

Program Complot
(Version 2021-1)

by

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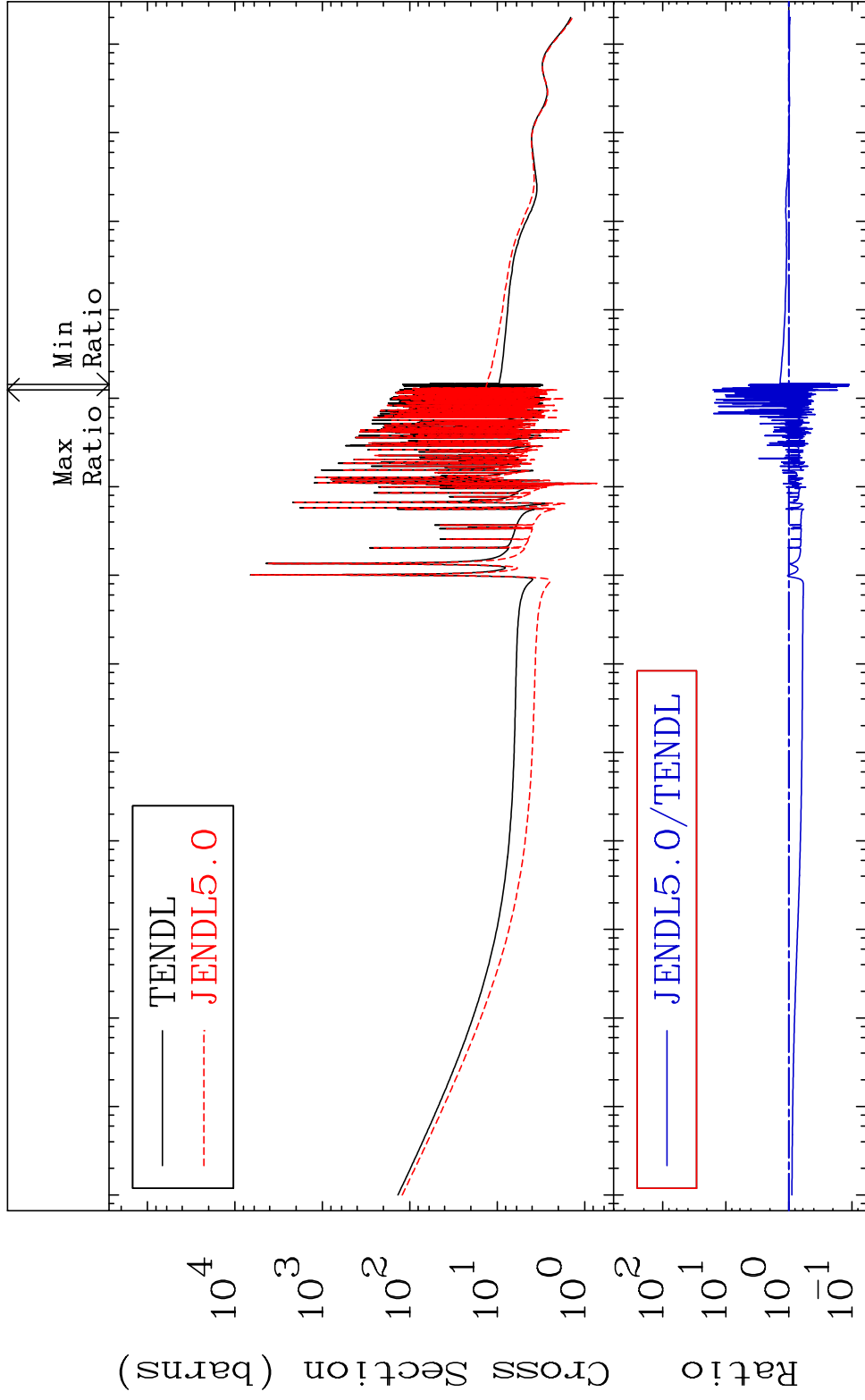
Press Mouse Button to Start

MAT 3531

Total

35-Br-81

Cross Section -89.00 To 1487. %



1

Incident Energy (eV)

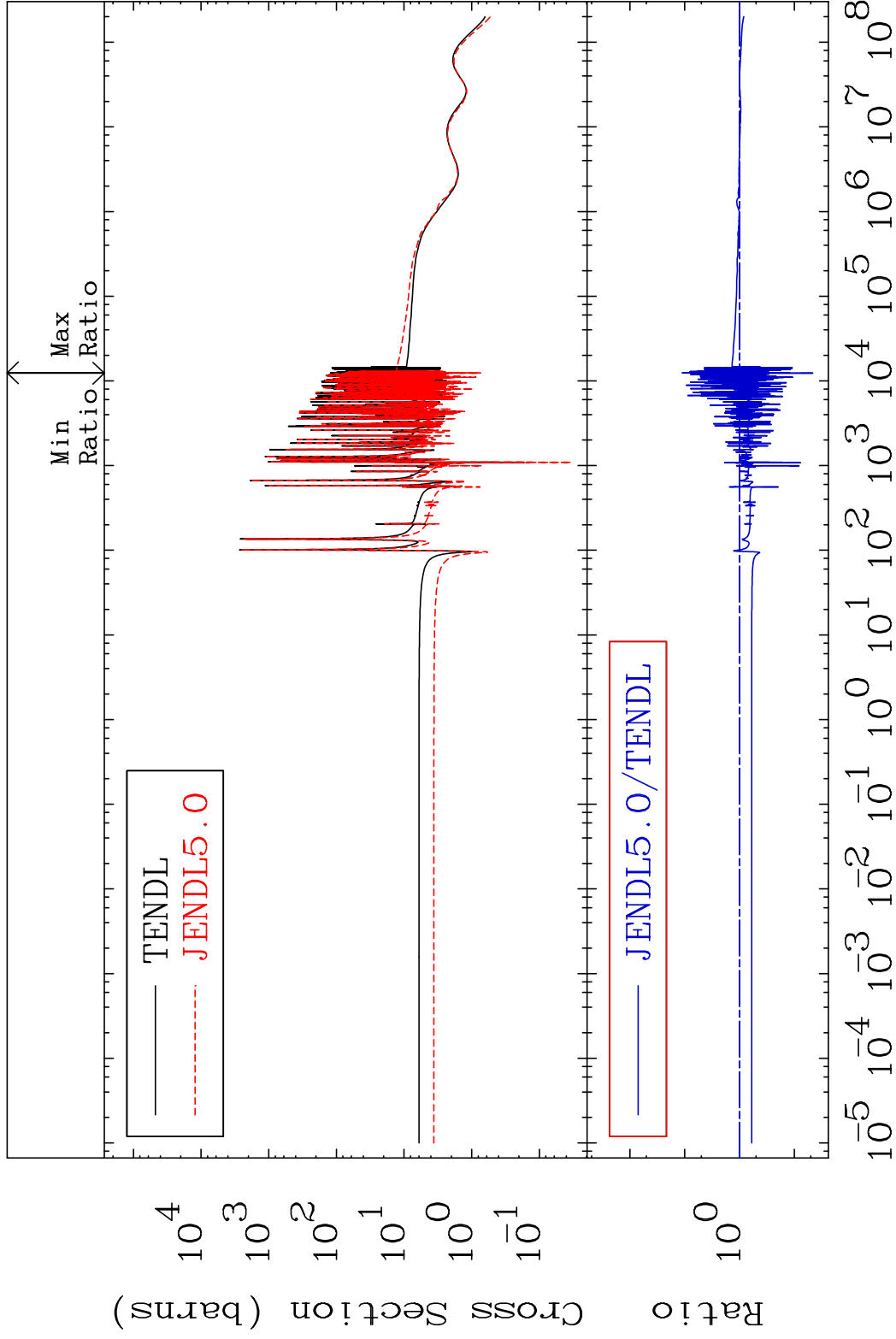
35-Br-81

MAT 3531

Elastic

35-Br-81

Cross Section -95.35 To 1006. %

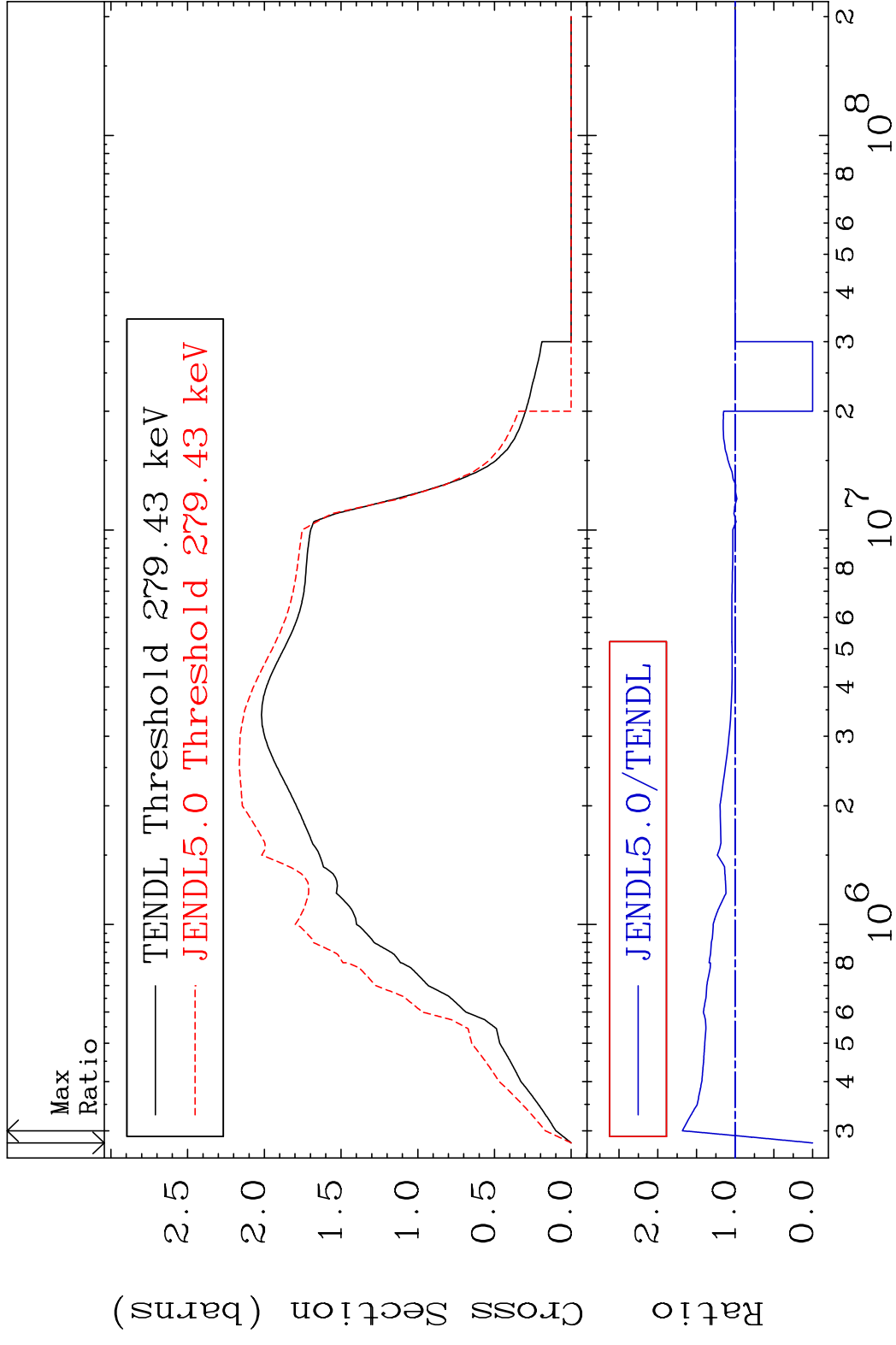


2

Incident Energy (eV)

35-Br-81

MAT 3531 Inelastic 35-Br-81
 Cross Section -100.0 To 68.25 %

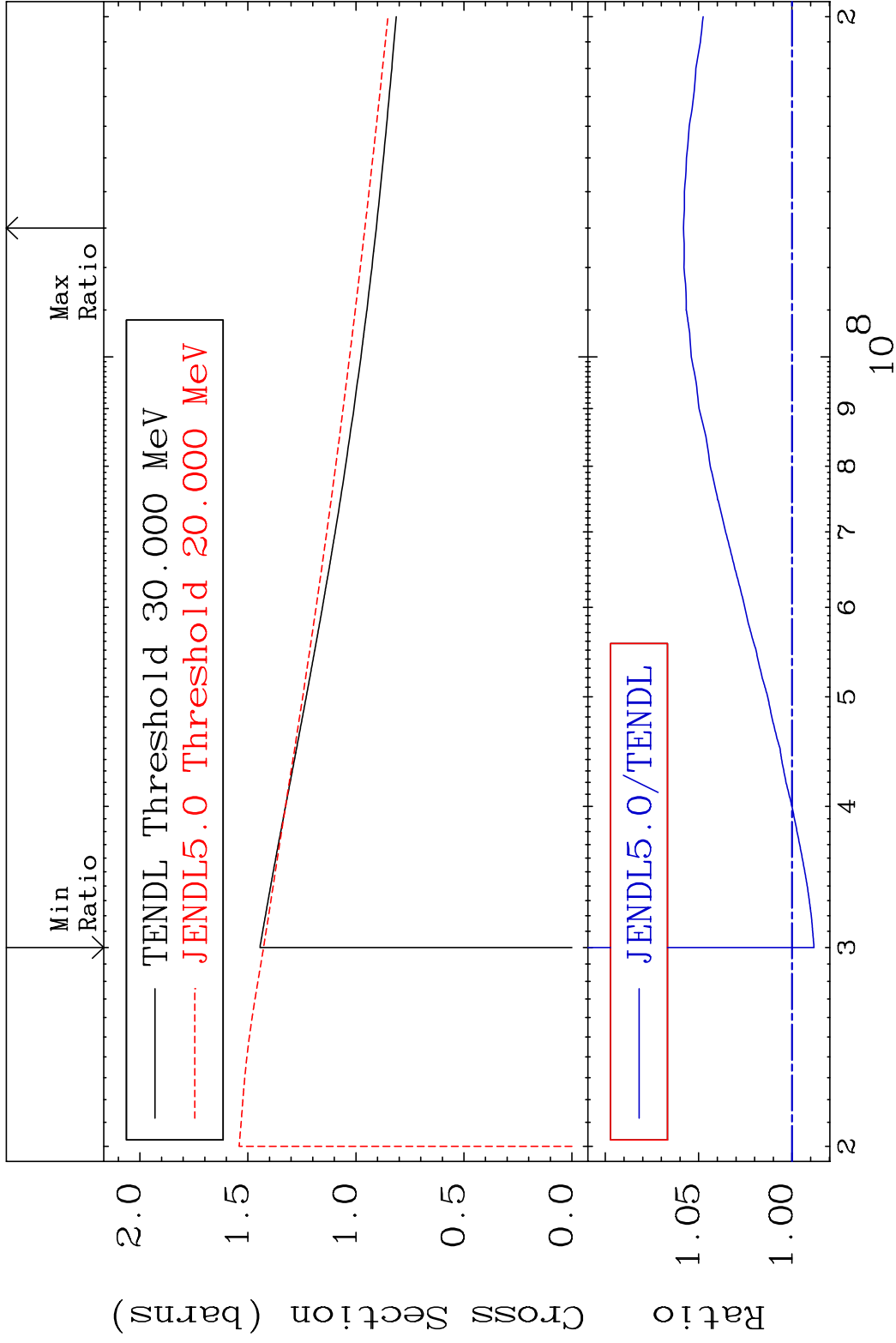


MAT 3531

(n, remainder)

35-Br-81

Cross Section -1.181 To 5.816 %



4

Incident Energy (eV)

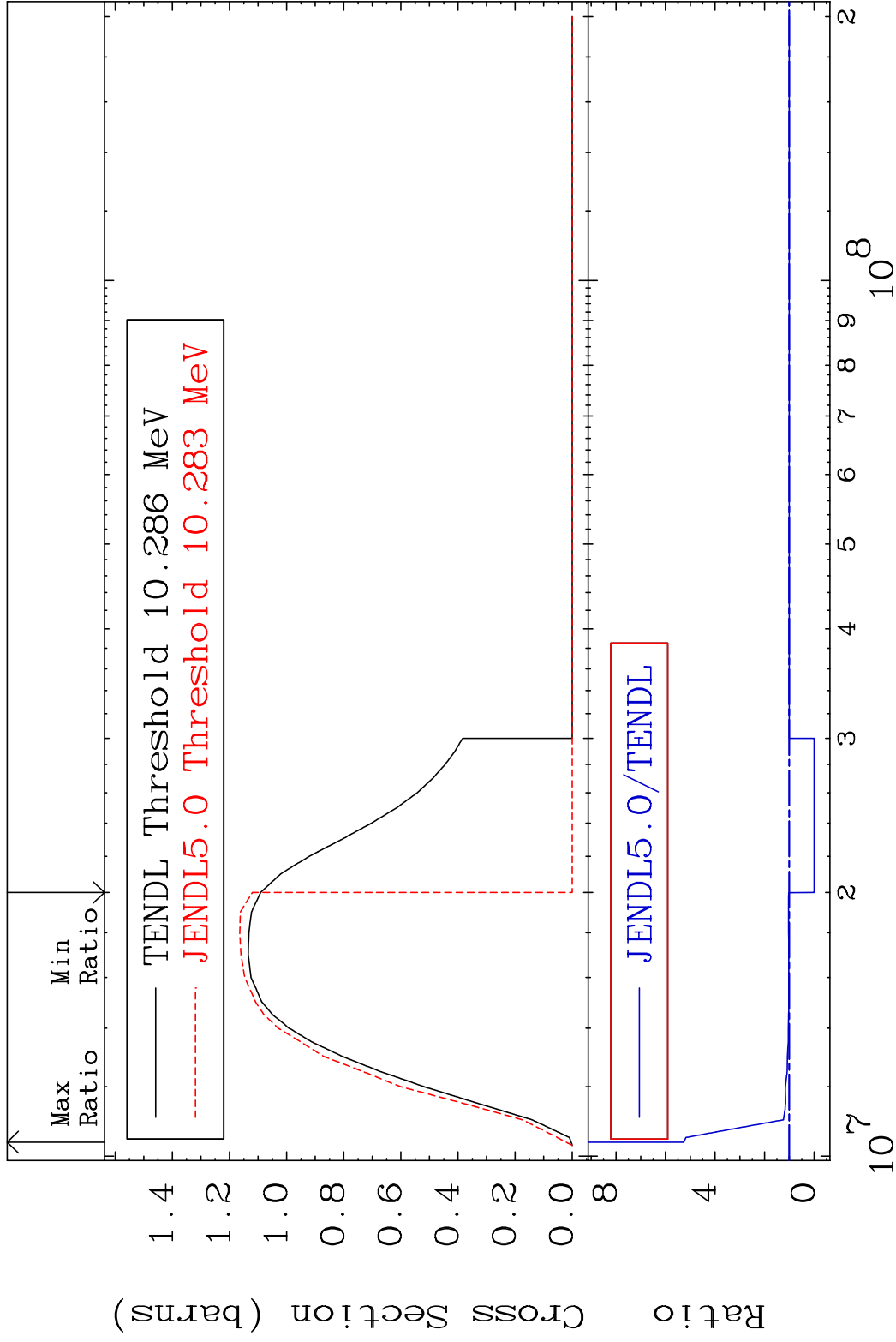
35-Br-81

MAT 3531

(n,2n)

35-Br-81

Cross Section -100.0 To 426.8 %



5

Incident Energy (eV)

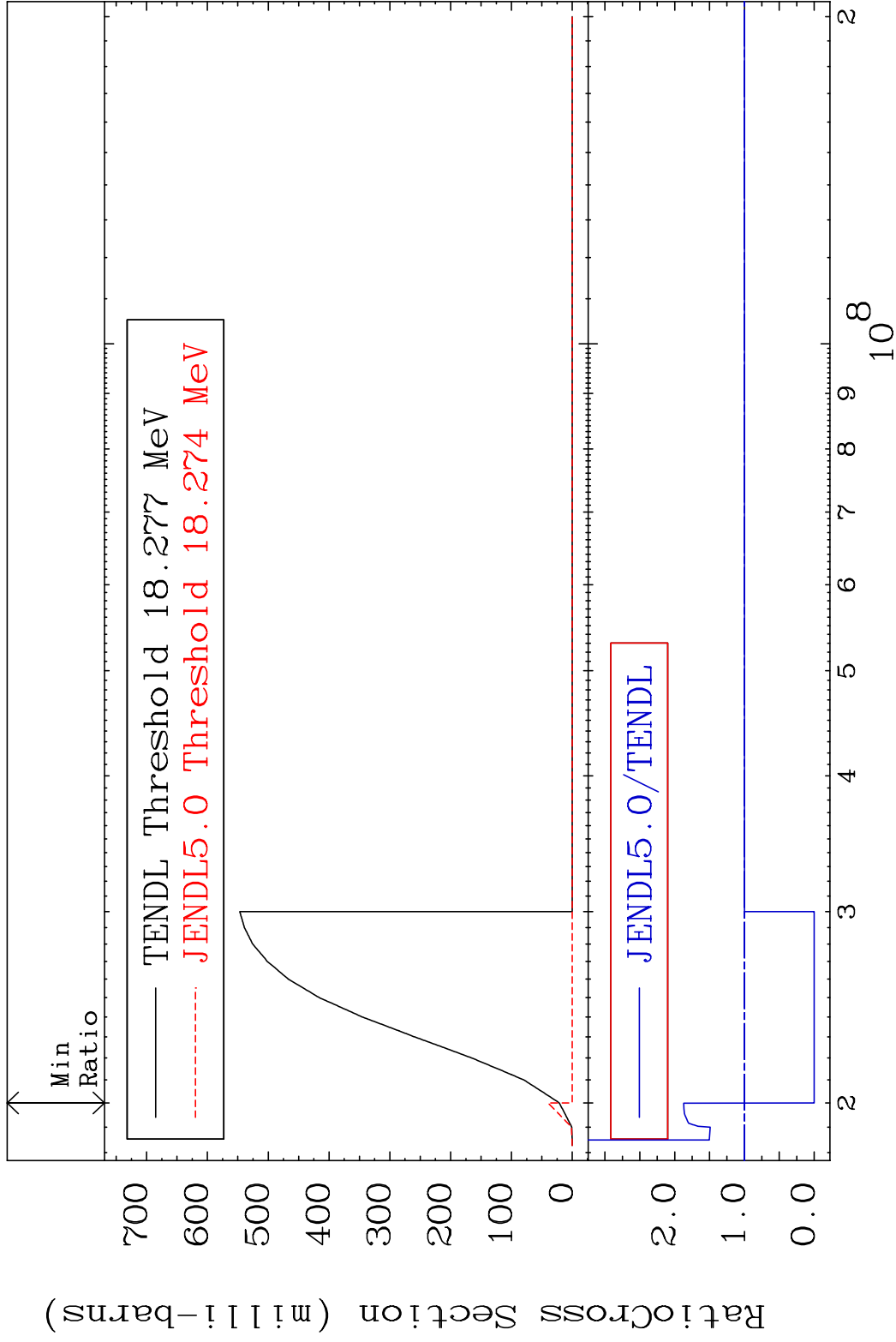
35-Br-81

MAT 3531

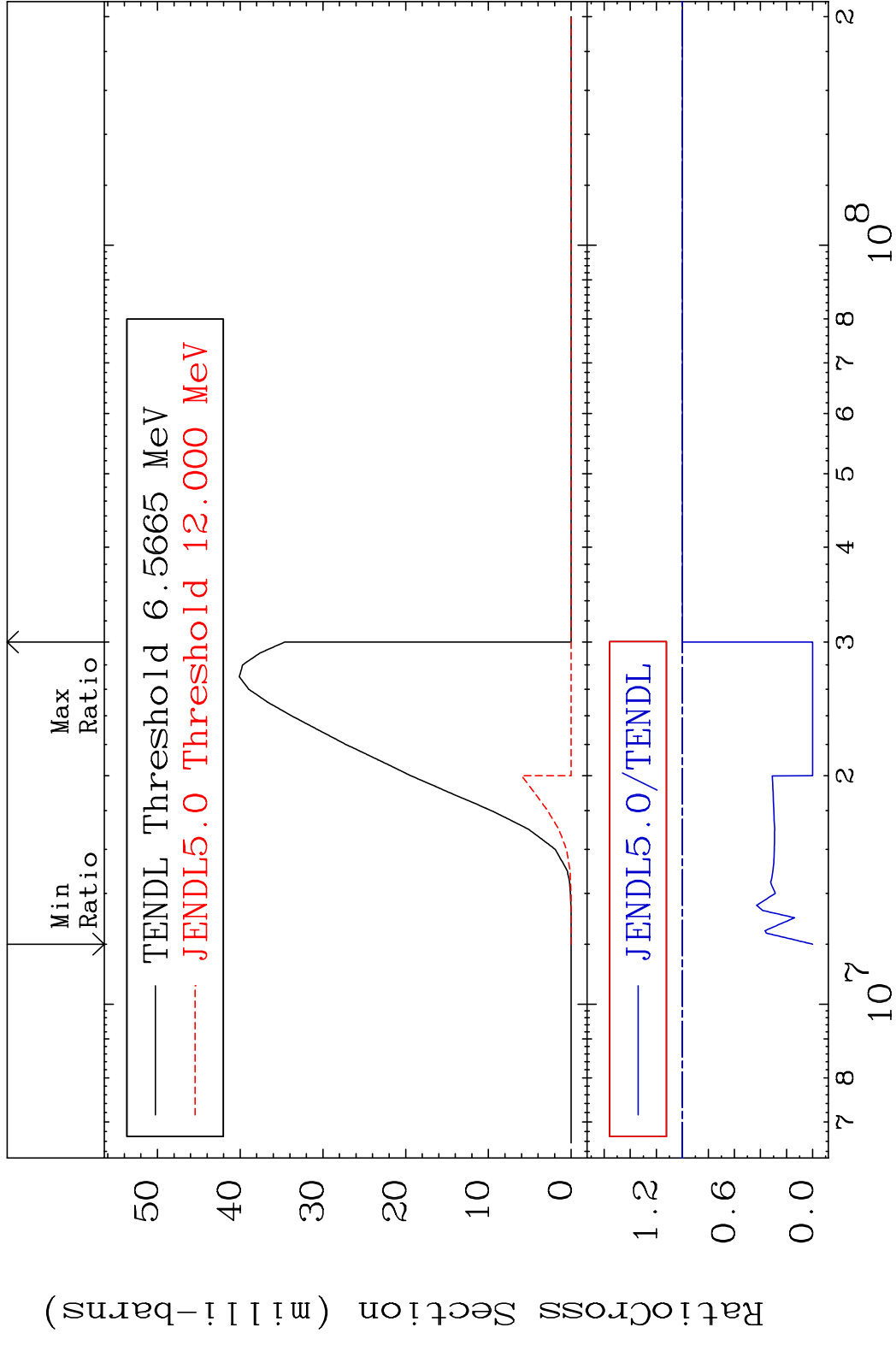
(n,3n)

35-Br-81

Cross Section -100.0 To 87.13 %

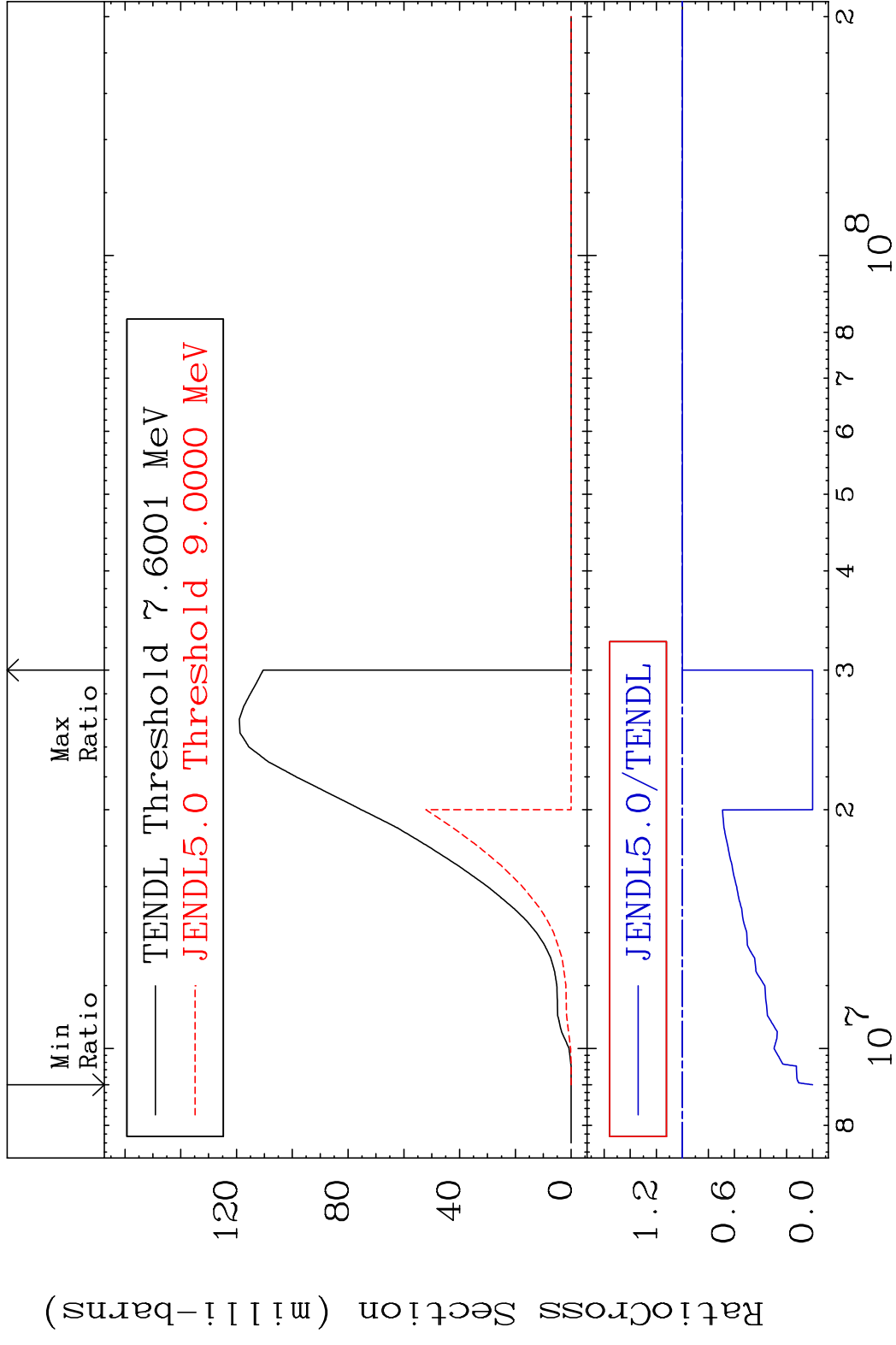


MAT 3531 (n, n') α 35-Br-81
 Cross Section -100.0 To 0.000 %



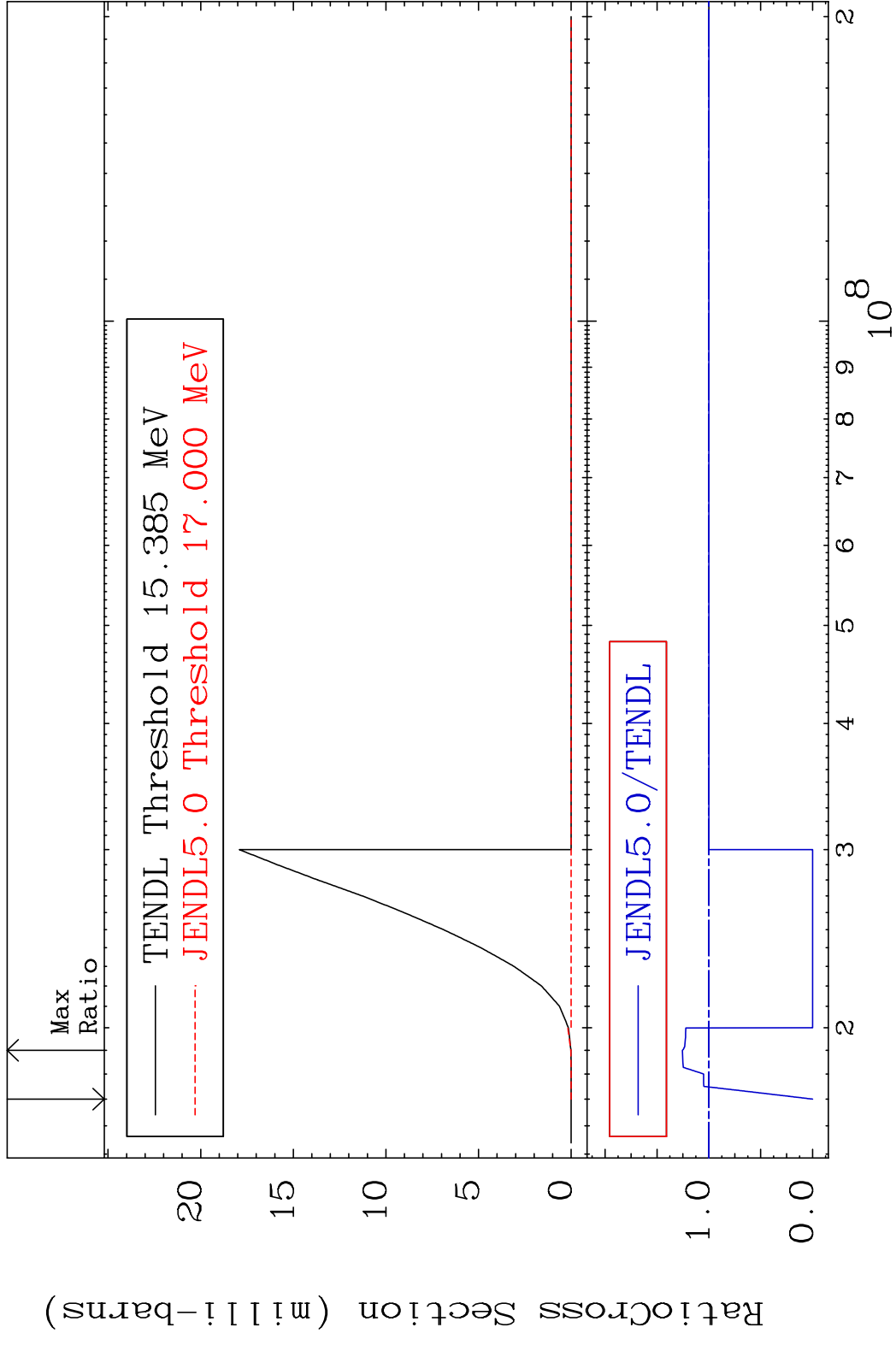
7 Incident Energy (eV) 35-Br-81

MAT 3531 (n, n') p 35-Br-81
 Cross Section -100.0 To 0.000 %

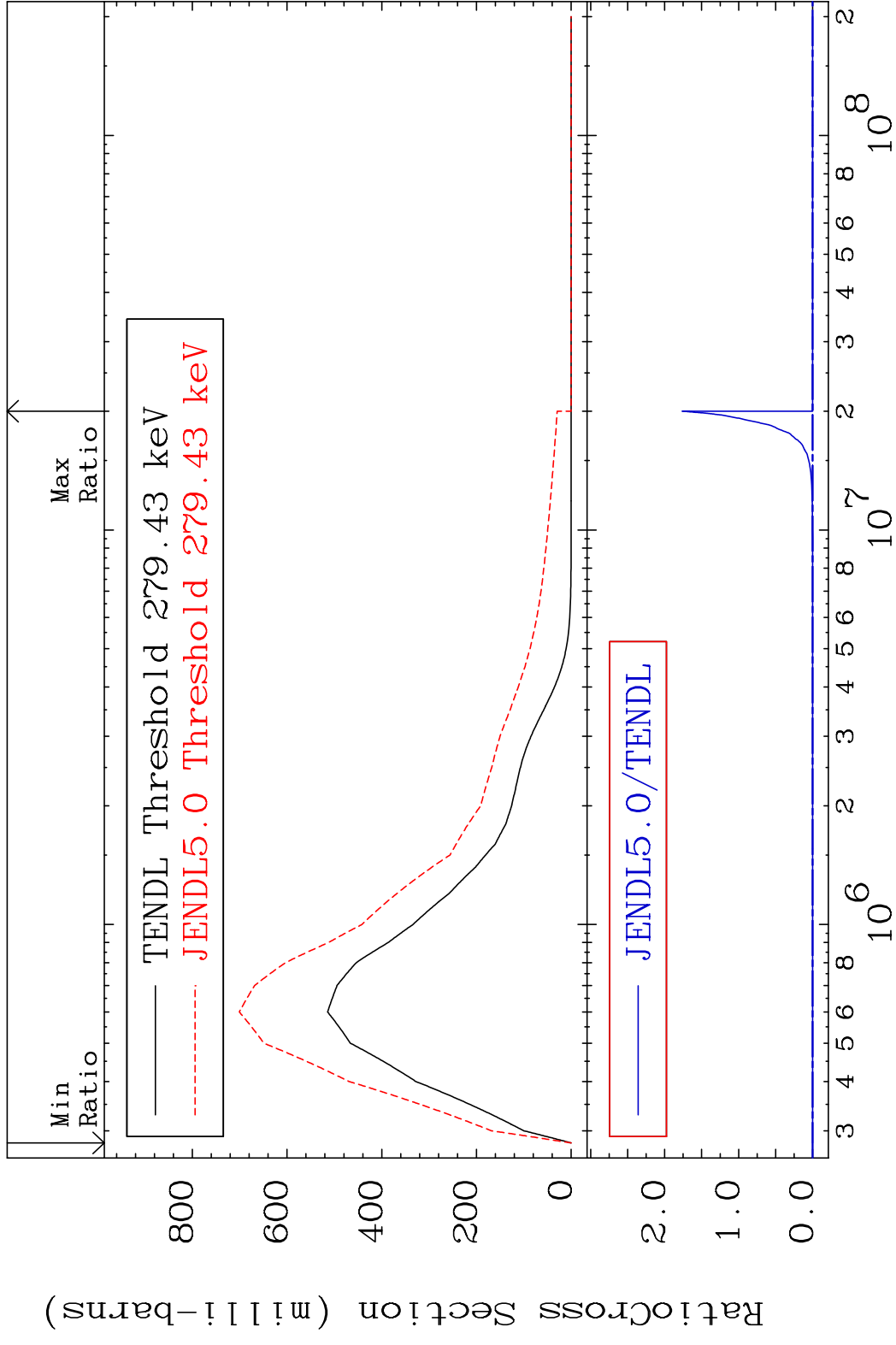


8 8 Incident Energy (eV) 35-Br-81

MAT 3531 (n, n') d 35-Br-81
 Cross Section -100.0 To 25.52 %

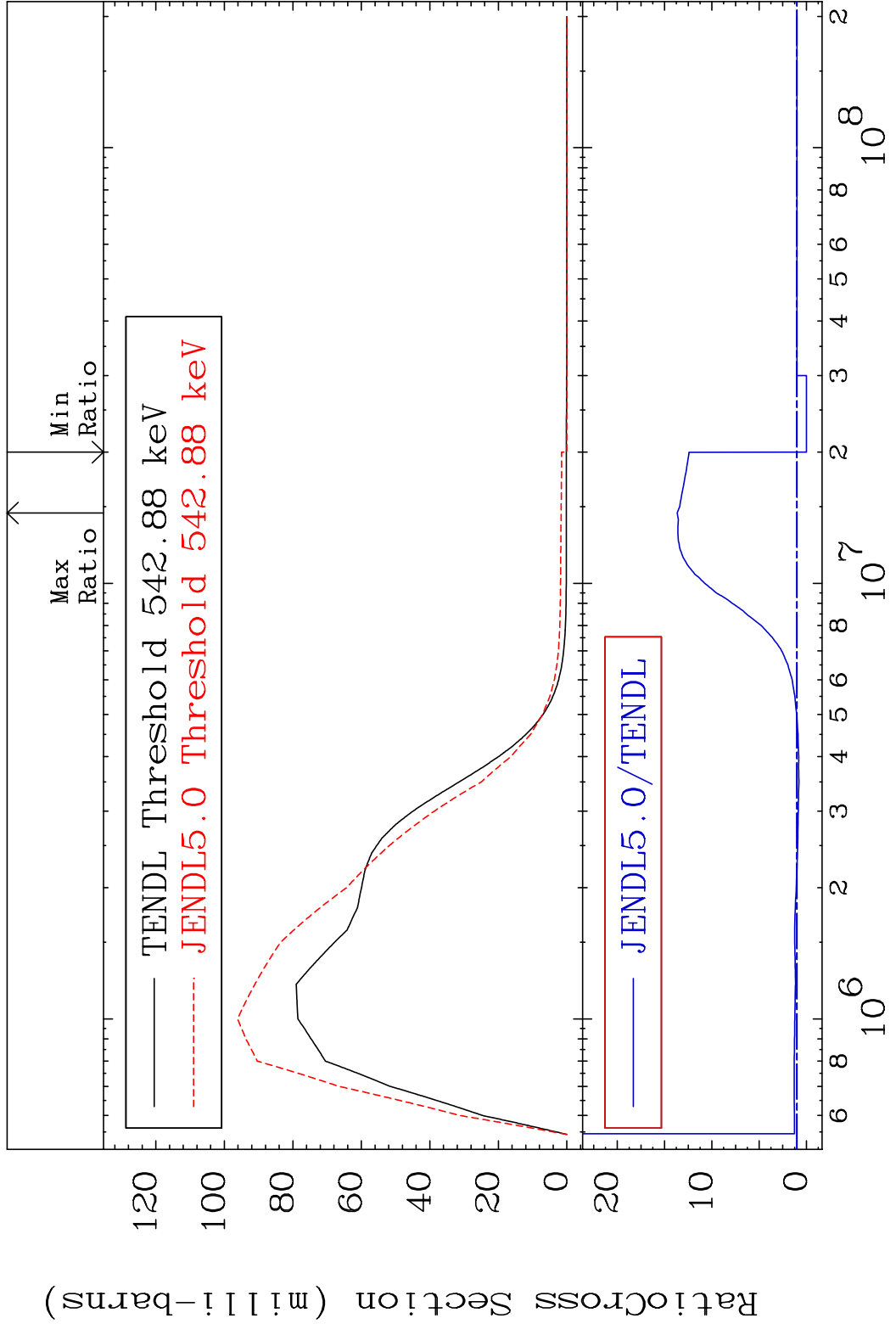


MAT 3531 MT= 51 (n, n') Level 35-Br-81
 Cross Section -100.0 To 9999. %

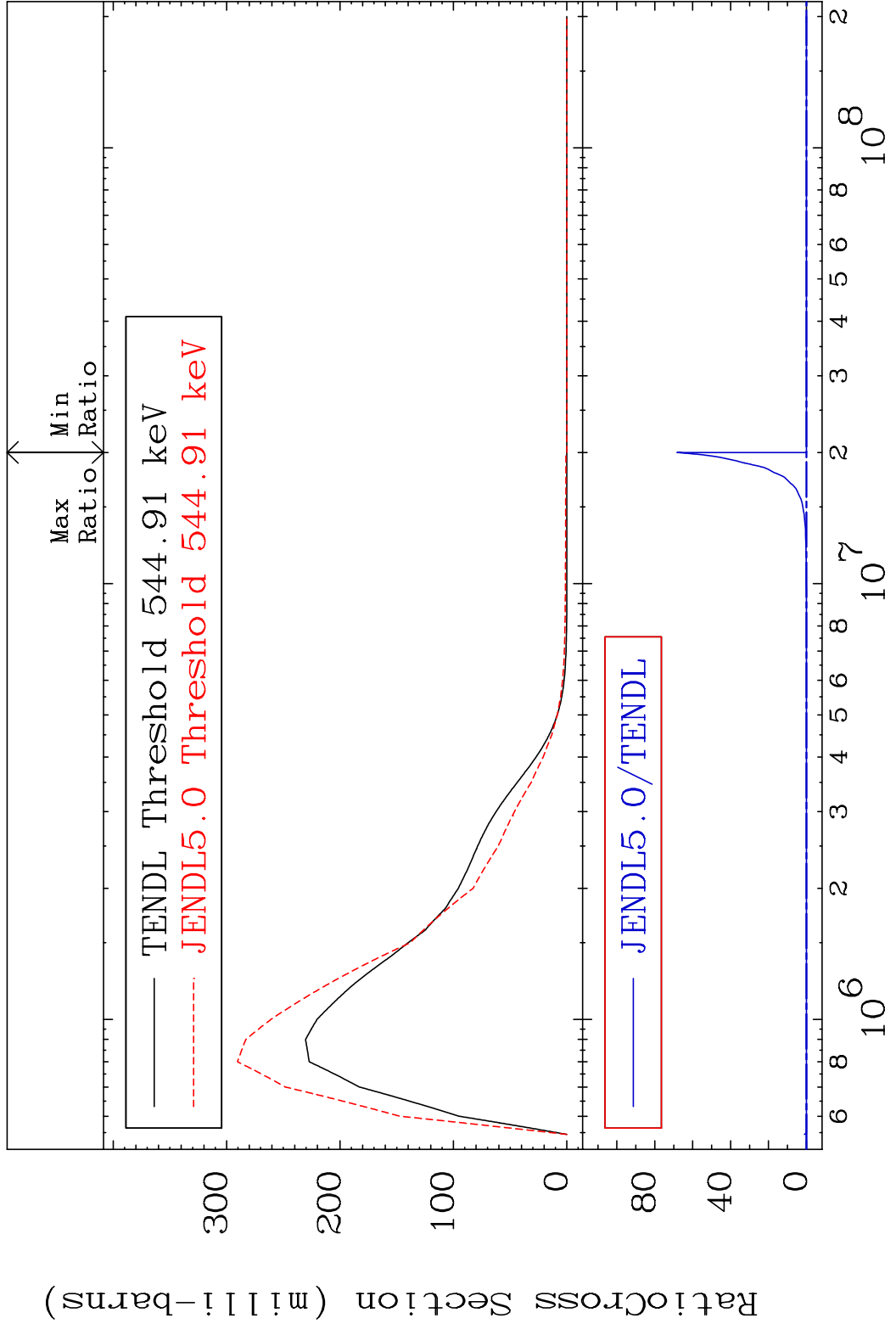


10 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 52 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1267. %

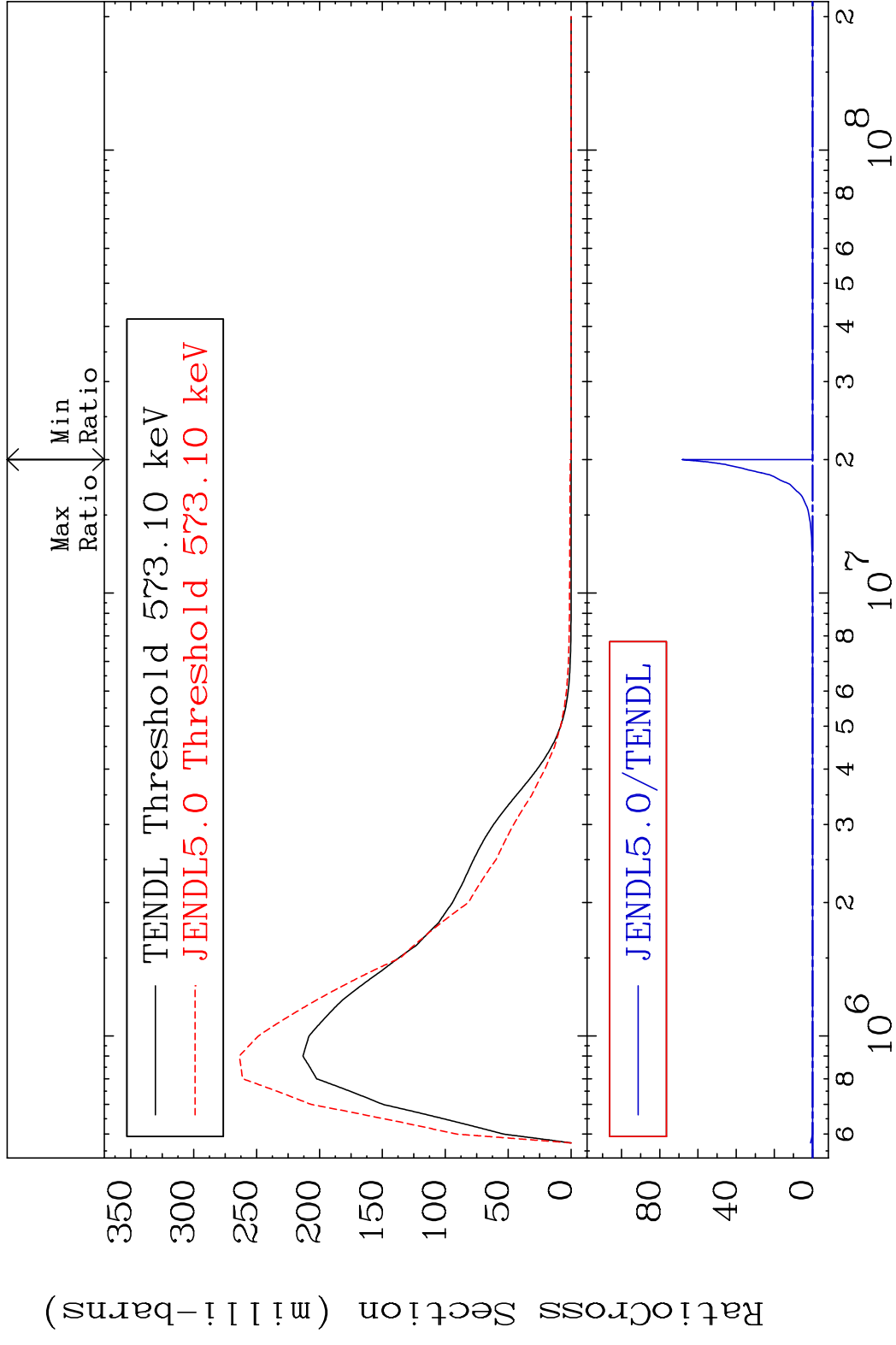


MAT 3531 MT= 53 (n, n') Level 35-Br-81
 Cross Section -100.0 To 9999. %

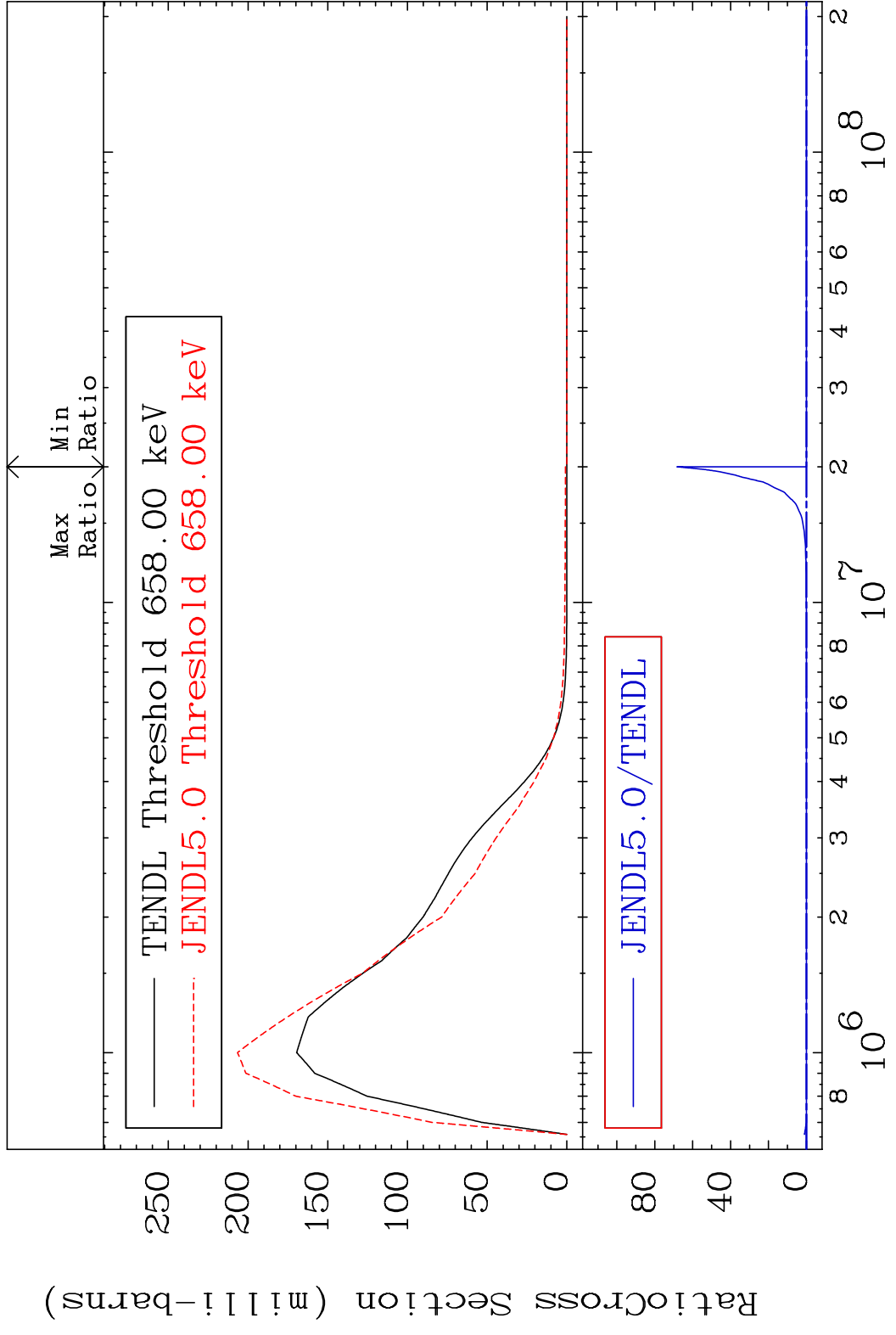


12 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 54 (n, n') Level 35-Br-81
 Cross Section -100.0 To 9999. %

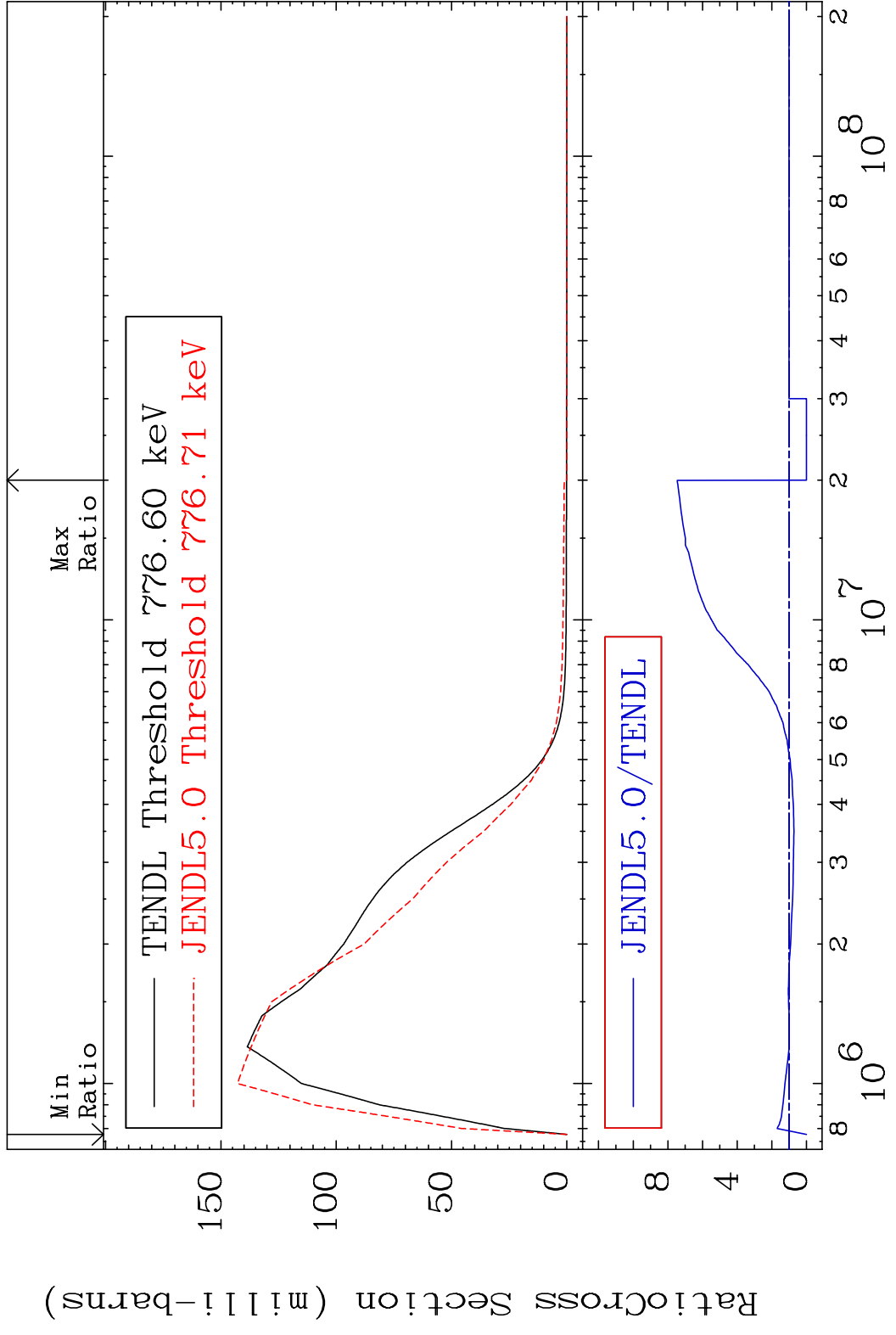


MAT 3531 MT= 55 (n, n') Level 35-Br-81
 Cross Section -100.0 To 9999. %



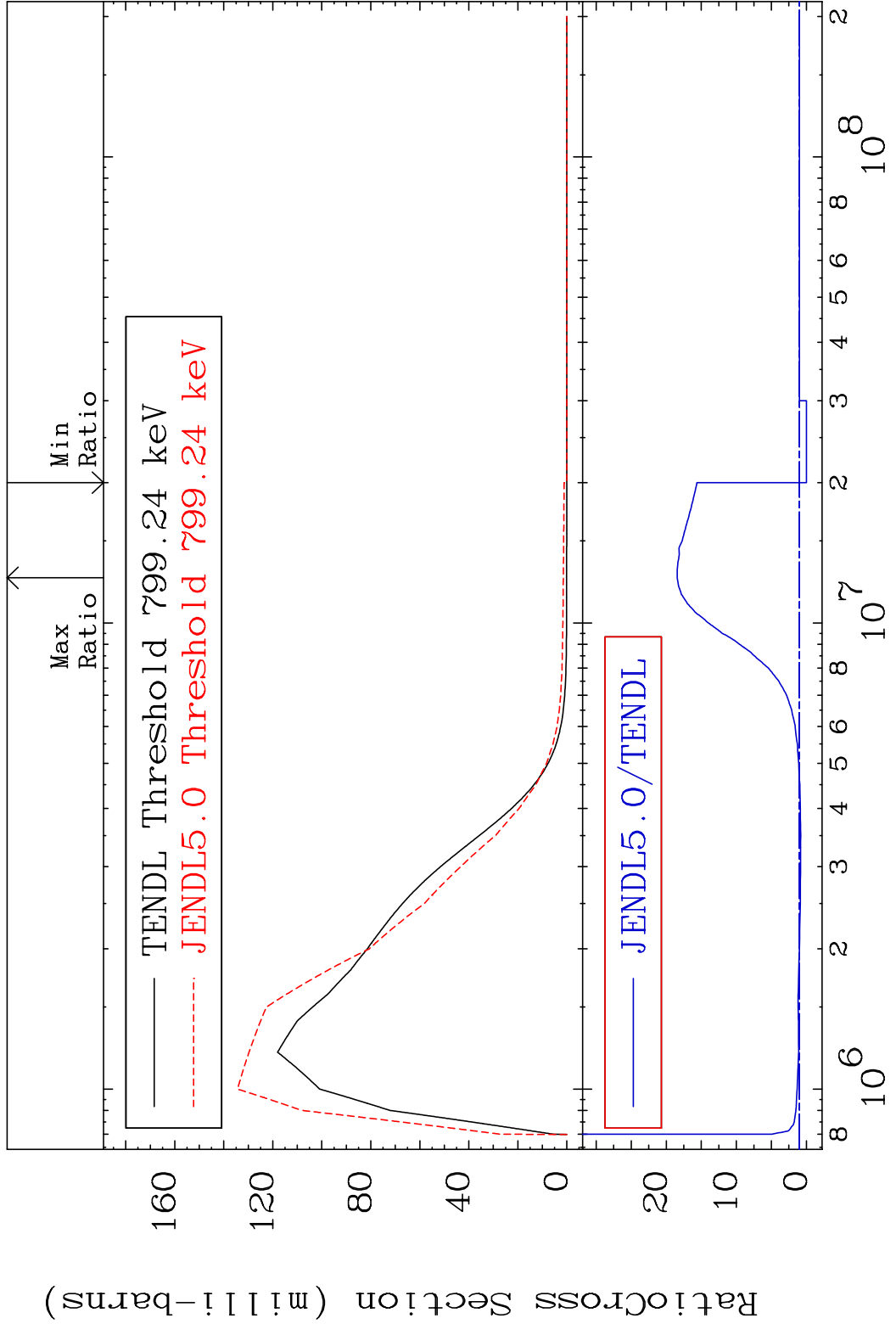
14 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 56 (n, n') Level 35-Br-81
 Cross Section -100.0 To 646.1 %



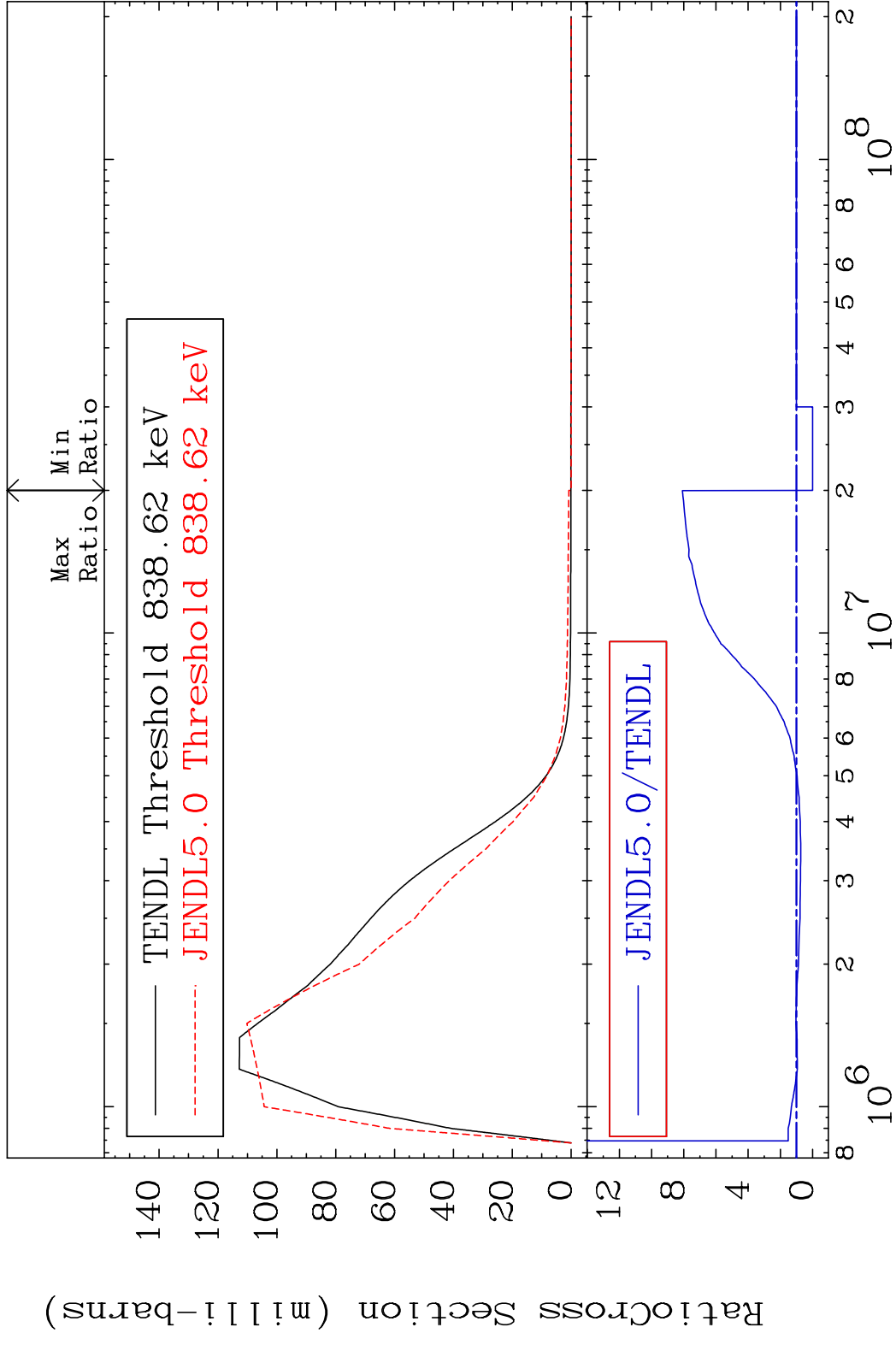
15 35-Br-81

MAT 3531 MT= 57 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1744. %

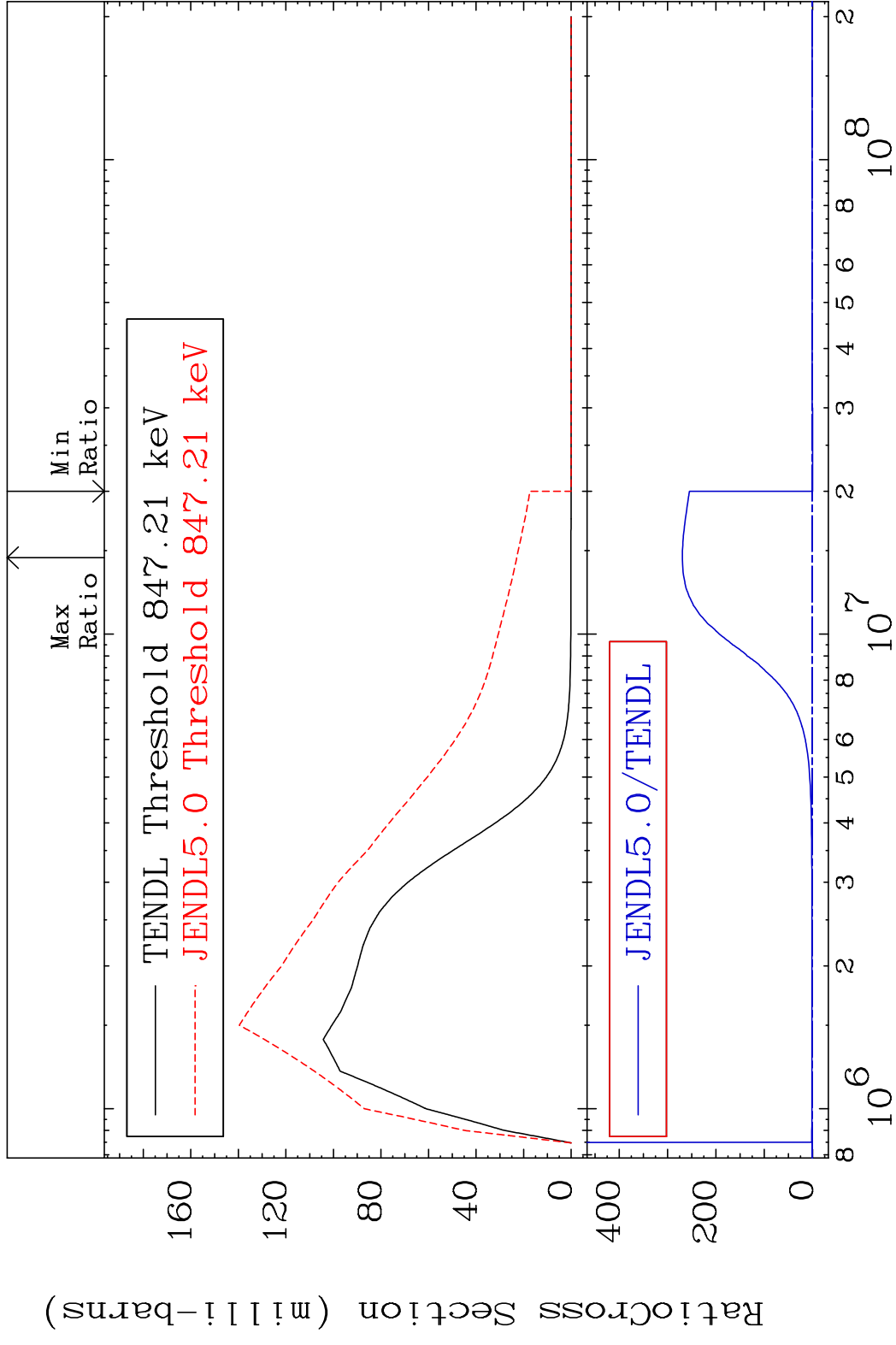


16 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 58 (n, n') Level 35-Br-81
 Cross Section -100.0 To 708.8 %

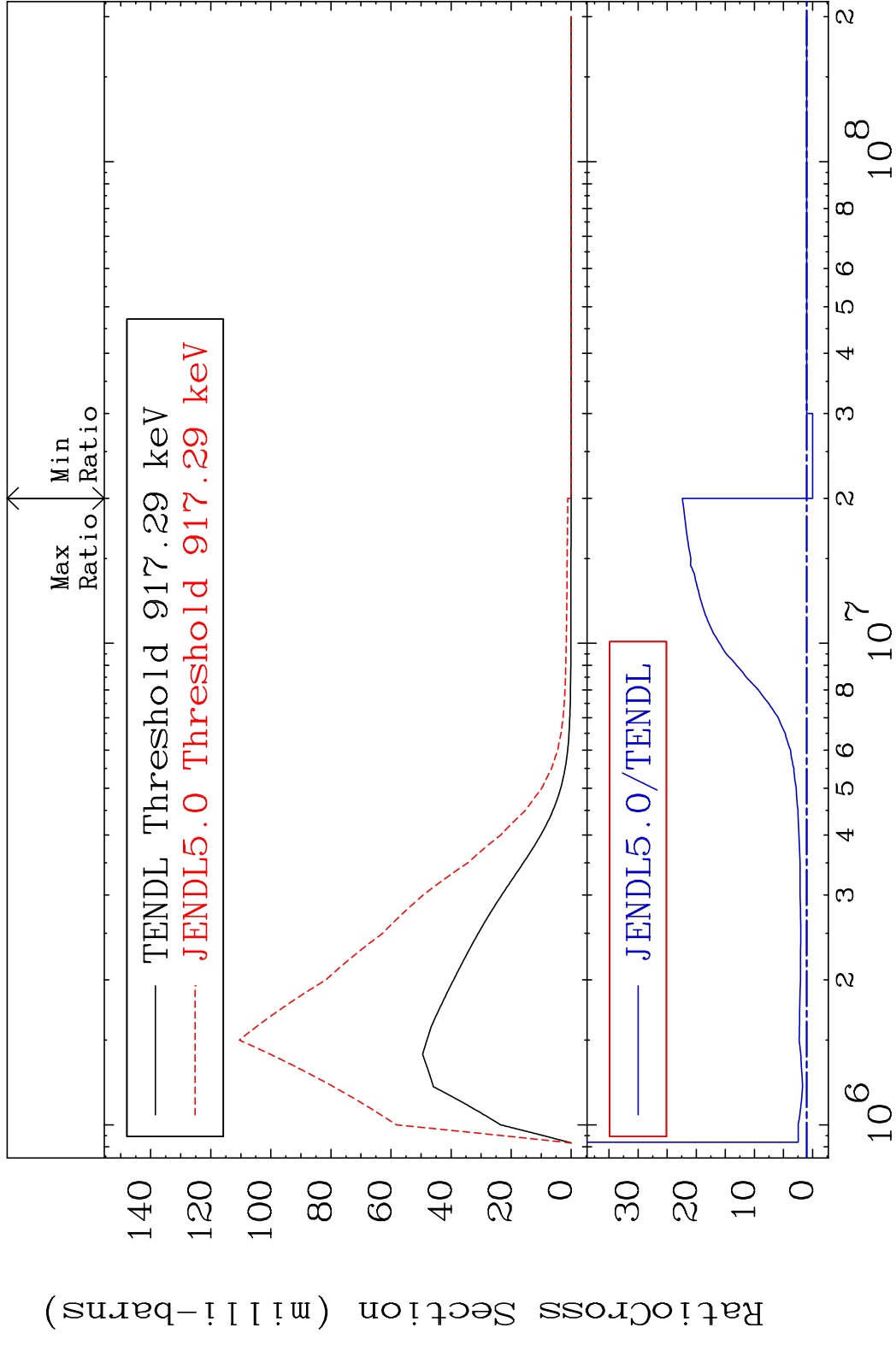


MAT 3531 MT= 59 (n, n') Level 35-Br-81
 Cross Section -100.0 To 9999. %

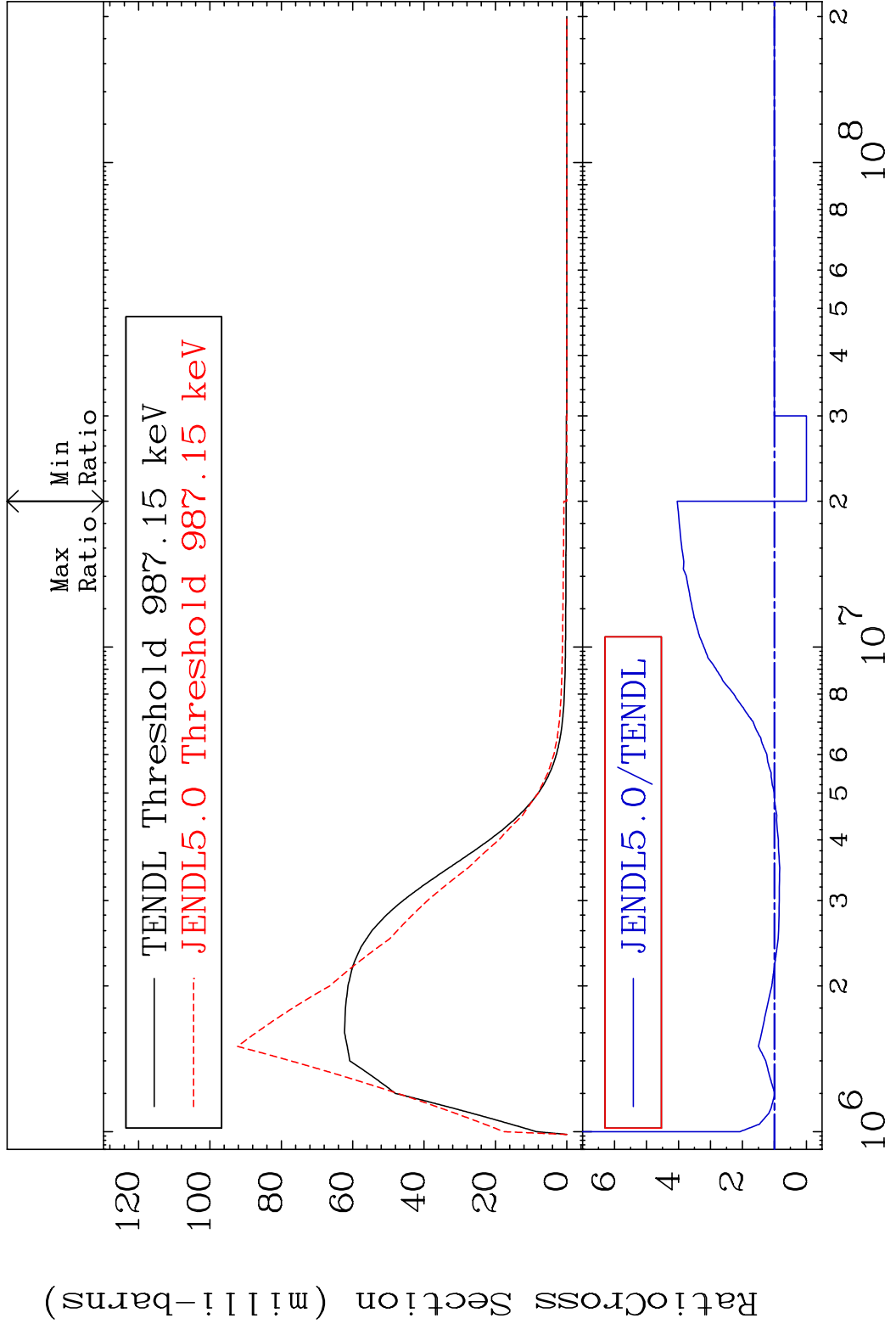


18 18 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 60 (n, n') Level 35-Br-81
 Cross Section -100.0 To 2139. %

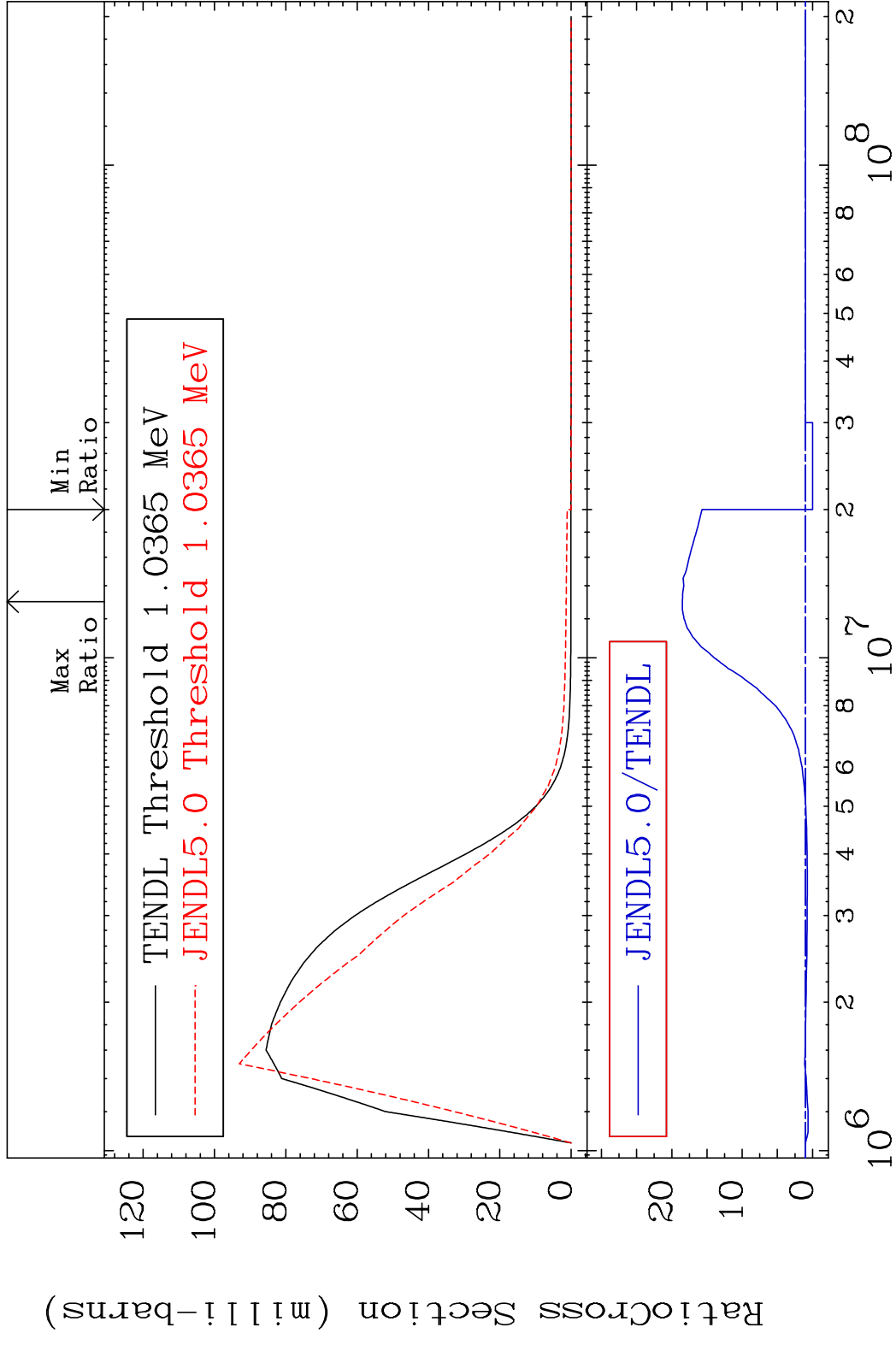


MAT 3531 MT= 61 (n, n') Level 35-Br-81
 Cross Section -100.0 To 304.1 %



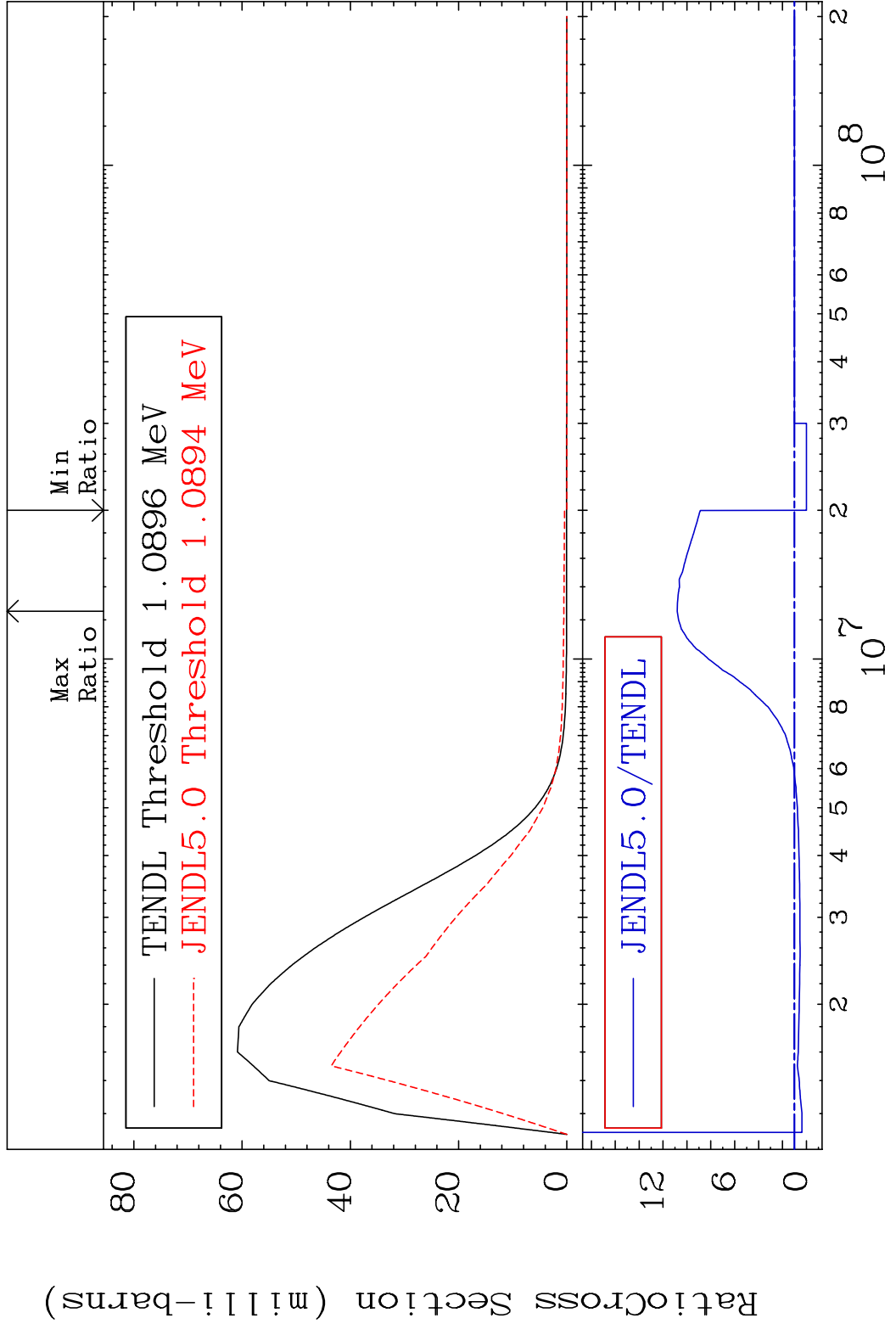
20 35-Br-81

MAT 3531 MT= 62 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1750. %

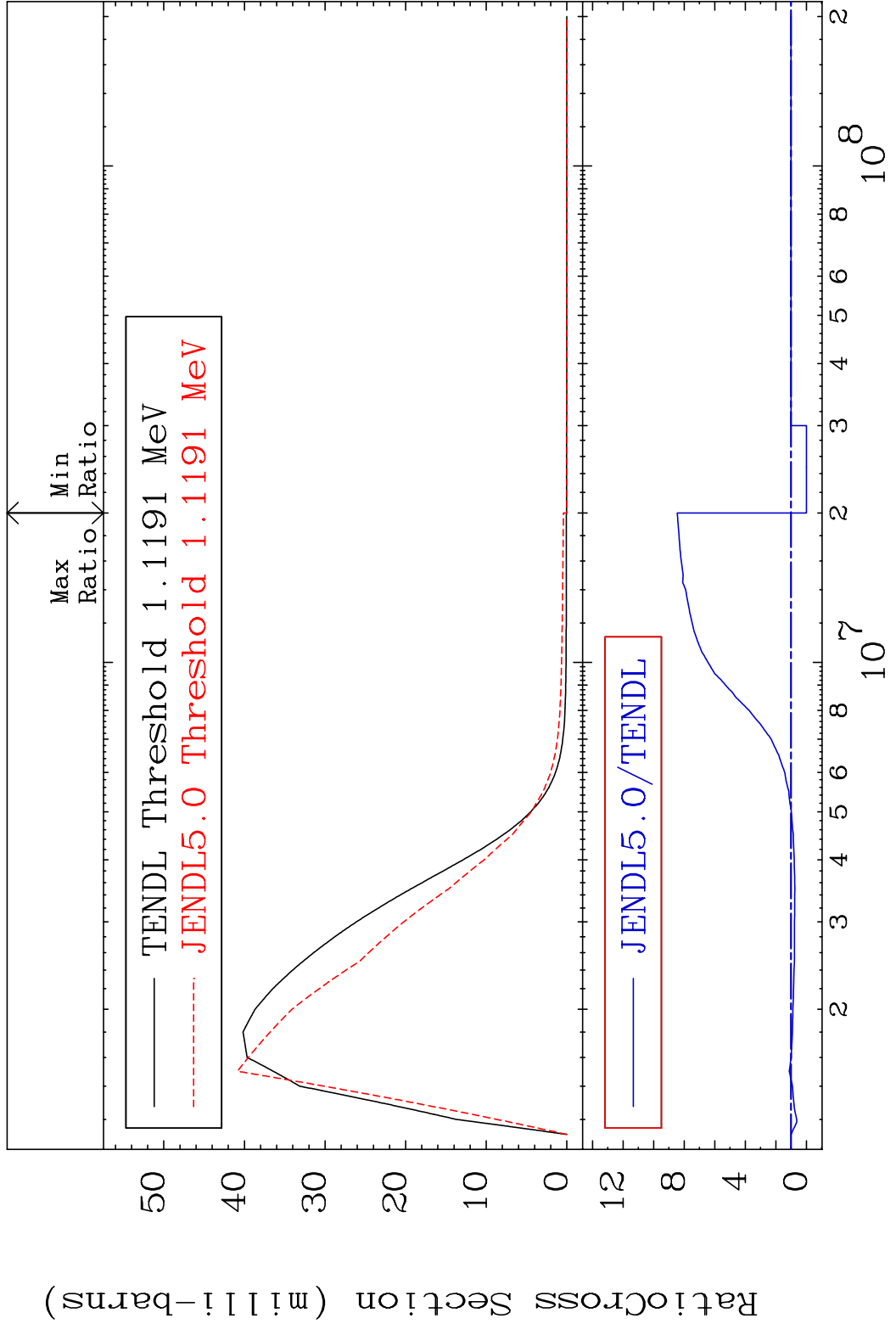


21 35-Br-81

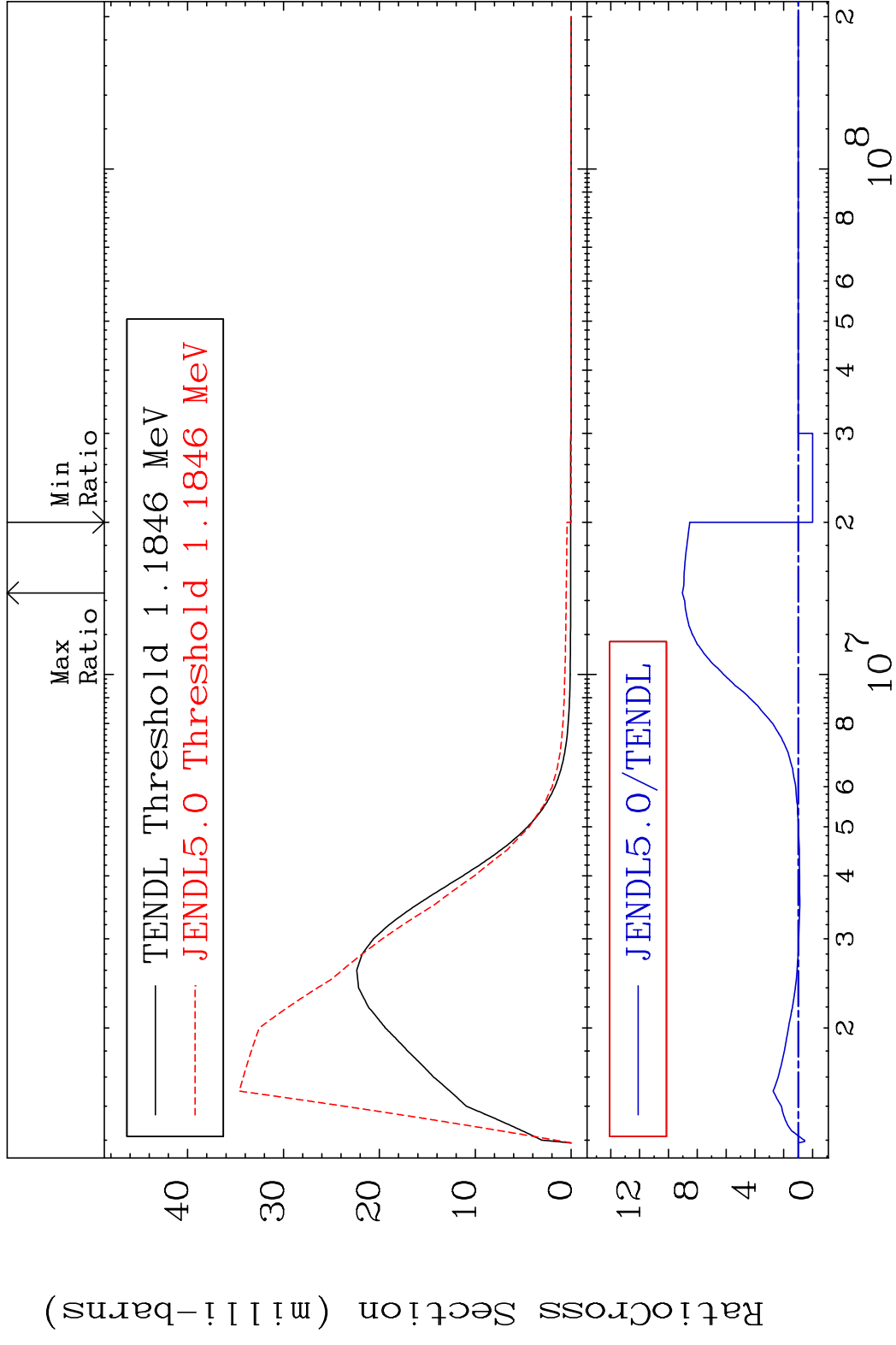
MAT 3531 MT= 63 (n, n') Level 35-Br-81
 Cross Section -100.0 To 981.6 %



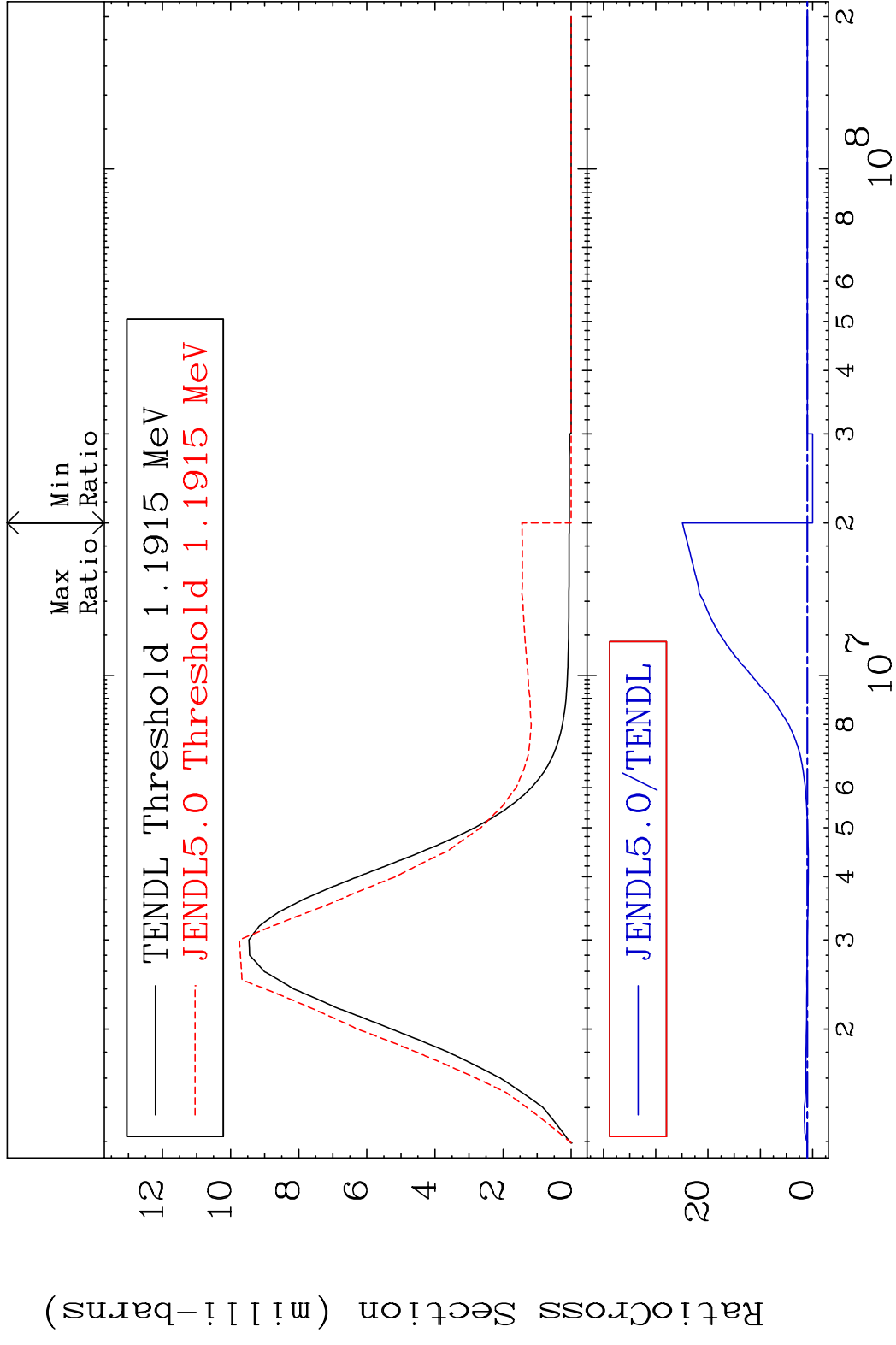
MAT 3531 MT= 64 (n, n') Level 35-Br-81
 Cross Section -100.0 To 745.7 %



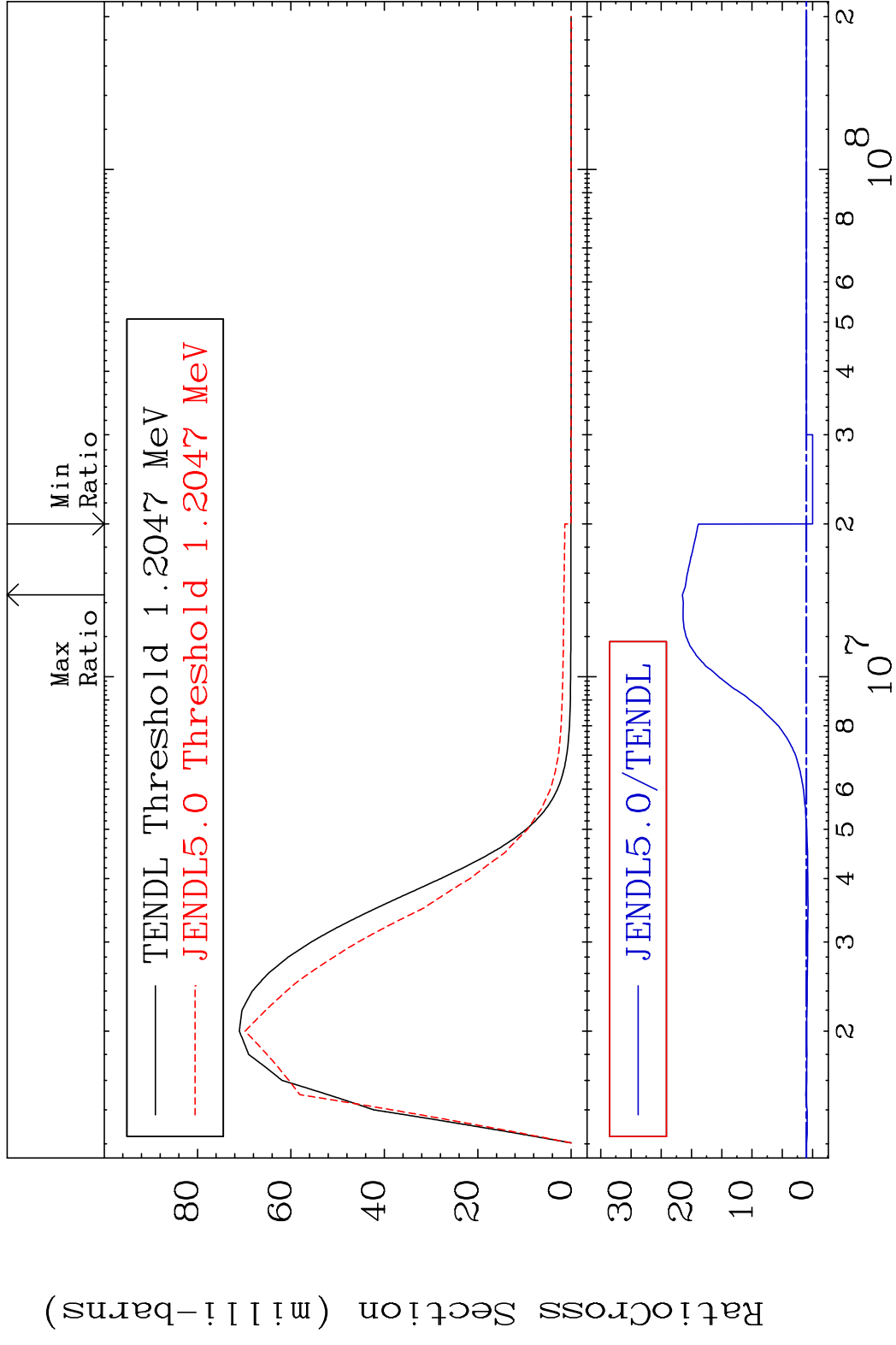
MAT 3531 MT= 65 (n, n') Level 35-Br-81
 Cross Section -100.0 To 803.3 %



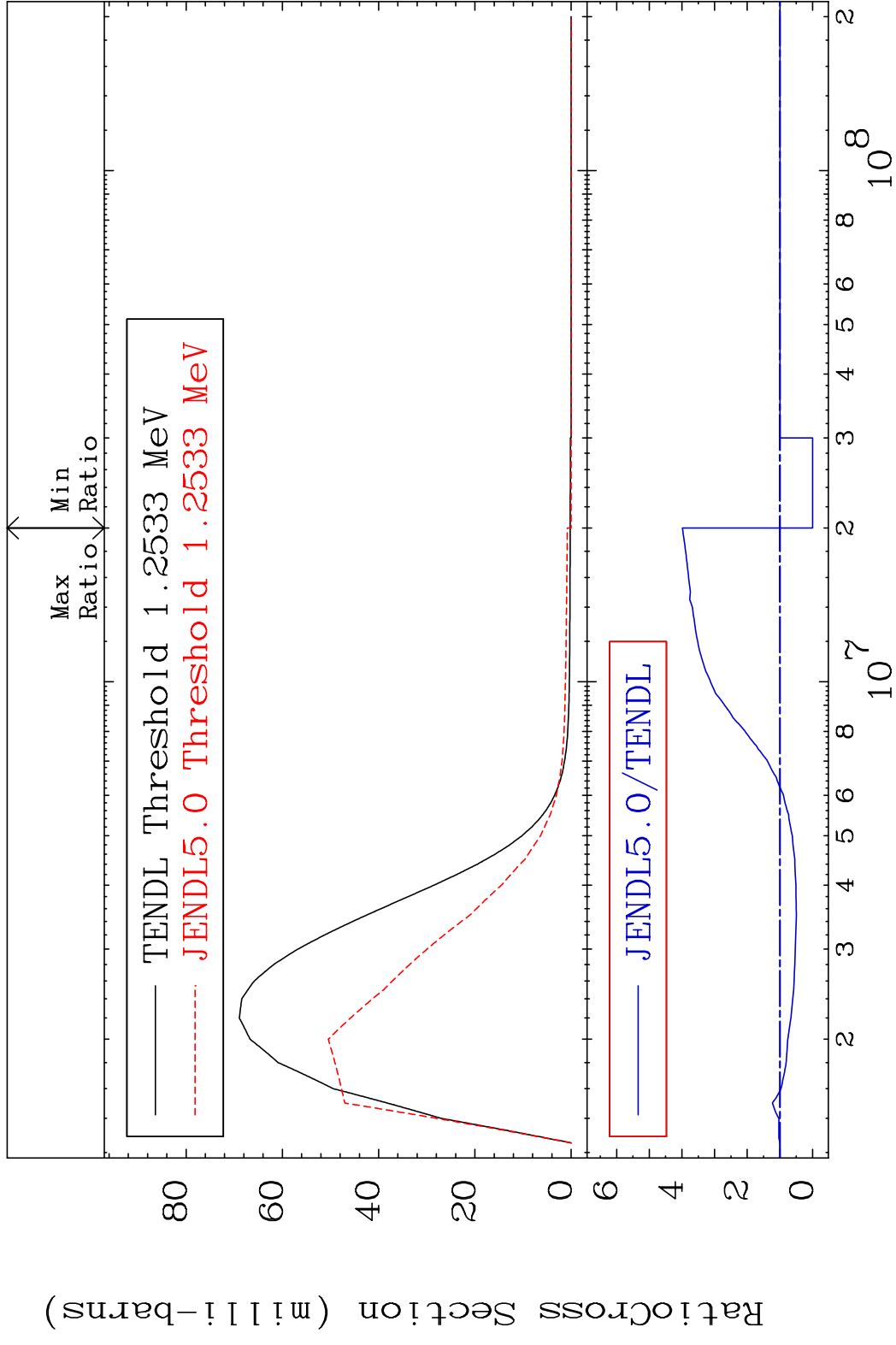
MAT 3531 MT= 66 (n, n') Level 35-Br-81
 Cross Section -100.0 To 2391. %



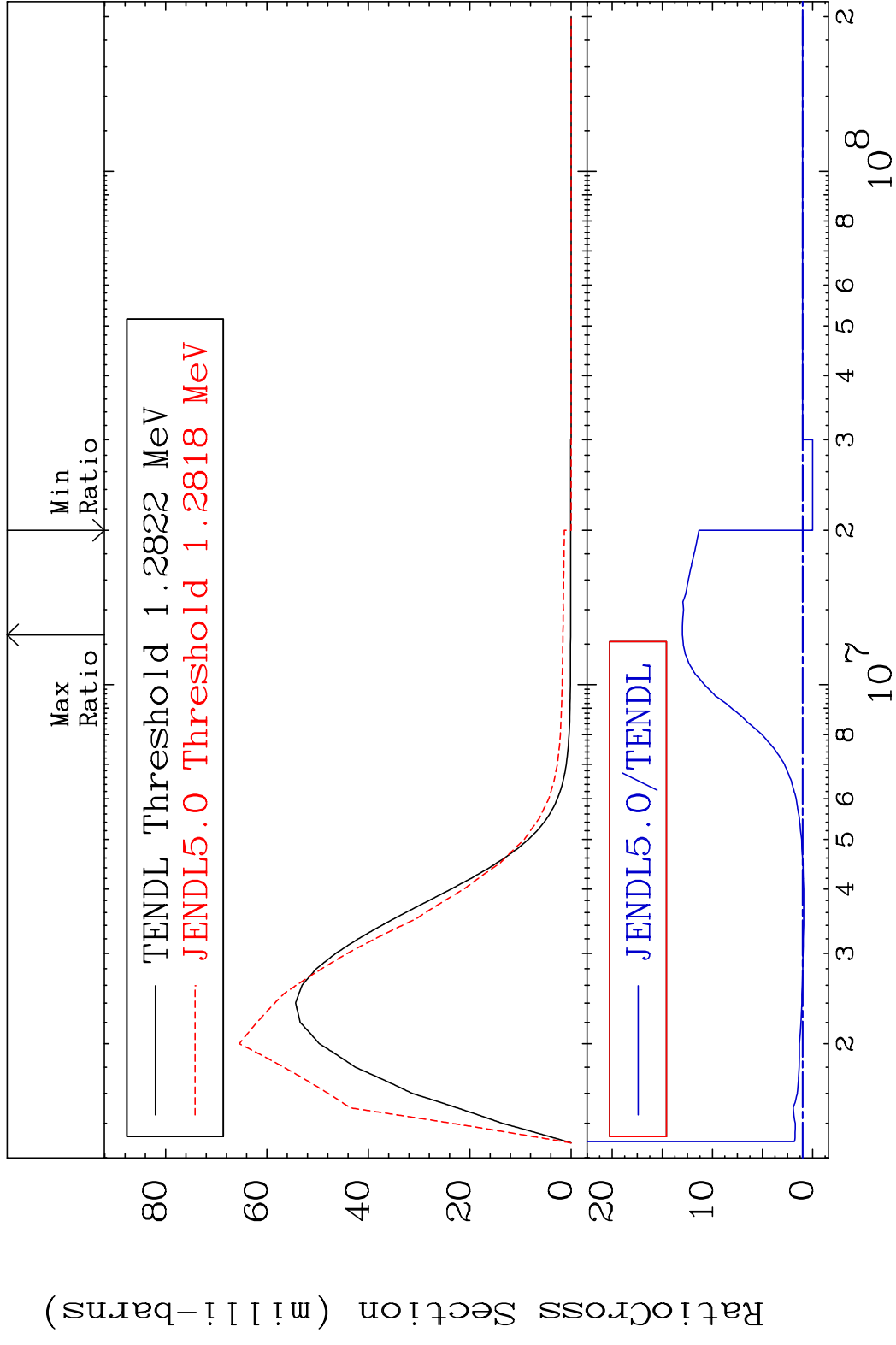
MAT 3531 MT= 67 (n, n') Level 35-Br-81
 Cross Section -100.0 To 2051. %



MAT 3531 MT= 68 (n, n') Level 35-Br-81
 Cross Section -100.0 To 298.7 %

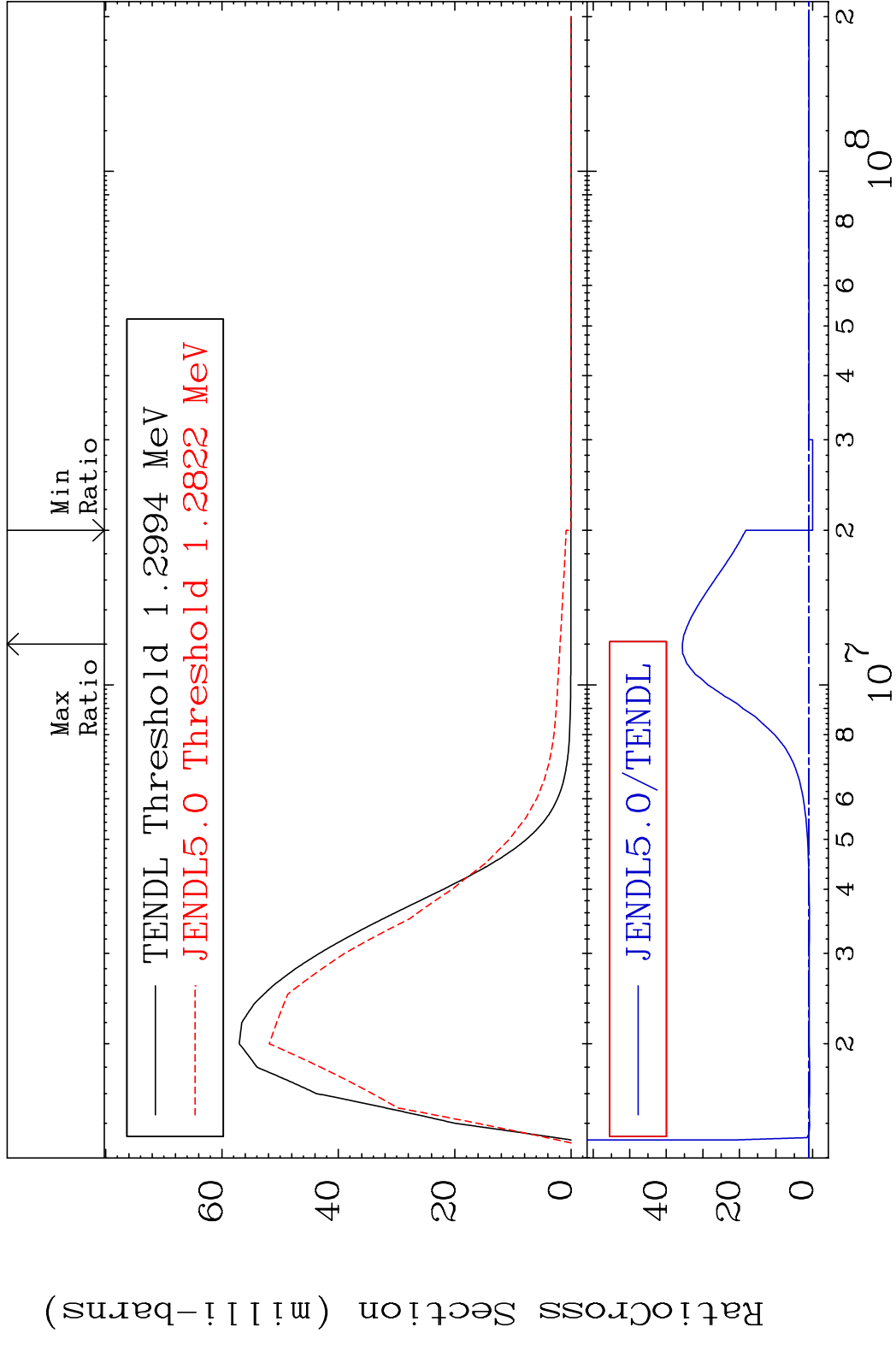


MAT 3531 MT= 69 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1200. %

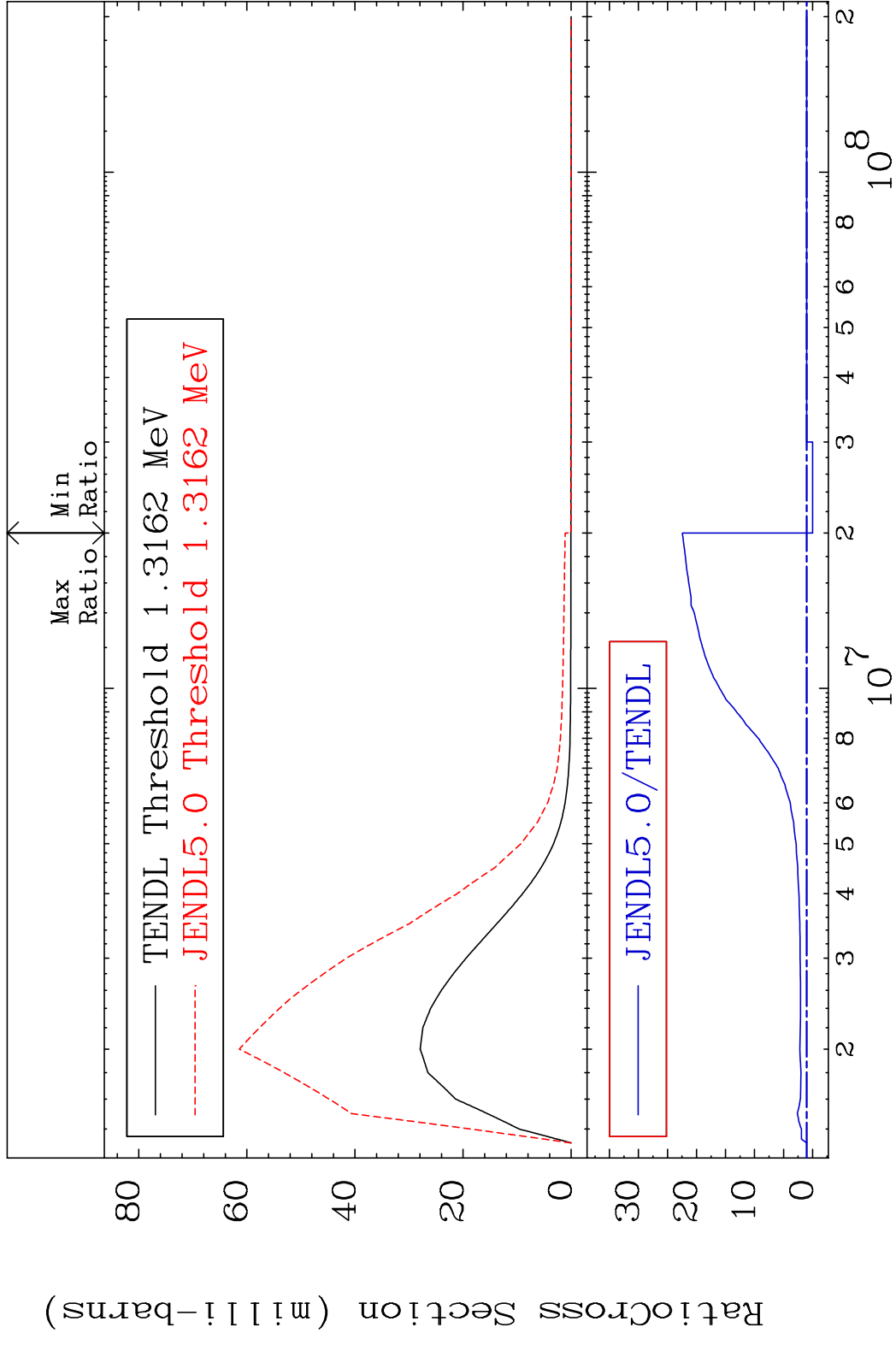


28 Incident Energy (eV) 35-Br-81

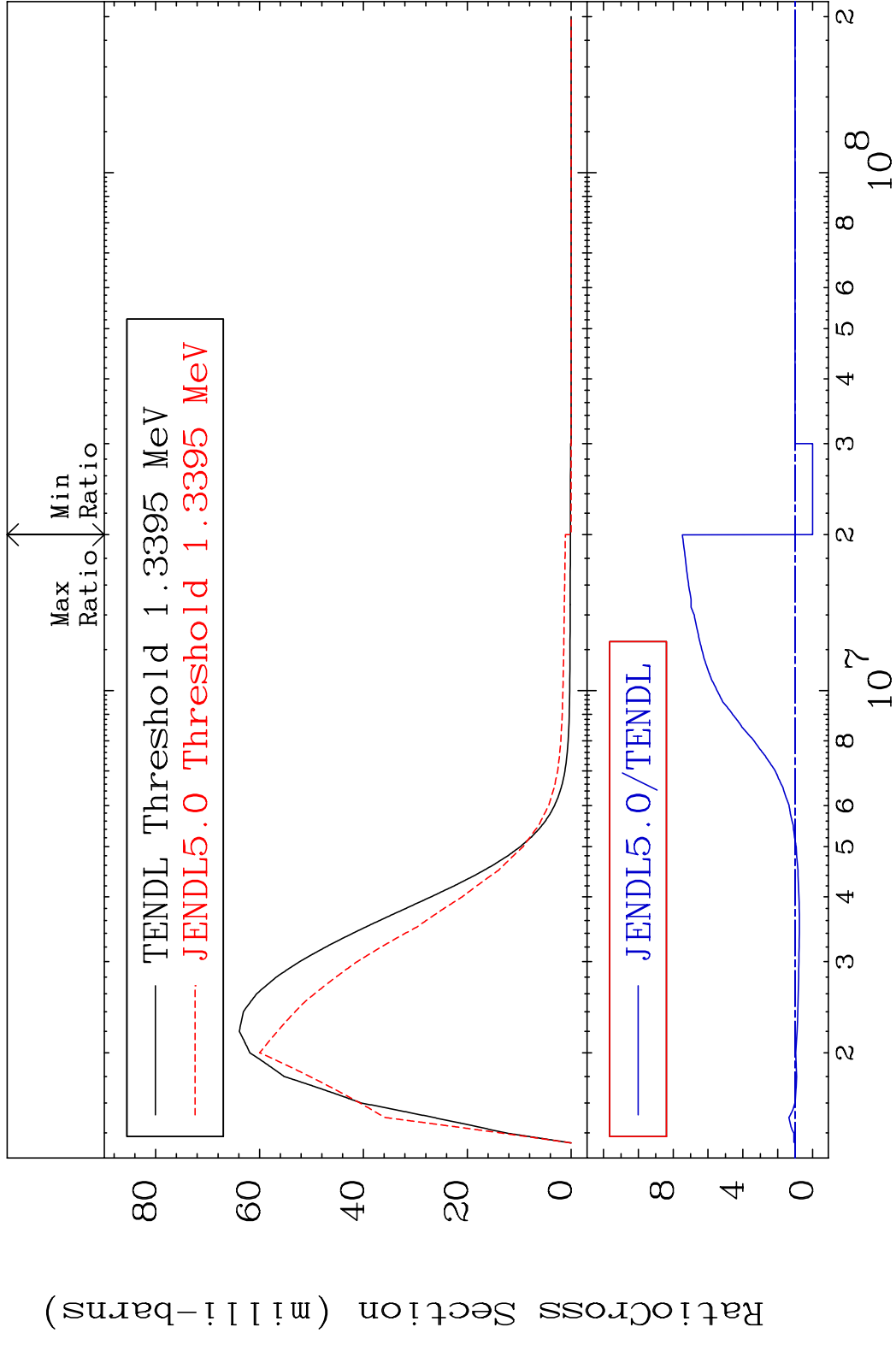
MAT 3531 MT= 70 (n, n') Level 35-Br-81
 Cross Section -100.0 To 3460. %



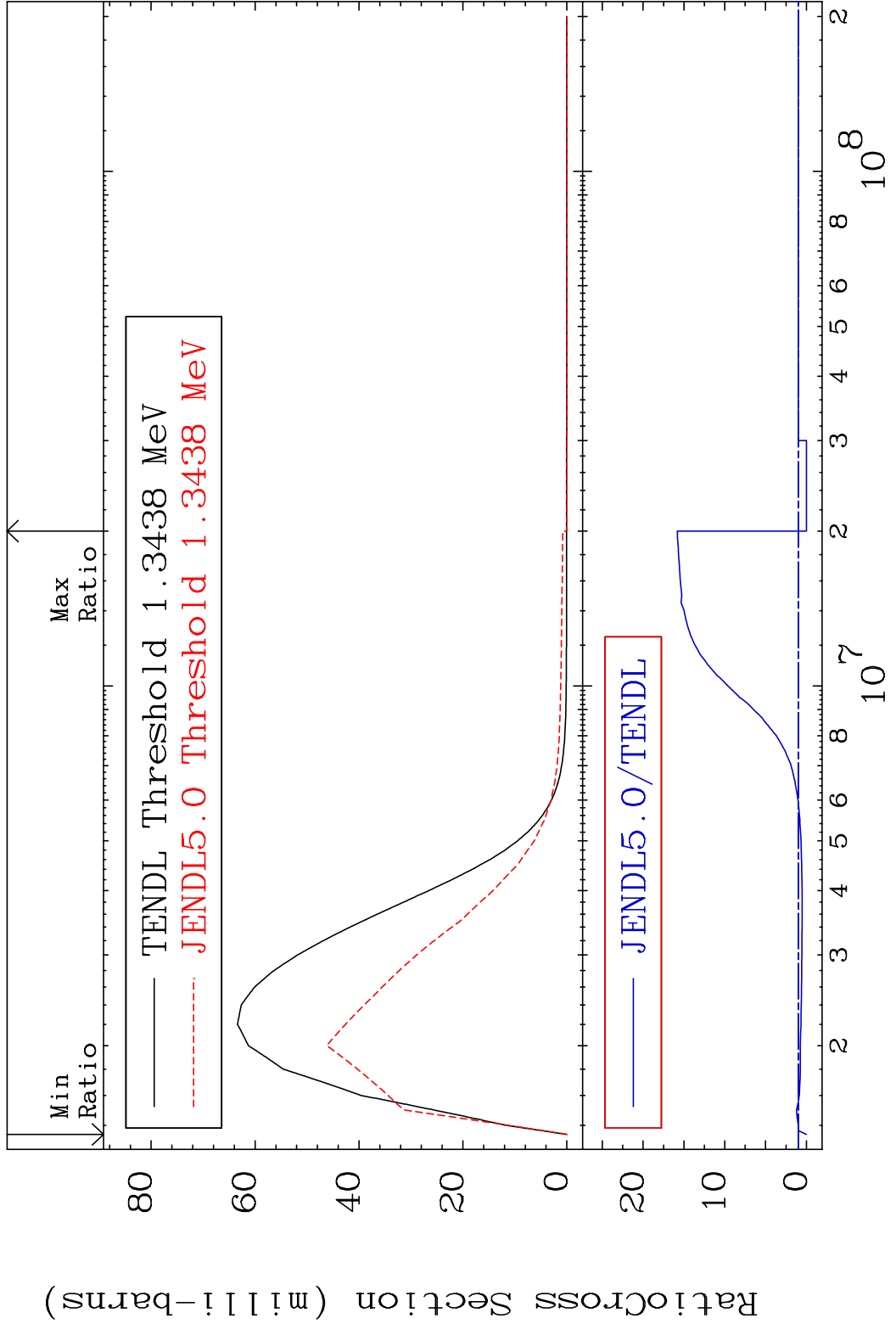
MAT 3531 MT= 71 (n, n') Level 35-Br-81
 Cross Section -100.0 To 2144. %



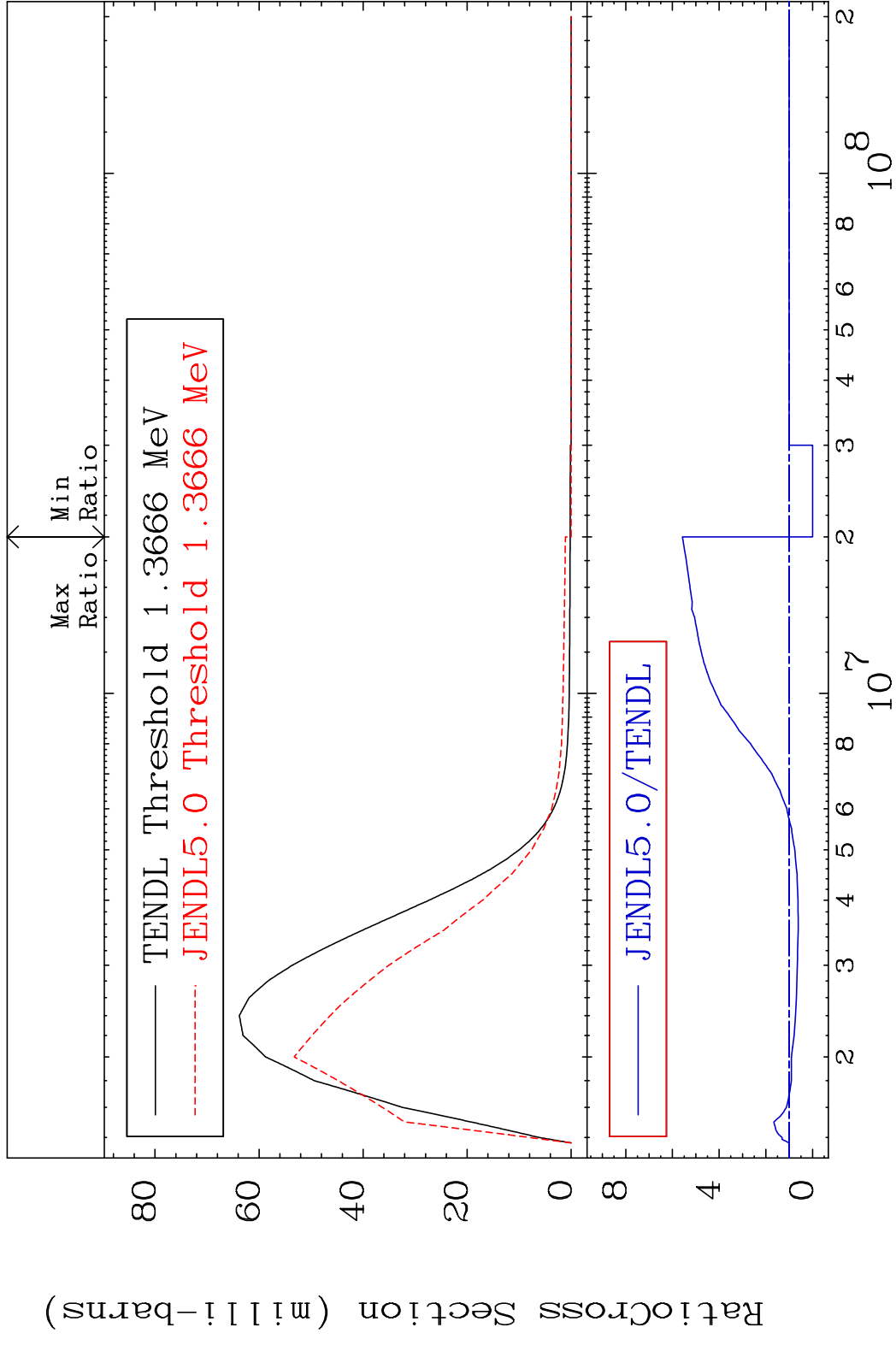
MAT 3531 MT= 72 (n, n') Level 35-Br-81
 Cross Section -100.0 To 647.4 %



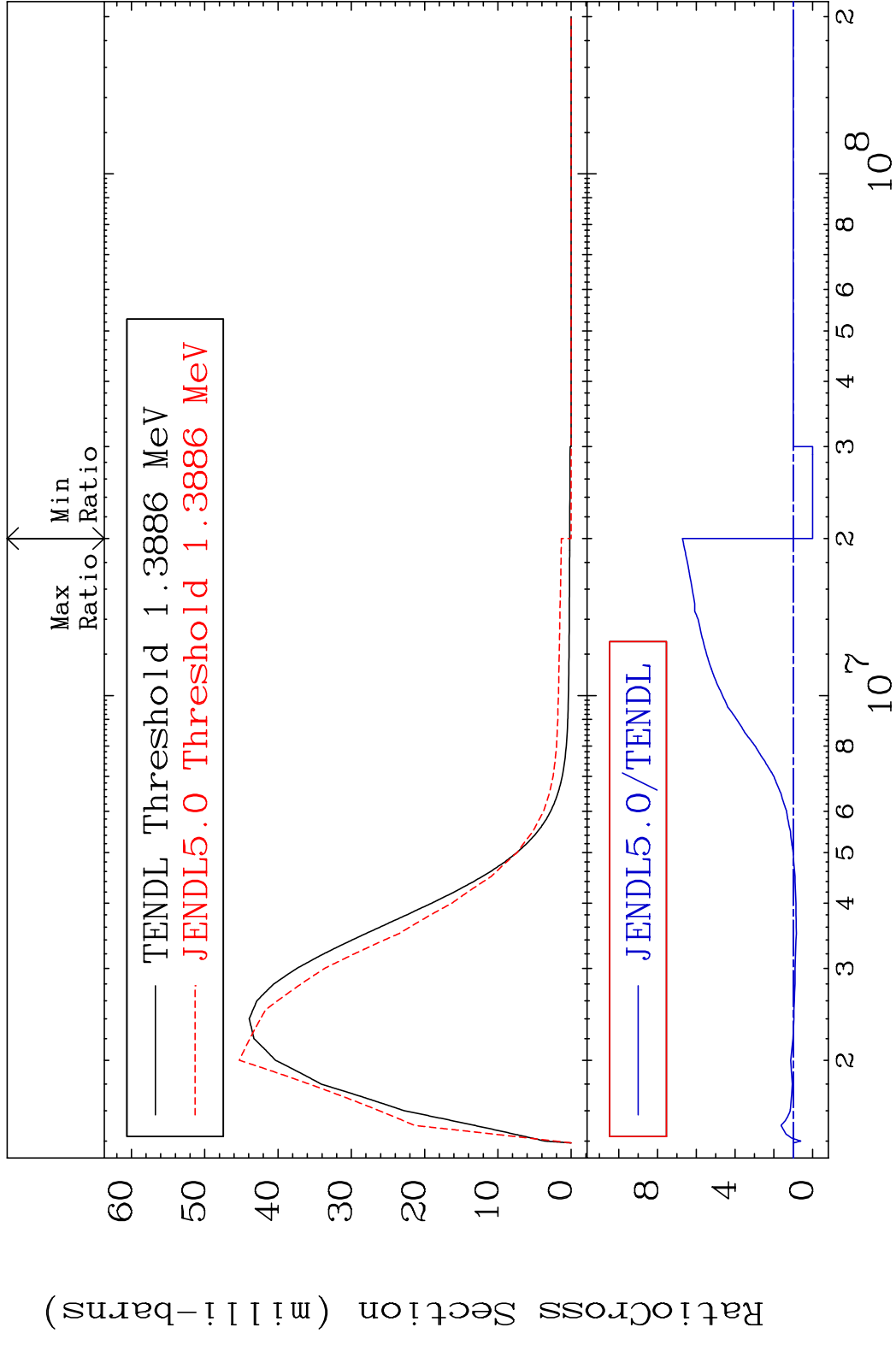
MAT 3531 MT= 73 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1483. %



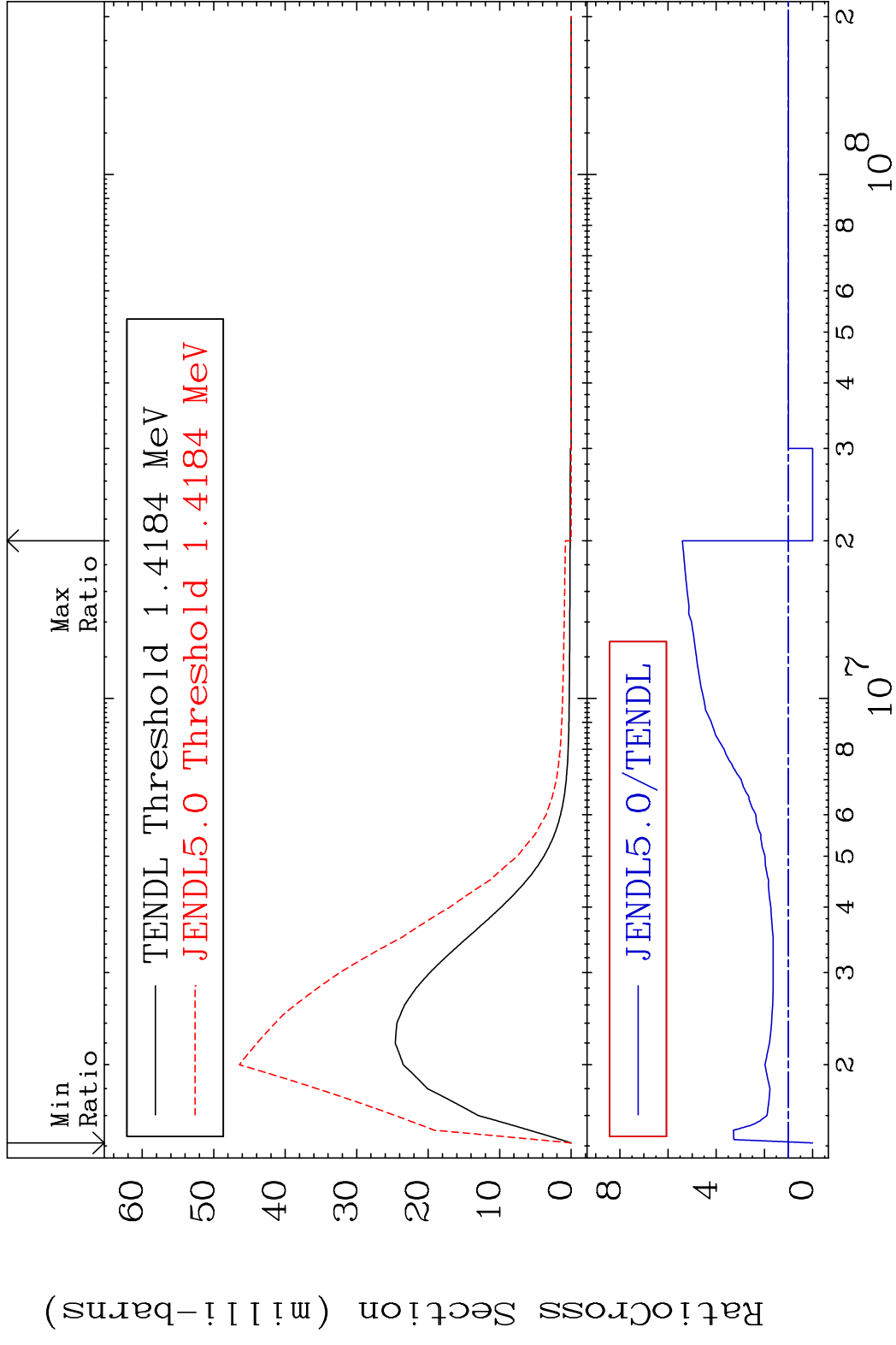
MAT 3531 MT= 74 (n, n') Level 35-Br-81
 Cross Section -100.0 To 457.6 %



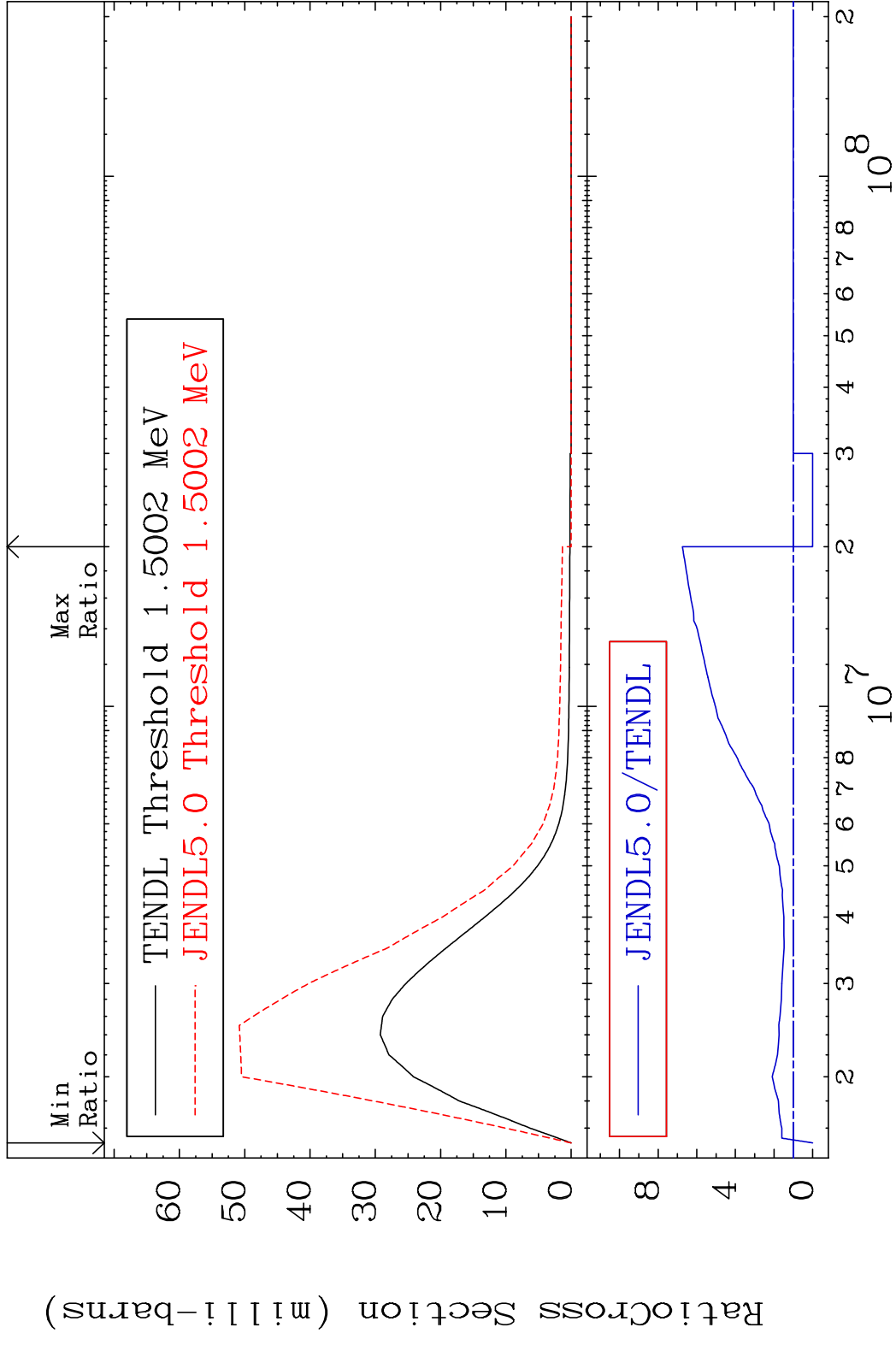
MAT 3531 MT= 75 (n, n') Level 35-Br-81
 Cross Section -100.0 To 571.8 %



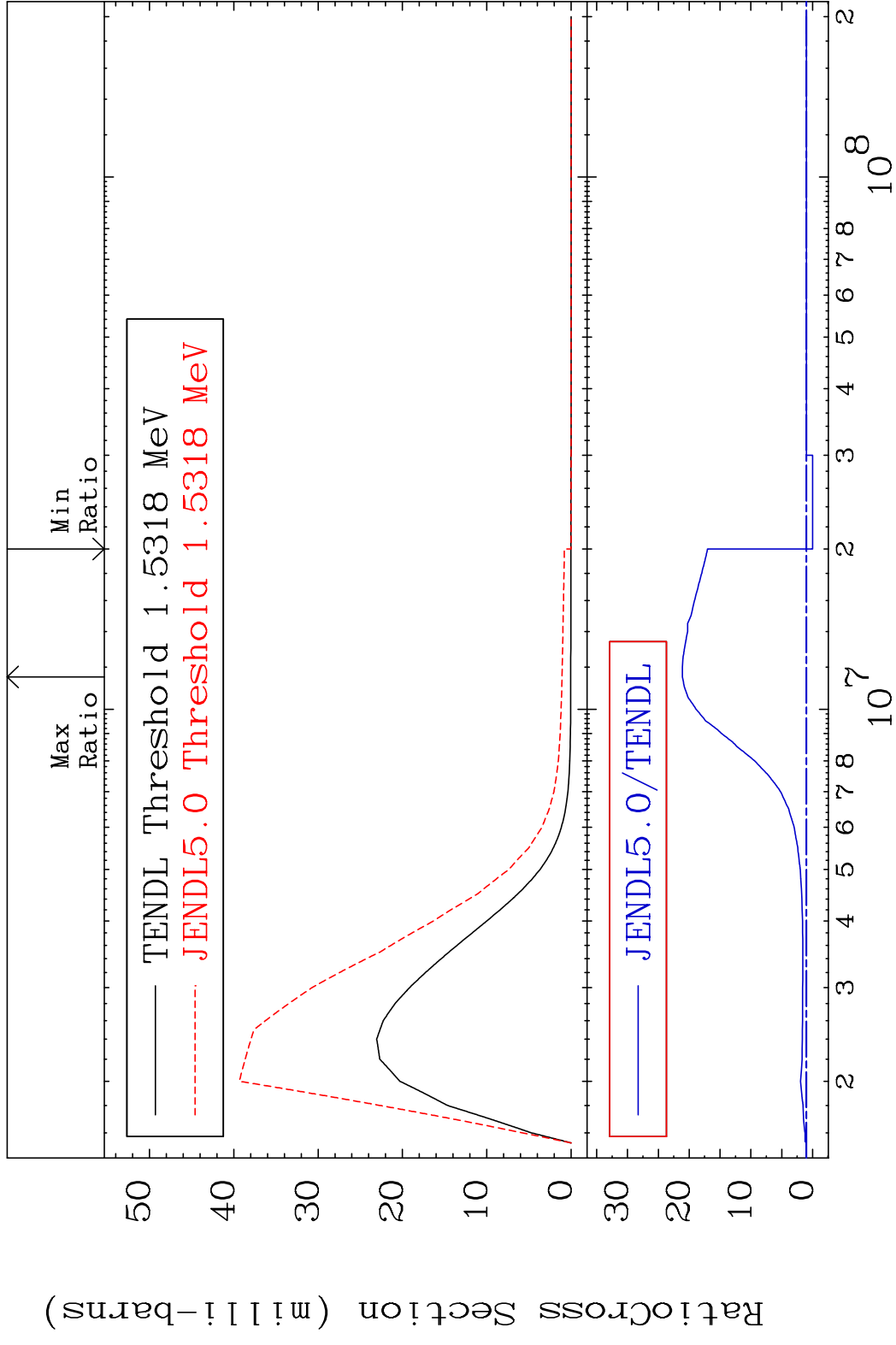
MAT 3531 MT= 76 (n, n') Level 35-Br-81
 Cross Section -100.0 To 440.6 %



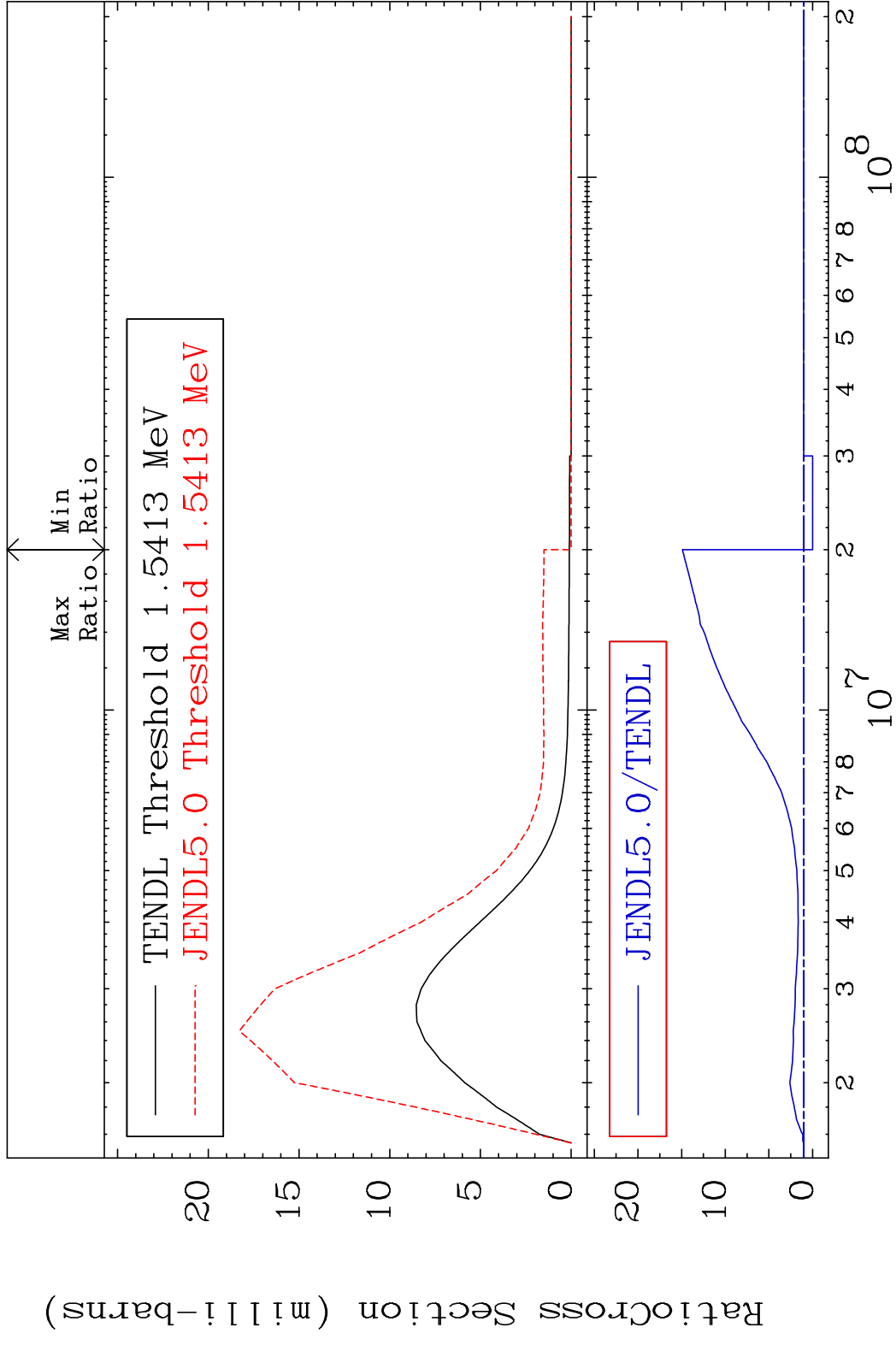
MAT 3531 MT= 77 (n, n') Level 35-Br-81
 Cross Section -100.0 To 574.5 %



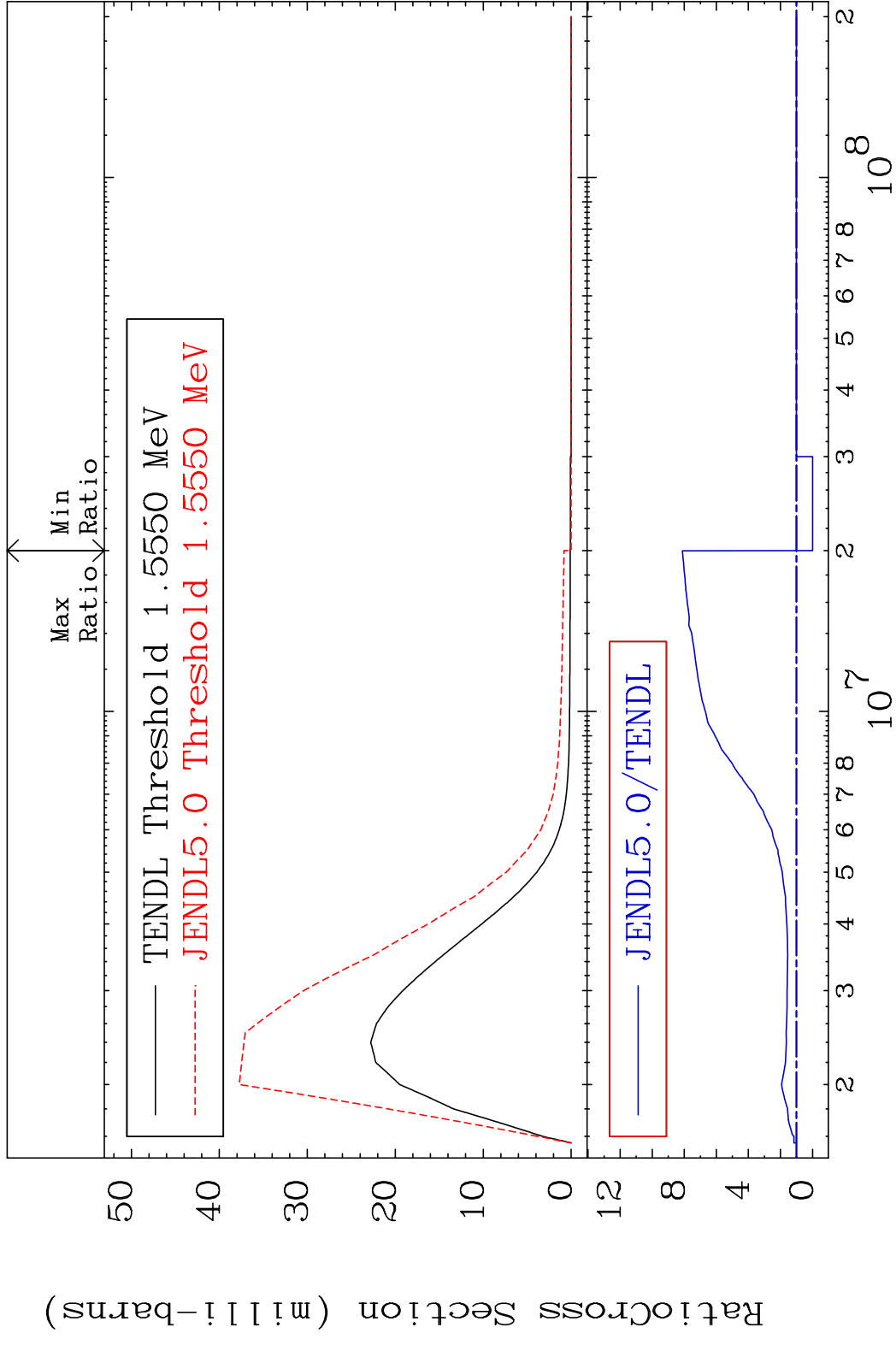
MAT 3531 MT= 78 (n, n') Level 35-Br-81
 Cross Section -100.0 To 2011. %



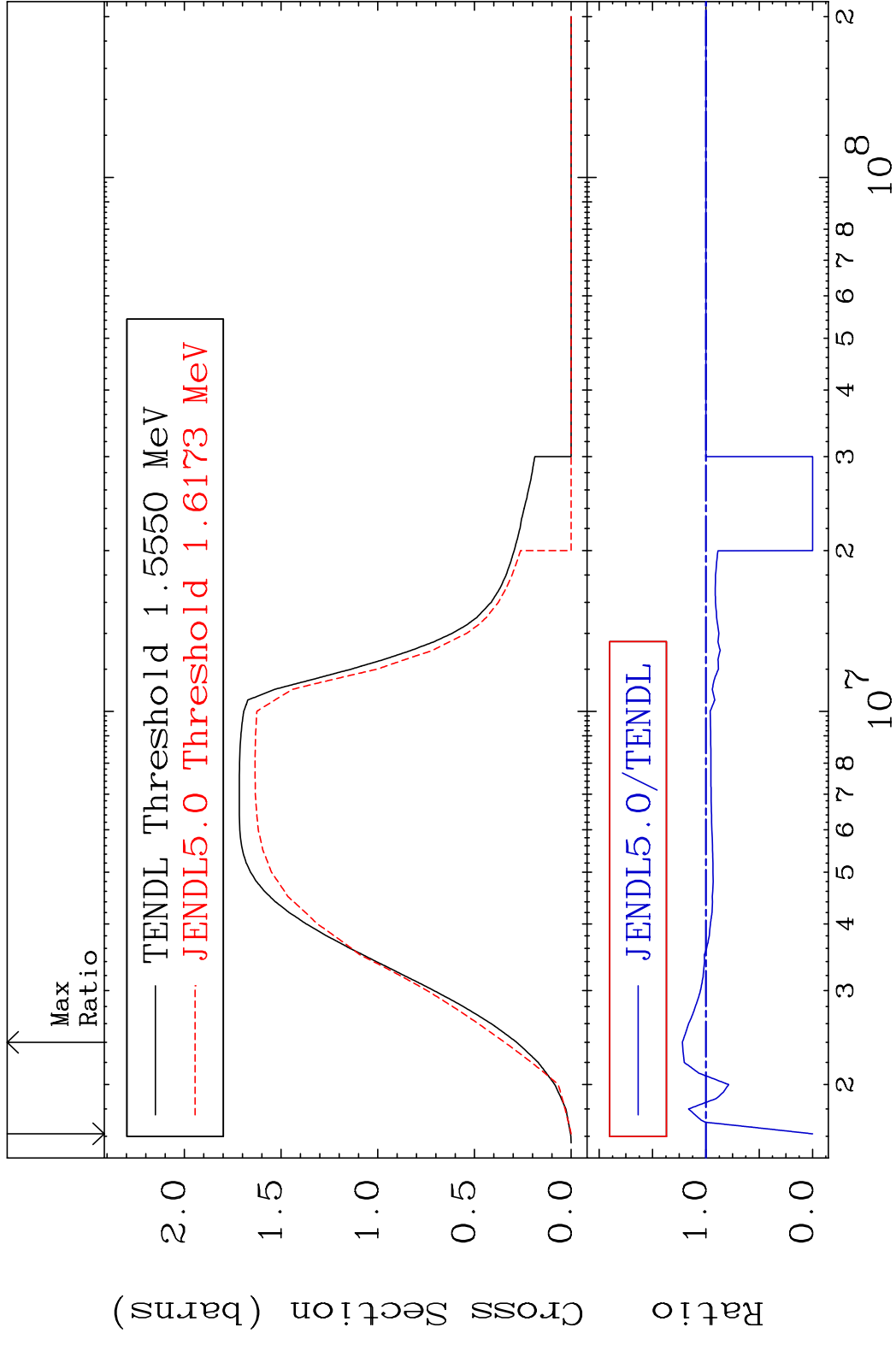
MAT 3531 MT= 79 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1391. %



MAT 3531 MT= 80 (n, n') Level 35-Br-81
 Cross Section -100.0 To 711.9 %



MAT 3531 (n, n') Continuum 35-Br-81
 Cross Section -100.0 To 22.07 %



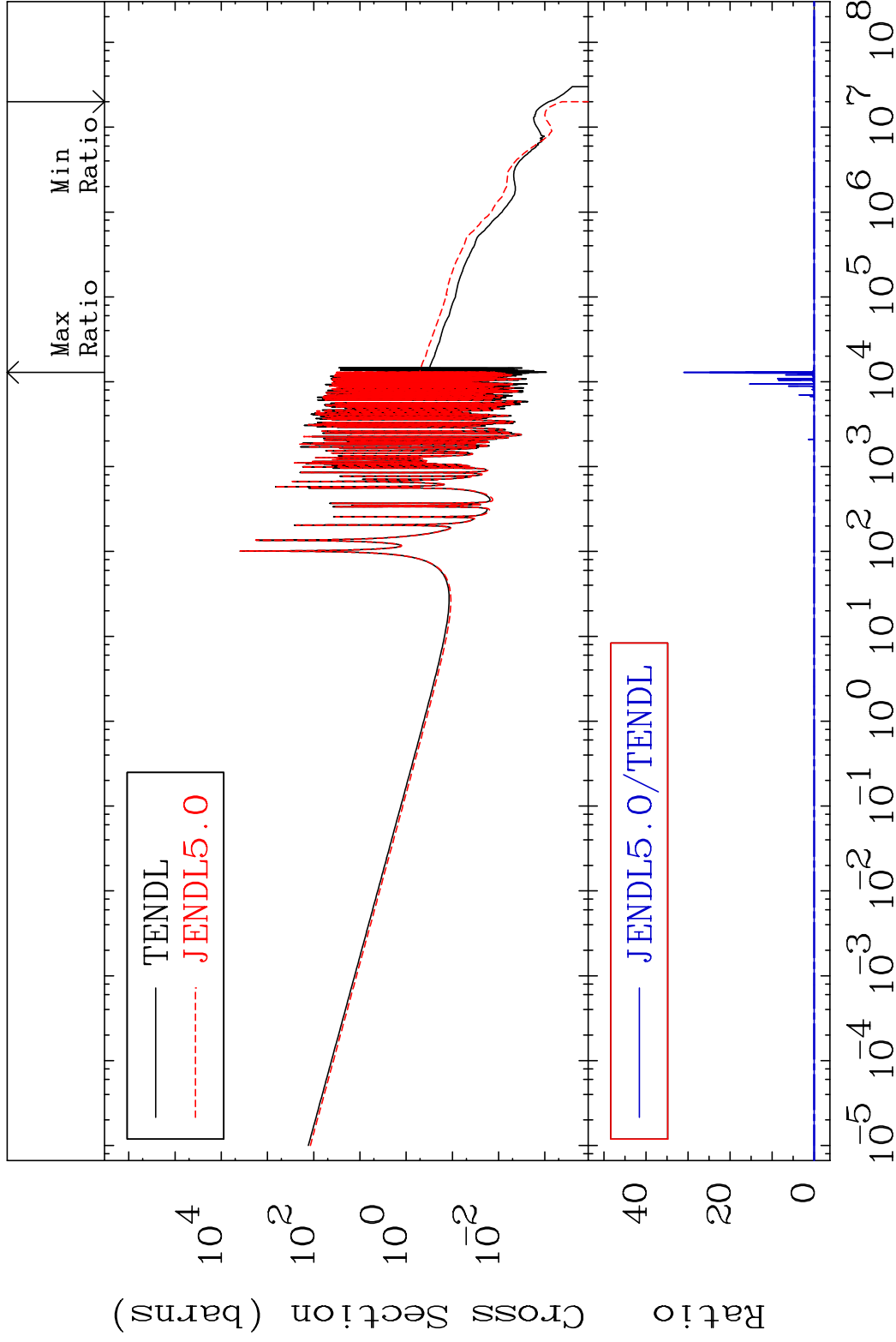
40 Incident Energy (eV) 35-Br-81

MAT 3531

(n, γ)

35-Br-81

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

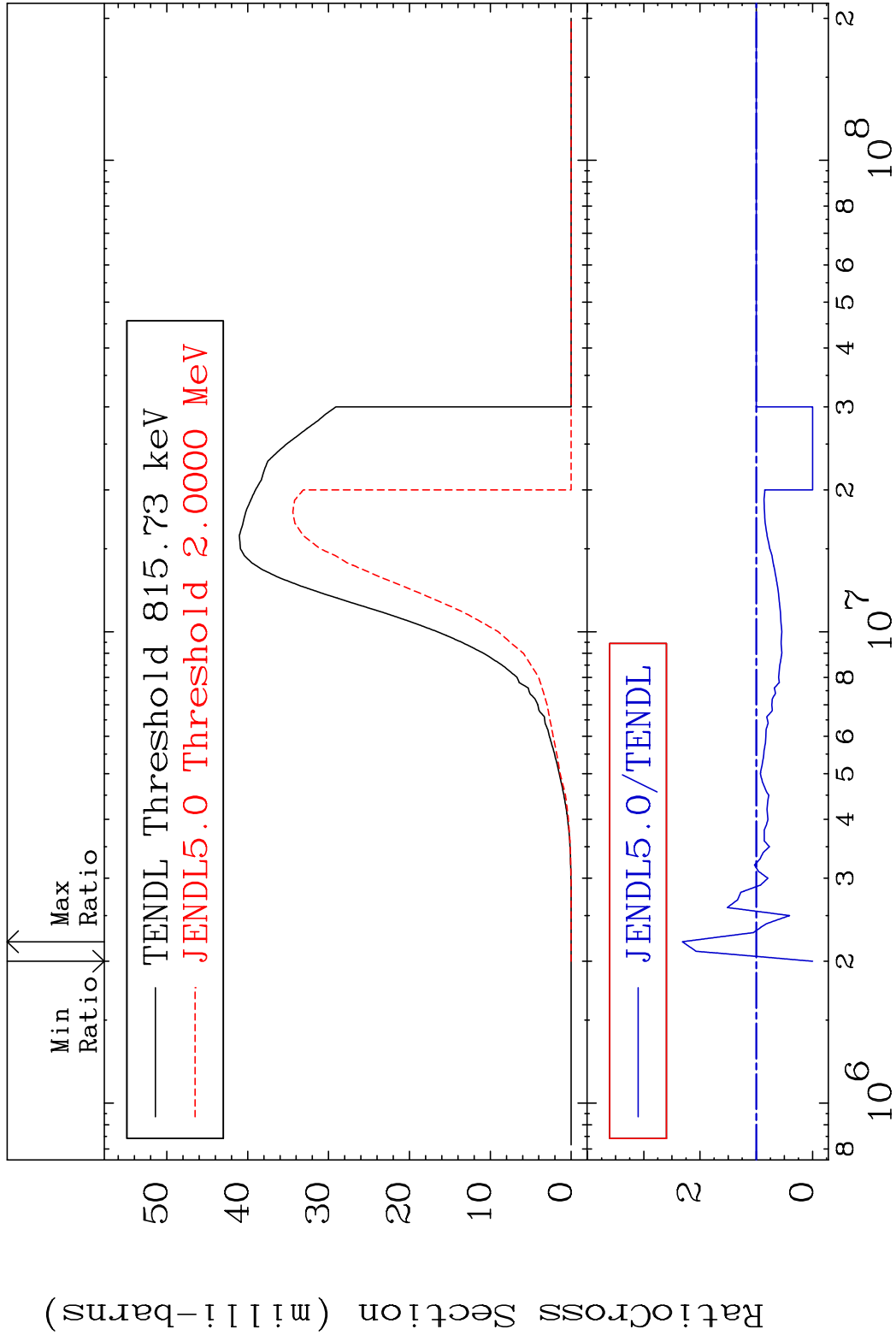
35-Br-81

MAT 3531

(n, p)

35-Br-81

Cross Section -100.0 To 131.4 %



42

Incident Energy (eV)

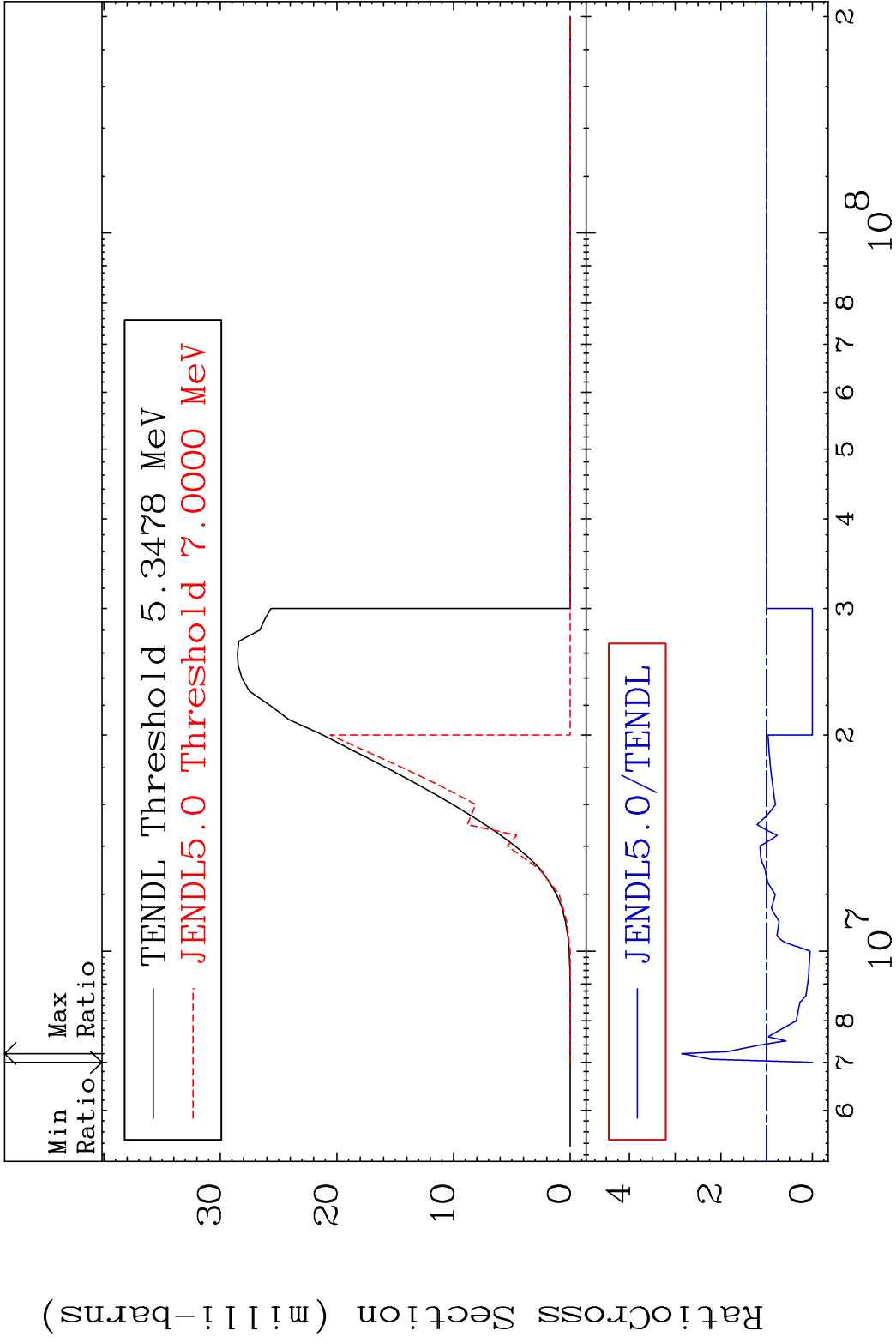
35-Br-81

MAT 3531

(n, d)

35-Br-81

Cross Section -100.0 To 185.4 %



43

Incident Energy (eV)

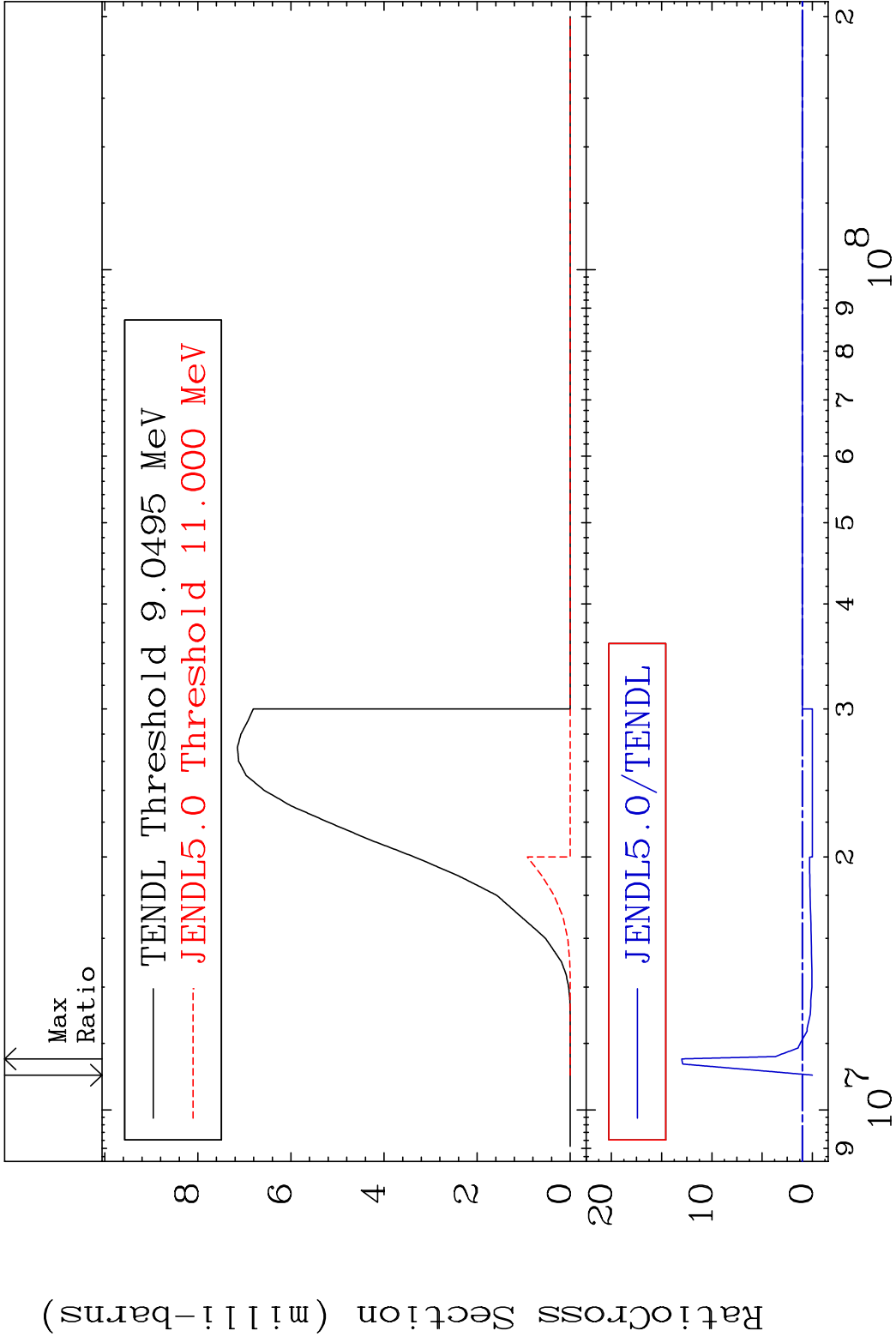
35-Br-81

MAT 3531

(n, t)

35-Br-81

Cross Section -100.0 To 1200. %



44

Incident Energy (eV)

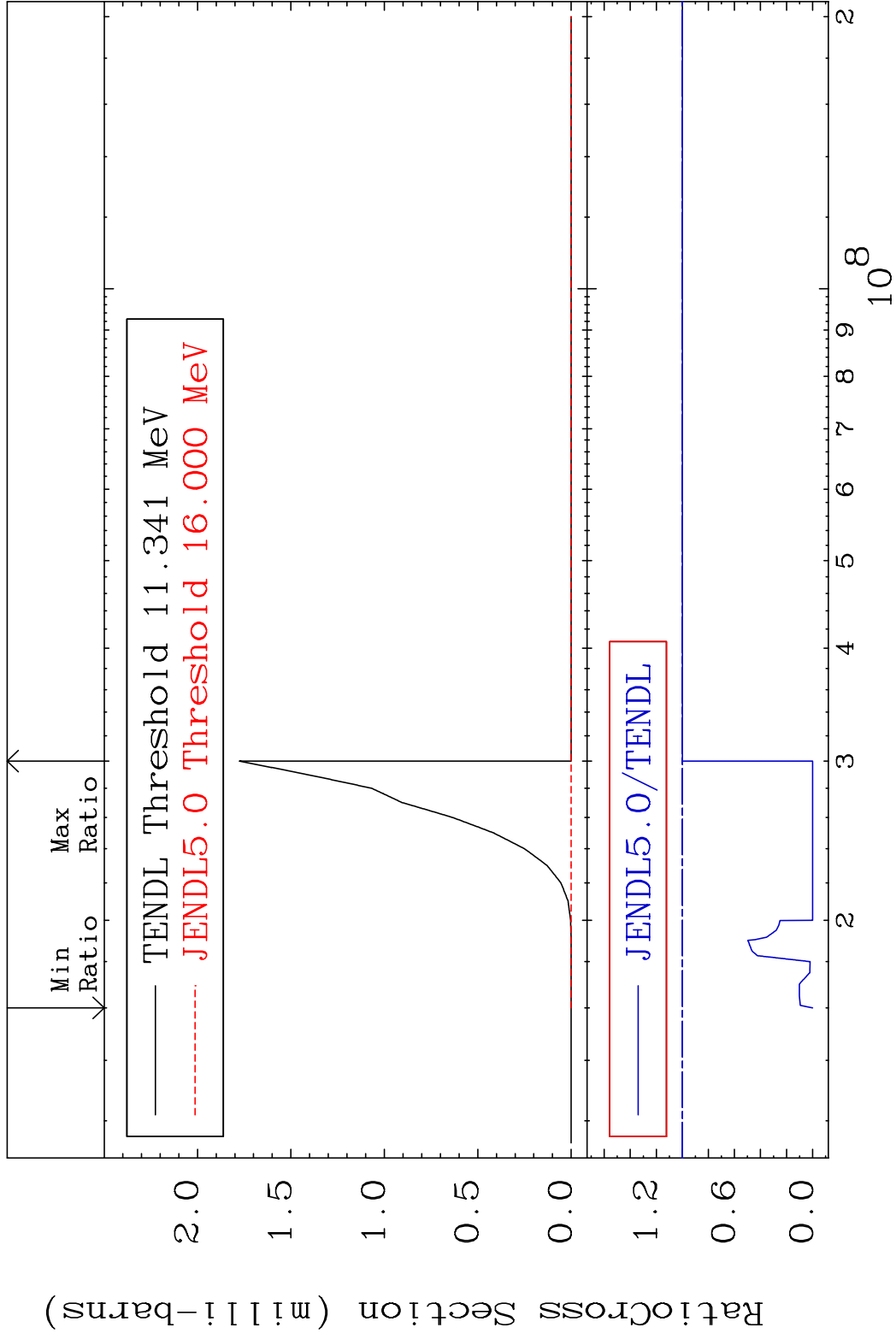
35-Br-81

MAT 3531

(n, He-3)

35-Br-81

Cross Section -100.0 To 0.000 %



45

Incident Energy (eV)

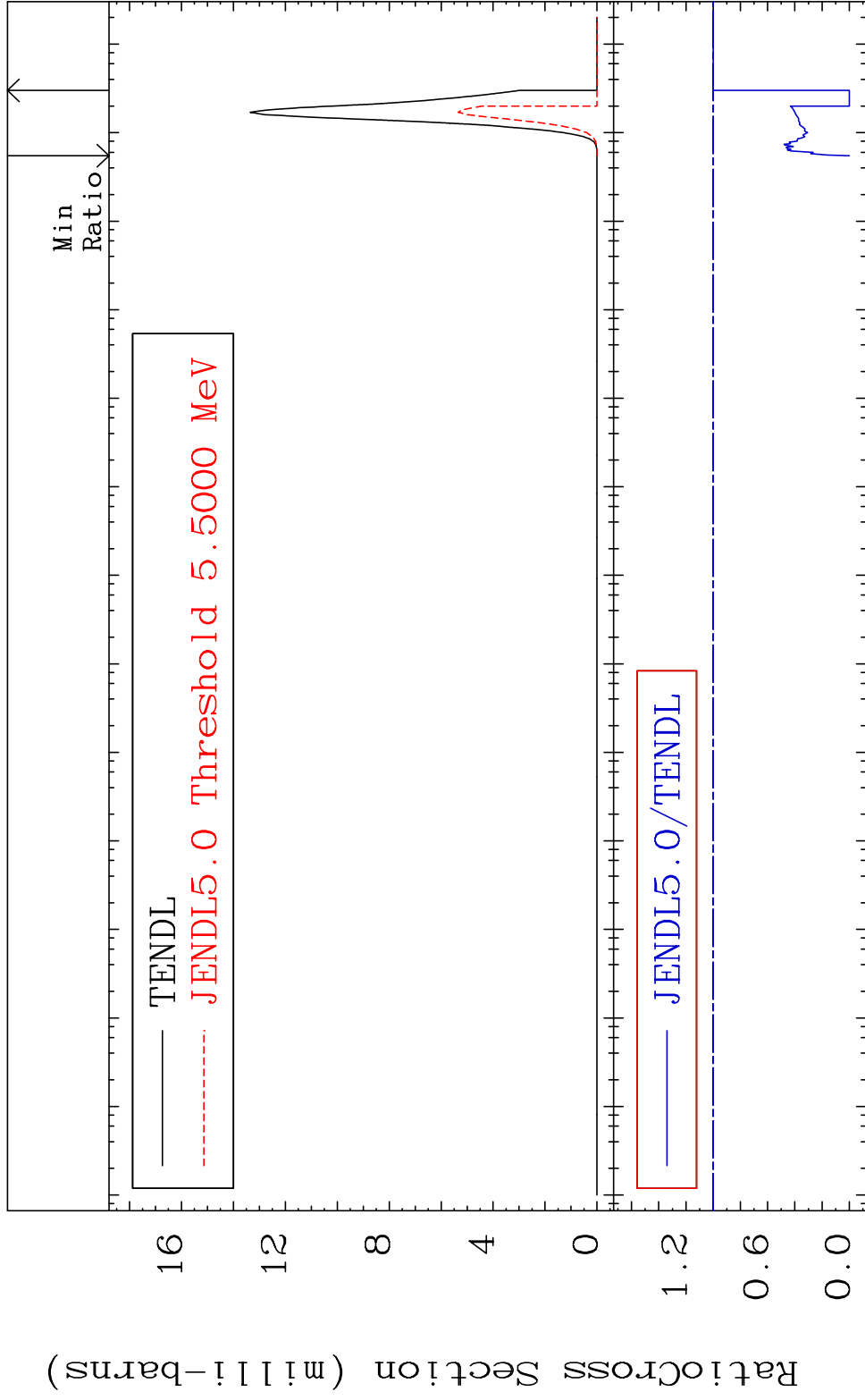
35-Br-81

MAT 3531

(n, α)

35-Br-81

Cross Section -100.0 To 0.000 %



46

Incident Energy (eV)

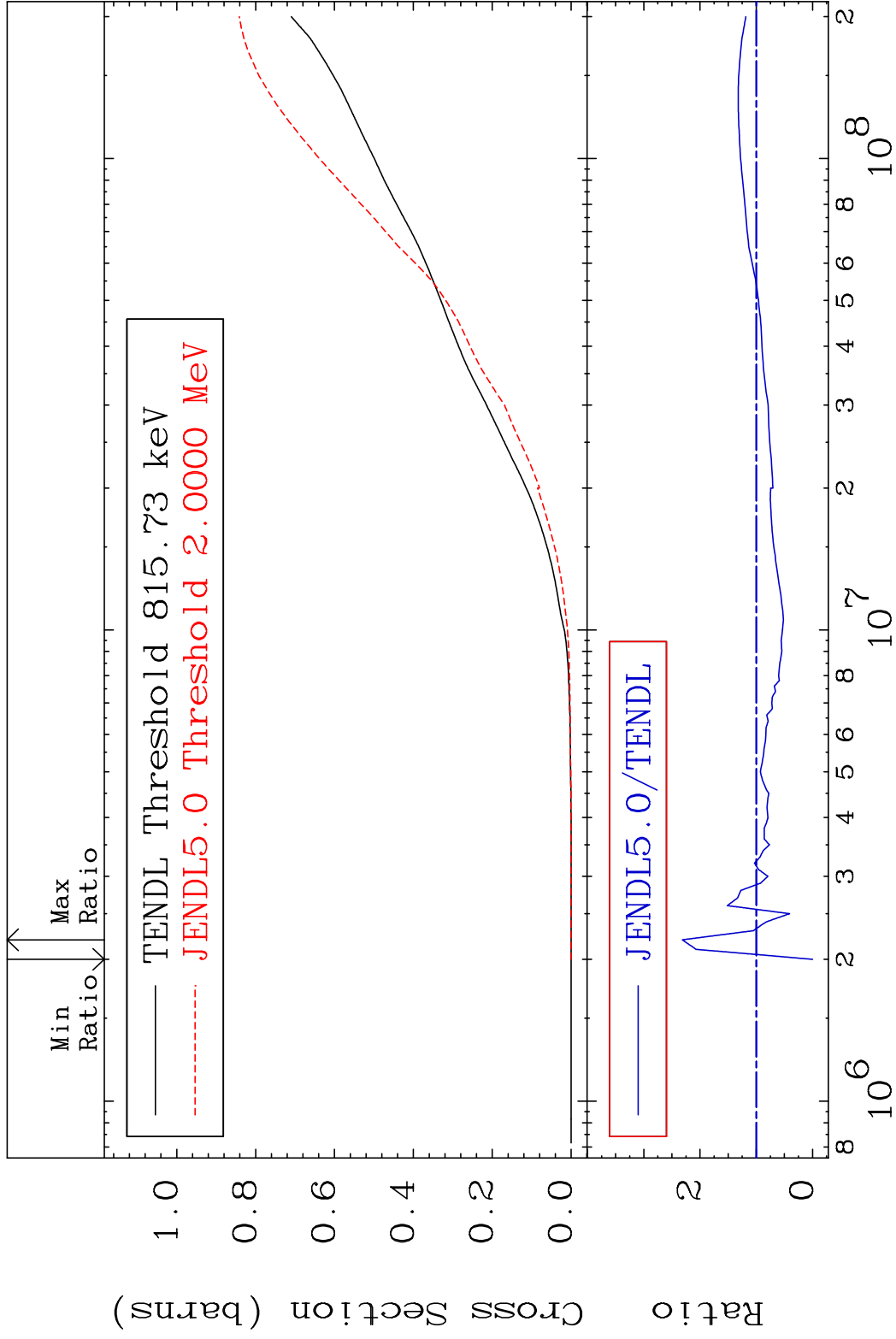
35-Br-81

MAT 3531

Hydrogen Production

35-Br-81

Cross Section -100.0 To 131.4 %



47

Incident Energy (eV)

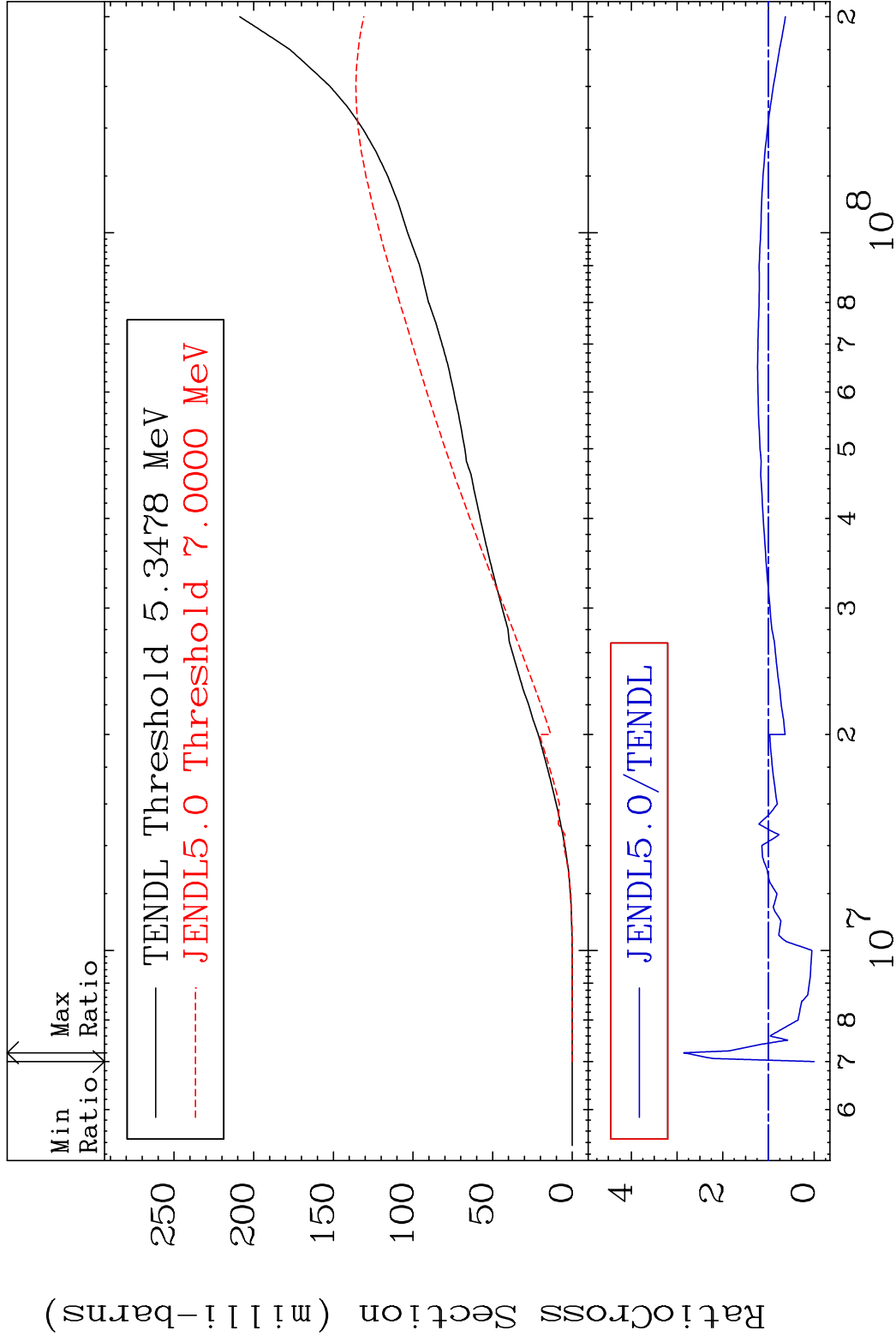
35-Br-81

MAT 3531

Deuterium Production

35-Br-81

Cross Section -100.0 To 185.4 %

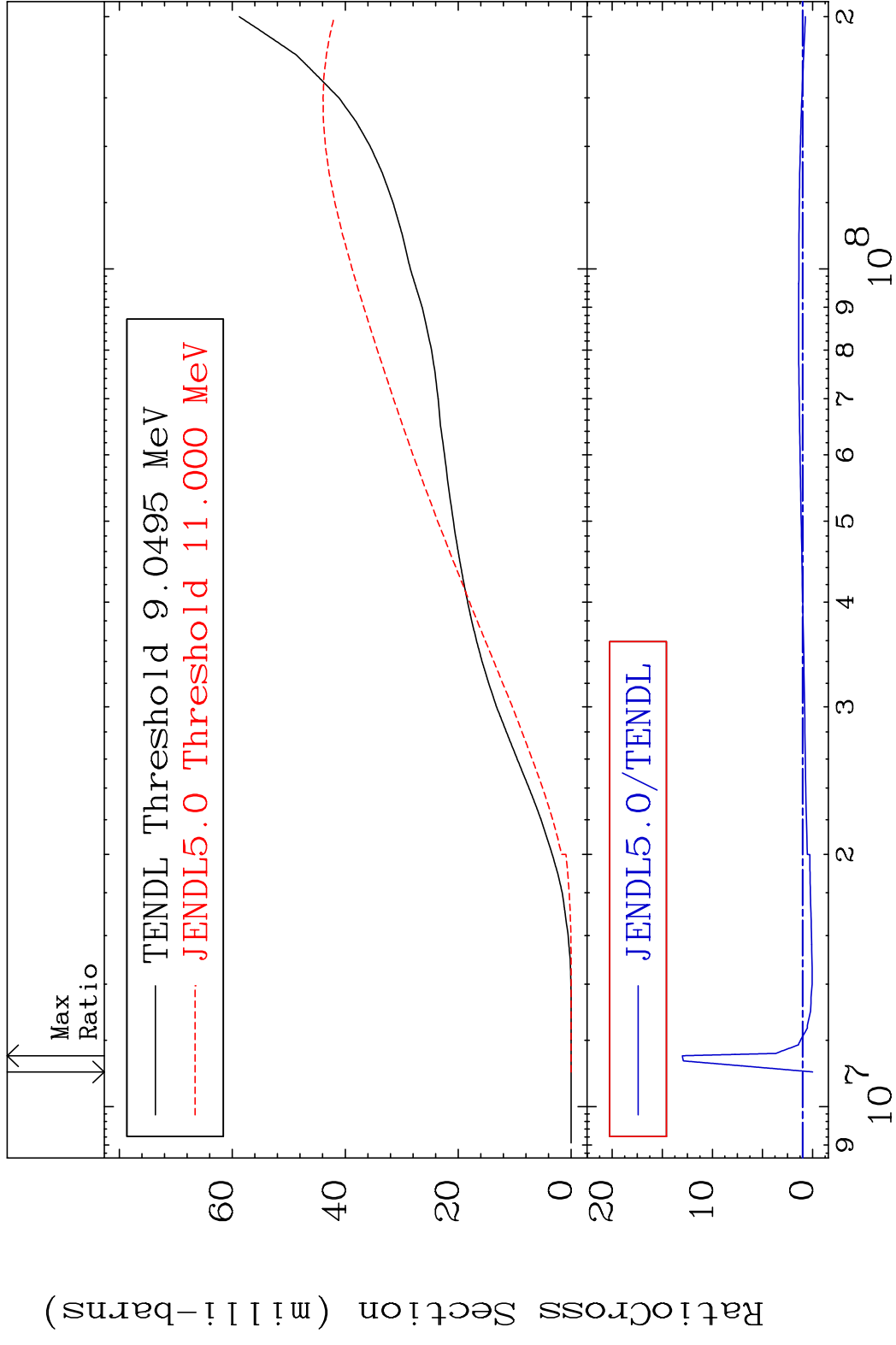


48

Incident Energy (eV)

35-Br-81

MAT 3531 Tritium Production 35-Br-81
 Cross Section -100.0 To 1200. %



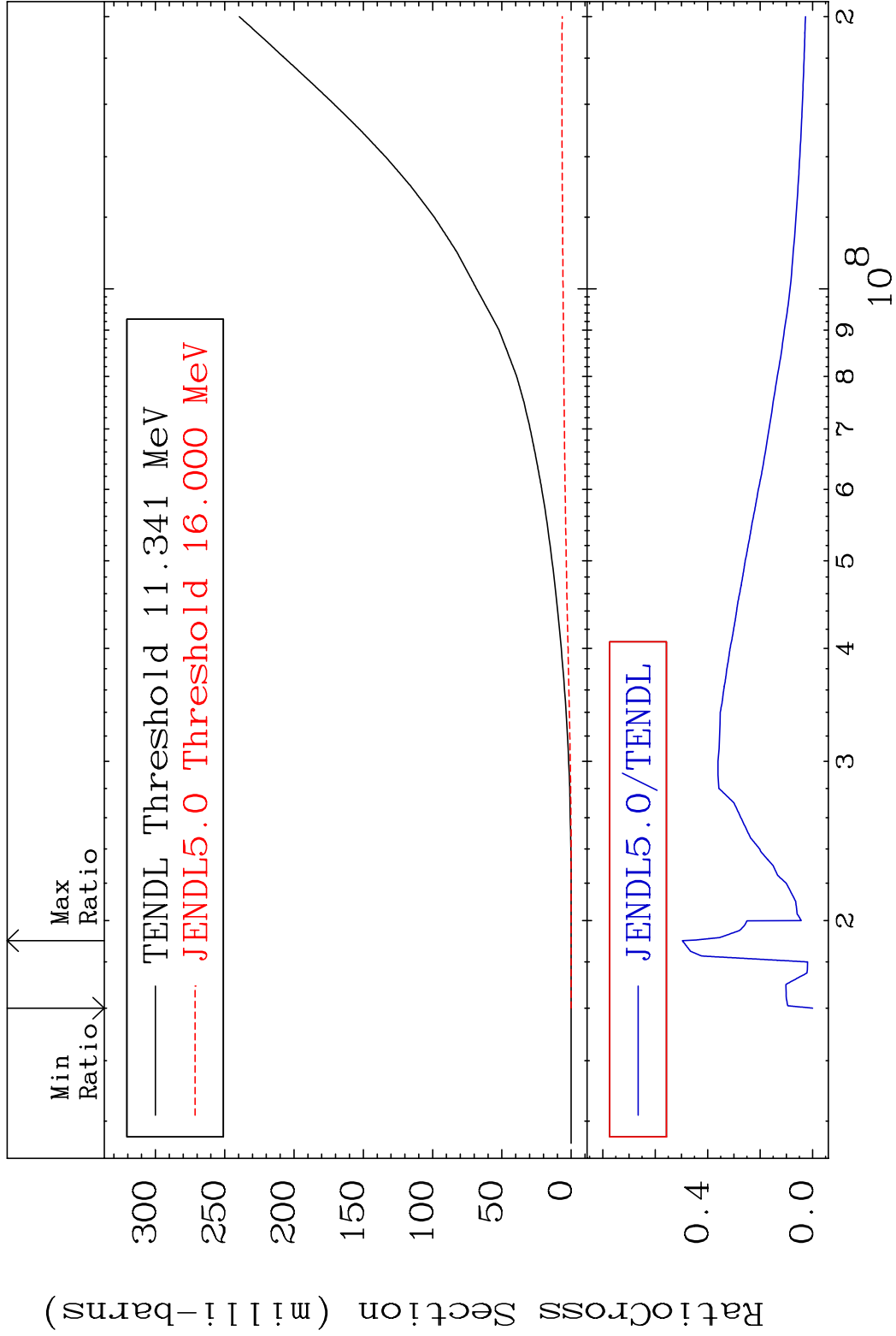
49 35-Br-81

MAT 3531

He-3 Production

35-Br-81

Cross Section -100.0 To -50.35%



50

Incident Energy (eV)

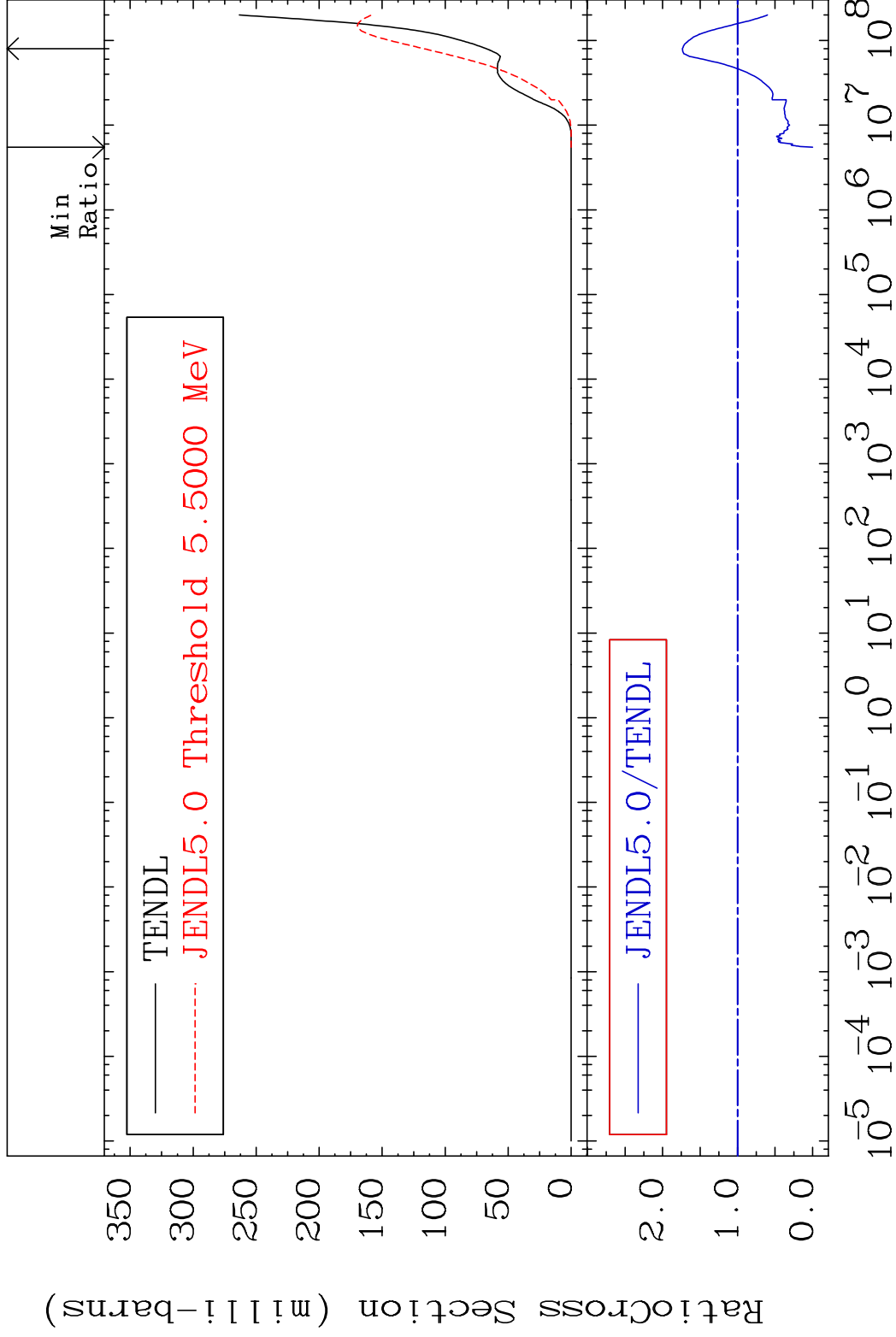
35-Br-81

MAT 3531

He-4 Production

35-Br-81

Cross Section -100.0 To 73.63 %

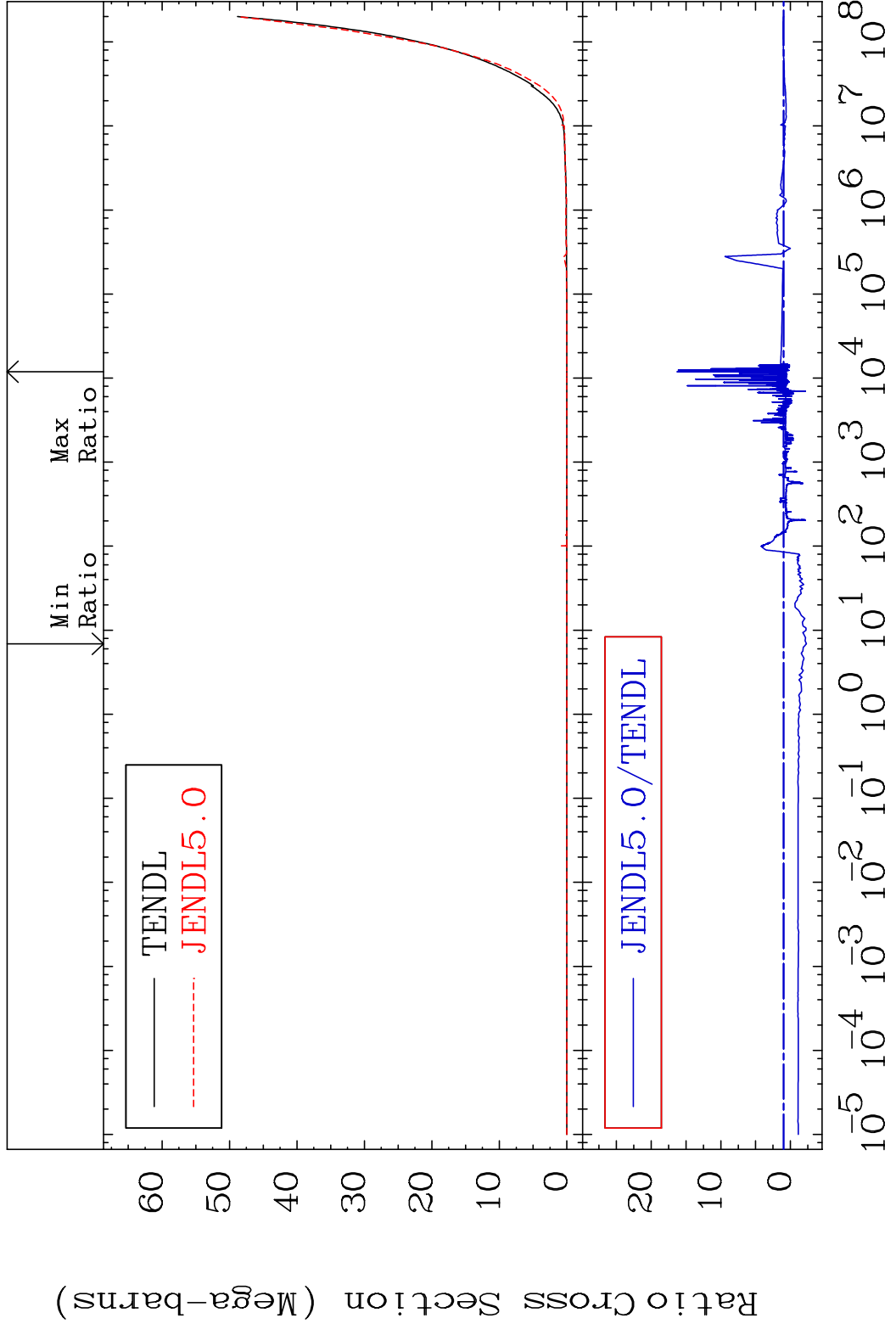


51

Incident Energy (eV)

35-Br-81

MAT 3531 Kerma total (eV-barns) 35-Br-81
Cross Section -328.9 To 1527. %

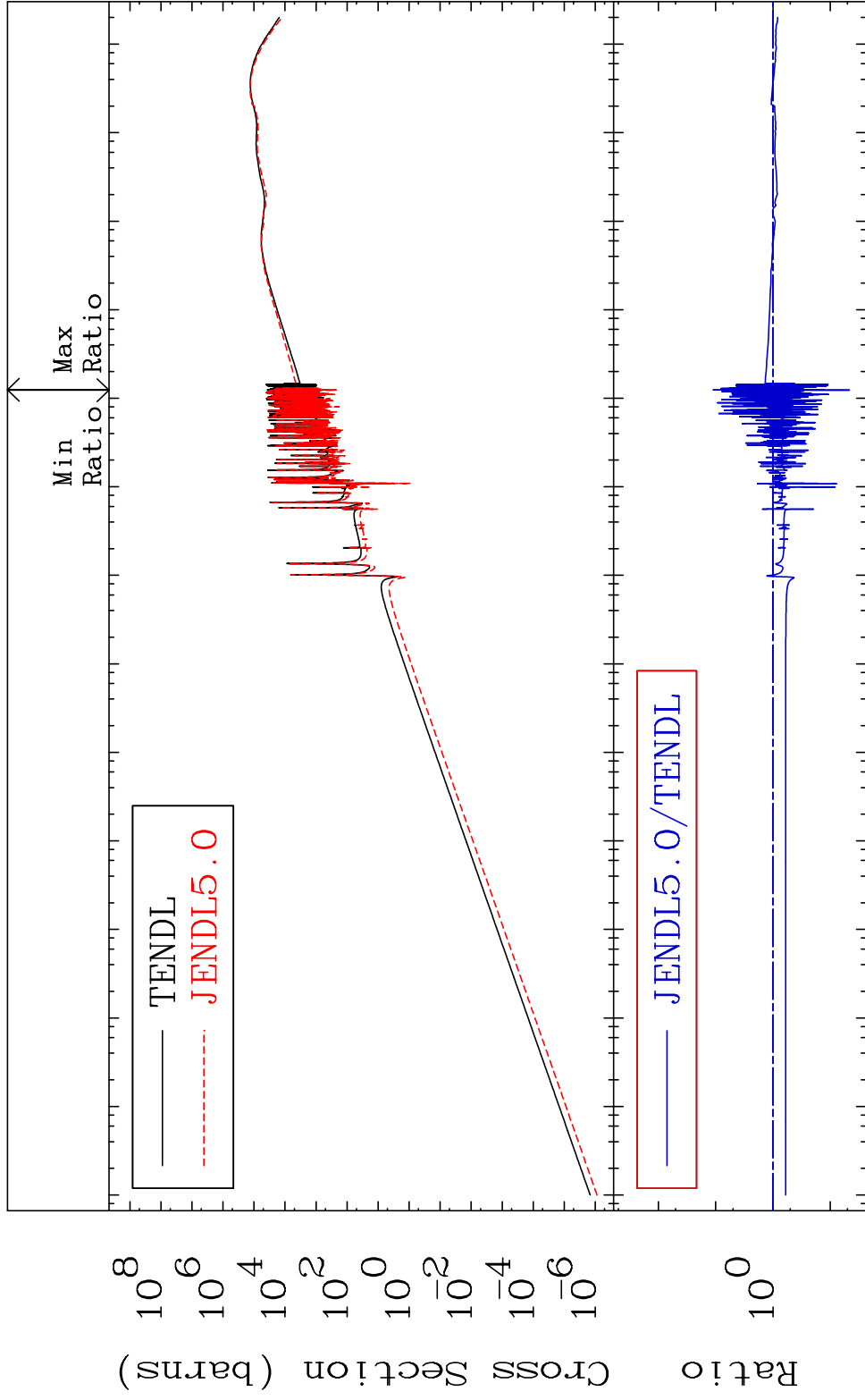


52 35-Br-81

MAT 3531

Kerma elastic Cross Section -95.36 To 1006. %

35-Br-81

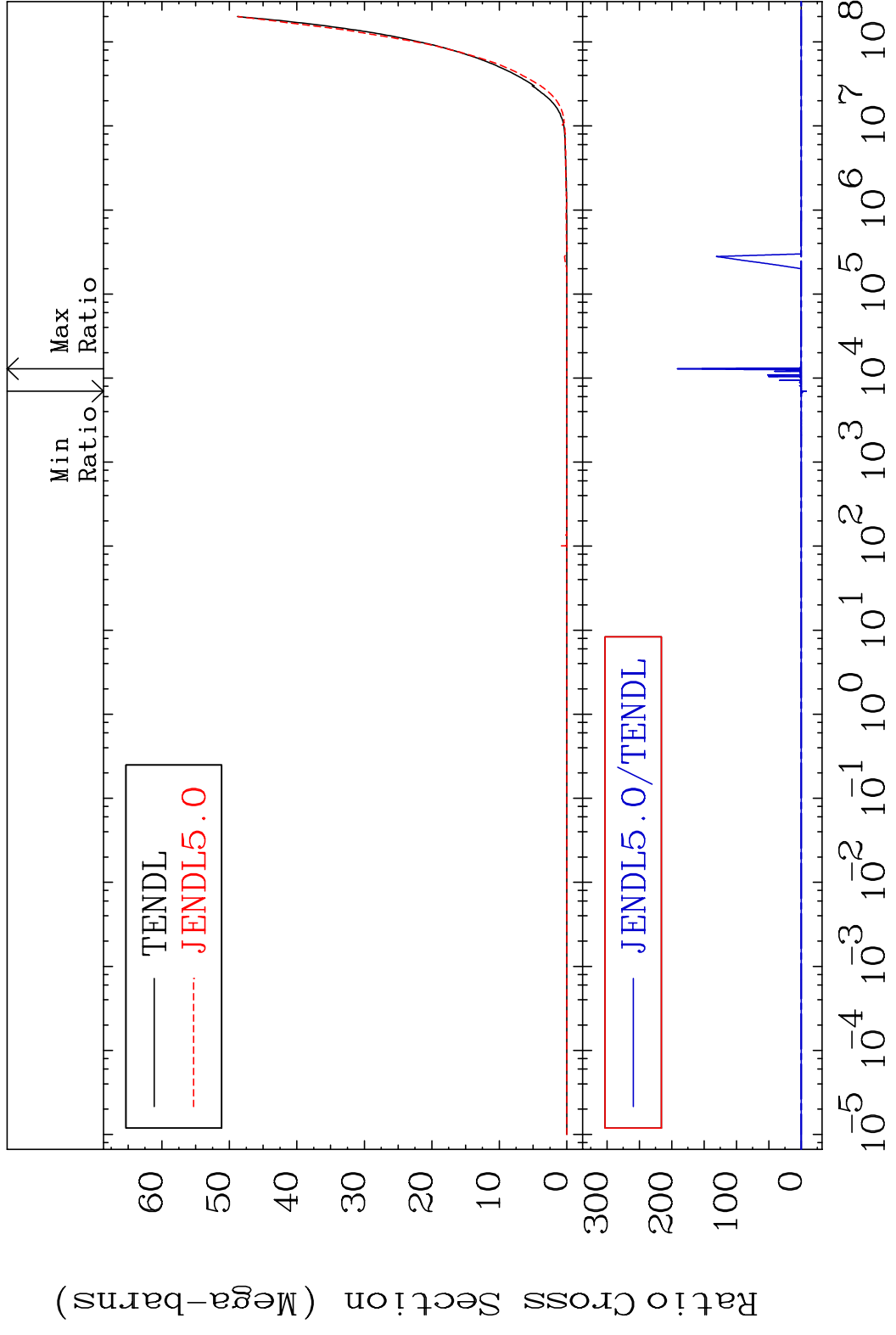


53

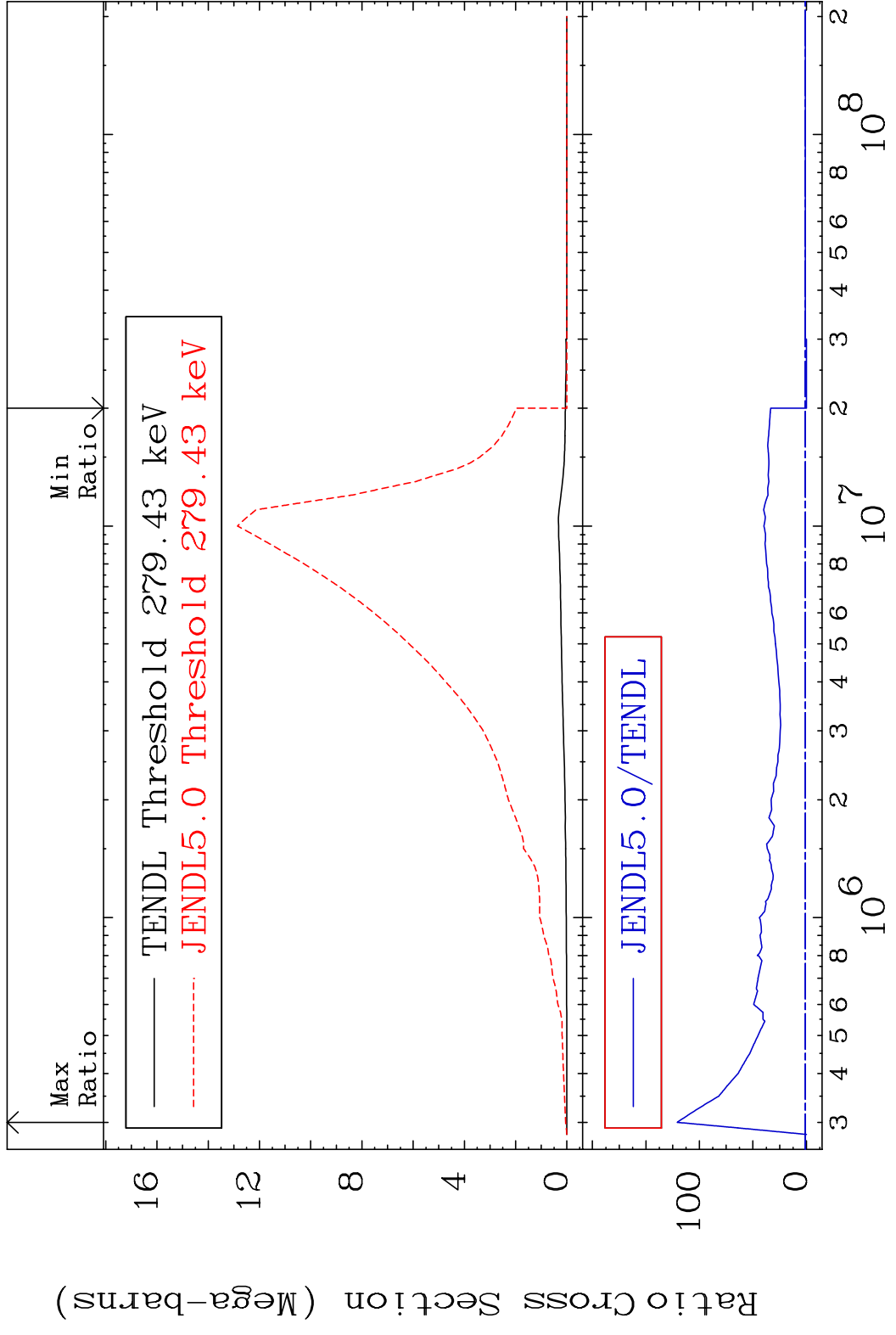
Incident Energy (eV)

35-Br-81

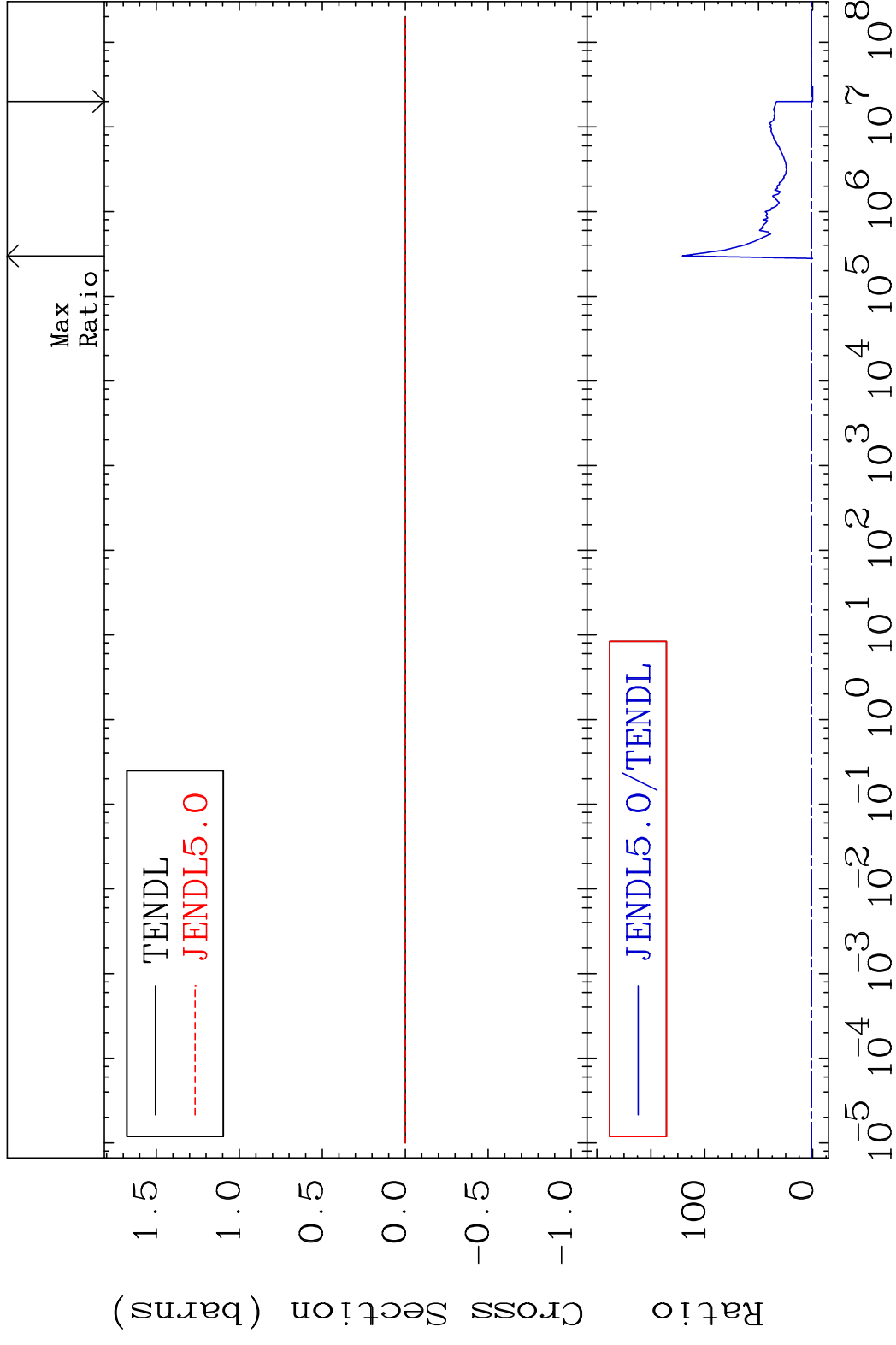
MAT 3531 Kerma non-elastic (all but mt2) 35-Br-81
 Cross Section -9999. To 9999. %



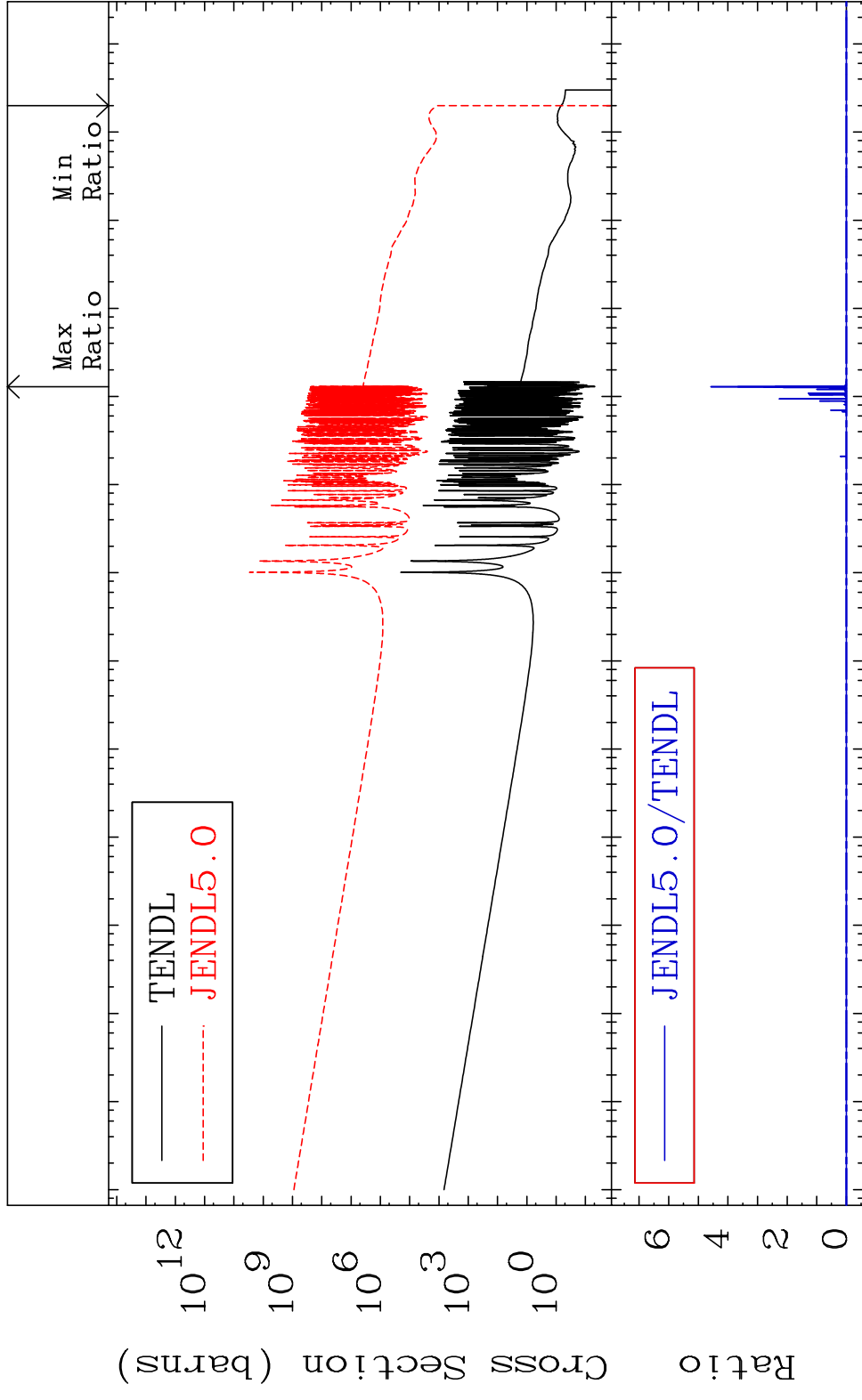
MAT 3531 Kerma inelastic (mt51-91) 35-Br-81
 Cross Section -100.0 To 9999. %



MAT 3531 Kerma fission (mt18 or mt19-20-21-38) 35-Br-81
 Cross Section -100.0 To 9999. %

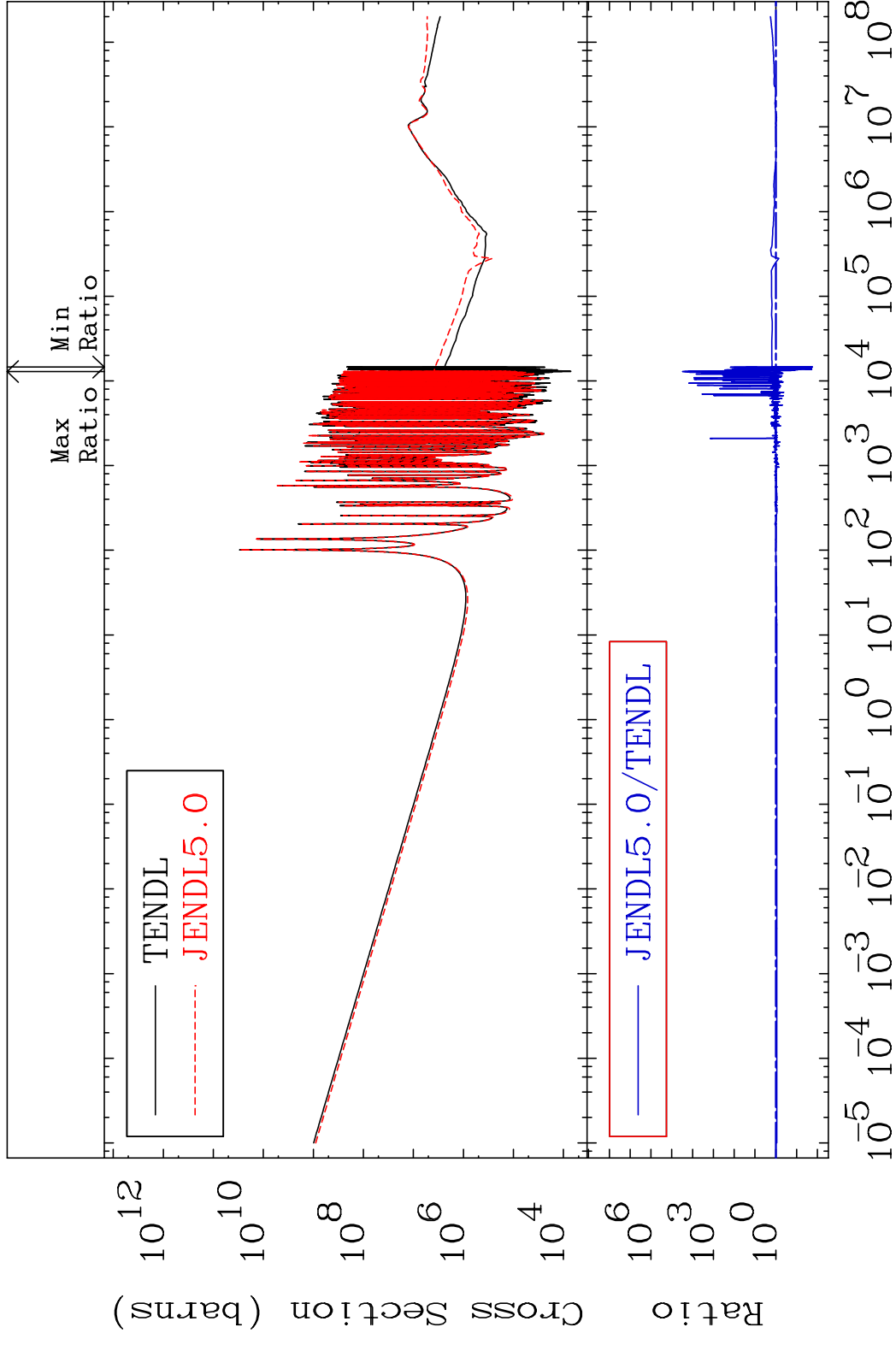


MAT 3531 Kerma capture (mt102) 35-Br-81
 Cross Section -100.0 To 9999. %

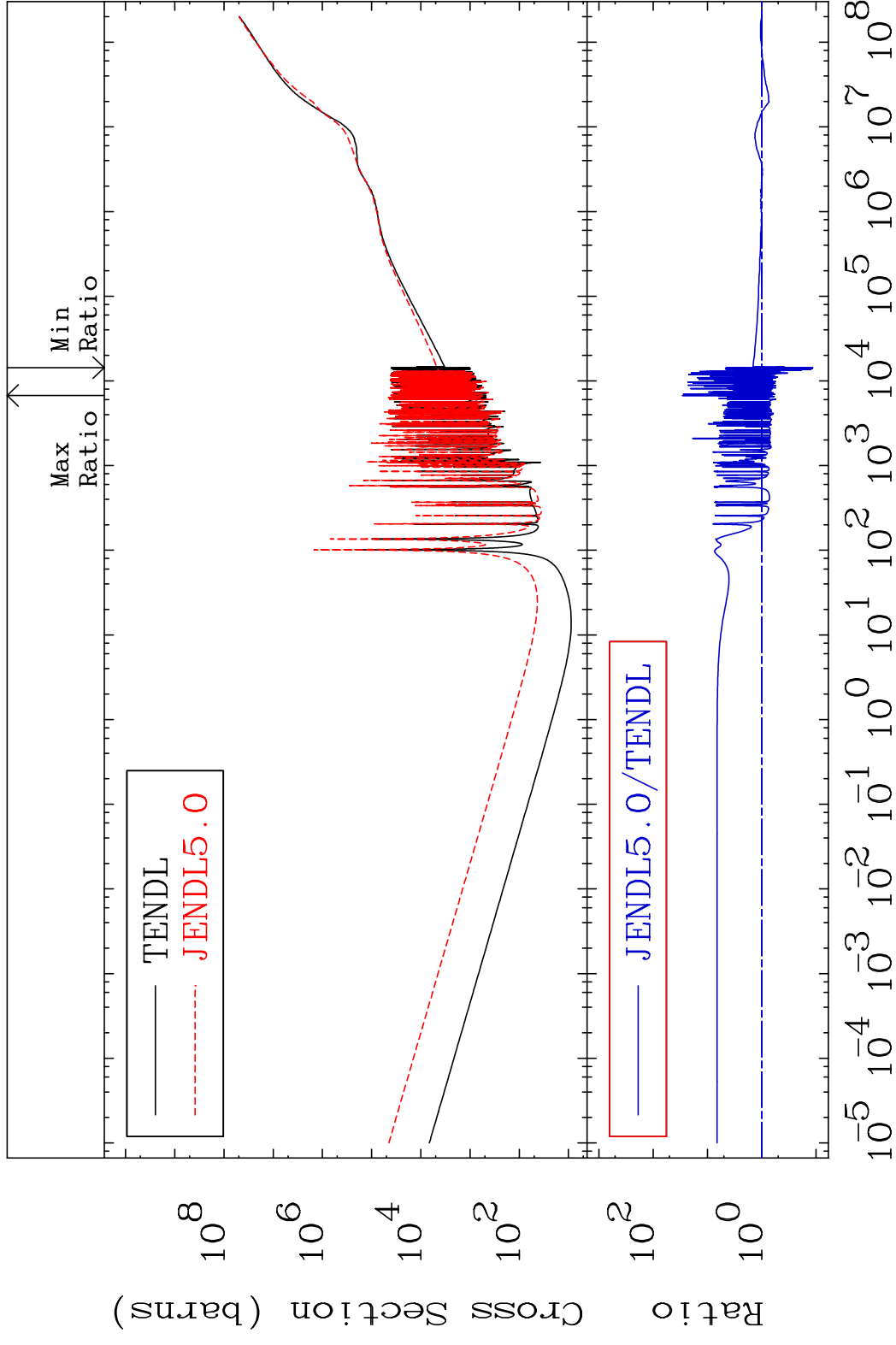


57 Incident Energy (eV) 35-Br-81

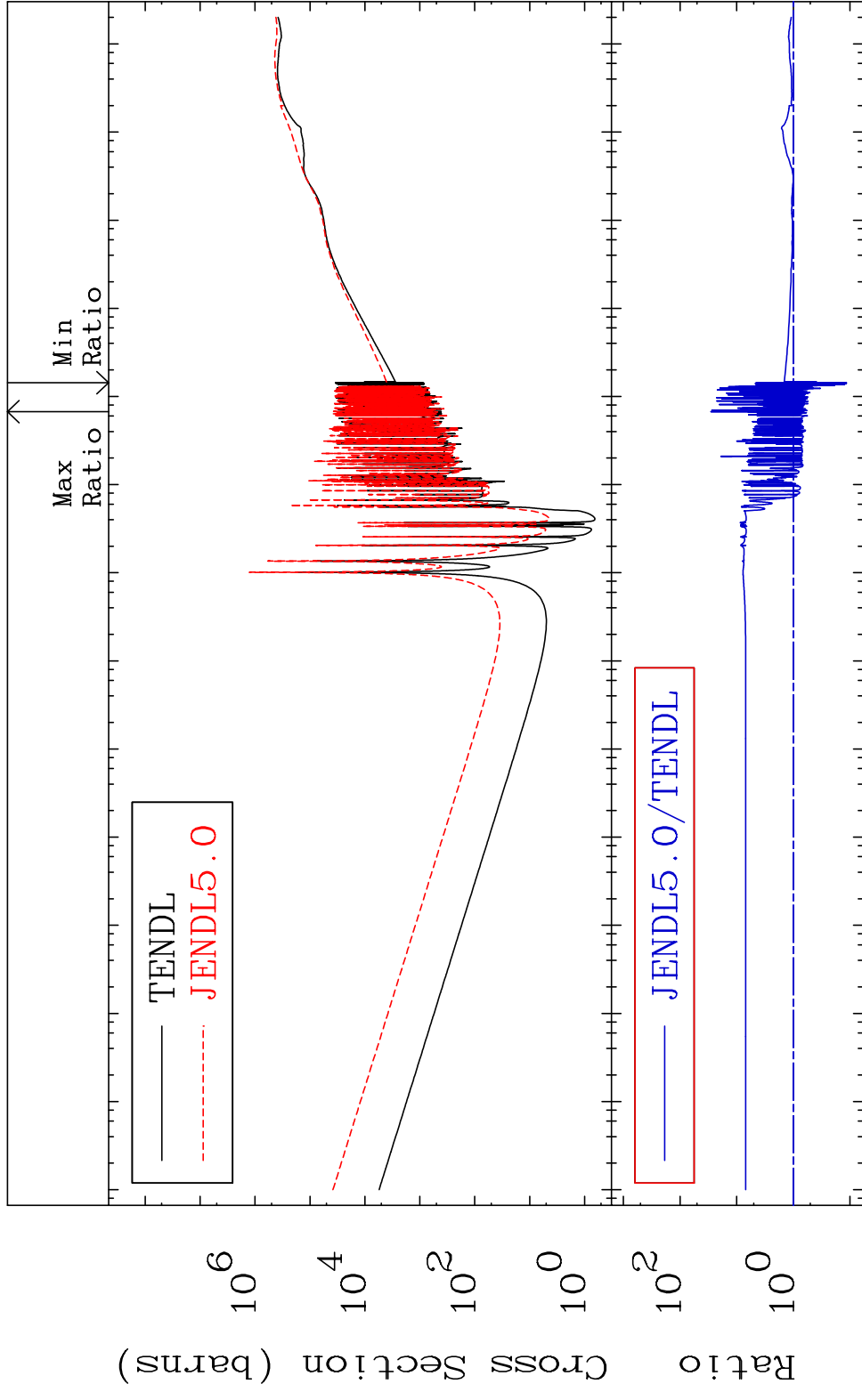
MAT 3531 Total photon (eV-barns) 35-Br-81
 Cross Section -98.28 To 9999. %



MAT 3531 Total kinematic kerma (high limit) 35-Br-81
 Cross Section -88.40 To 2799. %



MAT 3531 Dpa total (eV-barns) 35-Br-81
 Cross Section -88.40 To 2773. %



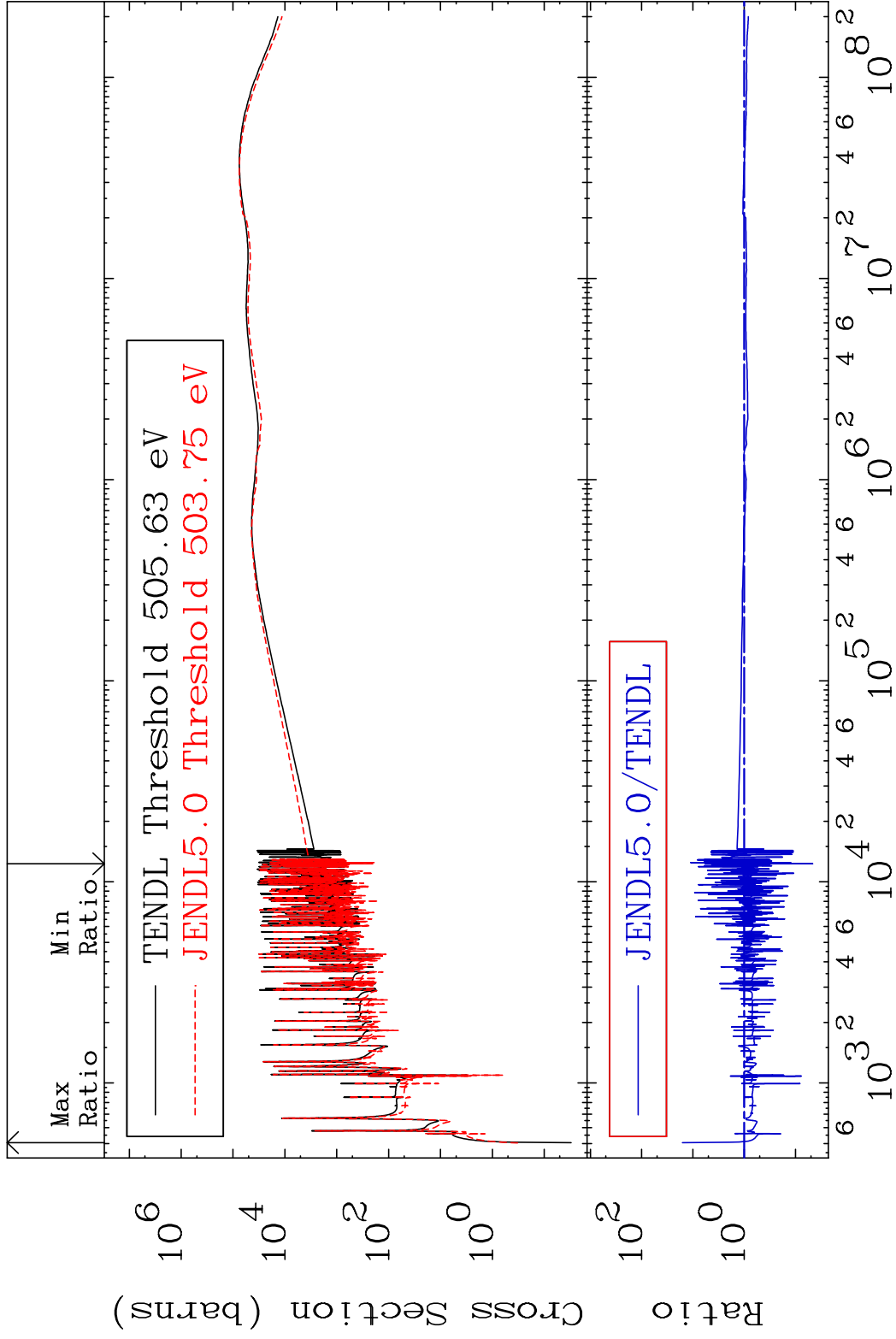
60 Incident Energy (eV) 35-Br-81

MAT 3531

Dpa elastic (mt2)

35-Br-81

Cross Section -95.36 To 1508. %

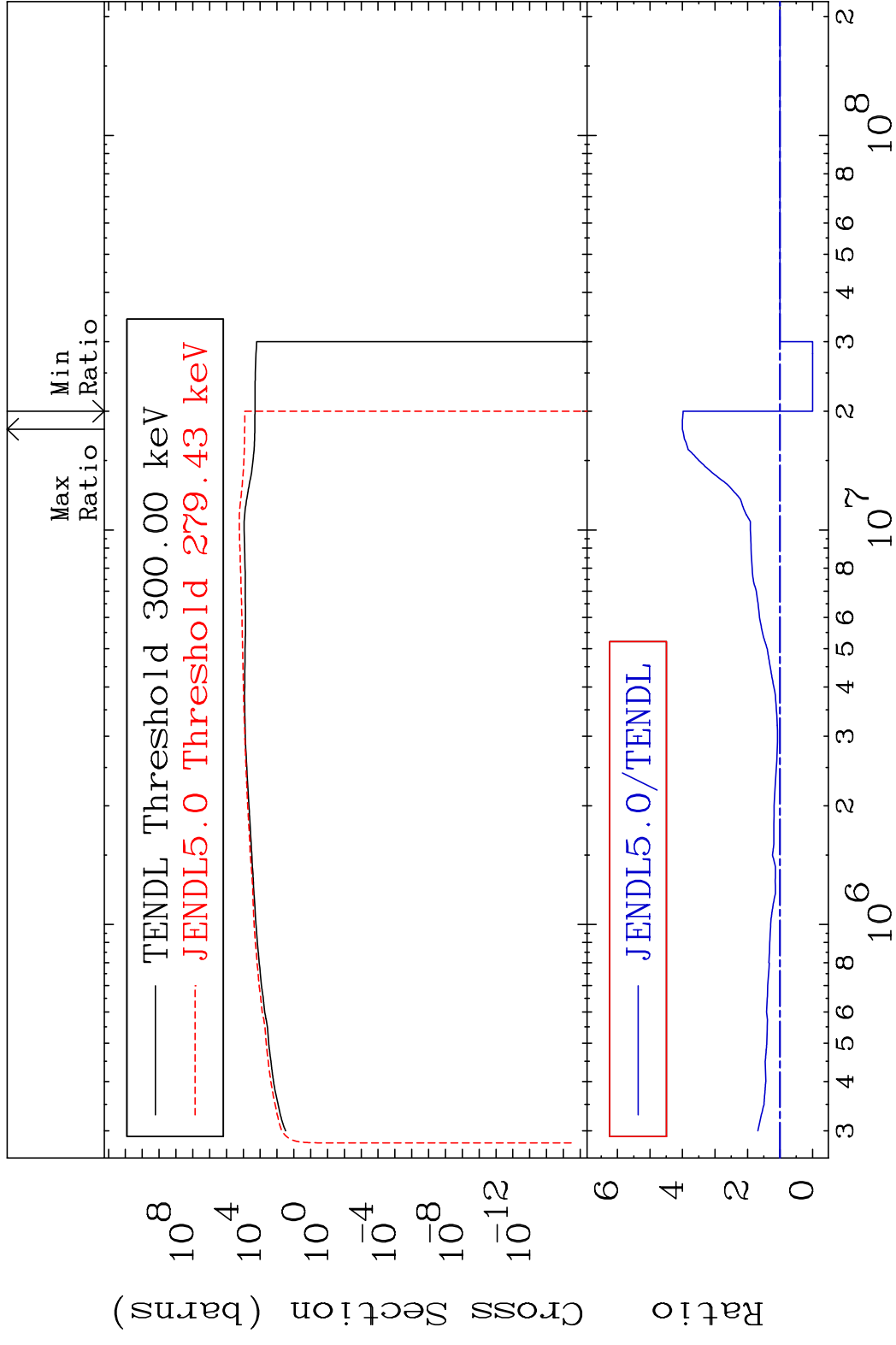


61

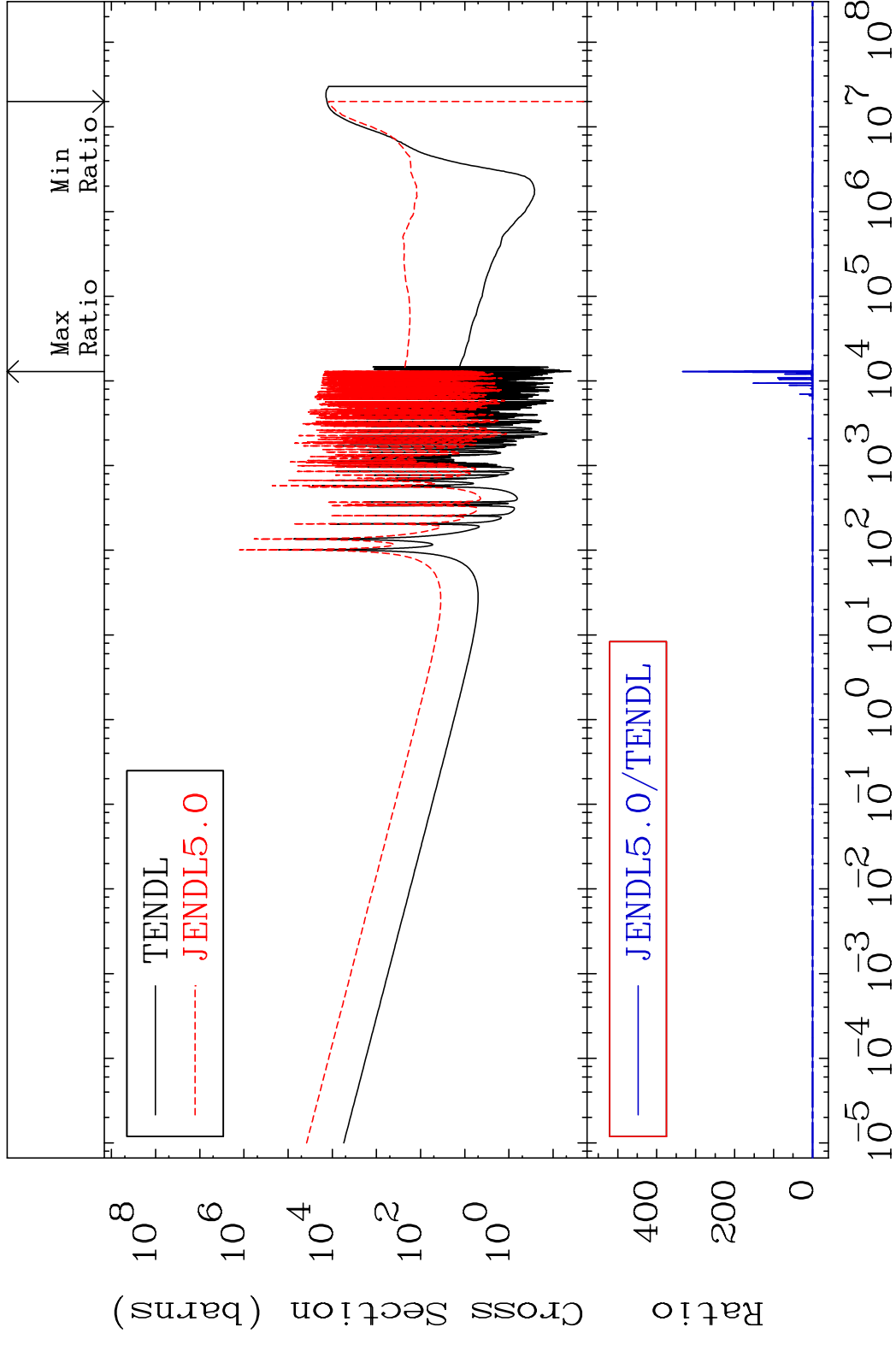
Incident Energy (eV)

35-Br-81

MAT 3531 Dpa inelastic (mt51-91) 35-Br-81
 Cross Section -100.0 To 300.4 %



MAT 3531 Dpa disappearance (mt102 -120) 35-Br-81
 Cross Section -100.0 To 9999. %

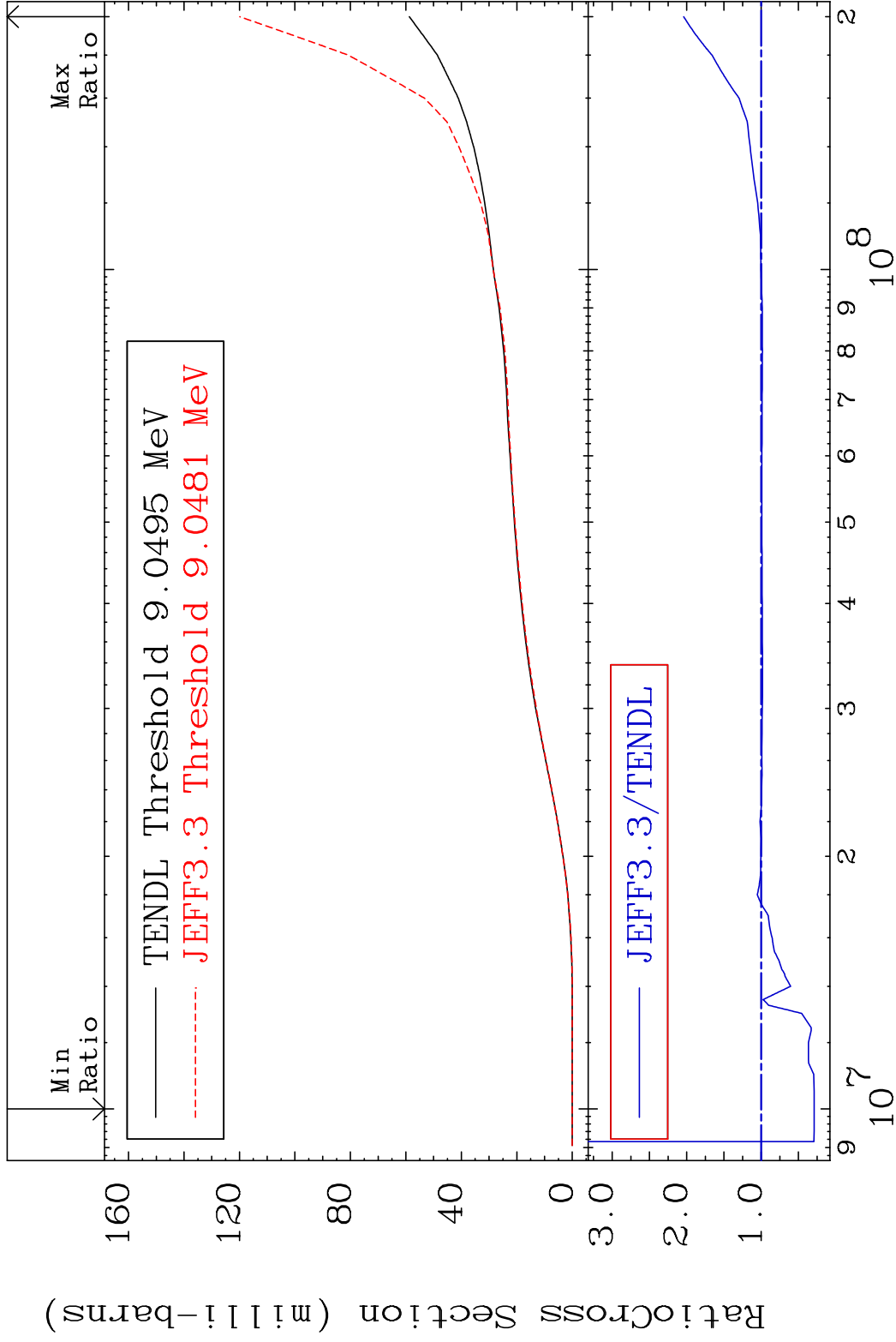


MAT 3531

Tritium Production

35-Br-81

Cross Section -71.04 To 104.1 %



64

Incident Energy (eV)

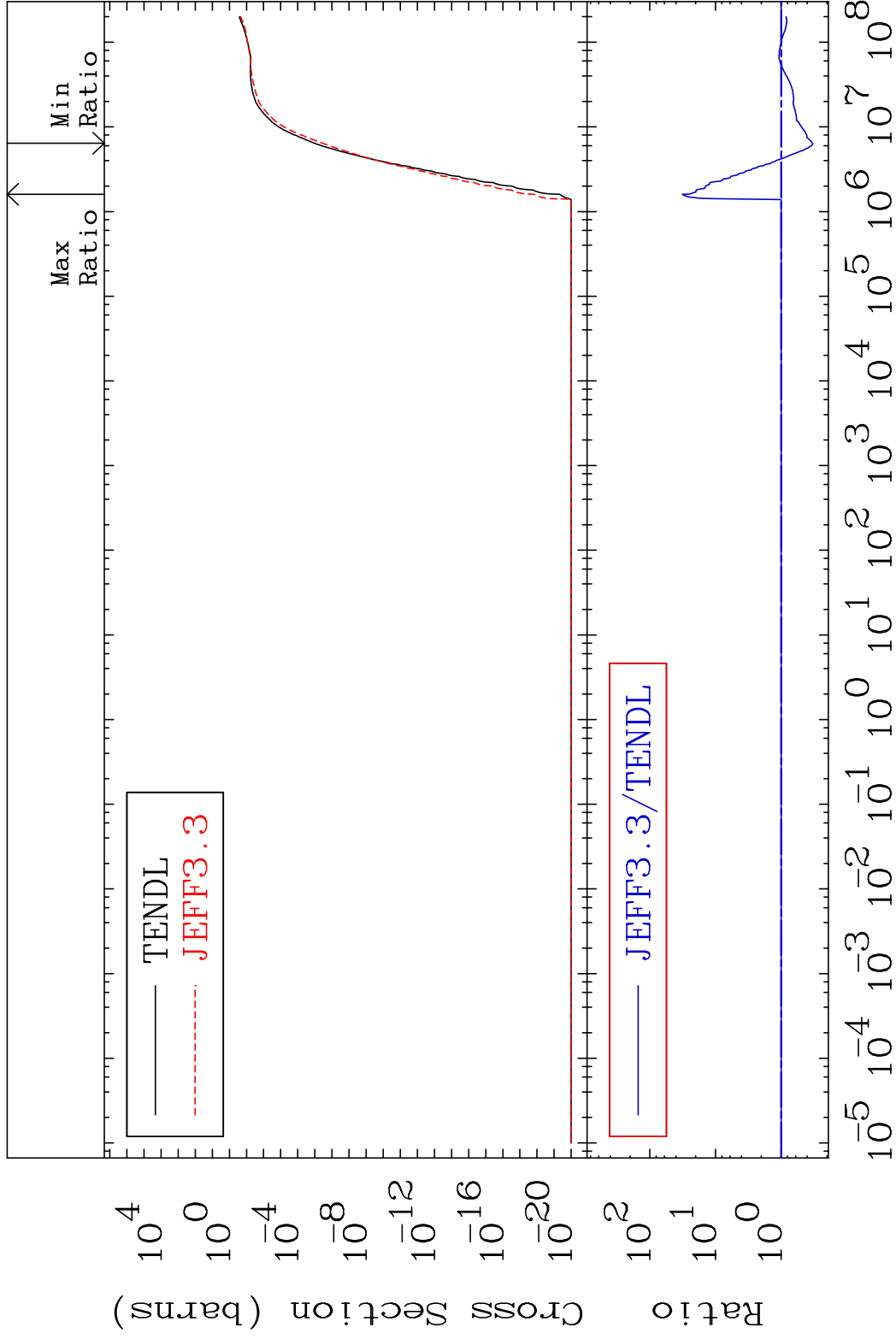
35-Br-81

MAT 3531

He-4 Production

35-Br-81

Cross Section -66.87 To 3093. %

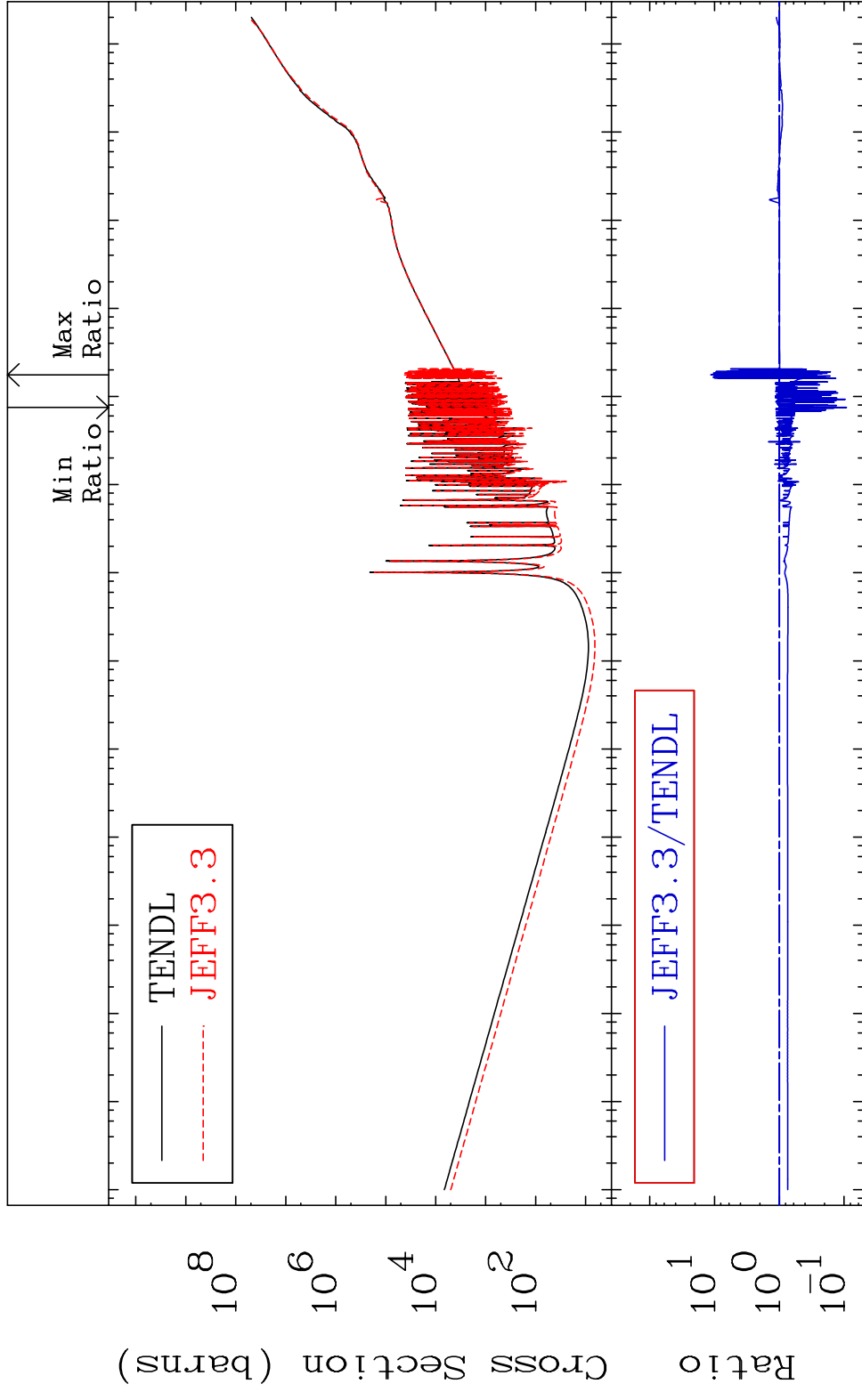


66

Incident Energy (eV)

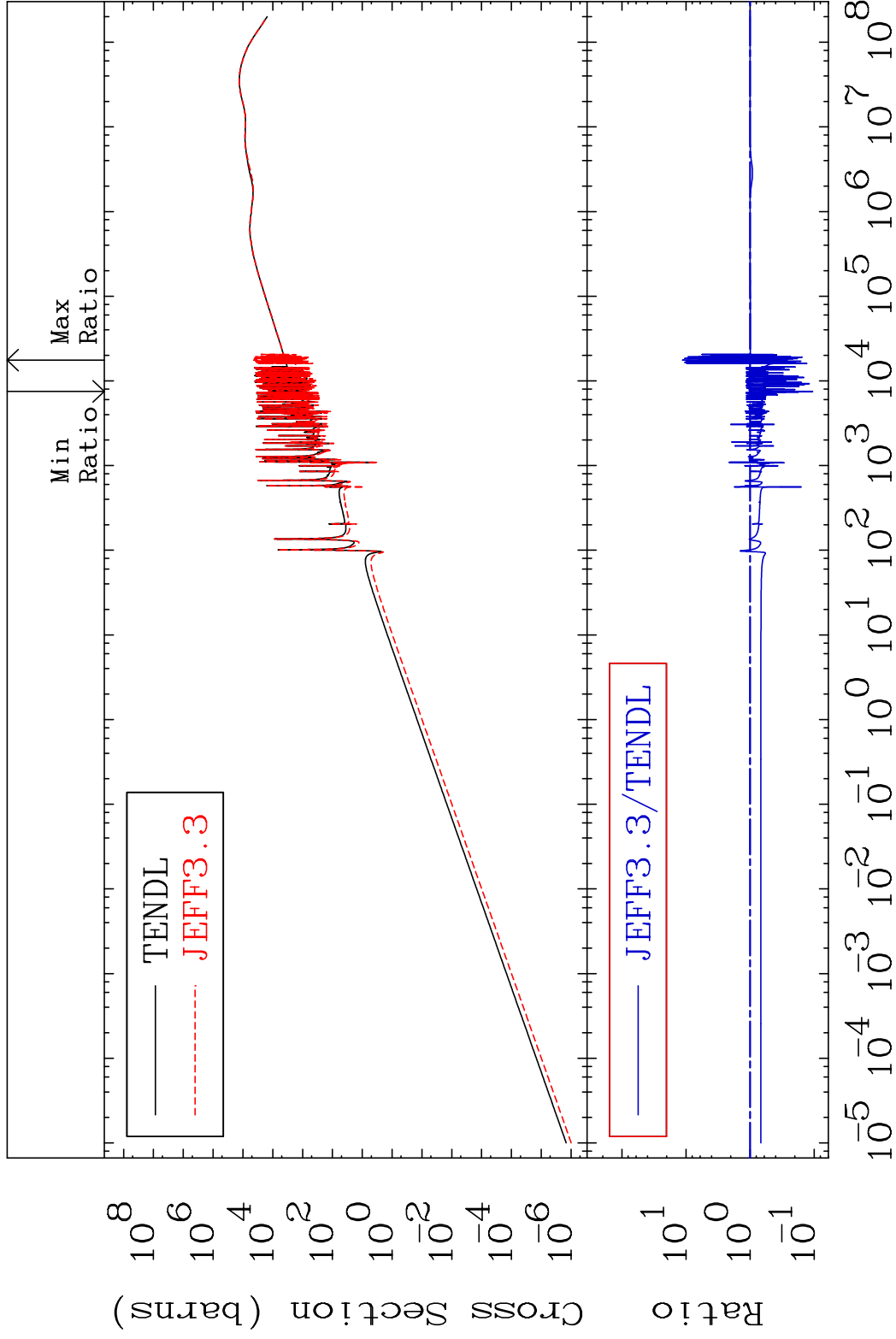
35-Br-81

MAT 3531 Kerma total (eV-barns) 35-Br-81
 Cross Section -90.78 To 1047. %



MAT 3531

Kerma elastic Cross Section -89.39 To 1042. %
35-Br-81

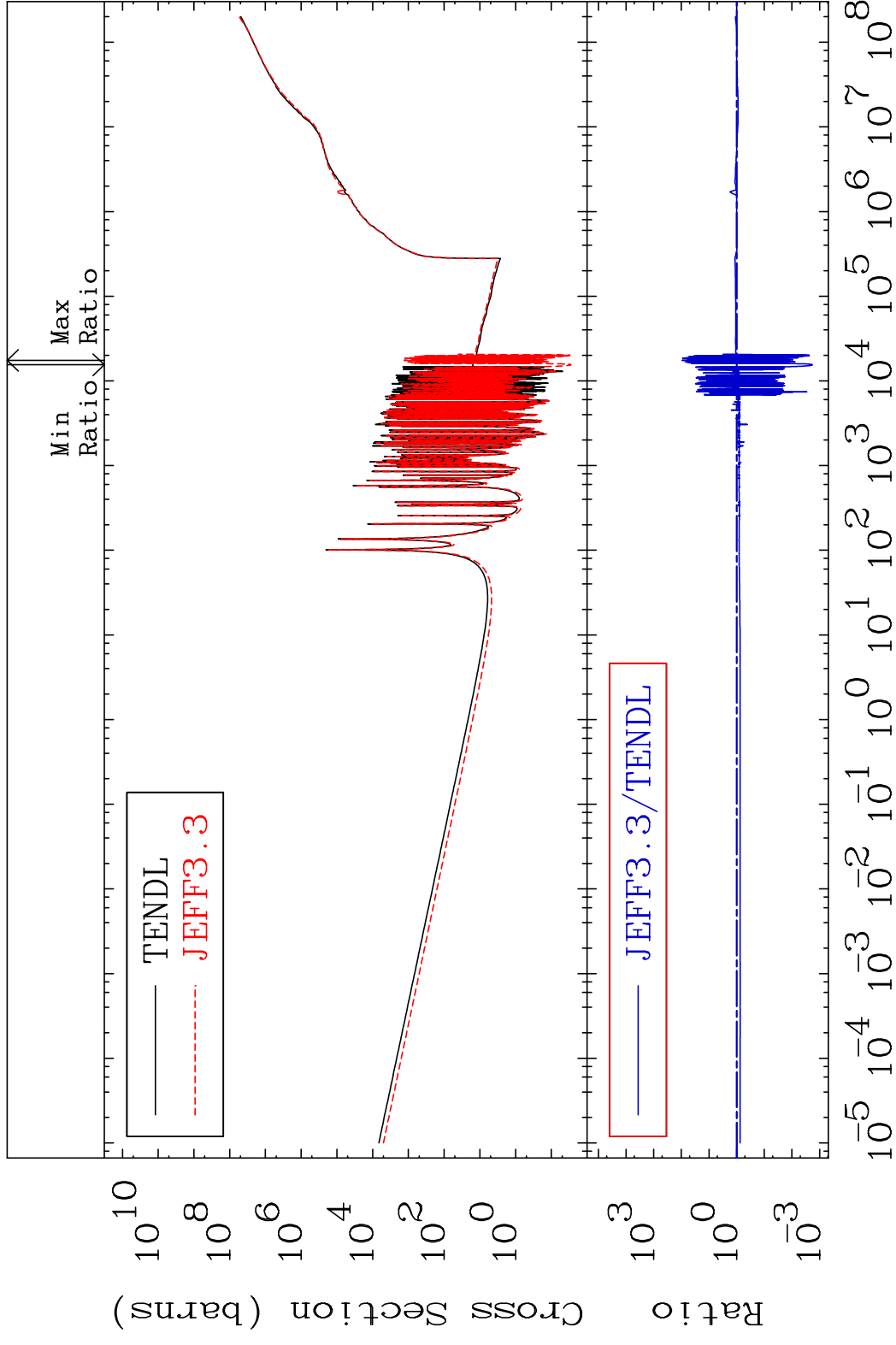


68

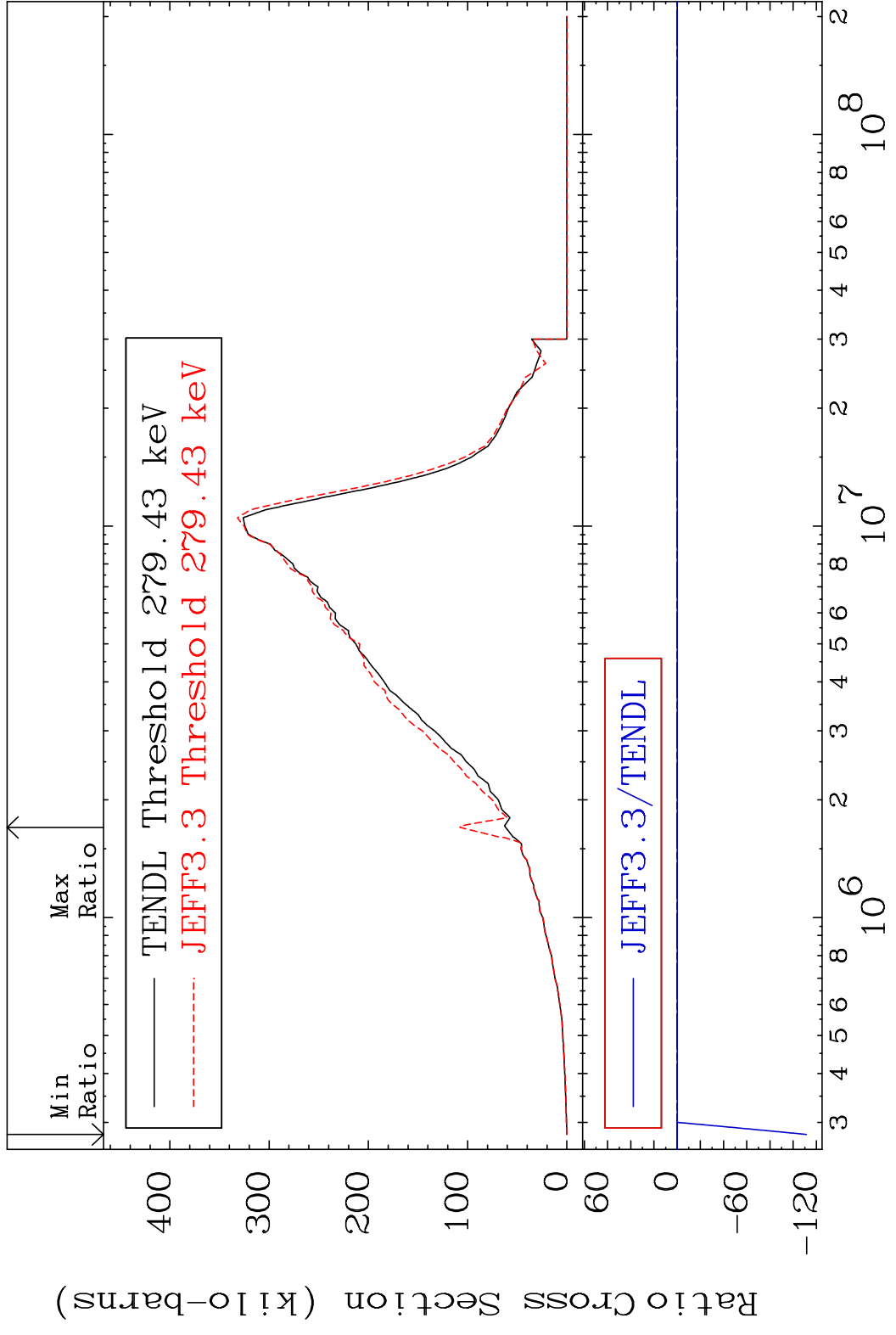
Incident Energy (eV)

35-Br-81

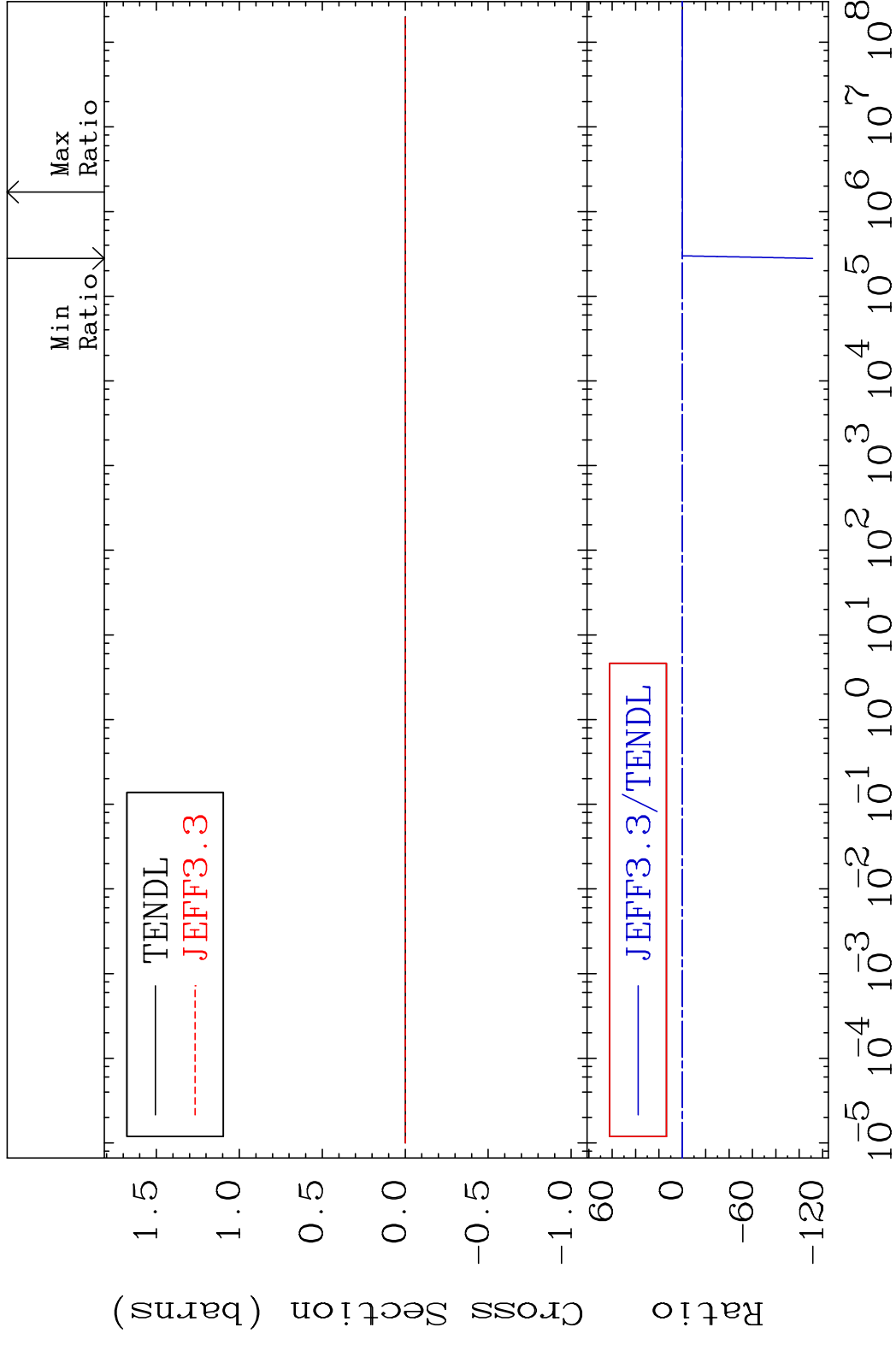
MAT 3531 Kerma non-elastic (all but mt2) 35-Br-81
 Cross Section -99.82 To 9099. %



MAT 3531 Kerma inelastic (mt51-91) 35-Br-81
 Cross Section -9999. To 74.60 %



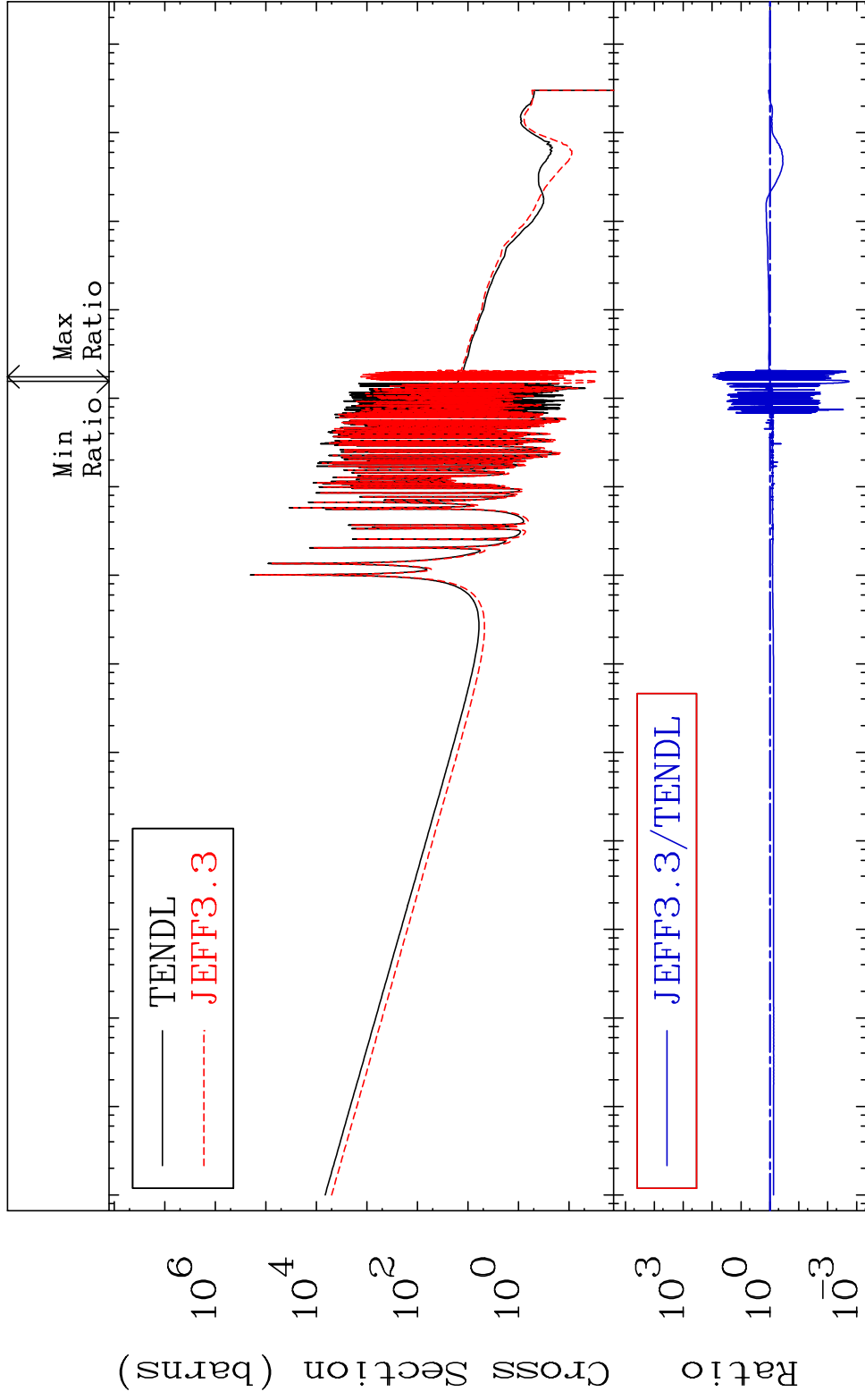
MAT 3531 Kerma fission (mt18 or mt19-20-21-38) 35-Br-81
 Cross Section -9999. To 74.60 %



MAT 3531

Kerma capture (mt102) 35-Br-81

Cross Section -99.82 To 9099. %

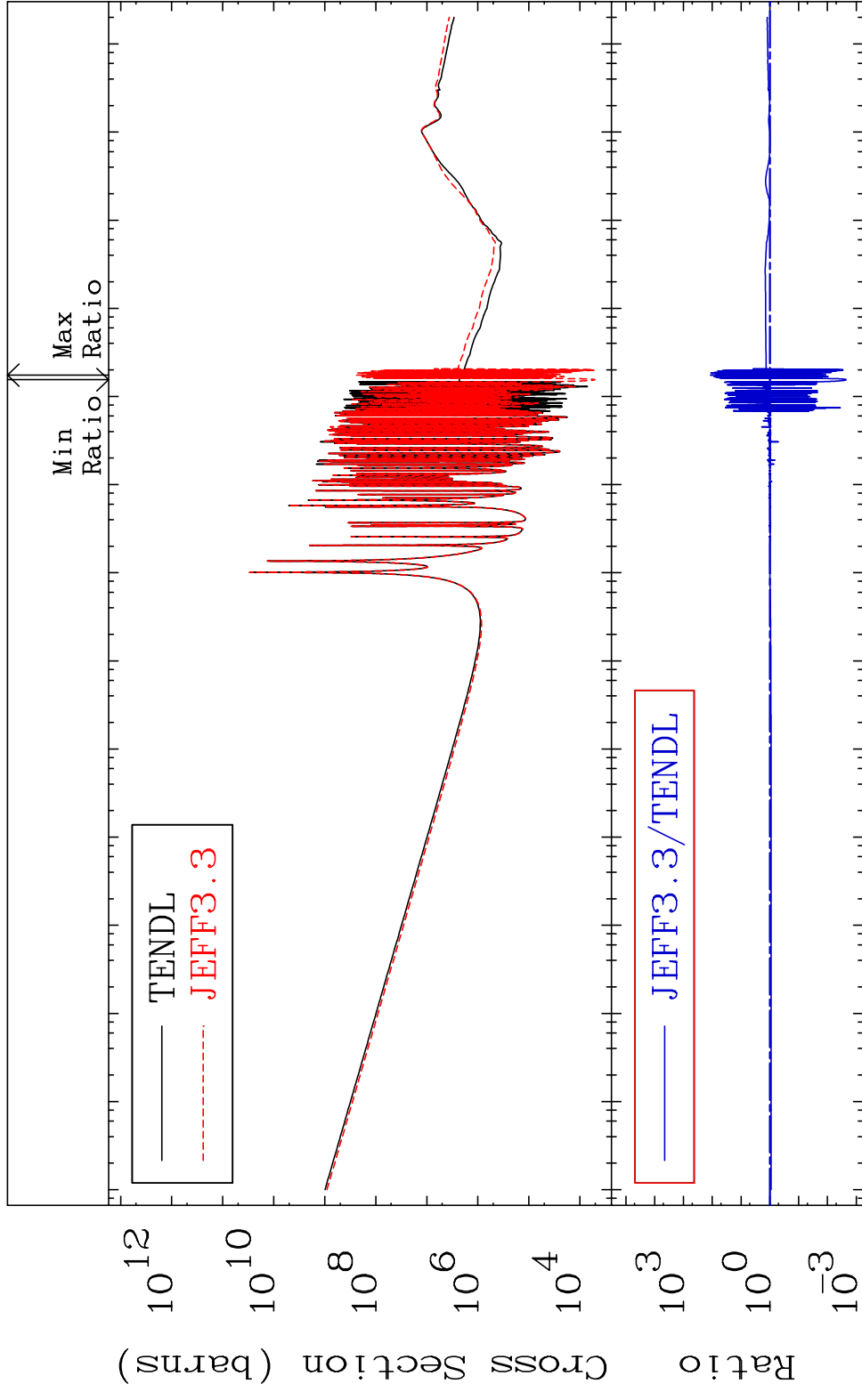


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Incident Energy (eV)

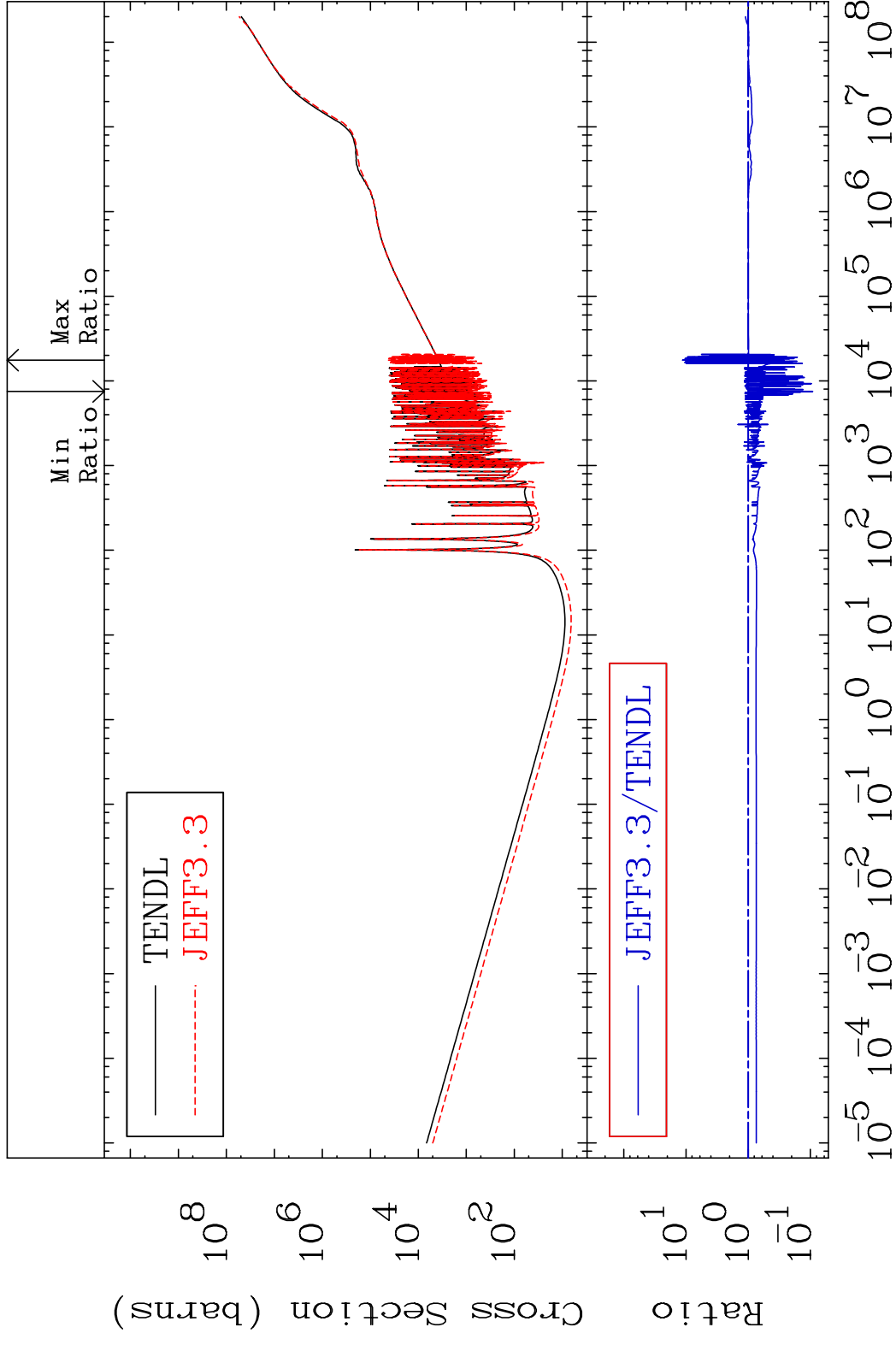
35-Br-81

MAT 3531 Total photon (eV-barns) 35-Br-81
Cross Section -99.78 To 9999. %



73 Incident Energy (eV) 35-Br-81

MAT 3531 Total kinematic kerma (high limit) 35-Br-81
 Cross Section -90.78 To 1047. %

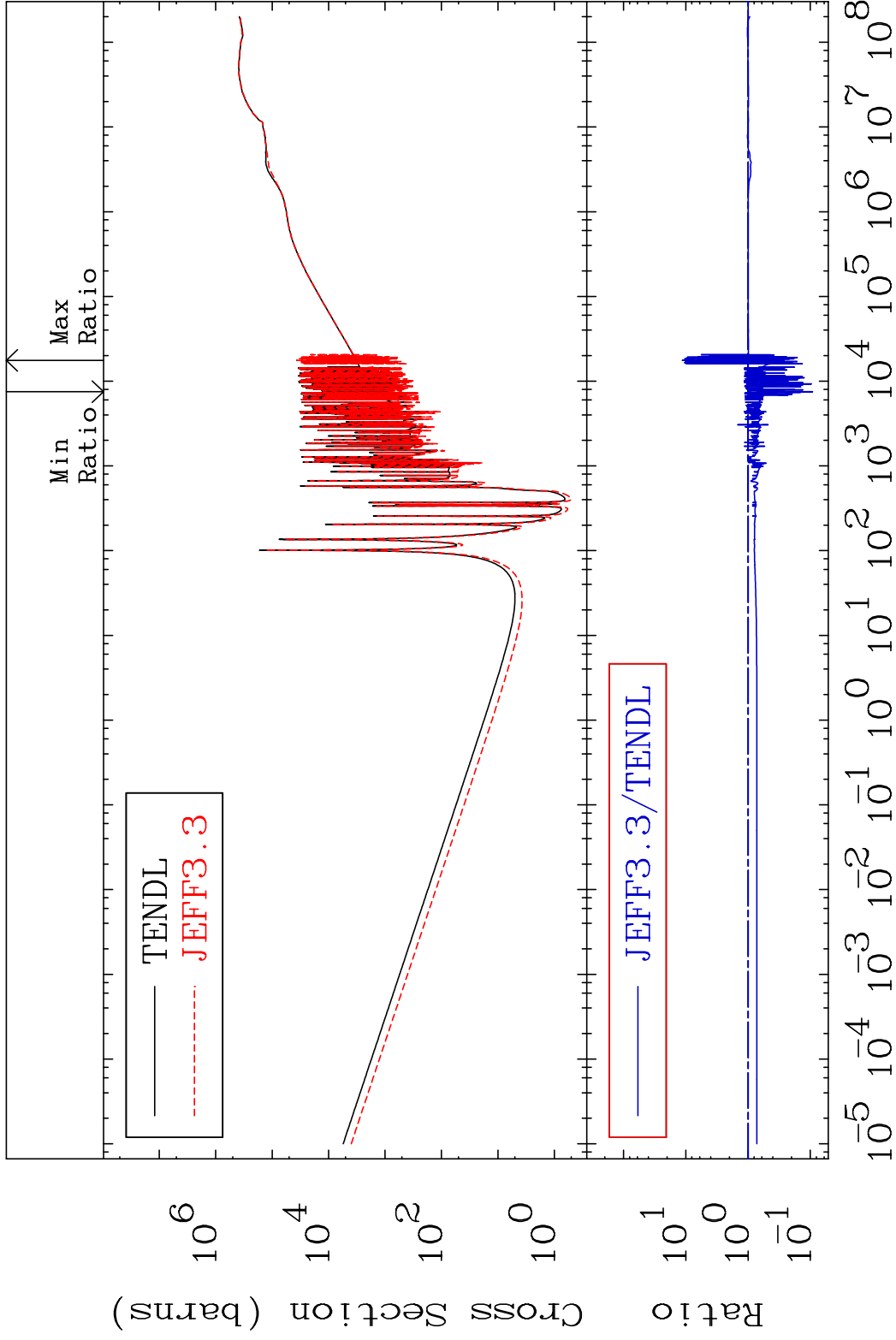


MAT 3531

Dpa total (eV-barns)

35-Br-81

Cross Section -90.777 To 1046. %



75

Incident Energy (eV)

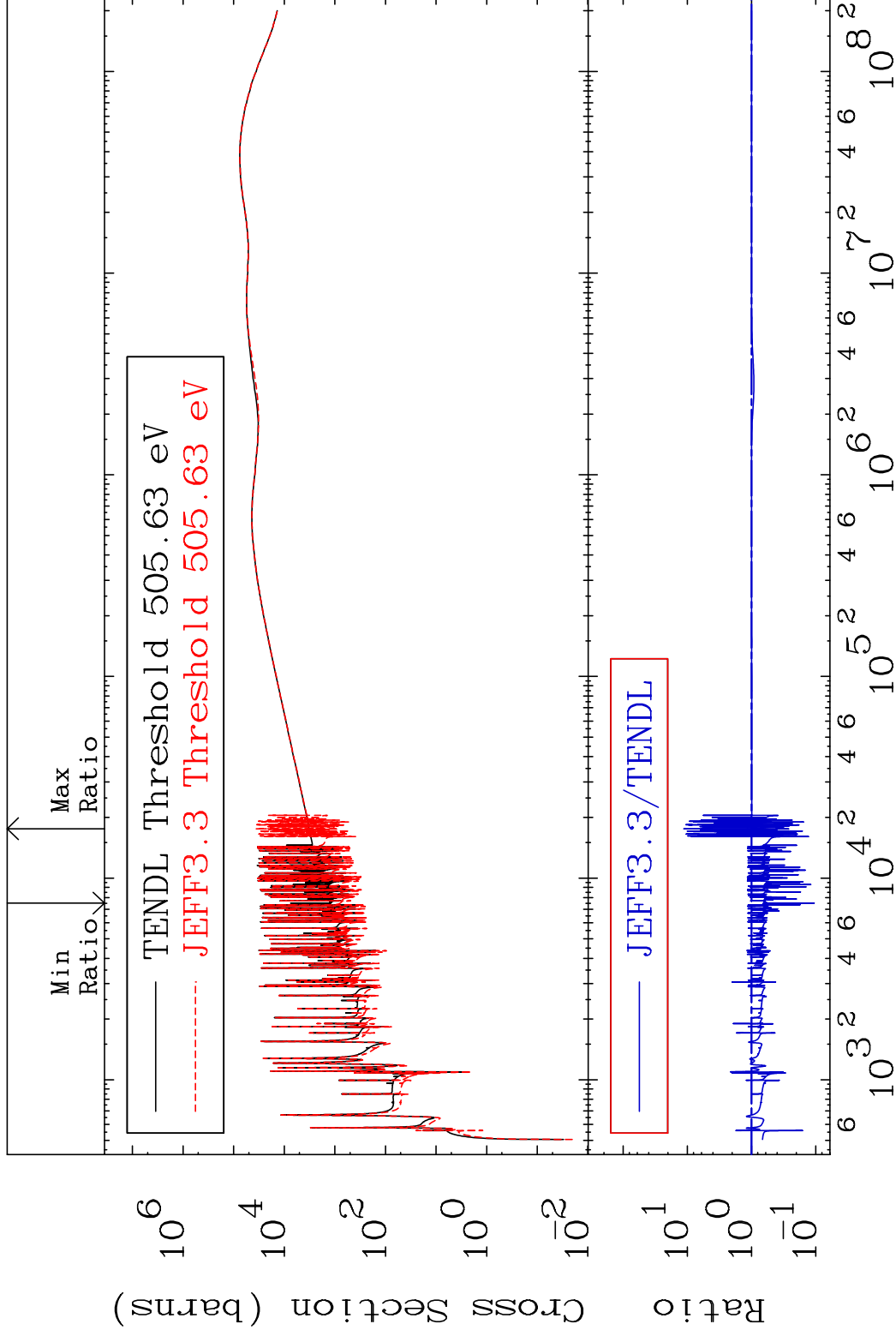
35-Br-81

MAT 3531

Dpa elastic (mt2)

35-Br-81

Cross Section -89.39 To 1042. %

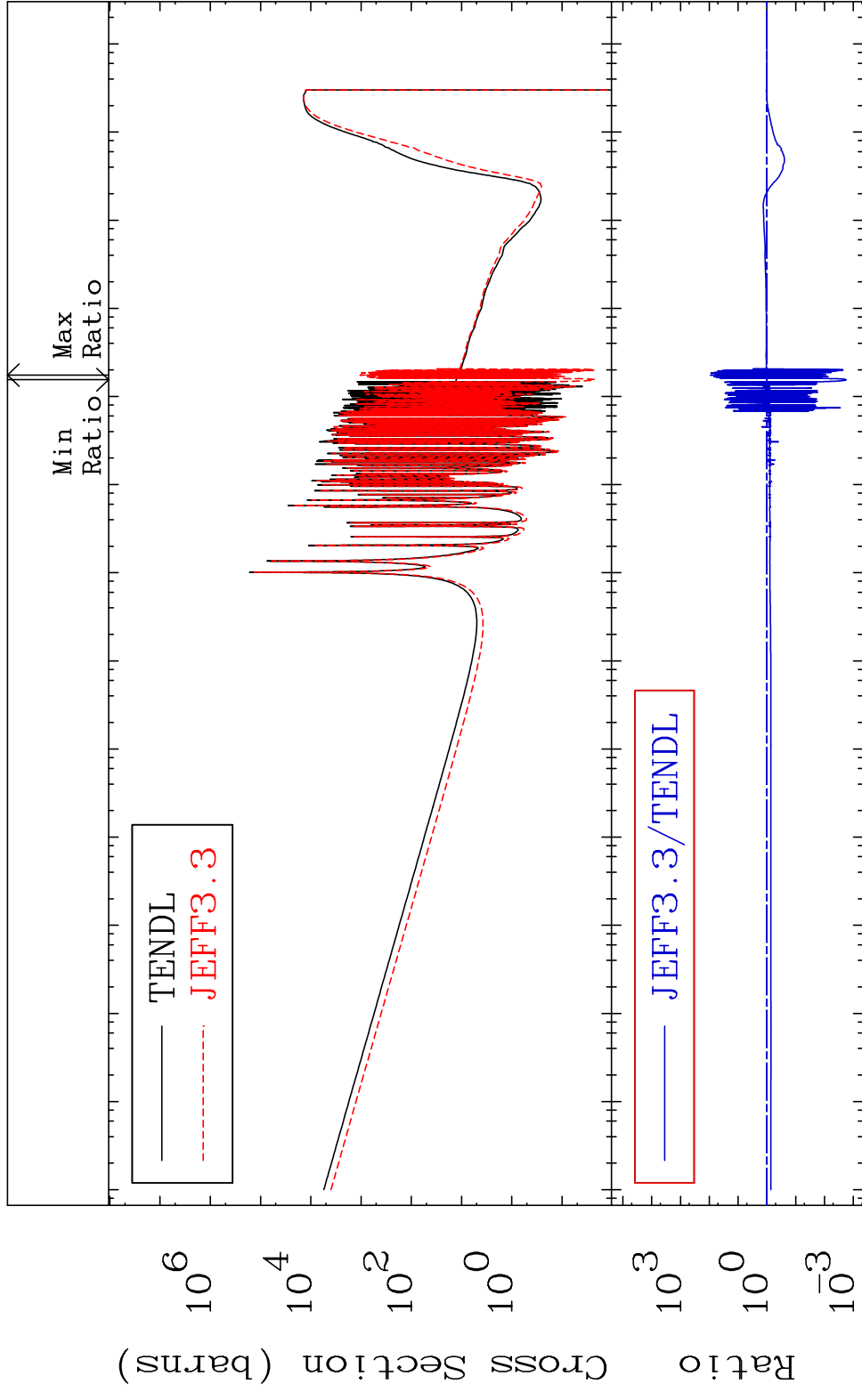


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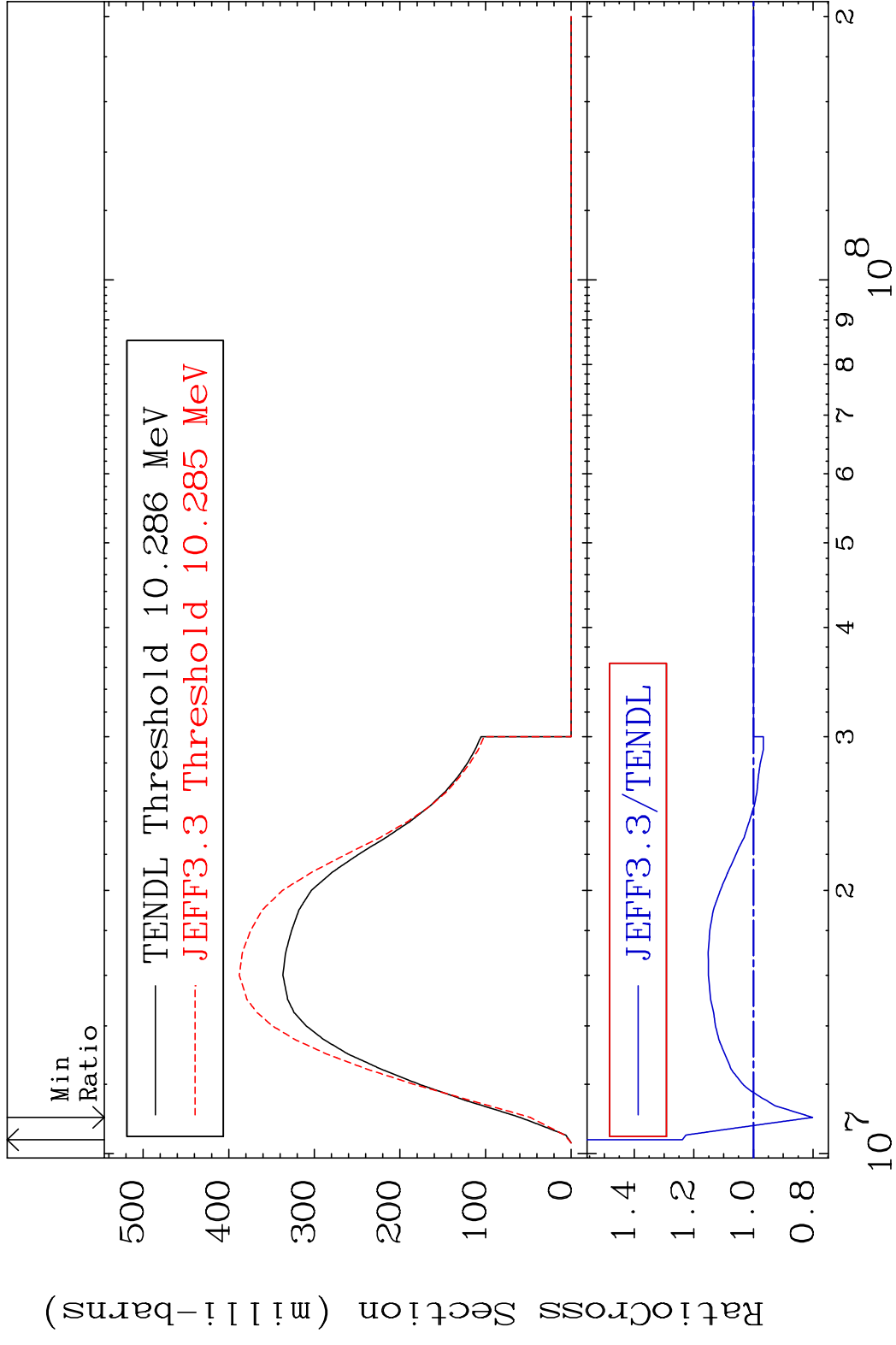
Incident Energy (eV)

35-Br-81

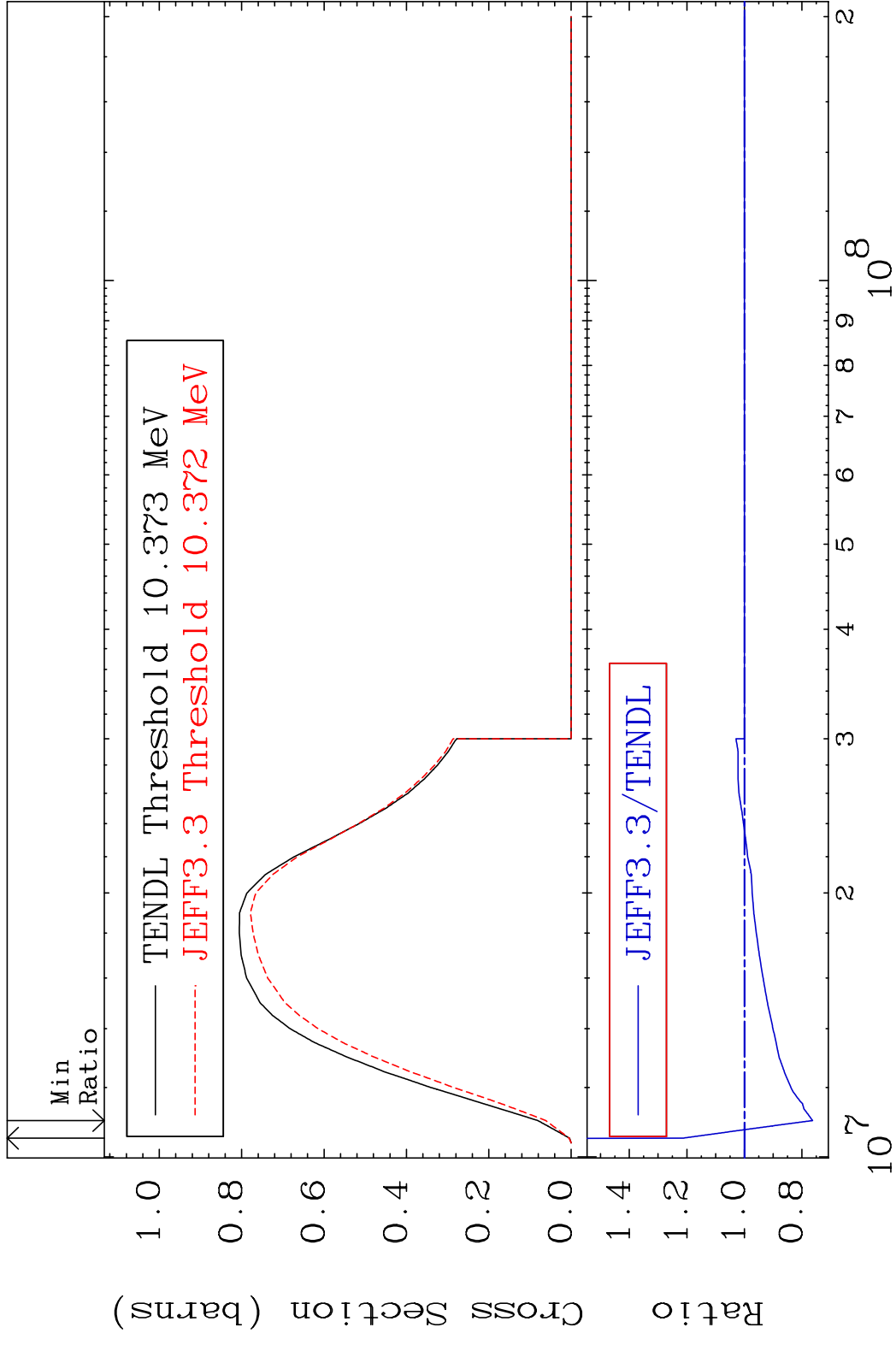
MAT 3531 Dpa disappearance (mt102 -120) 35-Br-81
 Cross Section -99.83 To 8820. %



MAT 3531 (n,2n):35-Br-80g 35-Br-81
 Radionuclide Production Cross Section 23.85 %

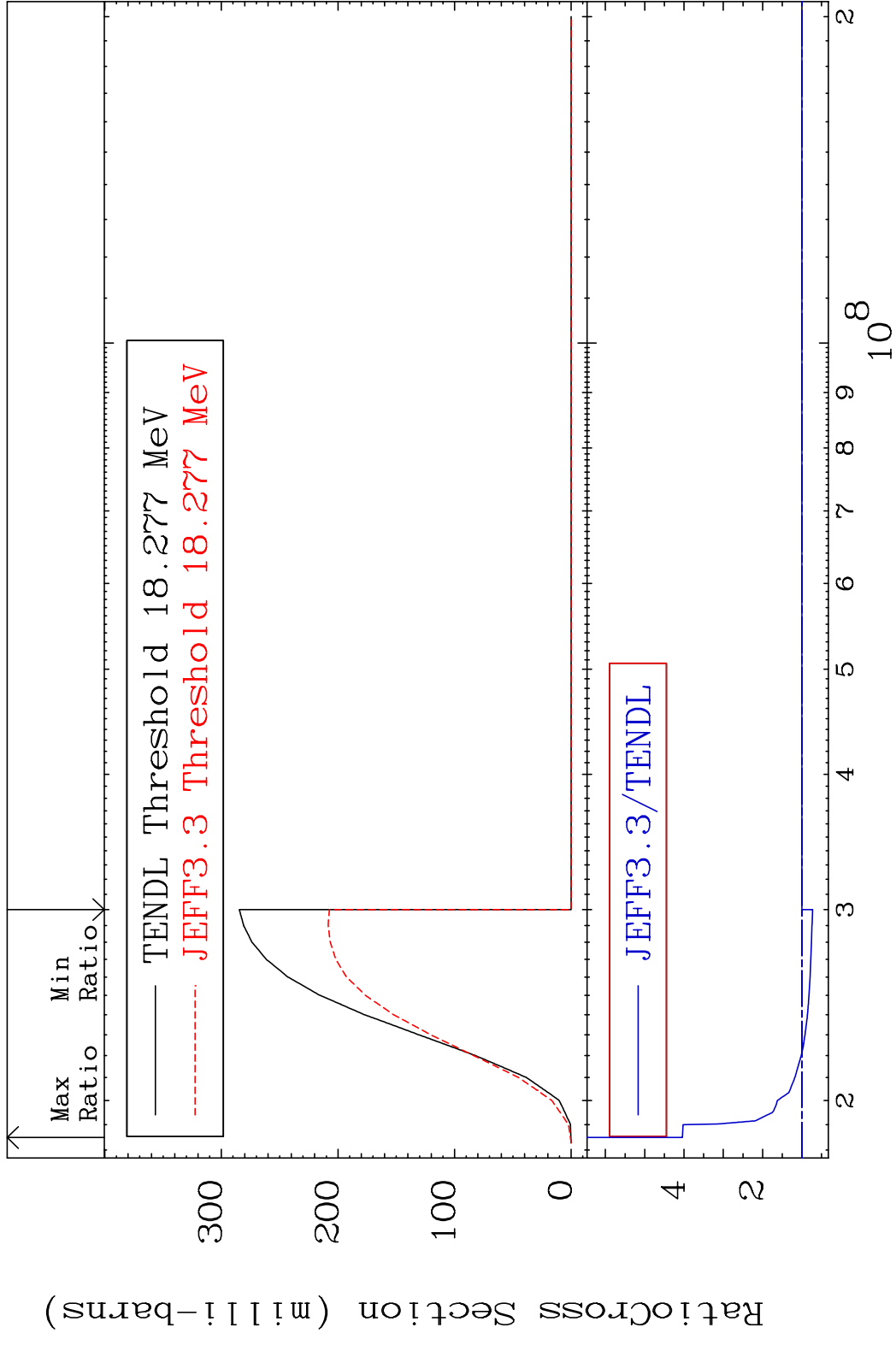


MAT 3531 (n,2n):35-Br-80m2 35-Br-81
 Radionuclide Production Cross Section 21.56 %



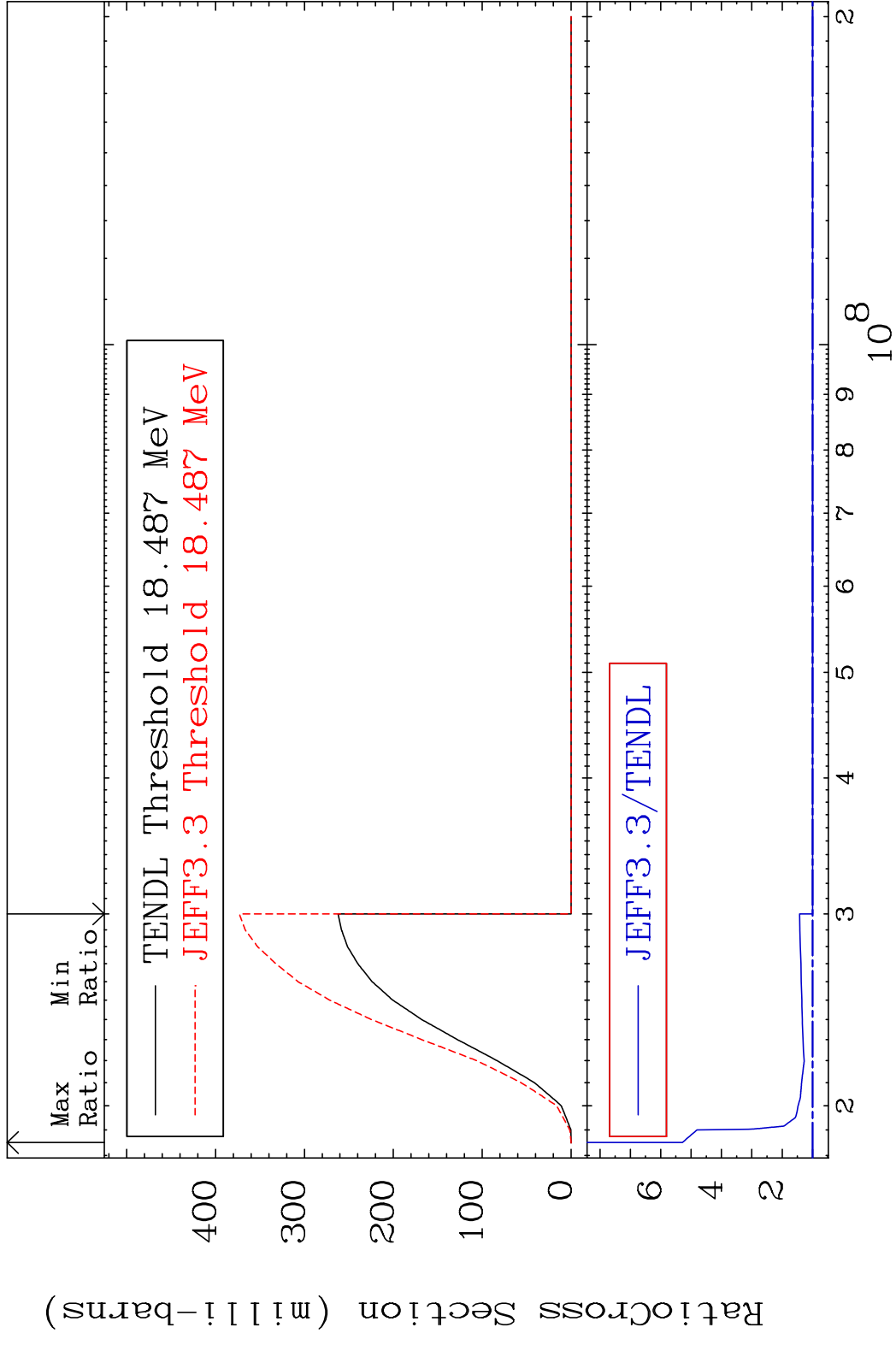
80 Incident Energy (eV) 35-Br-81

MAT 3531 (n,3n):35-Br-79g 35-Br-81
 Radionuclide Production Cross Section 304.2 %

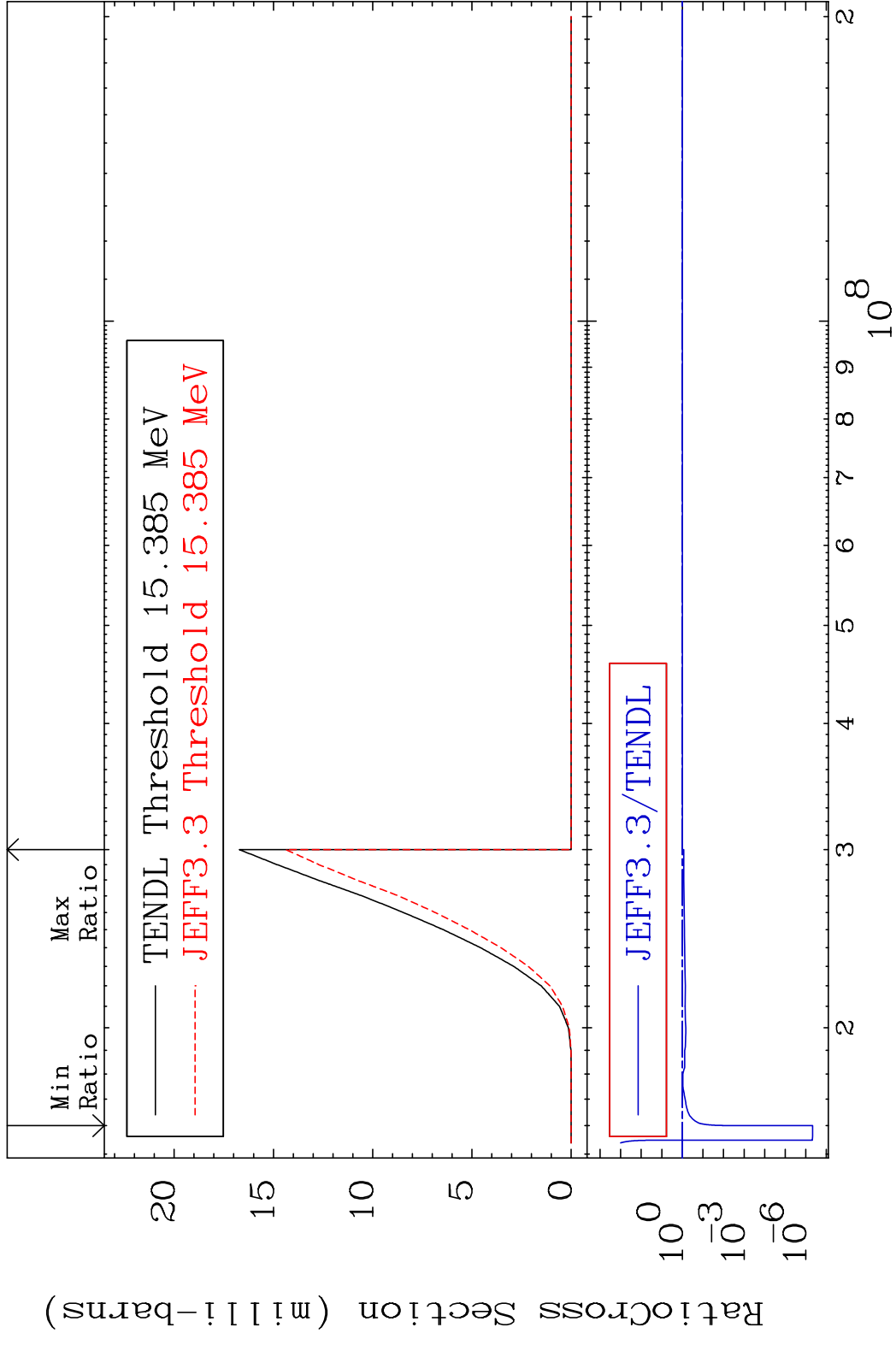


81 Incident Energy (eV) 35-Br-81

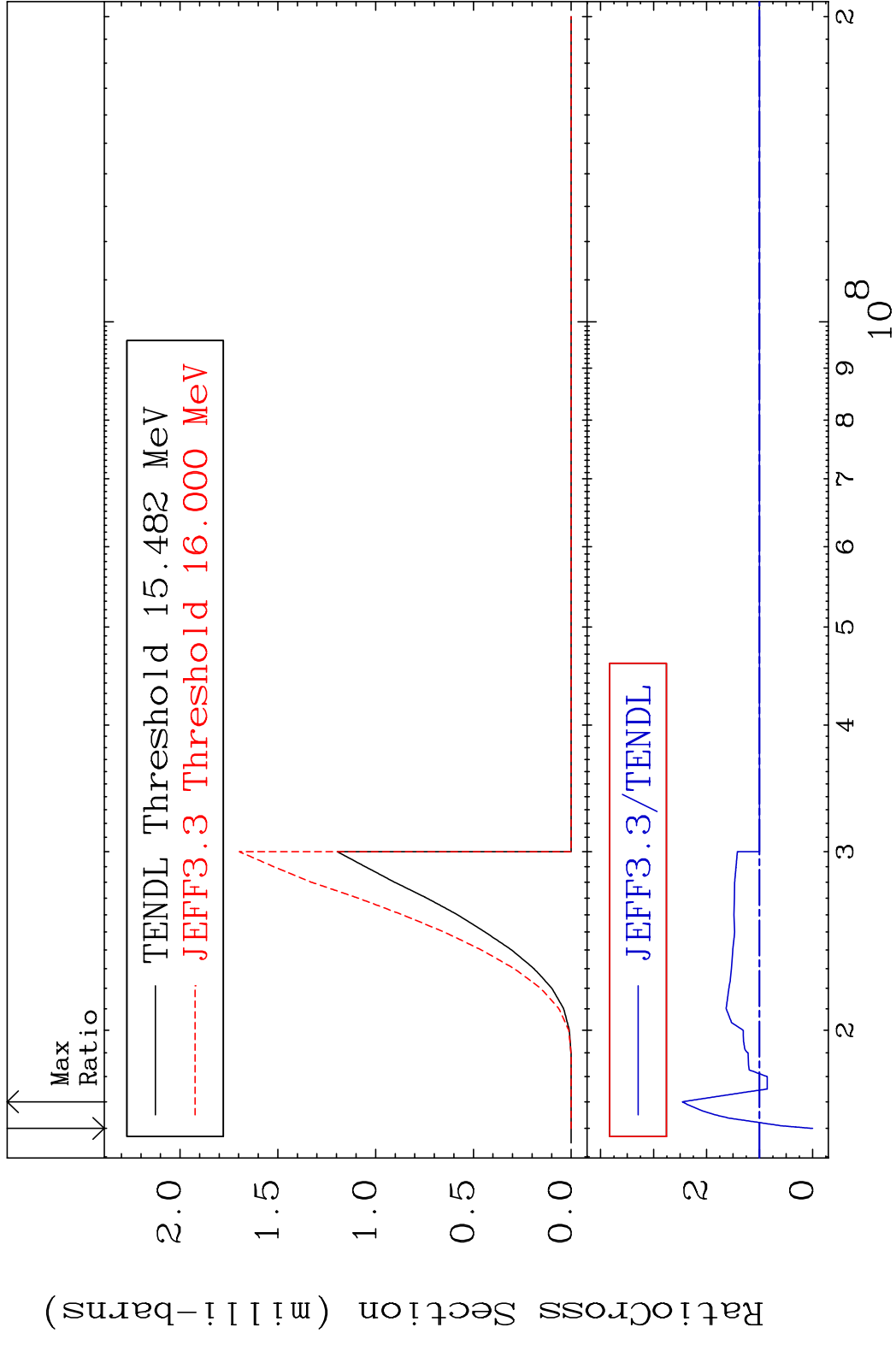
MAT 3531 (n,3n):35-Br-79m1 35-Br-81
 Radionuclide Production Cross Section 428.7 %



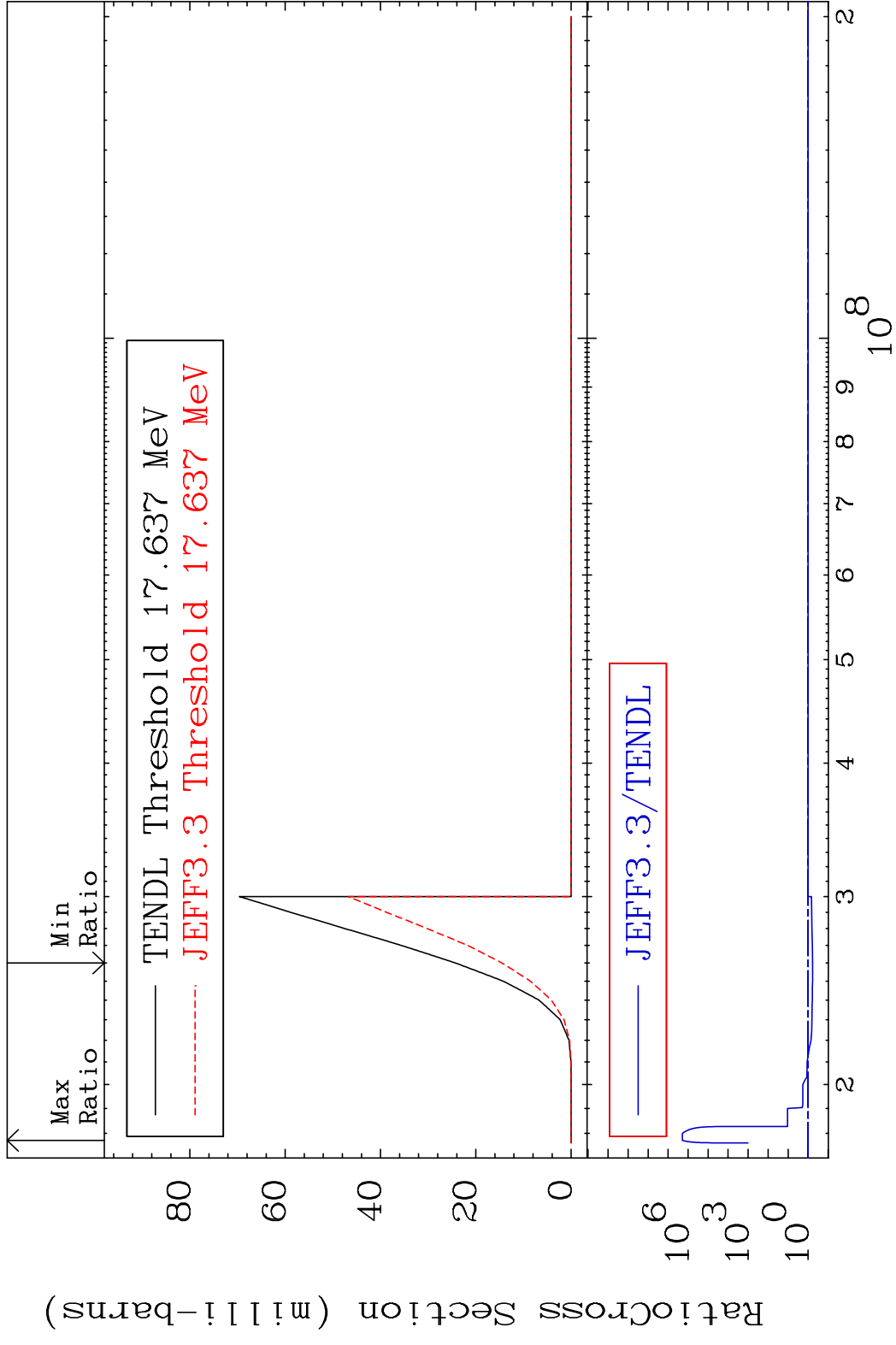
MAT 3531 (n, n') d:34-Se-79g 35-Br-81
 Radionuclide Production Cross Section 18000 dtd 0.000 %

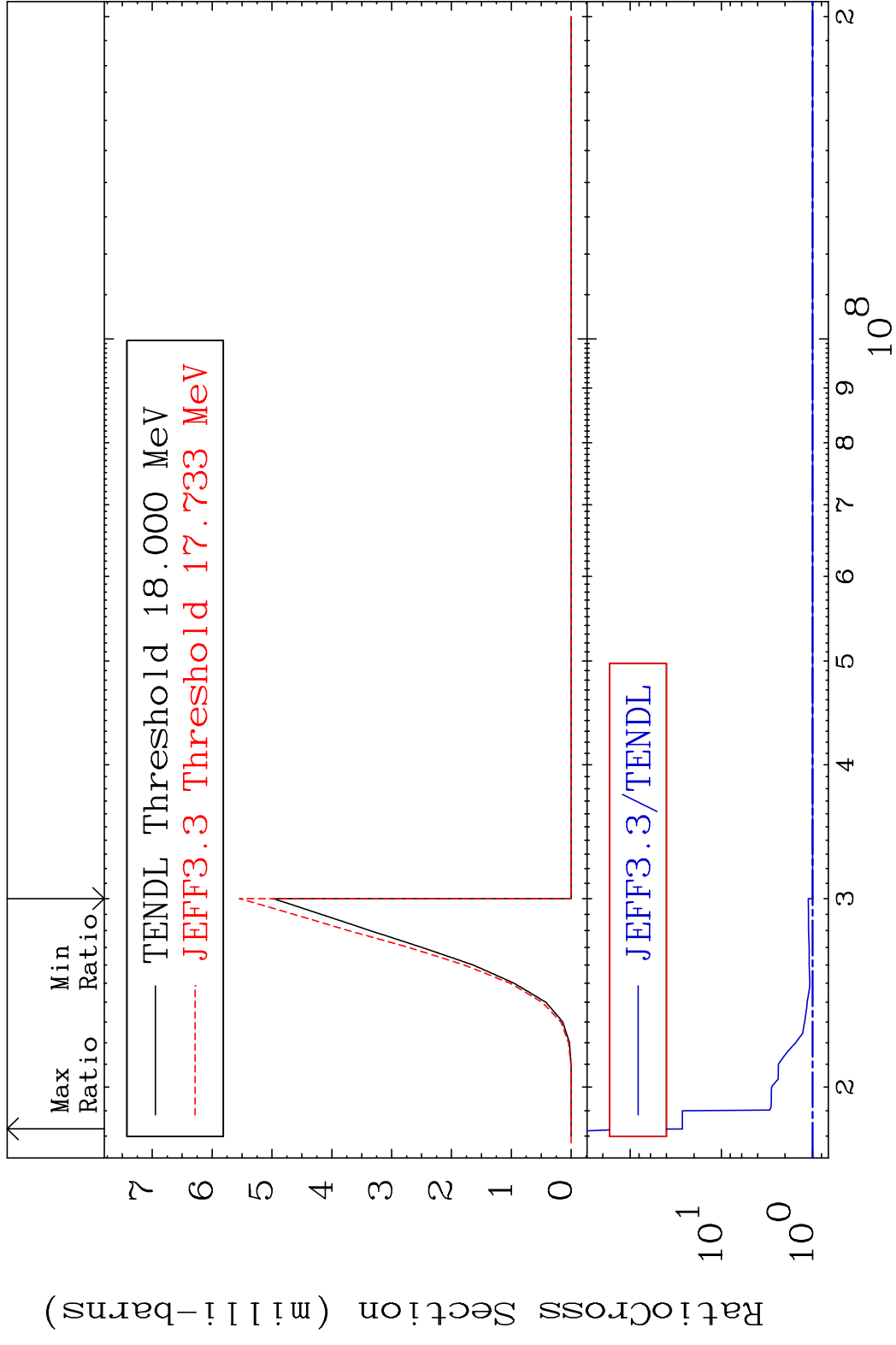


MAT 3531 (n, n') d:34-Se-79m1 35-Br-81
 Radionuclide Production Cross Section 180.0 dno 145.7 %

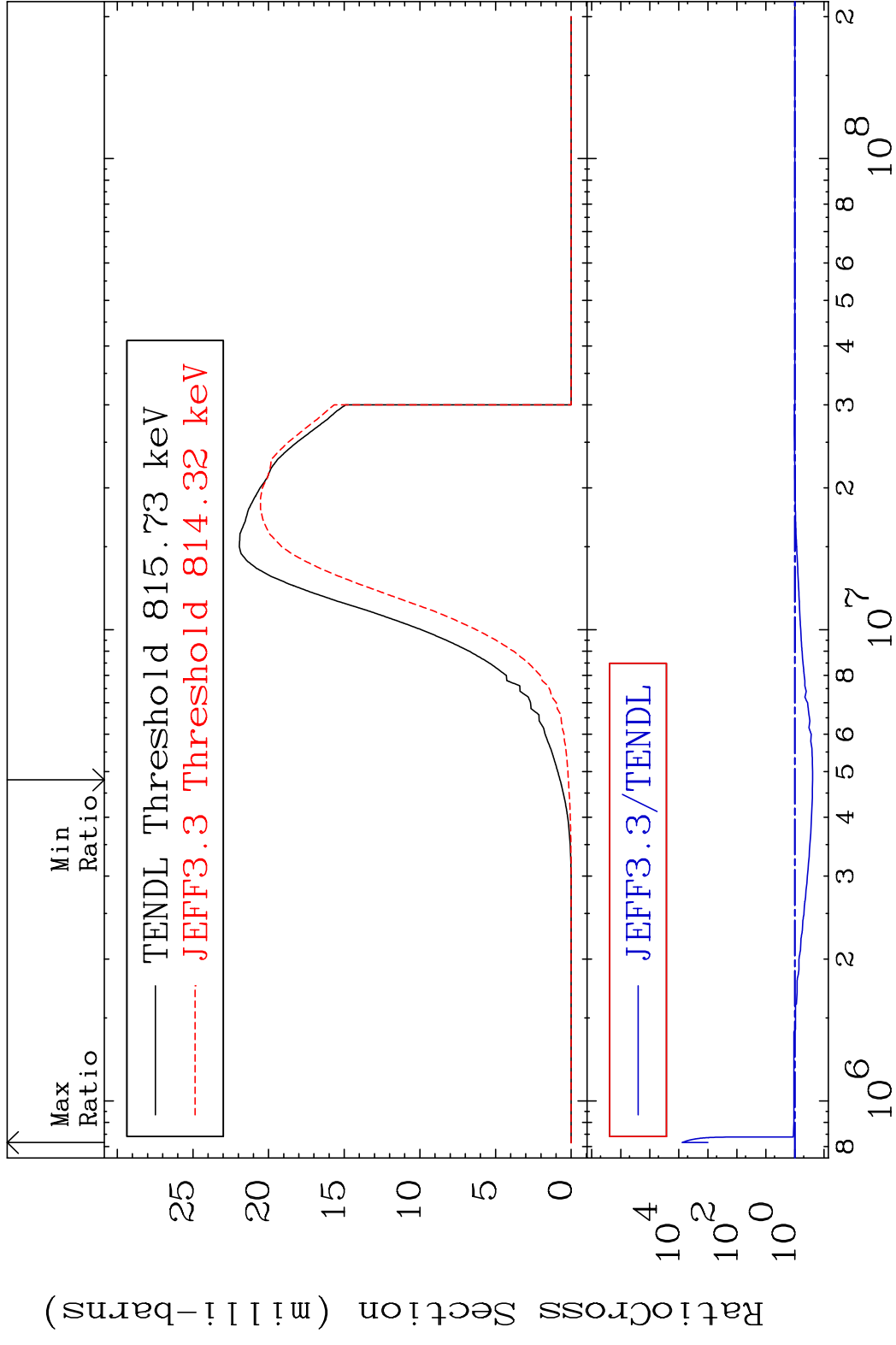


MAT 3531 (n,2n) p:34-Se-79g 35-Br-81
 Radionuclide Production Cross Section 48.41 d to 9999. %

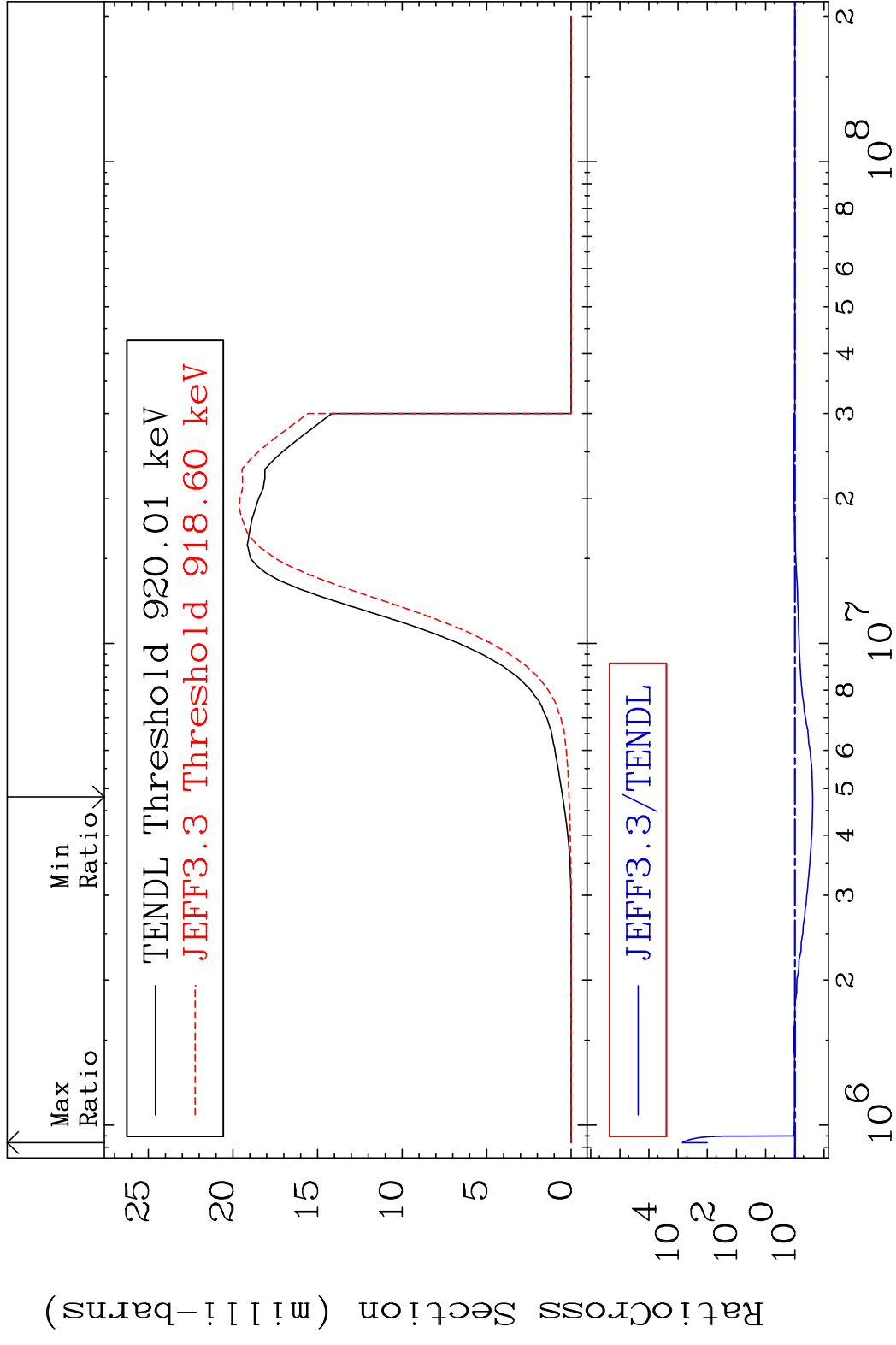




MAT 3531 (n,p):34-Se-81g 35-Br-81
 Radionuclide Production Cross Section to 9999. %

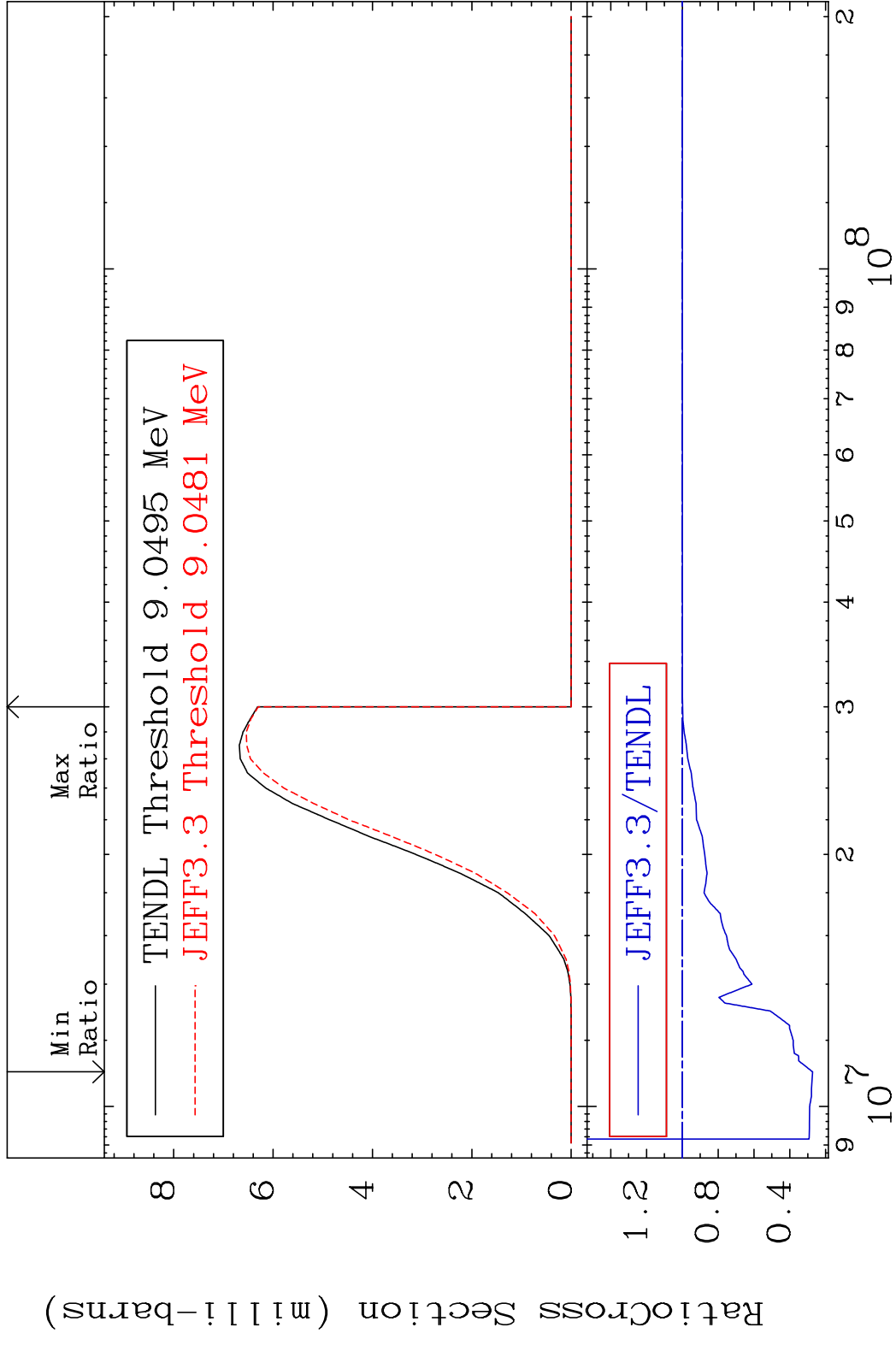


MAT 3531 (n,p):34-Se-81m1 35-Br-81
 Radionuclide Production Cross Section 9999. %



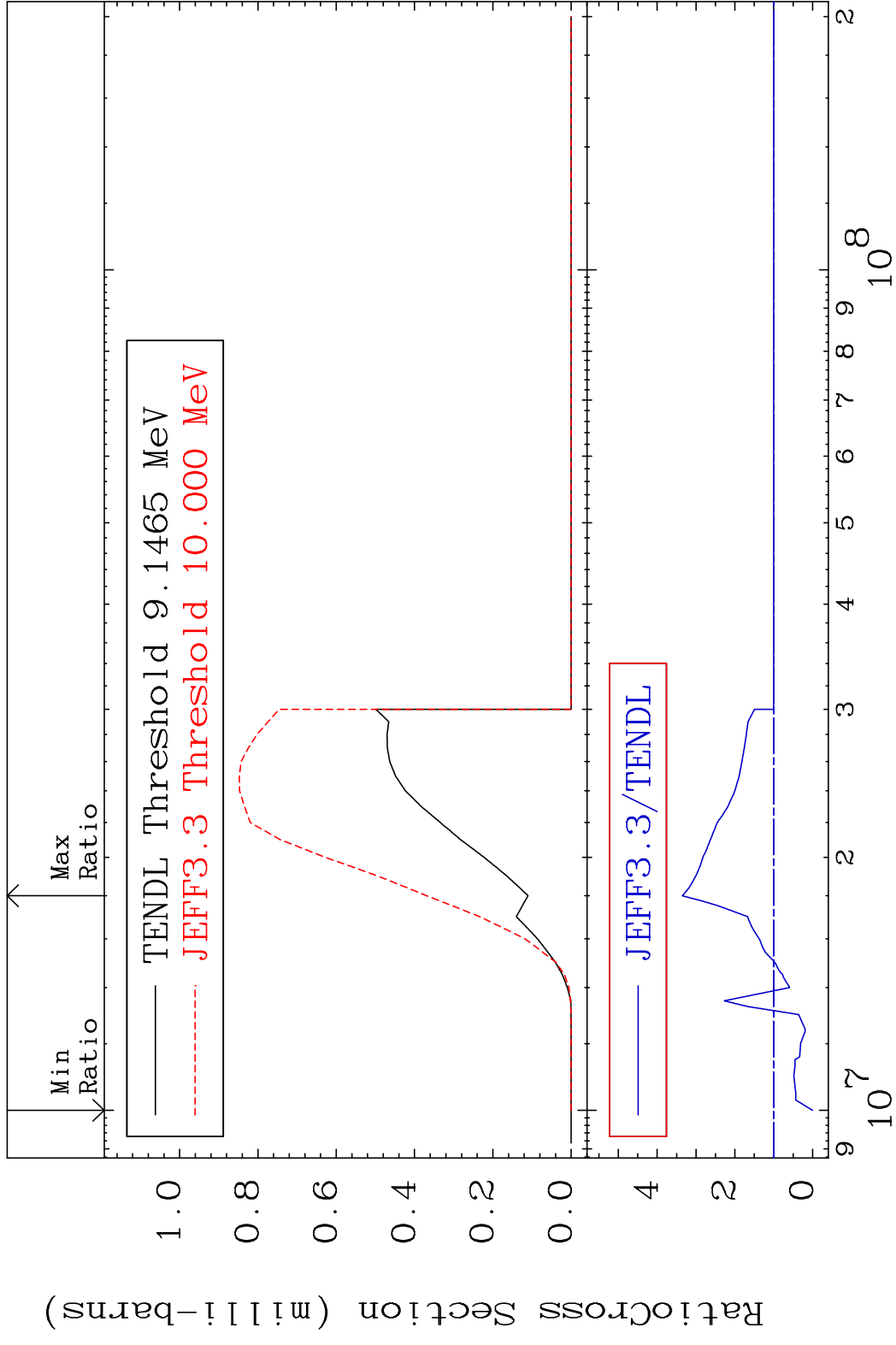
88 Incident Energy (eV) 35-Br-81

MAT 3531 (n, t):34-Se-79g 35-Br-81
 Radionuclide Production Cross Section 0.000 %



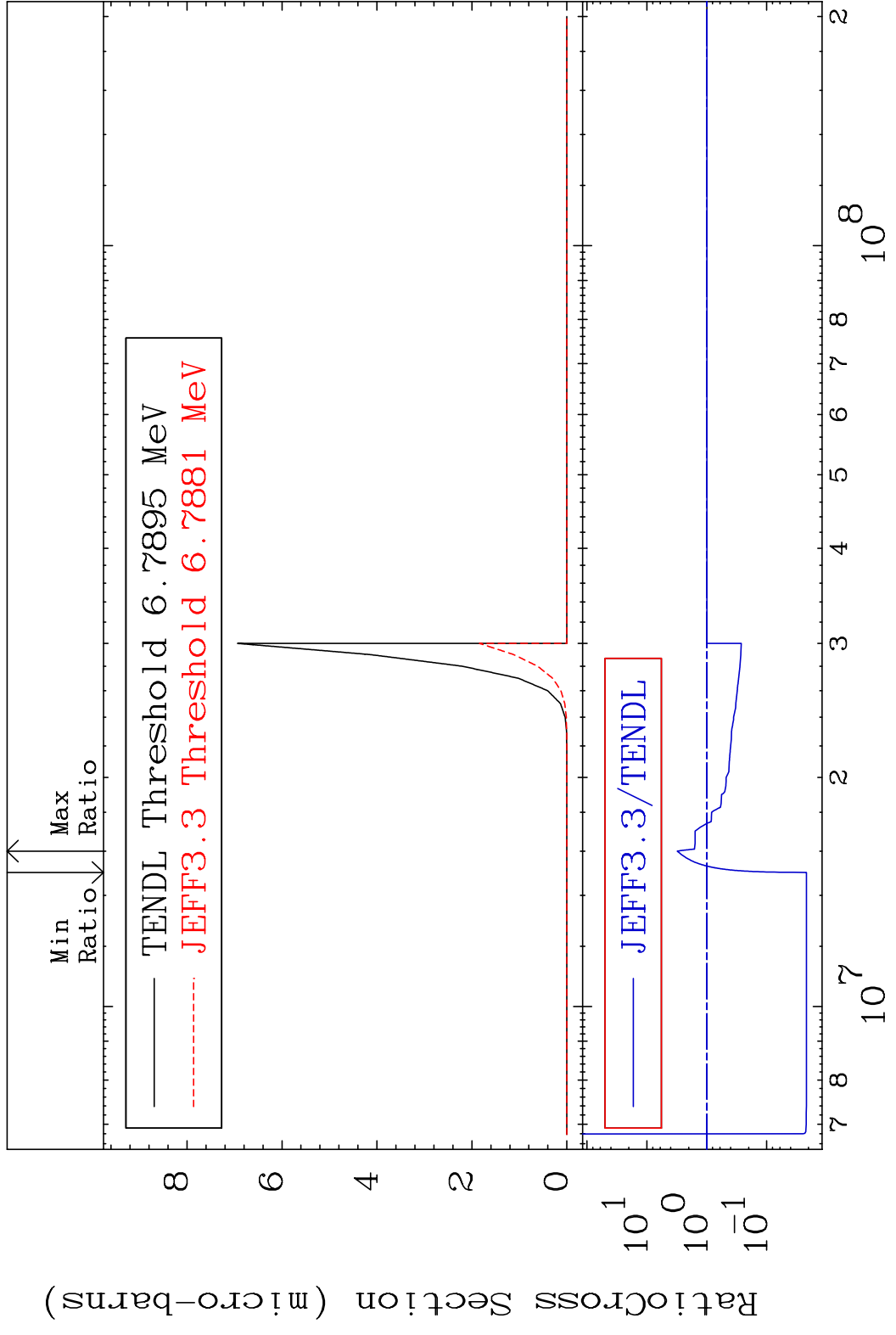
89 Incident Energy (eV) 35-Br-81

MAT 3531 (n, t):34-Se-79m1 35-Br-81
 Radionuclide Production Cross Section 180.01 dth 235.2 %

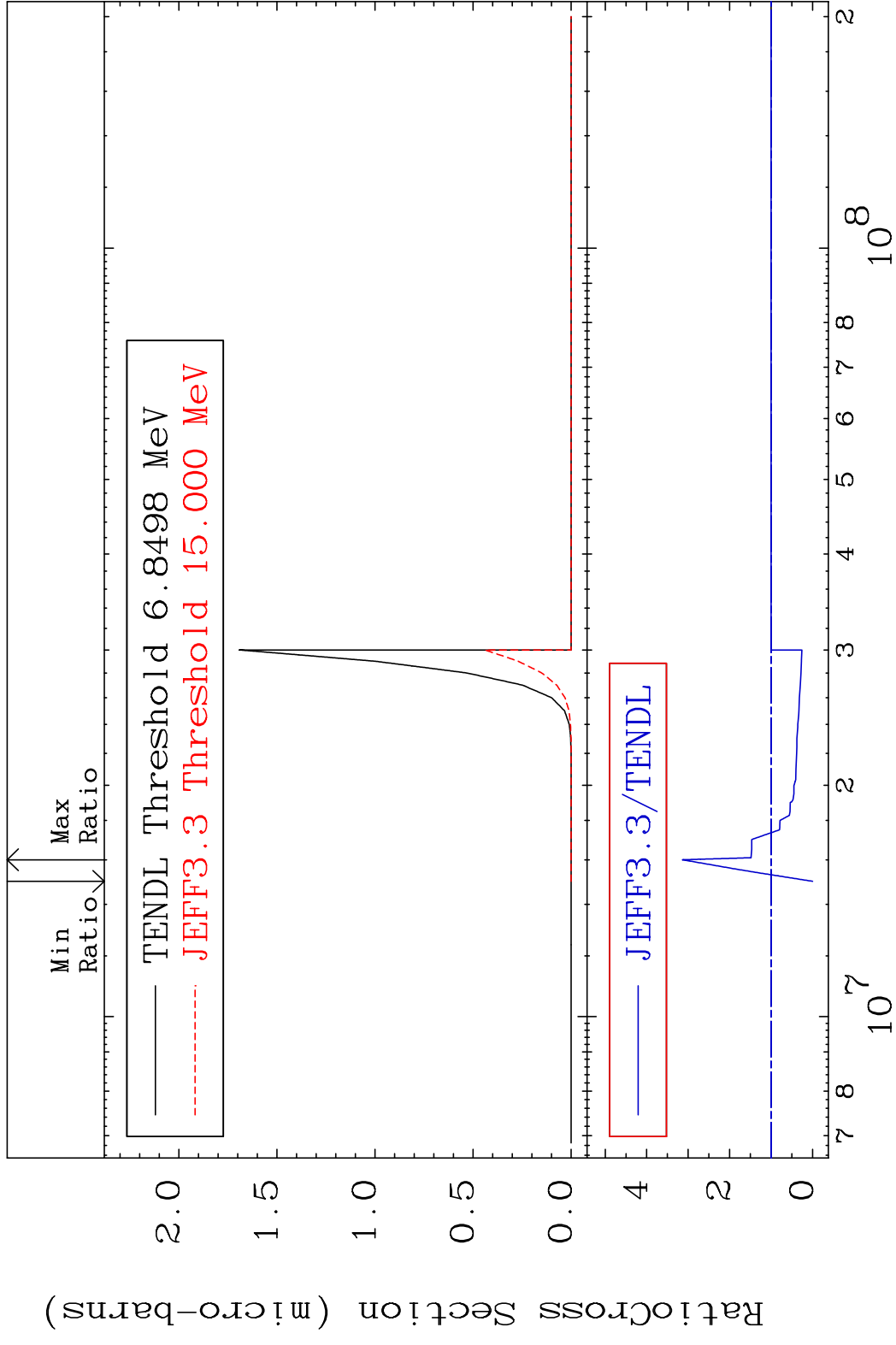


90 Incident Energy (eV) 35-Br-81

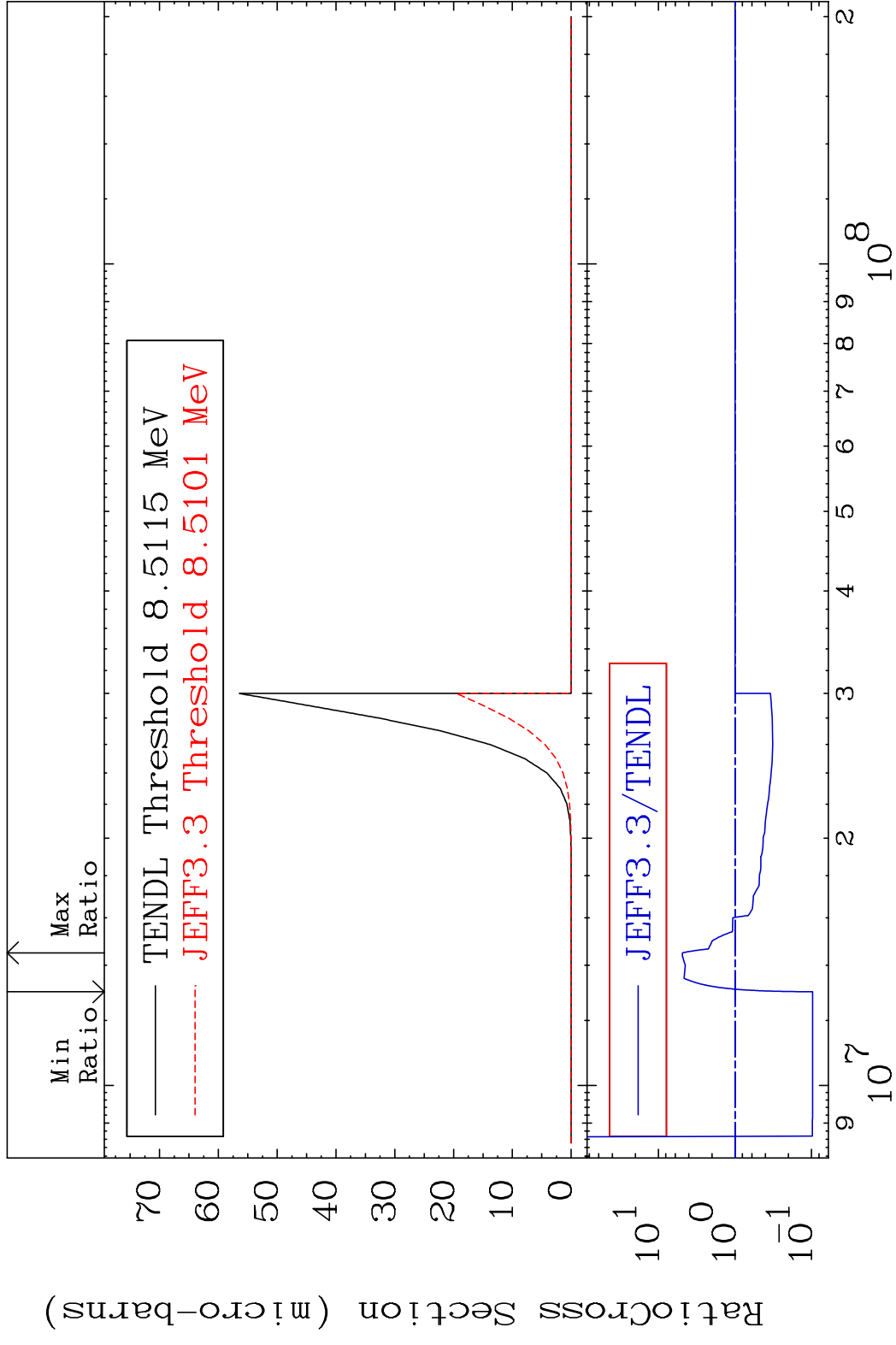
MAT 3531 (n,2α):31-Ga-74g 35-Br-81
 Radionuclide Production Cross Section 211.8 %



MAT 3531 (n,2α):31-Ga-74m2 35-Br-81
 Radionuclide Production Cross Section 180.0 dth 214.0 %



MAT 3531 (n, p) α :32-Ge-77g 35-Br-81
 Radionuclide Production Cross Section 386.6 %



MAT 3531 (n, p) α :32-Ge-77m1 35-Br-81
 Radionuclide Production Cross Section 180.0 dth 358.7 %

