

Program Complot
(Version 2021-1)

by

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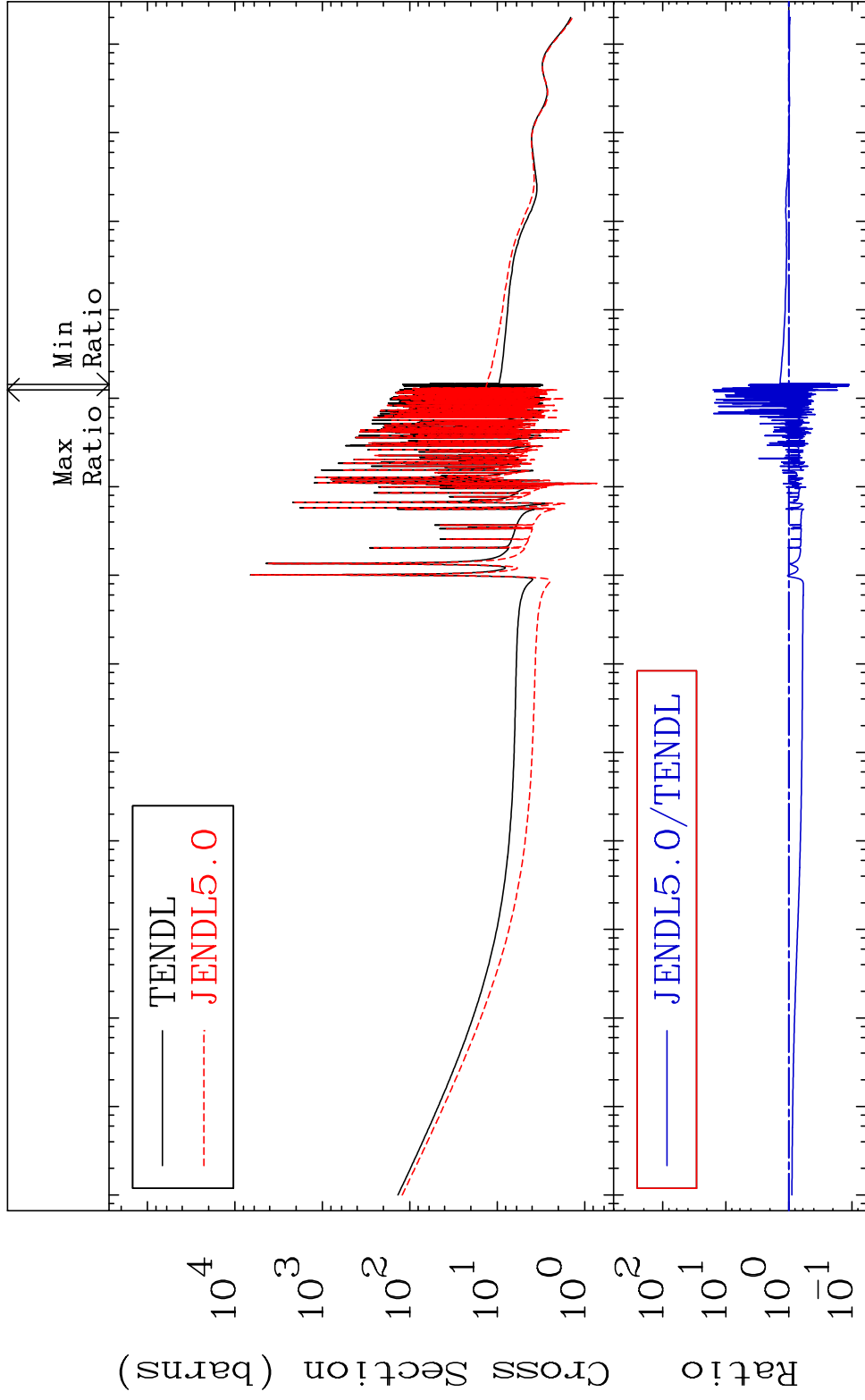
Press Mouse Button to Start

MAT 3531

Total

35-Br-81

Cross Section -89.00 To 1487. %



1

Incident Energy (eV)

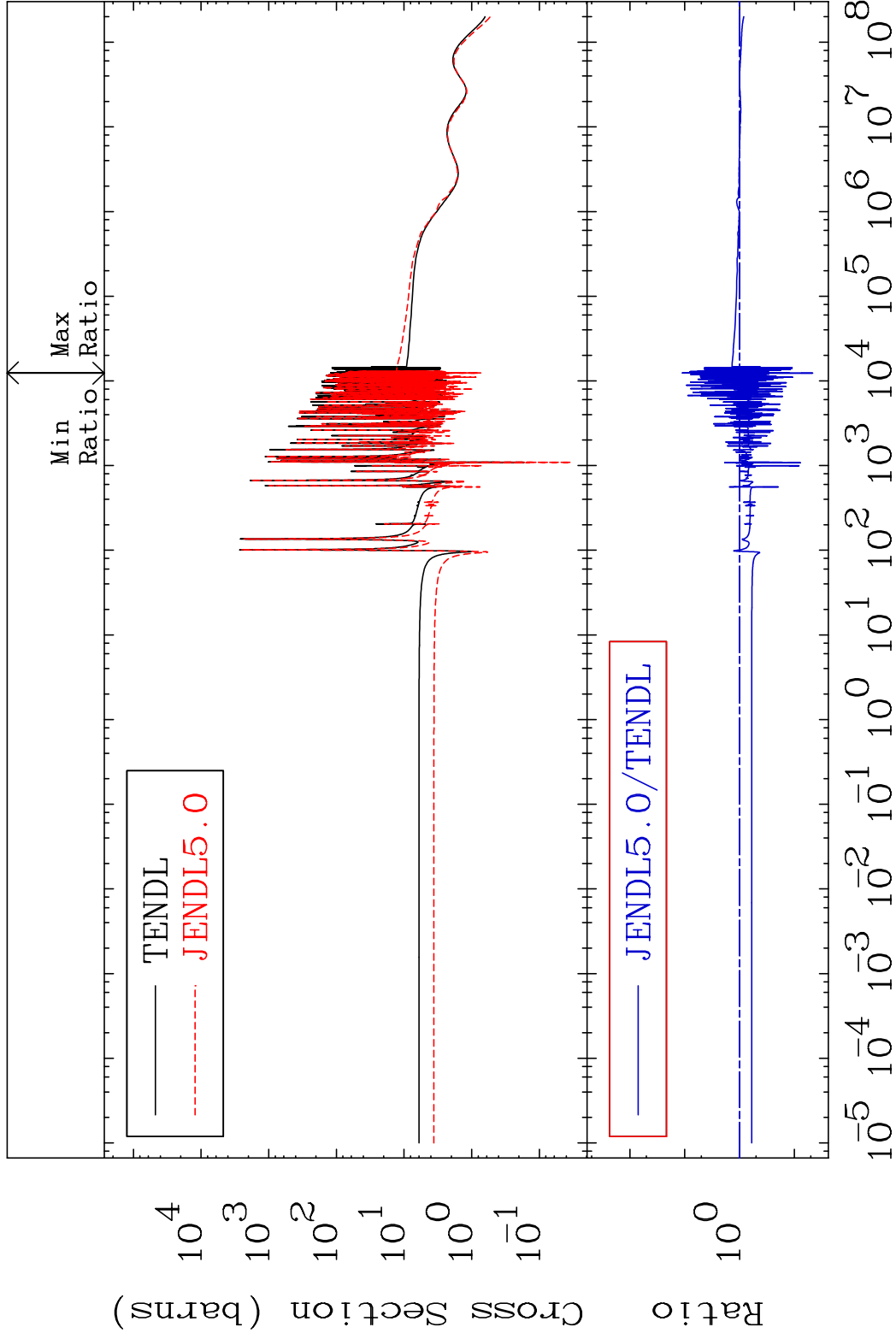
35-Br-81

MAT 3531

Elastic

35-Br-81

Cross Section -95.35 To 1006. %

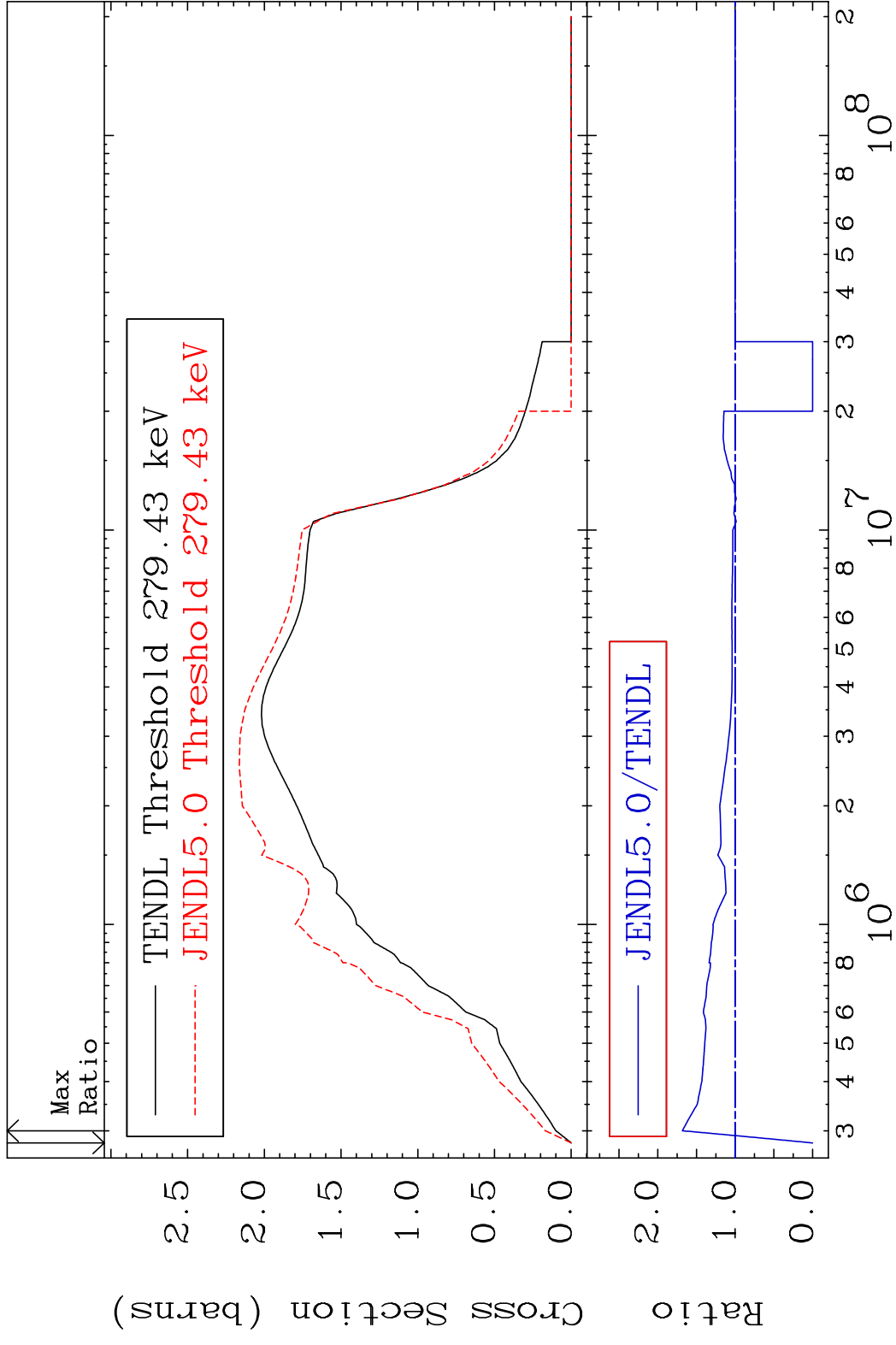


2

Incident Energy (eV)

35-Br-81

MAT 3531 Inelastic 35-Br-81
 Cross Section -100.0 To 68.21 %



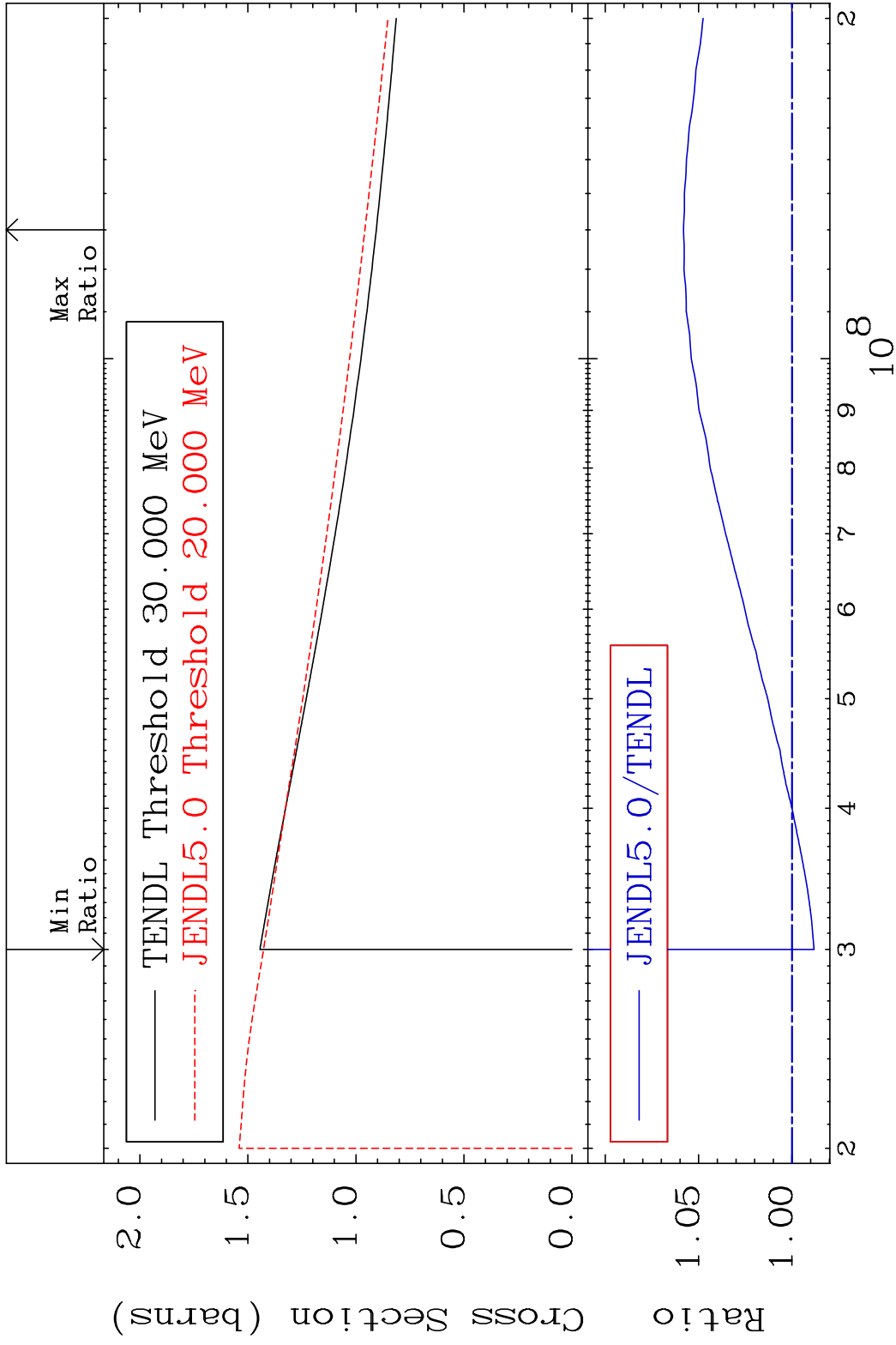
3 Incident Energy (eV) 35-Br-81

MAT 3531

(n, remainder)

35-Br-81

Cross Section -1.181 To 5.816 %



4

Incident Energy (eV)

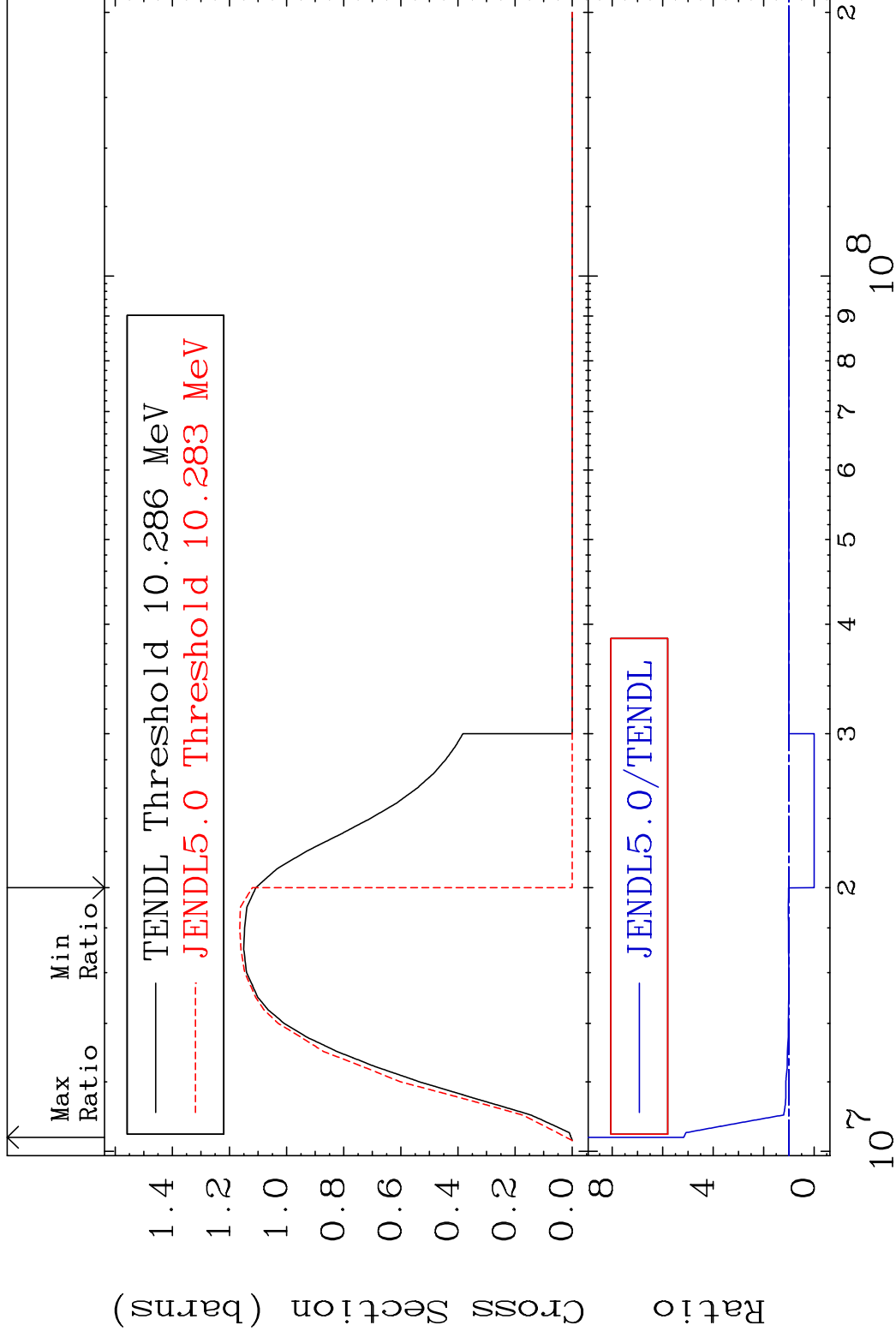
35-Br-81

MAT 3531

(n,2n)

35-Br-81

Cross Section -100.0 To 417.1 %

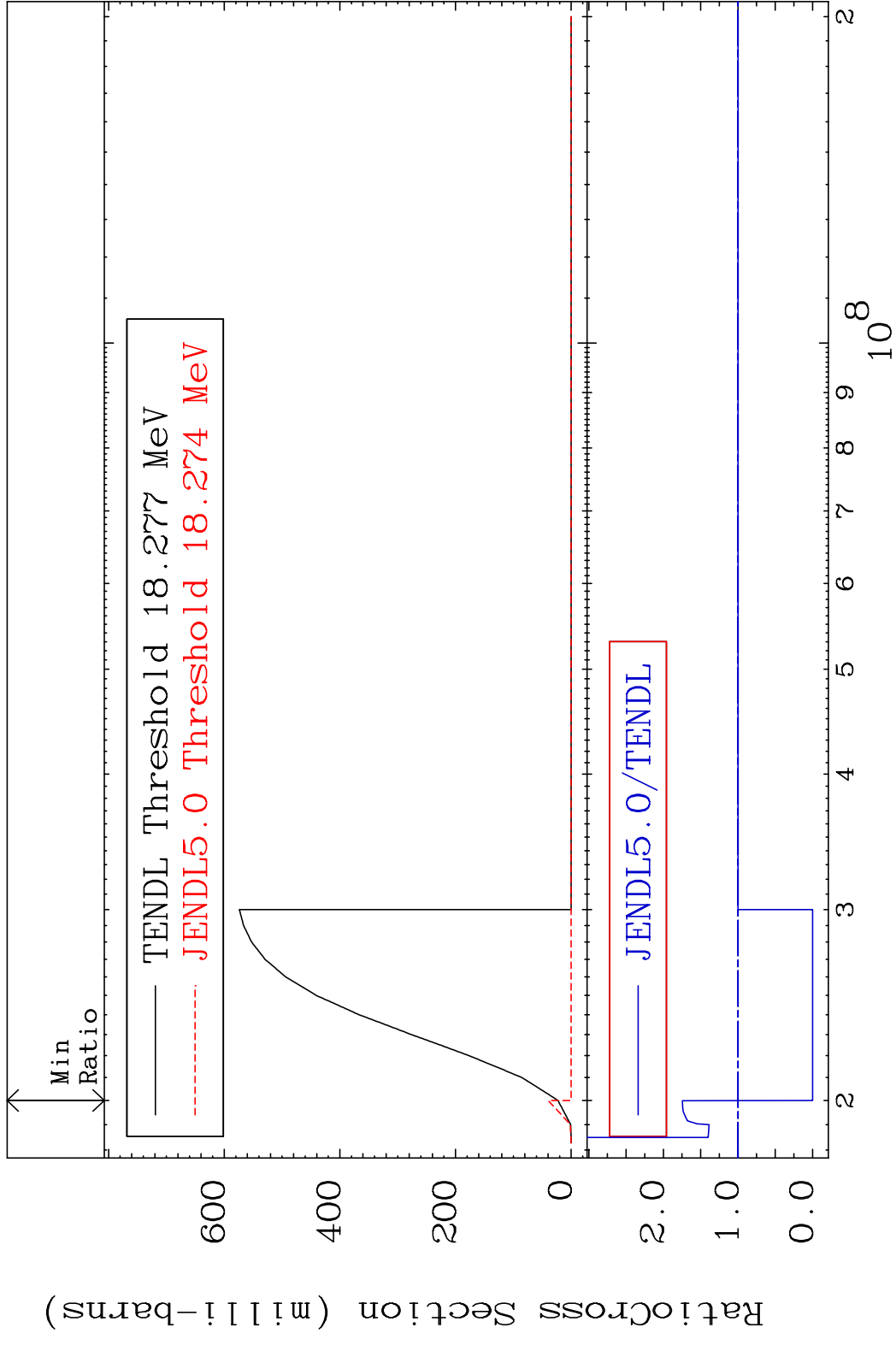


5

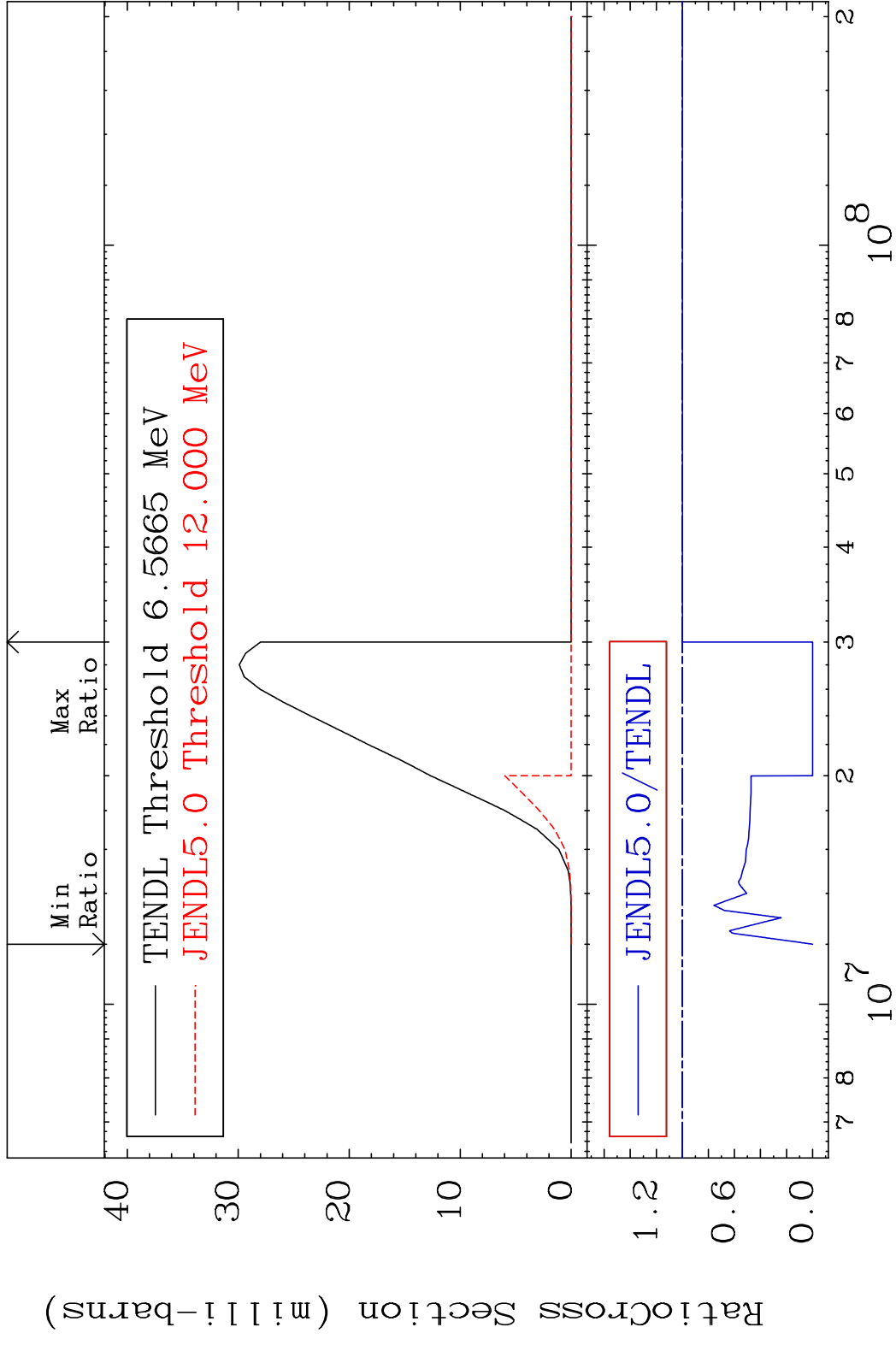
Incident Energy (eV)

35-Br-81

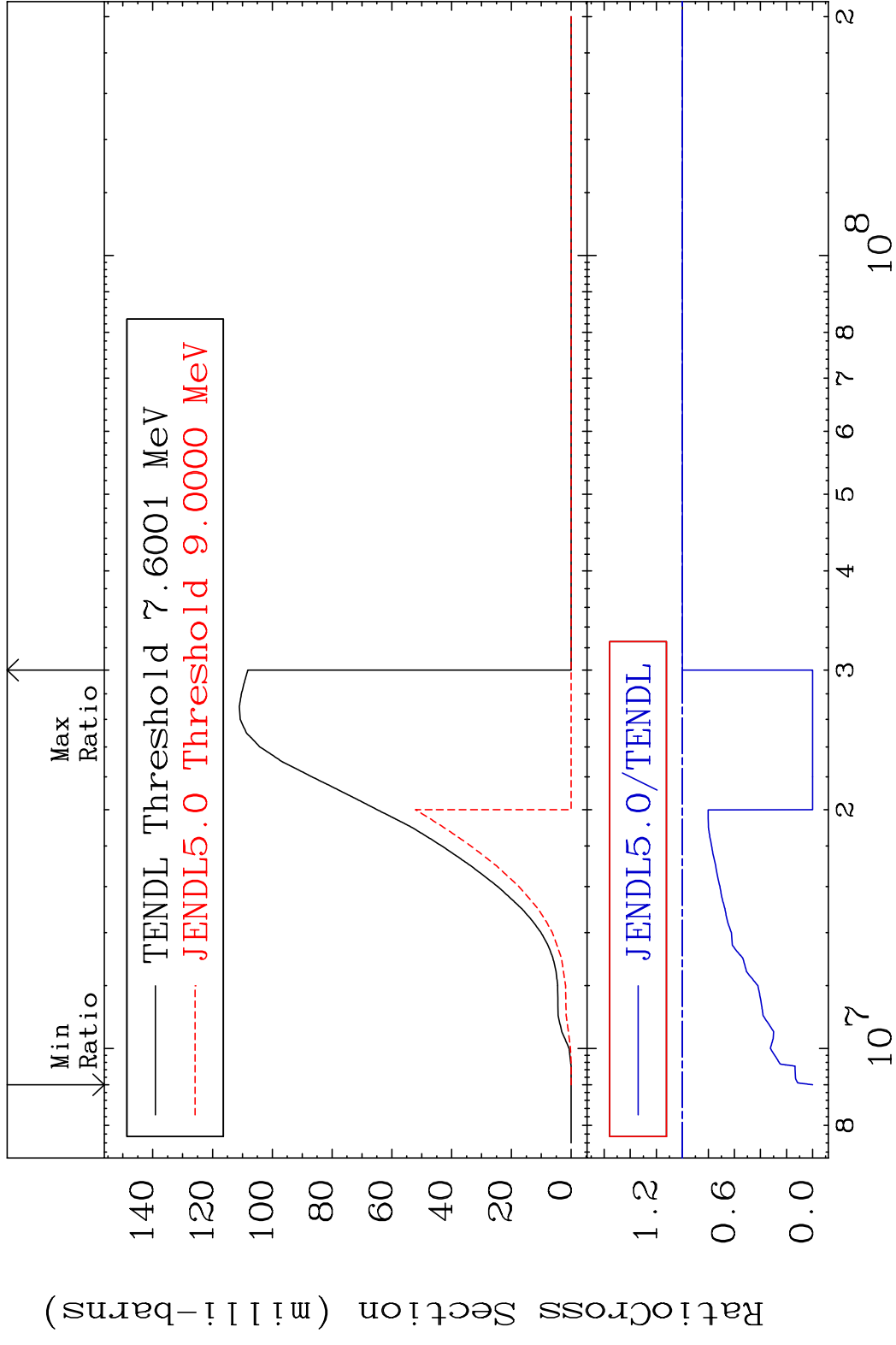
MAT 3531 (n,3n) 35-Br-81
 Cross Section -100.0 To 74.56 %



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

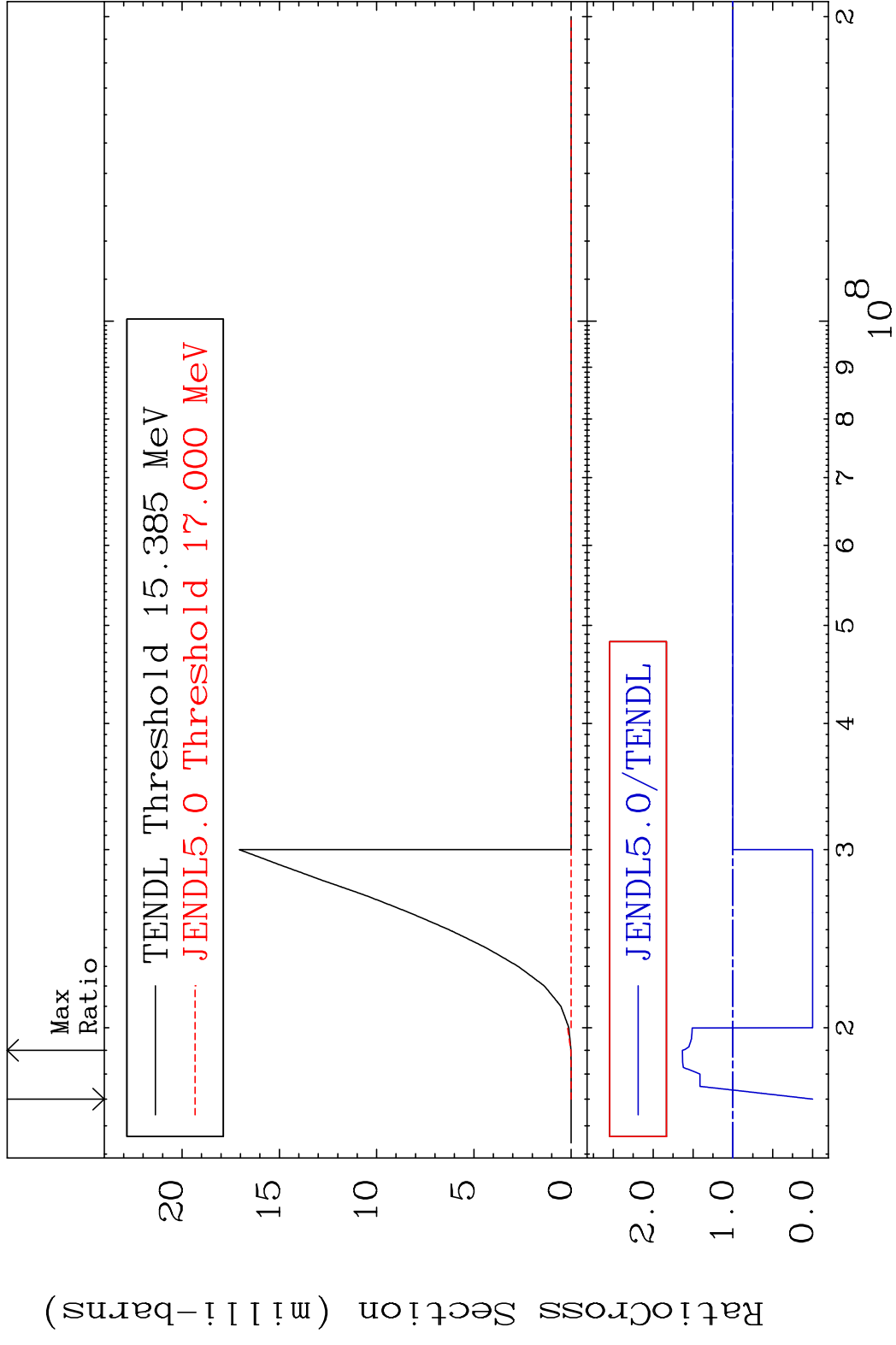


MAT 3531 (n, n') p 35-Br-81
 Cross Section -100.0 To 0.000 %

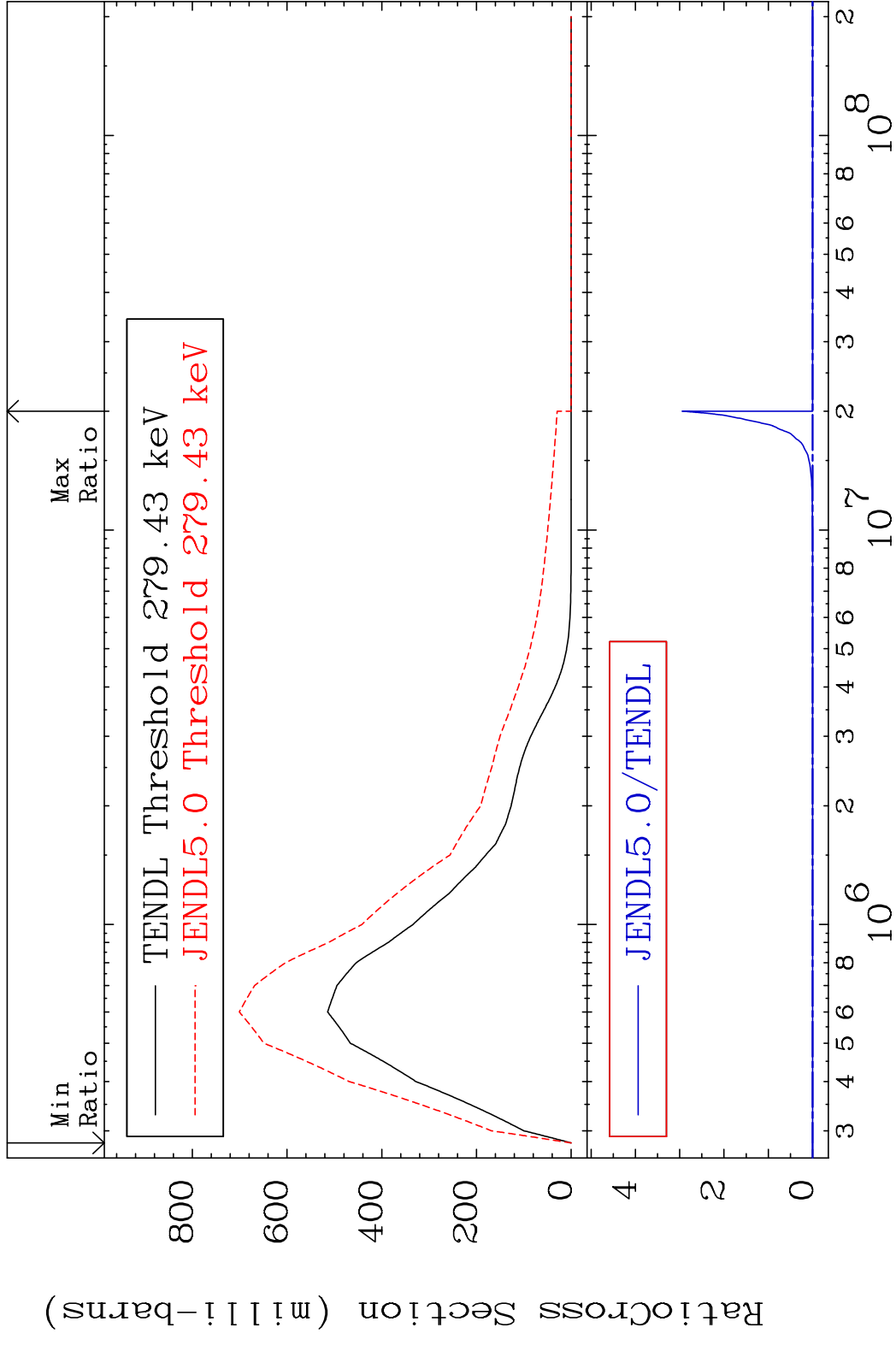


8 Incident Energy (eV) 35-Br-81

MAT 3531 (n, n') d 35-Br-81
 Cross Section -100.0 To 63.36 %

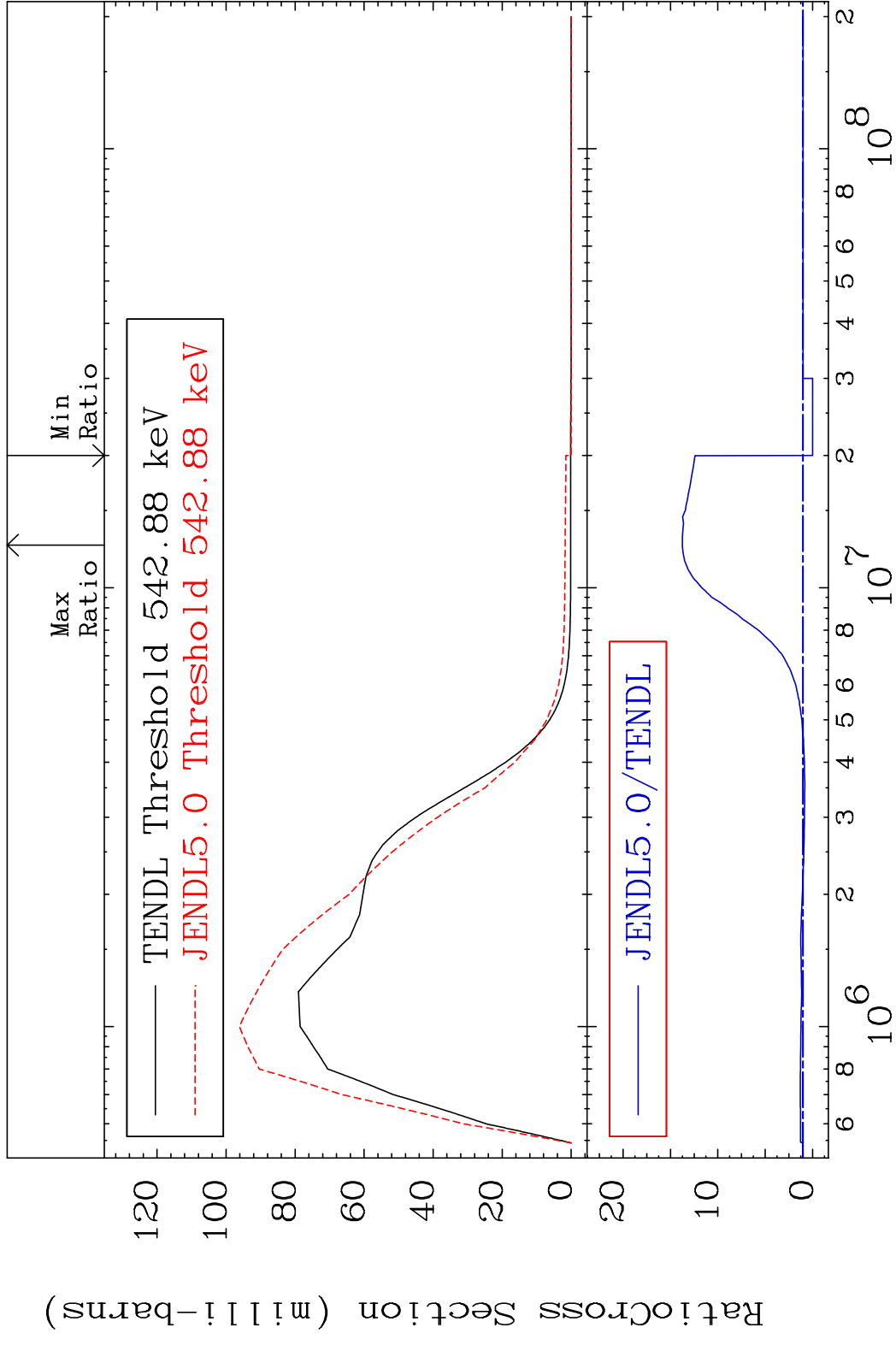


MAT 3531 MT= 51 (n, n') Level 35-Br-81
 Cross Section -100.0 To 9999. %

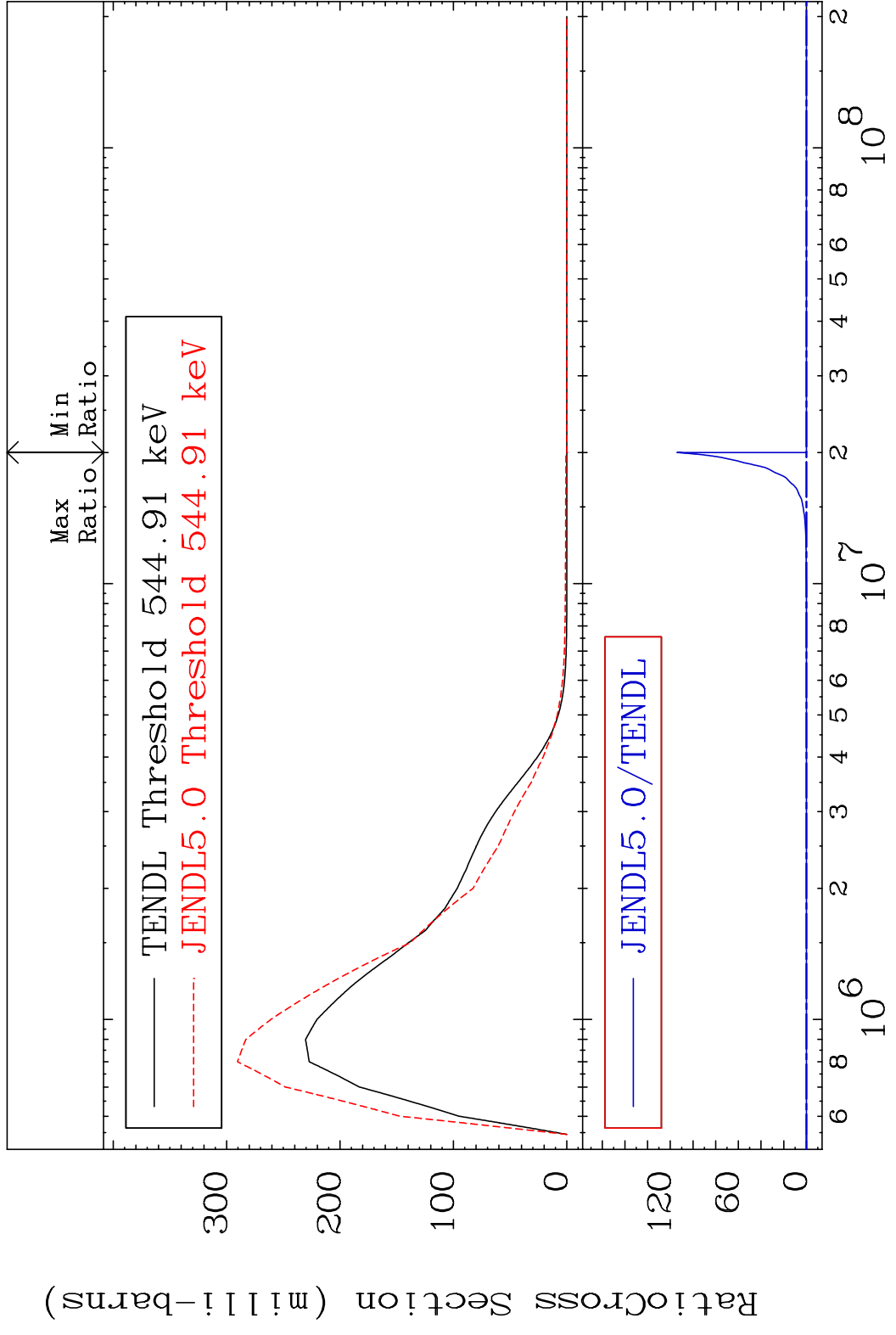


10 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 52 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1274. %

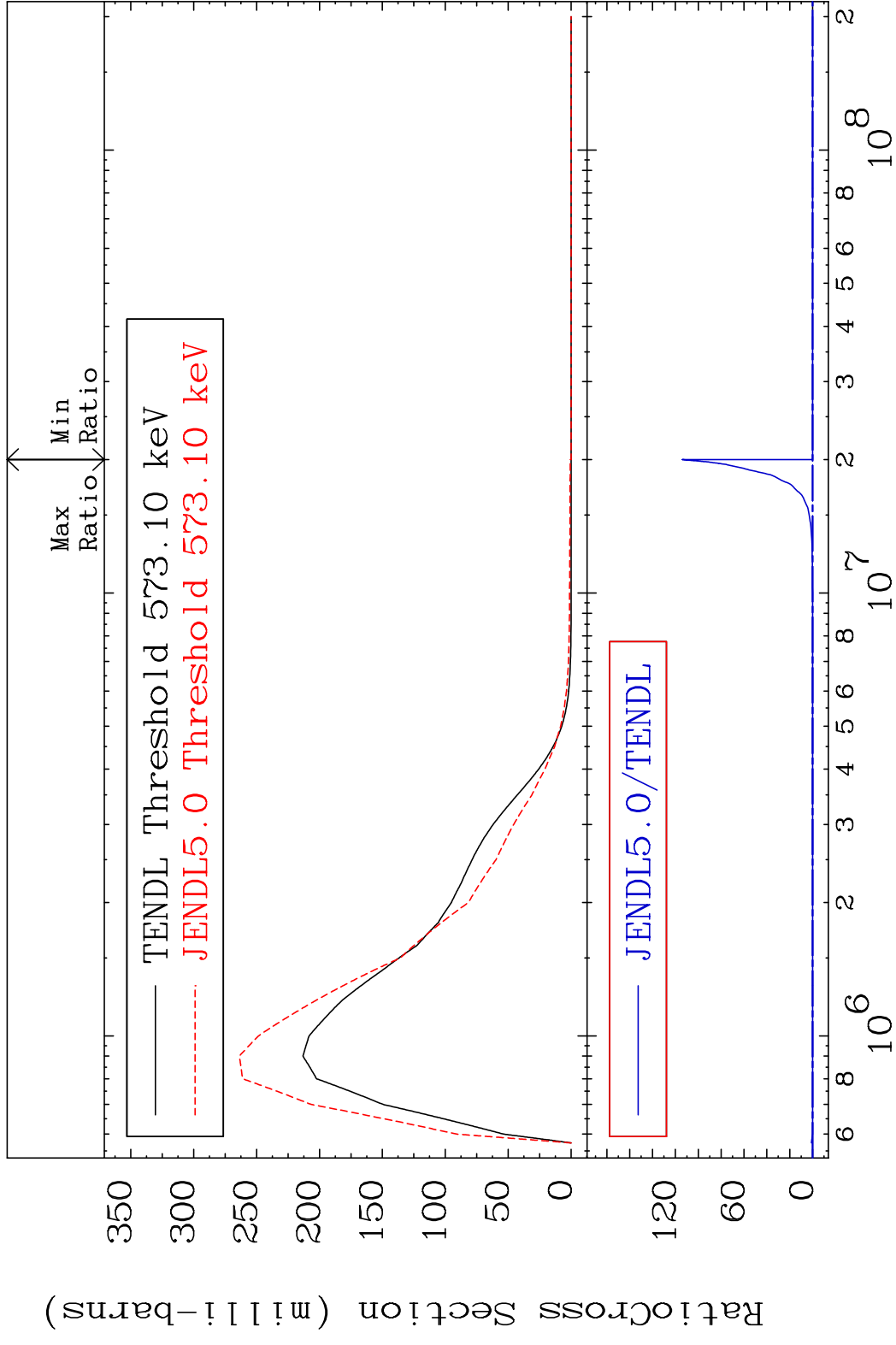


MAT 3531 MT= 53 (n, n') Level 35-Br-81
 Cross Section -100.0 To 9999. %

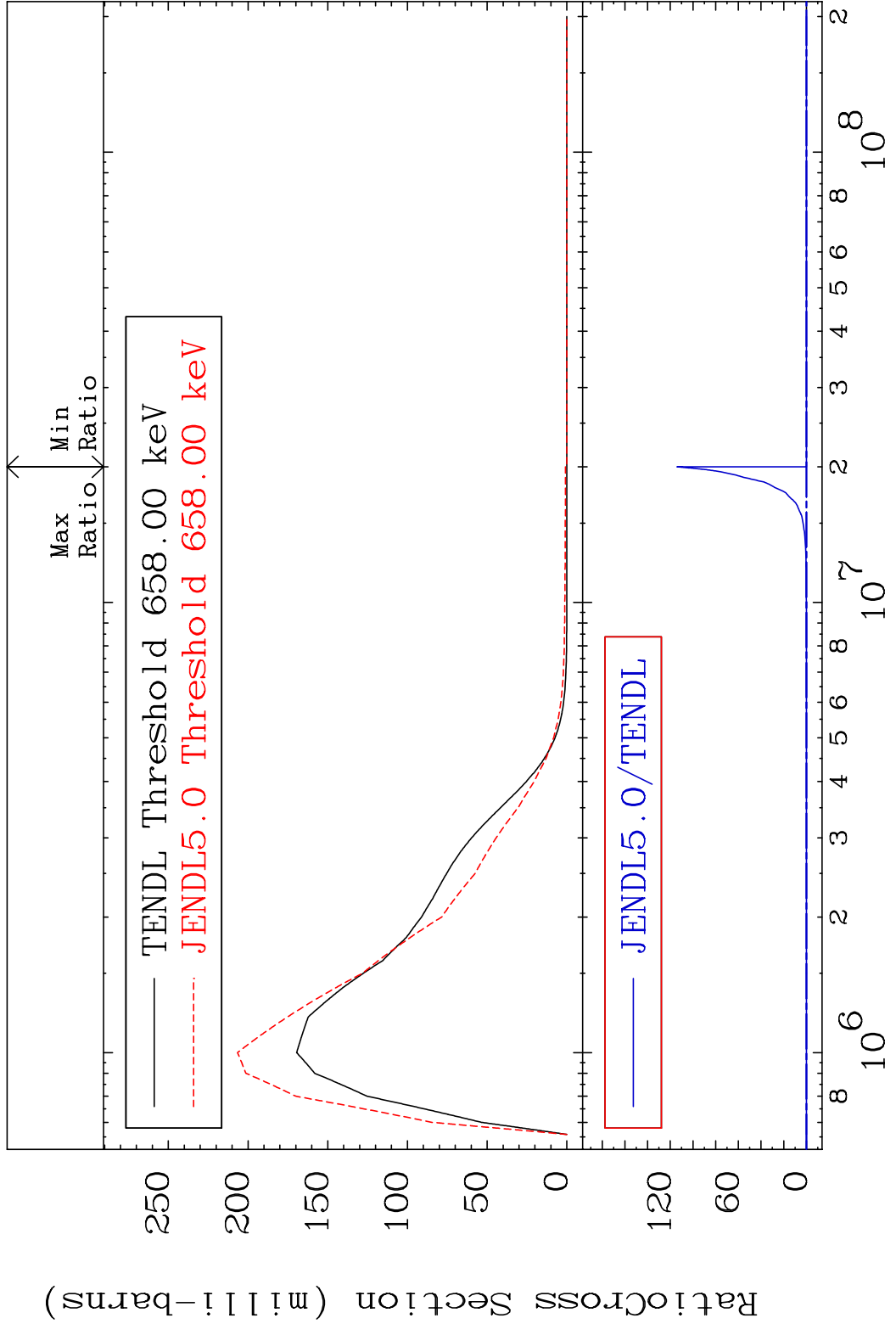


12 Incident Energy (eV) 35-Br-81

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

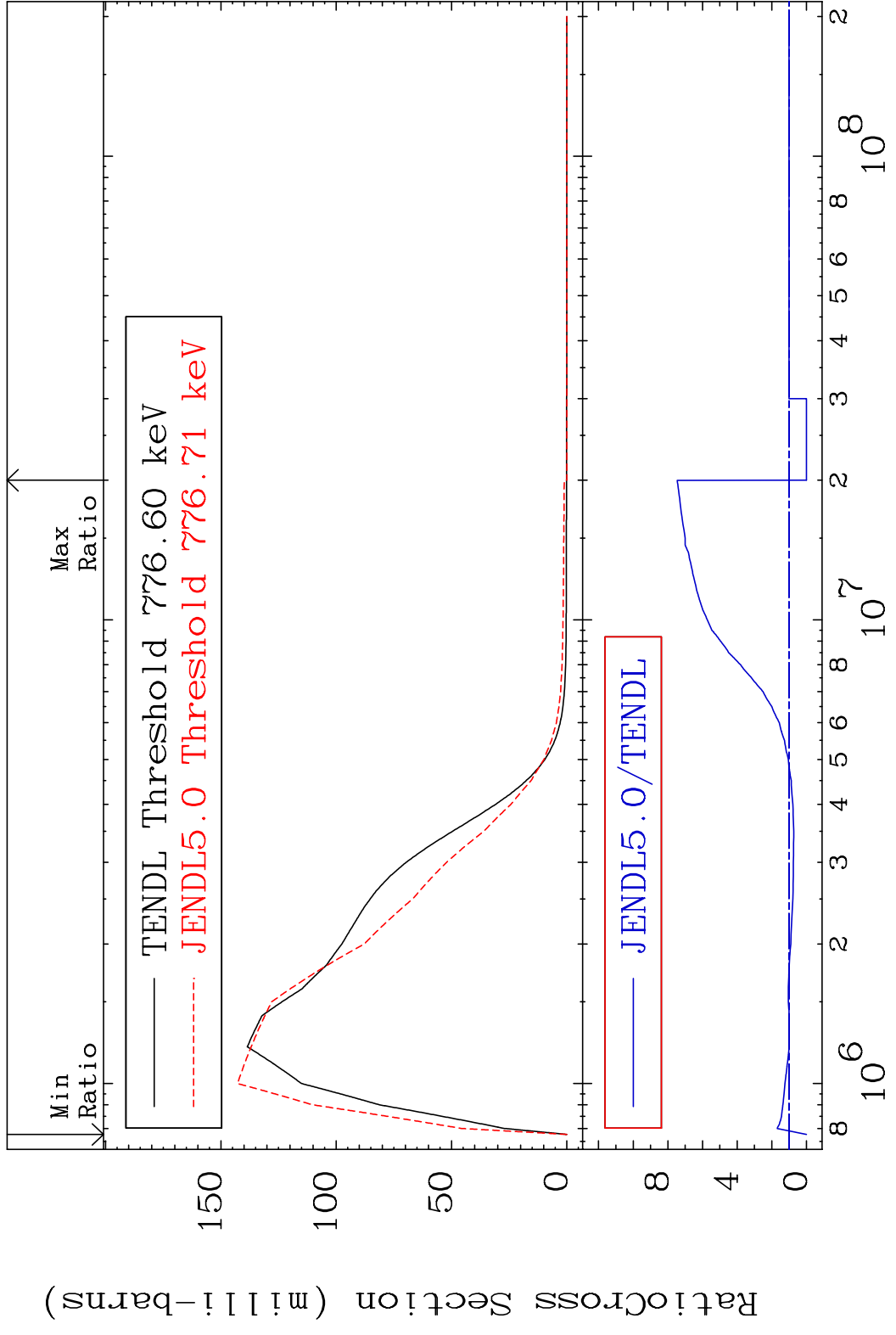


MAT 3531 MT= 55 (n, n') Level 35-Br-81
 Cross Section -100.0 To 9999. %



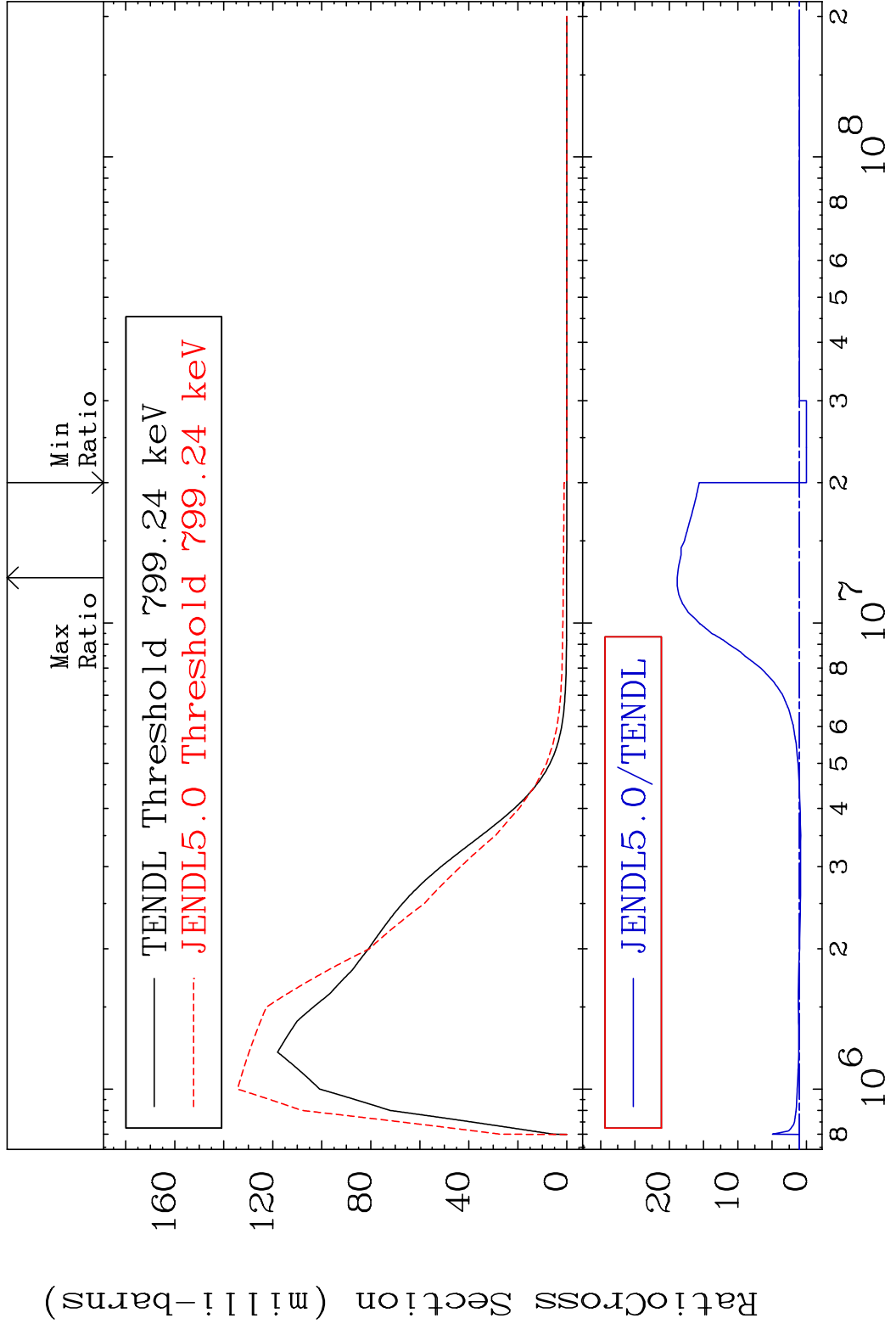
14 Incident Energy (eV) 35-Br-81

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



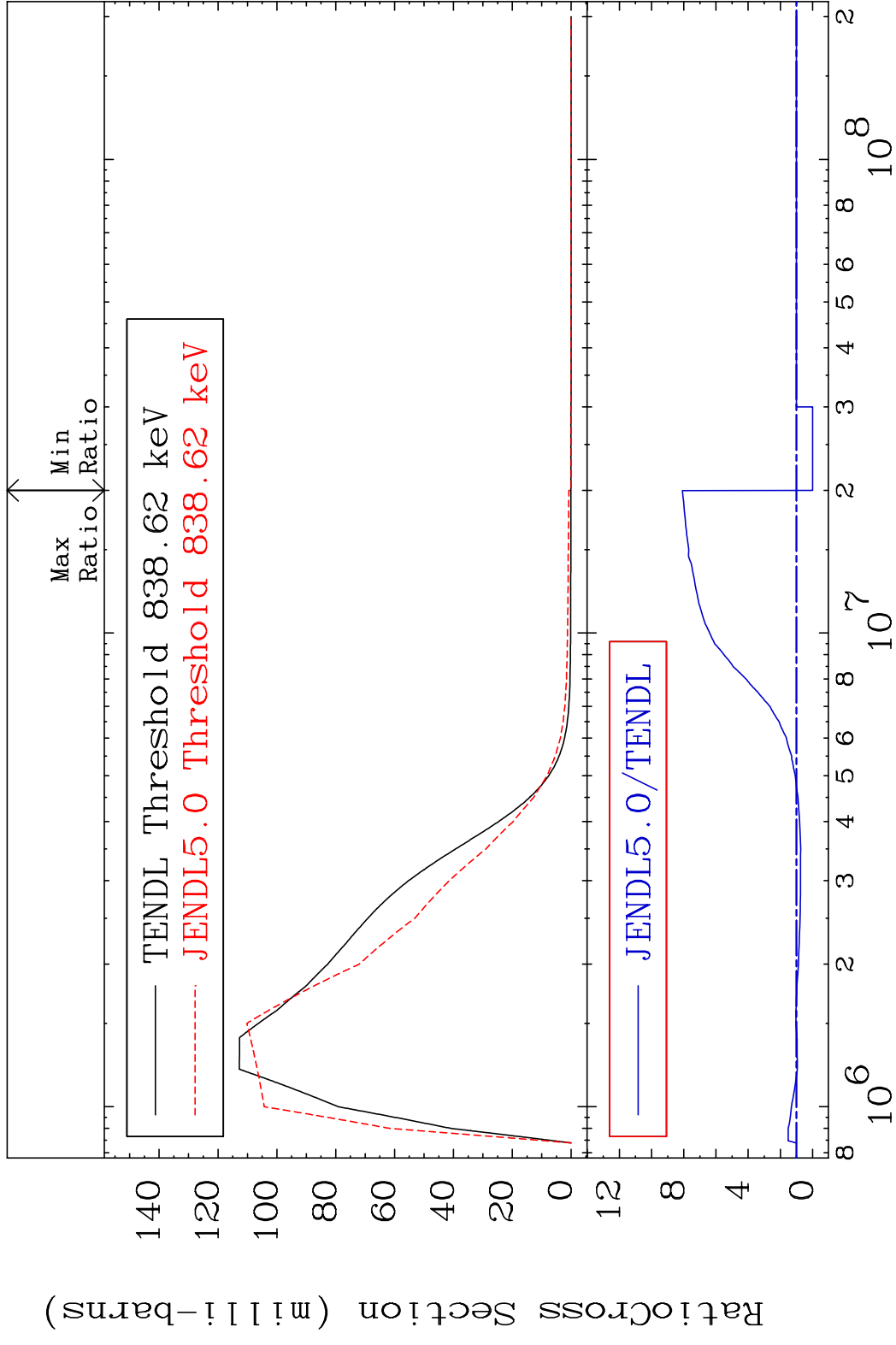
15 35-Br-81

MAT 3531 MT= 57 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1784. %



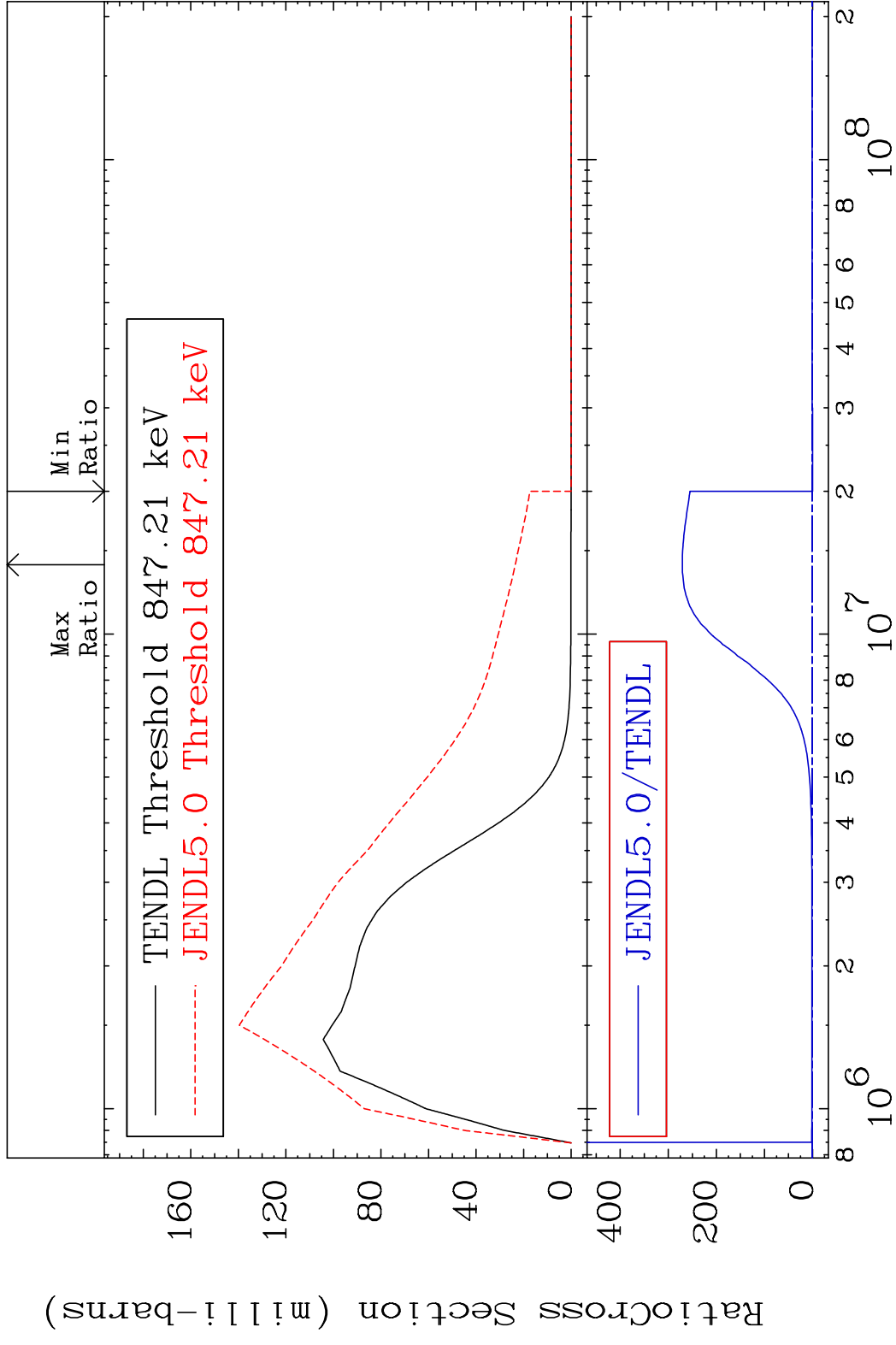
16 Incident Energy (eV) 35-Br-81

MAT 3531 MT= 58 (n, n') Level 35-Br-81
 Cross Section -100.0 To 708.9 %



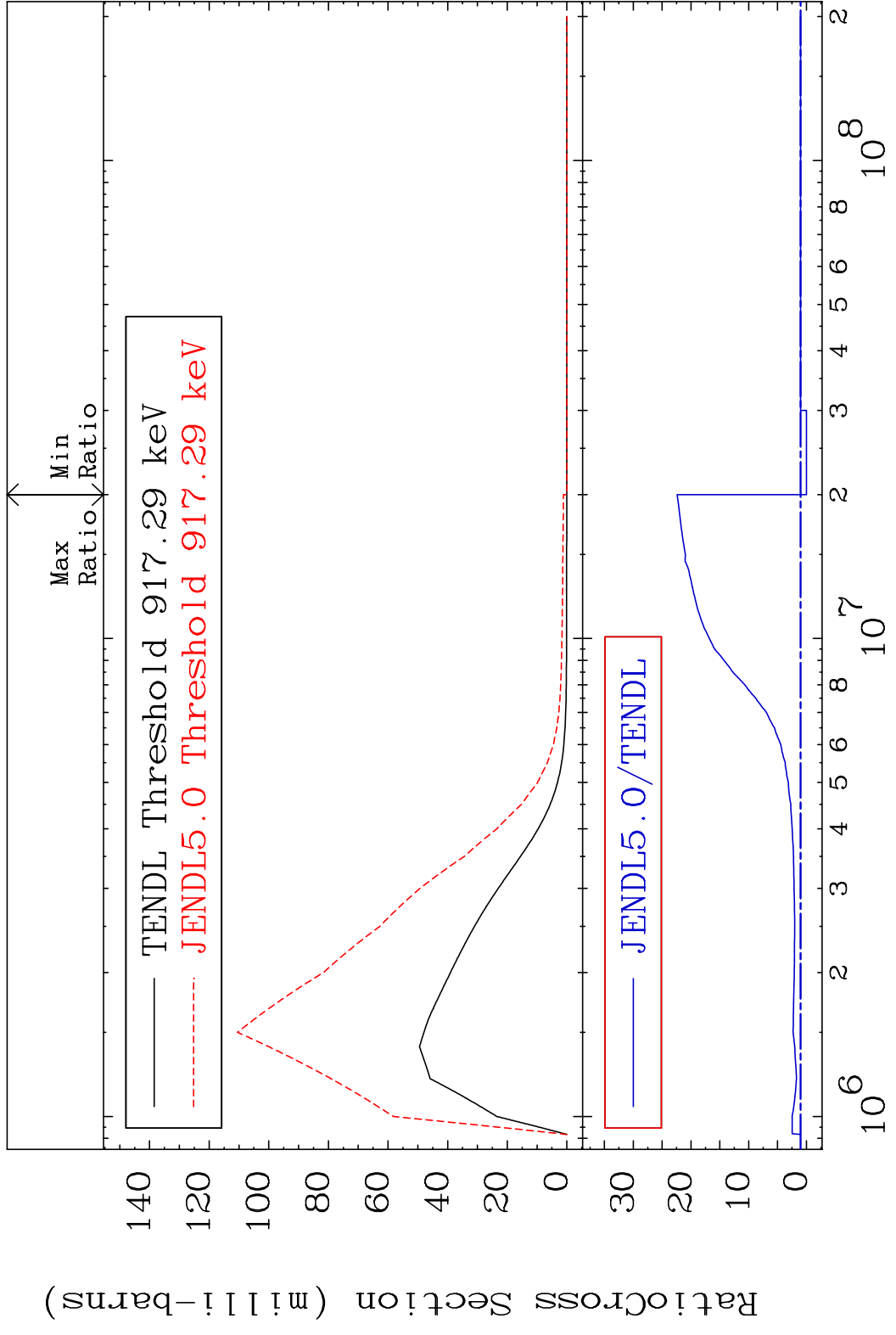
17 Incident Energy (eV) 35-Br-81

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



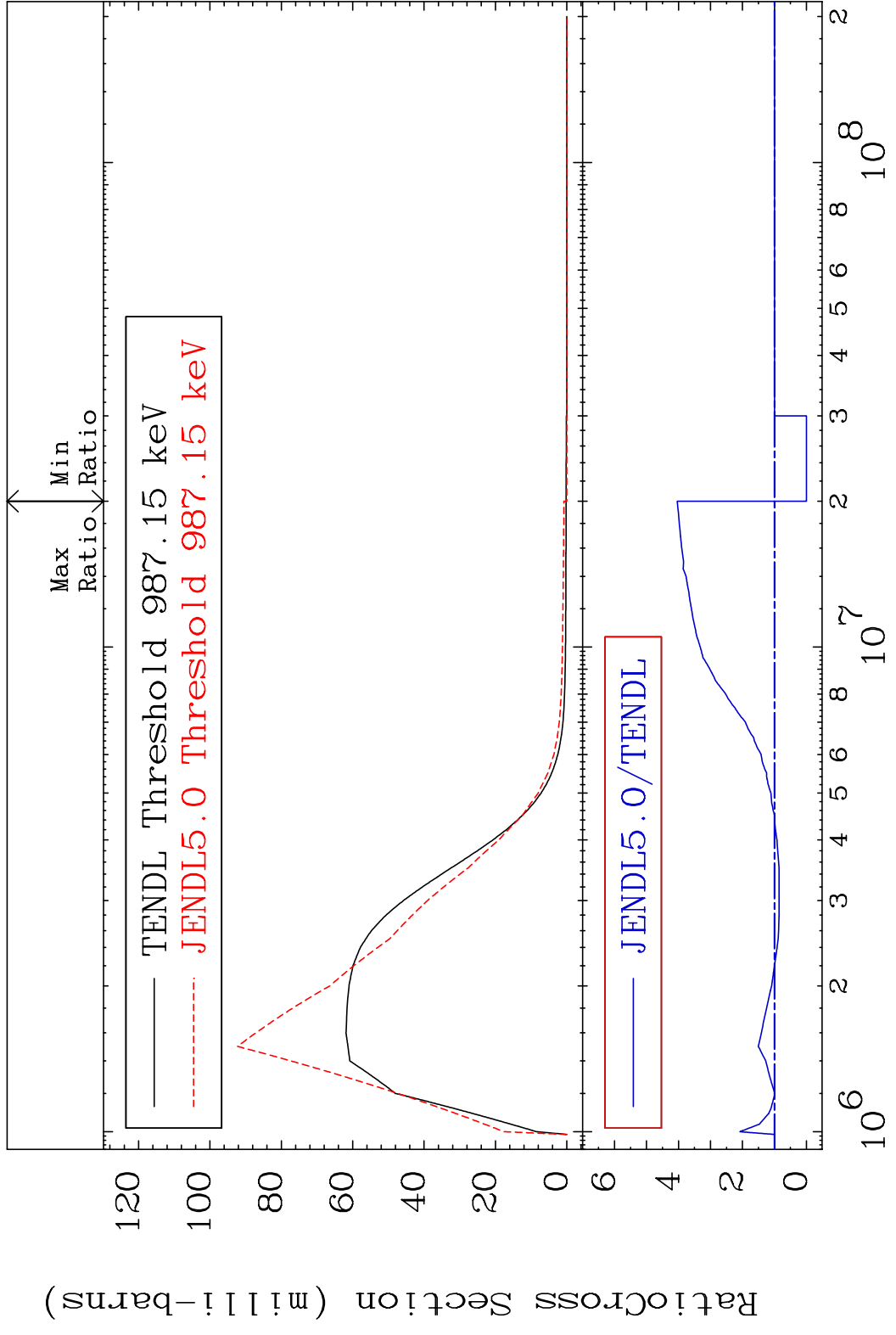
18 18 Incident Energy (eV) 35-Br-81

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



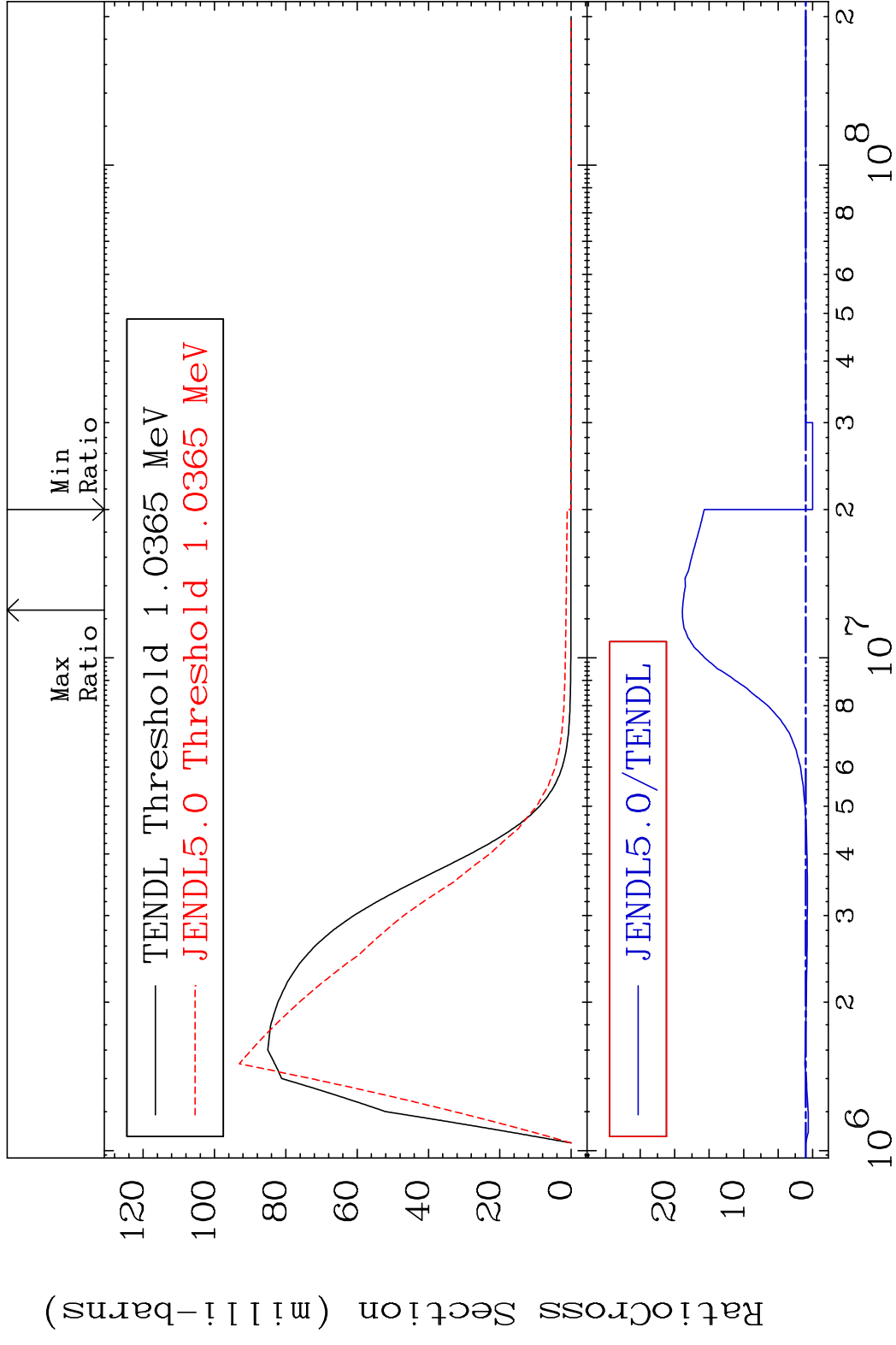
19 35-Br-81

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



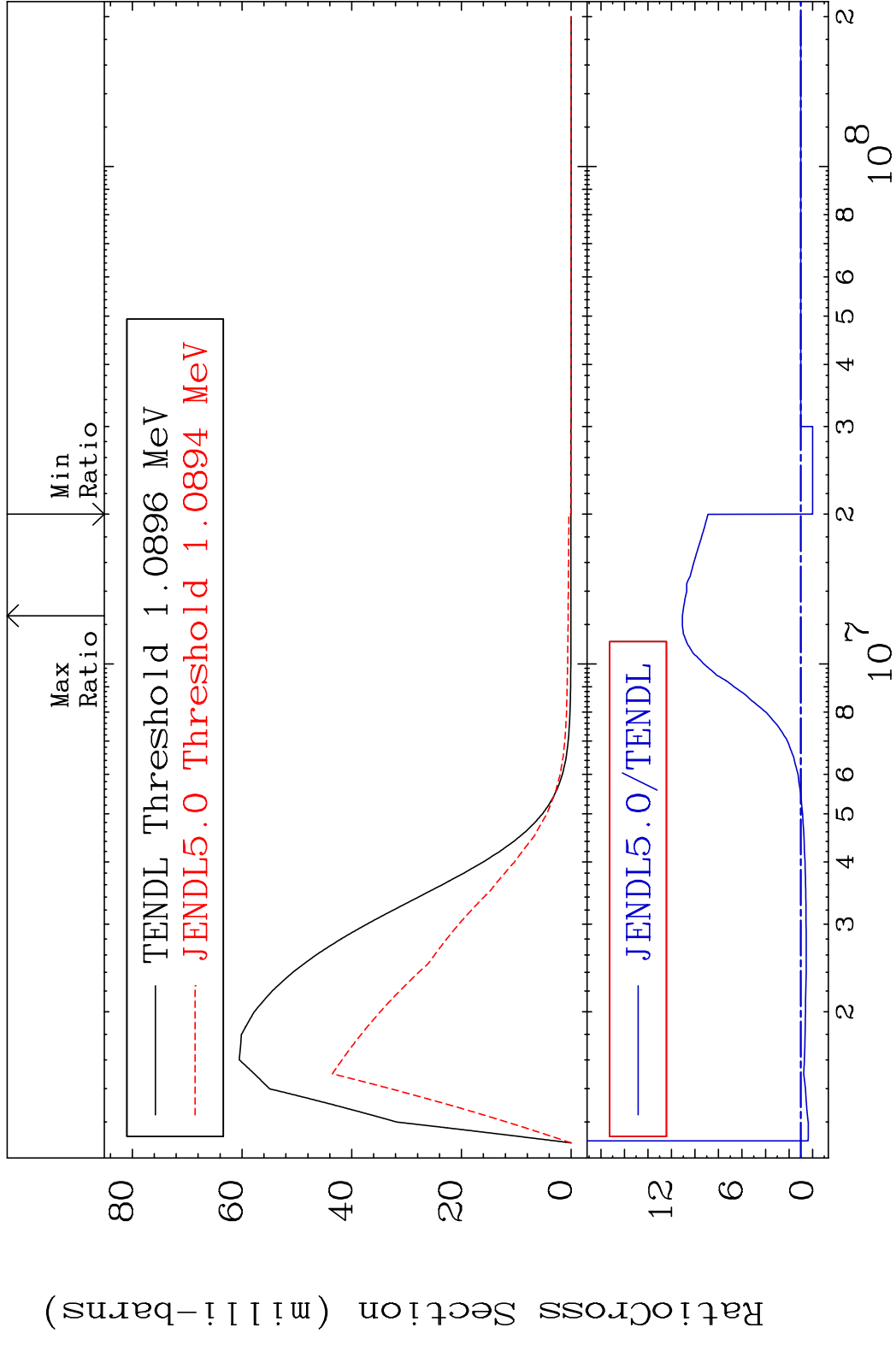
20 35-Br-81

MAT 3531 MT= 62 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1789. %

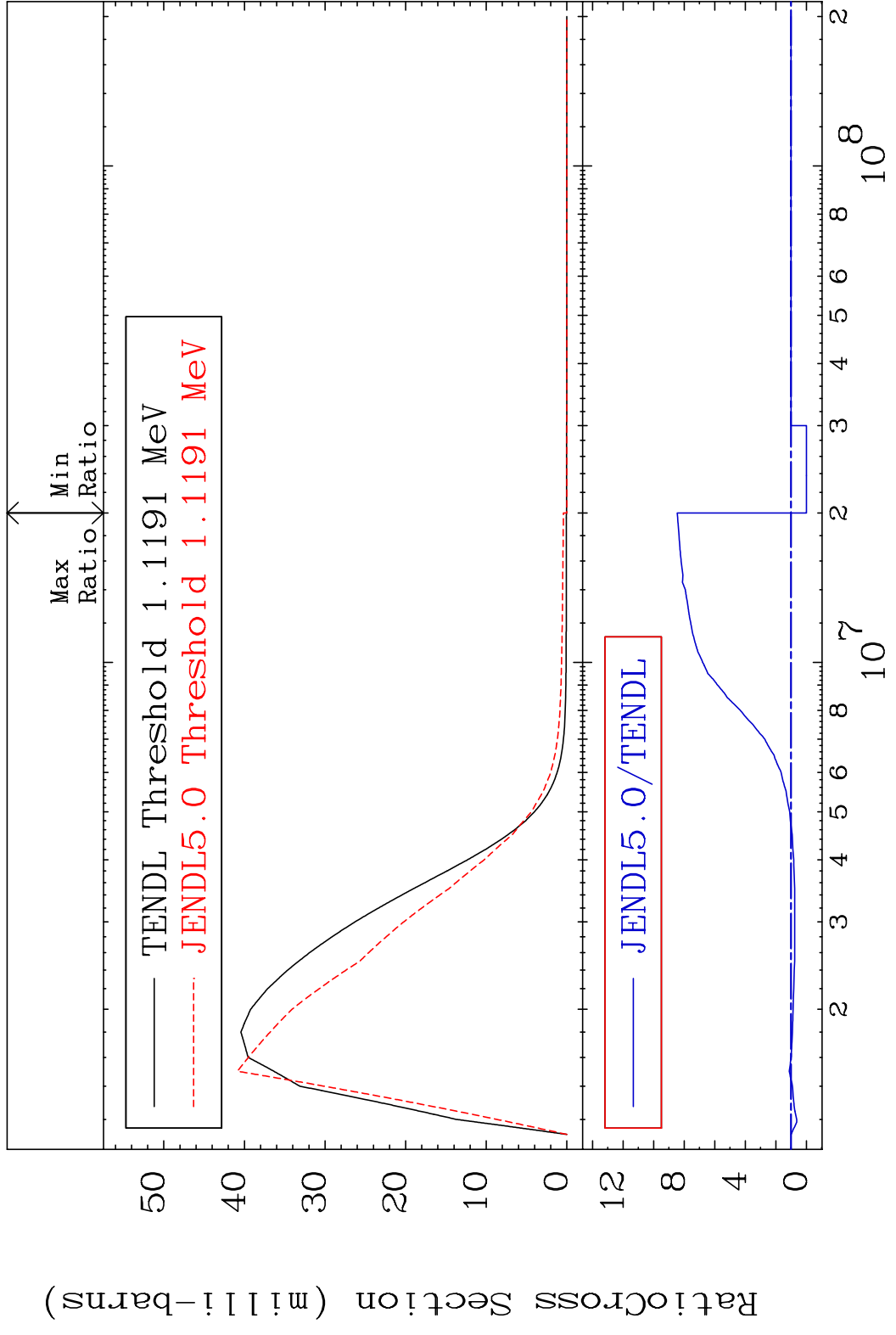


21 35-Br-81

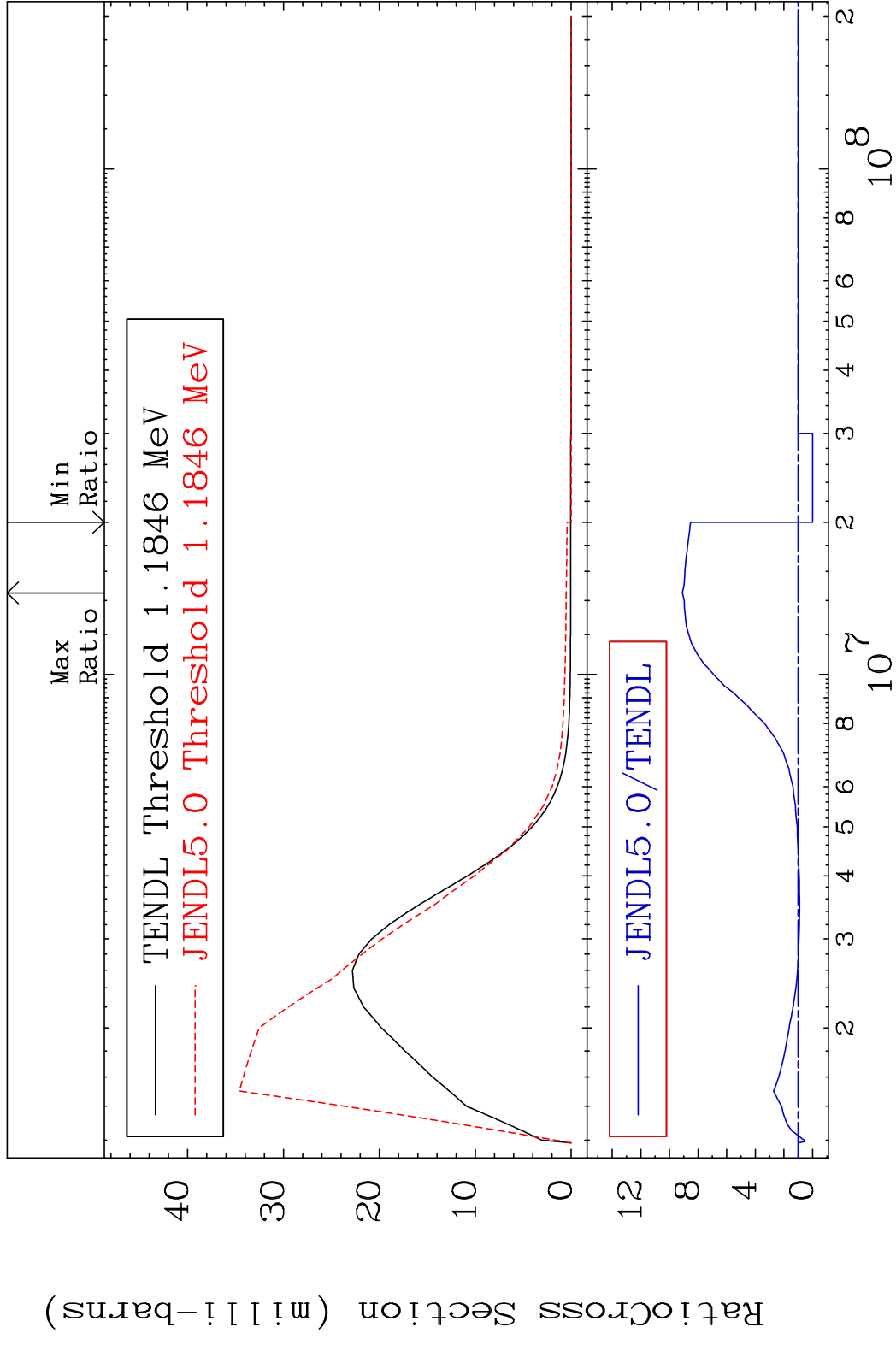
MAT 3531 MT= 63 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1007. %



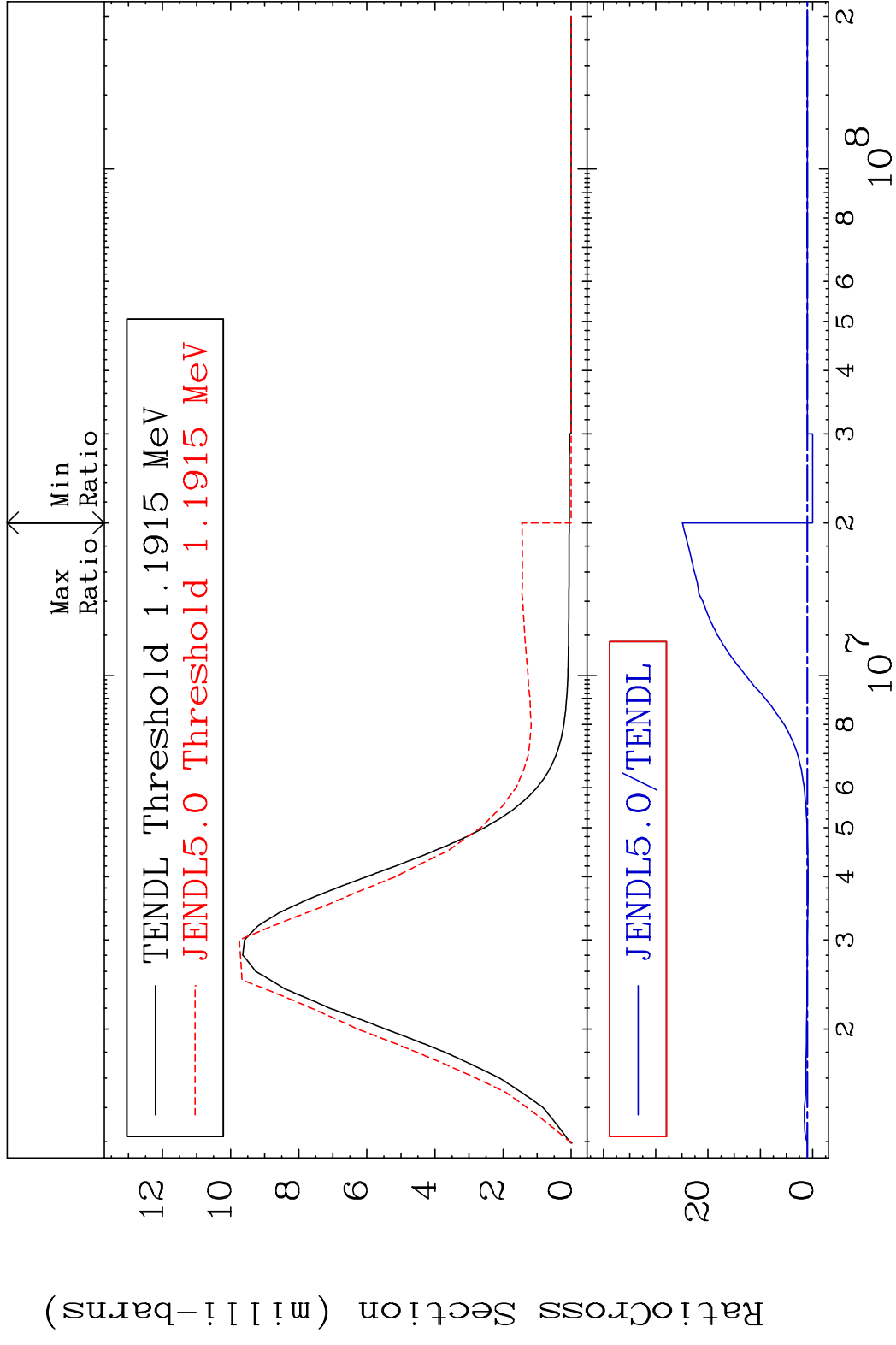
MAT 3531 MT= 64 (n, n') Level 35-Br-81
 Cross Section -100.0 To 745.7 %



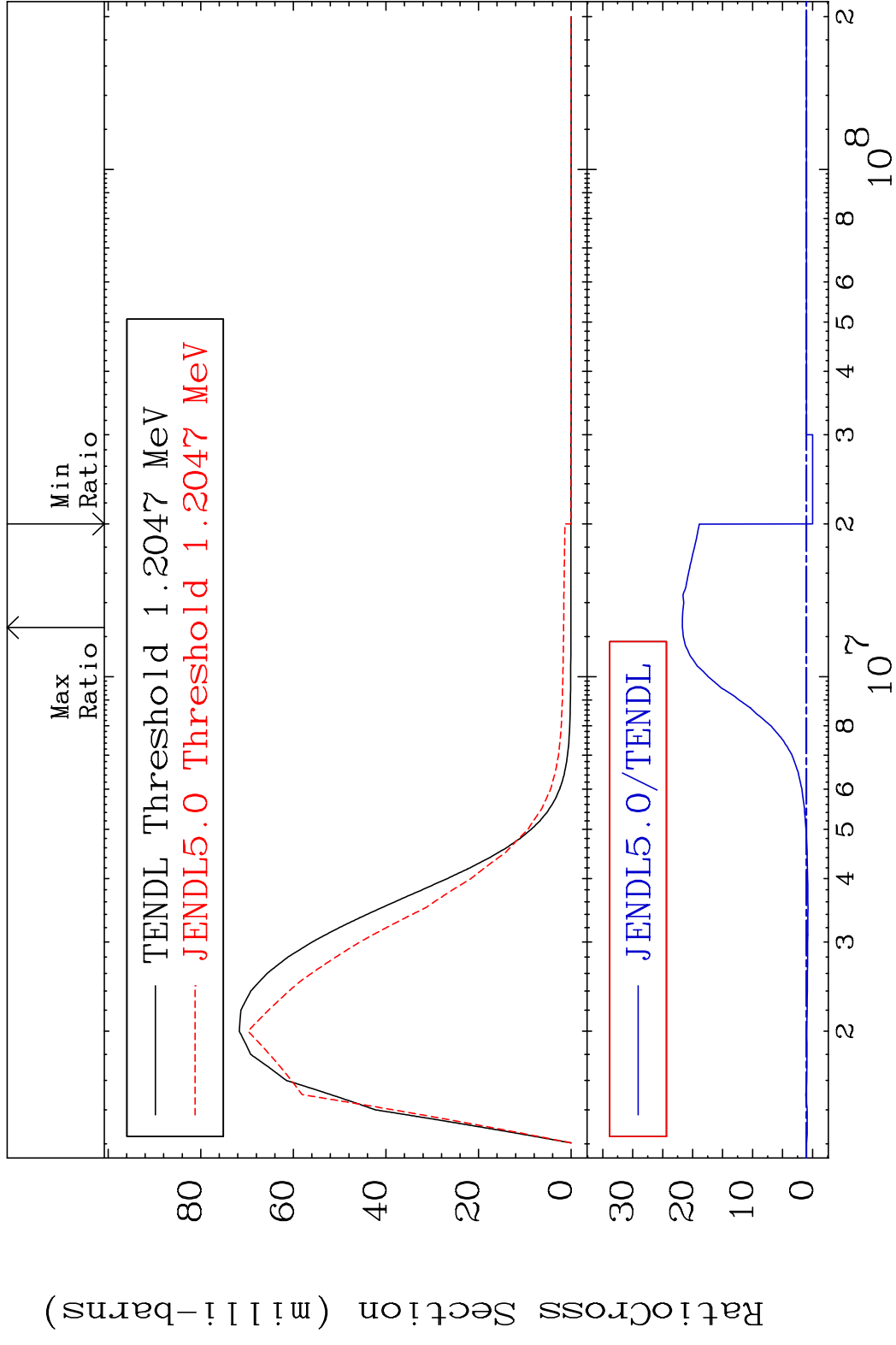
MAT 3531 MT= 65 (n, n') Level 35-Br-81
 Cross Section -100.0 To 809.7 %



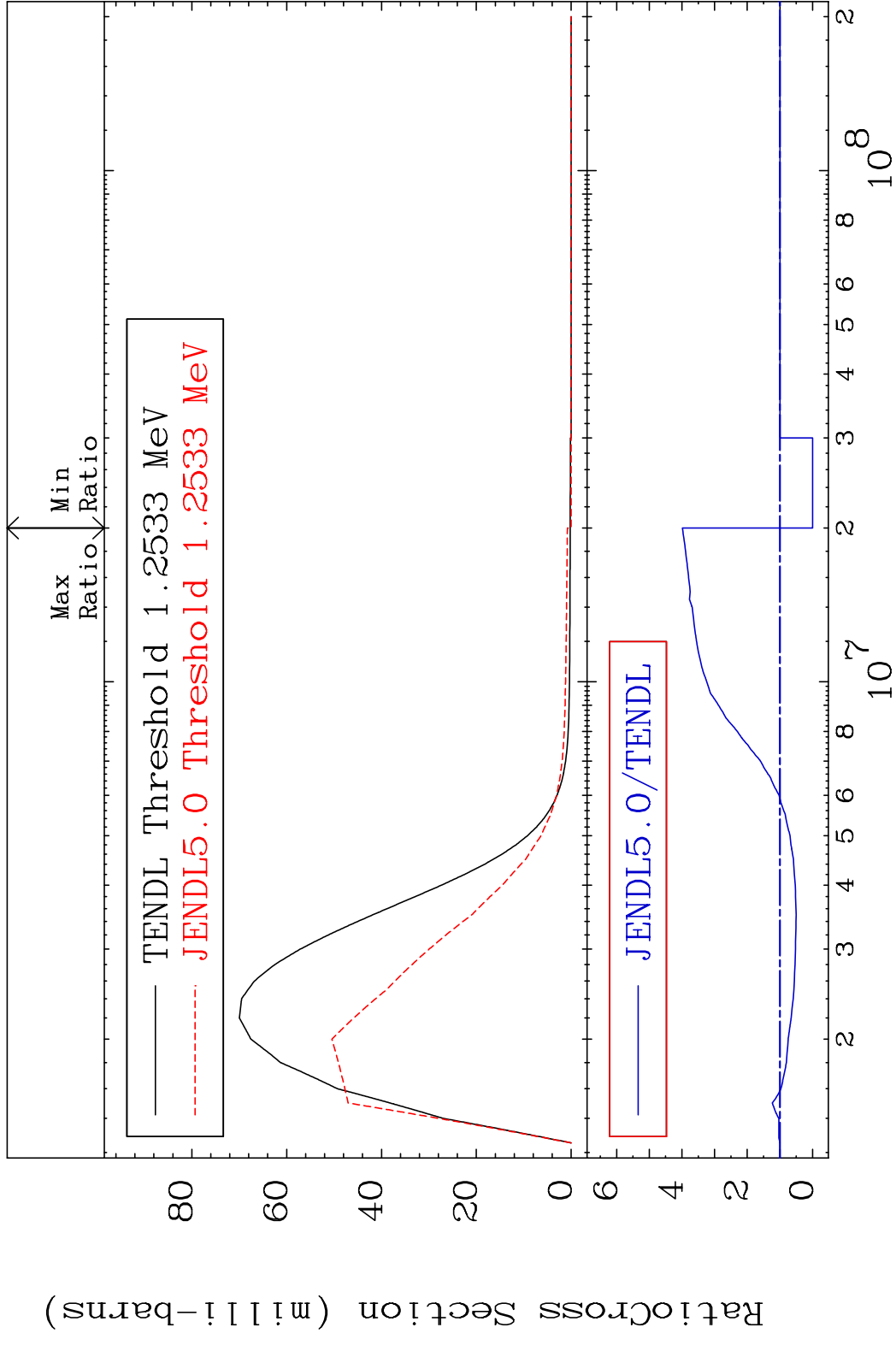
MAT 3531 MT= 66 (n, n') Level 35-Br-81
 Cross Section -100.0 To 2391. %



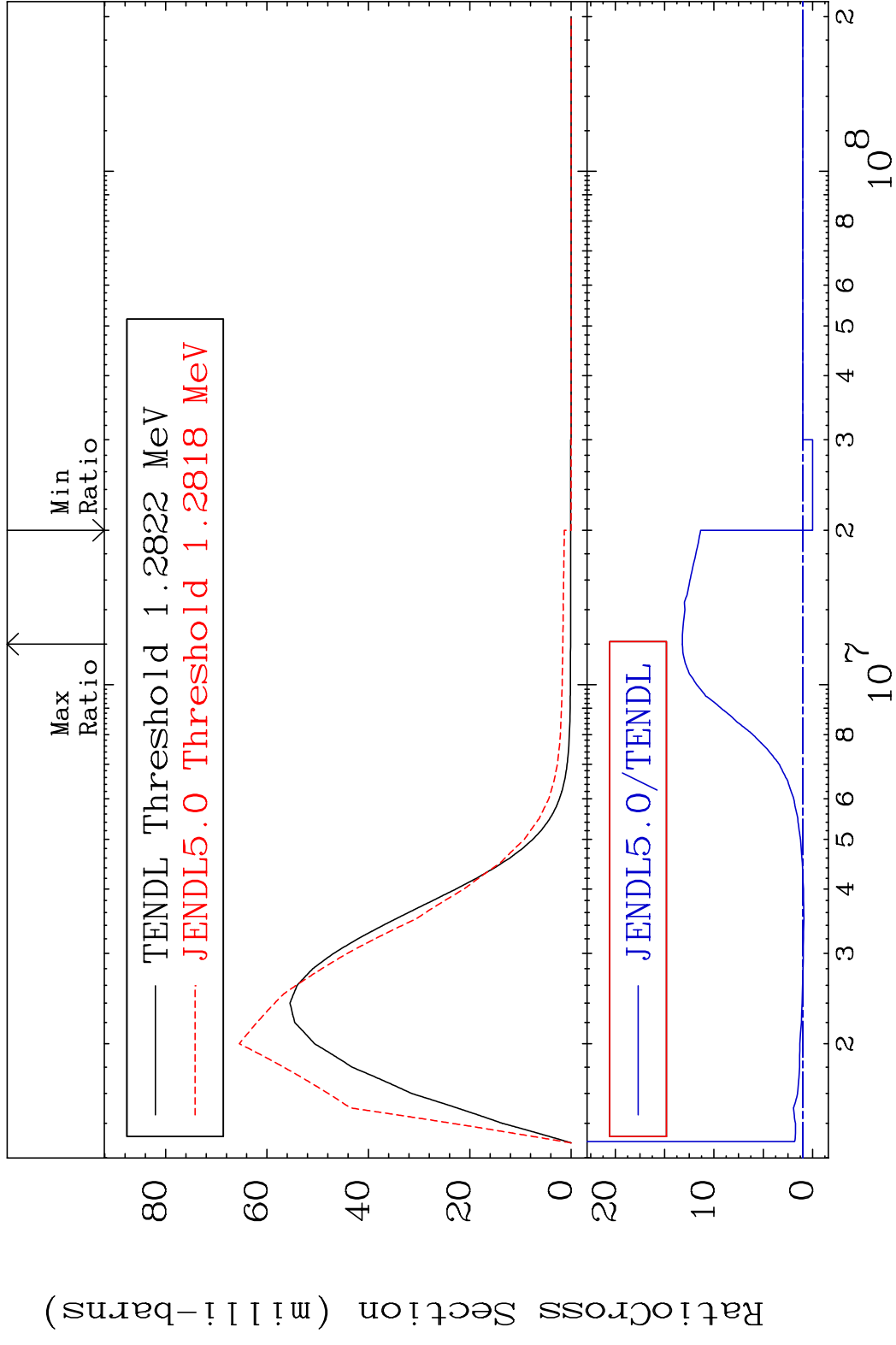
MAT 3531 MT= 67 (n, n') Level 35-Br-81
 Cross Section -100.0 To 2072. %



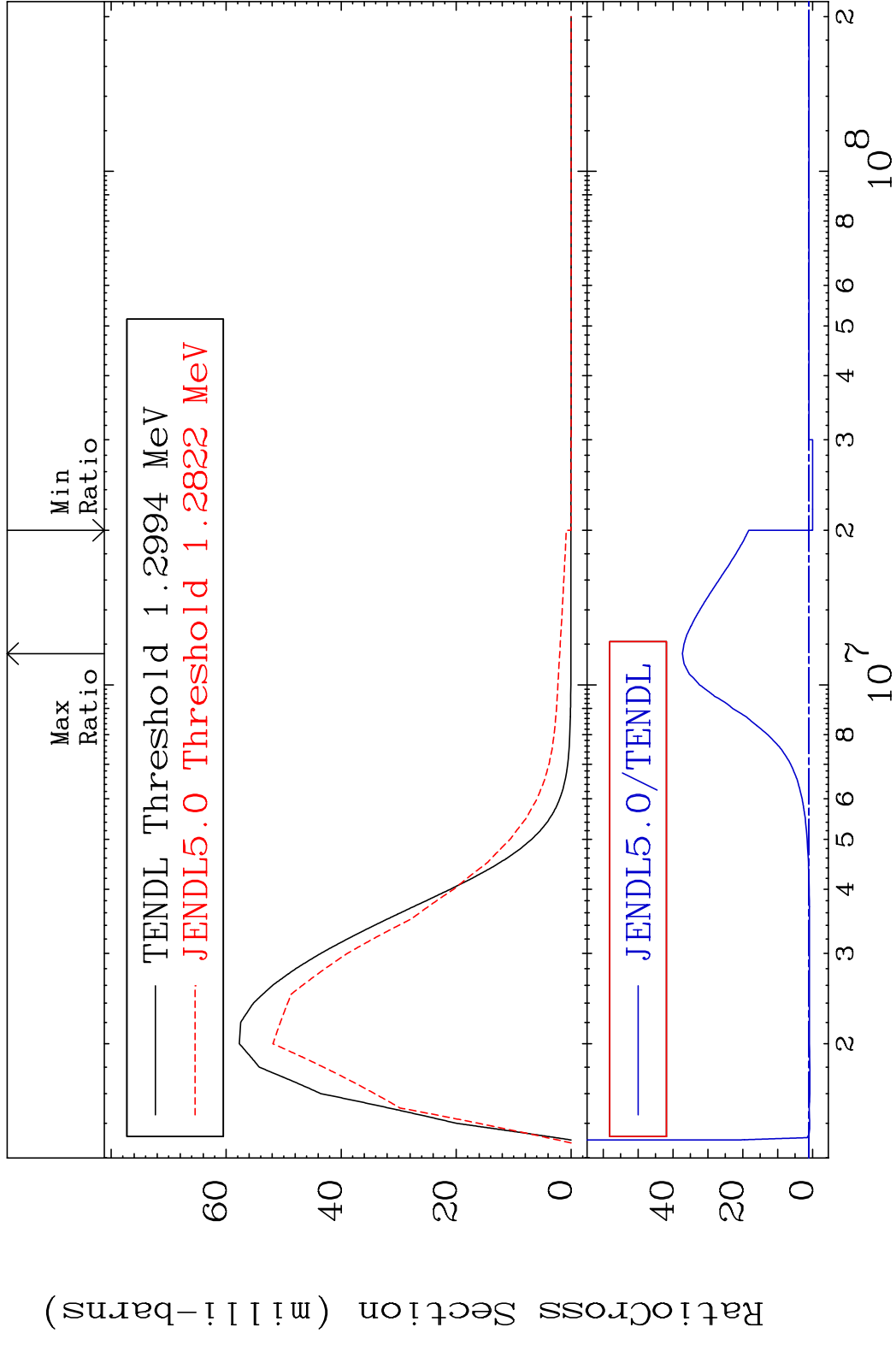
MAT 3531 MT= 68 (n, n') Level 35-Br-81
 Cross Section -100.0 To 298.7 %



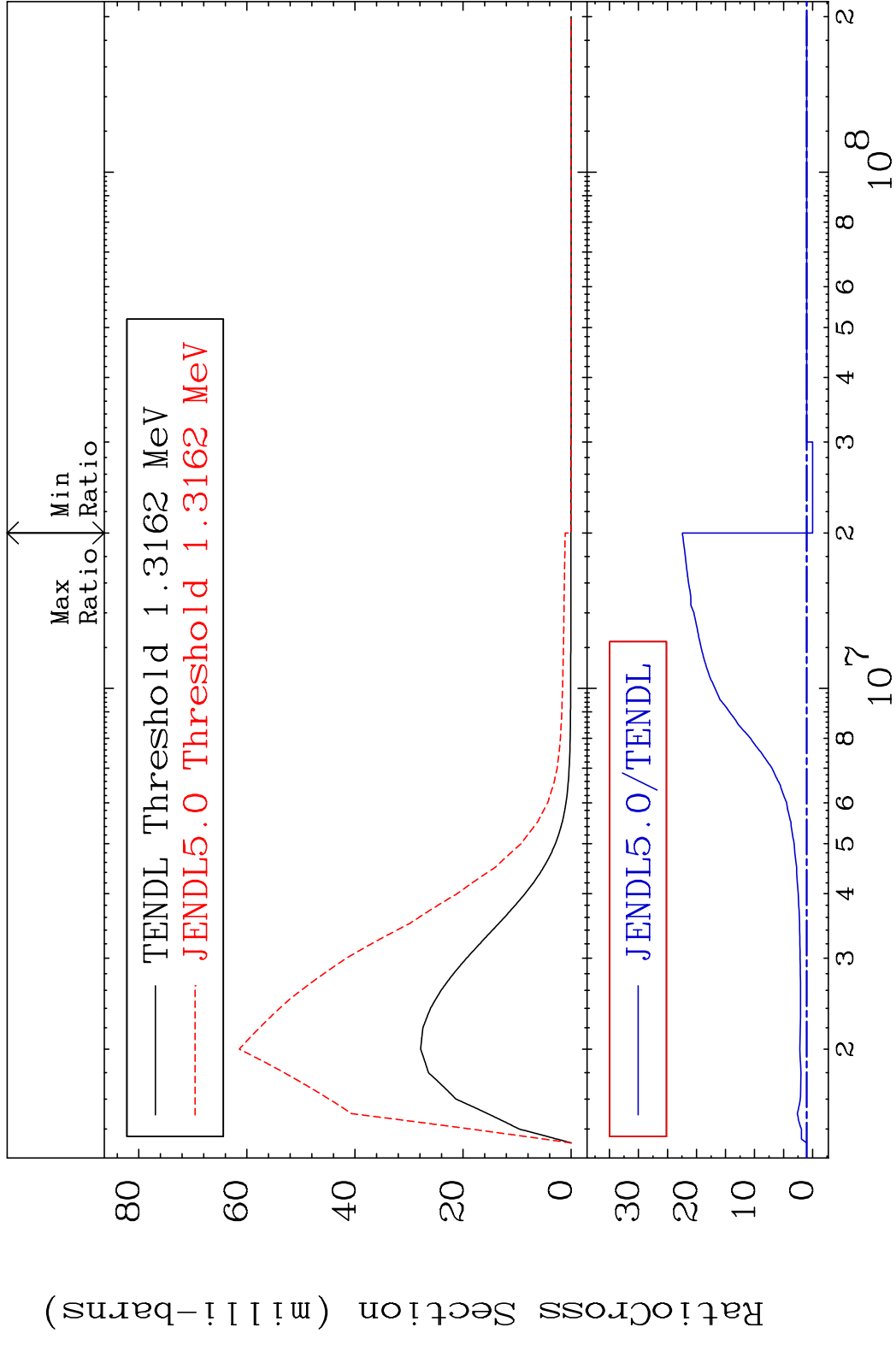
MAT 3531 MT= 69 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1220. %



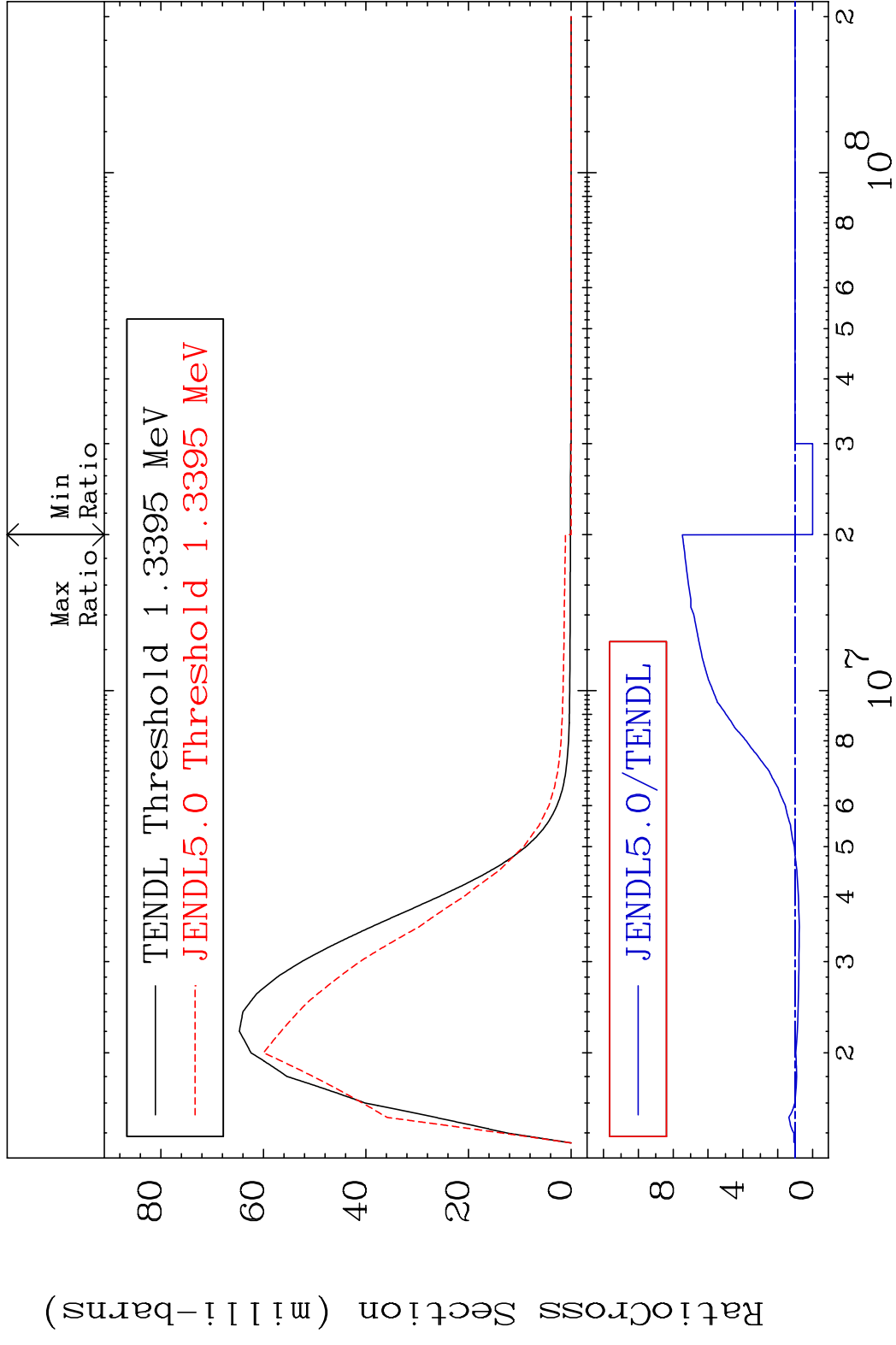
MAT 3531 MT= 70 (n, n') Level 35-Br-81
 Cross Section -100.0 To 3631. %



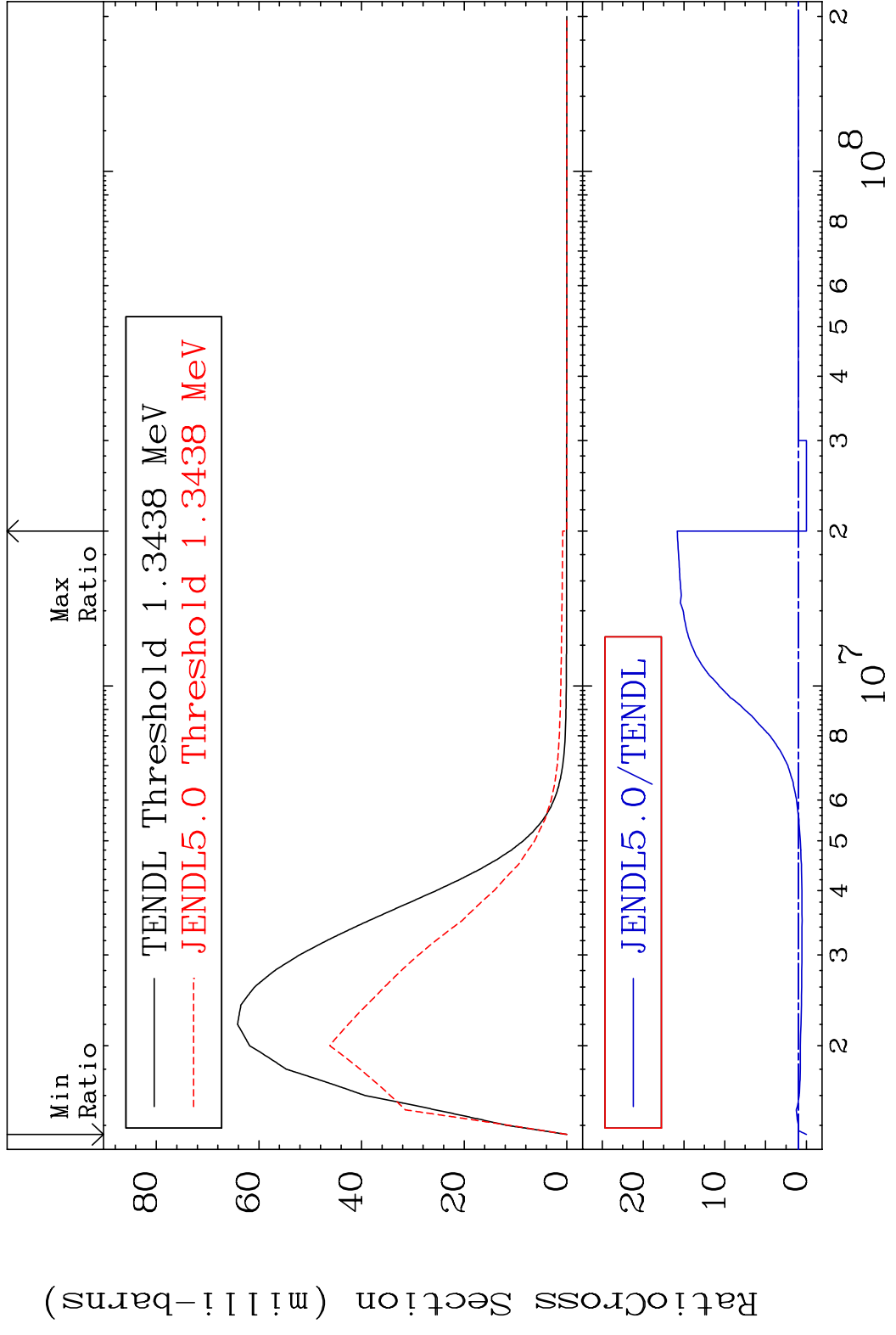
MAT 3531 MT= 71 (n, n') Level 35-Br-81
 Cross Section -100.0 To 2144. %



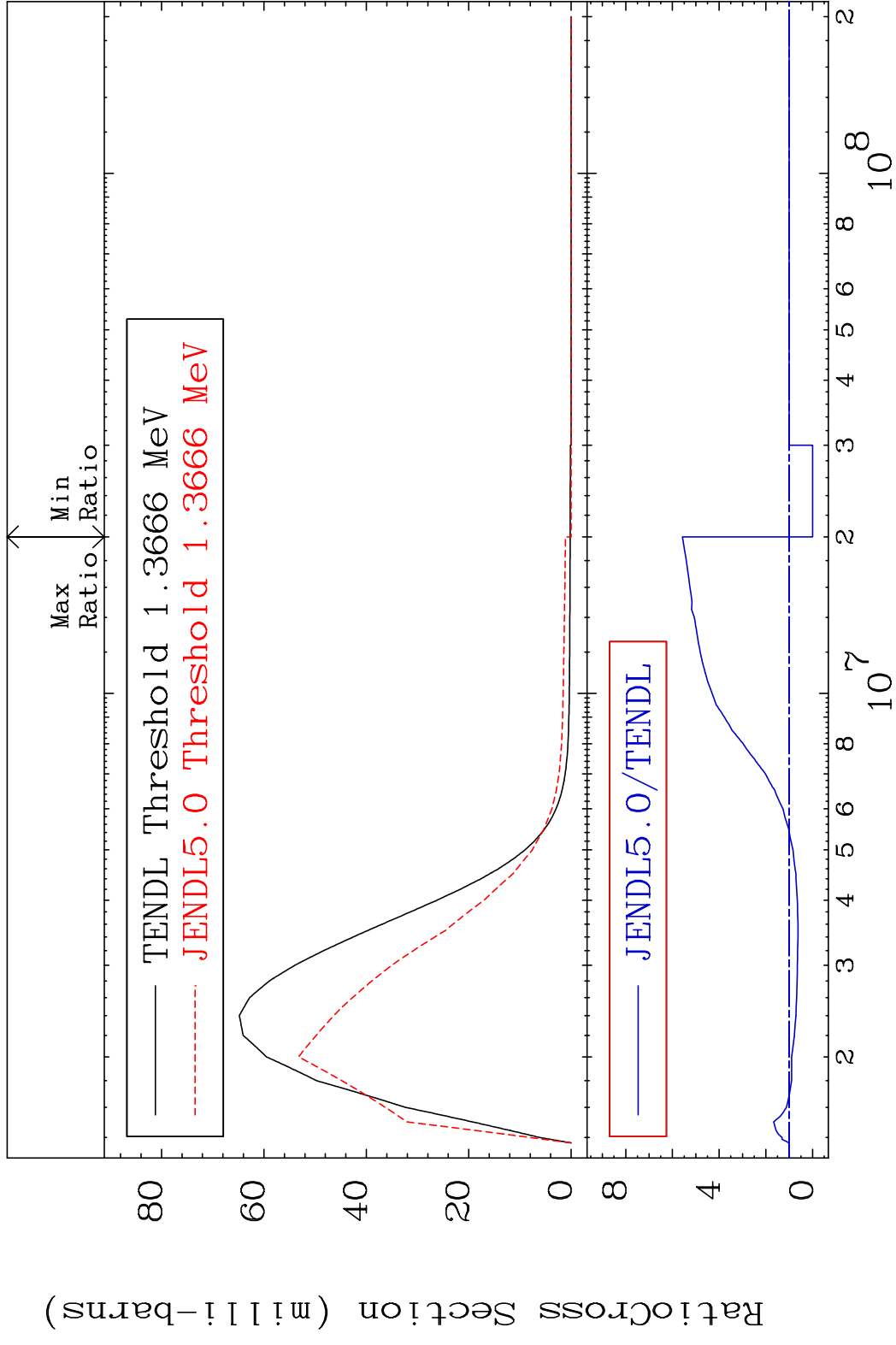
MAT 3531 MT= 72 (n, n') Level 35-Br-81
 Cross Section -100.0 To 647.5 %



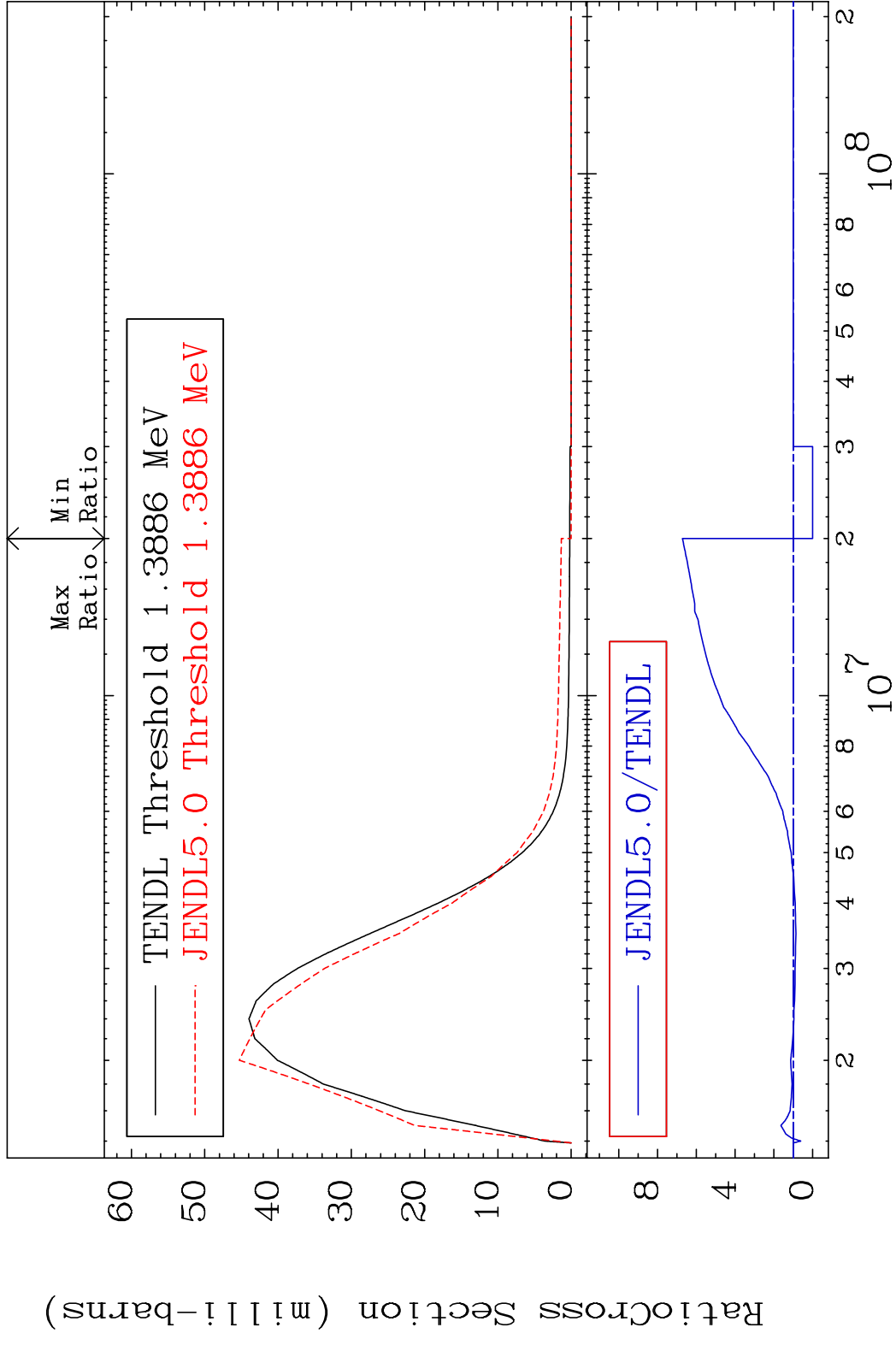
MAT 3531 MT= 73 (n, n') Level 35-Br-81
 Cross Section -100.0 To 1483. %



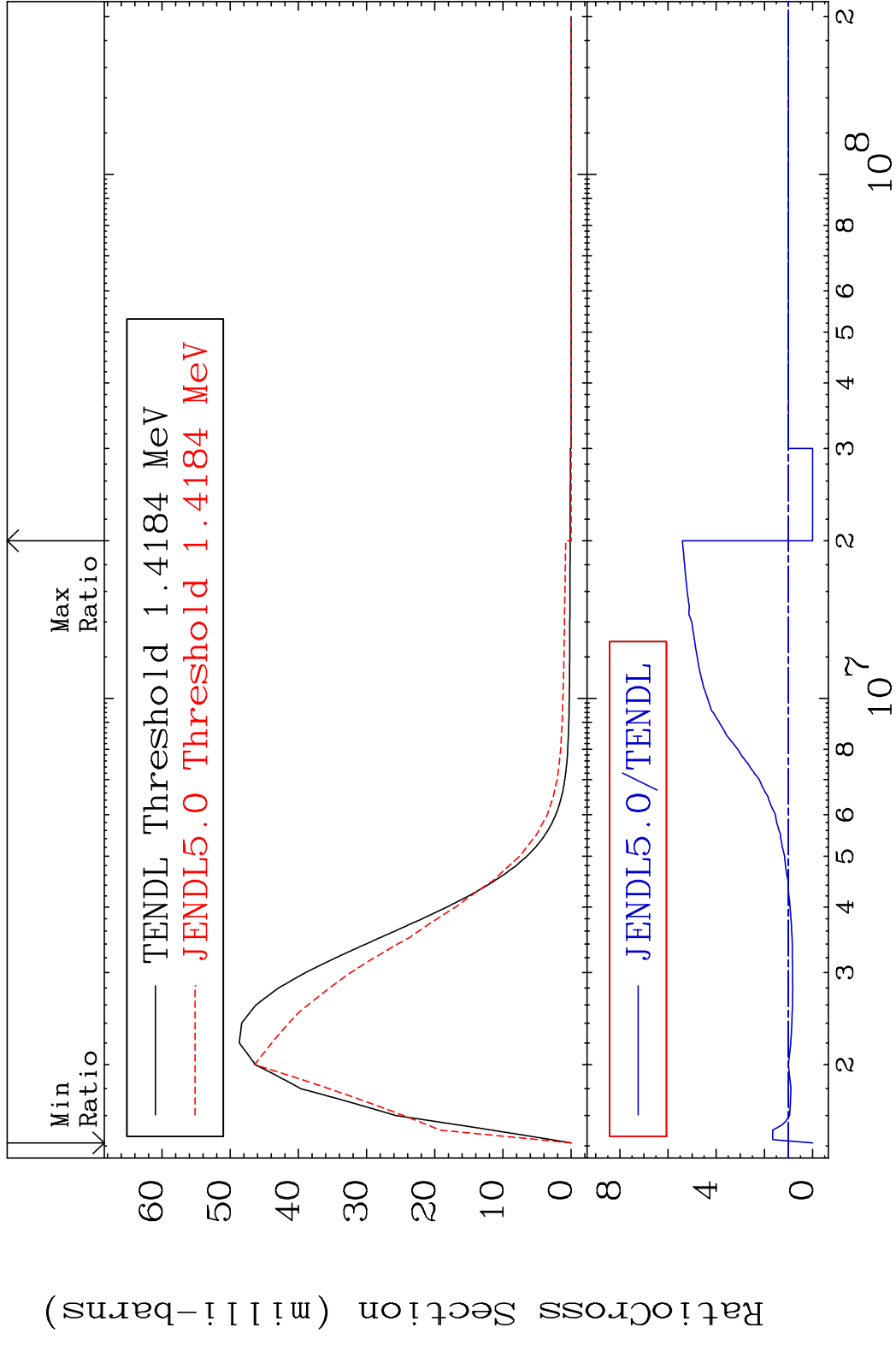
MAT 3531 MT= 74 (n, n') Level 35-Br-81
 Cross Section -100.0 To 457.6 %



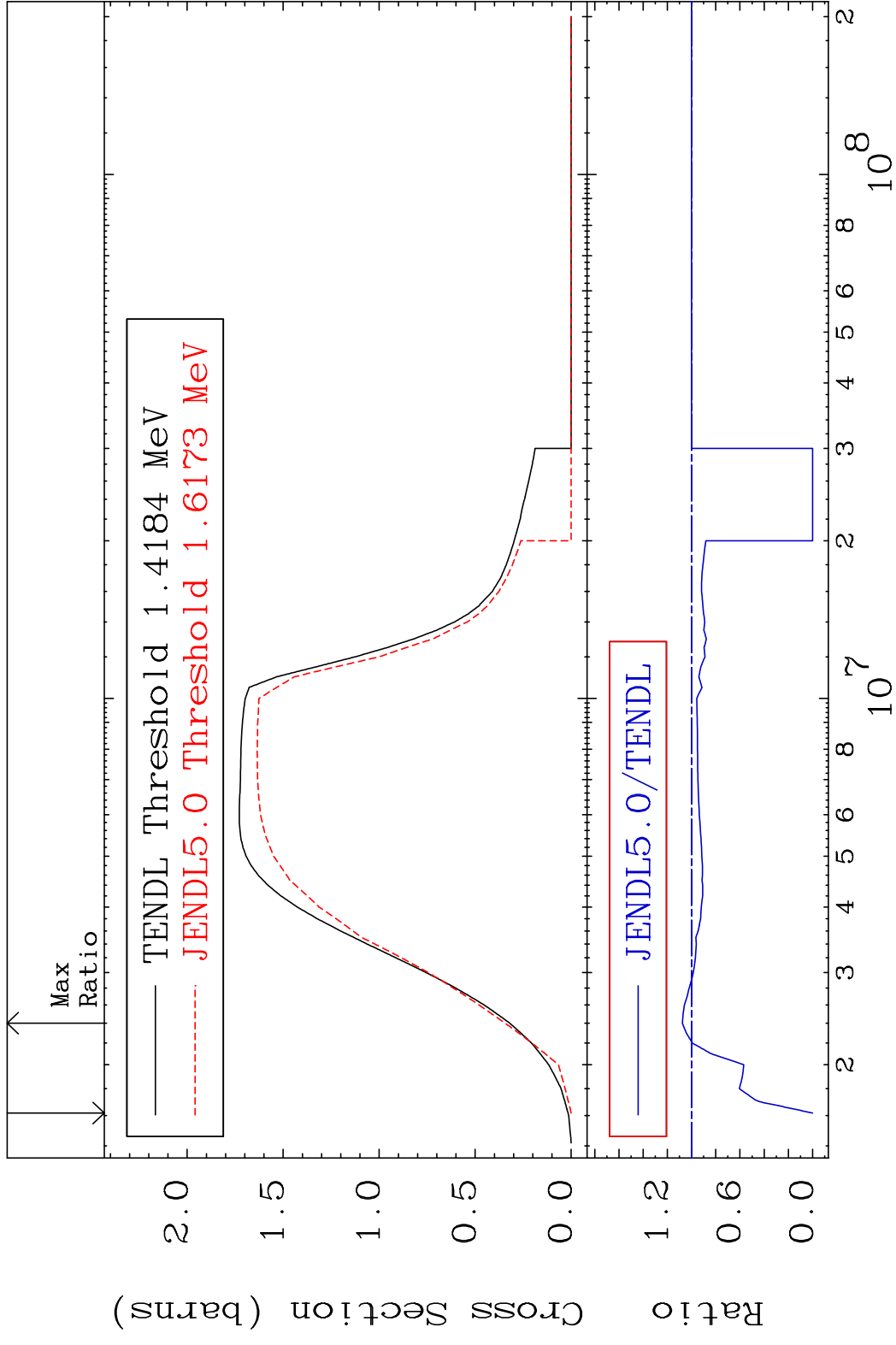
MAT 3531 MT= 75 (n, n') Level 35-Br-81
 Cross Section -100.0 To 571.8 %



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



MAT 3531 (n, n') Continuum 35-Br-81
 Cross Section -100.0 To 7.625 %

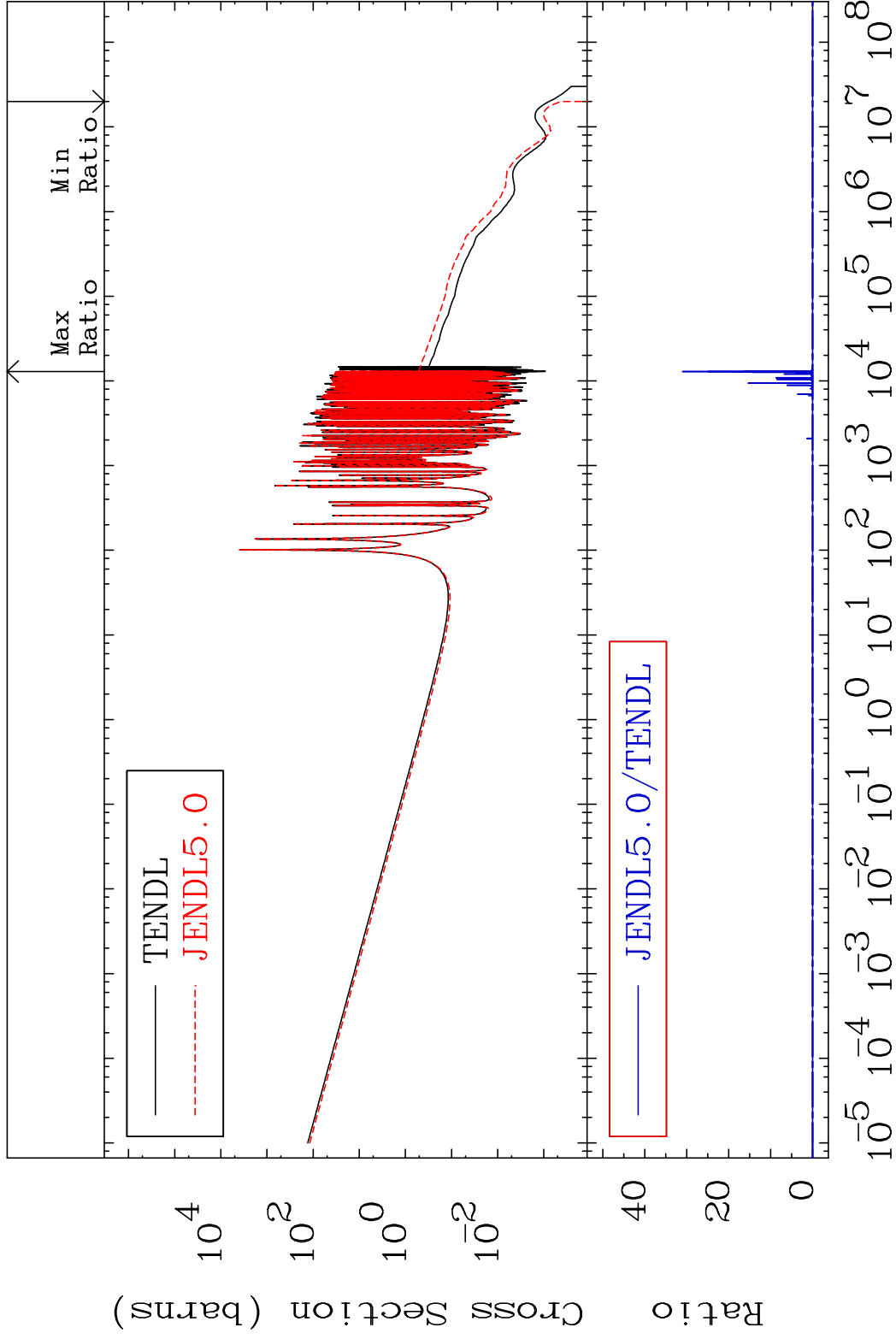


MAT 3531

(n, γ)

35-Br-81

Cross Section -100.0 To 9999. %

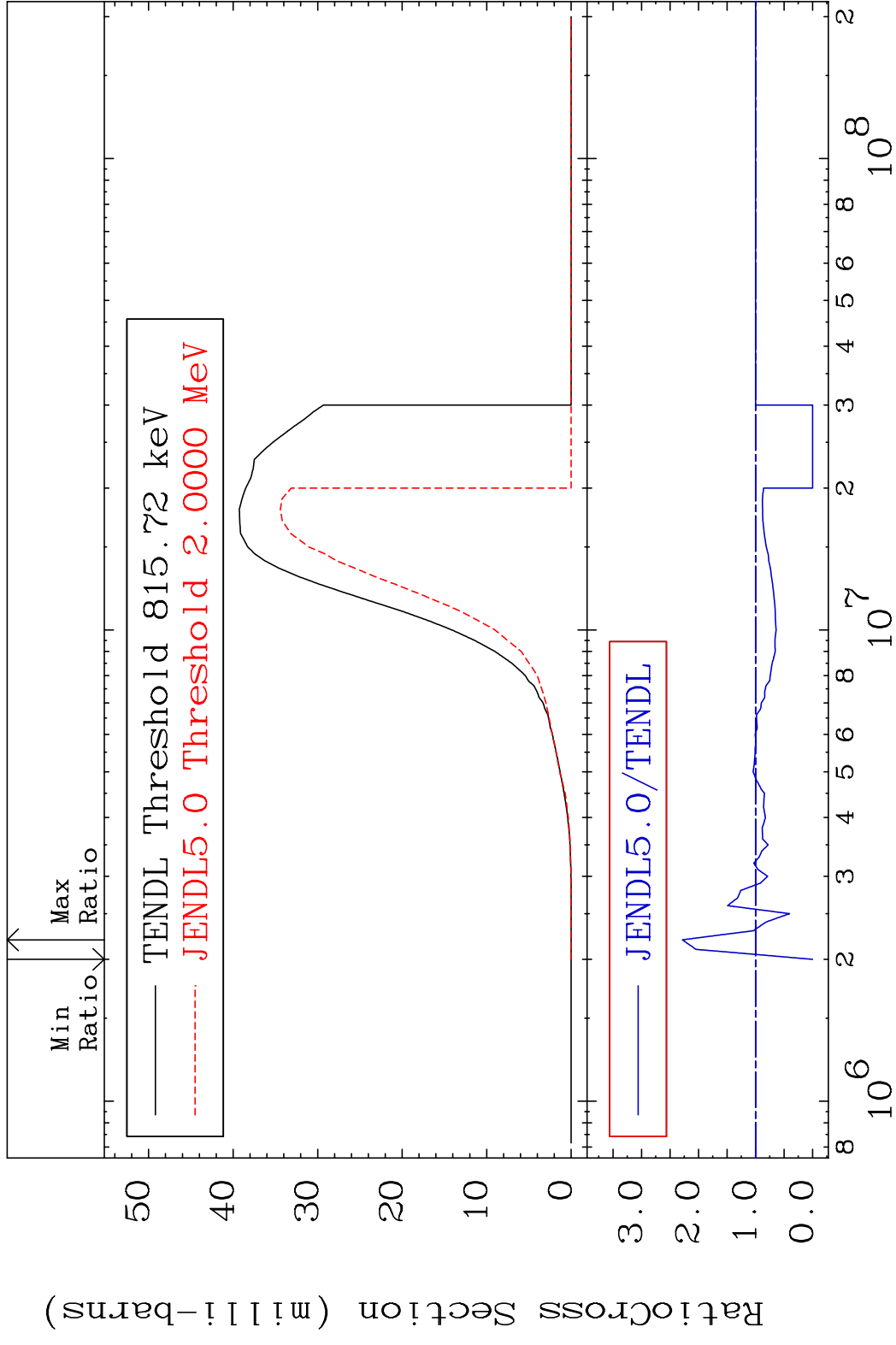


37

Incident Energy (eV)

35-Br-81

MAT 3531 (n,p) 35-Br-81
 Cross Section -100.0 To 128.3 %



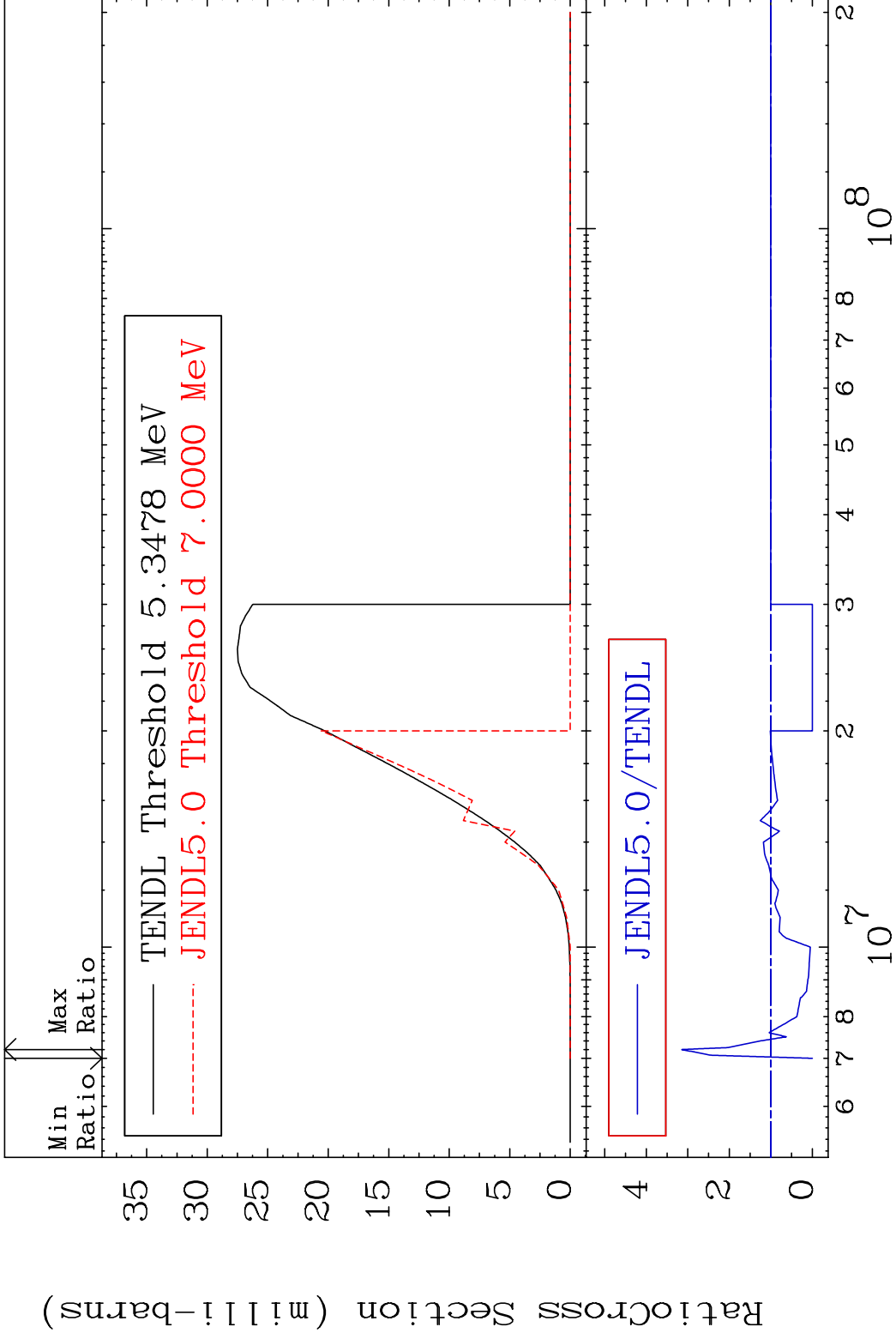
38 Incident Energy (eV) 35-Br-81

MAT 3531

(n, d)

35-Br-81

Cross Section -100.0 To 214.6 %



39

Incident Energy (eV)

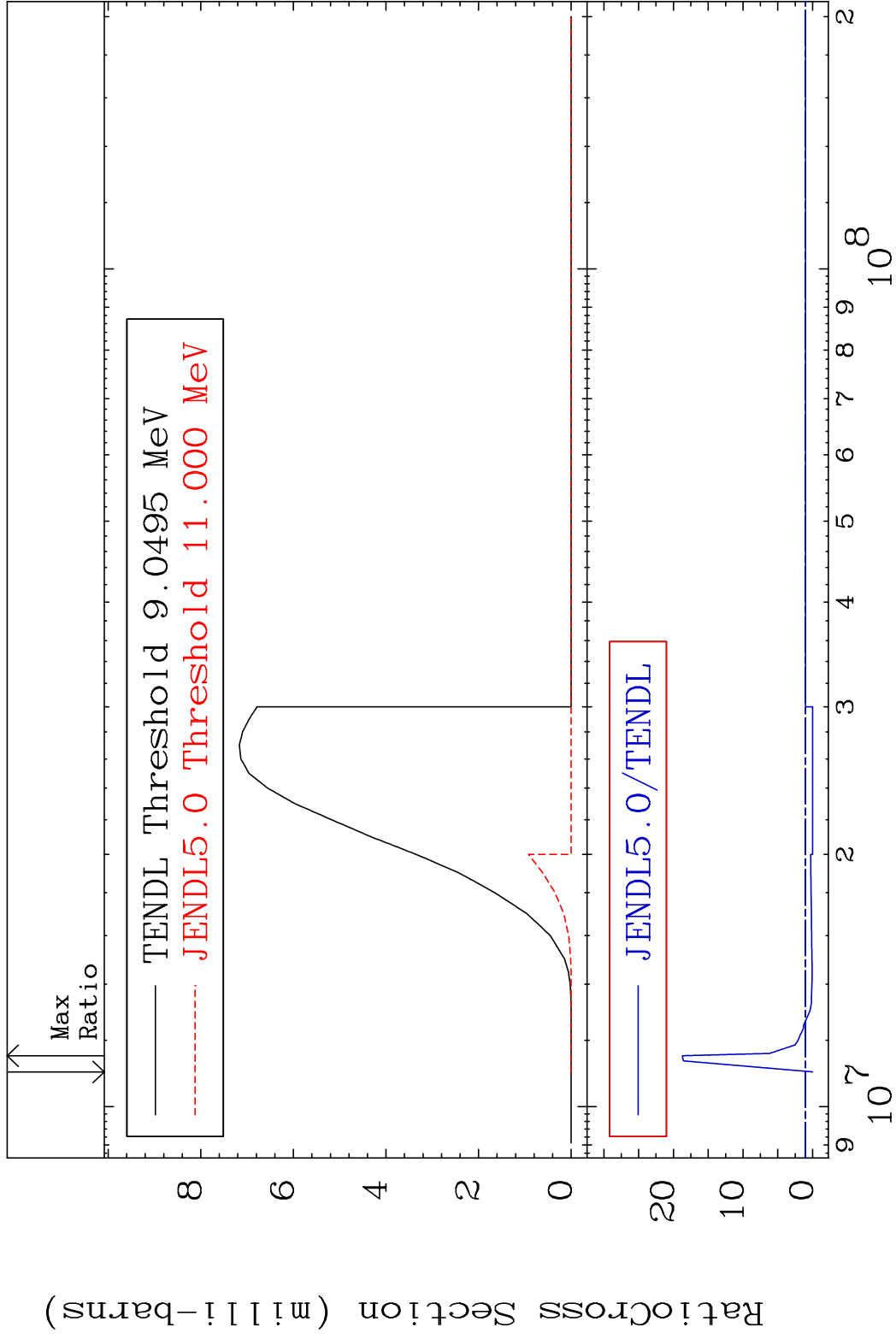
35-Br-81

MAT 3531

(n, t)

35-Br-81

Cross Section -100.0 To 1772. %



40

Incident Energy (eV)

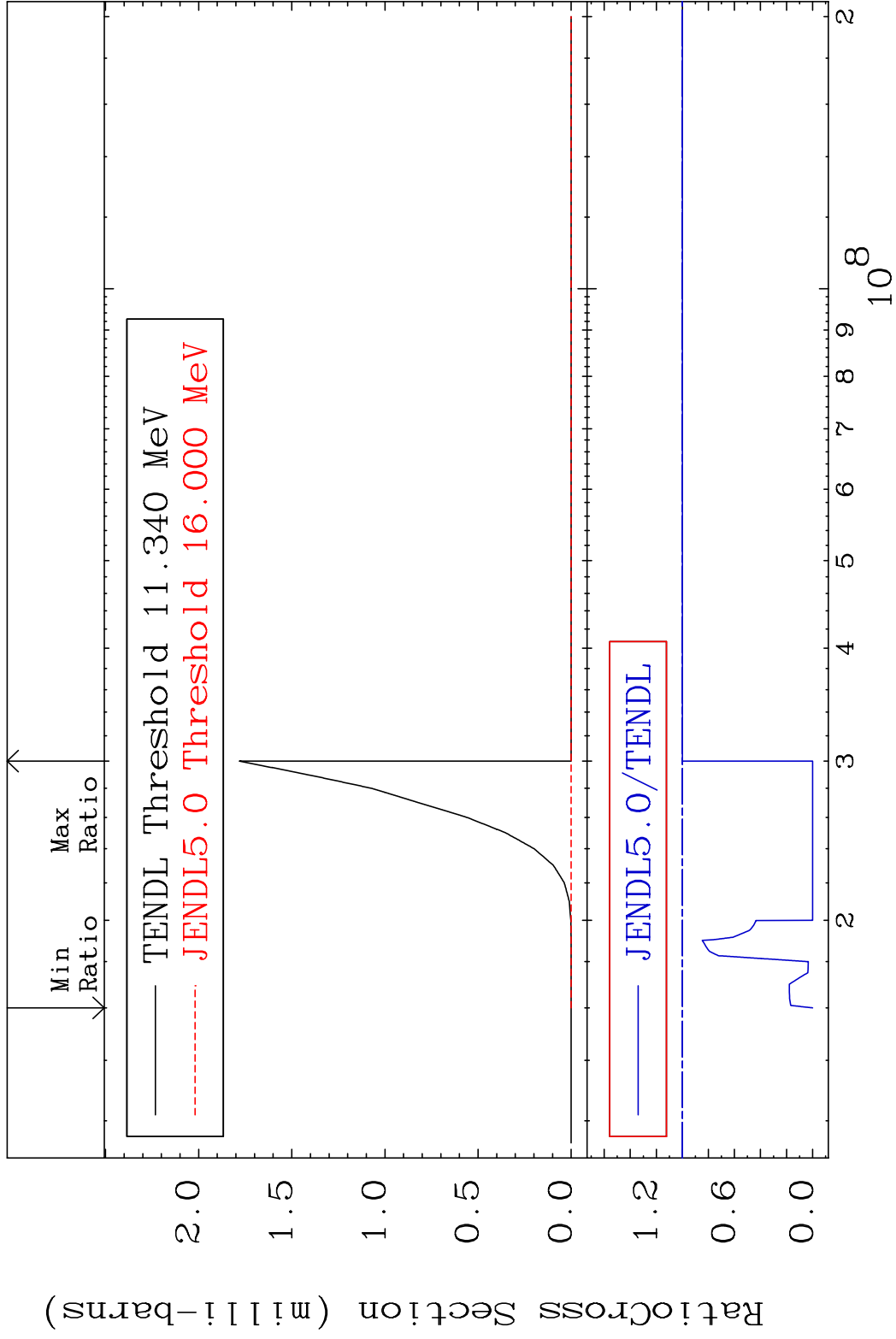
35-Br-81

MAT 3531

(n, He-3)

35-Br-81

Cross Section -100.0 To 0.000 %

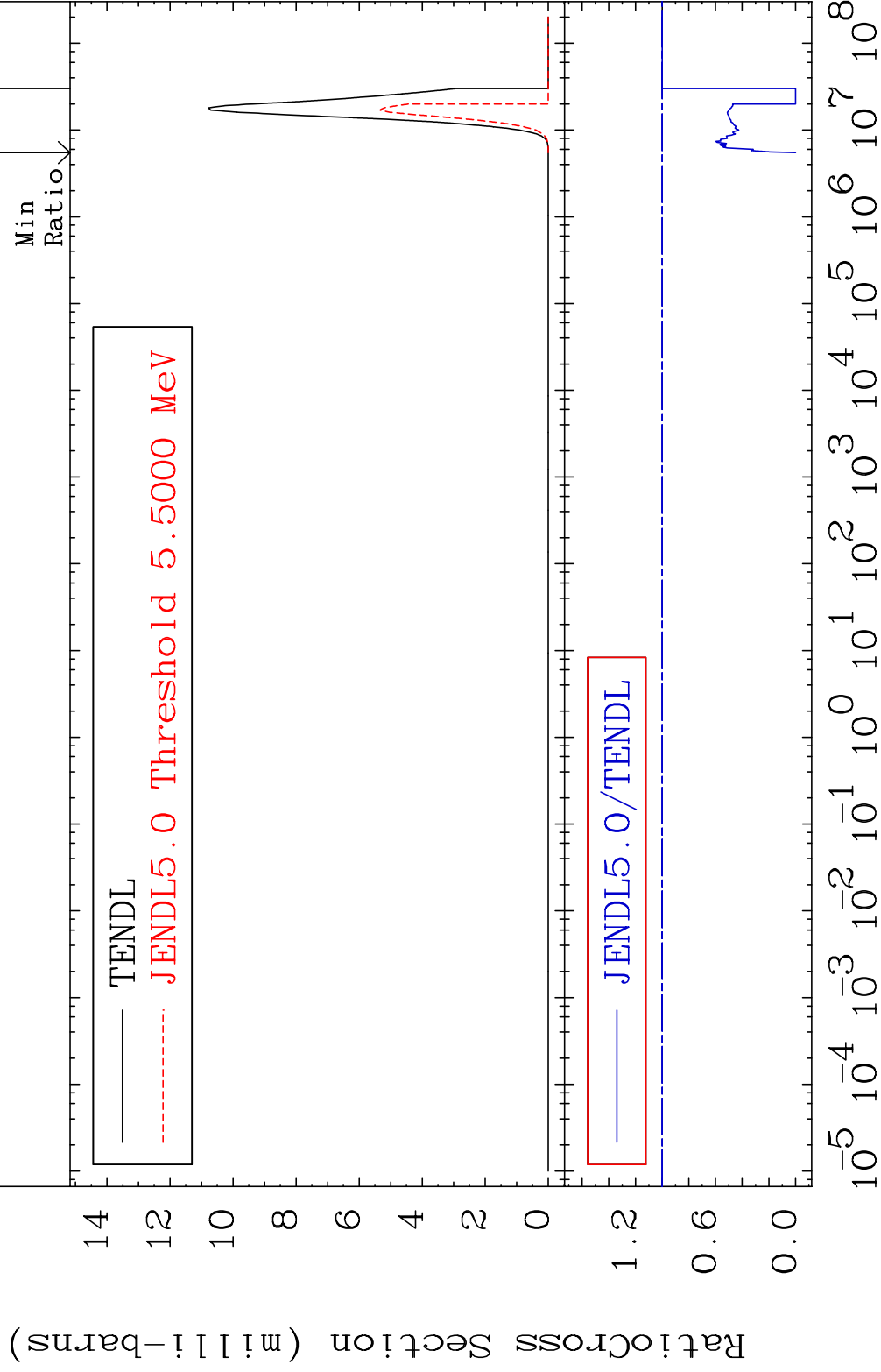


MAT 3531

(n, α)

35-Br-81

Cross Section -100.0 To 0.000 %



42

Incident Energy (eV)

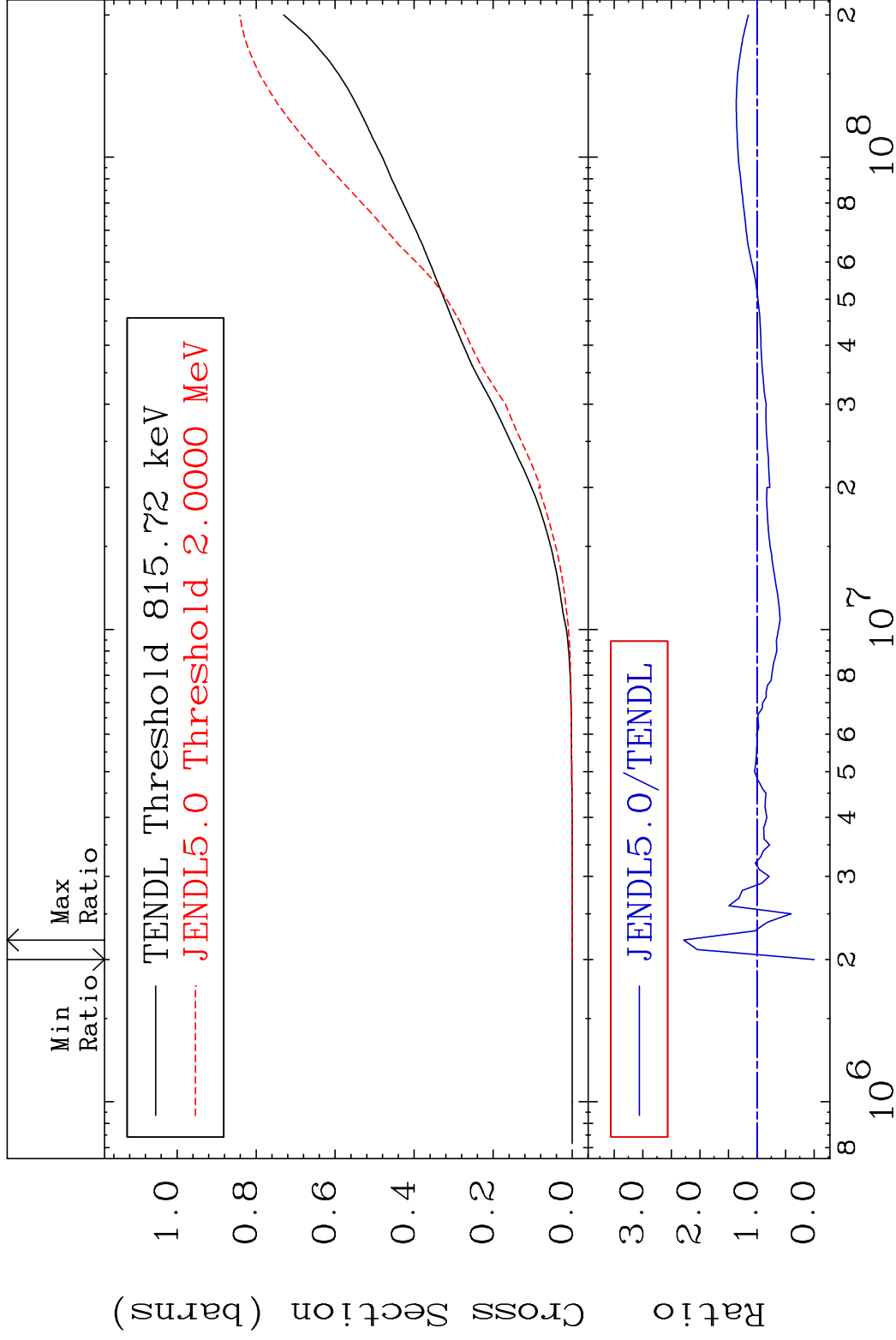
35-Br-81

MAT 3531

Hydrogen Production

35-Br-81

Cross Section -100.0 To 128.3 %

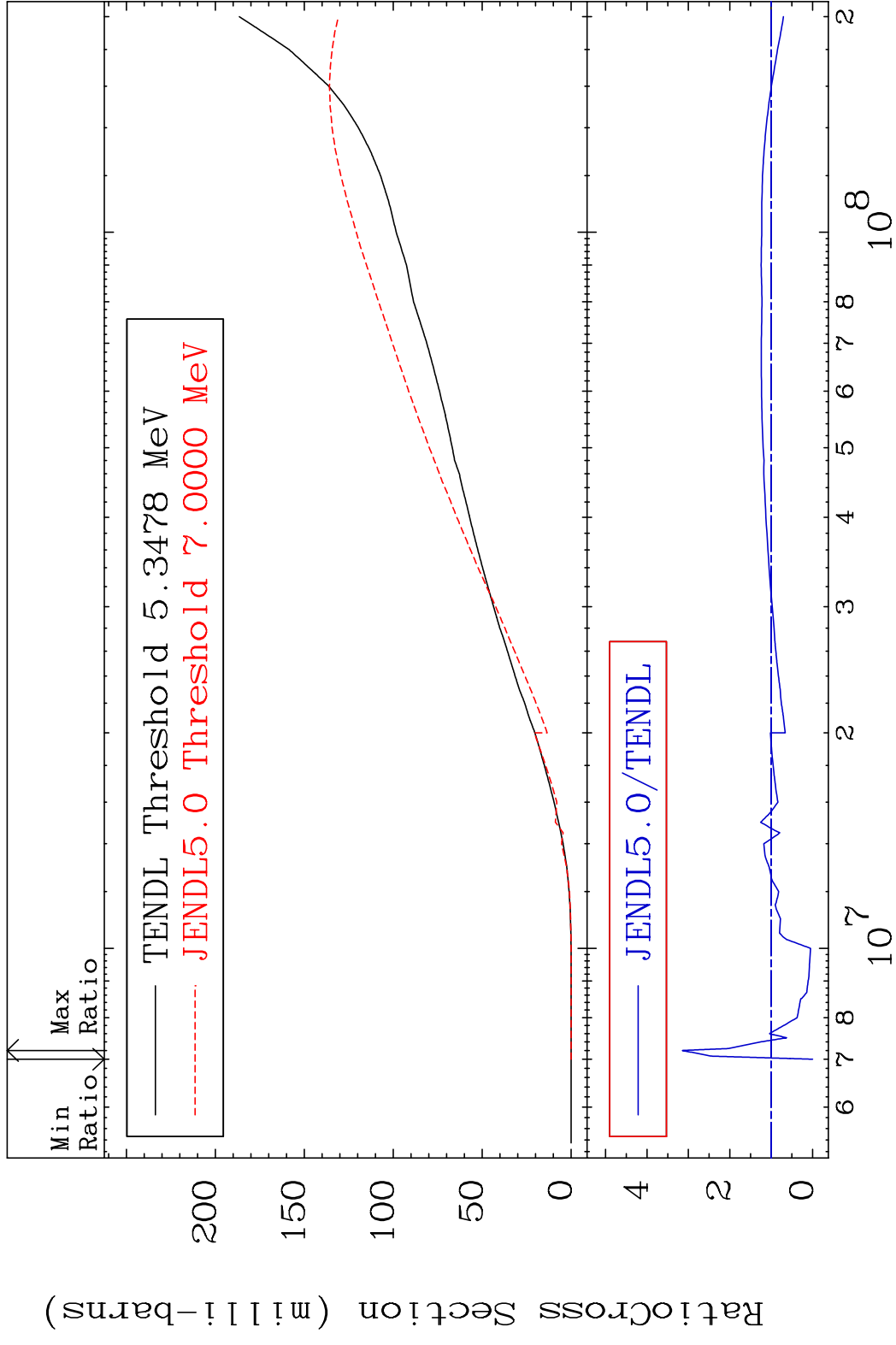


43

Incident Energy (eV)

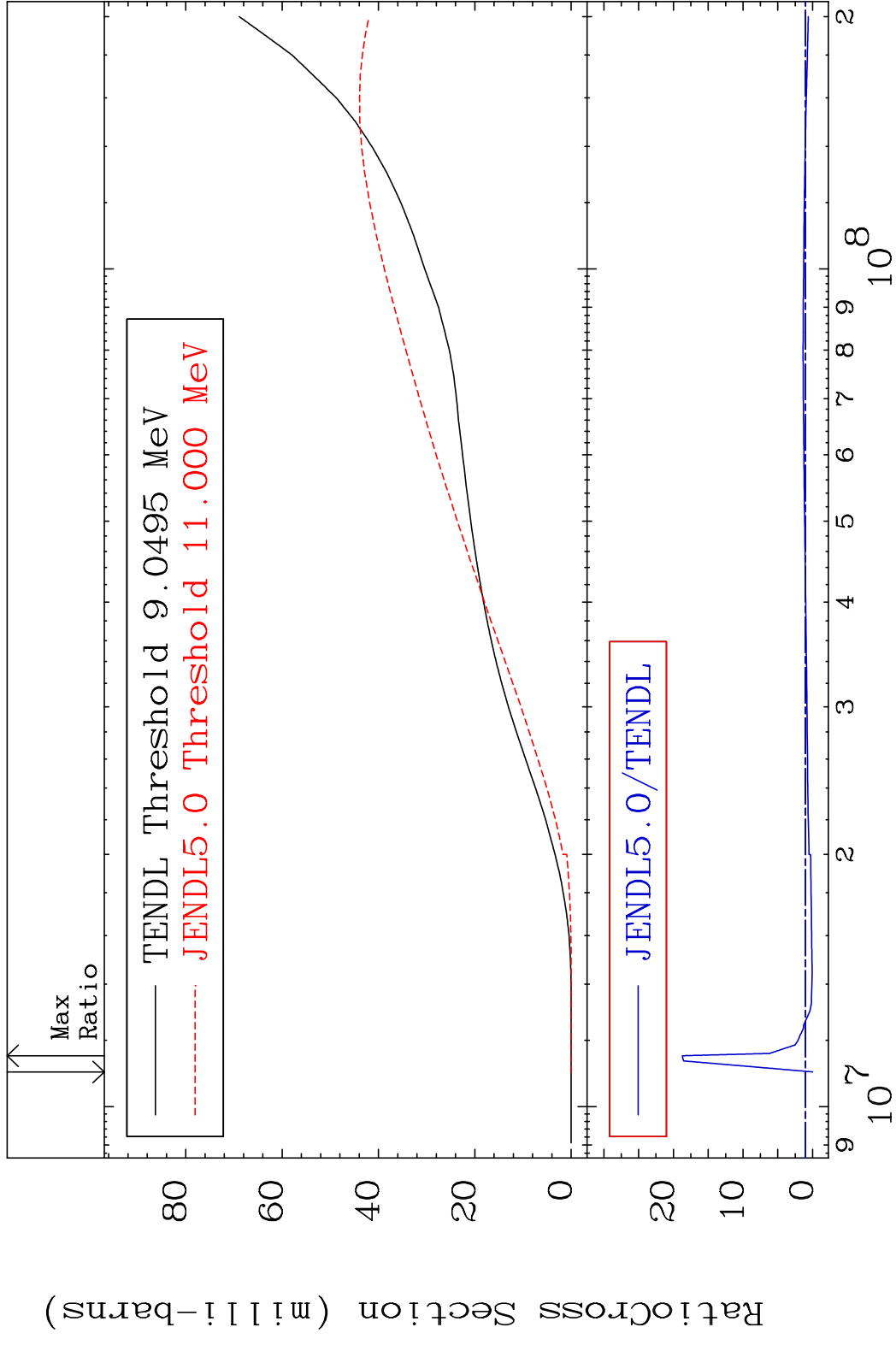
35-Br-81

MAT 3531 Deuterium Production 35-Br-81
 Cross Section -100.0 To 214.6 %



44 35-Br-81

MAT 3531 Tritium Production 35-Br-81
 Cross Section -100.0 To 1772. %



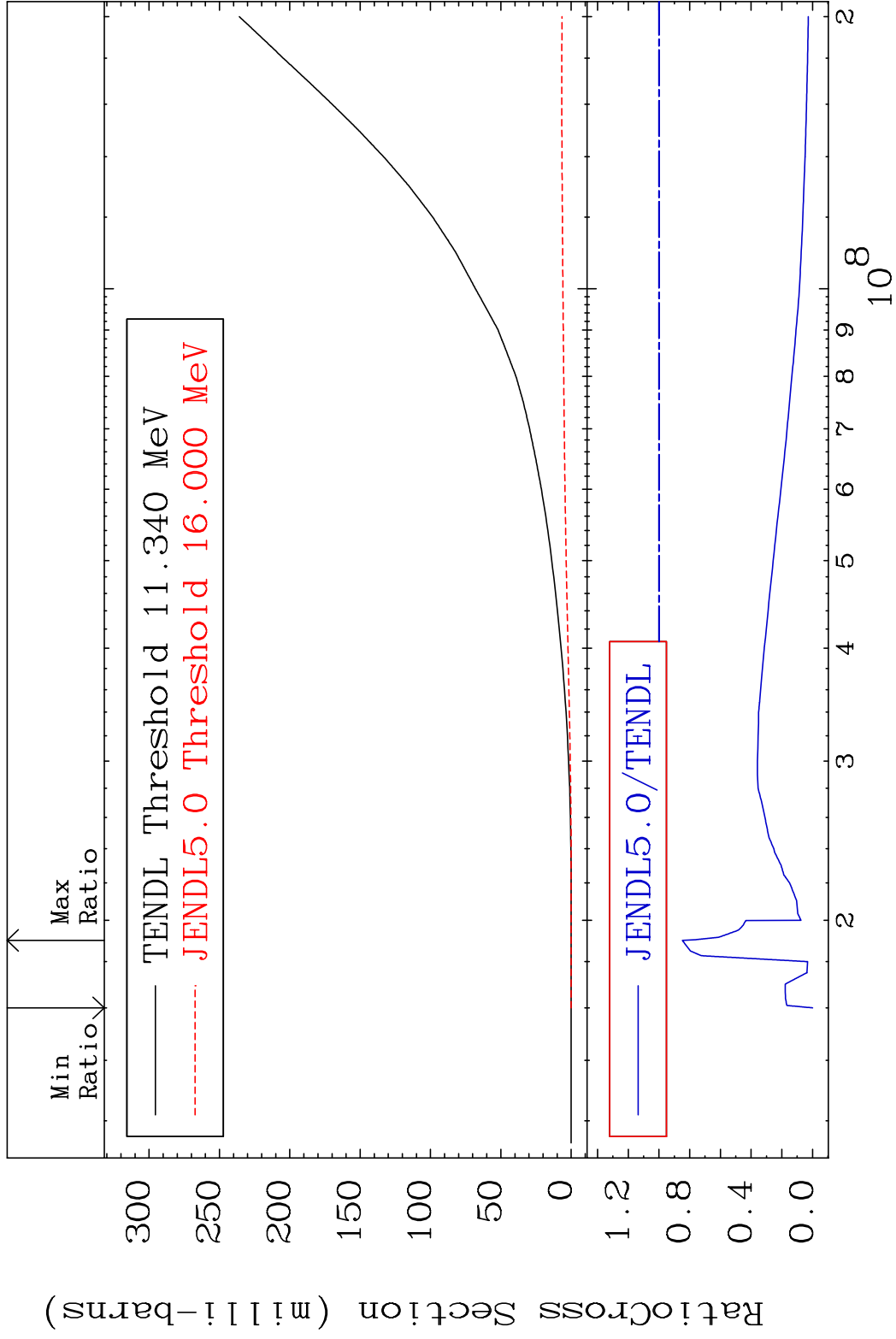
45 Incident Energy (eV) 35-Br-81

MAT 3531

He-3 Production

35-Br-81

Cross Section -100.0 To -15.20%



46

Incident Energy (eV)

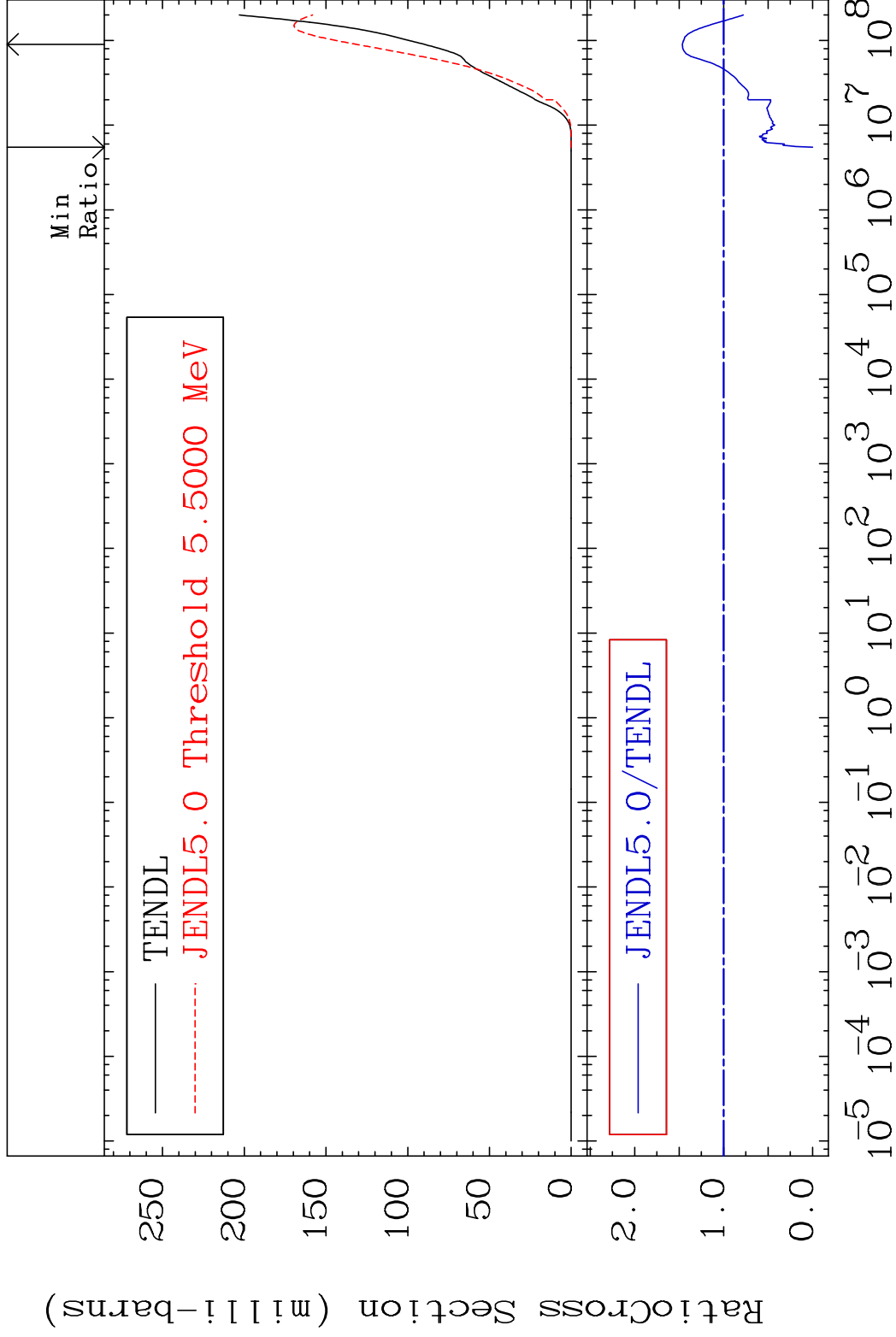
35-Br-81

MAT 3531

He-4 Production

35-Br-81

Cross Section -100.0 To 46.39 %

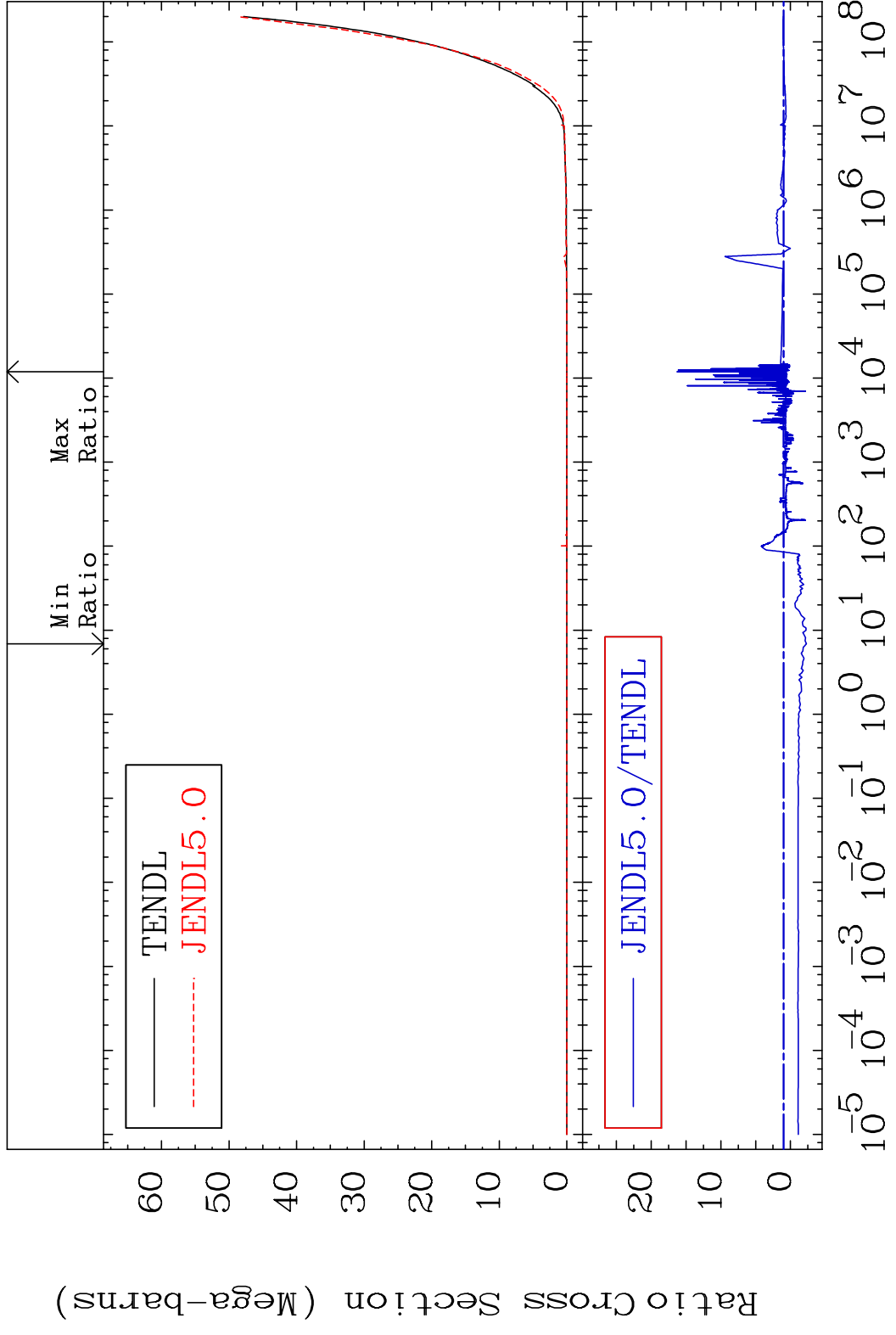


47

Incident Energy (eV)

35-Br-81

MAT 3531 Kerma total (eV-barns) 35-Br-81
Cross Section -328.7 To 1527. %

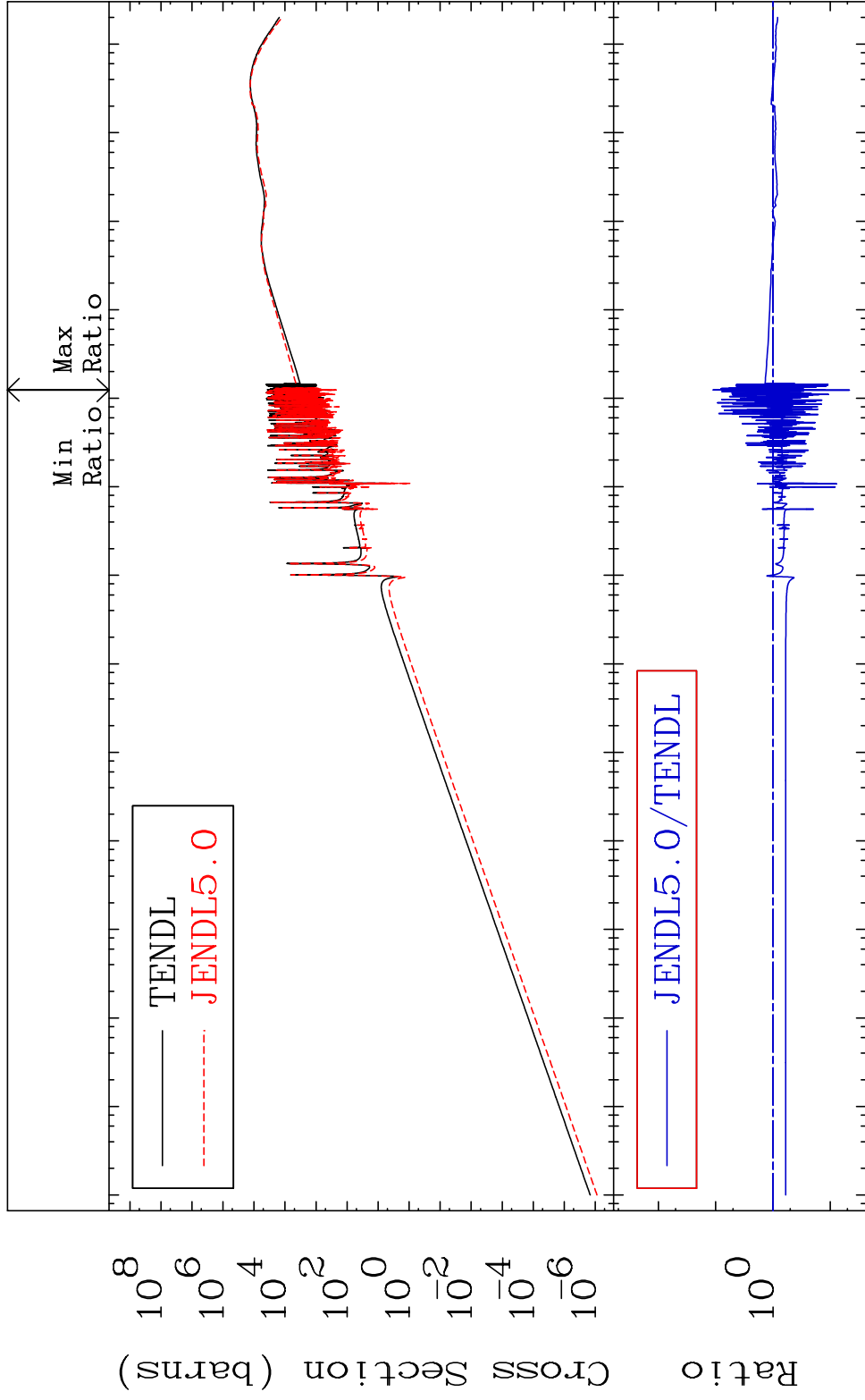


48 35-Br-81

MAT 3531

Kerma elastic
Cross Section -95.36 To 1006. %

35-Br-81

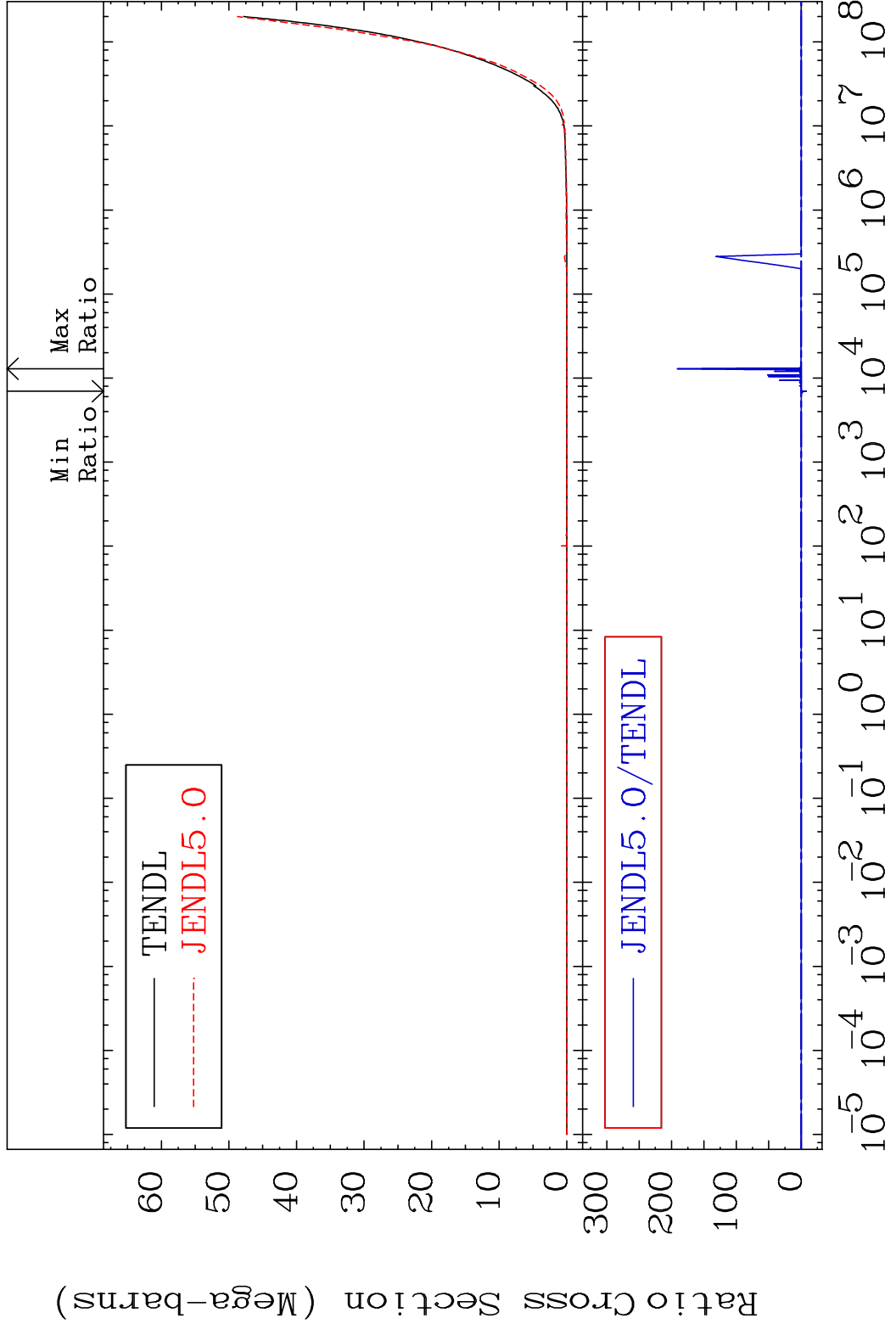


49

Incident Energy (eV)

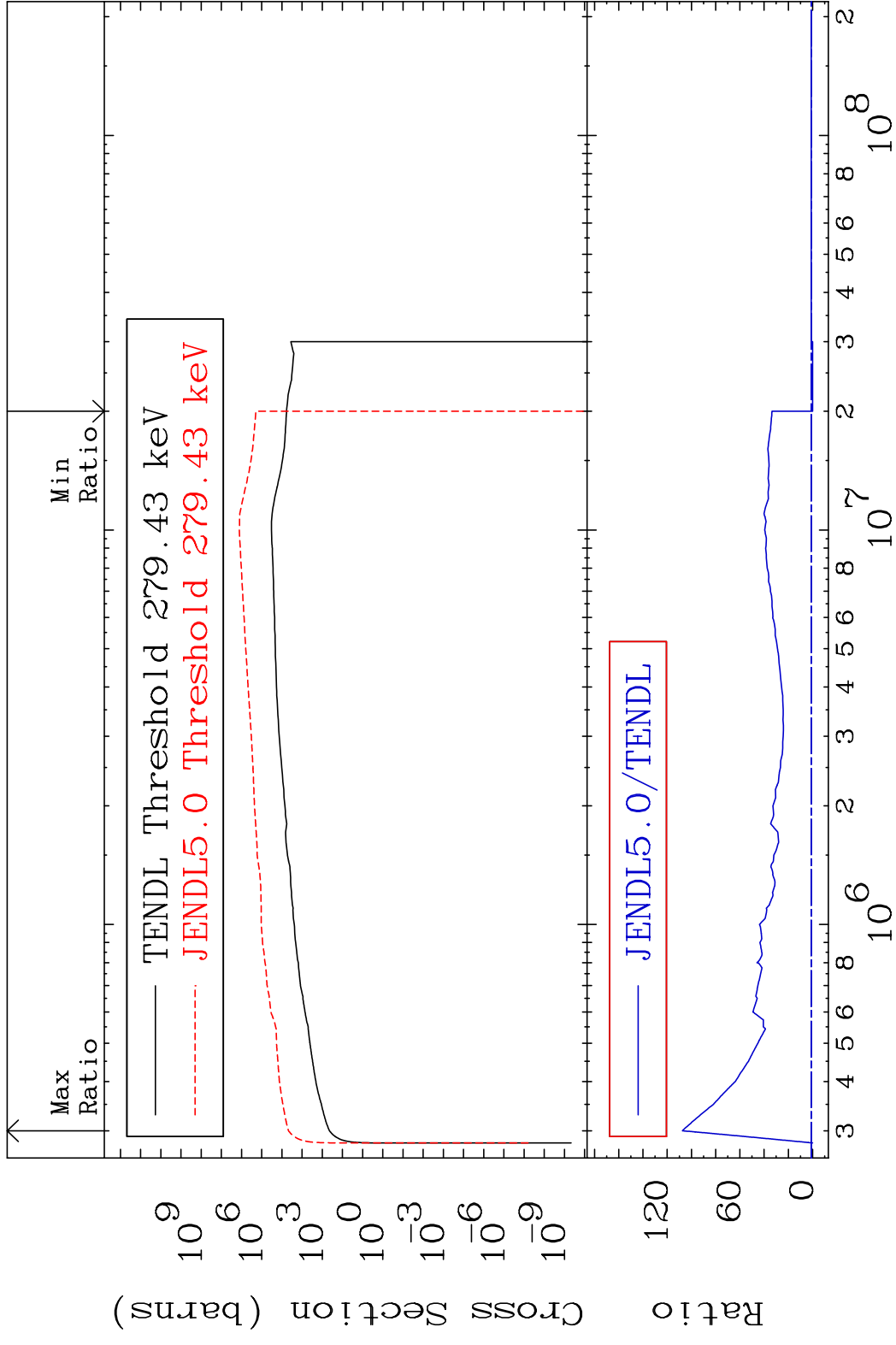
35-Br-81

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

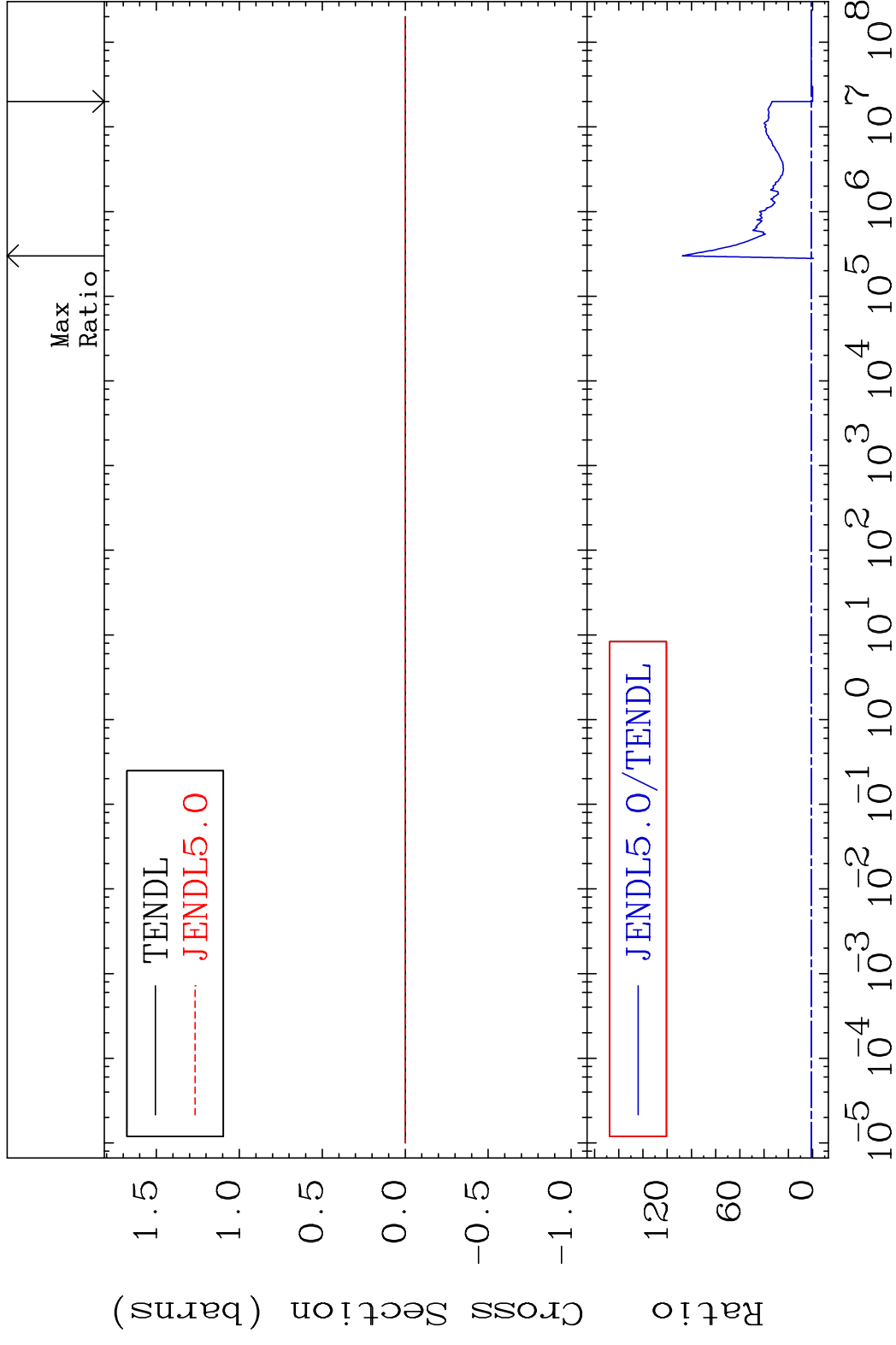


50 35-Br-81

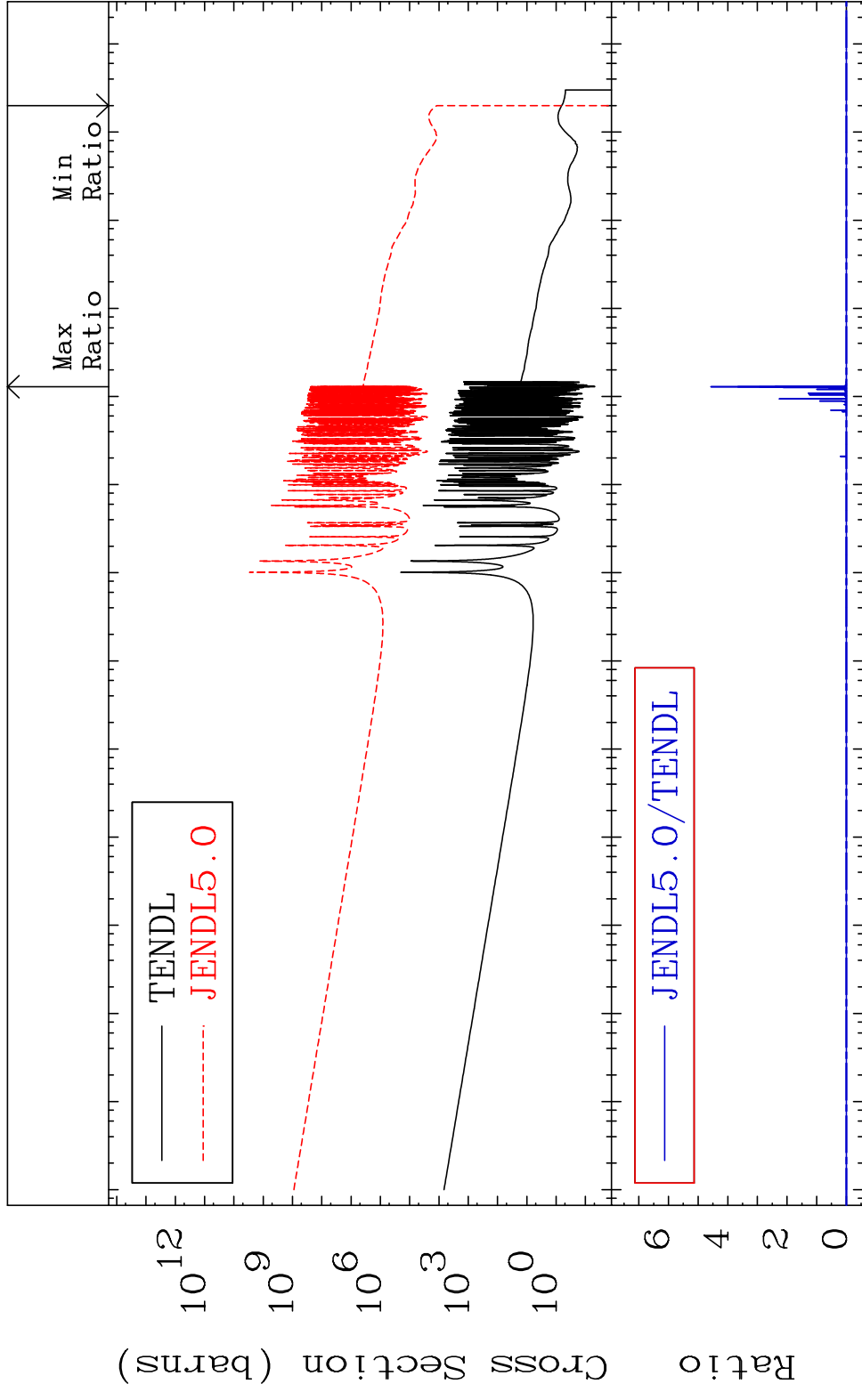
MAT 3531 Kerma inelastic (mt51-91) 35-Br-81
 Cross Section -100.0 To 9999. %



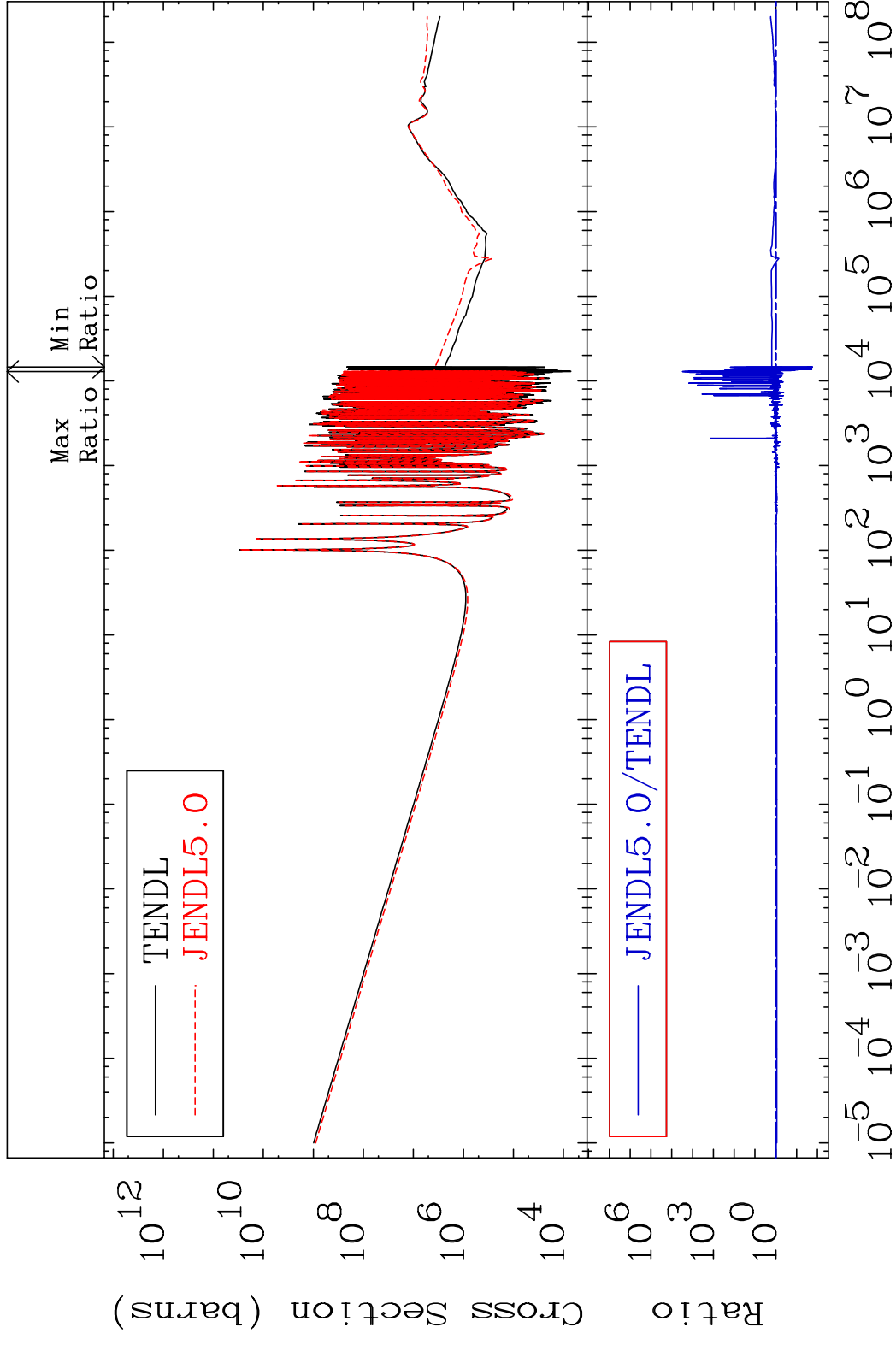
MAT 3531 Kerma fission (mt18 or mt19-20-21-38) 35-Br-81
 Cross Section -100.0 To 9999. %



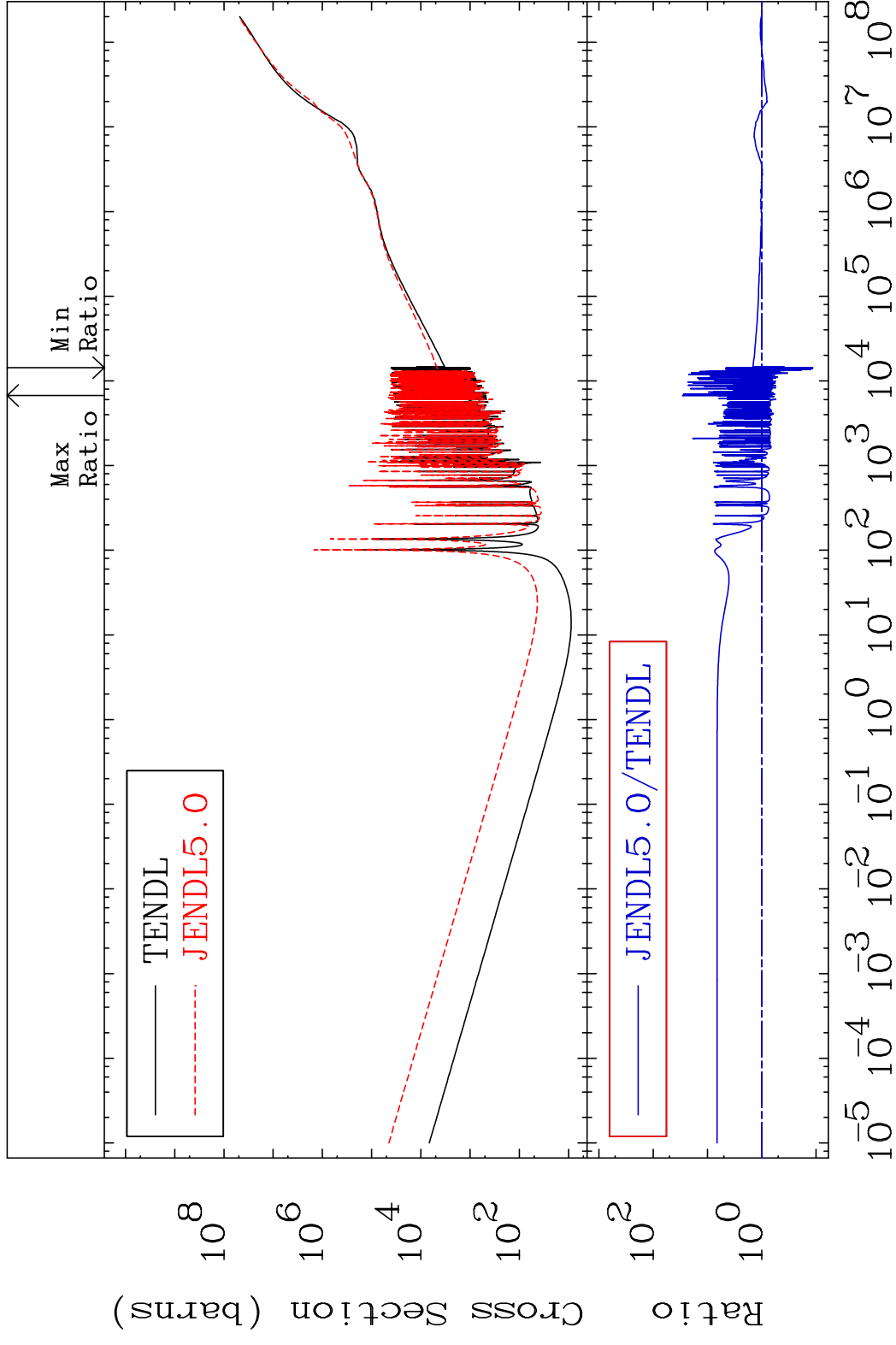
MAT 3531 Kerma capture (mt102) 35-Br-81
 Cross Section -100.0 To 9999. %



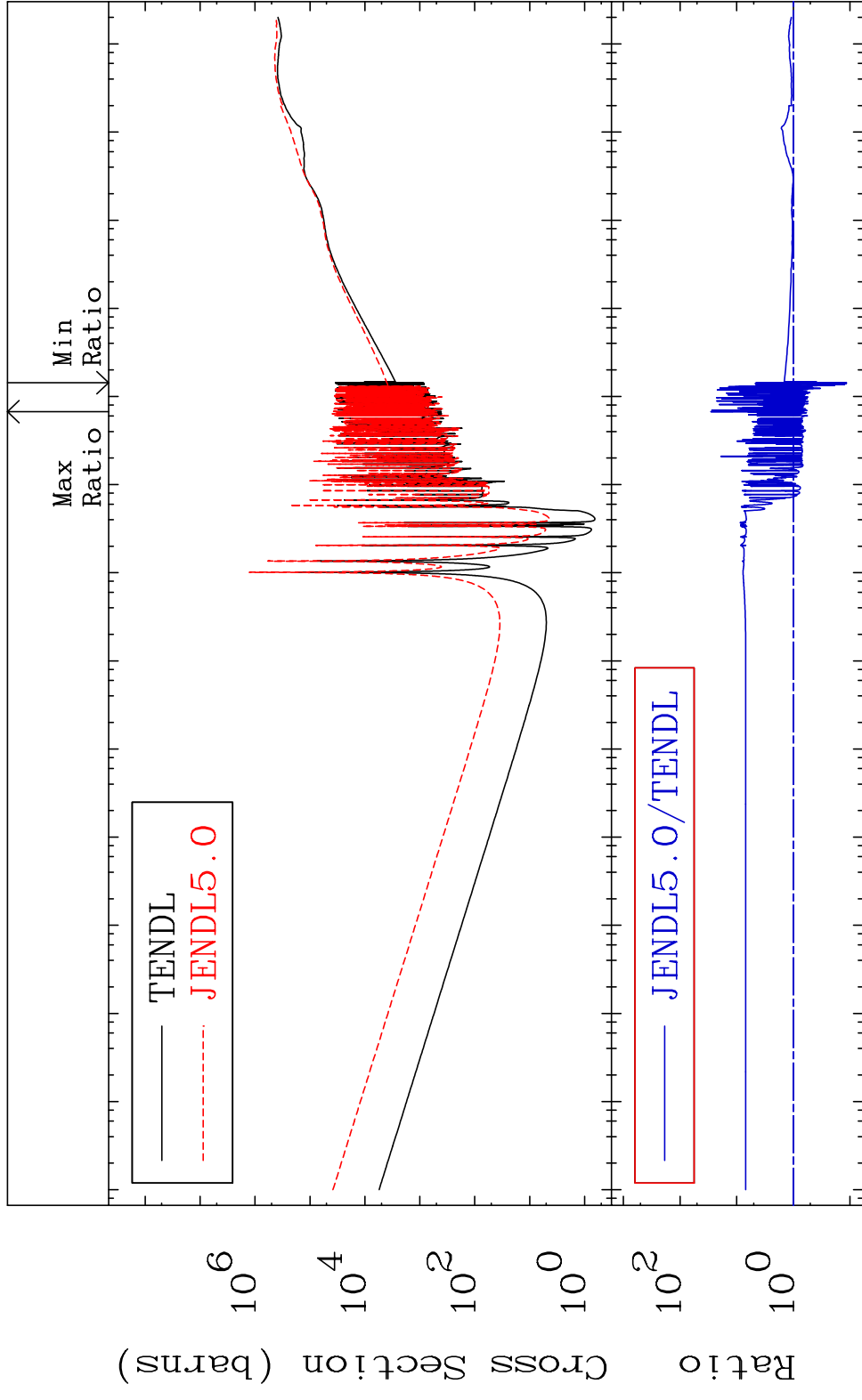
MAT 3531 Total photon (eV-barns) 35-Br-81
 Cross Section -98.28 To 9999. %



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. %

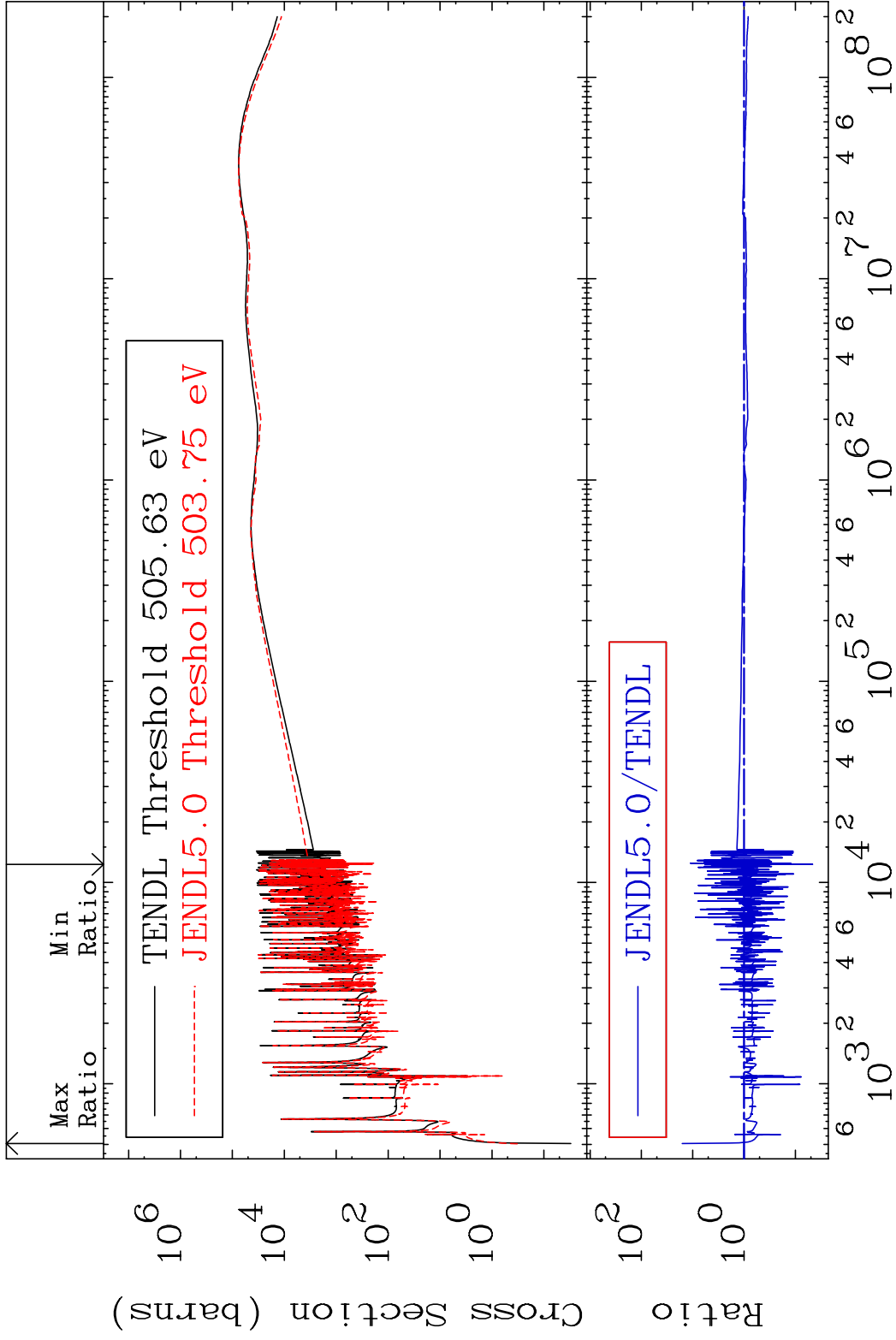


MAT 3531

Dpa elastic (mt2)

35-Br-81

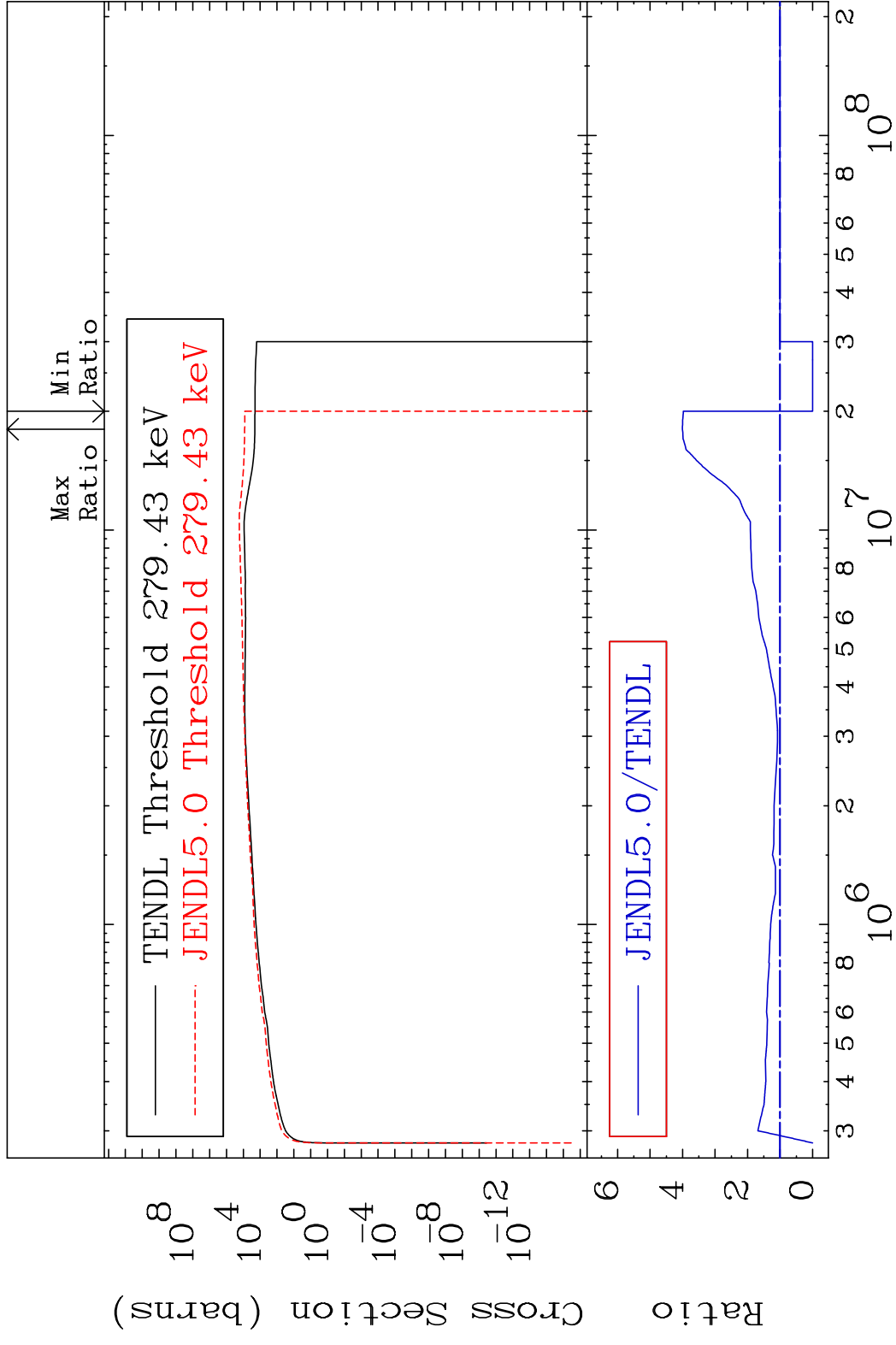
Cross Section -95.36 To 1508. %



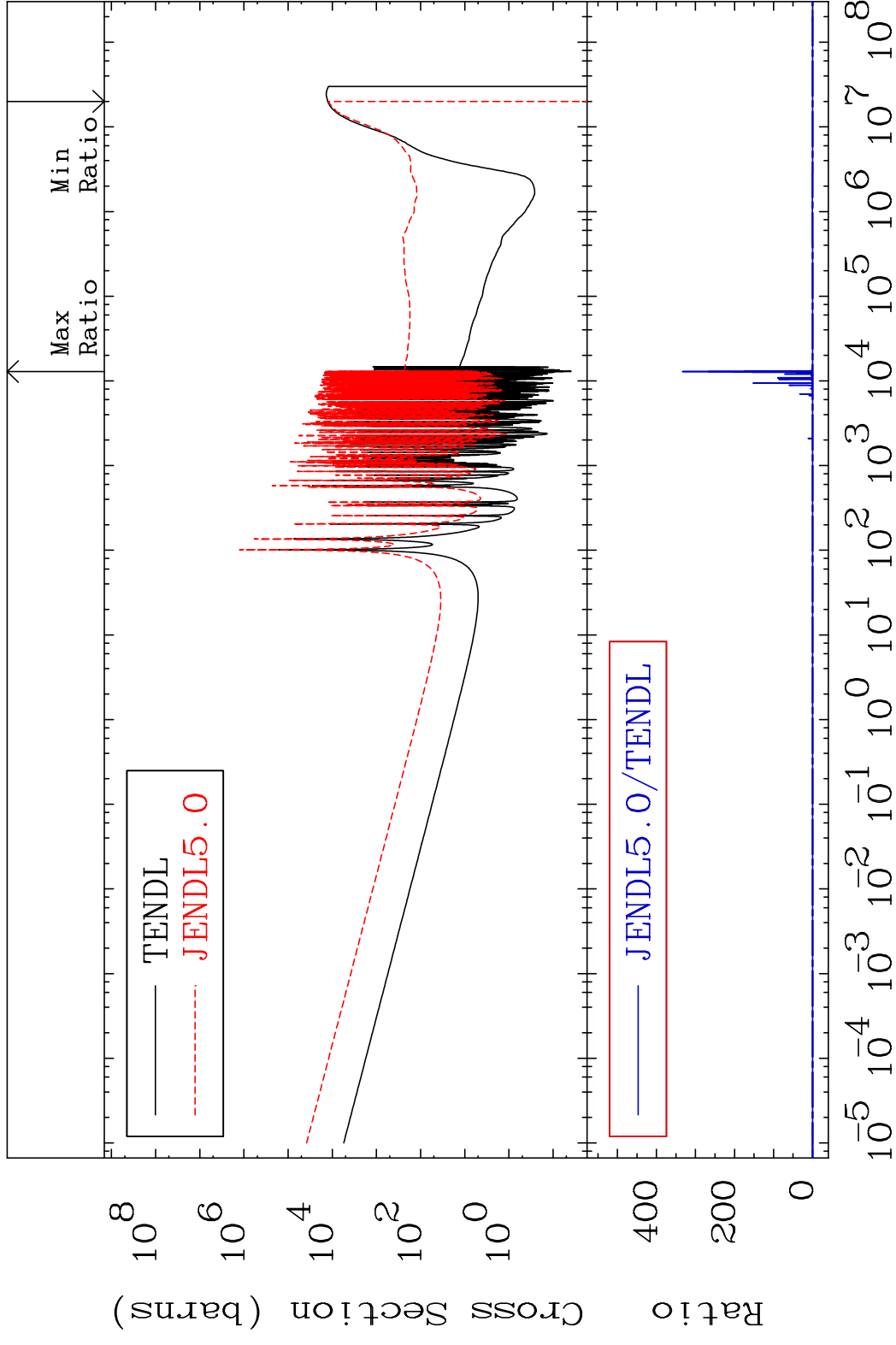
57

Incident Energy (eV)

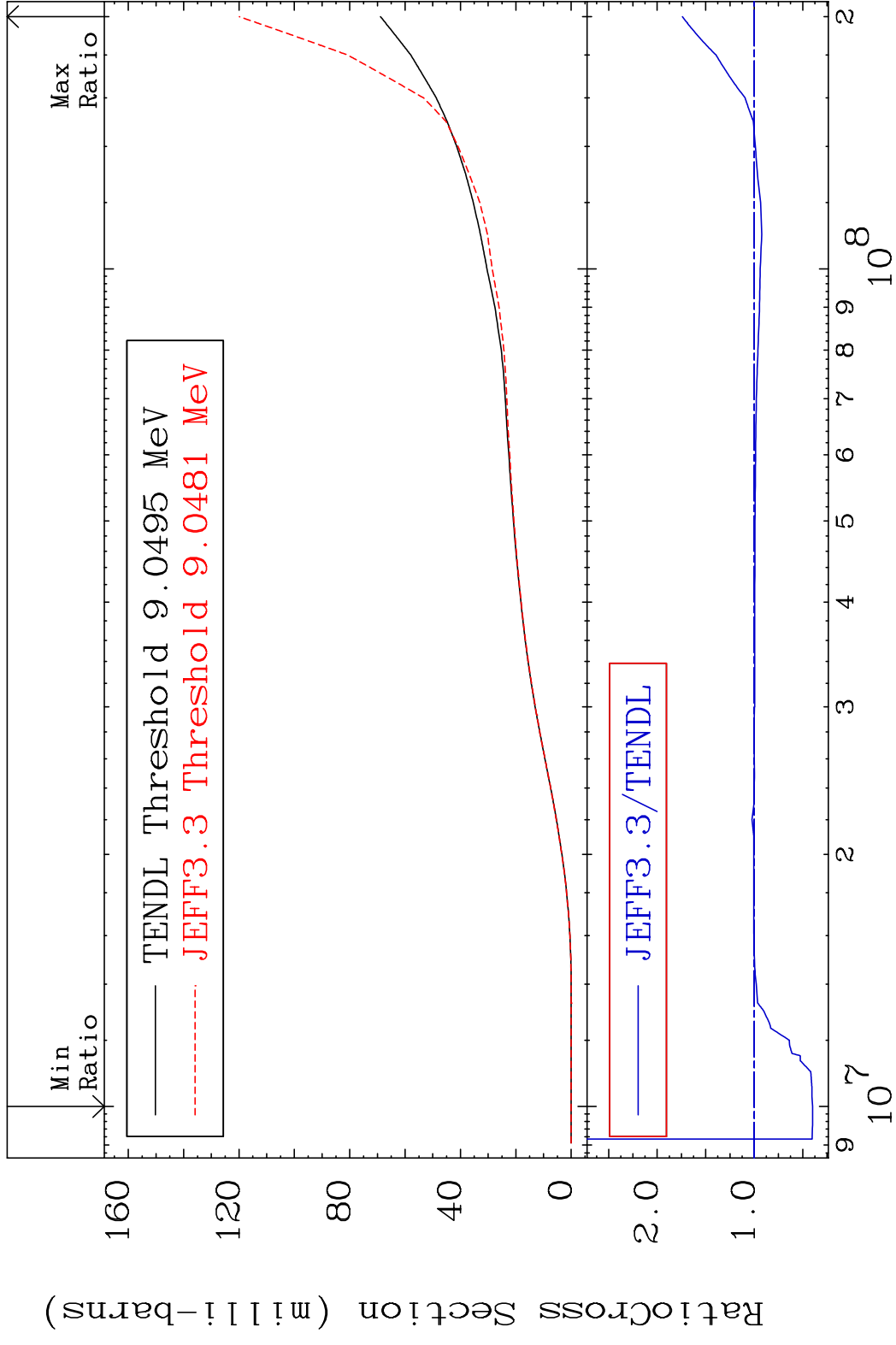
35-Br-81



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



MAT 3531 Tritium Production 35-Br-81
 Cross Section -60.15 To 74.06 %



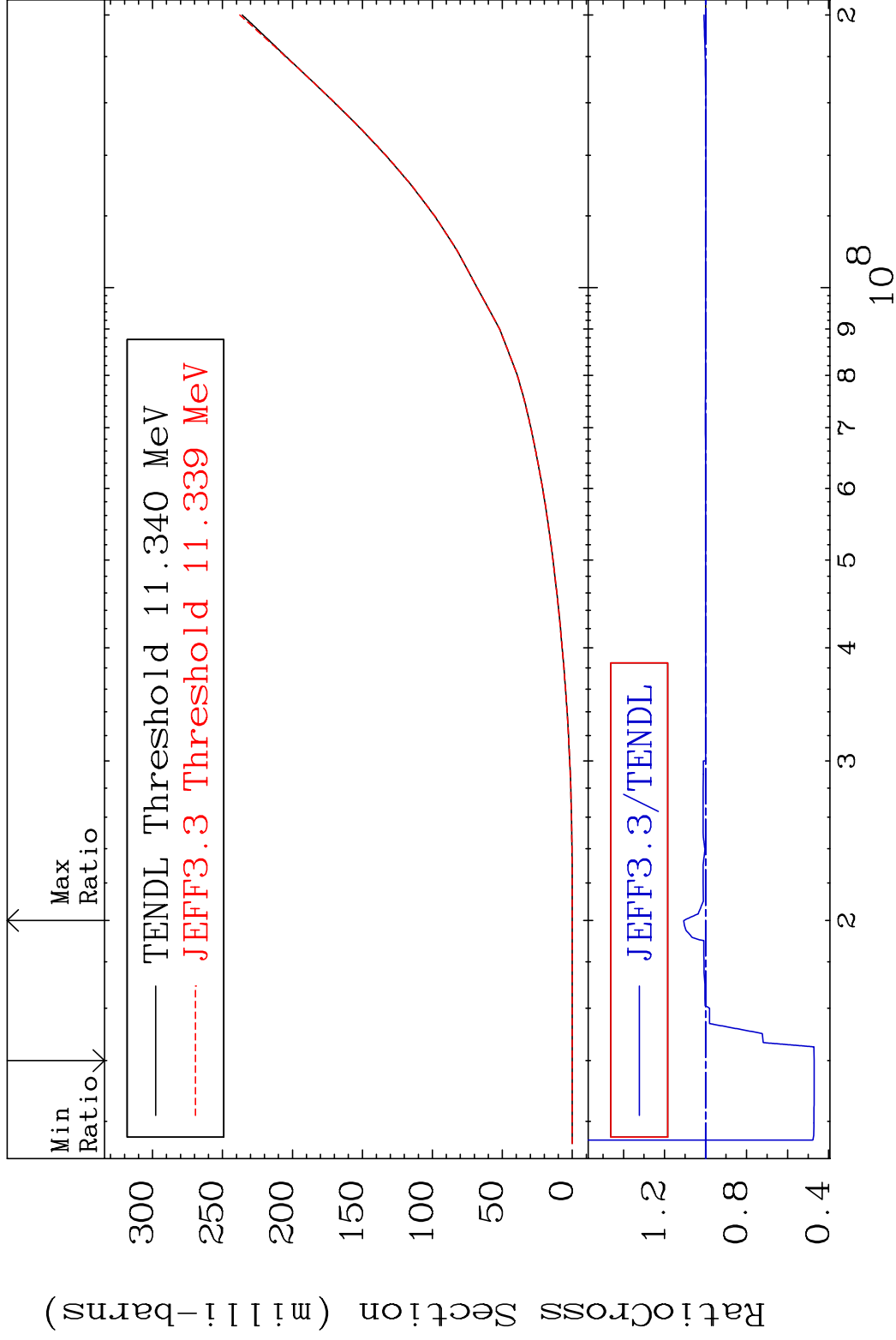
60 35-Br-81

MAT 3531

He-3 Production

35-Br-81

Cross Section -52.93 To 10.68 %



61

Incident Energy (eV)

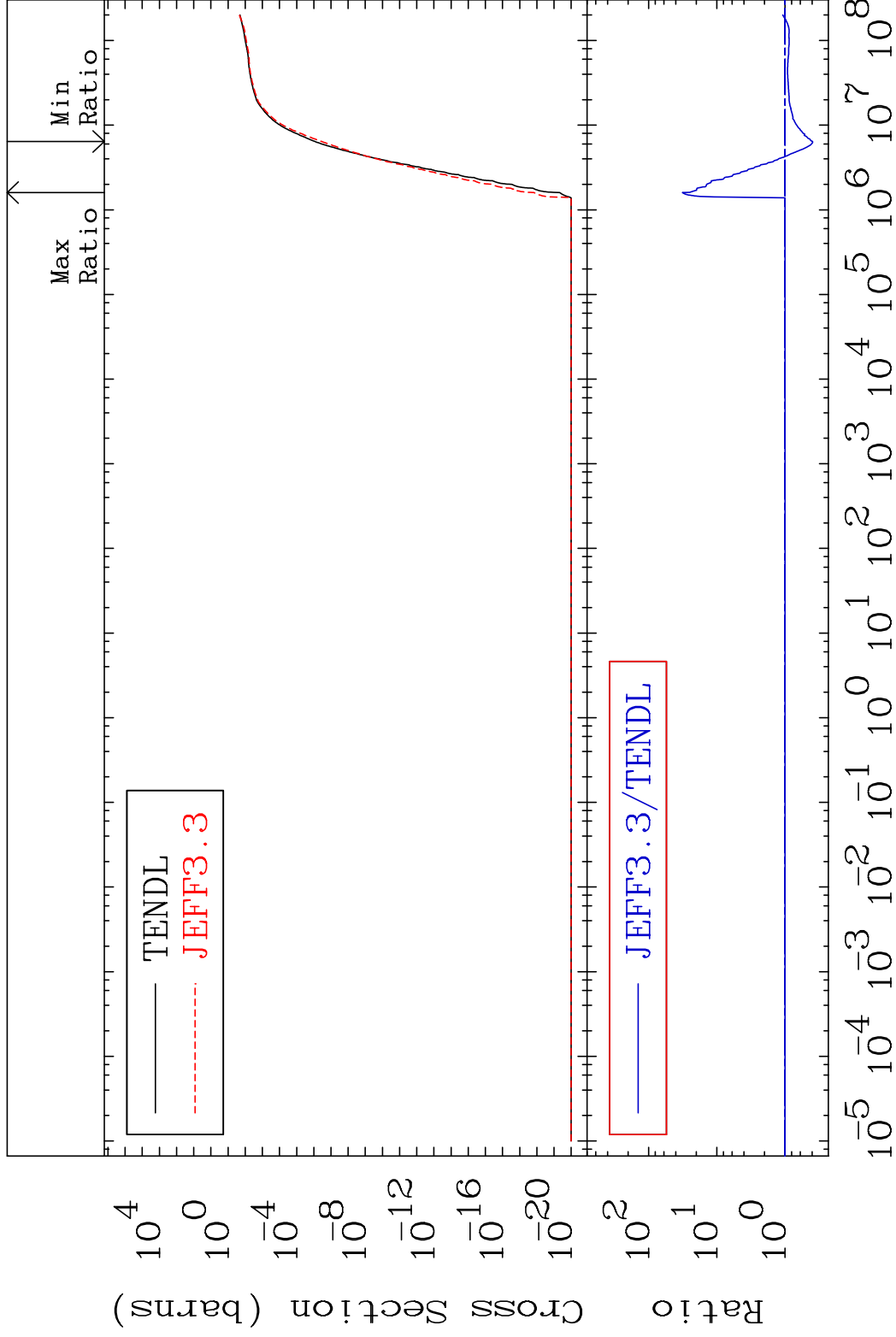
35-Br-81

MAT 3531

He-4 Production

35-Br-81

Cross Section -60.40 To 3113. %

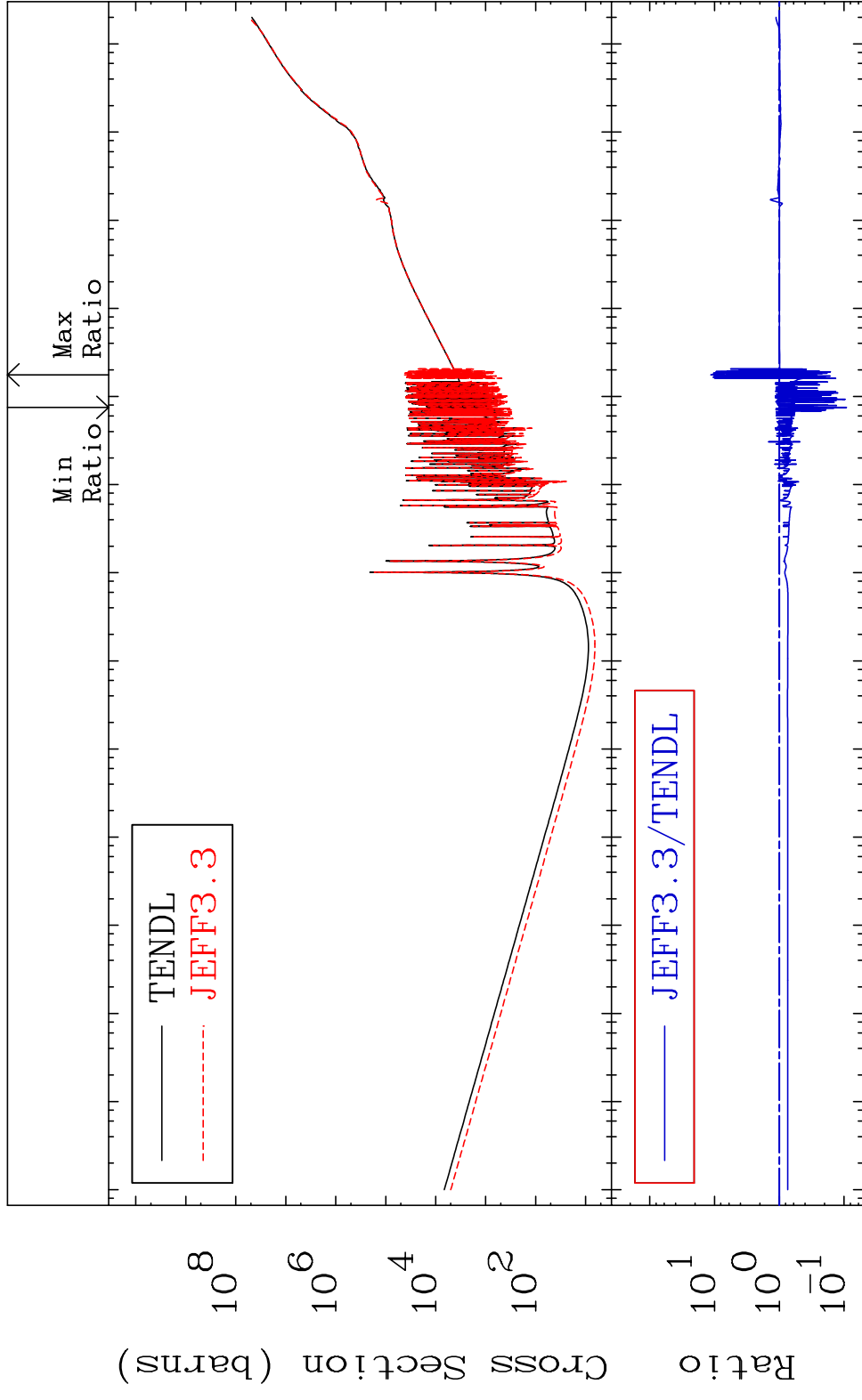


62

Incident Energy (eV)

35-Br-81

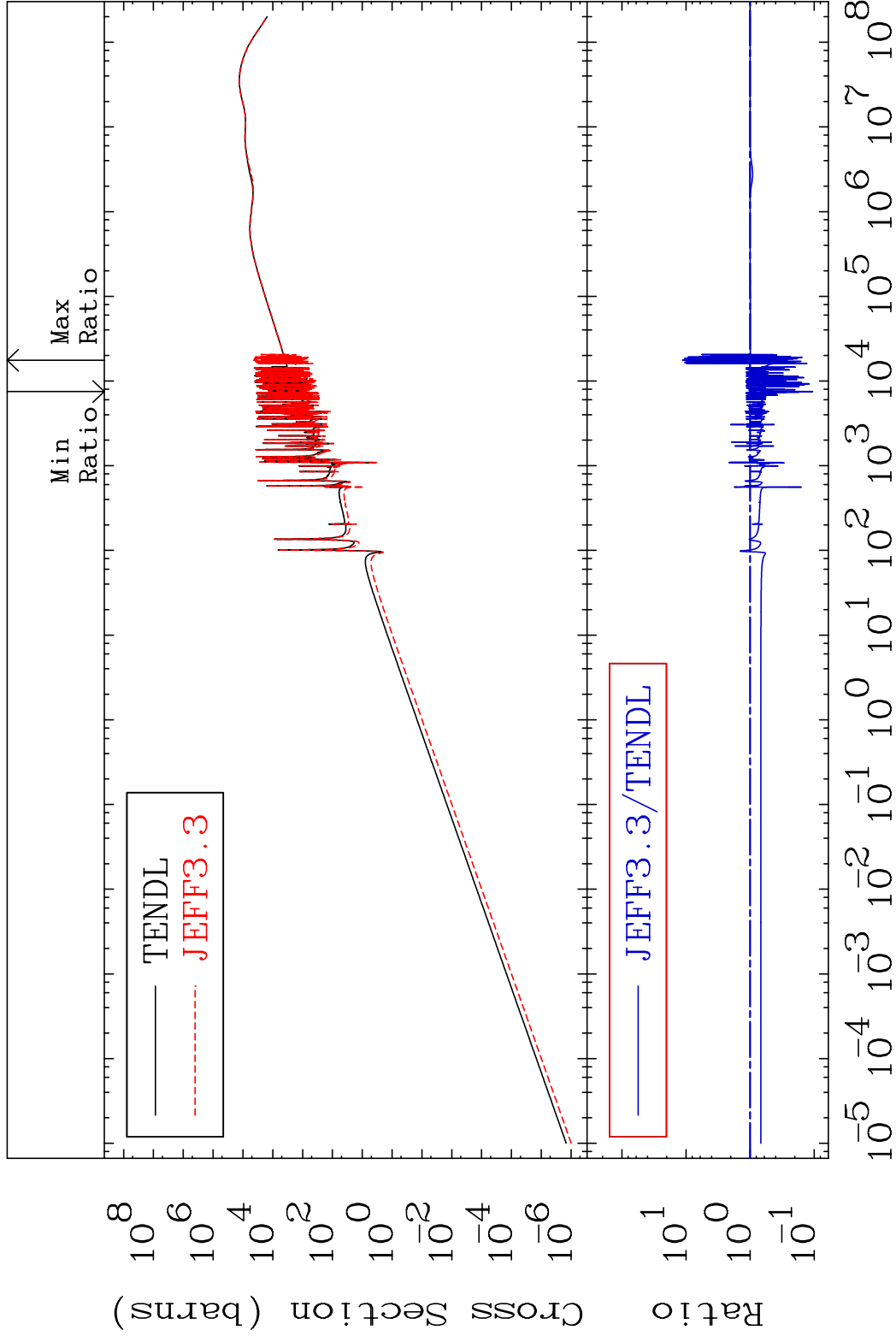
MAT 3531 Kerma total (eV-barns) 35-Br-81
 Cross Section -90.78 To 1047. %



63 Incident Energy (eV) 35-Br-81

MAT 3531

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

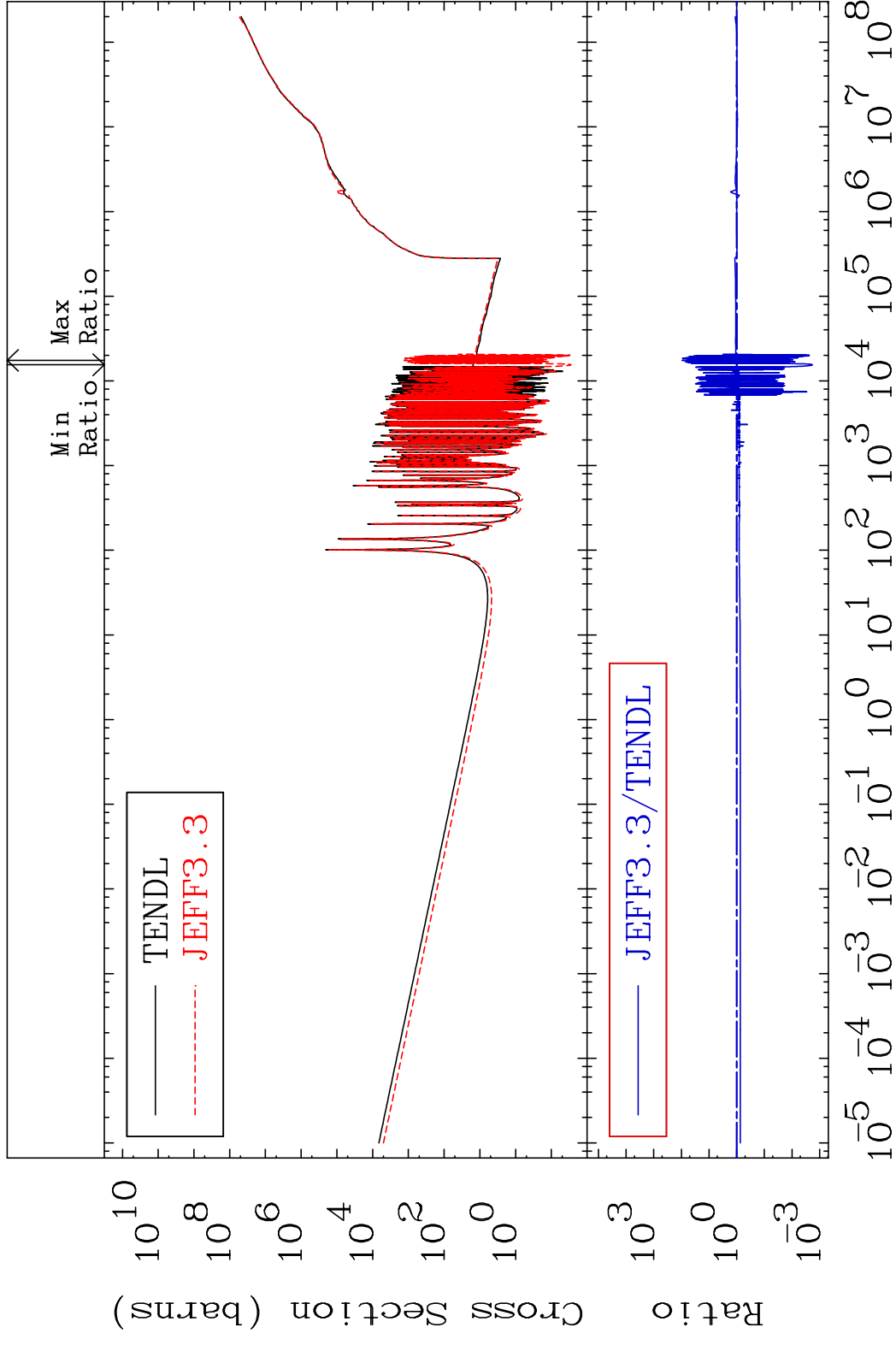


64

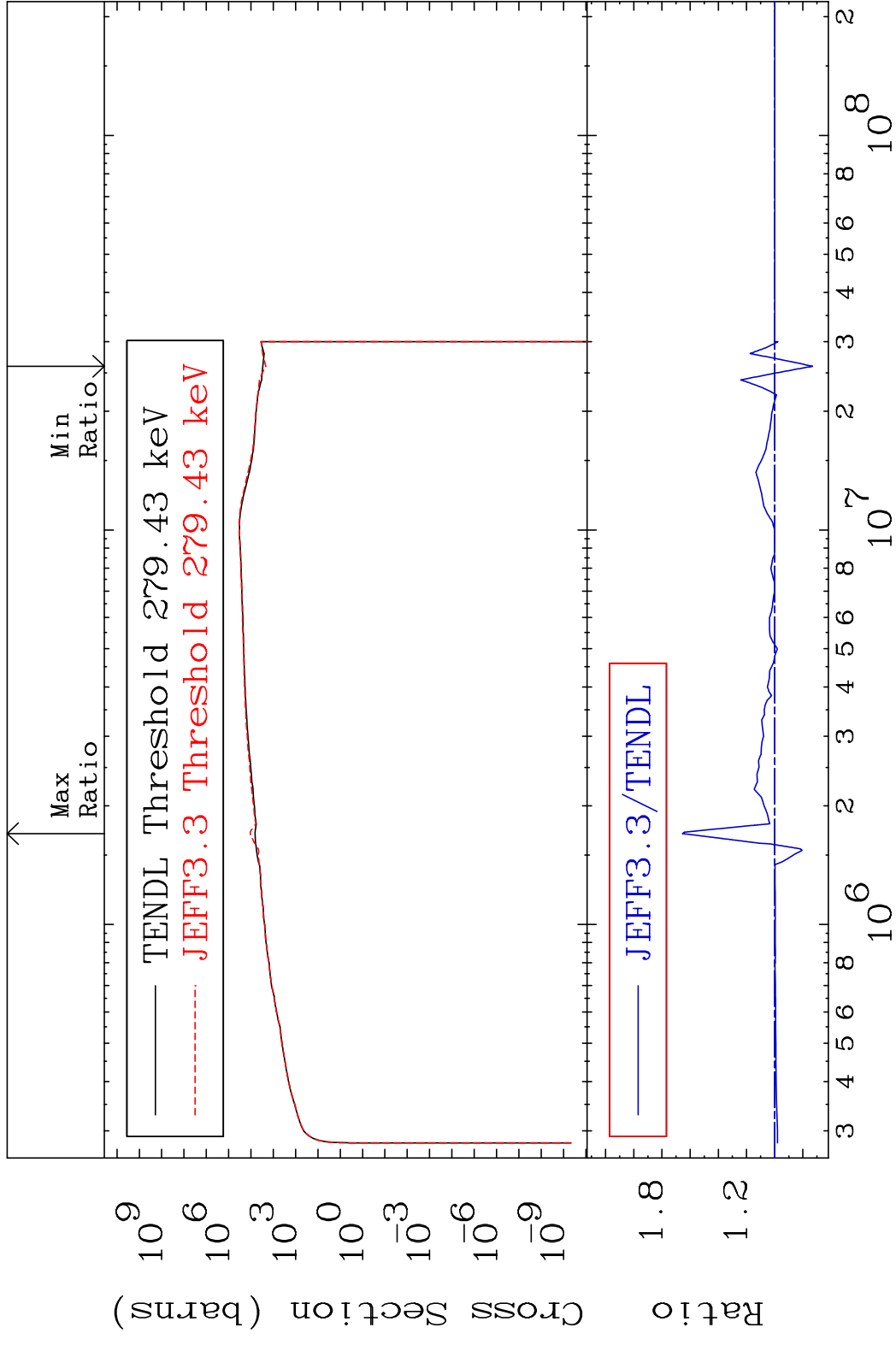
Incident Energy (eV)

35-Br-81

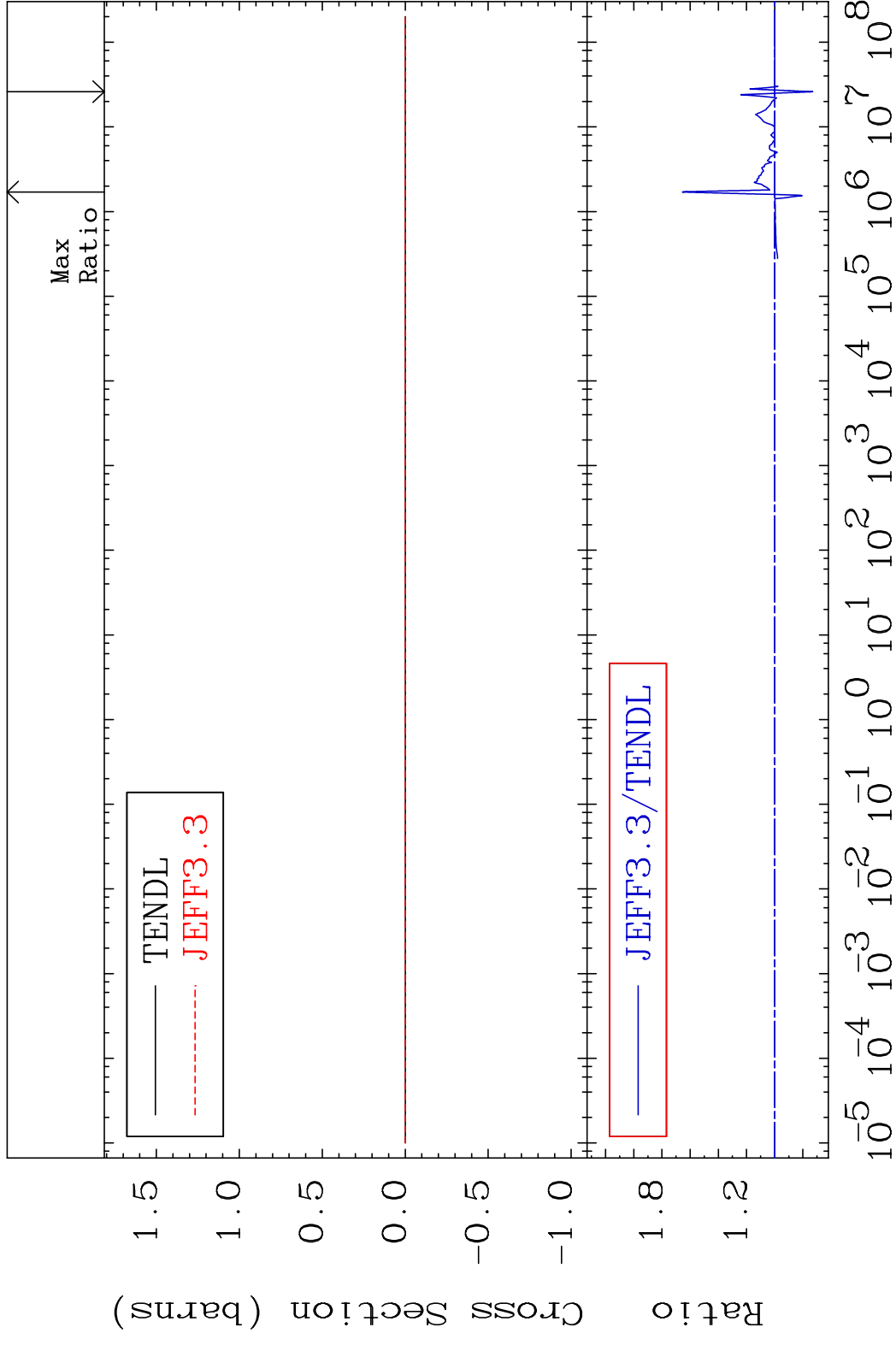
MAT 3531 Kerma non-elastic (all but mt2) 35-Br-81
 Cross Section -99.82 To 9125. %



MAT 3531 Kerma inelastic (mt51-91) 35-Br-81
 Cross Section -26.84 To 65.53 %



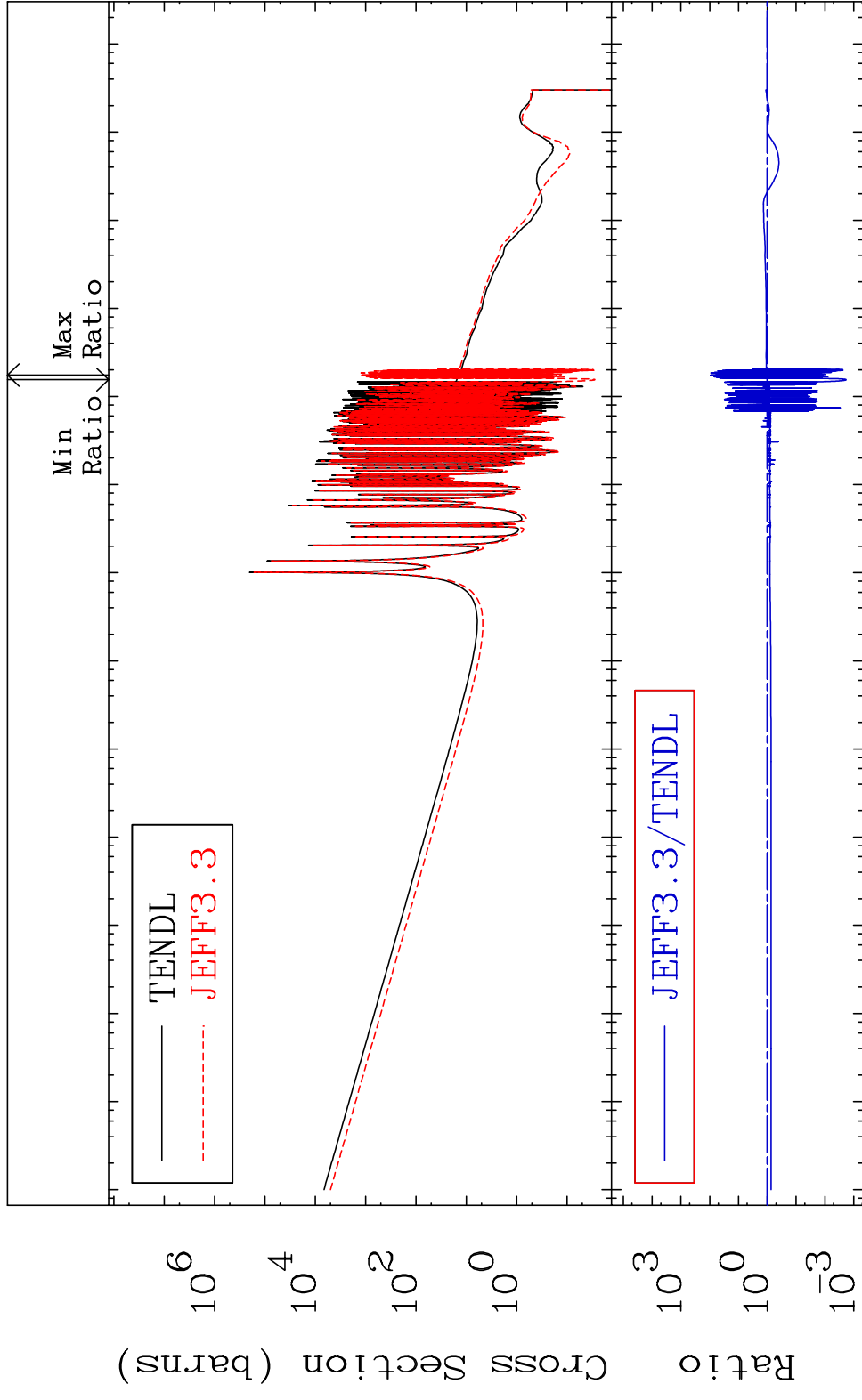
MAT 3531 Kerma fission (mt18 or mt19-20-21-38) 35-Br-81
 Cross Section -26.84 To 65.53 %



MAT 3531

Kerma capture (mt102) 35-Br-81

Cross Section -99.82 To 9125. %

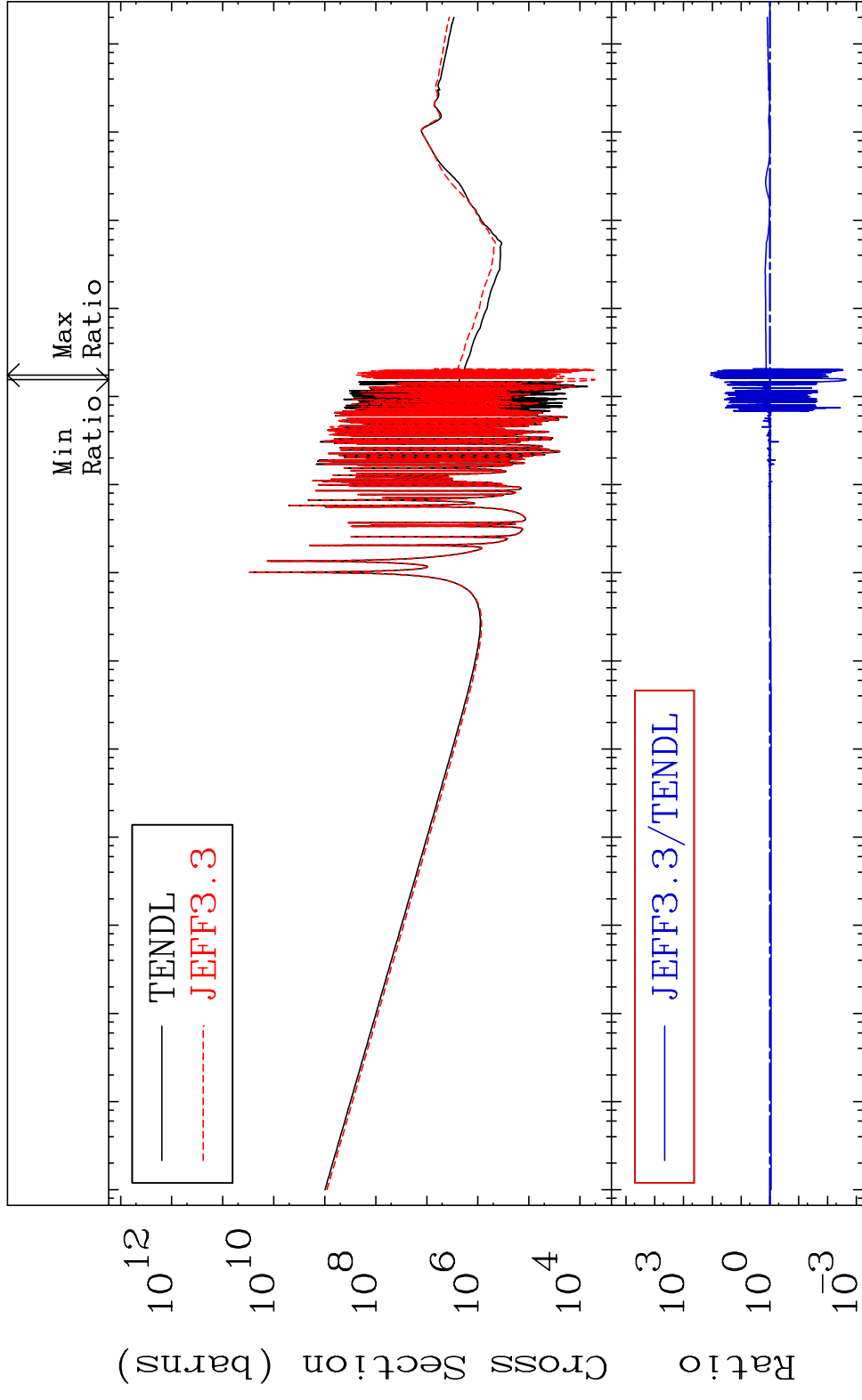


68

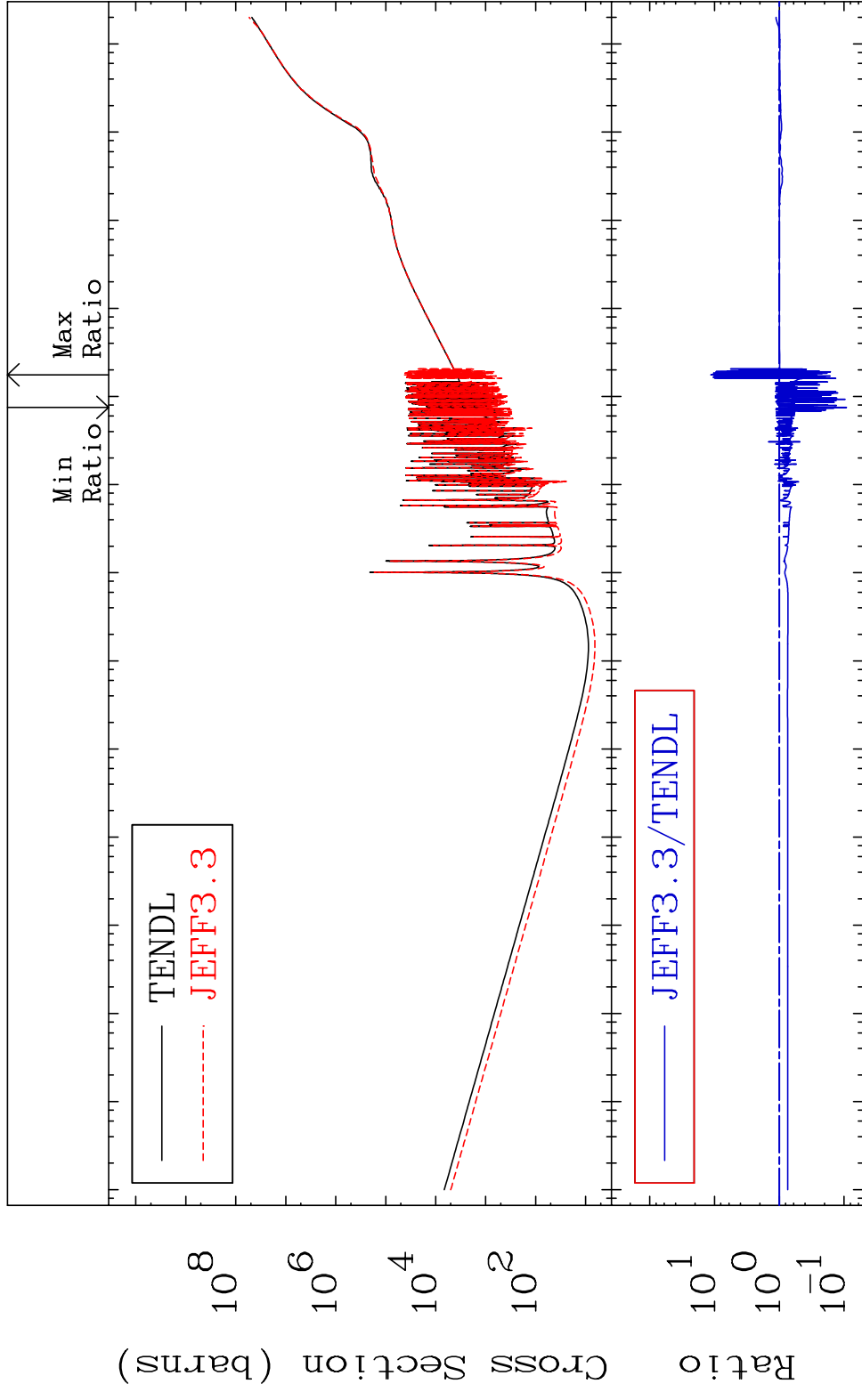
Incident Energy (eV)

35-Br-81

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



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



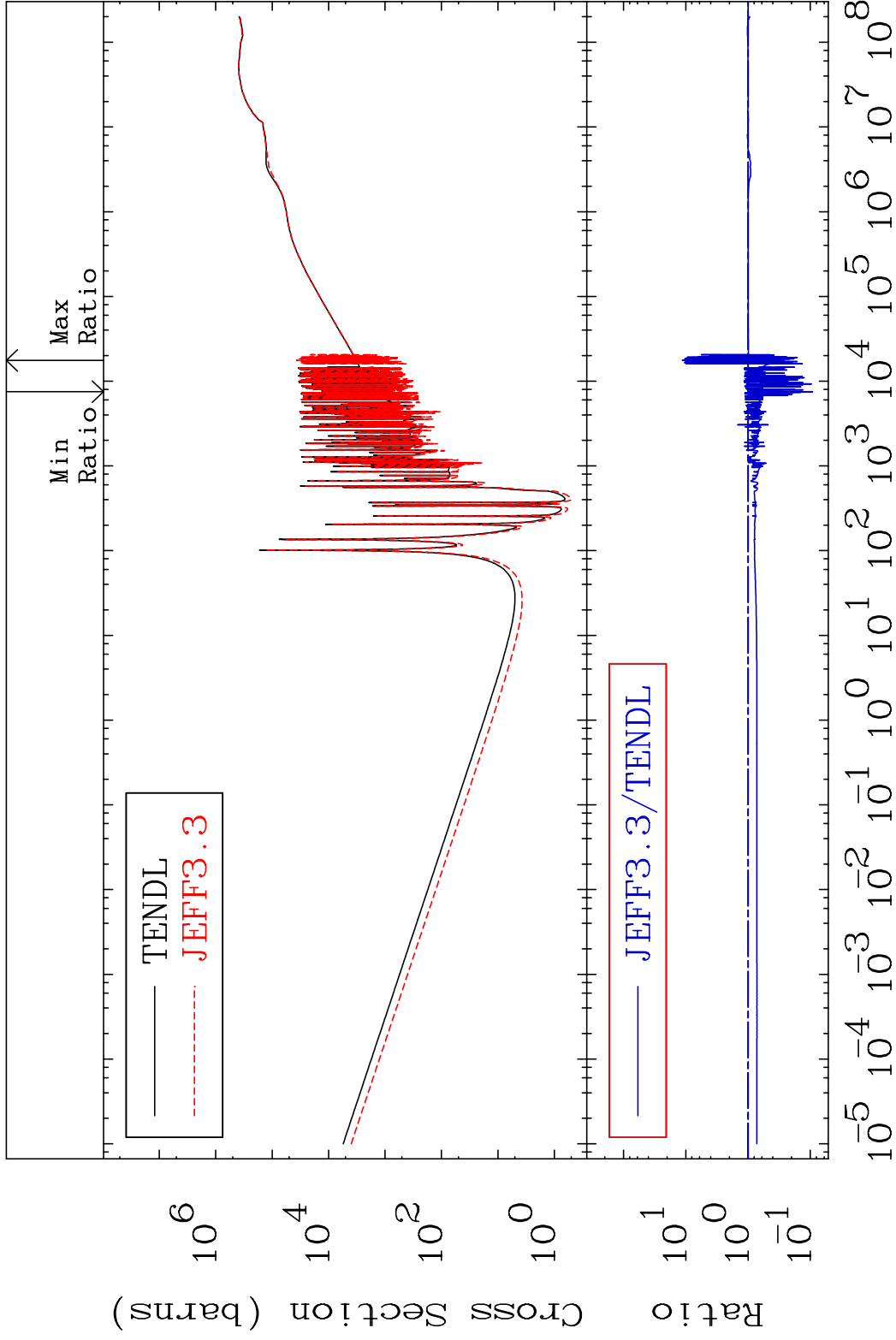
70 Incident Energy (eV) 35-Br-81

MAT 3531

Dpa total (eV-barns)

35-Br-81

Cross Section -90.777 To 1046. %



71

Incident Energy (eV)

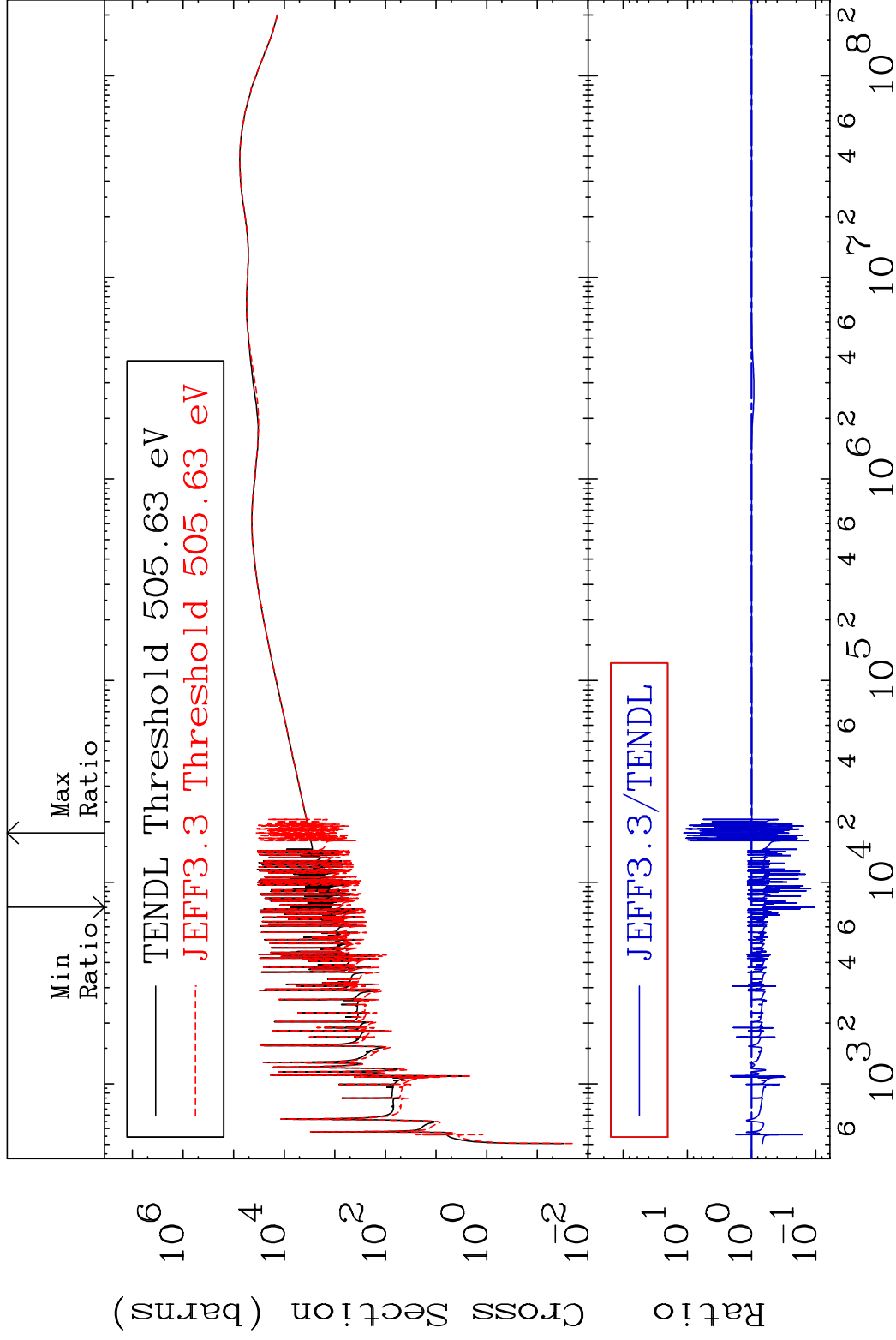
35-Br-81

MAT 3531

Dpa elastic (mt2)

35-Br-81

Cross Section -89.39 To 1042. %

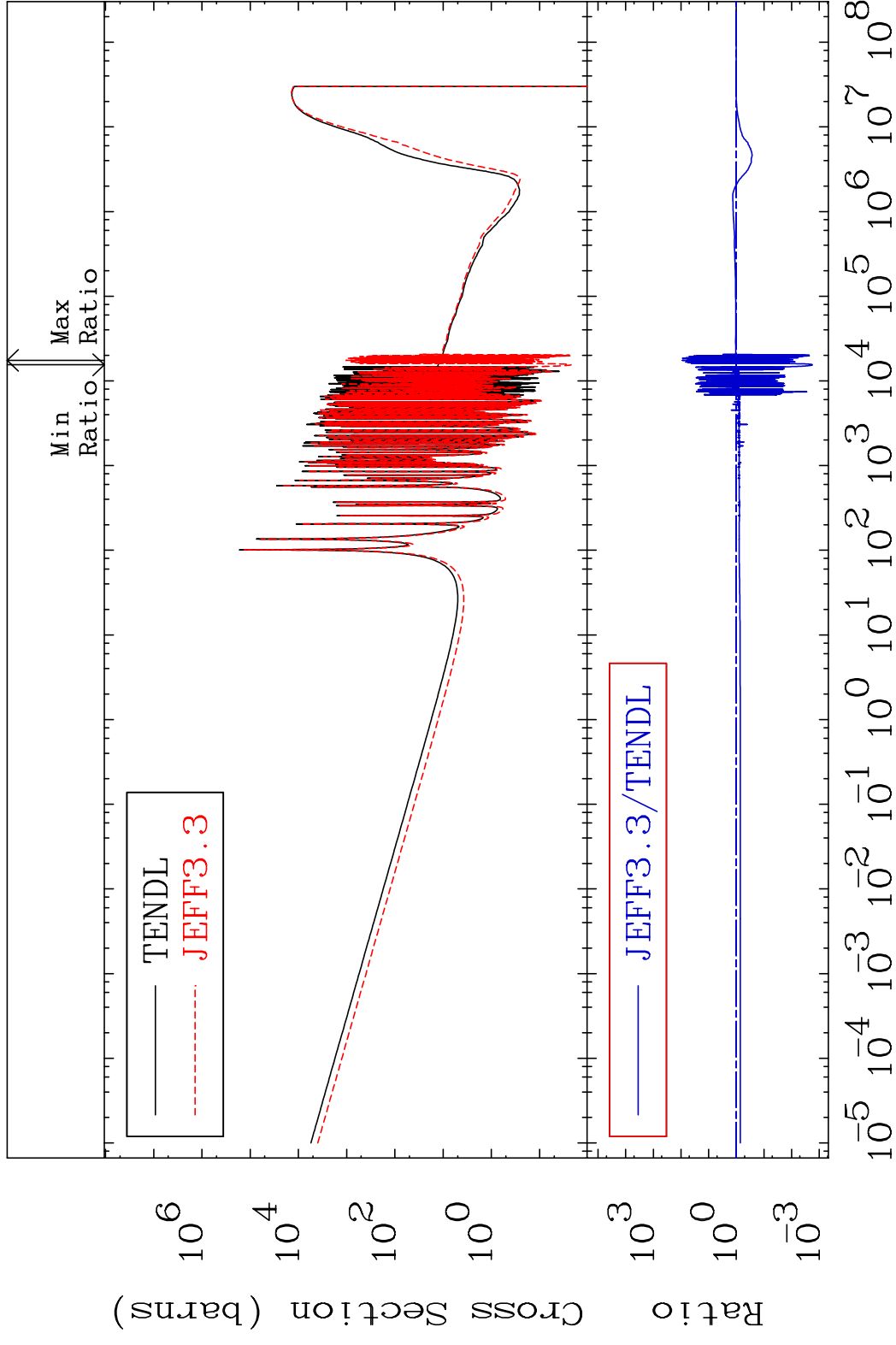


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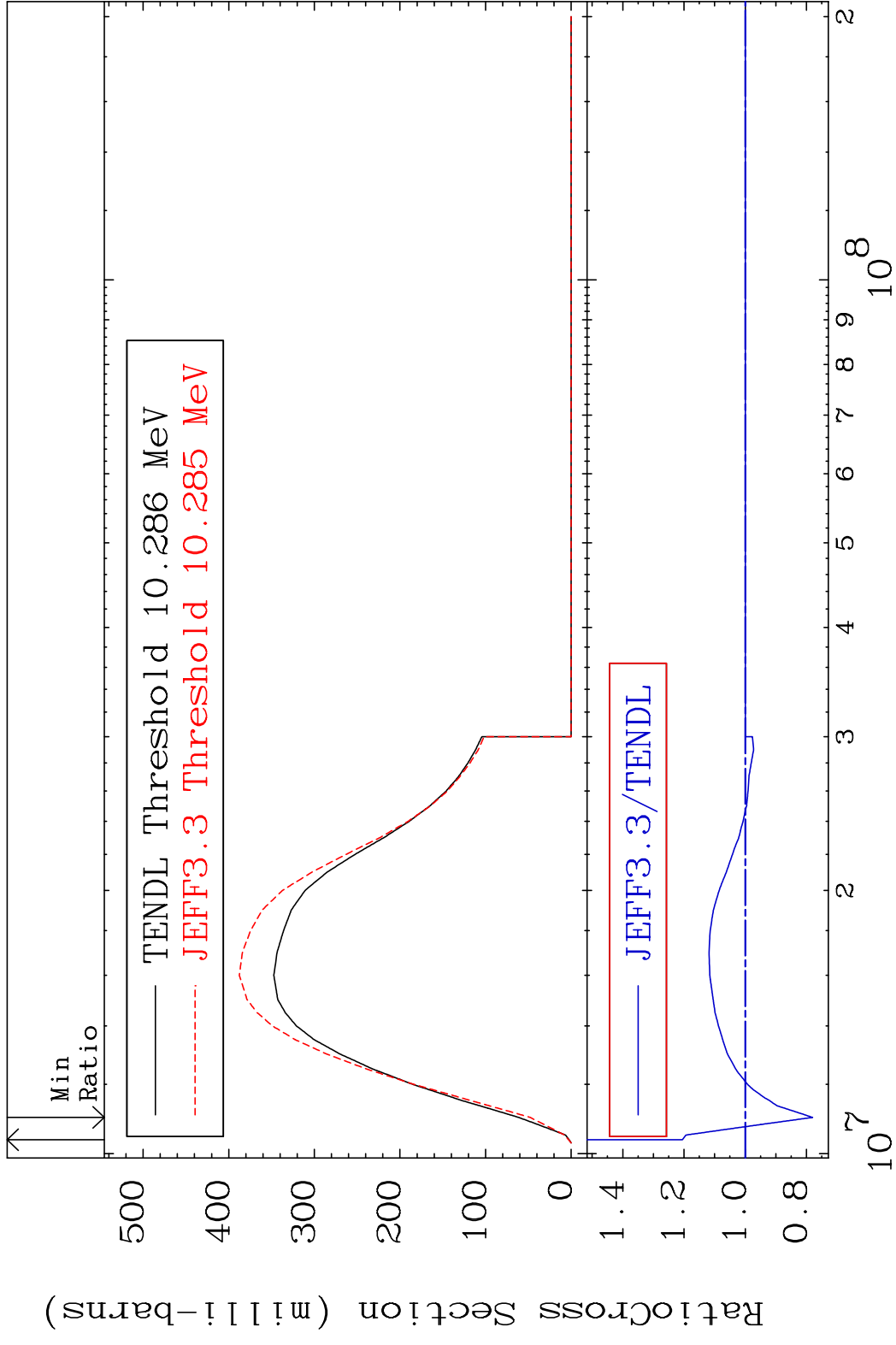
Incident Energy (eV)

35-Br-81

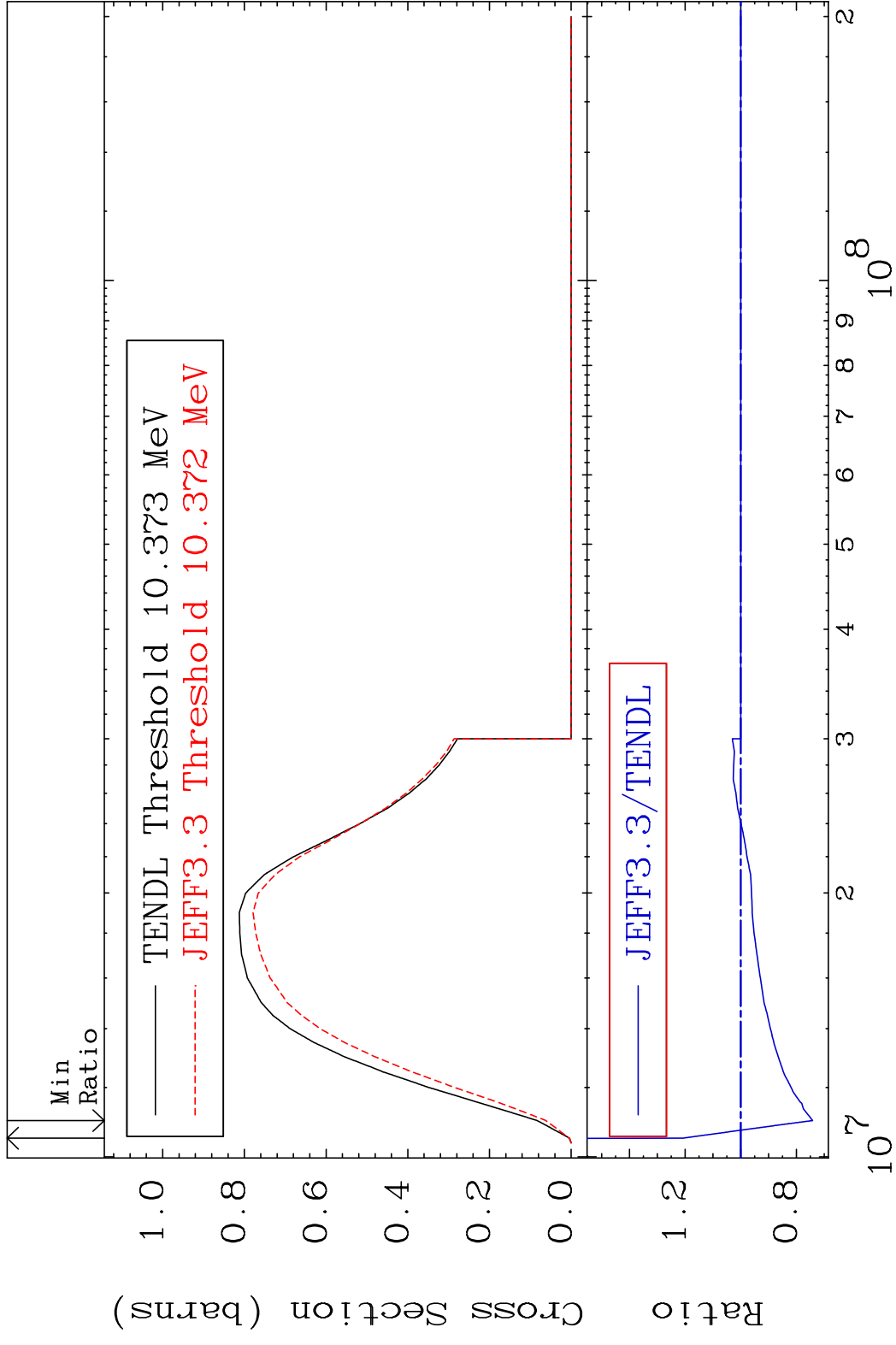
MAT 3531 Dpa disappearance (mt102 -120) 35-Br-81
 Cross Section -99.83 To 8844. %



MAT 3531 (n,2n):35-Br-80g 35-Br-81
 Radionuclide Production Cross Section to 20.54 %

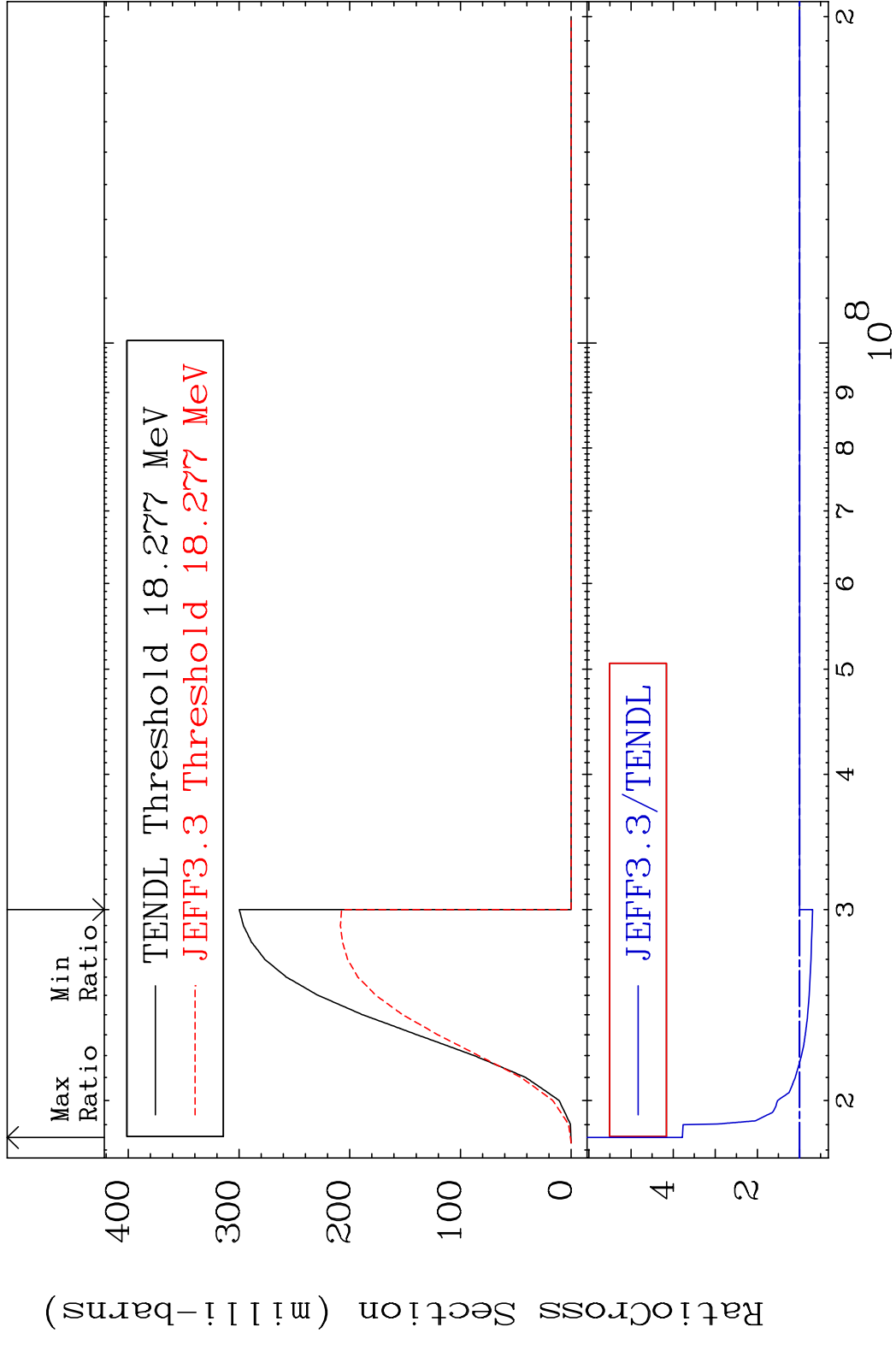


MAT 3531 (n,2n):35-Br-80m2 35-Br-81
 Radionuclide Production Cross Section to 20.98 %

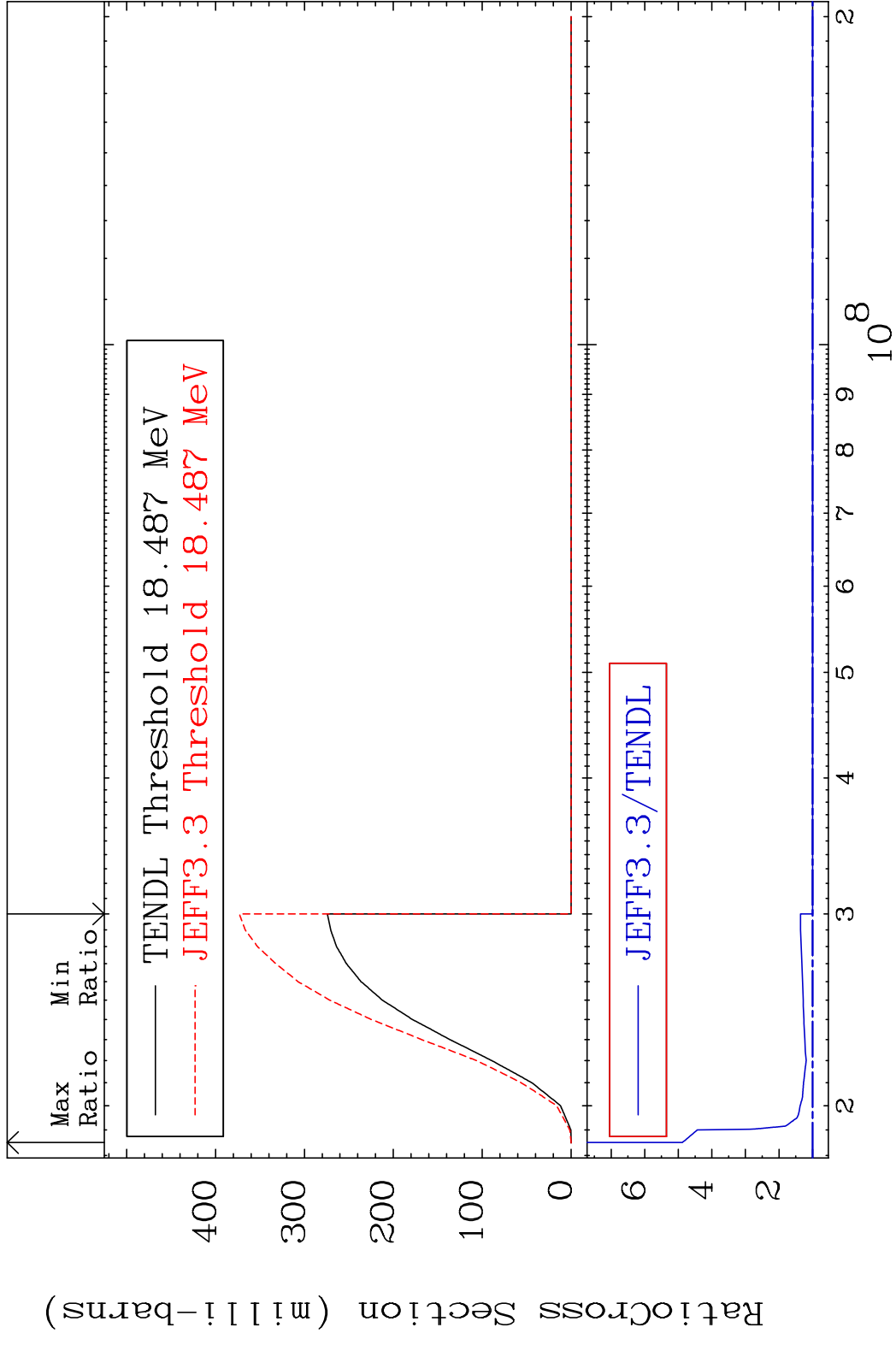


76 Incident Energy (eV) 35-Br-81

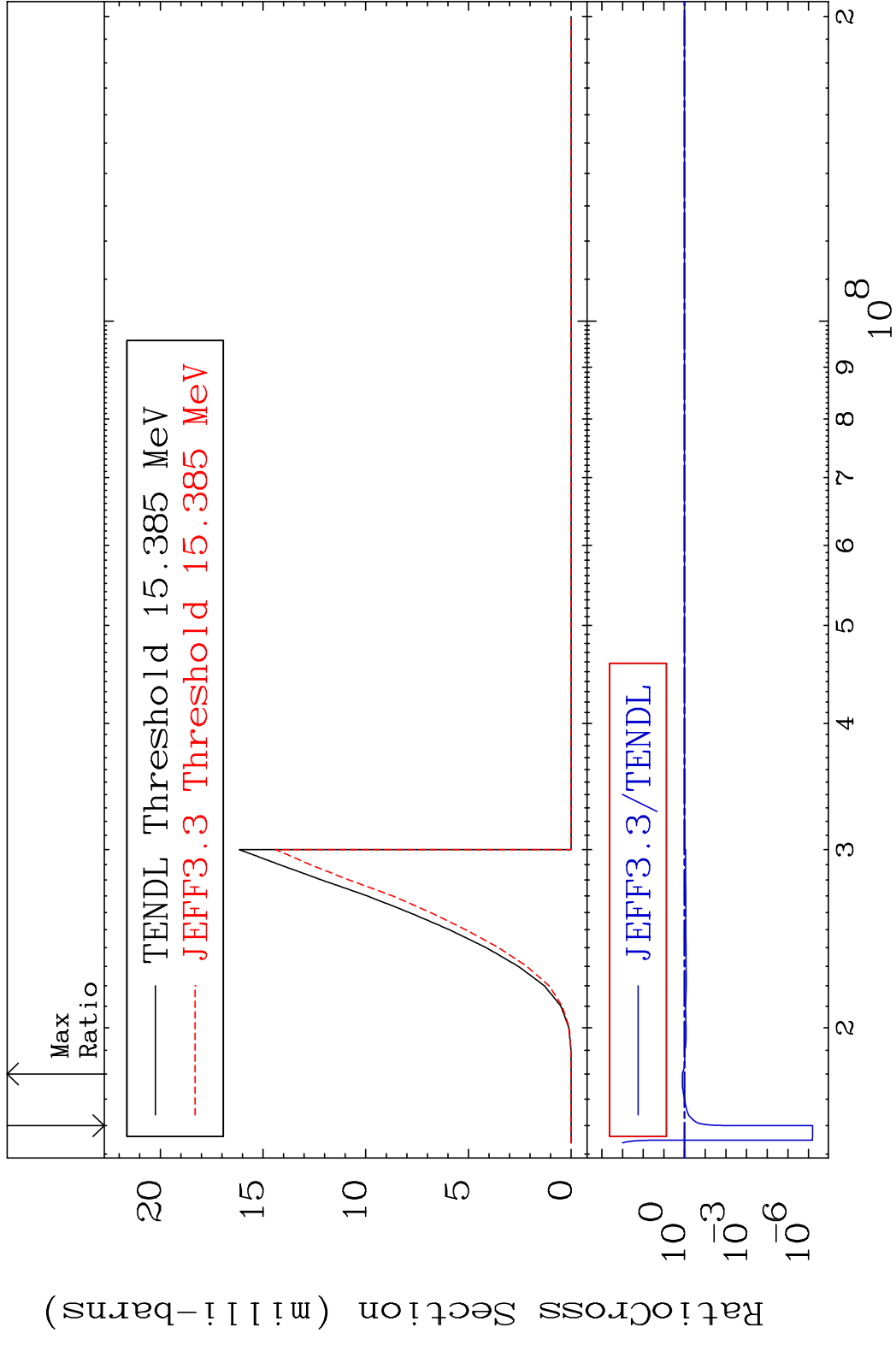
MAT 3531 (n,3n):35-Br-79g 35-Br-81
 Radionuclide Production Cross Section 30.81 d10 278.2 %



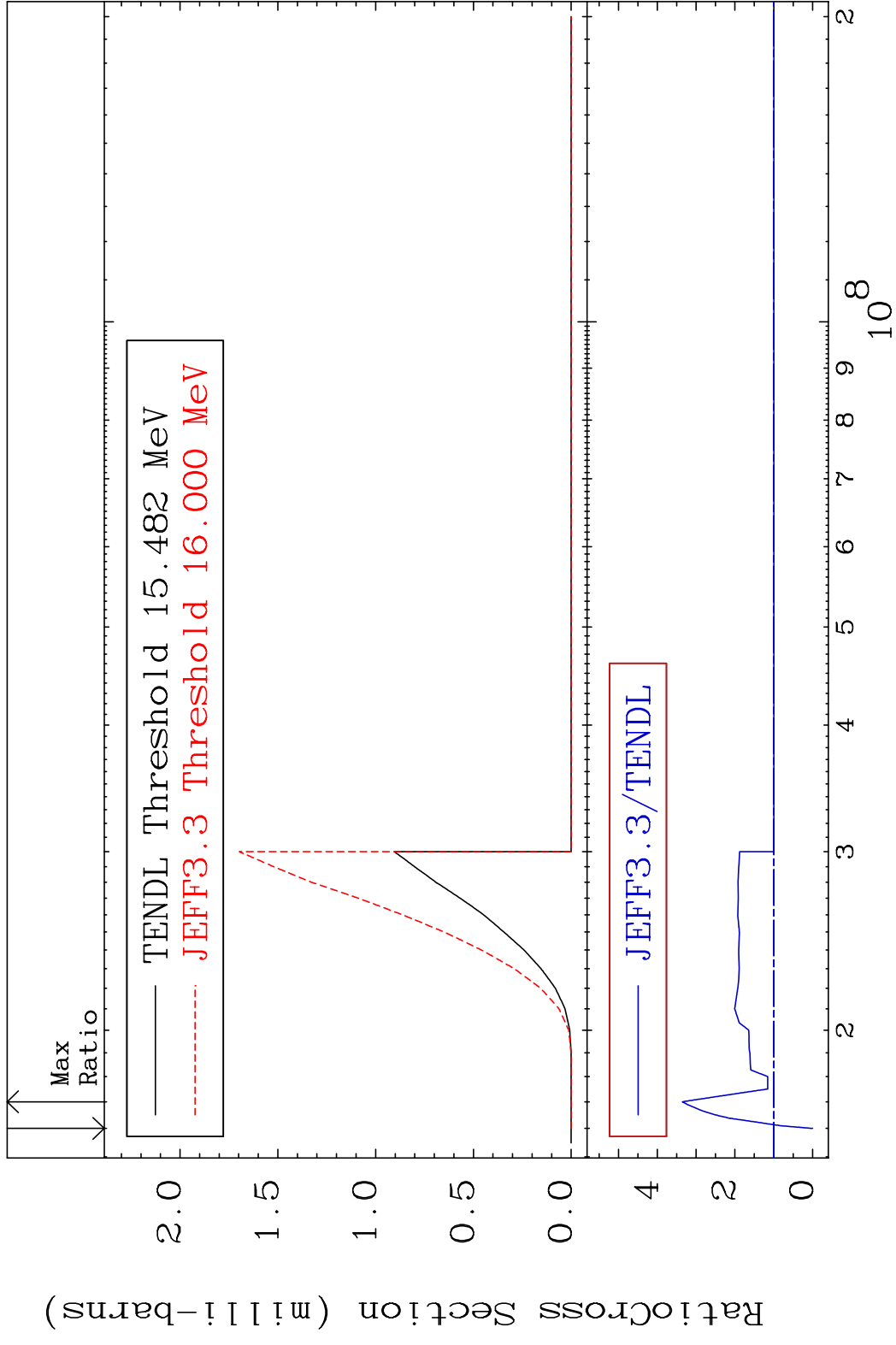
MAT 3531 (n,3n):35-Br-79m1 35-Br-81
 Radionuclide Production Cross Section 387.9 %

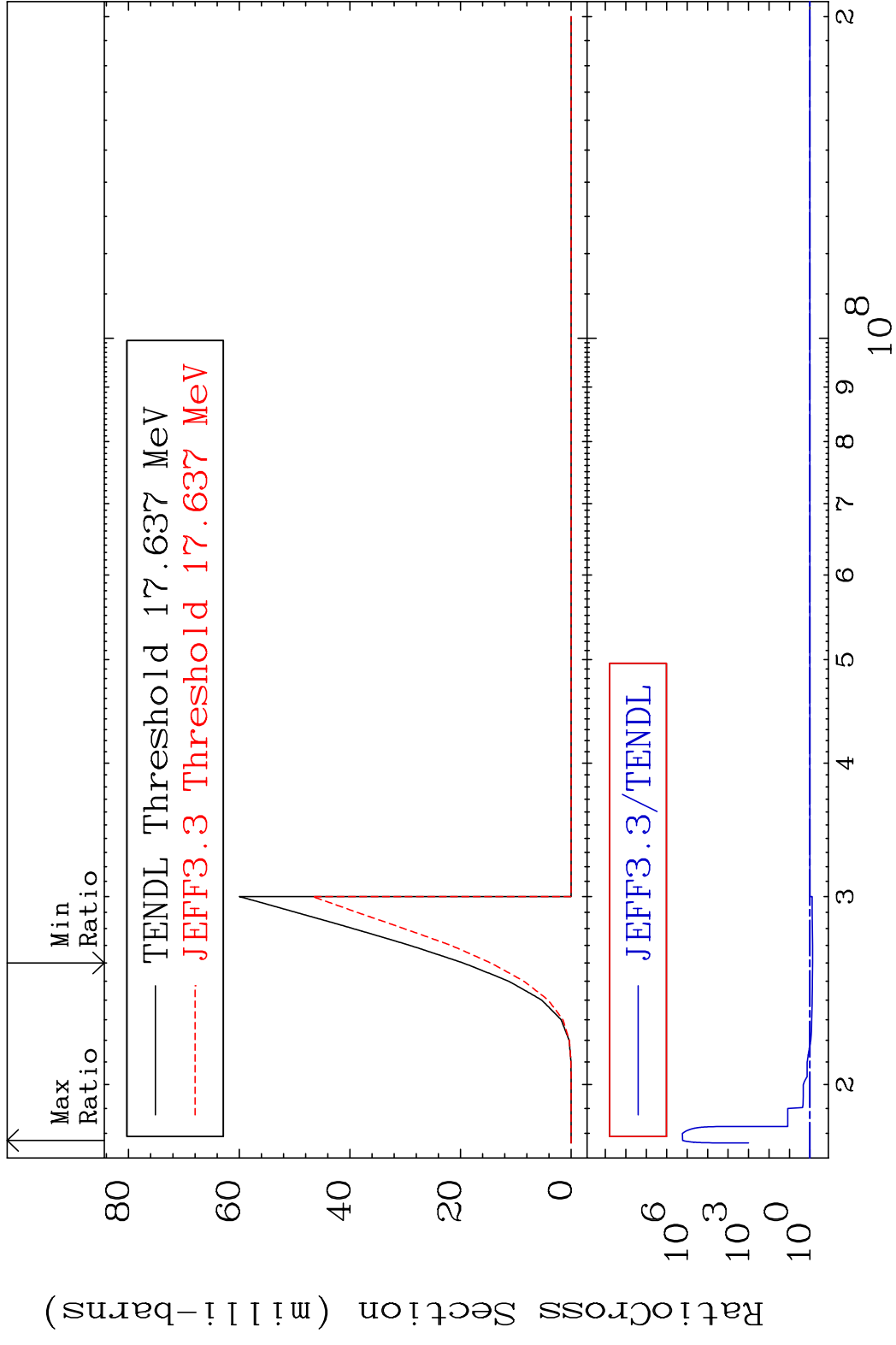


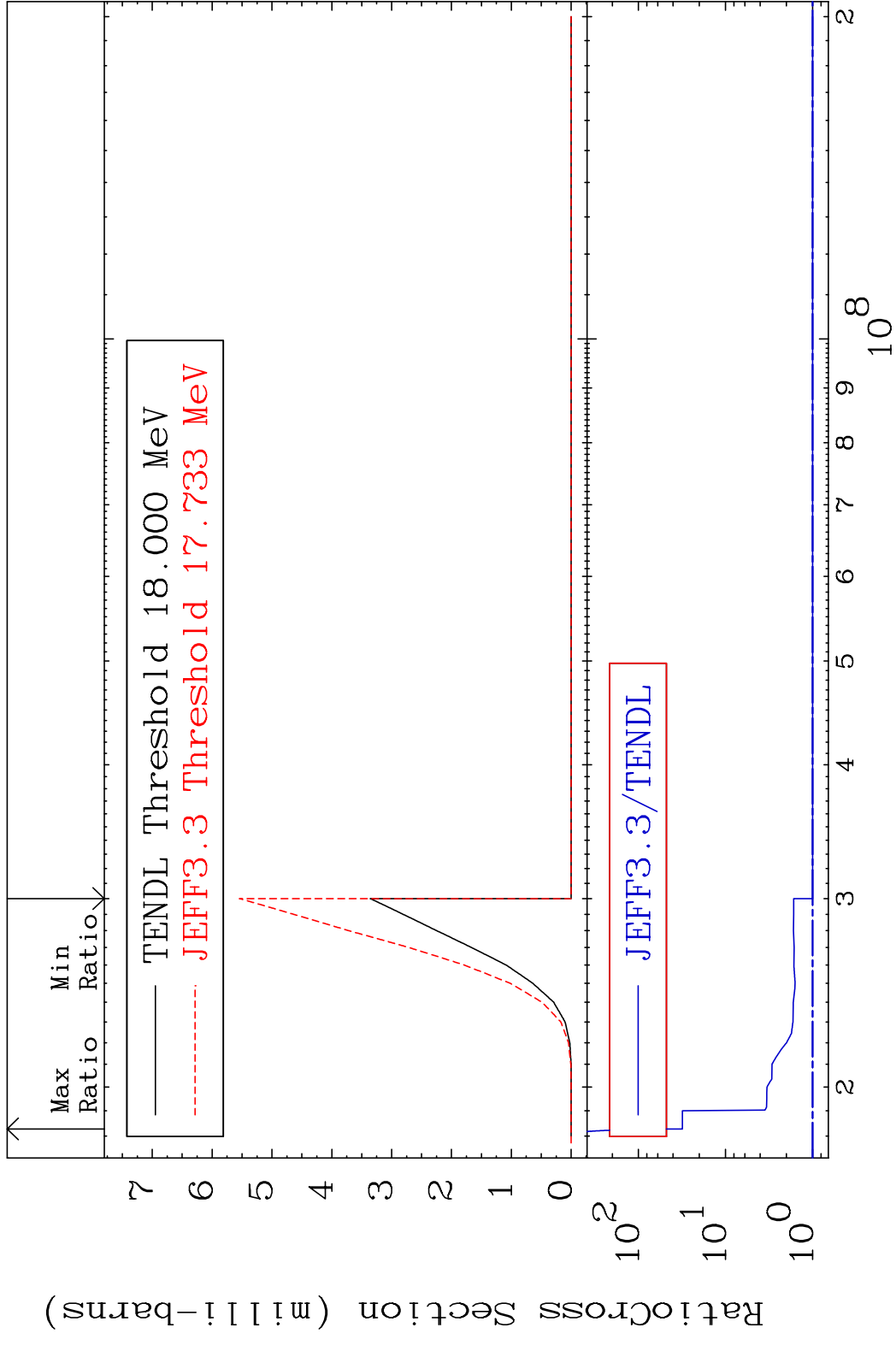
MAT 3531 (n, n') d:34-Se-79g 35-Br-81
 Radionuclide Production Cross Section 1800 d to 27.51 %



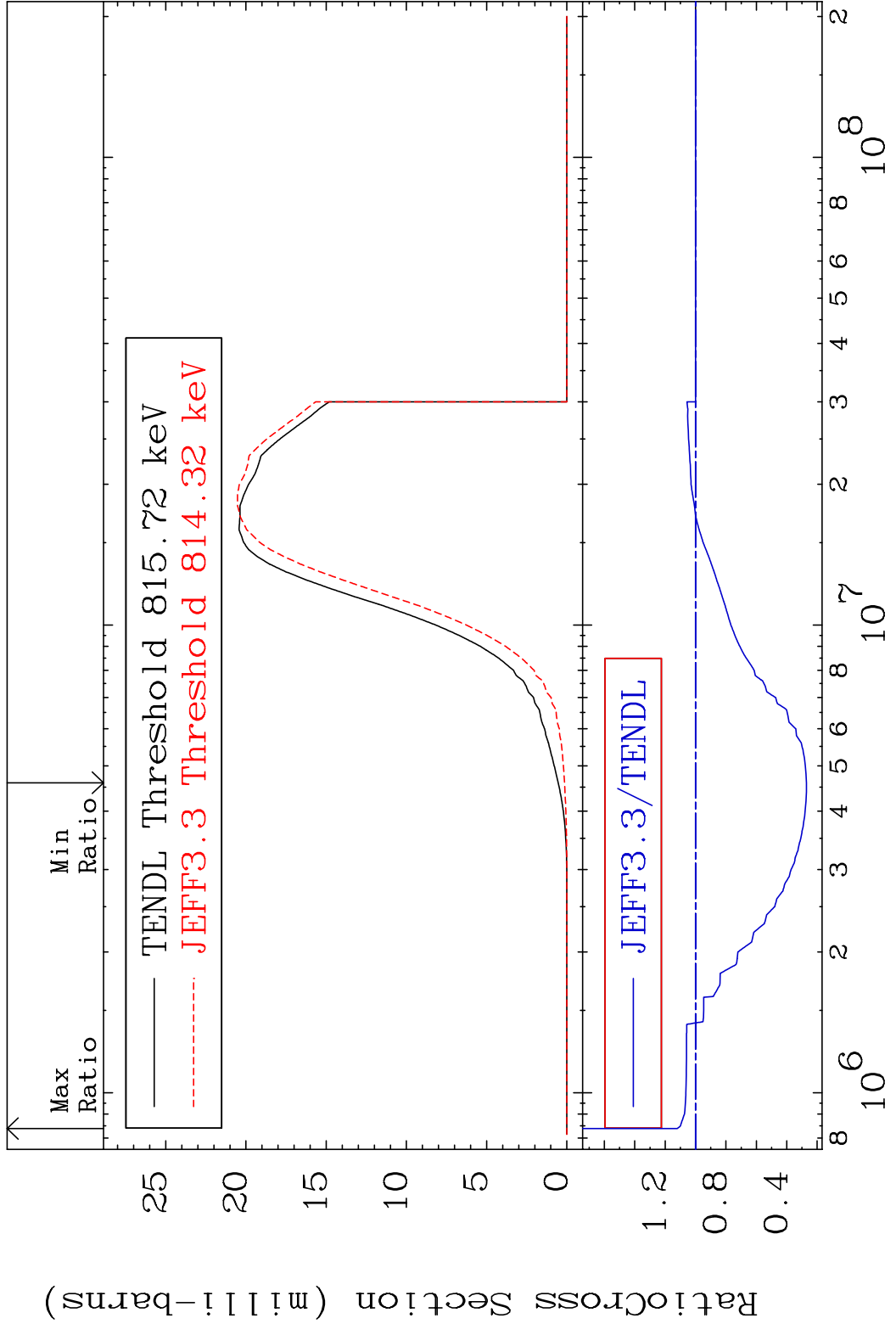
MAT 3531 (n, n') d:34-Se-79m1 35-Br-81
 Radionuclide Production Cross Section 180.0 d to 235.5 %



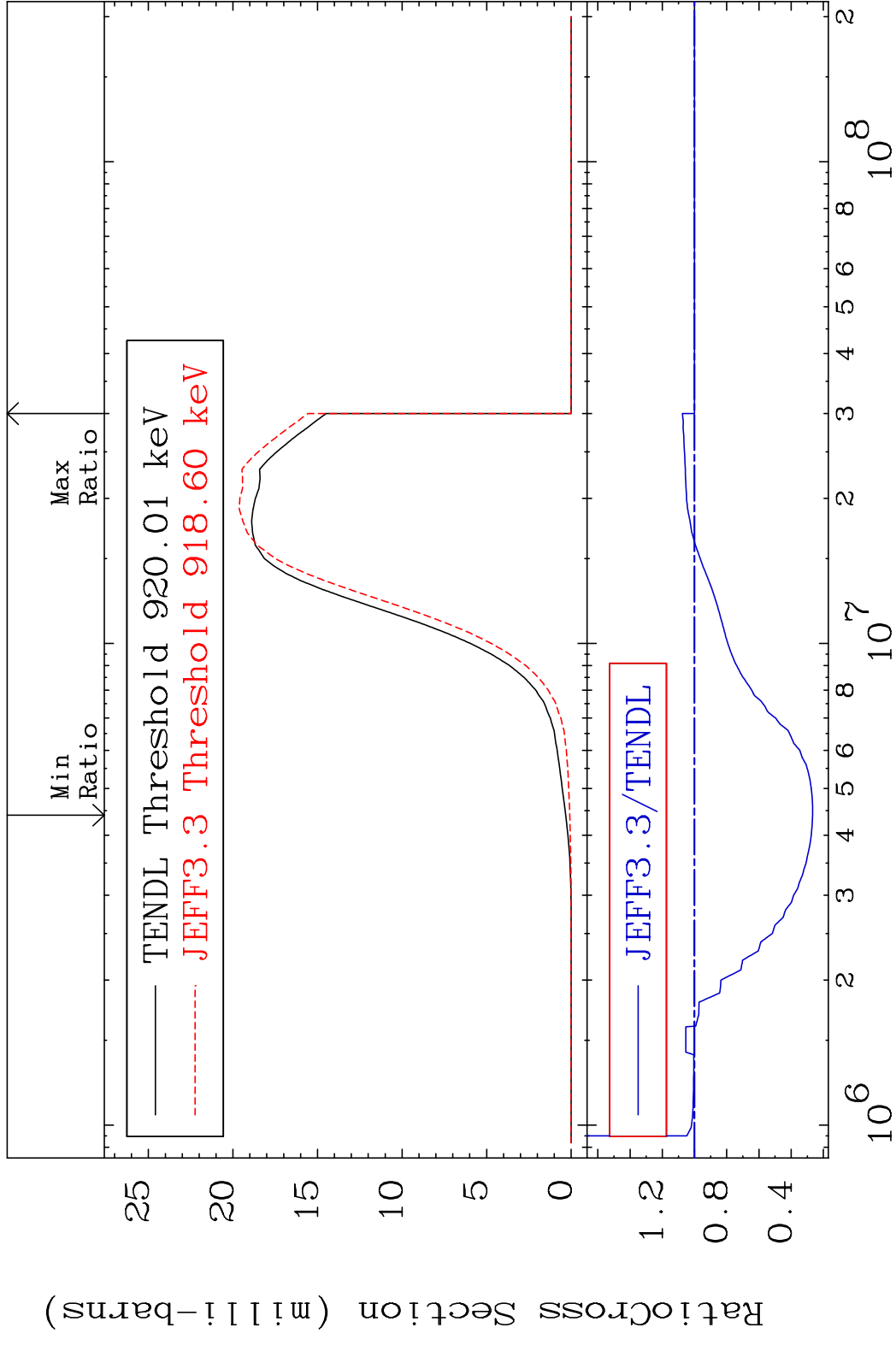




MAT 3531 (n,p):34-Se-81g 35-Br-81
 Radionuclide Production Cross Section 12.09 %

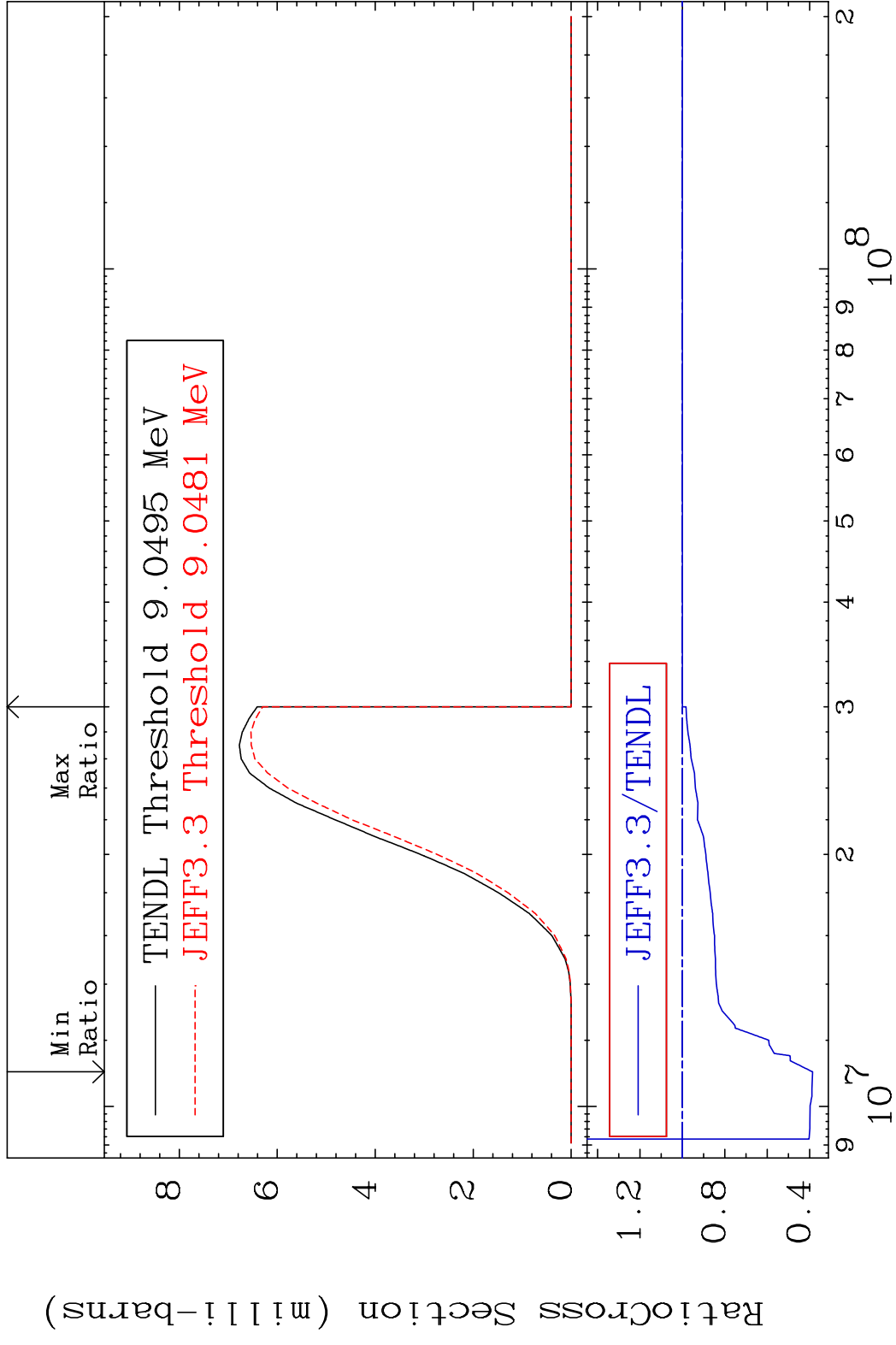


MAT 3531 (n,p):34-Se-81m1 35-Br-81
 Radionuclide Production Cross Section 7.555 %

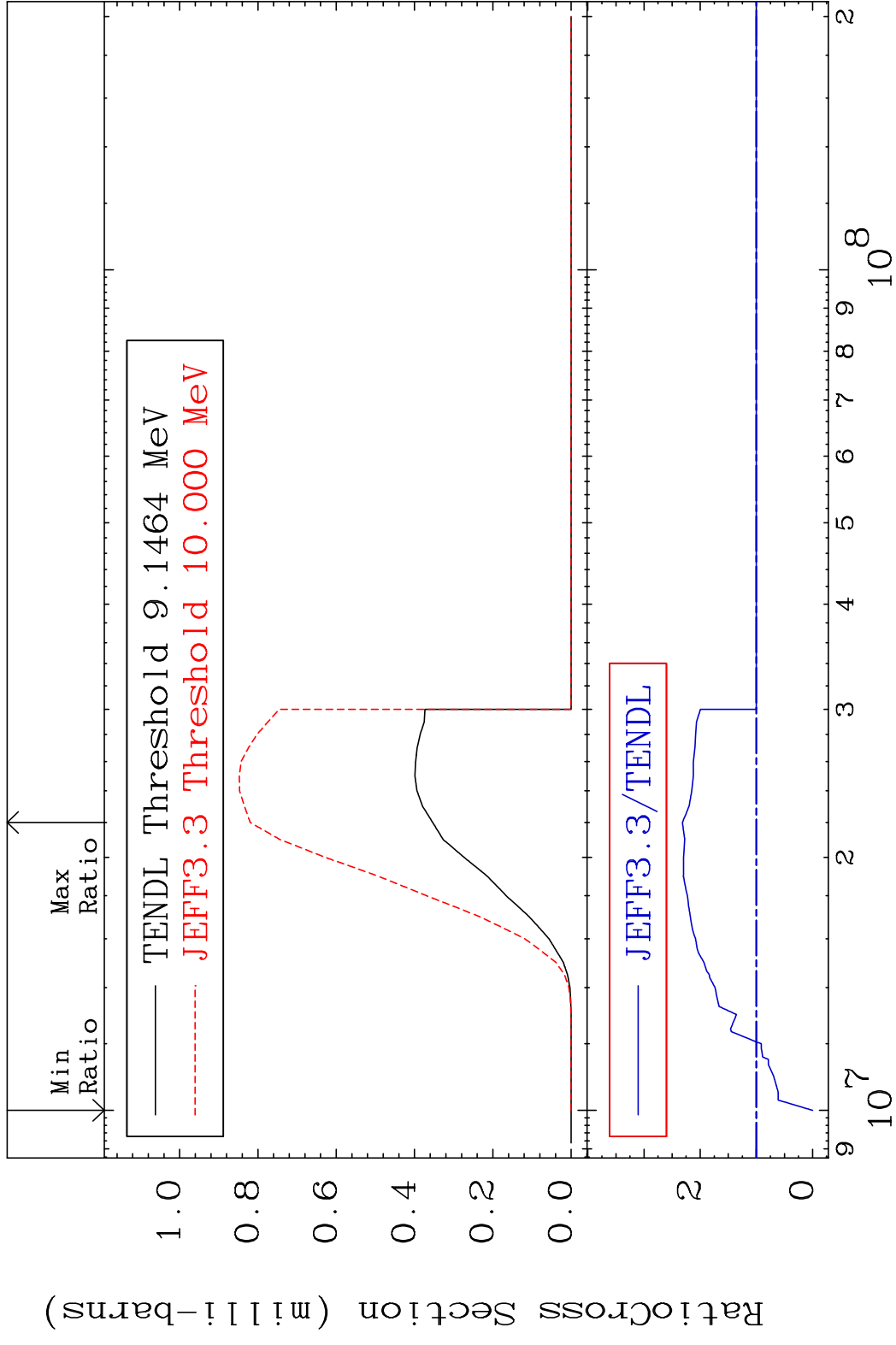


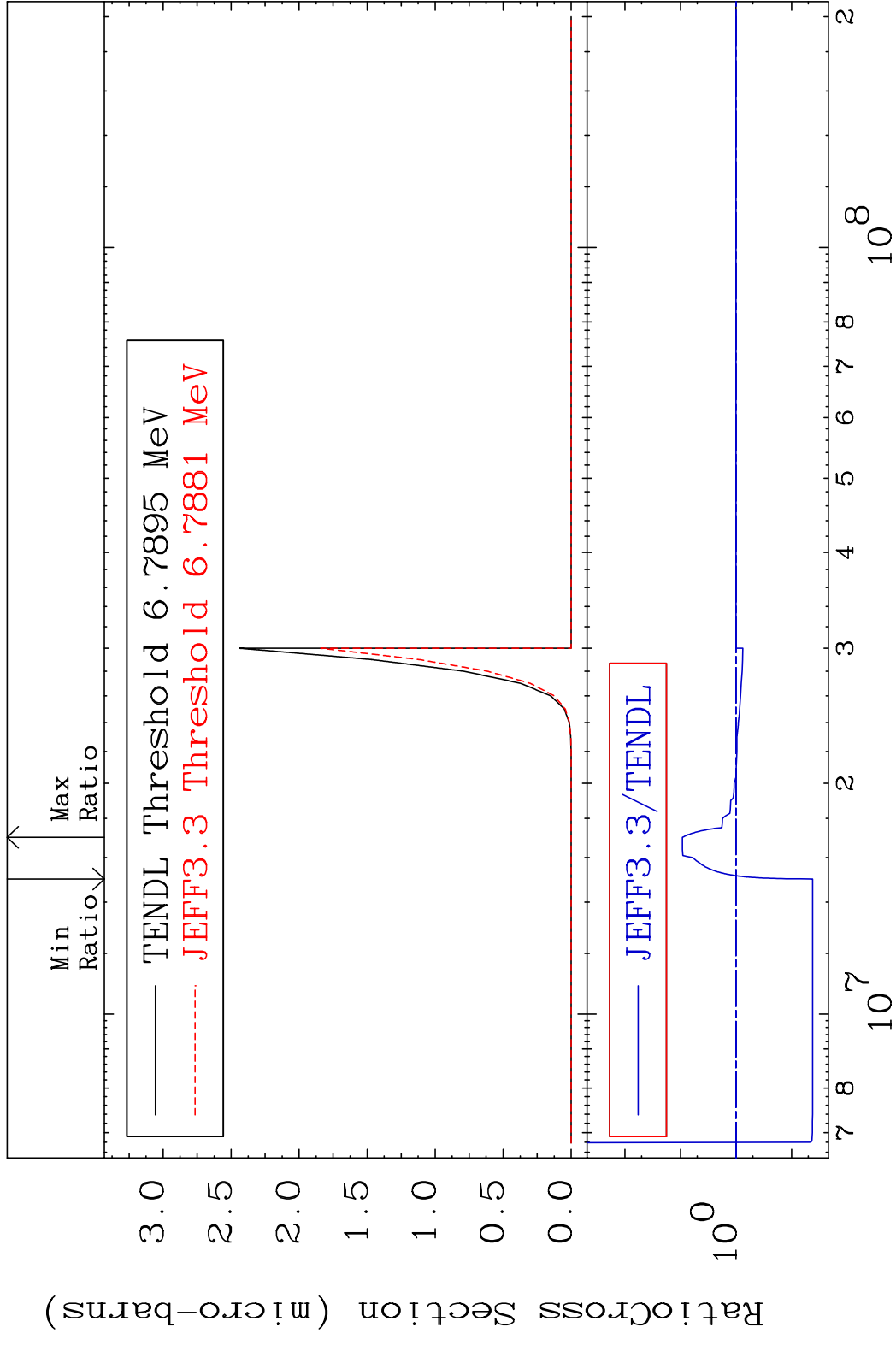
84 Incident Energy (eV) 35-Br-81

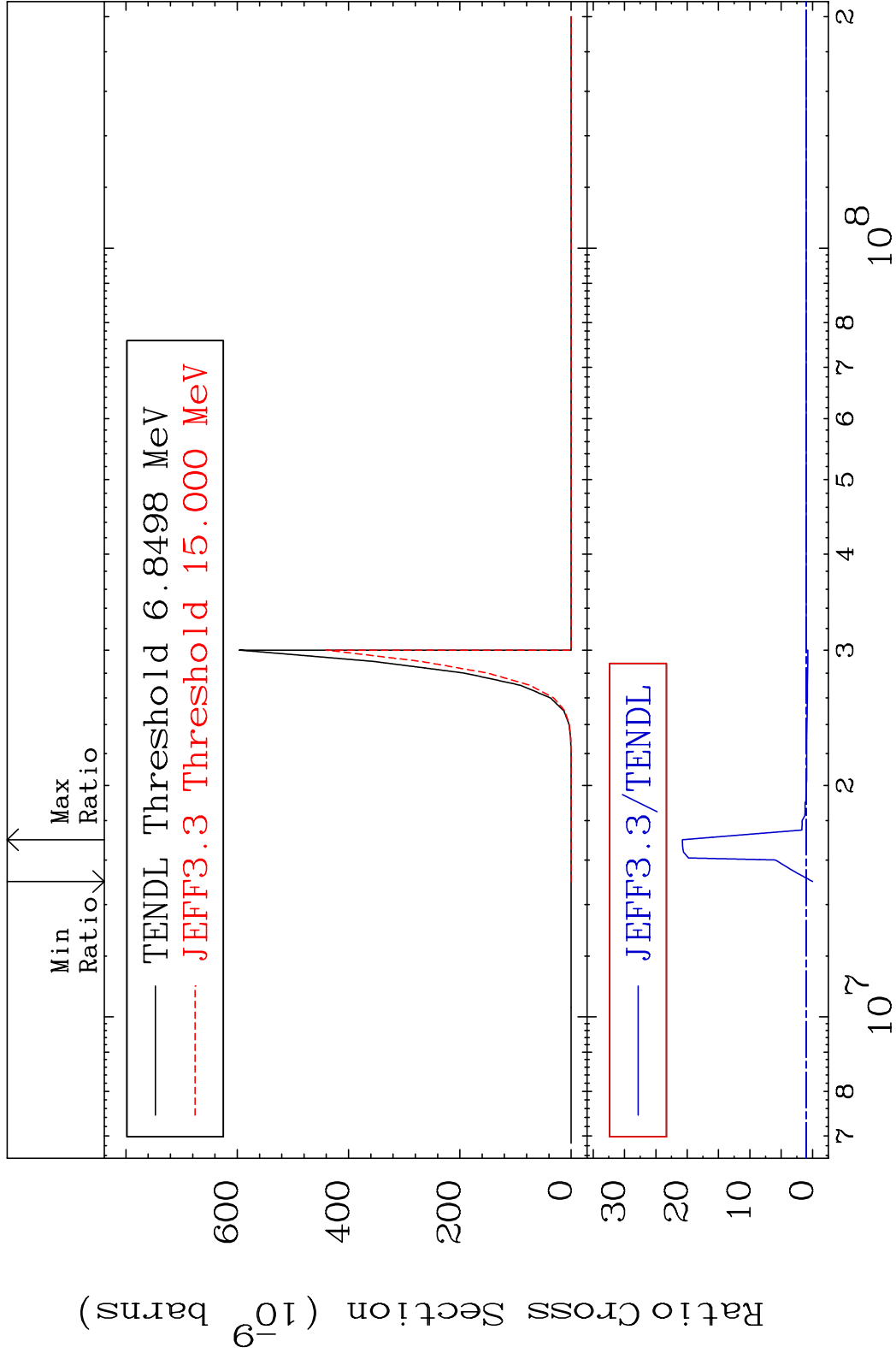
MAT 3531 (n, t):34-Se-79g 35-Br-81
 Radionuclide Production Cross Section 0.000 %



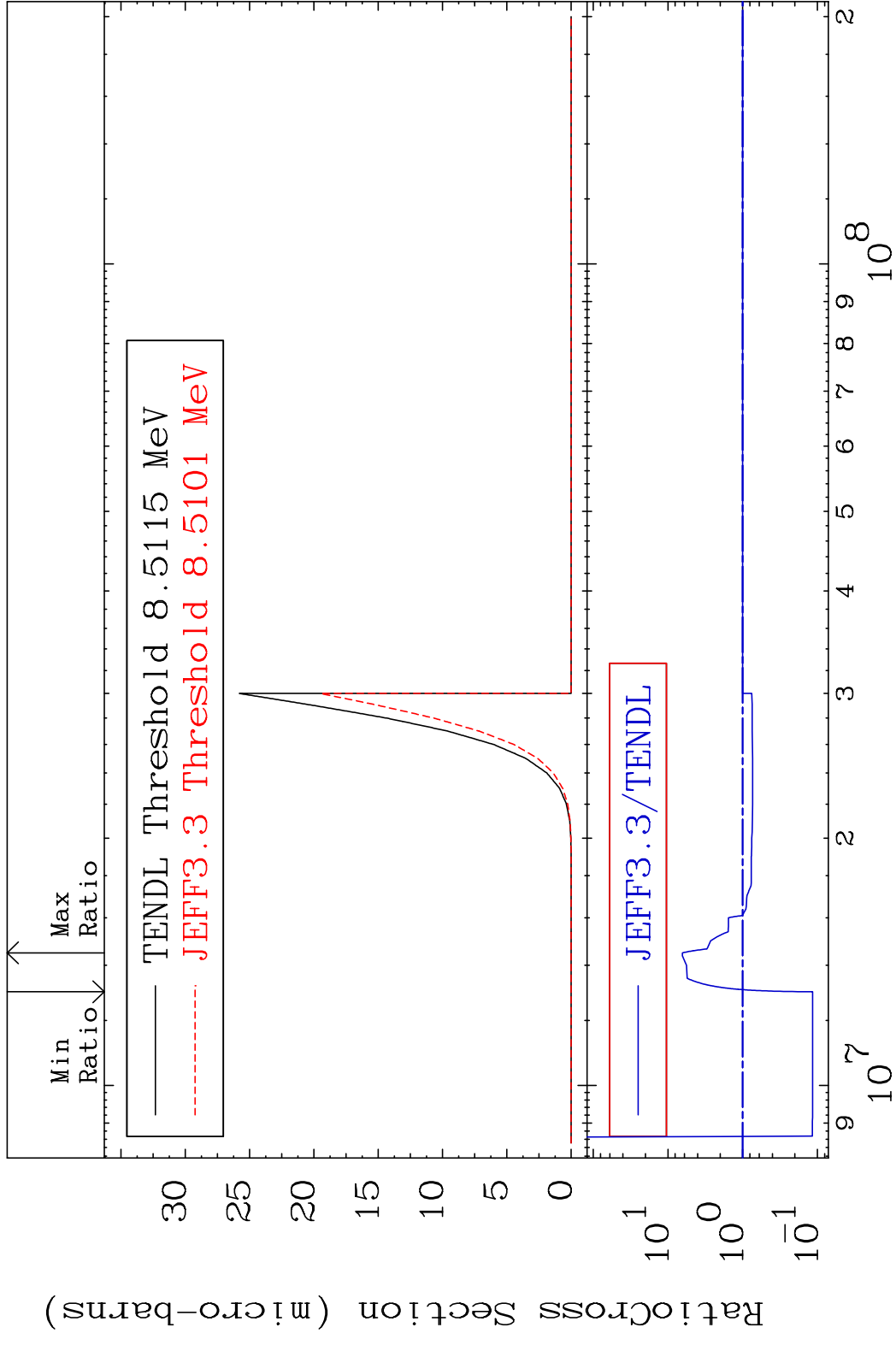
85 Incident Energy (eV) 35-Br-81





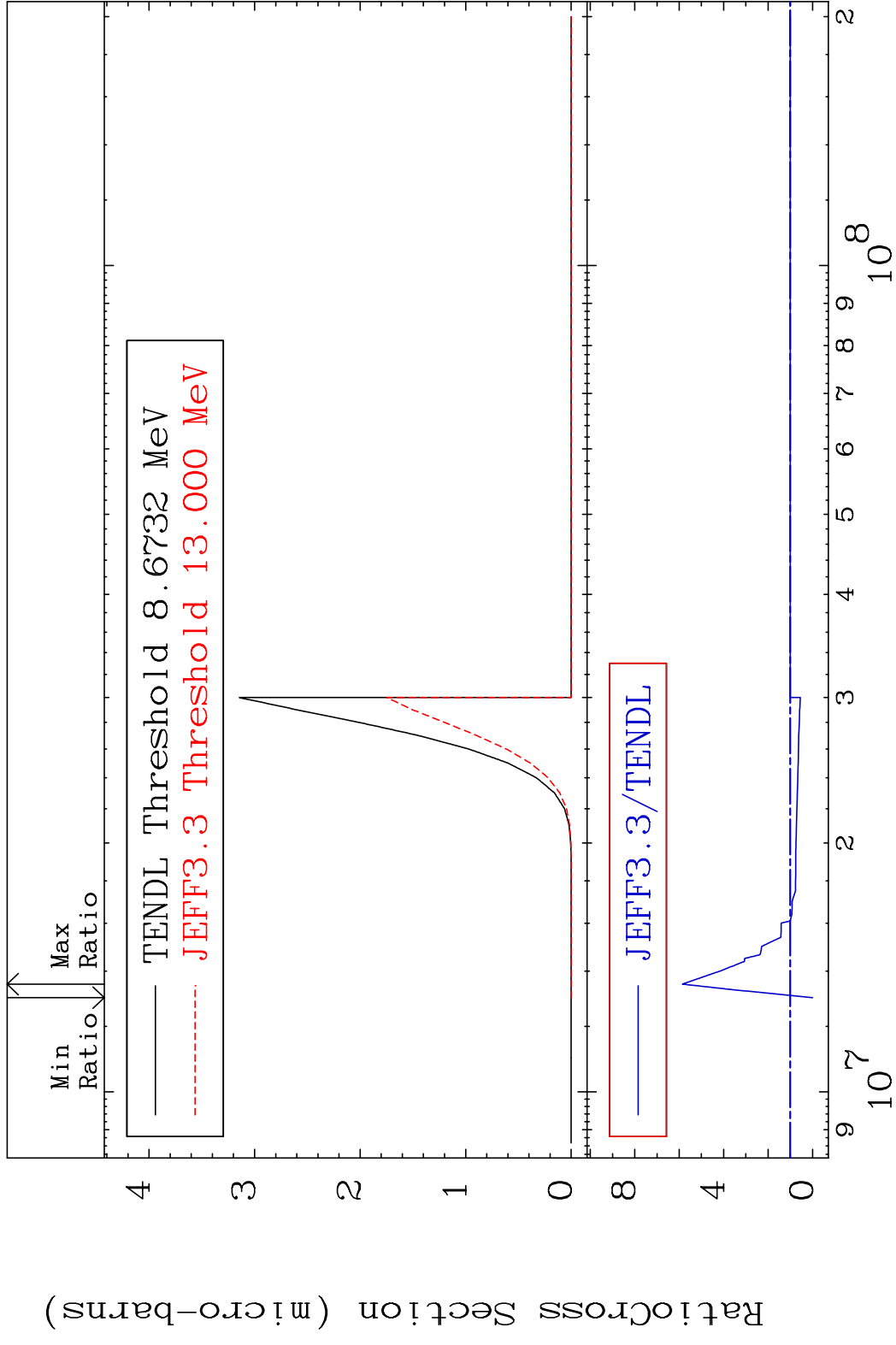


MAT 3531 (n, p) α :32-Ge-77g 35-Br-81
 Radionuclide Production Cross Section 541.6 %



89 Incident Energy (eV) 35-Br-81

MAT 3531 (n, p) α :32-Ge-77m1 35-Br-81
 Radionuclide Production Cross Section 180.01 d10 485.8 %



90 Incident Energy (eV) 35-Br-81