80-Hg-199

Cross Section

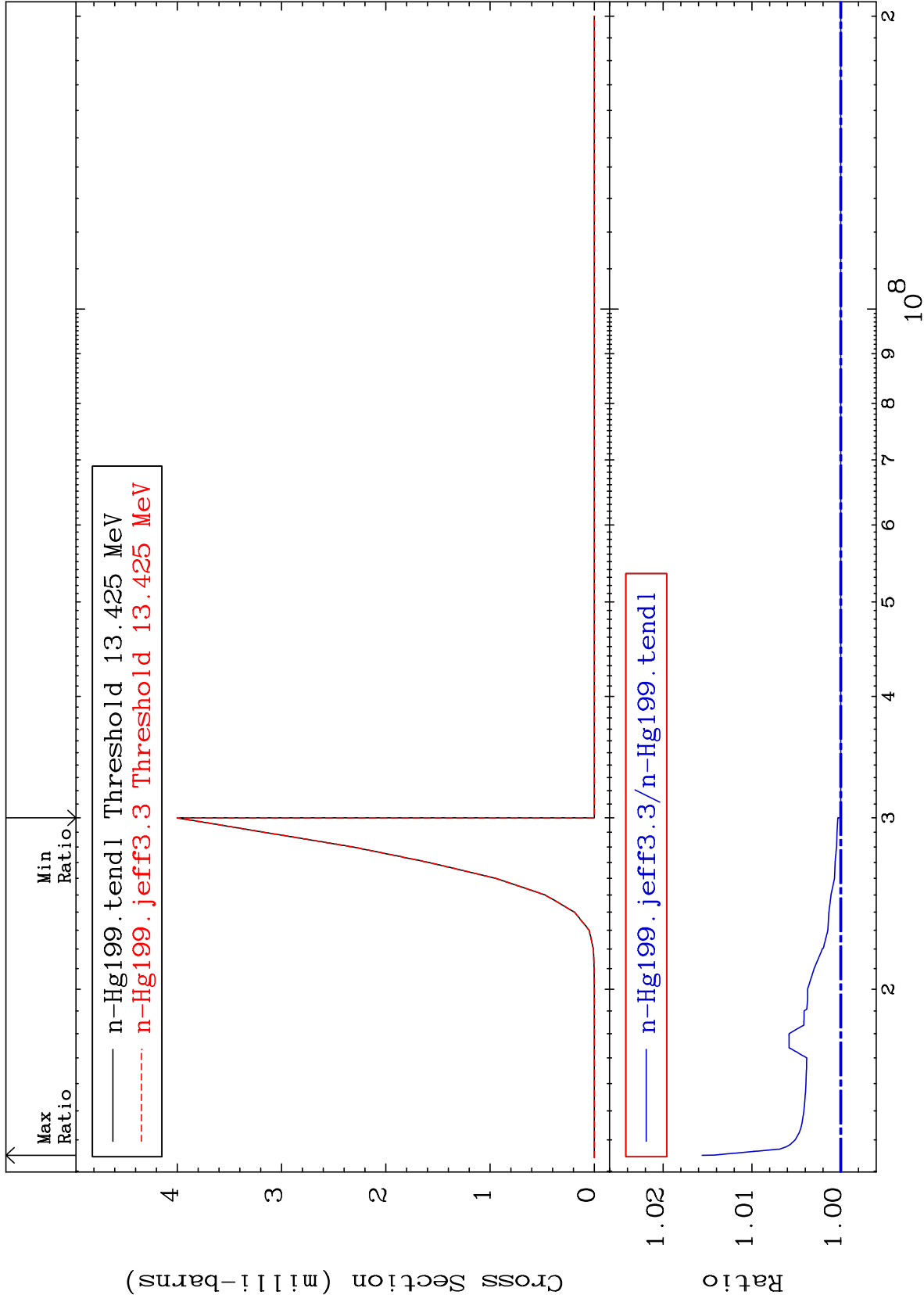
0.000

To 10.89 %



MAT 8034

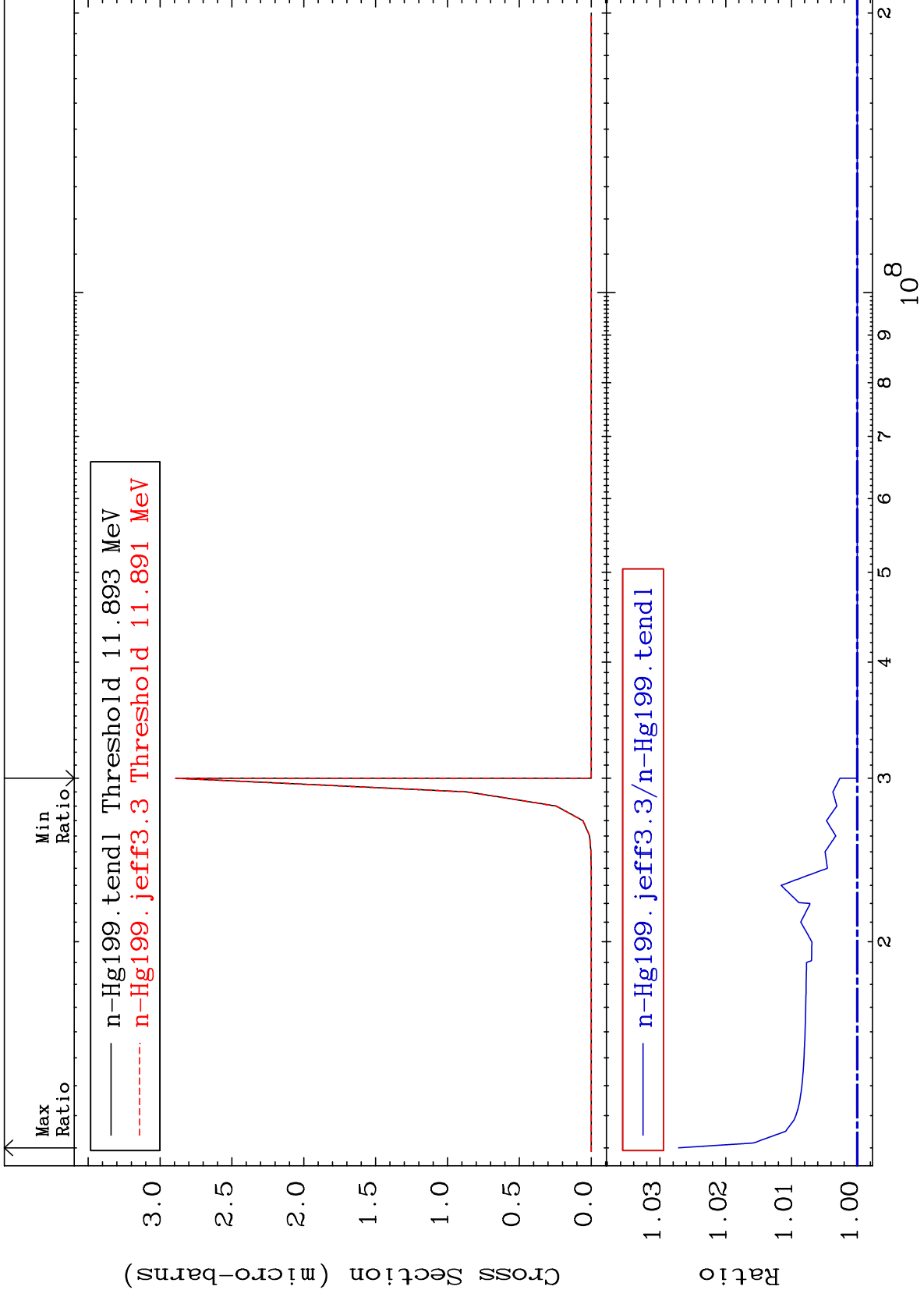
(n,n') t
Cross Section
80-Hg-199
To 1.560 %
0.000



MAT 8034

(n, n') He-3
Cross Section

80-Hg-199
To 2.716 %
0.000



MAT 8034

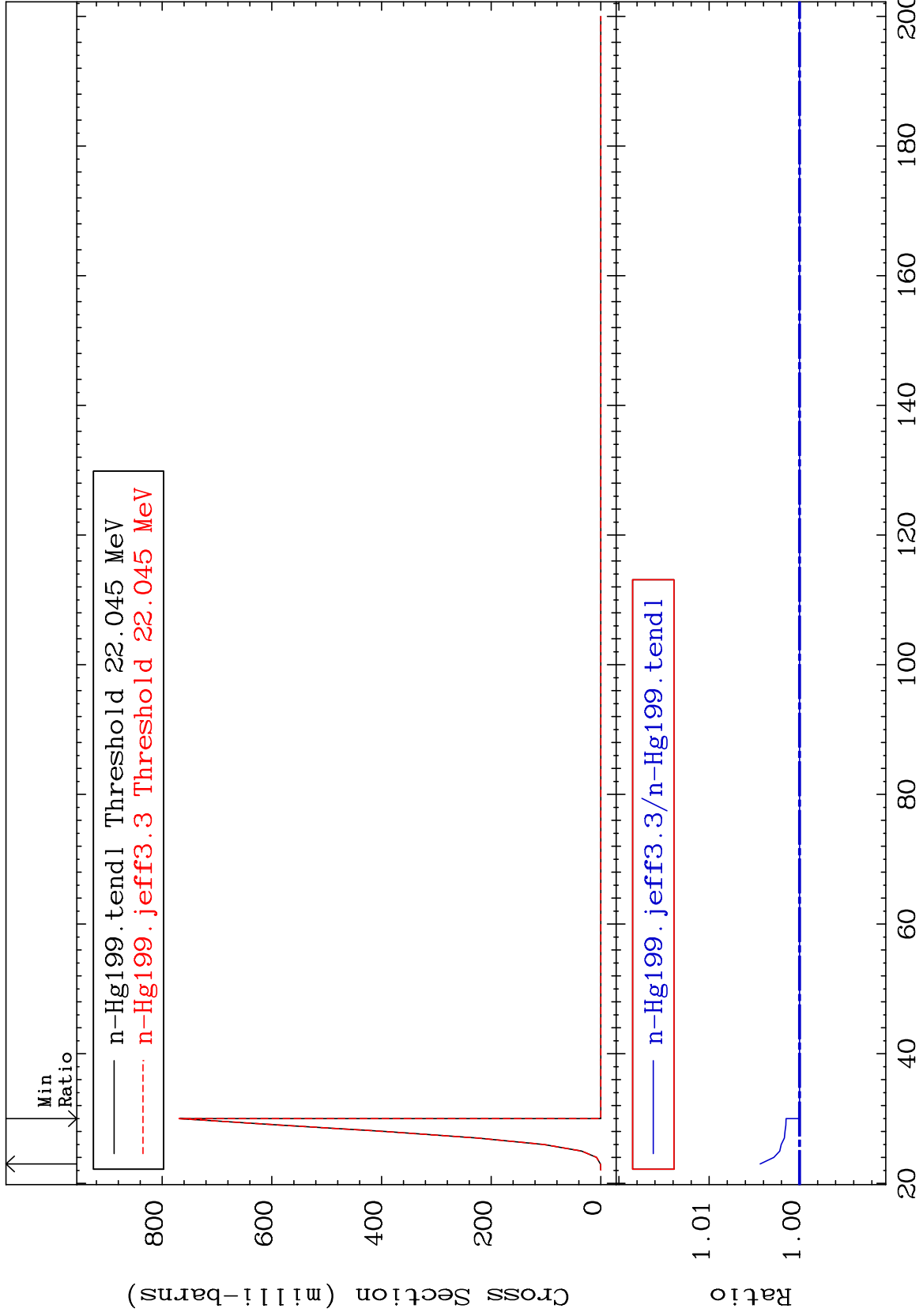
(n,4n)

80-Hg-199

Cross Section

0.000

To 0.436 %



14

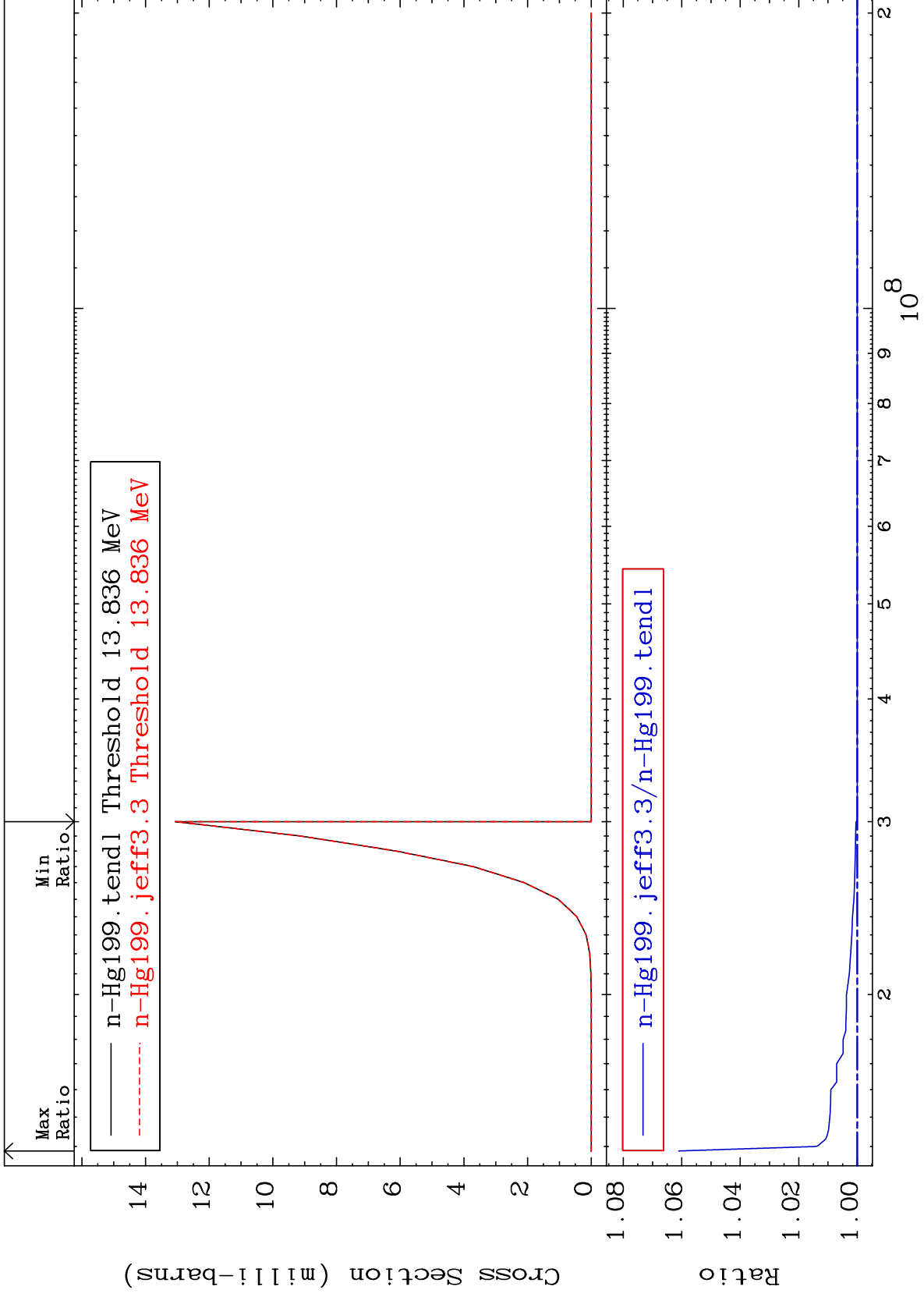
Incident Energy (MeV)

80-Hg-199

MAT 8034

(n,2n) p
Cross Section

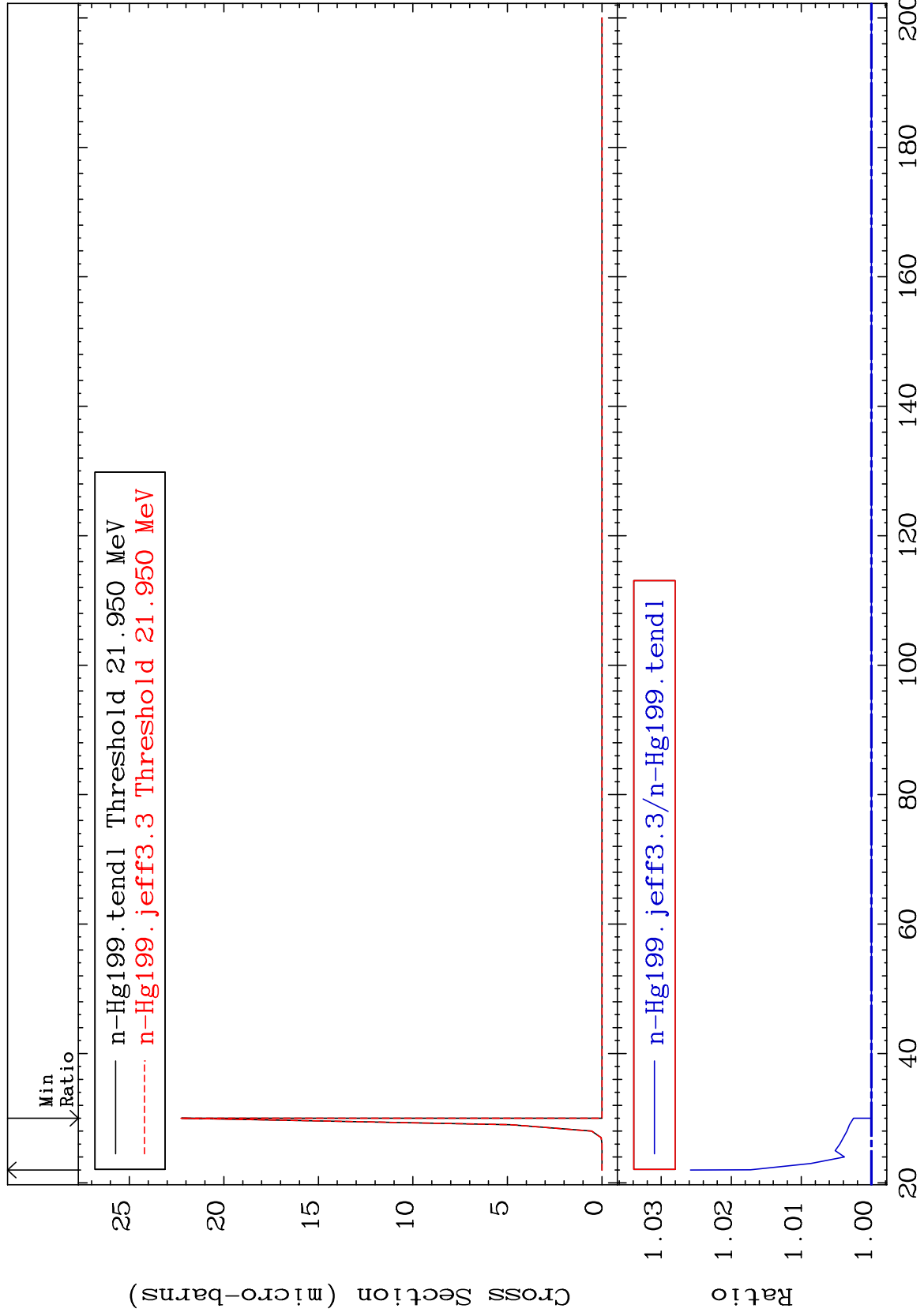
80-Hg-199
To 6.107 %



MAT 8034

(n,3n) p
Cross Section

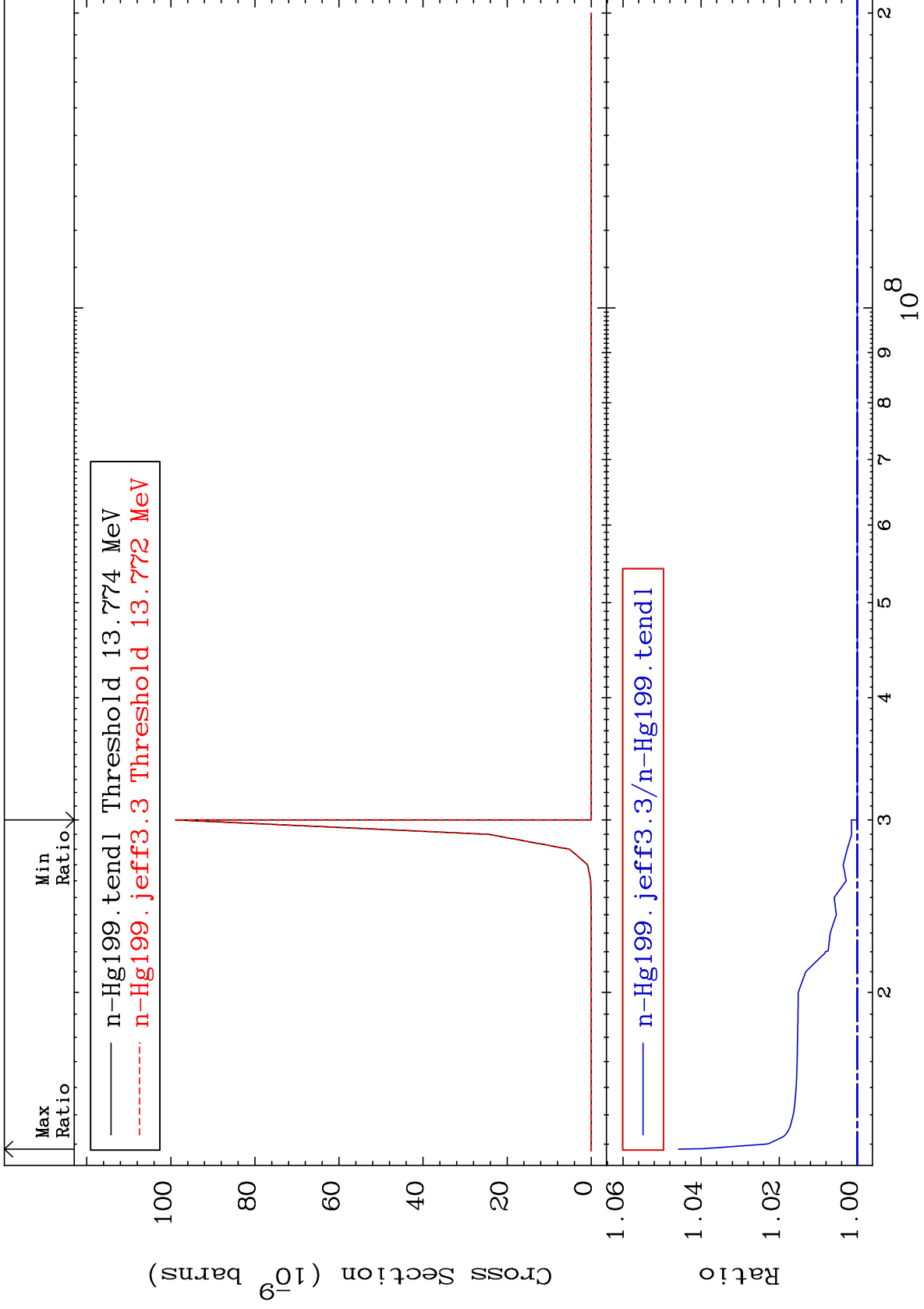
80-Hg-199
To 2.583 %
0.000



MAT 8034

(n,2n) p
Cross Section

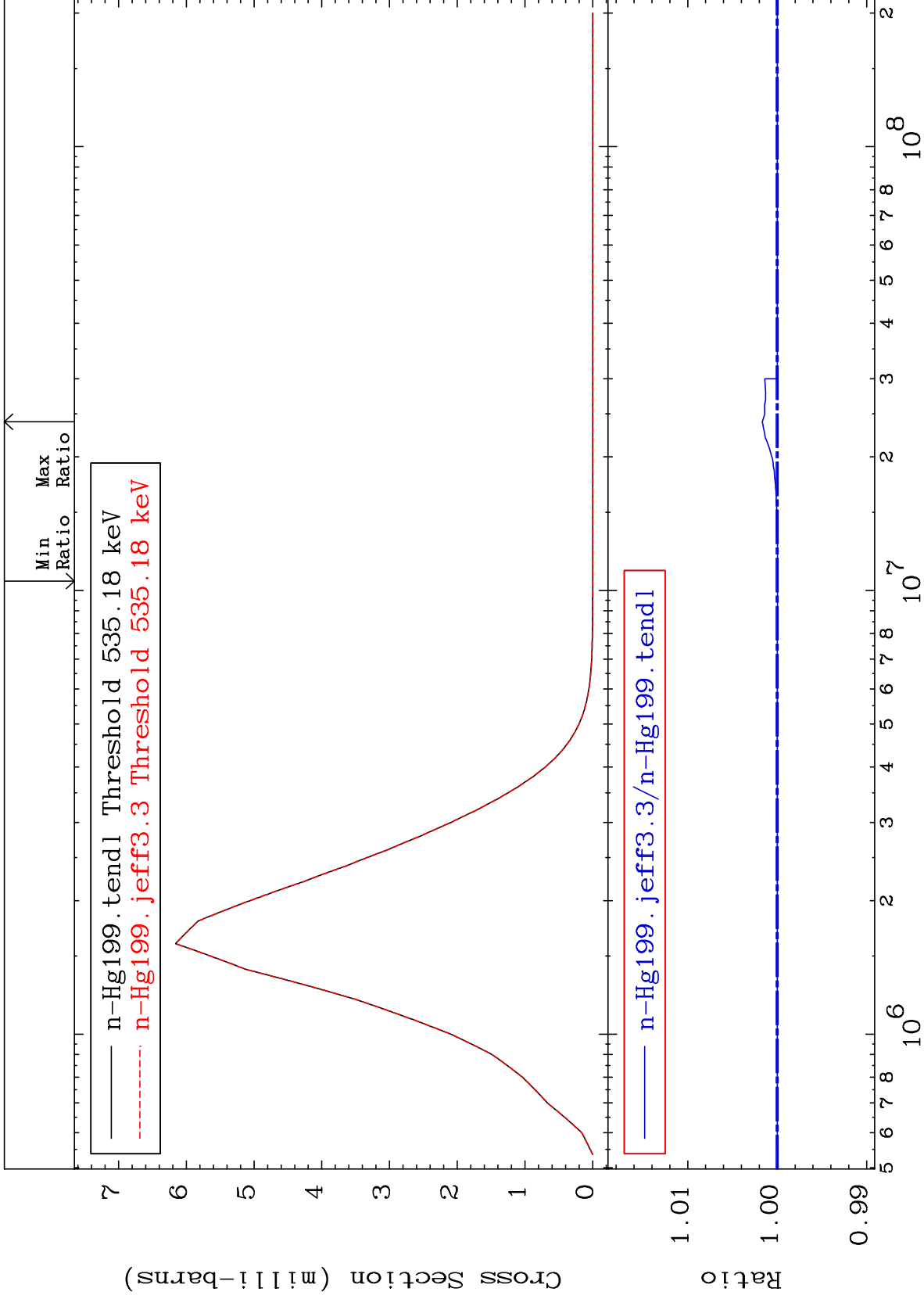
80-Hg-199
0.000 To 4.577 %



MAT 8034

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

80-Hg-199
-0.003 To 0.167 %



18

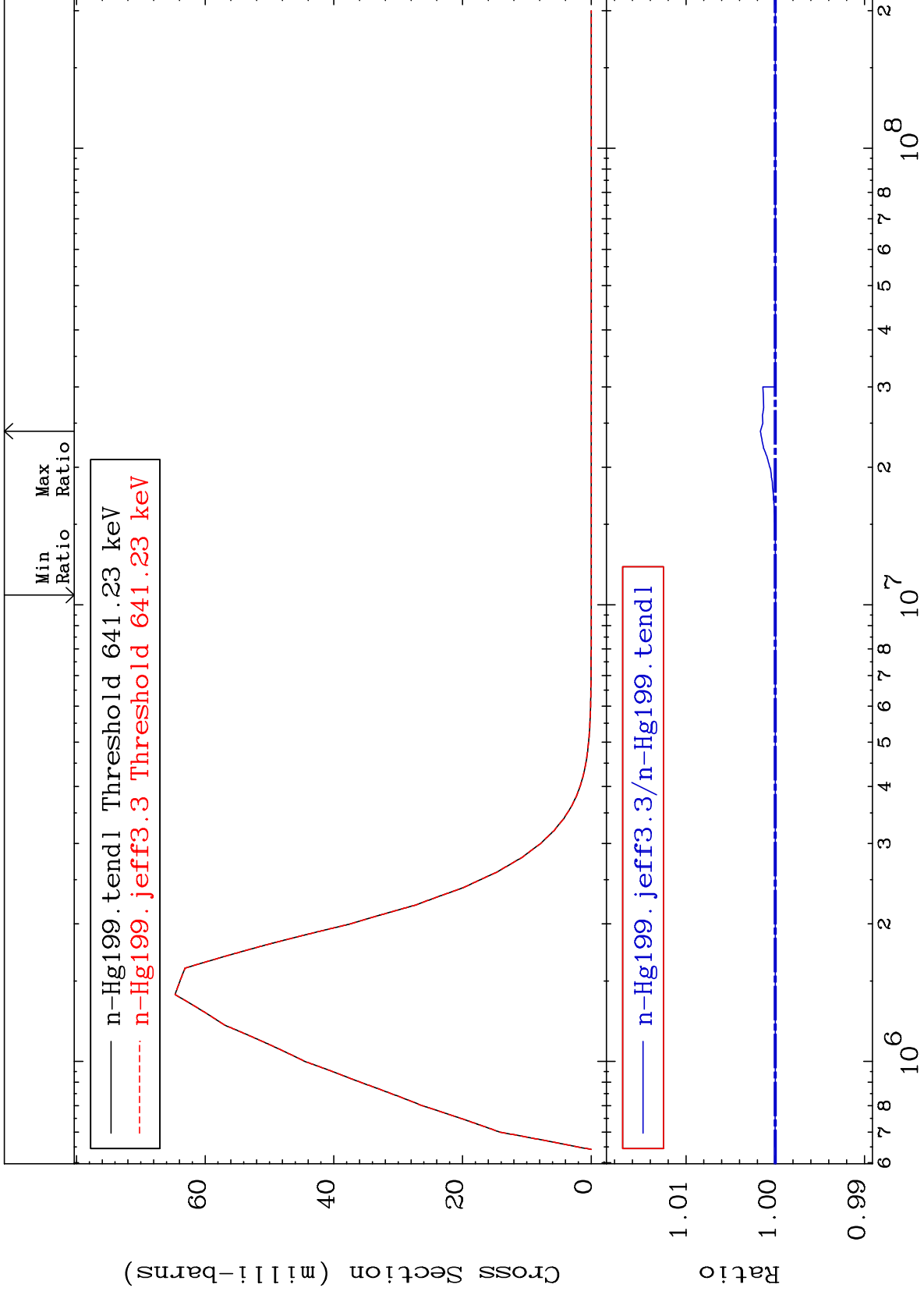
Incident Energy (eV)

80-Hg-199

MAT 8034

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

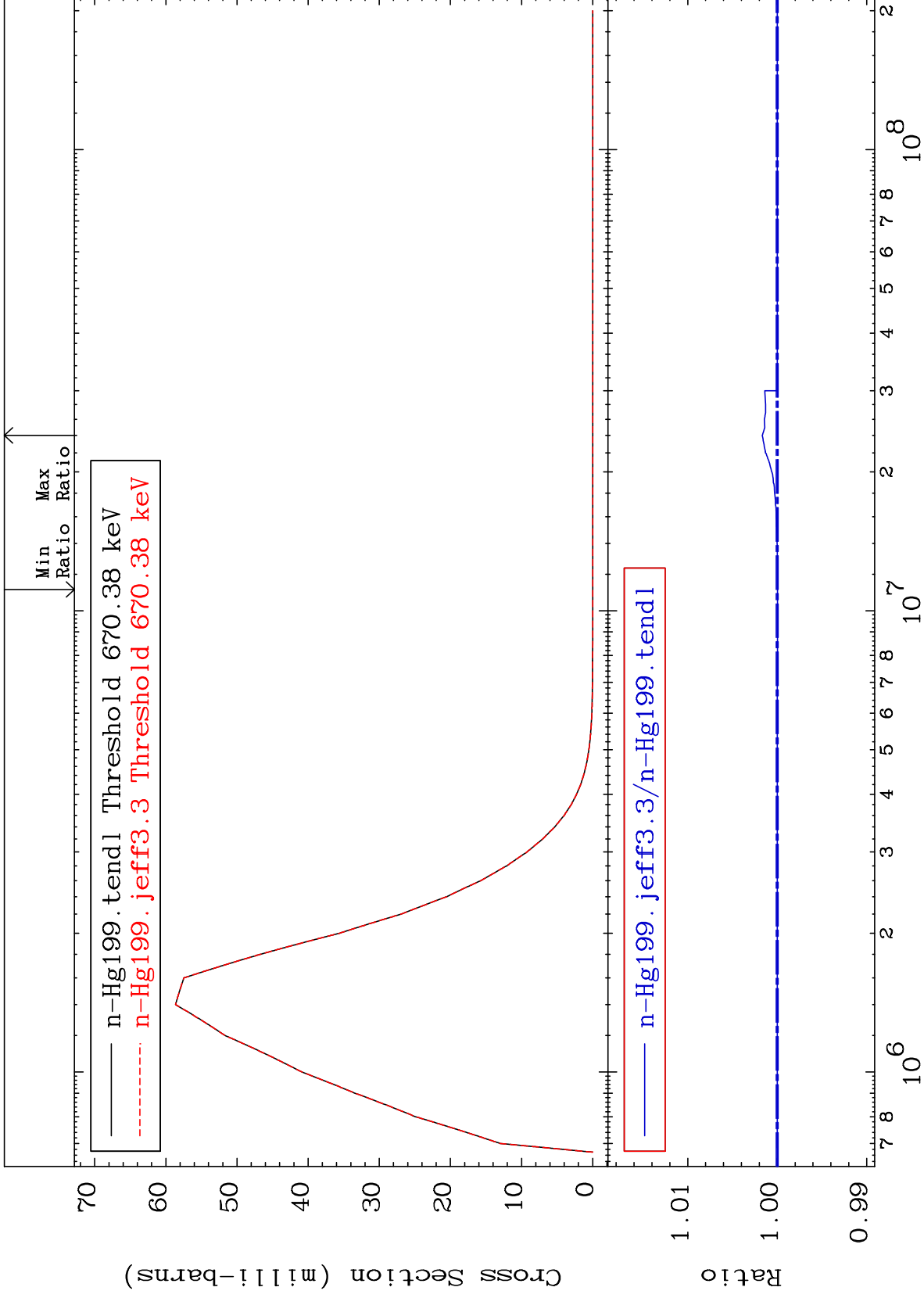
80-Hg-199
-0.004 To 0.167 %



MAT 8034

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

80-Hg-199
-0.003 To 0.167 %



20

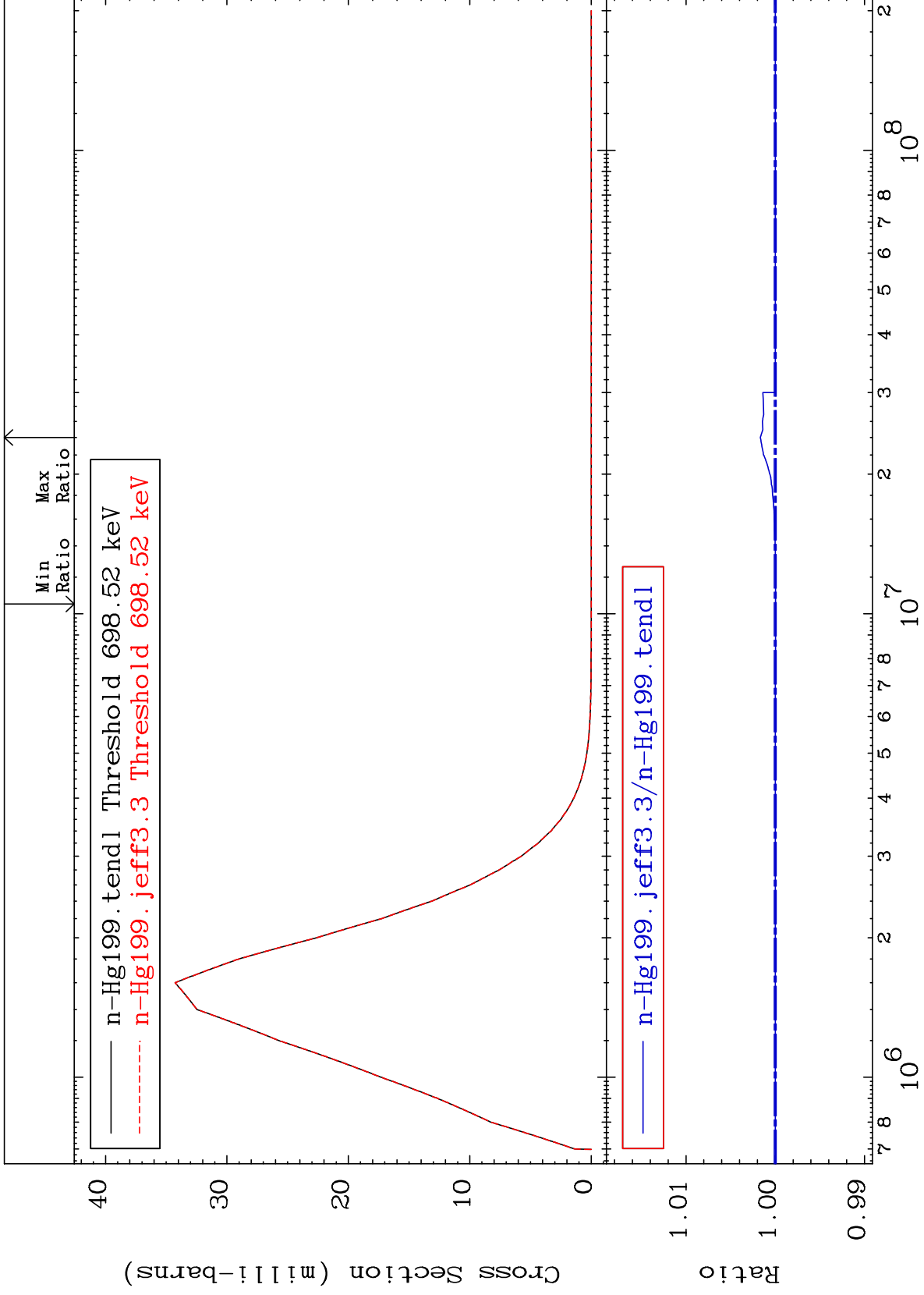
Incident Energy (eV)

80-Hg-199

MAT 8034

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

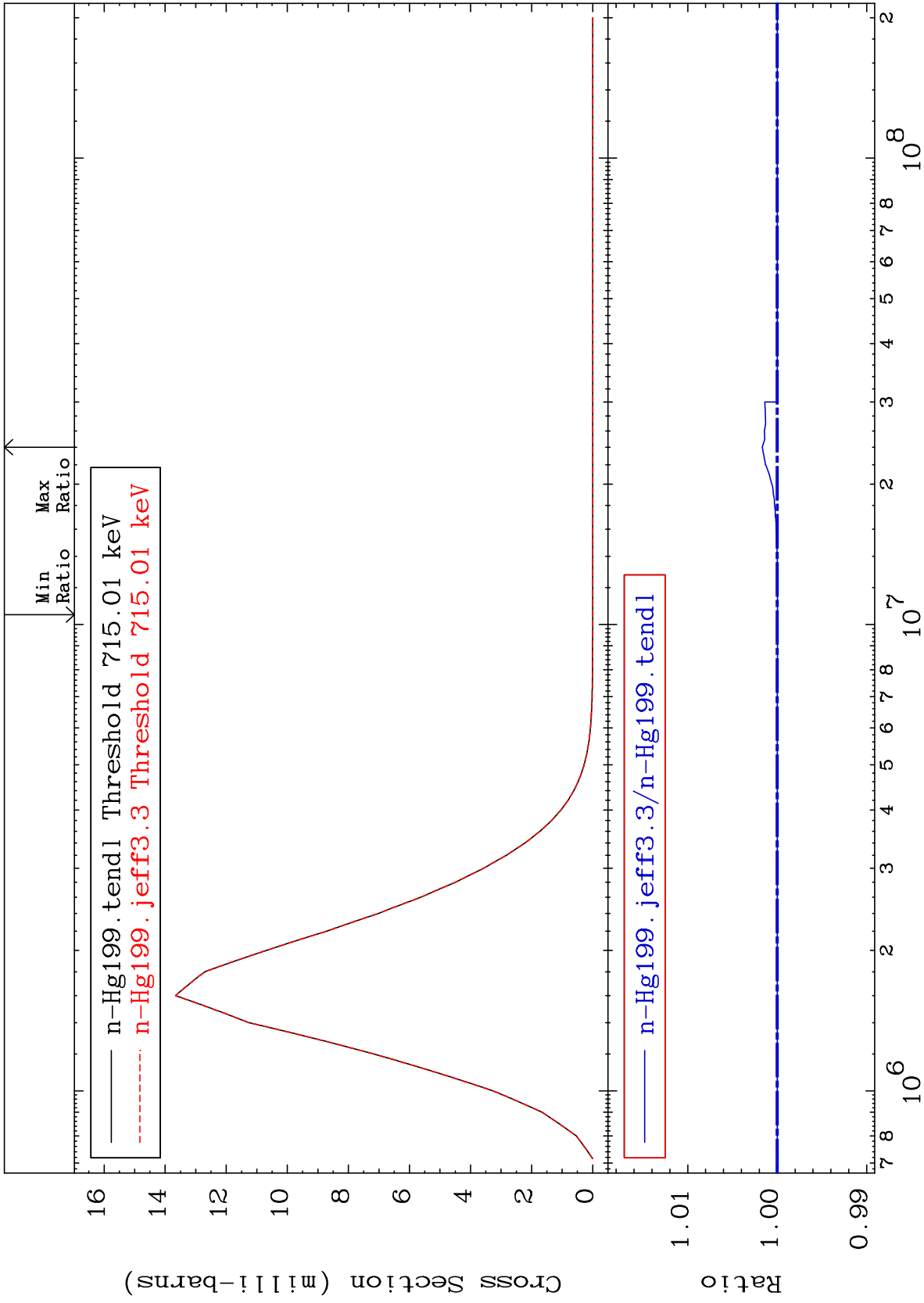
80-Hg-199
-0.003 To 0.167 %



MAT 8034

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

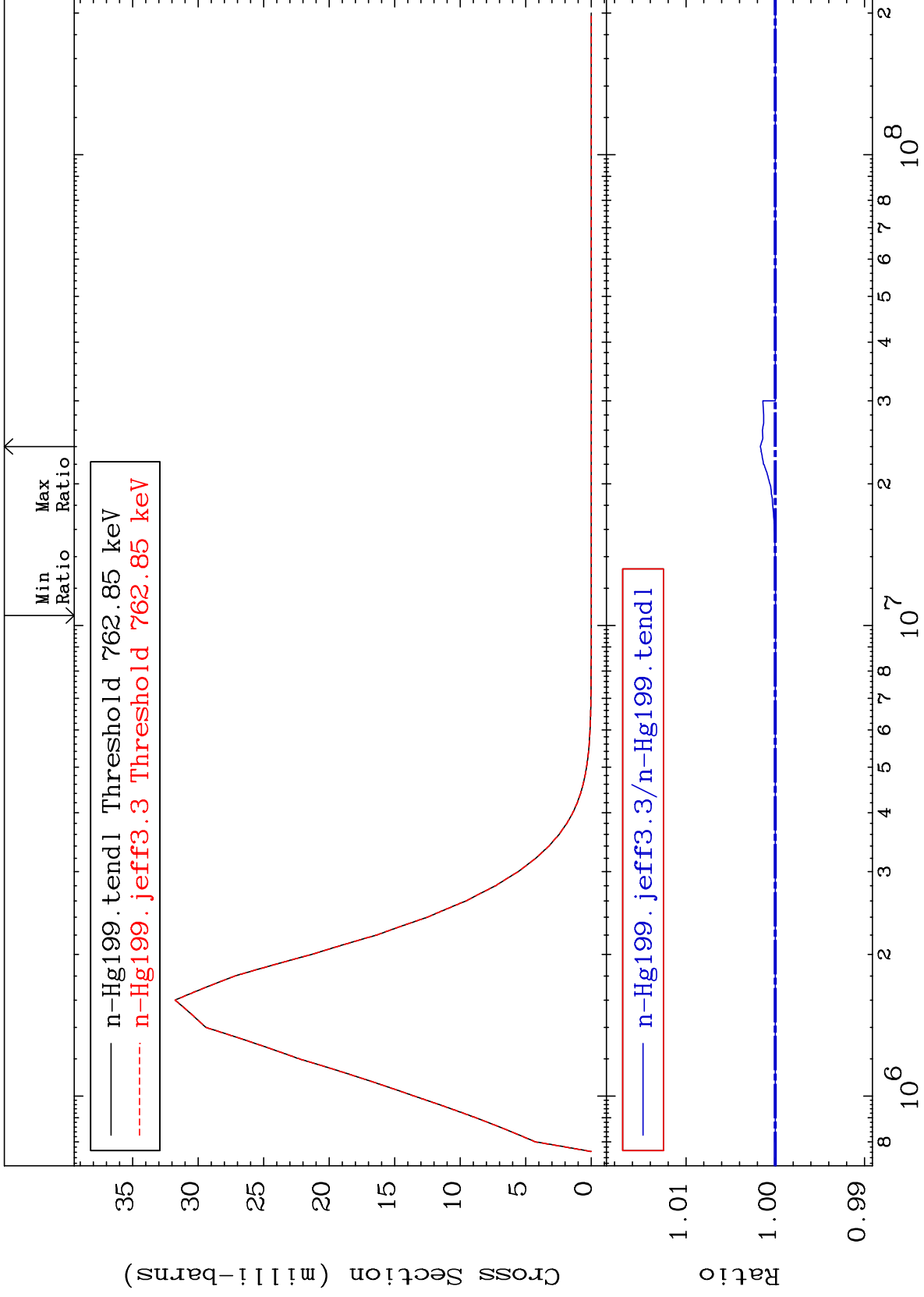
80-Hg-199
-0.003 To 0.167 %



MAT 8034

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

80-Hg-199
-0.003 To 0.167 %



23

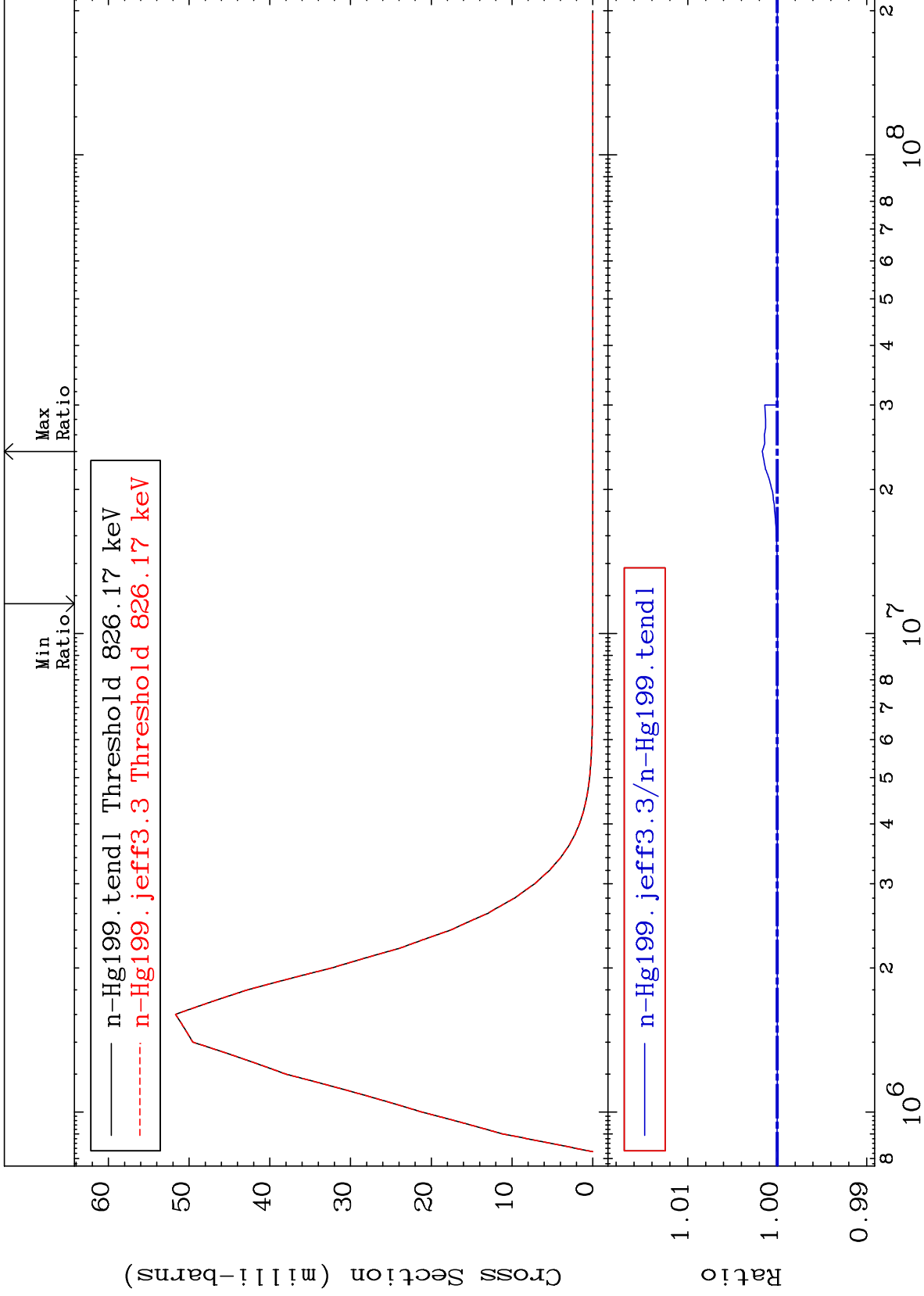
Incident Energy (eV)

80-Hg-199

MAT 8034

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

80-Hg-199
-0.003 To 0.167 %



24

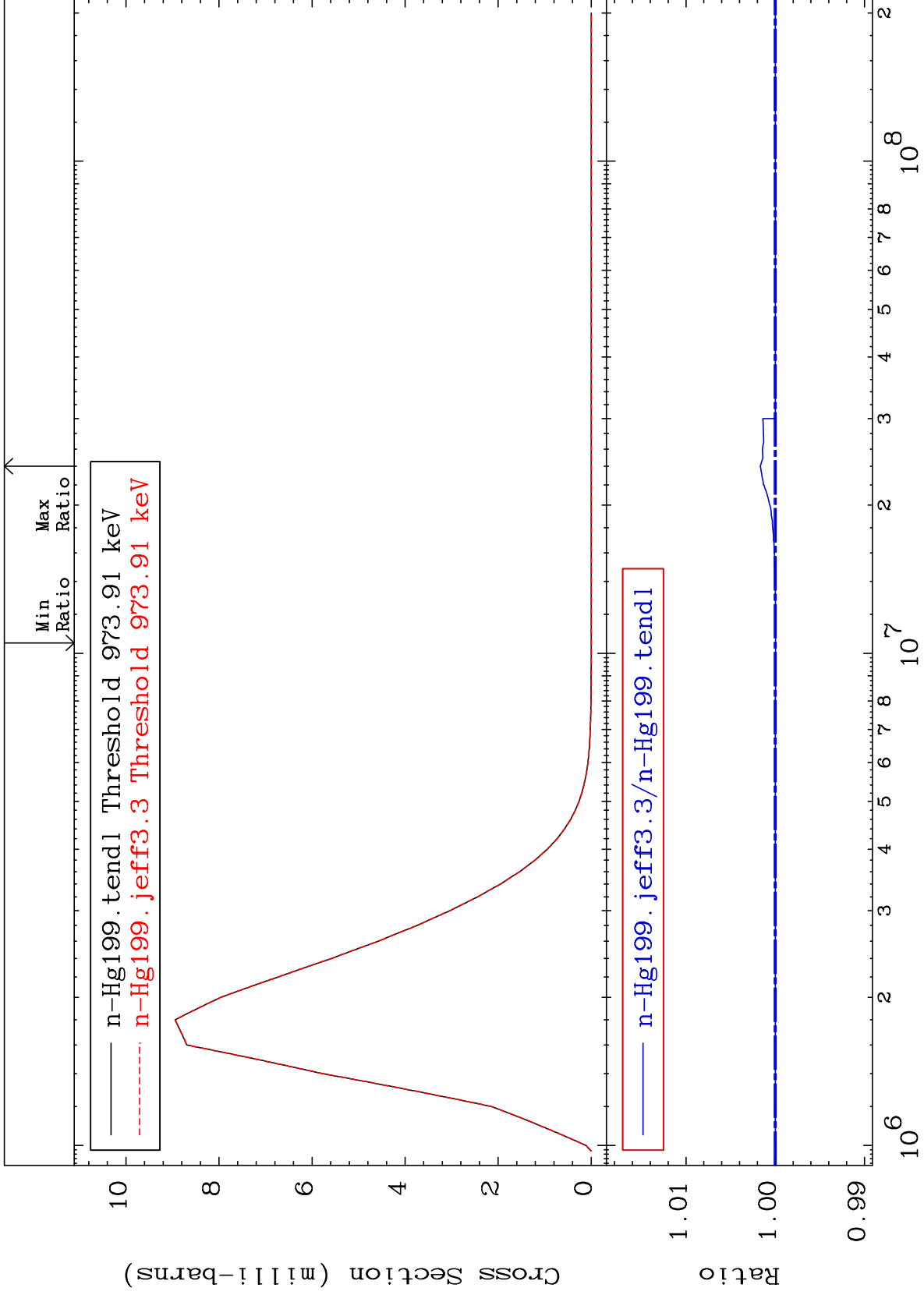
Incident Energy (eV)

80-Hg-199

MAT 8034

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

80-Hg-199
-0.004 To 0.167 %



25

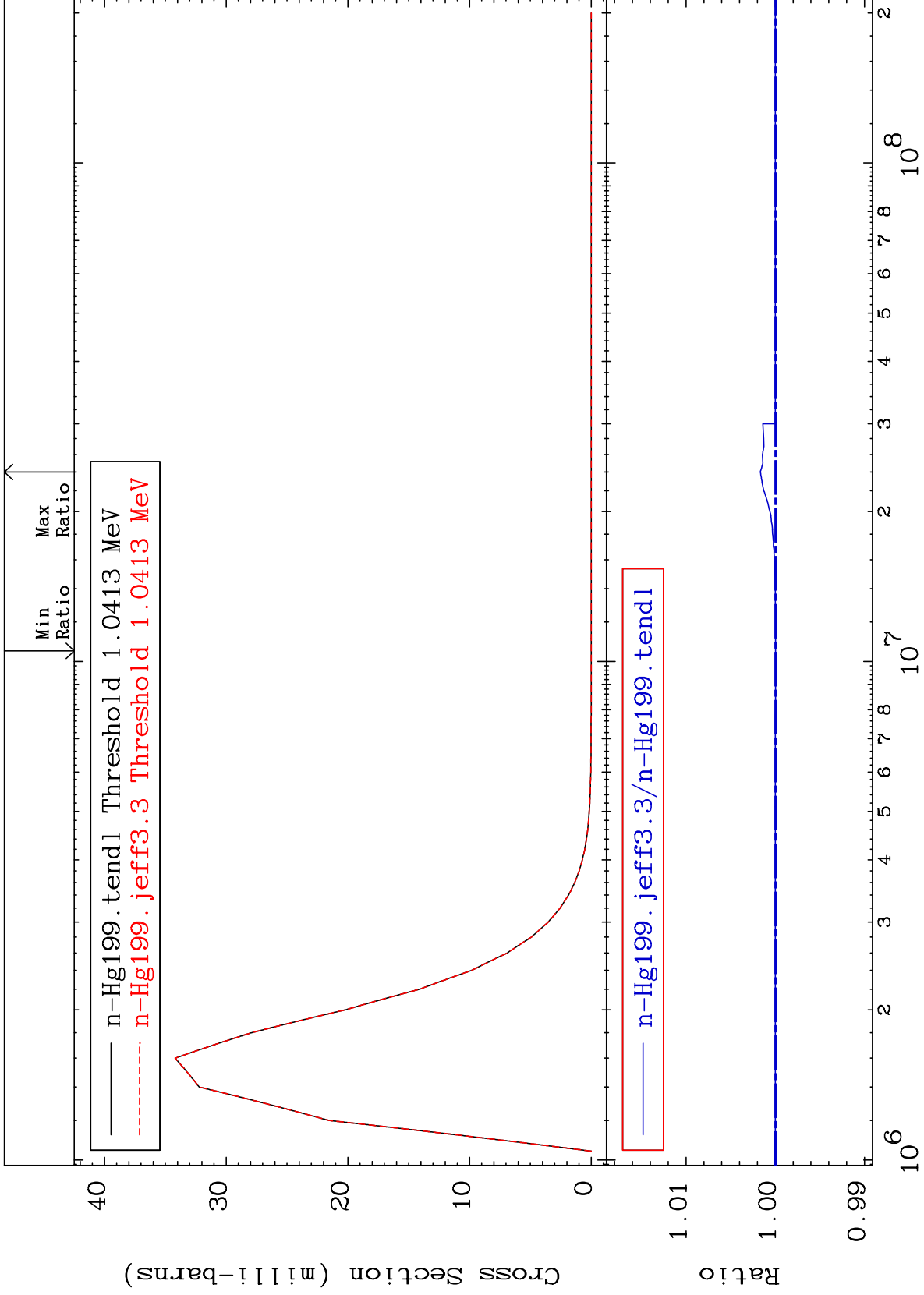
Incident Energy (eV)

80-Hg-199

MAT 8034

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

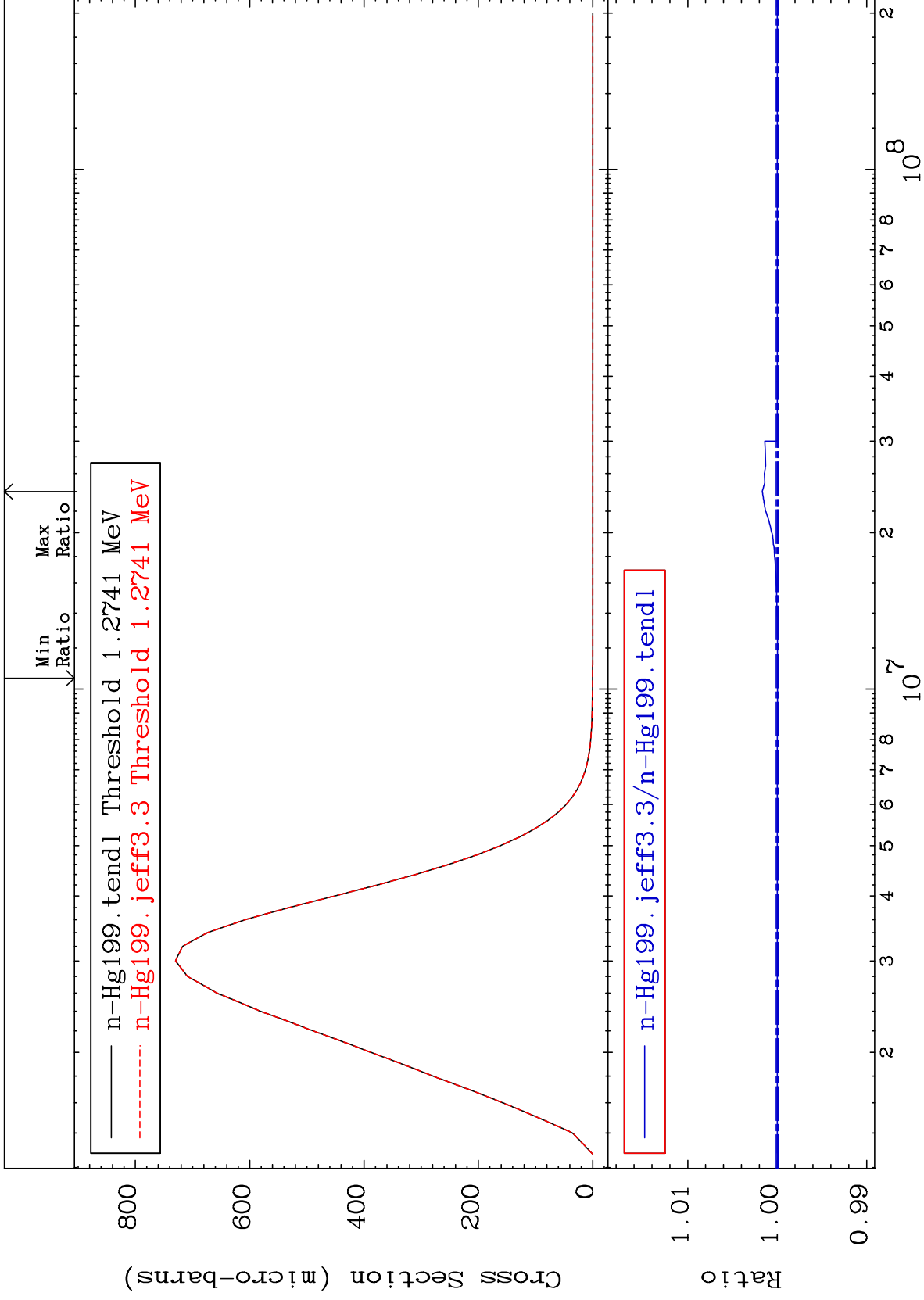
80-Hg-199
-0.003 To 0.167 %



MAT 8034

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

80-Hg-199
-0.004 To 0.167 %



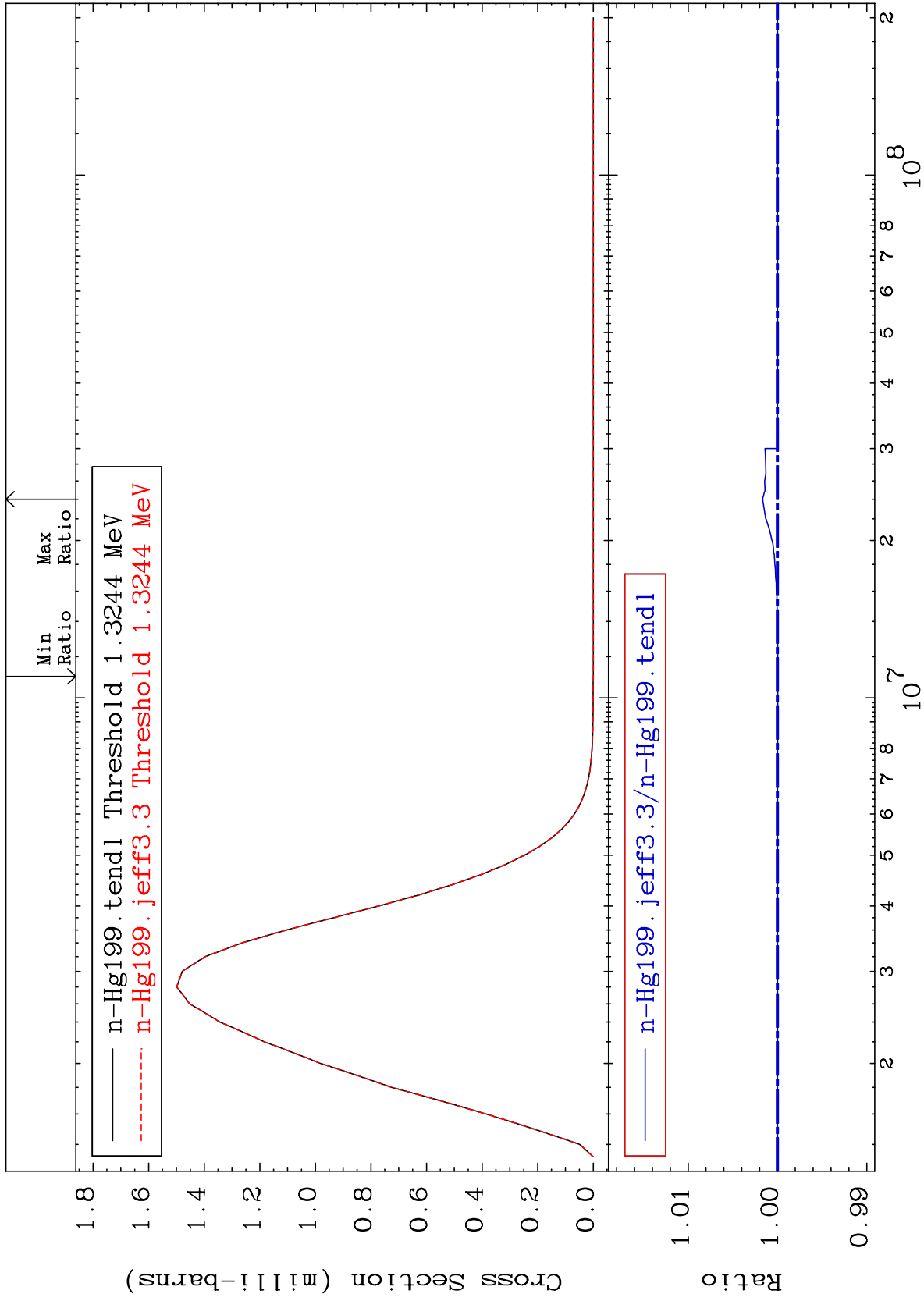
MAT 8034

MT= 76 (n,n') Level

80-Hg-199

-0.004 To 0.167 %

Cross Section



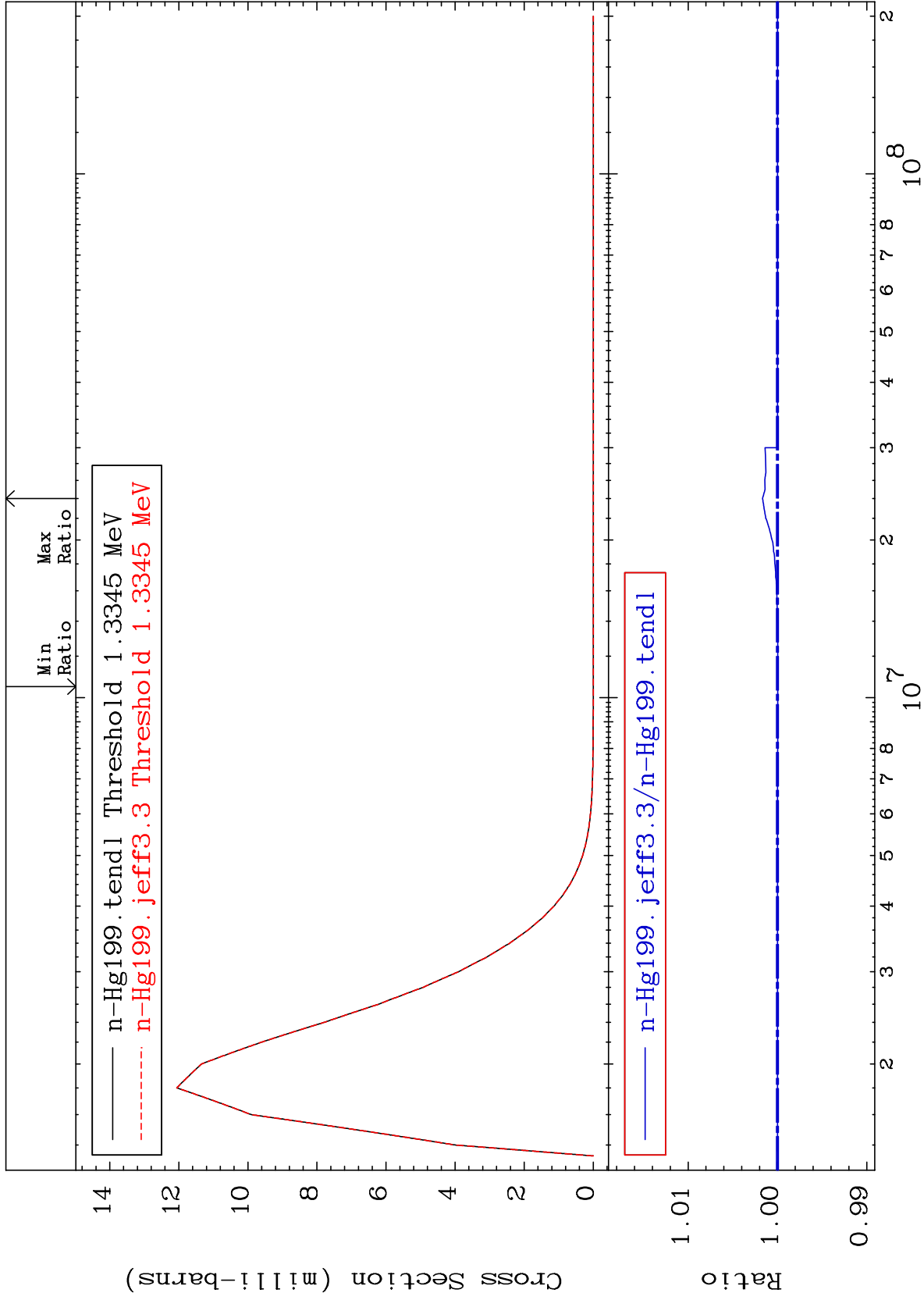
MAT 8034

MT= 77 (n,n') Level

80-Hg-199

-0.004 To 0.167 %

Cross Section



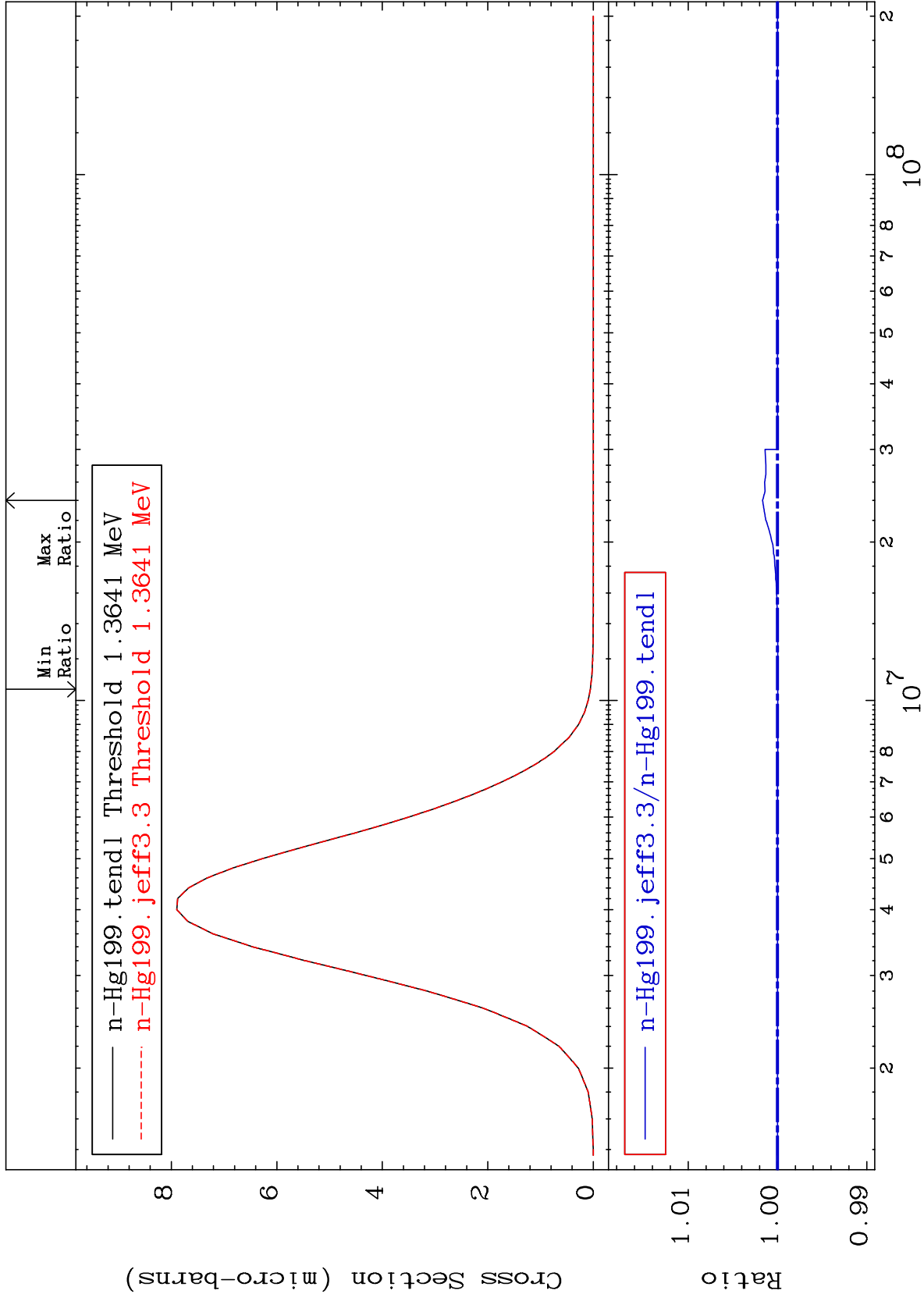
MAT 8034

MT= 78 (n,n') Level

80-Hg-199

-0.003 To 0.167 %

Cross Section



30

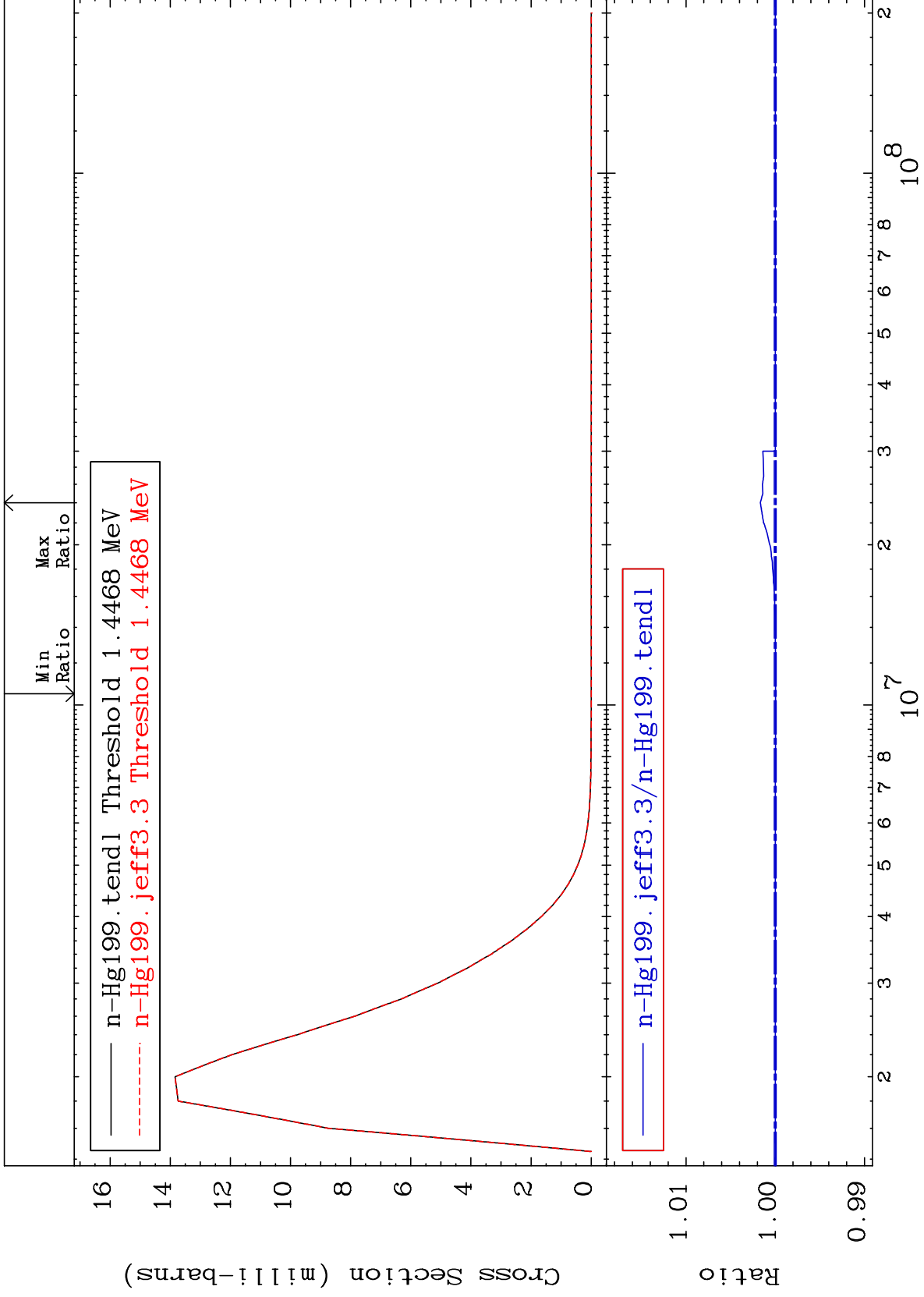
Incident Energy (eV)

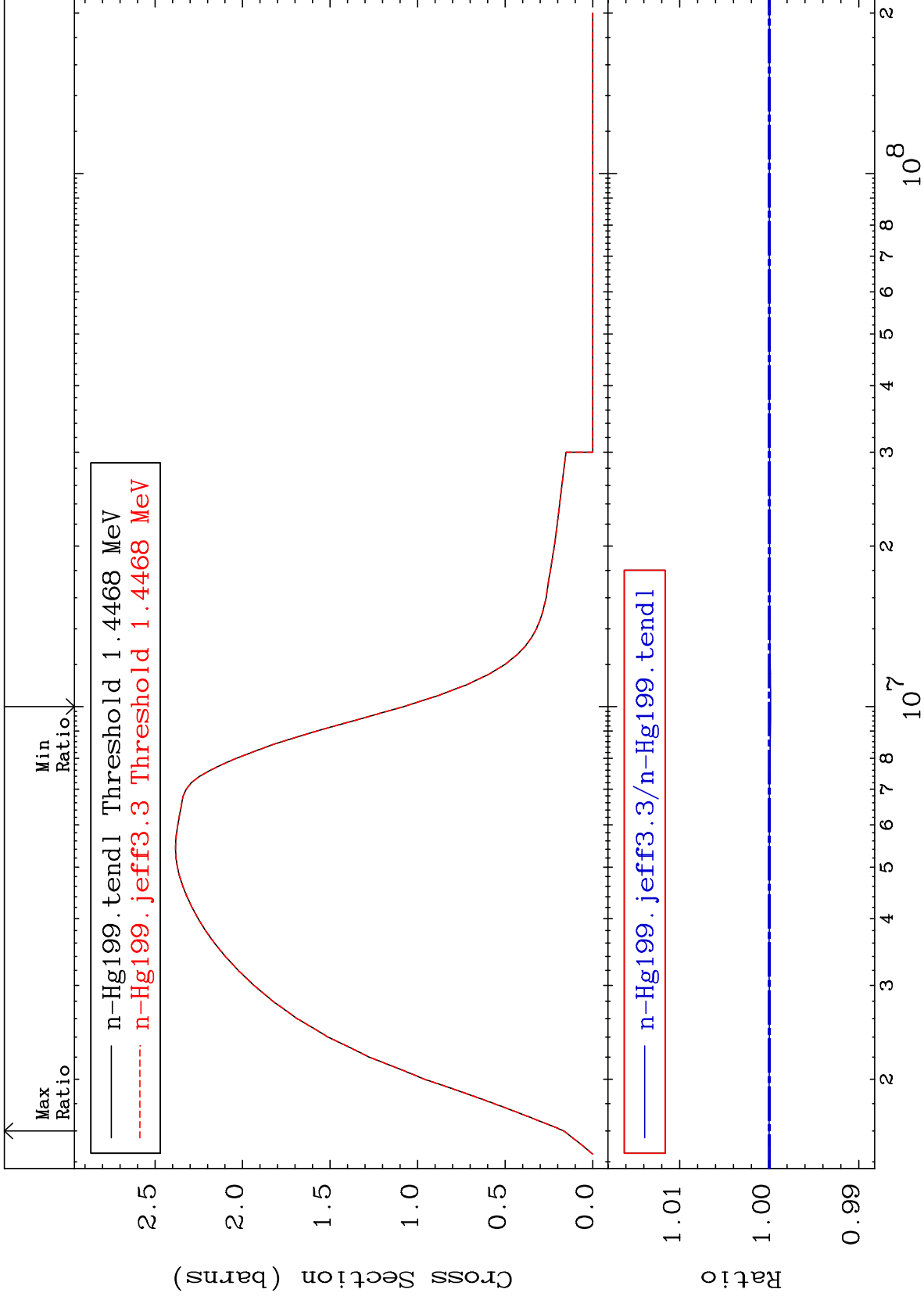
80-Hg-199

MAT 8034

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

80-Hg-199
-0.004 To 0.167 %

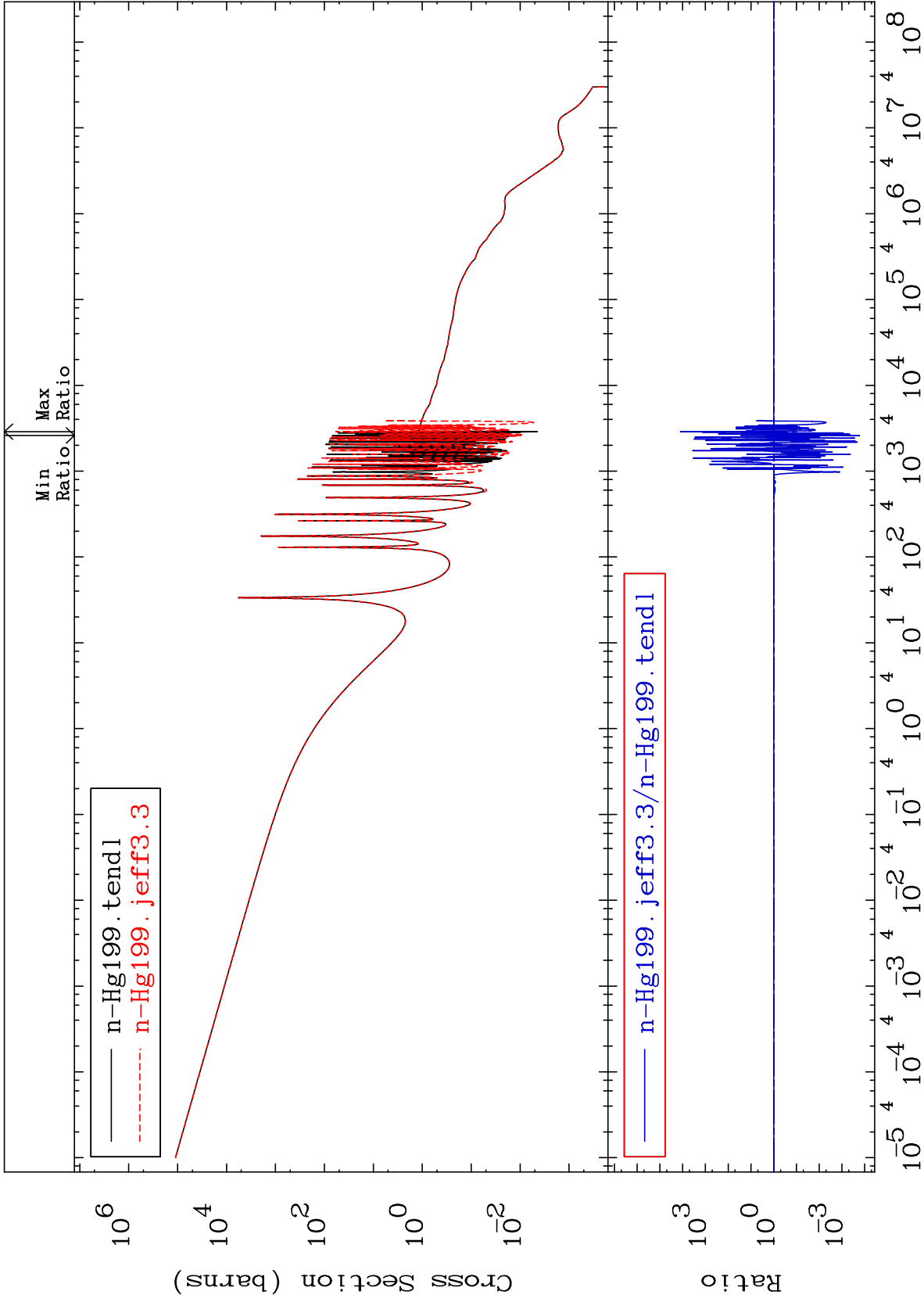




MAT 8034

(n, γ)
Cross Section

80-Hg-199
-99.98 To 9999. %

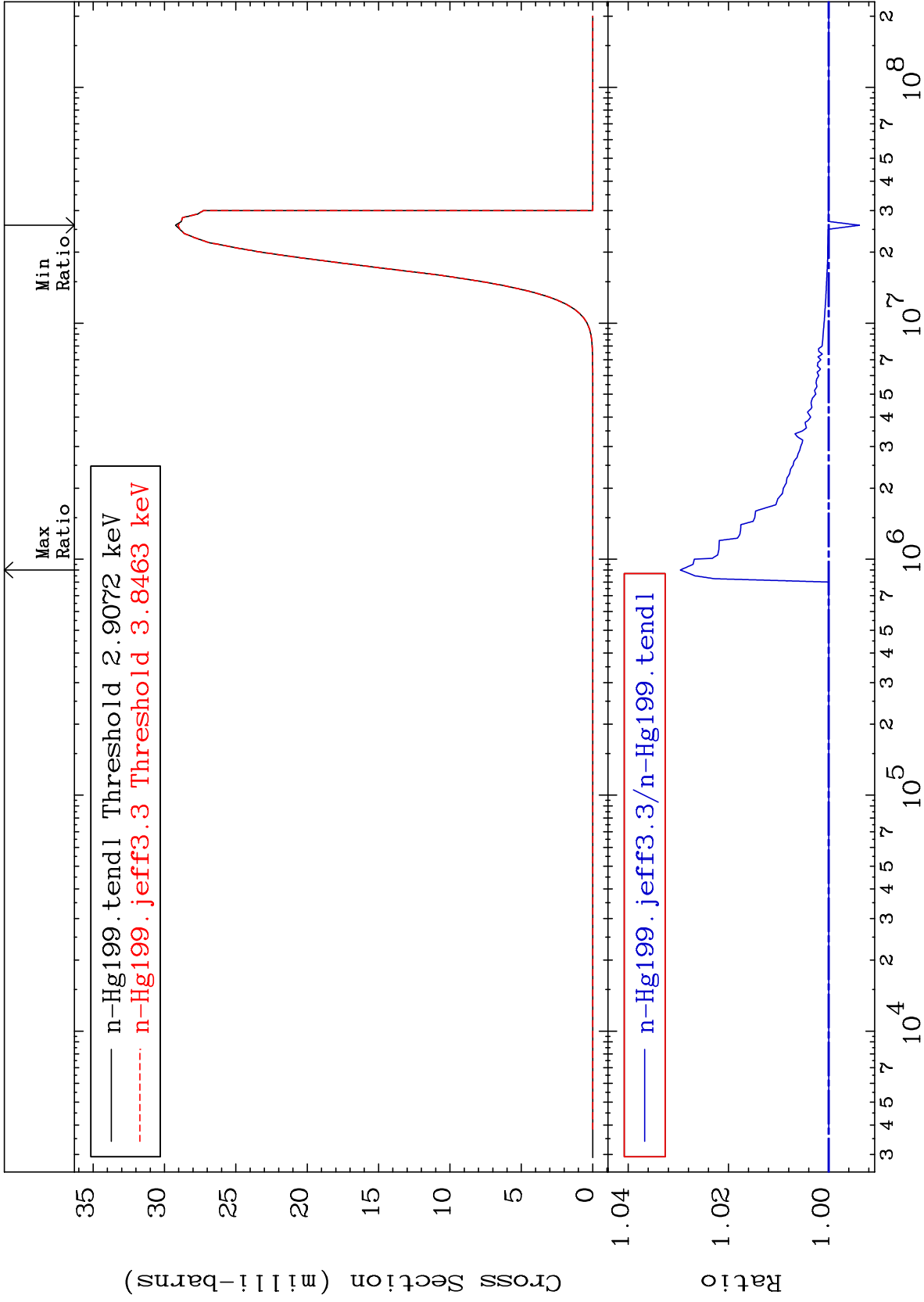


MAT 8034

80-Hg-199

(n, p)
Cross Section

-0.612 To 2.960 %



34

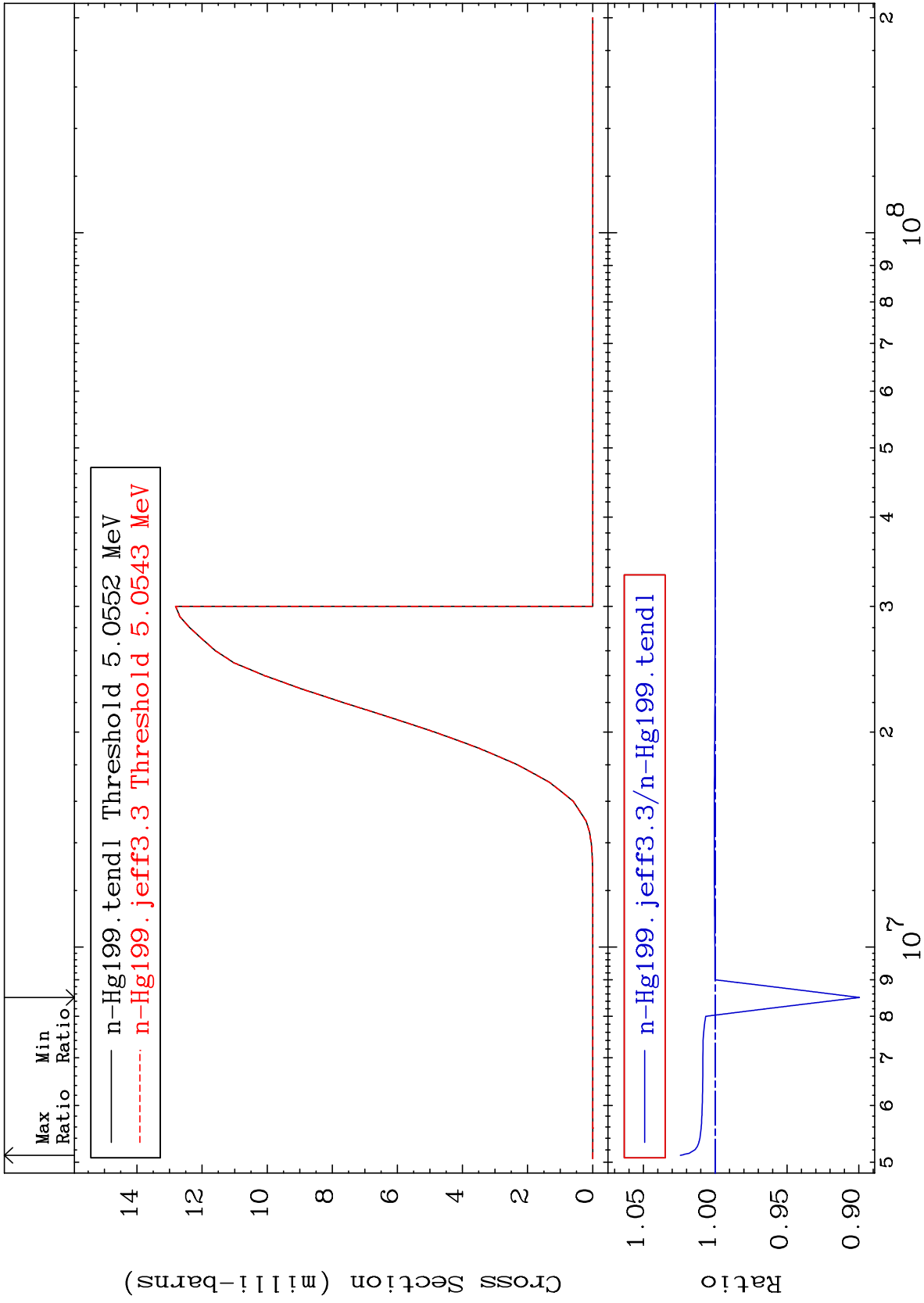
Incident Energy (eV)

80-Hg-199

MAT 8034

(n, d)
Cross Section

80-Hg-199
-10.04 To 2.427 %



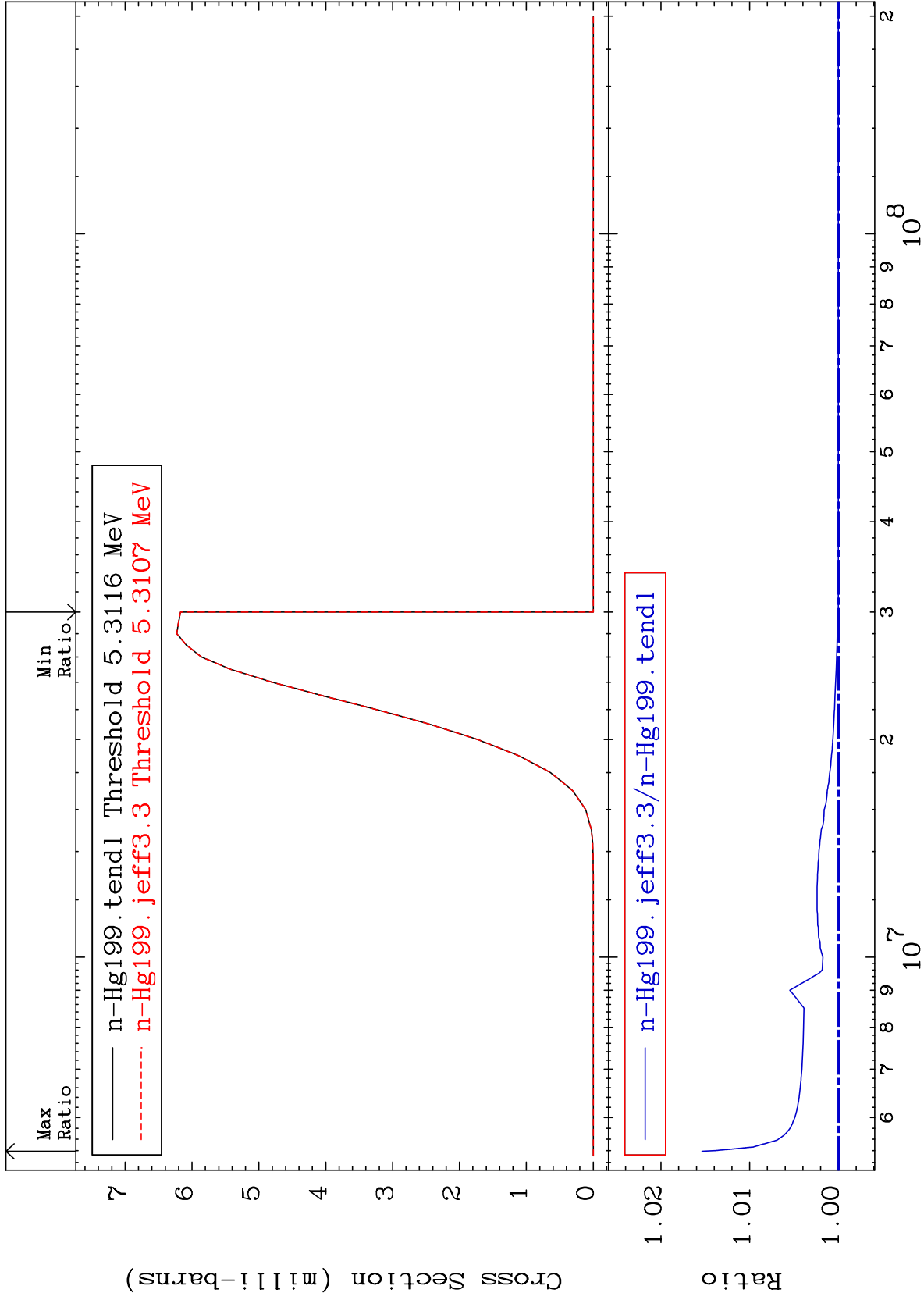
35

Incident Energy (eV)

80-Hg-199

MAT 8034

(n, t)
Cross Section
80-Hg-199
To 1.538 %
0.000

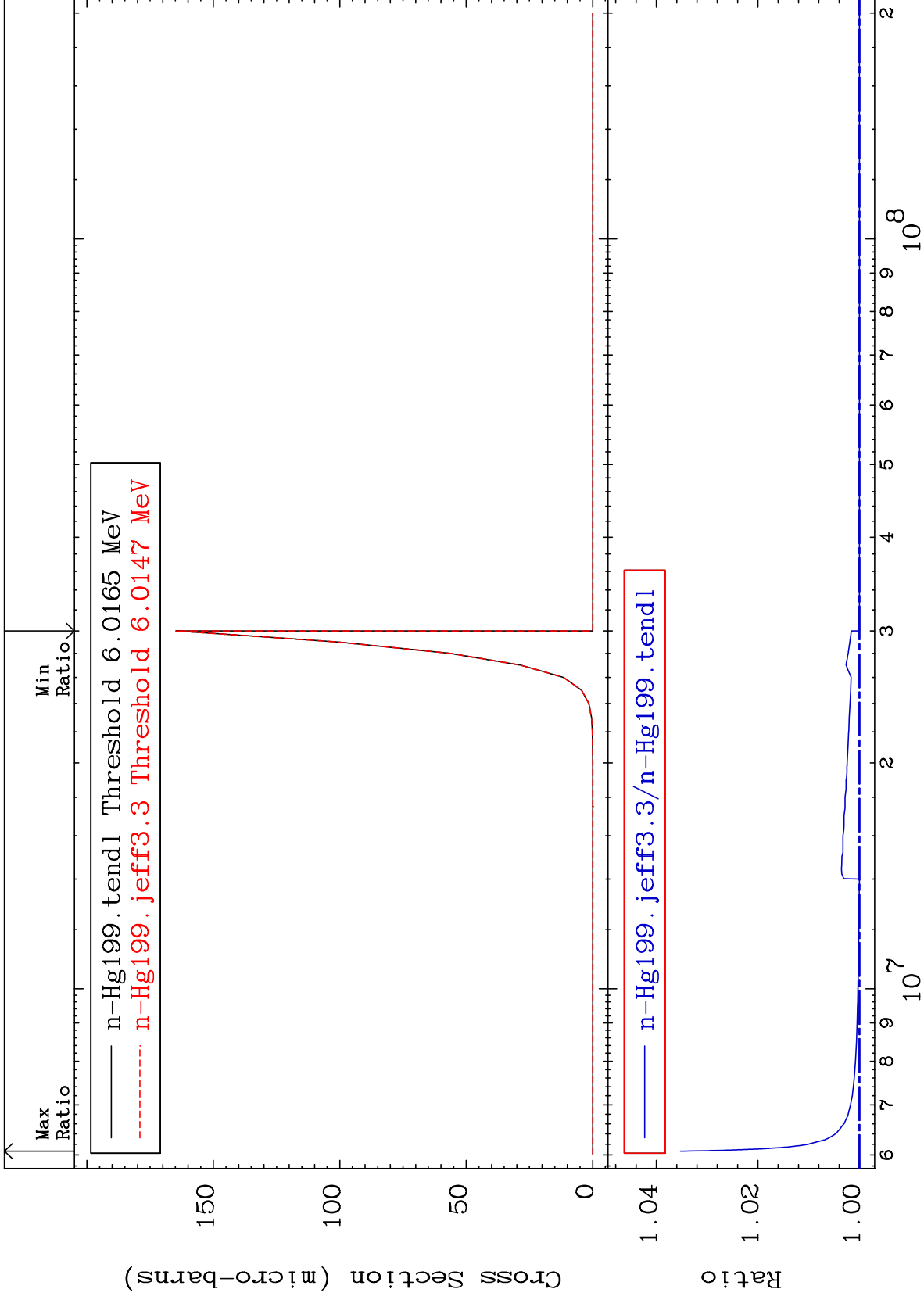


MAT 8034

(n, He-3)

80-Hg-199
To 3.528 %
0.000

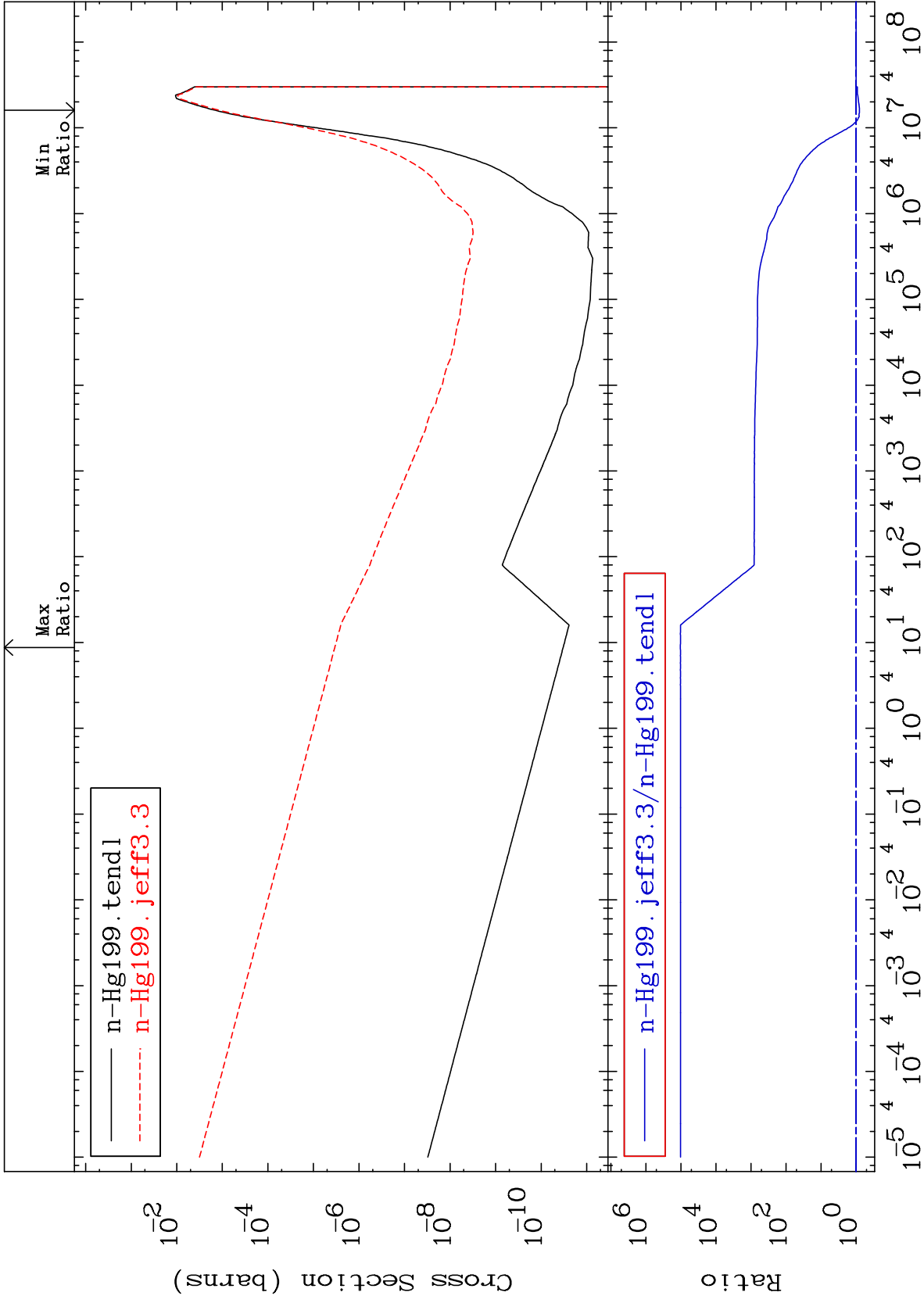
Cross Section



MAT 8034

(n, α)
Cross Section

80-Hg-199
-19.80 To 9999. %

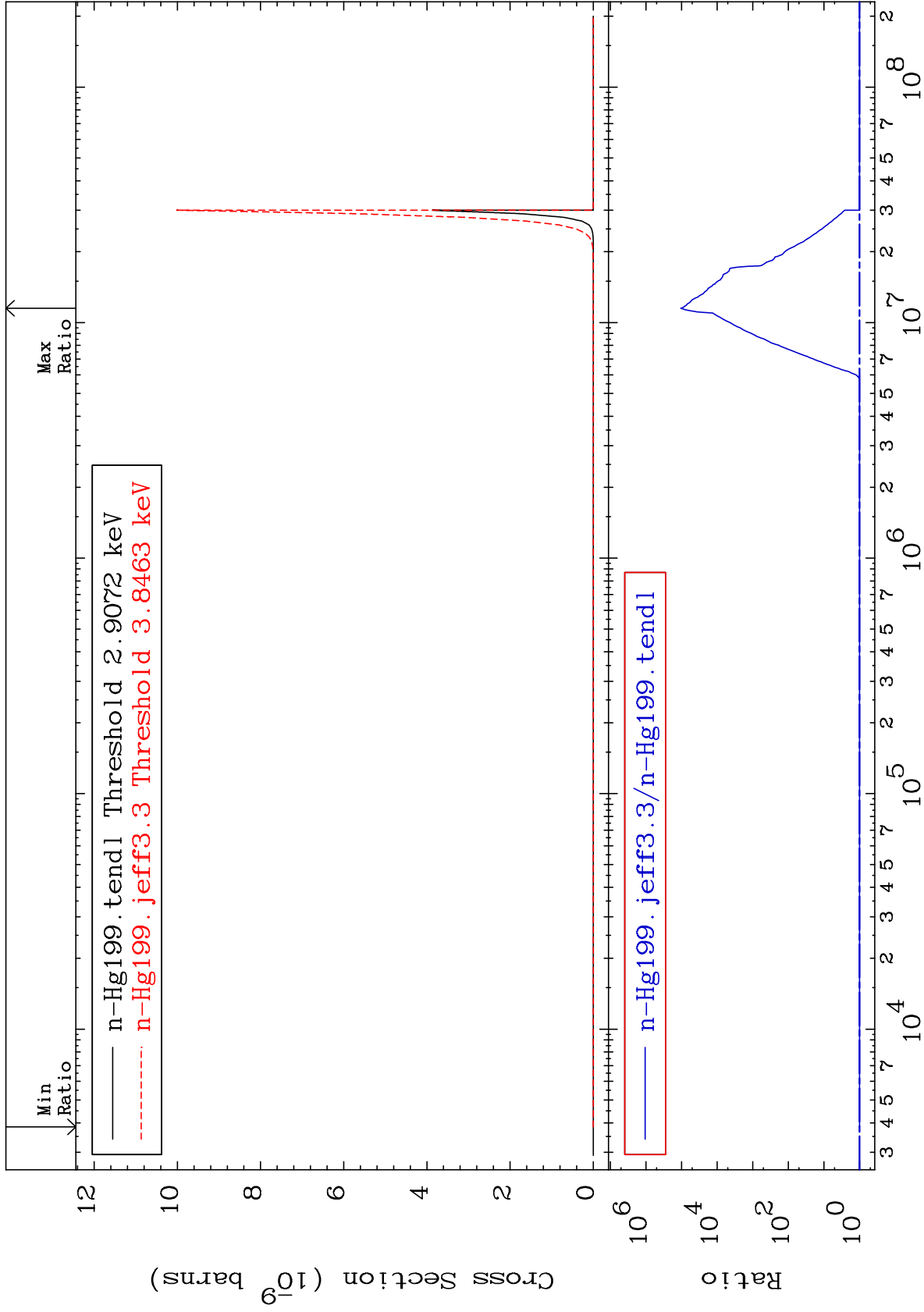


MAT 8034

(n,2α)

80-Hg-199
To 9999. %

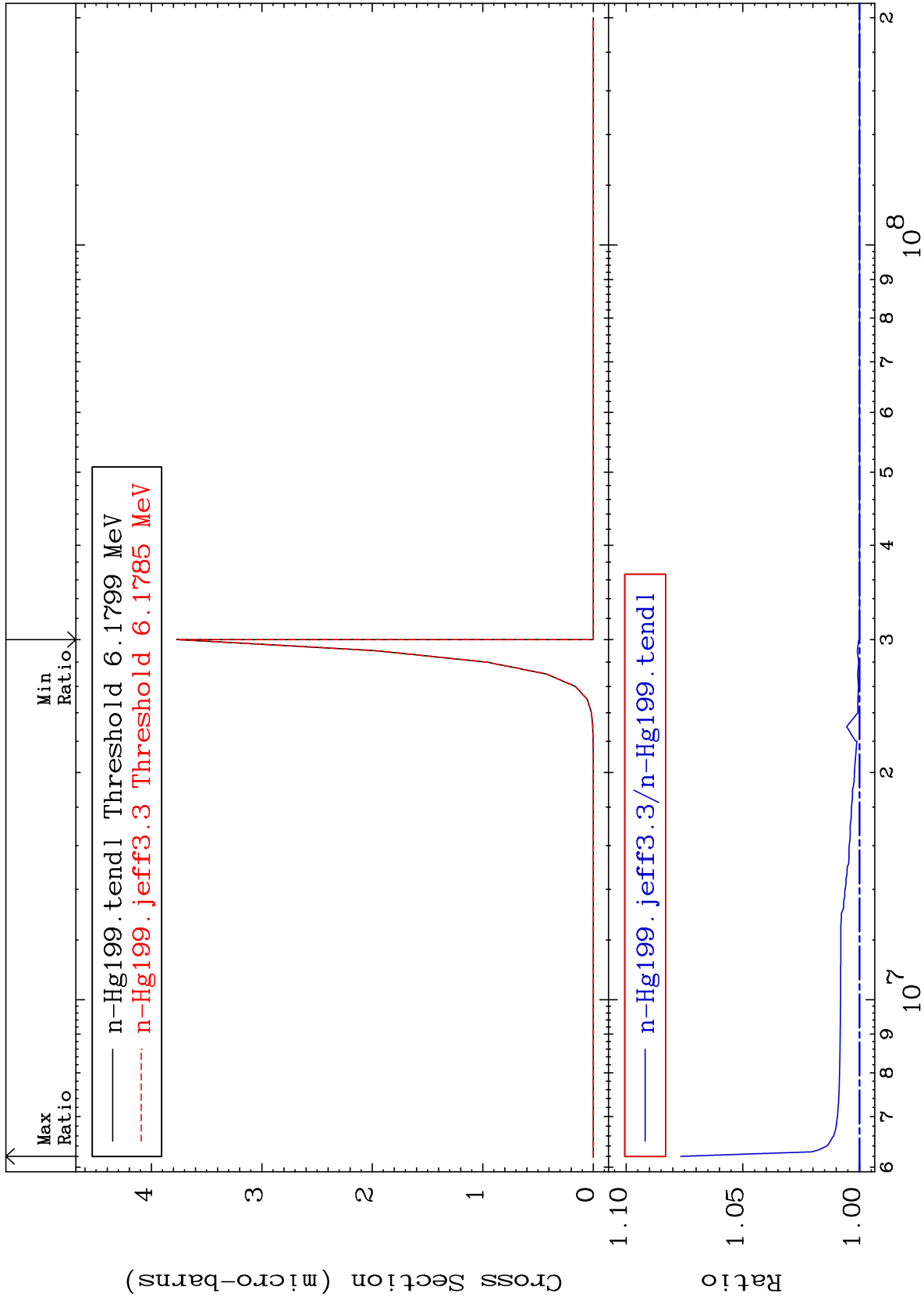
Cross Section



MAT 8034

(n,2p)
Cross Section

80-Hg-199
To 7.660 %

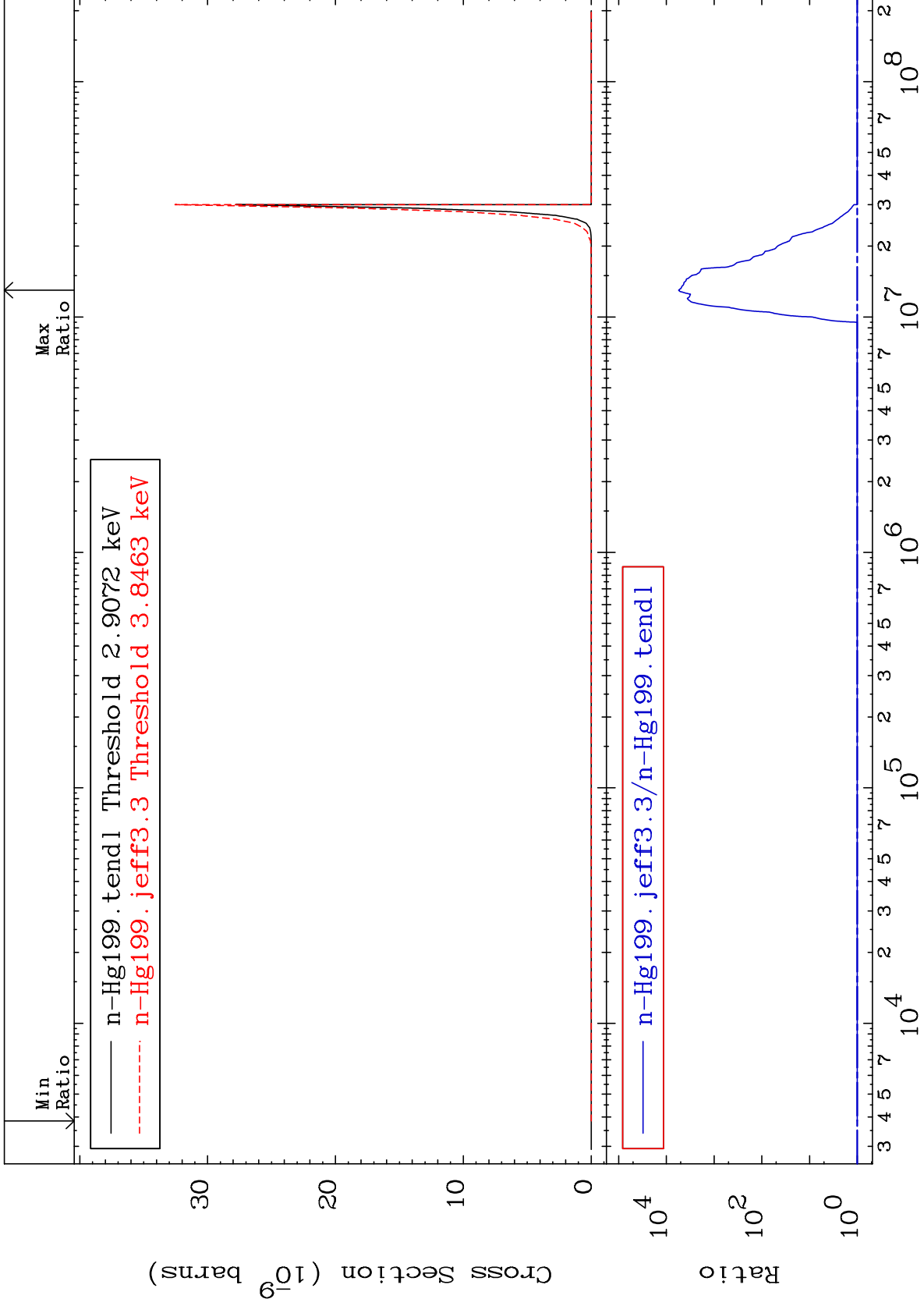


MAT 8034

(n, p) α

80-Hg-199
To 9999. %
0.000

Cross Section

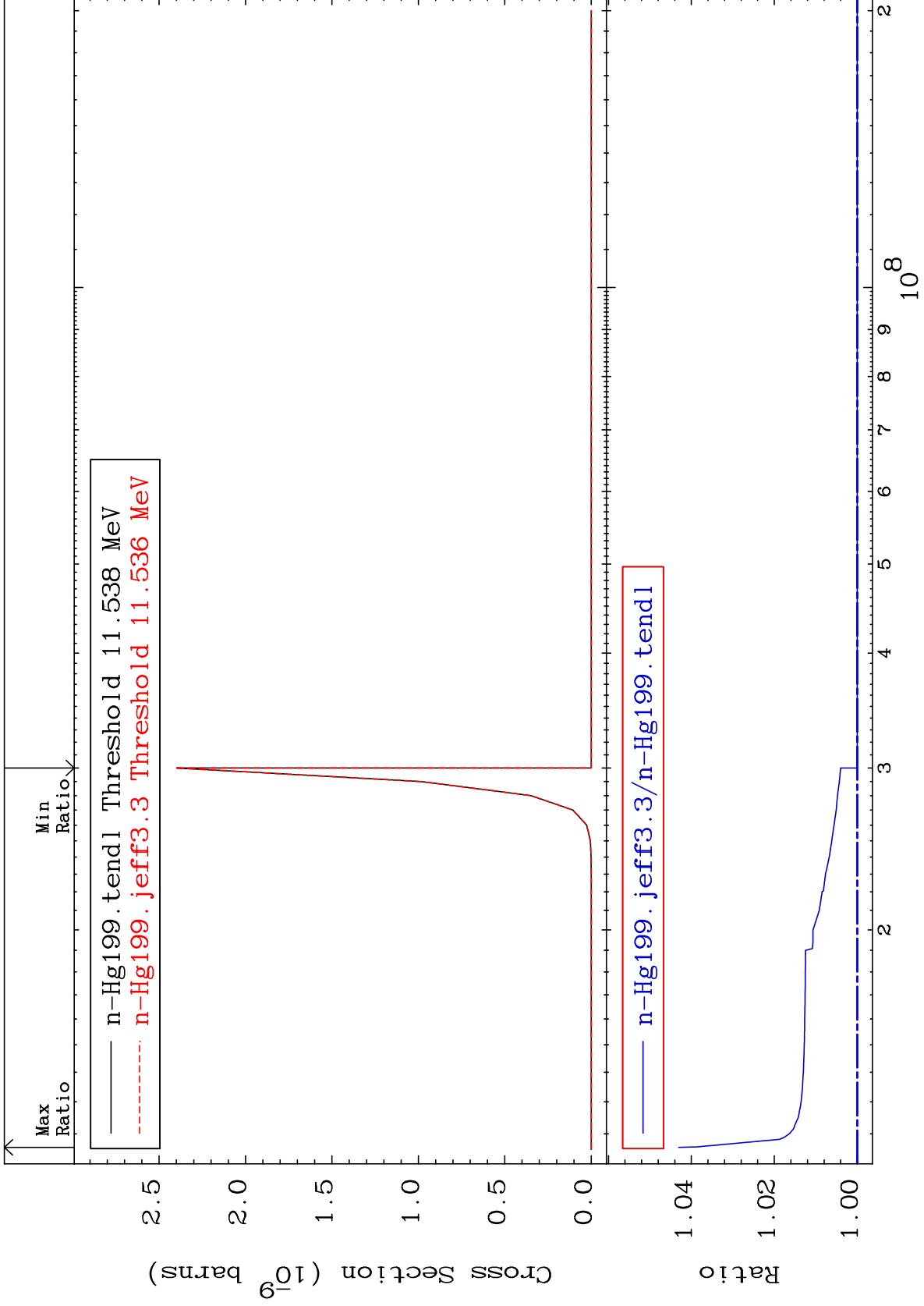


MAT 8034

(n, p) d

80-Hg-199
0.000 To 4.307 %

Cross Section



MAT 8034

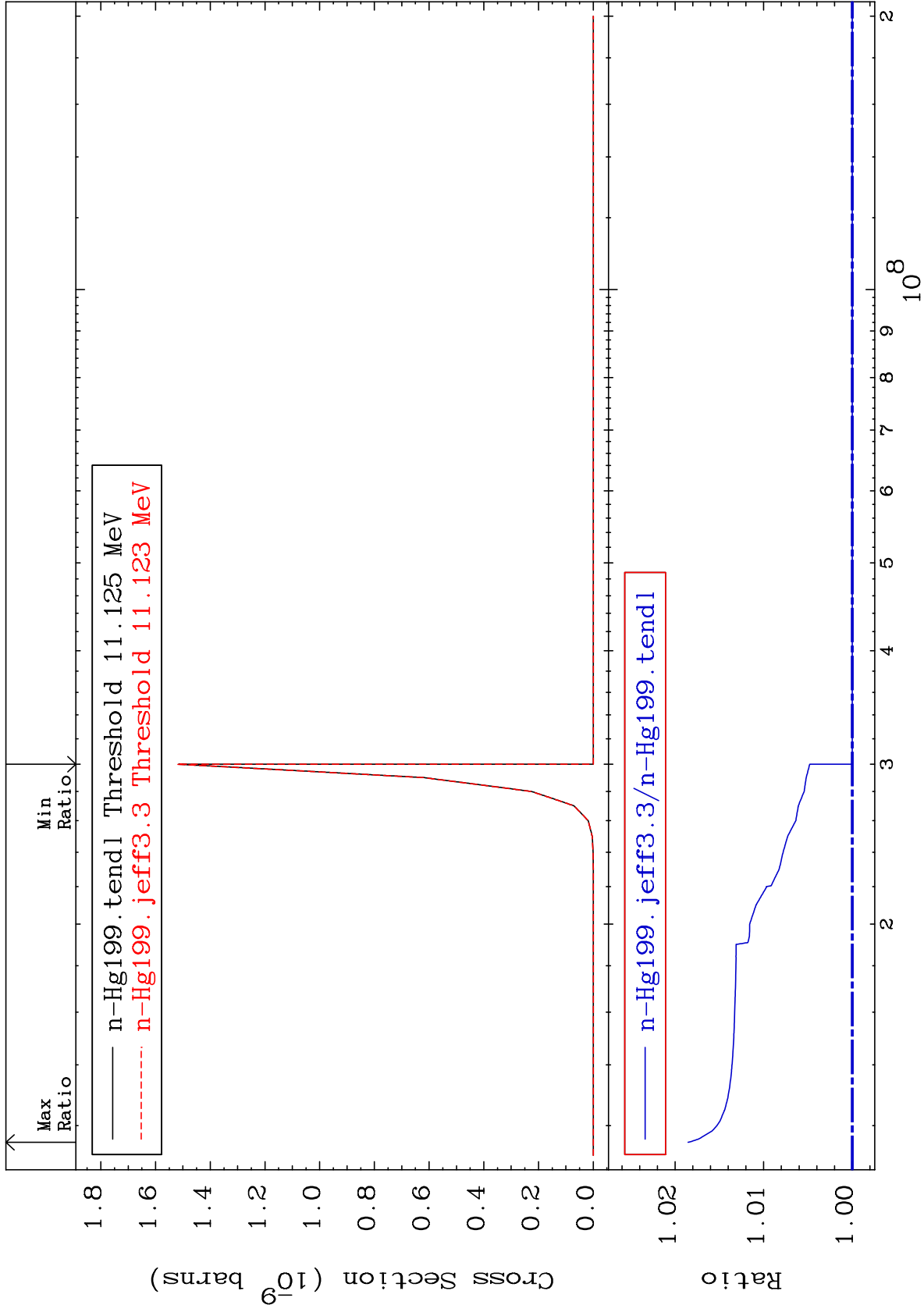
(n,p) t

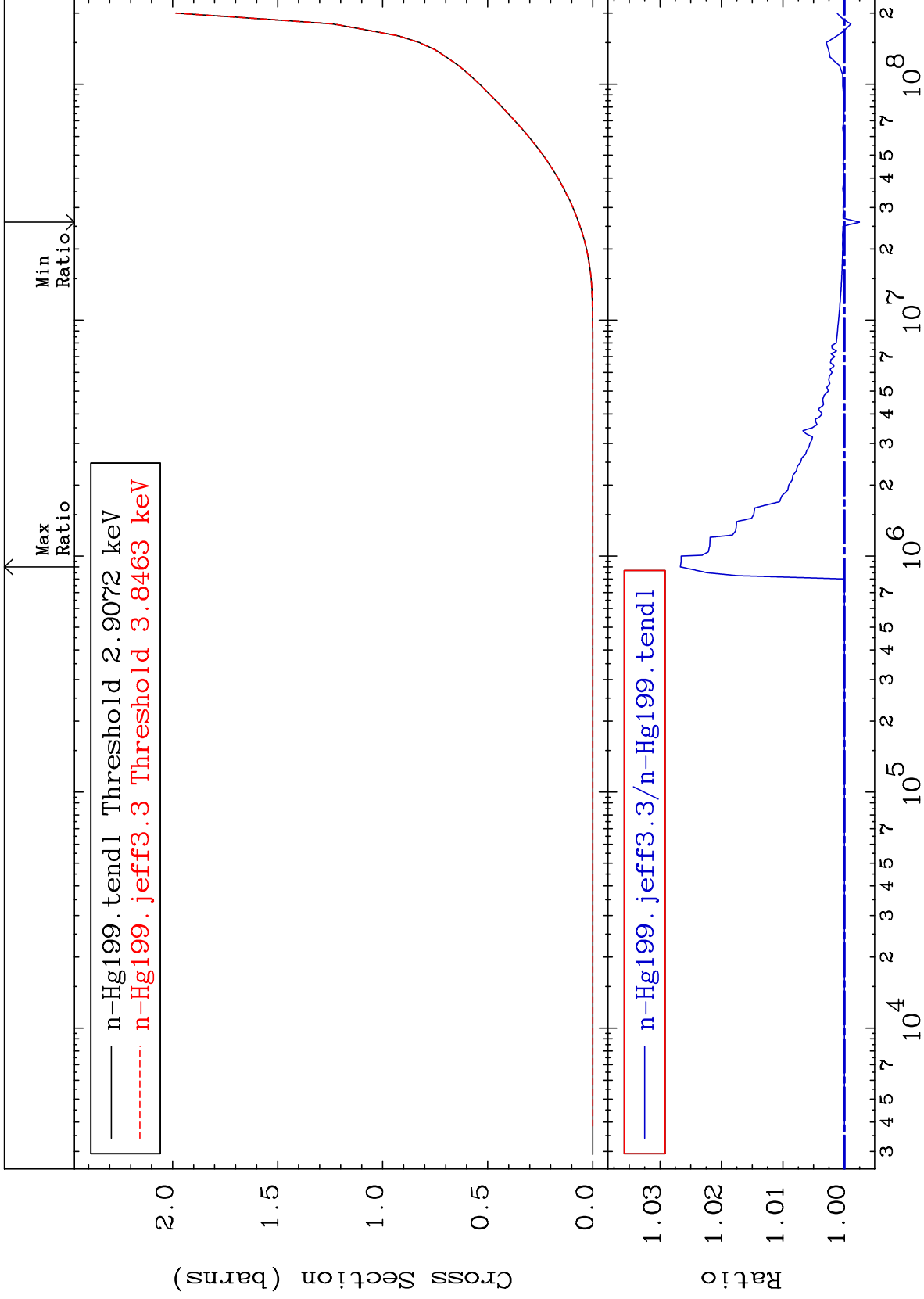
80-Hg-199

Cross Section

0.000

To 1.853 %

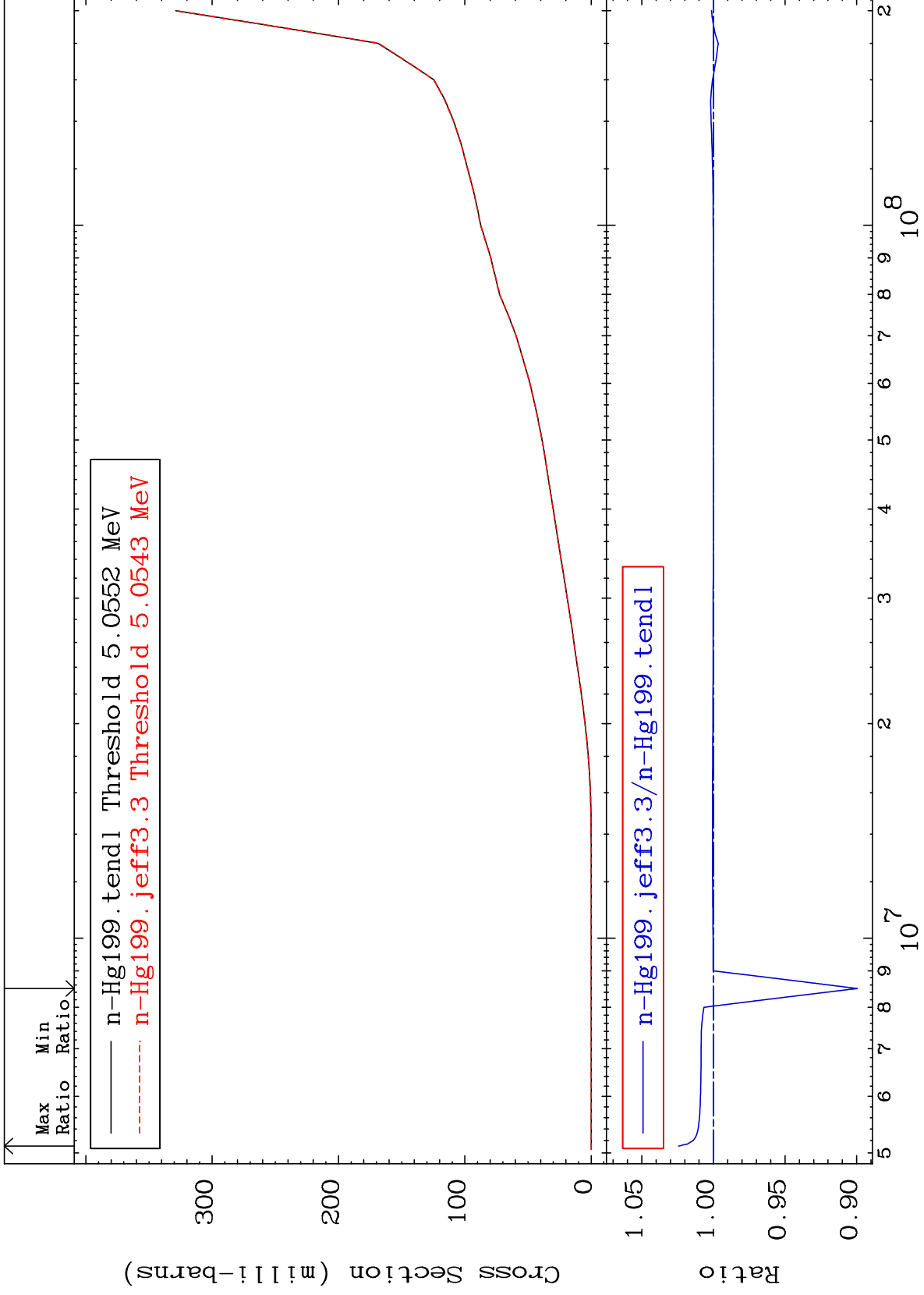




MAT 8034

Deuterium Production
Cross Section

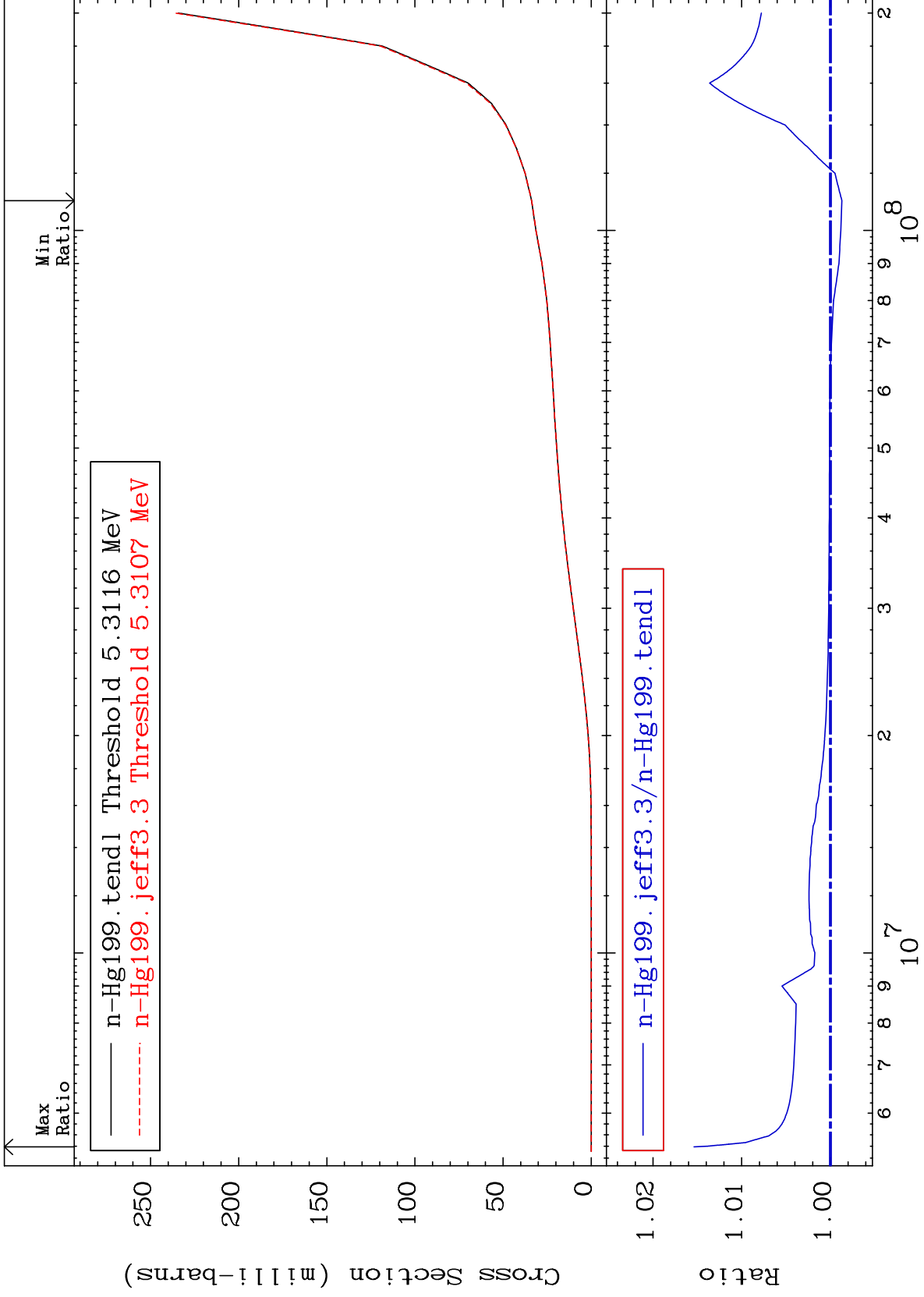
80-Hg-199
-10.04 To 2.427 %



MAT 8034

Tritium Production
Cross Section

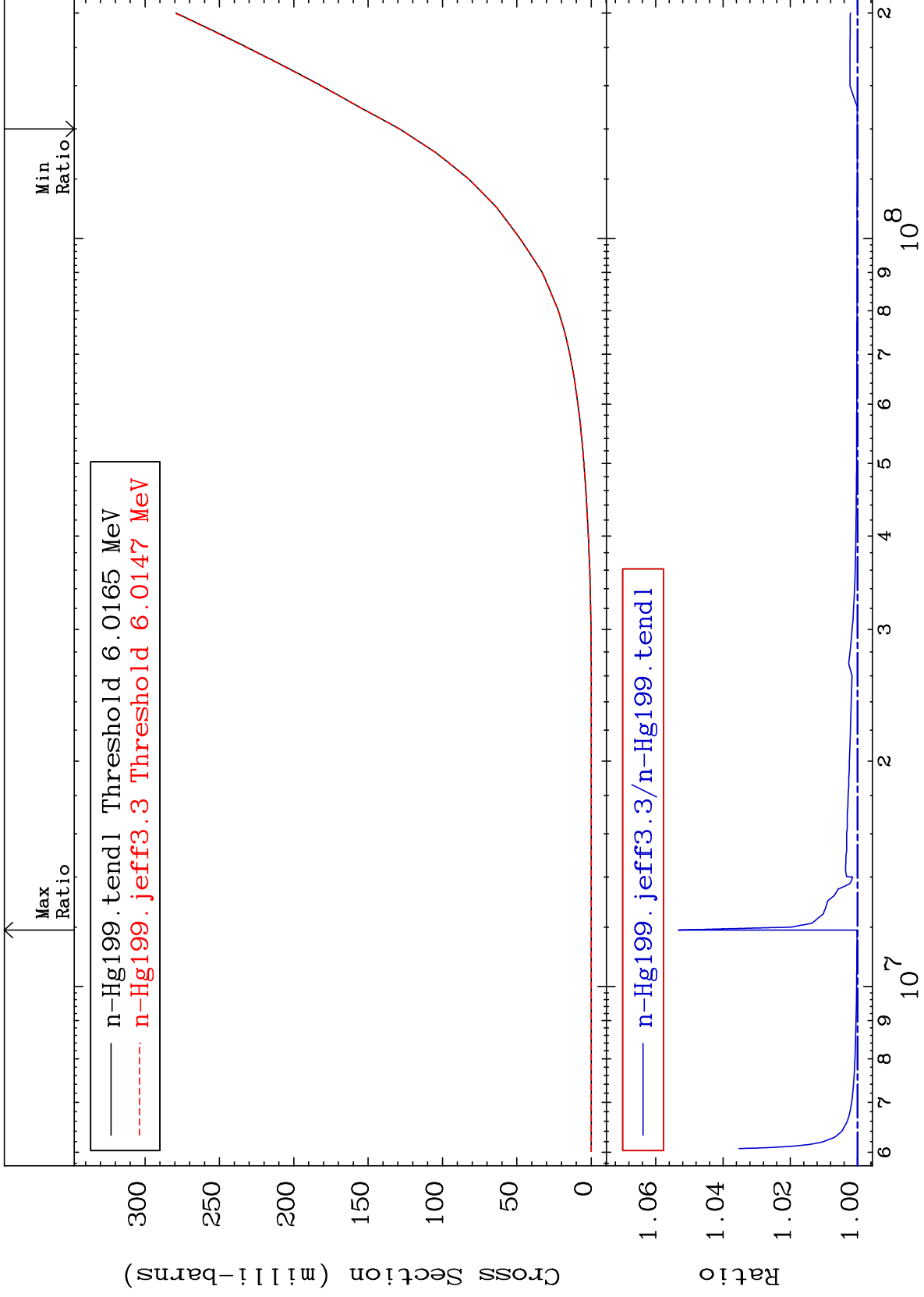
80-Hg-199
-0.130 To 1.538 %



MAT 8034

He-3 Production
Cross Section

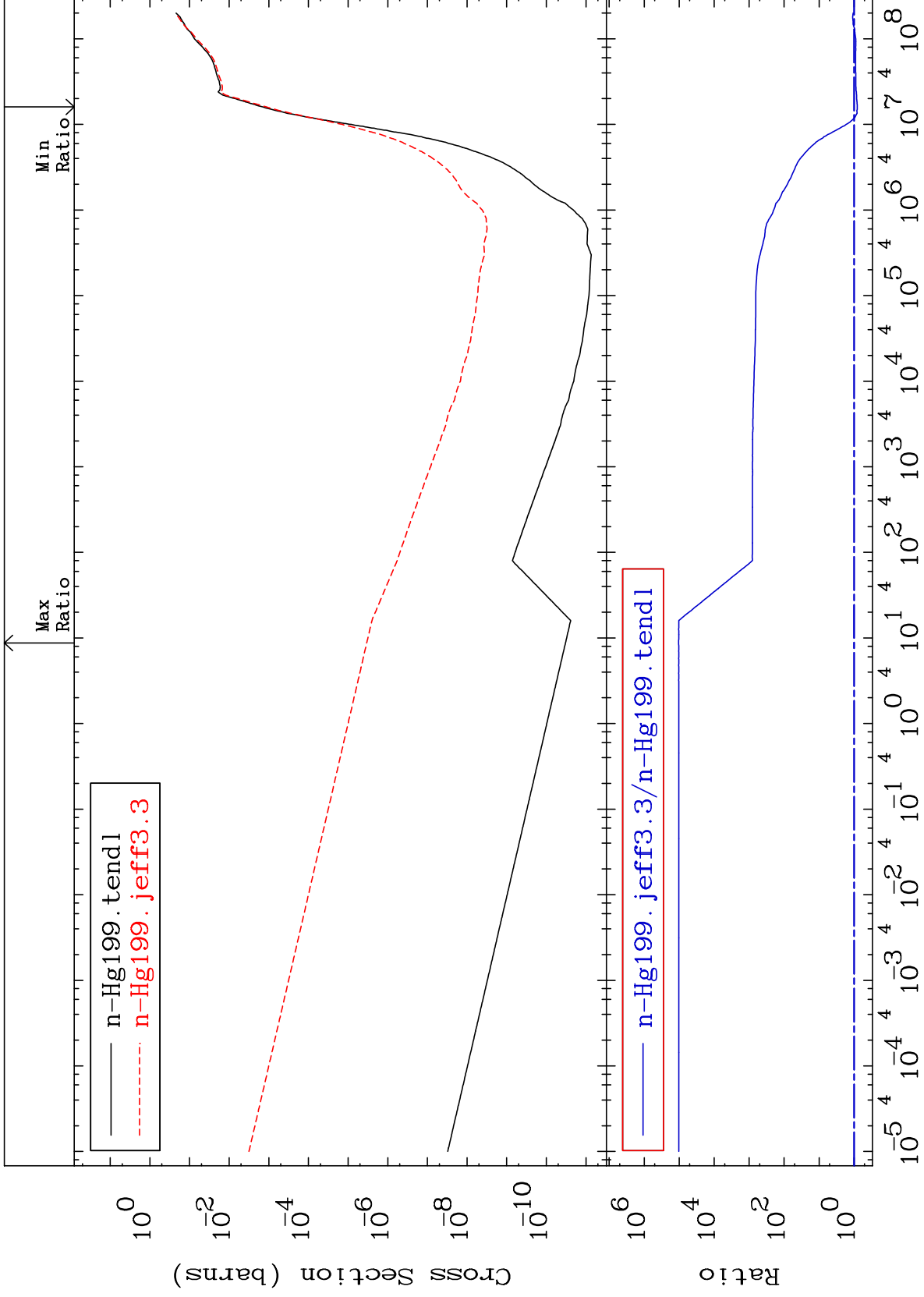
80-Hg-199
To 5.320 %



MAT 8034

He-4 Production
Cross Section

80-Hg-199
-18.92 To 9999. %



48

Incident Energy (eV)

80-Hg-199

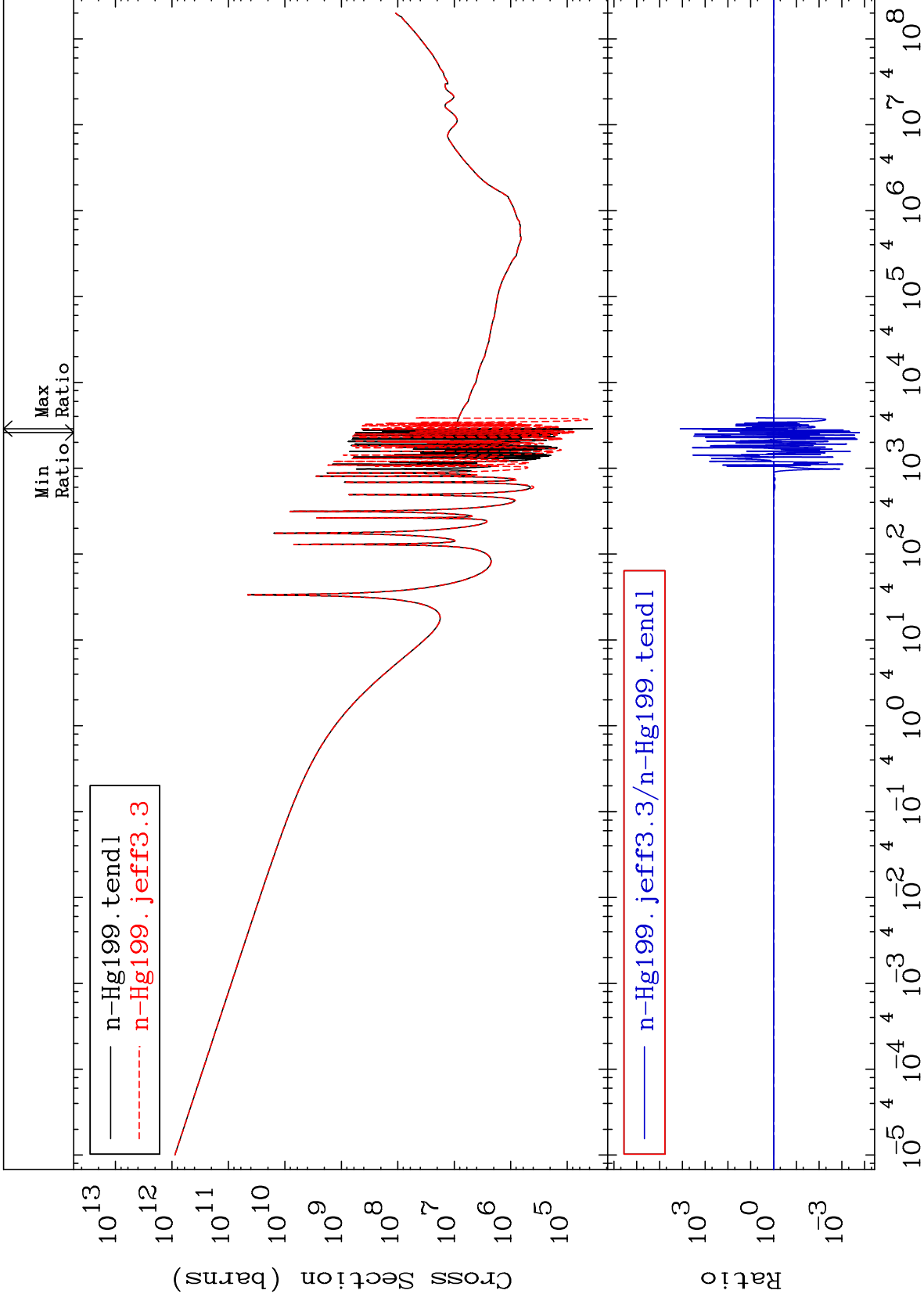
MAT 8034

Kerma total (eV-barns)

80-Hg-199

Cross Section

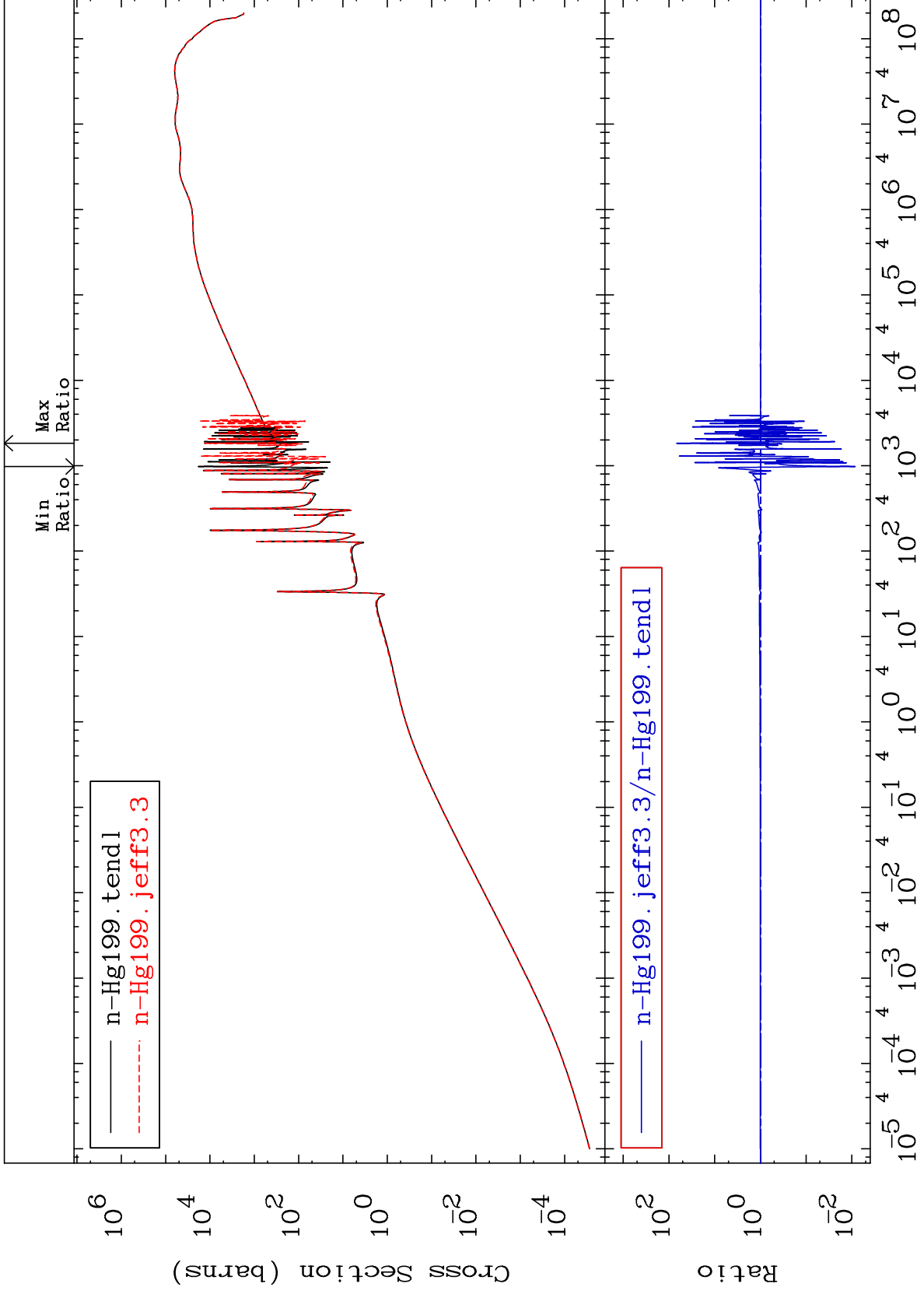
-99.98 To 9999. %



MAT 8034

Kerma elastic
Cross Section

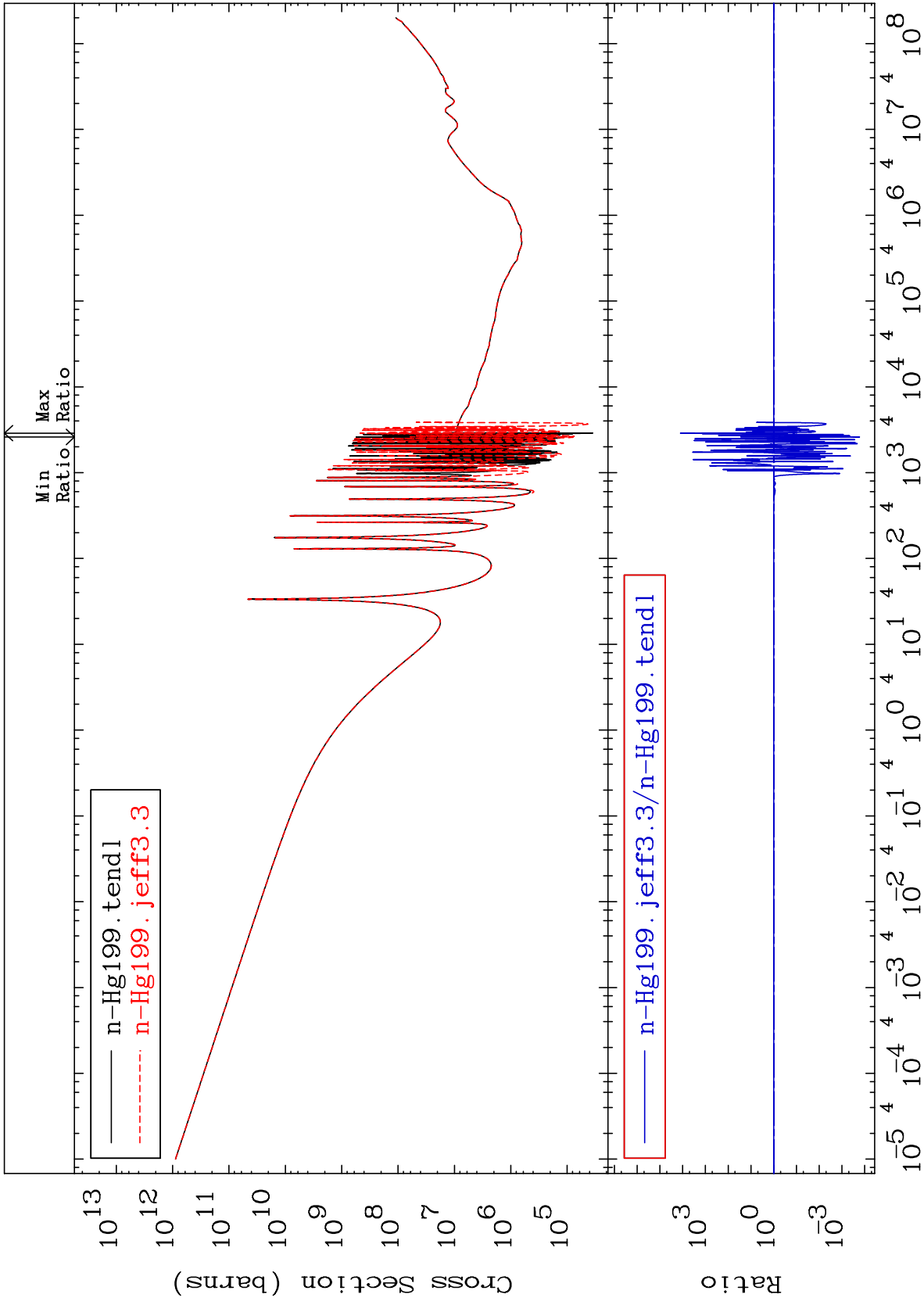
80-Hg-199
-99.15 To 6595. %



50

Incident Energy (eV)

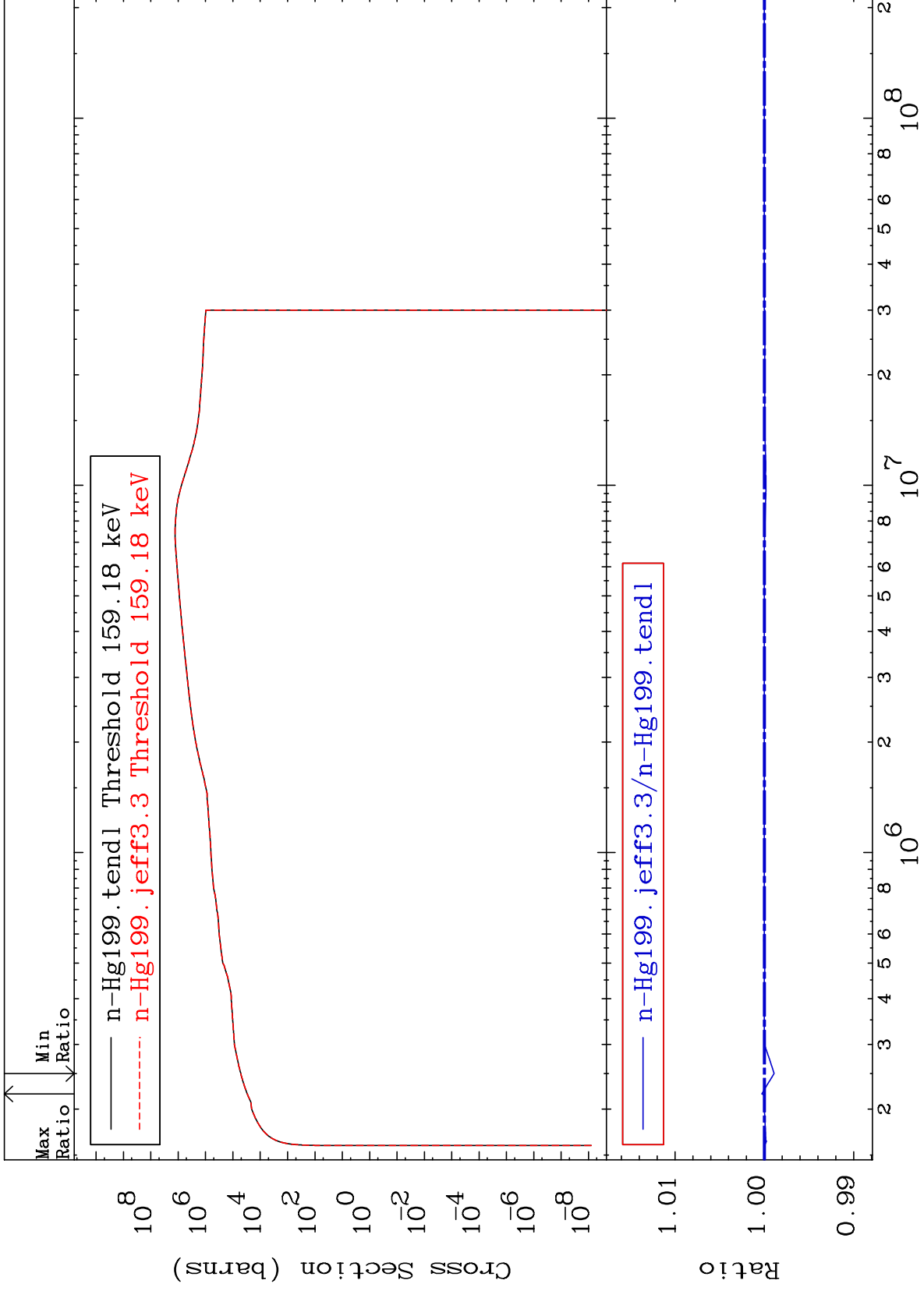
80-Hg-199



MAT 8034

Kerma inelastic (mt51-91)
Cross Section

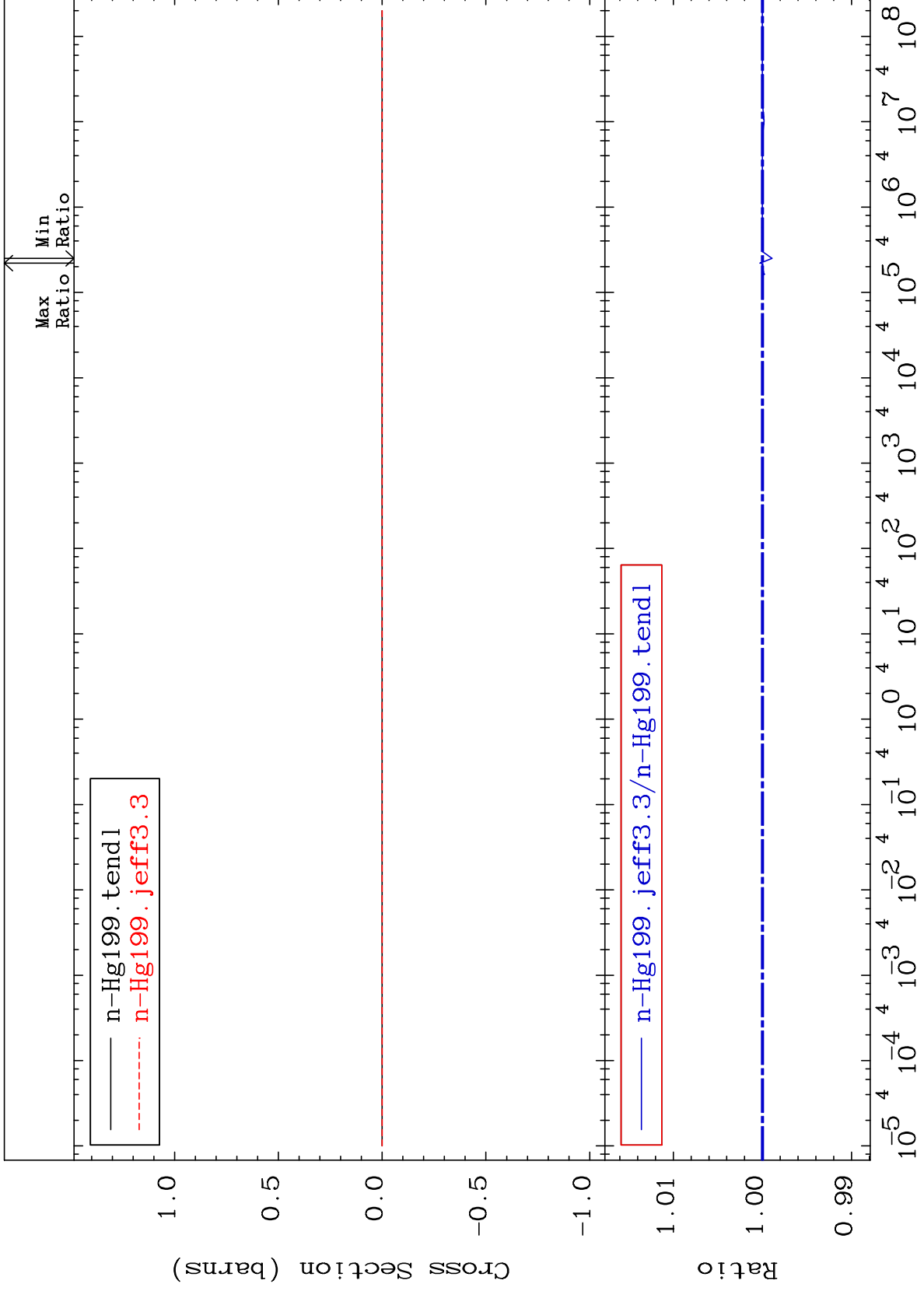
80-Hg-199
-0.109 To 0.028 %



MAT 8034

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

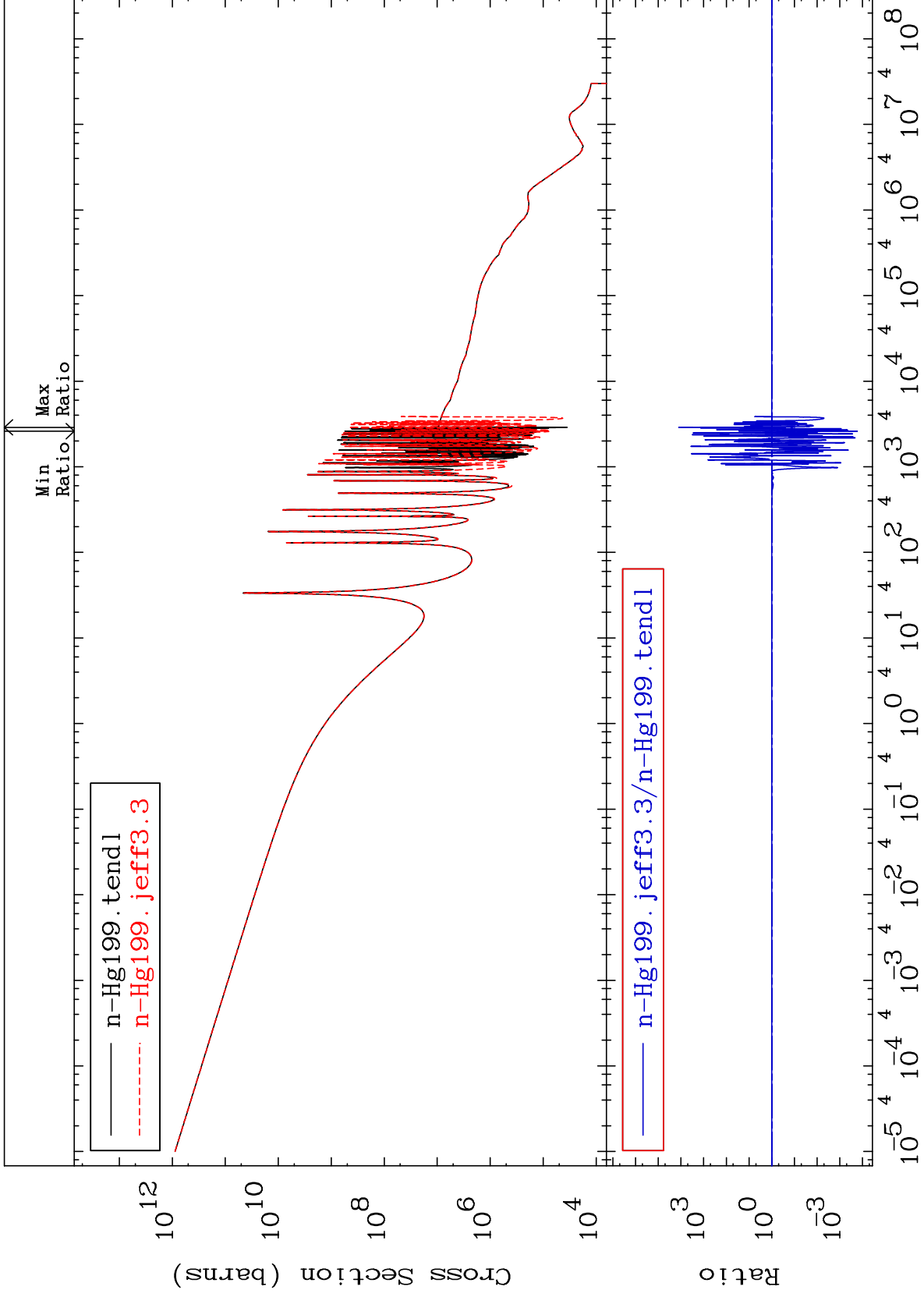
80-Hg-199
-0.109 To 0.028 %



MAT 8034

Kerma capture (mt102)
Cross Section

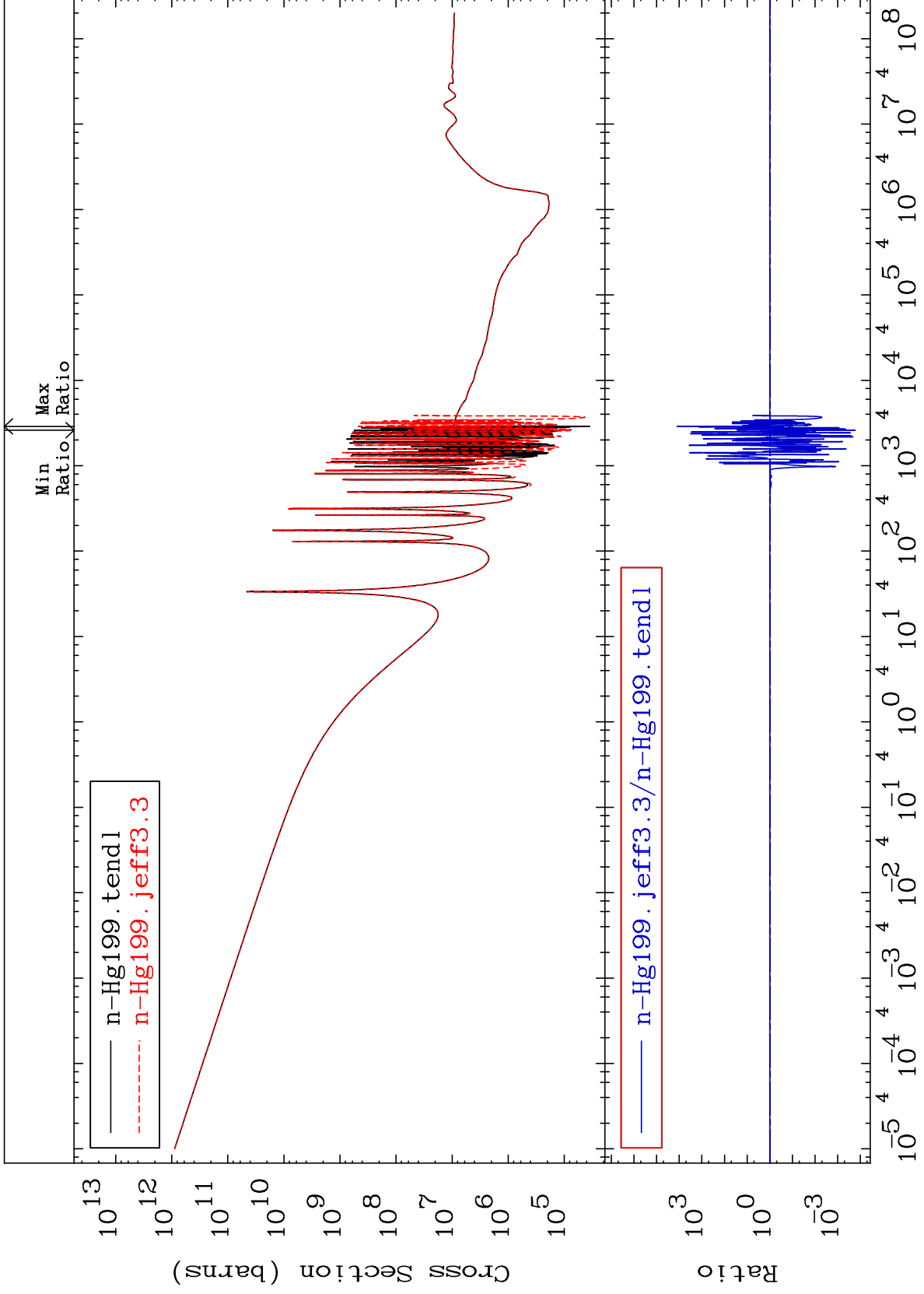
80-Hg-199
-99.98 To 9999. %

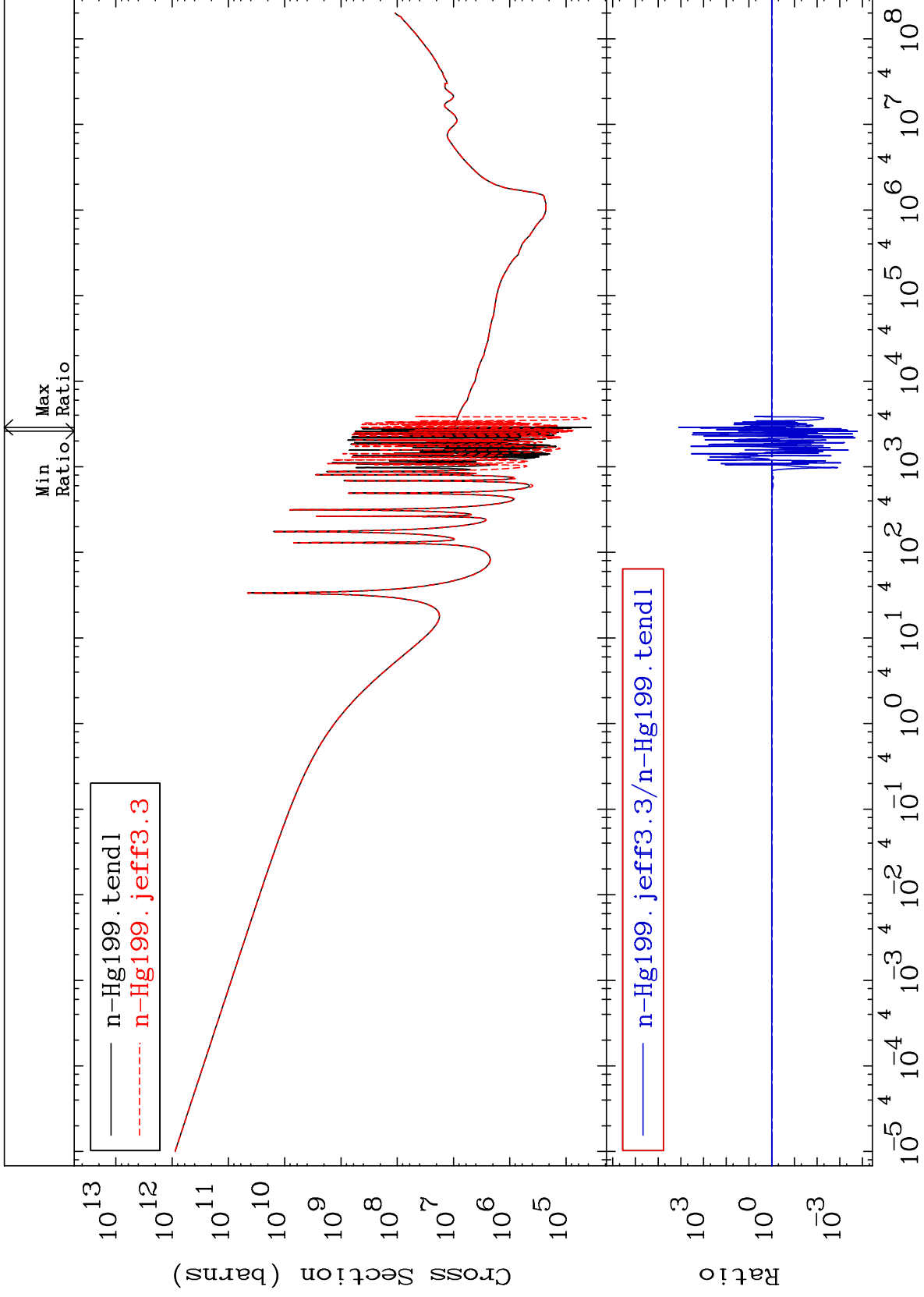


MAT 8034

Total photon (eV-barns)
Cross Section

80-Hg-199
-99.98 To 9999. %

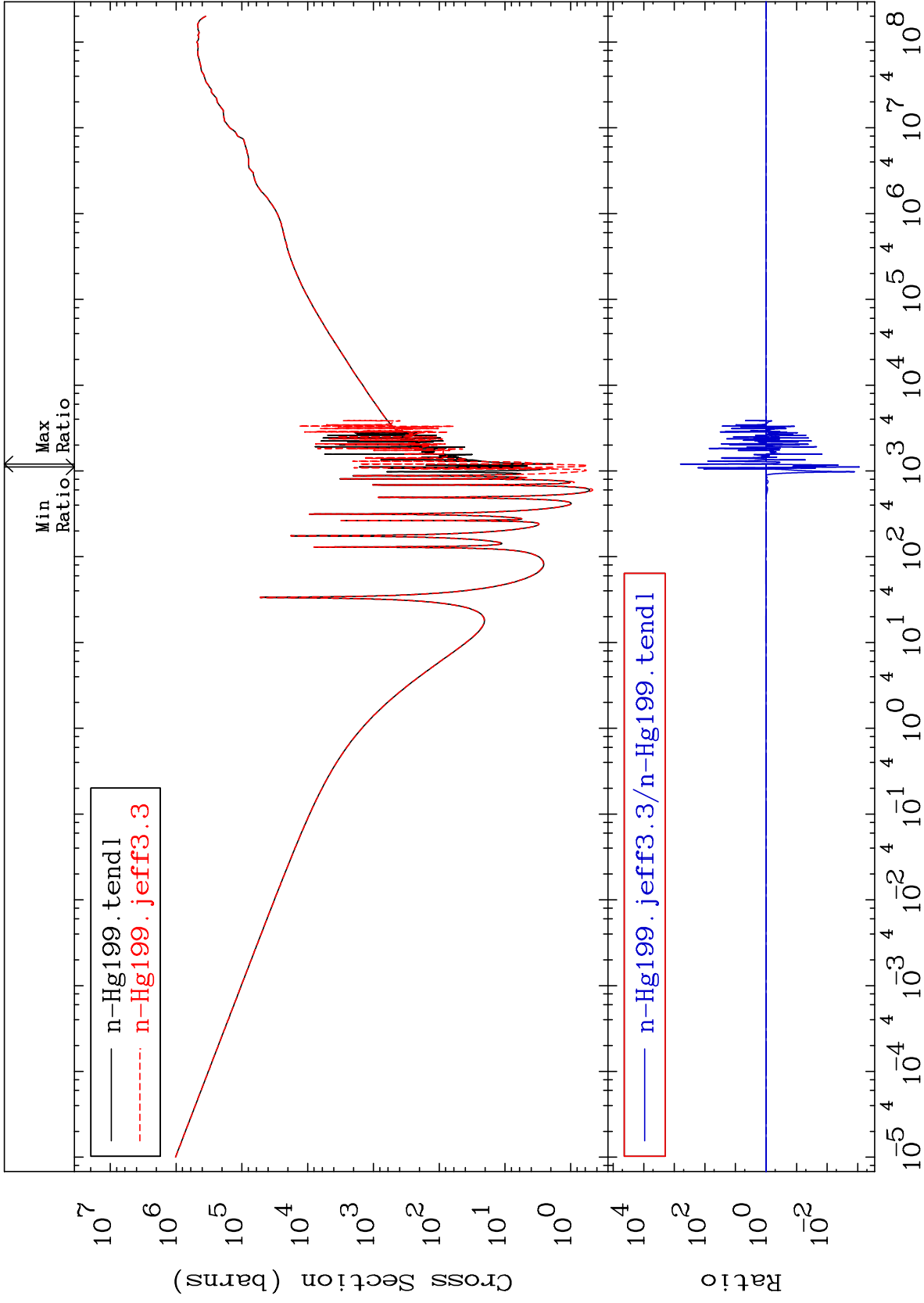




MAT 8034

Dpa total (eV-barns)
Cross Section

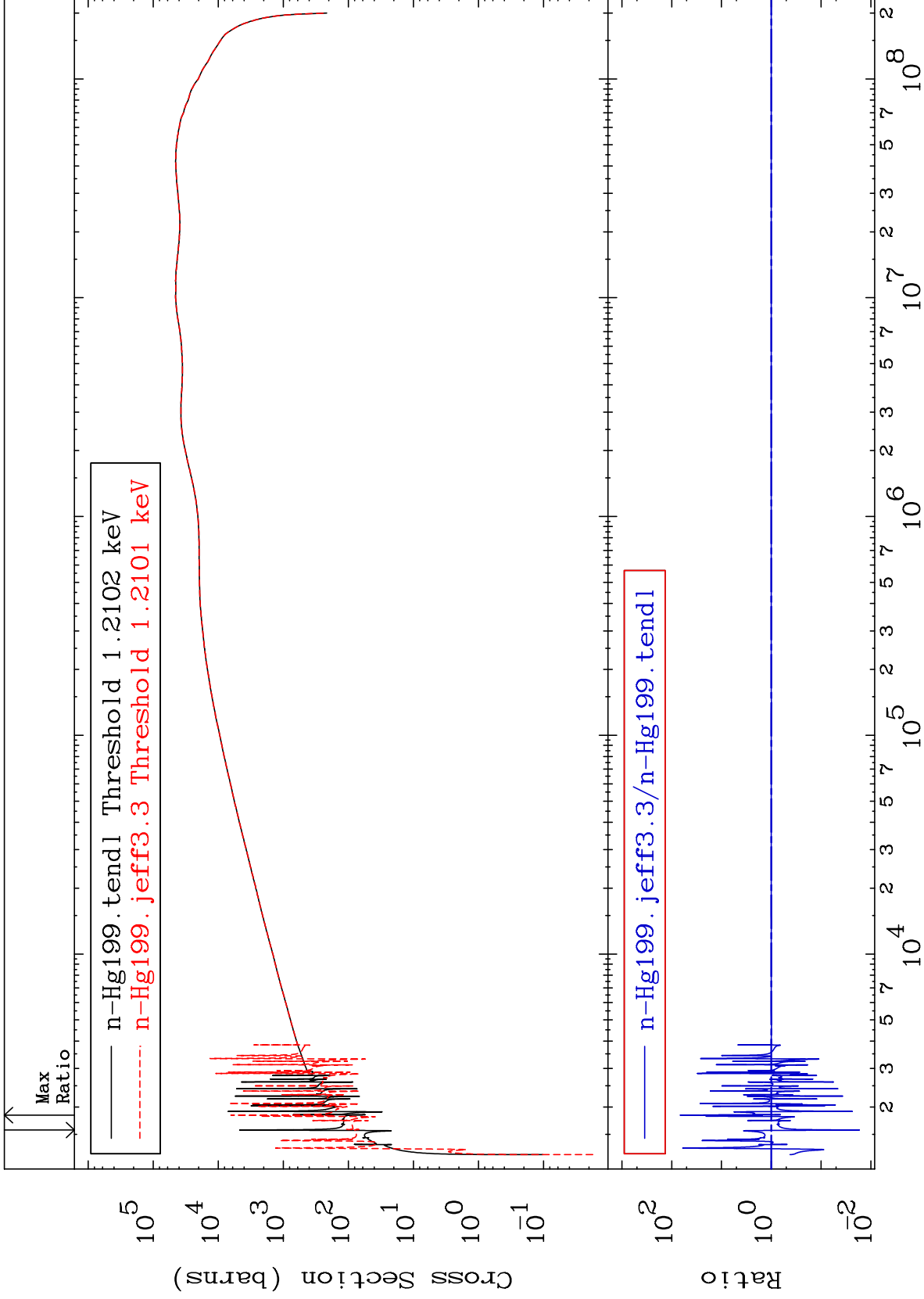
80-Hg-199
-99.91 To 9999. %

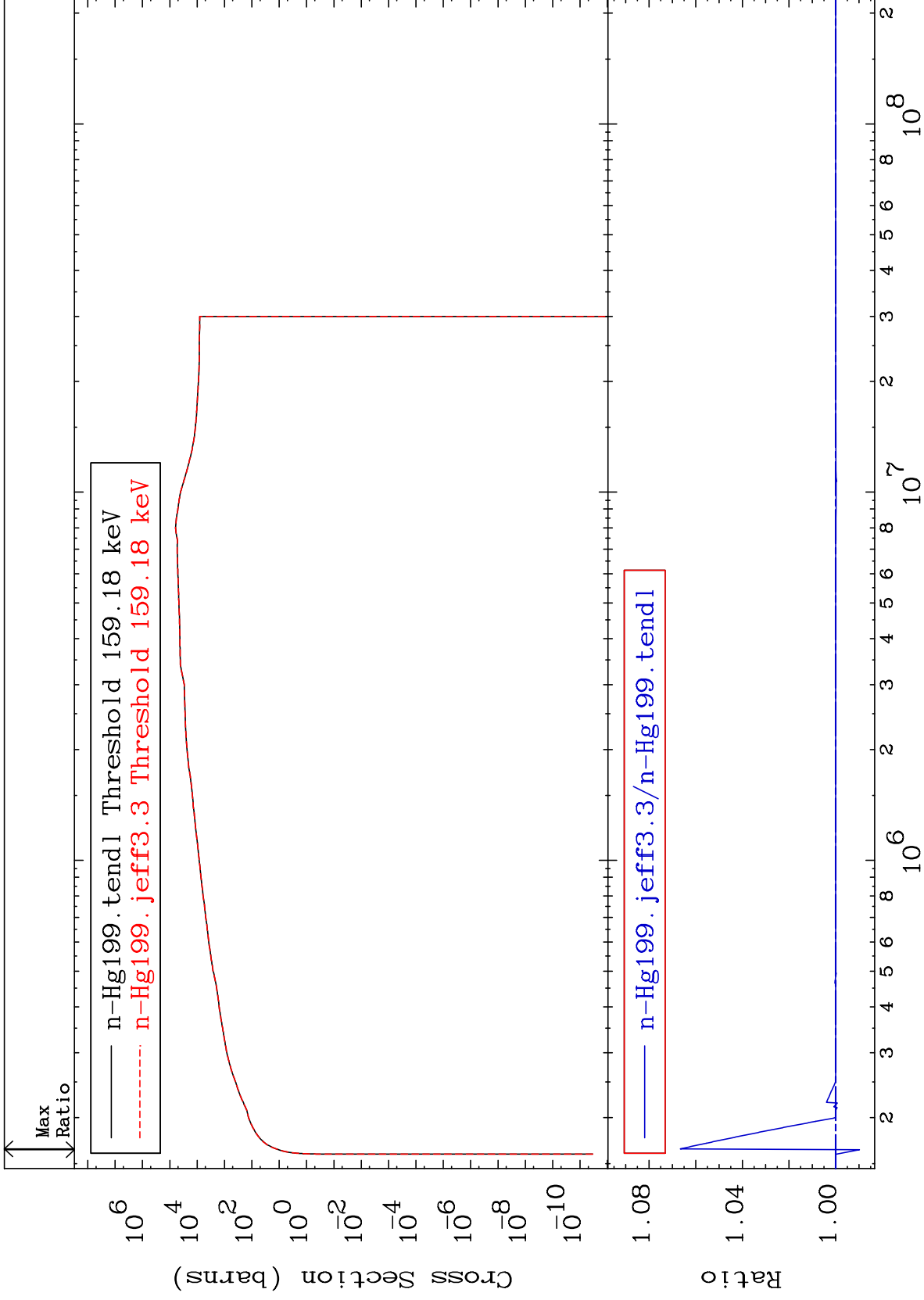


MAT 8034

Dpa elastic (mt2)
Cross Section

80-Hg-199
-98.30 To 6595. %

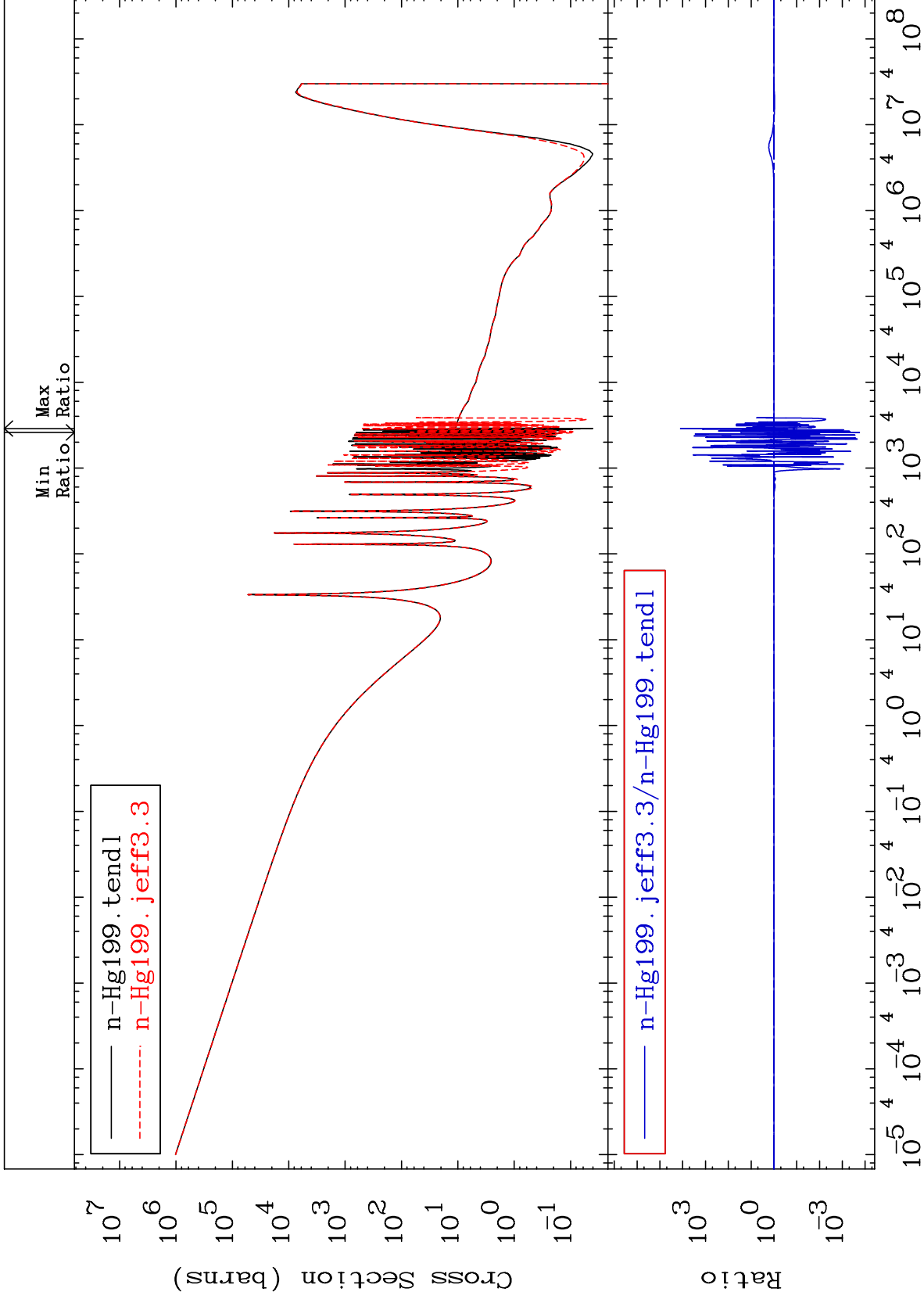




MAT 8034

Dpa disappearance (mt102 -120)
Cross Section

80-Hg-199
-99.98 To 9999. %



60

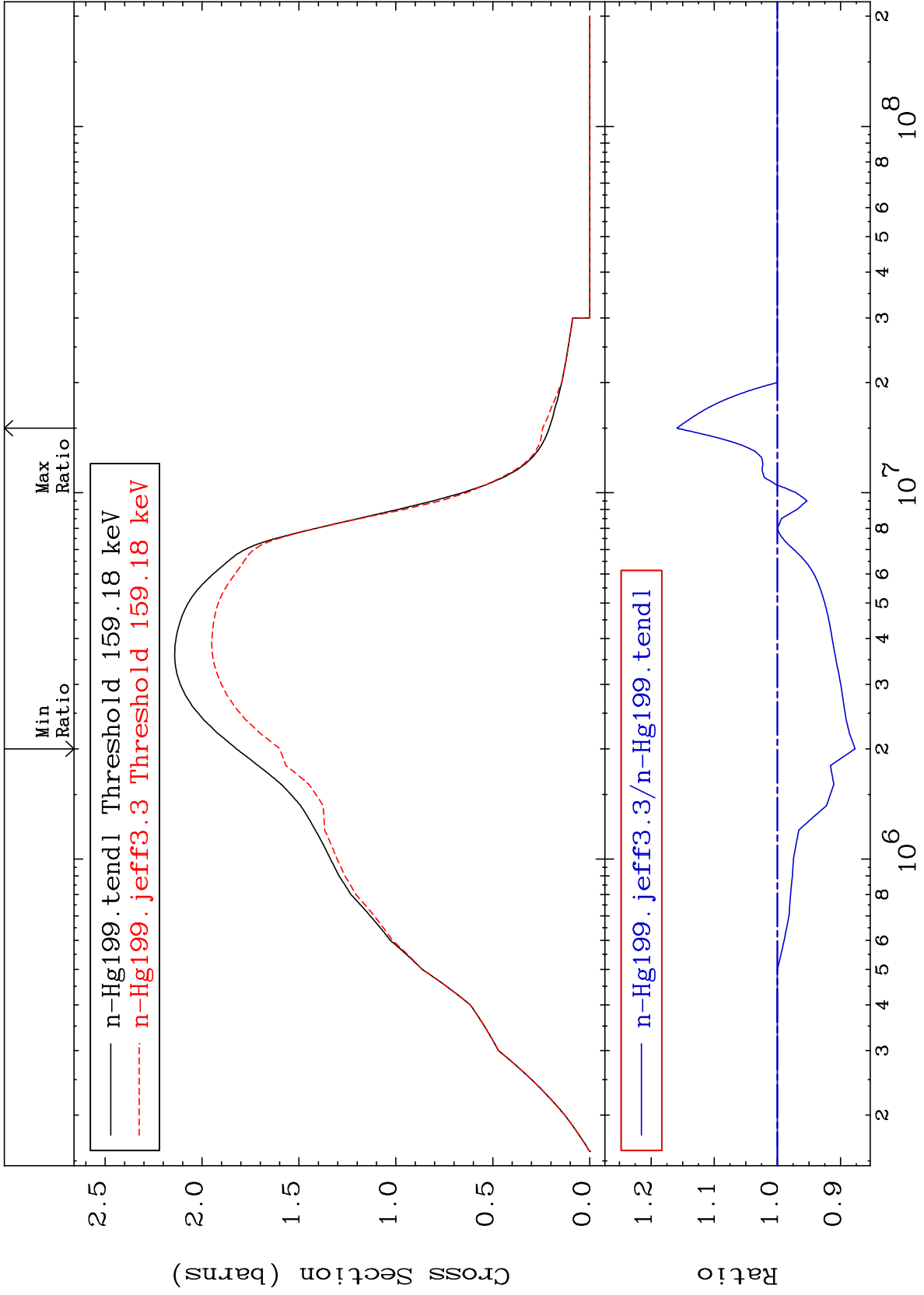
Incident Energy (eV)

80-Hg-199

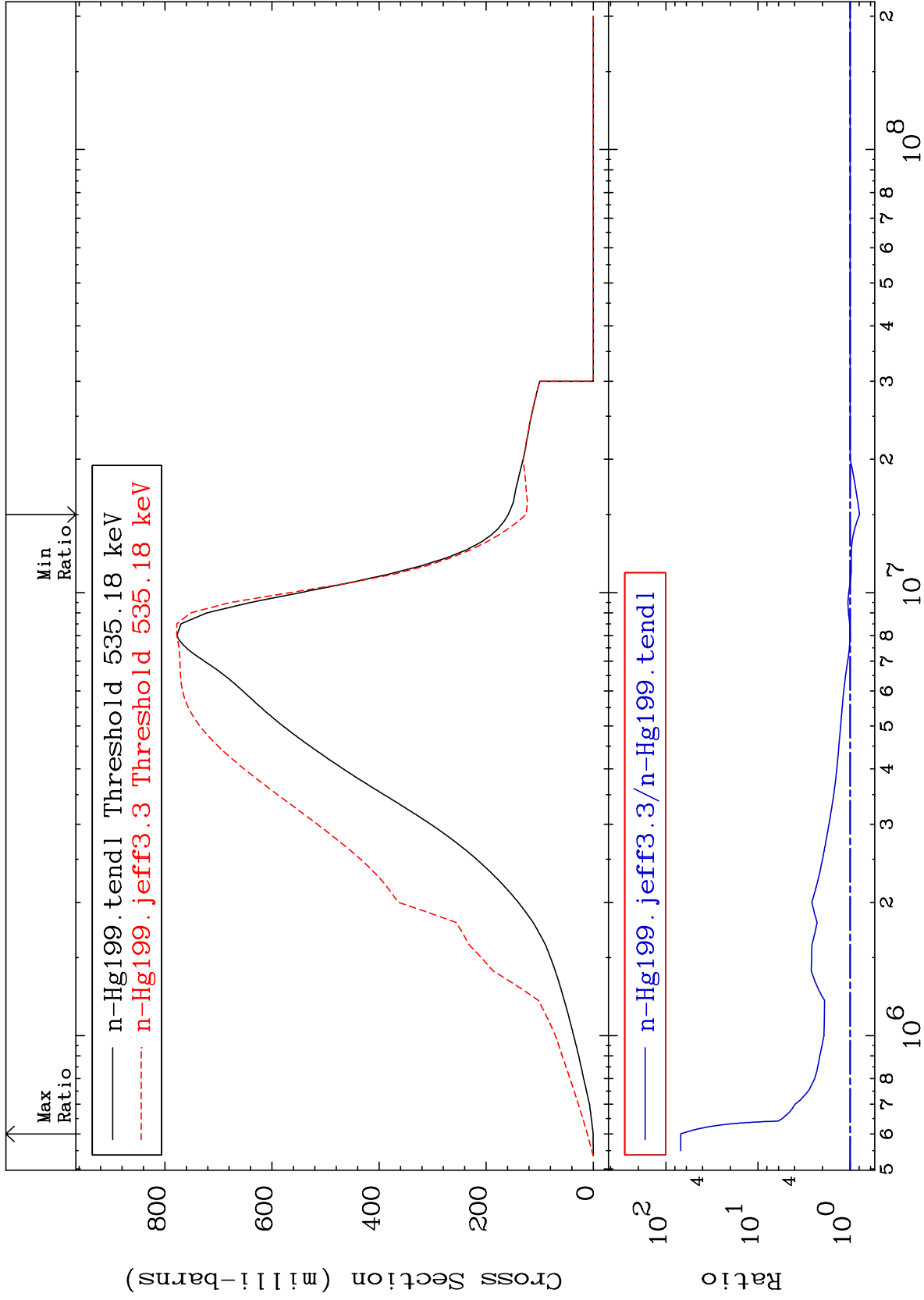
MAT 8034

Inelastic:80-Hg-199
Radionuclide Production Cross Section -12.31 To 15.90 %

80-Hg-199



Radionuclide Production Cross Section -20.99 To 6805. %

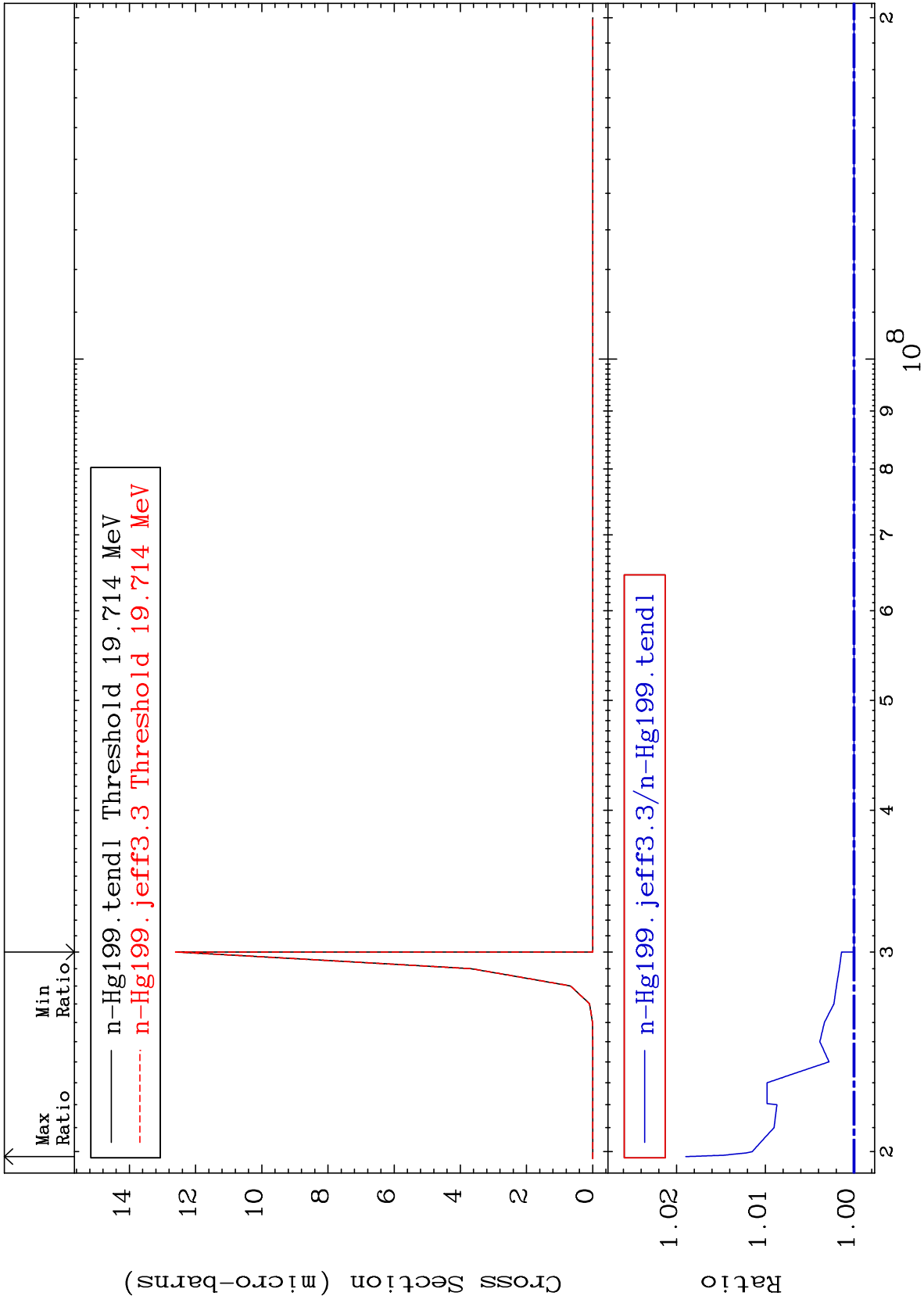


MAT 8034

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

Radionuclide Production Cross Section 0.000 To 1.896 %

80-Hg-199

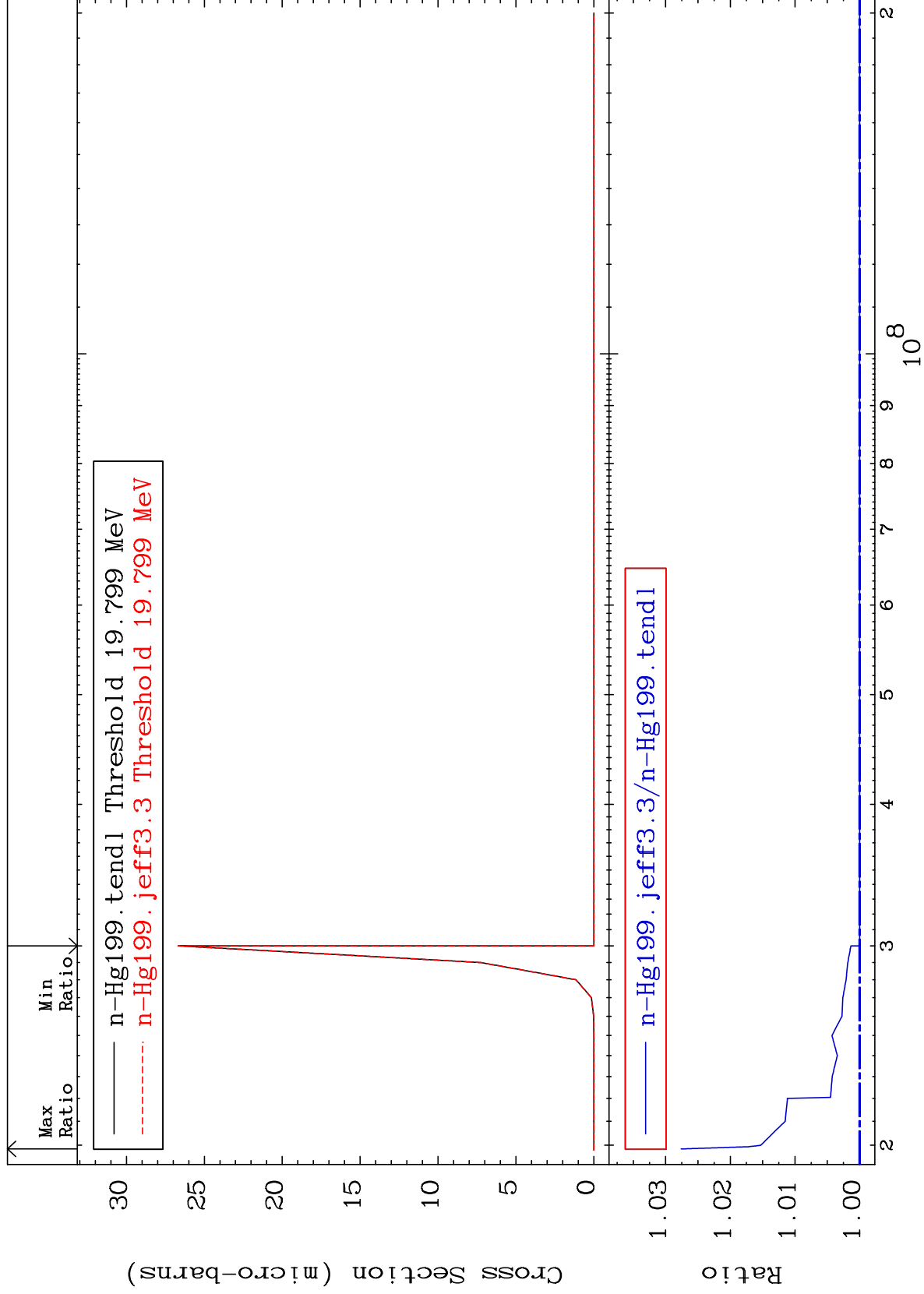


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 2.760 %

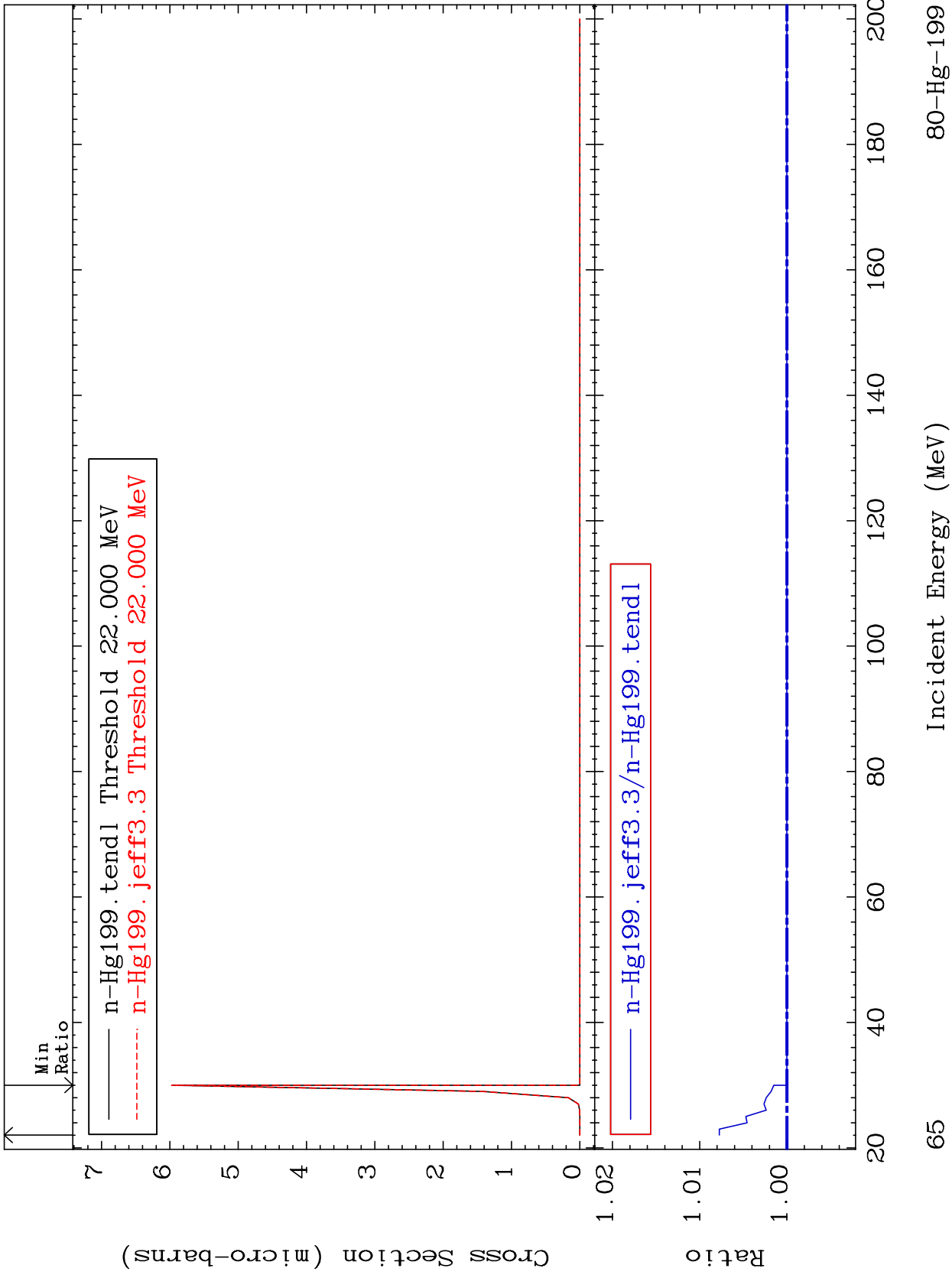


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 0.776 %



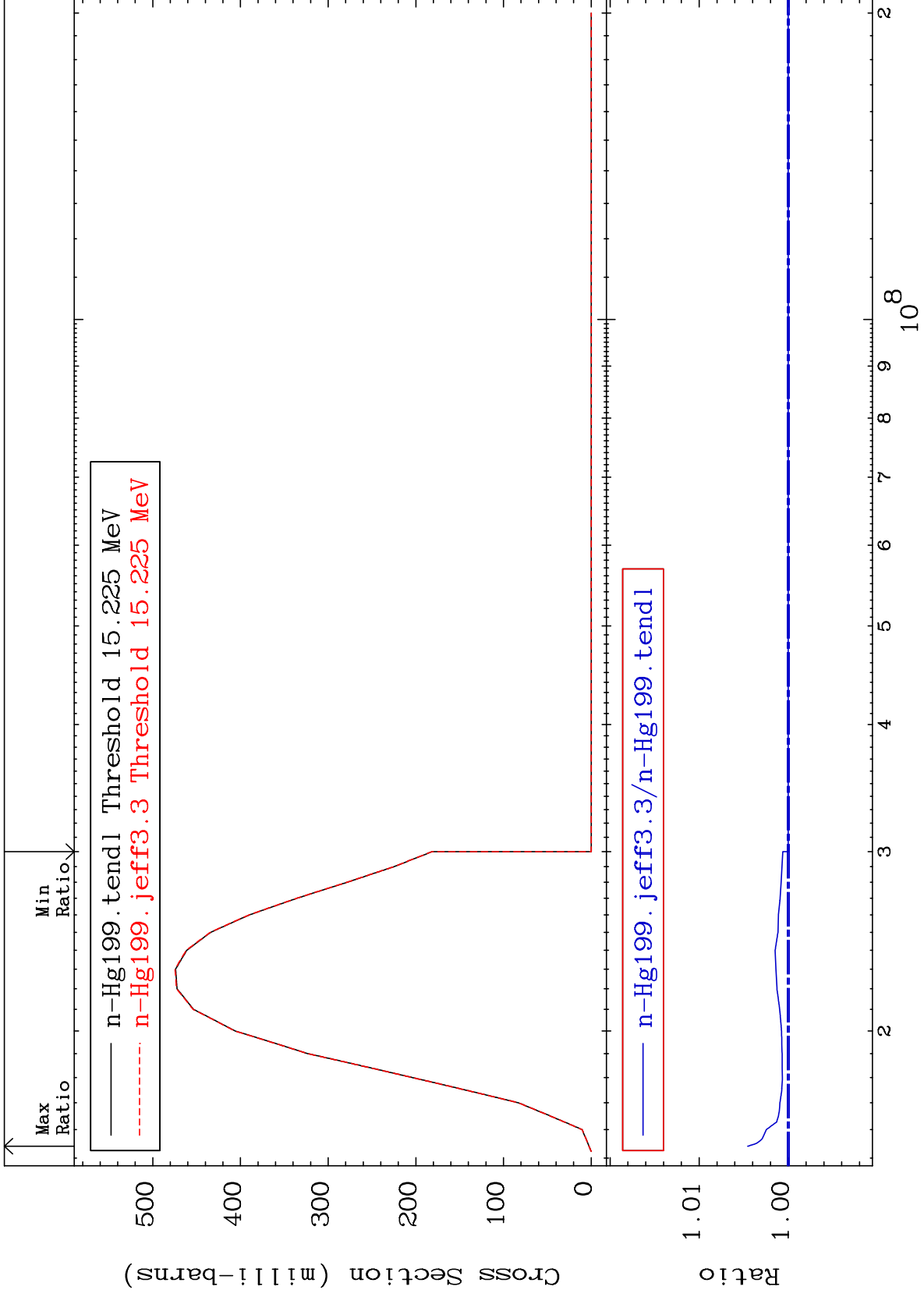
65

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 0.456 %

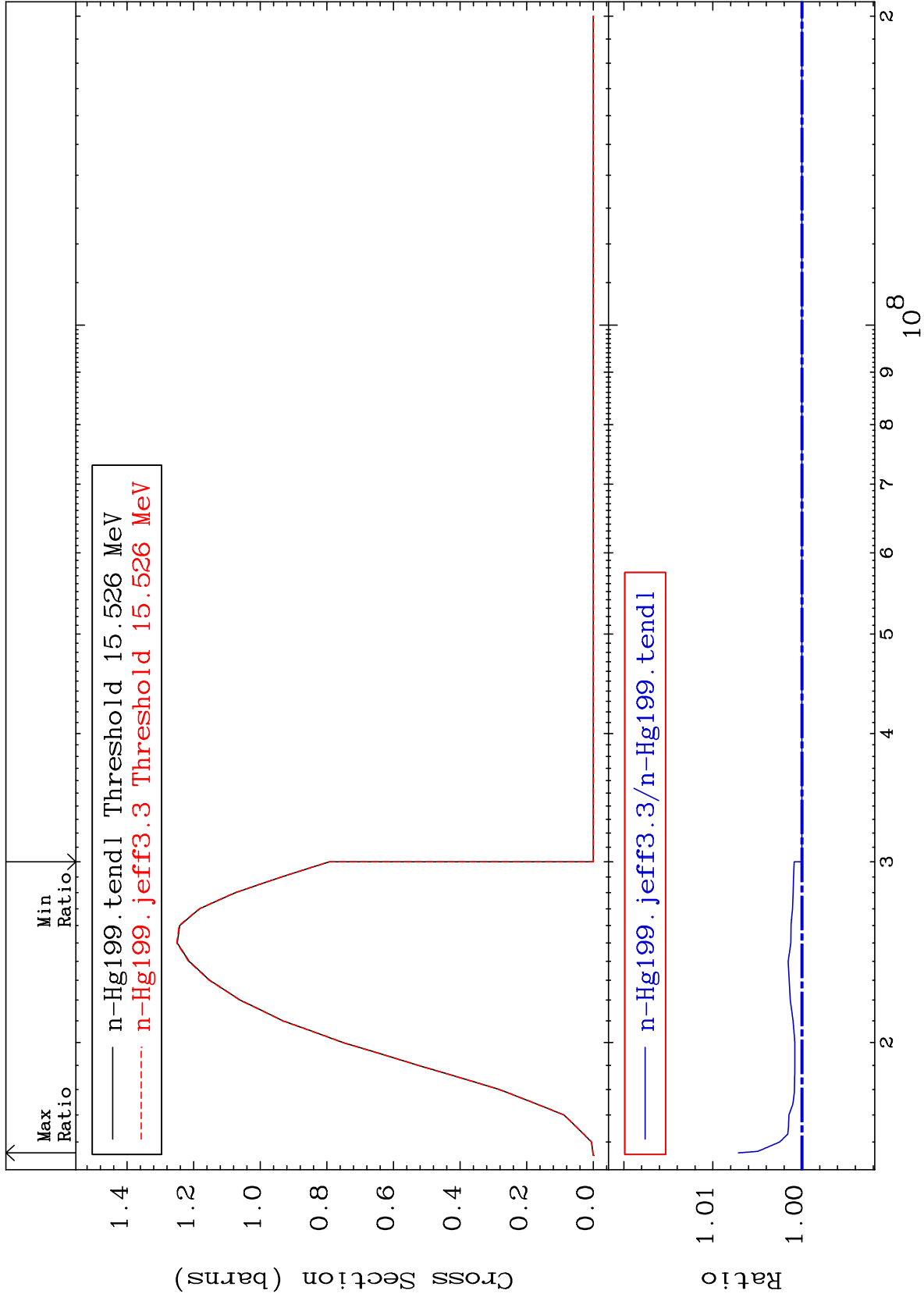


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 0.713 %

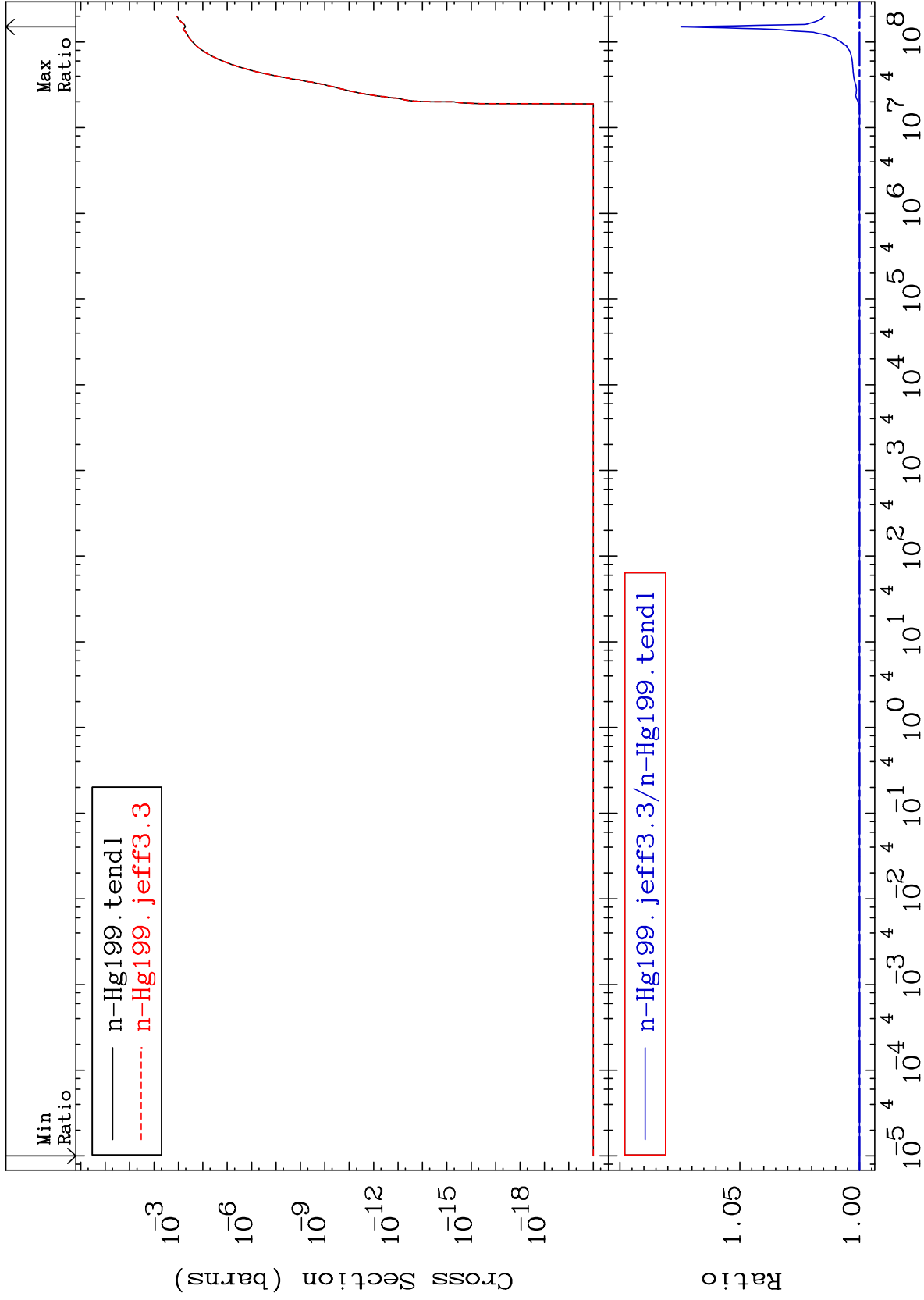


MAT 8034

Fission: Photon

80-Hg-199

Radionuclide Production Cross Section 0.000 To 7.463 %

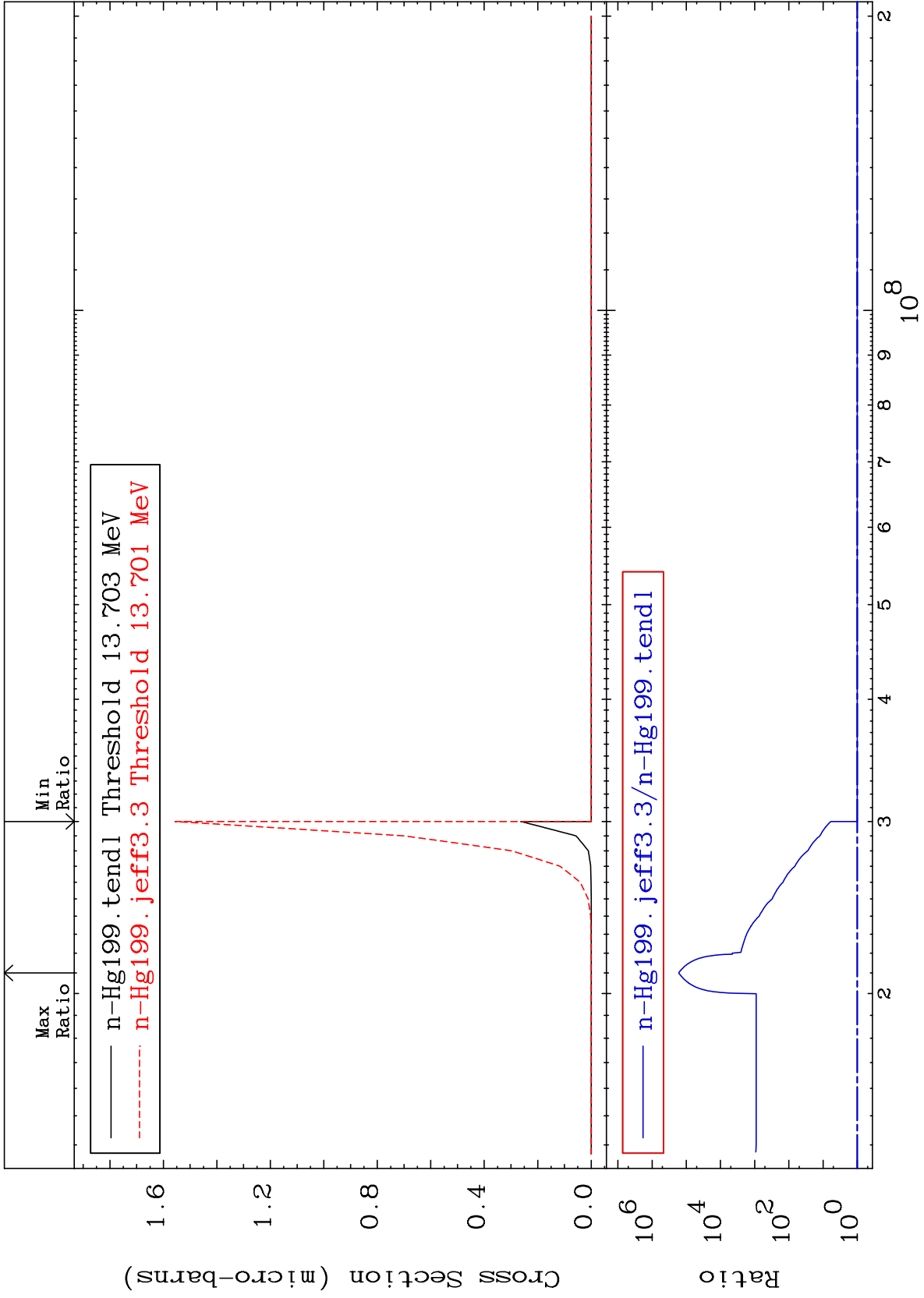


MAT 8034

(n,3n) α : 78-Pt-193g

80-Hg-199
To 9999. %

Radionuclide Production Cross Section 0.000

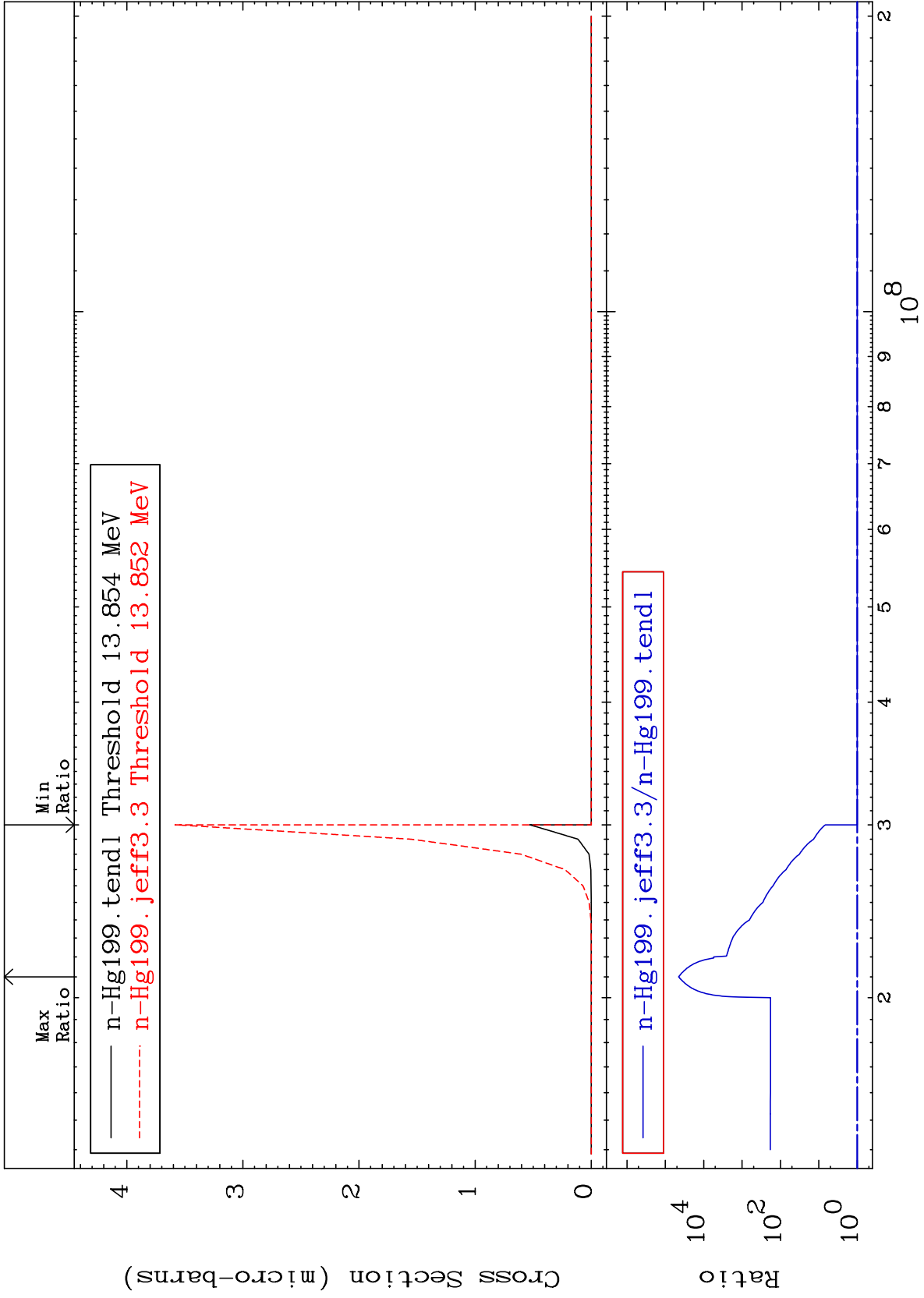


MAT 8034

(n,3n) α : 78-Pt-193m5

80-Hg-199

Radionuclide Production Cross Section 0.000 To 9999. %



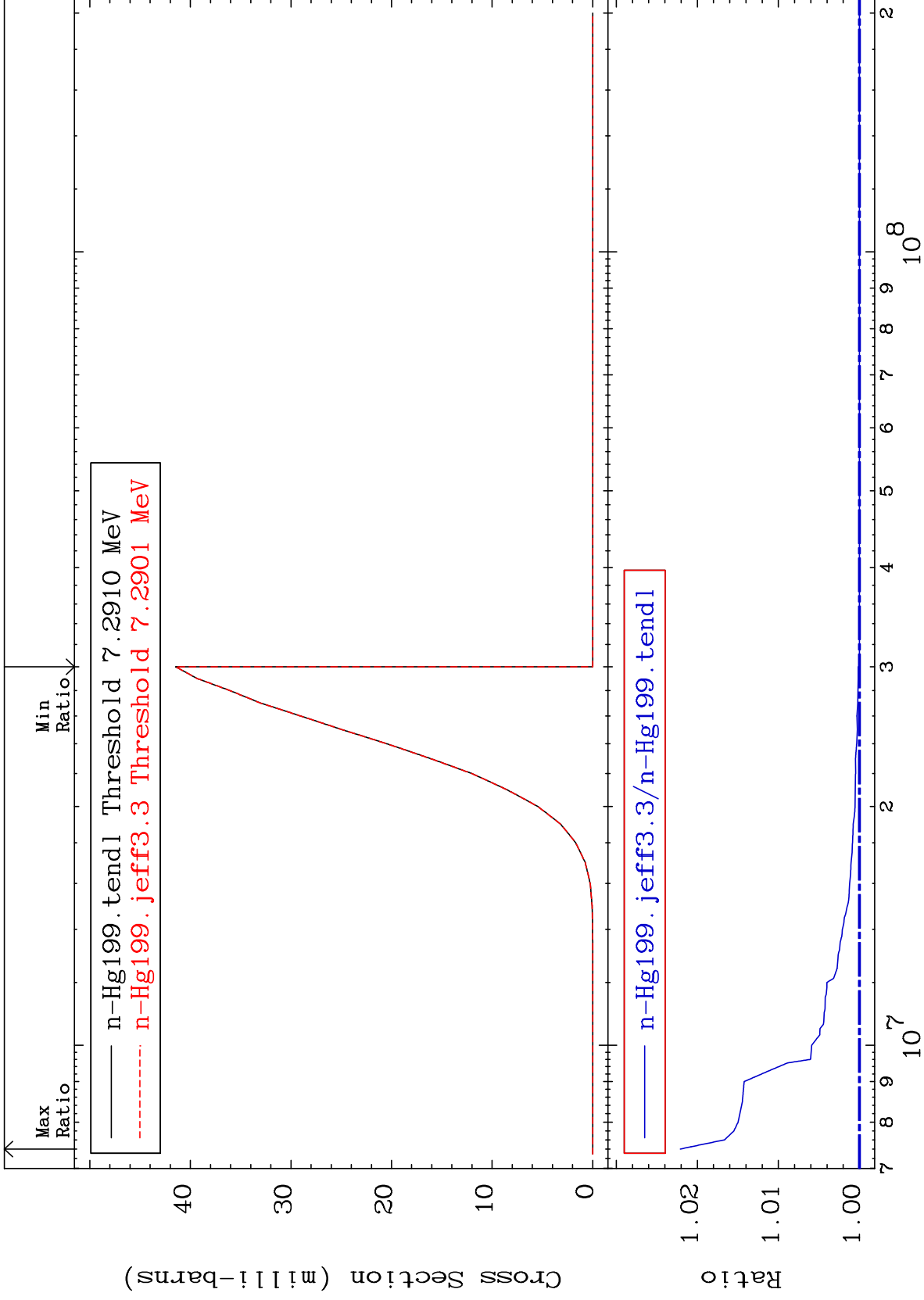
70

MAT 8034

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

Radionuclide Production Cross Section 0.000 To 2.210 %

80-Hg-199



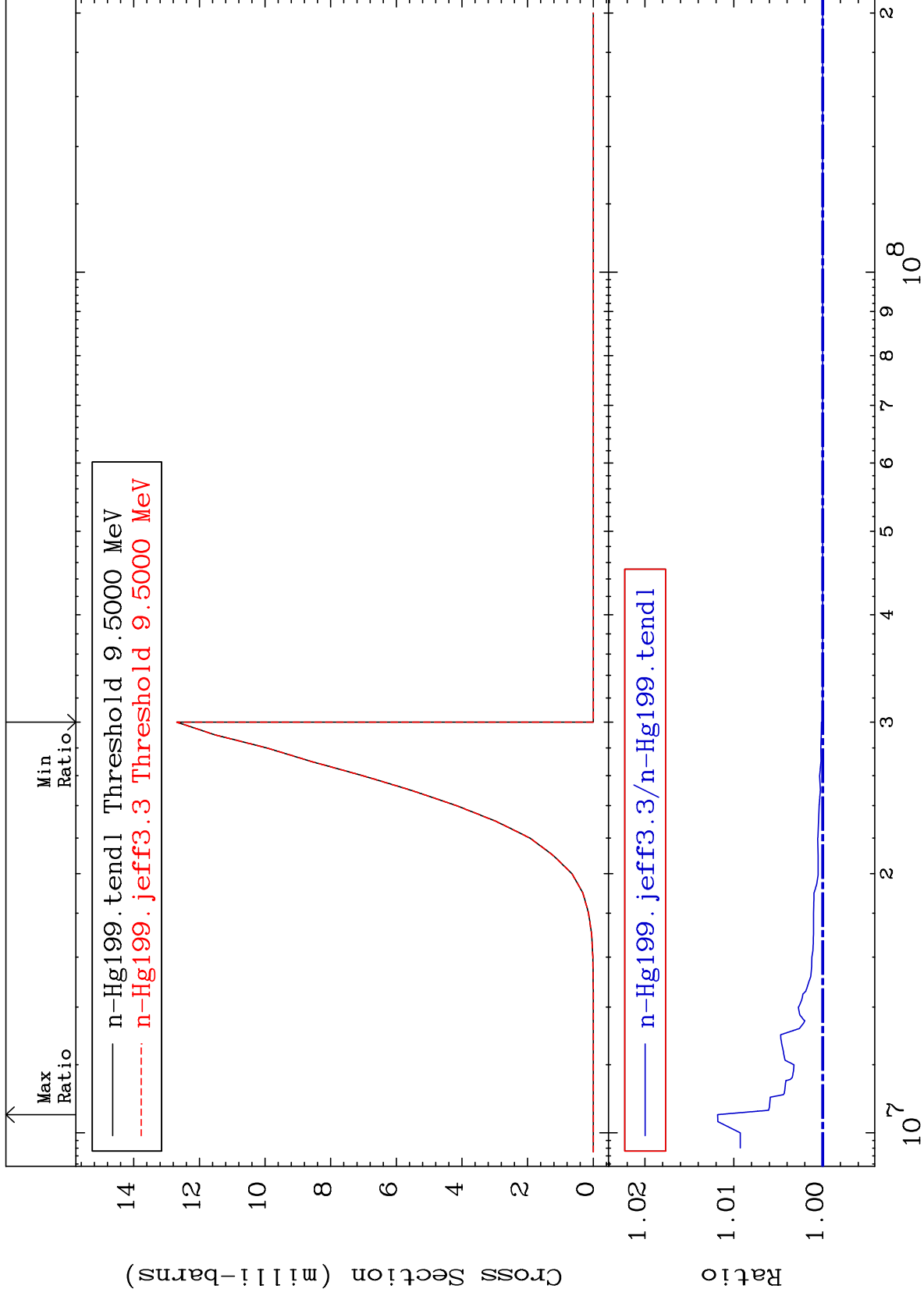
71

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 1.181 %



72

Incident Energy (eV)

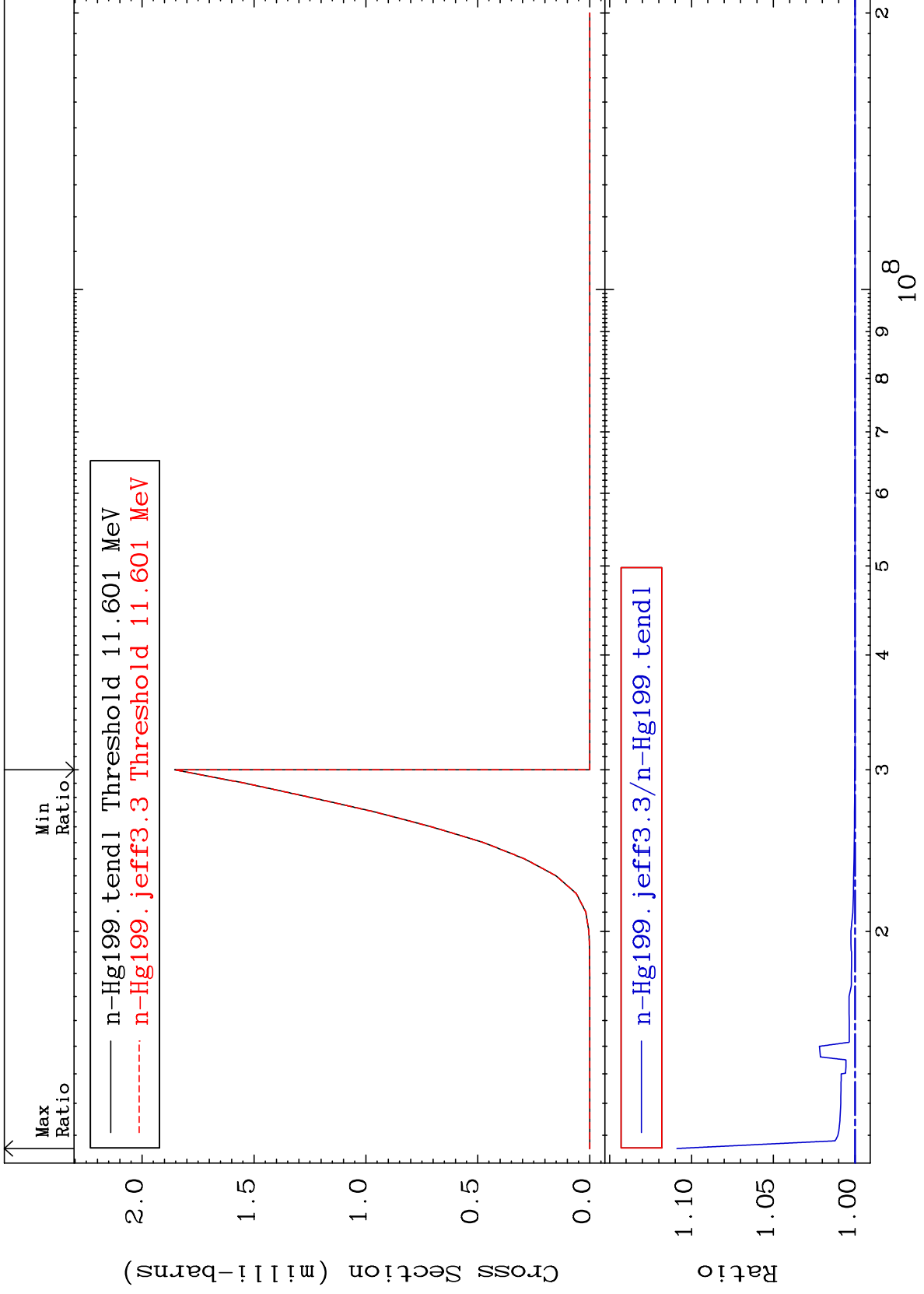
80-Hg-199

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 10.89 %

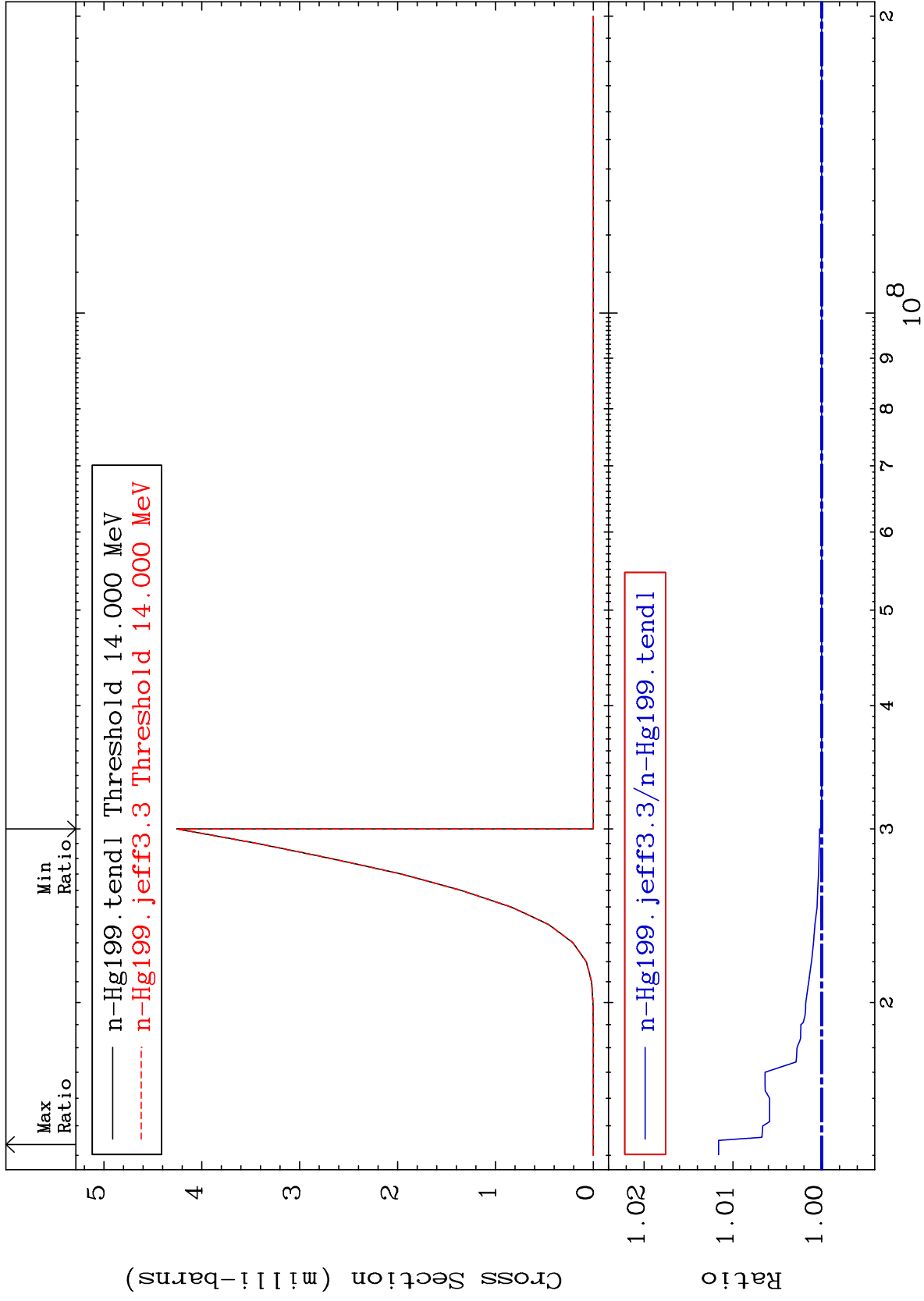


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 1.161 %



74

Incident Energy (eV)

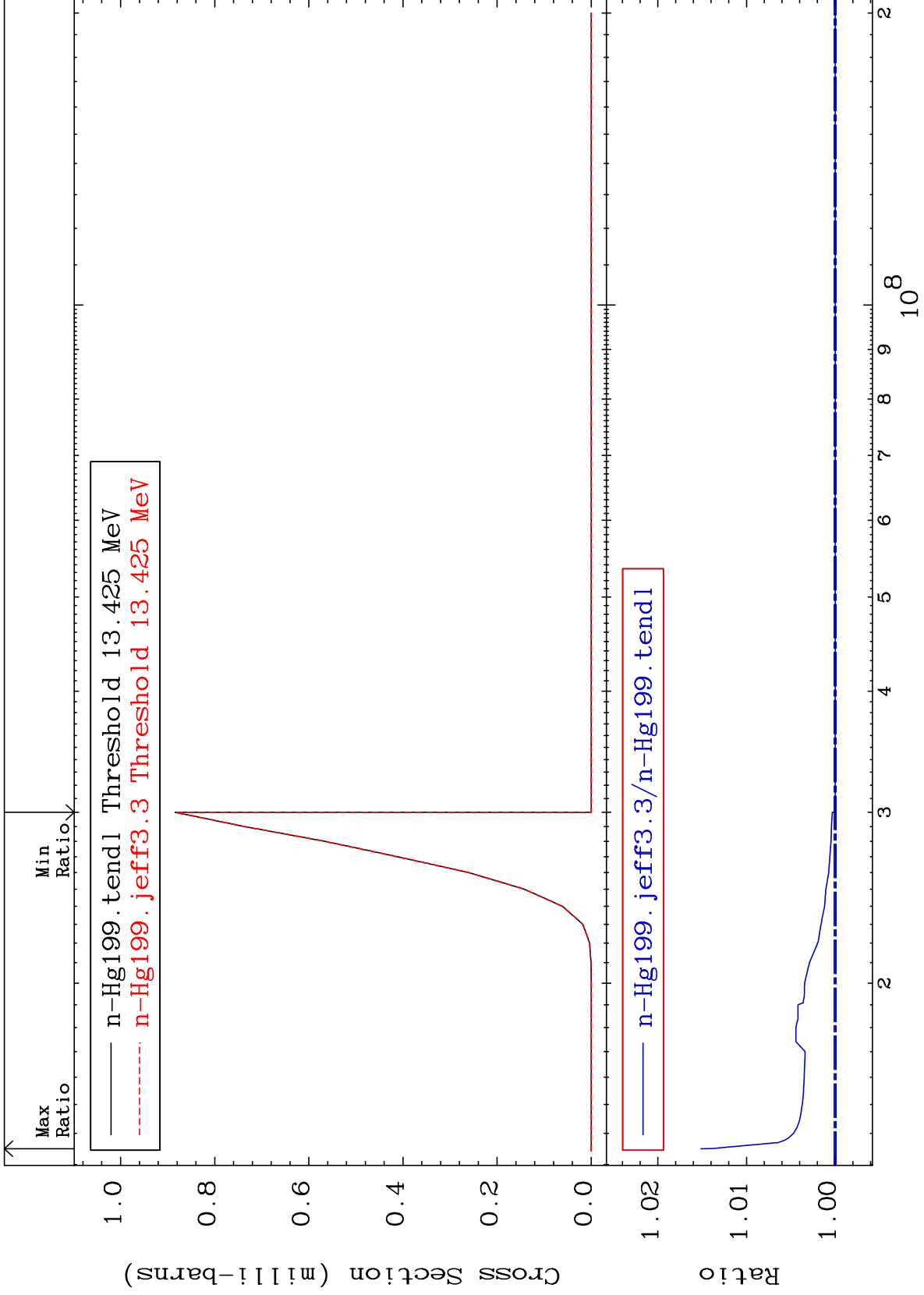
80-Hg-199

MAT 8034

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

80-Hg-199
To 1.516 %

Radionuclide Production Cross Section 0.000



75

Incident Energy (eV)

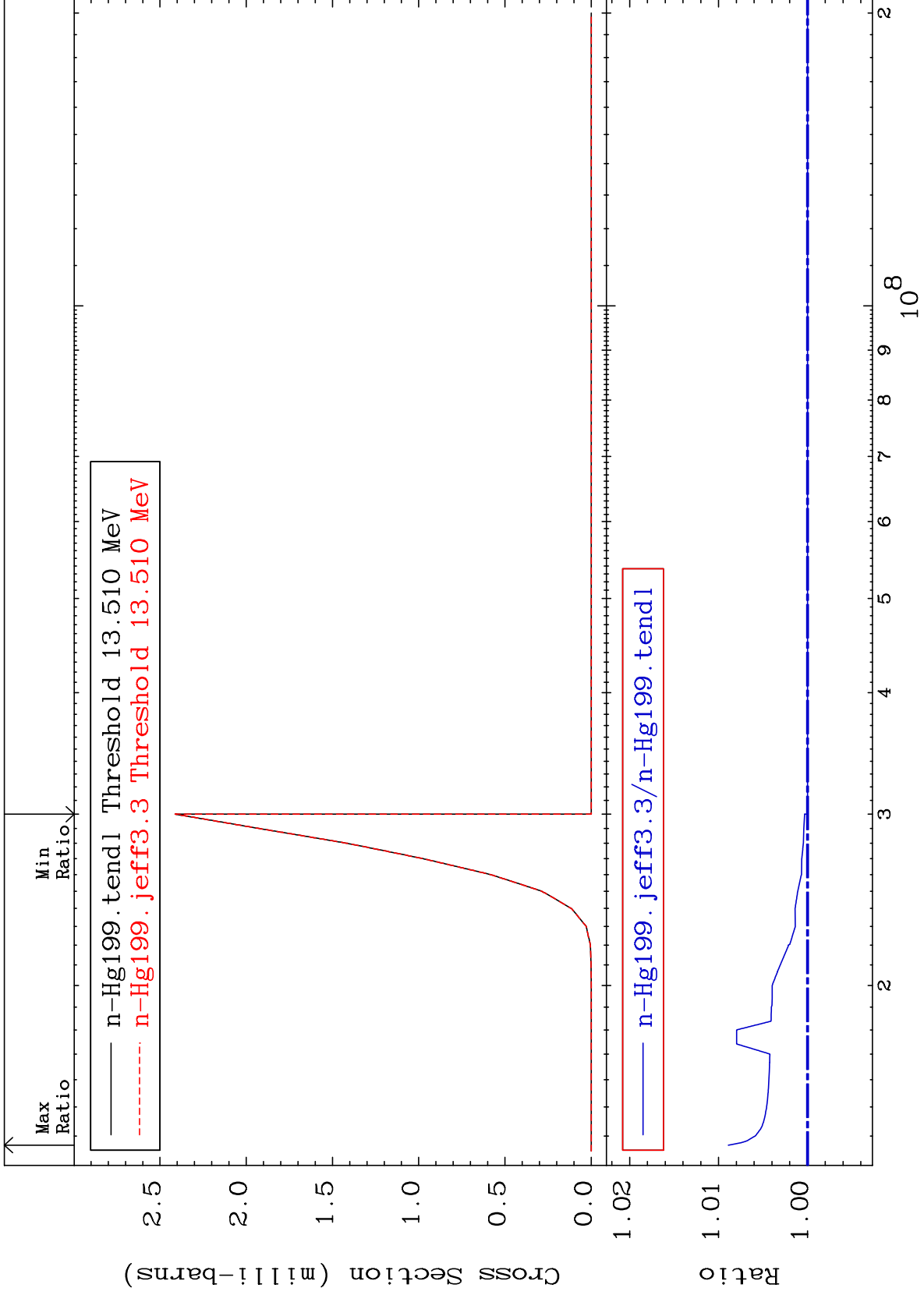
80-Hg-199

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 0.890 %

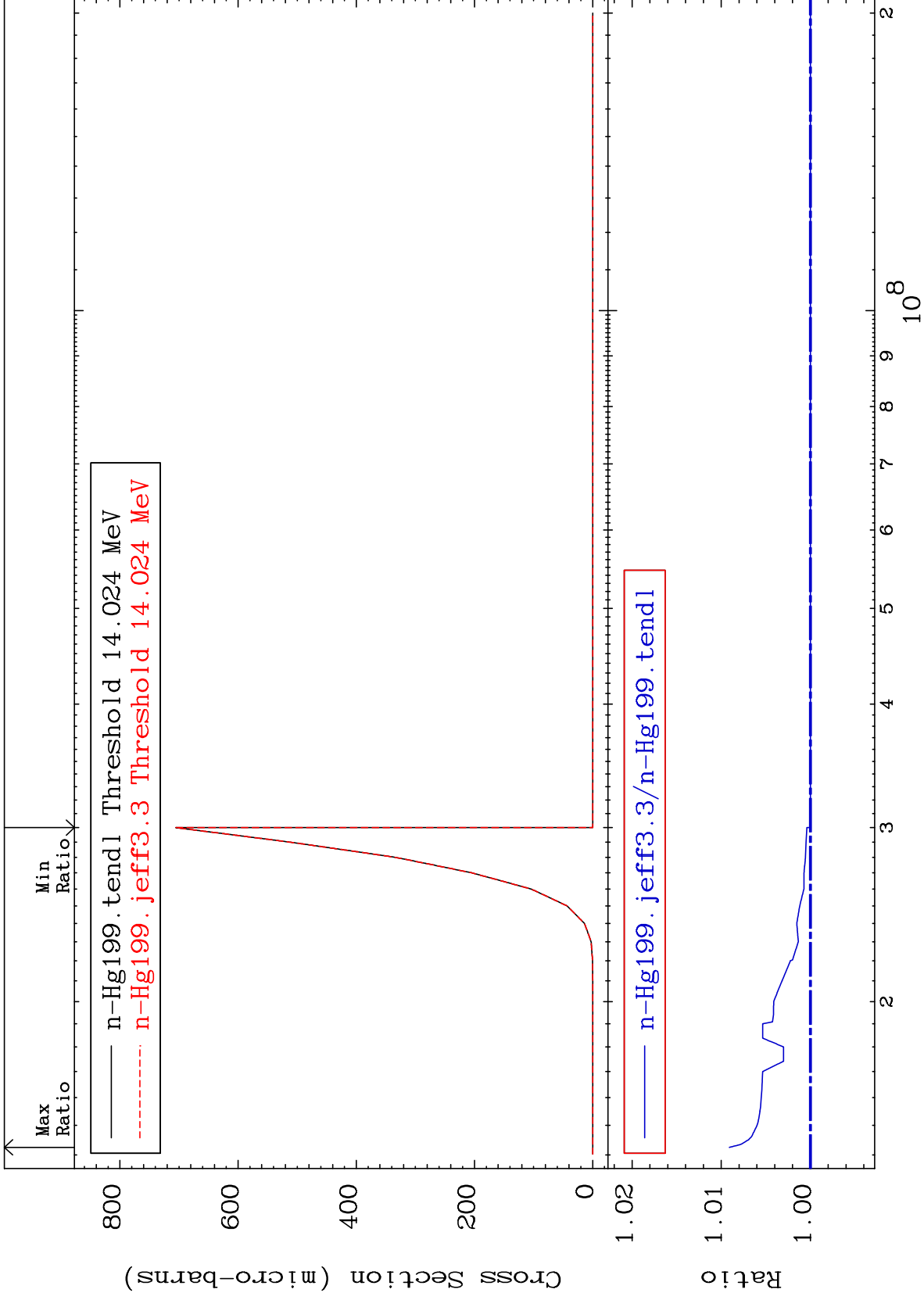


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 0.908 %

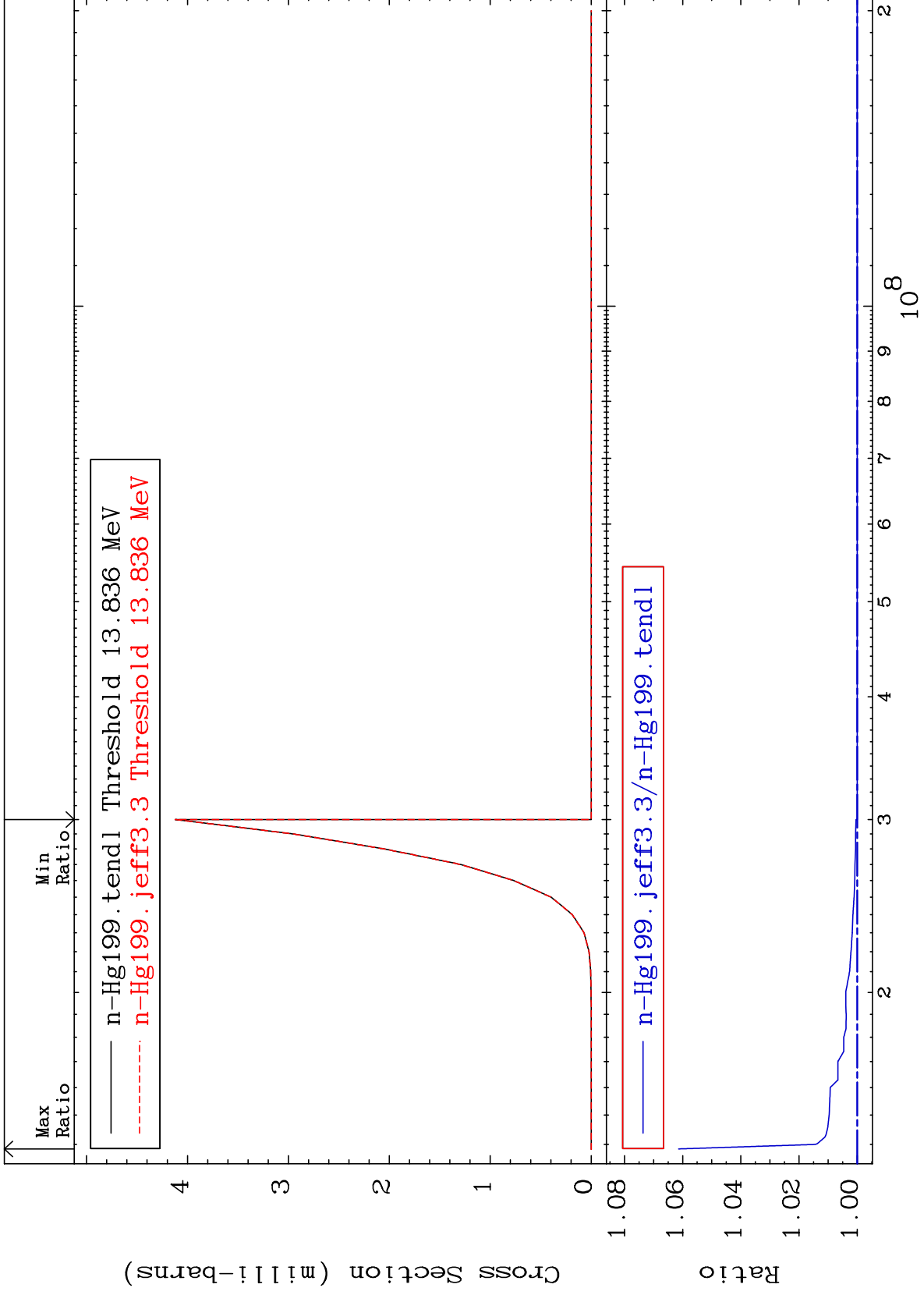


MAT 8034

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

80-Hg-199
To 6.138 %

Radionuclide Production Cross Section 0.000

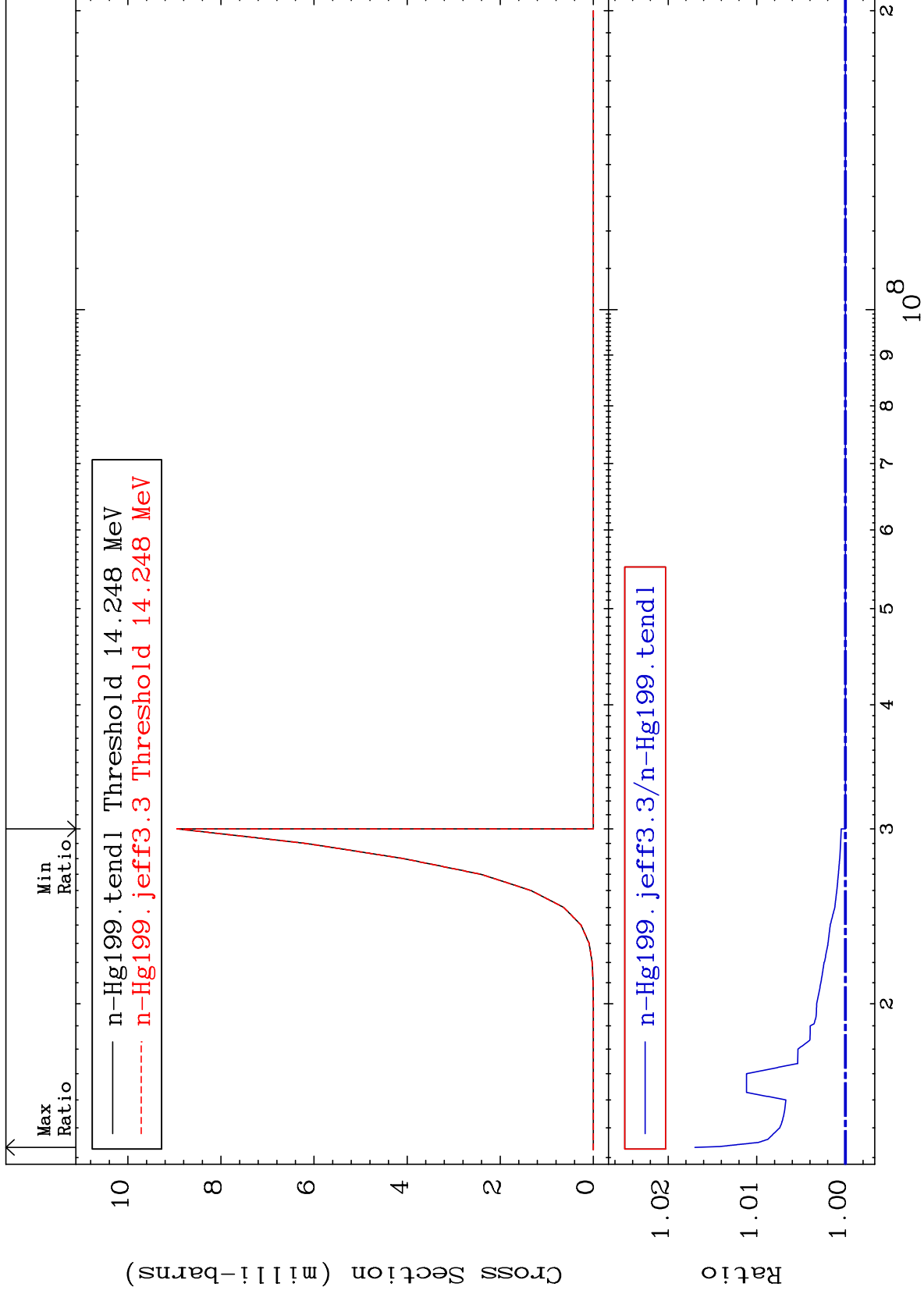


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 1.698 %



79

Incident Energy (eV)

80-Hg-199

MAT 8034

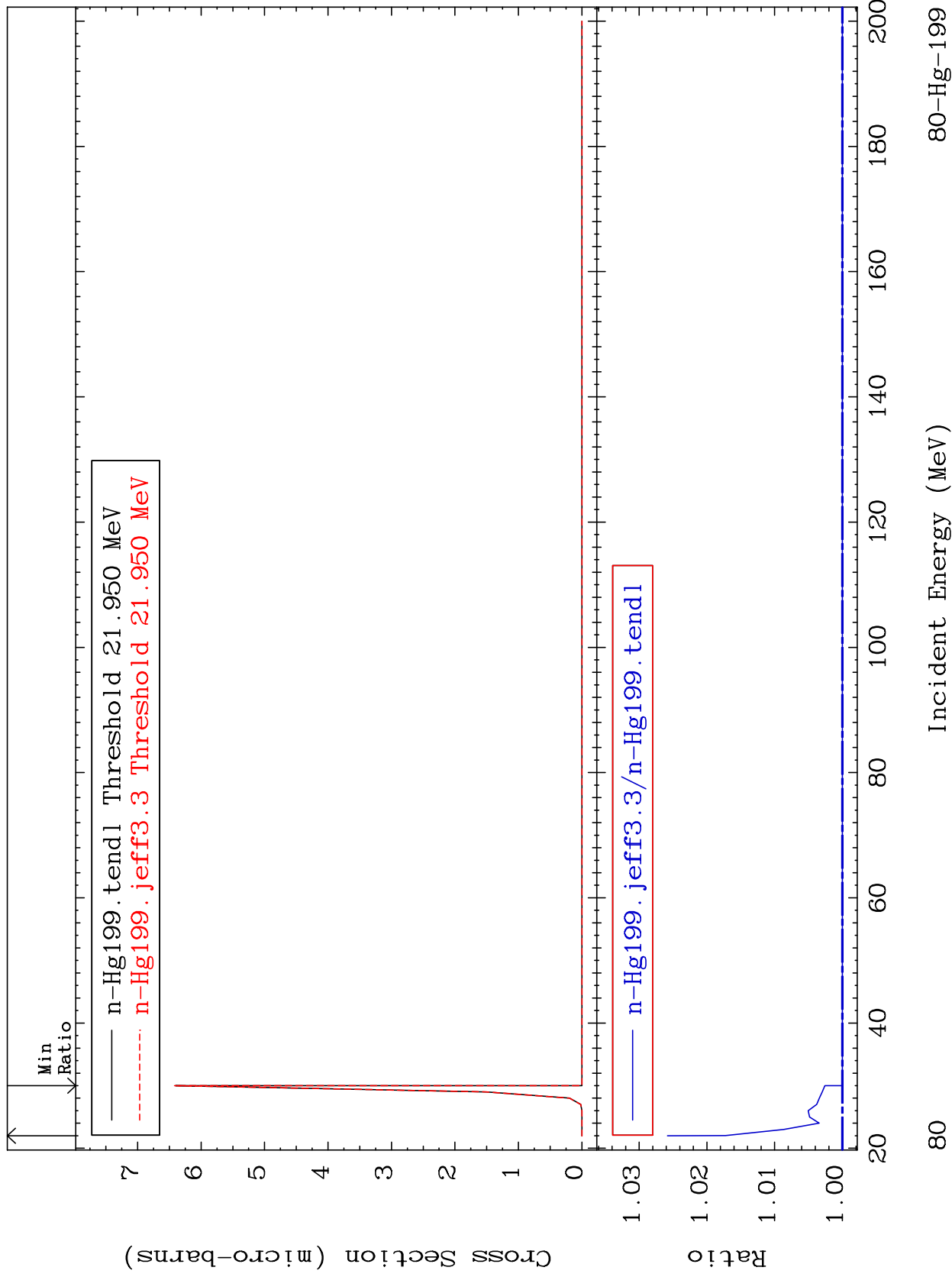
(n,3n) p:79-Au-196g

80-Hg-199

Radionuclide Production Cross Section

0.000

To 2.583 %

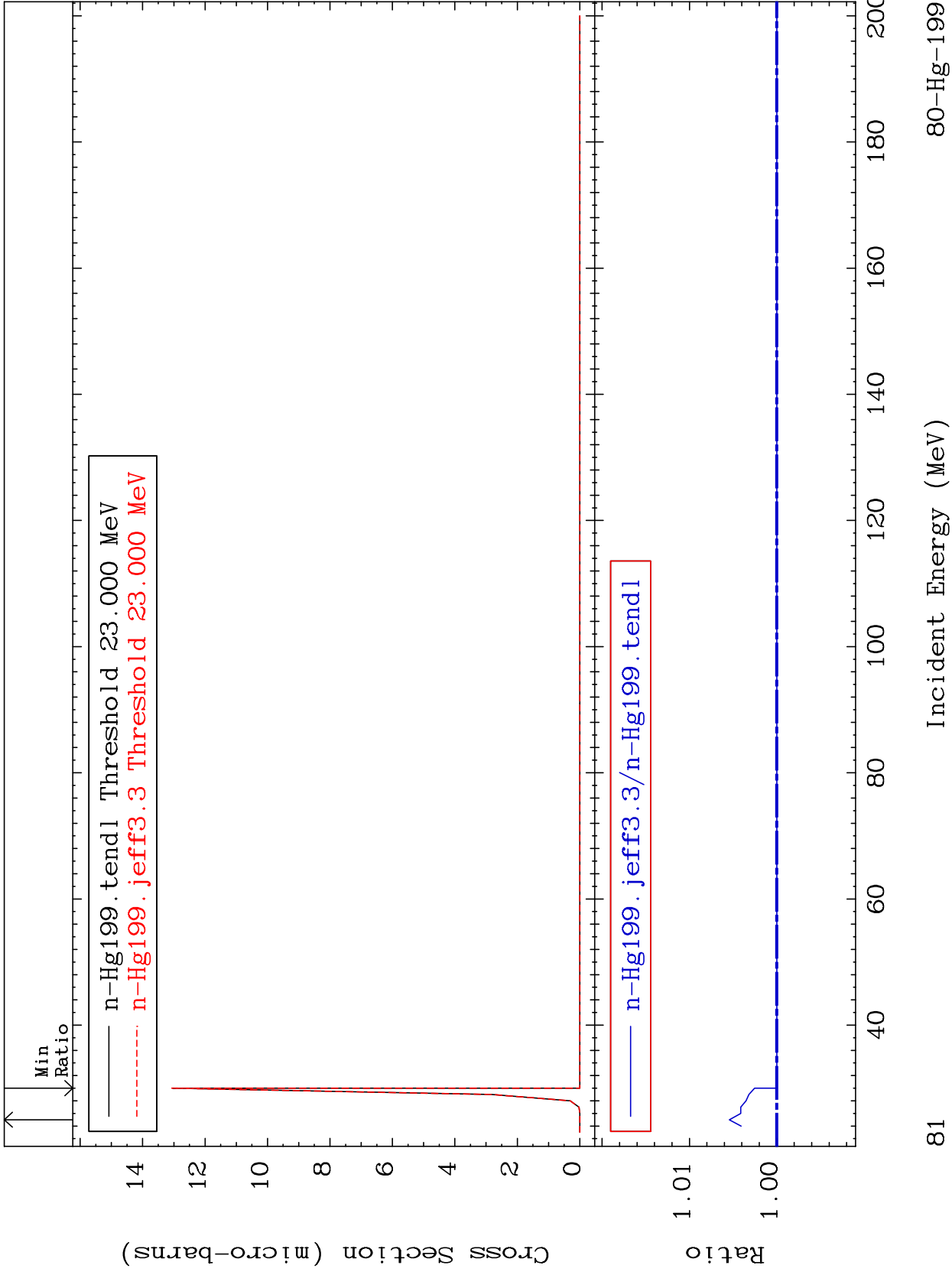


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 0.542 %

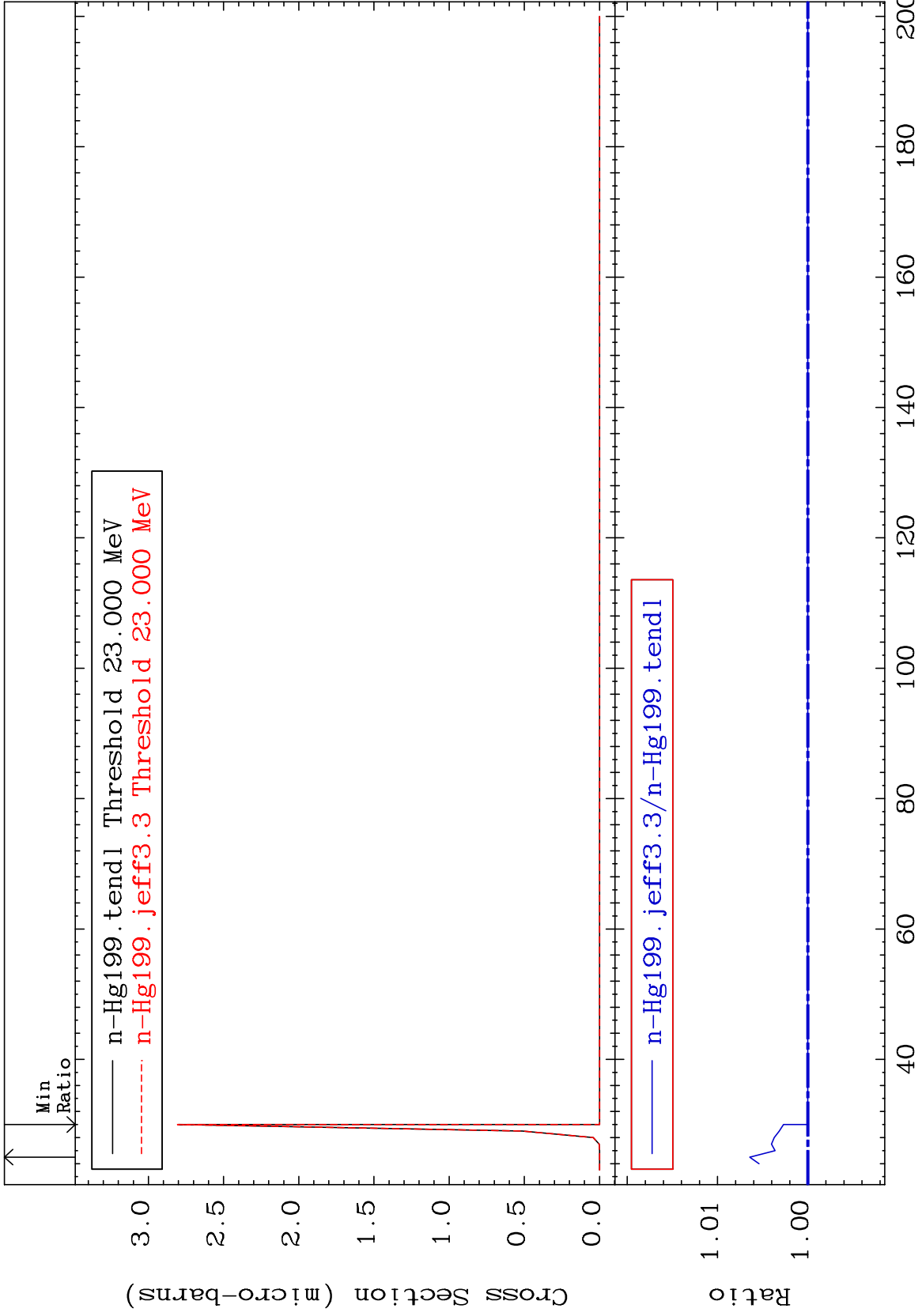


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 0.644 %

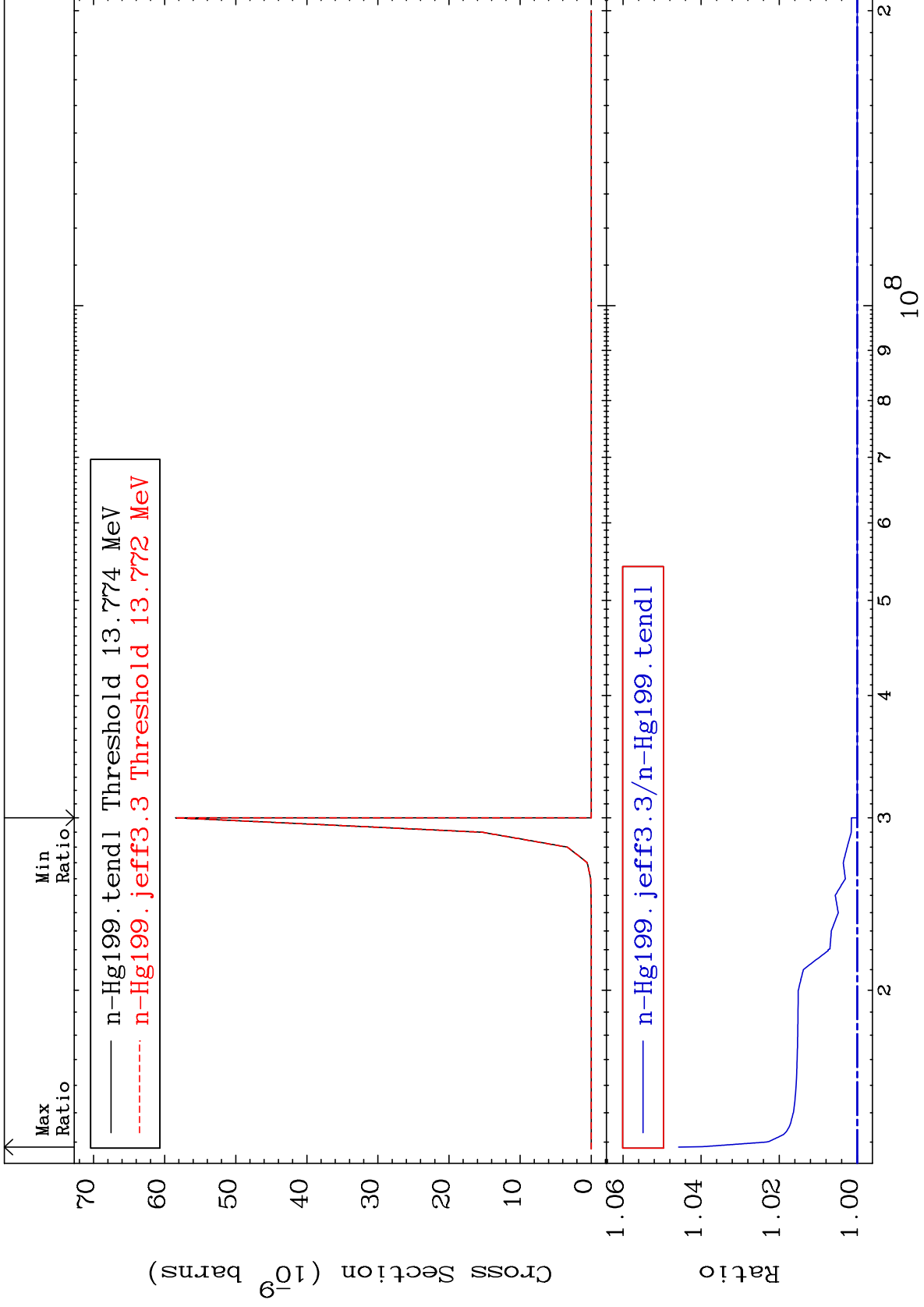


MAT 8034

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

80-Hg-199
To 4.575 %

Radionuclide Production Cross Section 0.000

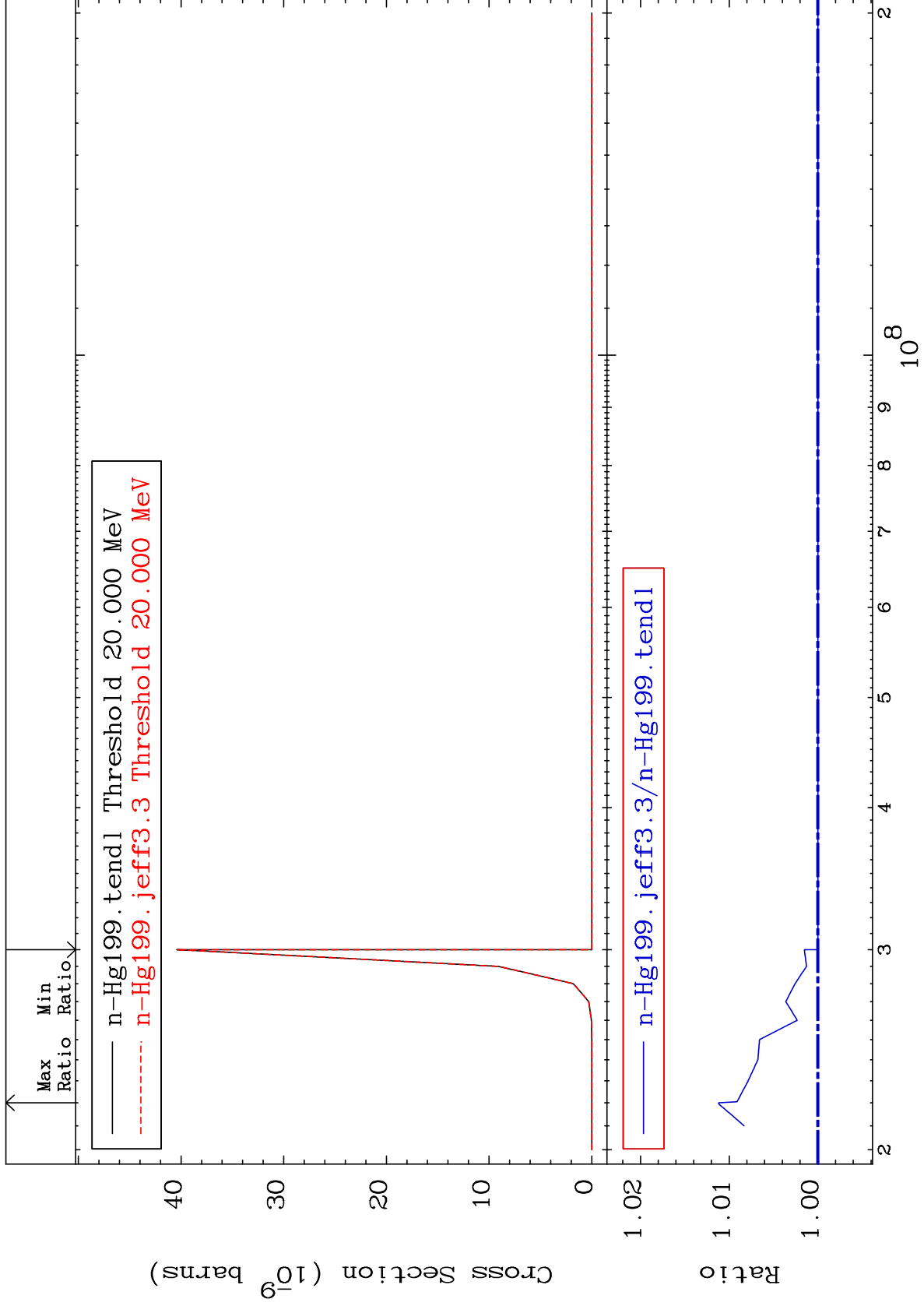


MAT 8034

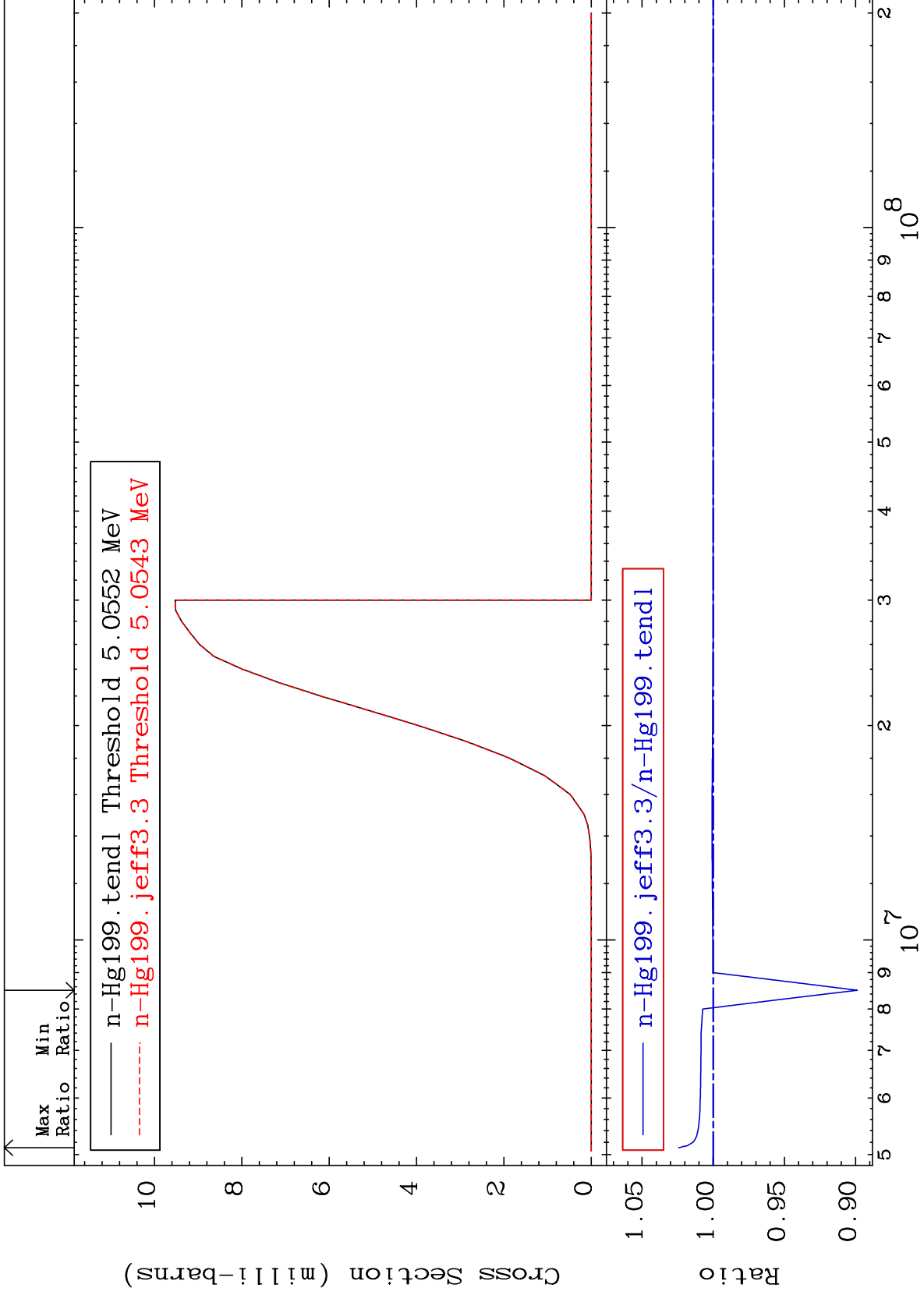
(n,2n) p:78-Pt-197m9

80-Hg-199

Radionuclide Production Cross Section 0.000 To 1.119 %



Radionuclide Production Cross Section -10.12 To 2.428 %

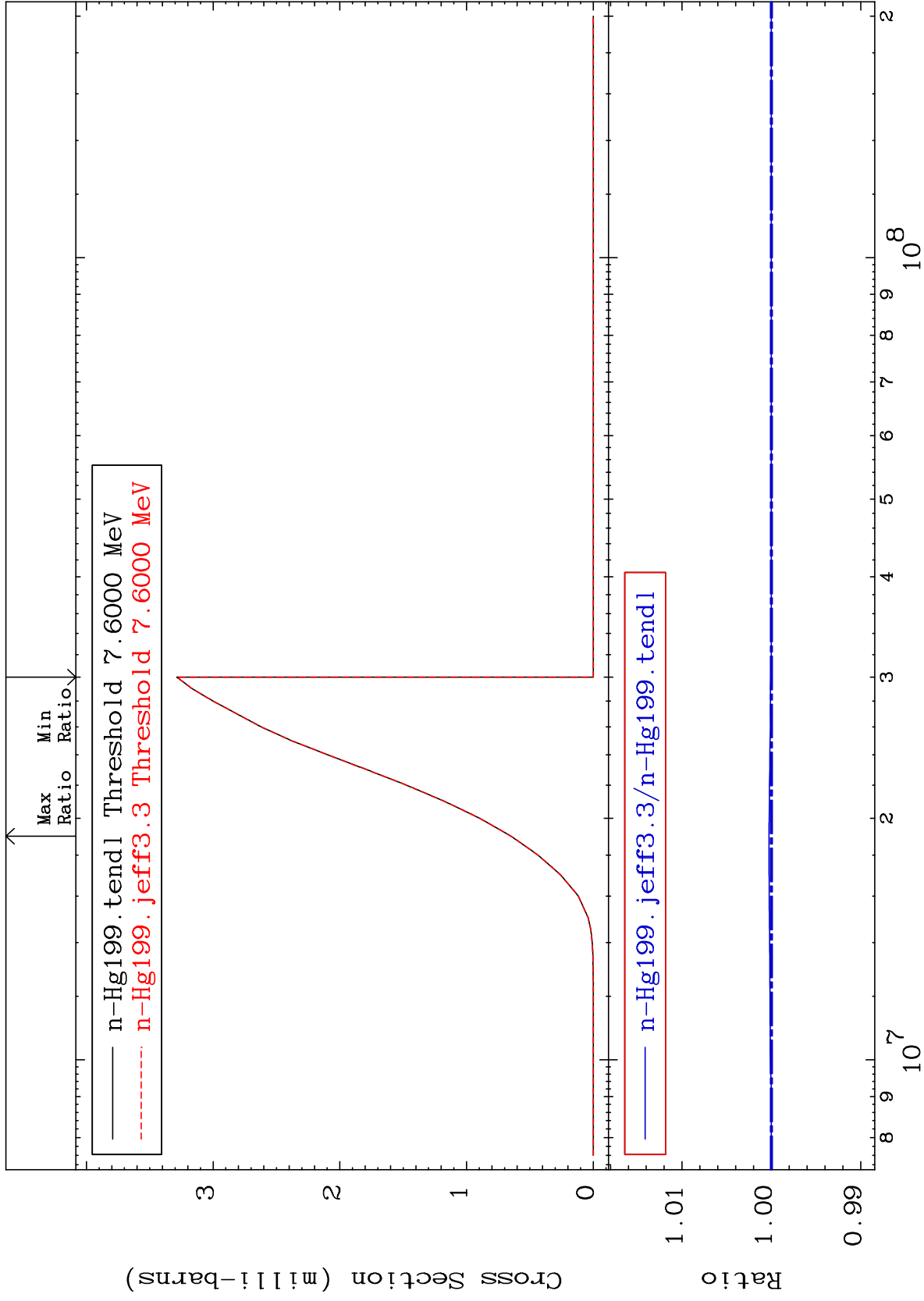


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 0.027 %



86

Incident Energy (eV)

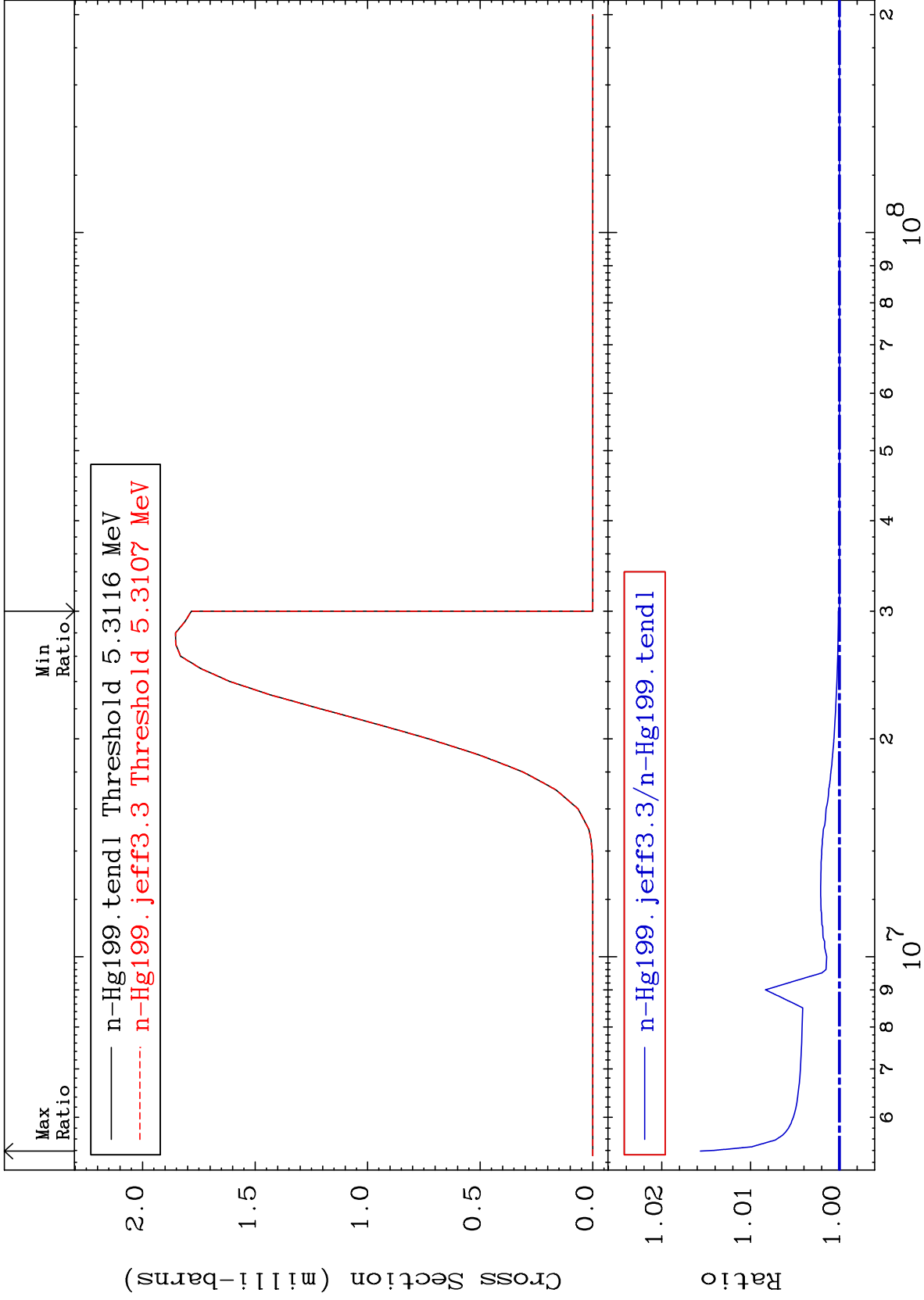
80-Hg-199

MAT 8034

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

80-Hg-199
To 1.566 %

Radionuclide Production Cross Section 0.000



87

Incident Energy (eV)

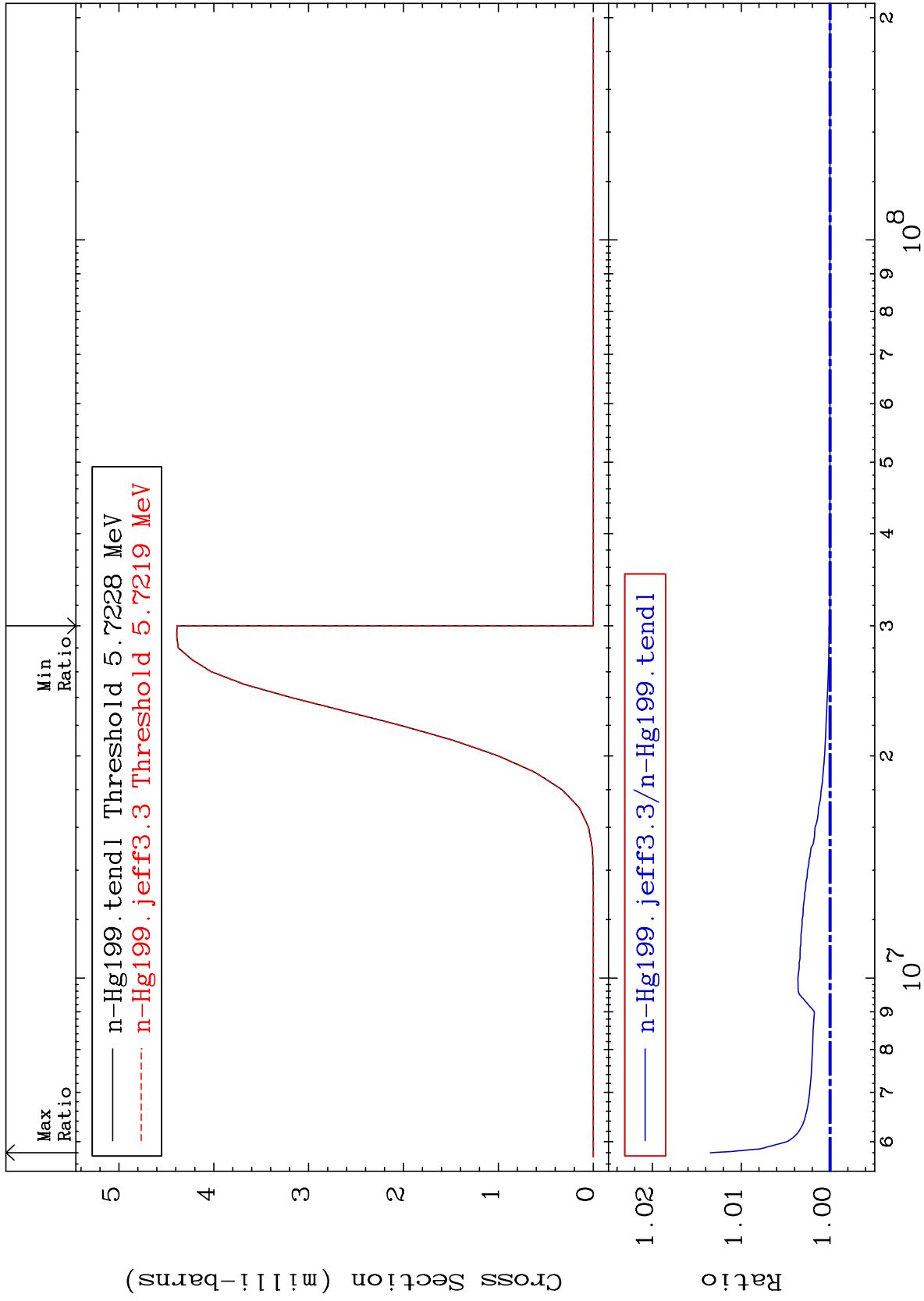
80-Hg-199

MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 1.349 %

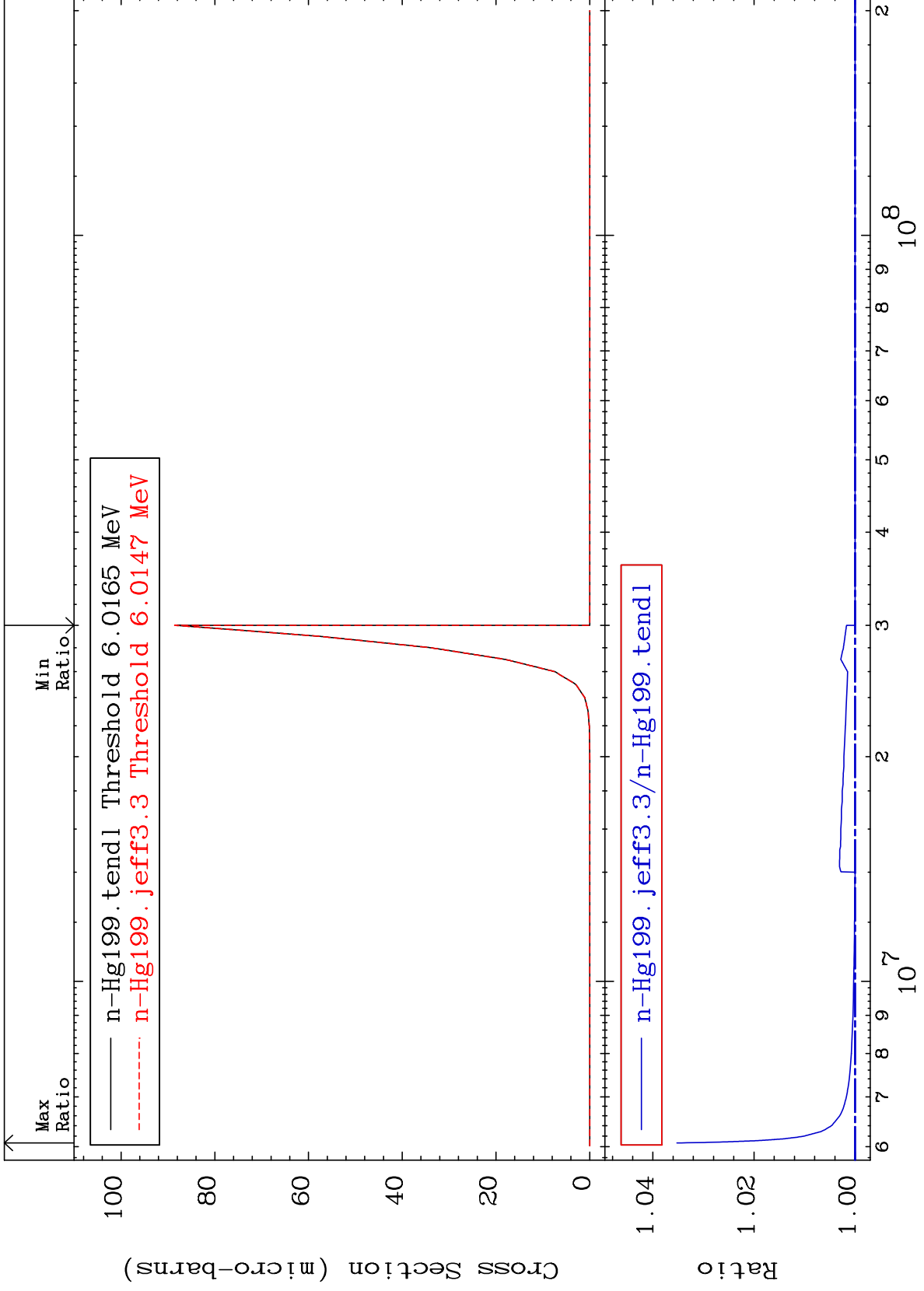


MAT 8034

(n, He-3) : 78-Pt-197g

80-Hg-199
To 3.525 %

Radionuclide Production Cross Section 0.000

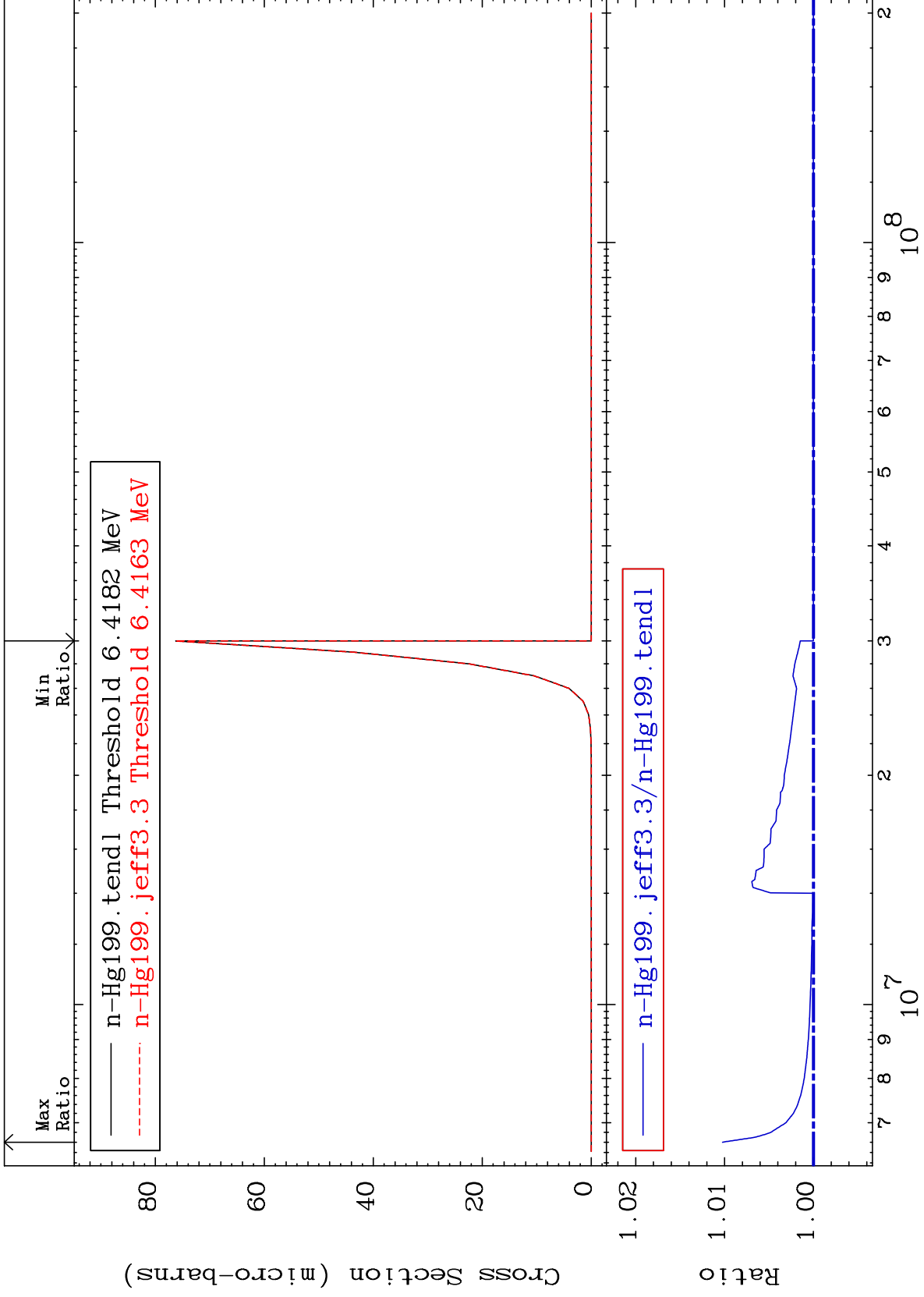


MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 1.024 %



90

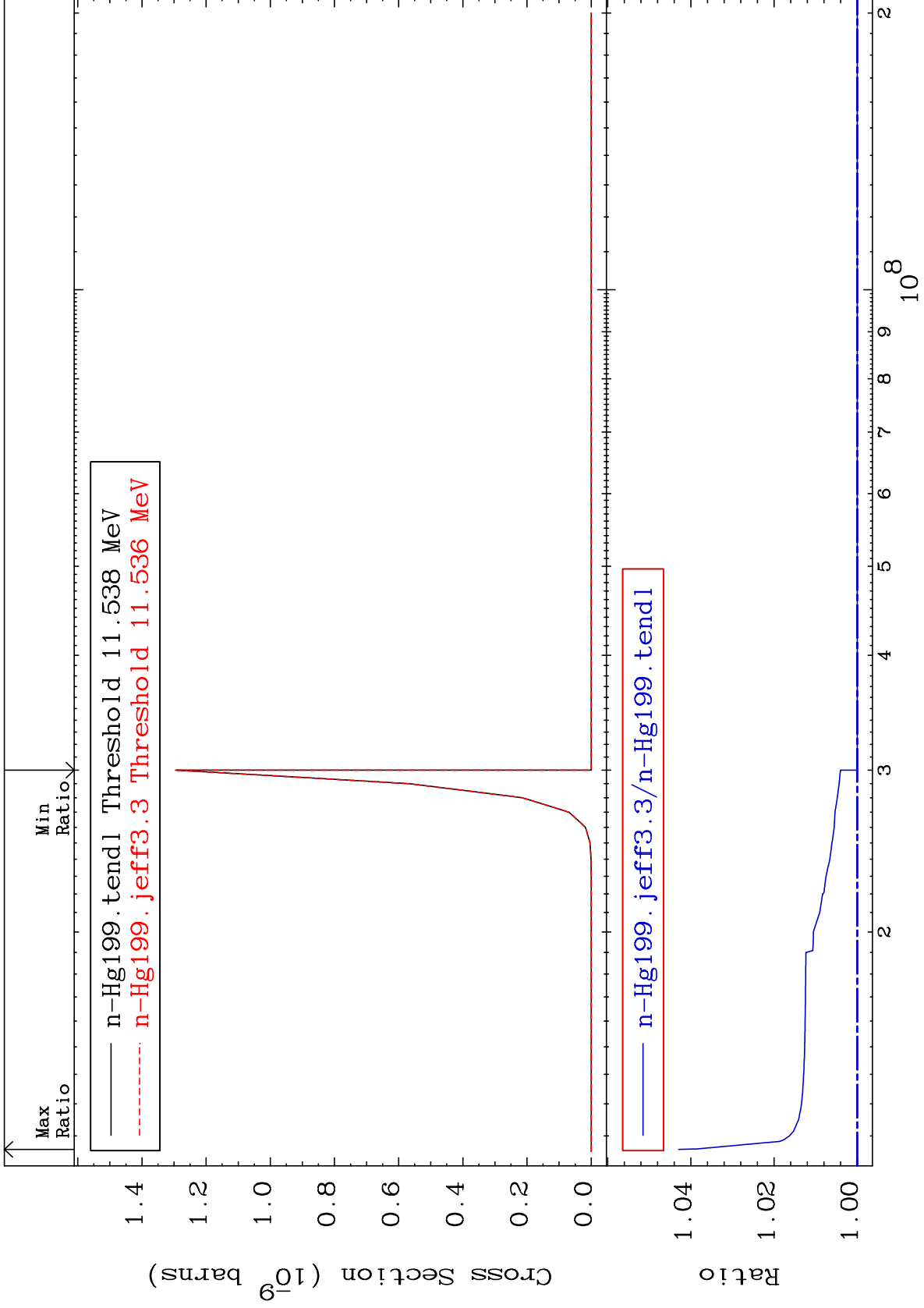
Incident Energy (eV)

80-Hg-199

MAT 8034

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

80-Hg-199
Radionuclide Production Cross Section 0.000 To 4.293 %



MAT 8034

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

80-Hg-199

Radionuclide Production Cross Section 0.000 To 1.160 %

