

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

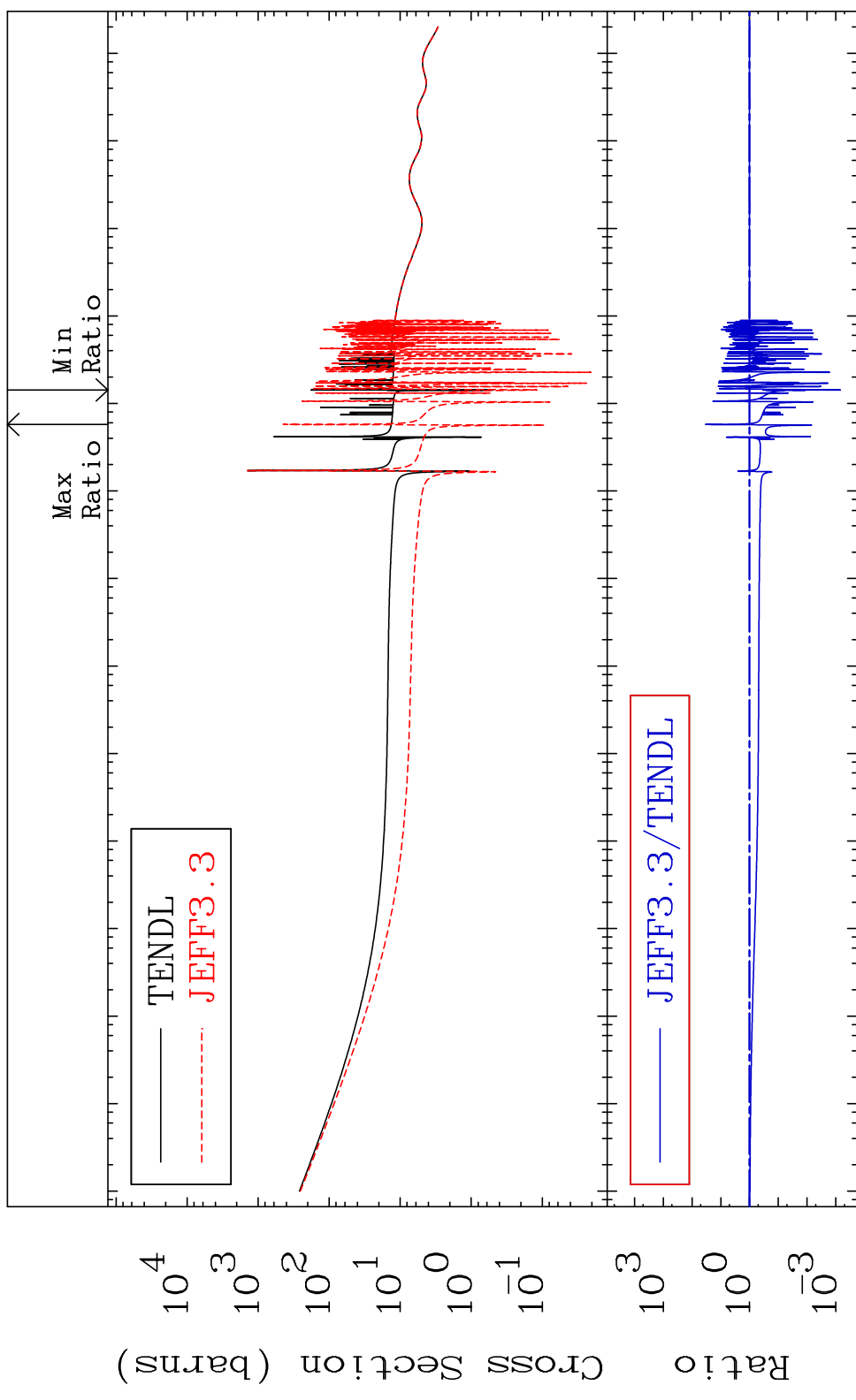
MAT 8043

Total

80-Hg-202

Cross Section

-99.93 To 3228. %



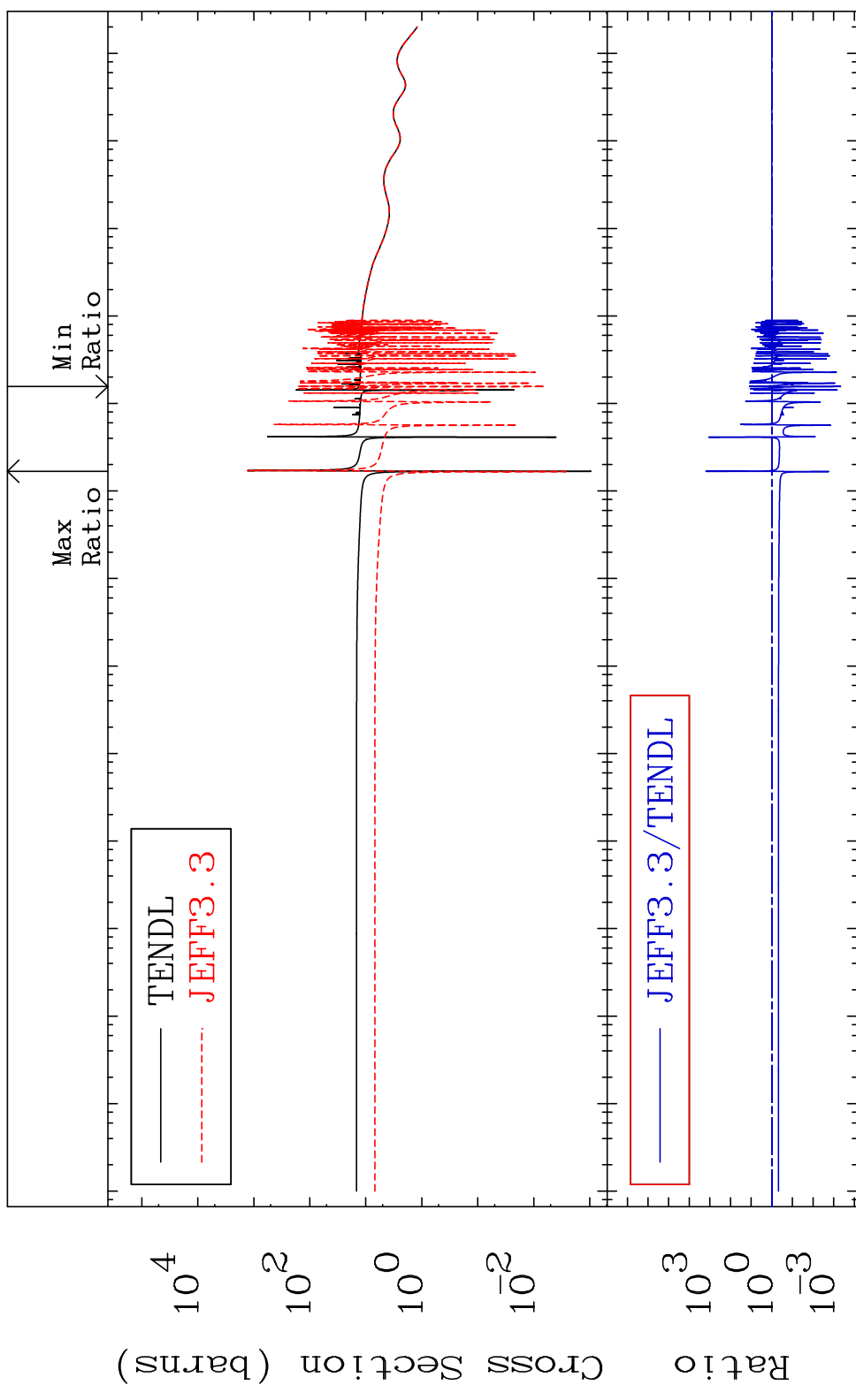
10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵ 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

80-Hg-202

MAT 8043

Elastic Cross Section
80-Hg-202
-99.95 To 9999. %

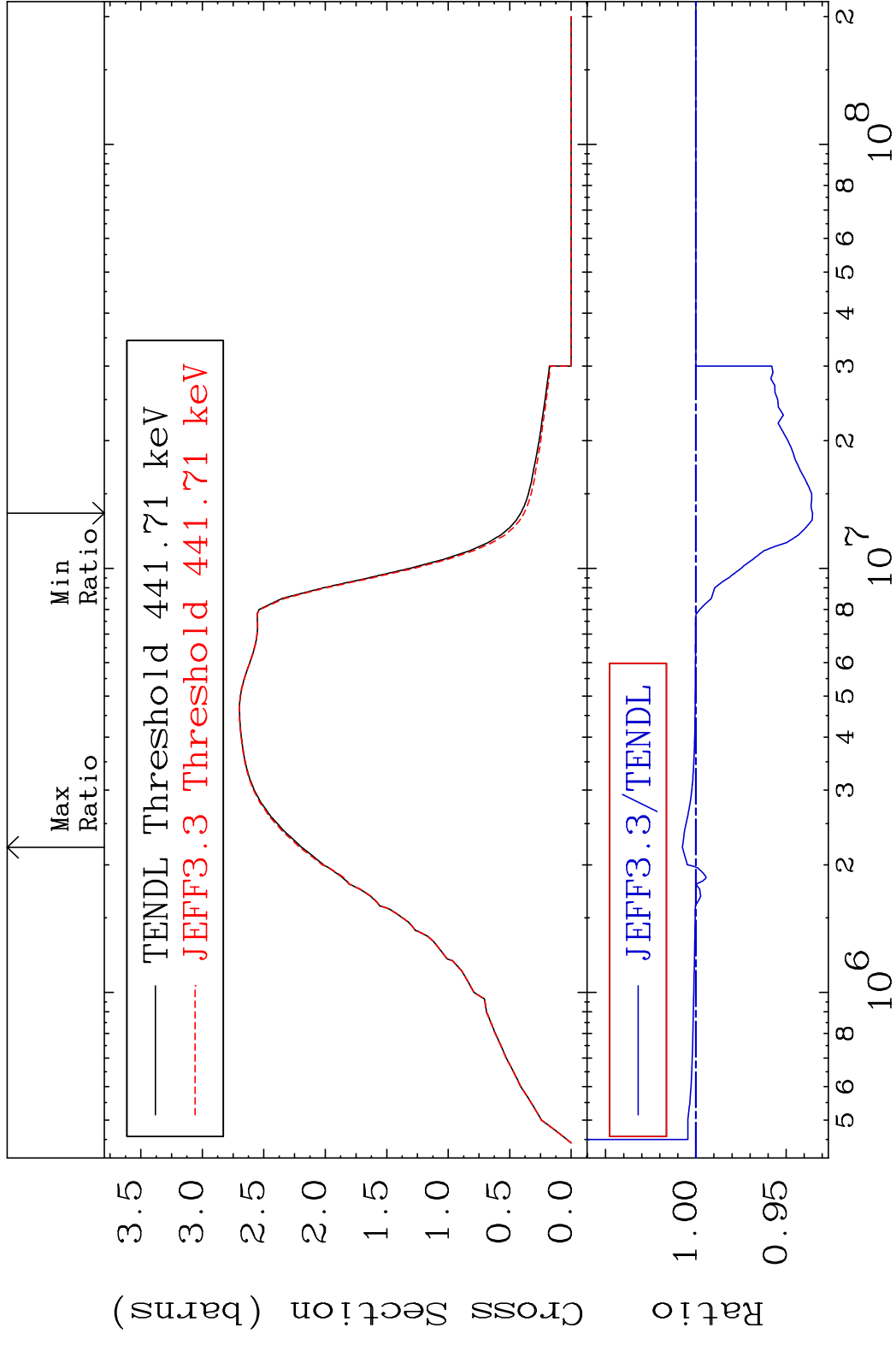


MAT 8043

Inelastic

80-Hg-202

Cross Section -6.461 To 0.750 %



3

Incident Energy (eV)

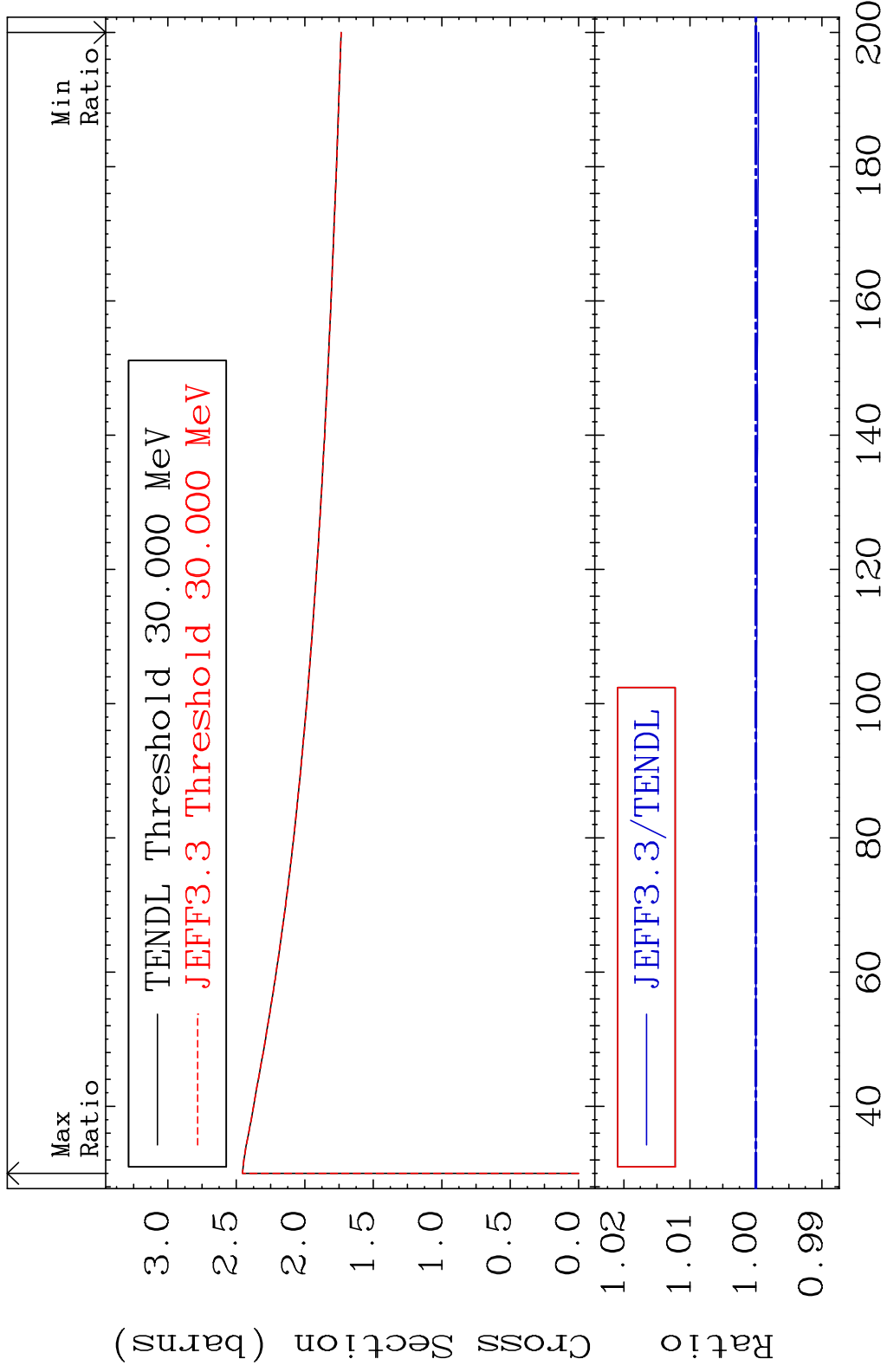
80-Hg-202

MAT 8043

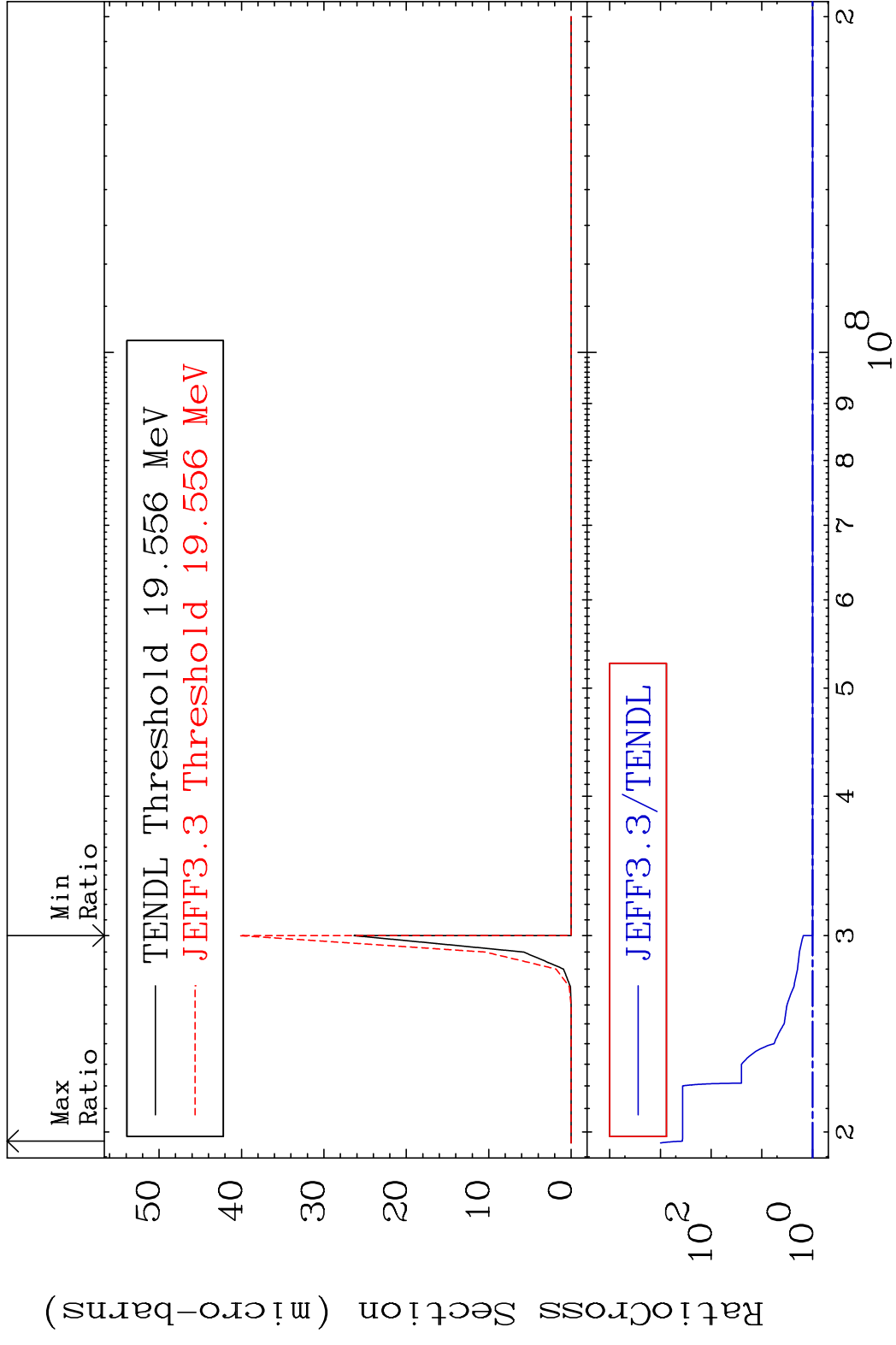
(n, remainder)

80-Hg-202

Cross Section -0.043 To 0.000 %



MAT 8043 (n,2n) d 80-Hg-202
 Cross Section 0.000 To 9999. %

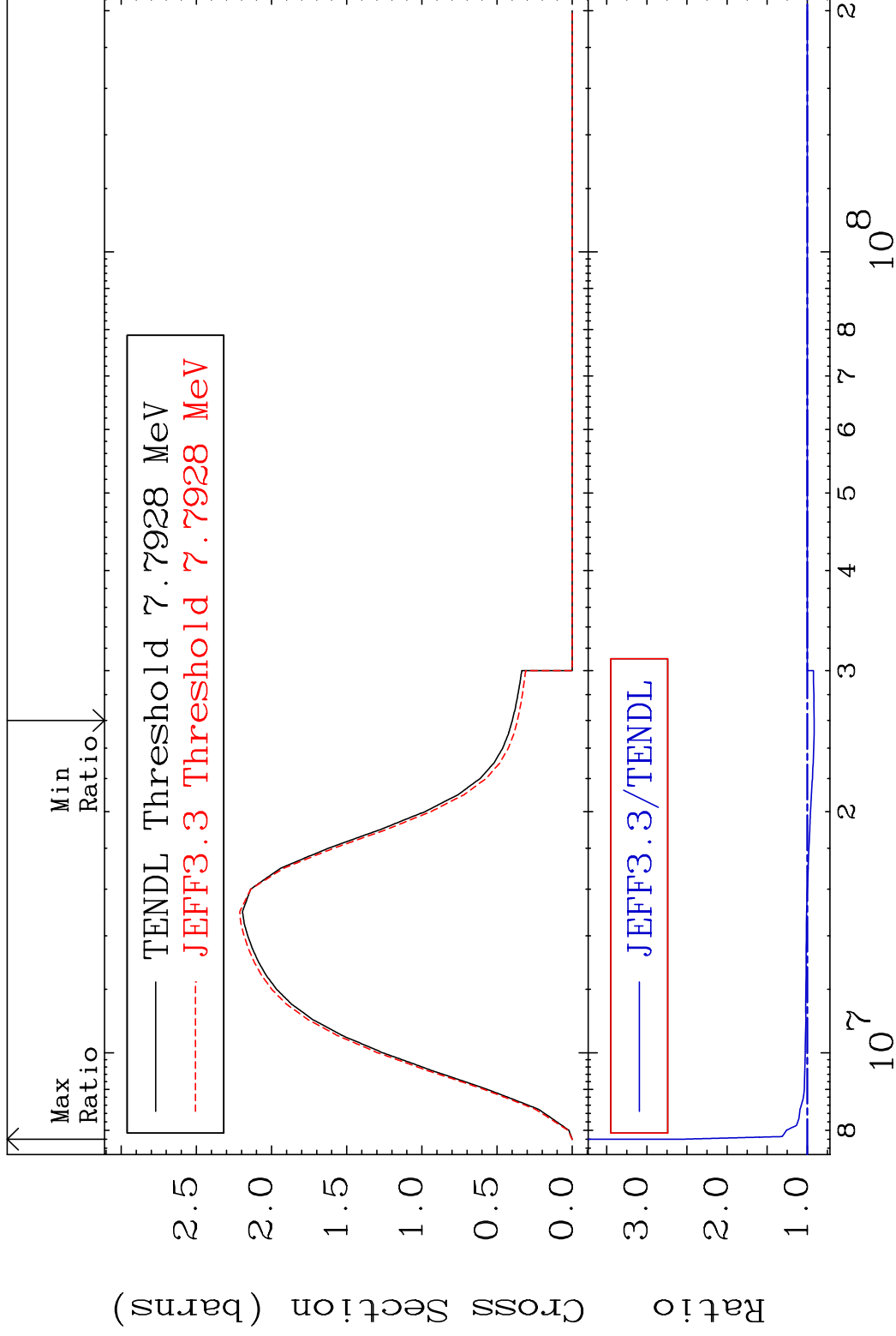


MAT 8043

(n,2n)

80-Hg-202

Cross Section -8.518 To 154.1 %



6

Incident Energy (eV)

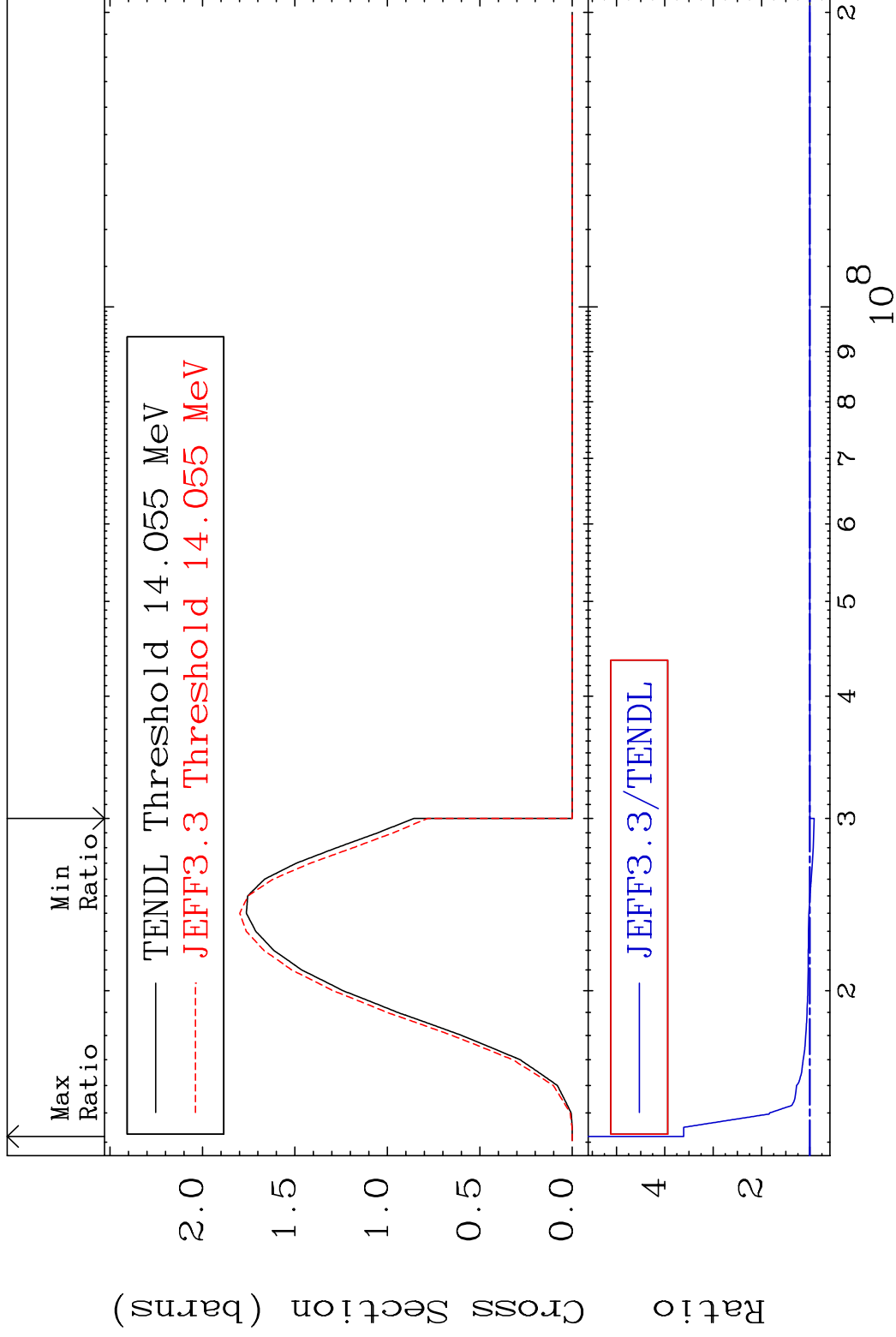
80-Hg-202

MAT 8043

(n,3n)

80-Hg-202

Cross Section -8.669 To 261.0 %



7

Incident Energy (eV)

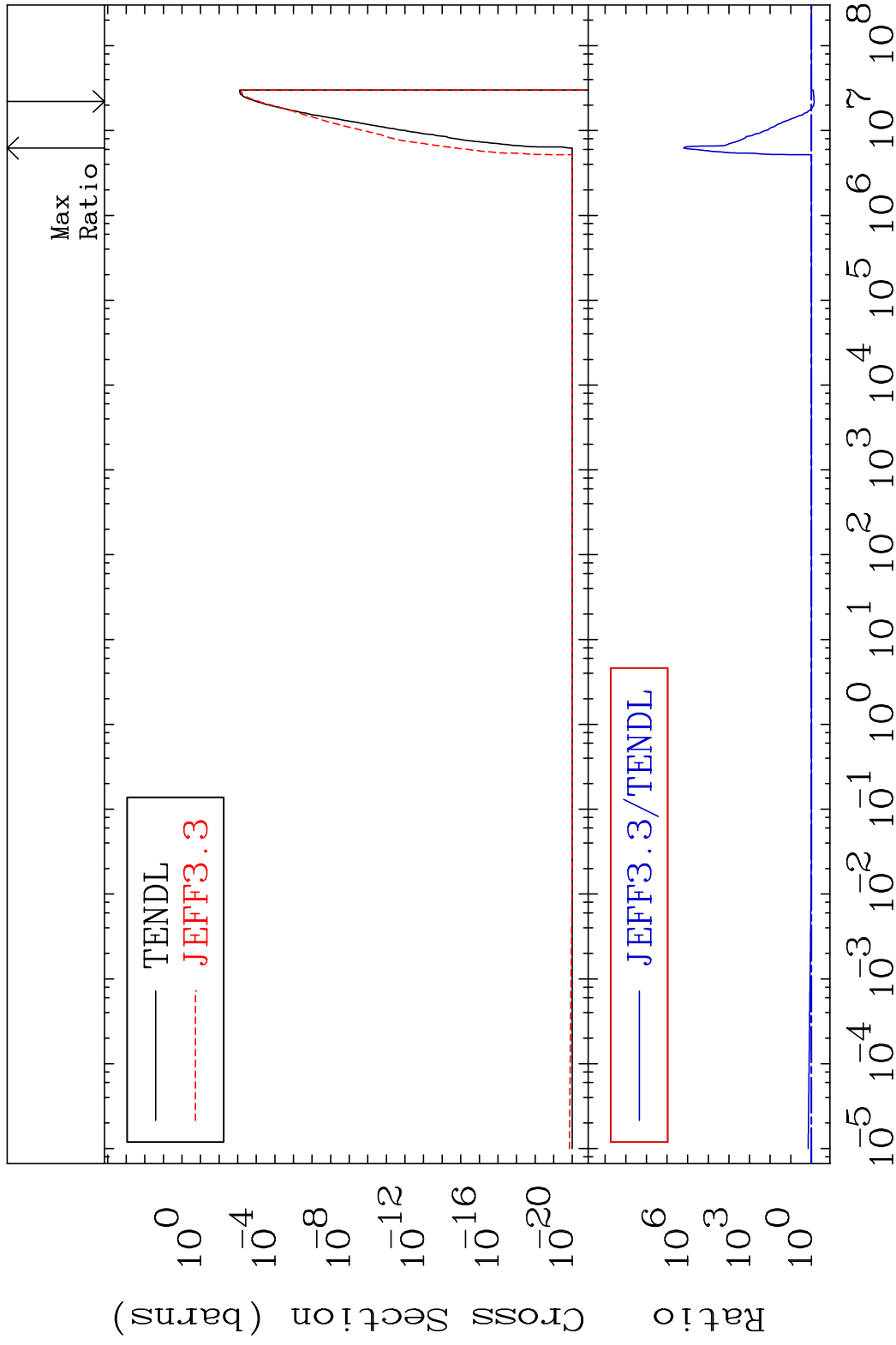
80-Hg-202

MAT 8043

(n, n') α

80-Hg-202

Cross Section -26.05 To 9999. %



8

Incident Energy (eV)

80-Hg-202

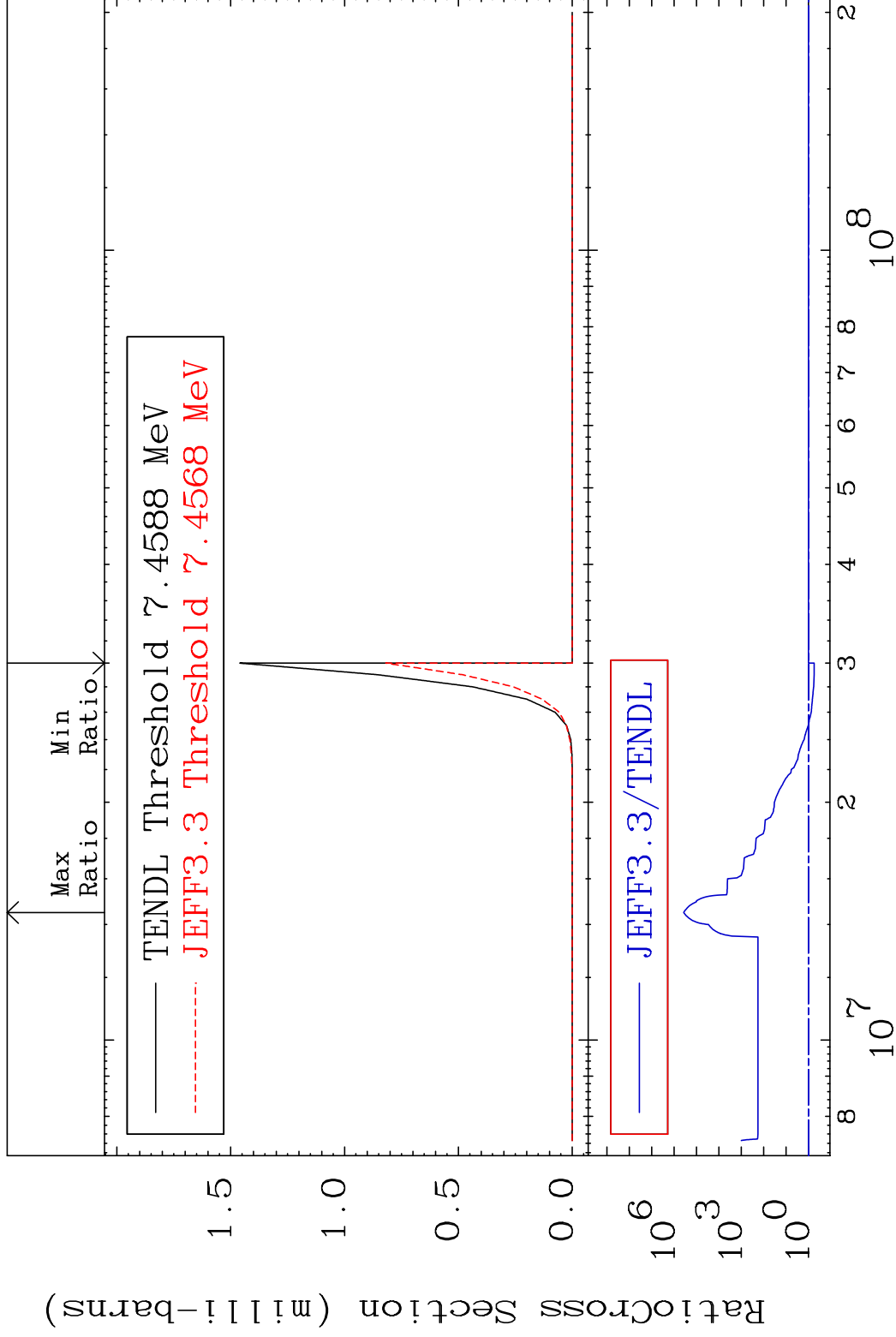
MAT 8043

(n,2n) α

80-Hg-202

Cross Section

-43.91 To 9999. %



9

Incident Energy (eV)

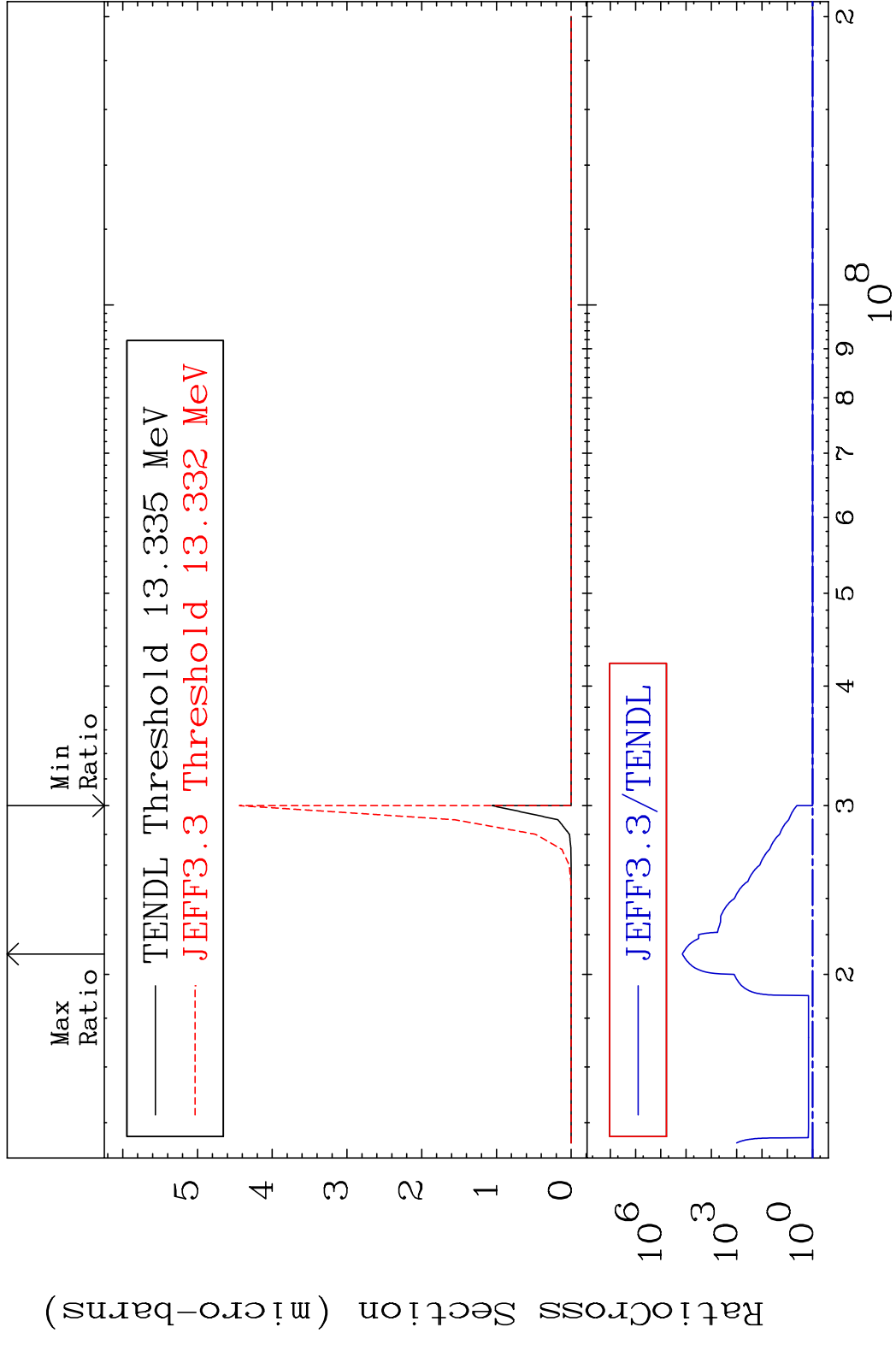
80-Hg-202

MAT 8043

(n,3n) α

80-Hg-202

Cross Section 0.000 To 9999. %

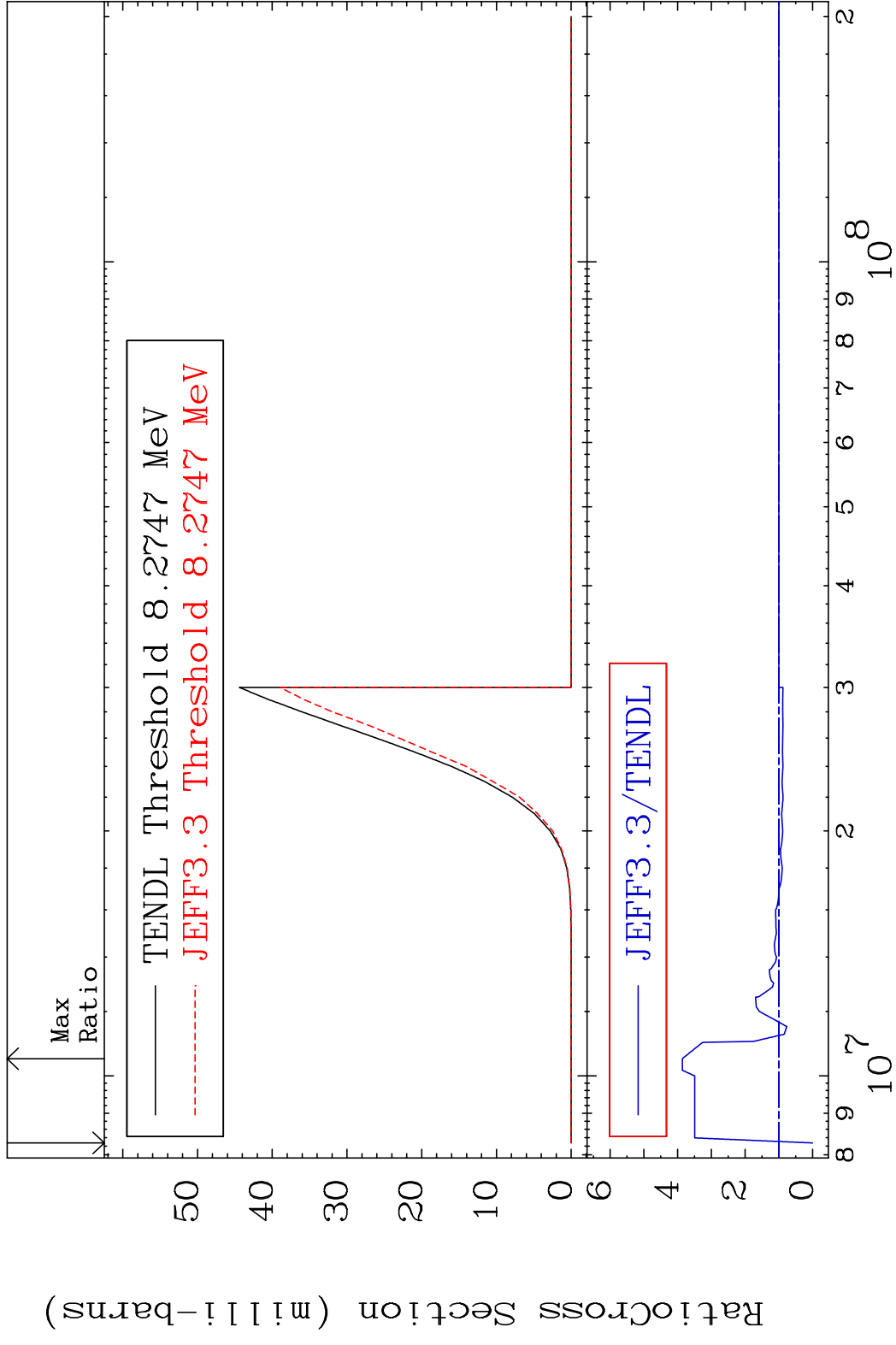


10

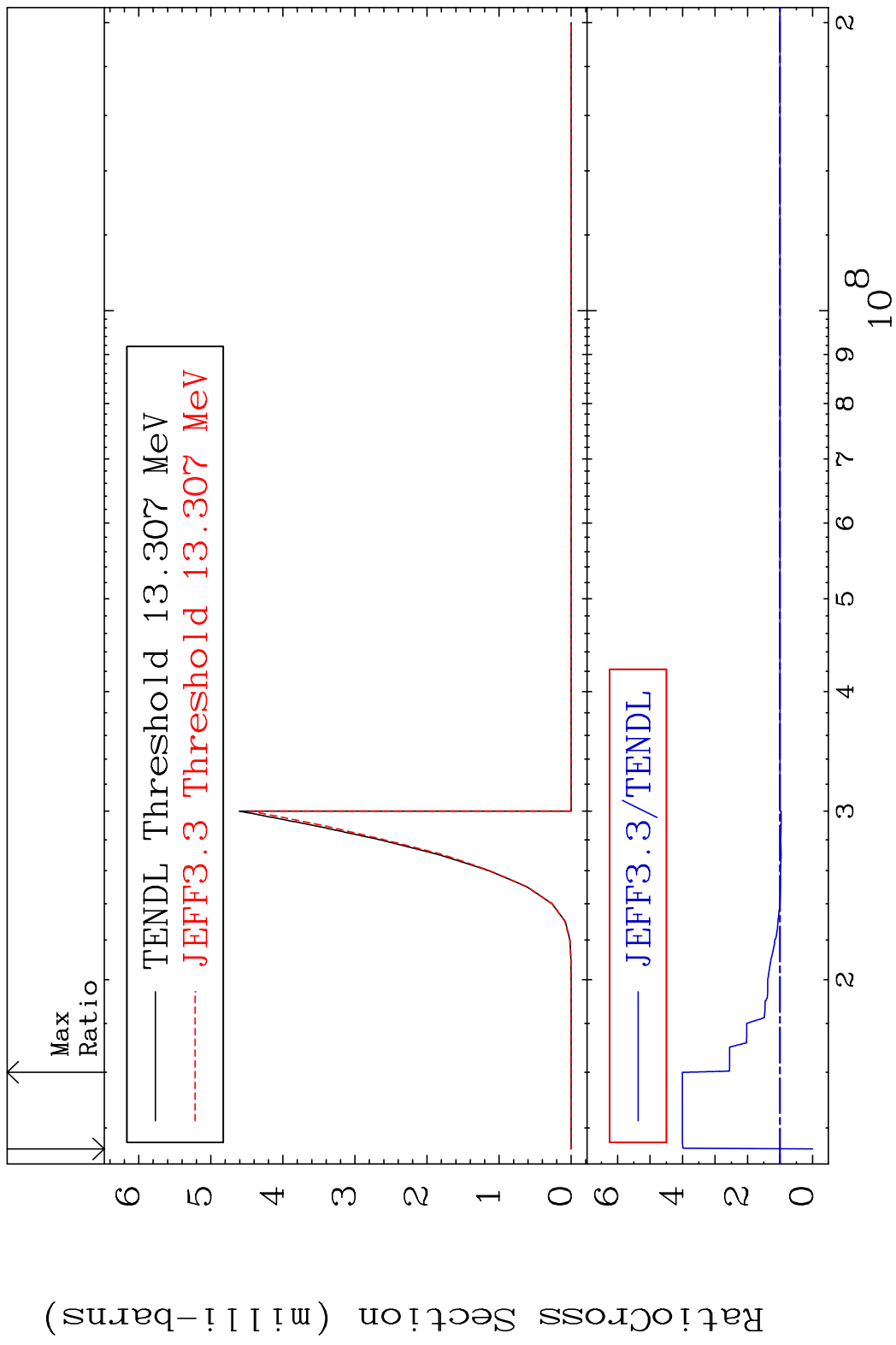
Incident Energy (eV)

80-Hg-202

MAT 8043 (n, n') p 80-Hg-202
 Cross Section -100.0 To 286.1 %



MAT 8043 (n, n') d 80-Hg-202
 Cross Section -100.0 To 300.7 %

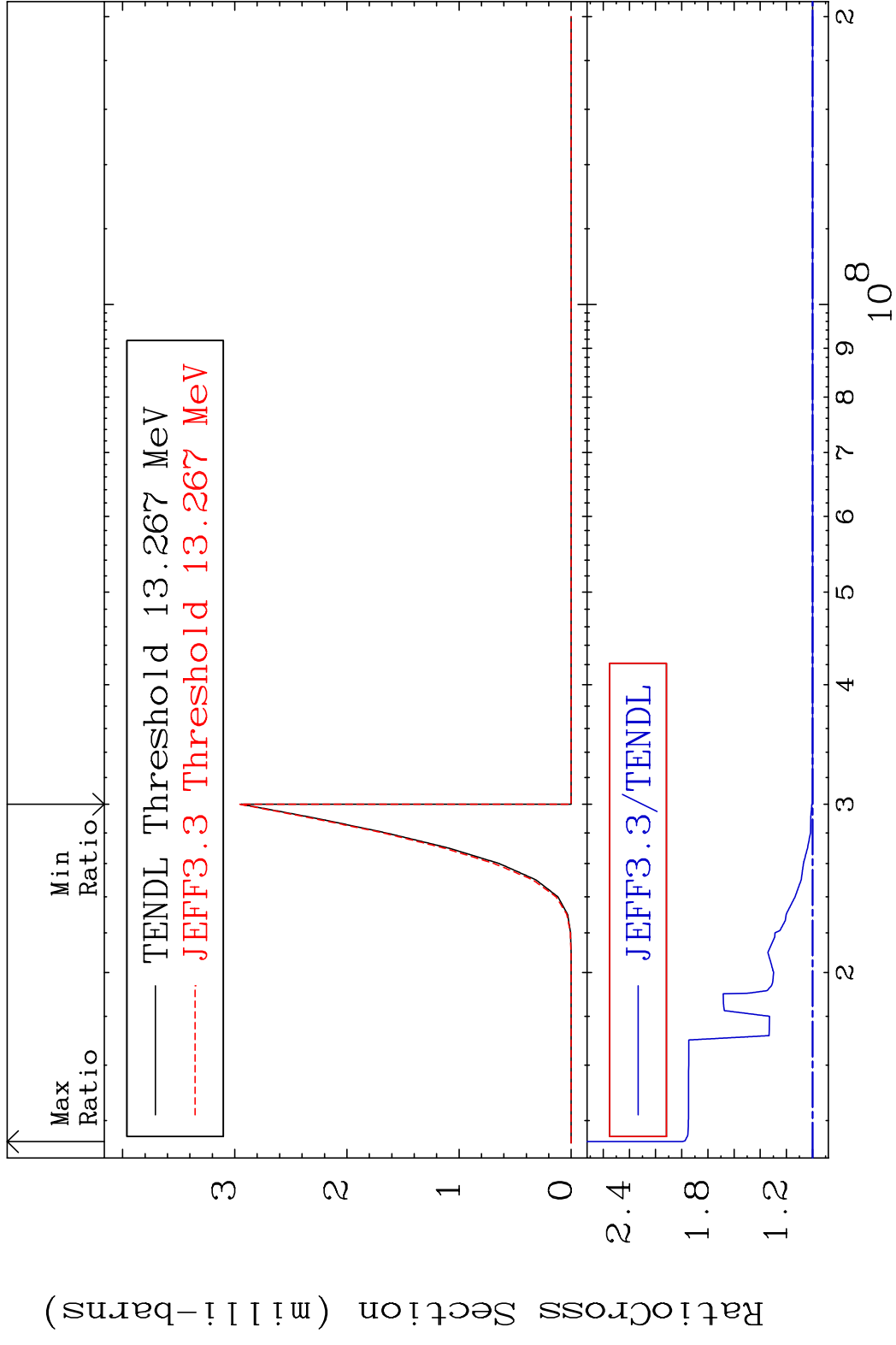


MAT 8043

(n, n') t

80-Hg-202

Cross Section 0.000 To 99.53 %



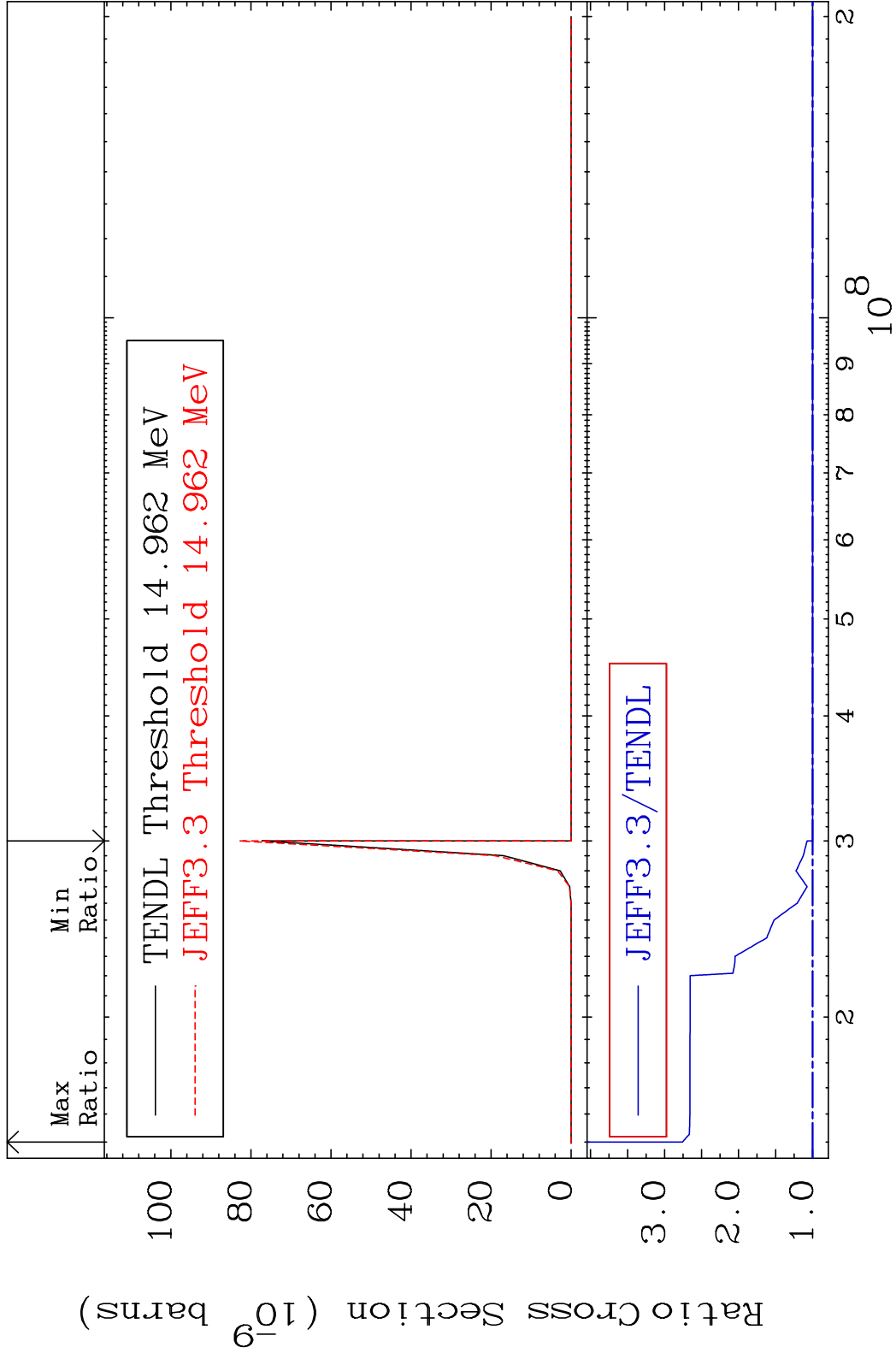
MAT 8043

(n,n') He-3

80-Hg-202

Cross Section 0.000

To 176.0 %

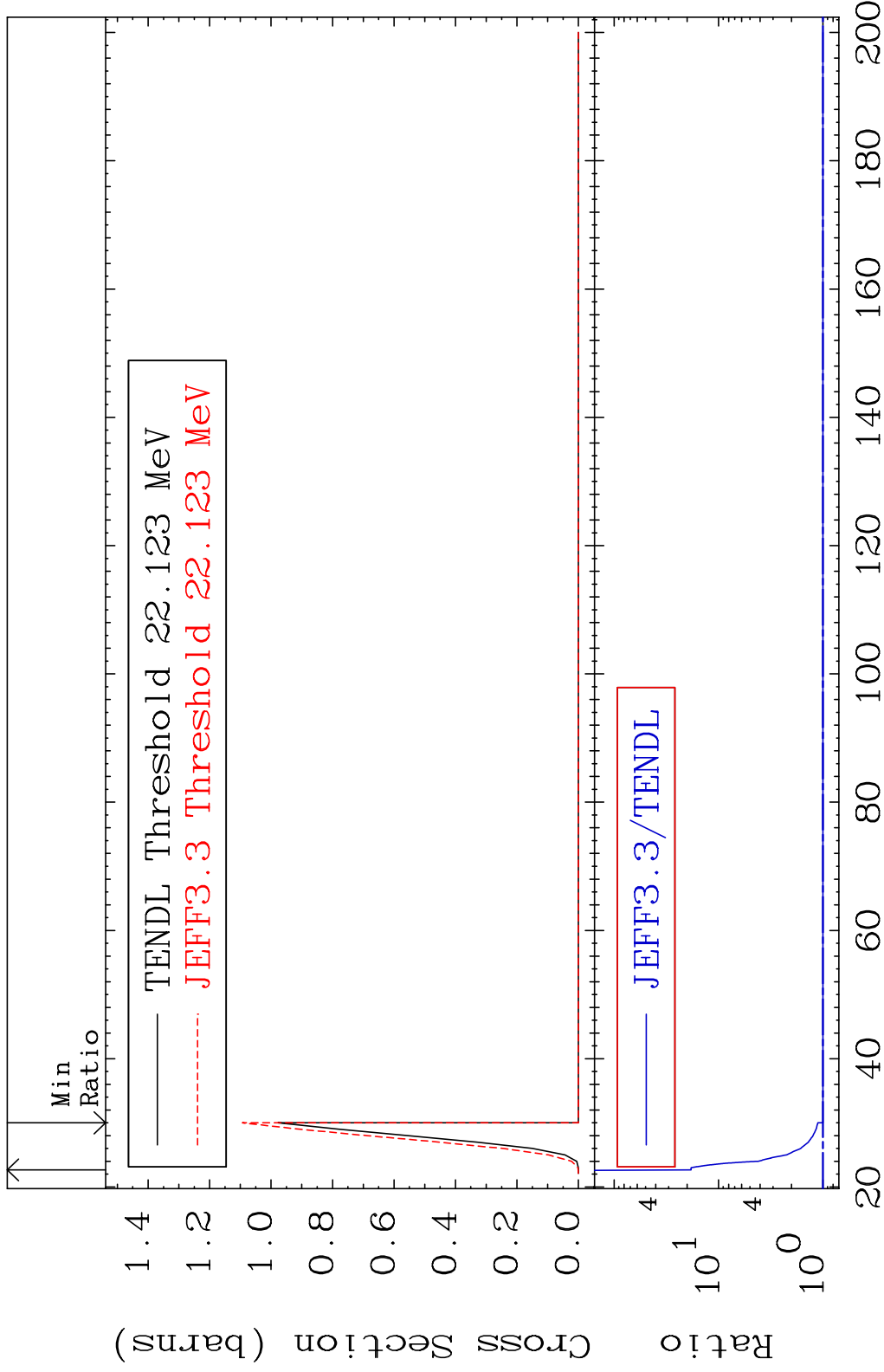


MAT 8043

(n, 4n)

80-Hg-202

Cross Section 0.000 To 1732. %

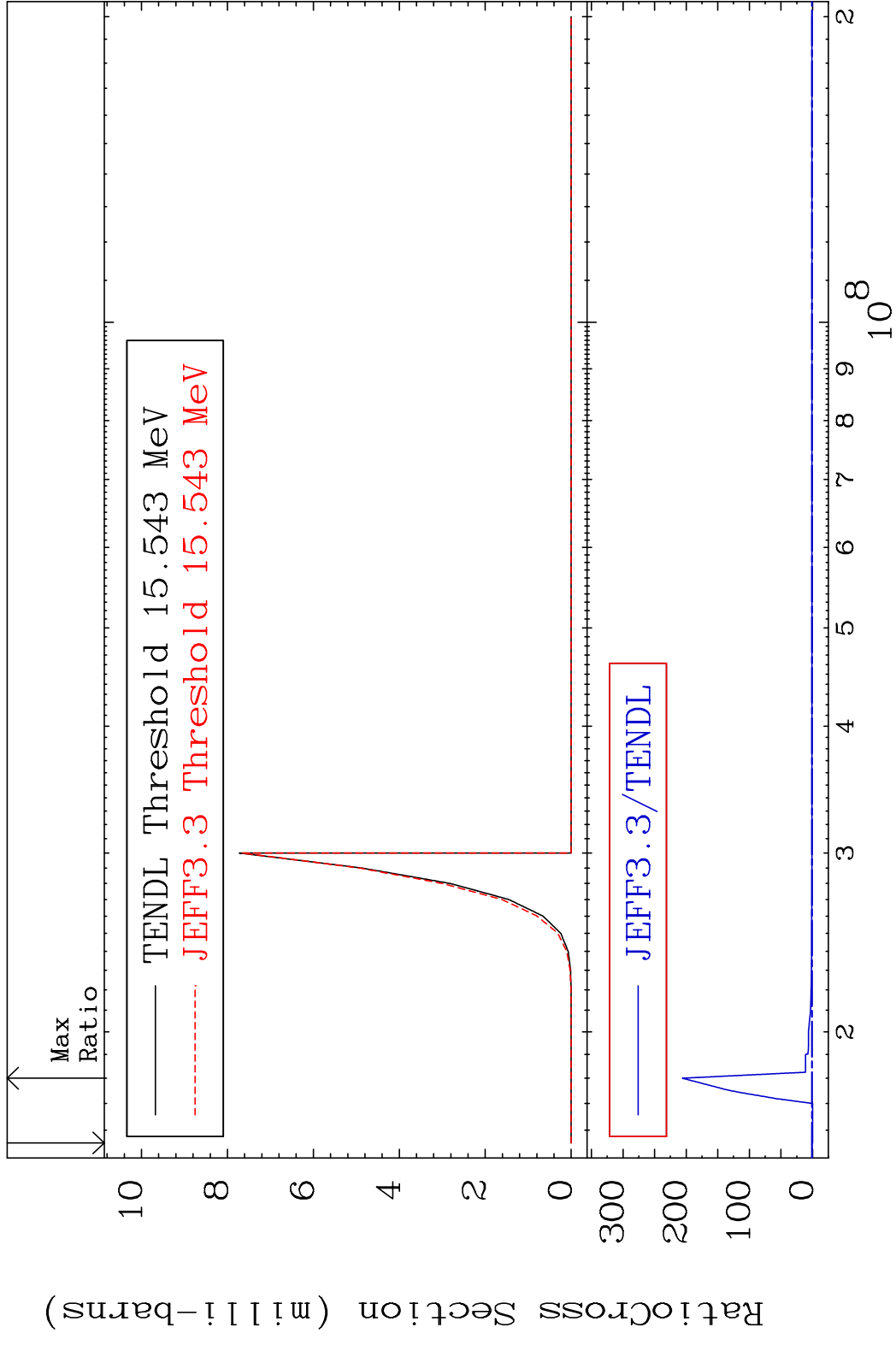


15

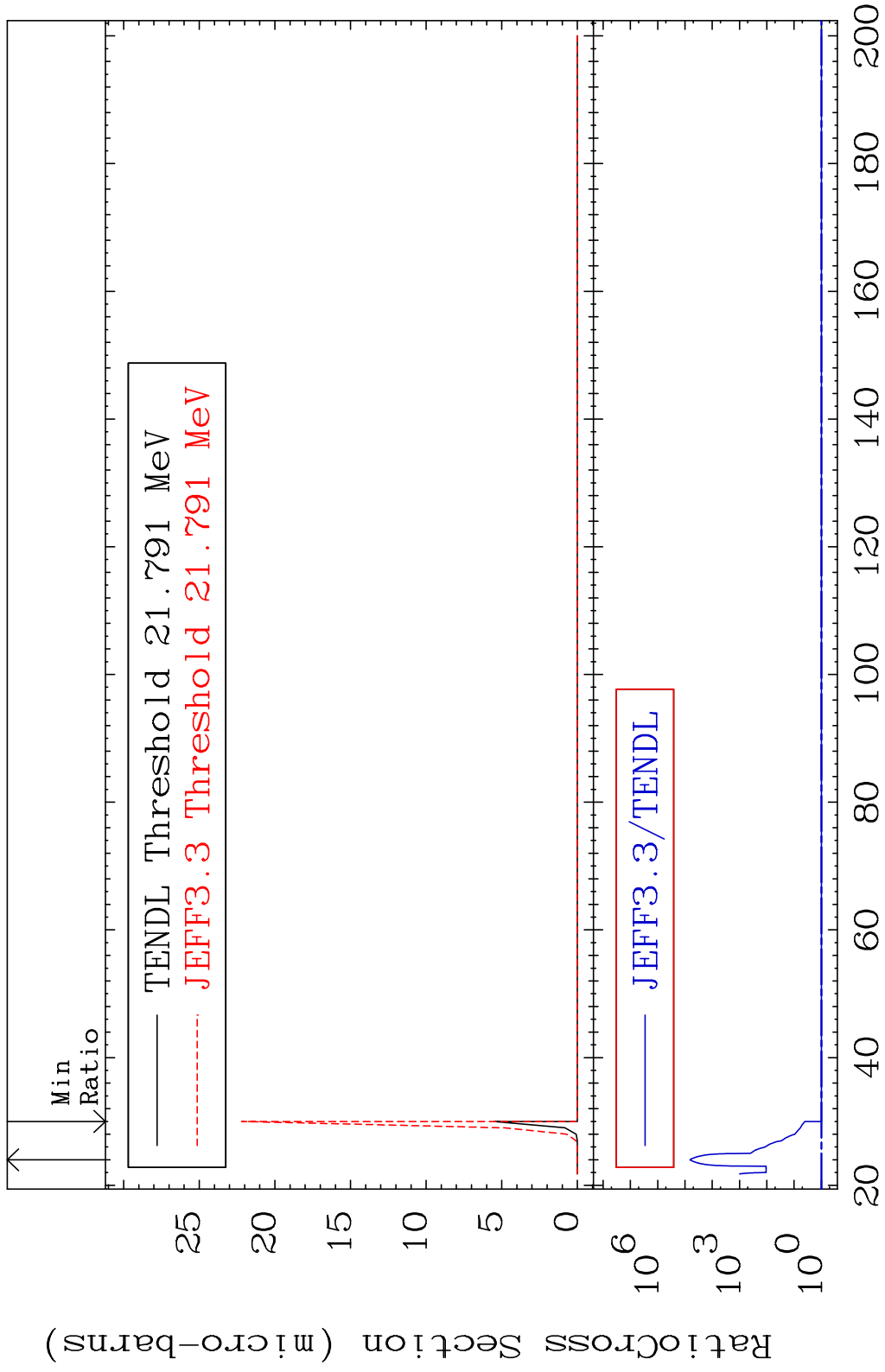
Incident Energy (MeV)

80-Hg-202

MAT 8043 (n,2n) p 80-Hg-202
 Cross Section -100.0 To 9999. %



MAT 8043 (n,3n) p 80-Hg-202
 Cross Section 0.000 To 9999. %



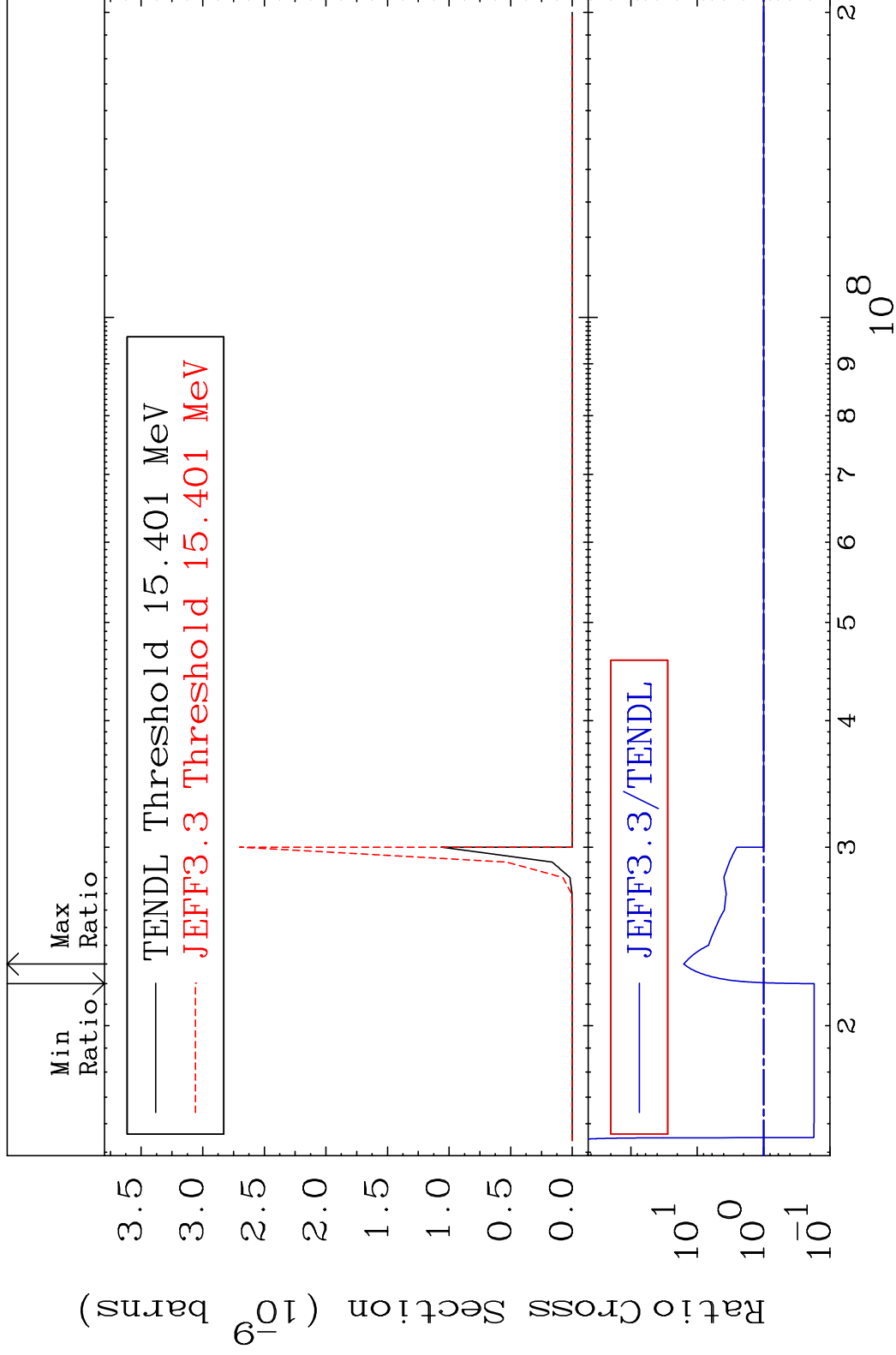
MAT 8043

(n,2n) p

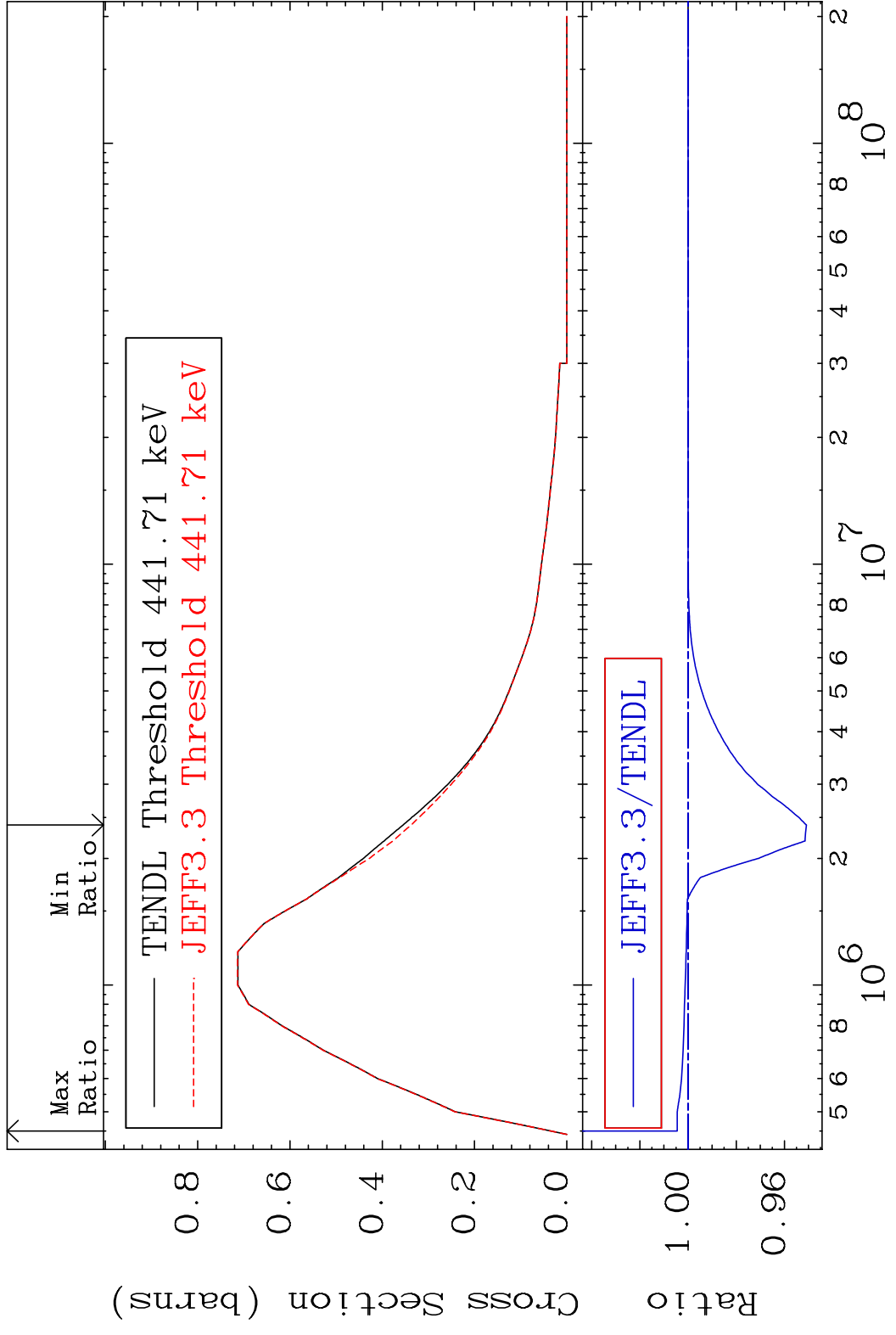
80-Hg-202

Cross Section

-82.70 To 1501. %



MAT 8043 MT= 51 (n, n') Level 80-Hg-202
 Cross Section -4.914 To 0.450 %

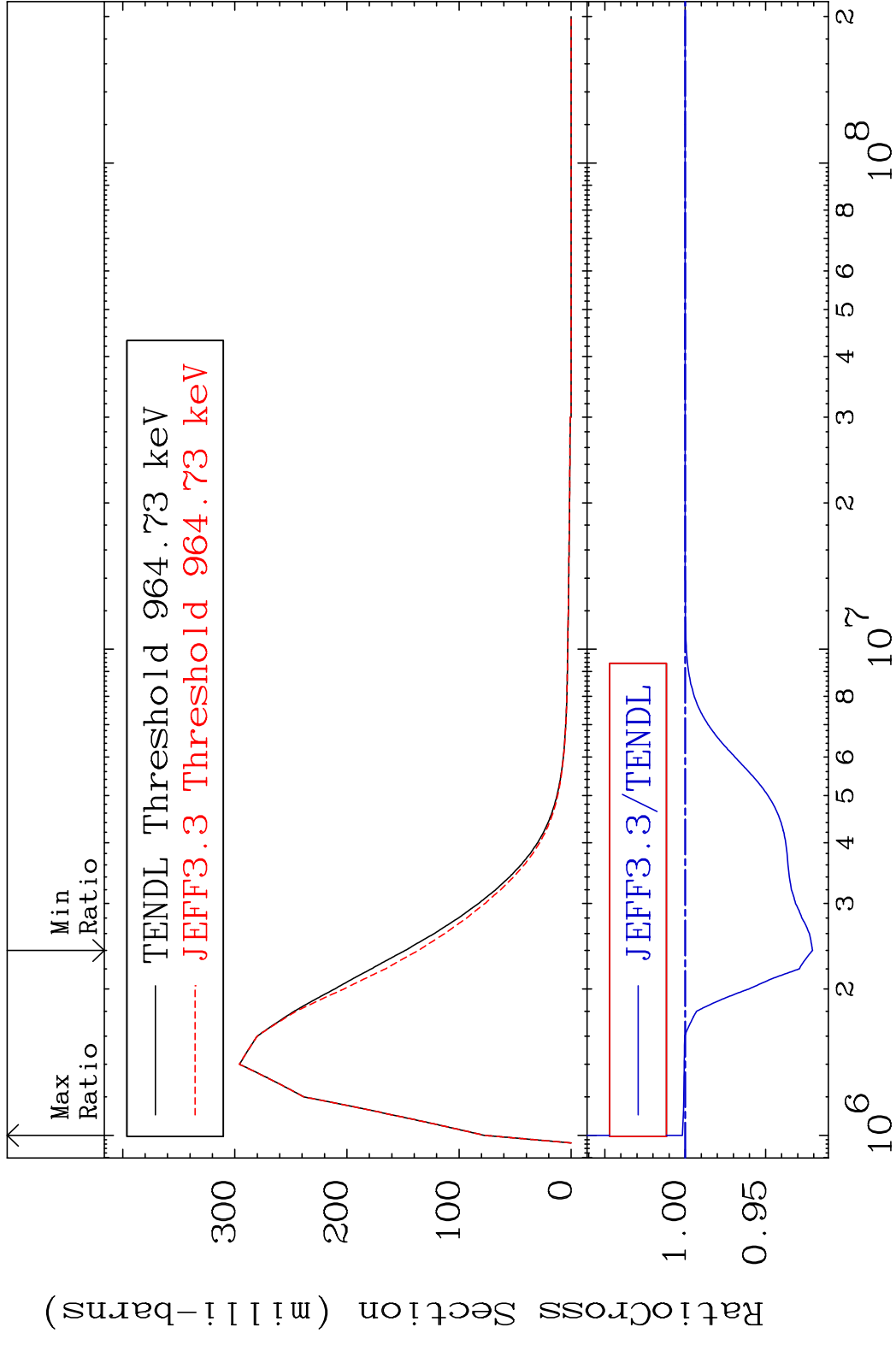


MAT 8043

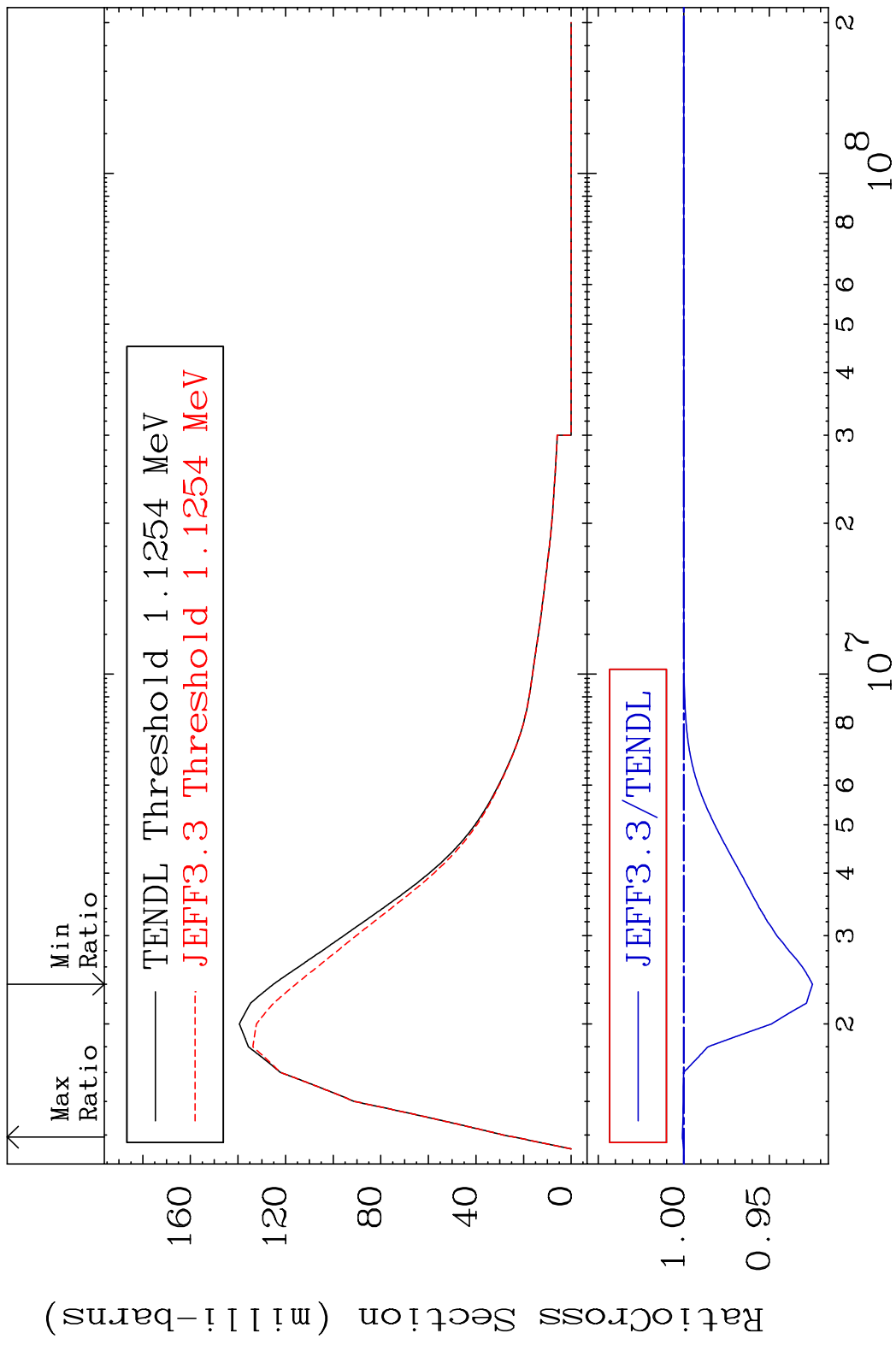
MT= 52 (n, n') Level

80-Hg-202

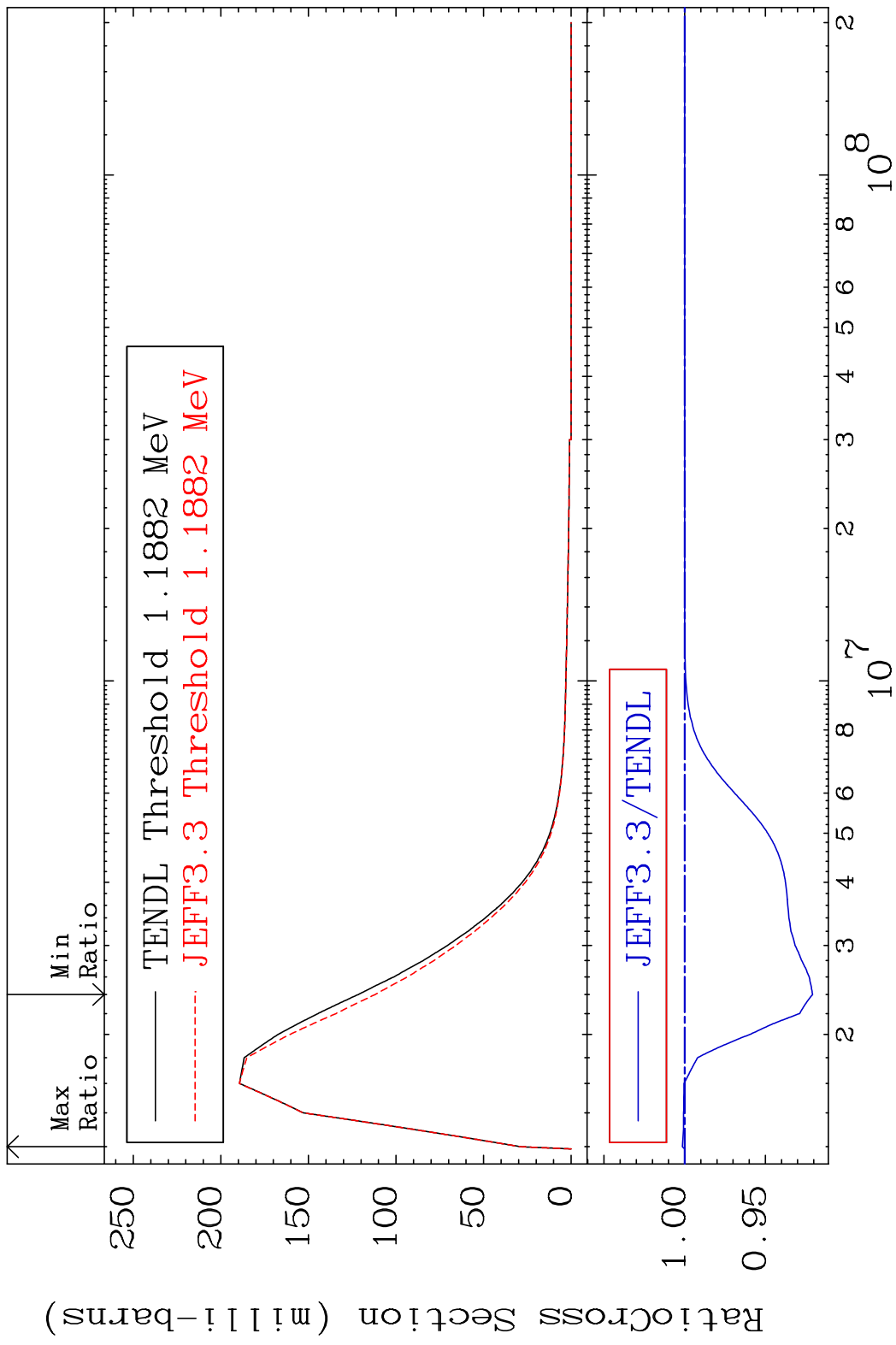
Cross Section -7.920 To 0.178 %



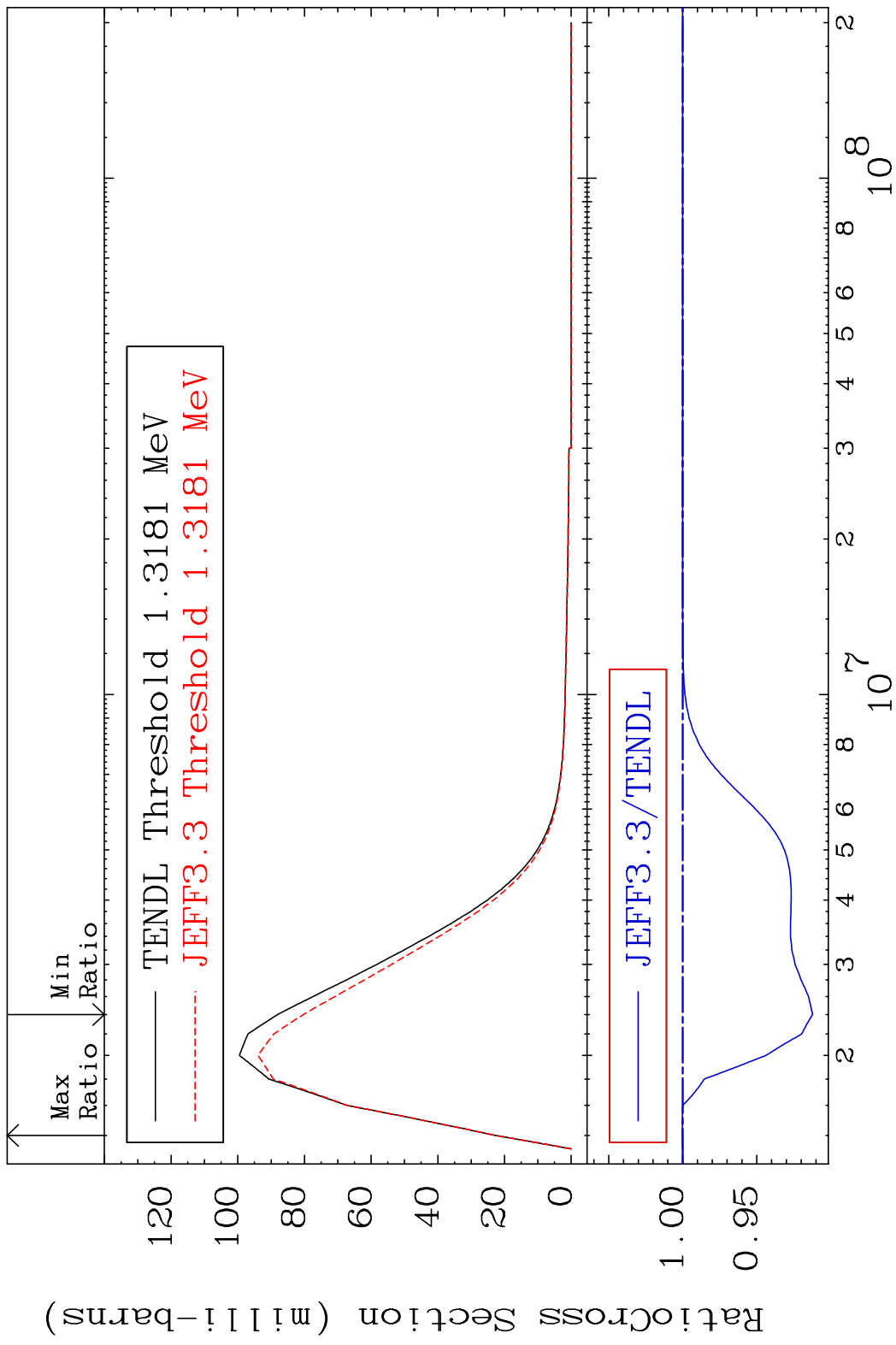
MAT 8043 MT= 53 (n, n') Level 80-Hg-202
 Cross Section -7.524 To 0.082 %



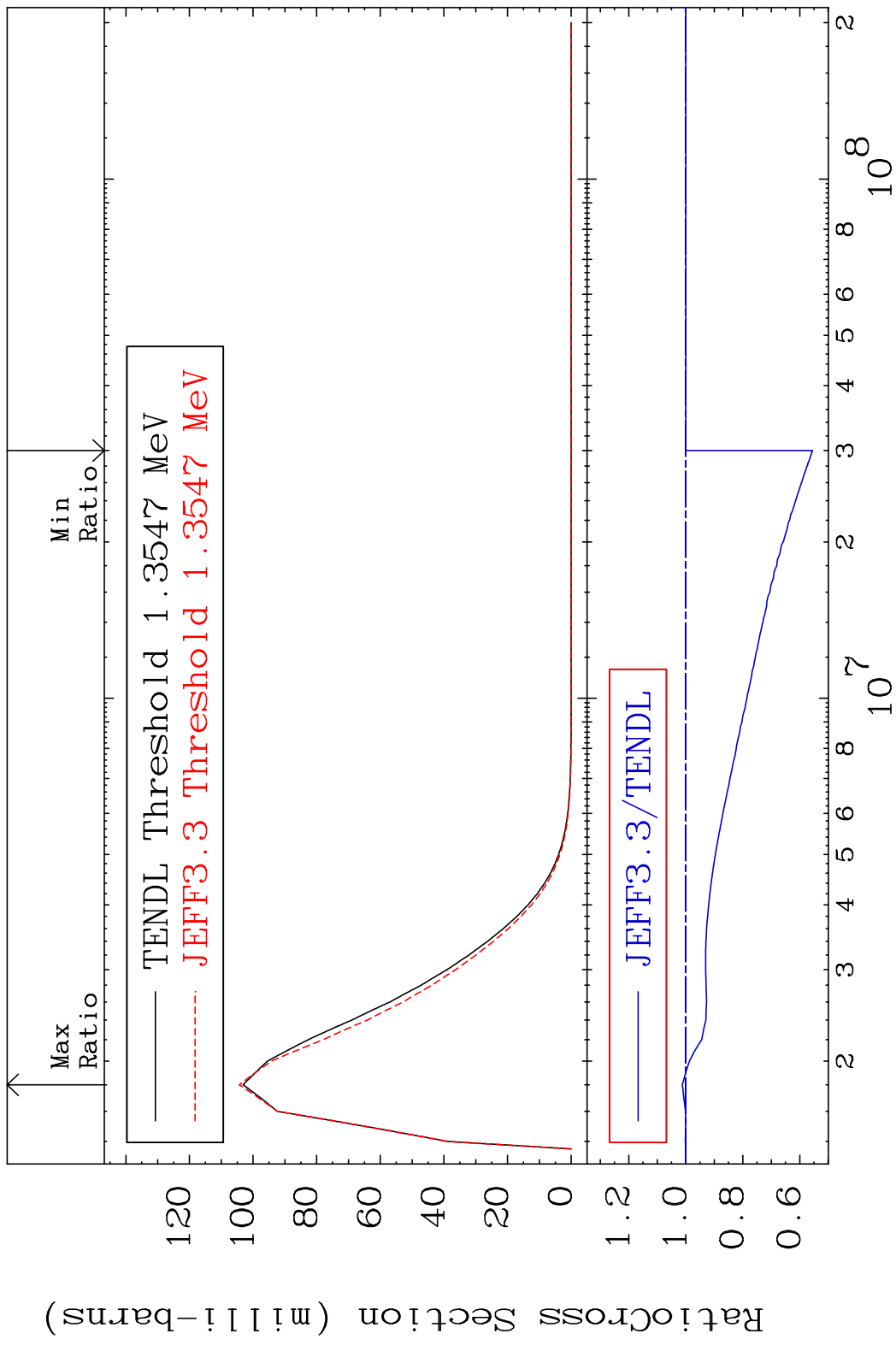
MAT 8043 MT= 54 (n, n') Level 80-Hg-202
 Cross Section -7.924 To 0.144 %



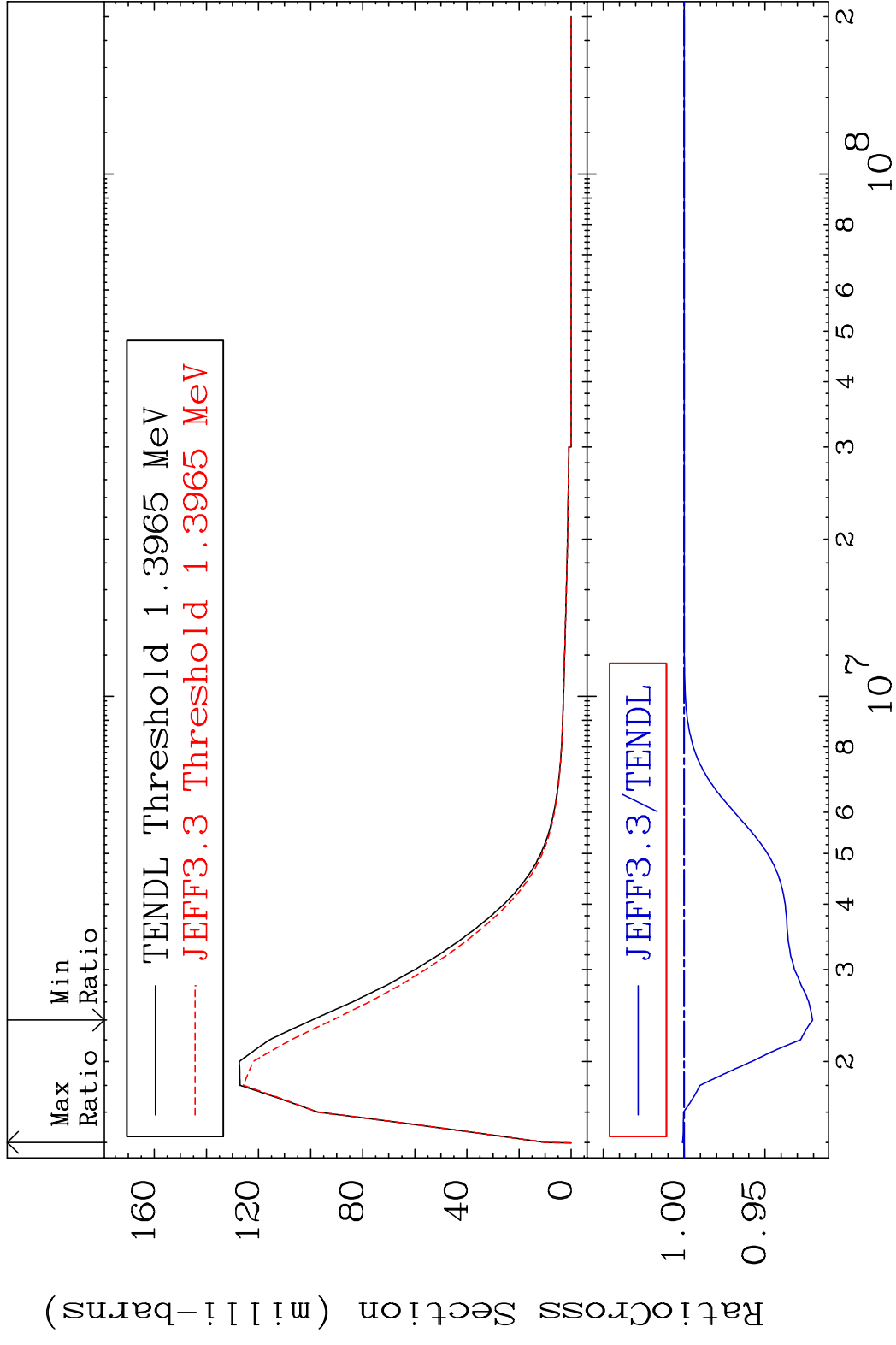
MAT 8043 MT= 55 (n,n') Level 80-Hg-202
 Cross Section -8.771 To 0.022 %



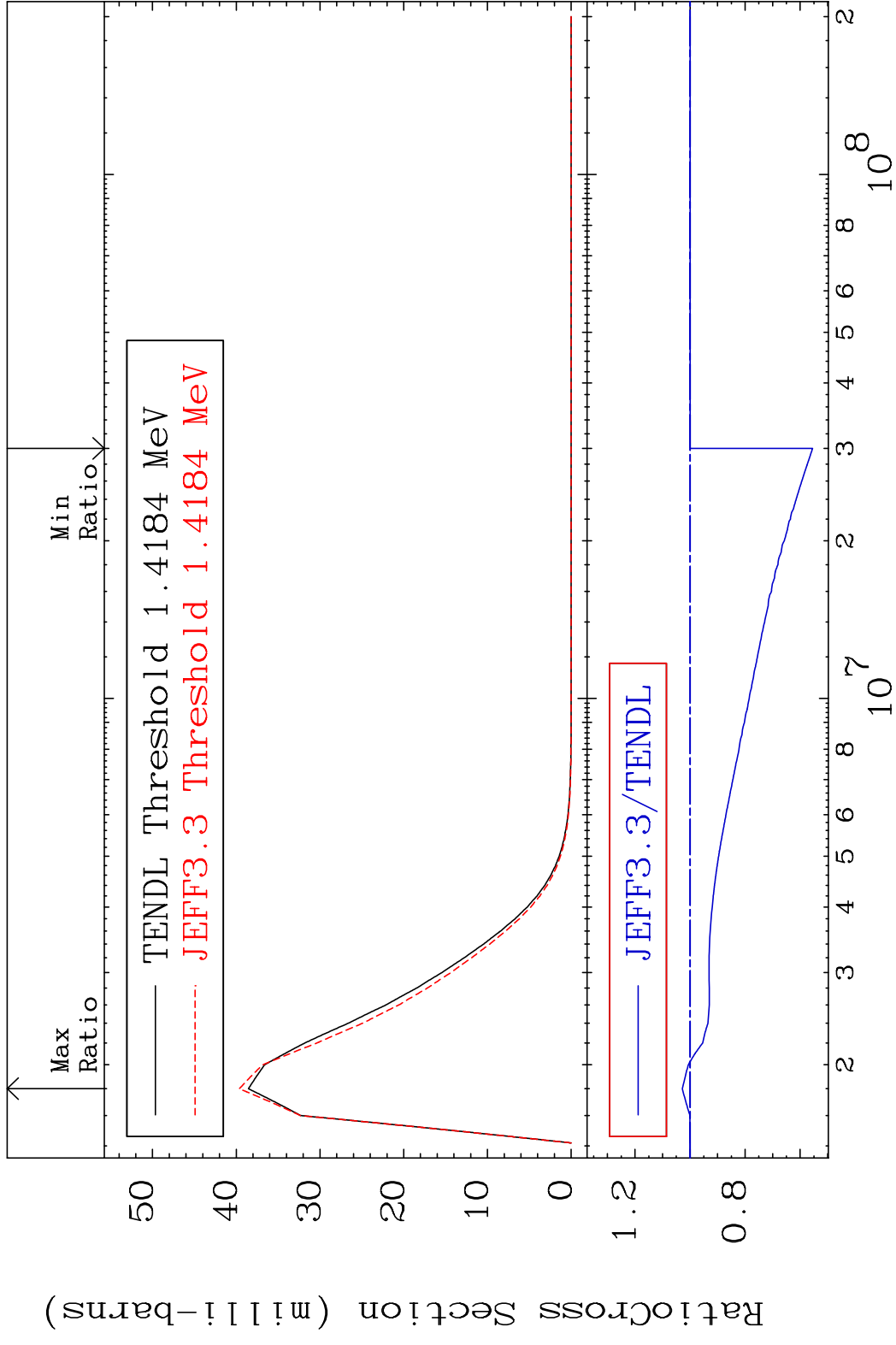
MAT 8043 MT= 56 (n, n') Level 80-Hg-202
 Cross Section -44.50 To 1.173 %



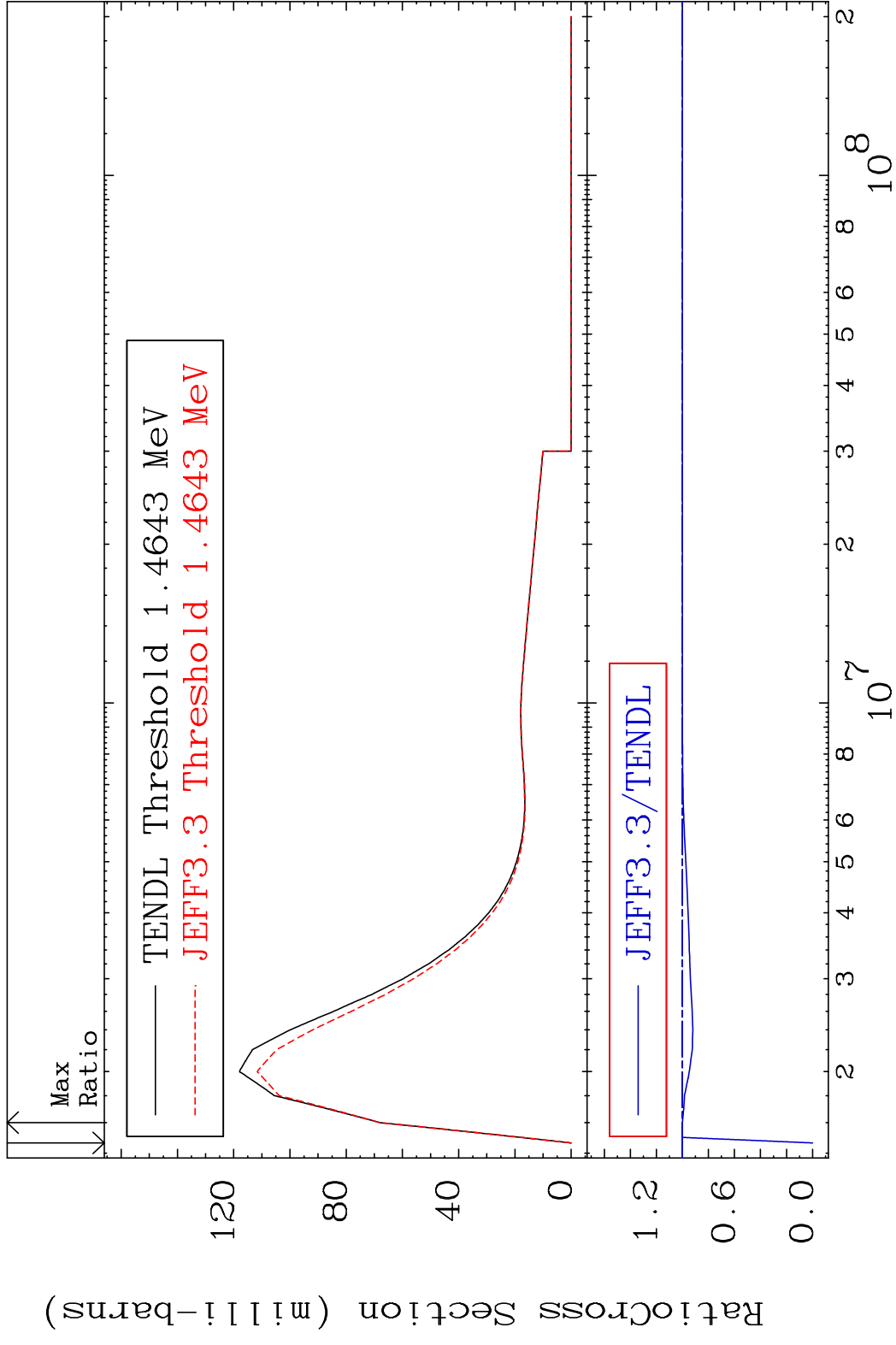
MAT 8043 MT= 57 (n, n') Level 80-Hg-202
 Cross Section -7.937 To 0.110 %



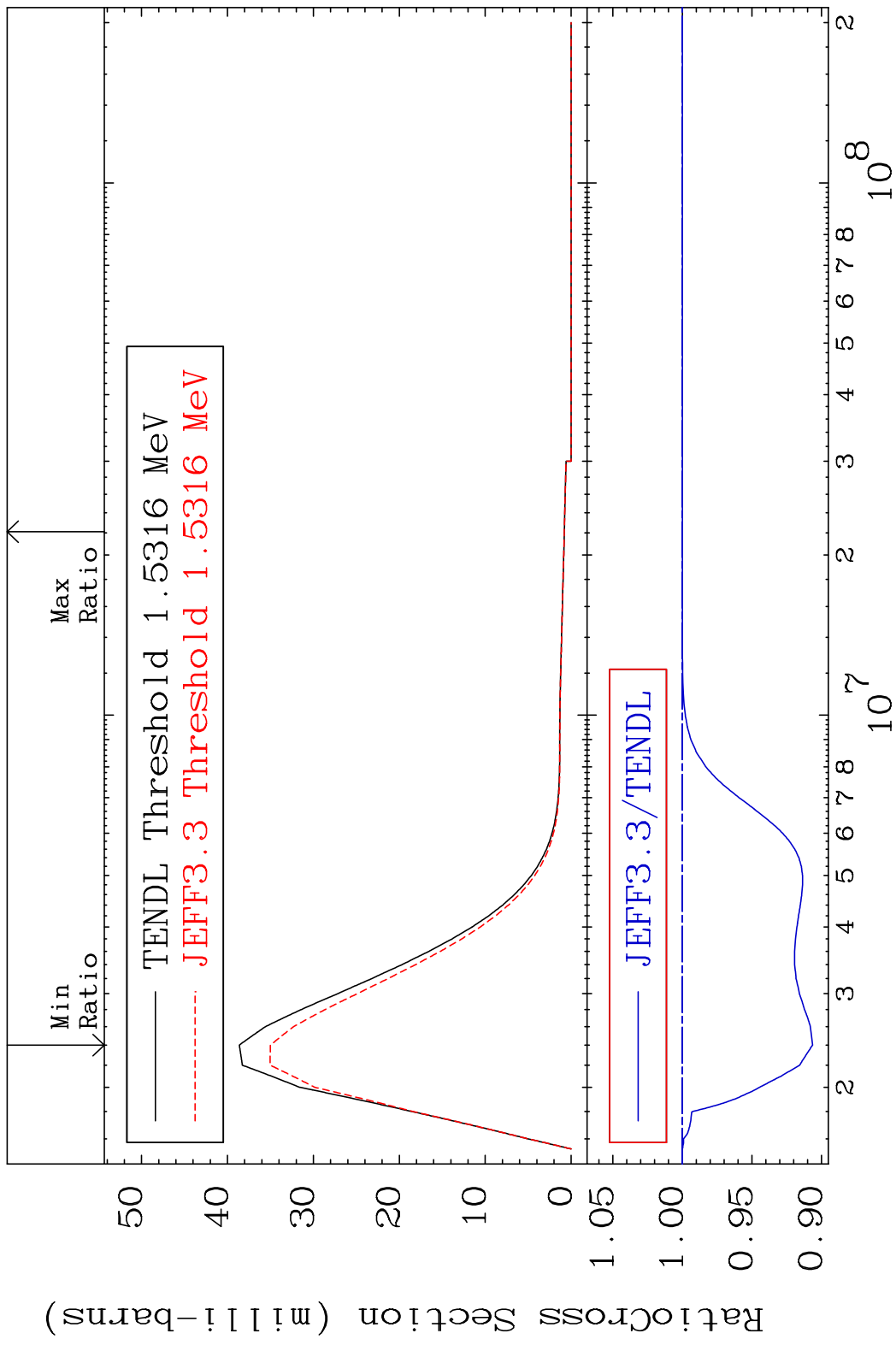
MAT 8043 MT= 58 (n, n') Level 80-Hg-202
 Cross Section -44.50 To 2.798 %



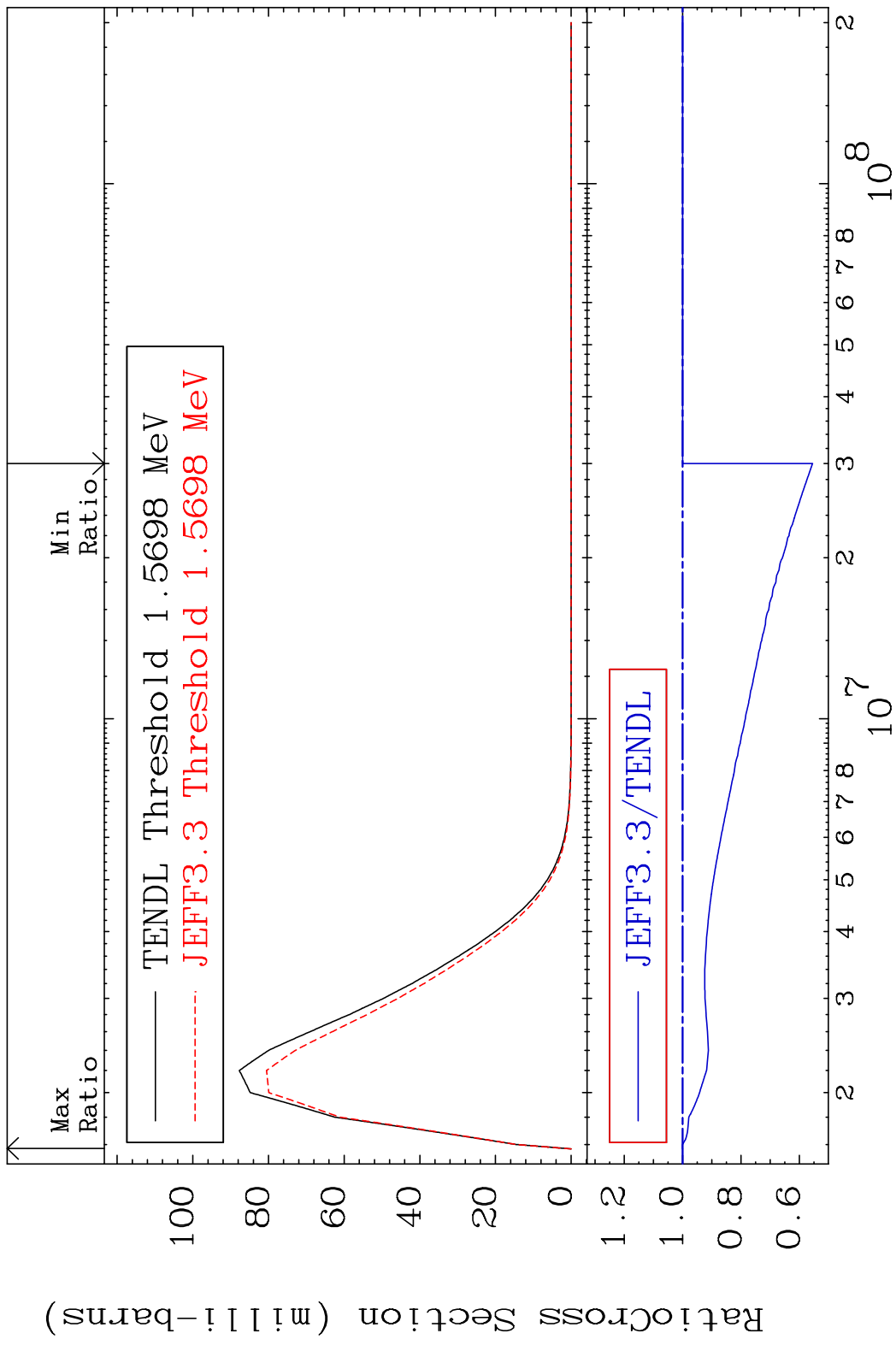
MAT 8043 MT= 59 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 0.024 %



MAT 8043 MT= 60 (n, n') Level 80-Hg-202
 Cross Section -9.360 To 0.000 %

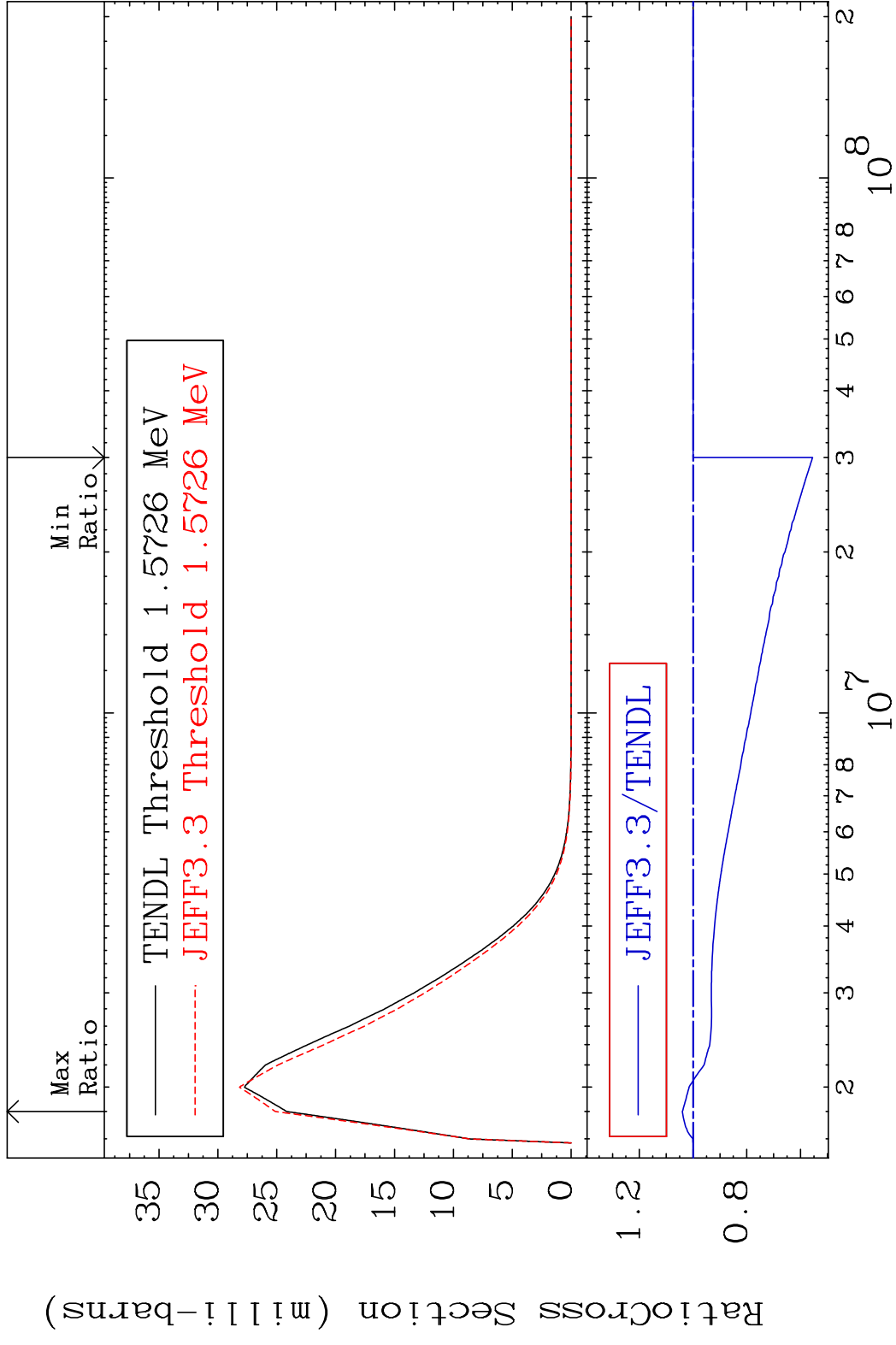


MAT 8043 MT= 61 (n, n') Level 80-Hg-202
 Cross Section -44.49 To 0.080 %



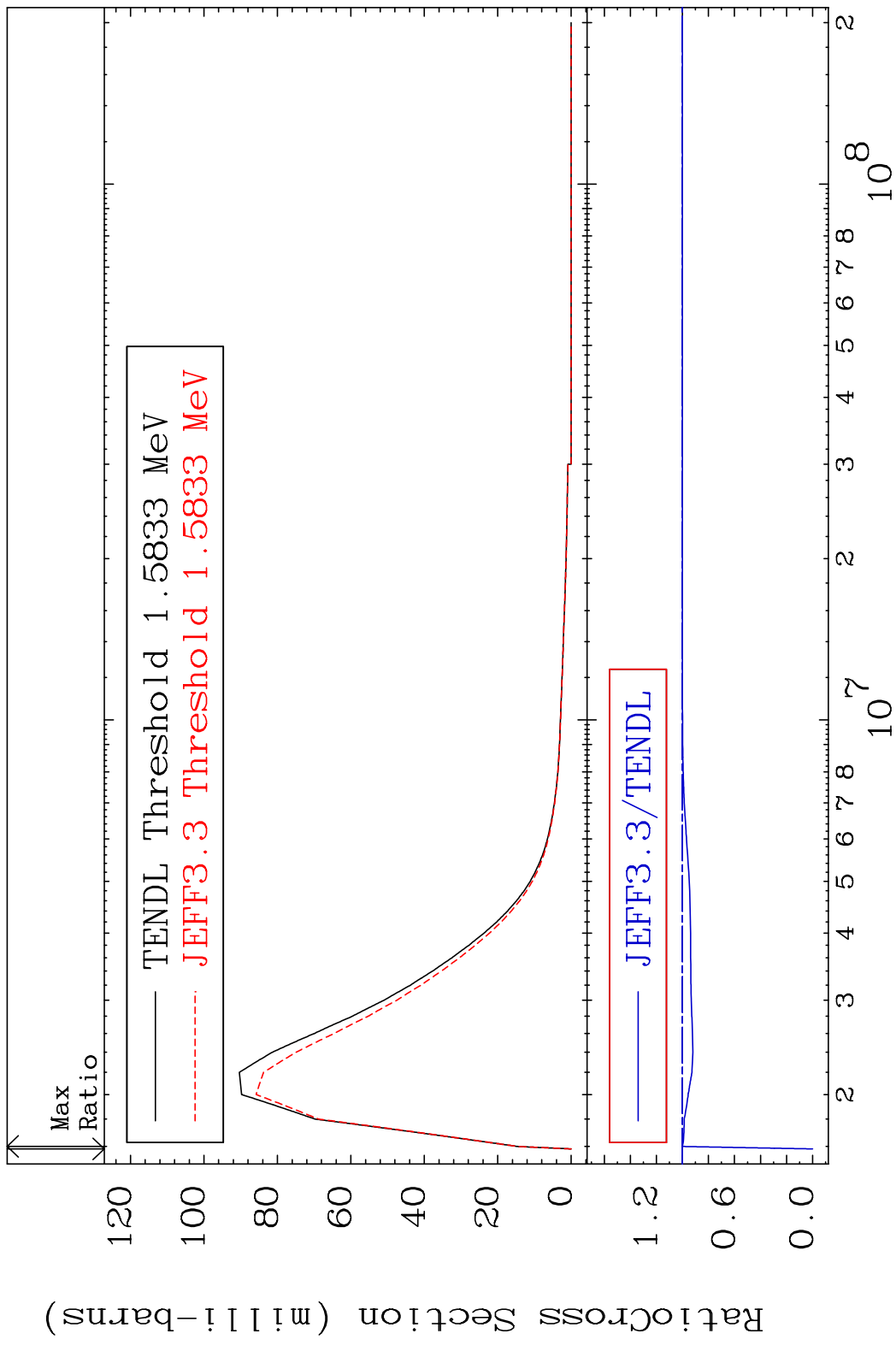
29 Incident Energy (eV) 80-Hg-202

MAT 8043 MT= 62 (n, n') Level 80-Hg-202
 Cross Section -44.50 To 3.989 %

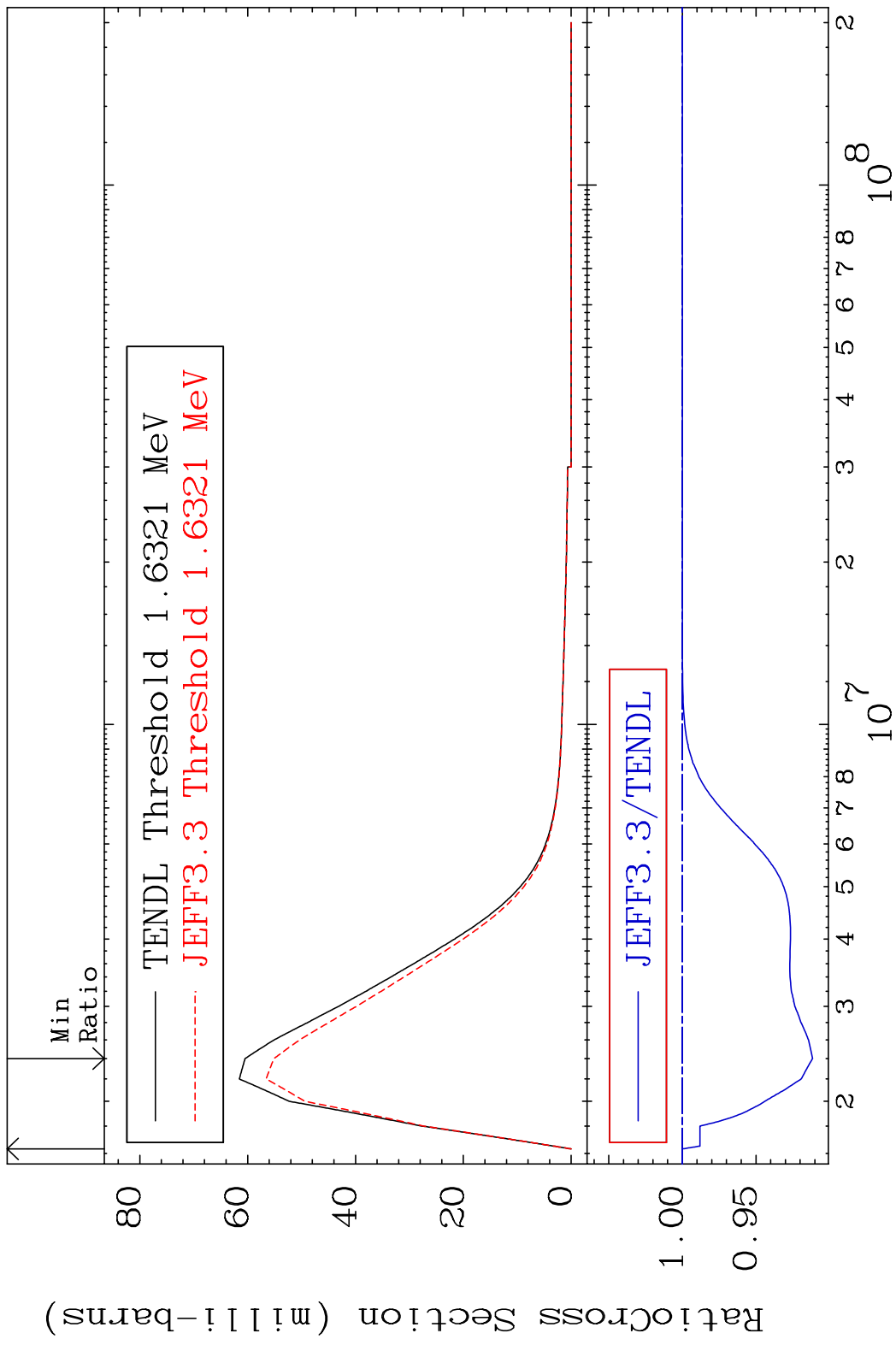


30 Incident Energy (eV) 80-Hg-202

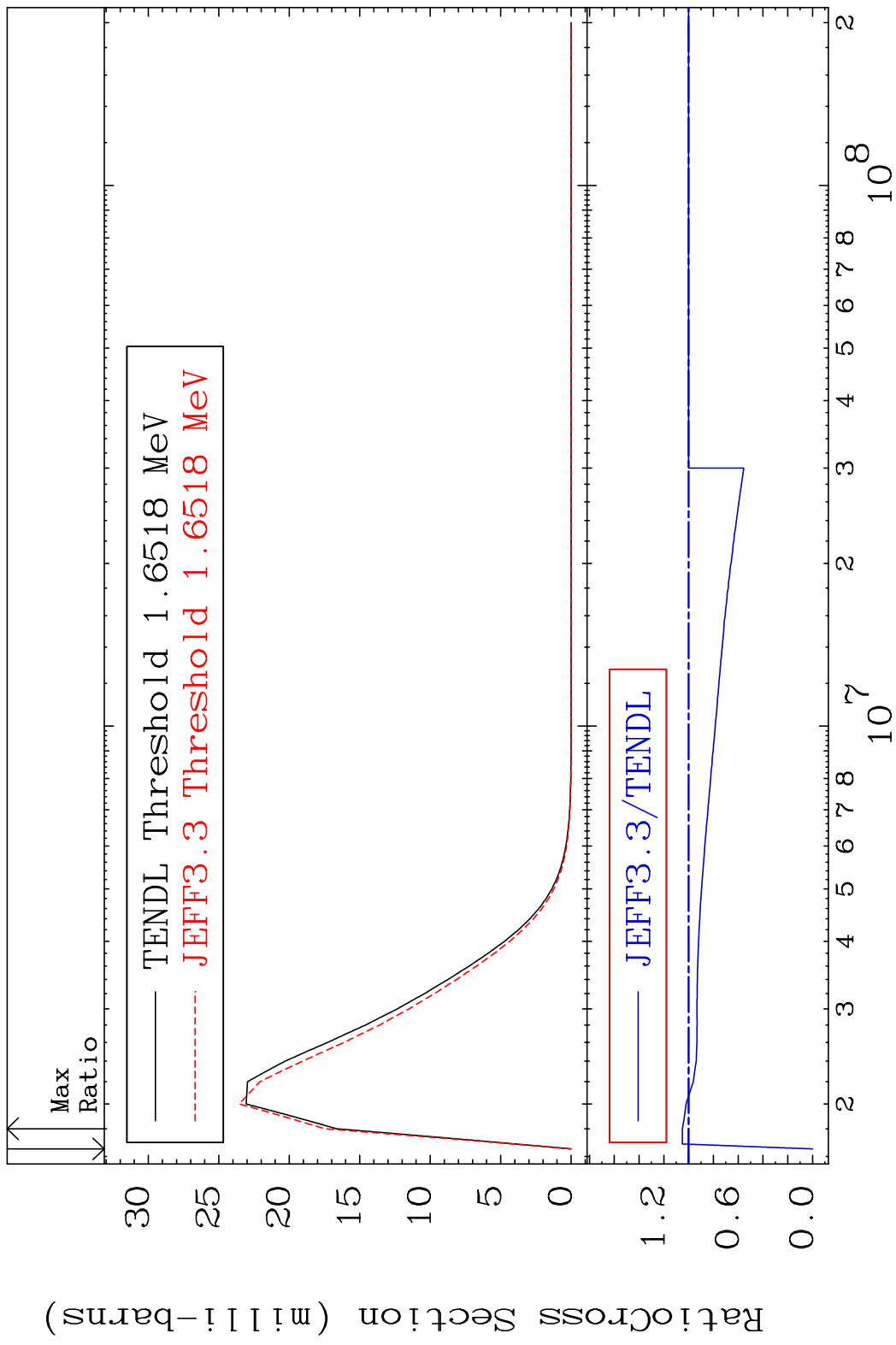
MAT 8043 MT= 63 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 0.068 %



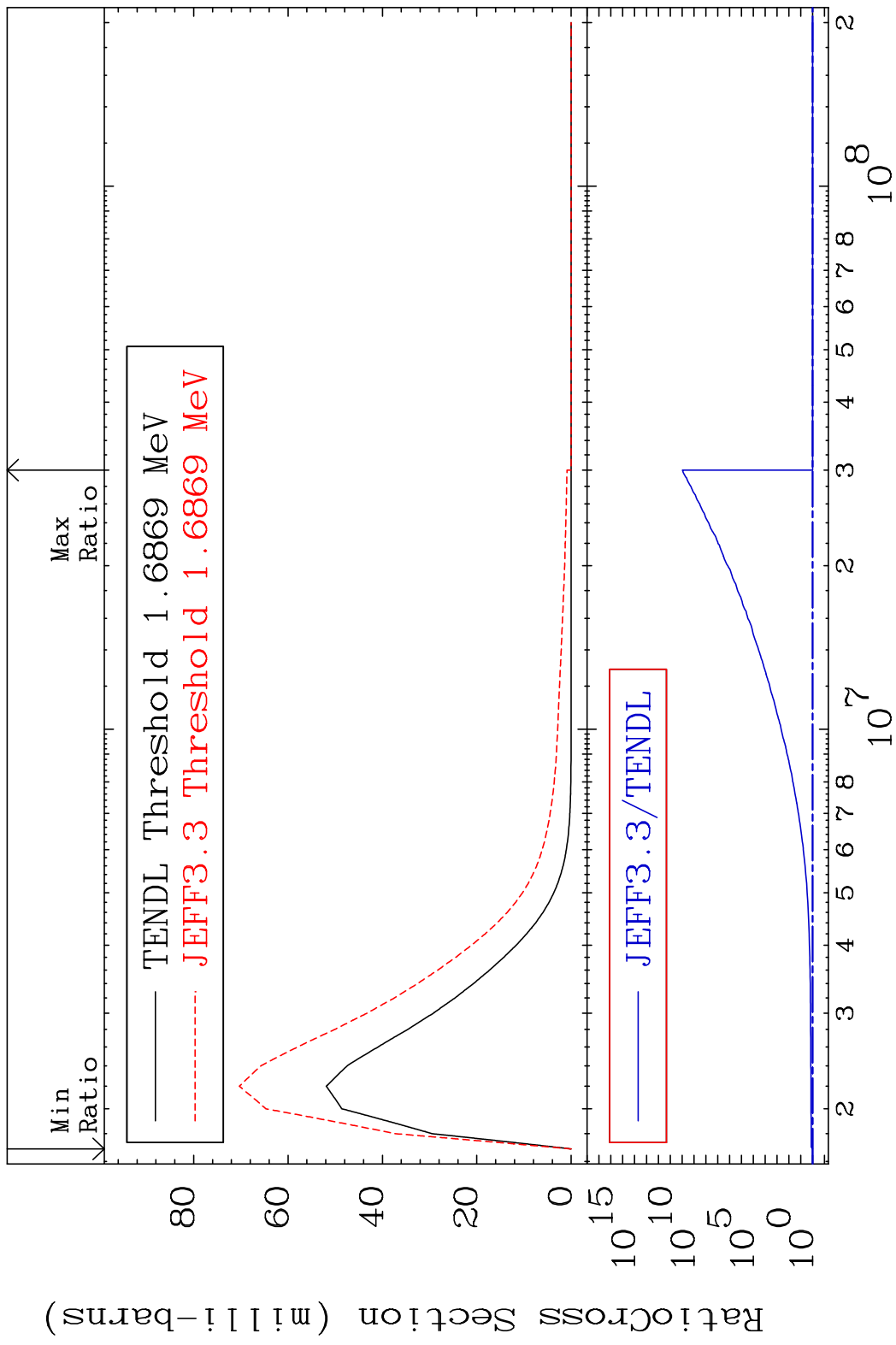
MAT 8043 MT= 64 (n,n') Level 80-Hg-202
 Cross Section -8.845 To 0.000 %



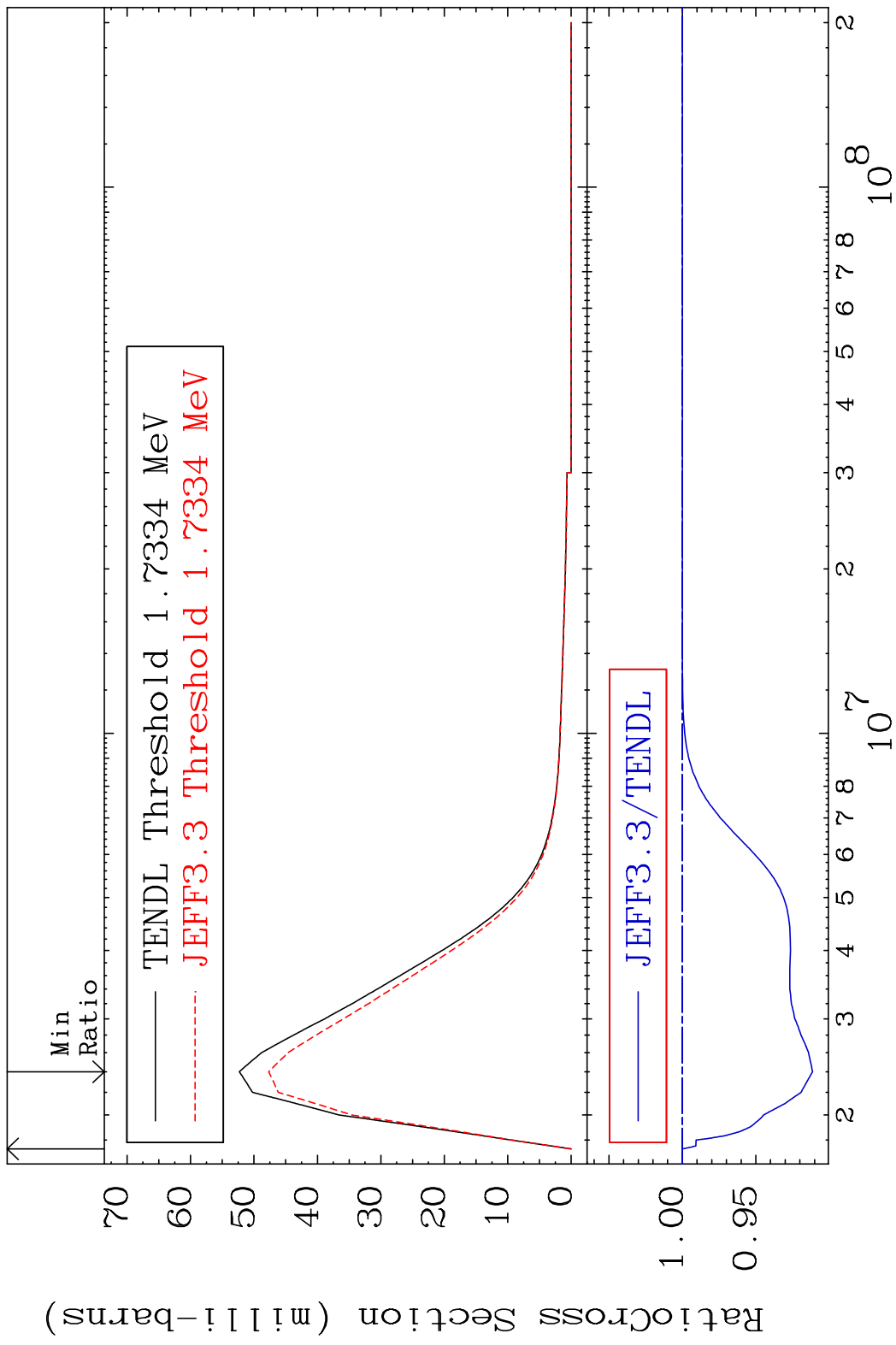
MAT 8043 MT= 65 (n,n') Level 80-Hg-202
 Cross Section -100.0 To 5.084 %



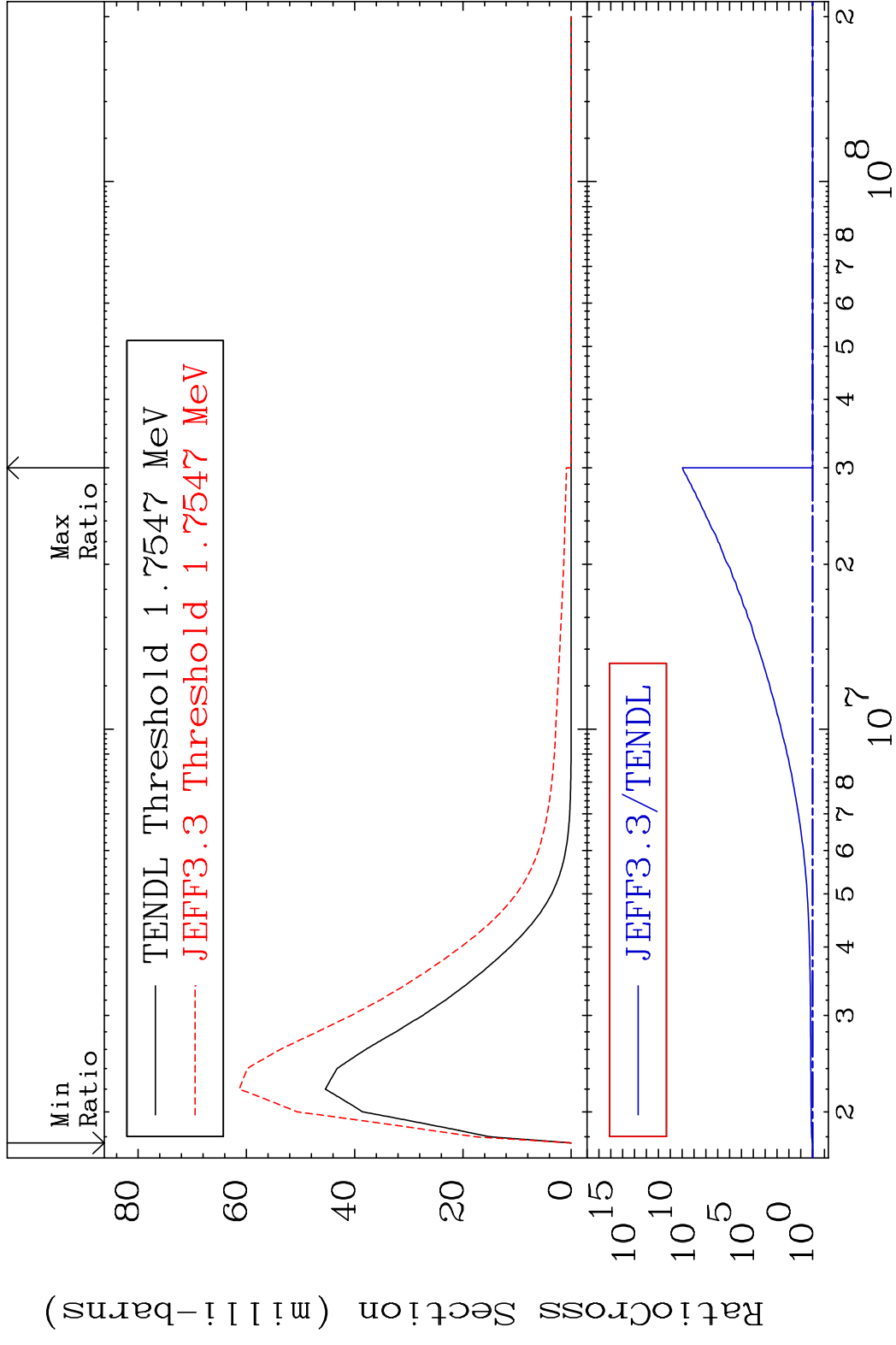
MAT 8043 MT= 66 (n, n') Level 80-Hg-202
 Cross Section 0.000 To 9999. %



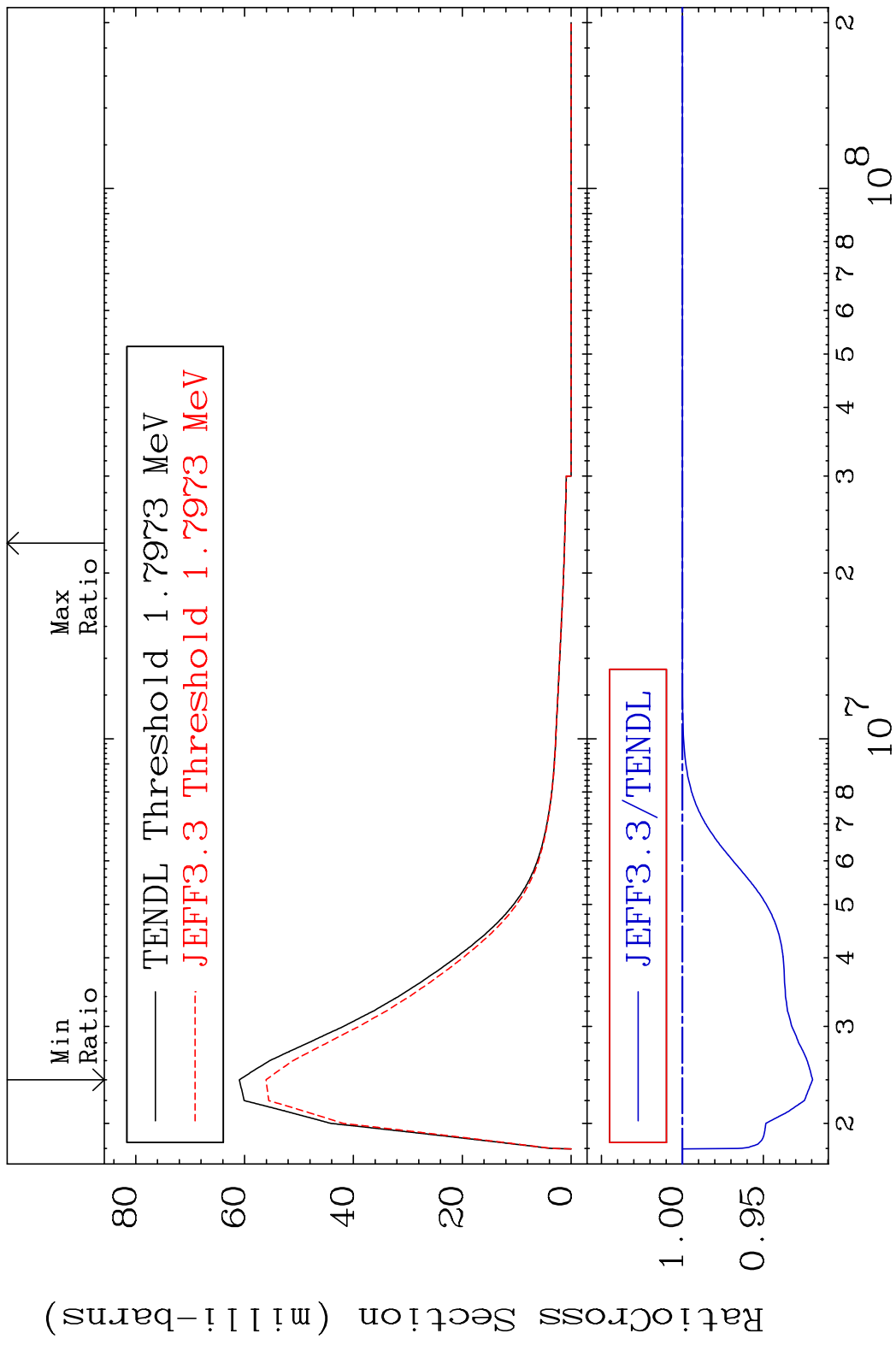
MAT 8043 MT= 67 (n, n') Level 80-Hg-202
 Cross Section -8.861 To 0.000 %



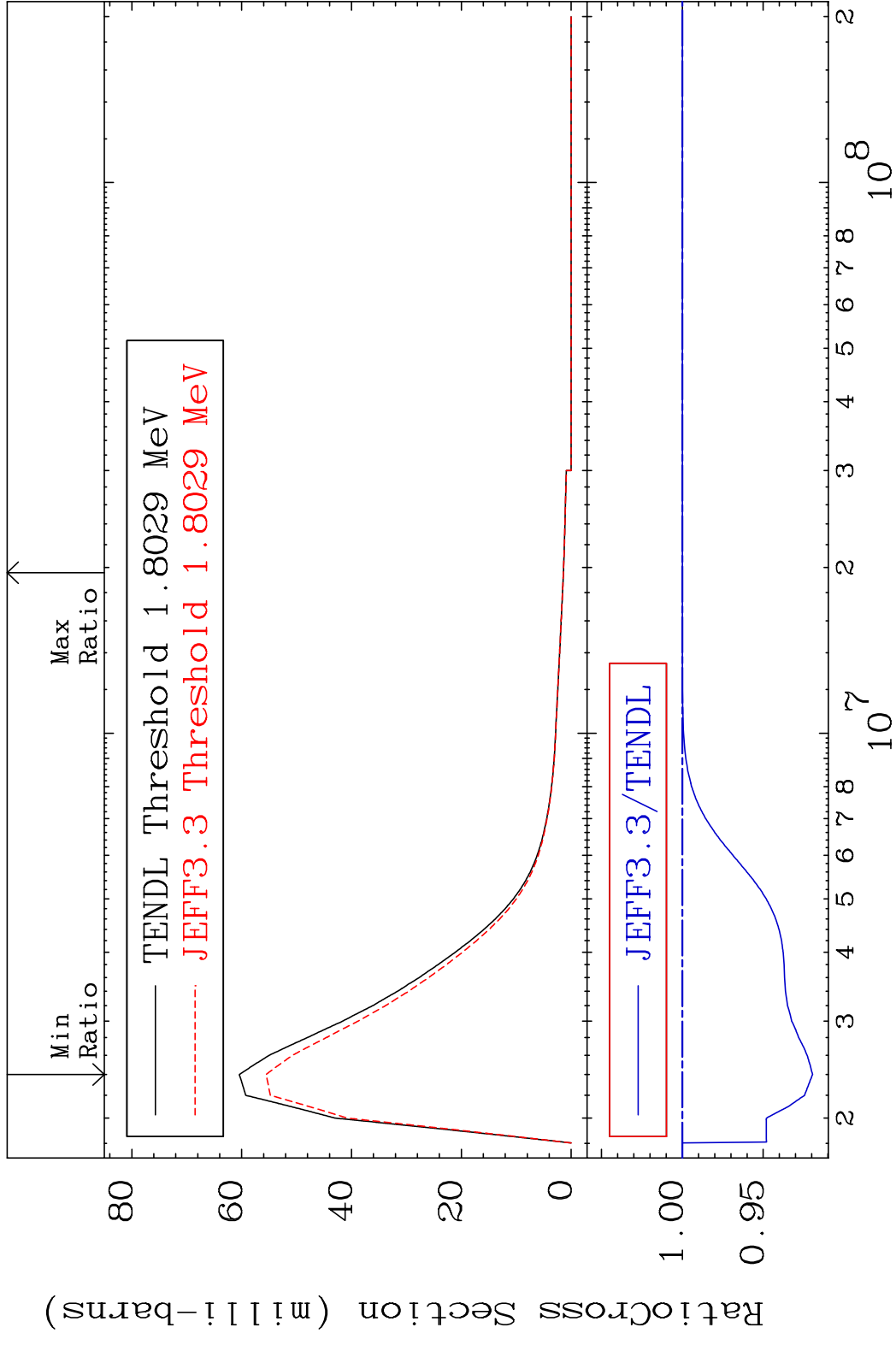
MAT 8043 MT= 68 (n, n') Level 80-Hg-202
 Cross Section 0.000 To 9999. %



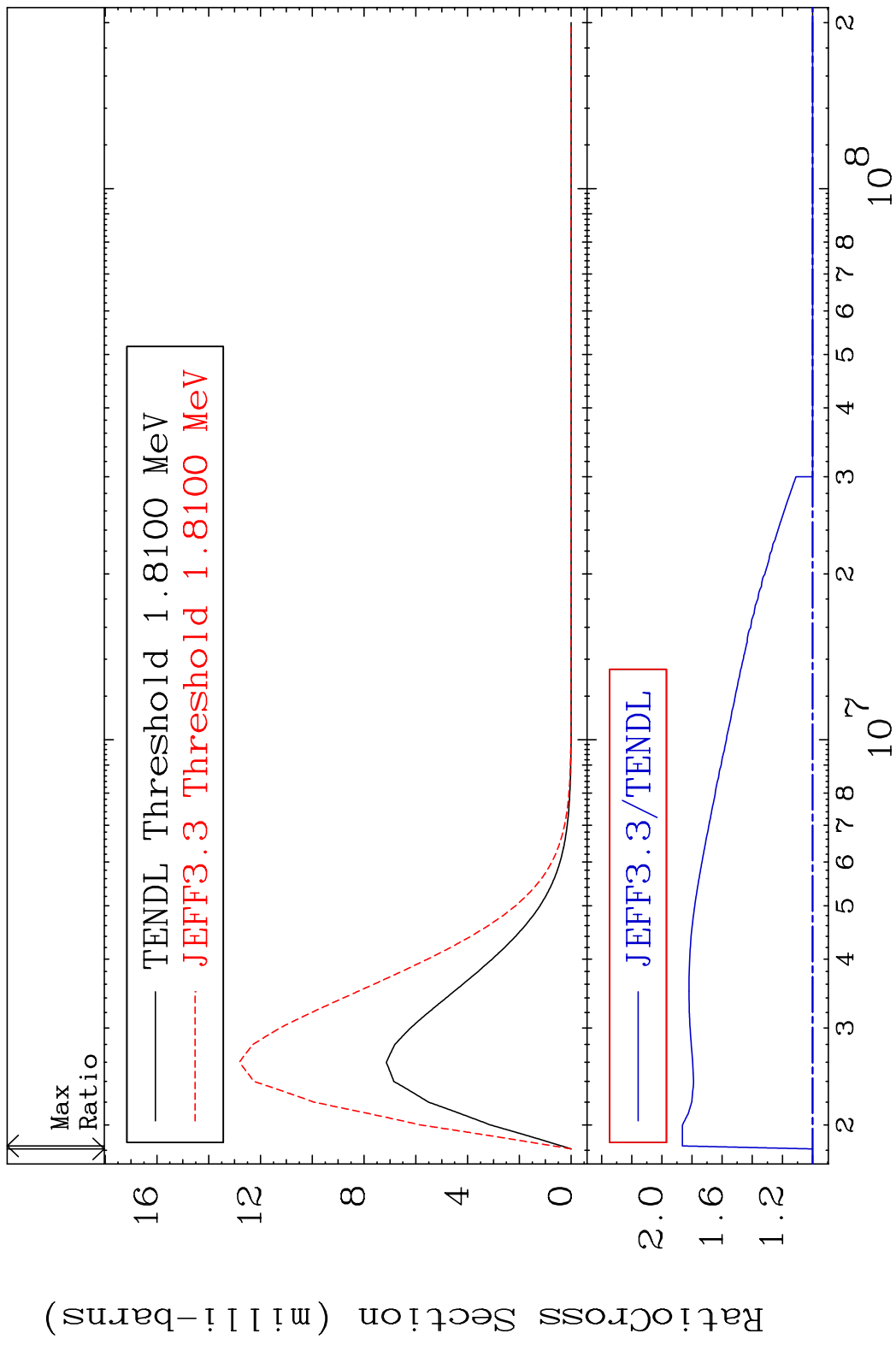
MAT 8043 MT= 69 (n, n') Level 80-Hg-202
 Cross Section -8.047 To 0.000 %



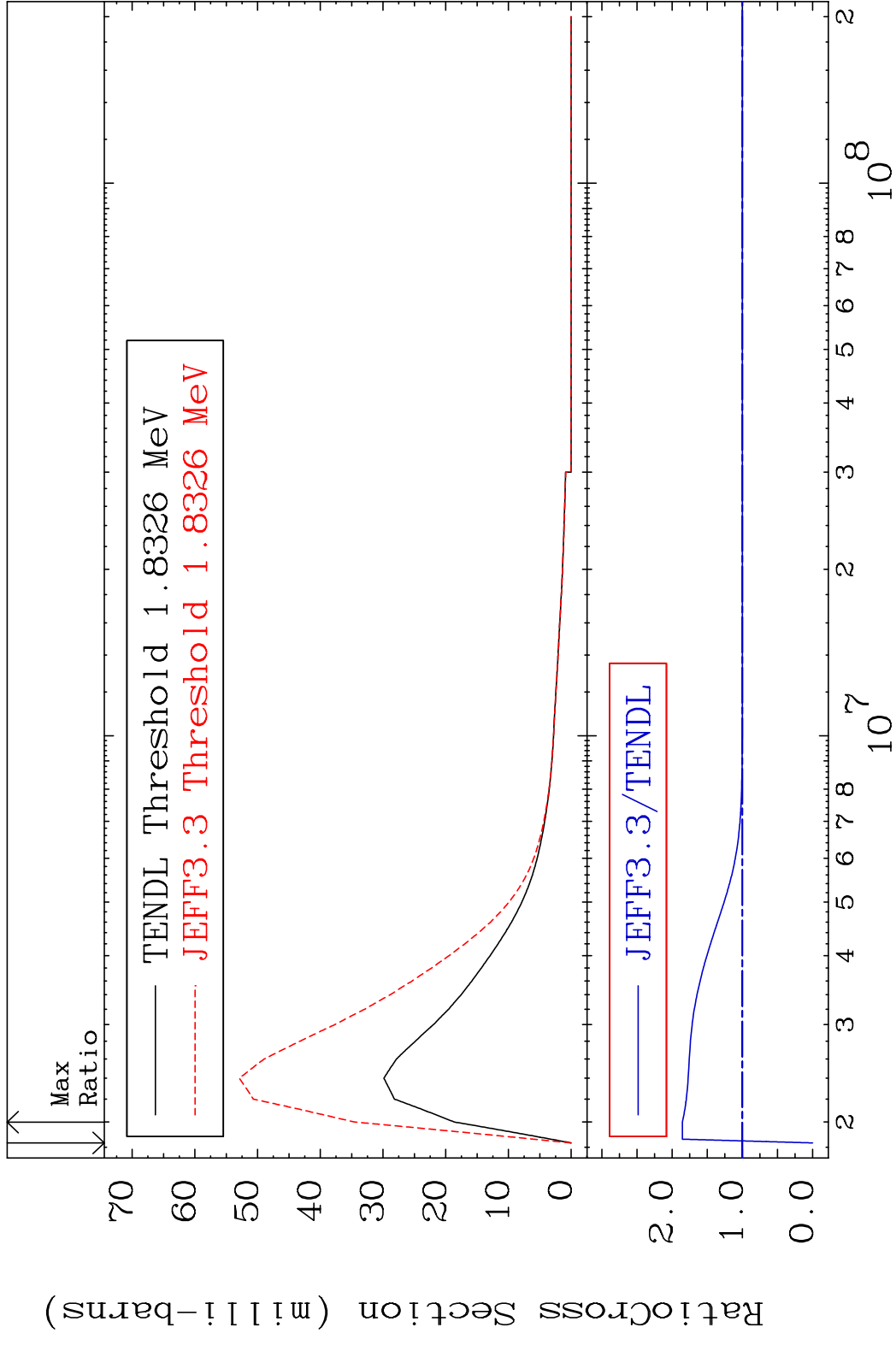
MAT 8043 MT= 70 (n, n') Level 80-Hg-202
 Cross Section -8.050 To 0.000 %



MAT 8043 MT= 71 (n, n') Level 80-Hg-202
 Cross Section 0.000 To 86.40 %

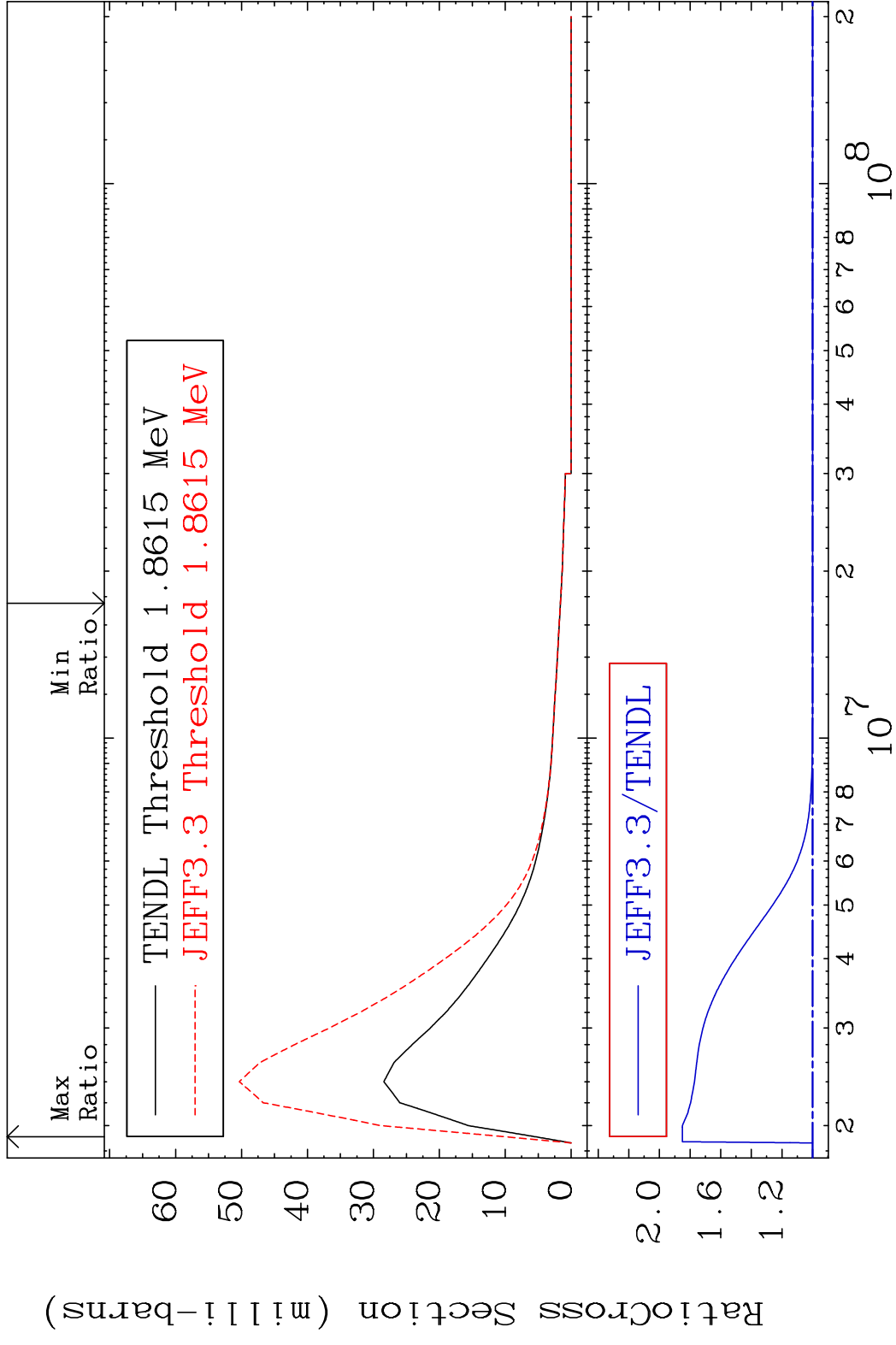


MAT 8043 MT= 72 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 85.49 %

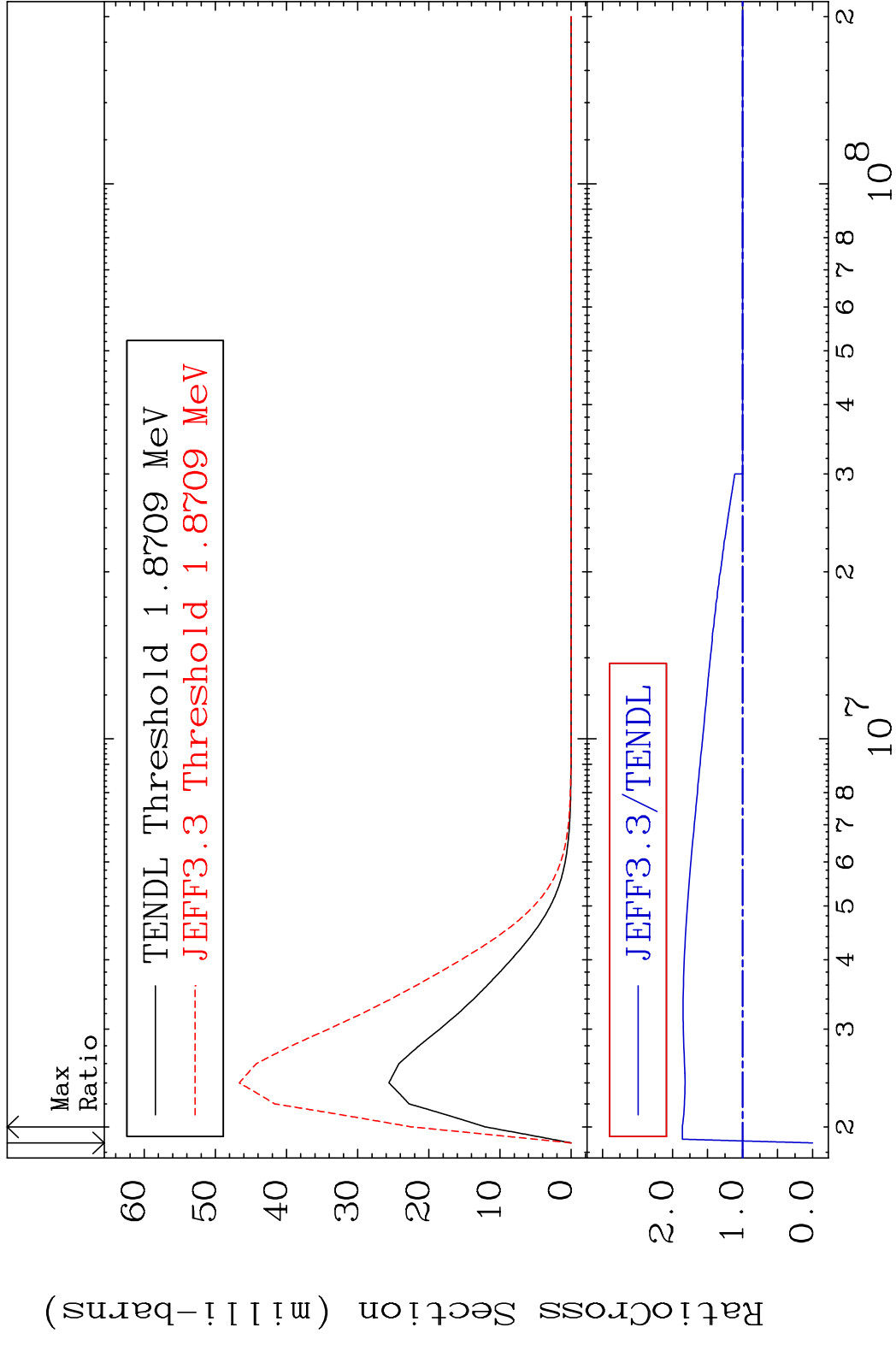


40 Incident Energy (eV) 80-Hg-202

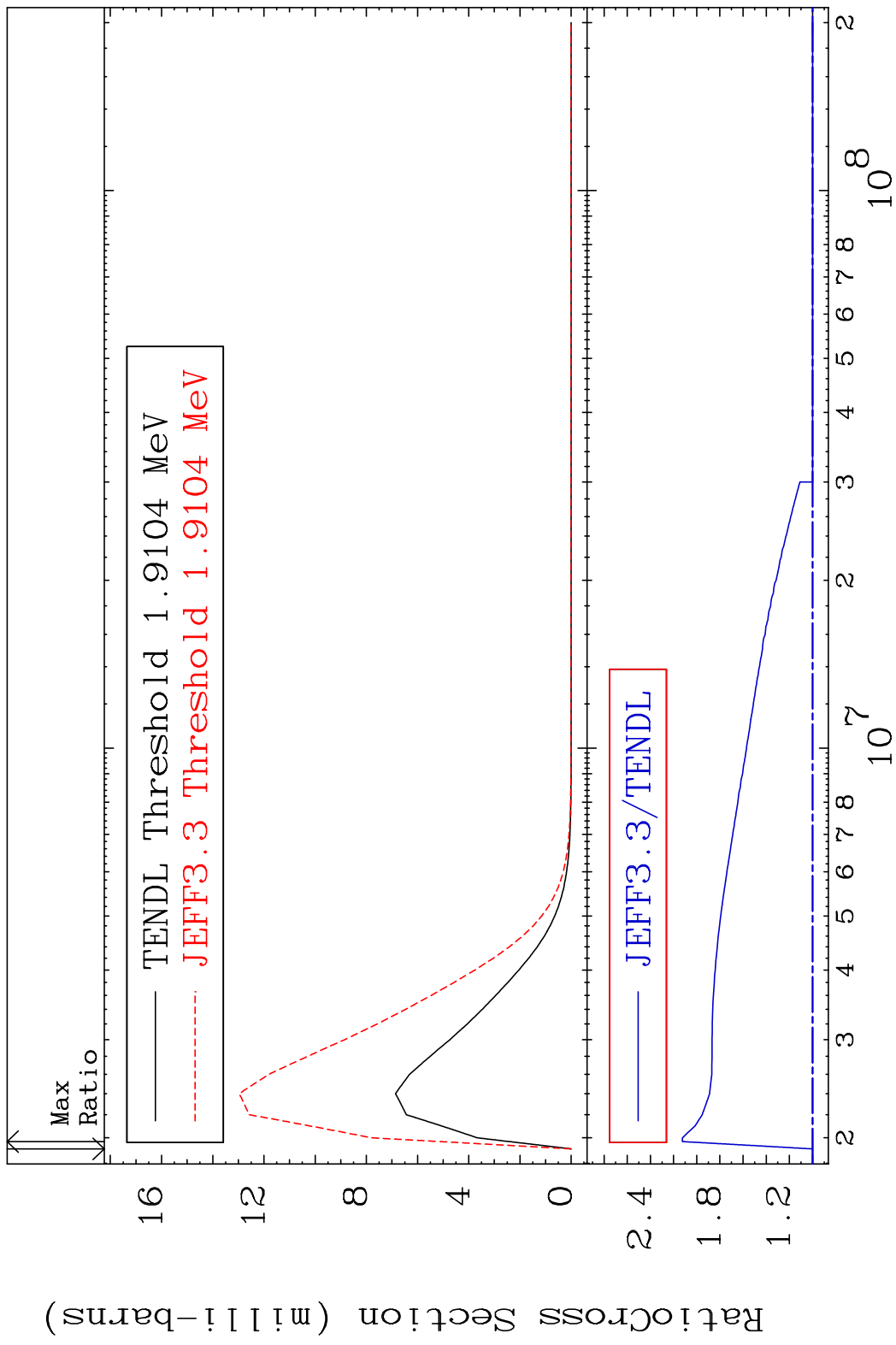
MAT 8043 MT= 73 (n, n') Level 80-Hg-202
 Cross Section 0.000 To 85.05 %



MAT 8043 MT= 74 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 85.95 %

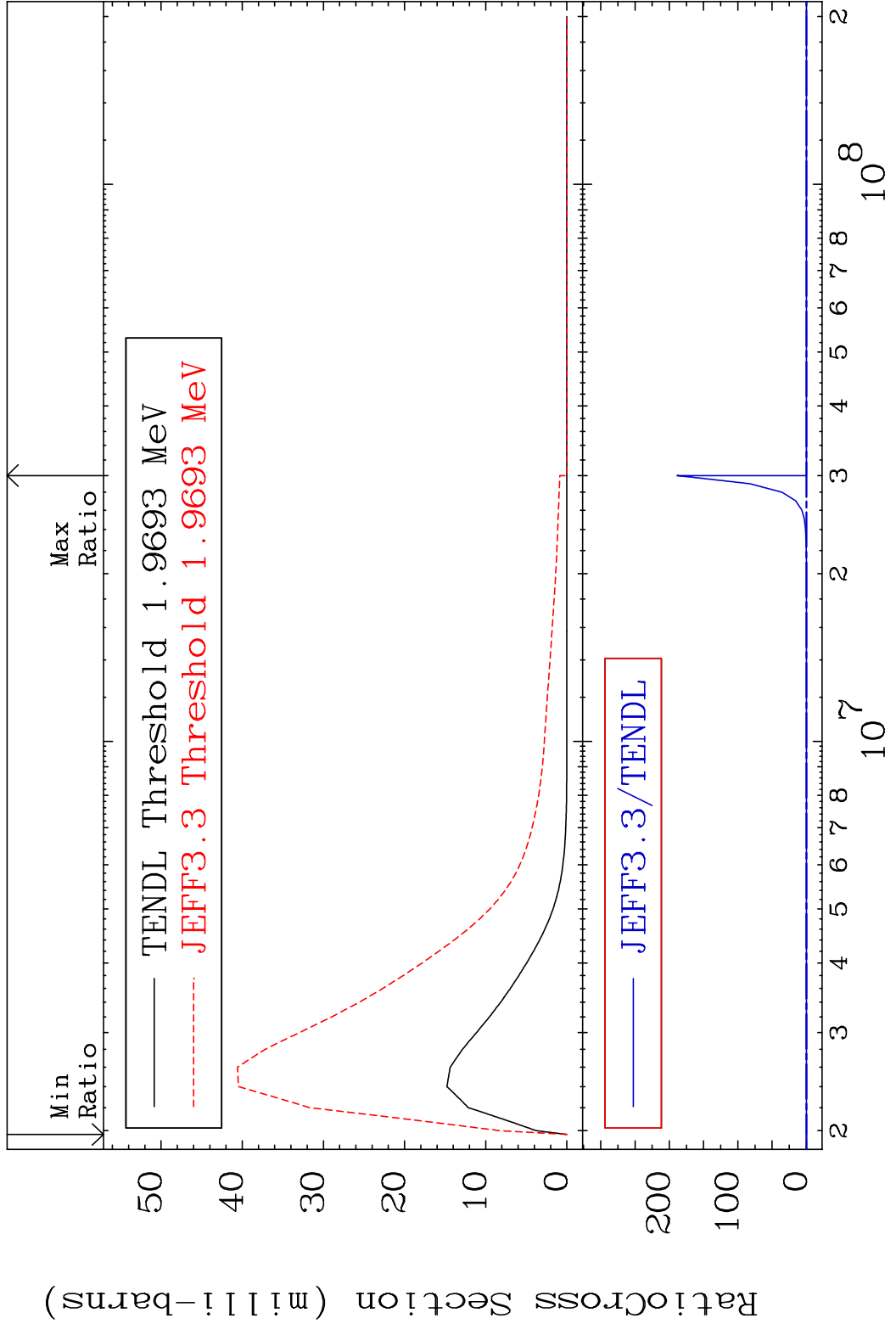


MAT 8043 MT= 75 (n,n') Level 80-Hg-202
 Cross Section 0.000 To 112.4 %



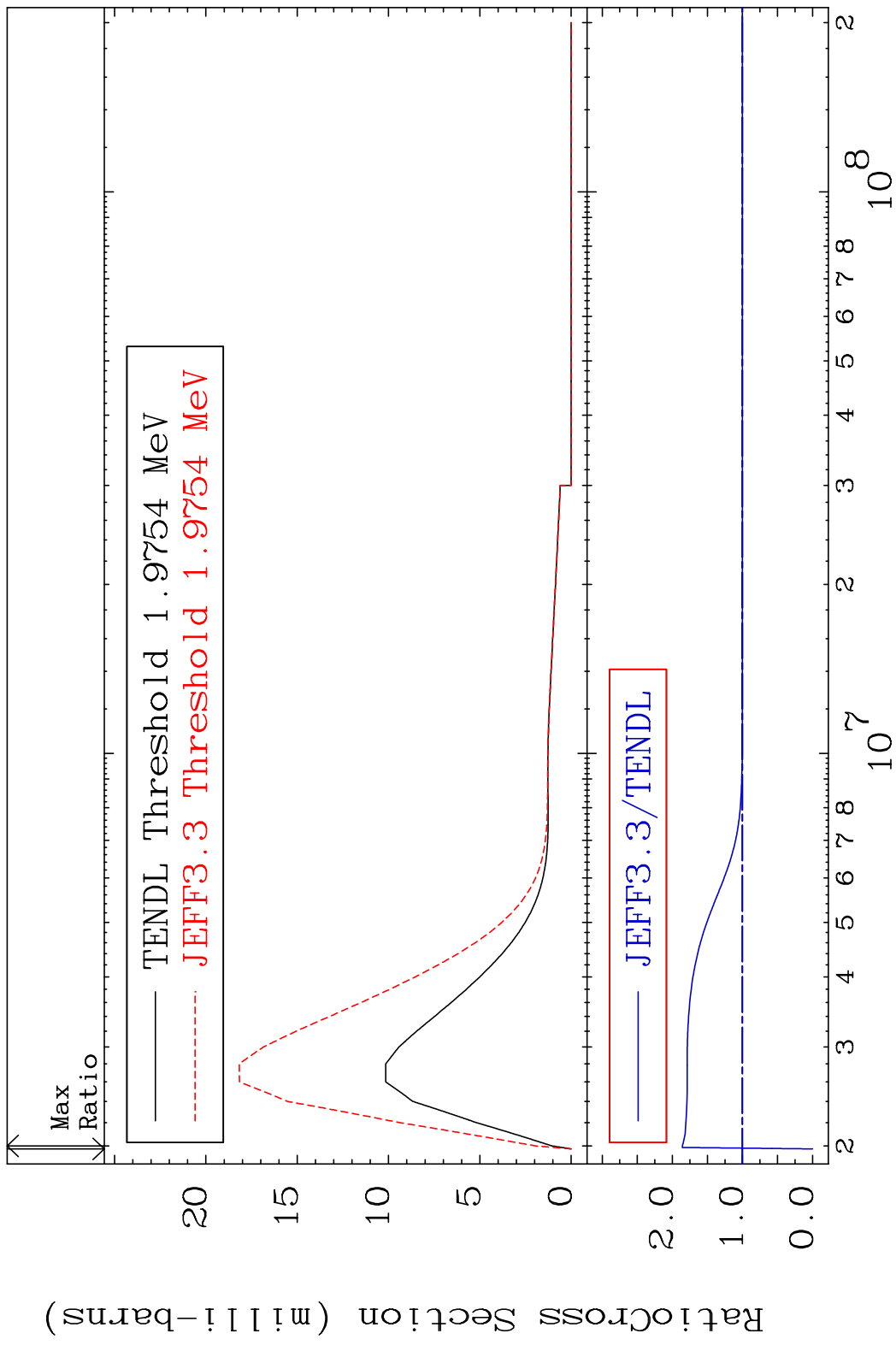
43 Incident Energy (eV) 80-Hg-202

MAT 8043 MT= 76 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 9999. %



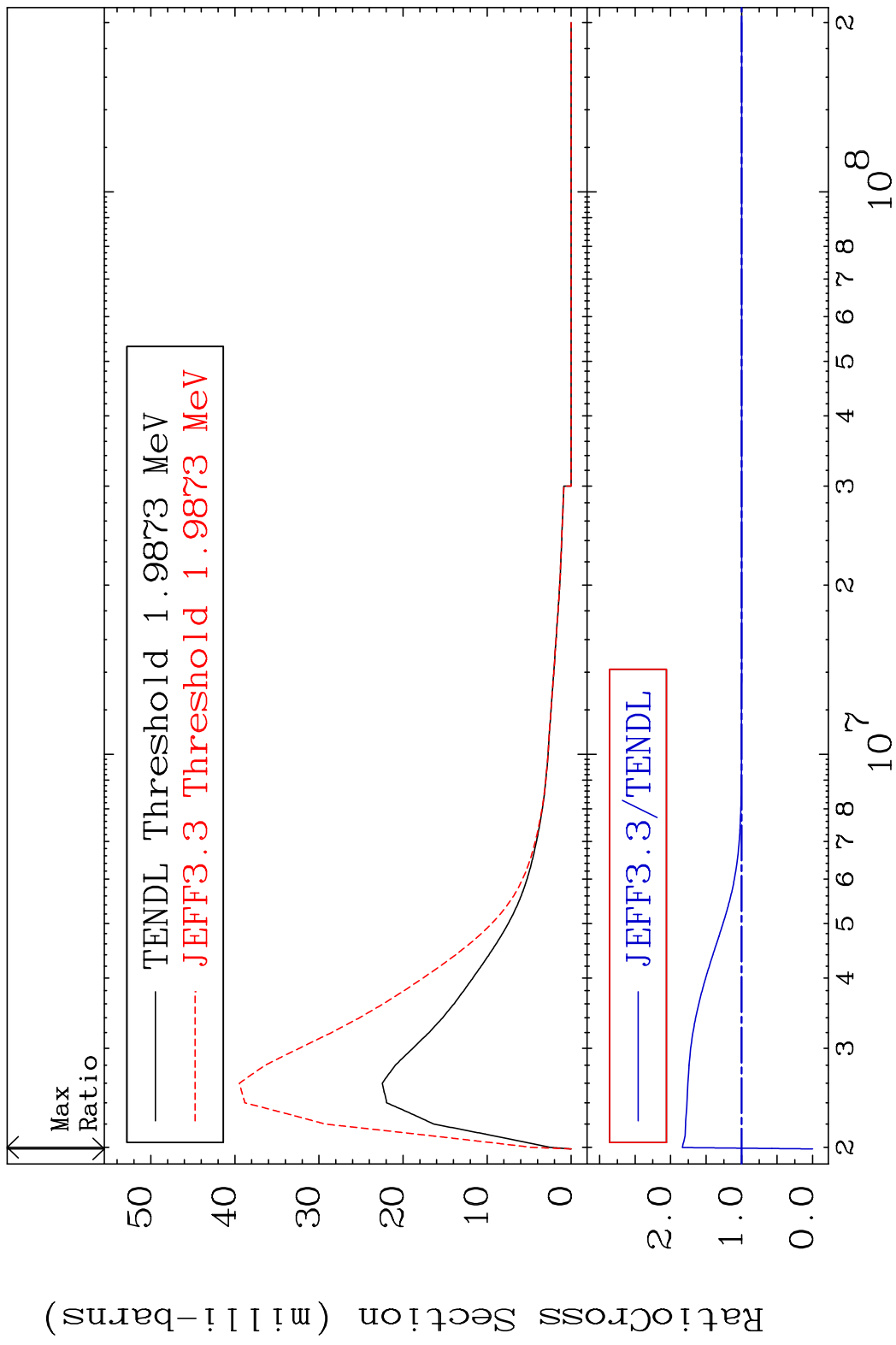
44 80-Hg-202

MAT 8043 MT= 77 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 85.72 %

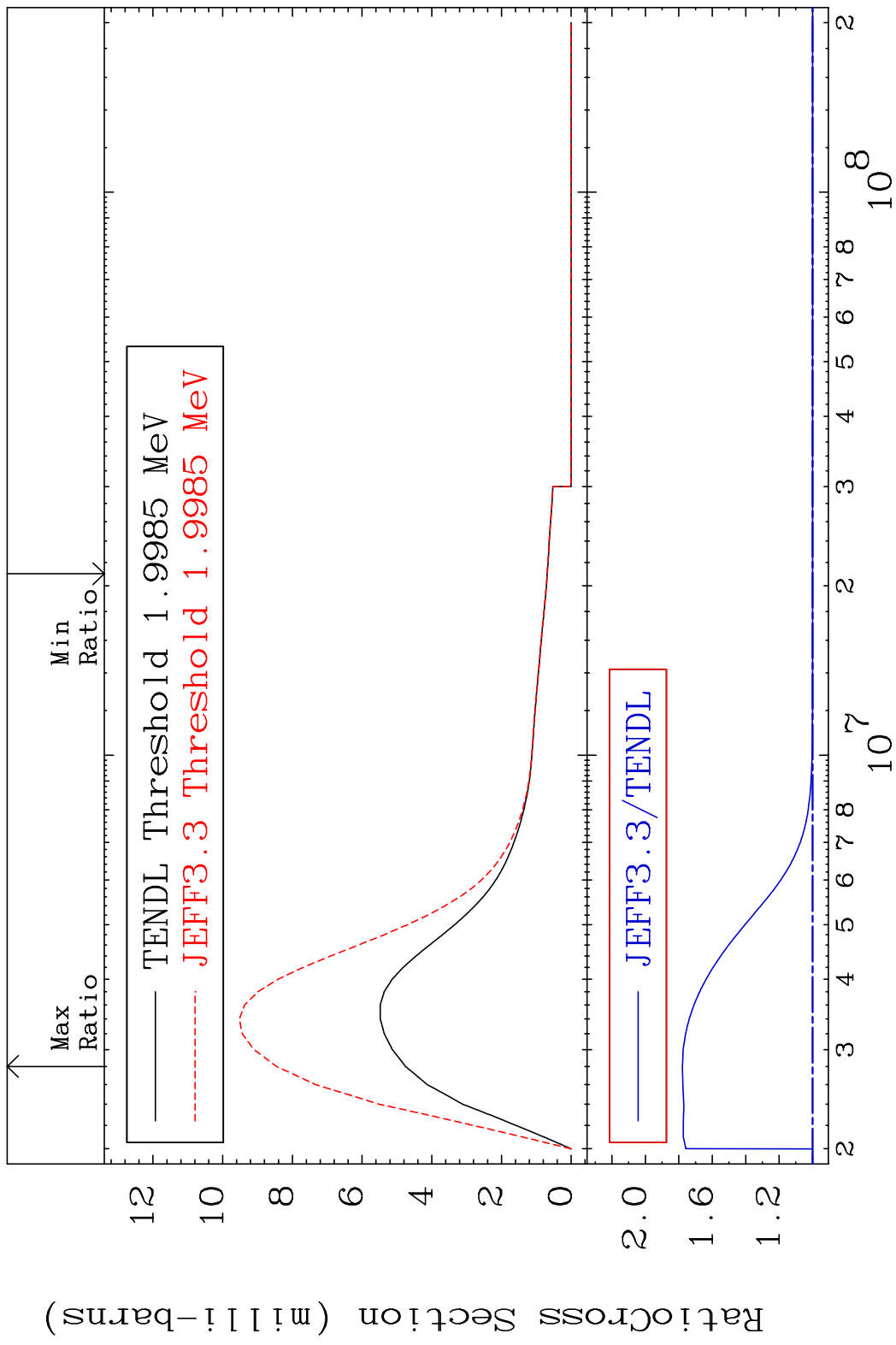


45 Incident Energy (eV) 80-Hg-202

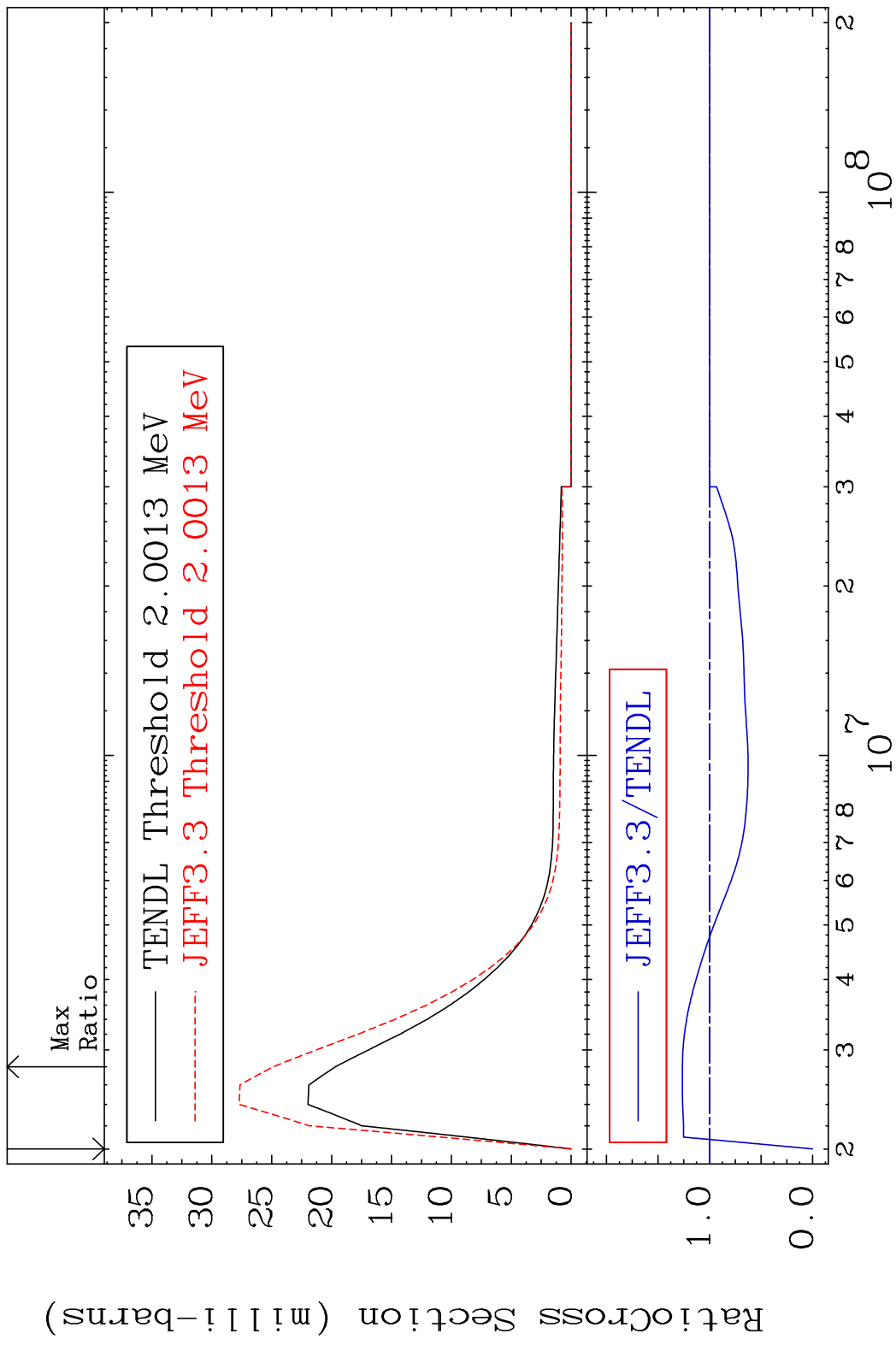
MAT 8043 MT= 78 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 83.42 %



MAT 8043 MT= 79 (n, n') Level 80-Hg-202
 Cross Section 0.000 To 77.88 %



MAT 8043 MT= 80 (n, n') Level 80-Hg-202
 Cross Section -100.0 To 26.35 %

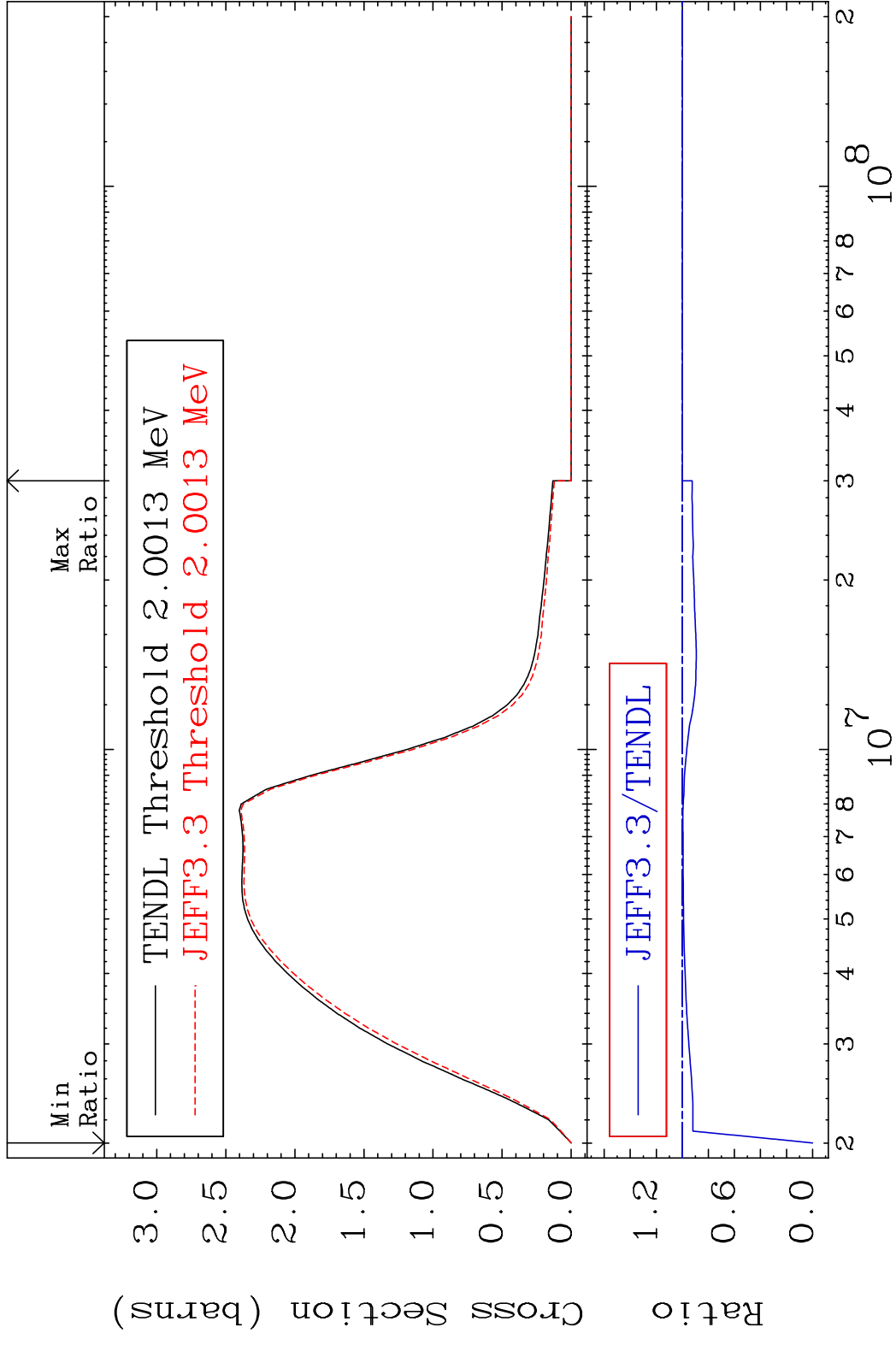


MAT 8043

(n, n') Continuum

80-Hg-202

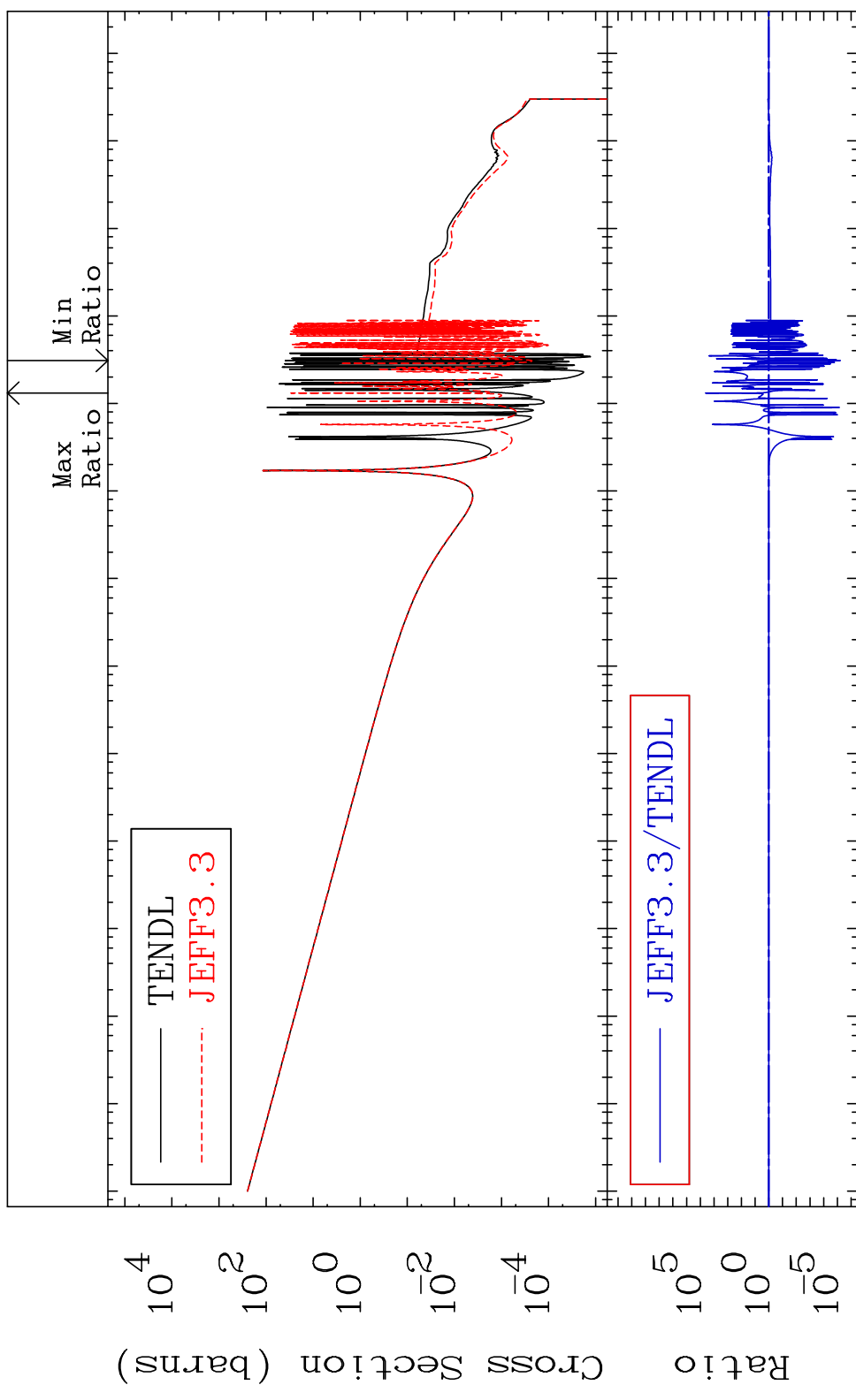
Cross Section -100.0 To 0.000 %



MAT 8043

(n, γ)

Cross Section -100.0 To 9999. %
80-Hg-202



50

Incident Energy (eV)

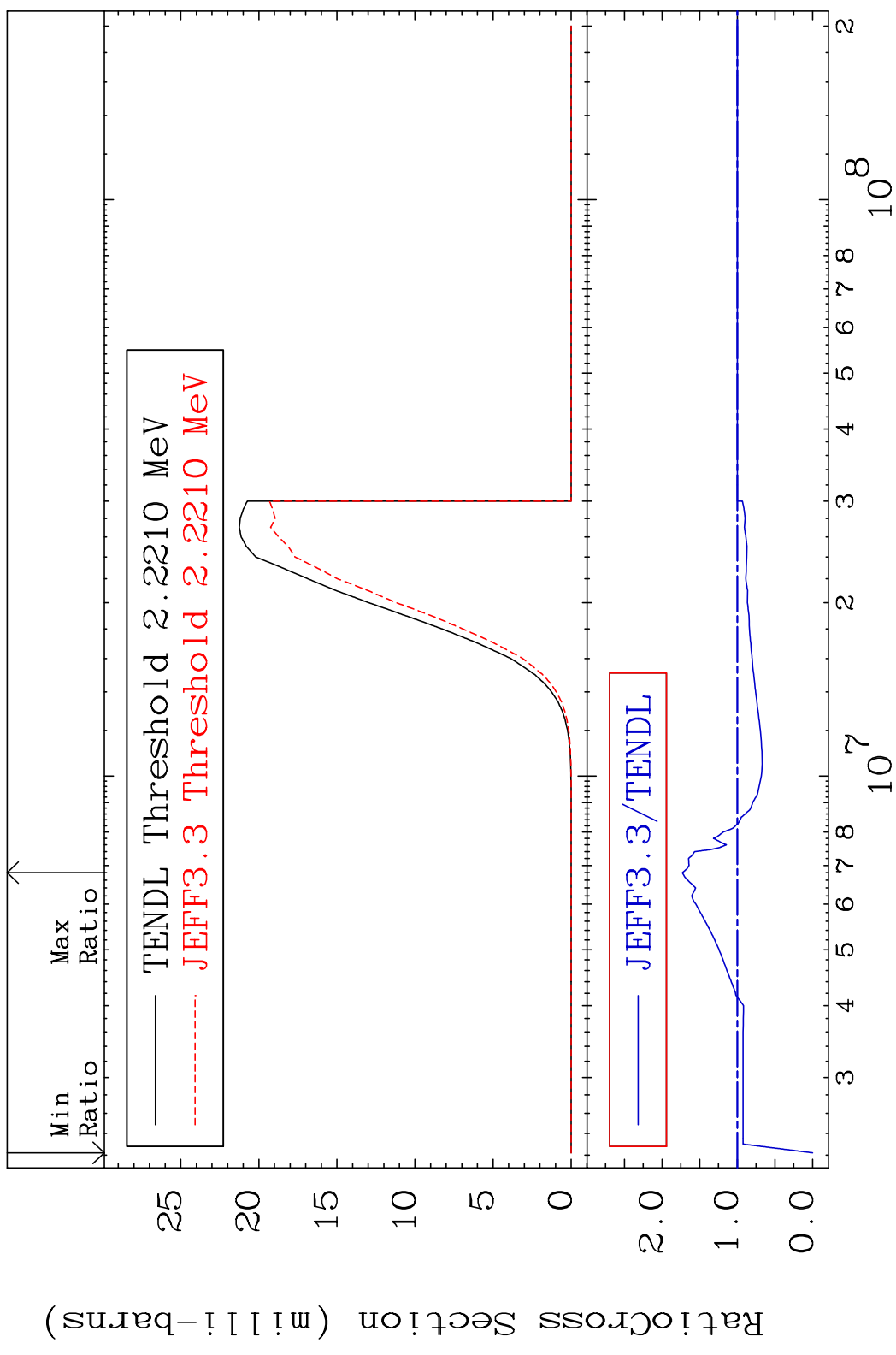
80-Hg-202

MAT 8043

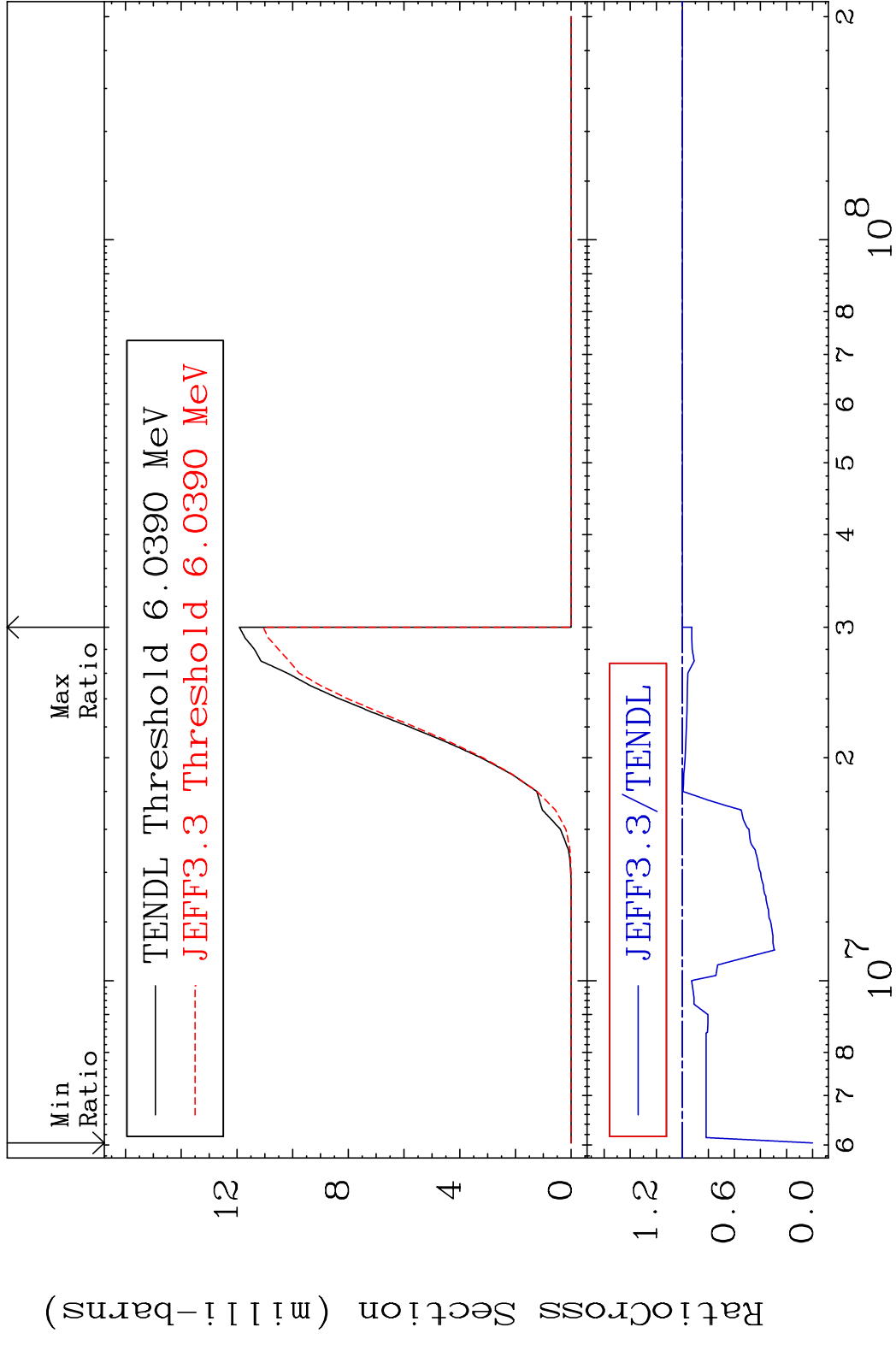
(n, p)

80-Hg-202

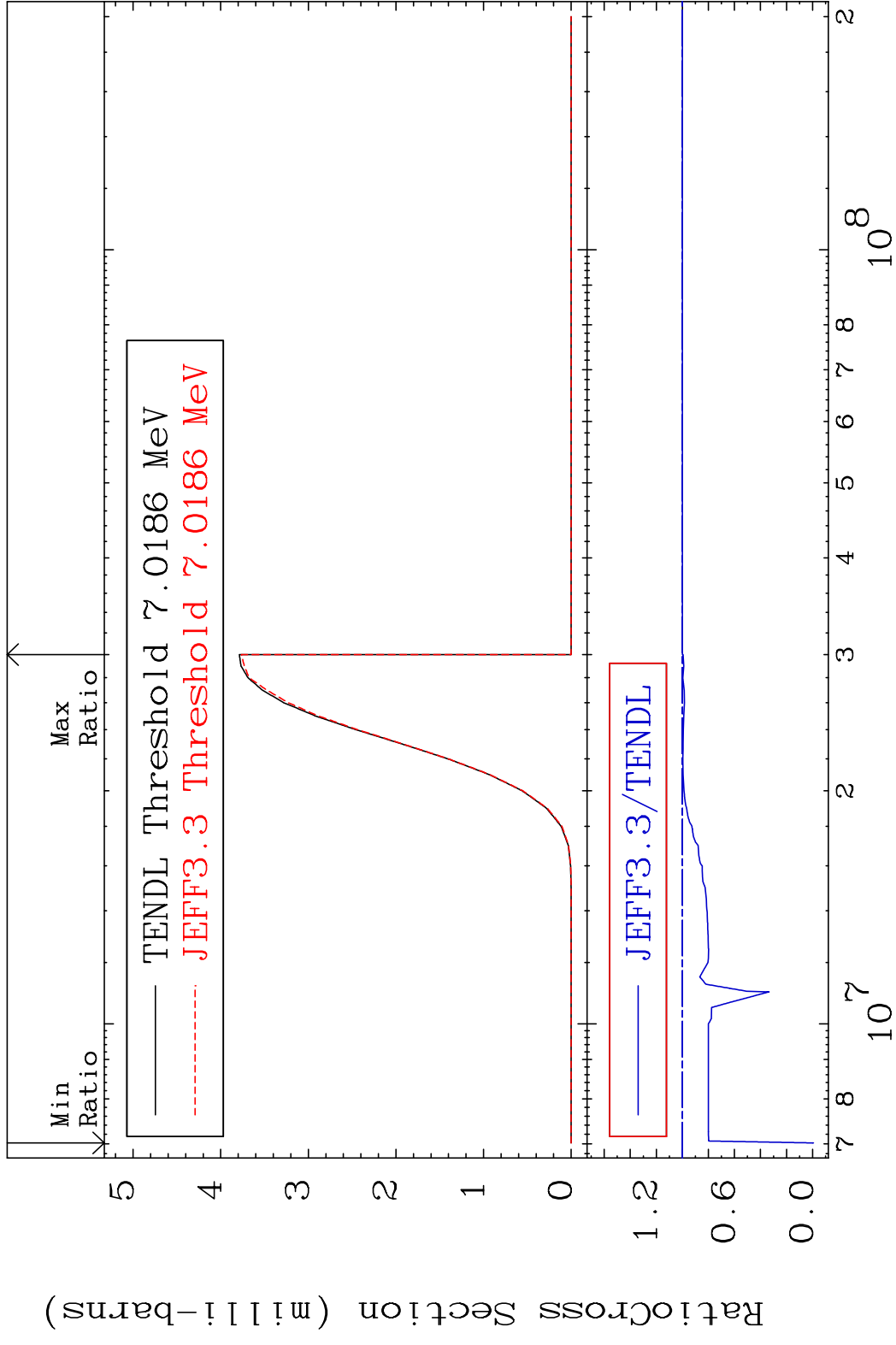
Cross Section -100.0 To 72.98 %



MAT 8043 (n,d) 80-Hg-202
 Cross Section -100.0 To 0.000 %



MAT 8043 (n, t) 80-Hg-202
 Cross Section -100.0 To 0.000 %

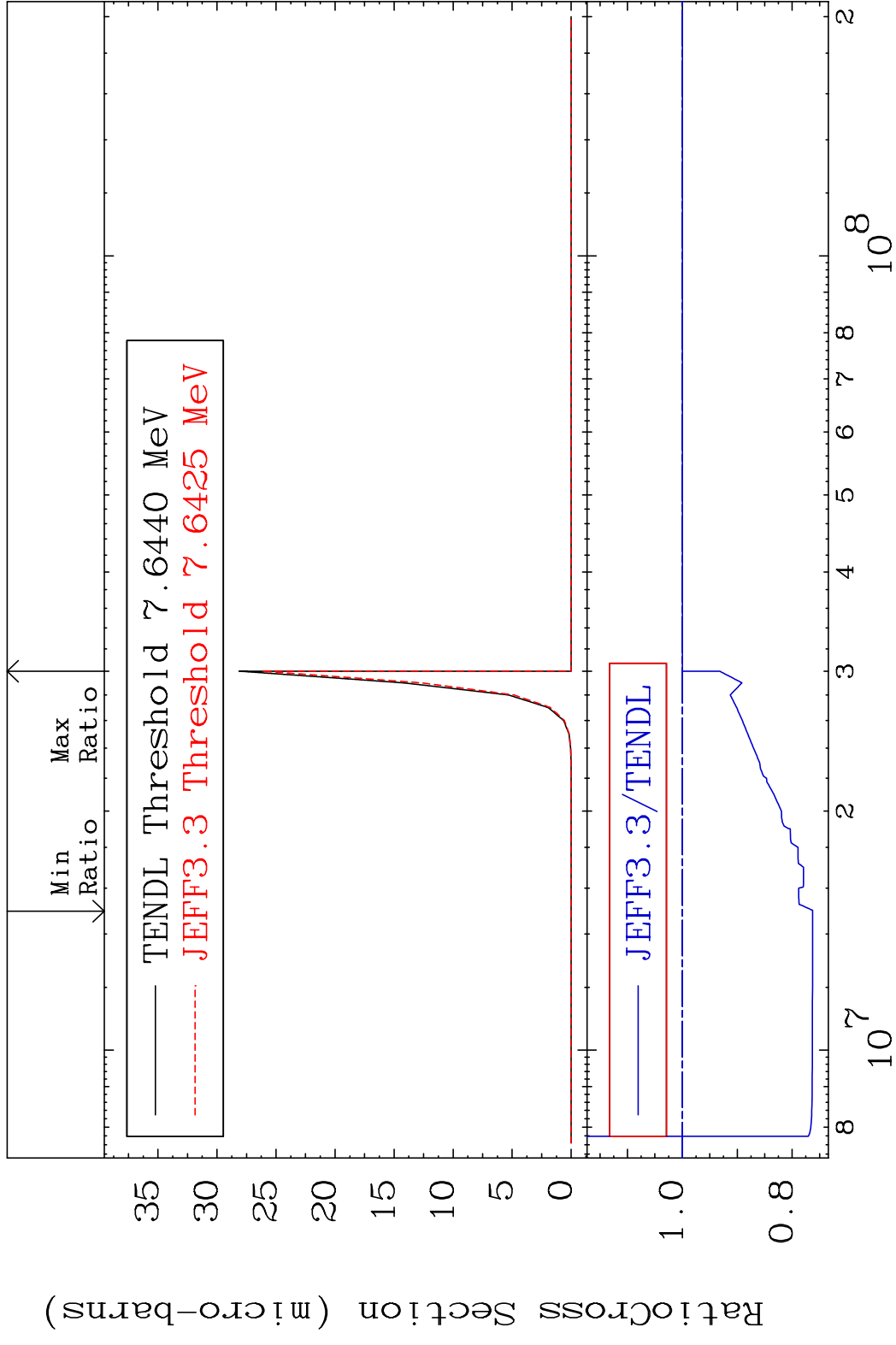


MAT 8043

(n, He-3)

80-Hg-202

Cross Section -23.72 To 0.000 %



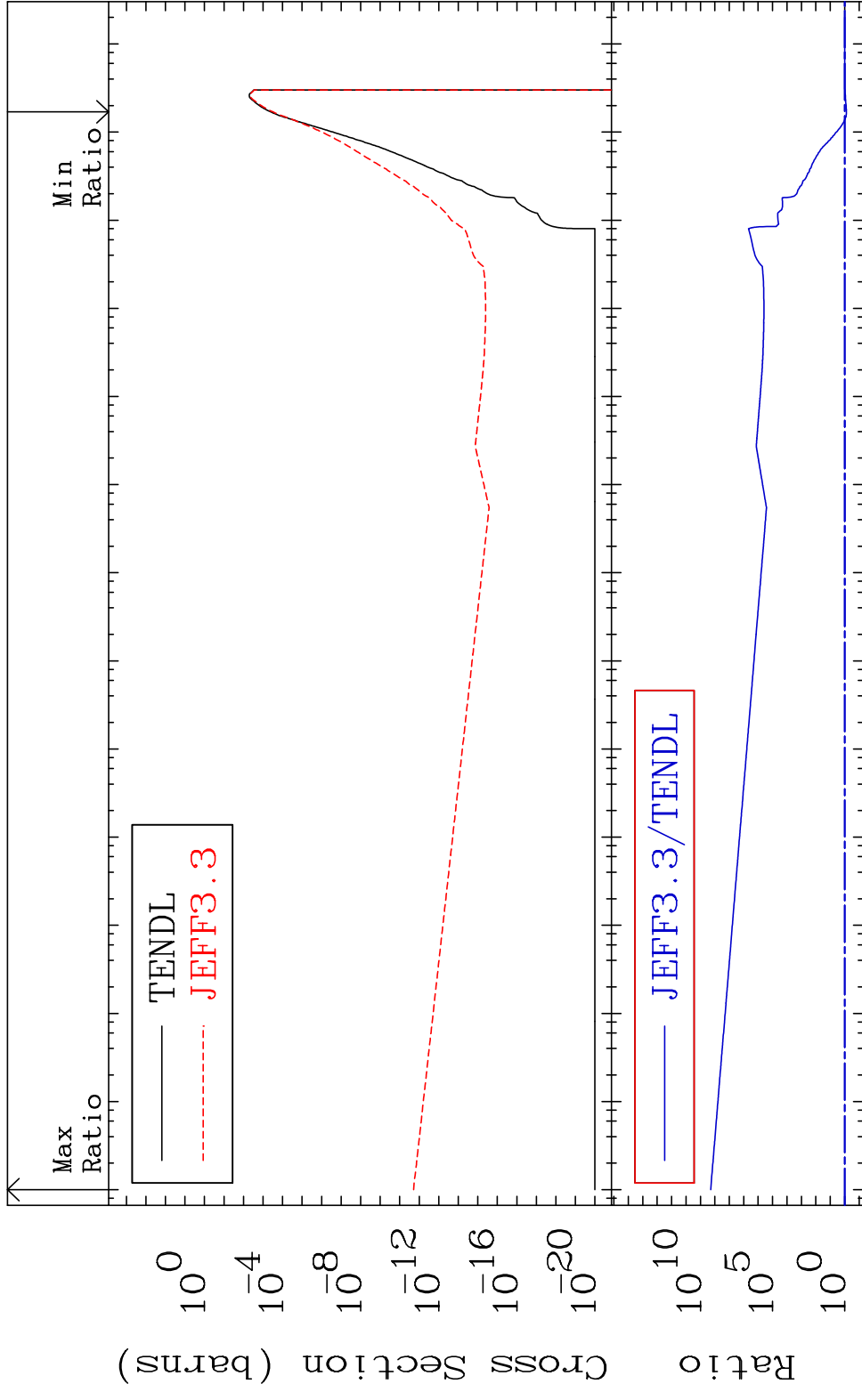
MAT 8043

(n, α)

80-Hg-202

Cross Section

-23.04 To 9999. %



Cross Section (barns)

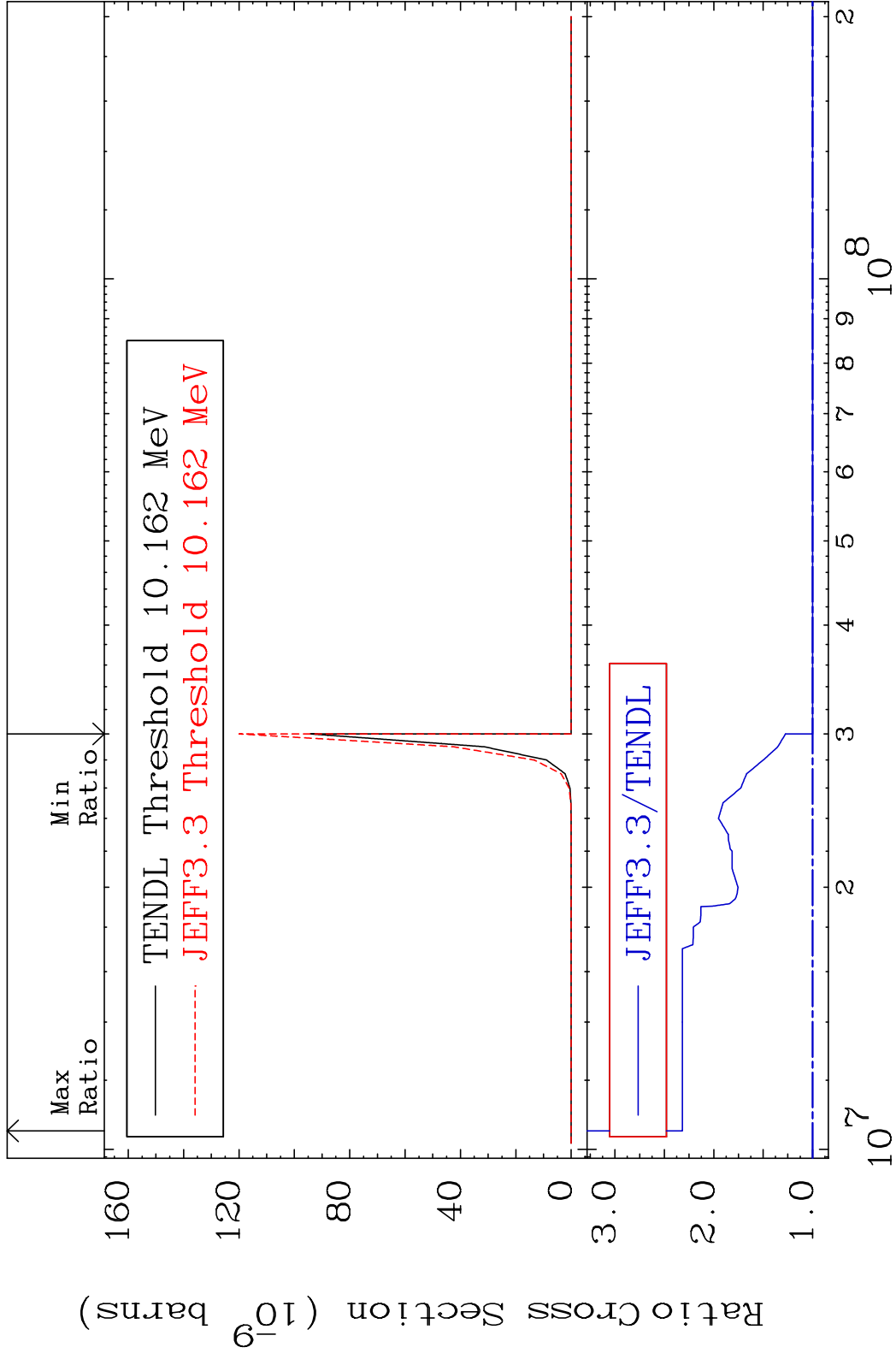
Ratio

55

Incident Energy (eV)

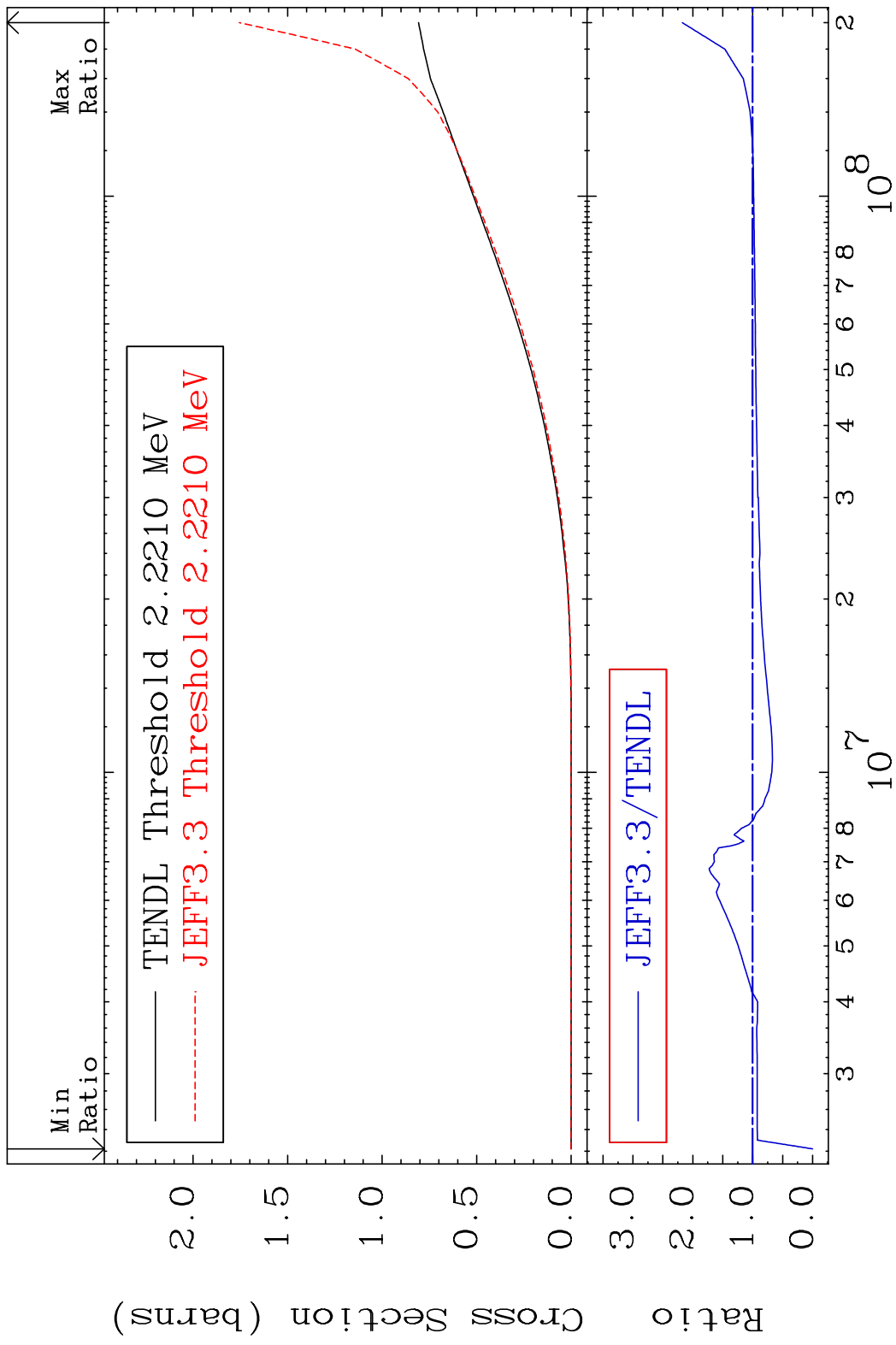
80-Hg-202

MAT 8043 (n,2p) 80-Hg-202
 Cross Section 0.000 To 131.8 %



56 Incident Energy (eV) 80-Hg-202

MAT 8043 Hydrogen Production 80-Hg-202
 Cross Section -100.0 To 117.5 %

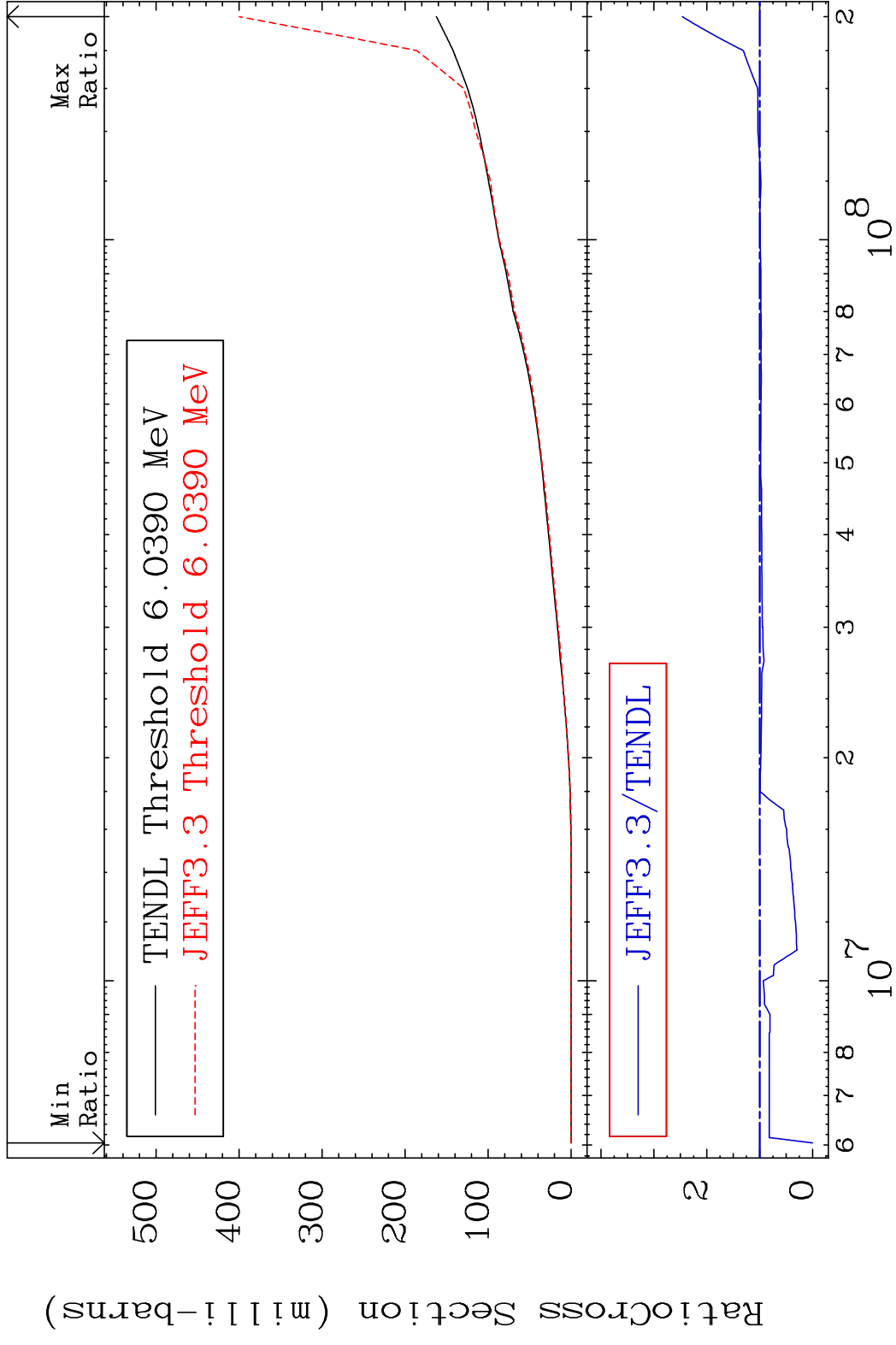


MAT 8043

Deuterium Production

80-Hg-202

Cross Section -100.0 To 146.3 %



58

Incident Energy (eV)

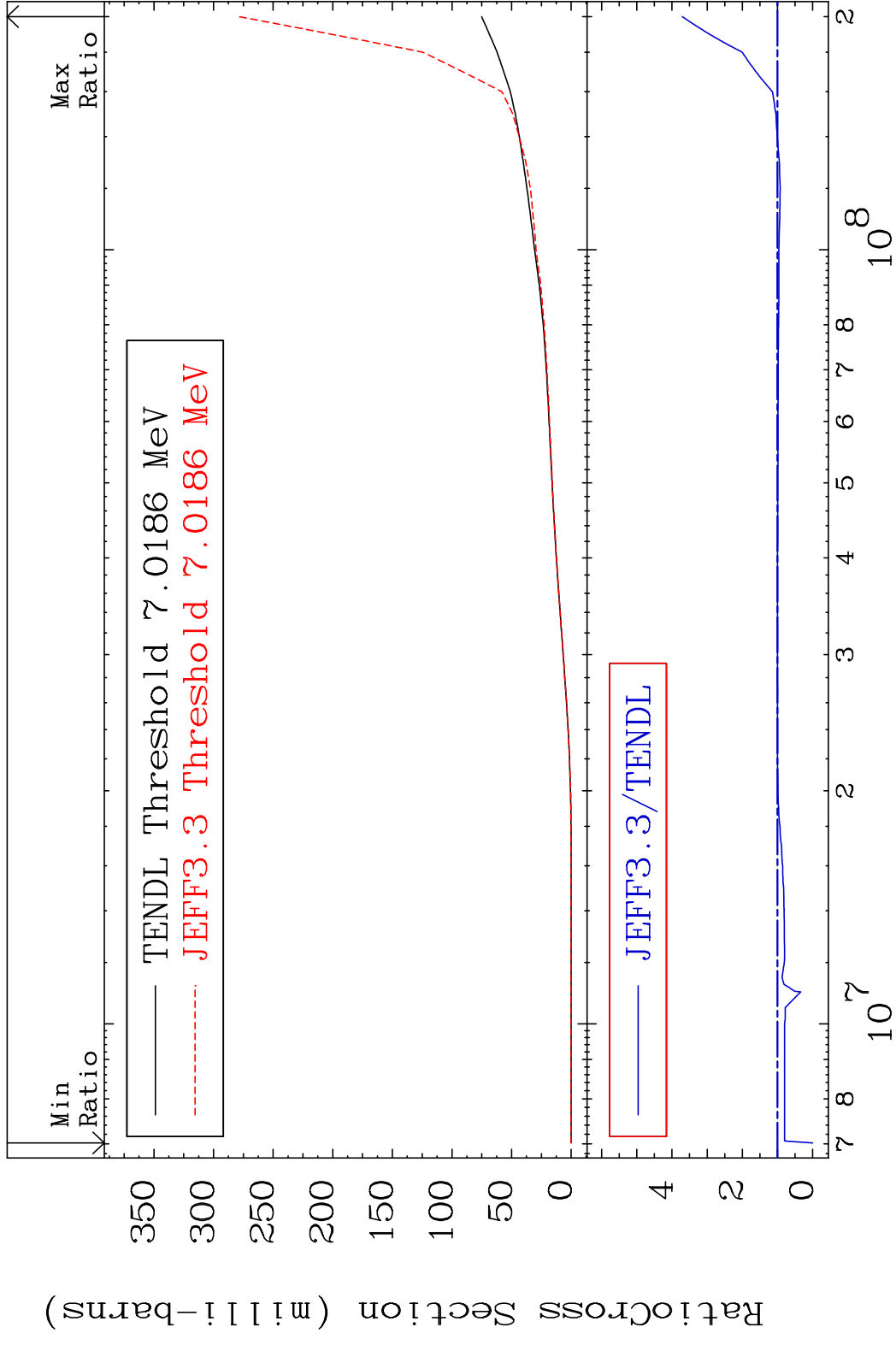
80-Hg-202

MAT 8043

Tritium Production

80-Hg-202

Cross Section -100.0 To 270.5 %



59

Incident Energy (eV)

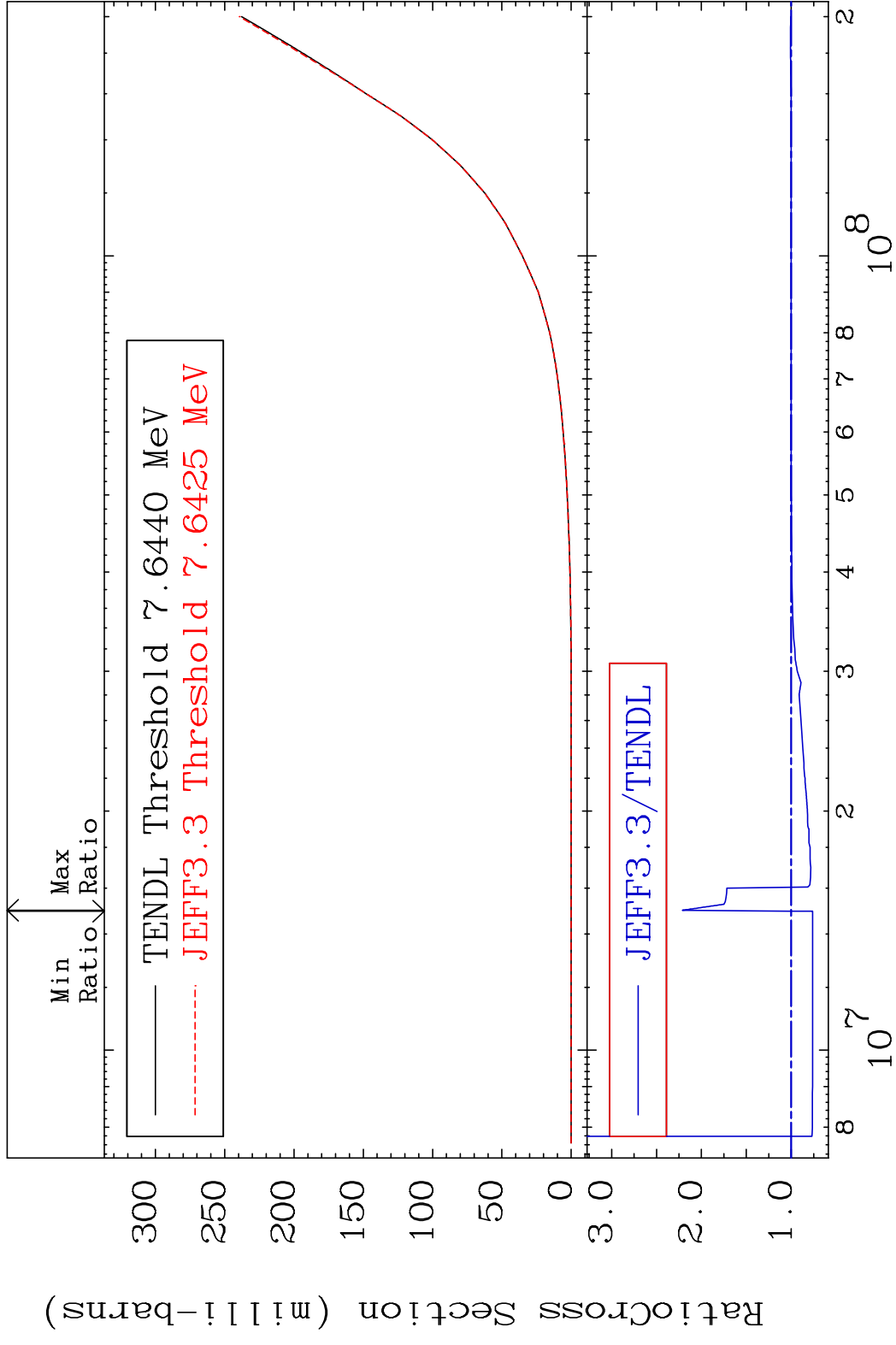
80-Hg-202

MAT 8043

He-3 Production

80-Hg-202

Cross Section -23.72 To 121.2 %



60

Incident Energy (eV)

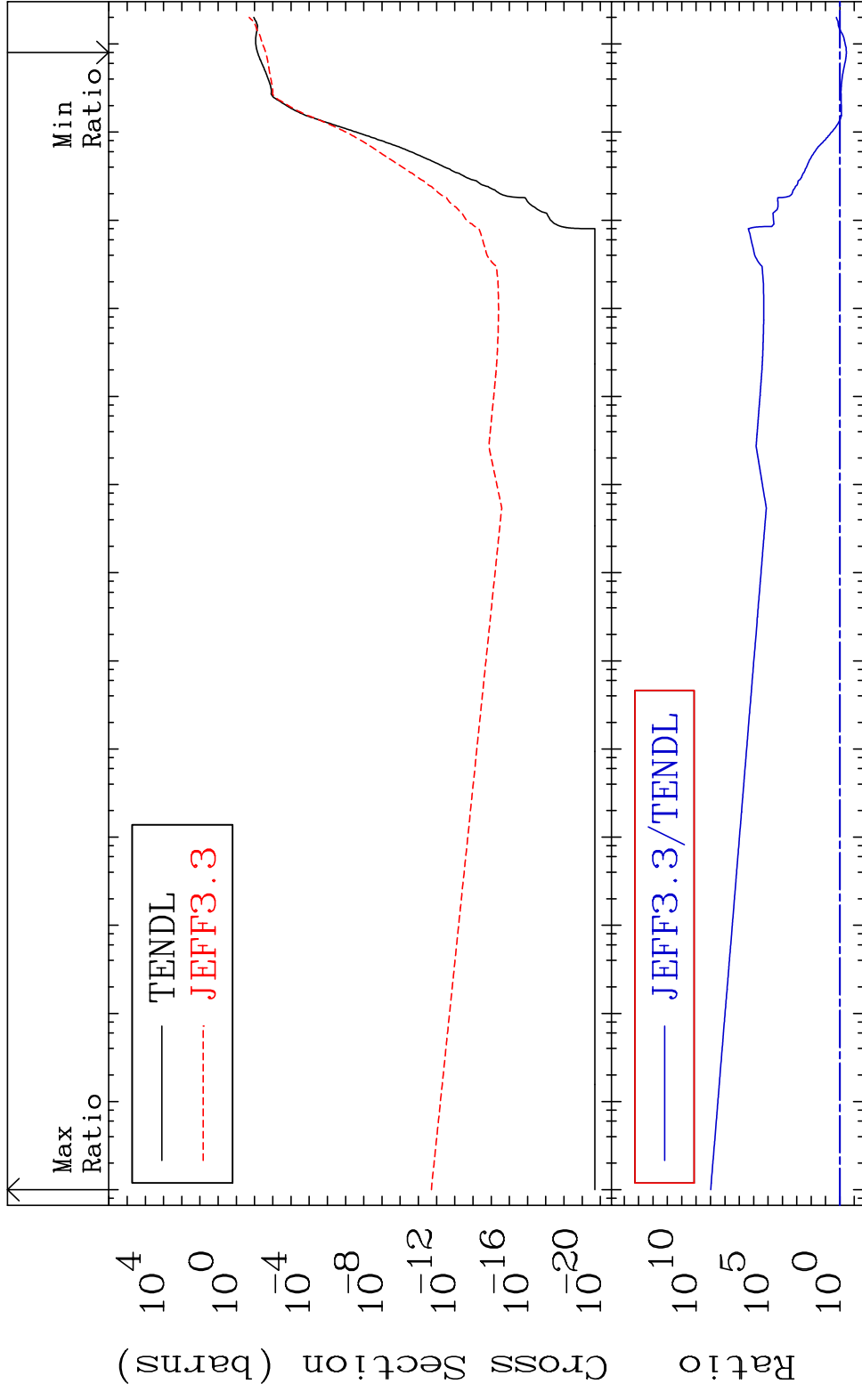
80-Hg-202

MAT 8043

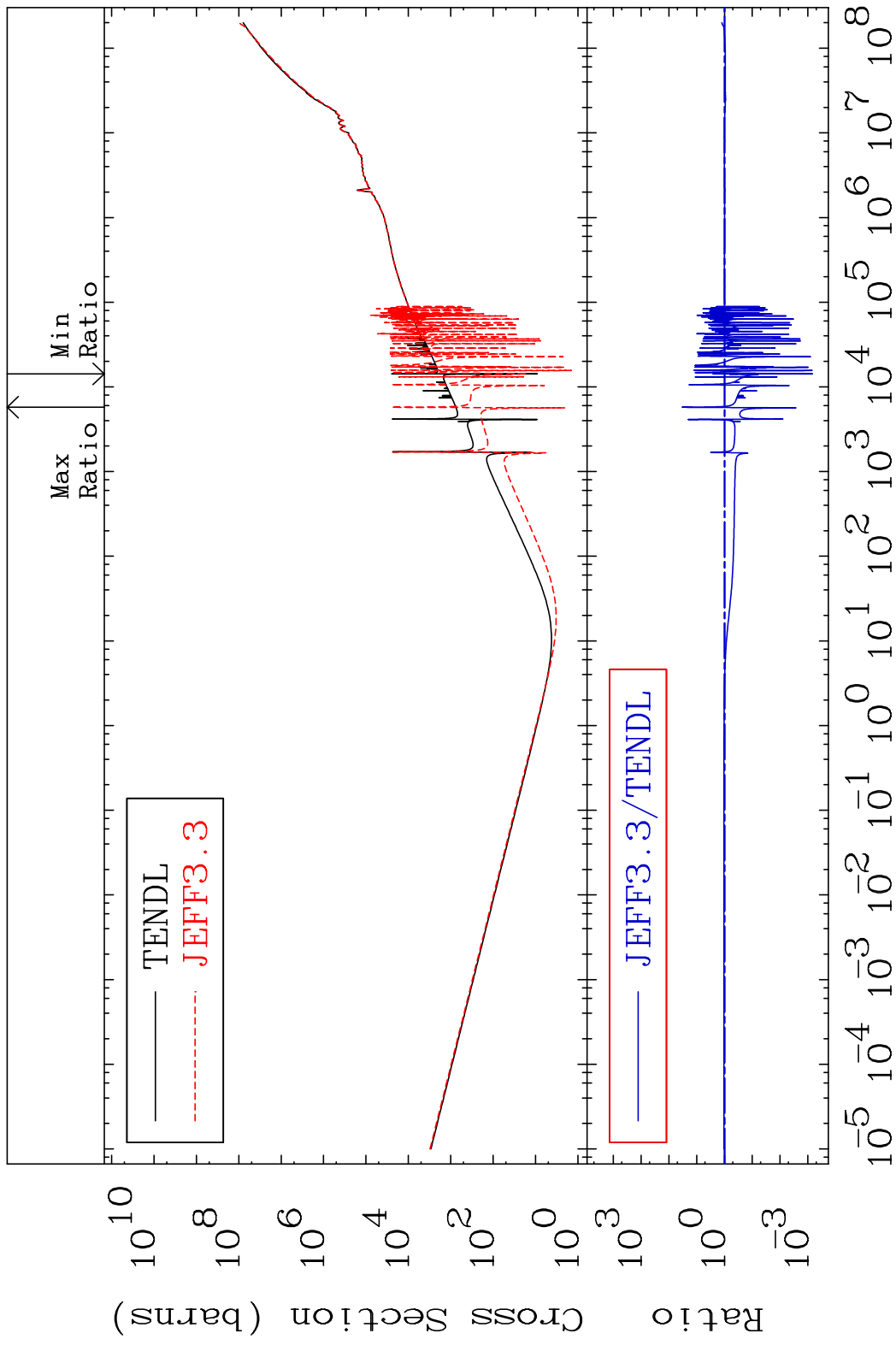
He-4 Production

80-Hg-202

Cross Section -64.16 To 9999. %



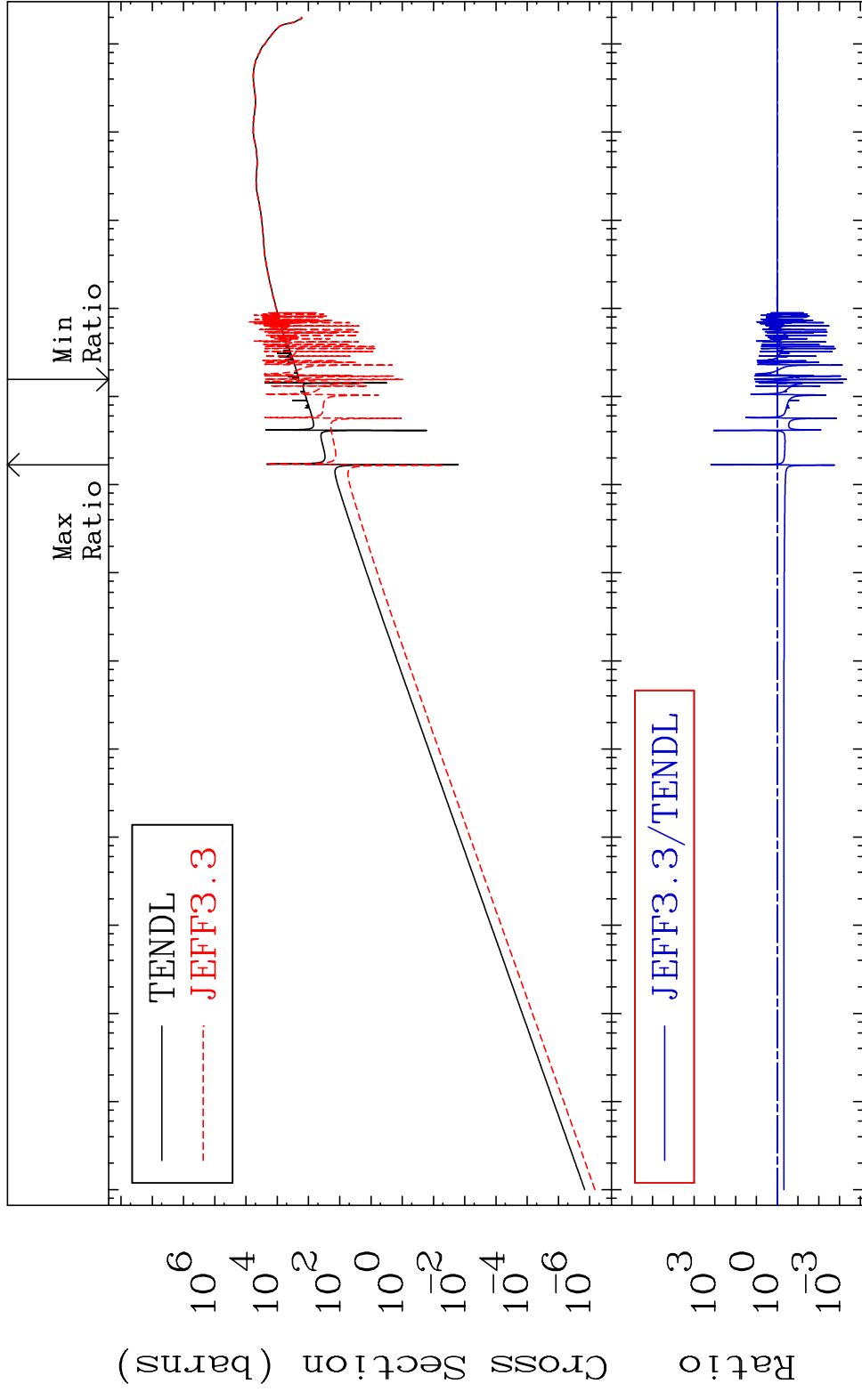
MAT 8043 Kerma total (eV-barns) 80-Hg-202
 Cross Section -99.93 To 3188. %



MAT 8043

Kerma elastic
Cross Section

80-Hg-202
-99.95 To 9999. %

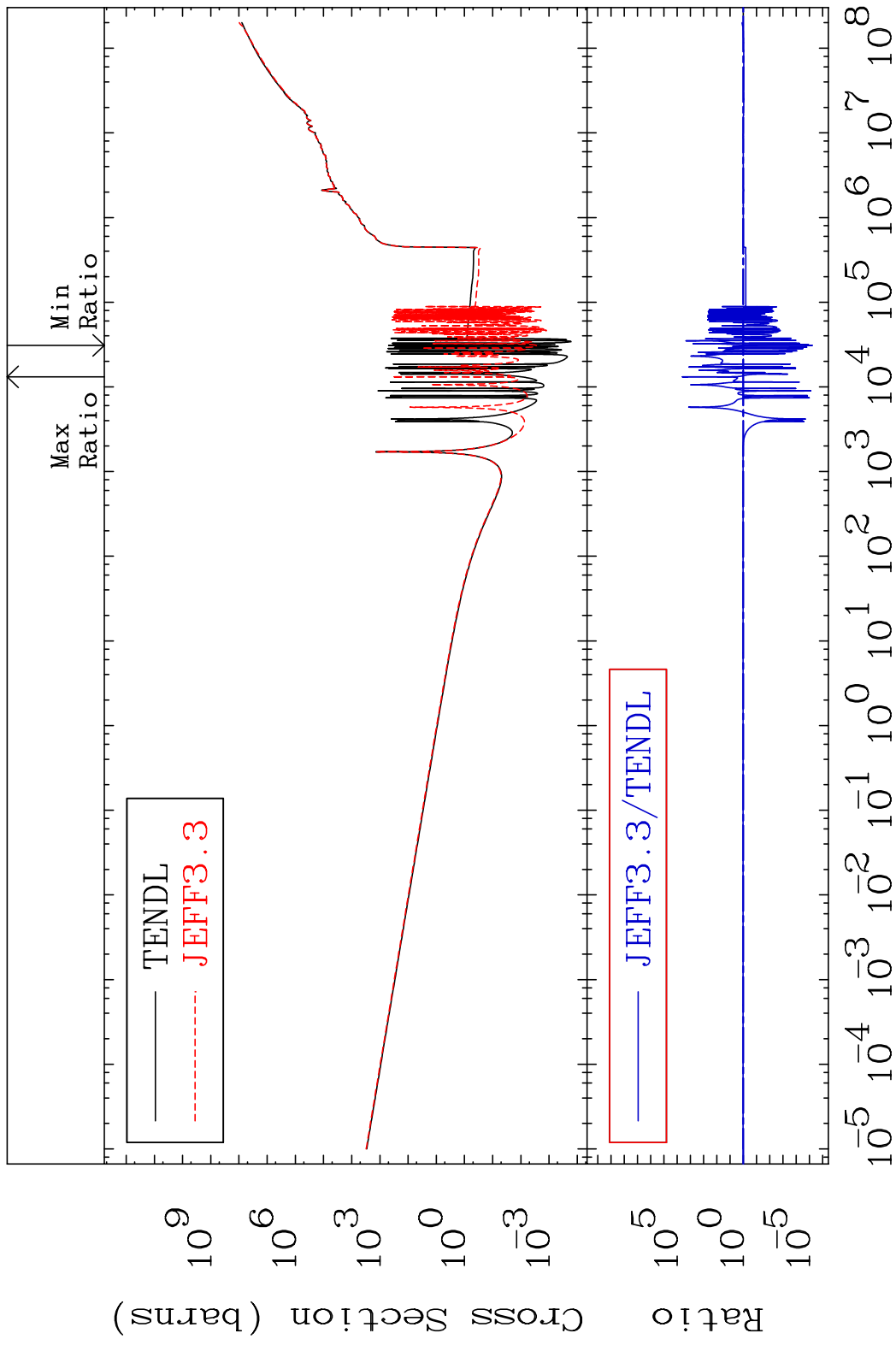


63

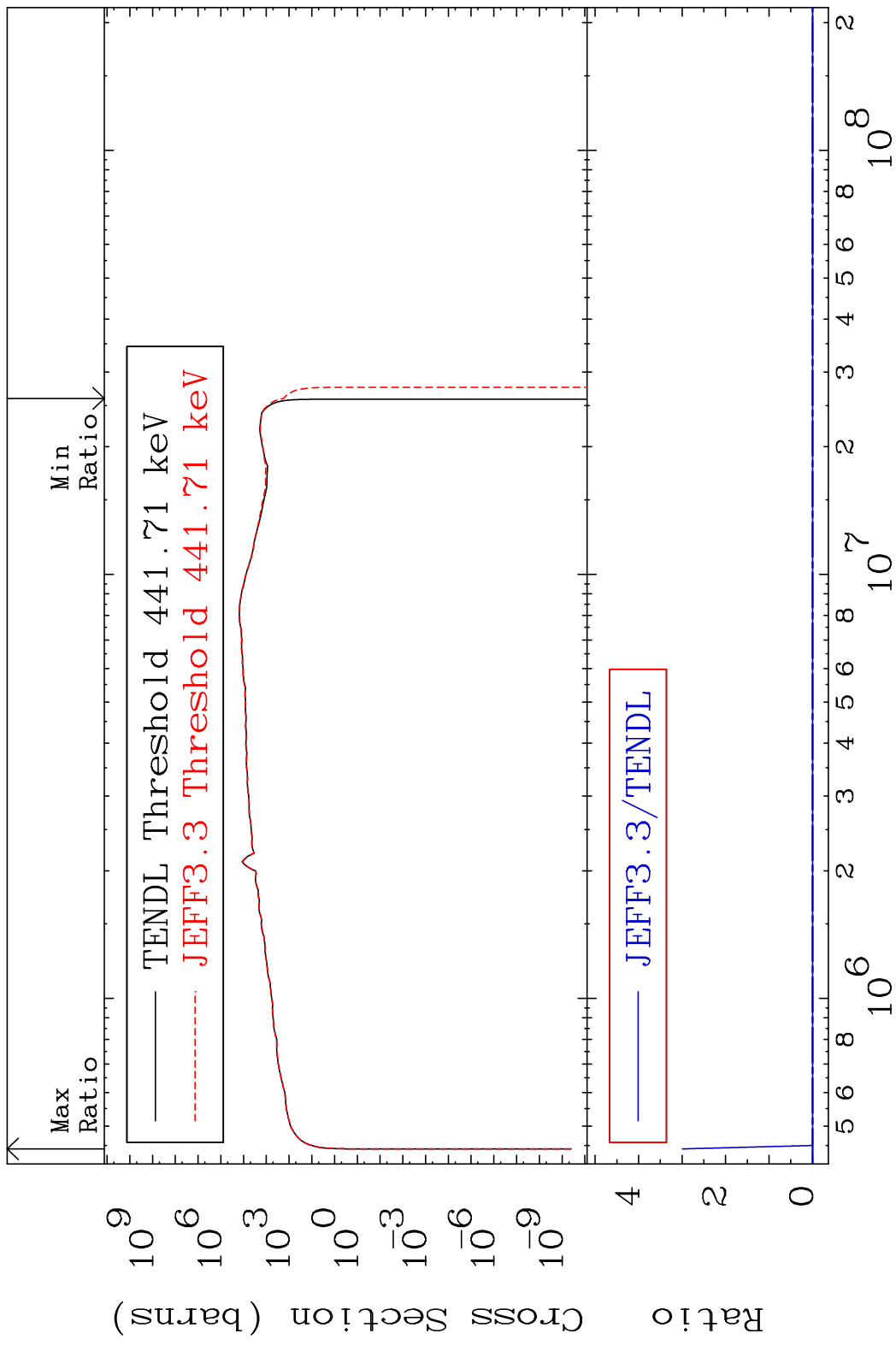
Incident Energy (eV)

80-Hg-202

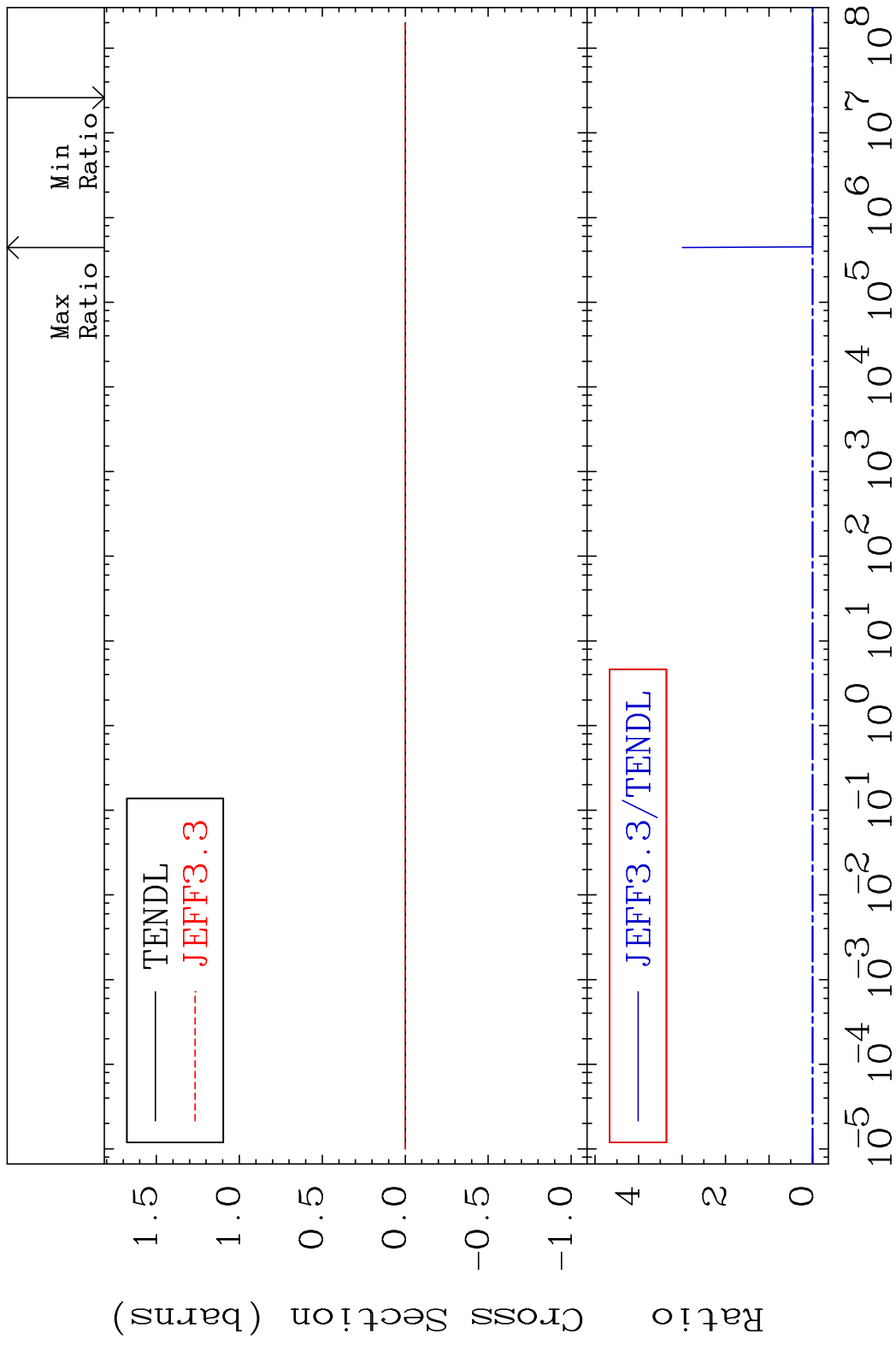
MAT 8043 Kerma non-elastic (all but mt2) 80-Hg-202
 Cross Section -100.0 To 9999. %



MAT 8043 Kerma inelastic (mt51-91) 80-Hg-202
 Cross Section -286.3 To 9999. %

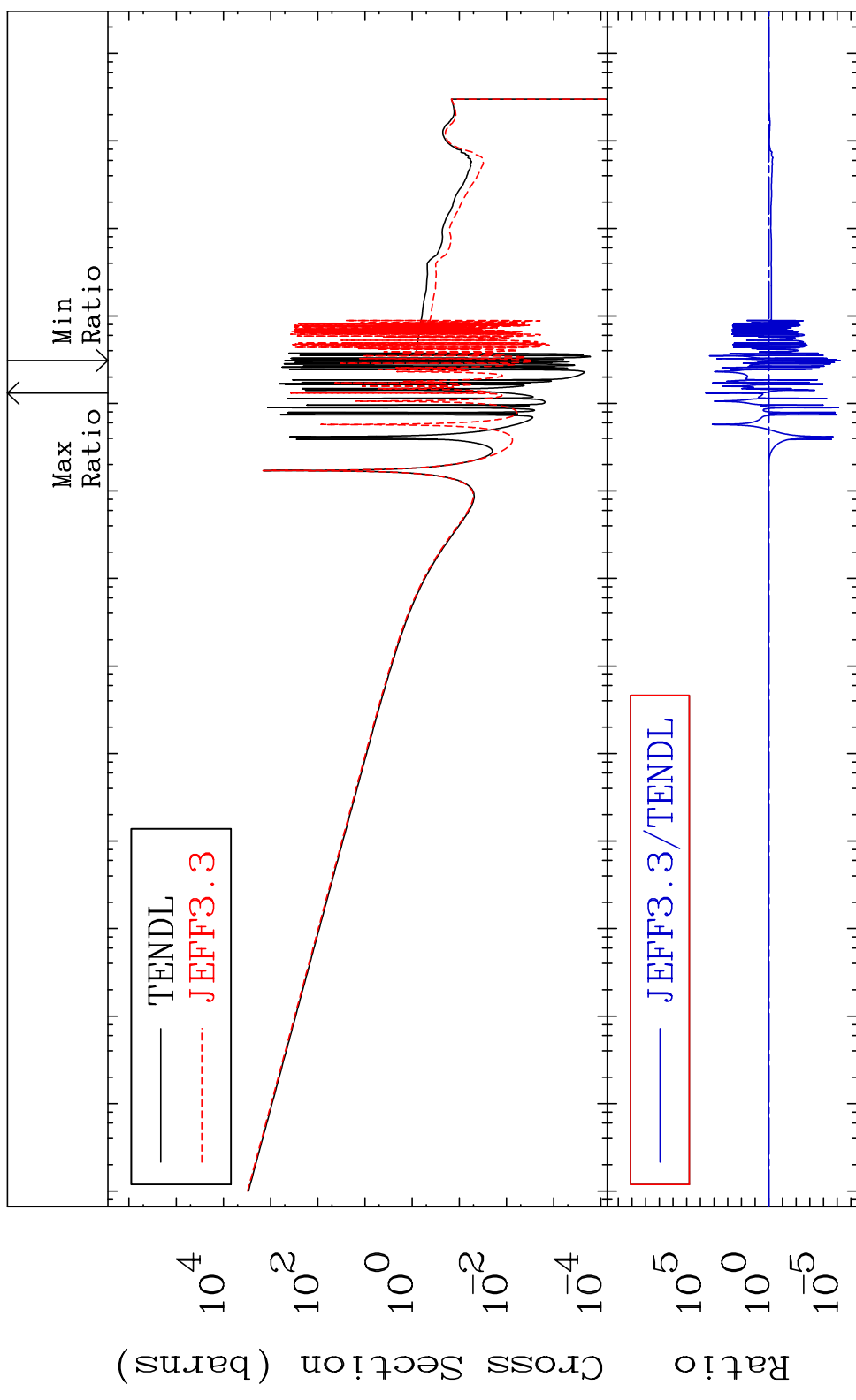


MAT 8043 Kerma fission (mt18 or mt19-20-21-38) 80-Hg-202
 Cross Section -286.3 To 9999. %



MAT 8043

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

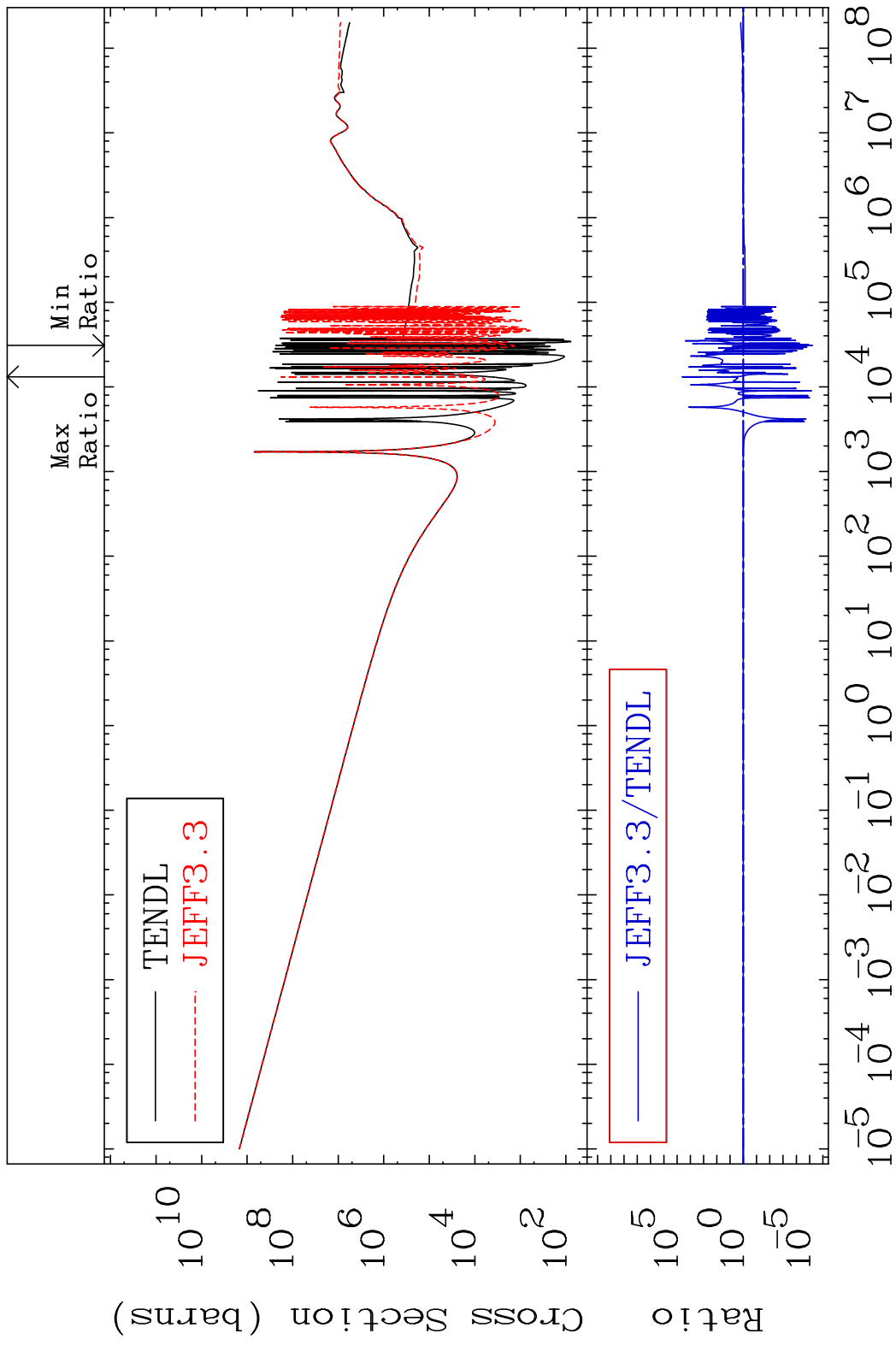


67

Incident Energy (eV)

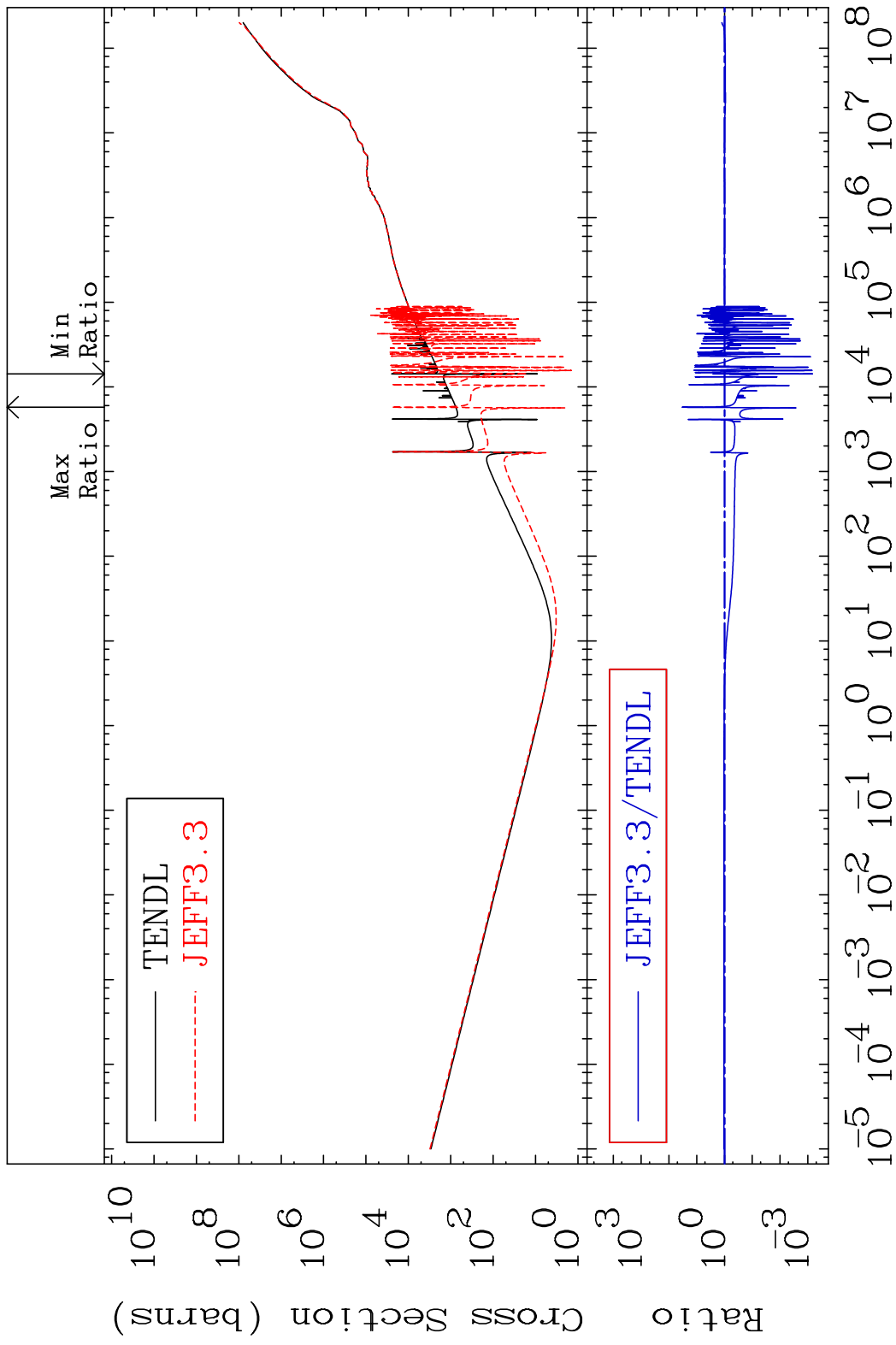
80-Hg-202

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



68 Incident Energy (eV) 80-Hg-202

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

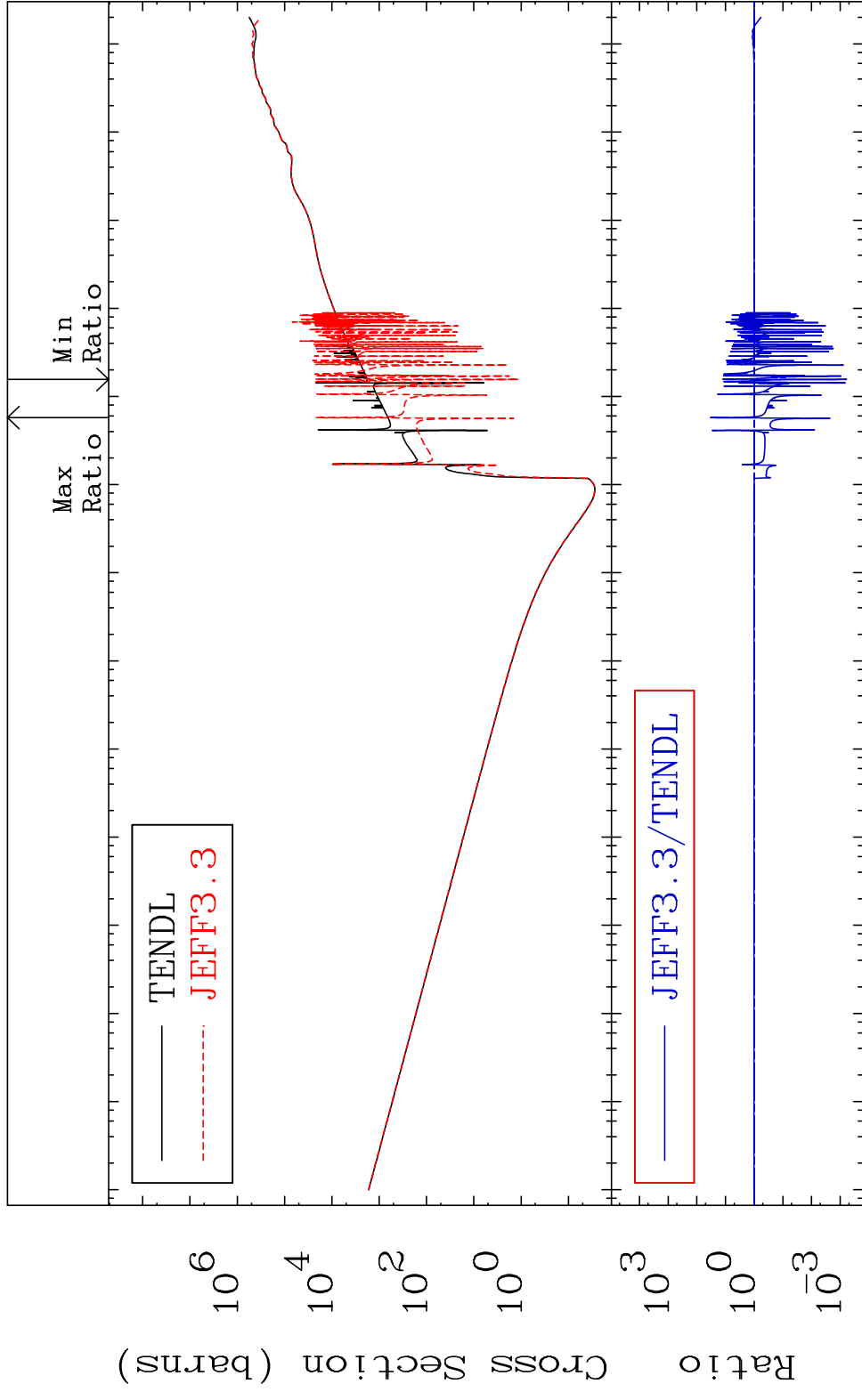


MAT 8043

Dpa total (eV-barns)

80-Hg-202

Cross Section -99.94 To 3184. %



70

Incident Energy (eV)

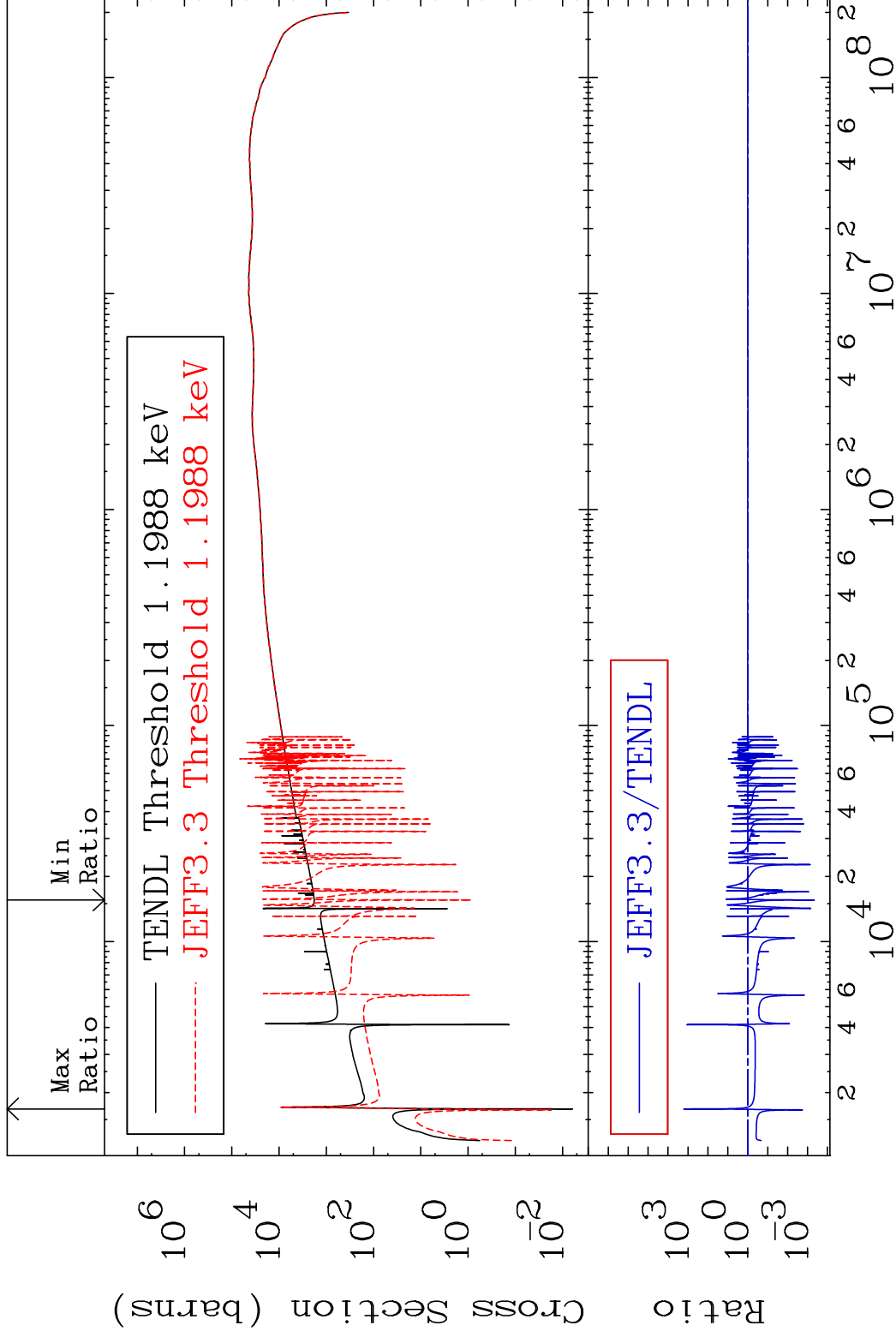
80-Hg-202

MAT 8043

Dpa elastic (mt2)

80-Hg-202

Cross Section -99.95 To 9999. %

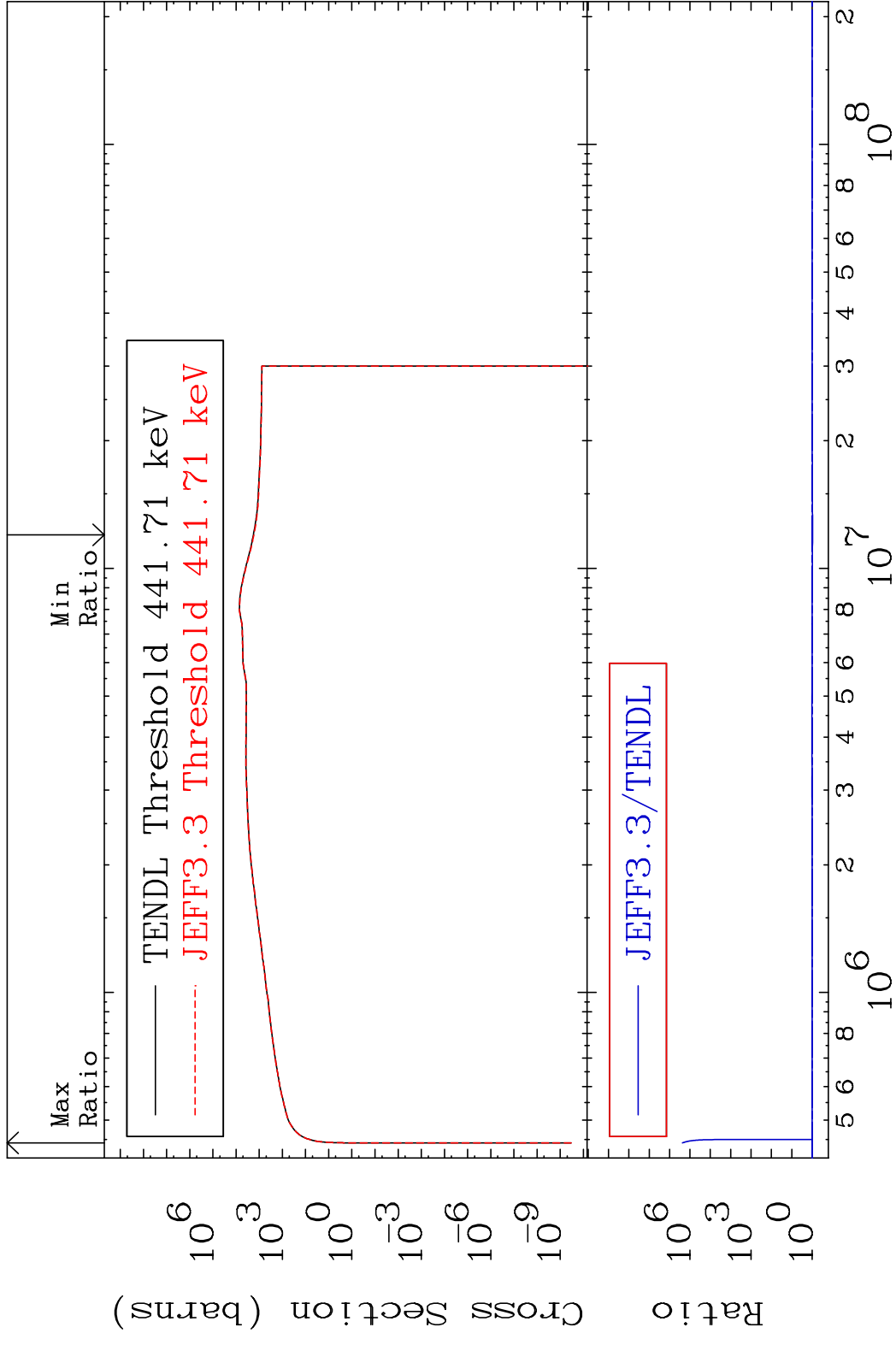


71

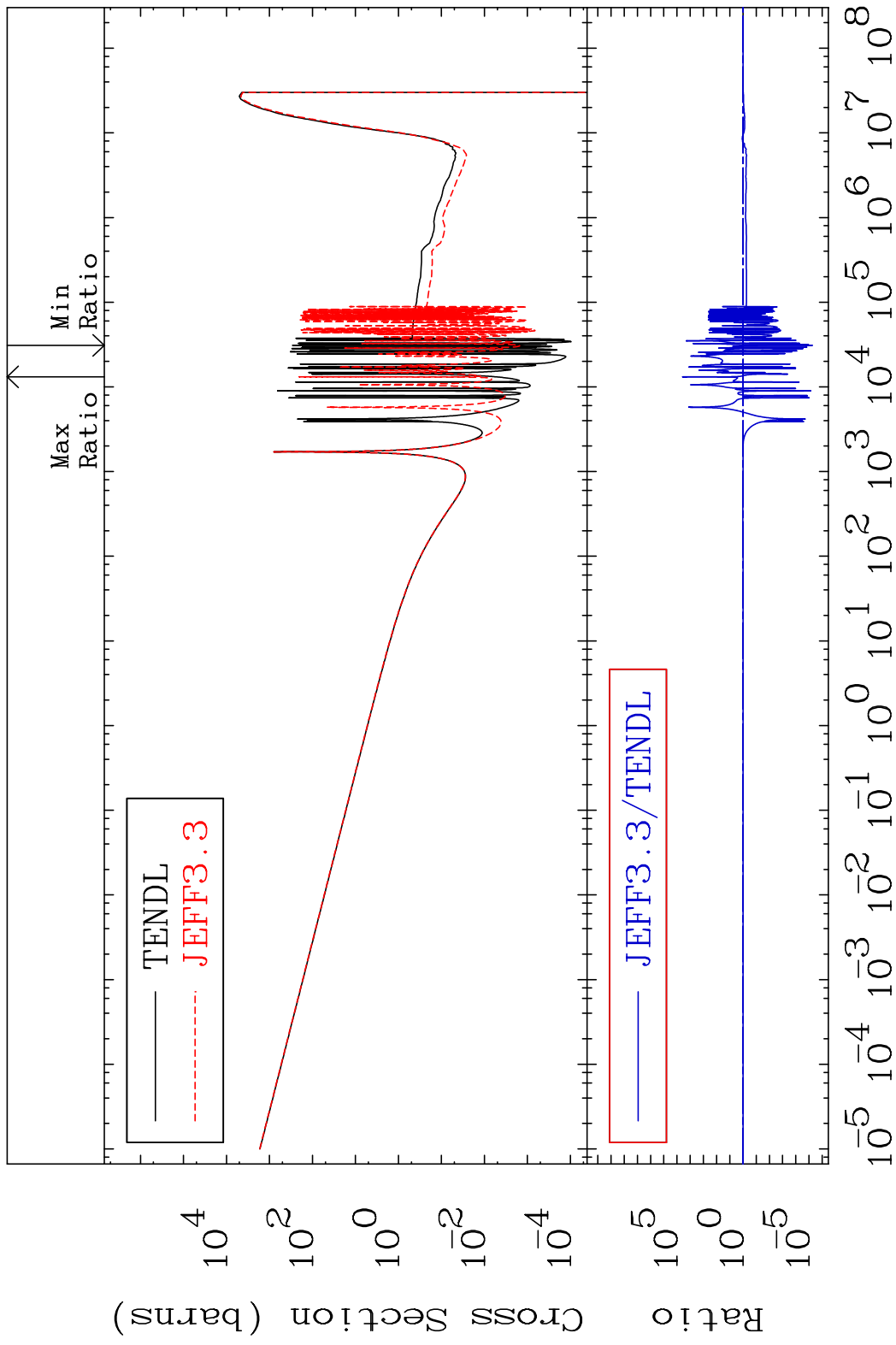
Incident Energy (eV)

80-Hg-202

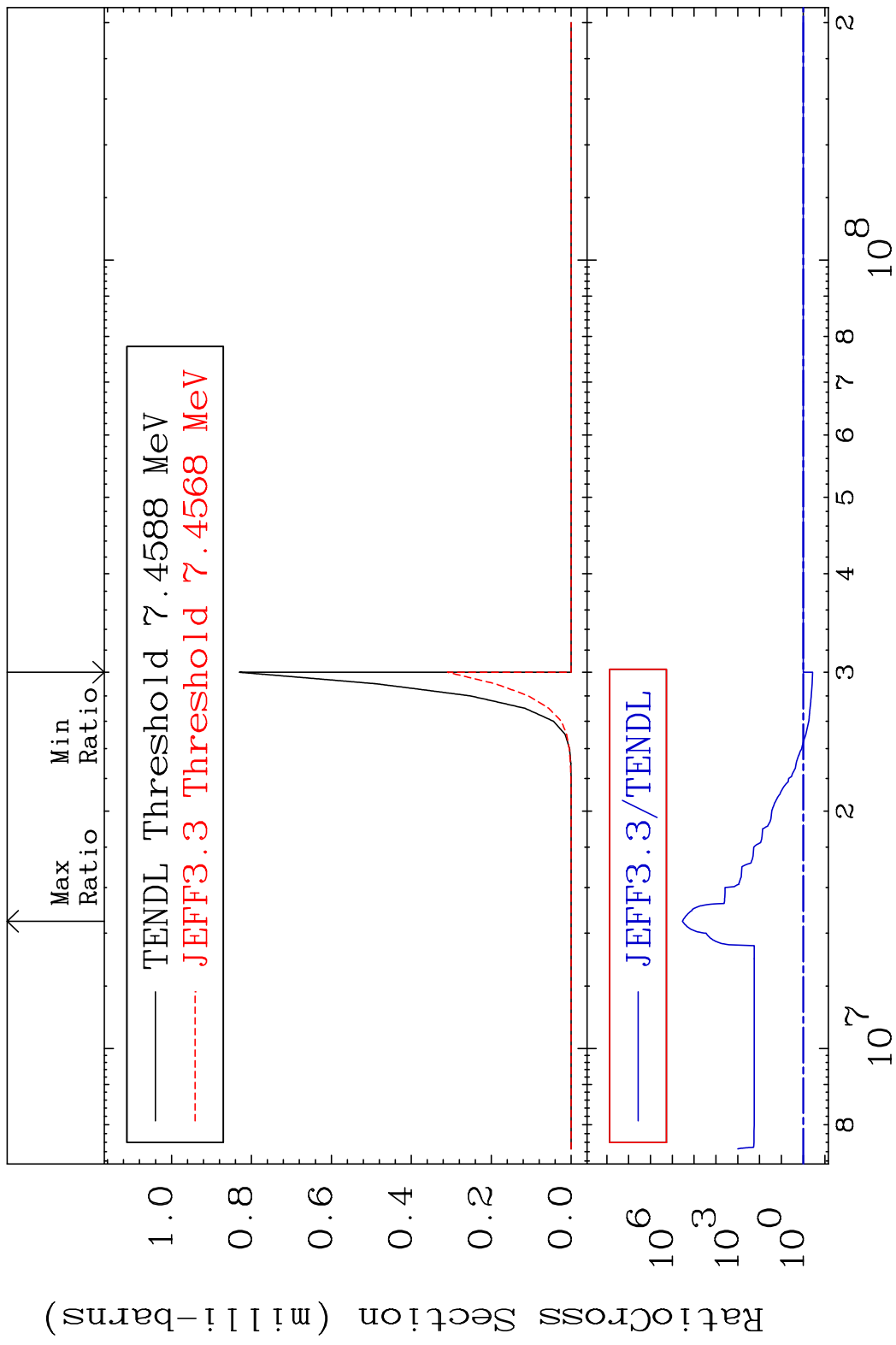
MAT 8043 Dpa inelastic (mt51-91) 80-Hg-202
 Cross Section -4.996 To 9999. %



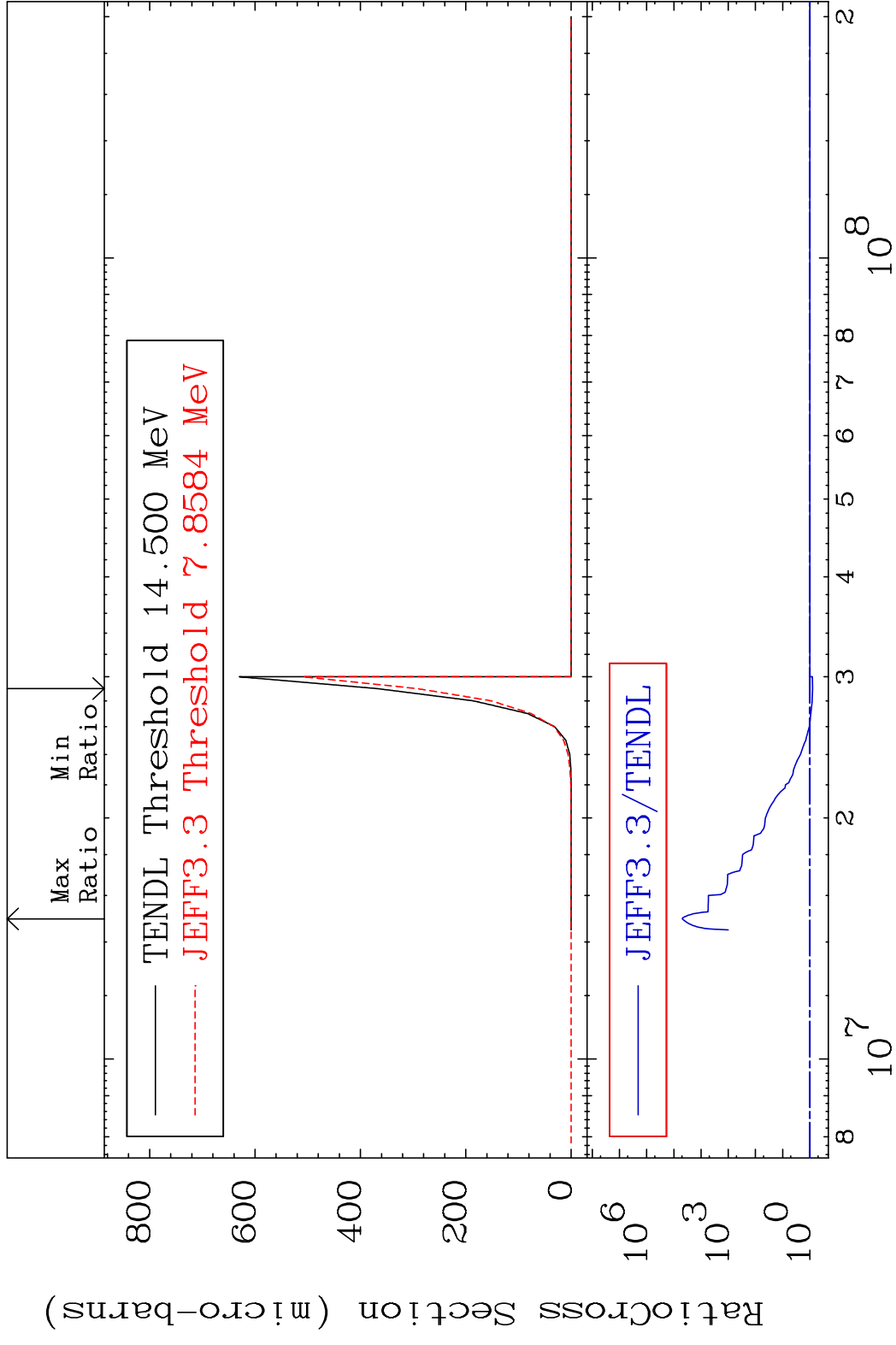
MAT 8043 Dpa disappearance (mt102 -120) 80-Hg-202
 Cross Section -100.0 To 9999. %



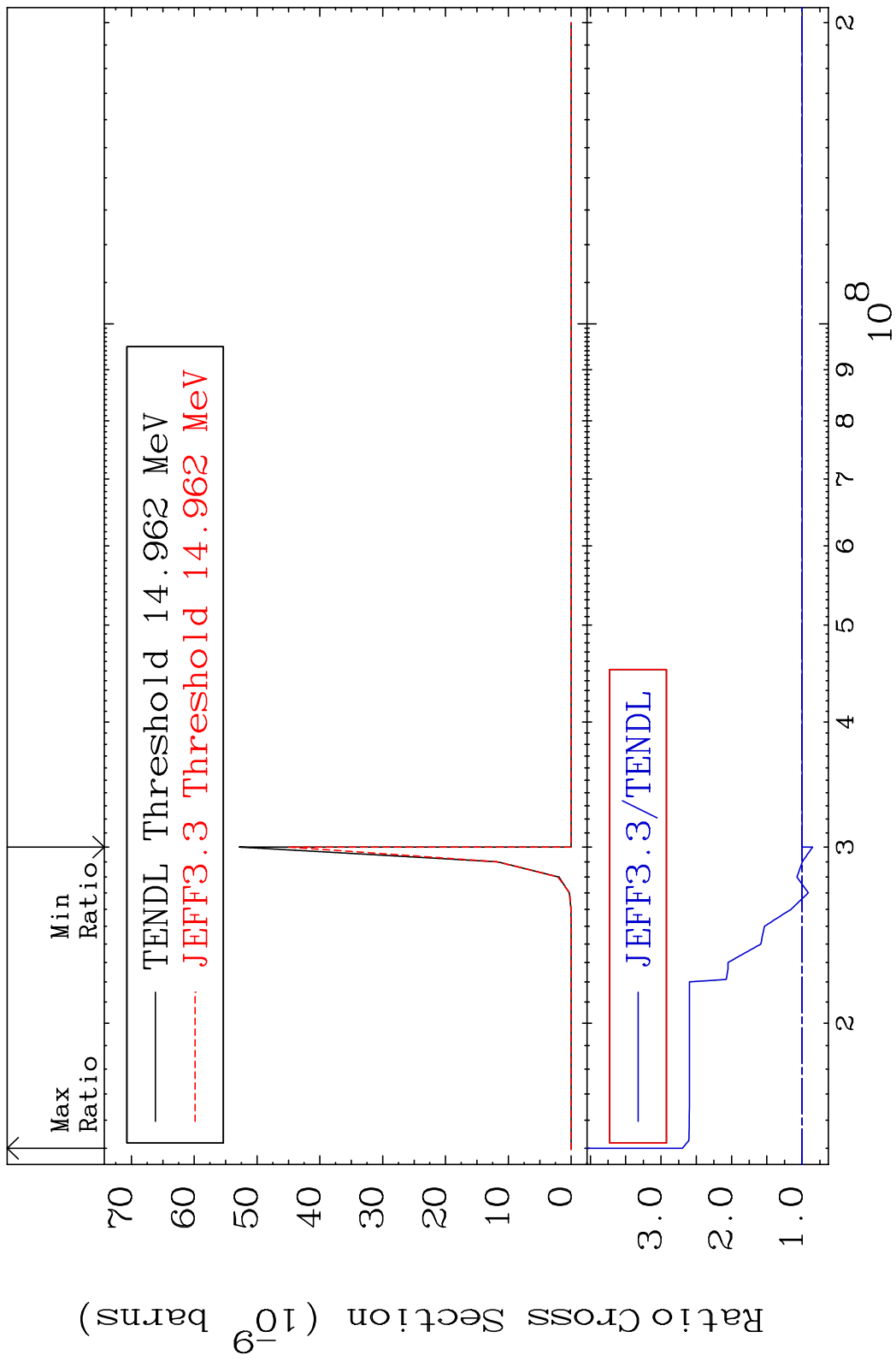
73 Incident Energy (eV) 80-Hg-202

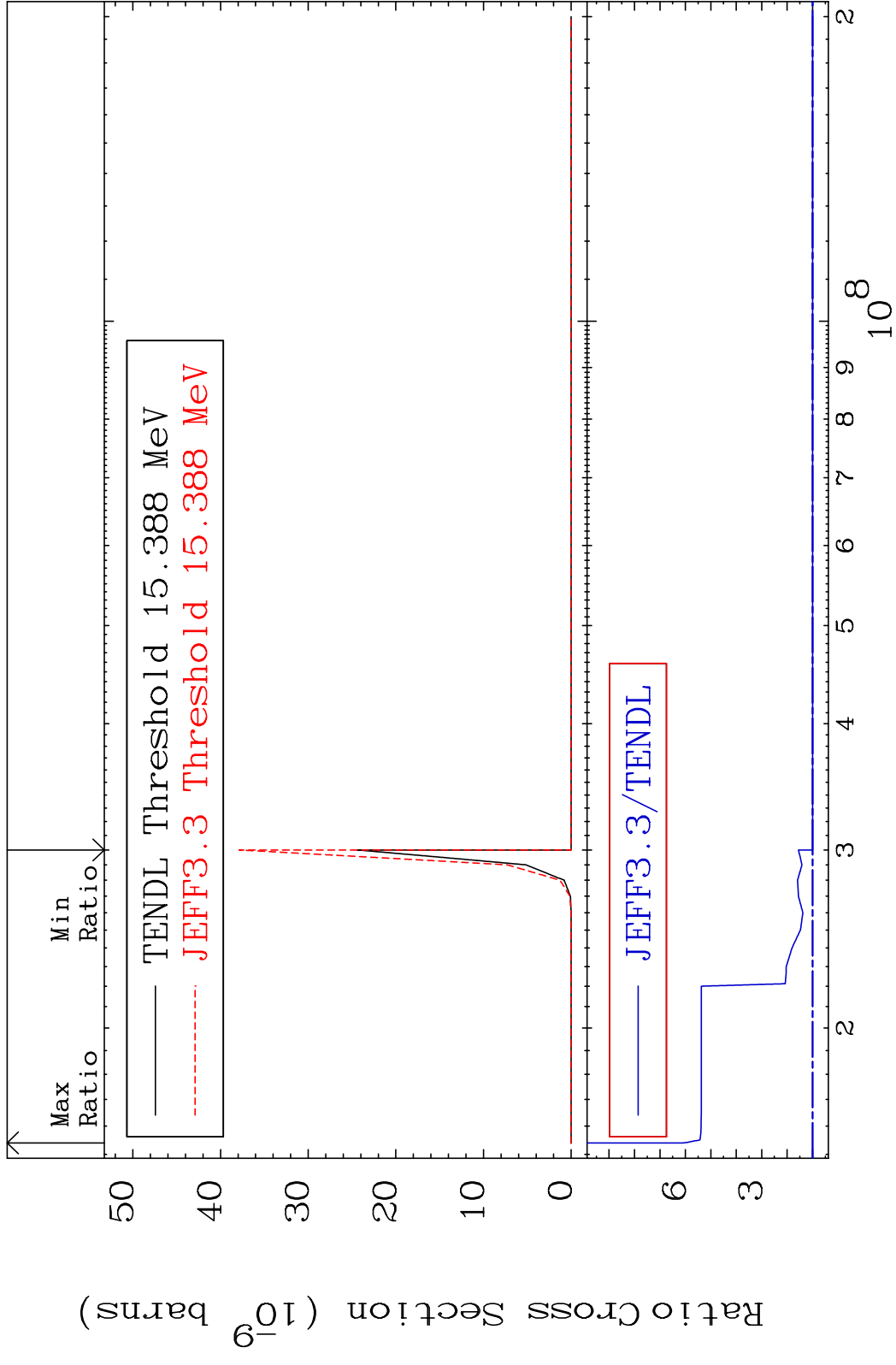


MAT 8043 (n,2n) α :78-Pt-197m9 80-Hg-202
 Radionuclide Production Cross Section 9999. %



75 80-Hg-202





MAT 8043 (n,4n):80-Hg-199g 80-Hg-202
 Radionuclide Production Cross Section 3.231 d10 1398. %

