

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

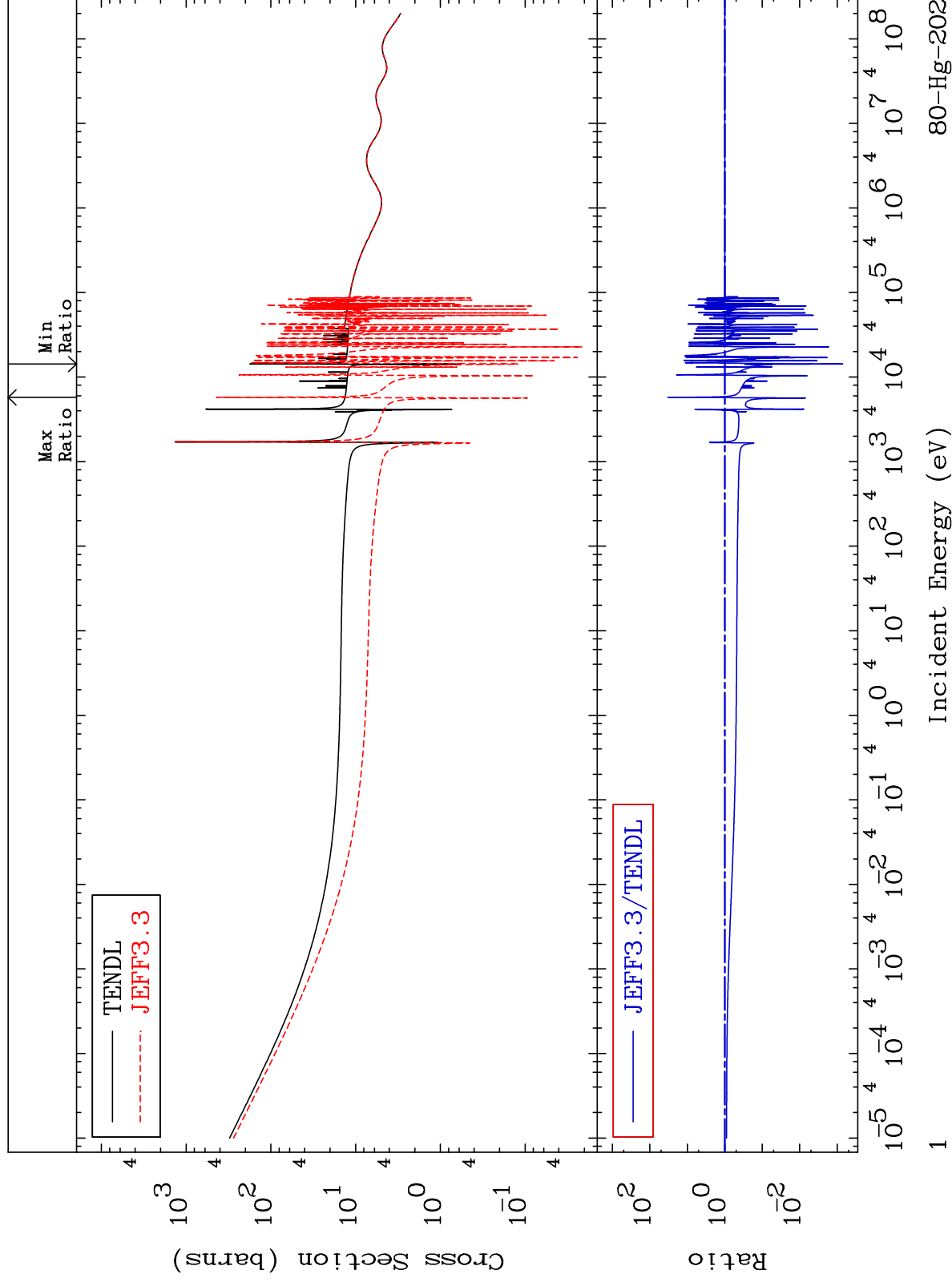
MAT 8043

Total

80-Hg-202

Cross Section

-99.93 To 3179. %



Incident Energy (eV)

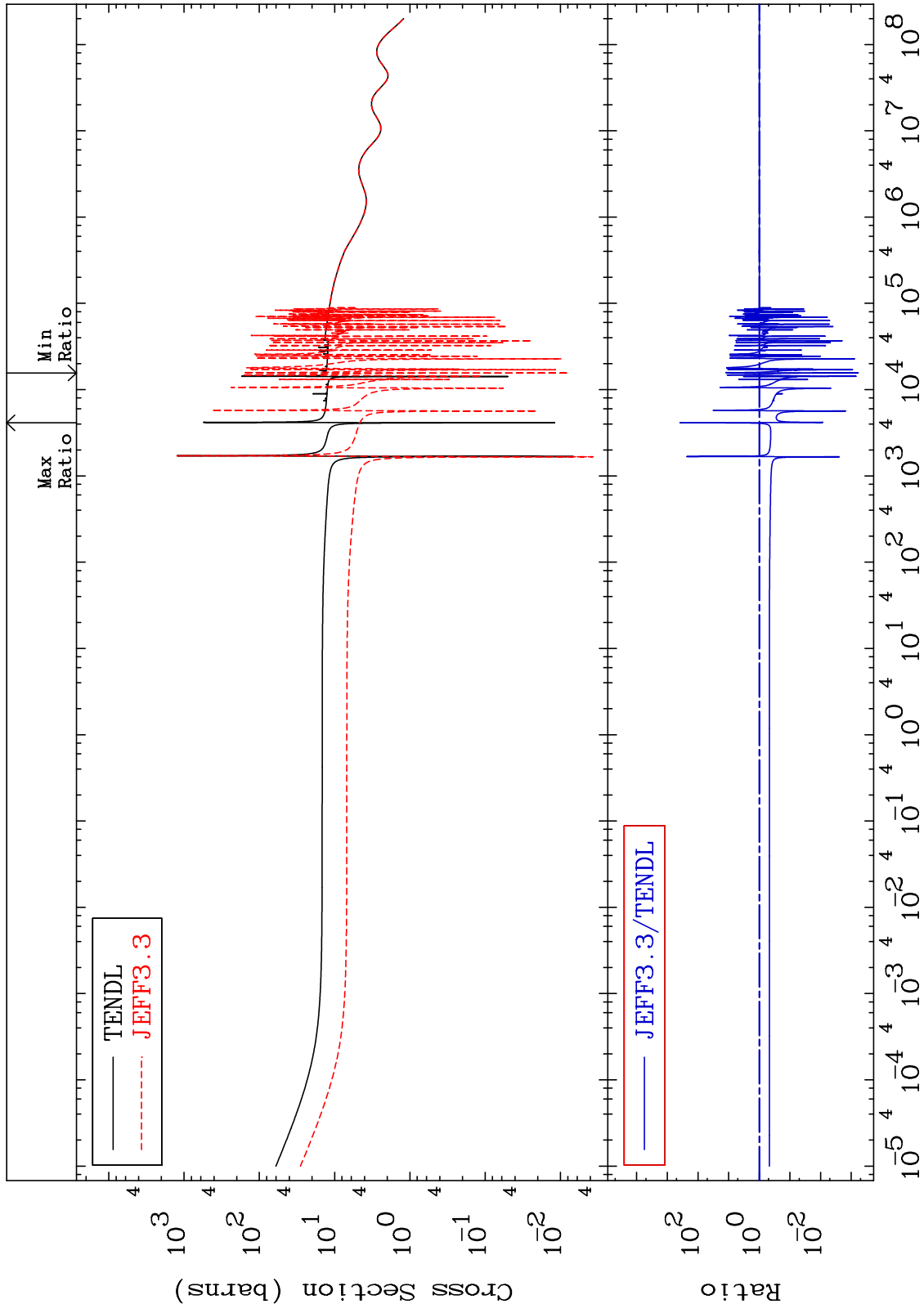
80-Hg-202

1

MAT 8043

Elastic
Cross Section

80-Hg-202
-99.94 To 9999. %

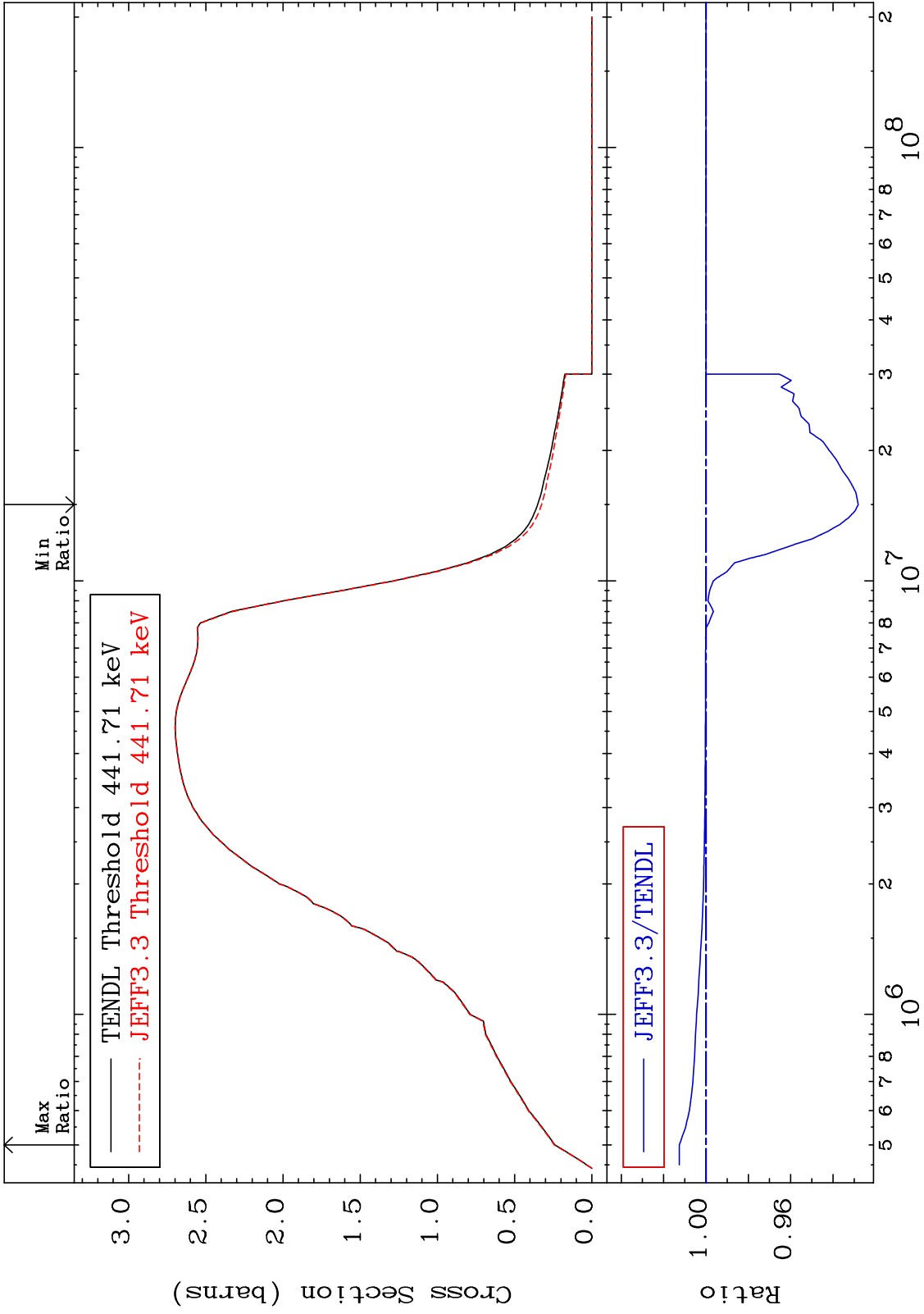


2

Incident Energy (eV)

80-Hg-202

MAT 8043 Inelastic Cross Section 80-Hg-202
 -7.190 To 1.257 %

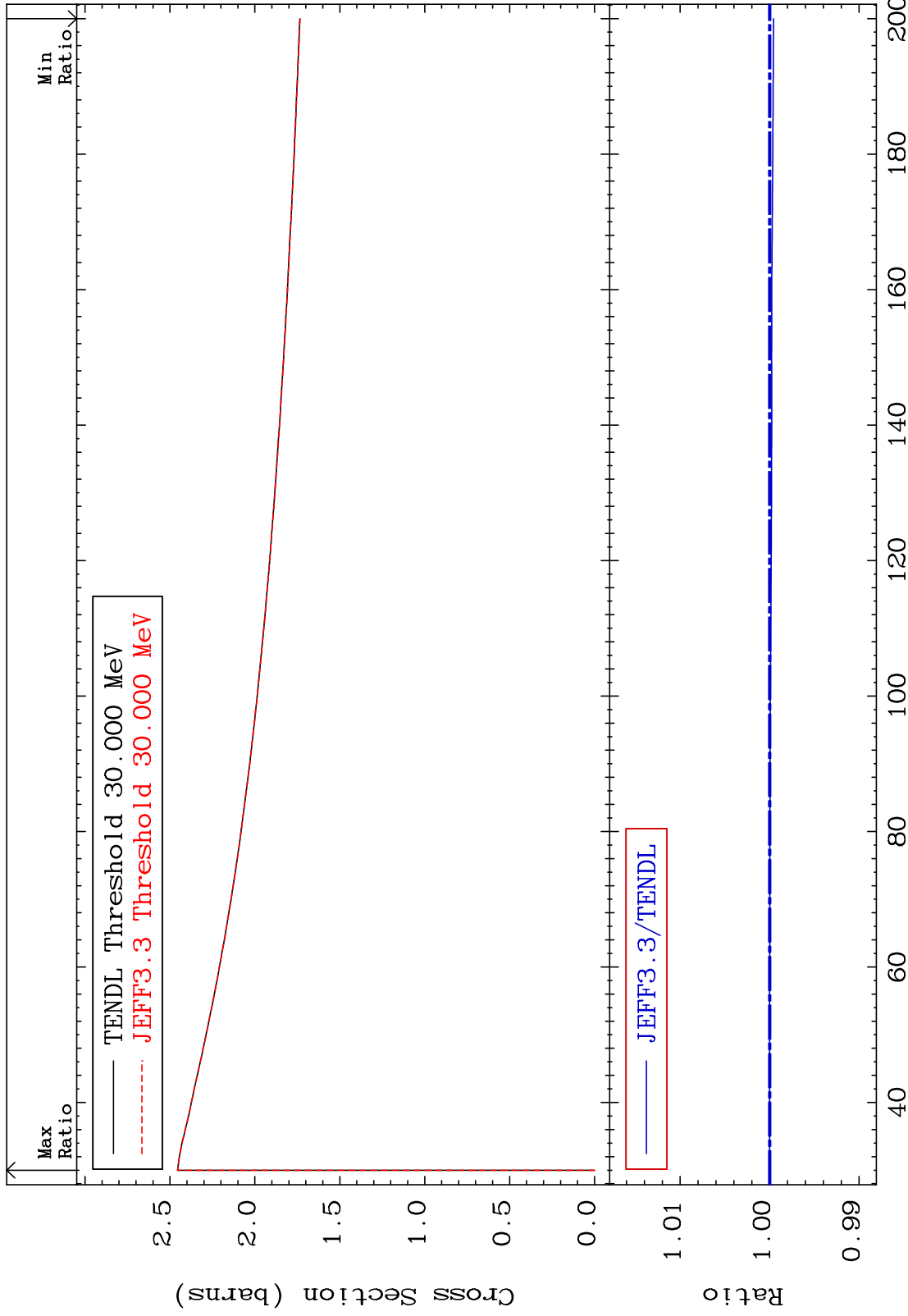


3 Incident Energy (eV) 80-Hg-202

MAT 8043

(n, remainder)
Cross Section

80-Hg-202
-0.043 To 0.000 %



MAT 8043

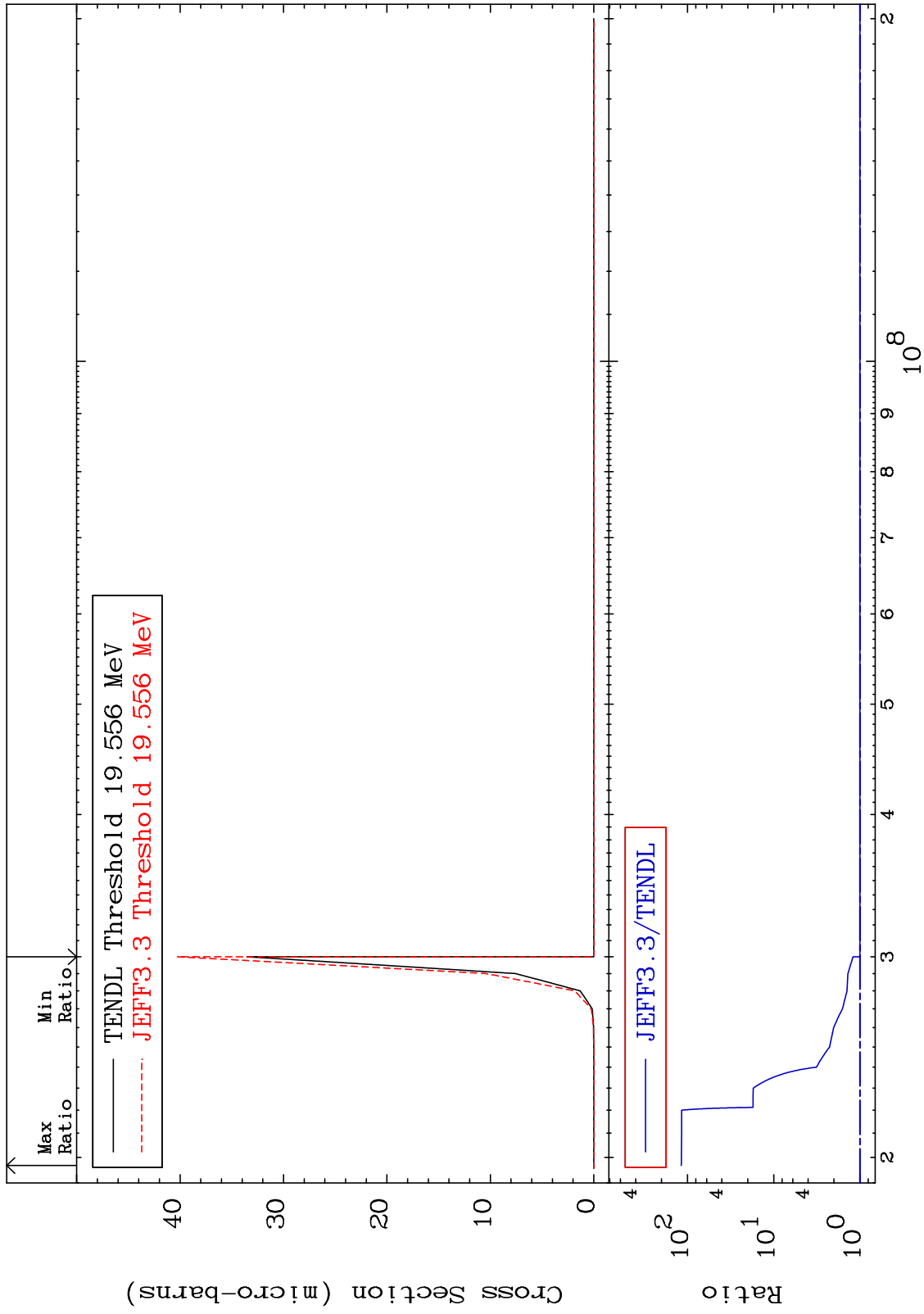
(n,2n) d

80-Hg-202

Cross Section

0.000

To 9999. %



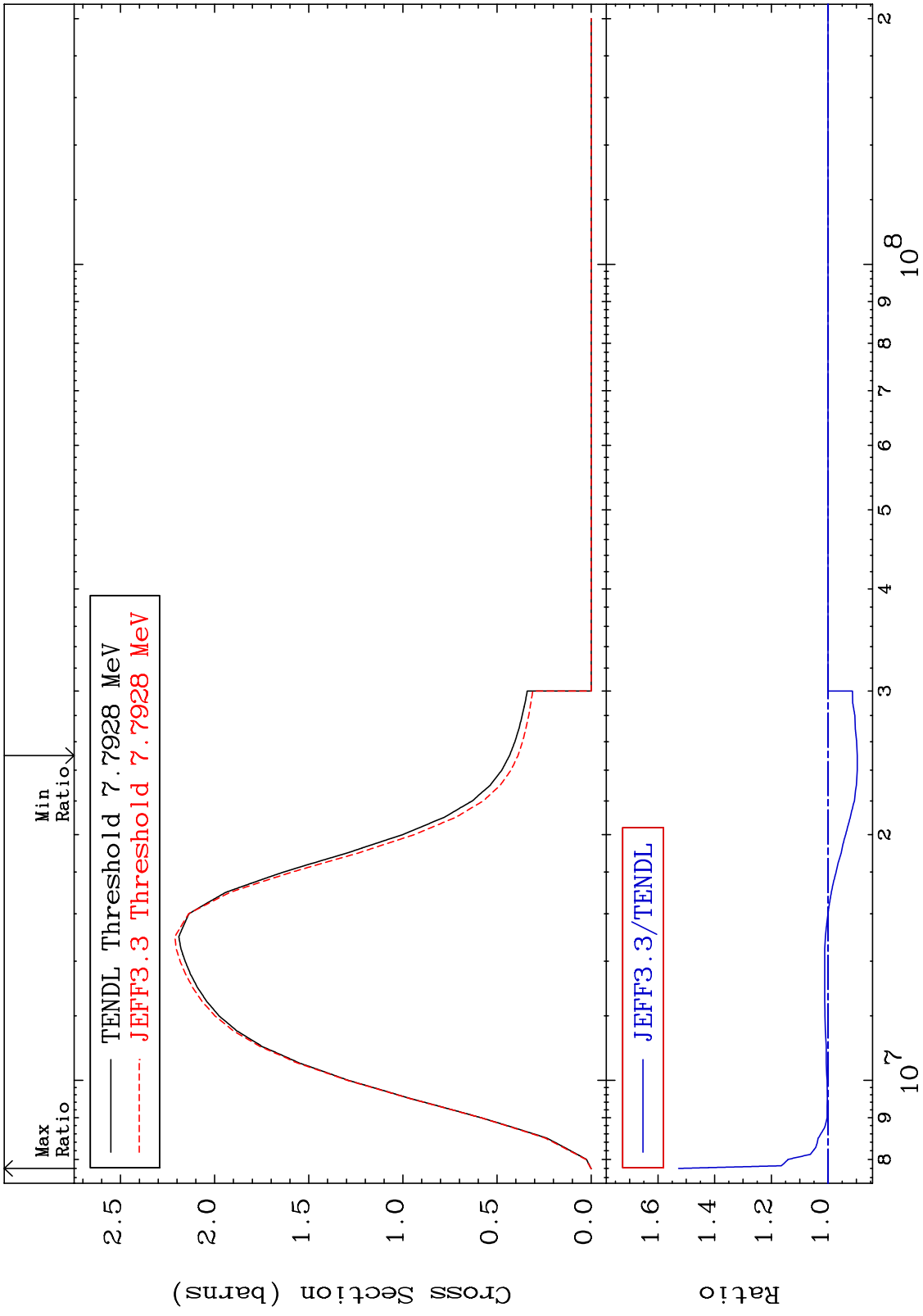
MAT 8043

(n,2n)

80-Hg-202

Cross Section

-10.31 To 52.70 %

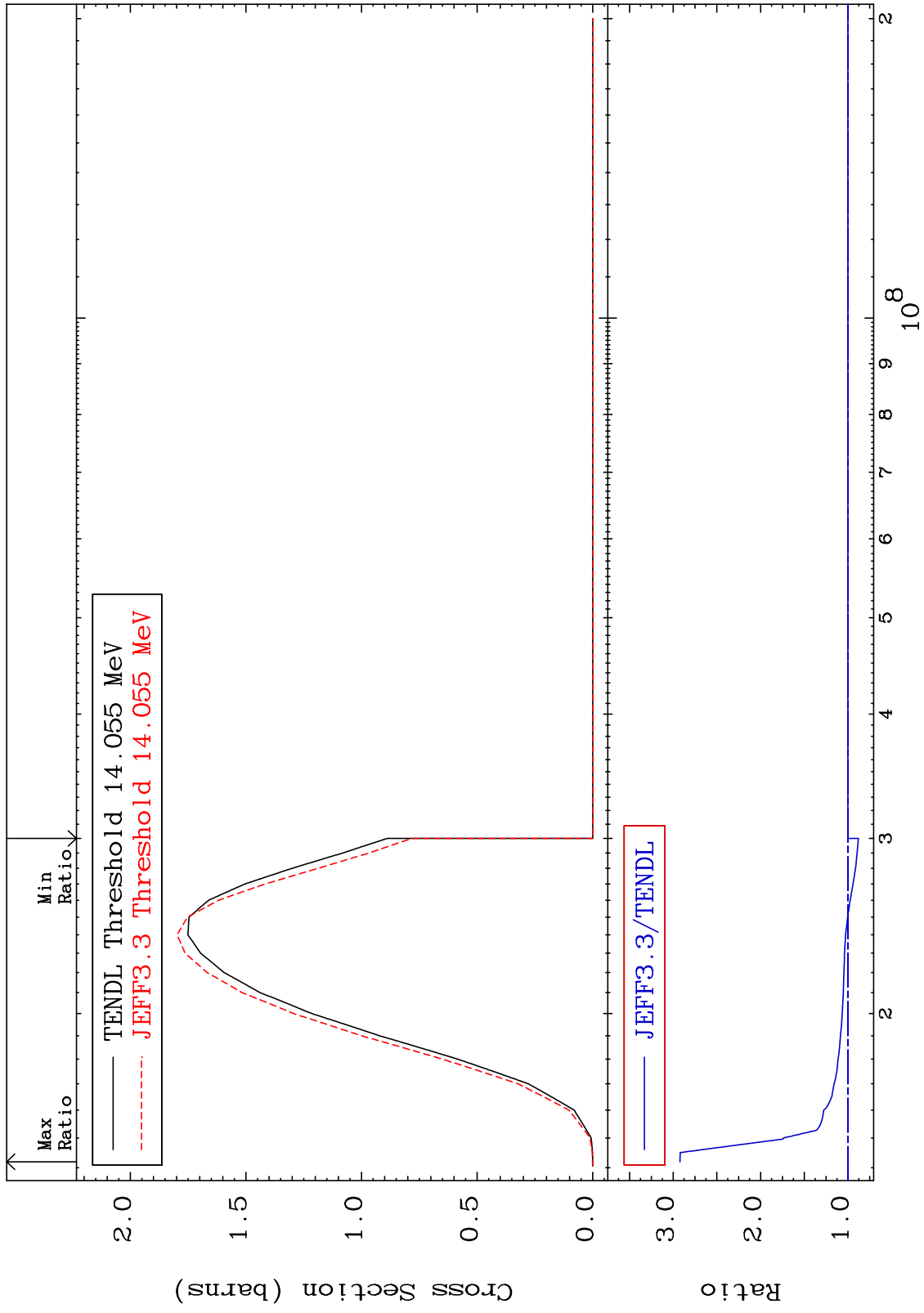


6

Incident Energy (eV)

80-Hg-202

MAT 8043 $(n, 3n)$ Cross Section 80-Hg-202 -11.99 To 192.1 %



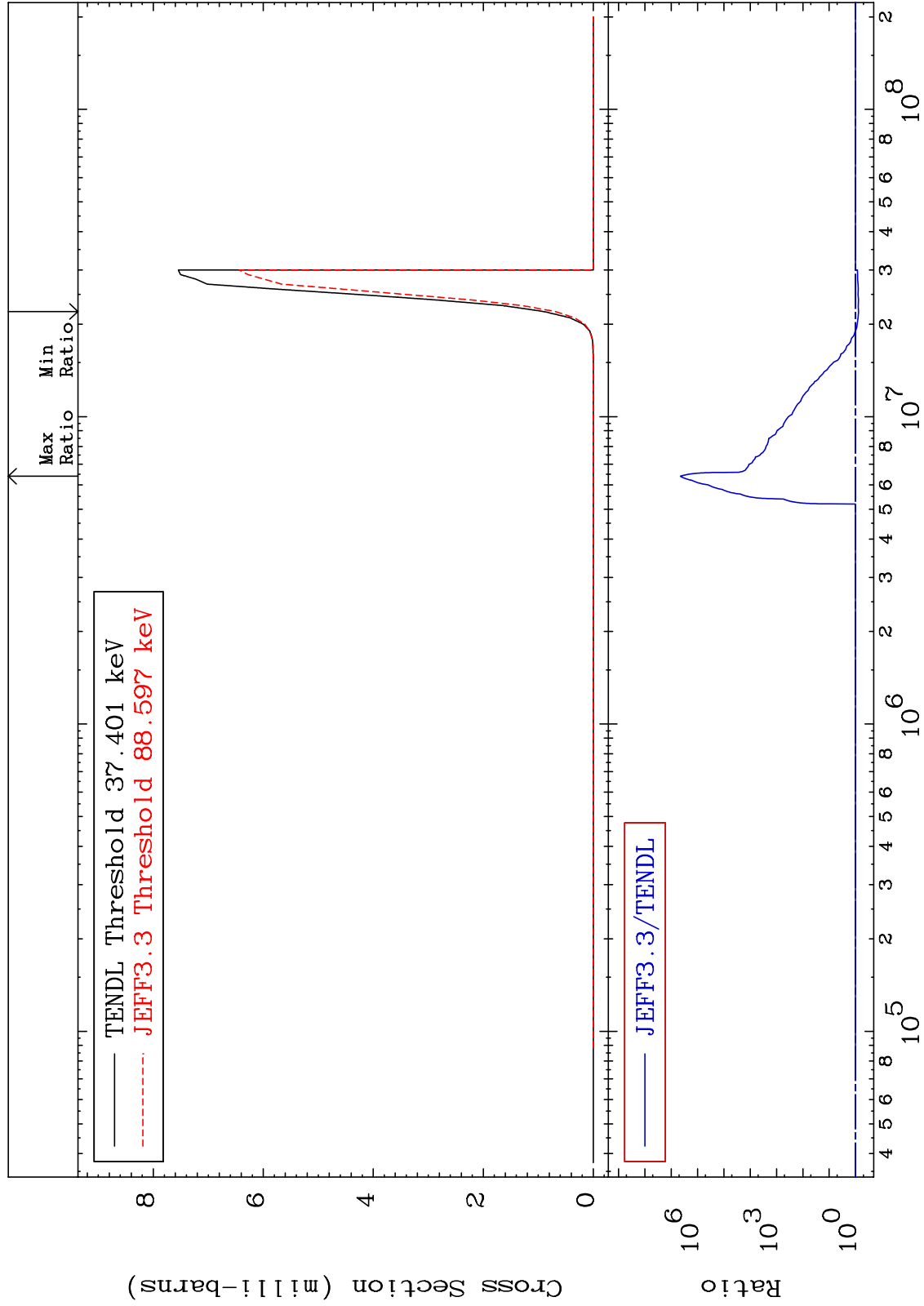
MAT 8043

(n, n') α

80-Hg-202

-23.17 To 9999. %

Cross Section



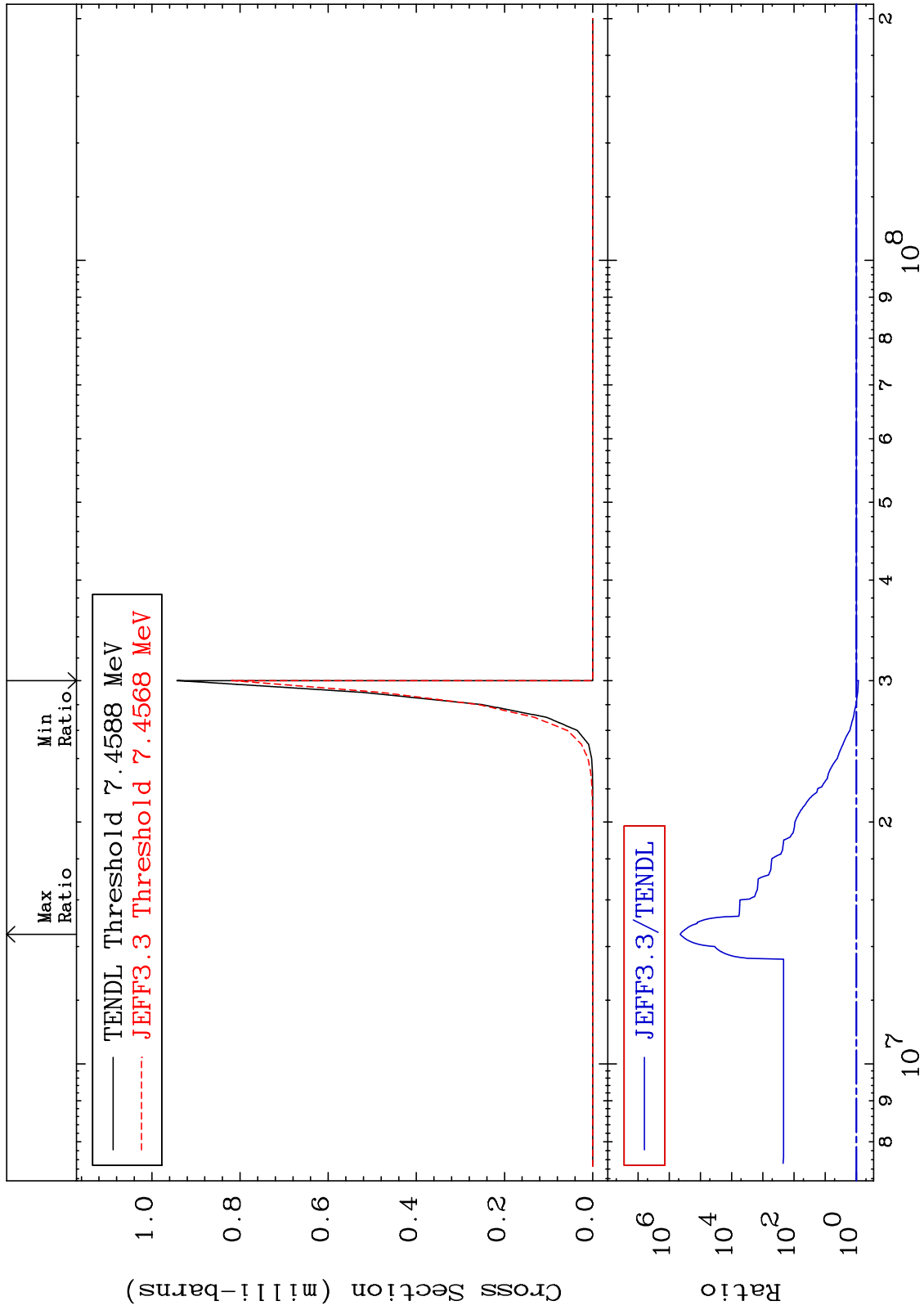
MAT 8043

(n,2n) α

80-Hg-202

Cross Section

-13.15 To 9999. %

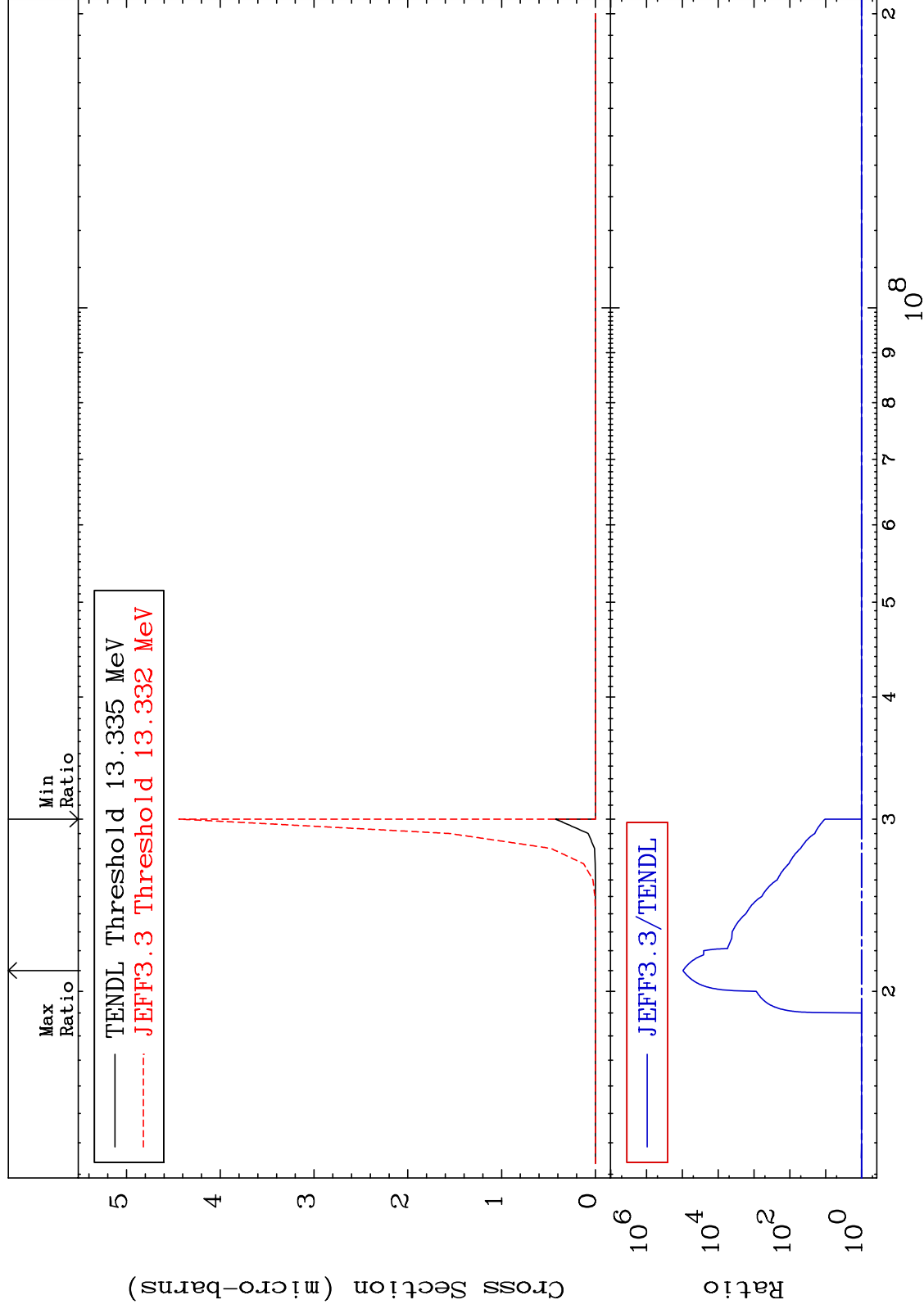


MAT 8043

(n,3n) α

80-Hg-202
To 9999. %
0.000

Cross Section

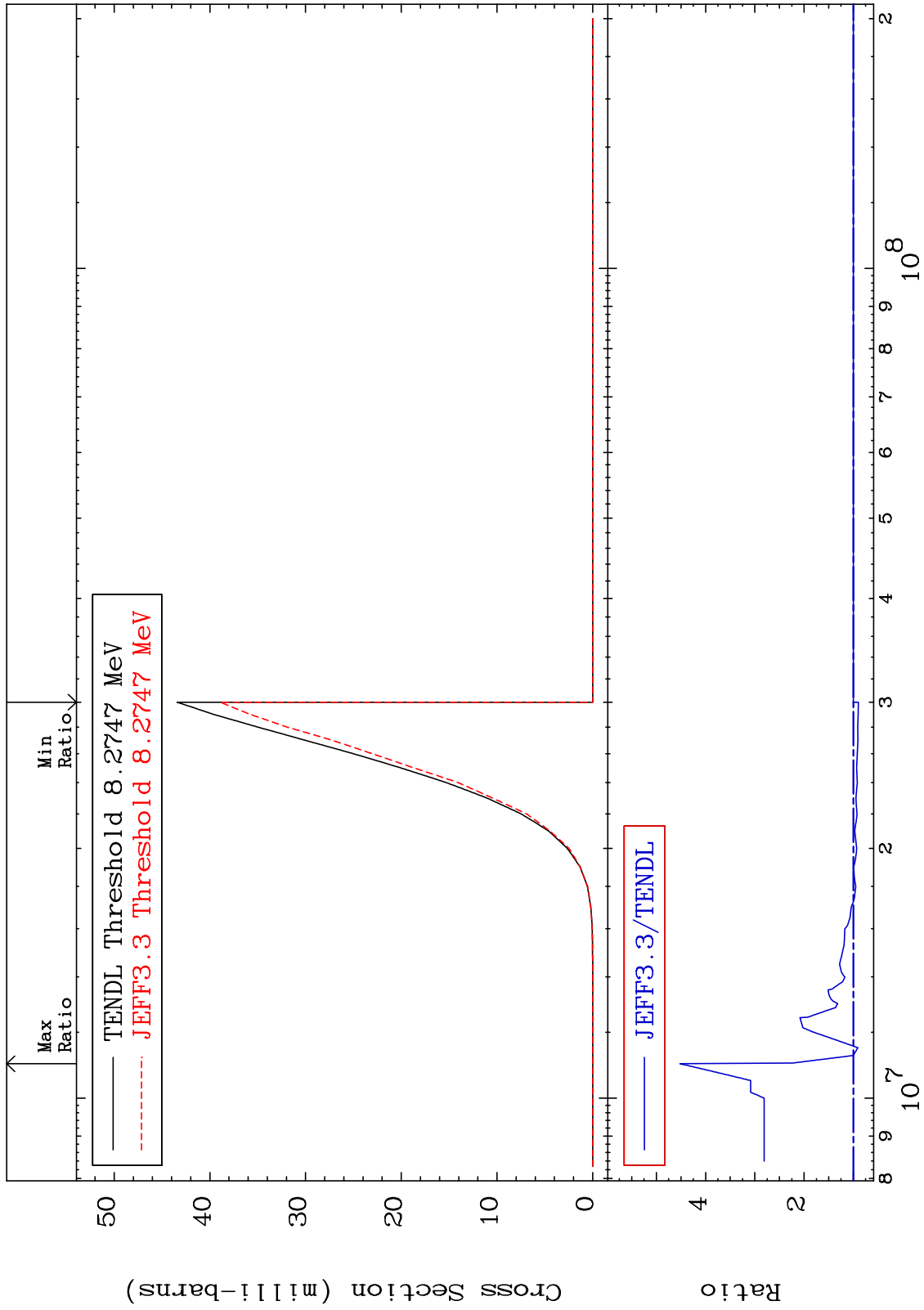


10

Incident Energy (eV)

80-Hg-202

MAT 8043 $(n, n') p$ 80-Hg-202
Cross Section -10.36 To 351.9 %



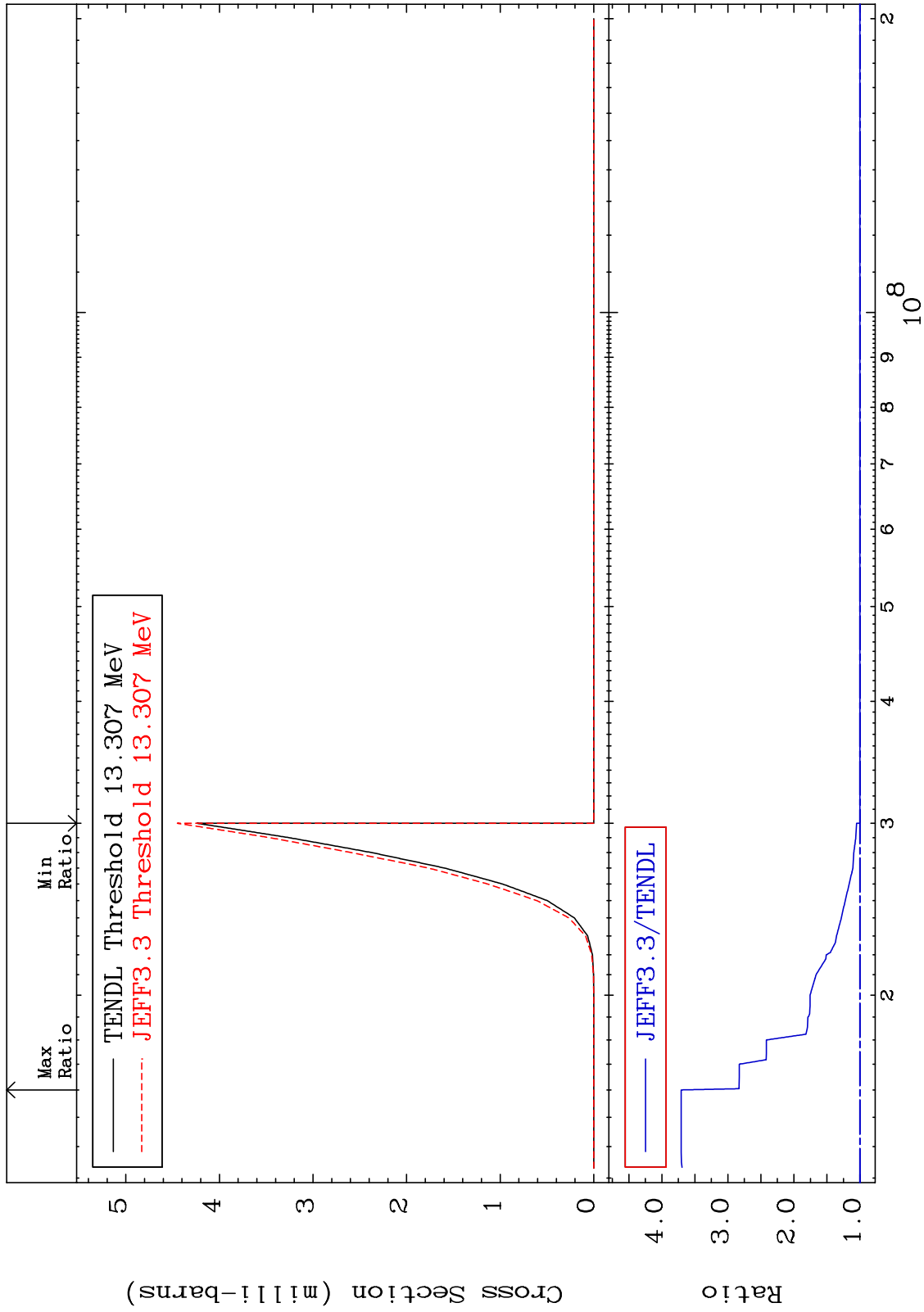
MAT 8043

(n, n') d

80-Hg-202

Cross Section

0.000 To 270.7 %



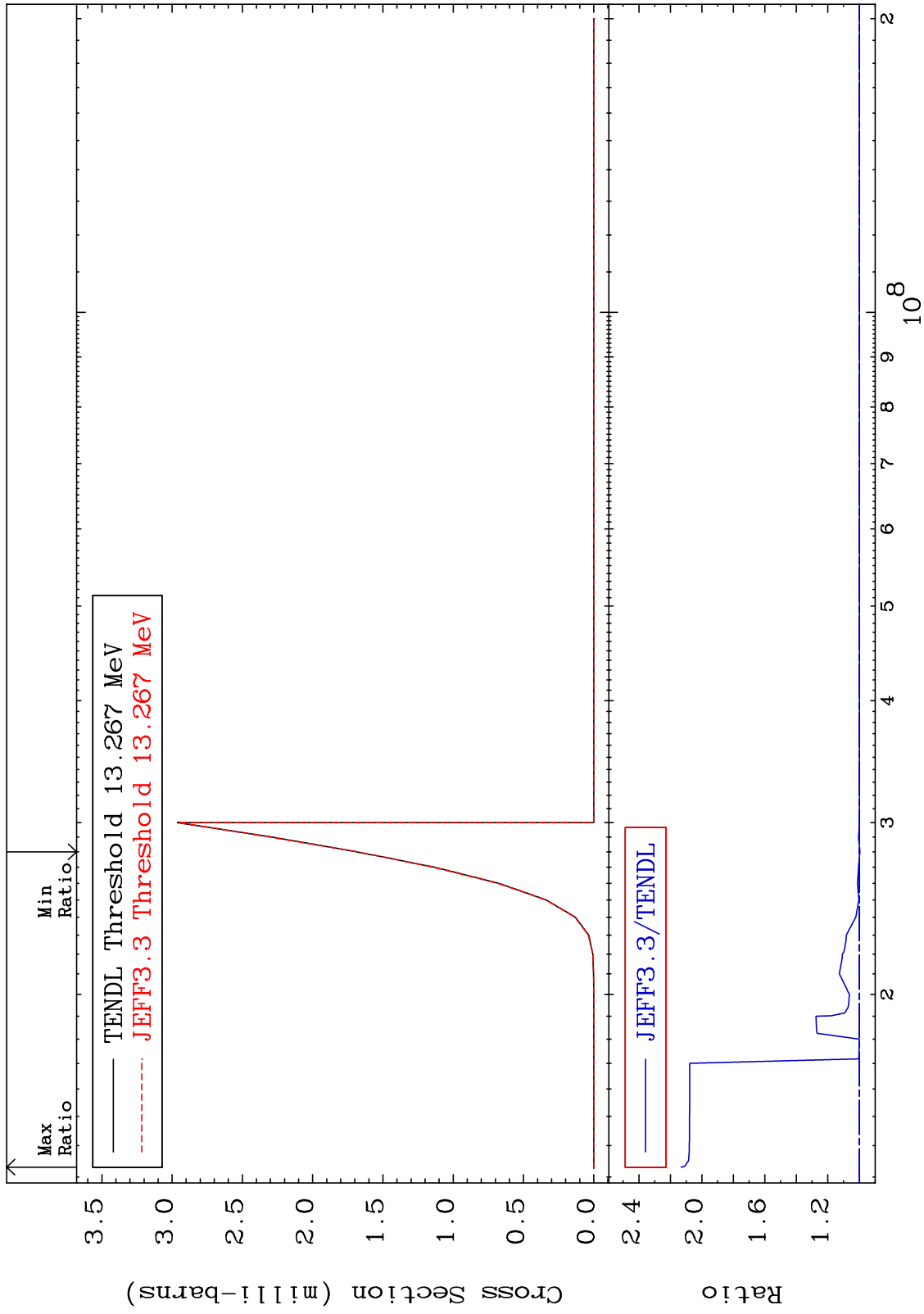
MAT 8043

(n, n') t

80-Hg-202

Cross Section

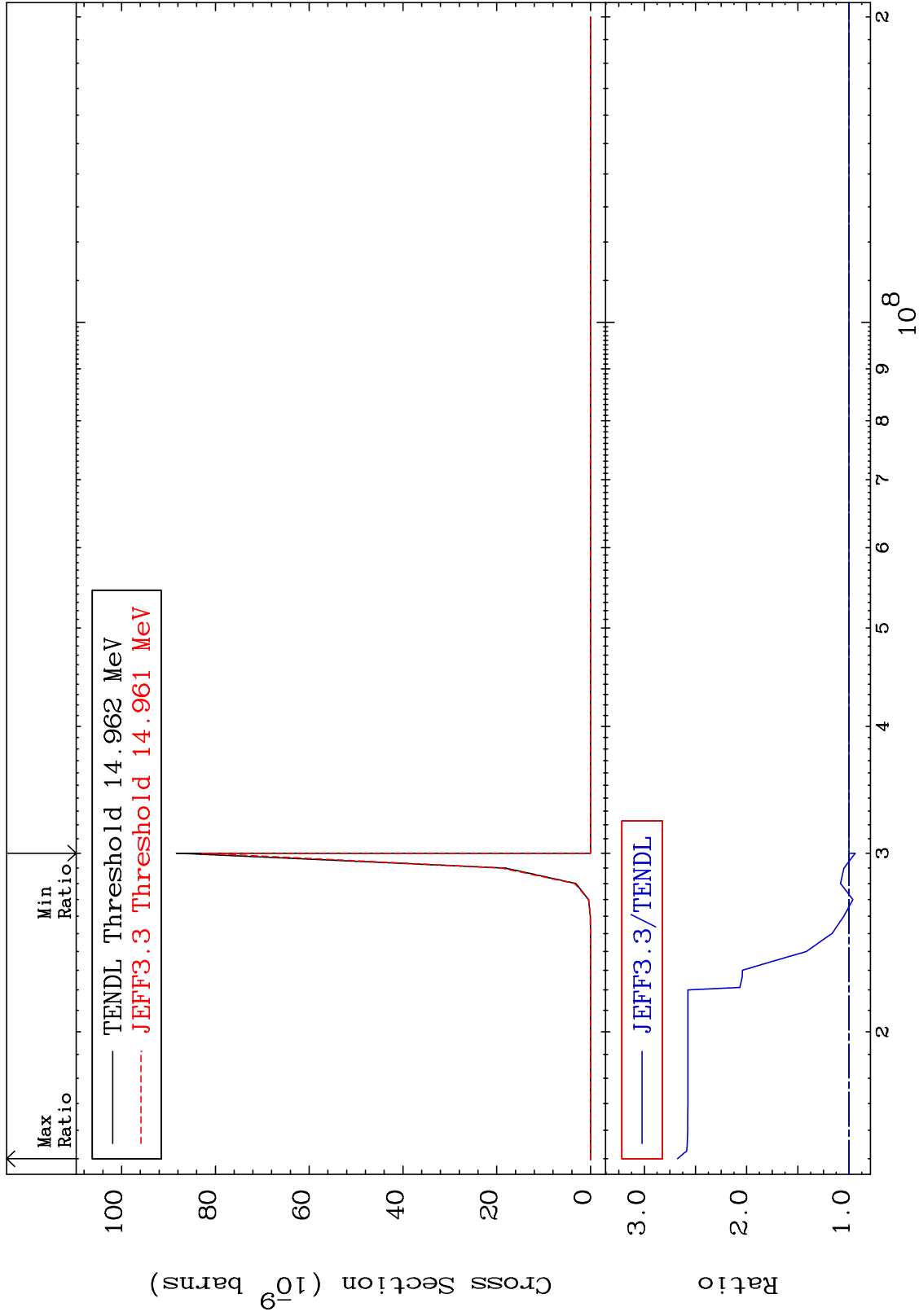
-0.368 To 113.1 %



MAT 8043

(n, n') He-3
Cross Section

80-Hg-202
-6.137 To 167.6 %



MAT 8043

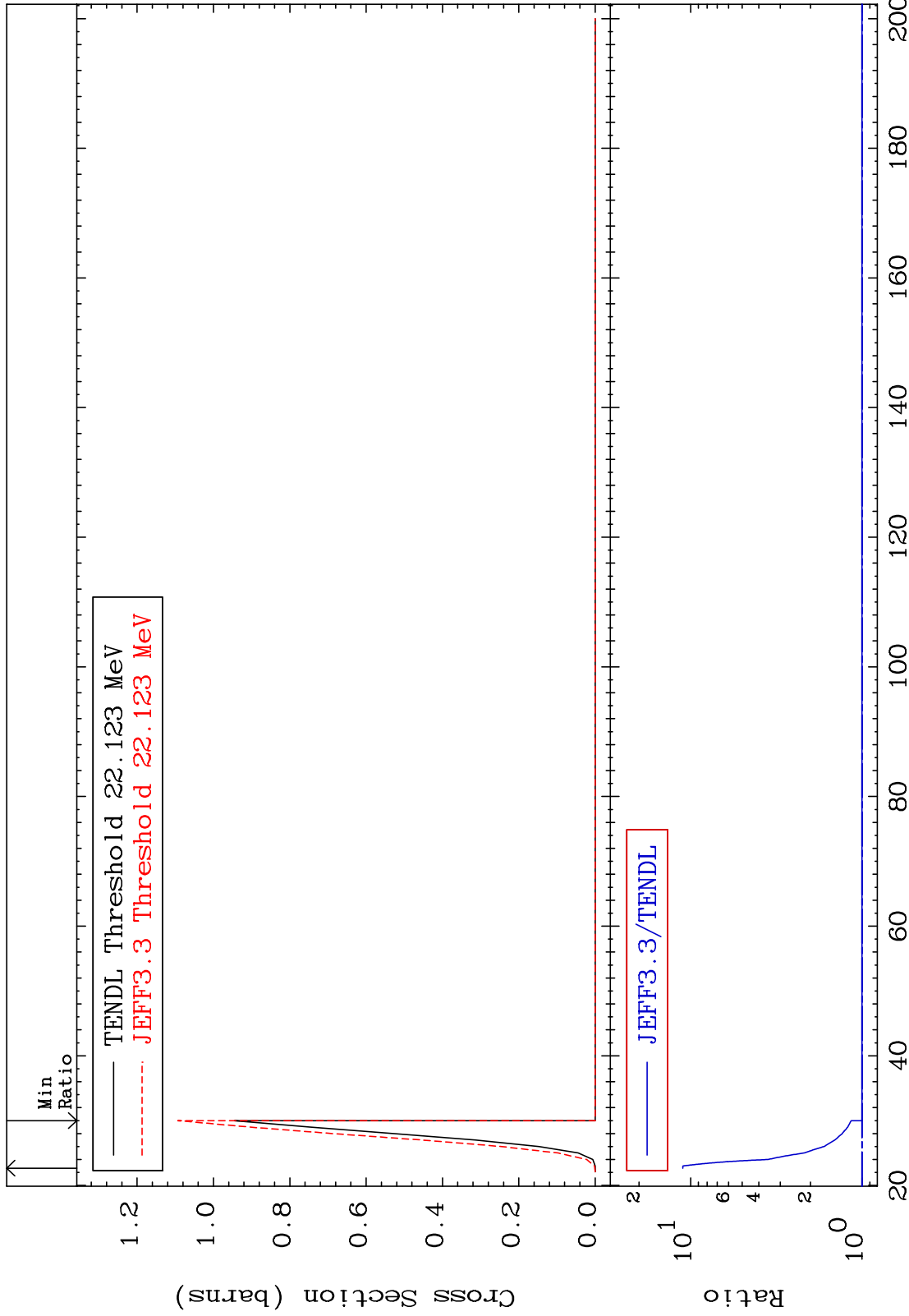
(n, 4n)

80-Hg-202

Cross Section

0.000

To 1009. %



15

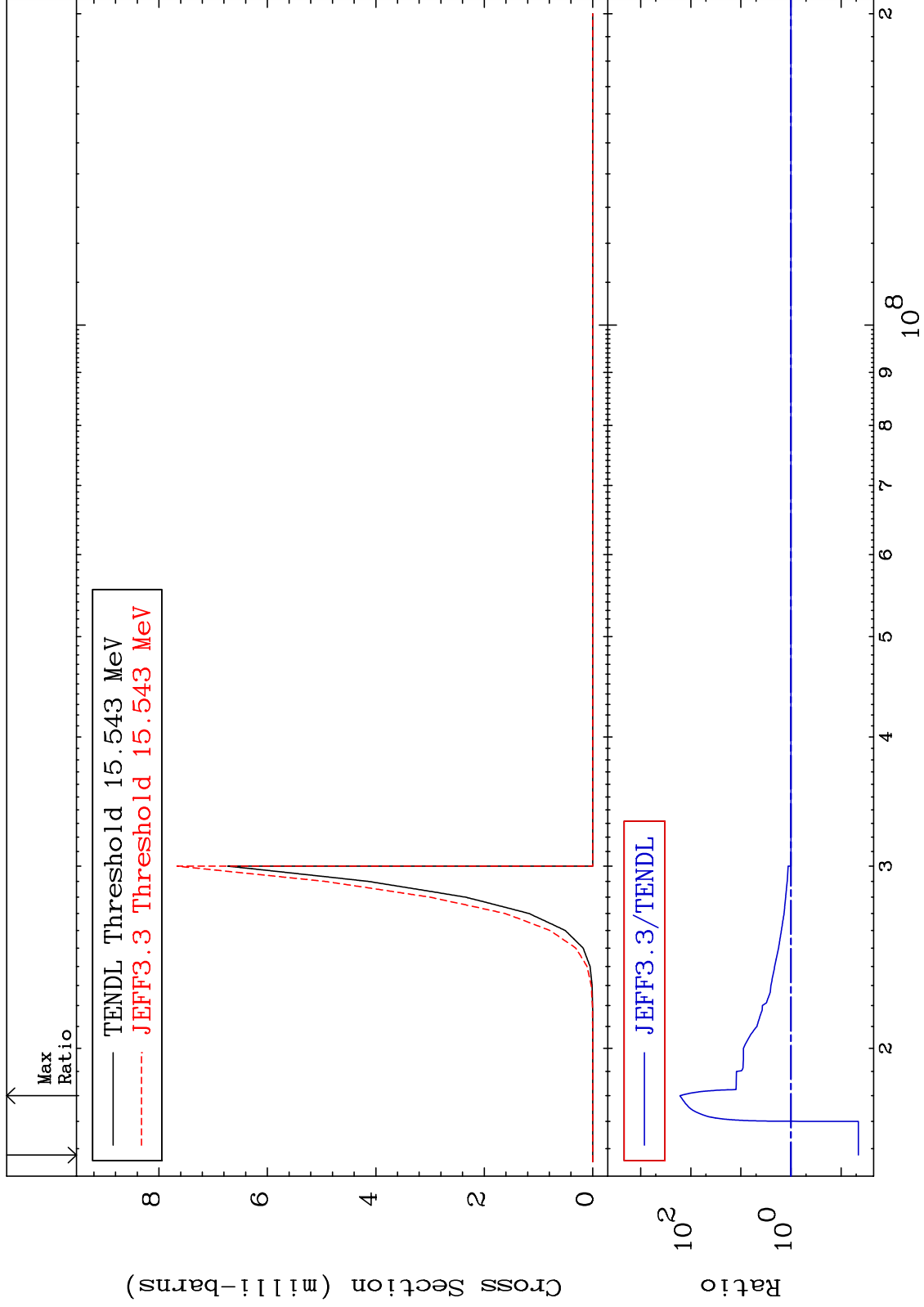
Incident Energy (MeV)

80-Hg-202

MAT 8043

(n,2n) p
Cross Section

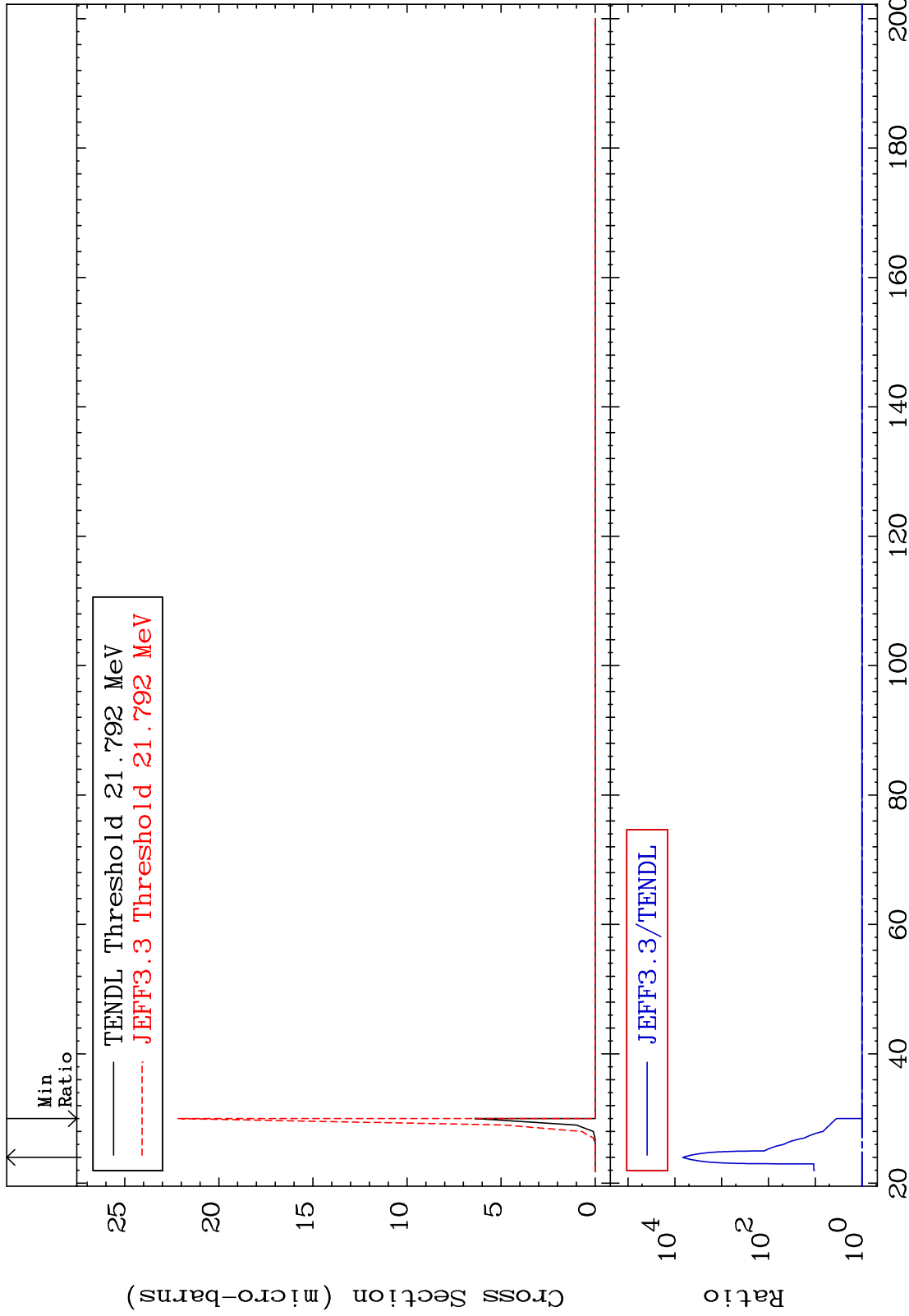
80-Hg-202
-95.48 To 9999. %



MAT 8043

(n,3n) p
Cross Section

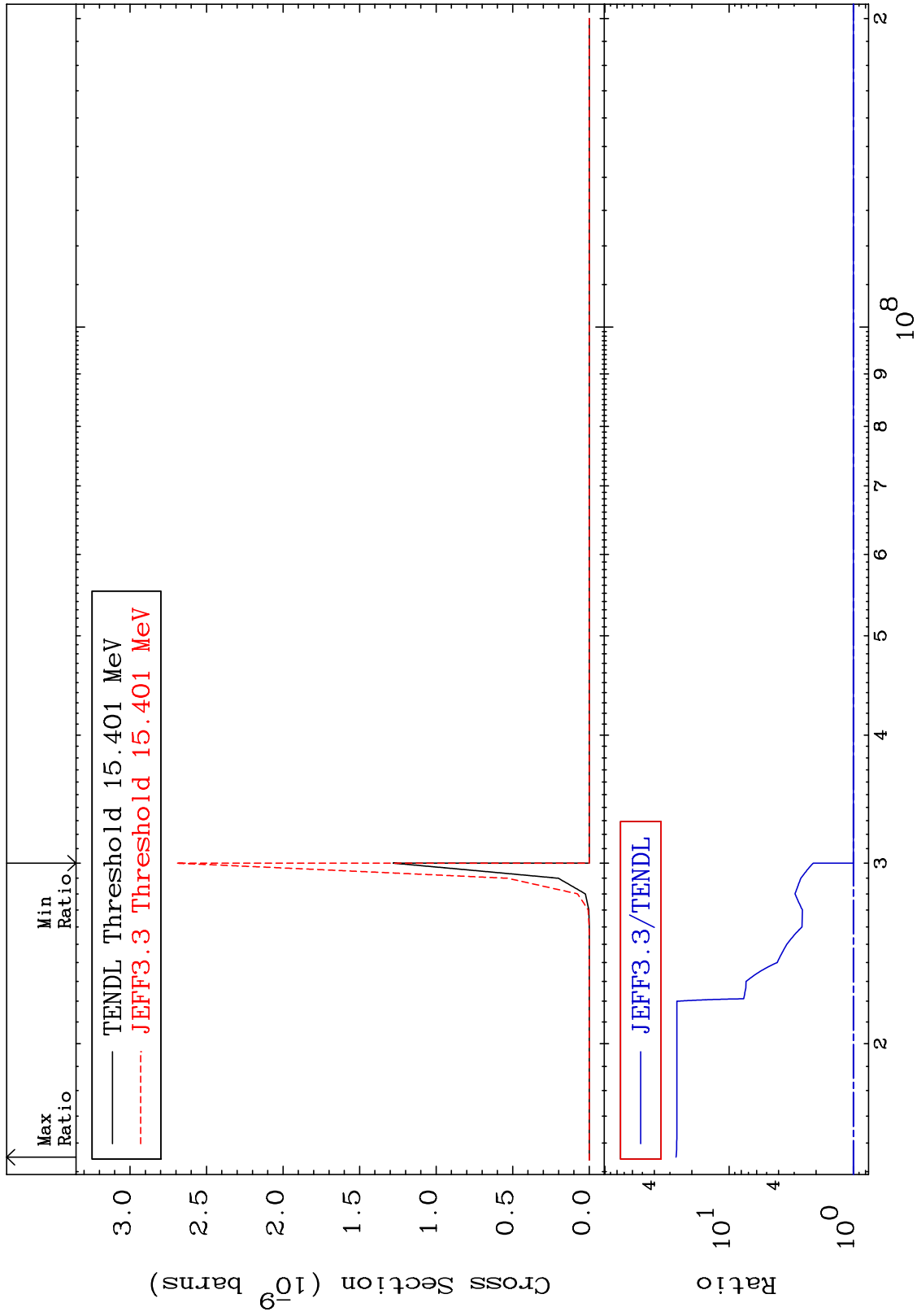
80-Hg-202
To 9999. %
0.000

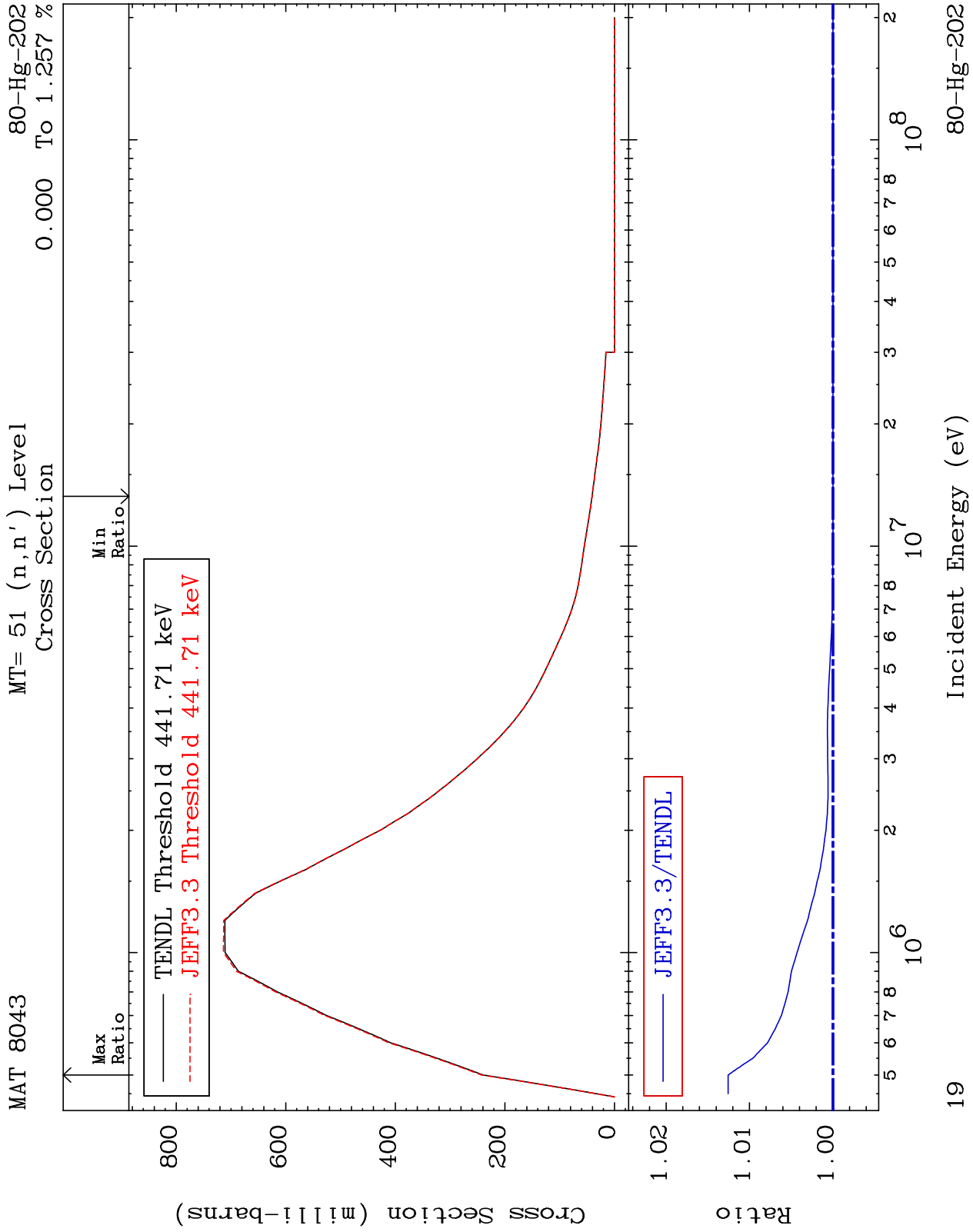


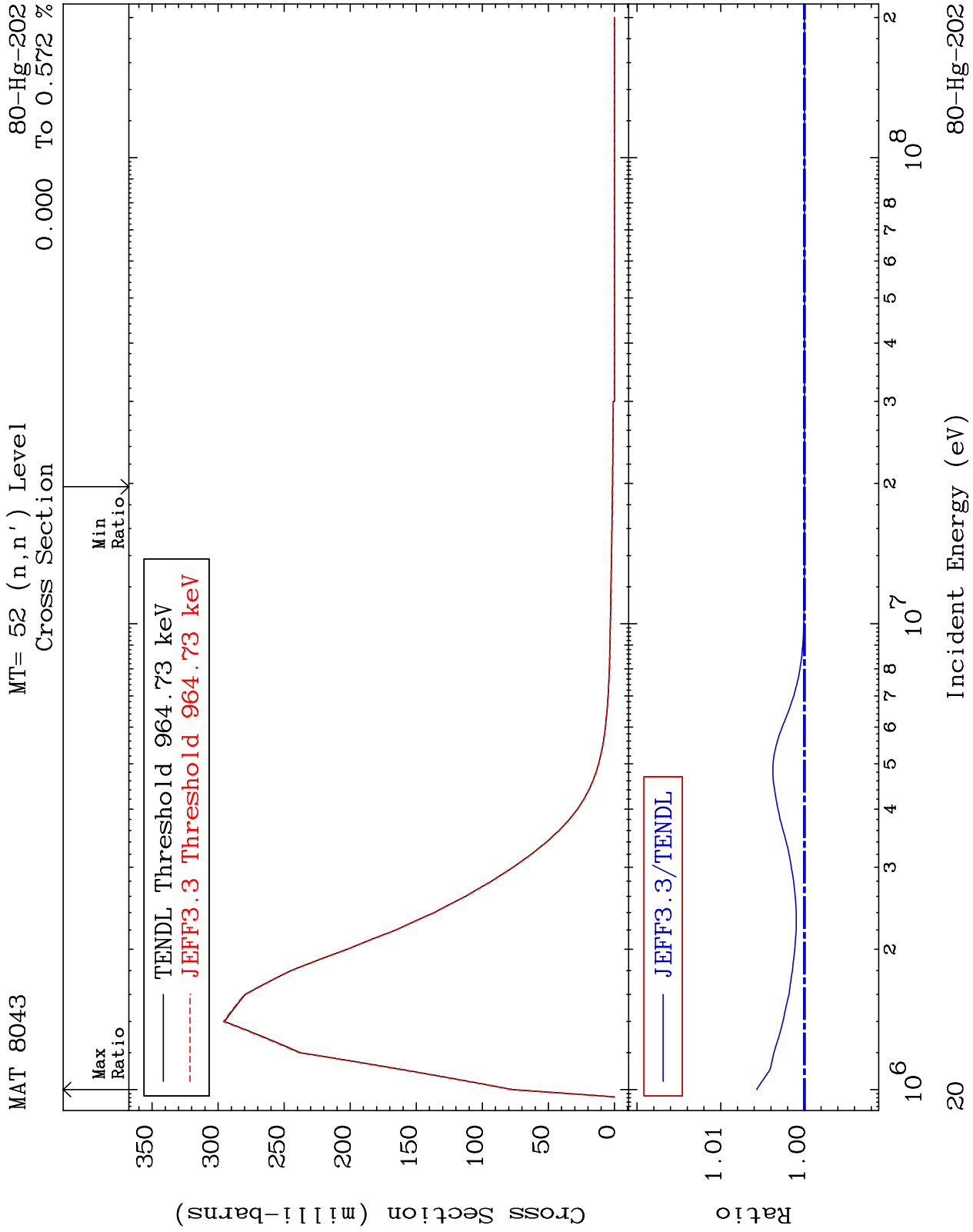
MAT 8043

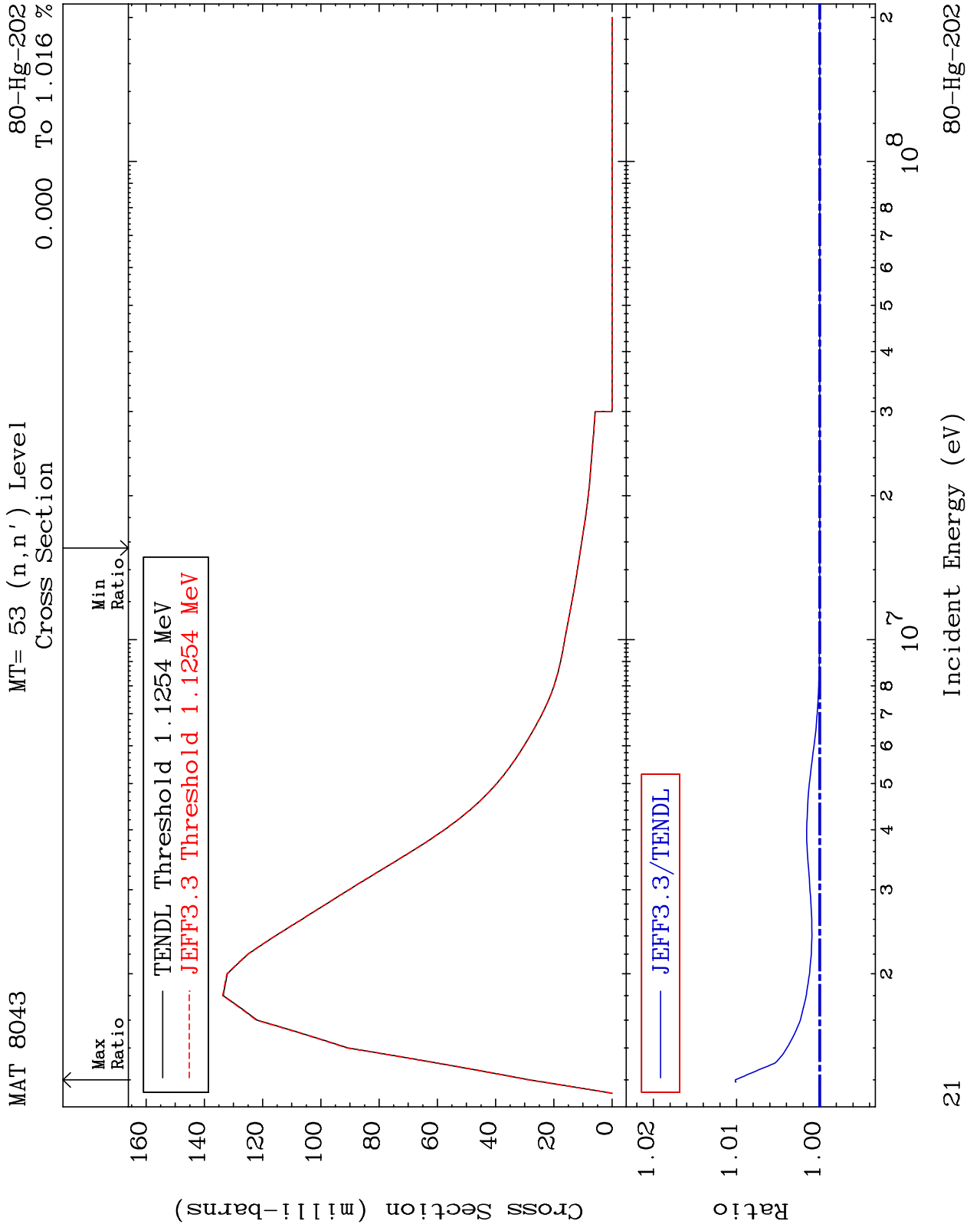
(n,2n) p
Cross Section

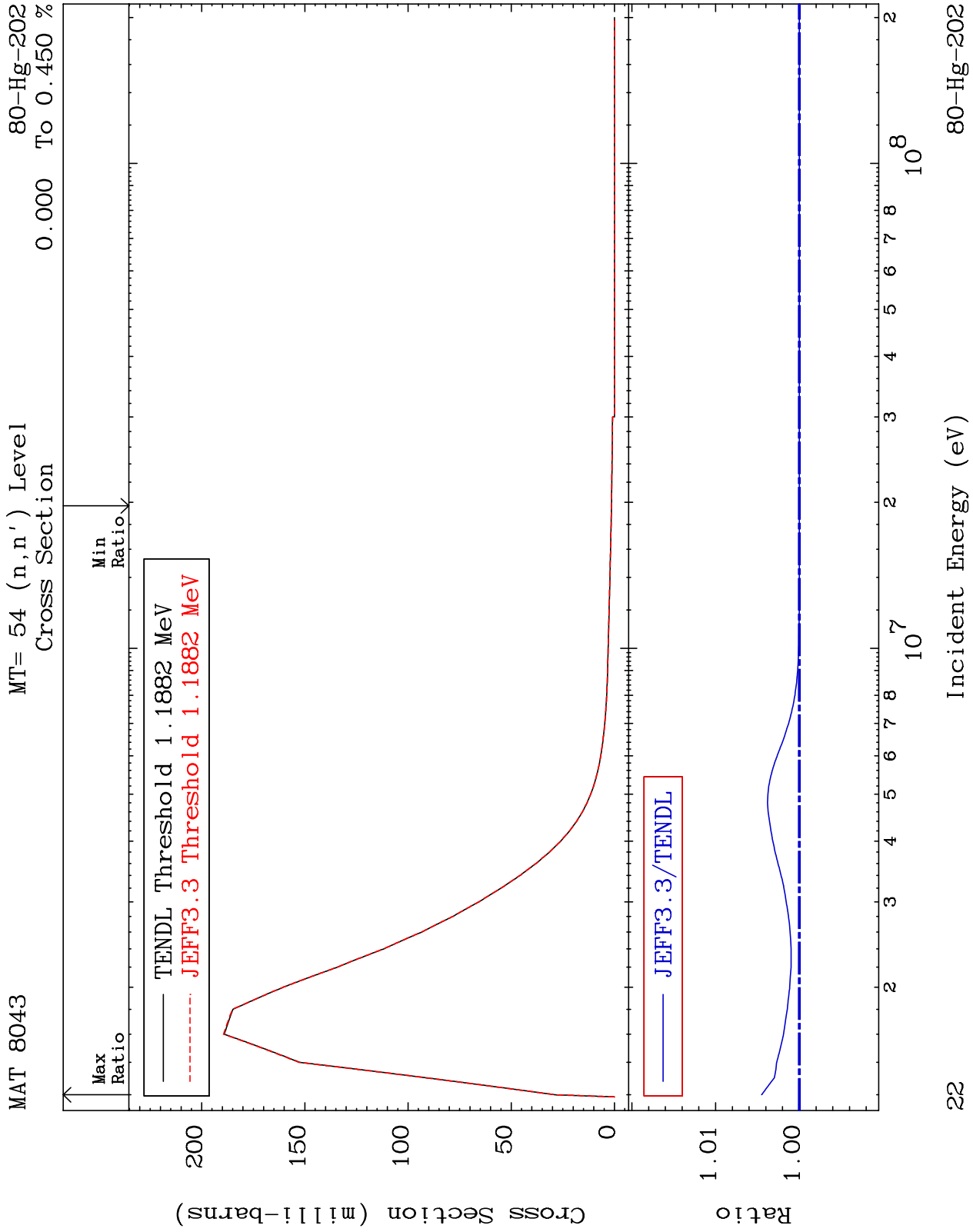
80-Hg-202
0.000 To 2575. %

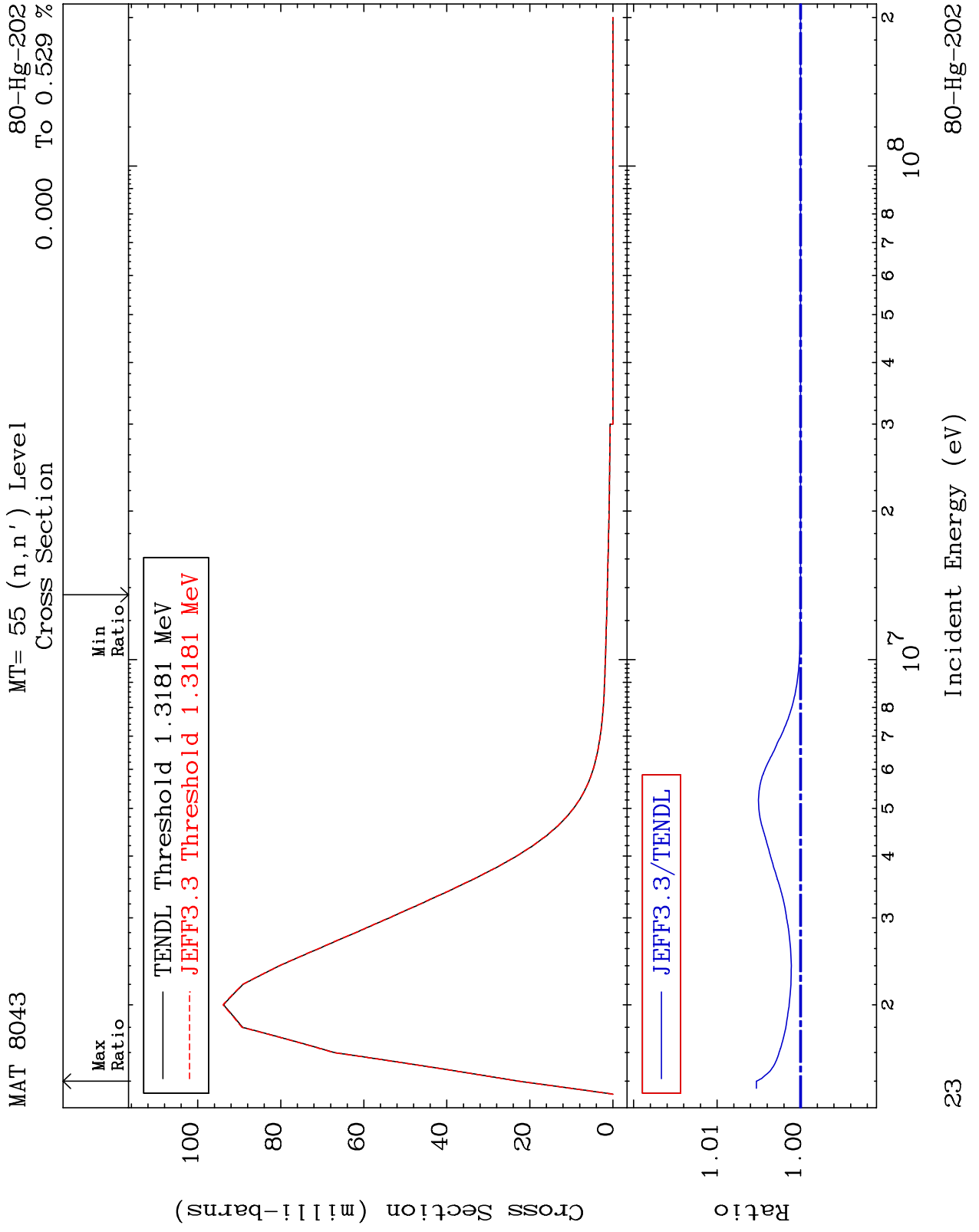








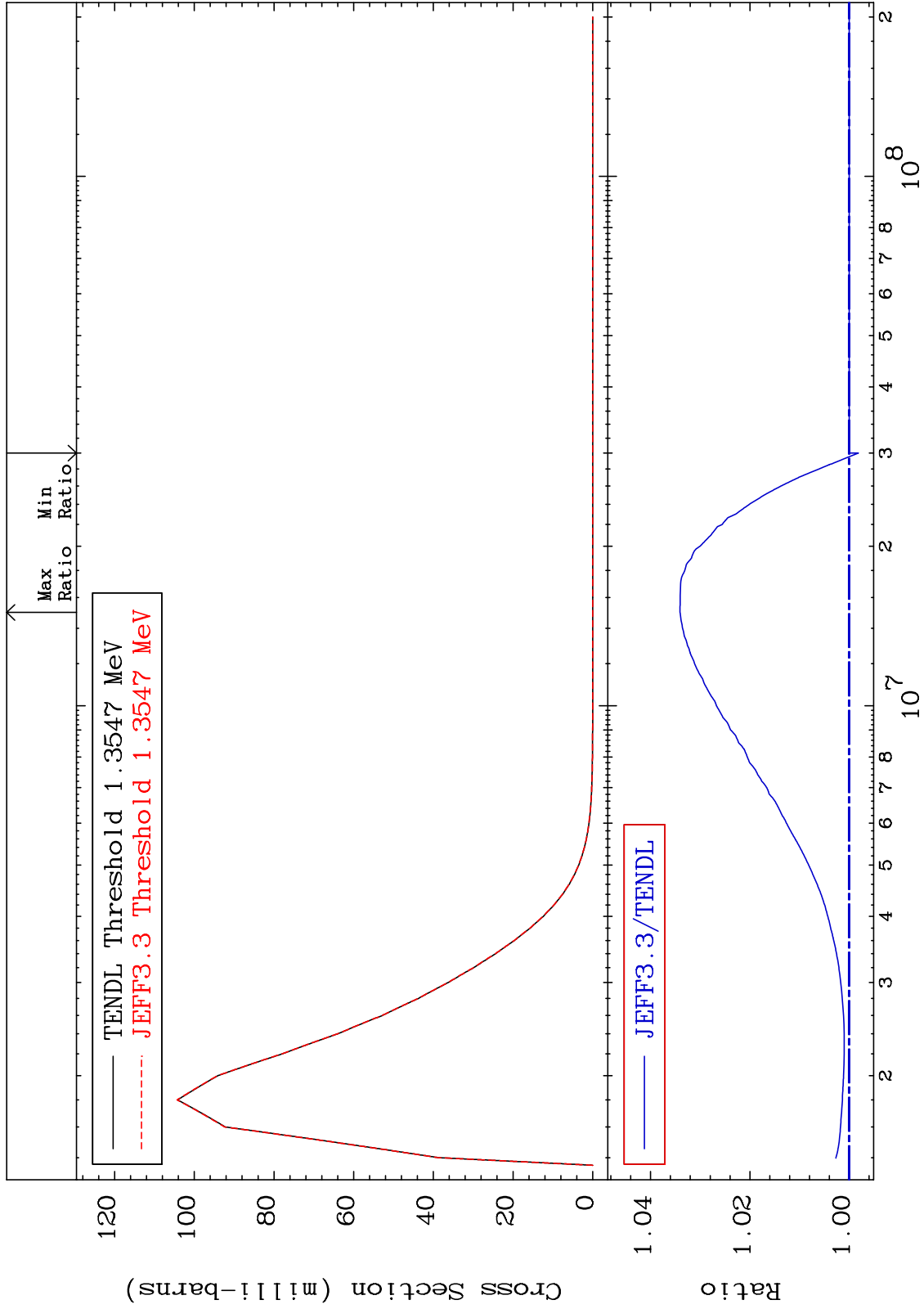


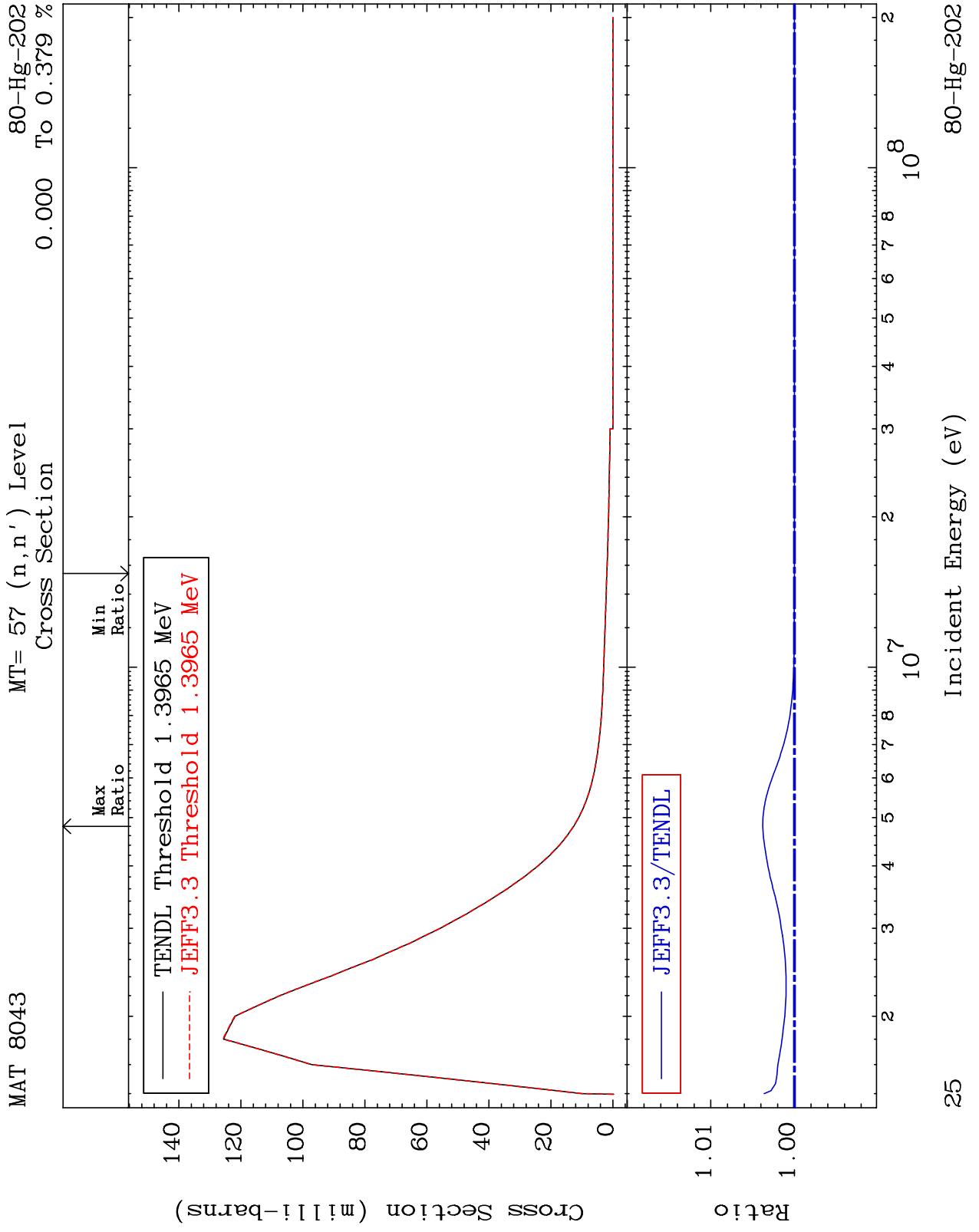


MAT 8043

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

80-Hg-202
-0.187 To 3.407 %

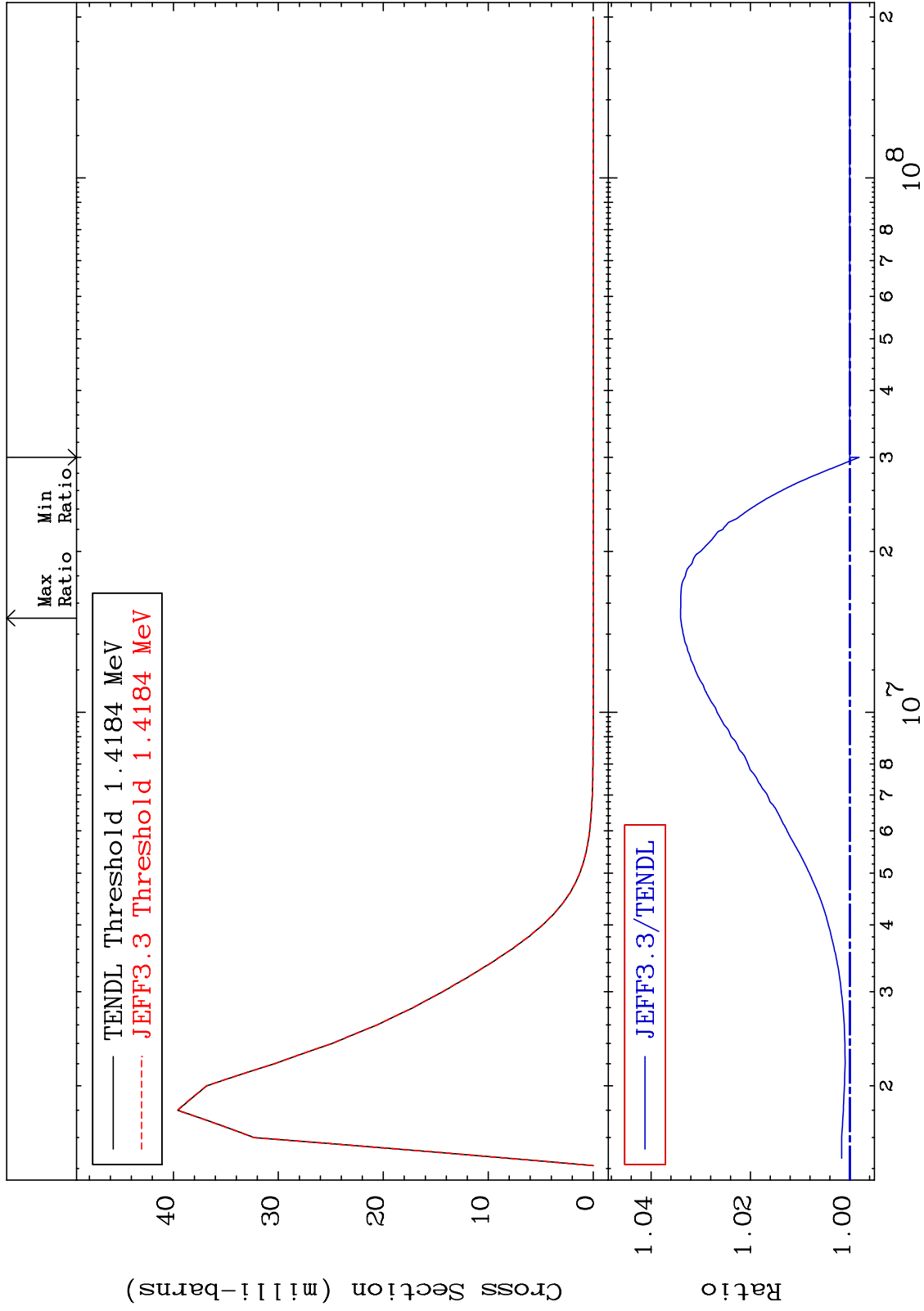


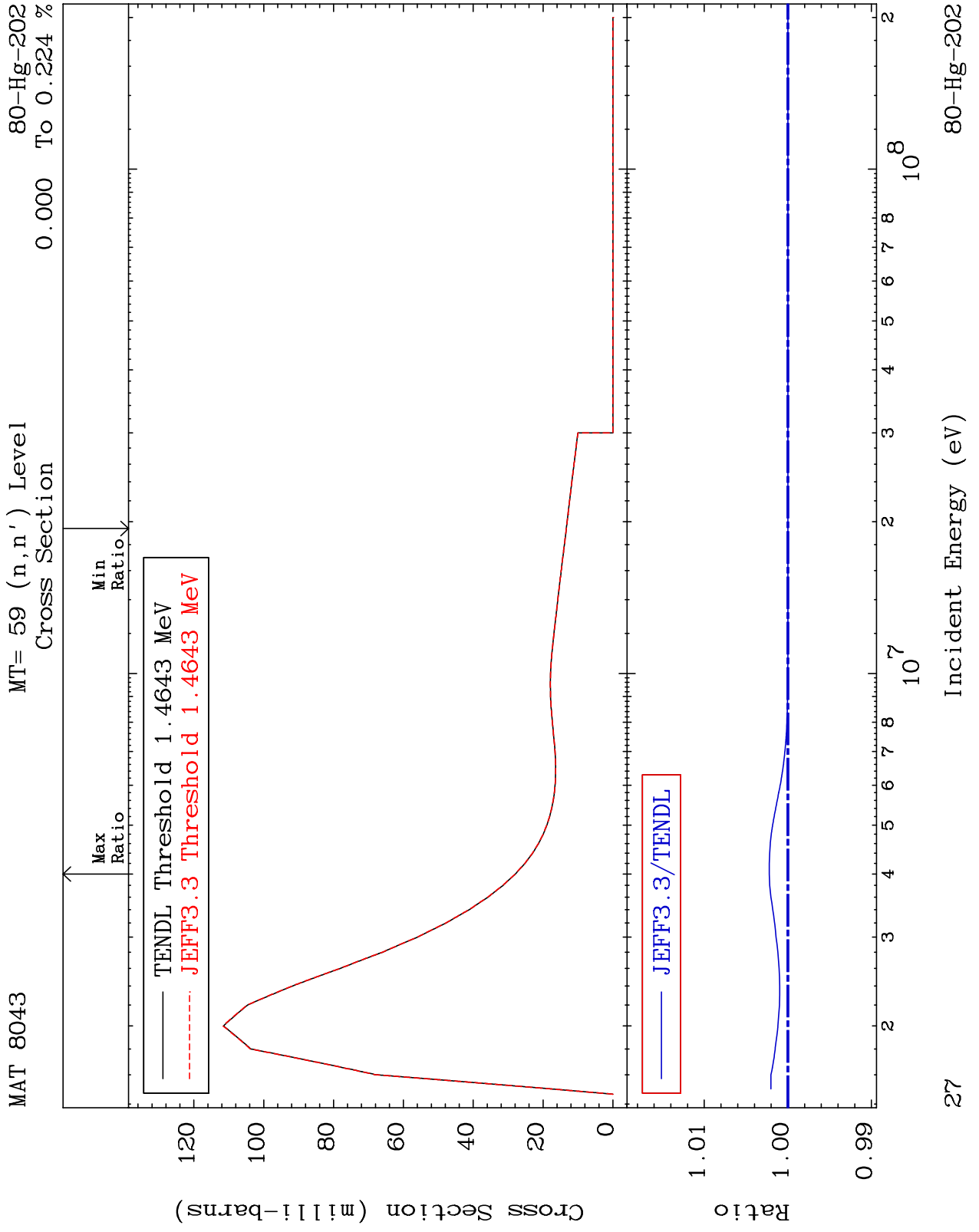


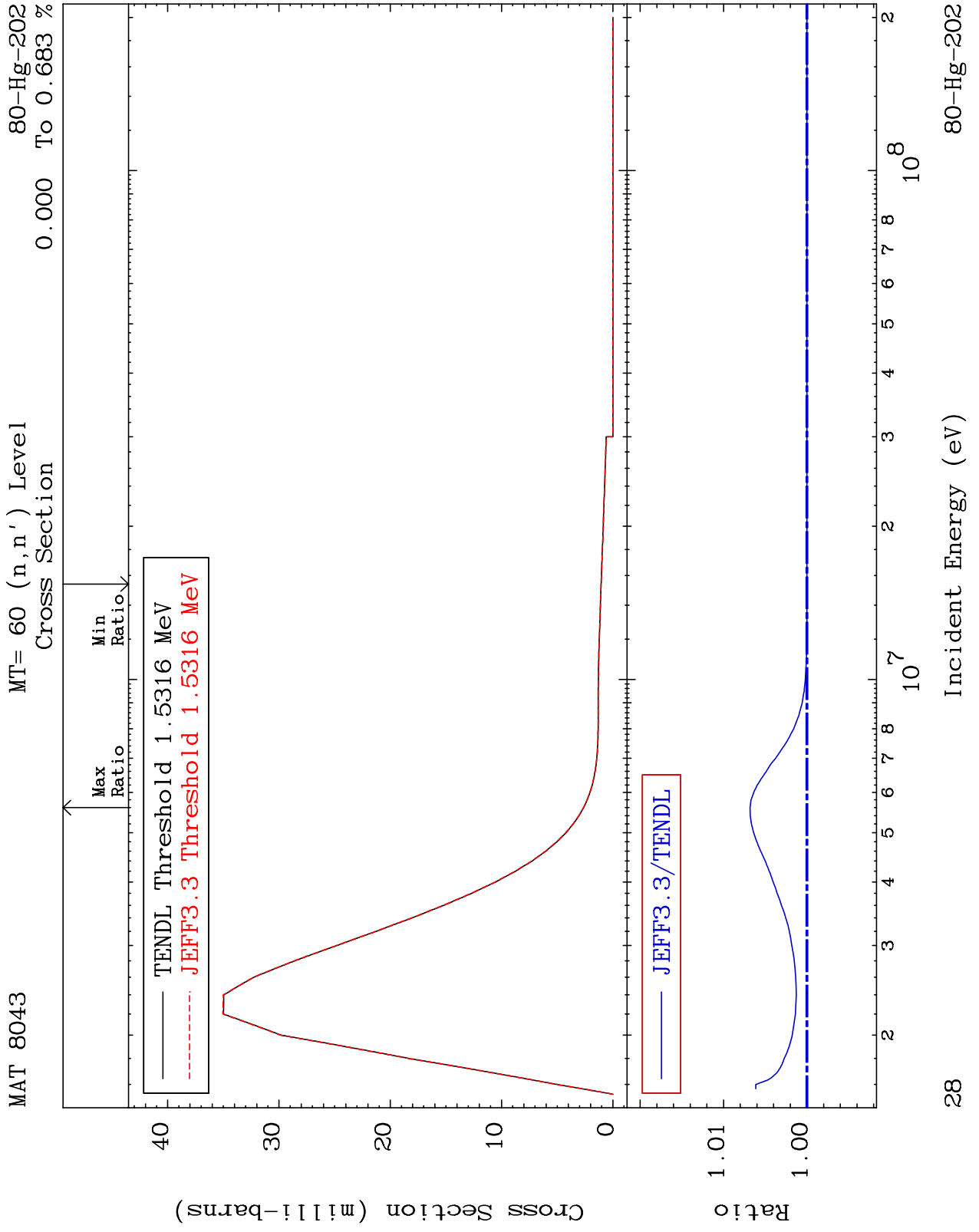
MAT 8043

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

80-Hg-202
-0.188 To 3.407 %



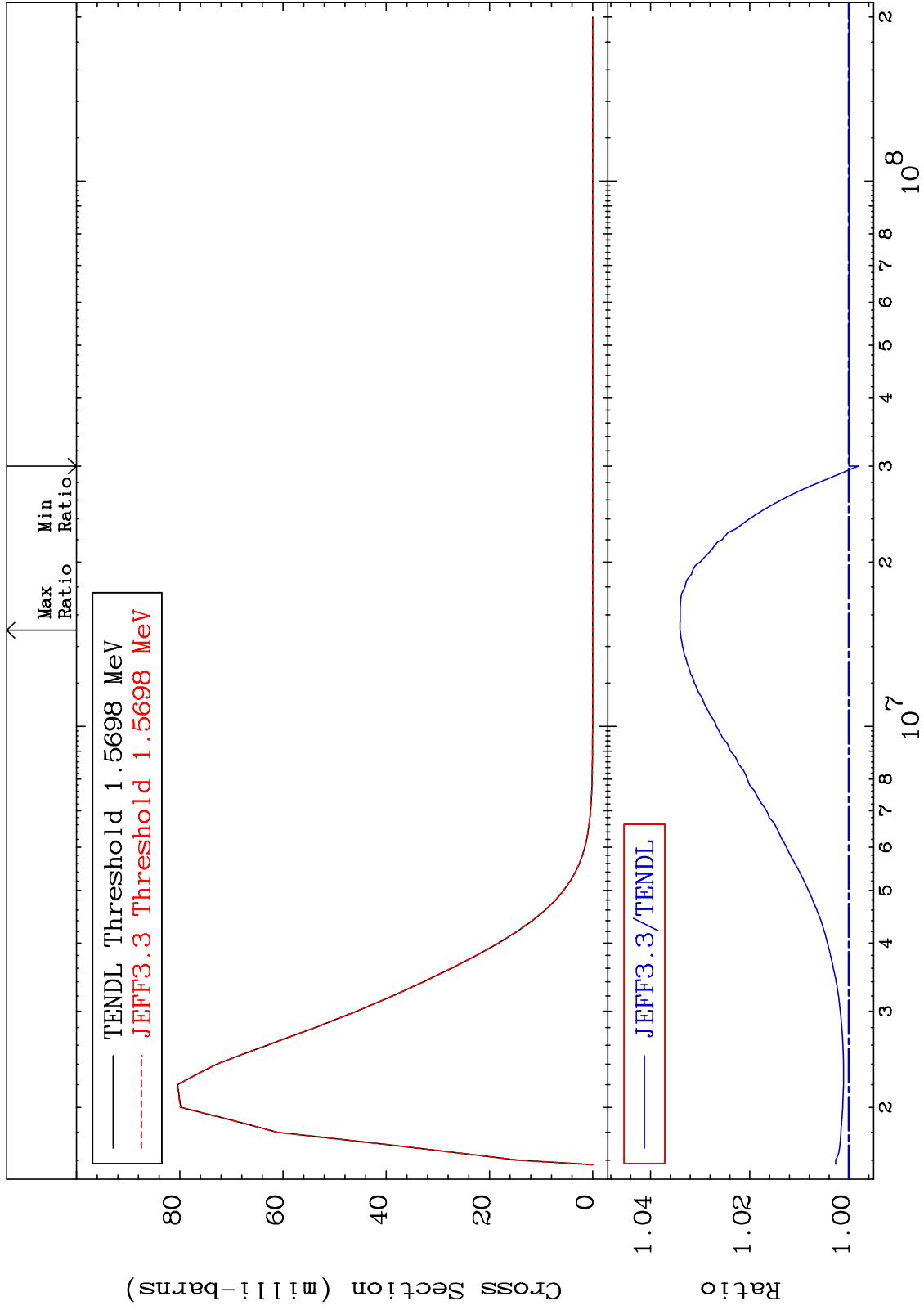




MAT 8043

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

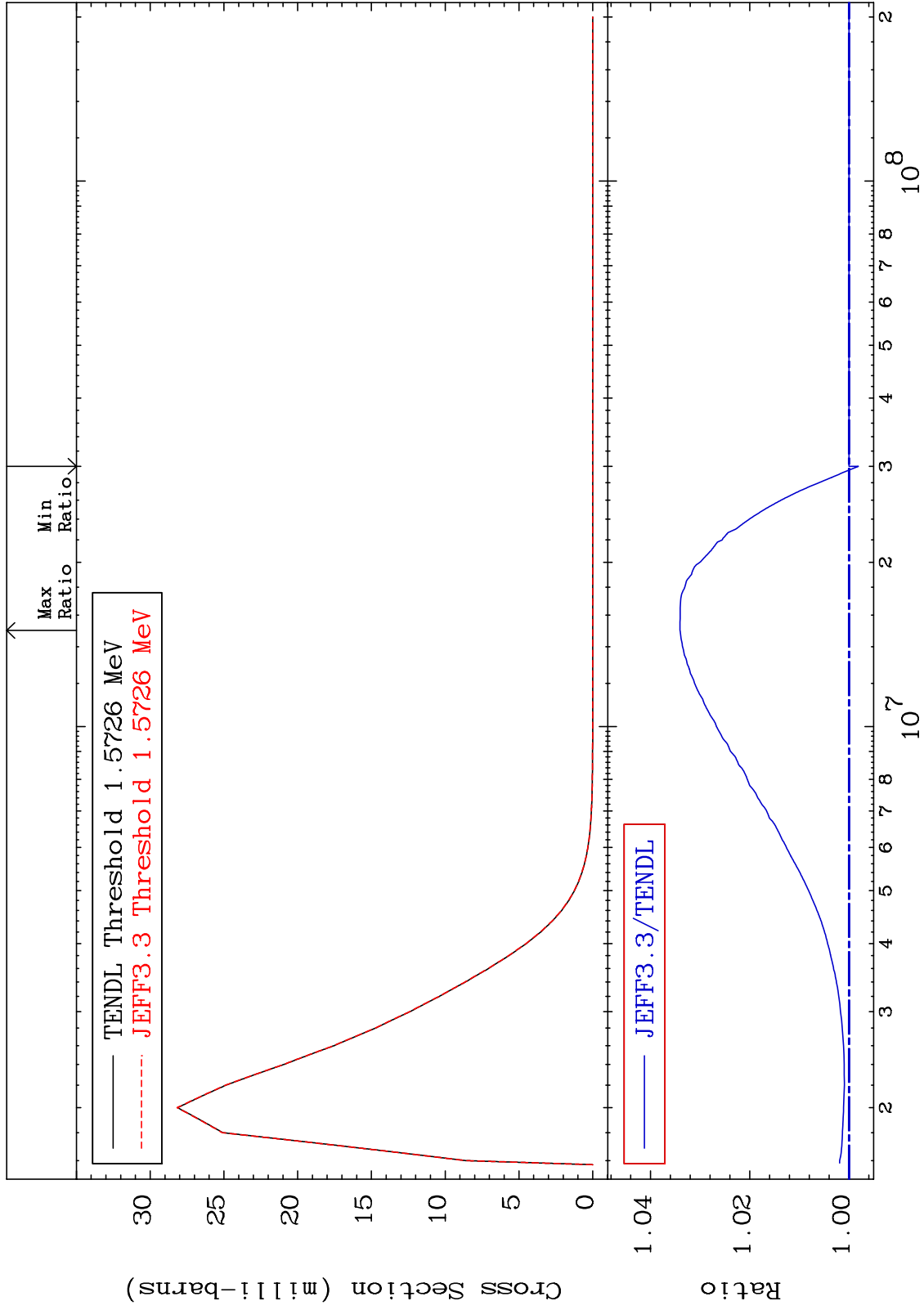
80-Hg-202
-0.192 To 3.405 %



MAT 8043

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

80-Hg-202
-0.188 To 3.407 %



30

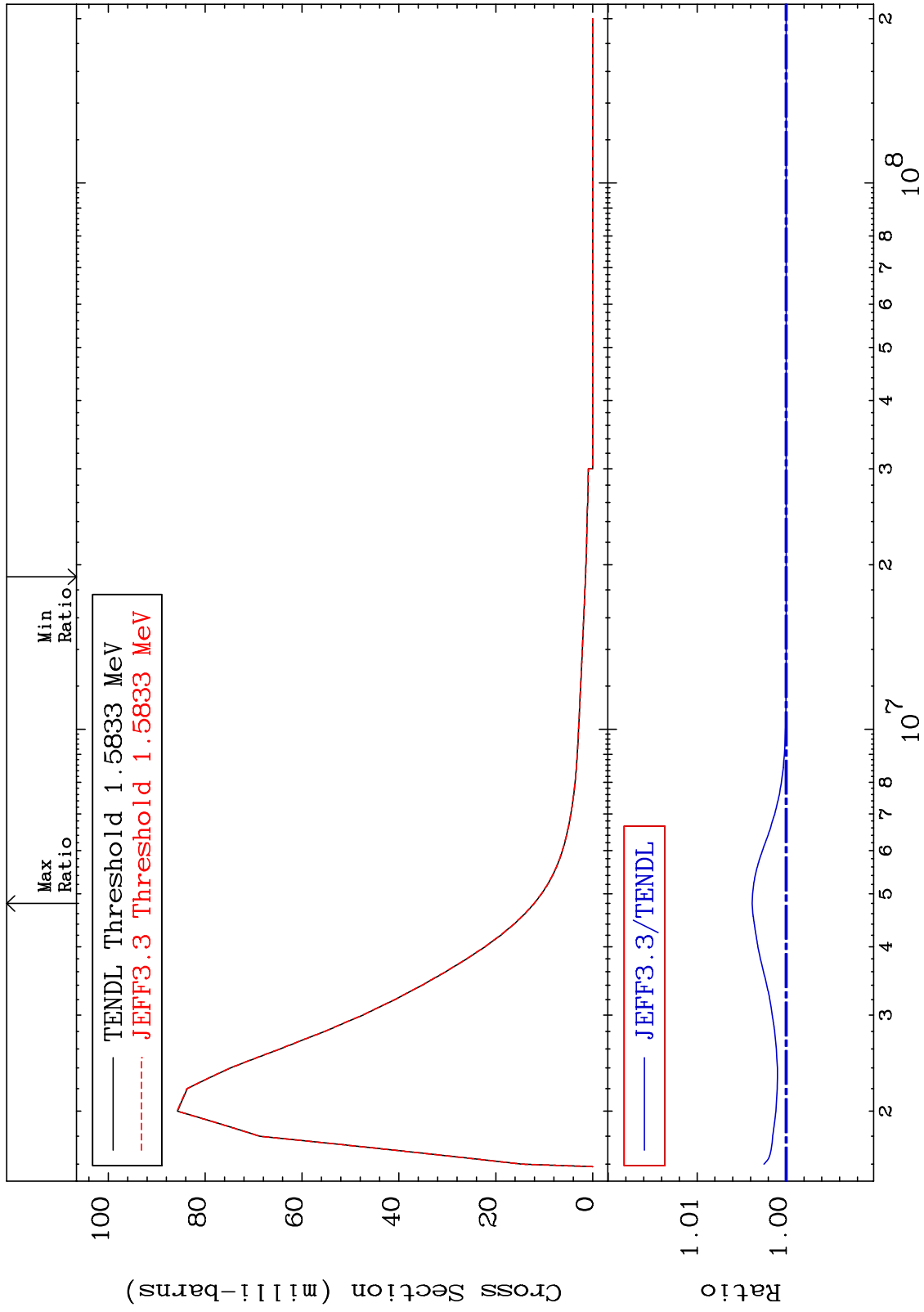
Incident Energy (eV)

80-Hg-202

MAT 8043

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

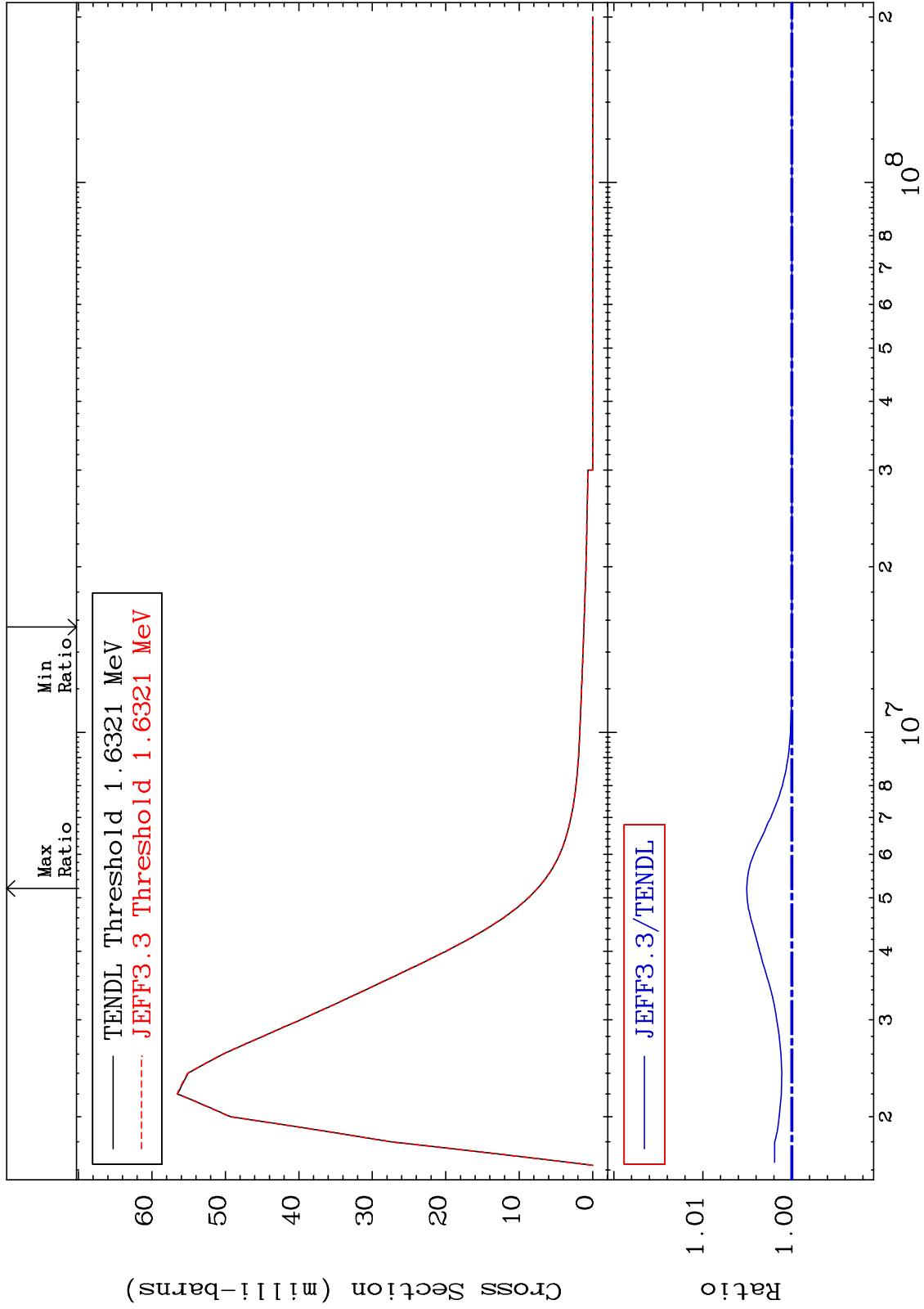
80-Hg-202
0.000 To 0.381 %



MAT 8043

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

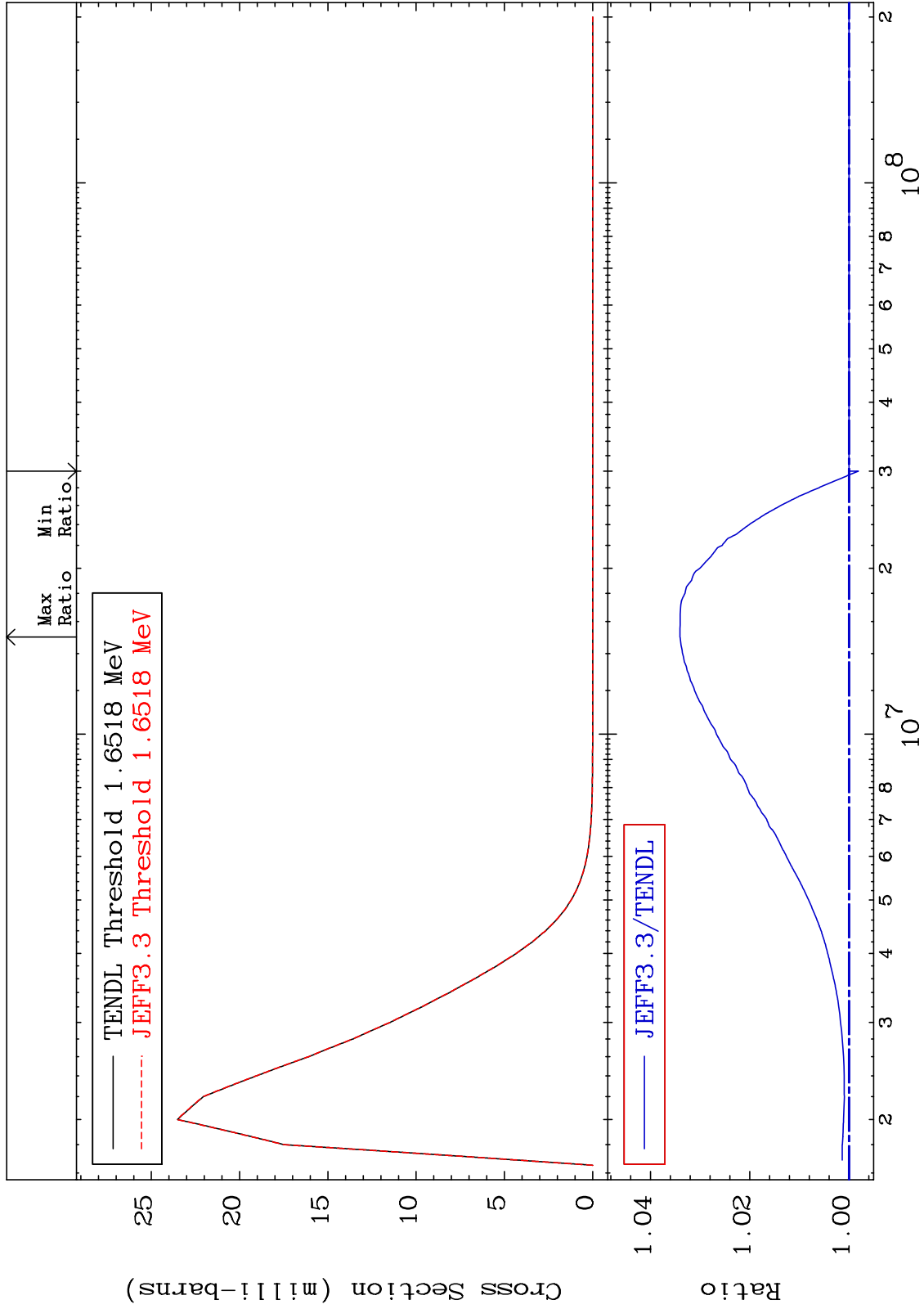
80-Hg-202
To 0.507 %

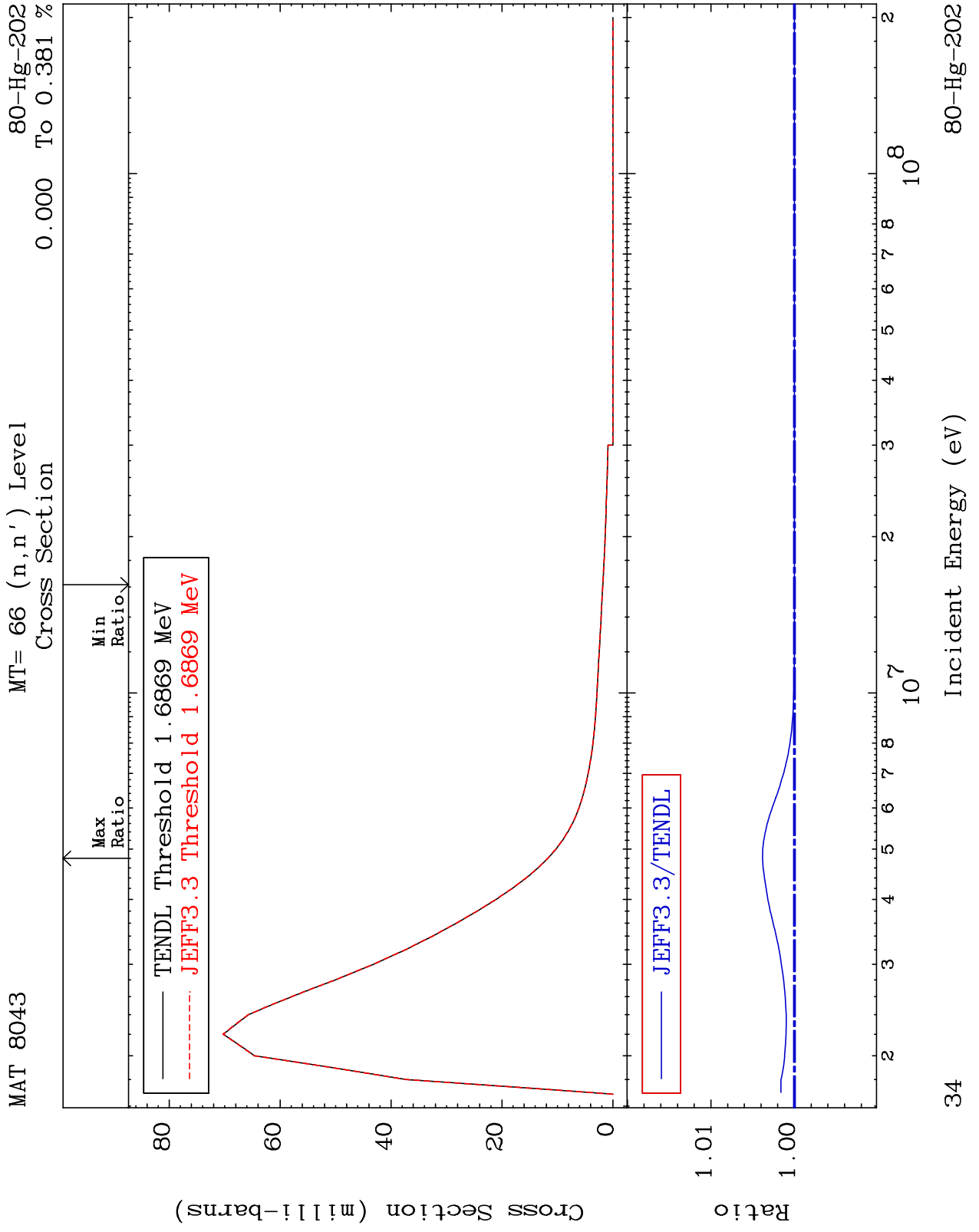


MAT 8043

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

80-Hg-202
-0.188 To 3.407 %

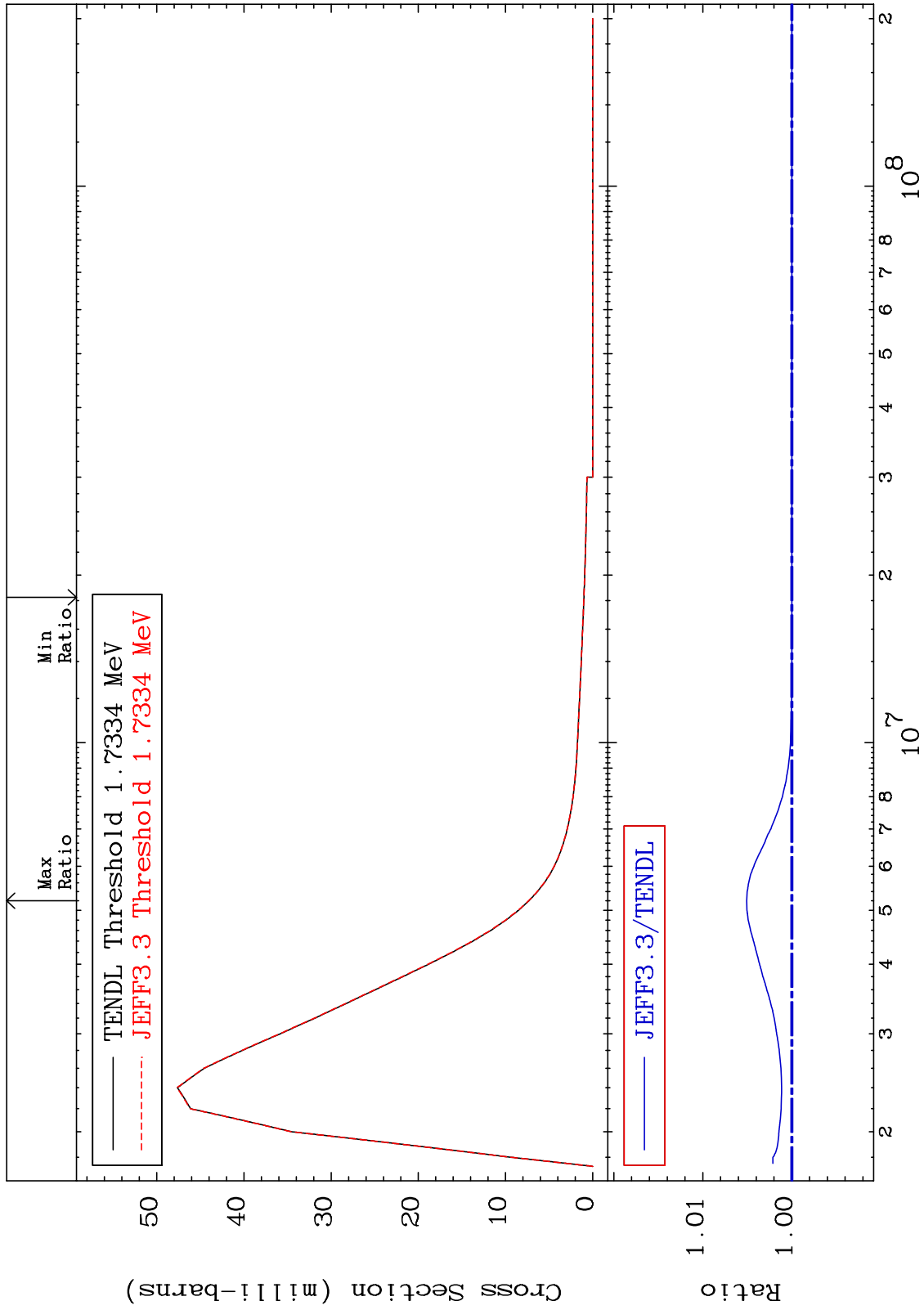




MAT 8043

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

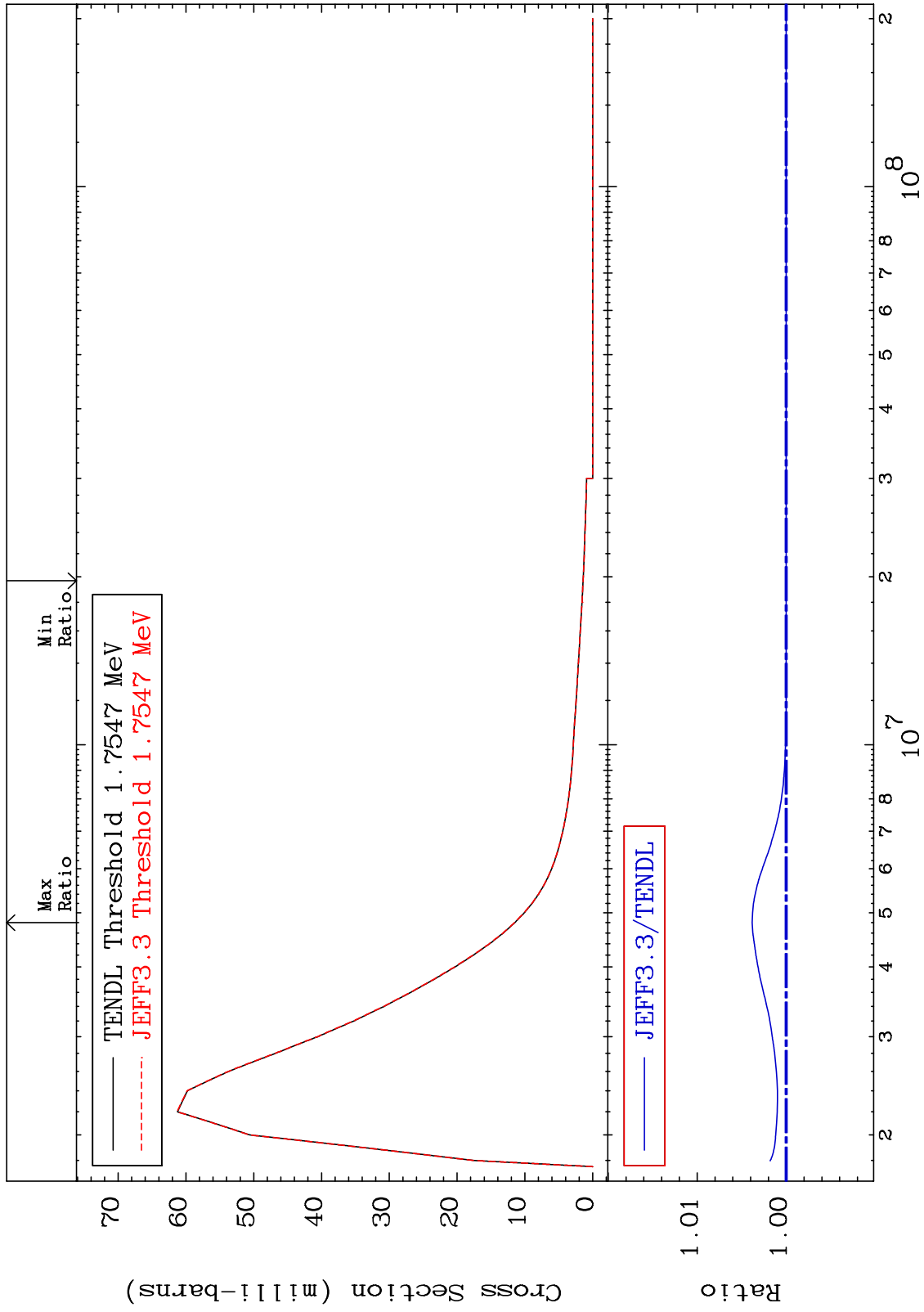
80-Hg-202
To 0.507 %

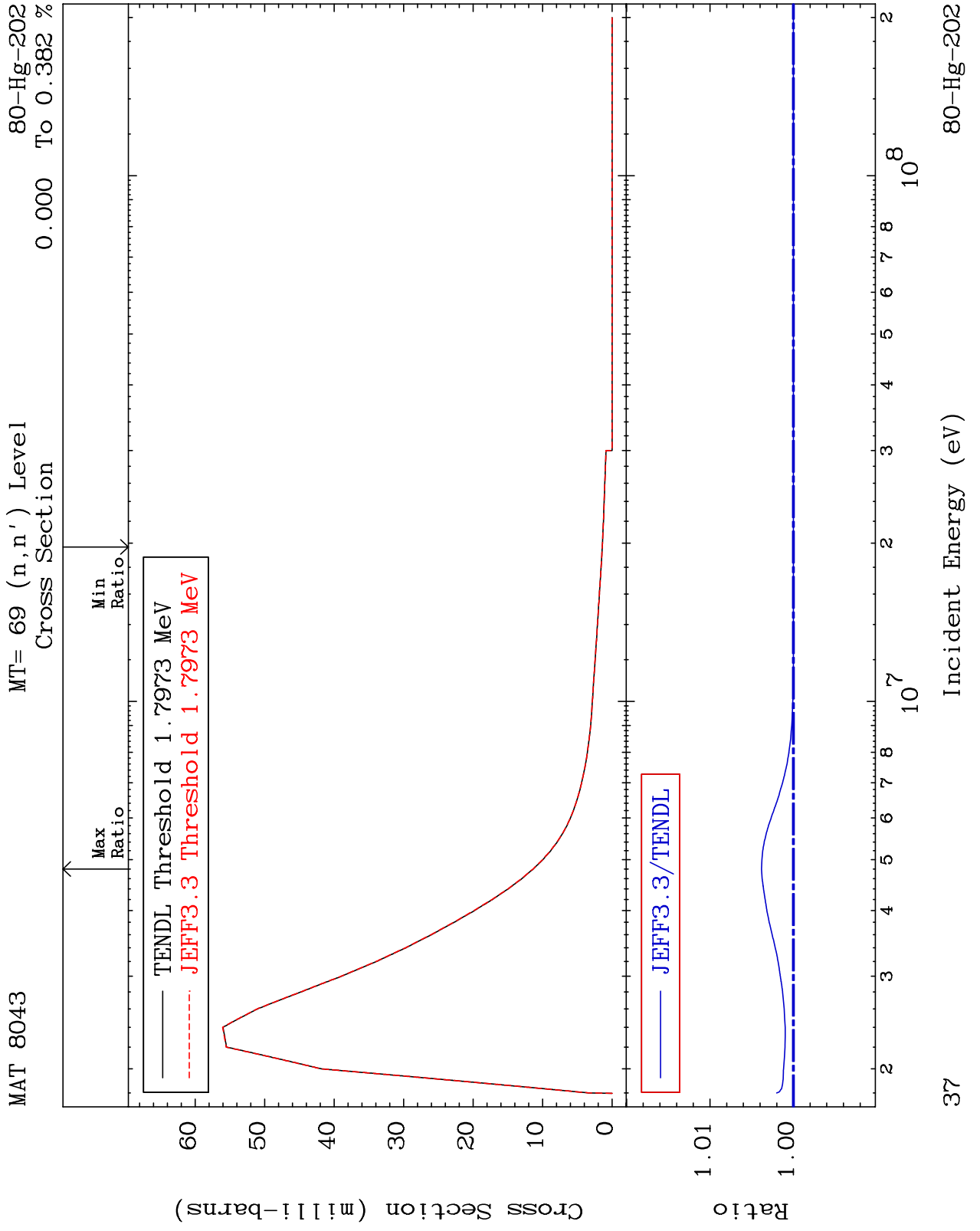


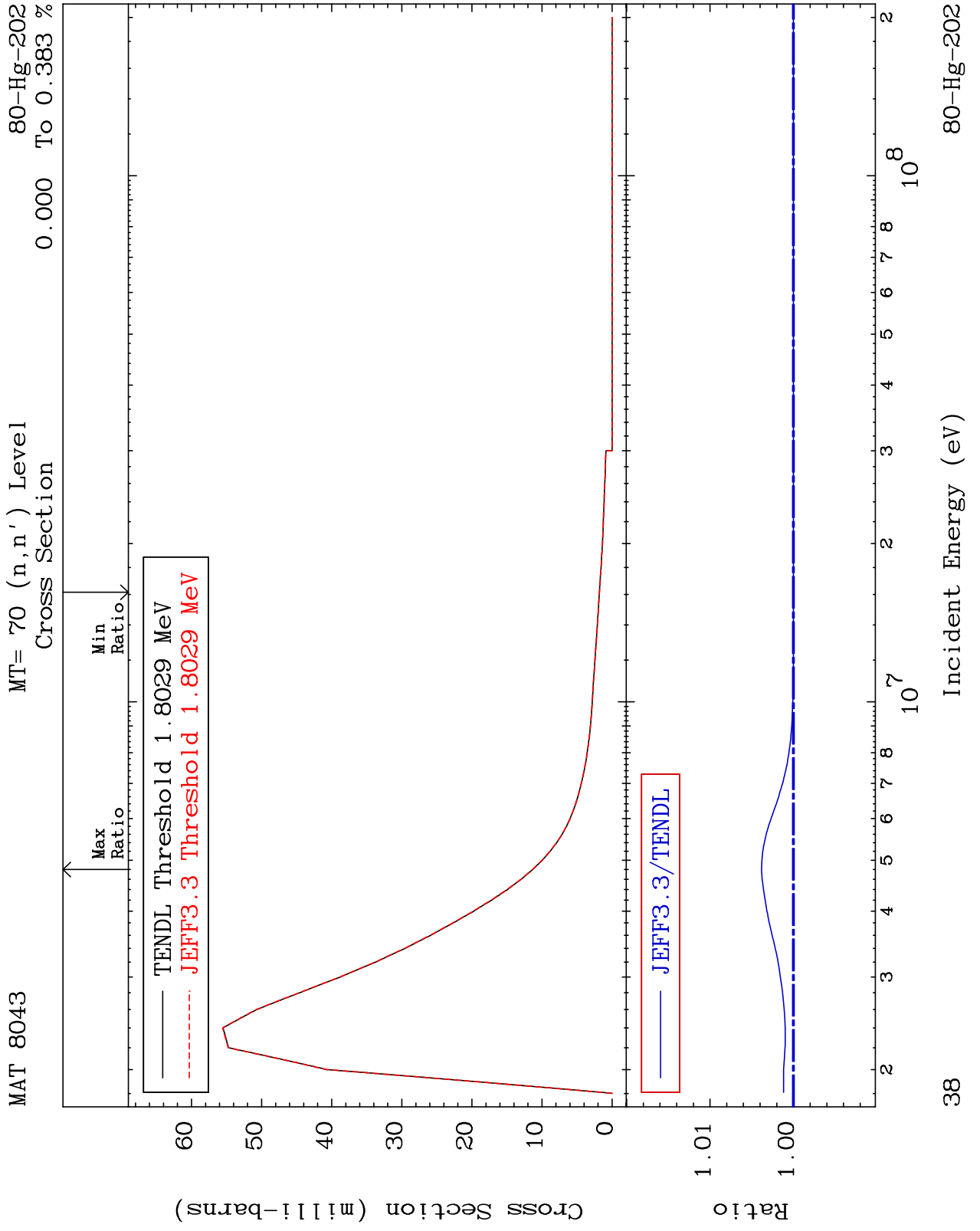
MAT 8043

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

80-Hg-202
To 0.382 %



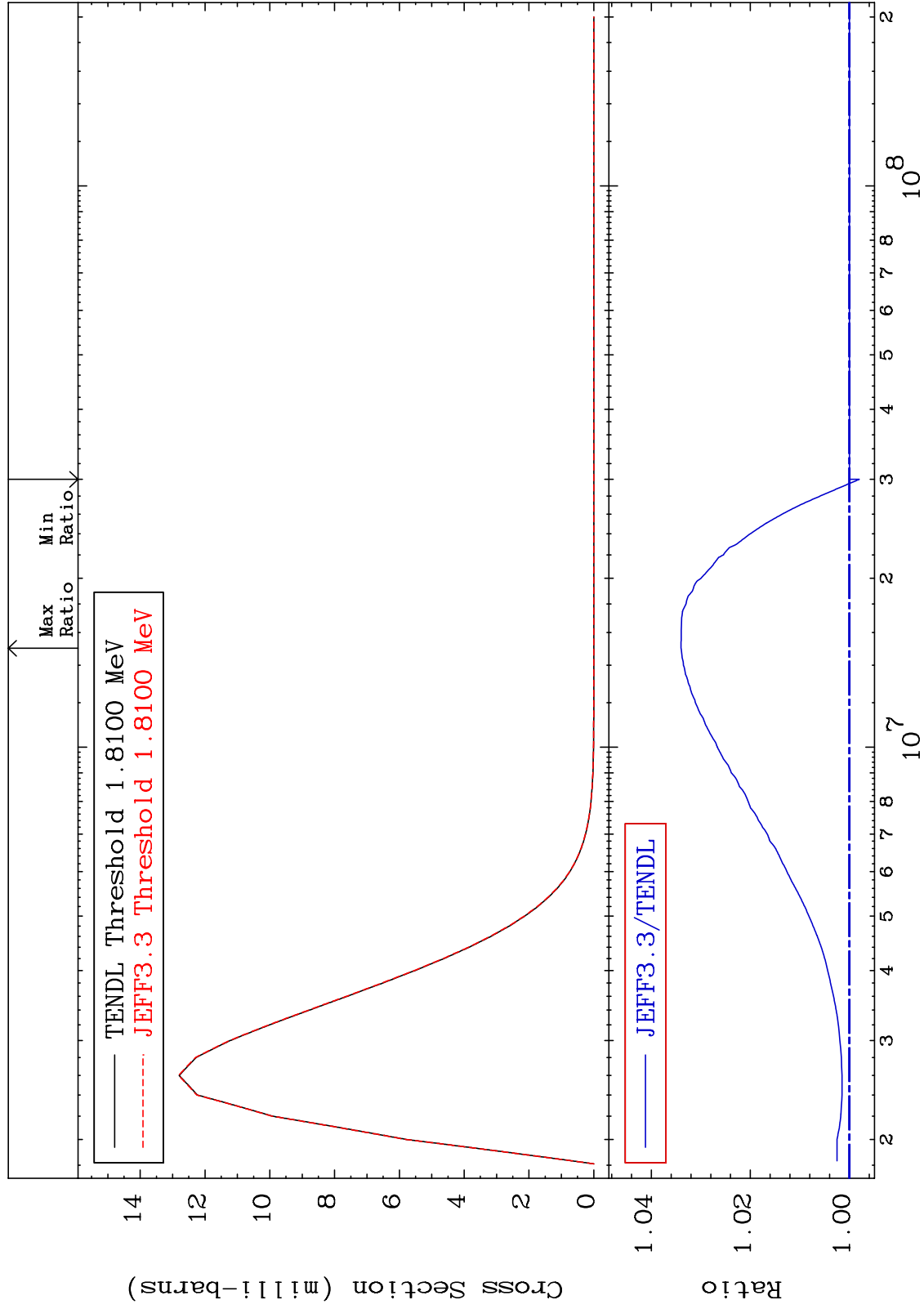




MAT 8043

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

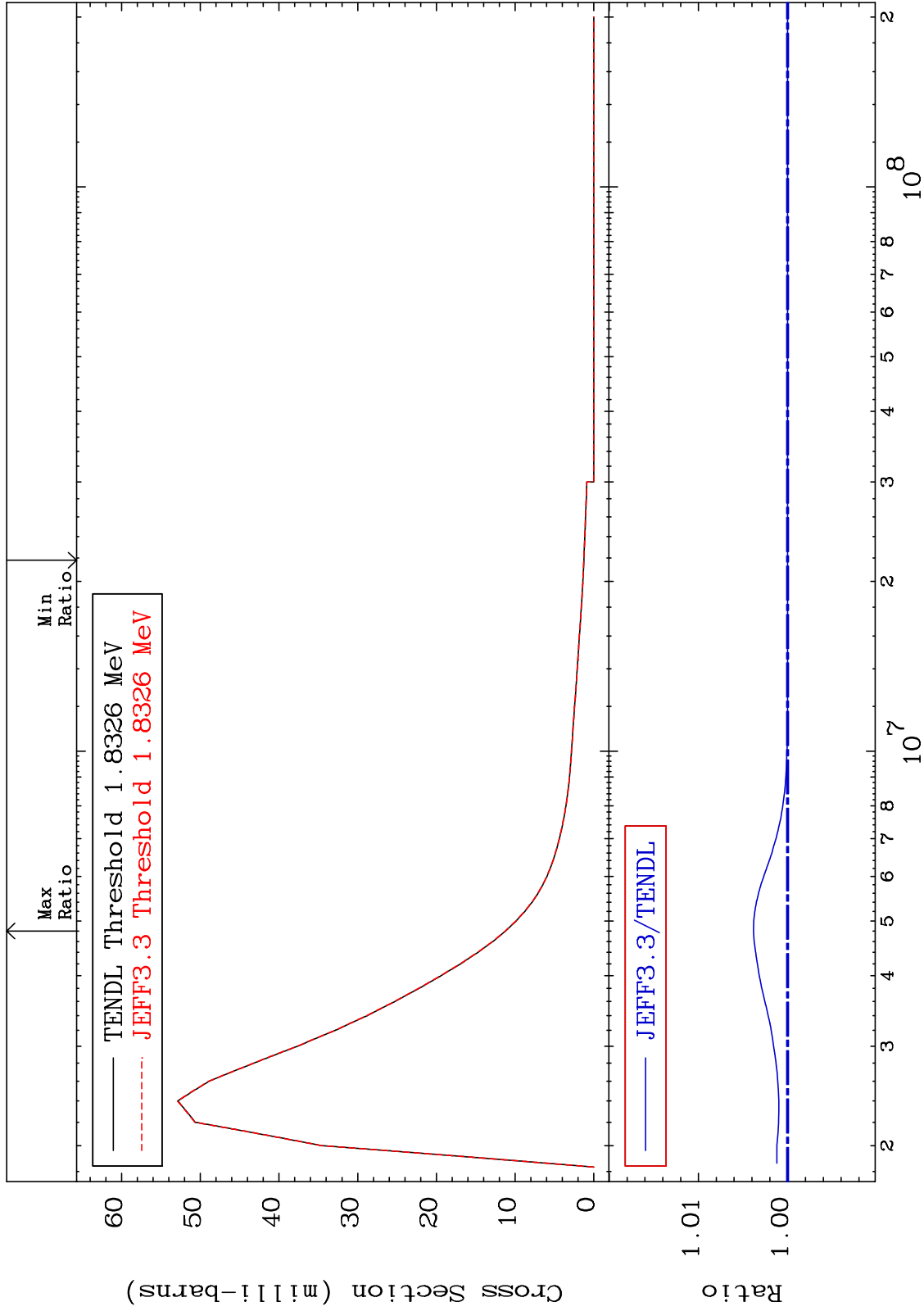
80-Hg-202
-0.201 To 3.400 %



MAT 8043

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

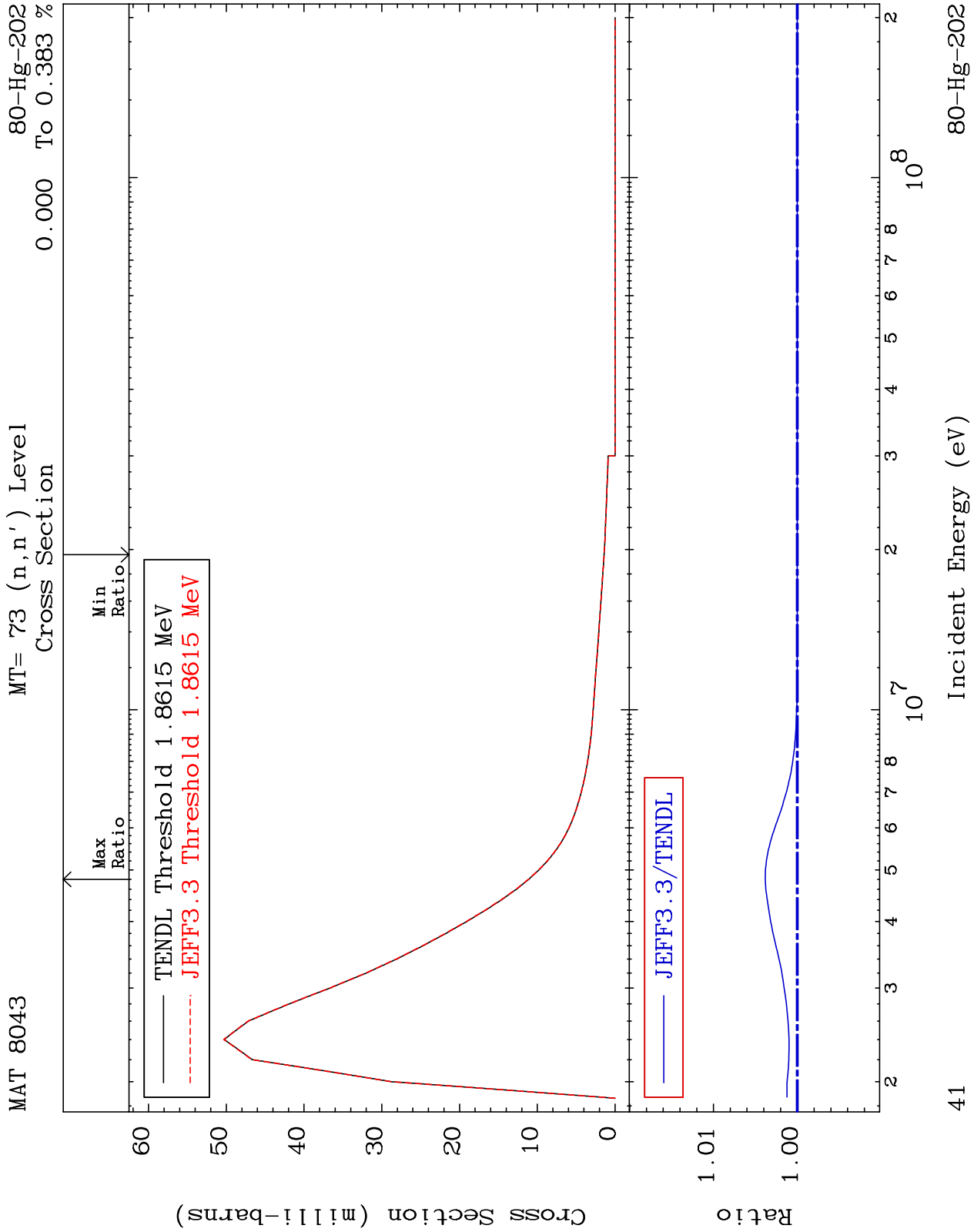
80-Hg-202
0.000 To 0.383 %



40

Incident Energy (eV)

80-Hg-202



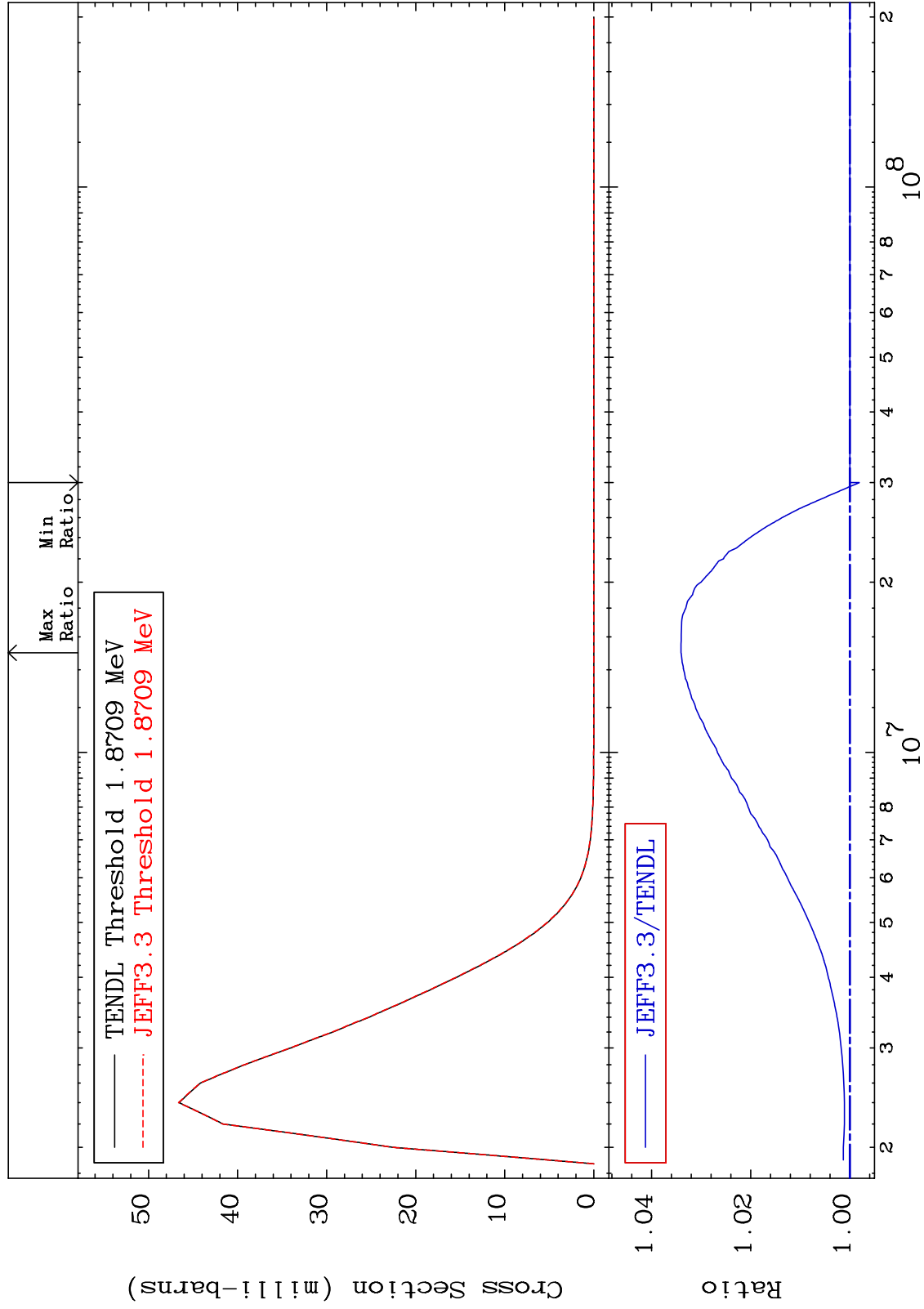
MAT 8043

MT= 74 (n,n') Level

80-Hg-202

-0.191 To 3.405 %

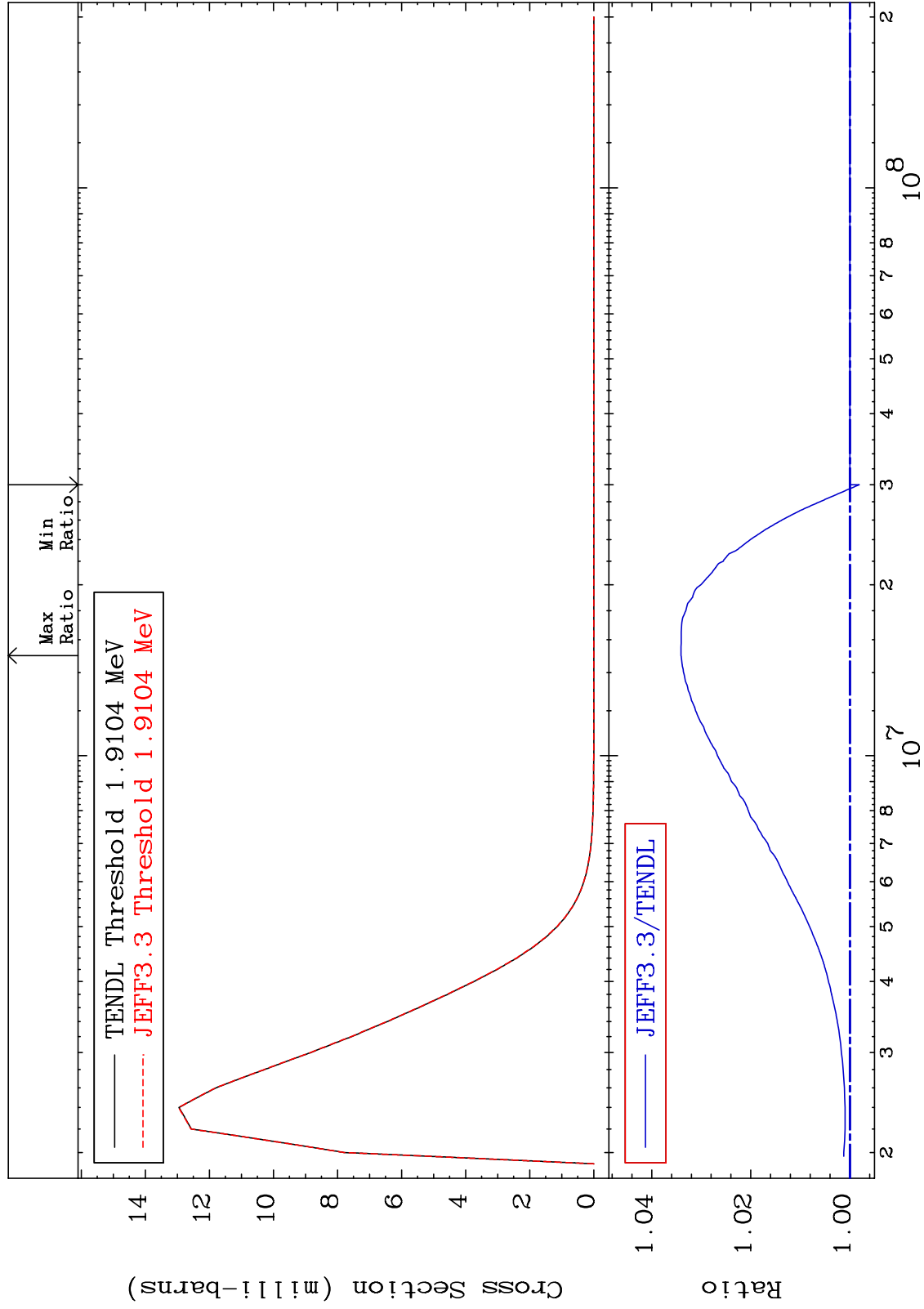
Cross Section



MAT 8043

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

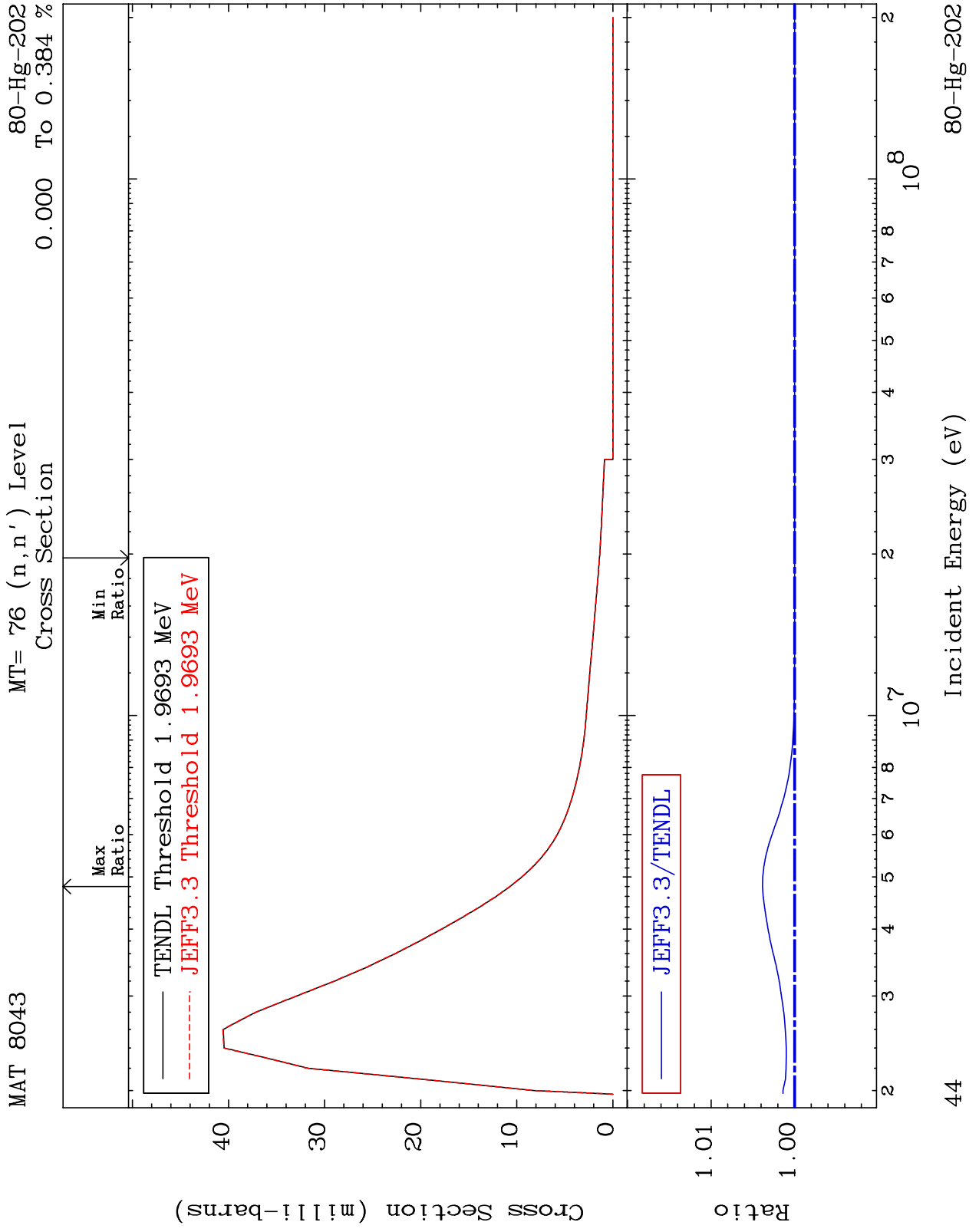
80-Hg-202
-0.188 To 3.407 %

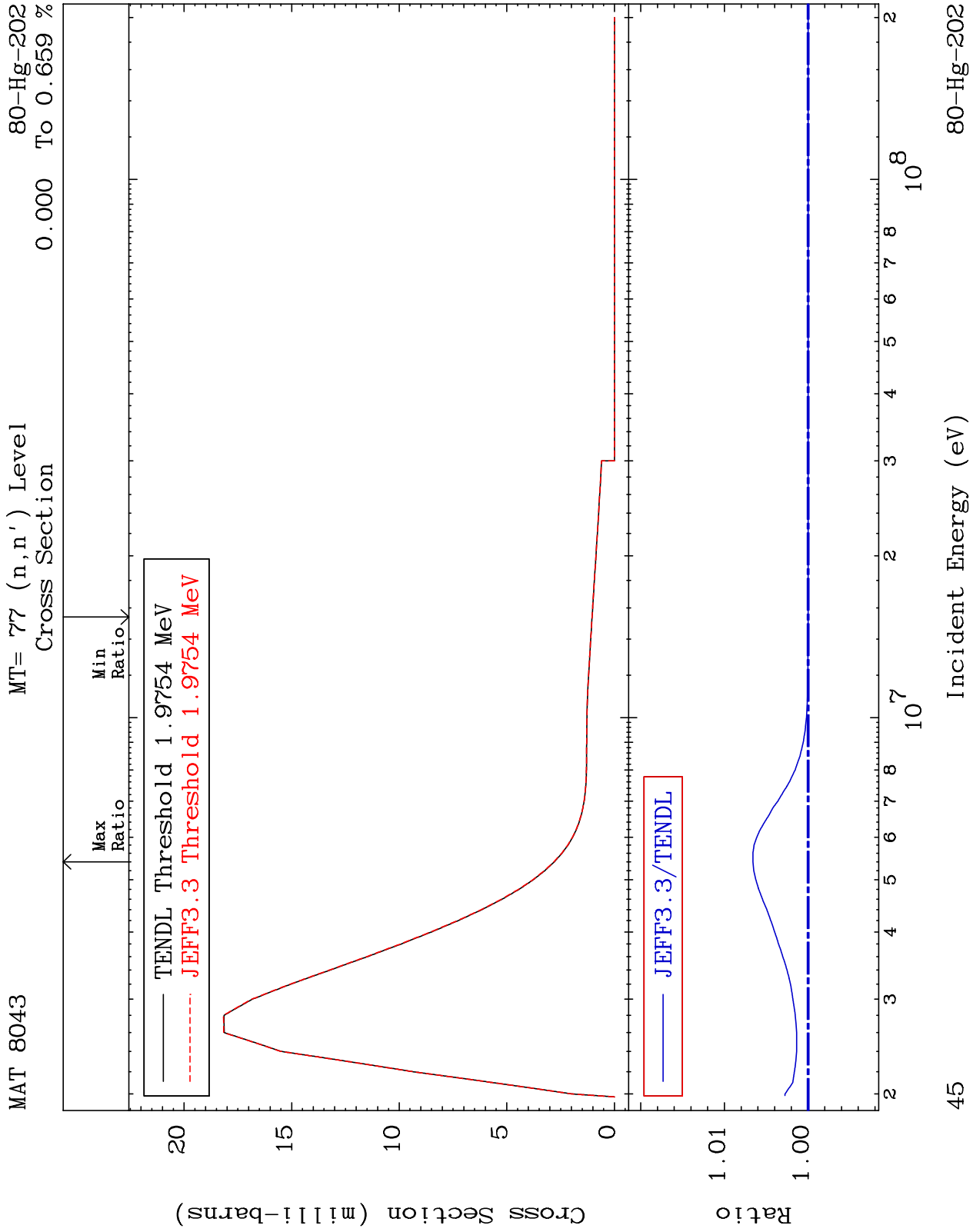


43

Incident Energy (eV)

80-Hg-202

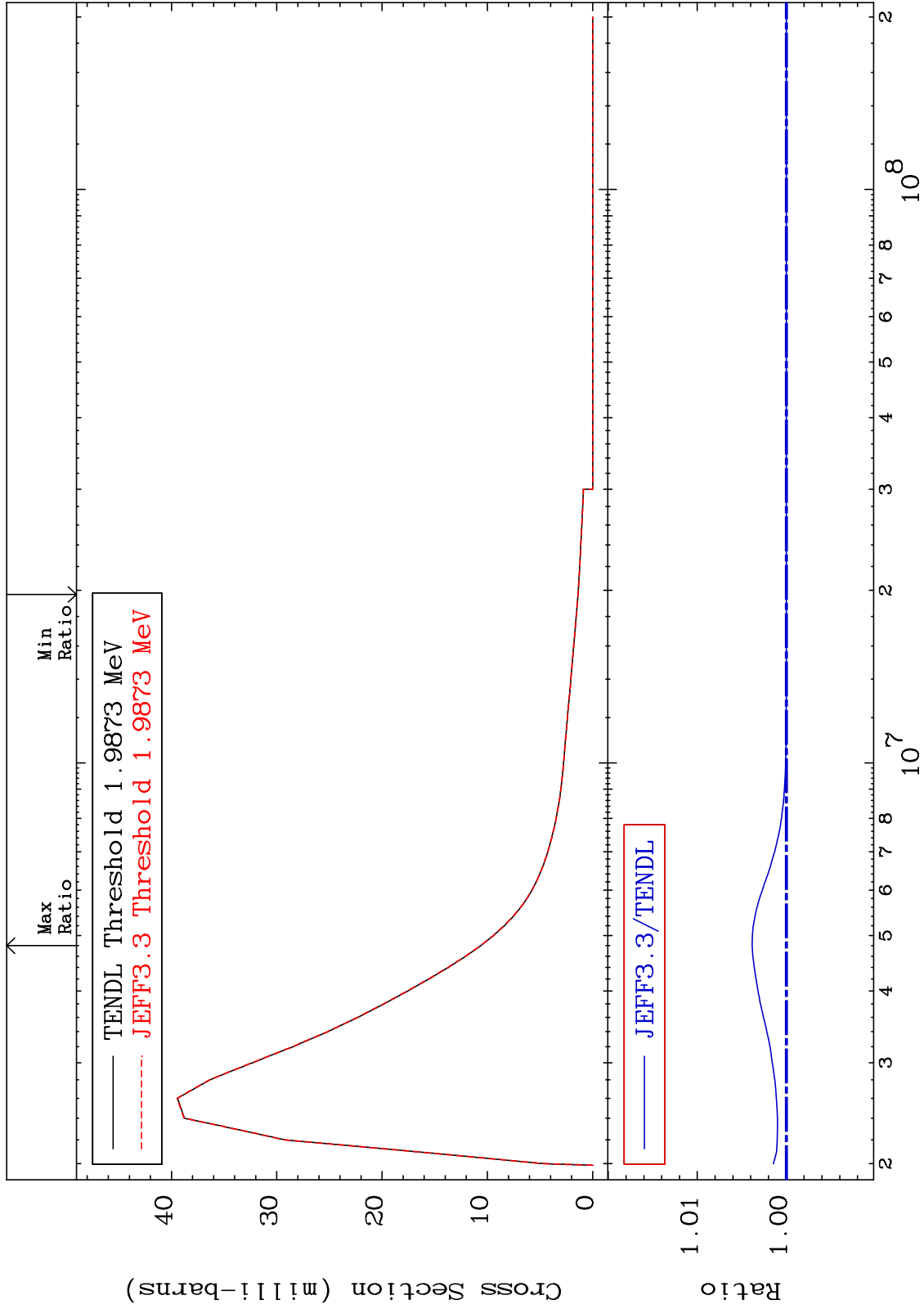


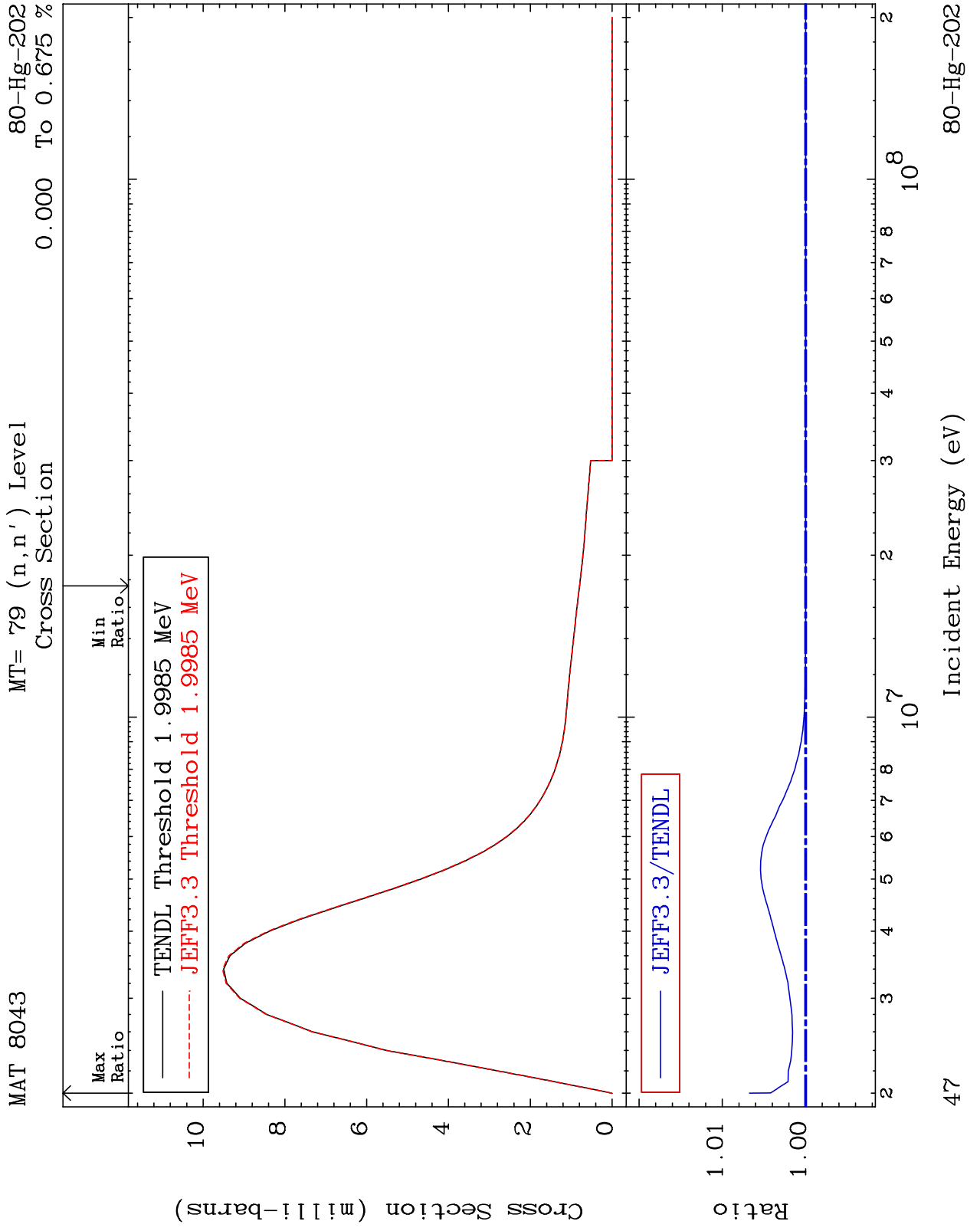


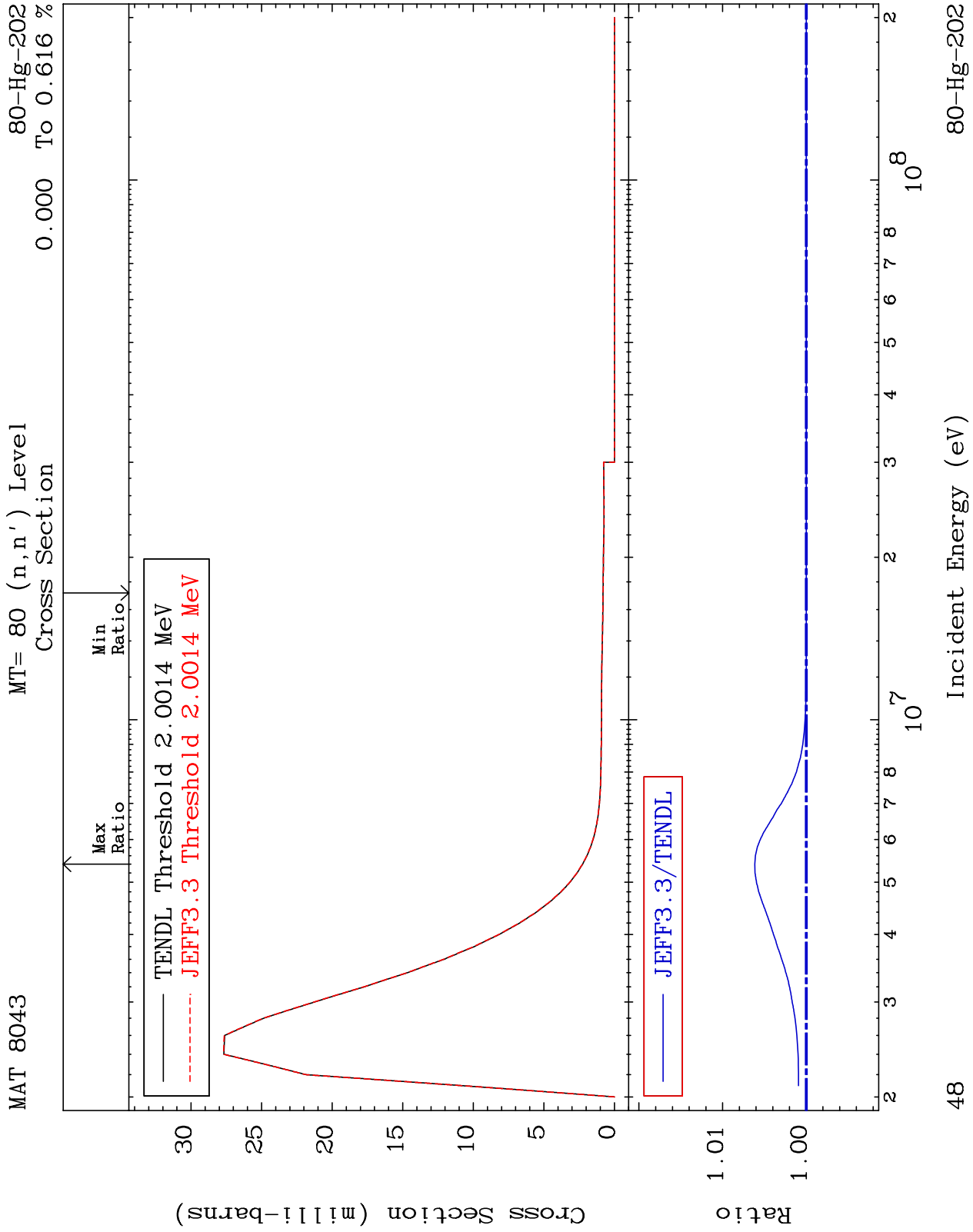
MAT 8043

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

80-Hg-202
To 0.384 %



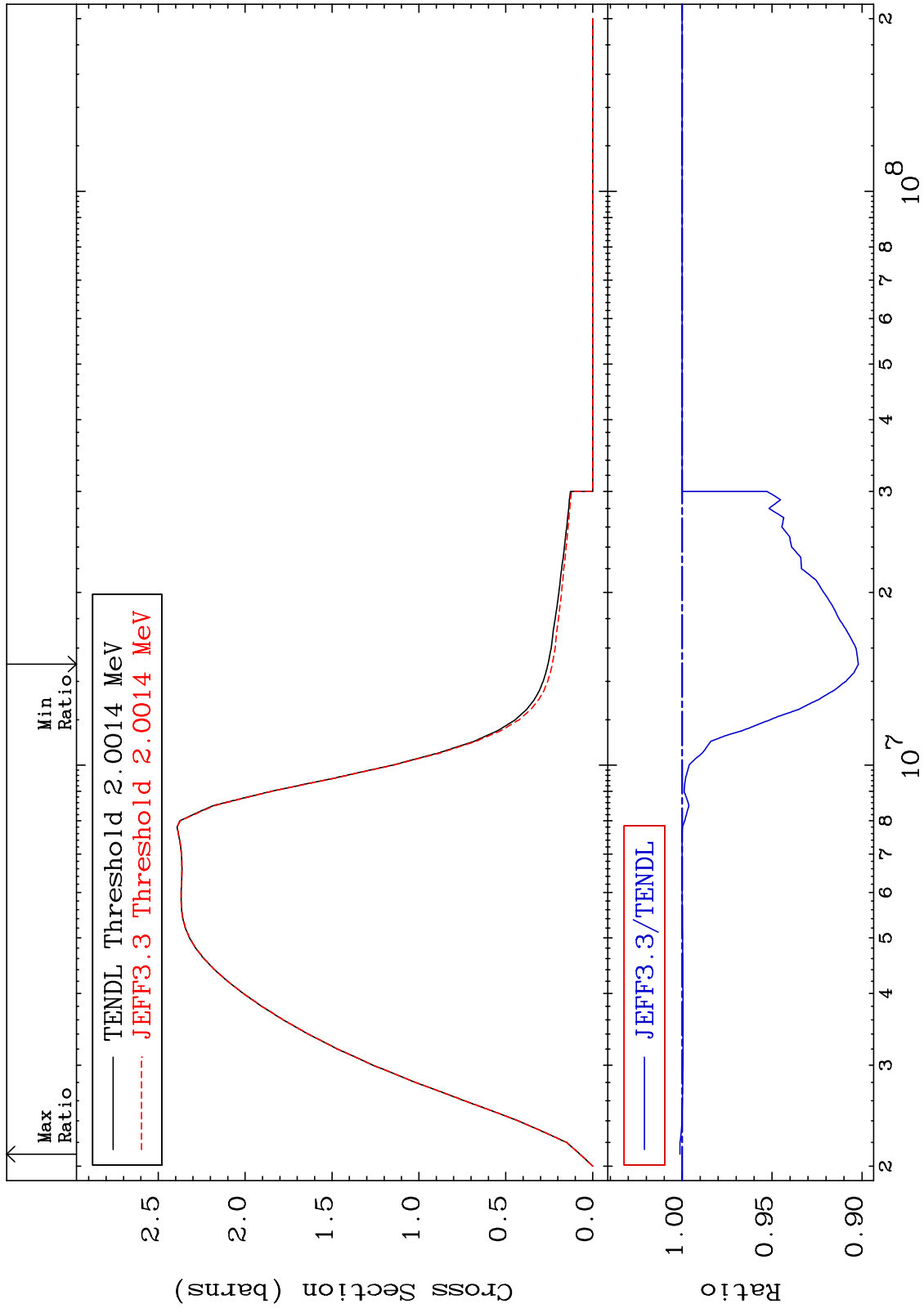




MAT 8043

(n, n') Continuum
Cross Section

80-Hg-202
-9.802 To 0.122 %

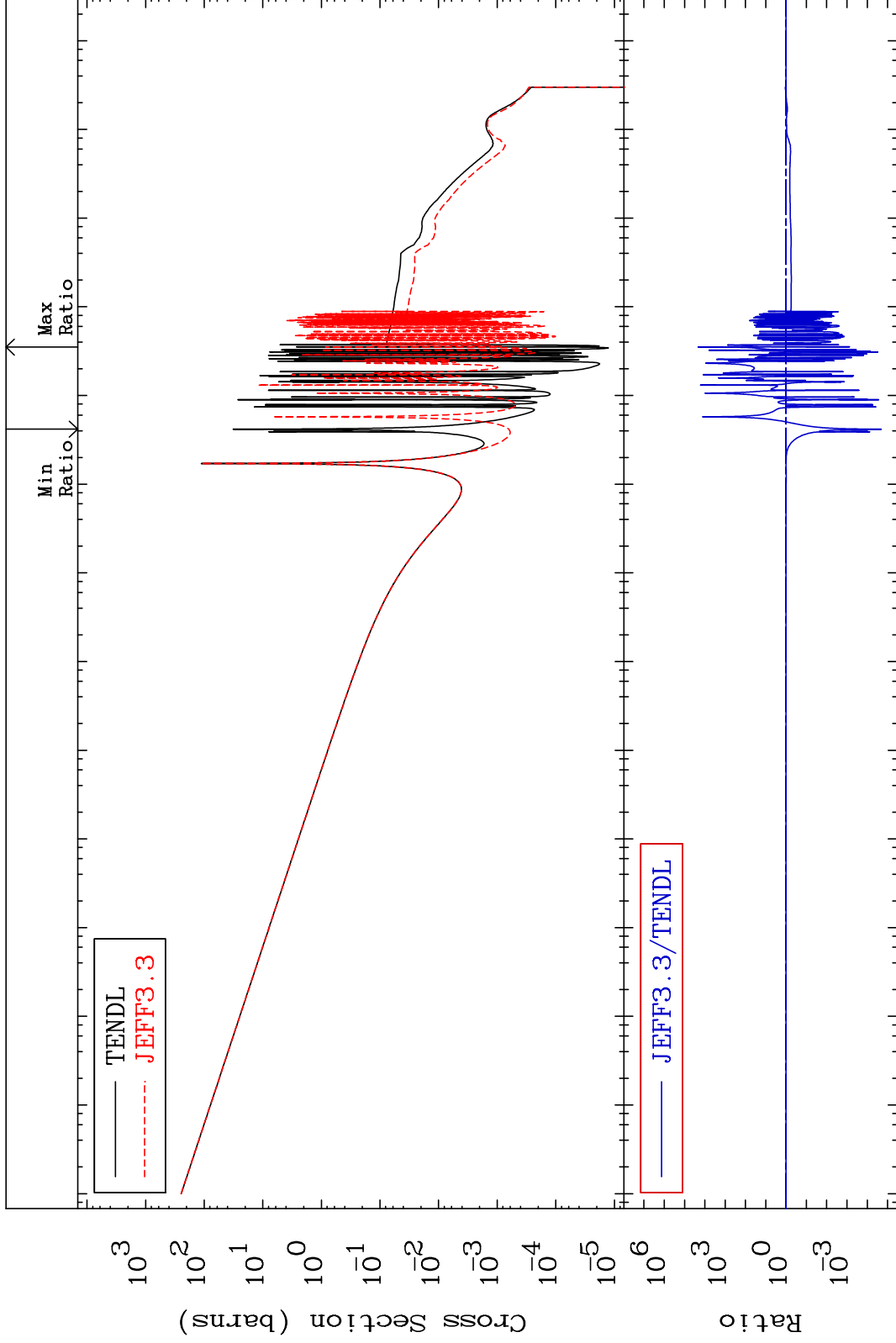


MAT 8043

(n, γ)

80-Hg-202
-100.0 To 9999. %

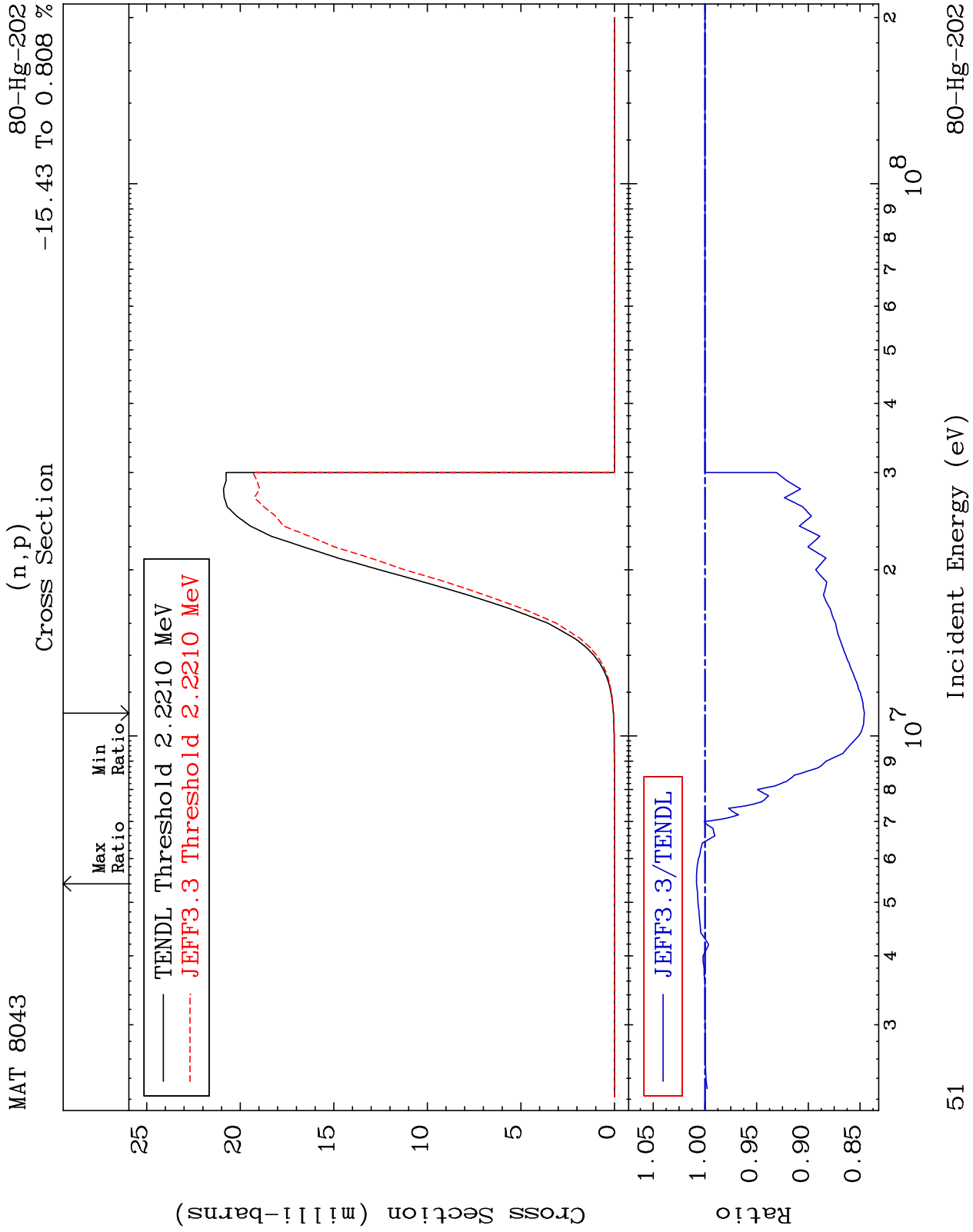
Cross Section



50

Incident Energy (eV)

80-Hg-202



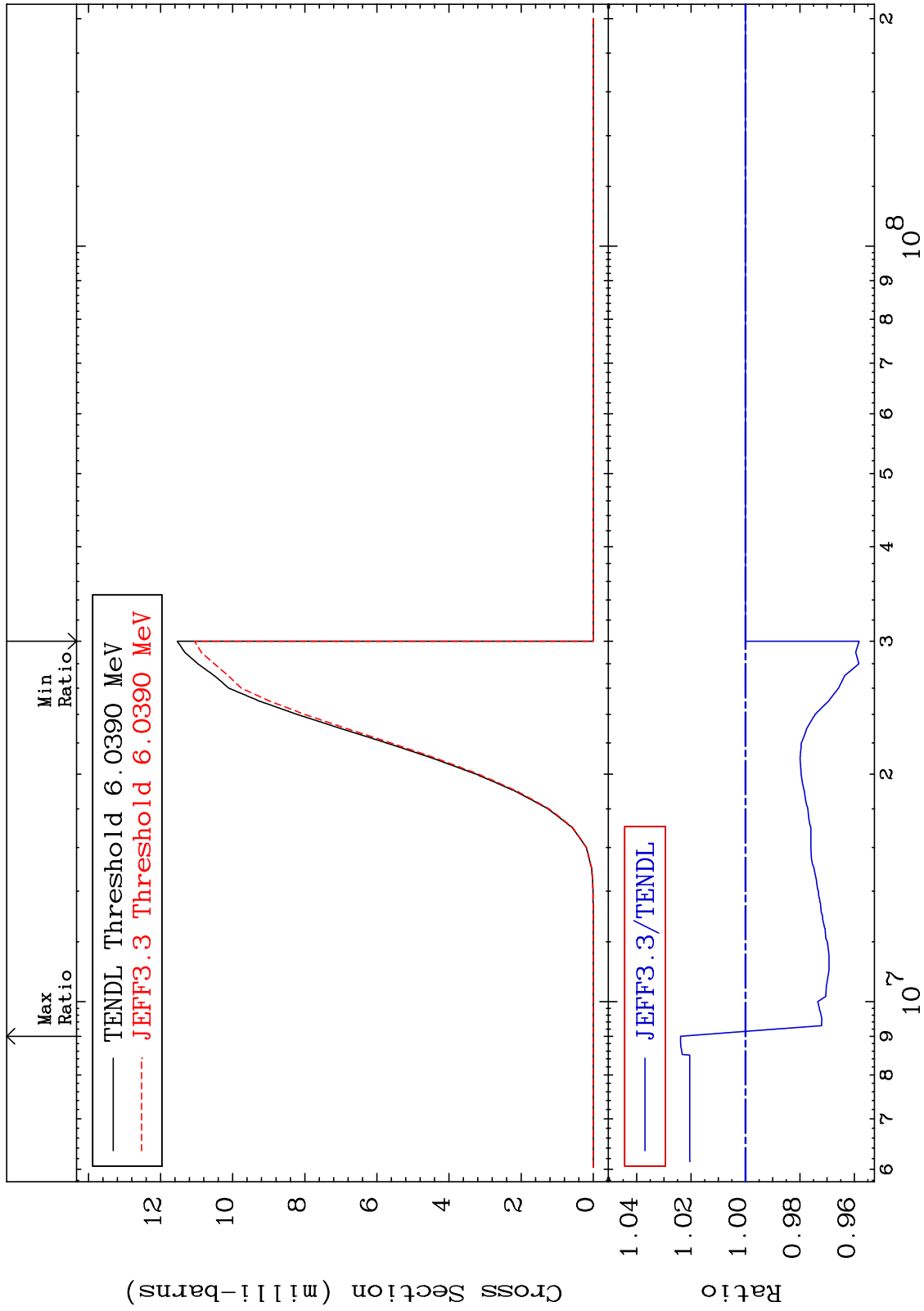
MAT 8043

(n, d)

80-Hg-202

Cross Section

-4.178 To 2.384 %



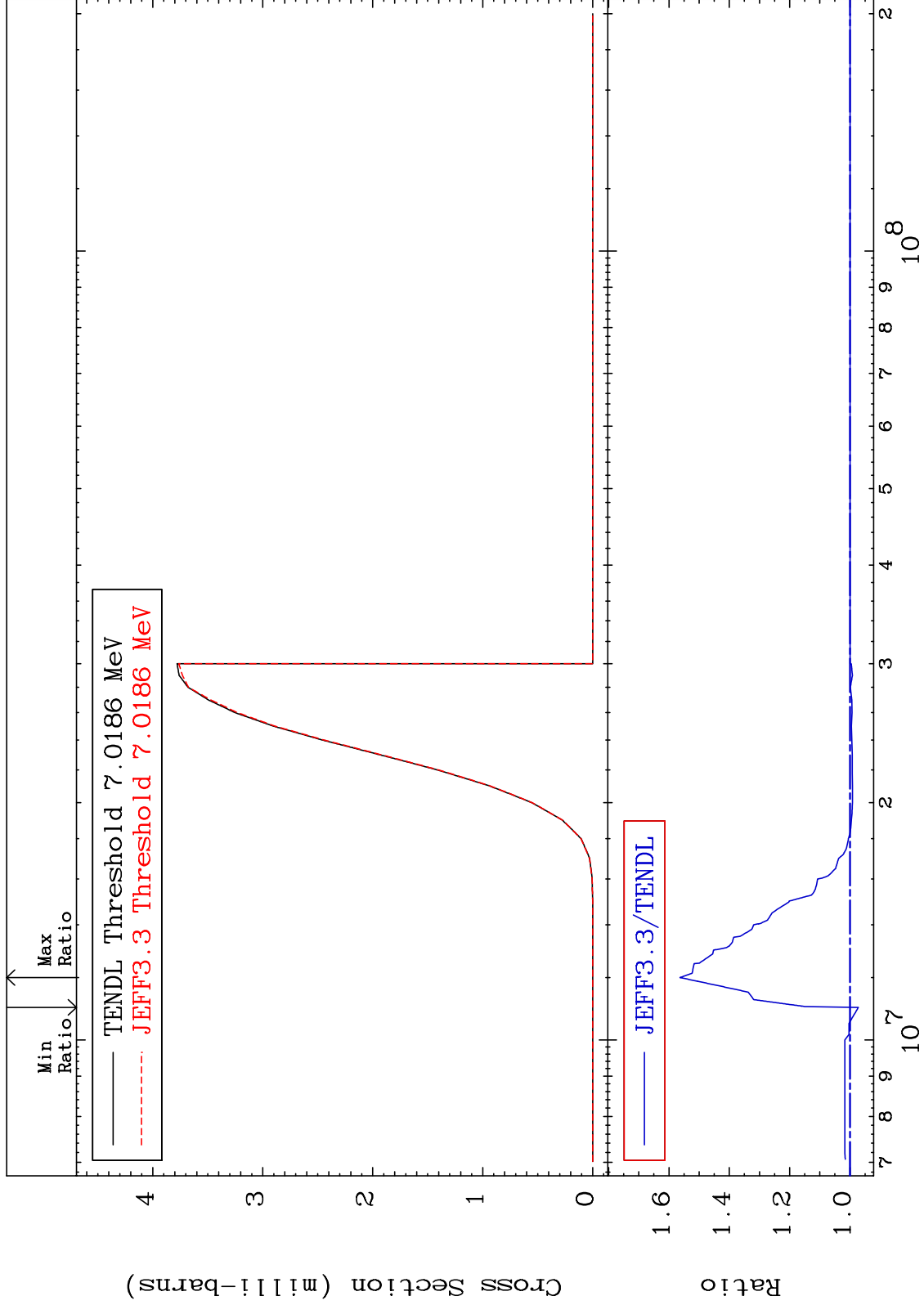
MAT 8043

(n, t)

80-Hg-202

Cross Section

-2.791 To 56.33 %



53

Incident Energy (eV)

80-Hg-202

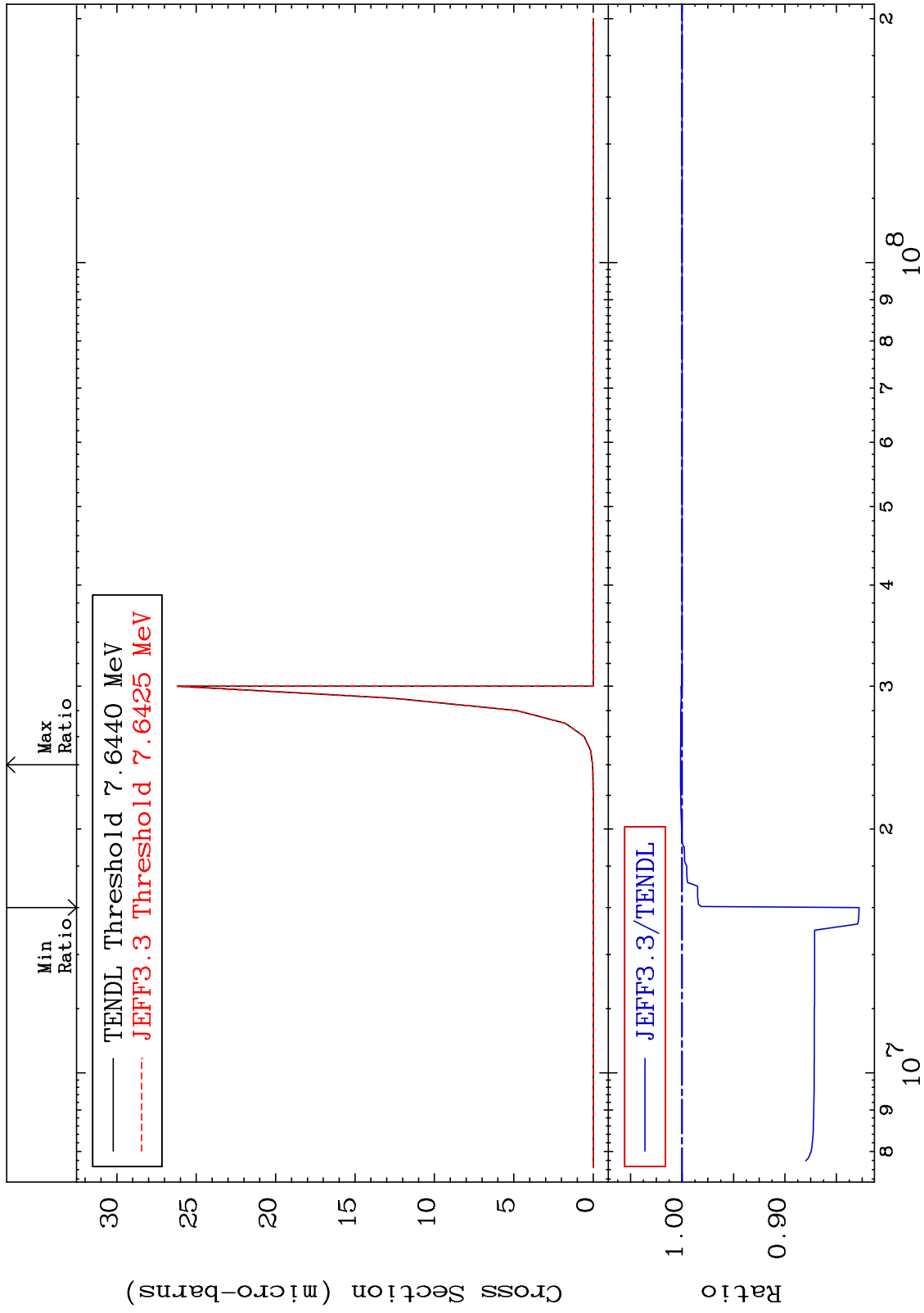
MAT 8043

(n, He-3)

80-Hg-202

Cross Section

-17.20 To 0.135 %



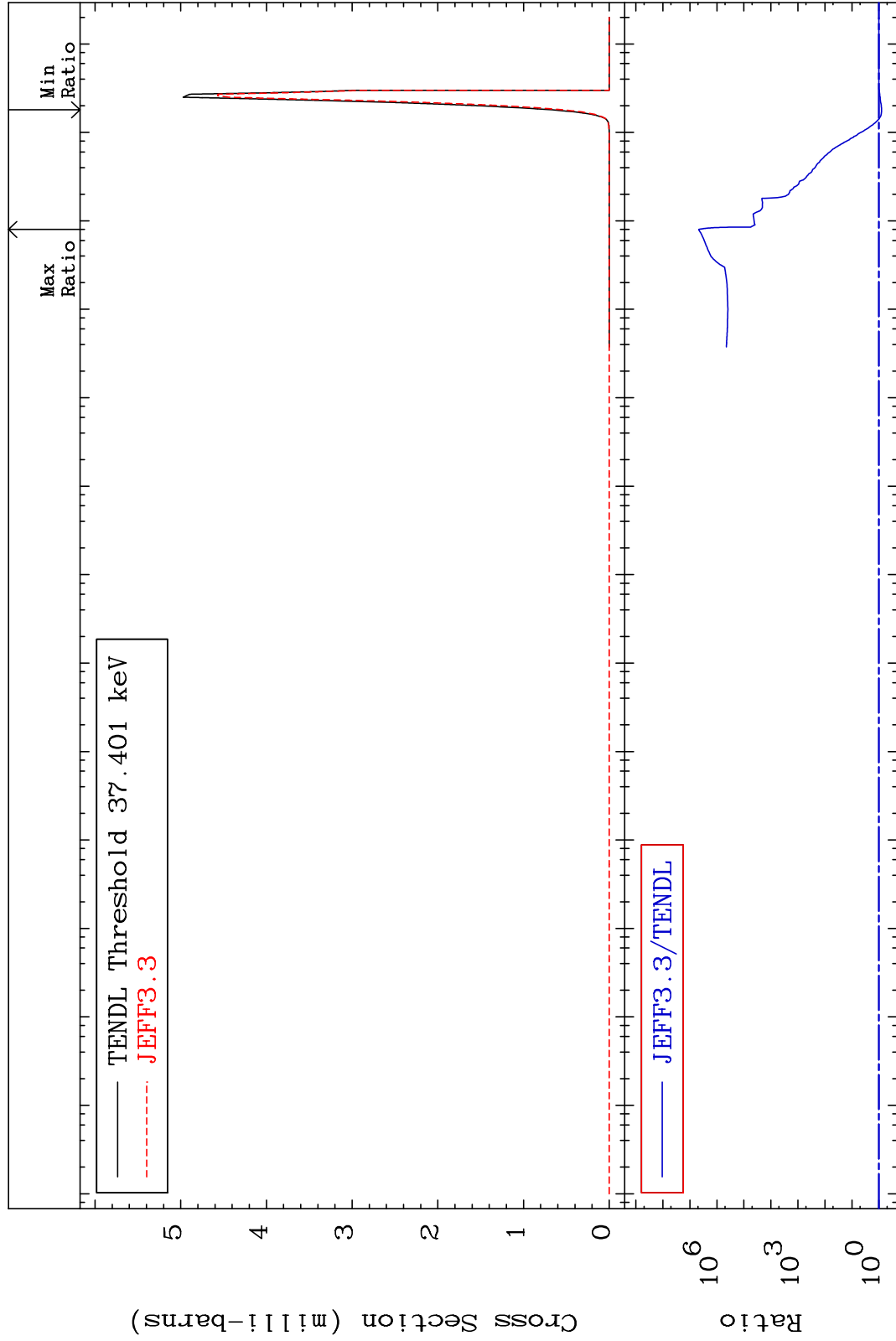
MAT 8043

(n, α)

80-Hg-202

Cross Section

-20.31 To 9999. %



55

Incident Energy (eV)

80-Hg-202

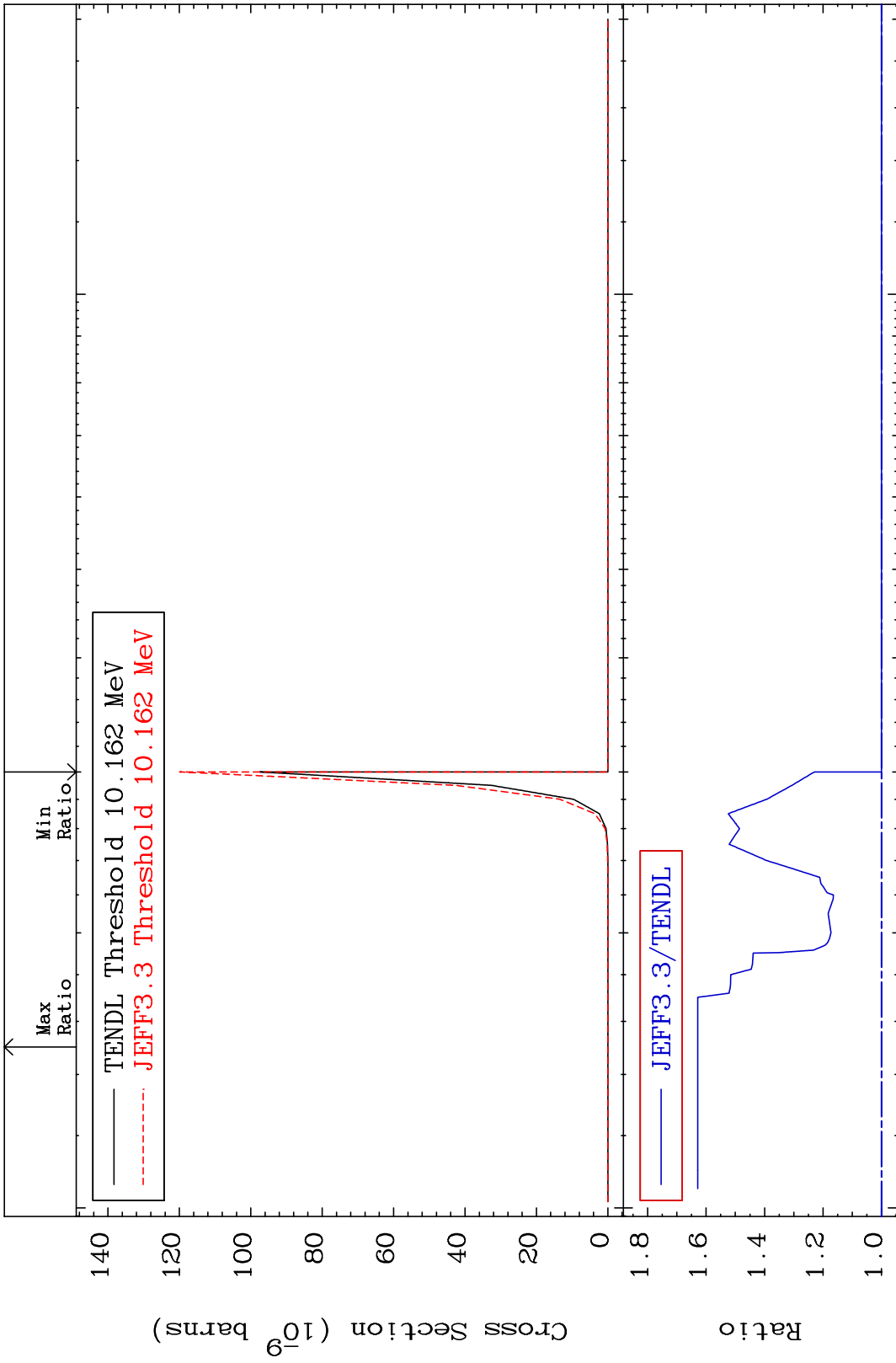
MAT 8043

(n,2p)

80-Hg-202

Cross Section

0.000 To 62.84 %



10^7

10^8

56

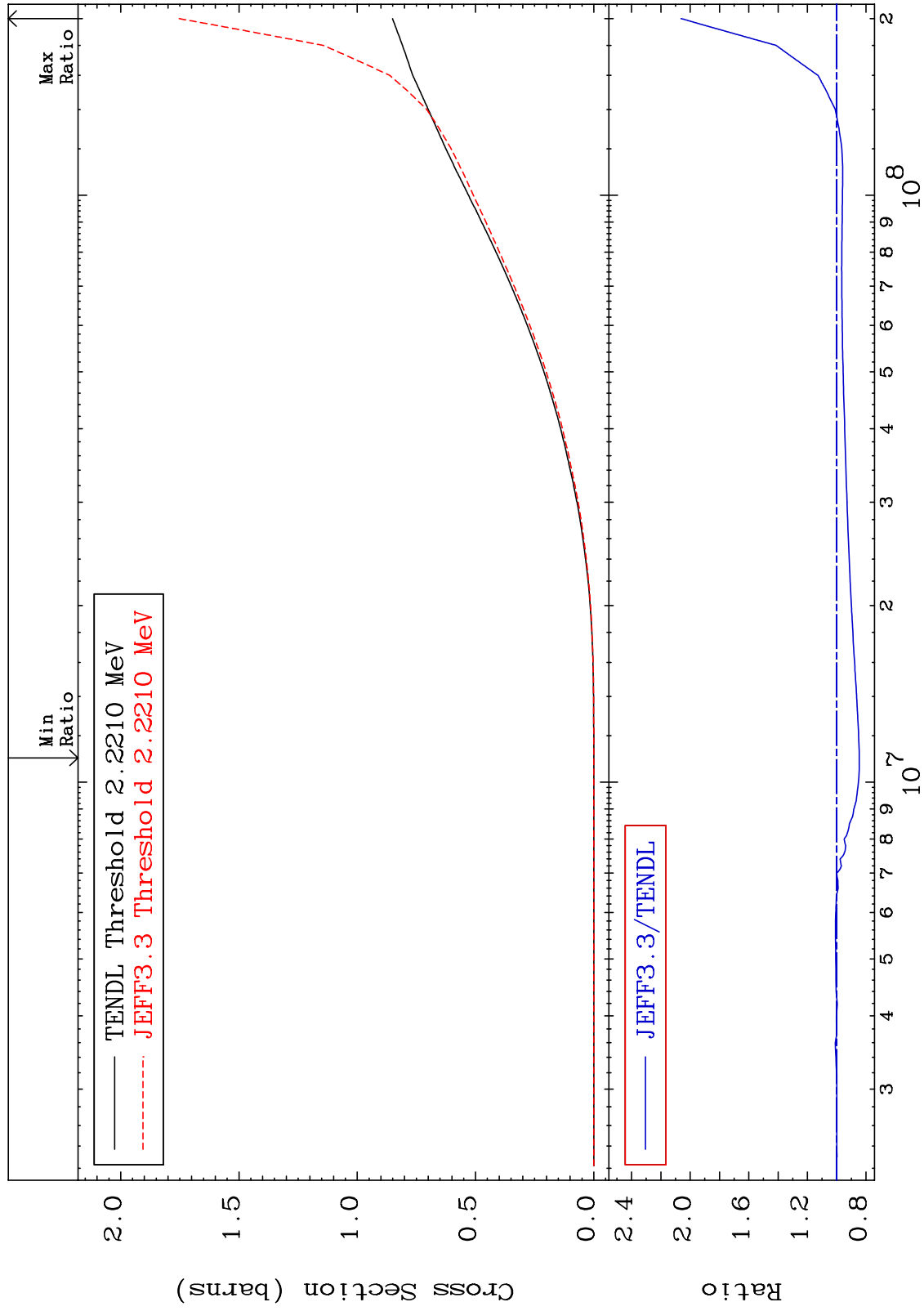
Incident Energy (eV)

80-Hg-202

MAT 8043

Hydrogen Production
Cross Section

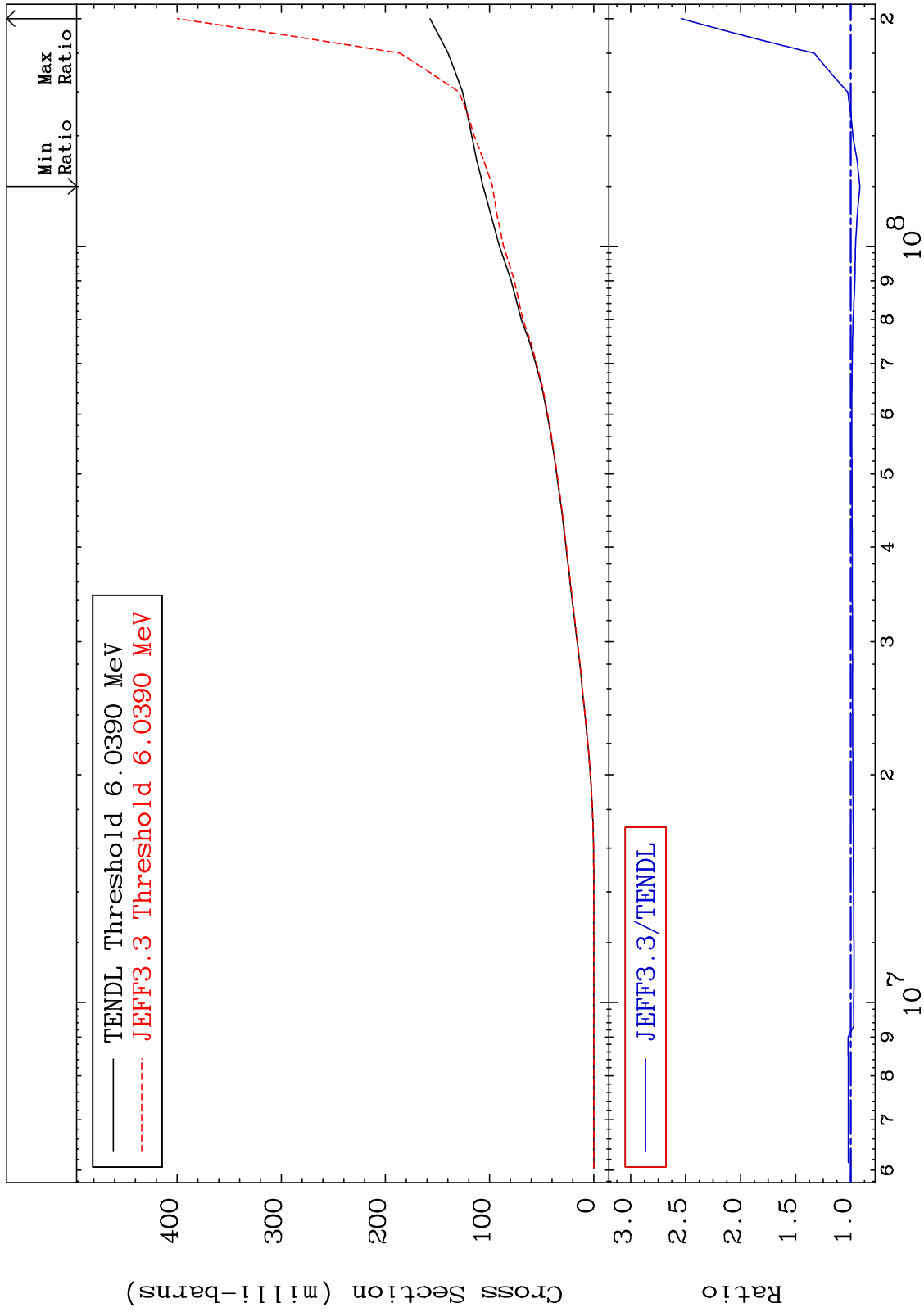
80-Hg-202
-15.43 To 106.2 %



MAT 8043

Deuterium Production
Cross Section

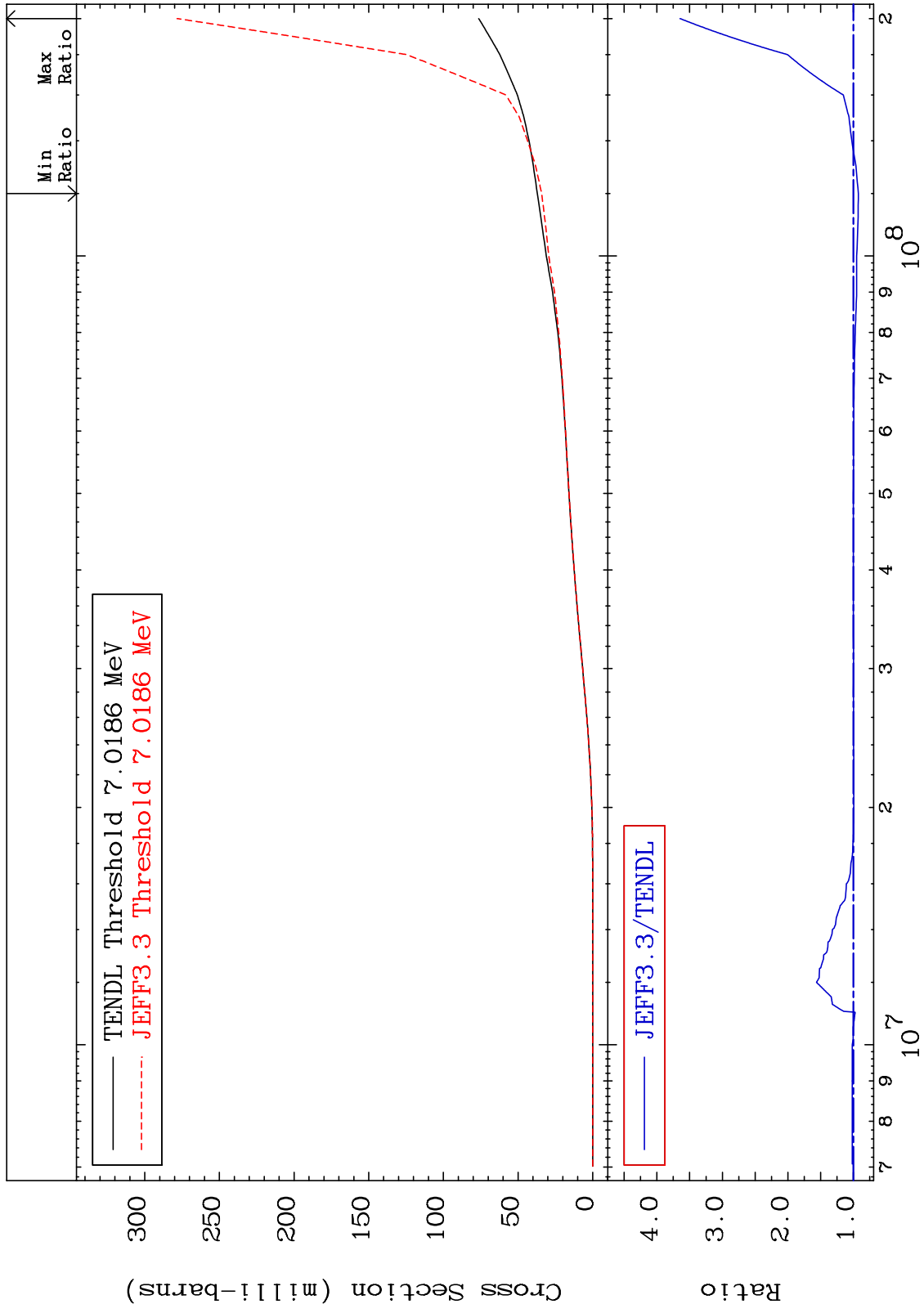
80-Hg-202
-8.464 To 154.0 %



MAT 8043

Tritium Production
Cross Section

80-Hg-202
-7.774 To 264.7 %



59

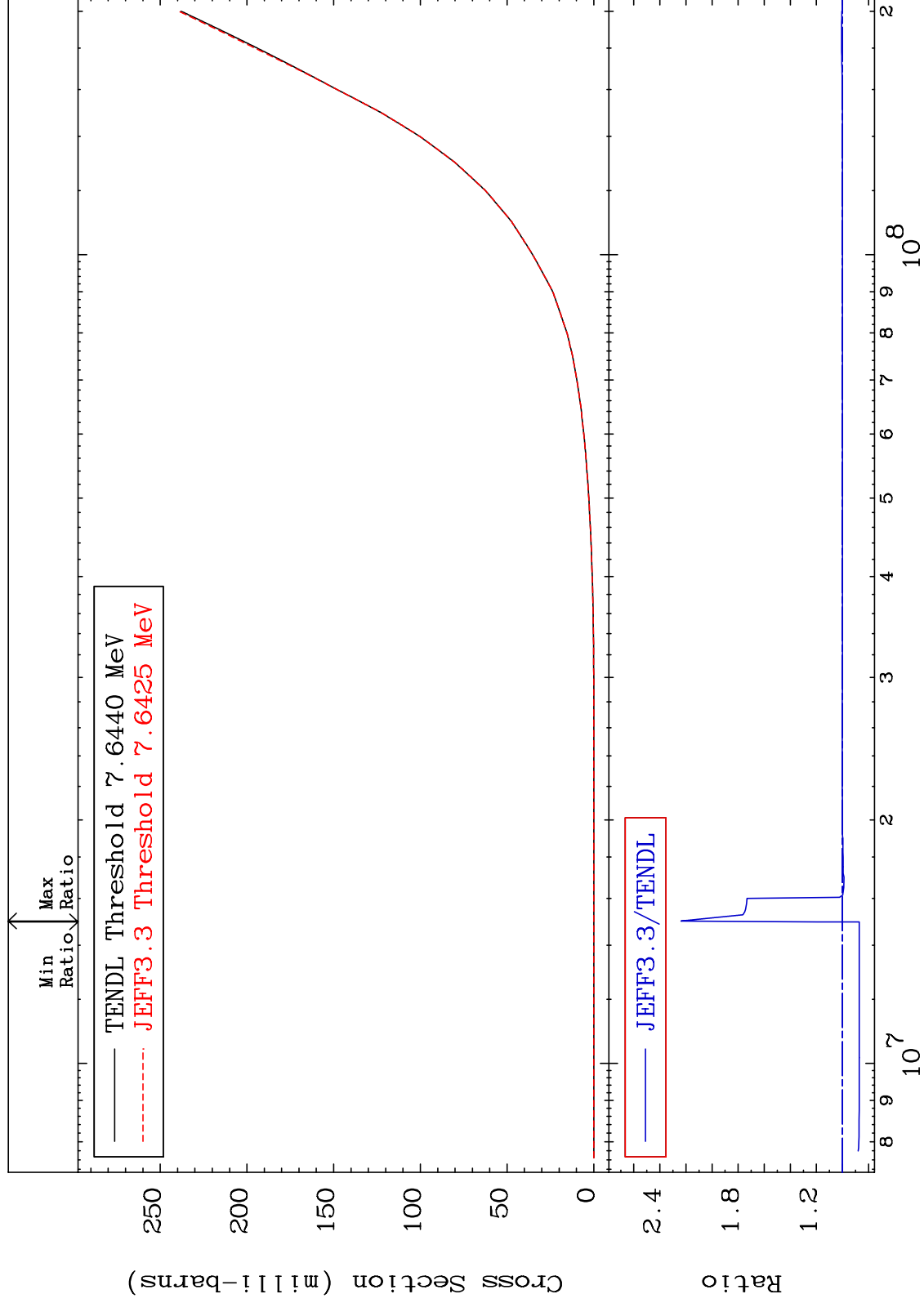
Incident Energy (eV)

80-Hg-202

MAT 8043

He-3 Production
Cross Section

80-Hg-202
-12.88 To 123.8 %



60

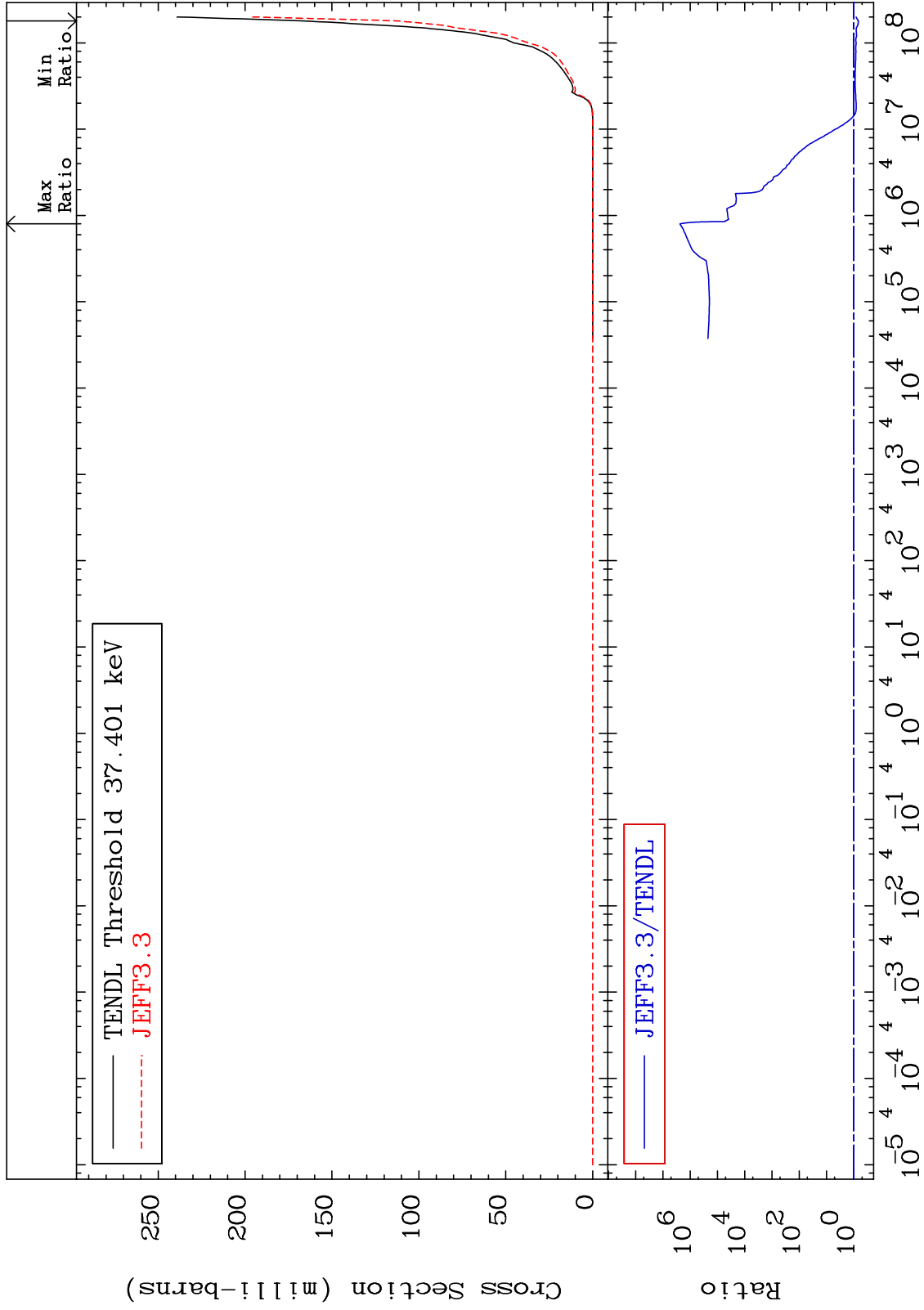
Incident Energy (eV)

80-Hg-202

MAT 8043

He-4 Production
Cross Section

80-Hg-202
-32.50 To 9999. %



61

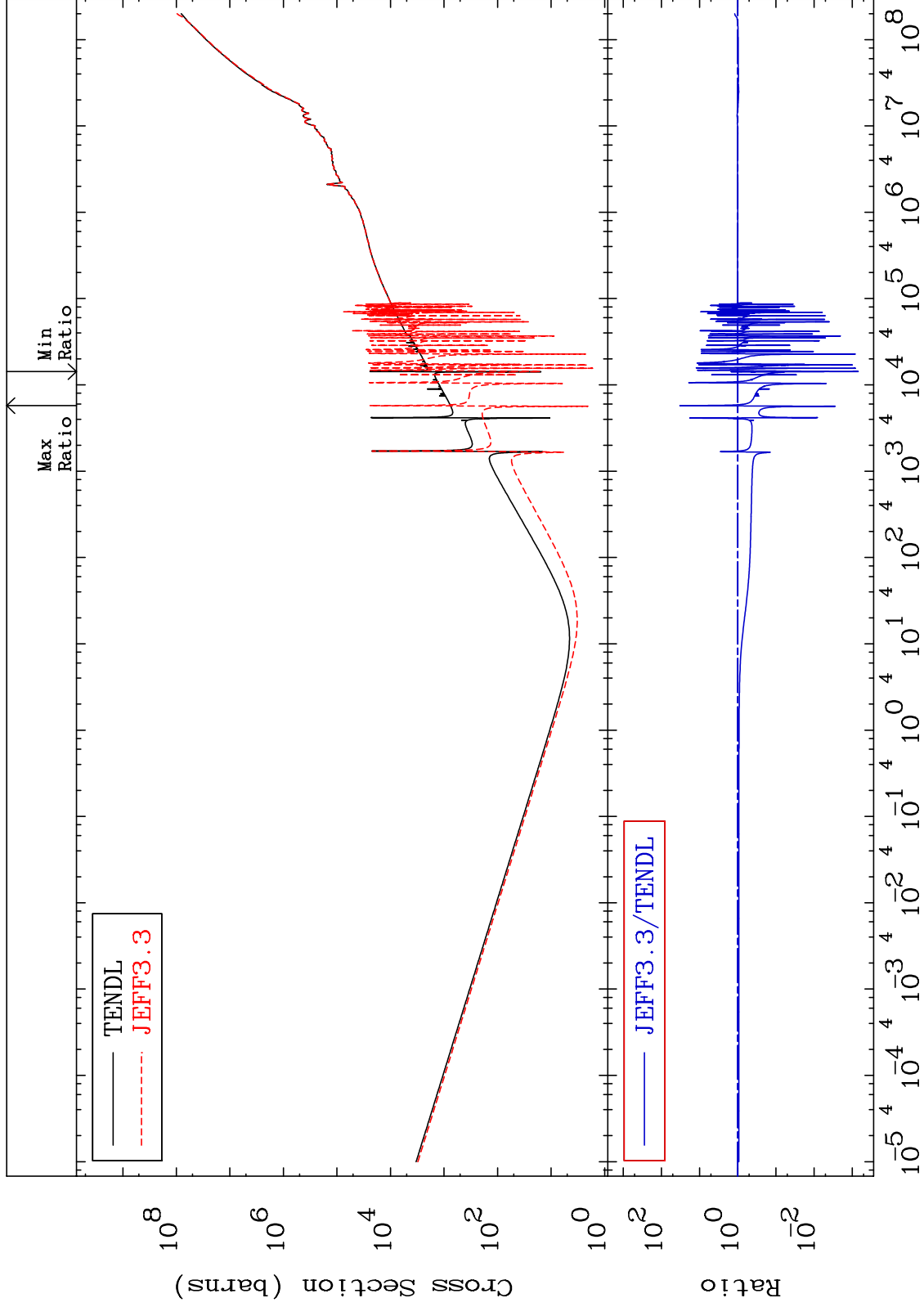
Incident Energy (eV)

80-Hg-202

MAT 8043

Kerma total (eV-barns)
Cross Section

80-Hg-202
-99.93 To 3141. %



62

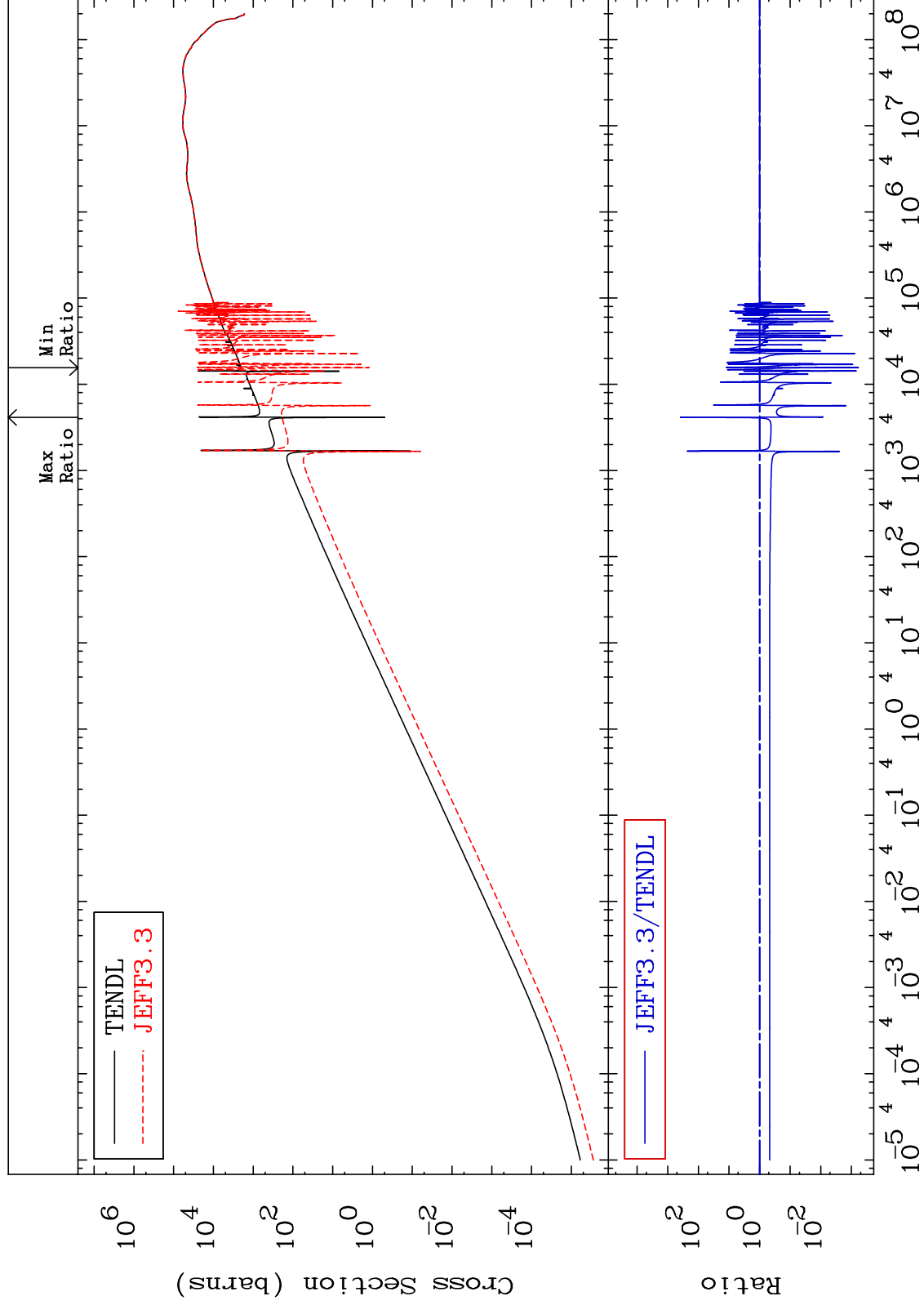
Incident Energy (eV)

80-Hg-202

MAT 8043

Kerma elastic
Cross Section

80-Hg-202
-99.94 To 9999. %



63

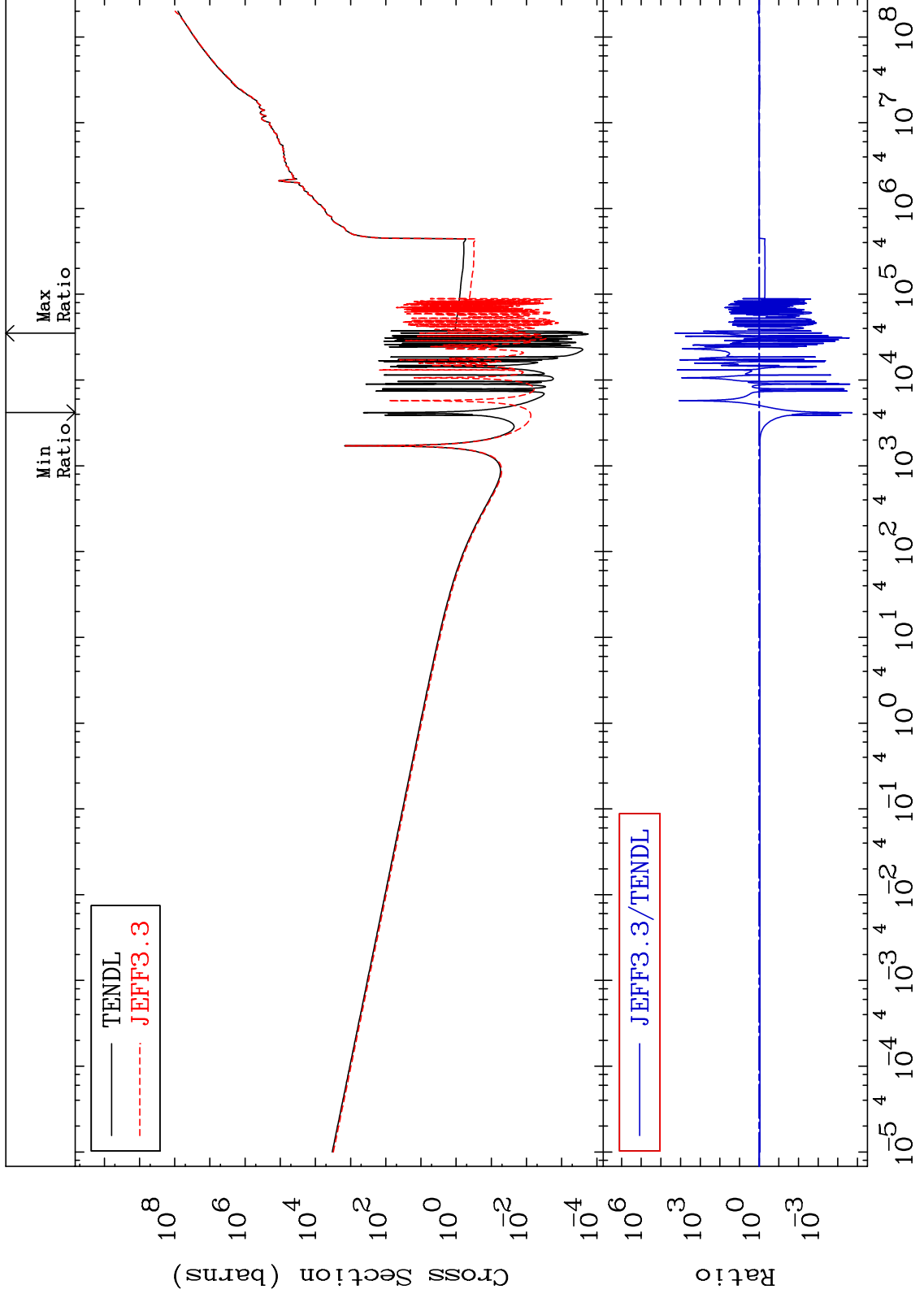
Incident Energy (eV)

80-Hg-202

MAT 8043

Kerma non-elastic (all but mt2)
Cross Section

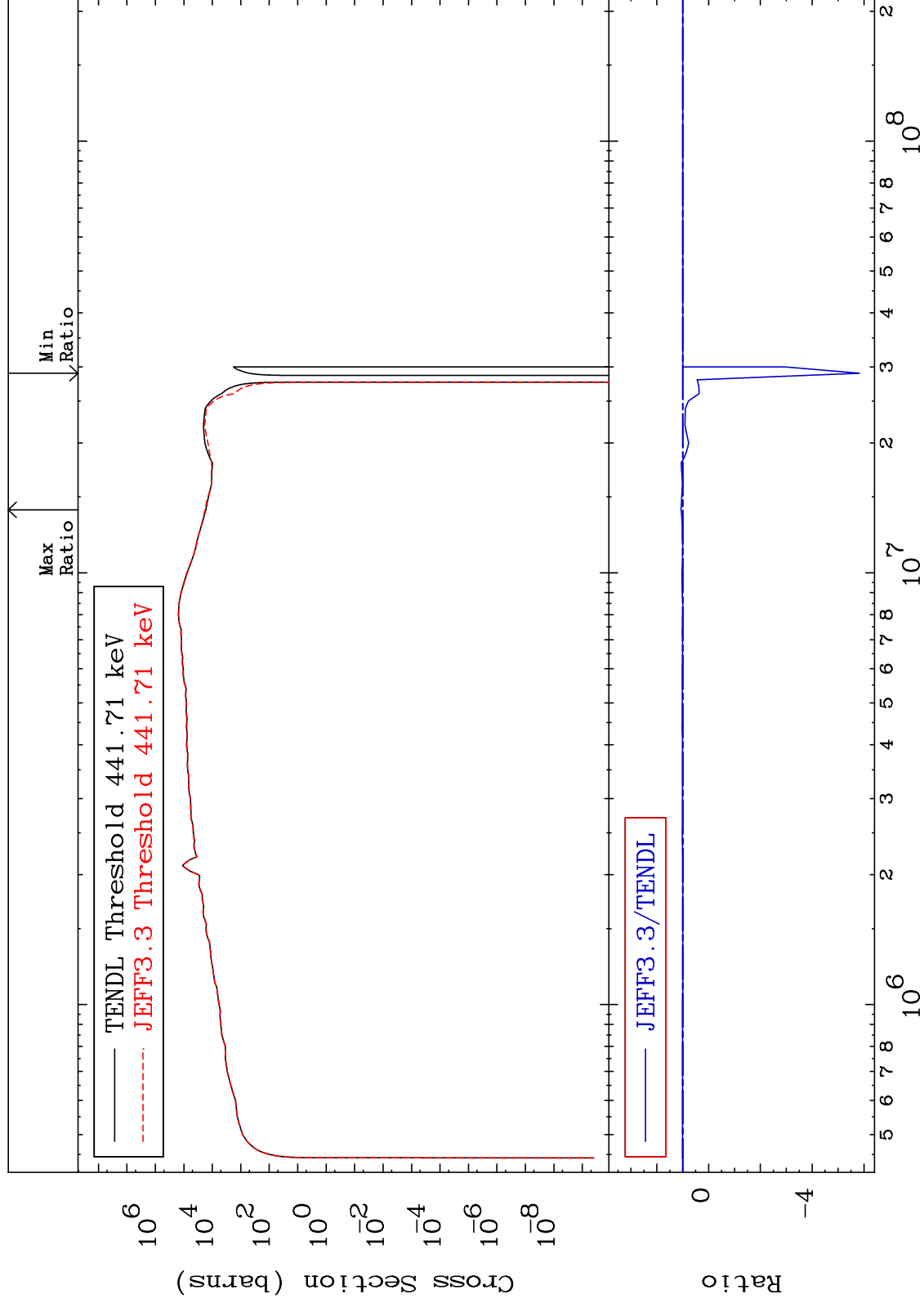
80-Hg-202
-100.0 To 9999. %



MAT 8043

Kerma inelastic (mt51-91)
Cross Section

80-Hg-202
-681.9 To 6.495 %



65

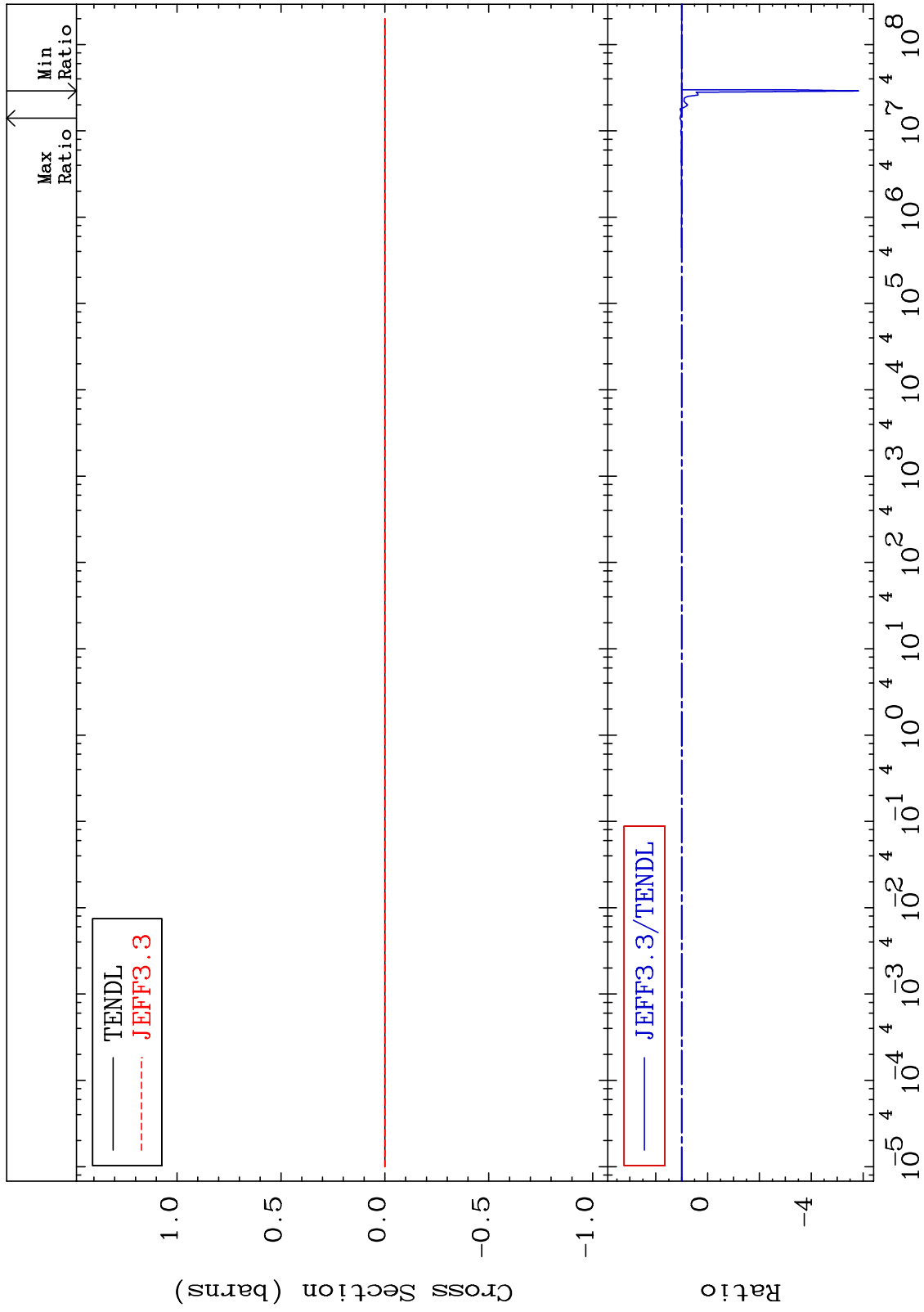
Incident Energy (eV)

80-Hg-202

MAT 8043

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

80-Hg-202
-681.9 To 6.495 %



66

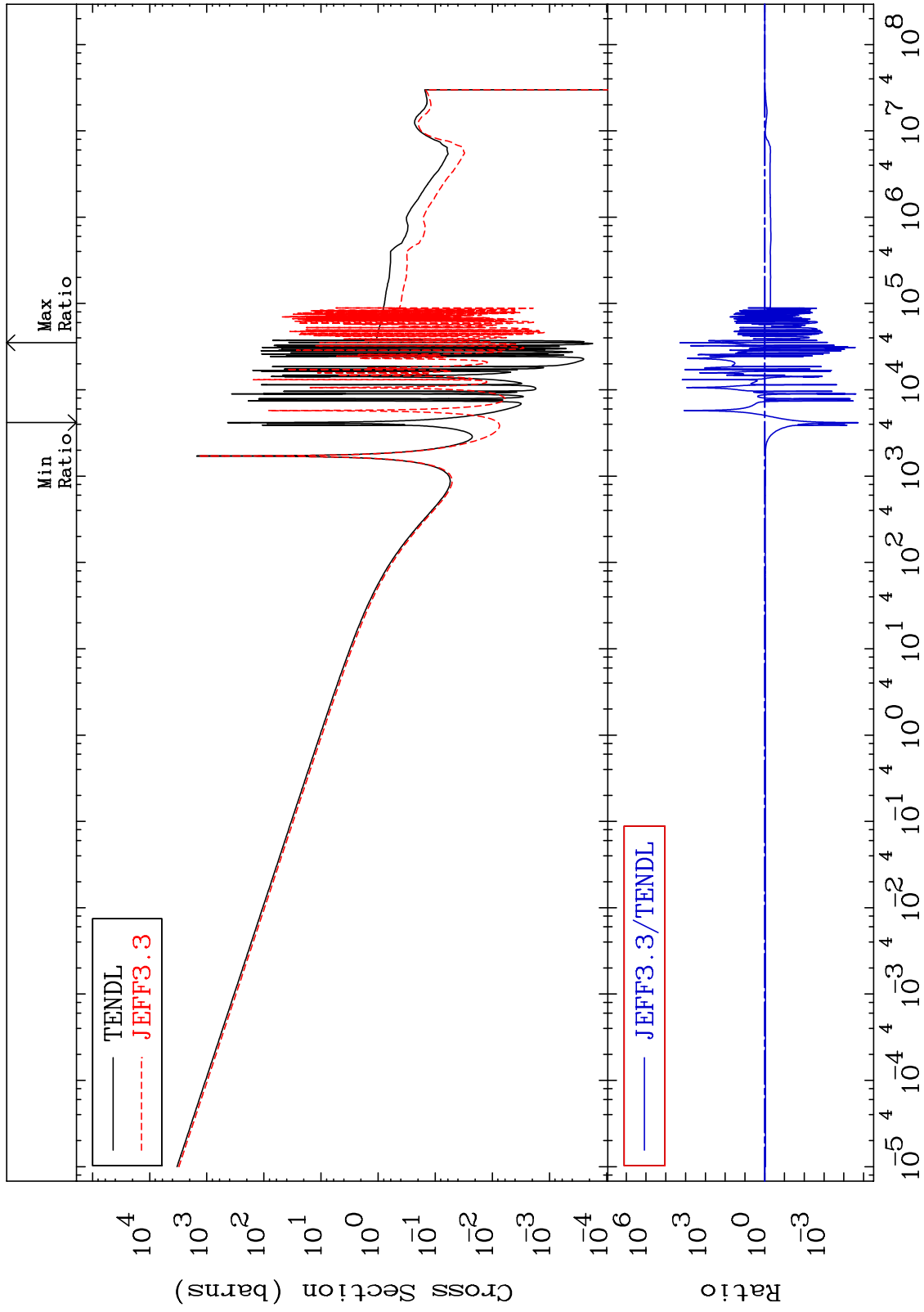
Incident Energy (eV)

80-Hg-202

MAT 8043

Kerma capture (mt102)
Cross Section

80-Hg-202
-100.0 To 9999. %



67

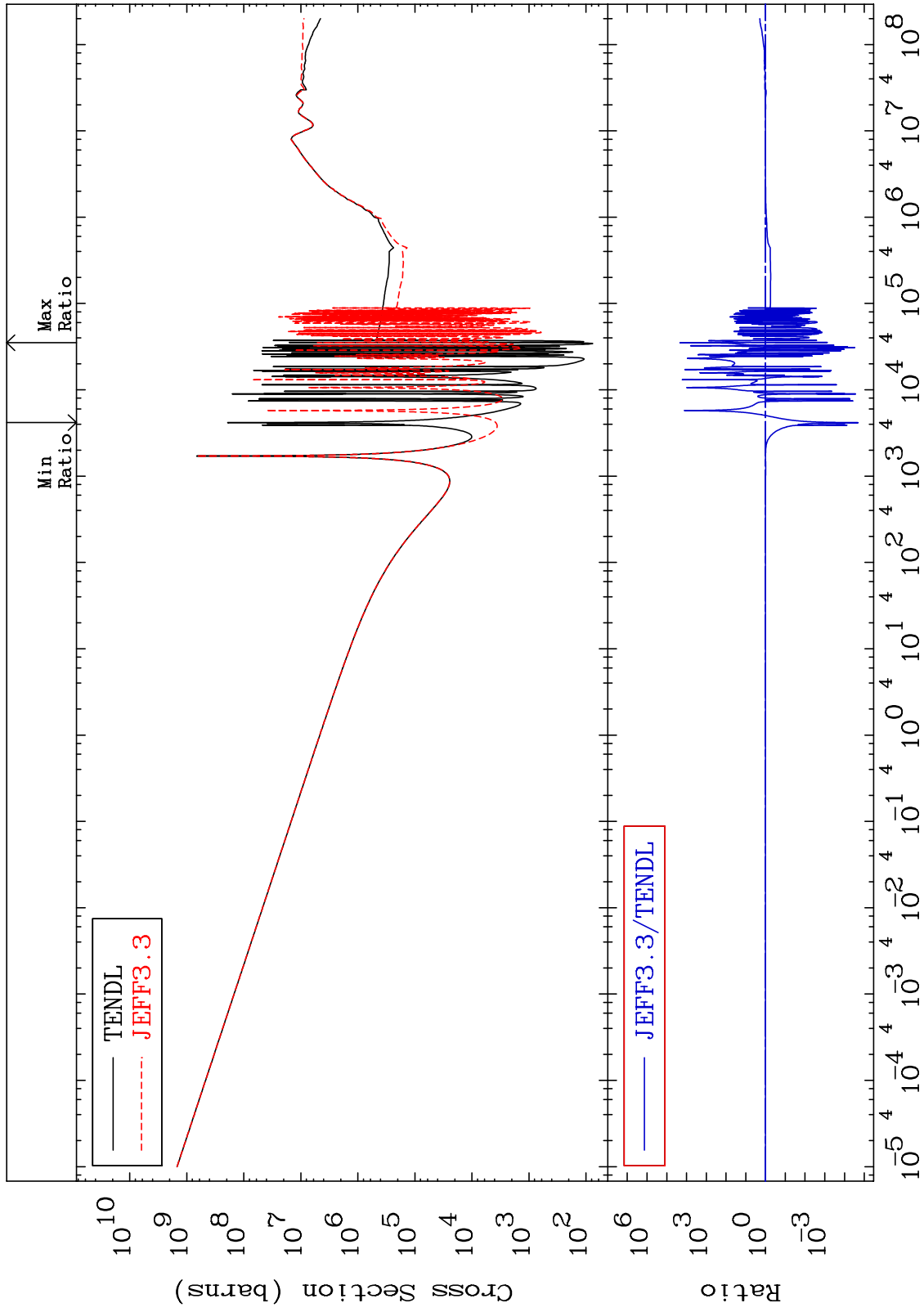
Incident Energy (eV)

80-Hg-202

MAT 8043

Total photon (eV-barns)
Cross Section

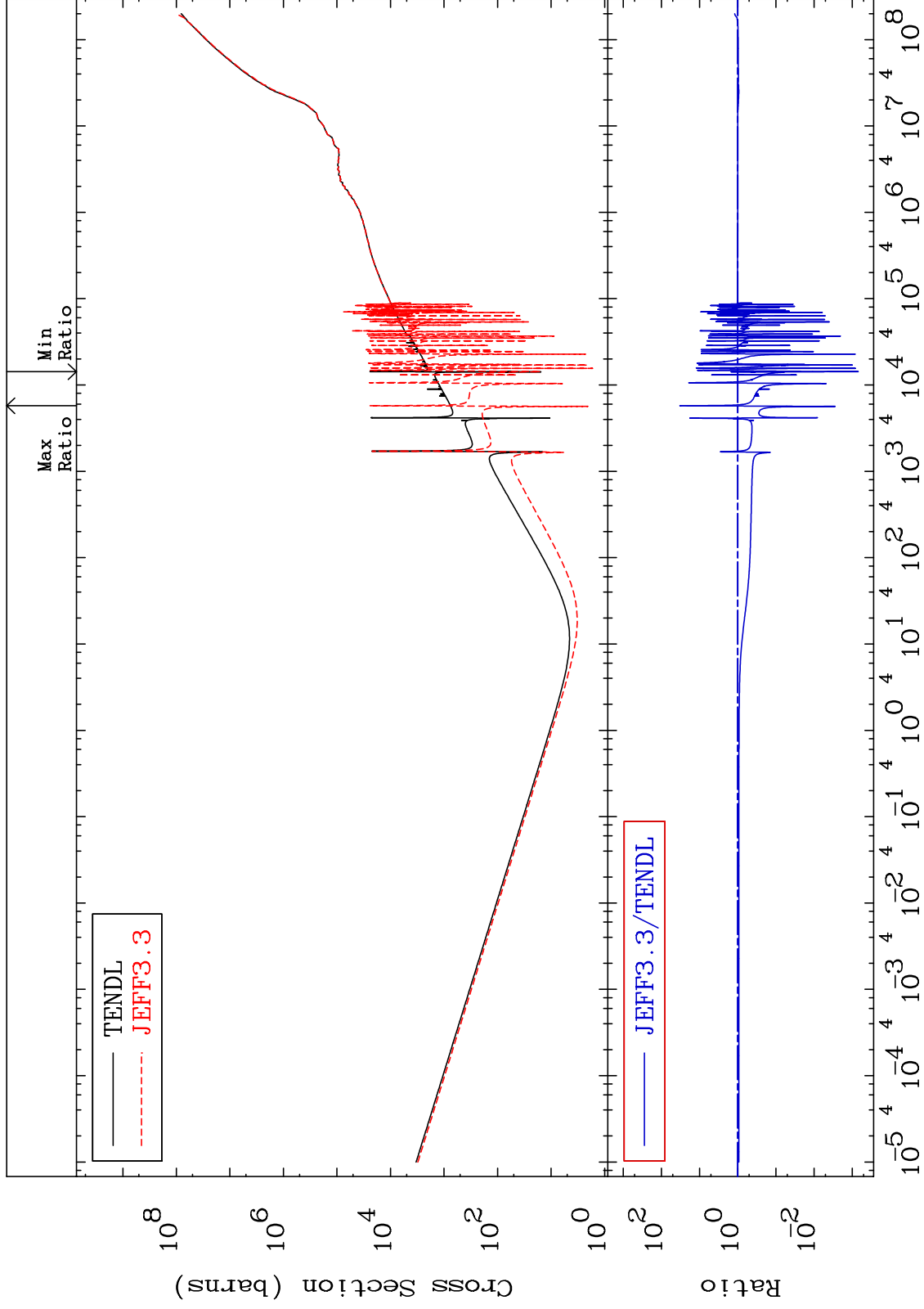
80-Hg-202
-100.0 To 9999. %



MAT 8043

Total kinematic kerma (high limit)
Cross Section

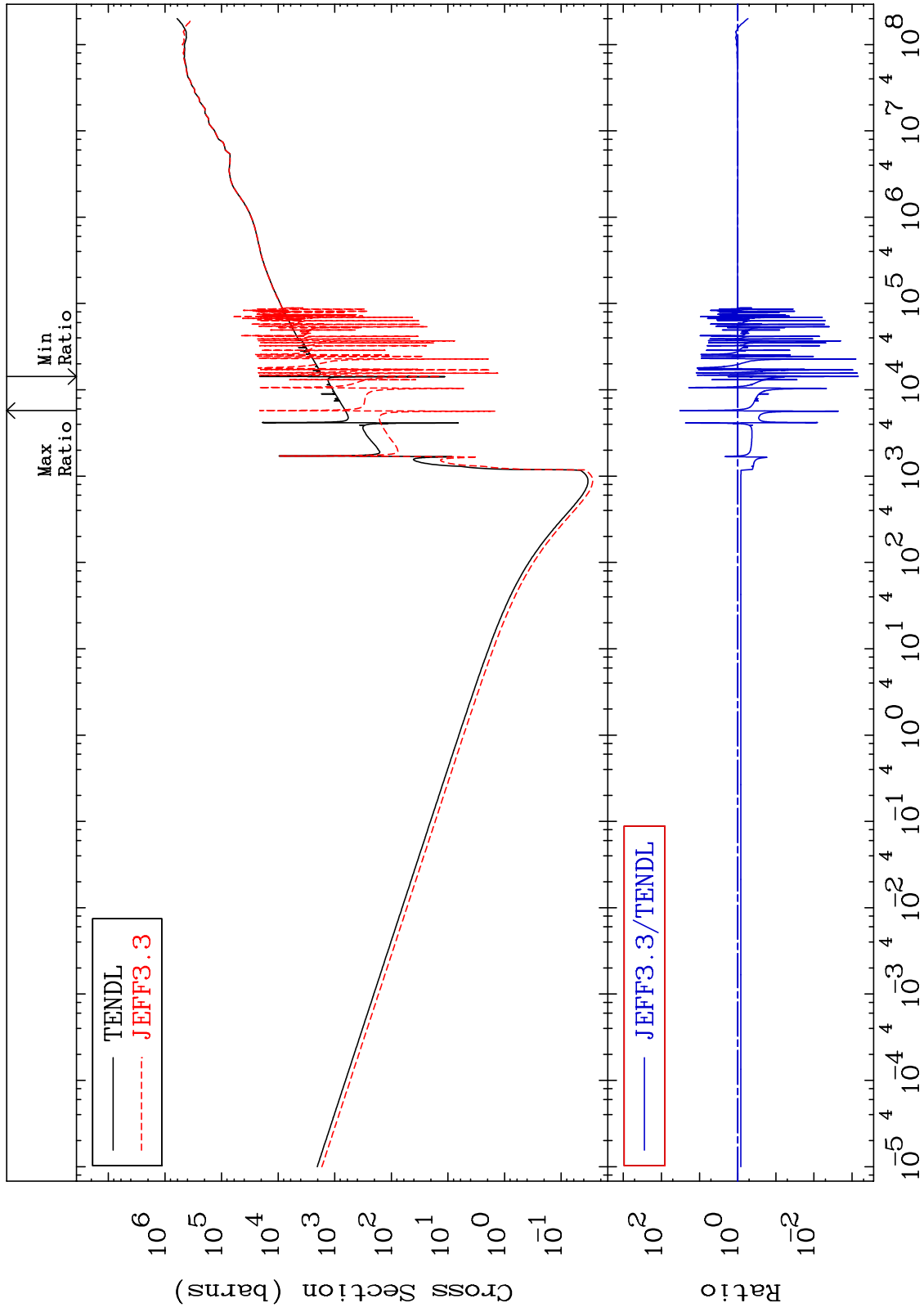
80-Hg-202
-99.93 To 3141. %



MAT 8043

Dpa total (eV-barns)
Cross Section

80-Hg-202
-99.93 To 3136. %



70

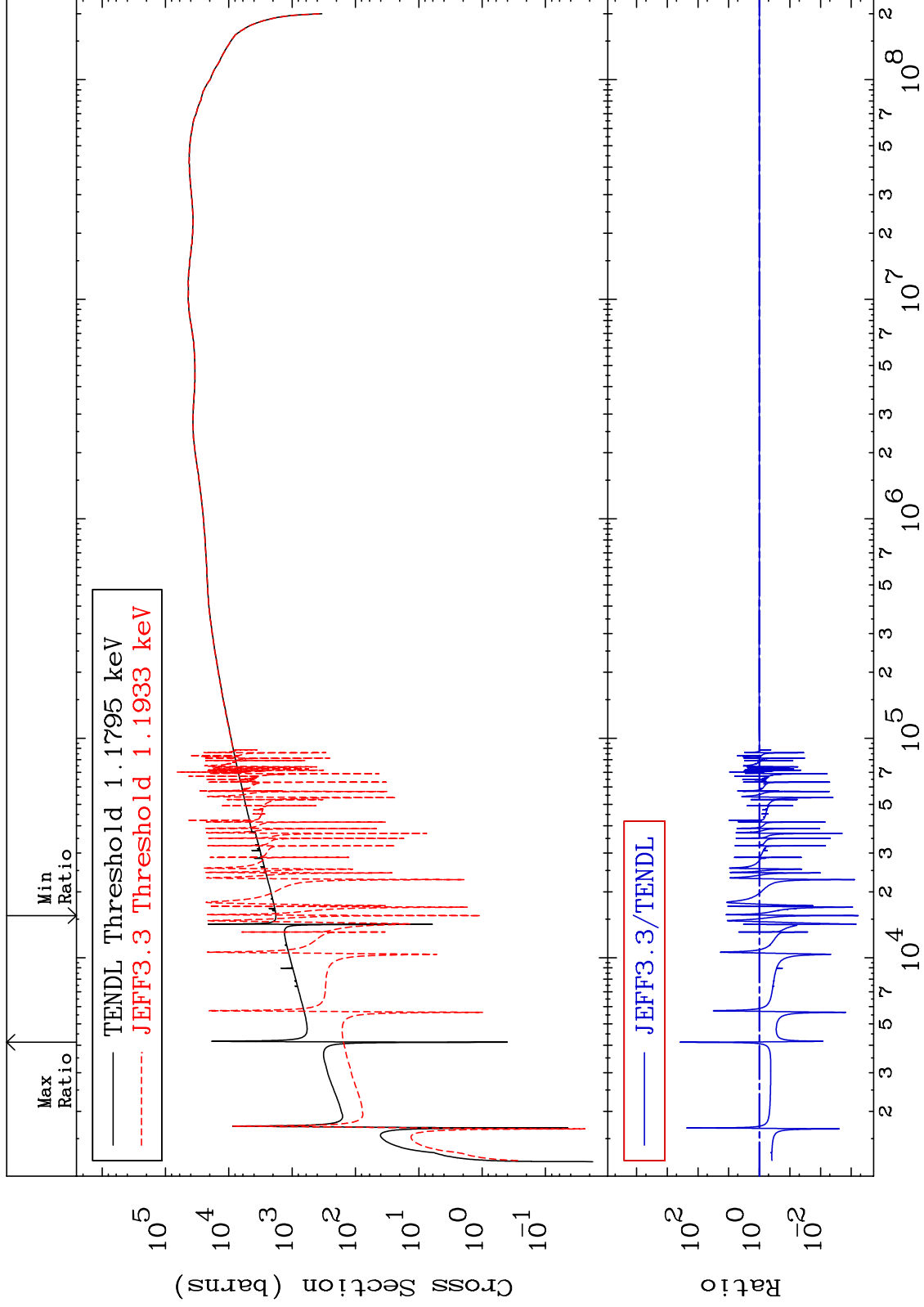
Incident Energy (eV)

80-Hg-202

MAT 8043

Dpa elastic (mt2)
Cross Section

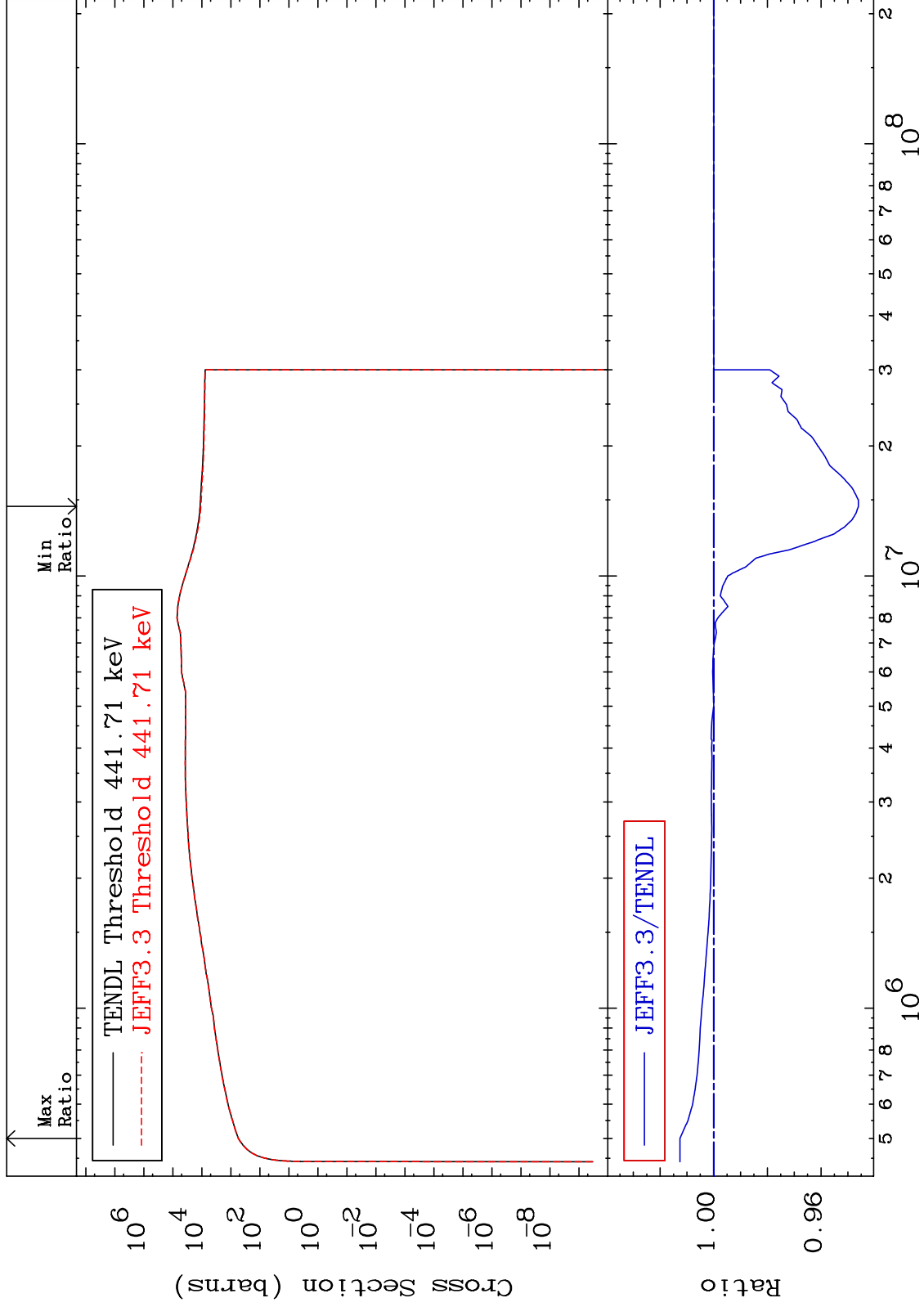
80-Hg-202
-99.94 To 9999. %



MAT 8043

Dpa inelastic (mt51-91)
Cross Section

80-Hg-202
-5.395 To 1.258 %



72

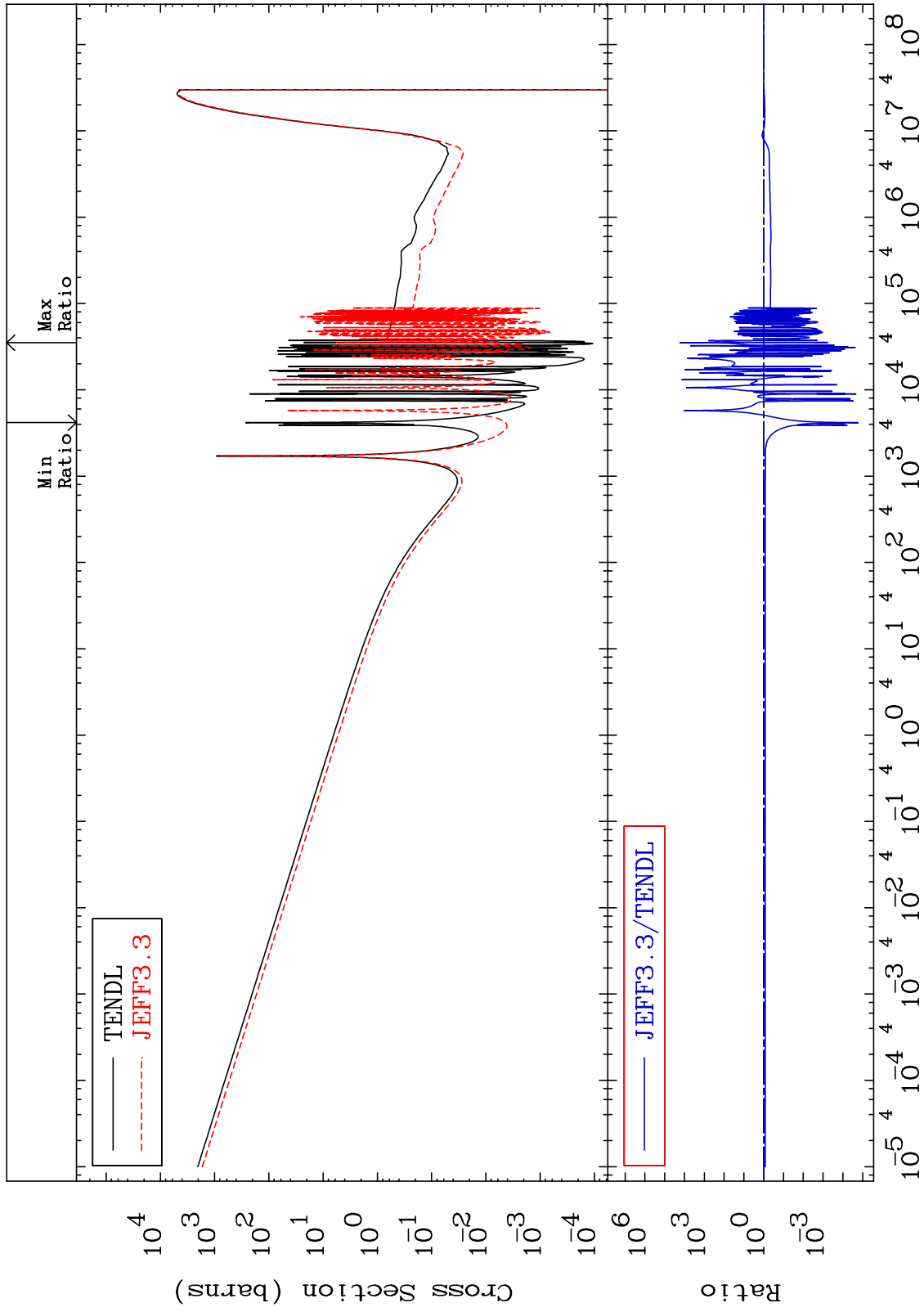
Incident Energy (eV)

80-Hg-202

MAT 8043

Dpa disappearance (mt102 -120)
Cross Section

80-Hg-202
-100.0 To 9999. %



73

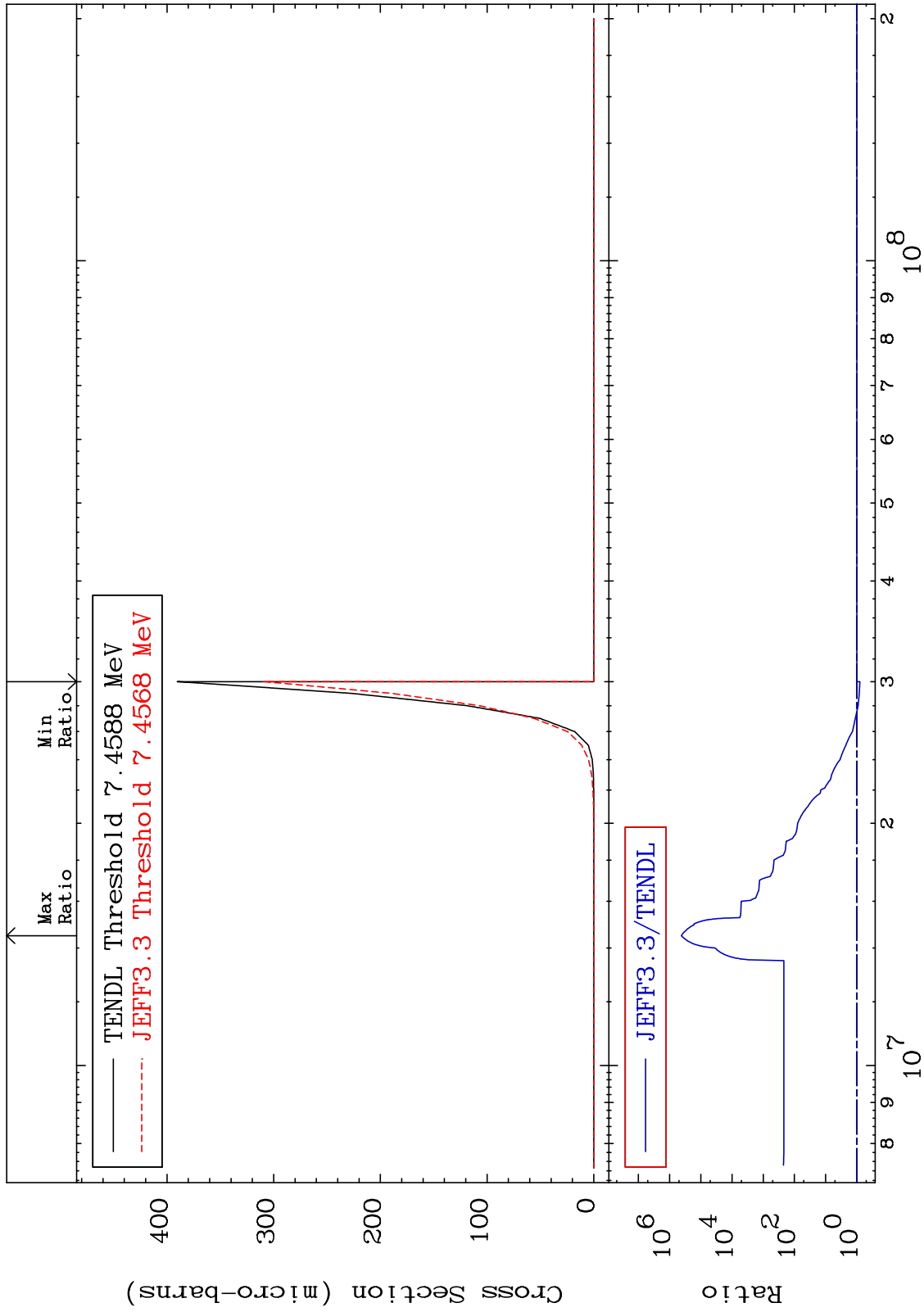
Incident Energy (eV)

80-Hg-202

MAT 8043

(n,2n) α :78-Pt-197g
Radionuclide Production Cross Section -20.70 To 9999. %

80-Hg-202



74

Incident Energy (eV)

80-Hg-202

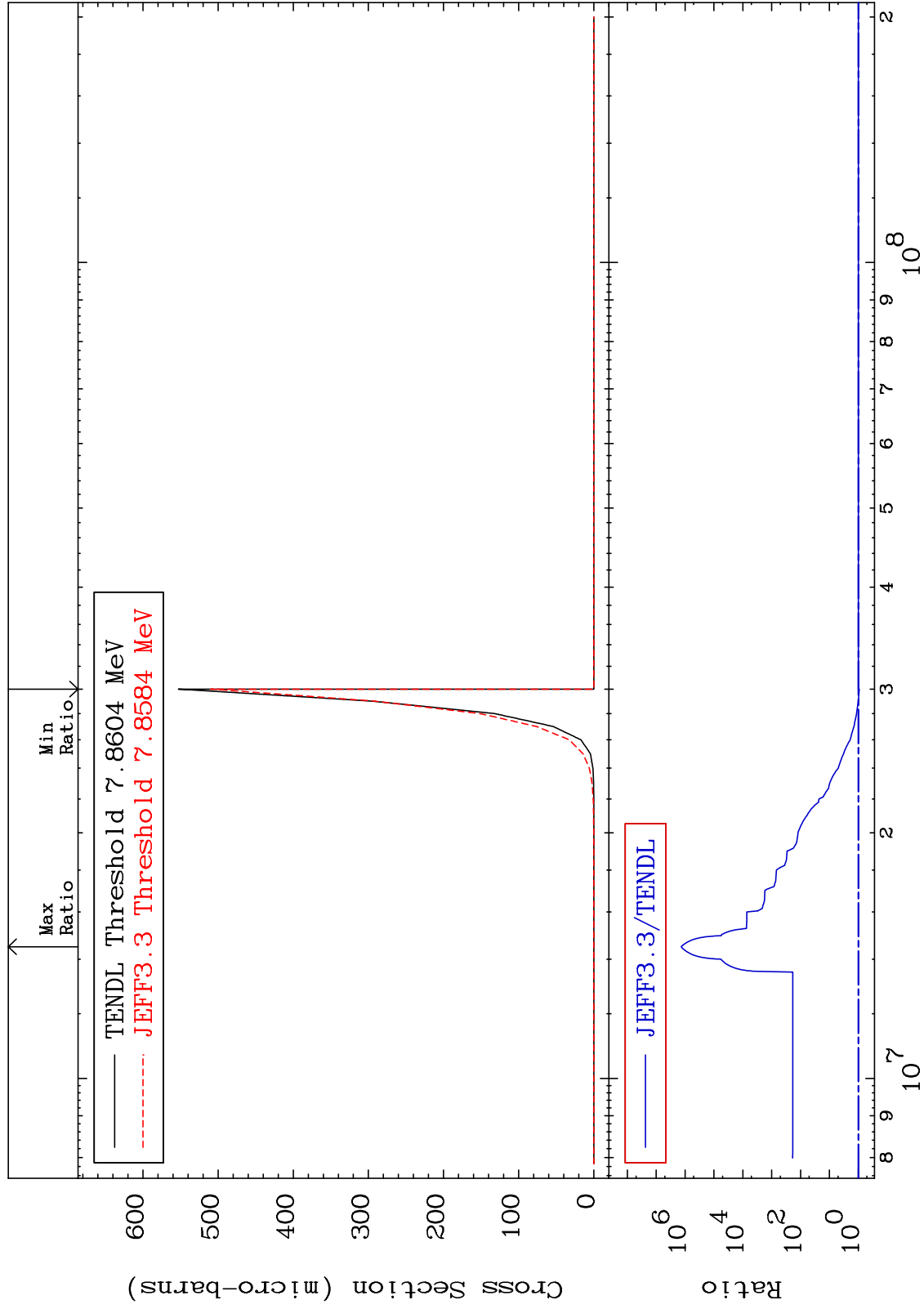
MAT 8043

(n,2n) α :78-Pt-197m9

80-Hg-202

Radionuclide Production Cross Section

-7.824 To 9999. %



75

Incident Energy (eV)

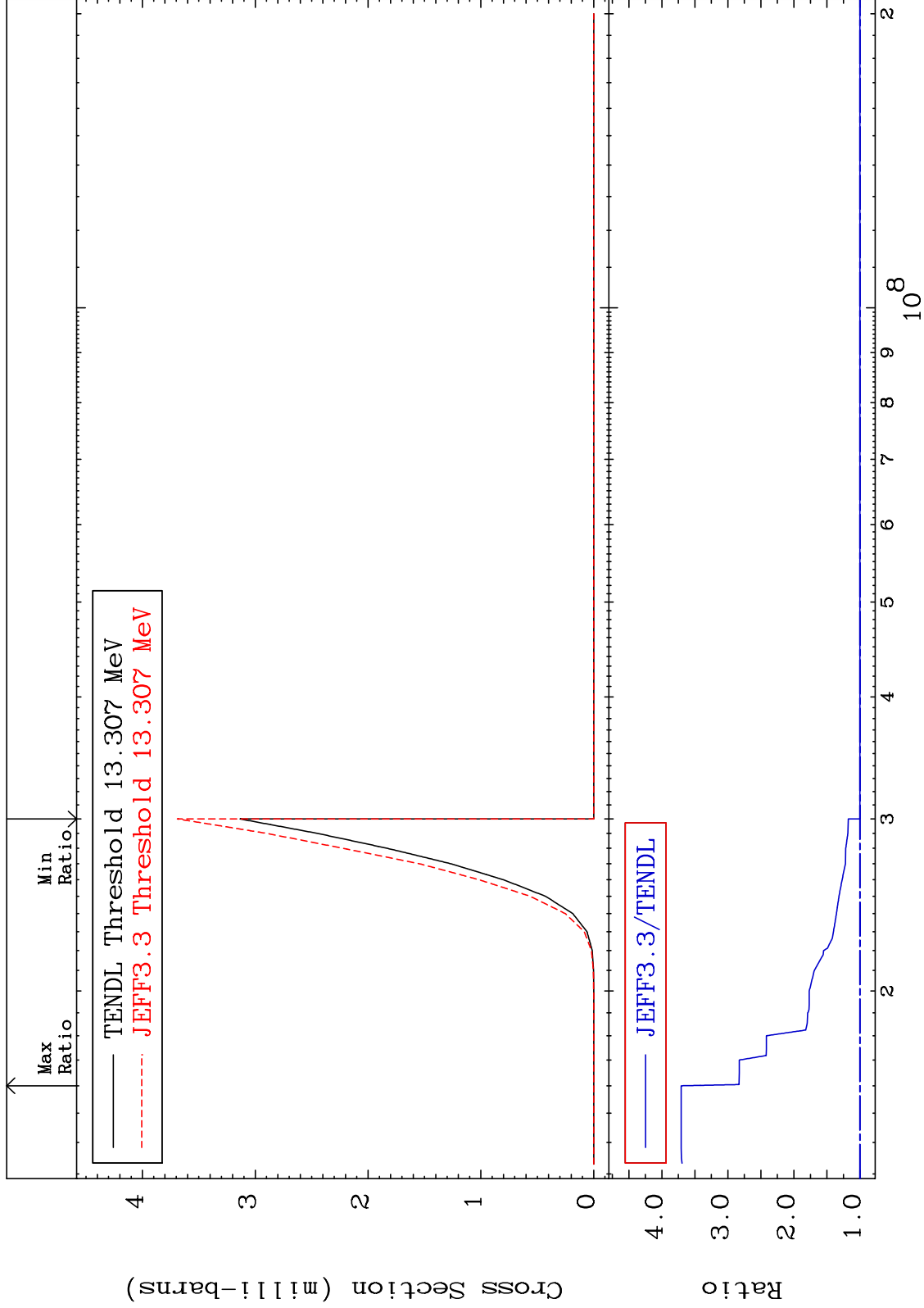
80-Hg-202

MAT 8043

(n, n') d:79-Au-200g

80-Hg-202

Radionuclide Production Cross Section 0.000 To 270.7 %

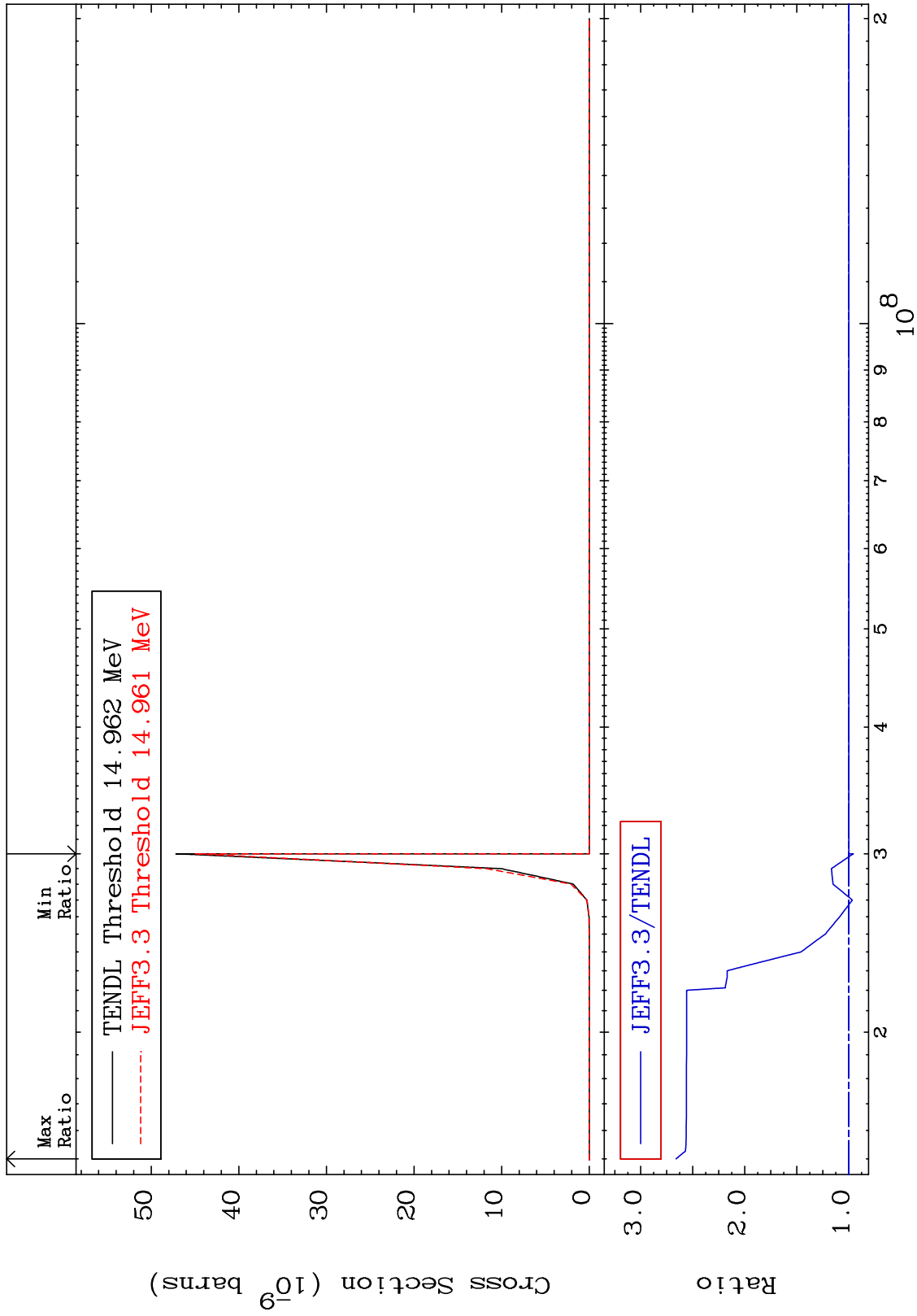


MAT 8043

(n, n') He-3:78-Pt-199g

80-Hg-202

Radionuclide Production Cross Section -4.523 To 166.0 %



77

Incident Energy (eV)

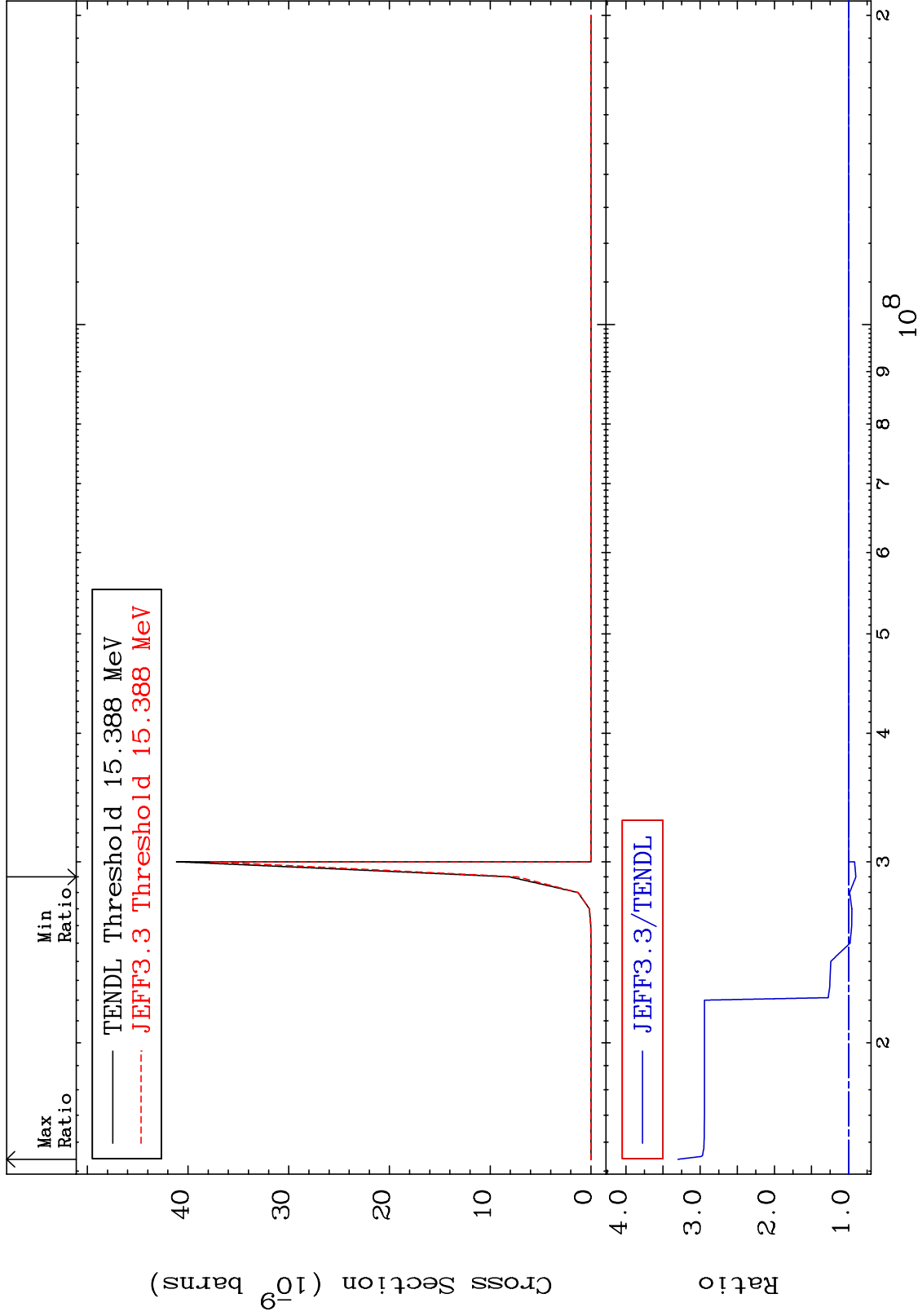
80-Hg-202

MAT 8043

(n, n') He-3:78-Pt-199m8

80-Hg-202

Radionuclide Production Cross Section -9.724 To 229.8 %



78

Incident Energy (eV)

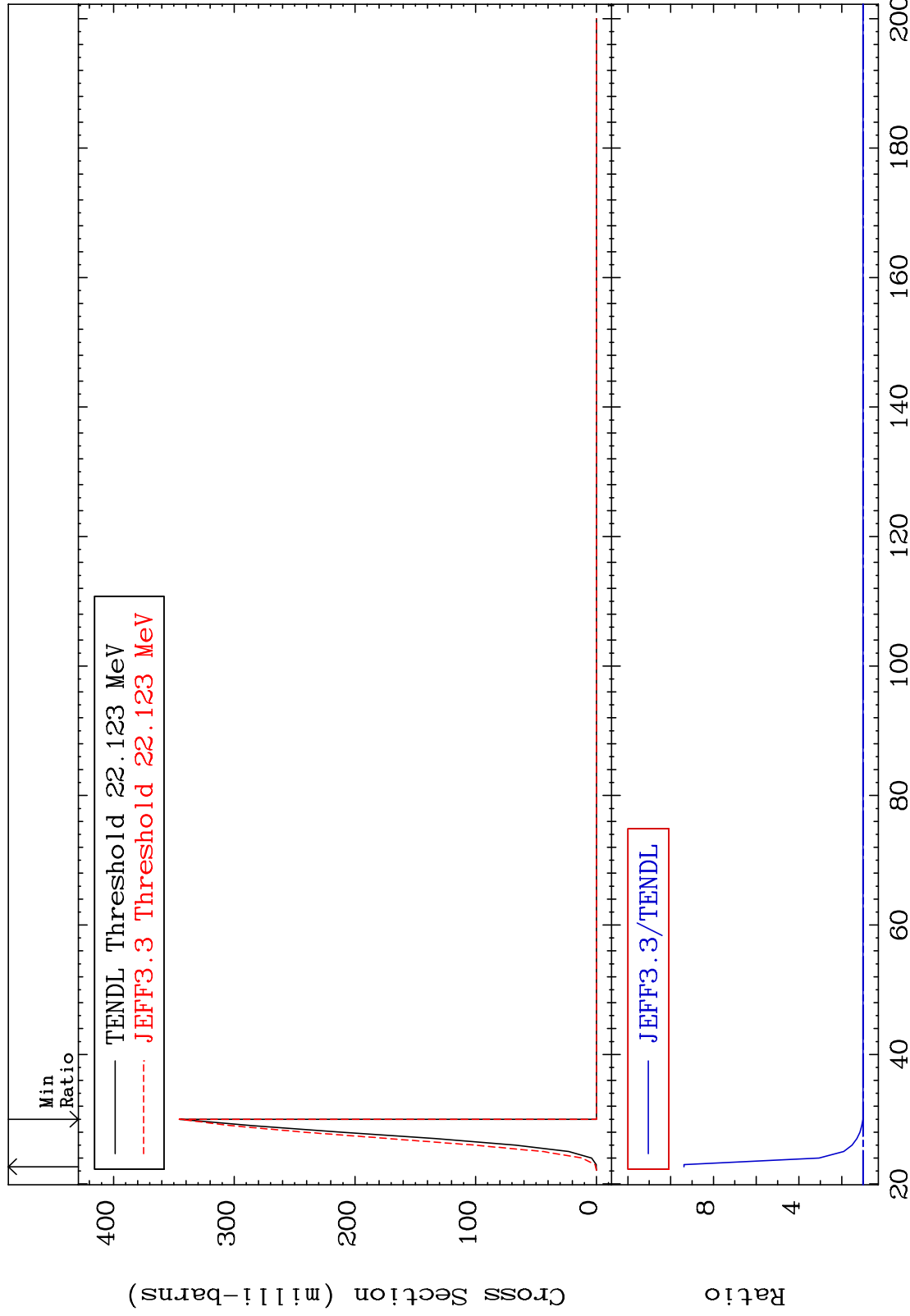
80-Hg-202

MAT 8043

(n,4n):80-Hg-199g

80-Hg-202

Radionuclide Production Cross Section 0.000 To 837.4 %



79

Incident Energy (MeV)

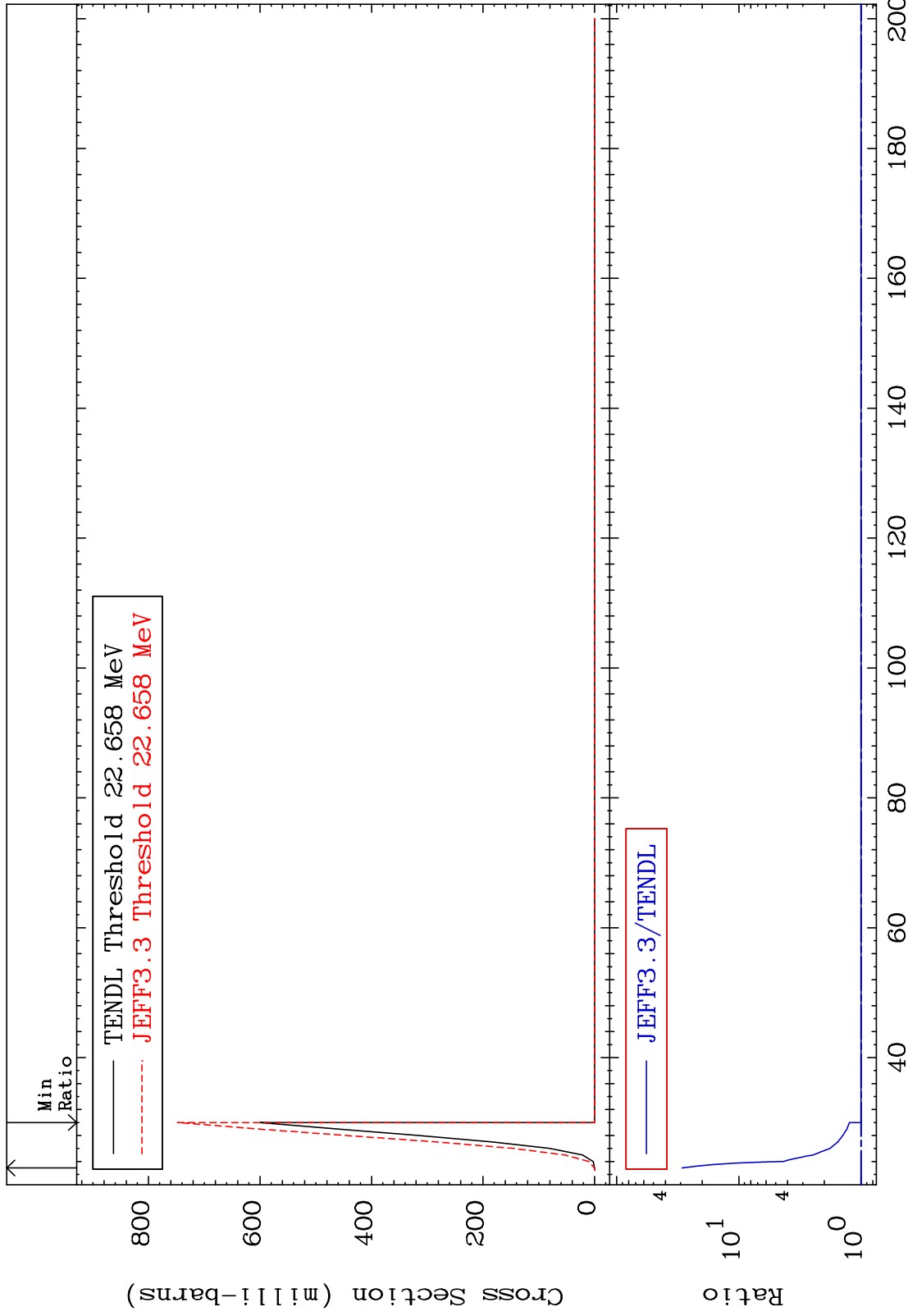
80-Hg-202

MAT 8043

(n, 4n): 80-Hg-199m7

80-Hg-202

Radionuclide Production Cross Section 0.000 To 2815. %



80

Incident Energy (MeV)

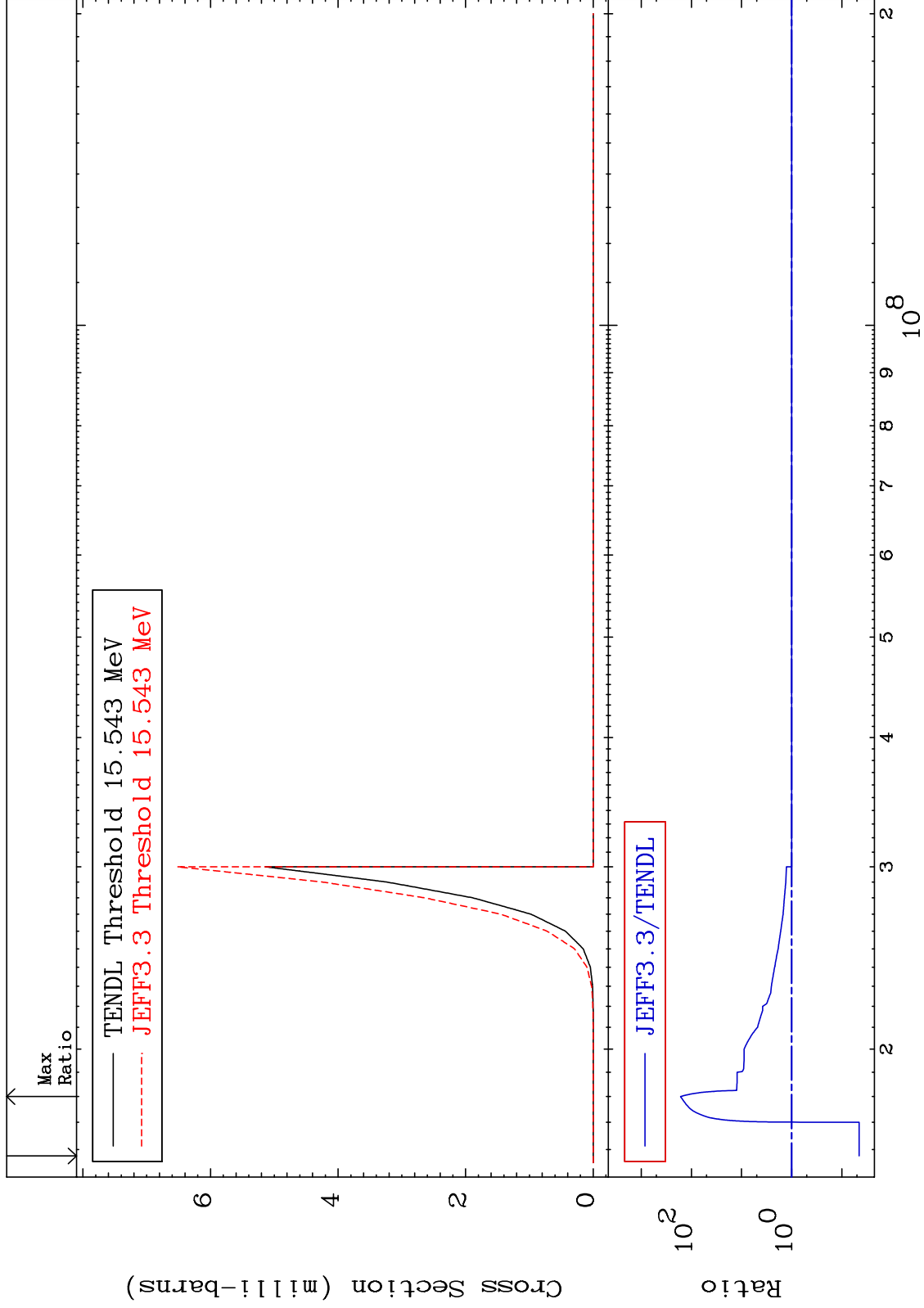
80-Hg-202

MAT 8043

(n,2n) p:79-Au-200g

80-Hg-202

Radionuclide Production Cross Section -95.48 To 9999. %



81

Incident Energy (eV)

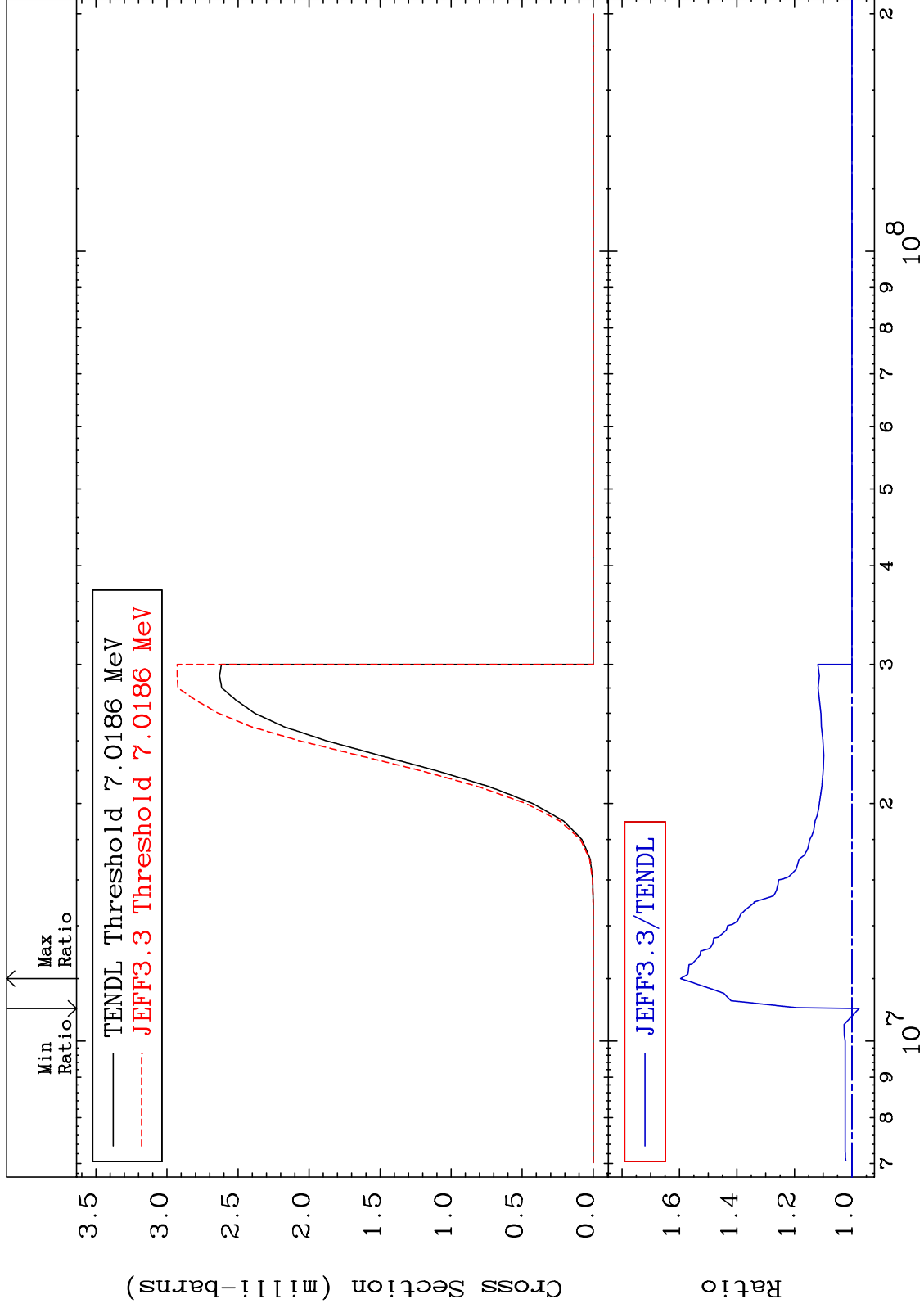
80-Hg-202

MAT 8043

(n, t): 79-Au-200g

80-Hg-202

Radionuclide Production Cross Section -2.521 To 59.59 %



82

Incident Energy (eV)

80-Hg-202