

Program Complot  
(Version 2021-1)

by

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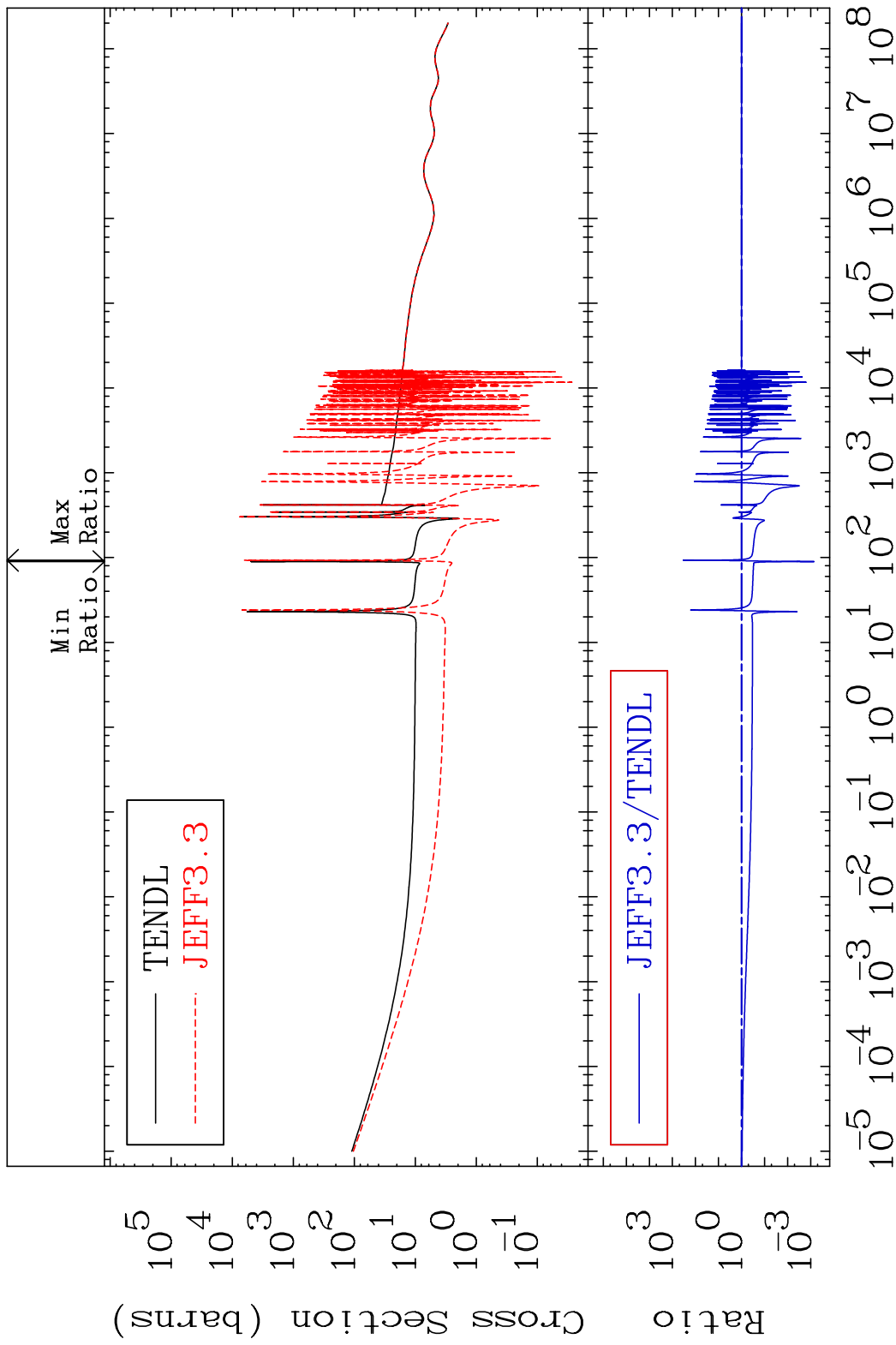
U.S.A.

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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

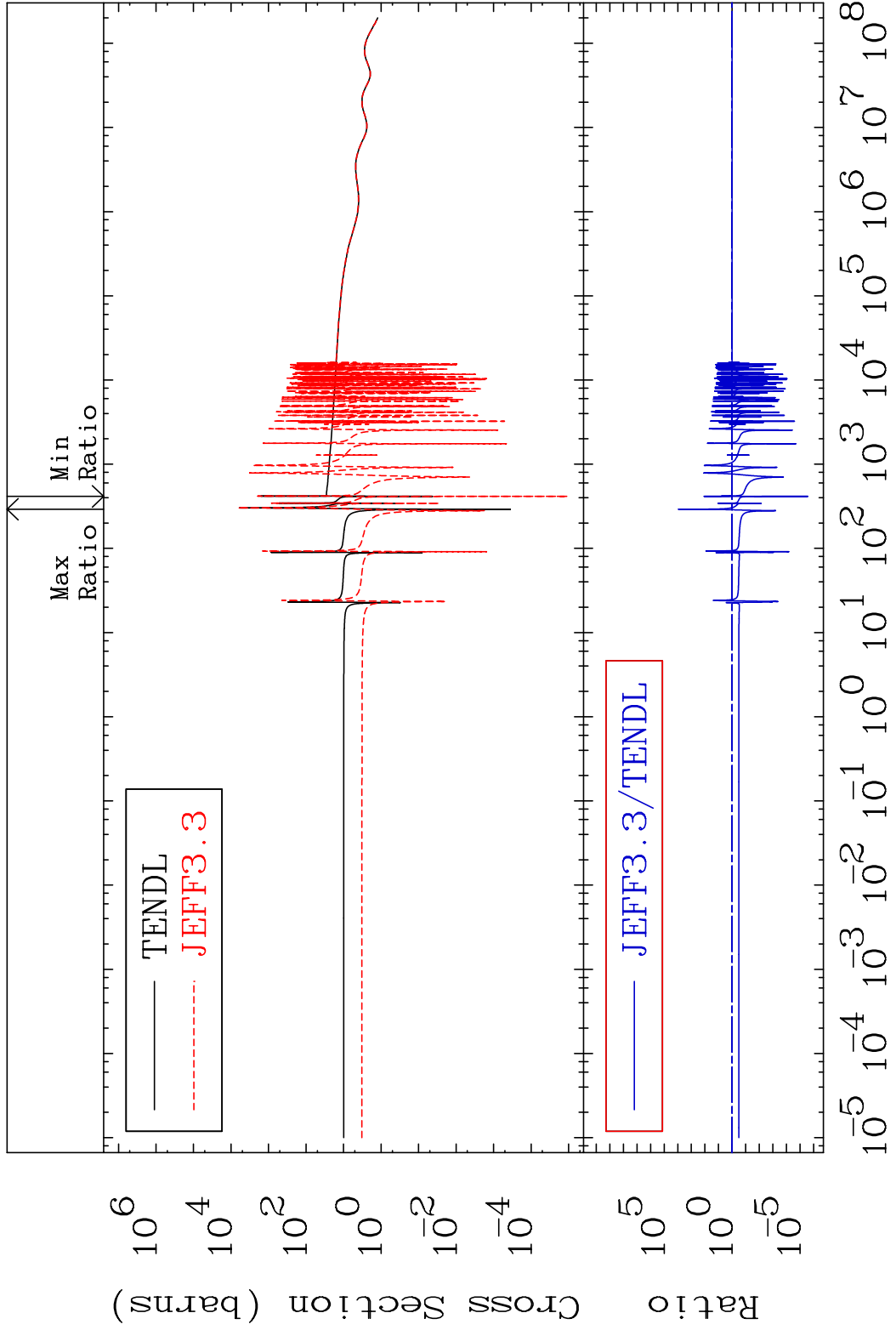
Press Mouse Button to Start

MAT 8031                      Total                      80-Hg-198  
 Cross Section                      -99.93 To 9999. %



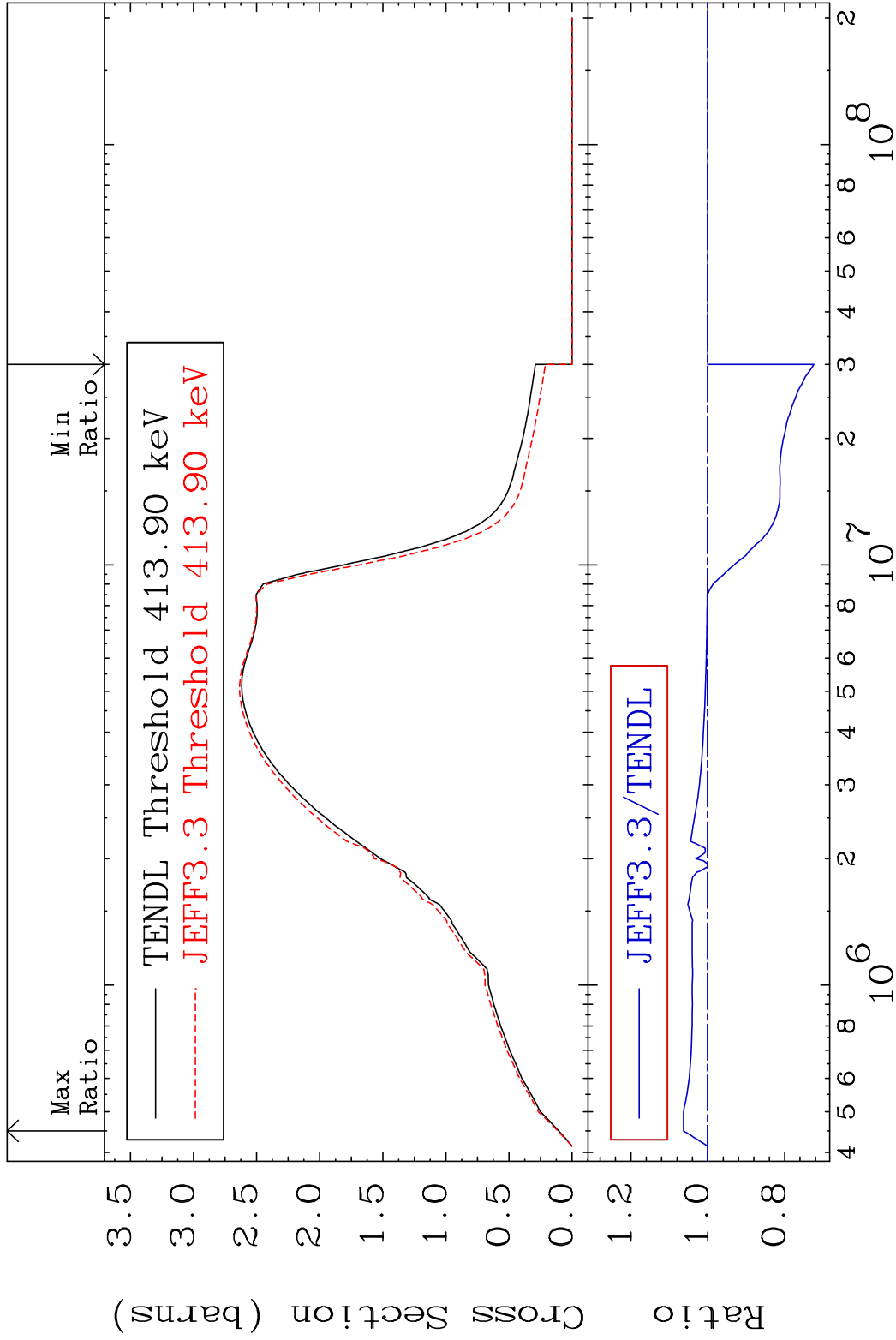
1                      Incident Energy (eV)                      80-Hg-198

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                      -27.59 To 6.320 %



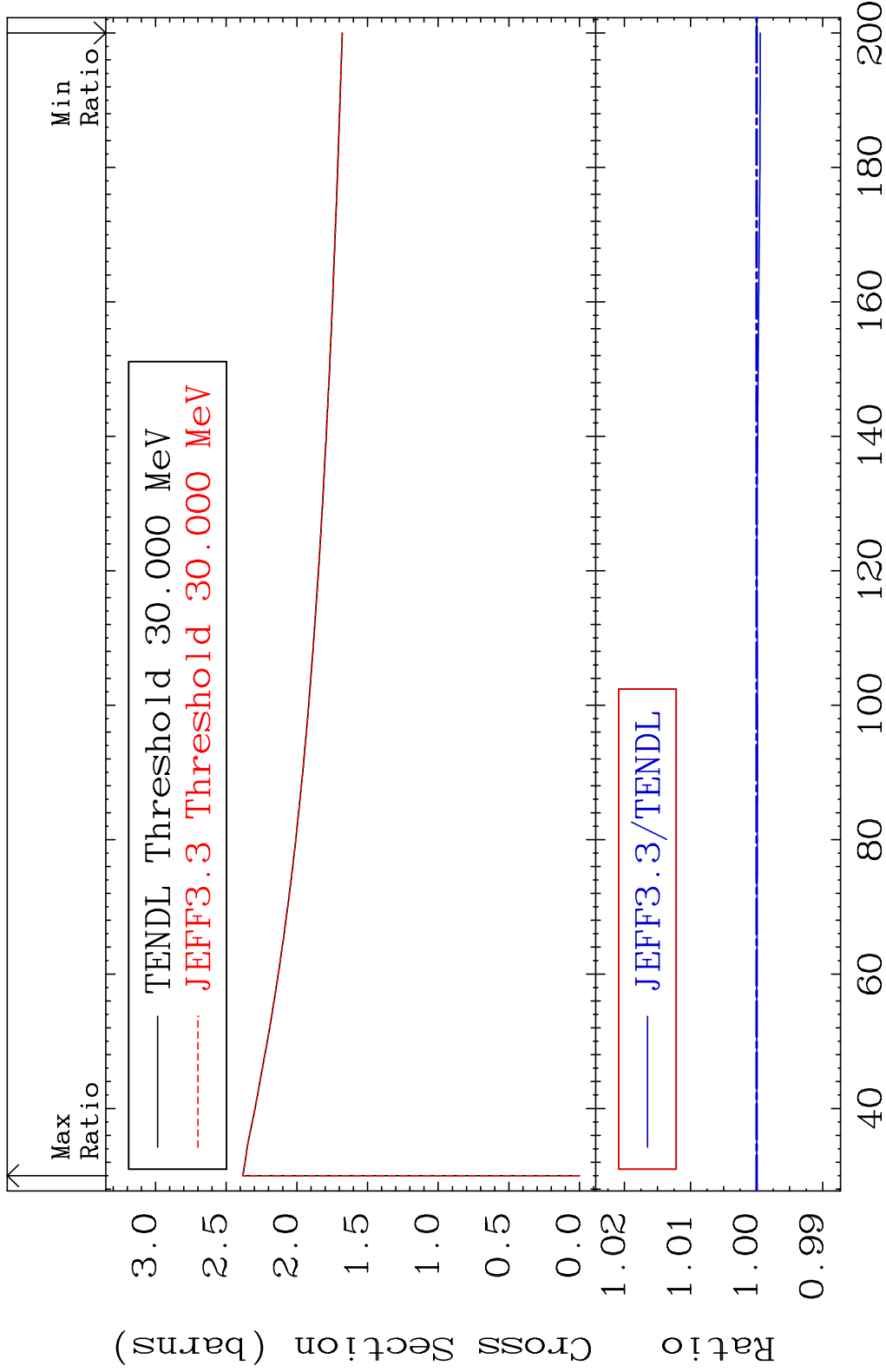
3                      Incident Energy (eV)                      80-Hg-198

MAT 8031

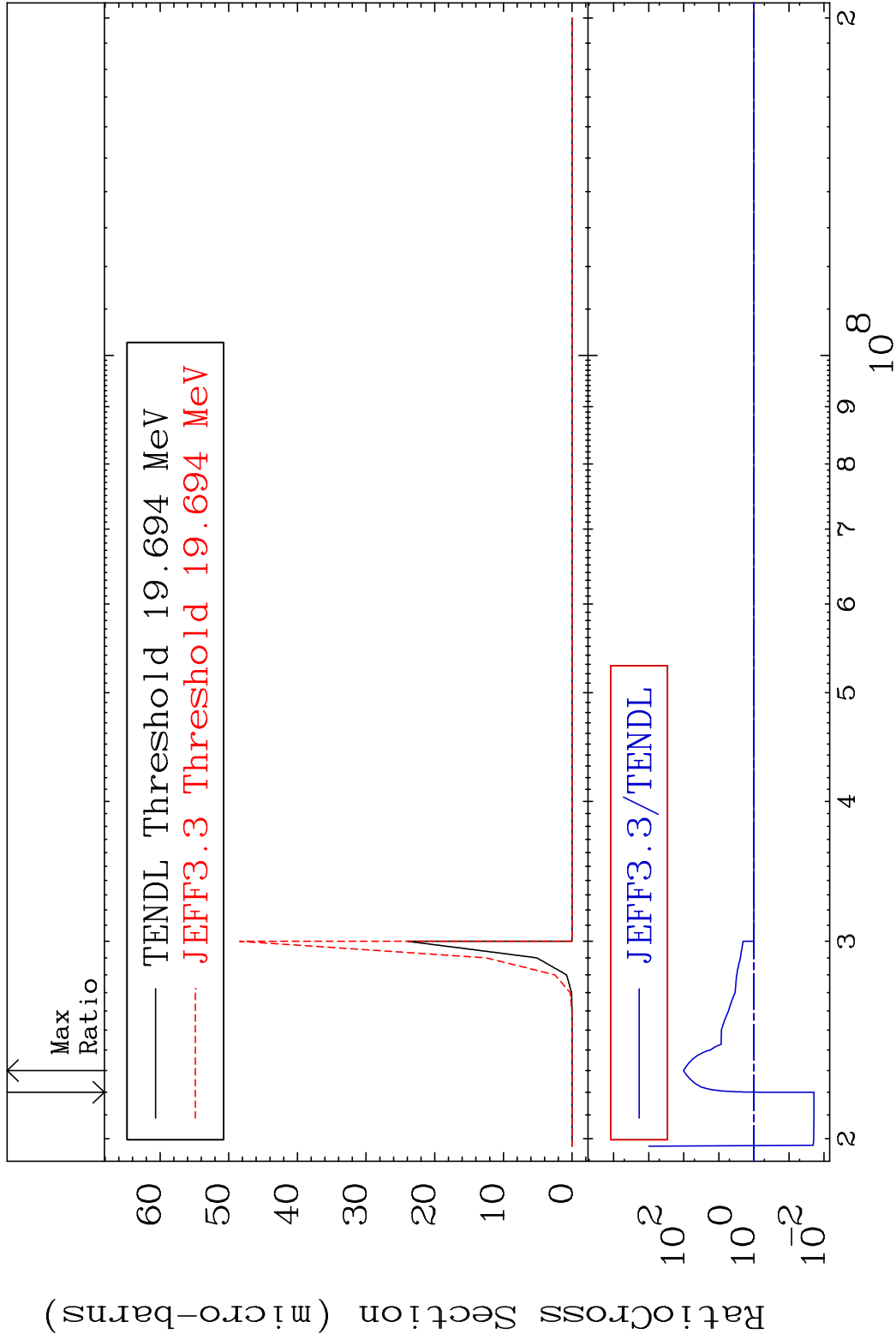
(n, remainder)

80-Hg-198

Cross Section -0.055 To 0.000 %



MAT 8031 (n,2n) d 80-Hg-198  
 Cross Section -98.06 To 9999. %



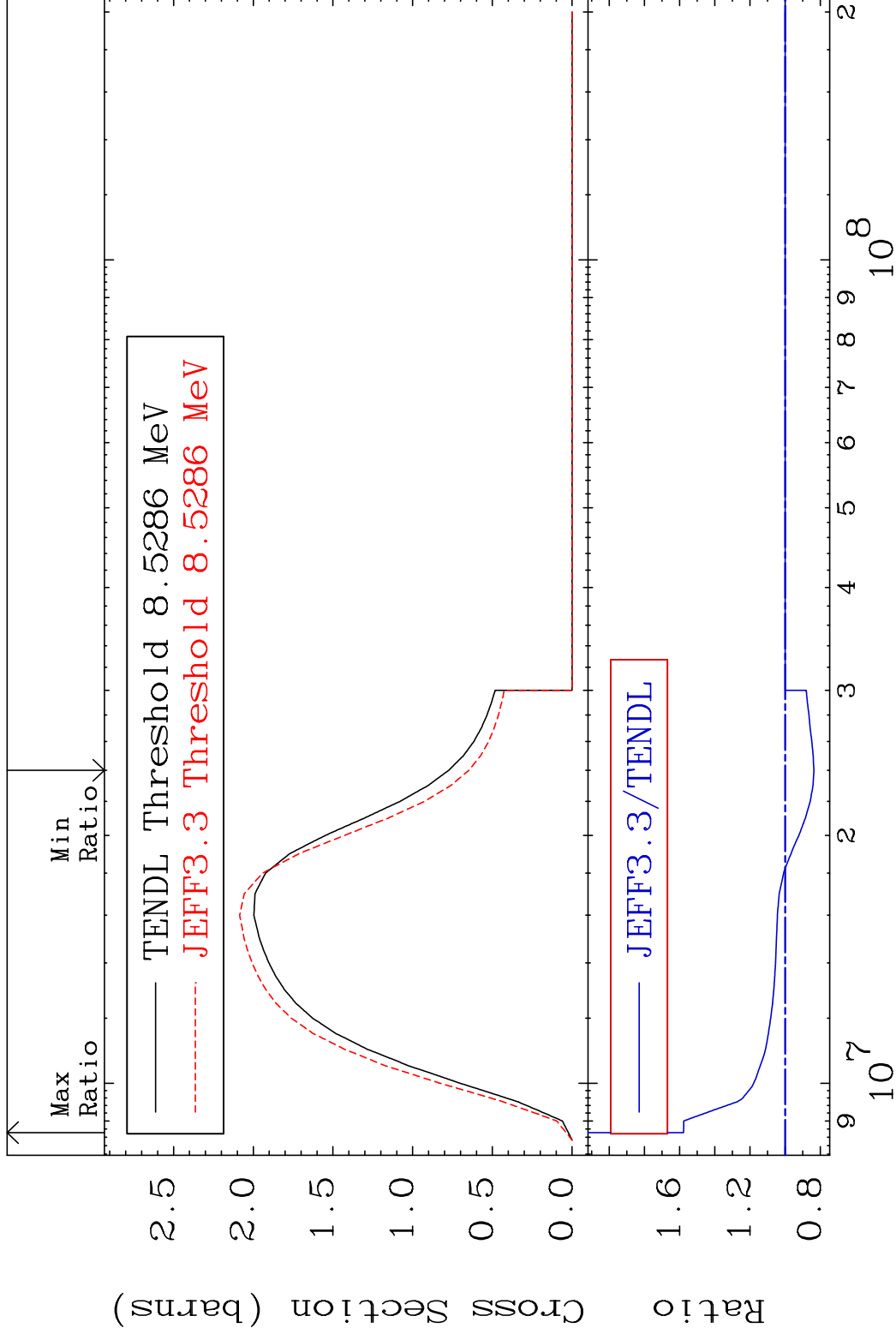
5 Incident Energy (eV) 80-Hg-198

MAT 8031

(n,2n)

80-Hg-198

Cross Section -16.28 To 57.81 %



6

Incident Energy (eV)

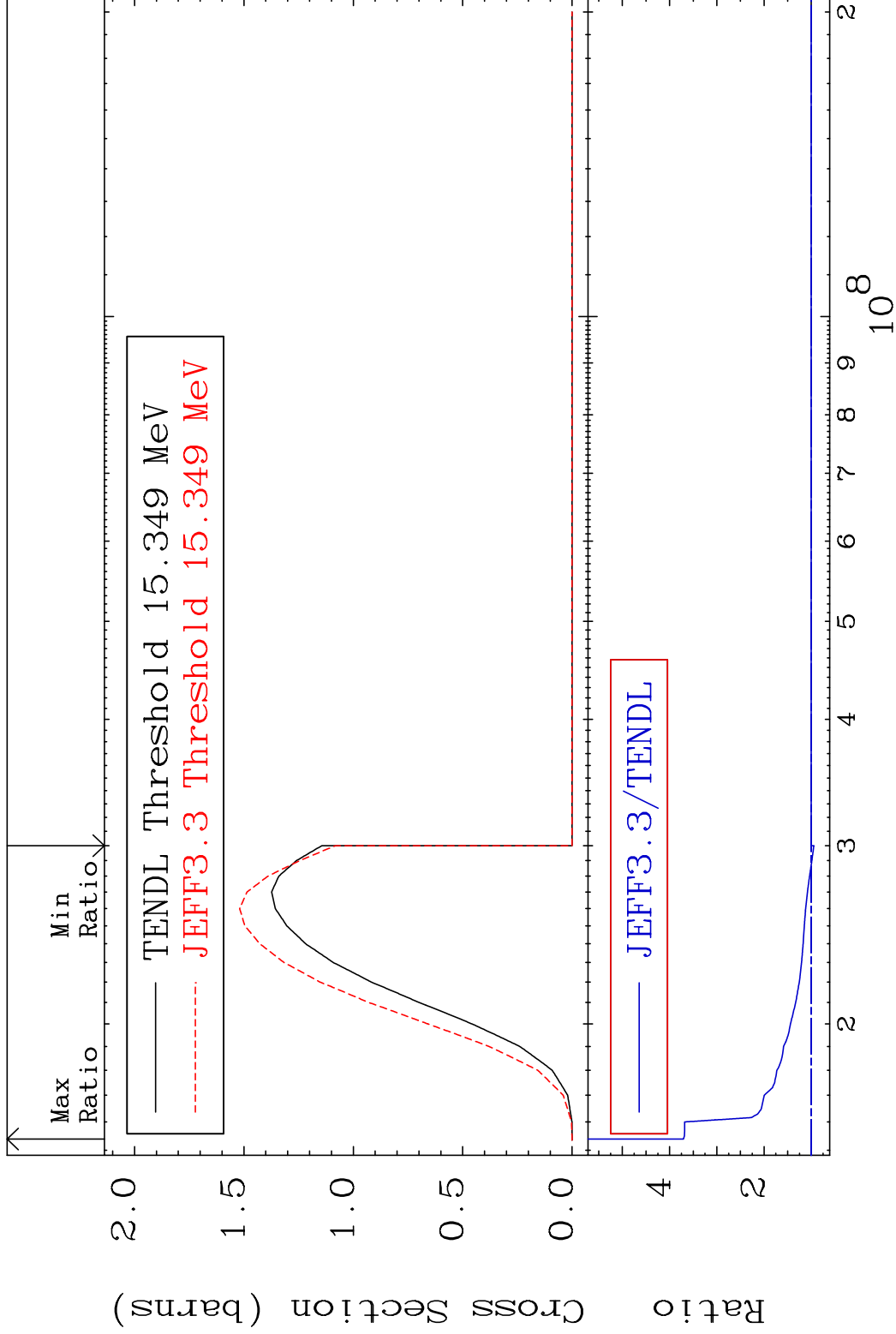
80-Hg-198

MAT 8031

(n,3n)

80-Hg-198

Cross Section -5.479 To 270.7 %



7

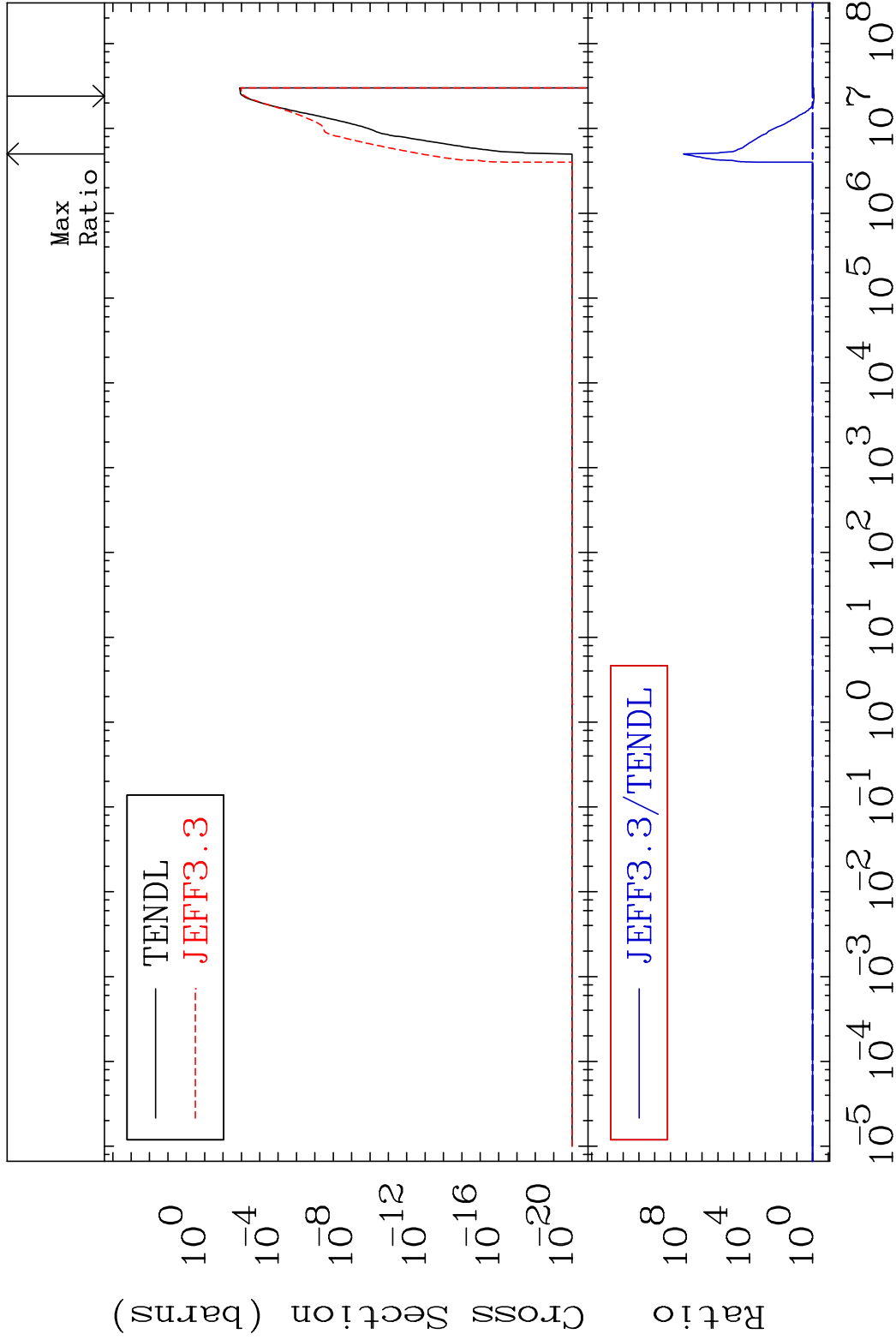
Incident Energy (eV)

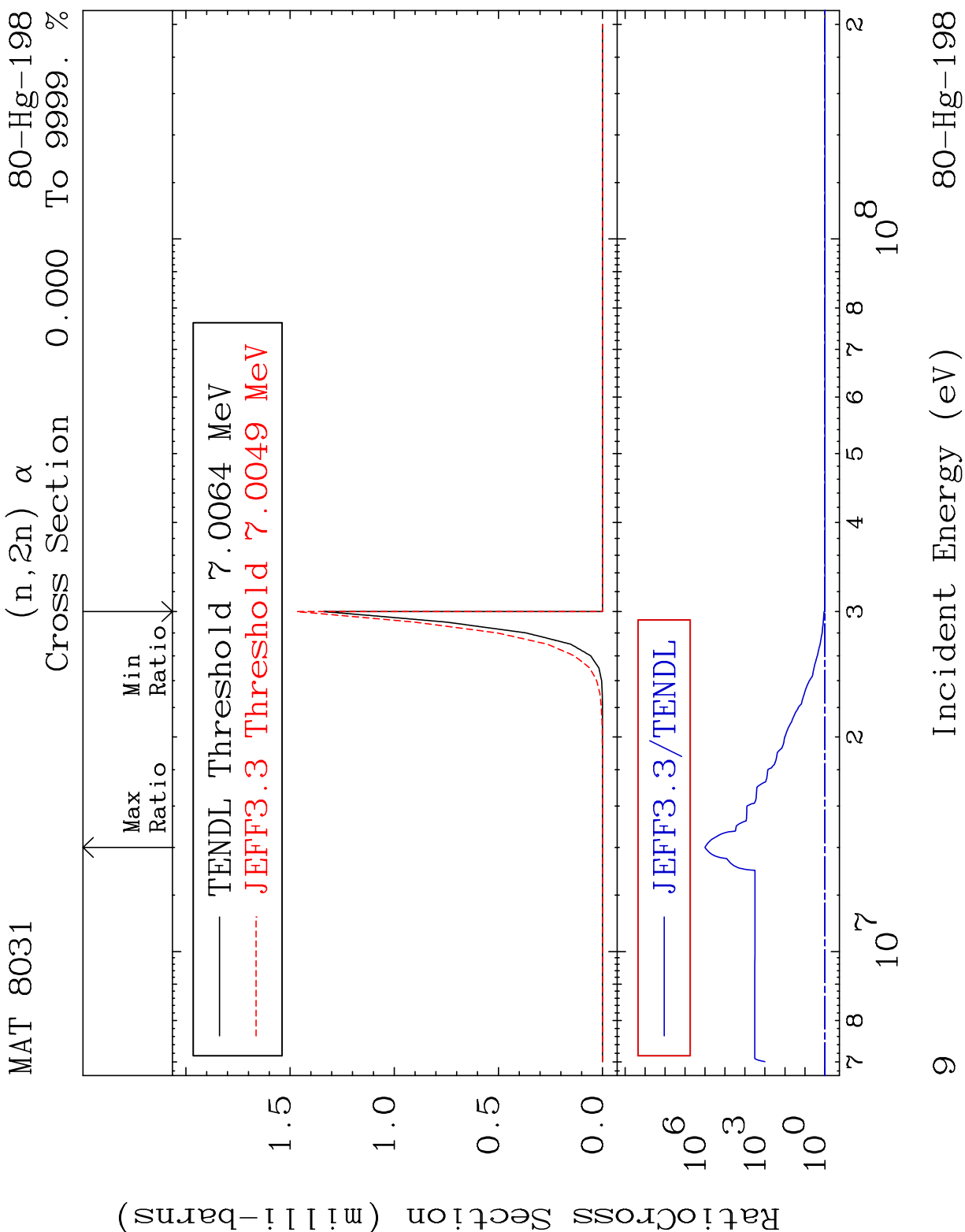
80-Hg-198

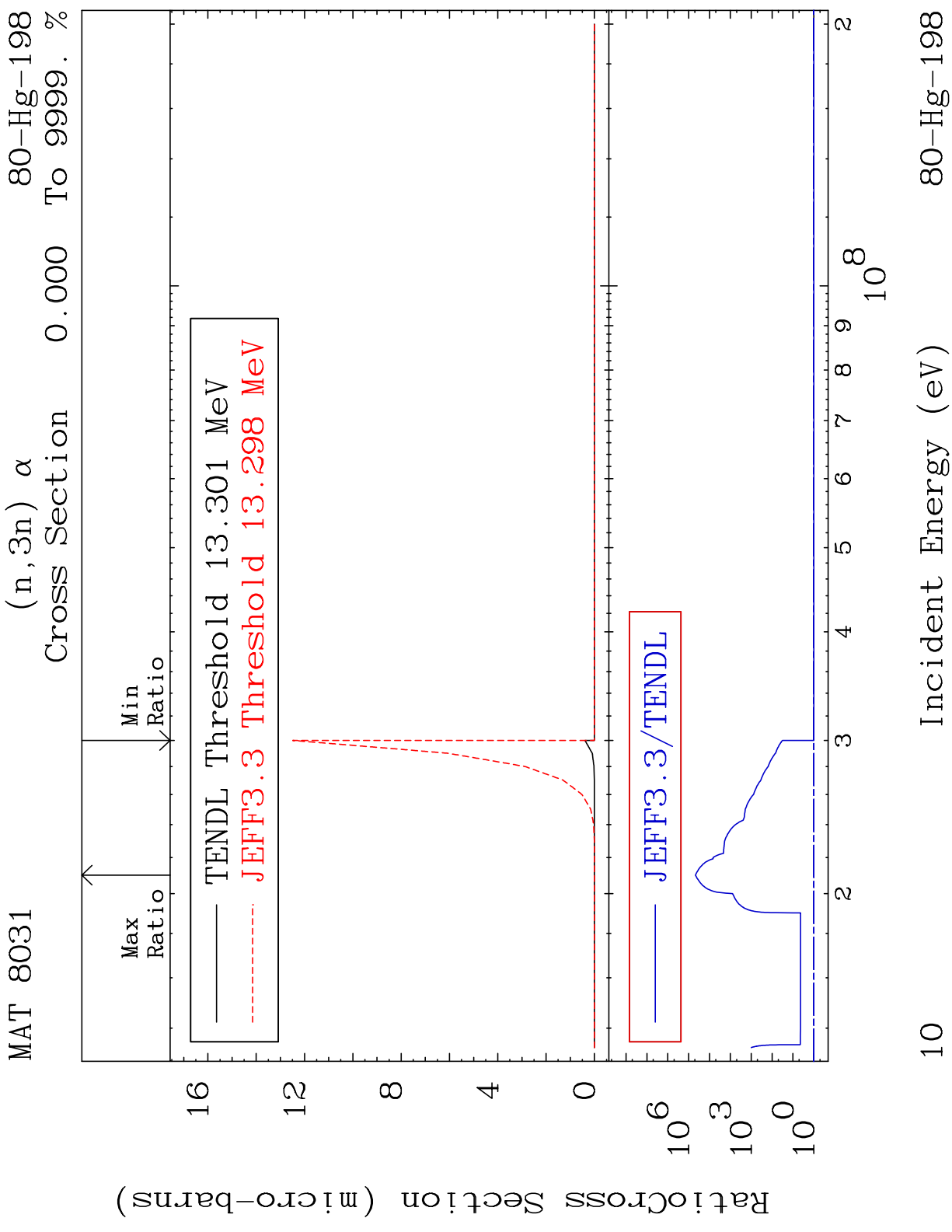


MAT 8031

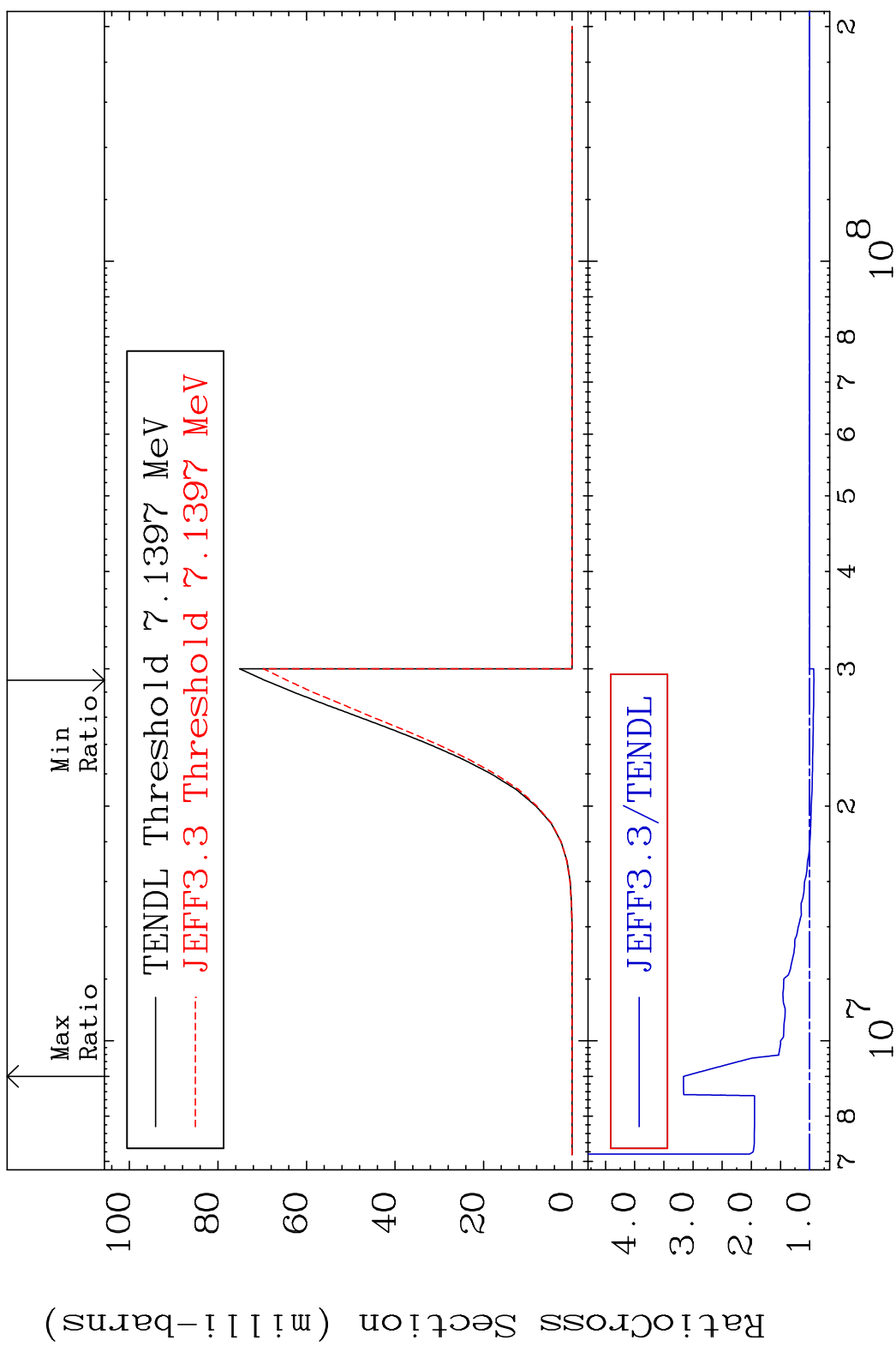
(n, n')  $\alpha$  80-Hg-198  
Cross Section -17.64 To 9999. %



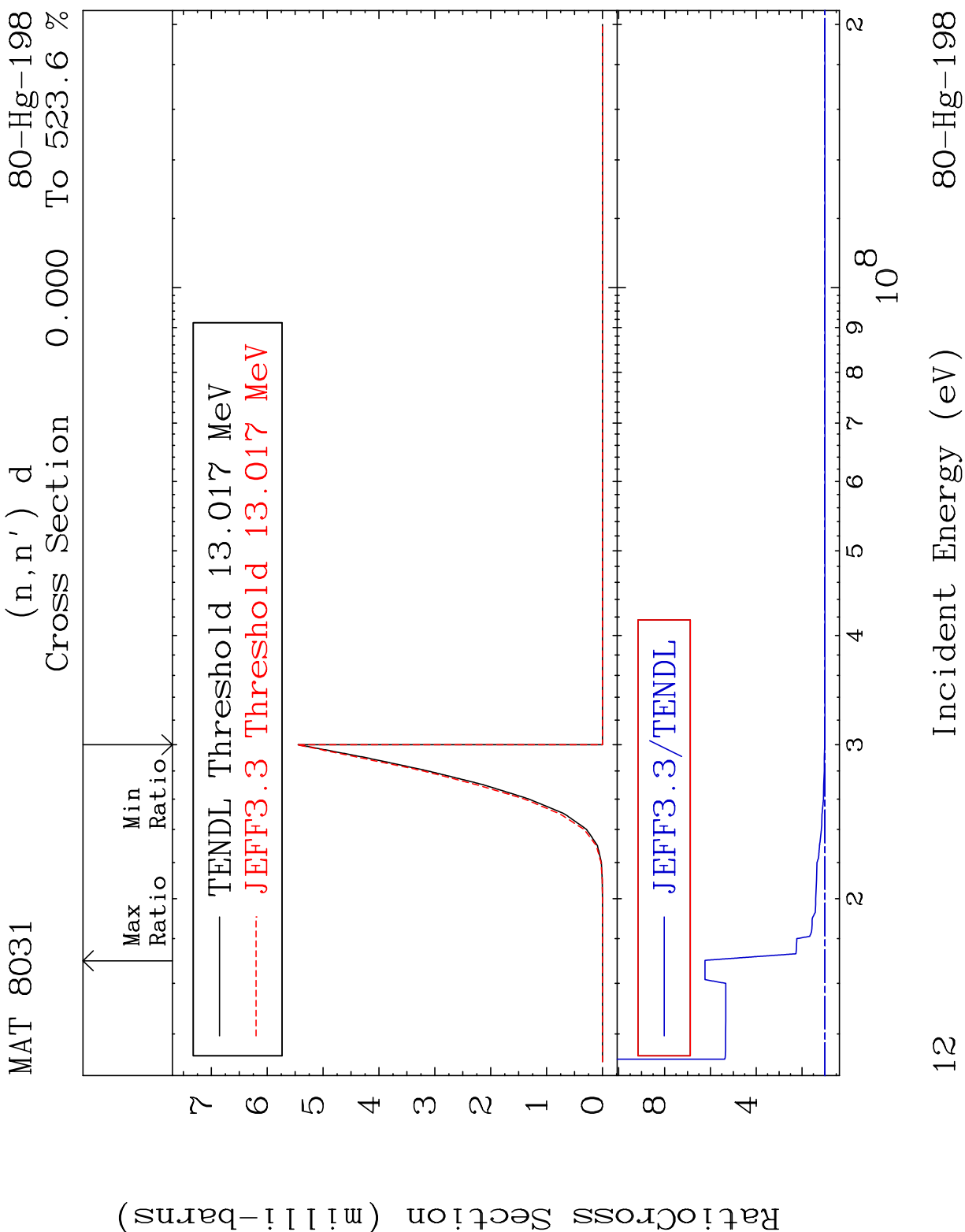




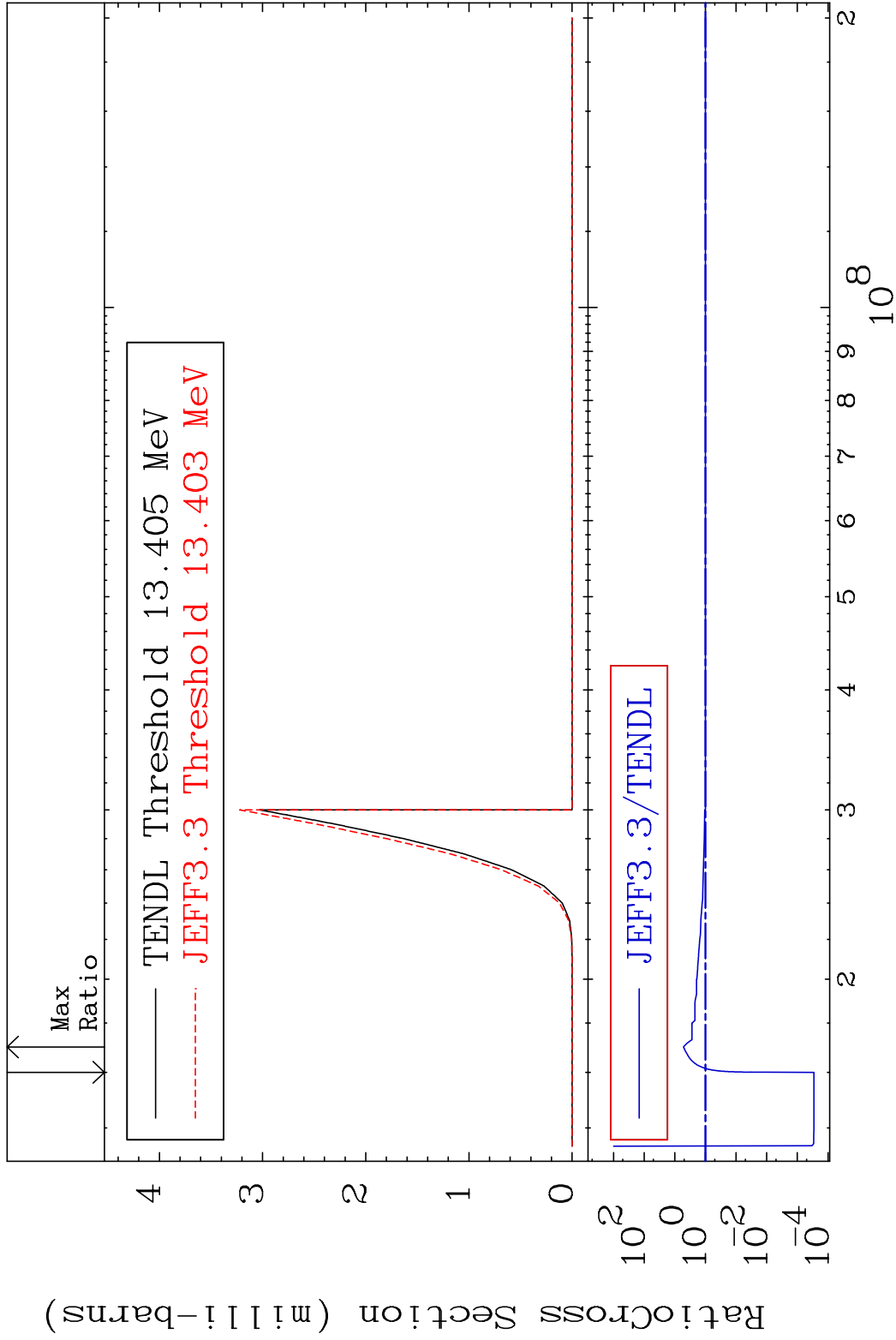
MAT 8031 (n, n') p 80-Hg-198  
 Cross Section -7.268 To 216.4 %

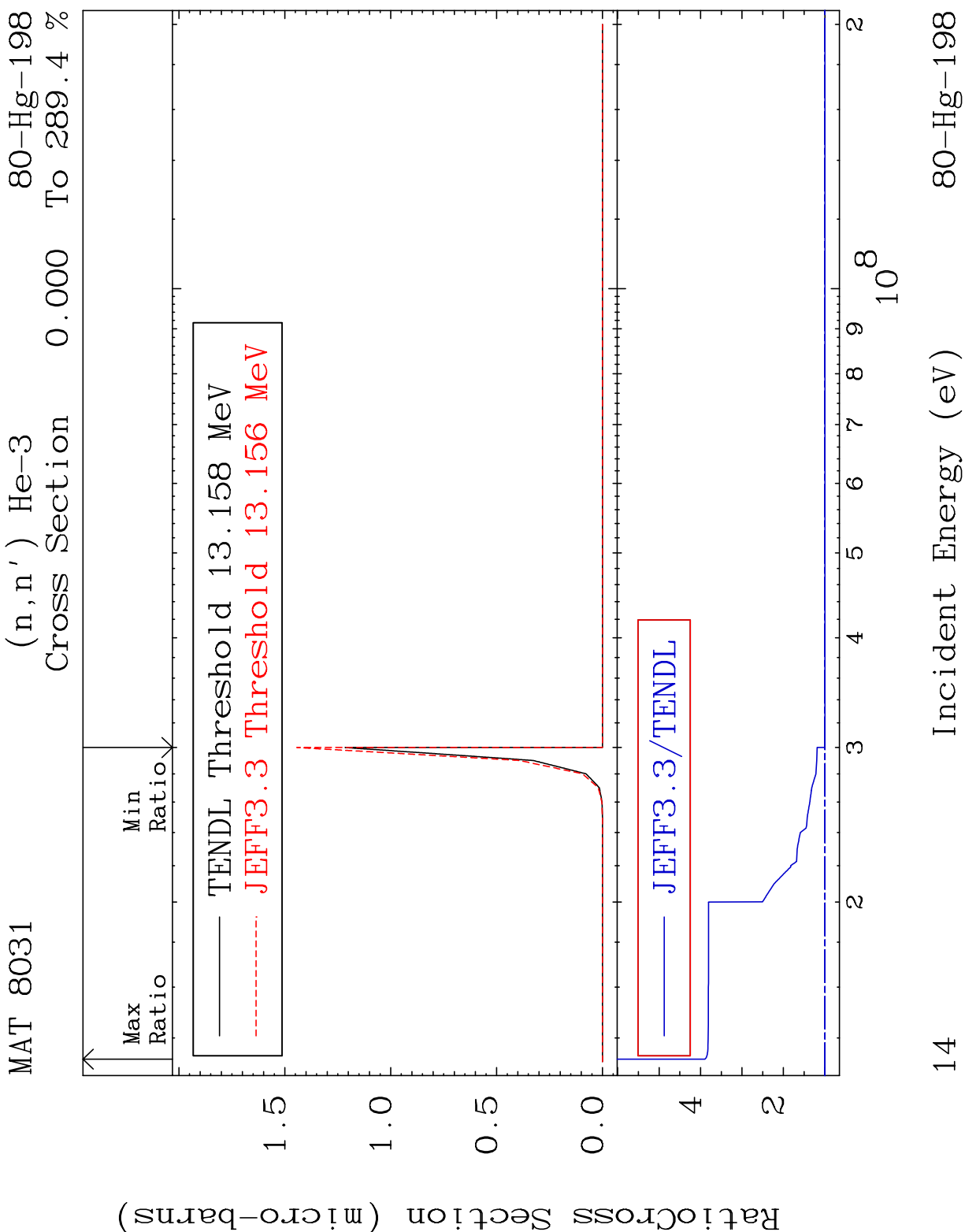


11 Incident Energy (eV) 80-Hg-198

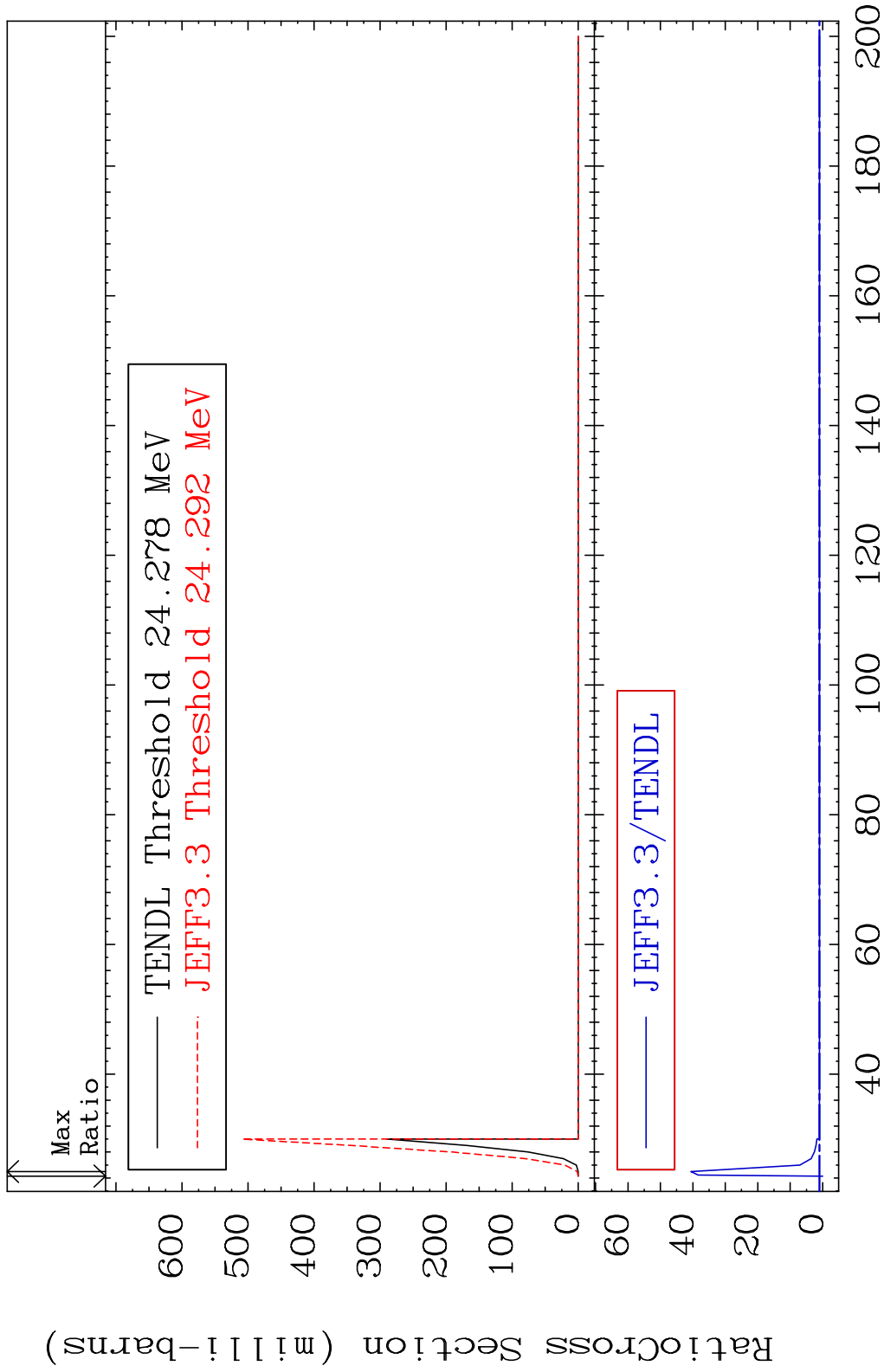


MAT 8031 (n, n') t 80-Hg-198  
 Cross Section -99.97 To 423.3 %



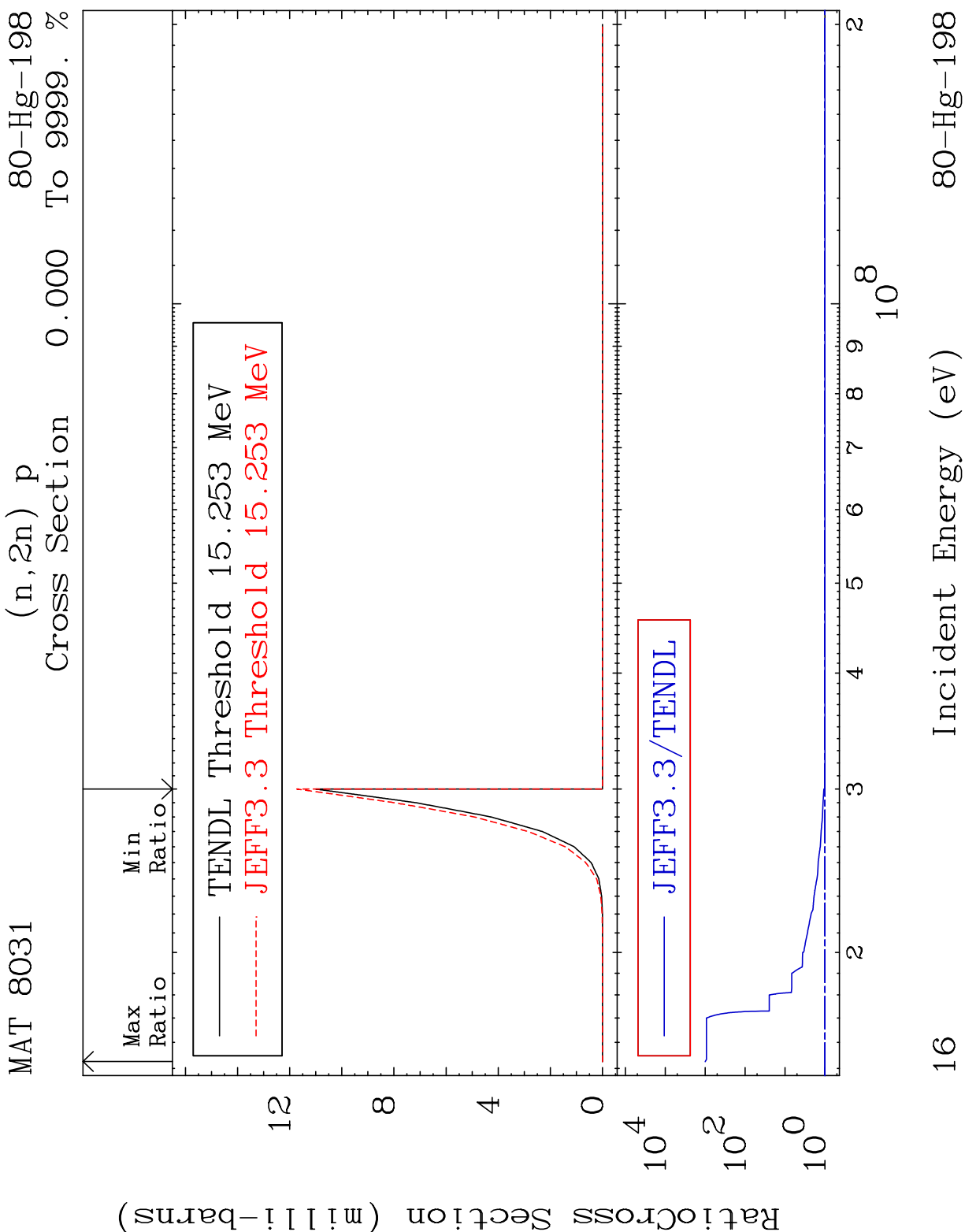


MAT 8031 (n,4n) 80-Hg-198  
 Cross Section -100.0 To 3963. %

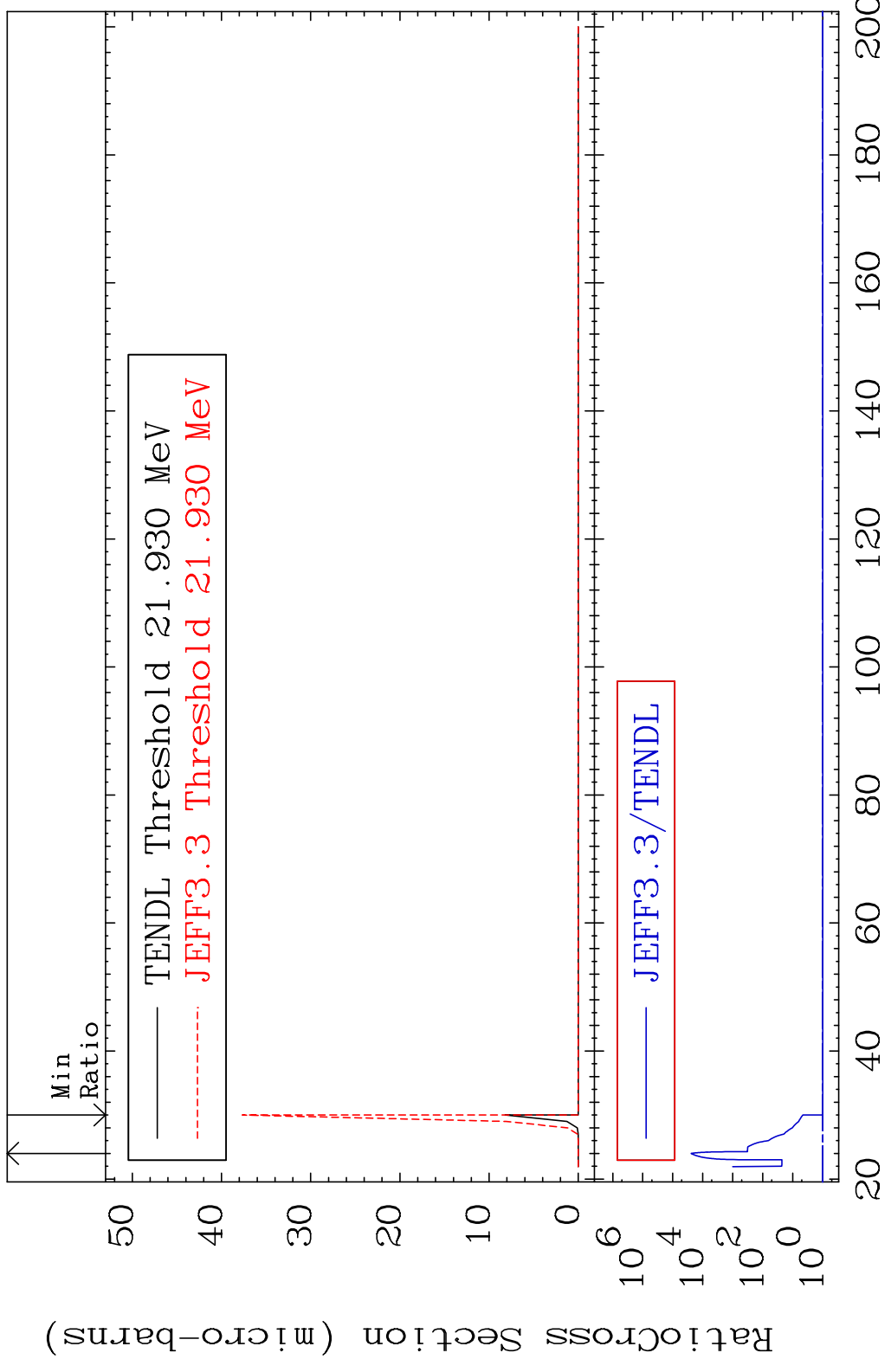


15 80-Hg-198

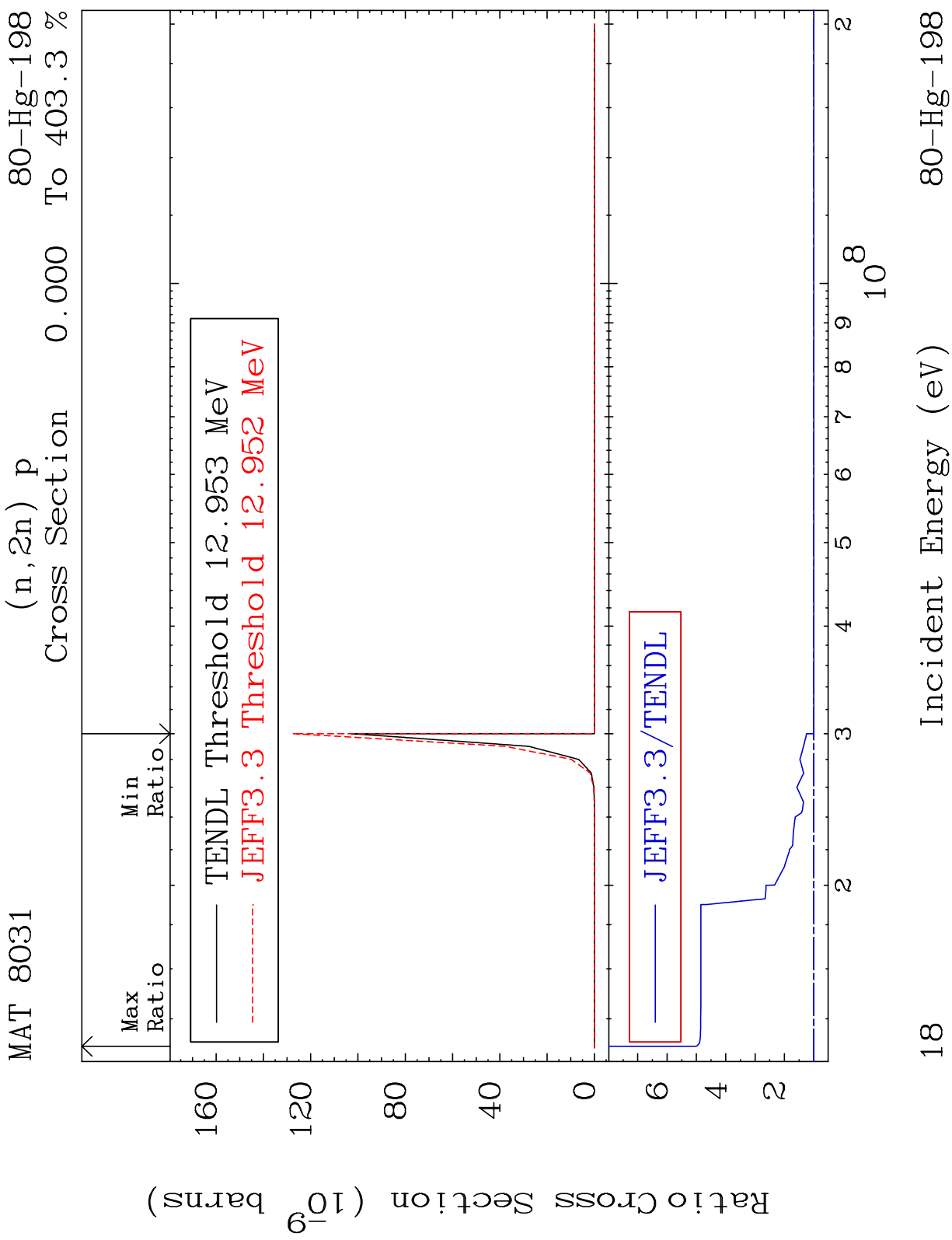




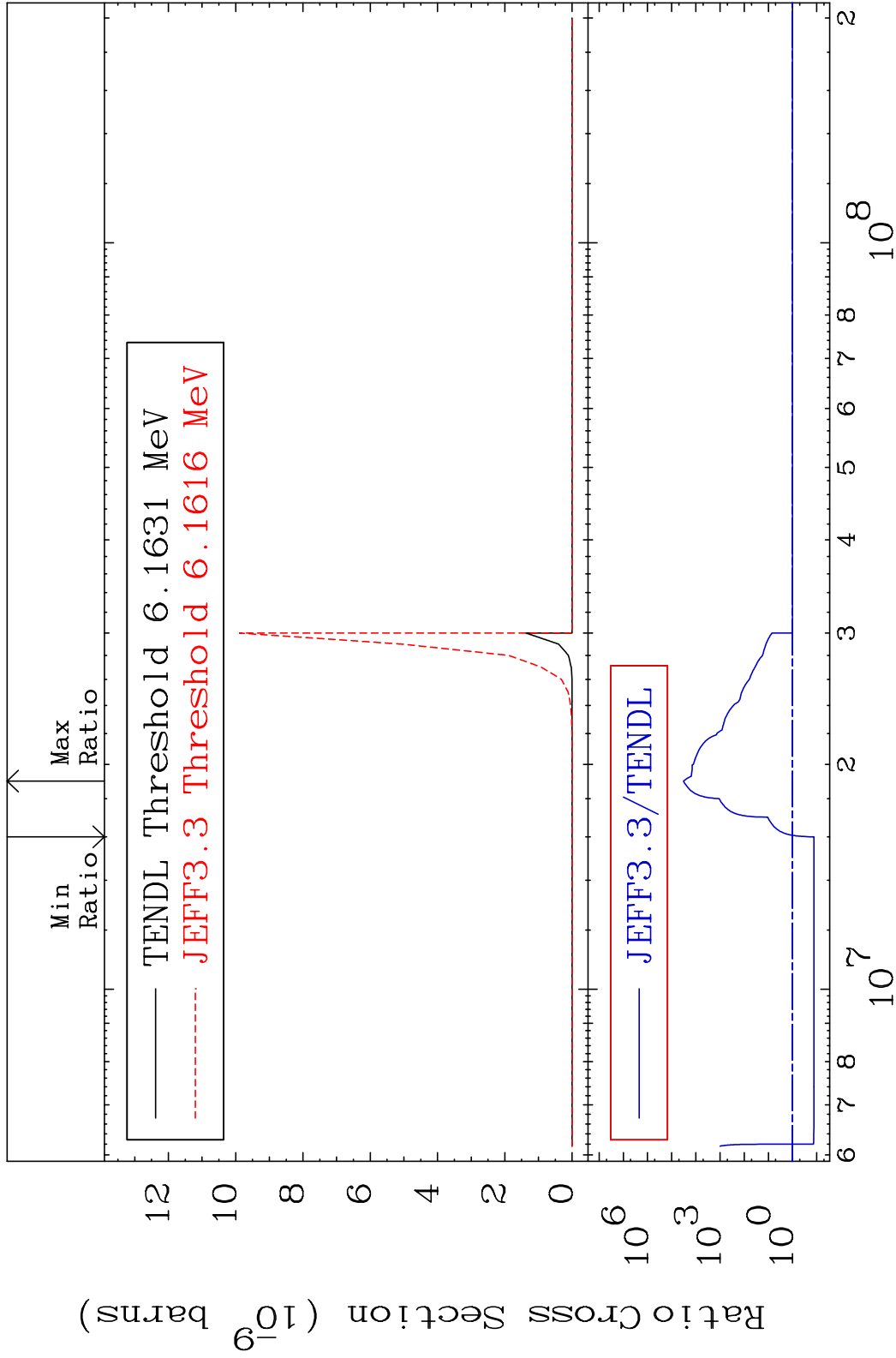
MAT 8031 (n,3n) p 80-Hg-198  
 Cross Section 0.000 To 9999. %



17 80-Hg-198

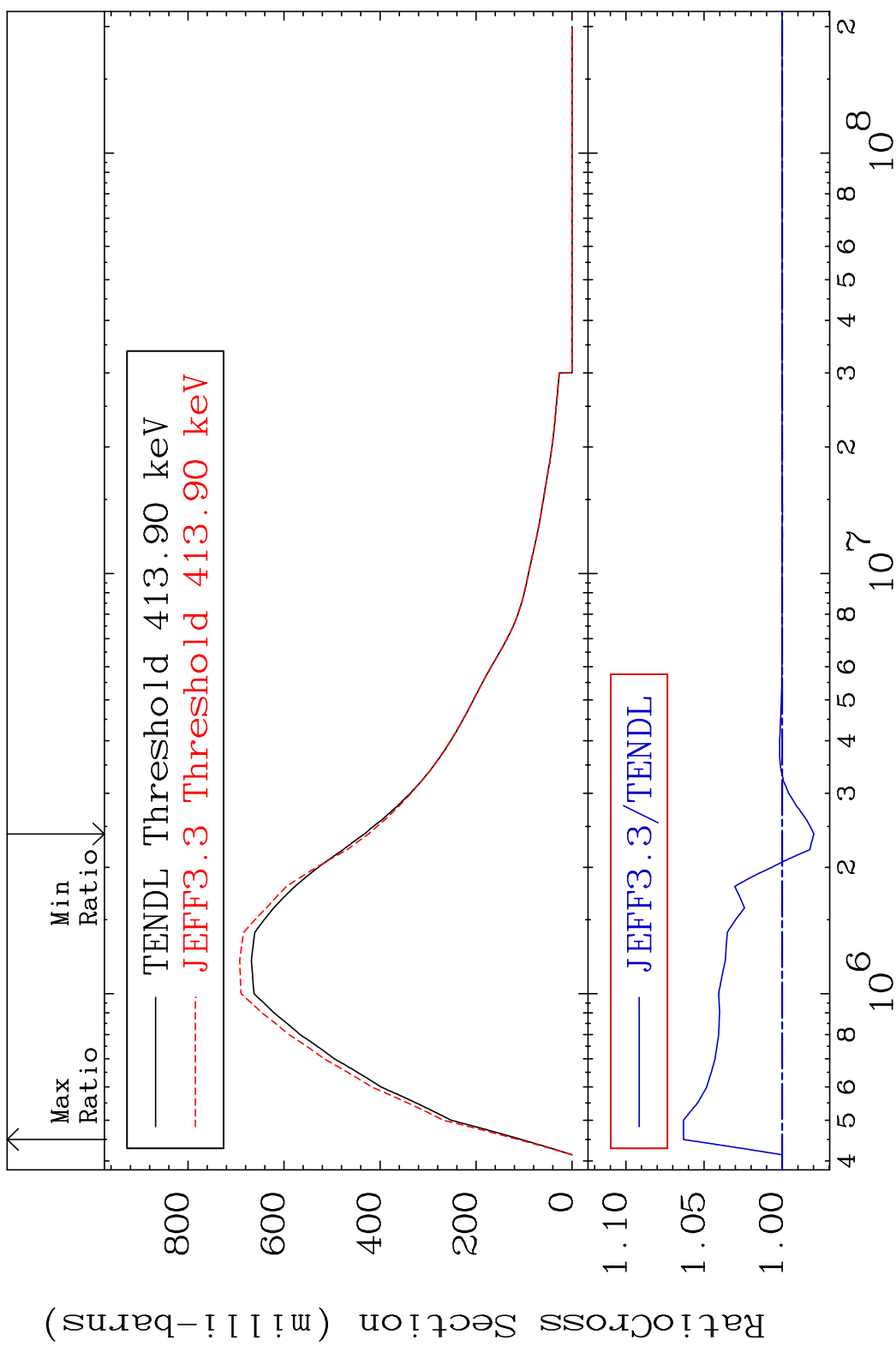


MAT 8031 (n, n') p α 80-Hg-198  
 Cross Section -86.86 To 9999. %



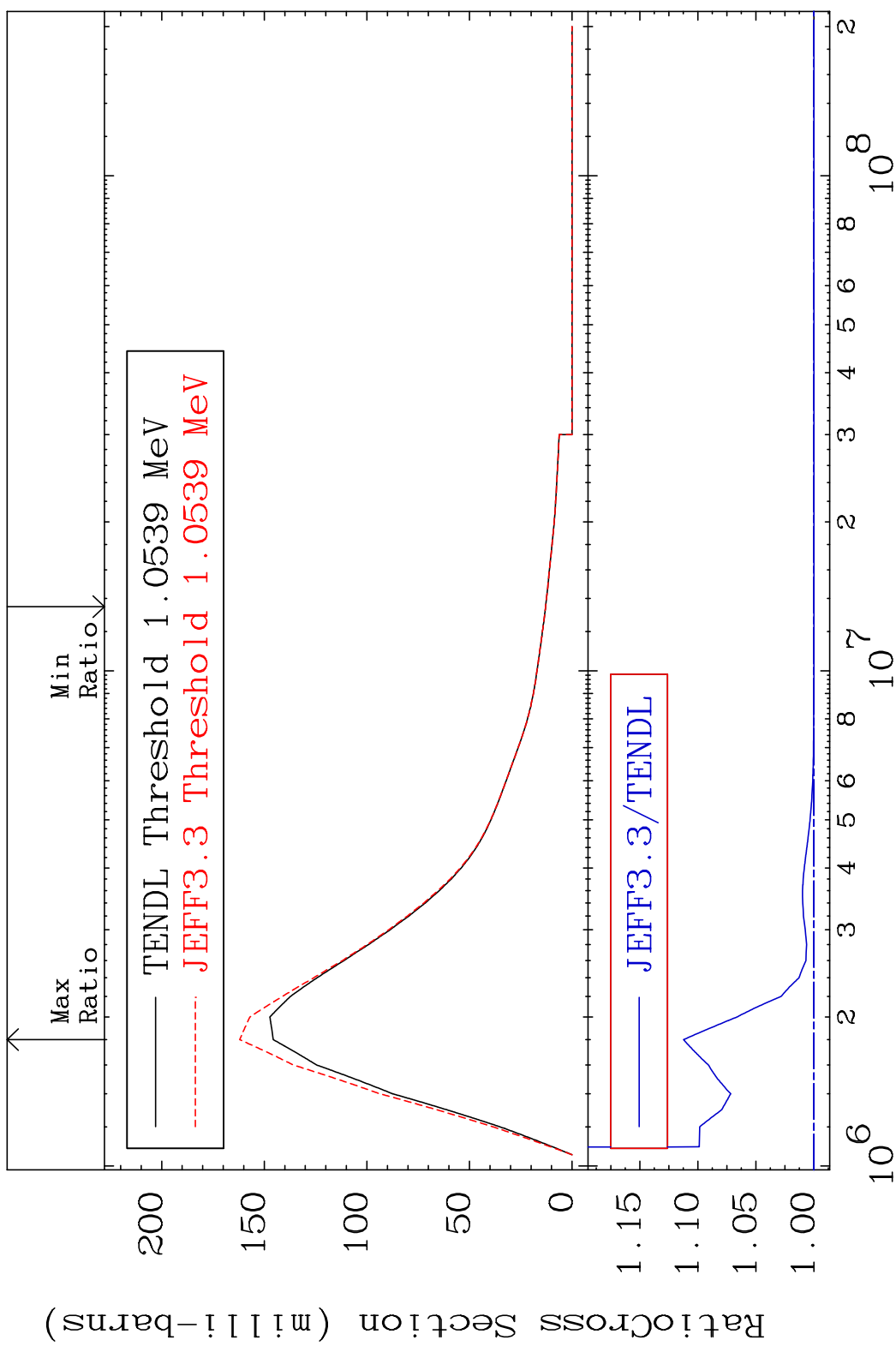
19 80-Hg-198

MAT 8031 MT= 51 (n, n') Level 80-Hg-198  
 Cross Section -2.020 To 6.320 %



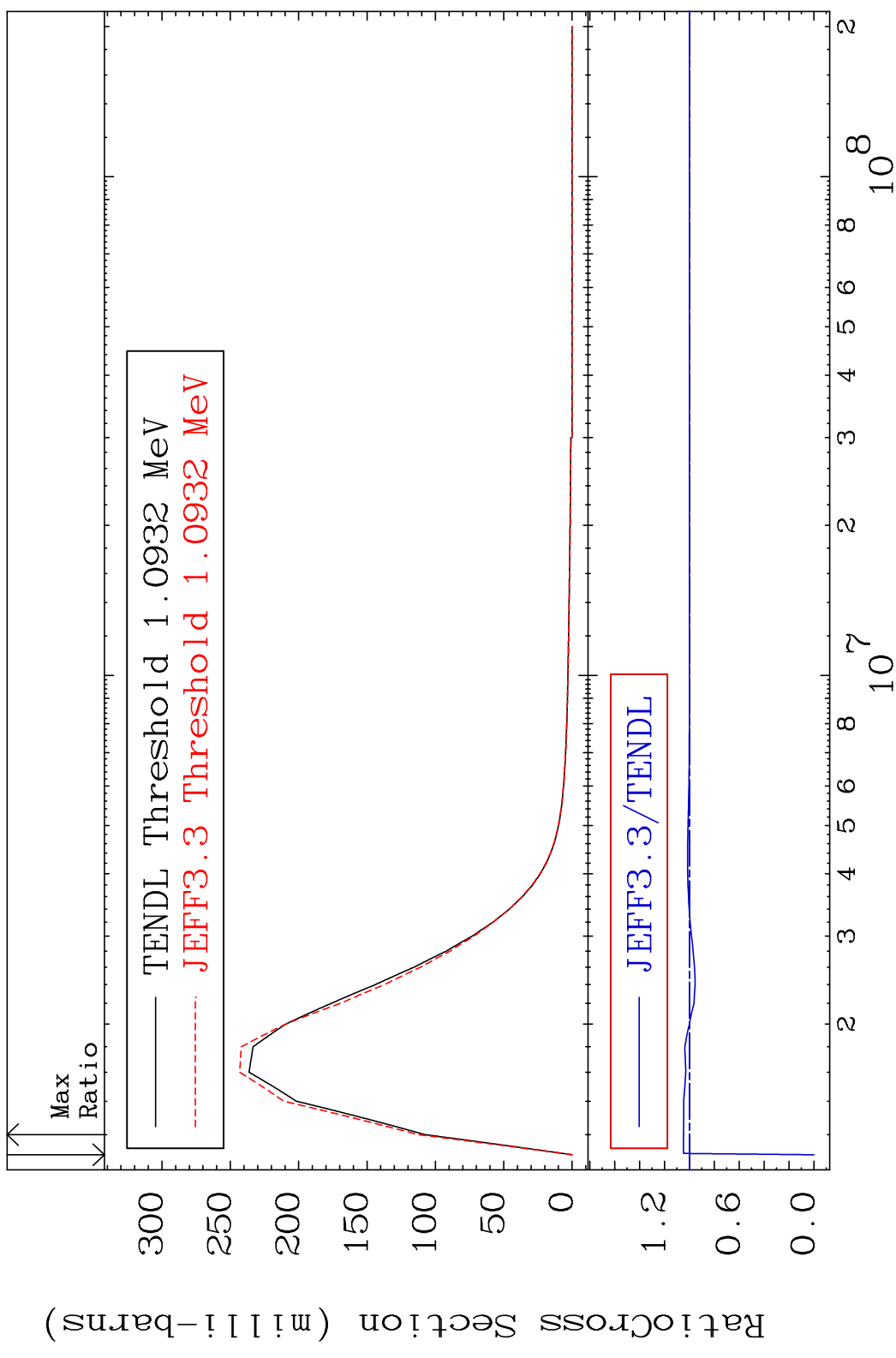
20 Incident Energy (eV) 80-Hg-198

MAT 8031 MT= 52 (n, n') Level 80-Hg-198  
 Cross Section 0.000 To 11.24 %

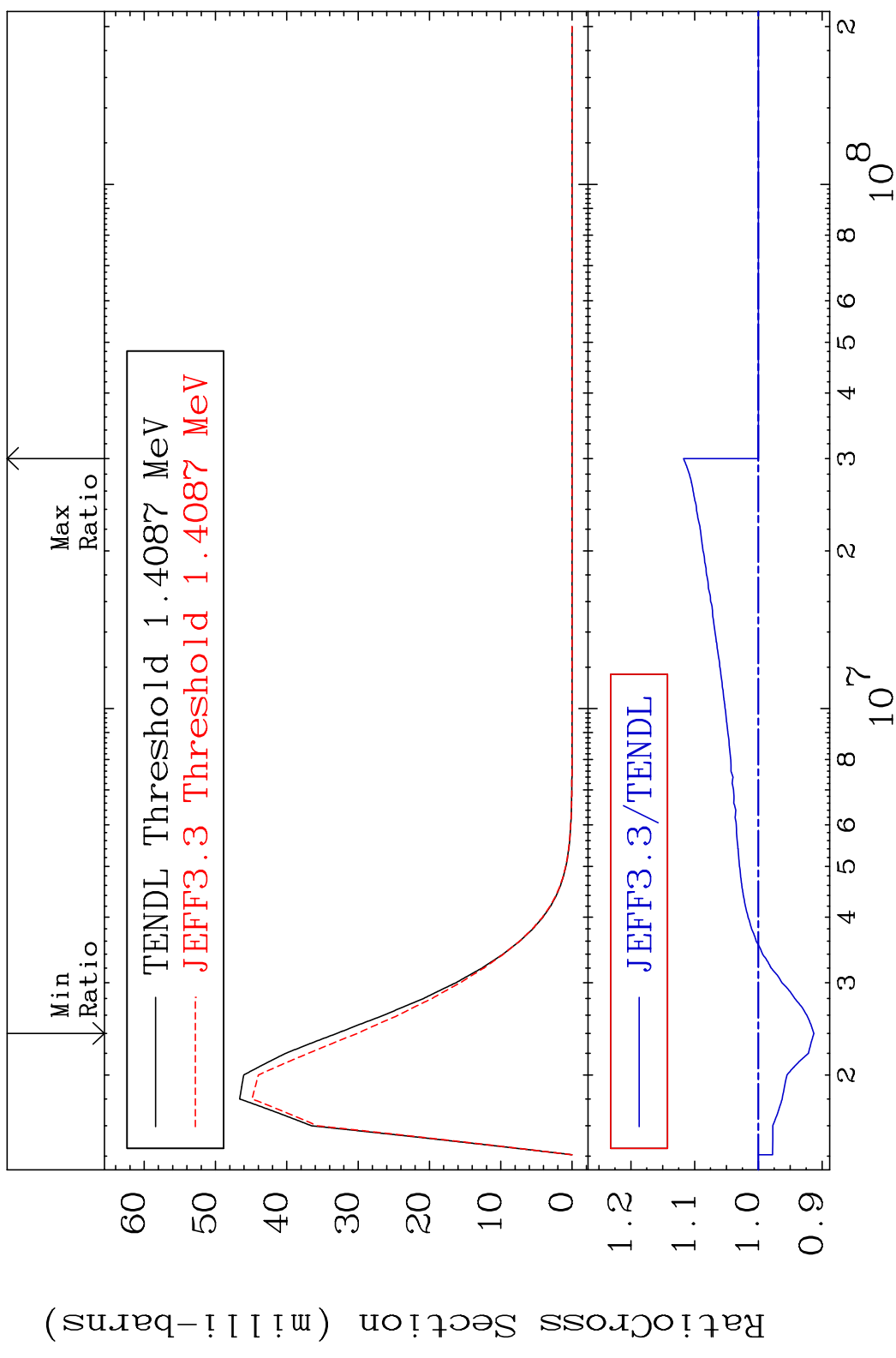


21 80-Hg-198

MAT 8031      MT= 53 (n, n') Level      80-Hg-198  
 Cross Section    -100.0 To 4.776 %

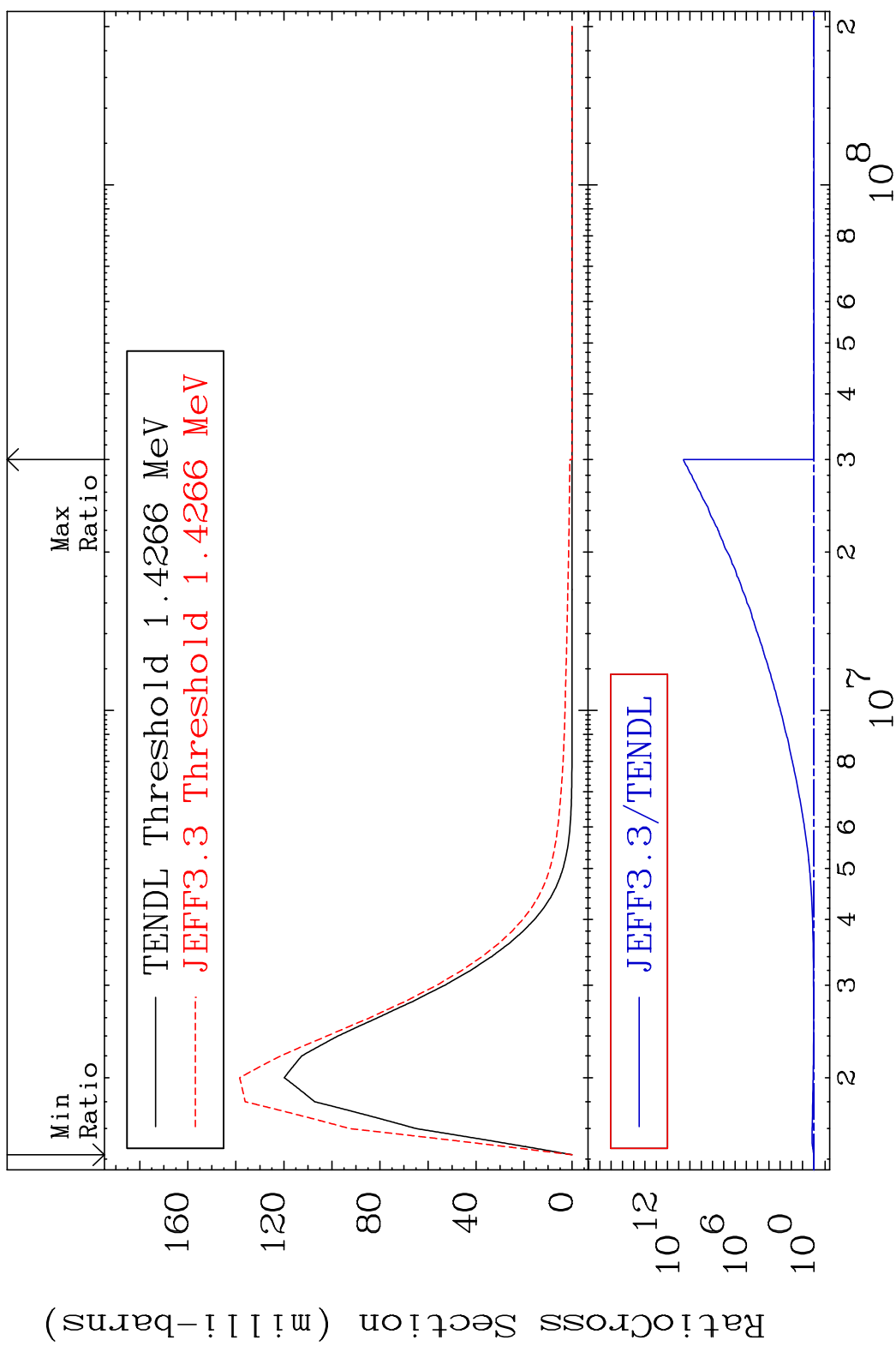


MAT 8031 MT= 54 (n, n') Level 80-Hg-198  
 Cross Section -8.716 To 11.75 %

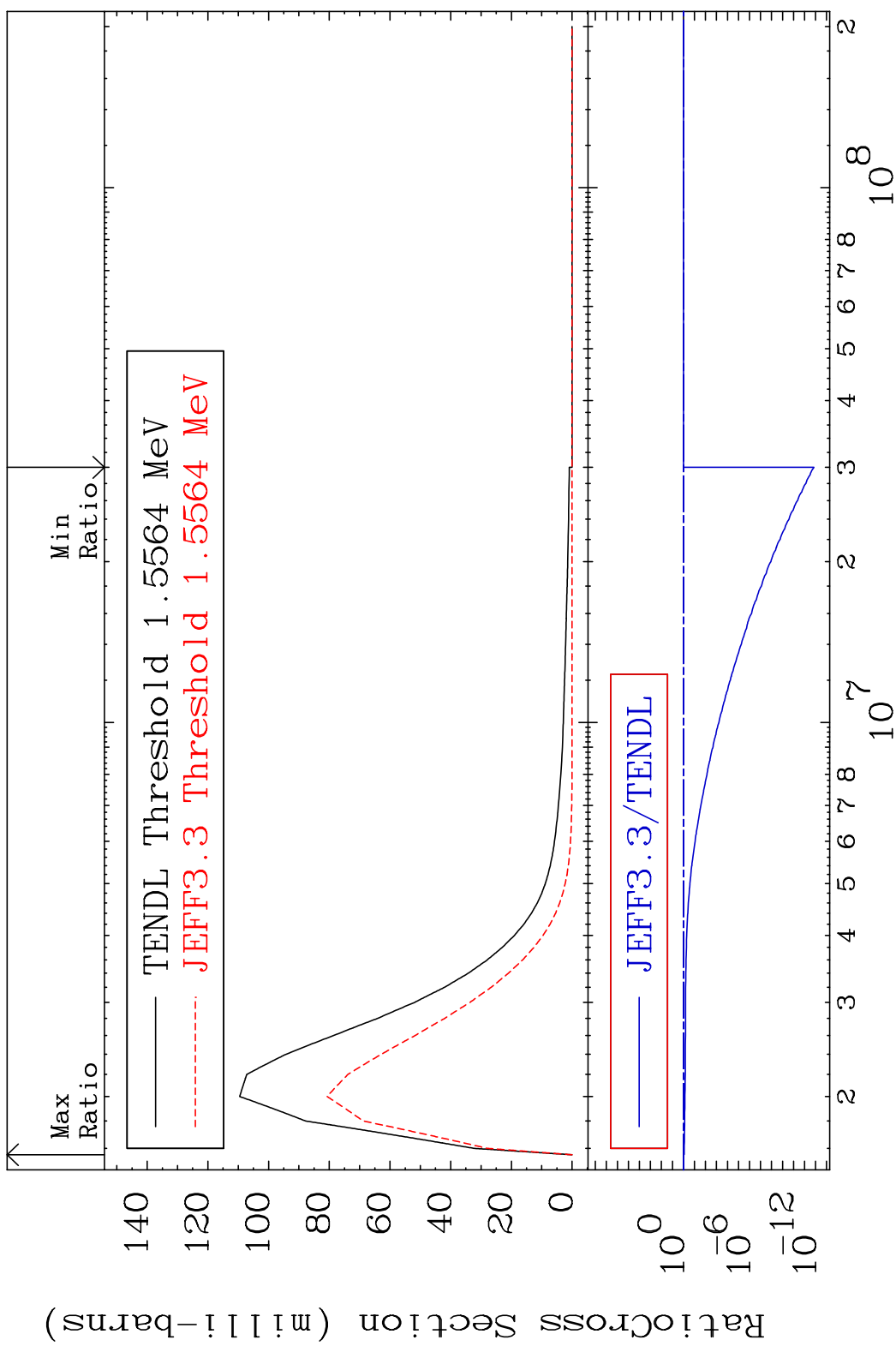




MAT 8031 MT= 55 (n, n') Level 80-Hg-198  
 Cross Section 0.000 To 9999. %

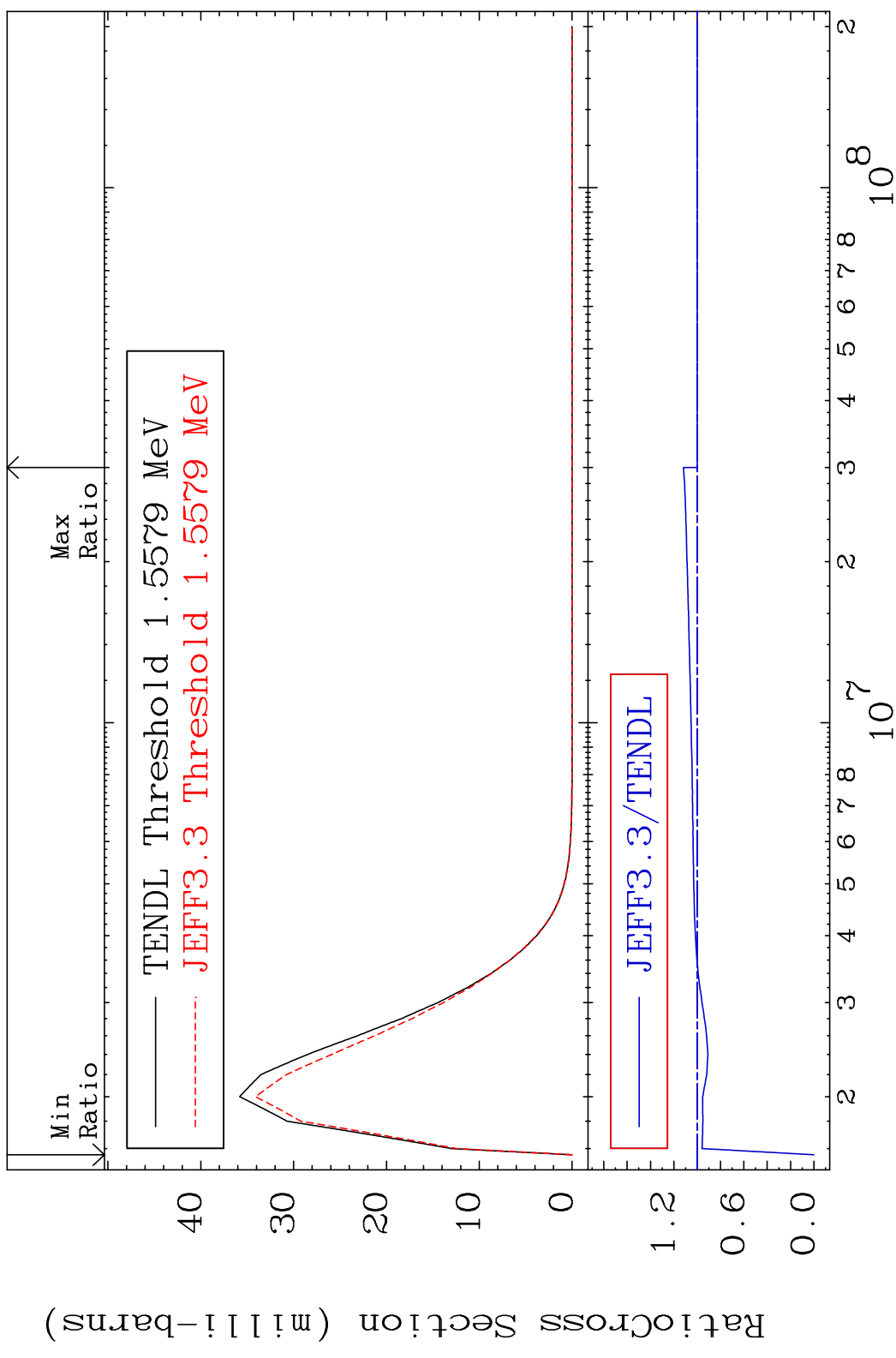


MAT 8031 MT= 56 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 0.000 %

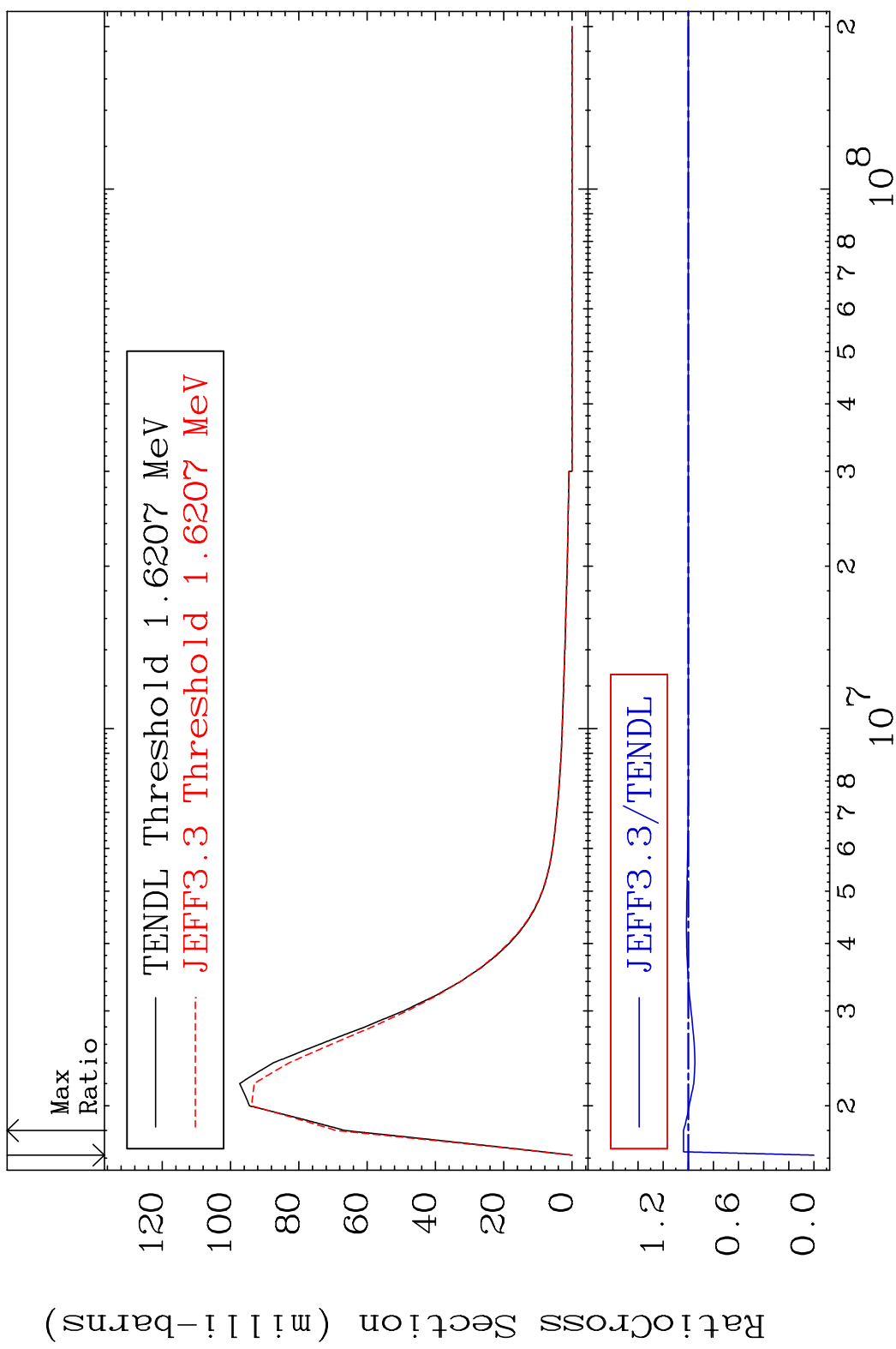


25 Incident Energy (eV) 80-Hg-198

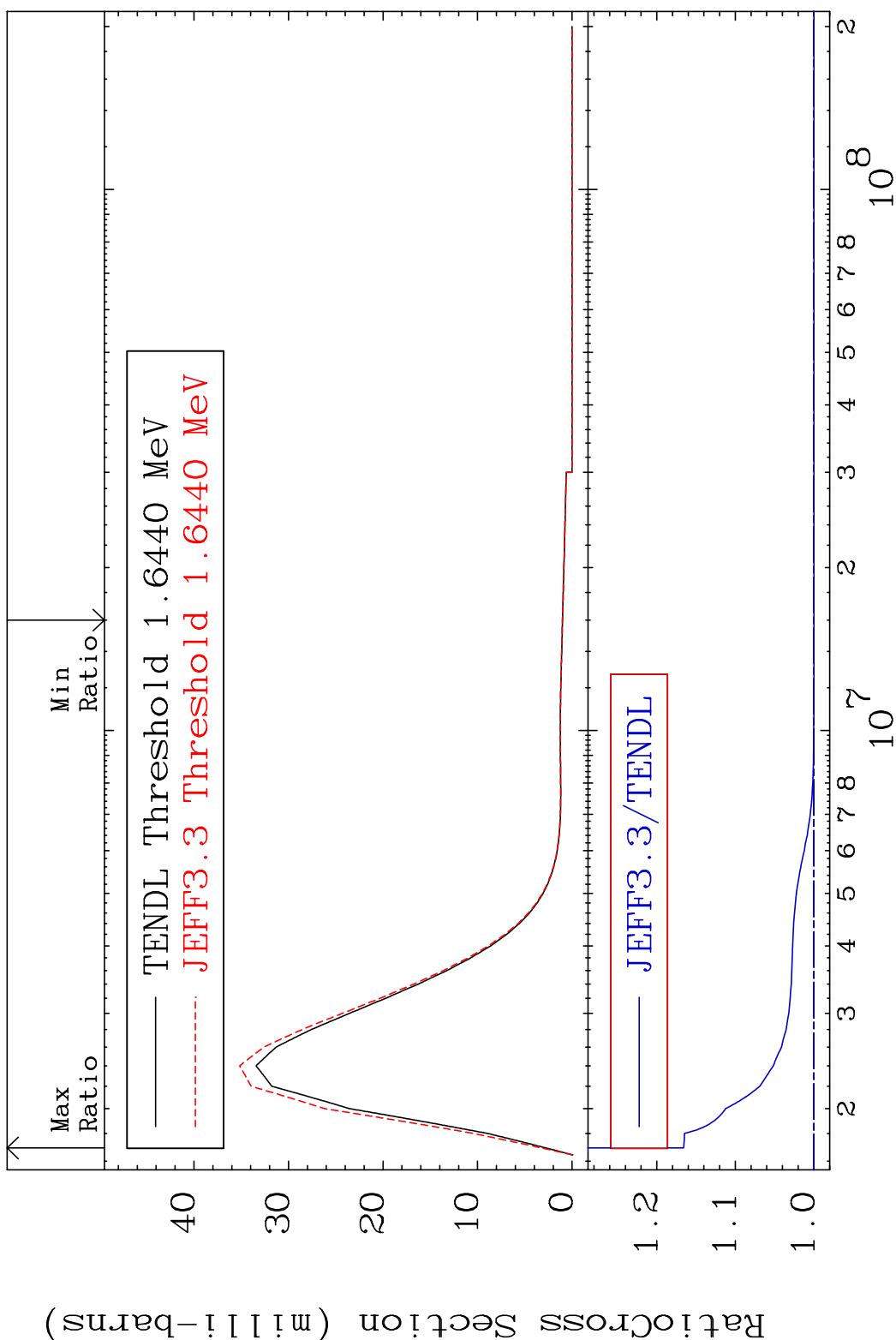
MAT 8031 MT= 57 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 11.75 %



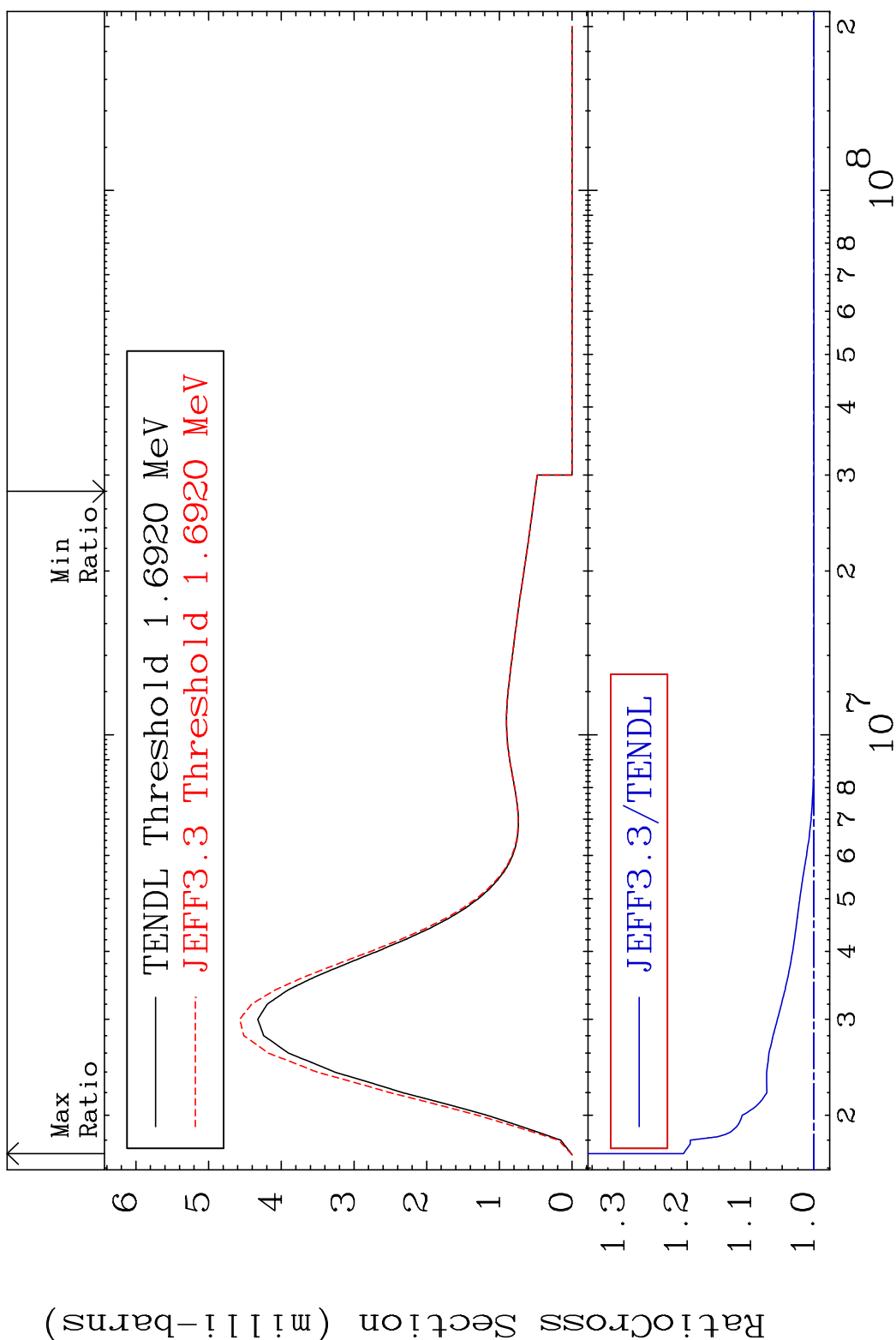
MAT 8031 MT= 58 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 3.876 %



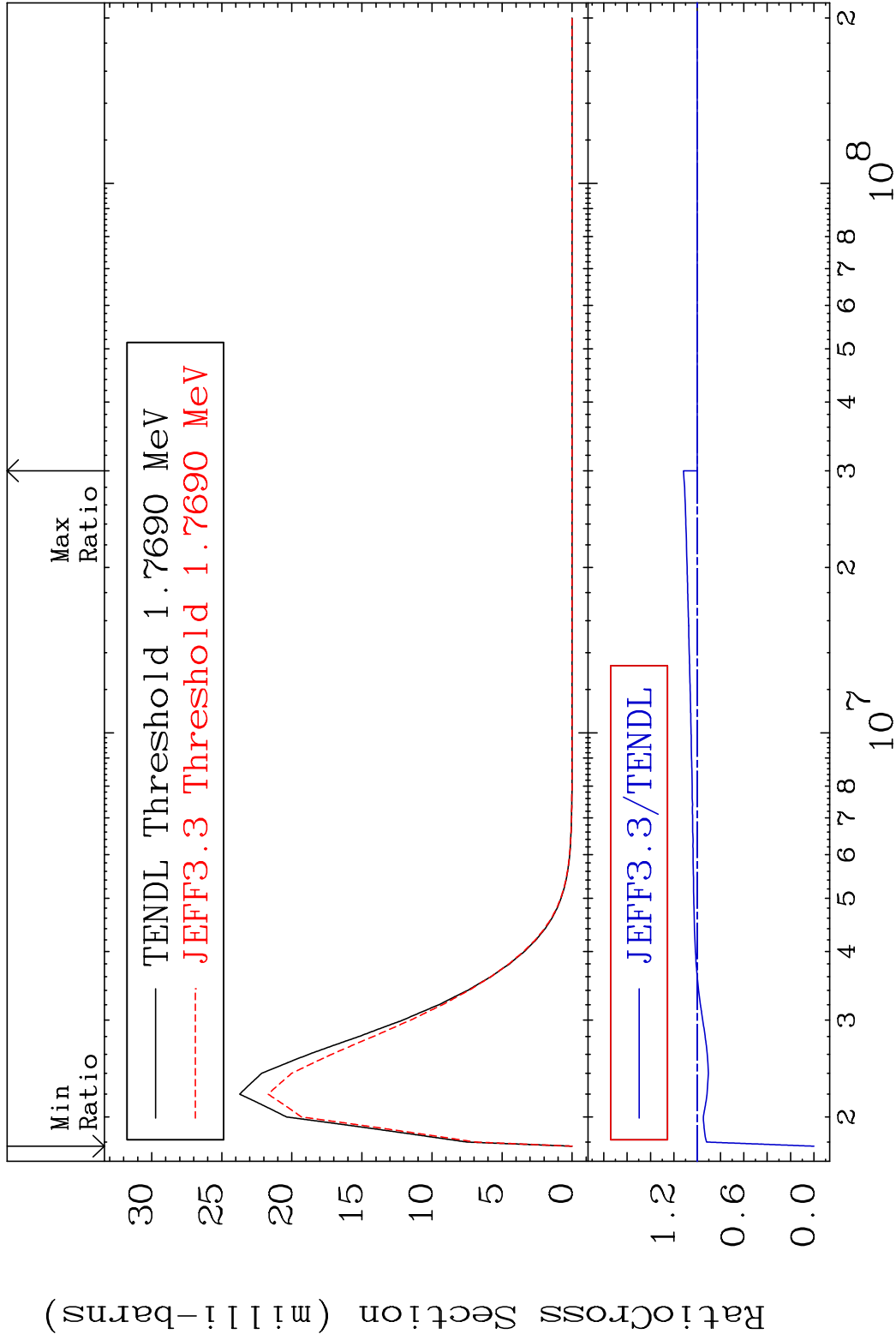
MAT 8031 MT= 59 (n, n') Level 80-Hg-198  
 Cross Section 0.000 To 16.60 %



MAT 8031 MT= 60 (n, n') Level 80-Hg-198  
 Cross Section 0.000 To 20.58 %

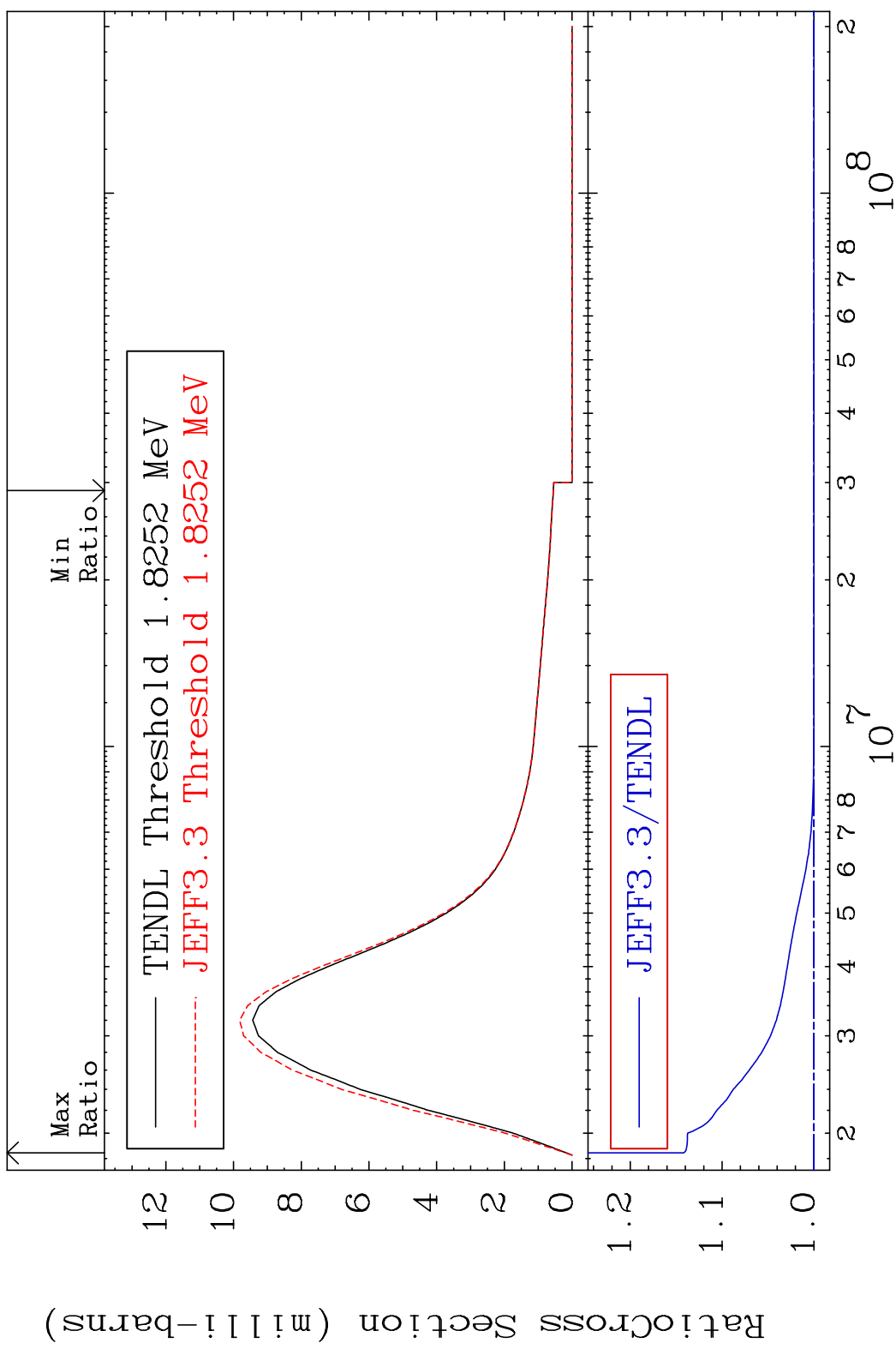


MAT 8031 MT= 61 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 11.75 %



30 80-Hg-198

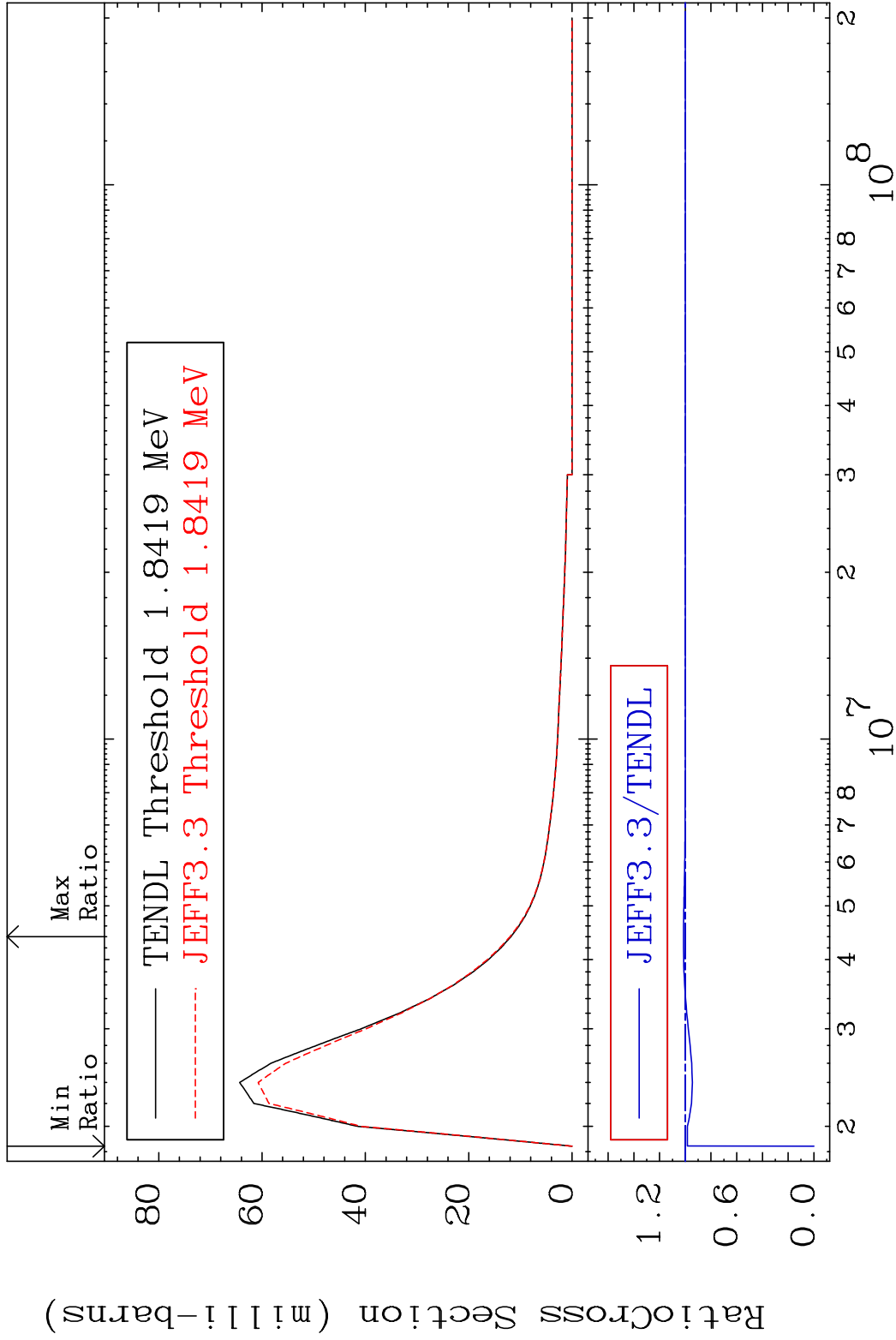
MAT 8031 MT= 62 (n, n') Level 80-Hg-198  
 Cross Section 0.000 To 14.21 %



31 Incident Energy (eV) 80-Hg-198

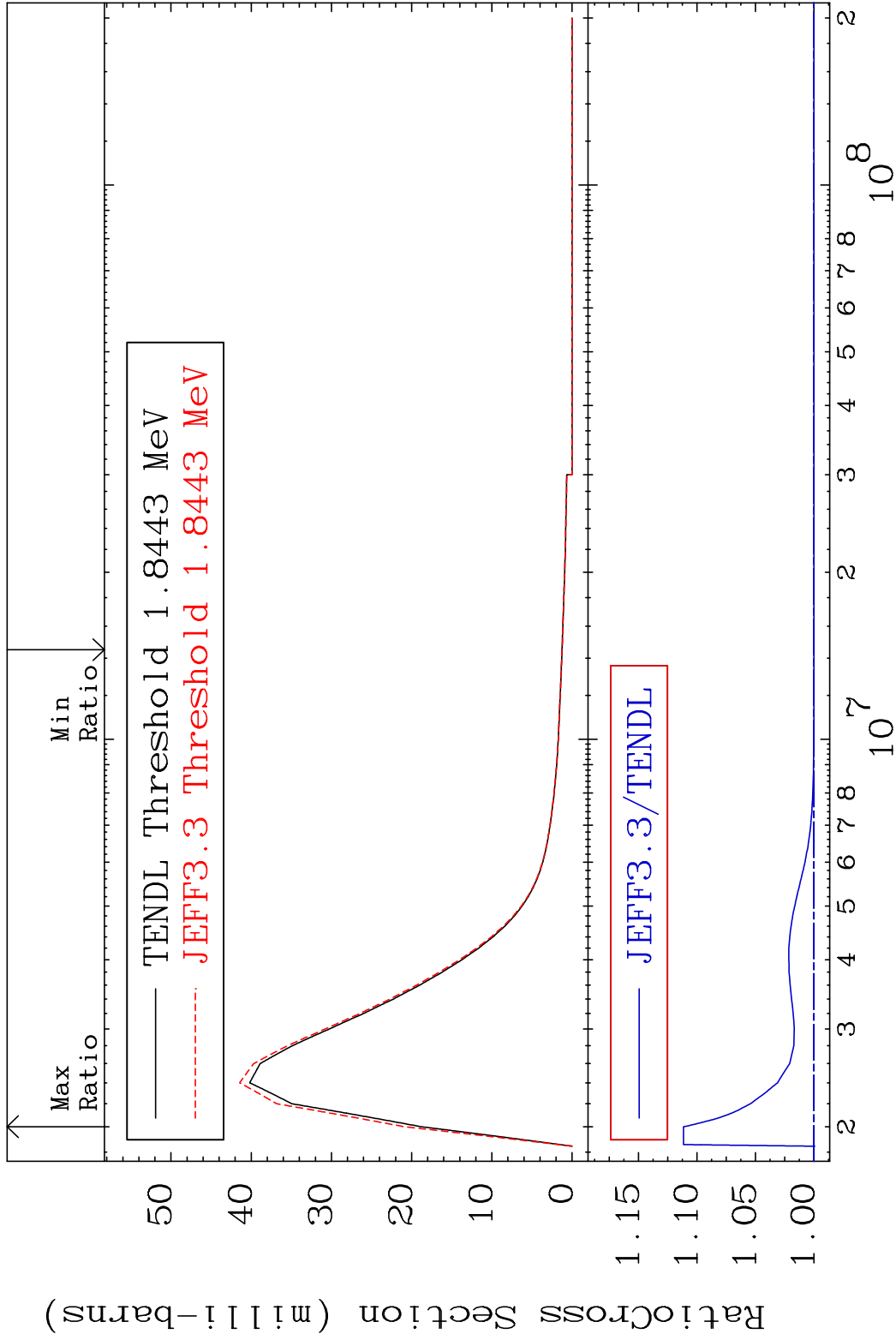


MAT 8031 MT= 63 (n, n') Level 80-Hg-198  
 Cross Section -100.0 To 1.432 %



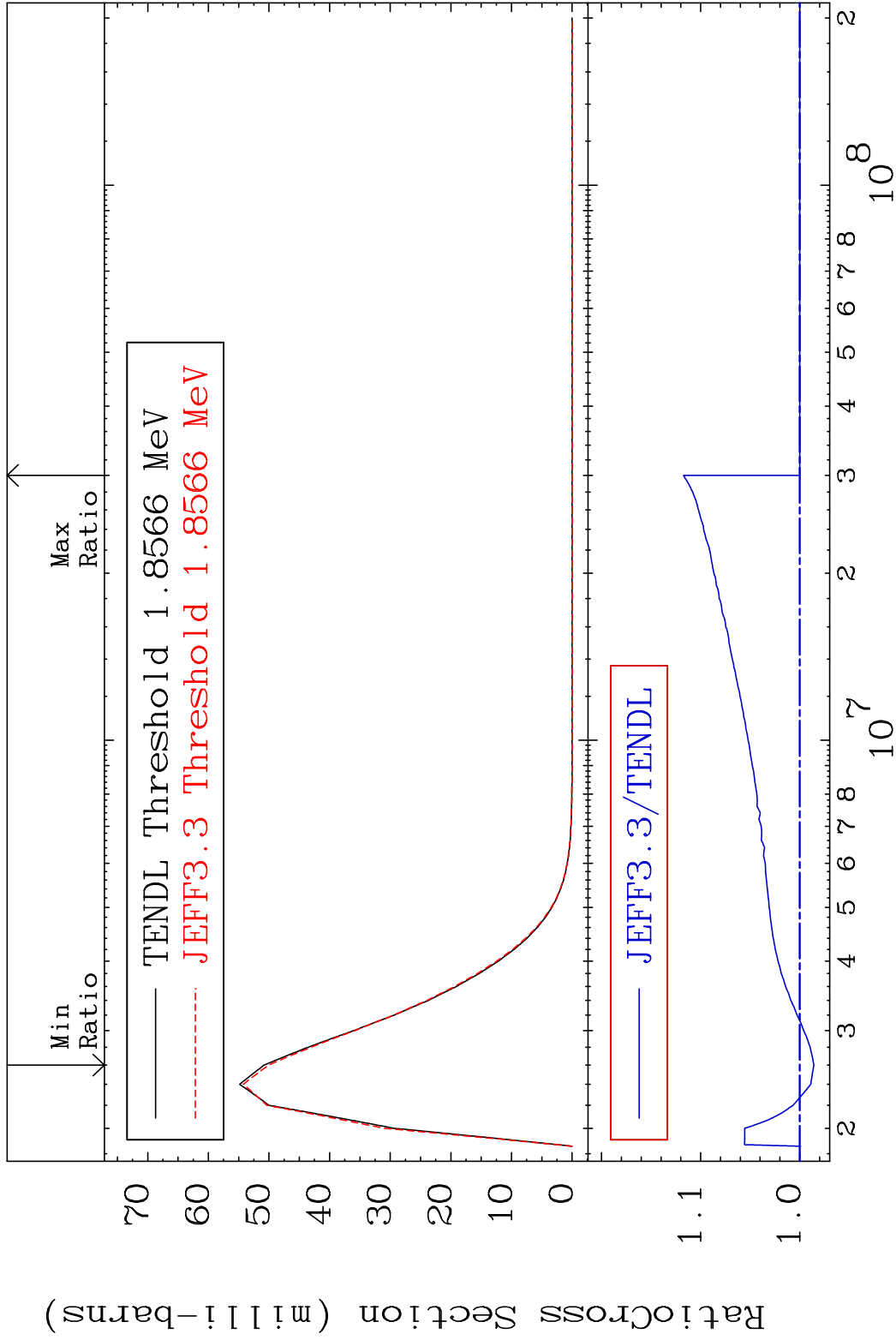
32 80-Hg-198

MAT 8031 MT= 64 (n, n') Level 80-Hg-198  
 Cross Section 0.000 To 11.16 %

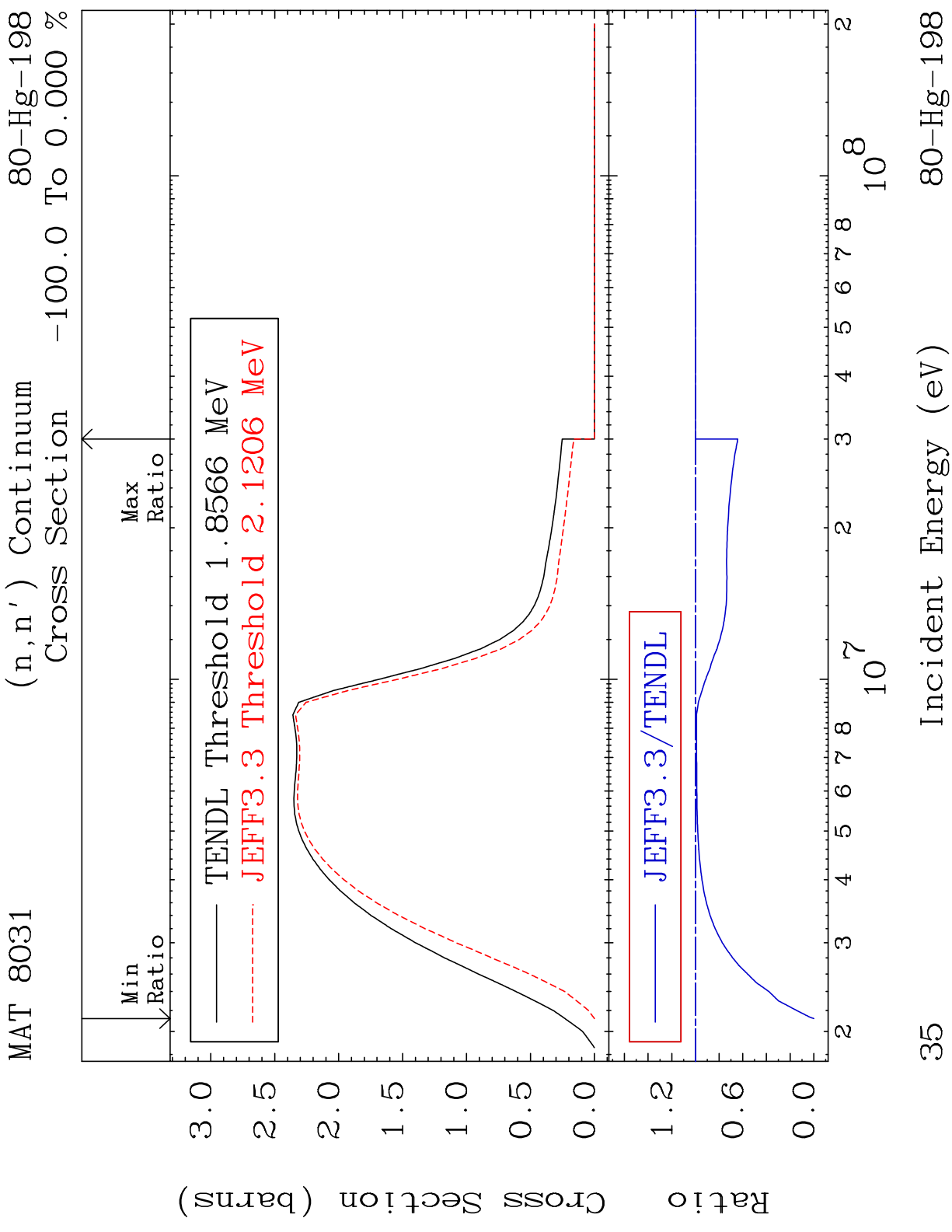


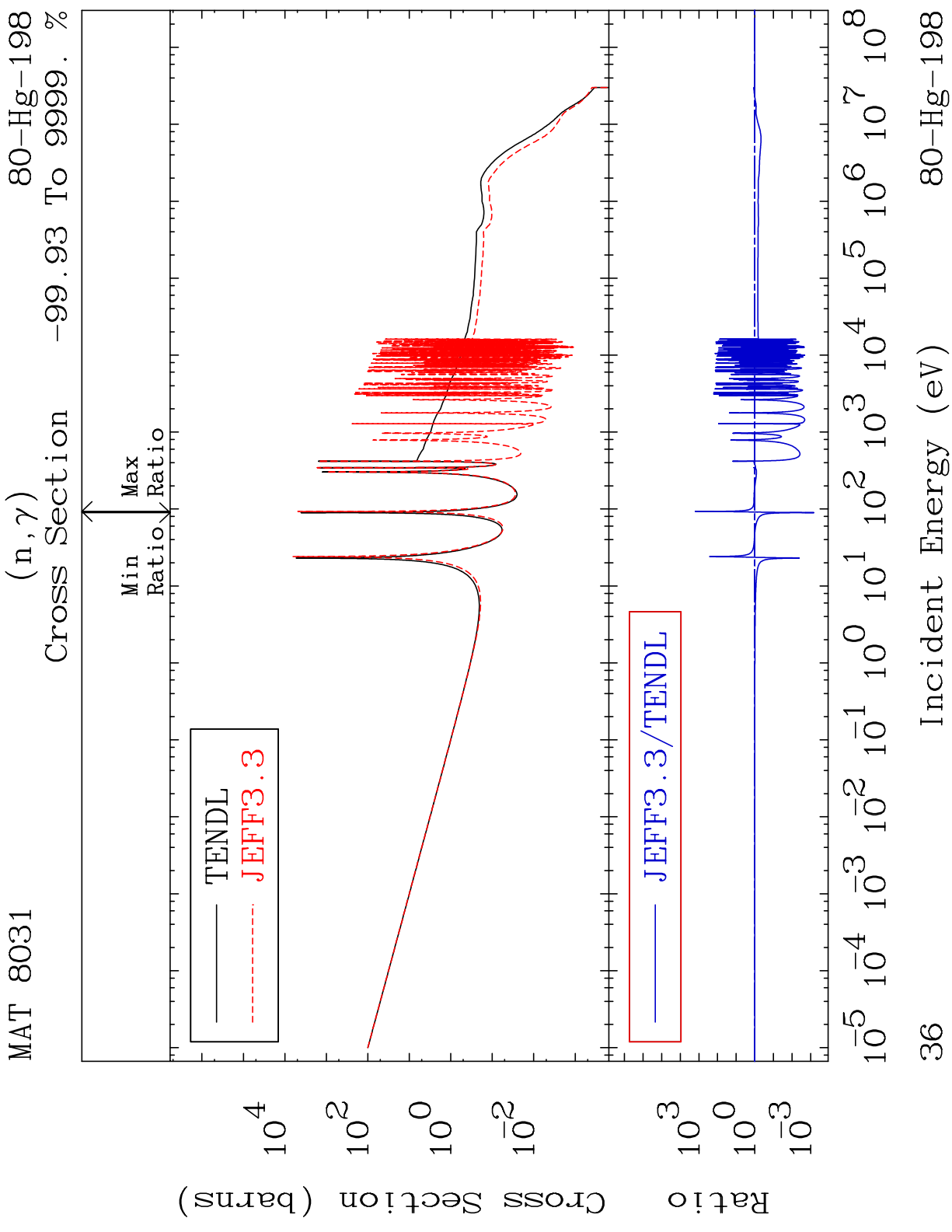
33 Incident Energy (eV) 80-Hg-198

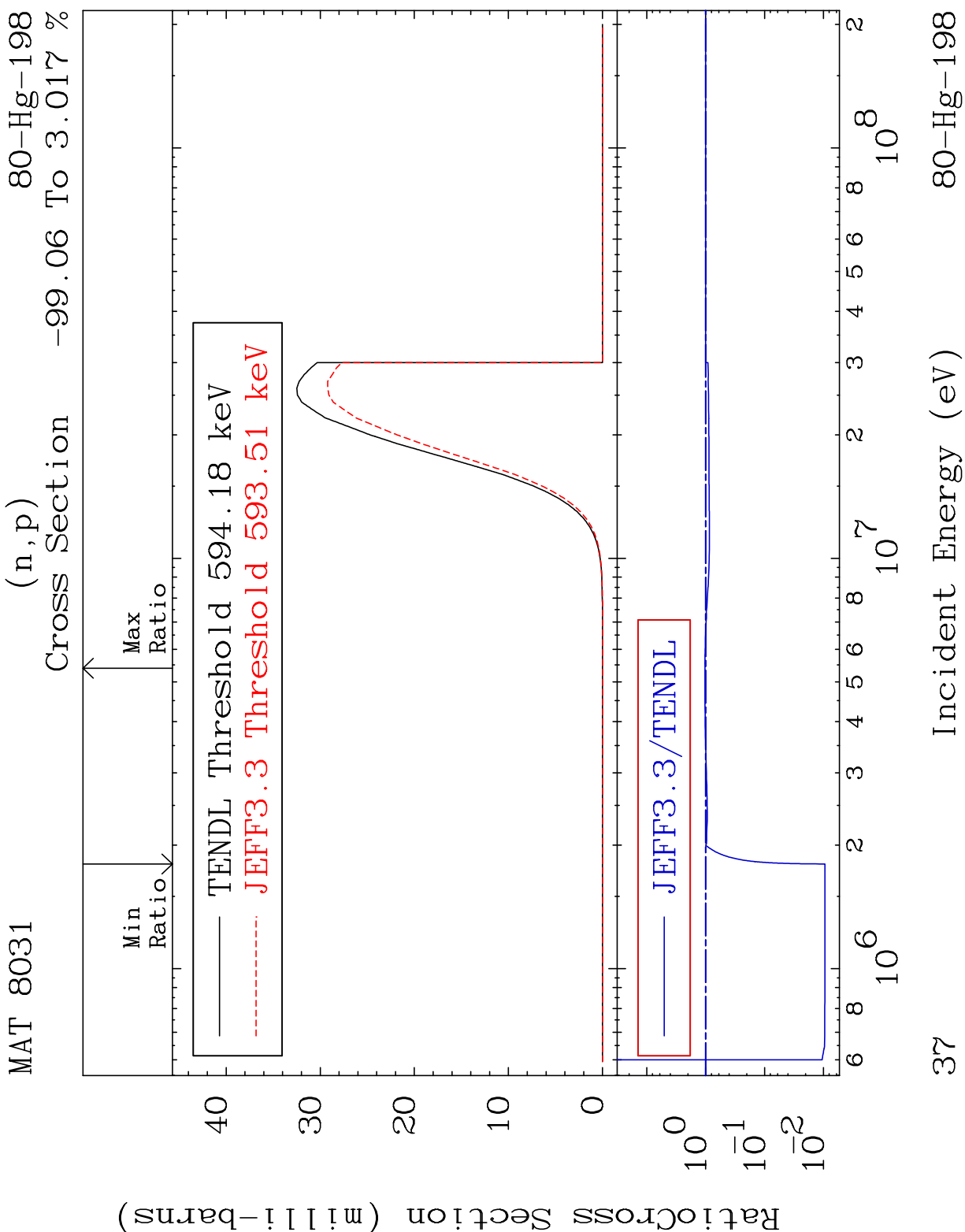
MAT 8031 MT= 65 (n, n') Level 80-Hg-198  
 Cross Section -1.426 To 11.74 %

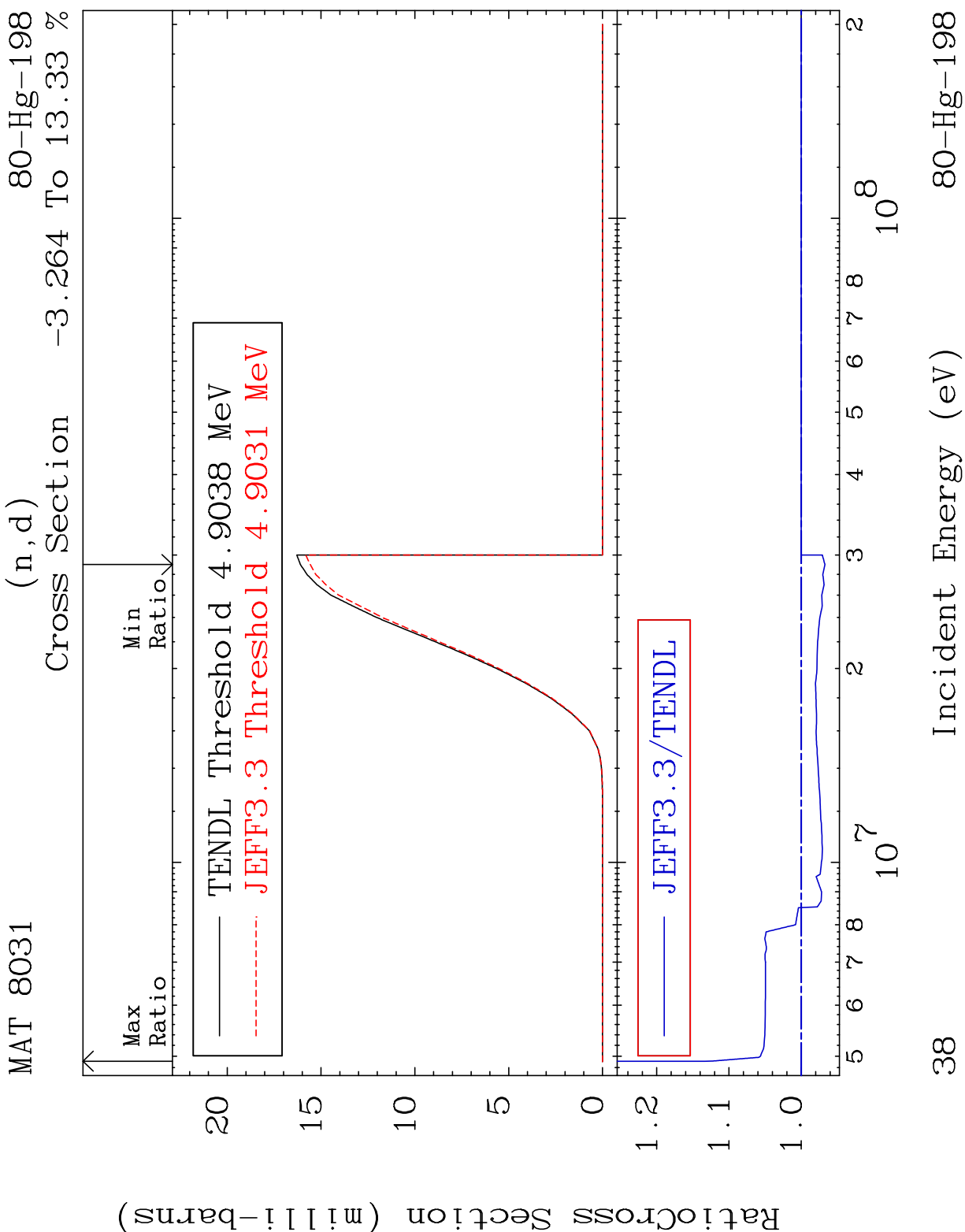


34 Incident Energy (eV) 80-Hg-198

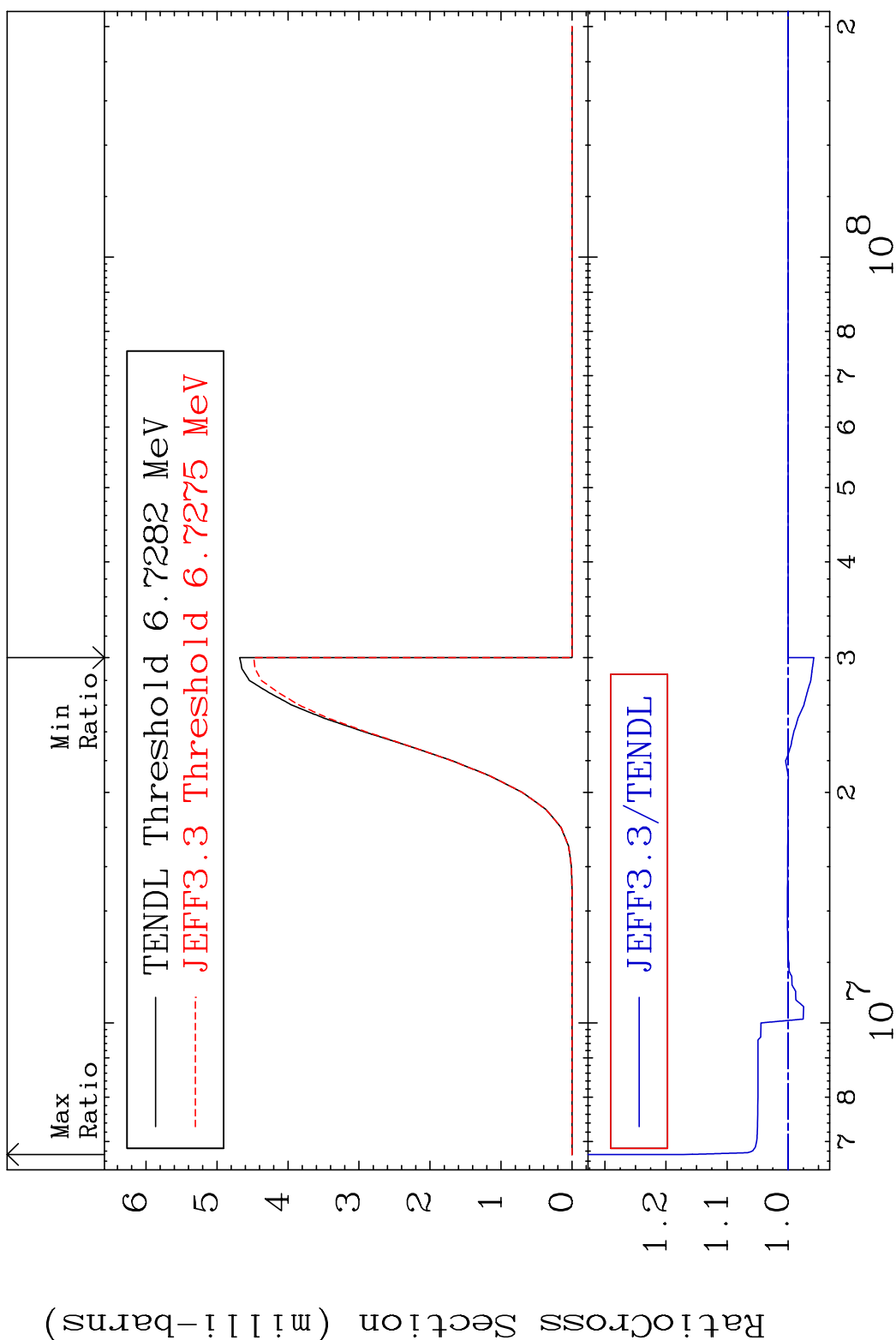








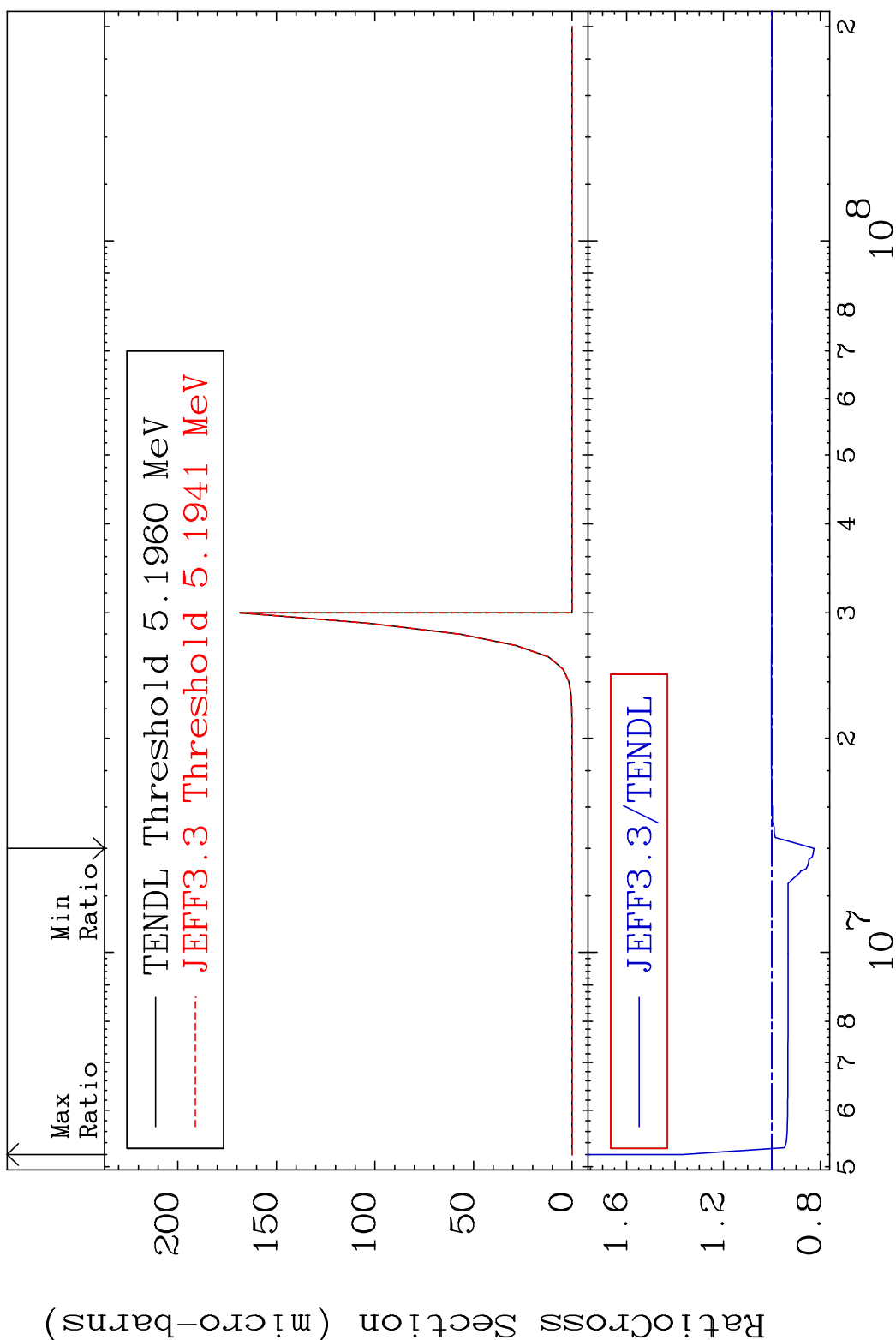
MAT 8031 (n, t) 80-Hg-198  
 Cross Section -4.227 To 17.14 %



39 Incident Energy (eV) 80-Hg-198

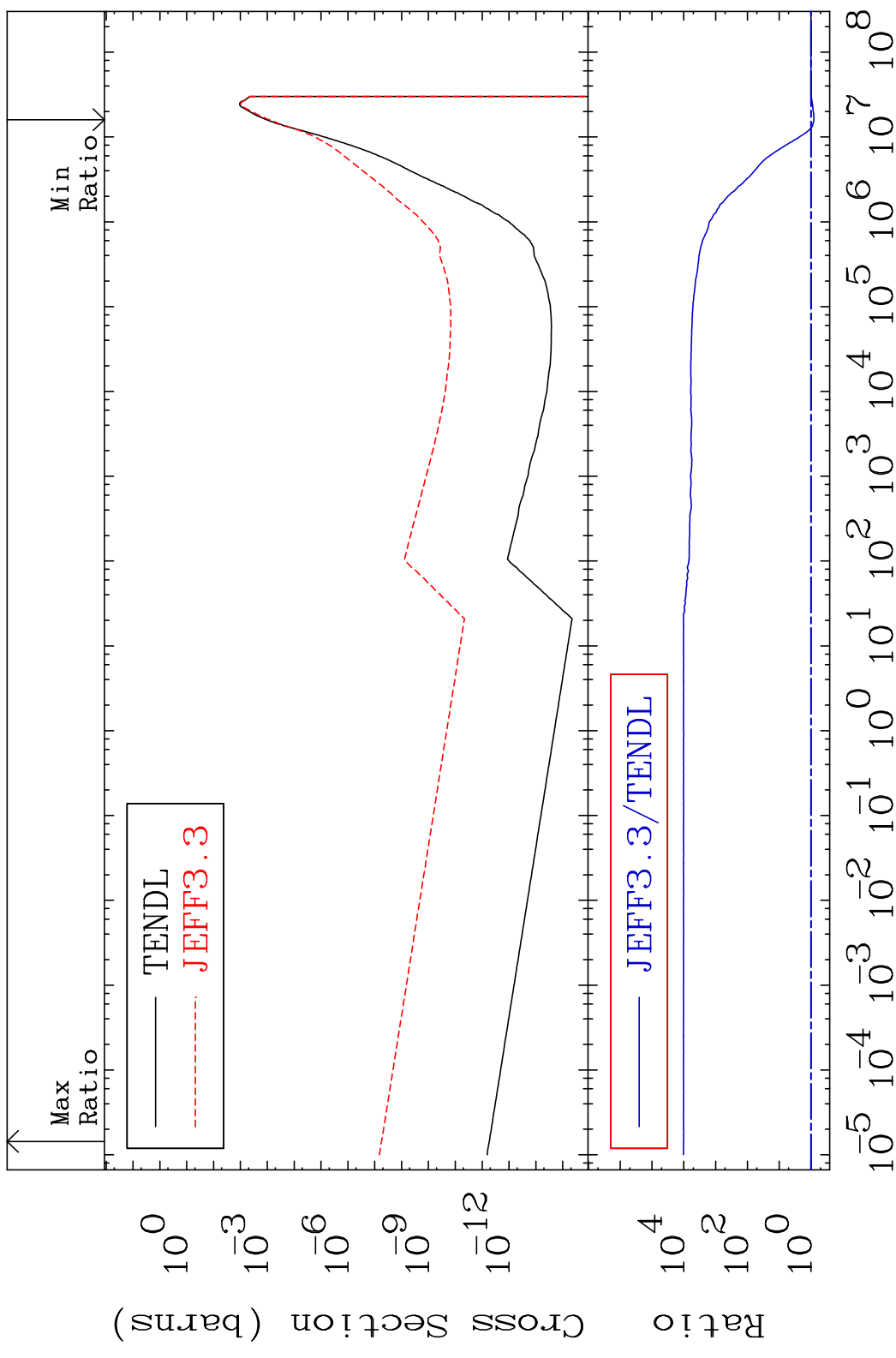


MAT 8031 (n, He-3) 80-Hg-198  
 Cross Section -17.37 To 36.54 %

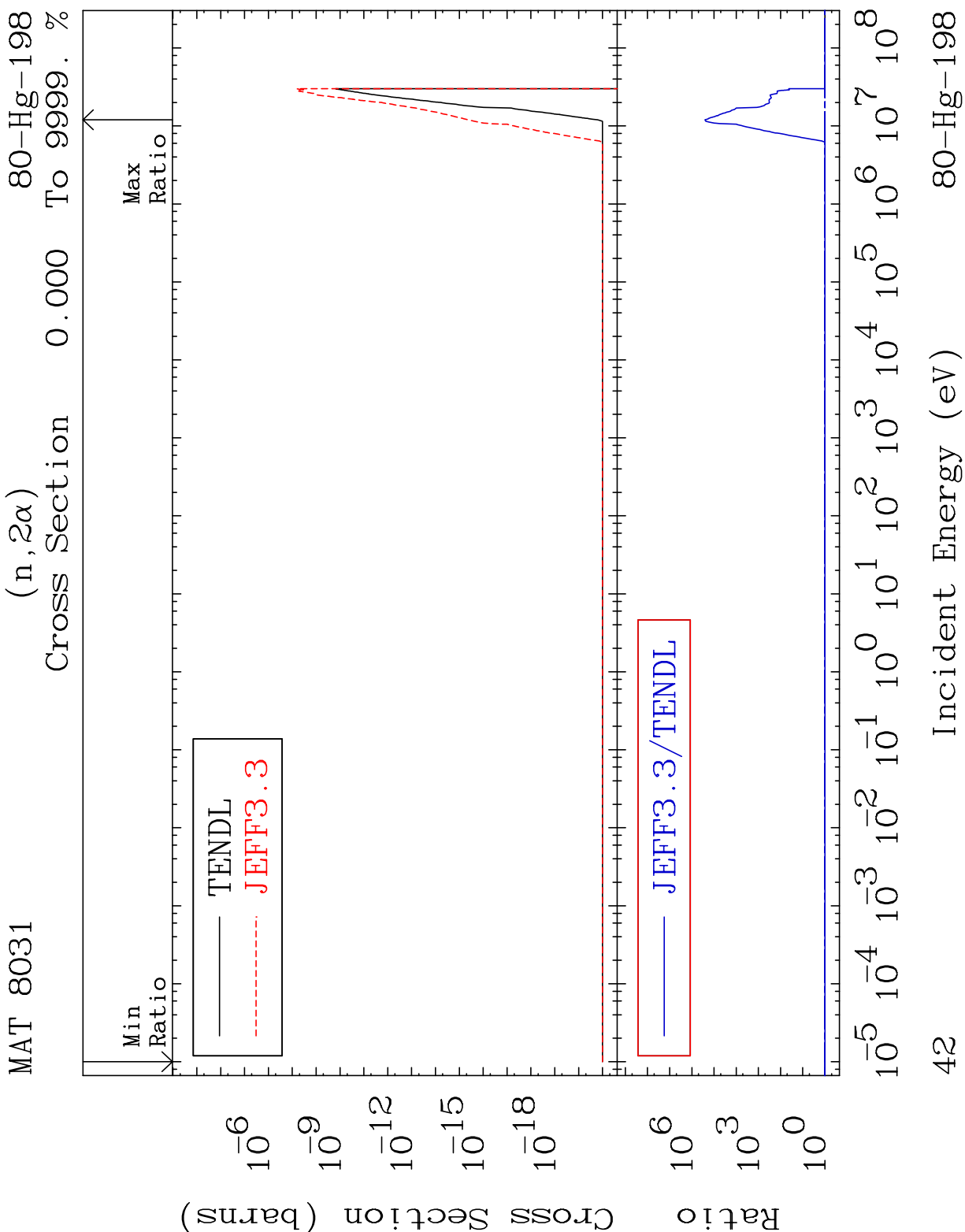


40 Incident Energy (eV) 80-Hg-198

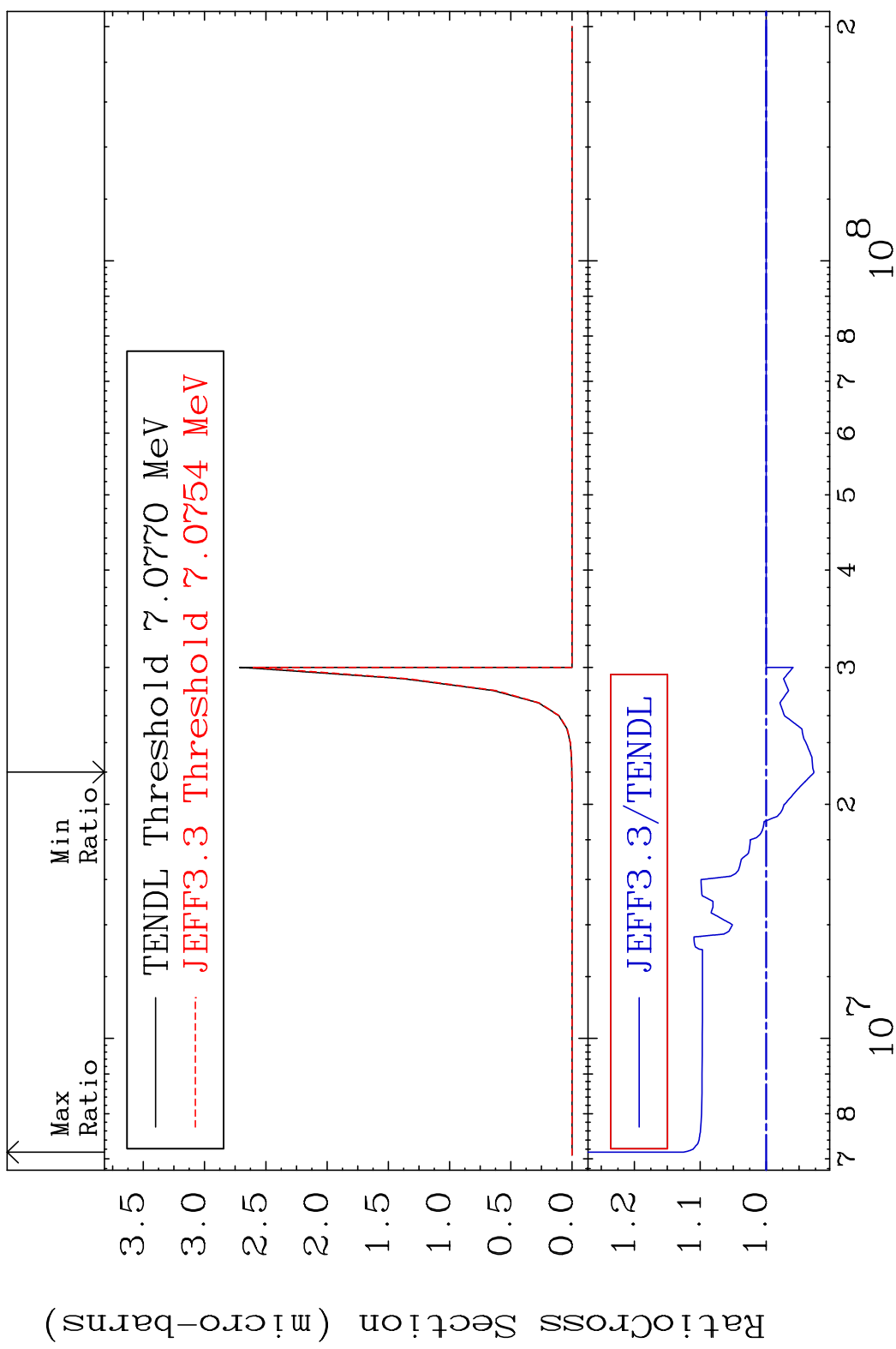
MAT 8031 (n,  $\alpha$ ) 80-Hg-198  
 Cross Section -19.51 To 9999. %



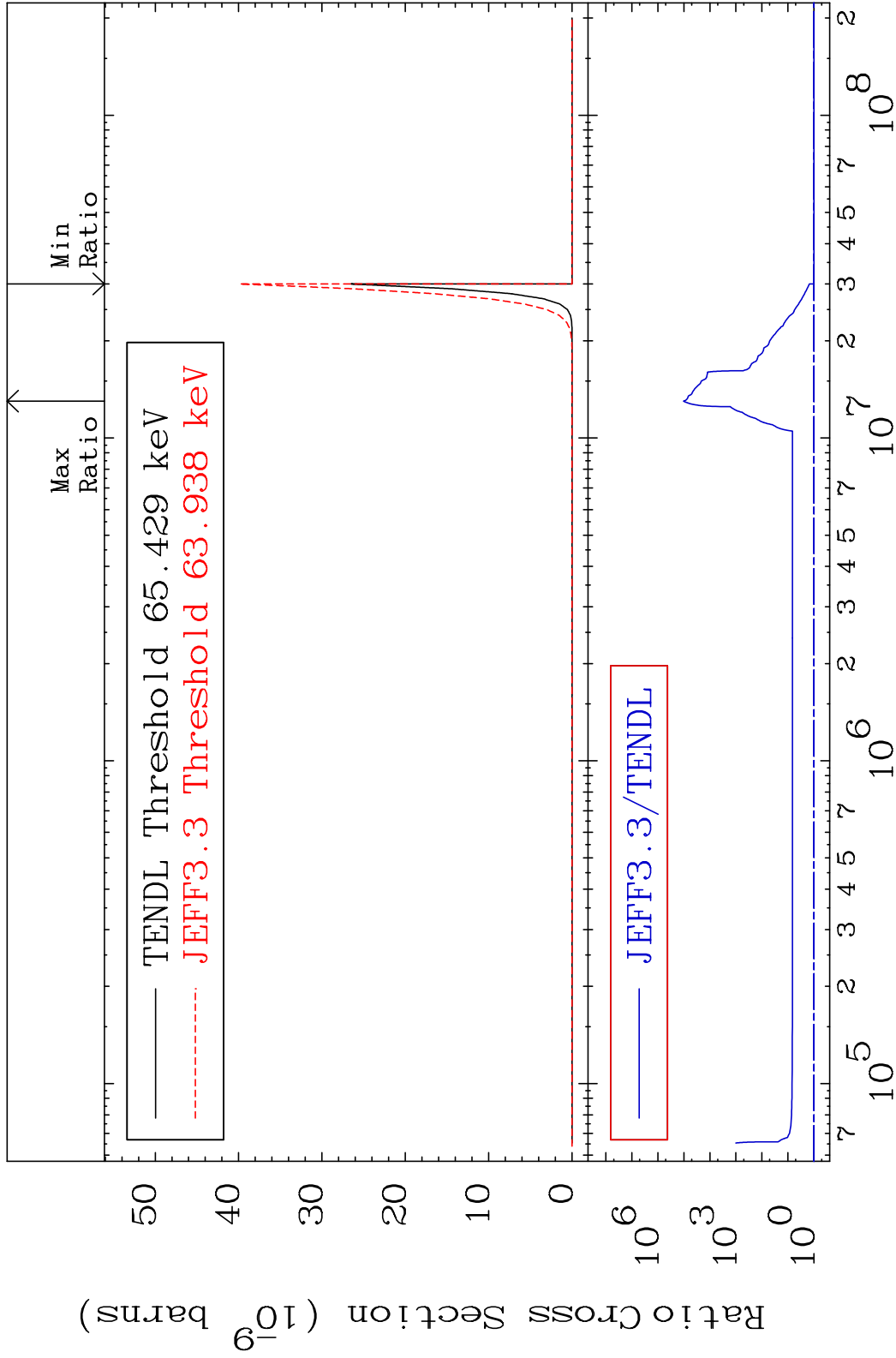
41 Incident Energy (eV) 80-Hg-198



MAT 8031 (n,2p) 80-Hg-198  
 Cross Section -7.241 To 12.54 %

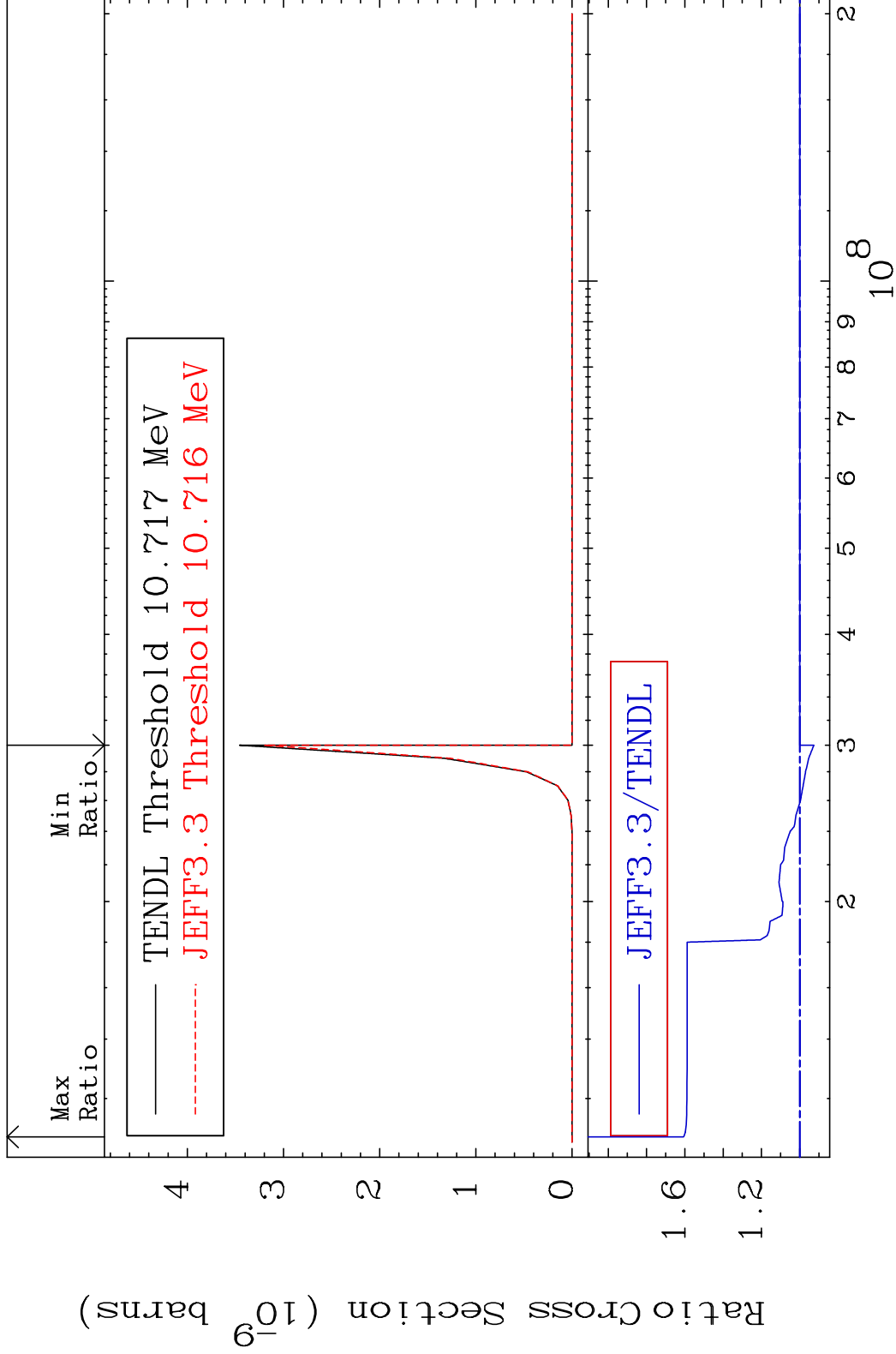


43 Incident Energy (eV) 80-Hg-198



MAT 8031

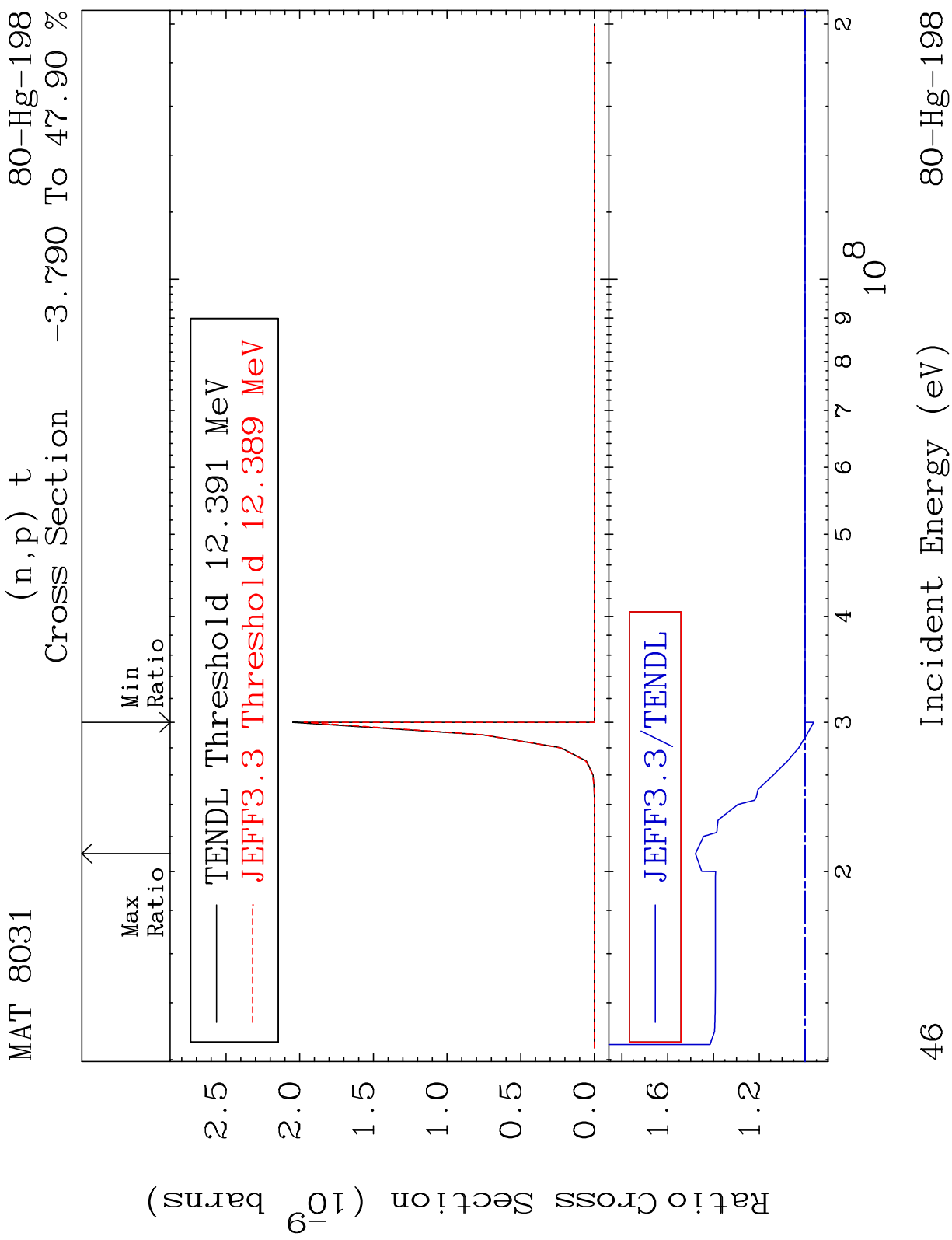
(n,p) d 80-Hg-198  
Cross Section -7.382 To 60.72 %



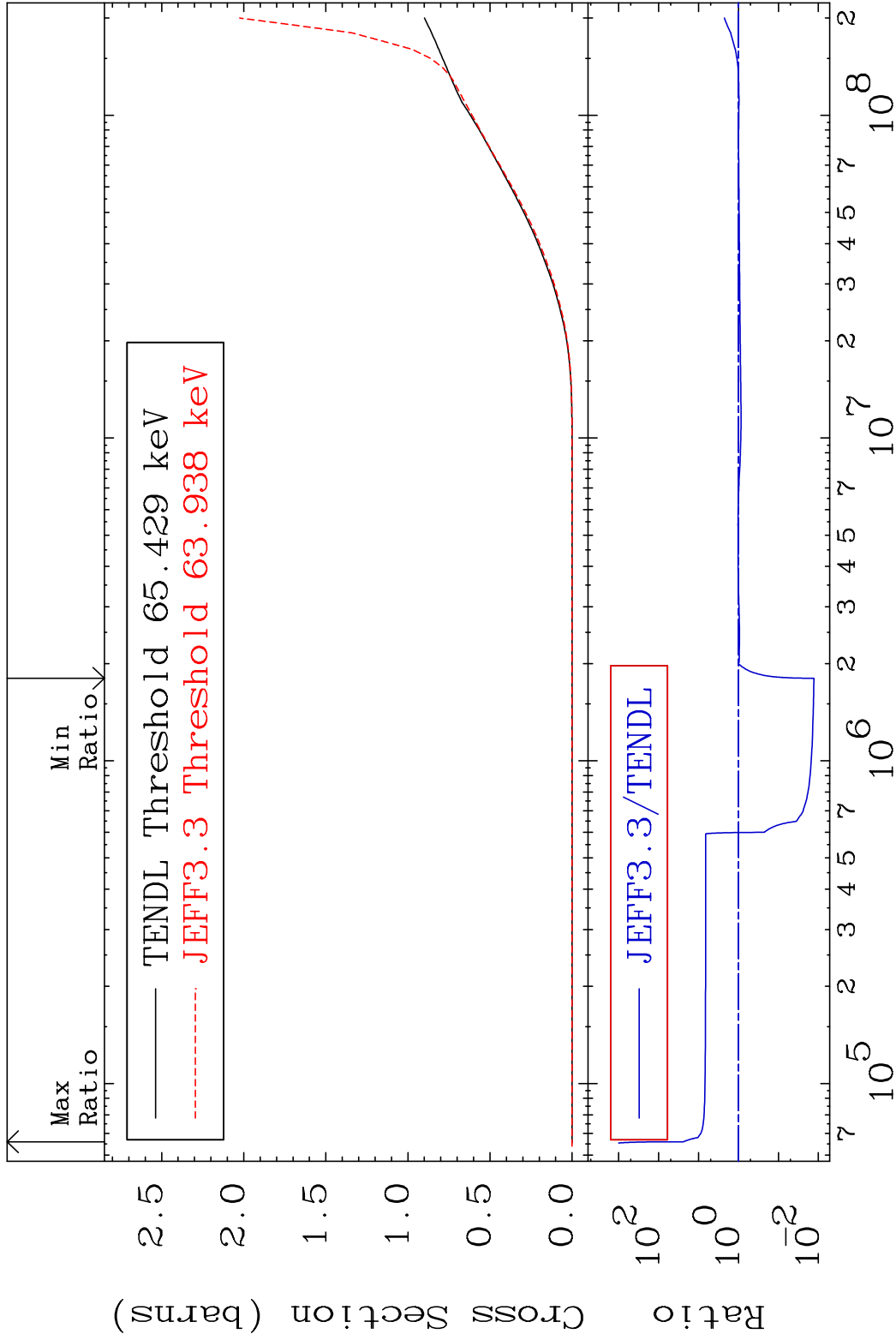
45

Incident Energy (eV)

80-Hg-198



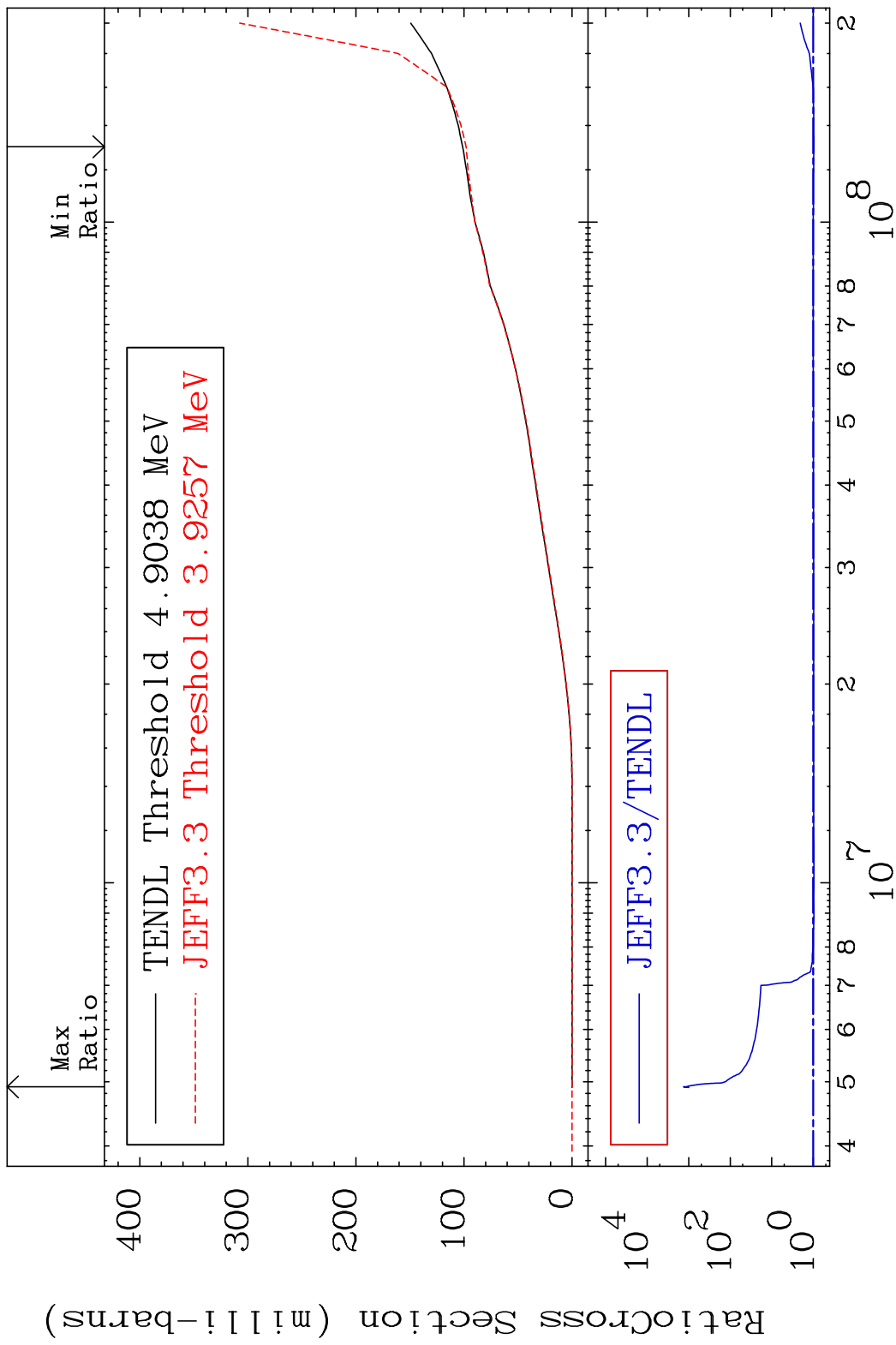
MAT 8031 Hydrogen Production 80-Hg-198  
 Cross Section -98.70 To 2287. %



47 Incident Energy (eV) 80-Hg-198



MAT 8031 Deuterium Production 80-Hg-198  
 Cross Section -3.096 To 9999. %



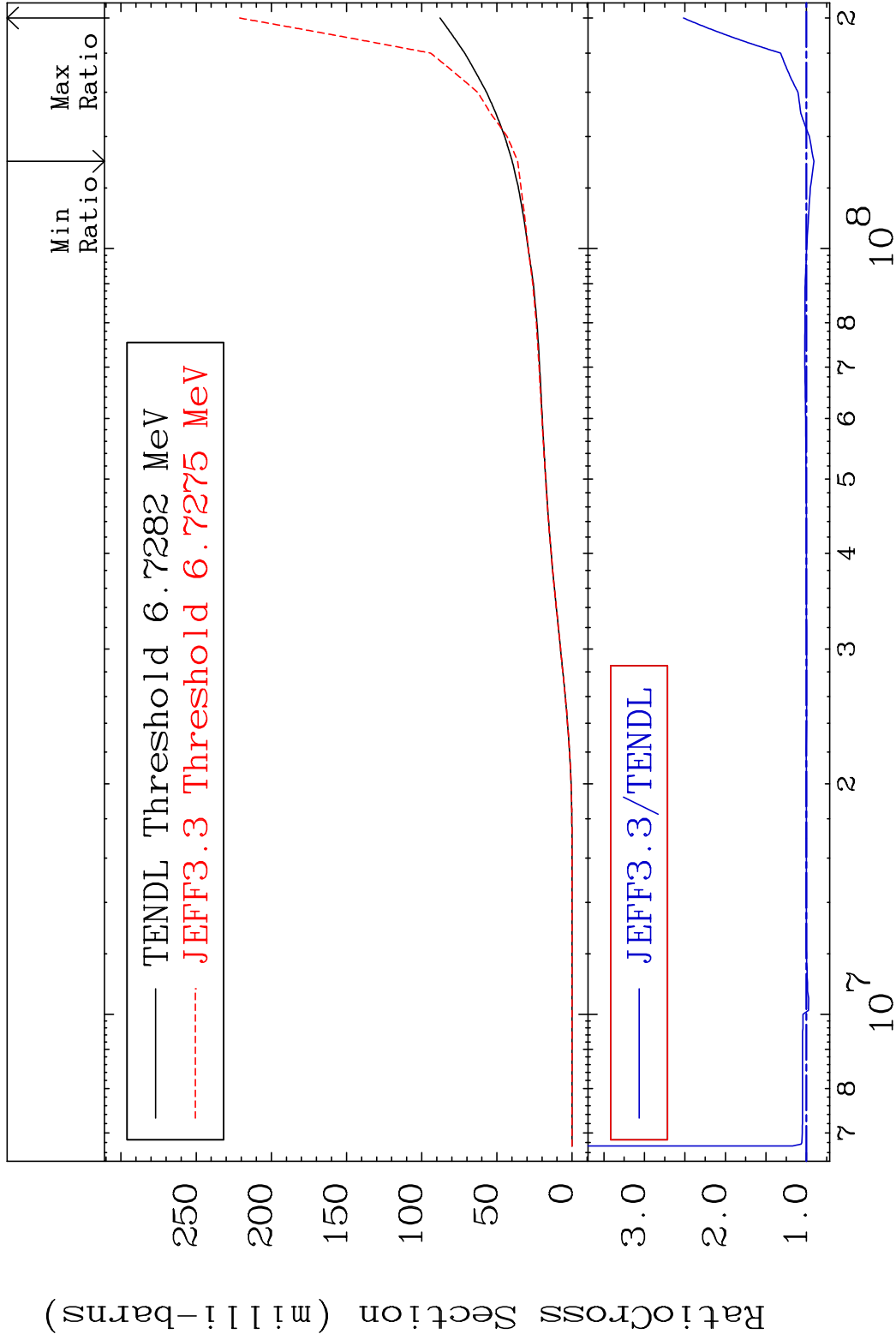
48 Incident Energy (eV) 80-Hg-198

MAT 8031

Tritium Production

80-Hg-198

Cross Section -9.130 To 151.8 %



49

Incident Energy (eV)

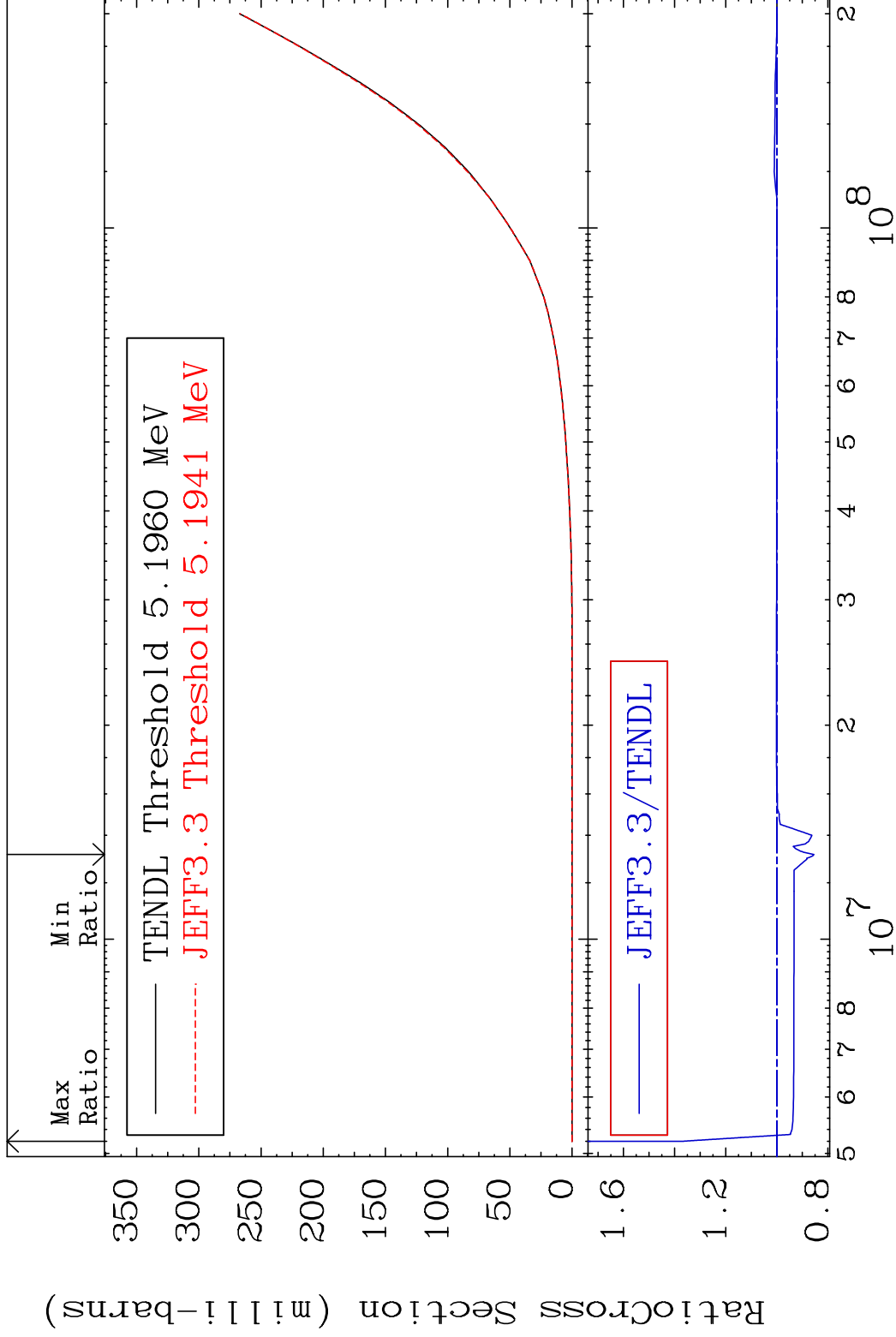
80-Hg-198

MAT 8031

He-3 Production

80-Hg-198

Cross Section -14.50 To 36.54 %



50

Incident Energy (eV)

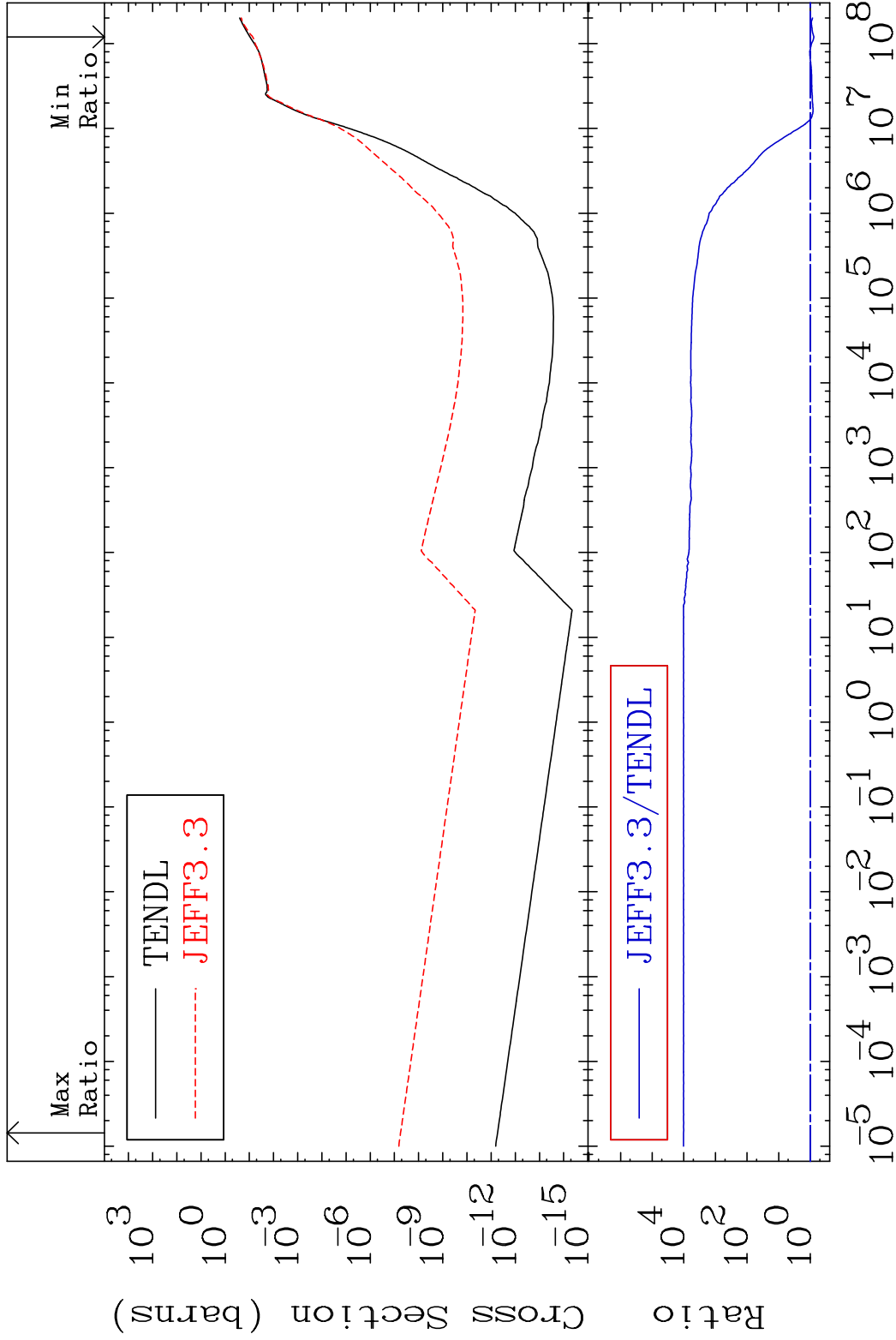
80-Hg-198

MAT 8031

He-4 Production

80-Hg-198

Cross Section -23.06 To 9999. %

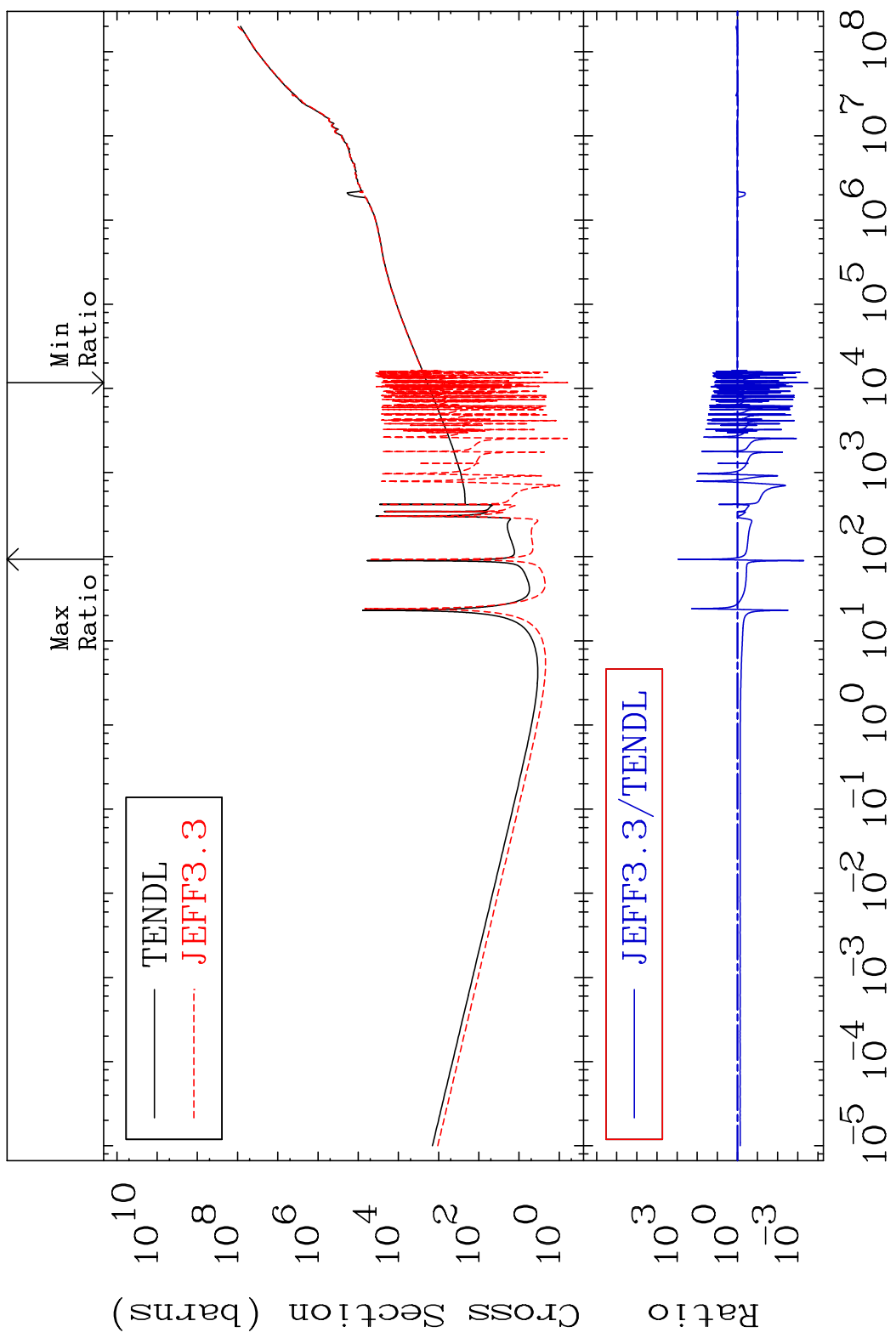


51

Incident Energy (eV)

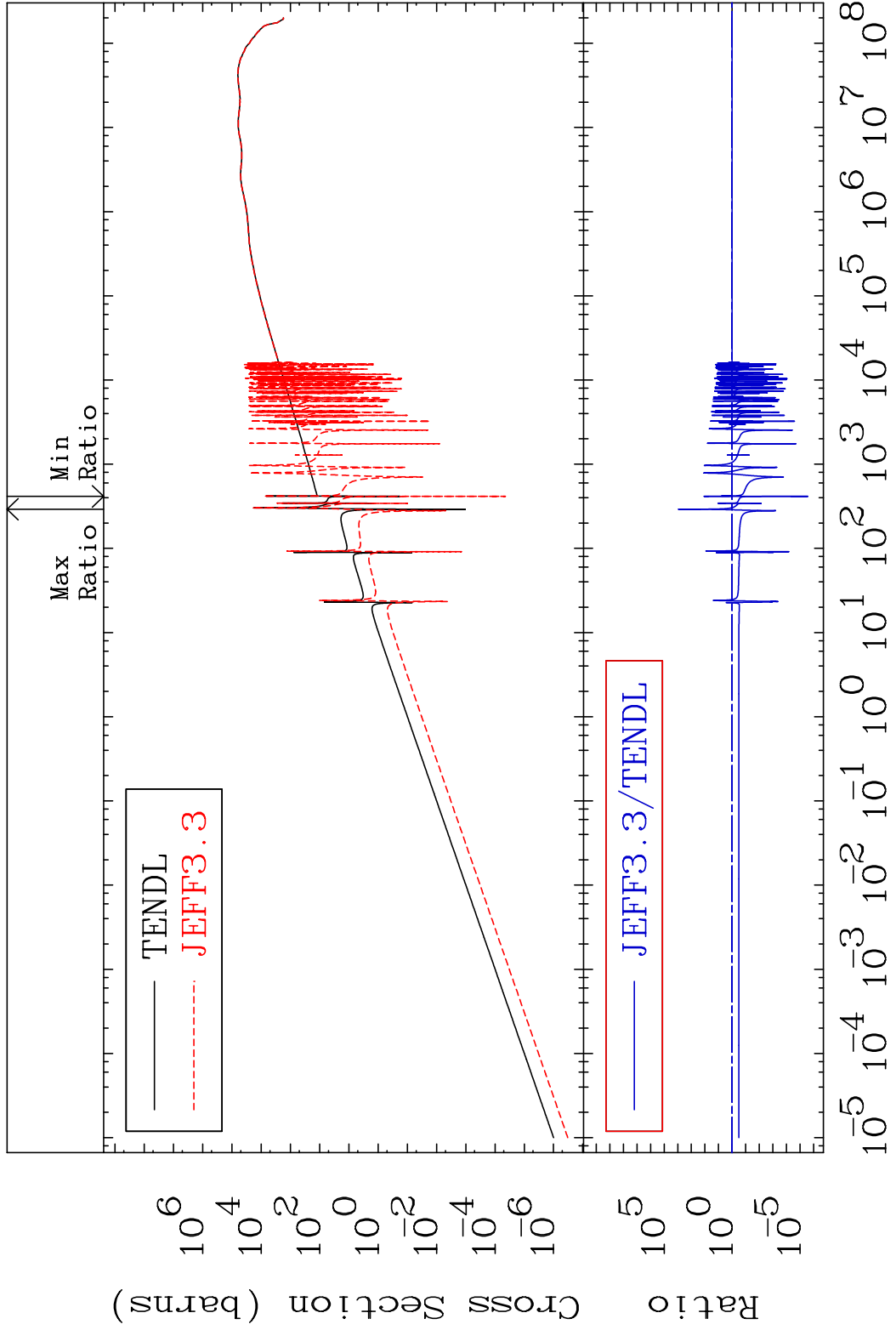
80-Hg-198

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



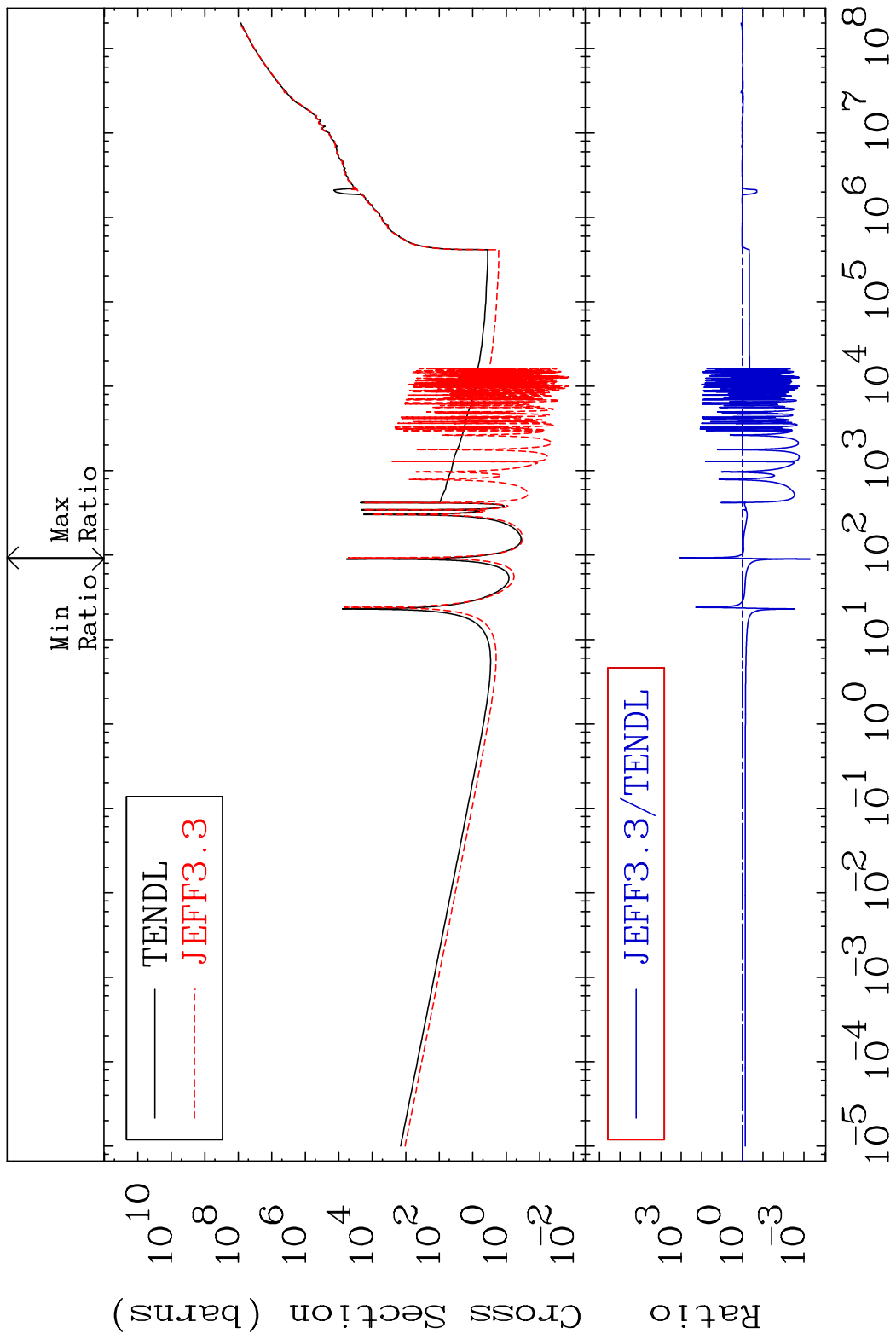
52 Incident Energy (eV) 80-Hg-198

MAT 8031 Kerma elastic 80-Hg-198  
 Cross Section -100.0 To 9999. %



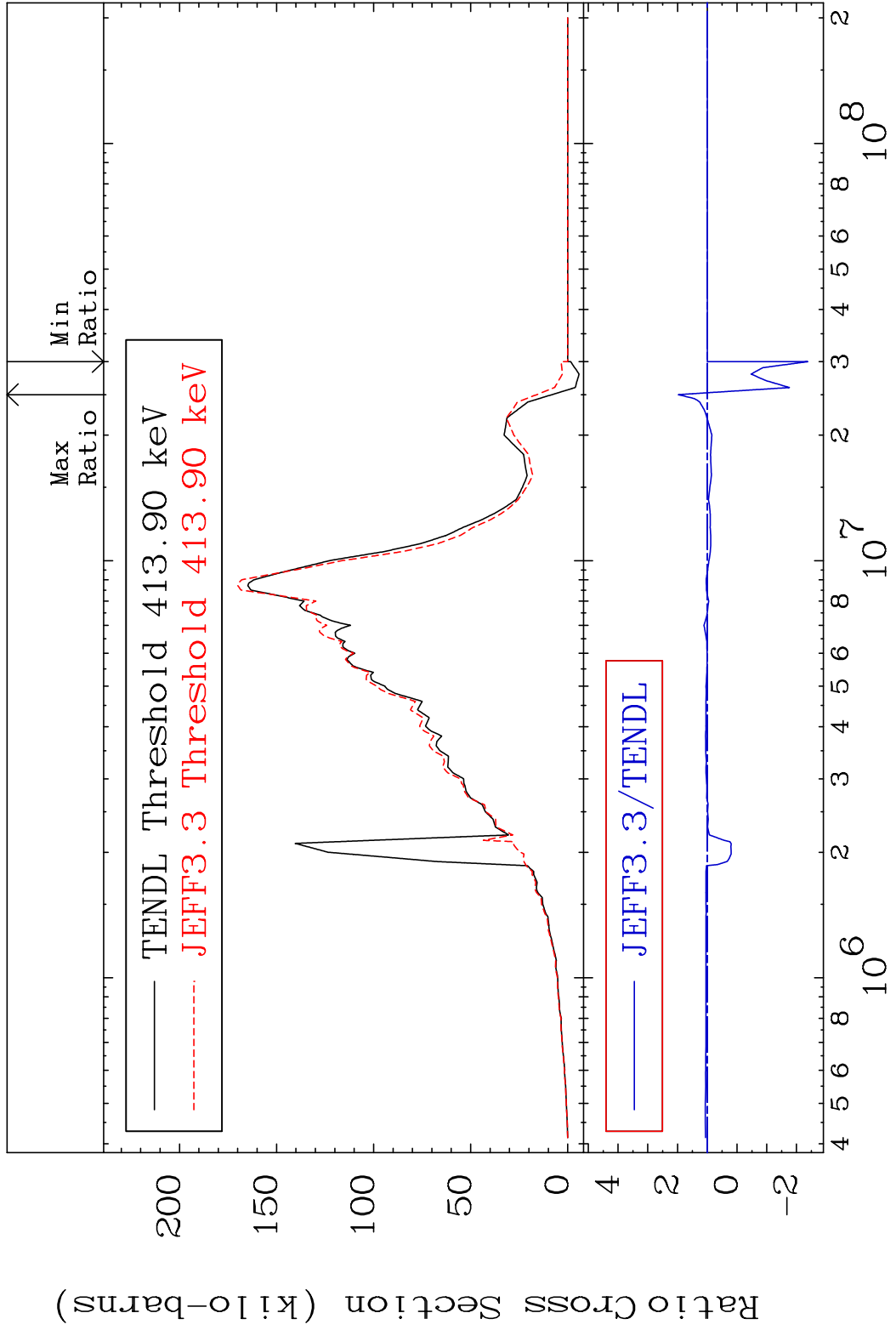
53 Incident Energy (eV) 80-Hg-198

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



54 Incident Energy (eV) 80-Hg-198

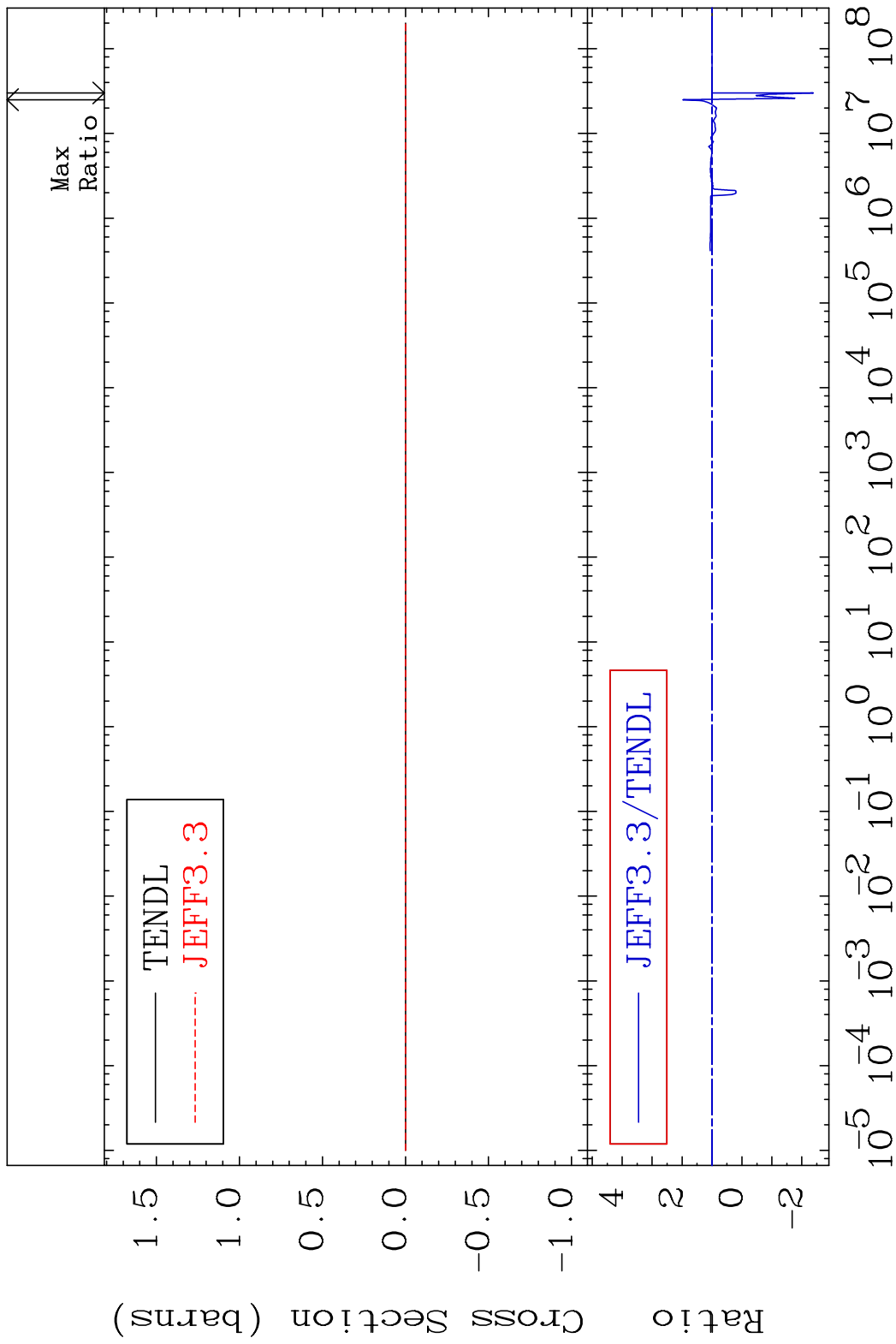
MAT 8031 Kerma inelastic (mt51-91) 80-Hg-198  
 Cross Section -337.6 To 97.51 %



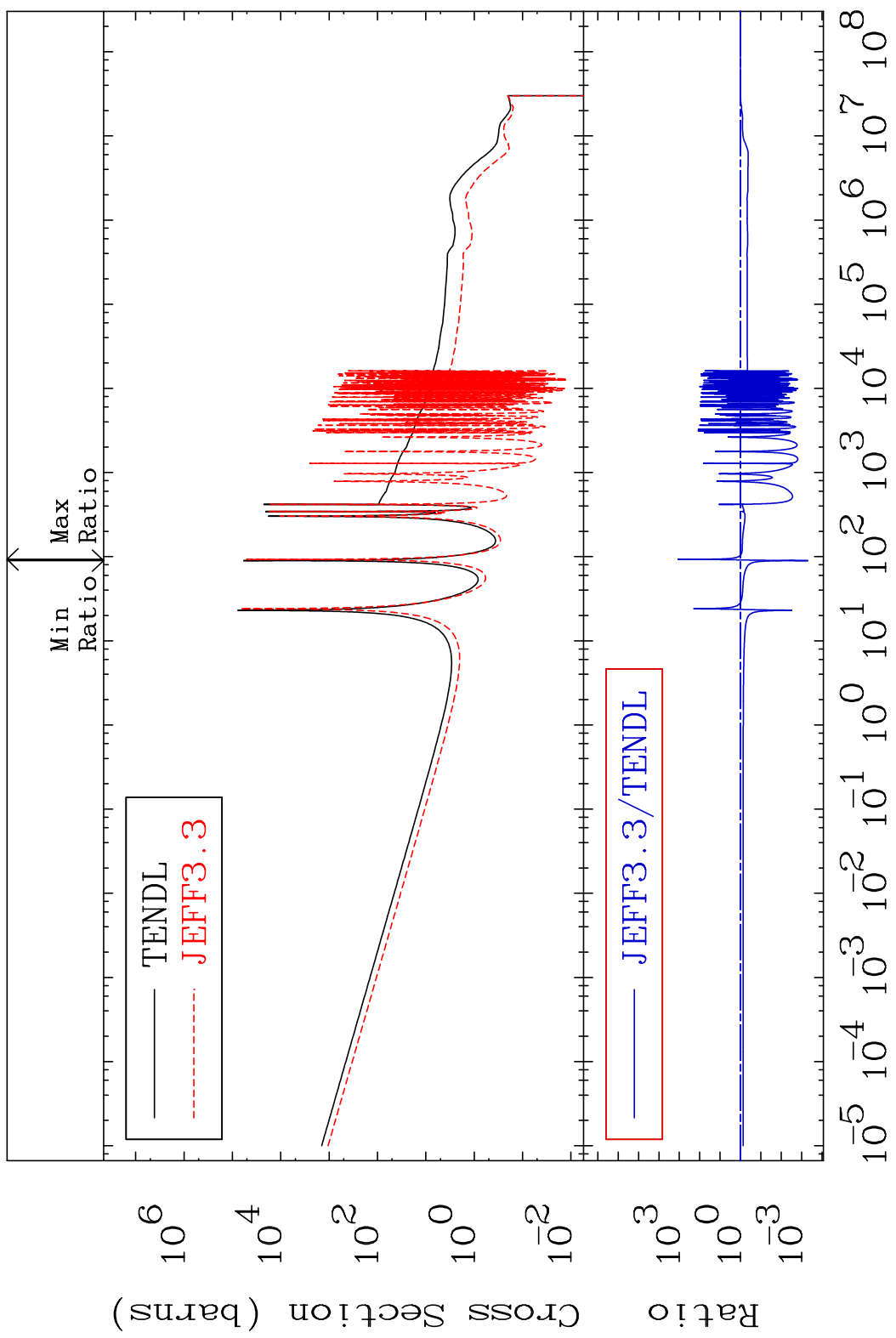
55 80-Hg-198



MAT 8031 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-198  
 Cross Section -337.6 To 97.51 %

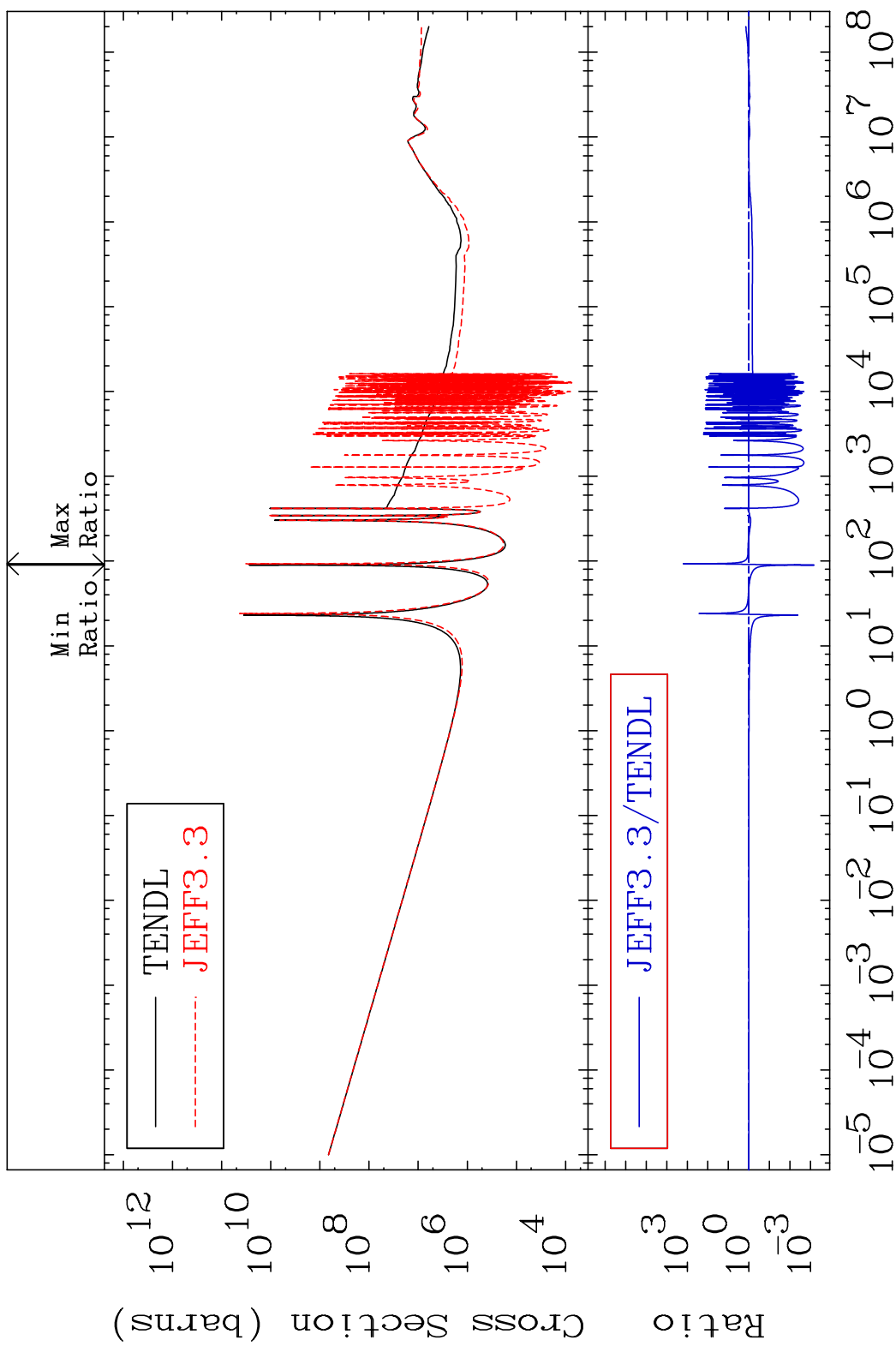


MAT 8031 Kerma capture (mt102) 80-Hg-198  
 Cross Section -99.95 To 9999. %



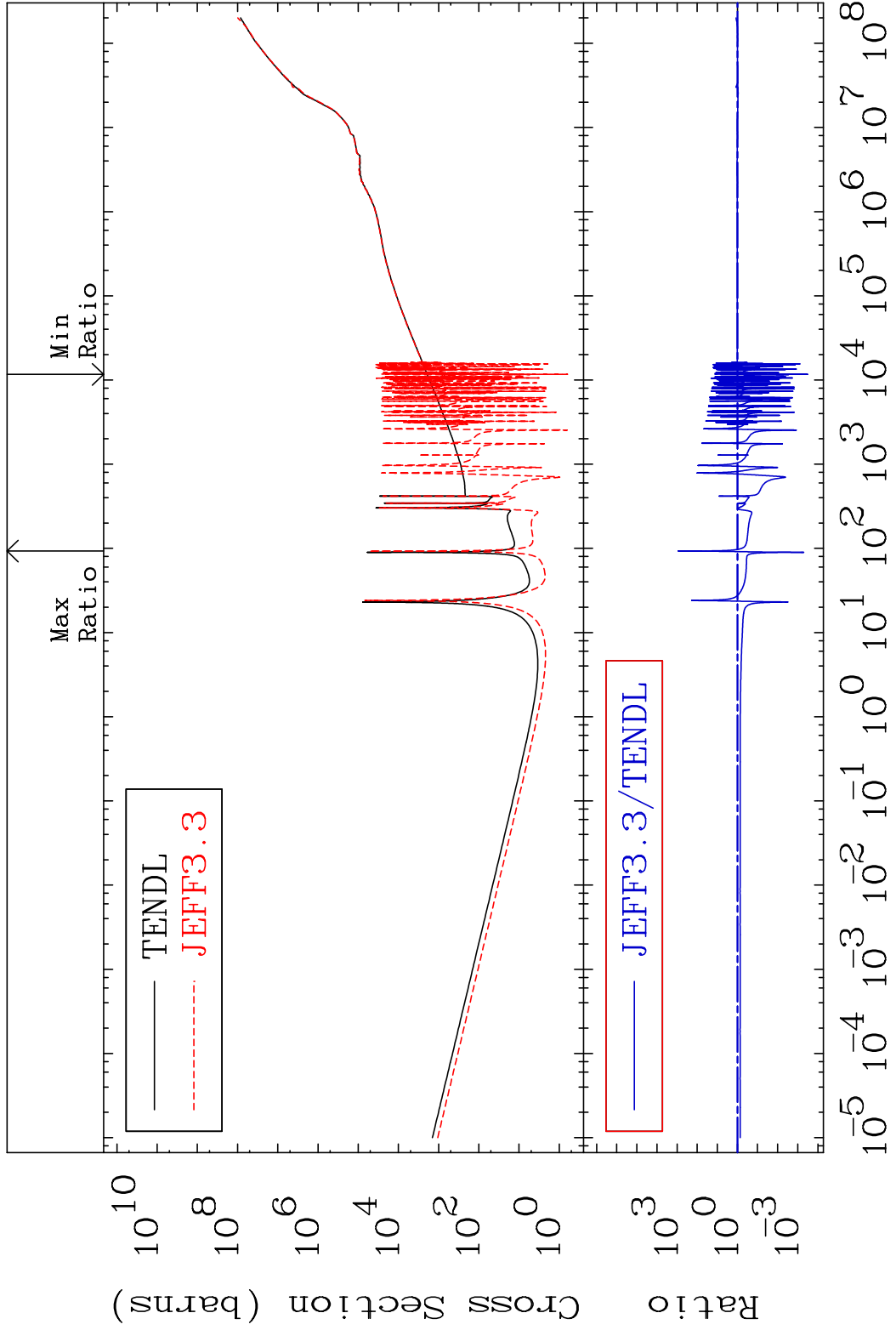
57 Incident Energy (eV) 80-Hg-198

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



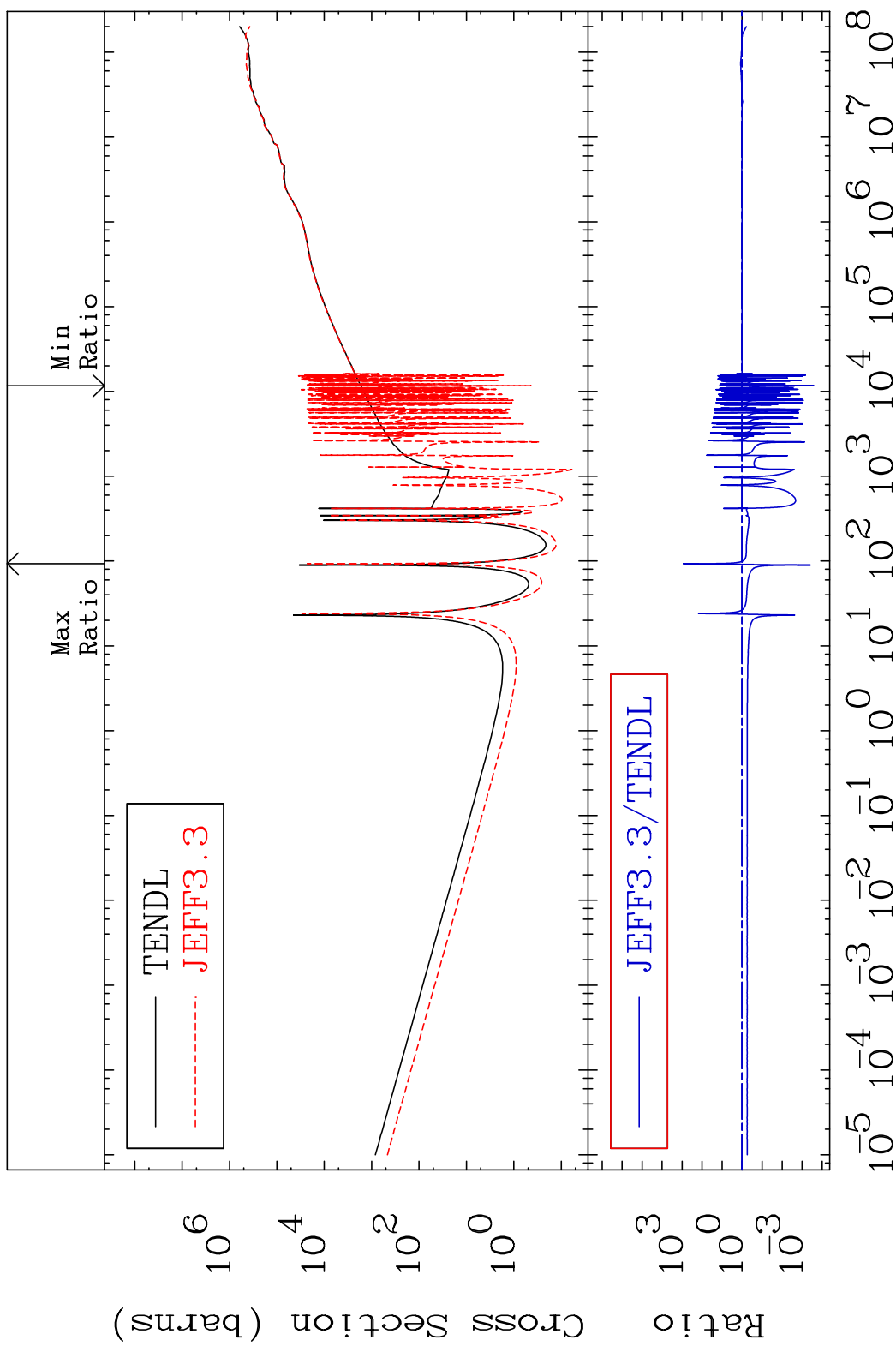
58 Incident Energy (eV) 80-Hg-198

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



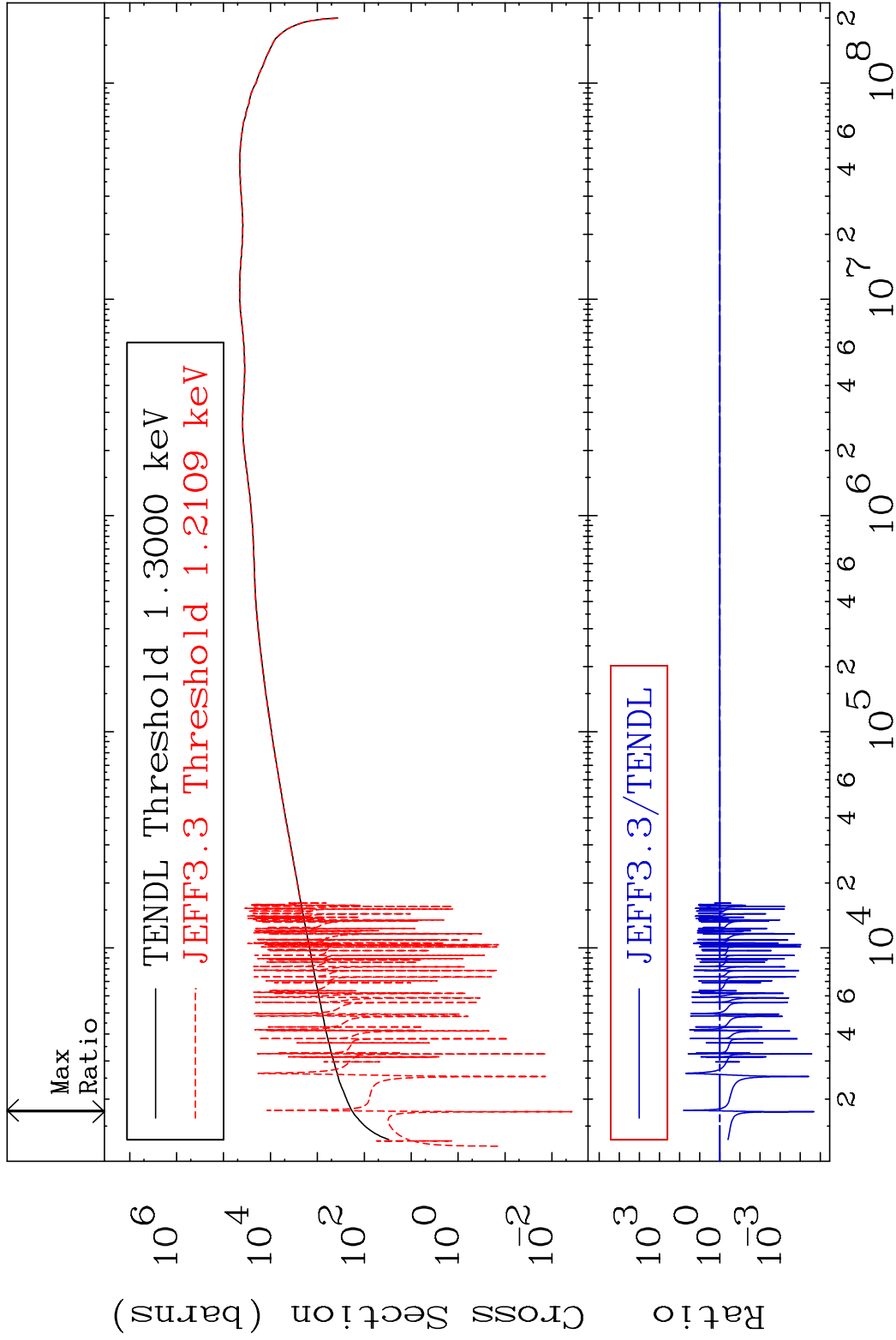
59 Incident Energy (eV) 80-Hg-198

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

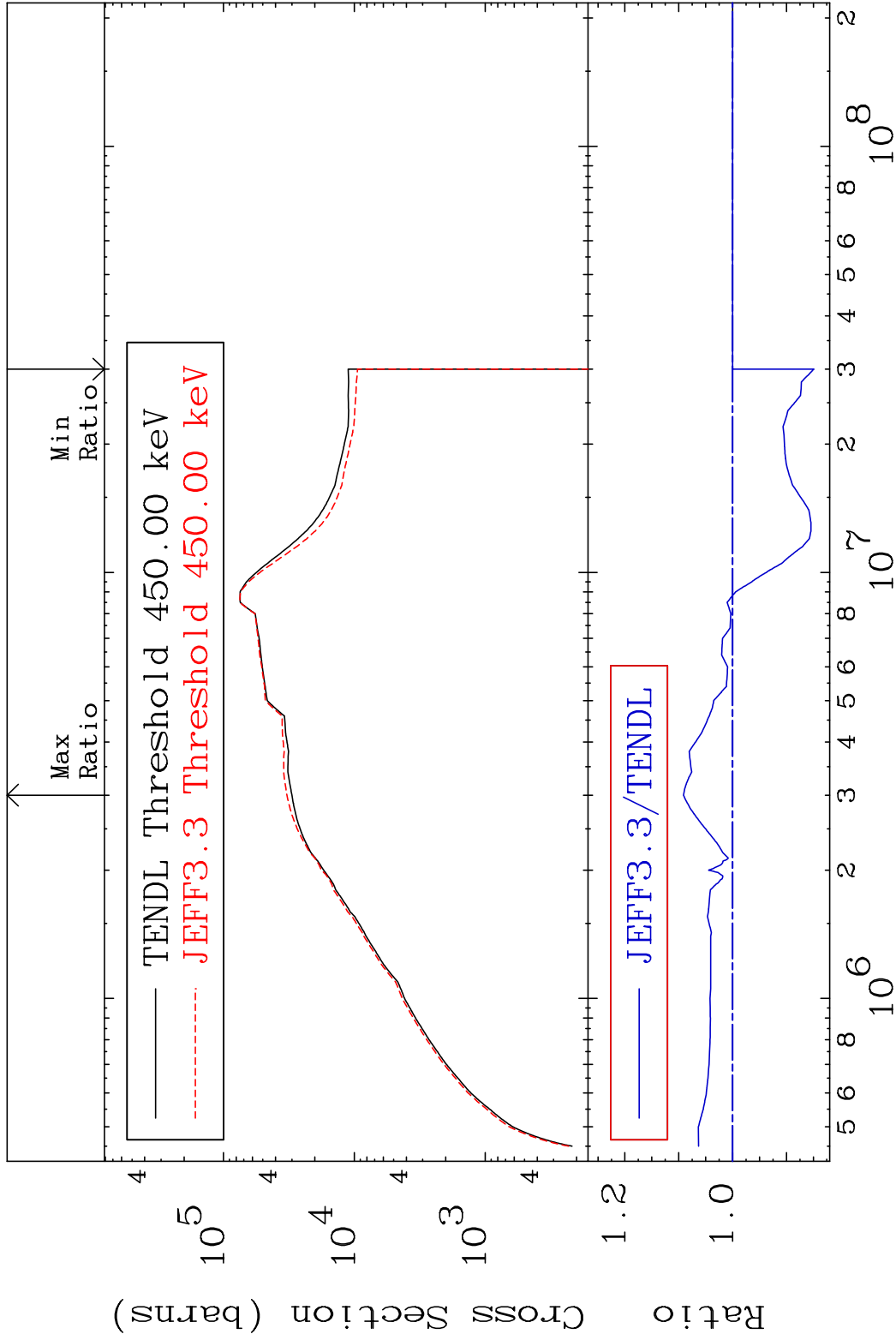


60      Incident Energy (eV)      80-Hg-198

MAT 8031      Dpa elastic (mt2)      80-Hg-198  
 Cross Section      -100.0 To 6333. %

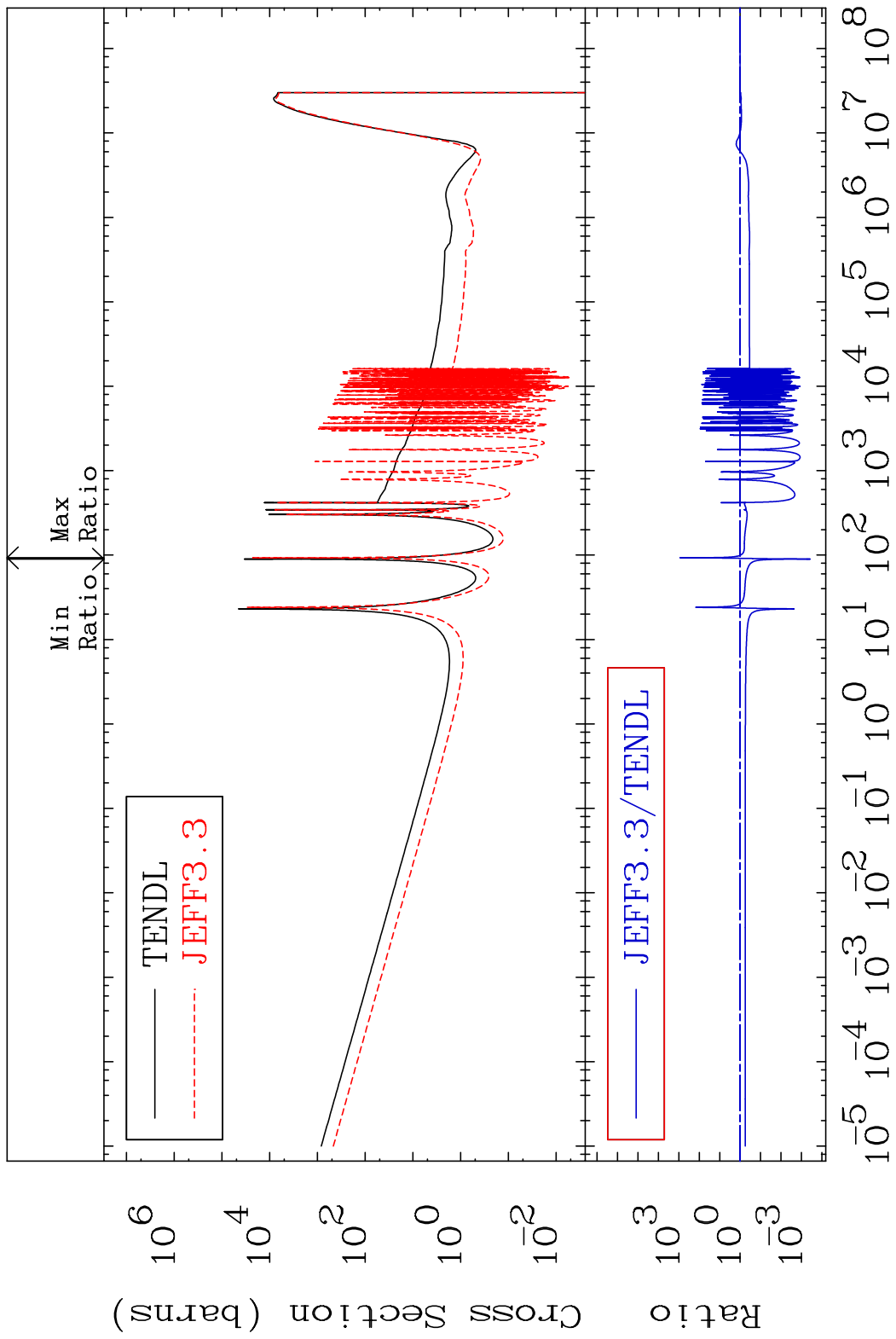


MAT 8031 Dpa inelastic (mt51-91) 80-Hg-198  
 Cross Section -15.09 To 9.125 %



62 Incident Energy (eV) 80-Hg-198

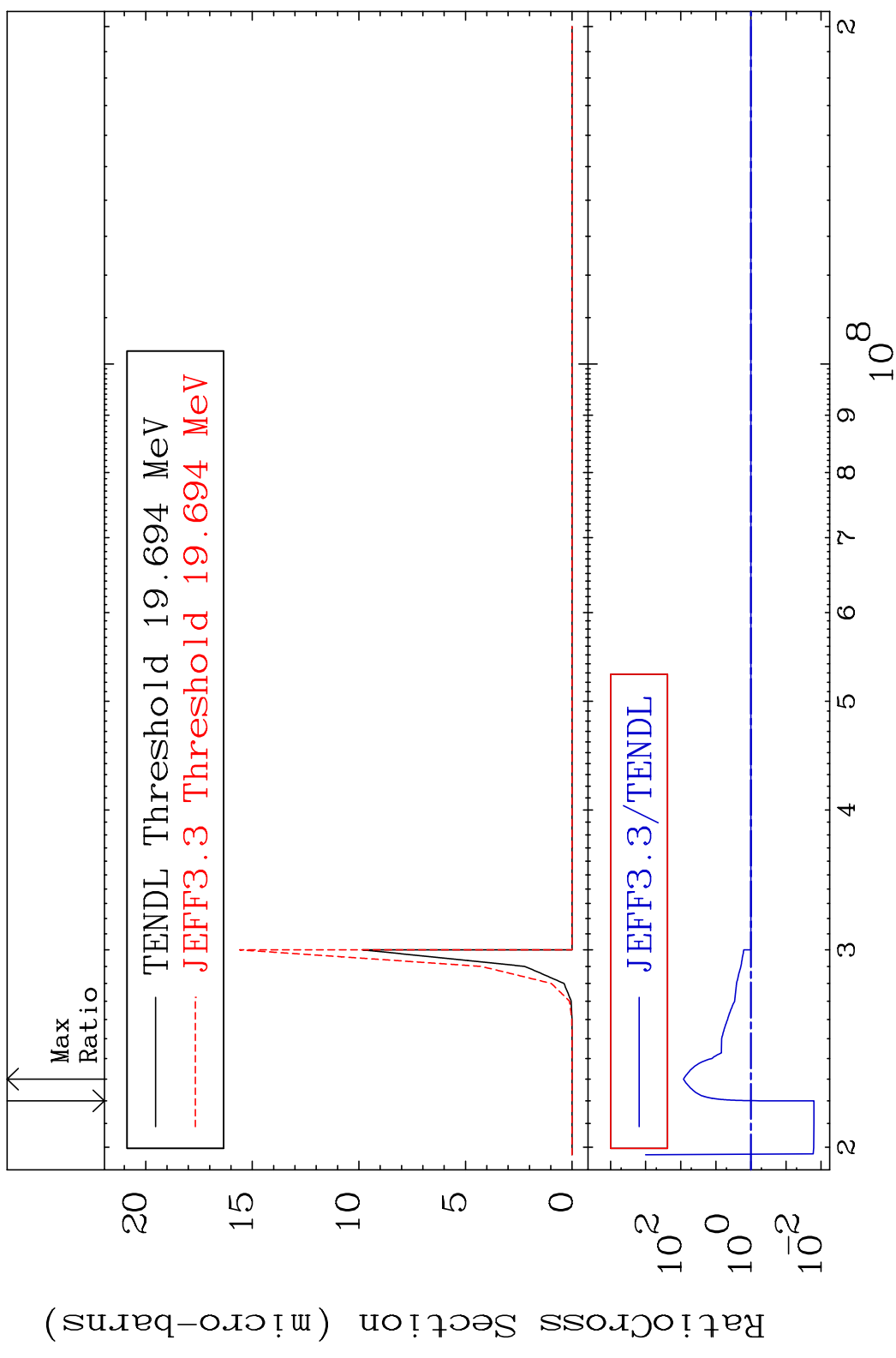
MAT 8031 Dpa disappearance (mt102 -120) 80-Hg-198  
 Cross Section -99.96 To 9999. %



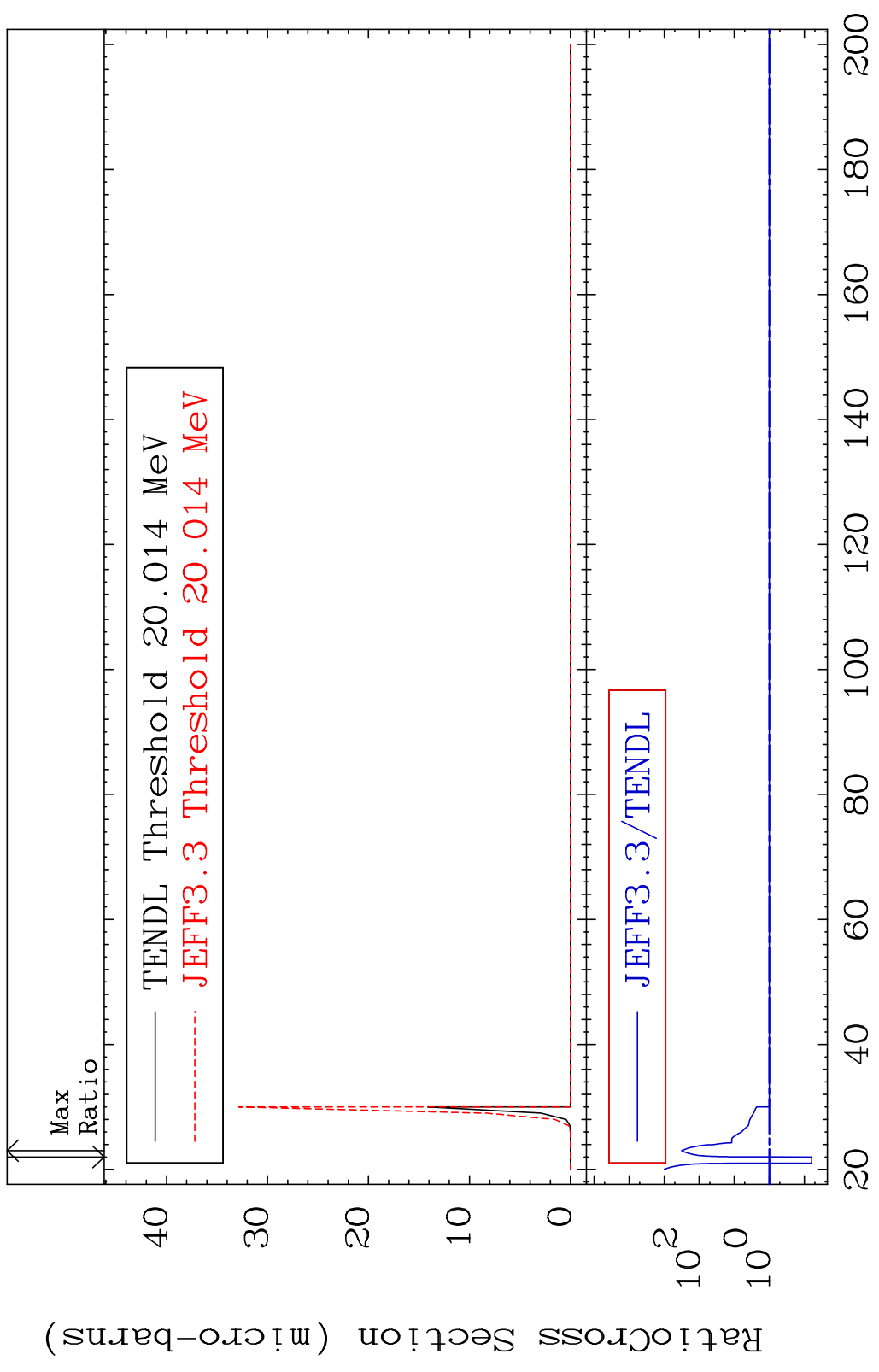
63 Incident Energy (eV) 80-Hg-198



MAT 8031 (n,2n) d:79-Au-195g 80-Hg-198  
 Radionuclide Production Cross Section 98e40i d1o 8267. %

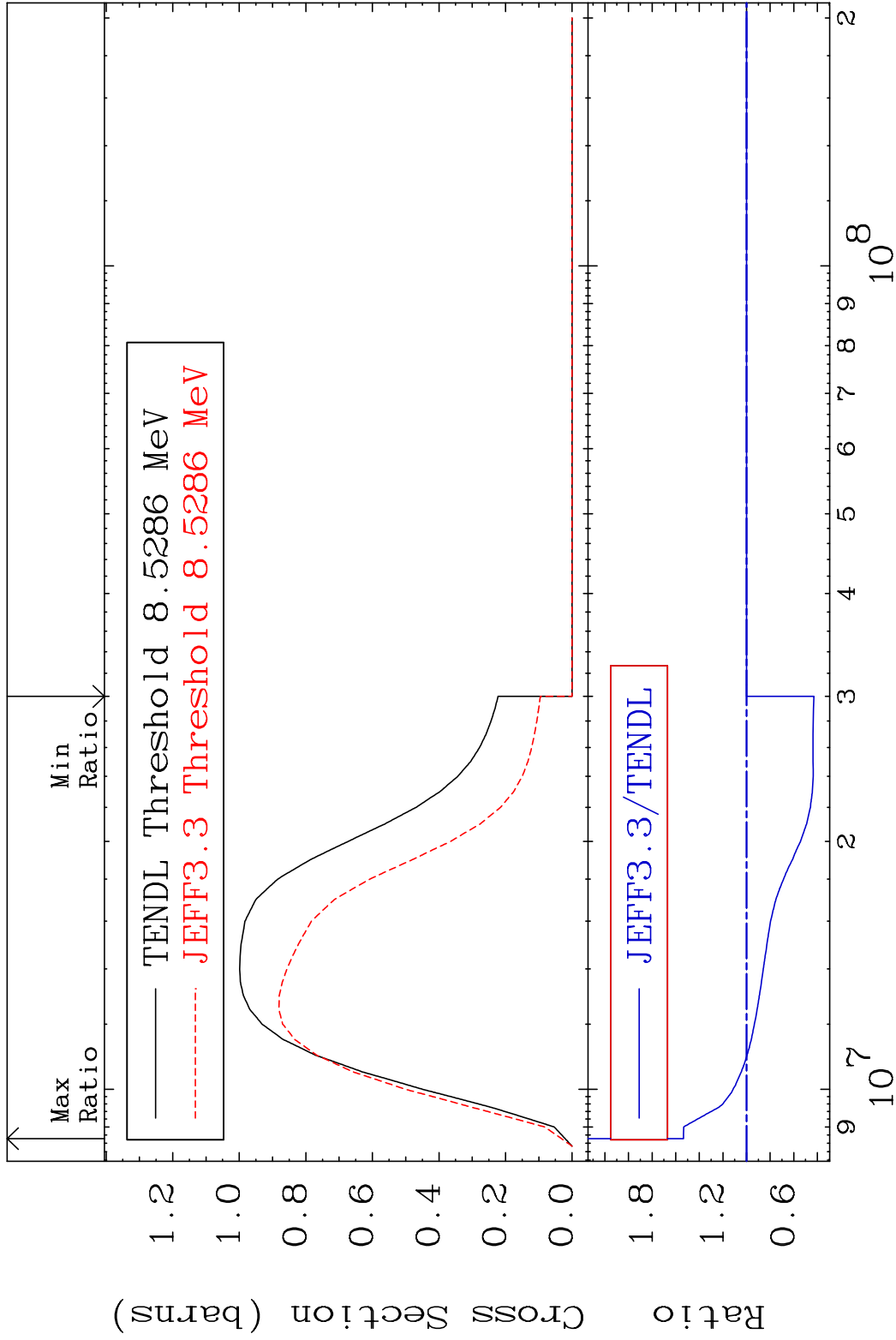


MAT 8031 (n,2n) d:79-Au-195m4 80-Hg-198  
 Radionuclide Production Cross Section 9999. %



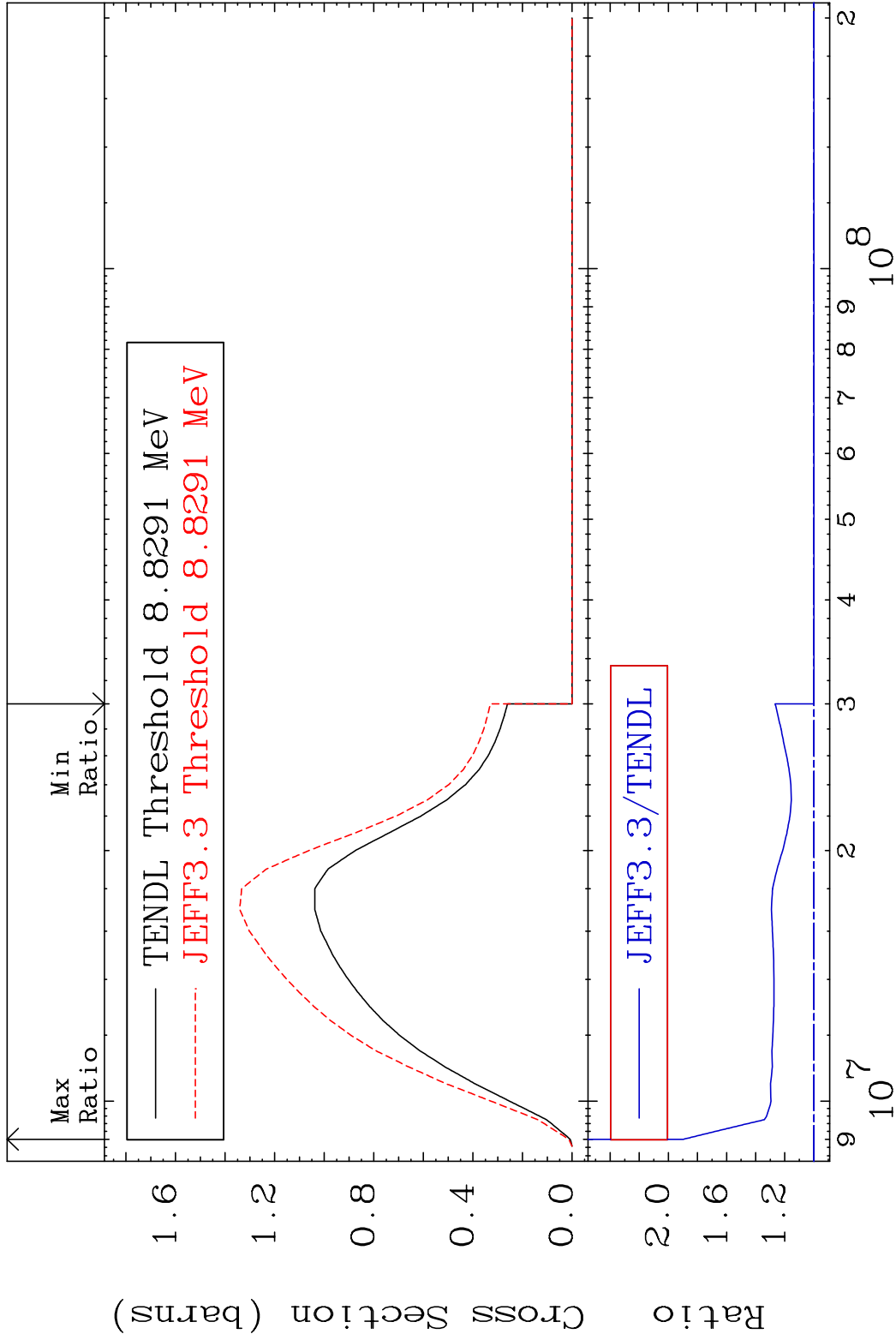
65 Incident Energy (MeV) 80-Hg-198

MAT 8031 (n,2n):80-Hg-197g 80-Hg-198  
 Radionuclide Production Cross Section 53.44 %



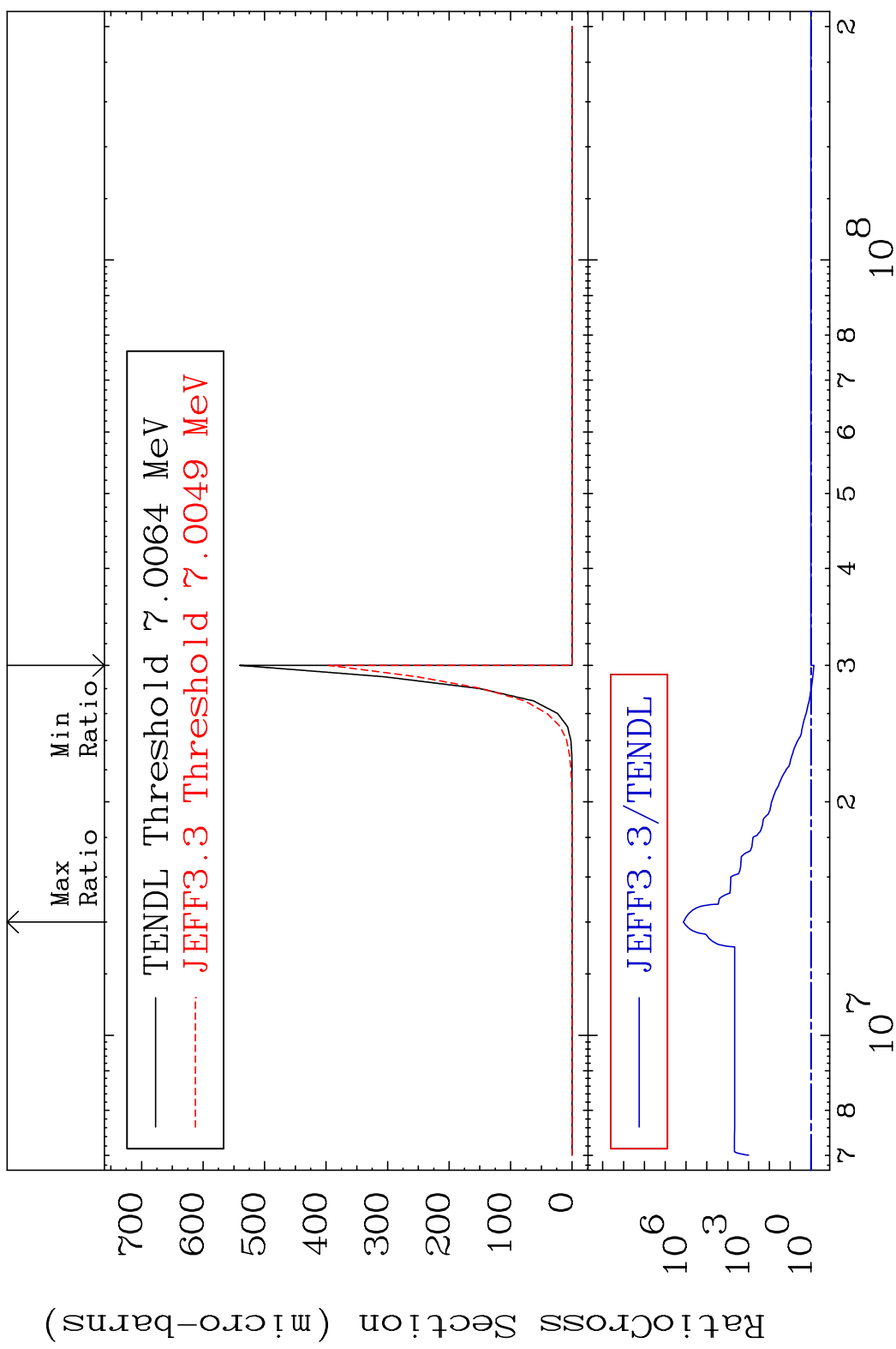
66 Incident Energy (eV) 80-Hg-198

MAT 8031 (n, 2n): 80-Hg-197m4 80-Hg-198  
 Radionuclide Production Cross Section 89.62 %

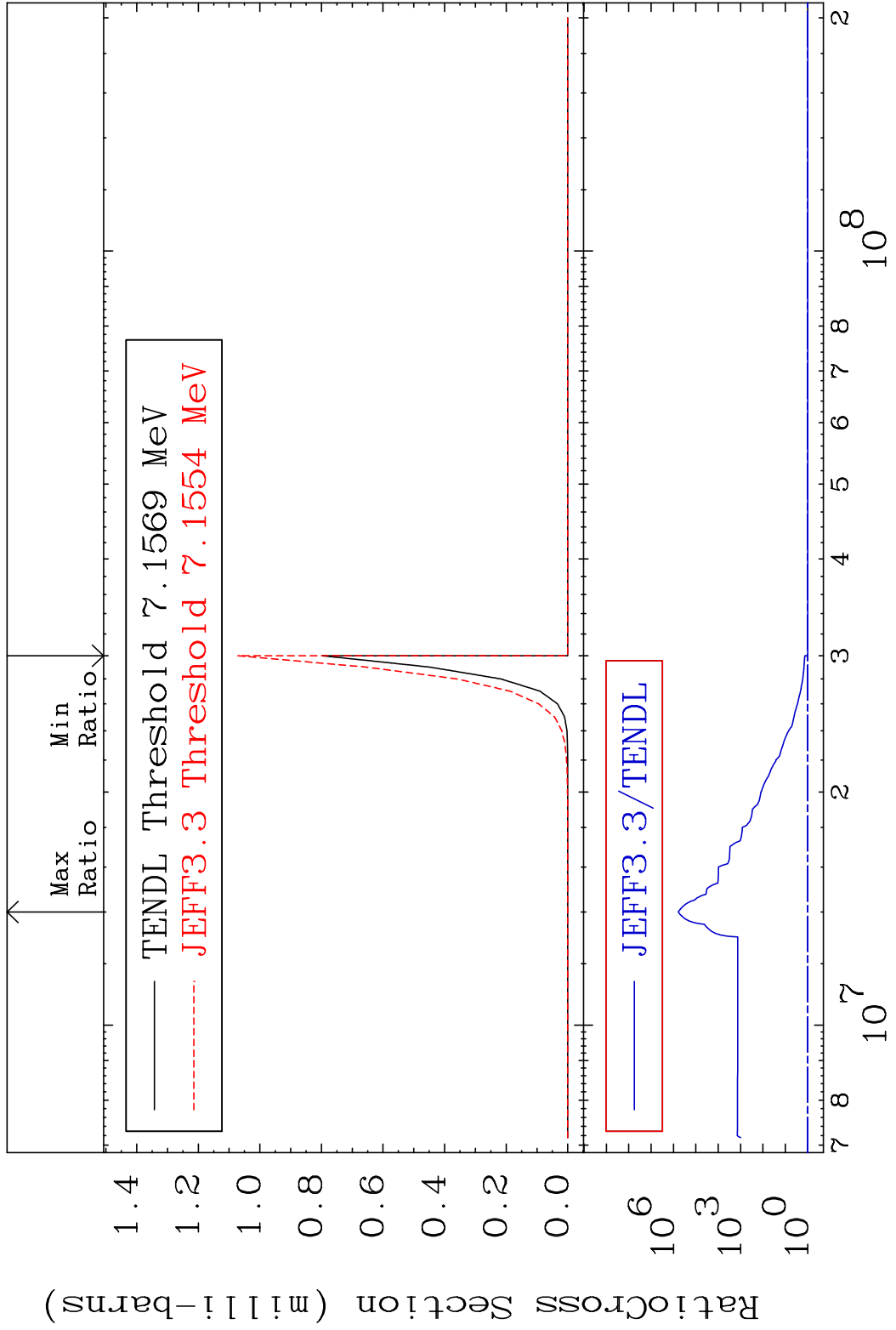


67 Incident Energy (eV) 80-Hg-198

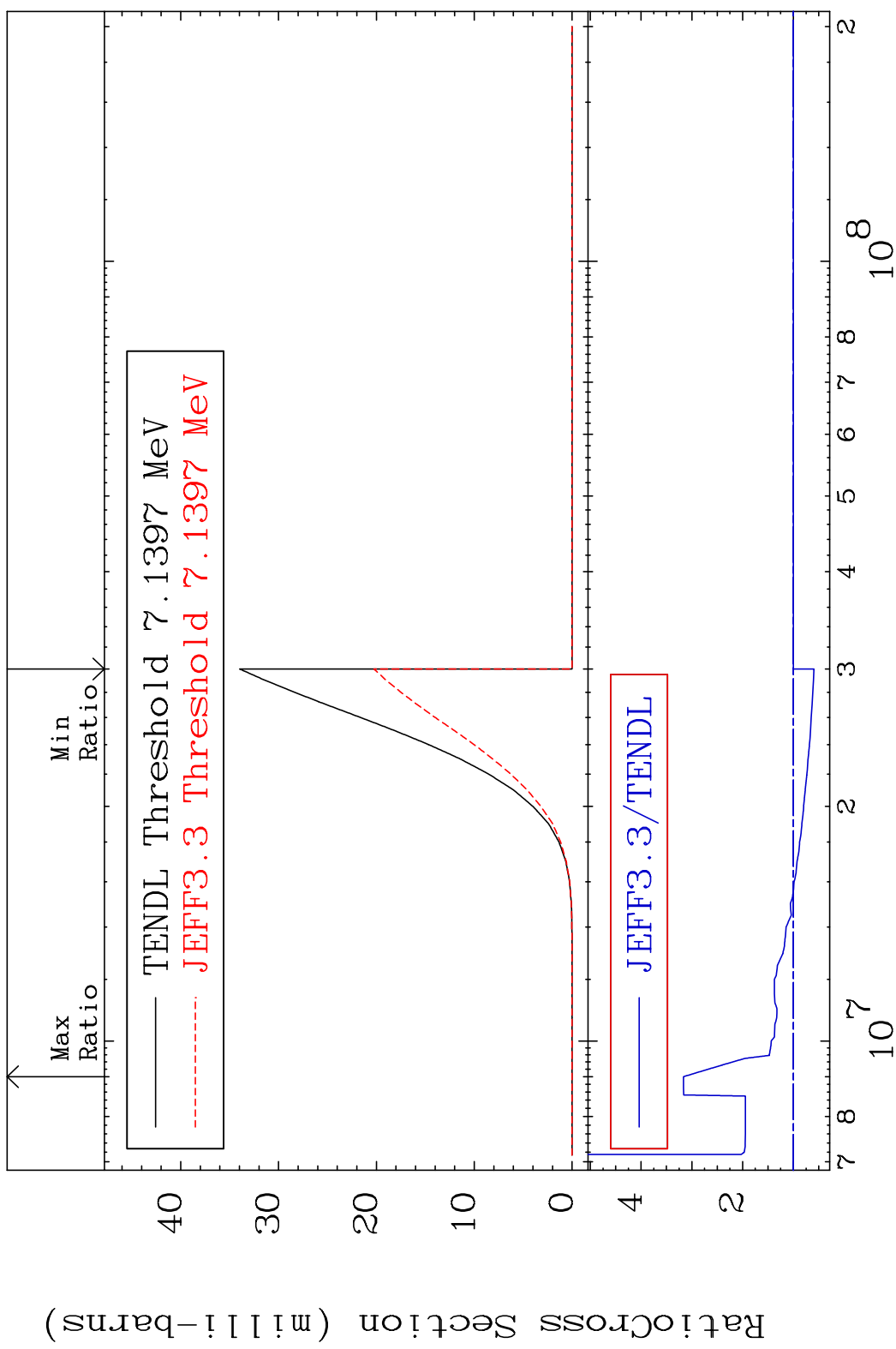
MAT 8031 (n,2n)  $\alpha$ :78-Pt-193g 80-Hg-198  
 Radionuclide Production Cross Section 9999. %



MAT 8031 (n,2n)  $\alpha$ :78-Pt-193m5 80-Hg-198  
 Radionuclide Production Cross Section 9999. %

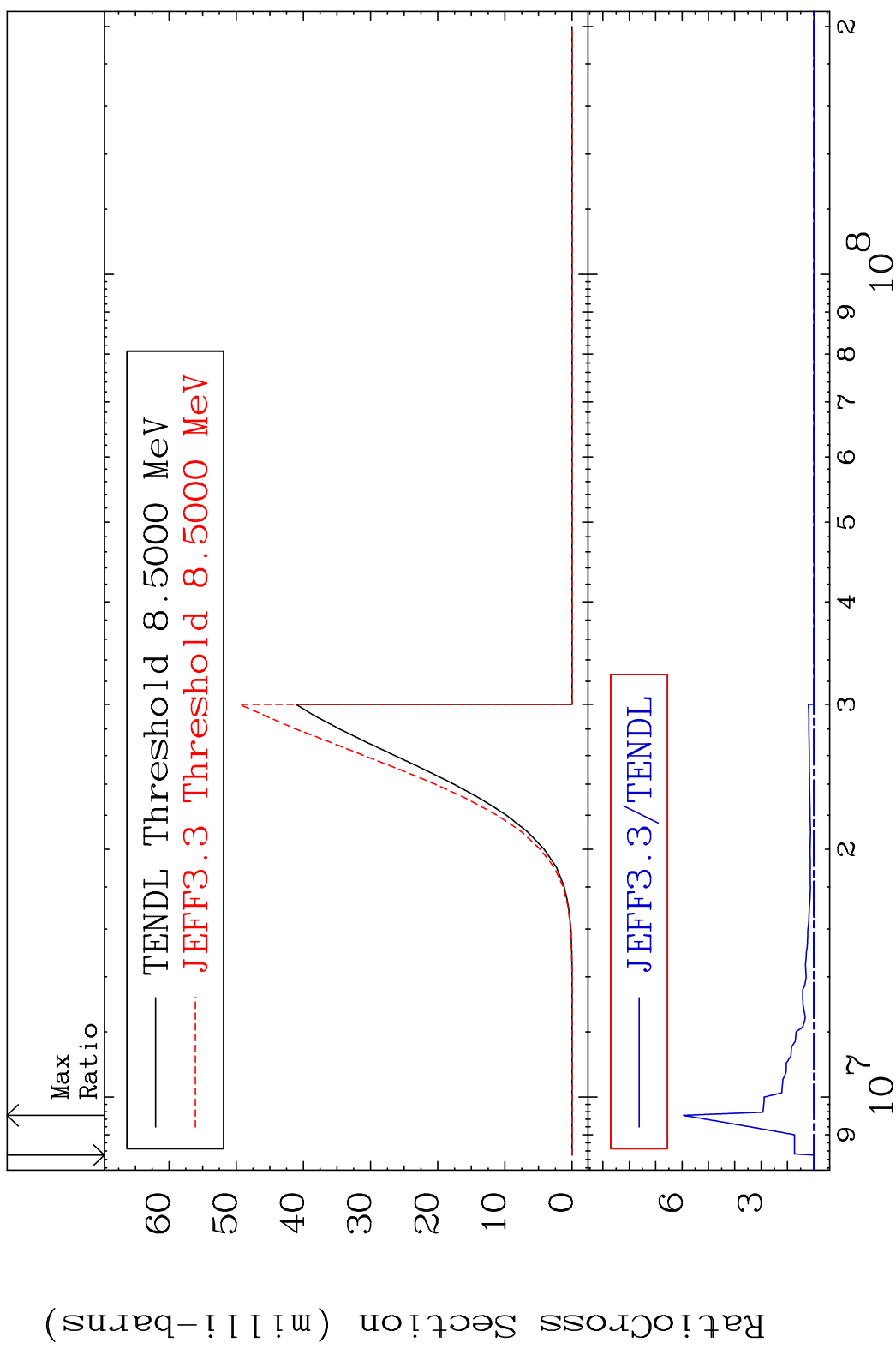


MAT 8031 (n, n') p:79-Au-197g 80-Hg-198  
 Radionuclide Production Cross Section 48e39i dfo 216.5 %



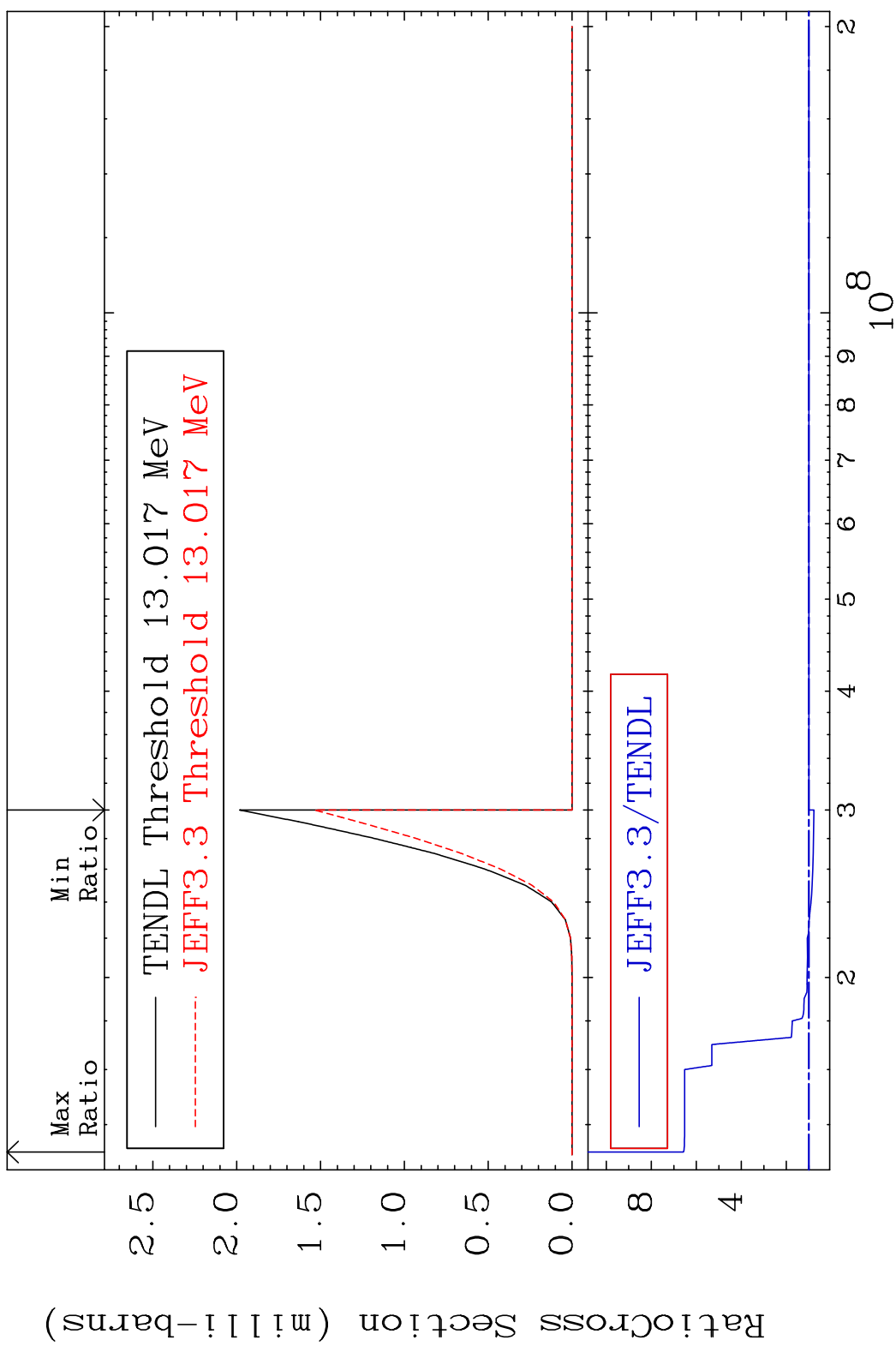
70 80-Hg-198

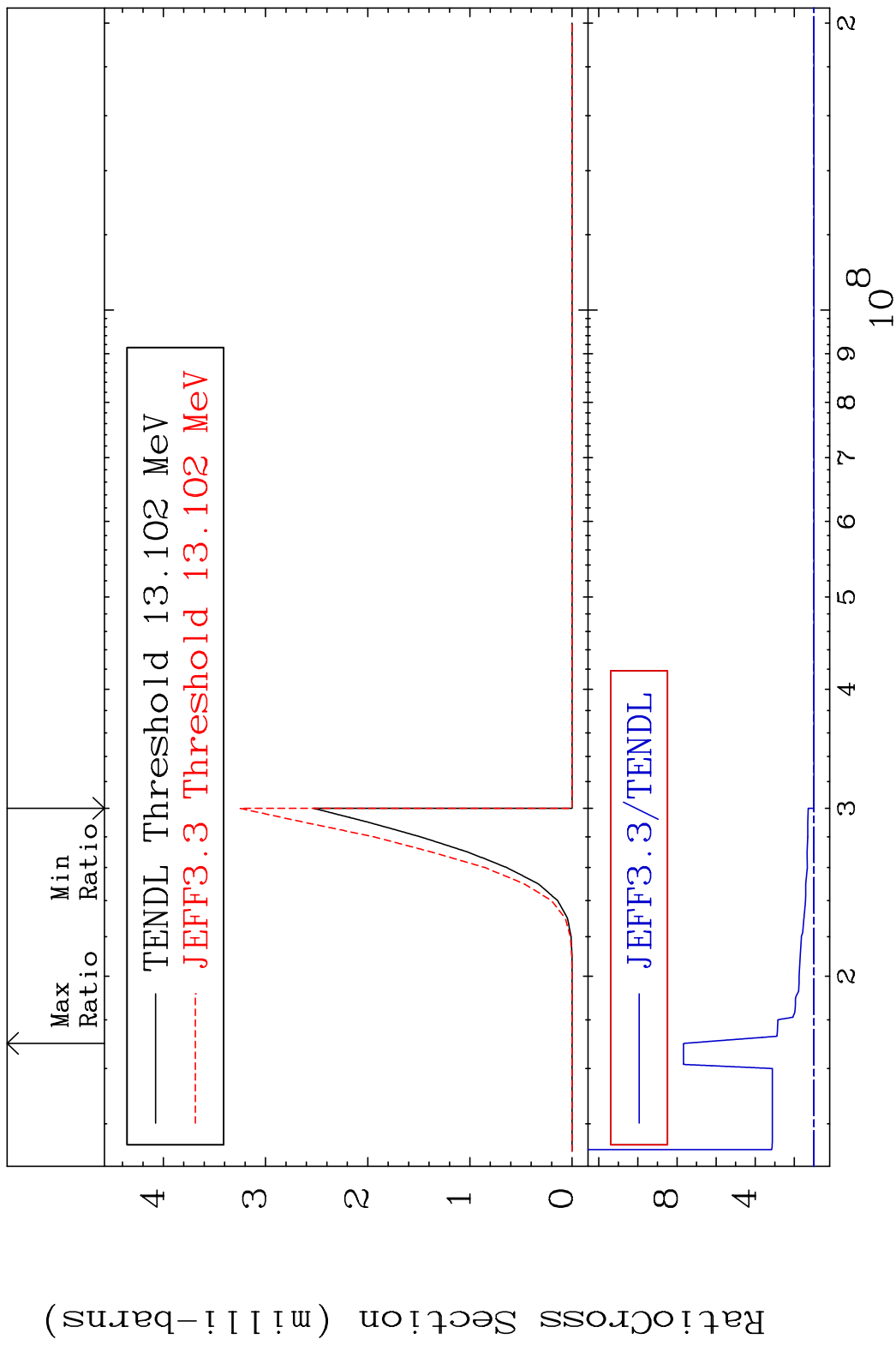
MAT 8031 (n,n') p:79-Au-197m4 80-Hg-198  
 Radionuclide Production Cross Section 494.6 %



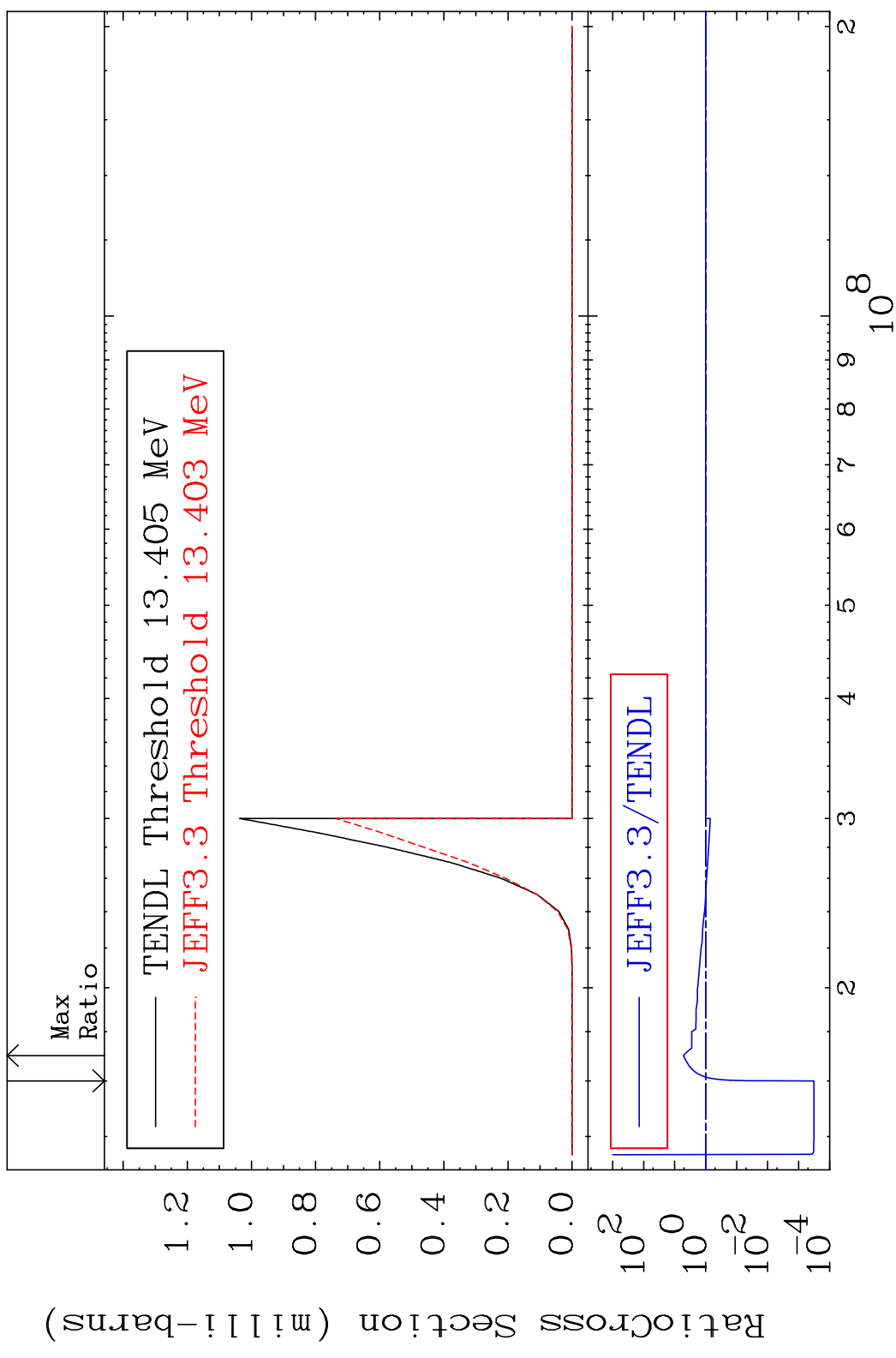
71 Incident Energy (eV) 80-Hg-198



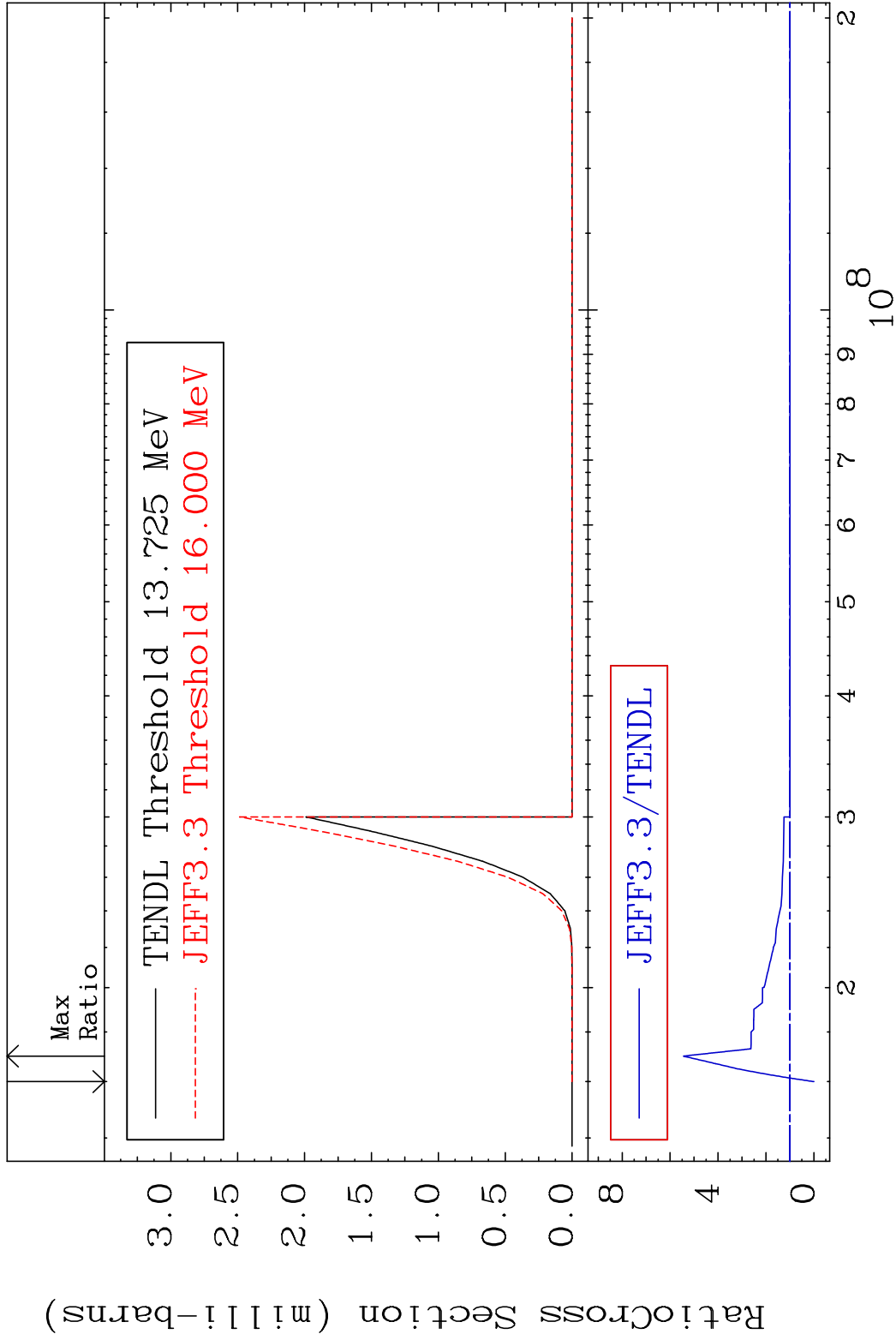




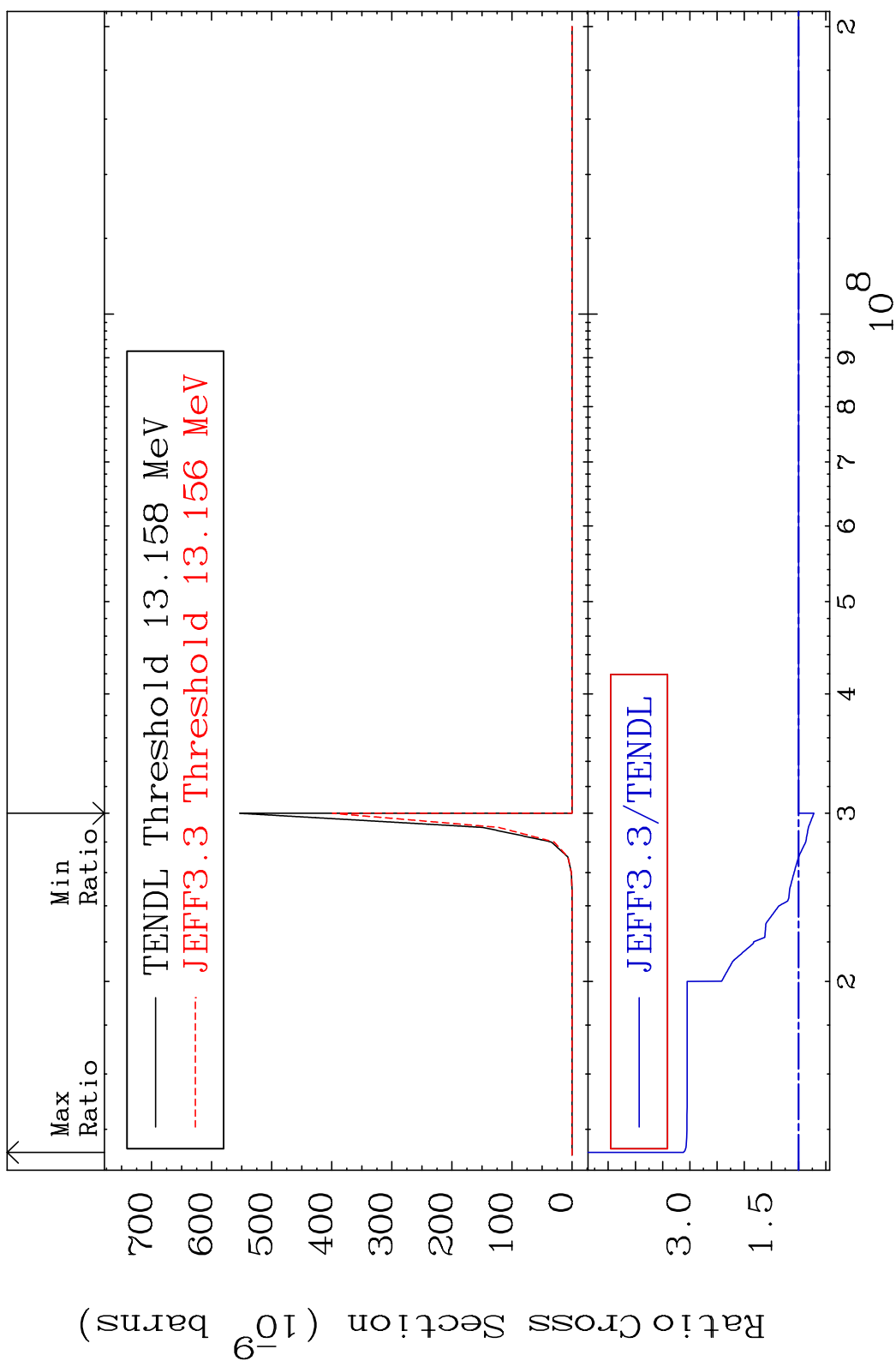
MAT 8031 (n, n') t:79-Au-195g 80-Hg-198  
 Radionuclide Production Cross Section 99.9% 421.0 %

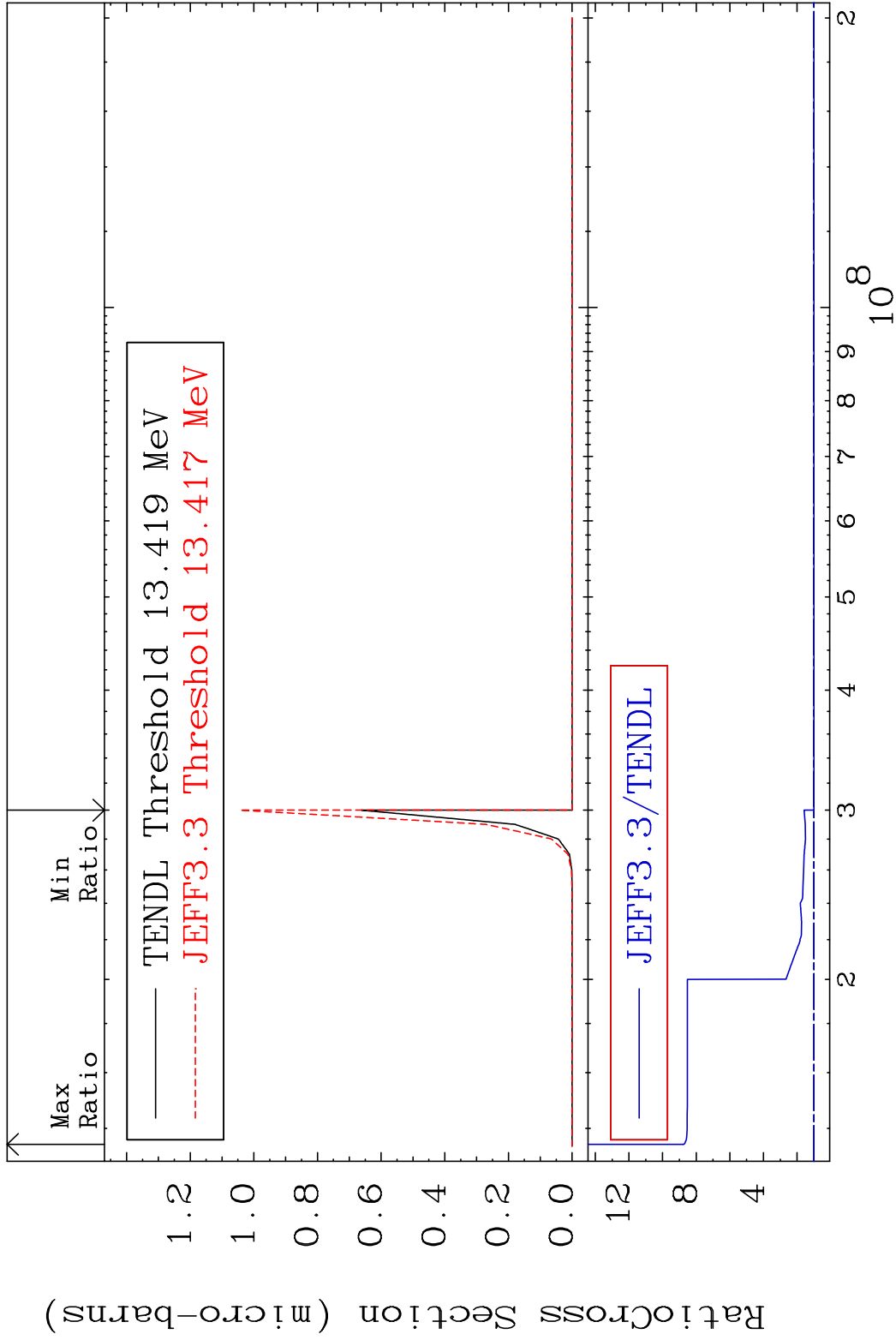


MAT 8031 (n, n') t:79-Au-195m4 80-Hg-198  
 Radionuclide Production Cross Section 180000 dpo 444.3 %

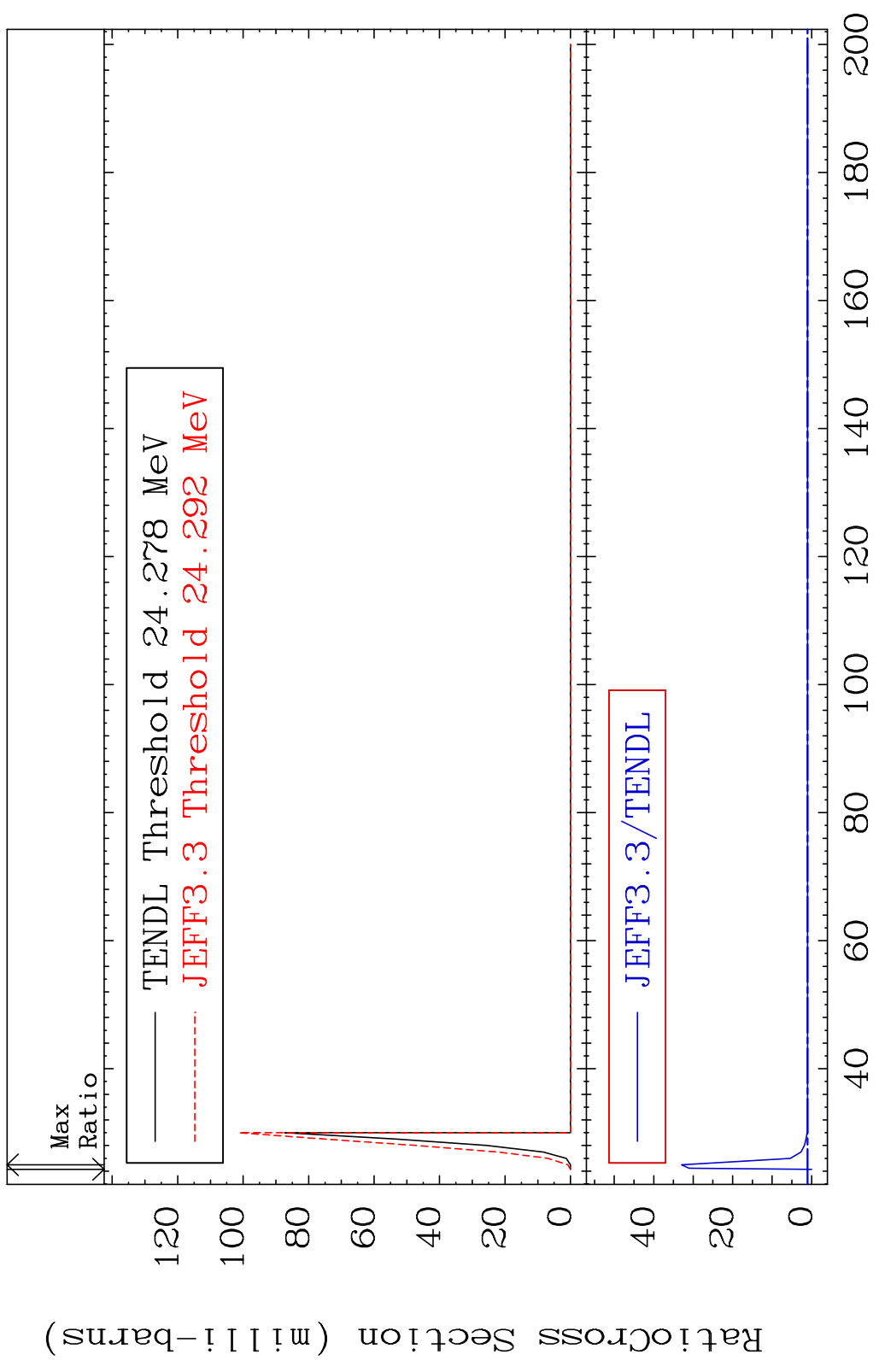


75 Incident Energy (eV) 80-Hg-198



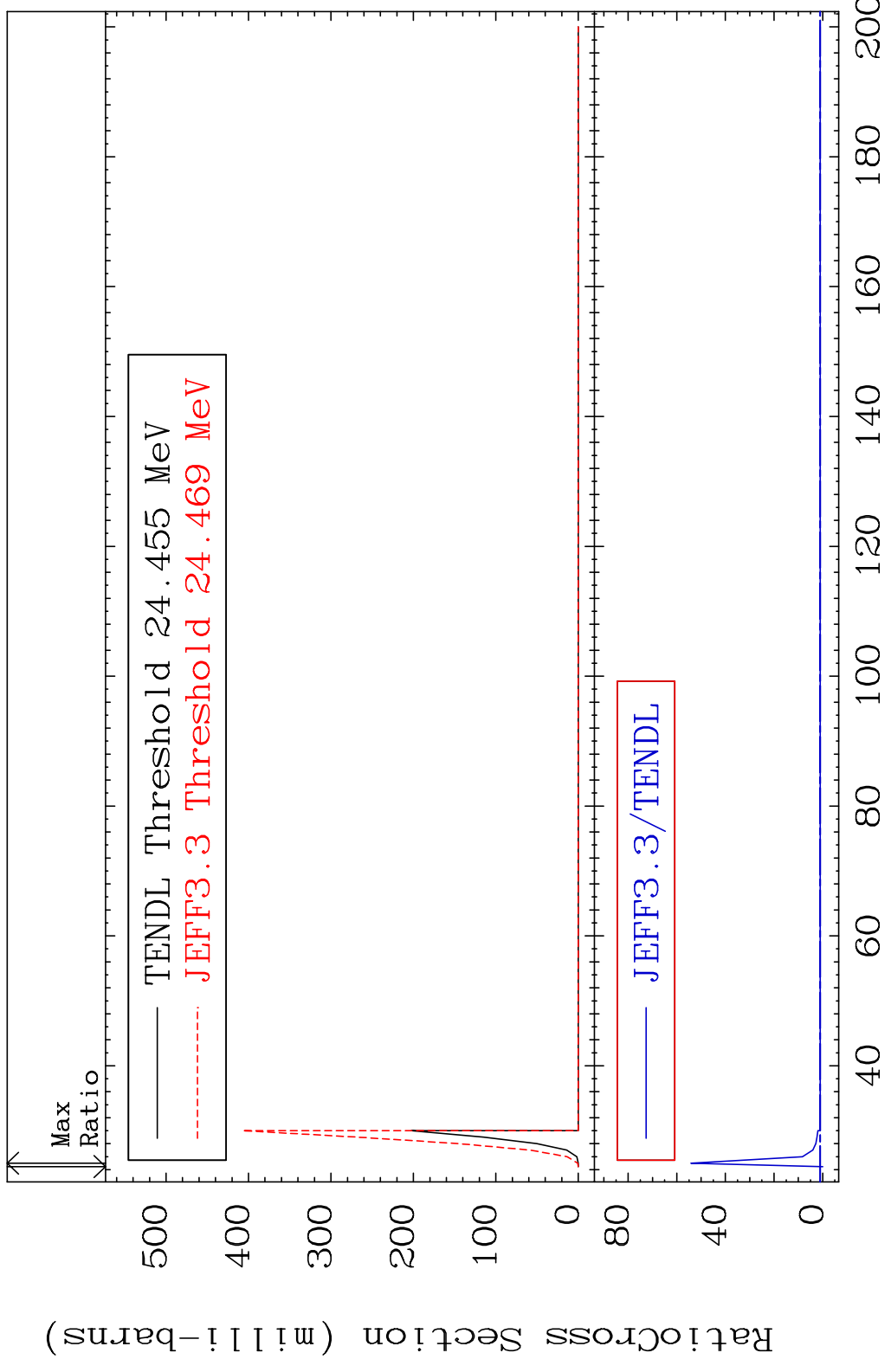


MAT 8031 (n, 4n):80-Hg-195g 80-Hg-198  
 Radionuclide Production Cross Section 180000 dpo 3194. %



78 Incident Energy (MeV) 80-Hg-198

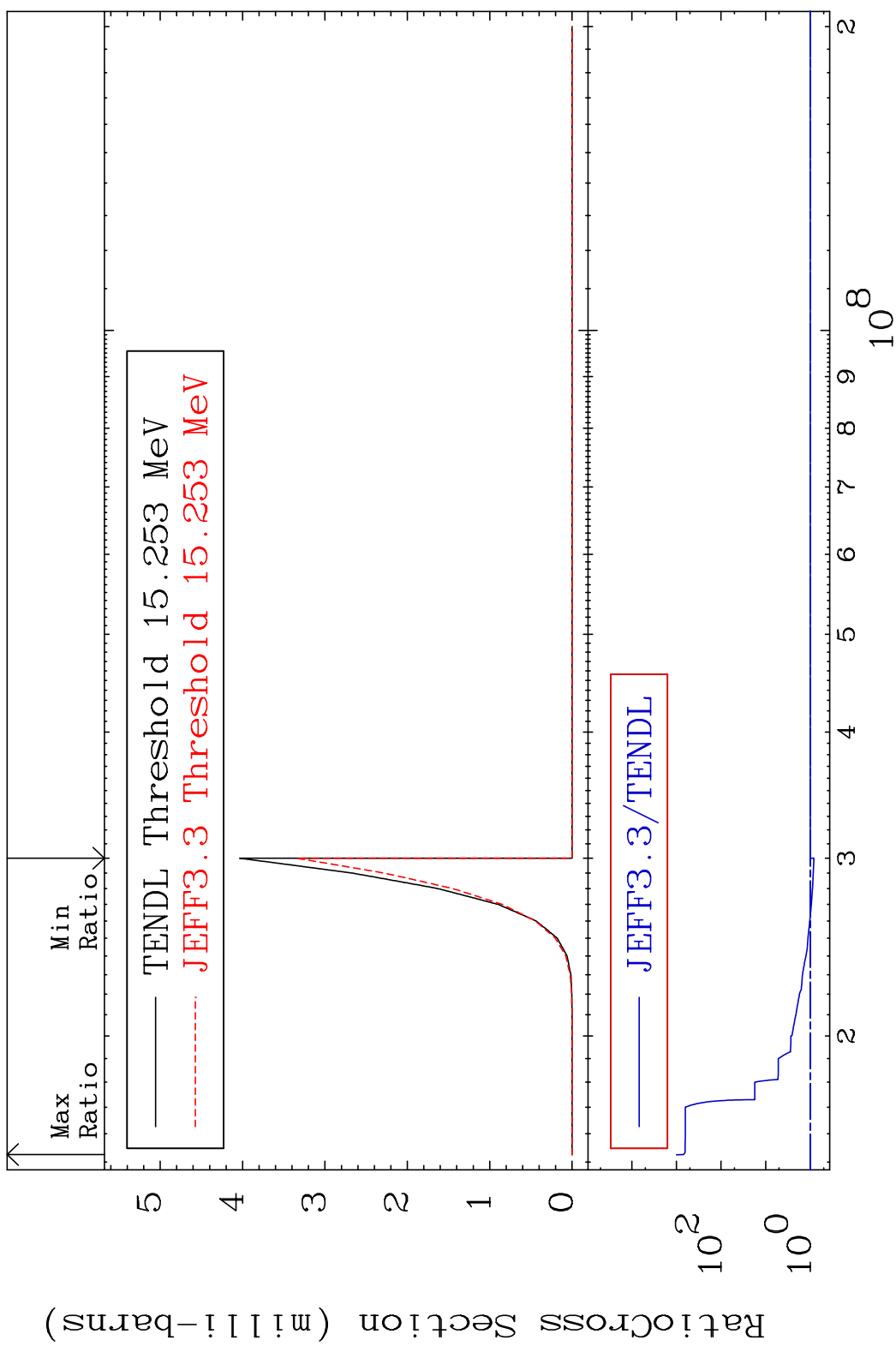
MAT 8031 (n, 4n):80-Hg-195m3 80-Hg-198  
 Radionuclide Production Cross Section 180000 dpo 5321. %



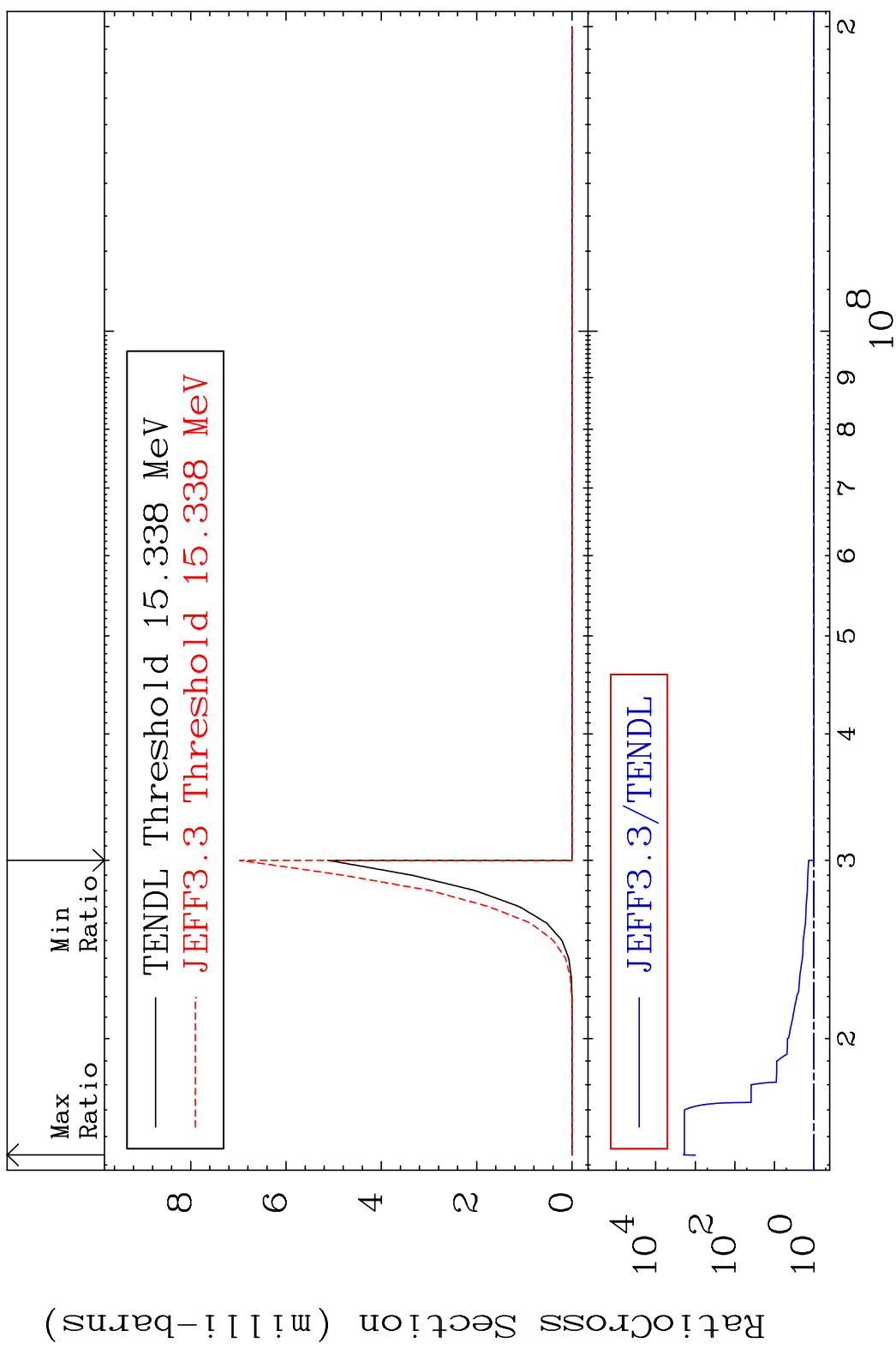
79 80-Hg-198

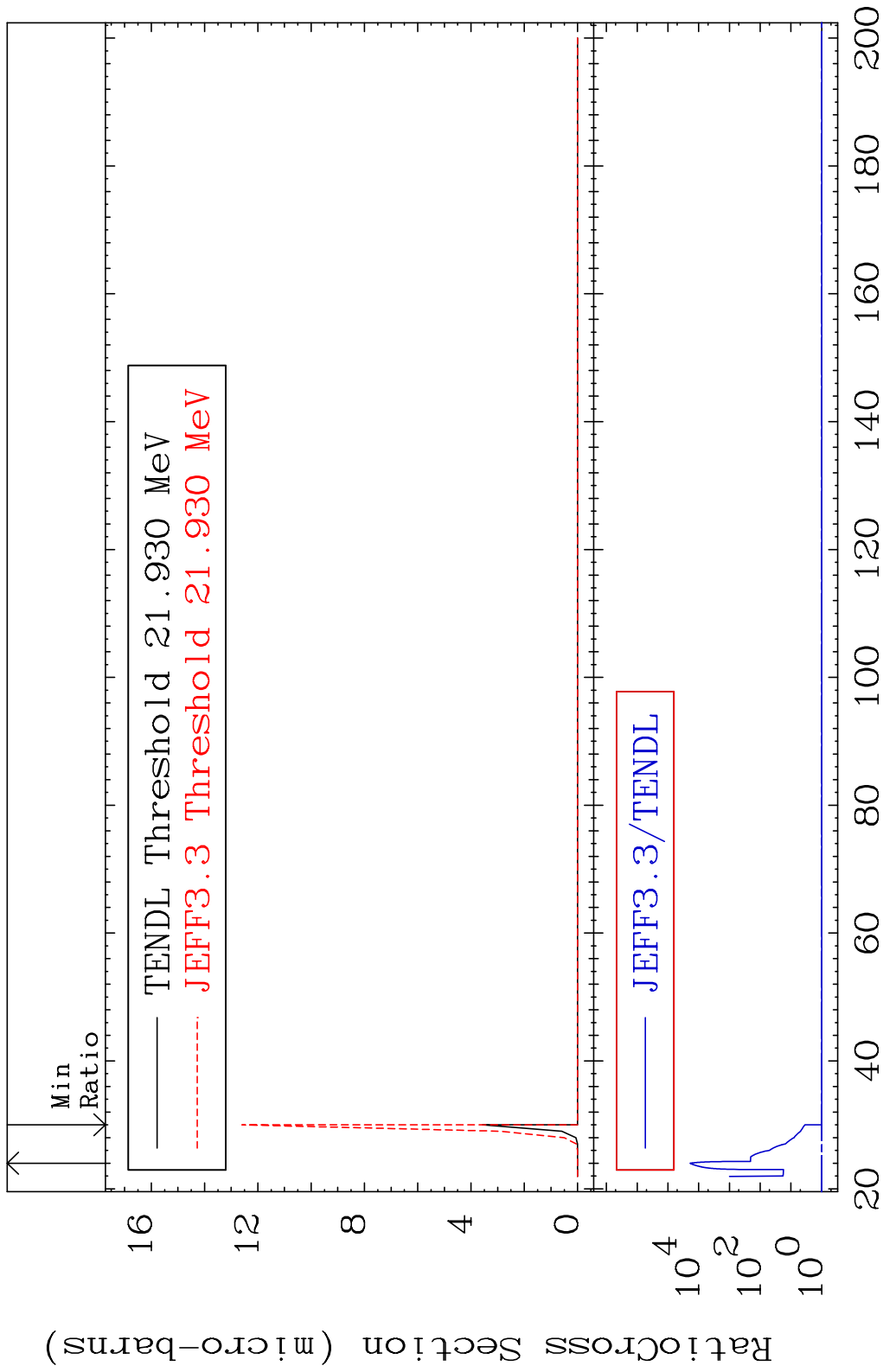


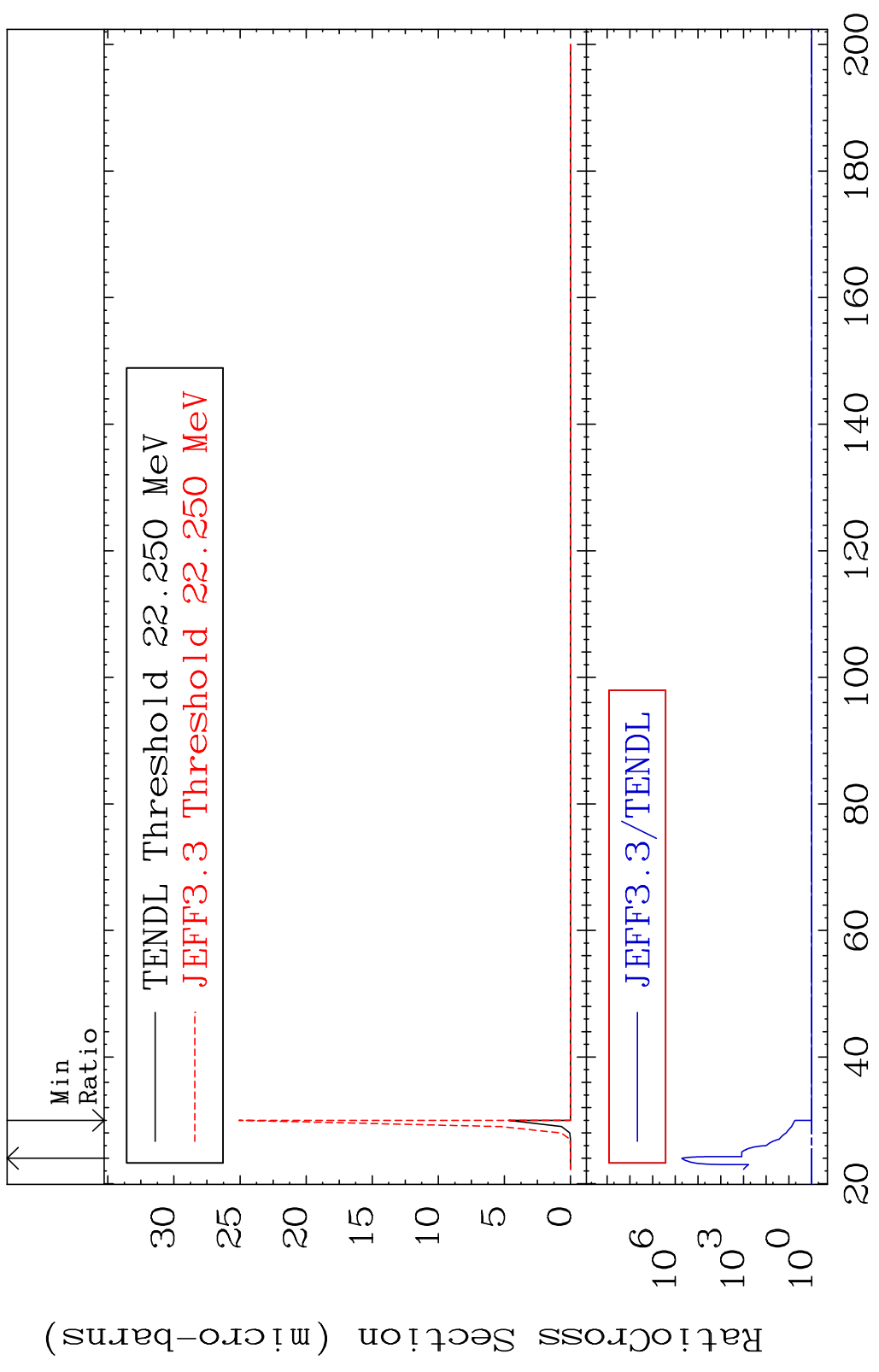
MAT 8031 (n,2n) p:79-Au-196g 80-Hg-198  
 Radionuclide Production Cross Section 9999. %



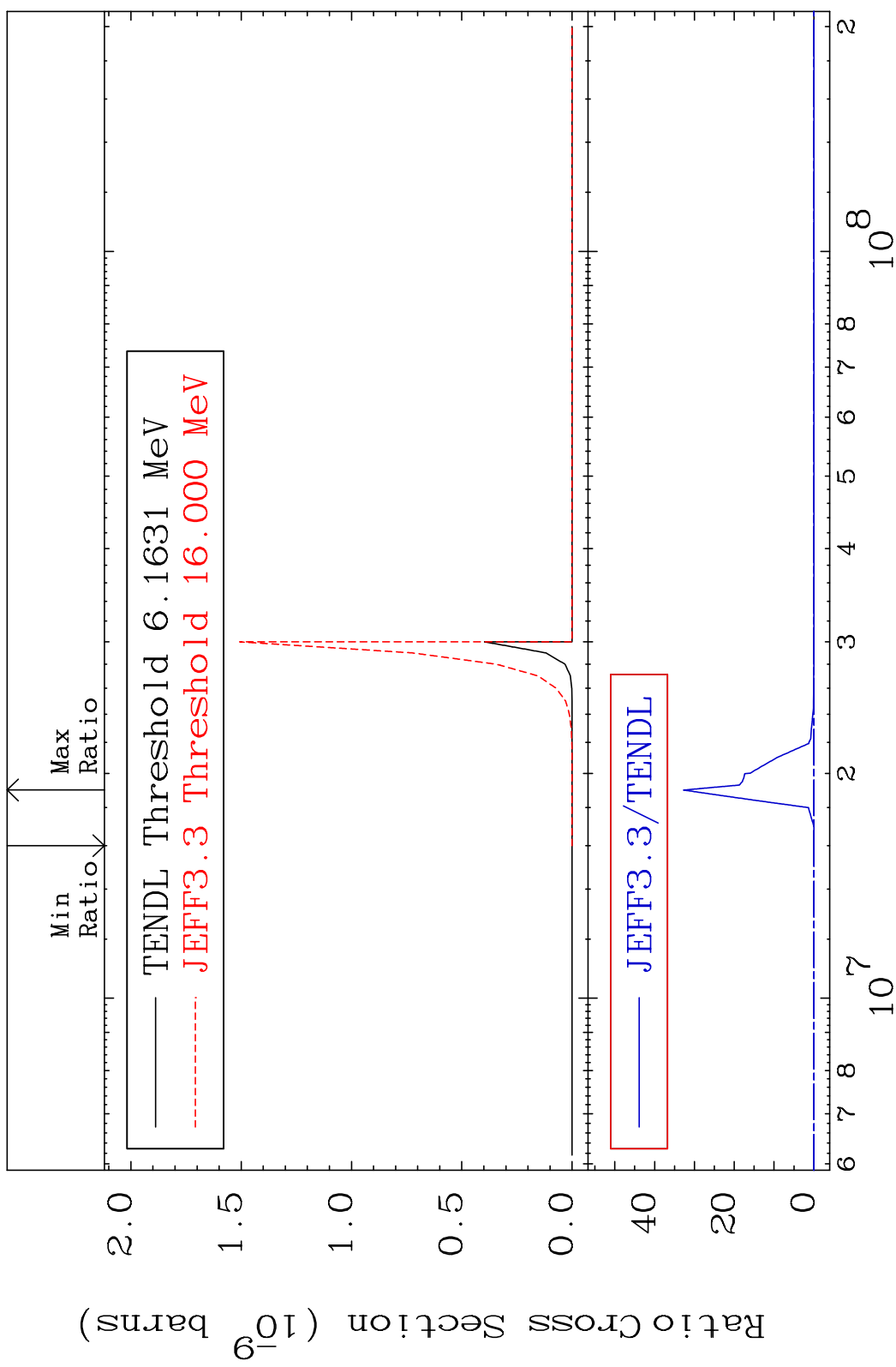
80 80-Hg-198



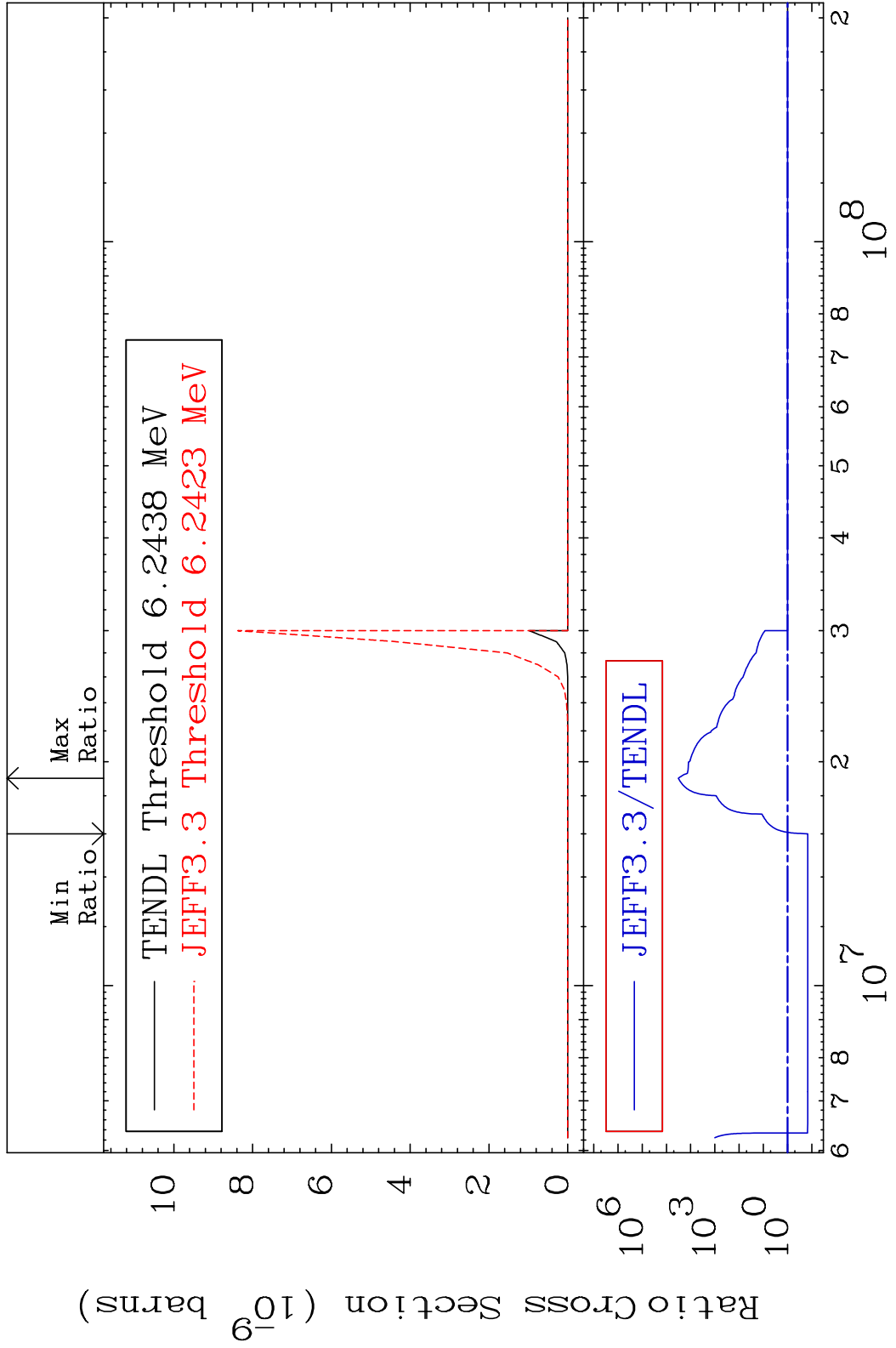


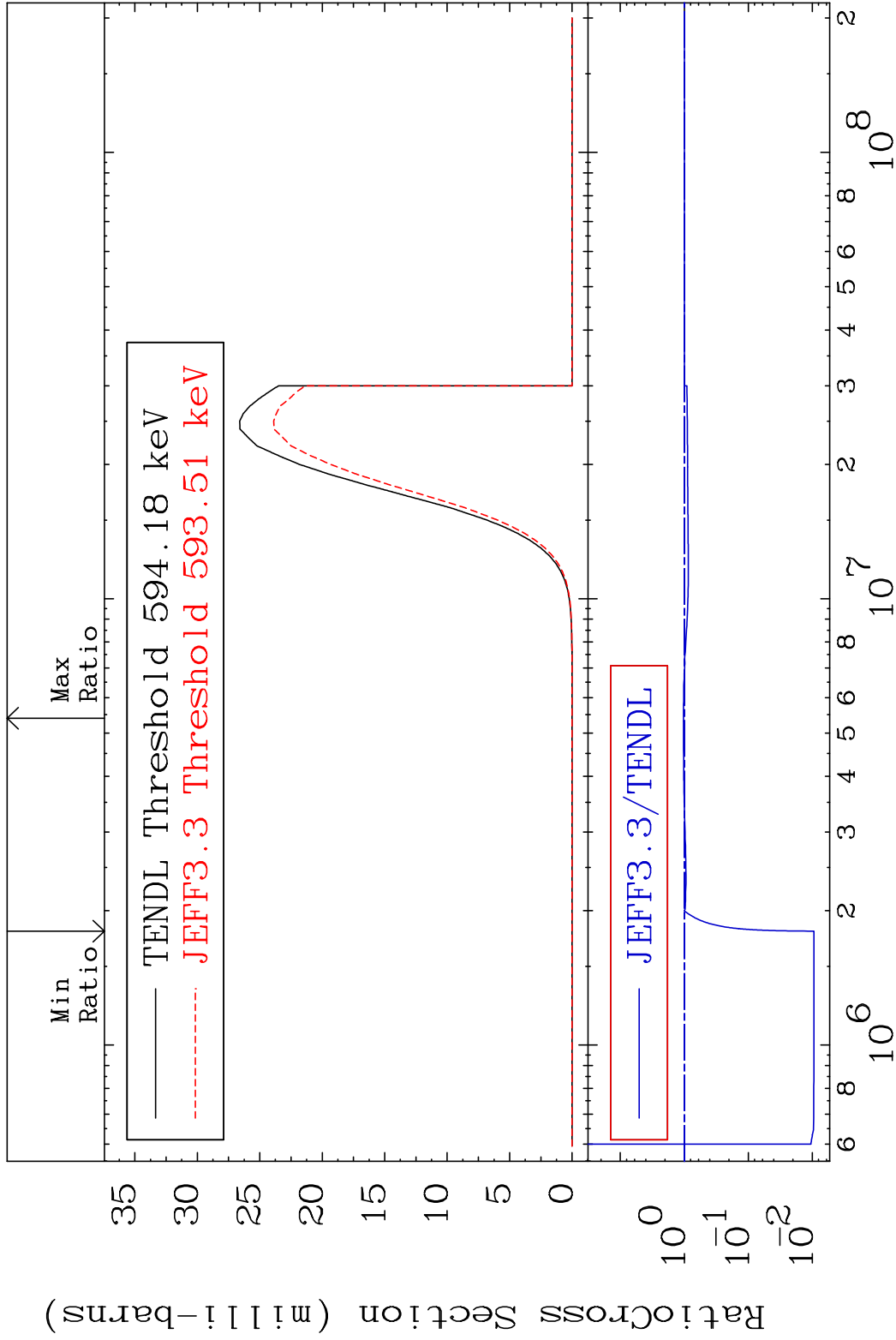


MAT 8031 (n, n') p  $\alpha$ : 77-Ir-193g 80-Hg-198  
 Radionuclide Production Cross Section 10000 dth 9999. %

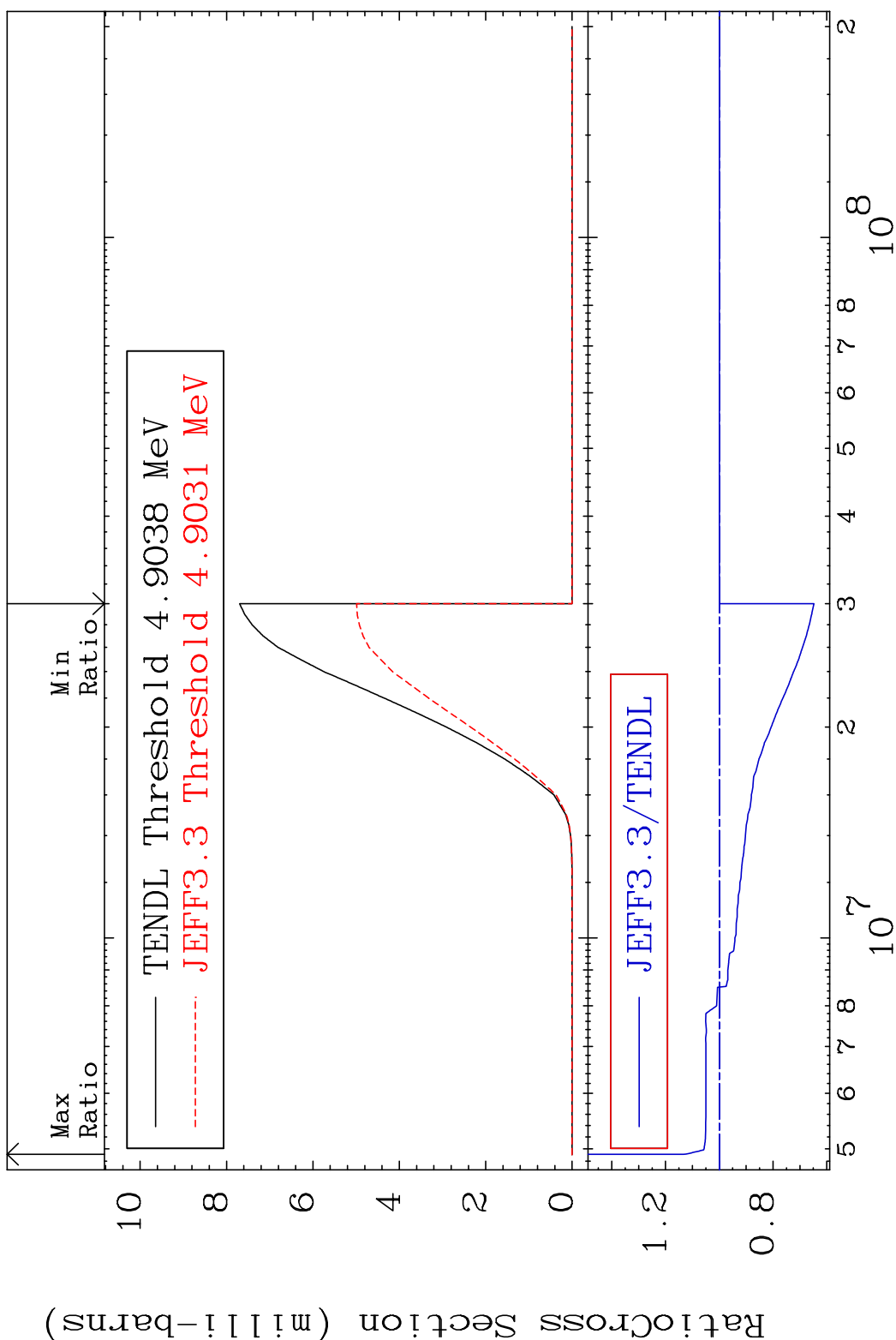


MAT 8031 (n, n') p  $\alpha$ : 77-Ir-193m2 80-Hg-198  
 Radionuclide Production Cross Section to 9999. %





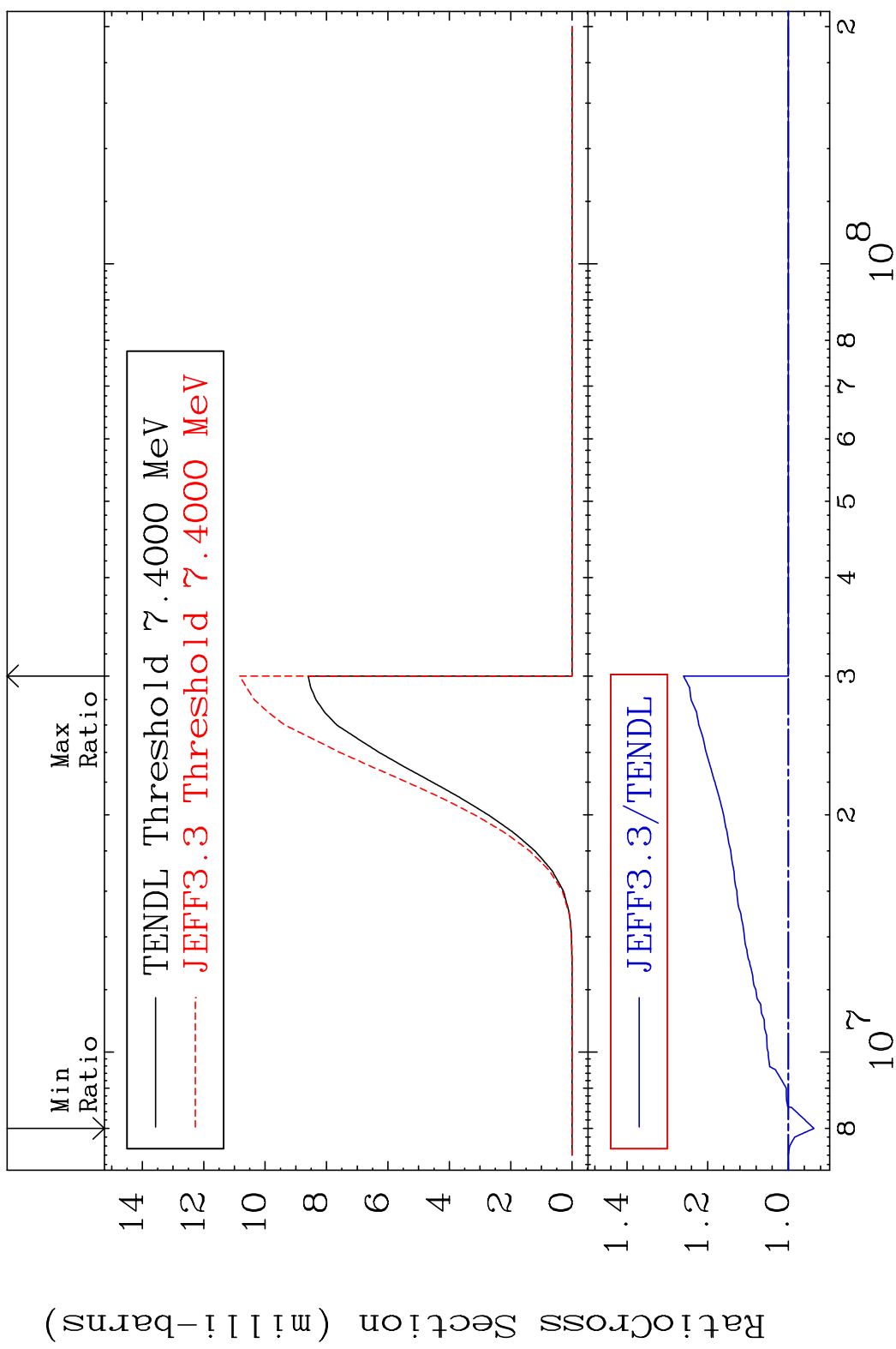
MAT 8031 (n, d):79-Au-197g 80-Hg-198  
 Radionuclide Production Cross Section 13.33 %



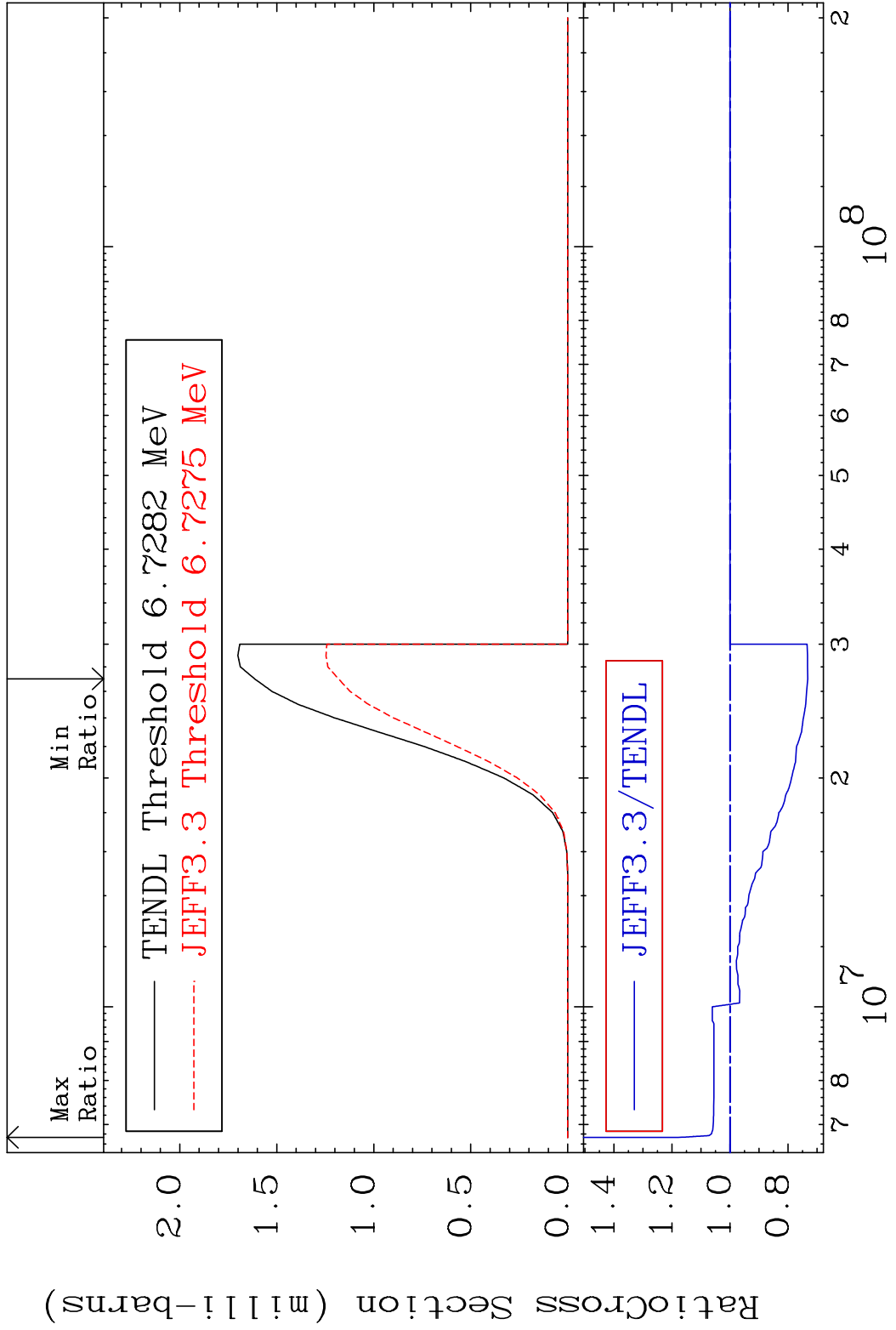
87 Incident Energy (eV) 80-Hg-198

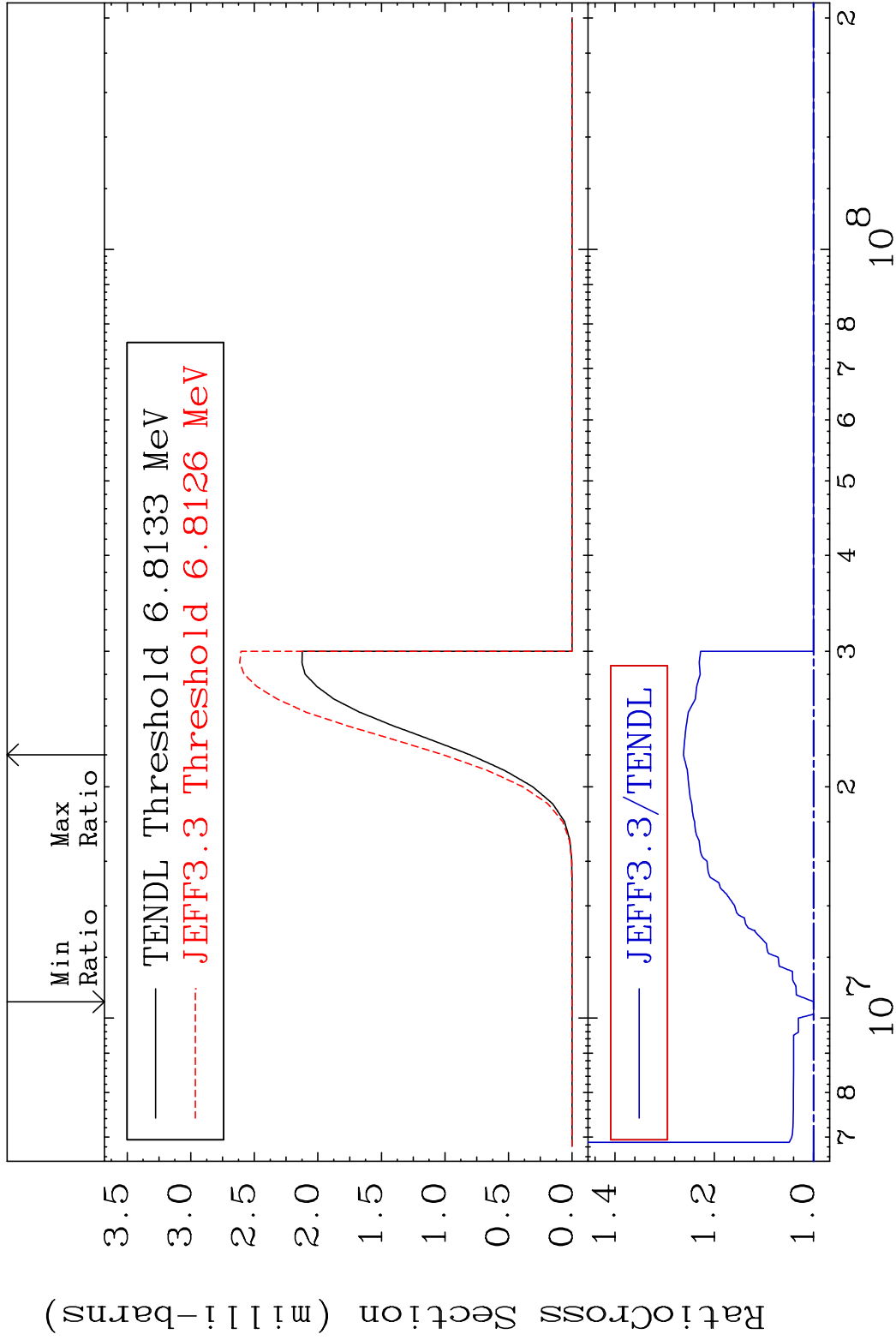


MAT 8031 (n,d):79-Au-197m4 80-Hg-198  
 Radionuclide Production Cross Section 66.4110 26.00 %

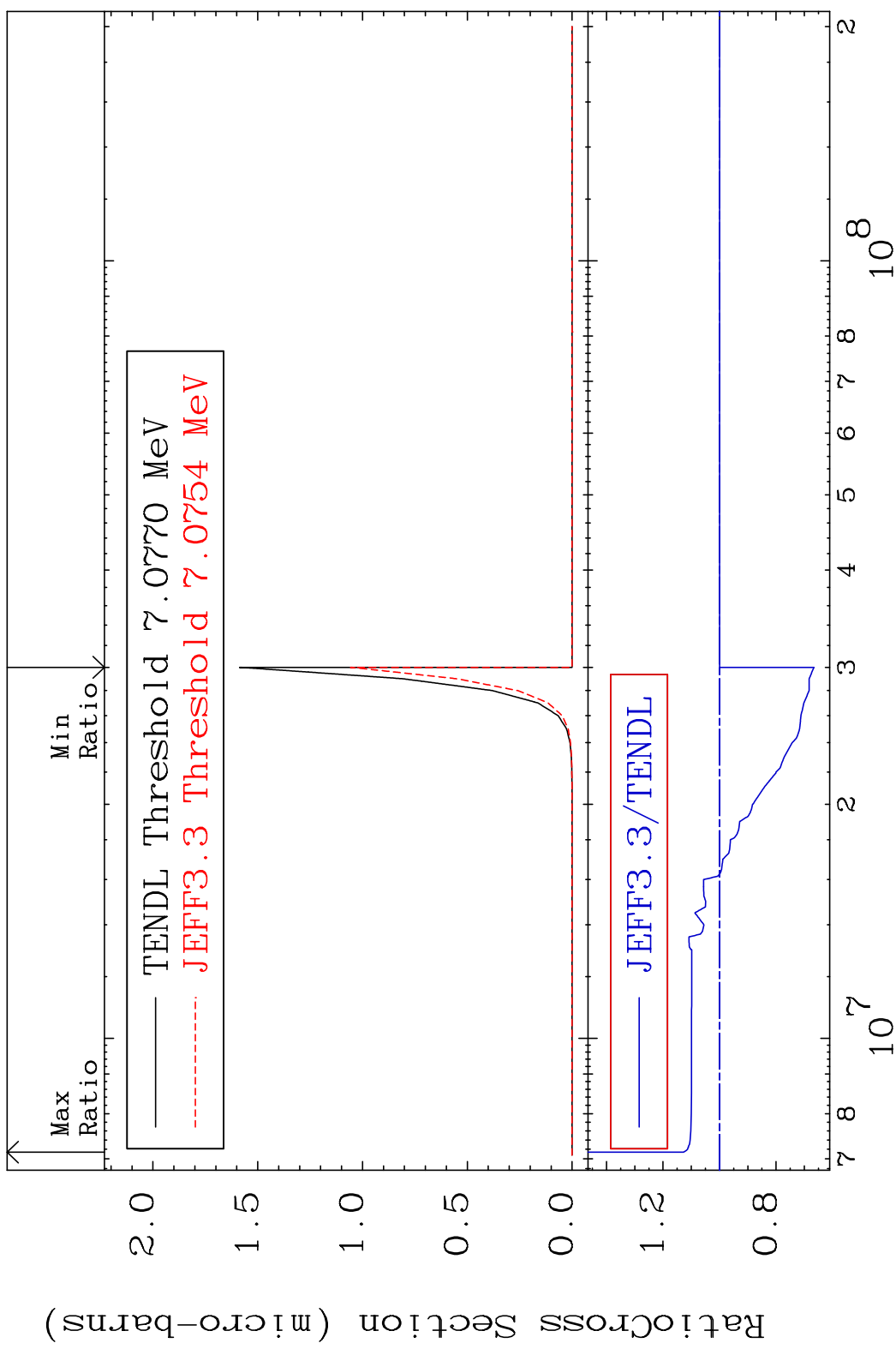


88 Incident Energy (eV) 80-Hg-198

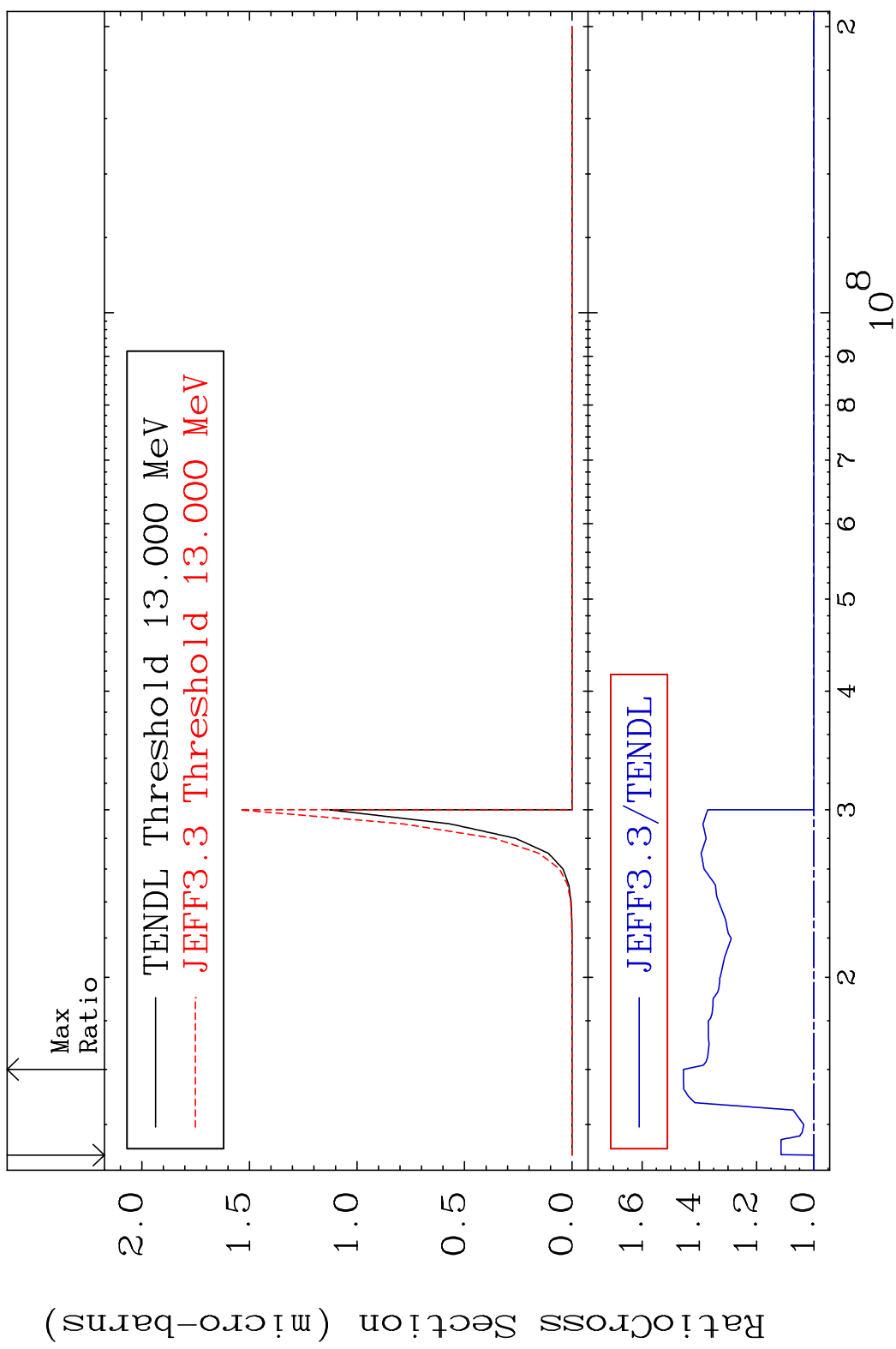


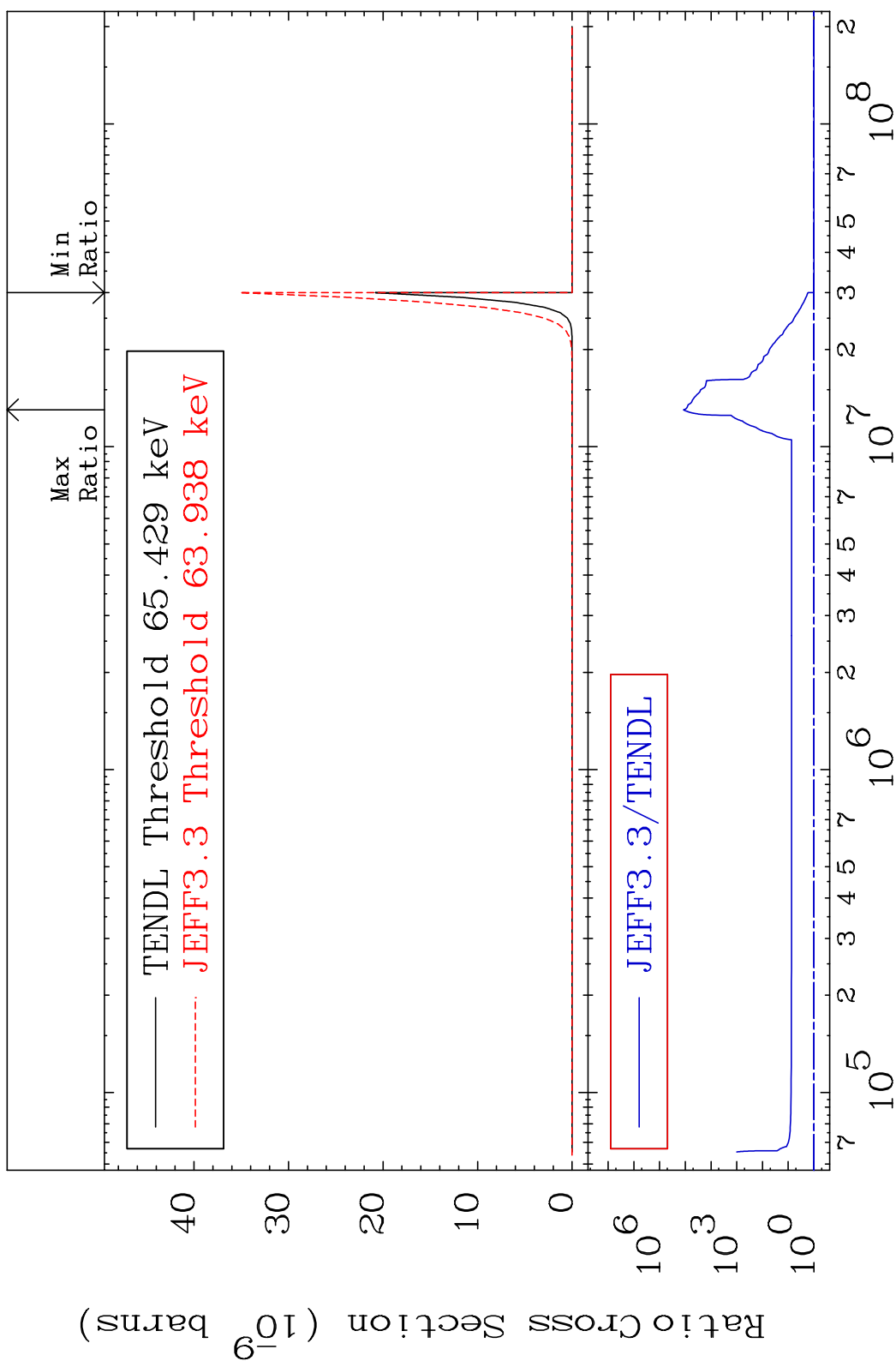


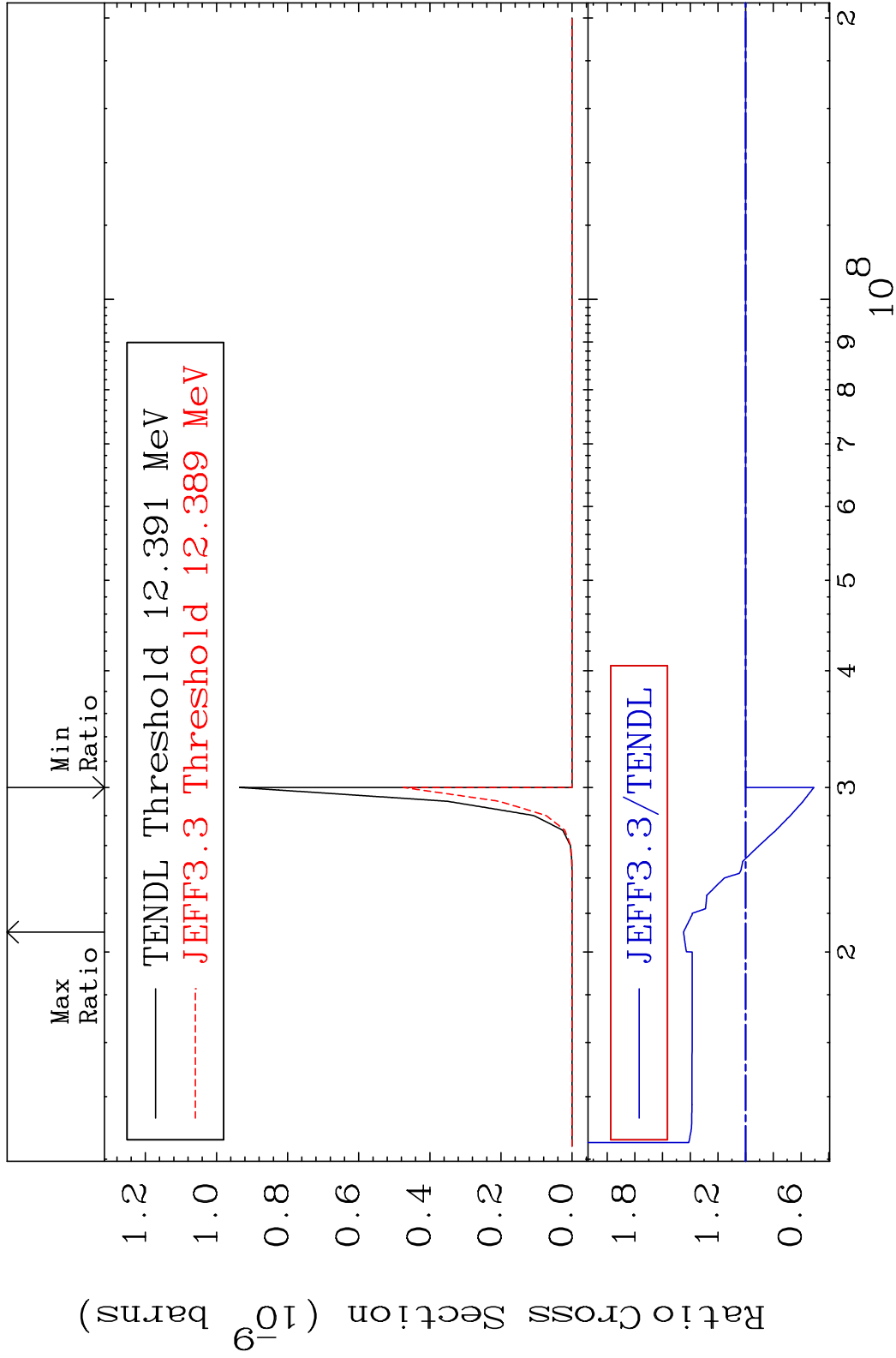
MAT 8031 (n,2p):78-Pt-197g 80-Hg-198  
 Radionuclide Production Cross Section 33e38i dfo 12.78 %



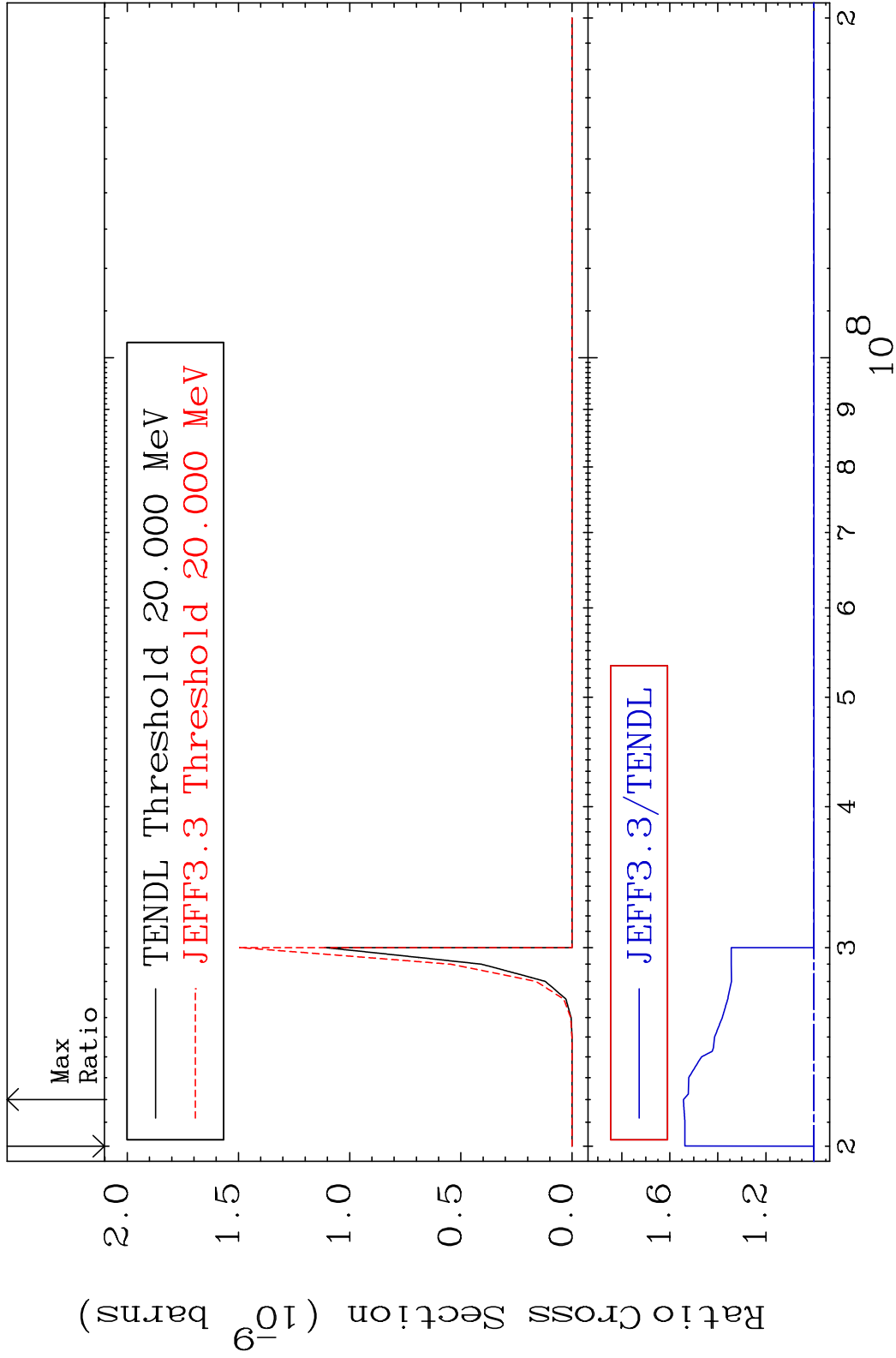
MAT 8031 (n, 2p): 78-Pt-197m9 80-Hg-198  
 Radionuclide Production Cross Section 45.55 %







MAT 8031 (n, p) t:78-Pt-195m7 80-Hg-198  
 Radionuclide Production Cross Section 54.32 %



95 Incident Energy (eV) 80-Hg-198