

Program Complot
(Version 2021-1)

by

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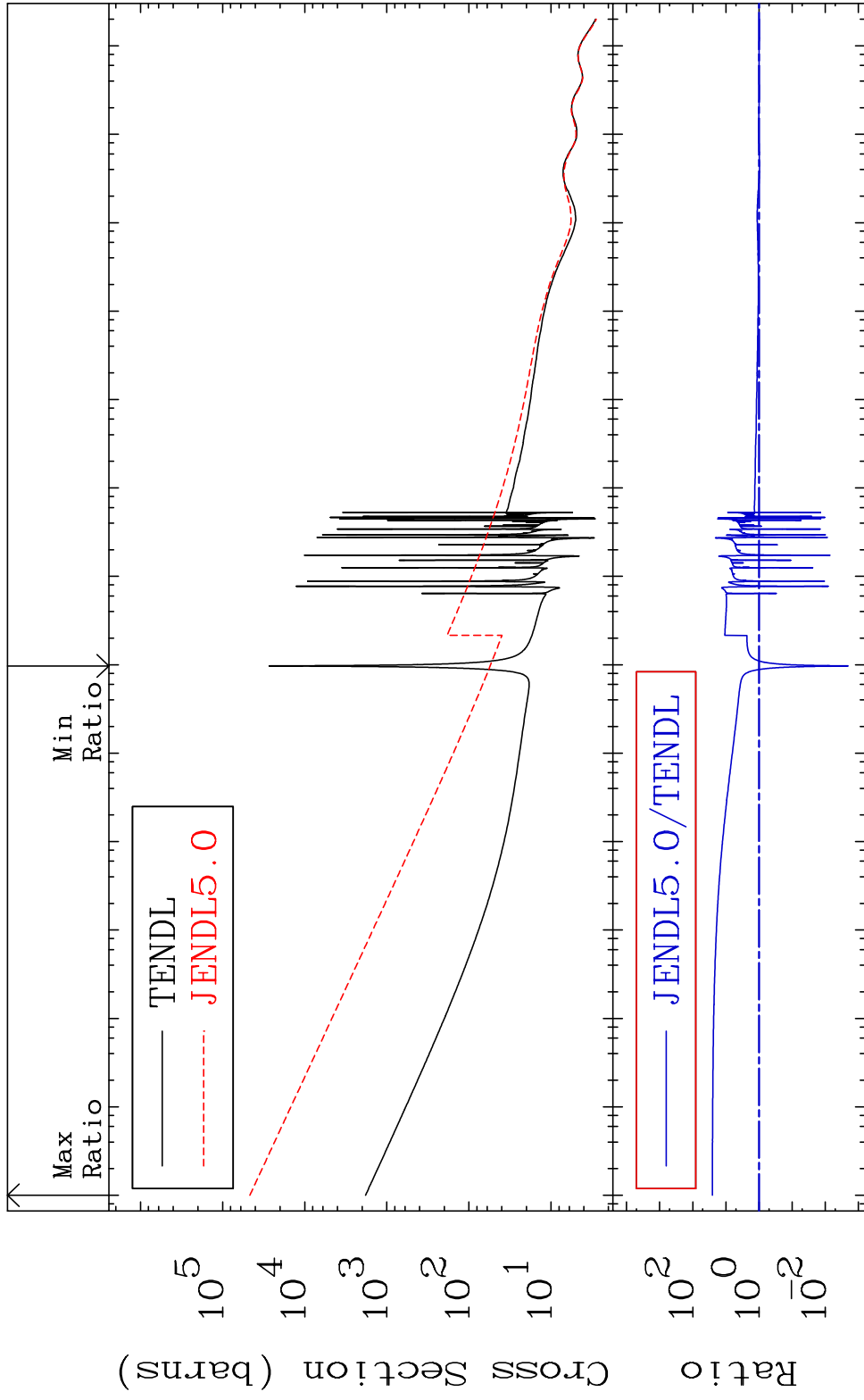
Press Mouse Button to Start

MAT 8019

Total

80-Hg-194

Cross Section -99.80 To 2463. %



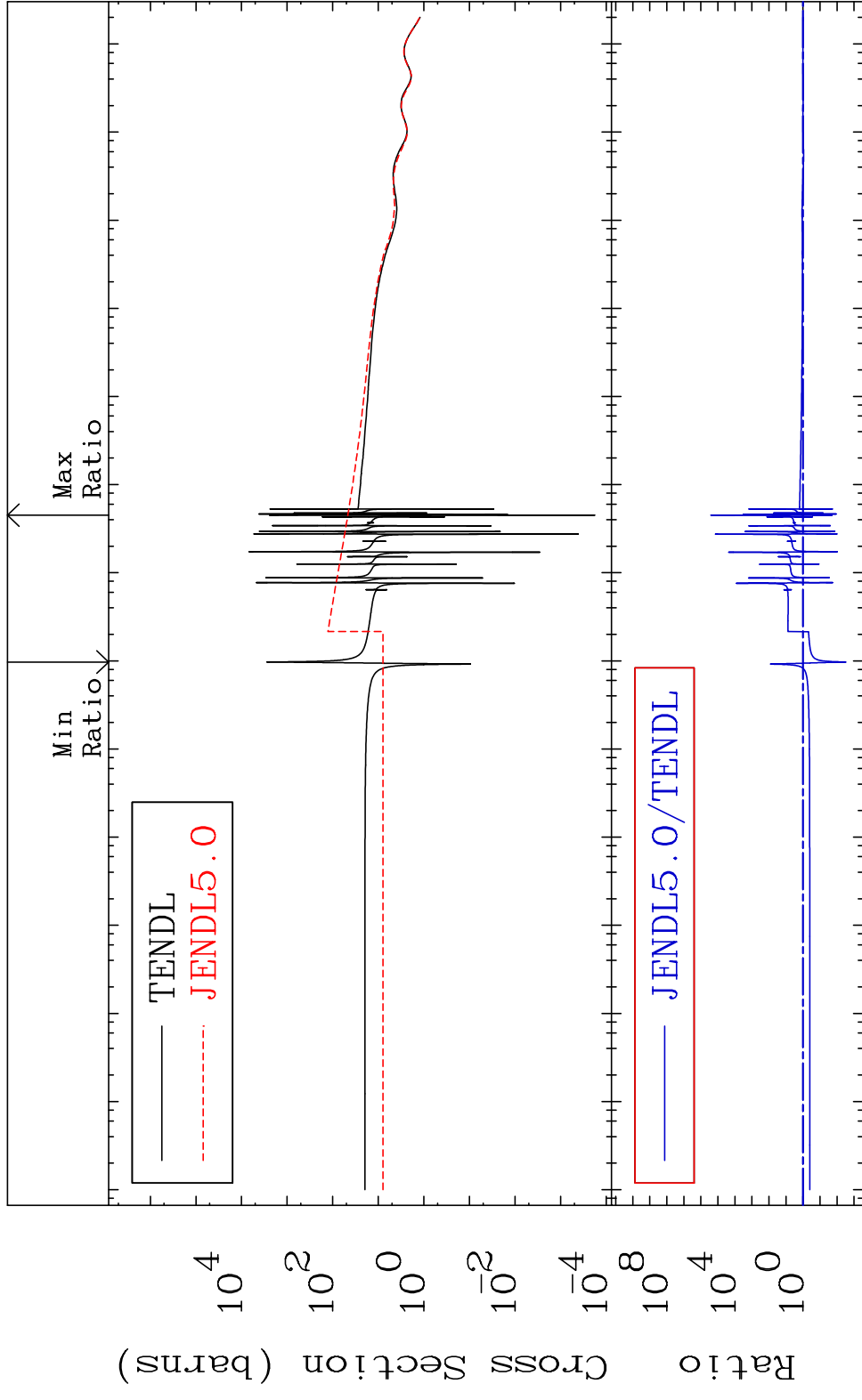
1 Incident Energy (eV) 80-Hg-194

MAT 8019

80-Hg-194

Elastic

Cross Section -99.72 To 9999. %

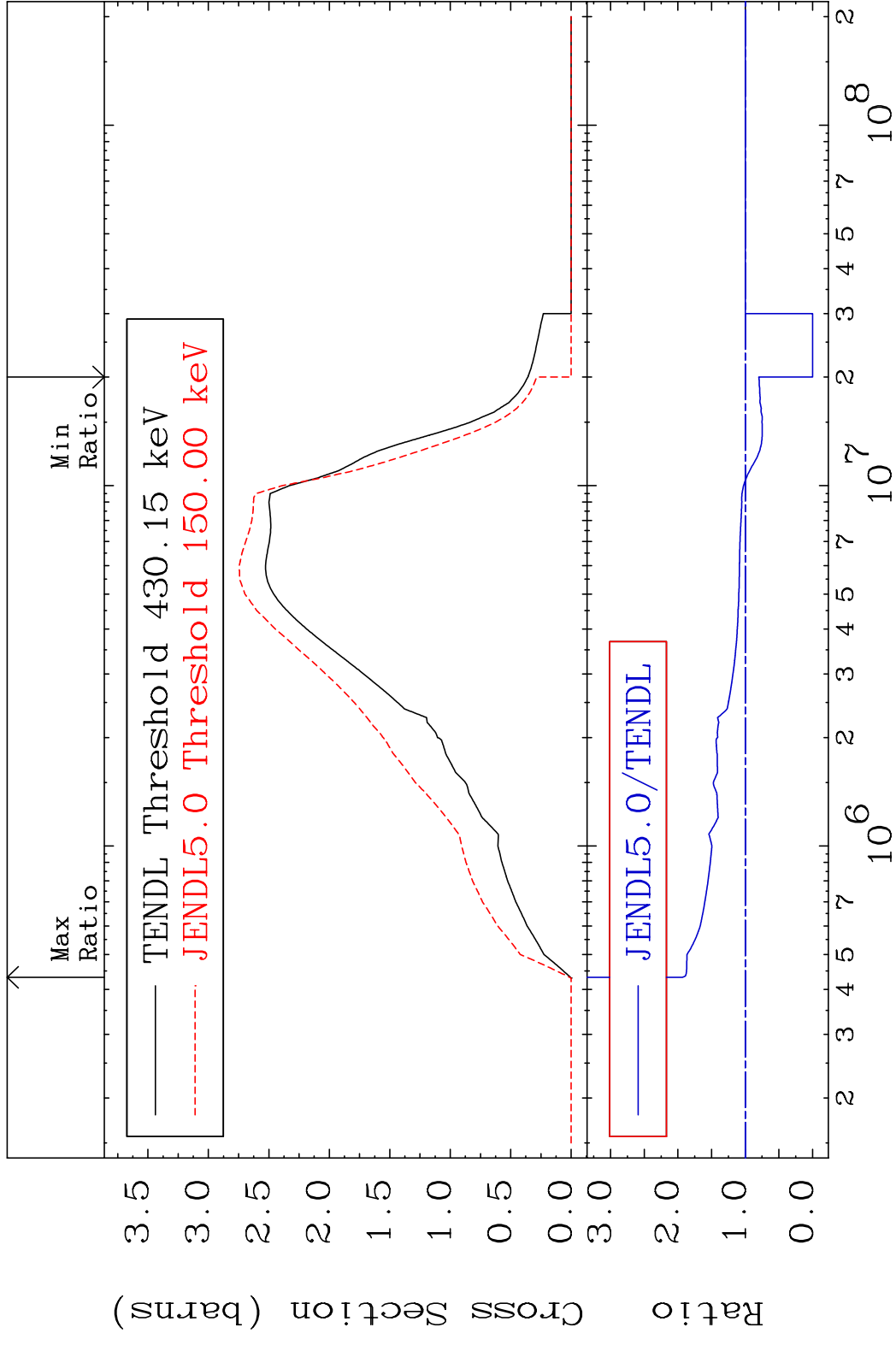


Incident Energy (eV)

2

80-Hg-194

MAT 8019 Inelastic Cross Section -100.0 To 93.41 % 80-Hg-194

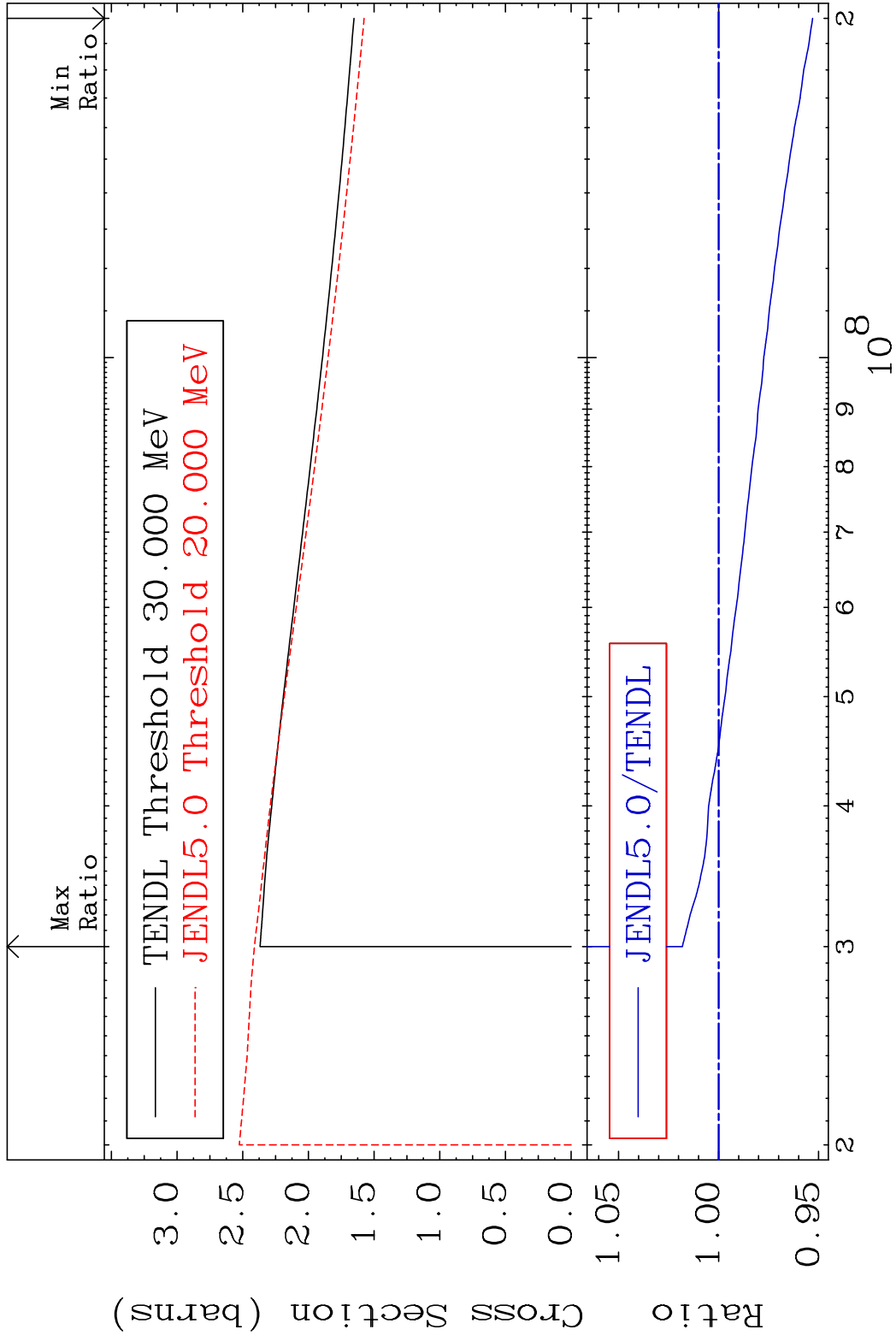


MAT 8019

(n, remainder)

80-Hg-194

Cross Section -4.696 To 1.812 %



4

Incident Energy (eV)

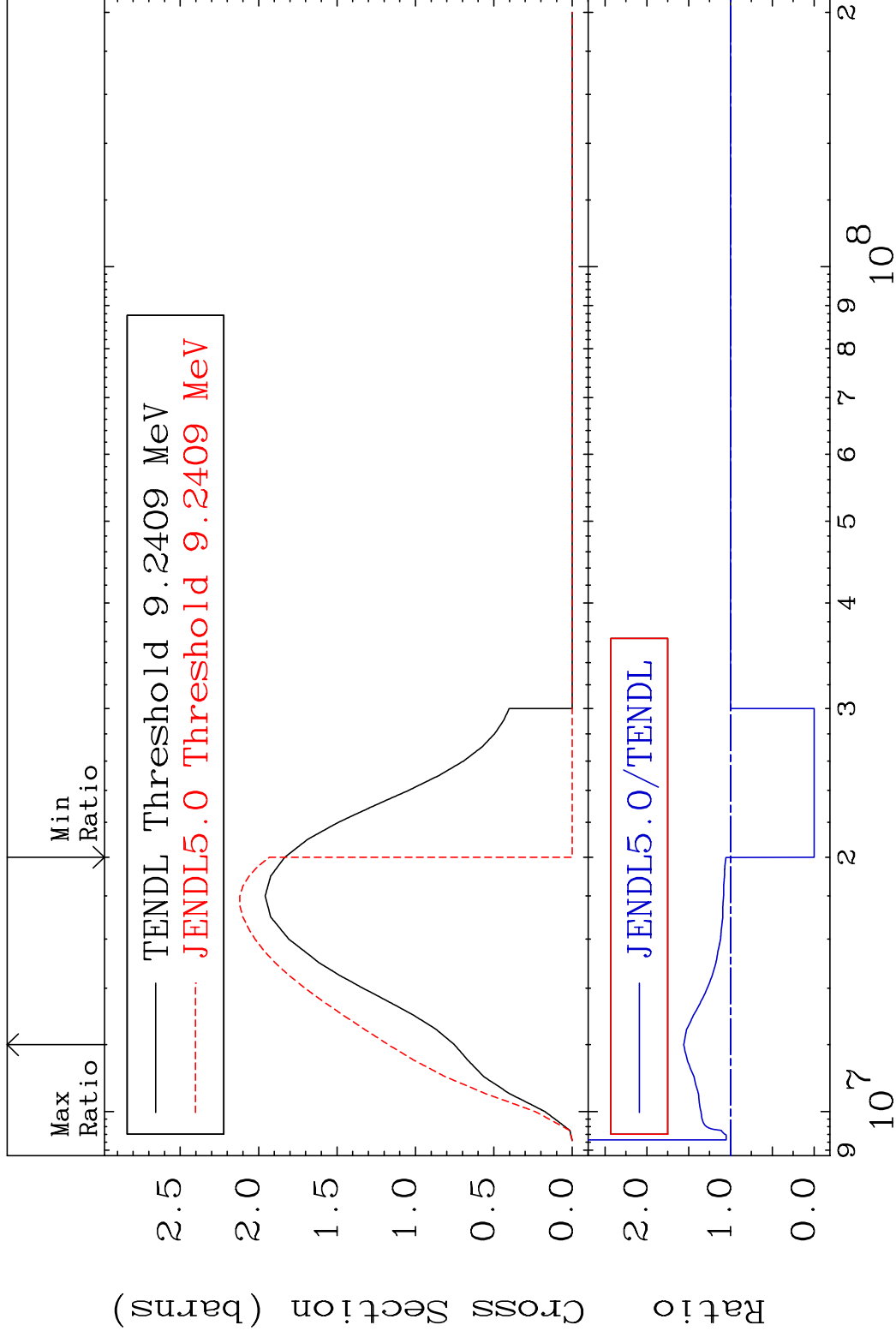
80-Hg-194

MAT 8019

(n,2n)

80-Hg-194

Cross Section -100.0 To 56.00 %



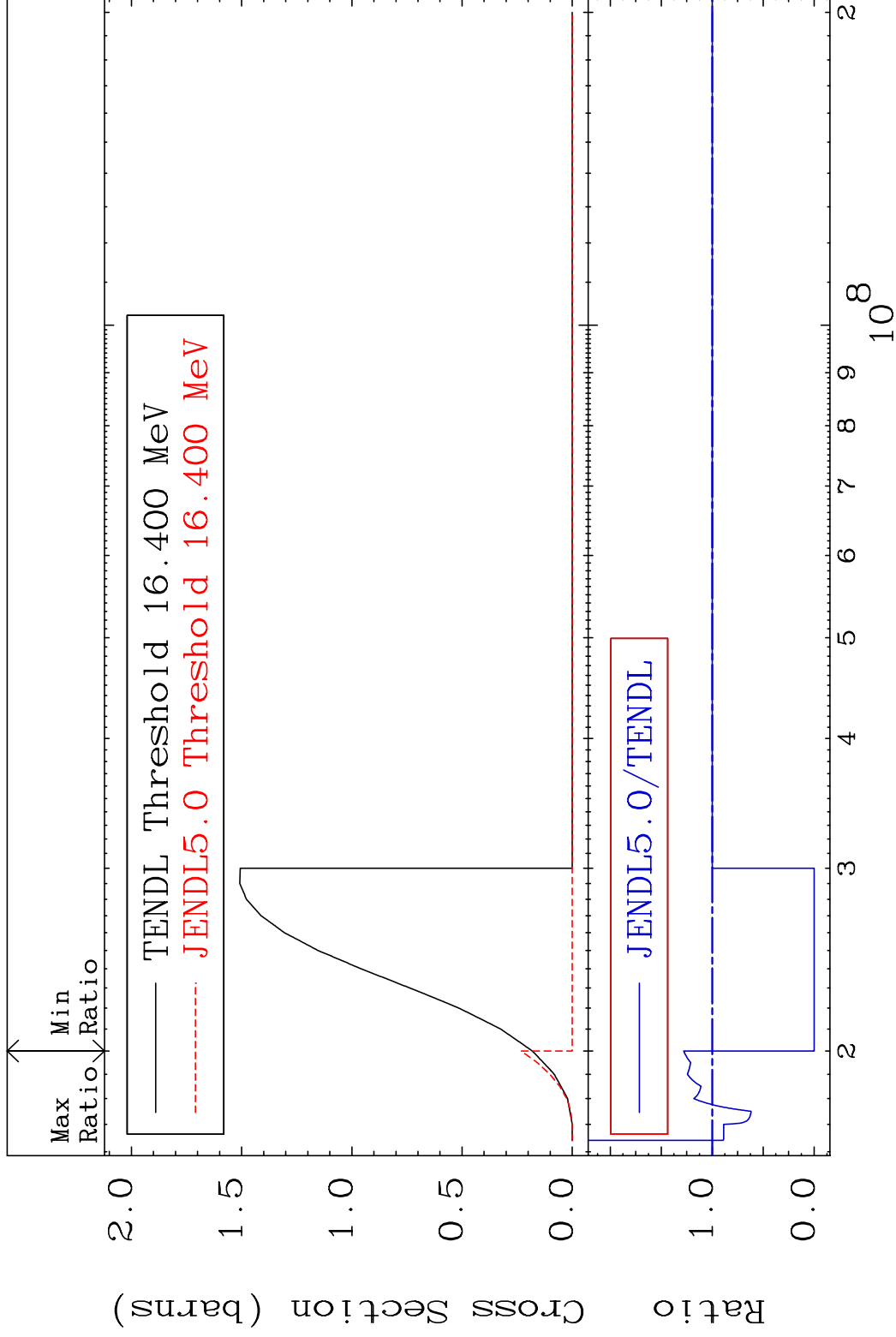
5 Incident Energy (eV) 80-Hg-194

MAT 8019

(n,3n)

80-Hg-194

Cross Section -100.0 To 27.97 %



6

Incident Energy (eV)

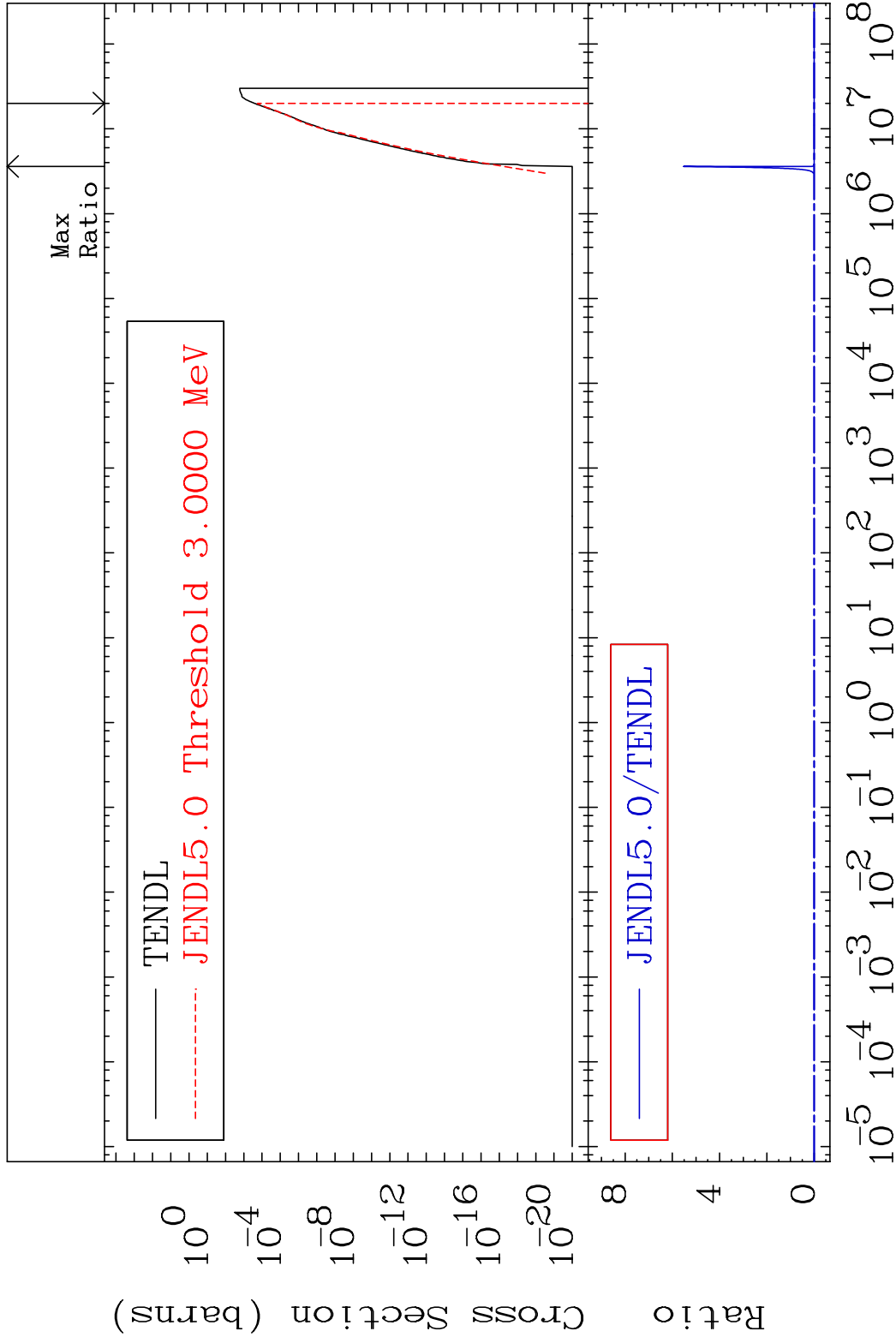
80-Hg-194

MAT 8019

(n, n') α

80-Hg-194

Cross Section -100.0 To 9999. %

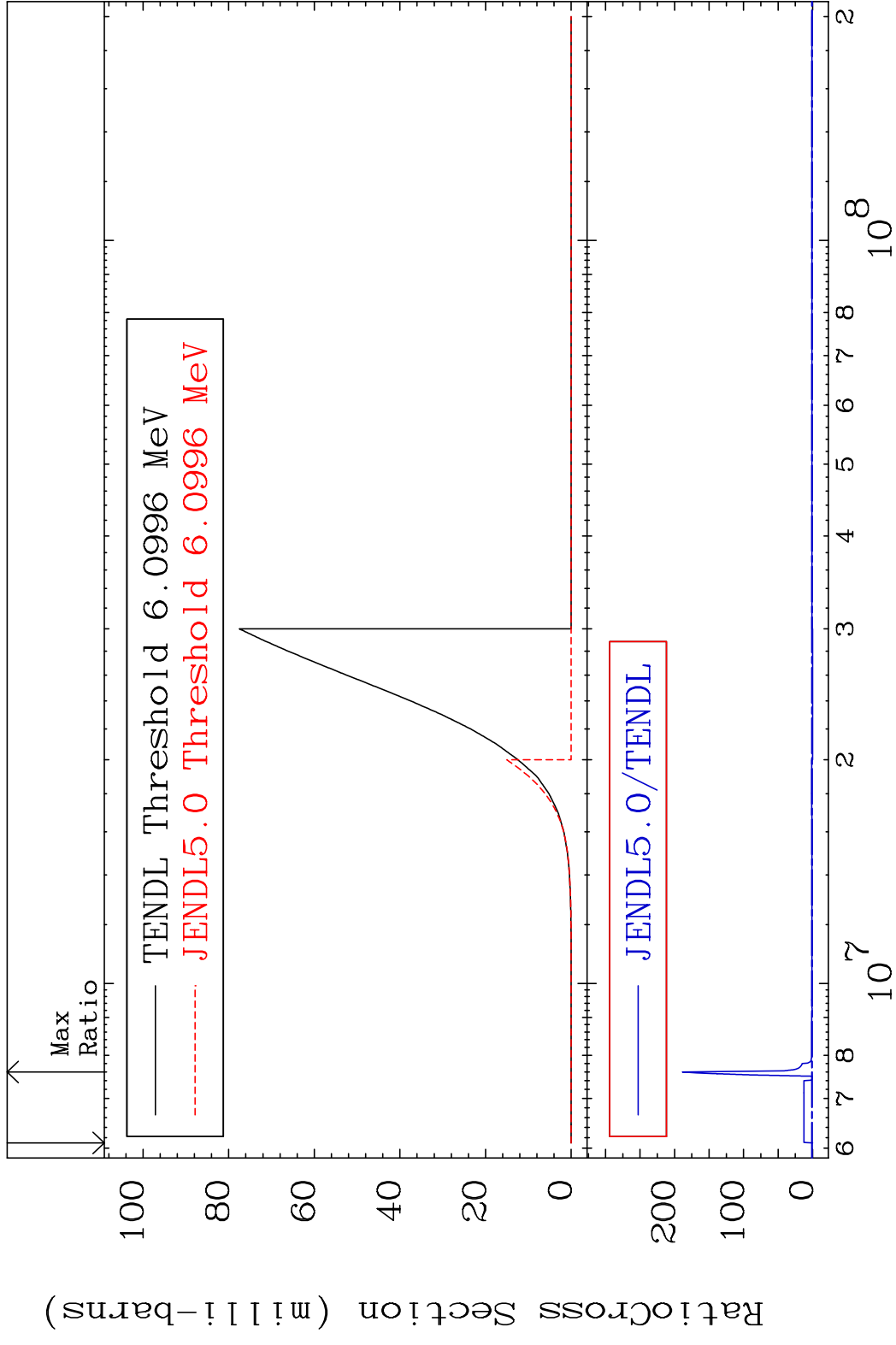


7

Incident Energy (eV)

80-Hg-194

MAT 8019 (n, n') p 80-Hg-194
 Cross Section -100.0 To 9999. %



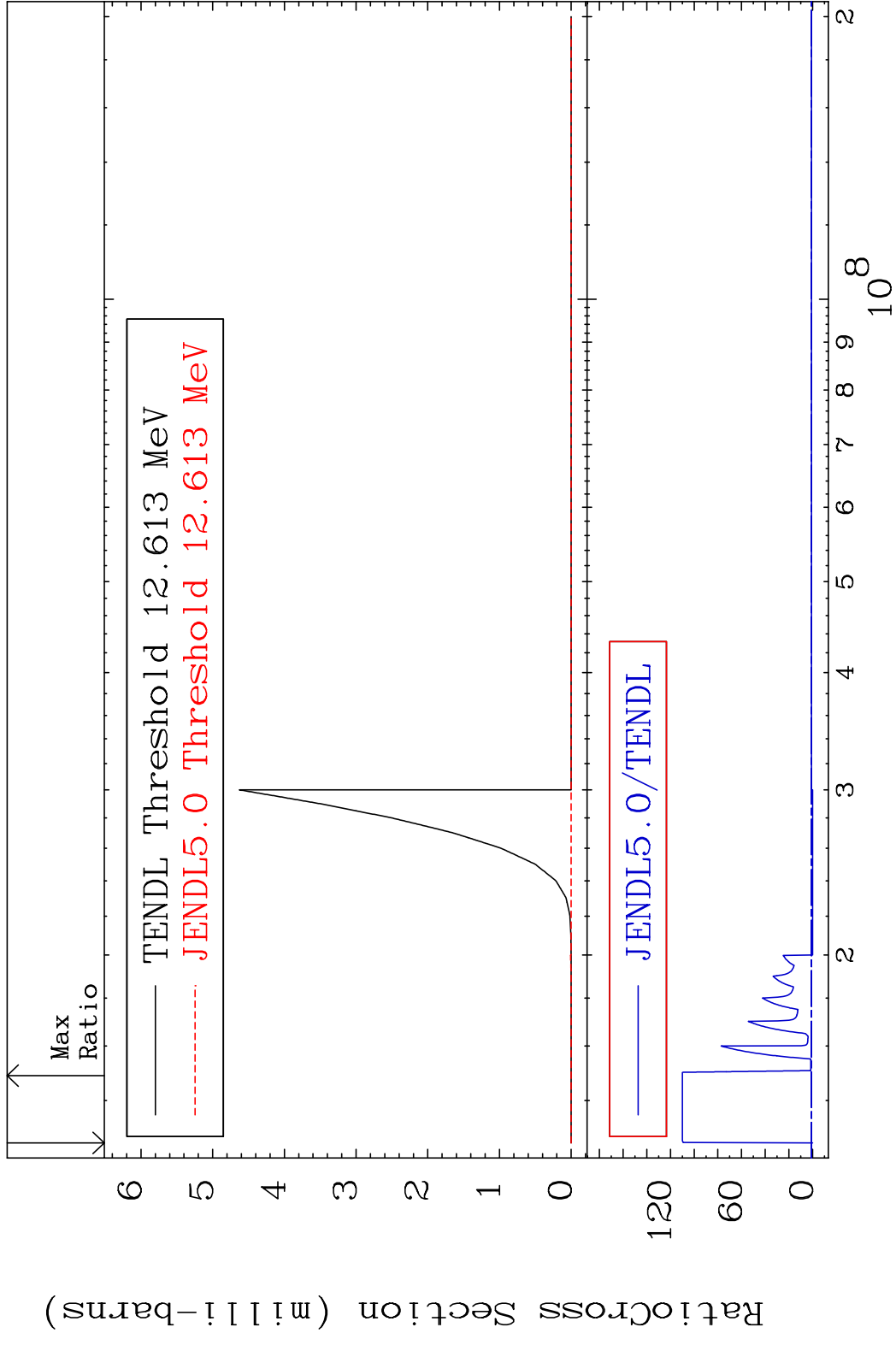
8 8 80-Hg-194

MAT 8019

(n, n') d

80-Hg-194

Cross Section -100.0 To 9999. %

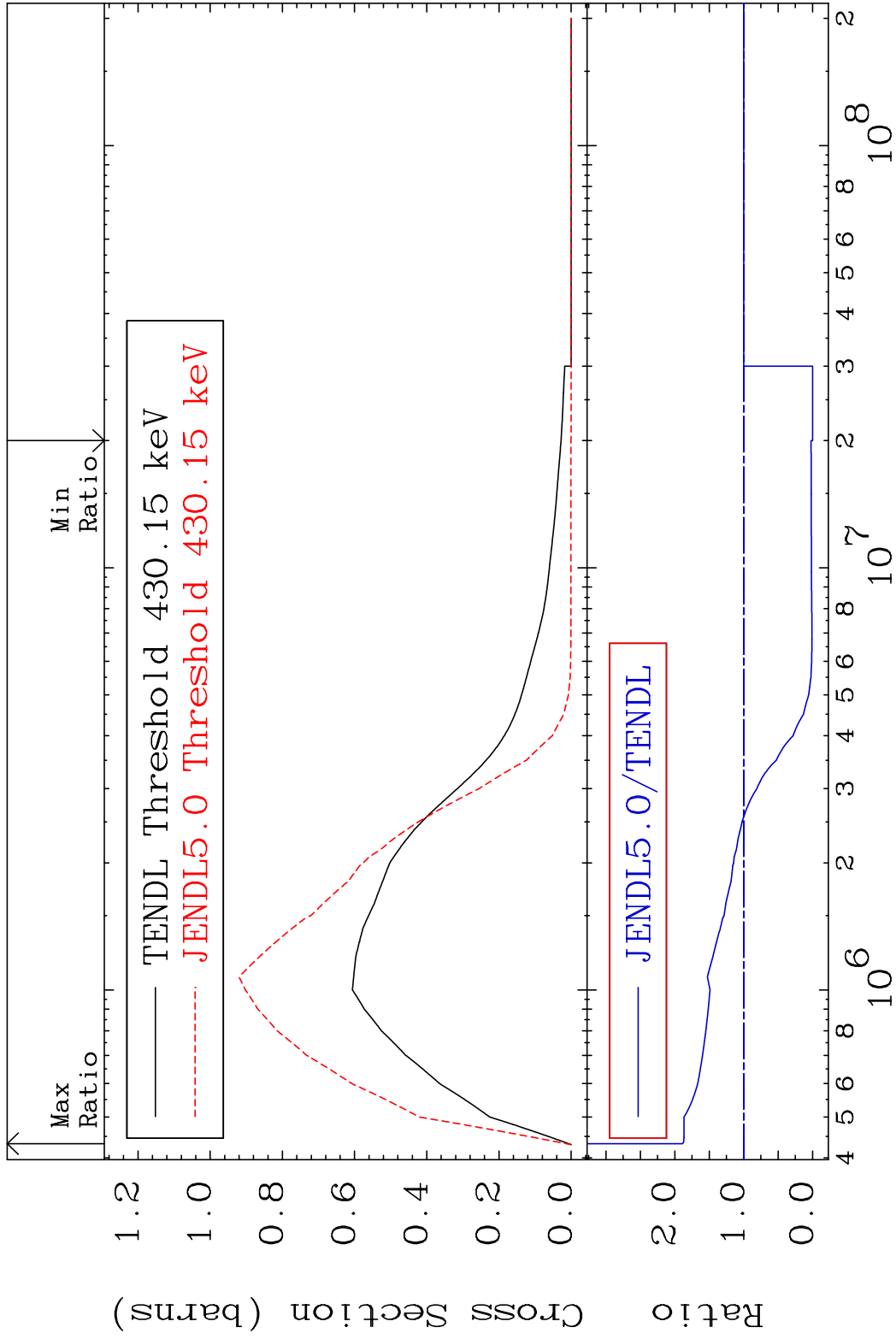


9

Incident Energy (eV)

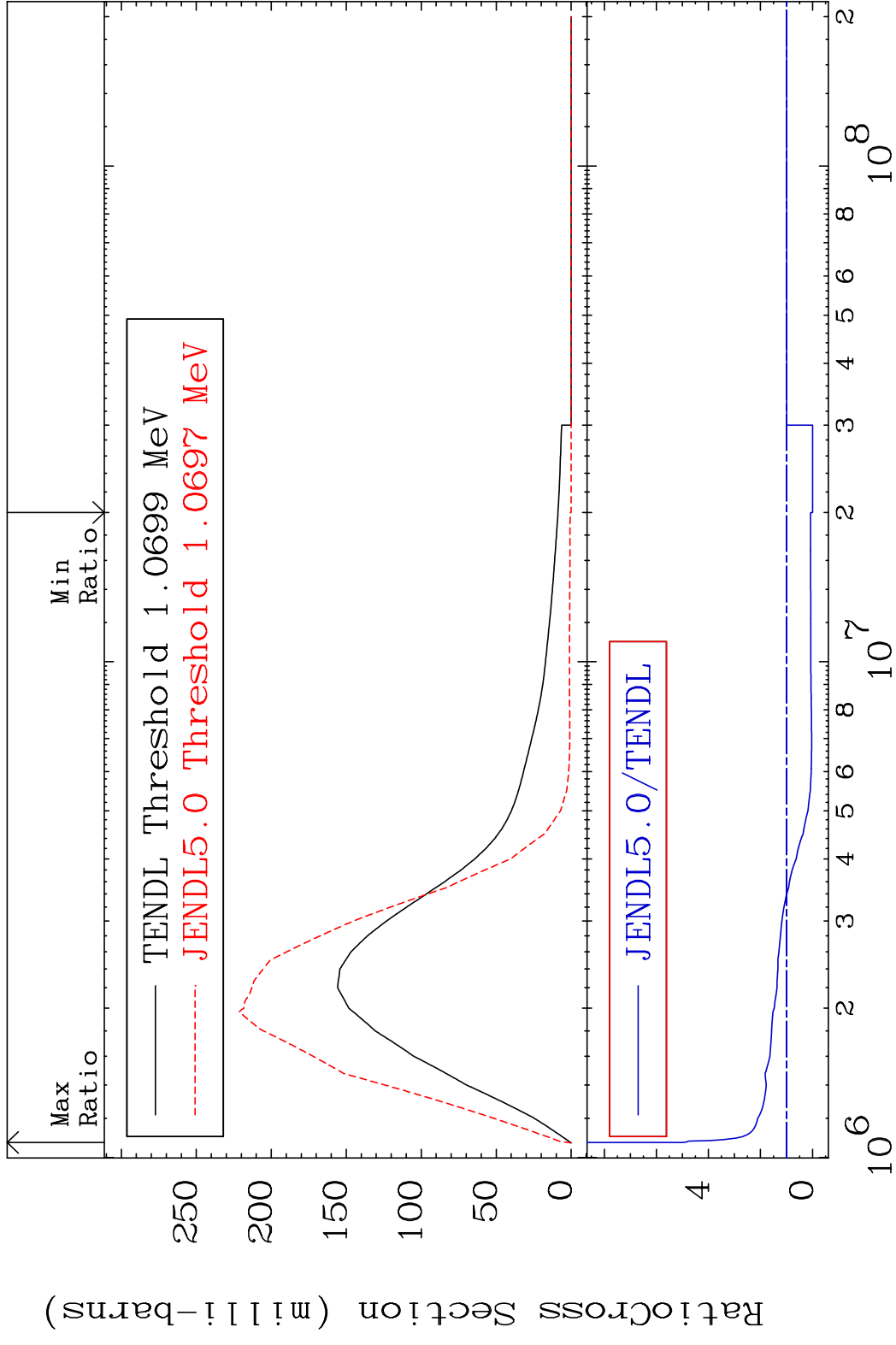
80-Hg-194

MAT 8019 MT= 51 (n, n') Level 80-Hg-194
Cross Section -100.0 To 89.07 %



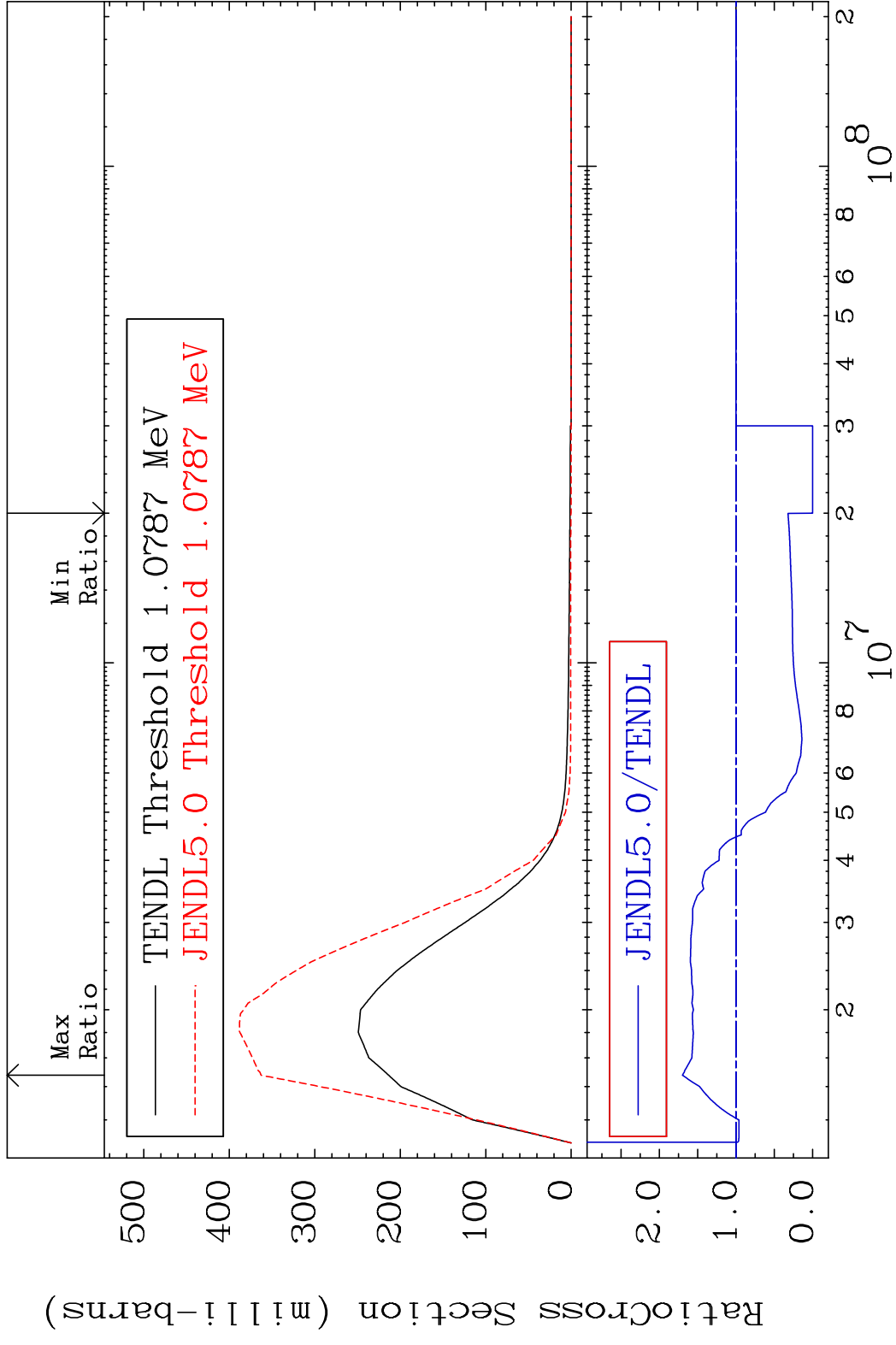
10 Incident Energy (eV) 80-Hg-194

MAT 8019 MT= 52 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 400.2 %

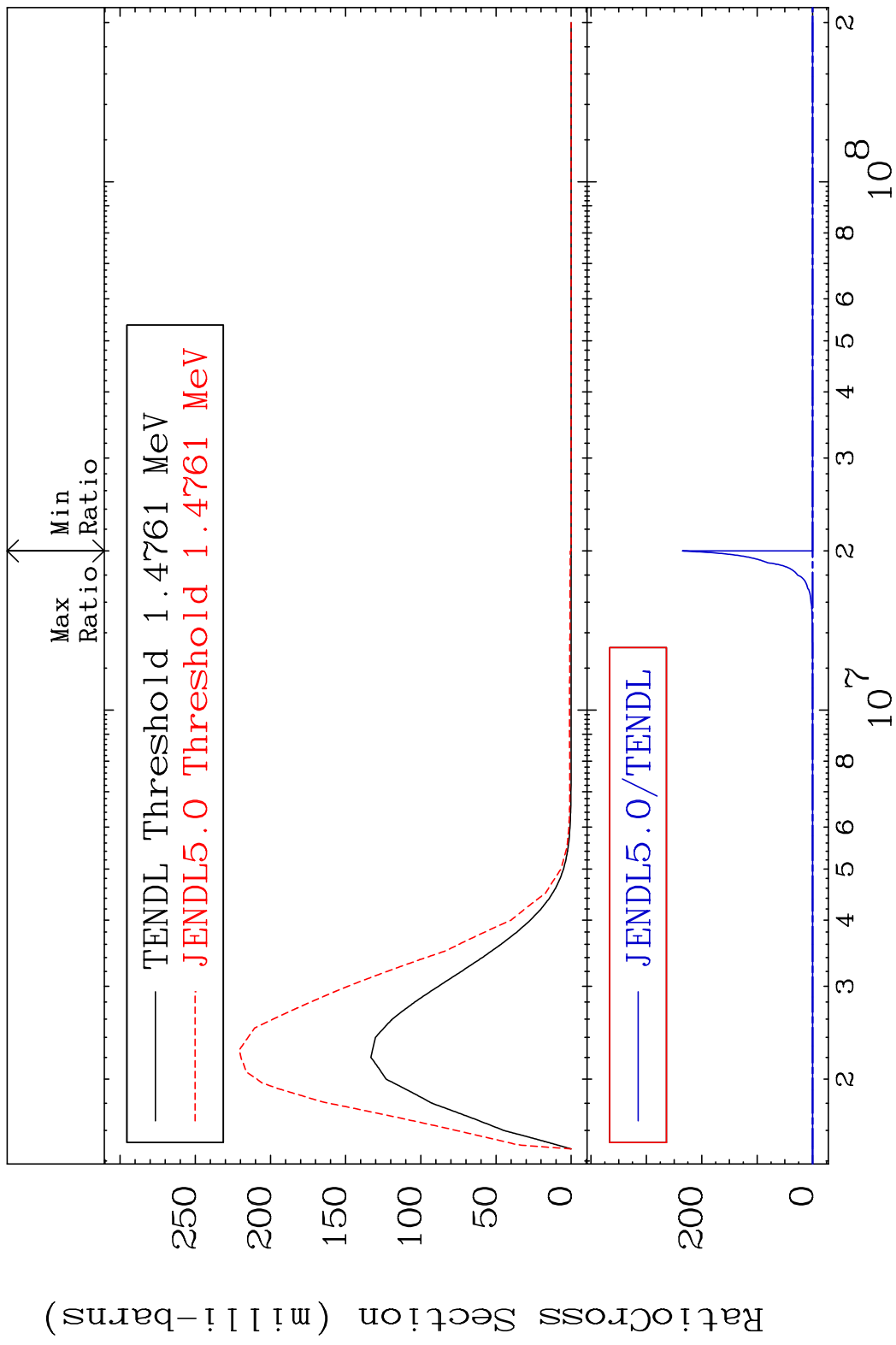


11 Incident Energy (eV) 80-Hg-194

MAT 8019 MT= 53 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 69.90 %

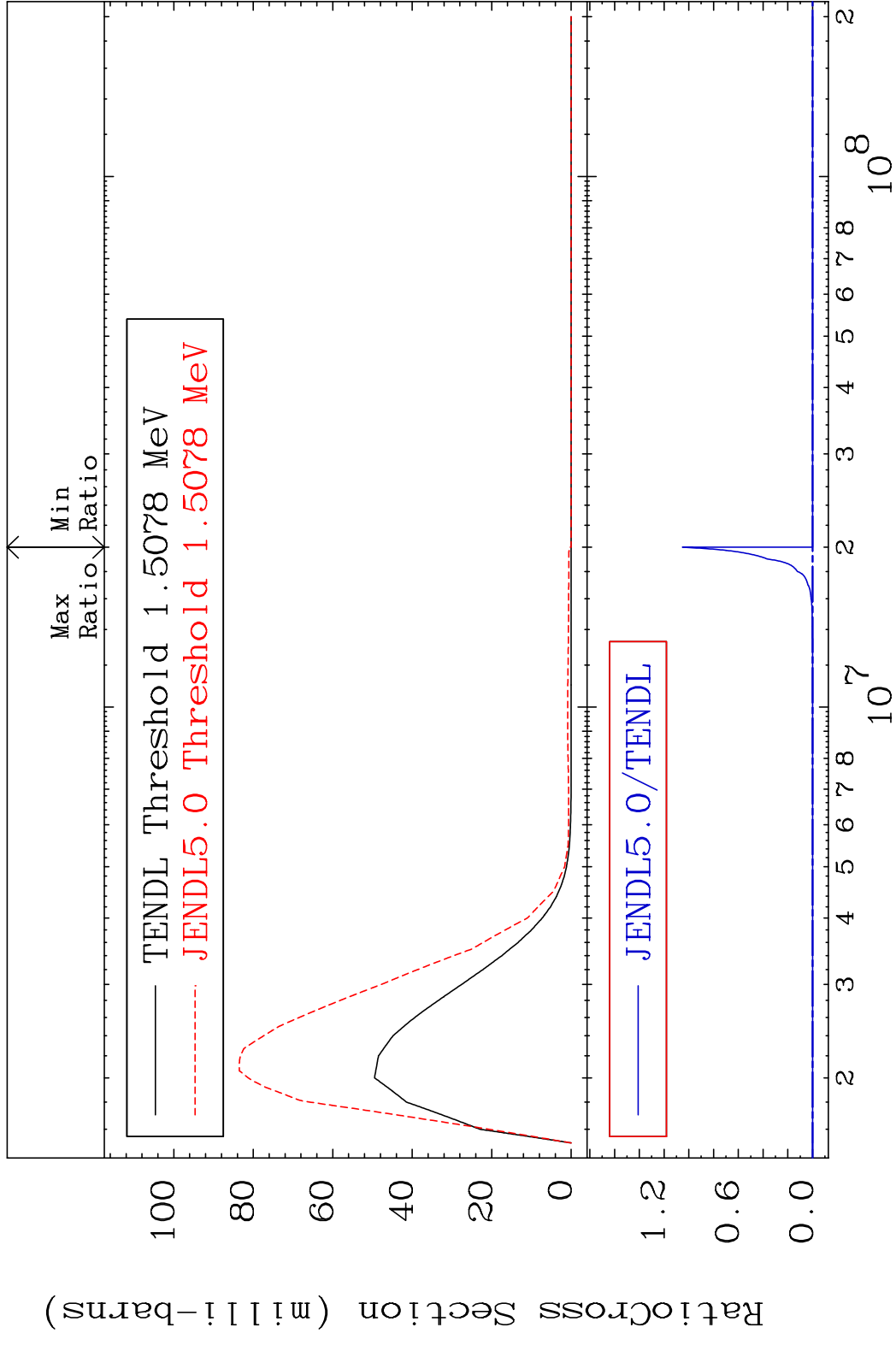


MAT 8019 MT= 54 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 9999. %

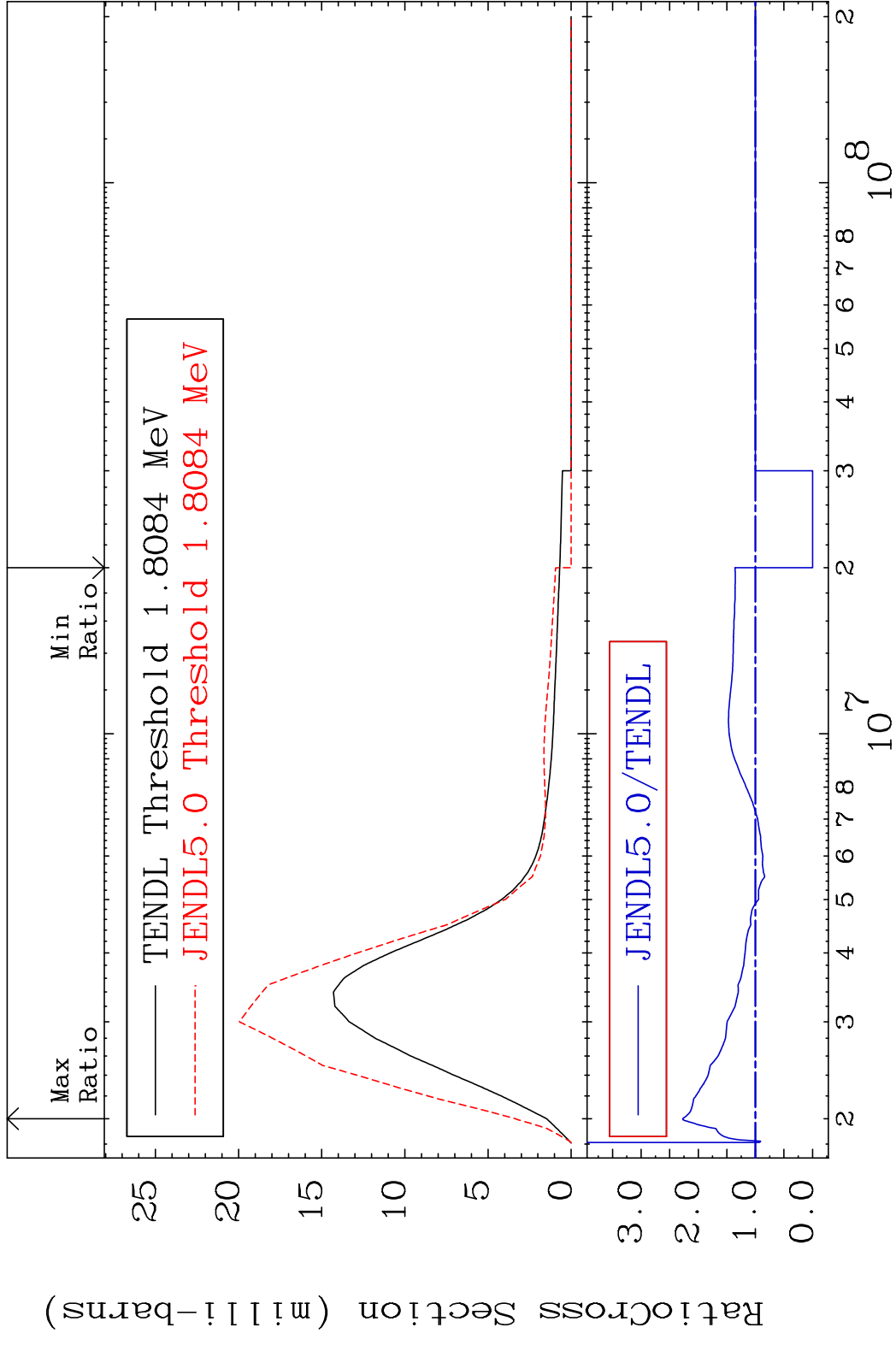


13 Incident Energy (eV) 80-Hg-194

MAT 8019 MT= 55 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 9999. %

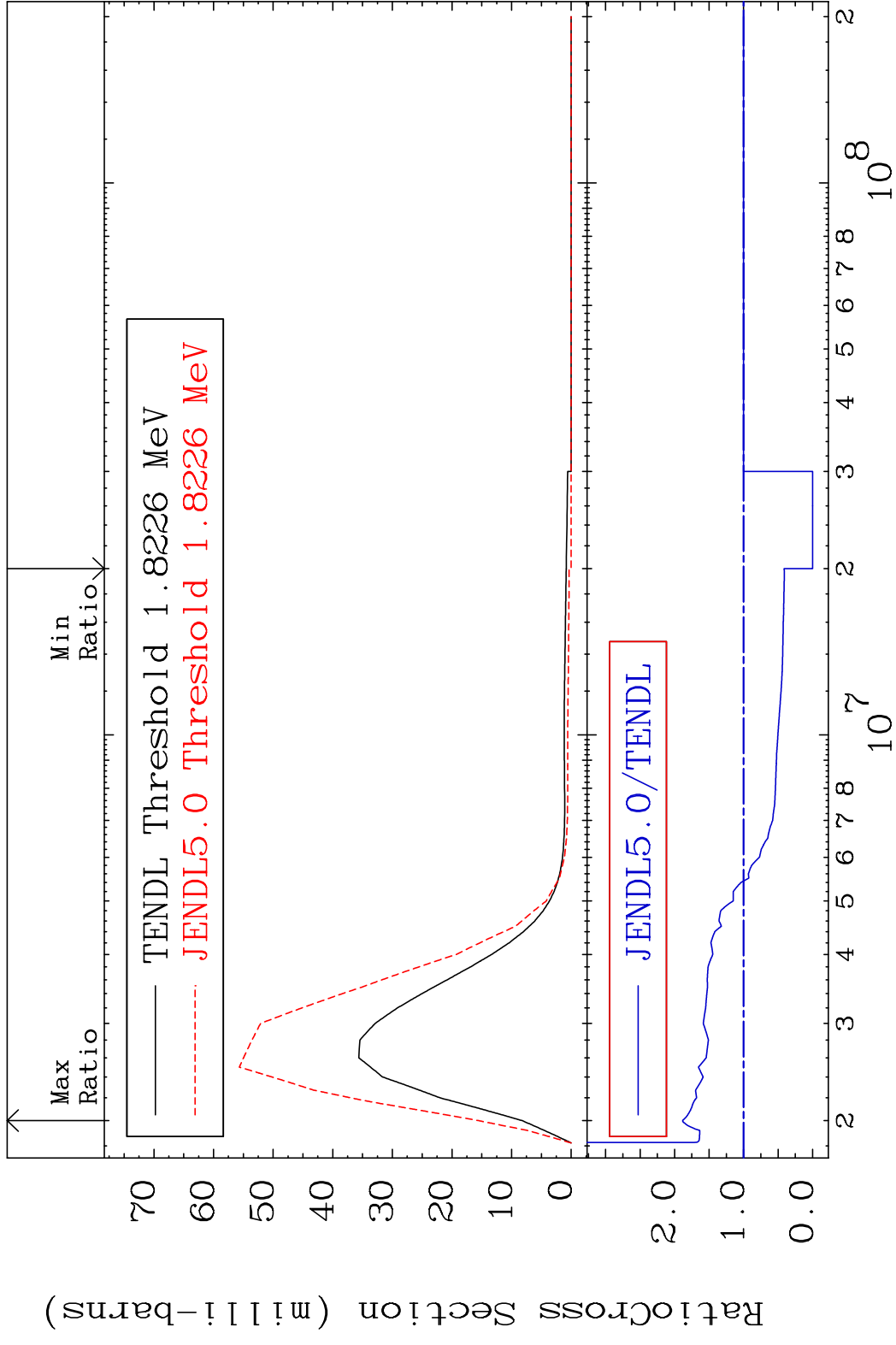


MAT 8019 MT= 56 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 127.8 %

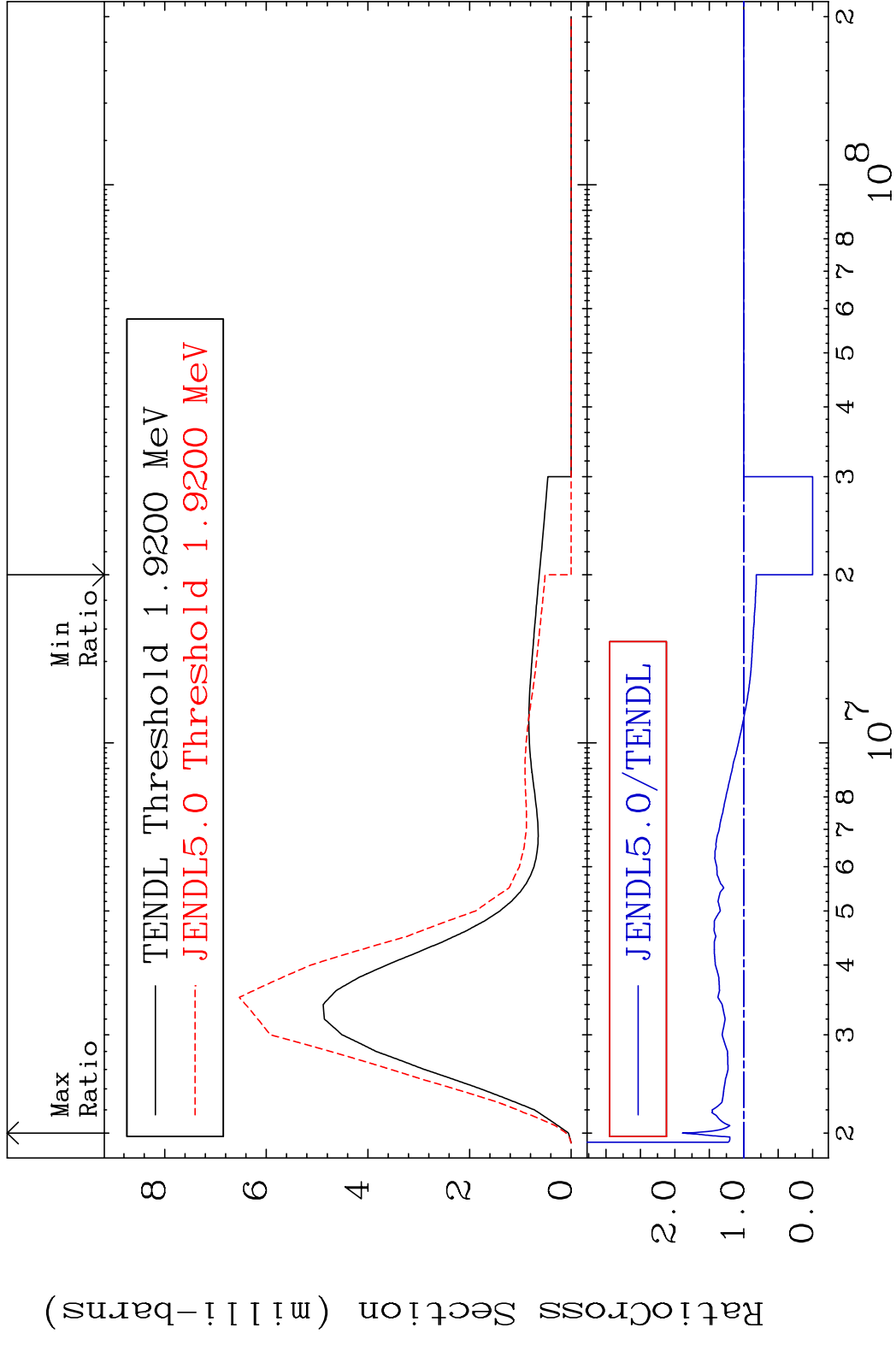


15 80-Hg-194

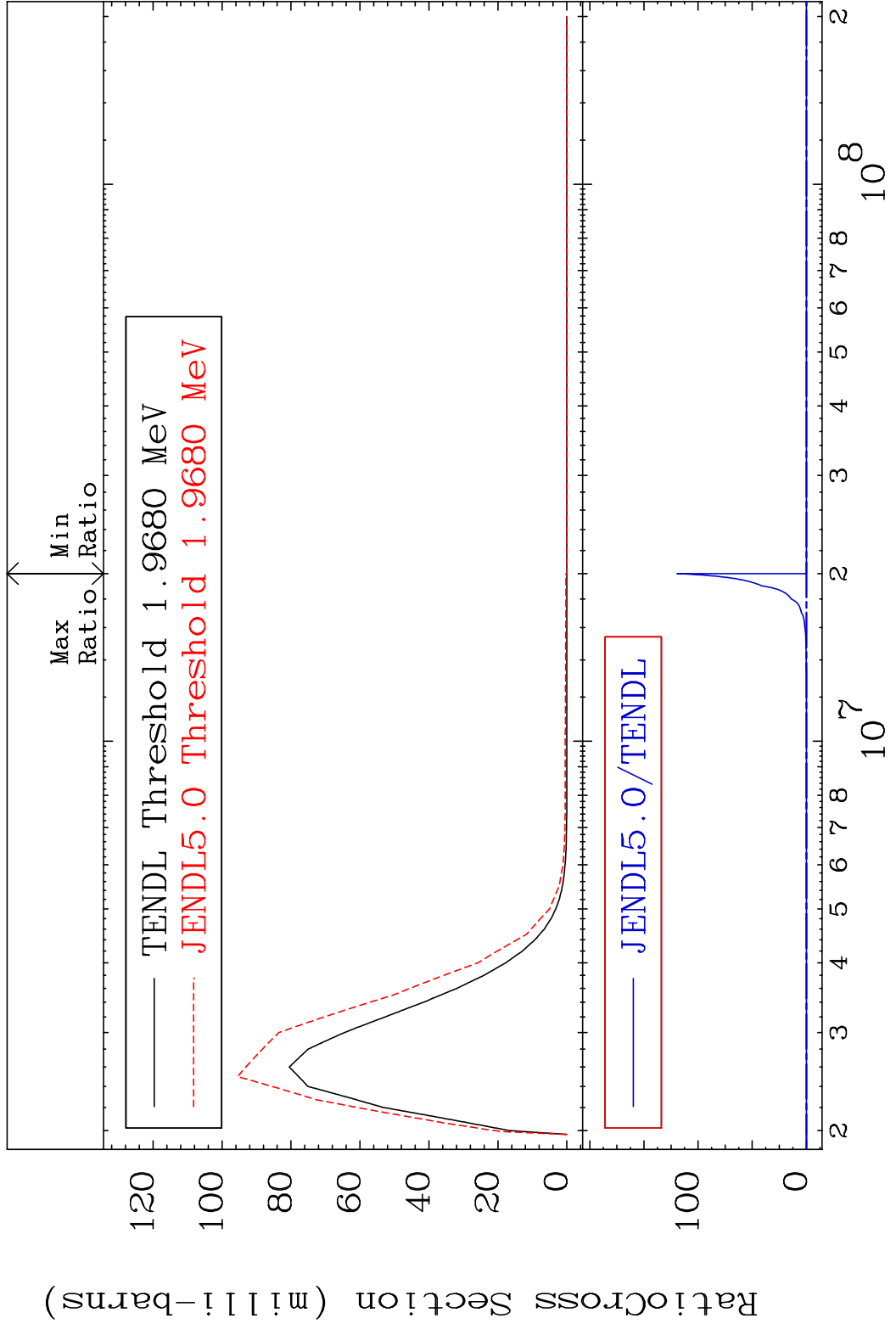
MAT 8019 MT= 57 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 88.76 %



MAT 8019 MT= 58 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 89.03 %

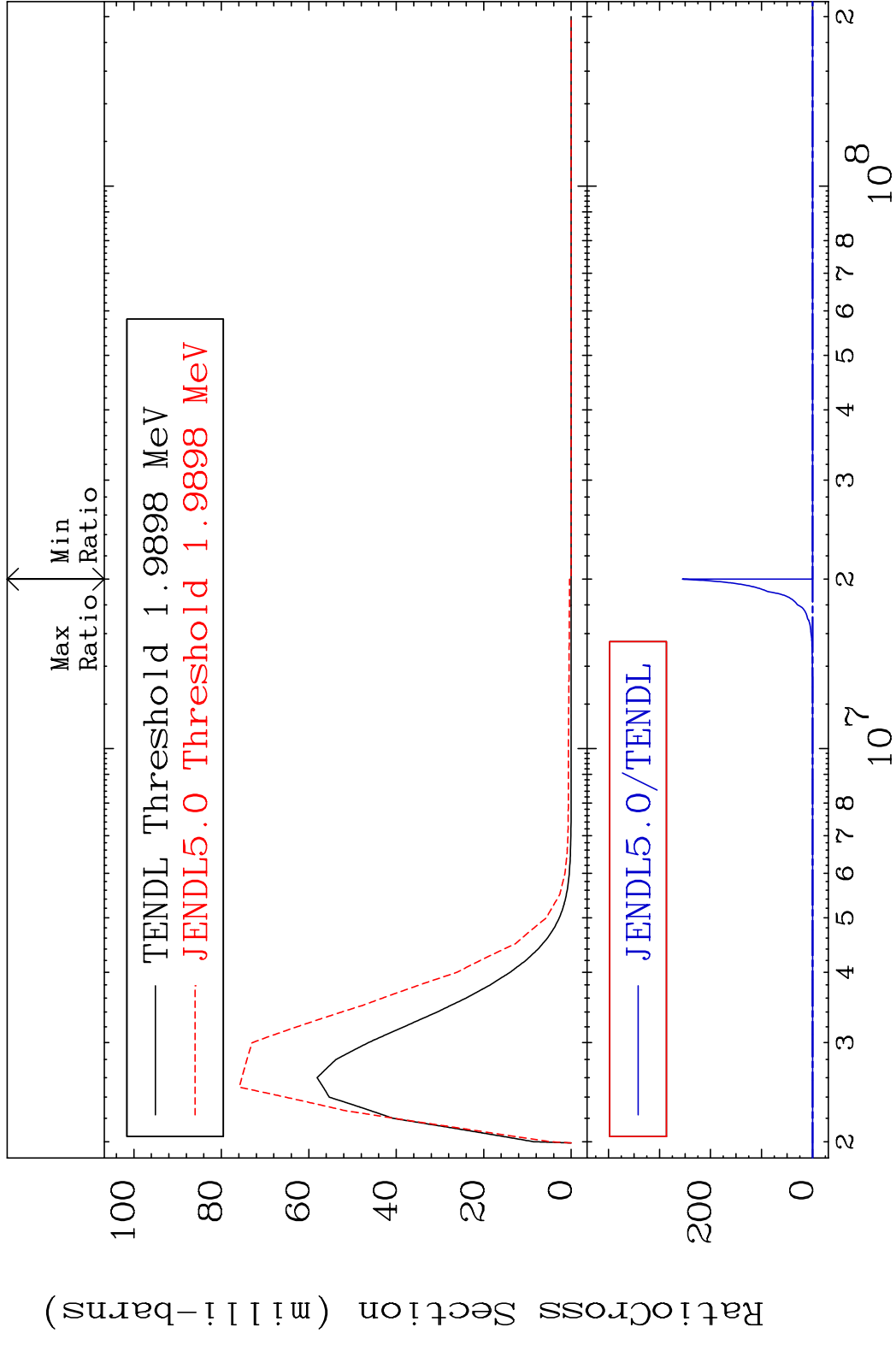


MAT 8019 MT= 59 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 9999. %



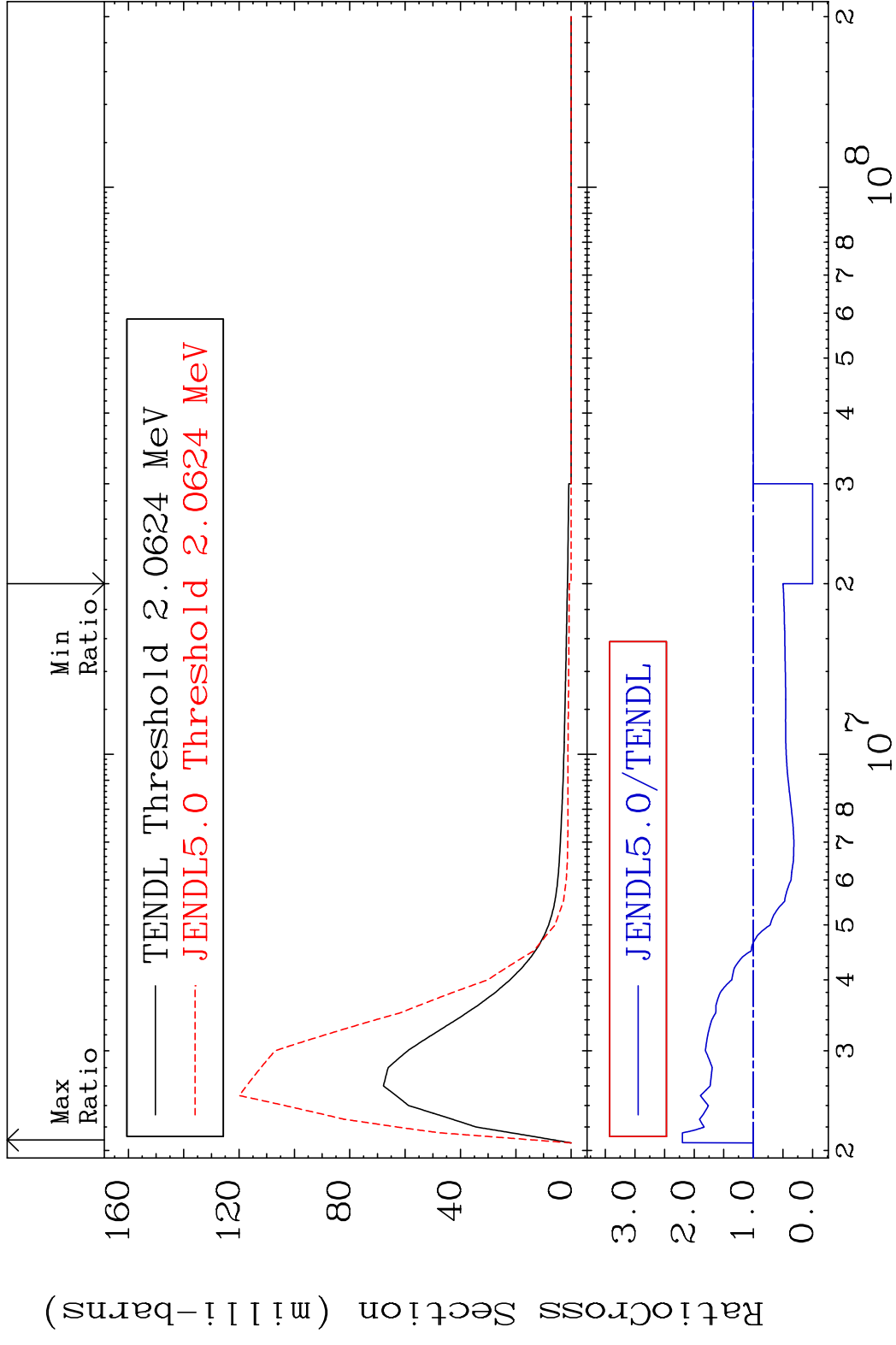
18 Incident Energy (eV) 80-Hg-194

MAT 8019 MT= 60 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 9999. %

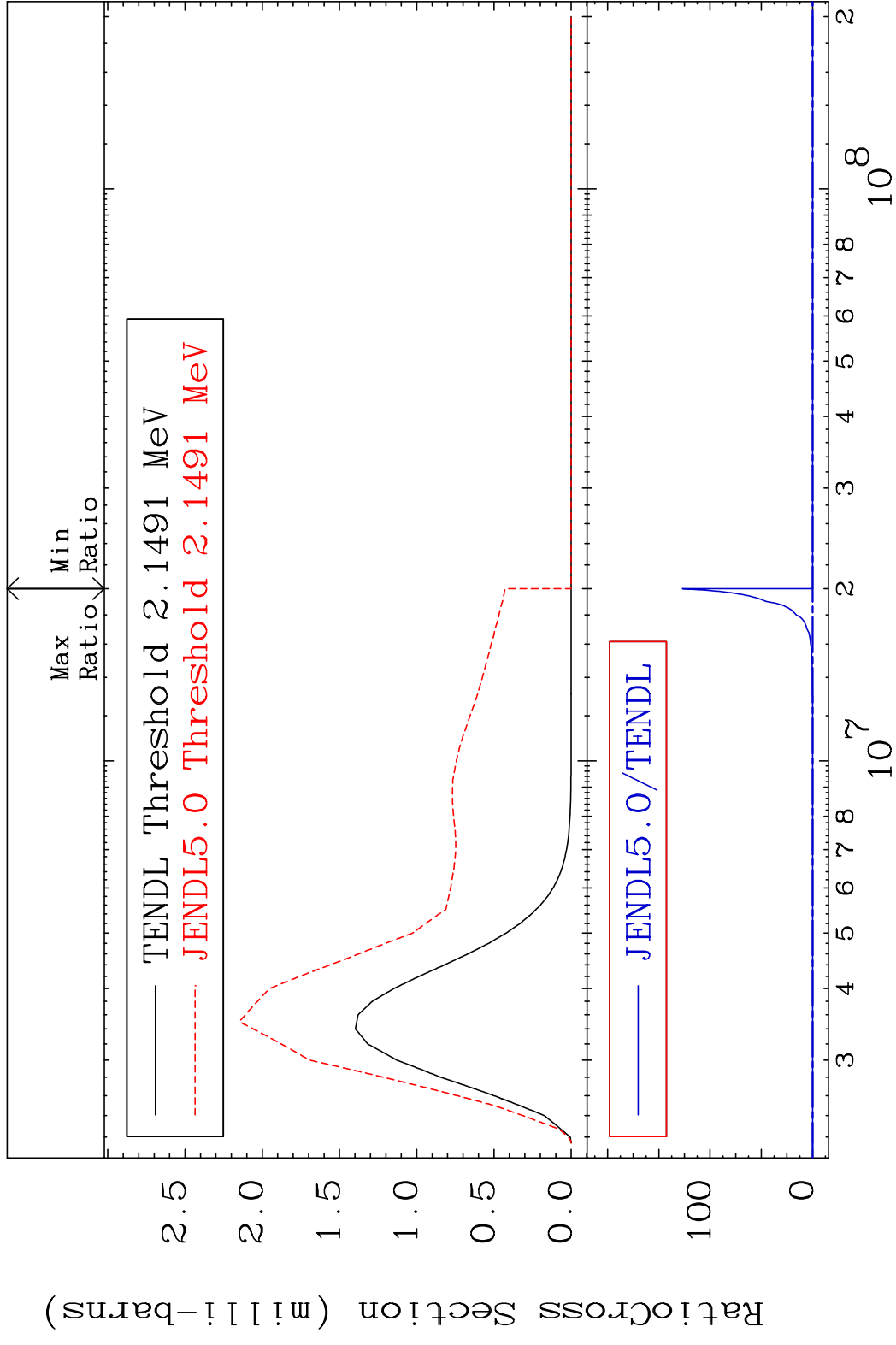


19 Incident Energy (eV) 80-Hg-194

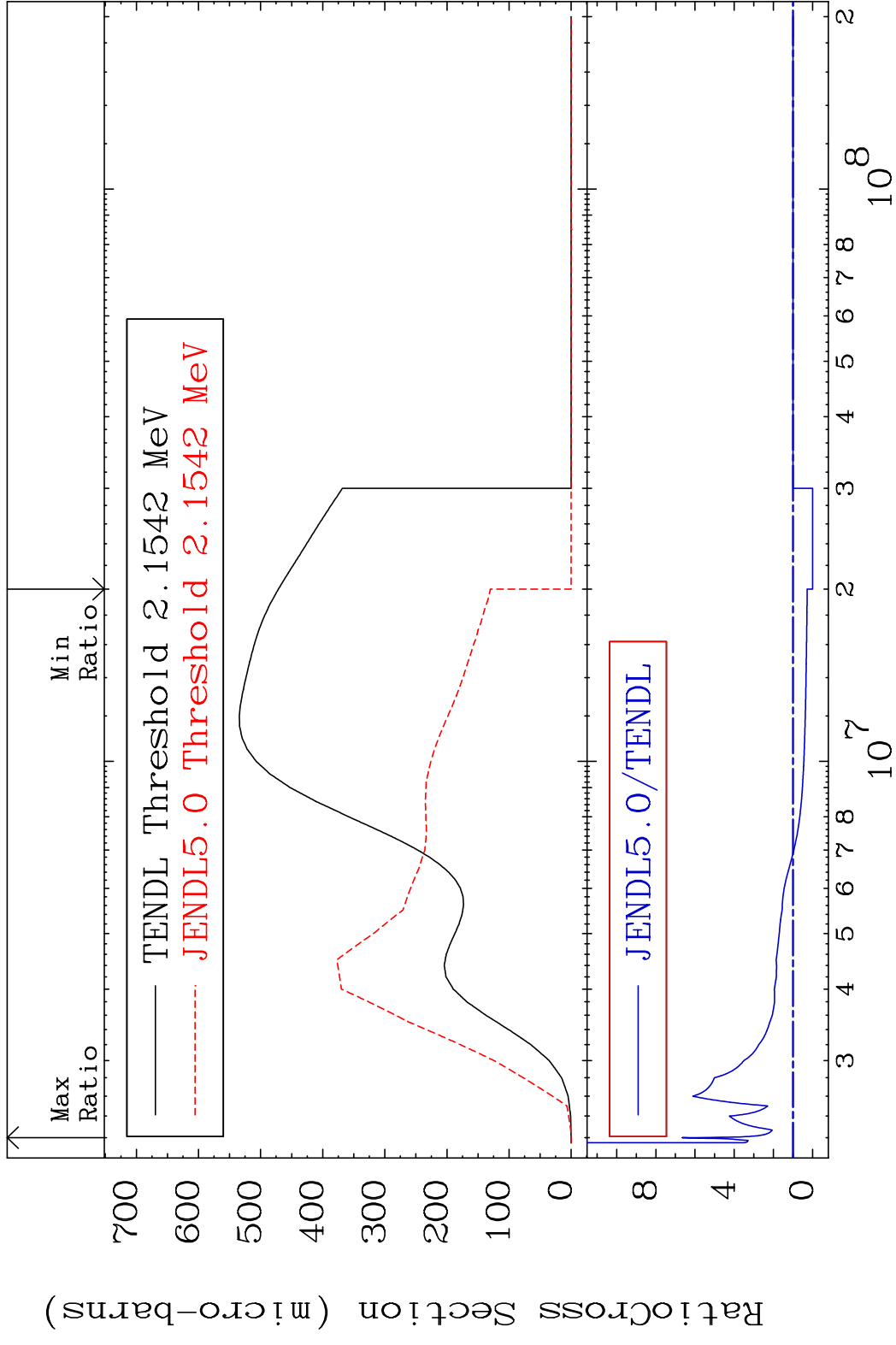
MAT 8019 MT= 61 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 120.0 %



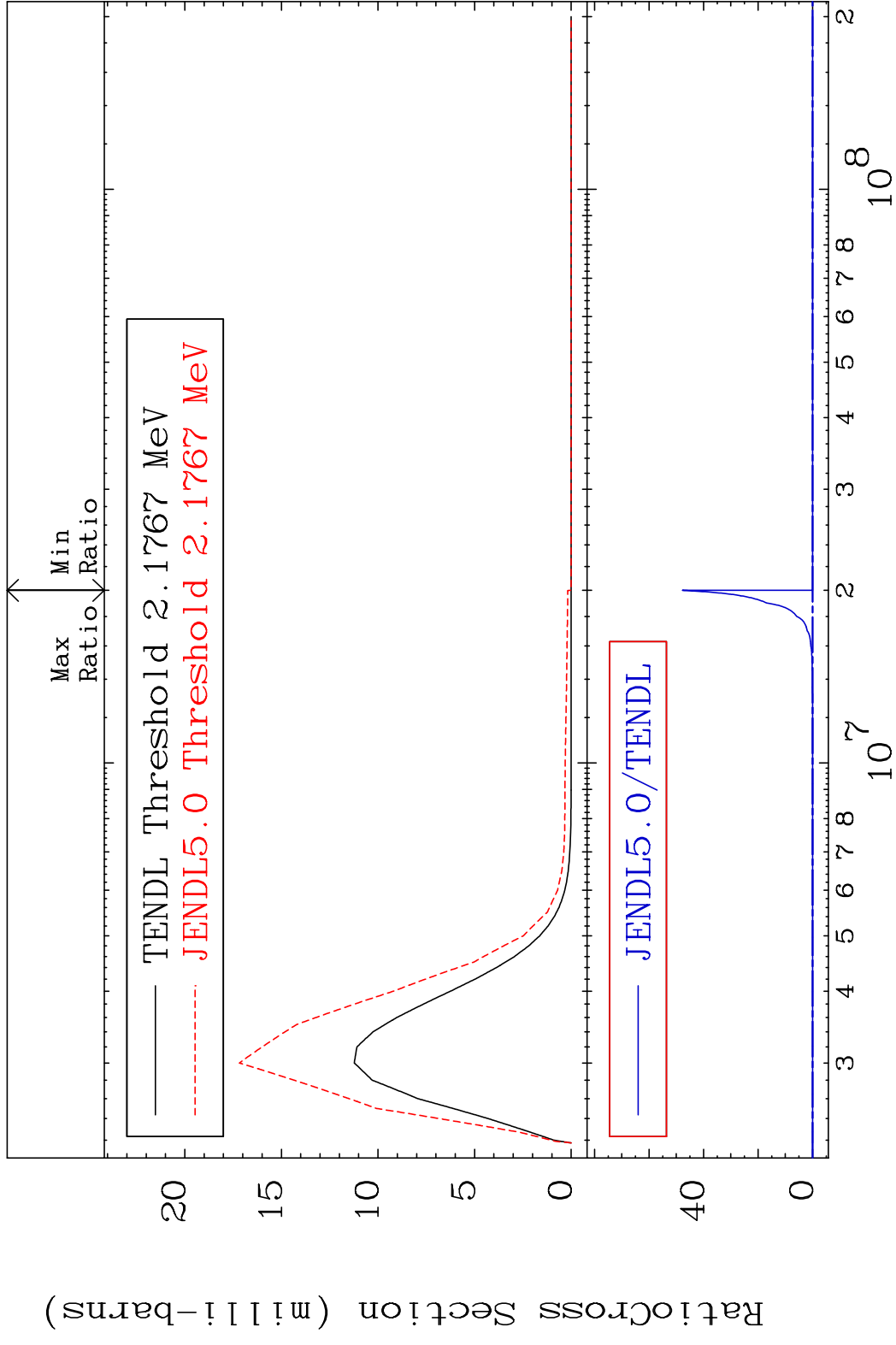
MAT 8019 MT= 62 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 9999. %



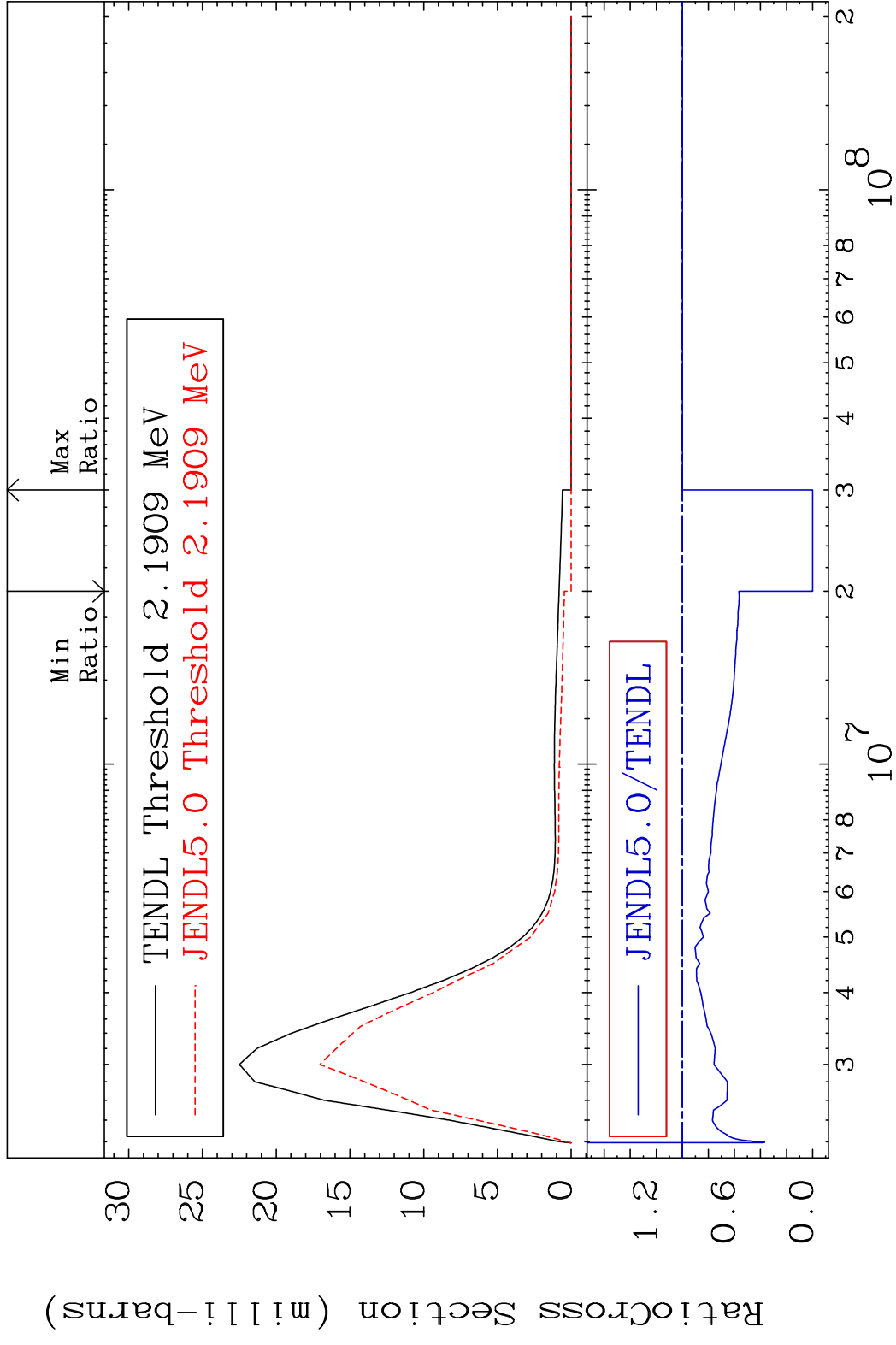
MAT 8019 MT= 63 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 564.7 %



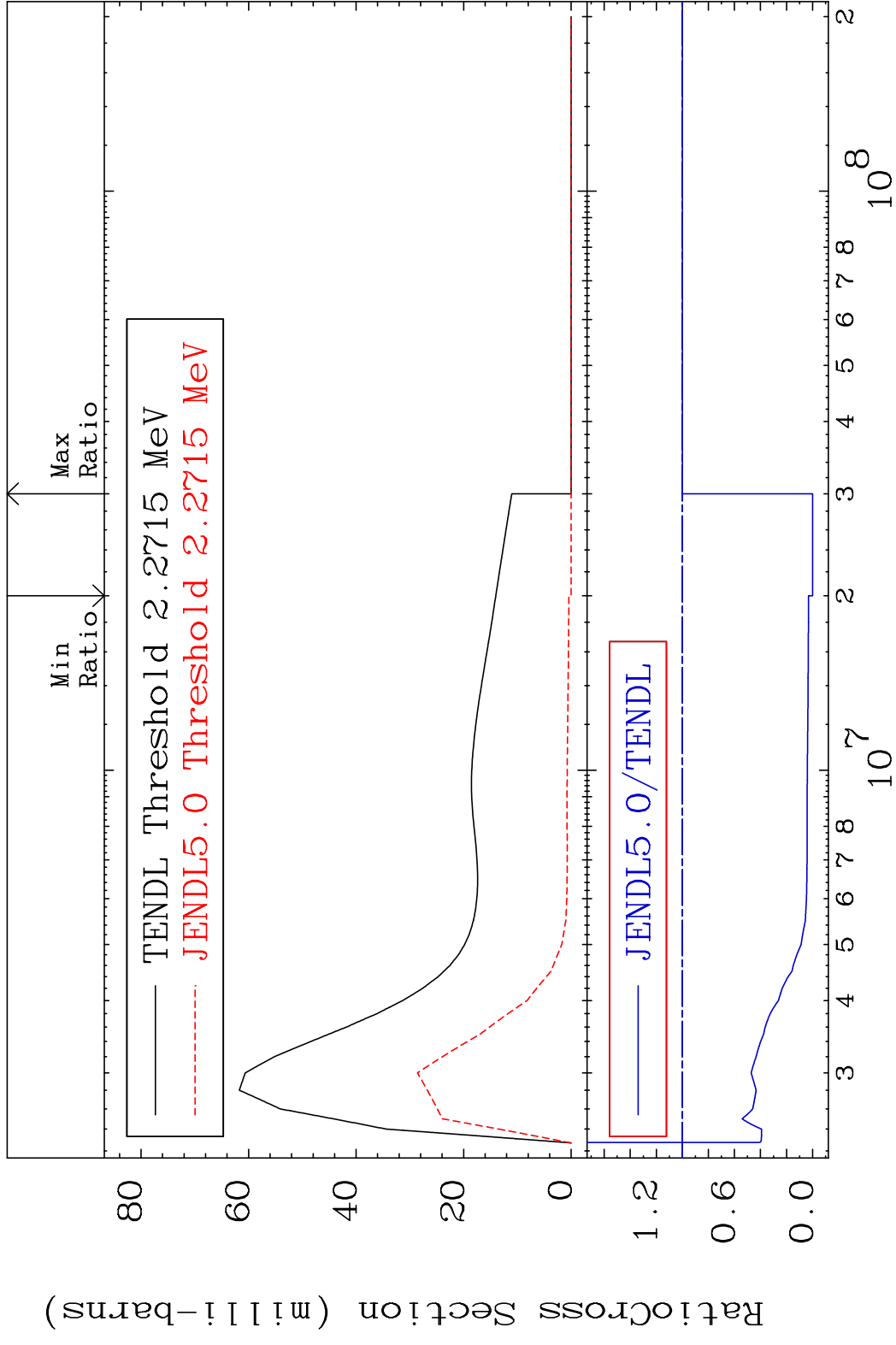
MAT 8019 MT= 64 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 9999. %



MAT 8019 MT= 65 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 0.000 %



MAT 8019 MT= 66 (n, n') Level 80-Hg-194
 Cross Section -100.0 To 0.000 %



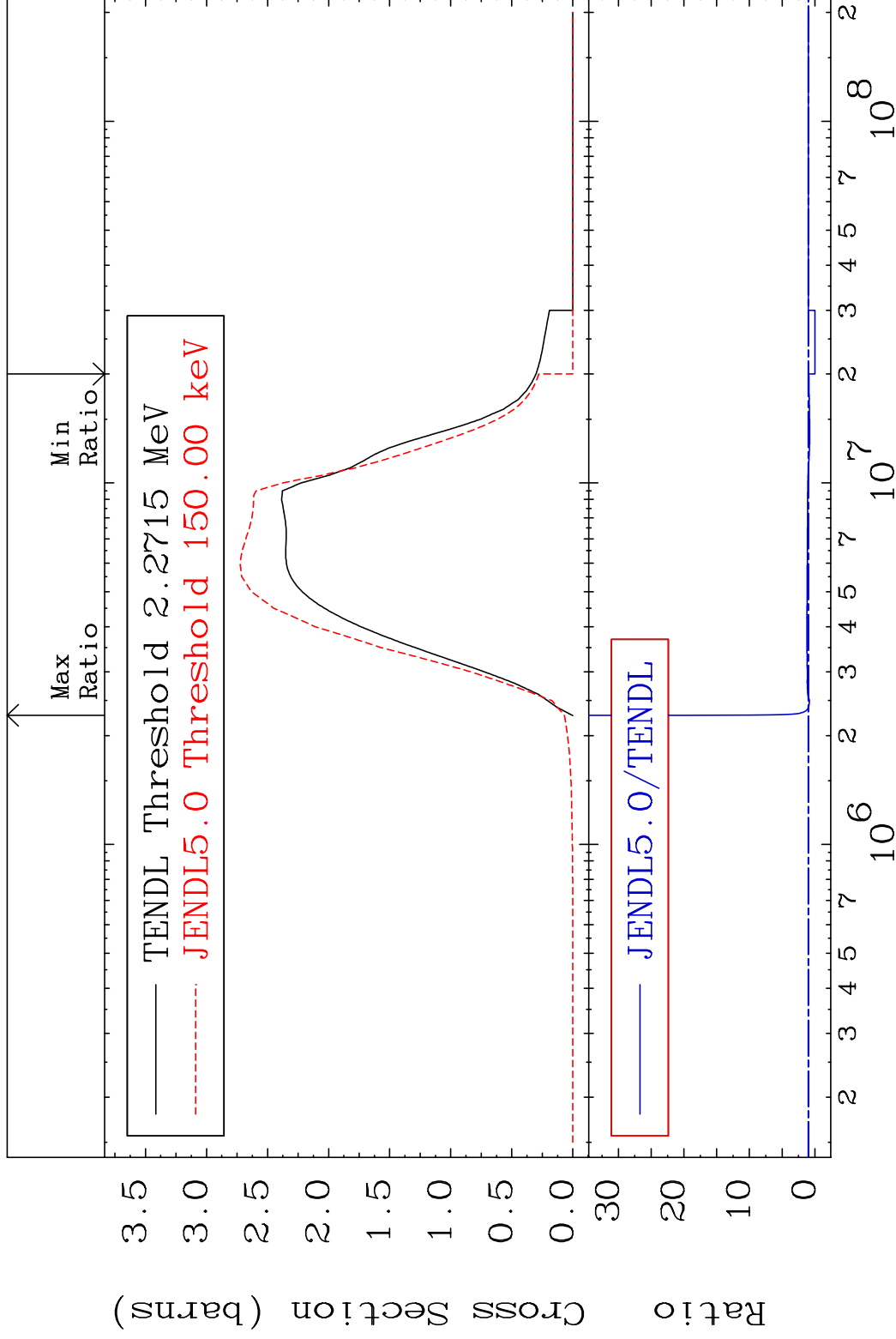
25 Incident Energy (eV) 80-Hg-194

MAT 8019

(n, n') Continuum

80-Hg-194

Cross Section -100.0 To 1894. %



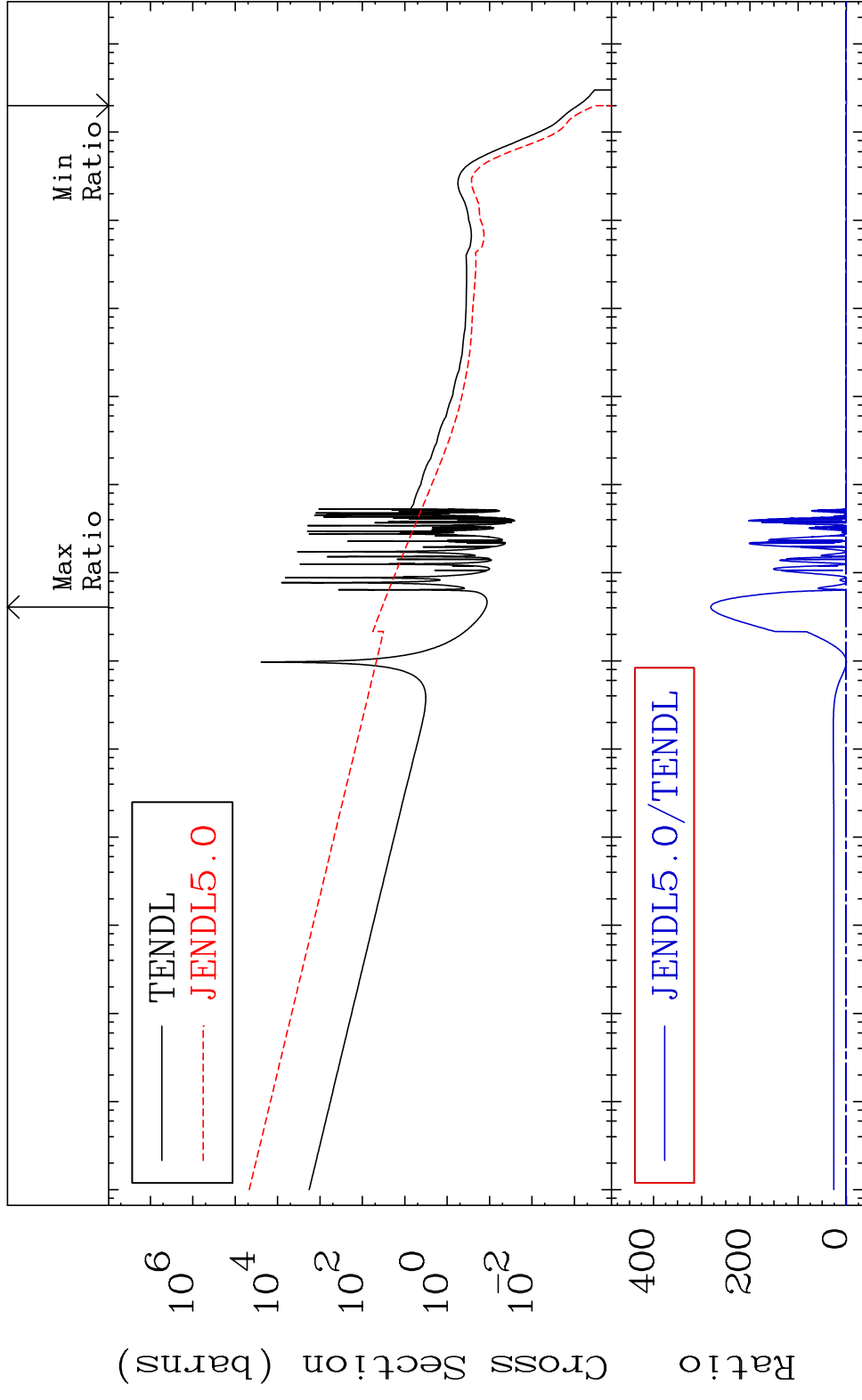
26

Incident Energy (eV)

80-Hg-194

MAT 8019

(n, γ)
Cross Section -100.0 To 9999. %
80-Hg-194



27

Incident Energy (eV)

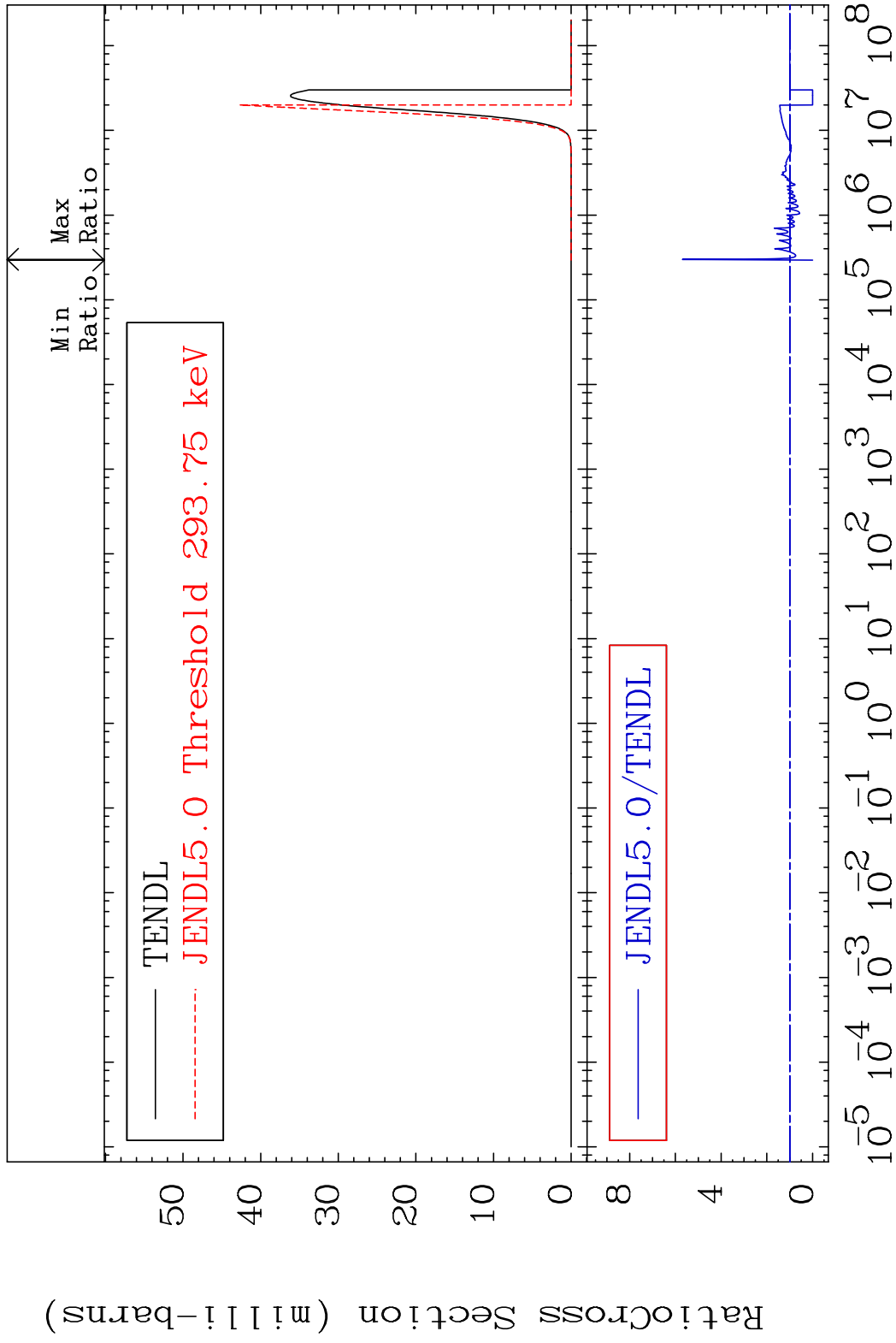
80-Hg-194

MAT 8019

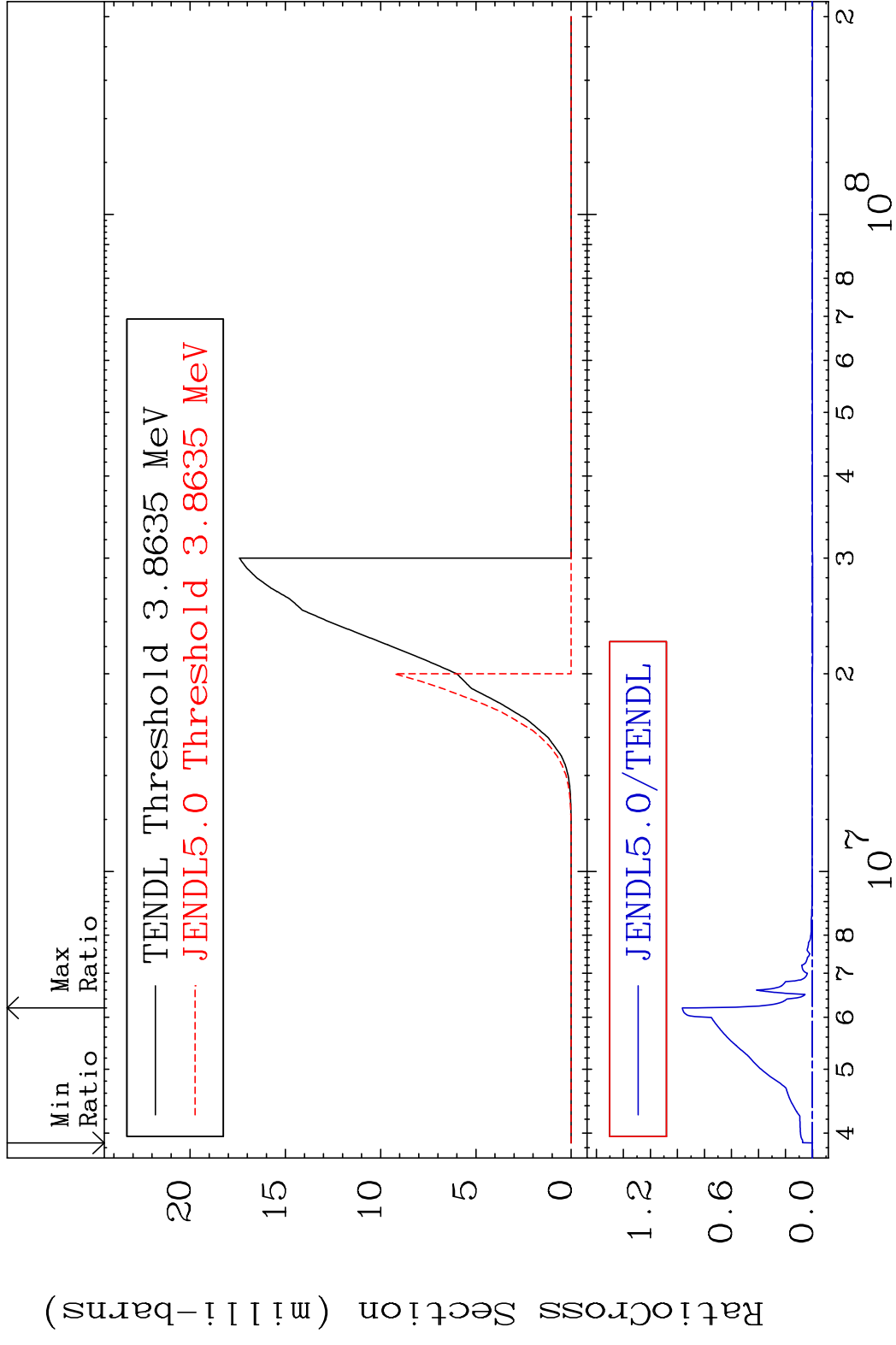
(n, p)

80-Hg-194

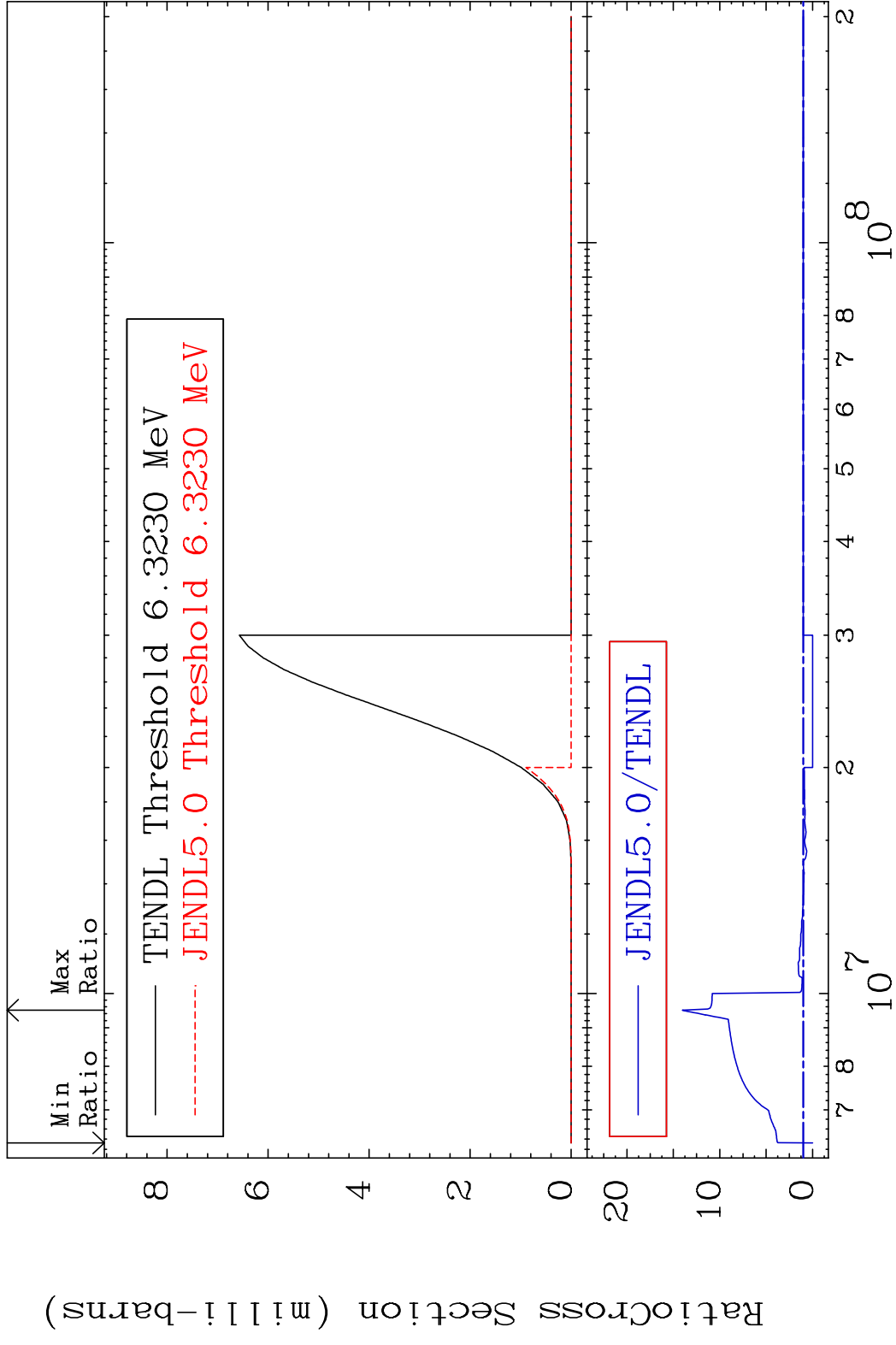
Cross Section -100.0 To 469.6 %



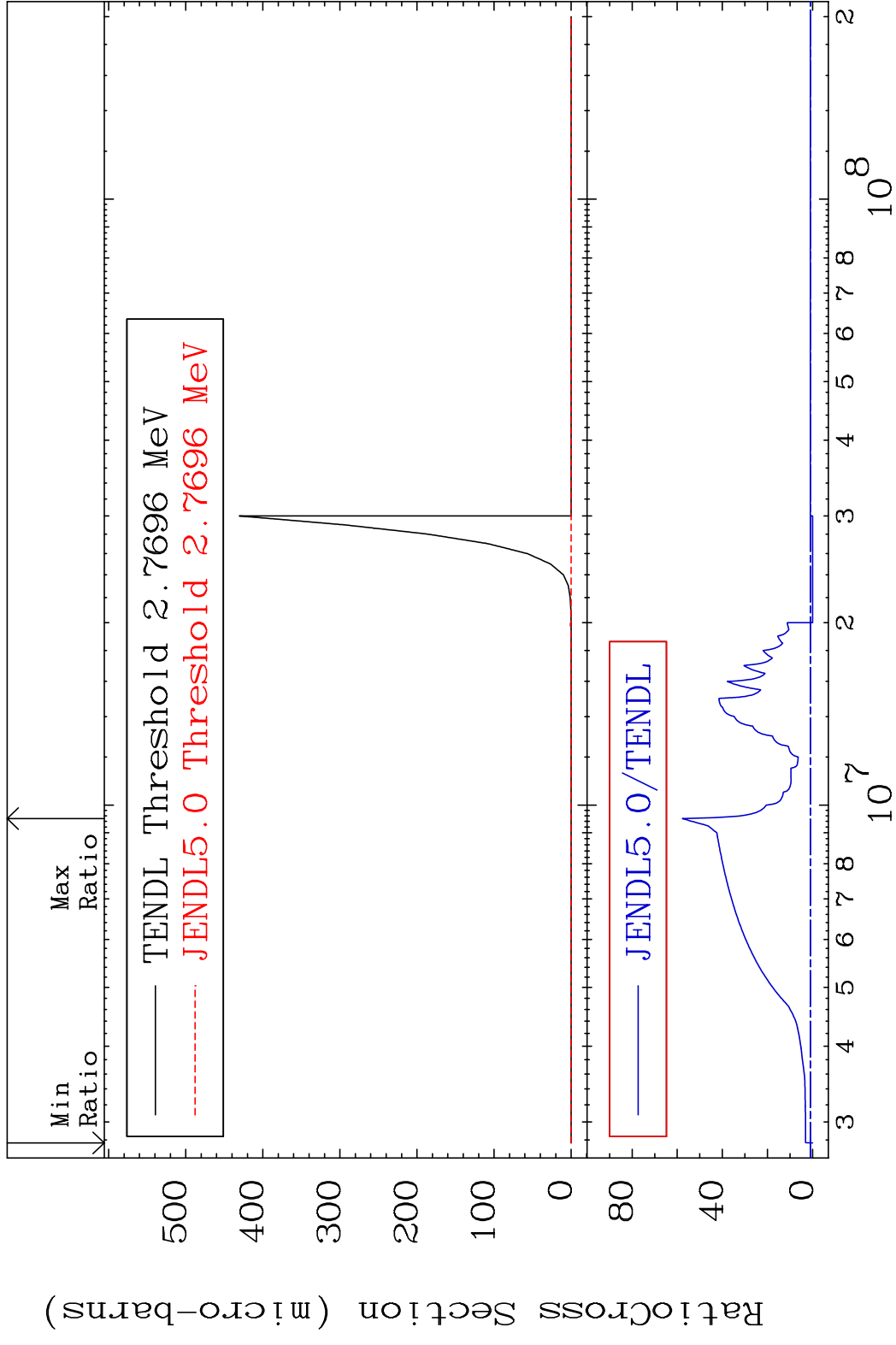
MAT 8019 (n,d) 80-Hg-194
 Cross Section -100.0 To 9999. %



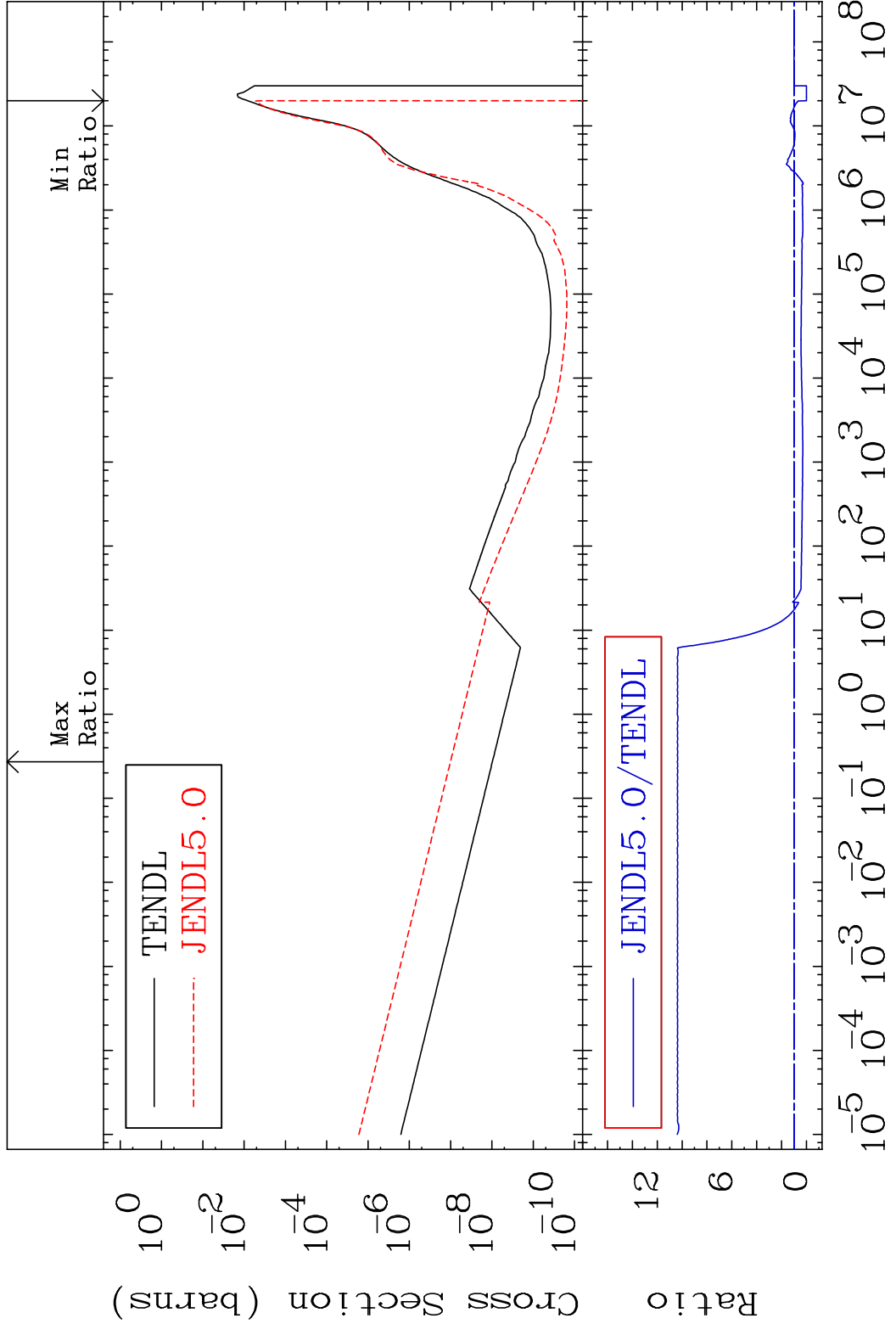
MAT 8019 (n, t) 80-Hg-194
 Cross Section -100.0 To 1303. %



MAT 8019 (n, He-3) 80-Hg-194
 Cross Section -100.0 To 5674. %



MAT 8019 (n, α) Cross Section -100.0 To 939.4 % 80-Hg-194



Ratio
Cross Section (barns)
 10^0
 10^{-2}
 10^{-4}
 10^{-6}
 10^{-8}
 10^{-10}
12
6
0

Max Ratio
Min Ratio

TENDL
JENDL5.0

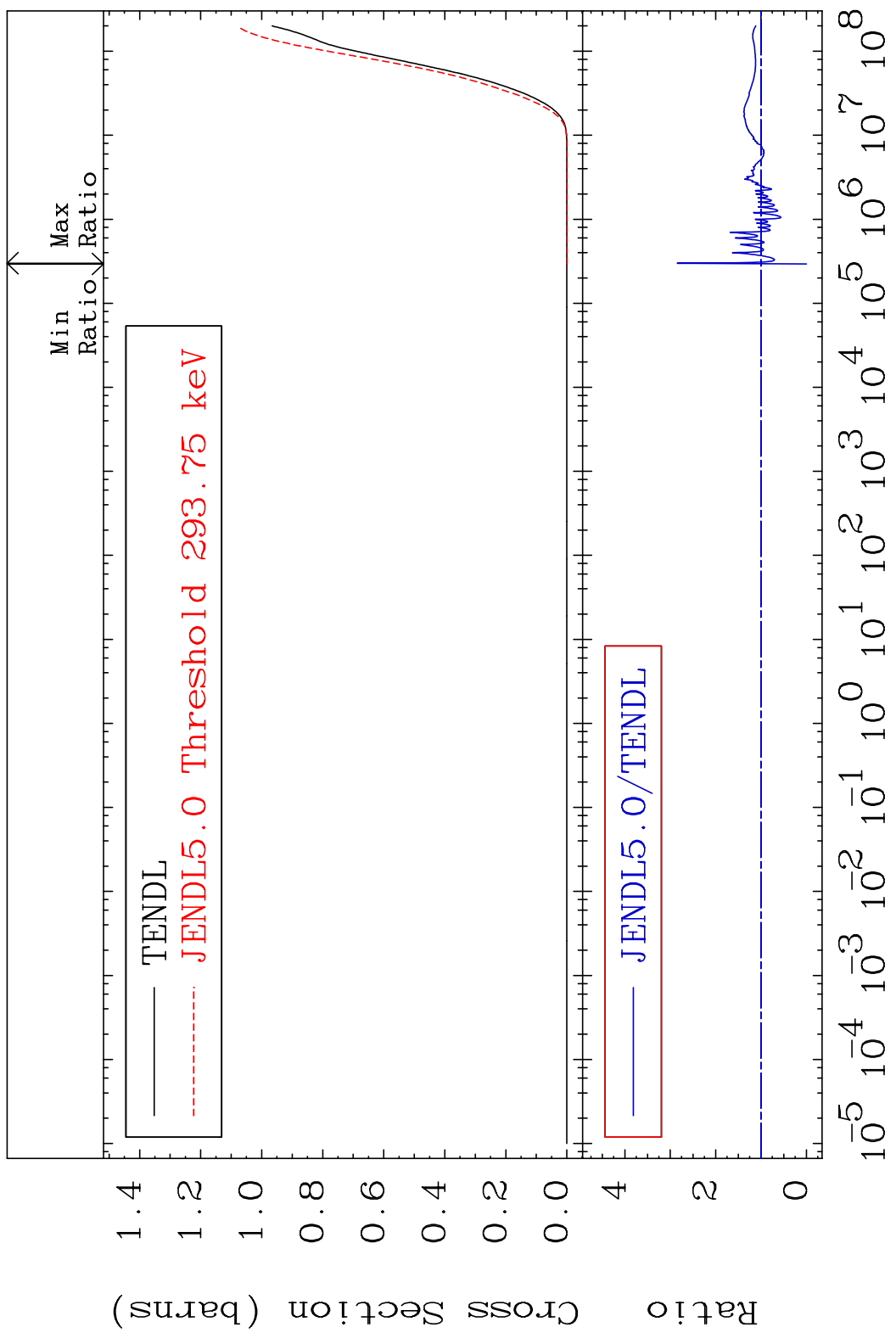
JENDL5.0/TENDL

MAT 8019

Hydrogen Production

80-Hg-194

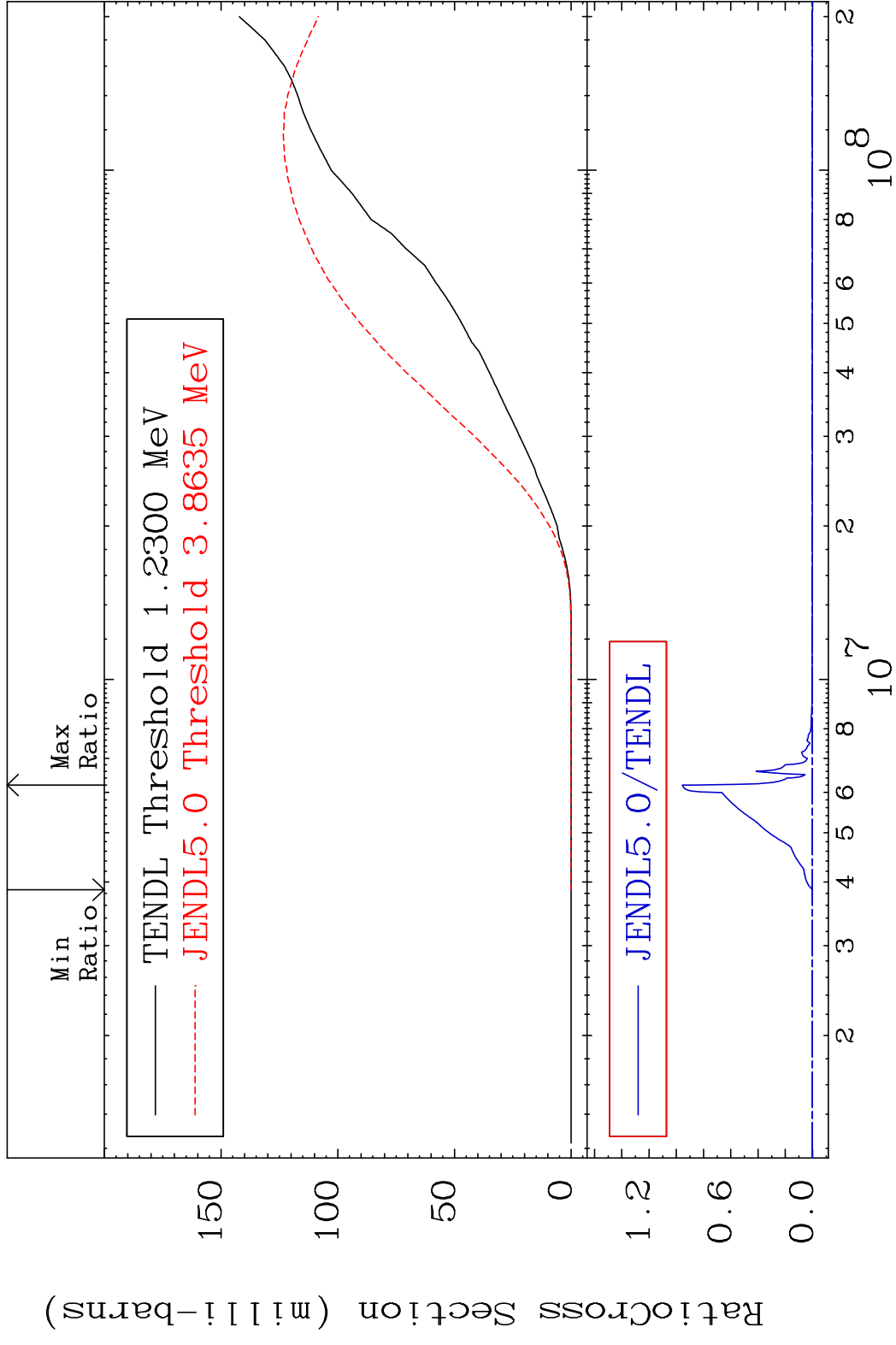
Cross Section -100.0 To 184.8 %



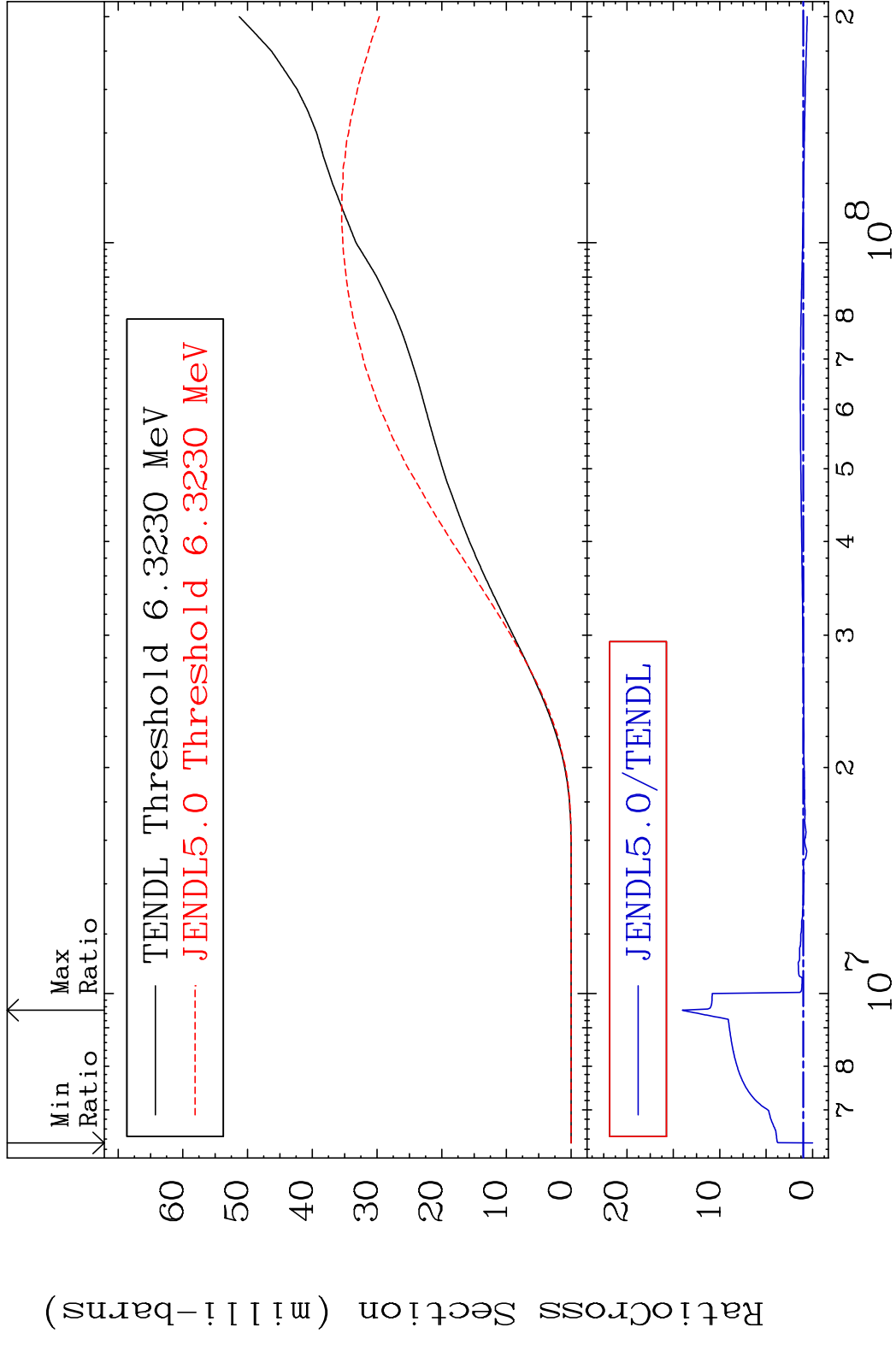
33

Incident Energy (eV)

80-Hg-194

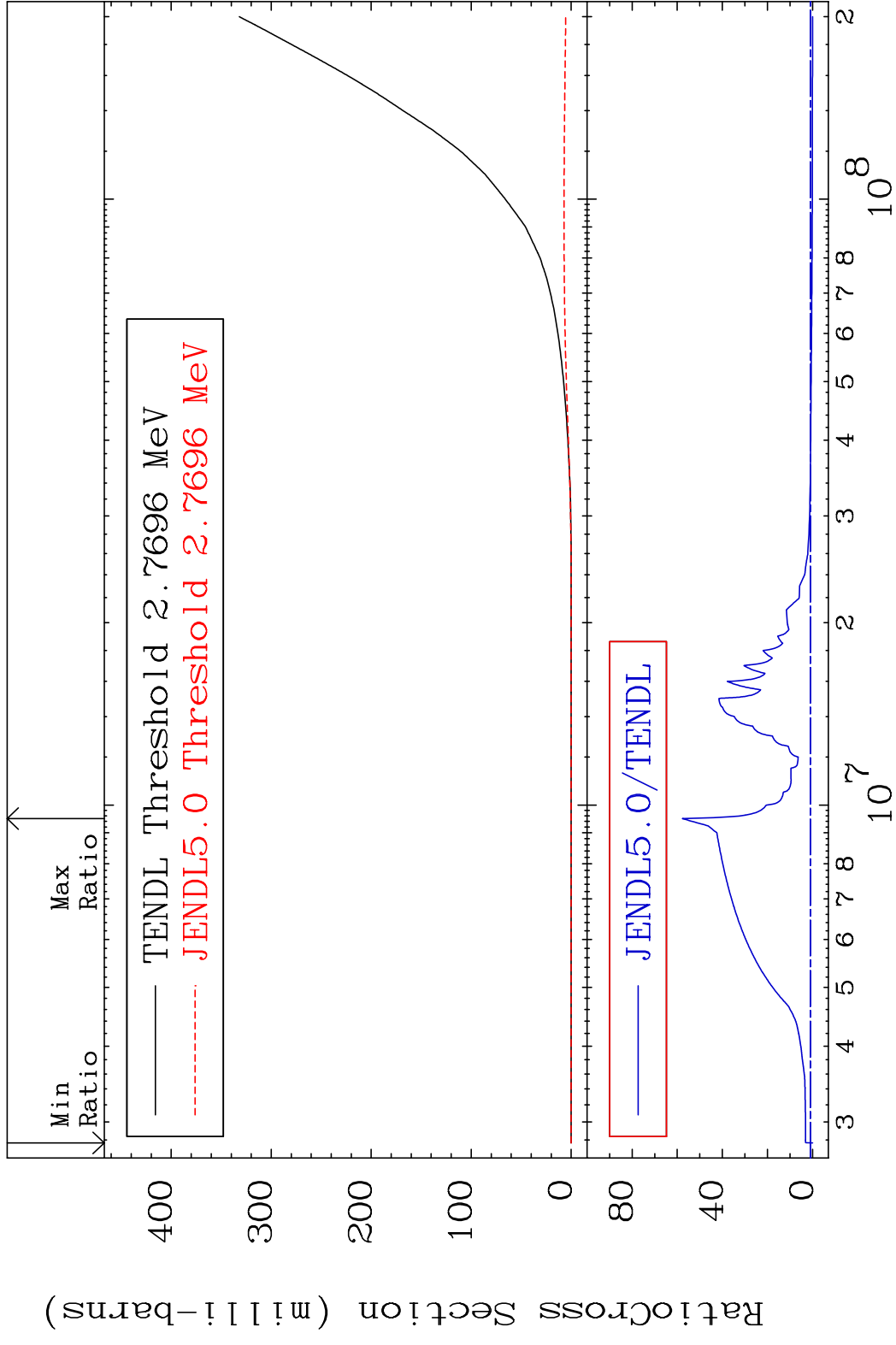


MAT 8019 Tritium Production 80-Hg-194
 Cross Section -100.0 To 1303. %



35 Incident Energy (eV) 80-Hg-194

MAT 8019 He-3 Production 80-Hg-194
 Cross Section -100.0 To 5674. %



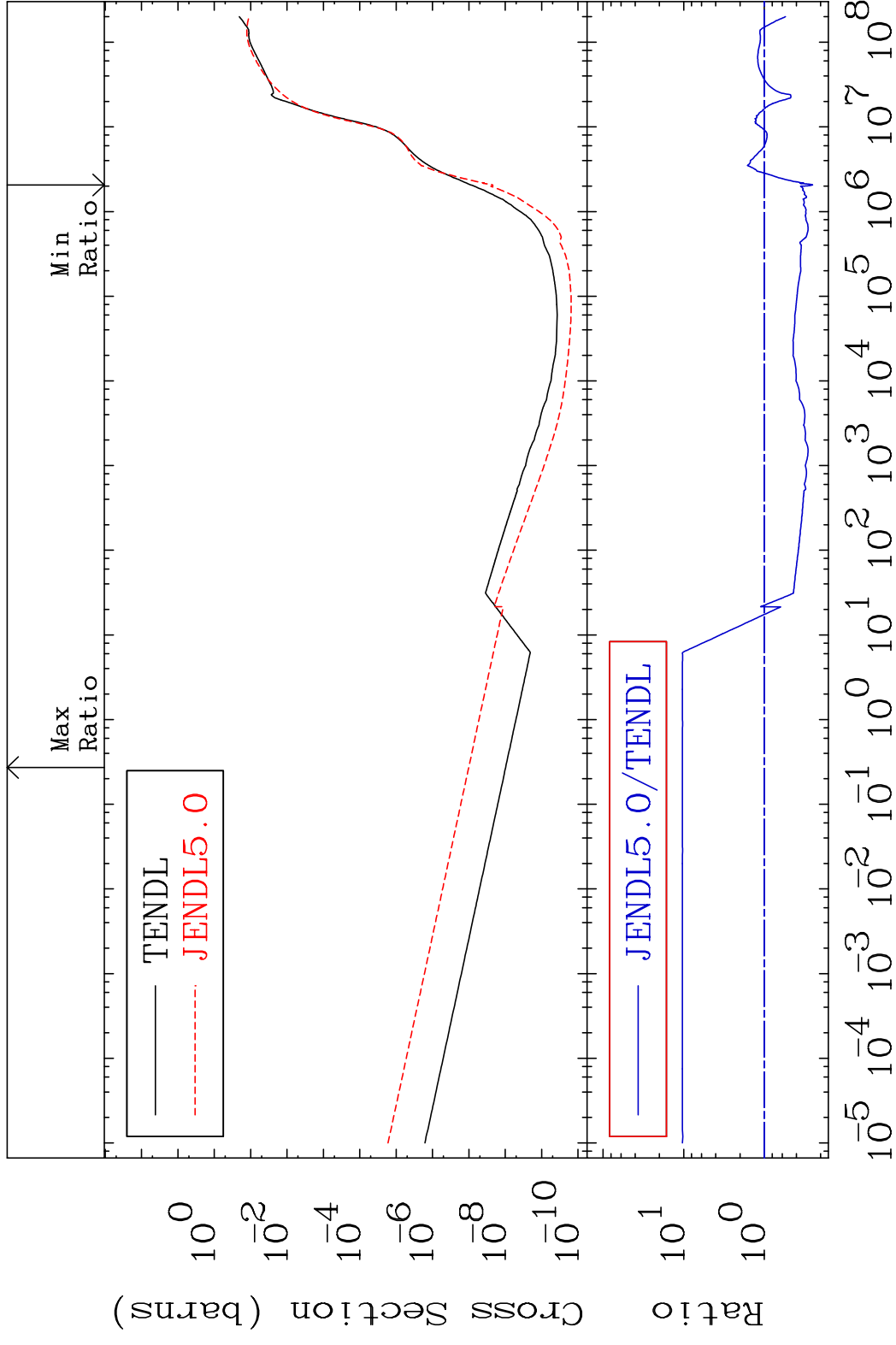
36 Incident Energy (eV) 80-Hg-194

MAT 8019

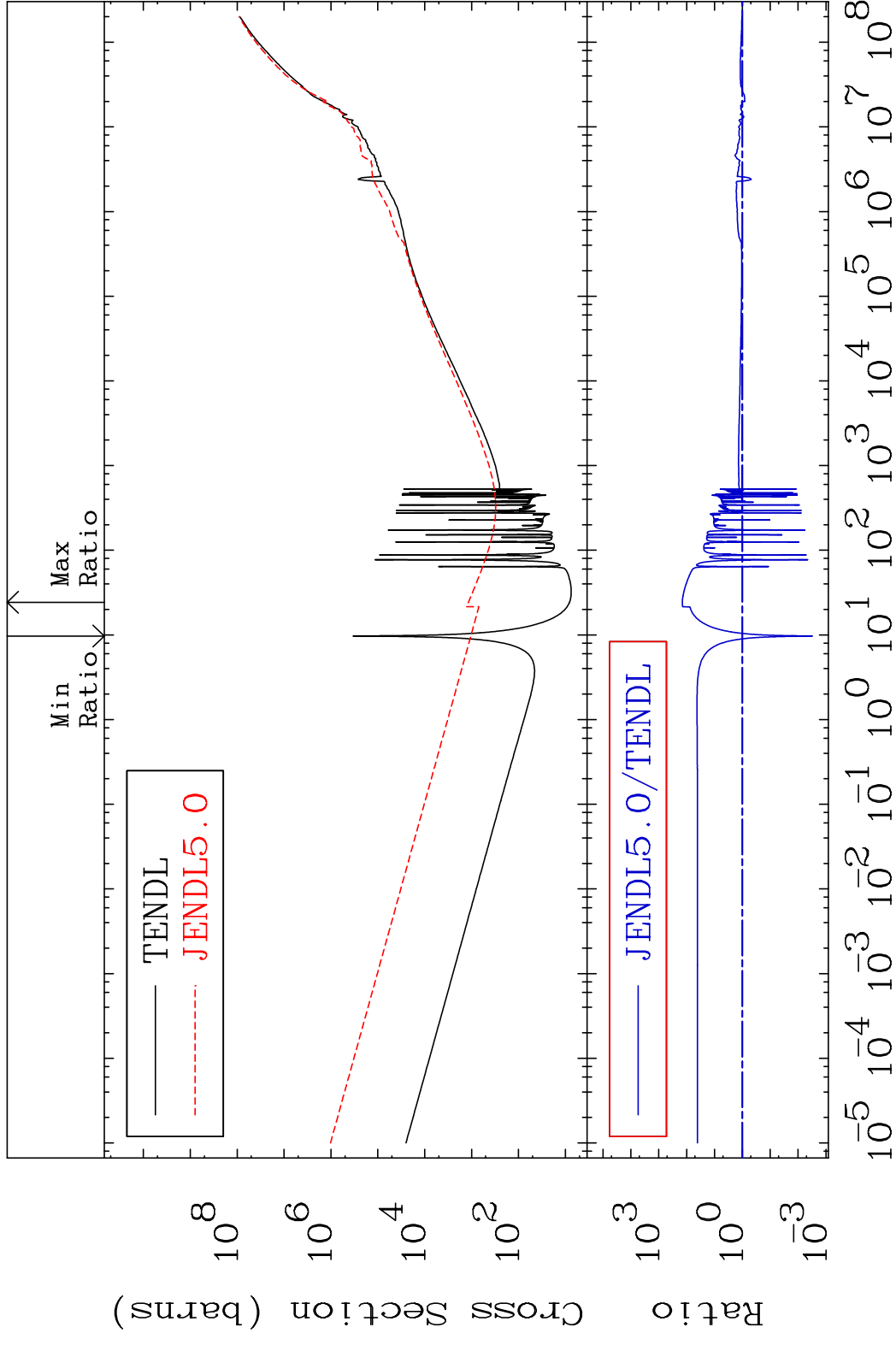
He-4 Production

80-Hg-194

Cross Section -74.79 To 939.4 %



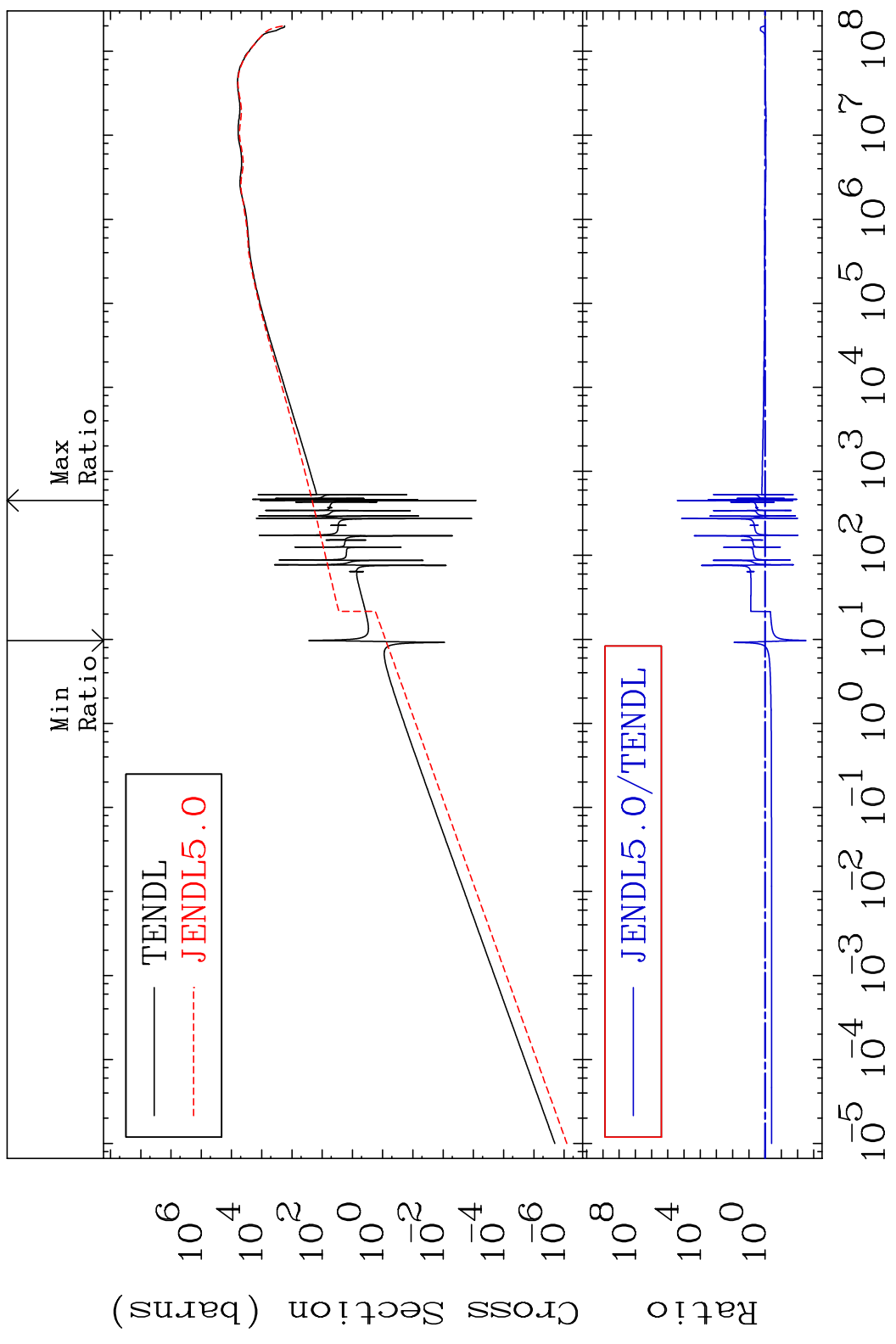
MAT 8019 Kerma total (eV-barns) 80-Hg-194
 Cross Section -99.70 To 9999. %



38 Incident Energy (eV) 80-Hg-194

MAT 8019

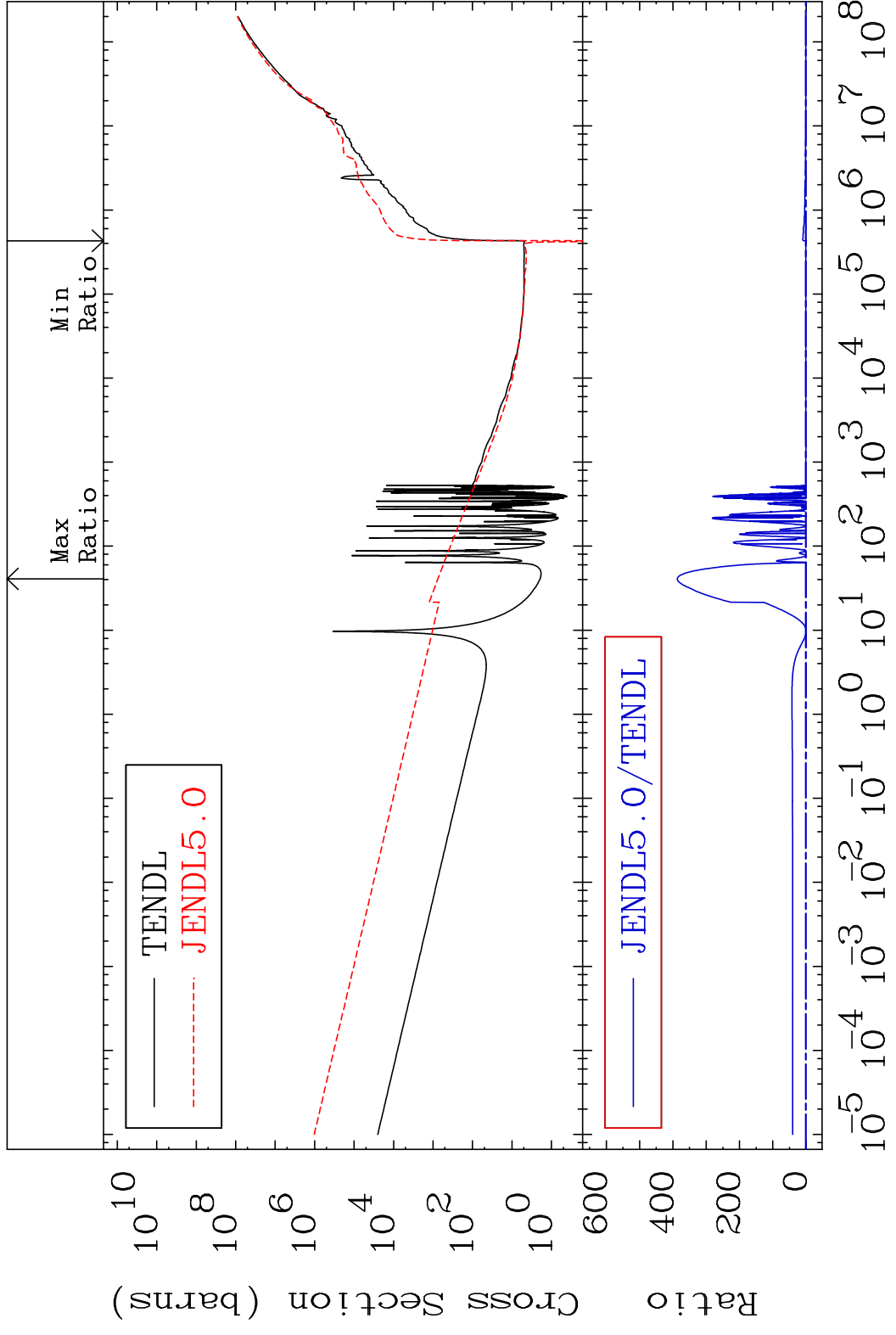
Kerma elastic Cross Section -99.72 To 9999. %
80-Hg-194



39

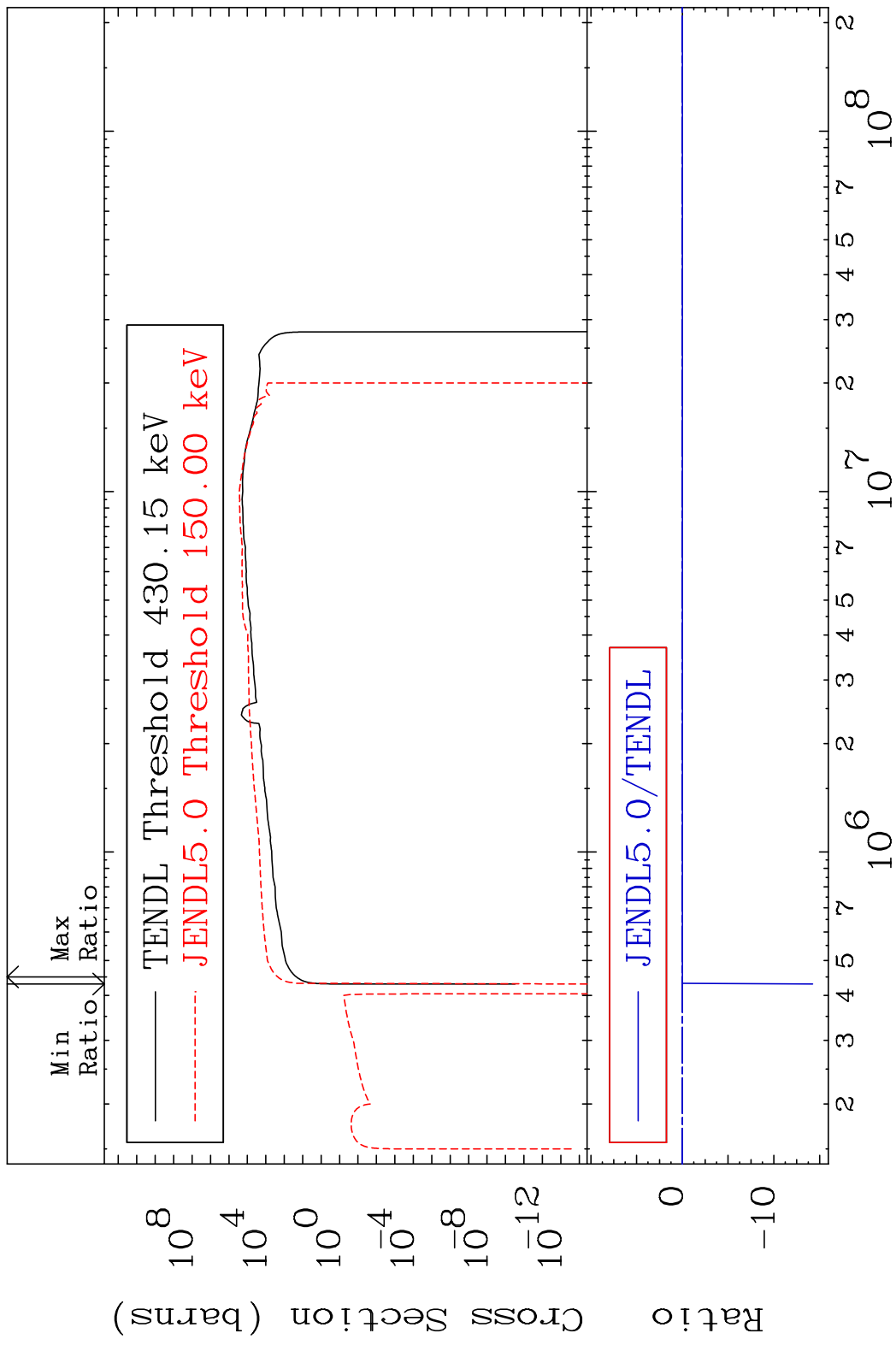
Incident Energy (eV) 80-Hg-194

MAT 8019 Kerma non-elastic (all but mt2) 80-Hg-194
 Cross Section -176.0 To 9999. %

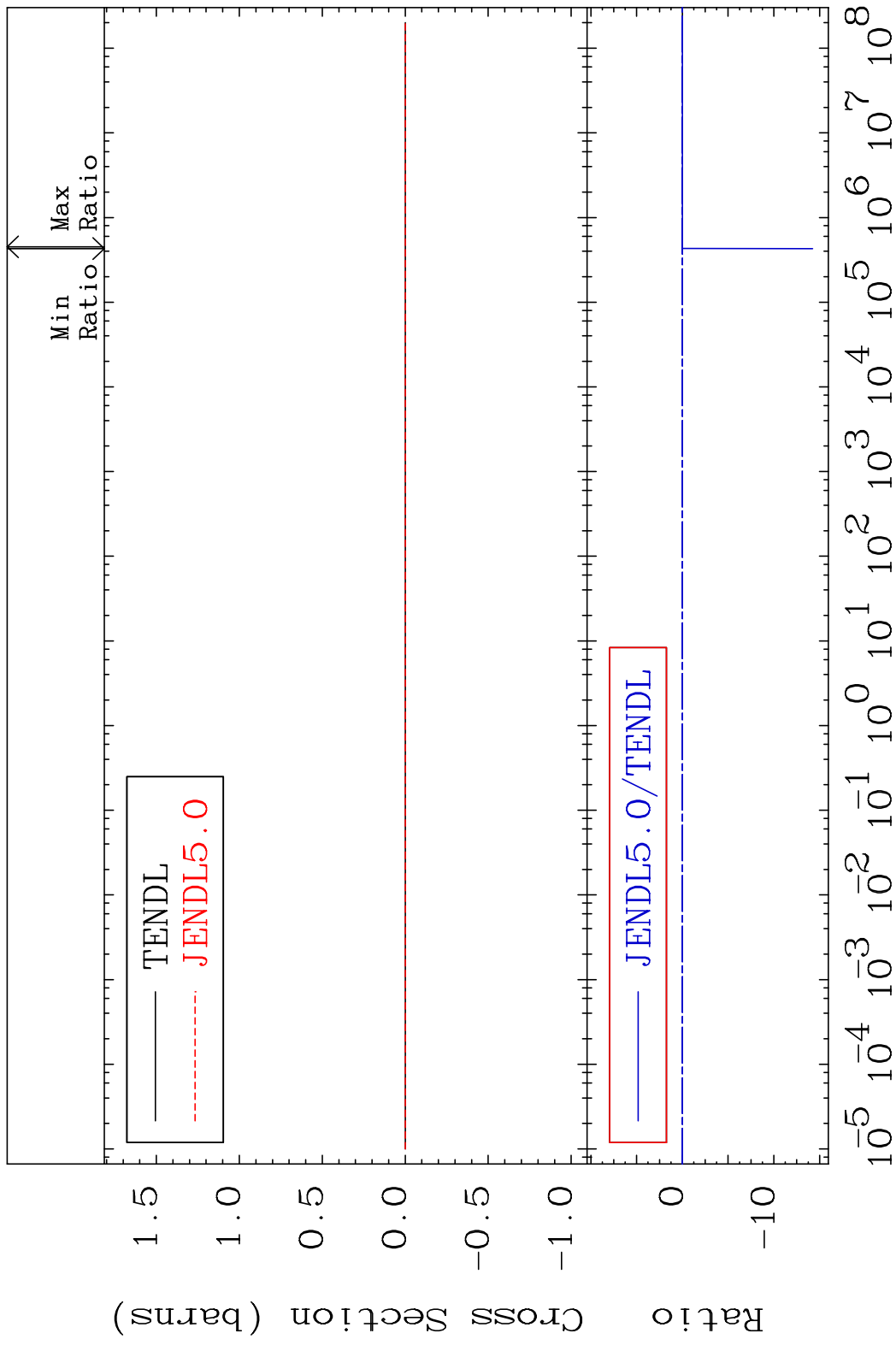


40 Incident Energy (eV) 80-Hg-194

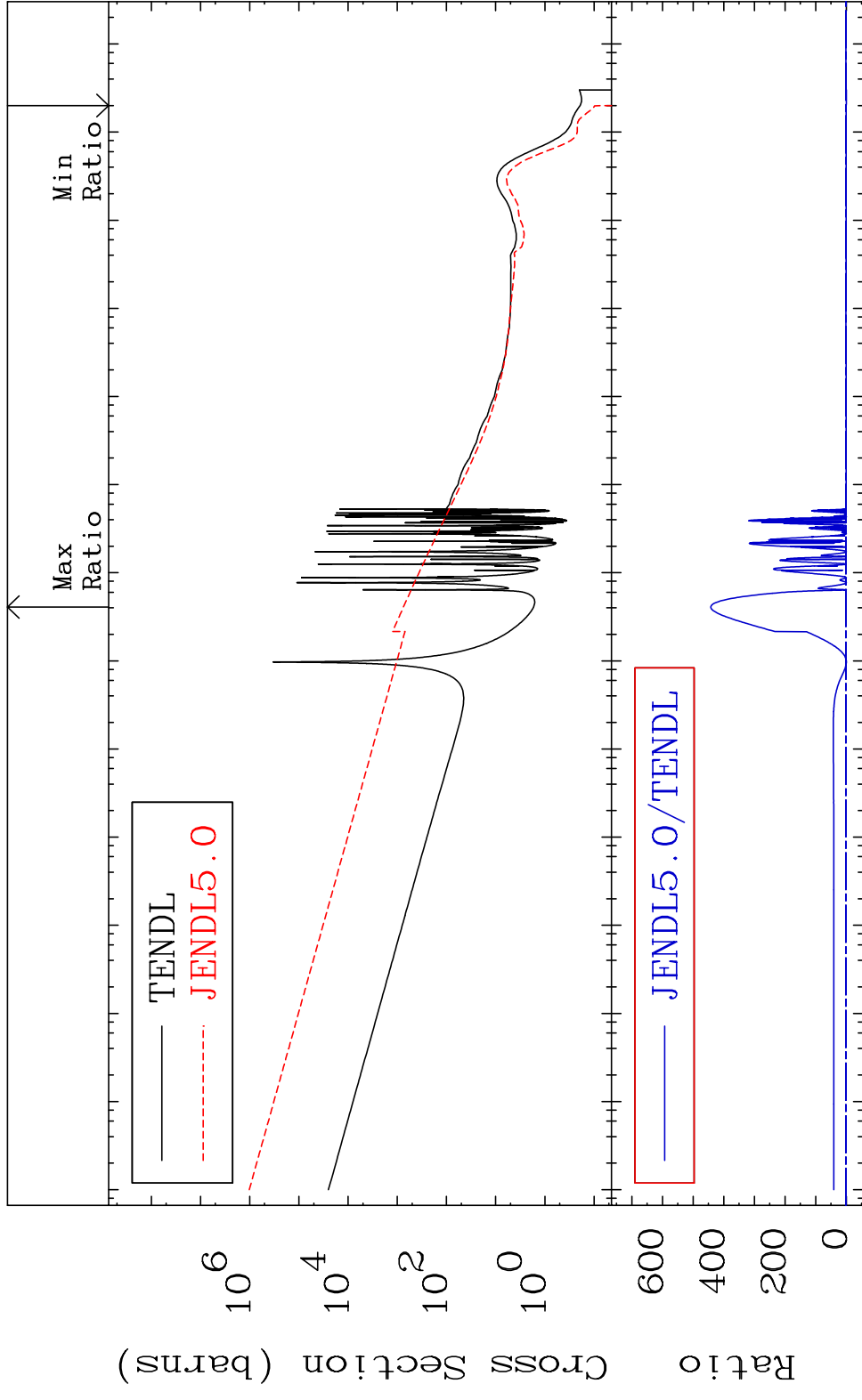
MAT 8019 Kerma inelastic (mt51-91) 80-Hg-194
 Cross Section -9999. To 942.3 %



MAT 8019 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-194
 Cross Section -9999. To 942.3 %

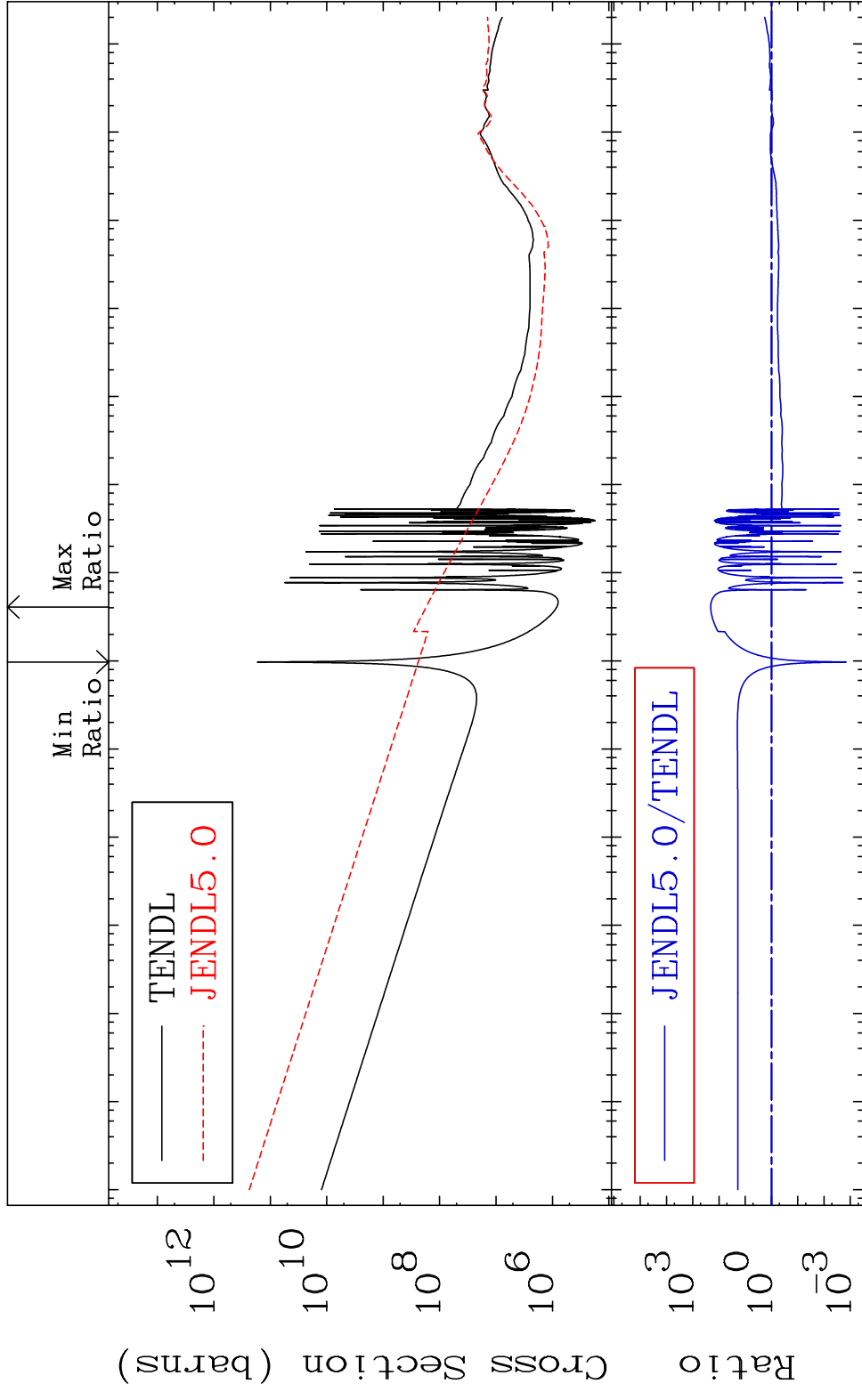


MAT 8019 Kerma capture (mt102) 80-Hg-194
 Cross Section -100.0 To 9999. %



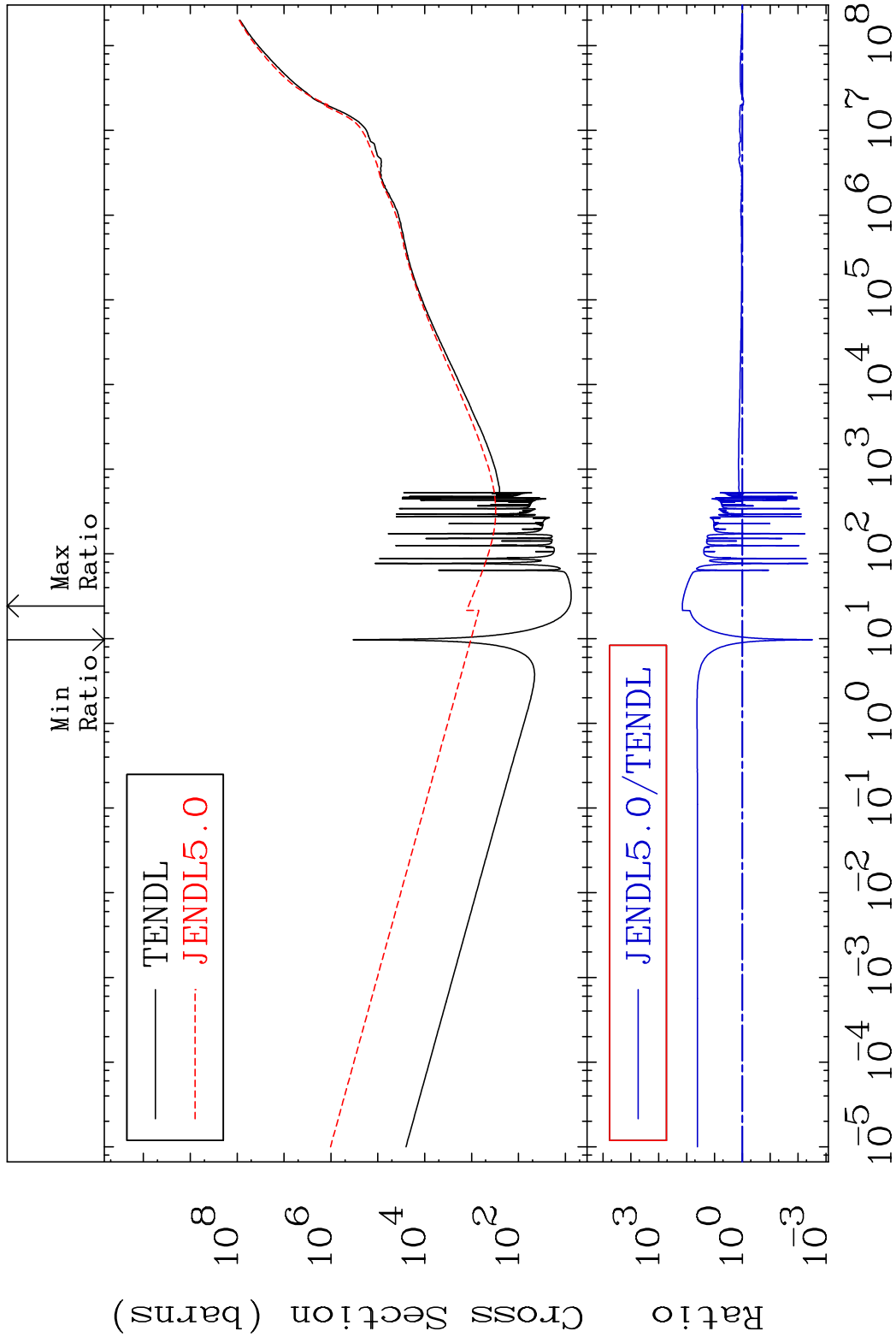
43 Incident Energy (eV) 80-Hg-194

MAT 8019 Total photon (eV-barns) 80-Hg-194
 Cross Section -99.86 To 9999. %

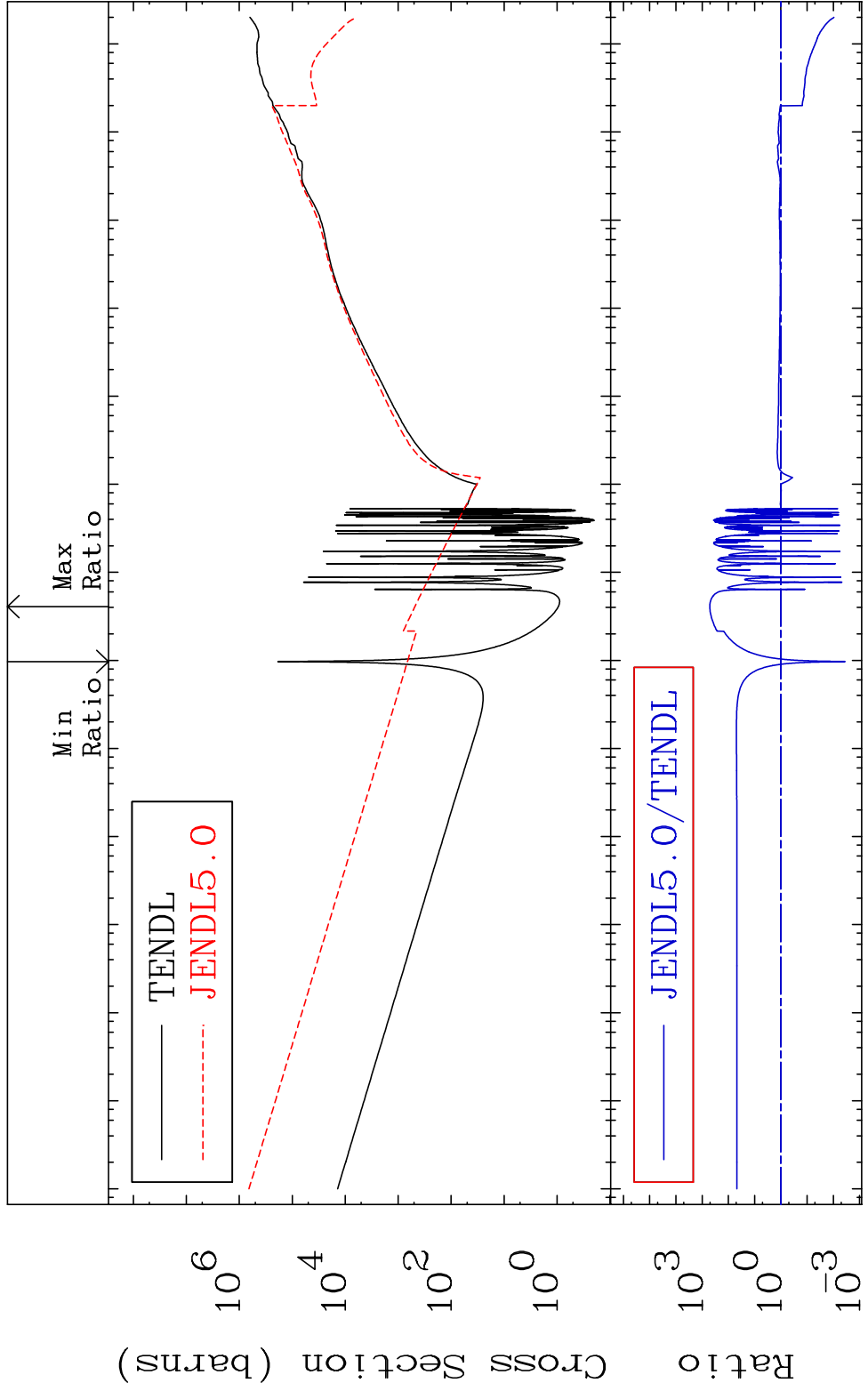


44 Incident Energy (eV) 80-Hg-194

MAT 8019 Total kinematic kerma (high limit) 80-Hg-194
Cross Section -99.70 To 9999. %



MAT 8019 Dpa total (eV-barns) 80-Hg-194
 Cross Section -99.65 To 9999. %

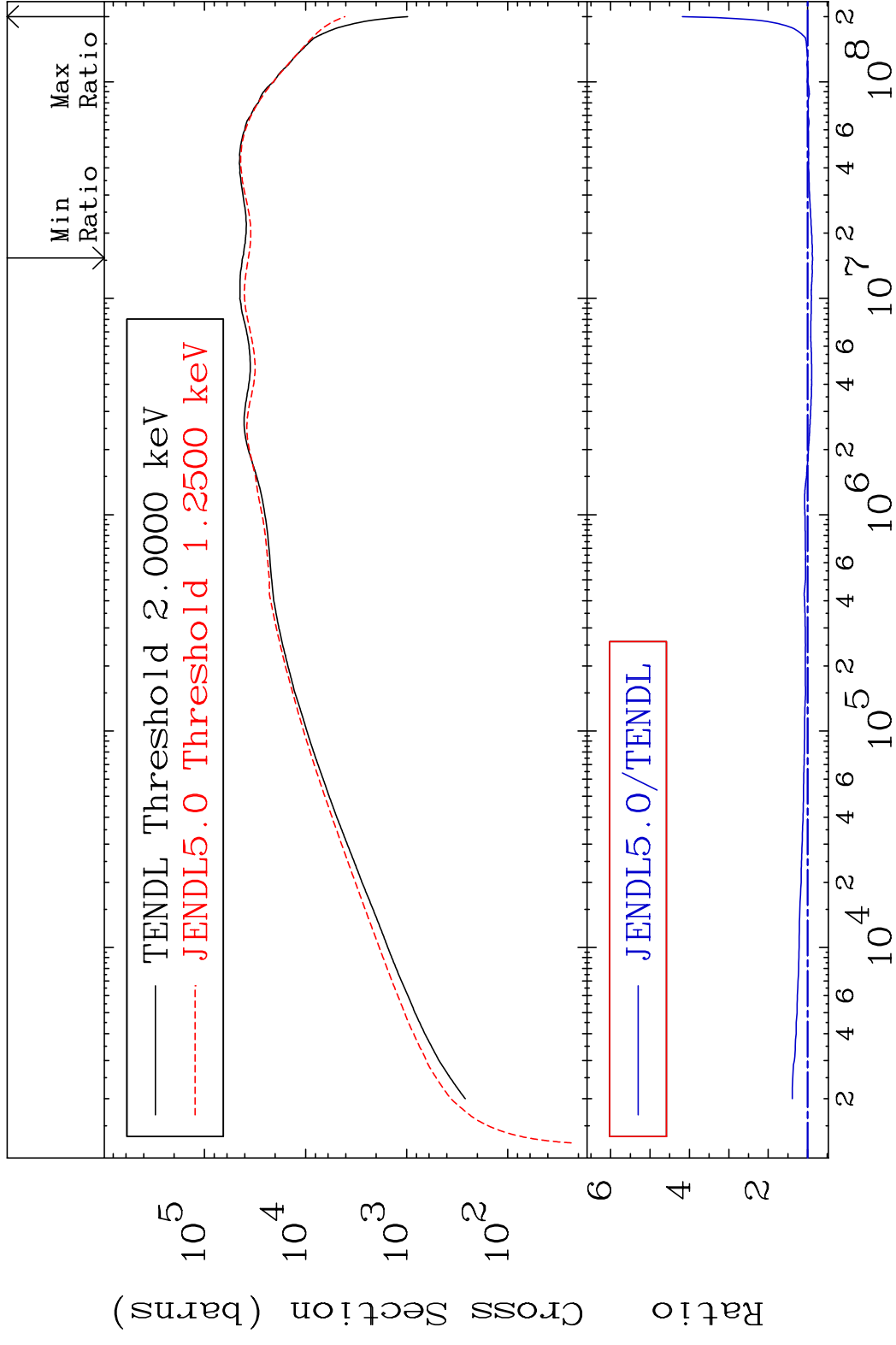


MAT 8019

Dpa elastic (mt2)

80-Hg-194

Cross Section -12.61 To 317.9 %

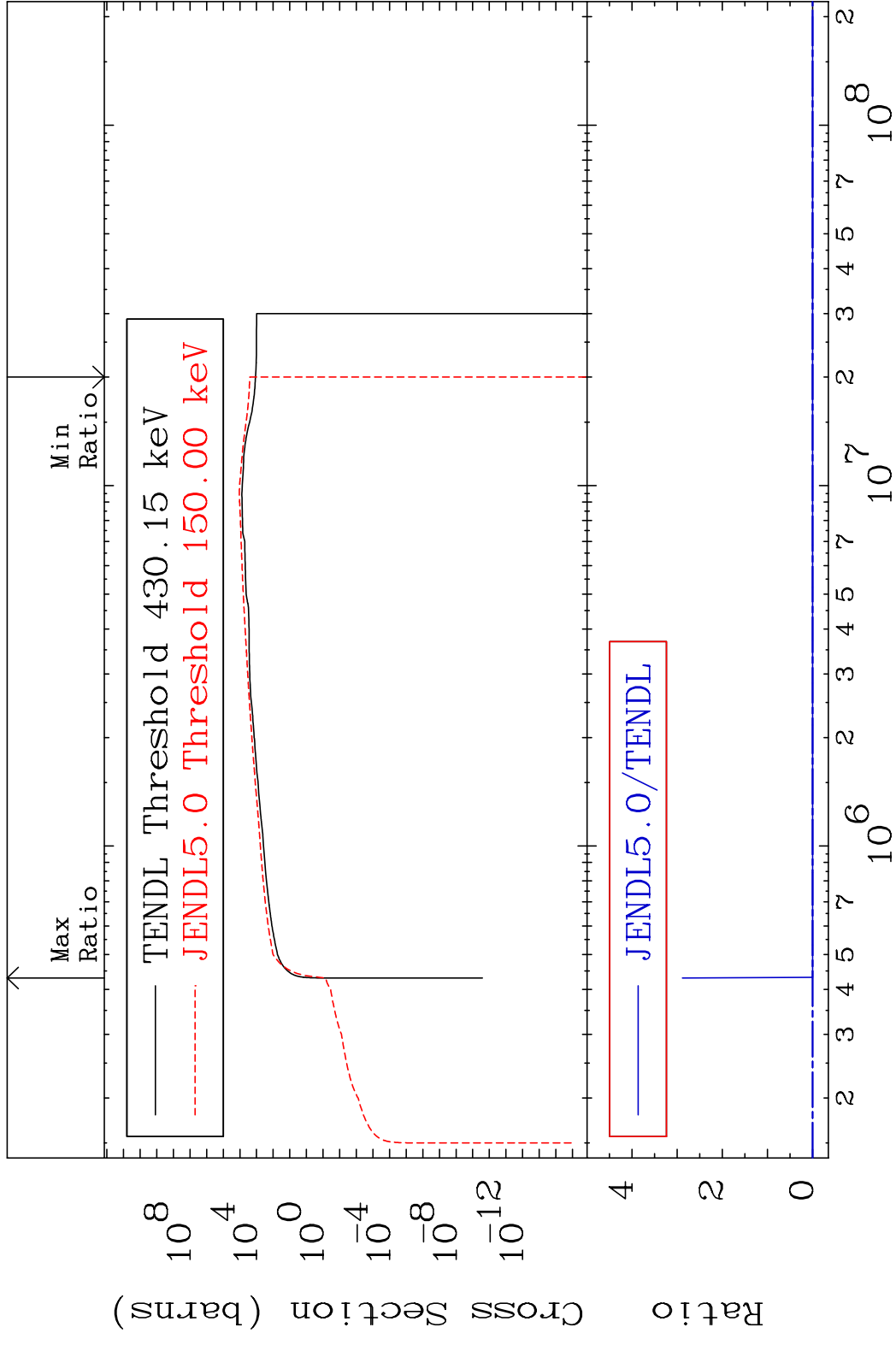


47

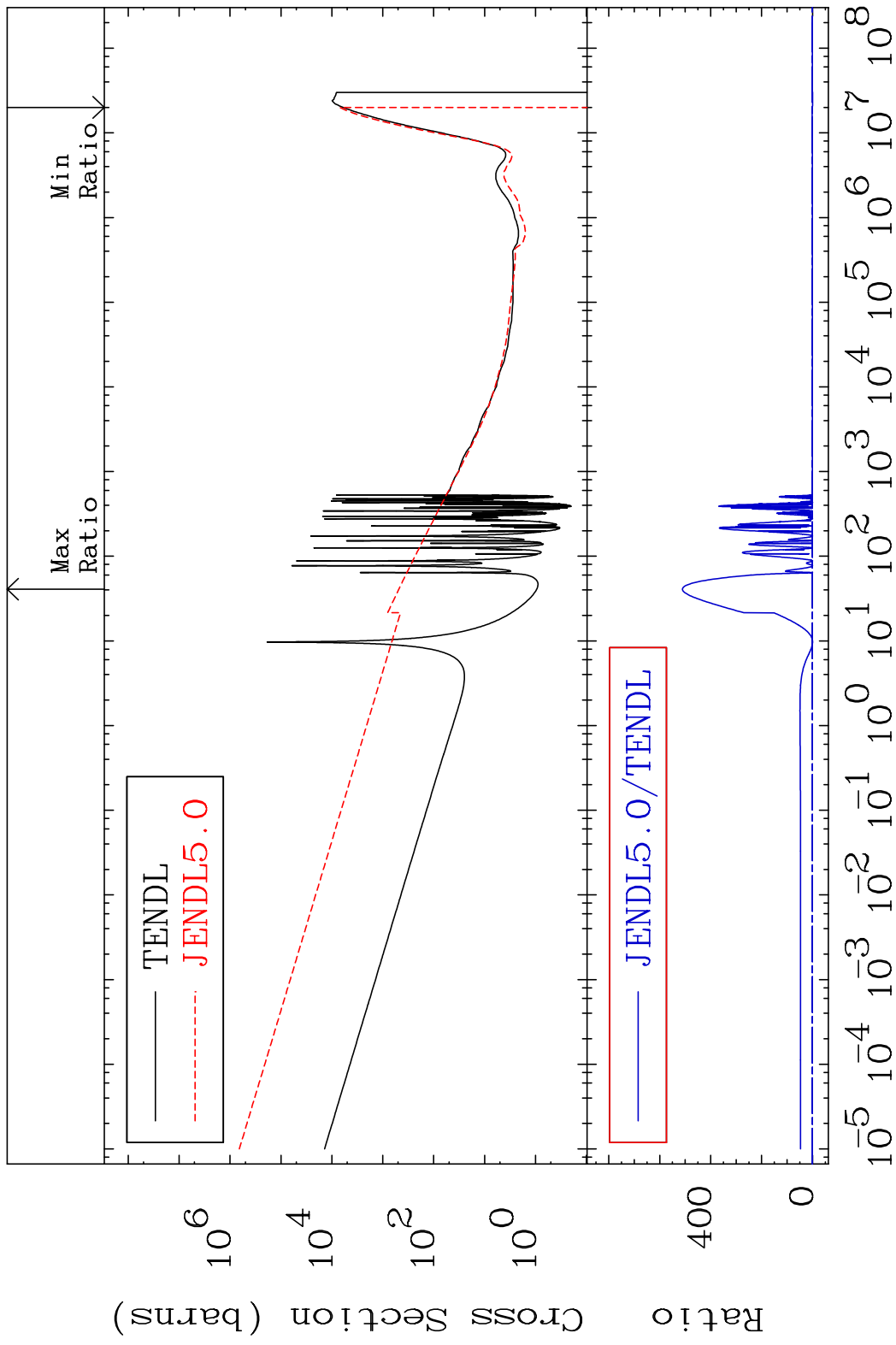
Incident Energy (eV)

80-Hg-194

MAT 8019 Dpa inelastic (mt51-91) 80-Hg-194
 Cross Section -100.0 To 9999. %

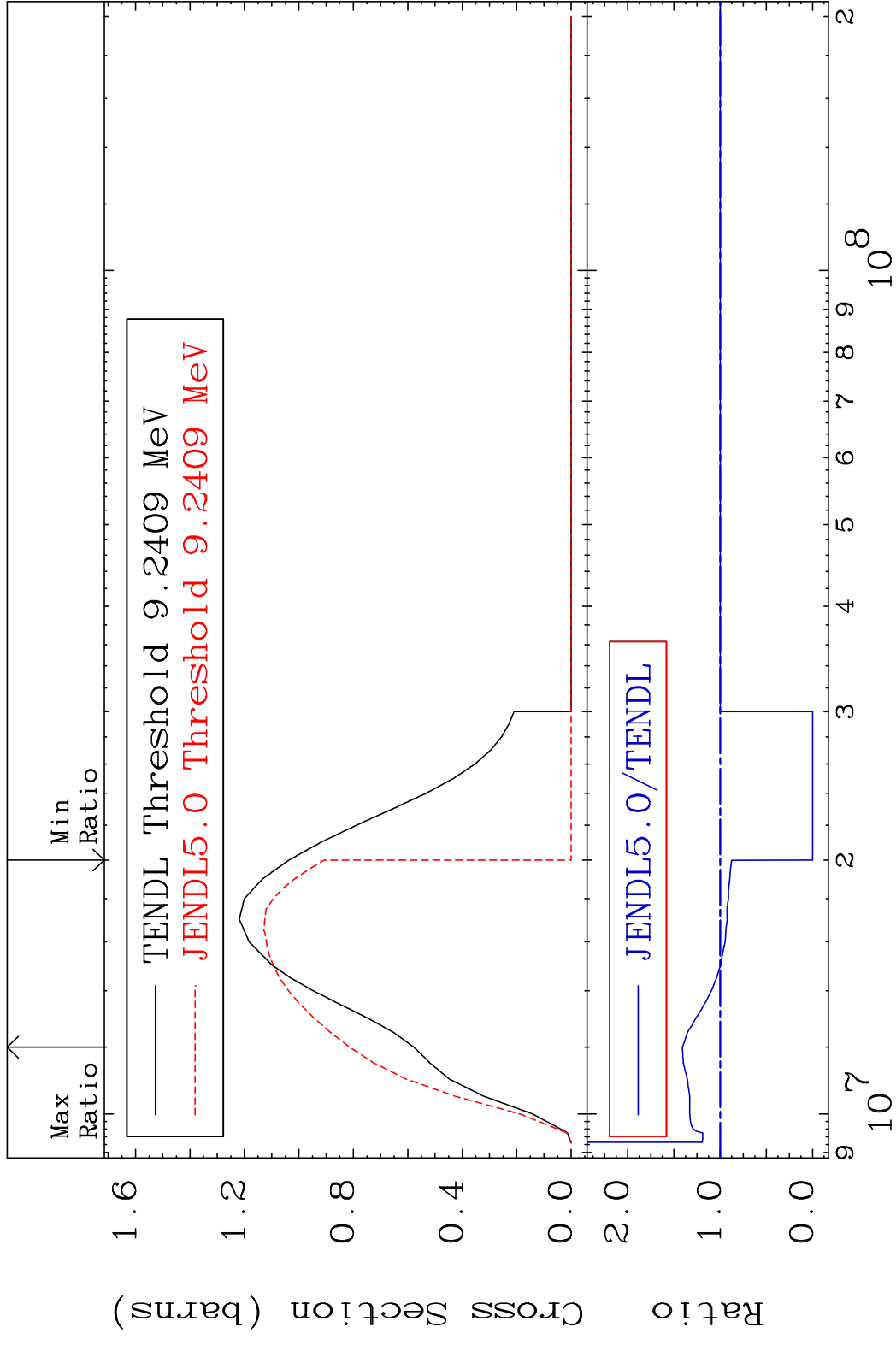


MAT 8019 Dpa disappearance (mt102 -120) 80-Hg-194
 Cross Section -100.0 To 9999. %



49 Incident Energy (eV) 80-Hg-194

MAT 8019 (n,2n):80-Hg-193g 80-Hg-194
 Radionuclide Production Cross Section Ratio 40.89 %



50 Incident Energy (eV) 80-Hg-194

MAT 8019 (n,2n):80-Hg-193m3 80-Hg-194
 Radionuclide Production Cross Section 100.0 dth 106.2 %

