

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

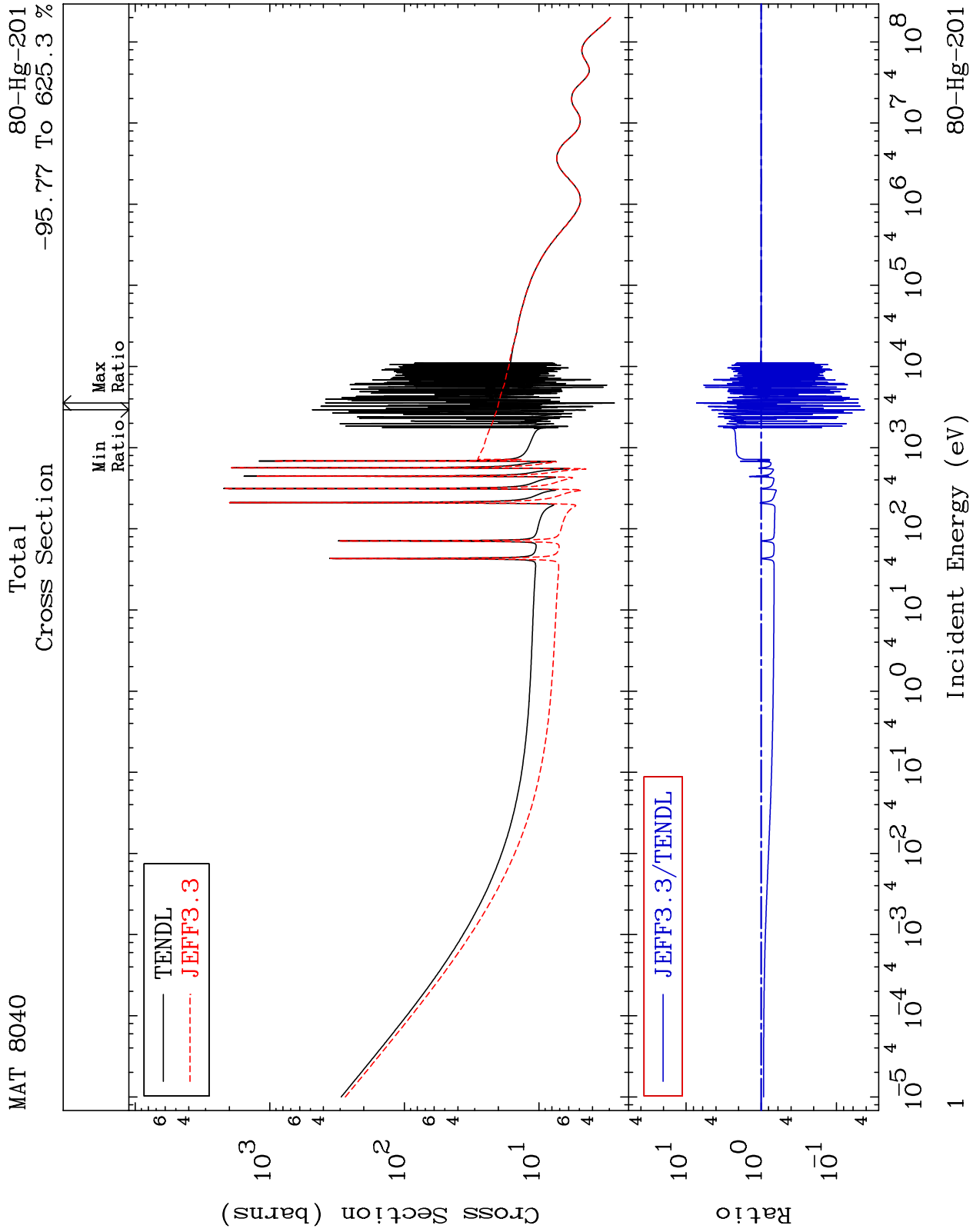
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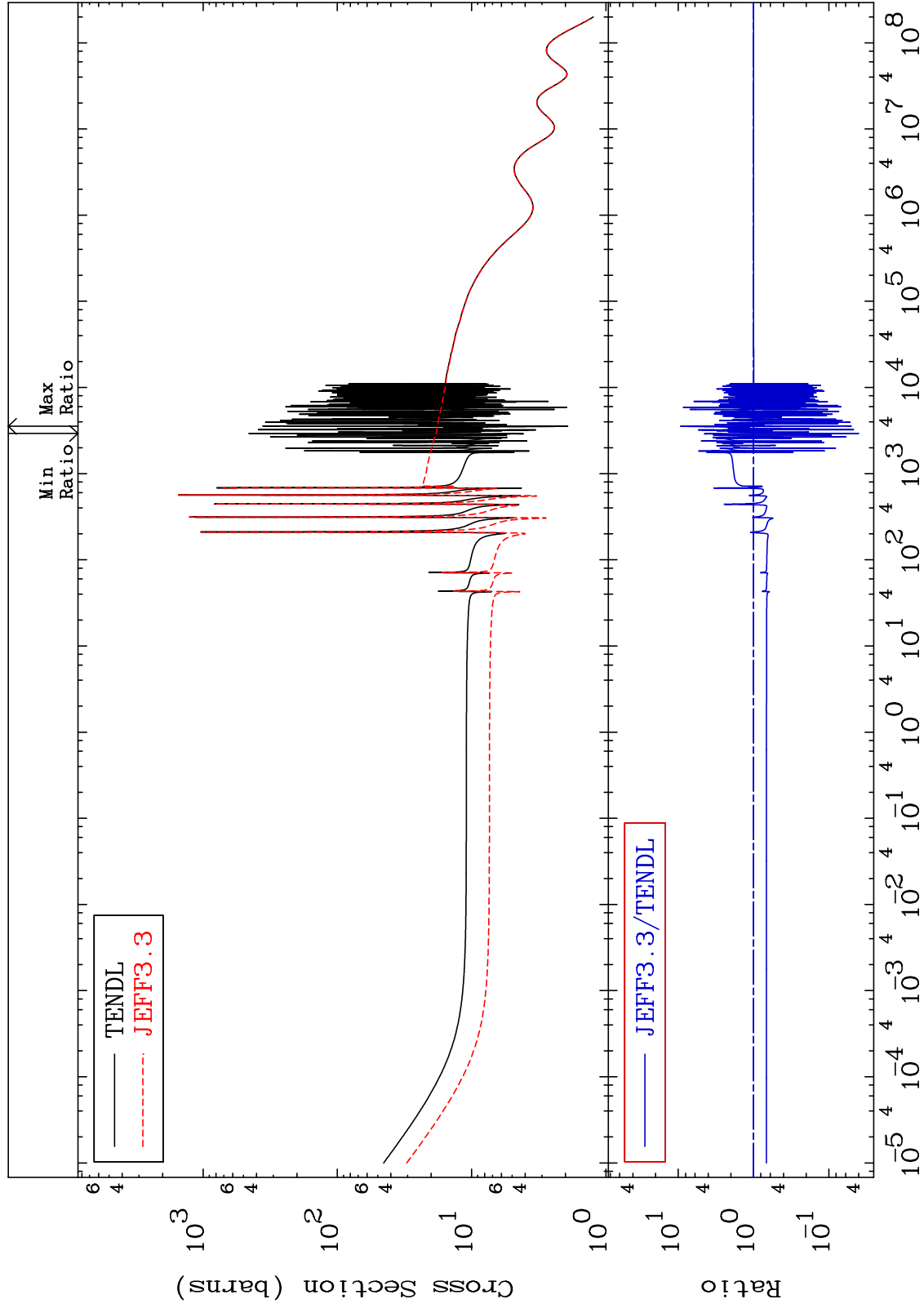
Press Mouse Button to Start



MAT 8040

Elastic
Cross Section

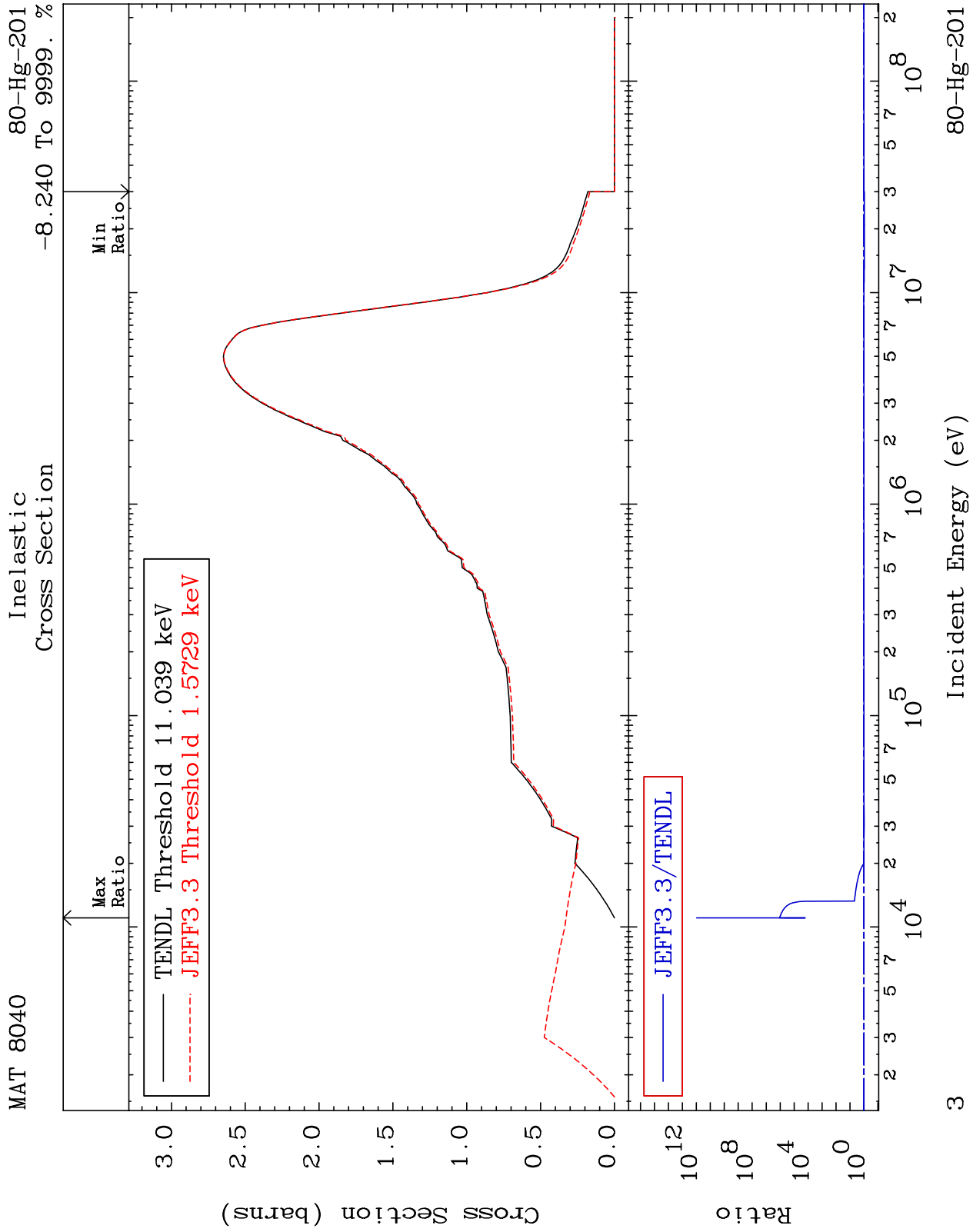
80-Hg-201
-95.97 To 834.1 %

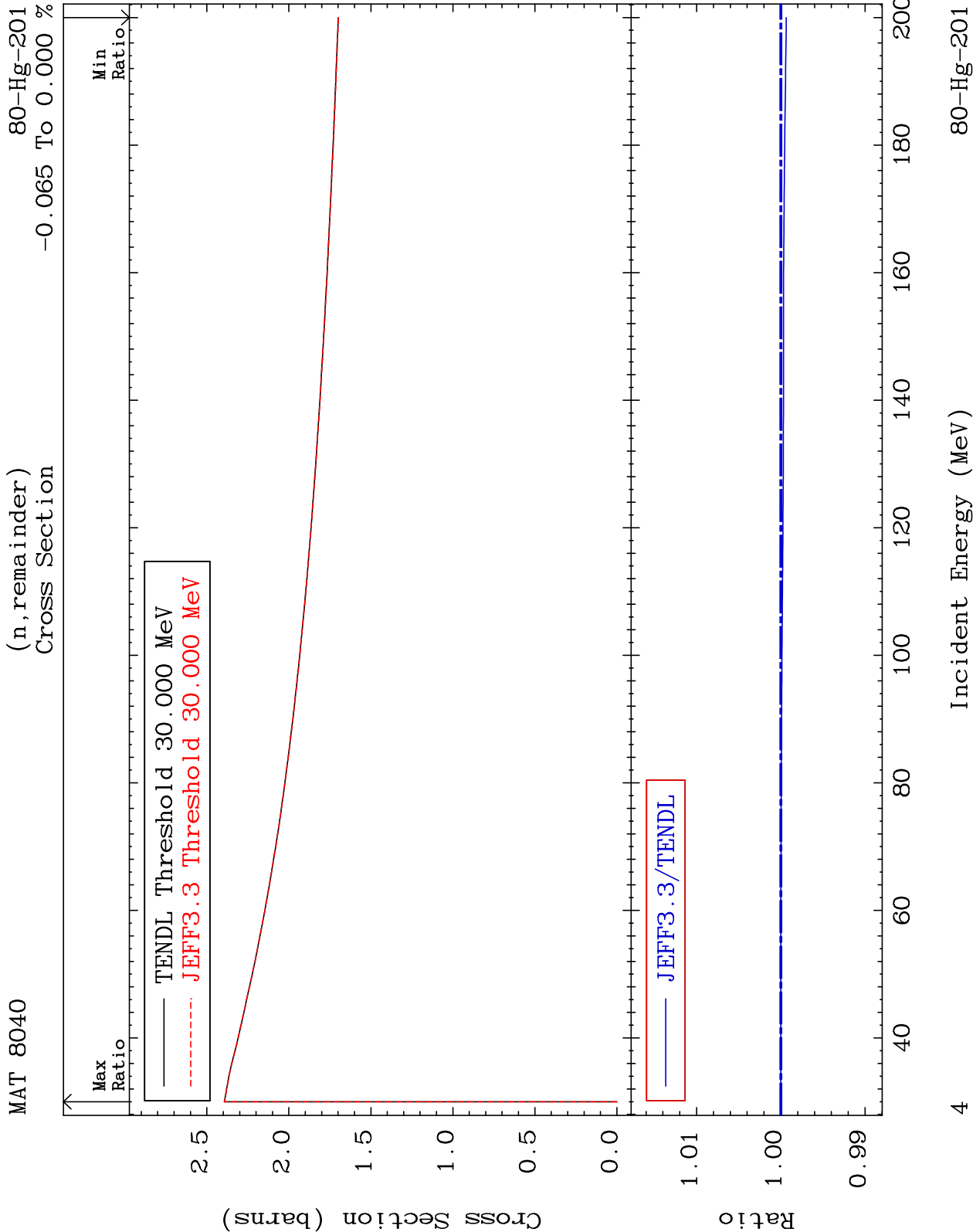


2

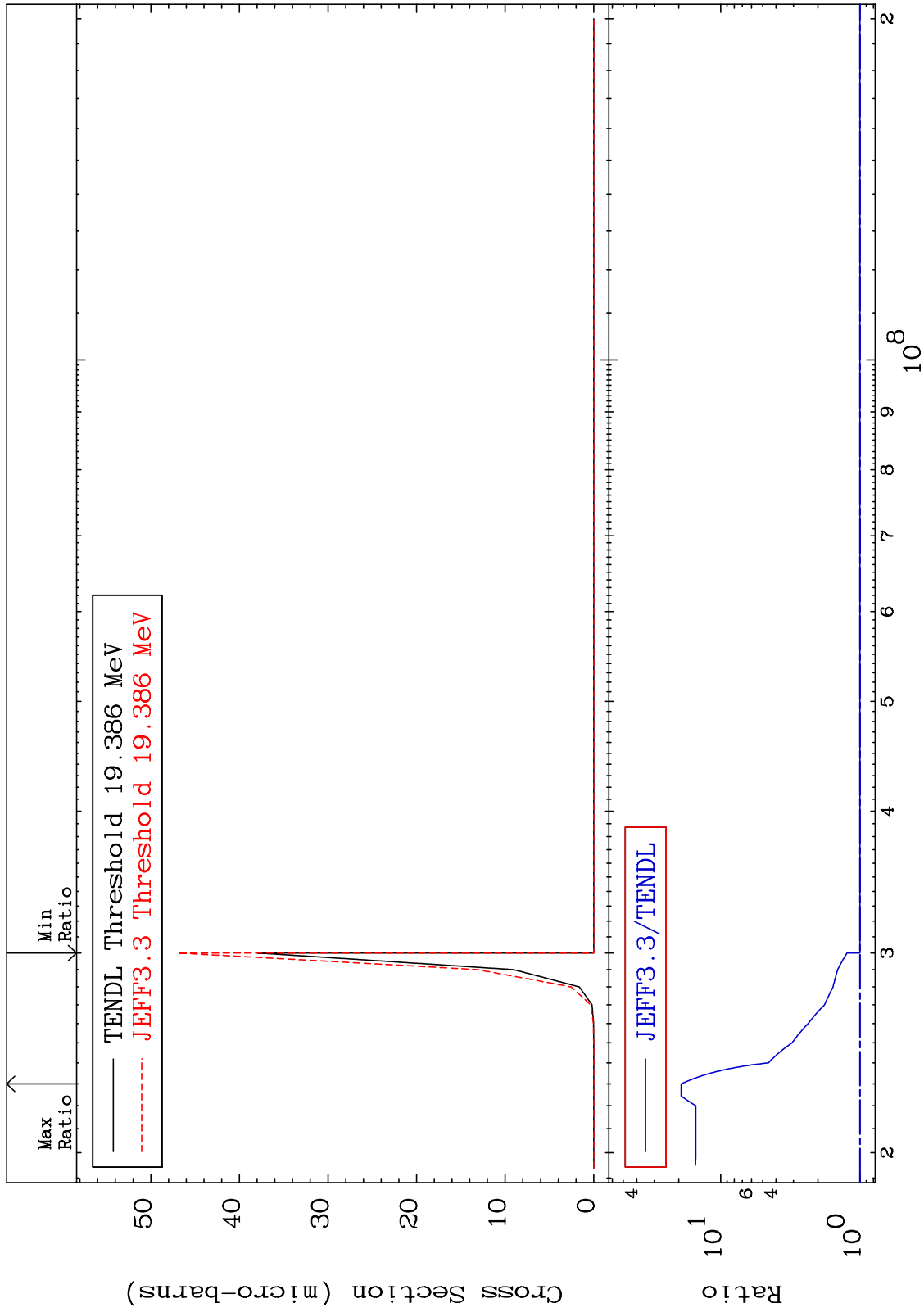
Incident Energy (eV)

80-Hg-201





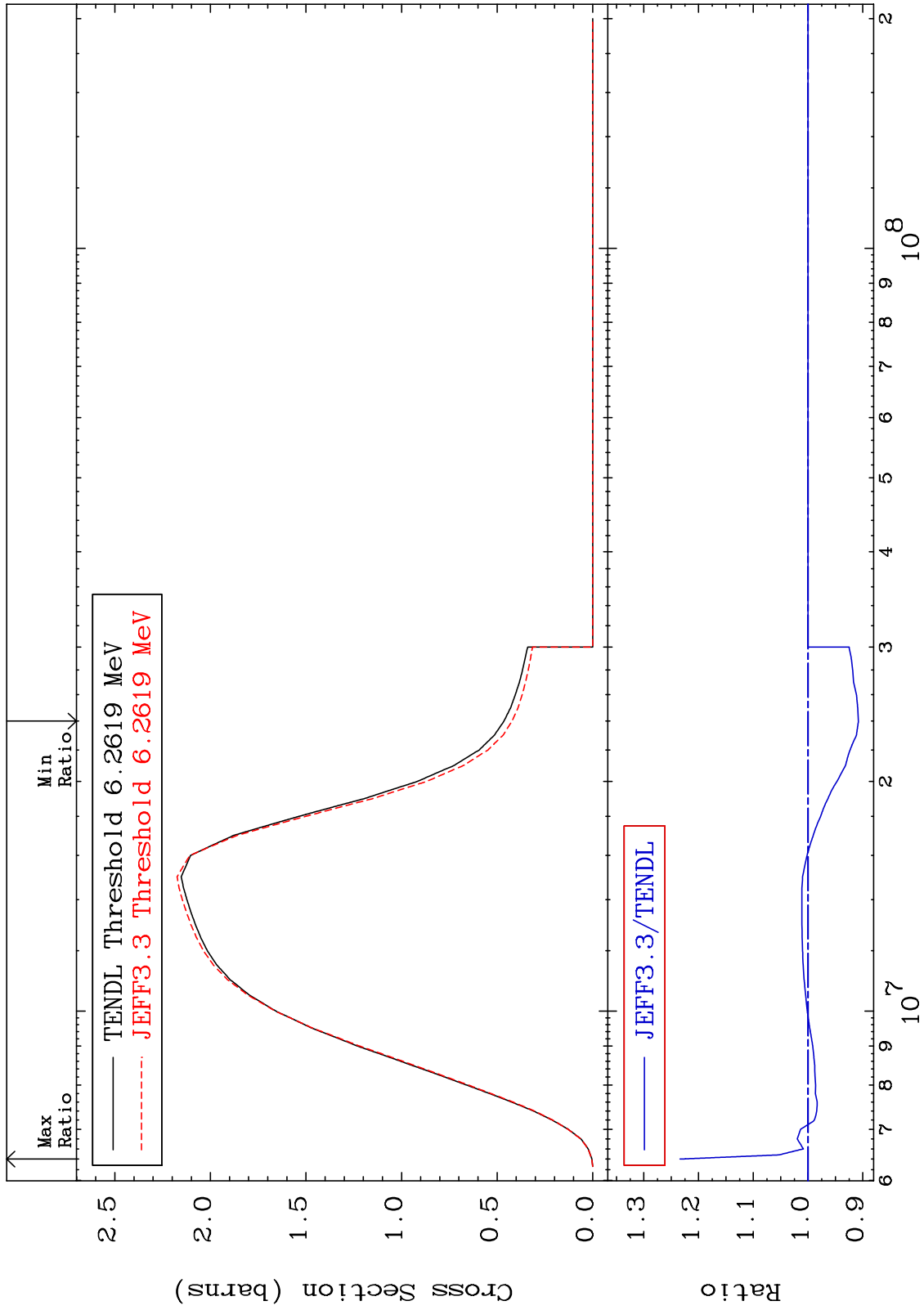
MAT 8040 (n,2n) d 80-Hg-201
Cross Section 0.000 To 1820. %



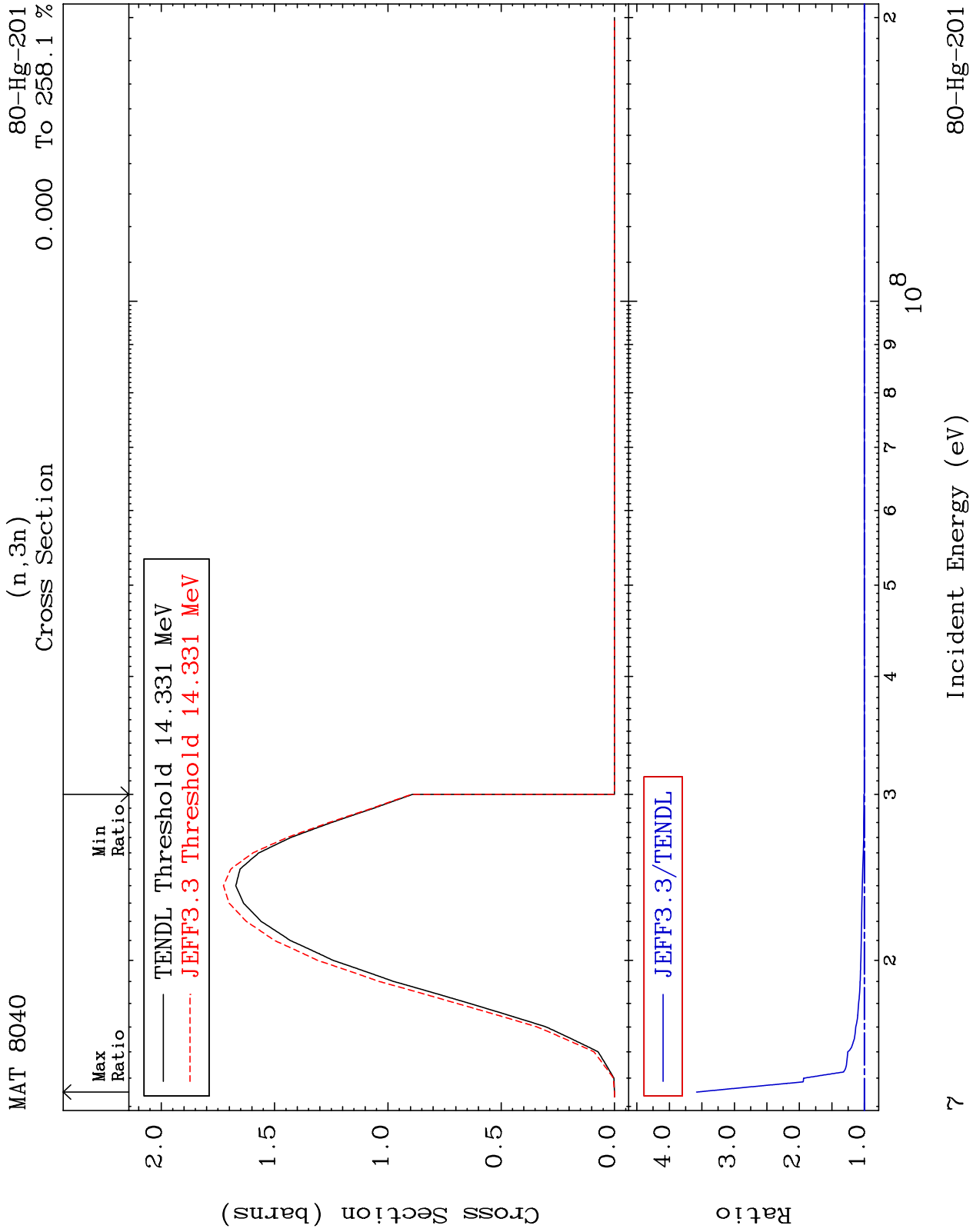
80-Hg-201

Incident Energy (eV)

MAT 8040 (n,2n) Cross Section 80-Hg-201 -9.193 To 23.39 %



6 Incident Energy (eV) 80-Hg-201



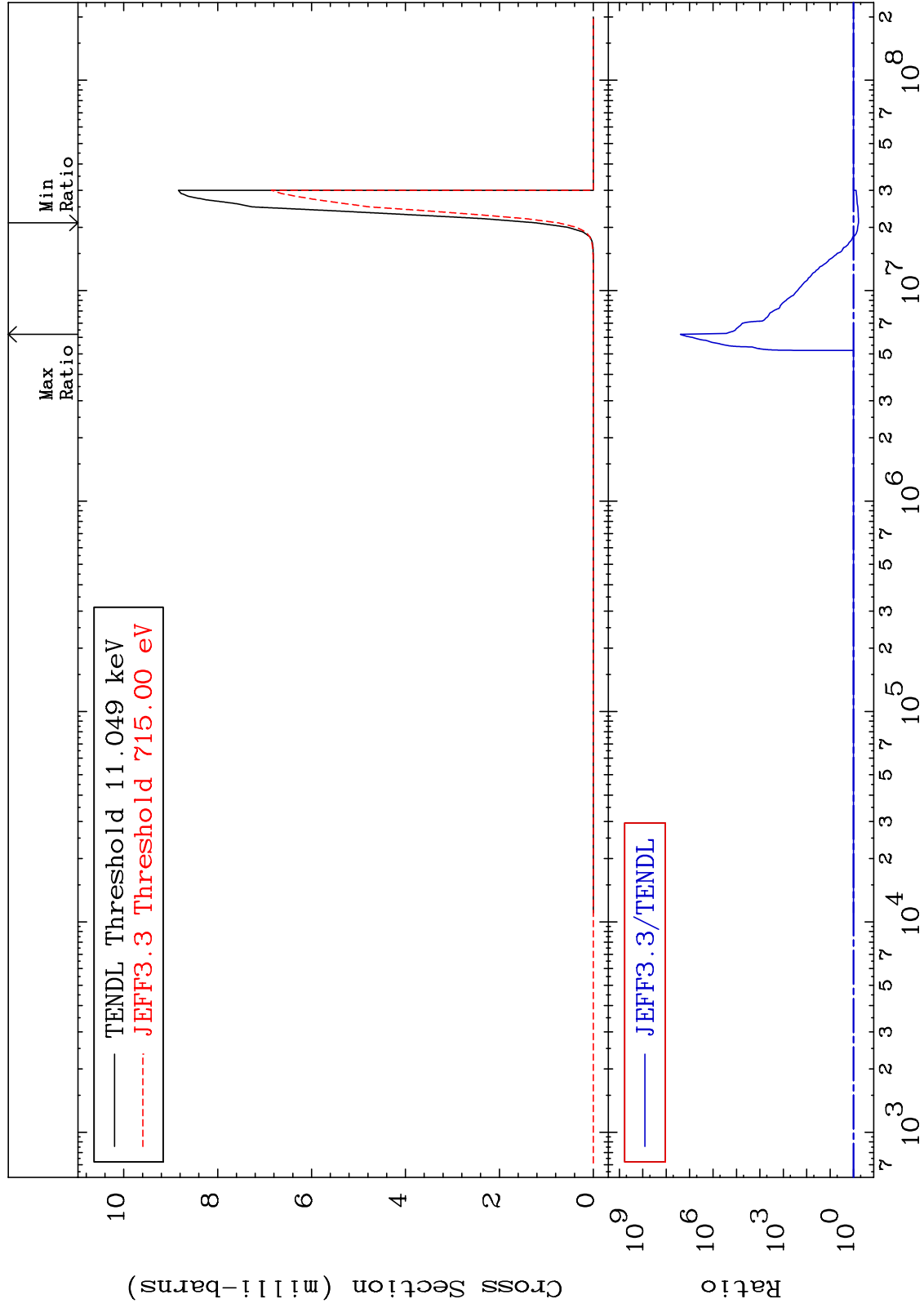
MAT 8040

(n, n') α

Cross Section

80-Hg-201

-38.80 To 9999. %



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Incident Energy (eV)

80-Hg-201

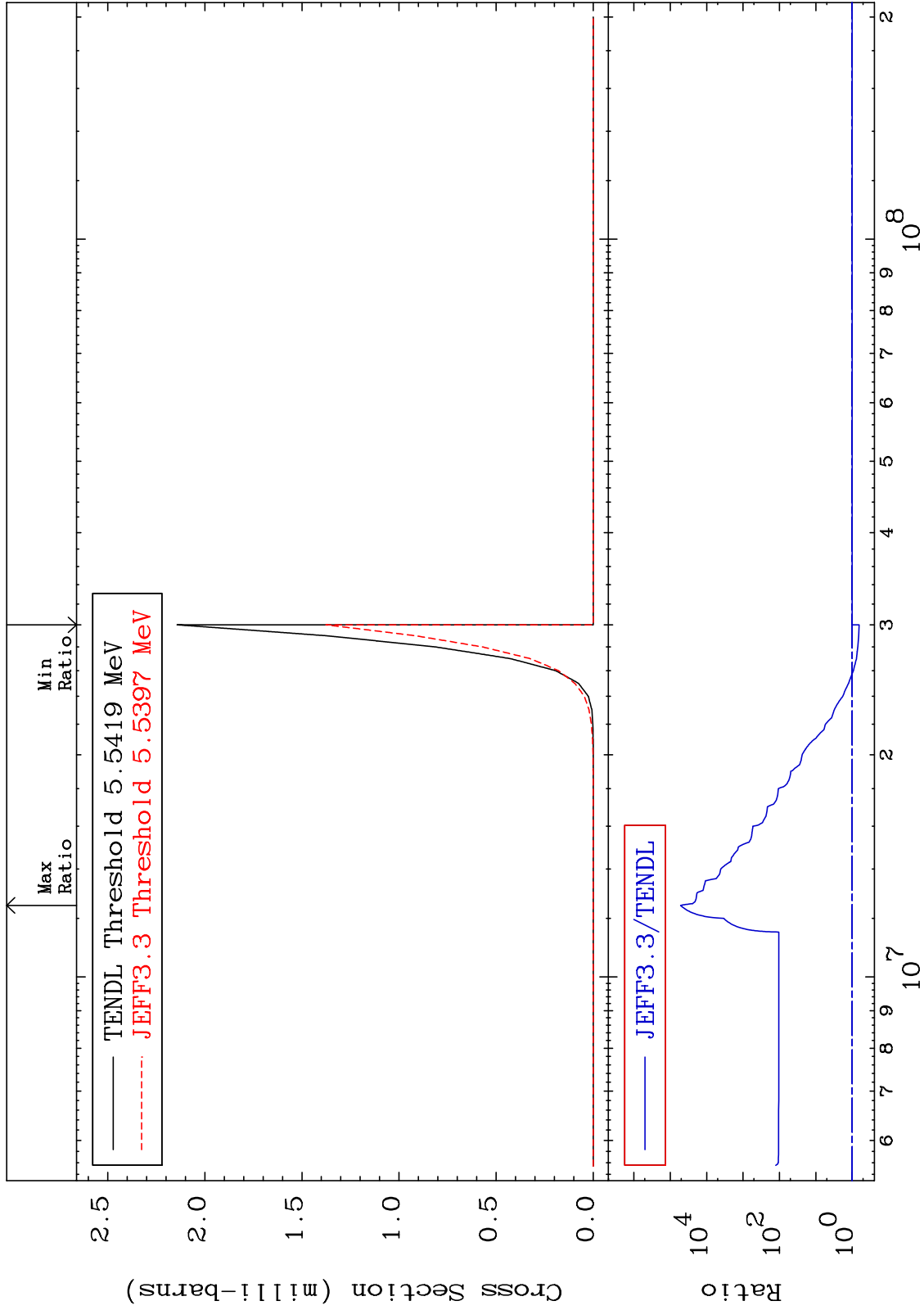
MAT 8040

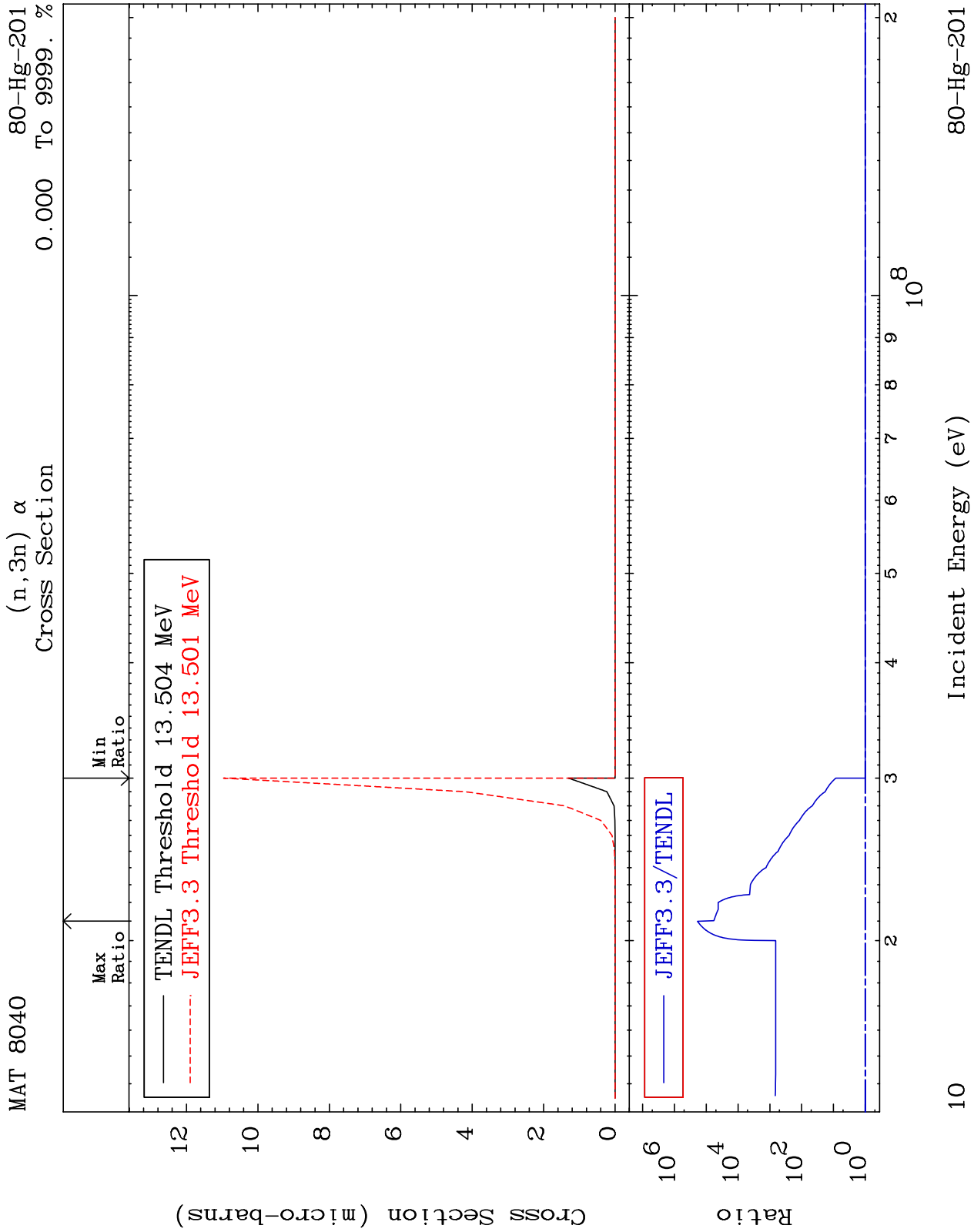
(n,2n) α

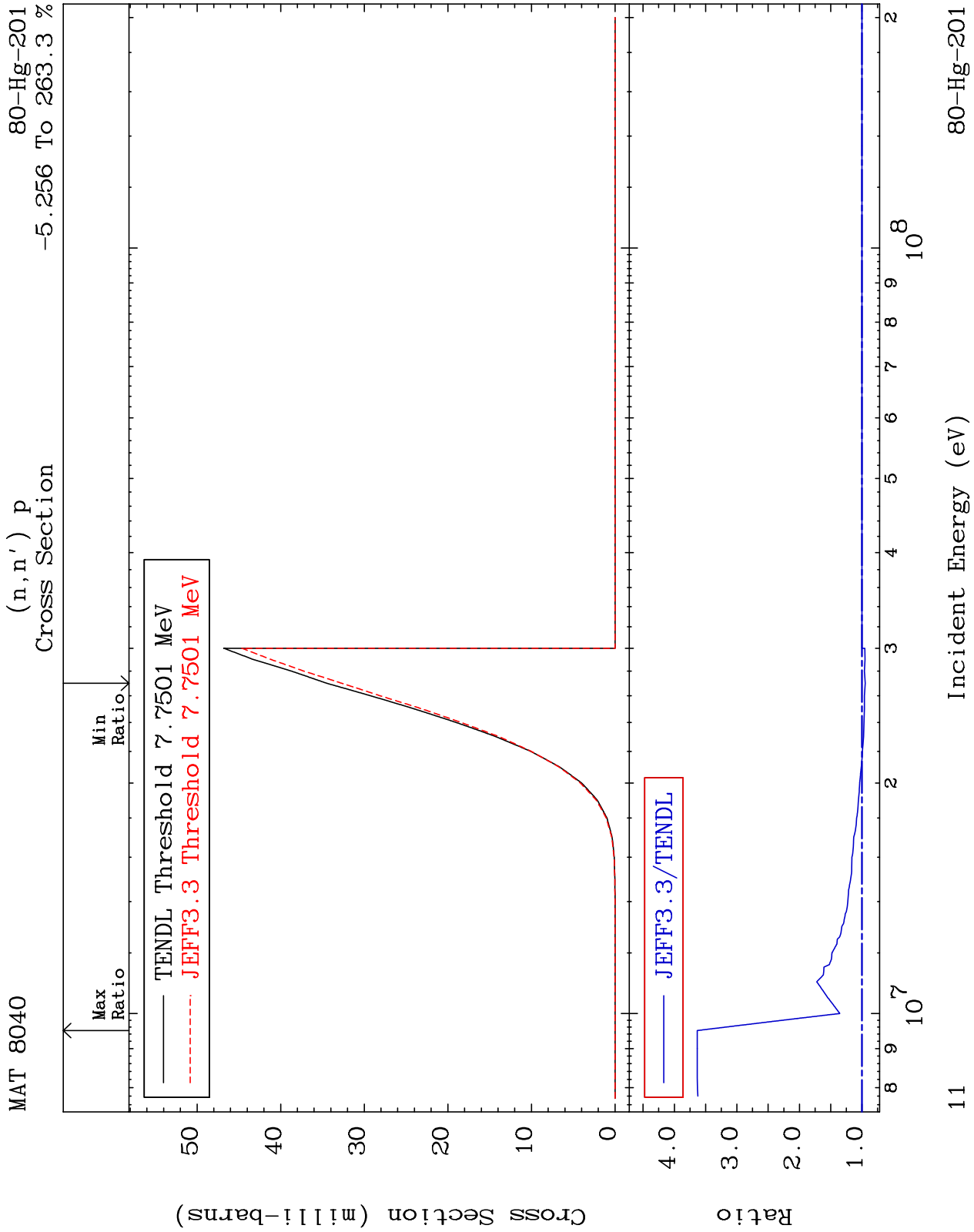
80-Hg-201

-35.75 To 9999. %

Cross Section







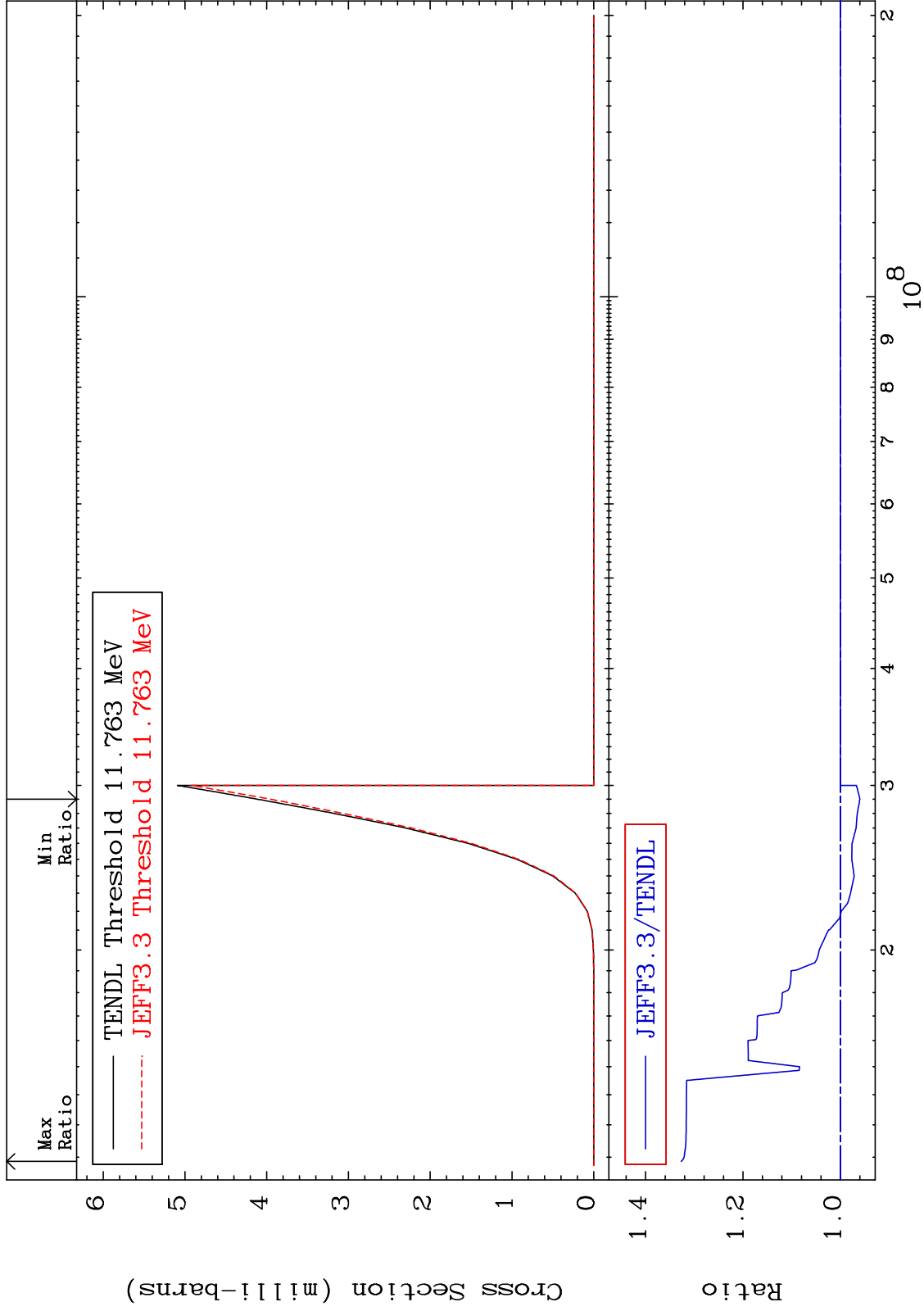
MAT 8040

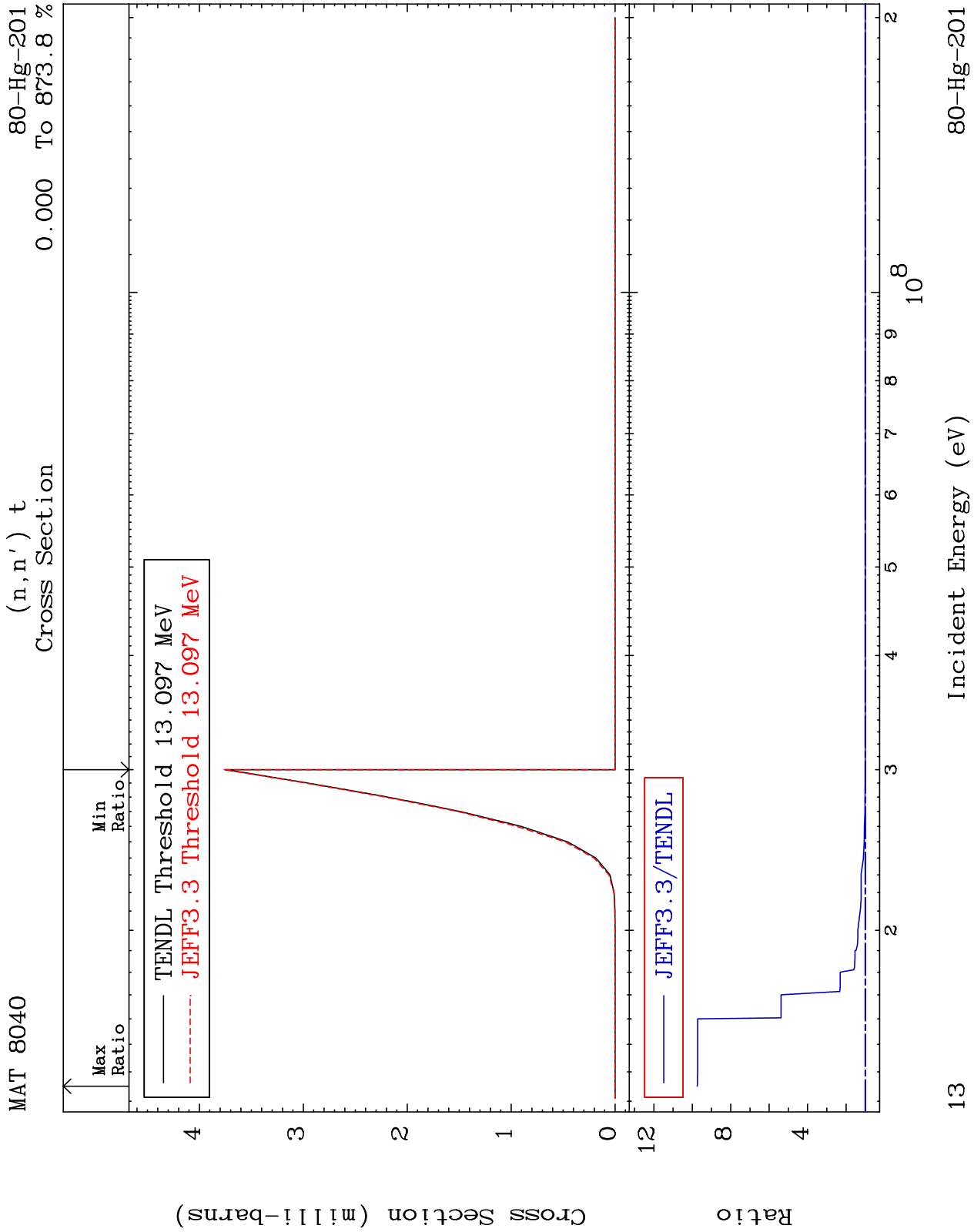
(n,n') d

80-Hg-201

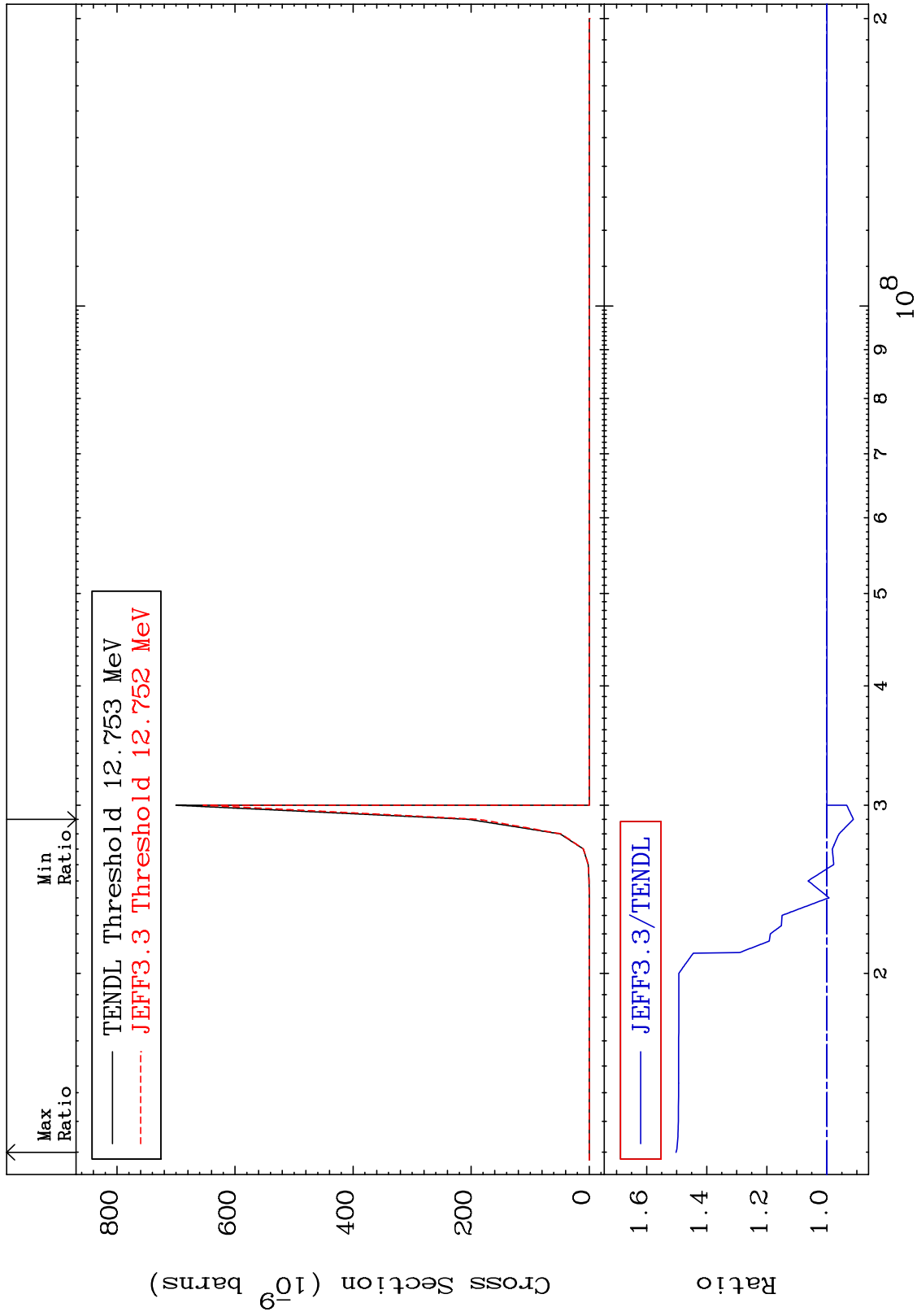
Cross Section

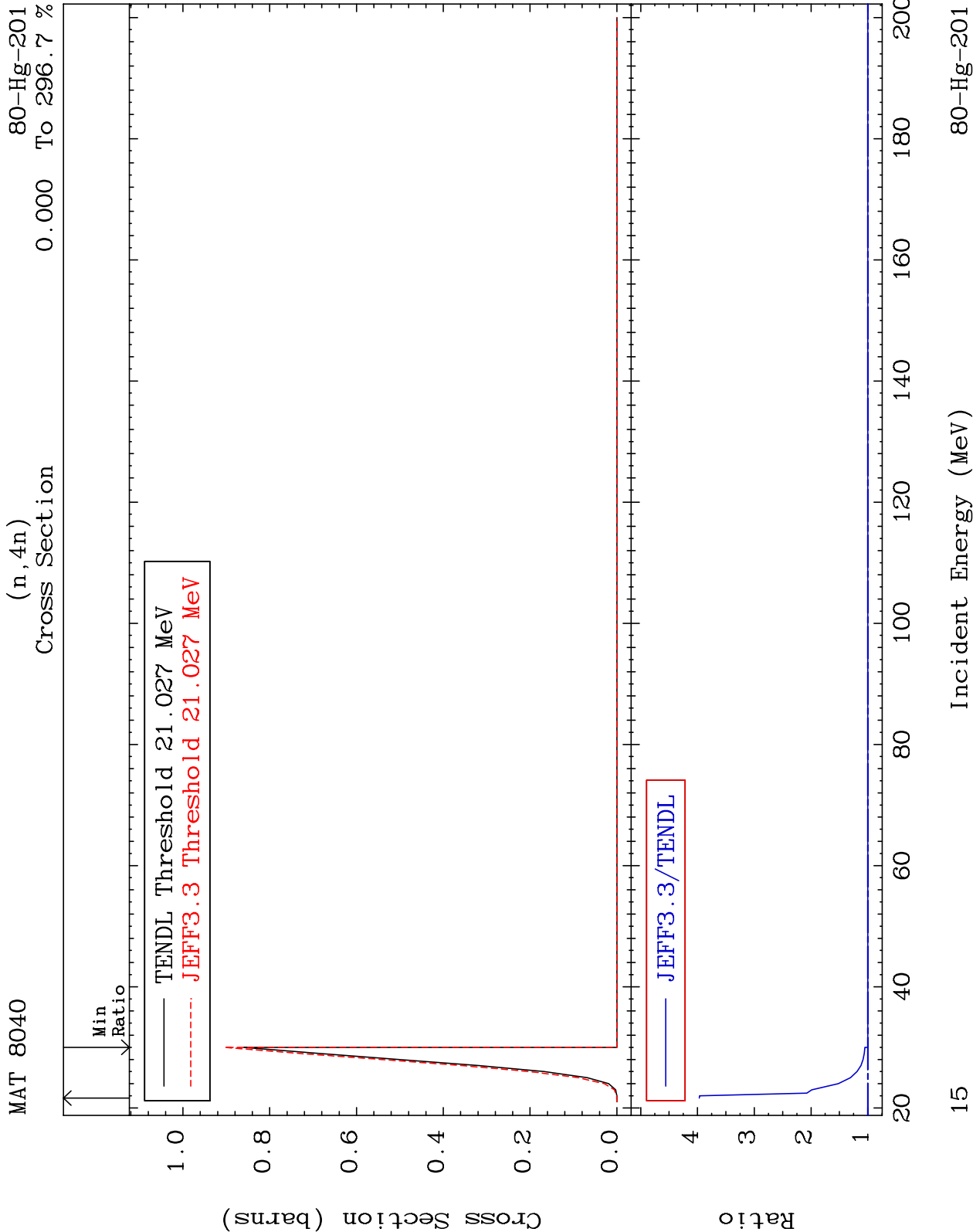
-4.006 To 32.69 %





MAT 8040 (n, n') He-3 Cross Section 80-Hg-201 -8.845 To 50.21 %

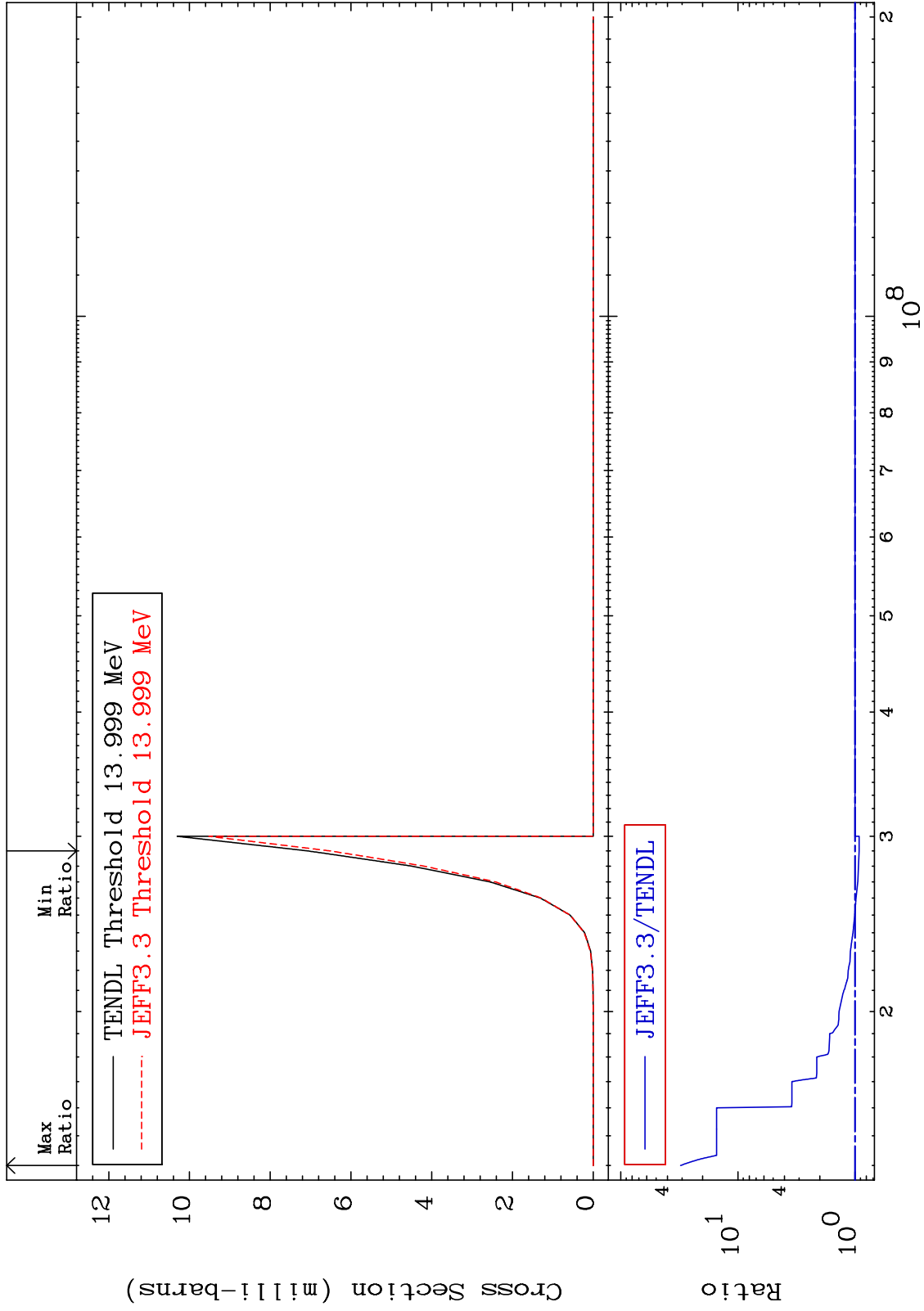




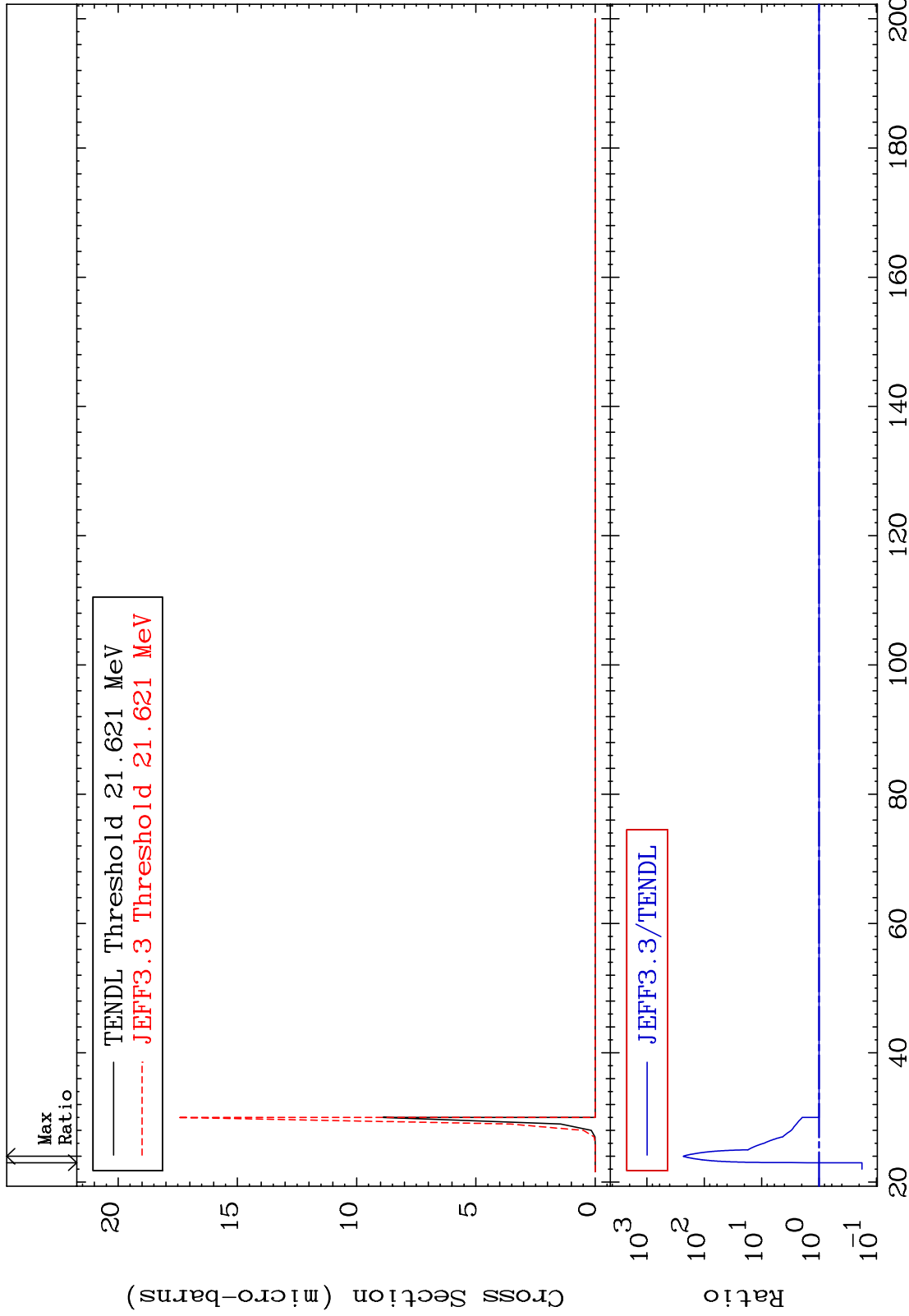
MAT 8040

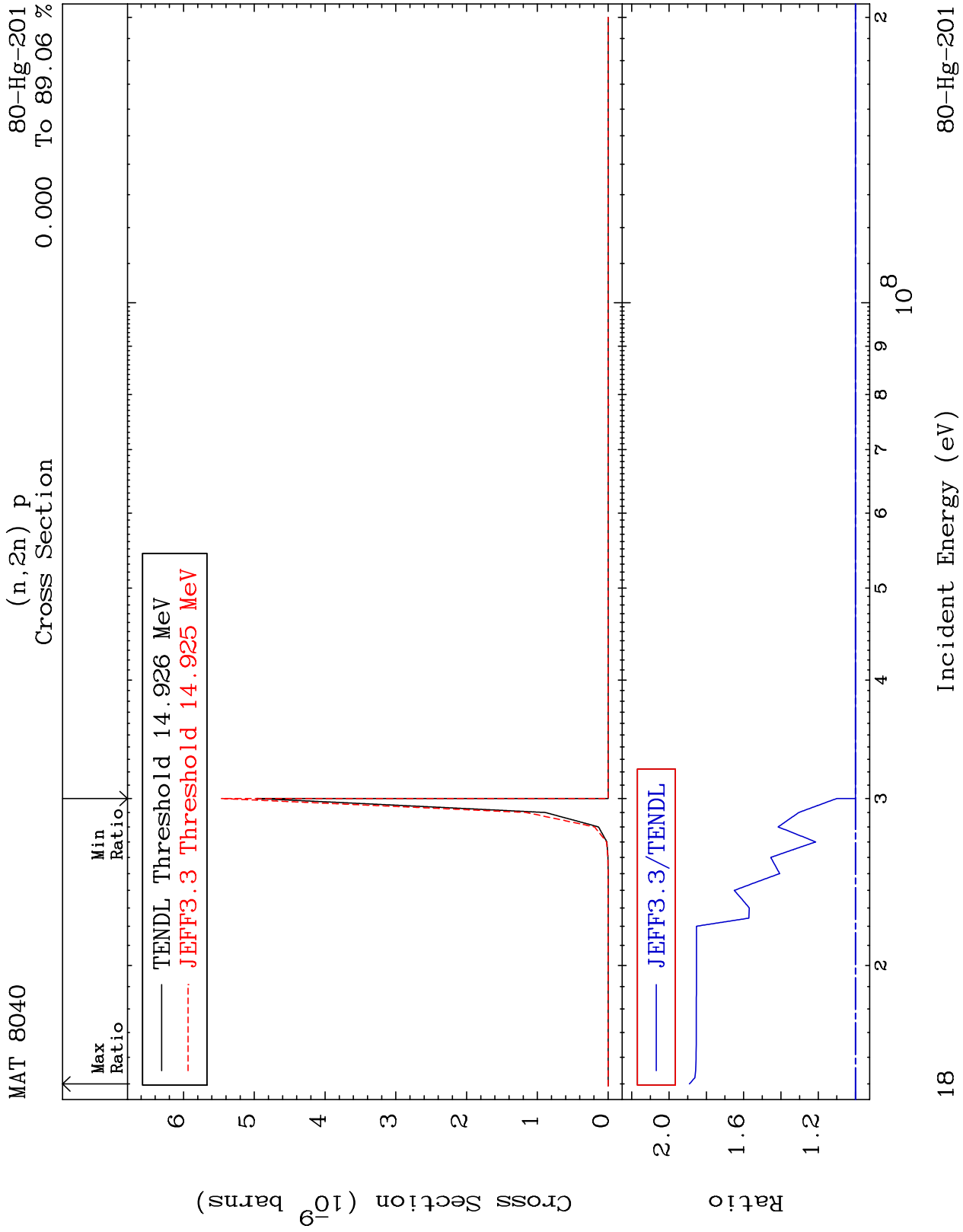
(n,2n) p
Cross Section

80-Hg-201
-7.848 To 2983. %



MAT 8040 (n,3n) p 80-Hg-201
Cross Section -82.23 To 9999. %

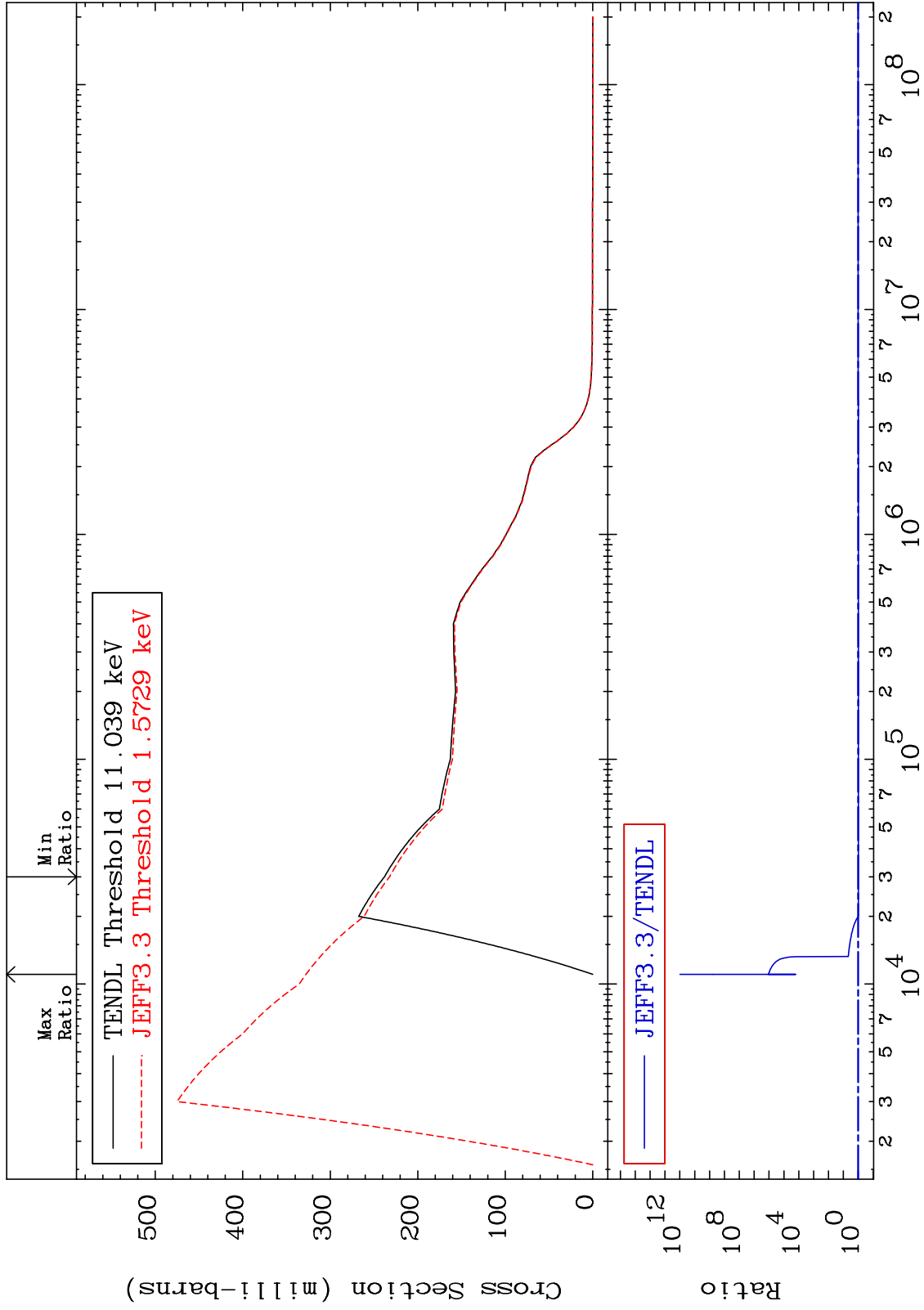


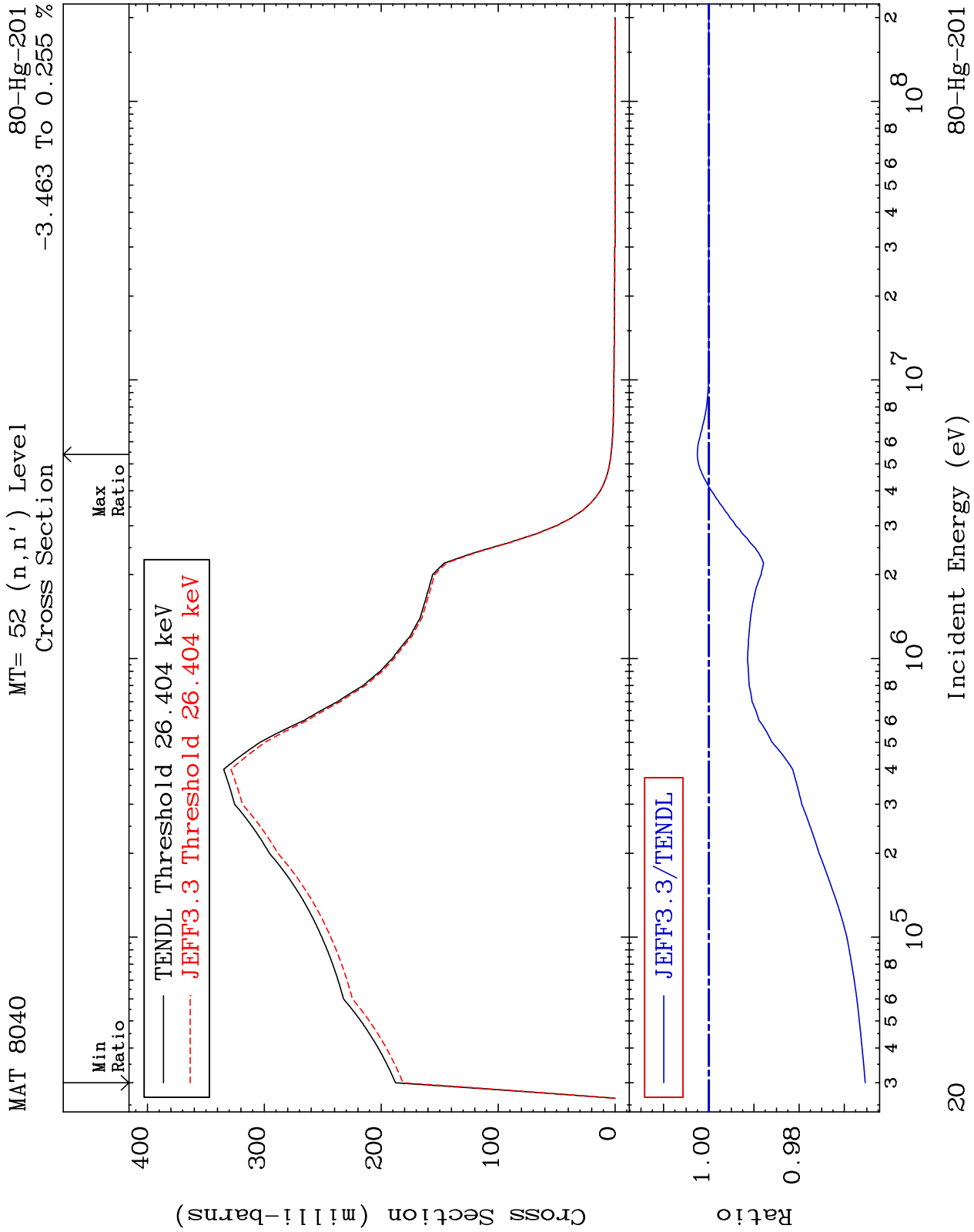


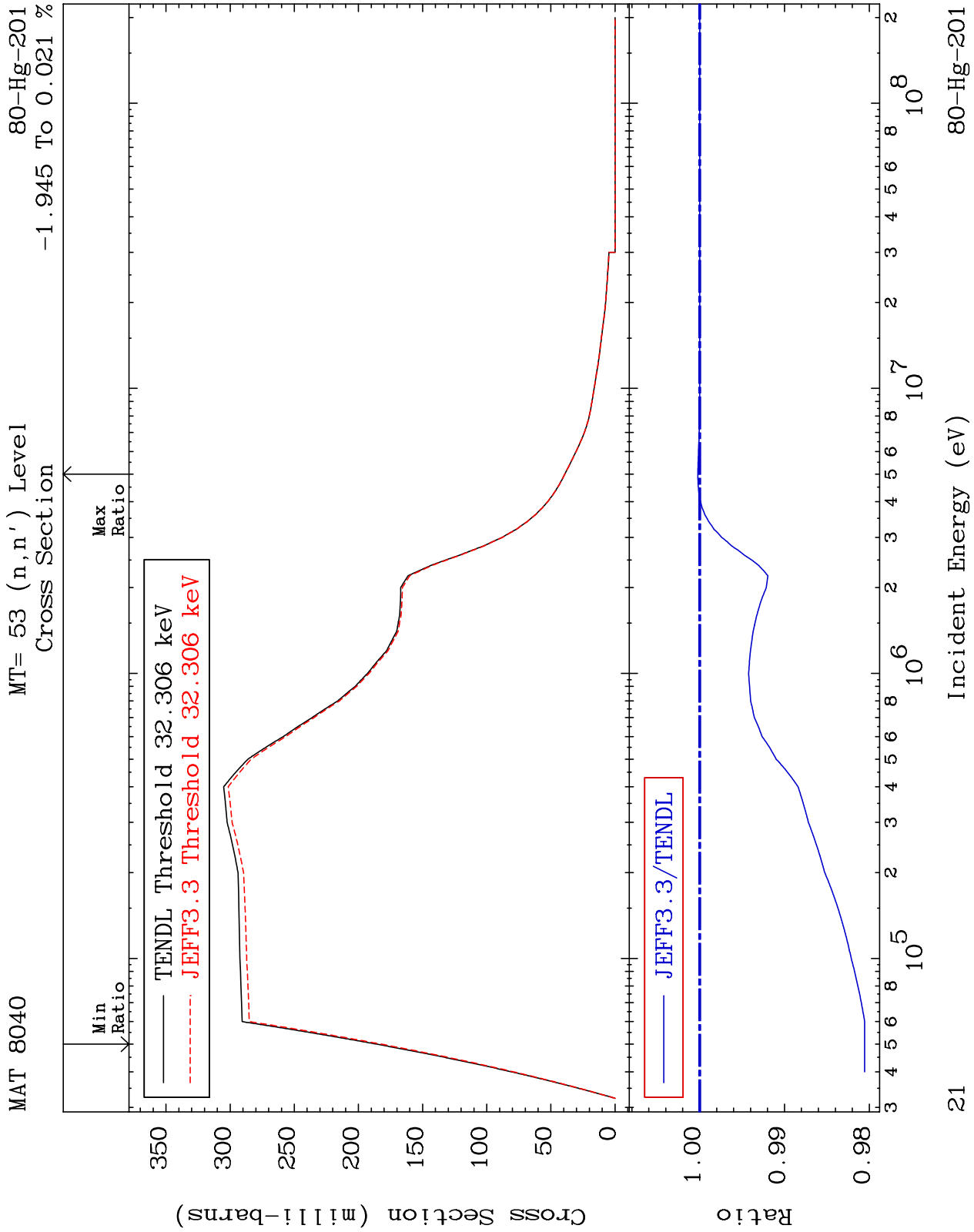
MAT 8040

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

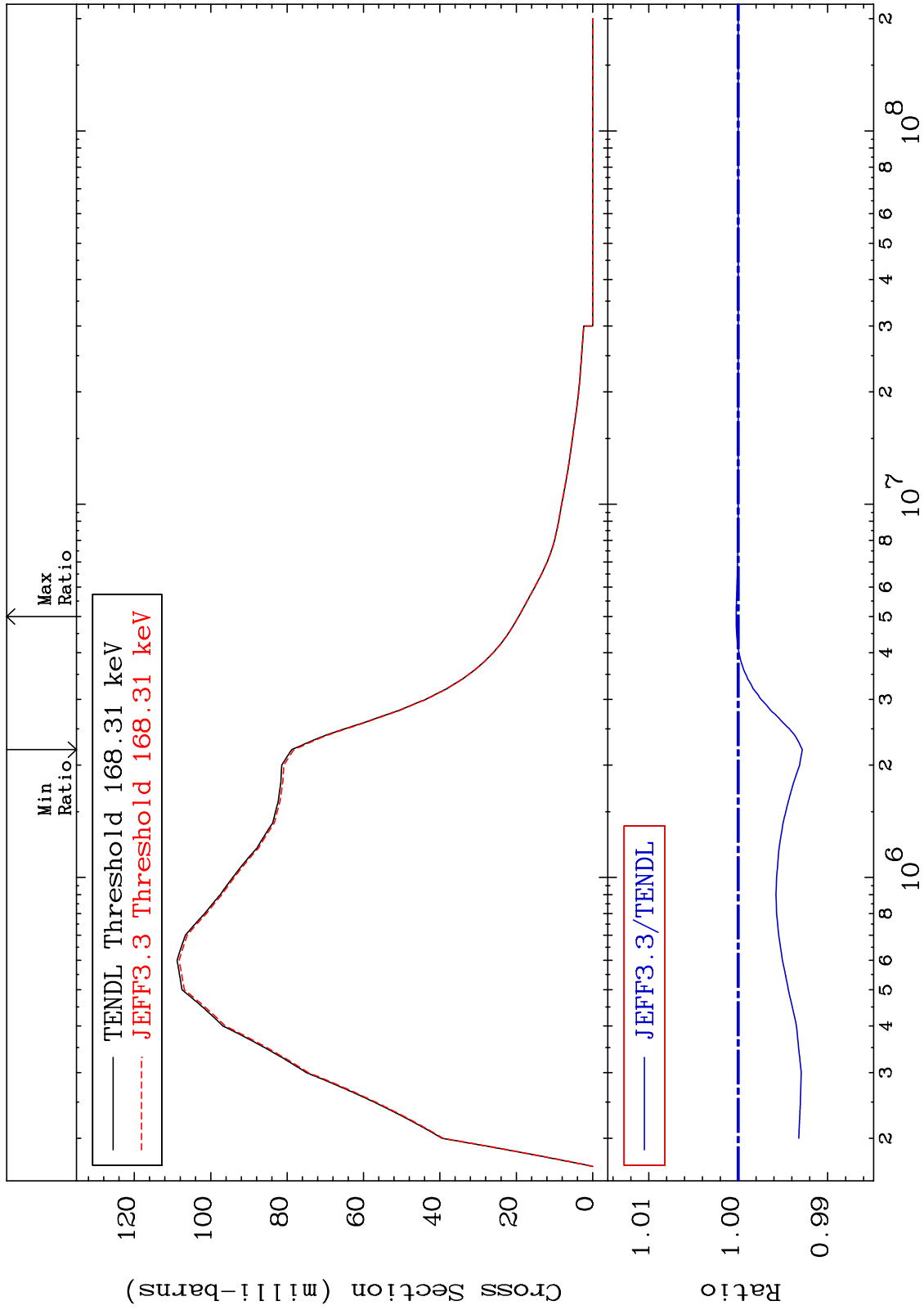
80-Hg-201
-2.466 To 9999. %



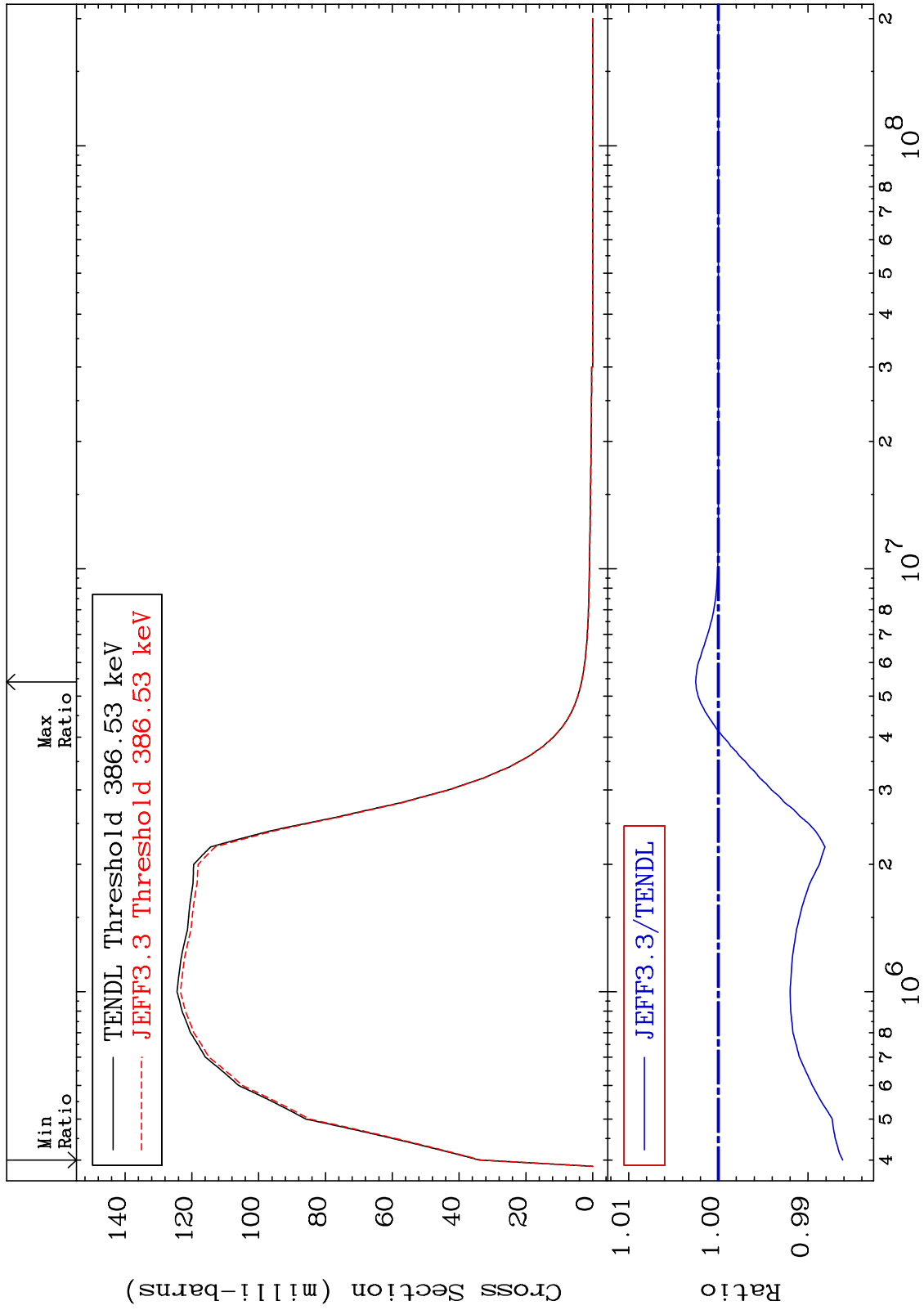


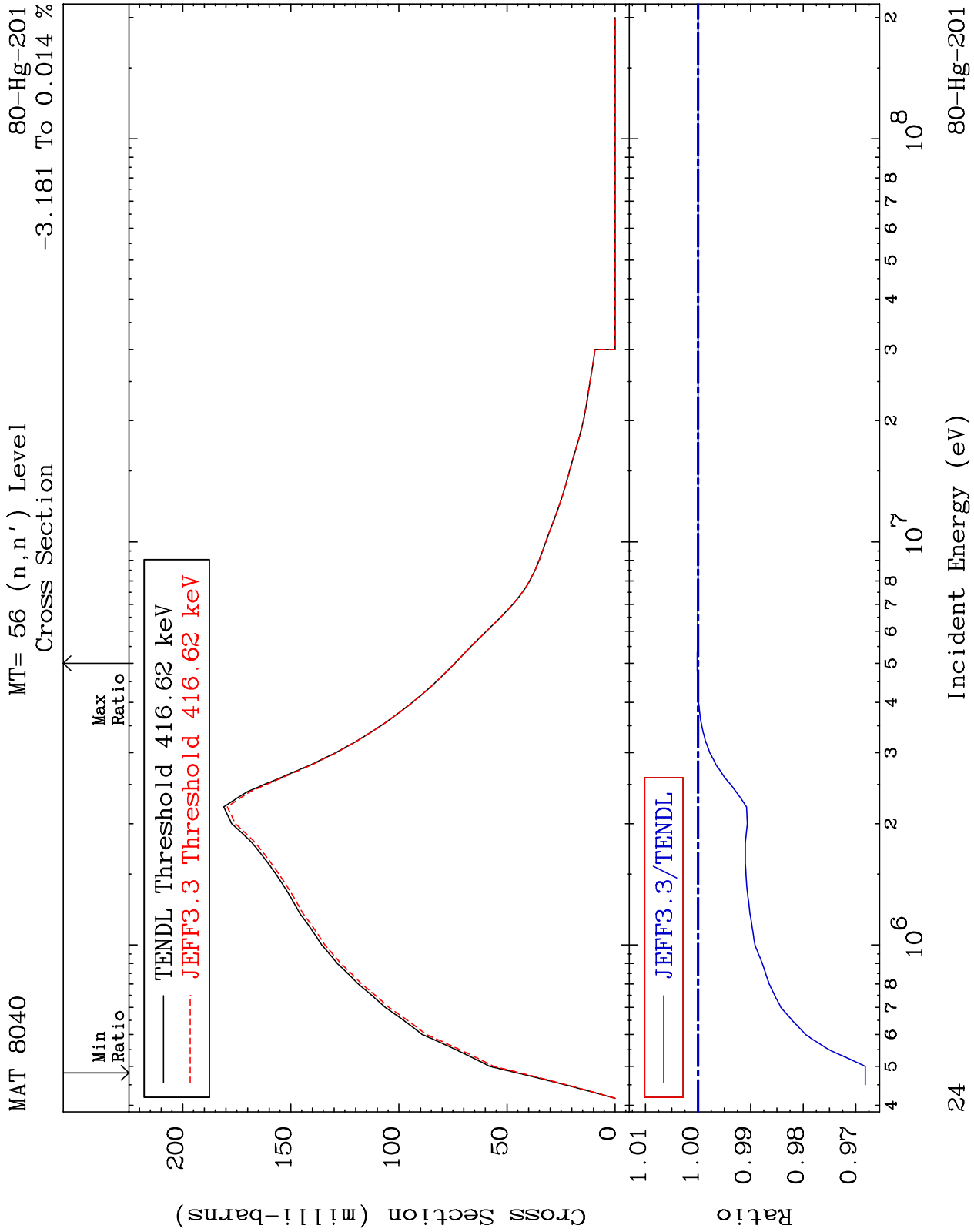


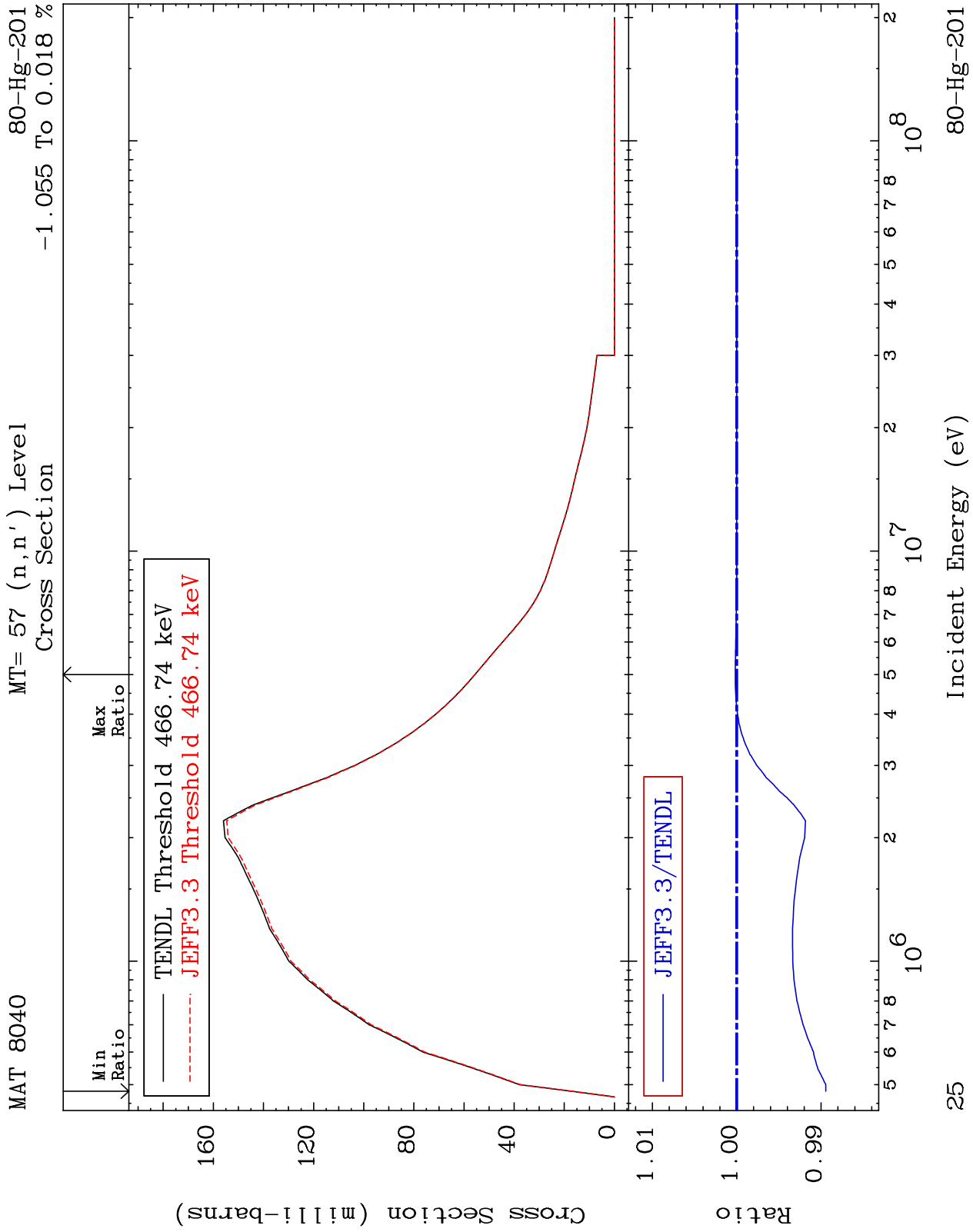
MAT 8040 MT= 54 (n, n') Level Cross Section 80-Hg-201
 -0.716 To 0.023 %



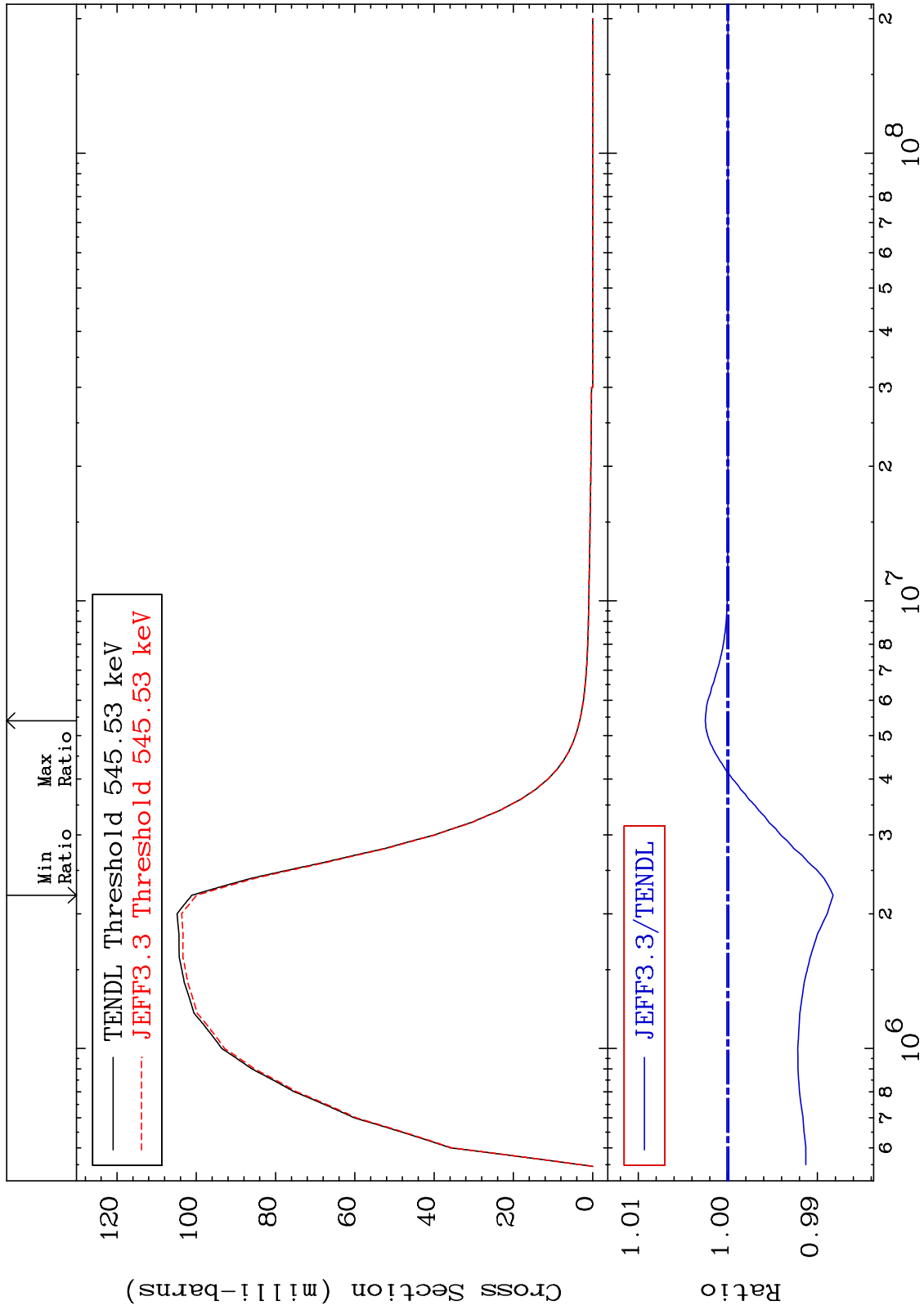
MAT 8040 MT= 55 (n,n') Level Cross Section -1.386 To 0.253 % 80-Hg-201







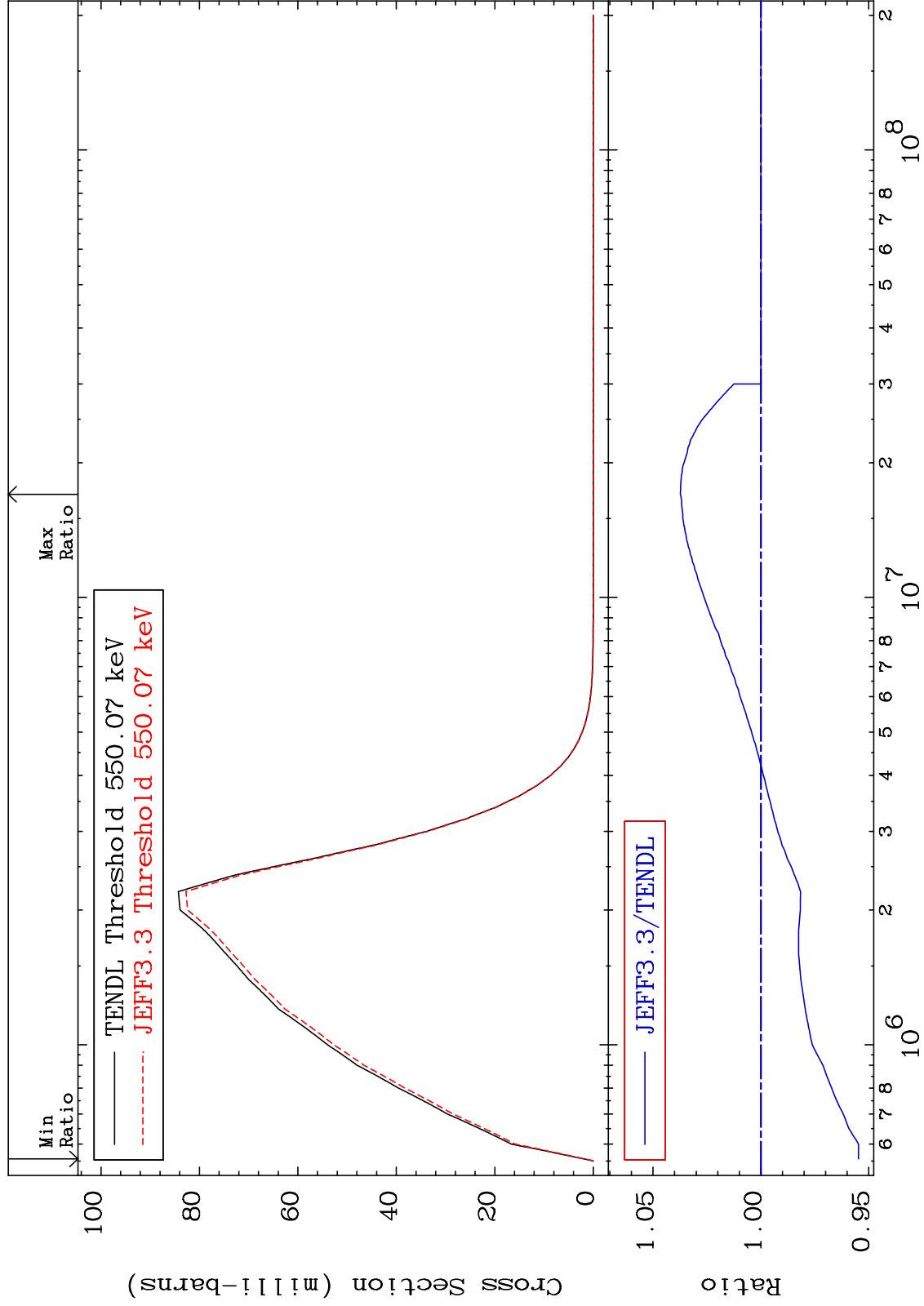
MAT 8040 MT= 58 (n,n') Level Cross Section 80-Hg-201
 -1.175 To 0.252 %



MAT 8040

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

80-Hg-201
-4.524 To 3.729 %

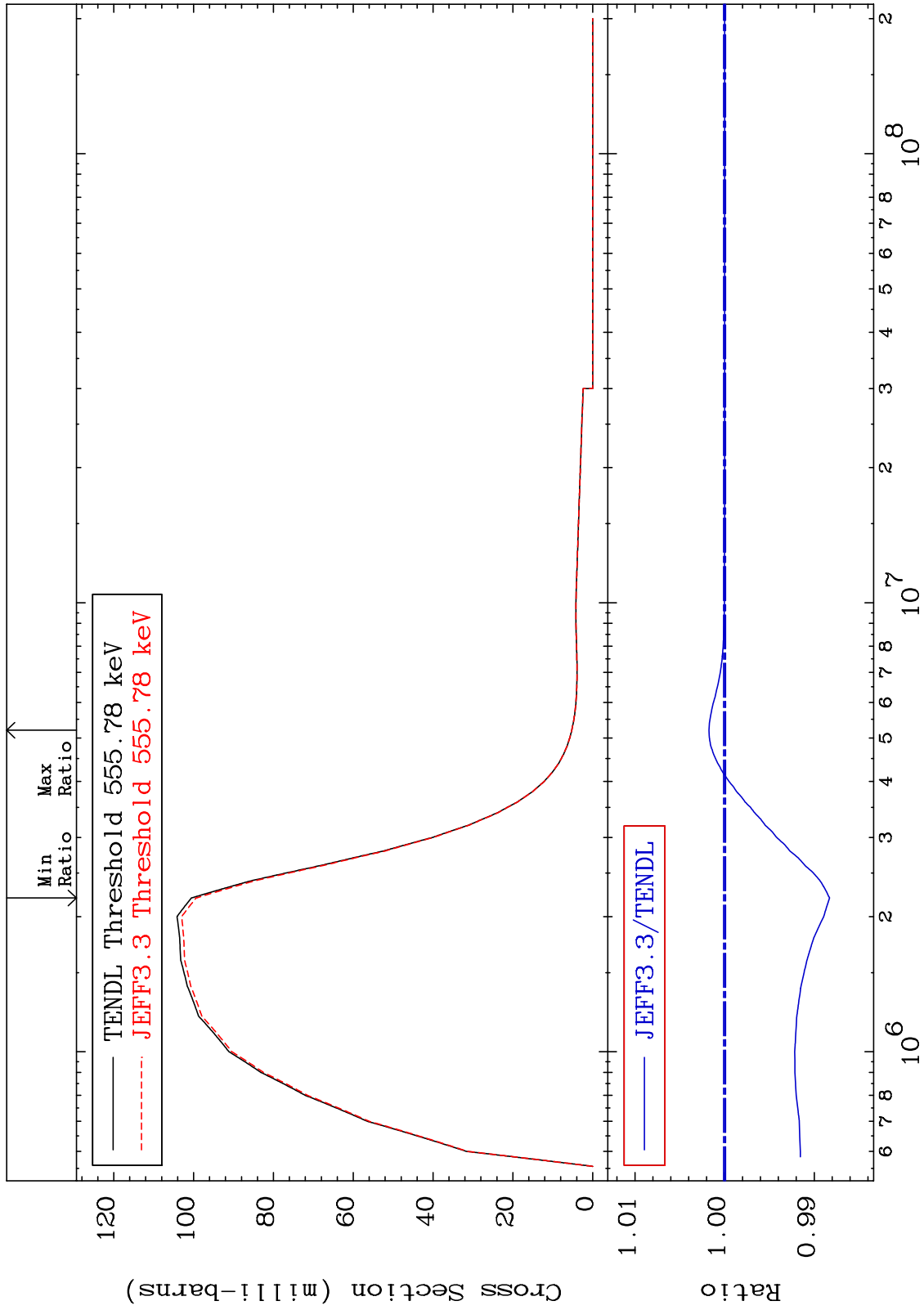


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Incident Energy (eV)

80-Hg-201

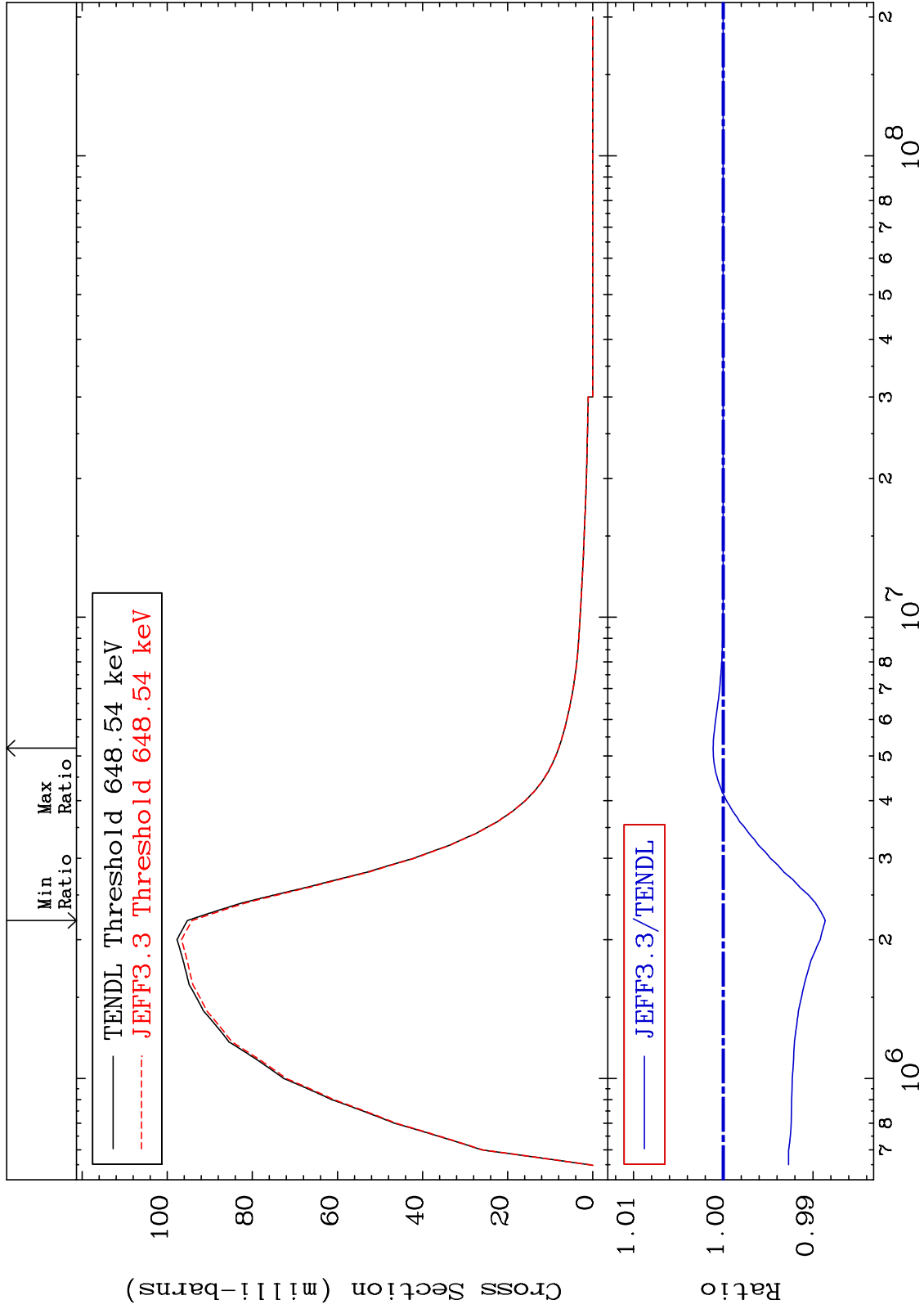
MAT 8040 MT= 60 (n,n') Level Cross Section -1.171 To 0.174 % 80-Hg-201



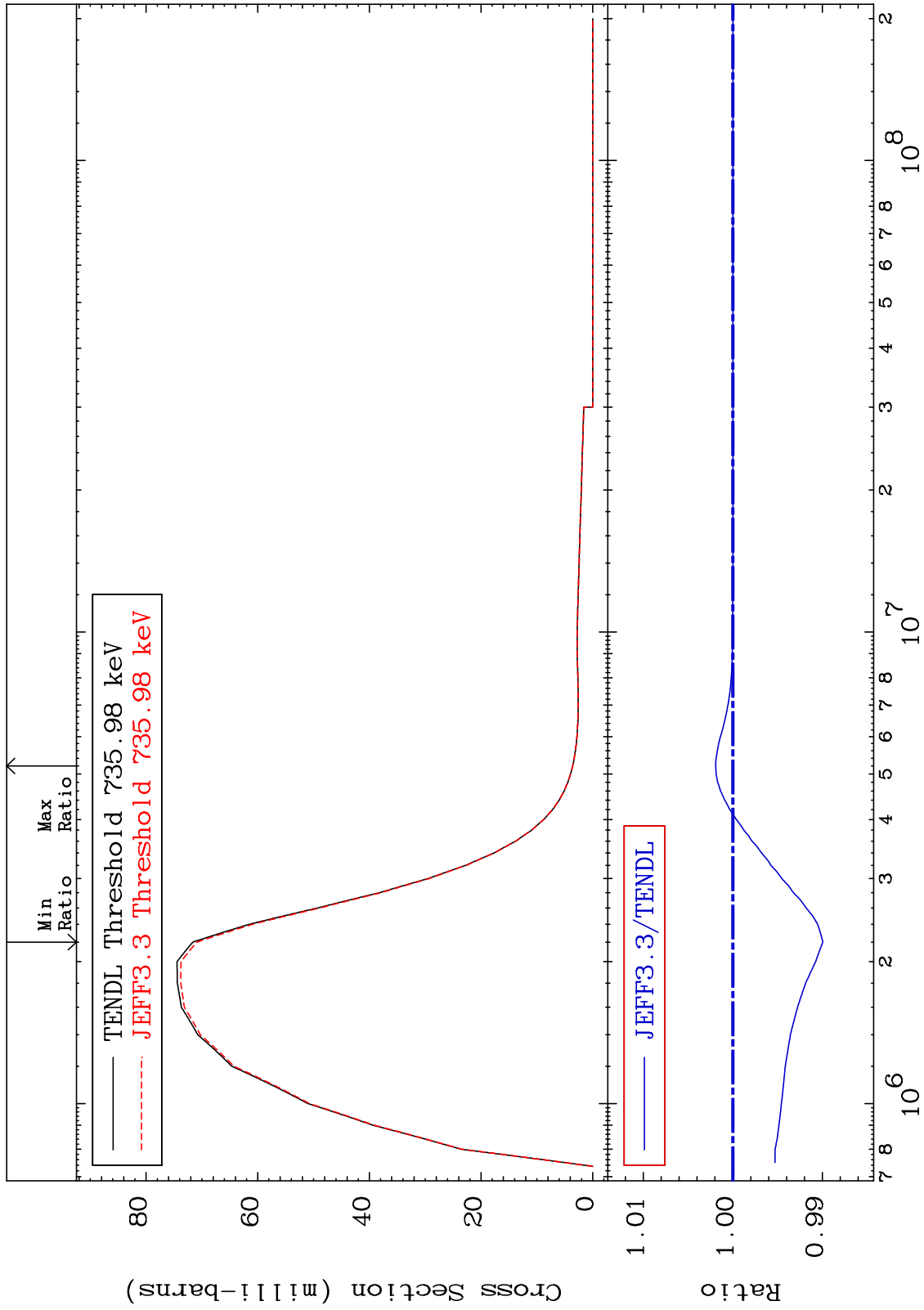
MAT 8040

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

80-Hg-201
-1.138 To 0.113 %



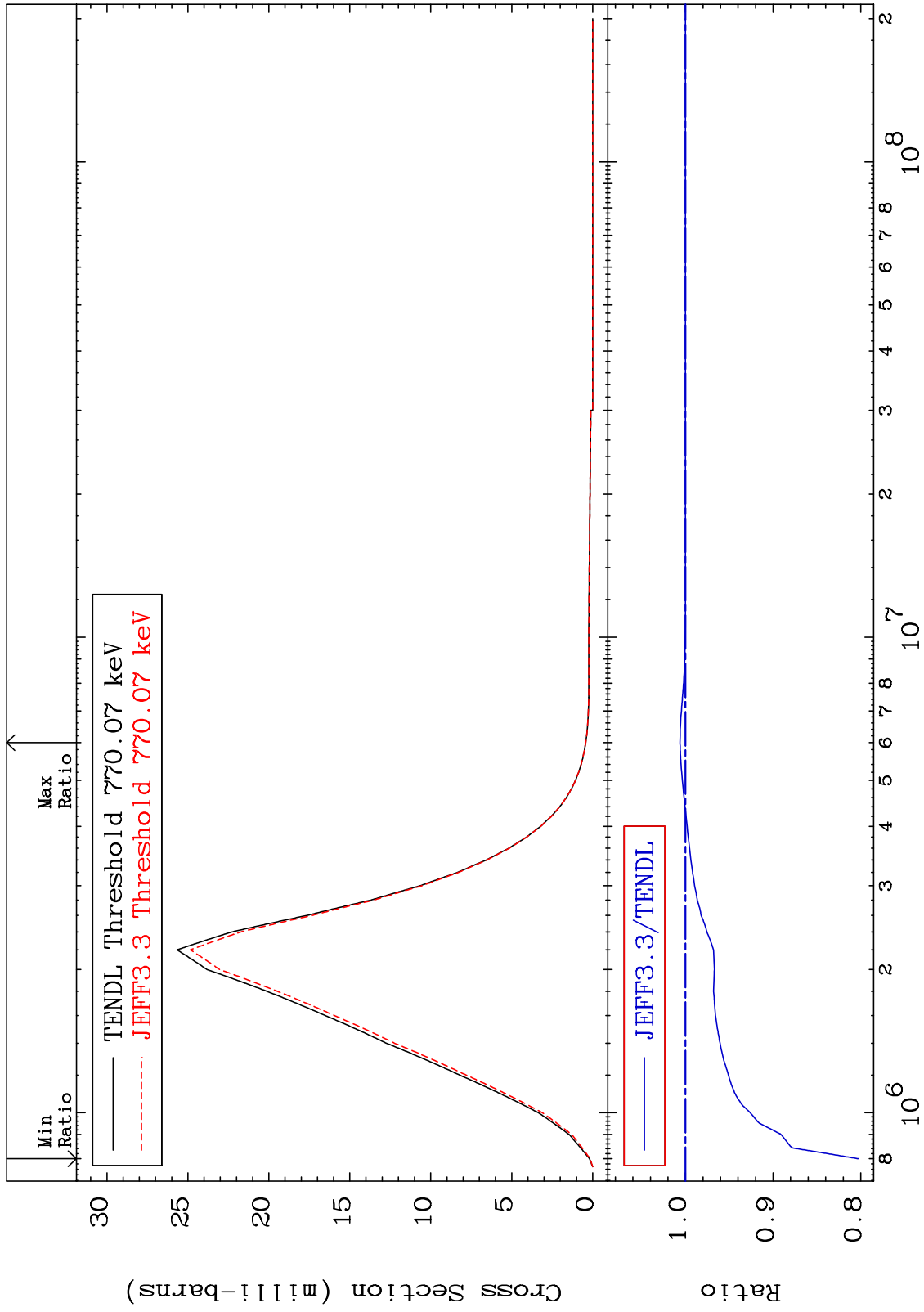
MAT 8040 MT= 62 (n,n') Level Cross Section 80-Hg-201 -1.004 To 0.193 %



30 Incident Energy (eV) 80-Hg-201

MAT 8040 MT= 63 (n,n') Level
Cross Section

80-Hg-201
-19.73 To 0.622 %



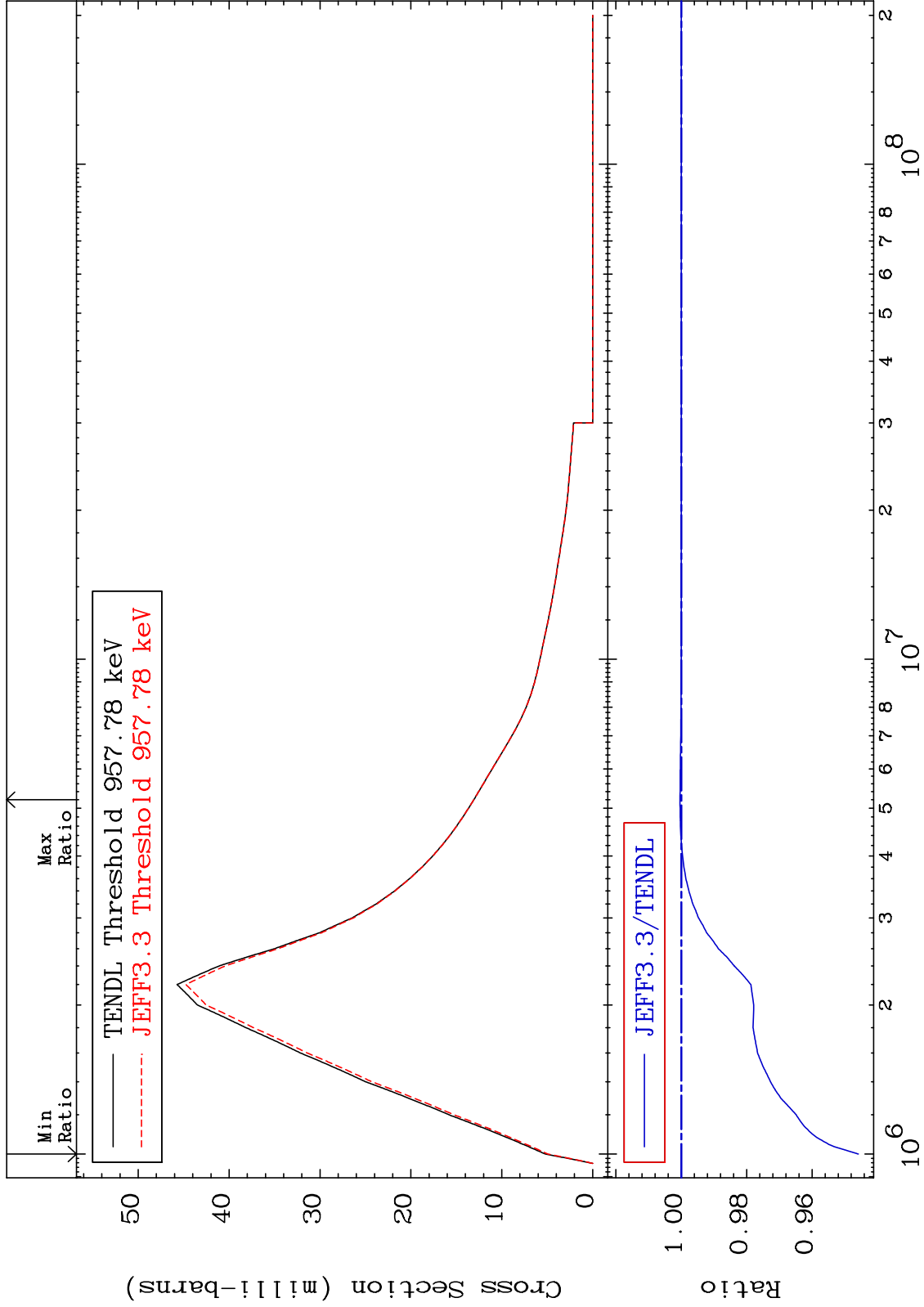
80-Hg-201

Incident Energy (eV)

MAT 8040

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

80-Hg-201
-5.418 To 0.039 %



Incident Energy (eV)

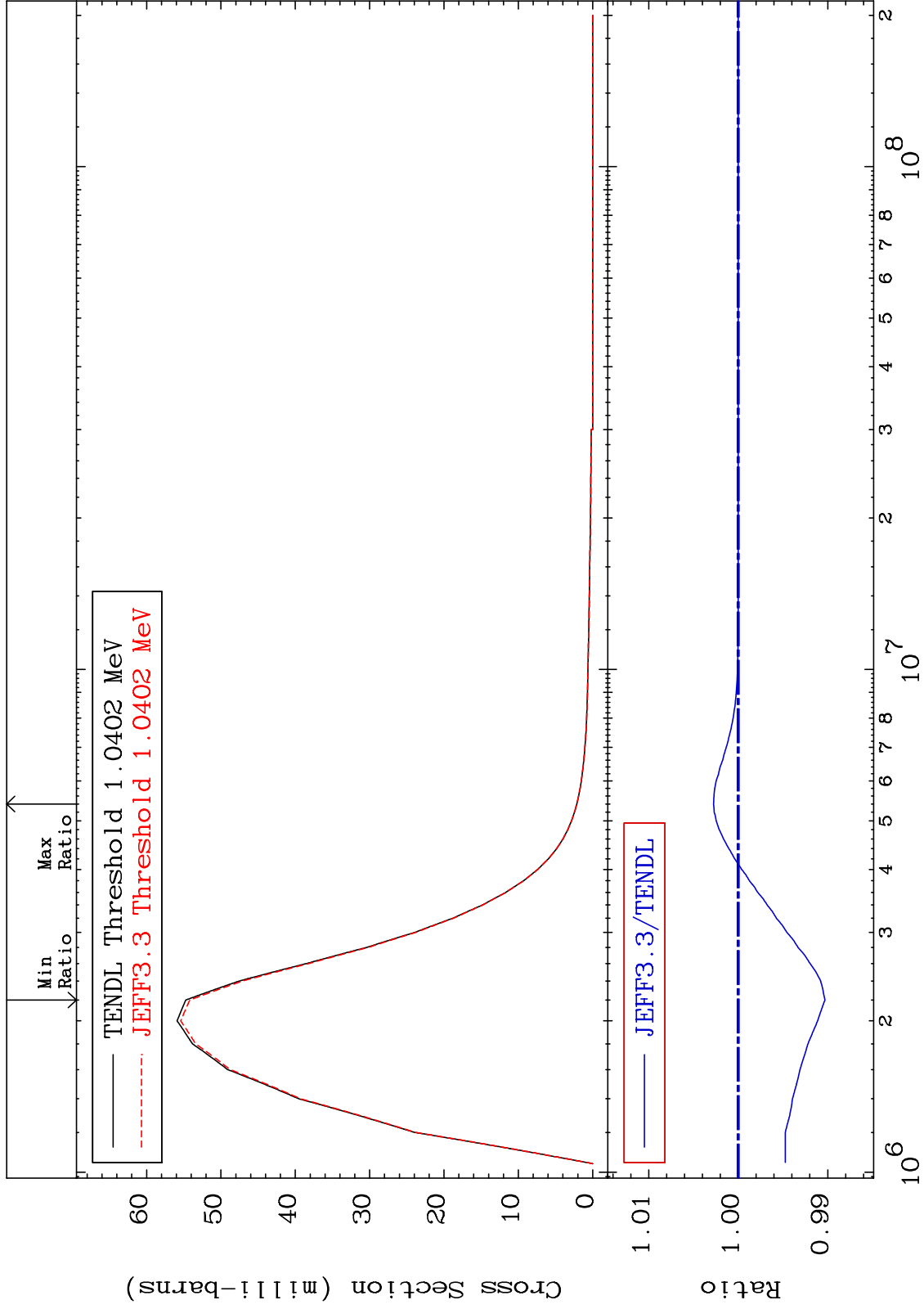
80-Hg-201

32

MAT 8040

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

80-Hg-201
-0.968 To 0.276 %



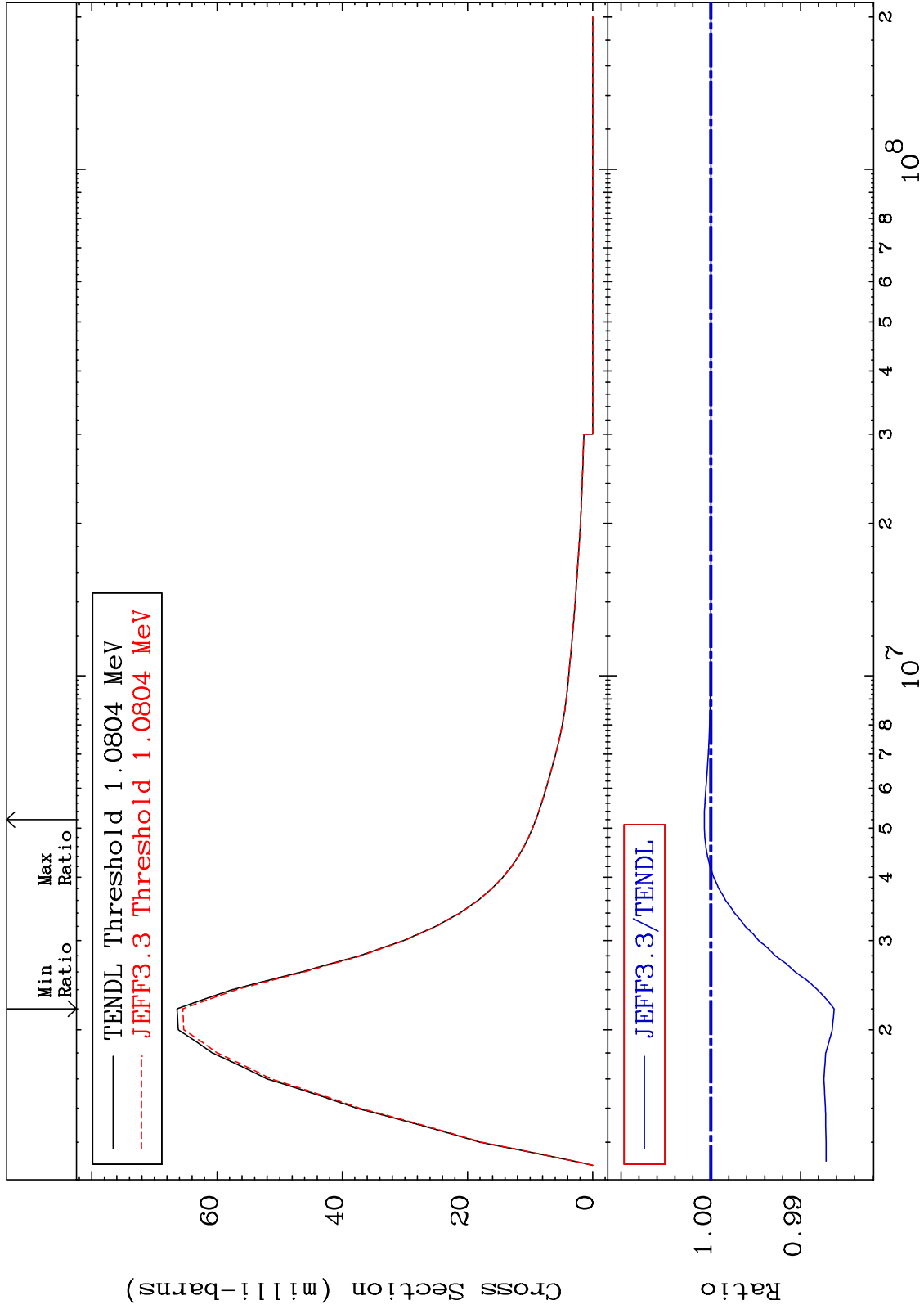
Incident Energy (eV)

80-Hg-201

MAT 8040

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

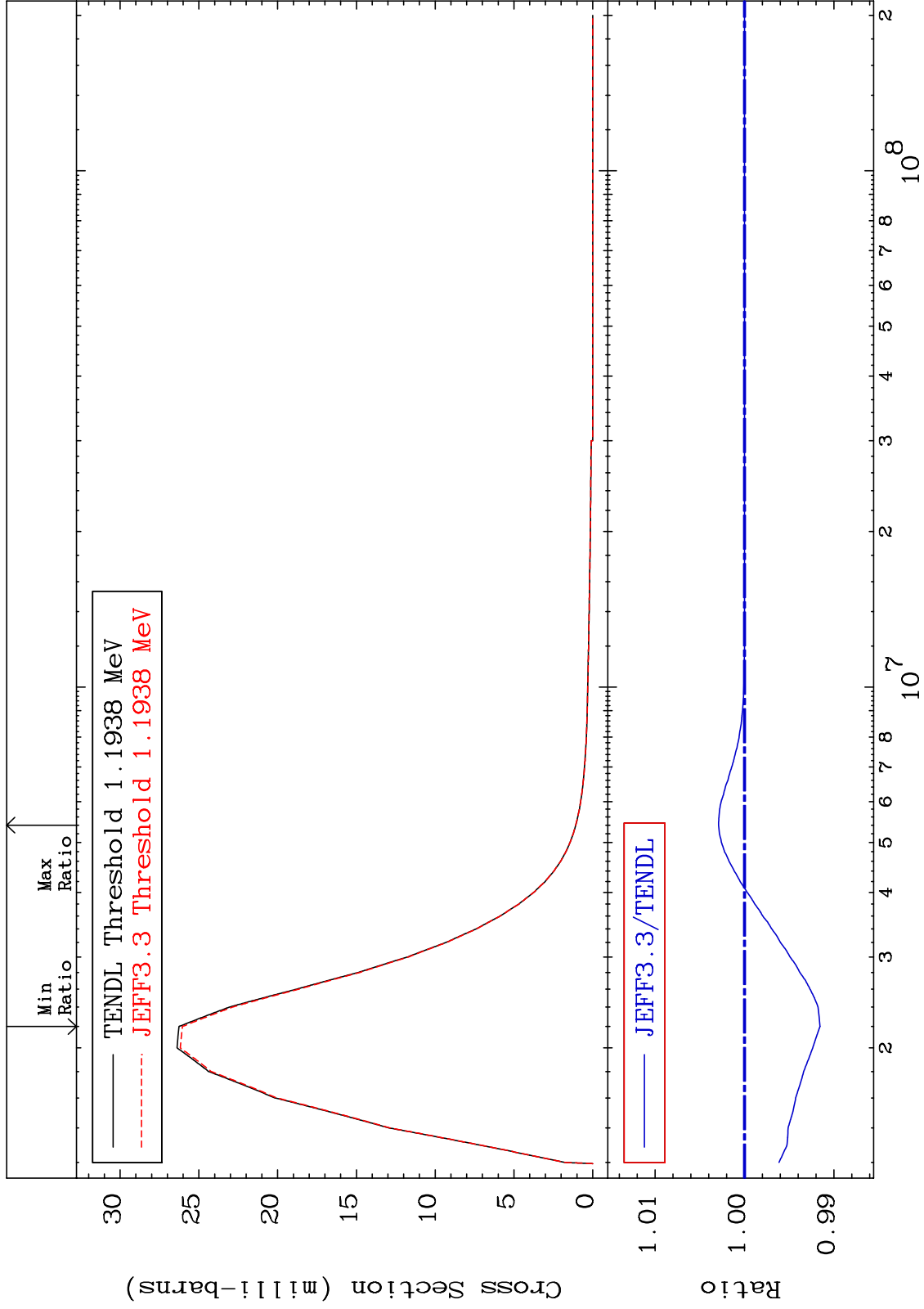
80-Hg-201
-1.374 To 0.073 %



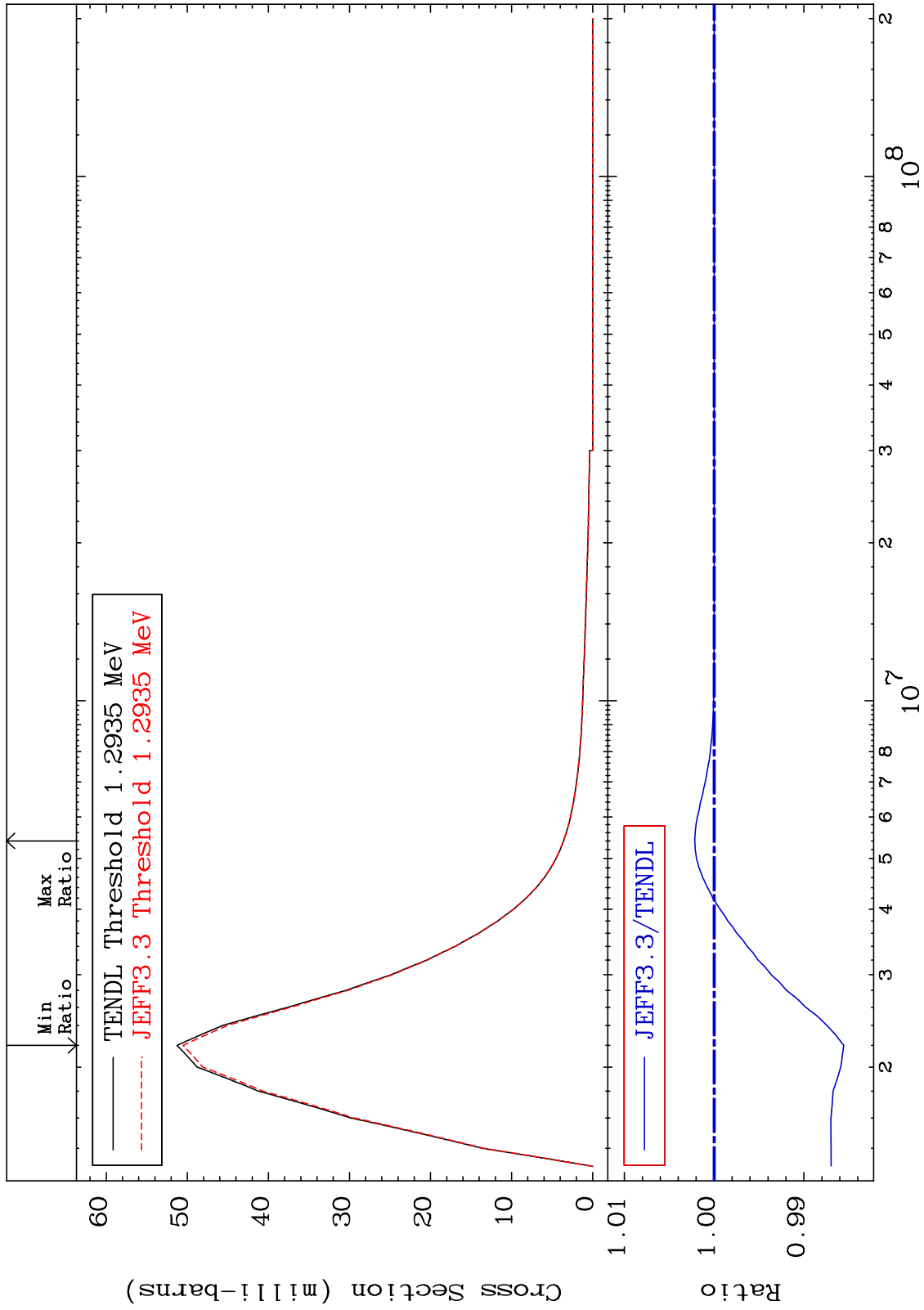
MAT 8040

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

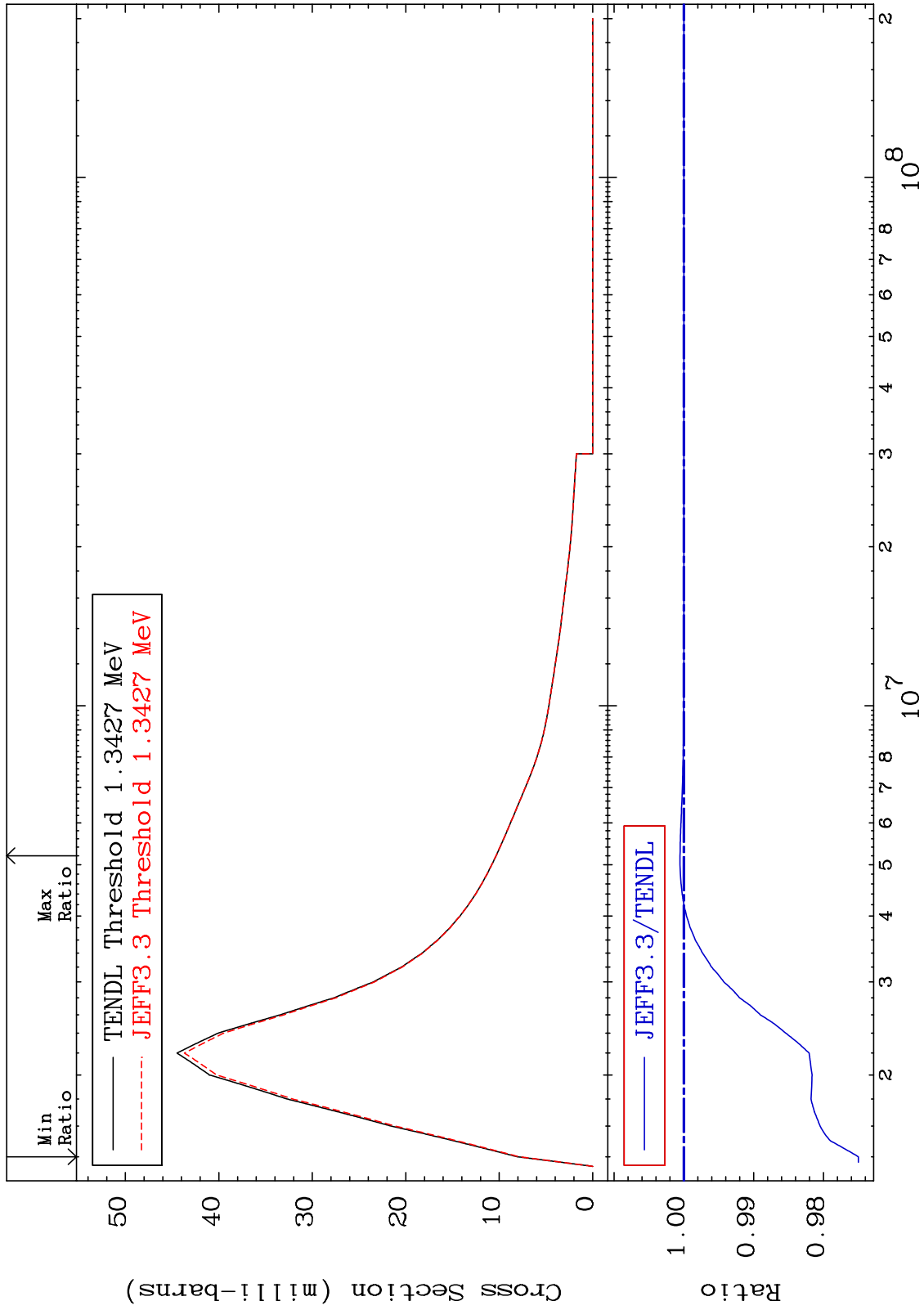
80-Hg-201
-0.842 To 0.292 %



MAT 8040 MT= 68 (n,n') Level Cross Section 80-Hg-201
 -1.444 To 0.217 %

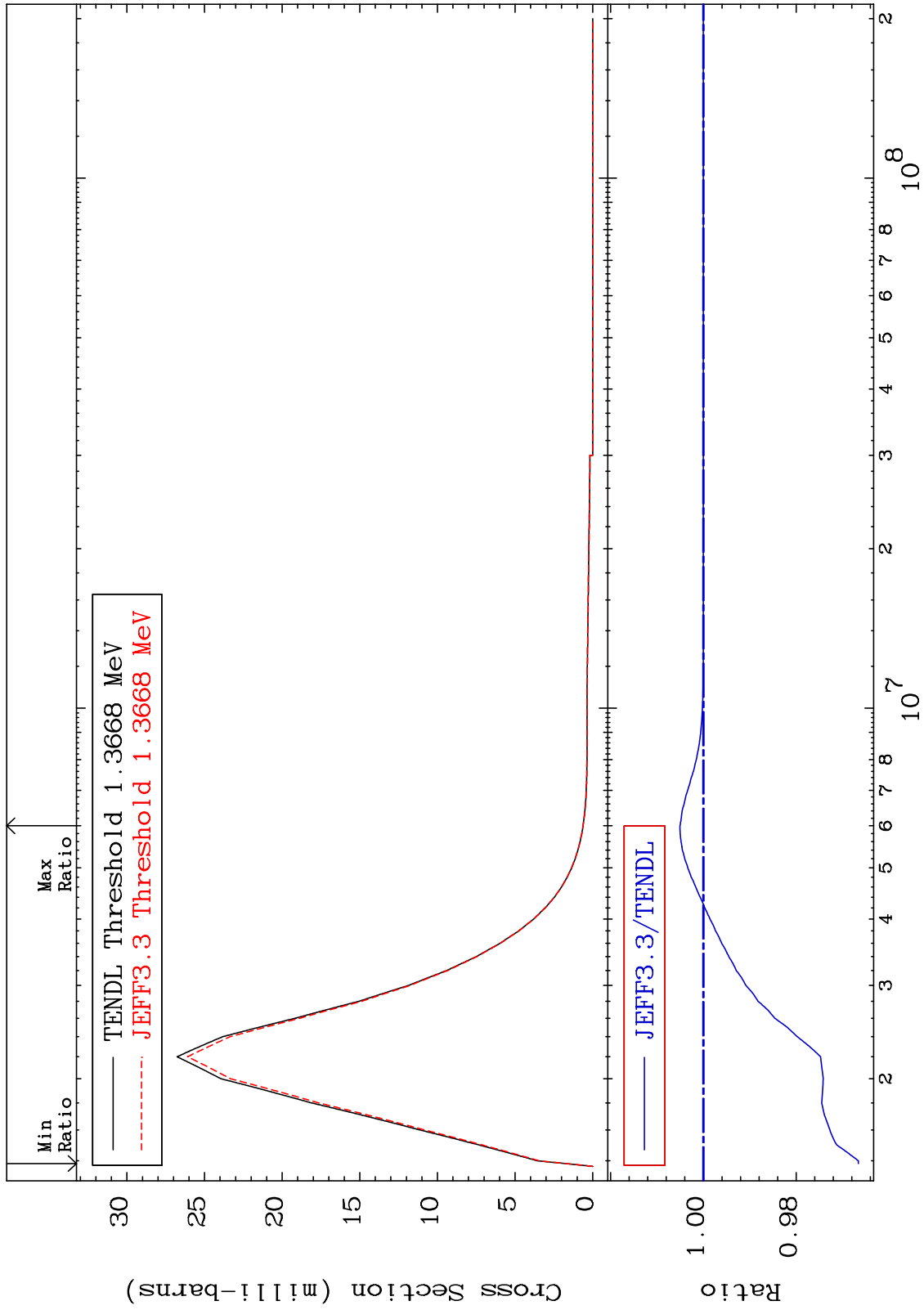


MAT 8040 MT= 69 (n,n') Level Cross Section 80-Hg-201 -2.500 To 0.055 %

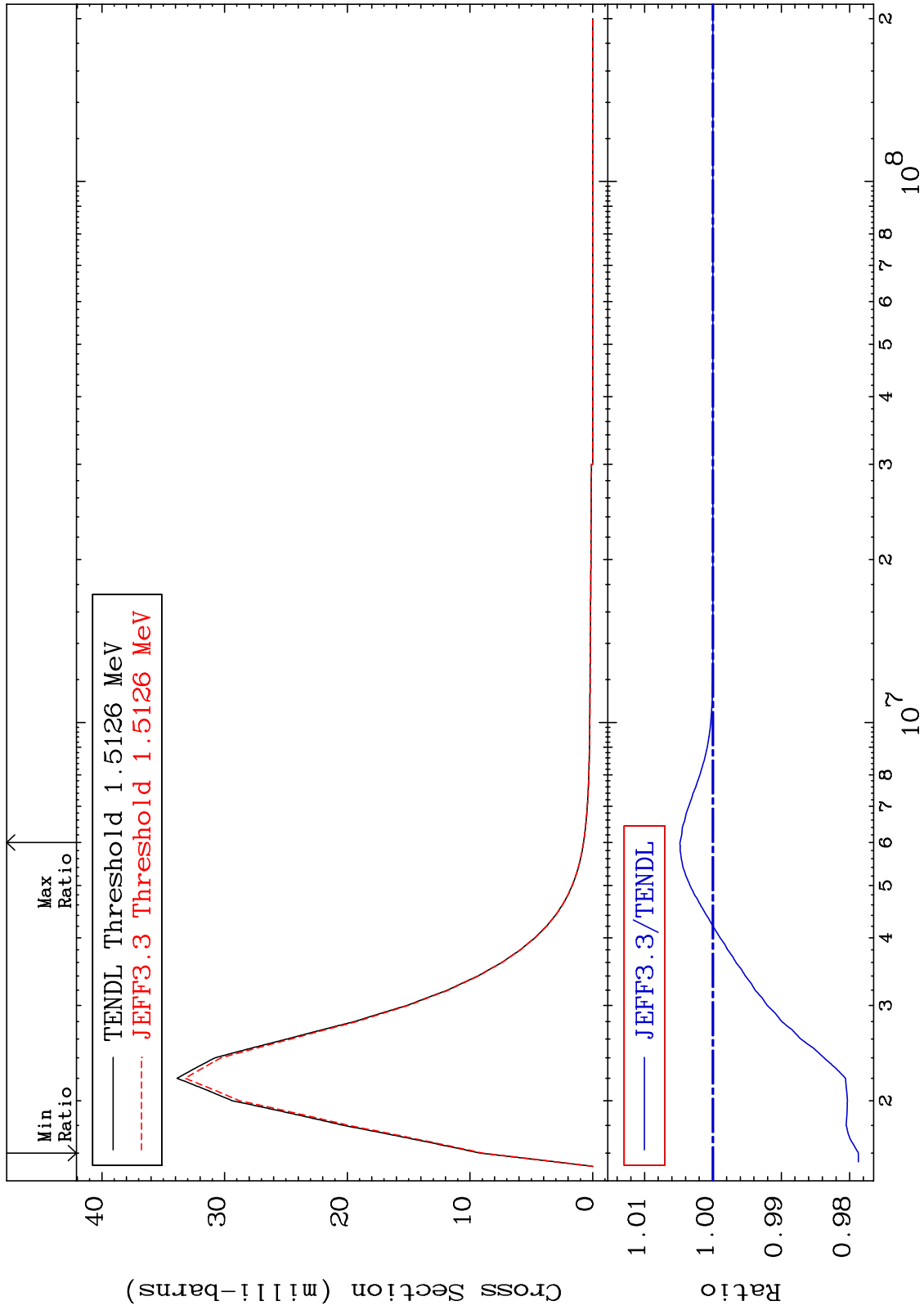


Incident Energy (eV) 80-Hg-201

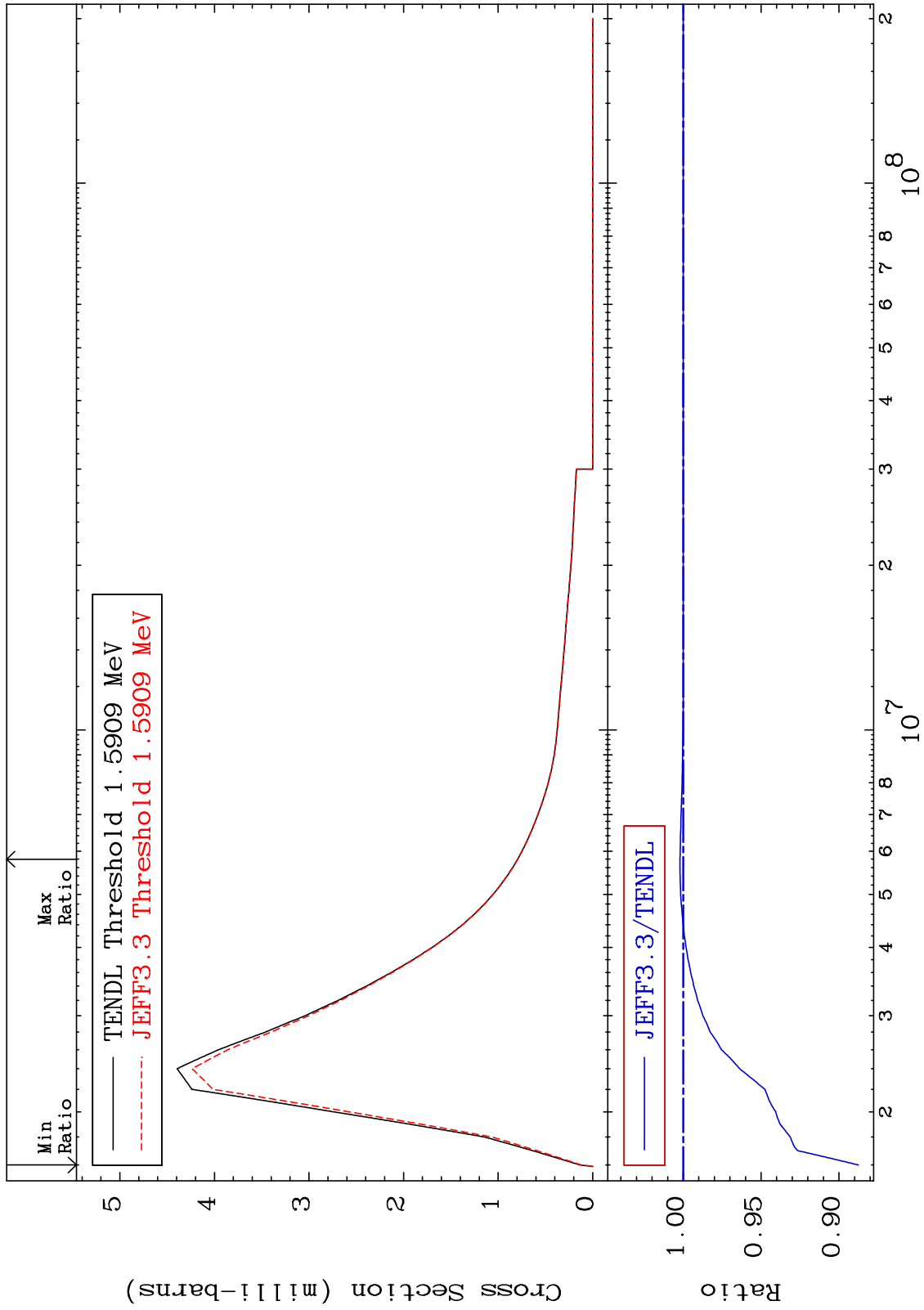
MAT 8040 MT= 70 (n,n') Level Cross Section 80-Hg-201
 -3.341 To 0.504 %



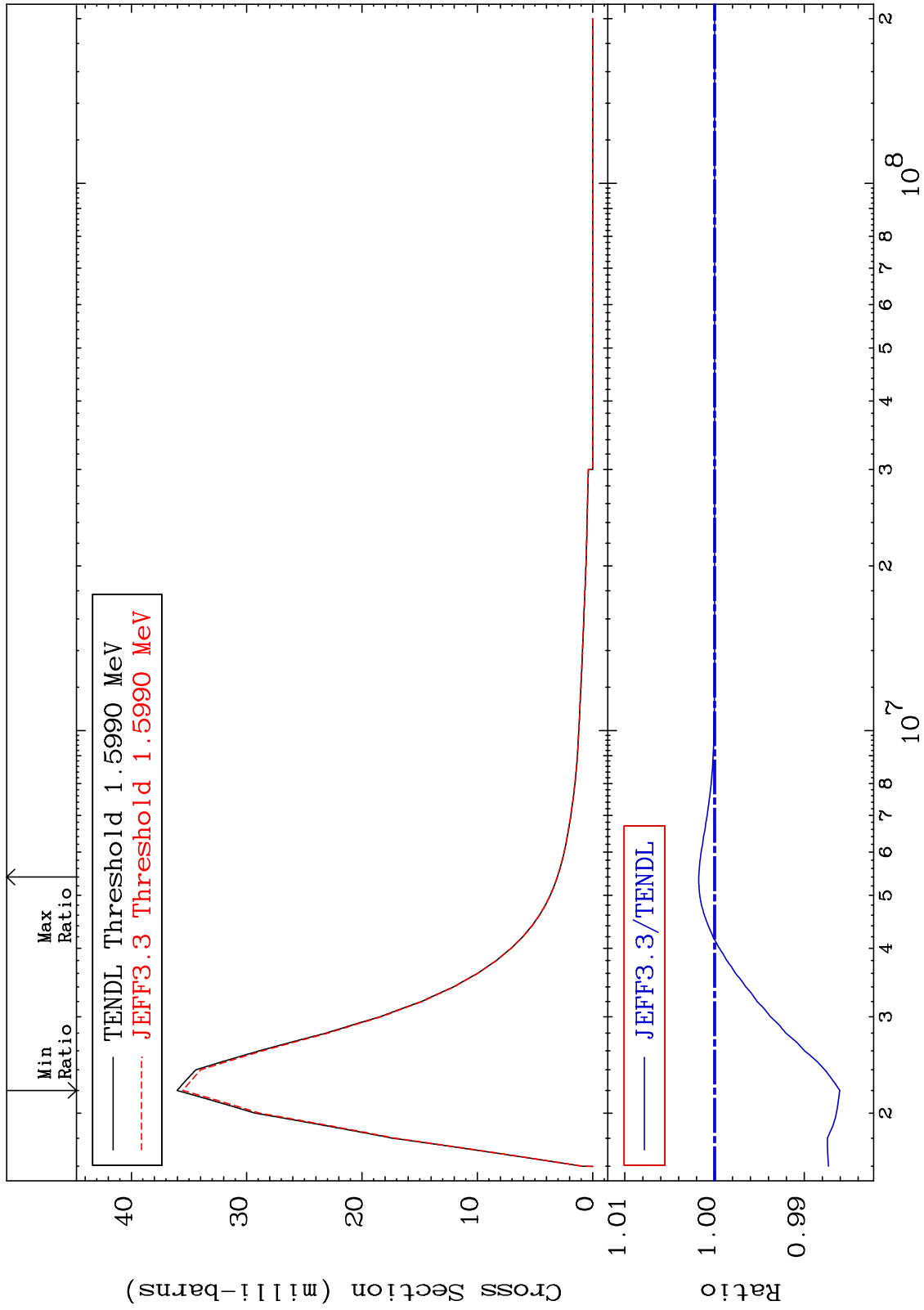
MAT 8040 MT= 71 (n,n') Level
Cross Section 80-Hg-201
-2.127 To 0.481 %



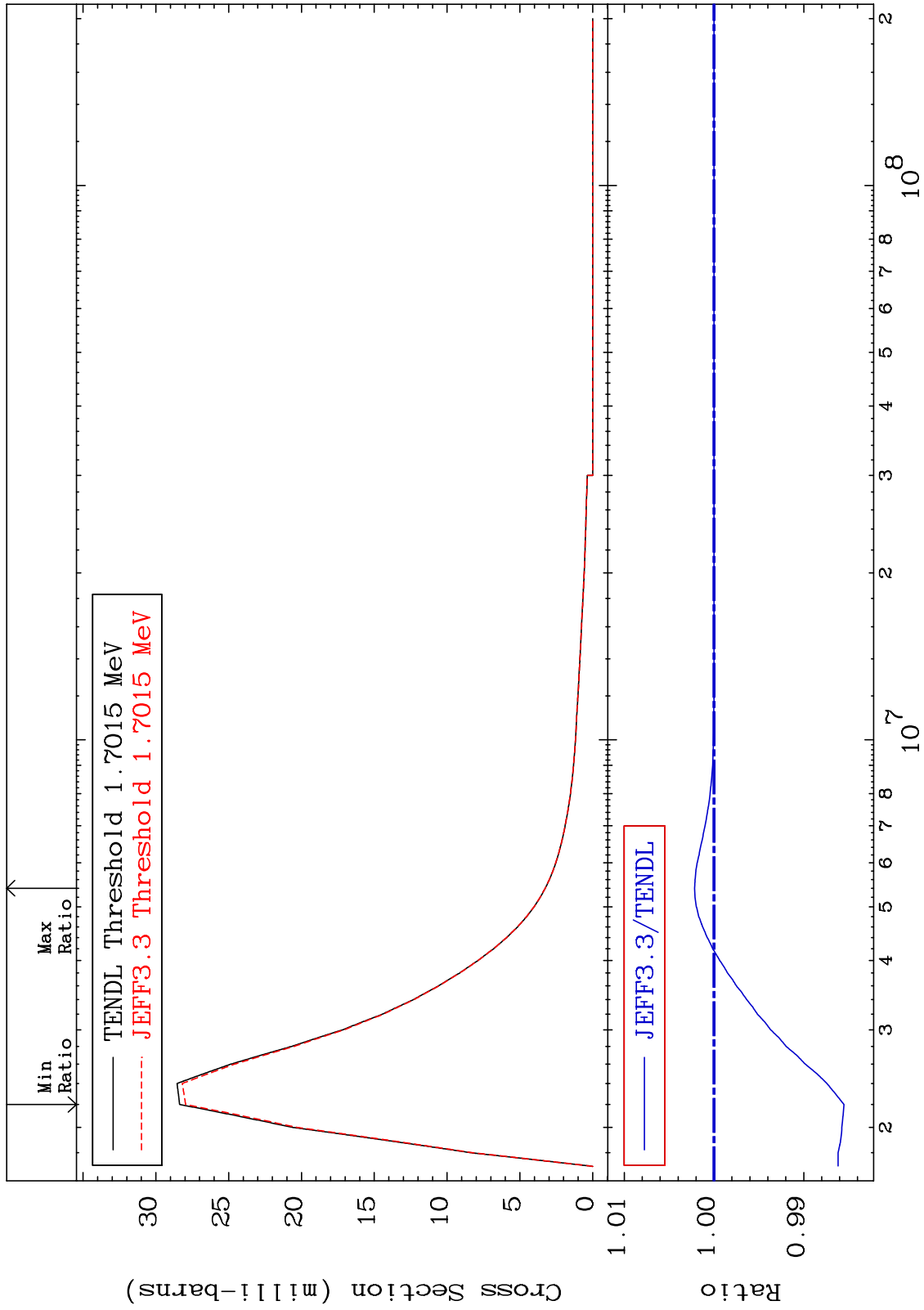
MAT 8040 MT= 72 (n,n') Level
Cross Section 80-Hg-201
-11.25 To 0.205 %



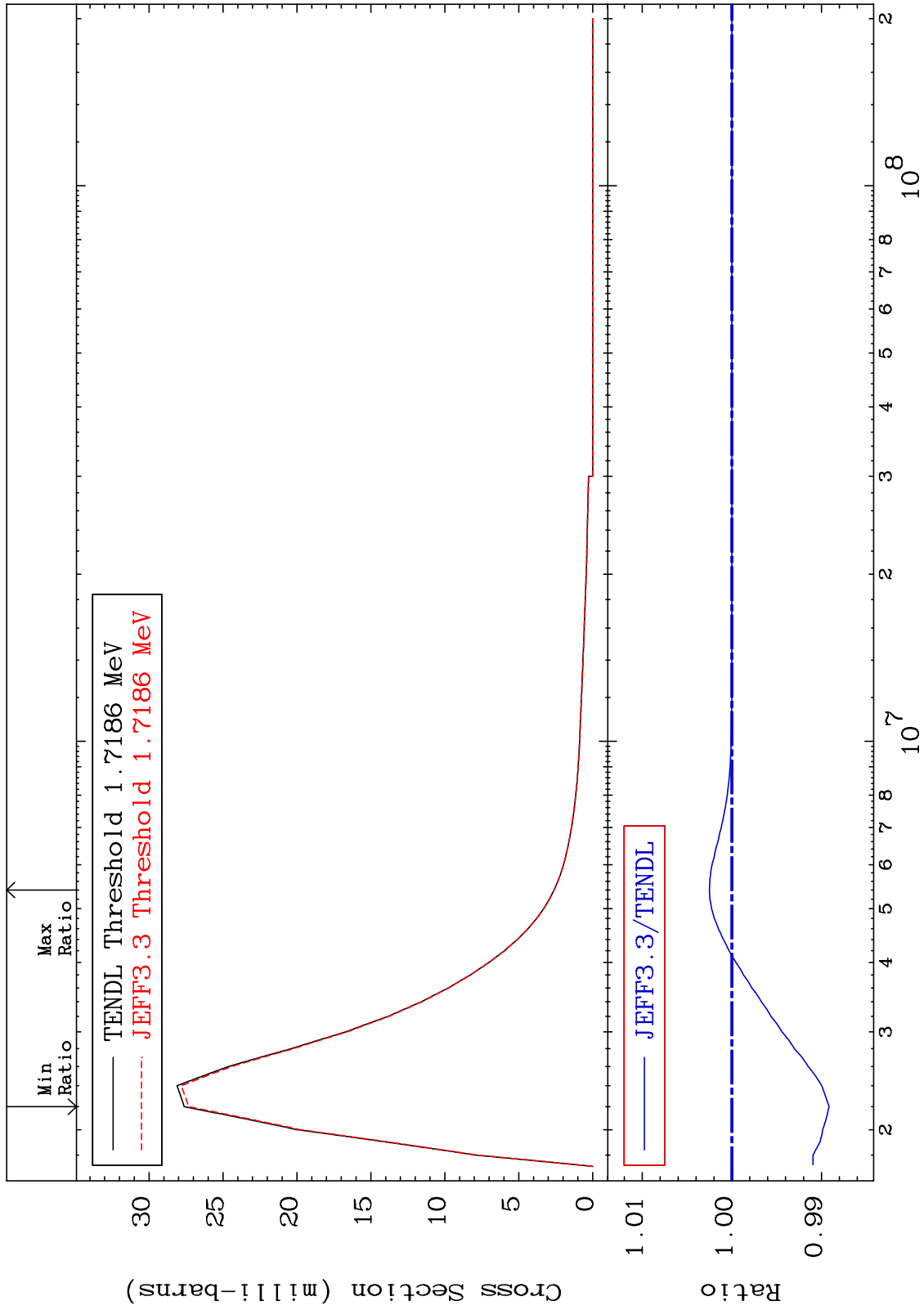
MAT 8040 MT= 73 (n,n') Level Cross Section 80-Hg-201
 -1.395 To 0.177 %



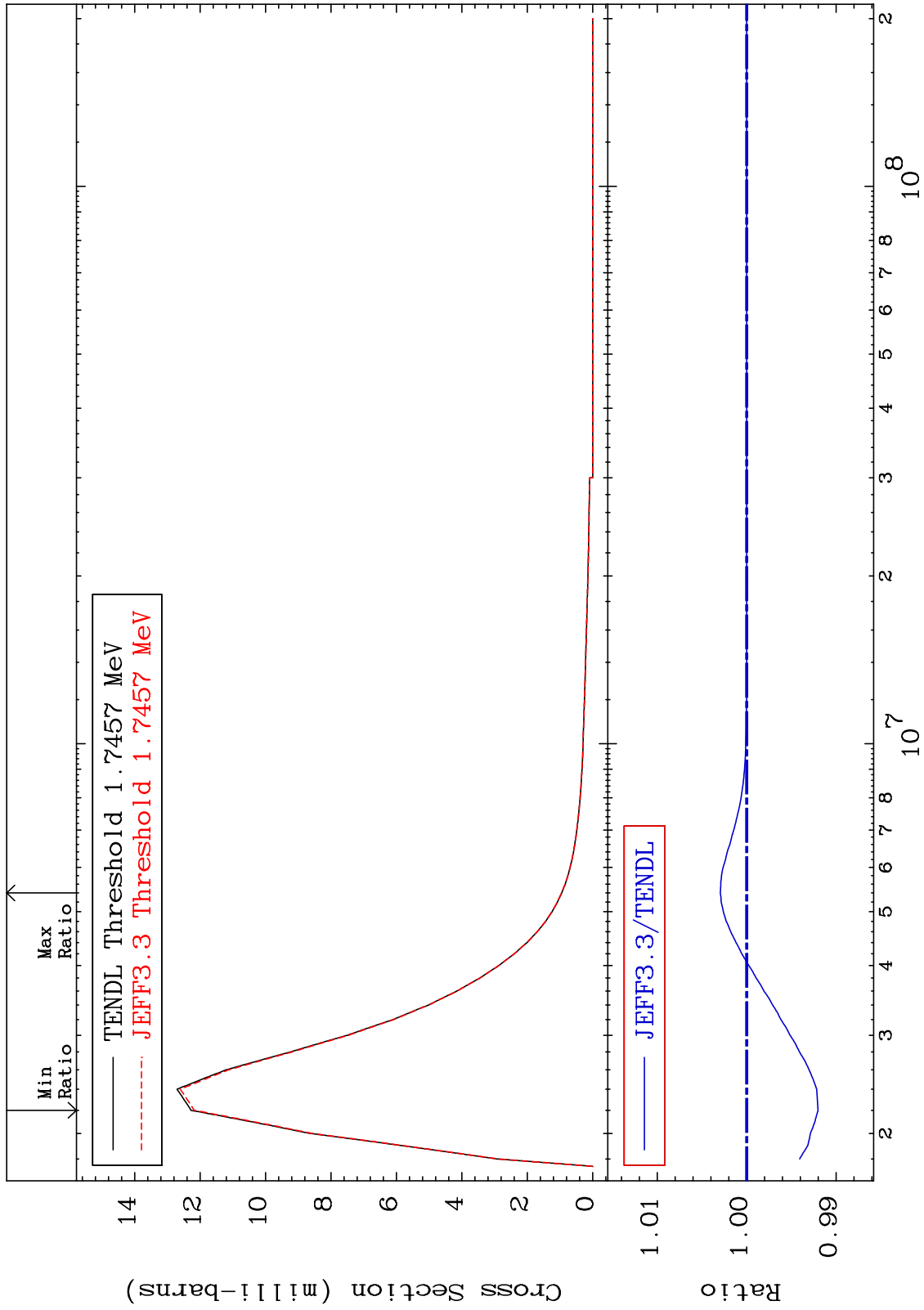
MAT 8040 MT= 74 (n,n') Level Cross Section 80-Hg-201
 -1.447 To 0.217 %



MAT 8040 MT= 75 (n,n') Level Cross Section 80-Hg-201
 -1.085 To 0.251 %



MAT 8040 MT= 76 (n,n') Level Cross Section 80-Hg-201
 -0.798 To 0.294 %



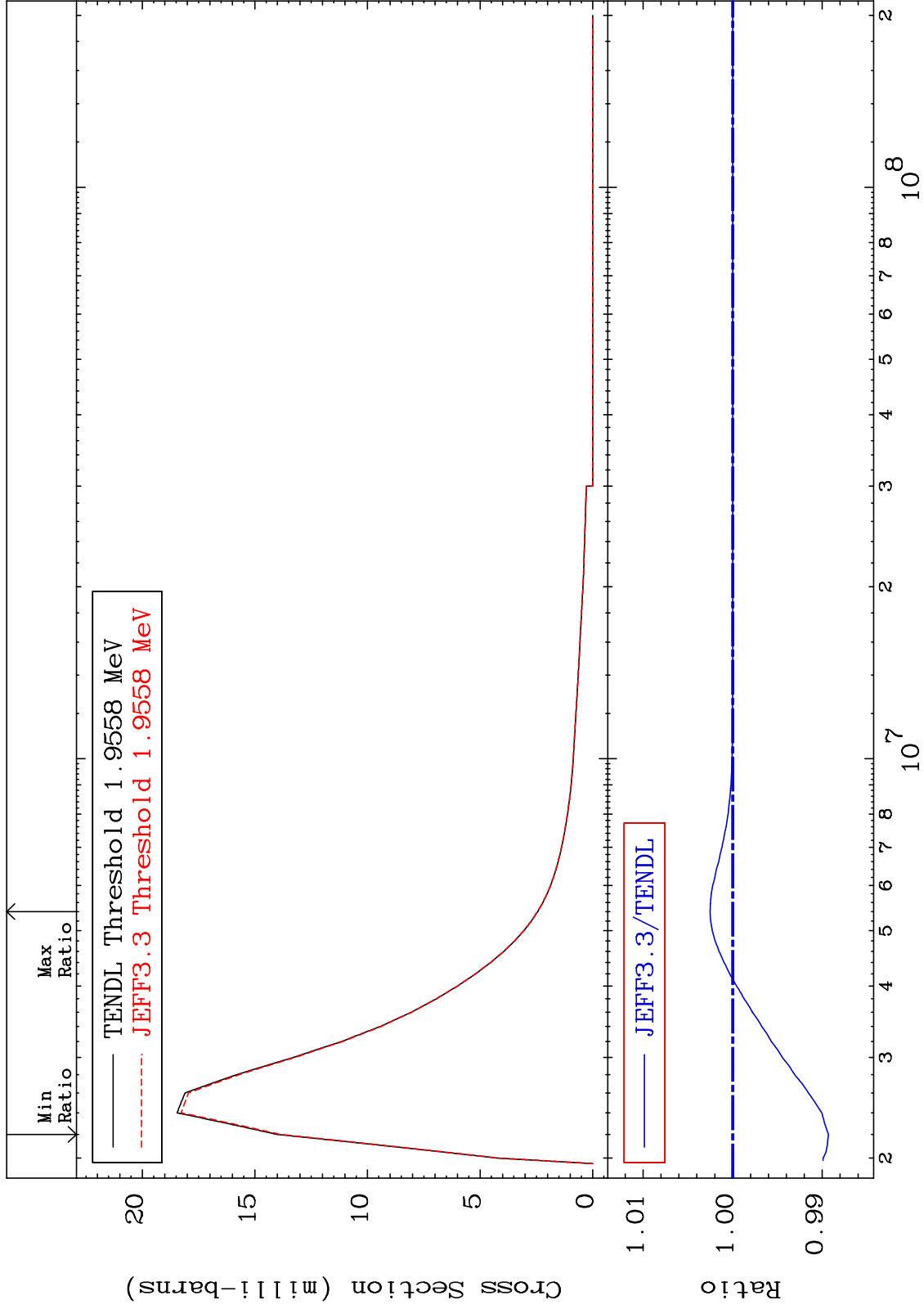
80-Hg-201

Incident Energy (eV)

MAT 8040

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

80-Hg-201
-1.069 To 0.253 %



45

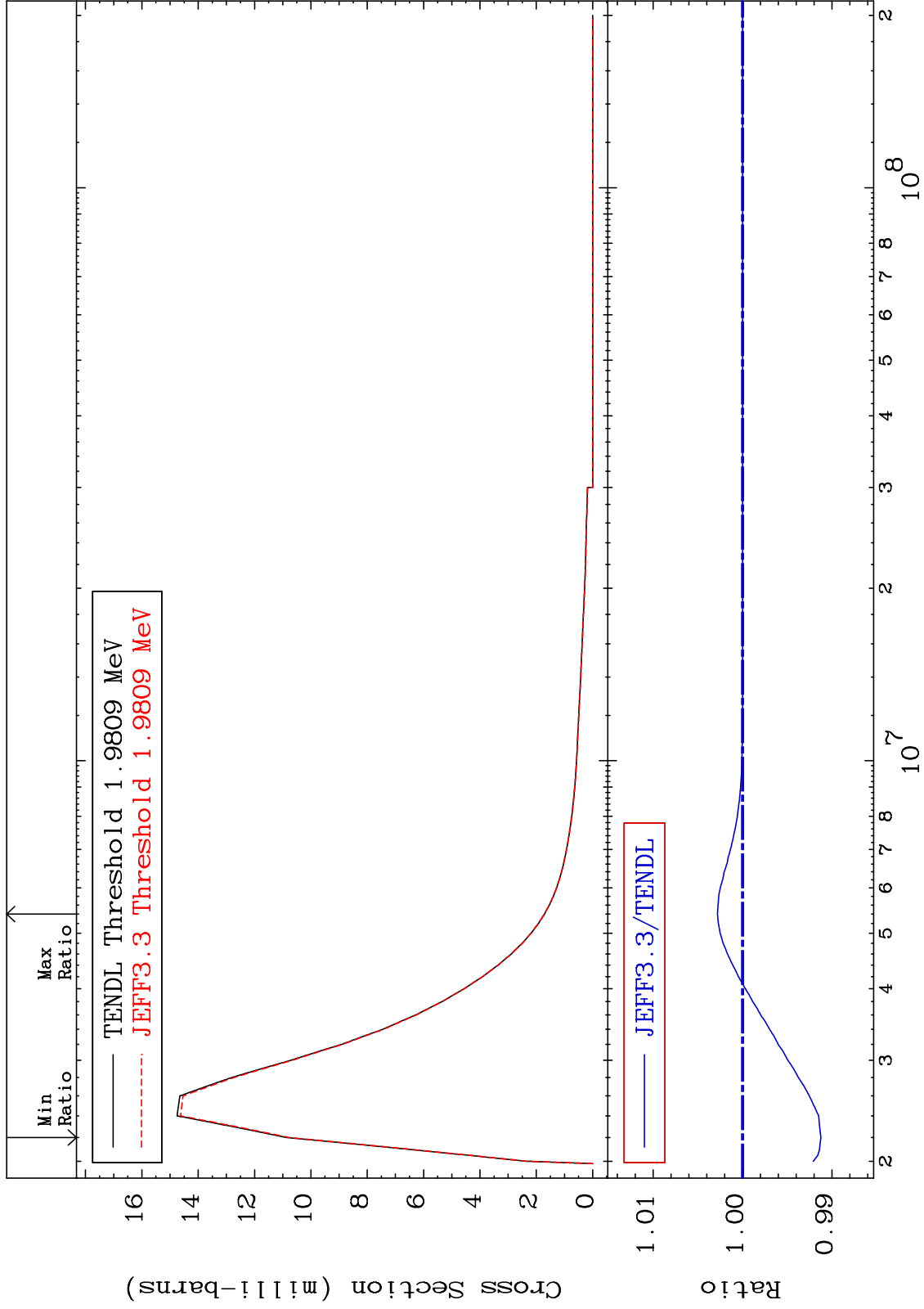
Incident Energy (eV)

80-Hg-201

MAT 8040

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

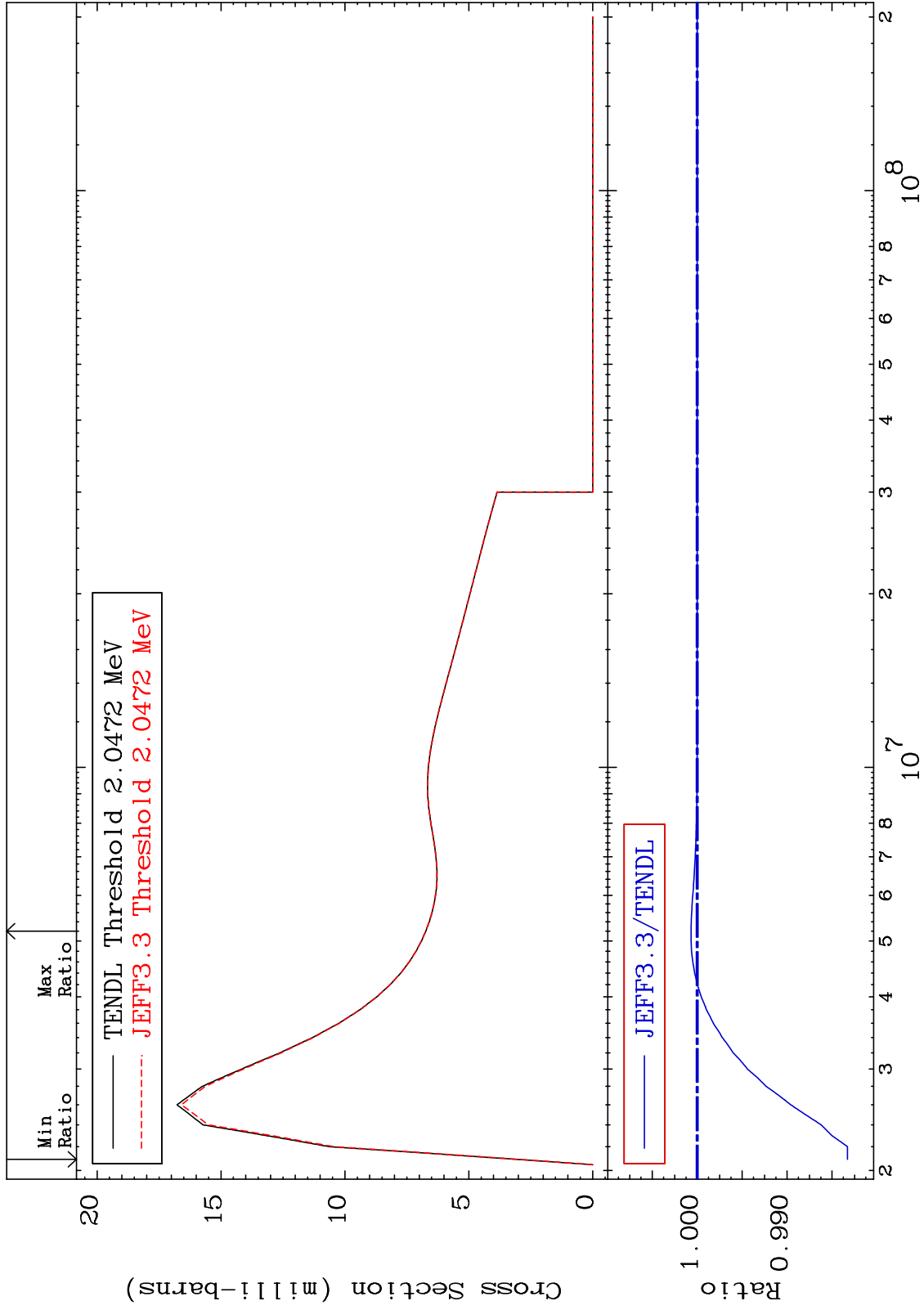
80-Hg-201
-0.875 To 0.280 %



MAT 8040

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

80-Hg-201
-1.671 To 0.069 %

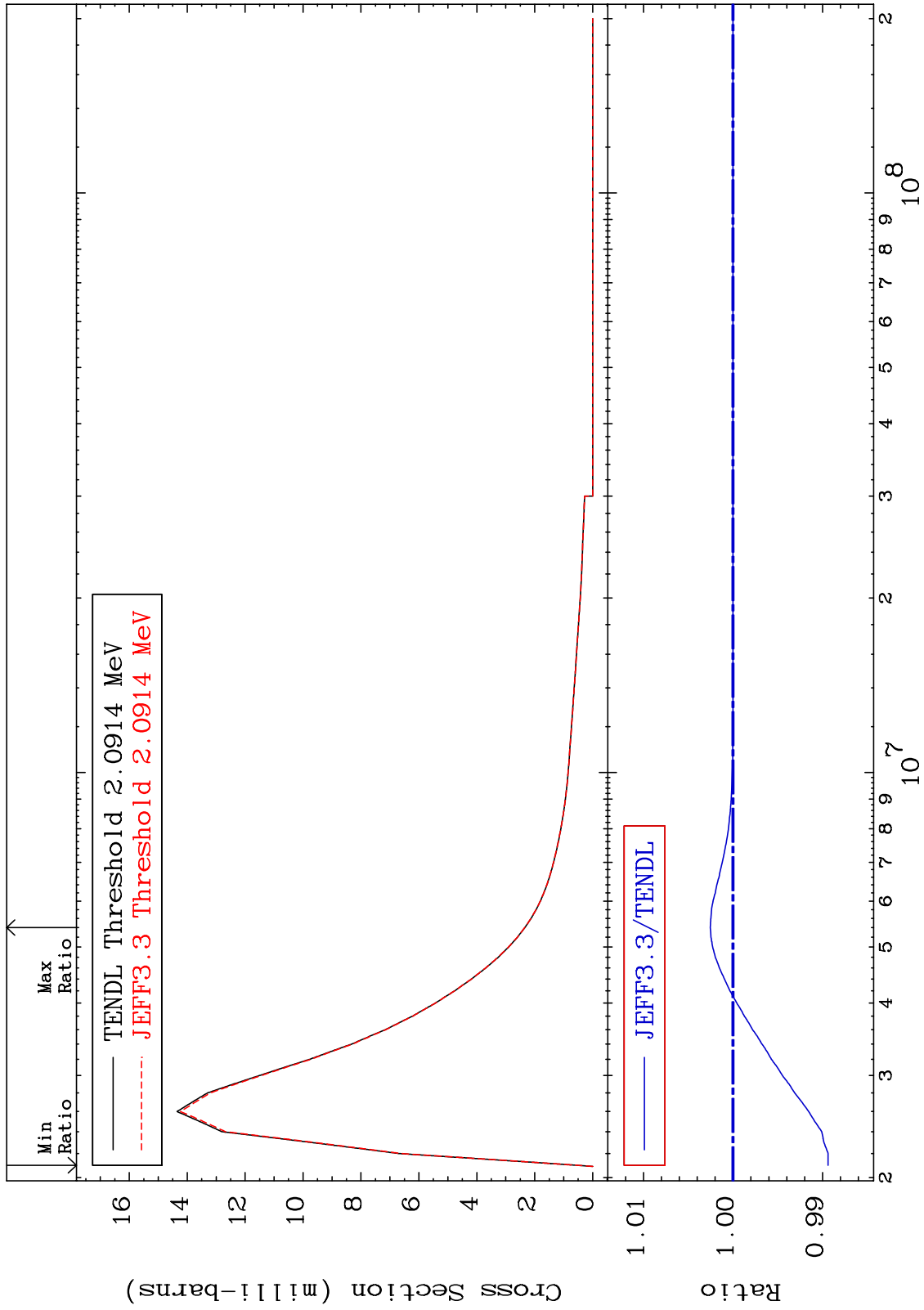


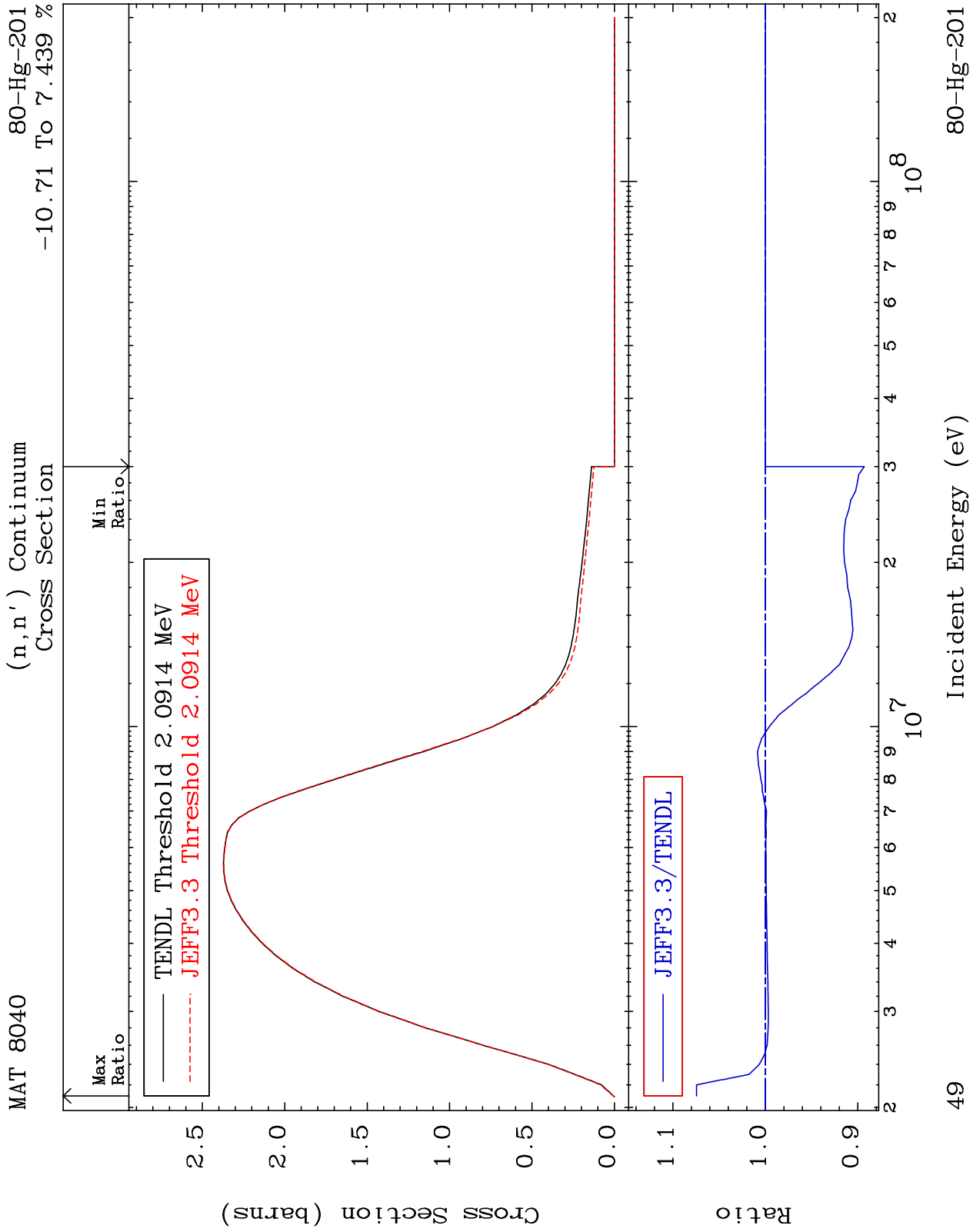
47

Incident Energy (eV)

80-Hg-201

MAT 8040 MT= 80 (n, n') Level
 Cross Section 80-Hg-201
 -1.062 To 0.253 %

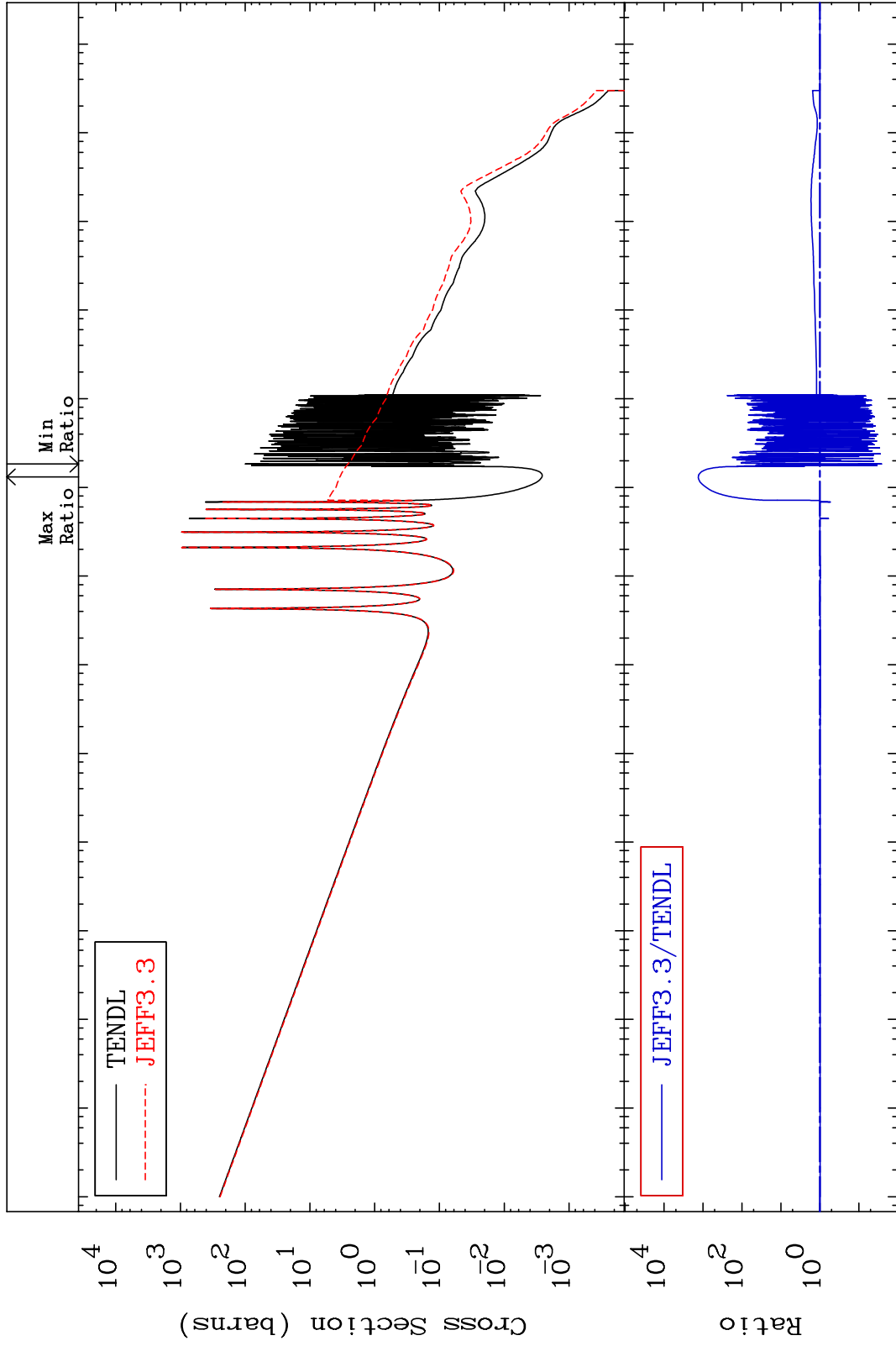




MAT 8040

(n, γ)
Cross Section

80-Hg-201
-97.40 To 9999. %



50

Incident Energy (eV)

80-Hg-201

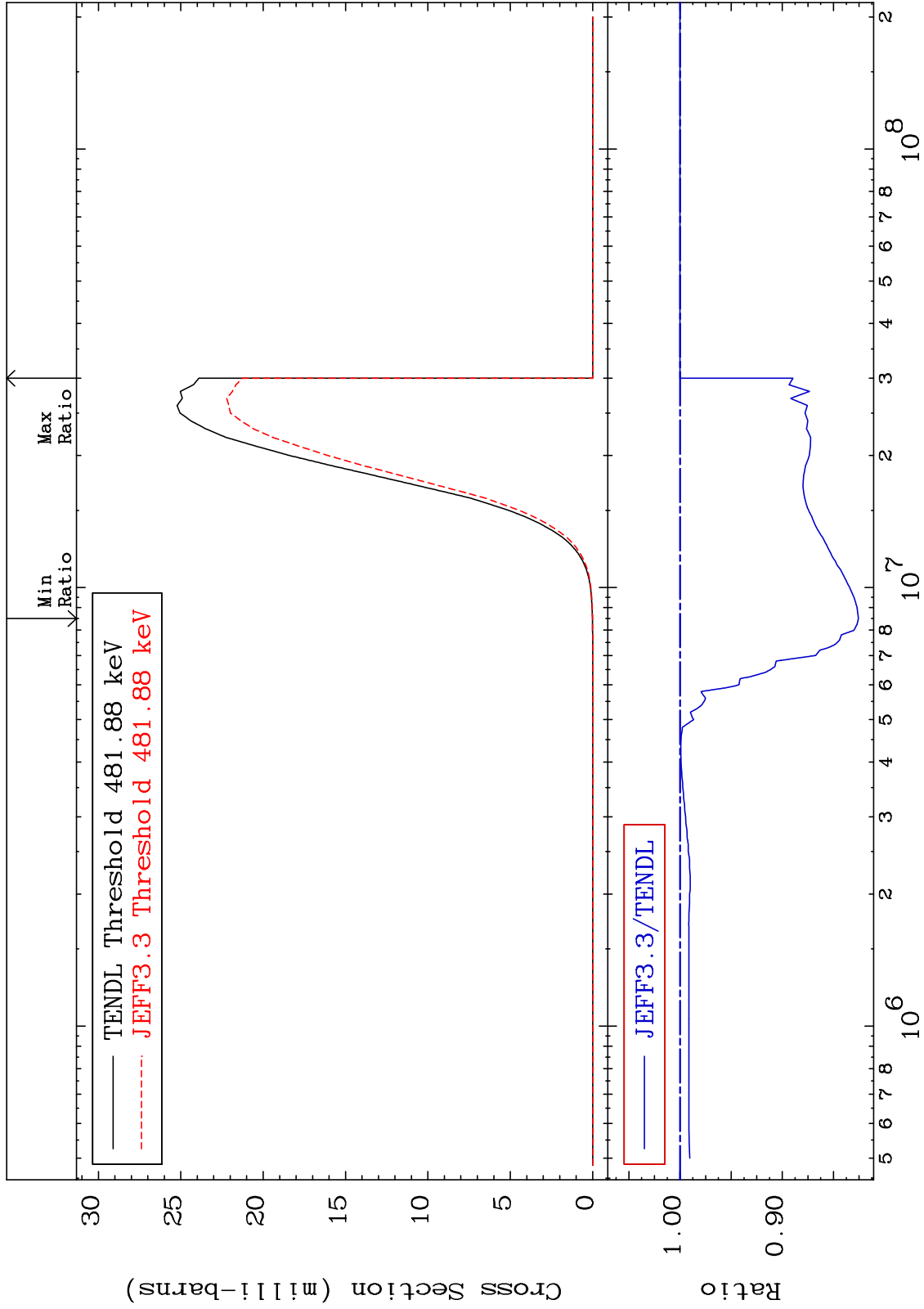
MAT 8040

(n, p)

80-Hg-201

Cross Section

-17.43 To 0.000 %



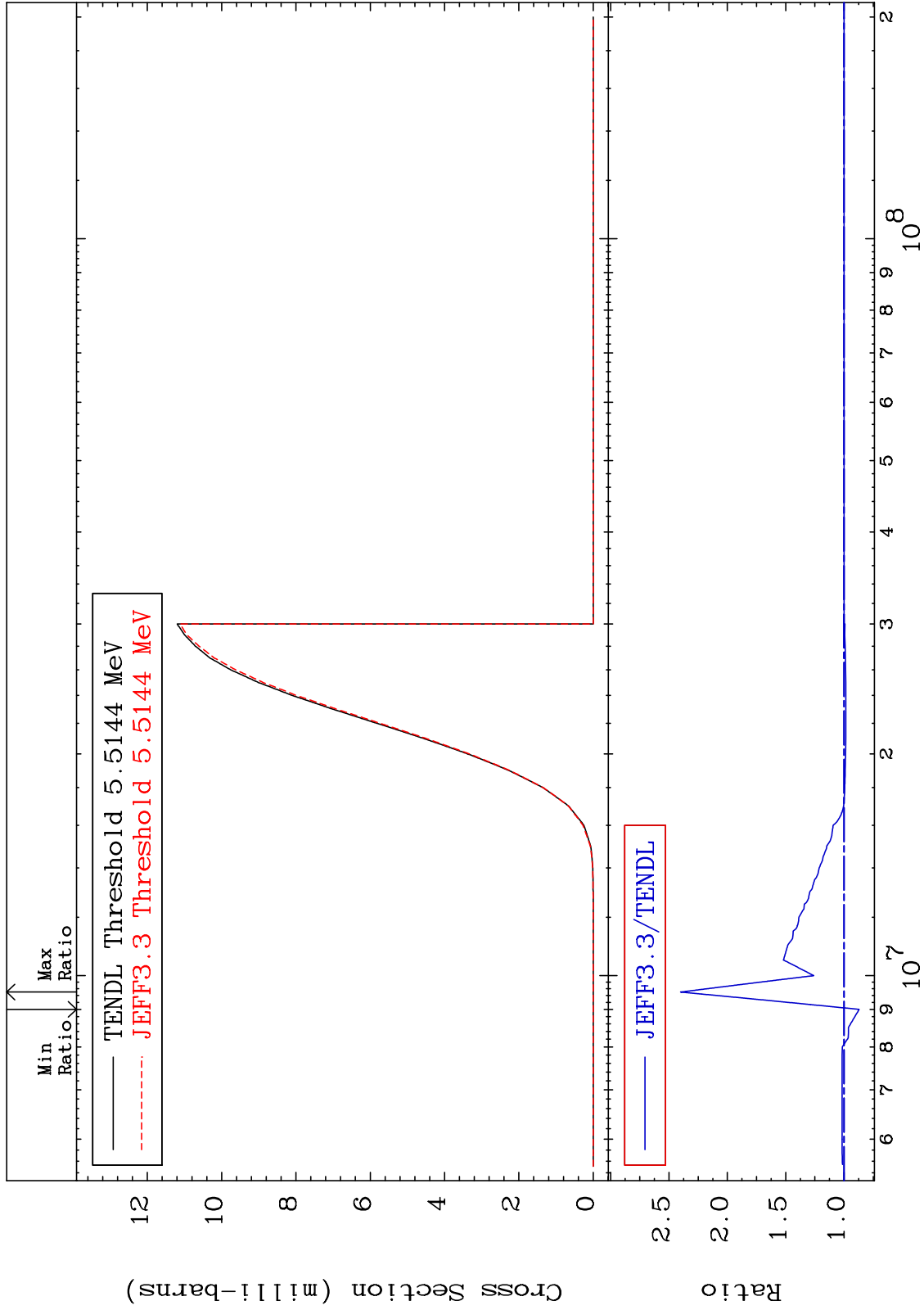
MAT 8040

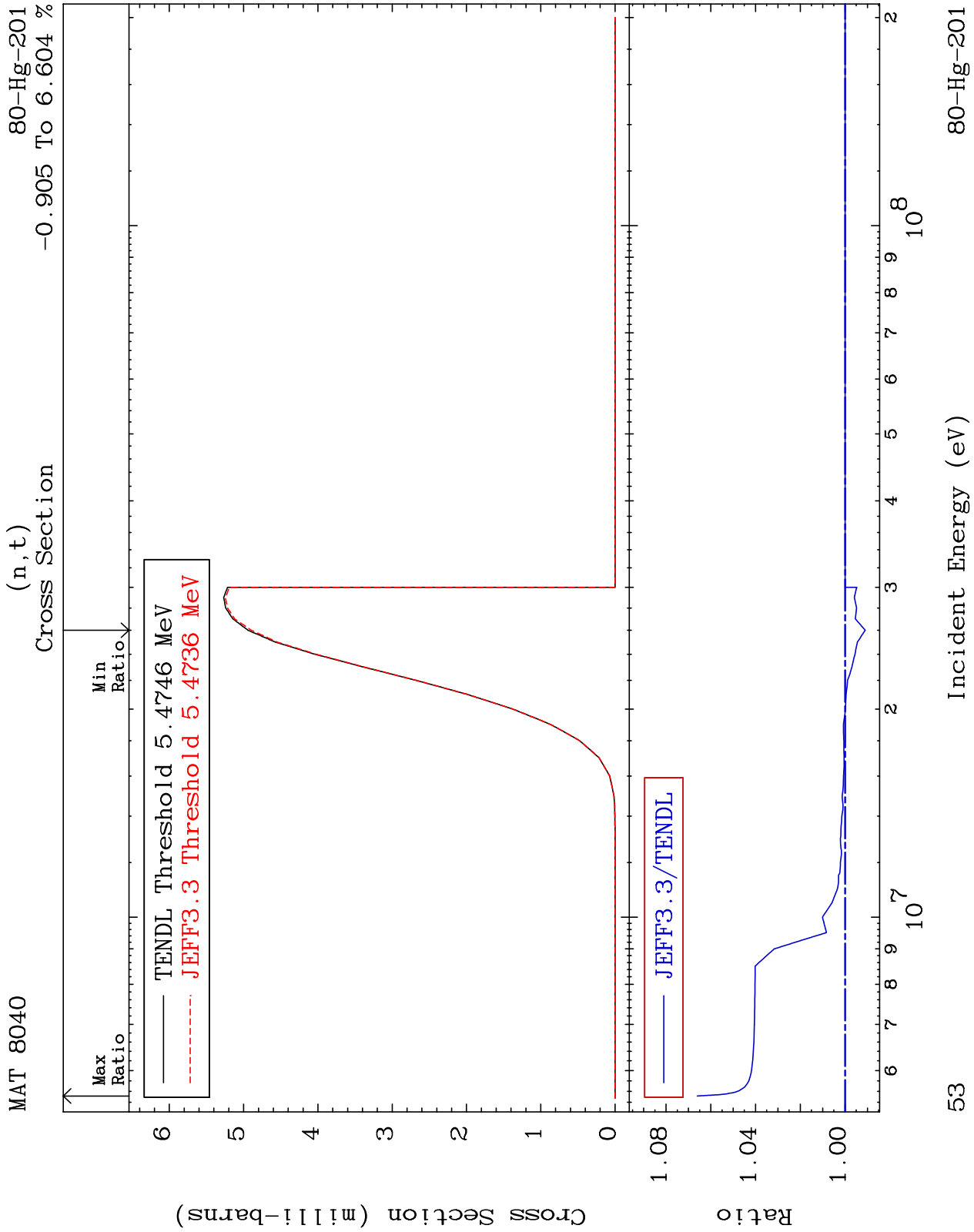
(n, d)

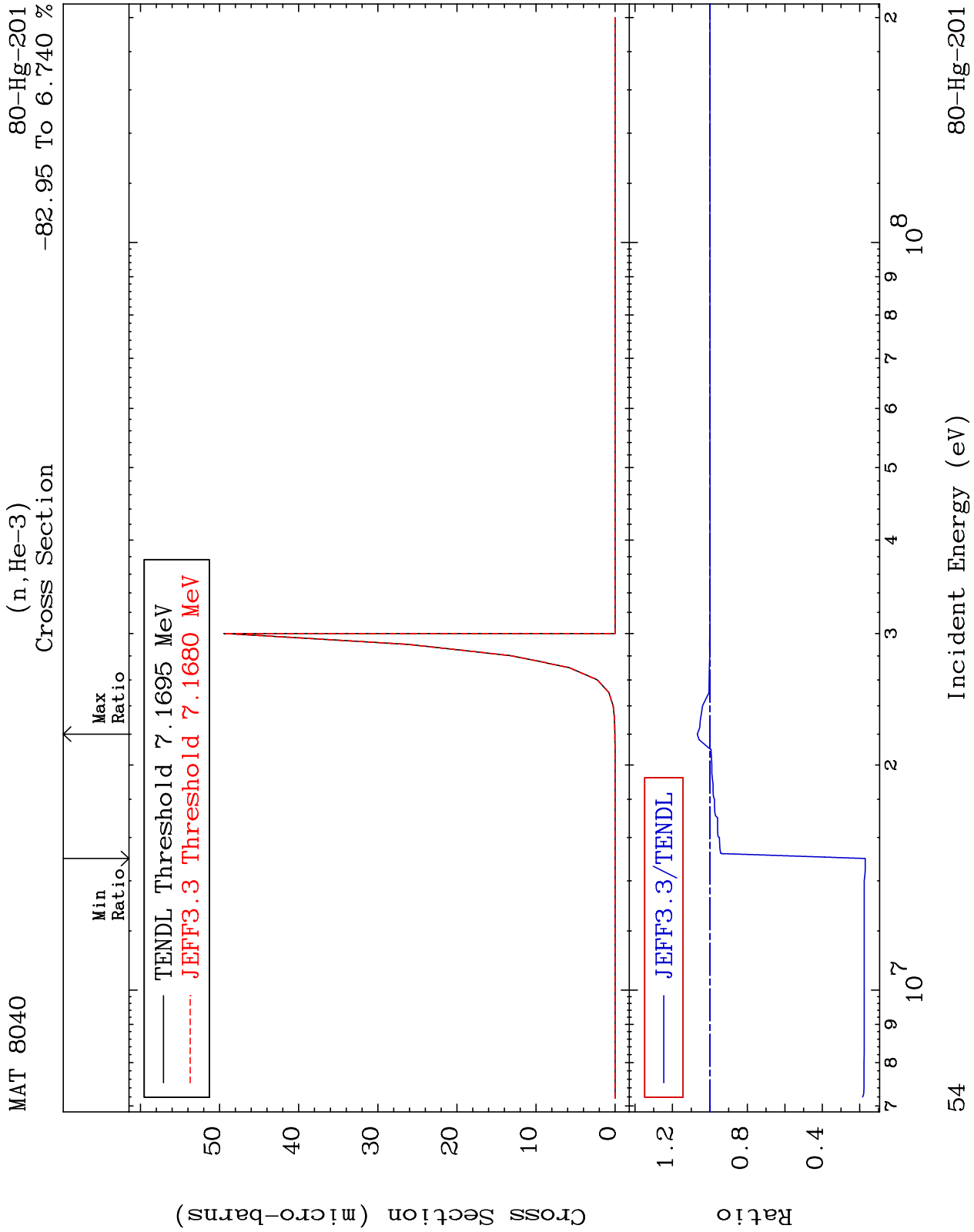
80-Hg-201

Cross Section

-12.94 To 140.0 %







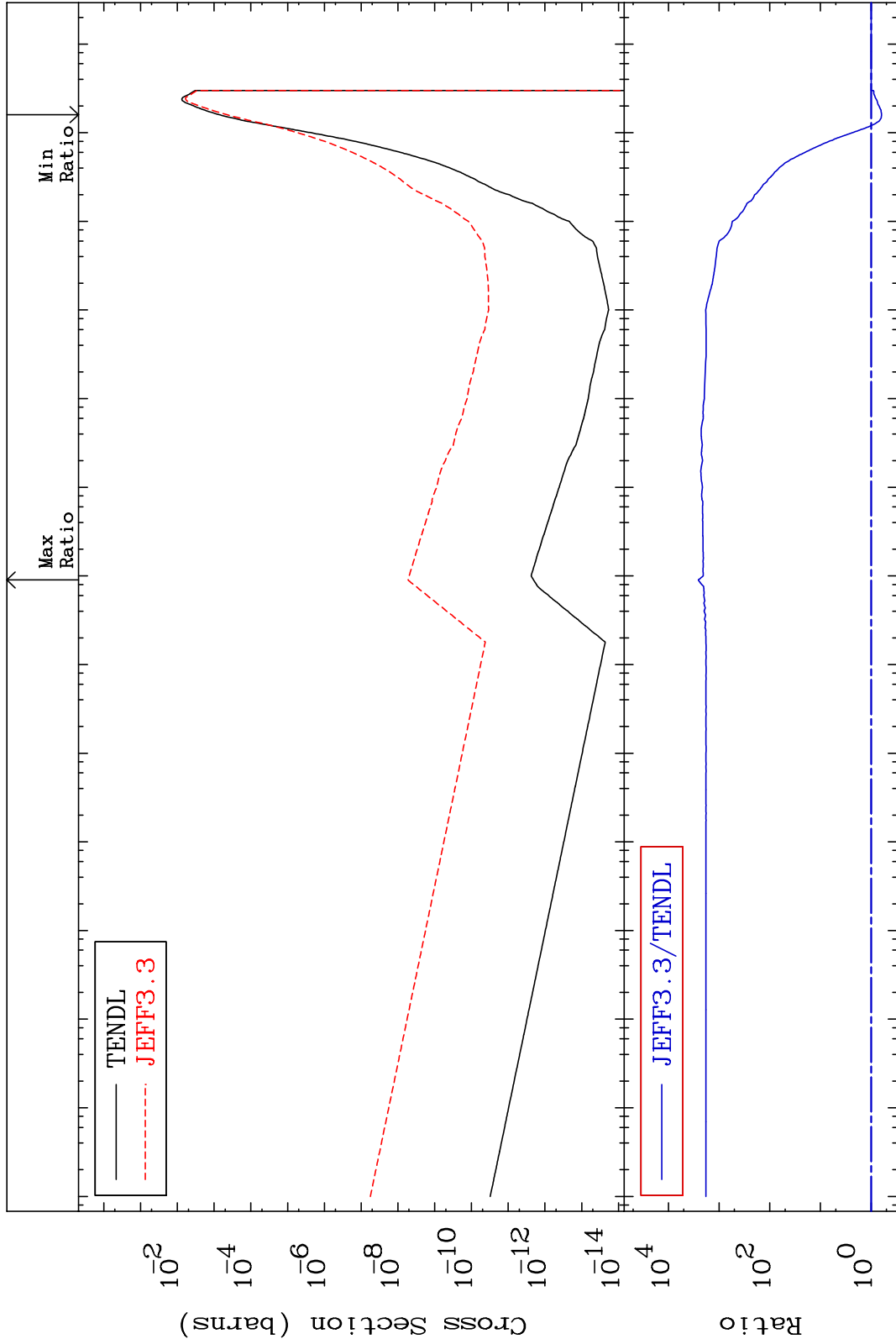
MAT 8040

(n, α)

80-Hg-201

Cross Section

-37.86 To 9999. %

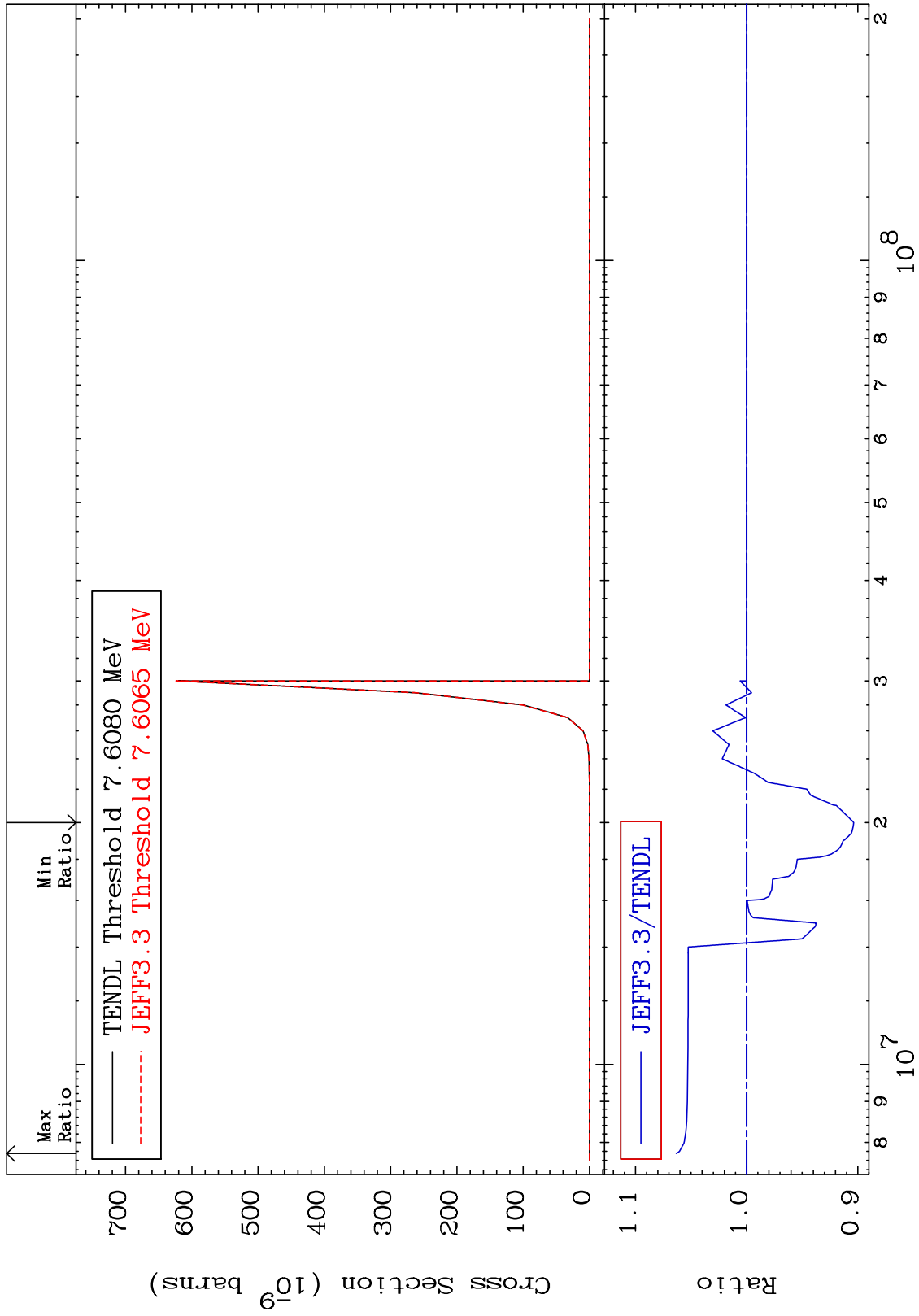


Incident Energy (eV)

55

80-Hg-201

MAT 8040 (n,2p) Cross Section 80-Hg-201 -9.642 To 6.327 %



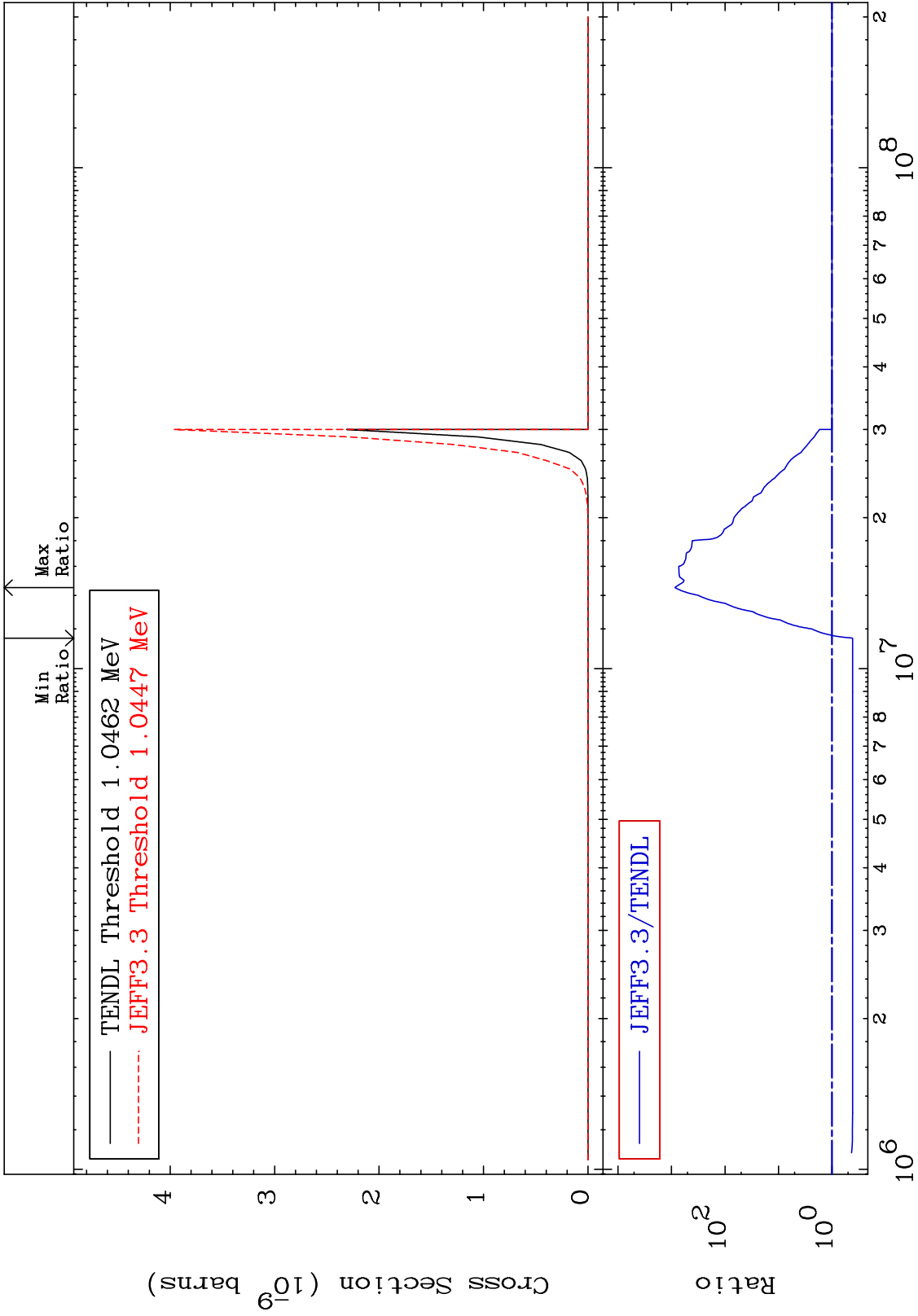
MAT 8040

(n,p) α

80-Hg-201

-58.83 To 9999. %

Cross Section



57

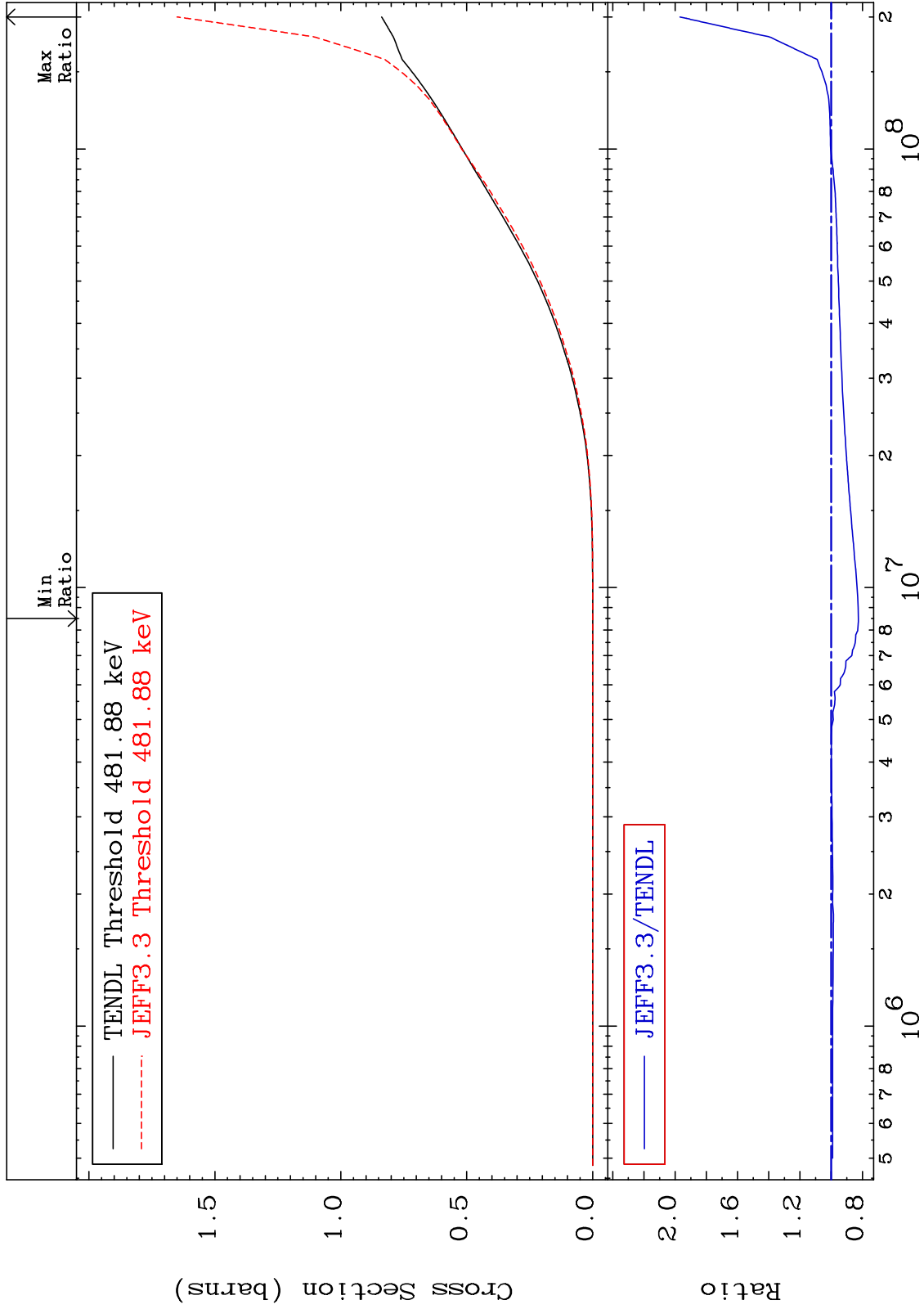
Incident Energy (eV)

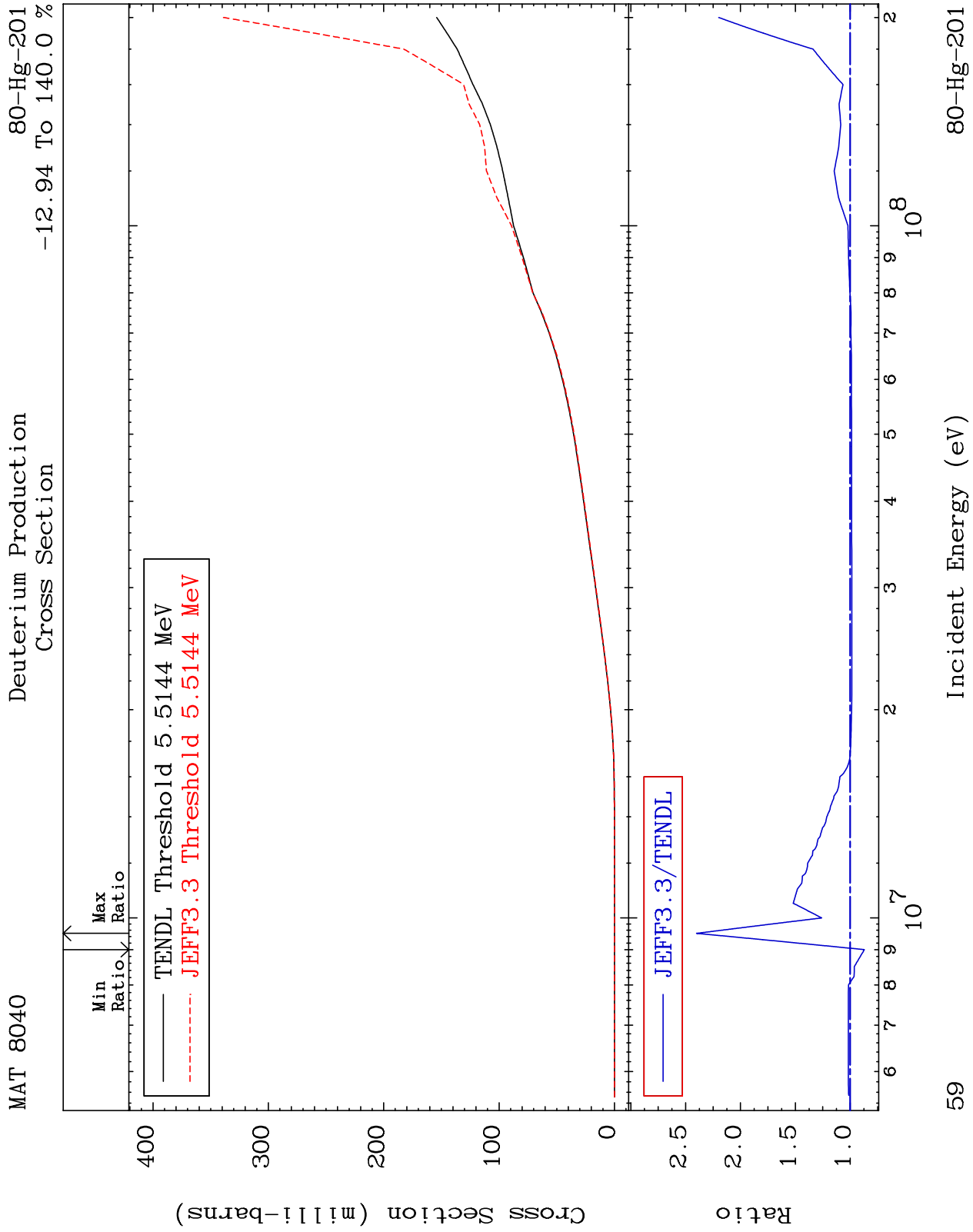
80-Hg-201

MAT 8040

Hydrogen Production
Cross Section

80-Hg-201
-17.43 To 96.90 %

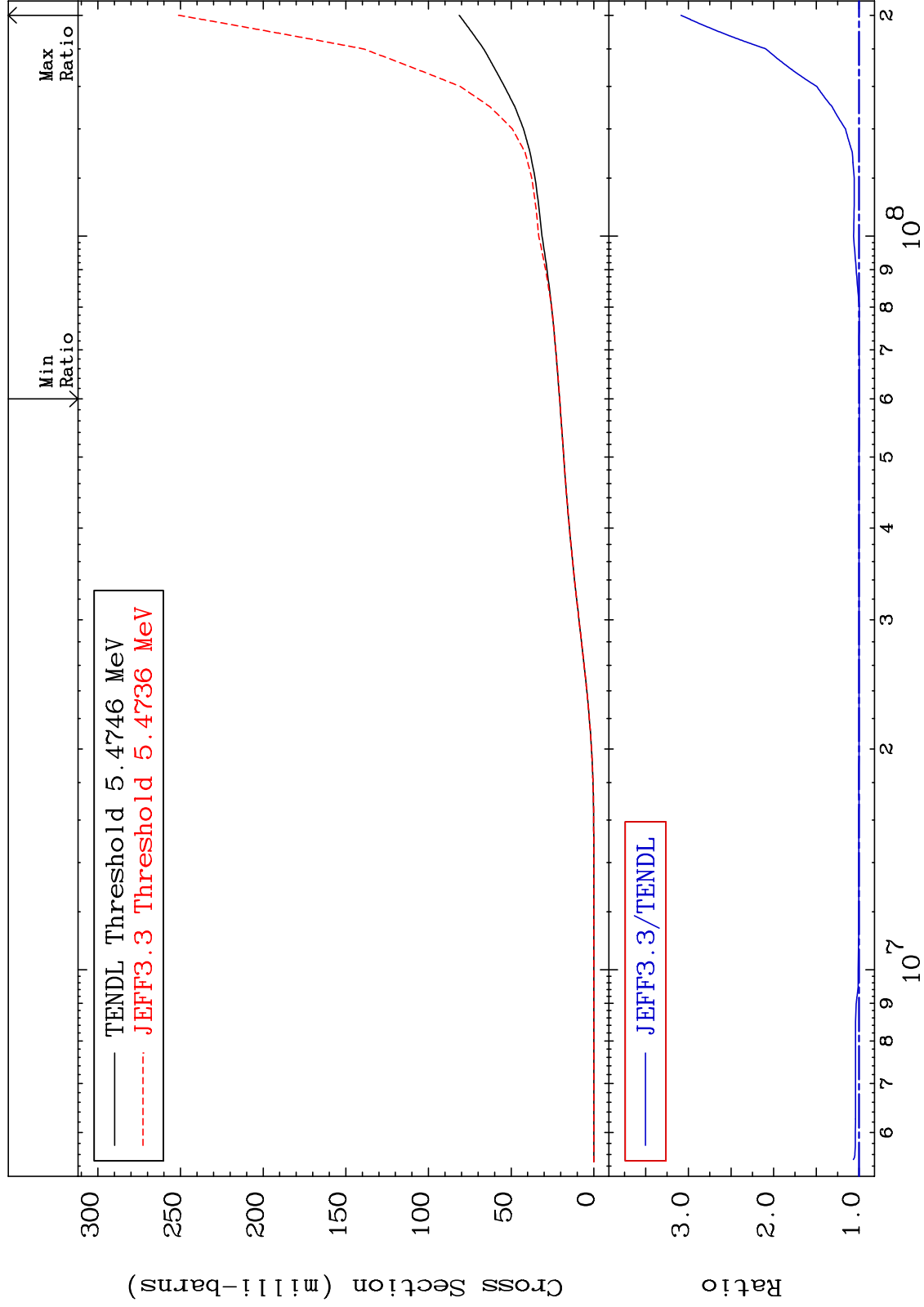




MAT 8040

Tritium Production
Cross Section

80-Hg-201
-0.392 To 208.6 %



60

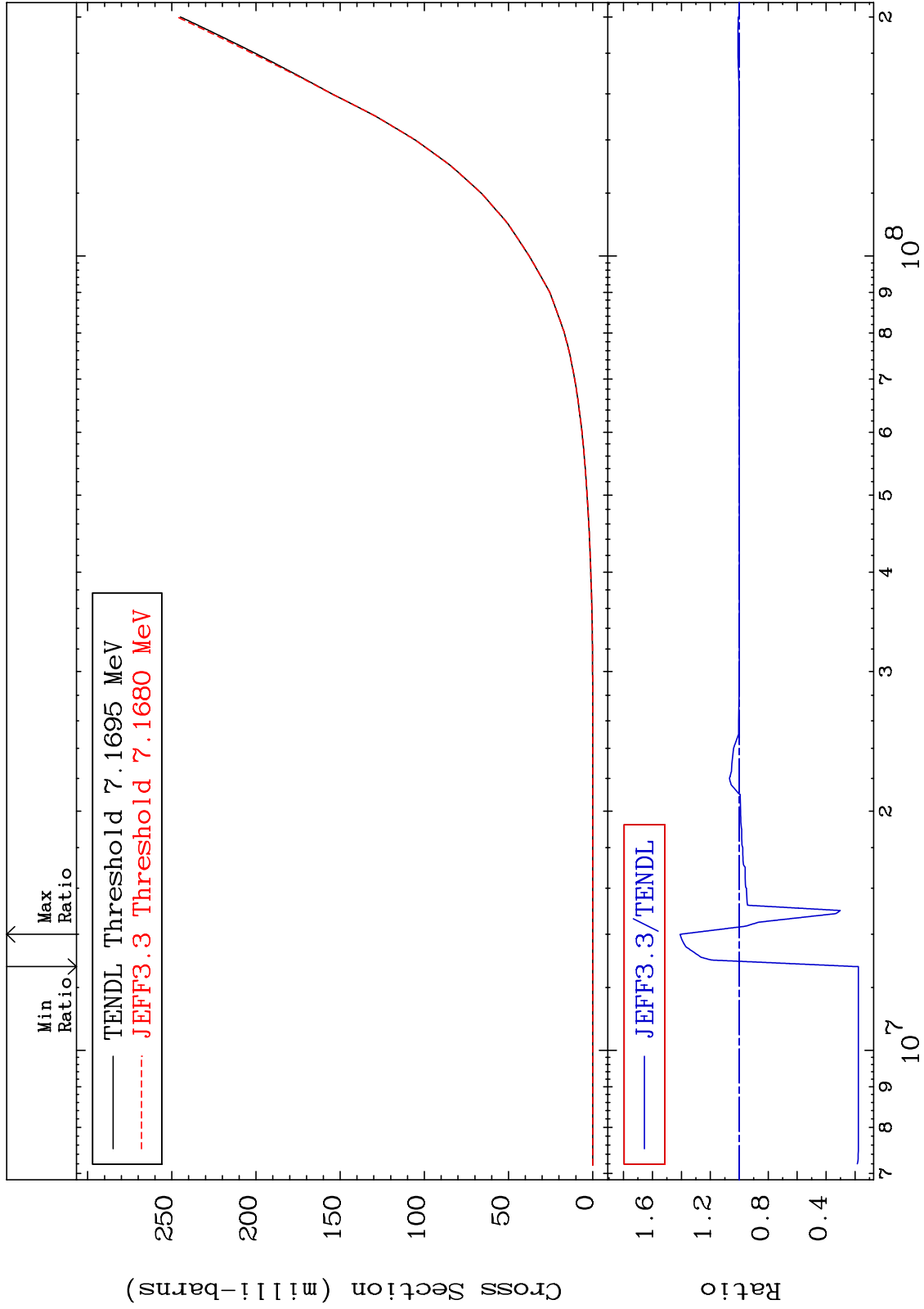
Incident Energy (eV)

80-Hg-201

MAT 8040

He-3 Production
Cross Section

80-Hg-201
-82.34 To 40.94 %



61

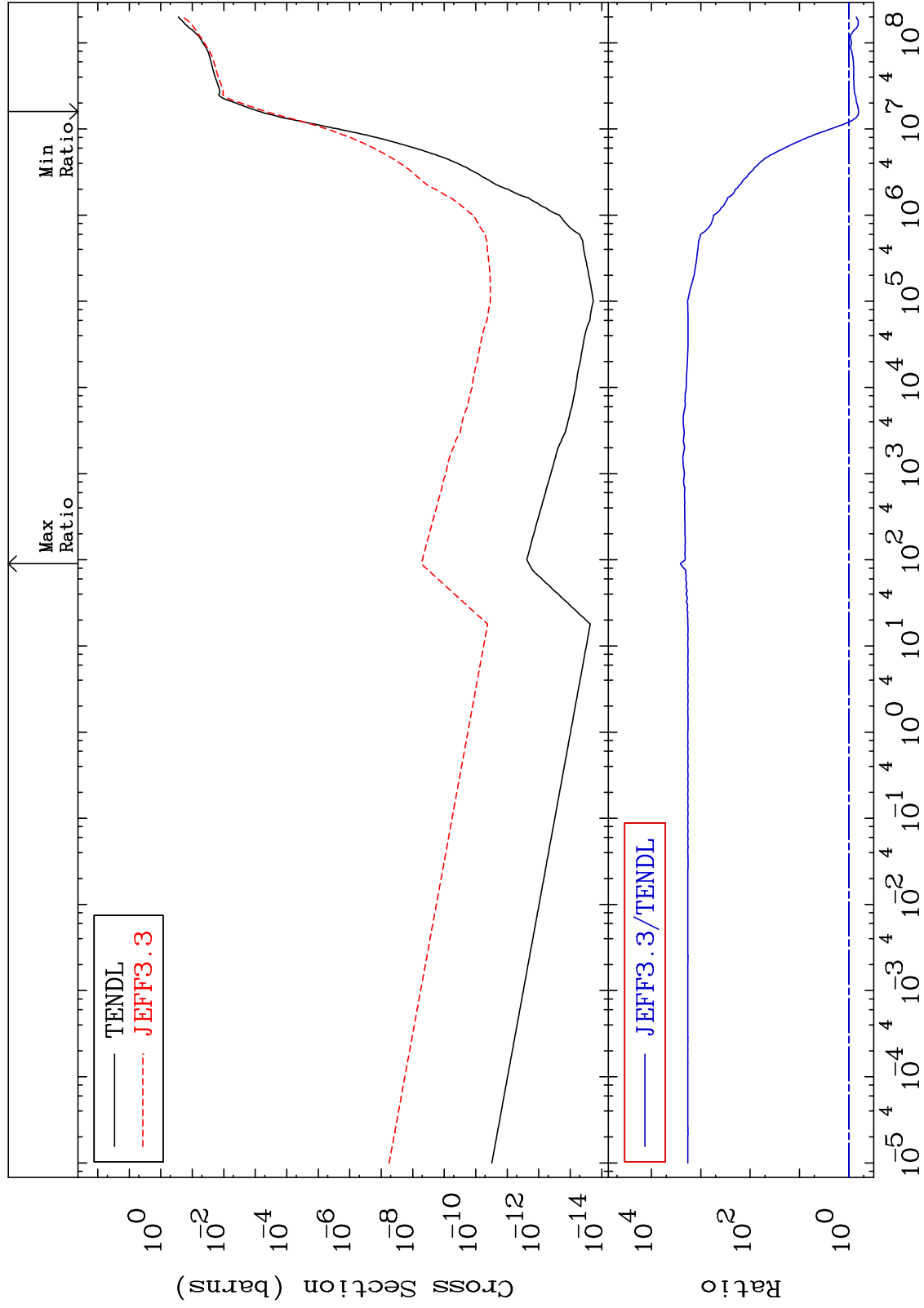
Incident Energy (eV)

80-Hg-201

MAT 8040

He-4 Production
Cross Section

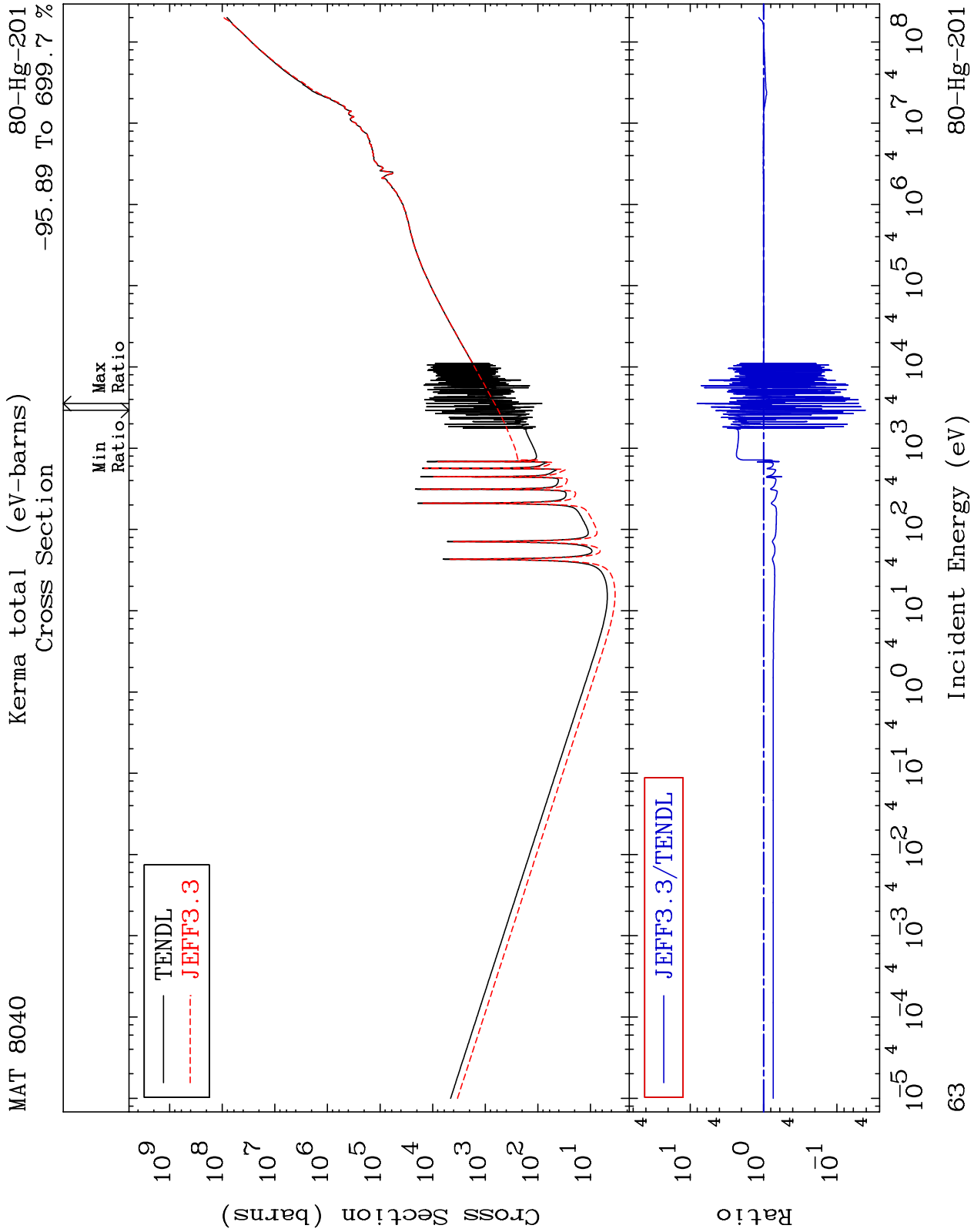
80-Hg-201
-36.27 To 9999. %



62

Incident Energy (eV)

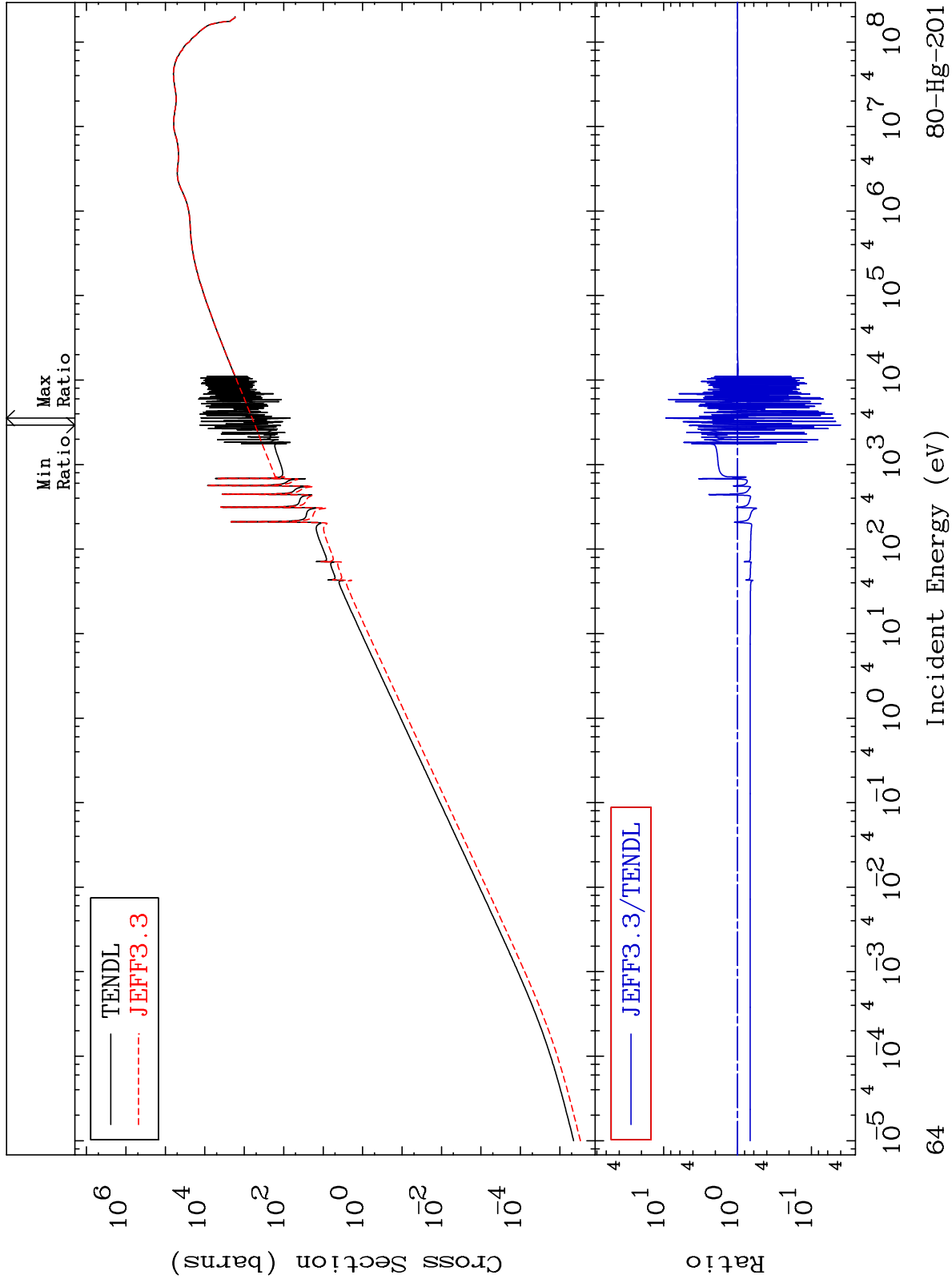
80-Hg-201



MAT 8040

Kerma elastic
Cross Section

80-Hg-201
-95.97 To 832.1 %



64

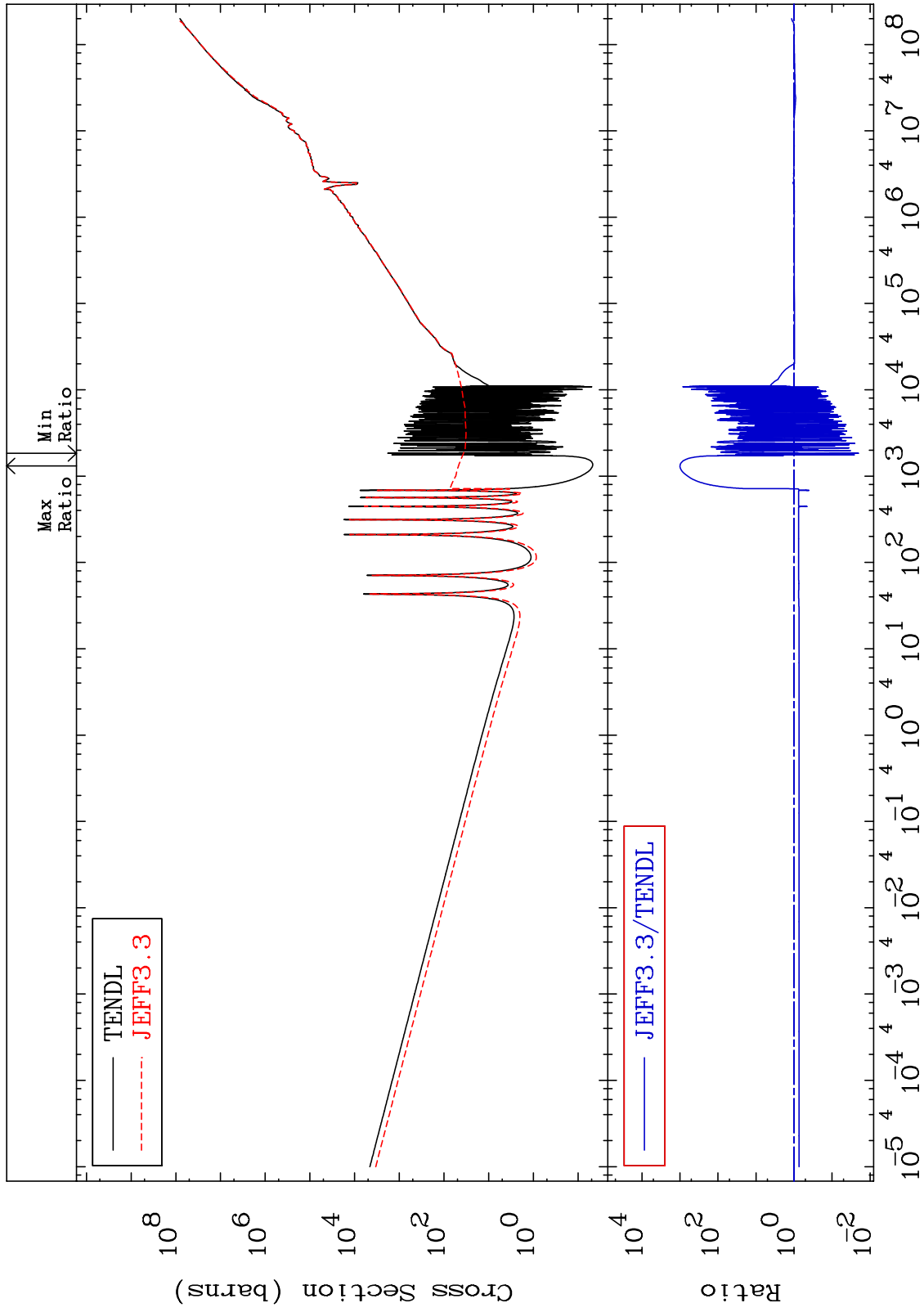
Incident Energy (eV)

80-Hg-201

MAT 8040

Kerma non-elastic (all but mt2)
Cross Section

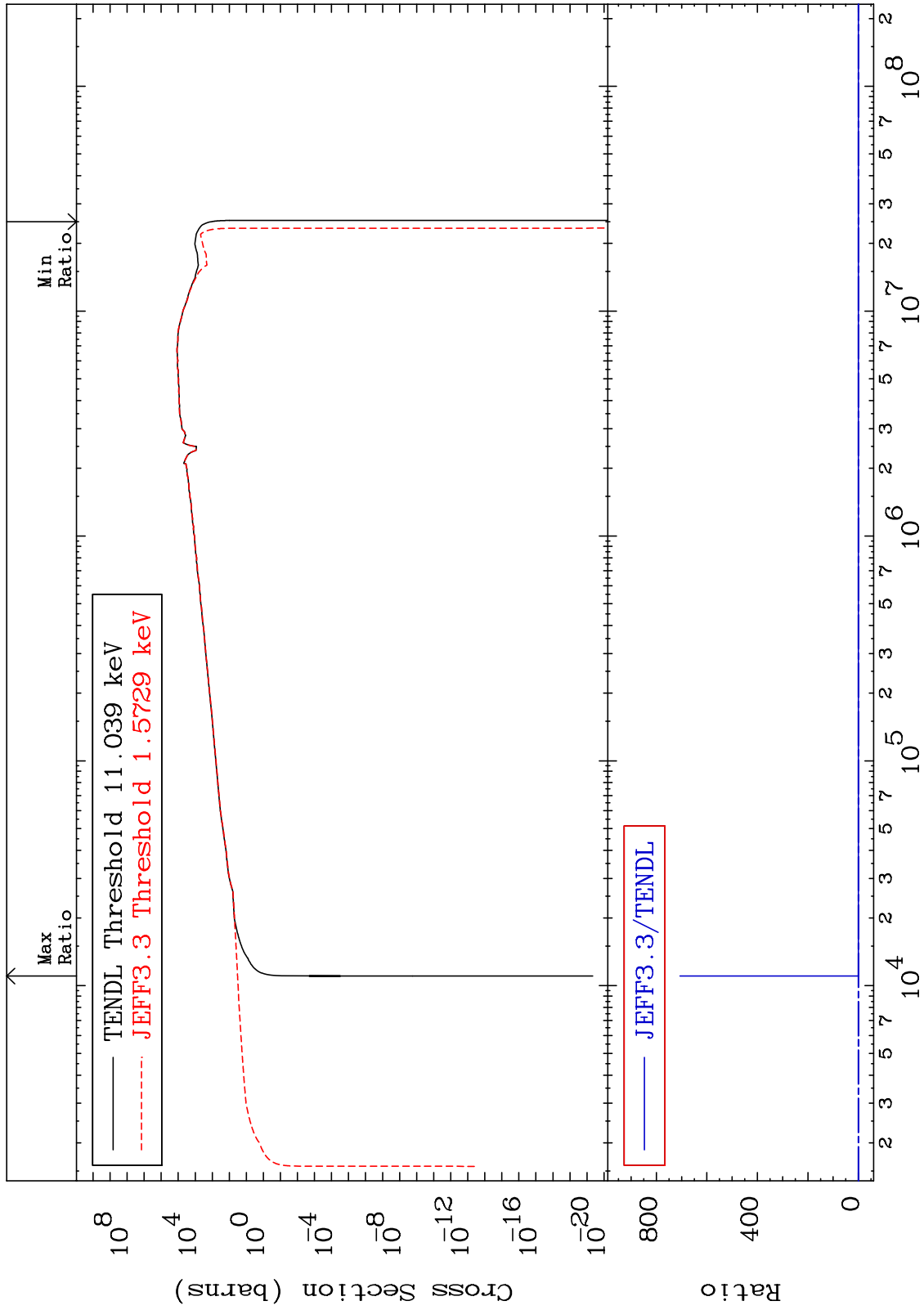
80-Hg-201
-97.97 To 9999. %



65

Incident Energy (eV)

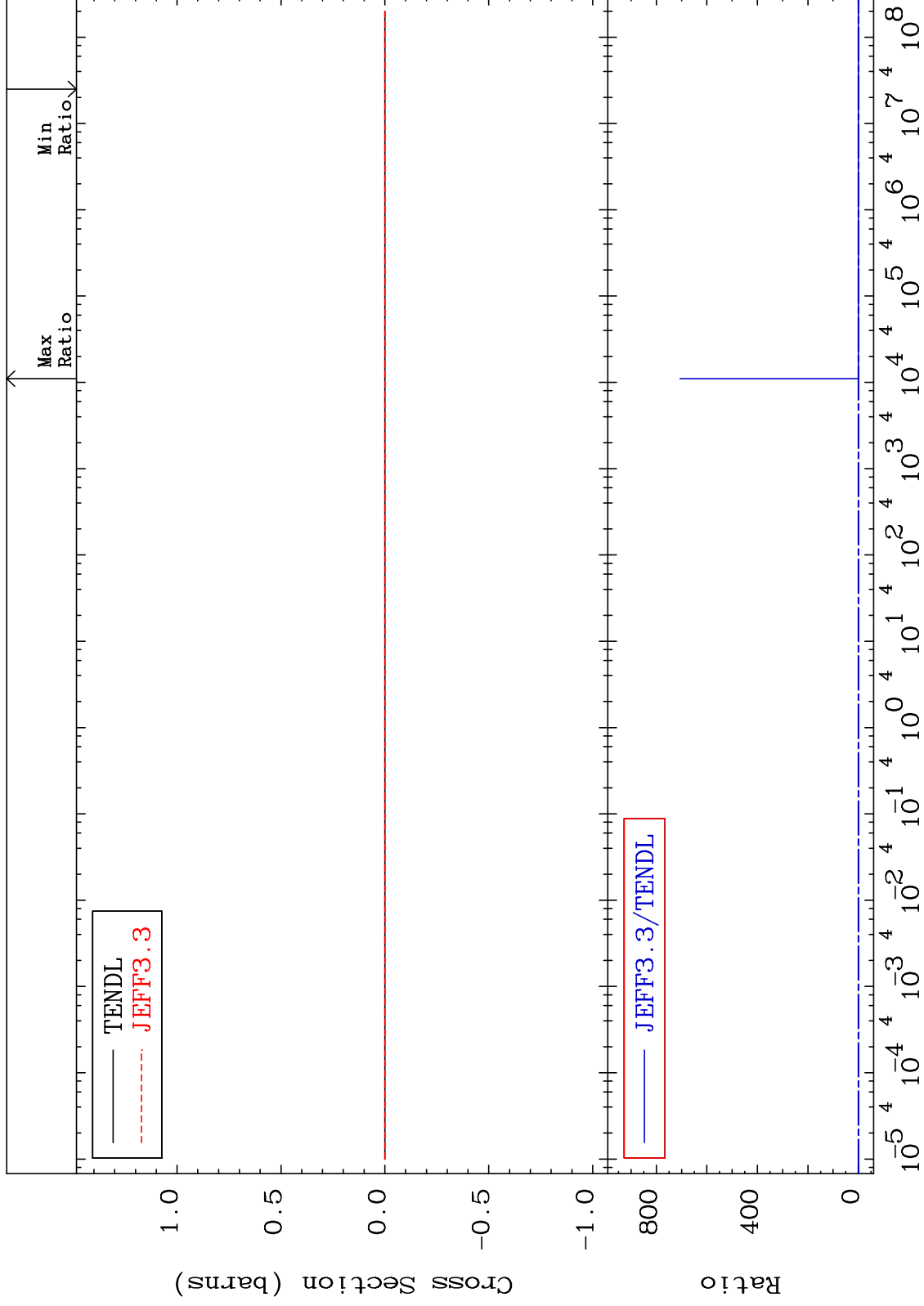
80-Hg-201



MAT 8040

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

80-Hg-201
-650.7 To 9999. %



67

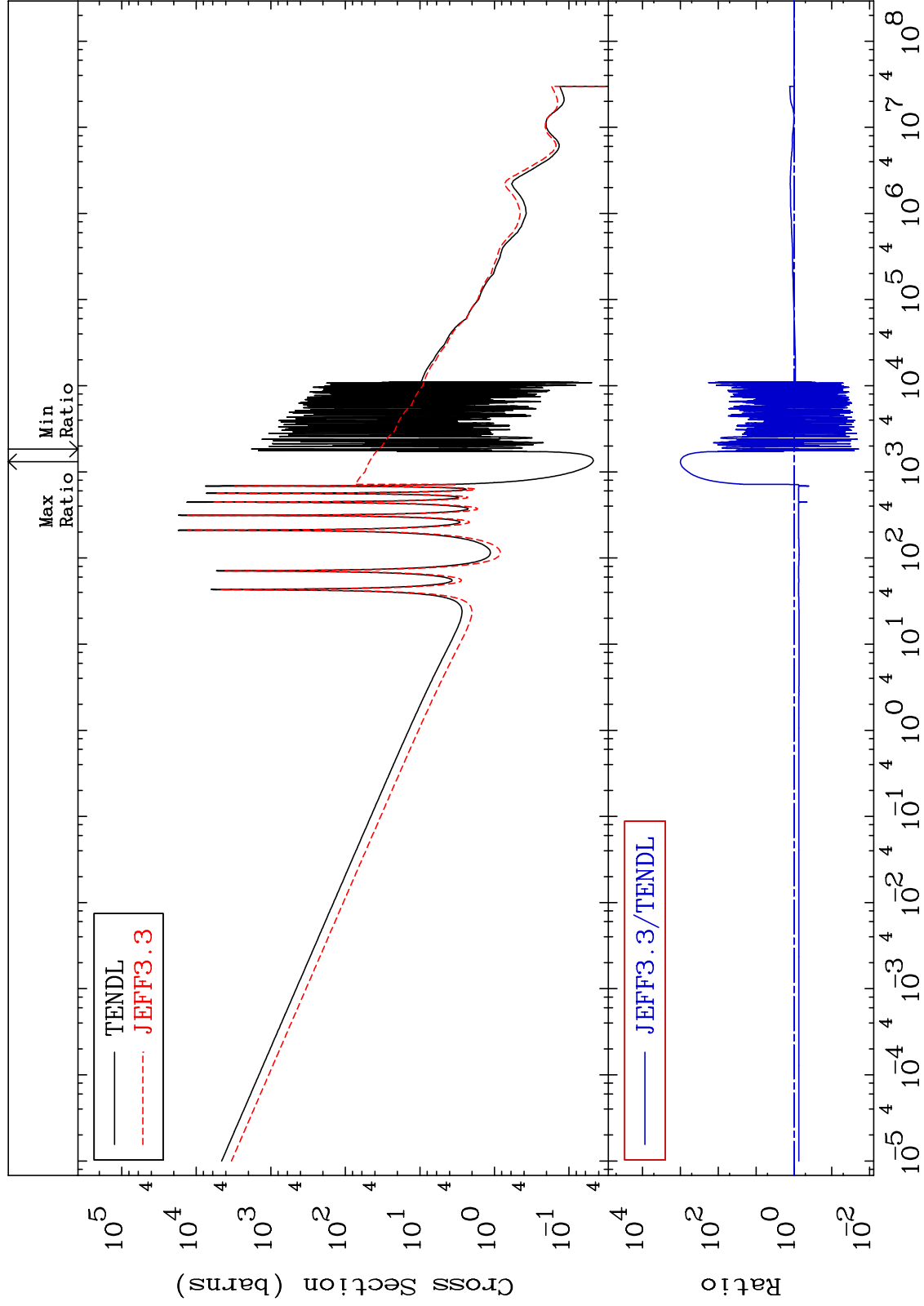
Incident Energy (eV)

80-Hg-201

MAT 8040

Kerma capture (mt102)
Cross Section

80-Hg-201
-98.03 To 9999. %



68

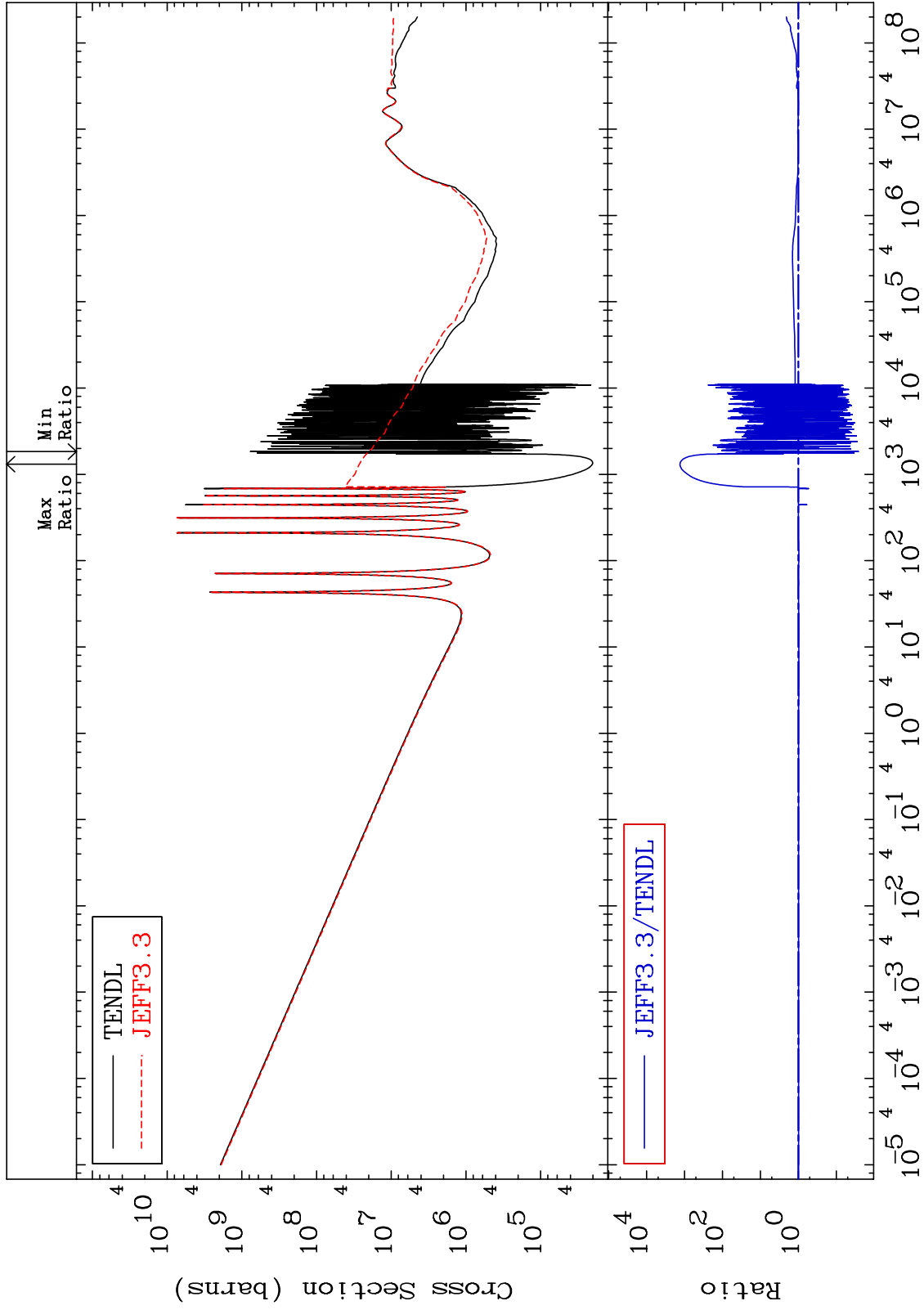
Incident Energy (eV)

80-Hg-201

MAT 8040

Total photon (eV-barns)
Cross Section

80-Hg-201
-97.40 To 9999. %



69

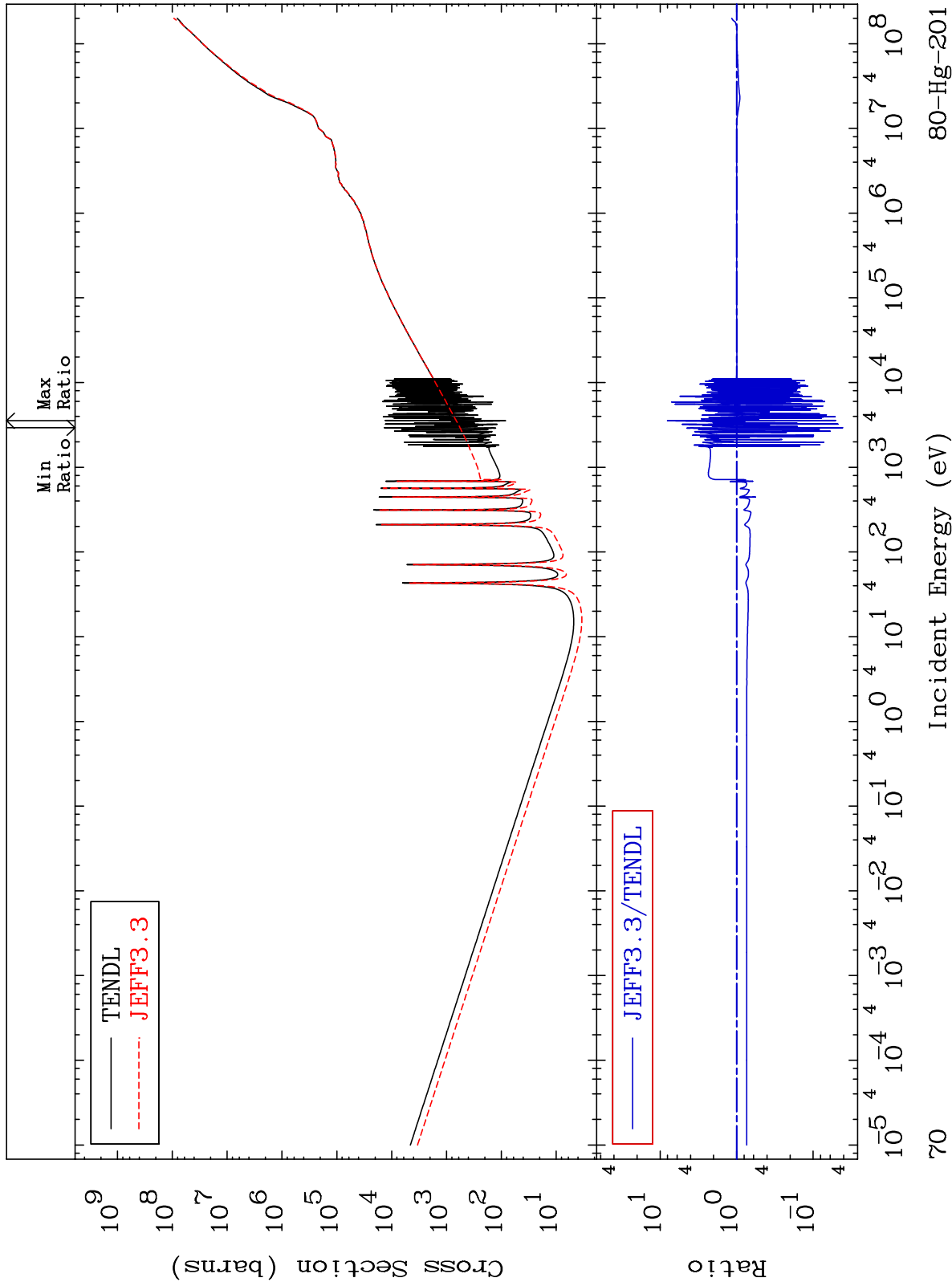
Incident Energy (eV)

80-Hg-201

MAT 8040

Total kinematic kerma (high limit)
Cross Section

80-Hg-201
-95.89 To 699.7 %



70

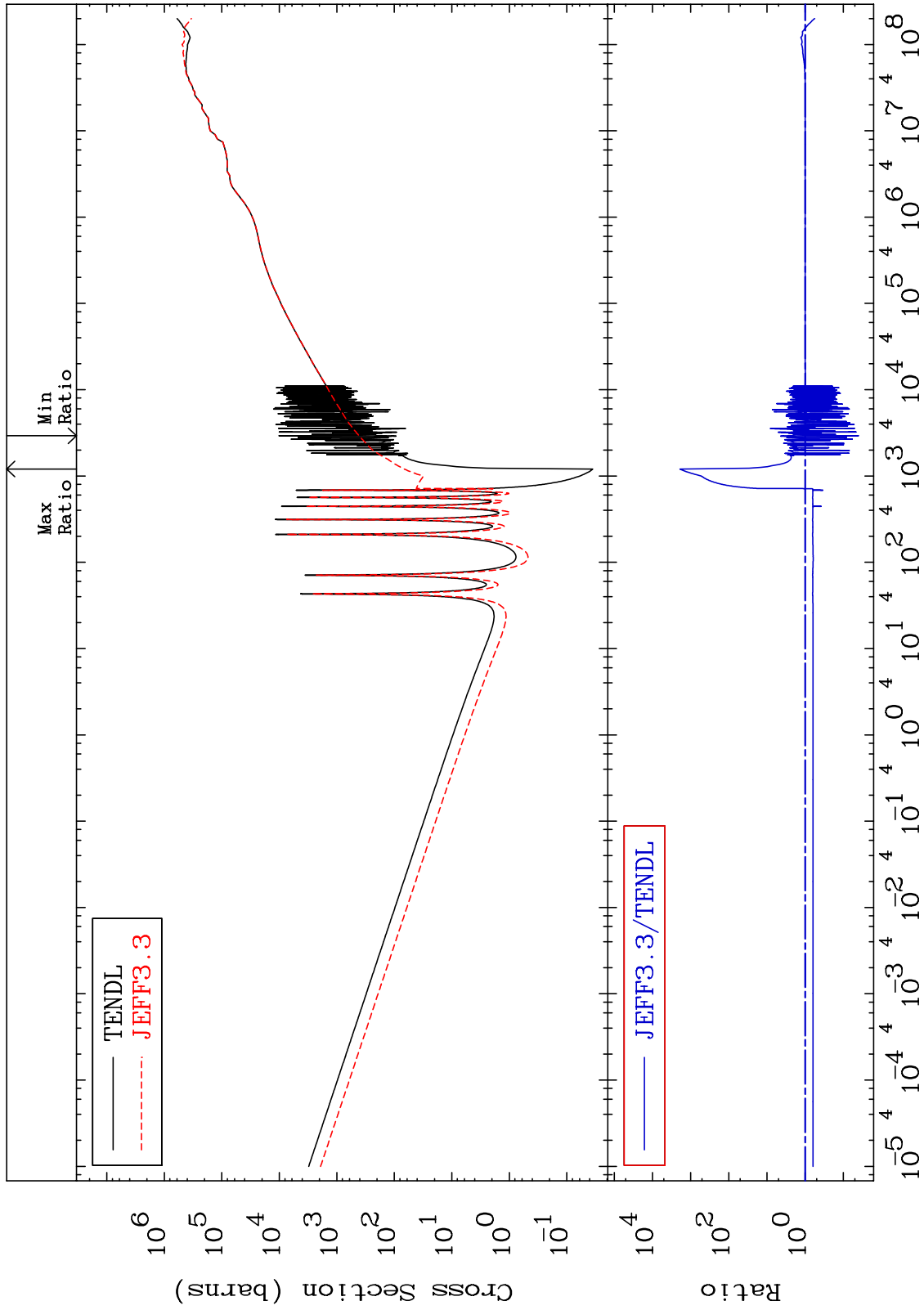
Incident Energy (eV)

80-Hg-201

MAT 8040

Dpa total (eV-barns)
Cross Section

80-Hg-201
-95.98 To 9999. %



71

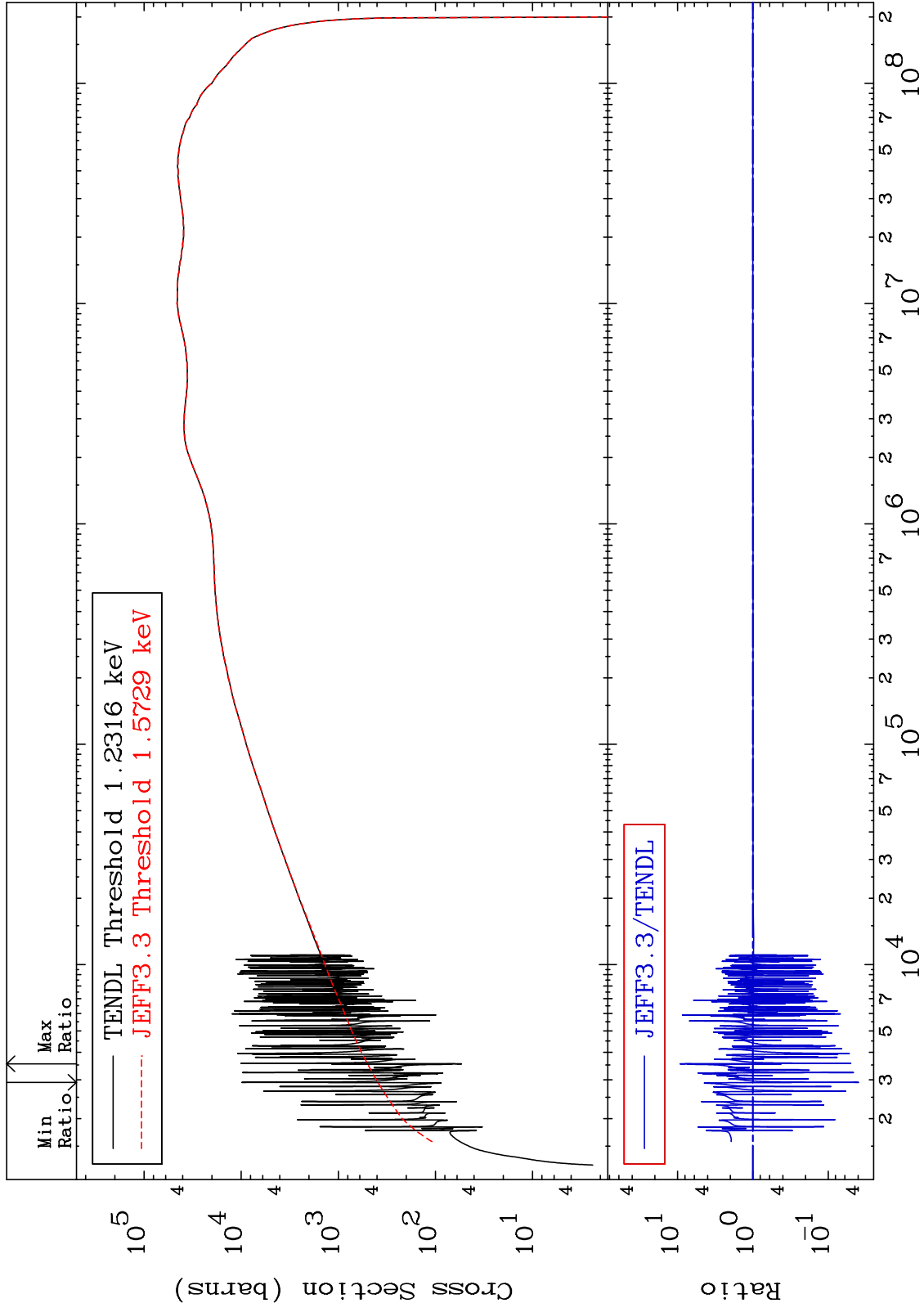
Incident Energy (eV)

80-Hg-201

MAT 8040

Dpa elastic (mt2)
Cross Section

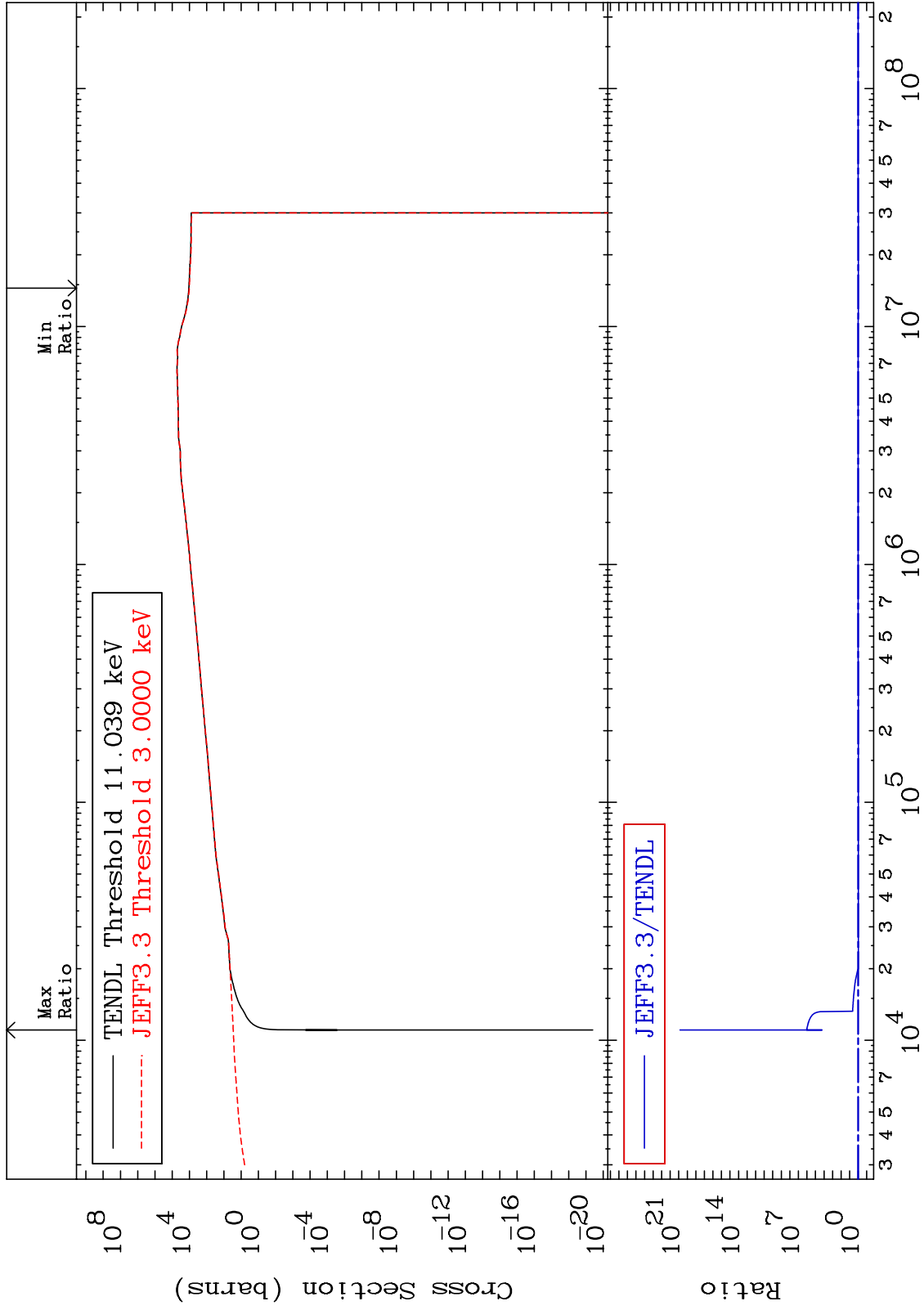
80-Hg-201
-96.03 To 828.3 %



MAT 8040

Dpa inelastic (mt51-91)
Cross Section

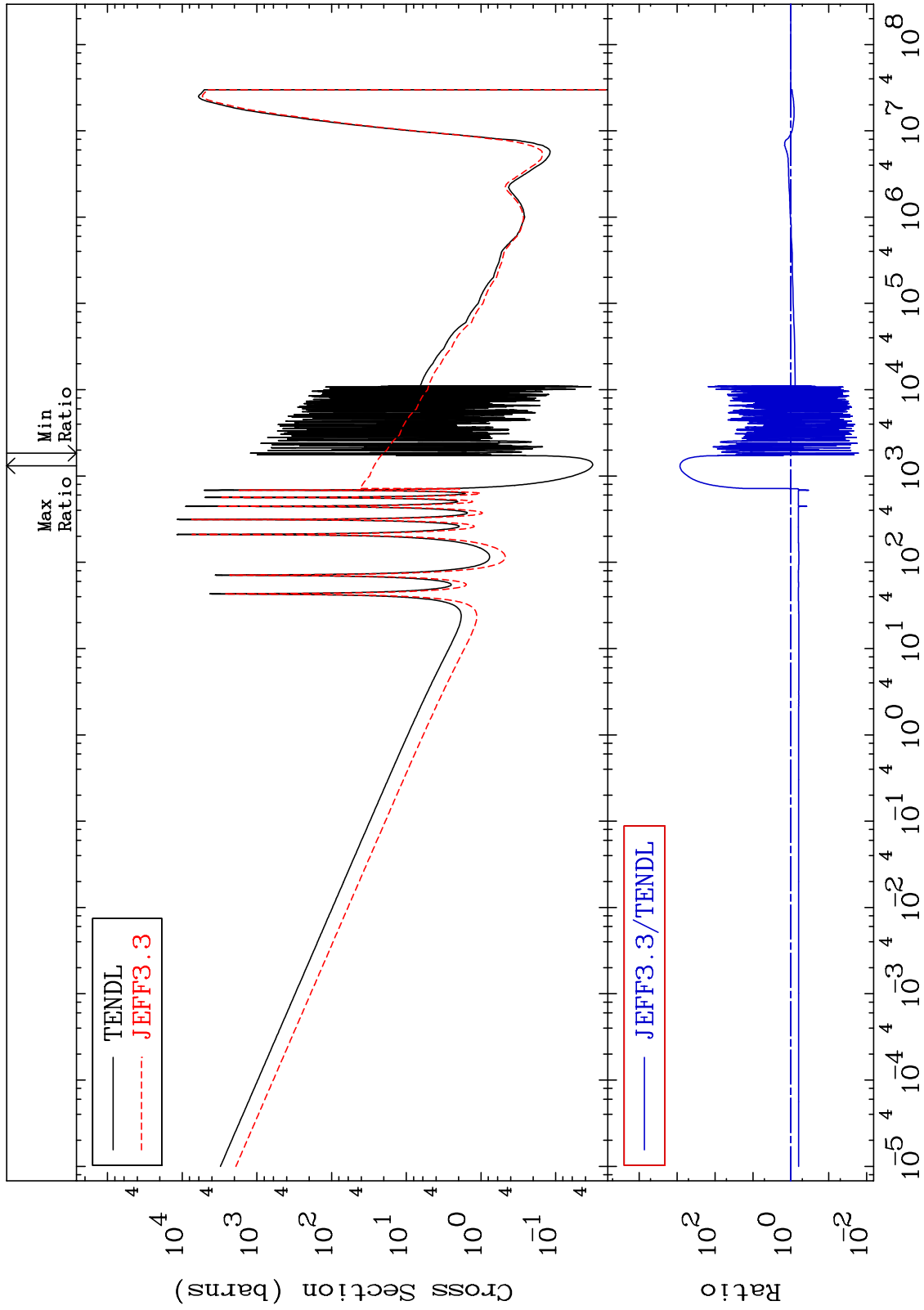
80-Hg-201
-5.381 To 9999. %



MAT 8040

Dpa disappearance (mt102 -120)
Cross Section

80-Hg-201
-98.35 To 9999. %



74

Incident Energy (eV)

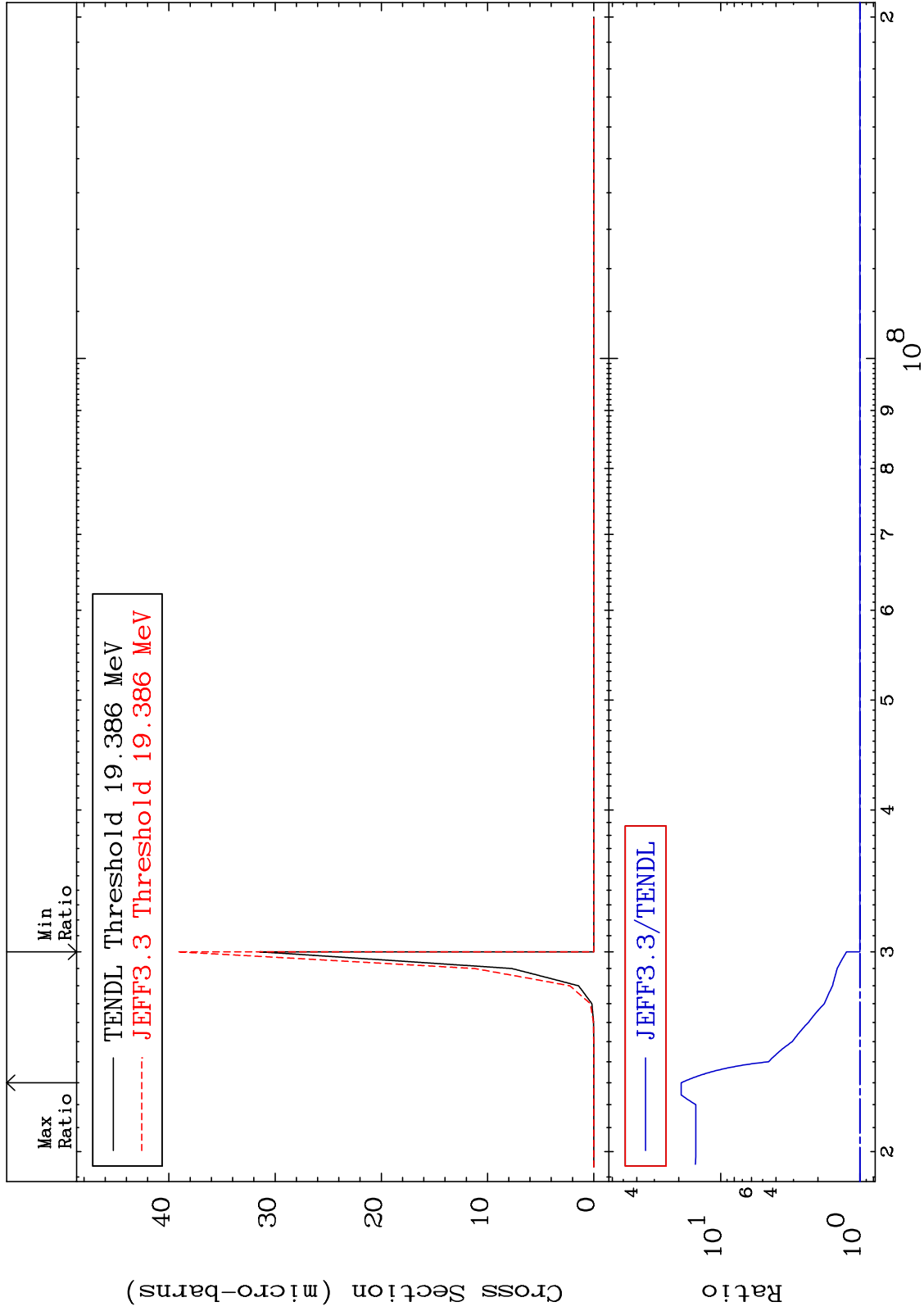
80-Hg-201

MAT 8040

(n,2n) d:79-Au-198g

80-Hg-201

Radionuclide Production Cross Section 0.000 To 1819. %



75

Incident Energy (eV)

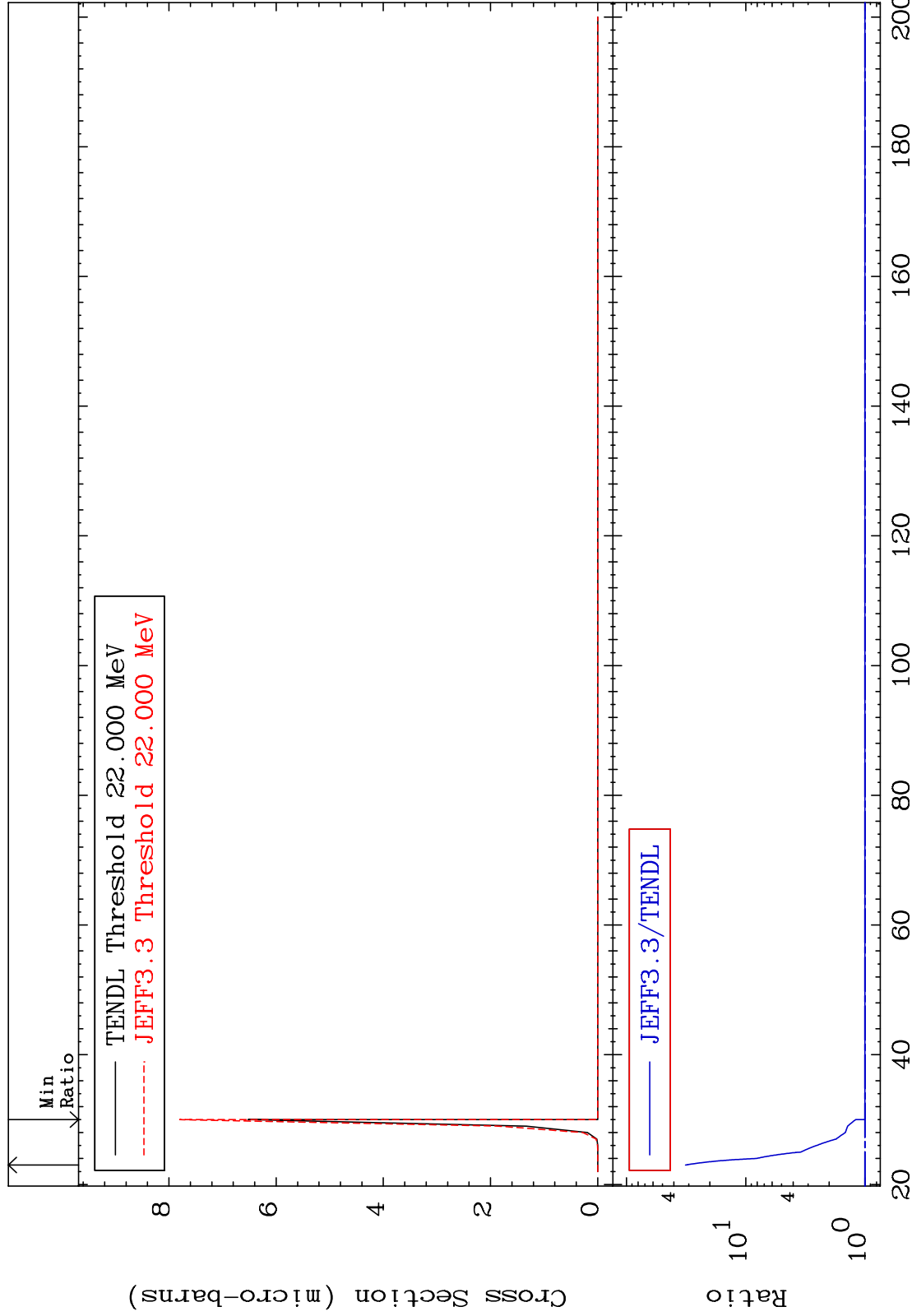
80-Hg-201

MAT 8040

(n,2n) d:79-Au-198m10

80-Hg-201

Radionuclide Production Cross Section 0.000 To 3098. %



76

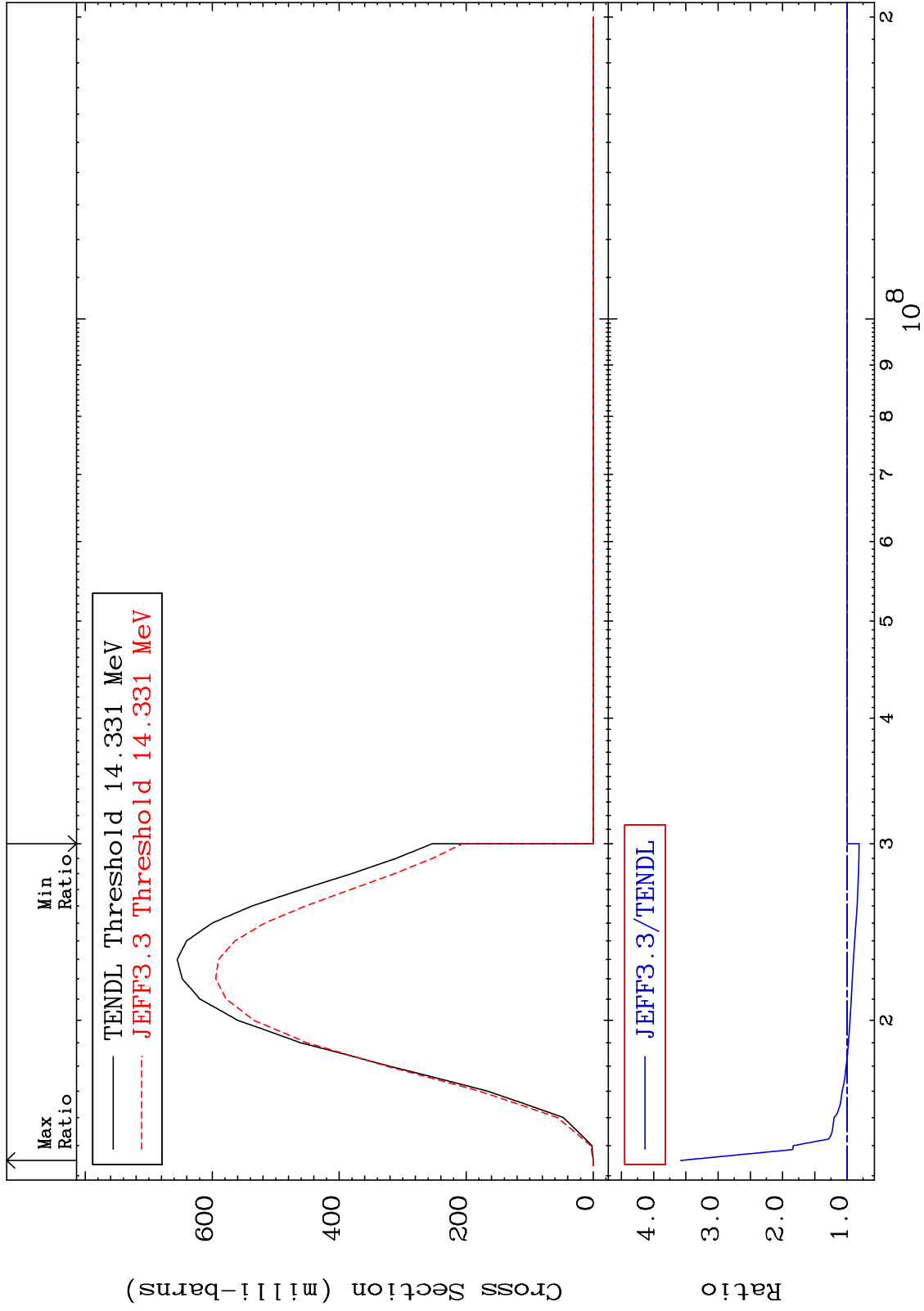
80-Hg-201

MAT 8040

(n,3n):80-Hg-199g

80-Hg-201

Radionuclide Production Cross Section -18.85 To 258.1 %

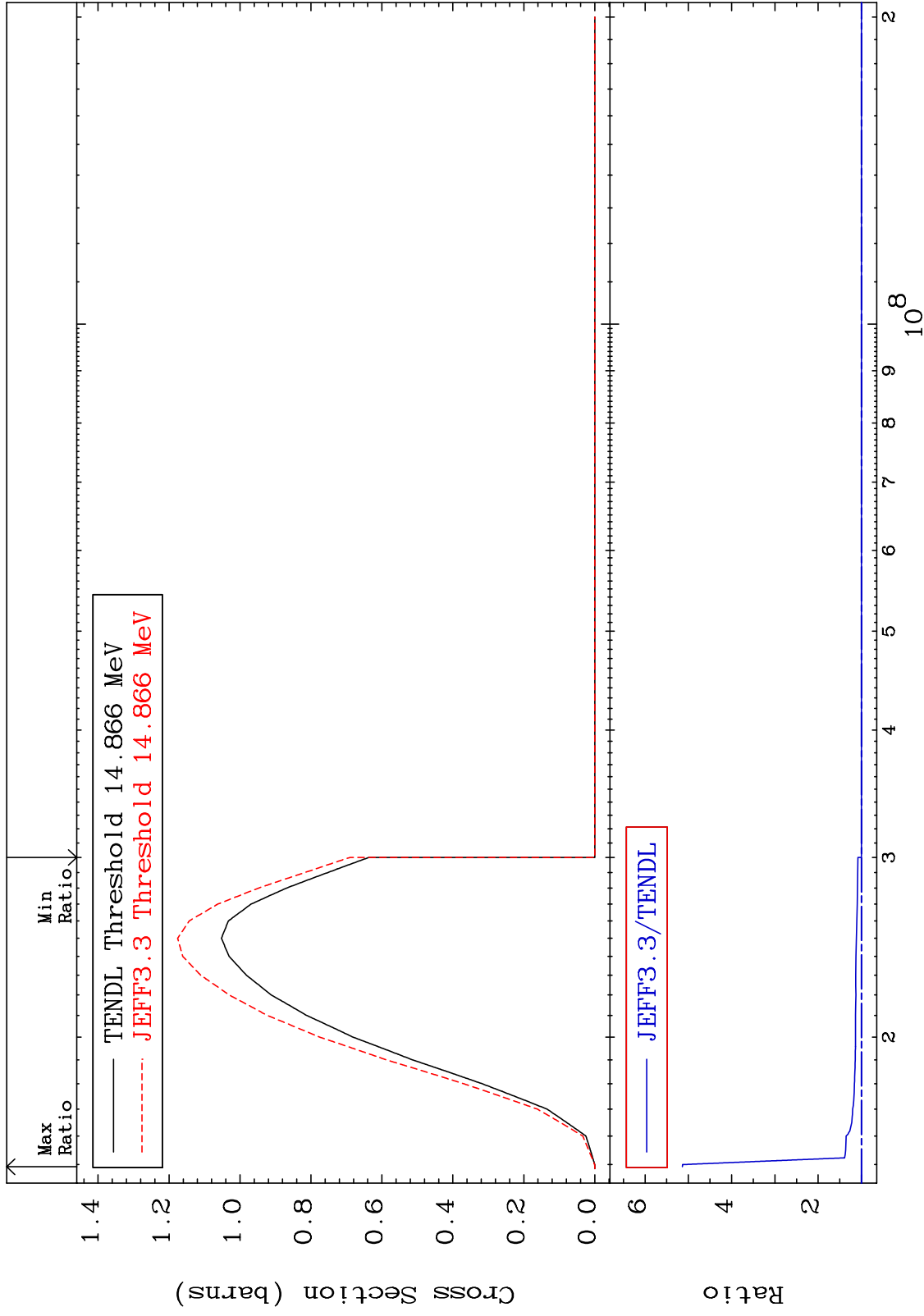


MAT 8040

(n,3n):80-Hg-199m7

80-Hg-201

Radionuclide Production Cross Section 0.000 To 413.6 %



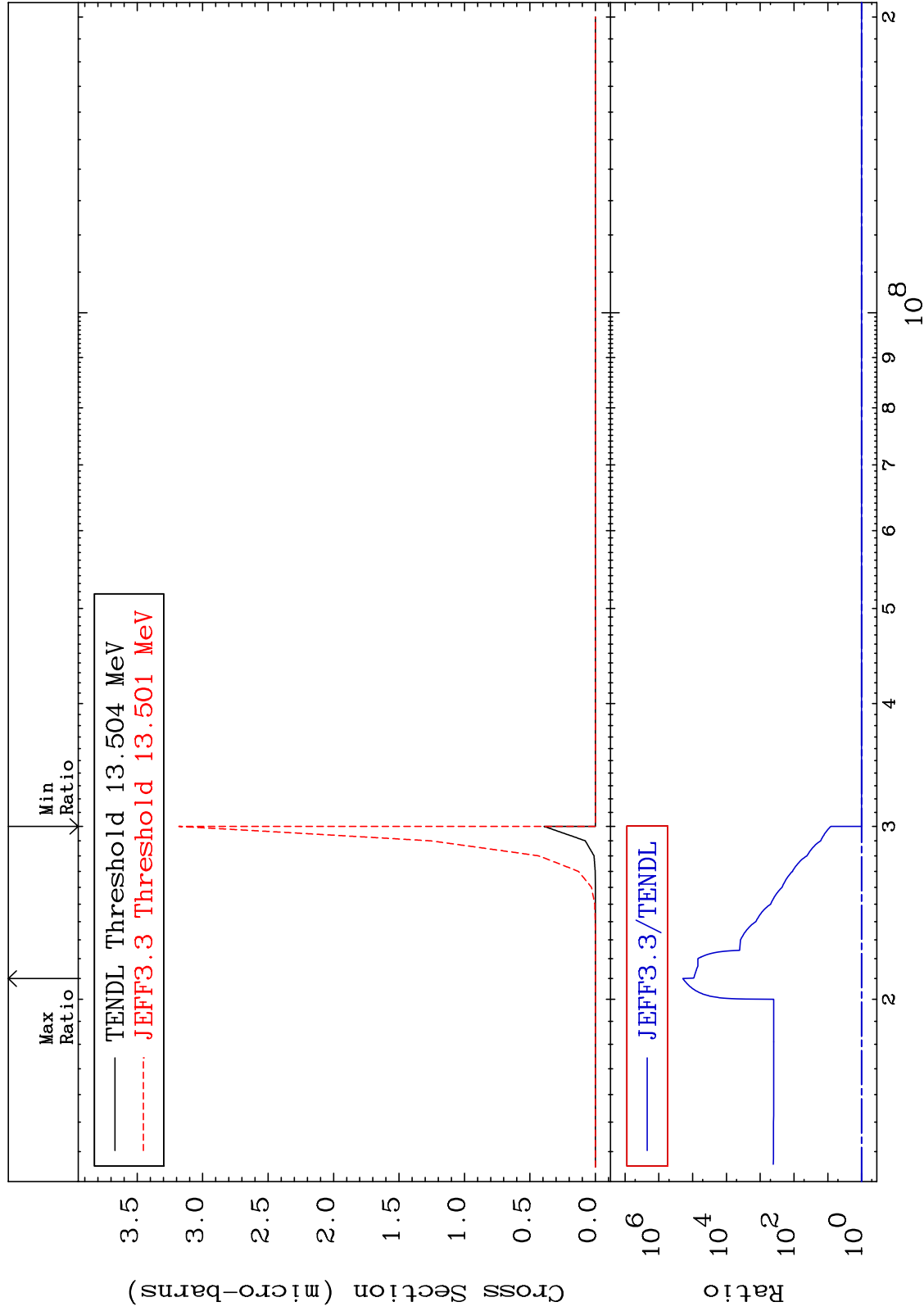
78

Incident Energy (eV)

80-Hg-201

MAT 8040

(n,3n) α :78-Pt-195g 80-Hg-201
Radionuclide Production Cross Section 0.000 To 9999. %

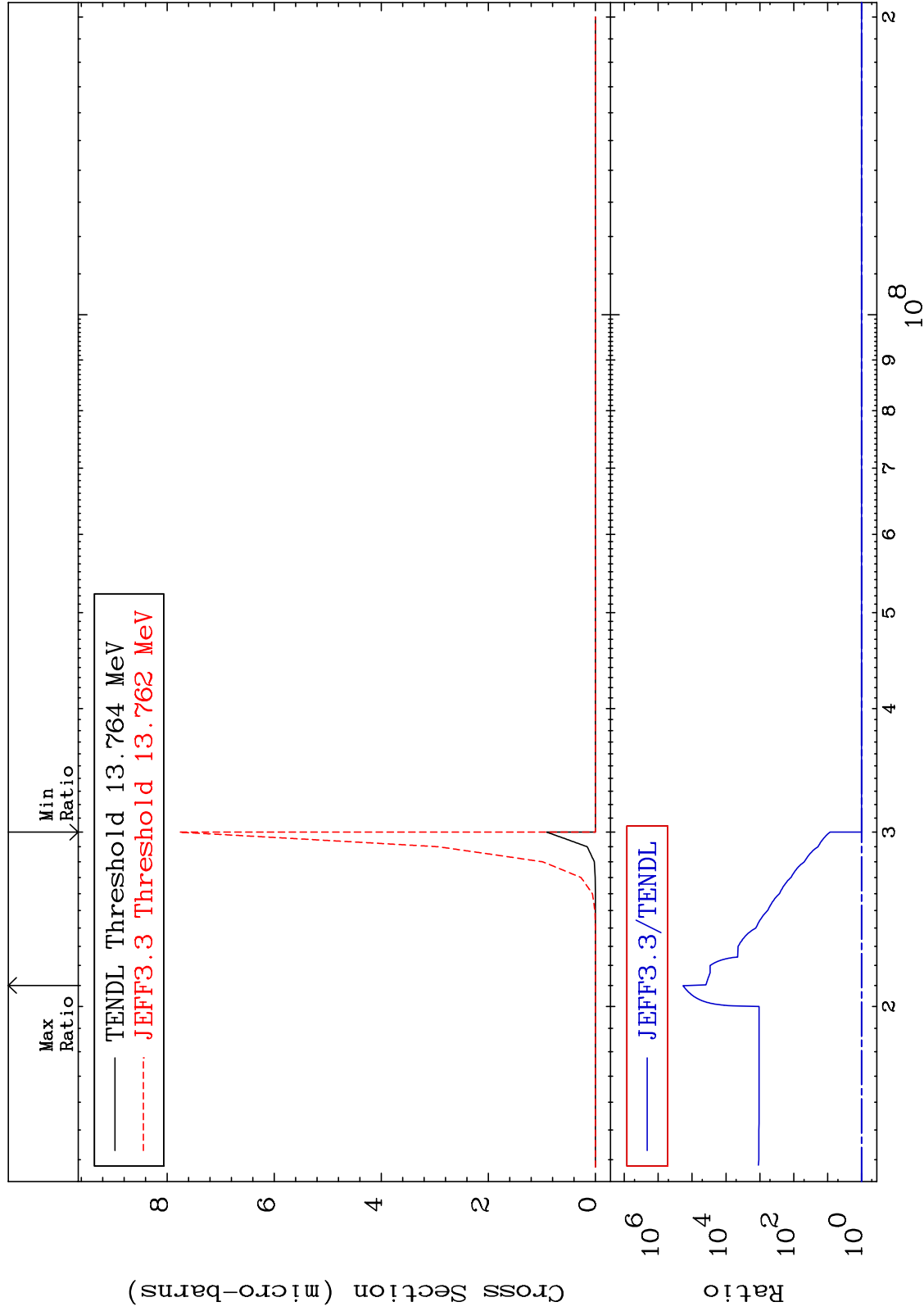


MAT 8040

(n,3n) α :78-Pt-195m7

80-Hg-201

Radionuclide Production Cross Section 0.000 To 9999. %

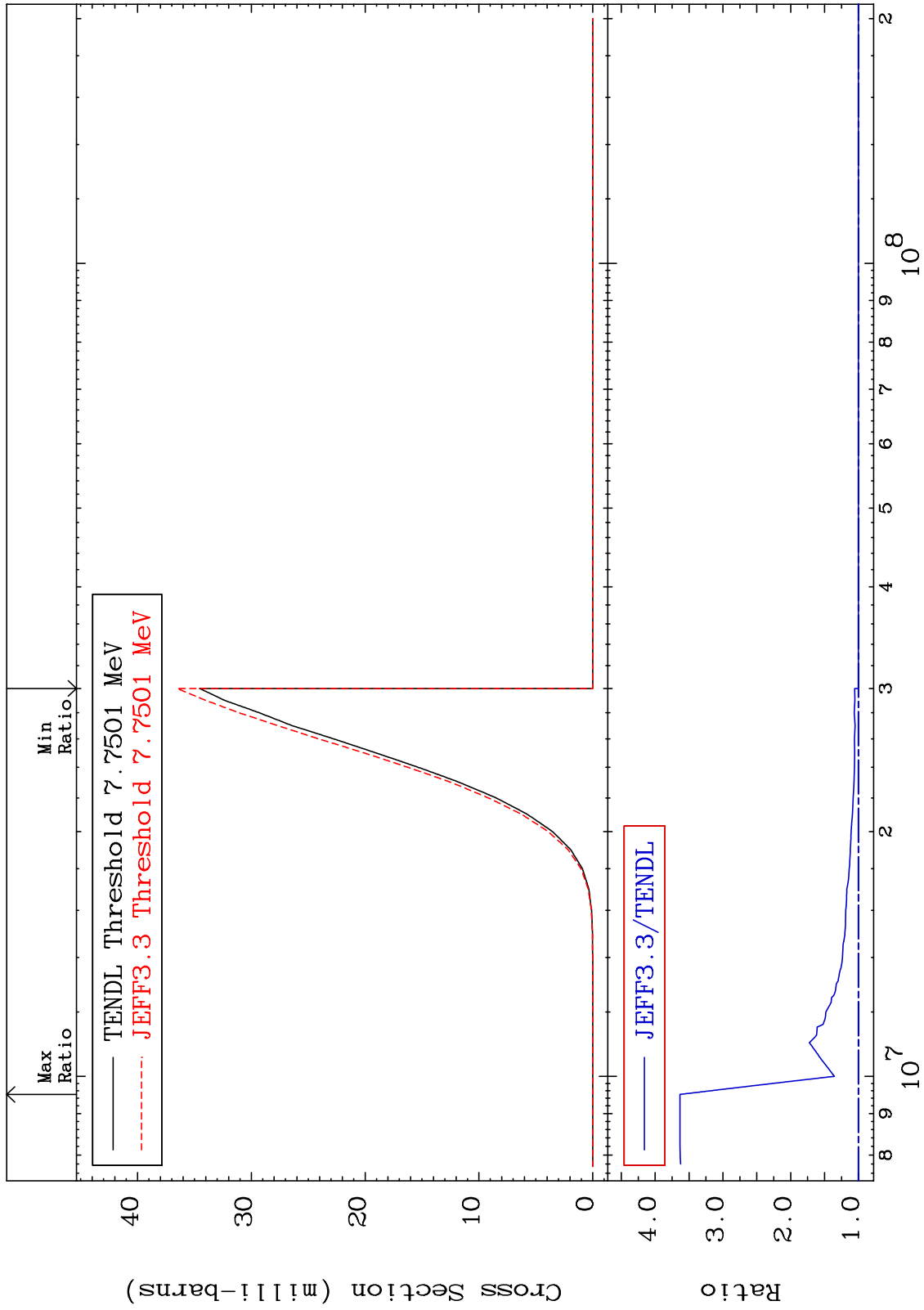


80

Incident Energy (eV)

80-Hg-201

MAT 8040 (n, n') p:79-Au-200g 80-Hg-201
 Radionuclide Production Cross Section 0.000 To 263.3 %

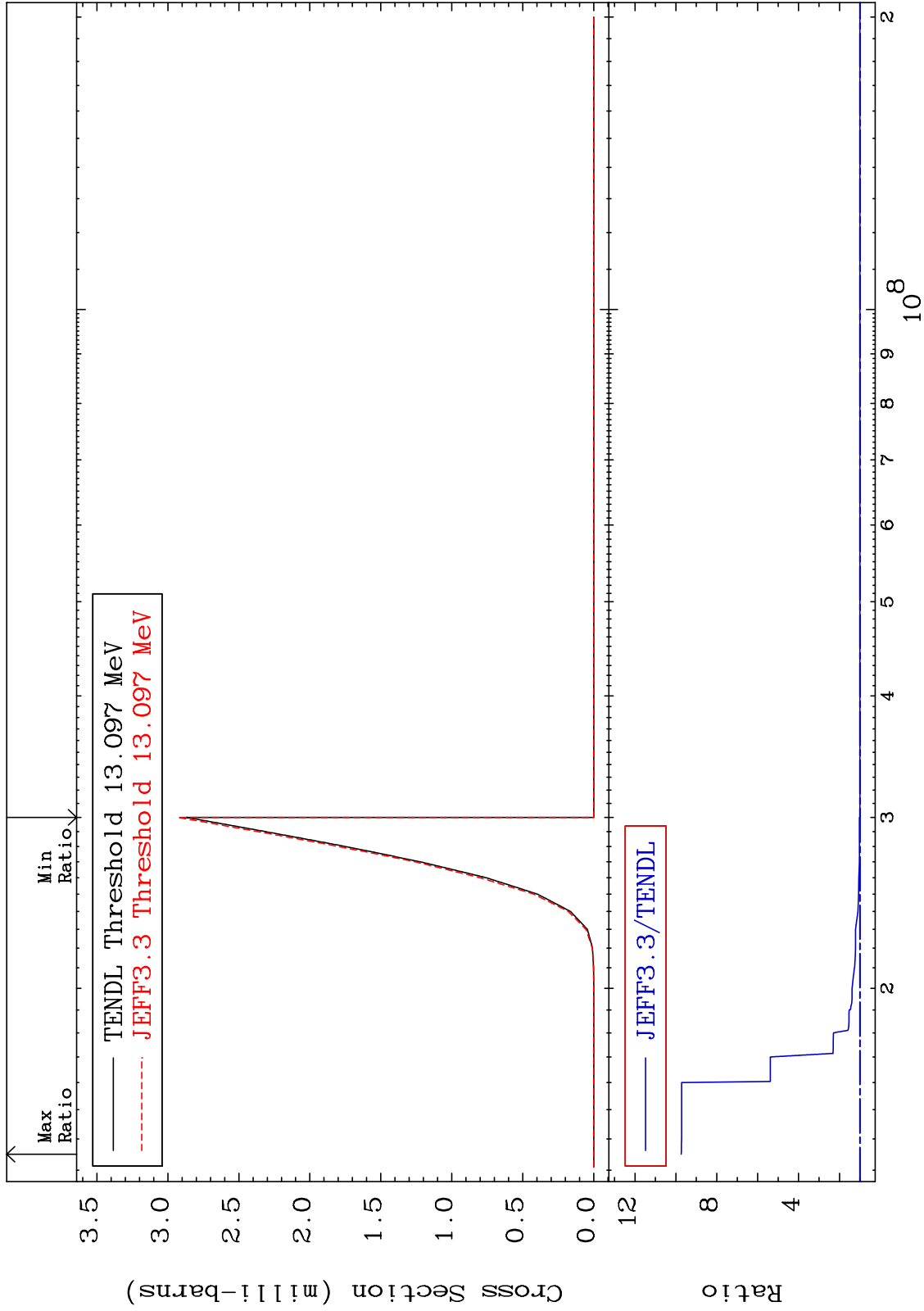


MAT 8040

(n, n') t:79-Au-198g

80-Hg-201

Radionuclide Production Cross Section 0.000 To 873.8 %

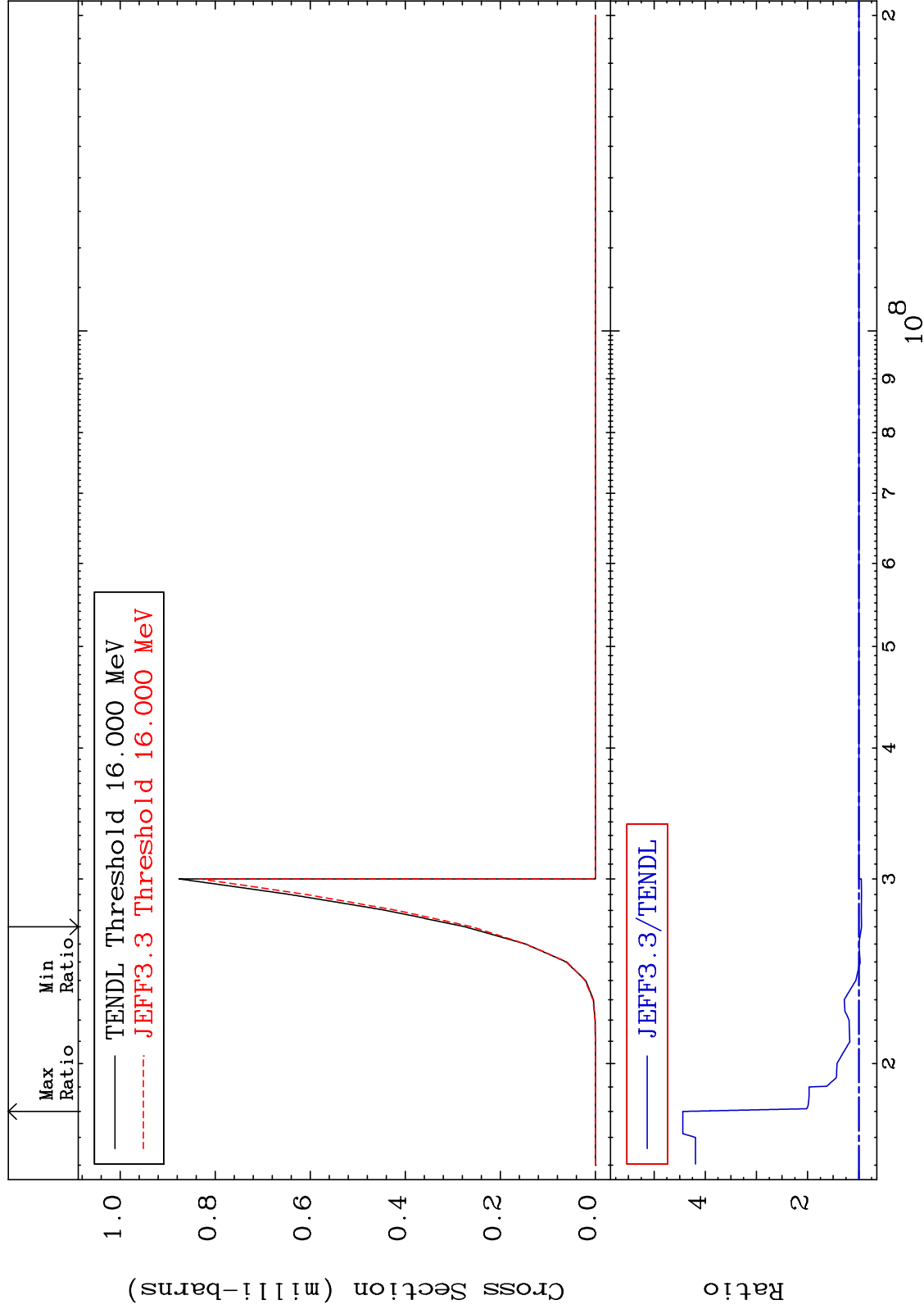


MAT 8040

(n, n') t:79-Au-198m10

80-Hg-201

Radionuclide Production Cross Section -5.406 To 343.7 %

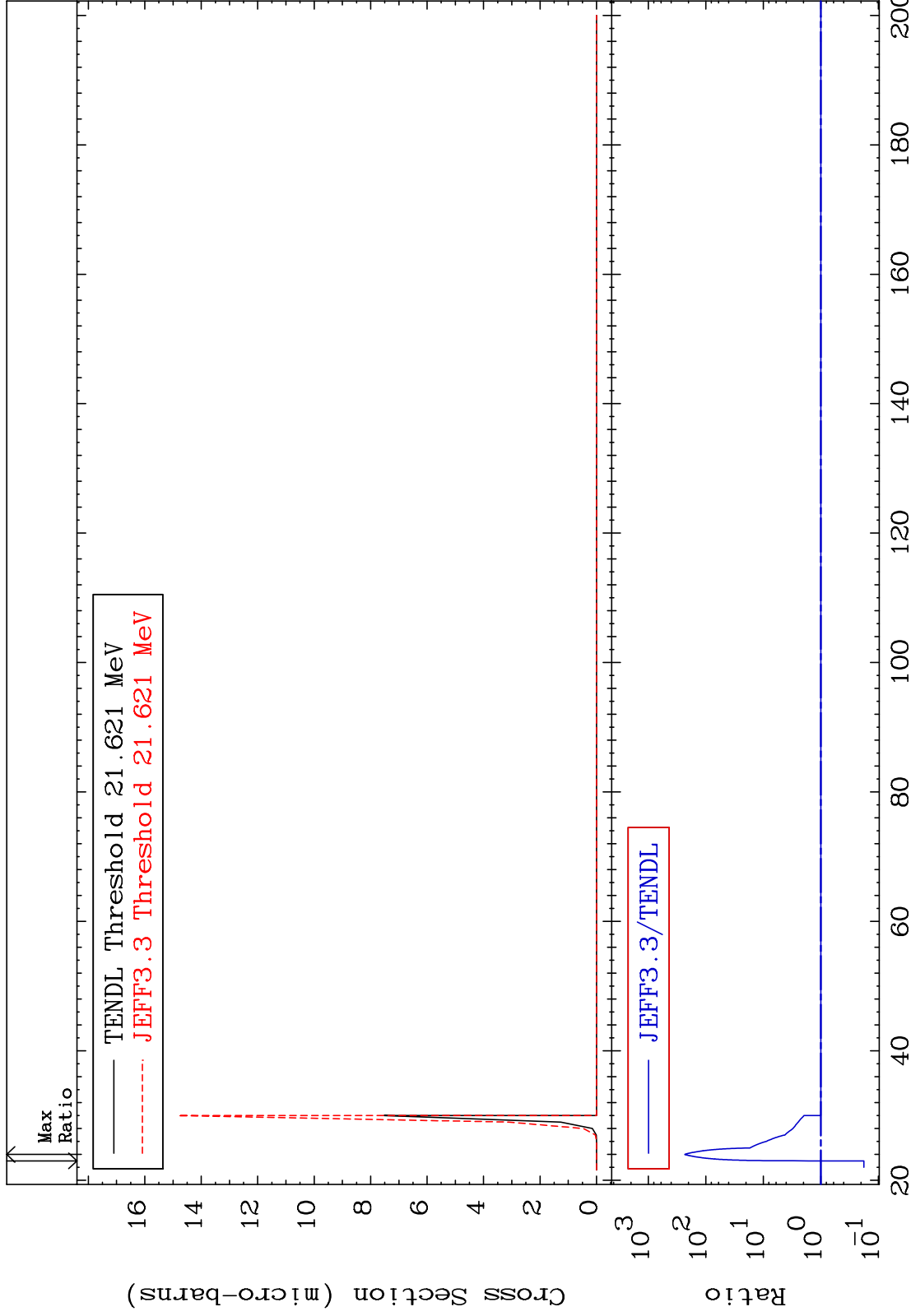


MAT 8040

(n,3n) p:79-Au-198g

80-Hg-201

Radionuclide Production Cross Section -82.23 To 9999. %

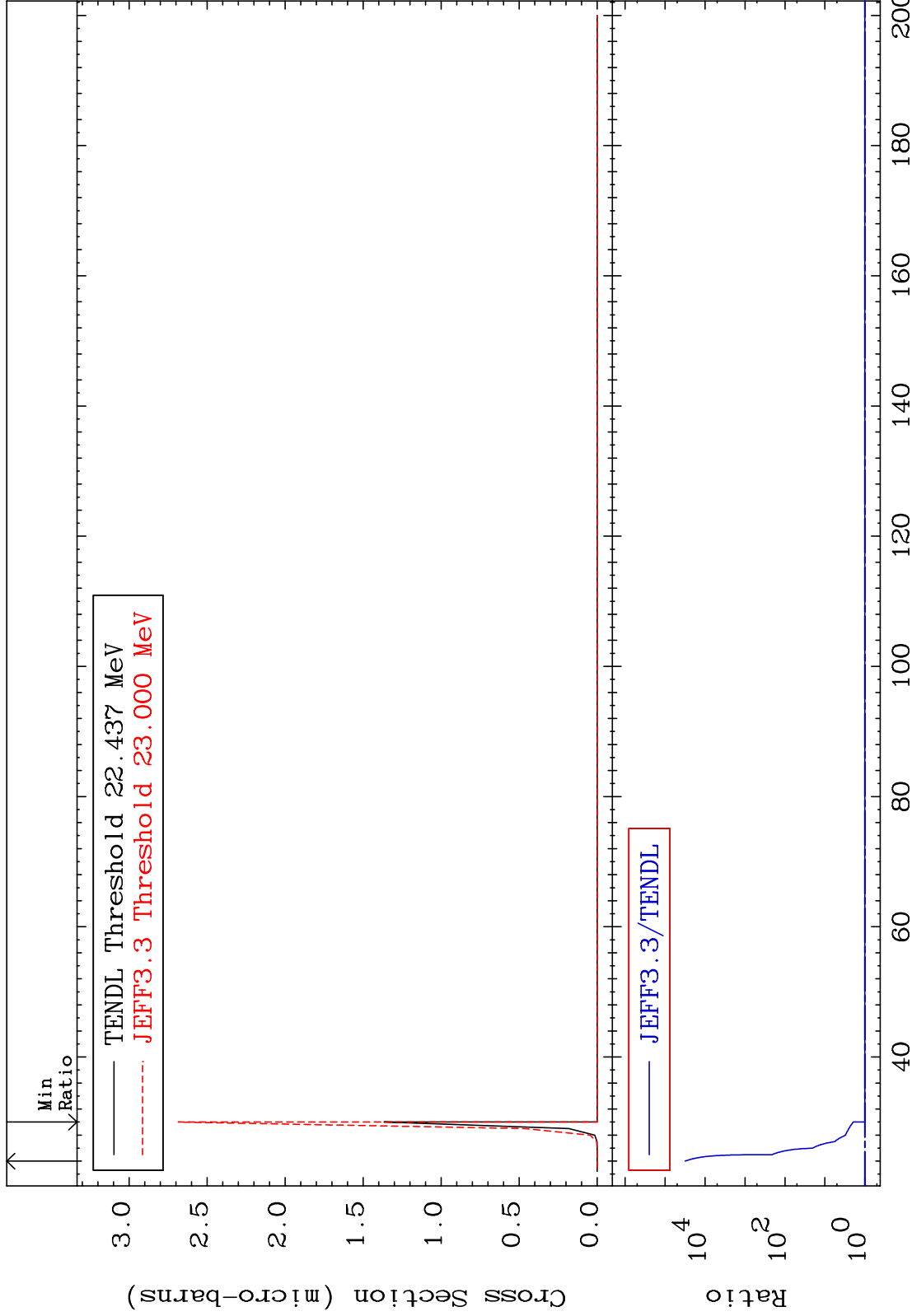


MAT 8040

(n,3n) p:79-Au-198m10

80-Hg-201

Radionuclide Production Cross Section 0.000 To 9999. %

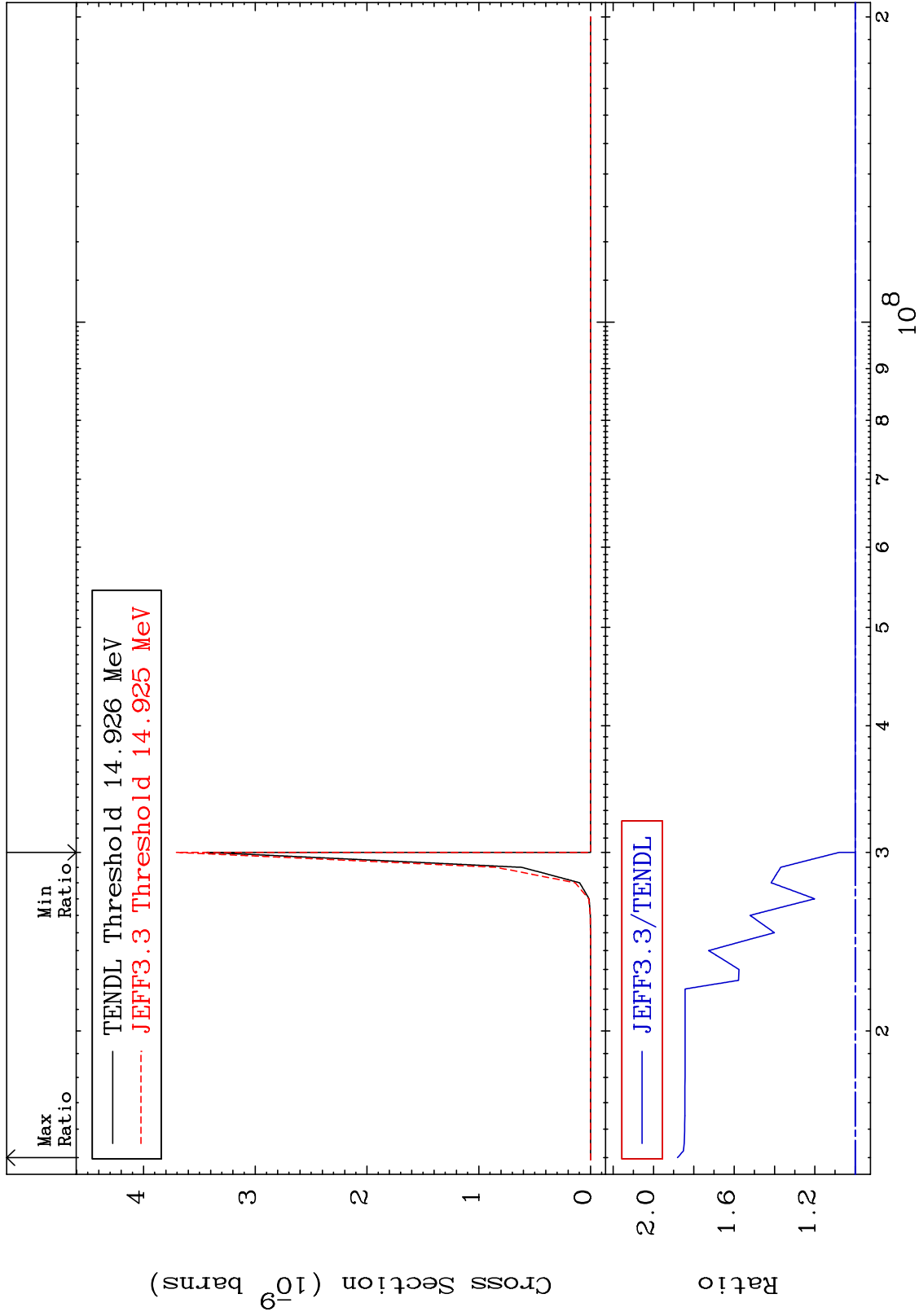


MAT 8040

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

80-Hg-201

Radionuclide Production Cross Section 0.000 To 88.08 %

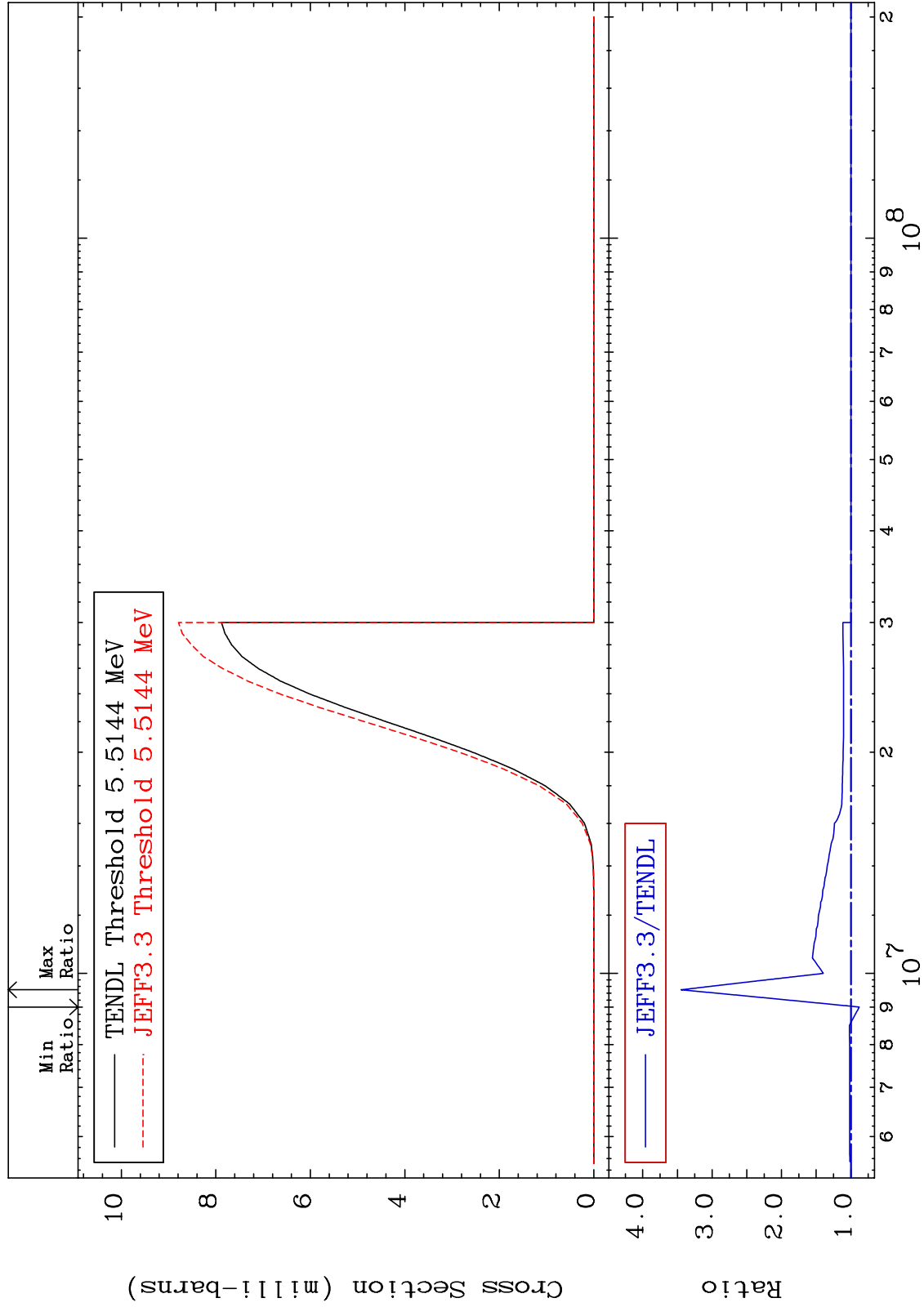


MAT 8040

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

80-Hg-201

Radionuclide Production Cross Section -12.13 To 244.8 %



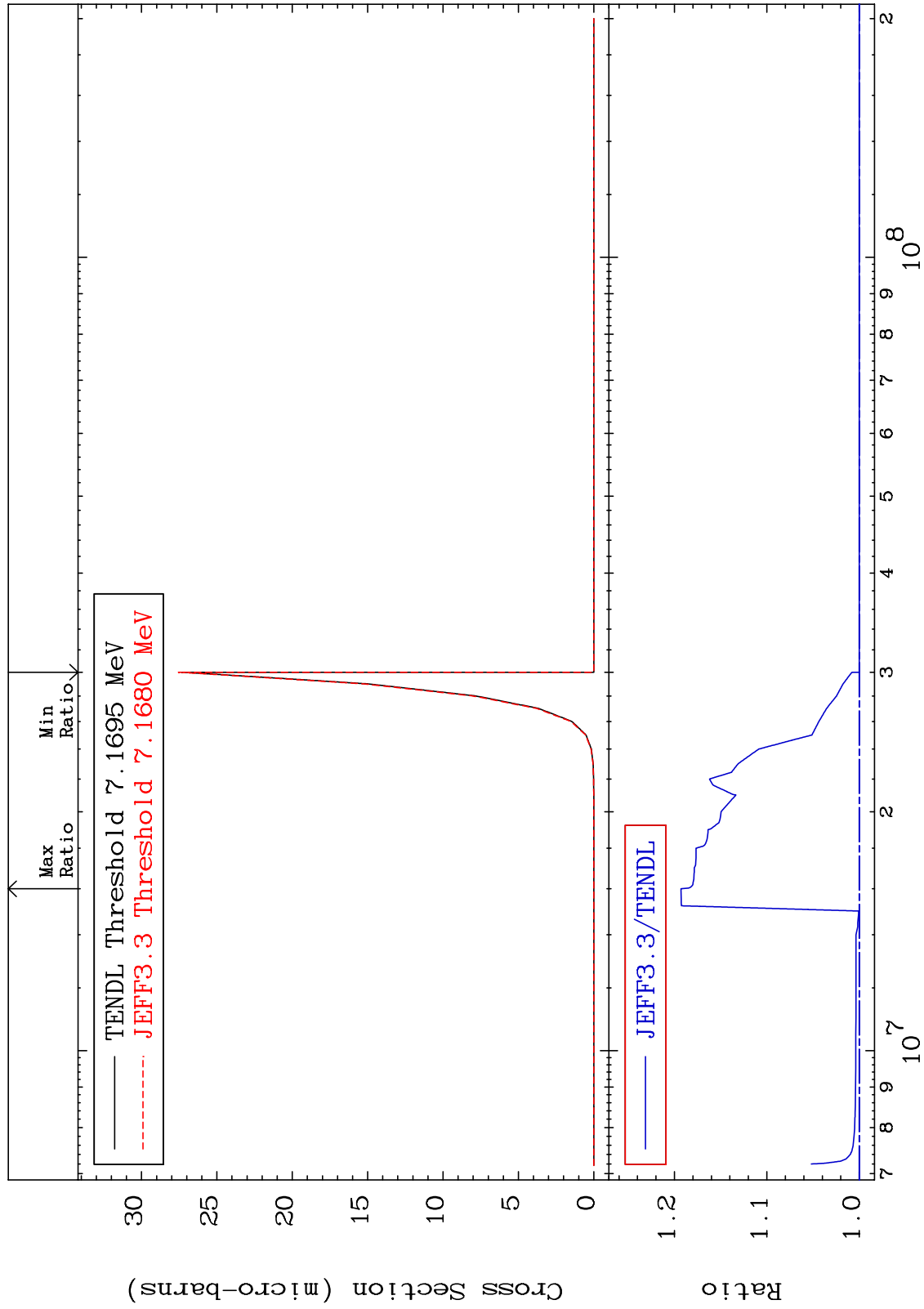
87

Incident Energy (eV)

80-Hg-201

MAT 8040

(n, He-3):78-Pt-199g 80-Hg-201
Radionuclide Production Cross Section 0.000 To 19.29 %



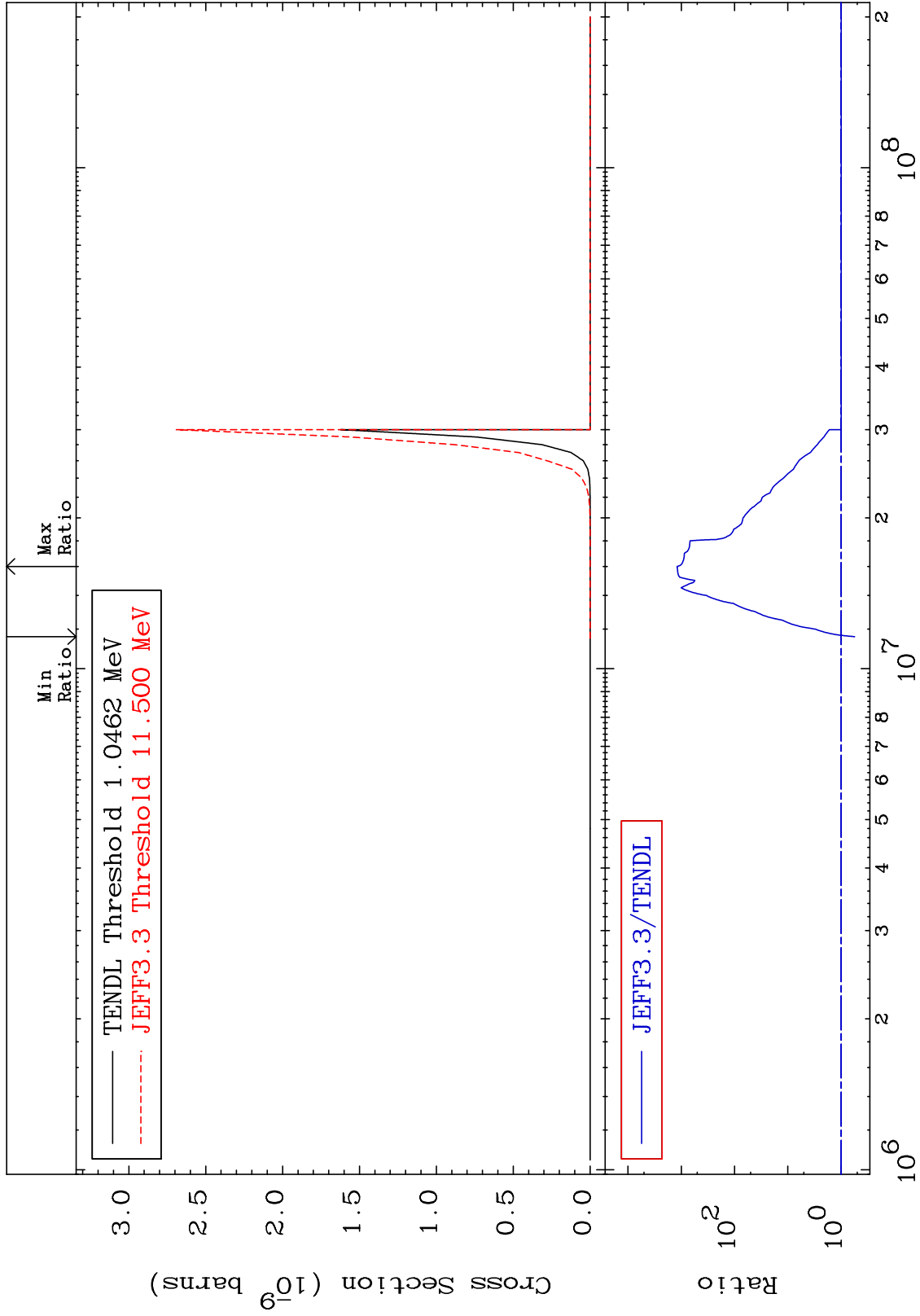
88

Incident Energy (eV)

80-Hg-201

MAT 8040

(n, p) α : 77-Ir-197g 80-Hg-201
Radionuclide Production Cross Section -44.37 To 9999. %



89

Incident Energy (eV)

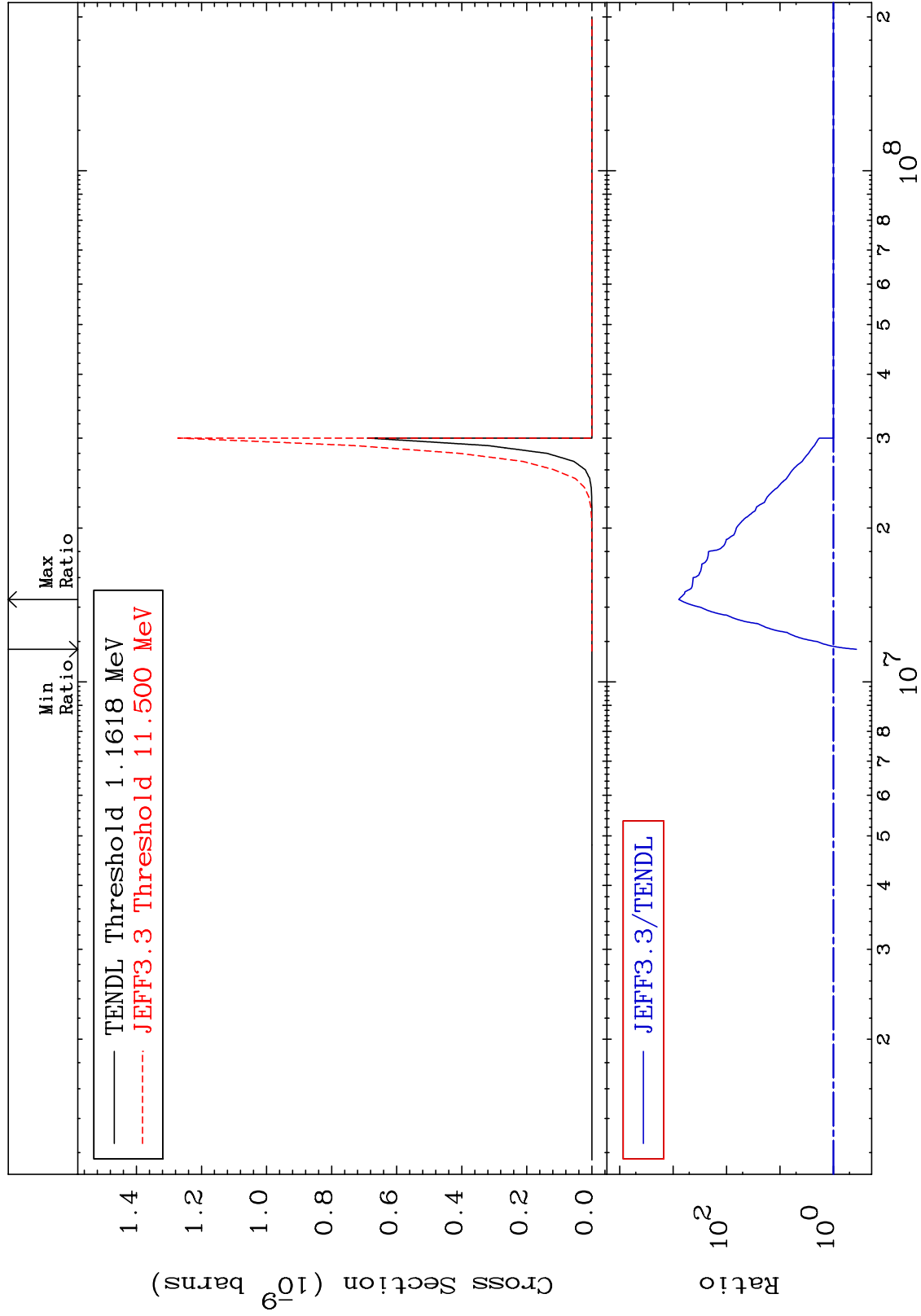
80-Hg-201

MAT 8040

(n, p) α : 77-Ir-197m2

80-Hg-201

Radionuclide Production Cross Section -62.97 To 9999. %



90

Incident Energy (eV)

80-Hg-201