

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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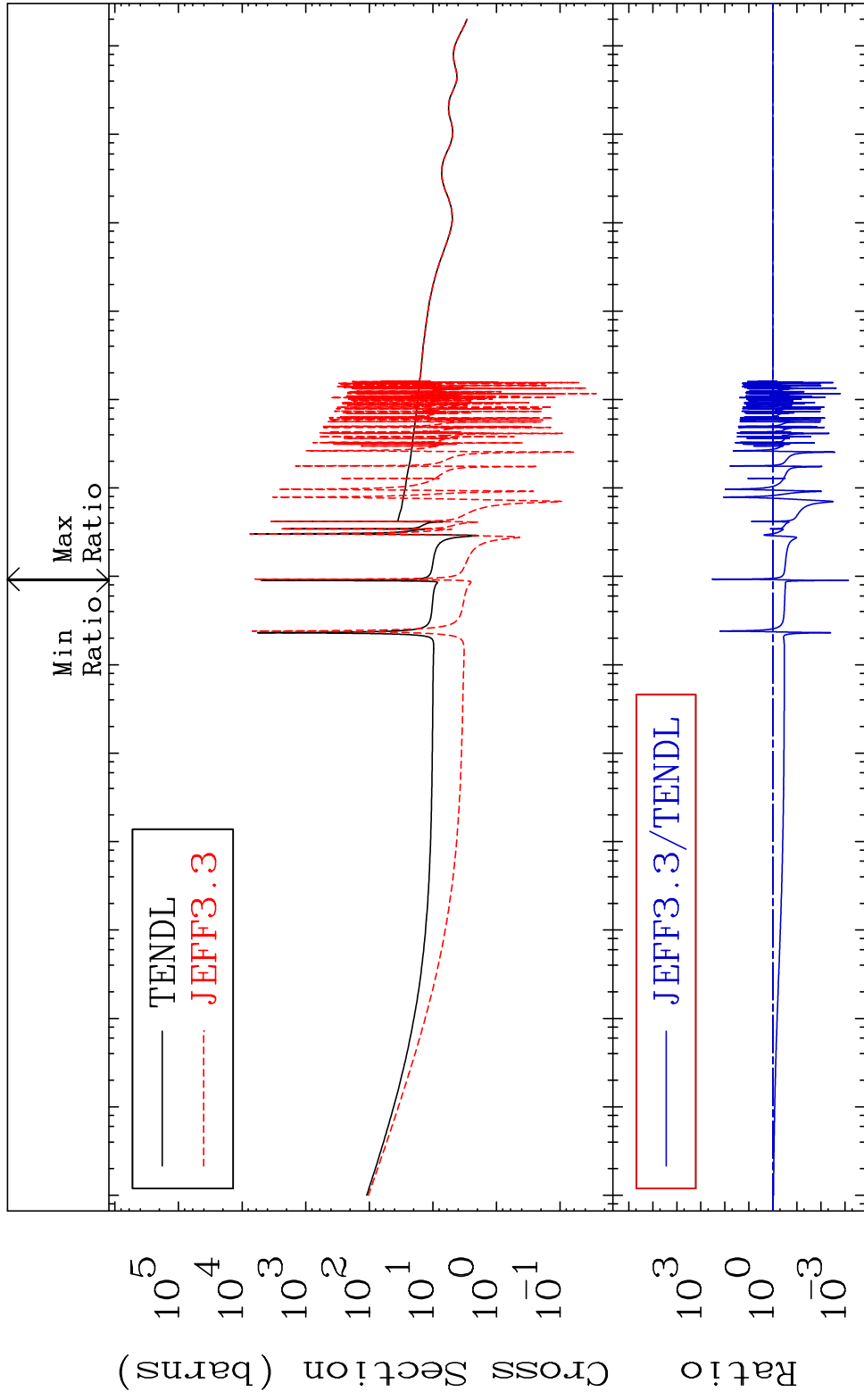
Press Mouse Button to Start

MAT 8031

Total

80-Hg-198

Cross Section -99.93 To 9999. %



1

Incident Energy (eV)

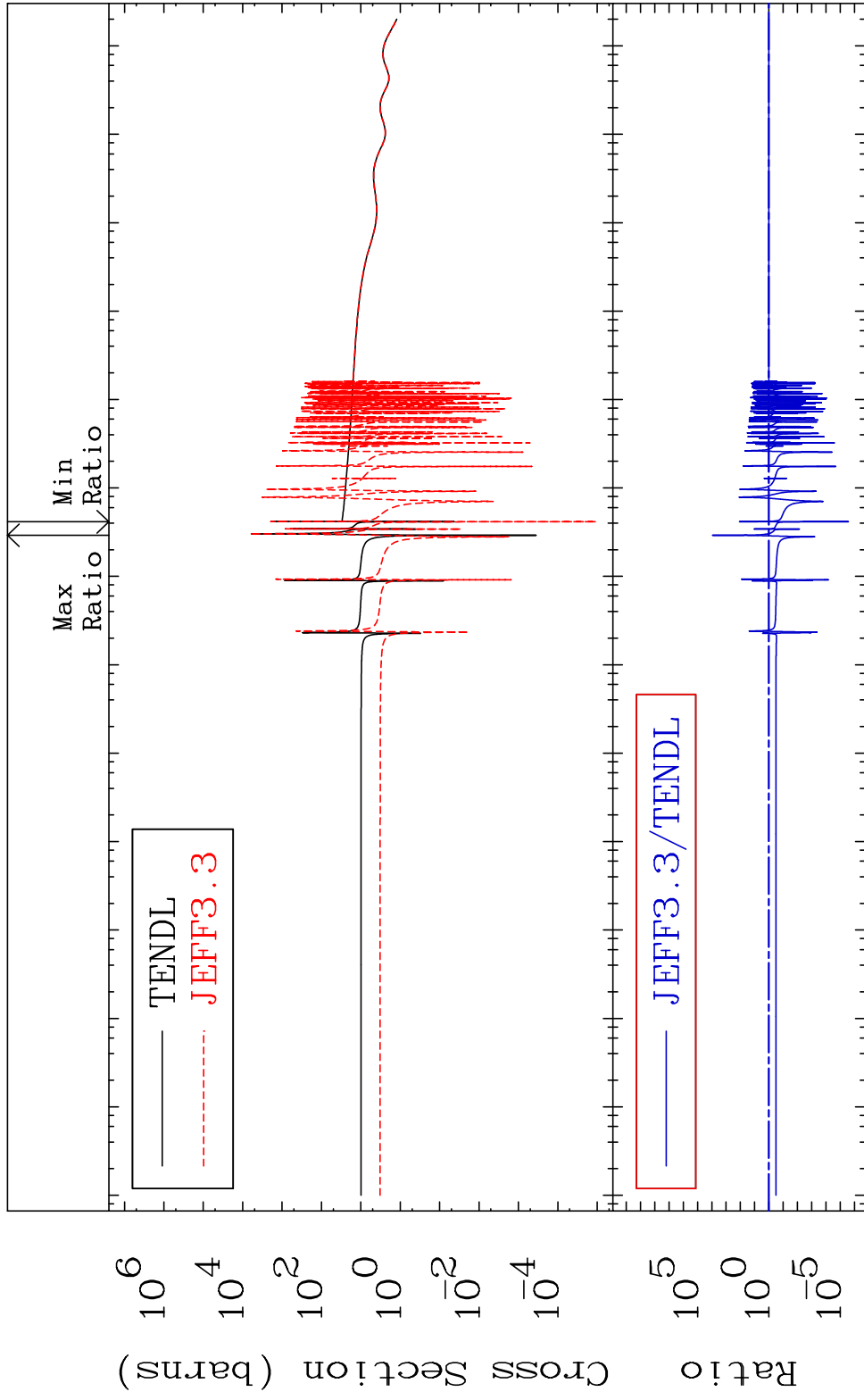
80-Hg-198

MAT 8031

Elastic

80-Hg-198

Cross Section -100.0 To 9999. %

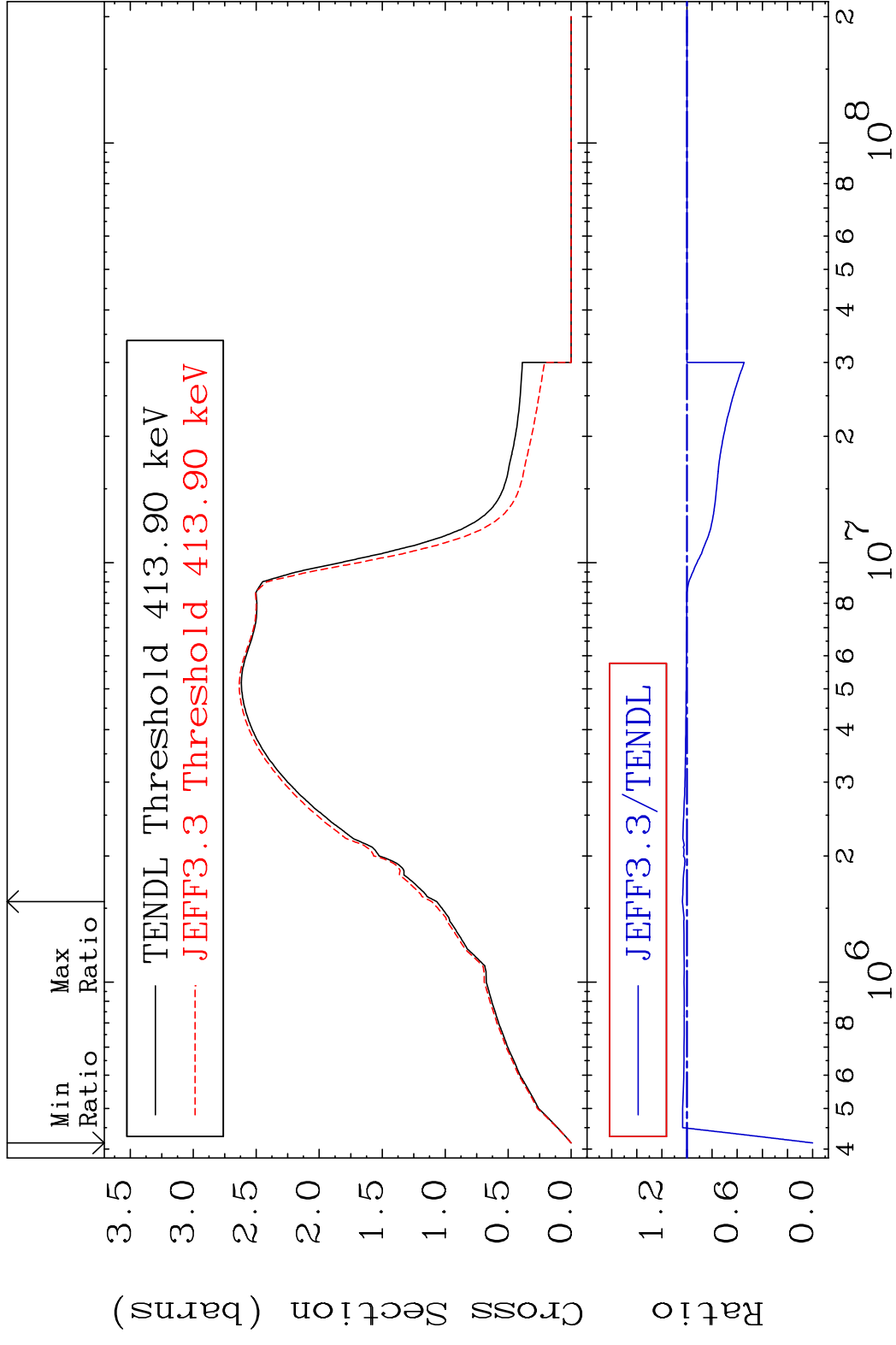


2

Incident Energy (eV)

80-Hg-198

MAT 8031 Inelastic 80-Hg-198
 Cross Section -100.0 To 3.708 %



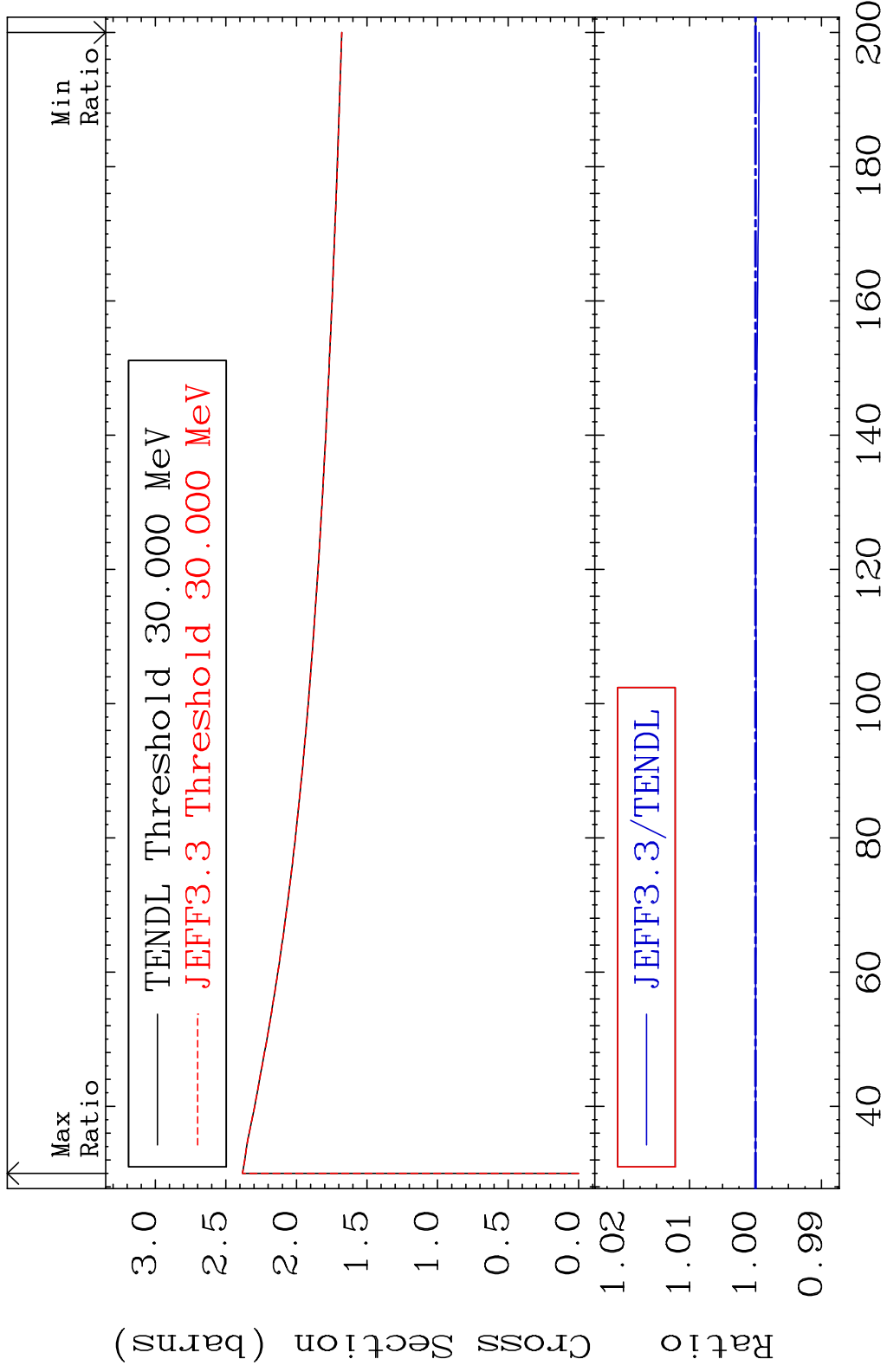
3 Incident Energy (eV) 80-Hg-198

MAT 8031

(n, remainder)

80-Hg-198

Cross Section -0.055 To 0.000 %

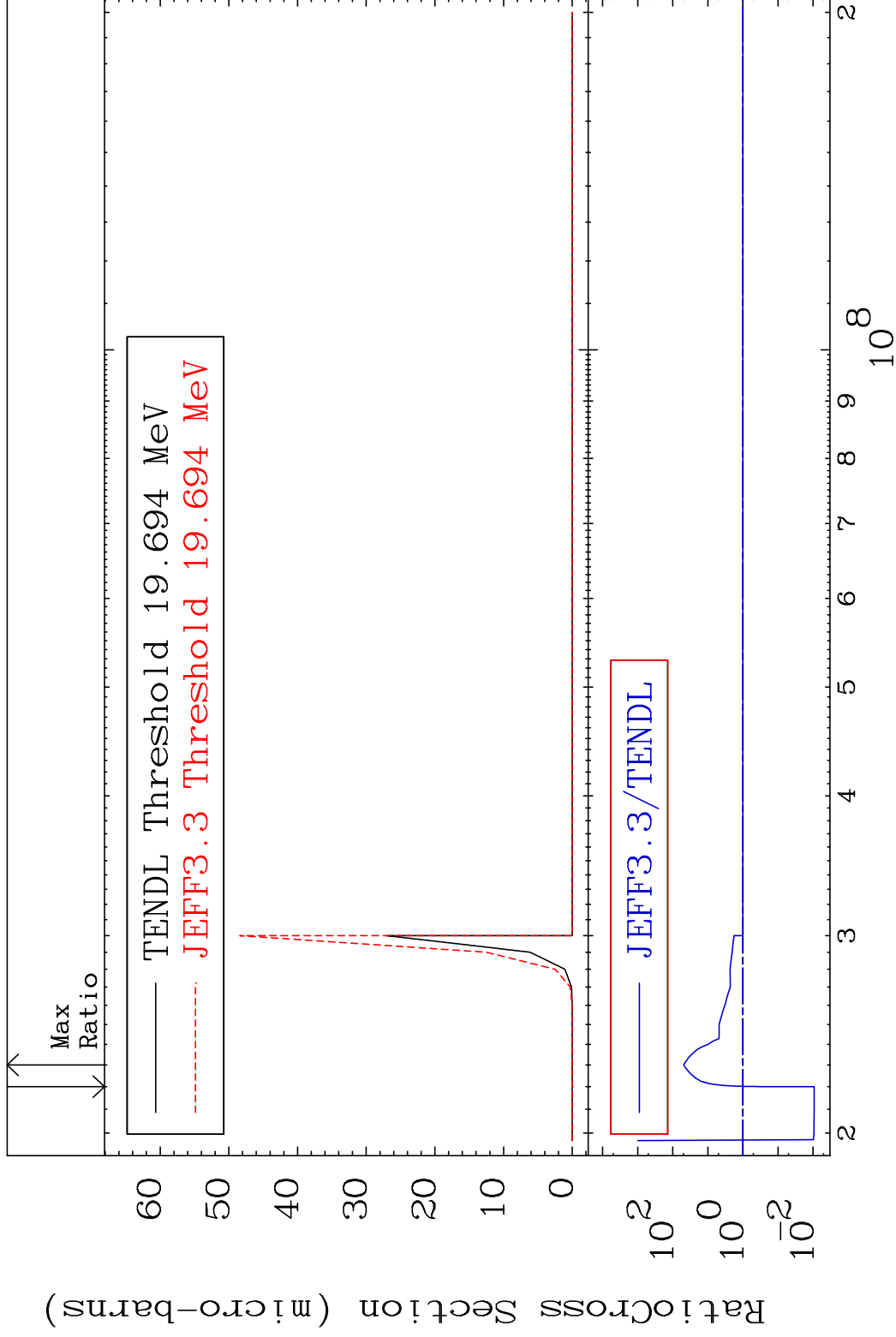


MAT 8031

(n,2n) d

80-Hg-198

Cross Section -99.07 To 4801. %



5

Incident Energy (eV)

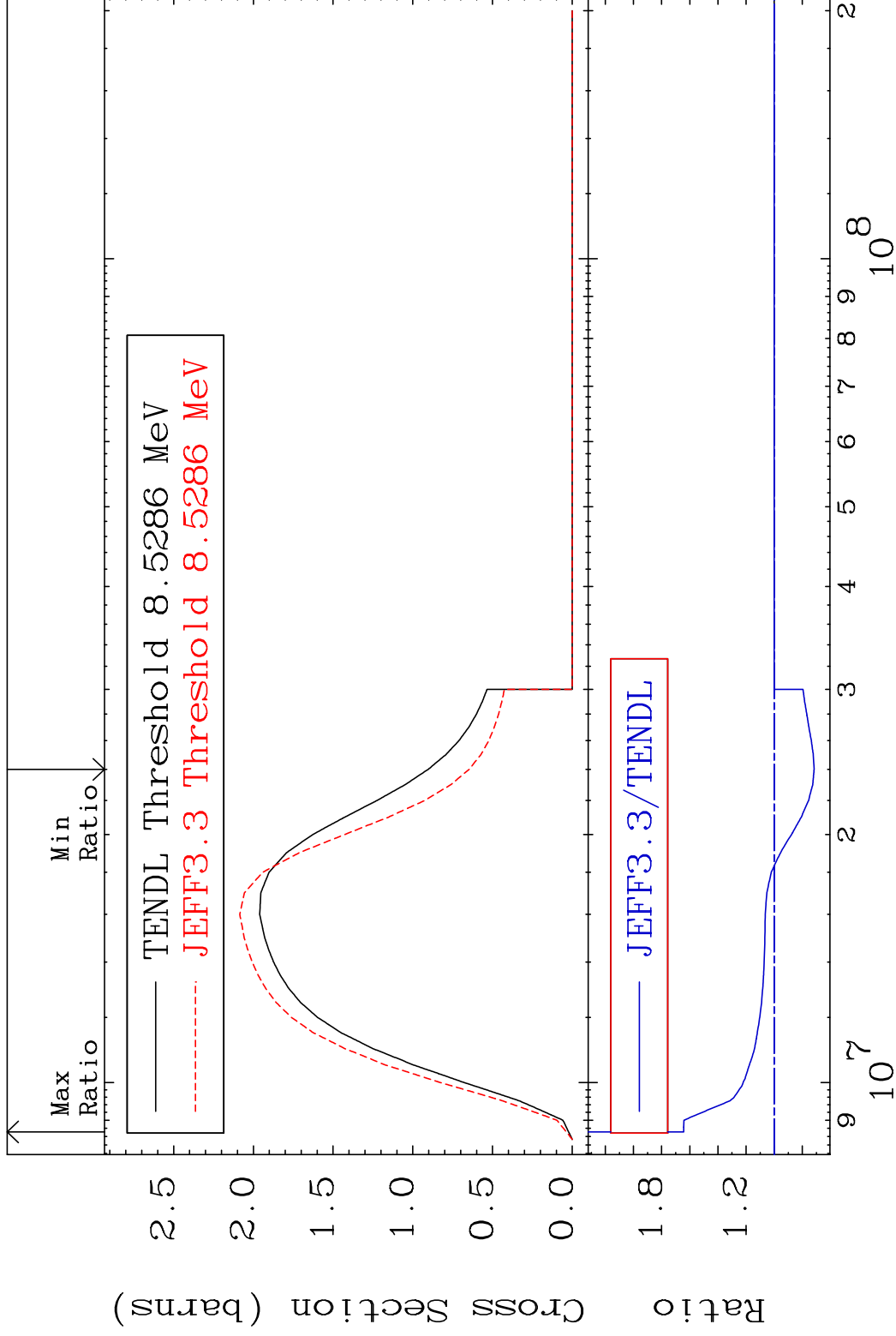
80-Hg-198

MAT 8031

(n,2n)

80-Hg-198

Cross Section -28.35 To 64.35 %



6

Incident Energy (eV)

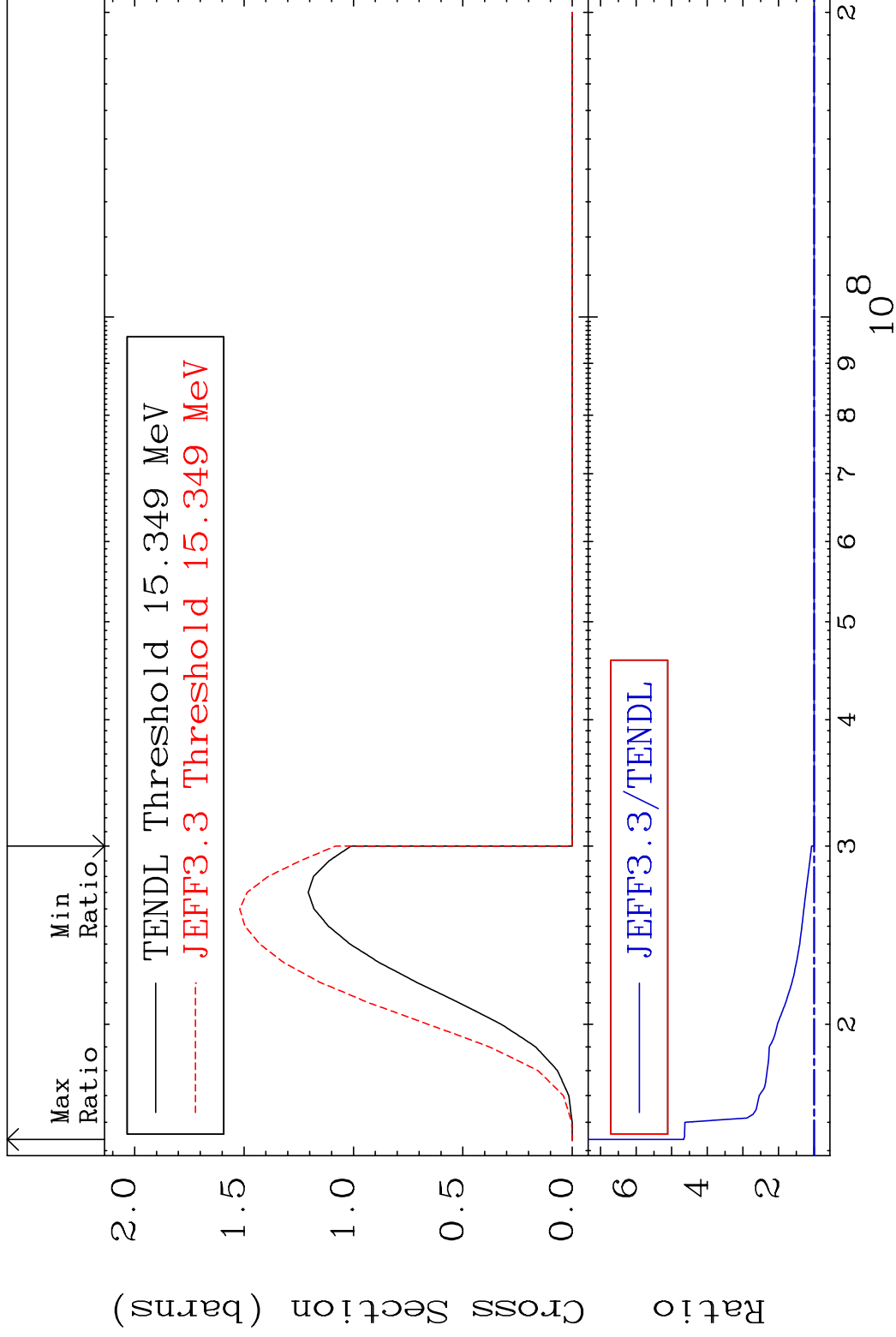
80-Hg-198

MAT 8031

(n,3n)

80-Hg-198

Cross Section 0.000 To 366.4 %



7

Incident Energy (eV)

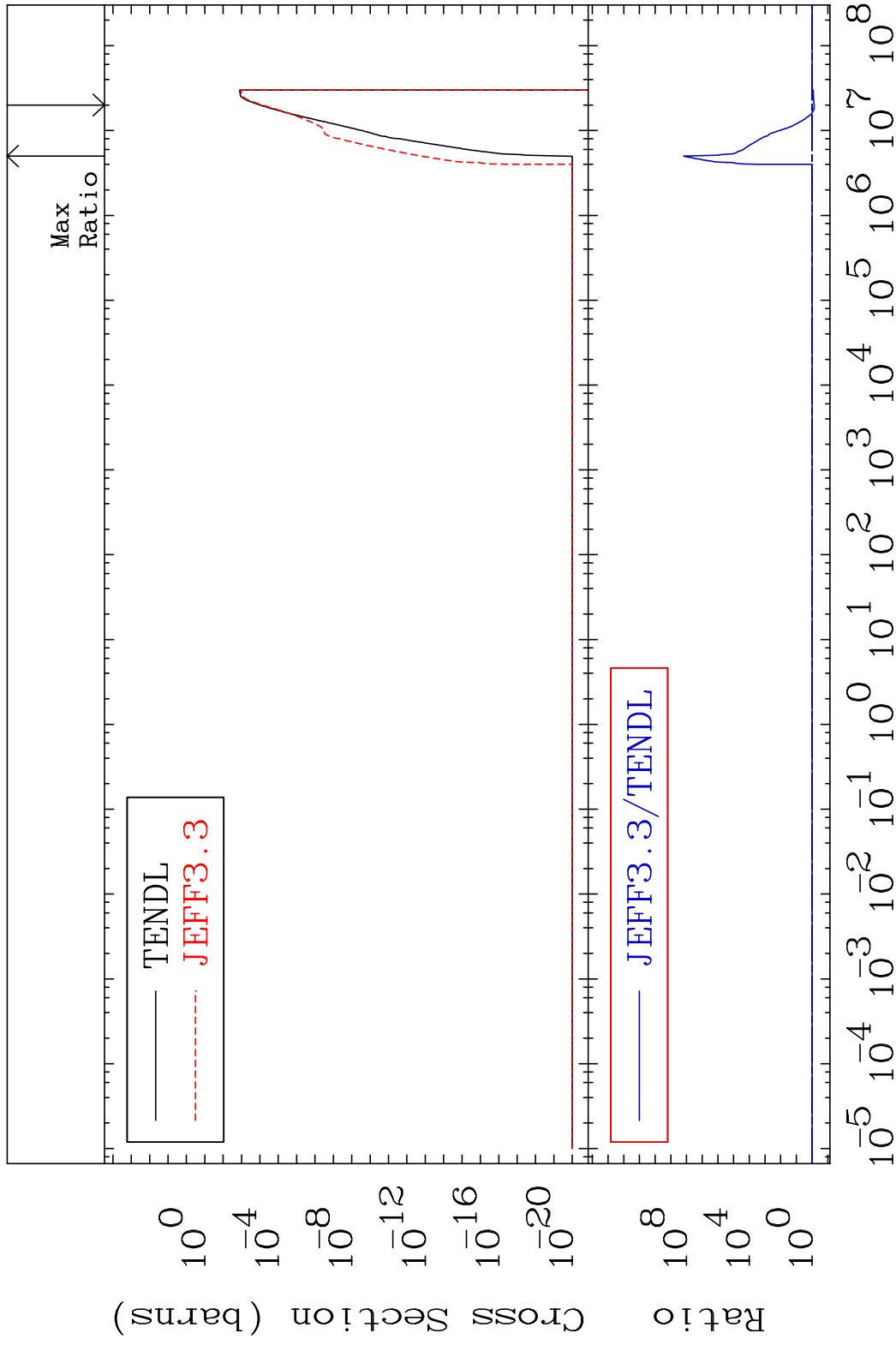
80-Hg-198

MAT 8031

(n, n') α

80-Hg-198

Cross Section -25.92 To 9999. %



8

Incident Energy (eV)

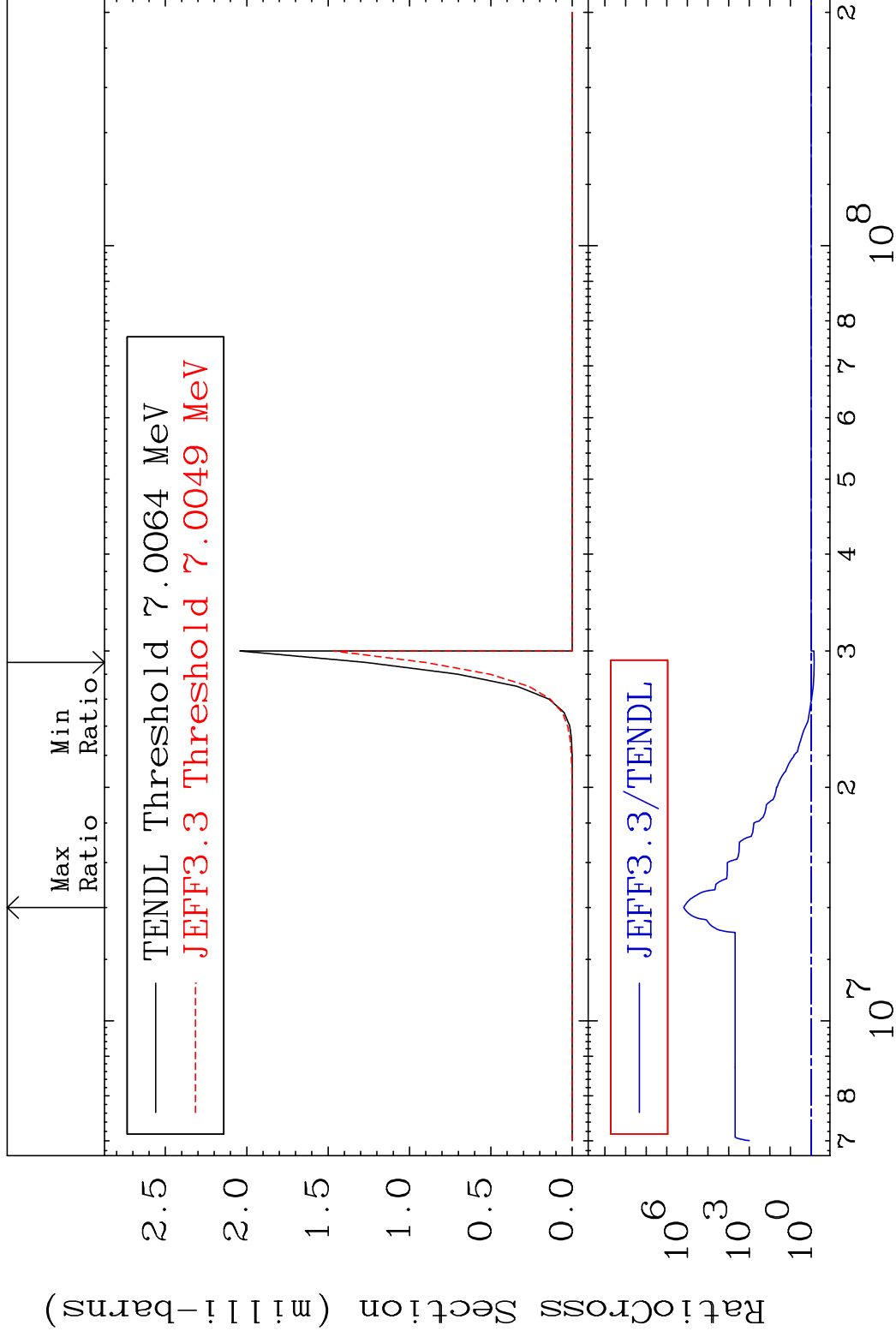
80-Hg-198

MAT 8031

(n,2n) α

80-Hg-198

Cross Section -28.68 To 9999. %



9

Incident Energy (eV)

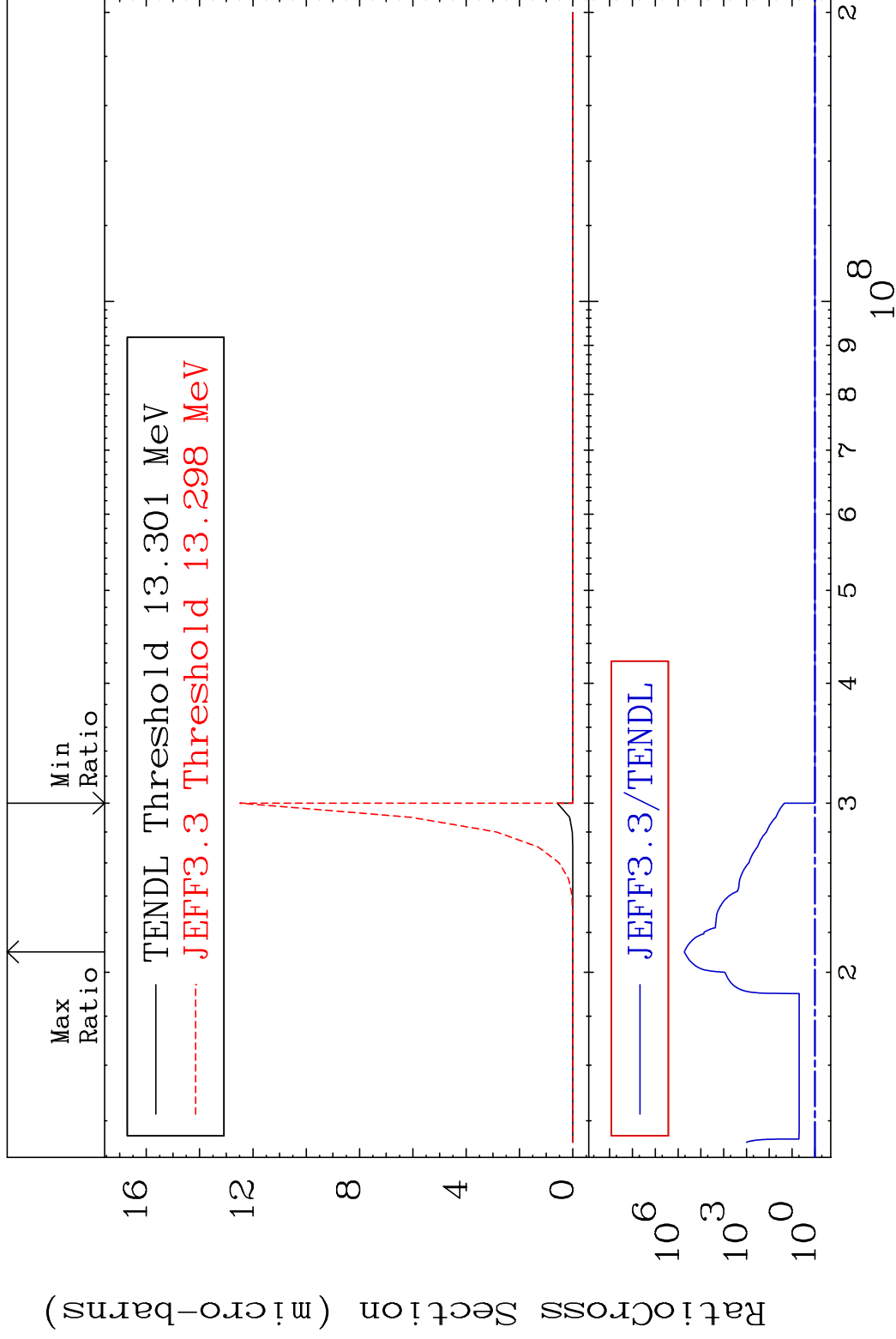
80-Hg-198

MAT 8031

(n,3n) α

80-Hg-198

Cross Section 0.000 To 9999. %

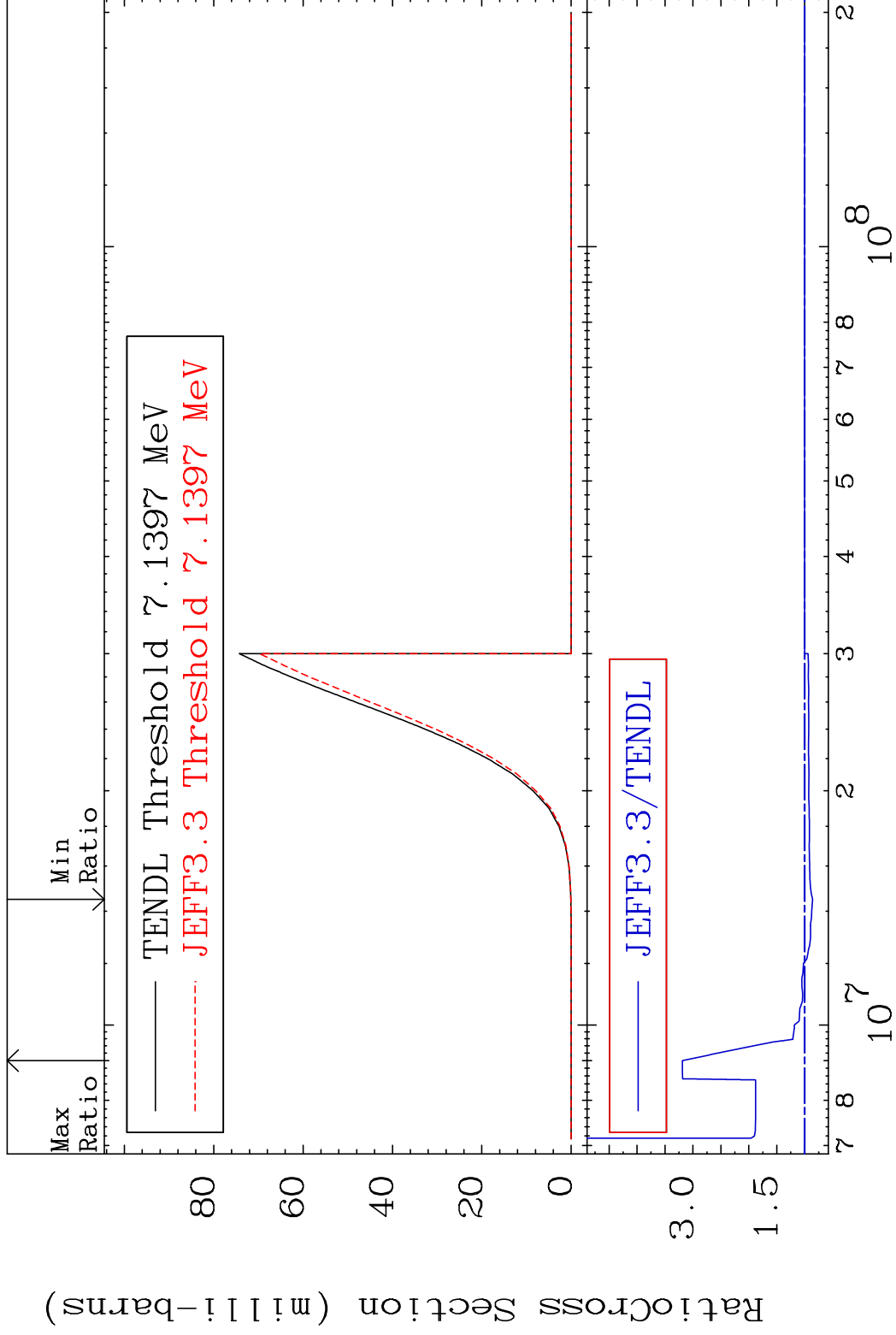


MAT 8031

(n, n') p

80-Hg-198

Cross Section -13.99 To 218.9 %



11

Incident Energy (eV)

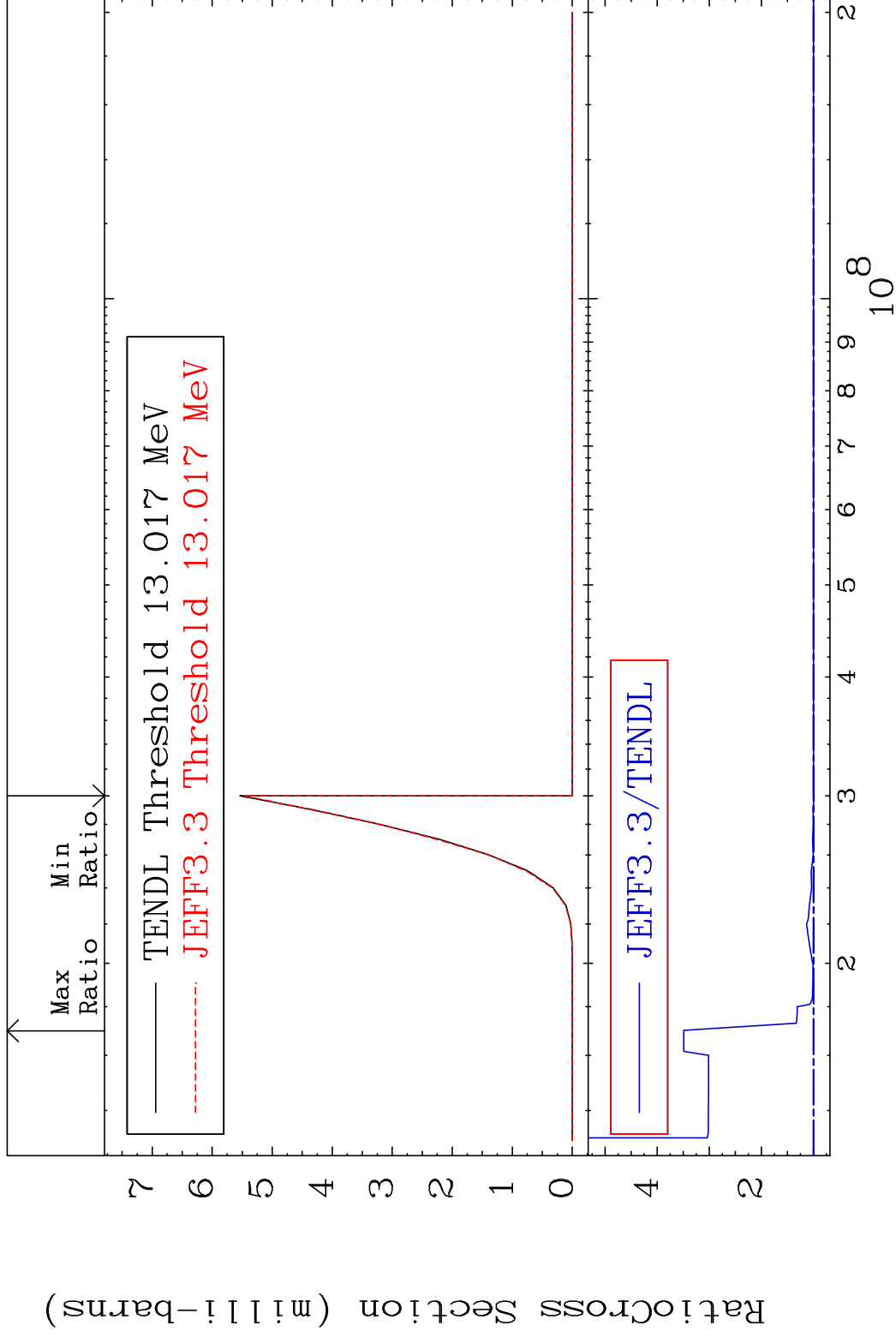
80-Hg-198

MAT 8031

(n, n') d

80-Hg-198

Cross Section -1.245 To 249.1 %



12

Incident Energy (eV)

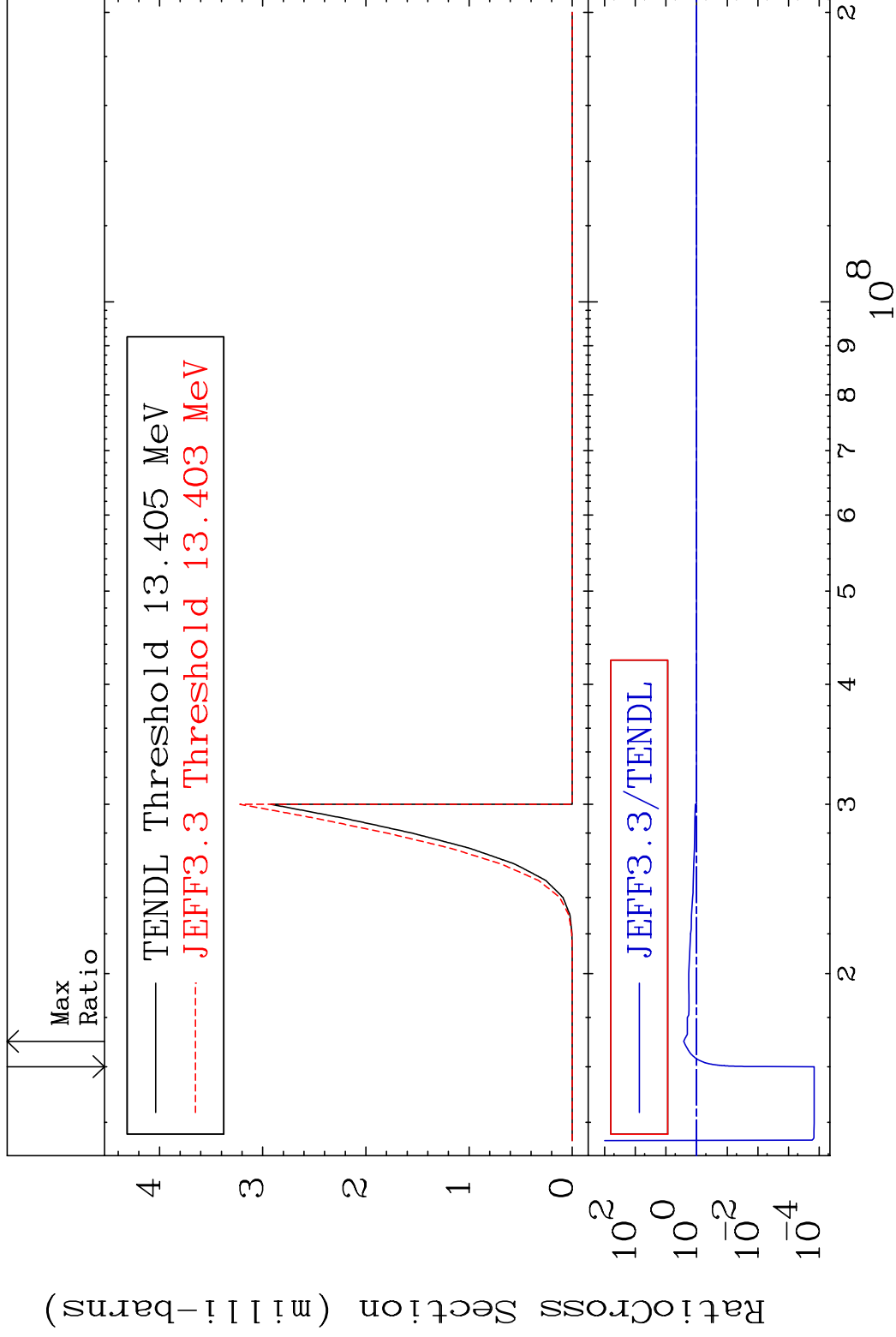
80-Hg-198

MAT 8031

(n, n') t

80-Hg-198

Cross Section -99.99 To 164.2 %

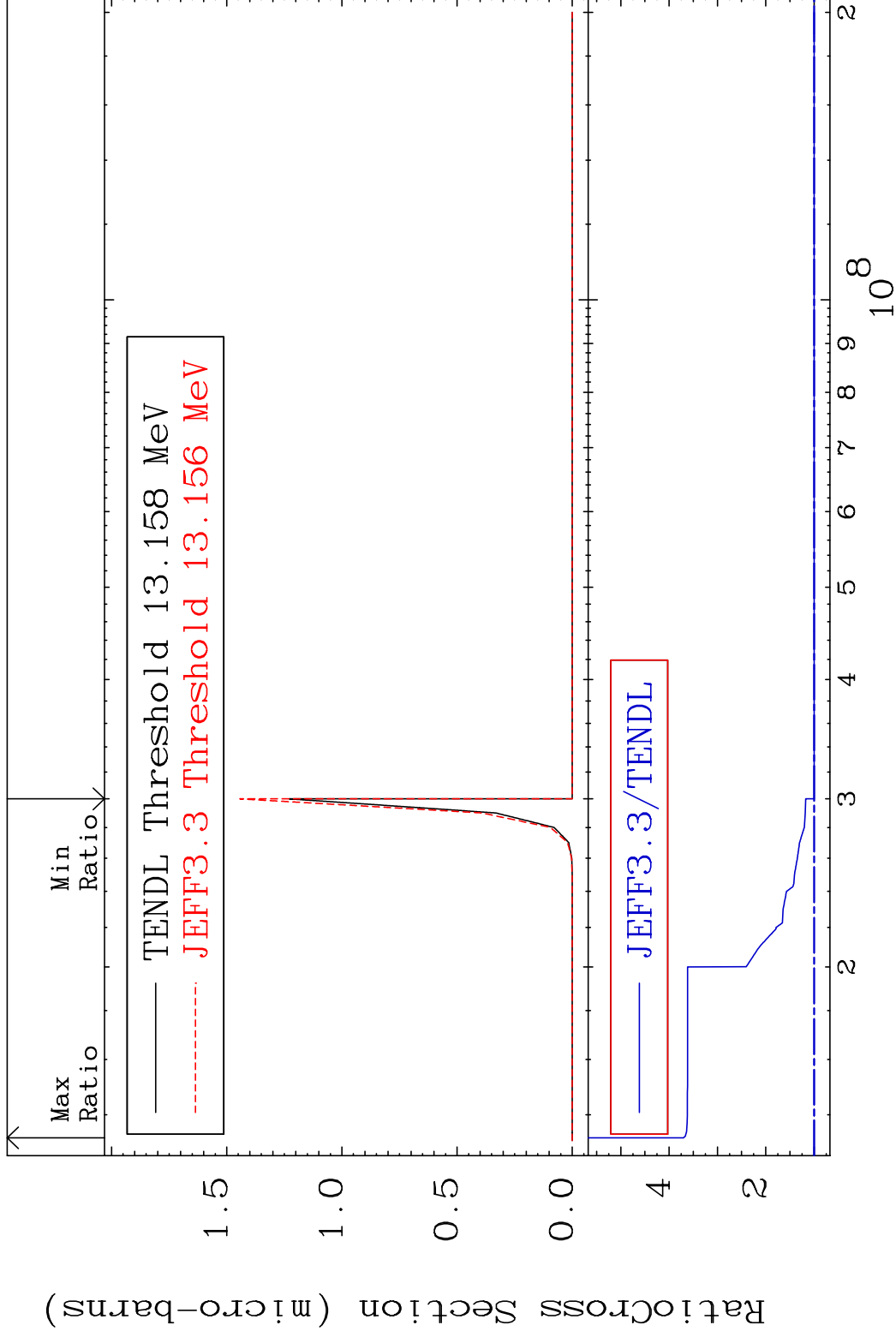


MAT 8031

(n,n') He-3

80-Hg-198

Cross Section 0.000 To 269.9 %

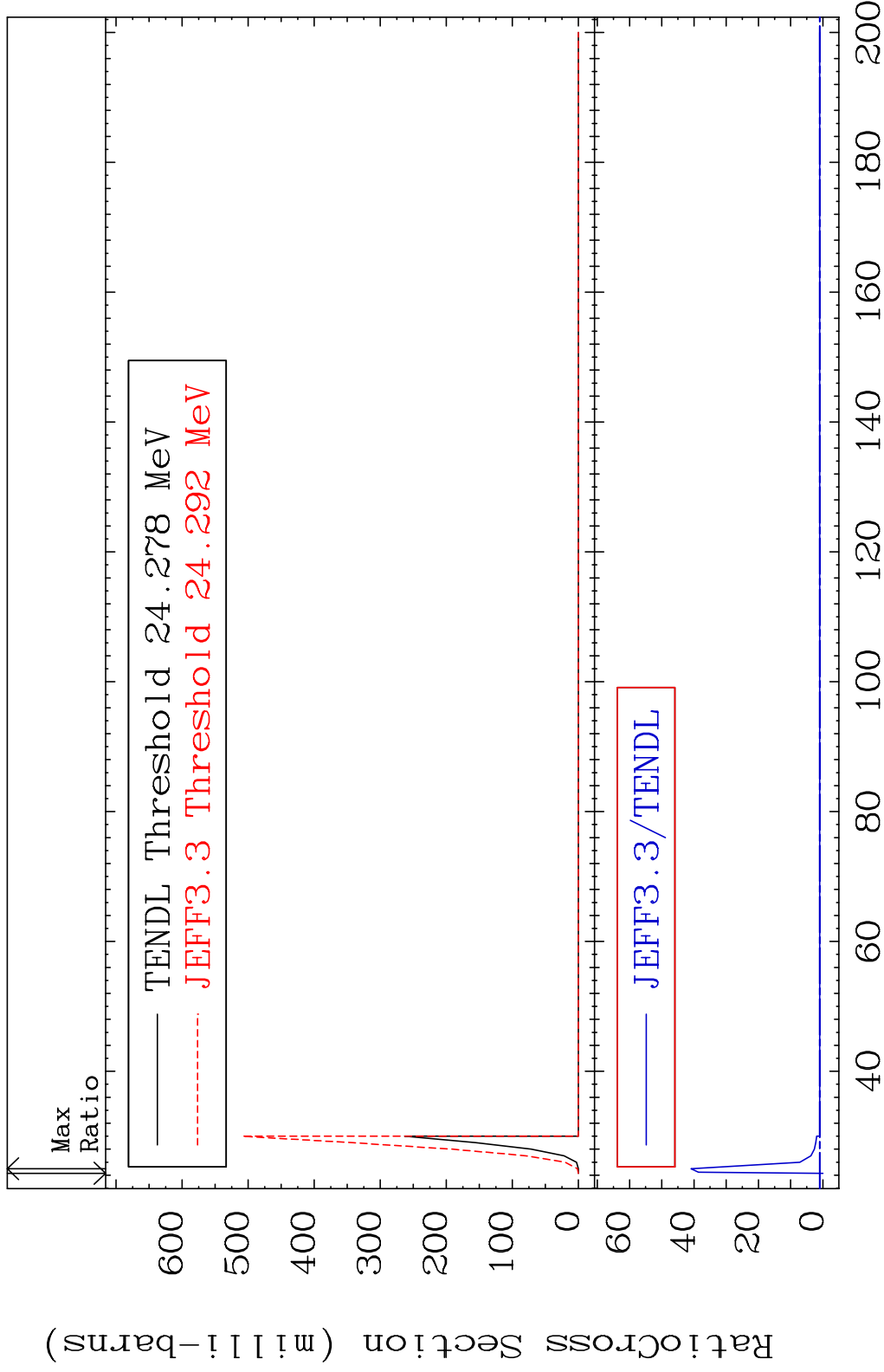


MAT 8031

(n,4n)

80-Hg-198

Cross Section -100.0 To 3992. %



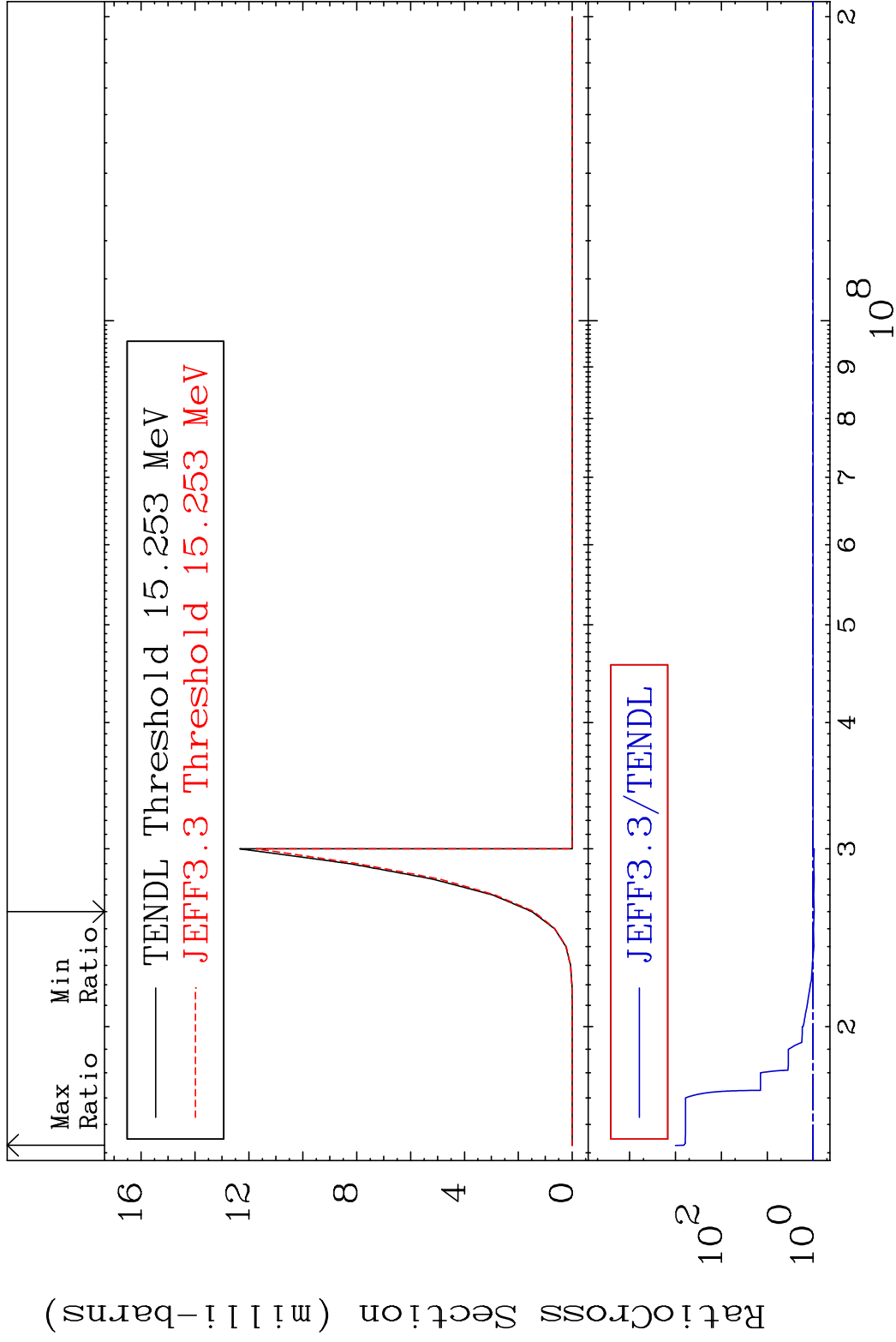
15

Incident Energy (MeV)

80-Hg-198

MAT 8031

(n,2n) p 80-Hg-198
Cross Section -5.042 To 9999. %

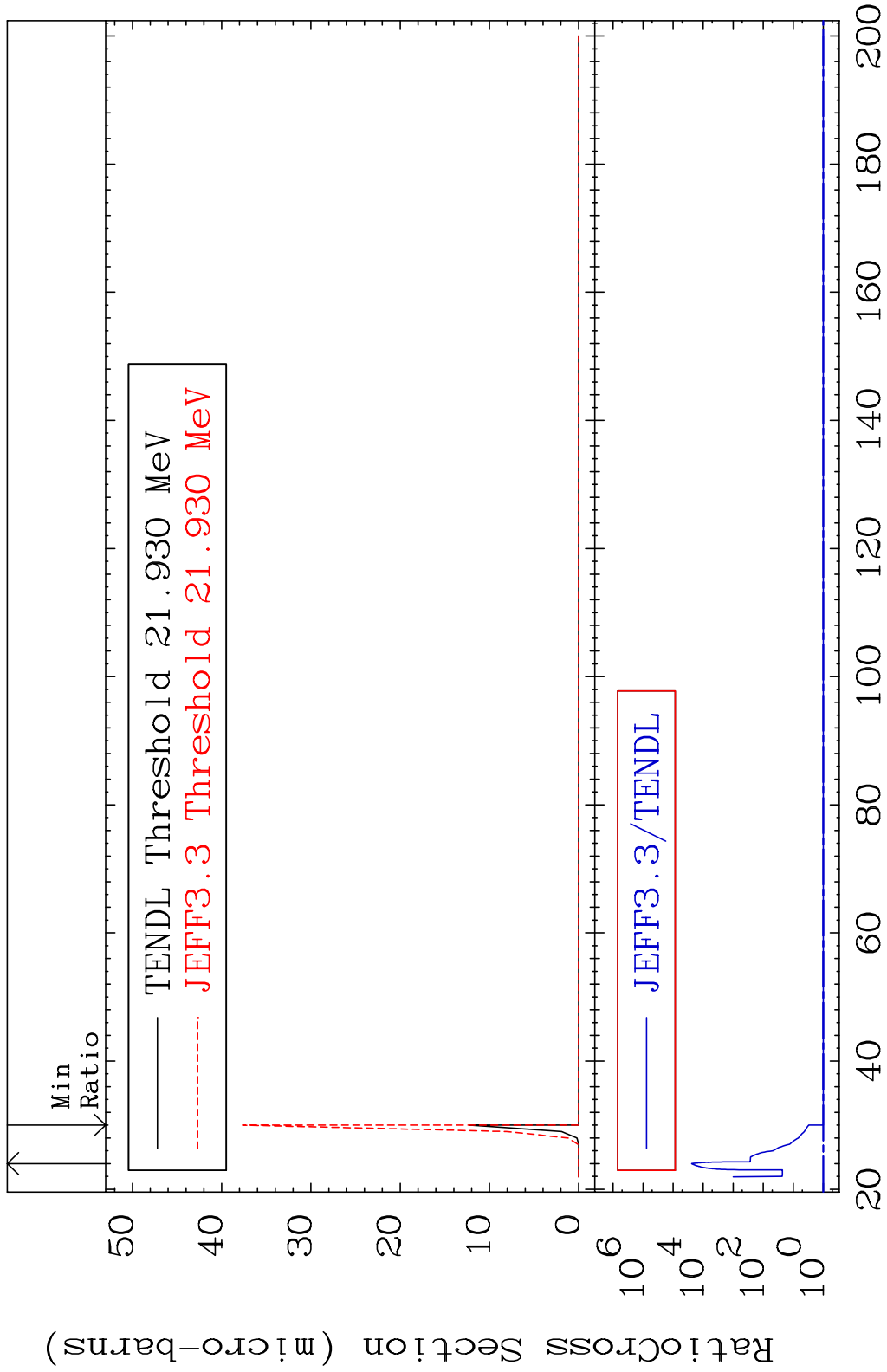


16

Incident Energy (eV)

80-Hg-198

MAT 8031 (n,3n) p 80-Hg-198
 Cross Section 0.000 To 9999. %



MAT 8031

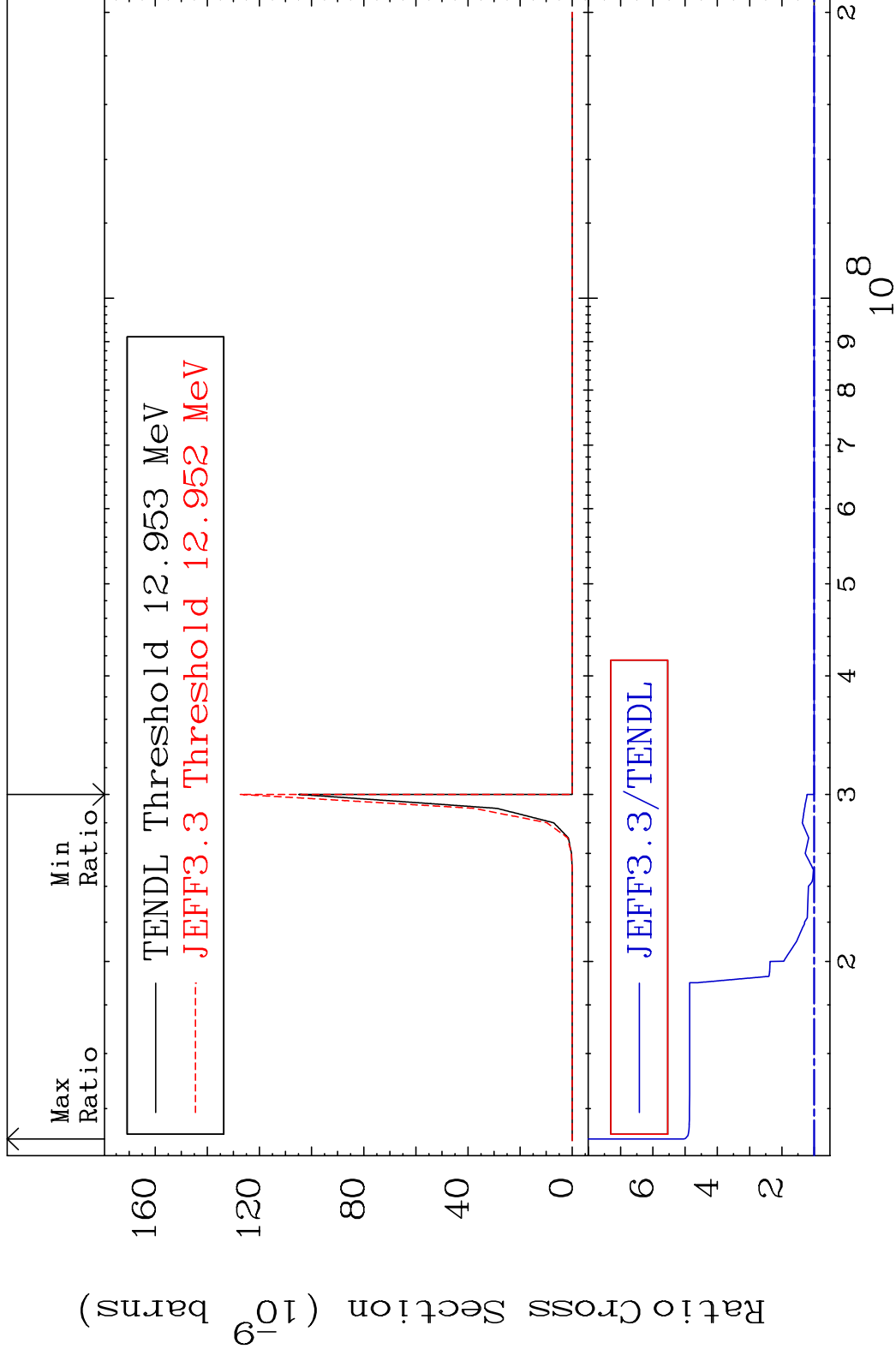
(n,2n) p

80-Hg-198

Cross Section

0.000

To 404.5 %



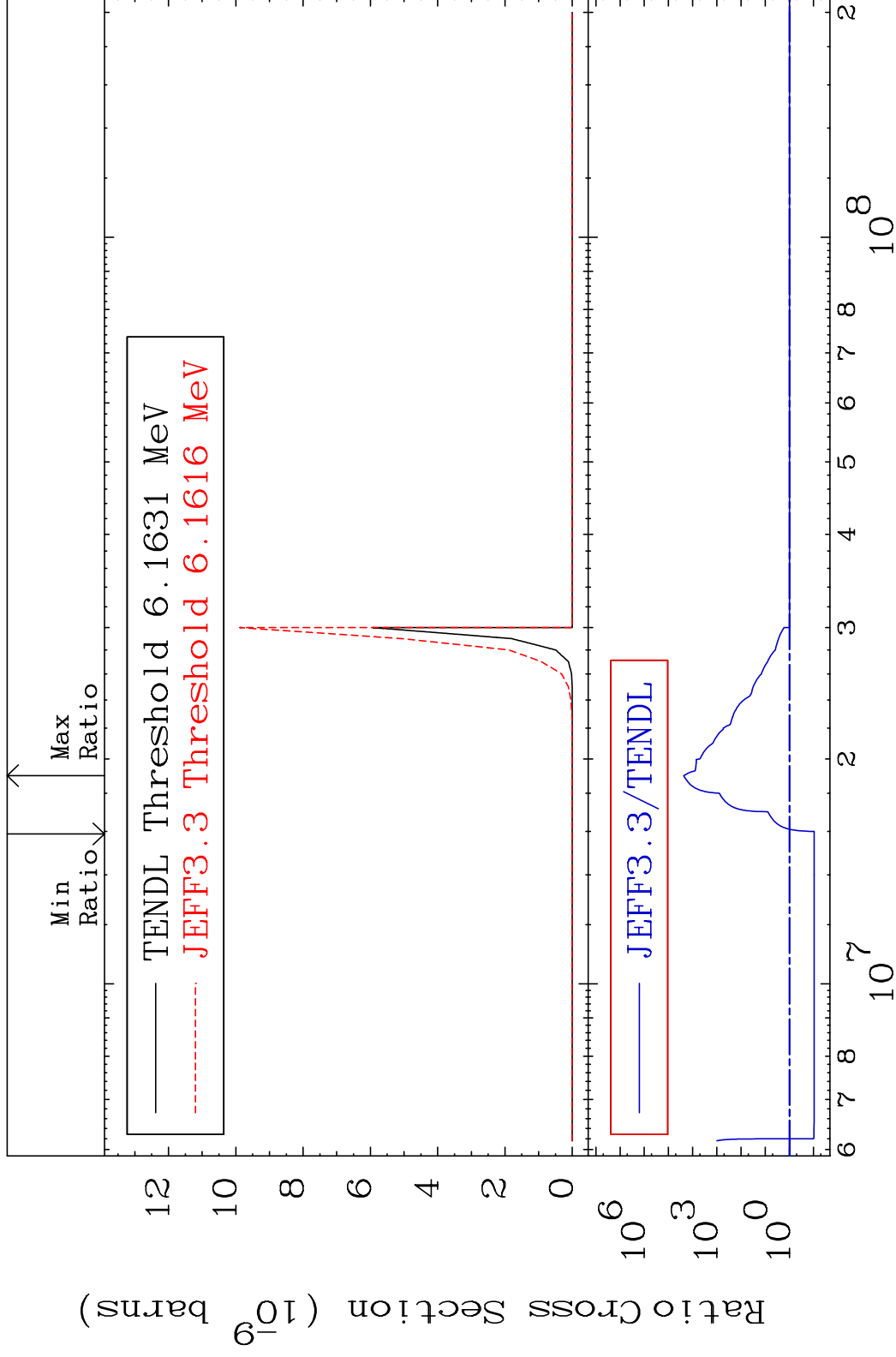
18

Incident Energy (eV)

80-Hg-198

MAT 8031

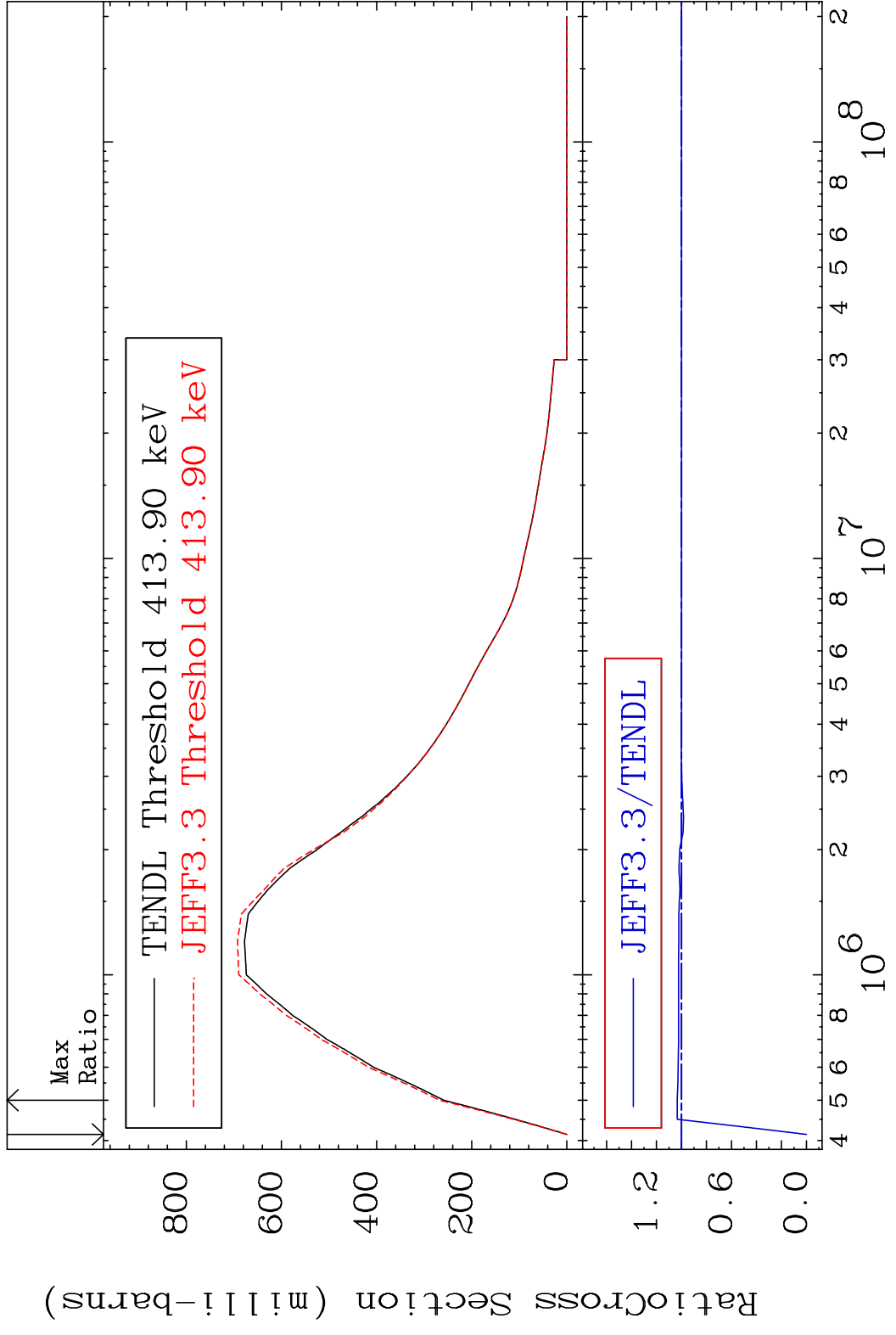
(n, n') p α 80-Hg-198
Cross Section -90.51 To 9999. %



19

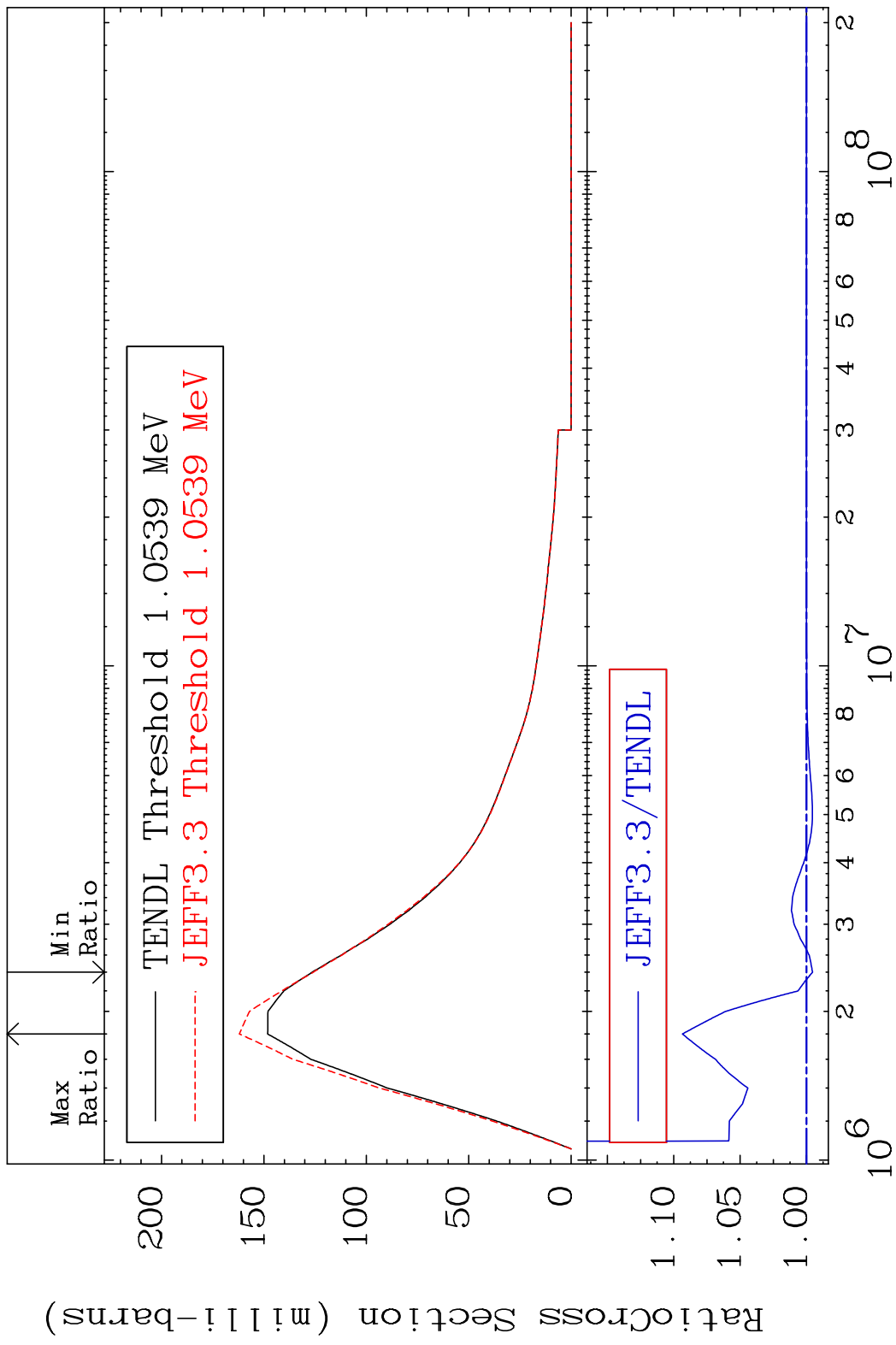
Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 51 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 3.428 %



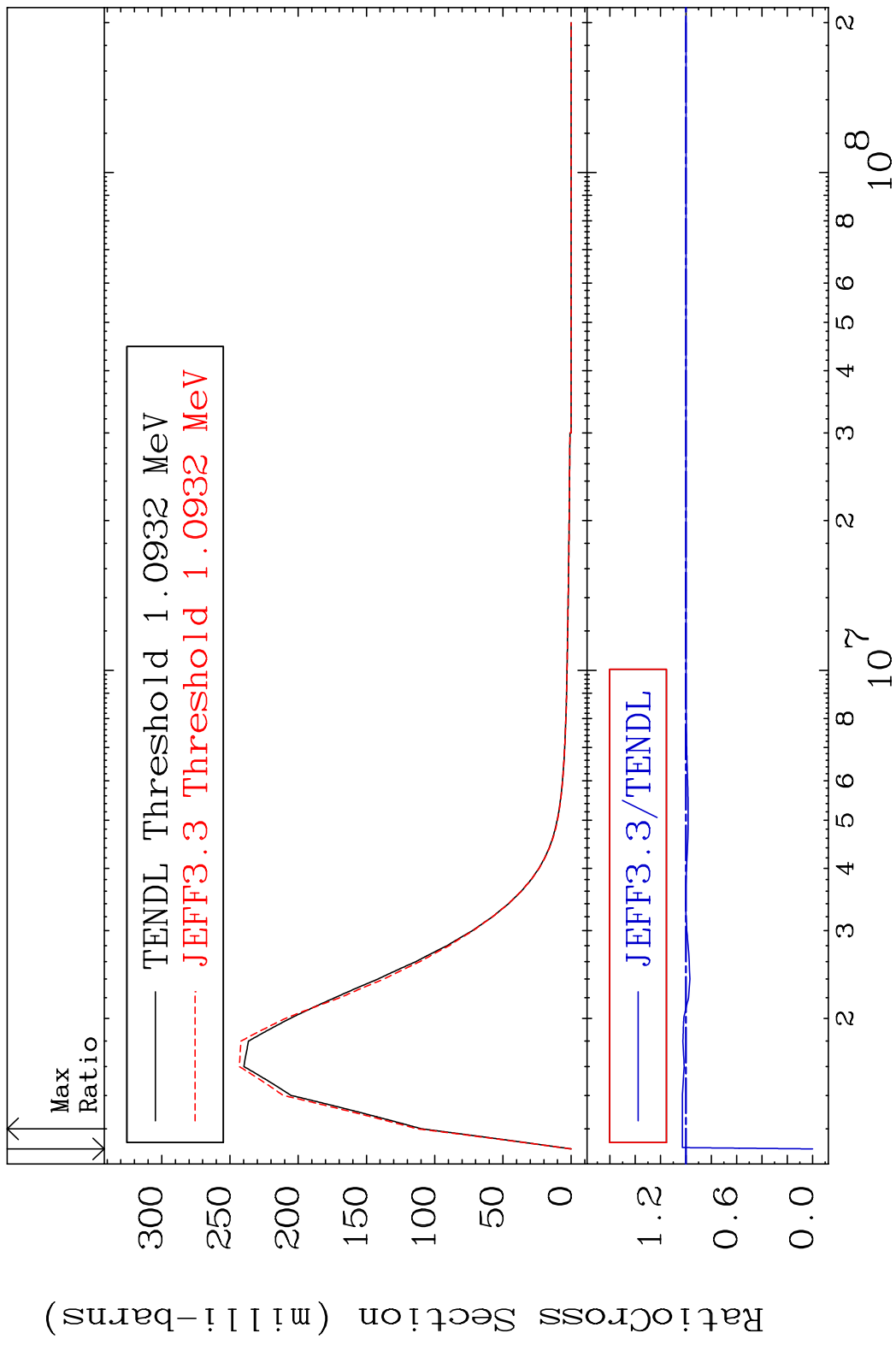
20 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 52 (n,n') Level 80-Hg-198
 Cross Section -0.455 To 9.352 %

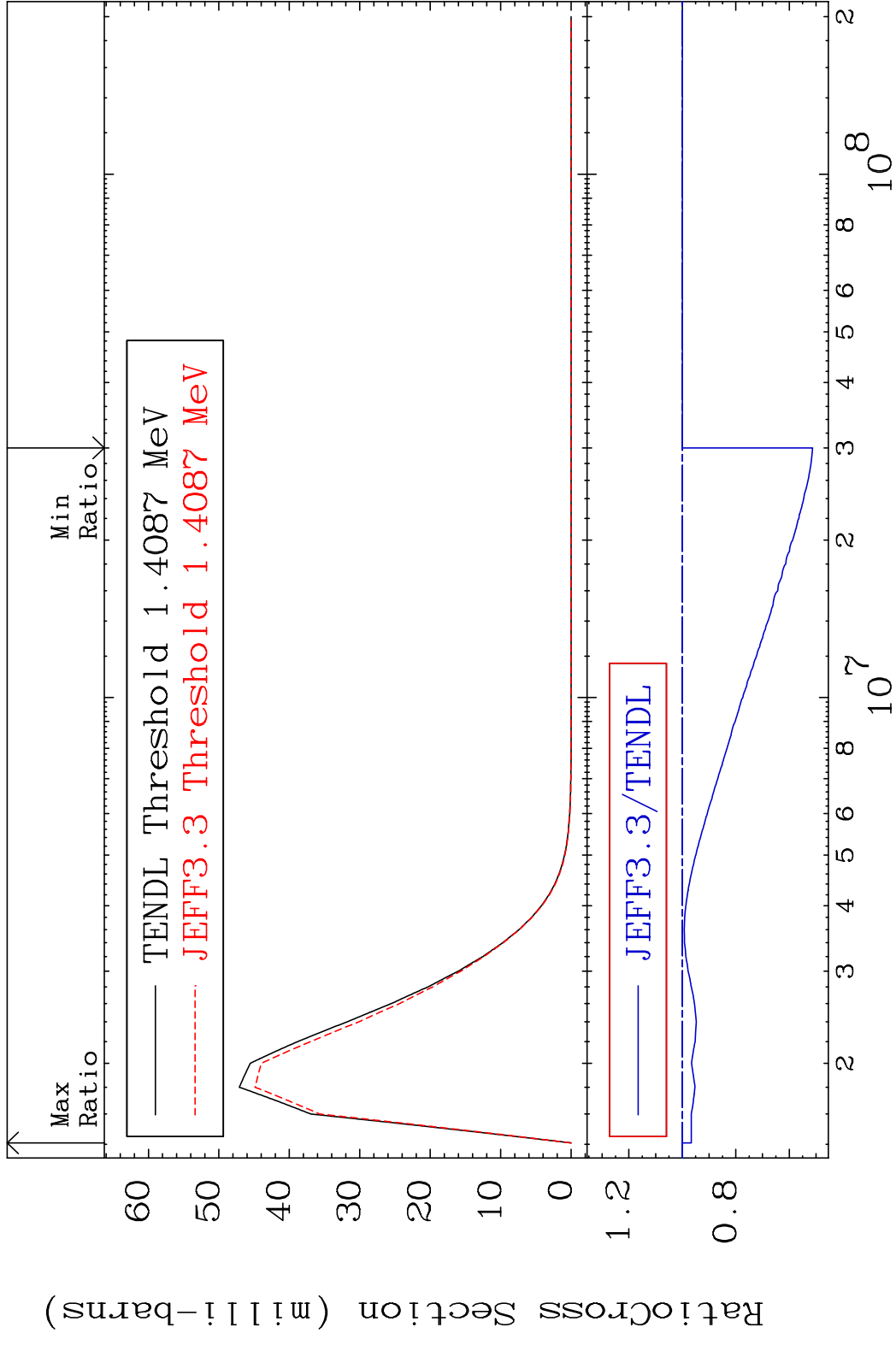


21 Incident Energy (eV) 80-Hg-198

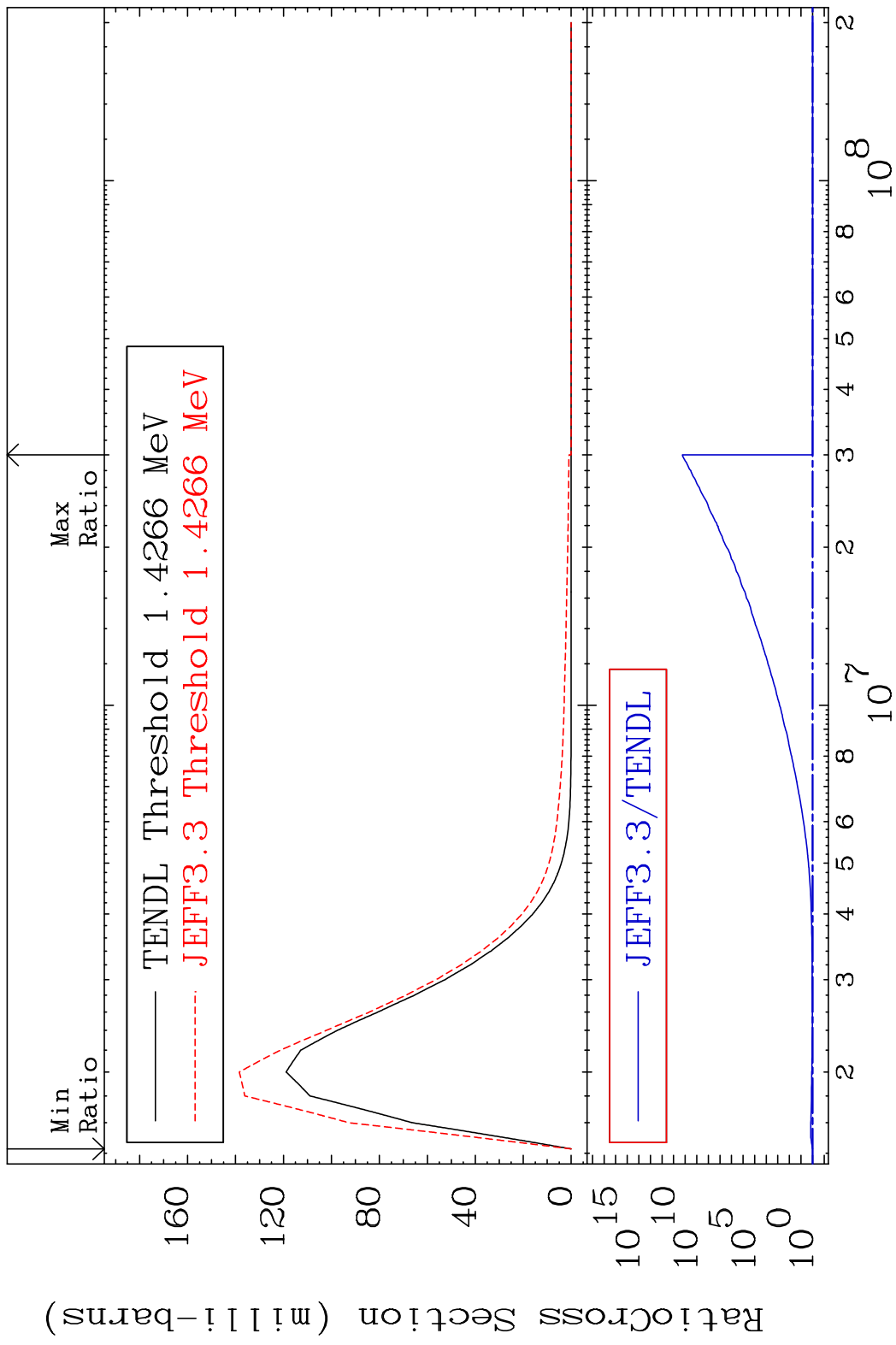
MAT 8031 MT= 53 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 2.819 %



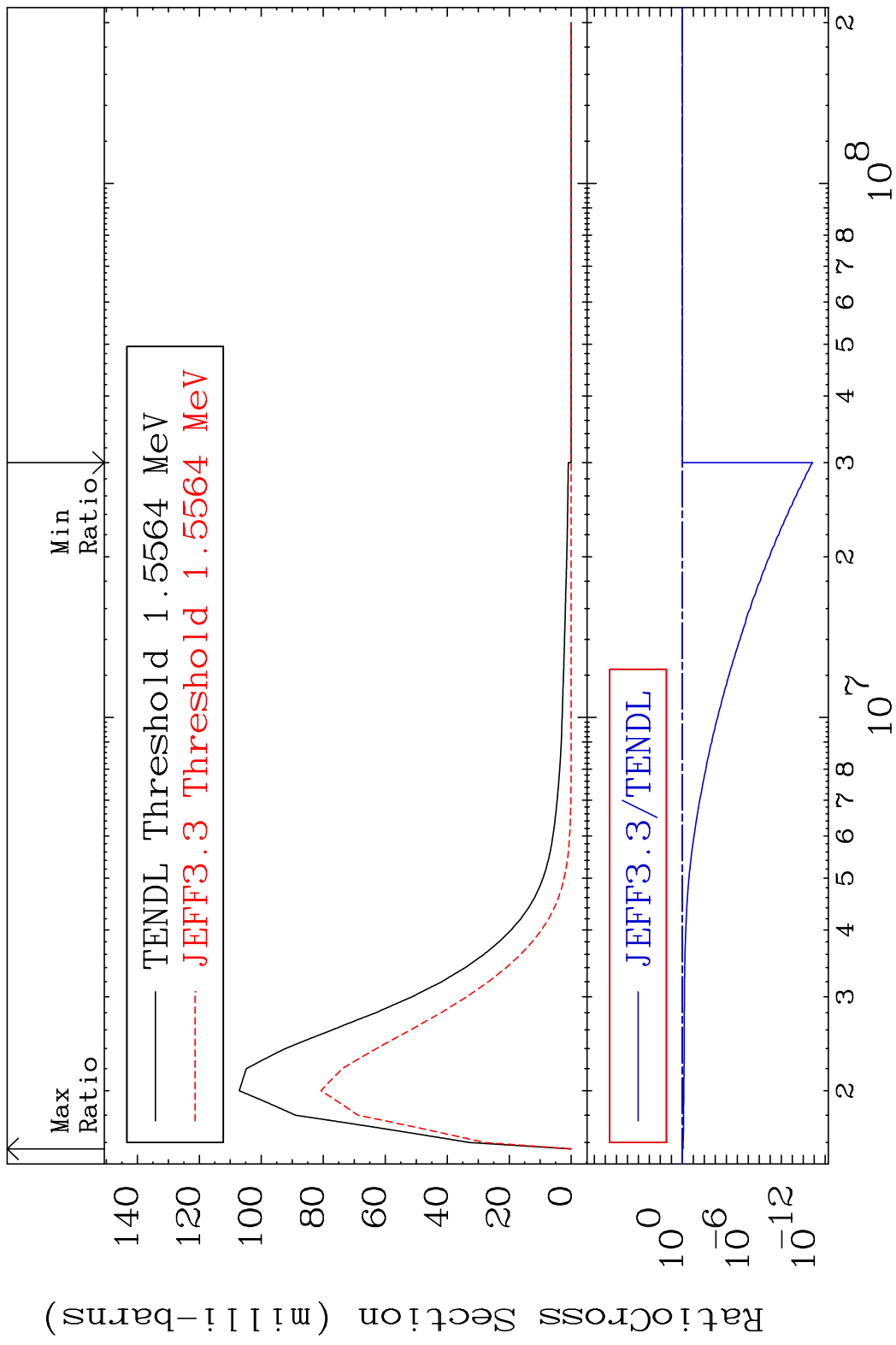
MAT 8031 MT= 54 (n,n') Level 80-Hg-198
 Cross Section -48.72 To 0.000 %



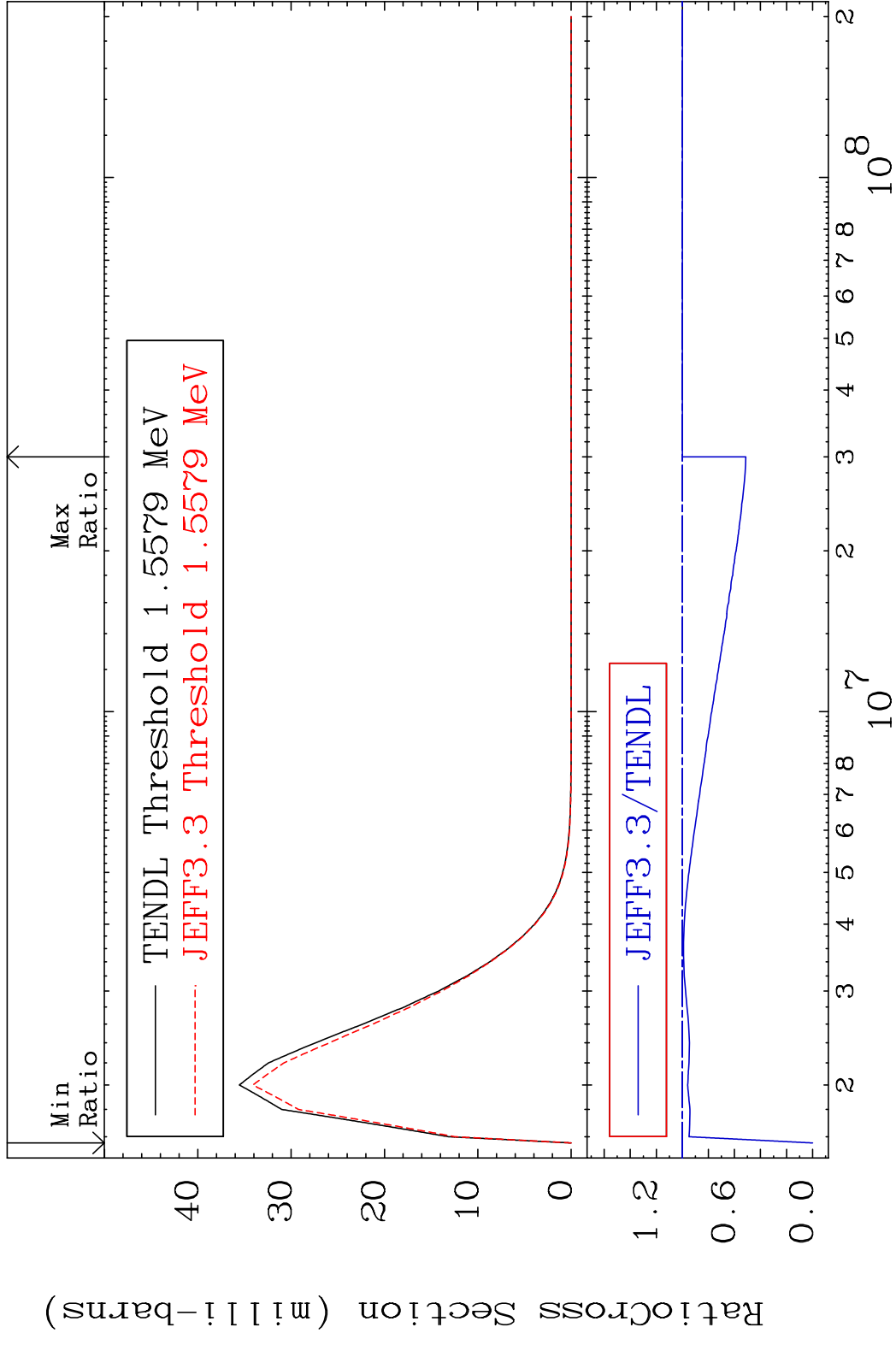
MAT 8031 MT= 55 (n,n') Level 80-Hg-198
 Cross Section 0.000 To 9999. %



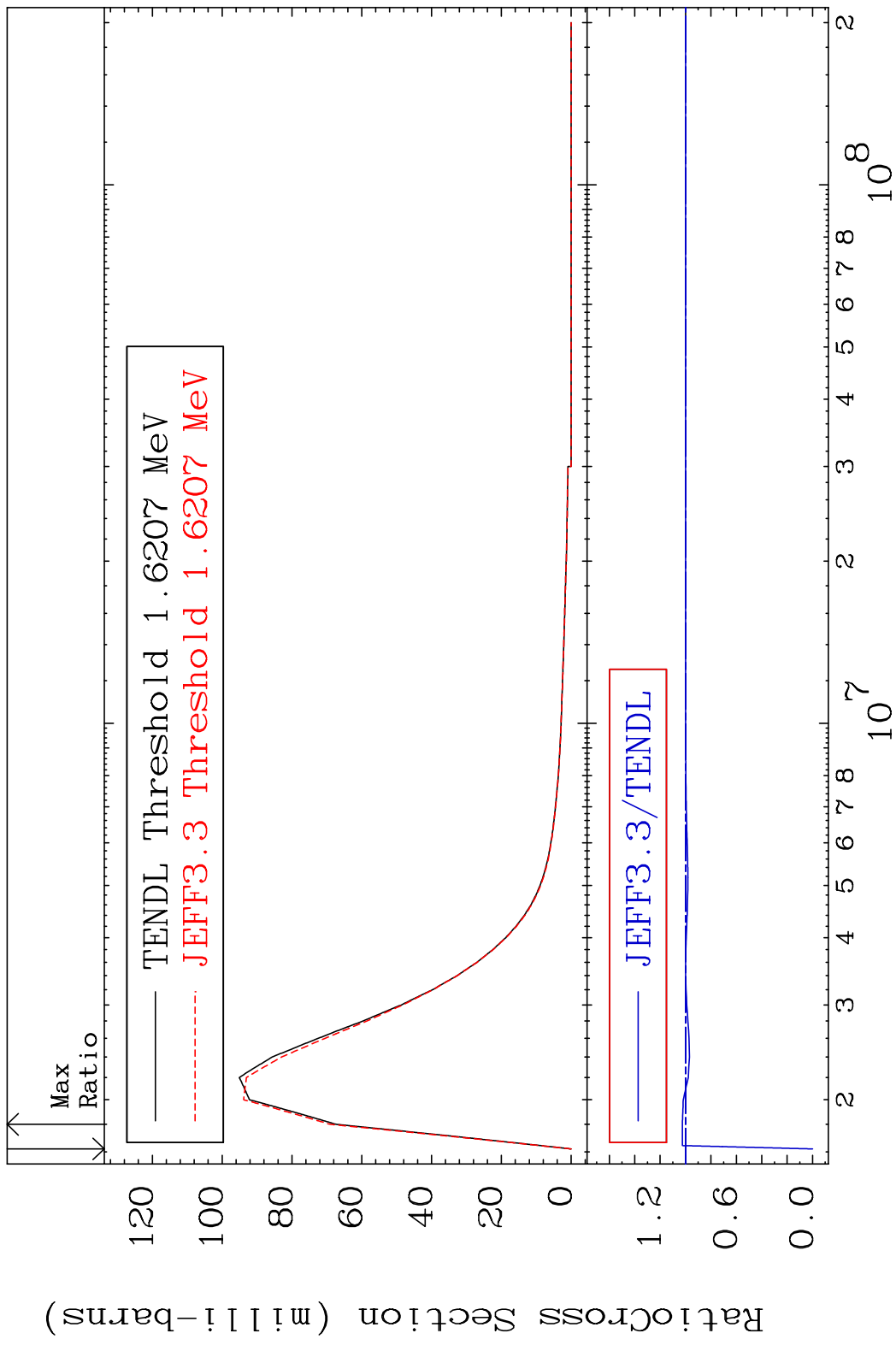
MAT 8031 MT= 56 (n,n') Level 80-Hg-198
 Cross Section -100.0 To 0.000 %



MAT 8031 MT= 57 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 0.000 %



MAT 8031 MT= 58 (n,n') Level 80-Hg-198
 Cross Section -100.0 To 2.502 %

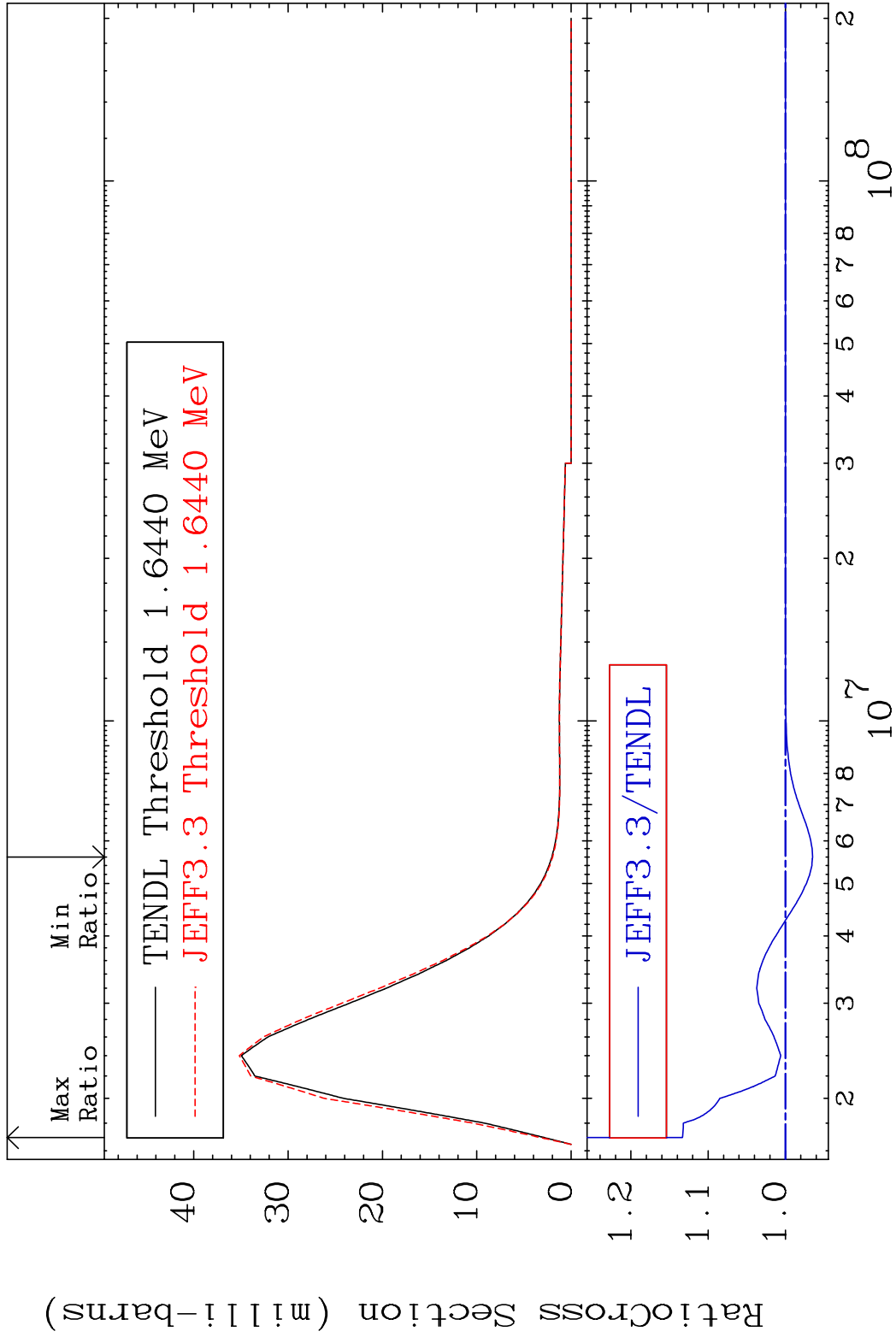


MAT 8031

MT= 59 (n,n') Level

80-Hg-198

Cross Section -3.520 To 13.34 %

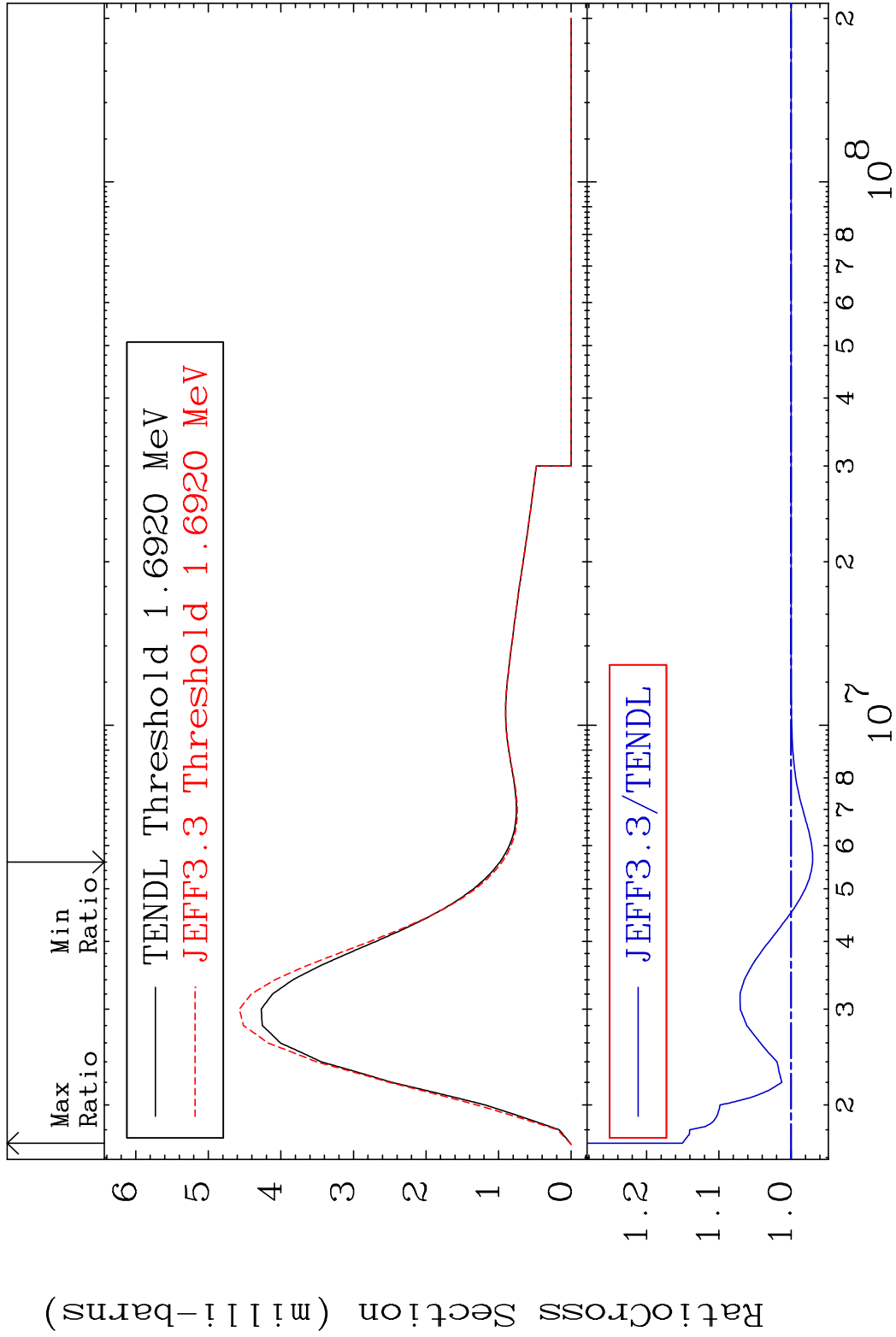


MAT 8031

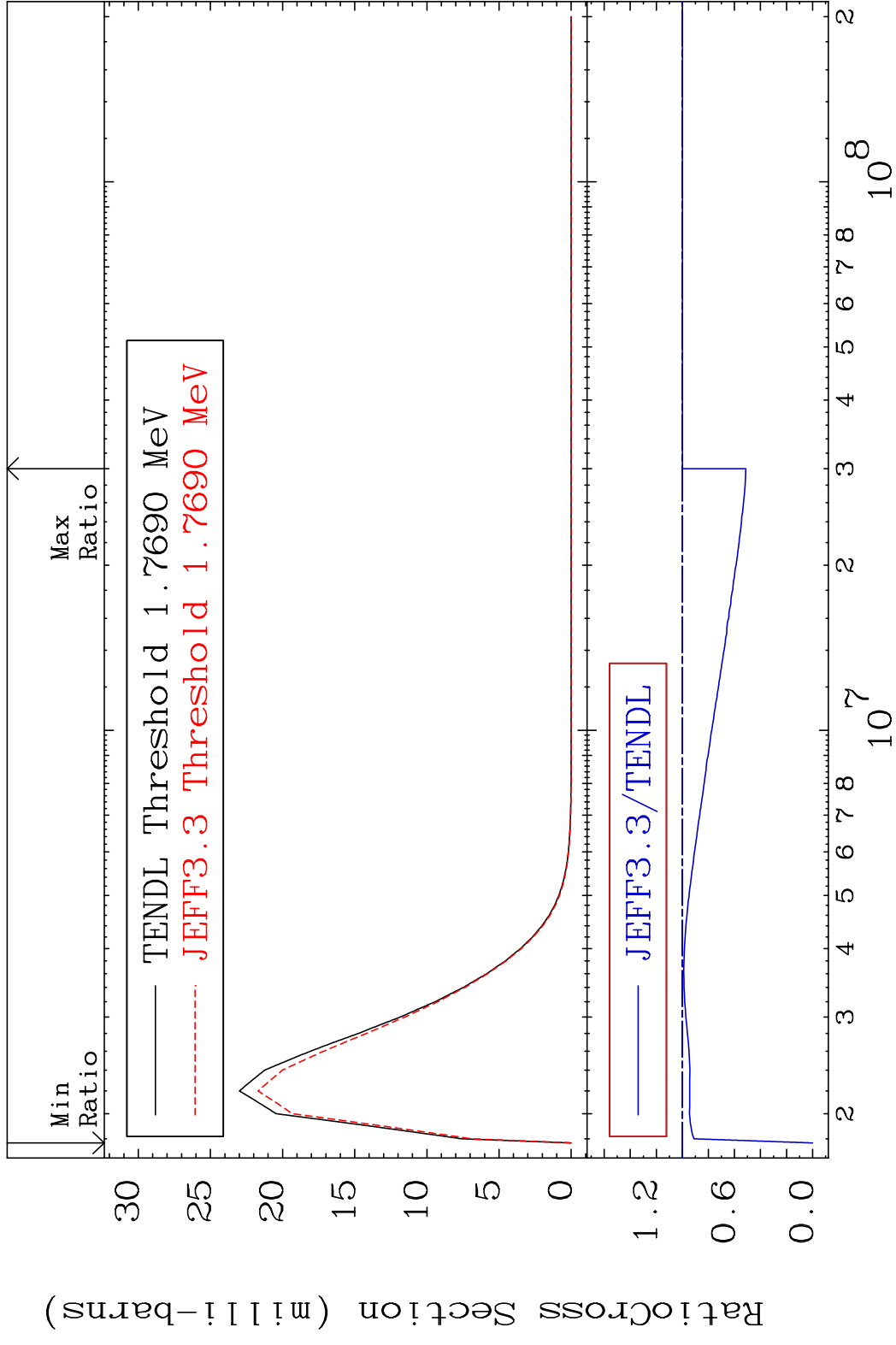
MT= 60 (n,n') Level

80-Hg-198

Cross Section -2.969 To 15.06 %



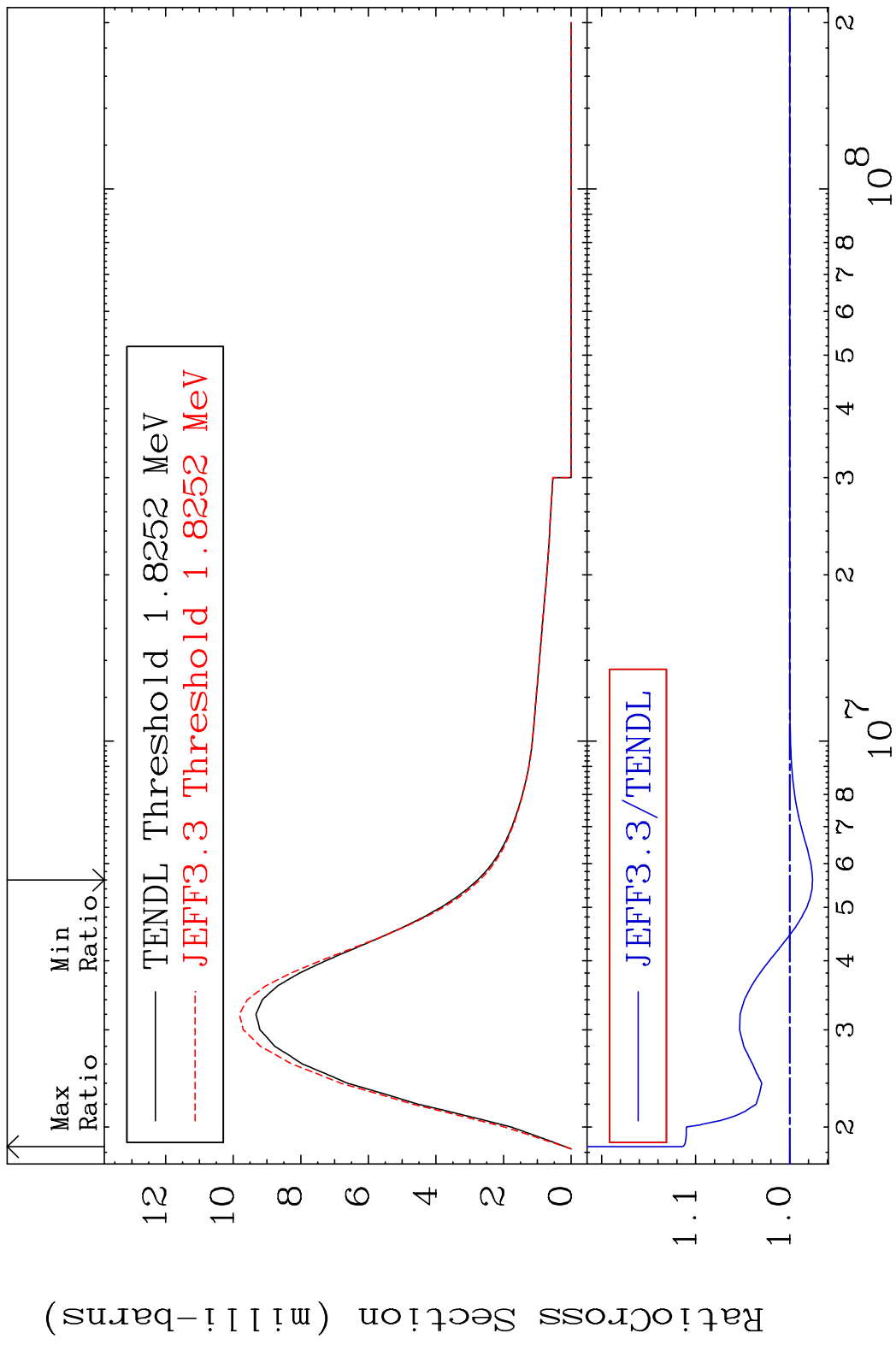
MAT 8031 MT= 61 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 0.000 %



30

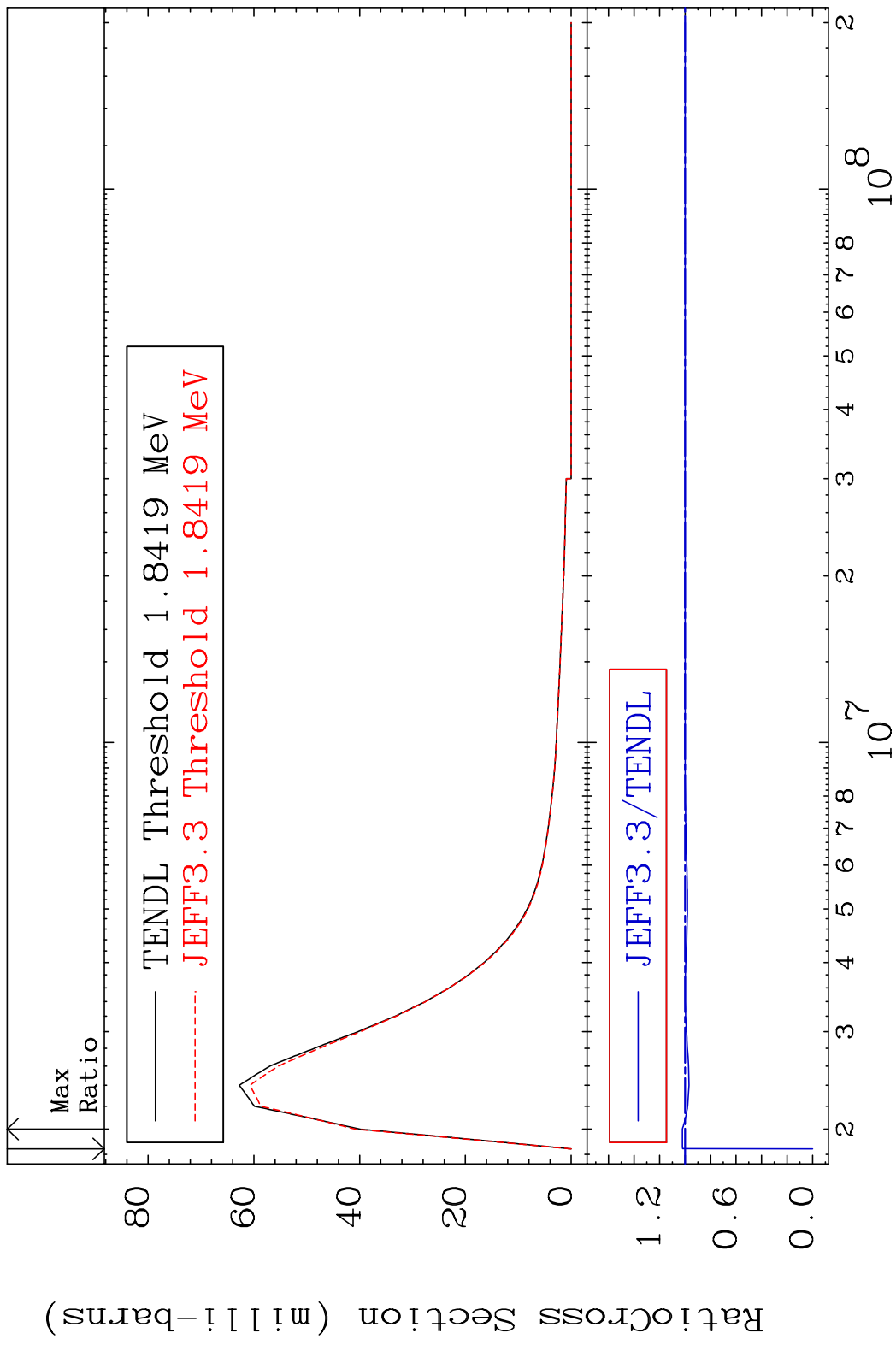
Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 62 (n,n') Level 80-Hg-198
 Cross Section -2.423 To 11.42 %

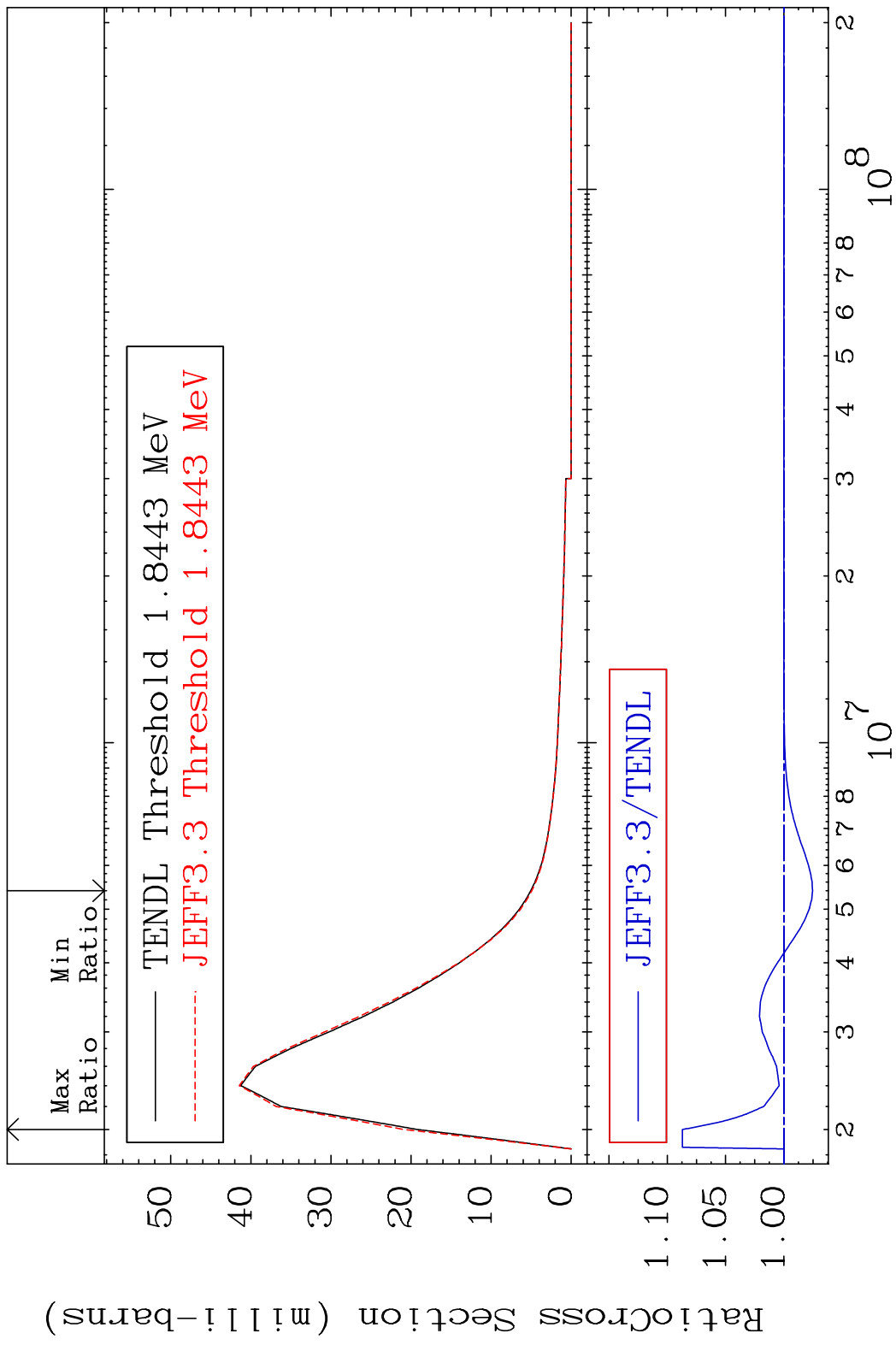


31 Incident Energy (eV) 80-Hg-198

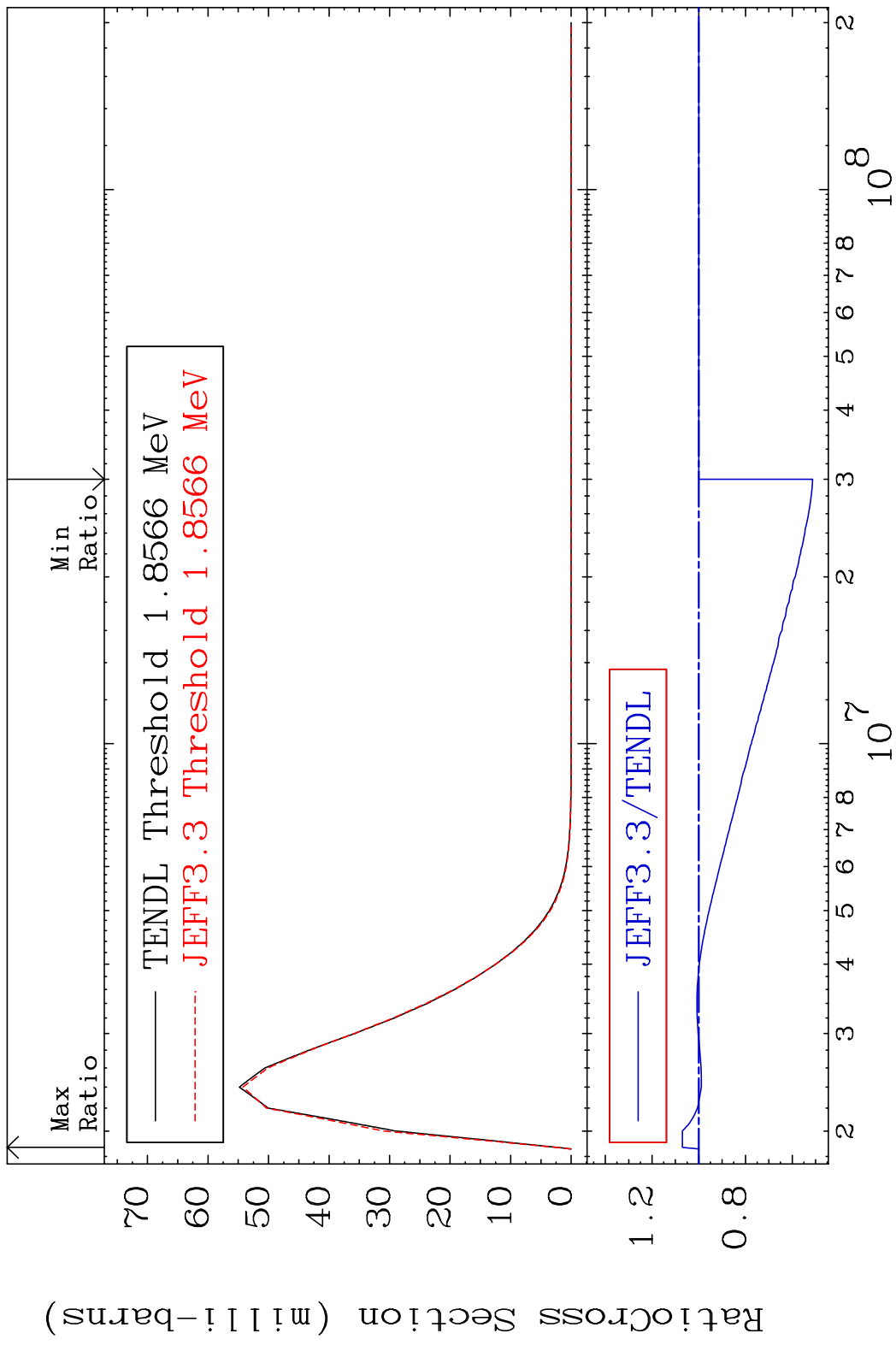
MAT 8031 MT= 63 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 2.119 %



MAT 8031 MT= 64 (n,n') Level 80-Hg-198
 Cross Section -2.458 To 8.708 %

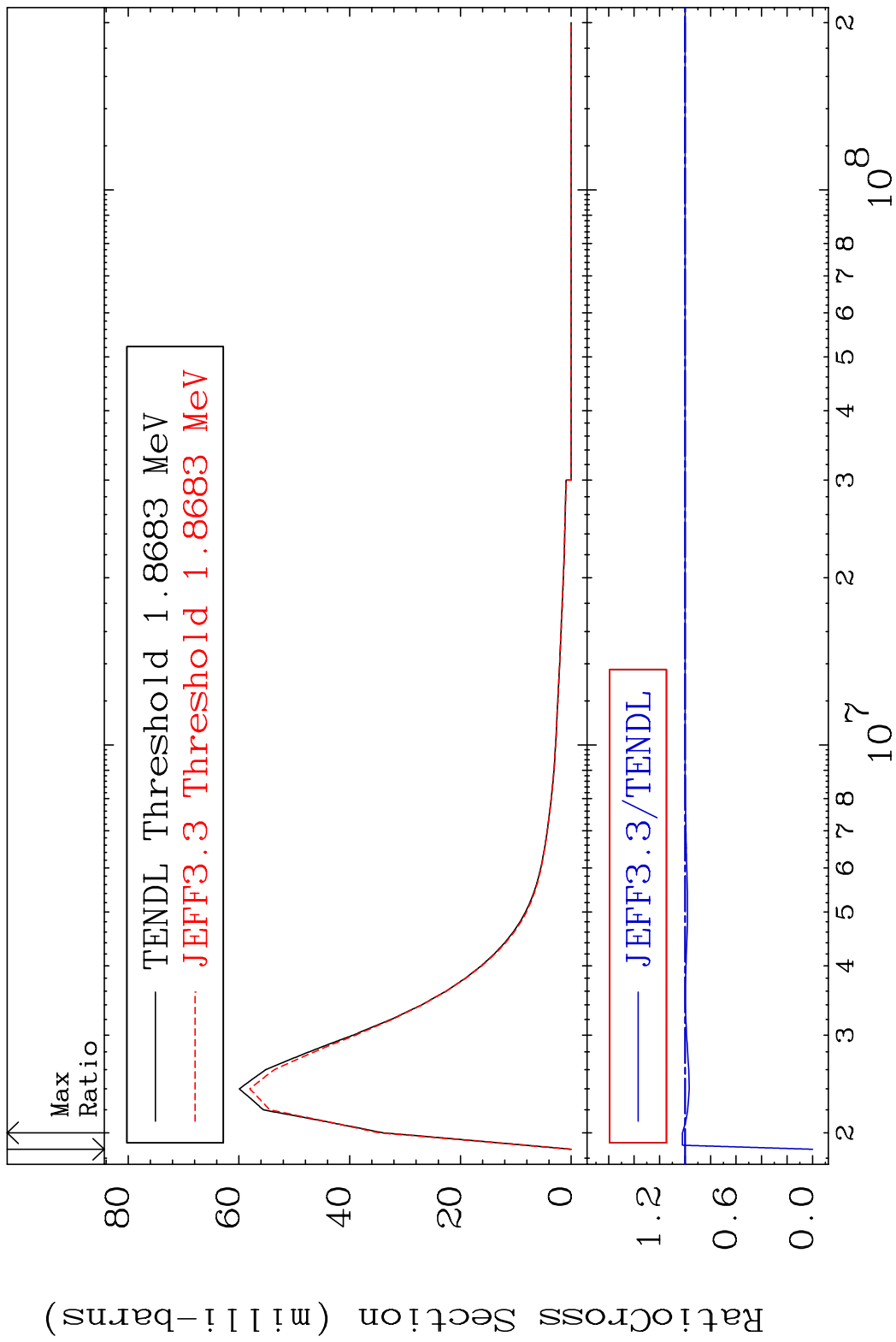


MAT 8031 MT= 65 (n, n') Level 80-Hg-198
 Cross Section -48.72 To 7.033 %

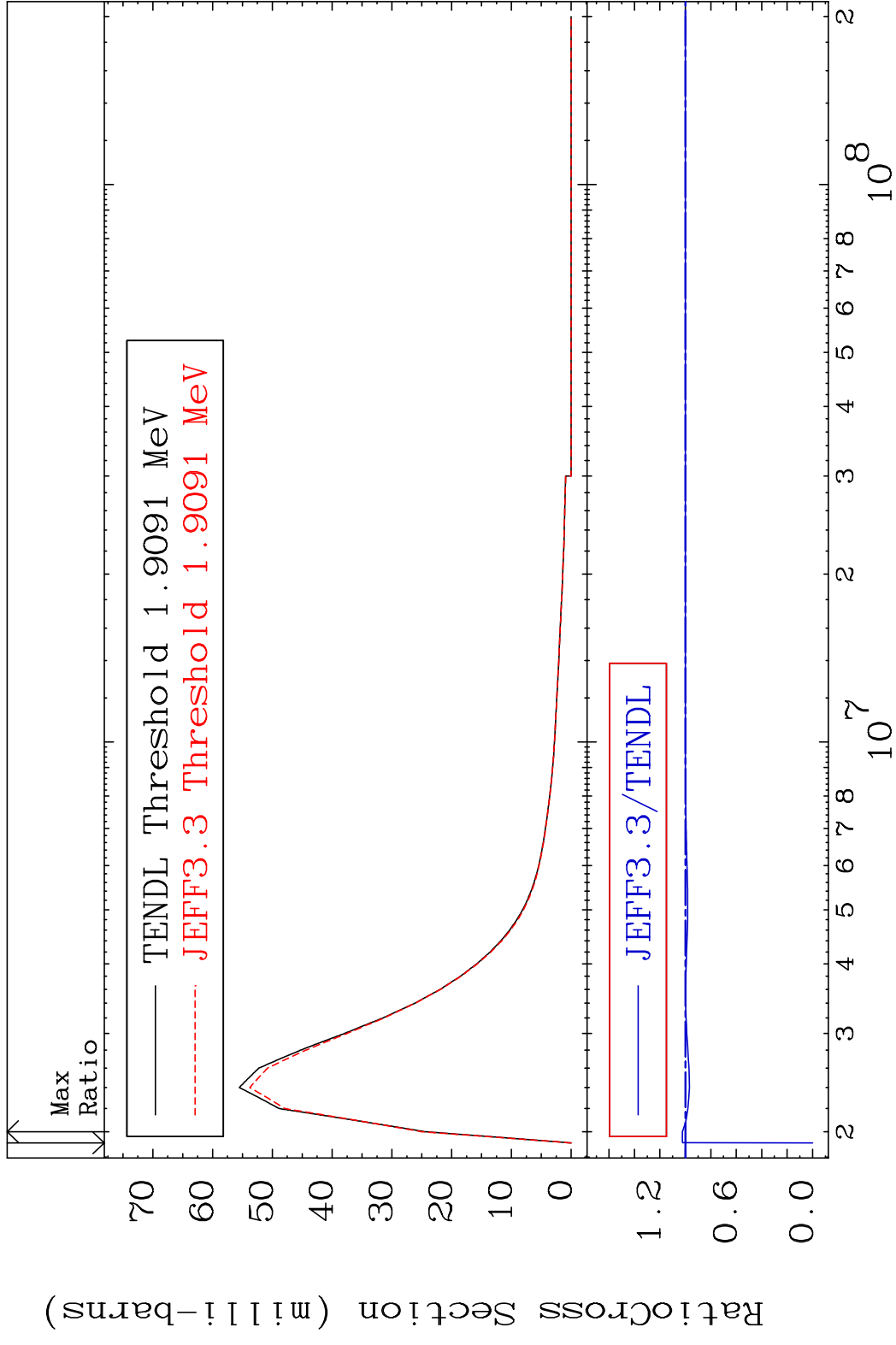


34 Incident Energy (eV) 80-Hg-198

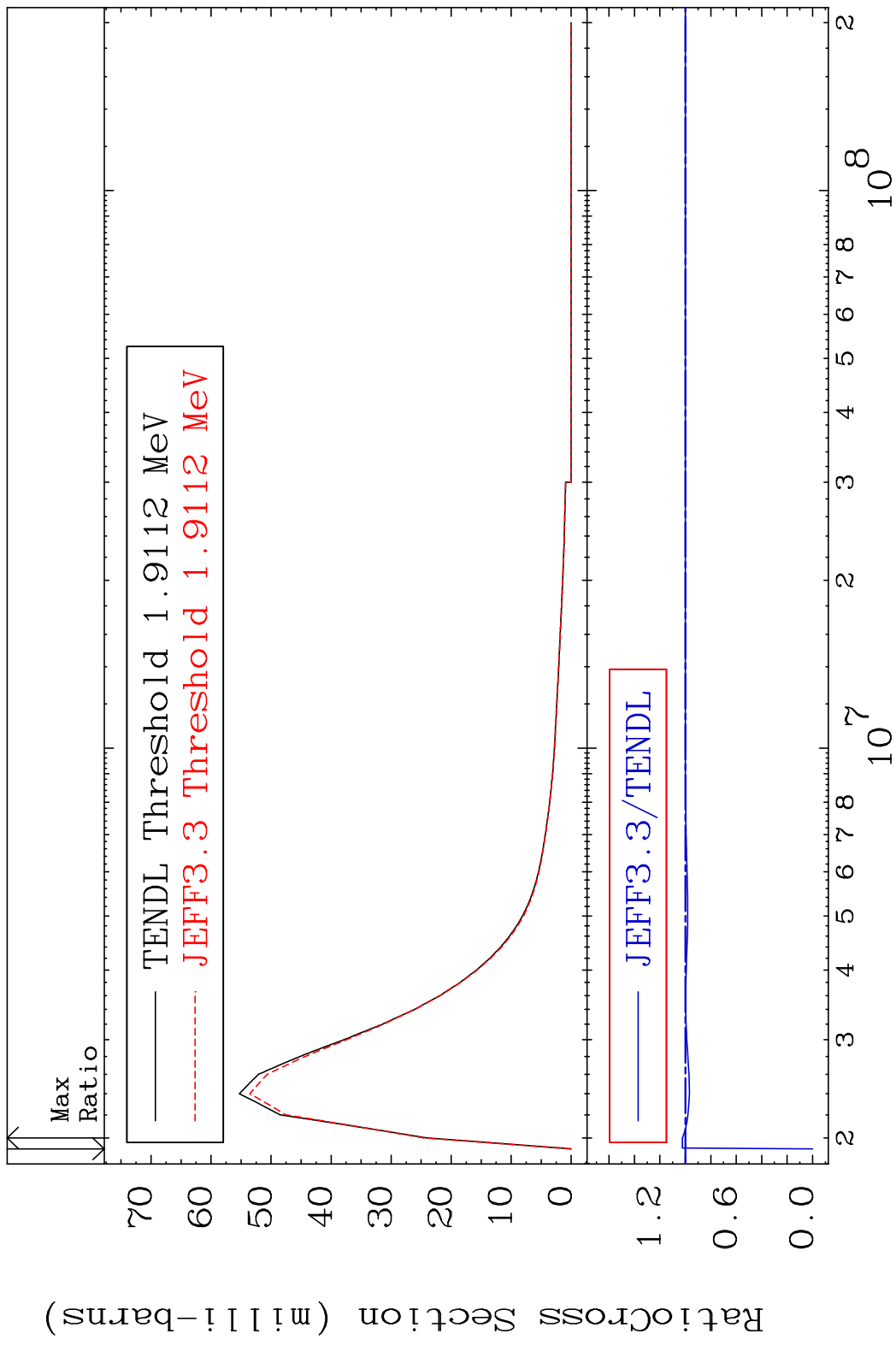
MAT 8031 MT= 66 (n,n') Level 80-Hg-198
 Cross Section -100.0 To 2.165 %



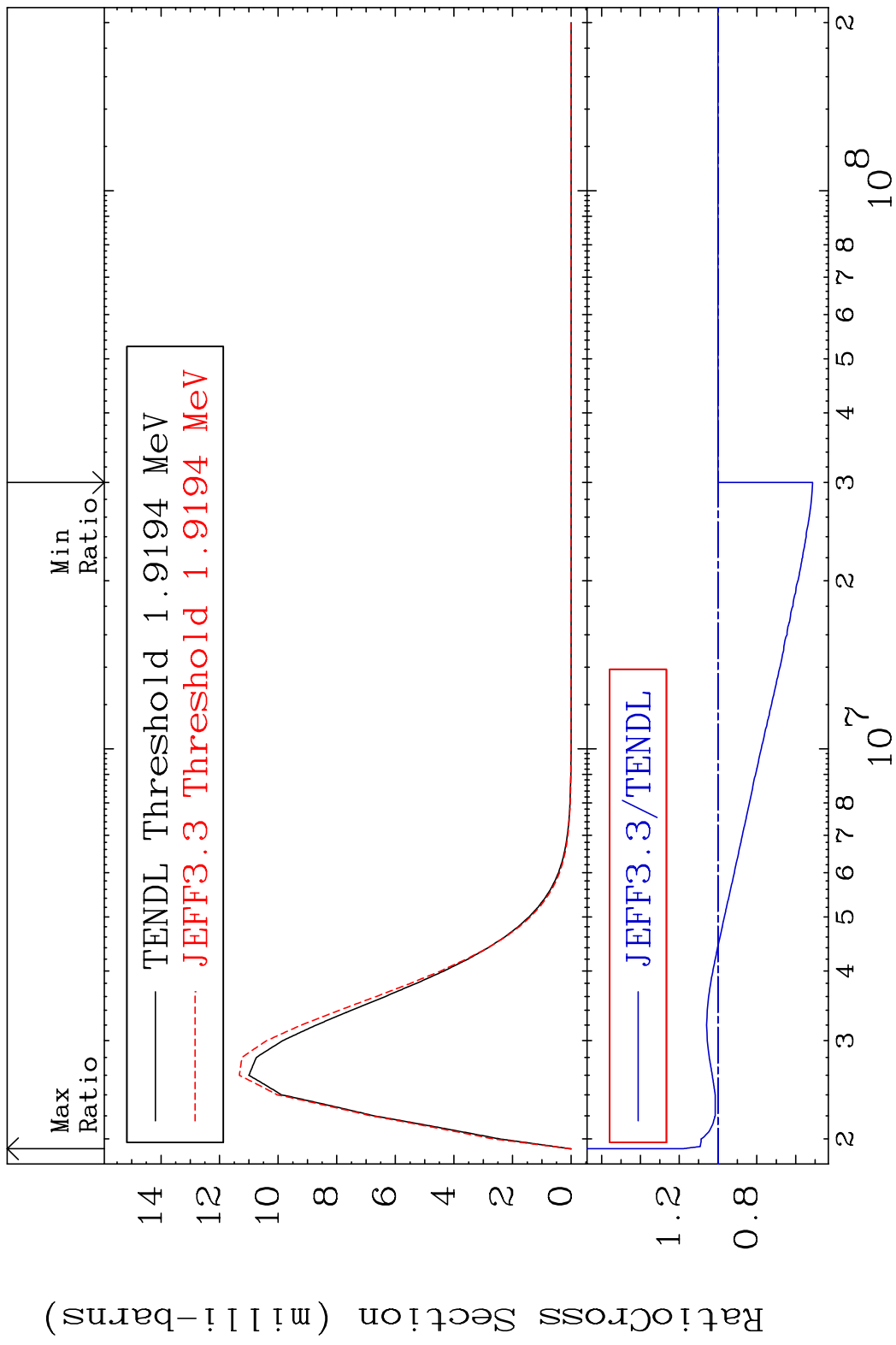
MAT 8031 MT= 67 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 2.353 %



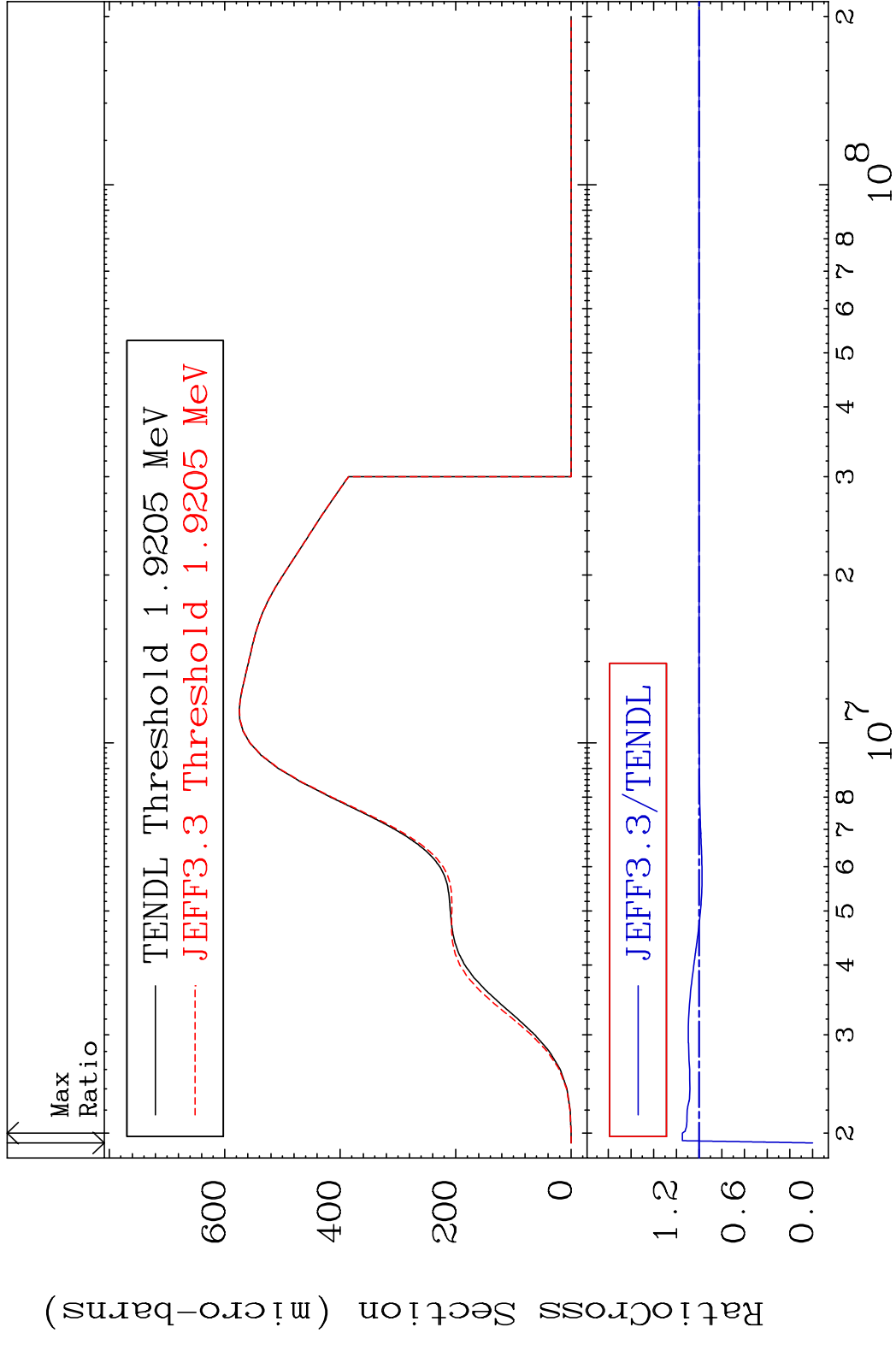
MAT 8031 MT= 68 (n,n') Level 80-Hg-198
 Cross Section -100.0 To 2.361 %



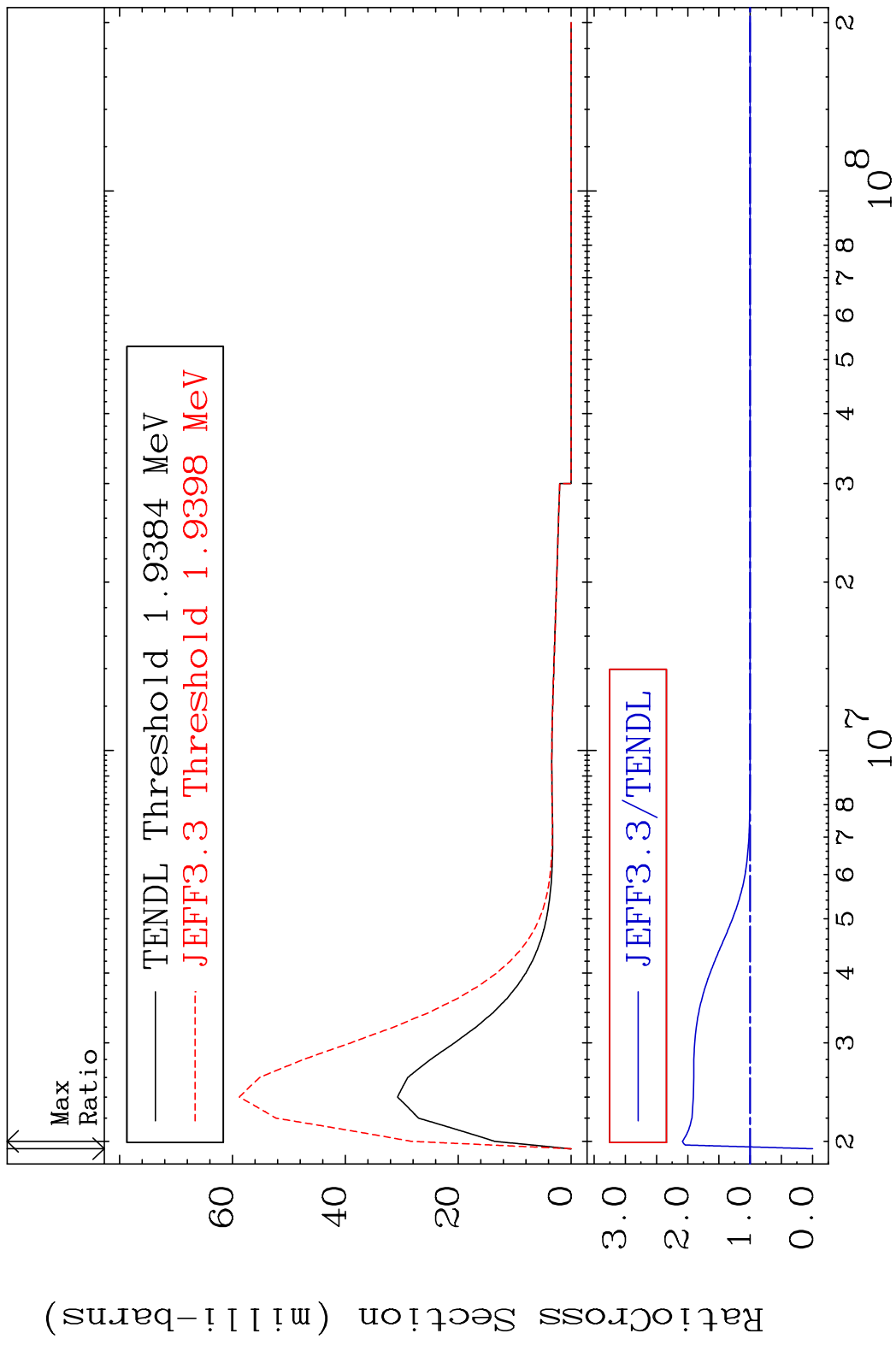
MAT 8031 MT= 69 (n, n') Level 80-Hg-198
 Cross Section -48.73 To 18.40 %



MAT 8031 MT= 70 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 14.75 %

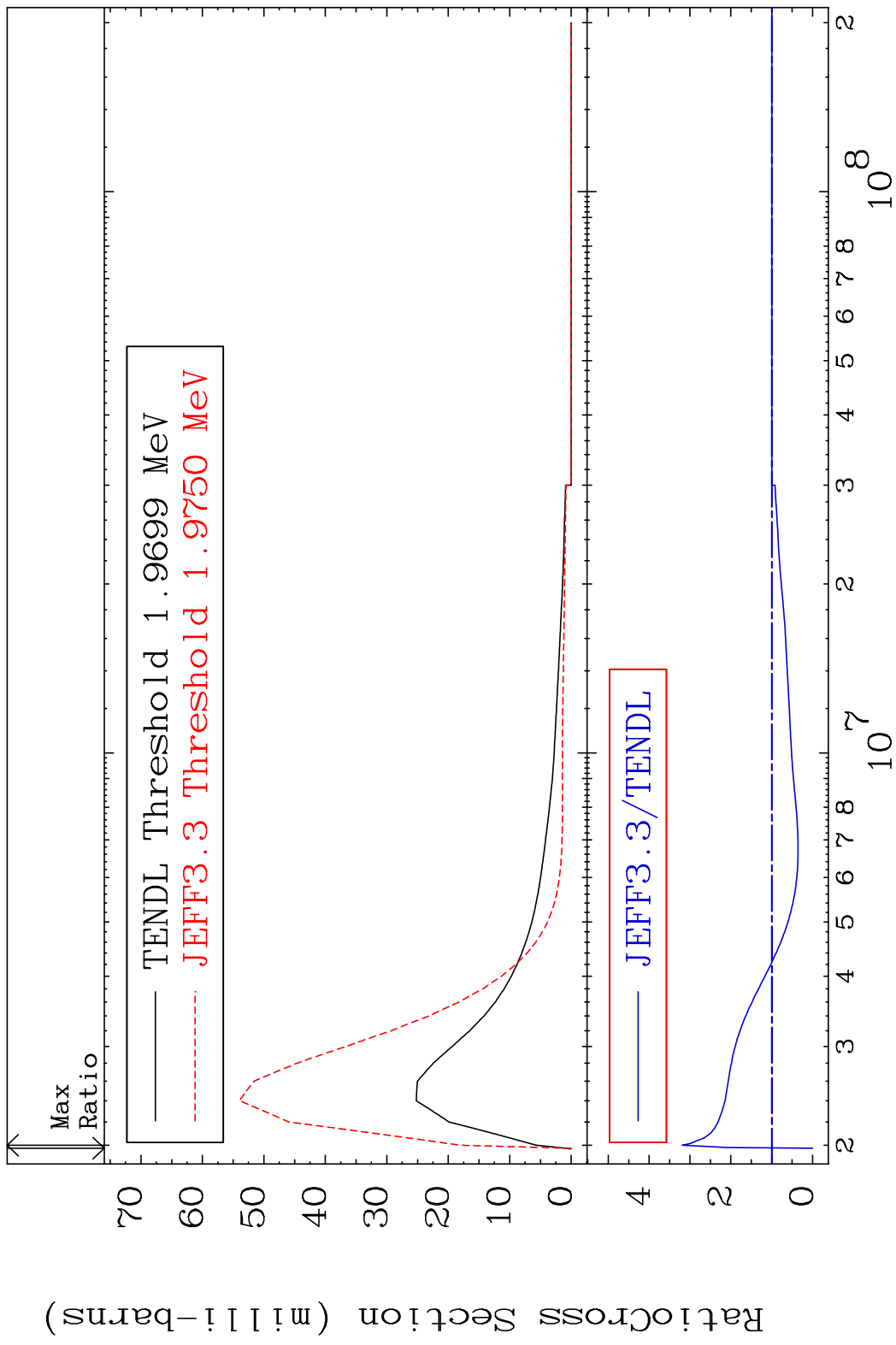


MAT 8031 MT= 71 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 108.7 %

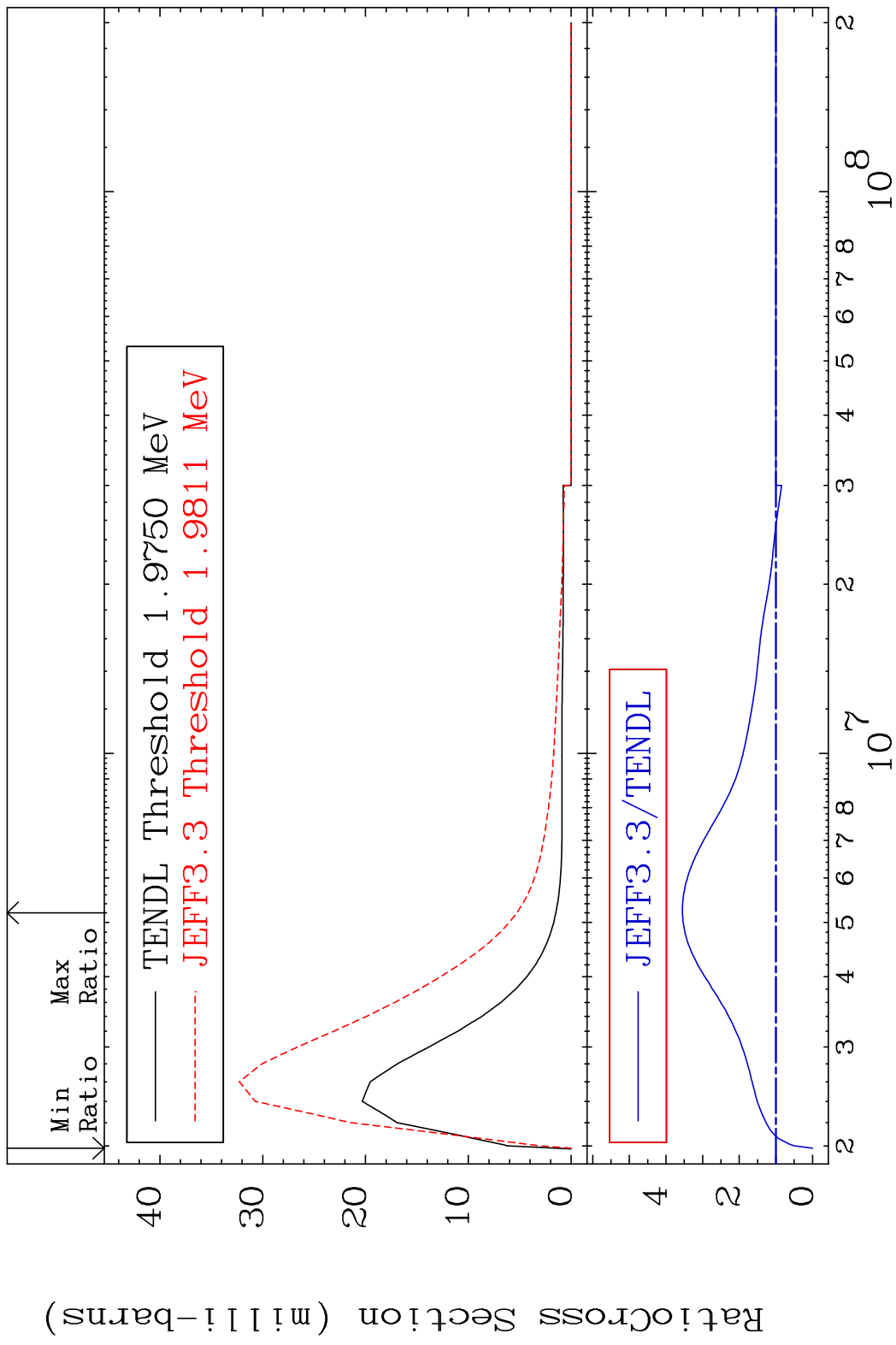


40 Incident Energy (eV) 80-Hg-198

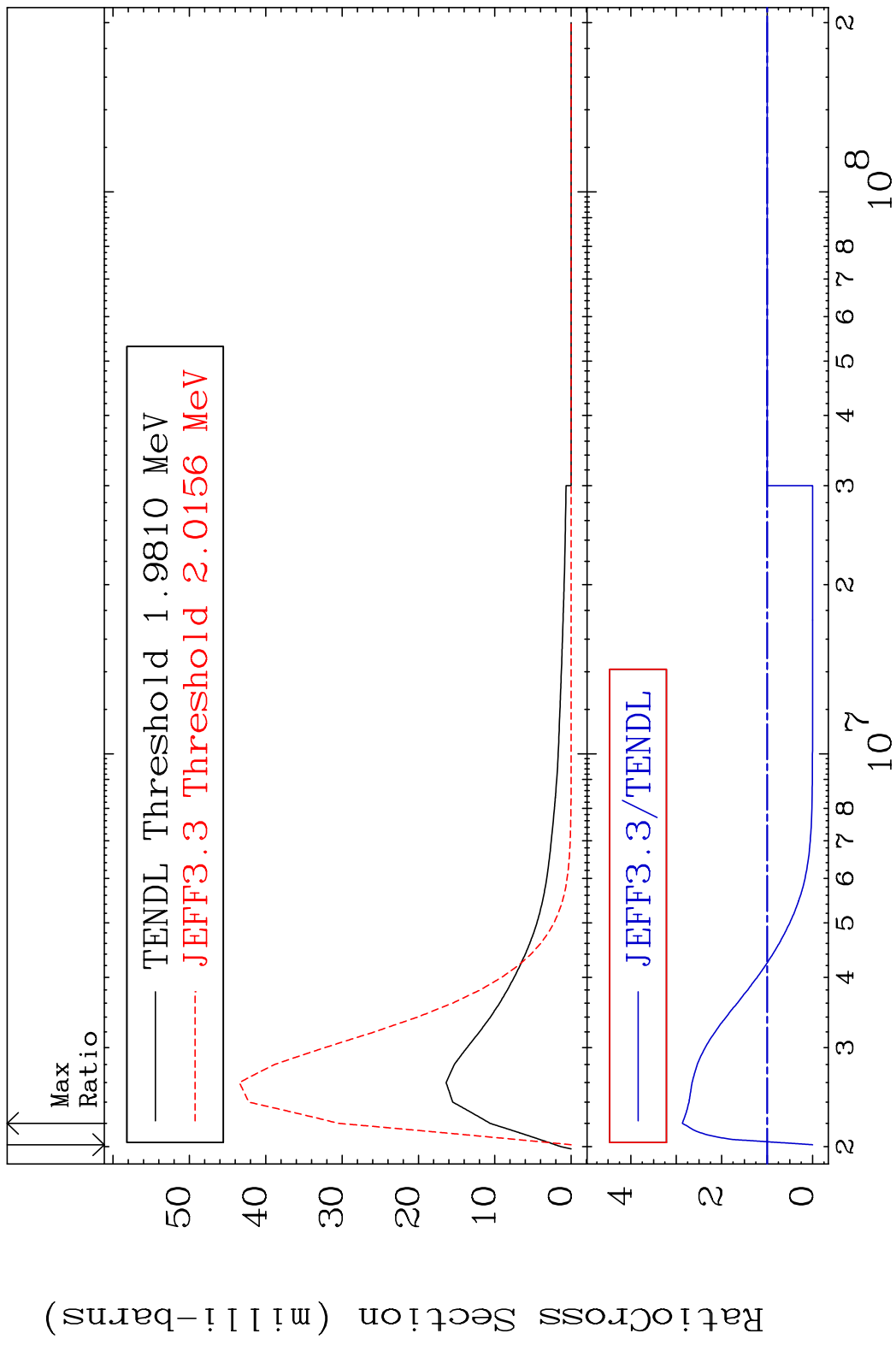
MAT 8031 MT= 72 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 218.7 %



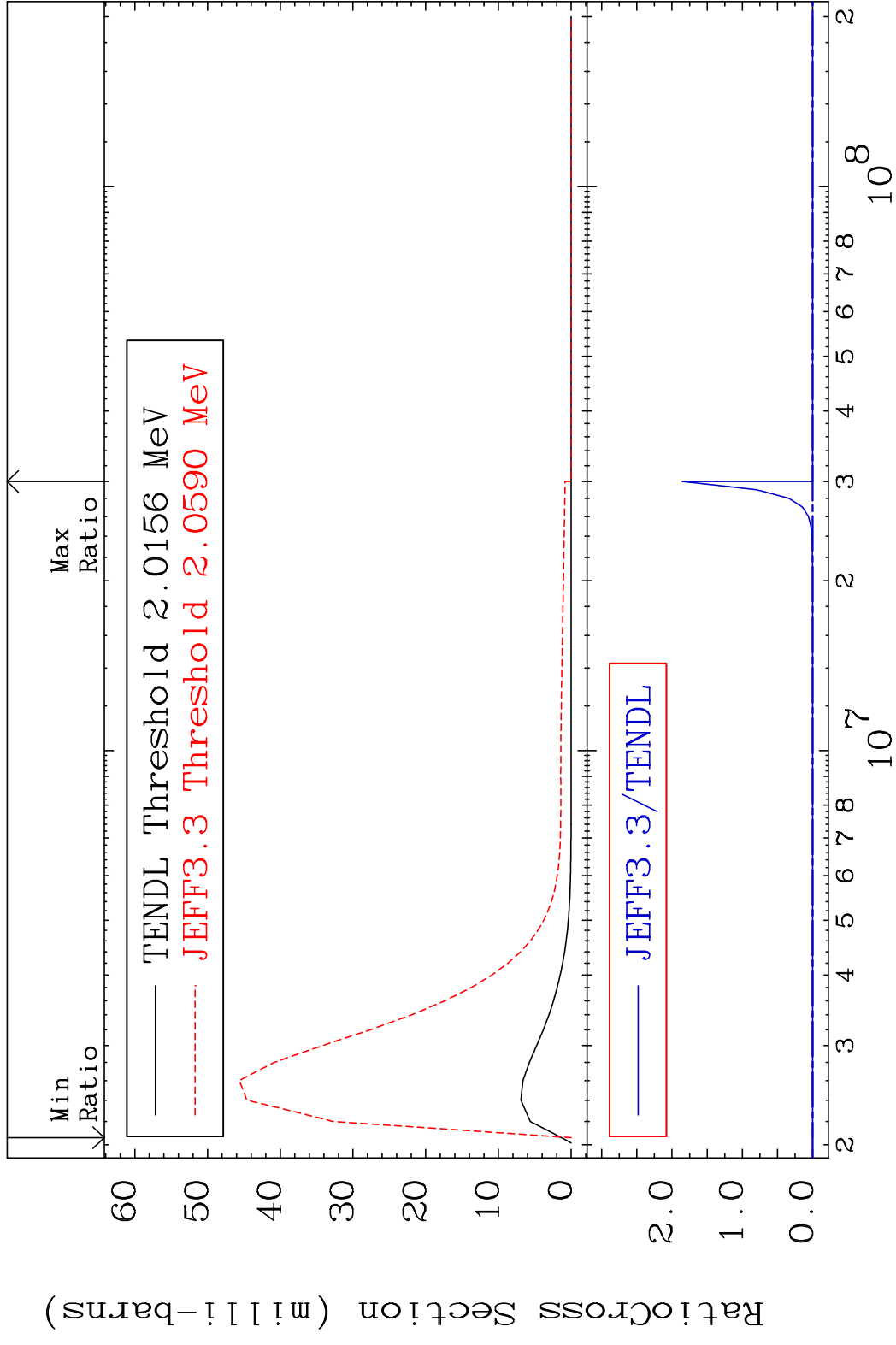
MAT 8031 MT= 73 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 255.3 %



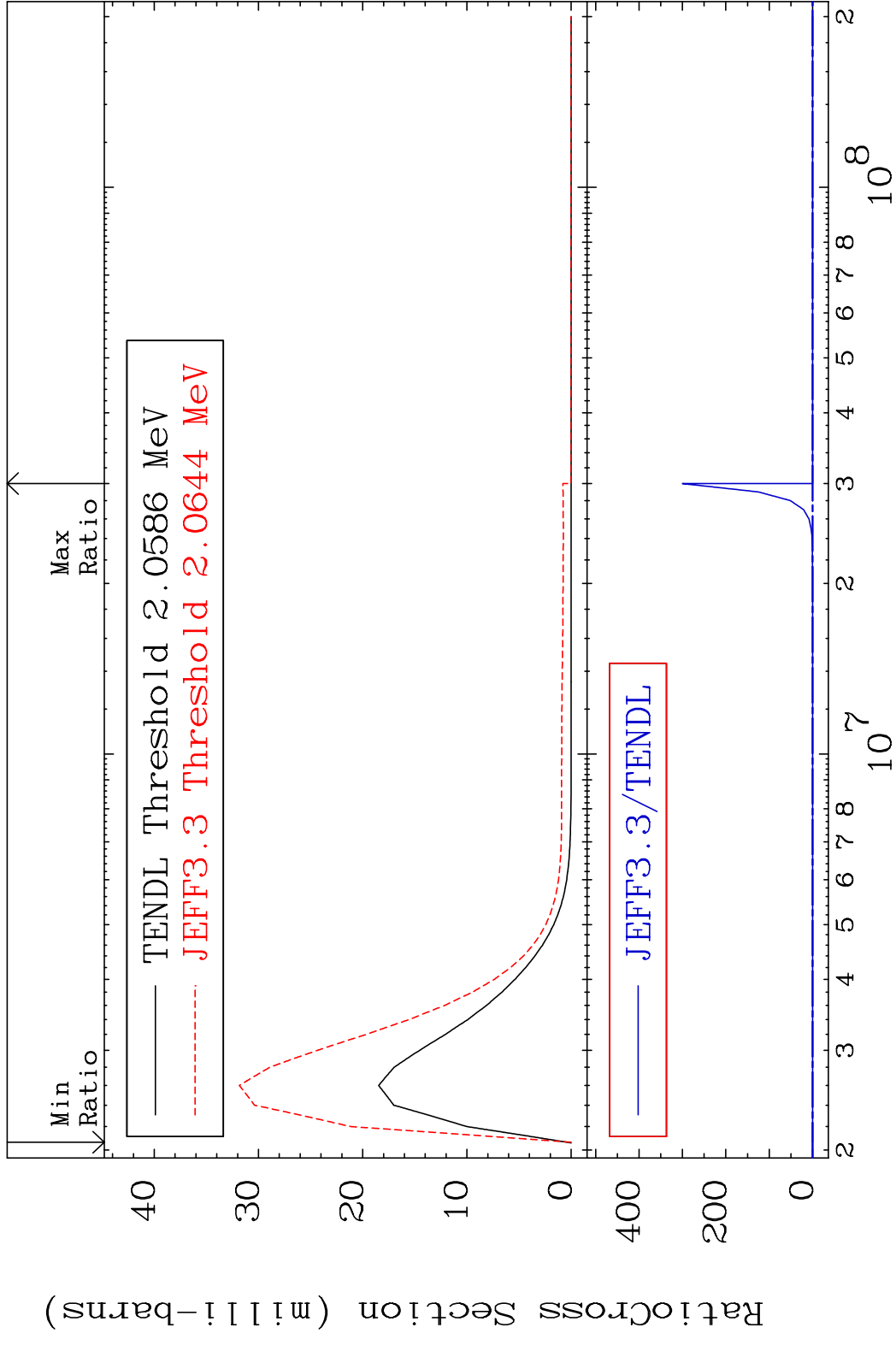
MAT 8031 MT= 74 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 186.6 %



MAT 8031 MT= 75 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %

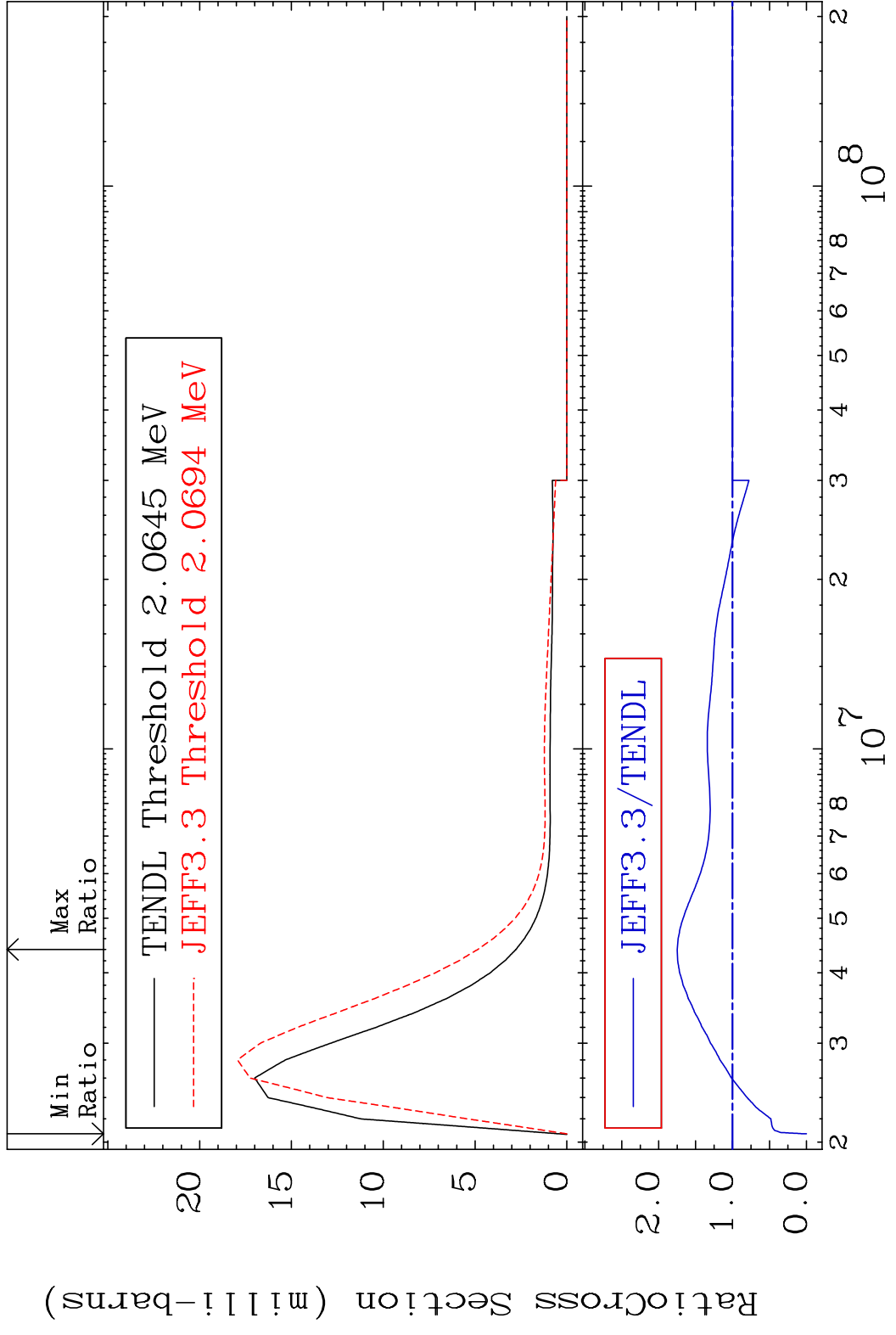


MAT 8031 MT= 76 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 9999. %

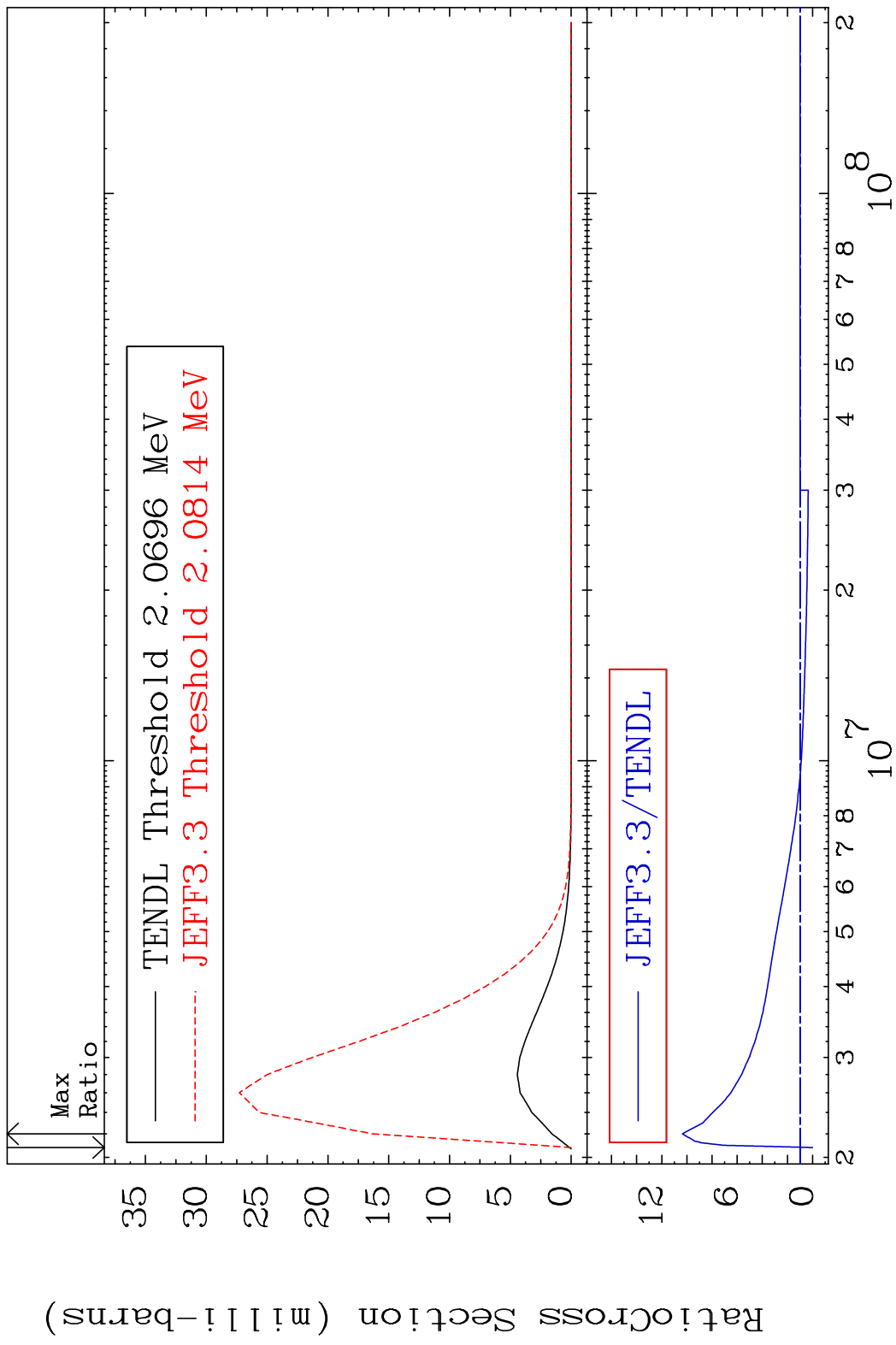


45 Incident Energy (eV) 80-Hg-198

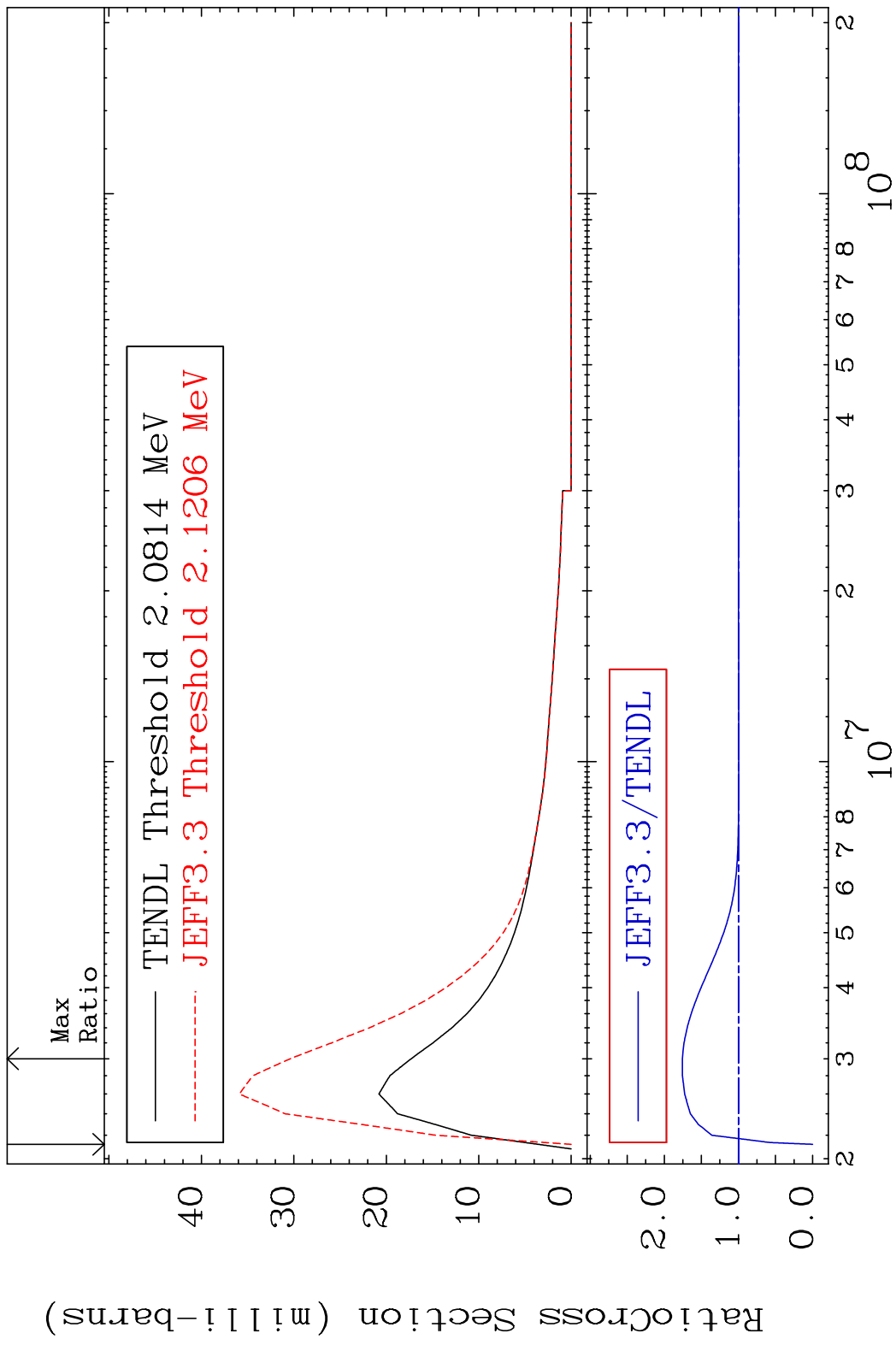
MAT 8031 MT= 77 (n,n') Level 80-Hg-198
 Cross Section -100.0 To 74.97 %



MAT 8031 MT= 78 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 936.2 %

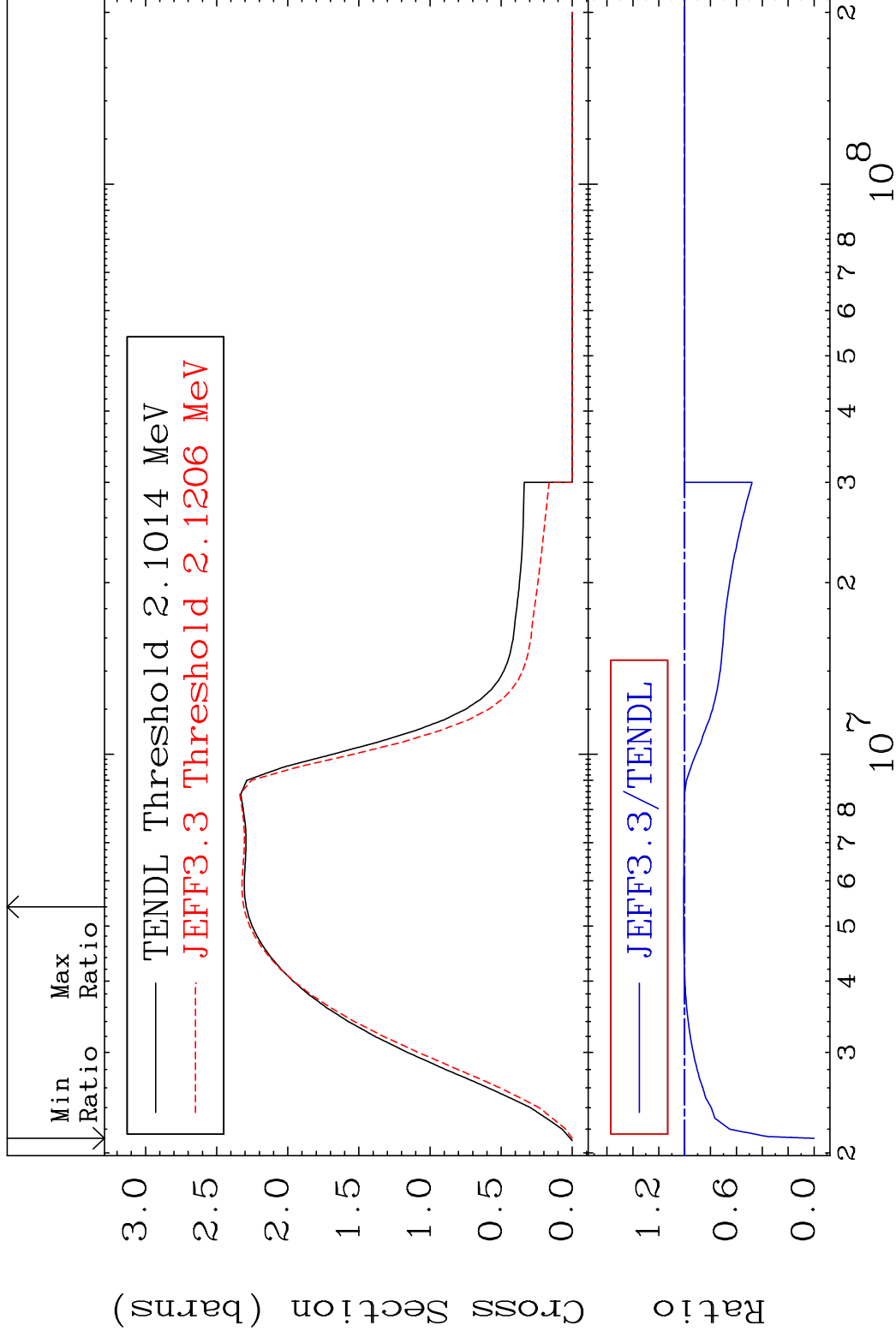


MAT 8031 MT= 79 (n, n') Level 80-Hg-198
 Cross Section -100.0 To 75.63 %



MAT 8031

(n, n') Continuum 80-Hg-198
Cross Section -100.0 To 0.763 %



49

Incident Energy (eV)

80-Hg-198

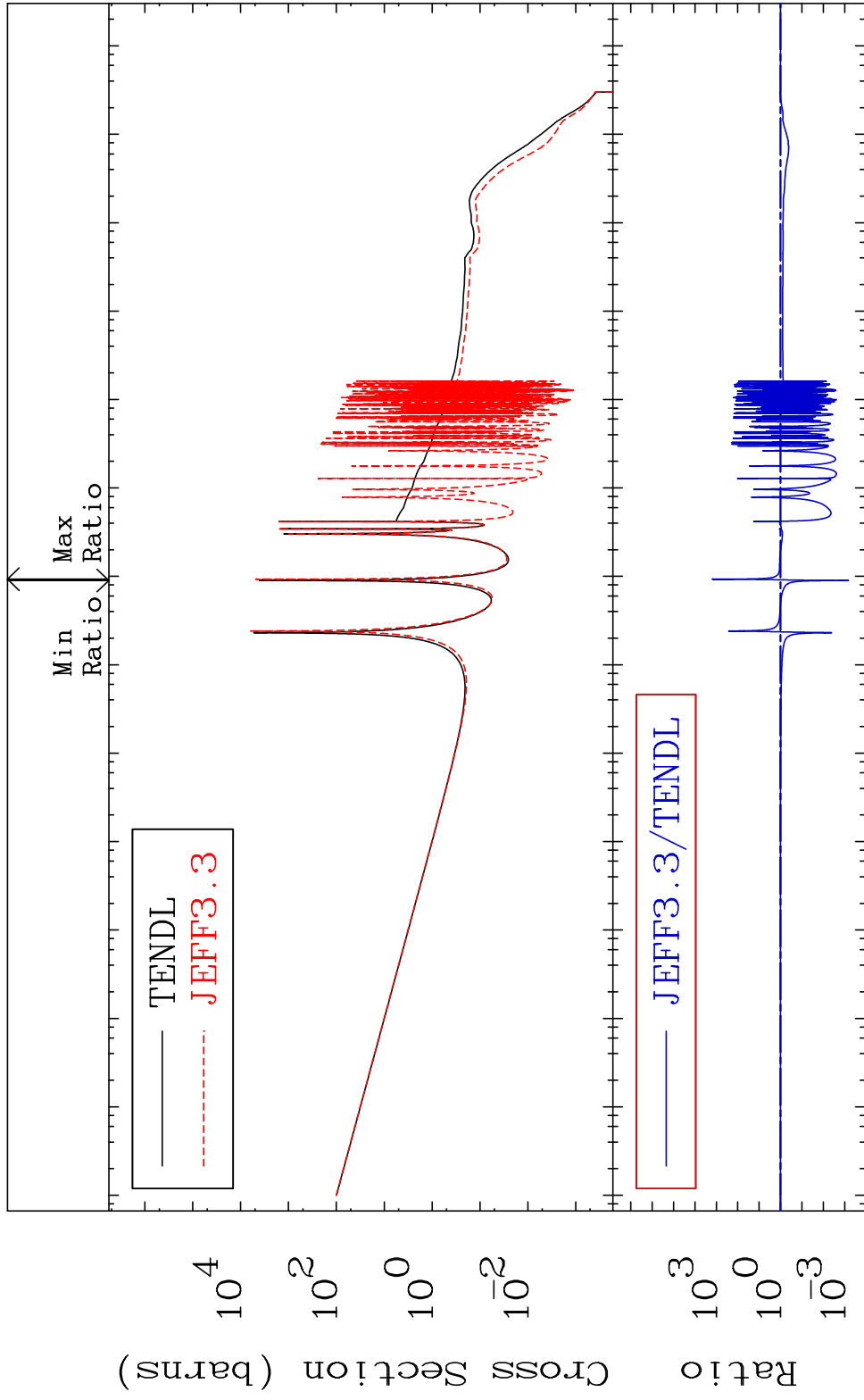
MAT 8031

(n, γ)

80-Hg-198

Cross Section

-99.93 To 9999. %



50

Incident Energy (eV)

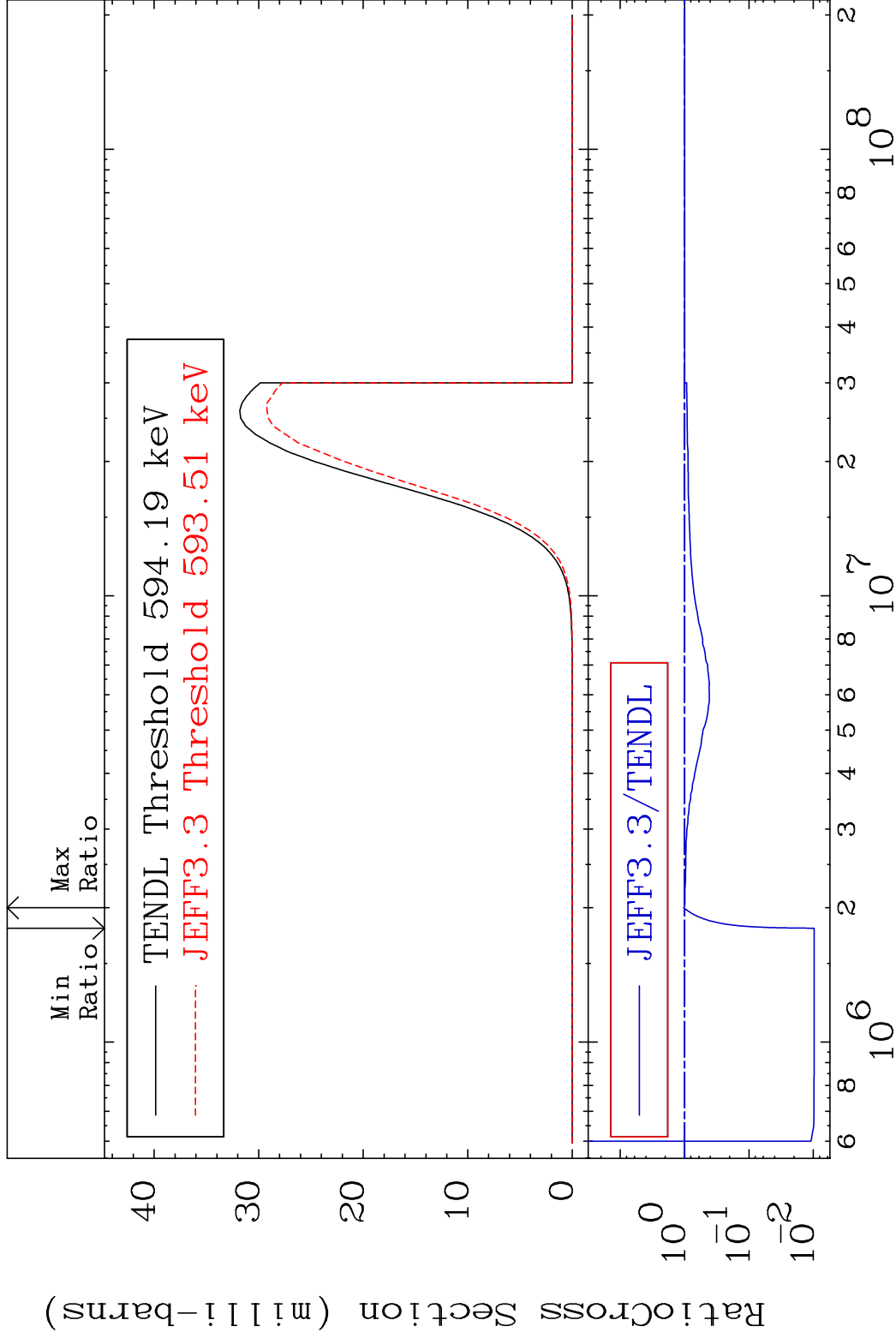
80-Hg-198

MAT 8031

(n, p)

80-Hg-198

Cross Section -99.03 To 3.536 %



51

Incident Energy (eV)

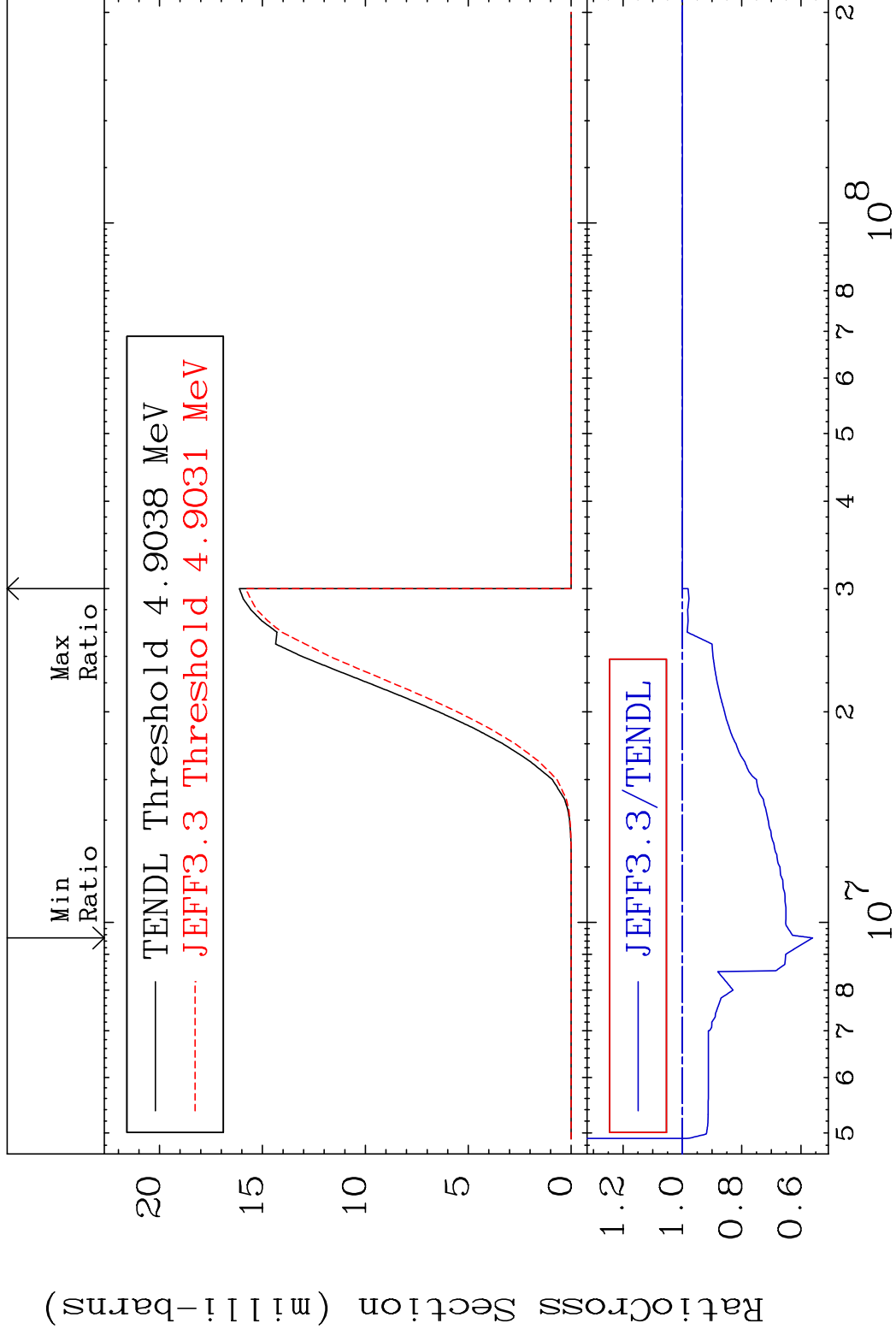
80-Hg-198

MAT 8031

(n, d)

80-Hg-198

Cross Section -43.91 To 0.000 %

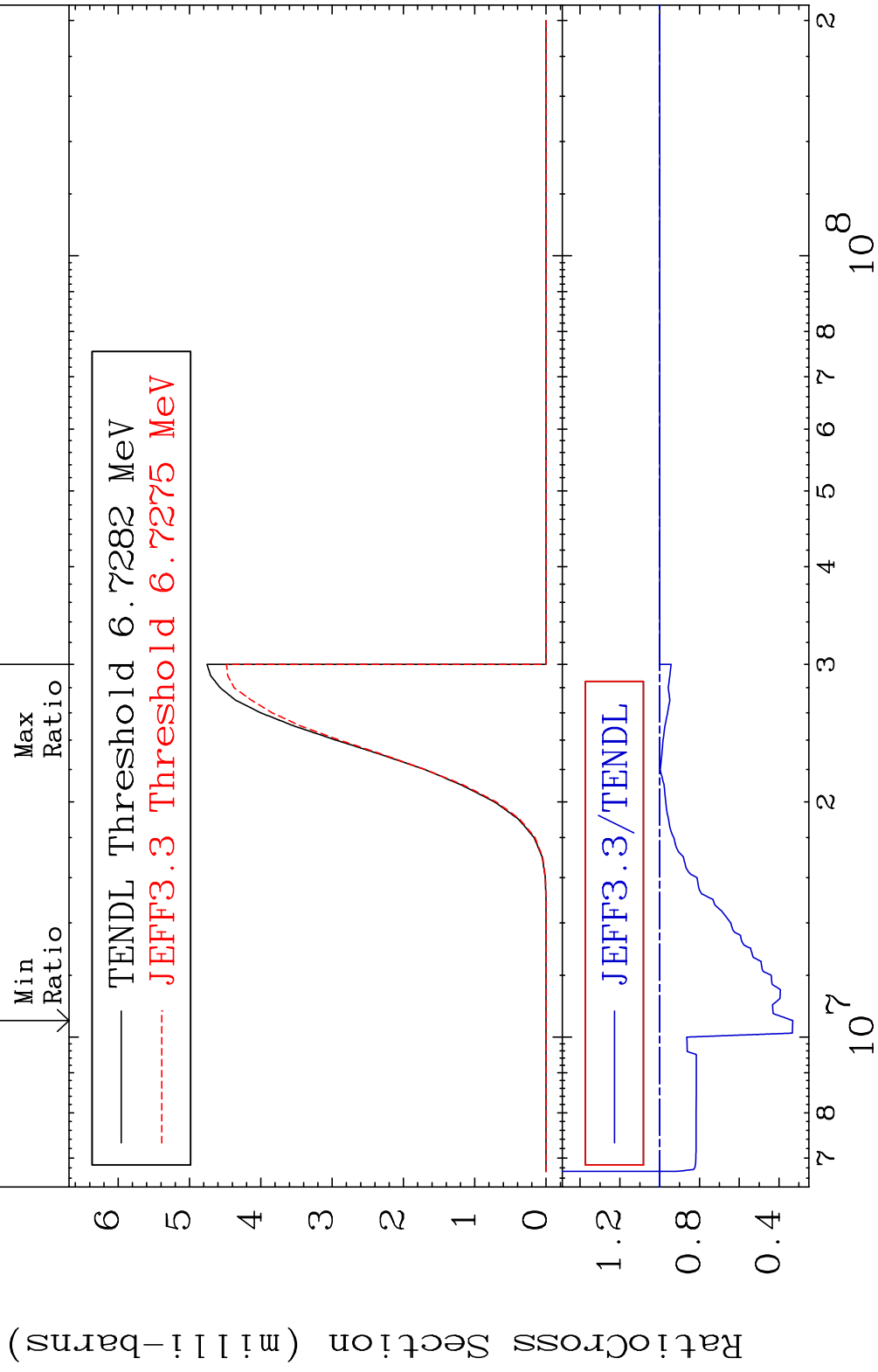


MAT 8031

(n, t)

80-Hg-198

Cross Section -66.90 To 0.000 %



53

Incident Energy (eV)

80-Hg-198

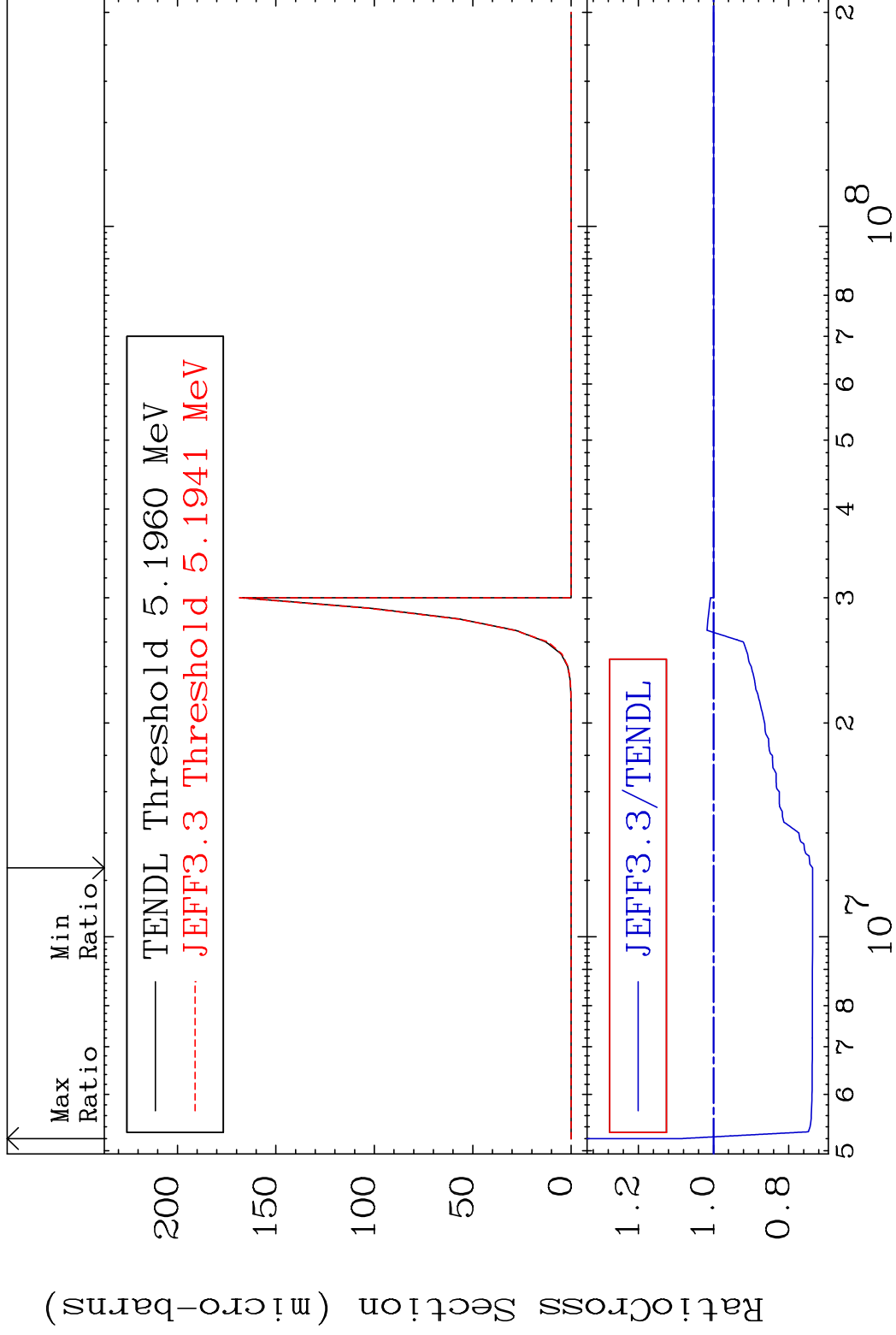
MAT 8031

(n, He-3)

80-Hg-198

Cross Section

-26.35 To 8.296 %



54

Incident Energy (eV)

80-Hg-198

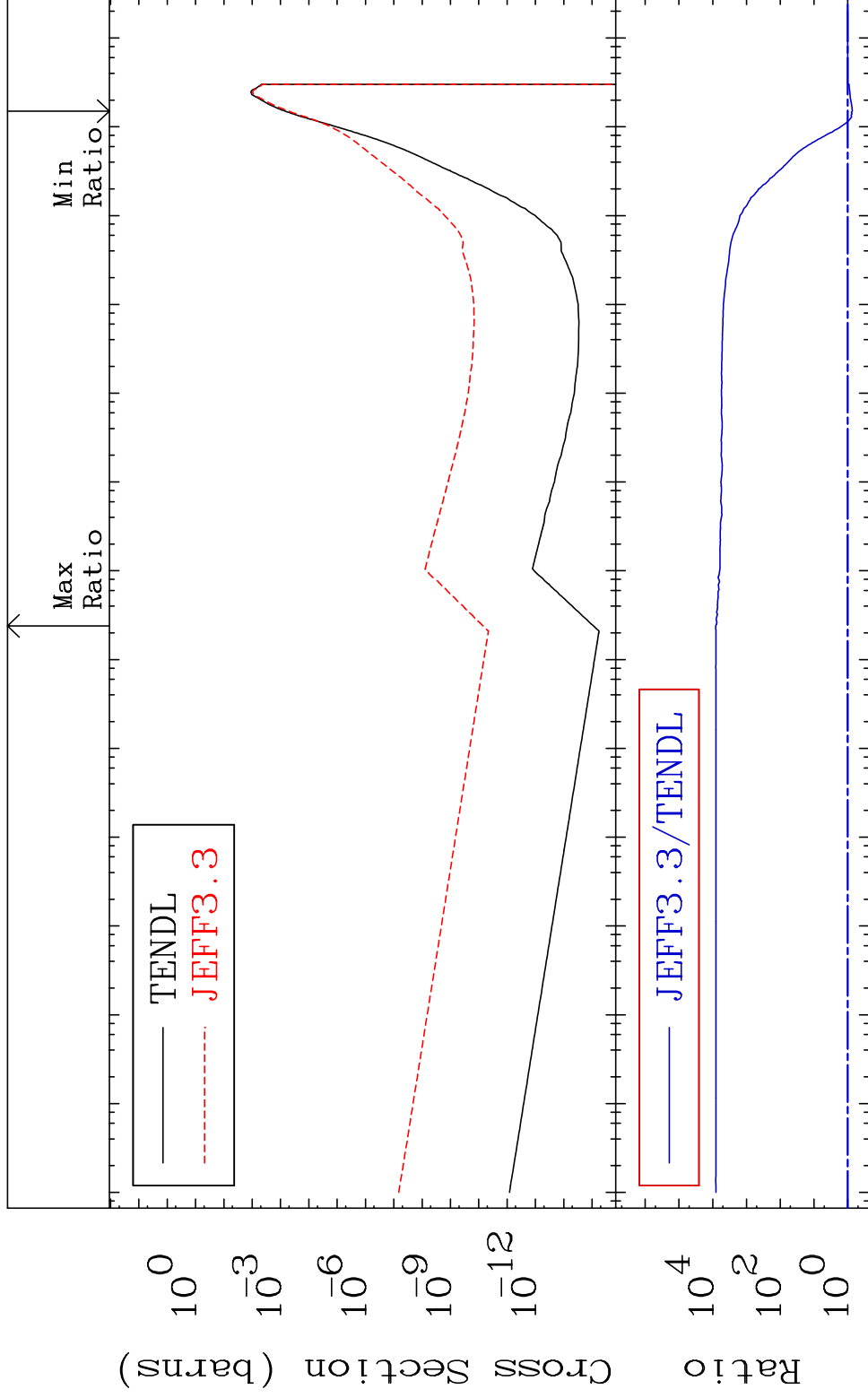
MAT 8031

(n, α)

80-Hg-198

Cross Section

-26.02 To 9999. %



55

Incident Energy (eV)

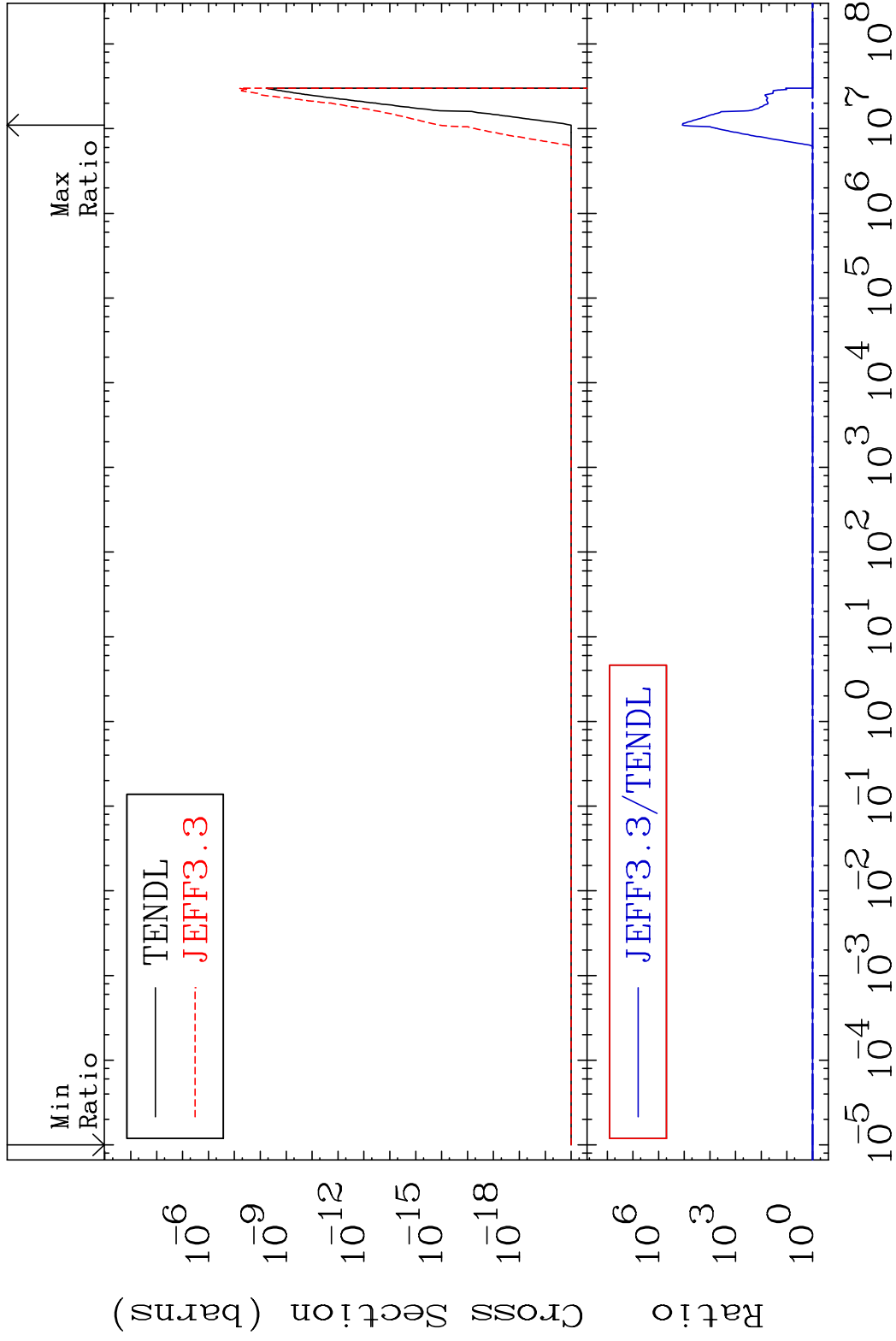
80-Hg-198

MAT 8031

(n,2α)

80-Hg-198

Cross Section 0.000 To 9999. %



56

Incident Energy (eV)

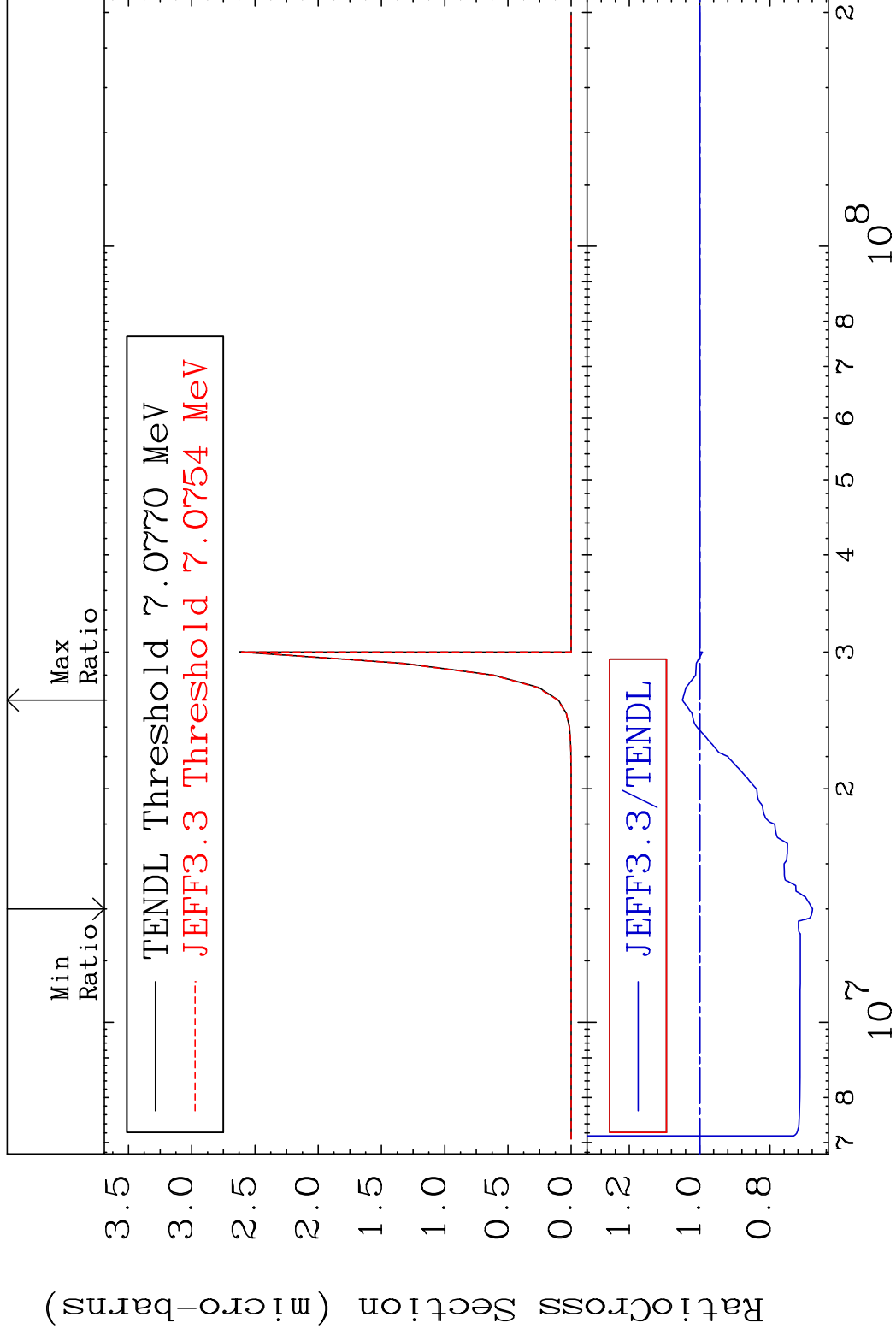
80-Hg-198

MAT 8031

(n,2p)

80-Hg-198

Cross Section -32.12 To 4.918 %



57

Incident Energy (eV)

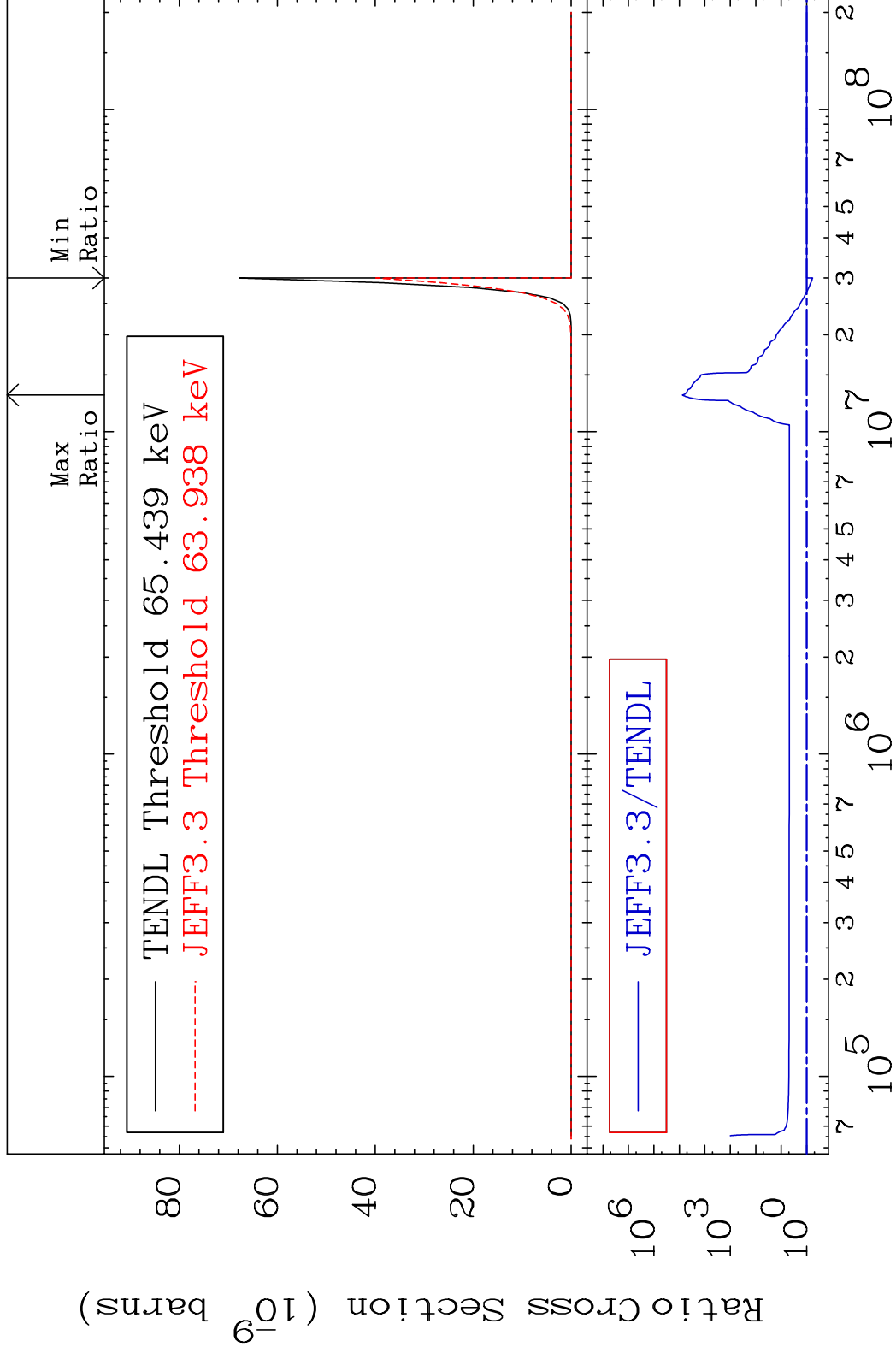
80-Hg-198

MAT 8031

(n,p) α

80-Hg-198

Cross Section -41.15 To 9999. %



58

Incident Energy (eV)

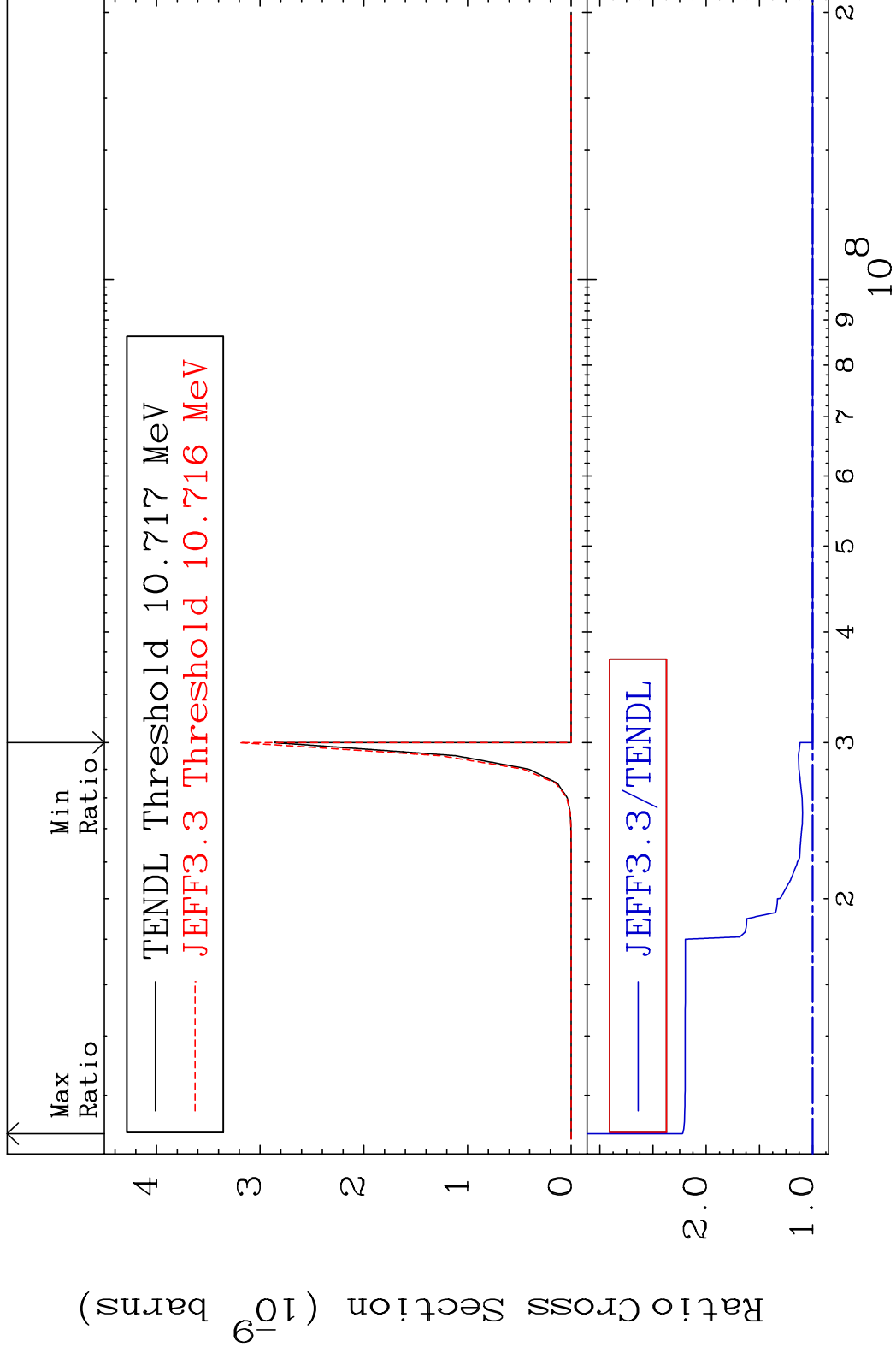
80-Hg-198

MAT 8031

(n,p) d

80-Hg-198

Cross Section 0.000 To 122.4 %



59

Incident Energy (eV)

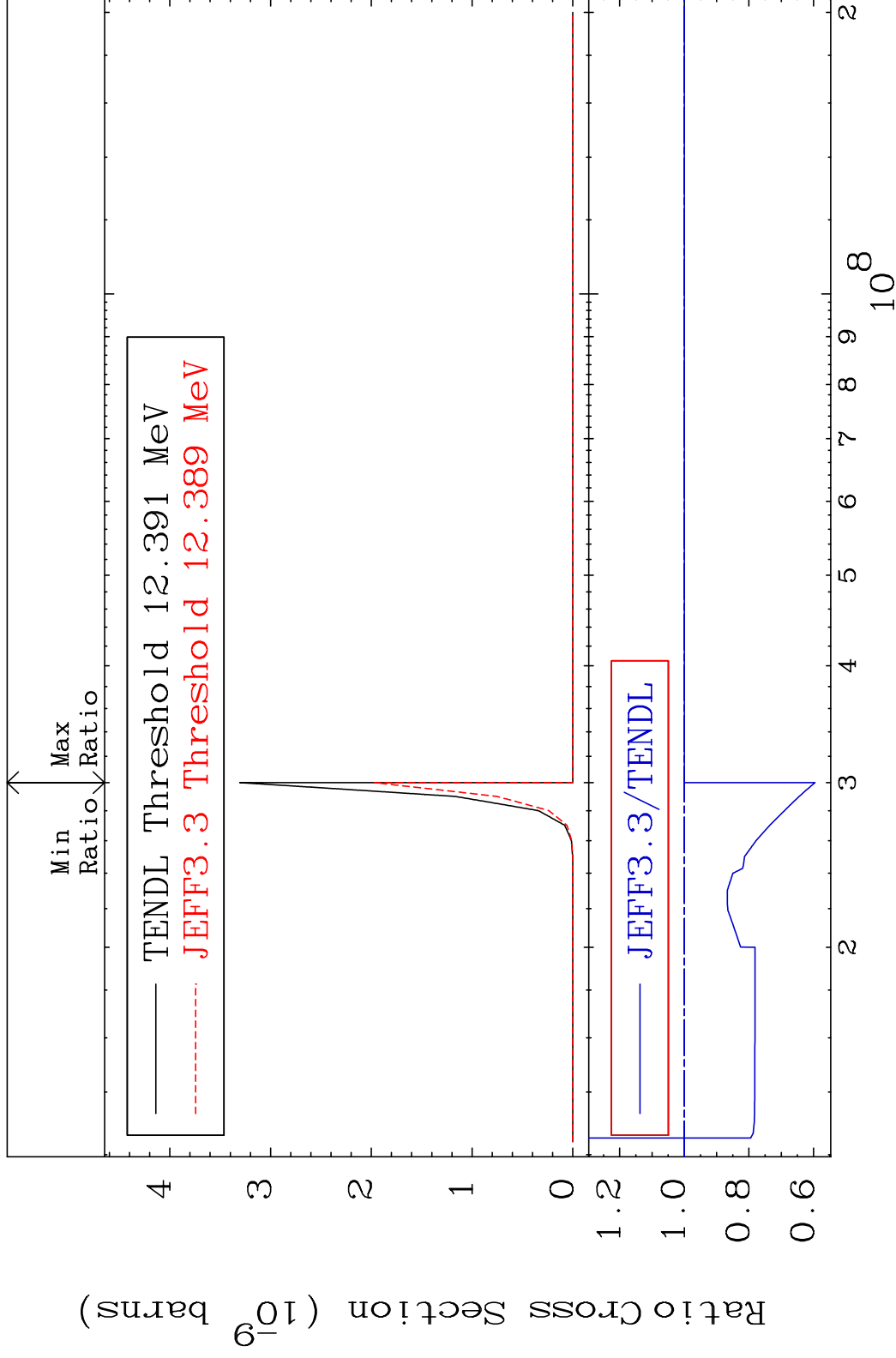
80-Hg-198

MAT 8031

(n,p) t

80-Hg-198

Cross Section -40.40 To 0.000 %



60

Incident Energy (eV)

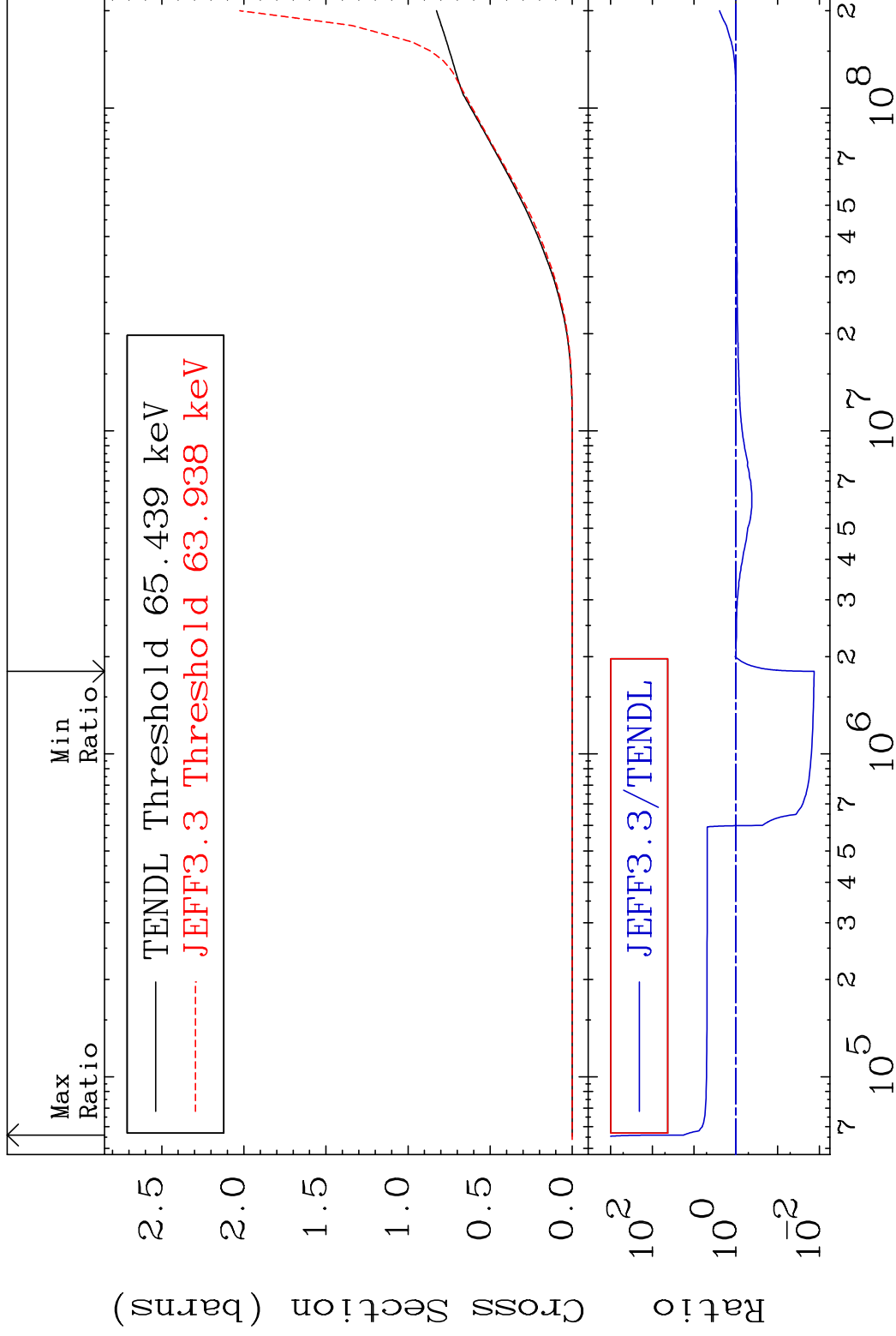
80-Hg-198

MAT 8031

Hydrogen Production

80-Hg-198

Cross Section -98.67 To 1676. %



61

Incident Energy (eV)

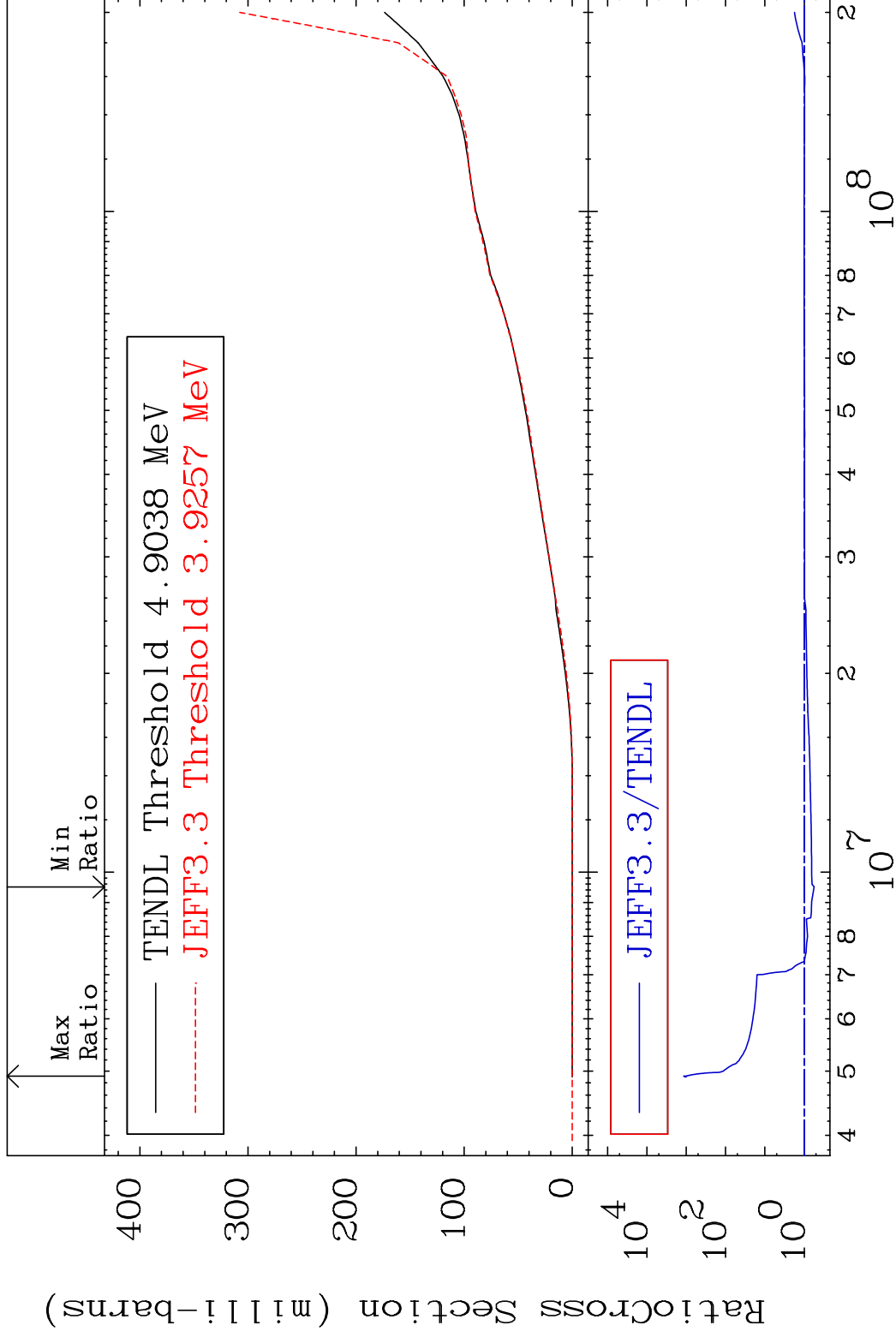
80-Hg-198

MAT 8031

Deuterium Production

80-Hg-198

Cross Section -43.91 To 9999. %

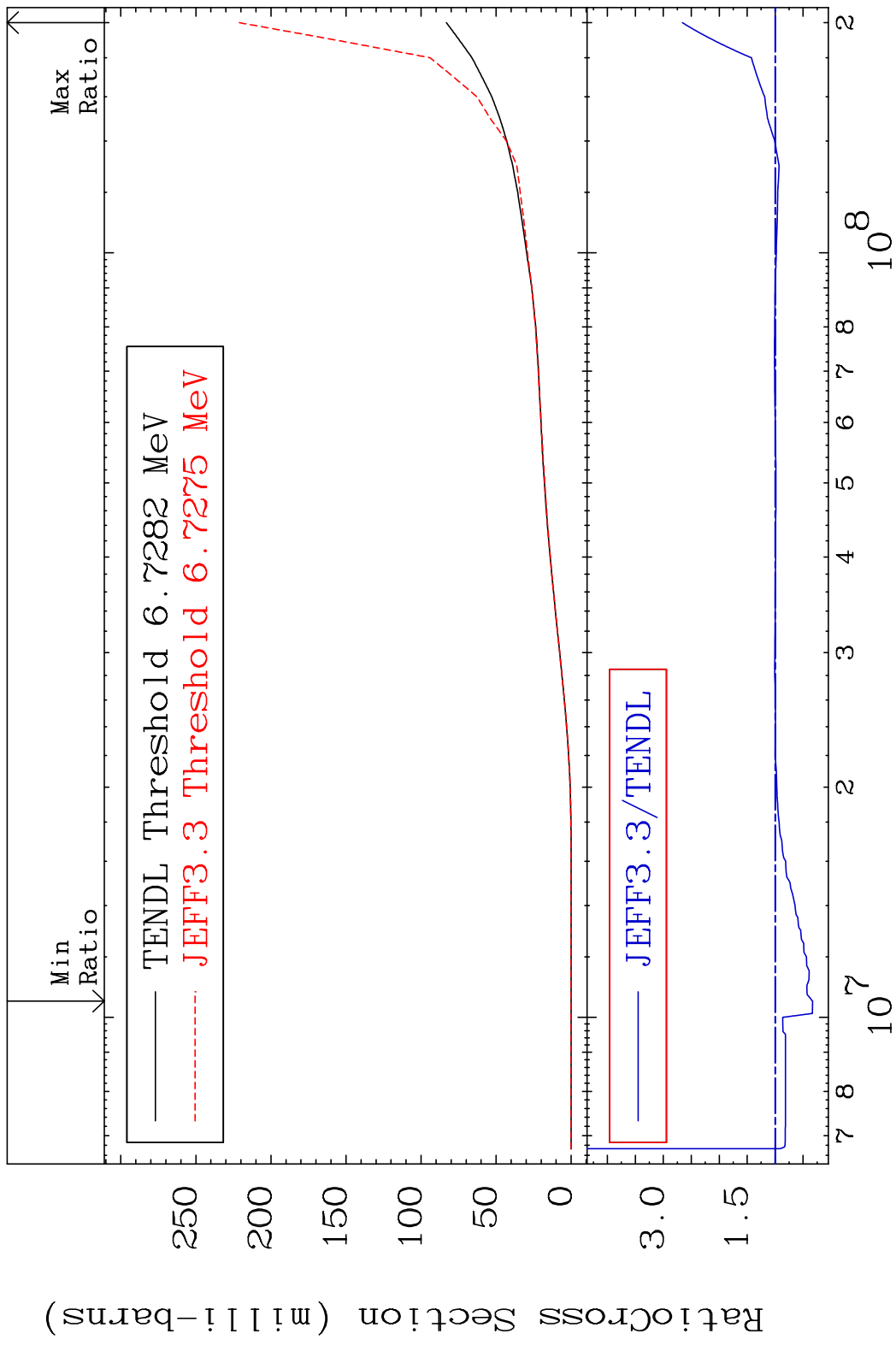


62

Incident Energy (eV)

80-Hg-198

MAT 8031 Tritium Production 80-Hg-198
 Cross Section -66.90 To 165.9 %

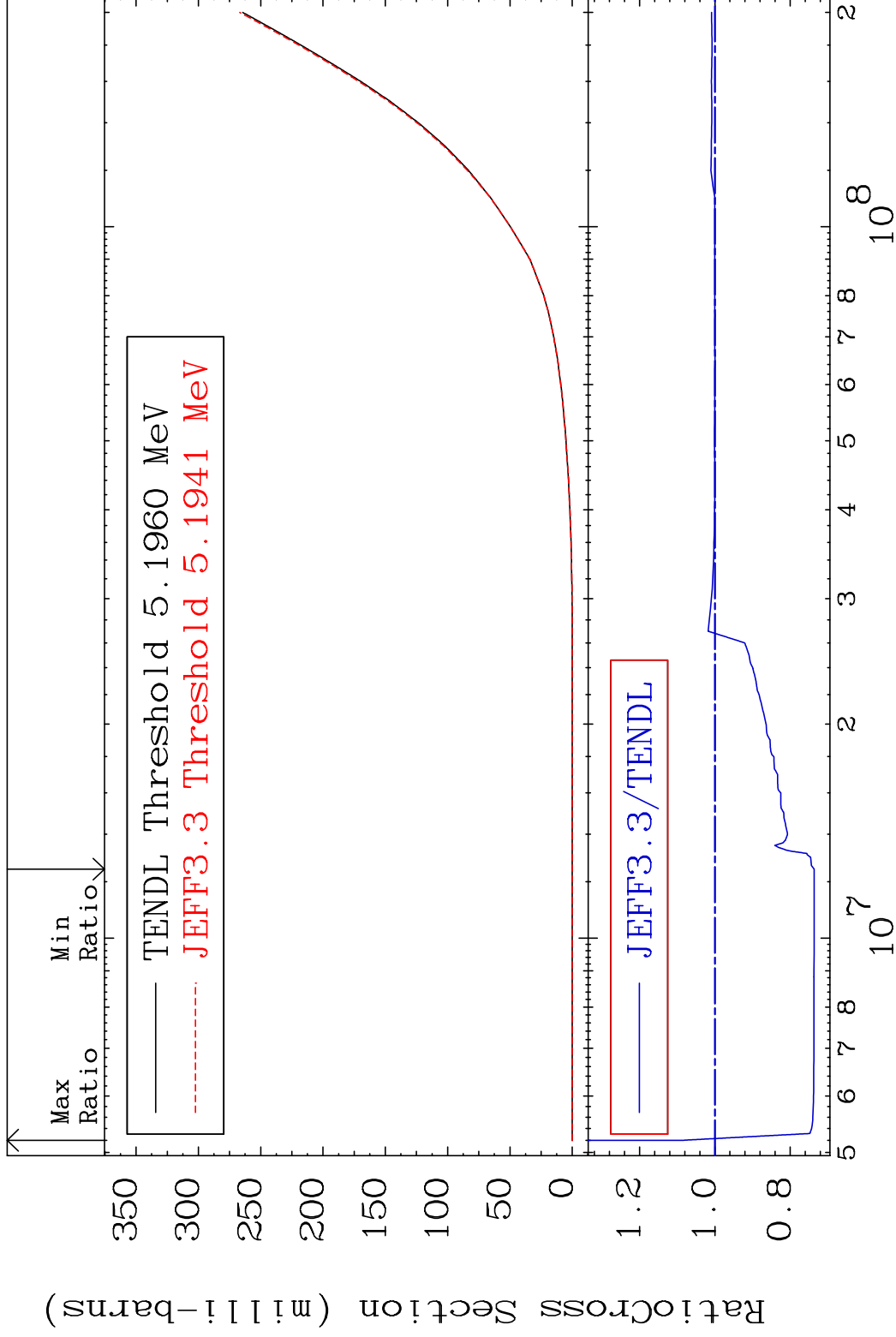


MAT 8031

He-3 Production

80-Hg-198

Cross Section -26.35 To 8.296 %



64

Incident Energy (eV)

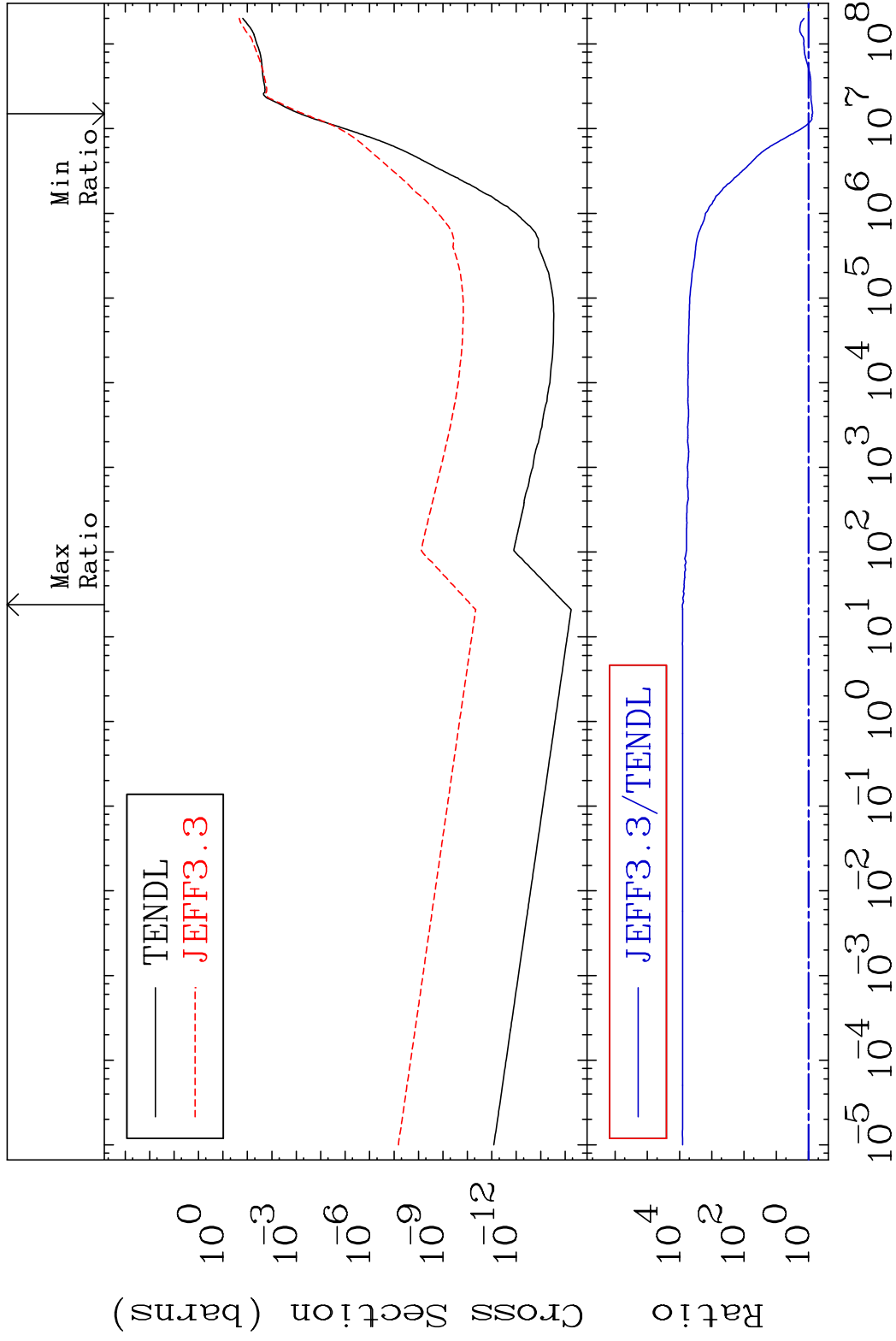
80-Hg-198

MAT 8031

He-4 Production

80-Hg-198

Cross Section -25.15 To 9999. %

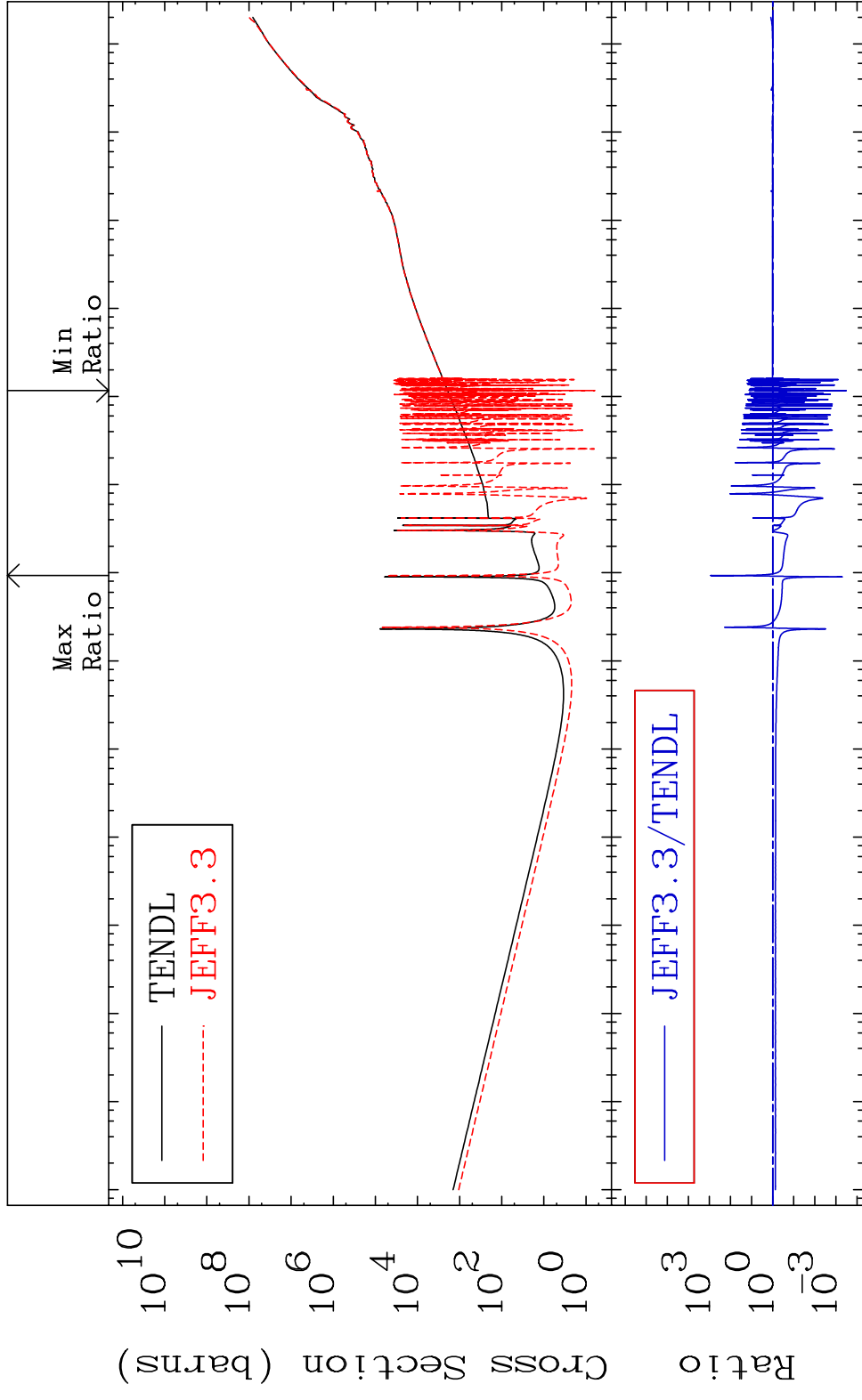


65

Incident Energy (eV)

80-Hg-198

MAT 8031 Kerma total (eV-barns) 80-Hg-198
 Cross Section -99.97 To 9999. %

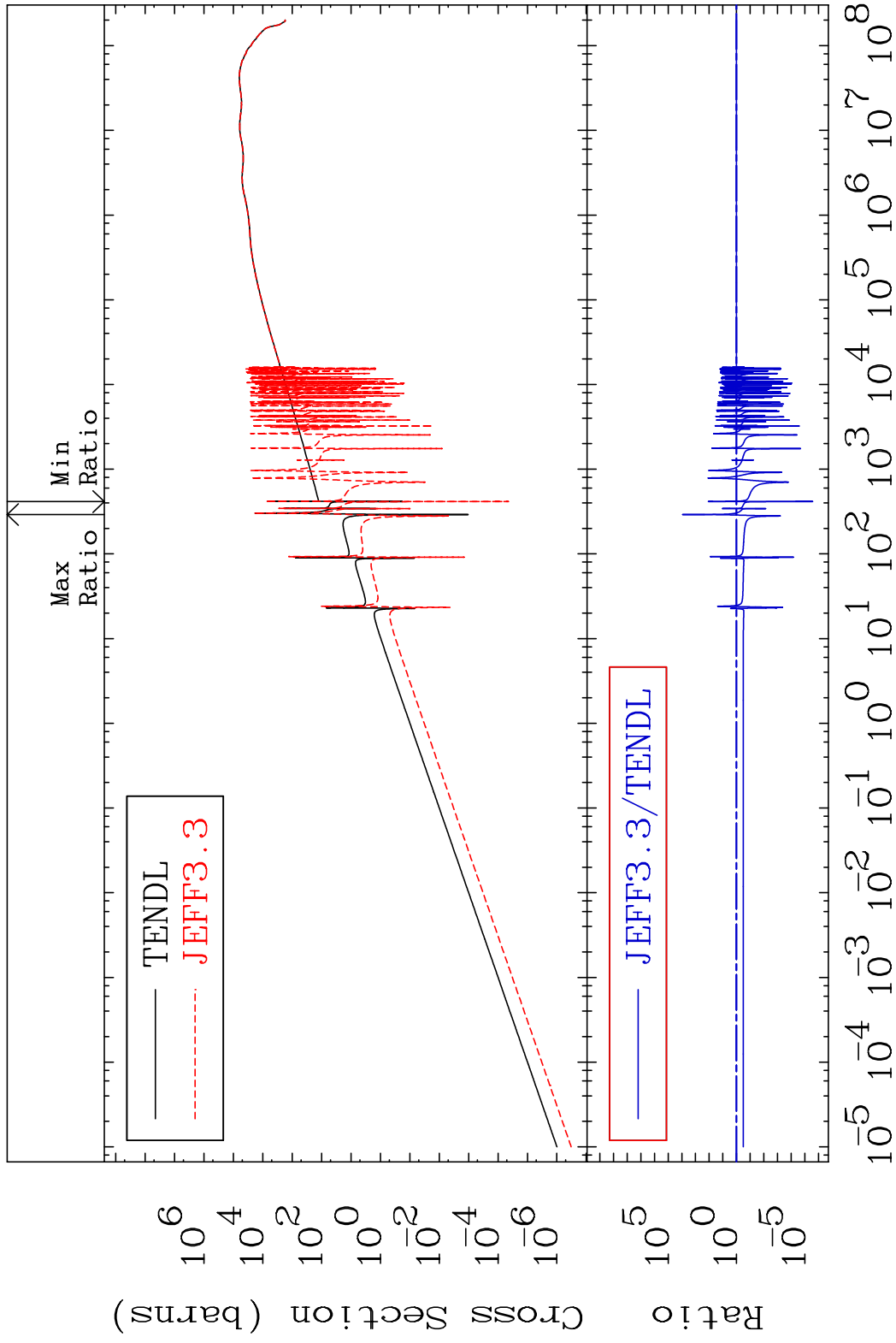


MAT 8031

Kerma elastic

80-Hg-198

Cross Section -100.0 To 9999. %

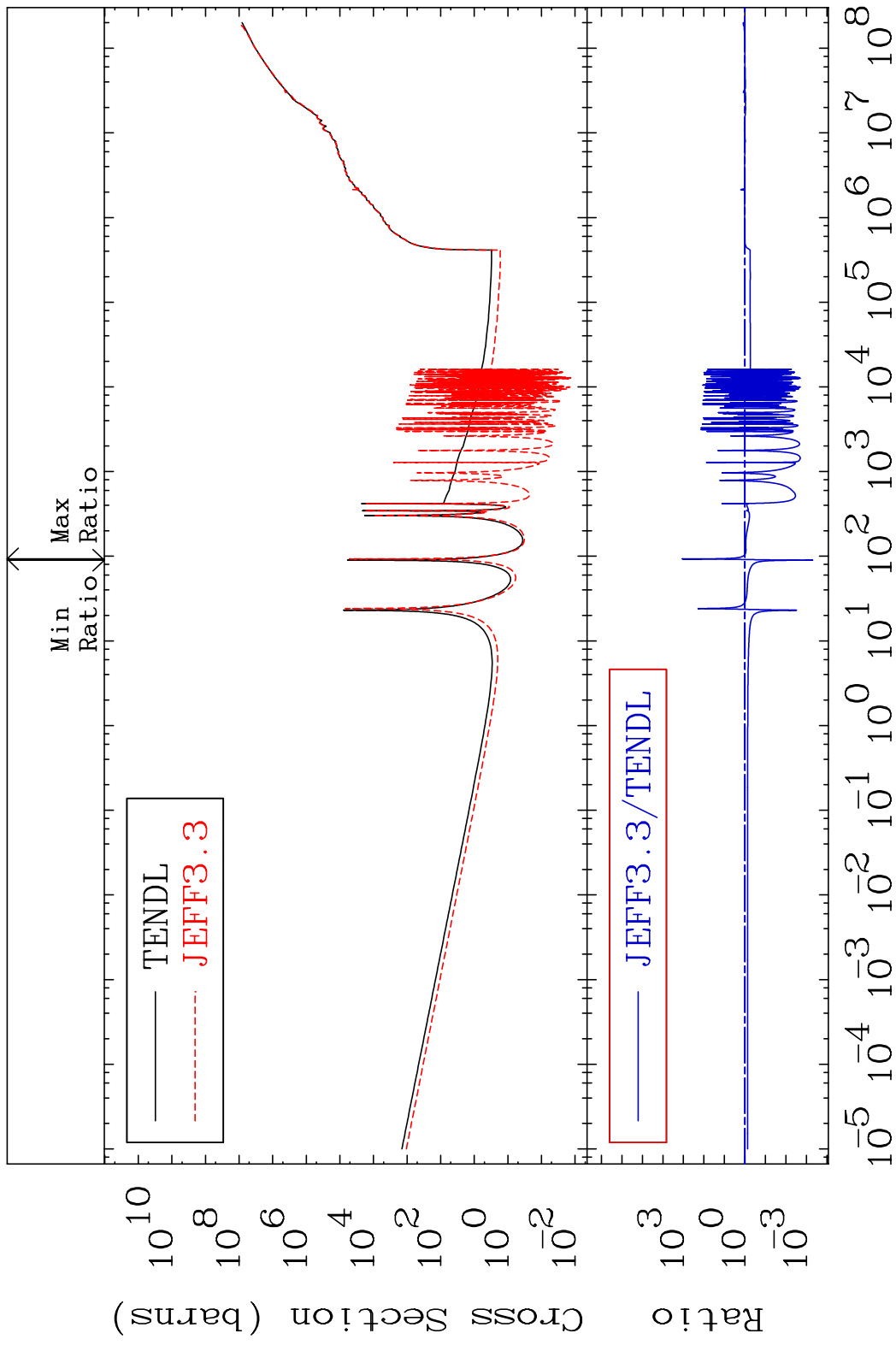


67

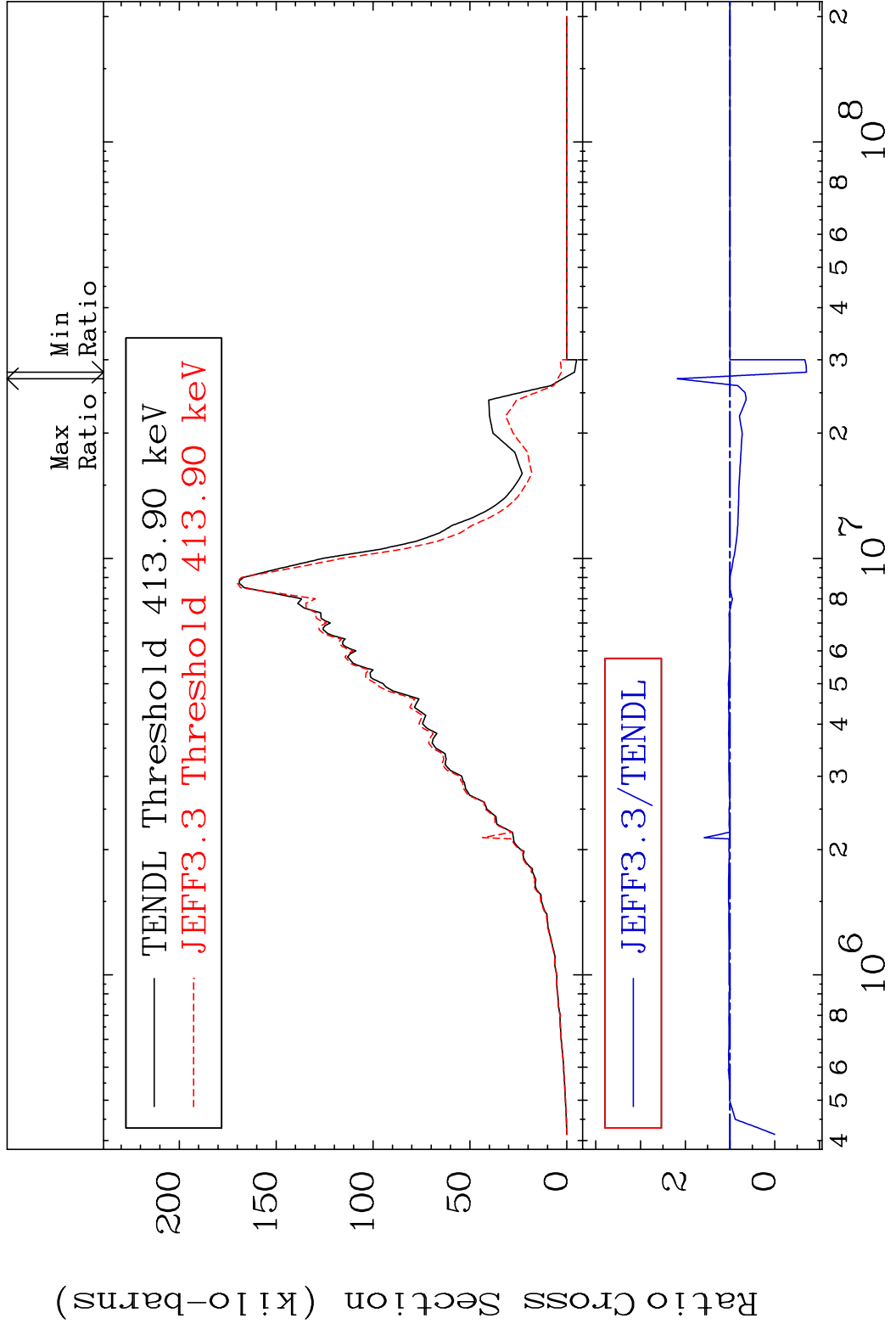
Incident Energy (eV)

80-Hg-198

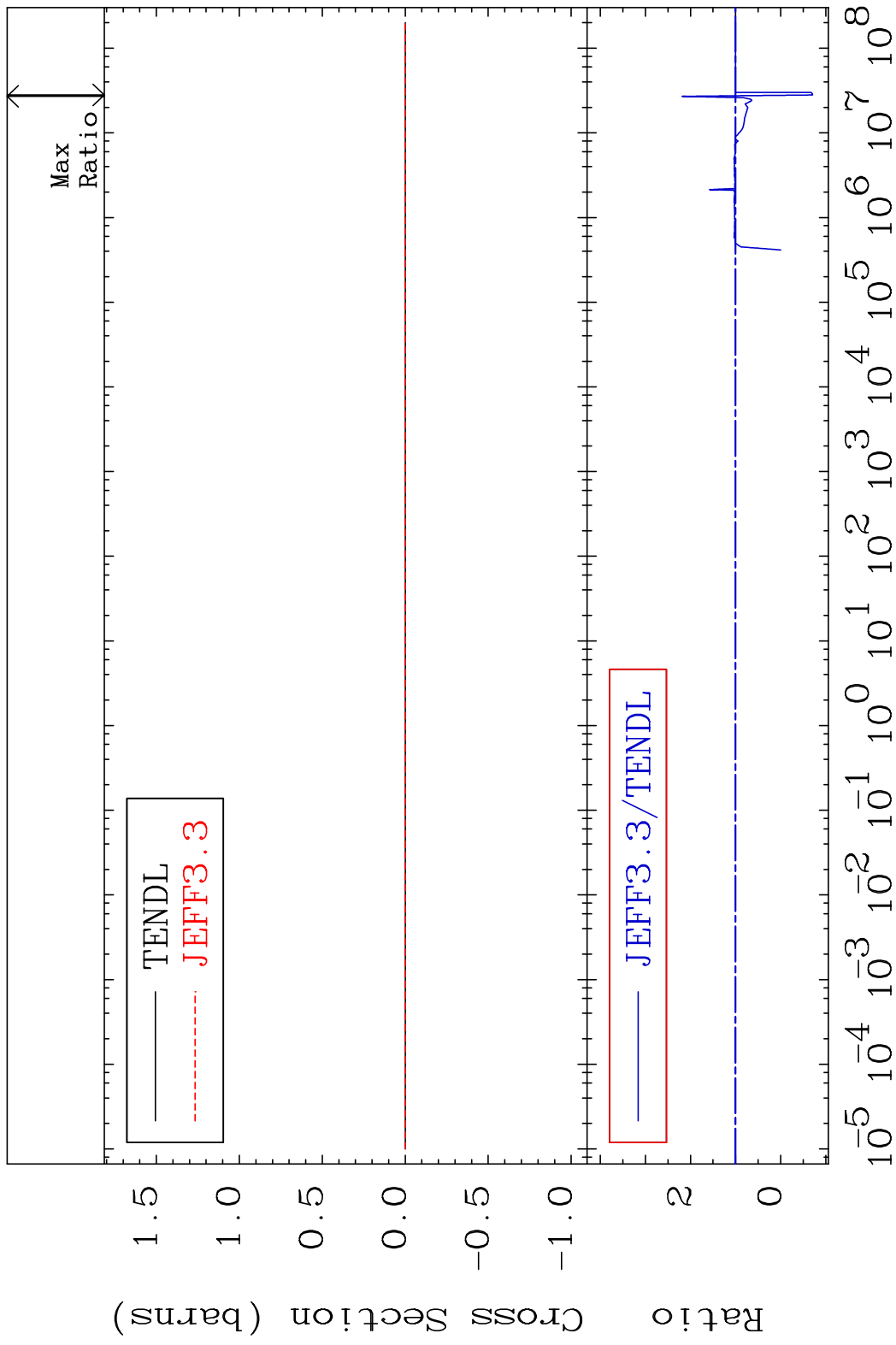
MAT 8031 Kerma non-elastic (all but mt2) 80-Hg-198
 Cross Section -99.95 To 9999. %



MAT 8031 Kerma inelastic (mt51-91) 80-Hg-198
 Cross Section -170.6 To 118.1 %



MAT 8031 Kerma fission (mt18 or mt19-20-21-38)80-Hg-198
 Cross Section -170.6 To 118.1 %

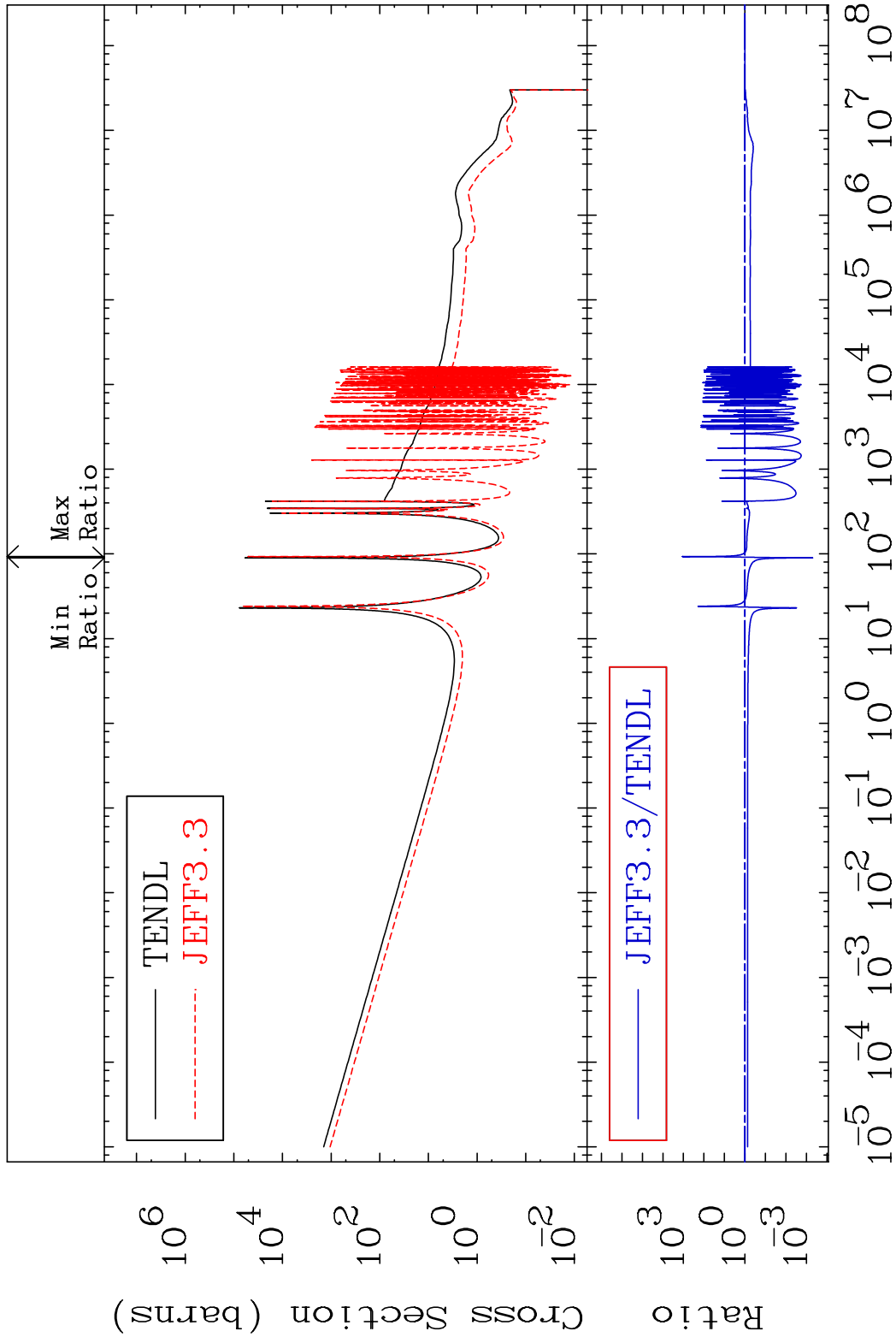


70 Incident Energy (eV) 80-Hg-198

MAT 8031

Kerma capture (mt102) 80-Hg-198

Cross Section -99.95 To 9999. %

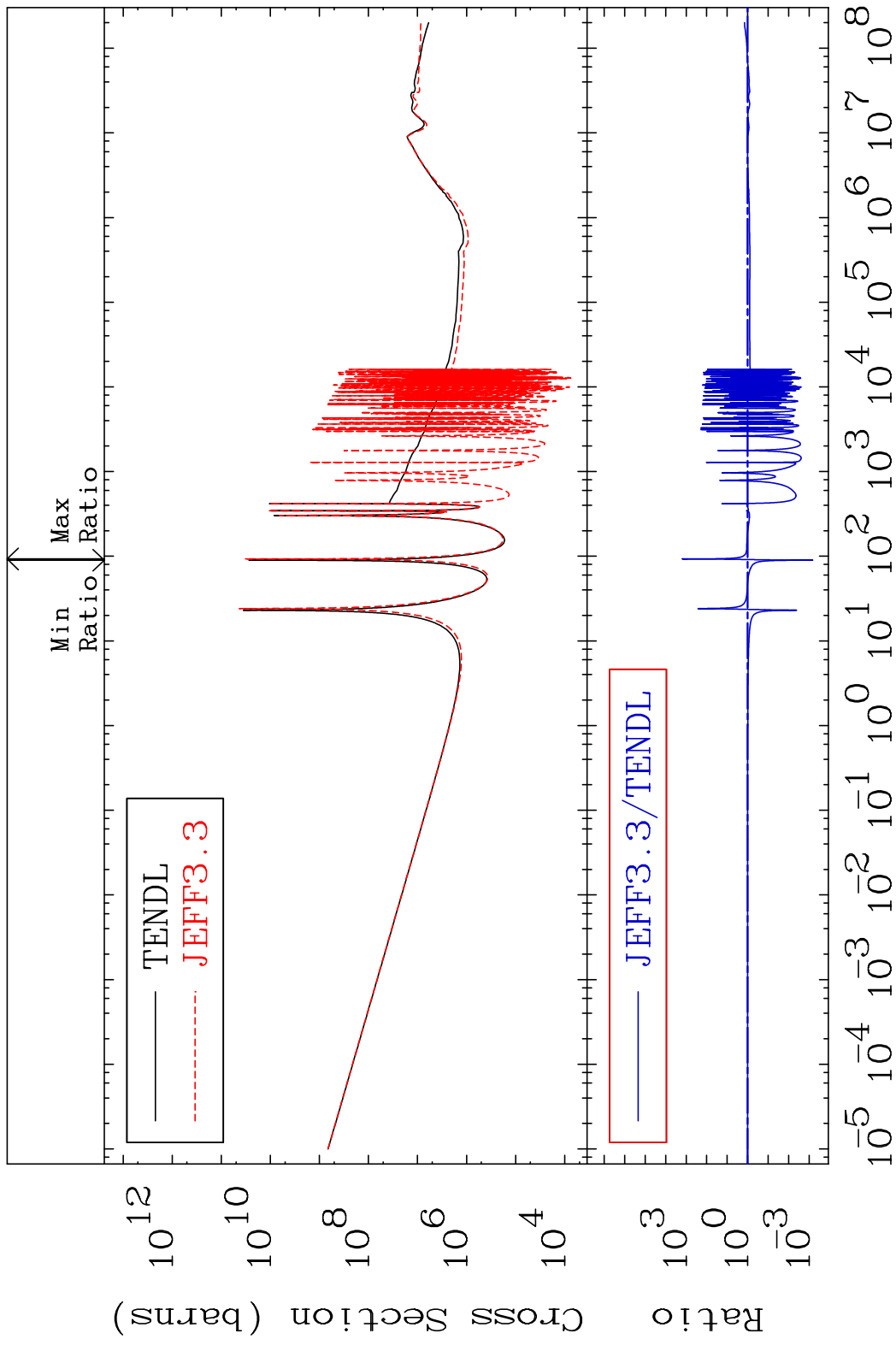


71

Incident Energy (eV)

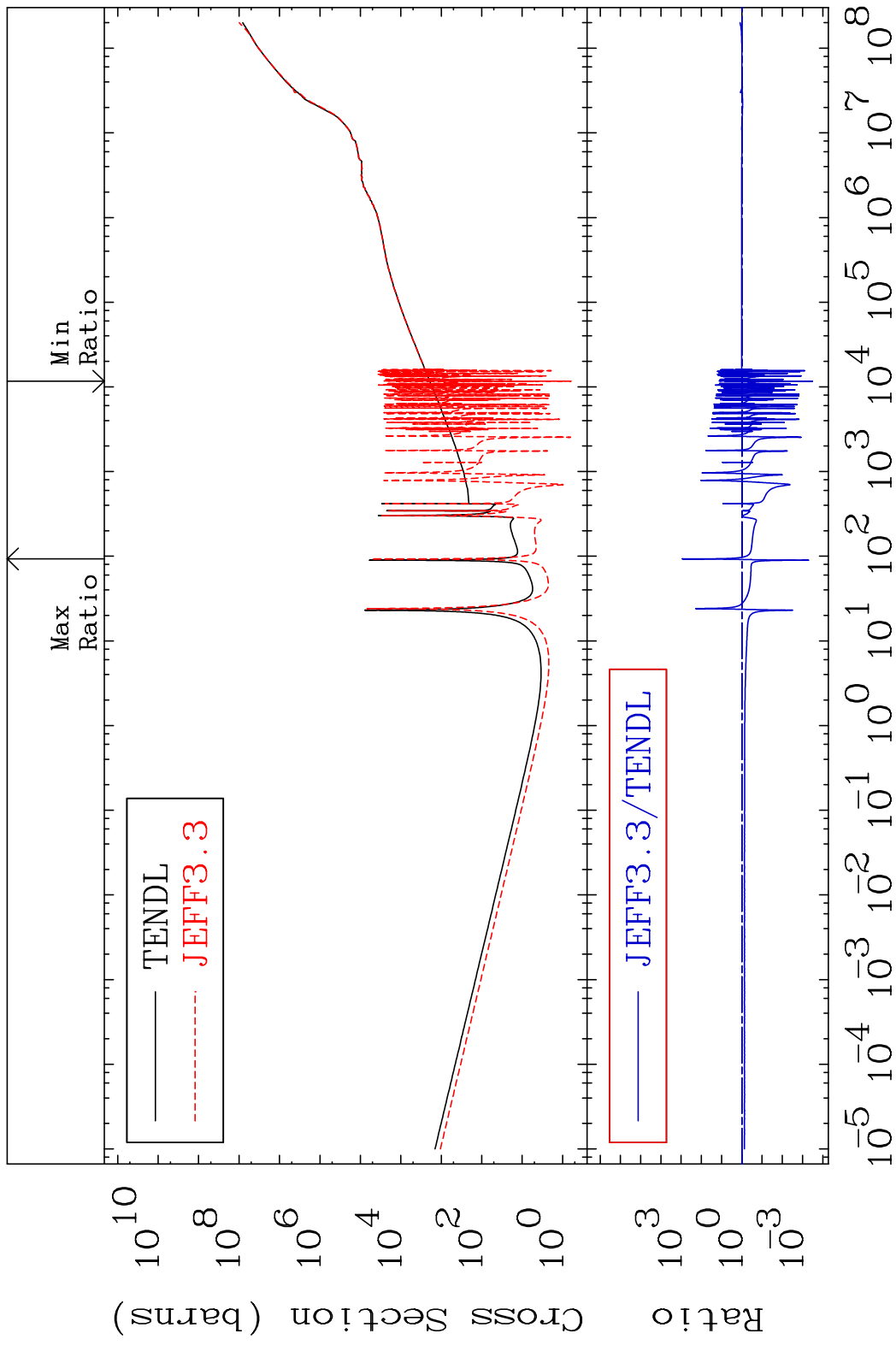
80-Hg-198

MAT 8031 Total photon (eV-barns) 80-Hg-198
 Cross Section -99.93 To 9999. %

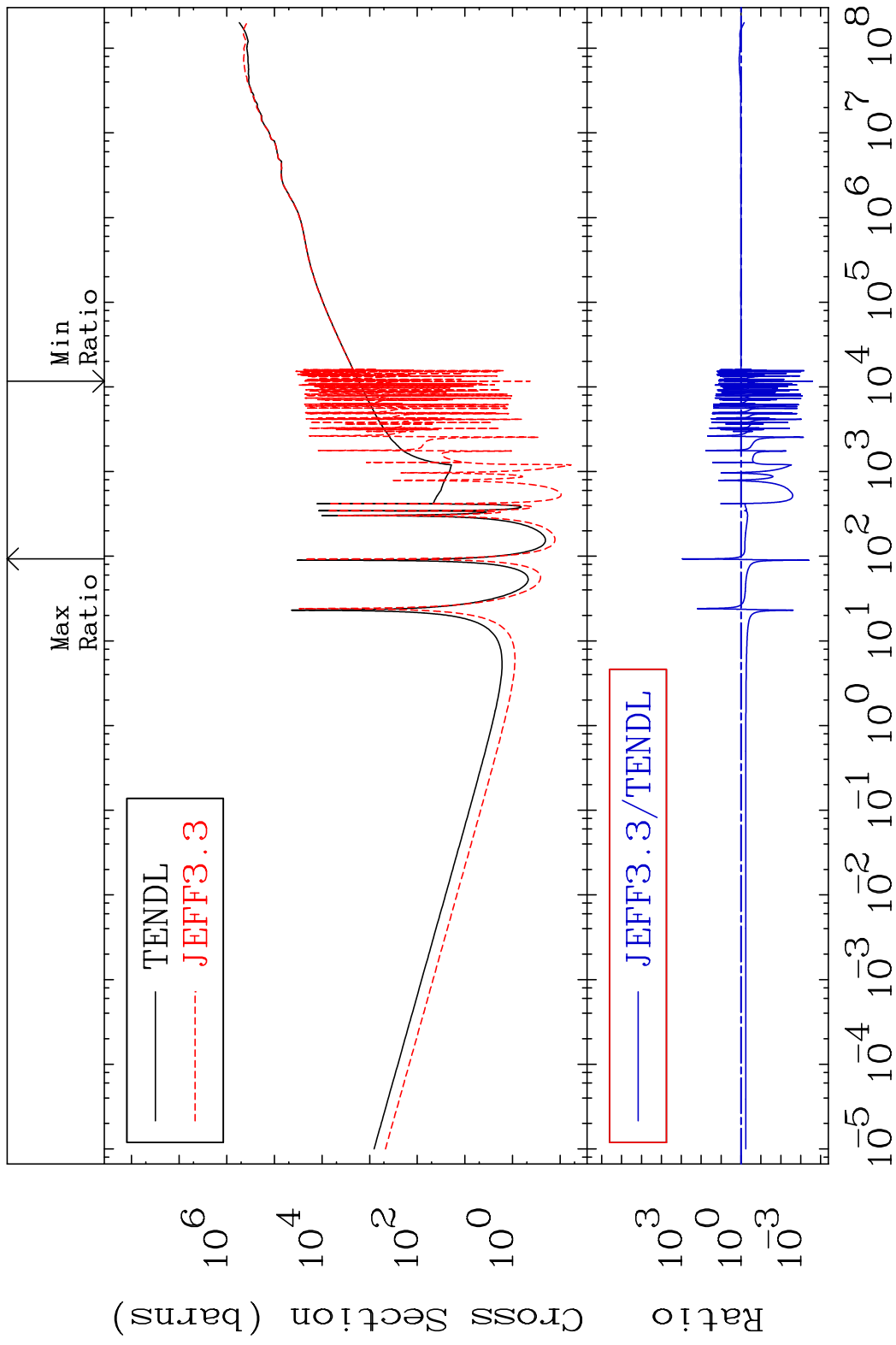


72 Incident Energy (eV) 80-Hg-198

MAT 8031 Total kinematic kerma (high limit) 80-Hg-198
 Cross Section -99.97 To 9999. %



MAT 8031 Dpa total (eV-barns) 80-Hg-198
 Cross Section -99.97 To 9999. %

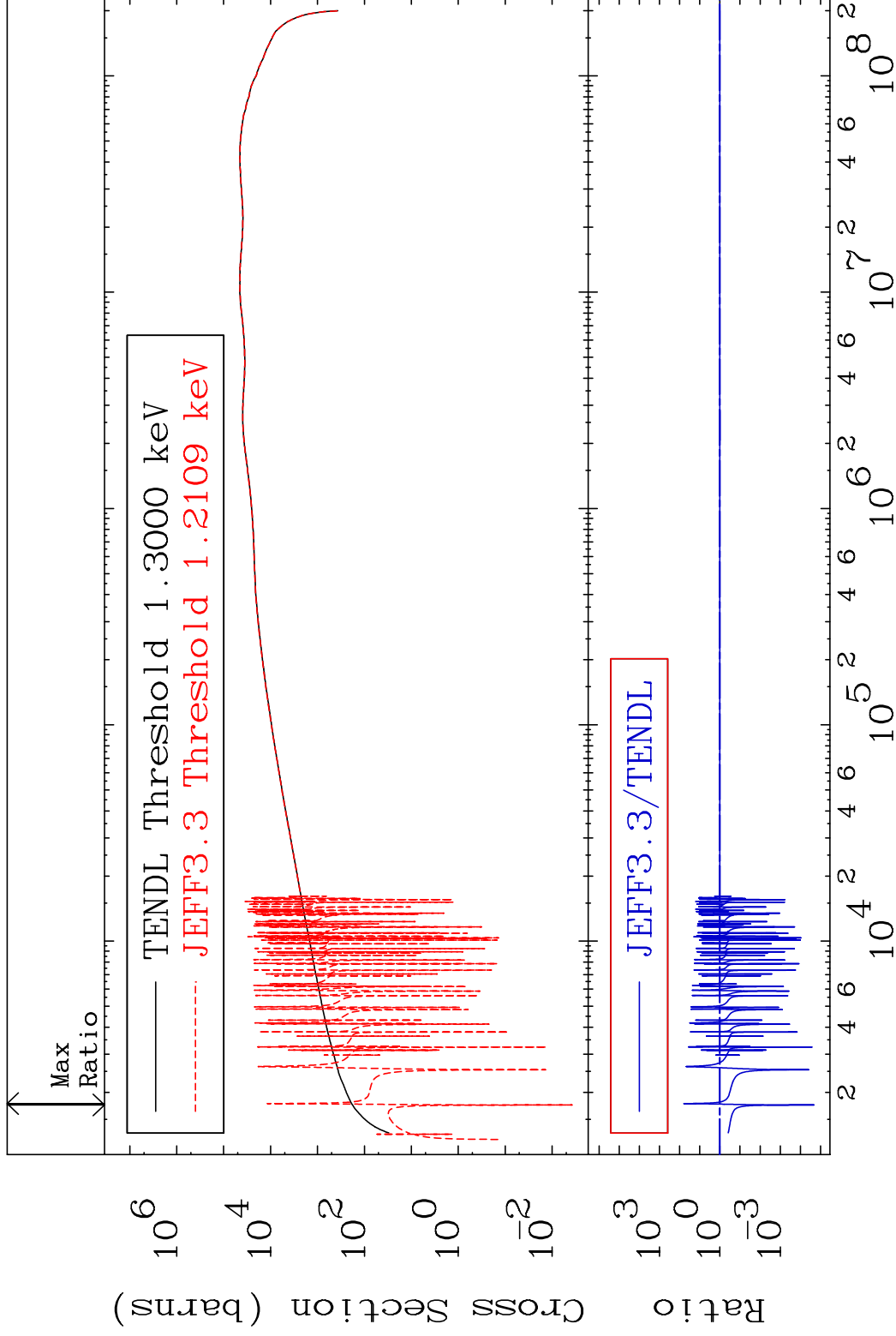


MAT 8031

Dpa elastic (mt2)

80-Hg-198

Cross Section -100.0 To 6240. %

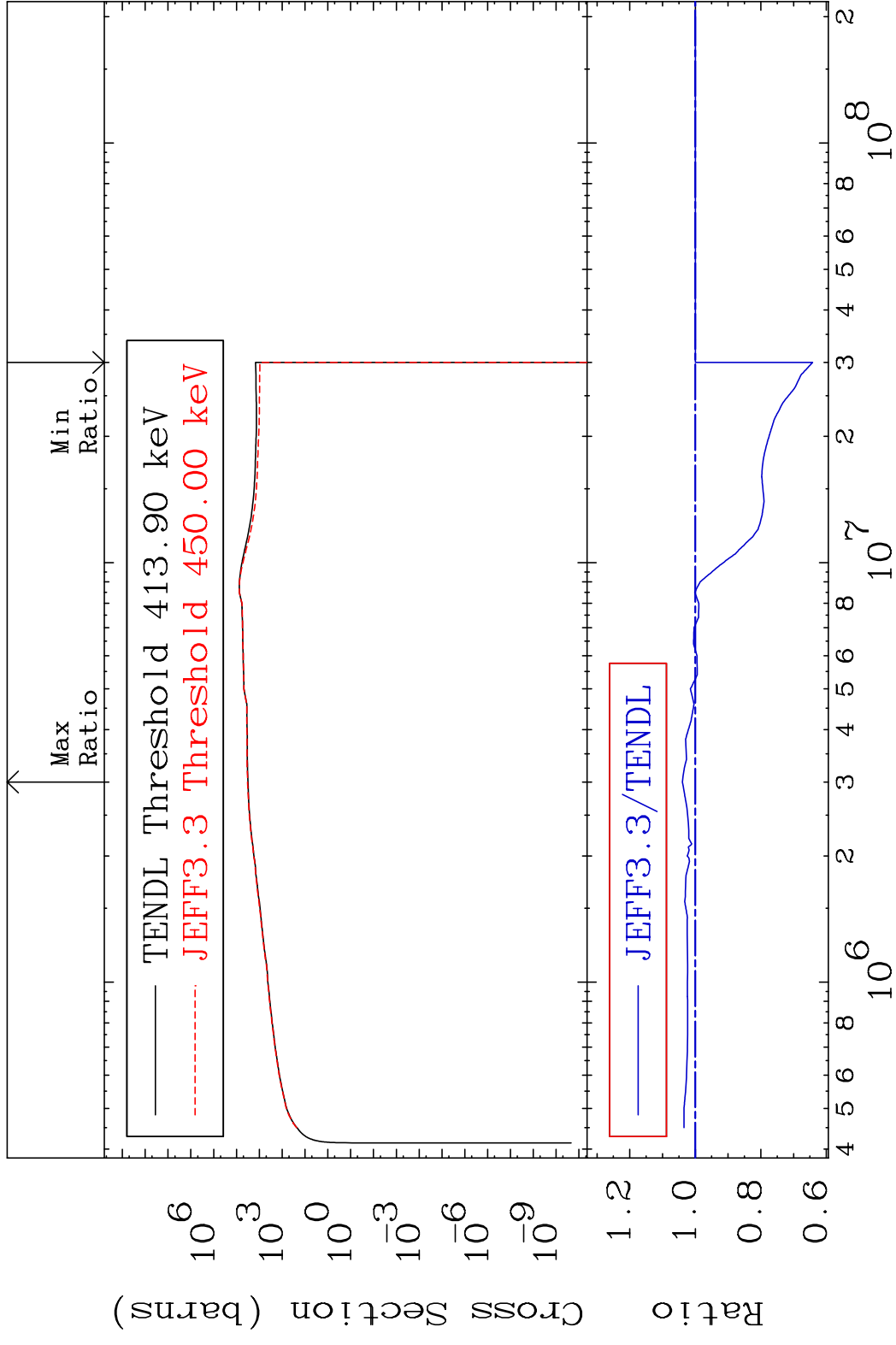


75

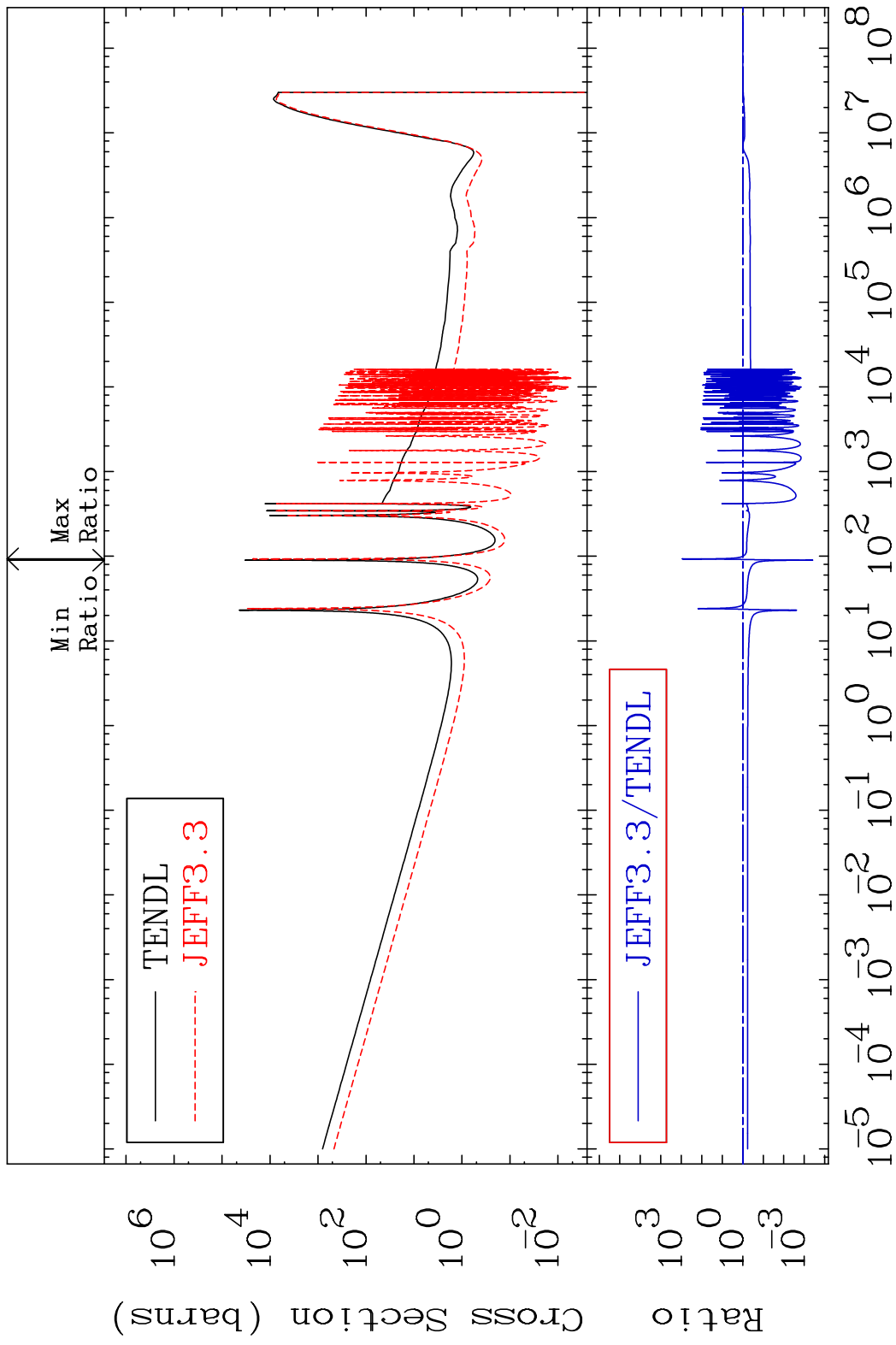
Incident Energy (eV)

80-Hg-198

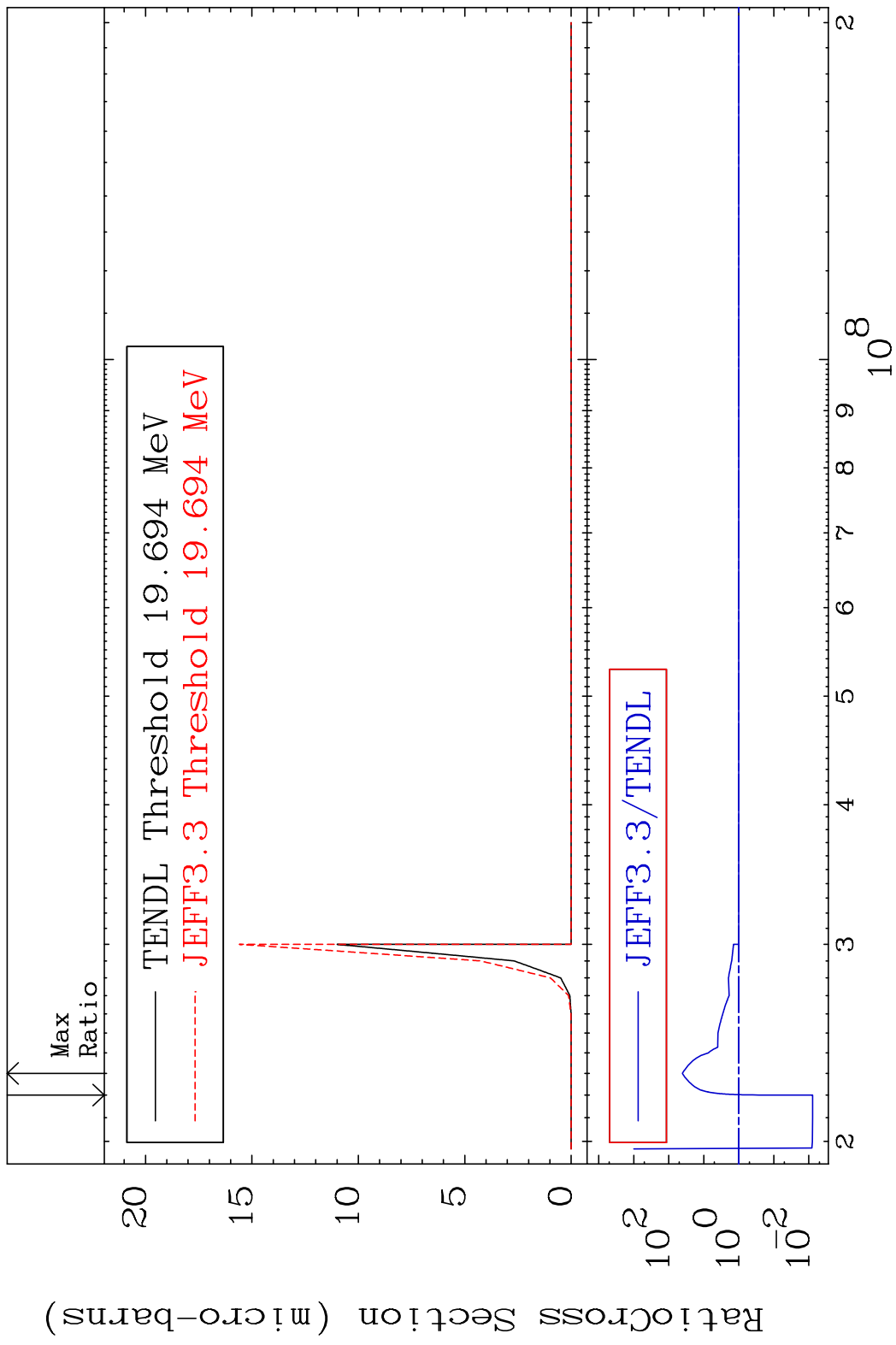
MAT 8031 Dpa inelastic (mt51-91) 80-Hg-198
 Cross Section -35.80 To 3.945 %

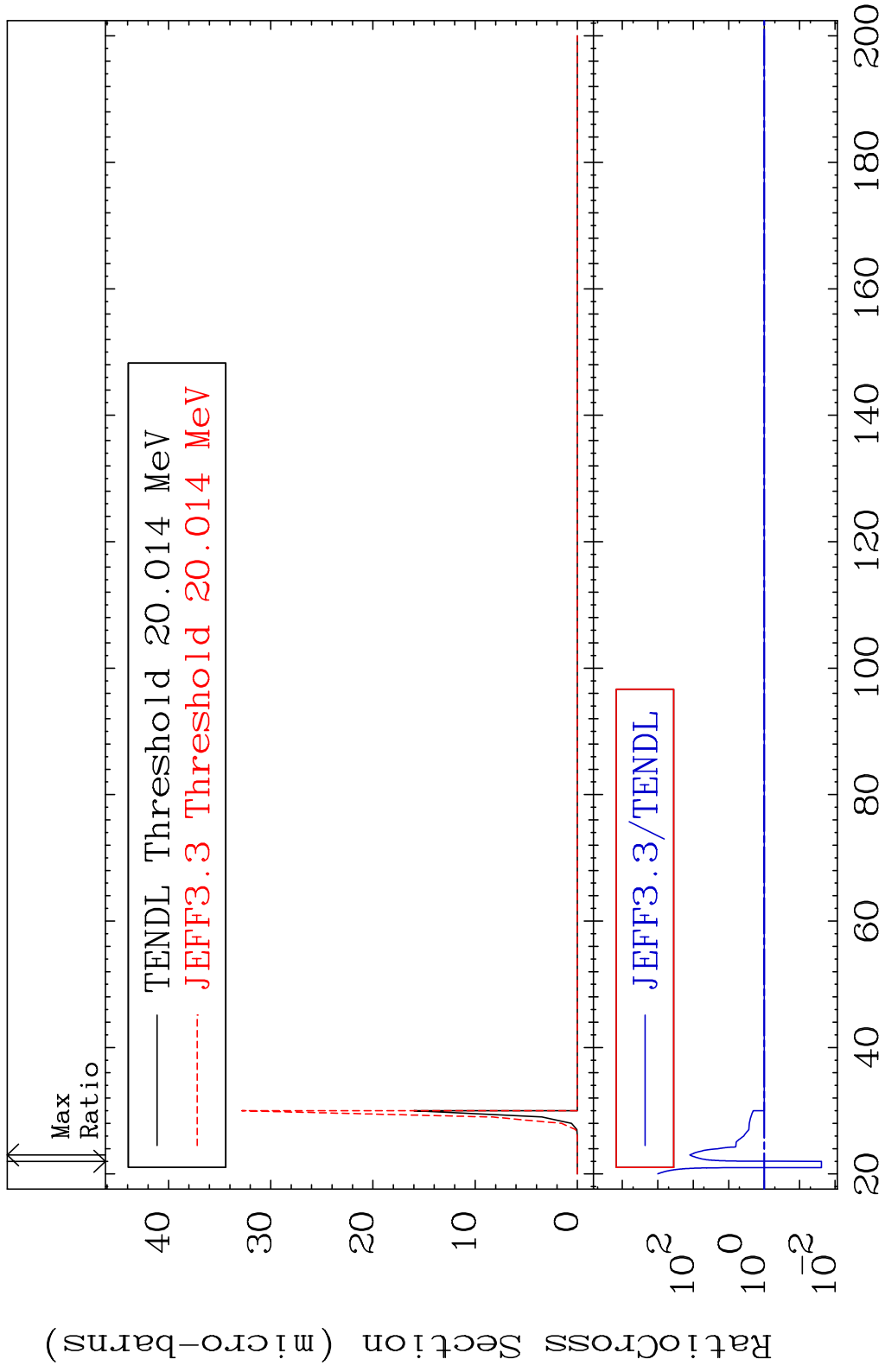


MAT 8031 Dpa disappearance (mt102 -120) 80-Hg-198
 Cross Section -99.96 To 9999. %

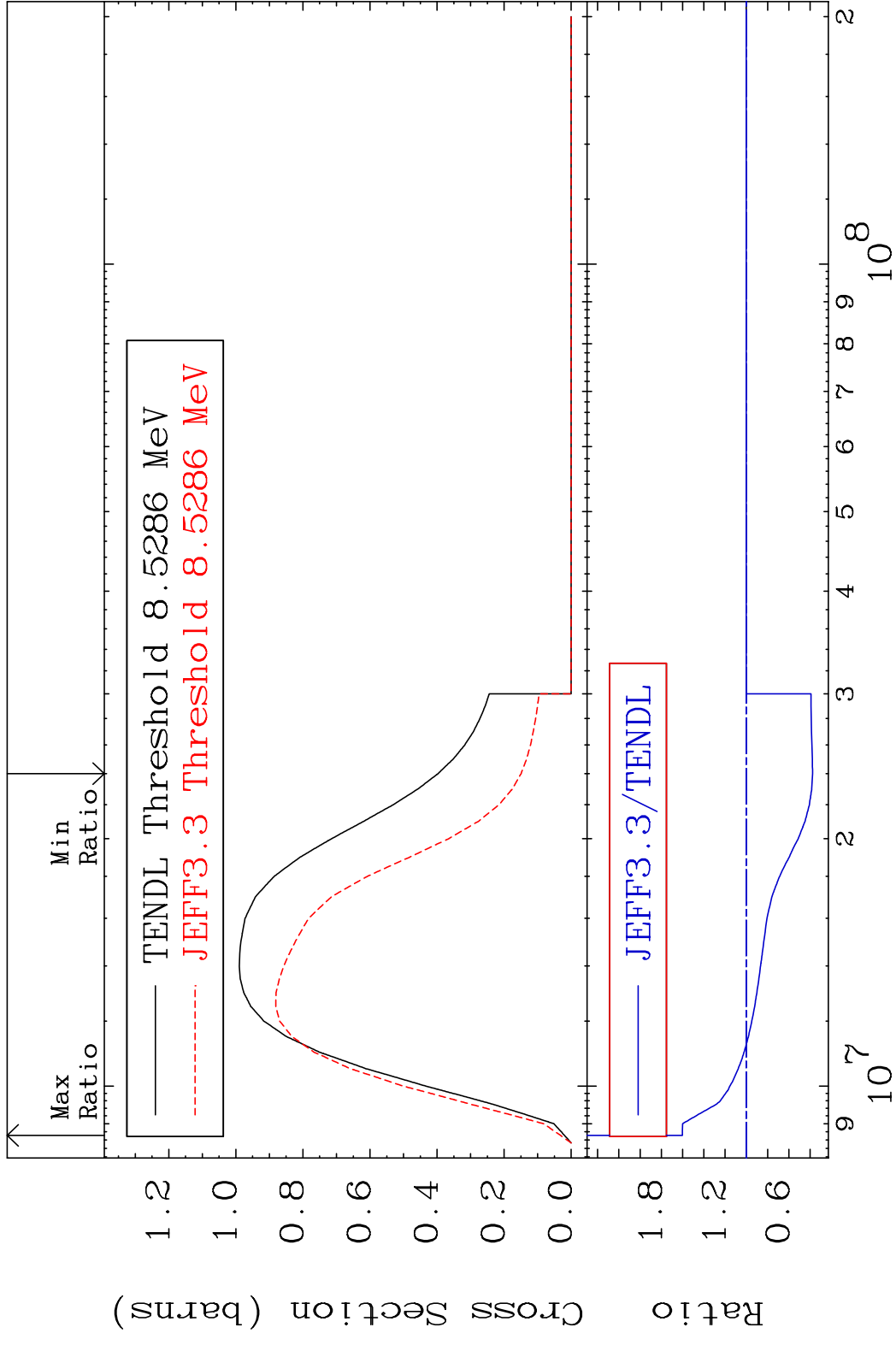


MAT 8031 (n,2n) d:79-Au-195g 80-Hg-198
 Radionuclide Production Cross Section 98.221 d to 3987. %

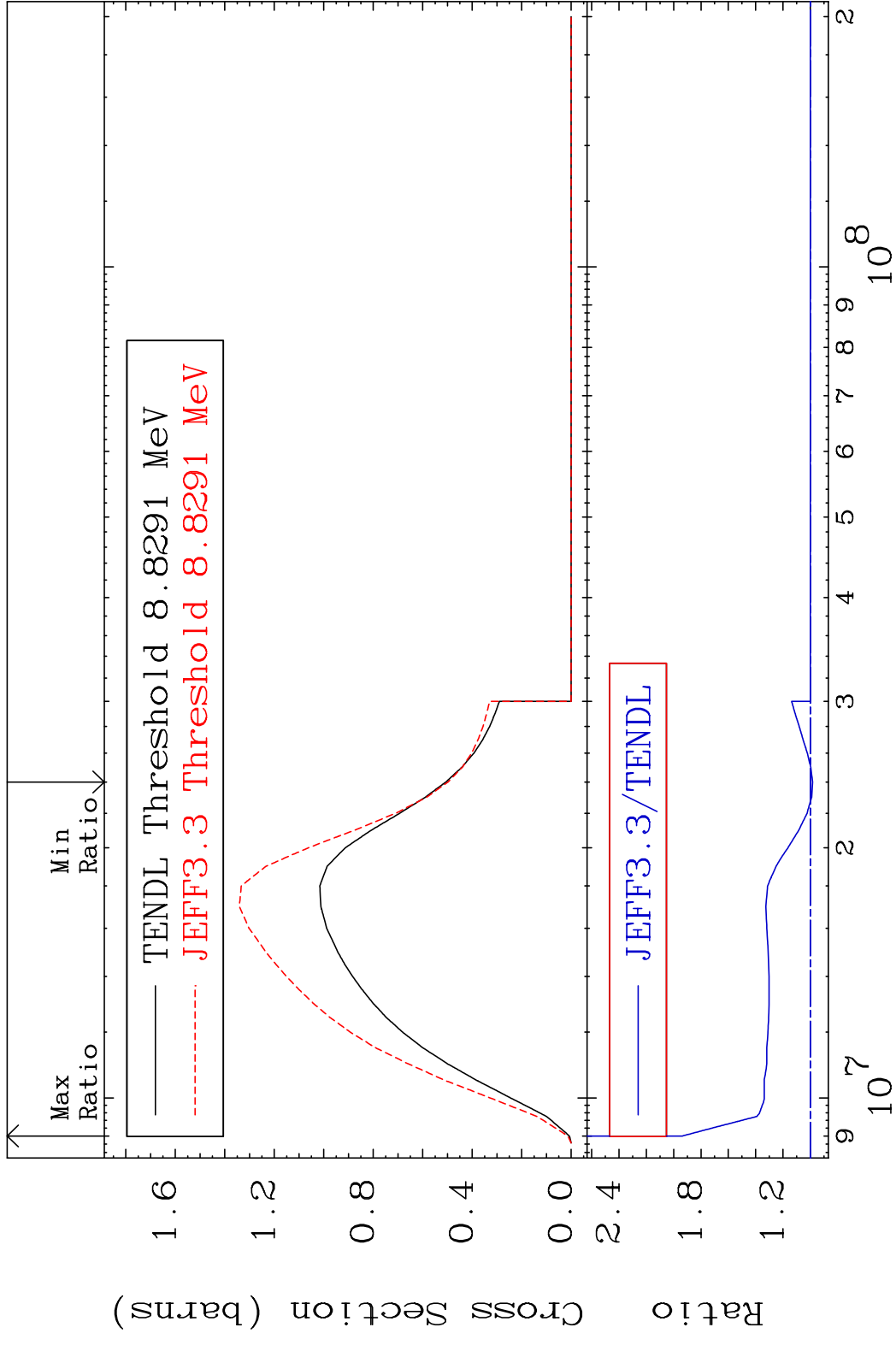




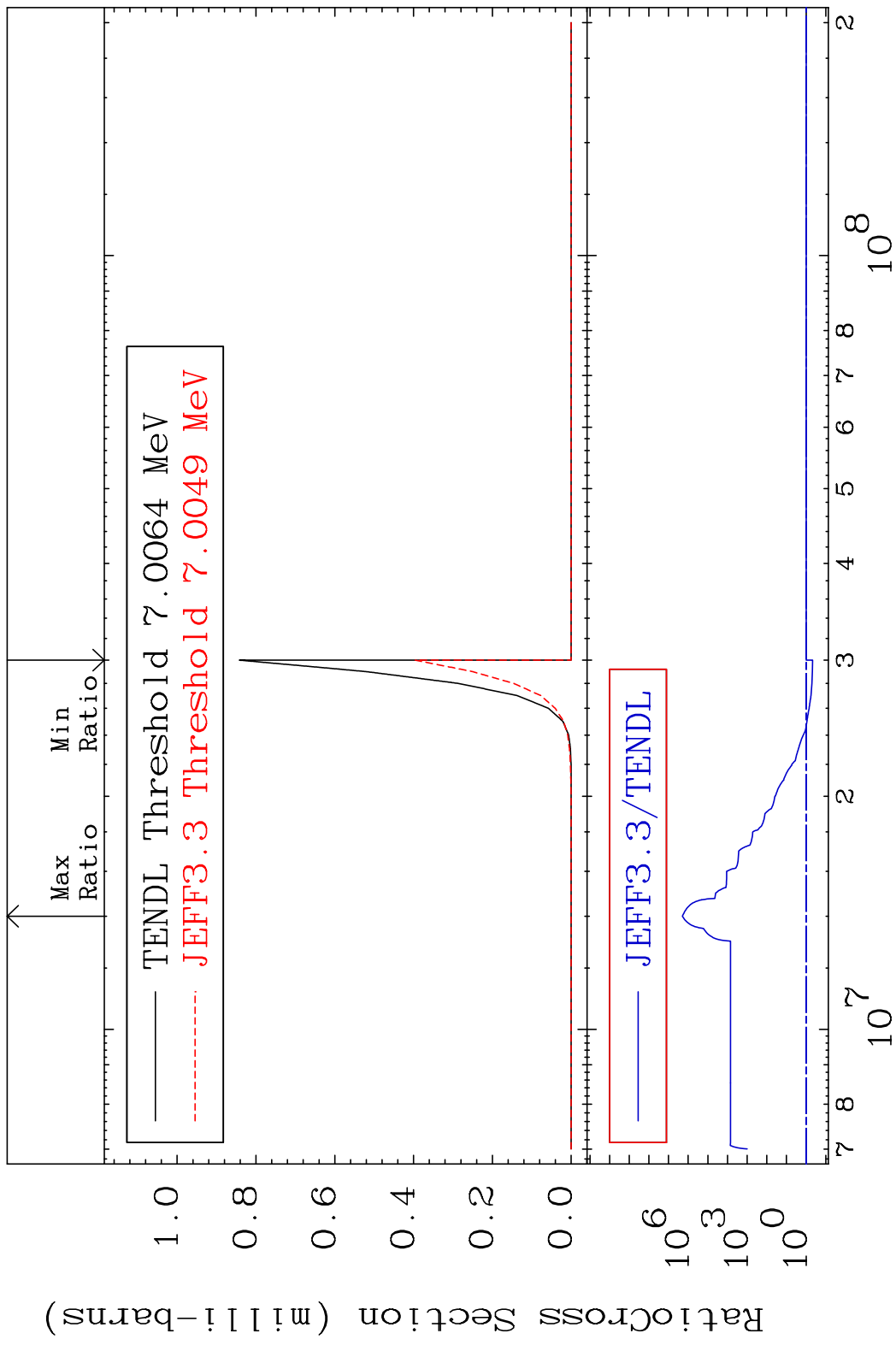
MAT 8031 (n,2n):80-Hg-197g 80-Hg-198
 Radionuclide Production Cross Section 62.361 dth 60.23 %

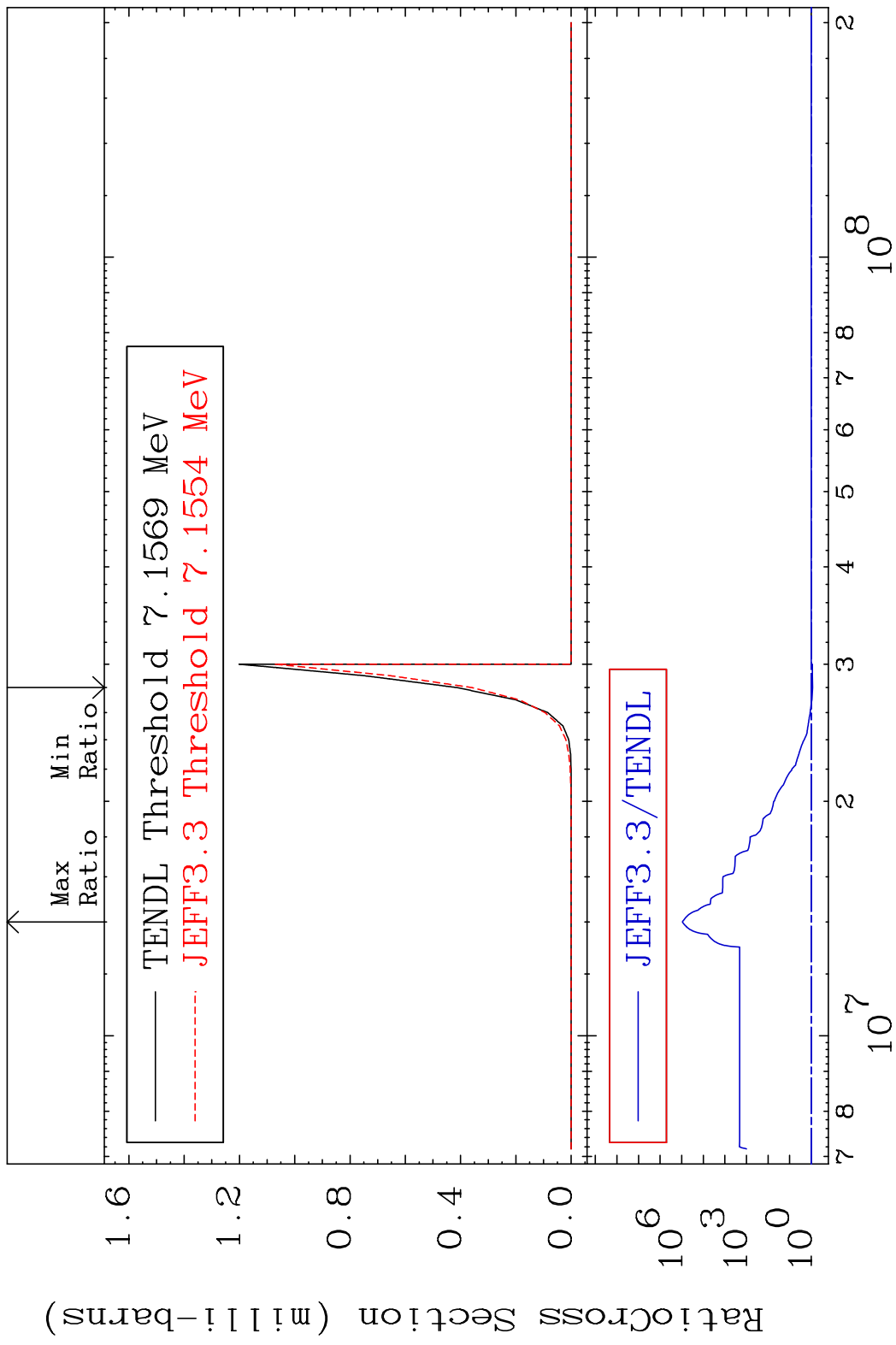


MAT 8031 (n,2n):80-Hg-197m4 80-Hg-198
 Radionuclide Production Cross Section 93.64 %

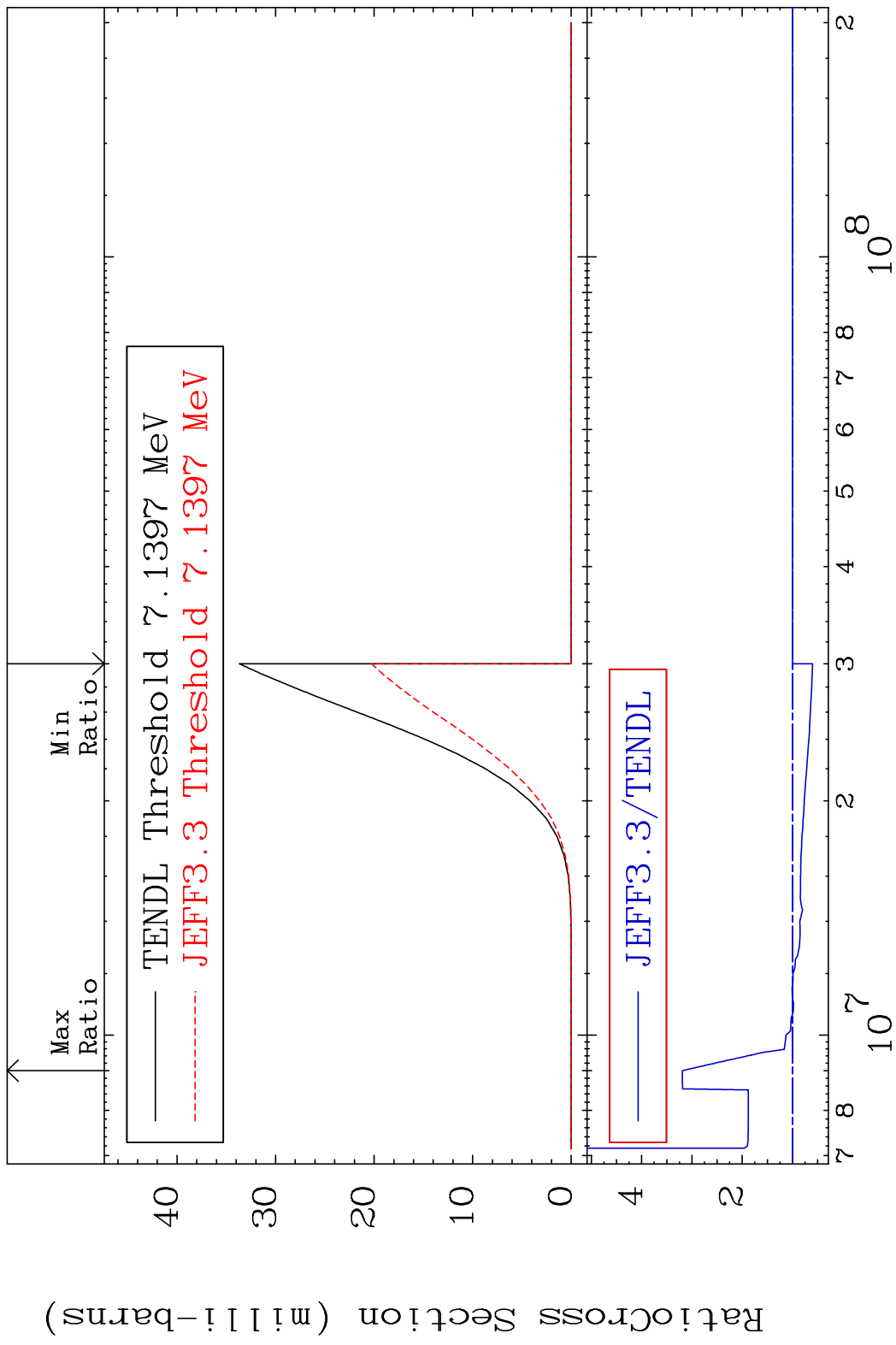


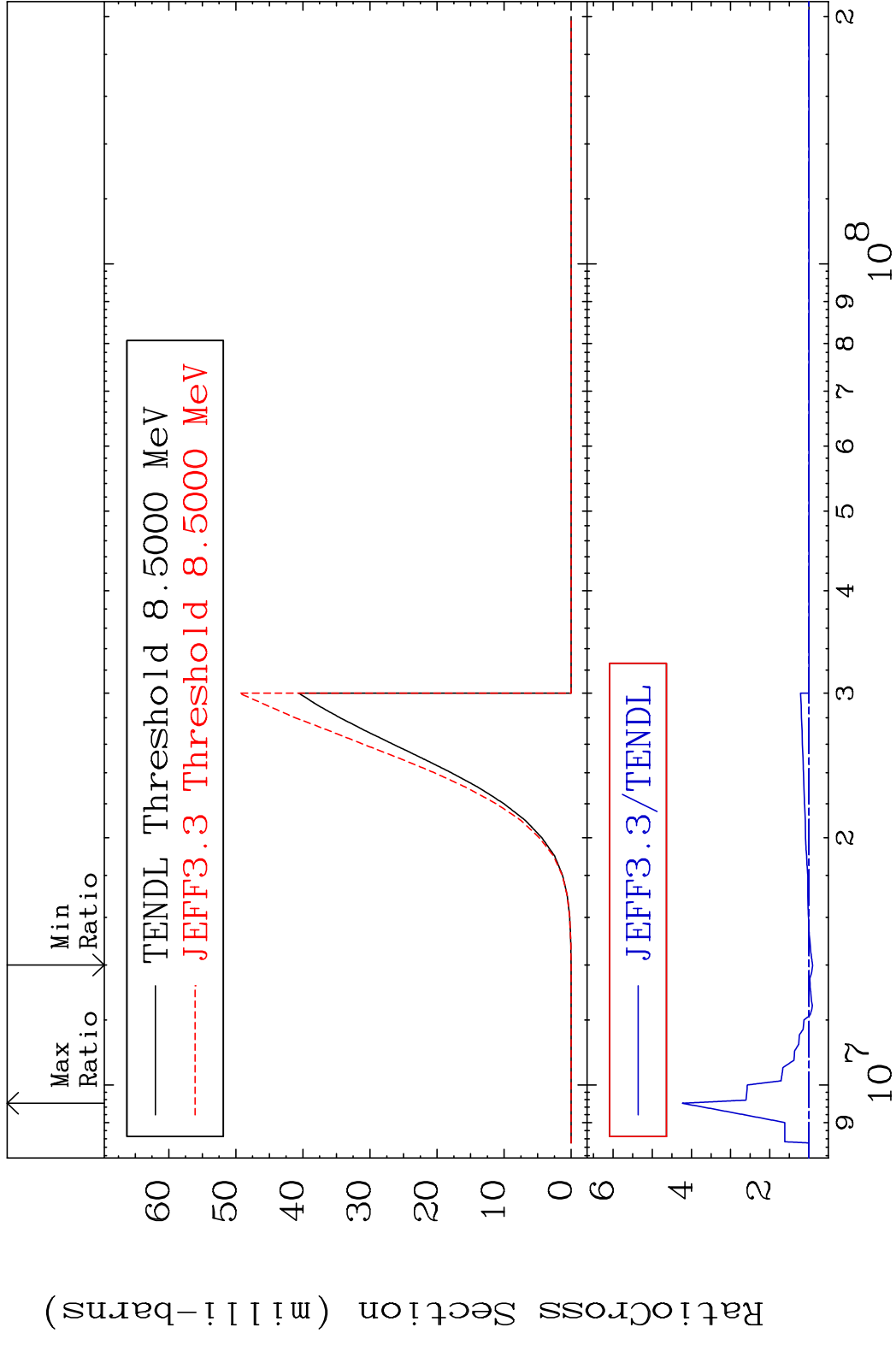
81 Incident Energy (eV) 80-Hg-198

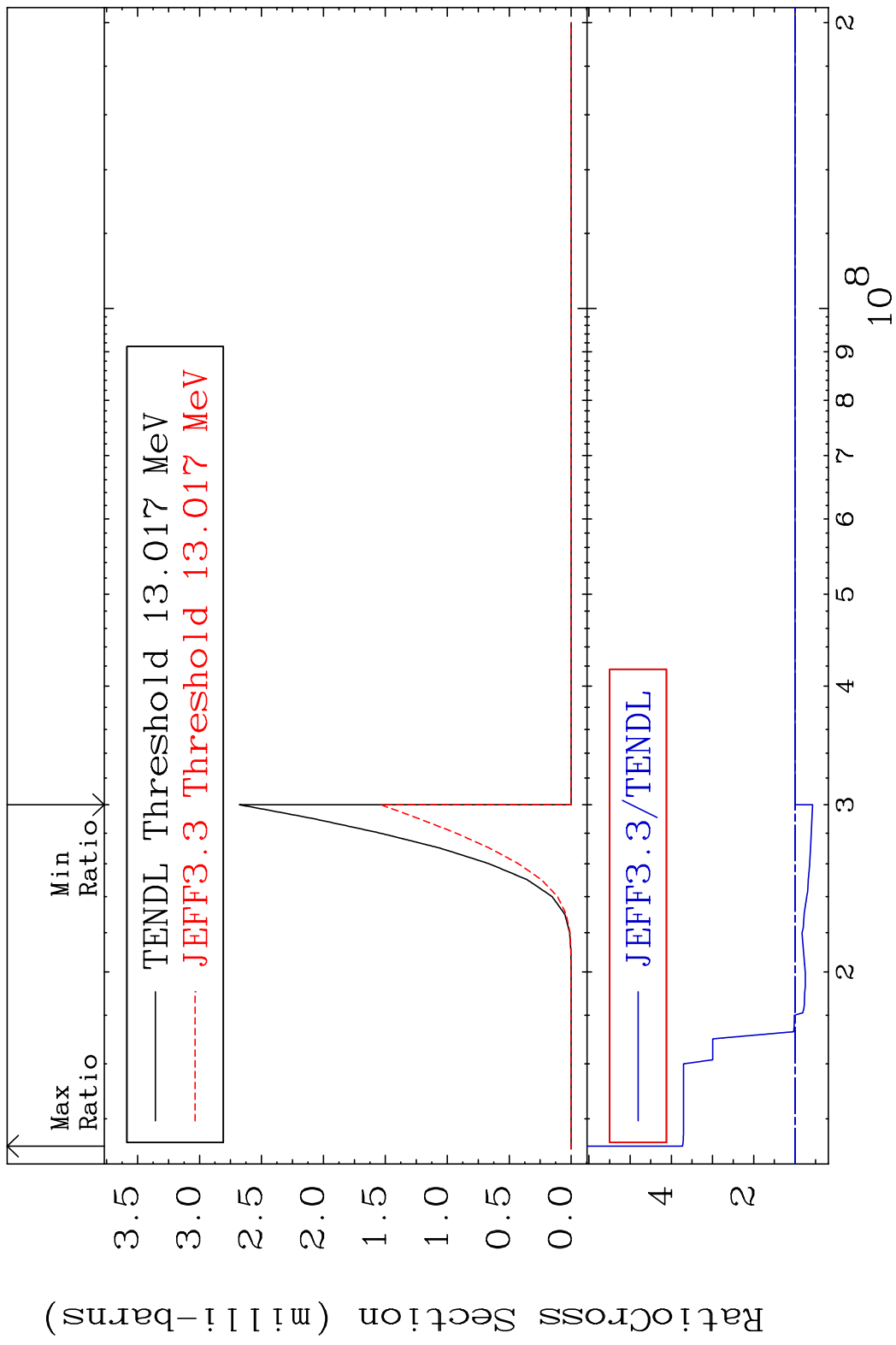


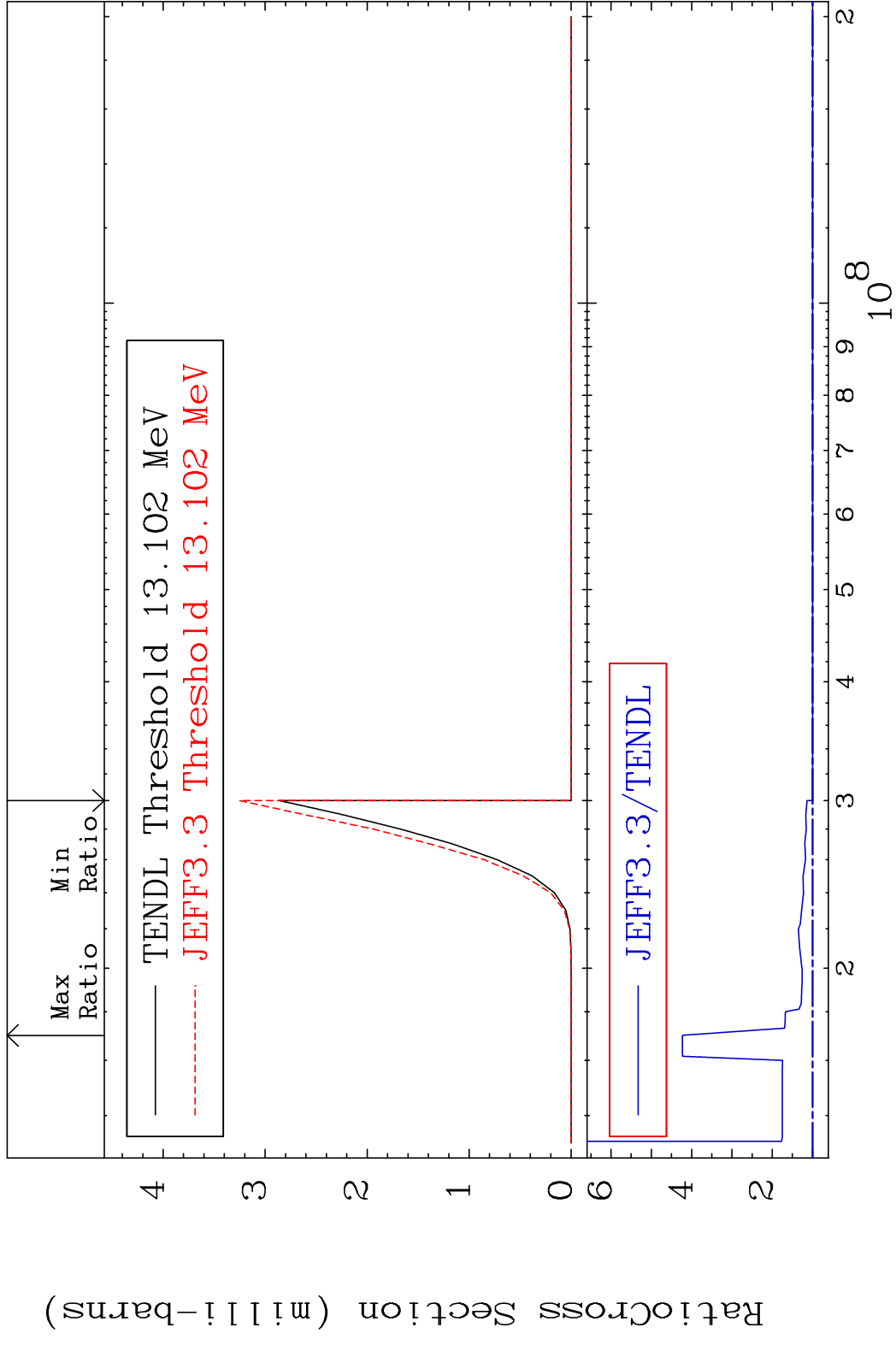


MAT 8031 (n, n') p:79-Au-197g 80-Hg-198
 Radionuclide Production Cross Section 39.661 to 219.0 %

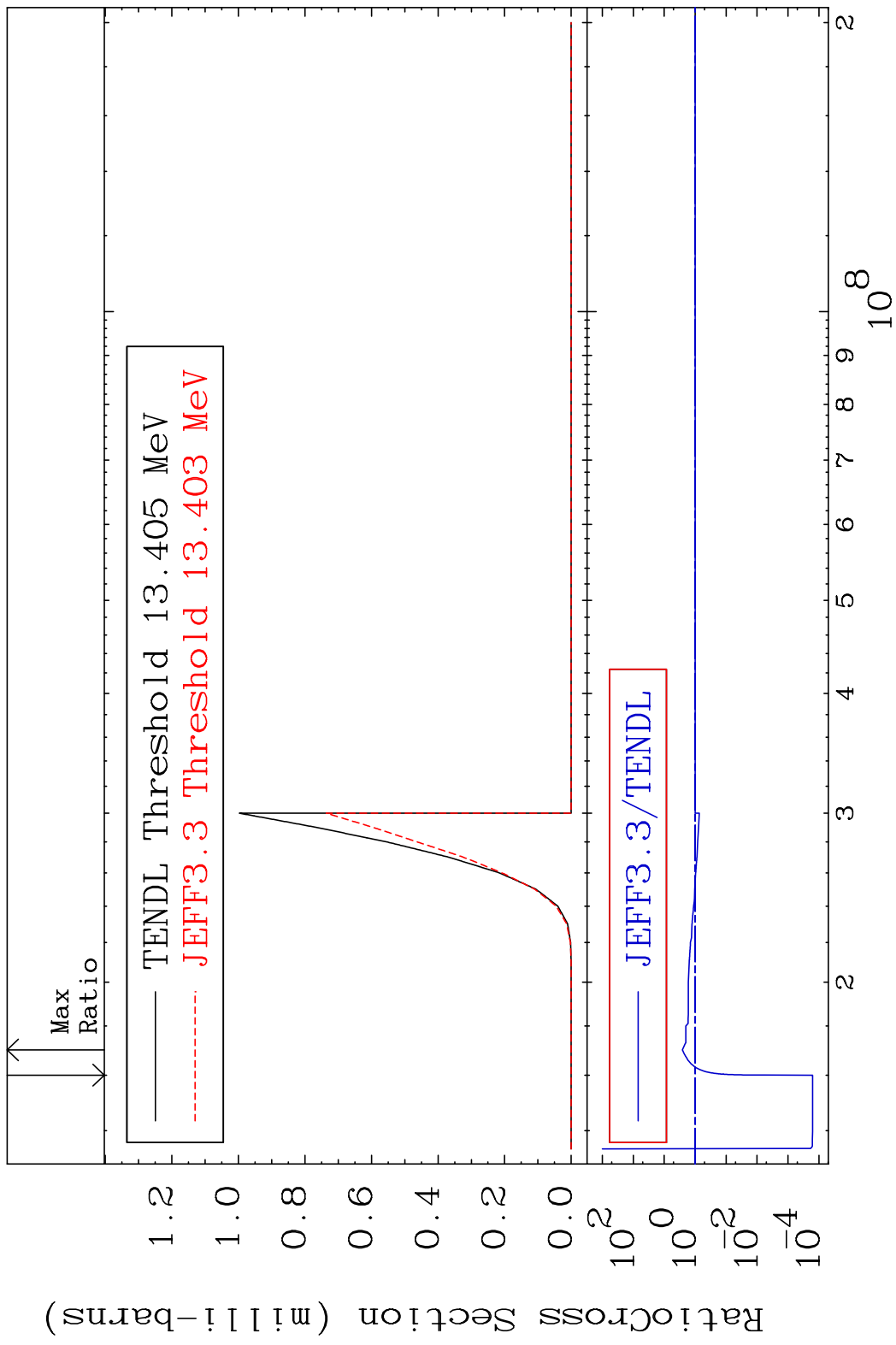


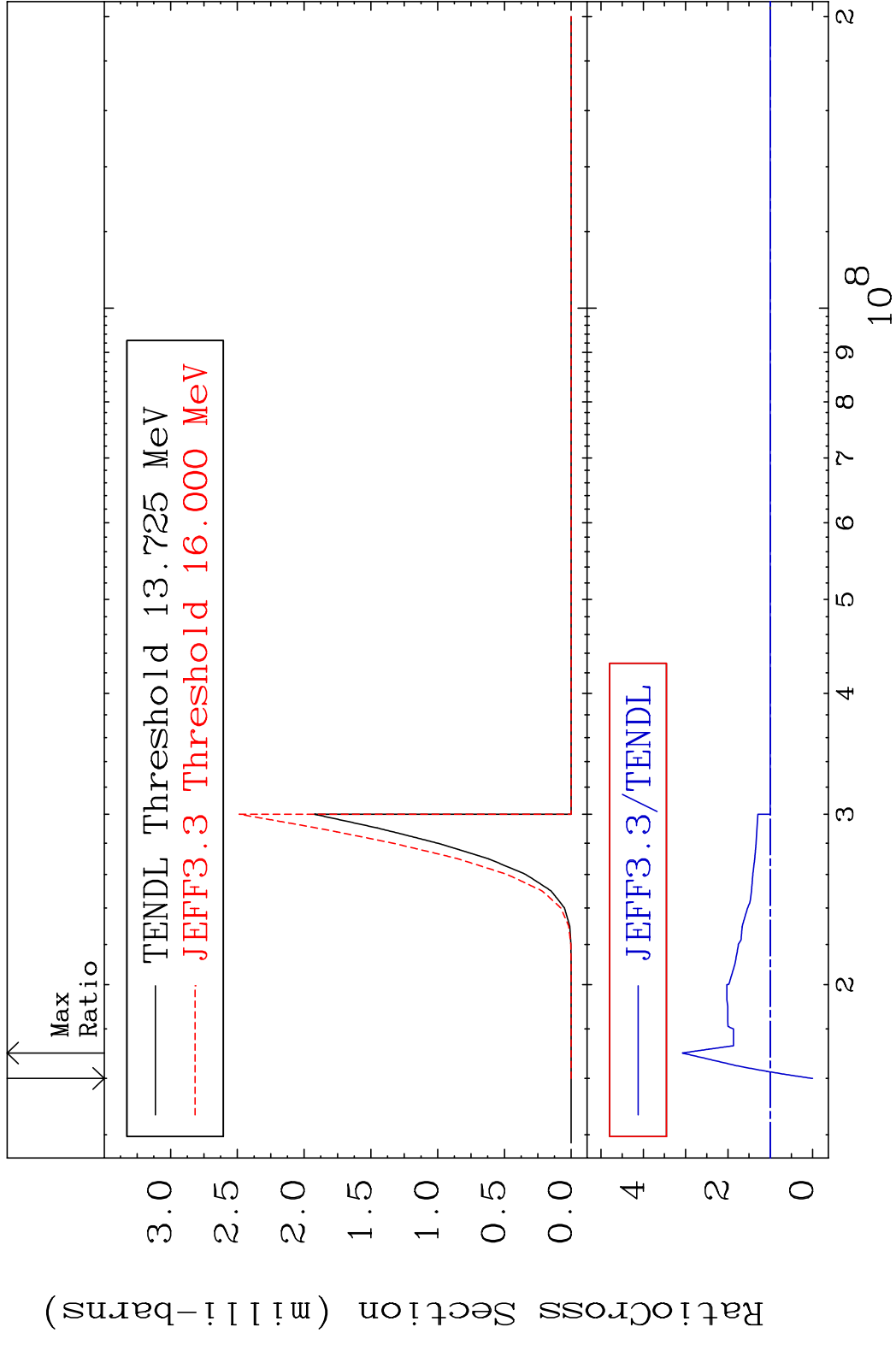




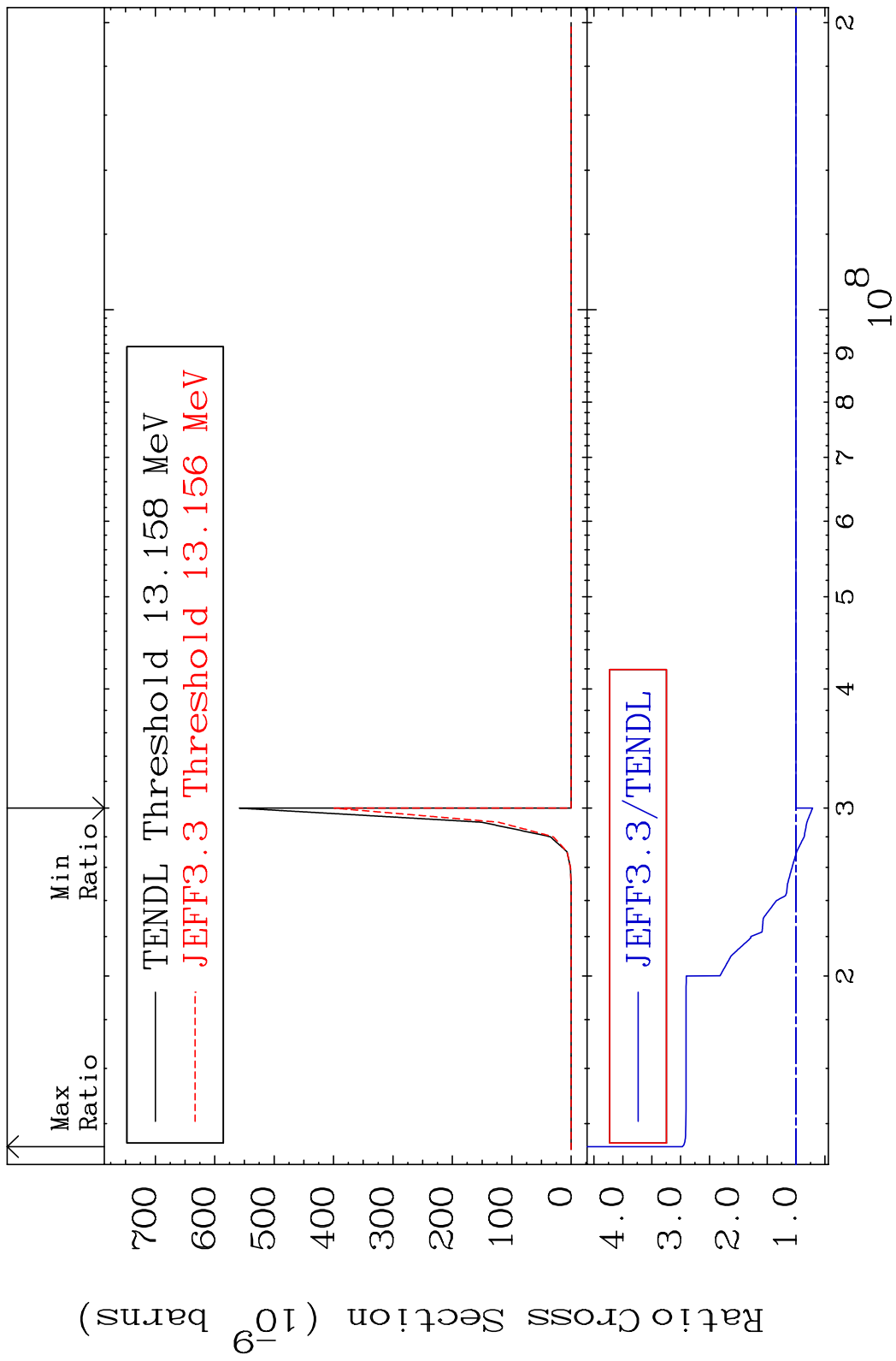


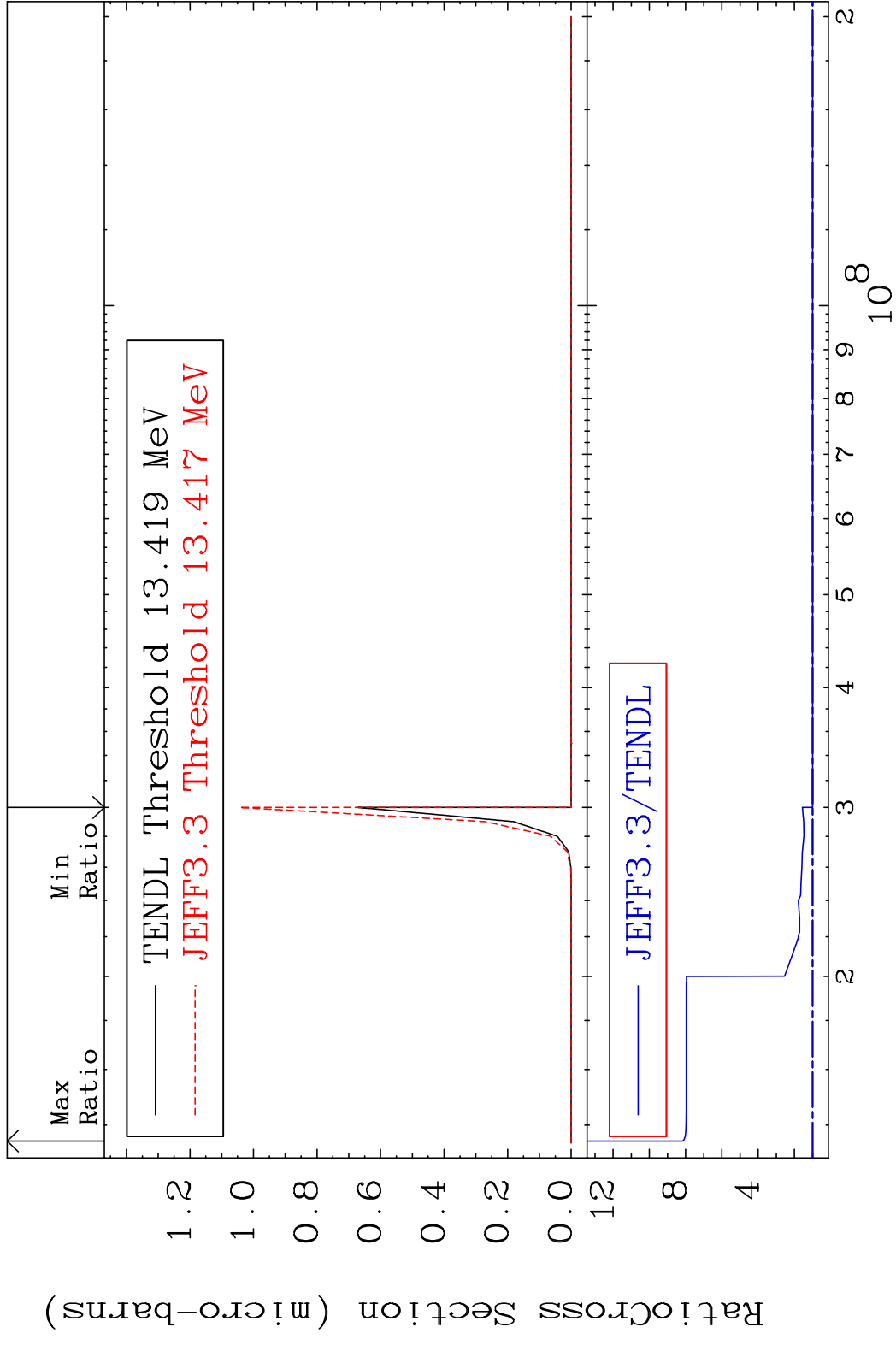
MAT 8031 (n, n') t:79-Au-195g 80-Hg-198
 Radionuclide Production Cross Section 98.981 d/o 159.9 %



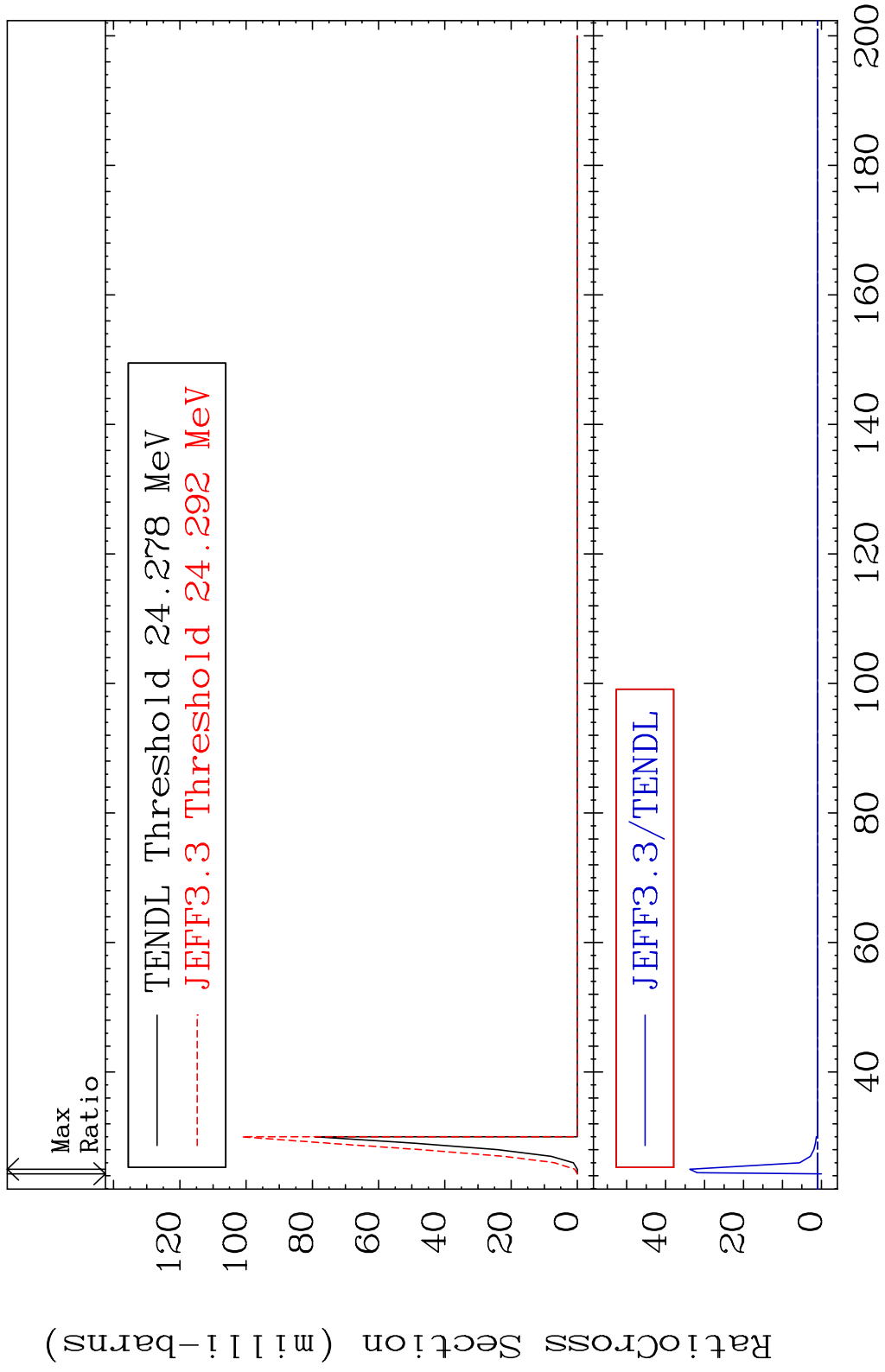


MAT 8031 (n, n') He-3:78-Pt-195g 80-Hg-198
 Radionuclide Production Cross Section 197.0 %

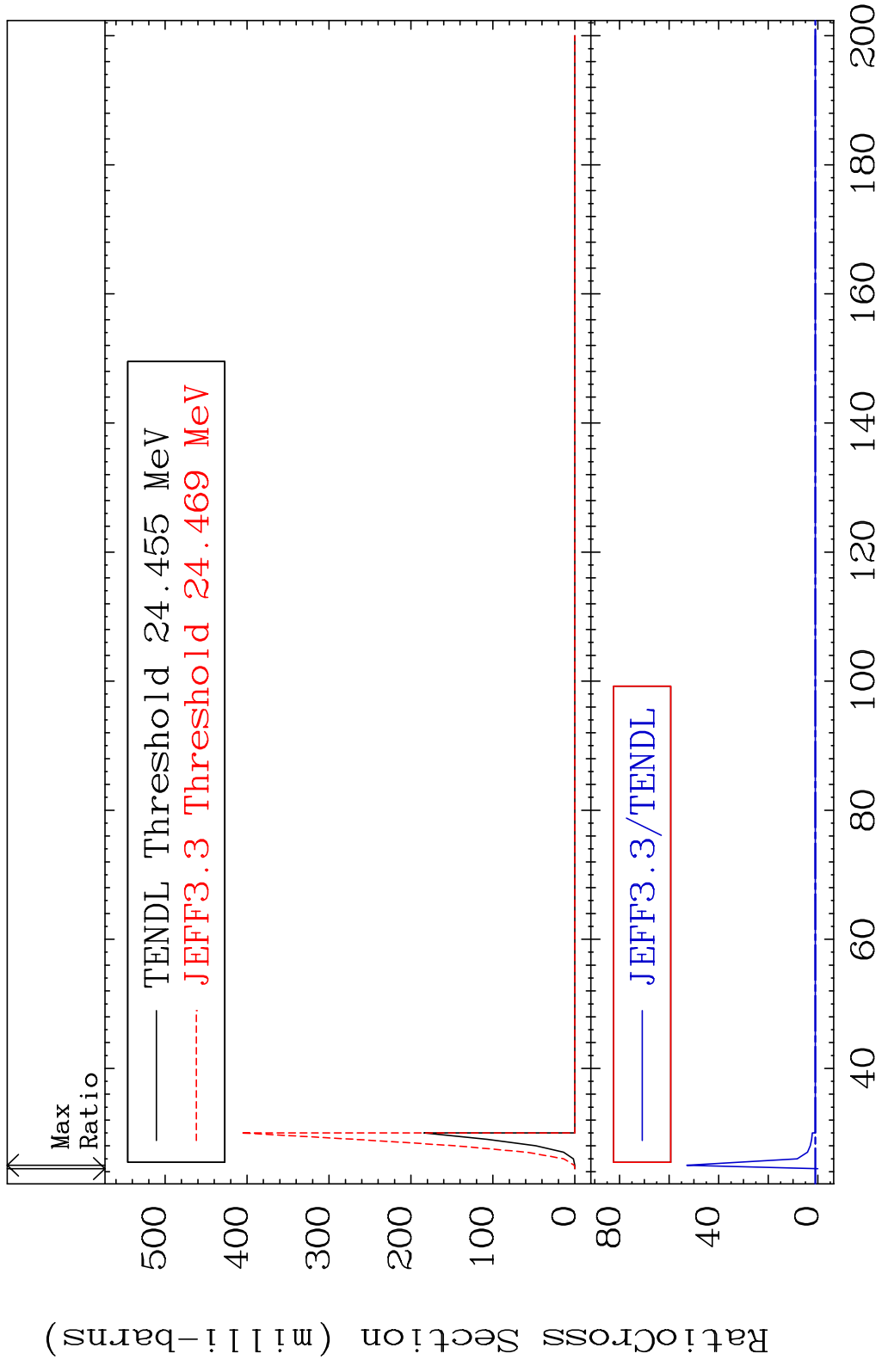


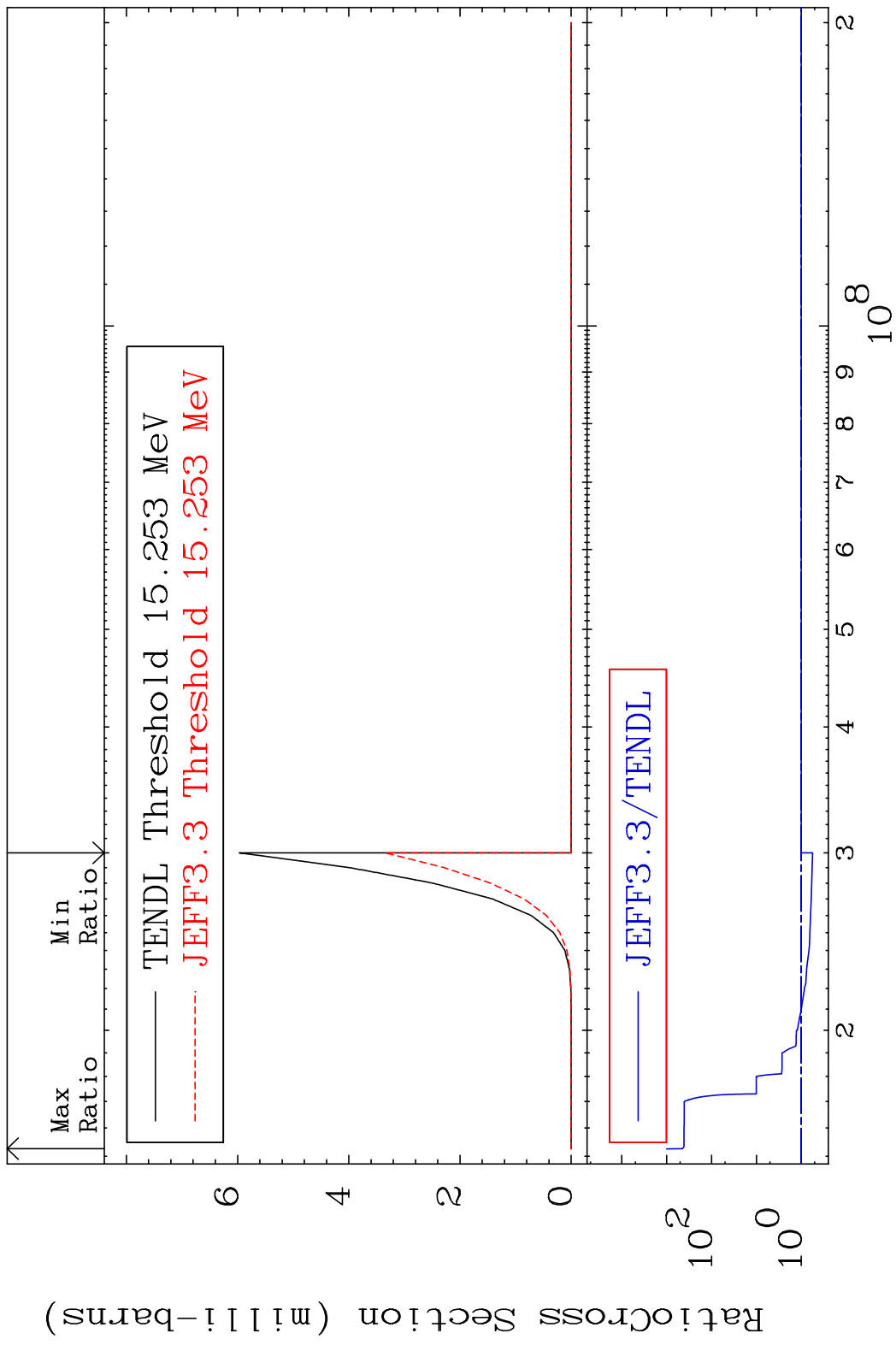


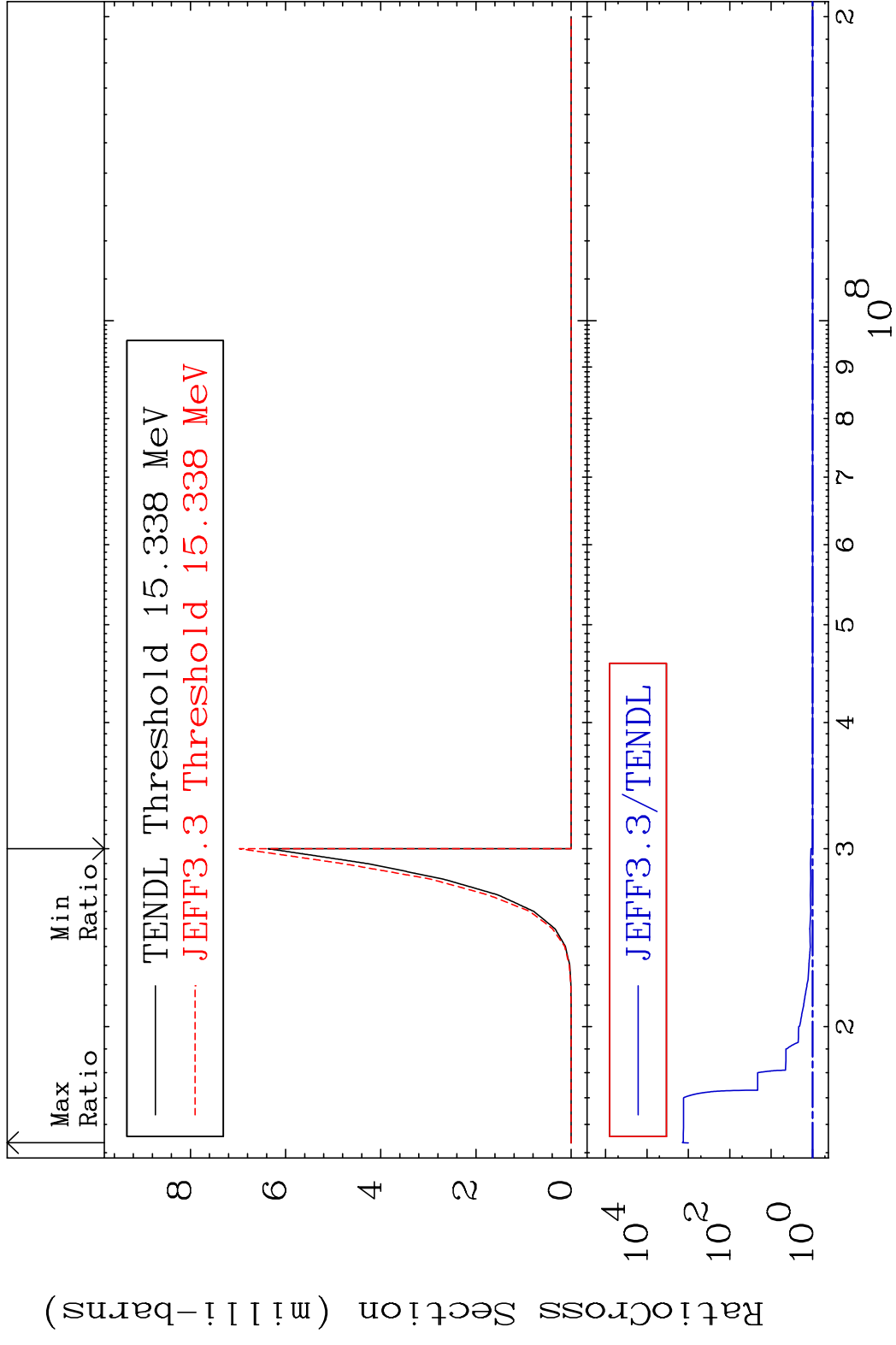
MAT 8031 (n,4n):80-Hg-195g 80-Hg-198
 Radionuclide Production Cross Section Ratio 3280. %

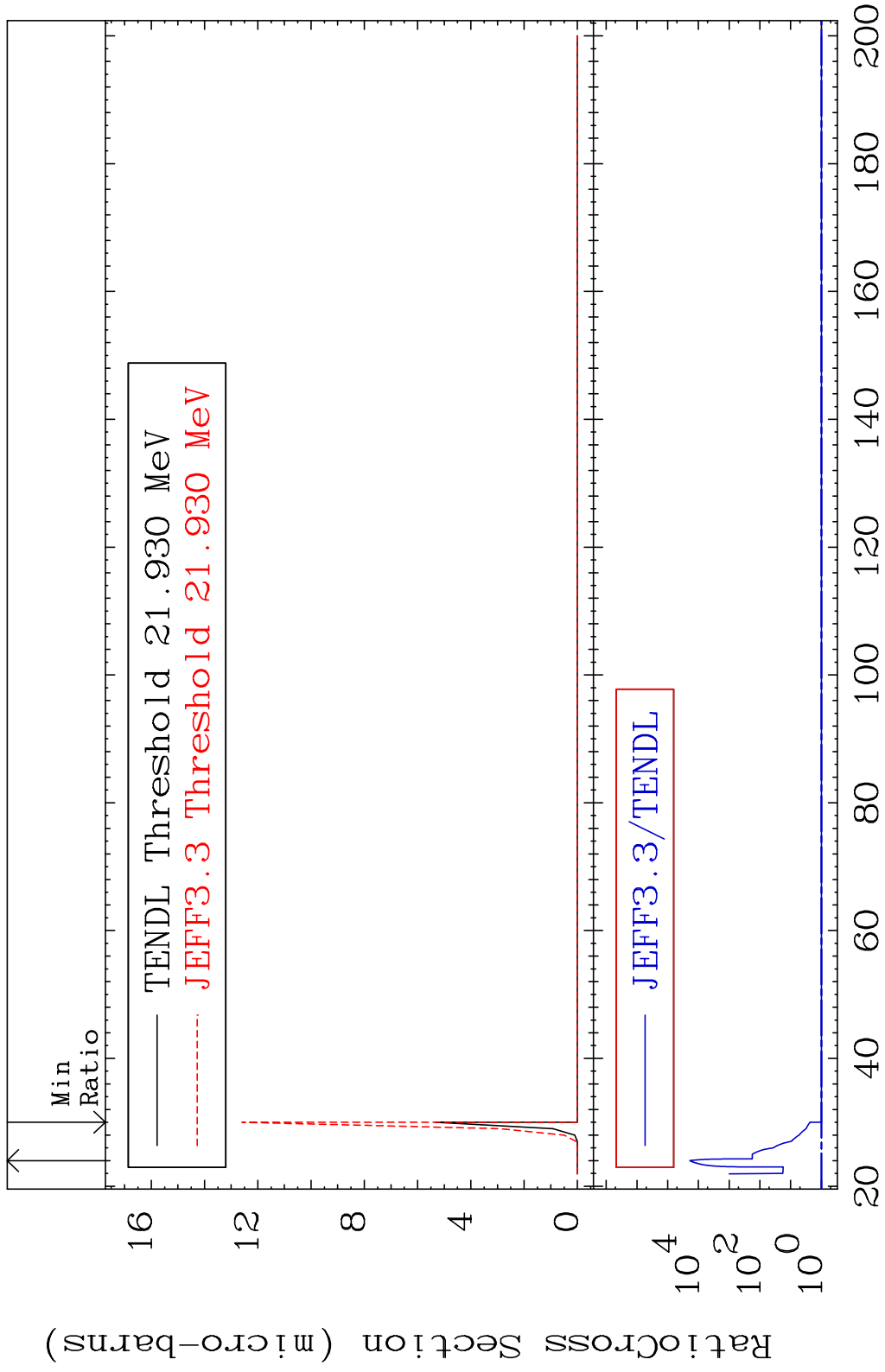


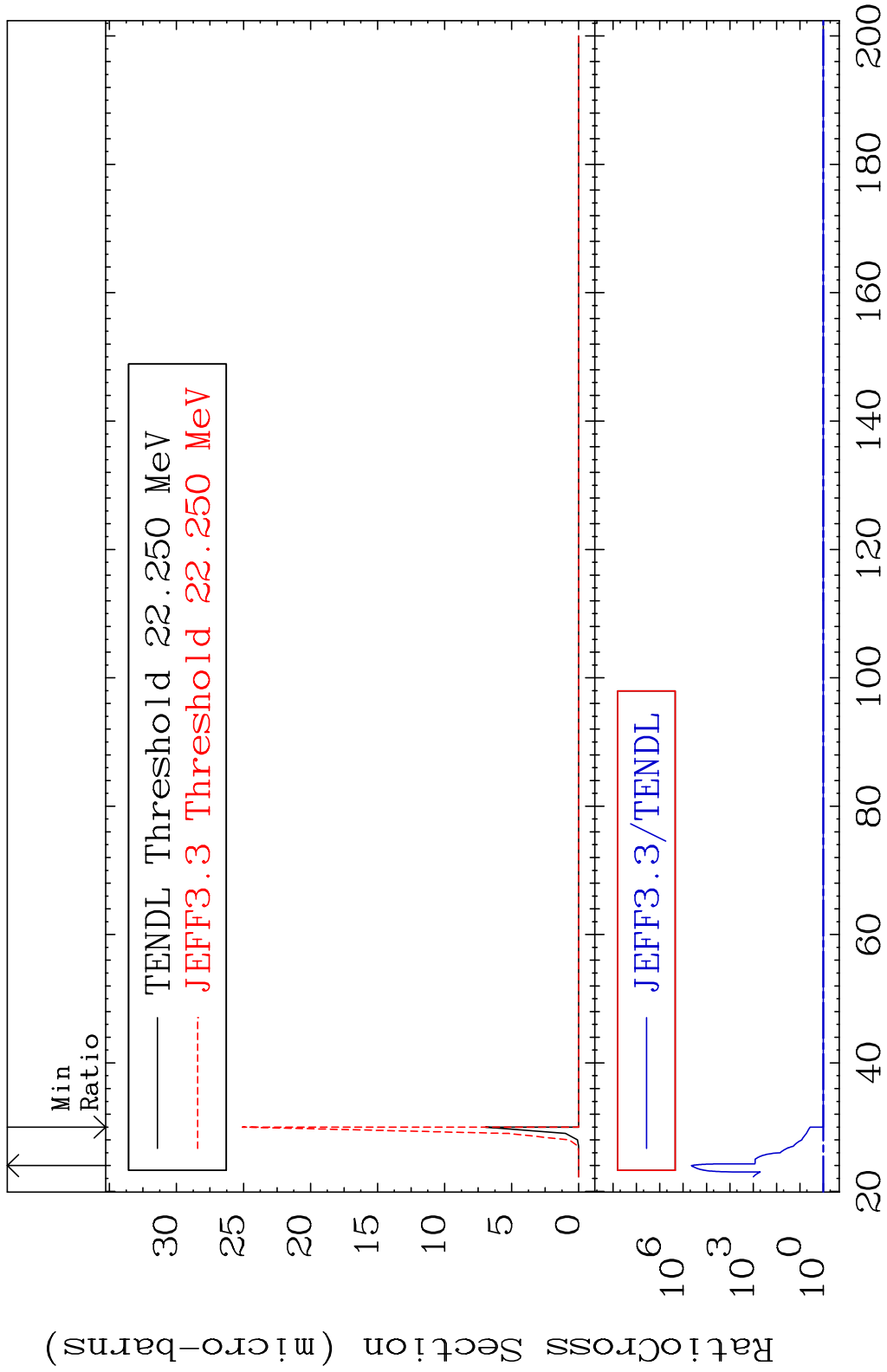
MAT 8031 (n, 4n):80-Hg-195m3 80-Hg-198
 Radionuclide Production Cross Section Ratio 5190. %

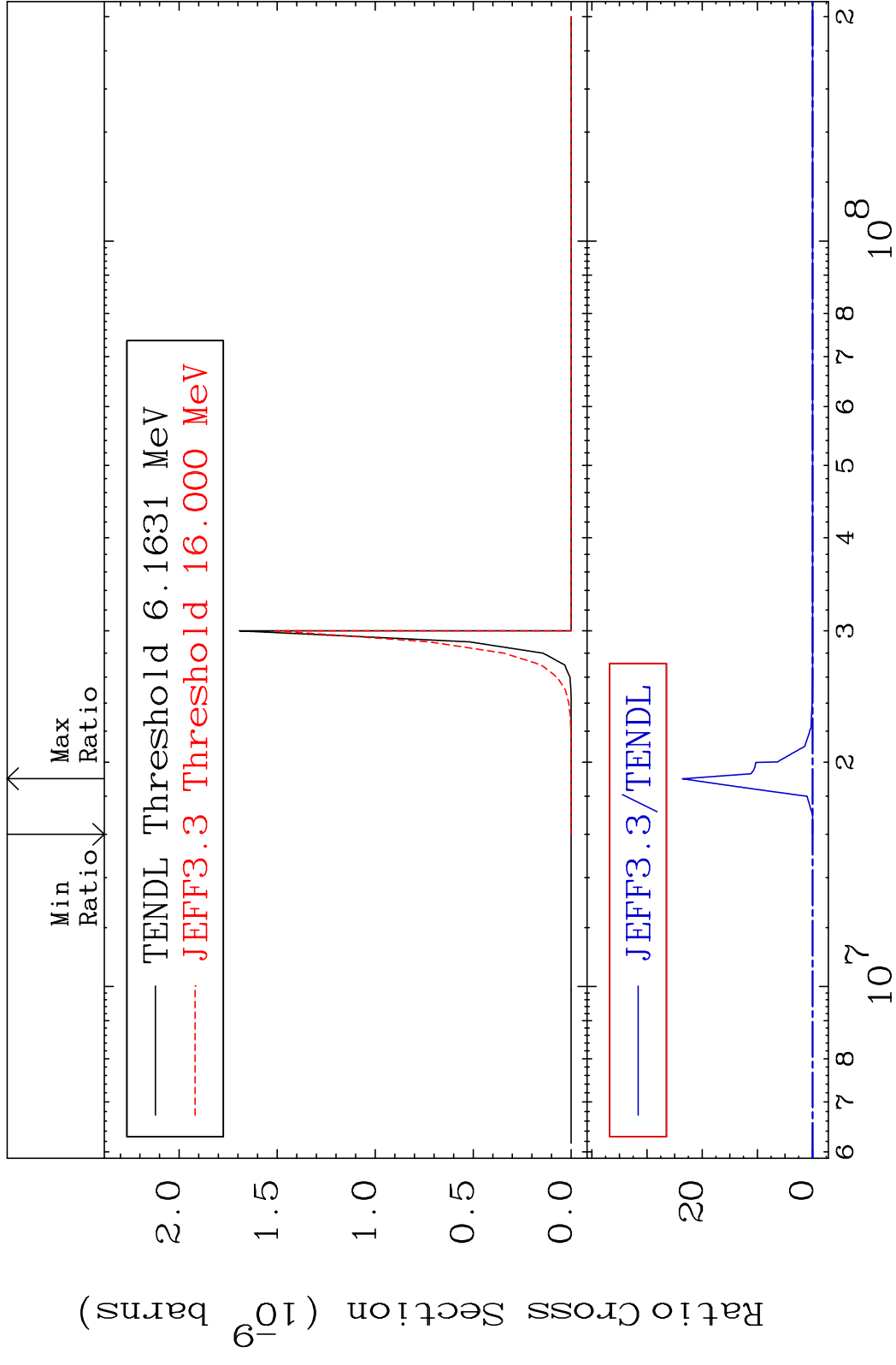


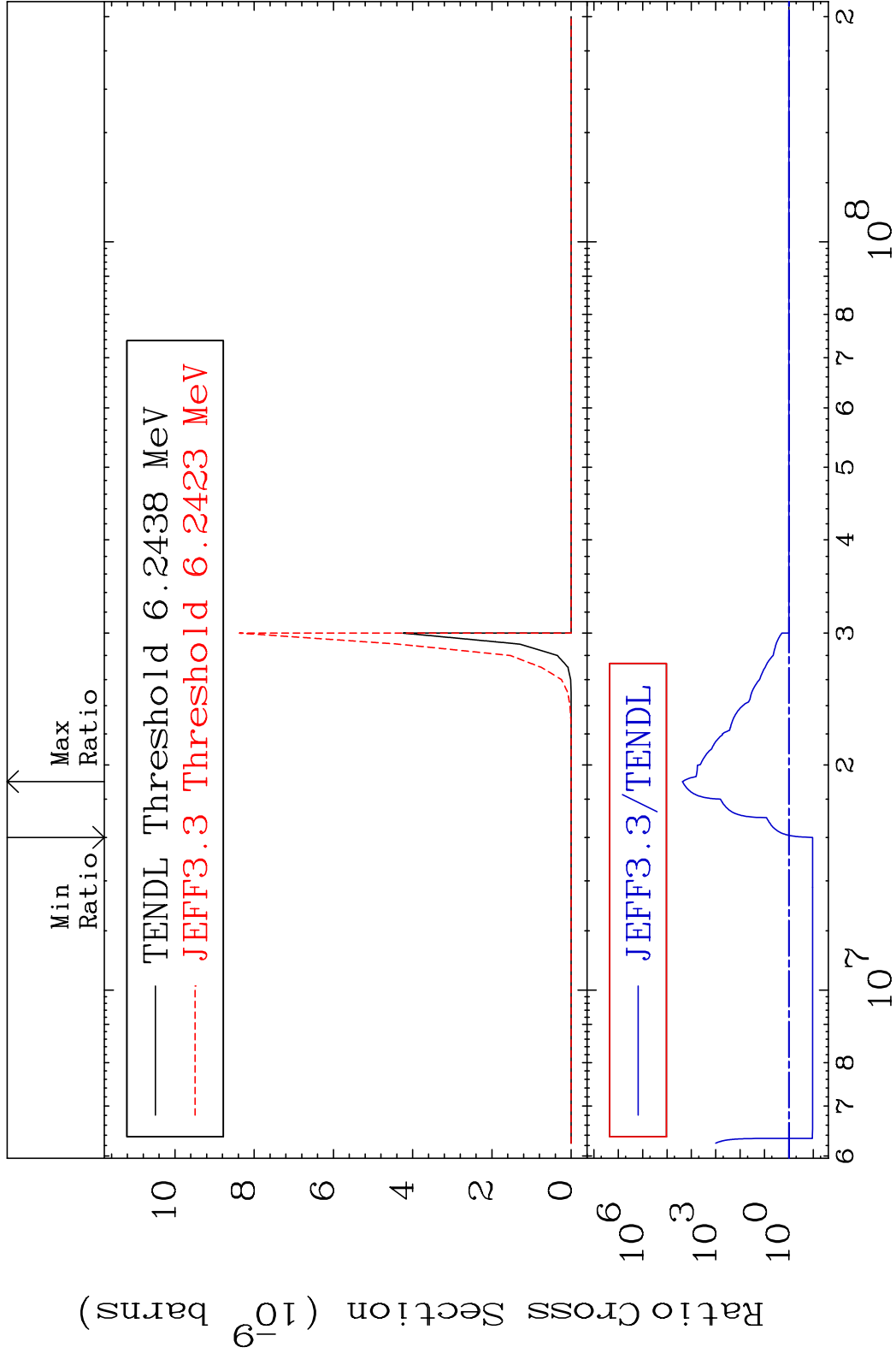




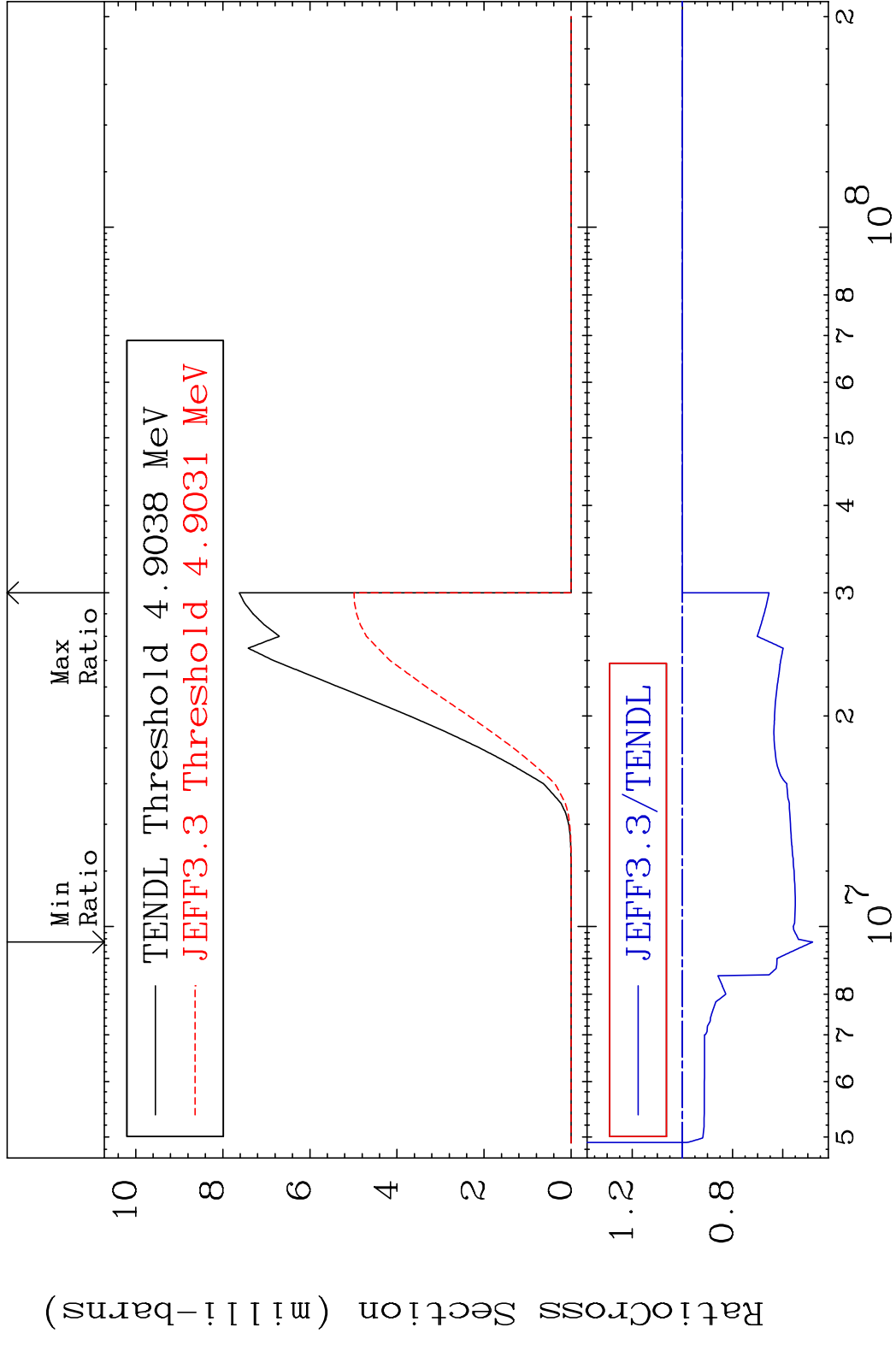






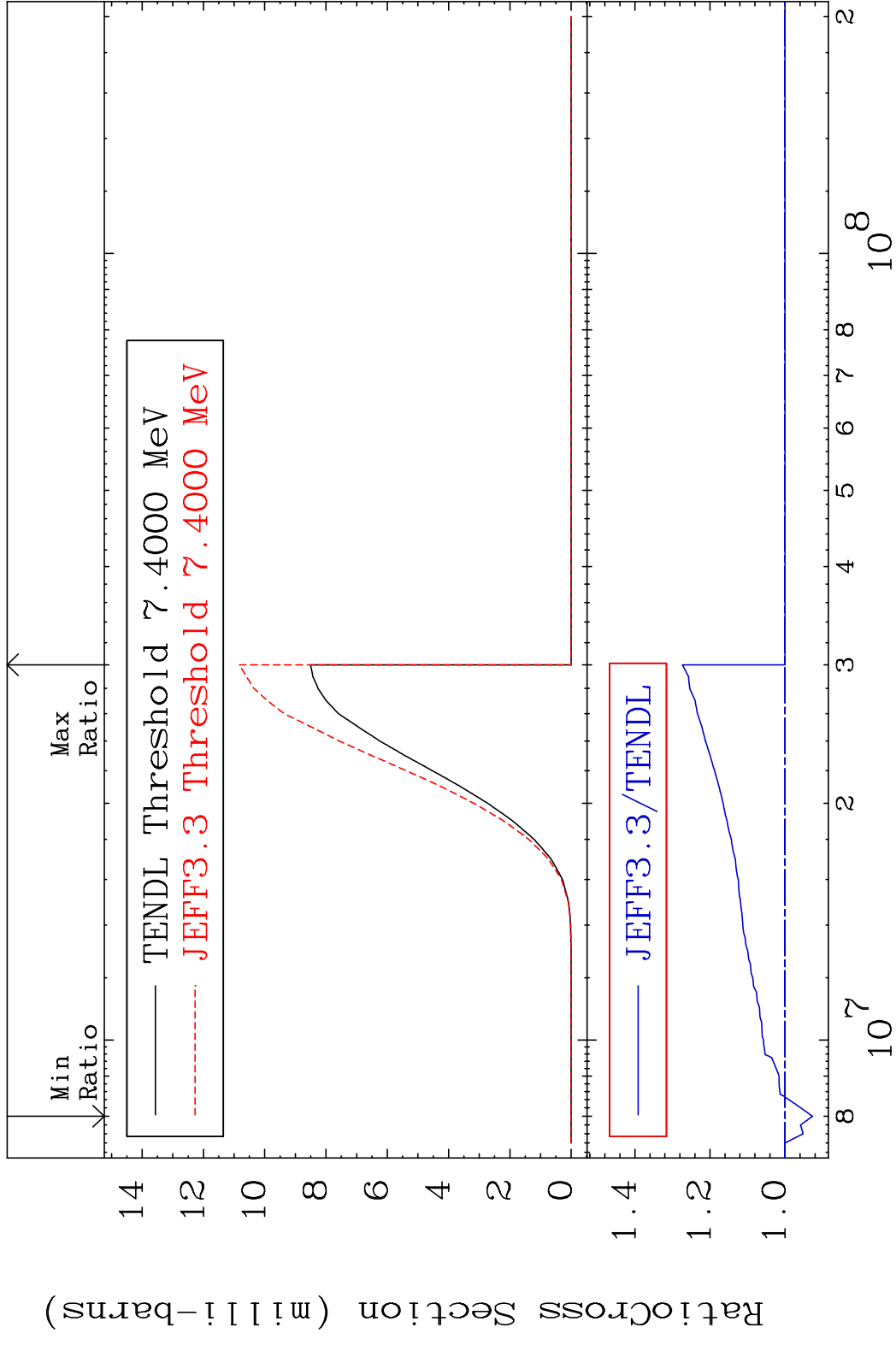


MAT 8031 (n, d) : 79-Au-197g 80-Hg-198
 Radionuclide Production Cross Section 0.000 %



100 Incident Energy (eV) 80-Hg-198

MAT 8031 (n, d): 79-Au-197m4 80-Hg-198
 Radionuclide Production Cross Section 27.35 %



101 80-Hg-198

MAT 8031 (n, t): 79-Au-196g 80-Hg-198
 Radionuclide Production Cross Section 0.000 %

