

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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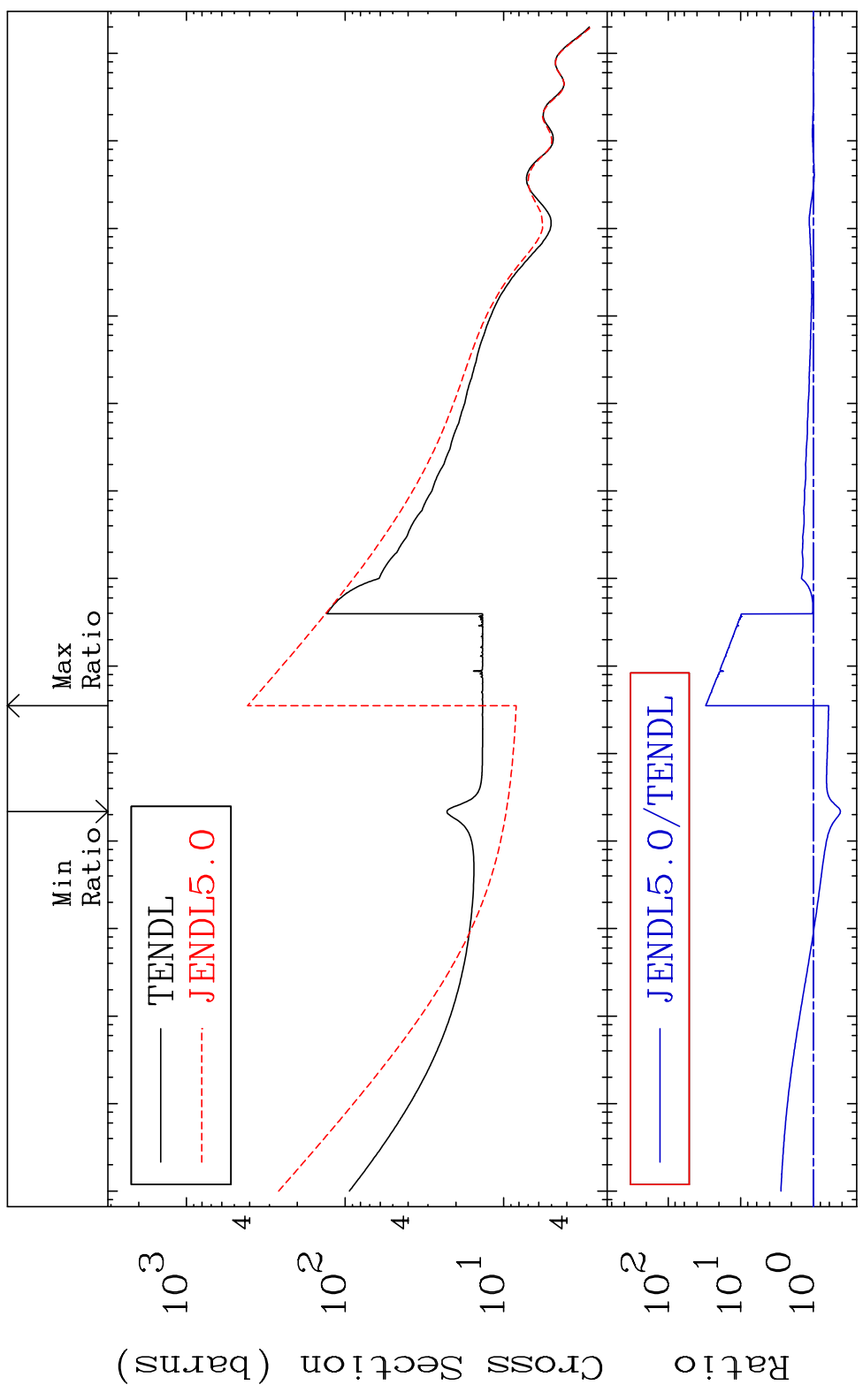
Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8023

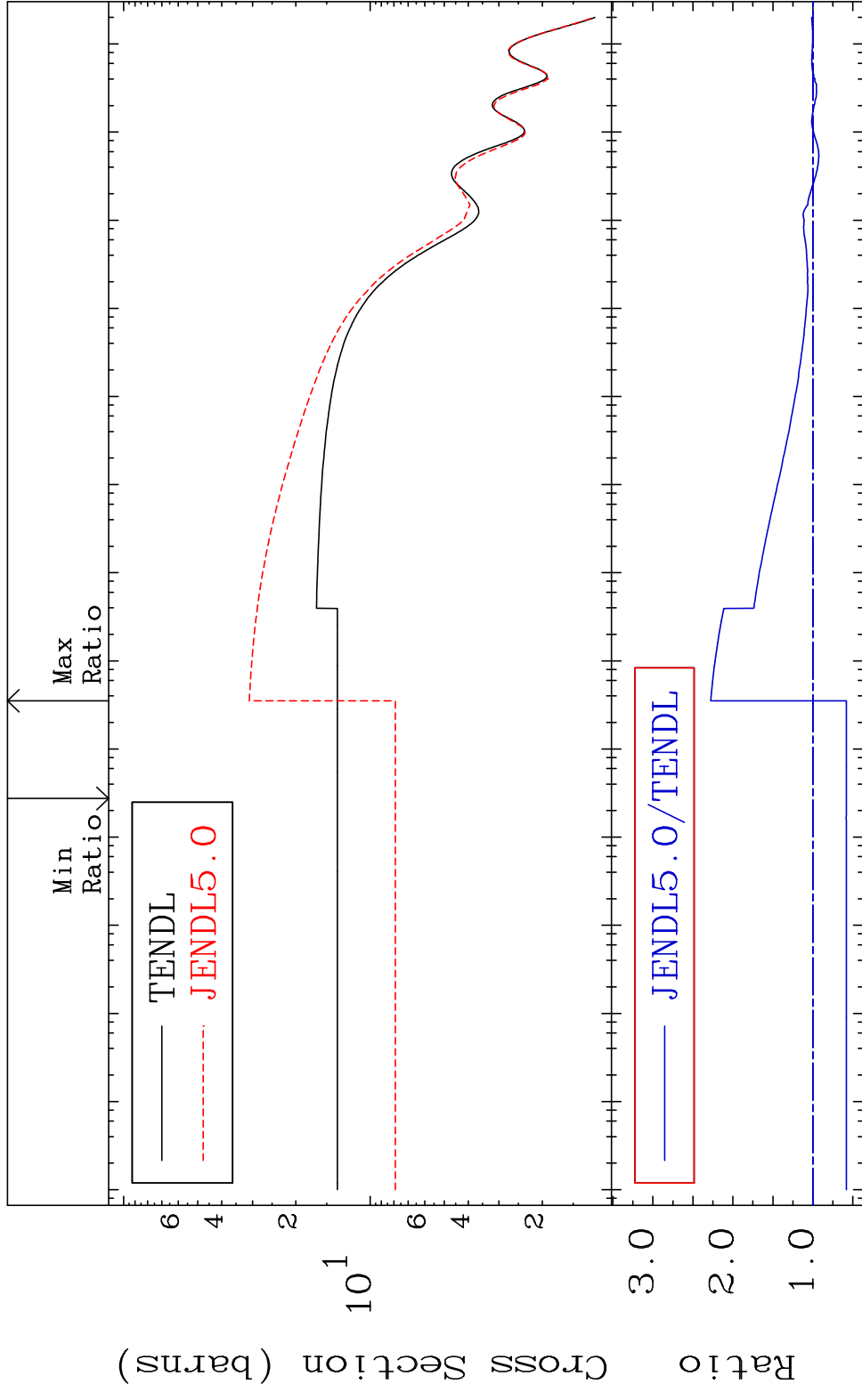
Total Cross Section
80-Hg-195m
-57.72 To 2937. %



1 Incident Energy (eV) 80-Hg-195m

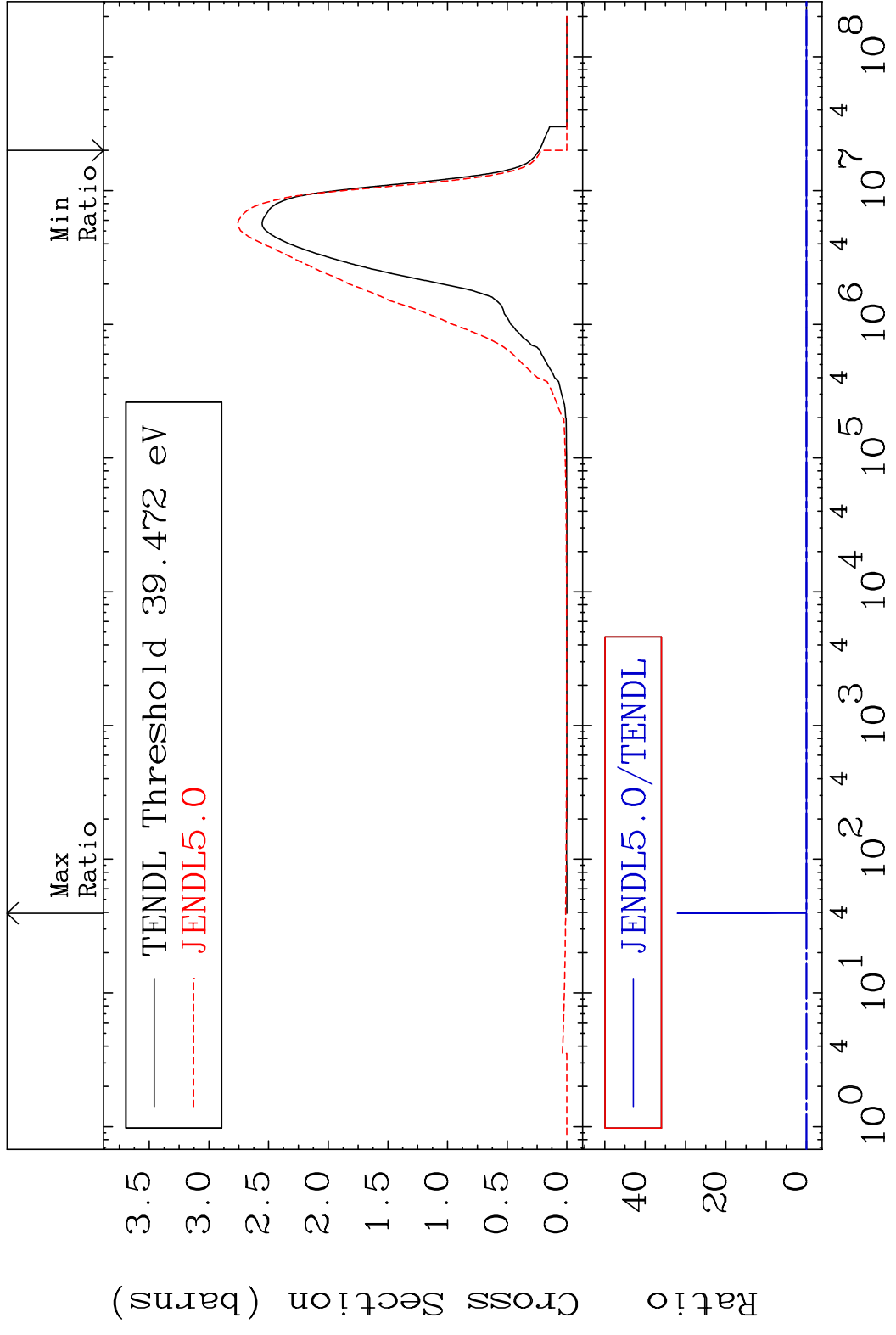
MAT 8023

Elastic
Cross Section -41.81 To 127.7 %



80-Hg-195m
Incident Energy (eV)

MAT 8023 Inelastic Cross Section 80-Hg-195m
 -100.0 To 9999. %

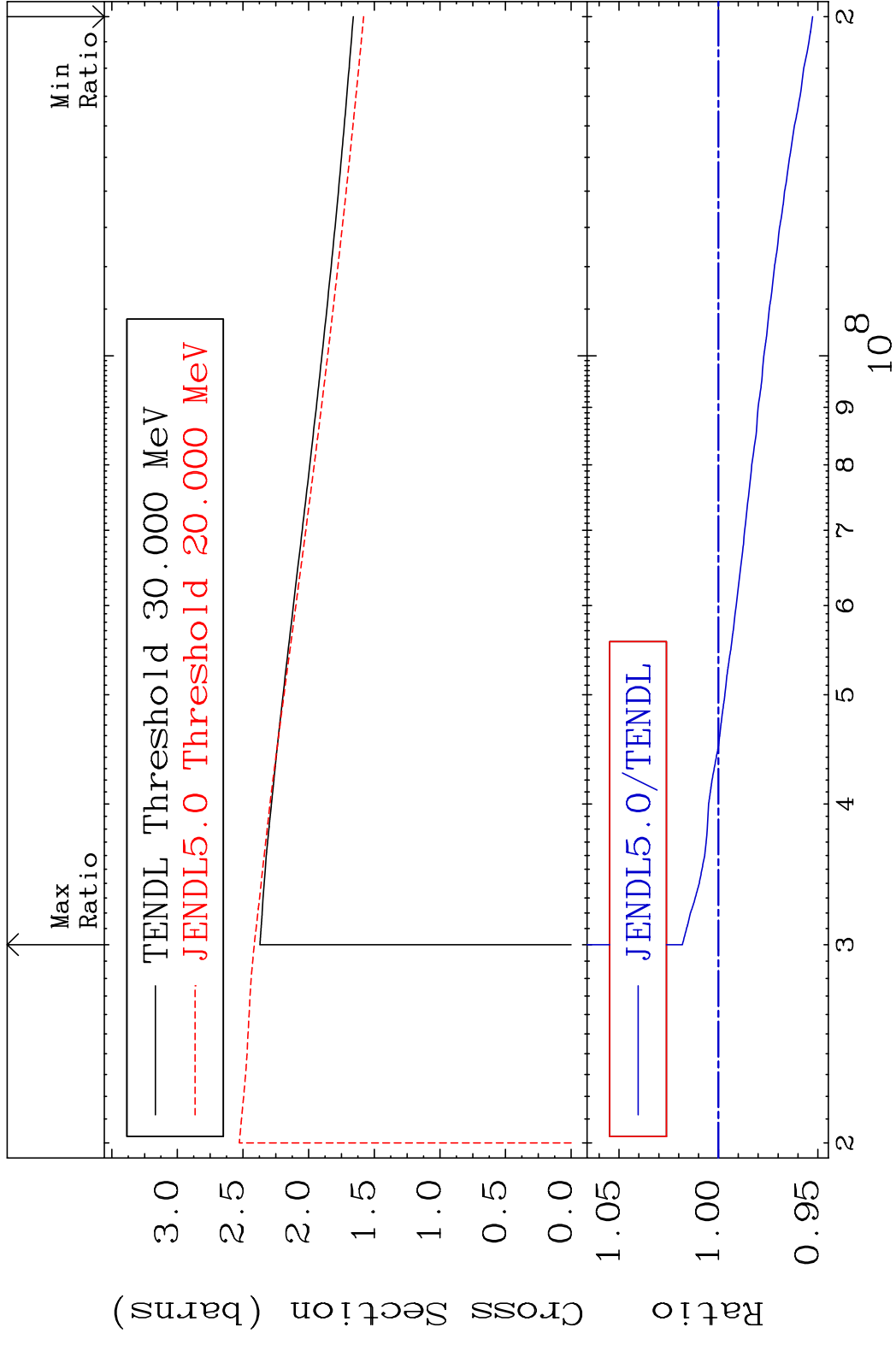


MAT 8023

(n, remainder)

80-Hg-195m

Cross Section -4.735 To 1.816 %

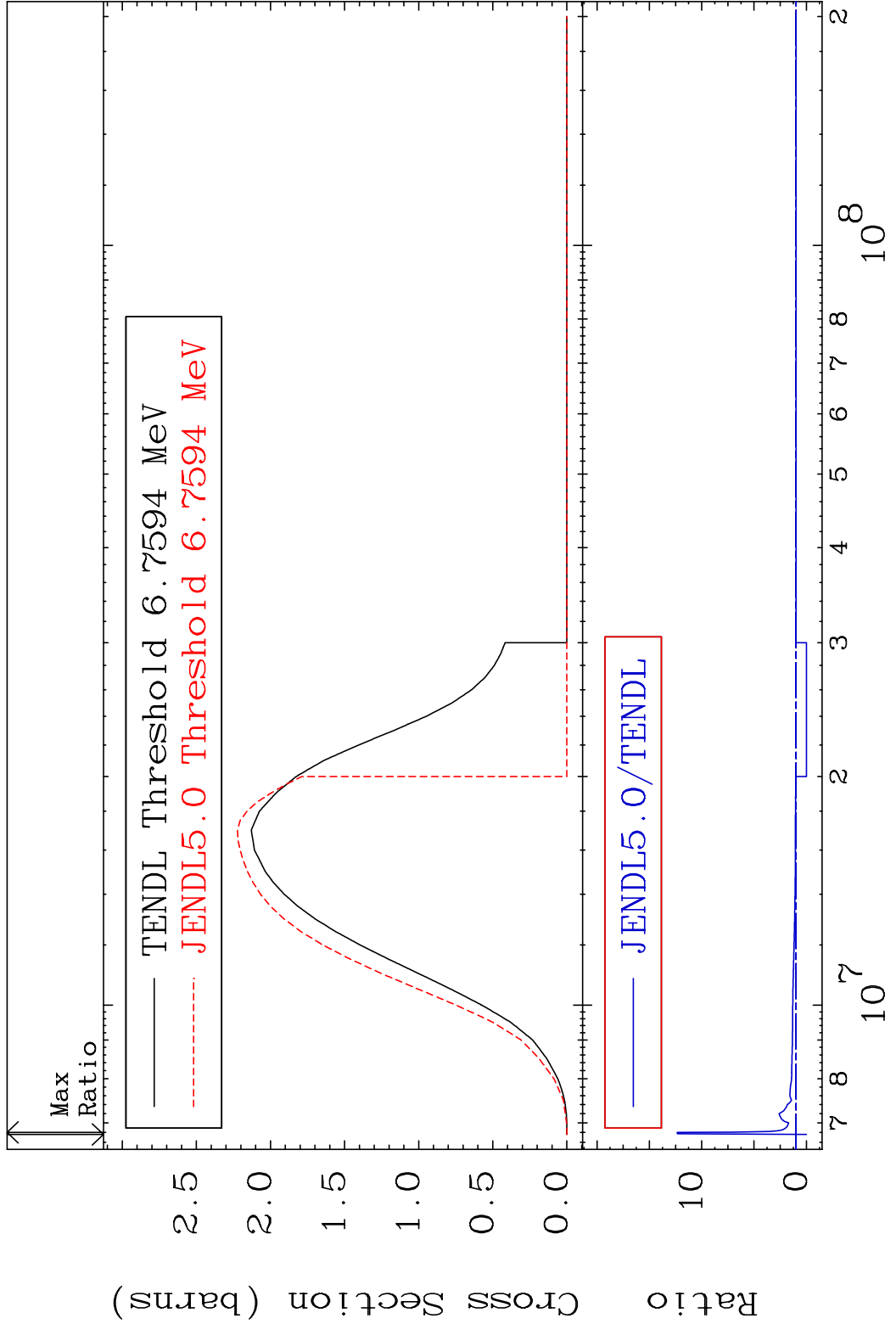


4

Incident Energy (eV)

80-Hg-195m

MAT 8023 (n,2n) 80-Hg-195m
 Cross Section -100.0 To 1134. %



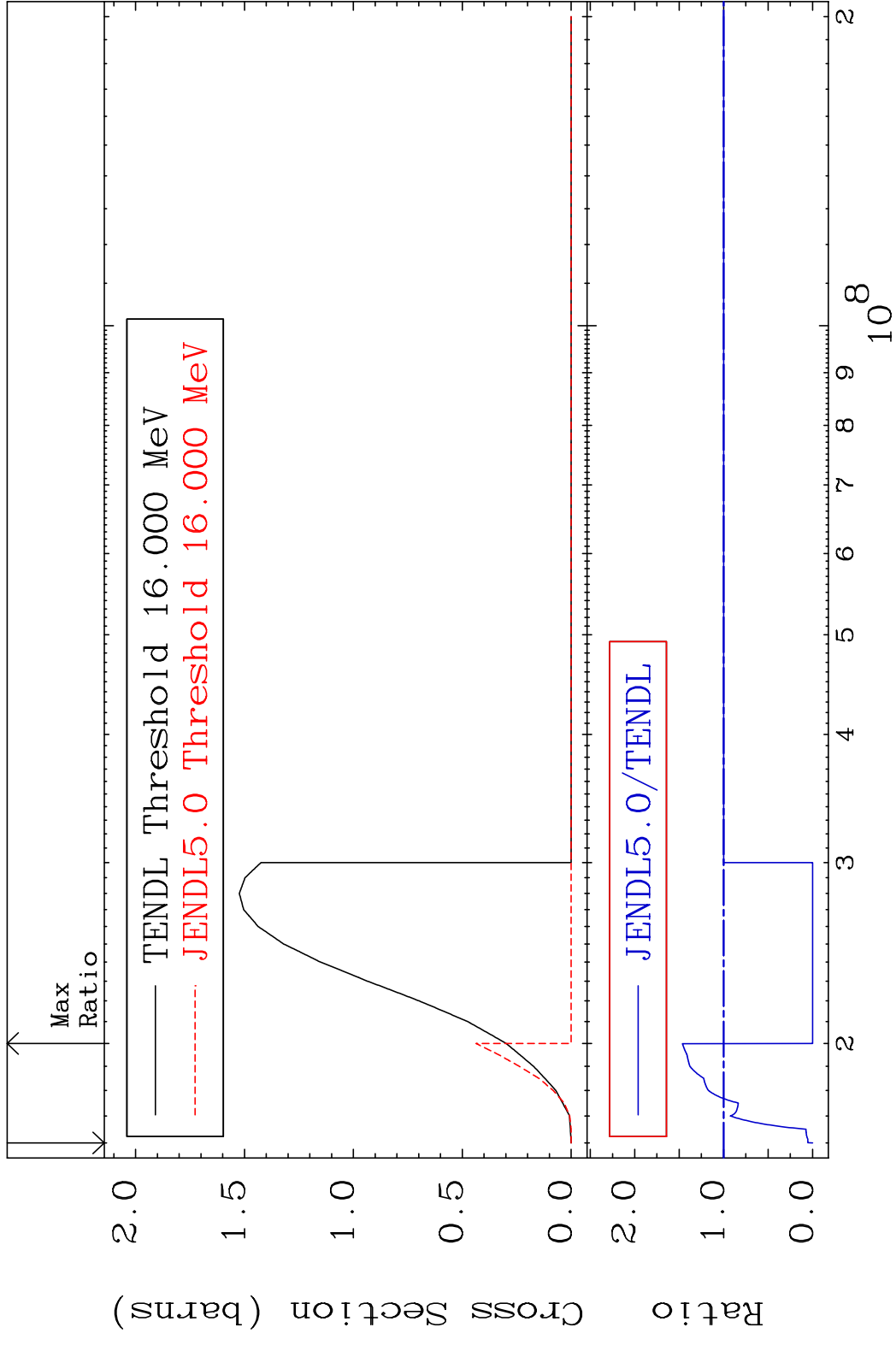
5 Incident Energy (eV) 80-Hg-195m

MAT 8023

(n,3n)

80-Hg-195m

Cross Section -100.0 To 46.44 %

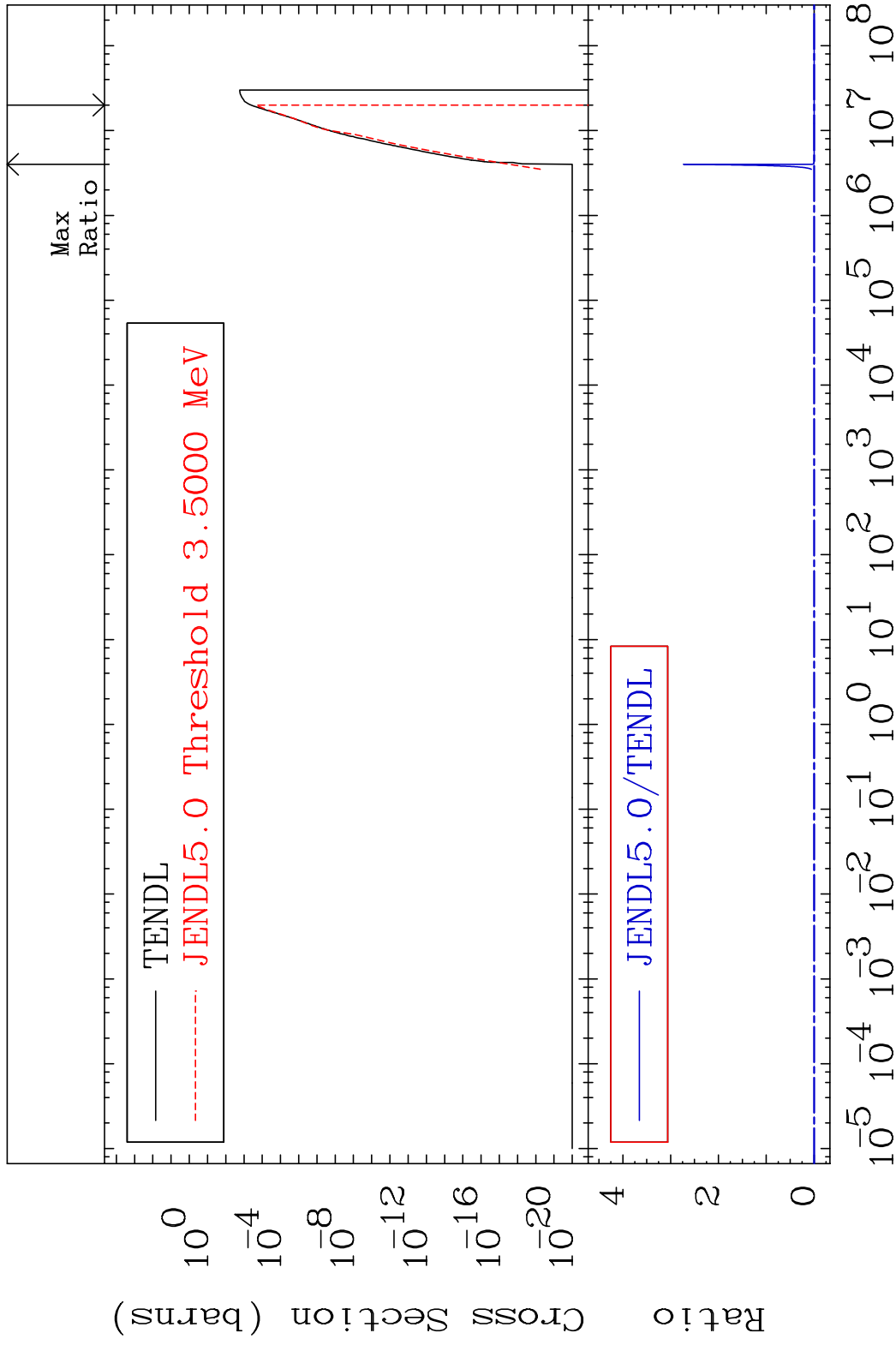


MAT 8023

(n, n') α

80-Hg-195m

Cross Section -100.0 To 9999. %

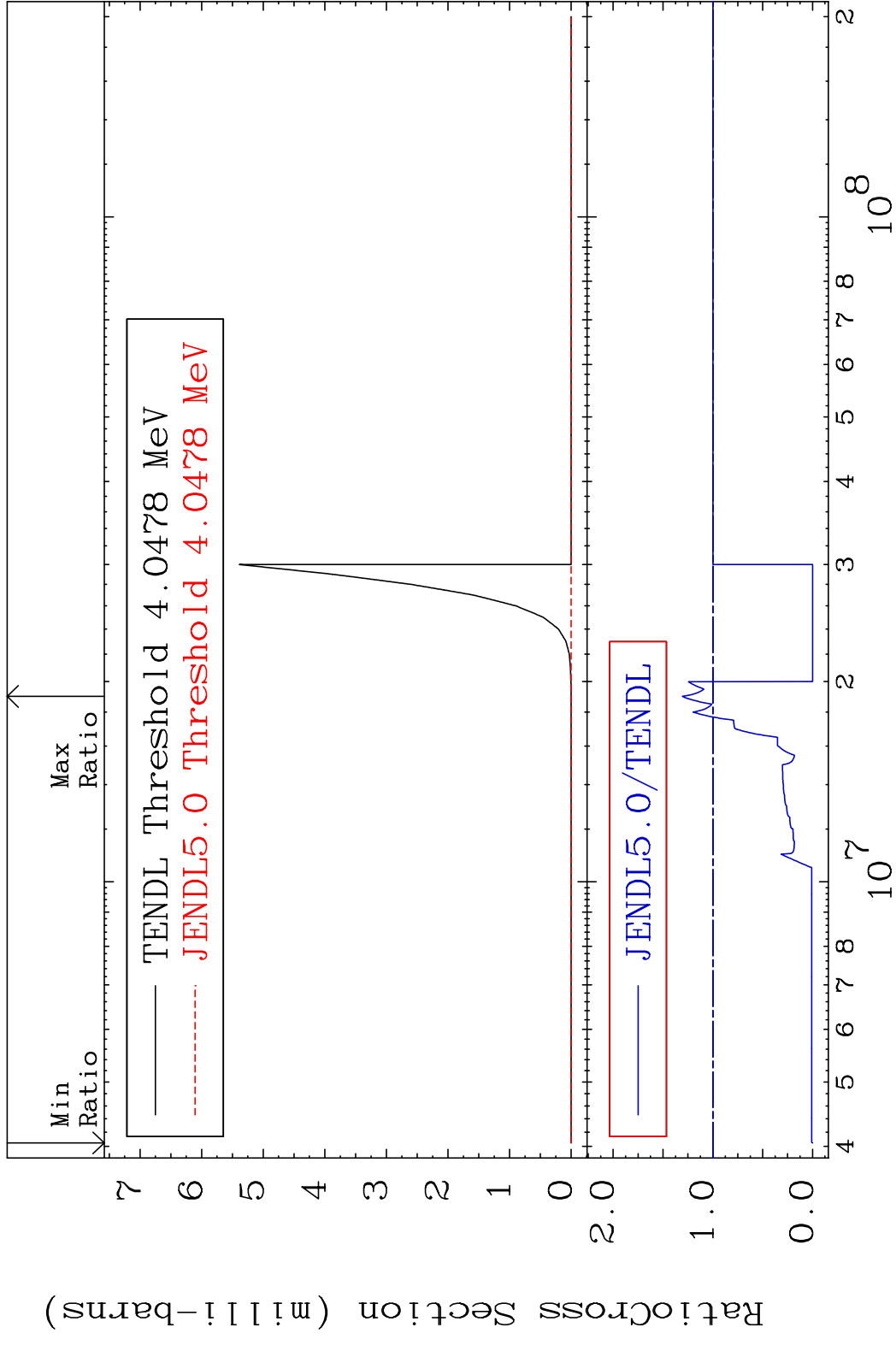


7

Incident Energy (eV)

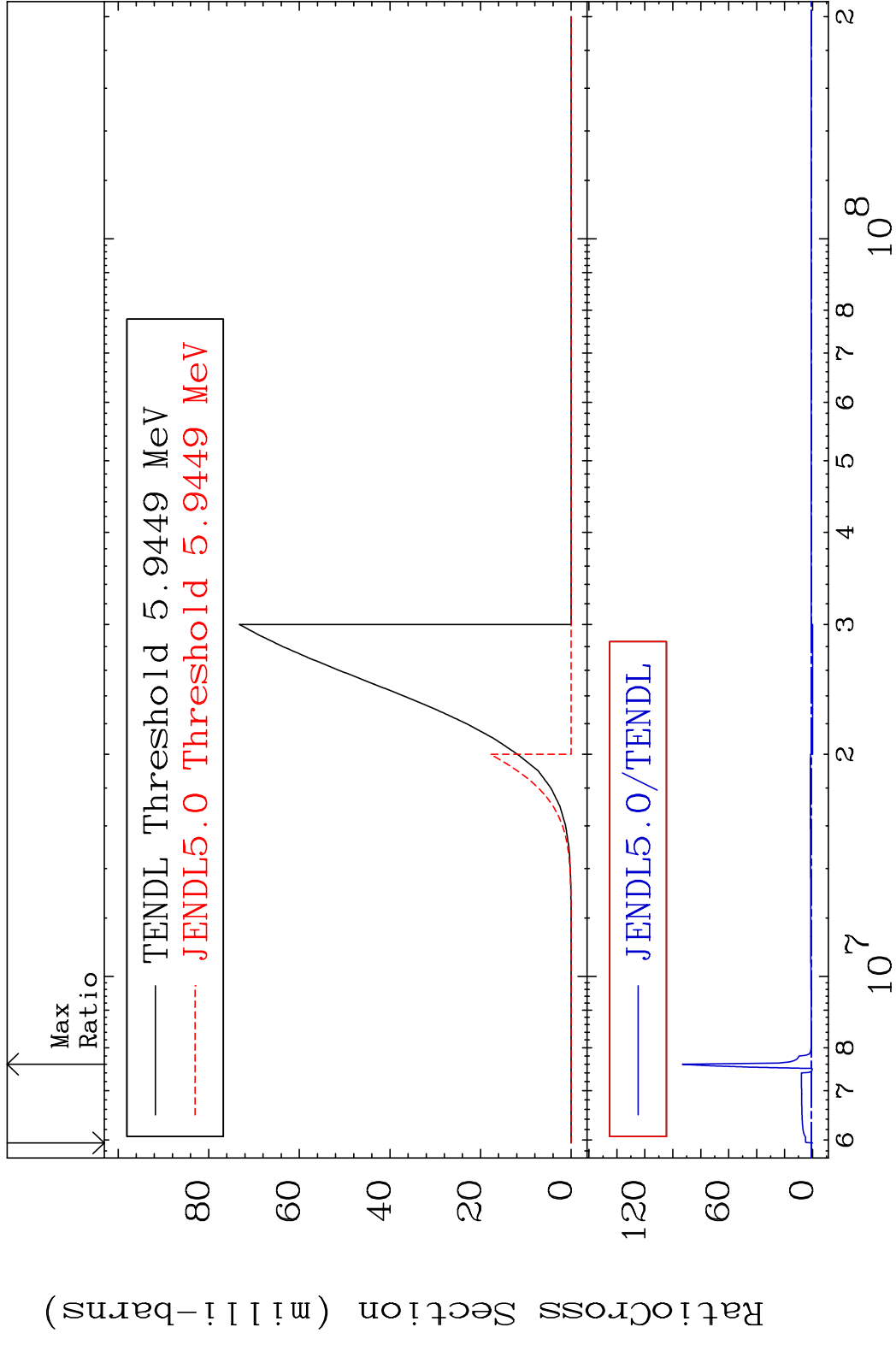
80-Hg-195m

MAT 8023 (n,2n) α 80-Hg-195m
 Cross Section -100.0 To 30.58 %



MAT 8023

(n, n') p 80-Hg-195m
Cross Section -100.0 To 9216. %

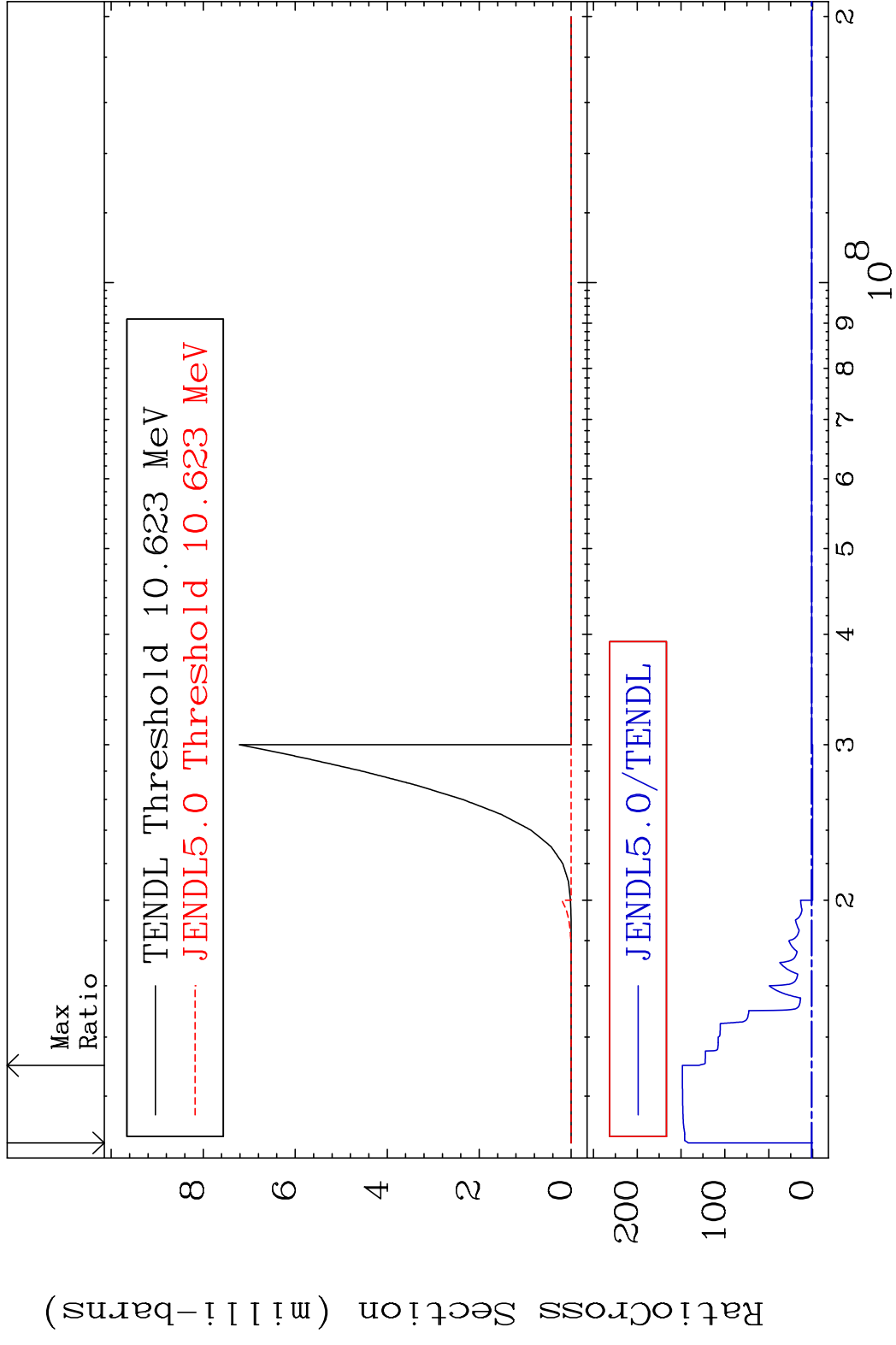


9

Incident Energy (eV)

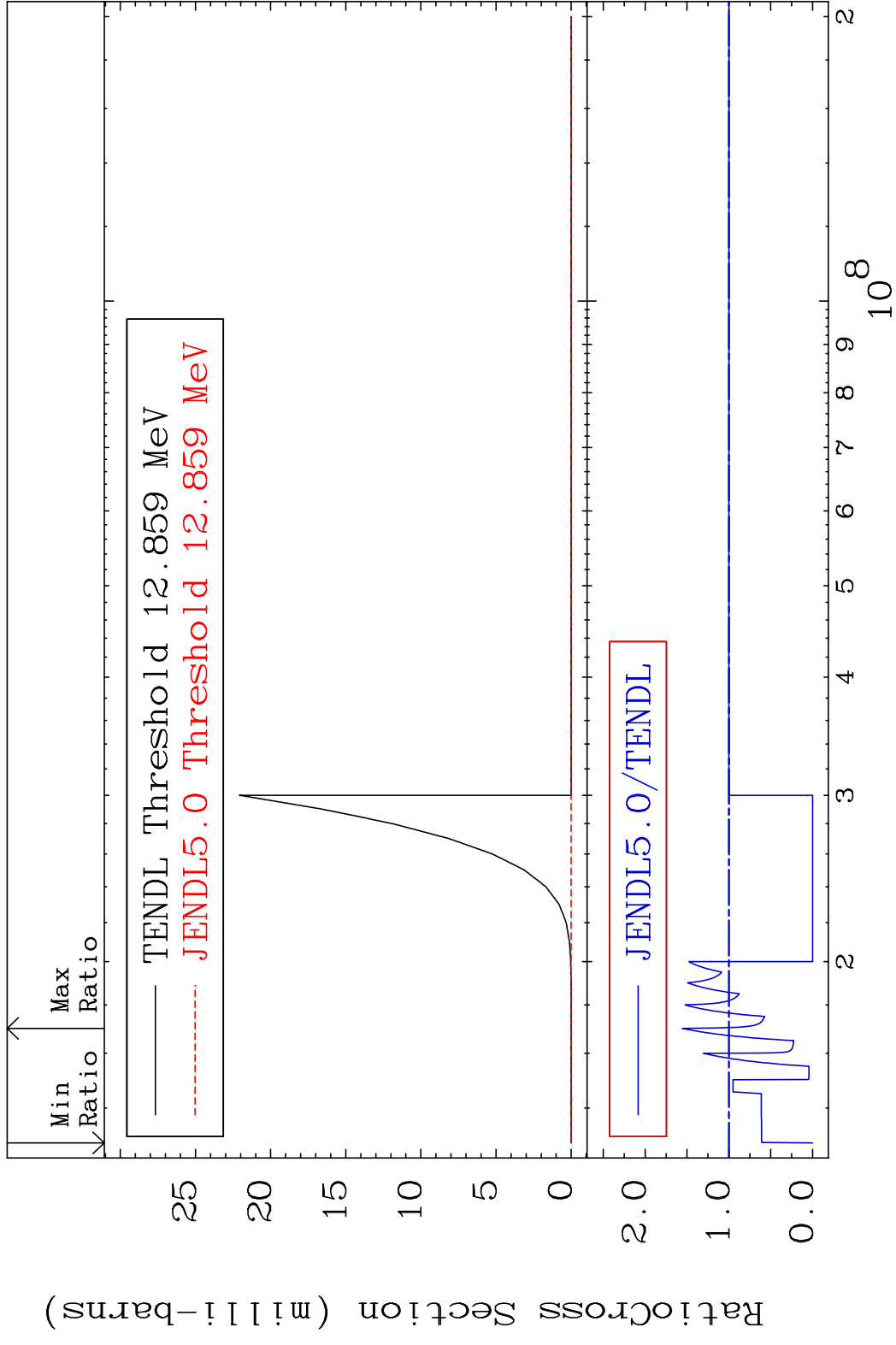
80-Hg-195m

MAT 8023 (n, n') d 80-Hg-195m
 Cross Section -100.0 To 9999. %

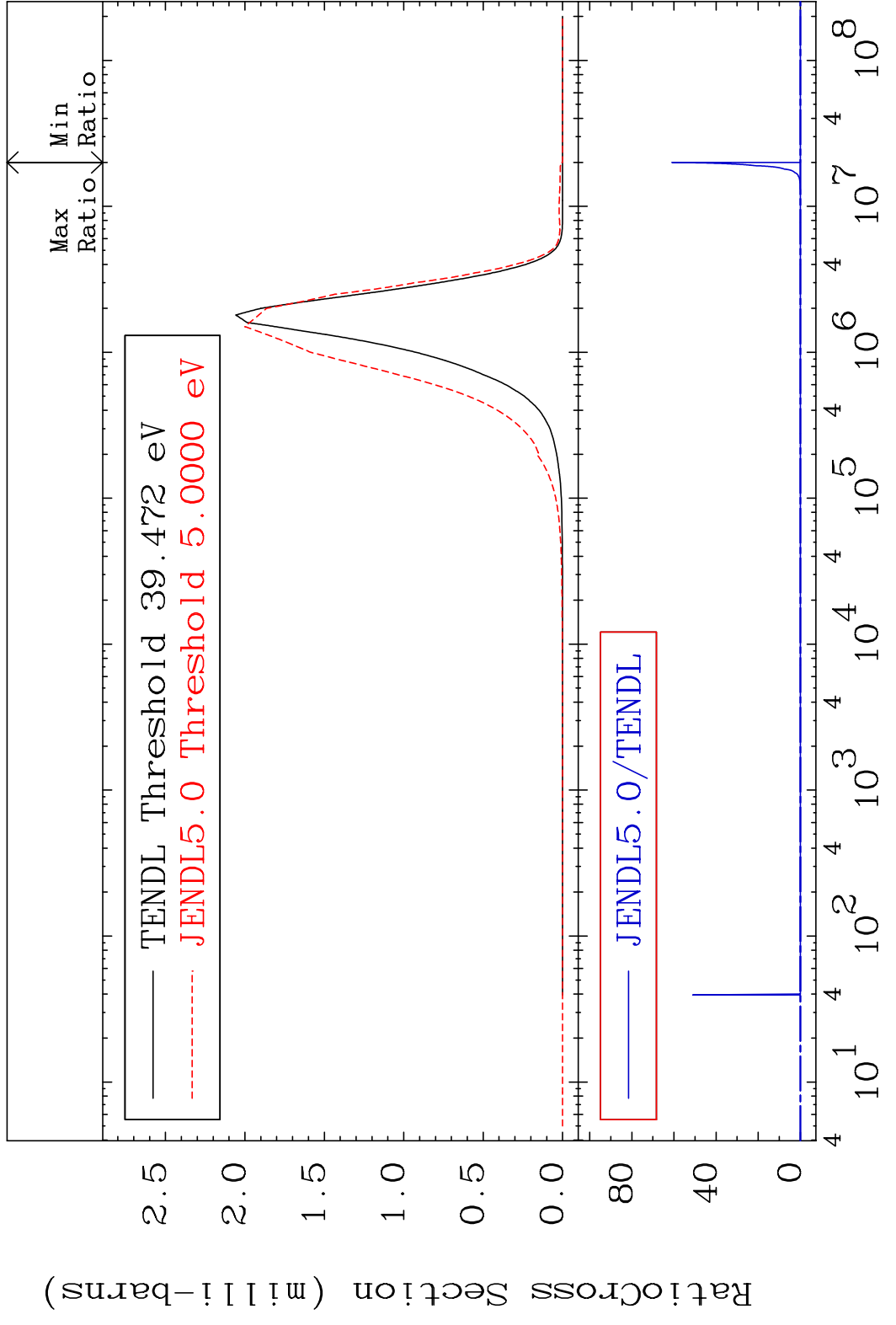


10 Incident Energy (eV) 80-Hg-195m

MAT 8023 (n,2n) p 80-Hg-195m
 Cross Section -100.0 To 55.58 %

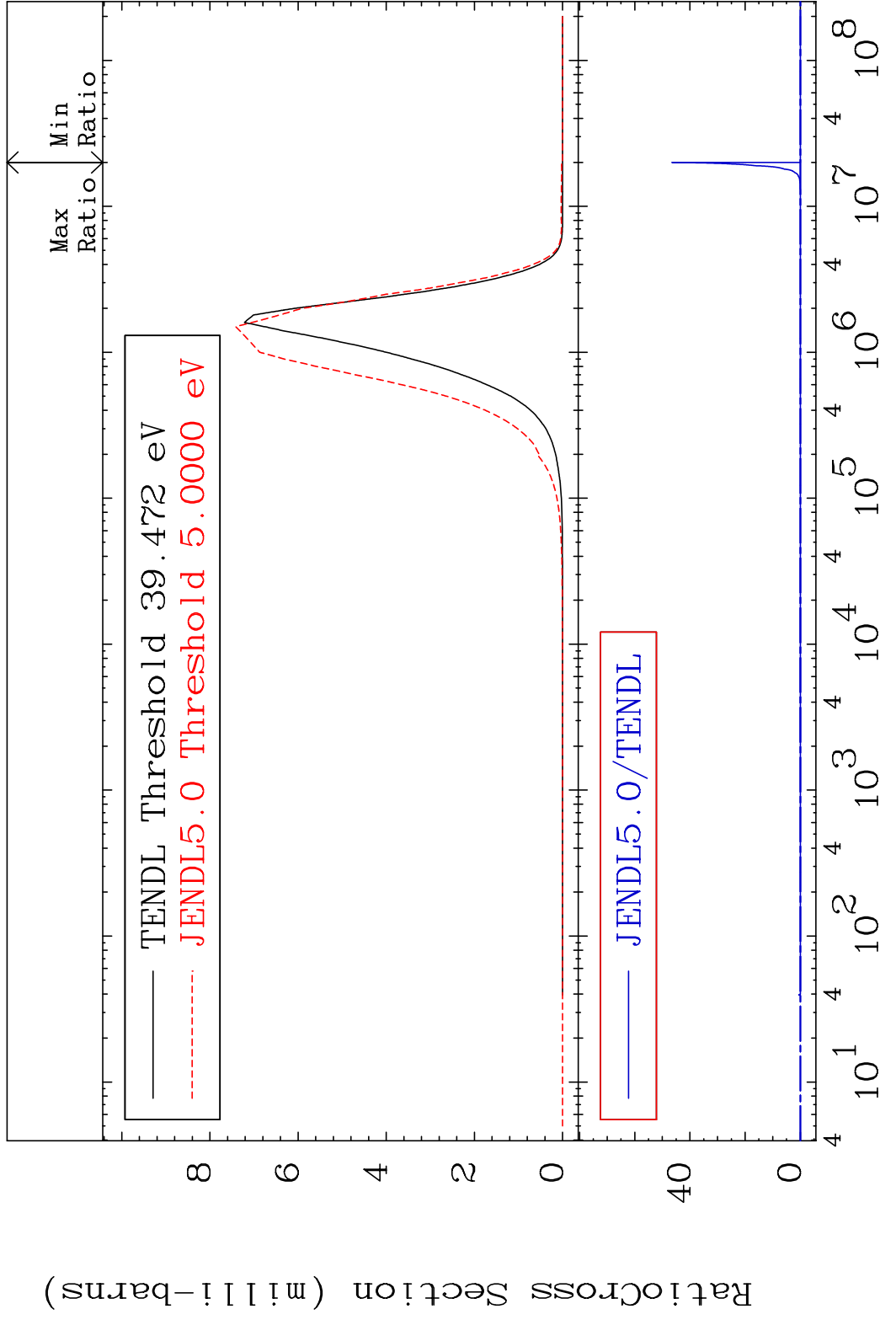


MAT 8023 MT= 51 (n, n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %

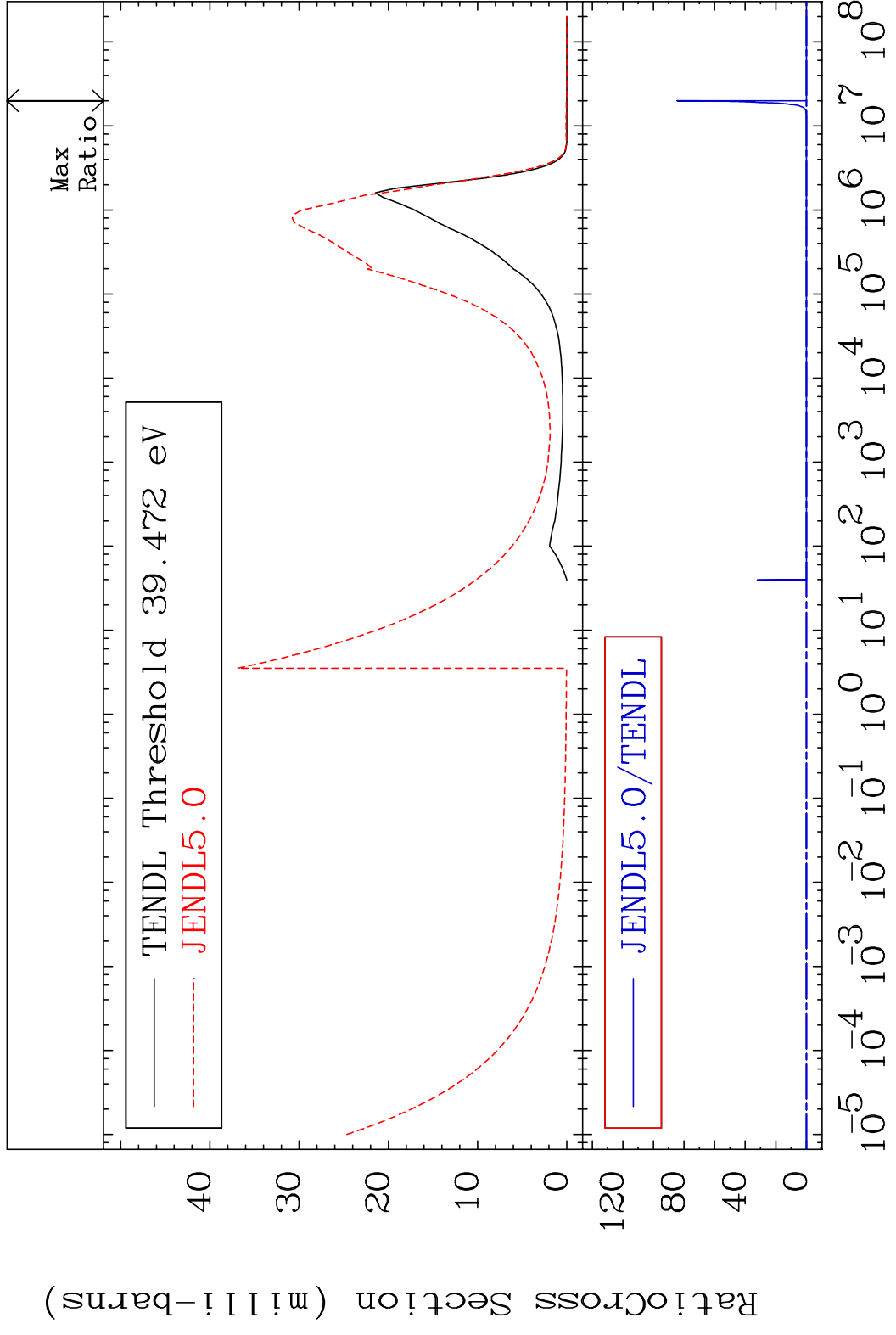


12 Incident Energy (eV) 80-Hg-195m

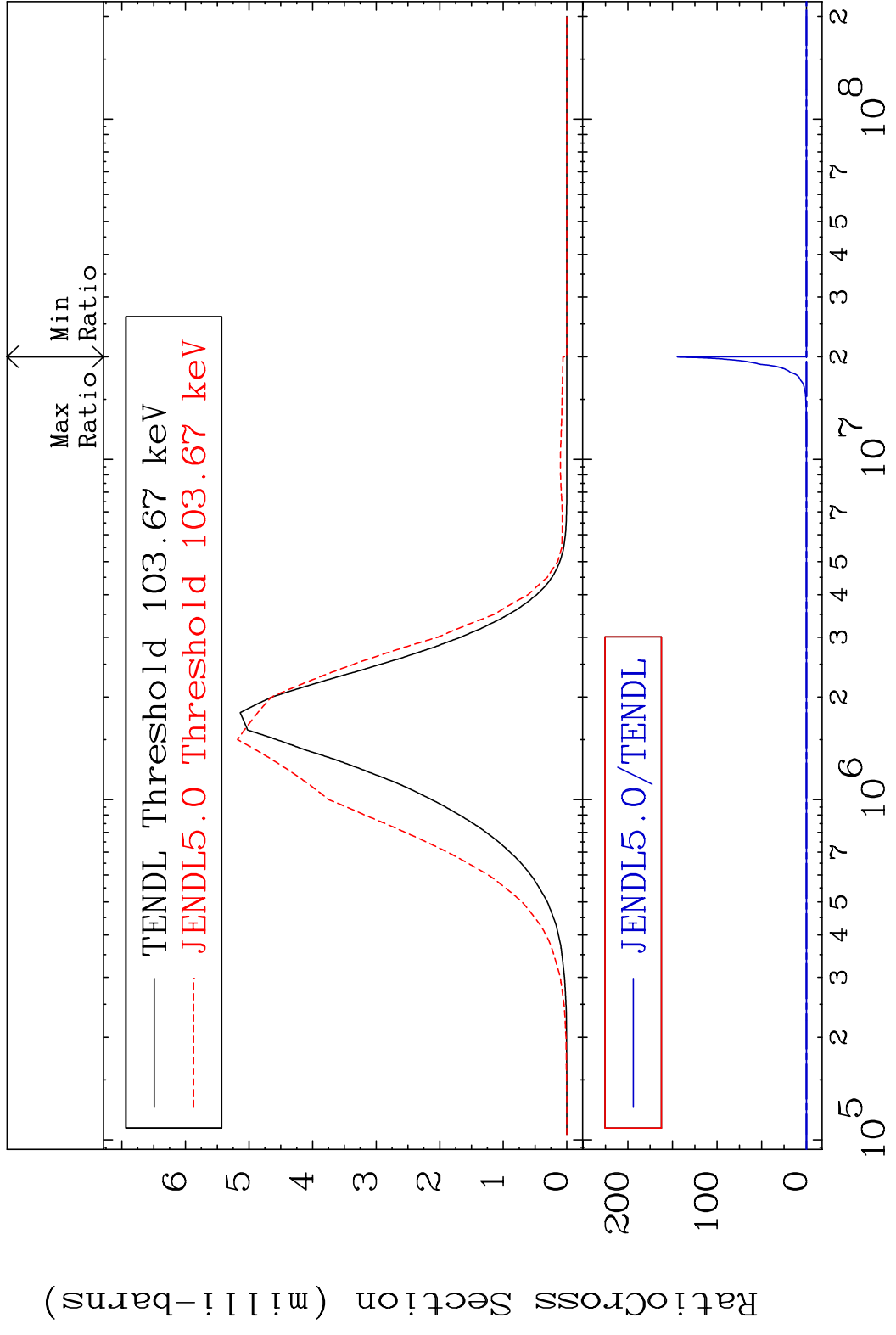
MAT 8023 MT= 52 (n, n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %



MAT 8023 MT= 53 (n,n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %

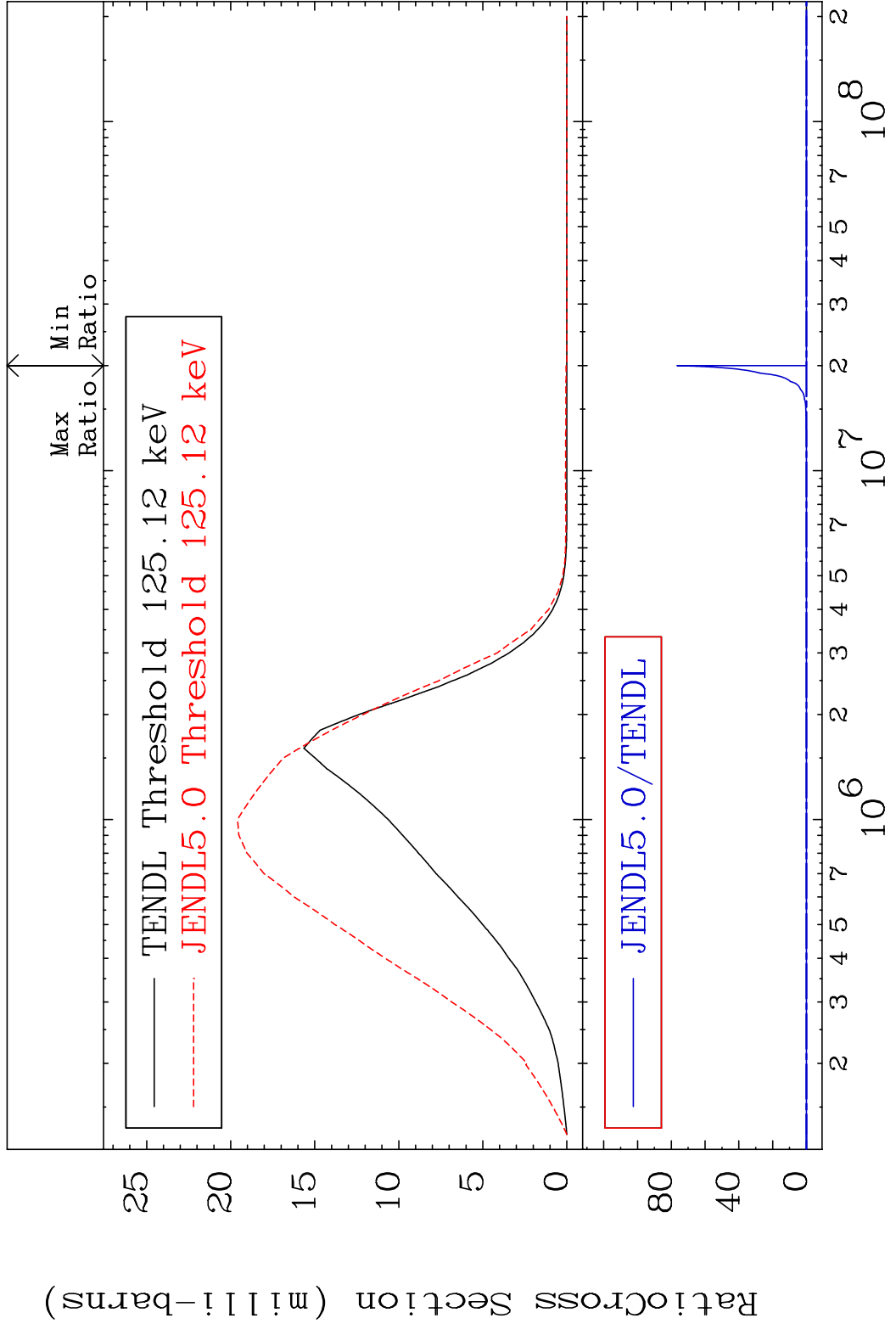


MAT 8023 MT= 54 (n,n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %

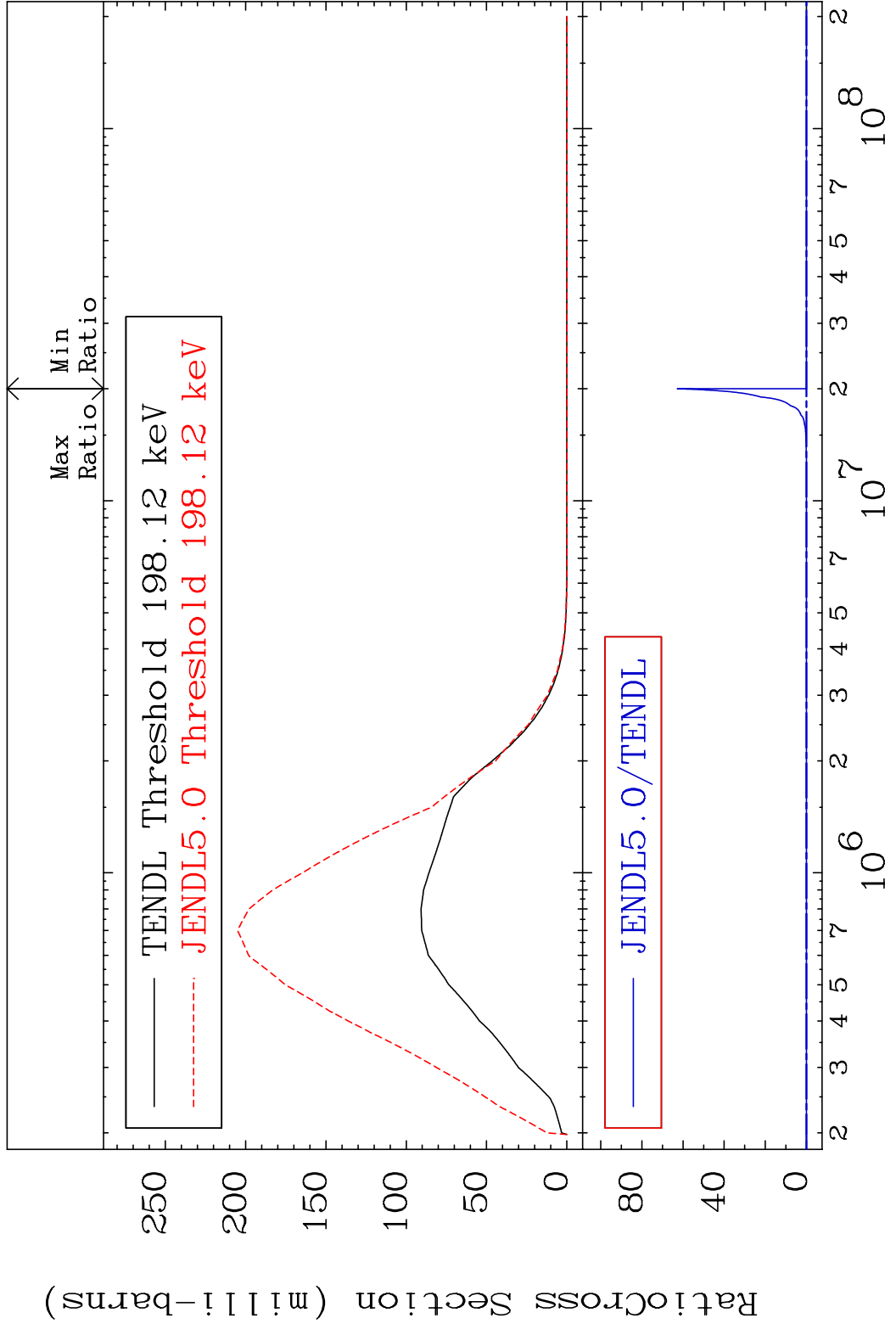


15 80-Hg-195m

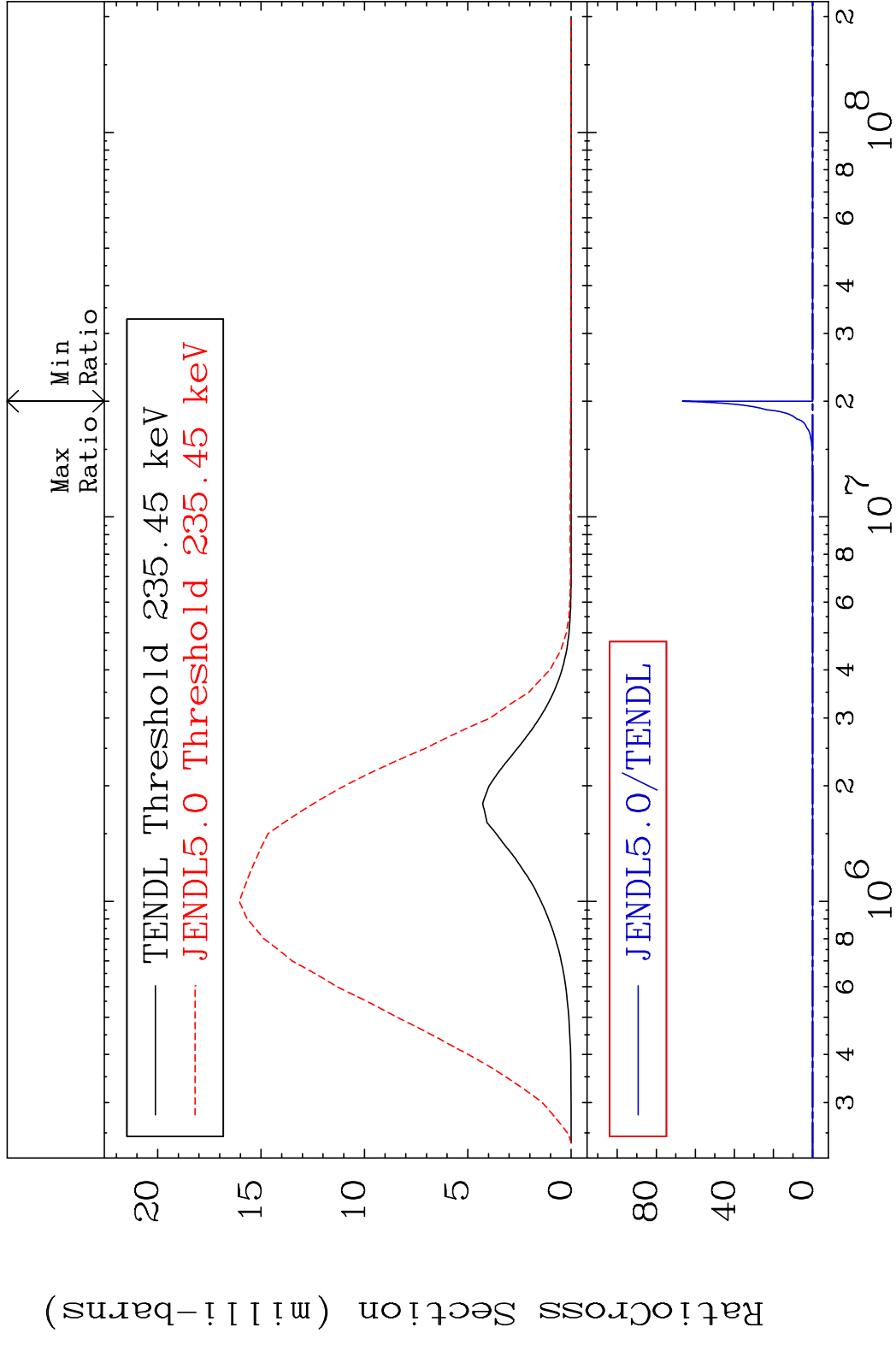
MAT 8023 MT= 55 (n, n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %



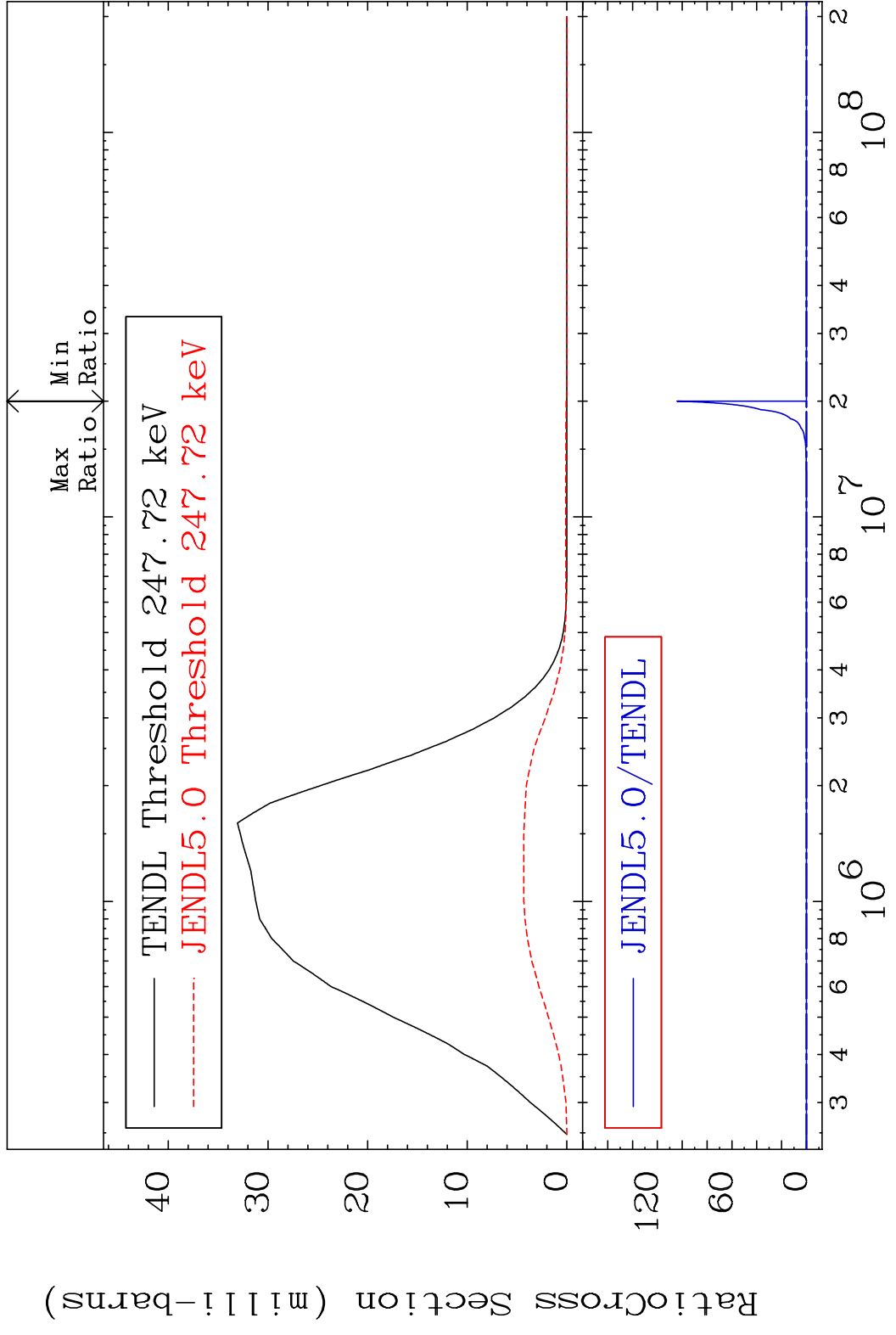
MAT 8023 MT= 56 (n,n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %



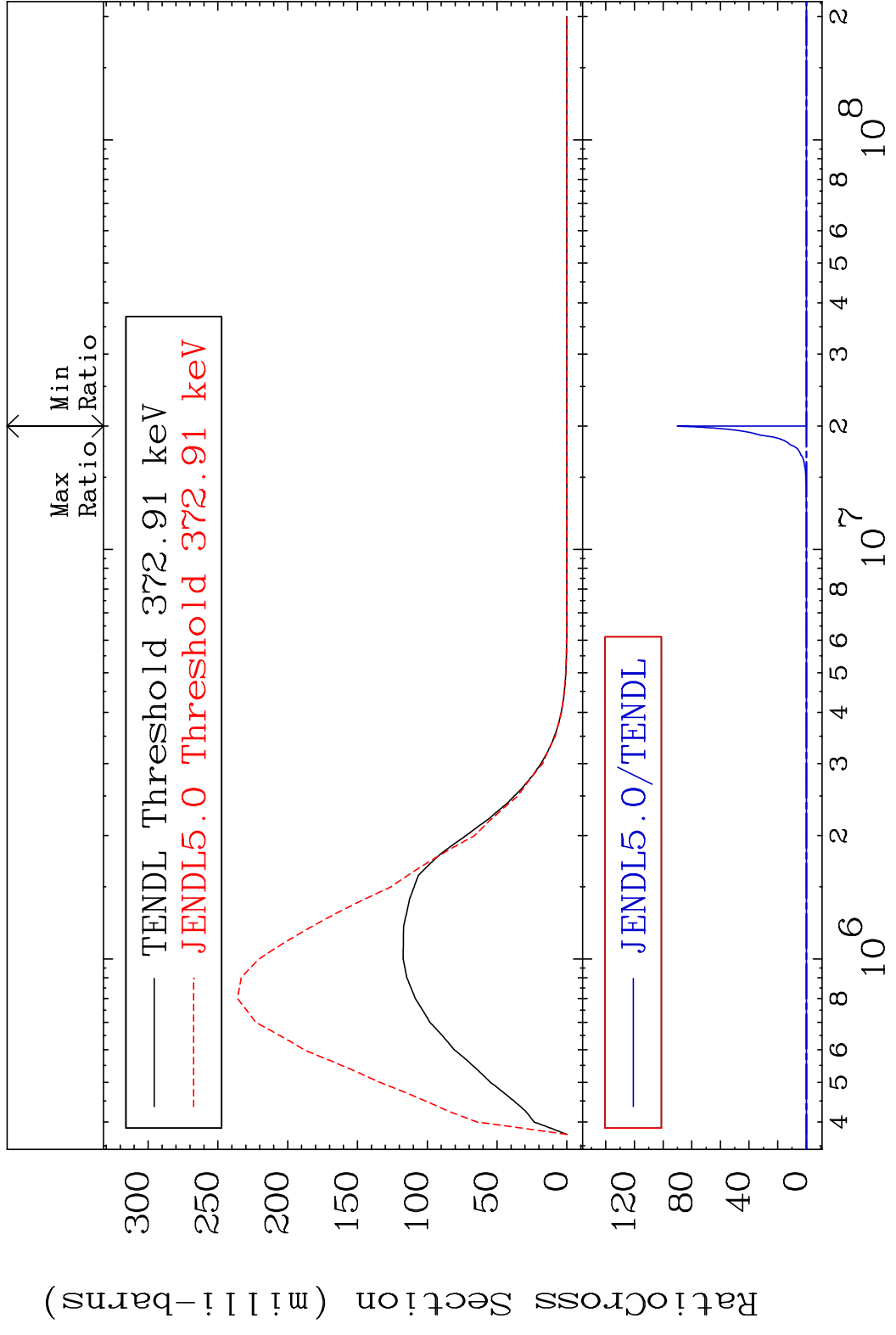
MAT 8023 MT= 57 (n,n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %



MAT 8023 MT= 58 (n, n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %

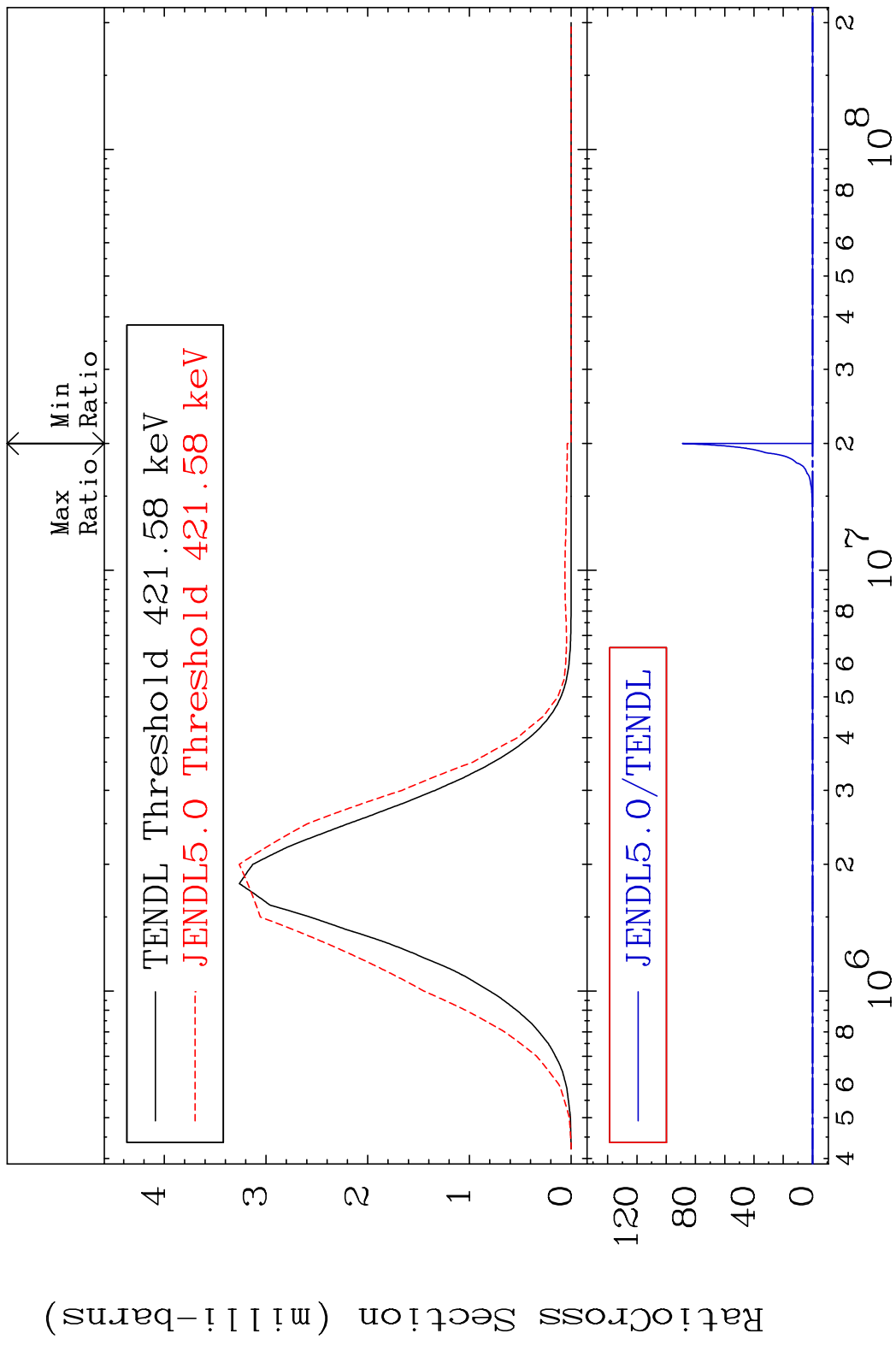


MAT 8023 MT= 59 (n, n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %

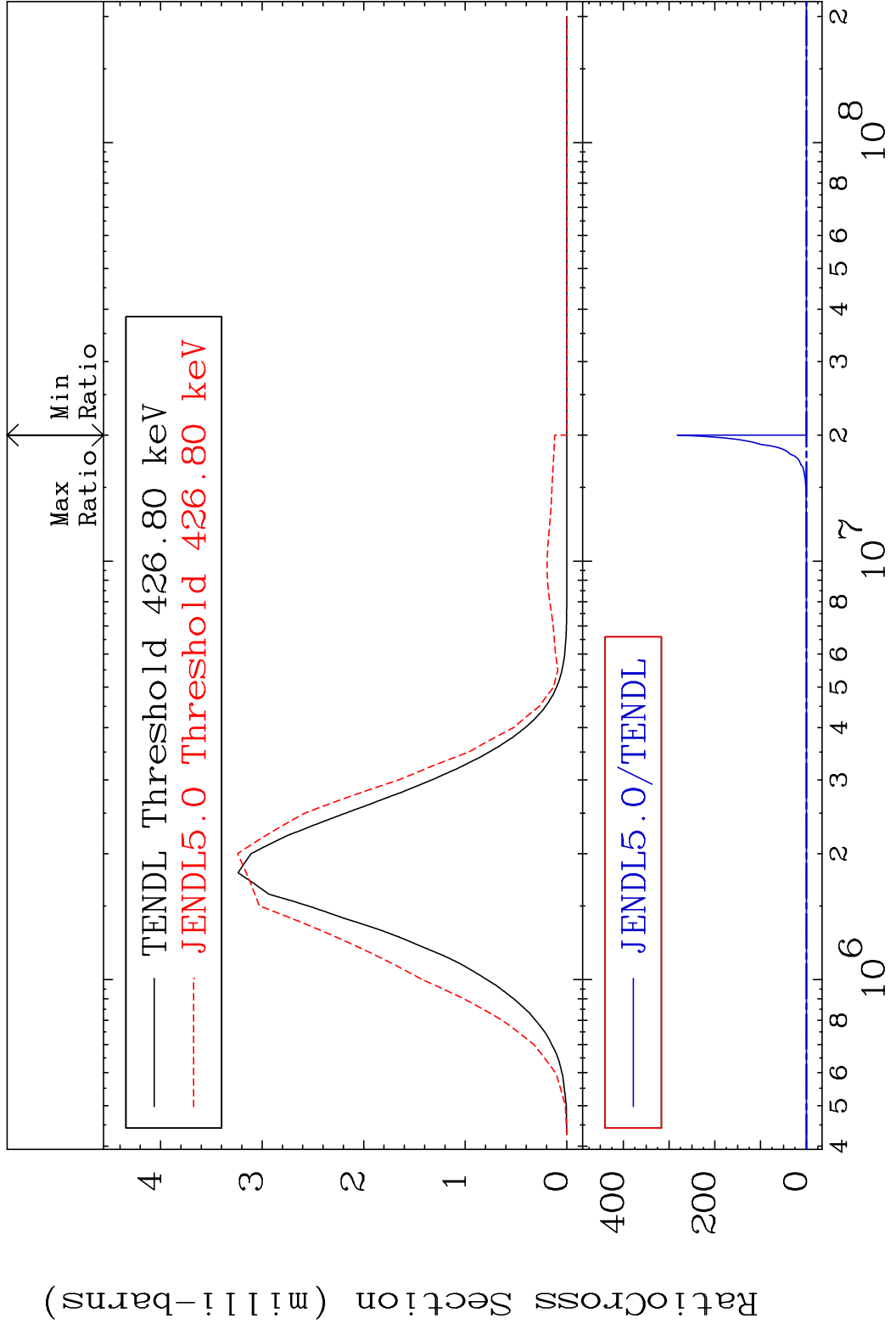


20 Incident Energy (eV) 80-Hg-195m

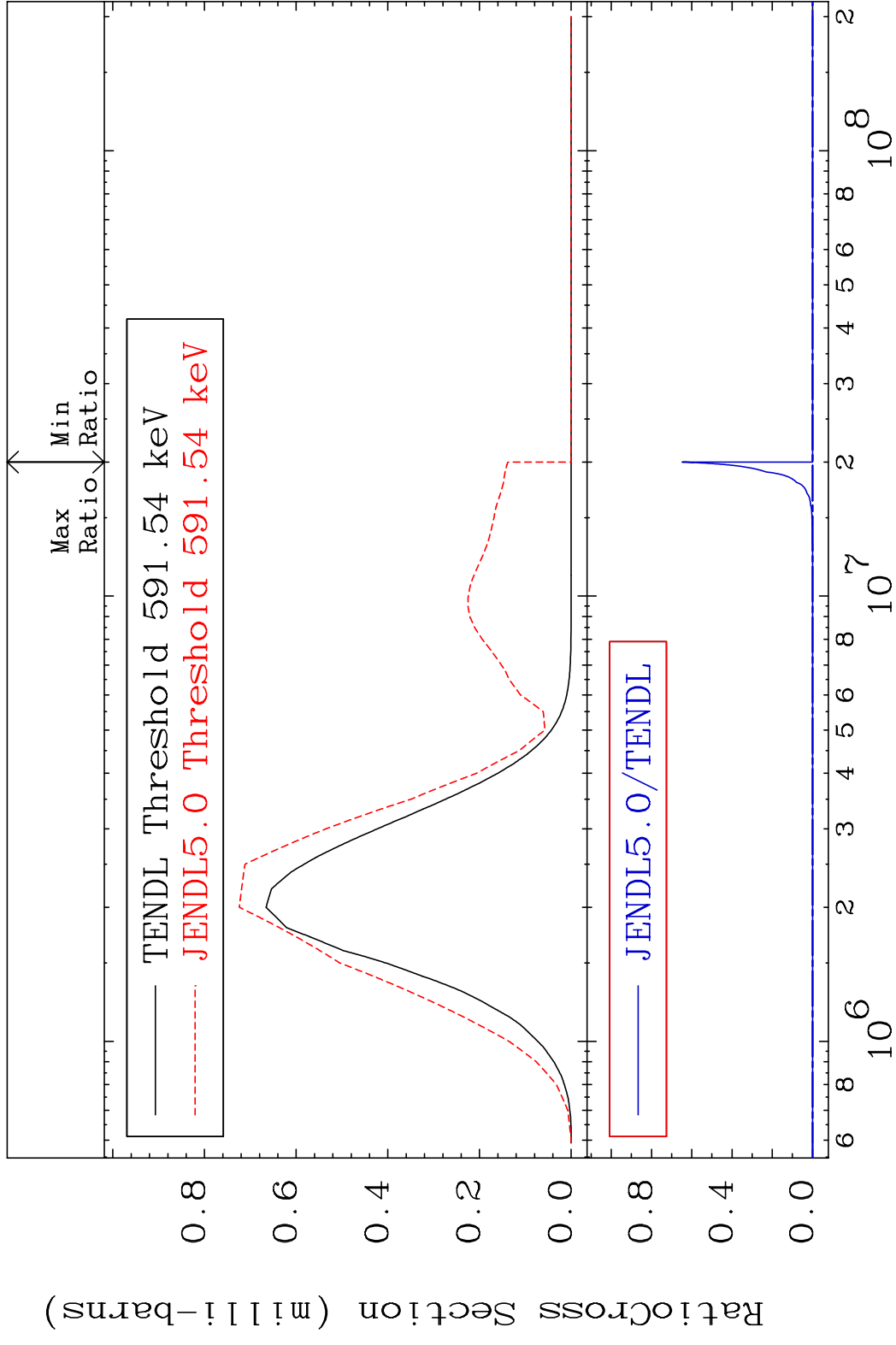
MAT 8023 MT= 60 (n, n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %



MAT 8023 MT= 61 (n, n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %



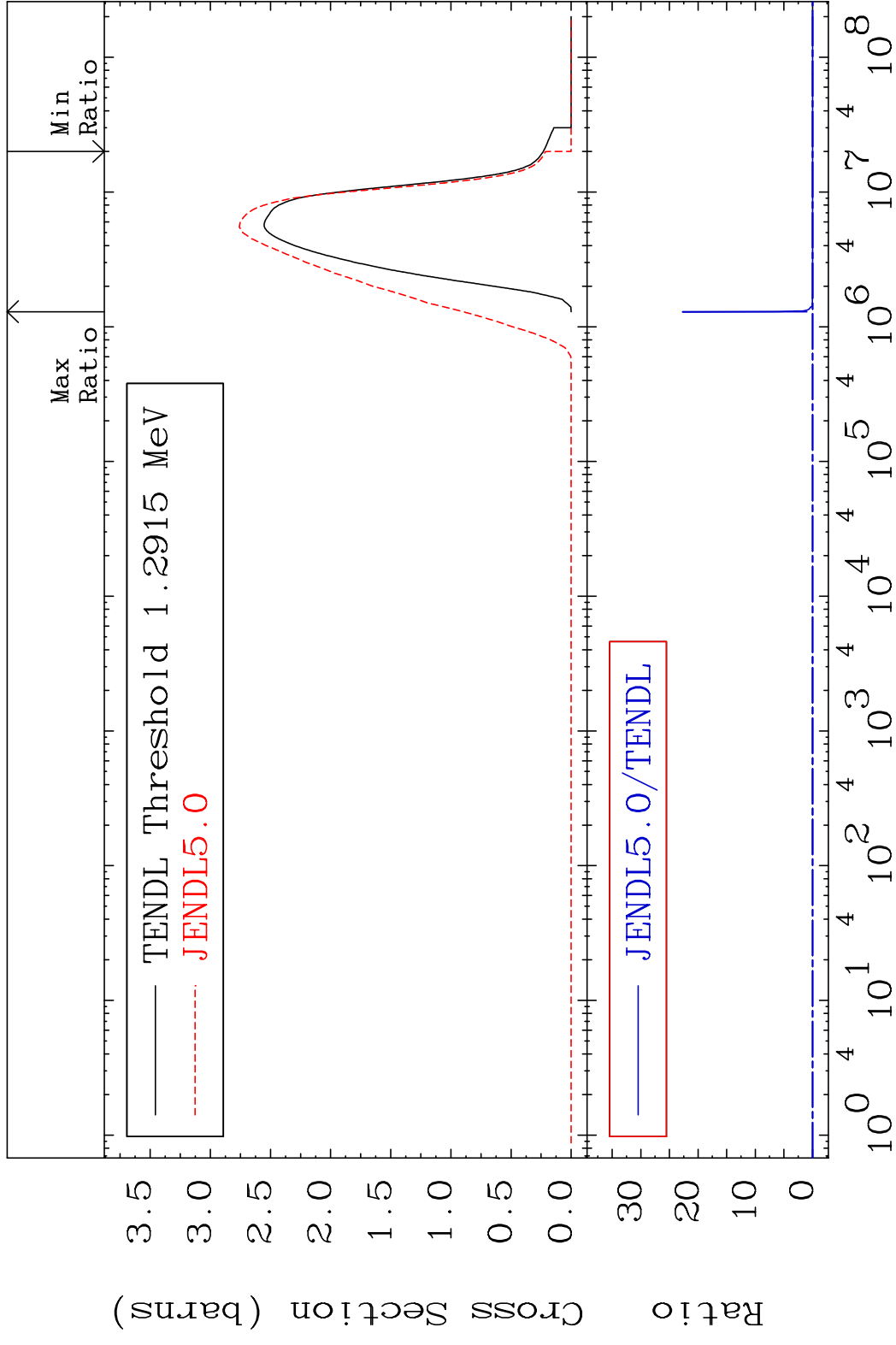
MAT 8023 MT= 62 (n, n') Level 80-Hg-195m
 Cross Section -100.0 To 9999. %



MAT 8023

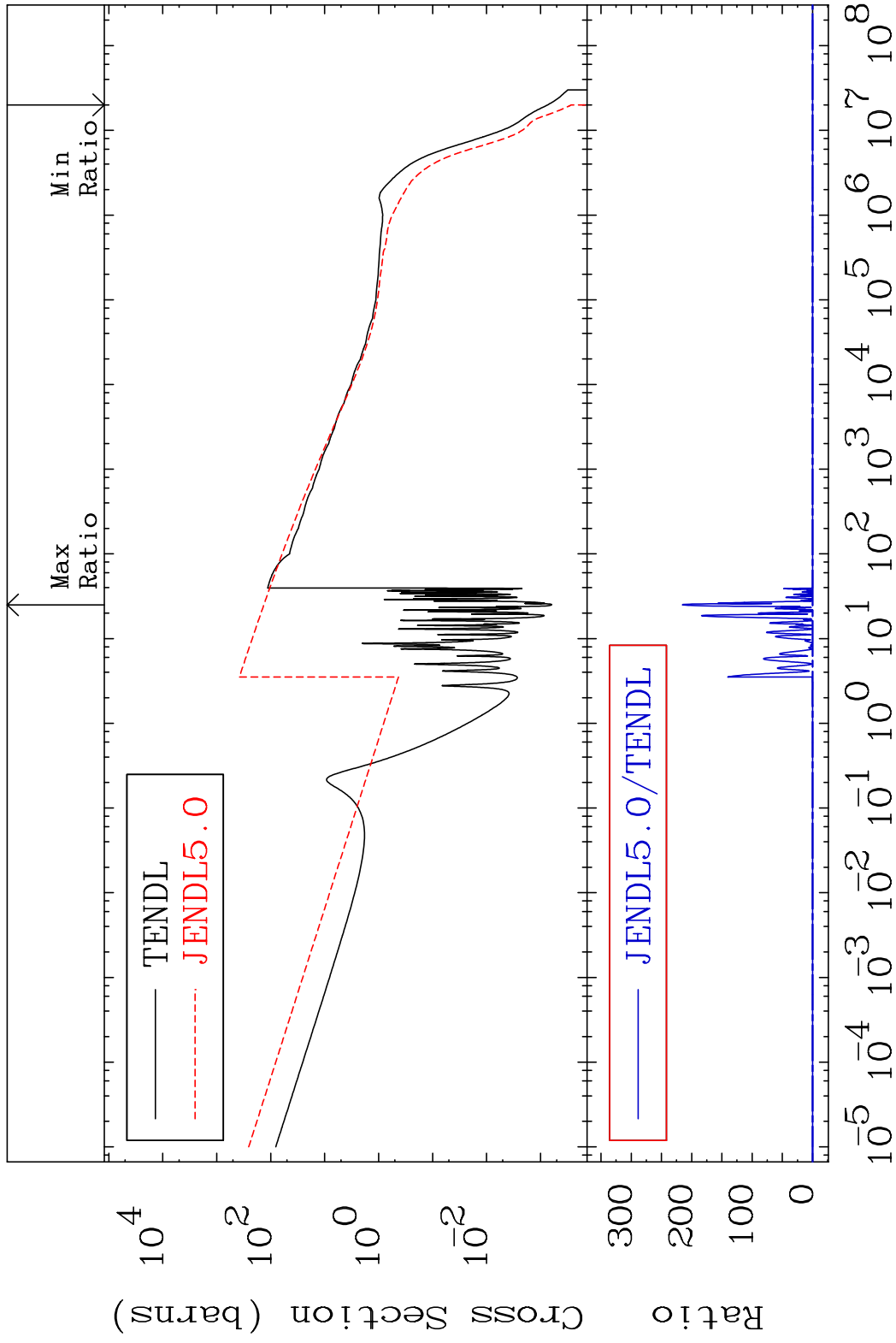
(n,n') Continuum
Cross Section -100.0 To 9999. %

80-Hg-195m



MAT 8023

(n, γ)
Cross Section -100.0 To 9999. %
80-Hg-195m



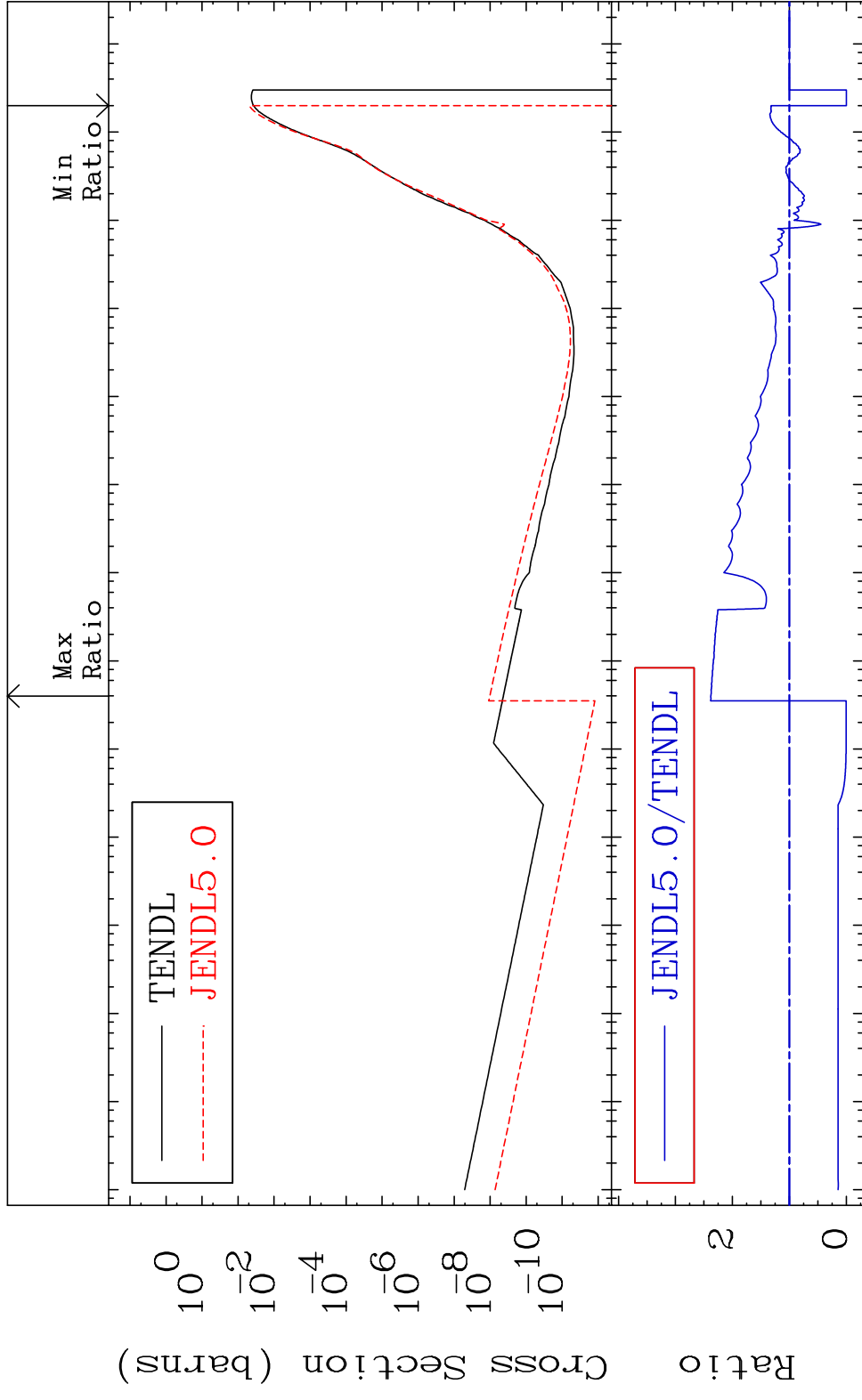
25

Incident Energy (eV)

80-Hg-195m

MAT 8023

(n, p)
Cross Section -100.0 To 138.1 %
80-Hg-195m



26

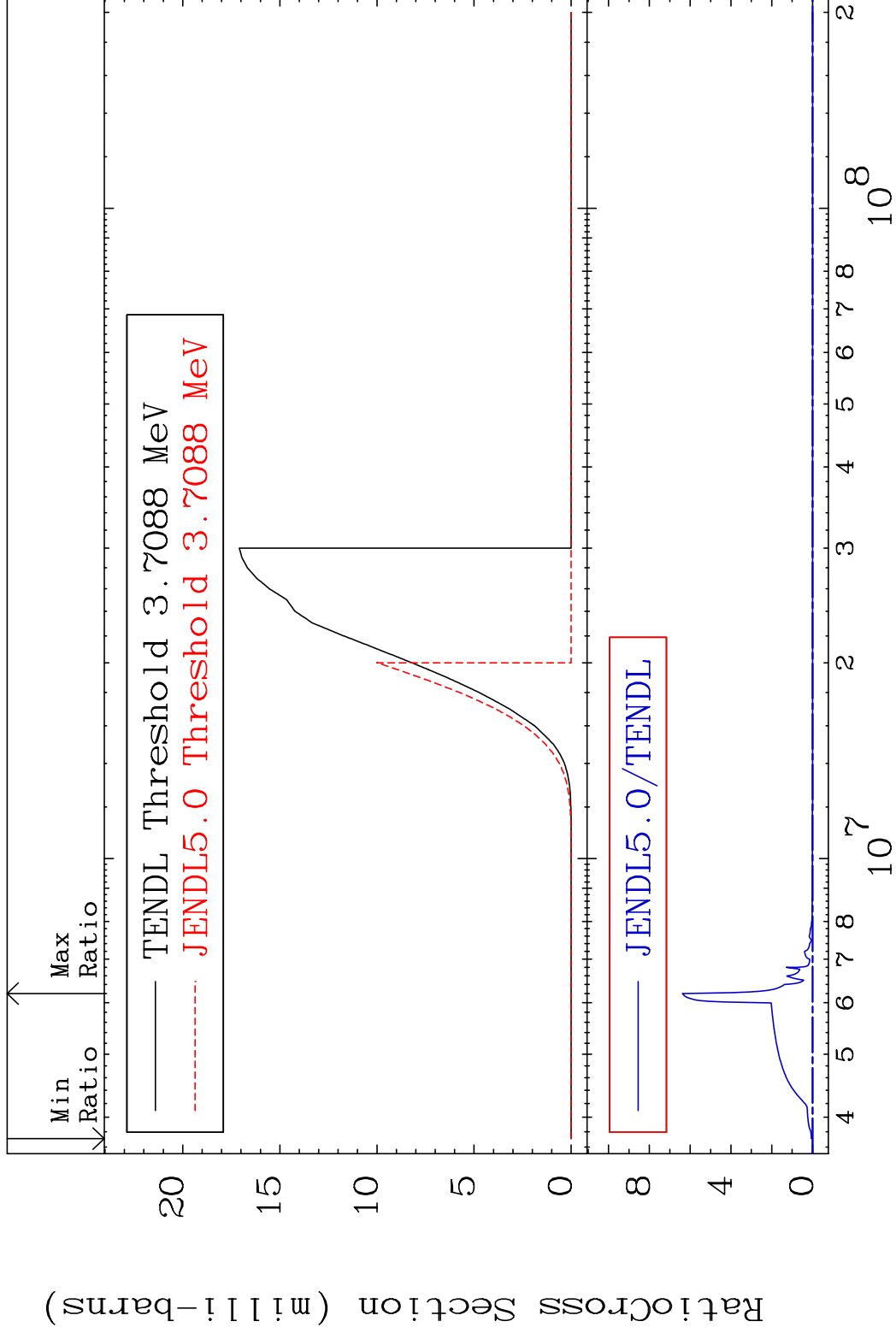
Incident Energy (eV) 80-Hg-195m

MAT 8023

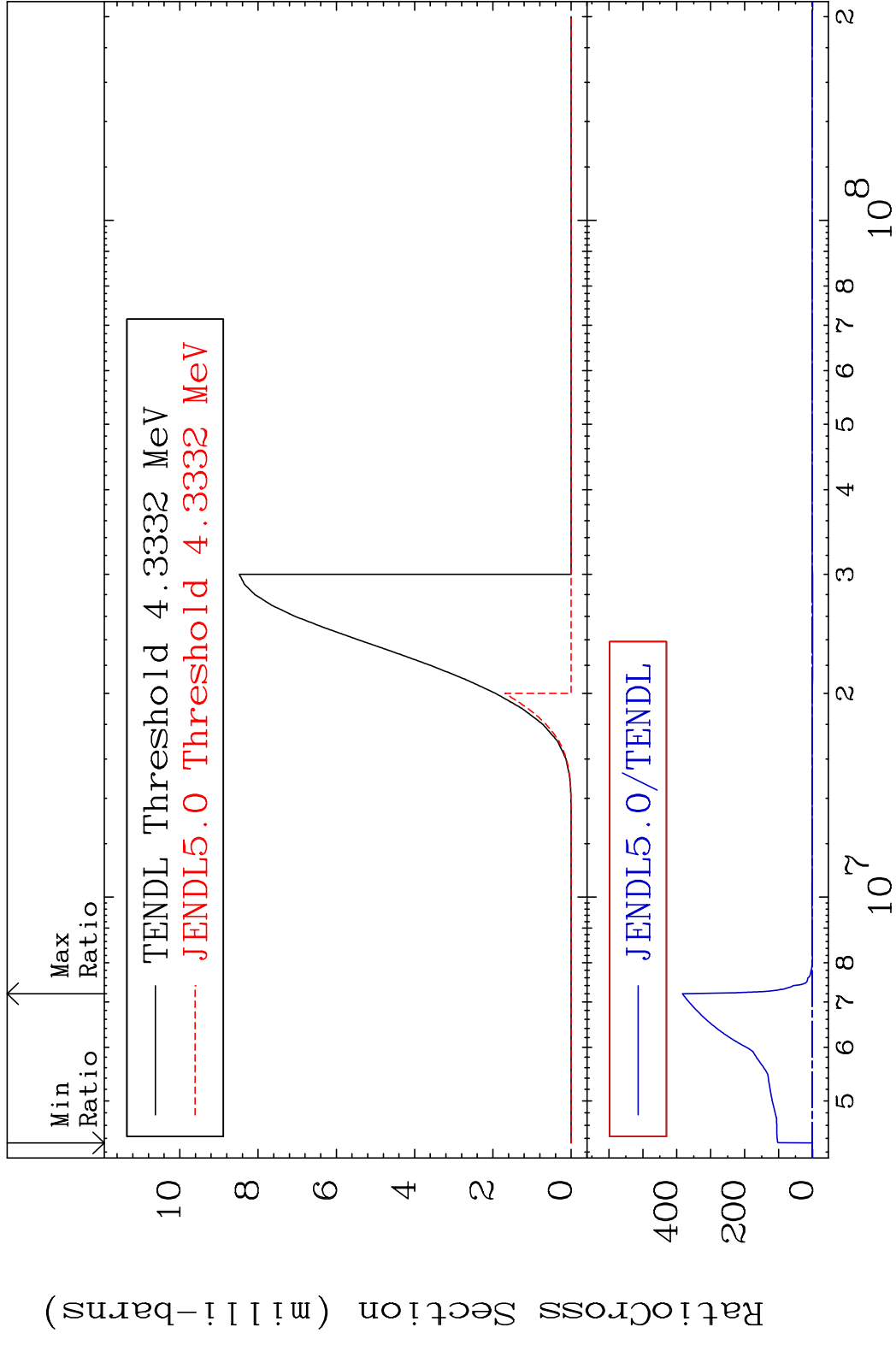
(n, d)

80-Hg-195m

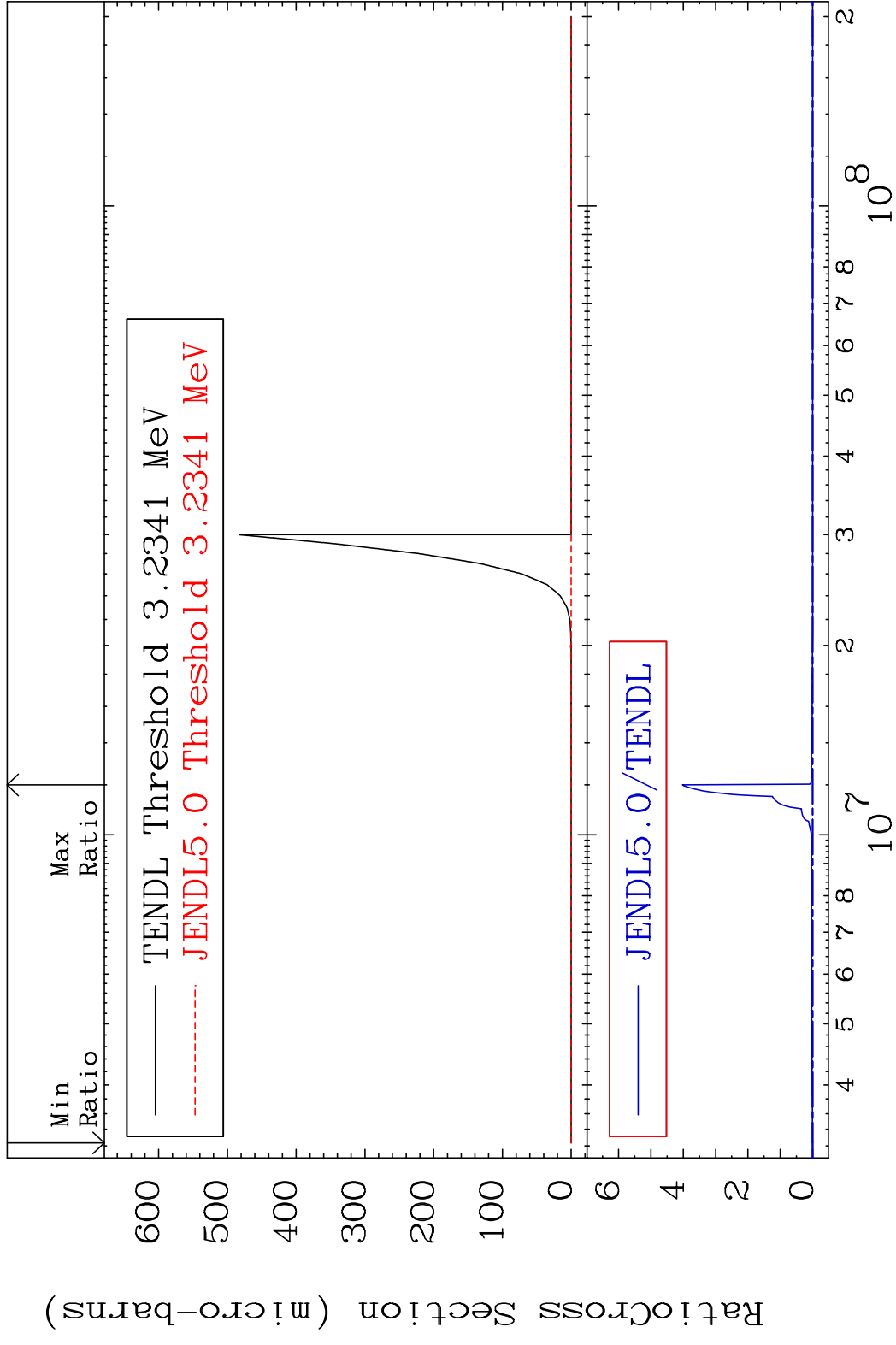
Cross Section -100.0 To 9999. %



MAT 8023 (n, t) 80-Hg-195m
 Cross Section -100.0 To 9999. %

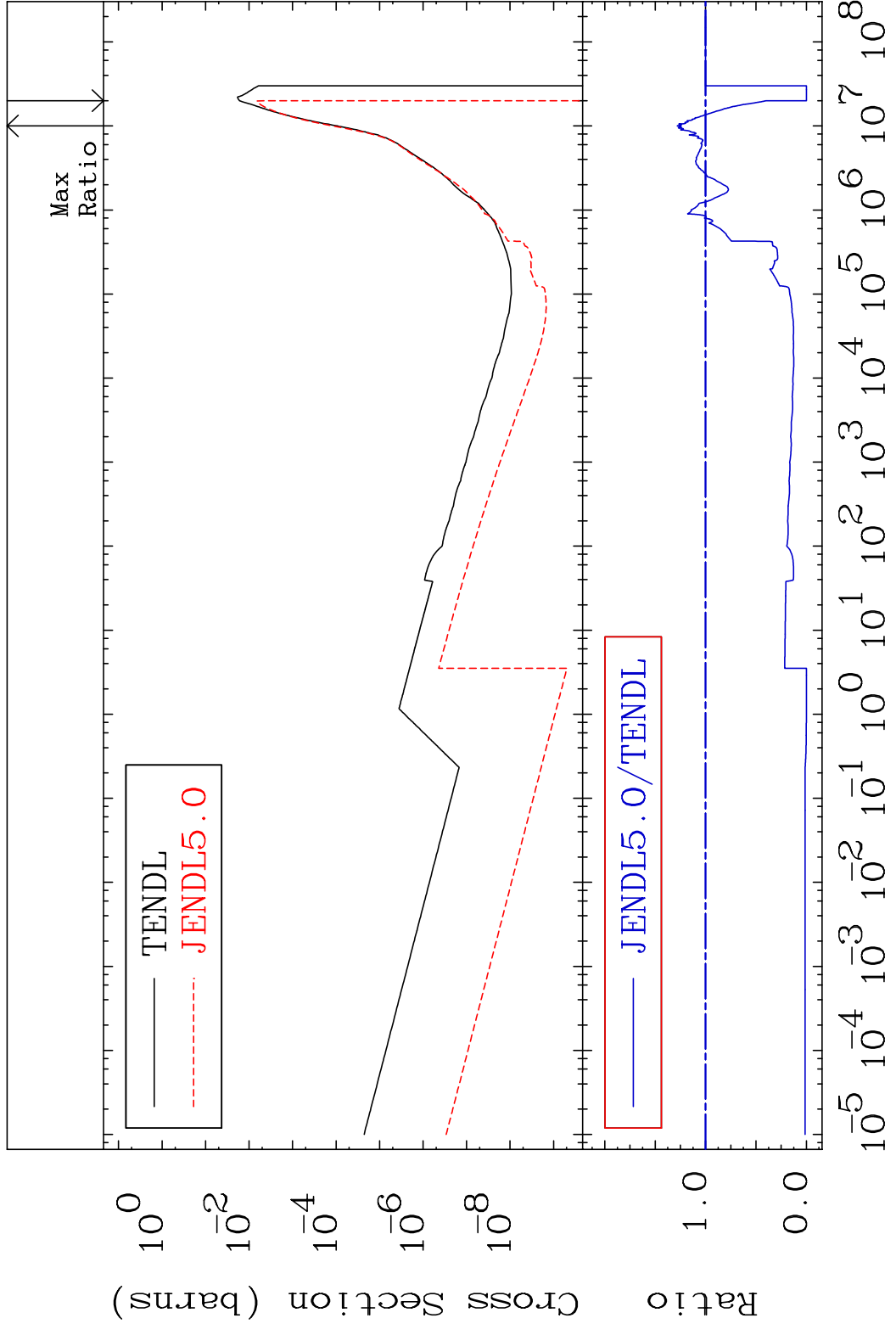


MAT 8023 (n, He-3) 80-Hg-195m
 Cross Section -100.0 To 9999. %



MAT 8023

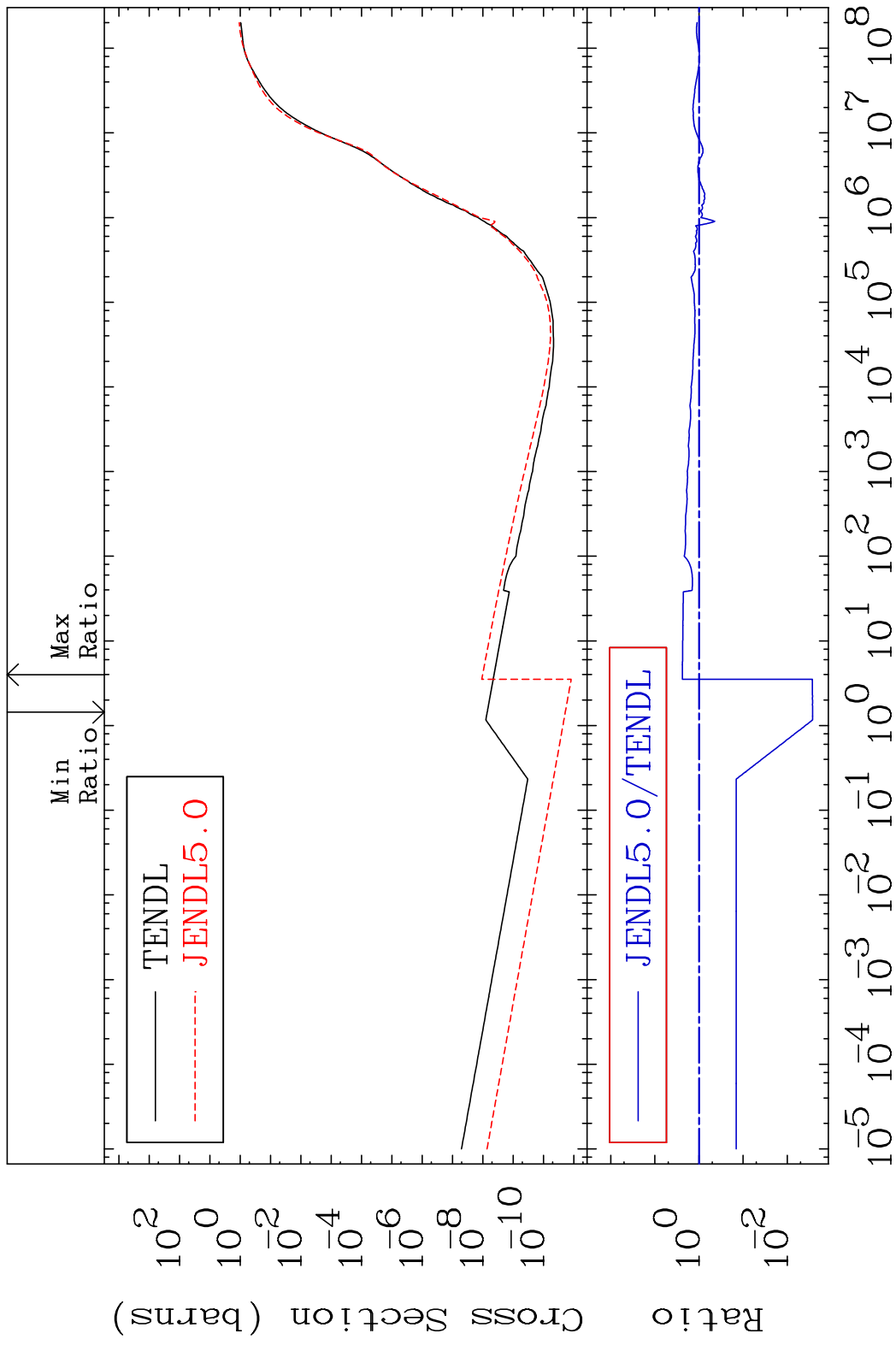
(n, α)
Cross Section -100.0 To 28.18 %
80-Hg-195m



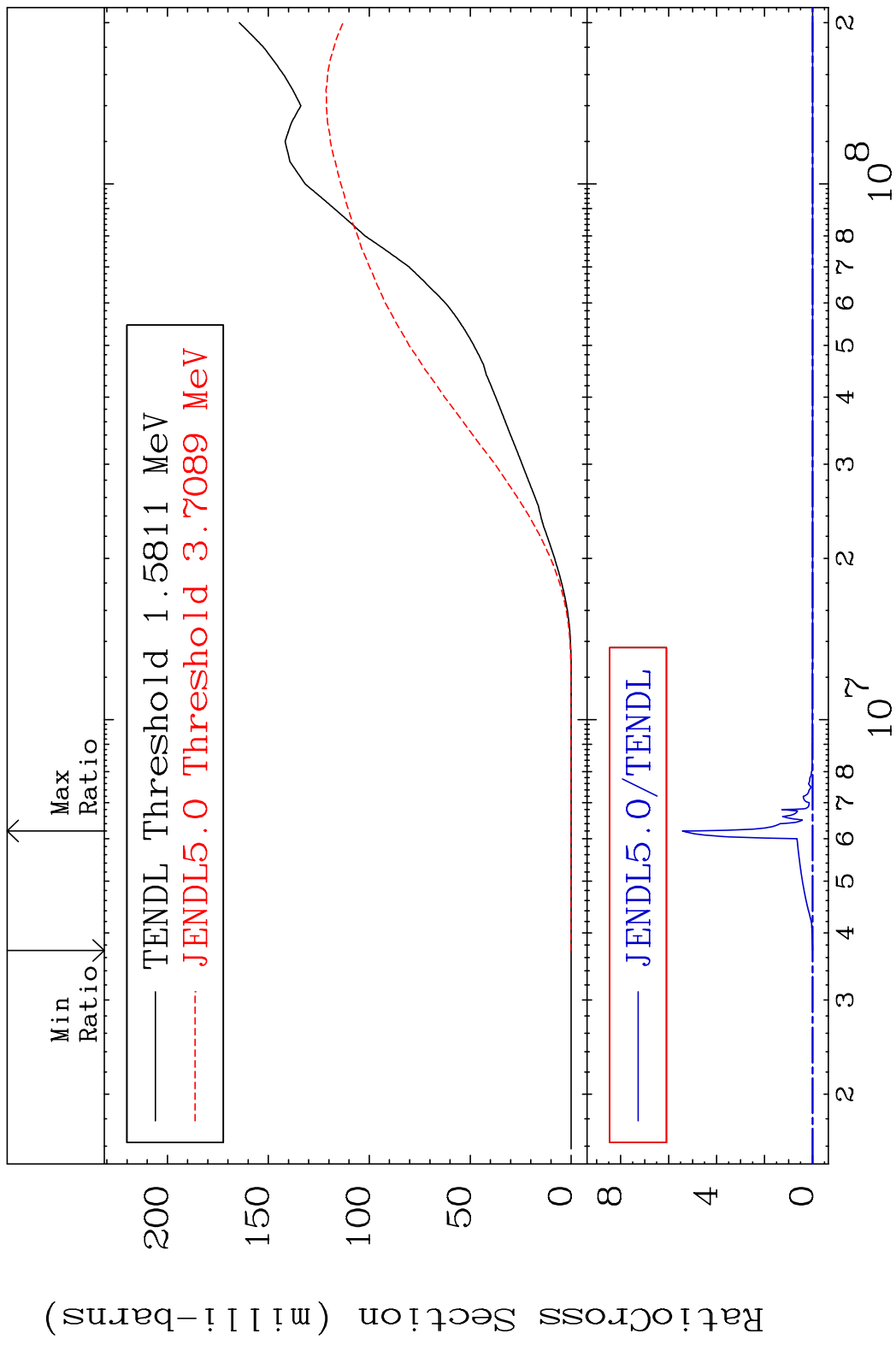
30

Incident Energy (eV) 80-Hg-195m

MAT 8023 Hydrogen Production 80-Hg-195m
 Cross Section -99.73 To 138.1 %

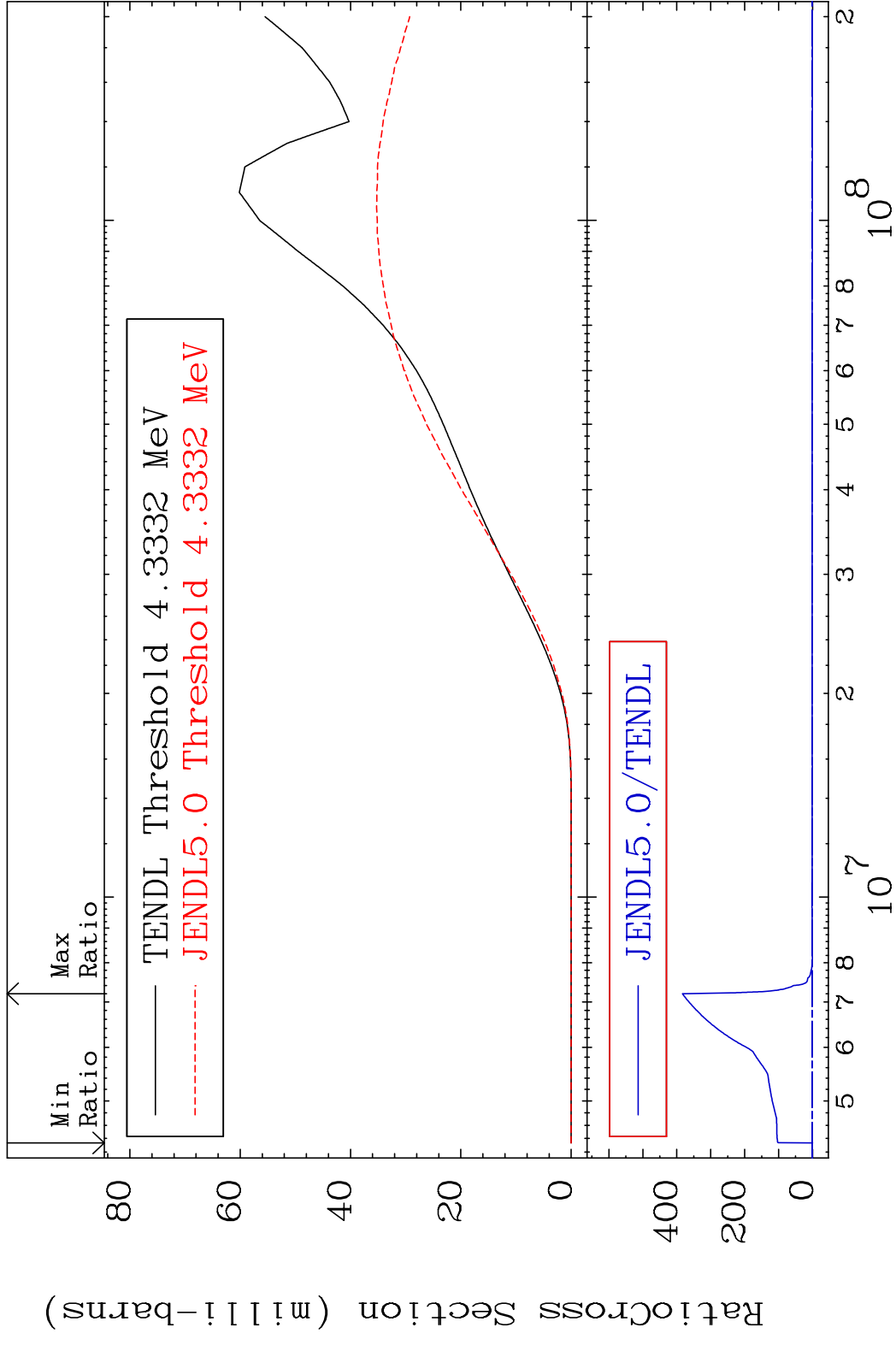


MAT 8023 Deuterium Production 80-Hg-195m
 Cross Section -100.0 To 9999. %

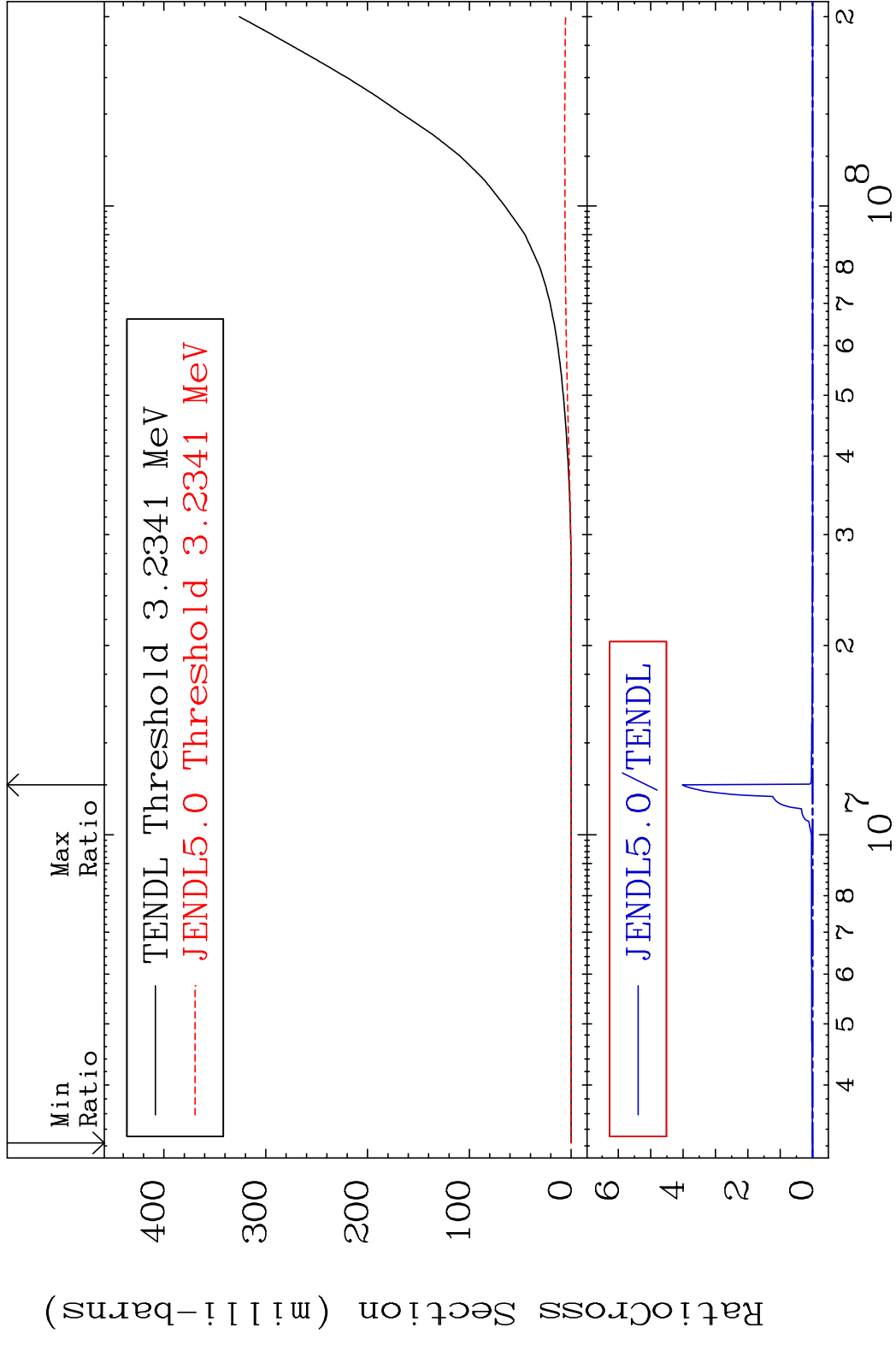


32 80-Hg-195m

MAT 8023 Tritium Production 80-Hg-195m
 Cross Section -100.0 To 9999. %

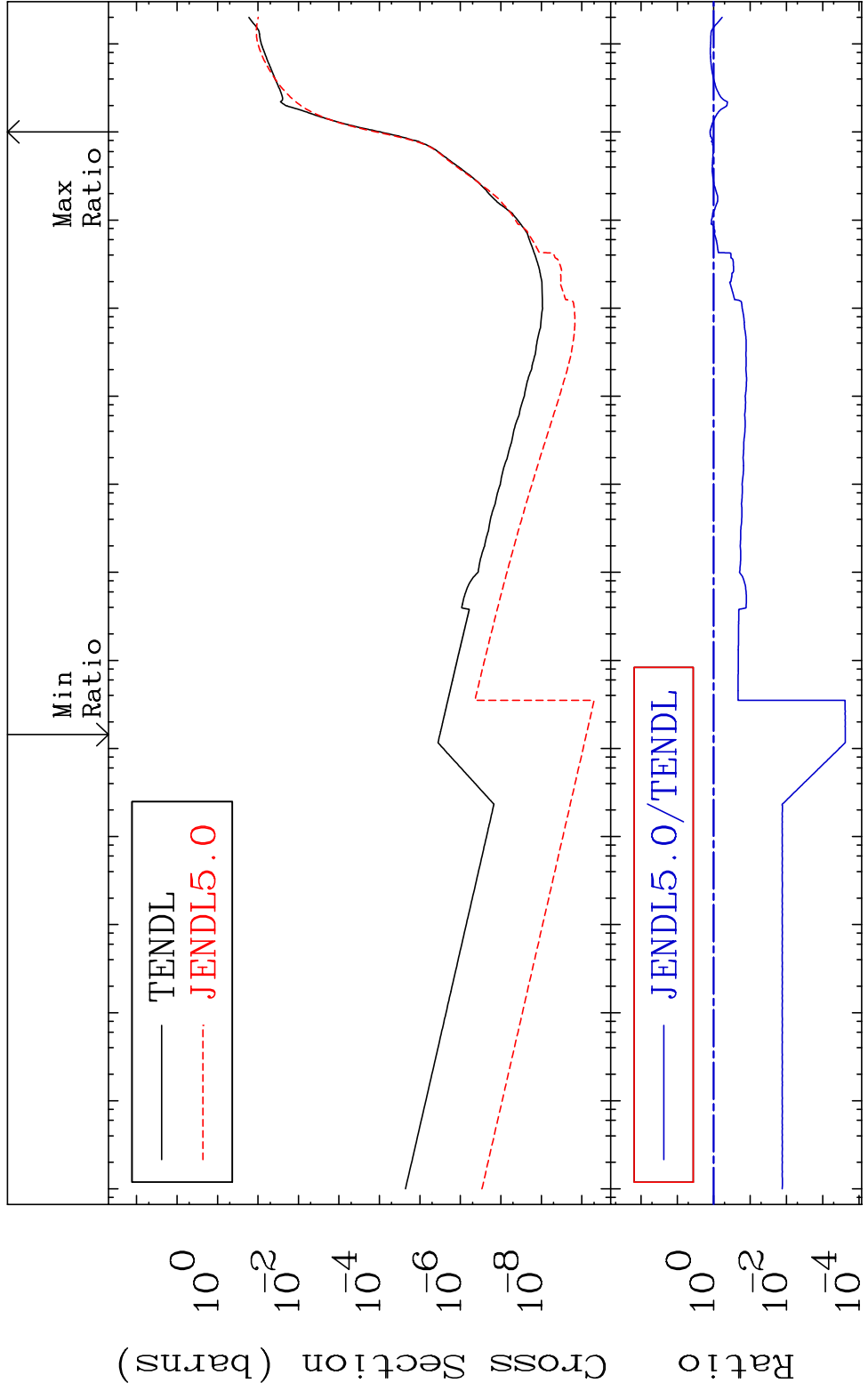


MAT 8023 He-3 Production 80-Hg-195m
 Cross Section -100.0 To 9999. %



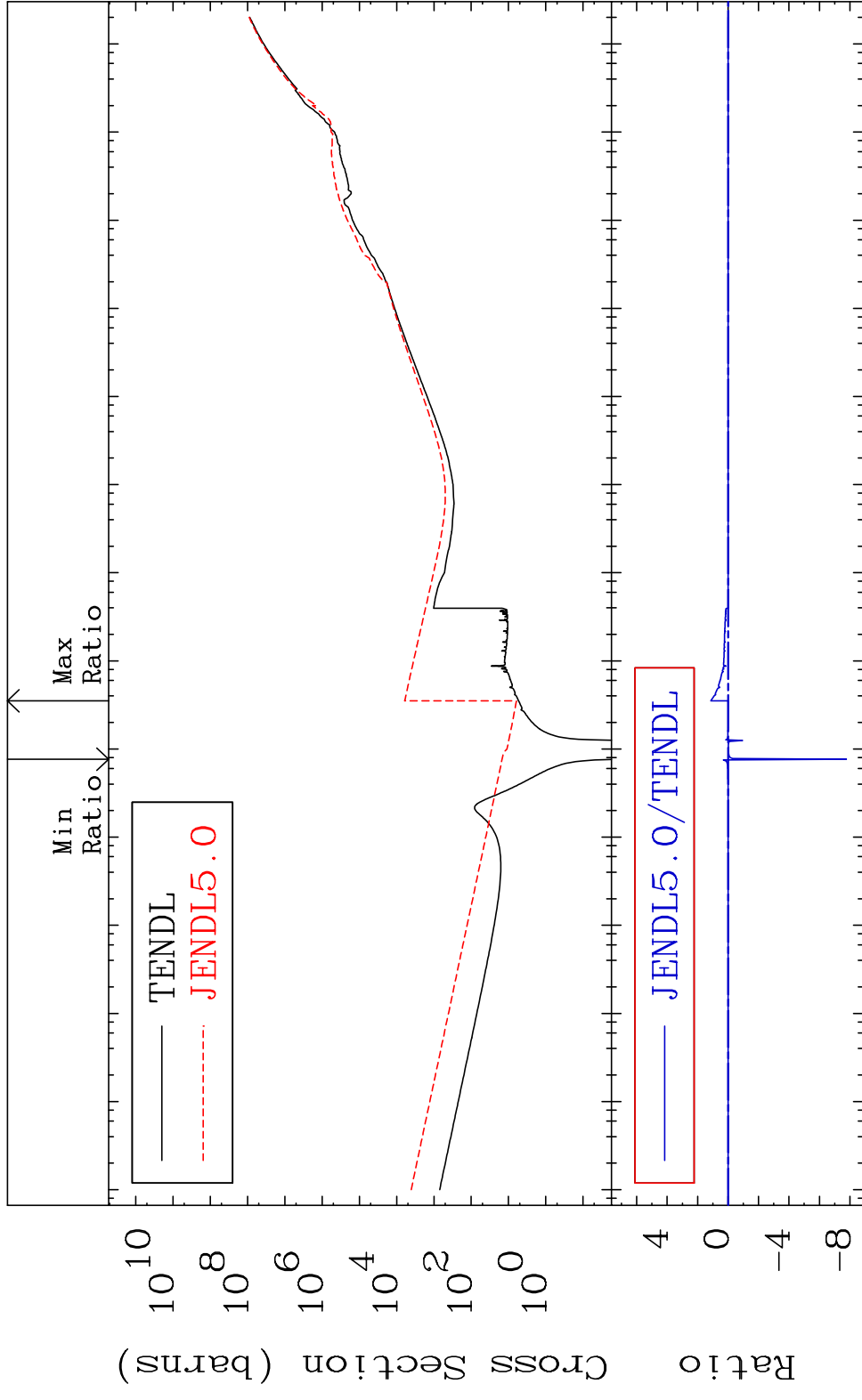
34 Incident Energy (eV) 80-Hg-195m

MAT 8023 He-4 Production 80-Hg-195m
 Cross Section -99.98 To 28.11 %



35 Incident Energy (eV) 80-Hg-195m

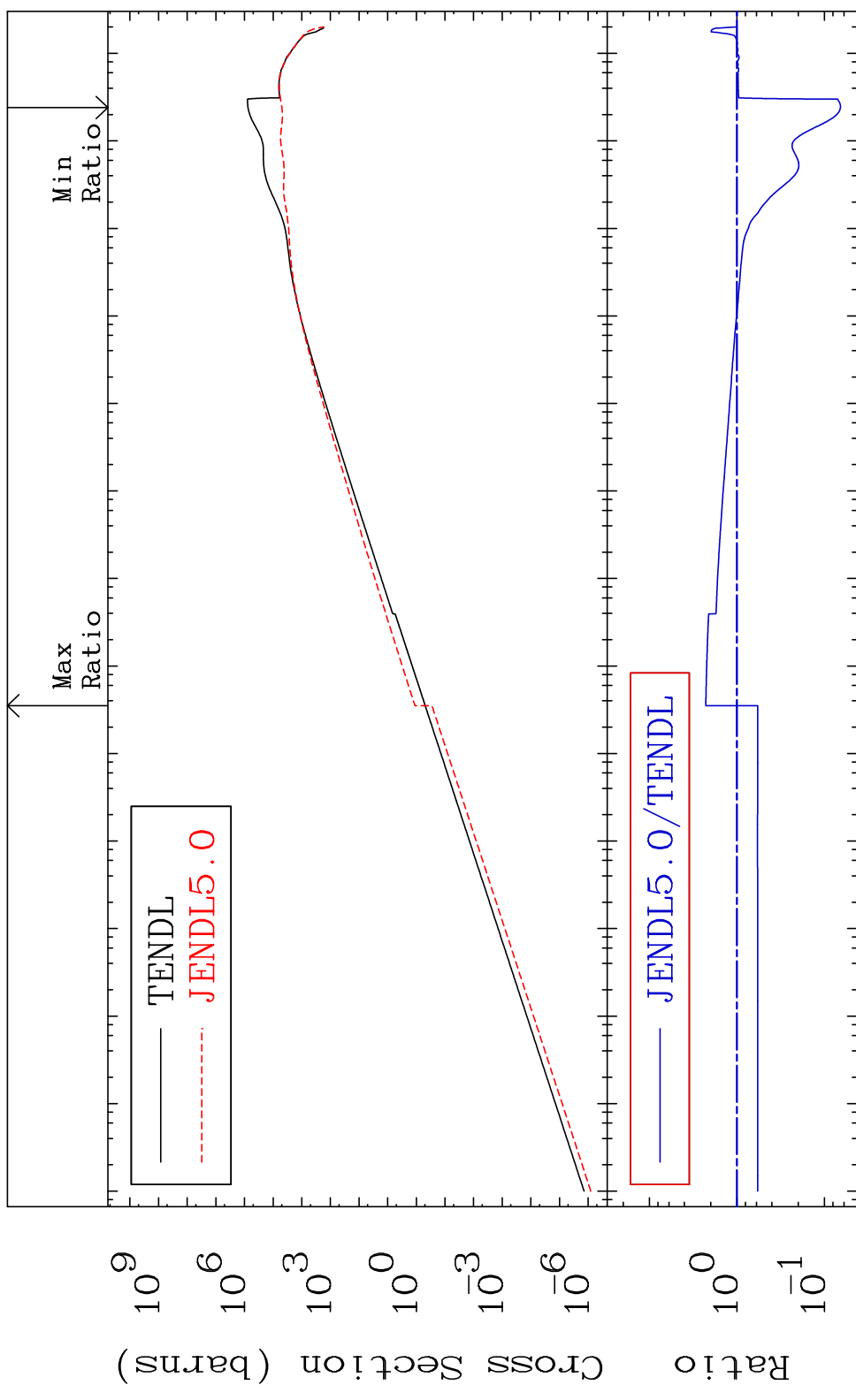
MAT 8023 Kerma total (eV-barns) 80-Hg-195m
 Cross Section -9999. To 9999. %



36 Incident Energy (eV) 80-Hg-195m

MAT 8023

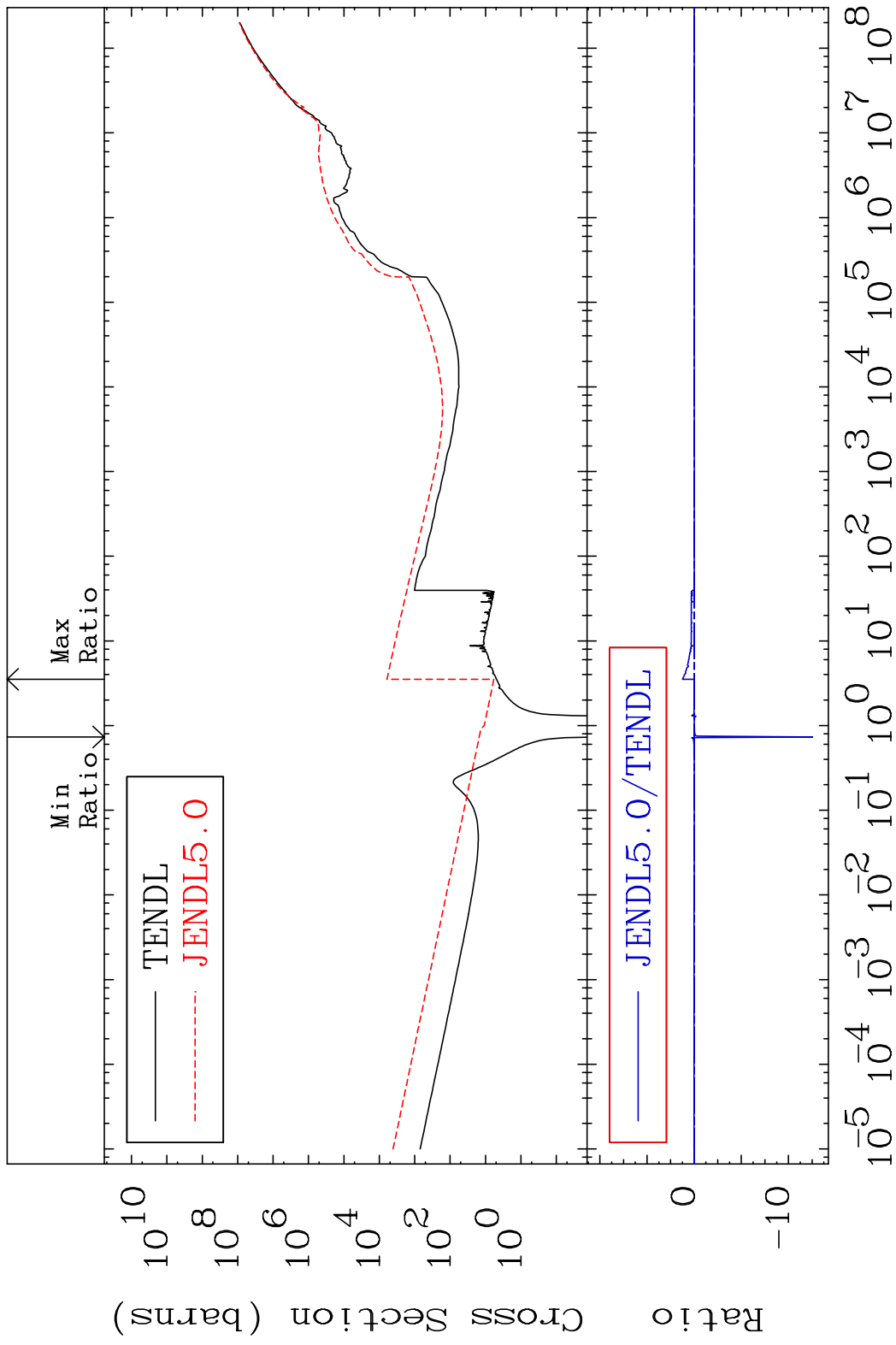
Kerma elastic Cross Section -93.41 %
80-Hg-195m To 127.7 %



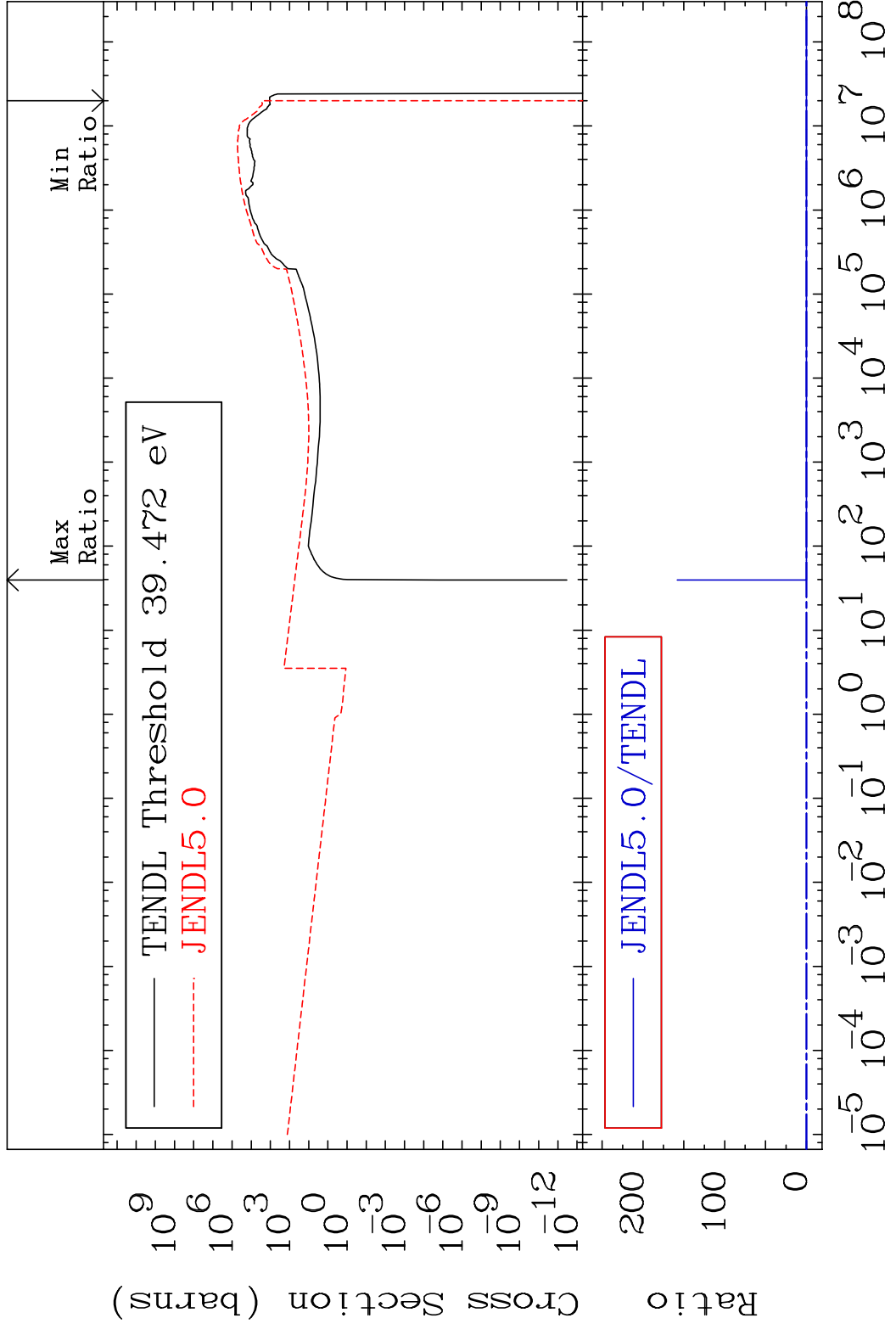
37

Incident Energy (eV) 80-Hg-195m

MAT 8023 Kerma non-elastic (all but mt2) 80-Hg-195m
 Cross Section -9999. To 9999. %

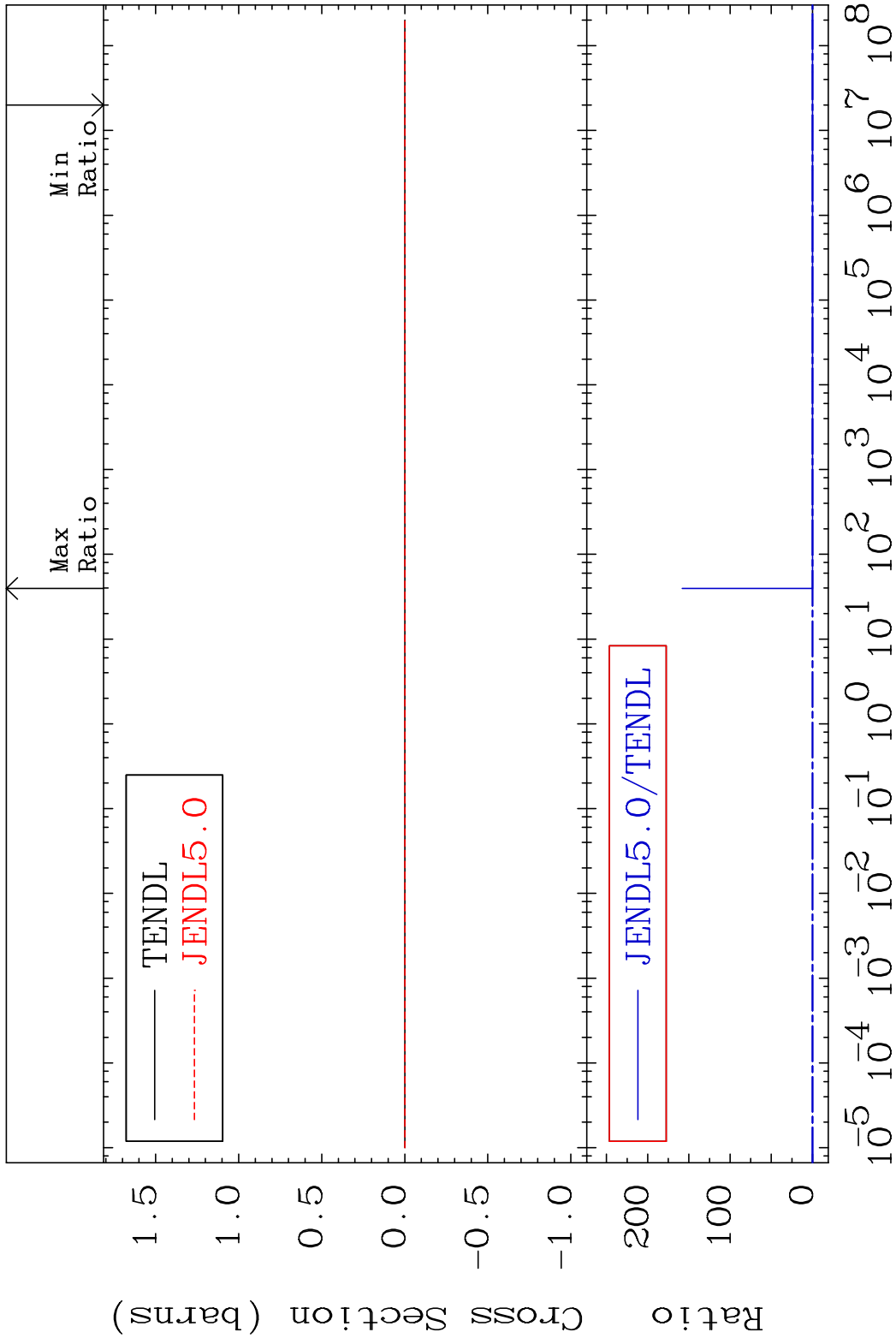


MAT 8023 Kerma inelastic (mt51-91) 80-Hg-195m
 Cross Section -100.0 To 9999. %



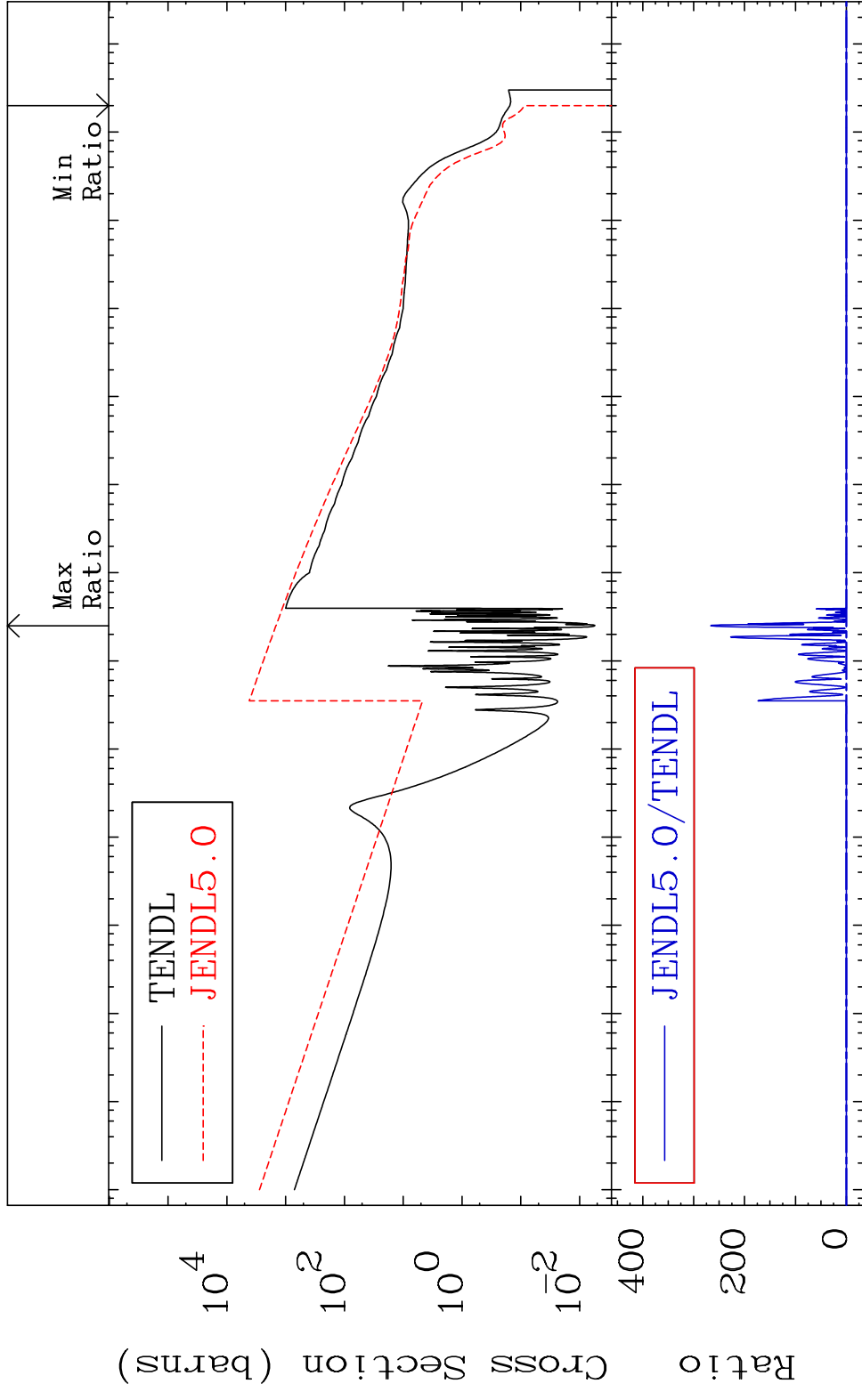
39 Incident Energy (eV) 80-Hg-195m

MAT 8023 Kerma fission (mt18 or mt19-20-21-380)-Hg-195m
 Cross Section -100.0 To 9999. %



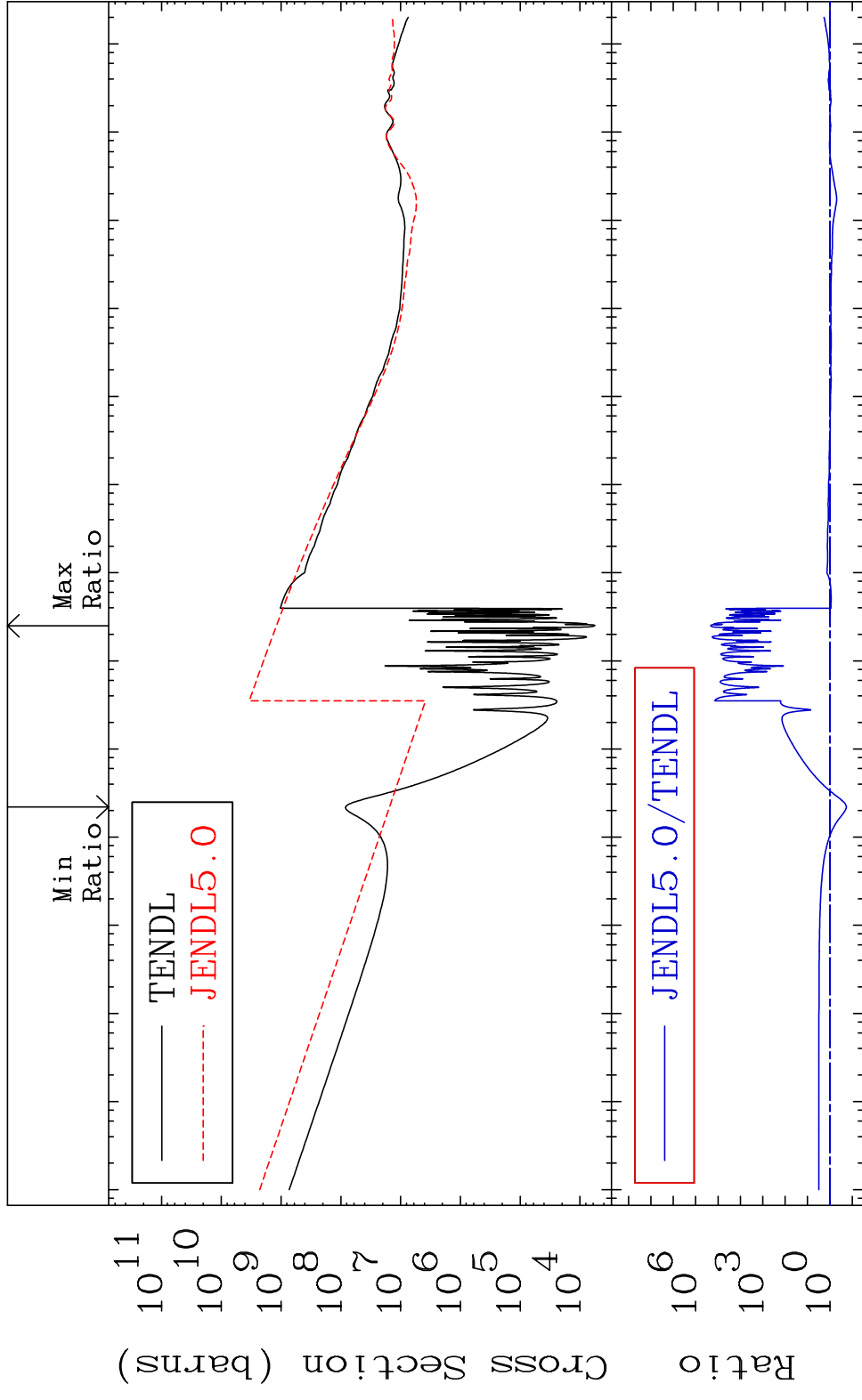
40 Incident Energy (eV) 80-Hg-195m

MAT 8023 Kerma capture (mt102) 80-Hg-195m
Cross Section -100.0 To 9999. %



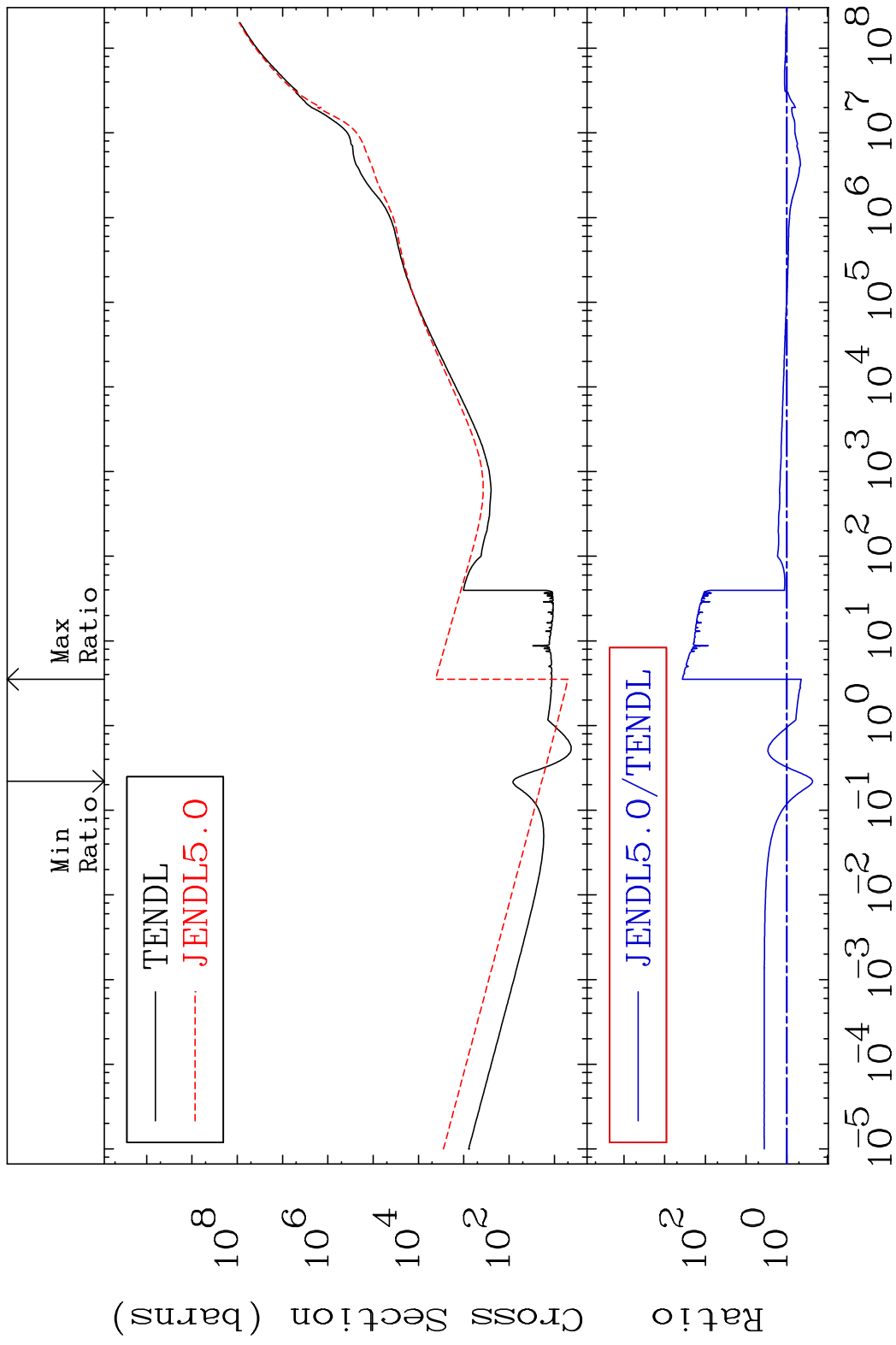
41 Incident Energy (eV) 80-Hg-195m

MAT 8023 Total photon (eV-barns) 80-Hg-195m
 Cross Section -81.54 To 9999. %



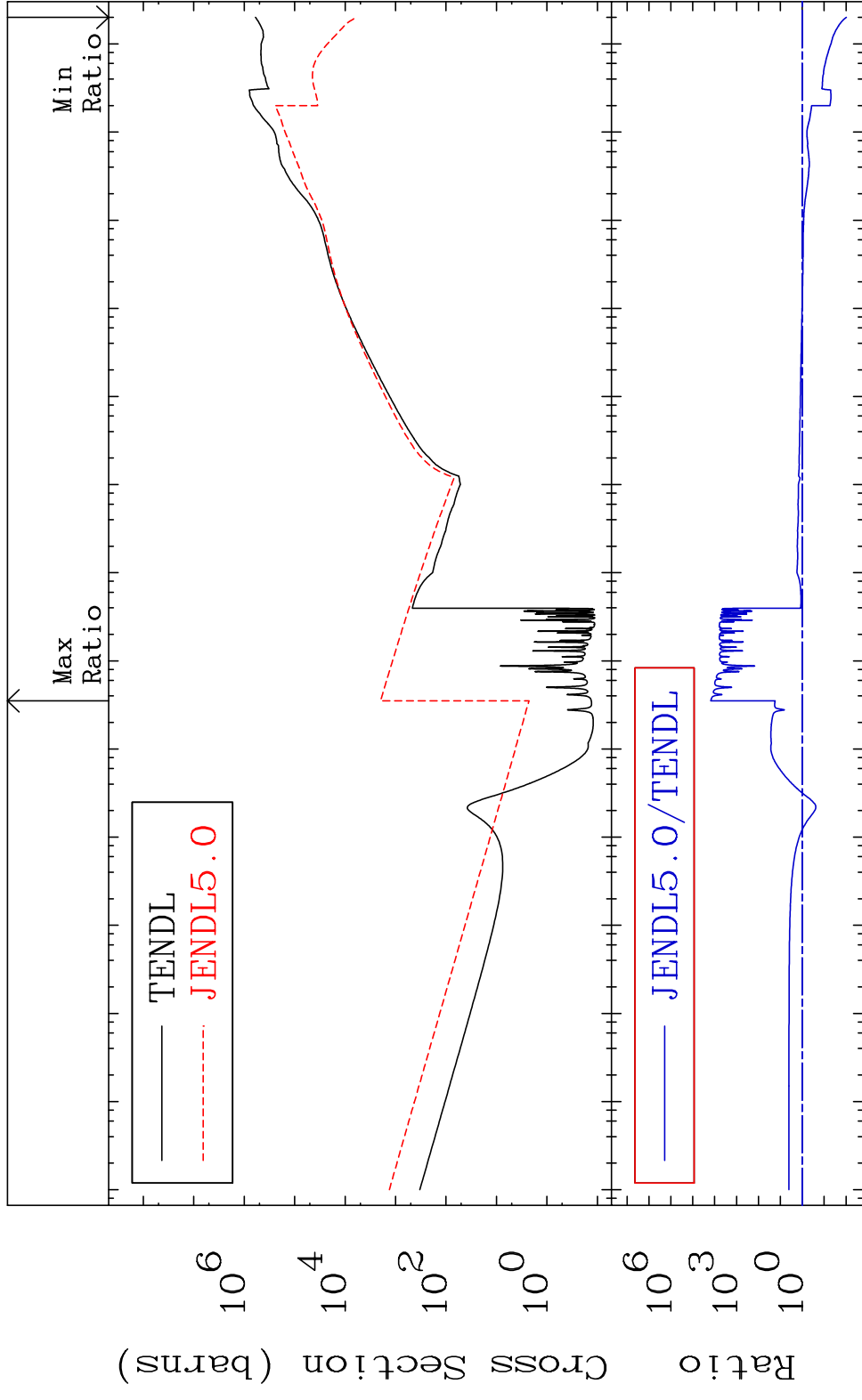
42 Incident Energy (eV) 80-Hg-195m

MAT 8023 Total kinematic kerma (high limit)80-Hg-195m
 Cross Section -76.79 To 9999. %



43 Incident Energy (eV) 80-Hg-195m

MAT 8023 Dpa total (eV-barns) 80-Hg-195m
 Cross Section -99.03 To 9999. %



Ratio
 10⁶
 10⁴
 10²
 10⁰
 10⁻²
 10⁻⁴
 10⁻⁶
 10⁻⁸

44 Incident Energy (eV) 80-Hg-195m

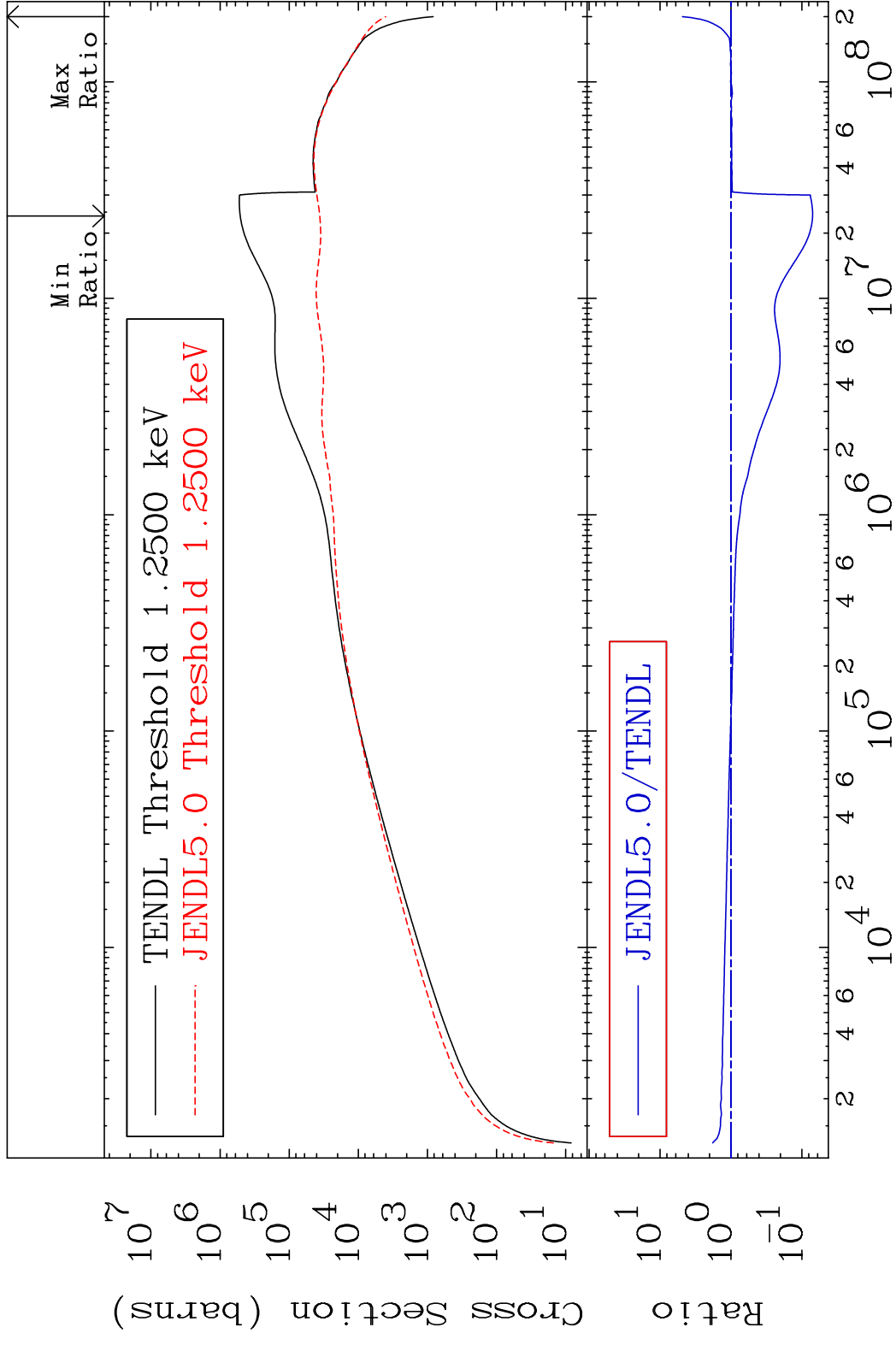
MAT 8023

Dpa elastic (mt2)

80-Hg-195m

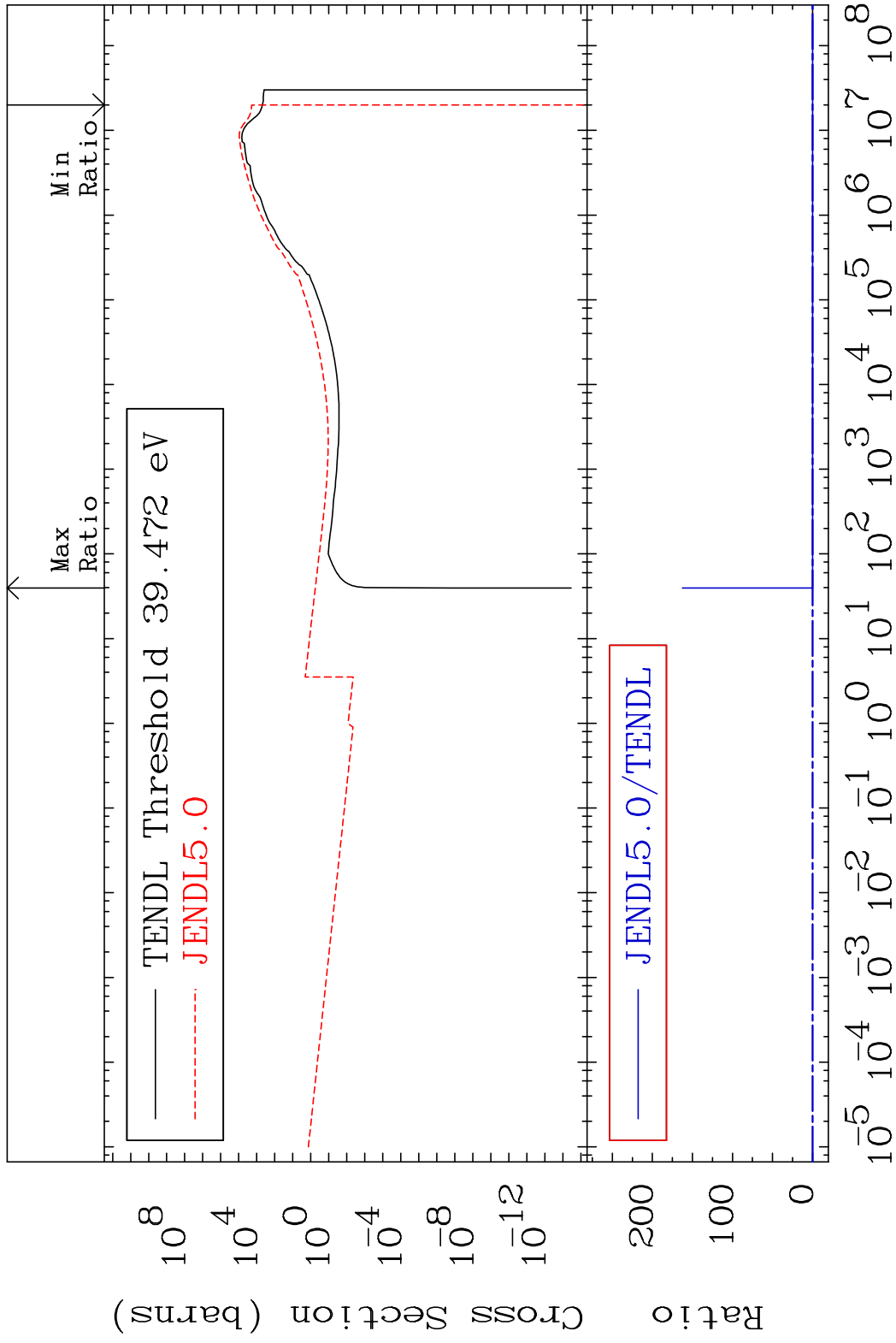
Cross Section

-92.95 To 384.1 %



MAT 8023

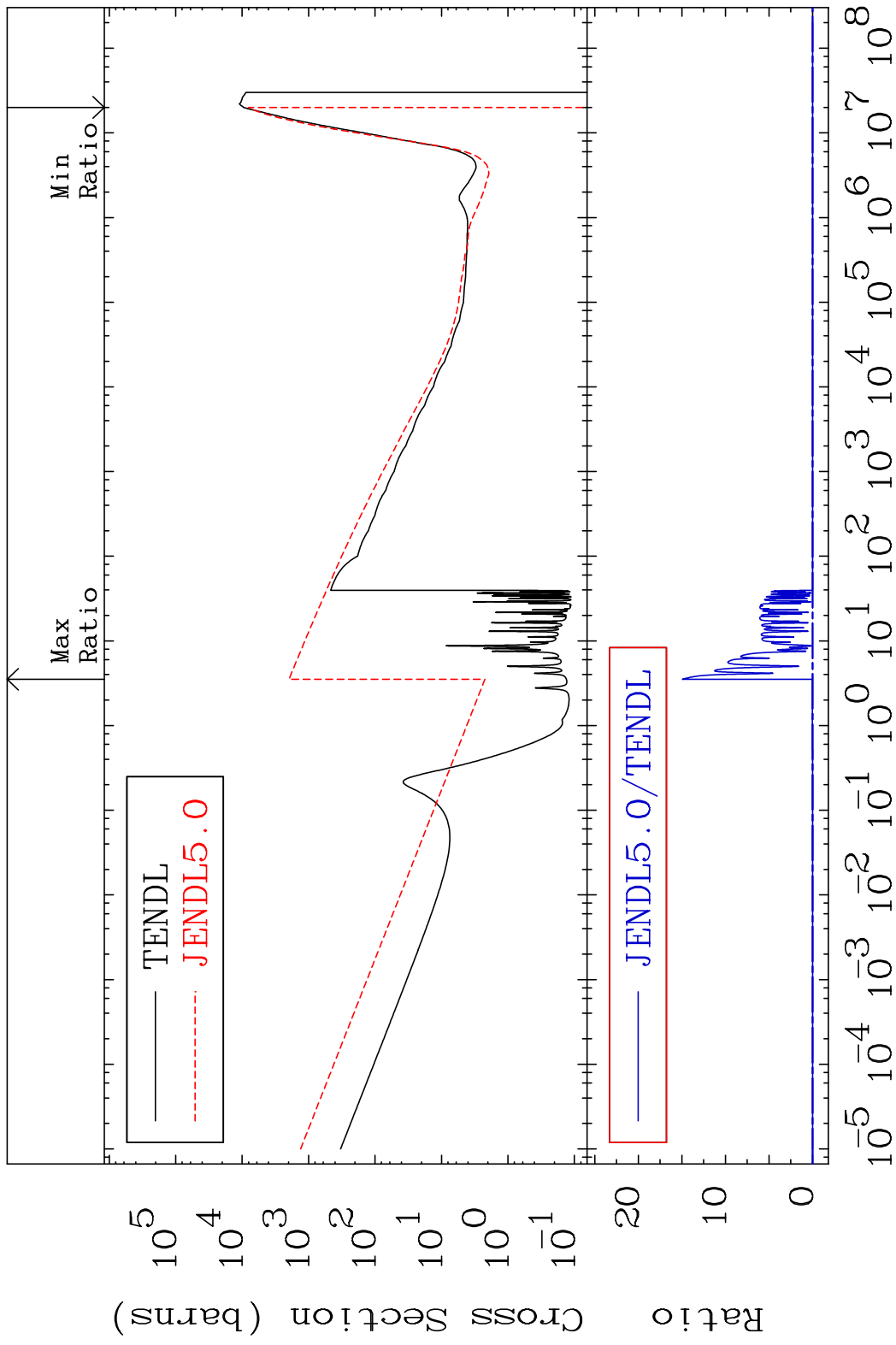
Dpa inelastic (mt51-91) 80-Hg-195m
Cross Section -100.0 To 9999. %



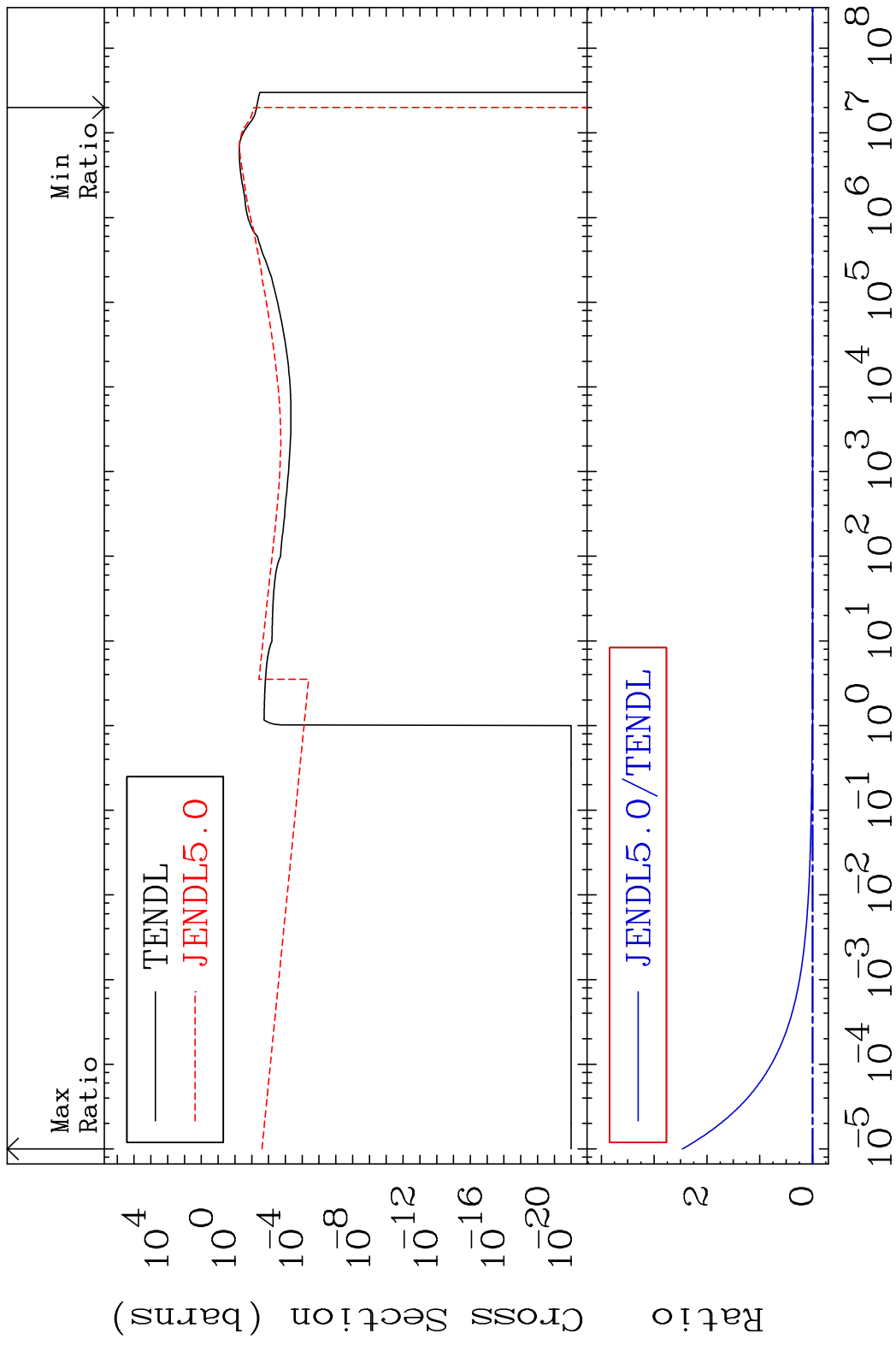
46

Incident Energy (eV) 80-Hg-195m

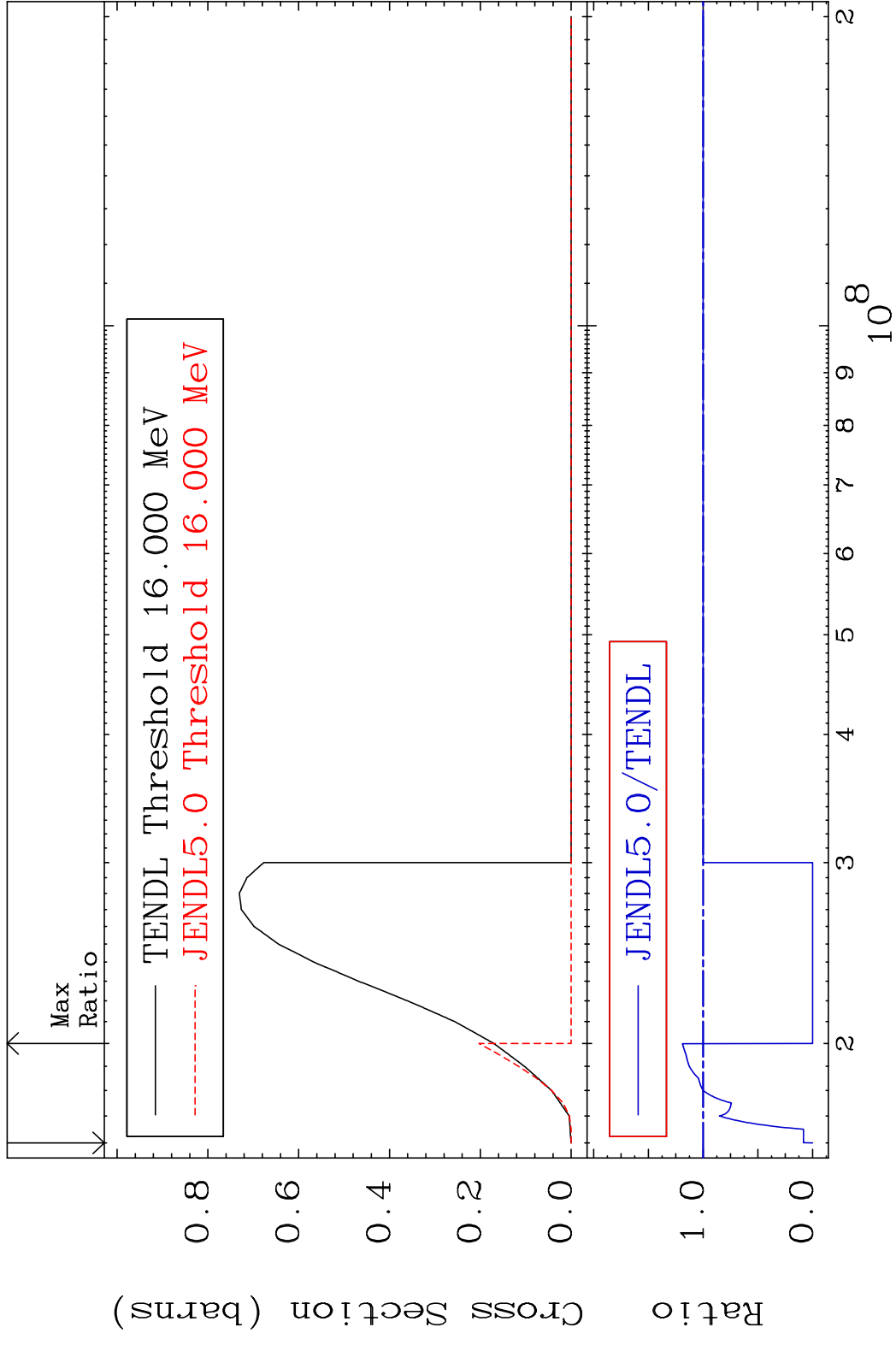
MAT 8023 Dpa disappearance (mt102 -120) 80-Hg-195m
 Cross Section -100.0 To 9999. %



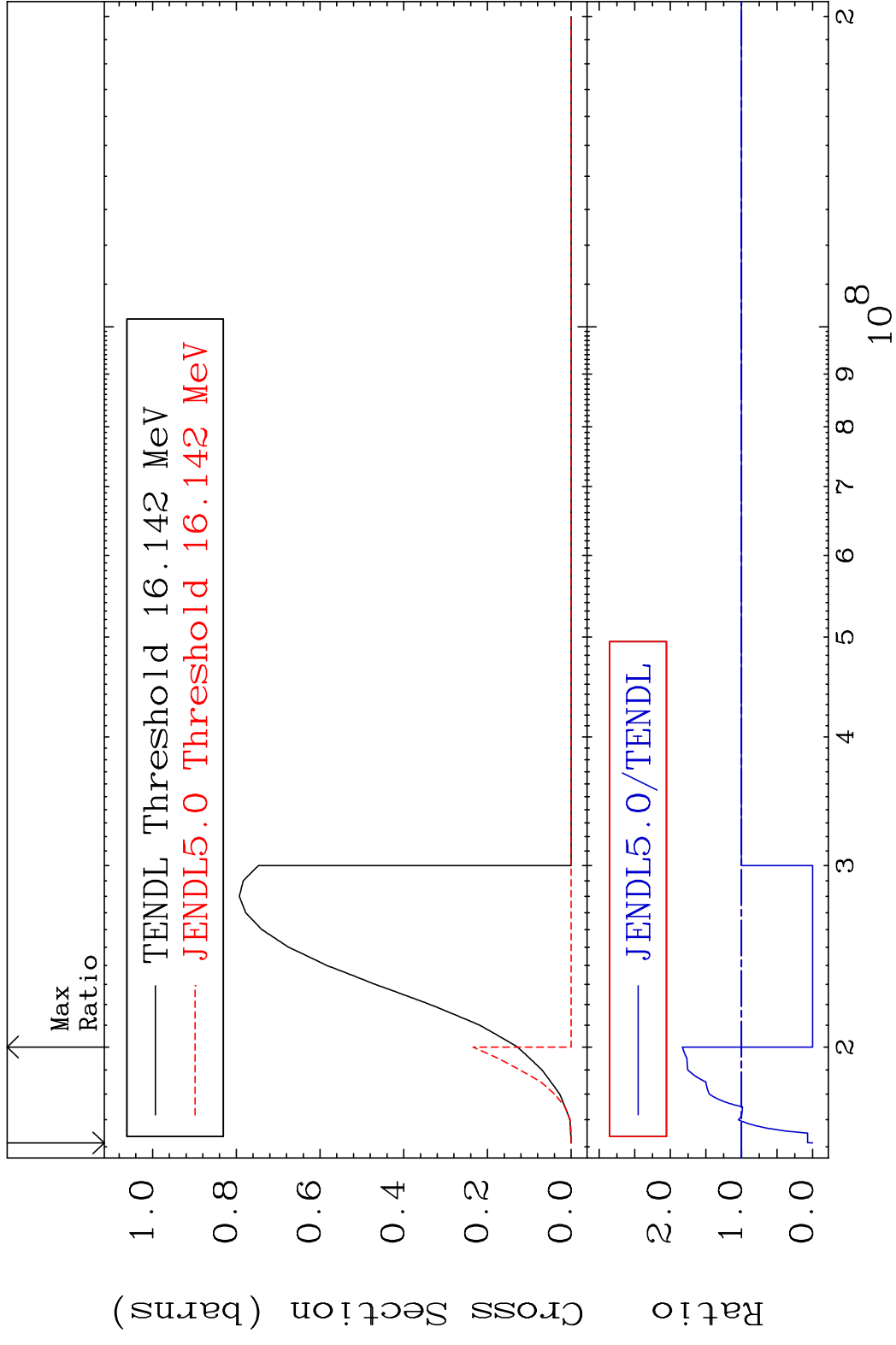
MAT 8023 Inelastic:80-Hg-195g 80-Hg-195m
 Radionuclide Production Cross Section to 9999. %



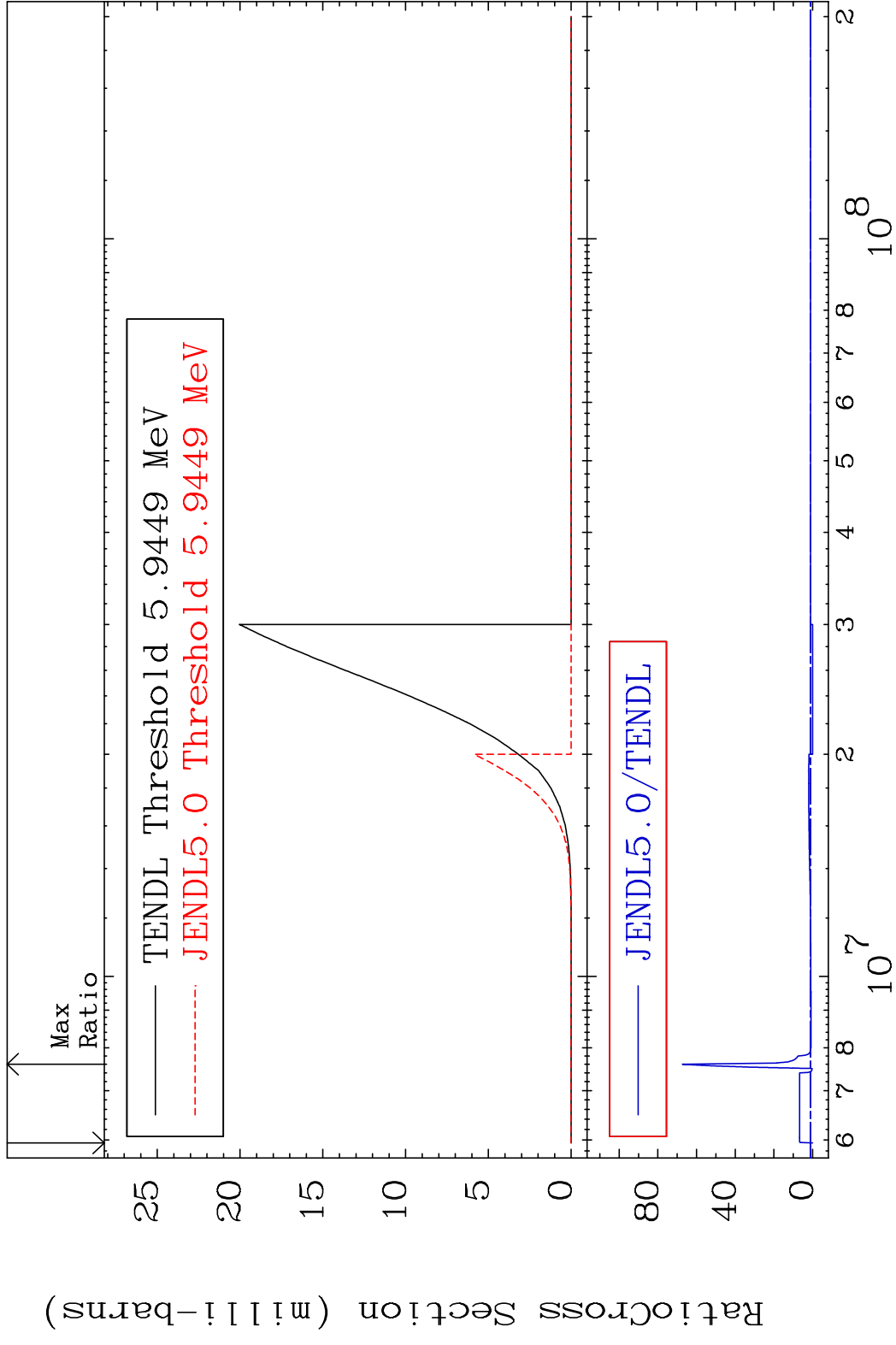
MAT 8023 (n,3n):80-Hg-193g 80-Hg-195m
 Radionuclide Production Cross Section 19.01 %



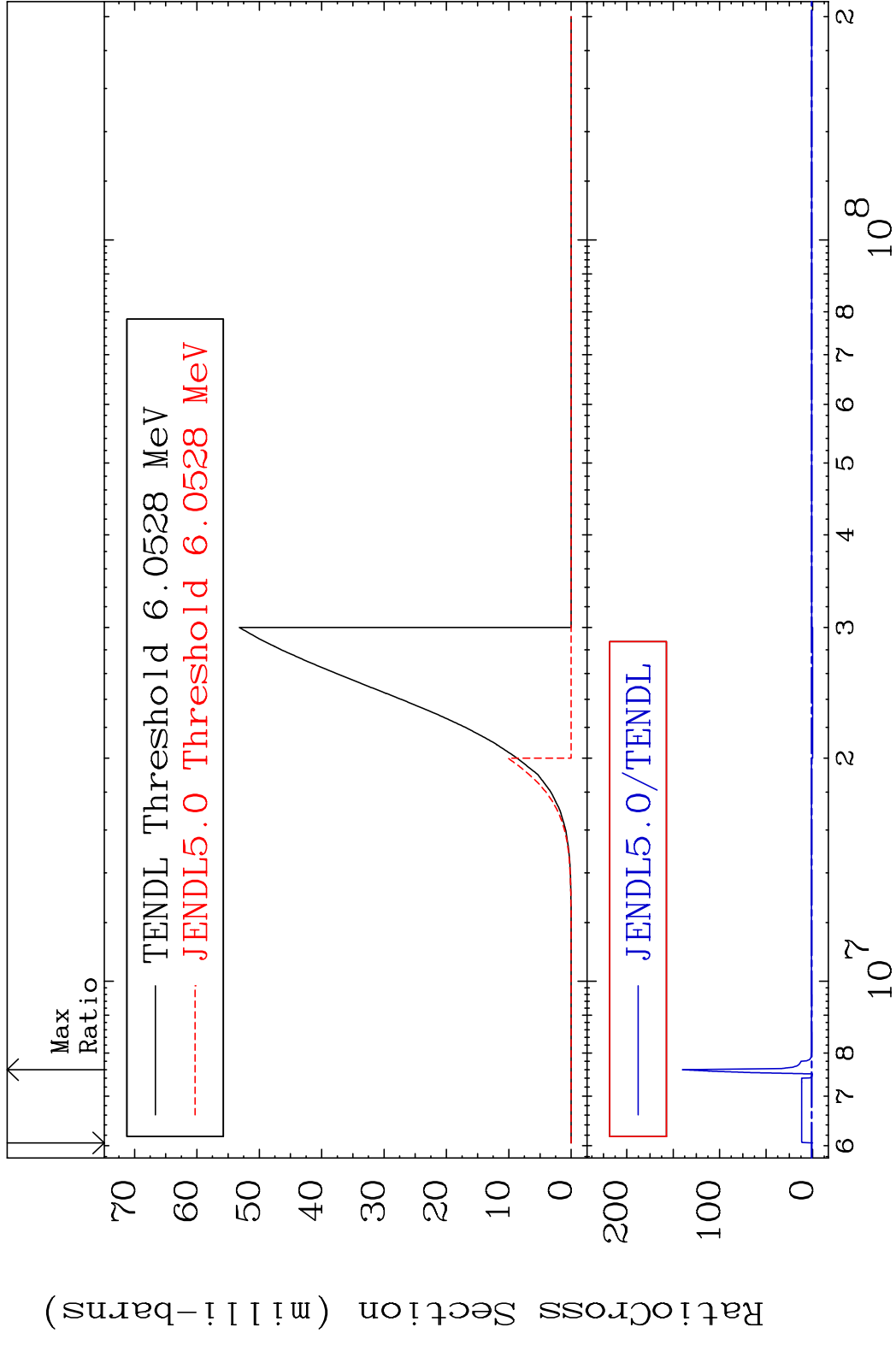
MAT 8023 (n, 3n):80-Hg-193m3 80-Hg-195m
 Radionuclide Production Cross Section to 82.99 %



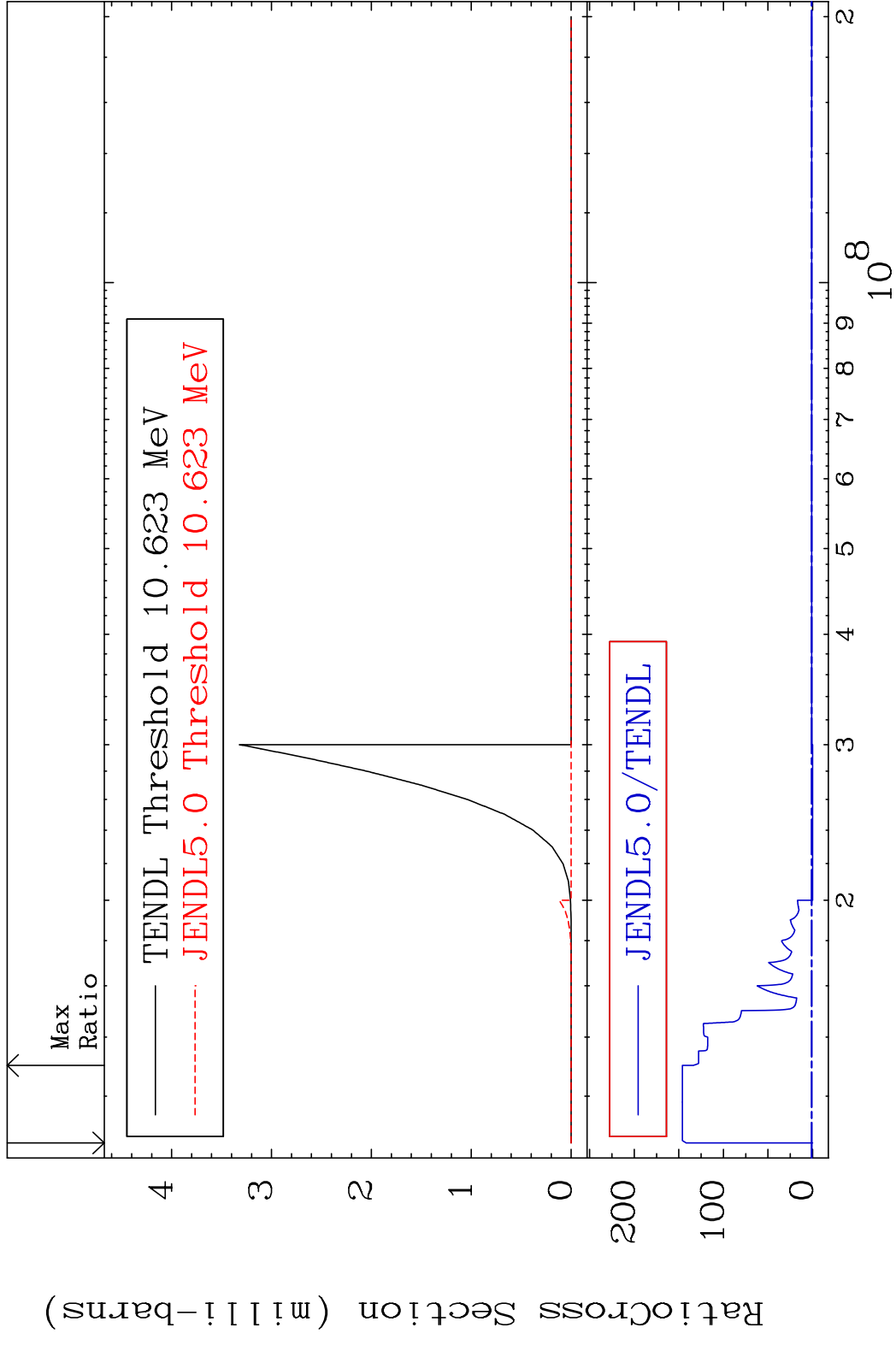
MAT 8023 (n, n') p:79-Au-194g 80-Hg-195m
 Radionuclide Production Cross Section to 6633. %



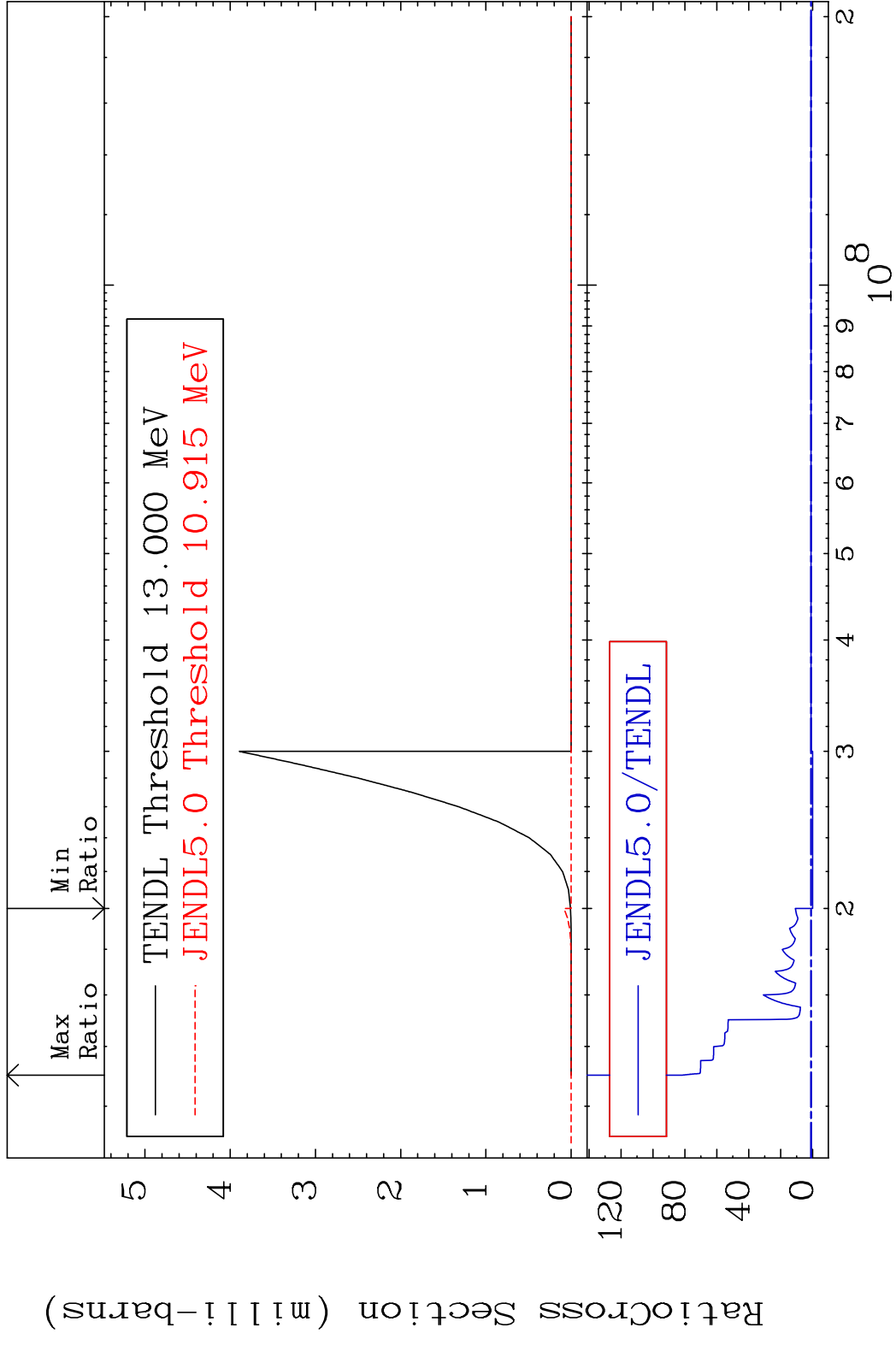
MAT 8023 (n, n') p:79-Au-194m3 80-Hg-195m
 Radionuclide Production Cross Section to 9999. %



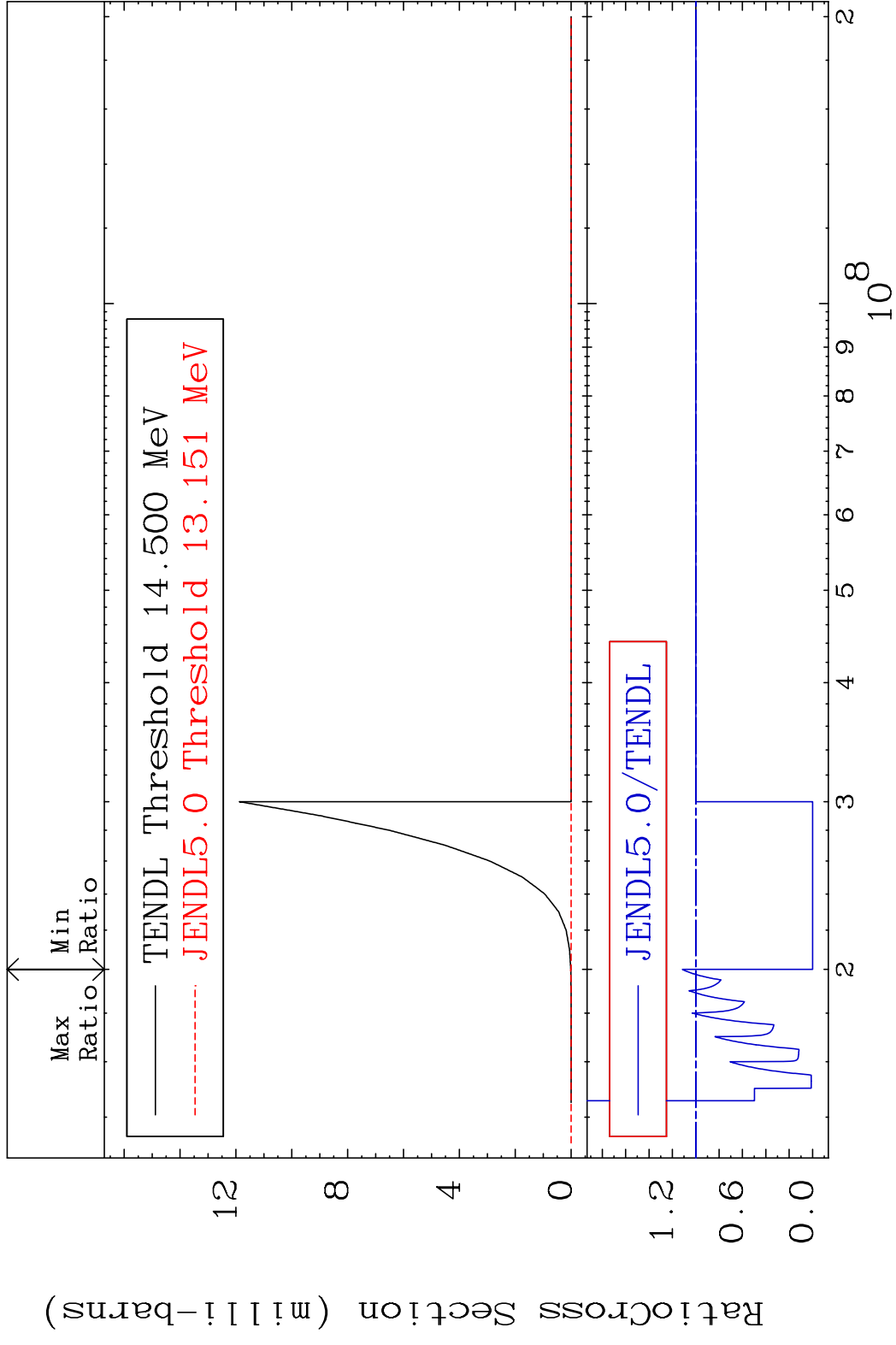
MAT 8023 (n, n') d:79-Au-193g 80-Hg-195m
 Radionuclide Production Cross Section 100.00 to 9999.99 %



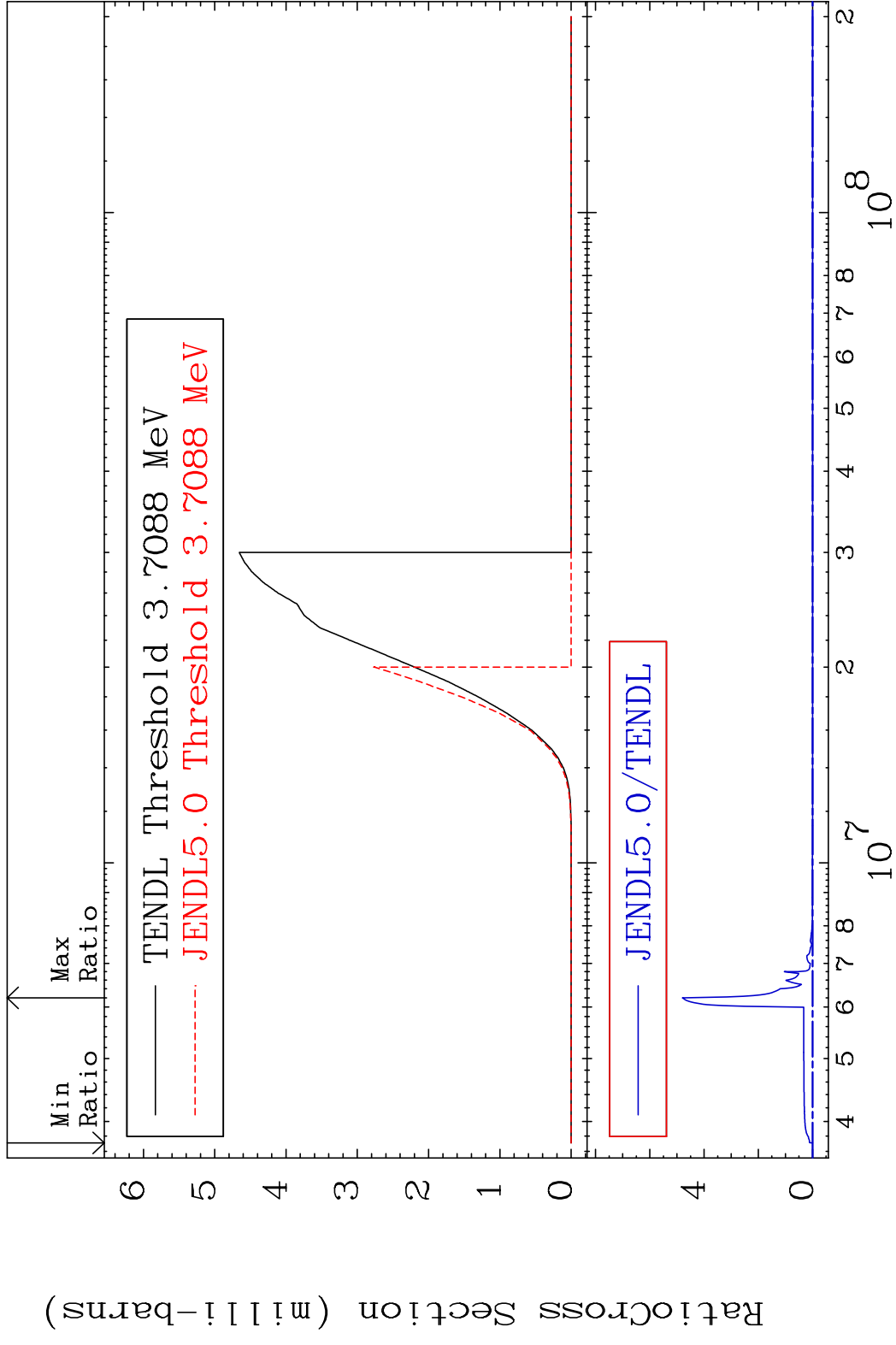
MAT 8023 (n, n') d:79-Au-193m4 80-Hg-195m
 Radionuclide Production Cross Section 18000 dtd 8061. %



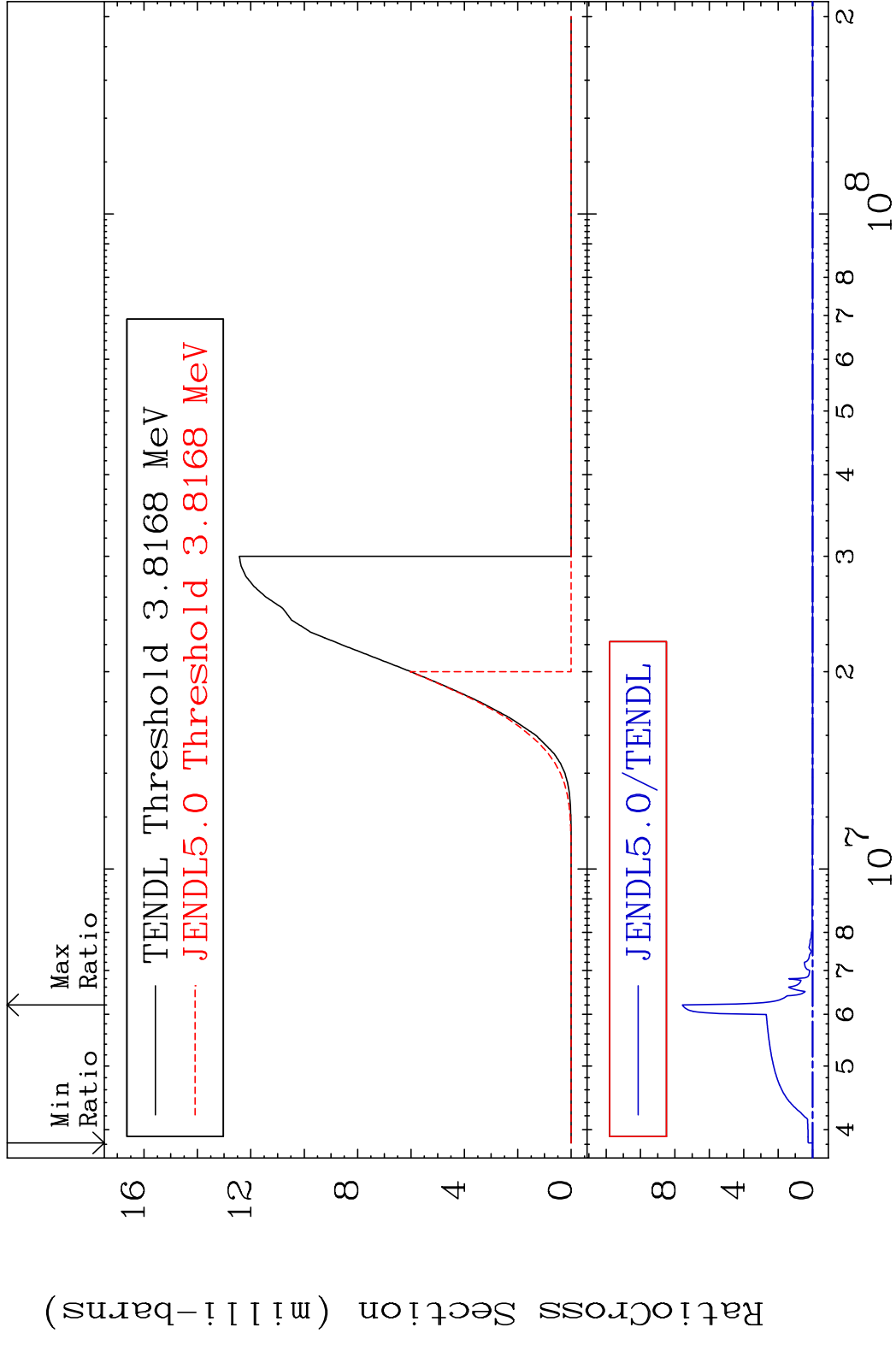
MAT 8023 (n,2n) p:79-Au-193m4 80-Hg-195m
 Radionuclide Production Cross Section 180.01 dth 11.47 %



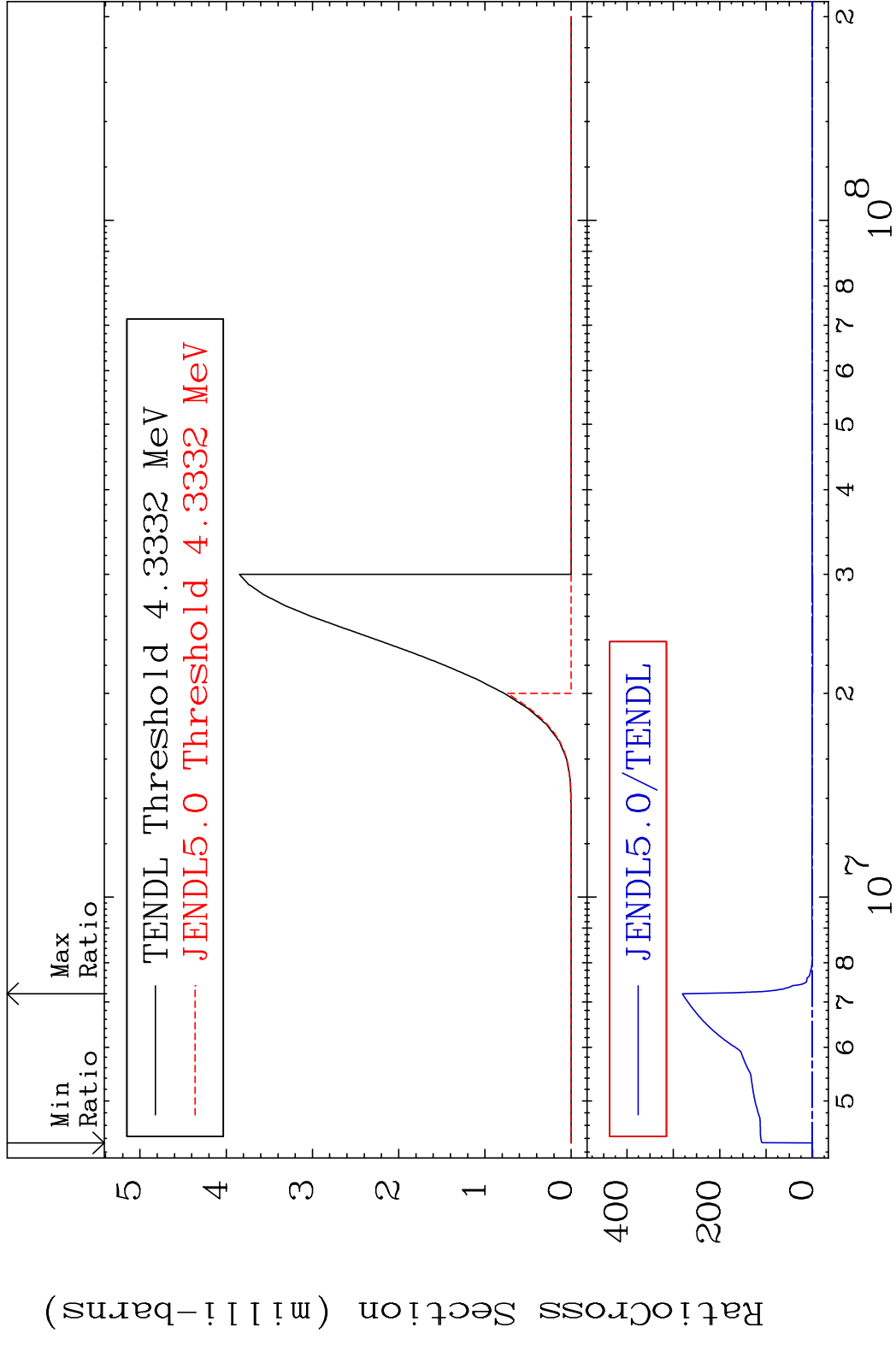
MAT 8023 (n,d):79-Au-194g 80-Hg-195m
 Radionuclide Production Cross Section 10000 to 9999. %



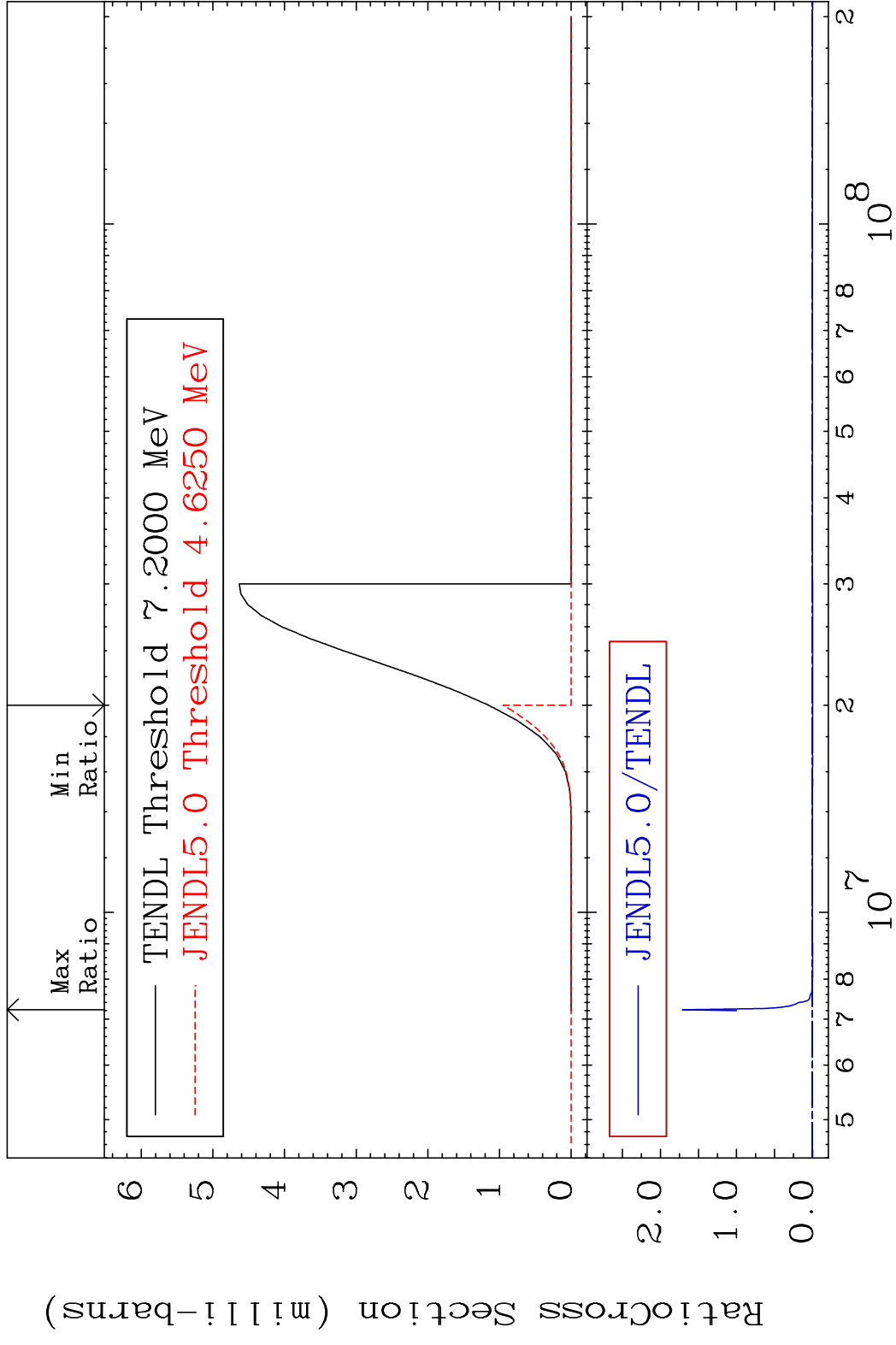
MAT 8023 (n, d):79-Au-194m3 80-Hg-195m
 Radionuclide Production Cross Section to 9999. %



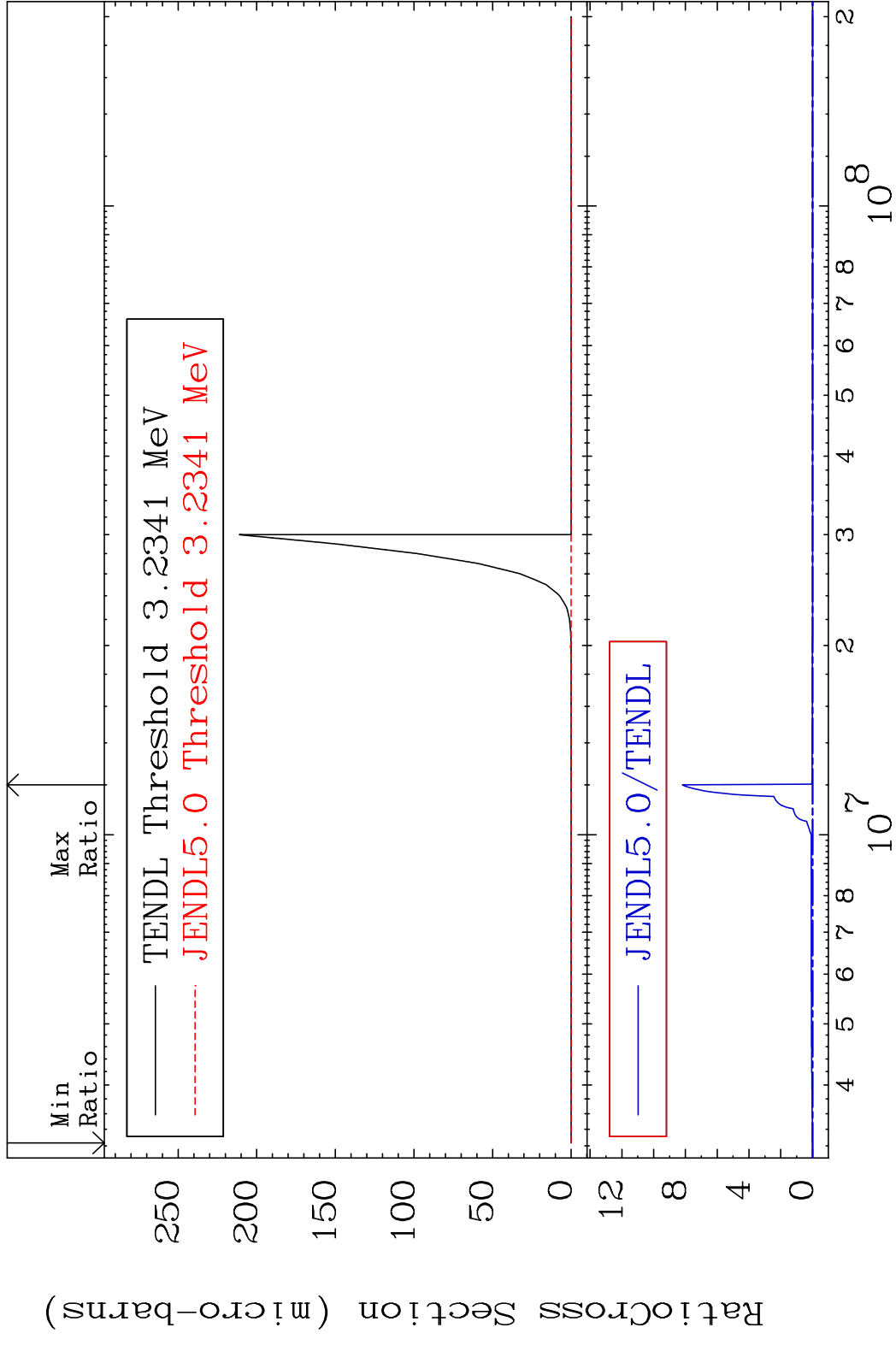
MAT 8023 (n,t):79-Au-193g 80-Hg-195m
 Radionuclide Production Cross Section to 9999. %



MAT 8023 (n, t): 79-Au-193m4 80-Hg-195m
 Radionuclide Production Cross Section Ratio 9999. %



MAT 8023 (n, He-3) : 78-Pt-193g 80-Hg-195m
 Radionuclide Production Cross Section to 9999. %



MAT 8023 (n, He-3) : 78-Pt-193m5 80-Hg-195m
 Radionuclide Production Cross Section to 9999. %

