

Program Complot
(Version 2021-1)

by

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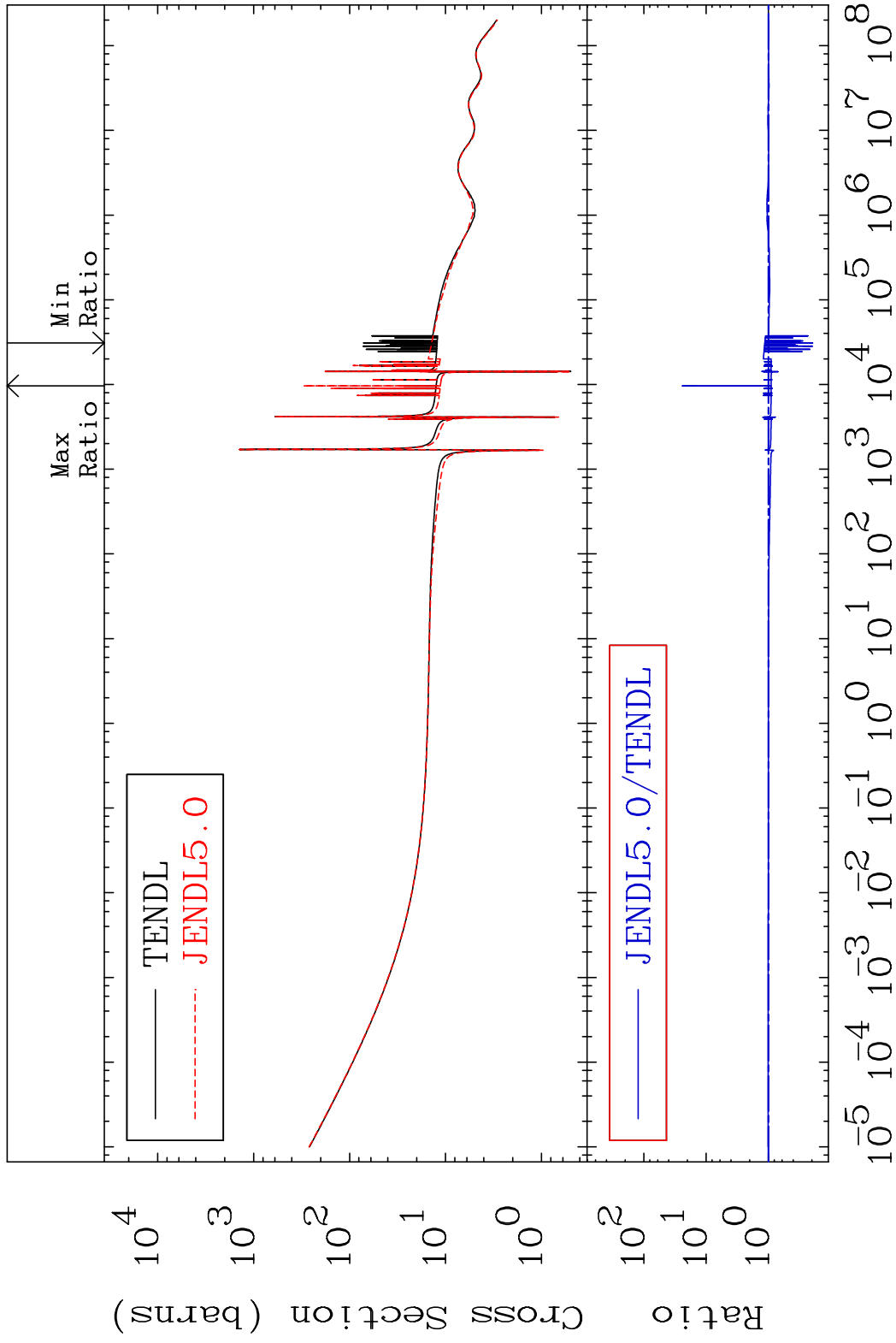
Press Mouse Button to Start

MAT 8043

Total

80-Hg-202

Cross Section -80.51 To 2306. %



1

Incident Energy (eV)

80-Hg-202

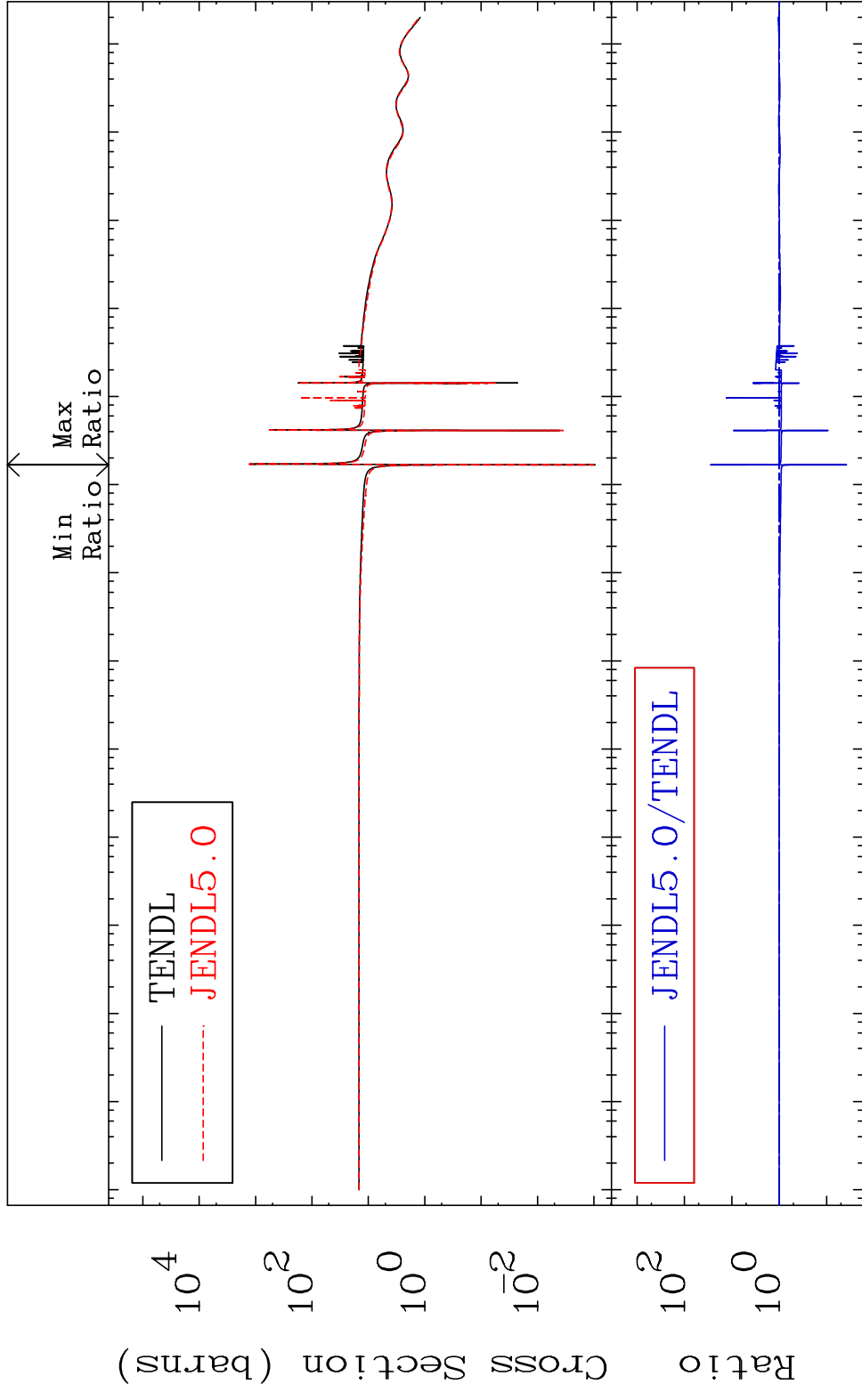
MAT 8043

Elastic

80-Hg-202

Cross Section

-96.17 To 2694. %



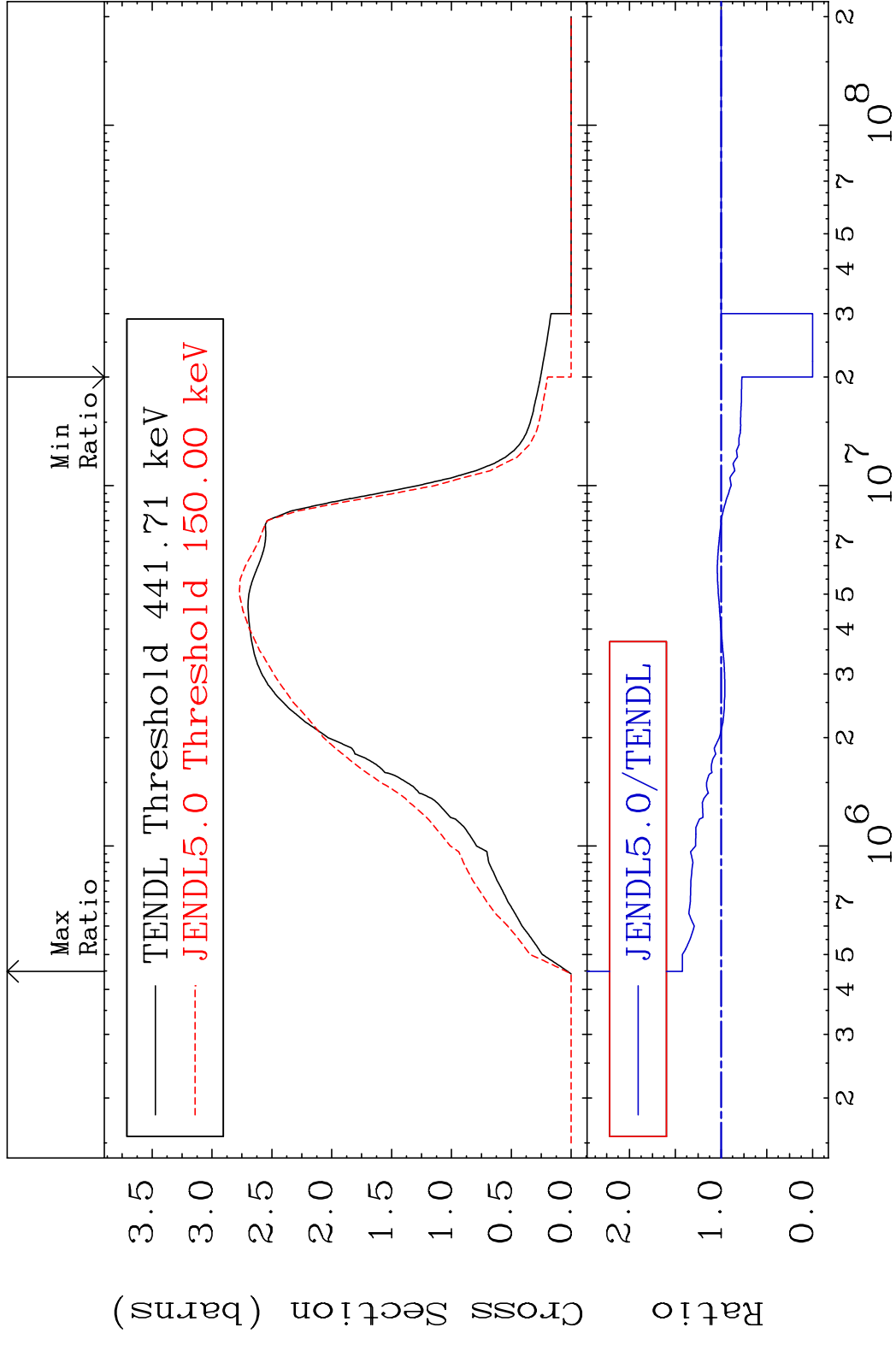
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

80-Hg-202

MAT 8043 Inelastic Cross Section -100.0 To 42.32 % 80-Hg-202

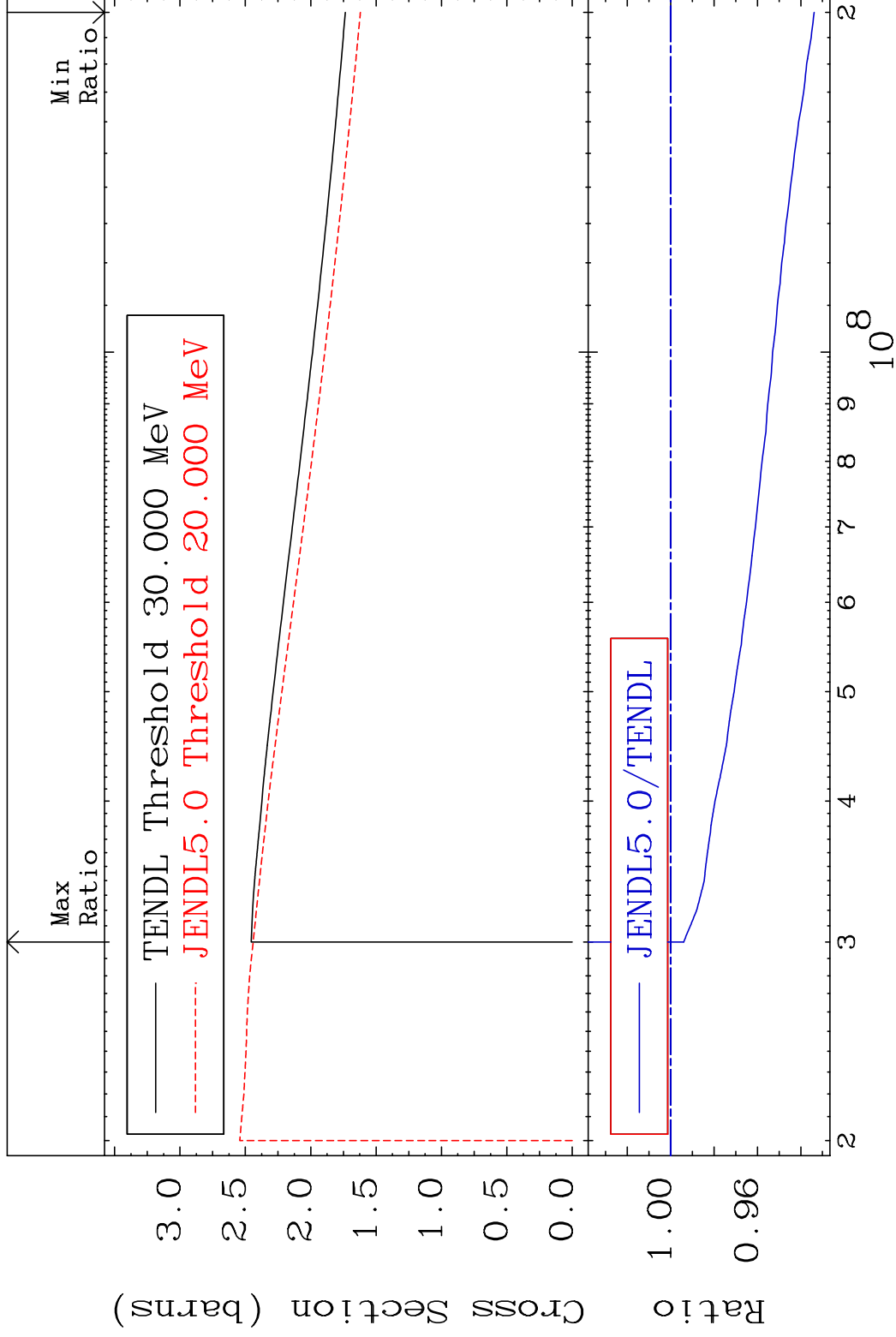


MAT 8043

(n, remainder)

80-Hg-202

Cross Section -6.614 To -0.601%



4

Incident Energy (eV)

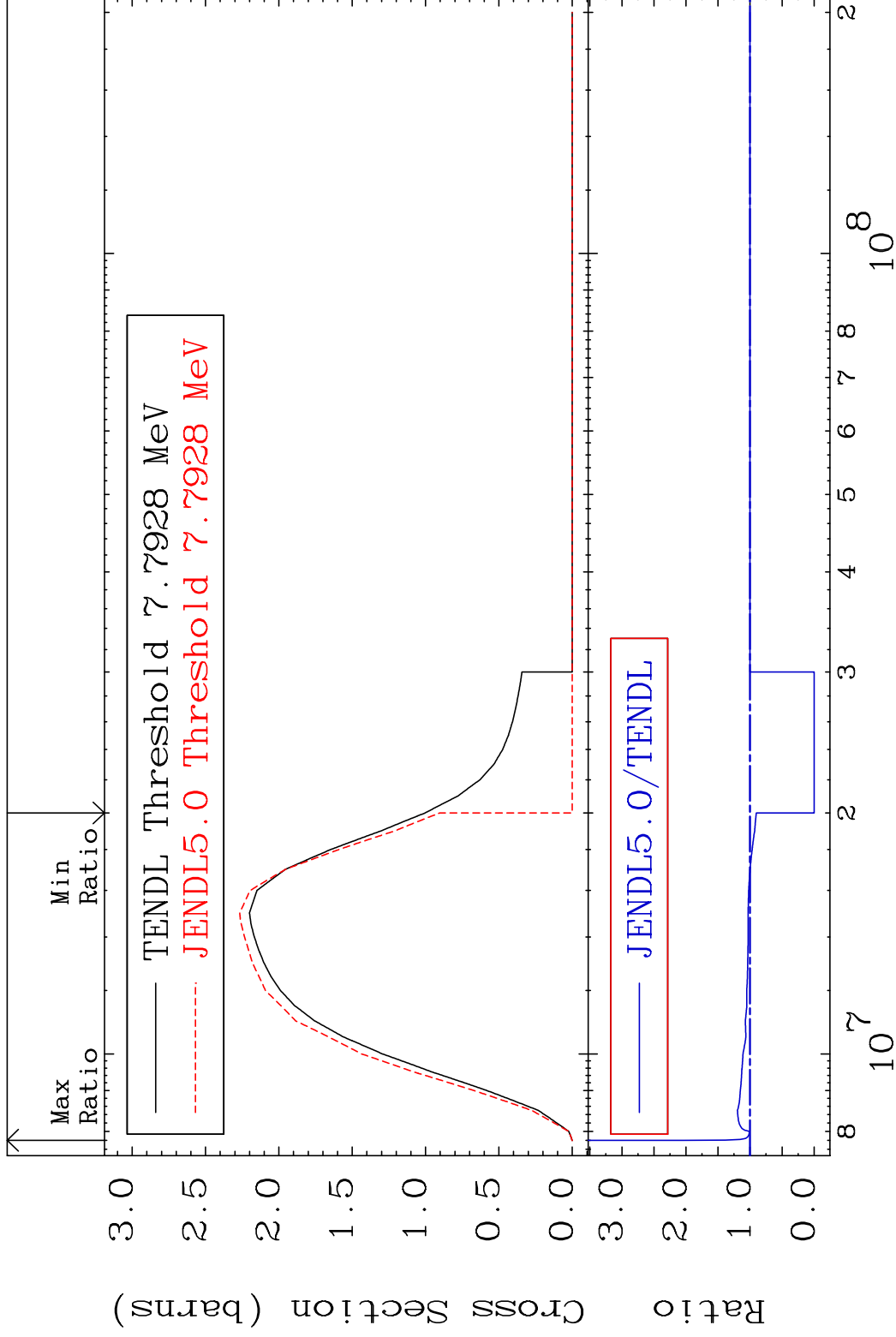
80-Hg-202

MAT 8043

(n,2n)

80-Hg-202

Cross Section -100.0 To 103.6 %

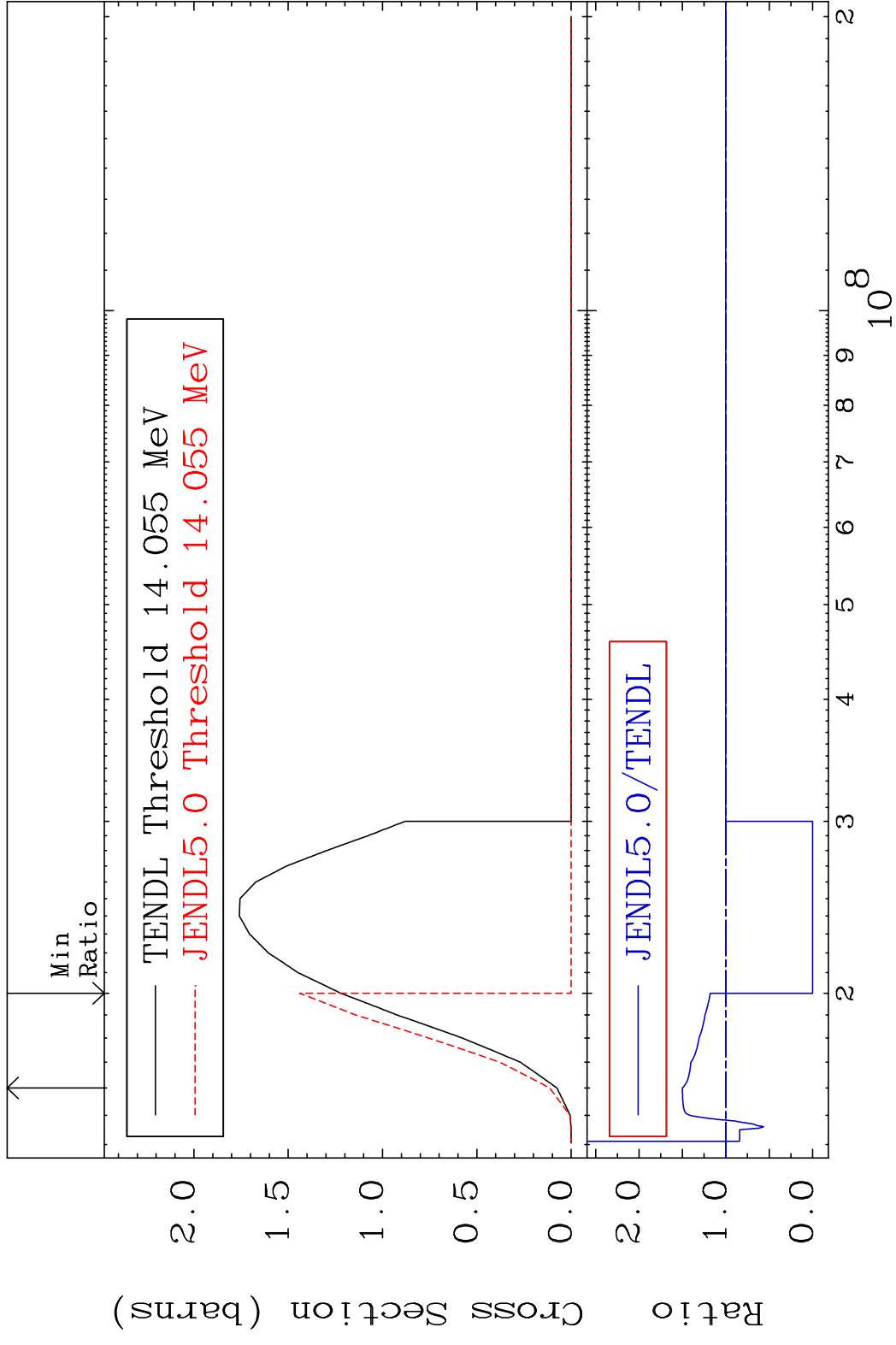


5

Incident Energy (eV)

80-Hg-202

MAT 8043 (n,3n) 80-Hg-202
 Cross Section -100.0 To 50.06 %

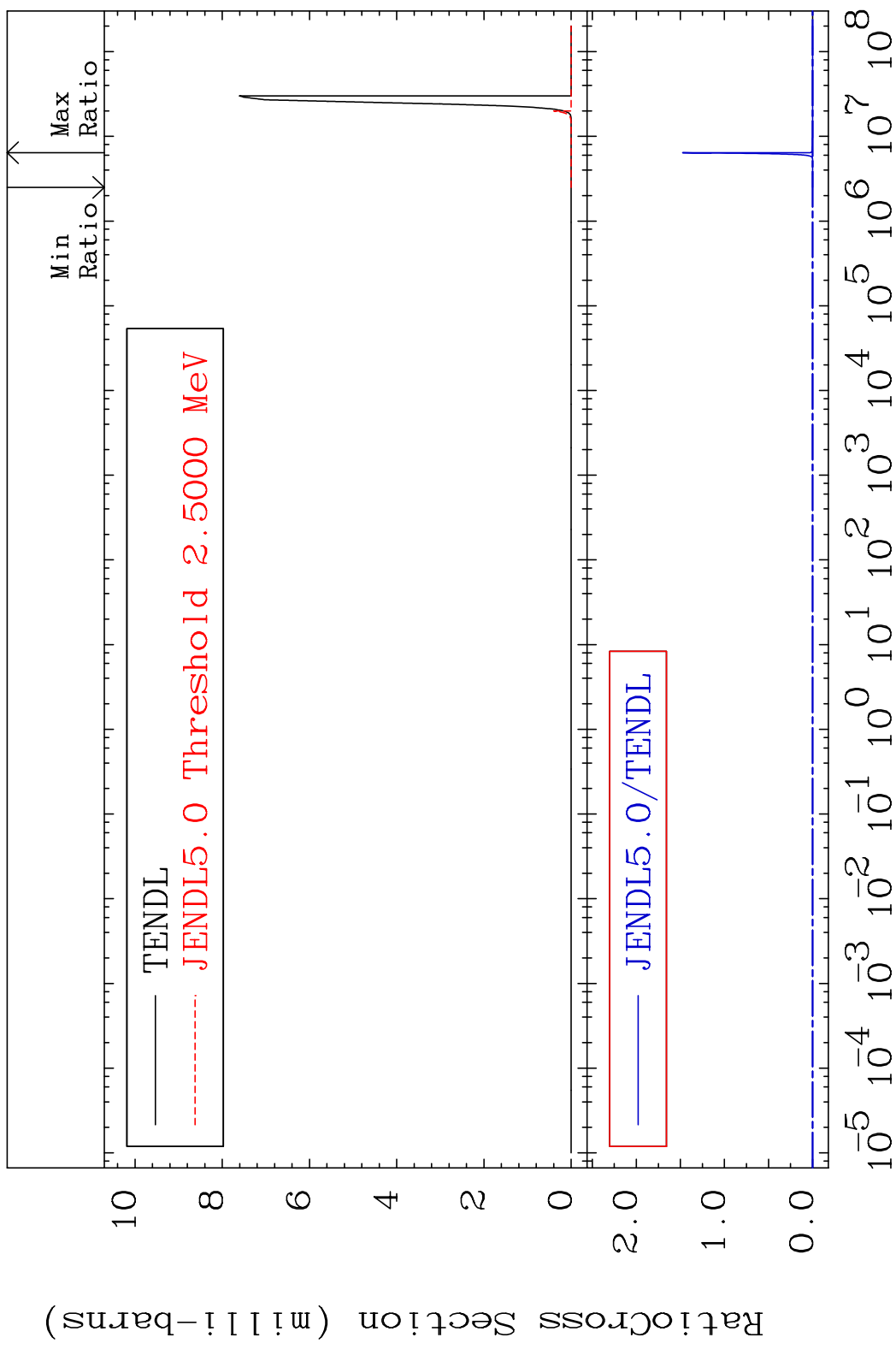


MAT 8043

(n, n') α

80-Hg-202

Cross Section -100.0 To 9999. %

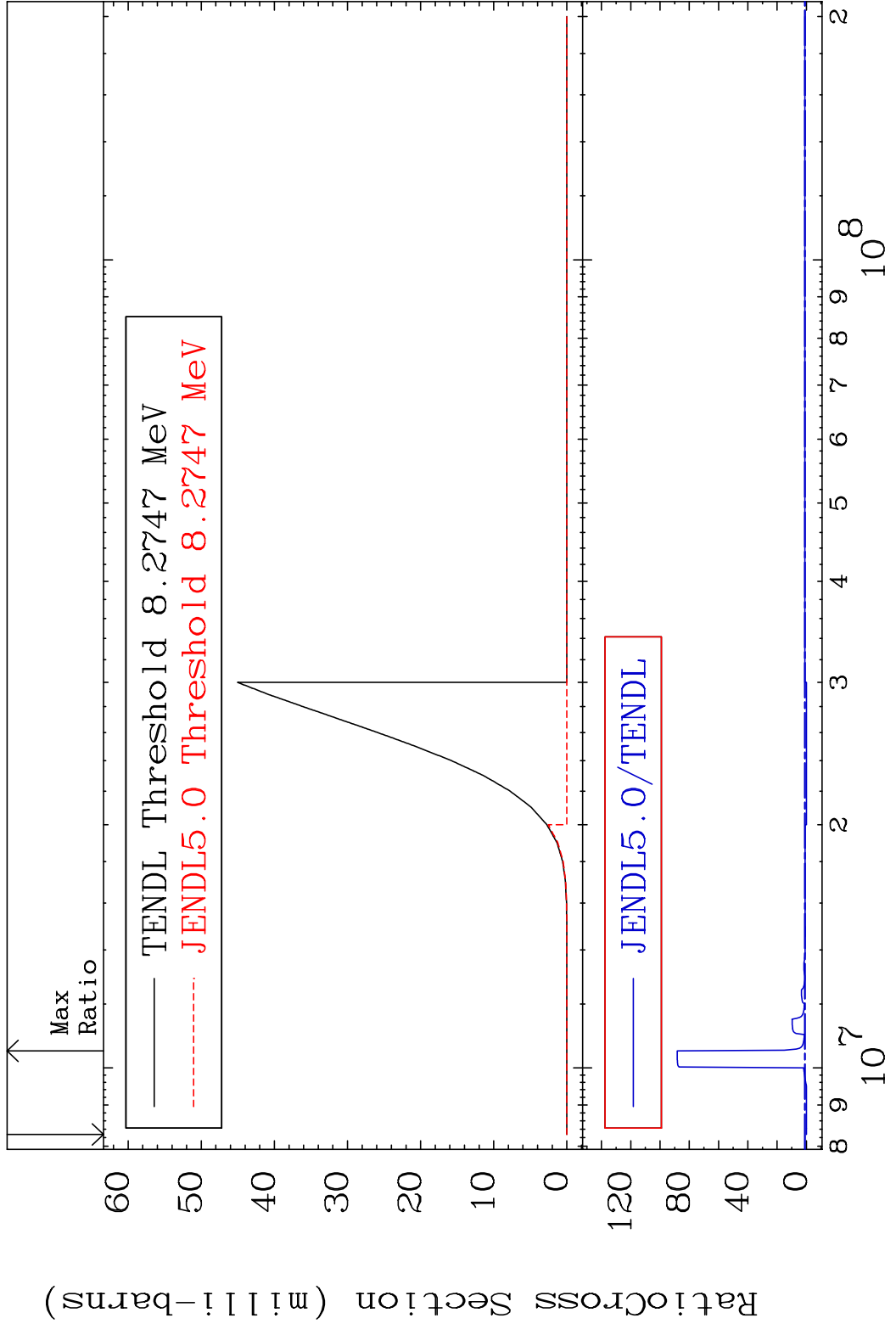


7

Incident Energy (eV)

80-Hg-202

MAT 8043 (n, n') p 80-Hg-202
 Cross Section -100.0 To 8729. %



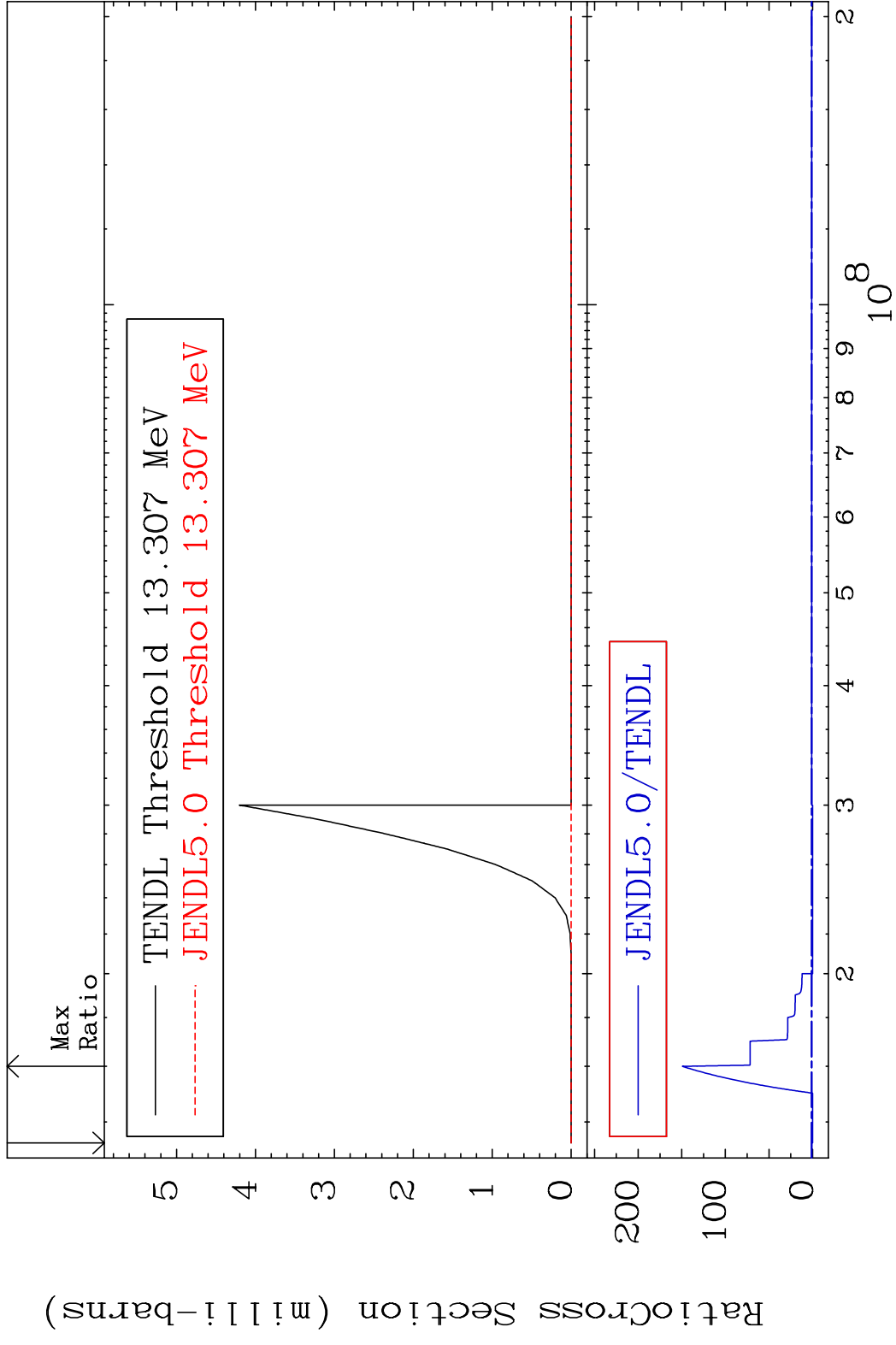
80-Hg-202

MAT 8043

(n, n') d

80-Hg-202

Cross Section -100.0 To 9999. %

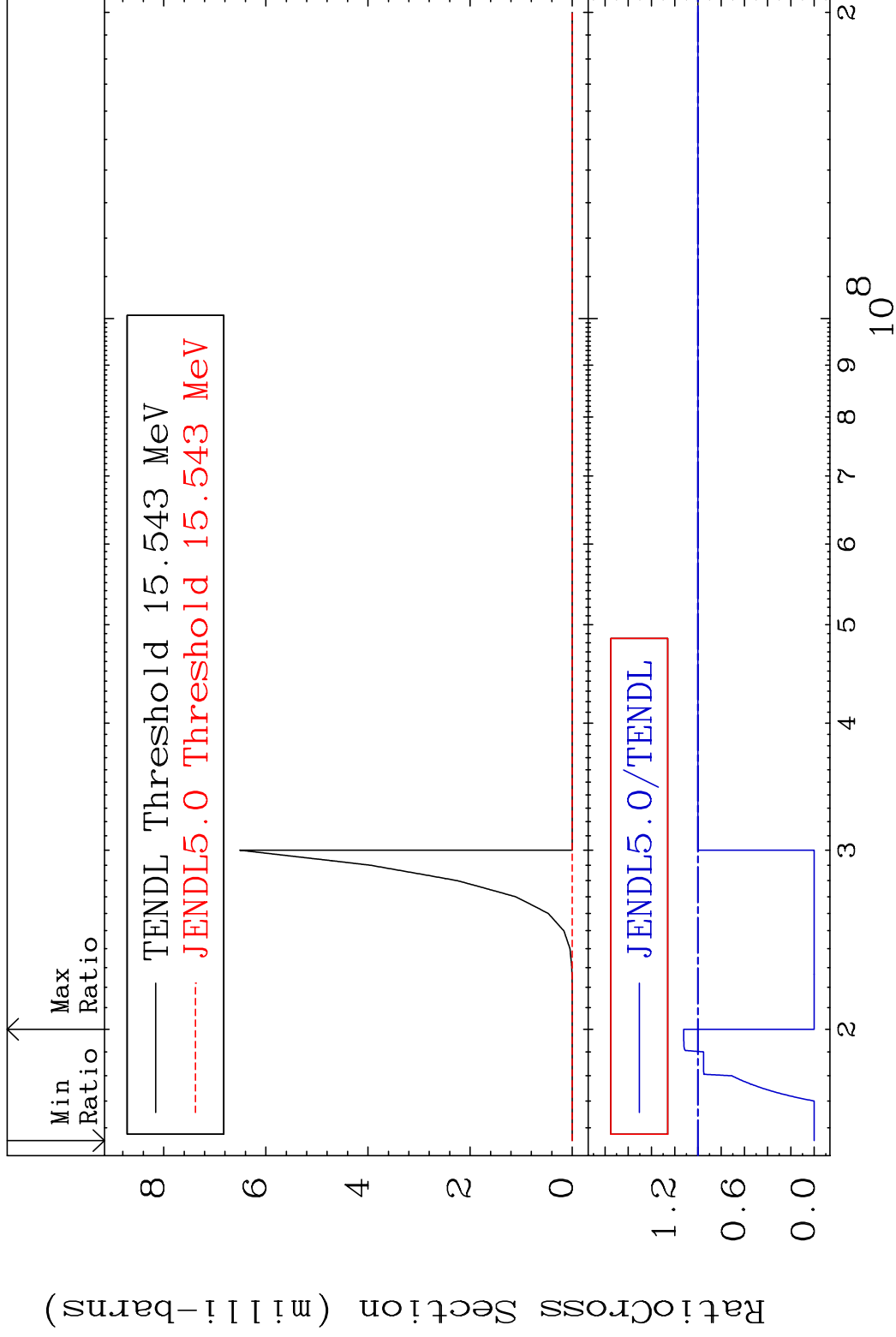


MAT 8043

(n,2n) p

80-Hg-202

Cross Section -100.0 To 12.29 %

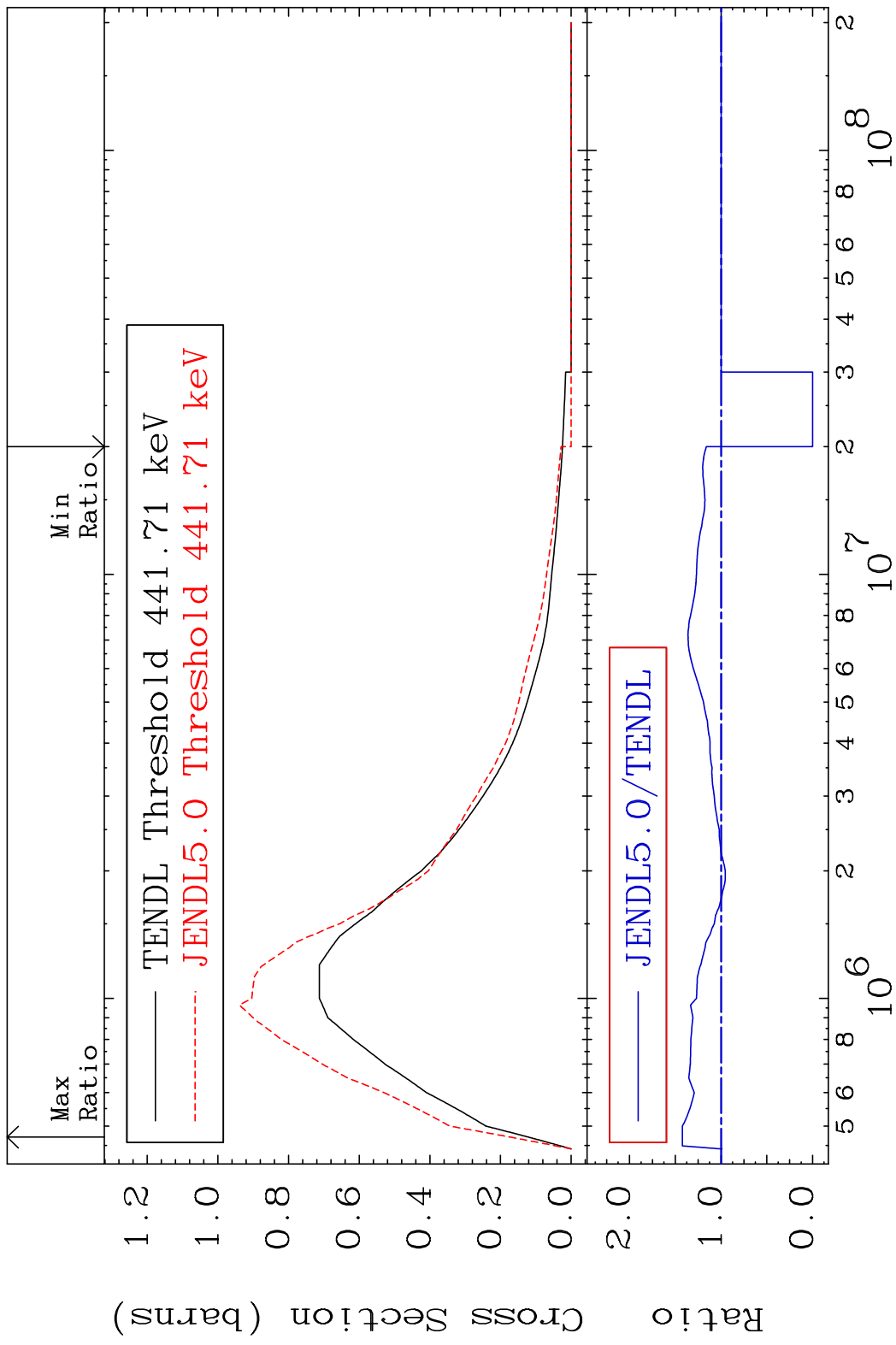


10

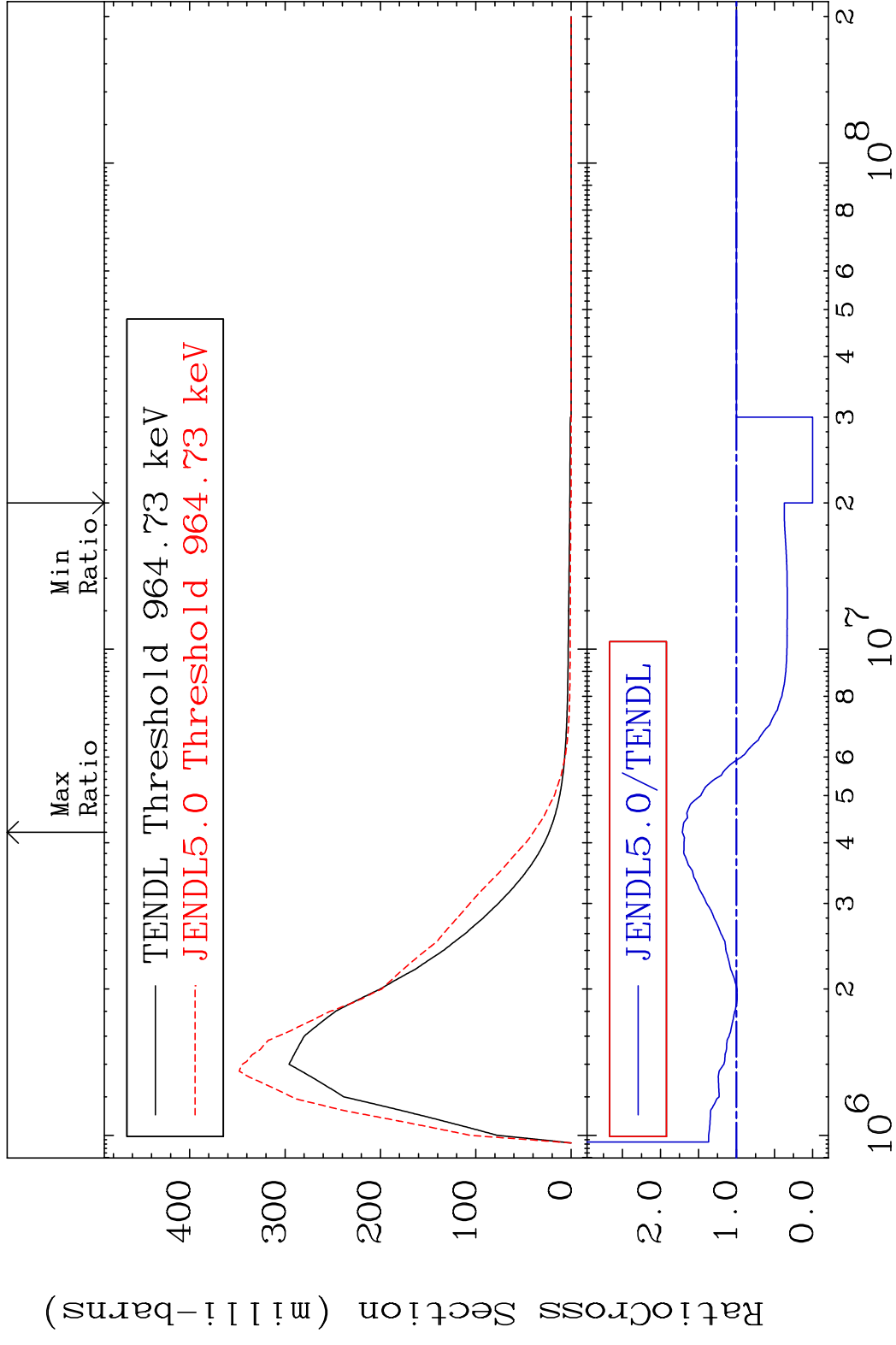
Incident Energy (eV)

80-Hg-202

MAT 8043 MT= 51 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 42.30 %

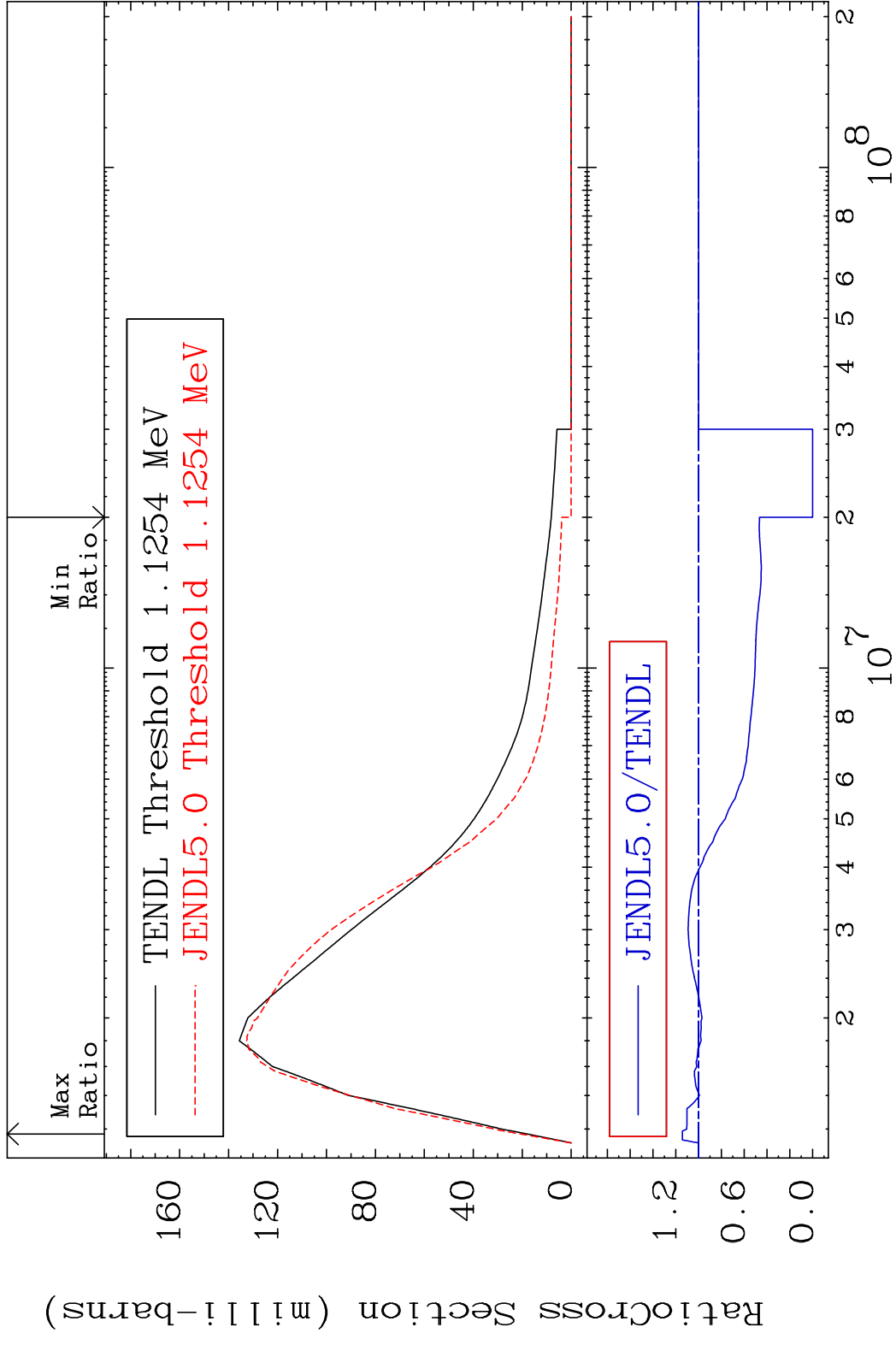


MAT 8043 MT= 52 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 71.26 %

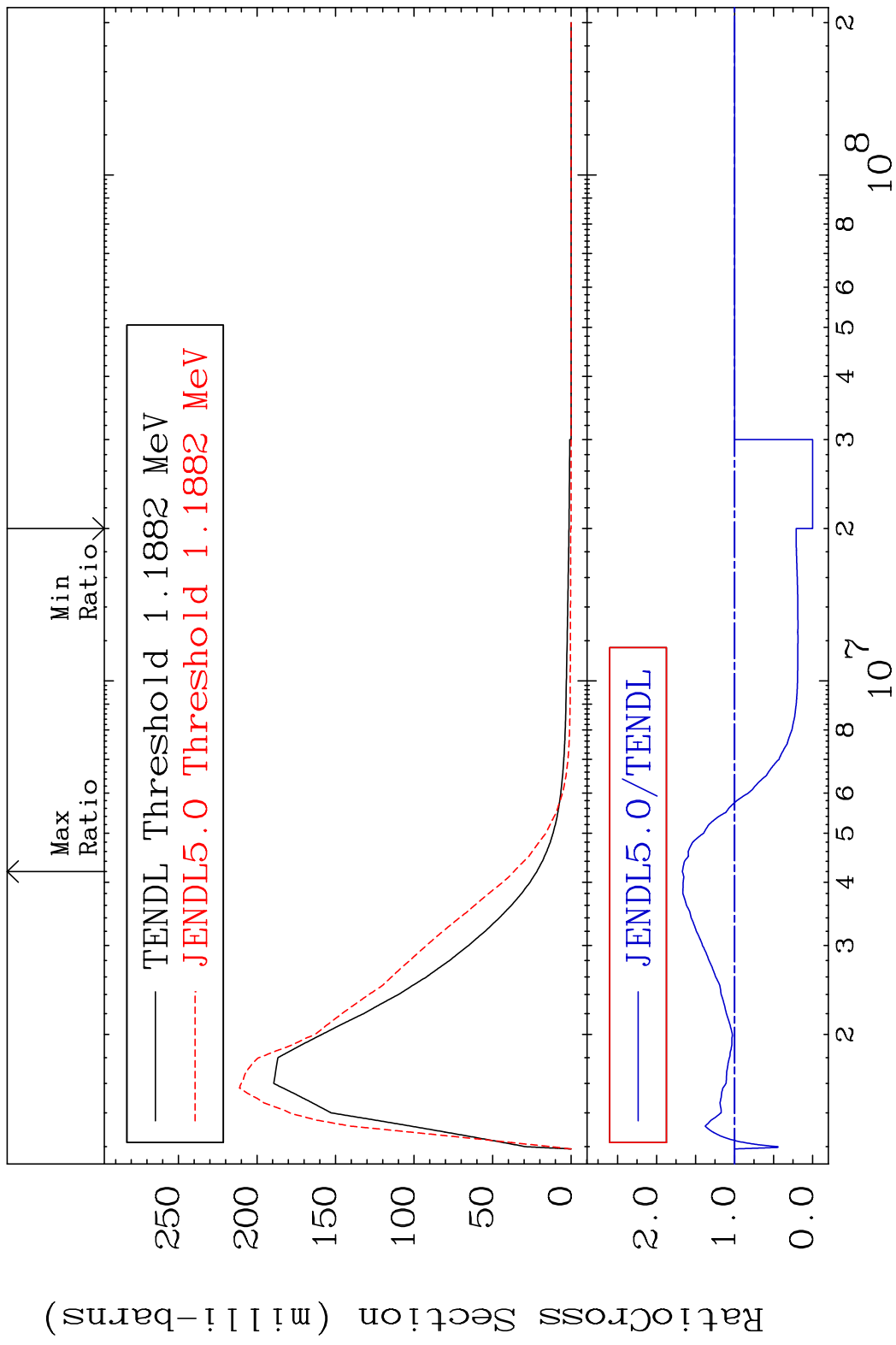


12 Incident Energy (eV) 80-Hg-202

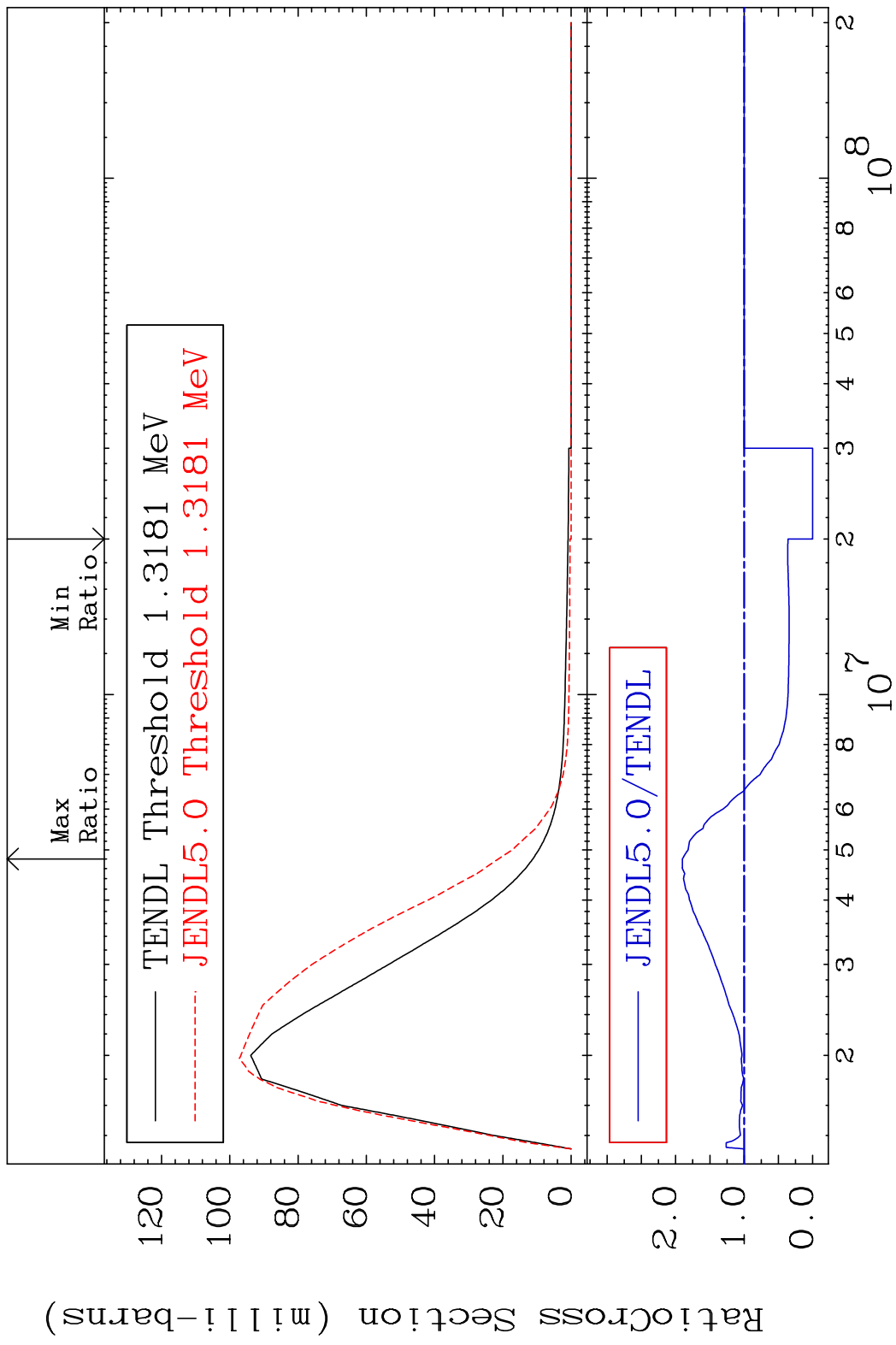
MAT 8043 MT= 53 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 14.23 %



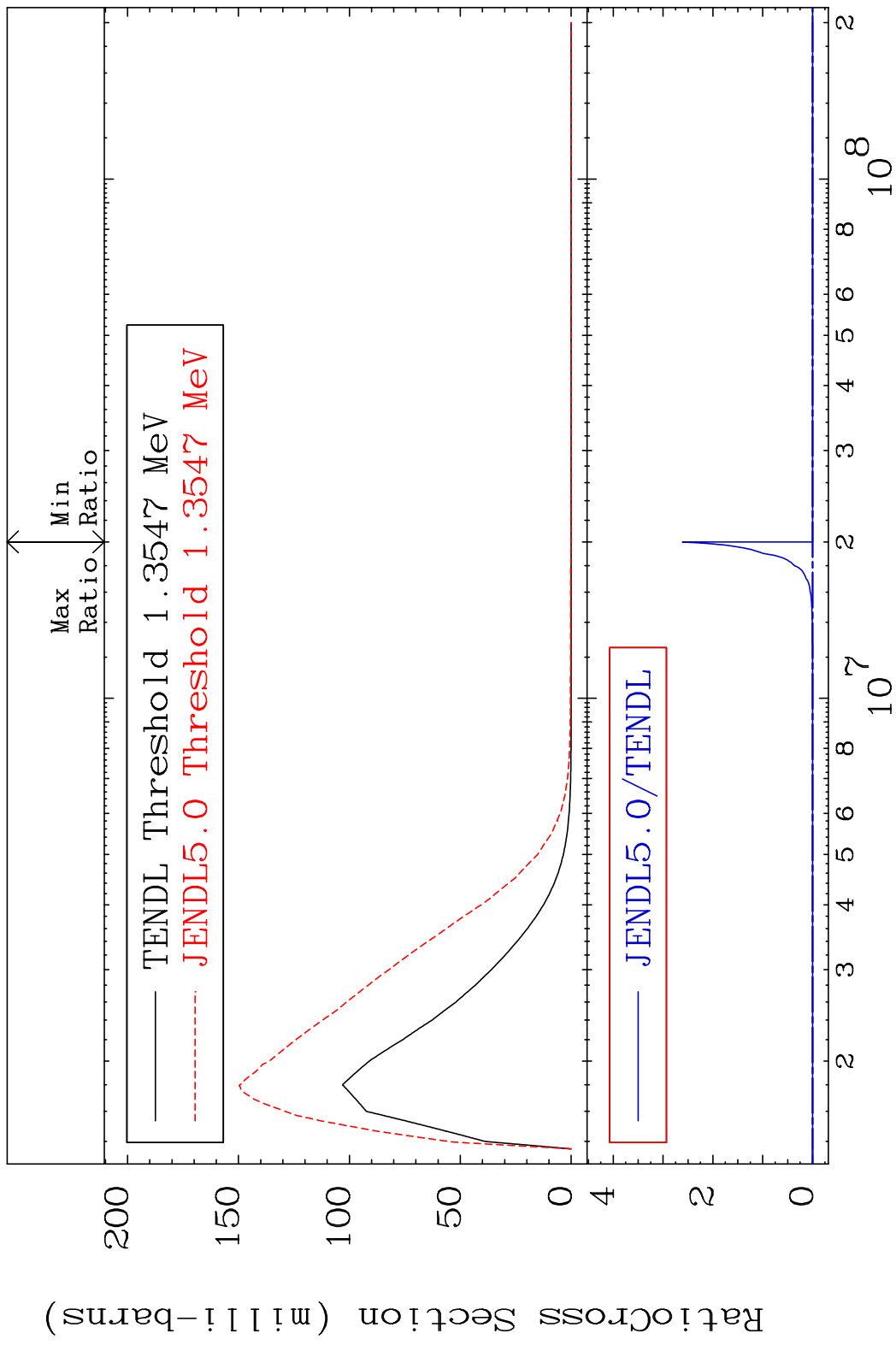
MAT 8043 MT= 54 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 66.91 %



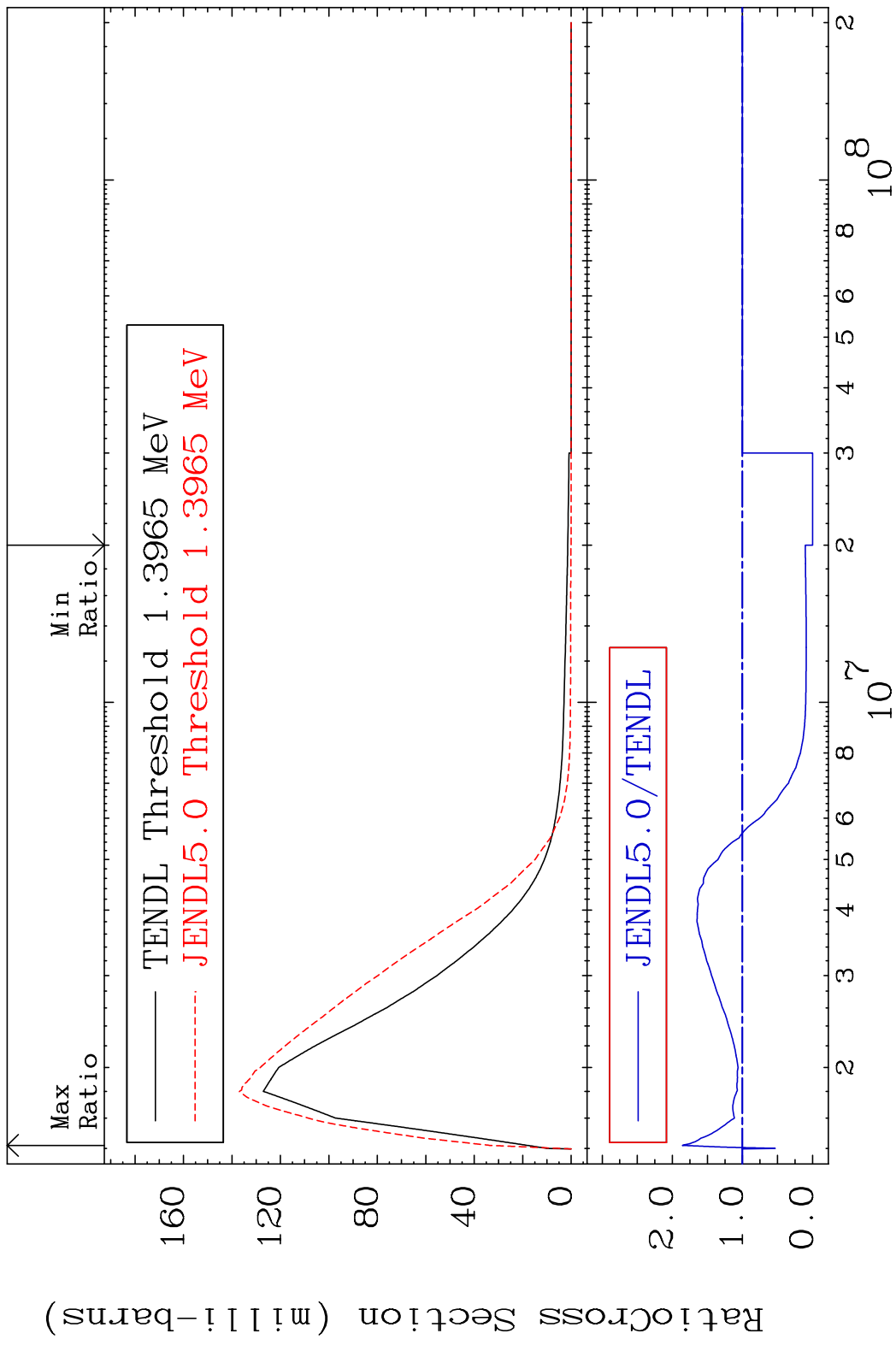
MAT 8043 MT= 55 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 90.21 %



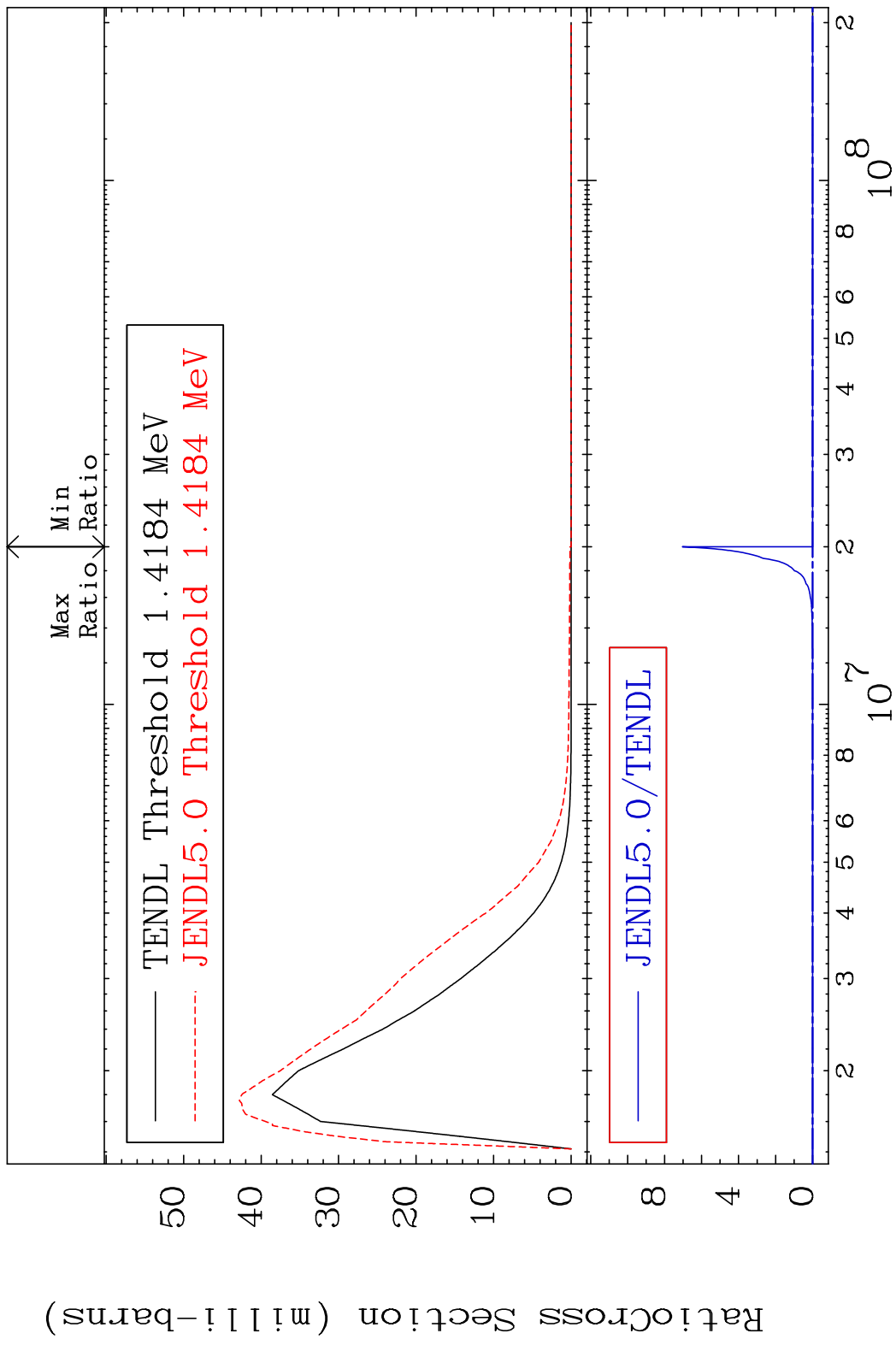
MAT 8043 MT= 56 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 9999. %



MAT 8043 MT= 57 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 85.72 %

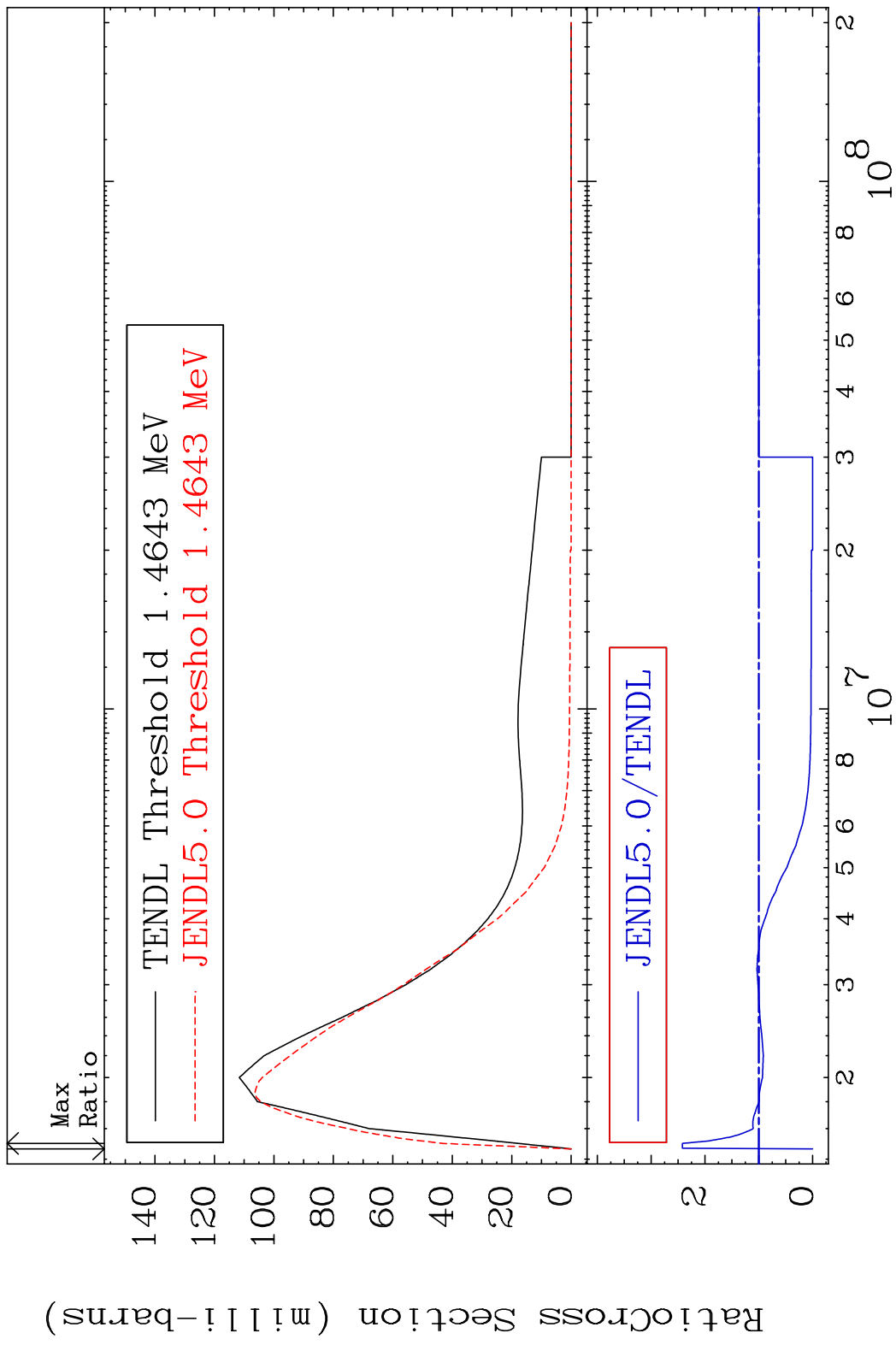


MAT 8043 MT= 58 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 9999. %

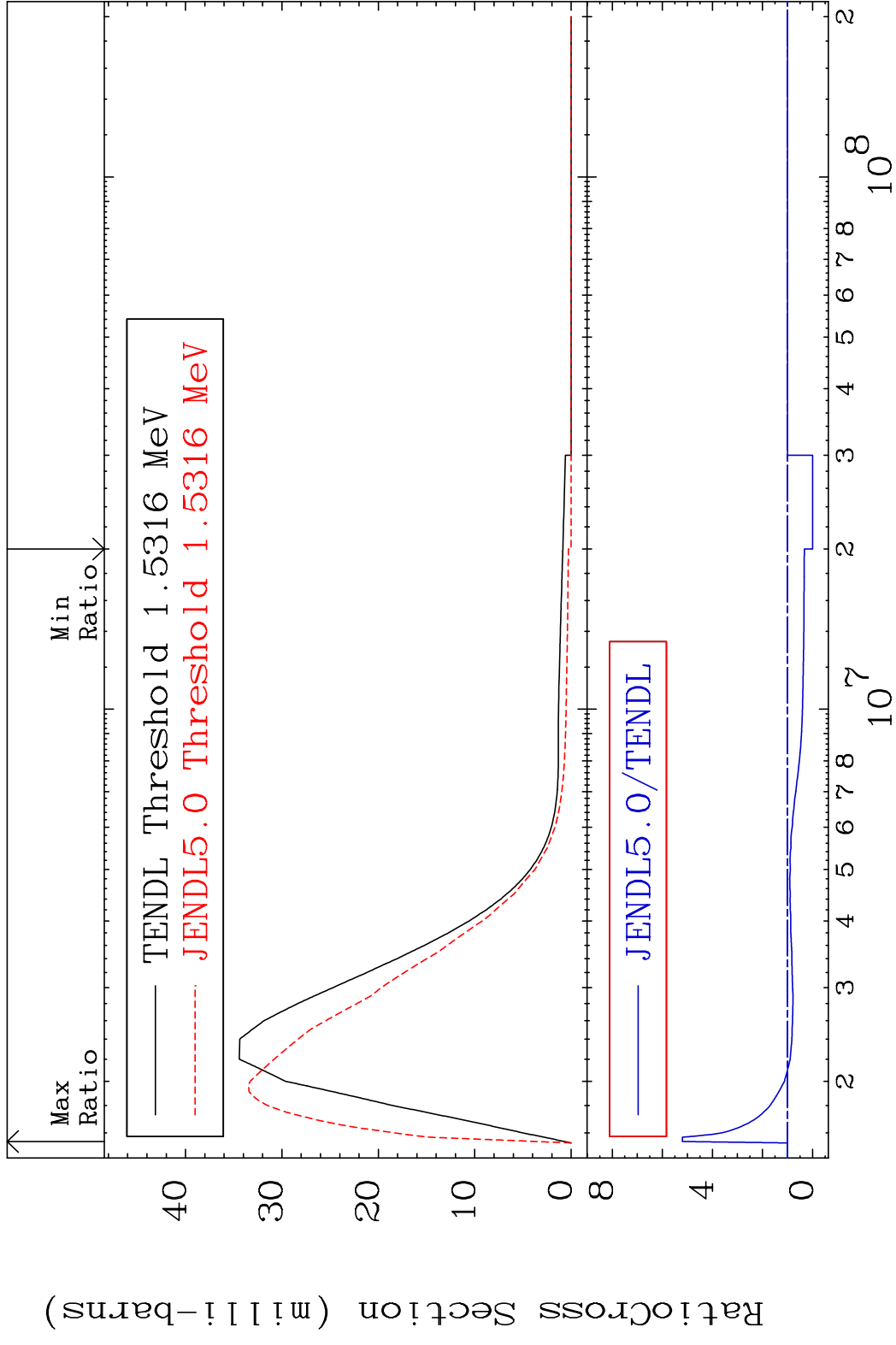


18 80-Hg-202

MAT 8043 MT= 59 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 142.0 %

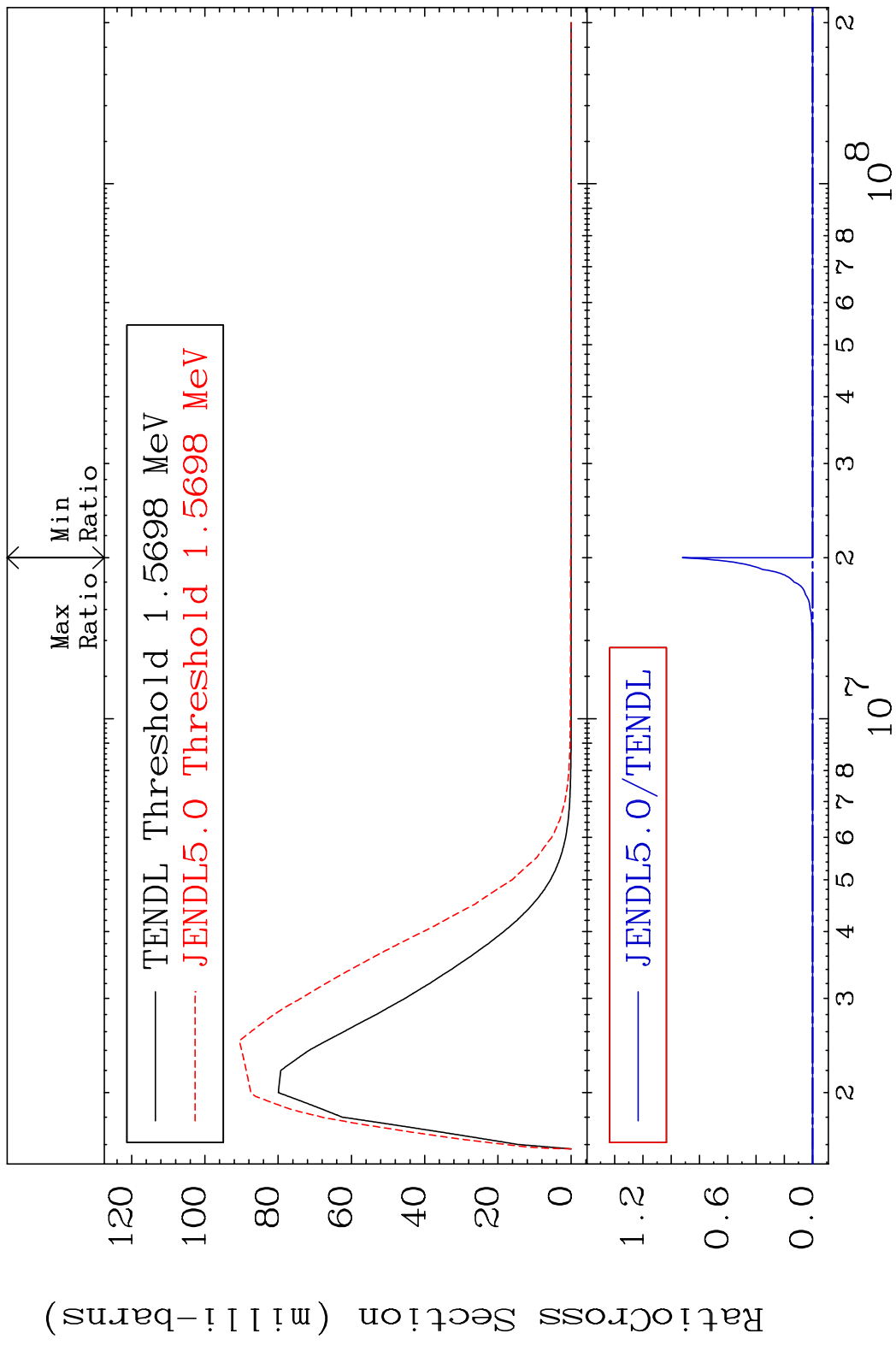


MAT 8043 MT= 60 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 420.1 %

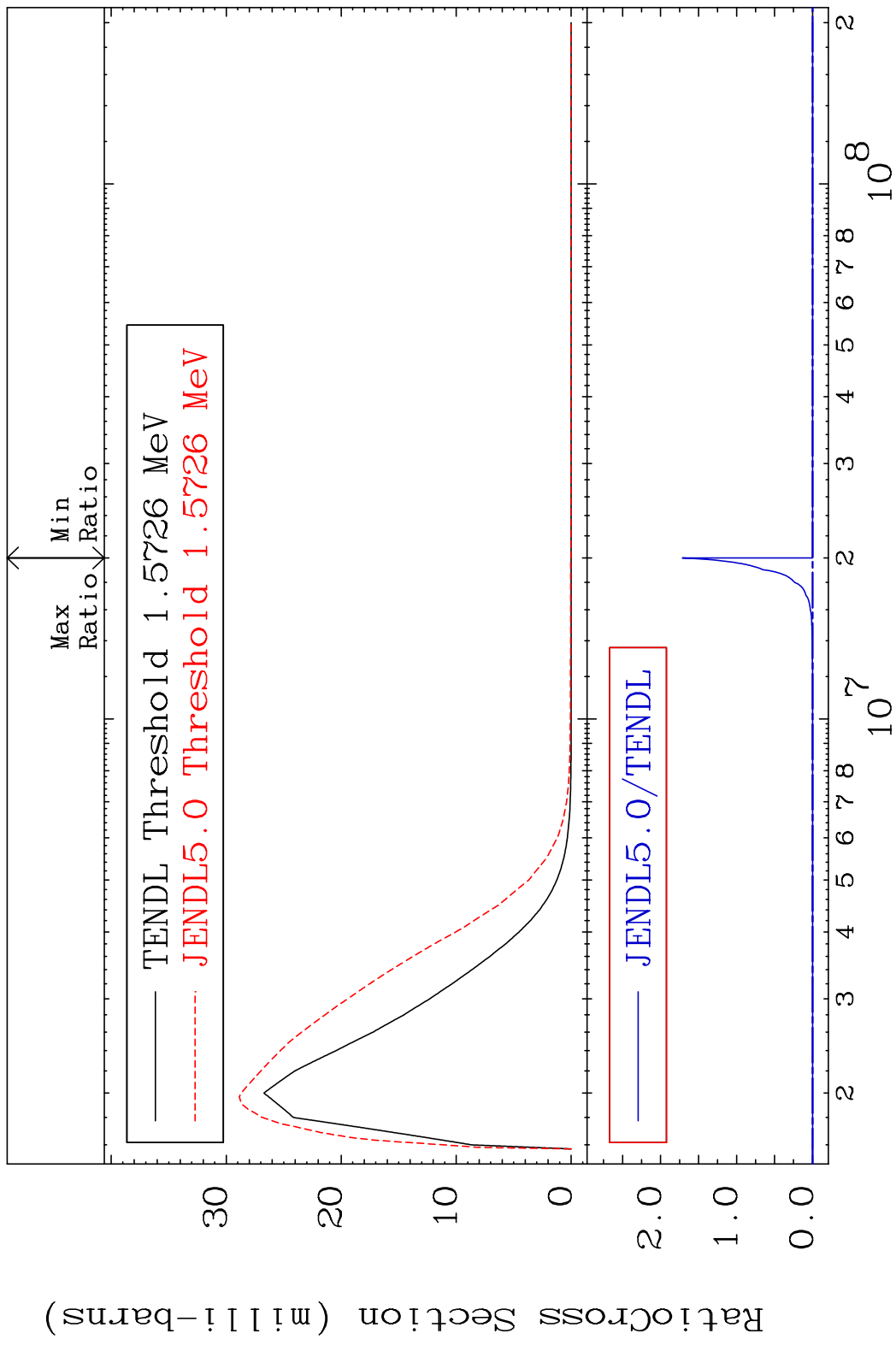


20 80-Hg-202

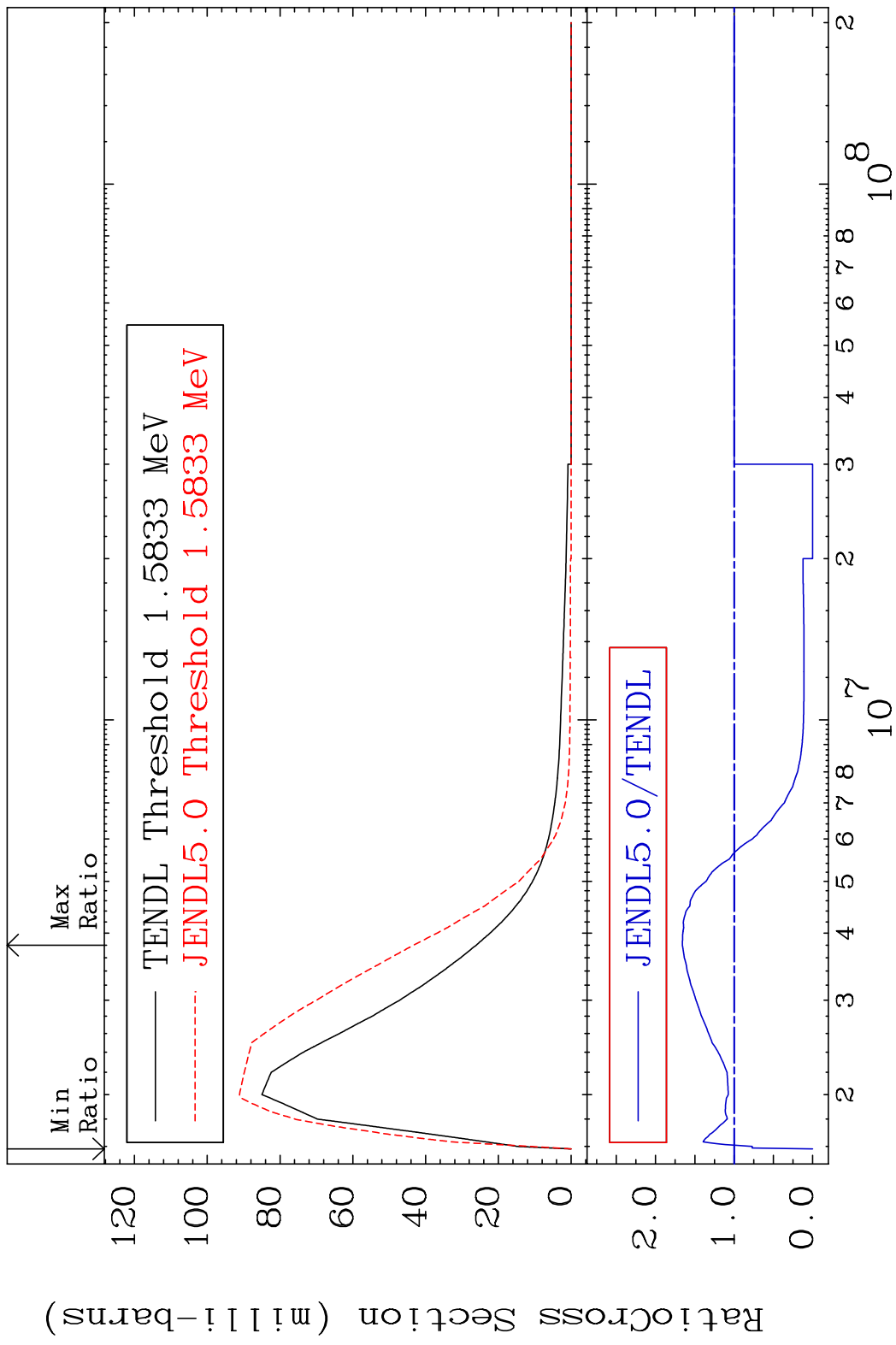
MAT 8043 MT= 61 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 9999. %



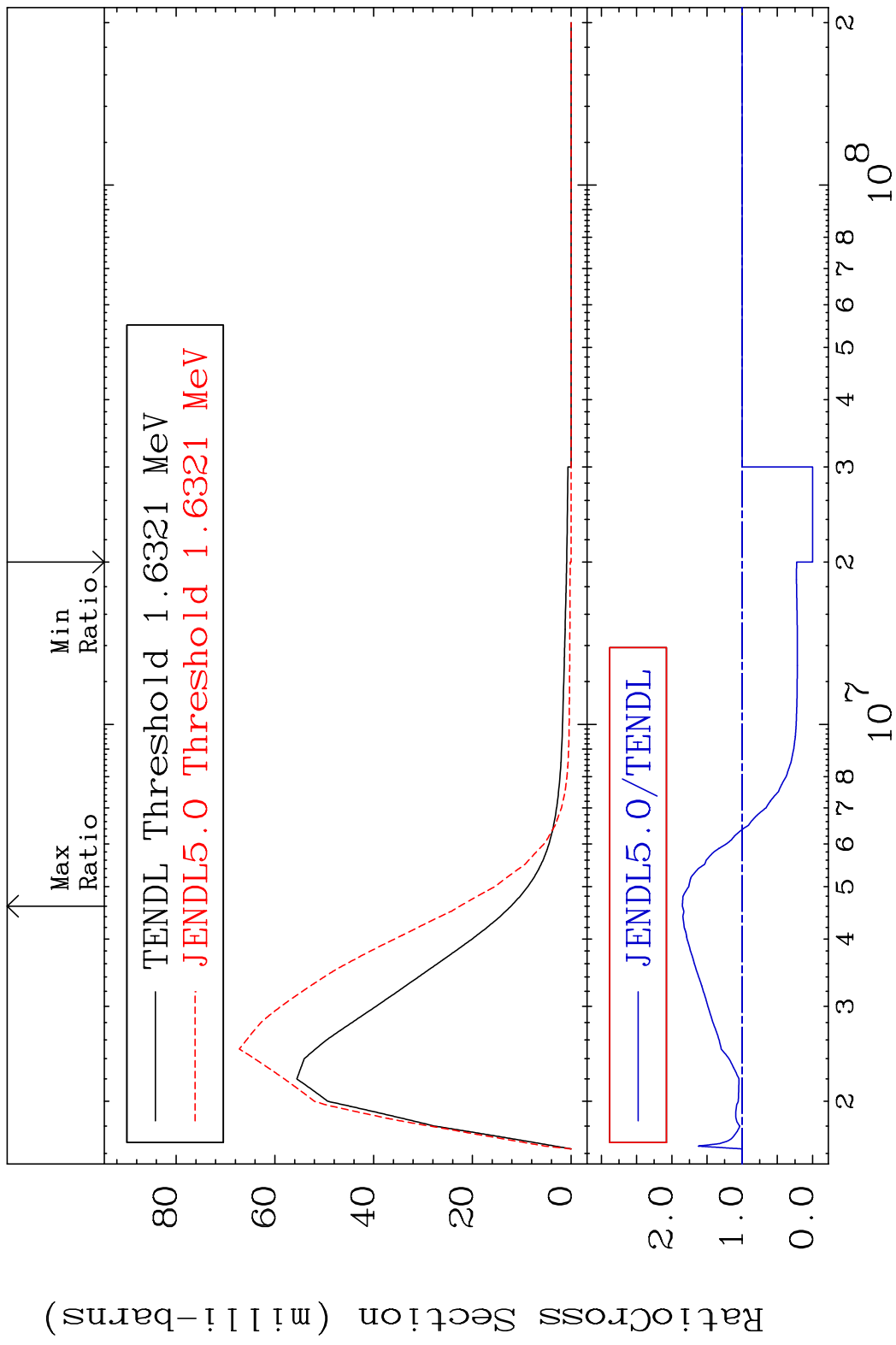
MAT 8043 MT= 62 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 9999. %



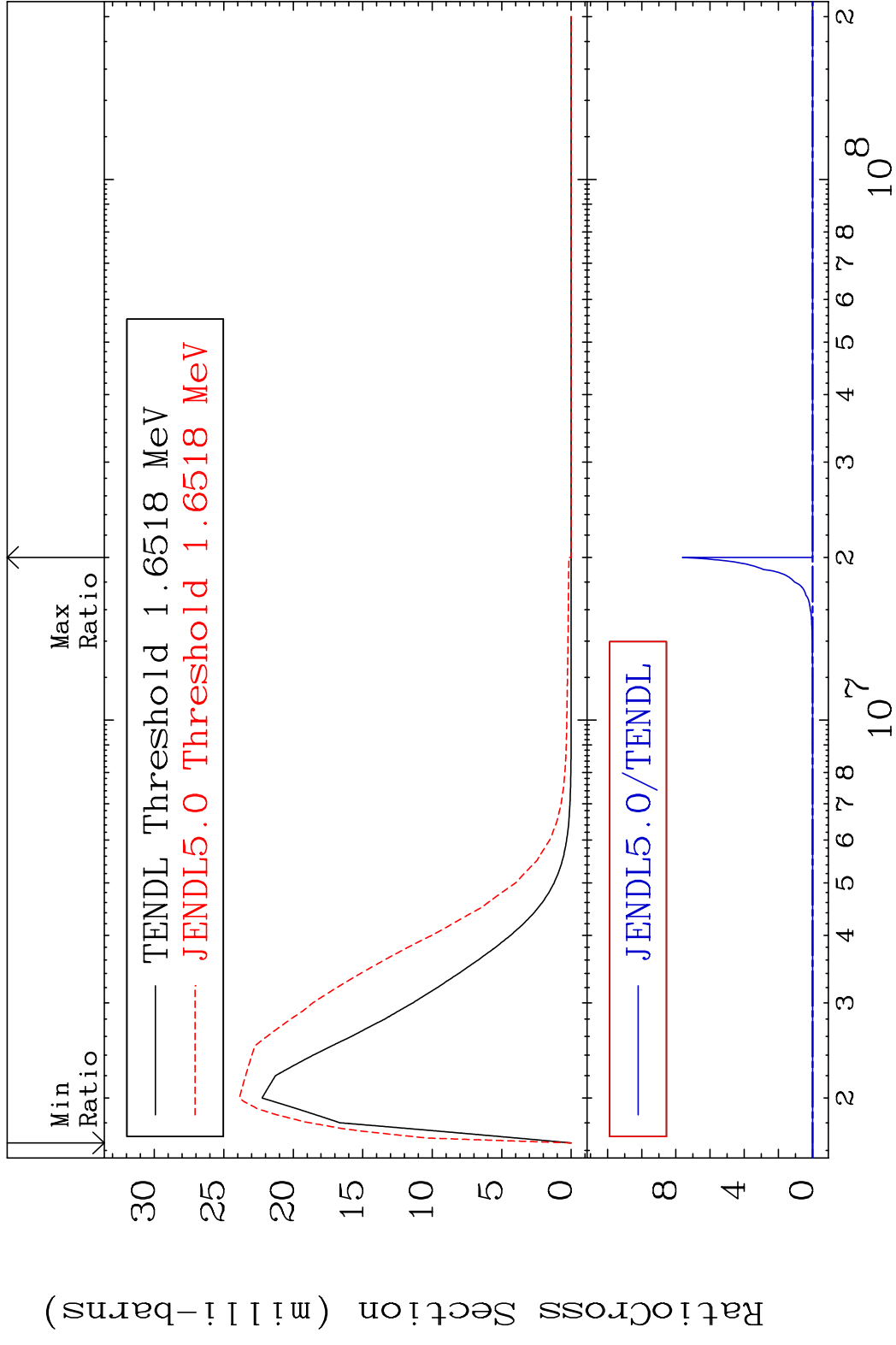
MAT 8043 MT= 63 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 65.89 %



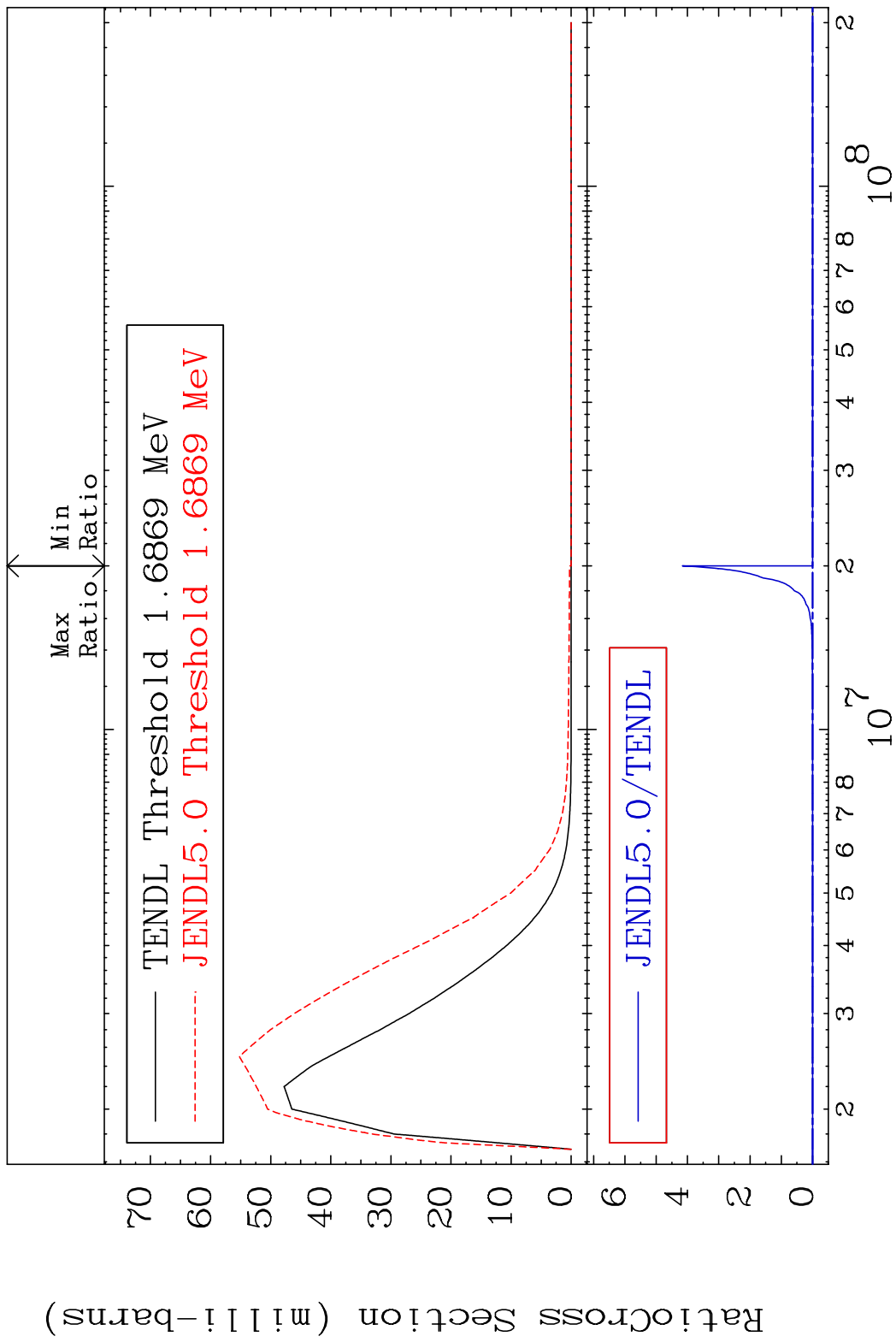
MAT 8043 MT= 64 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 85.01 %



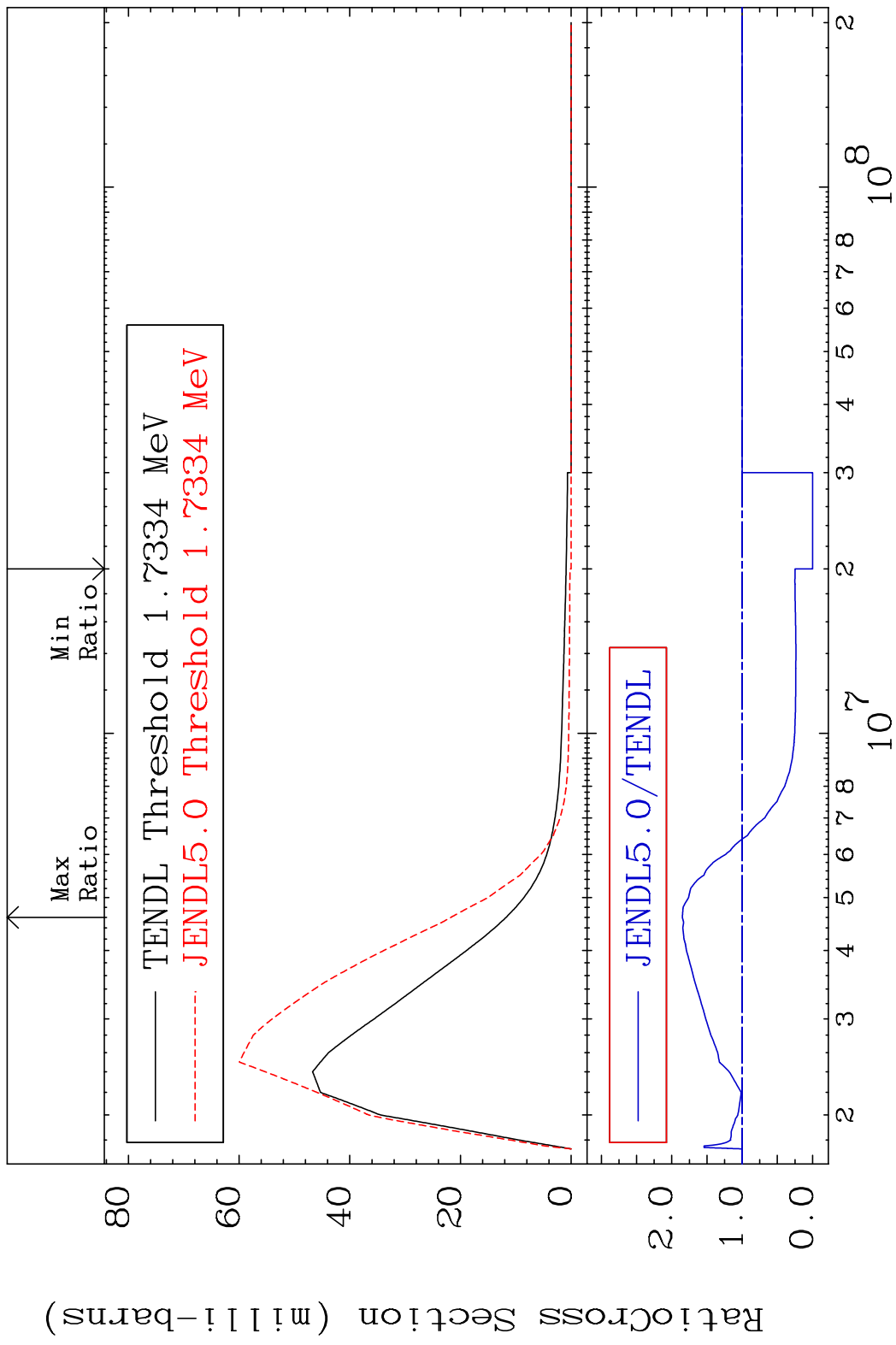
MAT 8043 MT= 65 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 9999. %



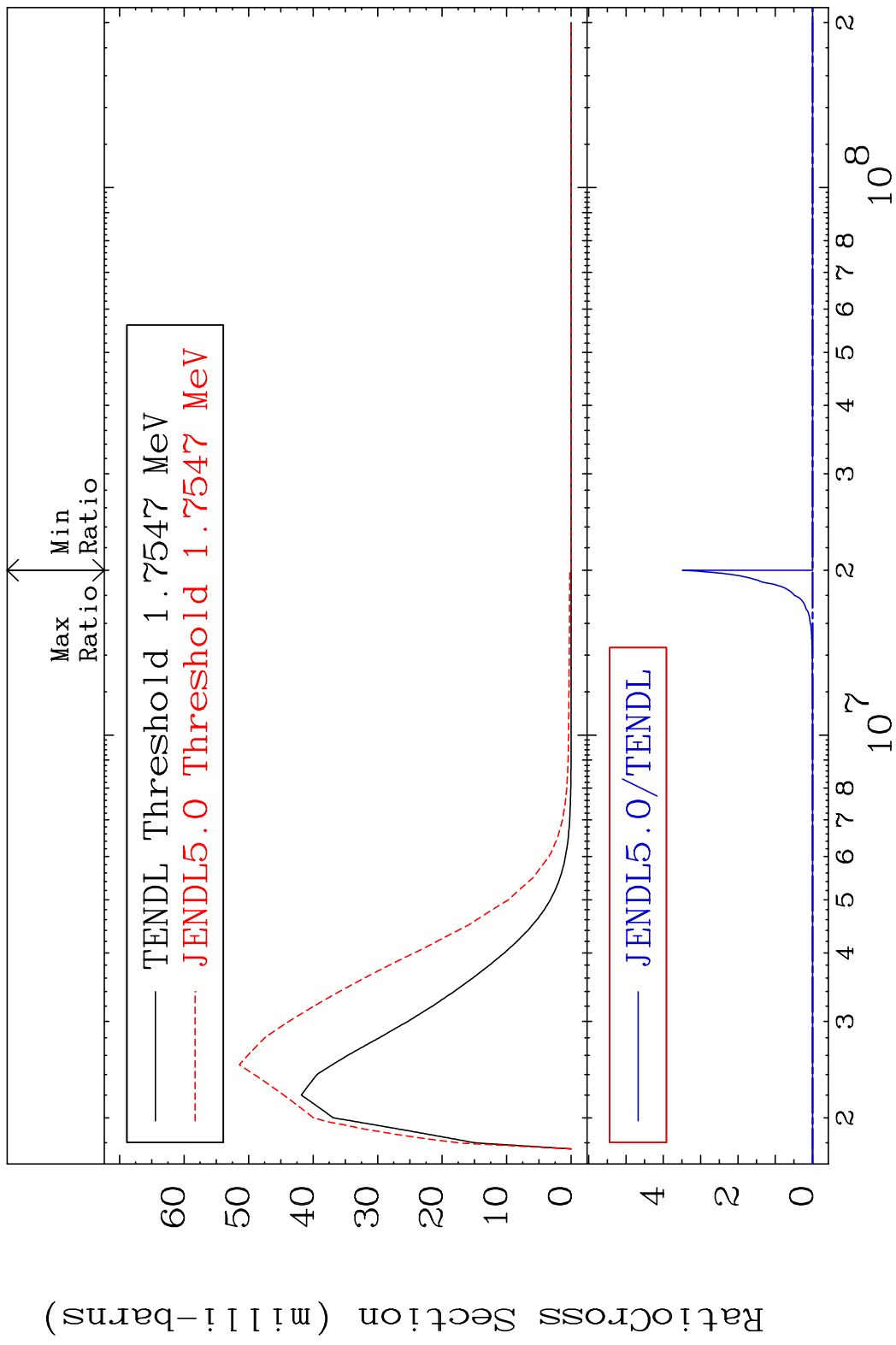
MAT 8043 MT= 66 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 9999. %



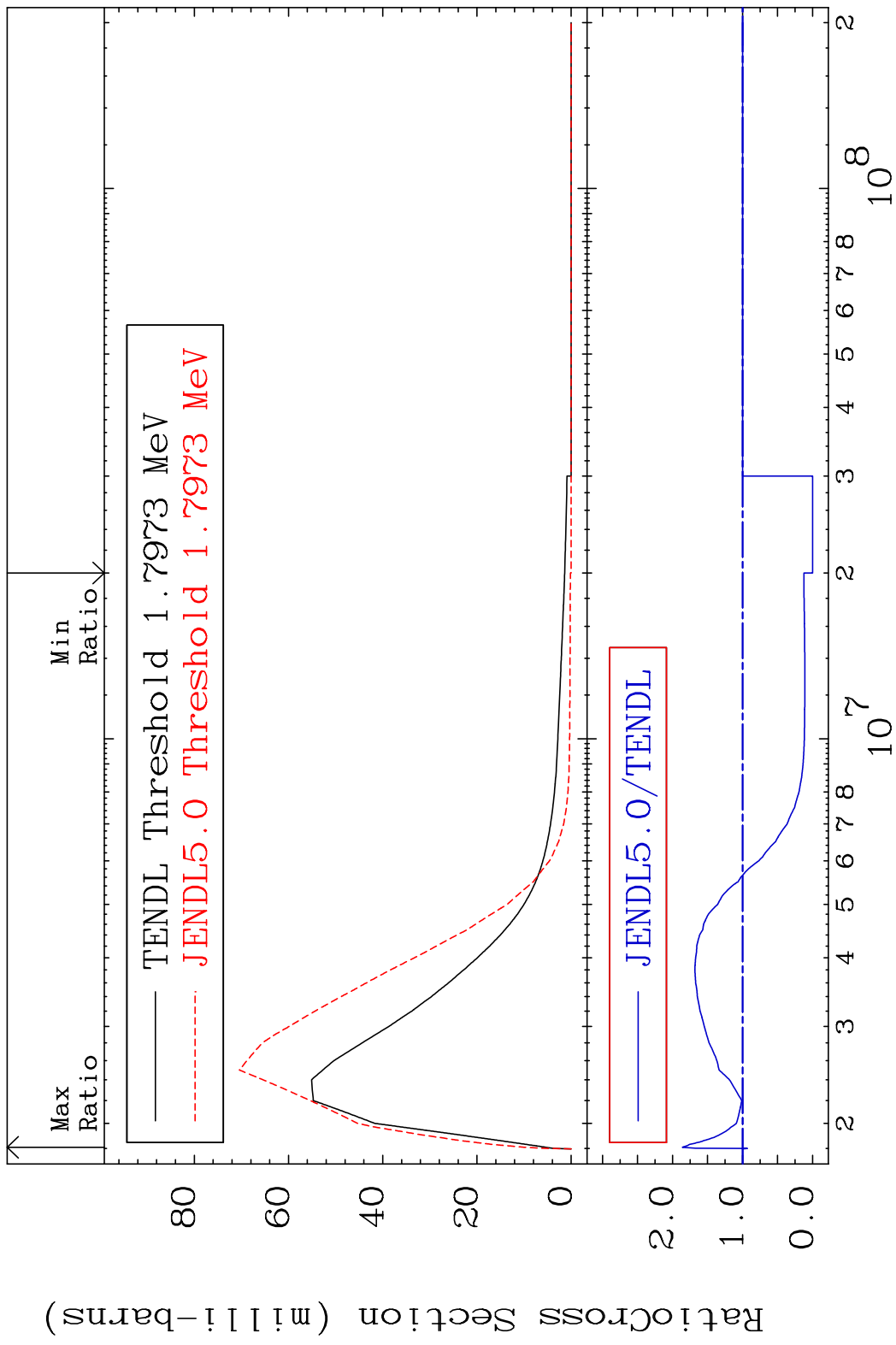
MAT 8043 MT= 67 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 84.96 %



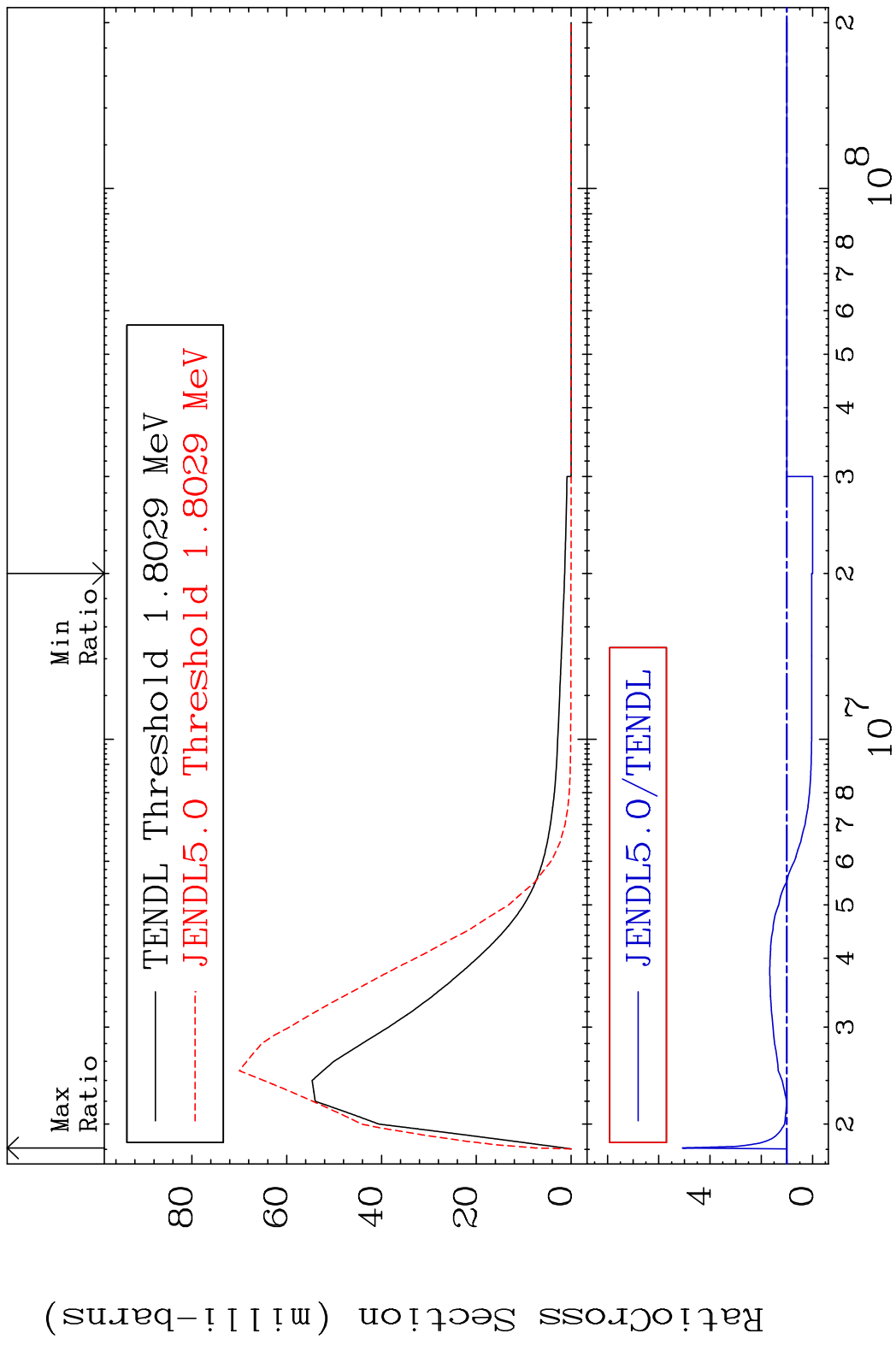
MAT 8043 MT= 68 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 9999. %



MAT 8043 MT= 69 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 86.01 %



MAT 8043 MT= 70 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 407.9 %

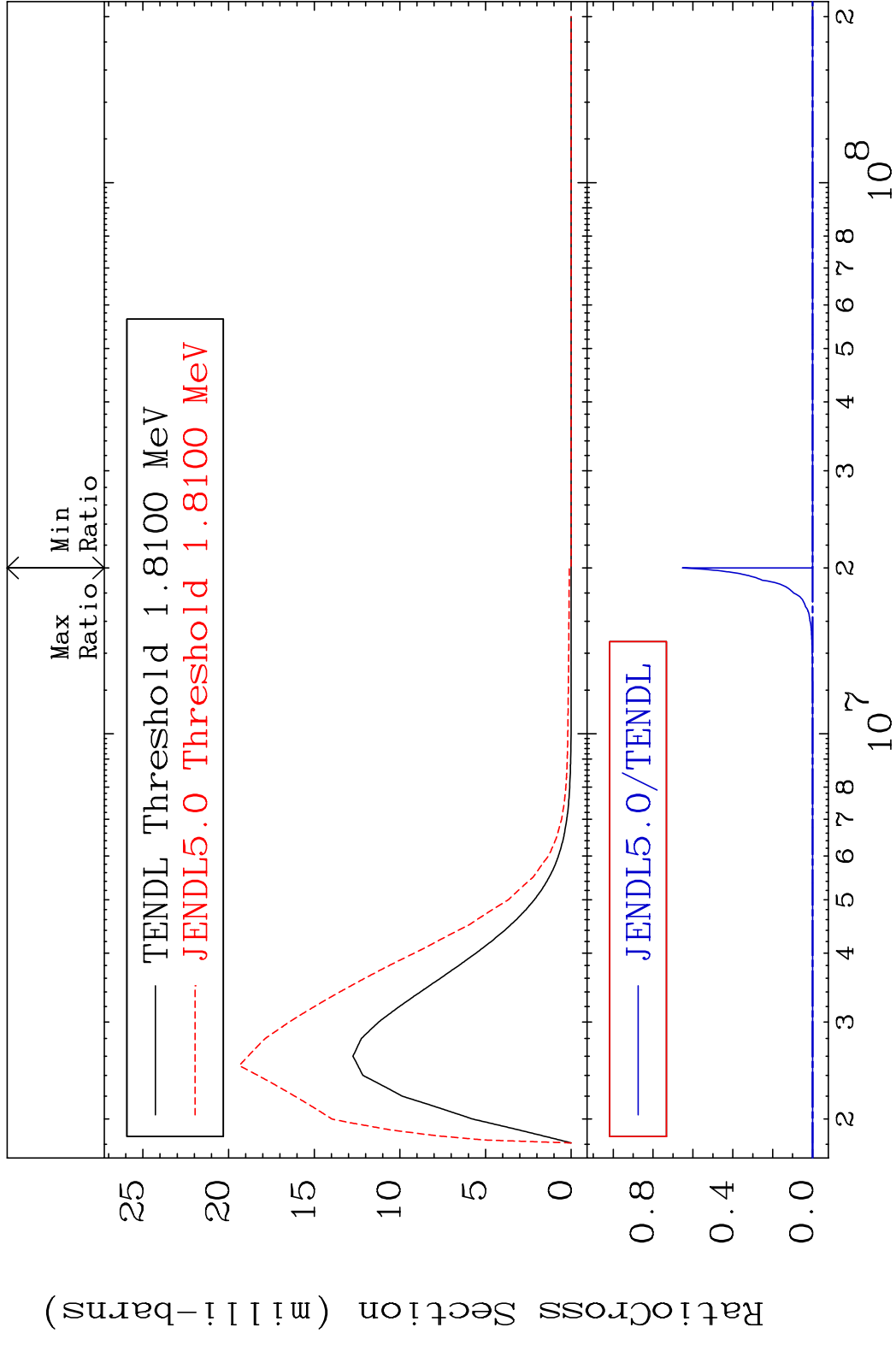


30

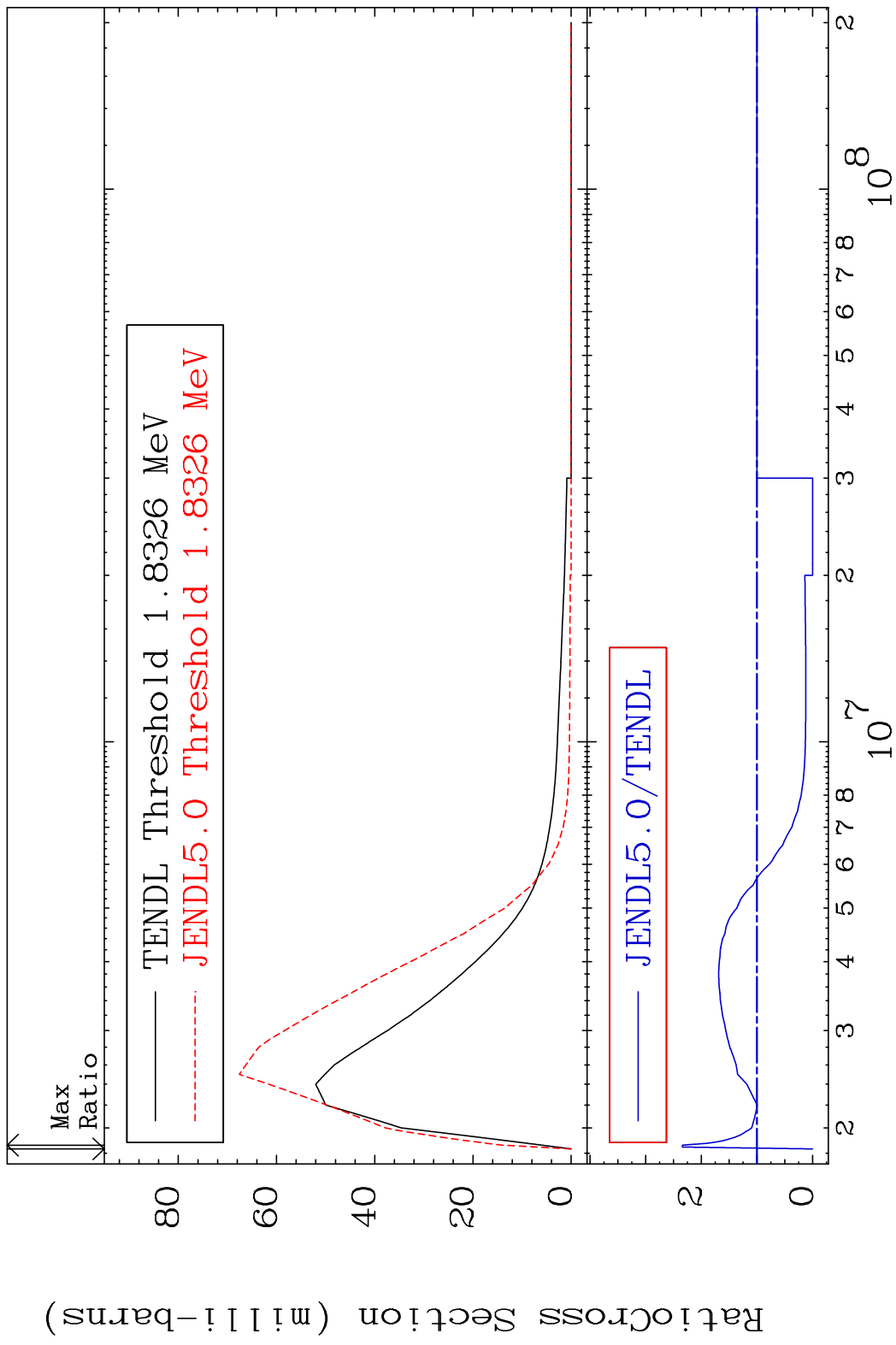
Incident Energy (eV)

80-Hg-202

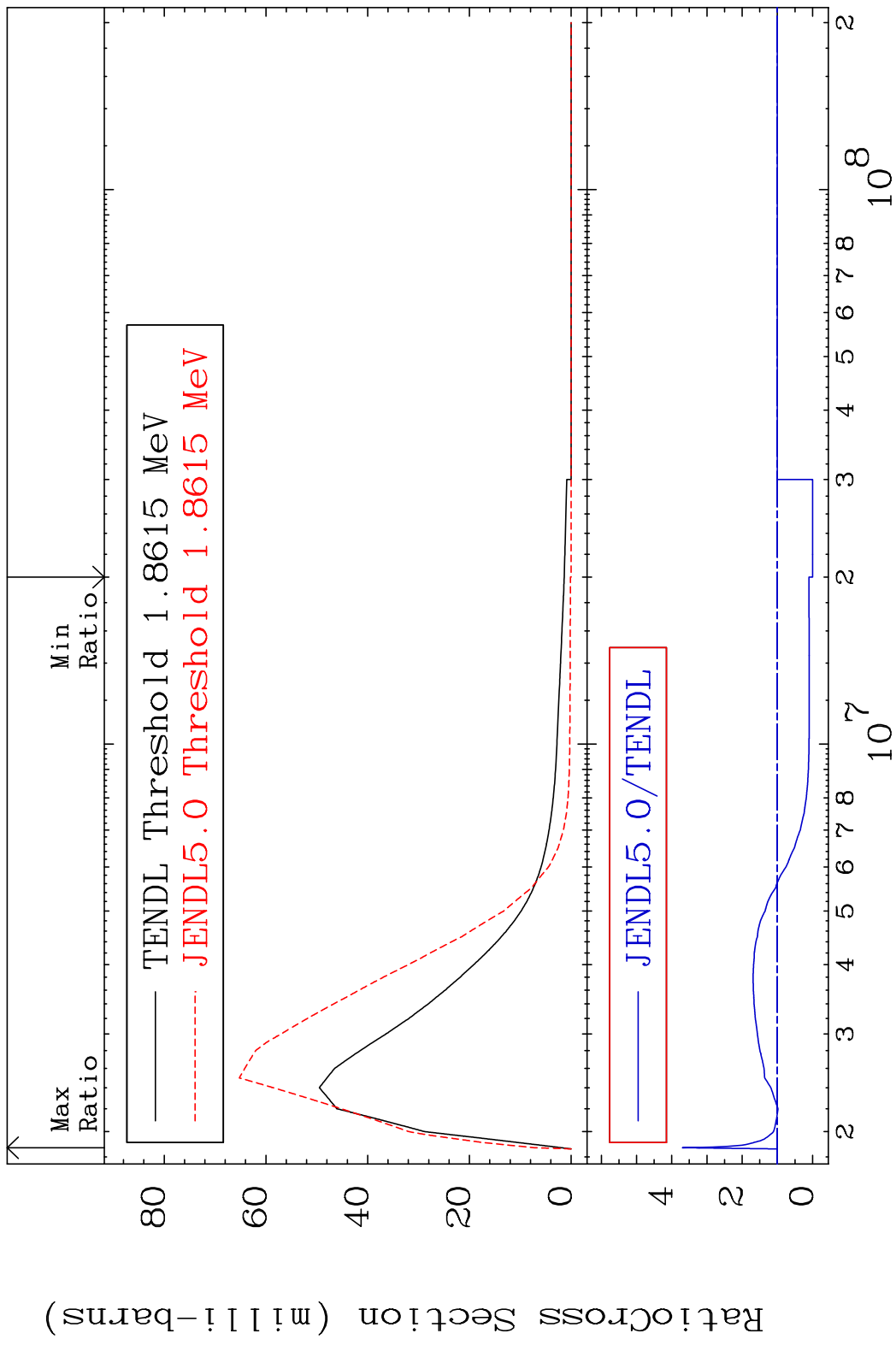
MAT 8043 MT= 71 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 9999. %



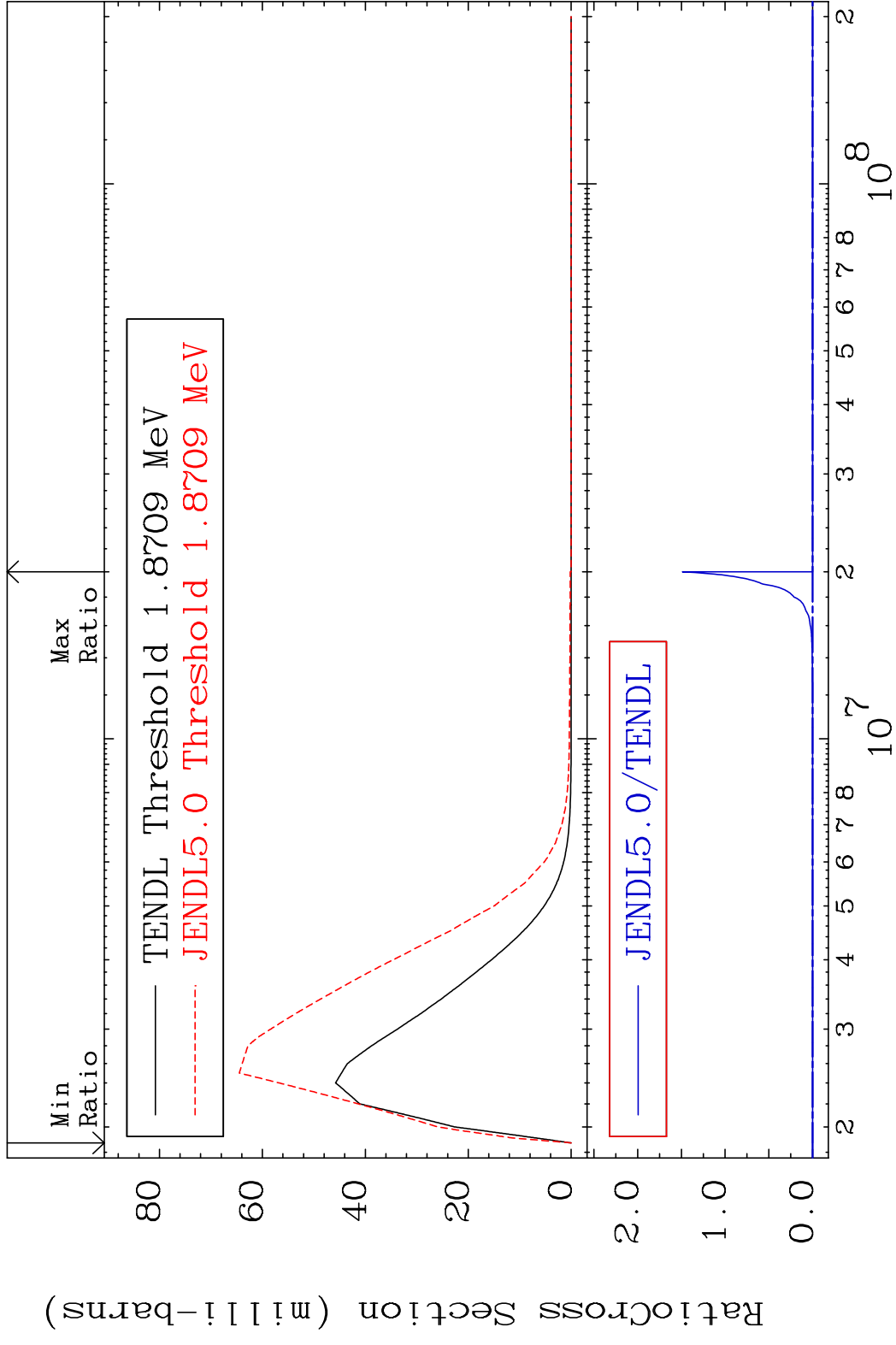
MAT 8043 MT= 72 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 134.1 %



MAT 8043 MT= 73 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 269.8 %



MAT 8043 MT= 74 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 9999. %

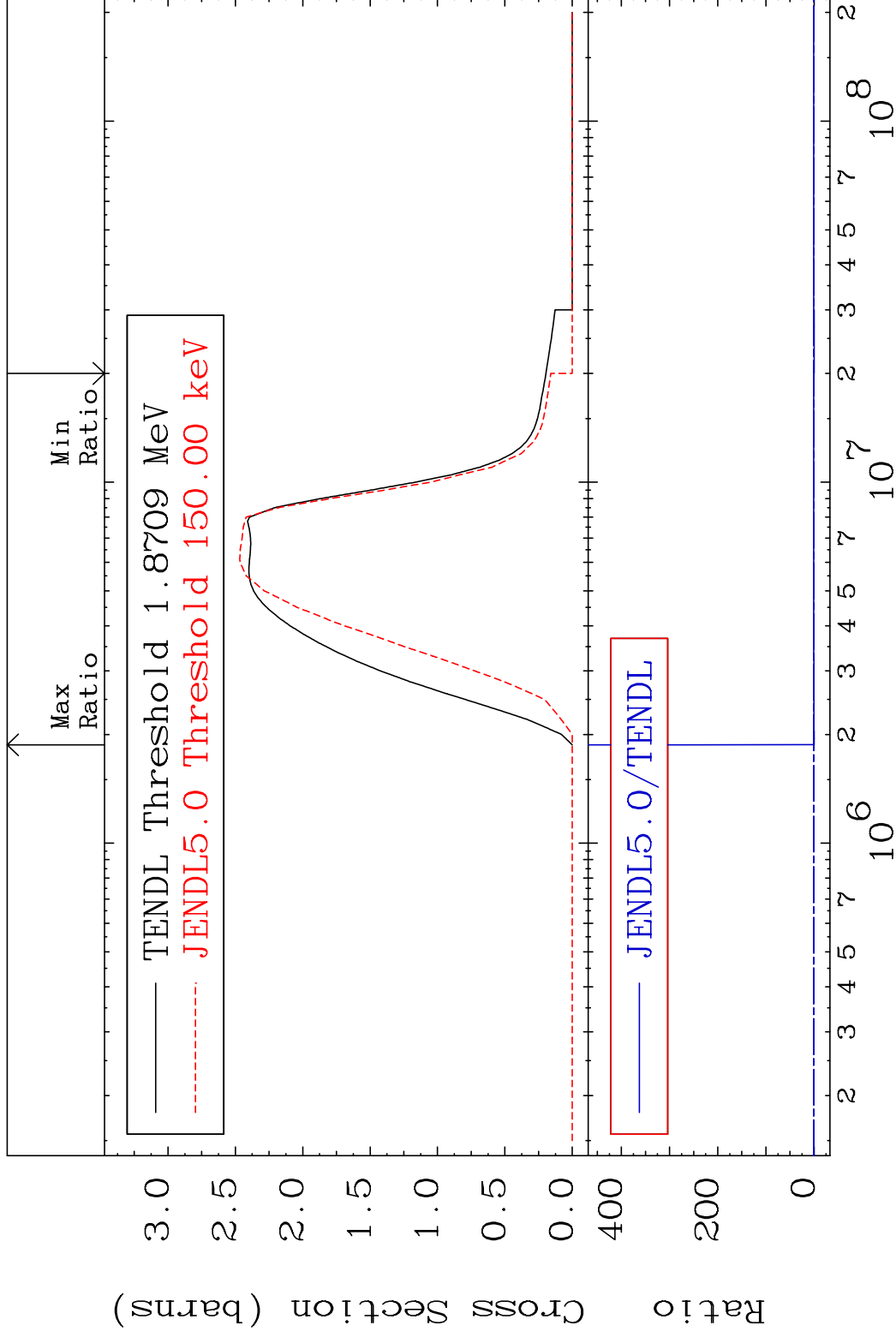


MAT 8043

(n, n') Continuum

80-Hg-202

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

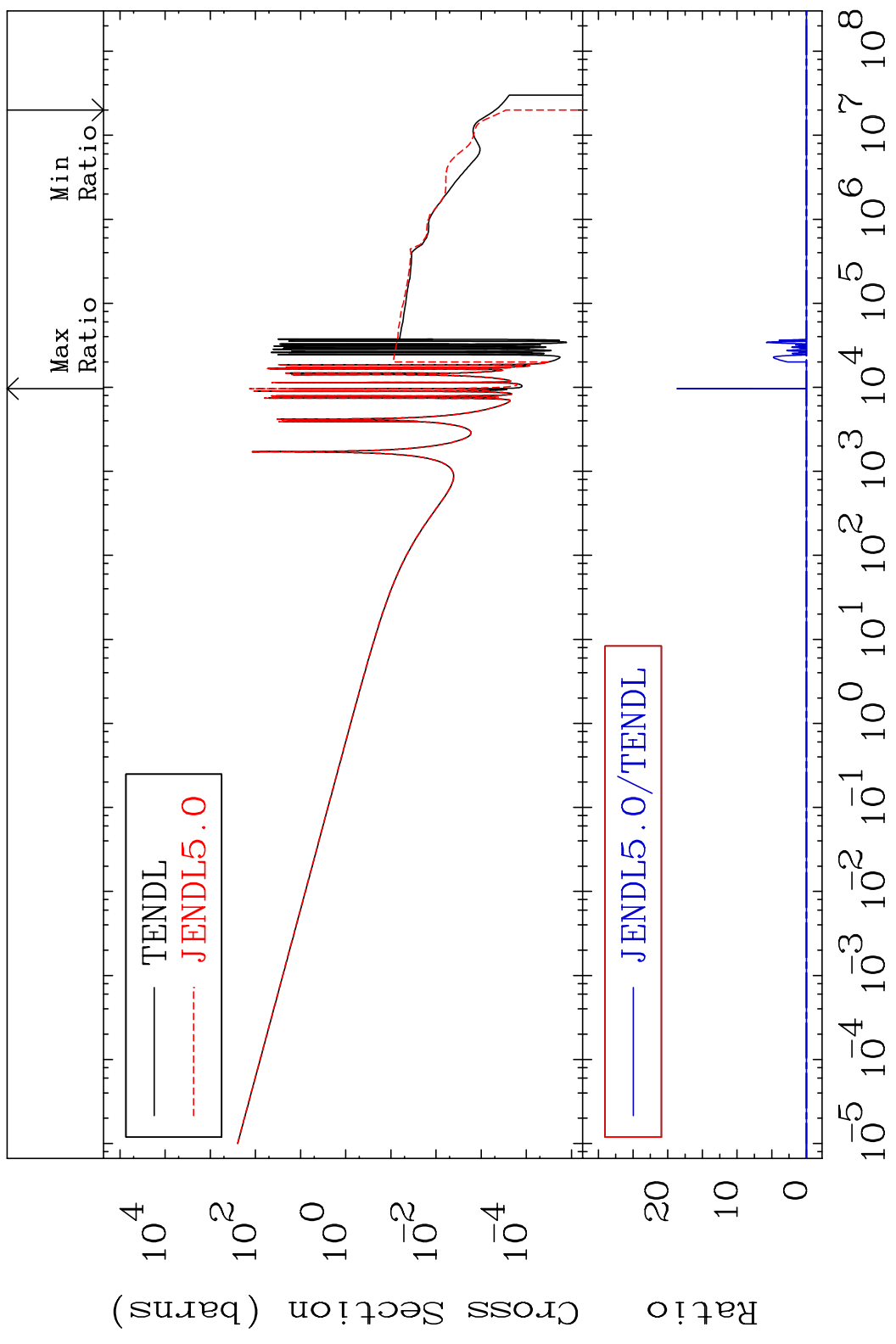
80-Hg-202

MAT 8043

(n, γ)

80-Hg-202

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

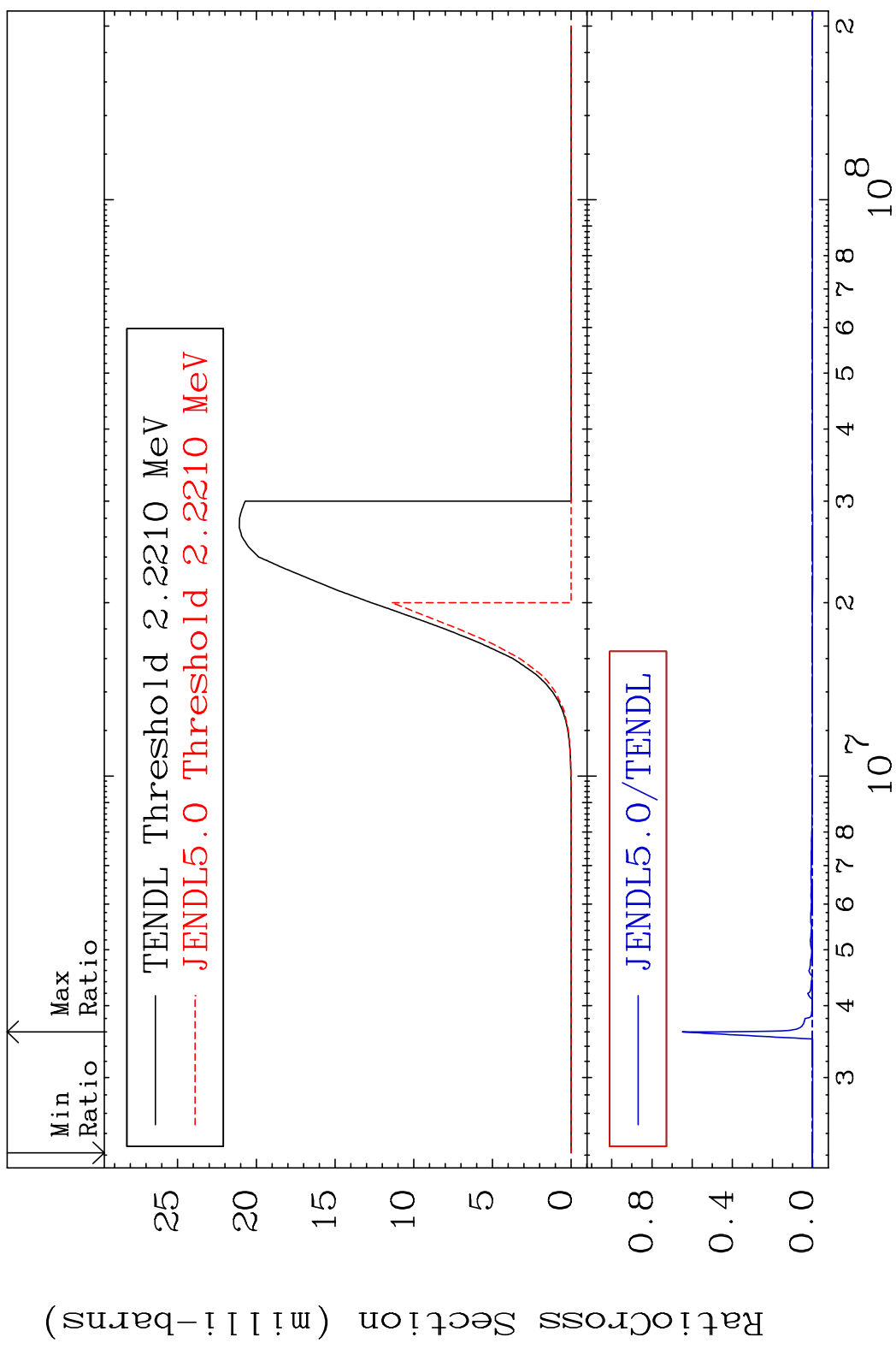
80-Hg-202

MAT 8043

(n, p)

80-Hg-202

Cross Section -100.0 To 9999. %

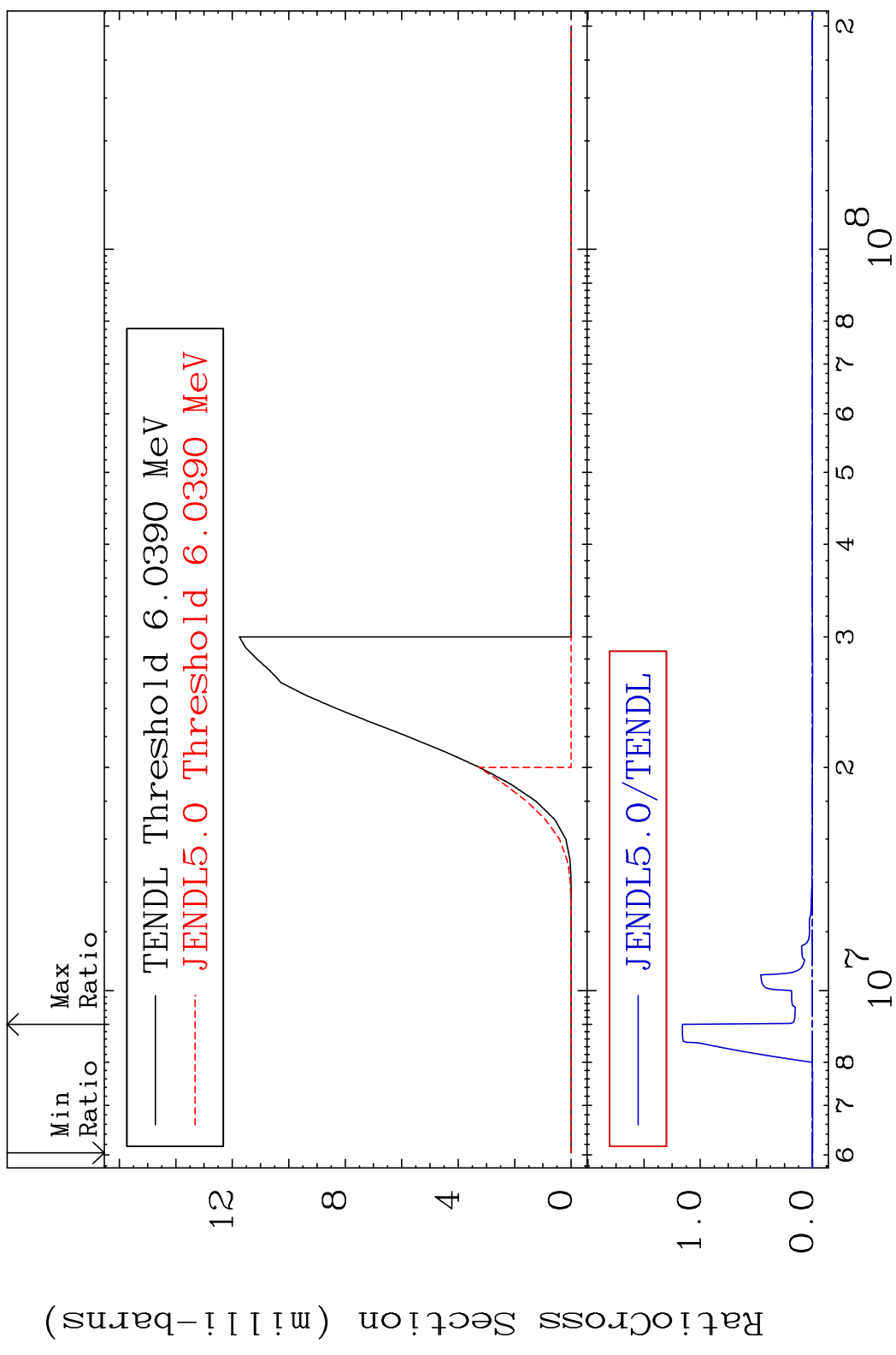


MAT 8043

(n,d)

80-Hg-202

Cross Section -100.0 To 9999. %

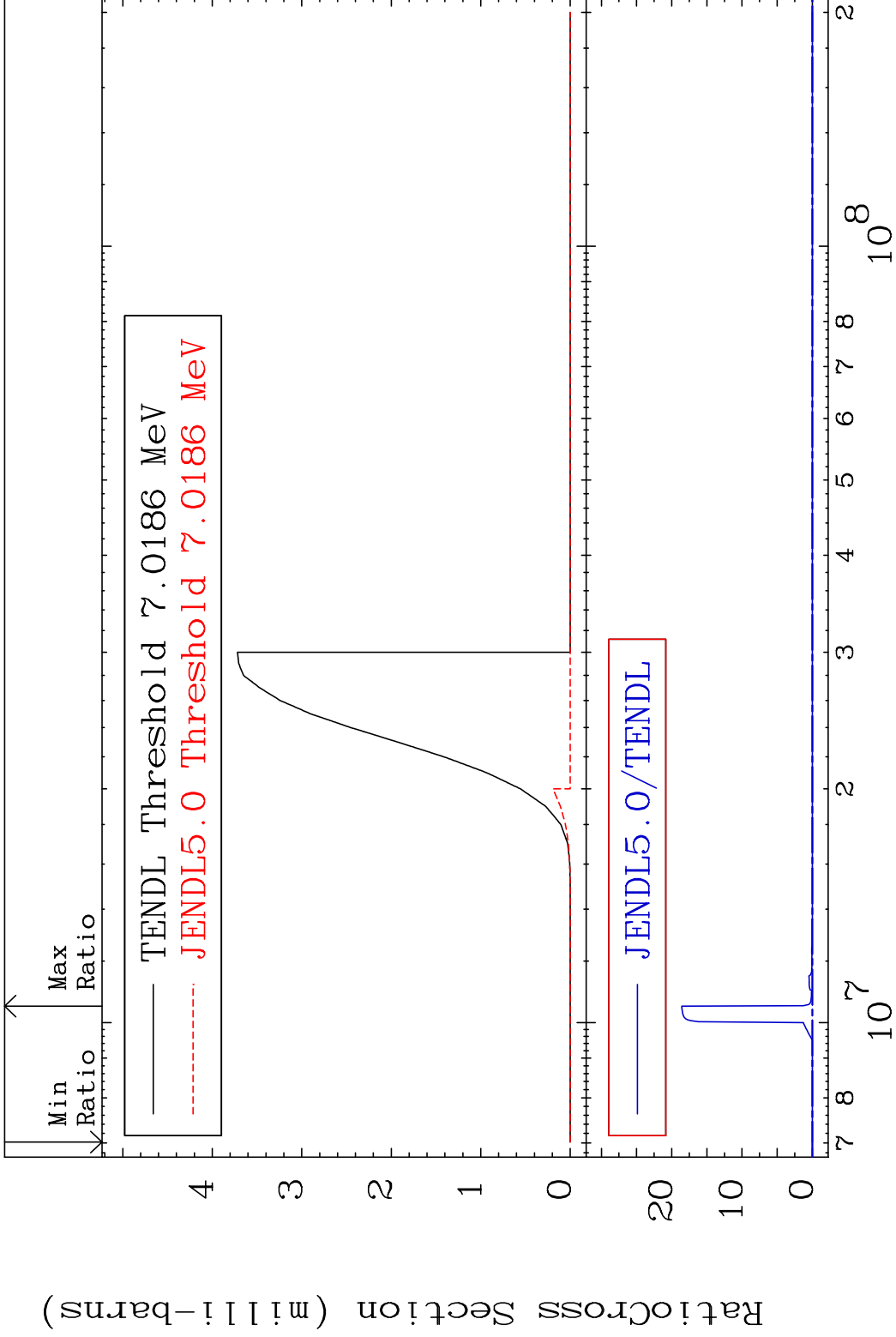


MAT 8043

(n, t)

80-Hg-202

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

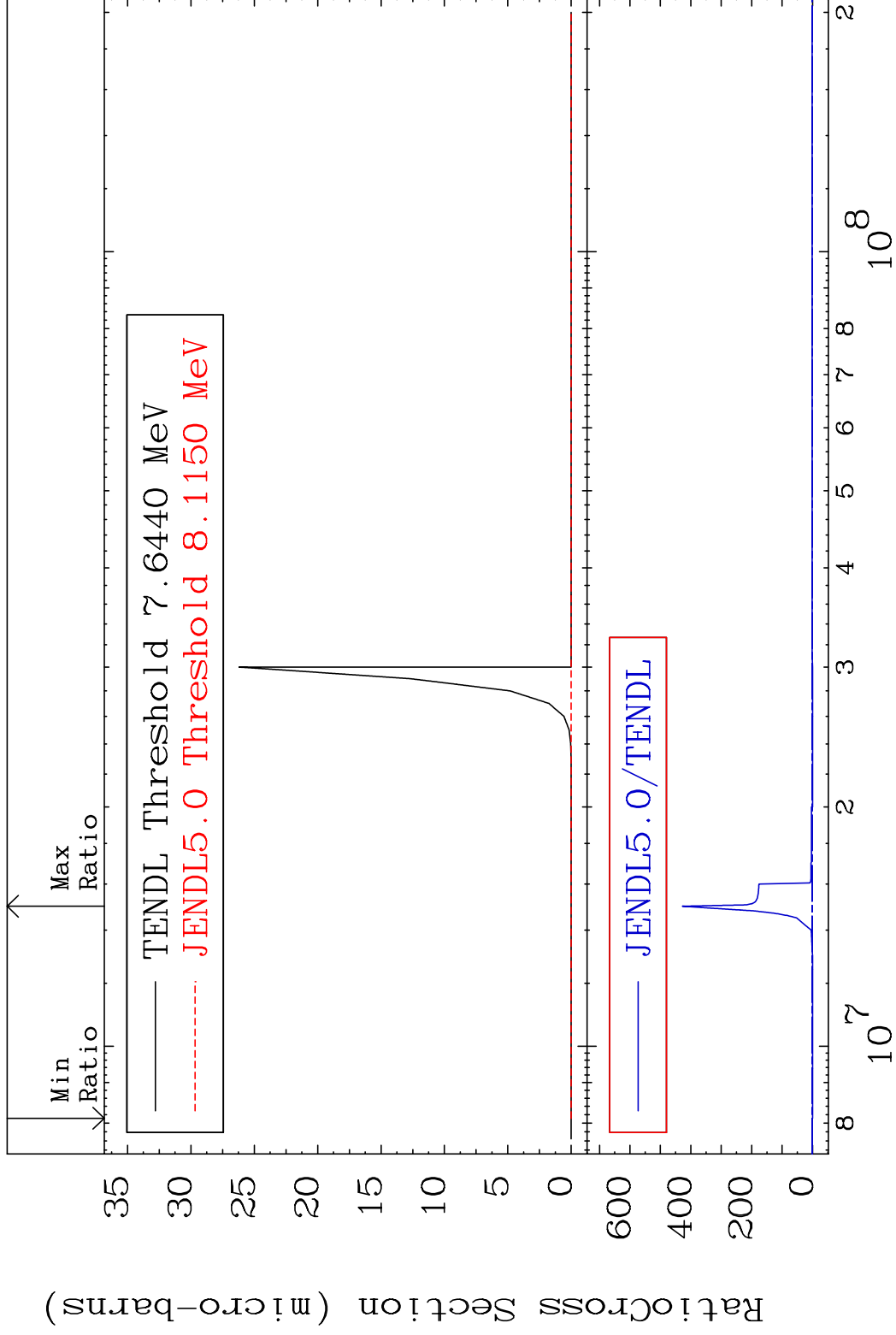
80-Hg-202

MAT 8043

(n, He-3)

80-Hg-202

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

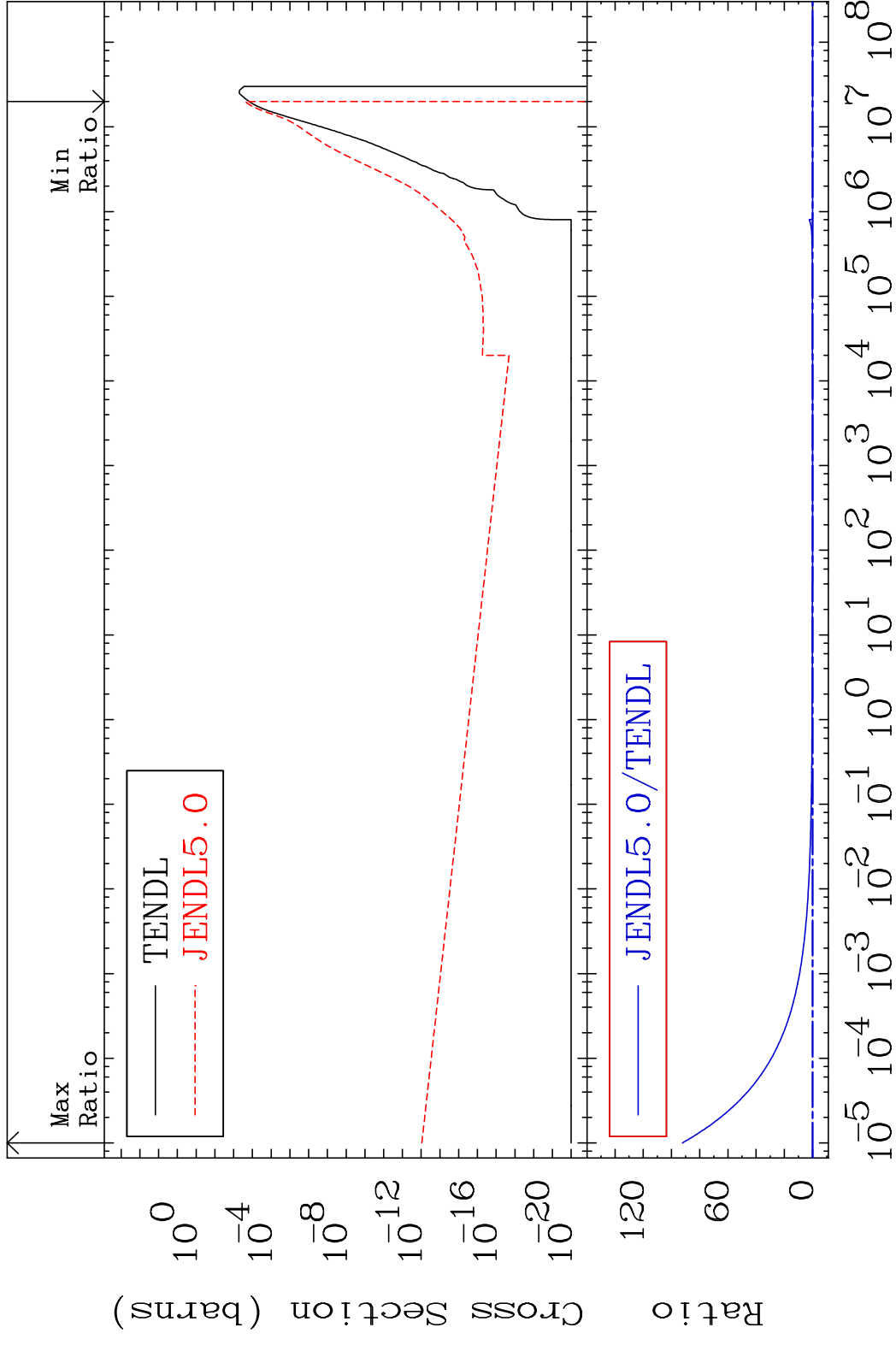
80-Hg-202

MAT 8043

(n, α)

80-Hg-202

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

80-Hg-202

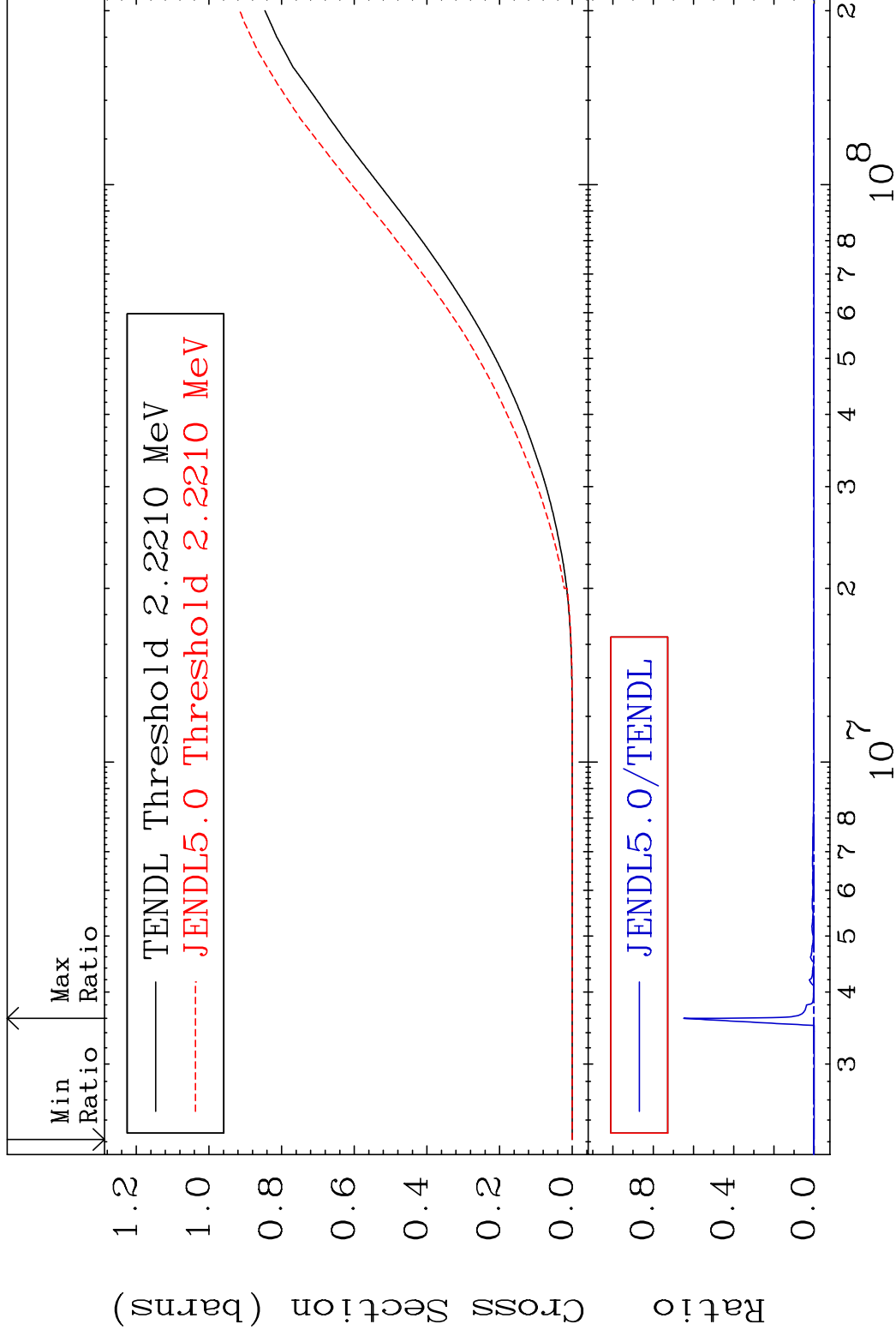
MAT 8043

Hydrogen Production

80-Hg-202

Cross Section

-100.0 To 9999. %



42

Incident Energy (eV)

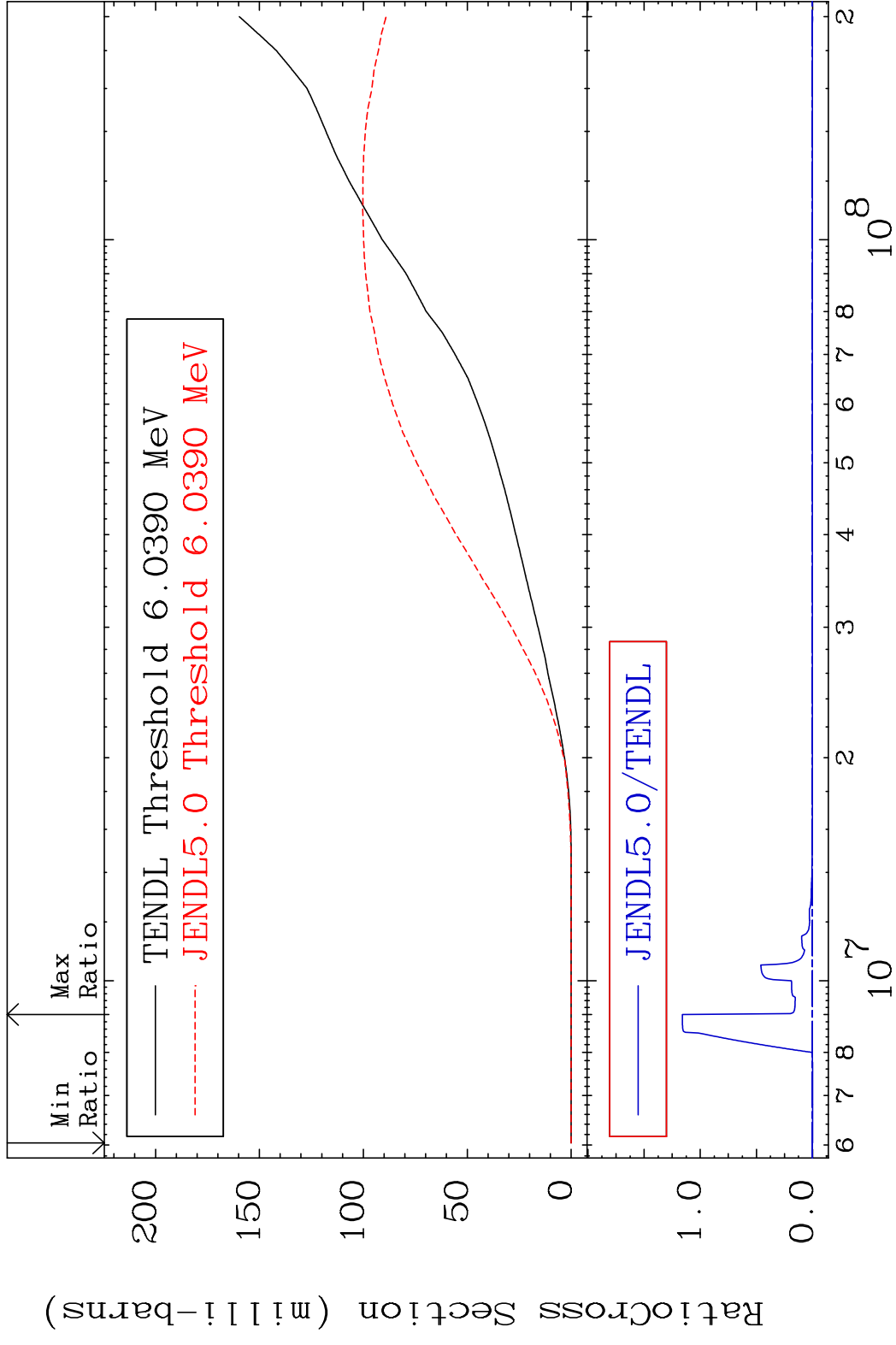
80-Hg-202

MAT 8043

Deuterium Production

80-Hg-202

Cross Section -100.0 To 9999. %

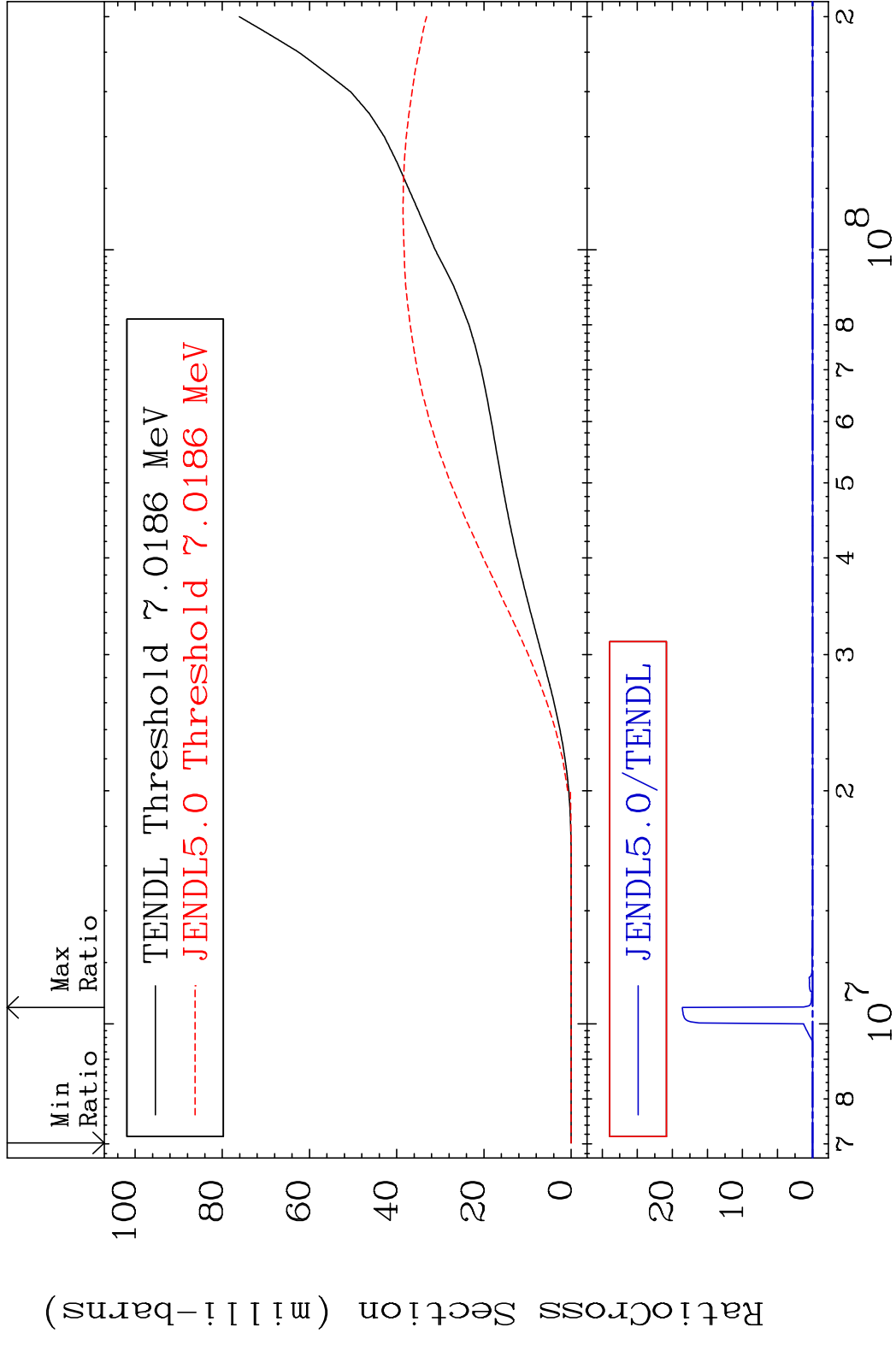


43

Incident Energy (eV)

80-Hg-202

MAT 8043 Tritium Production 80-Hg-202
 Cross Section -100.0 To 9999. %

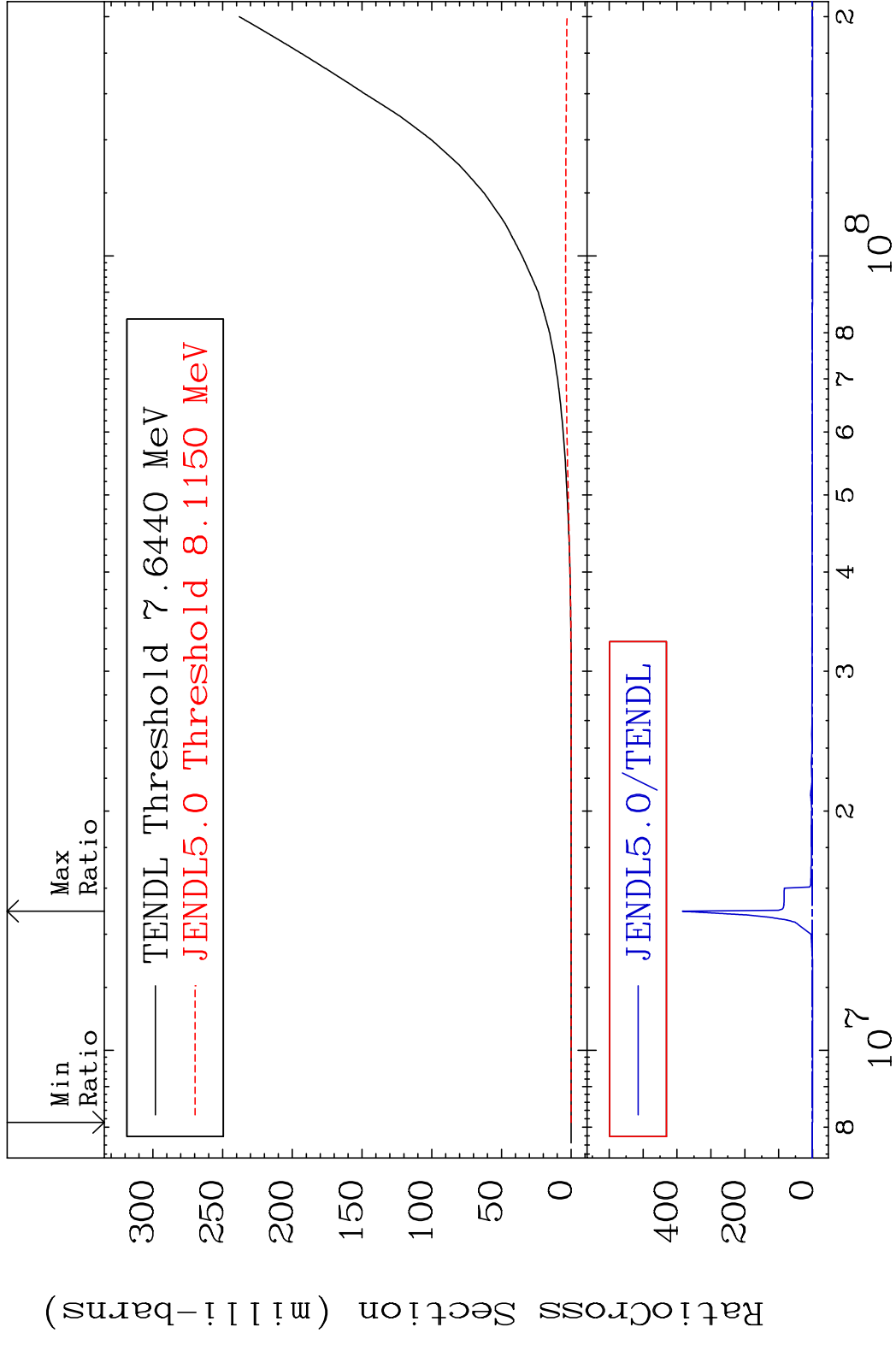


MAT 8043

He-3 Production

80-Hg-202

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

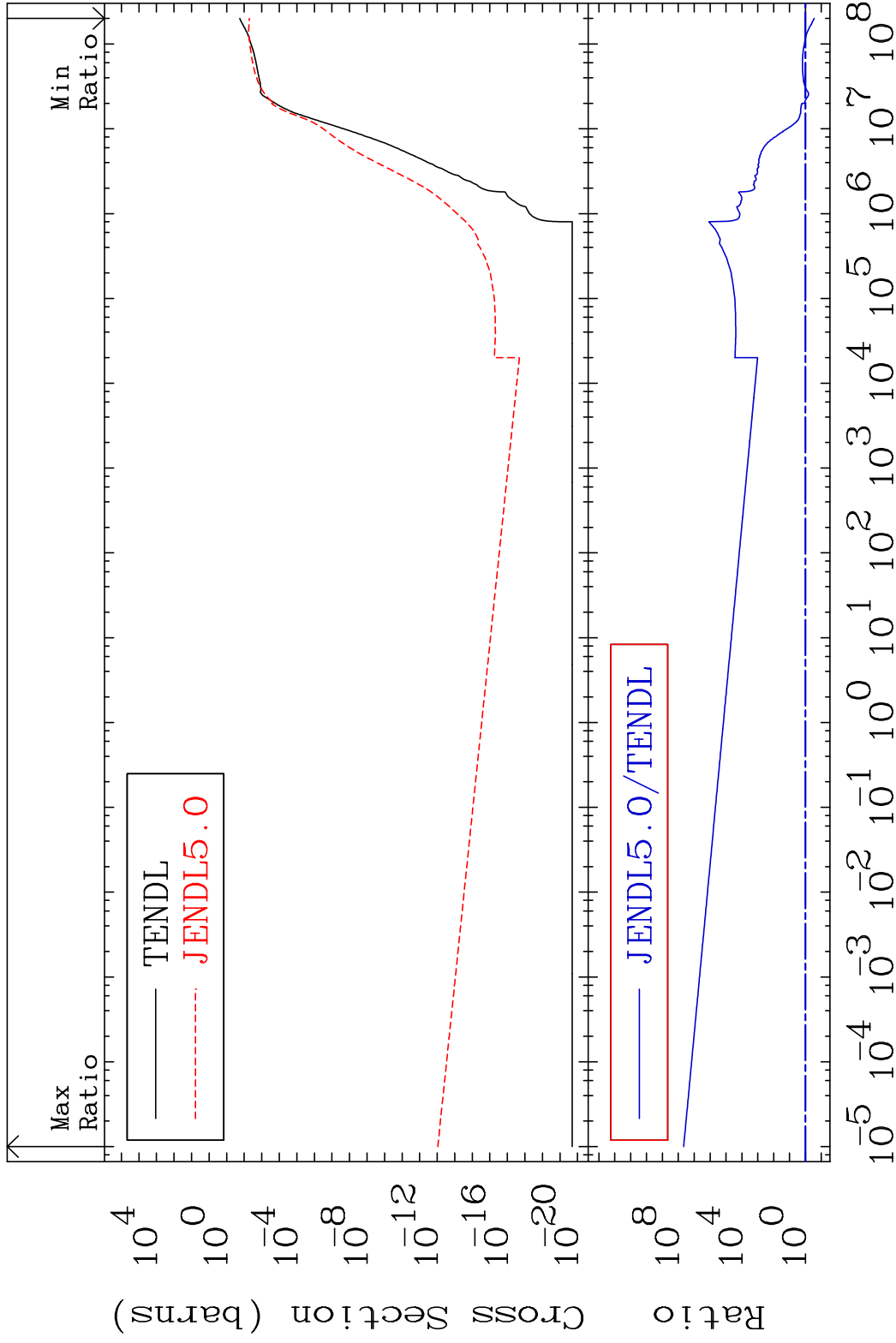
80-Hg-202

MAT 8043

He-4 Production

80-Hg-202

Cross Section -71.46 To 9999. %

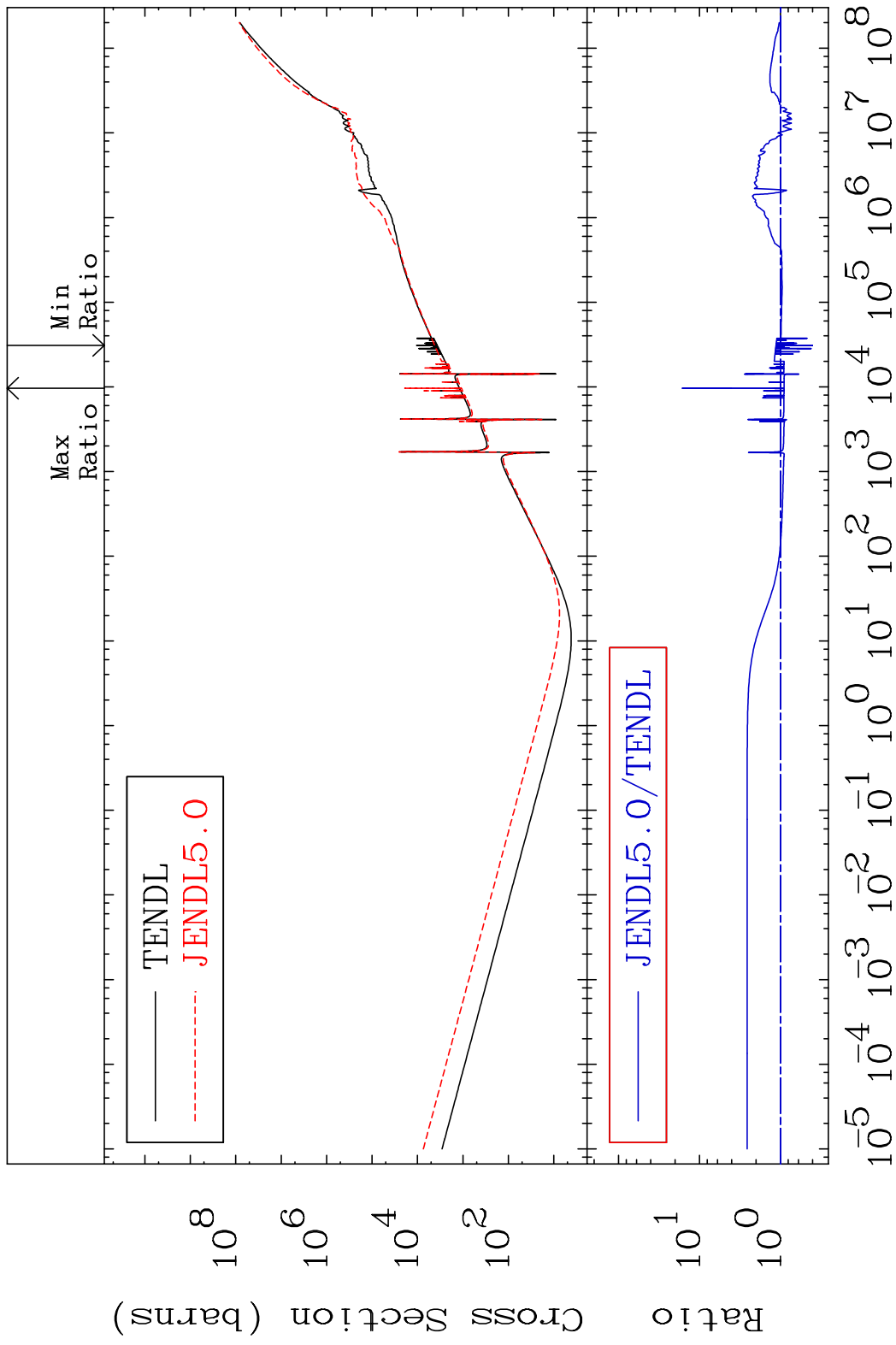


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Incident Energy (eV)

80-Hg-202

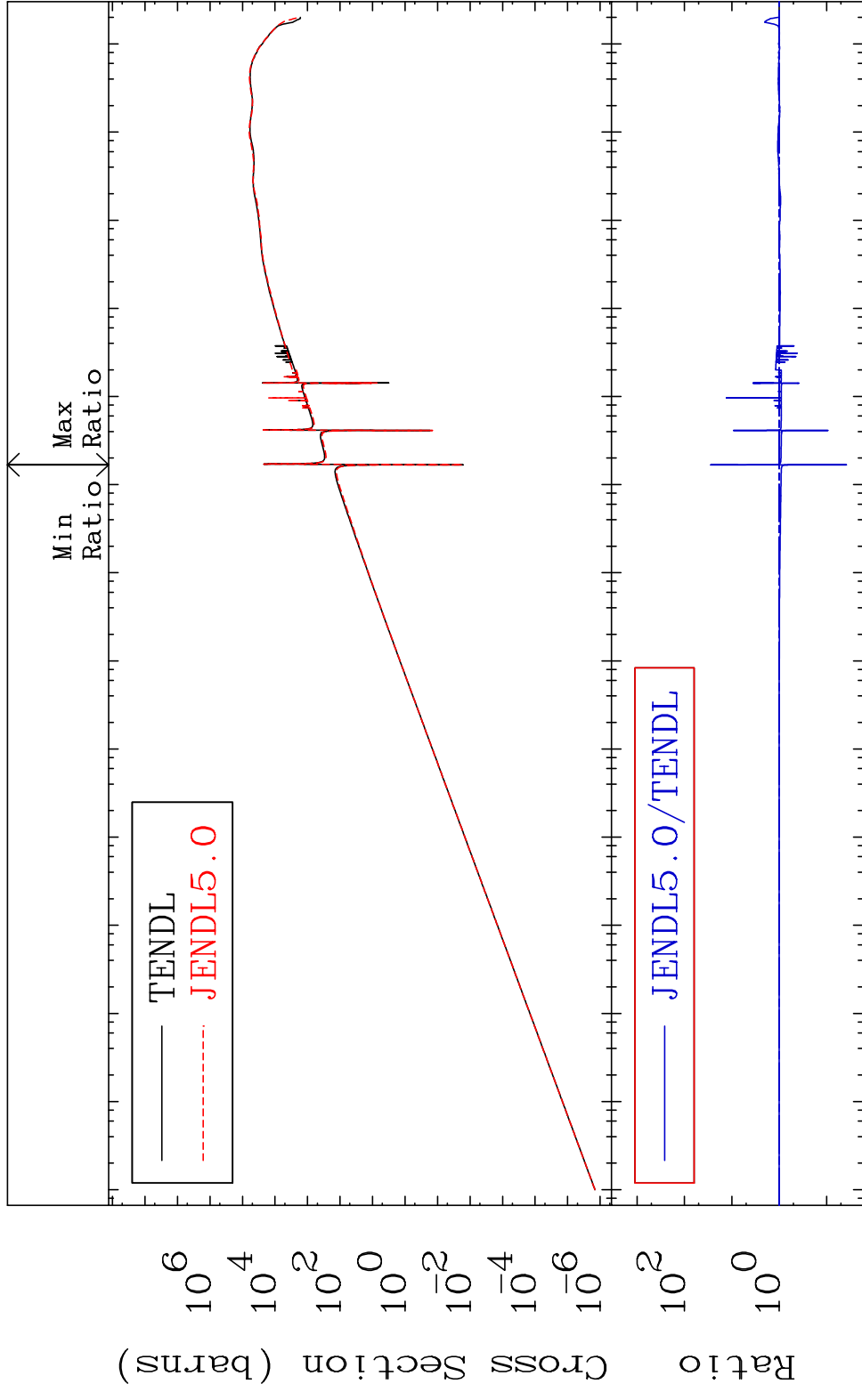
MAT 8043 Kerma total (eV-barns) 80-Hg-202
 Cross Section -59.89 To 1527. %



MAT 8043

Kerma elastic
Cross Section

80-Hg-202
-96.17 To 2693. %

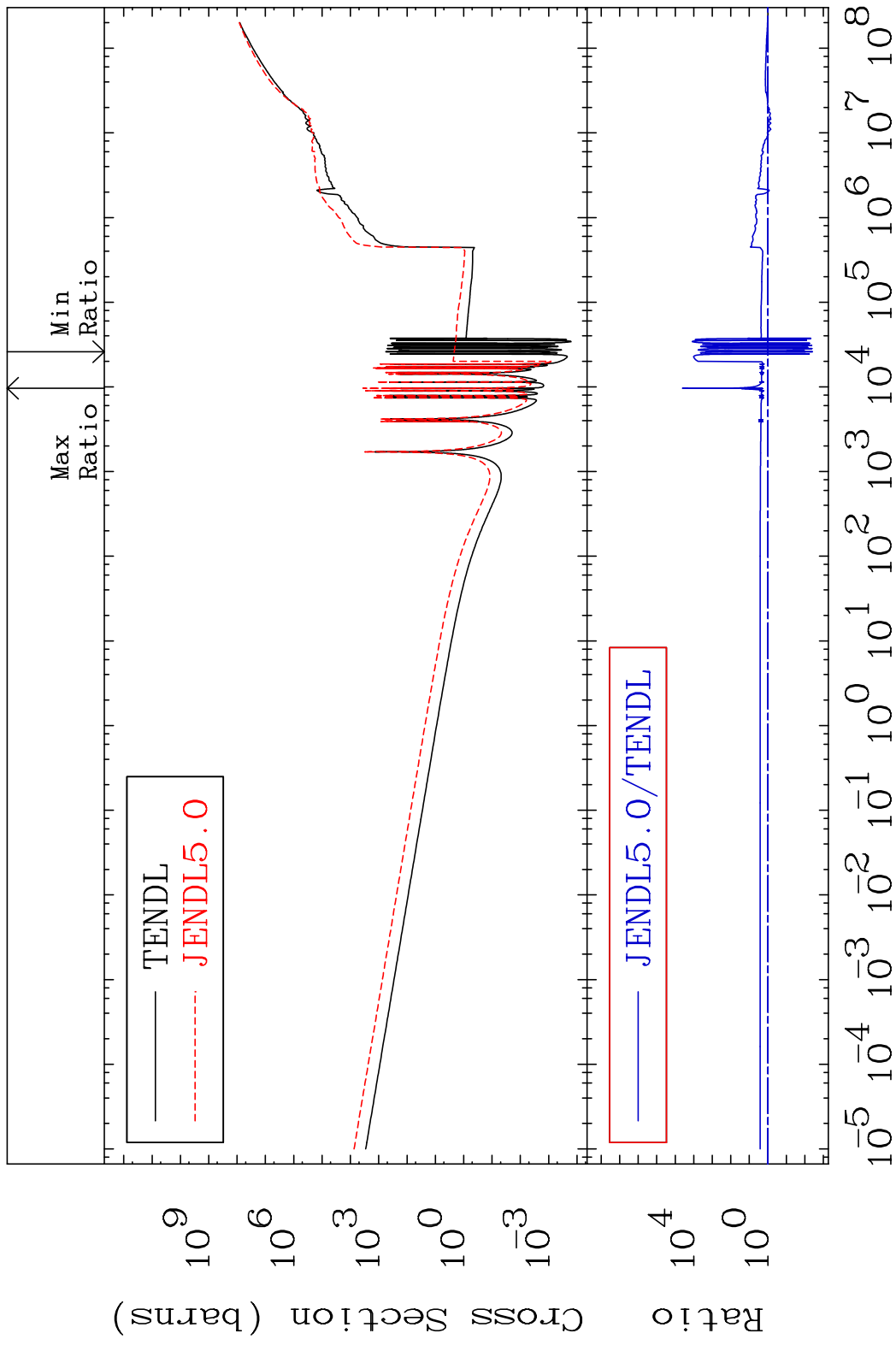


48

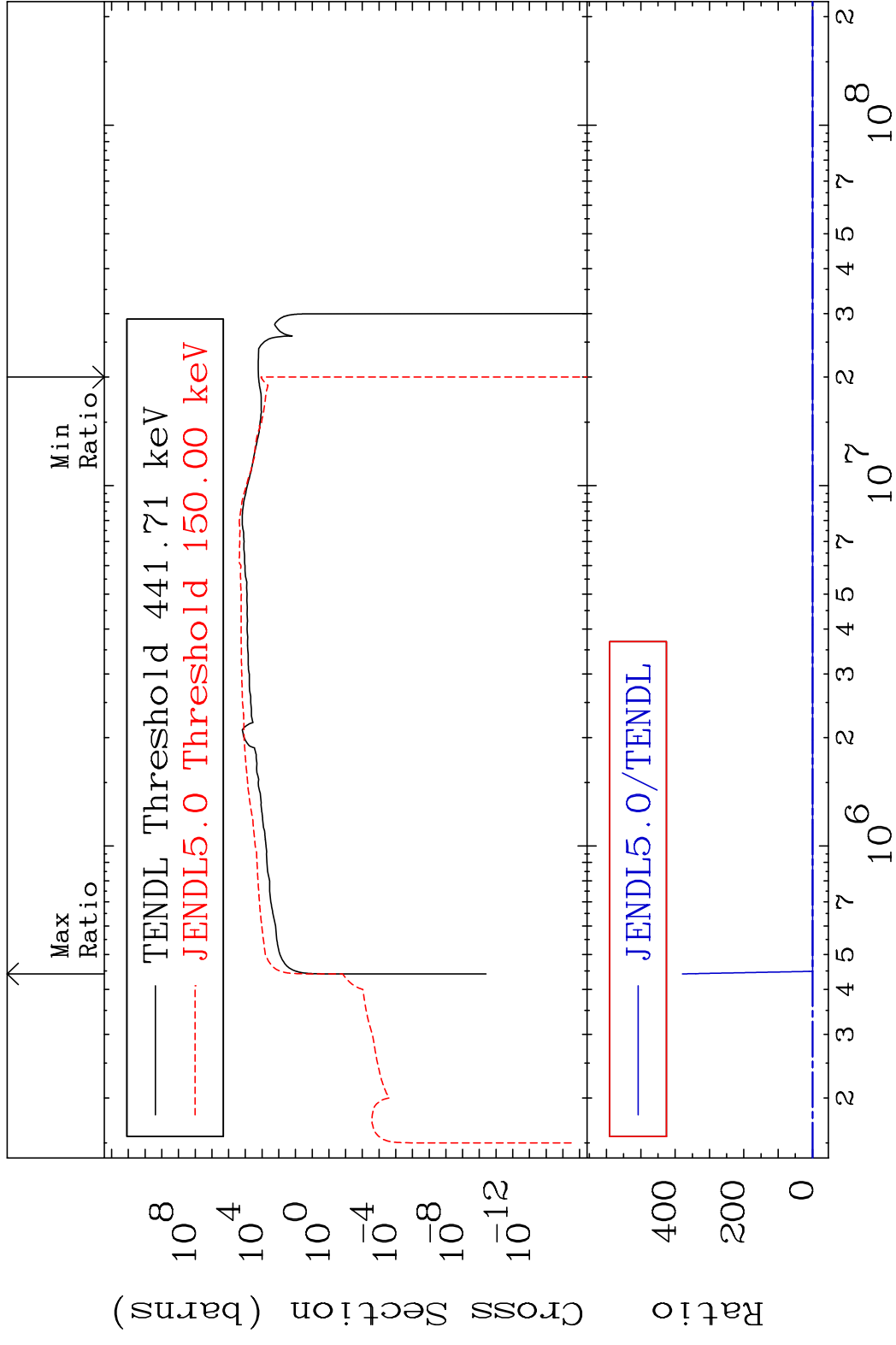
Incident Energy (eV)

80-Hg-202

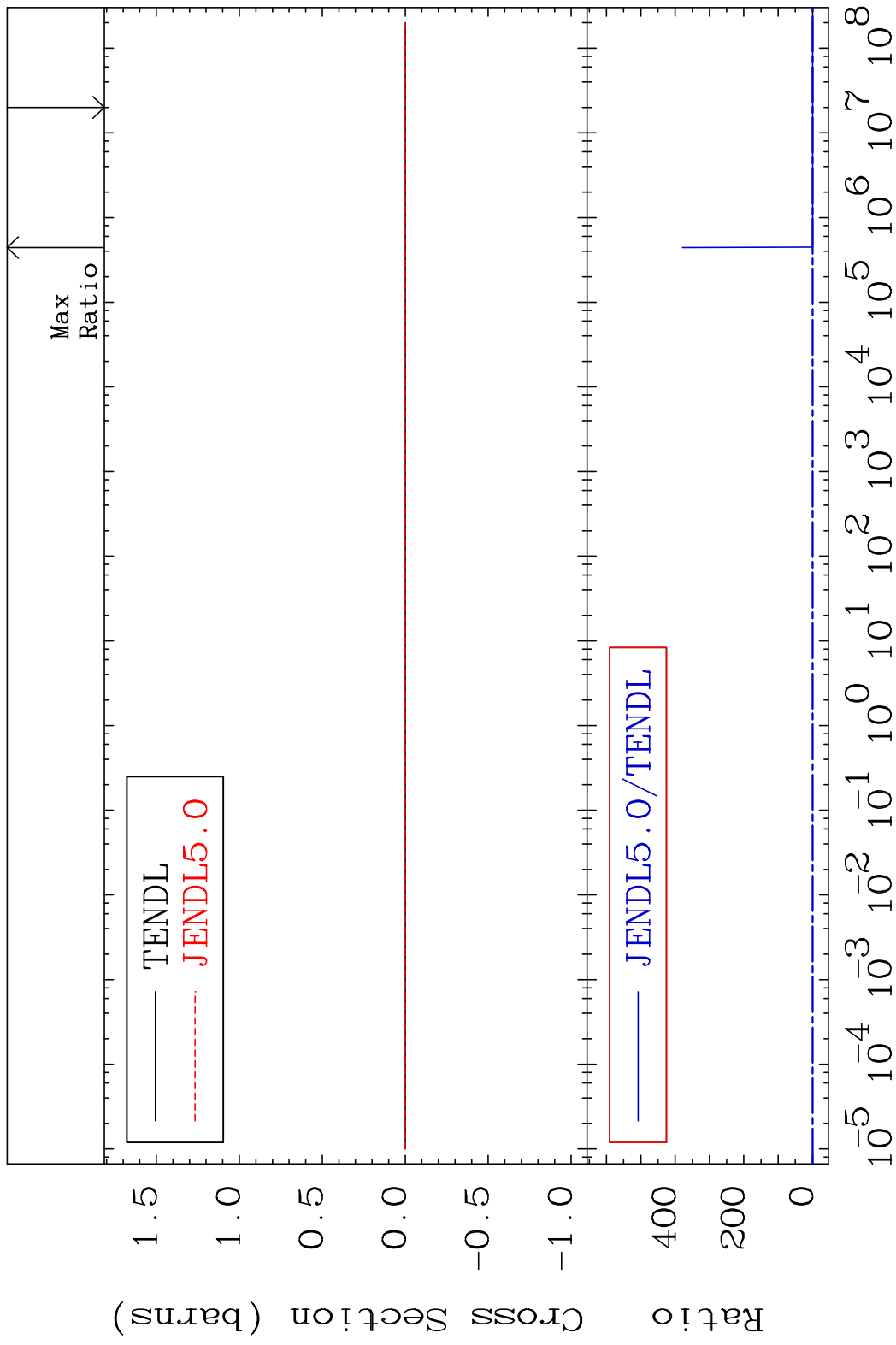
MAT 8043 Kerma non-elastic (all but mt2) 80-Hg-202
 Cross Section -99.62 To 9999. %



MAT 8043 Kerma inelastic (mt51-91) 80-Hg-202
 Cross Section -100.0 To 9999. %

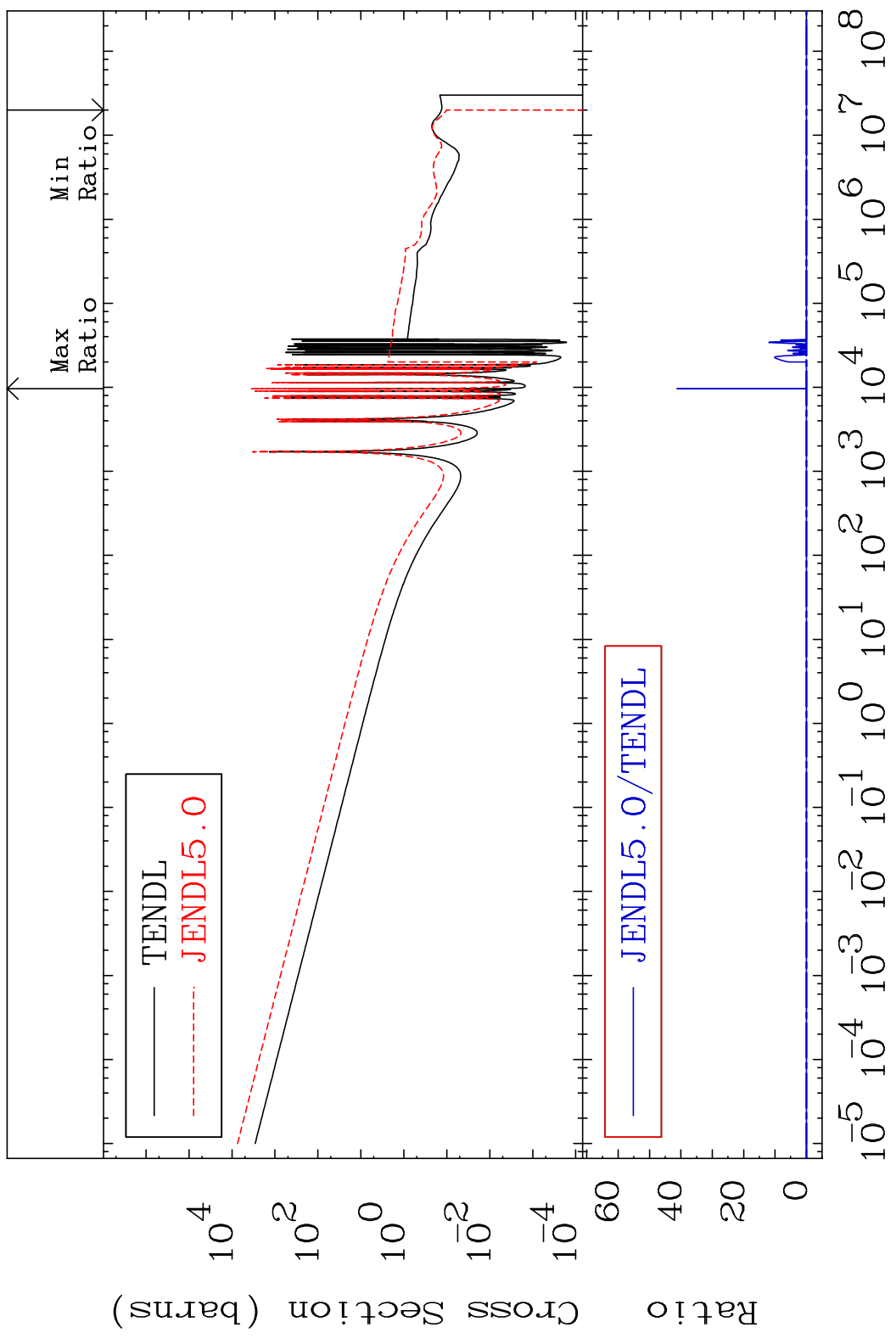


MAT 8043 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-202
 Cross Section -100.0 To 9999. %



MAT 8043

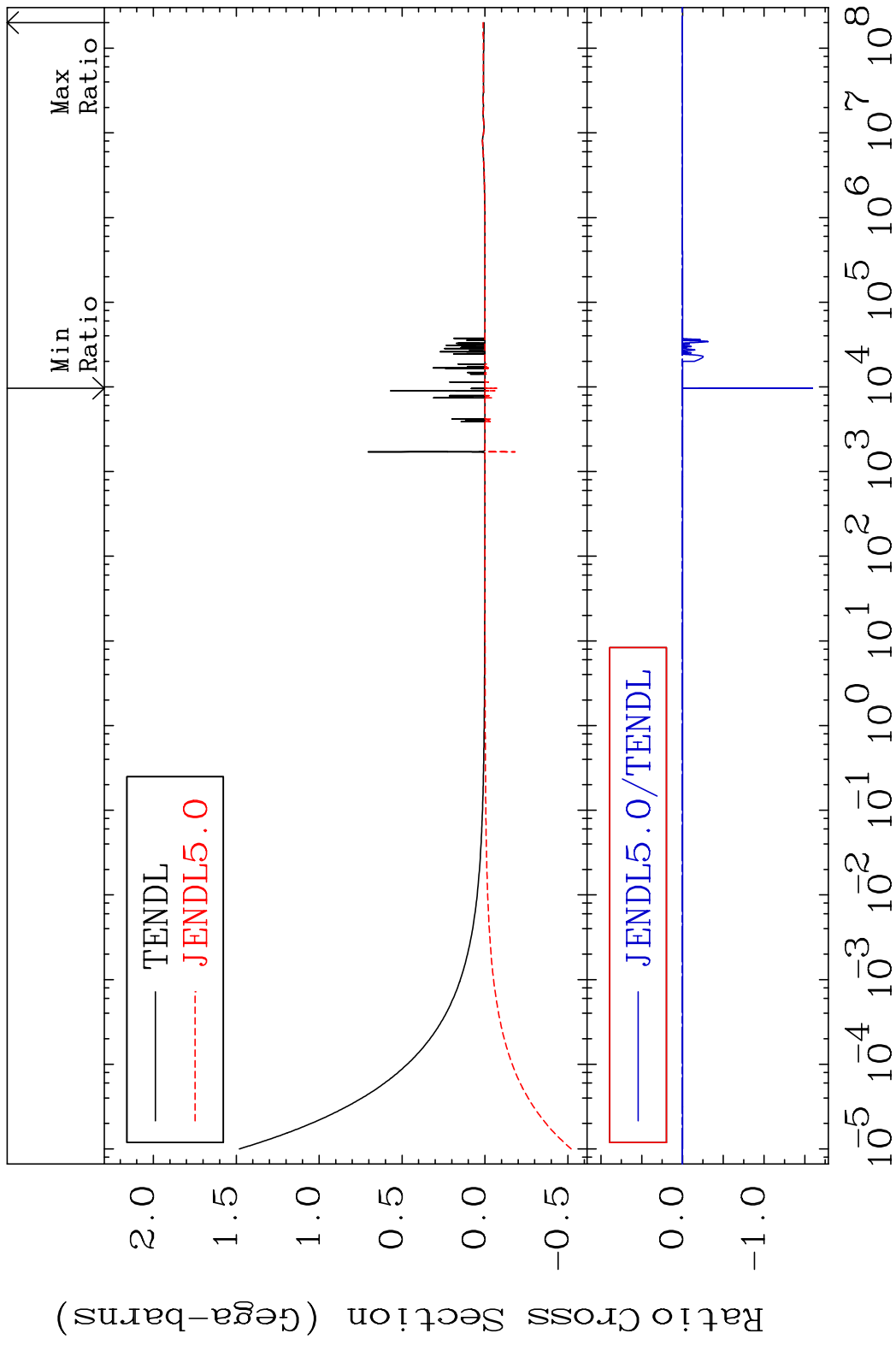
Kerma capture (mt102) 80-Hg-202
Cross Section -100.0 To 9999. %



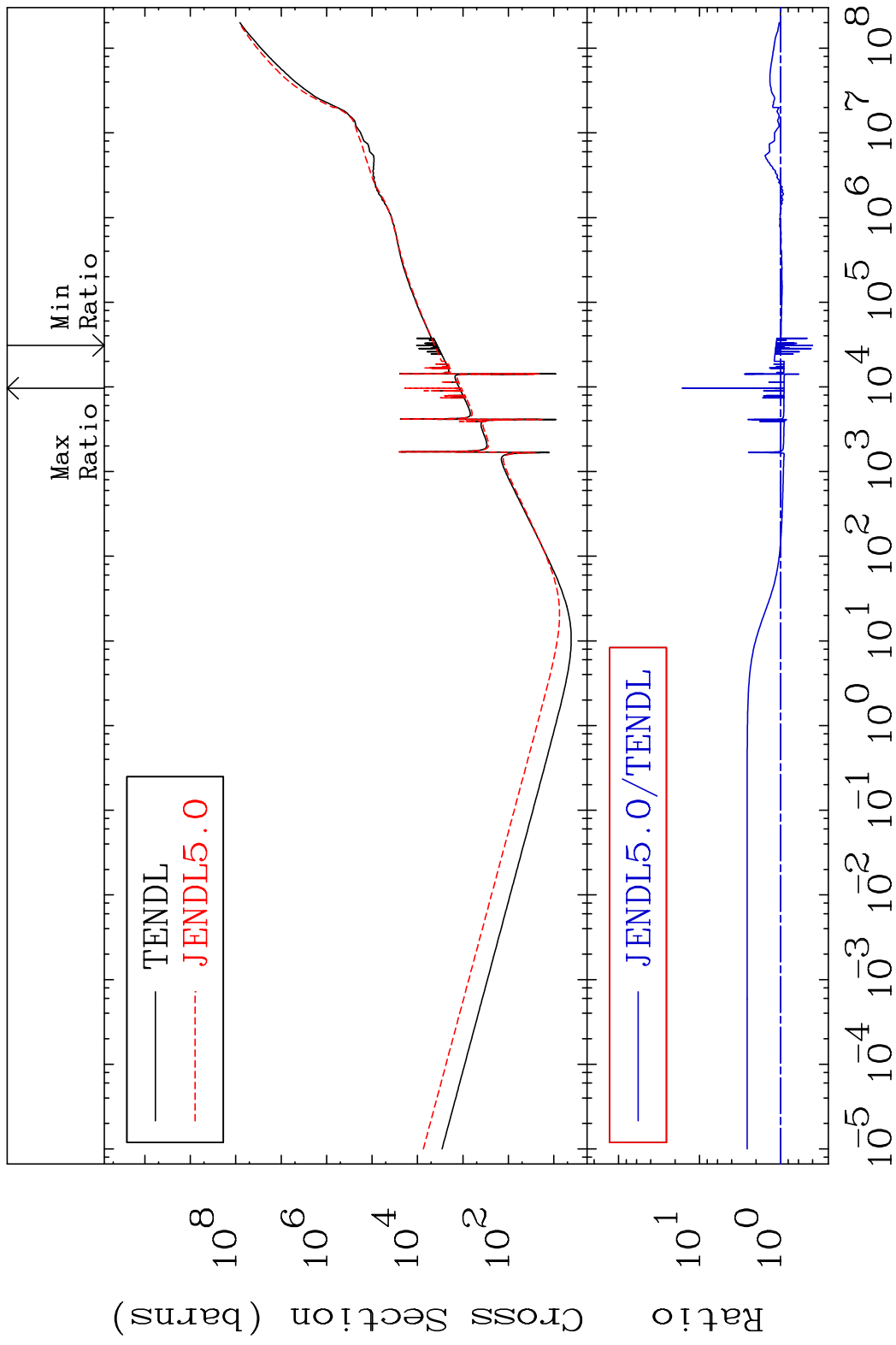
52

Incident Energy (eV) 80-Hg-202

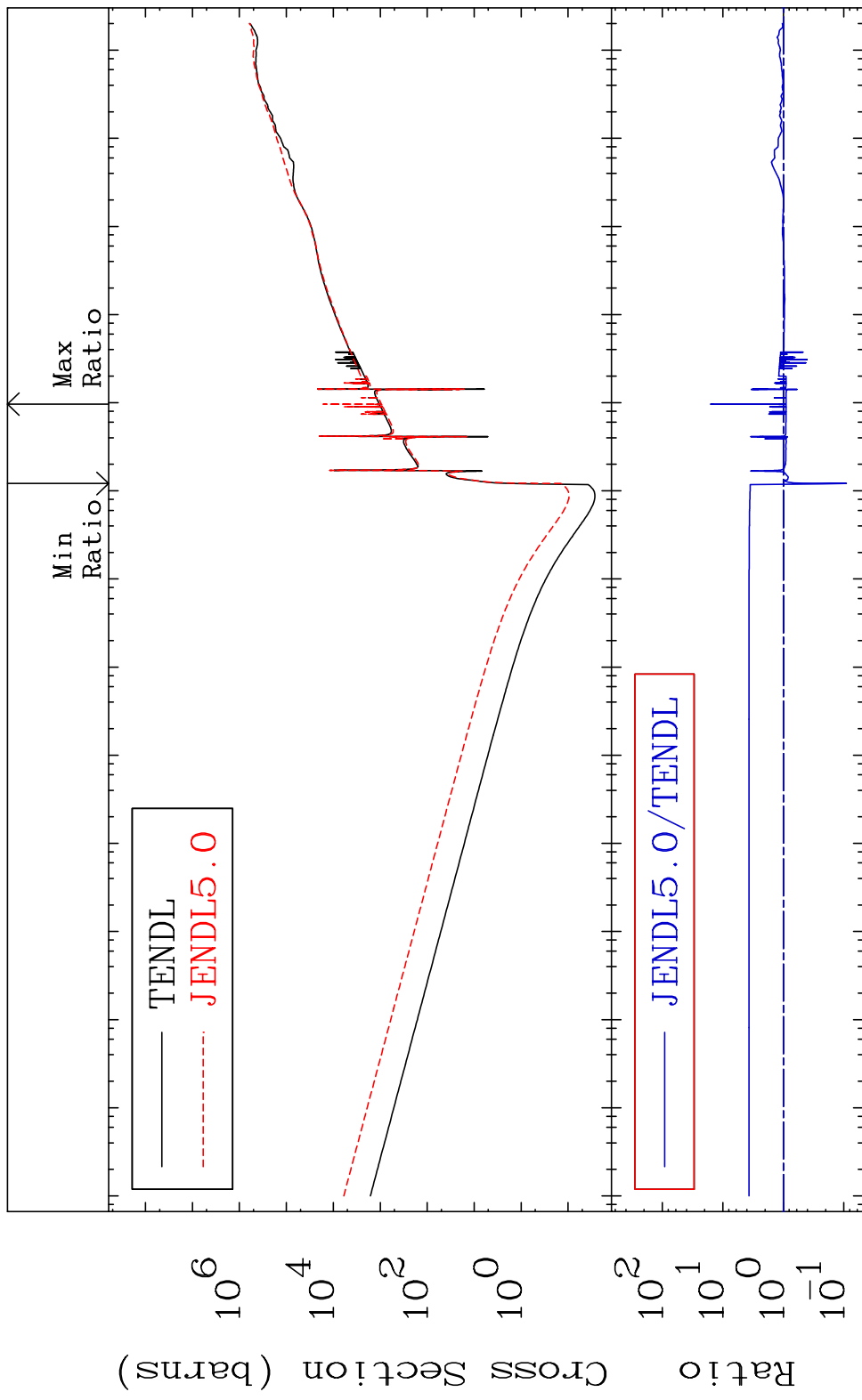
MAT 8043 Total photon (eV-barns) 80-Hg-202
Cross Section -9999. To 103.8 %



MAT 8043 Total kinematic kerma (high limit) 80-Hg-202
 Cross Section -59.89 To 1527. %



MAT 8043 Dpa total (eV-barns) 80-Hg-202
 Cross Section -90.89 To 1487. %



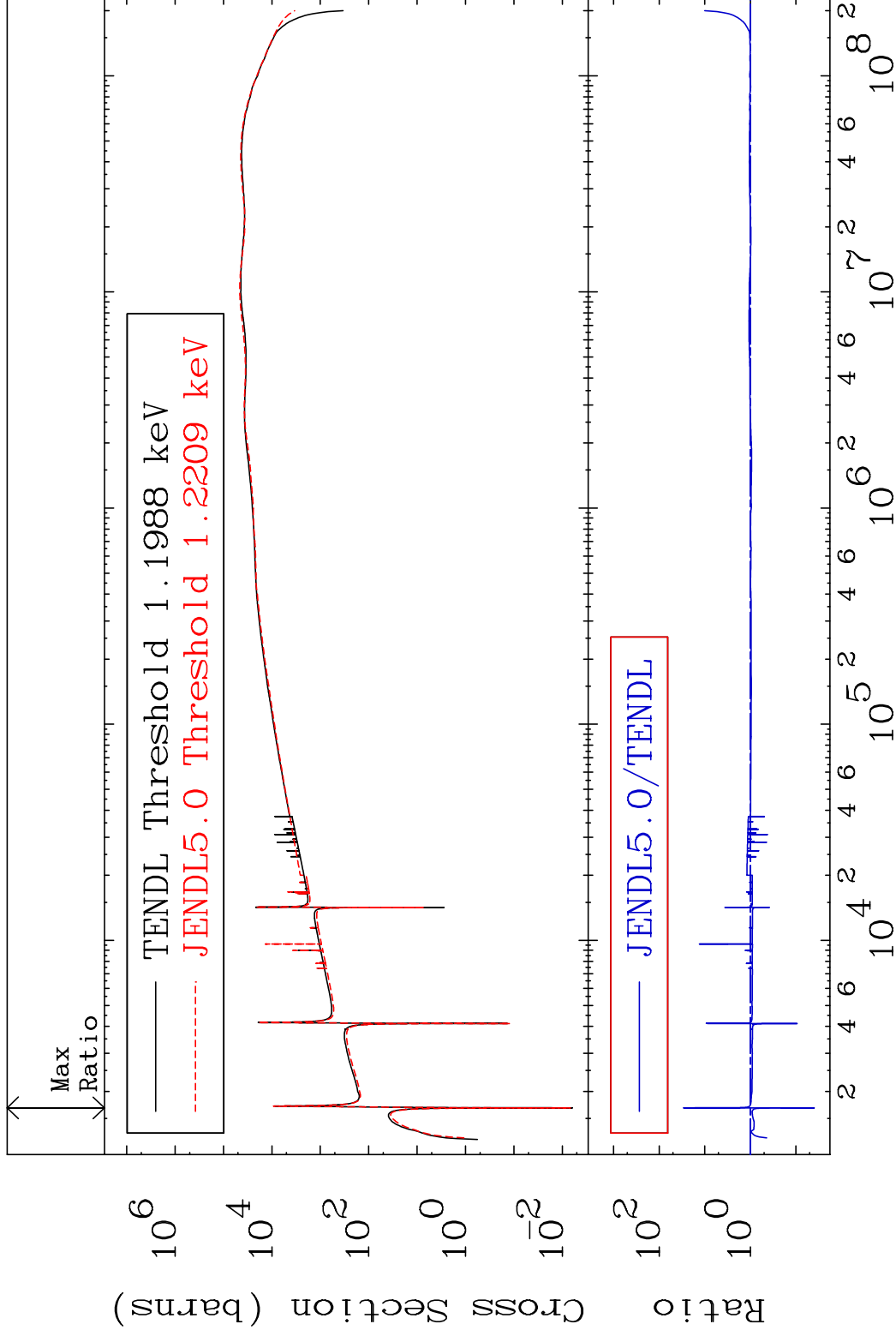
55 Incident Energy (eV) 80-Hg-202

MAT 8043

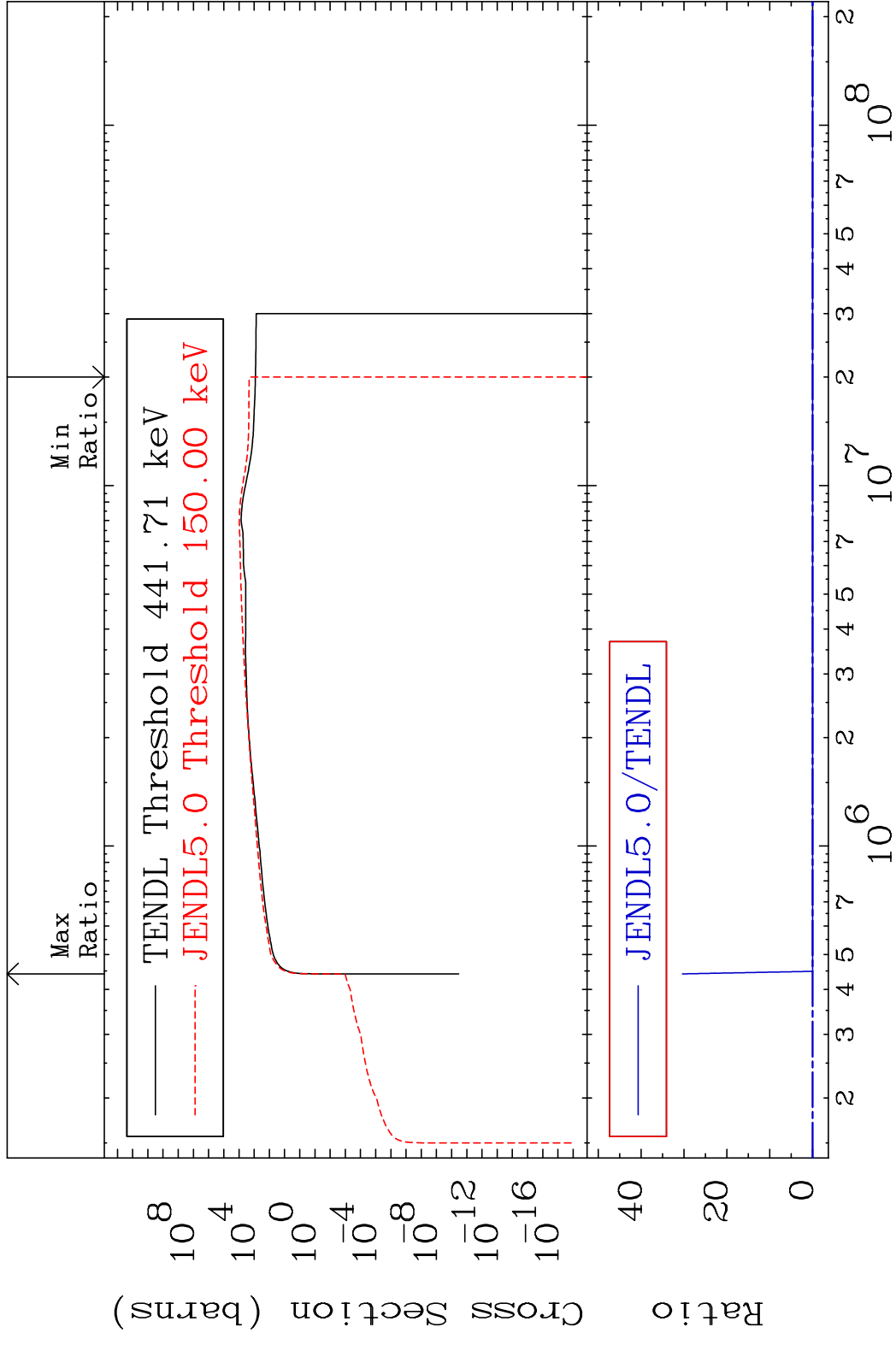
Dpa elastic (mt2)

80-Hg-202

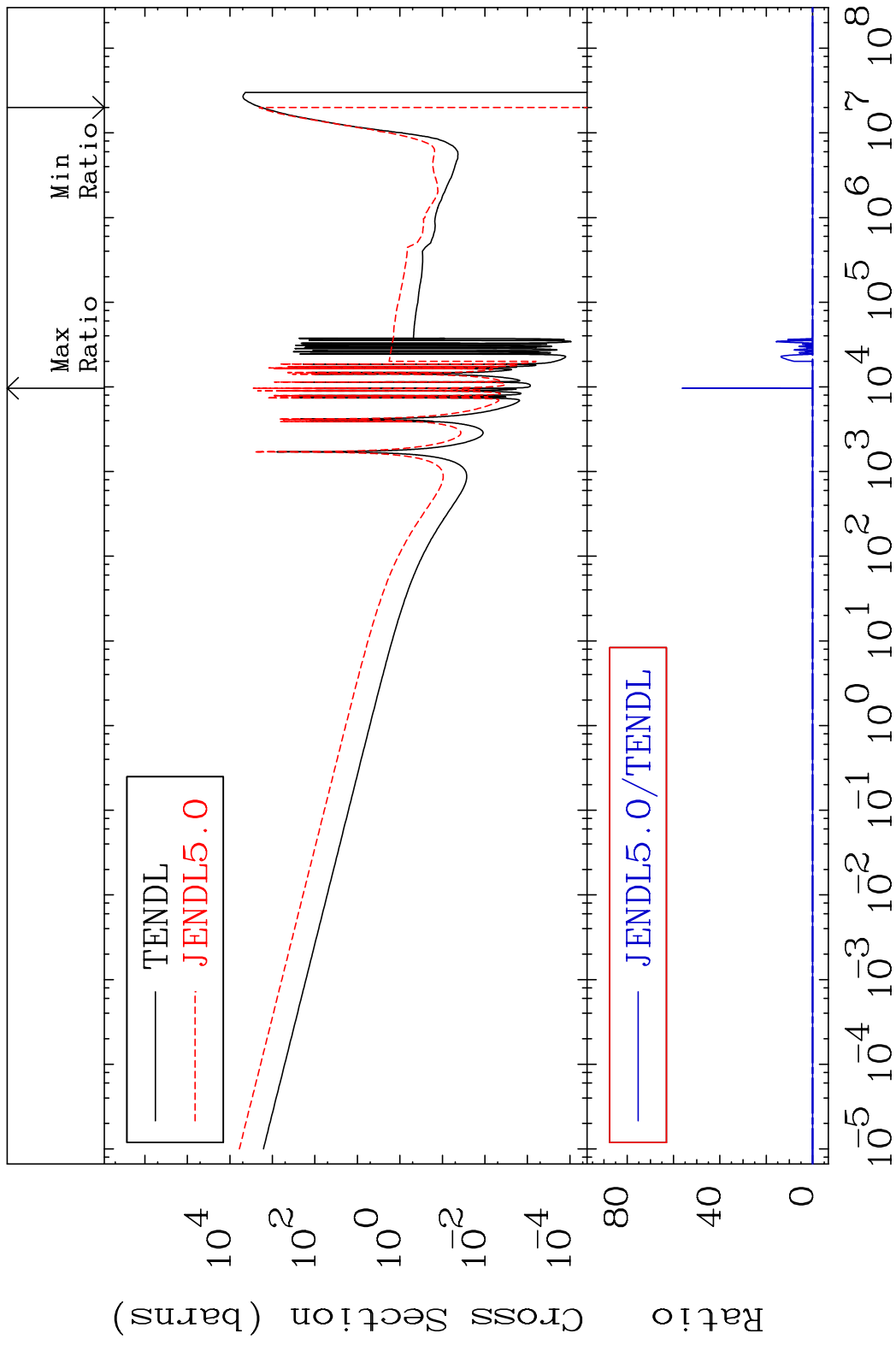
Cross Section -96.02 To 2803. %



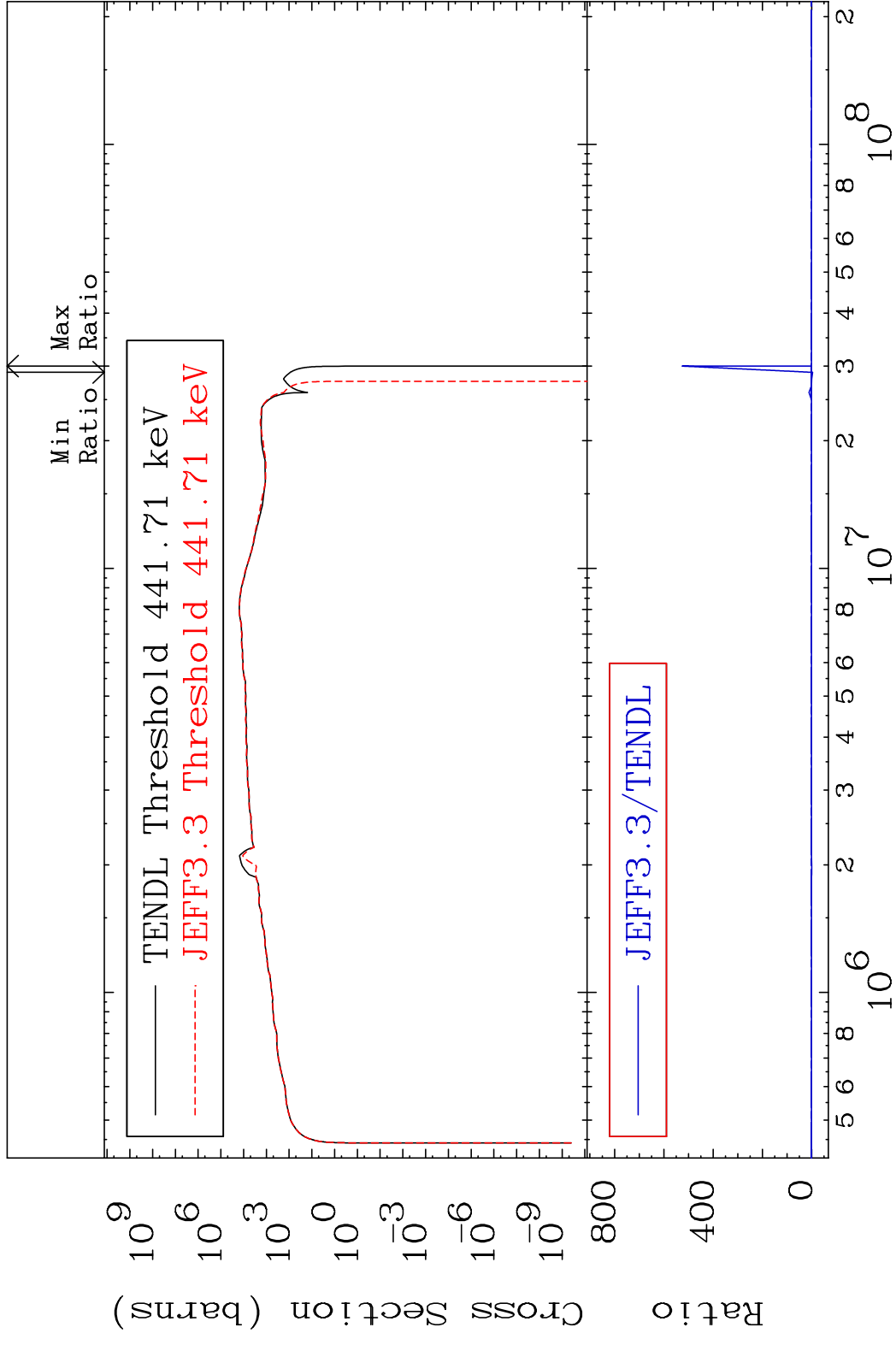
MAT 8043 Dpa inelastic (mt51-91) 80-Hg-202
 Cross Section -100.0 To 9999. %



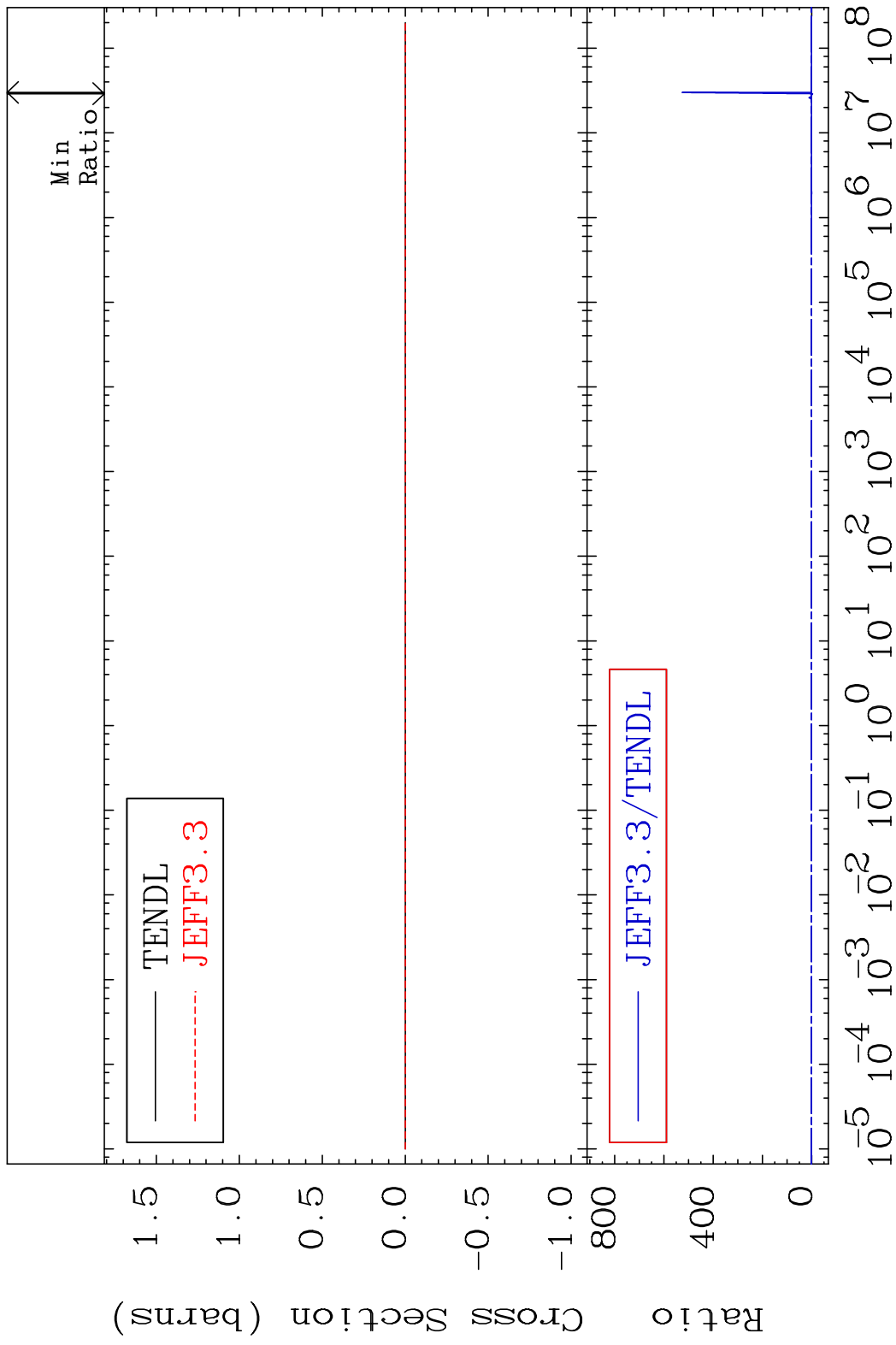
MAT 8043 Dpa disappearance (mt102 -120) 80-Hg-202
 Cross Section -100.0 To 9999. %



MAT 8043 Kerma inelastic (mt51-91) 80-Hg-202
 Cross Section -432.3 To 9999. %



MAT 8043 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-202
 Cross Section -432.3 To 9999. %



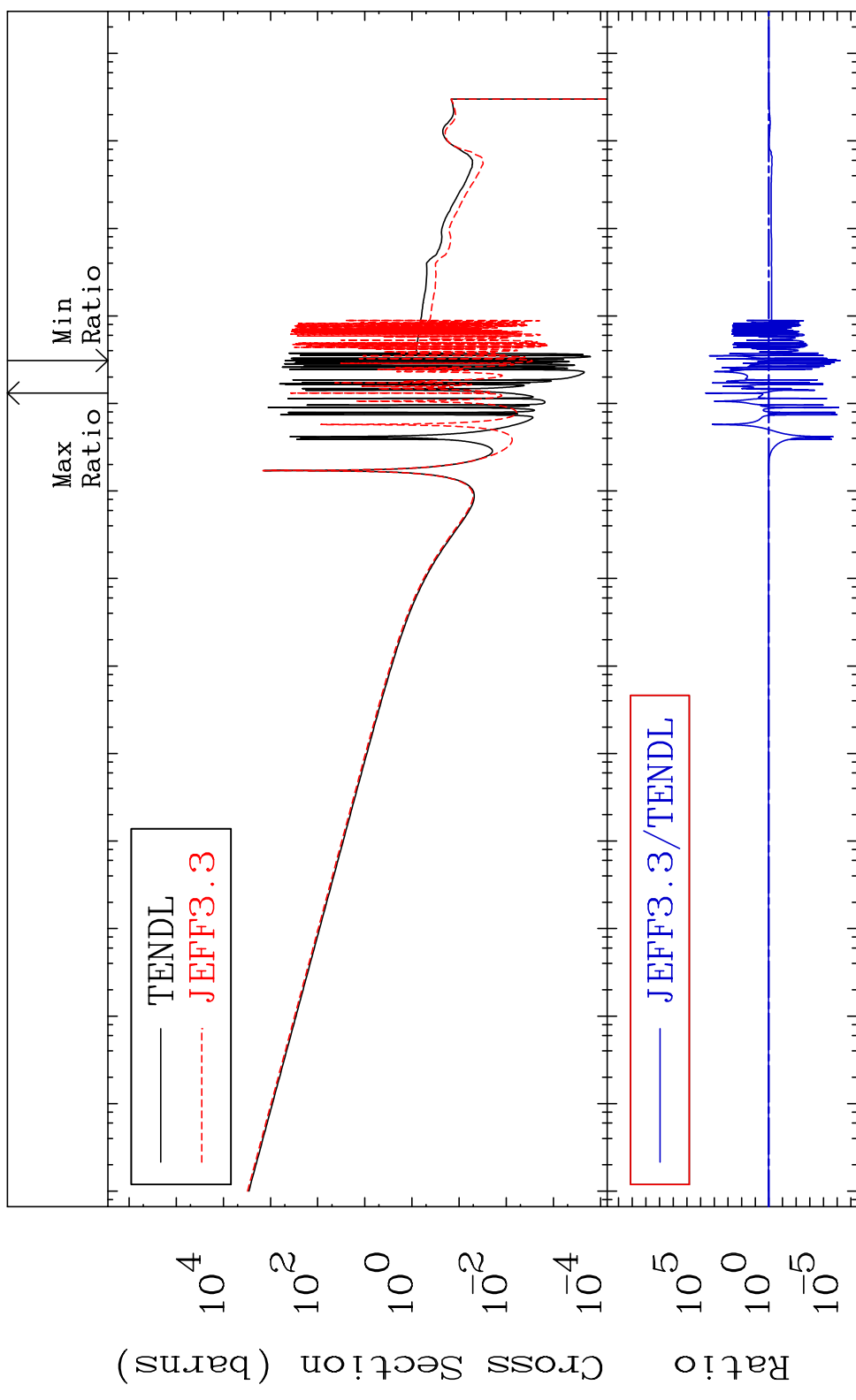
60

Incident Energy (eV)

80-Hg-202

MAT 8043

Kerma capture (mt102) 80-Hg-202
Cross Section -100.0 To 9999. %

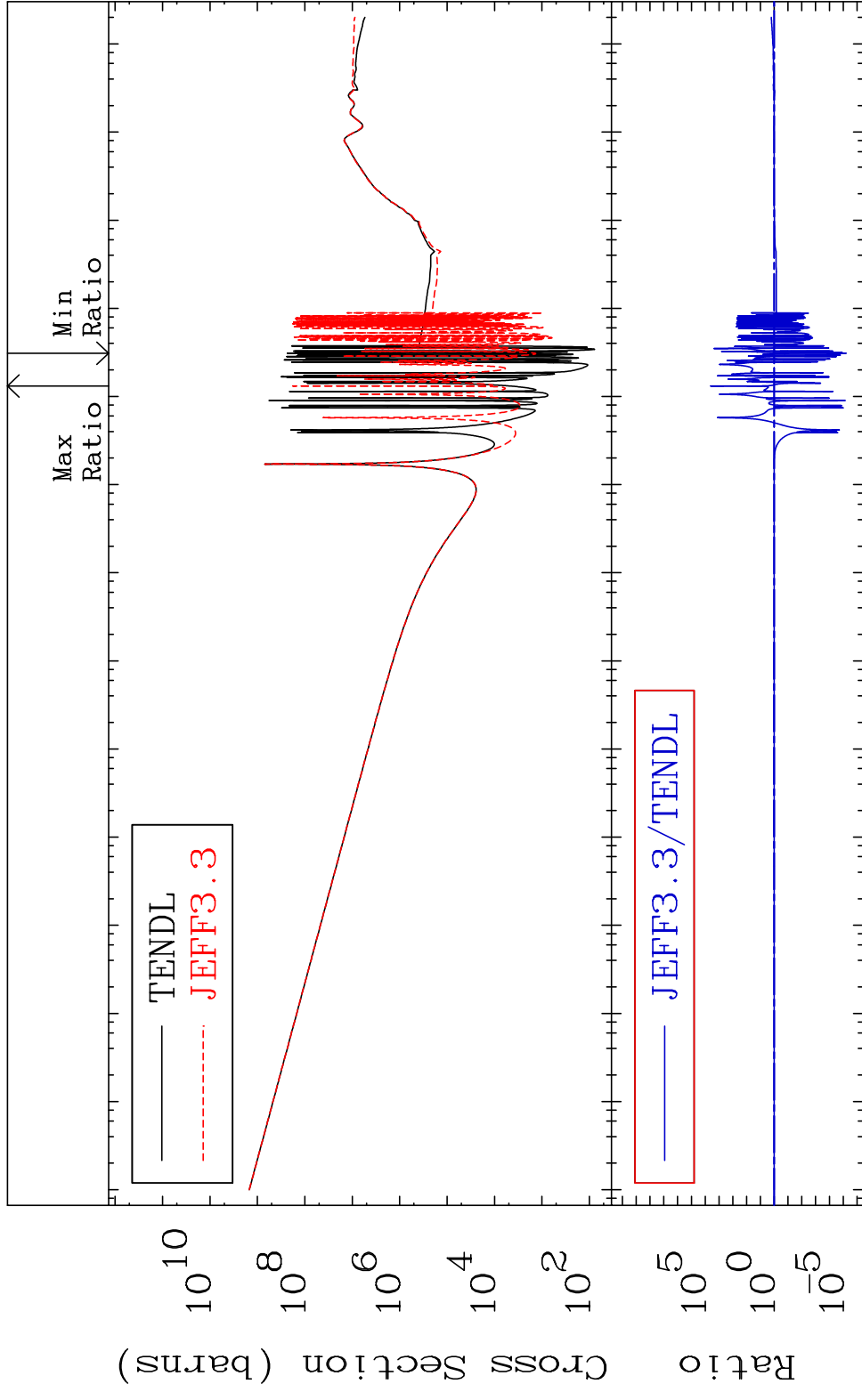


61

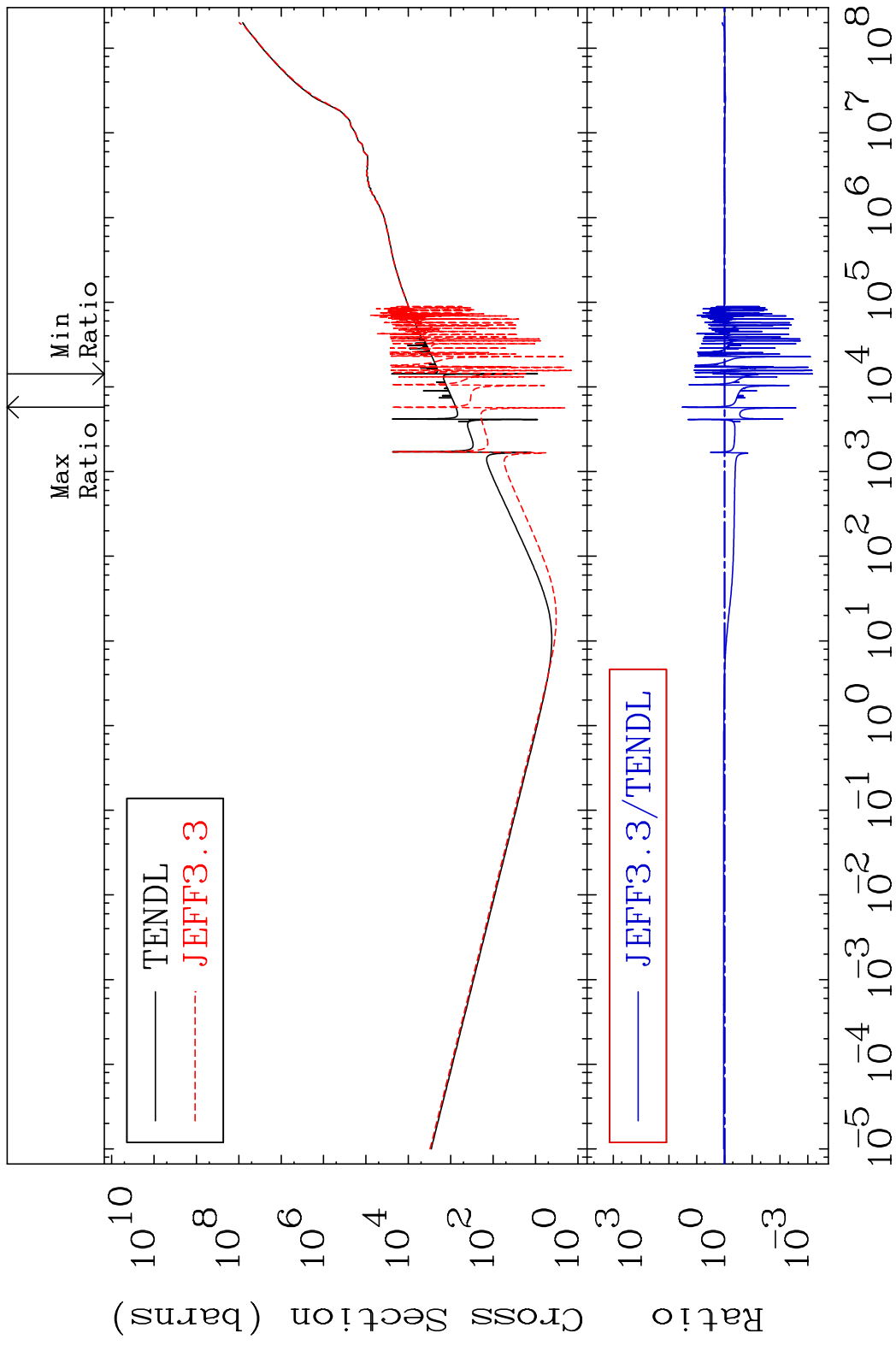
Incident Energy (eV)

80-Hg-202

MAT 8043 Total photon (eV-barns) 80-Hg-202
 Cross Section -100.0 To 9999. %



MAT 8043 Total kinematic kerma (high limit) 80-Hg-202
 Cross Section -99.93 To 3188. %

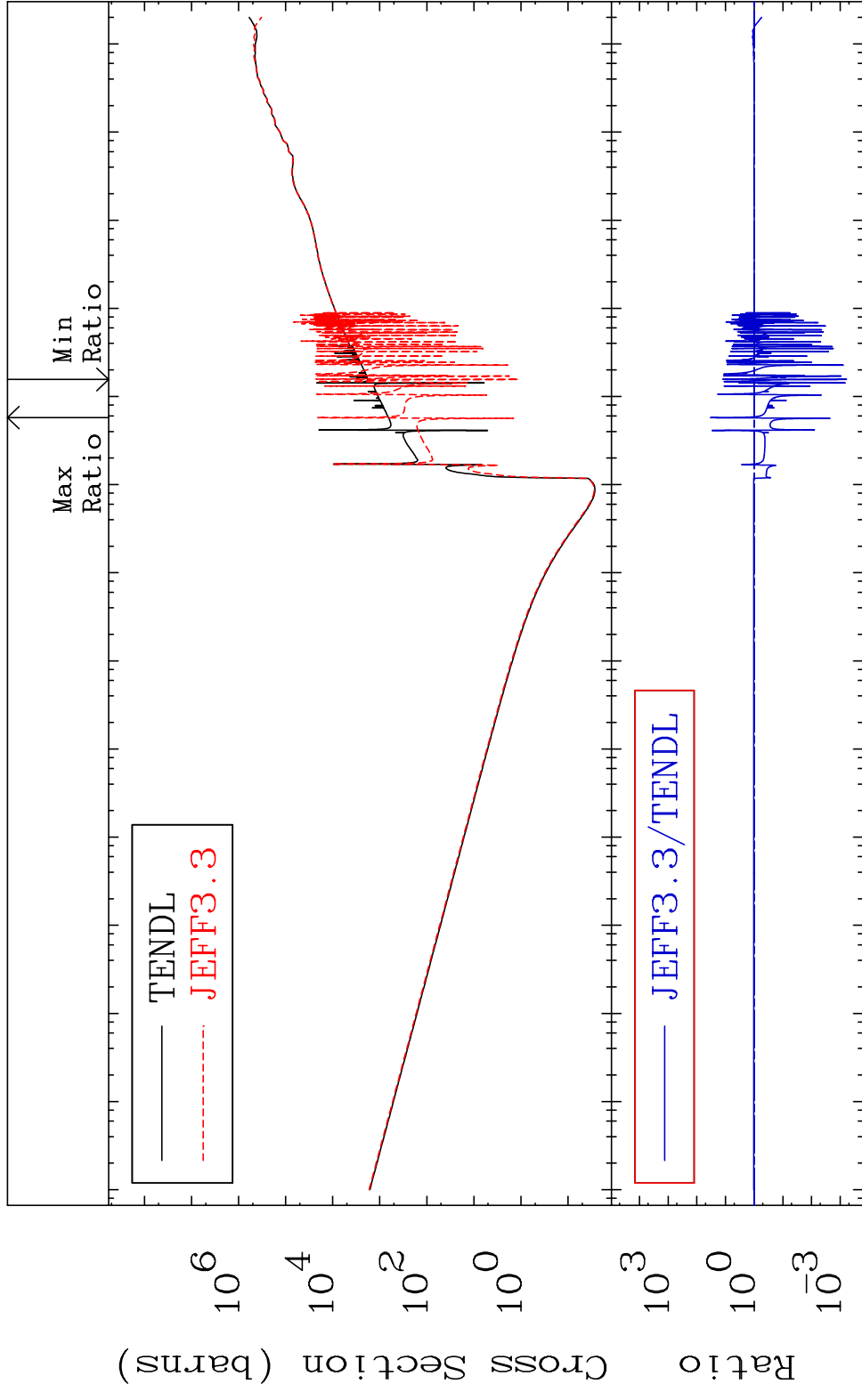


MAT 8043

Dpa total (eV-barns)

80-Hg-202

Cross Section -99.94 To 3184. %



64

Incident Energy (eV)

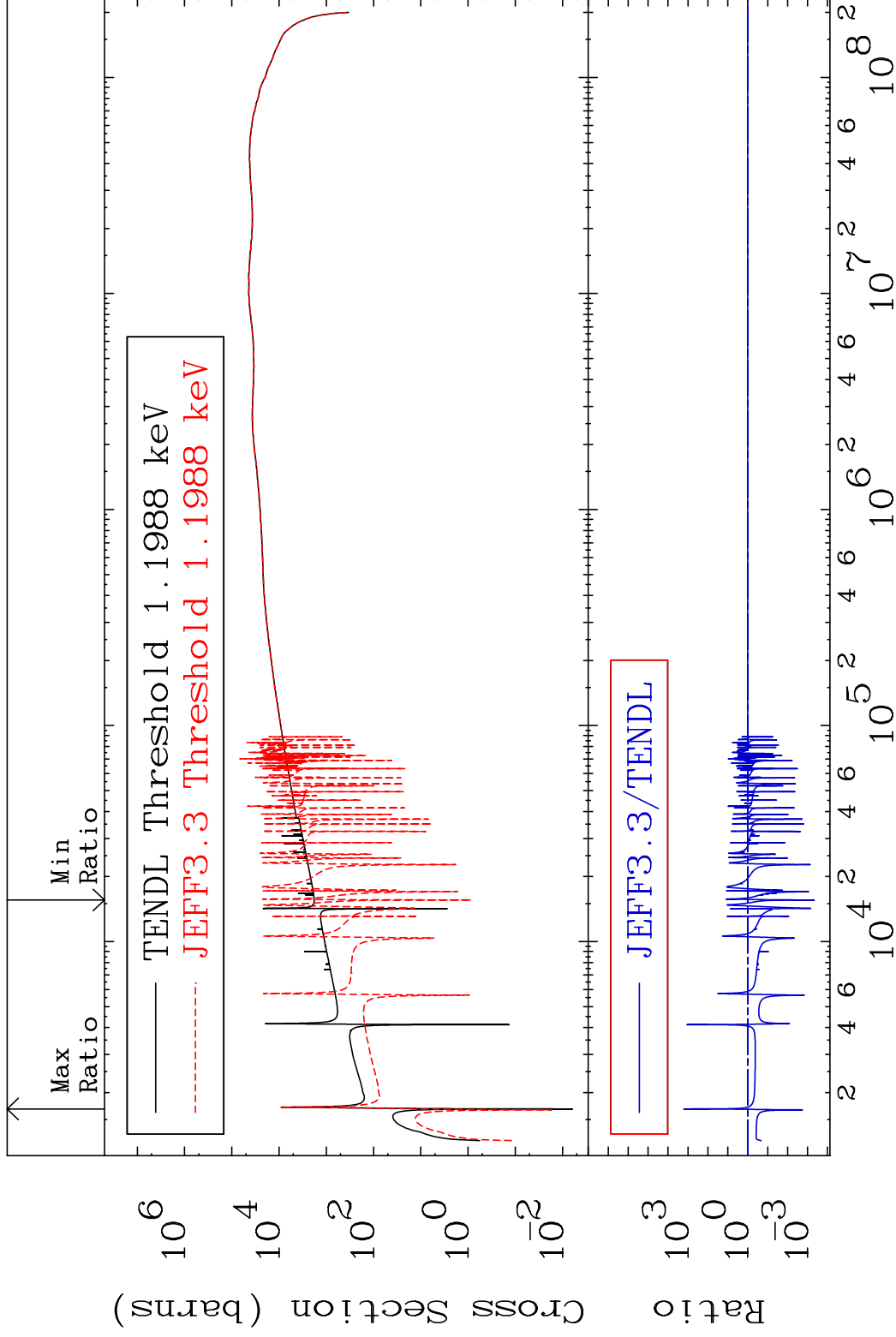
80-Hg-202

MAT 8043

Dpa elastic (mt2)

80-Hg-202

Cross Section -99.95 To 9999. %

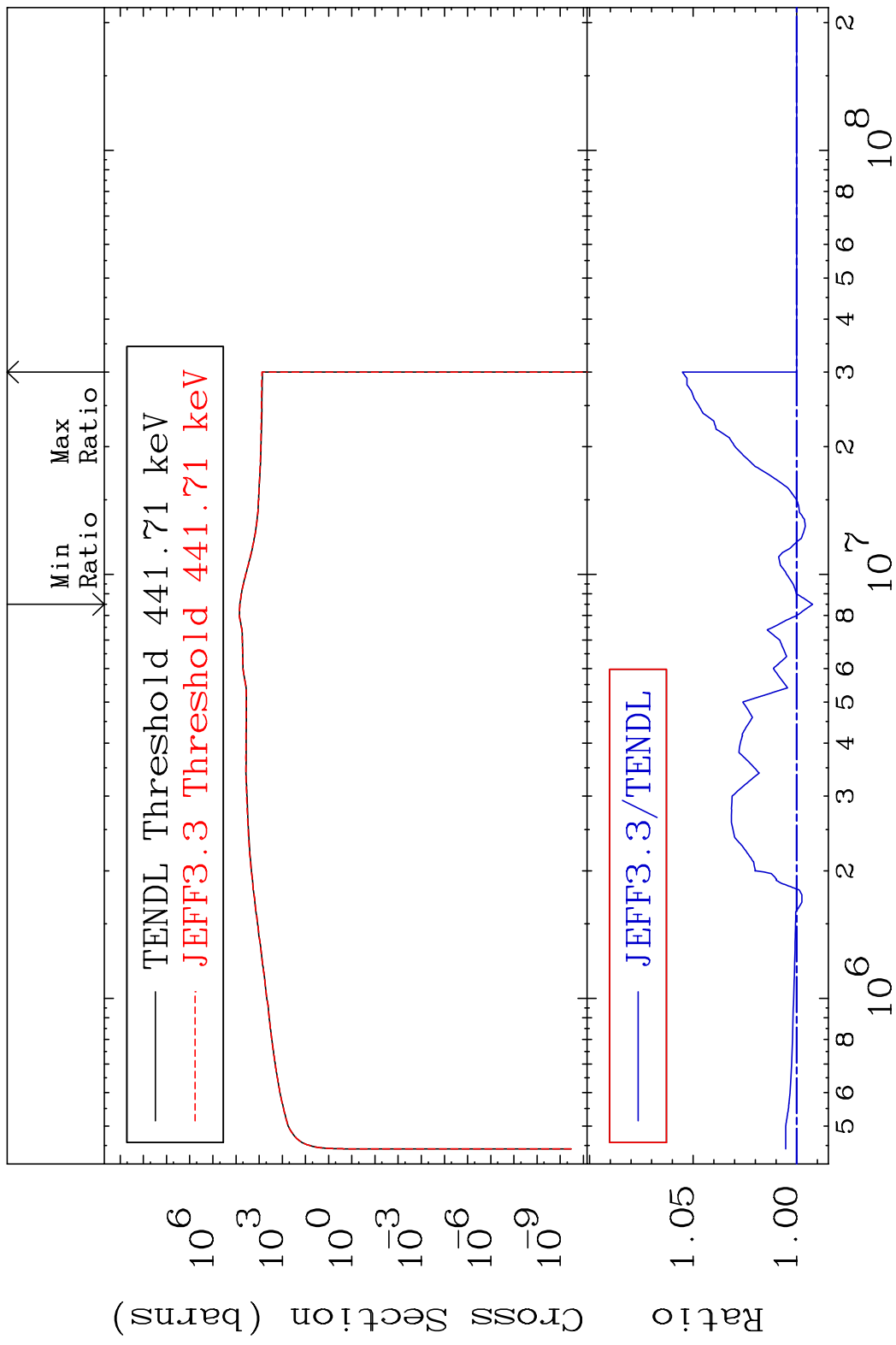


65

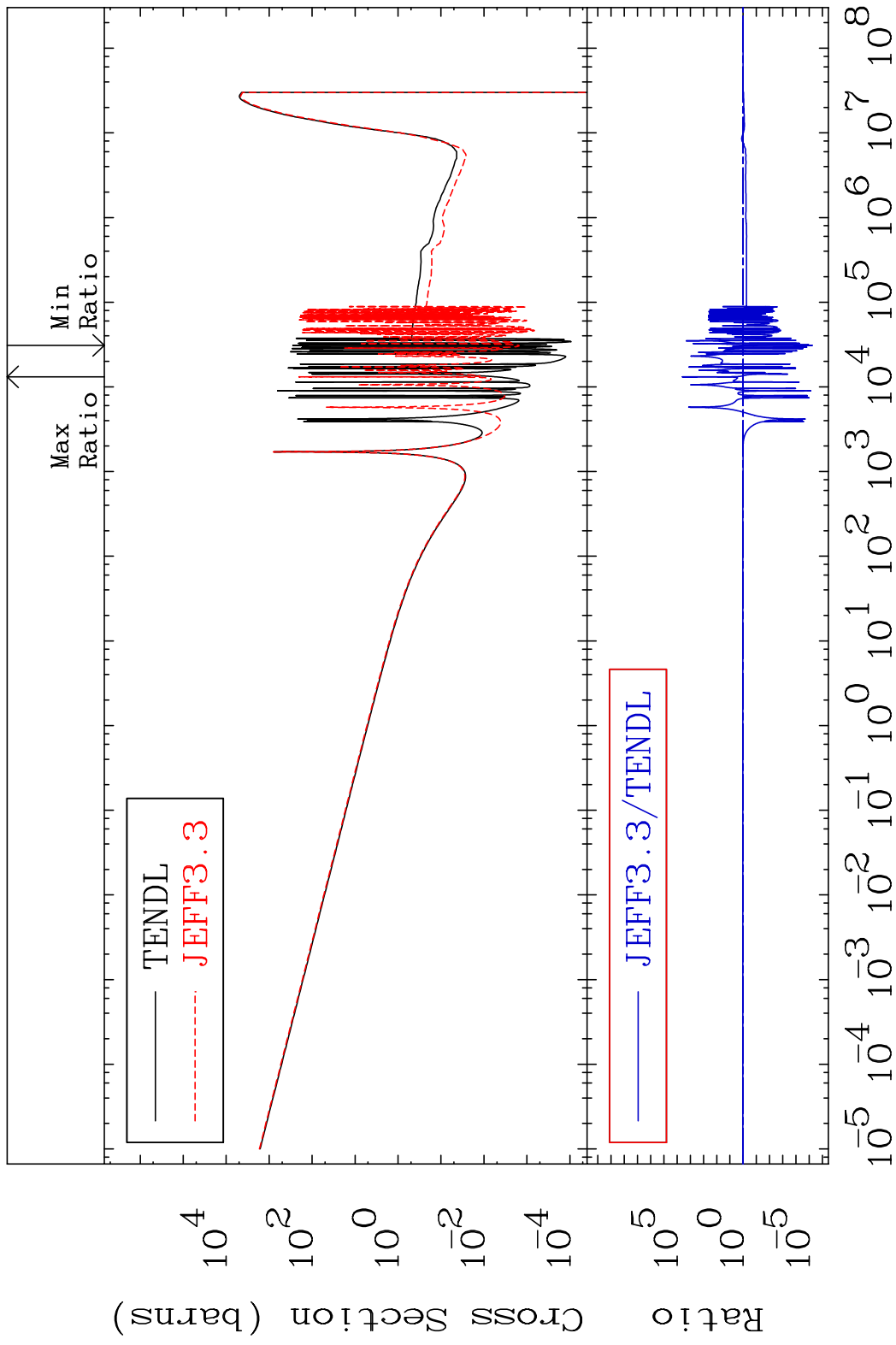
Incident Energy (eV)

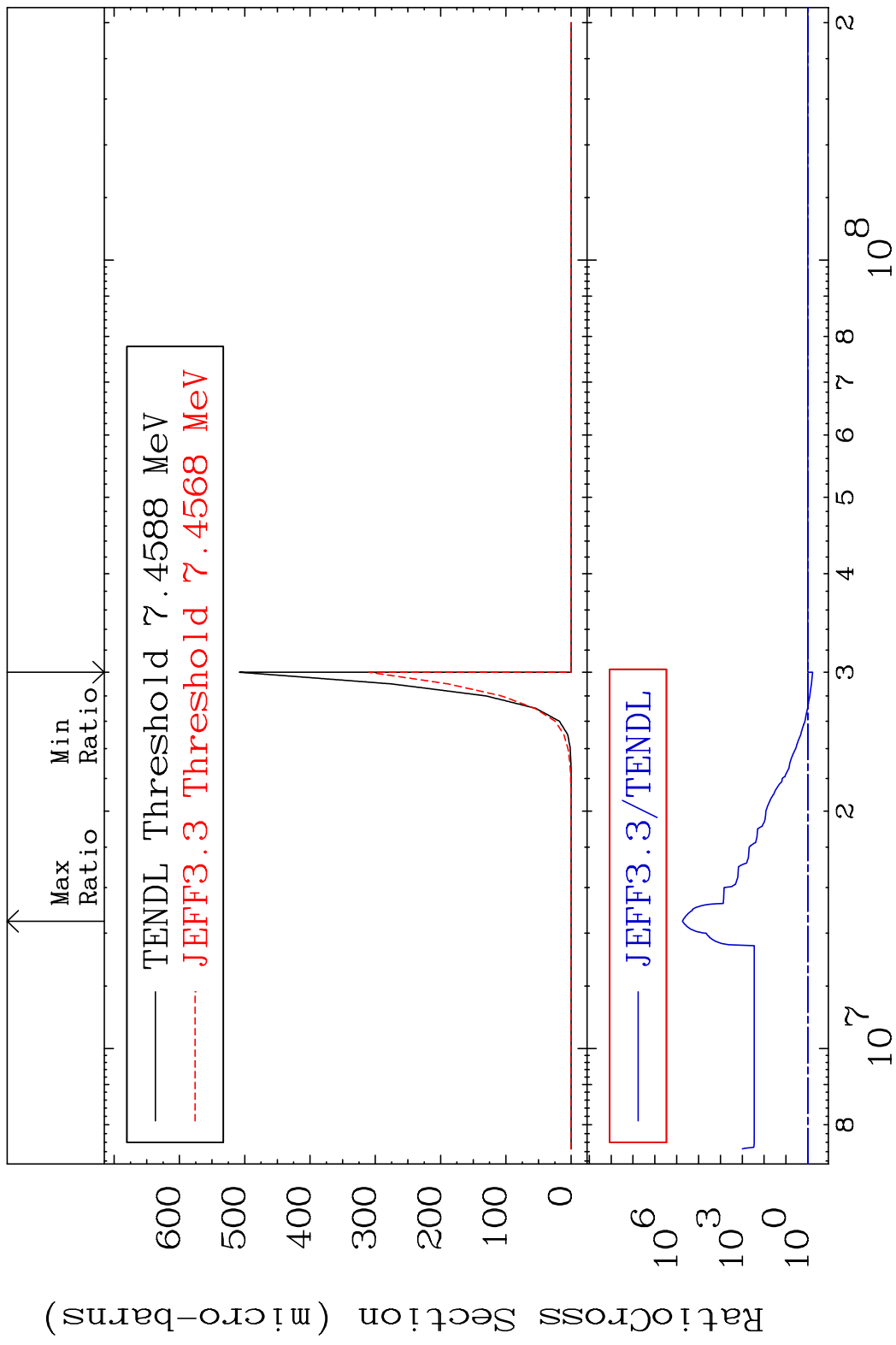
80-Hg-202

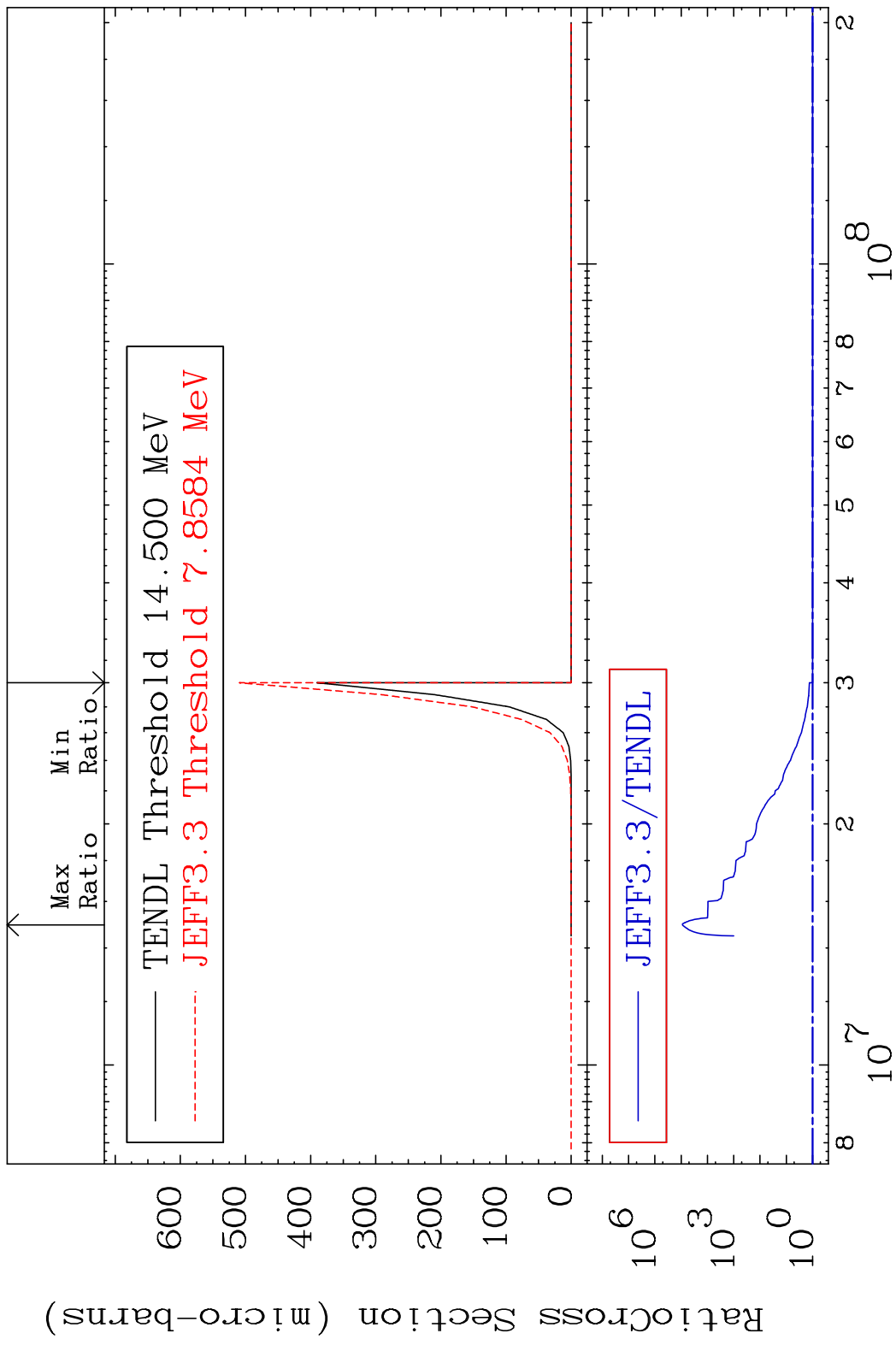
MAT 8043 Dpa inelastic (mt51-91) 80-Hg-202
 Cross Section -0.764 To 5.521 %



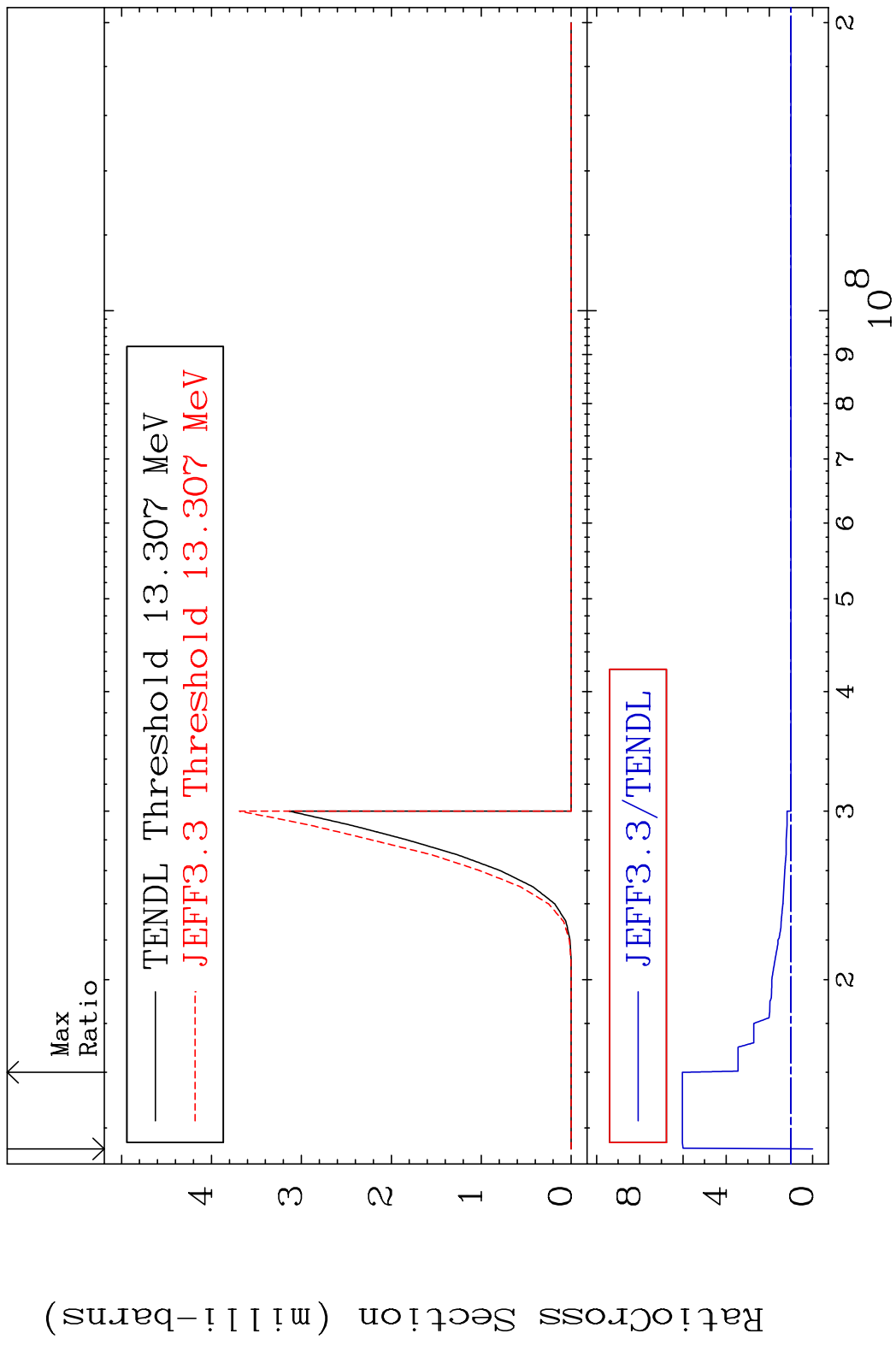
MAT 8043 Dpa disappearance (mt102 -120) 80-Hg-202
 Cross Section -100.0 To 9999. %

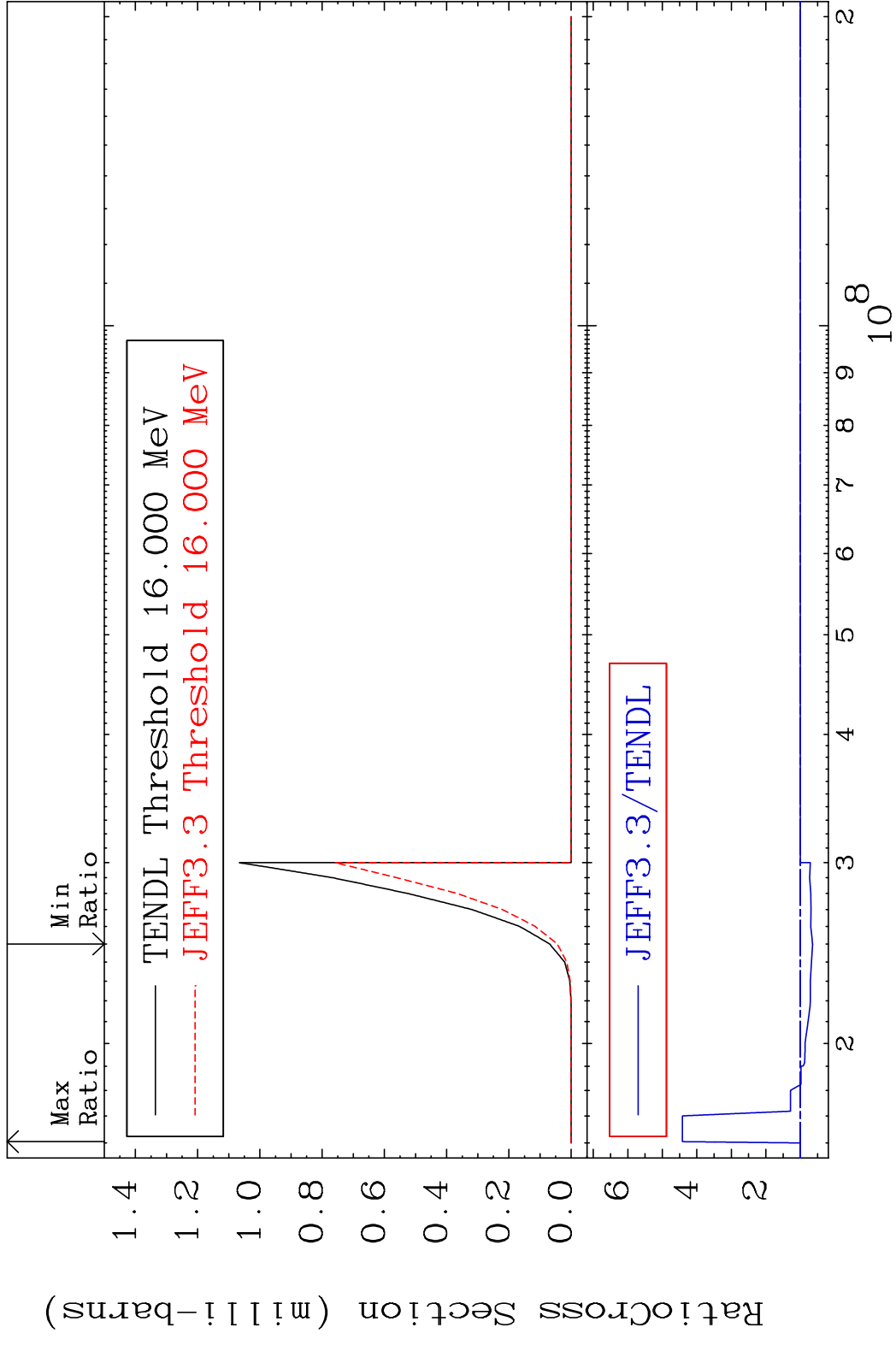


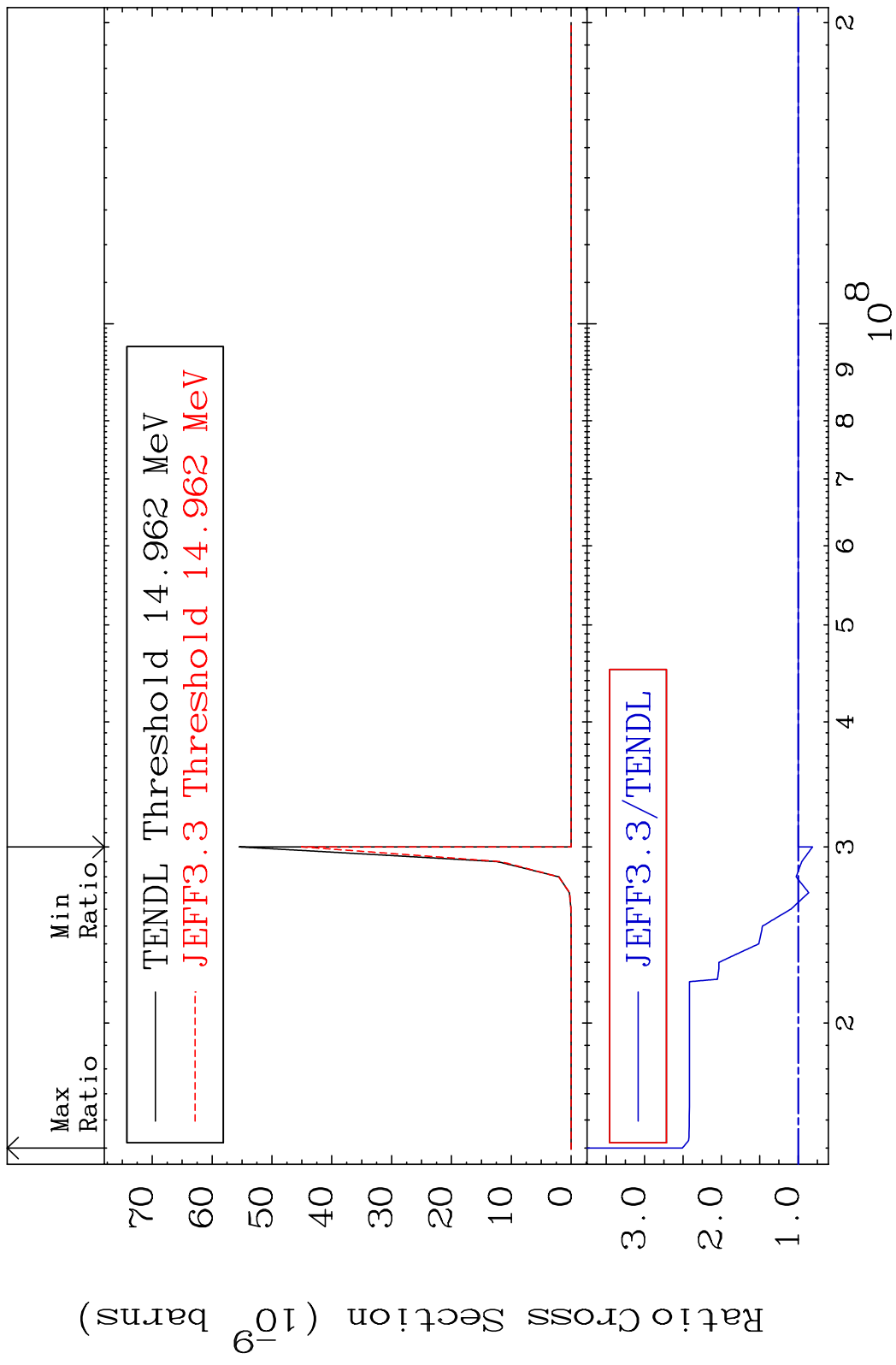


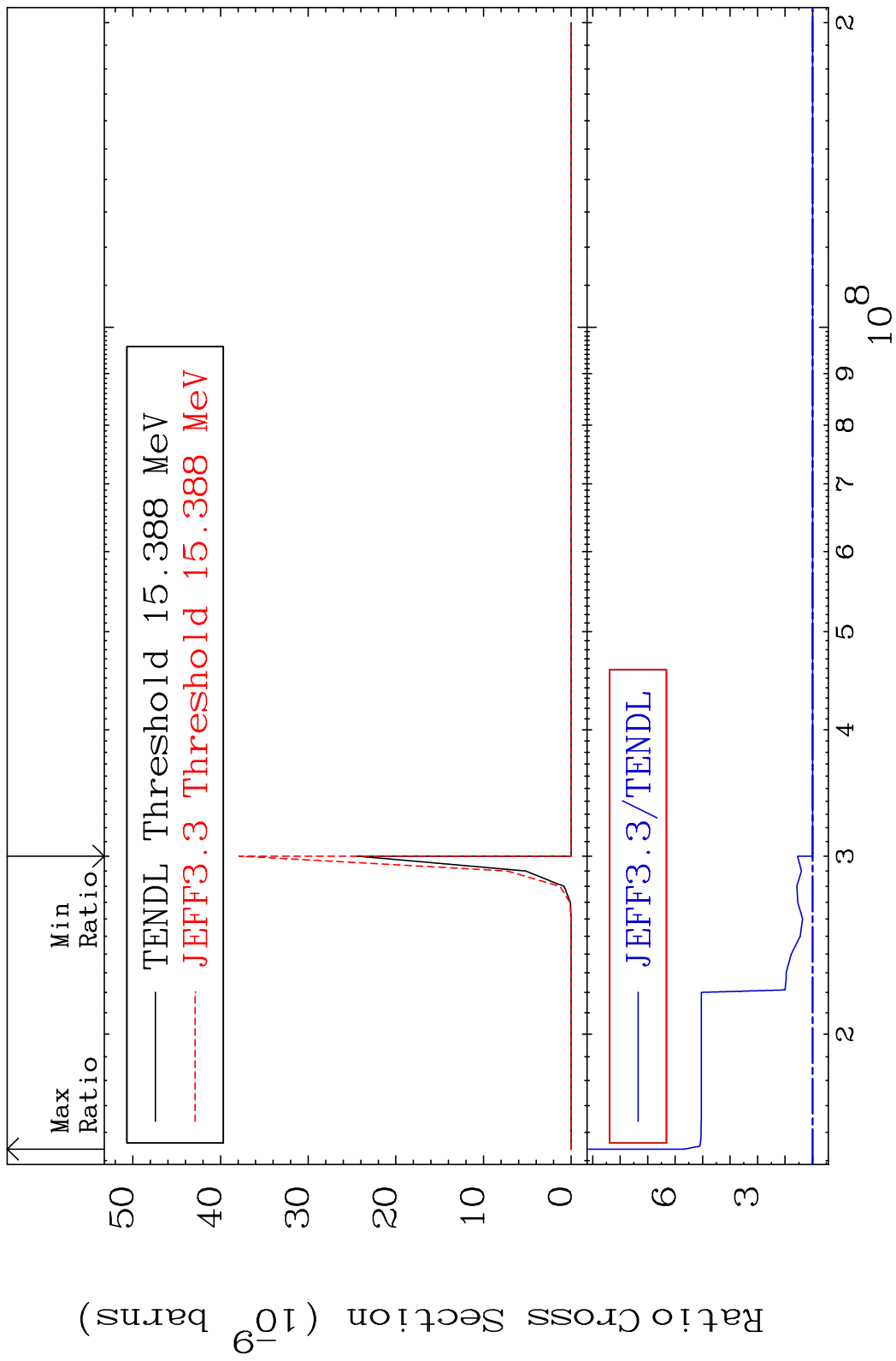


MAT 8043 (n, n') d:79-Au-200g 80-Hg-202
 Radionuclide Production Cross Section 1800 d to 502.9 %

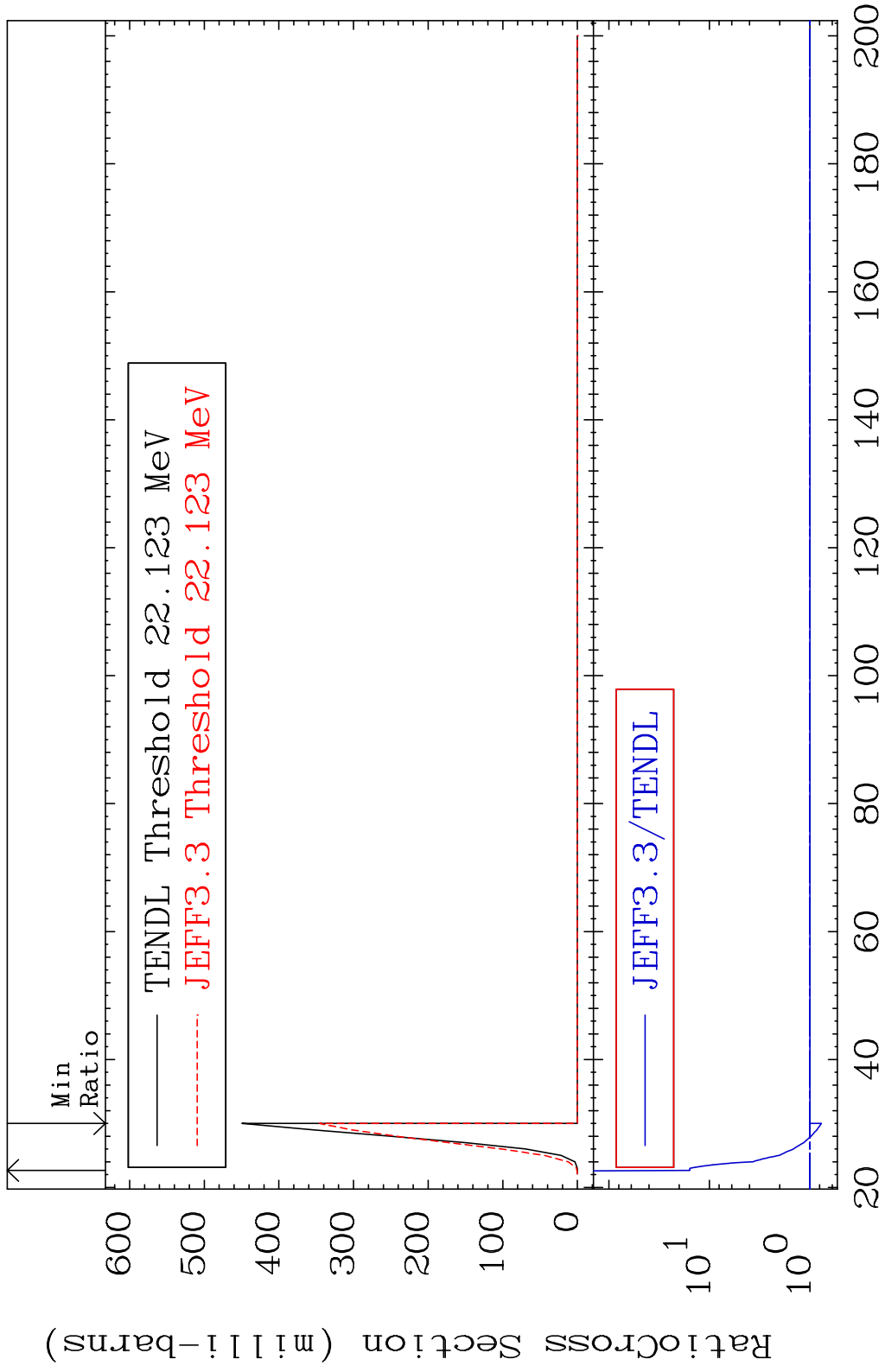




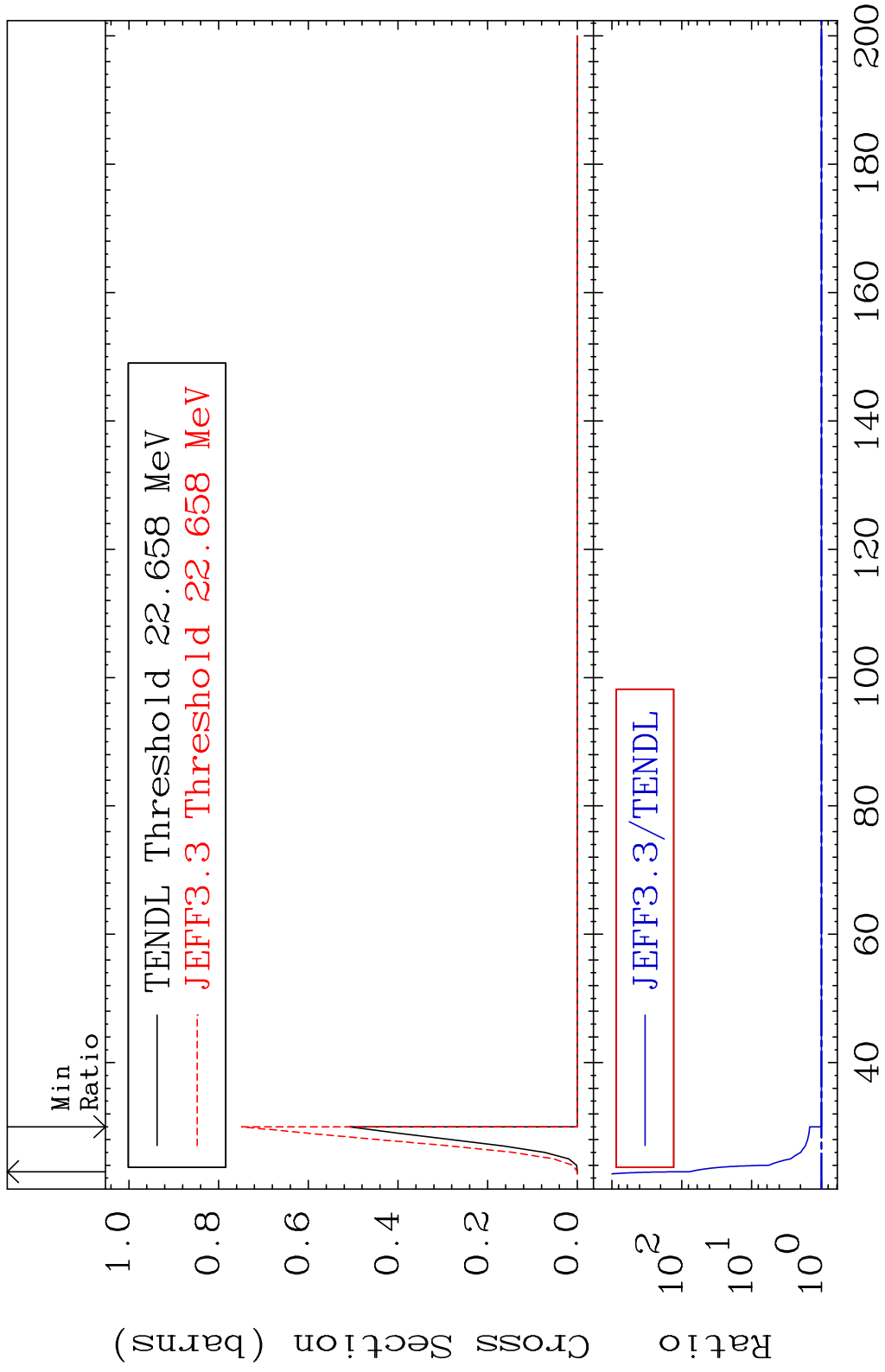


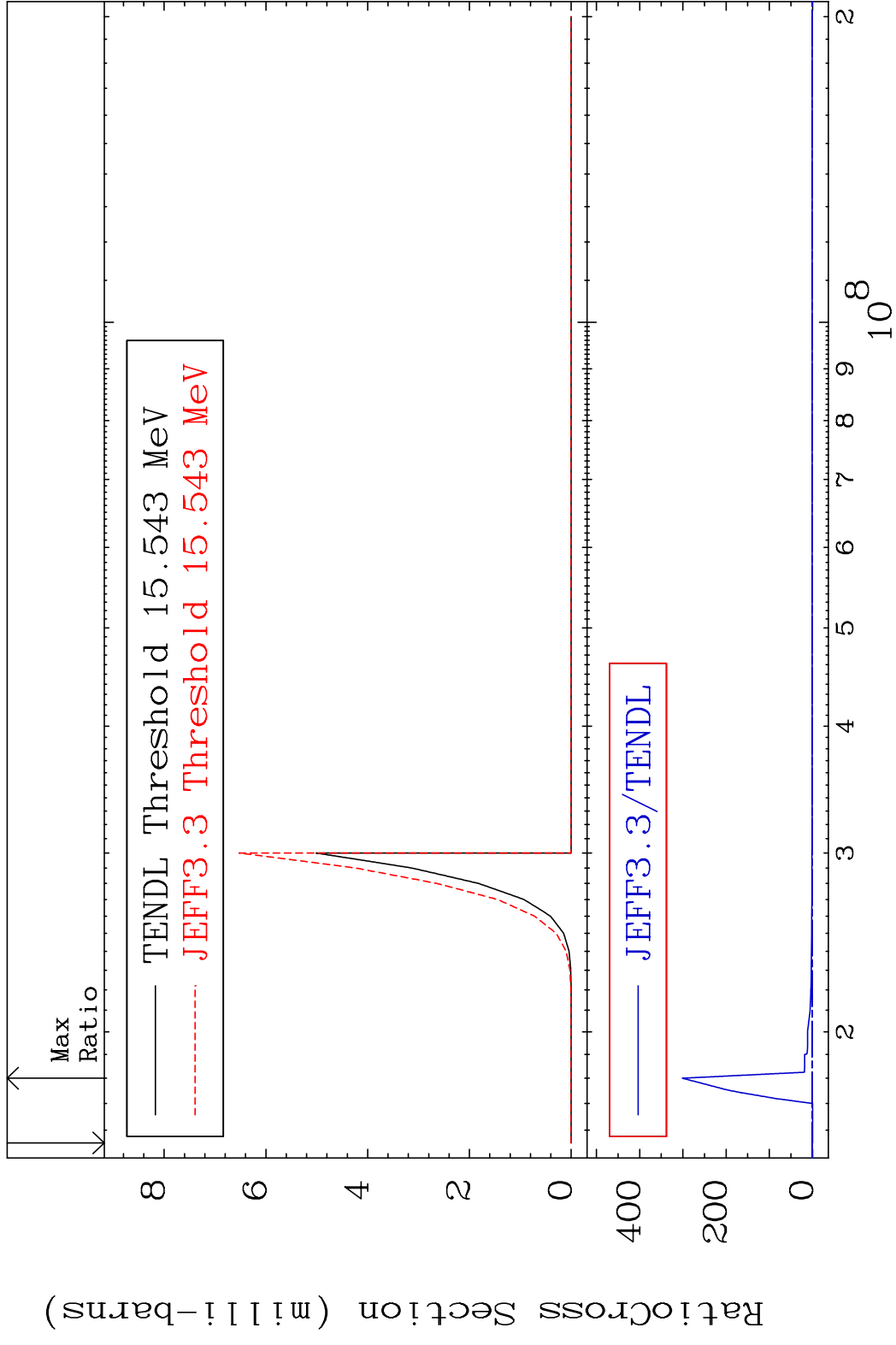


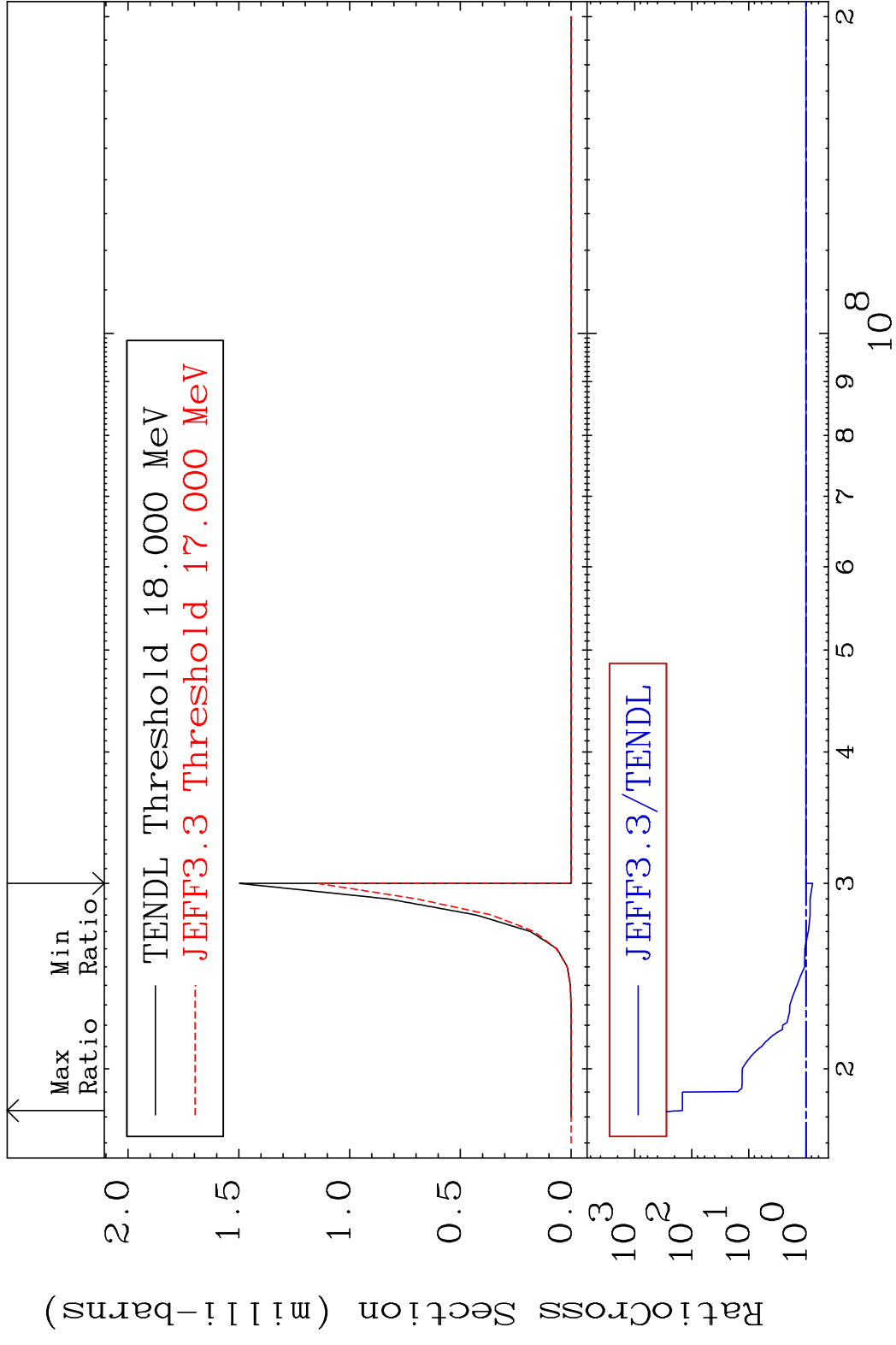
MAT 8043 (n,4n):80-Hg-199g 80-Hg-202
 Radionuclide Production Cross Section 1470. %



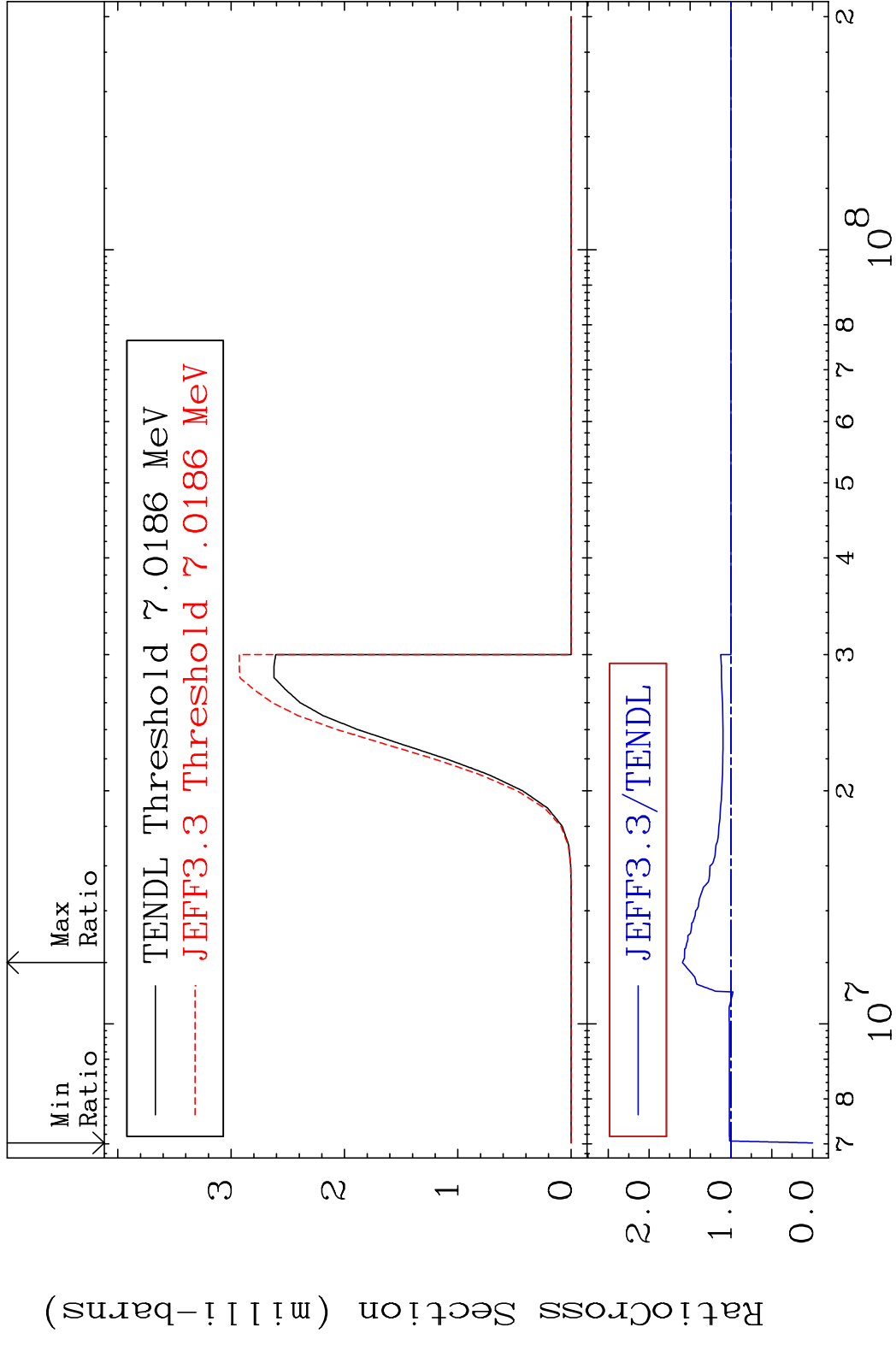
MAT 8043 (n, 4n):80-Hg-199m7 80-Hg-202
 Radionuclide Production Cross Section 7553. %







MAT 8043 (n, t): 79-Au-200g 80-Hg-202
 Radionuclide Production Cross Section 180.01 dth 59.41 %



78 Incident Energy (eV) 80-Hg-202

MAT 8043 (n, t):79-Au-200m11 80-Hg-202
 Radionuclide Production Cross Section 95.081 dth 0.000 %

