

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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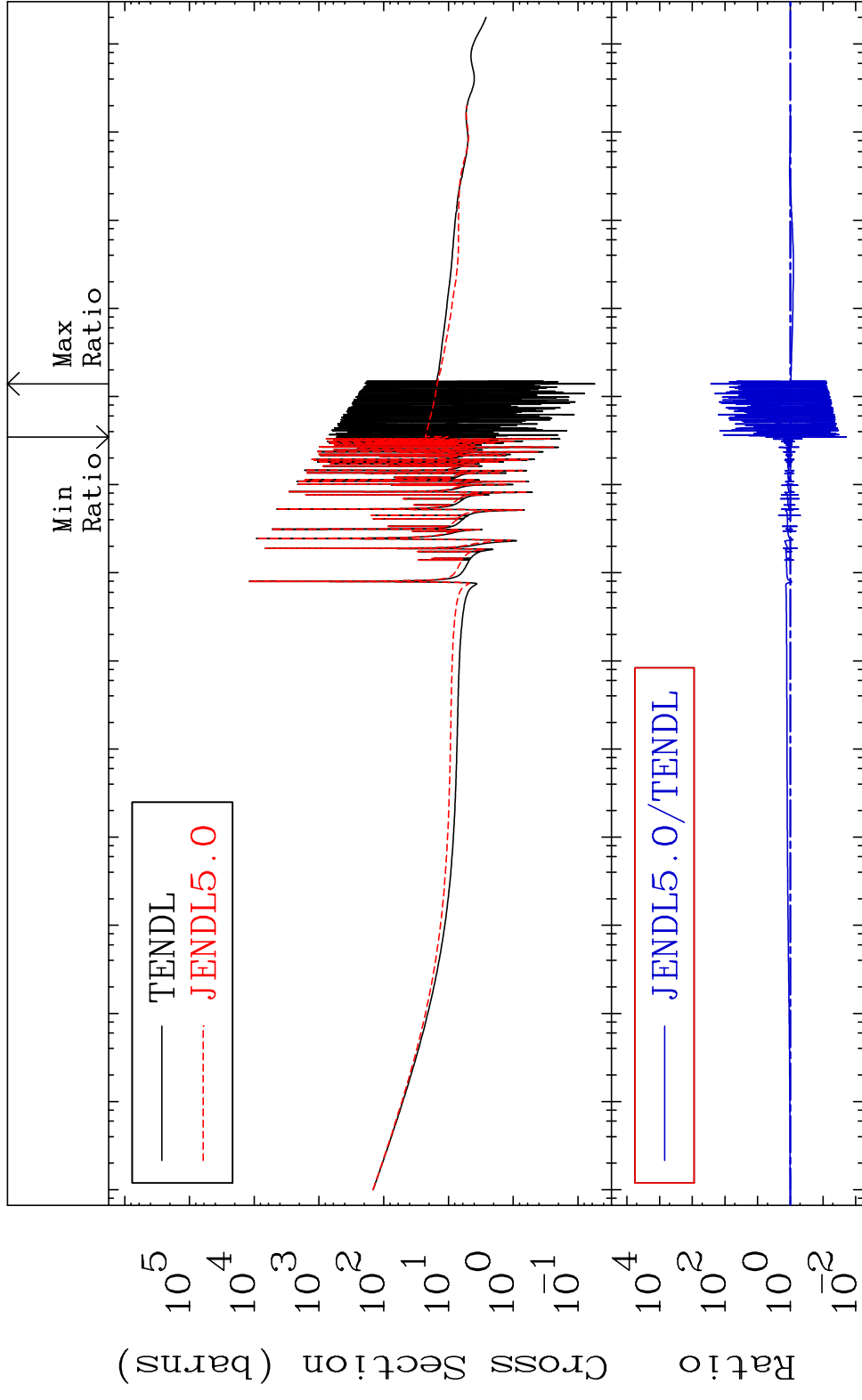
Press Mouse Button to Start

MAT 6843

68-Er-168

Total

Cross Section -98.06 To 9999. %



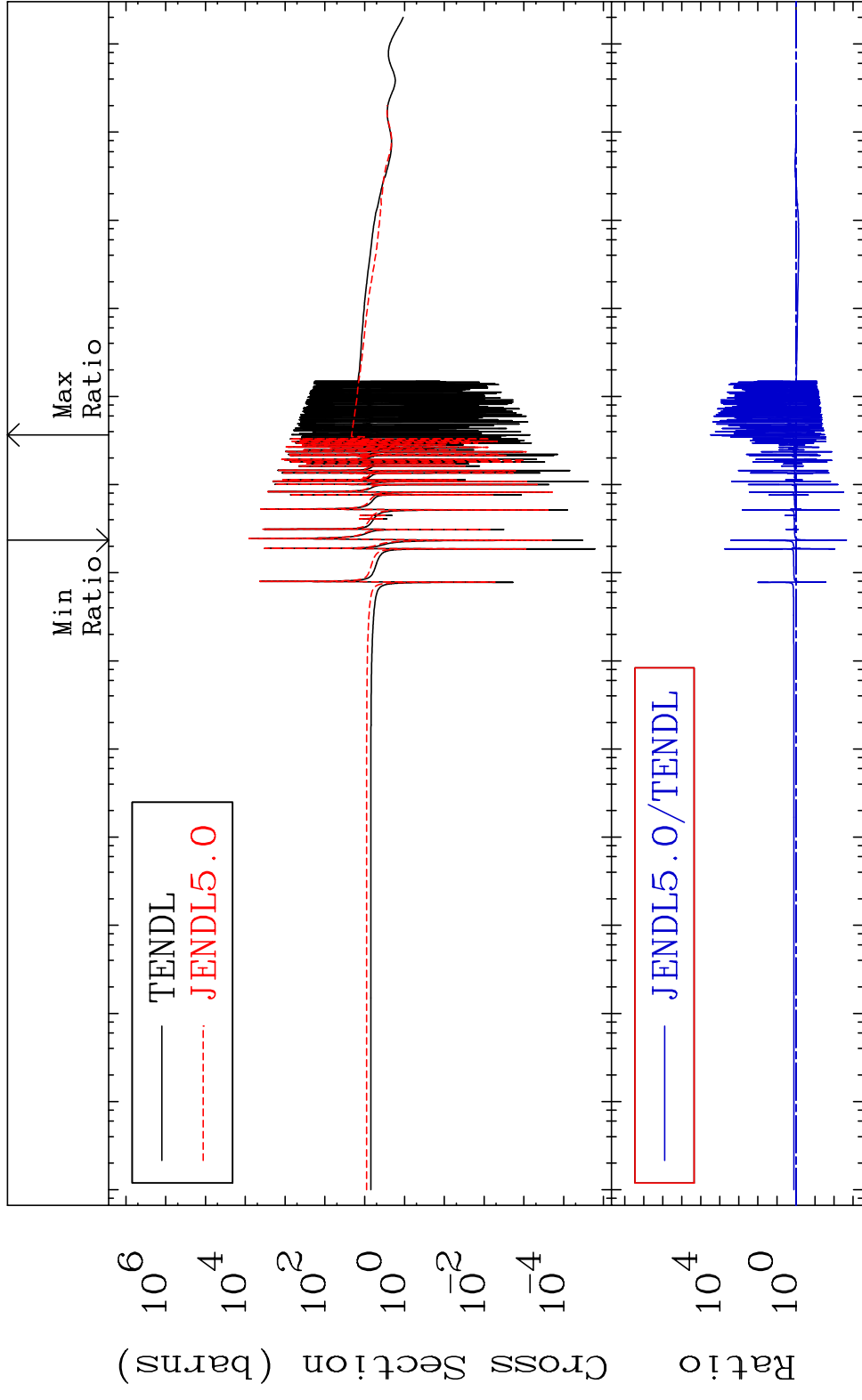
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

68-Er-168

MAT 6843

Elastic Cross Section -99.78 To 9999. %
68-Er-168



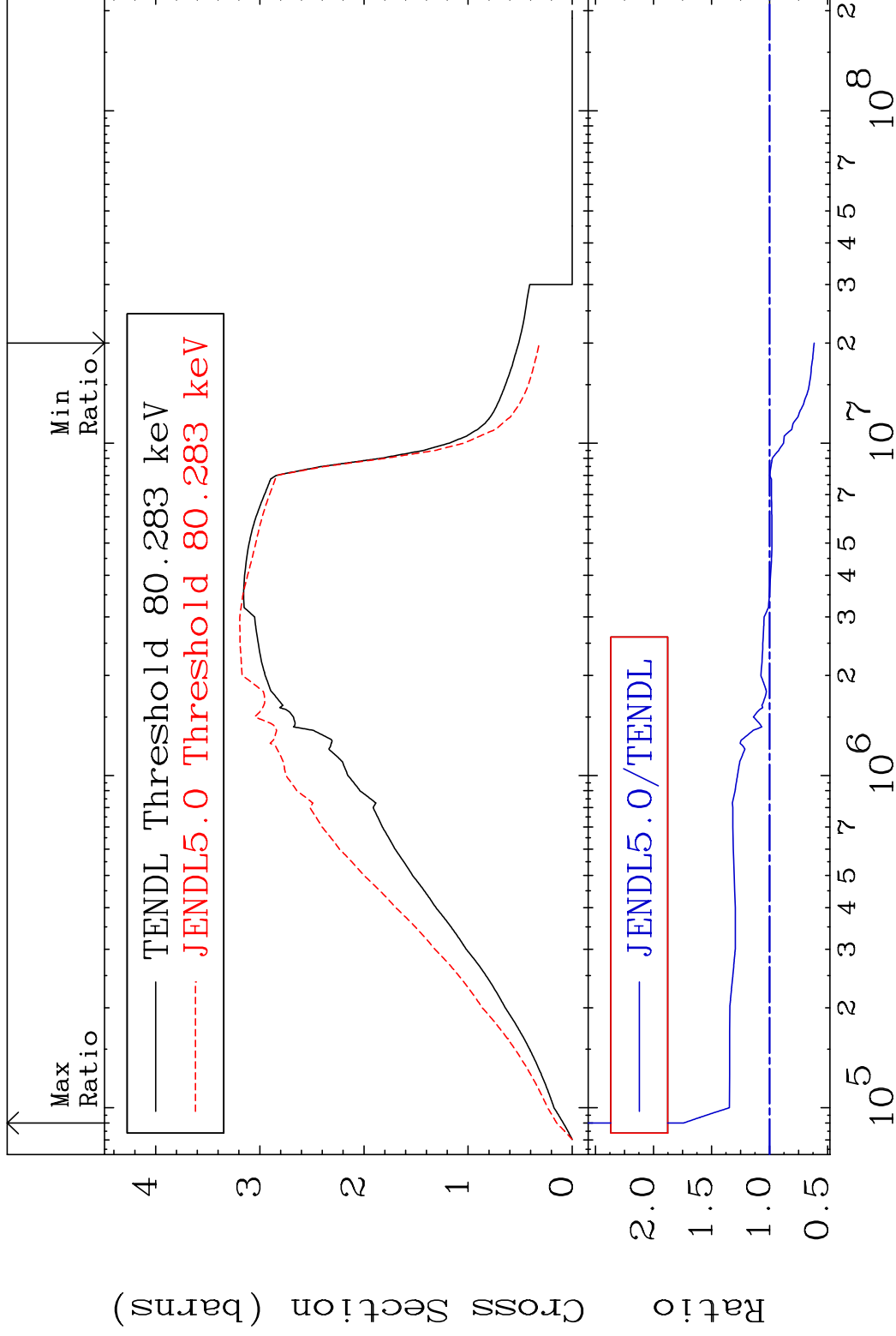
MAT 6843

Inelastic

68-Er-168

Cross Section

-38.37 To 74.01 %



3

Incident Energy (eV)

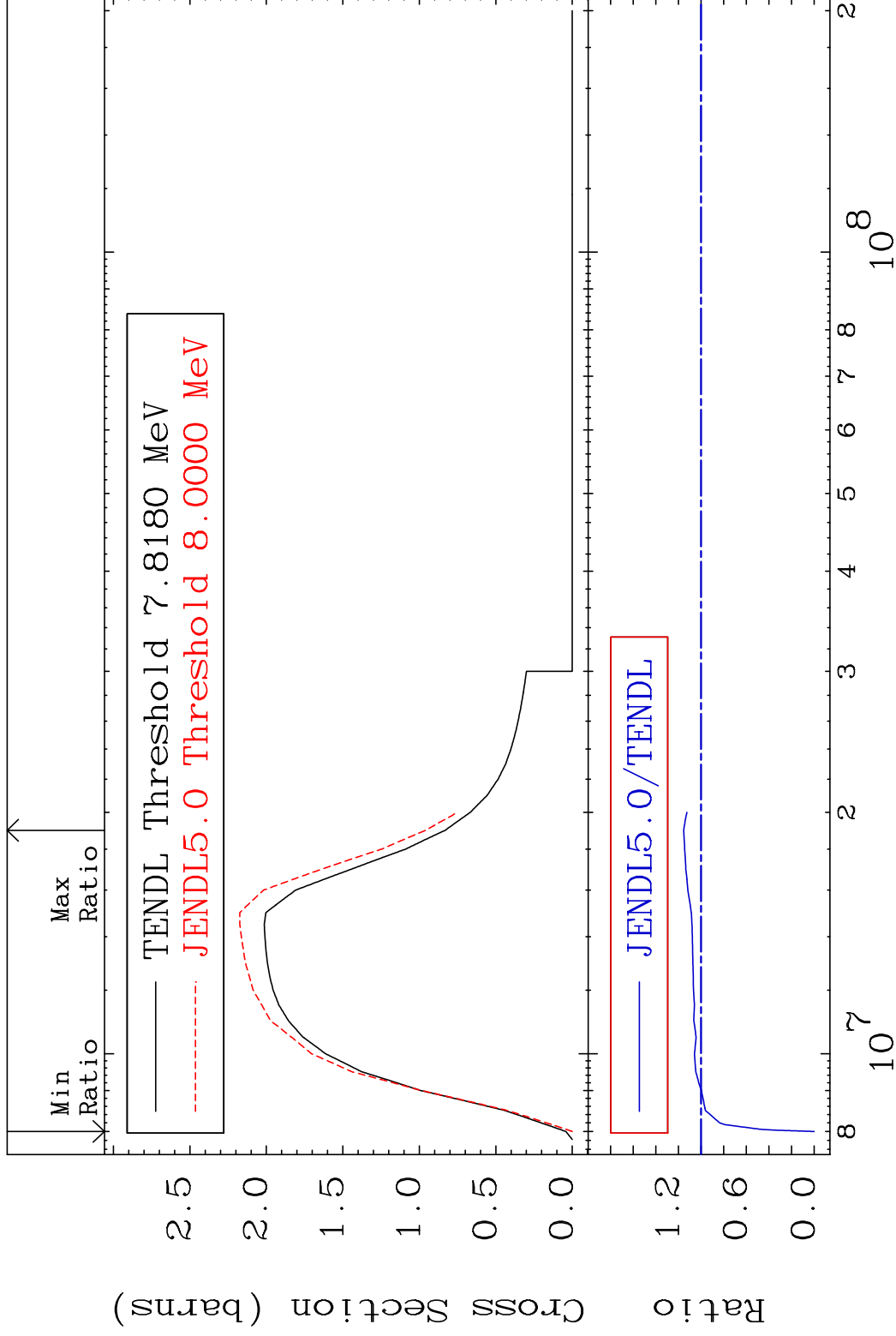
68-Er-168

MAT 6843

(n,2n)

68-Er-168

Cross Section -100.0 To 15.31 %



4

Incident Energy (eV)

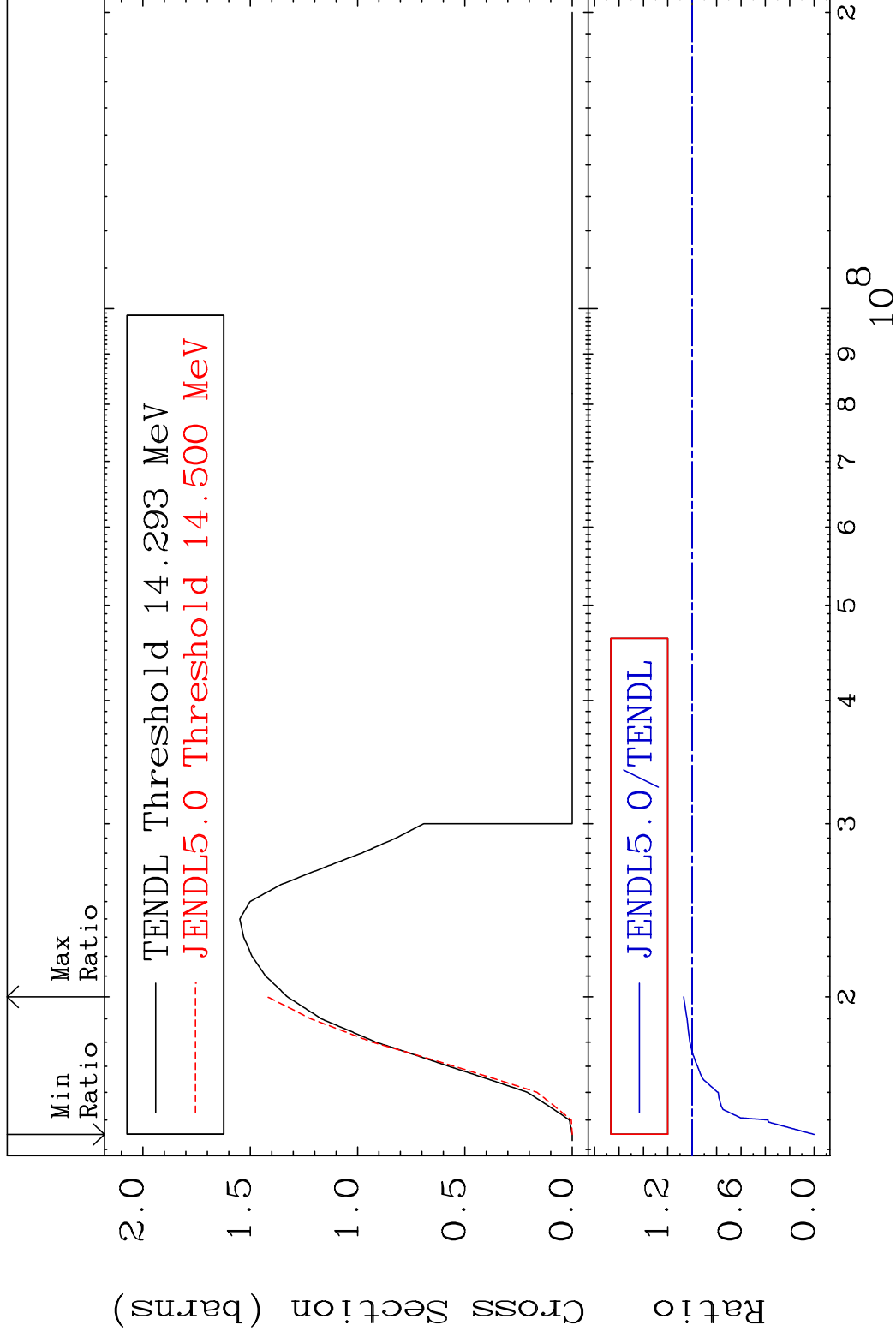
68-Er-168

MAT 6843

(n,3n)

68-Er-168

Cross Section -100.0 To 6.970 %



5

Incident Energy (eV)

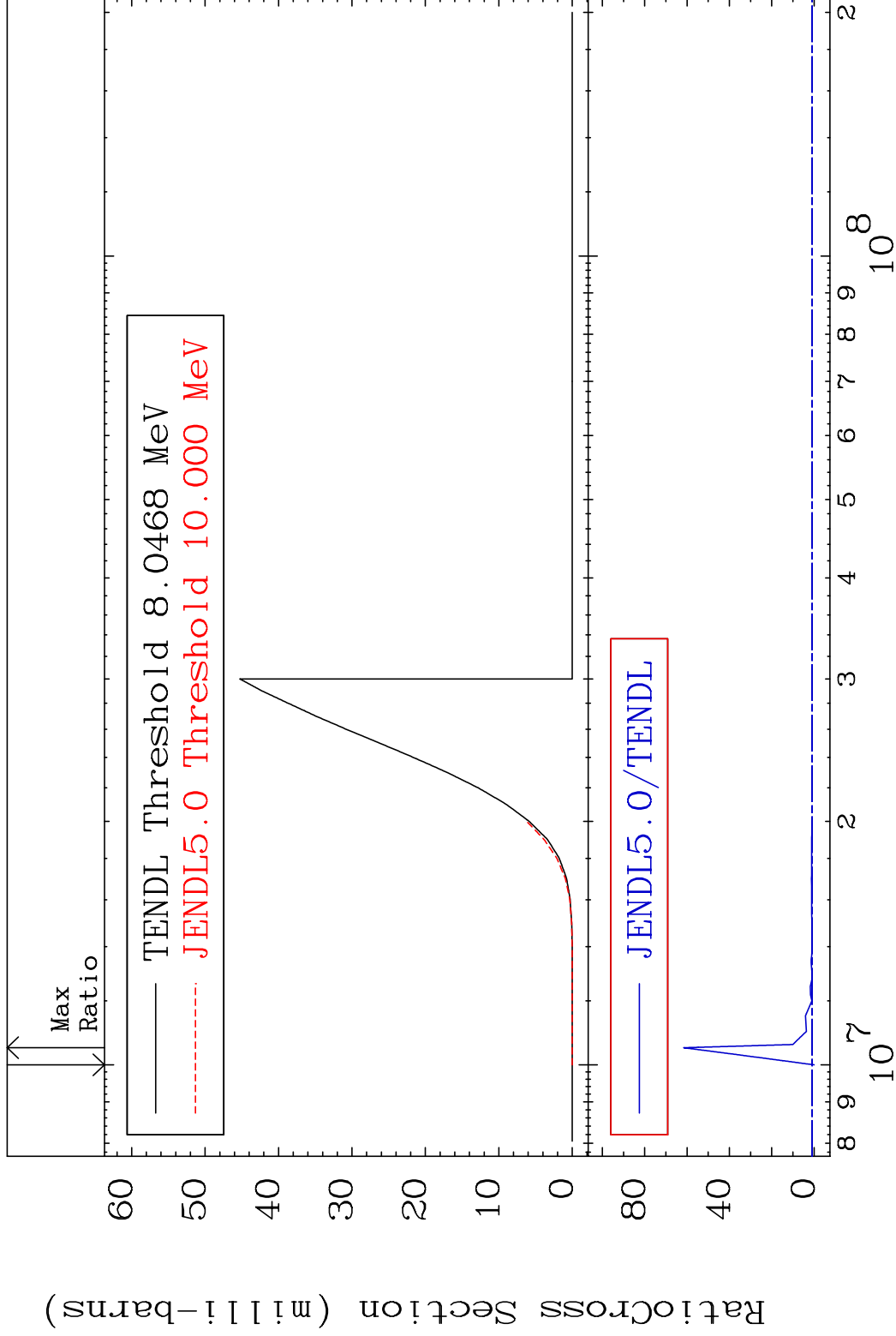
68-Er-168

MAT 6843

(n, n') p

68-Er-168

Cross Section -100.0 To 6060. %



7

Incident Energy (eV)

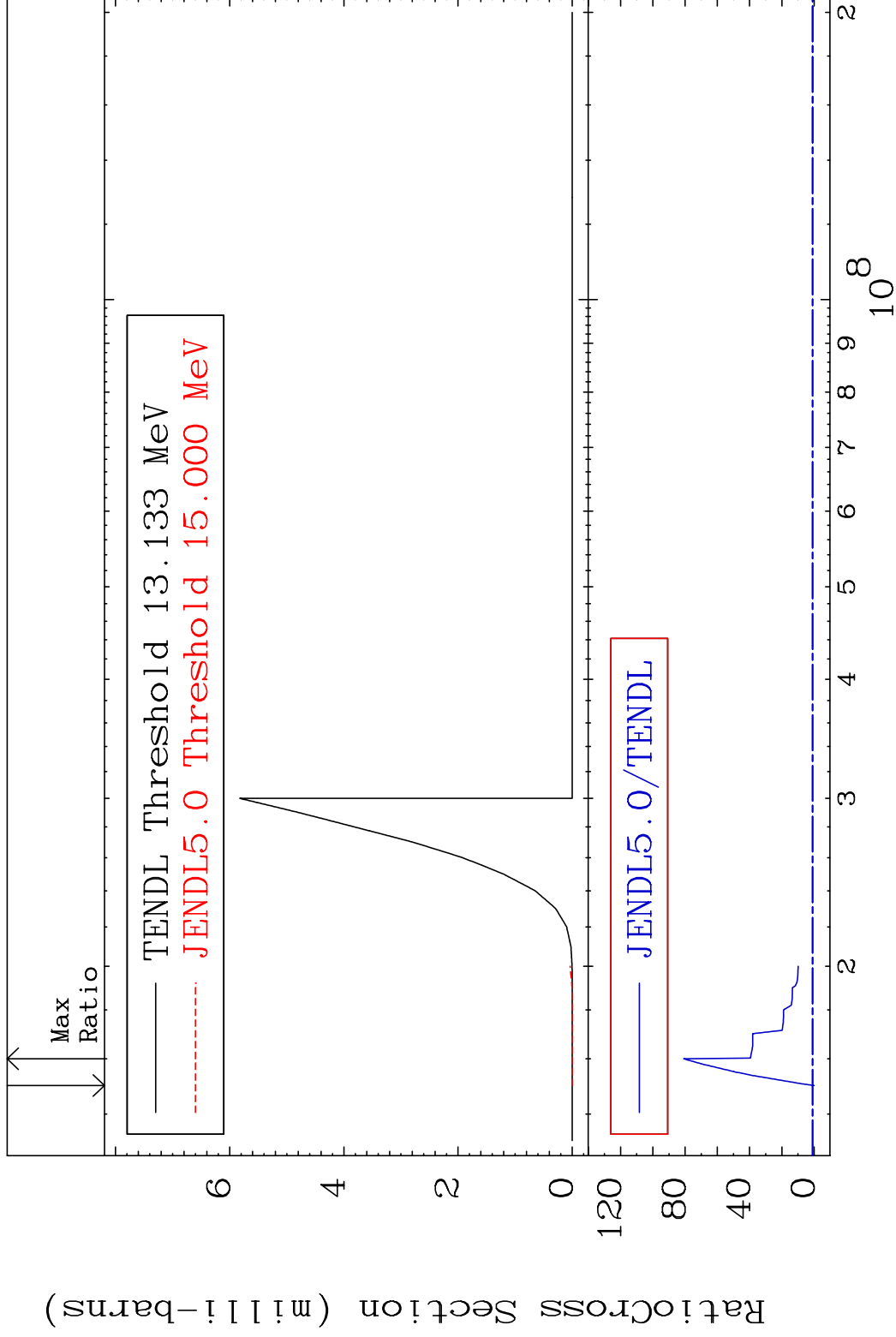
68-Er-168

MAT 6843

(n, n') d

68-Er-168

Cross Section -100.0 To 7989. %

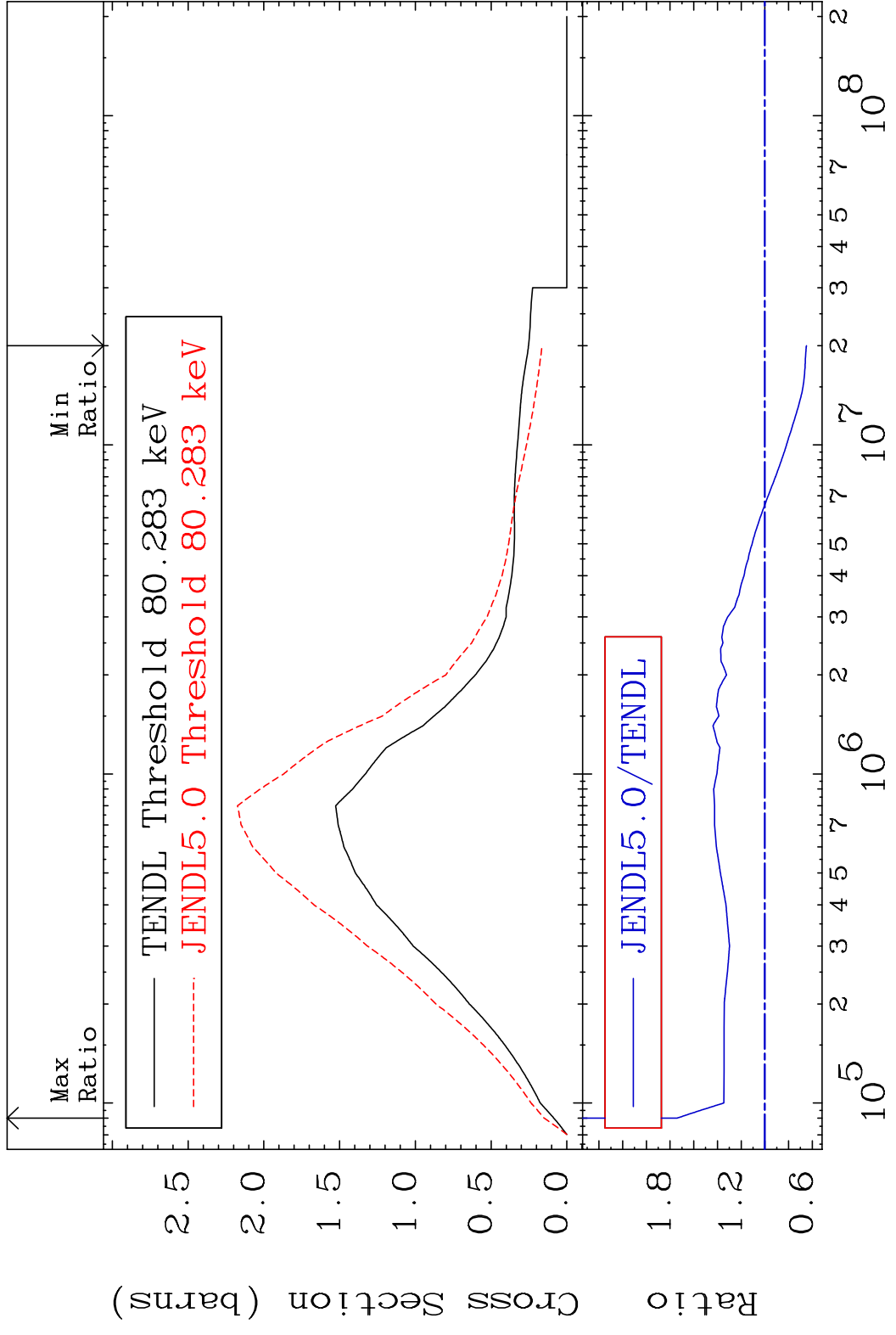


8

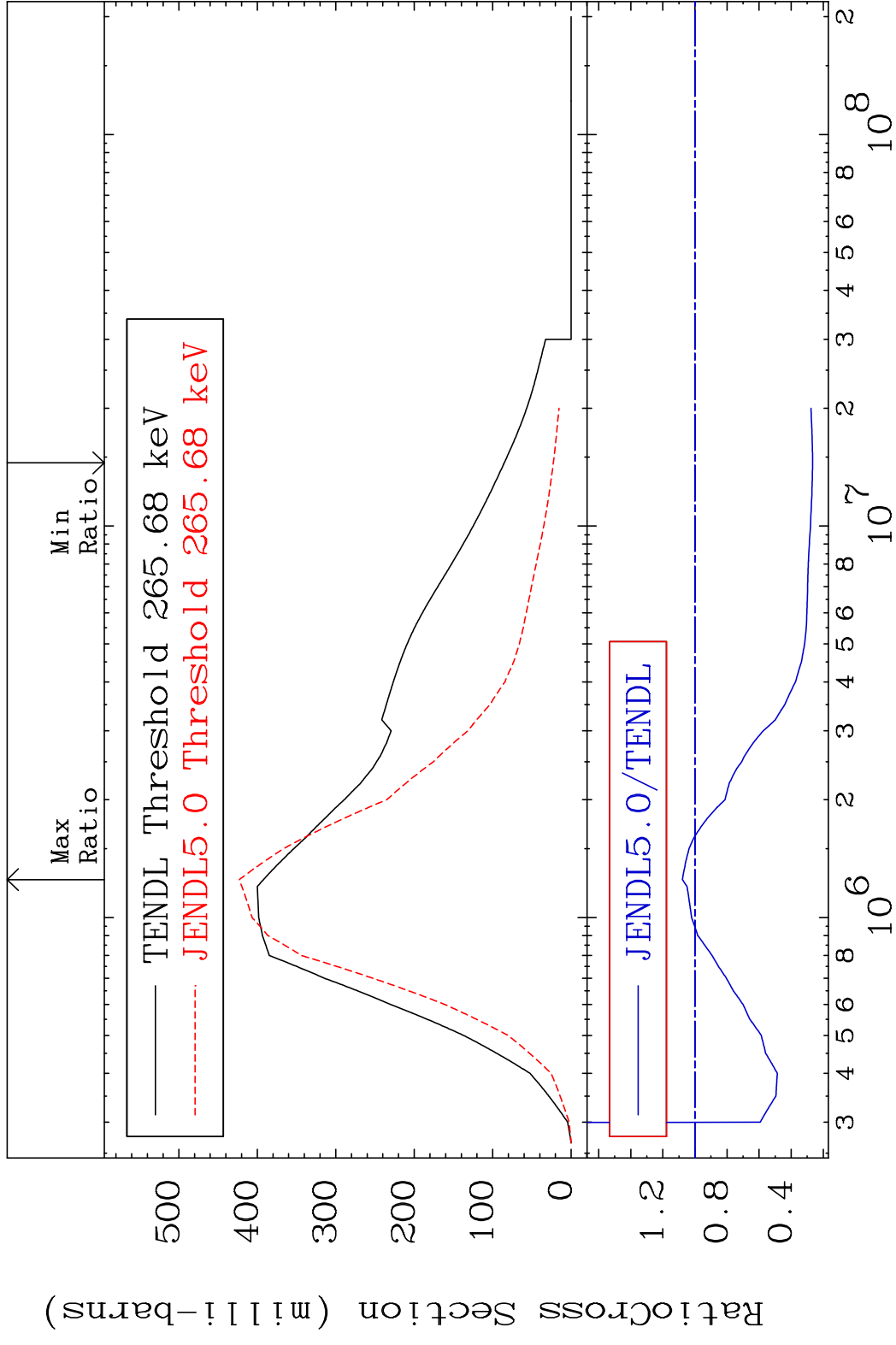
Incident Energy (eV)

68-Er-168

MAT 6843 MT= 51 (n, n') Level 68-Er-168
 Cross Section -35.08 To 74.01 %

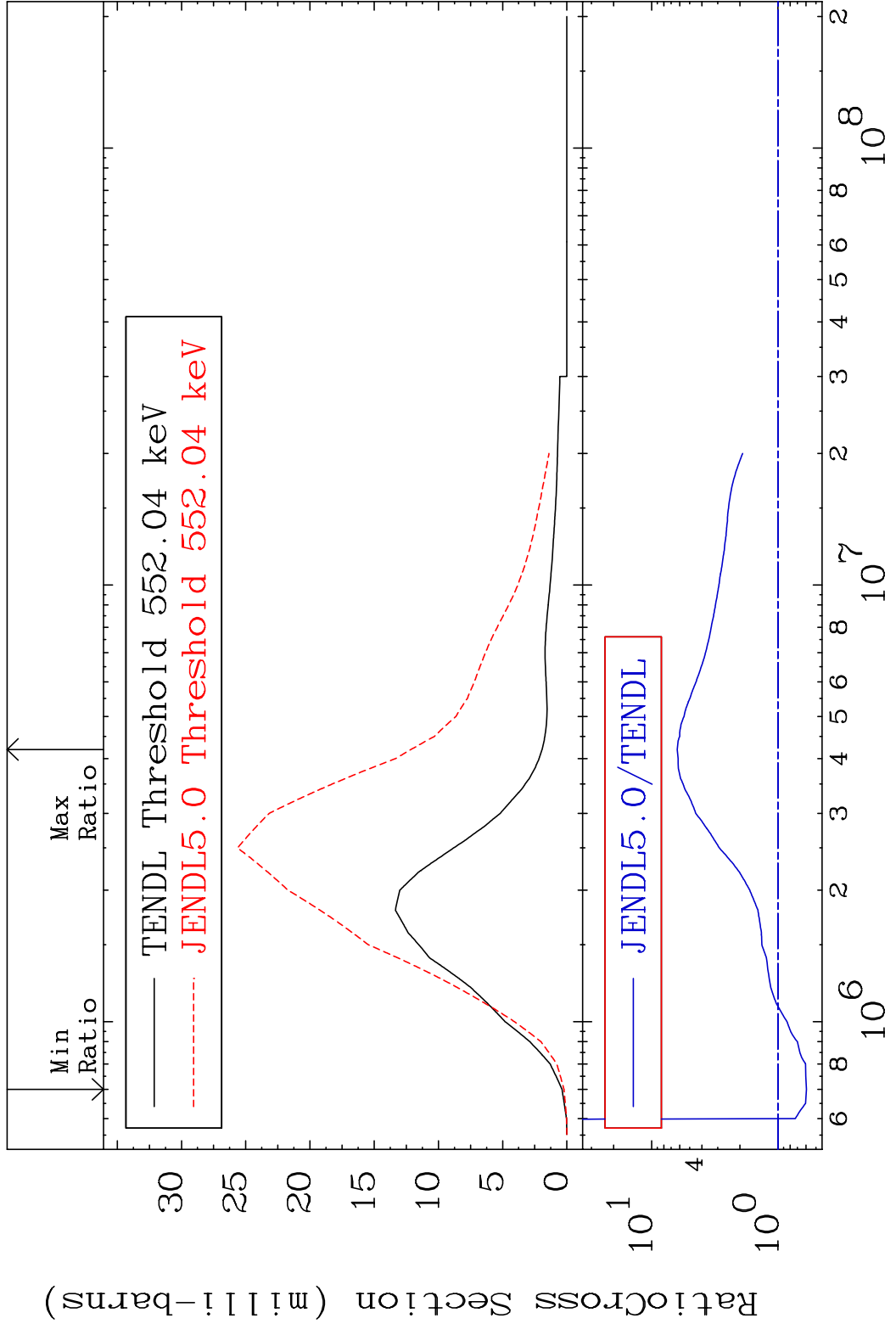


MAT 6843 MT= 52 (n, n') Level 68-Er-168
 Cross Section -73.35 To 7.846 %



10 Incident Energy (eV) 68-Er-168

MAT 6843 MT= 53 (n, n') Level 68-Er-168
 Cross Section -40.53 To 527.6 %

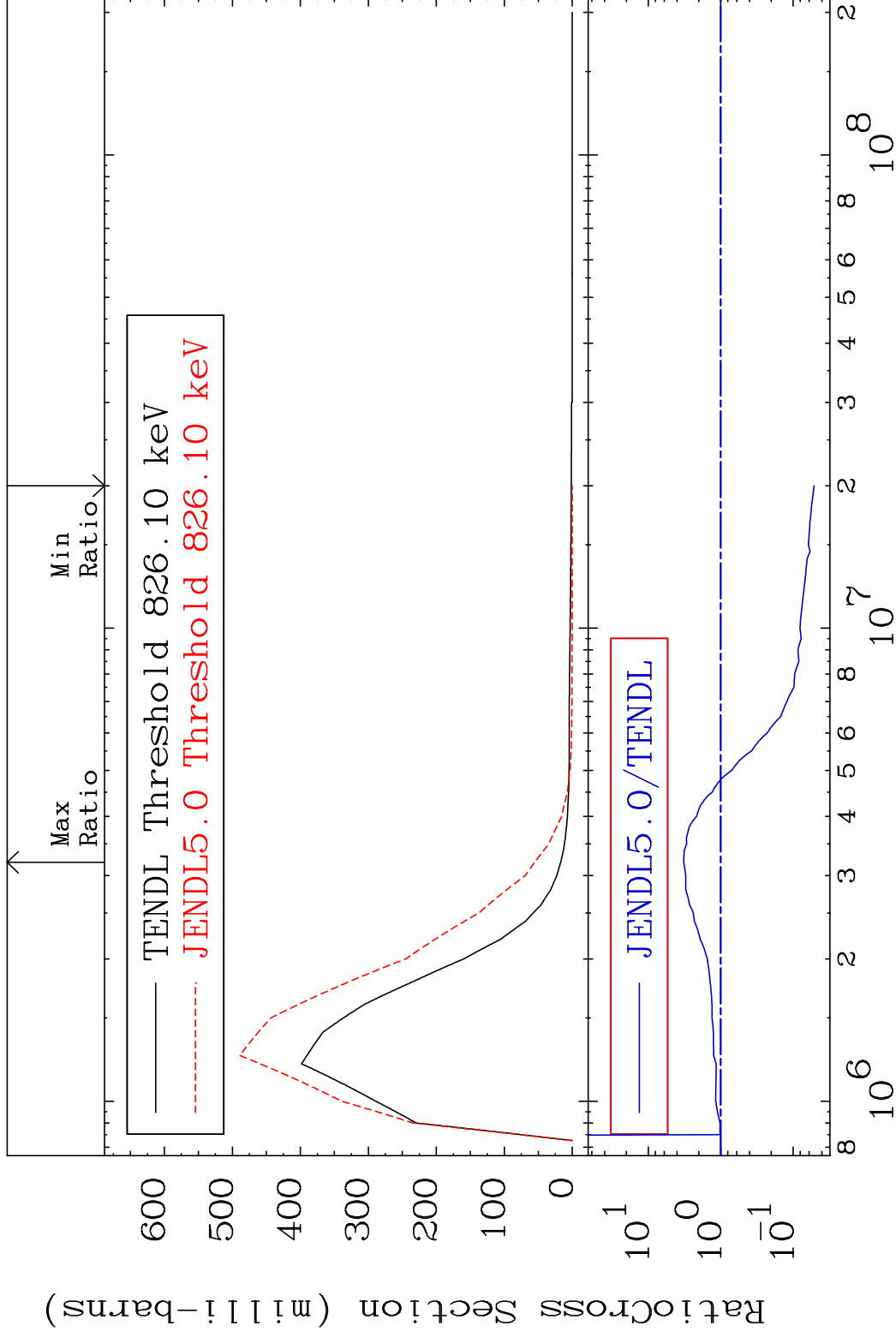


MAT 6843

MT= 54 (n, n') Level

68-Er-168

Cross Section -94.87 To 224.3 %

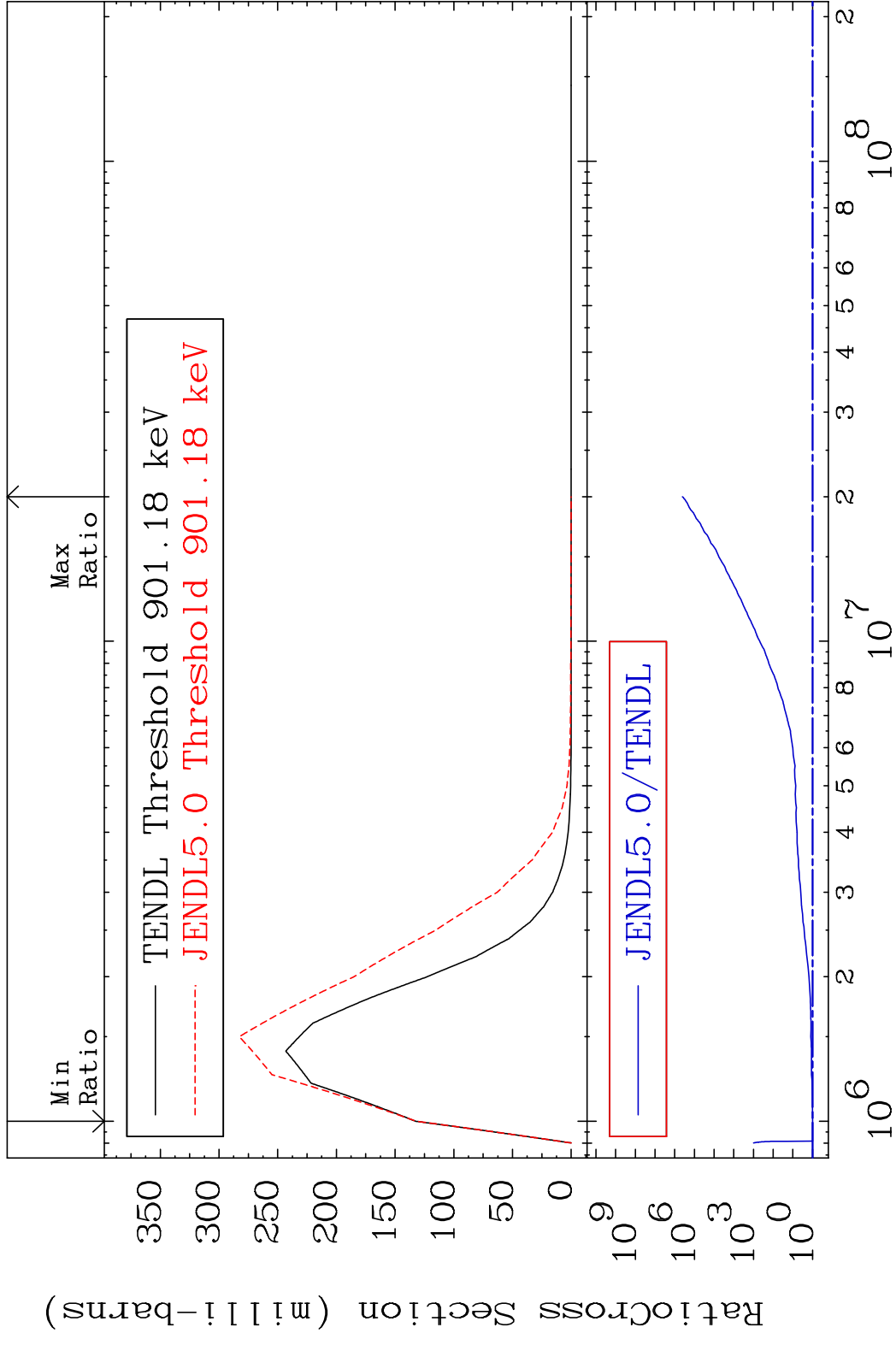


12

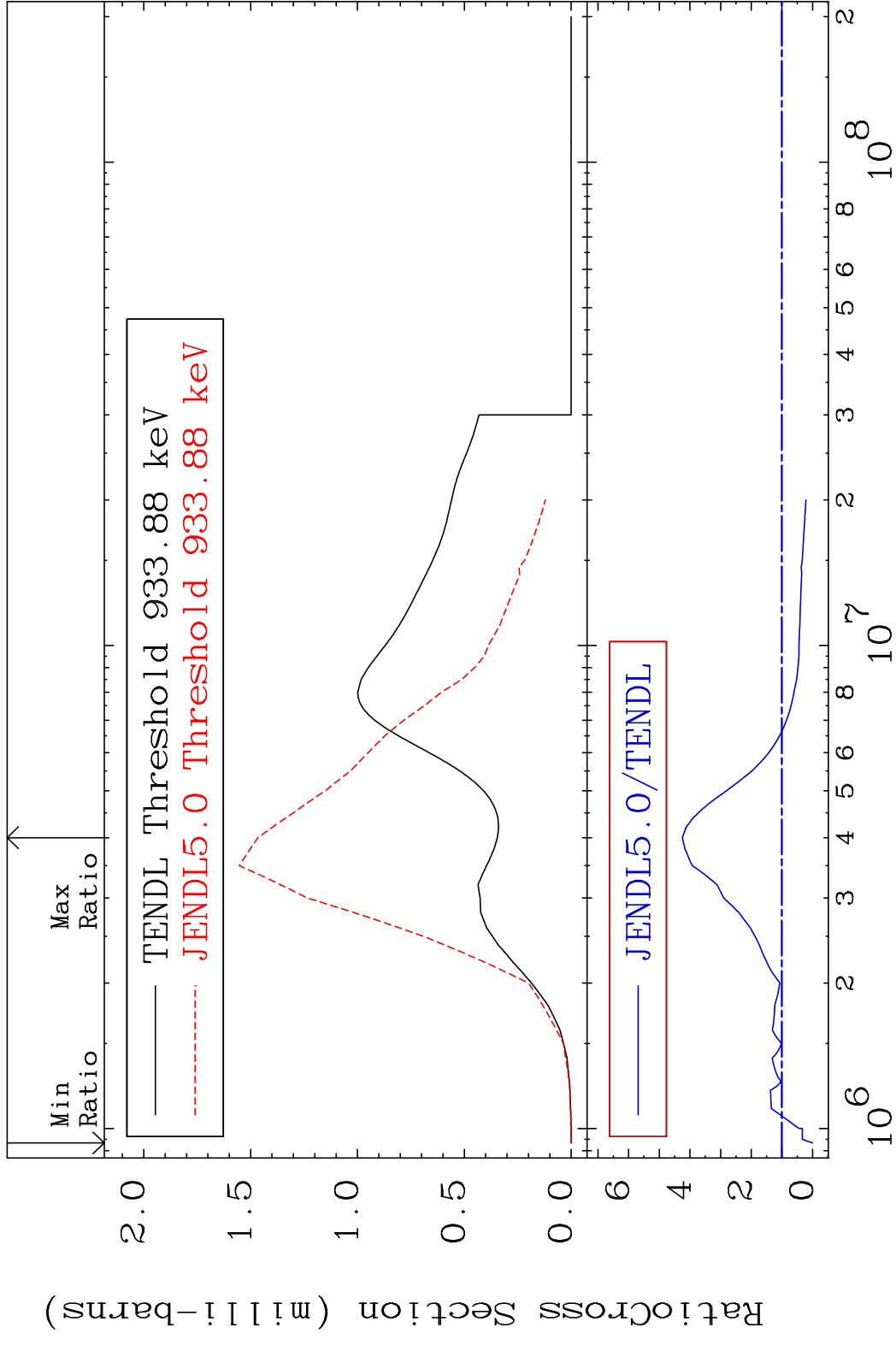
Incident Energy (eV)

68-Er-168

MAT 6843 MT= 55 (n, n') Level 68-Er-168
 Cross Section -0.430 To 9999. %

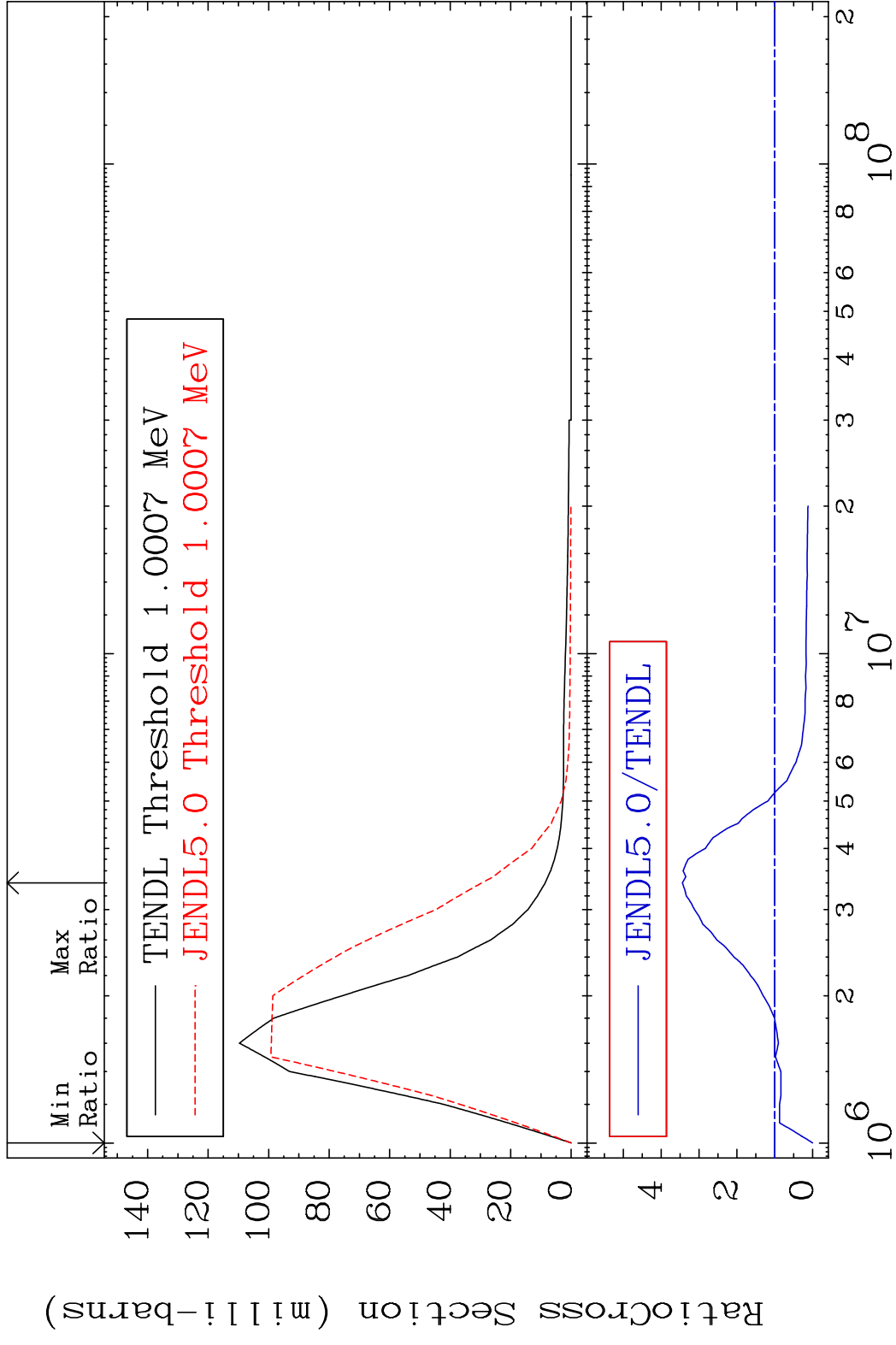


MAT 6843 MT= 56 (n, n') Level 68-Er-168
 Cross Section -100.0 To 324.7 %



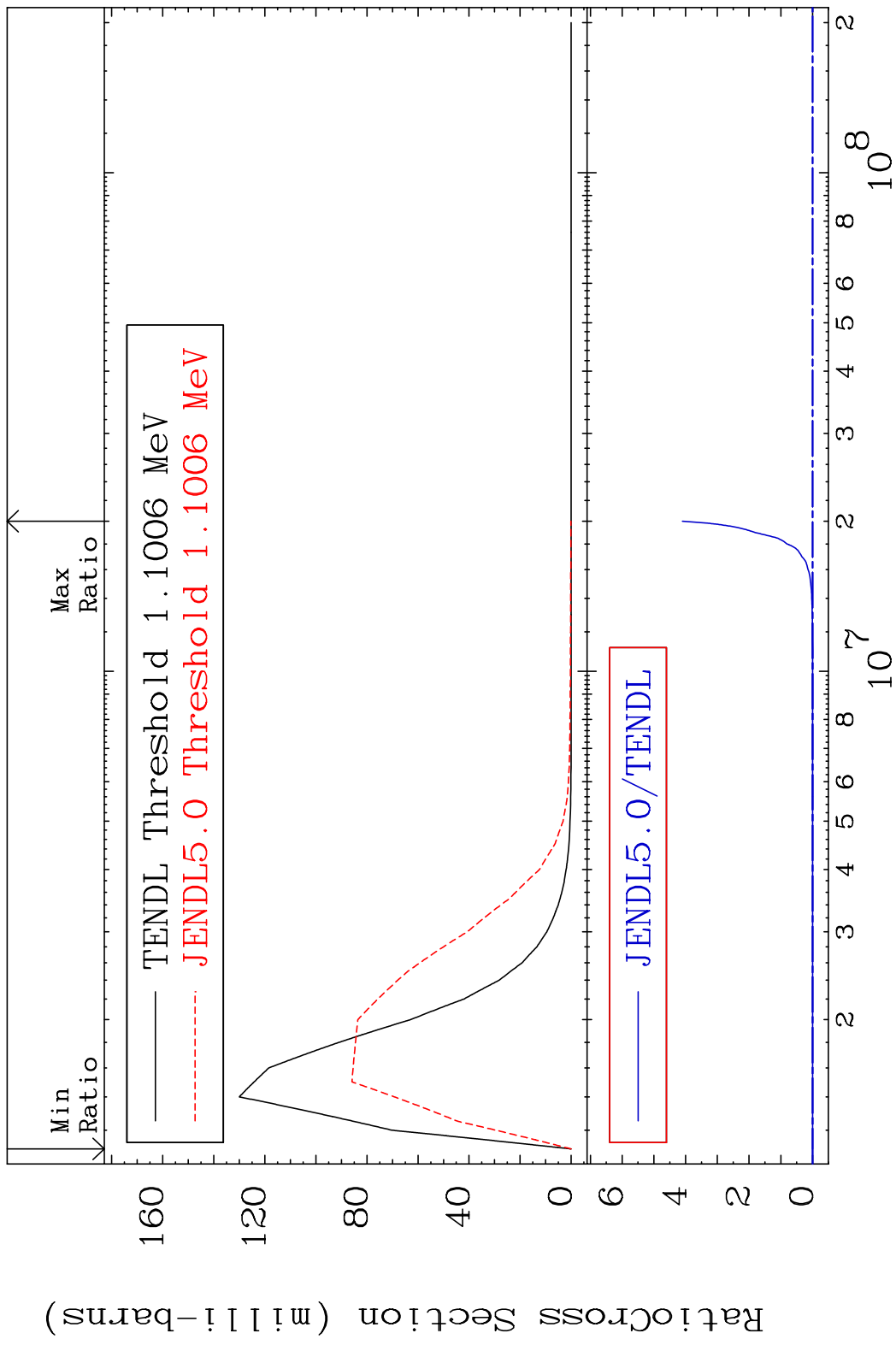
14 Incident Energy (eV) 68-Er-168

MAT 6843 MT= 57 (n, n') Level 68-Er-168
 Cross Section -100.0 To 244.0 %

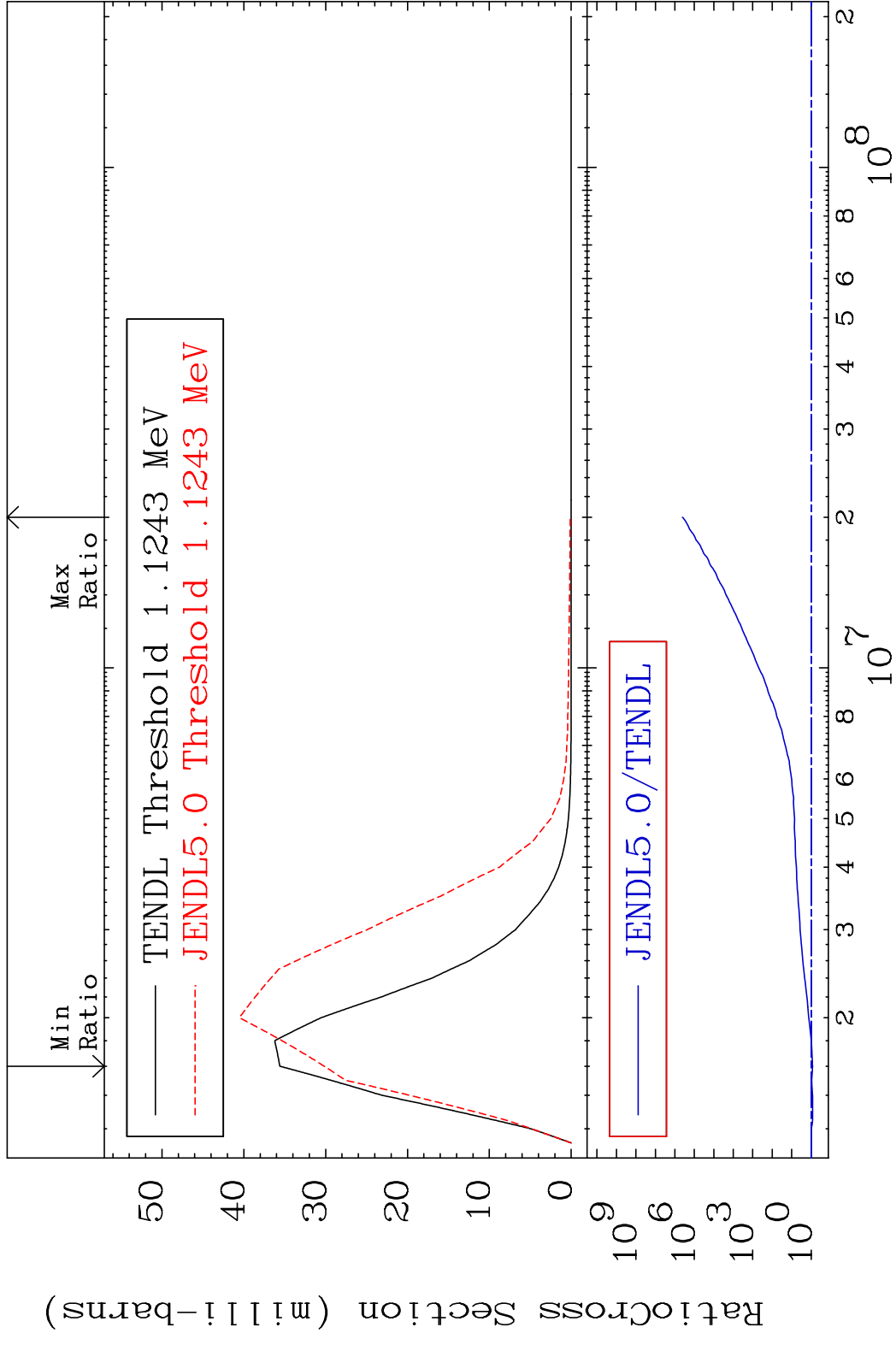


15 68-Er-168

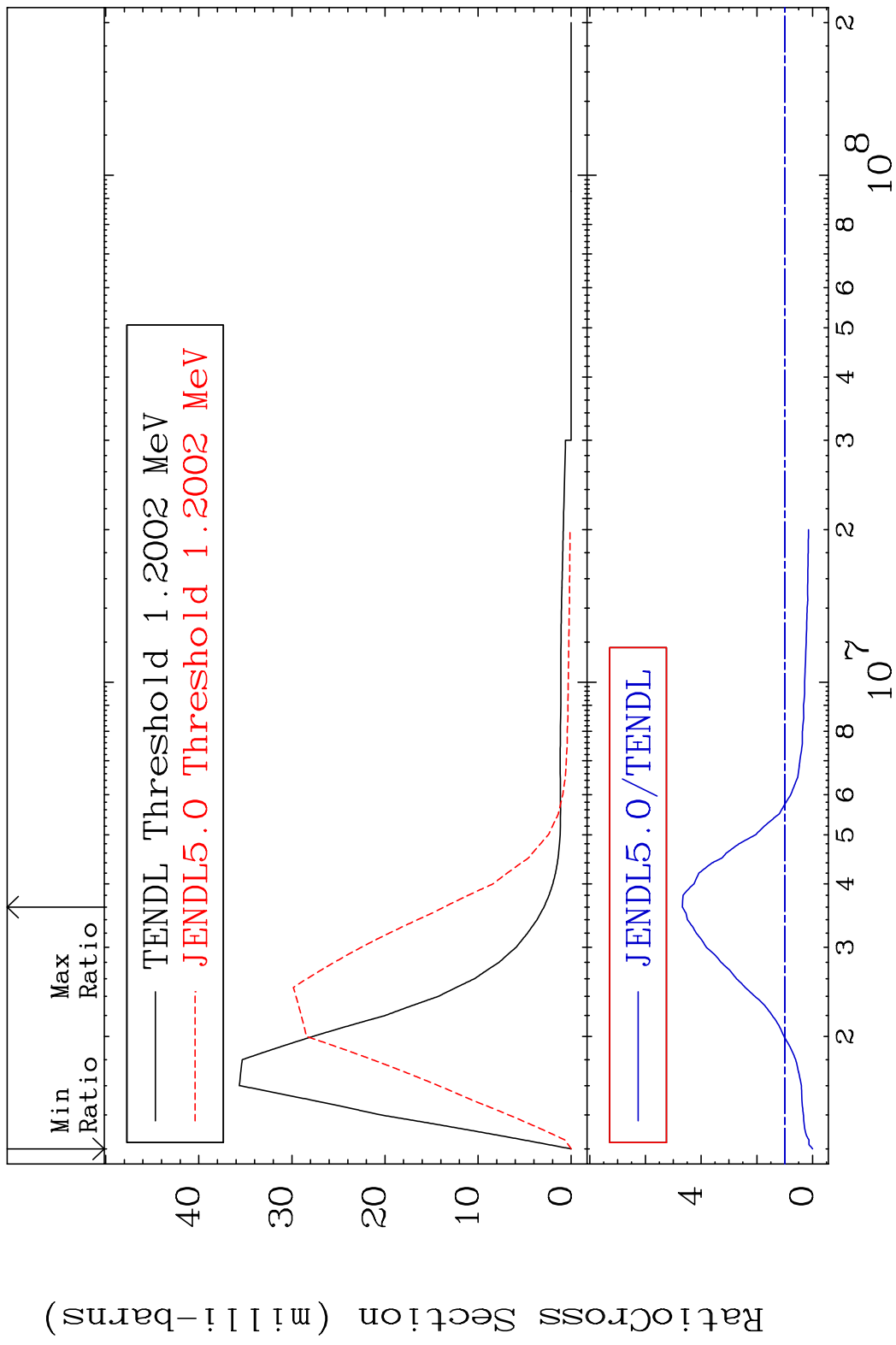
MAT 6843 MT= 58 (n, n') Level 68-Er-168
 Cross Section -100.0 To 9999. %



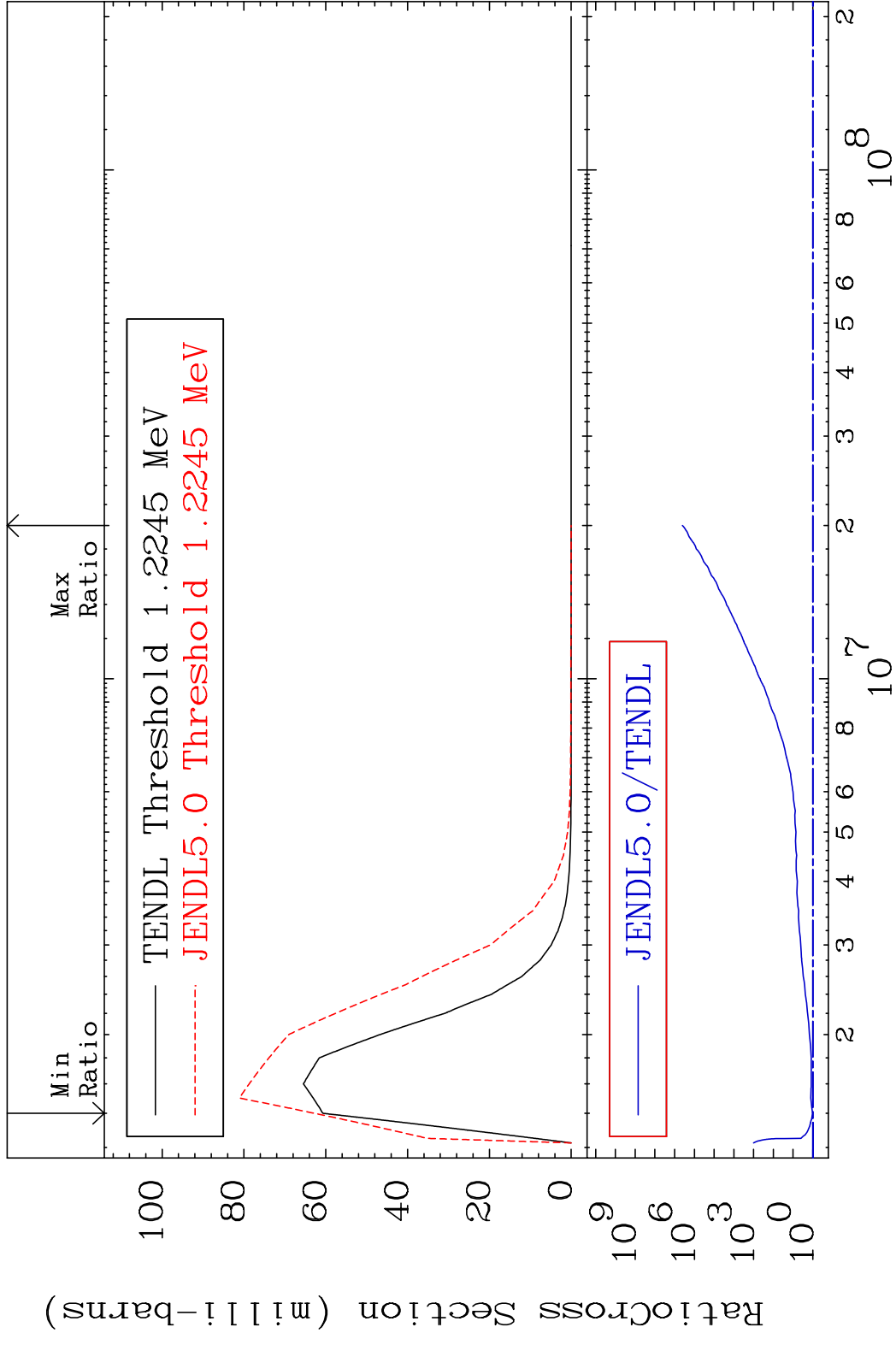
MAT 6843 MT= 59 (n, n') Level 68-Er-168
 Cross Section -15.25 To 9999. %



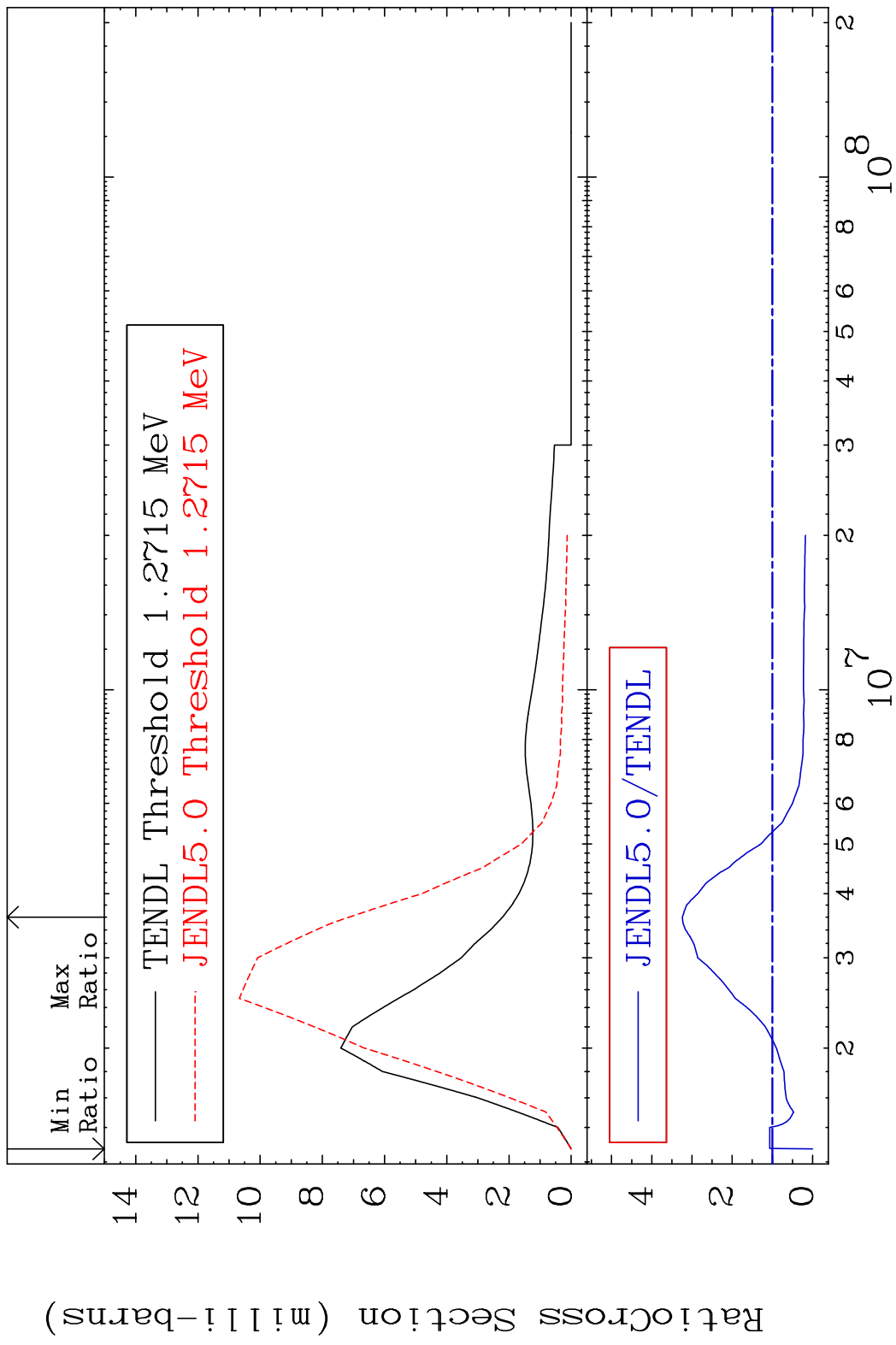
MAT 6843 MT= 60 (n, n') Level 68-Er-168
 Cross Section -100.0 To 367.5 %



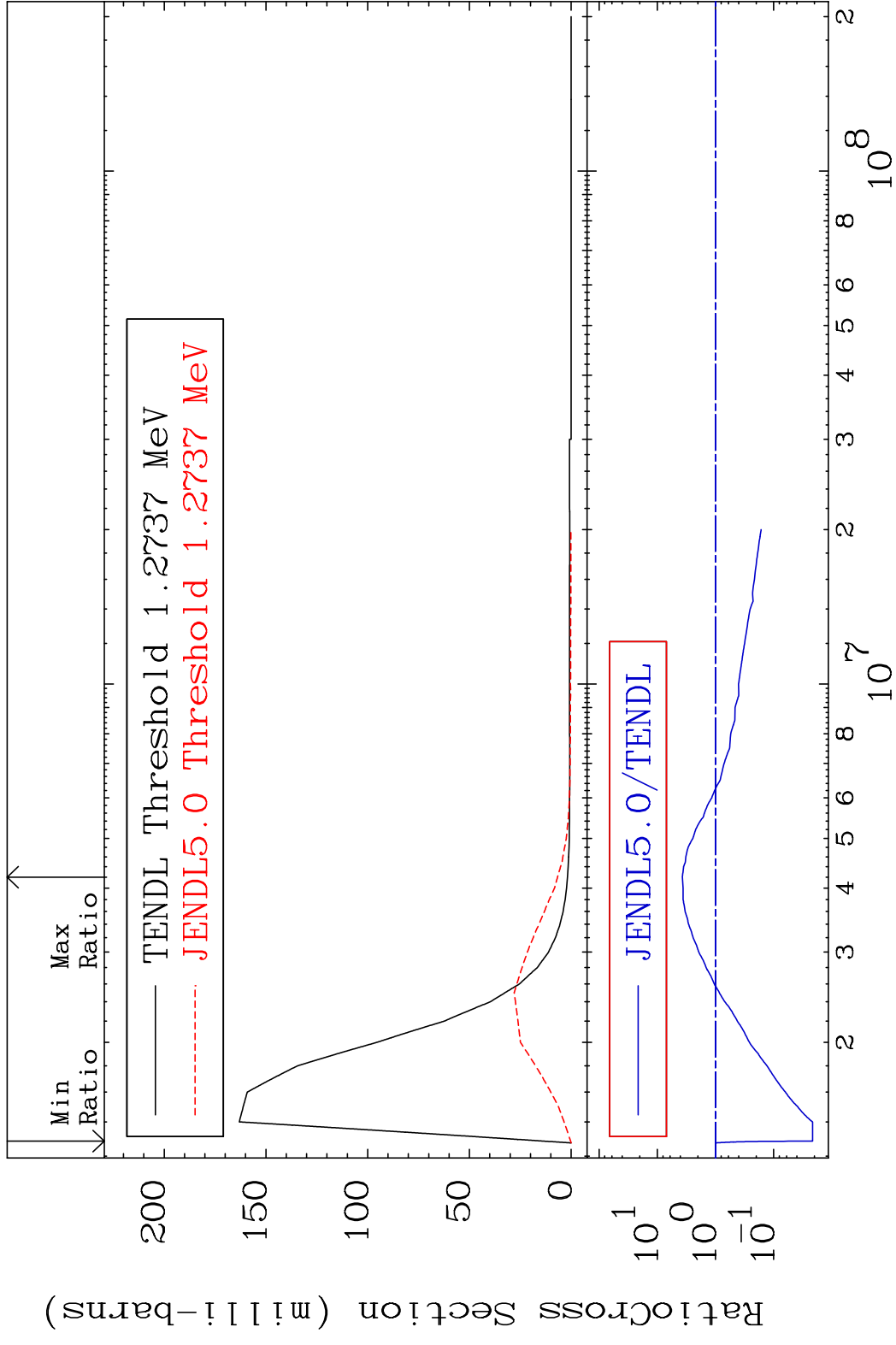
MAT 6843 MT= 61 (n, n') Level 68-Er-168
 Cross Section 3.372 To 9999. %



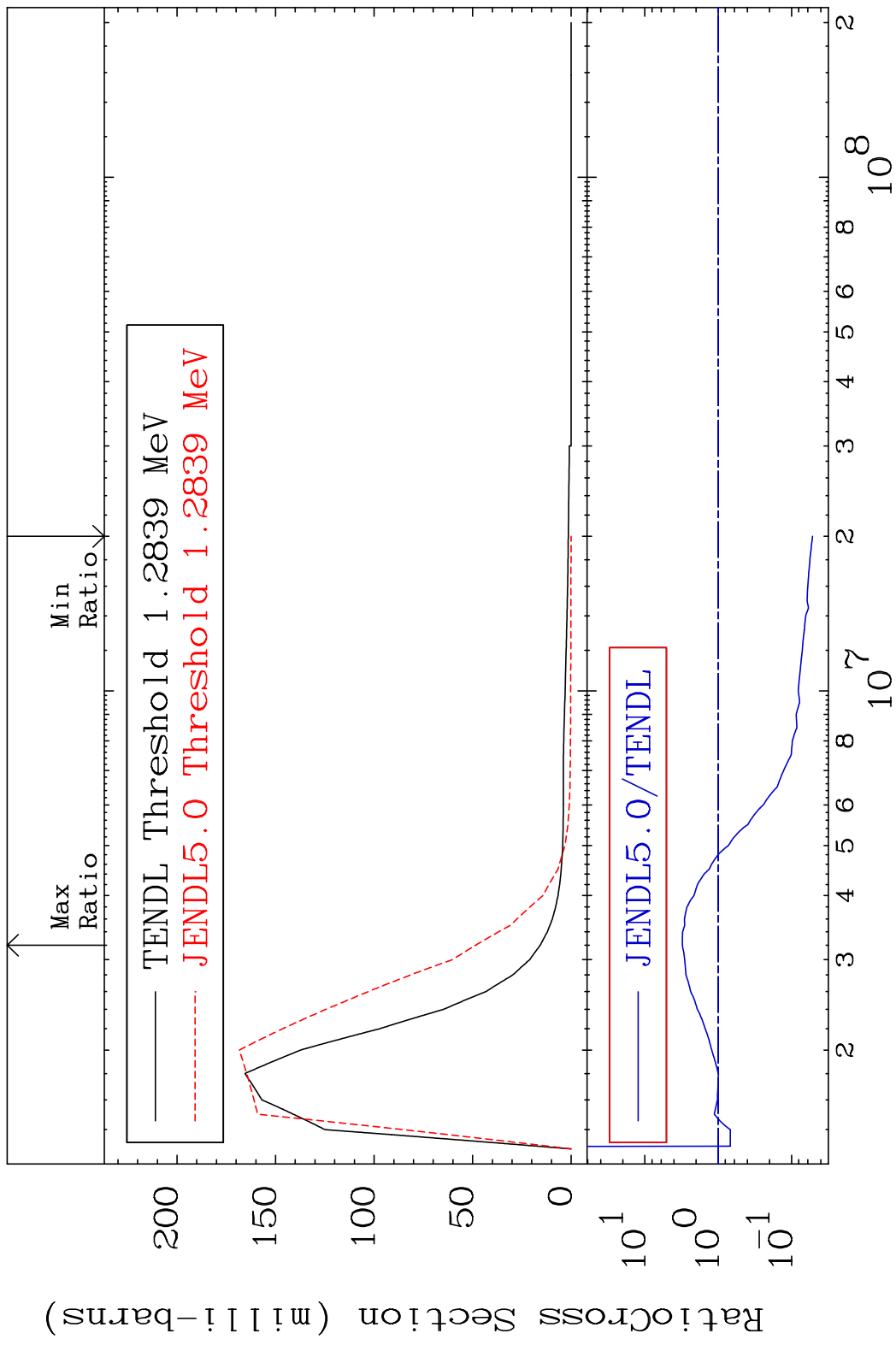
MAT 6843 MT= 62 (n, n') Level 68-Er-168
 Cross Section -100.0 To 223.9 %



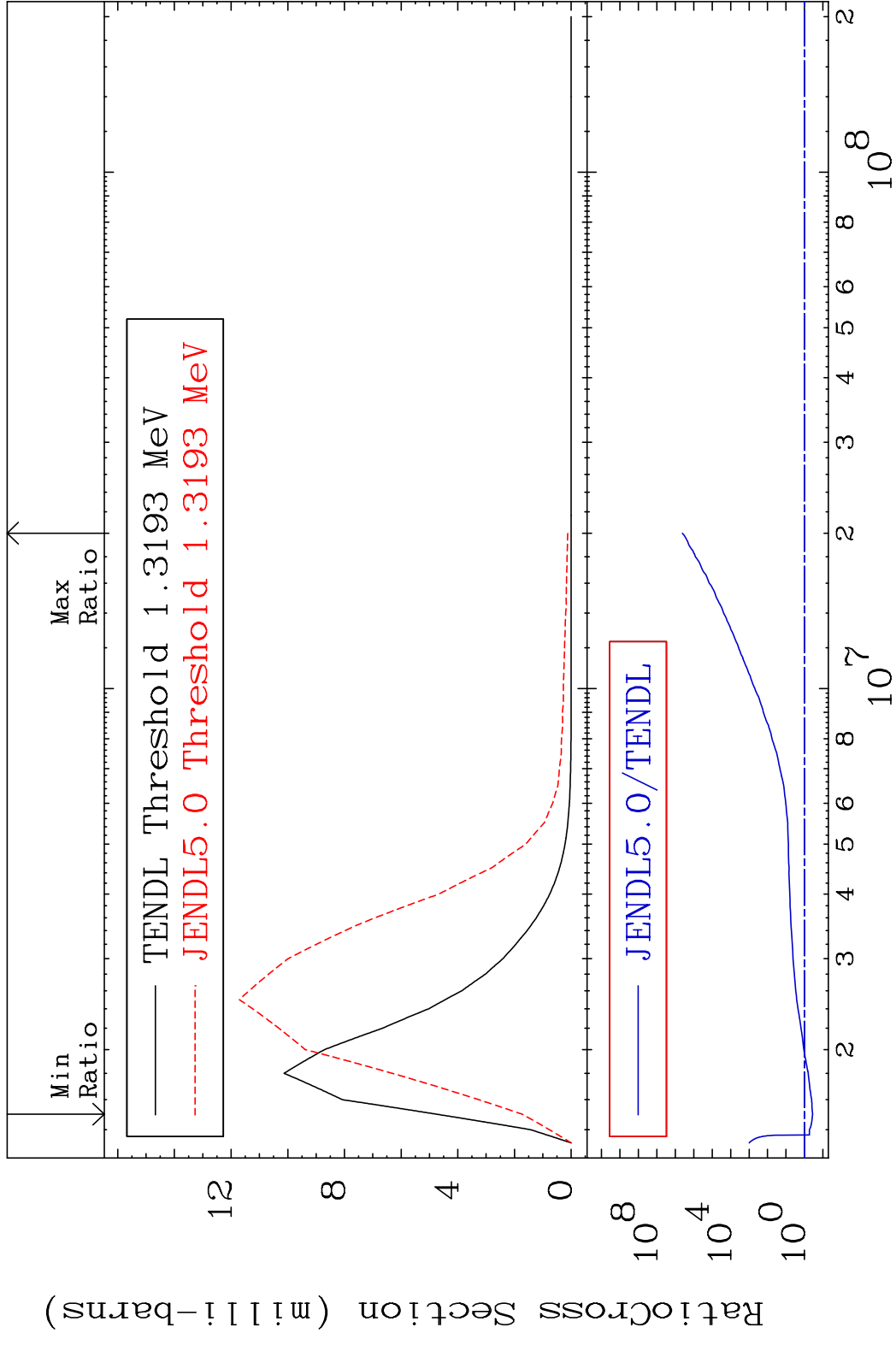
MAT 6843 MT= 63 (n, n') Level 68-Er-168
 Cross Section -97.85 To 270.7 %



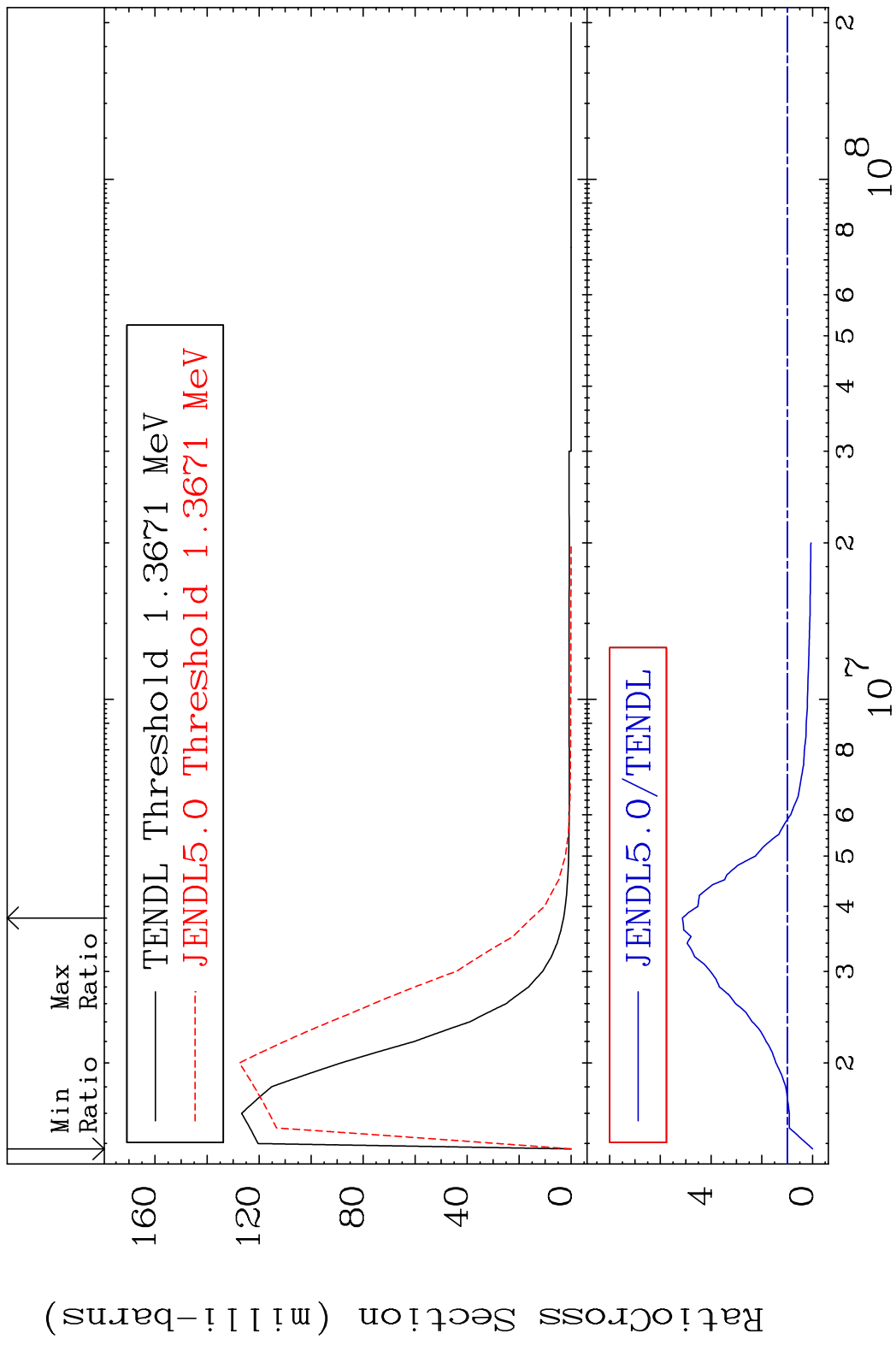
MAT 6843 MT= 64 (n, n') Level 68-Er-168
 Cross Section -94.83 To 208.2 %



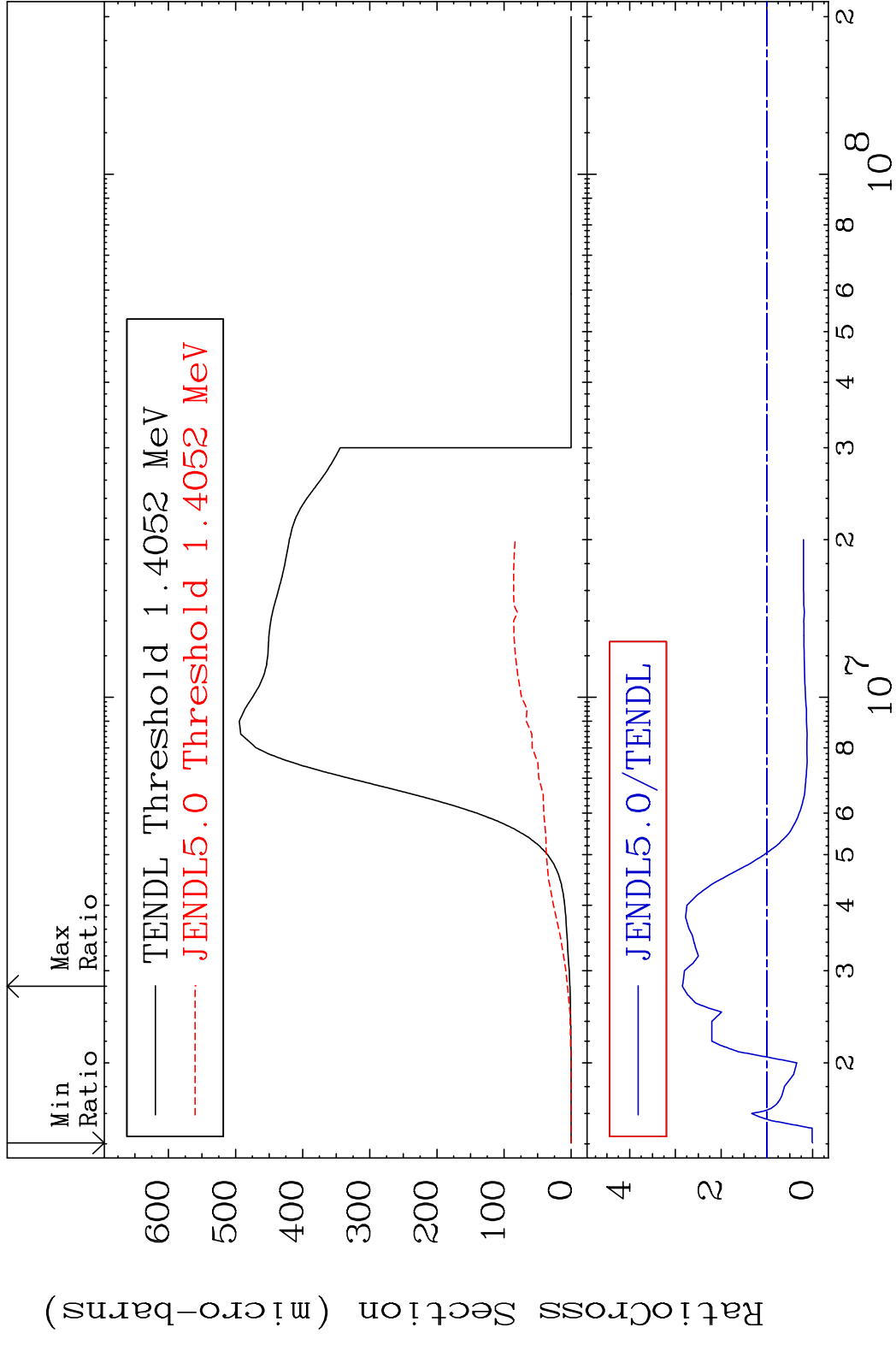
MAT 6843 MT= 65 (n, n') Level 68-Er-168
 Cross Section -63.57 To 9999. %



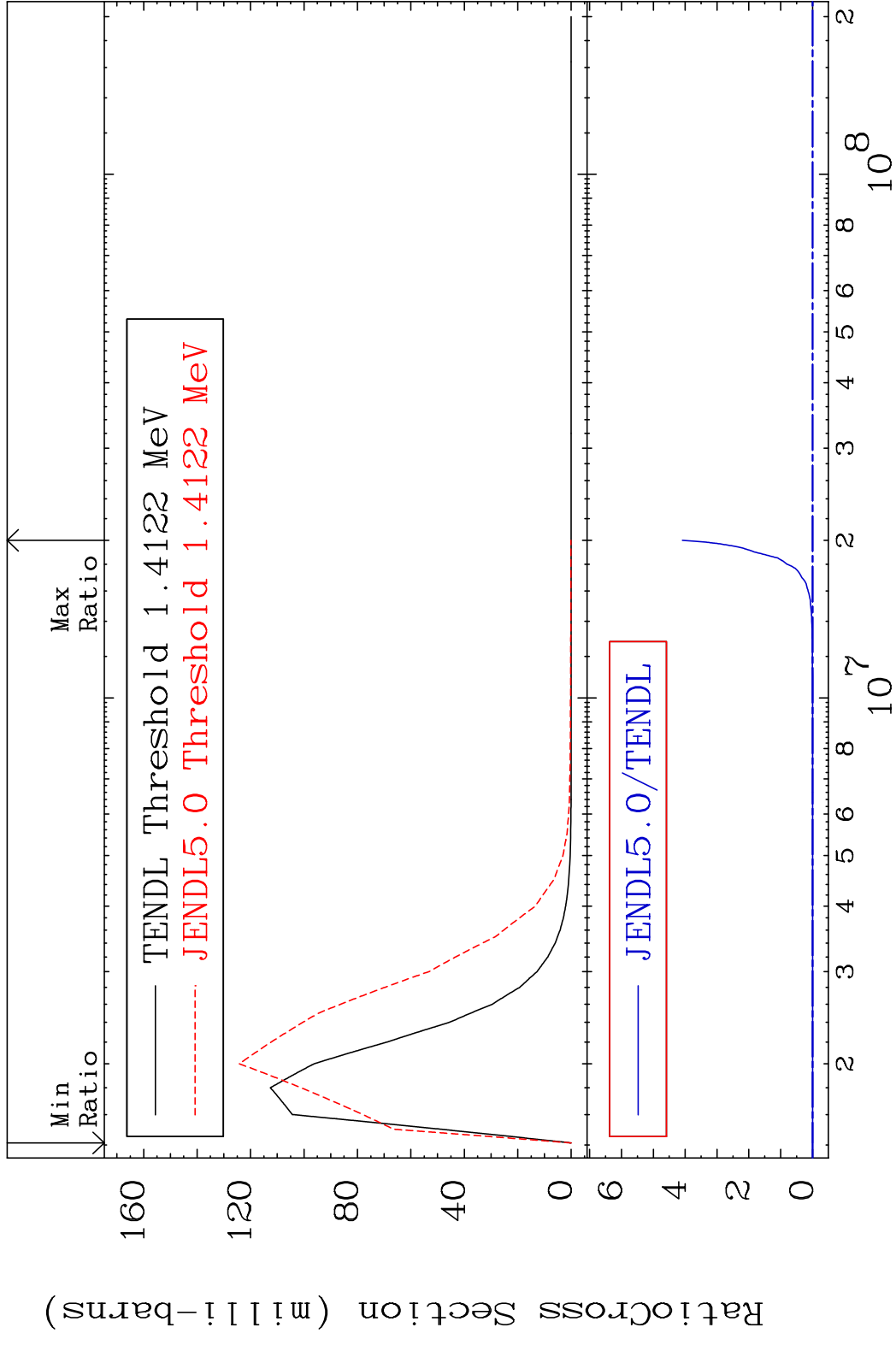
MAT 6843 MT= 66 (n, n') Level 68-Er-168
 Cross Section -100.0 To 413.3 %



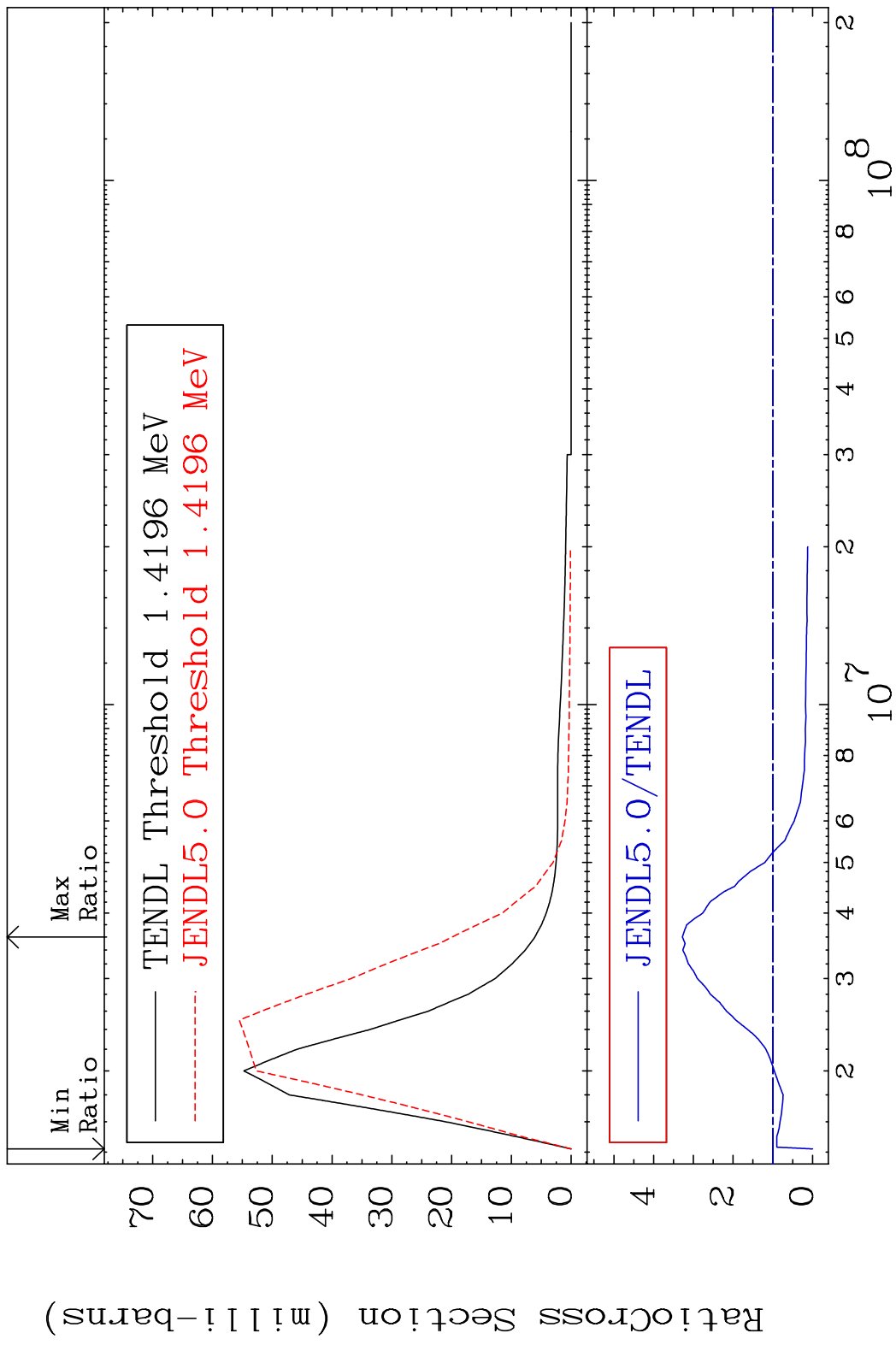
MAT 6843 MT= 67 (n, n') Level 68-Er-168
 Cross Section -100.0 To 184.8 %



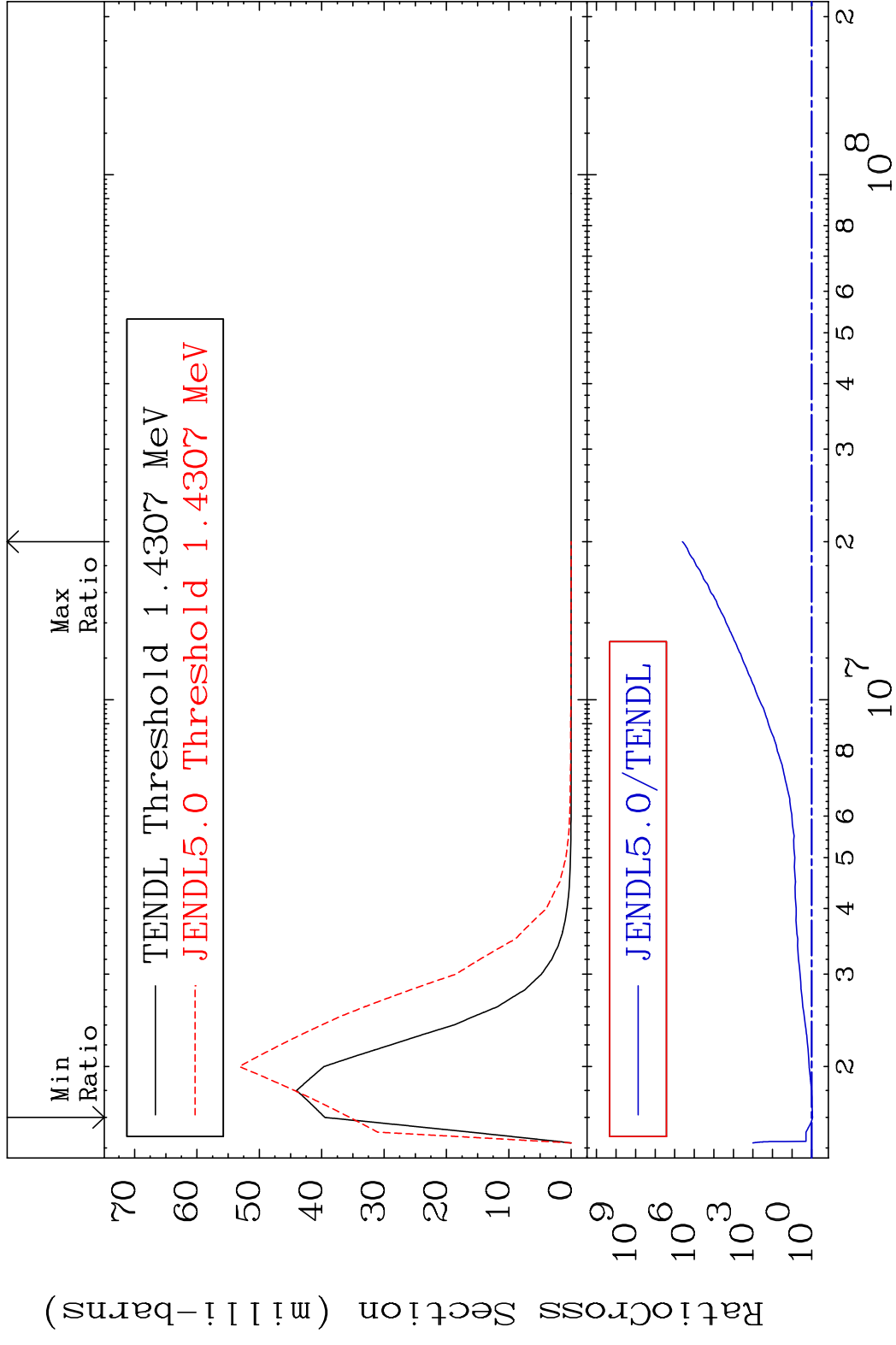
MAT 6843 MT= 68 (n, n') Level 68-Er-168
 Cross Section -100.0 To 9999. %



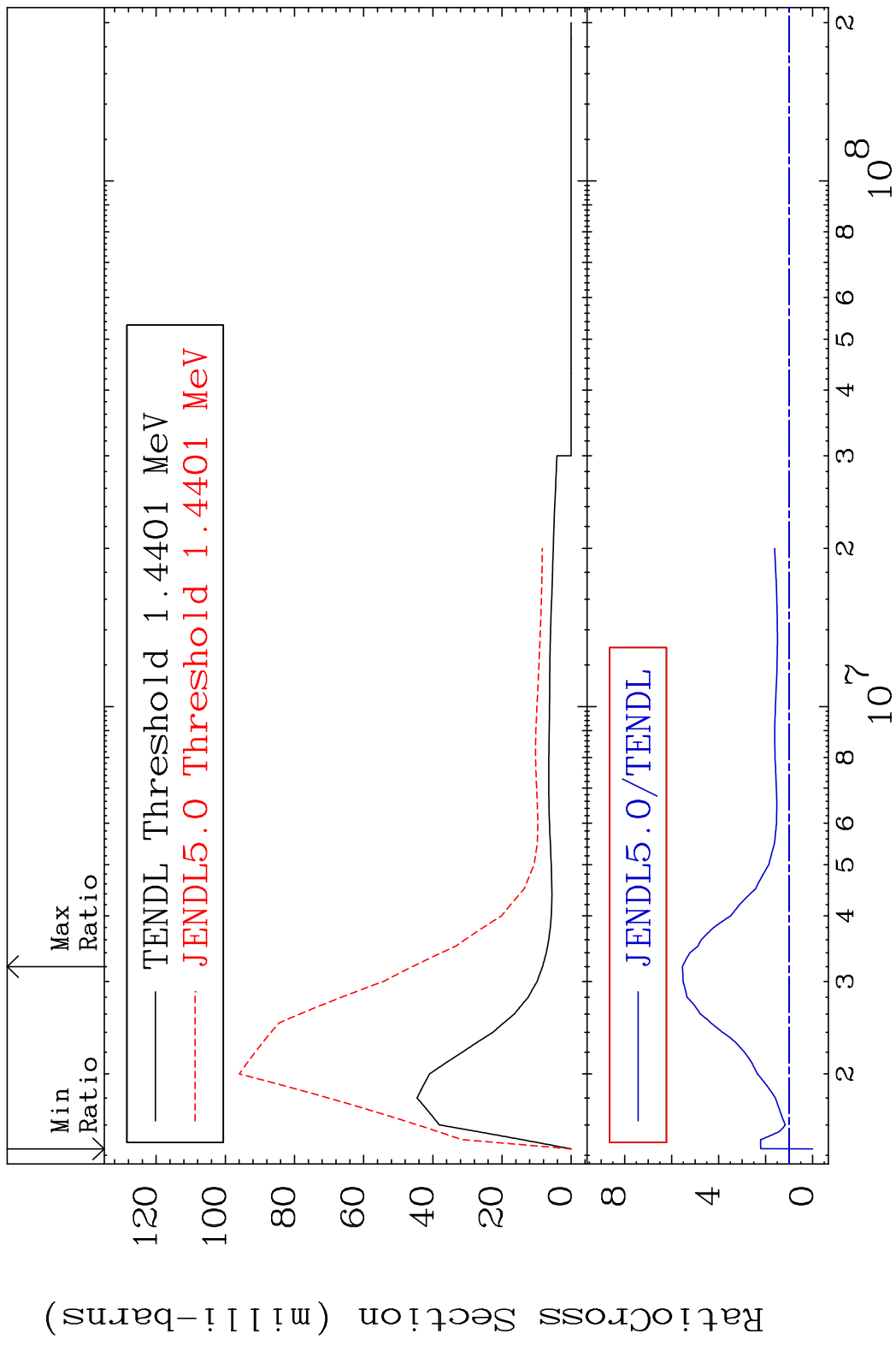
MAT 6843 MT= 69 (n, n') Level 68-Er-168
 Cross Section -100.0 To 227.6 %



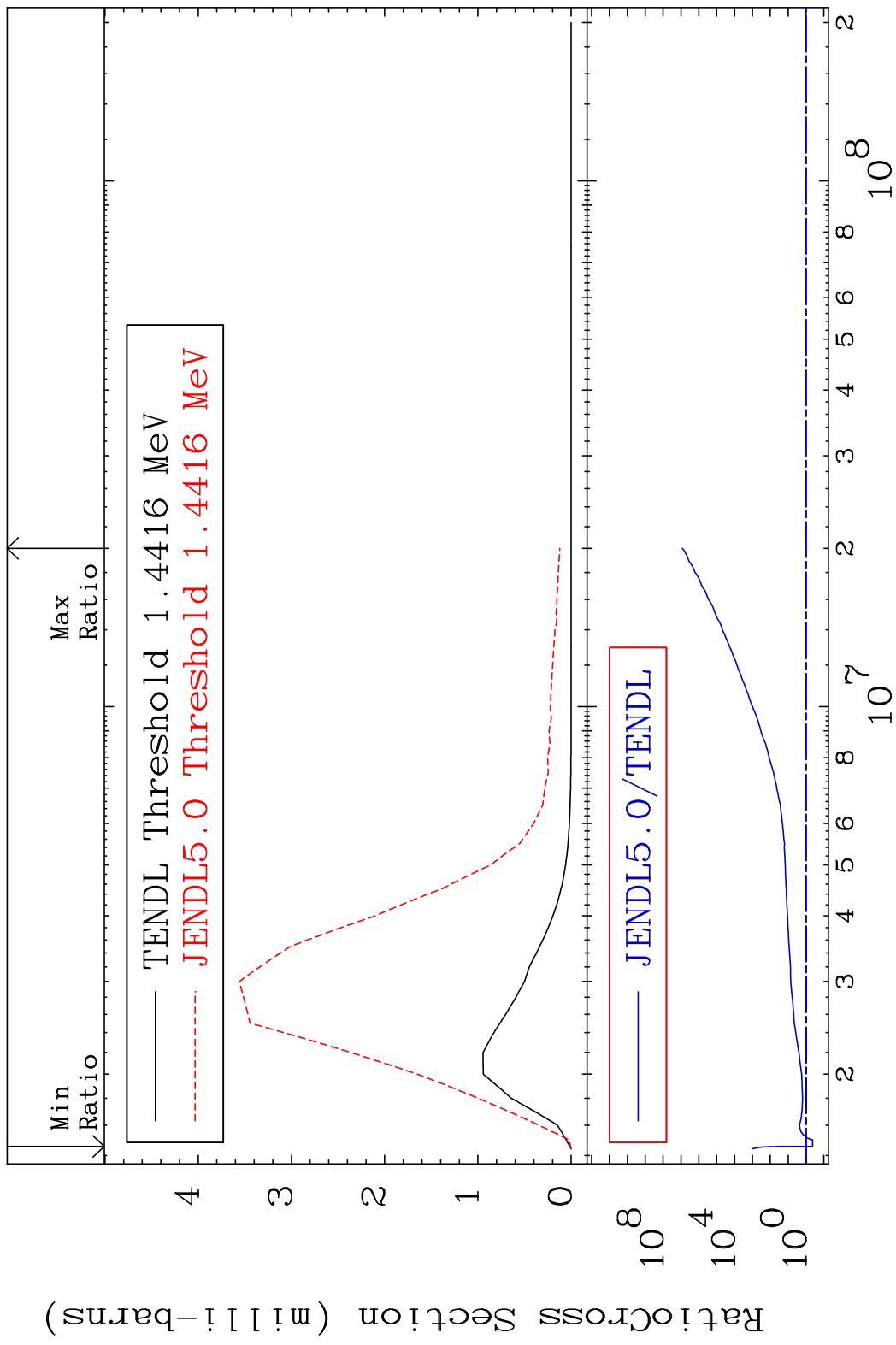
MAT 6843 MT= 70 (n, n') Level 68-Er-168
 Cross Section -10.16 To 9999. %



MAT 6843 MT= 71 (n, n') Level 68-Er-168
 Cross Section -100.0 To 454.2 %

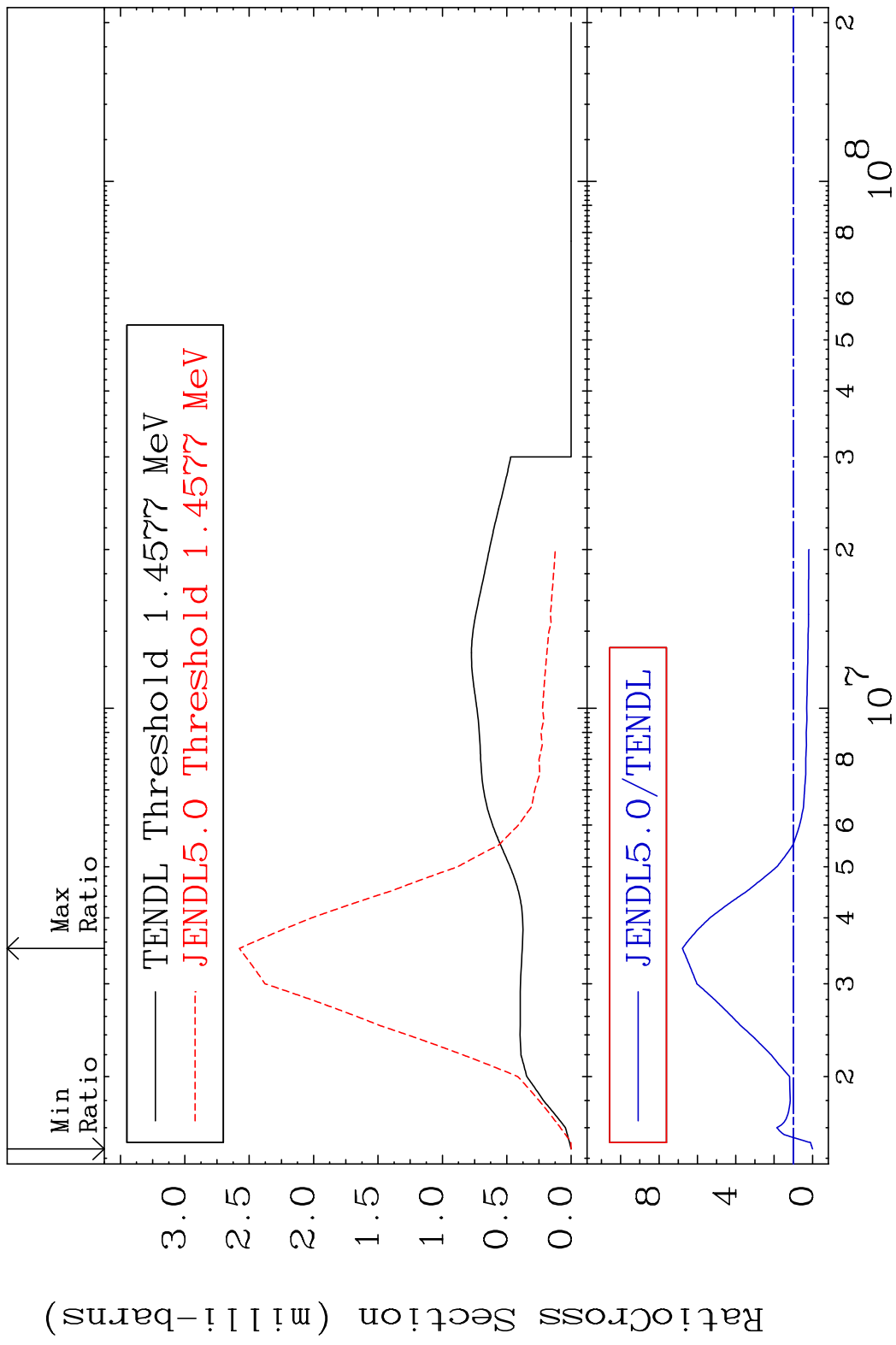


MAT 6843 MT= 72 (n, n') Level 68-Er-168
 Cross Section -57.15 To 9999. %

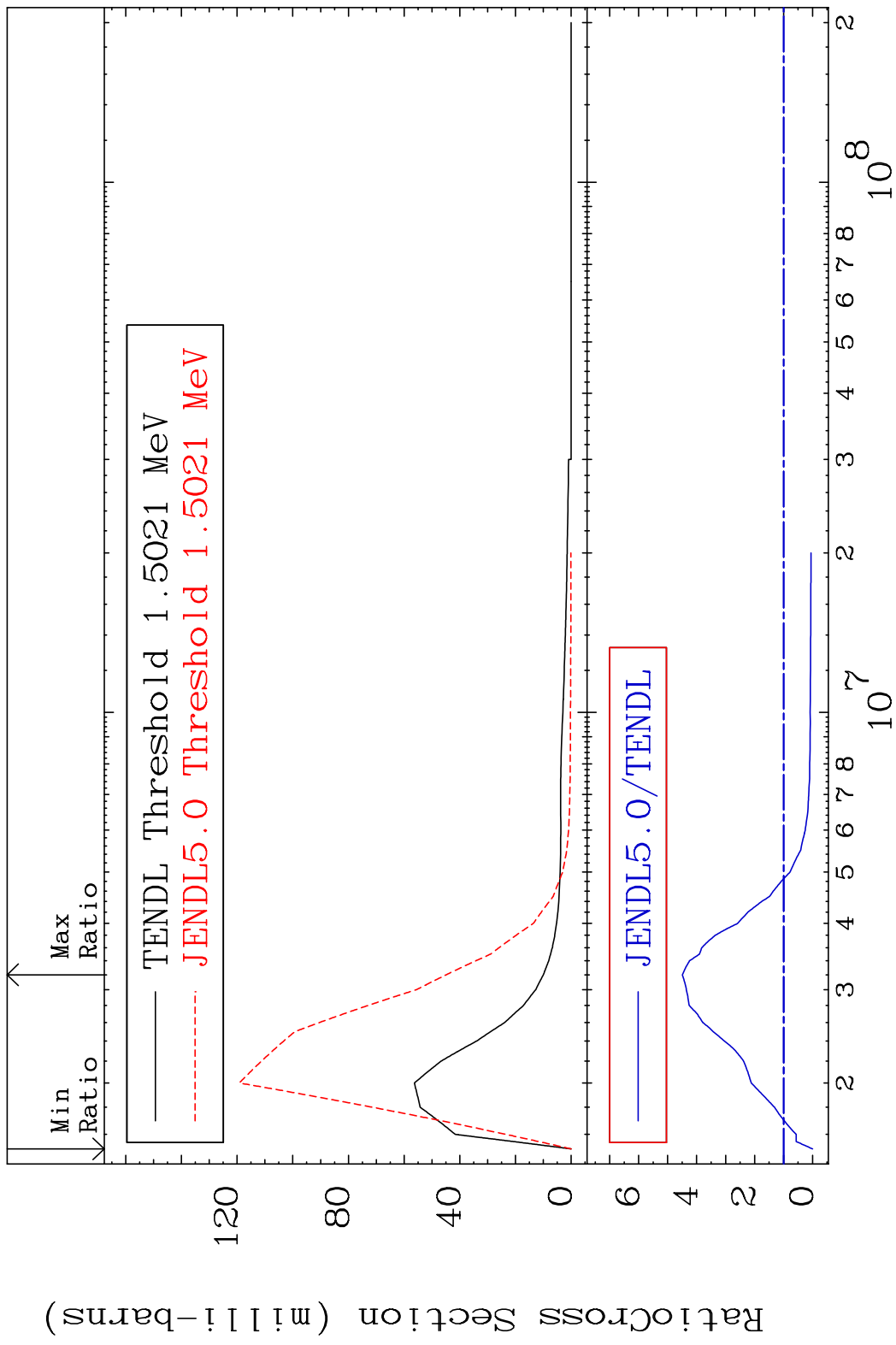


30 Incident Energy (eV) 68-Er-168

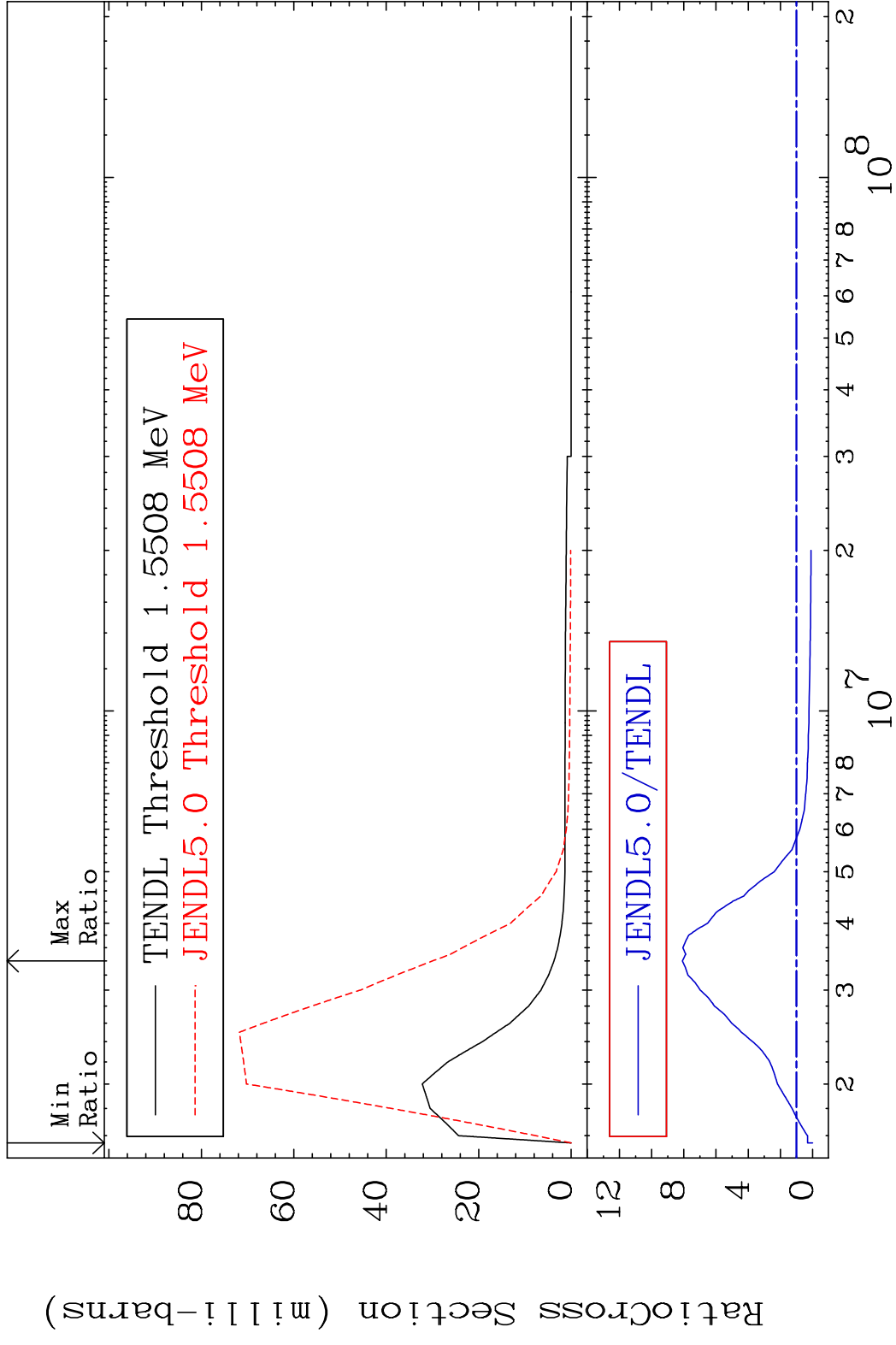
MAT 6843 MT= 73 (n, n') Level 68-Er-168
 Cross Section -100.0 To 578.5 %



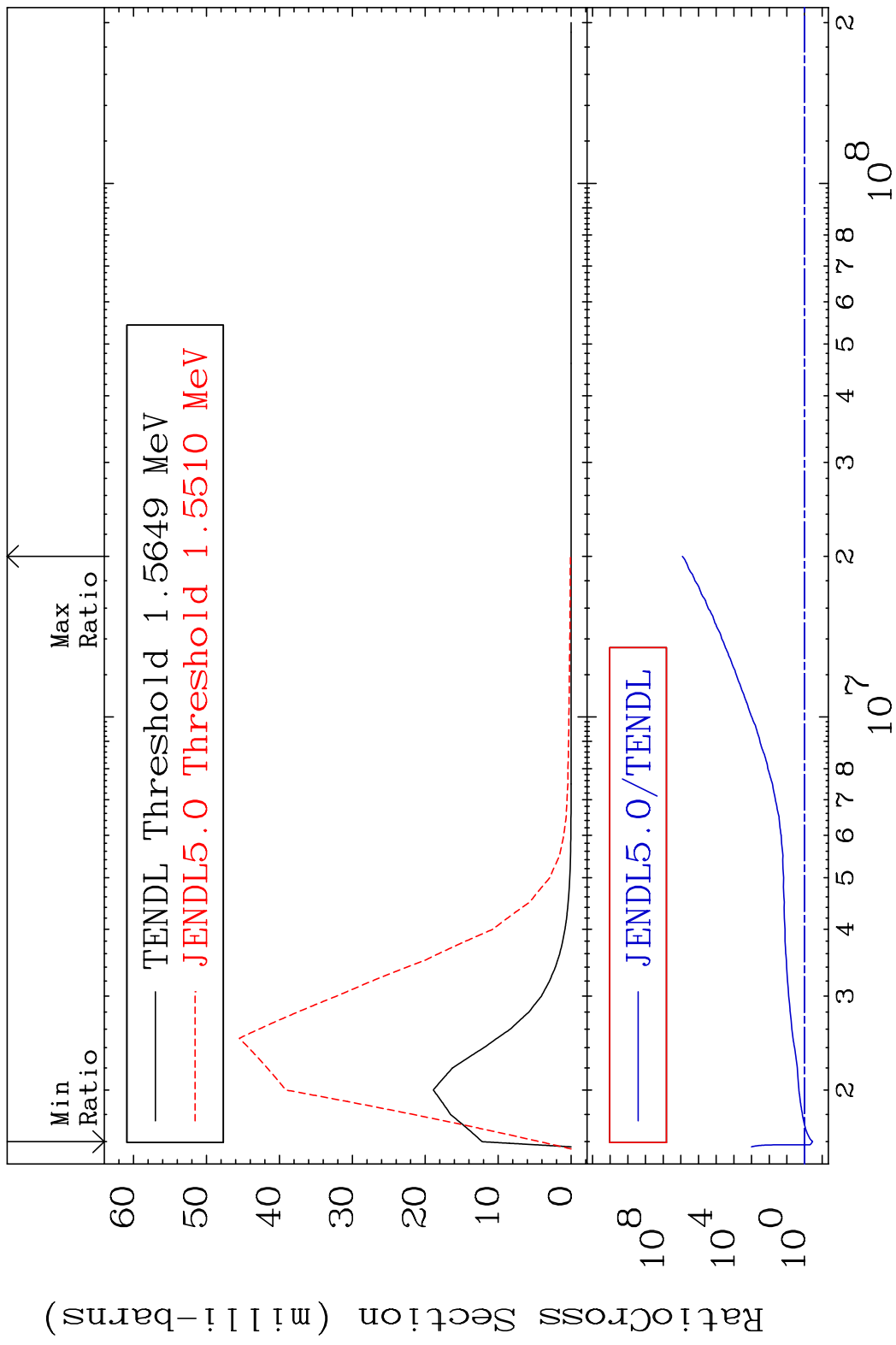
MAT 6843 MT= 74 (n, n') Level 68-Er-168
 Cross Section -100.0 To 349.3 %



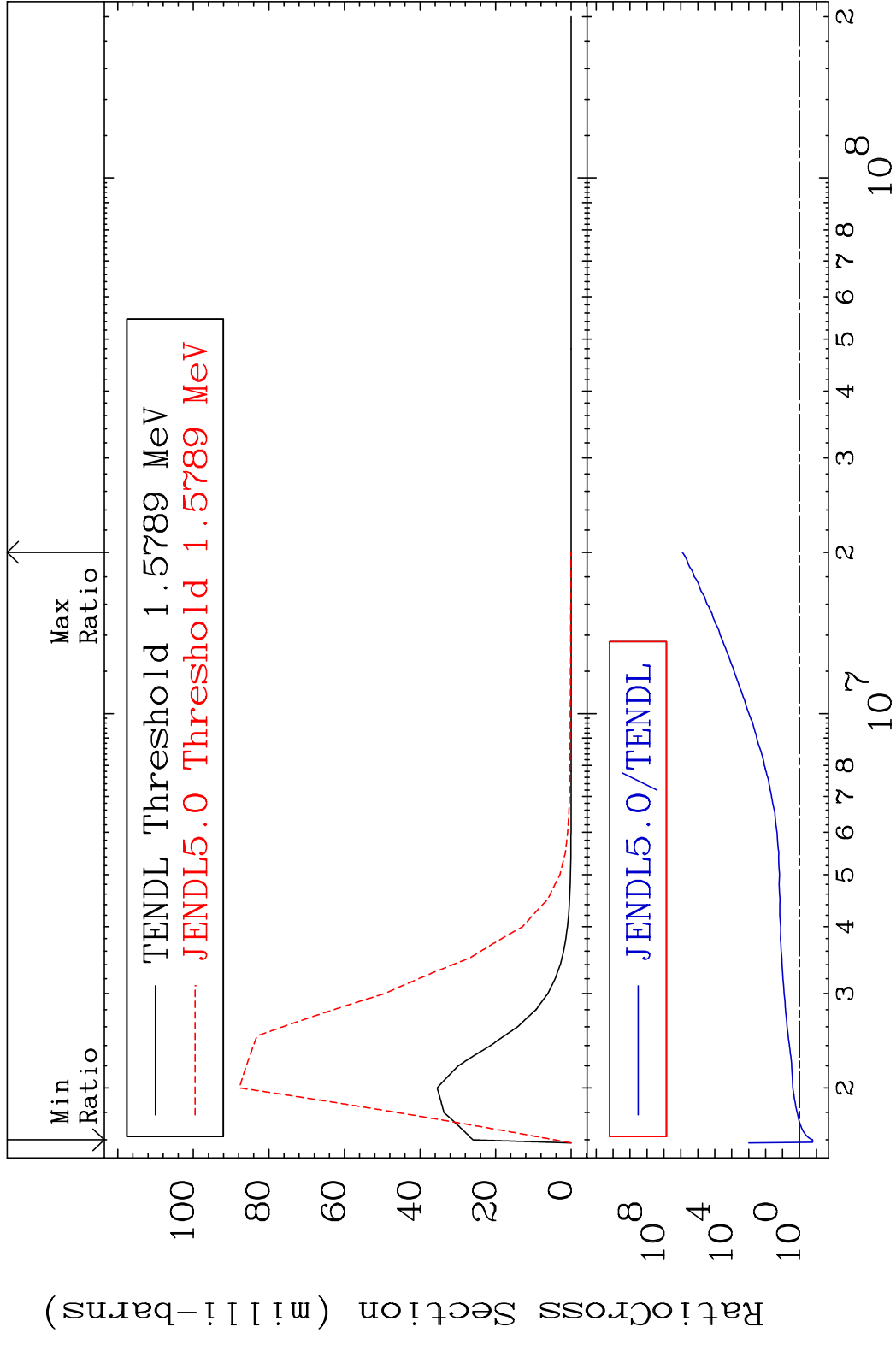
MAT 6843 MT= 75 (n, n') Level 68-Er-168
 Cross Section -100.0 To 709.2 %



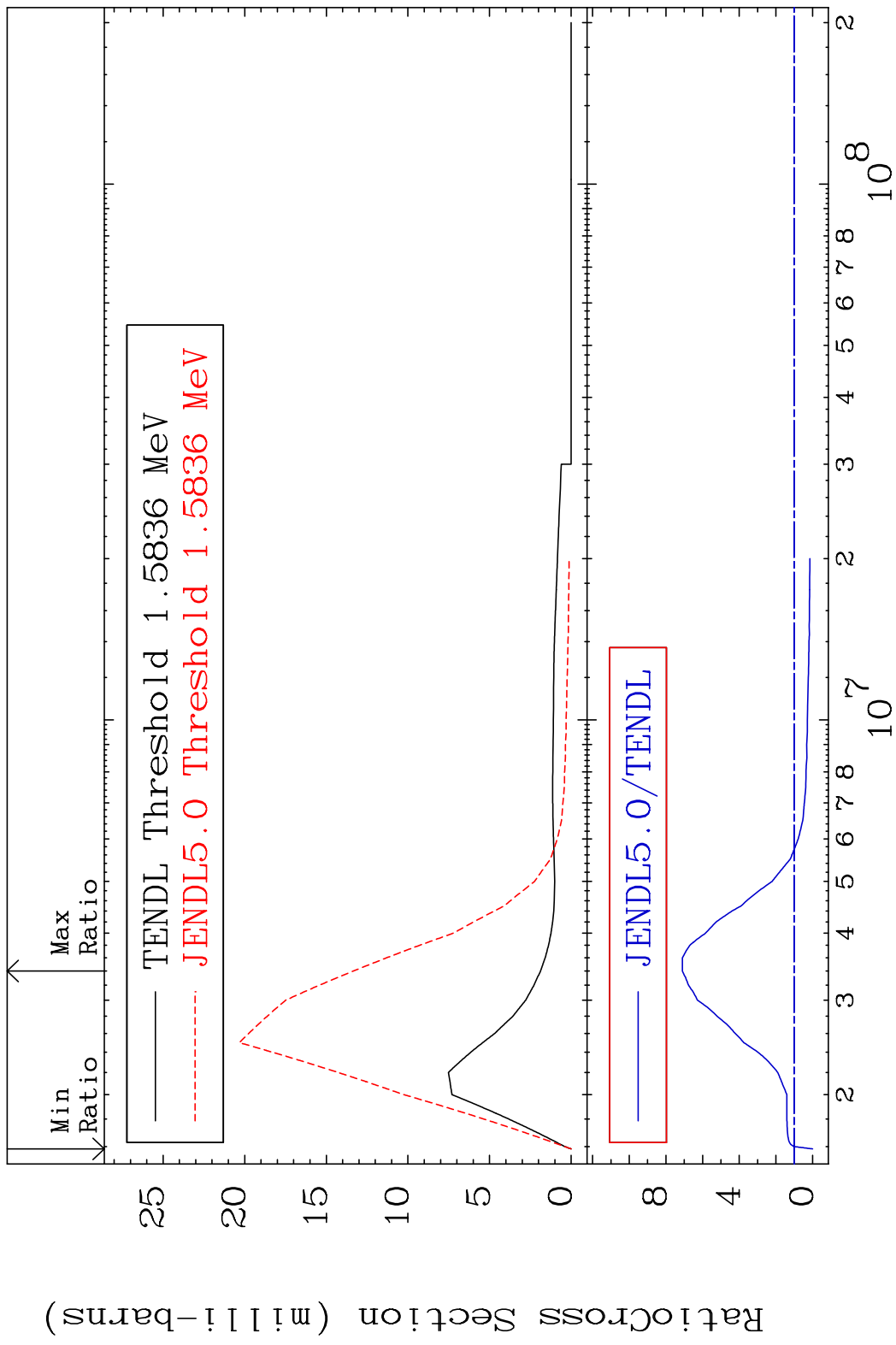
MAT 6843 MT= 76 (n, n') Level 68-Er-168
 Cross Section -64.99 To 9999. %



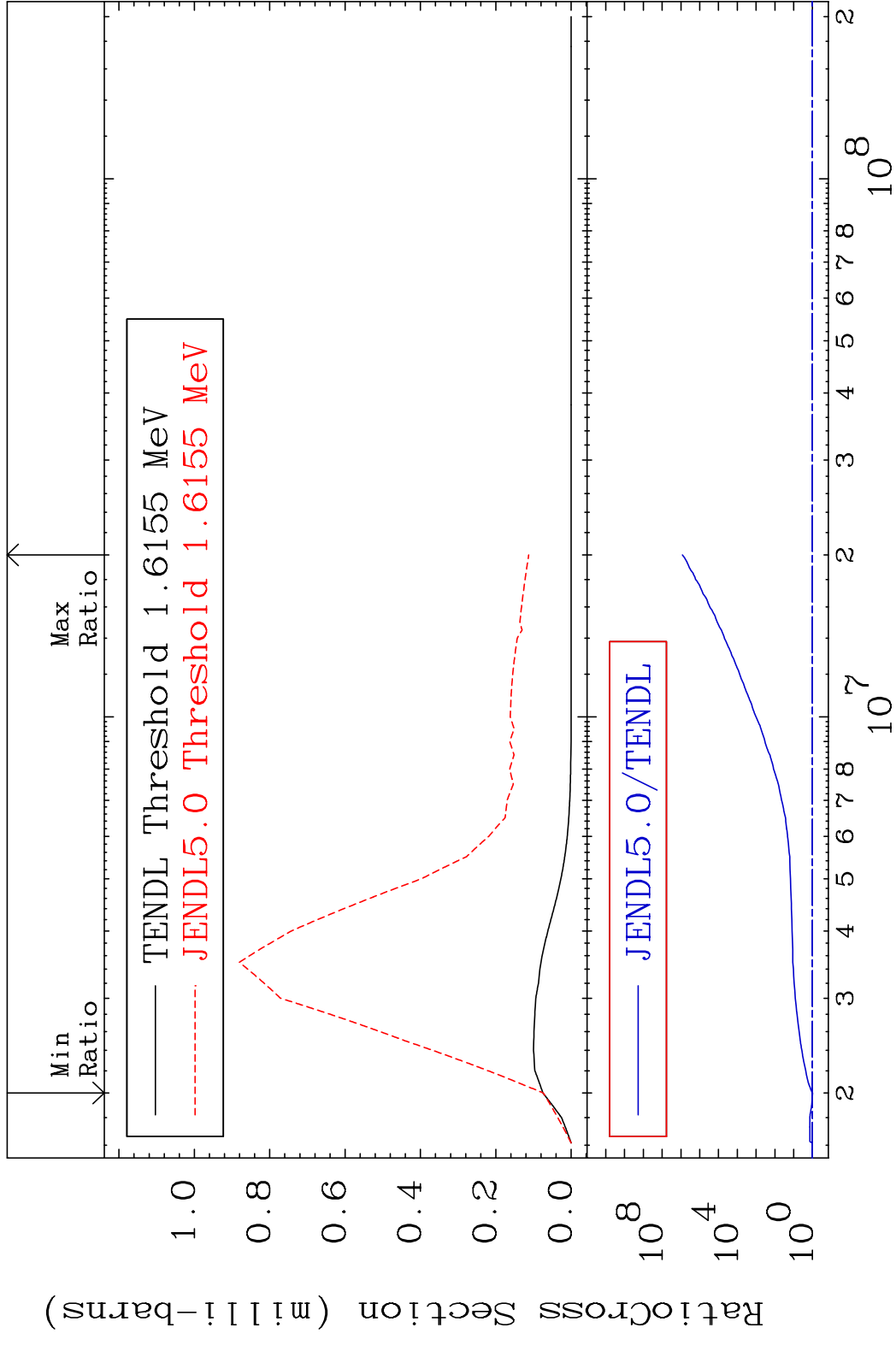
MAT 6843 MT= 77 (n, n') Level 68-Er-168
 Cross Section -83.07 To 9999. %



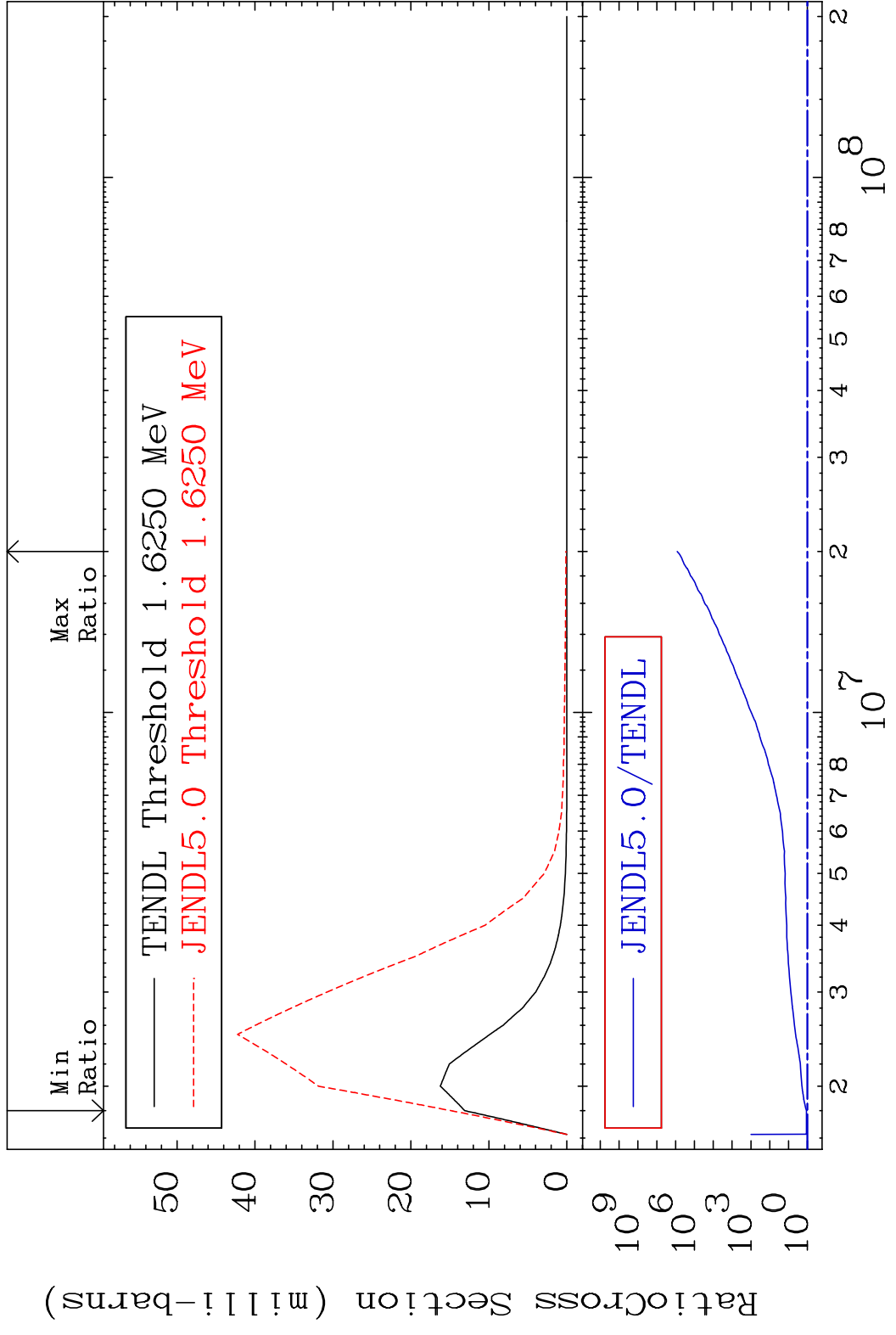
MAT 6843 MT= 78 (n, n') Level 68-Er-168
 Cross Section -100.0 To 610.3 %



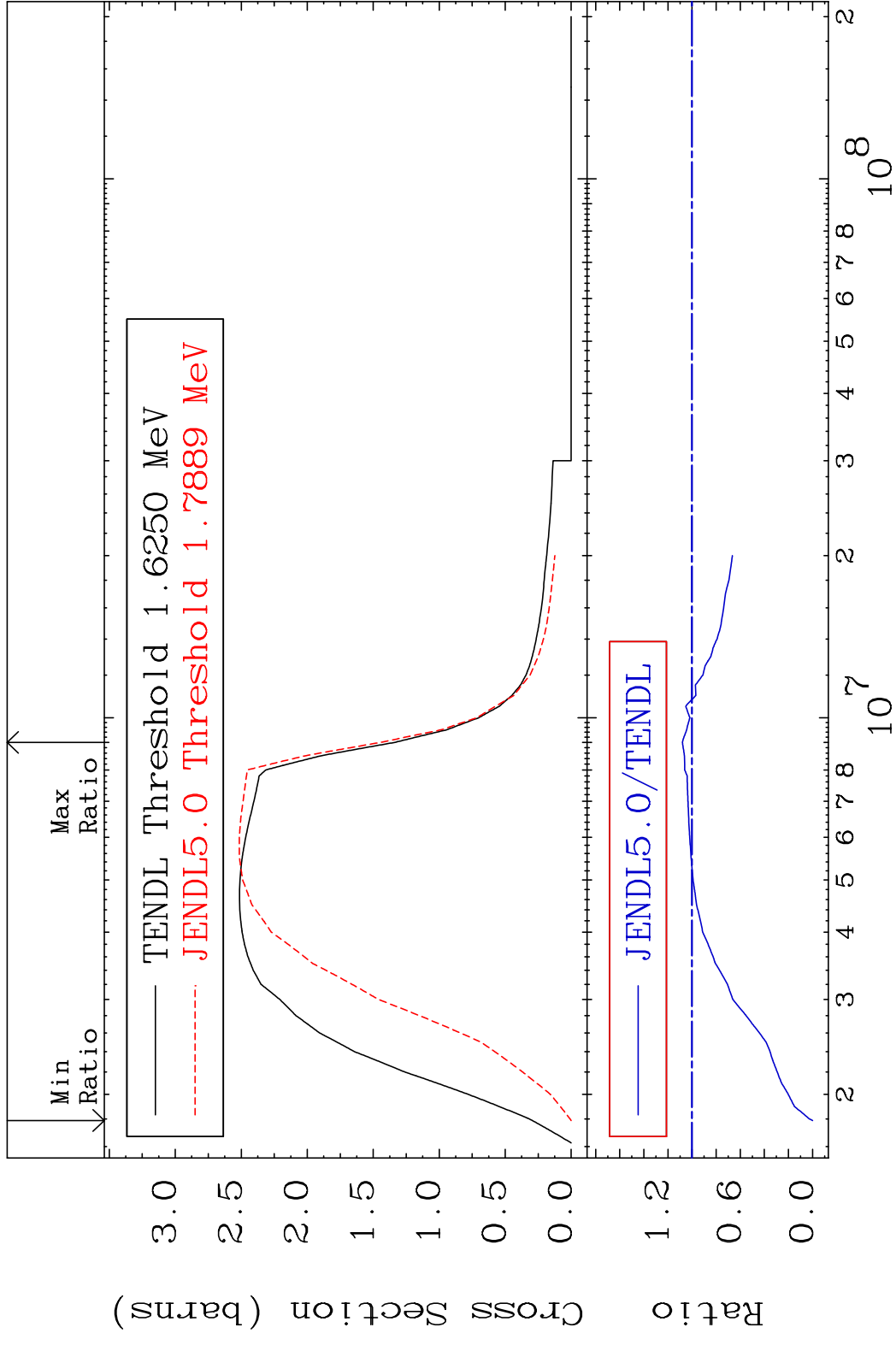
MAT 6843 MT= 79 (n, n') Level 68-Er-168
 Cross Section -1.368 To 9999. %



MAT 6843 MT= 80 (n, n') Level 68-Er-168
 Cross Section 13.49 To 9999. %



MAT 6843 (n,n') Continuum 68-Er-168
 Cross Section -100.0 To 8.053 %

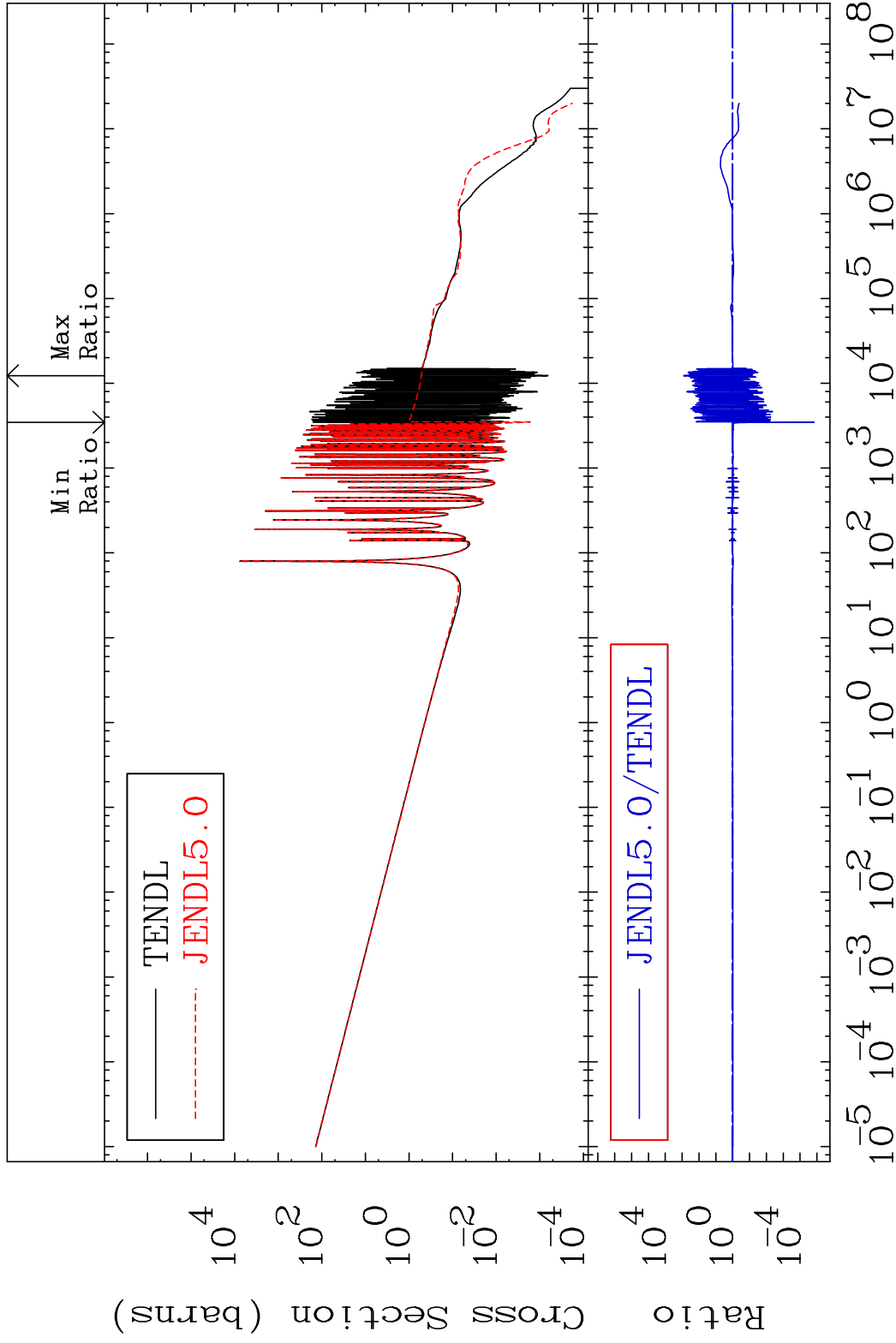


MAT 6843

(n, γ)

68-Er-168

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

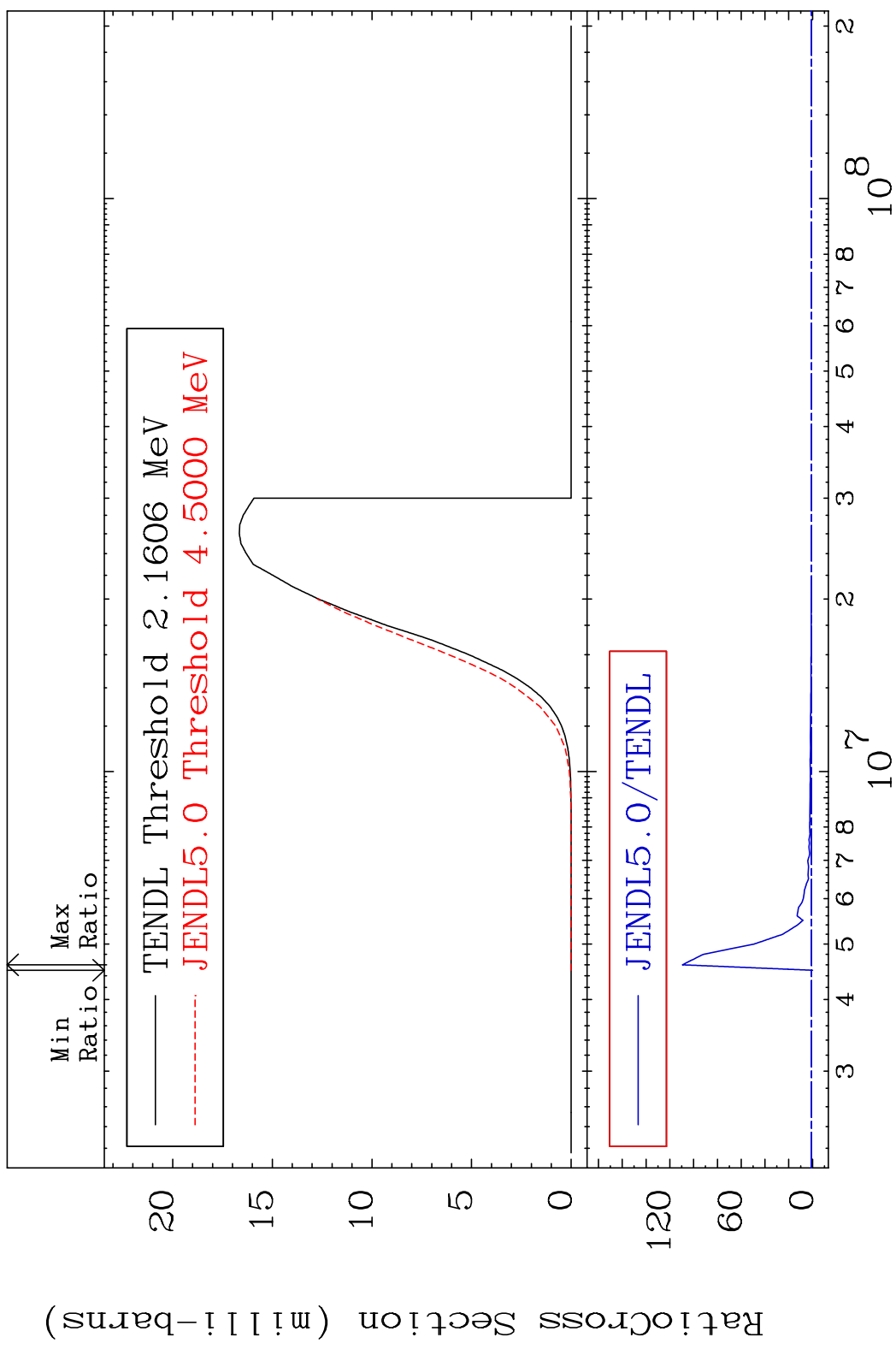
68-Er-168

MAT 6843

(n,p)

68-Er-168

Cross Section -100.0 To 9999. %

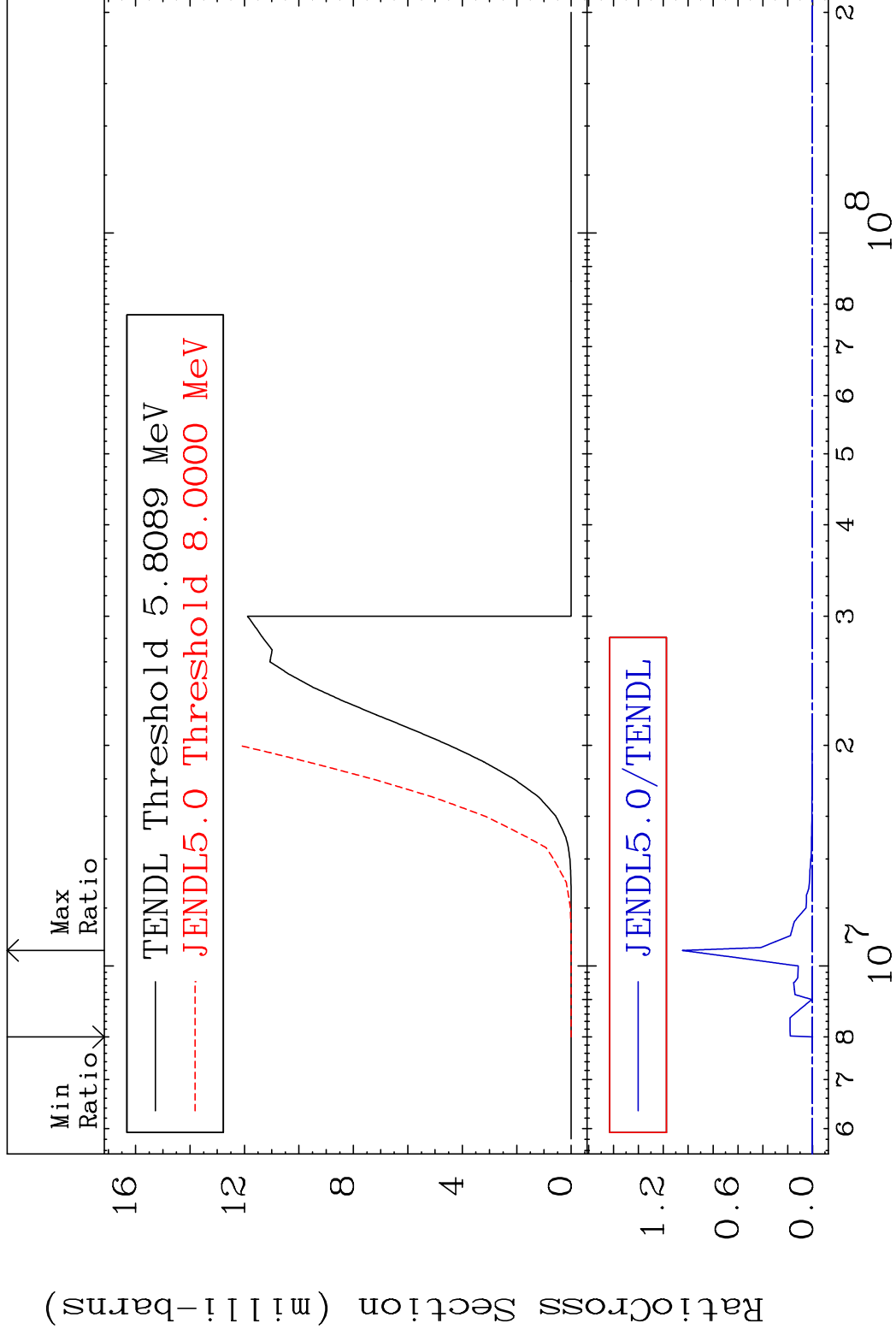


MAT 6843

(n,d)

68-Er-168

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

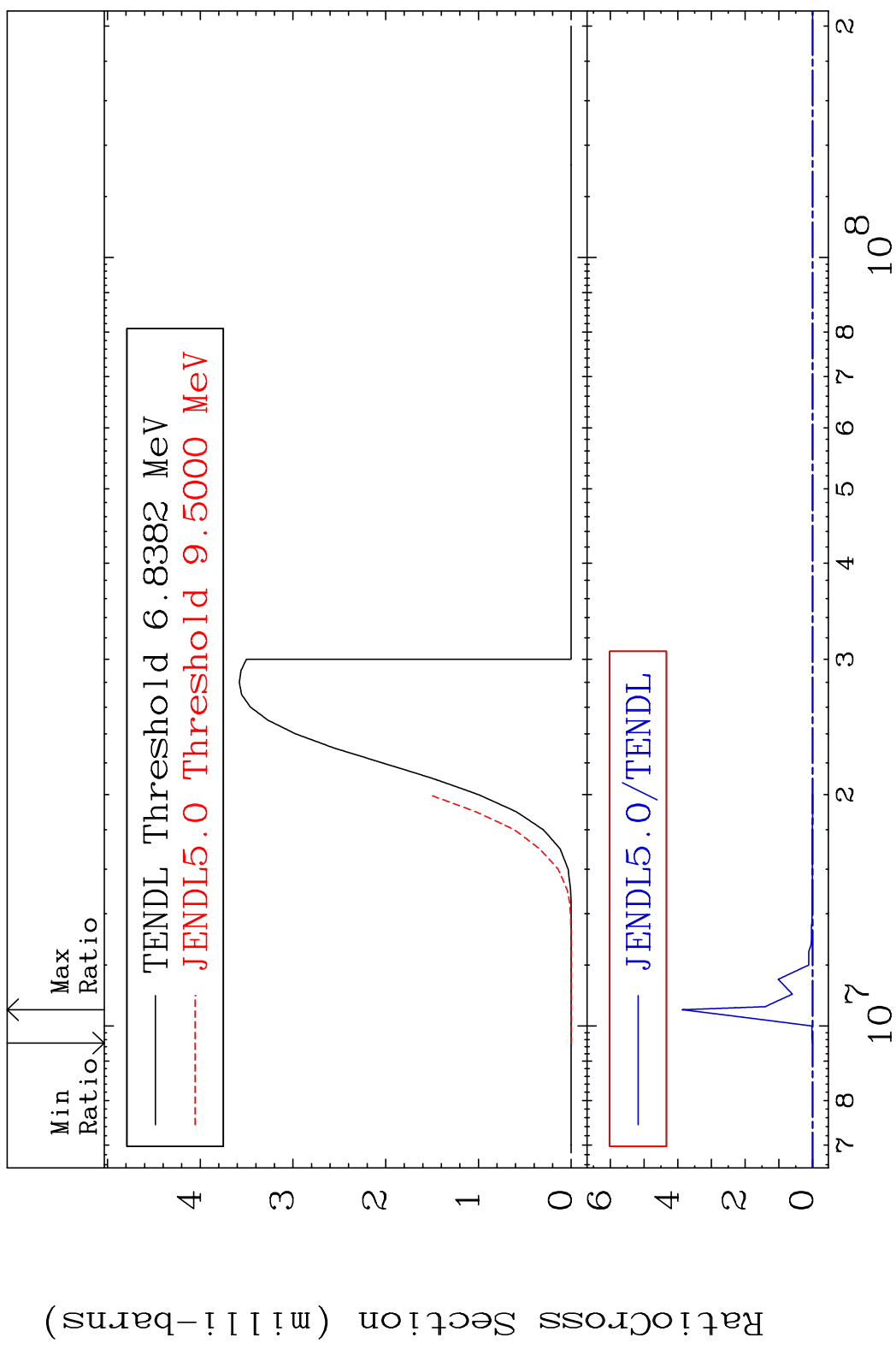
68-Er-168

MAT 6843

(n, t)

68-Er-168

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

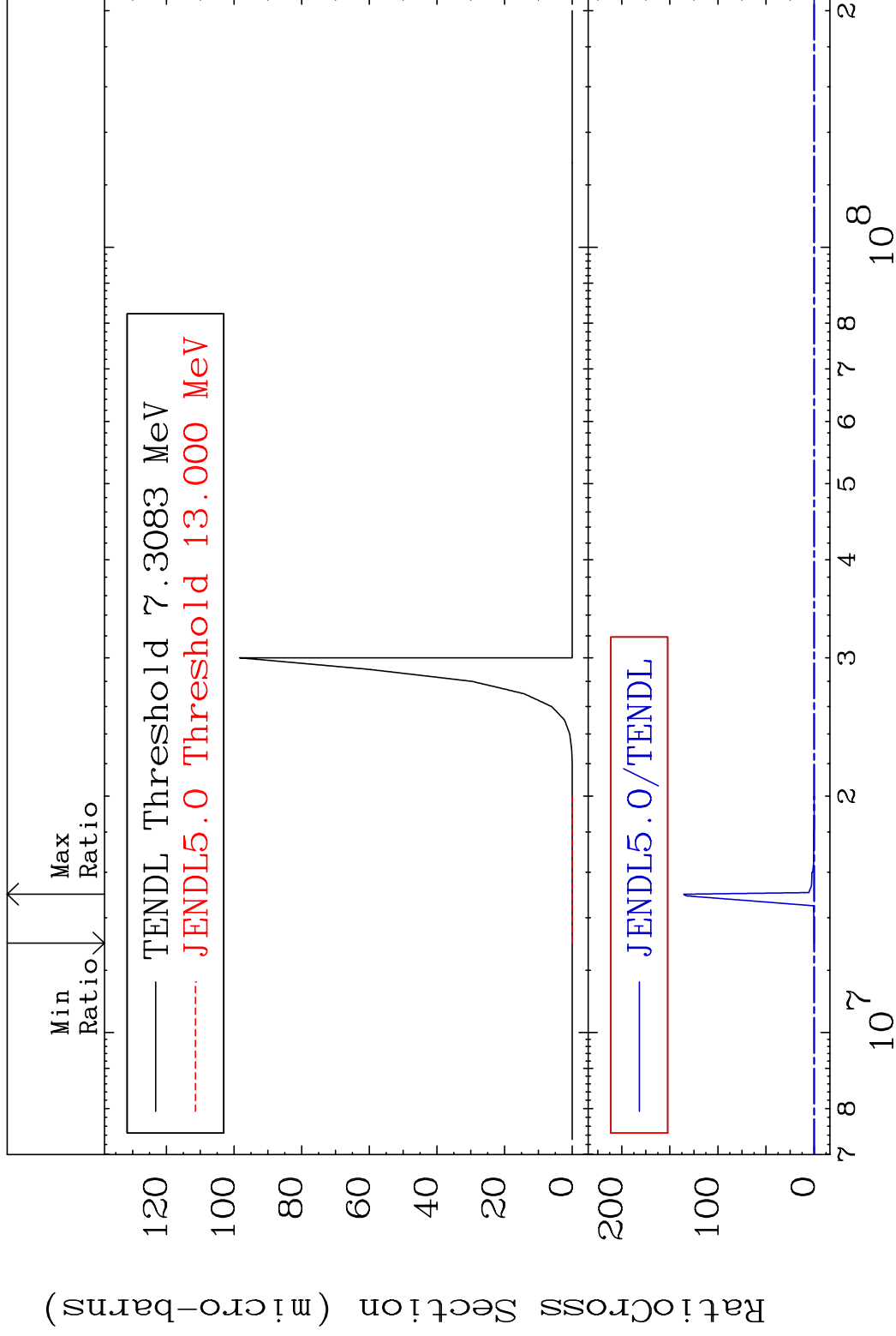
68-Er-168

MAT 6843

(n, He-3)

68-Er-168

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

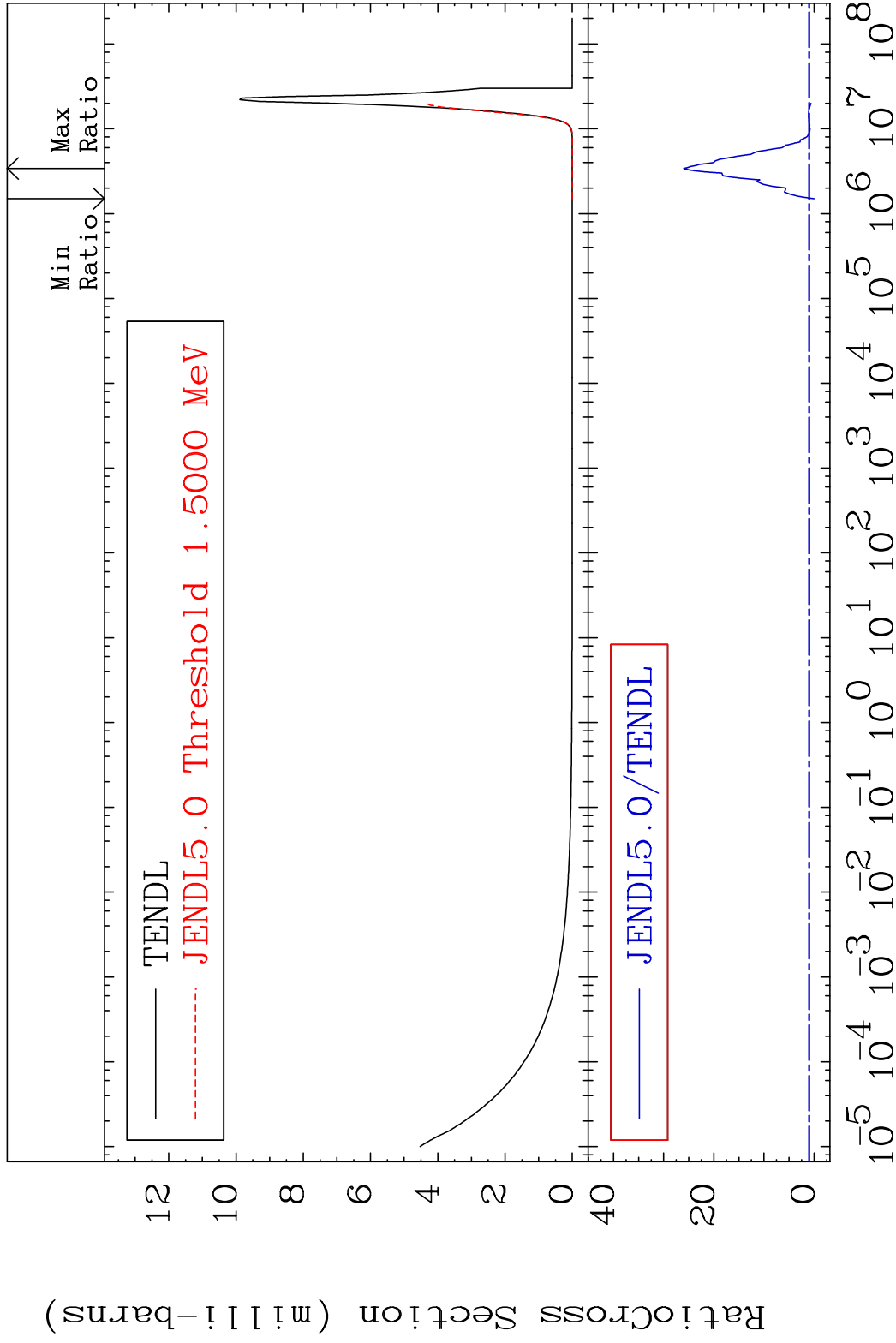
68-Er-168

MAT 6843

(n, α)

68-Er-168

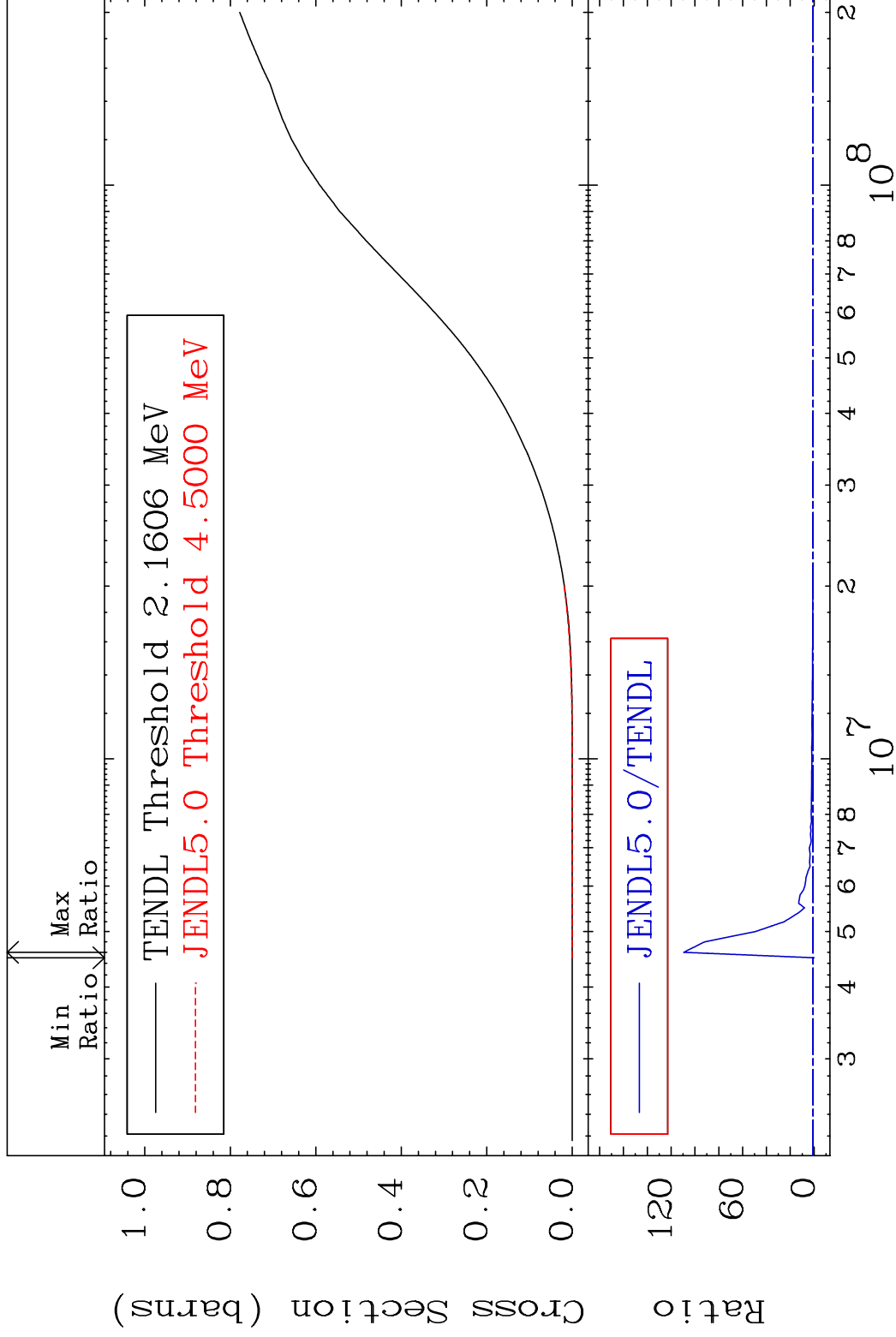
Cross Section -100.0 To 2502. %

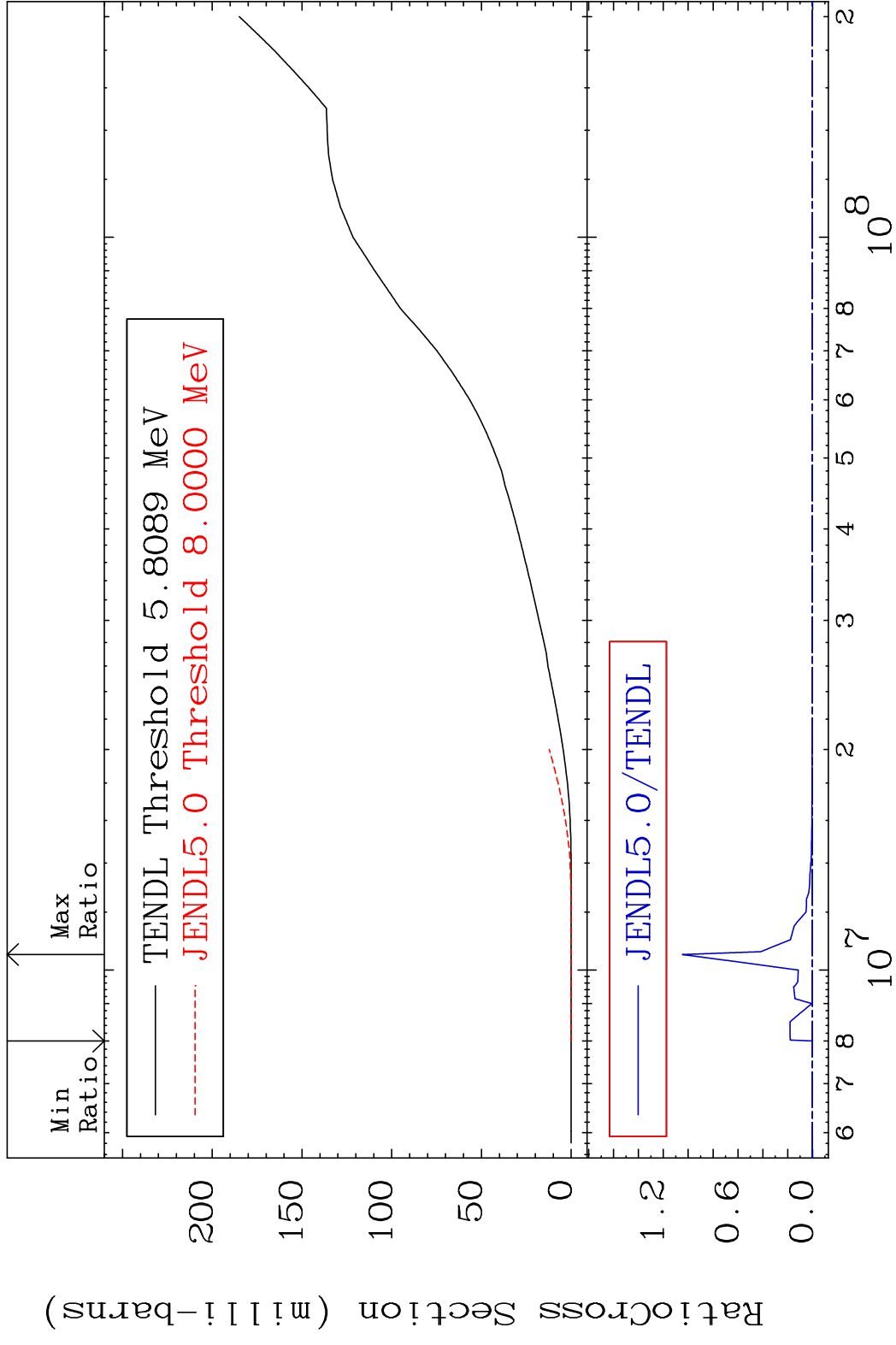


45

Incident Energy (eV)

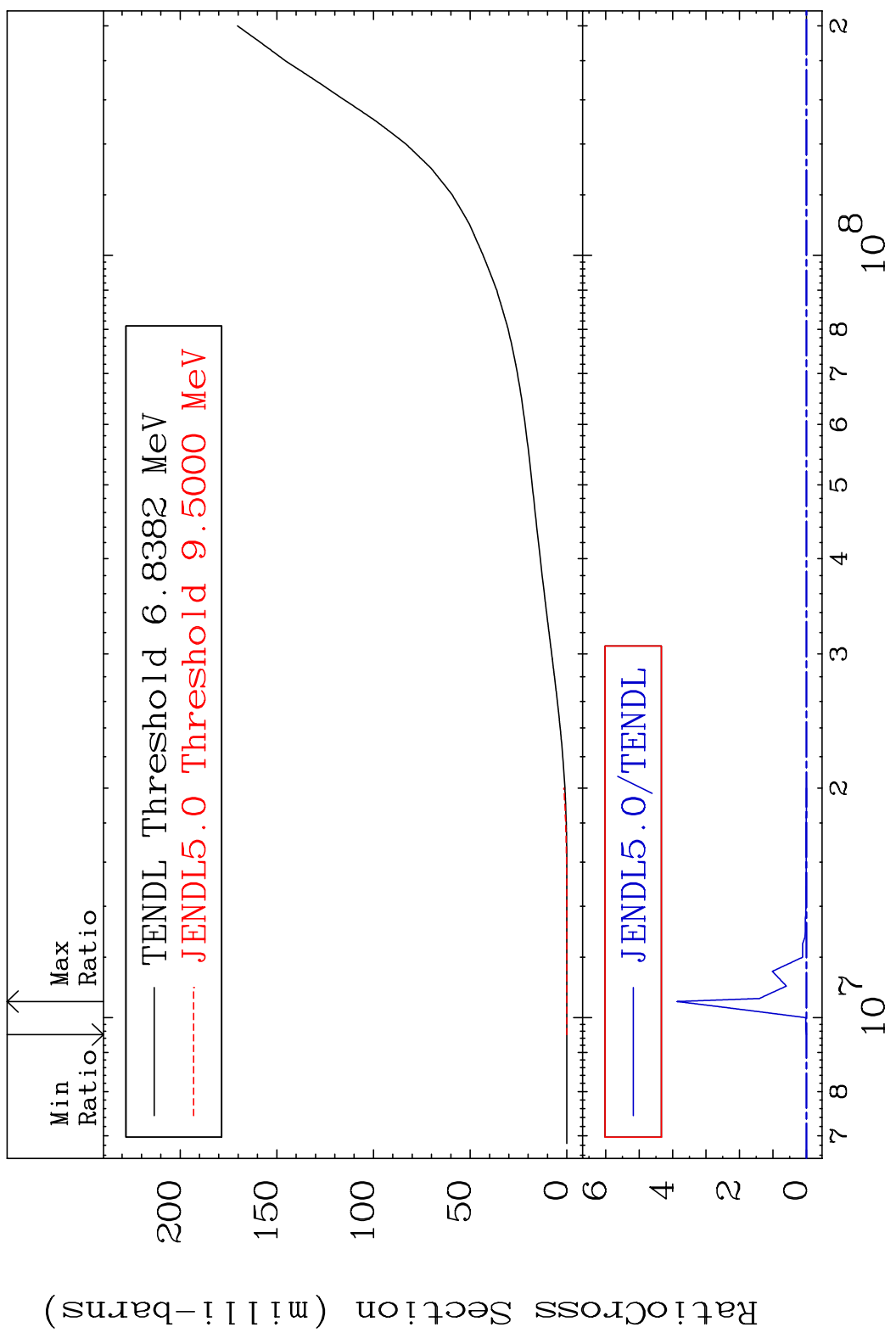
68-Er-168





MAT 6843

Tritium Production 68-Er-168
Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

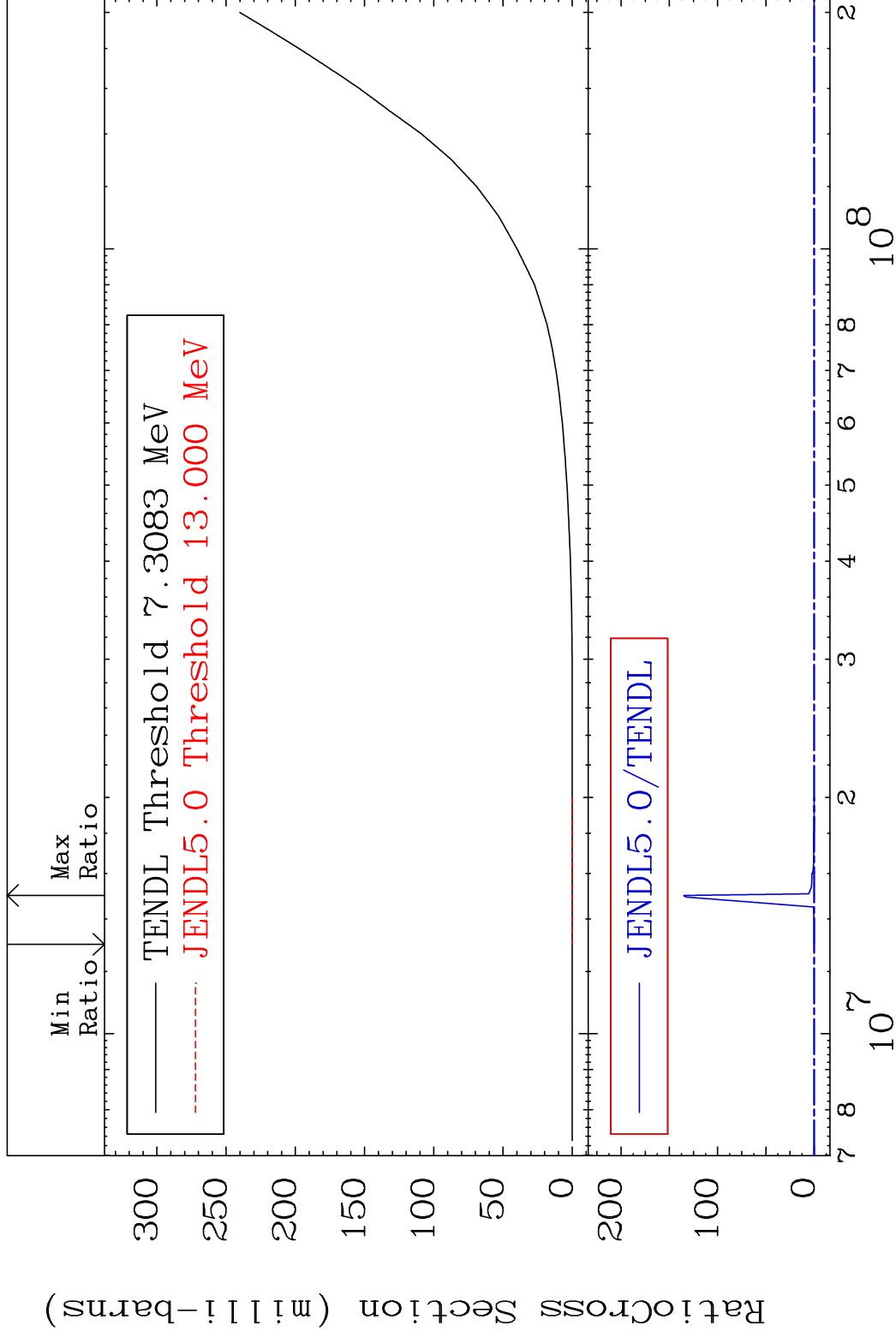
68-Er-168

MAT 6843

He-3 Production

68-Er-168

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

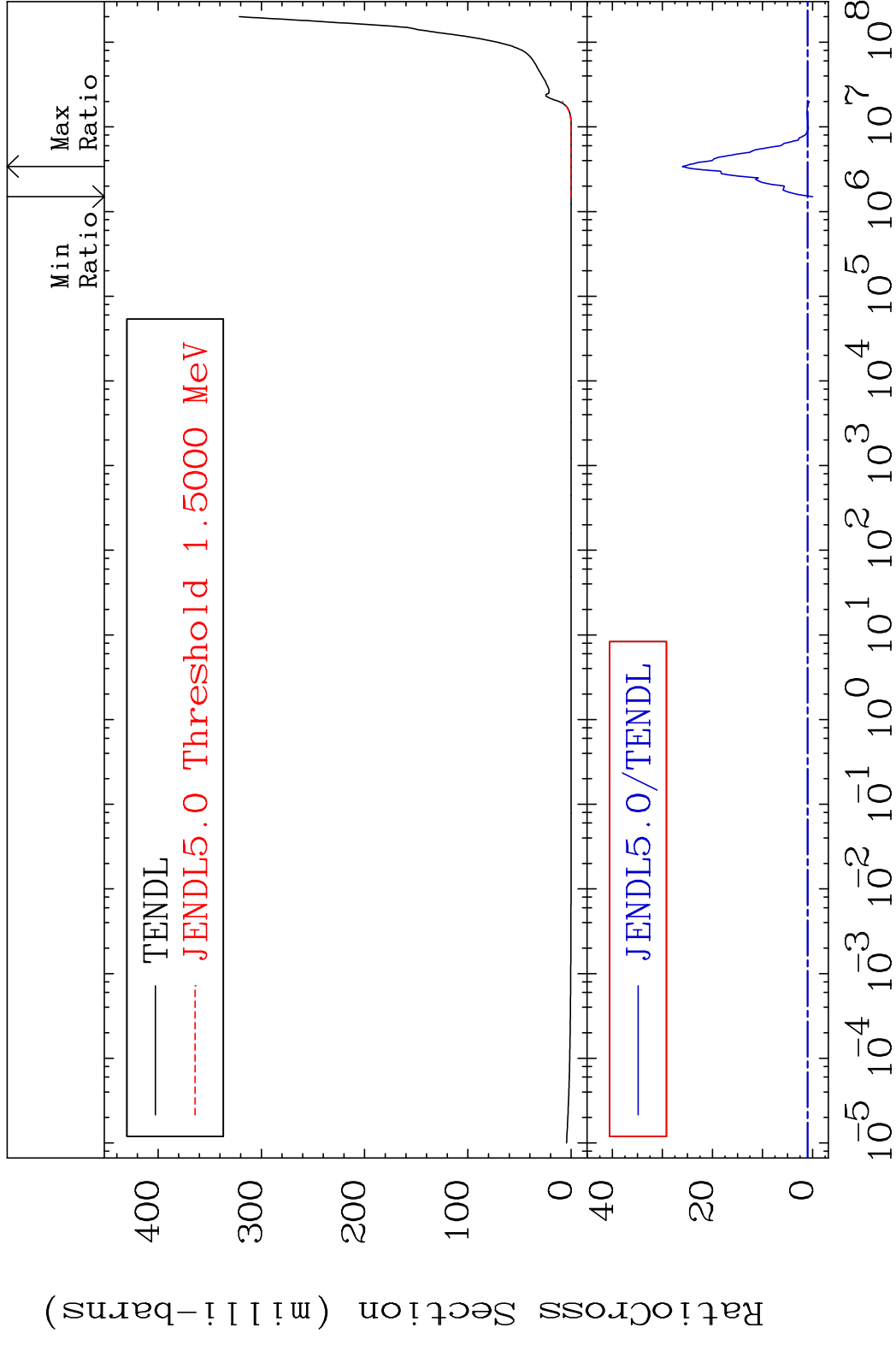
68-Er-168

MAT 6843

He-4 Production

68-Er-168

Cross Section -100.0 To 2502. %

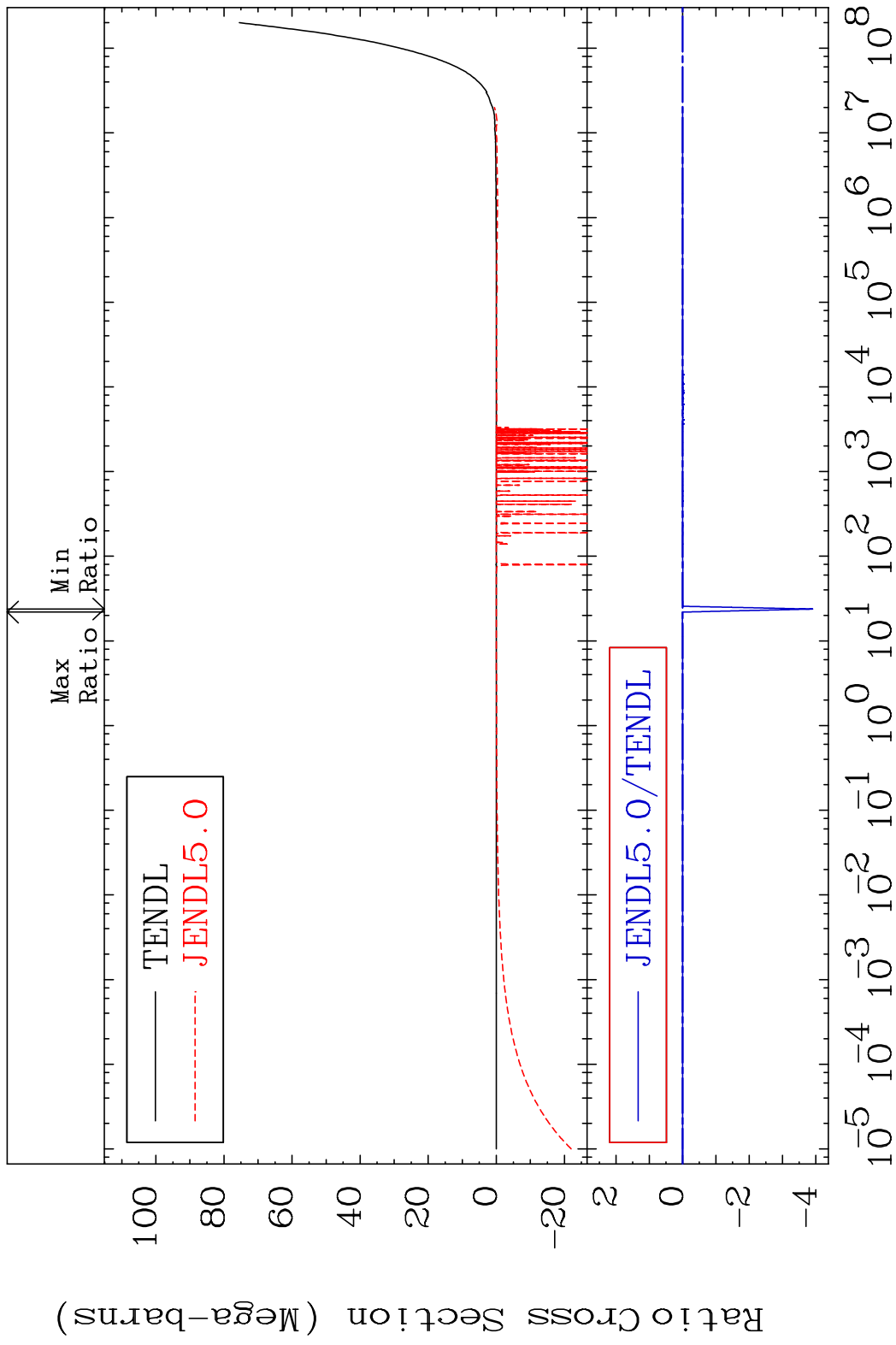


50

Incident Energy (eV)

68-Er-168

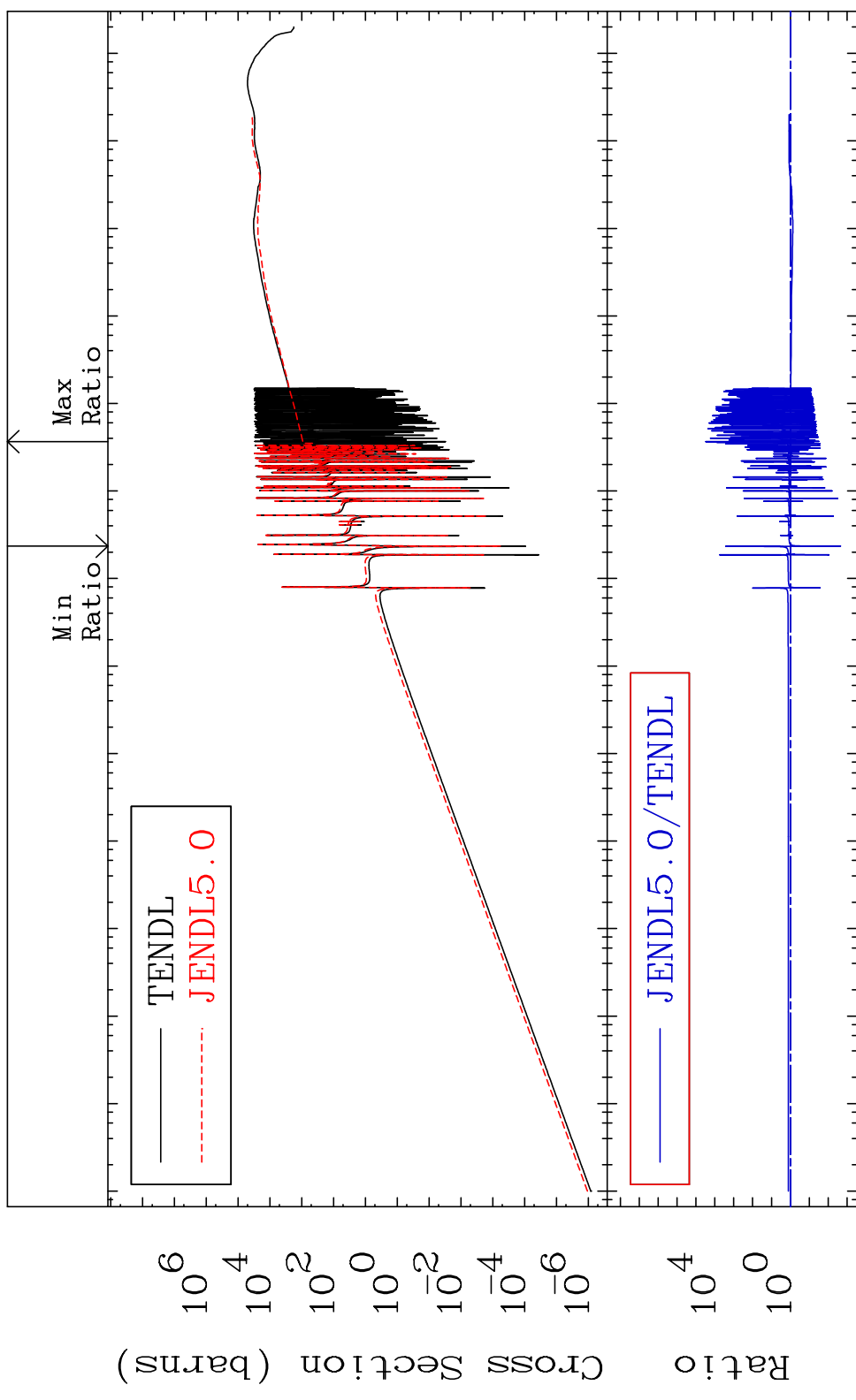
MAT 6843 Kerma total (eV-barns) 68-Er-168
 Cross Section -9999. To 9999. %



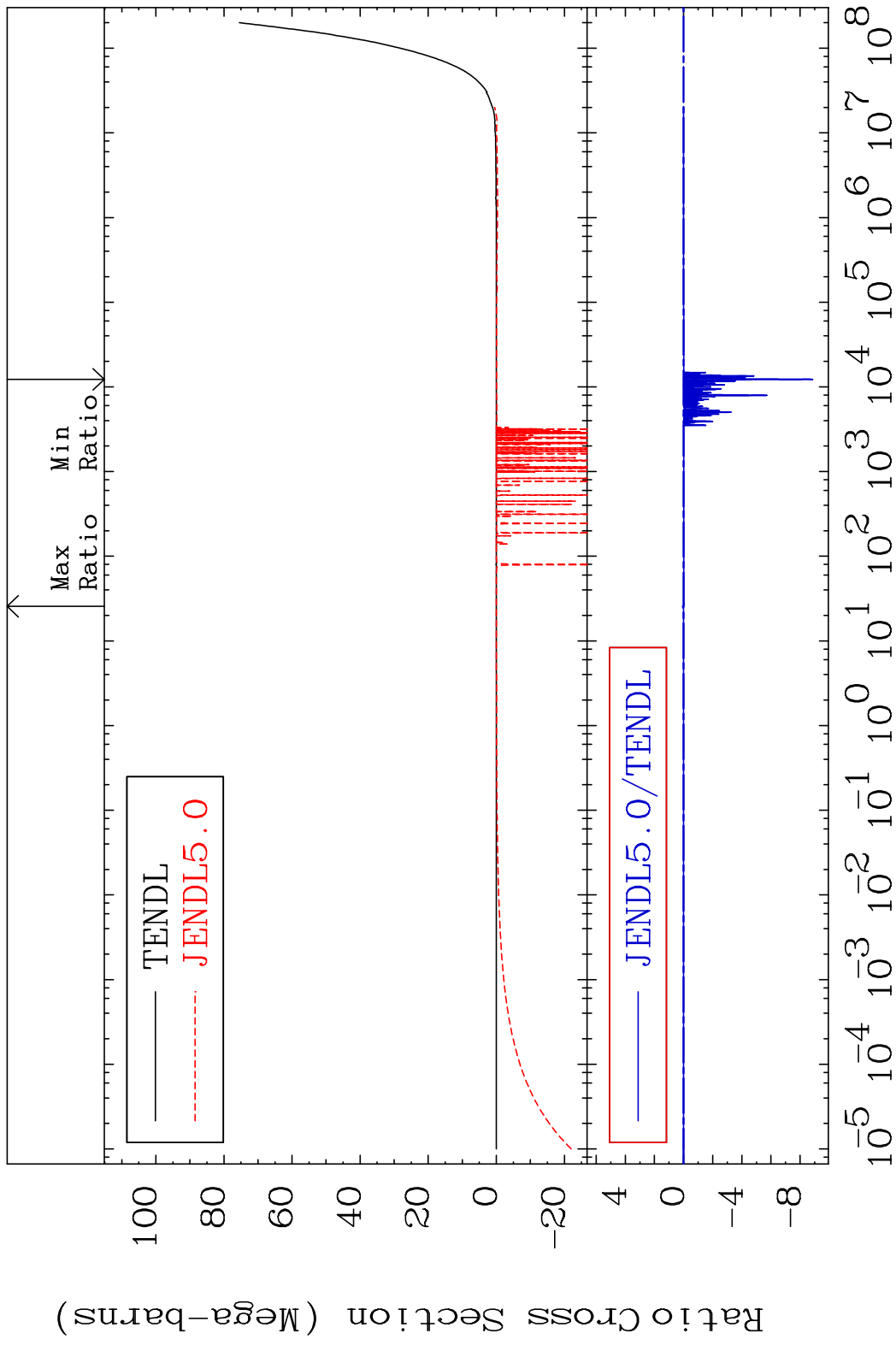
MAT 6843

Kerma elastic Cross Section -99.777 To 9999. %

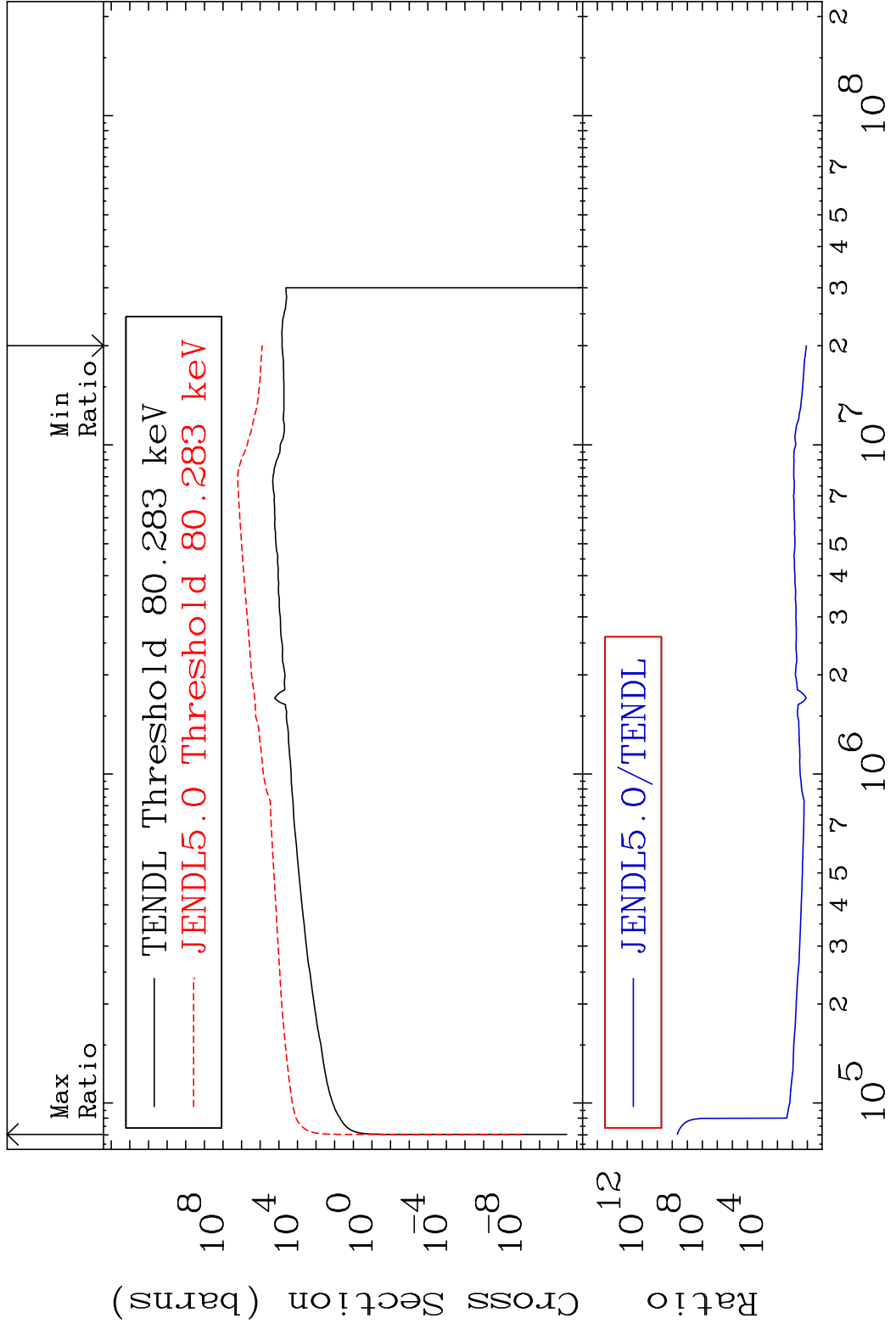
68-Er-168



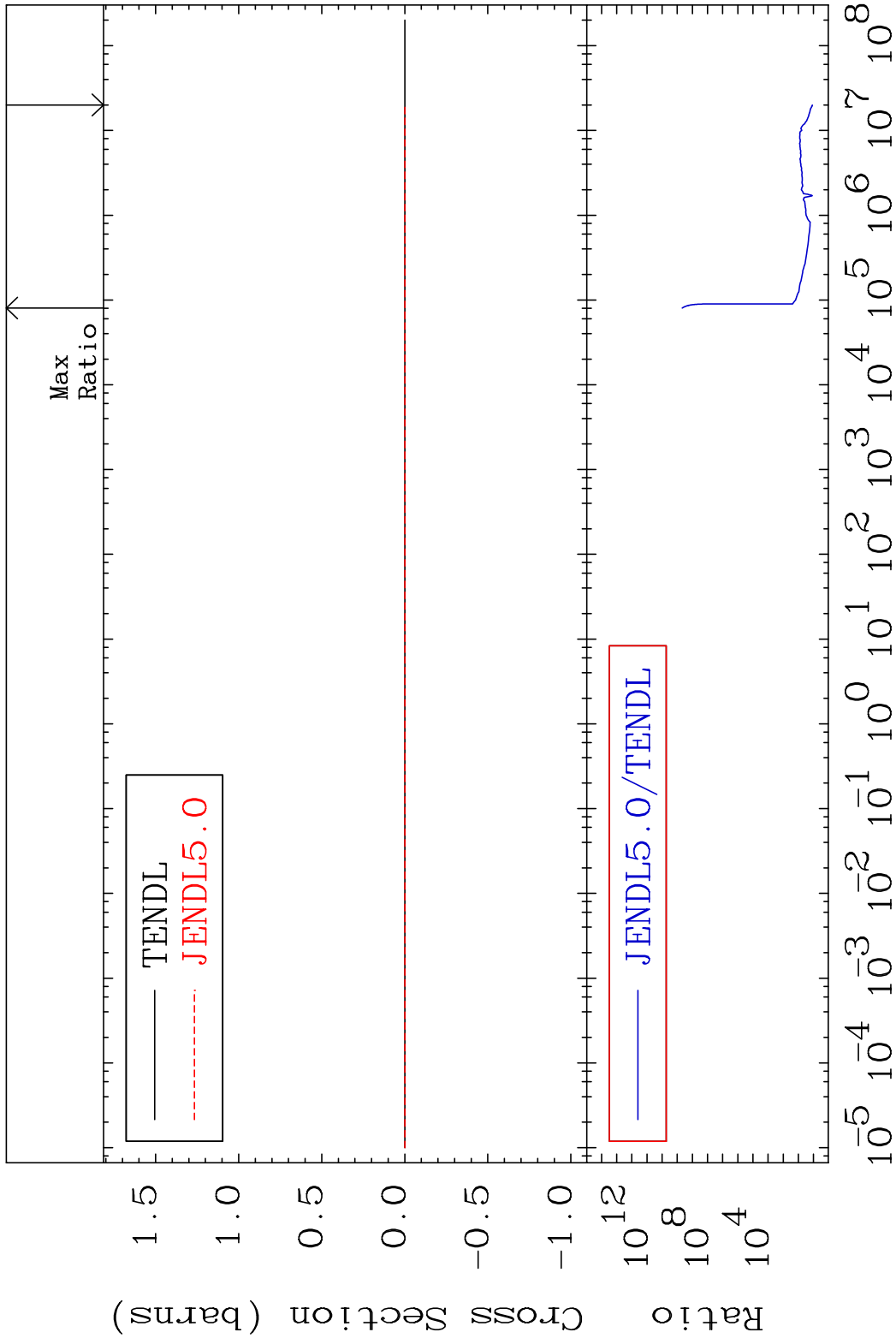
MAT 6843 Kerma non-elastic (all but mt2) 68-Er-168
 Cross Section -9999. To 9999. %



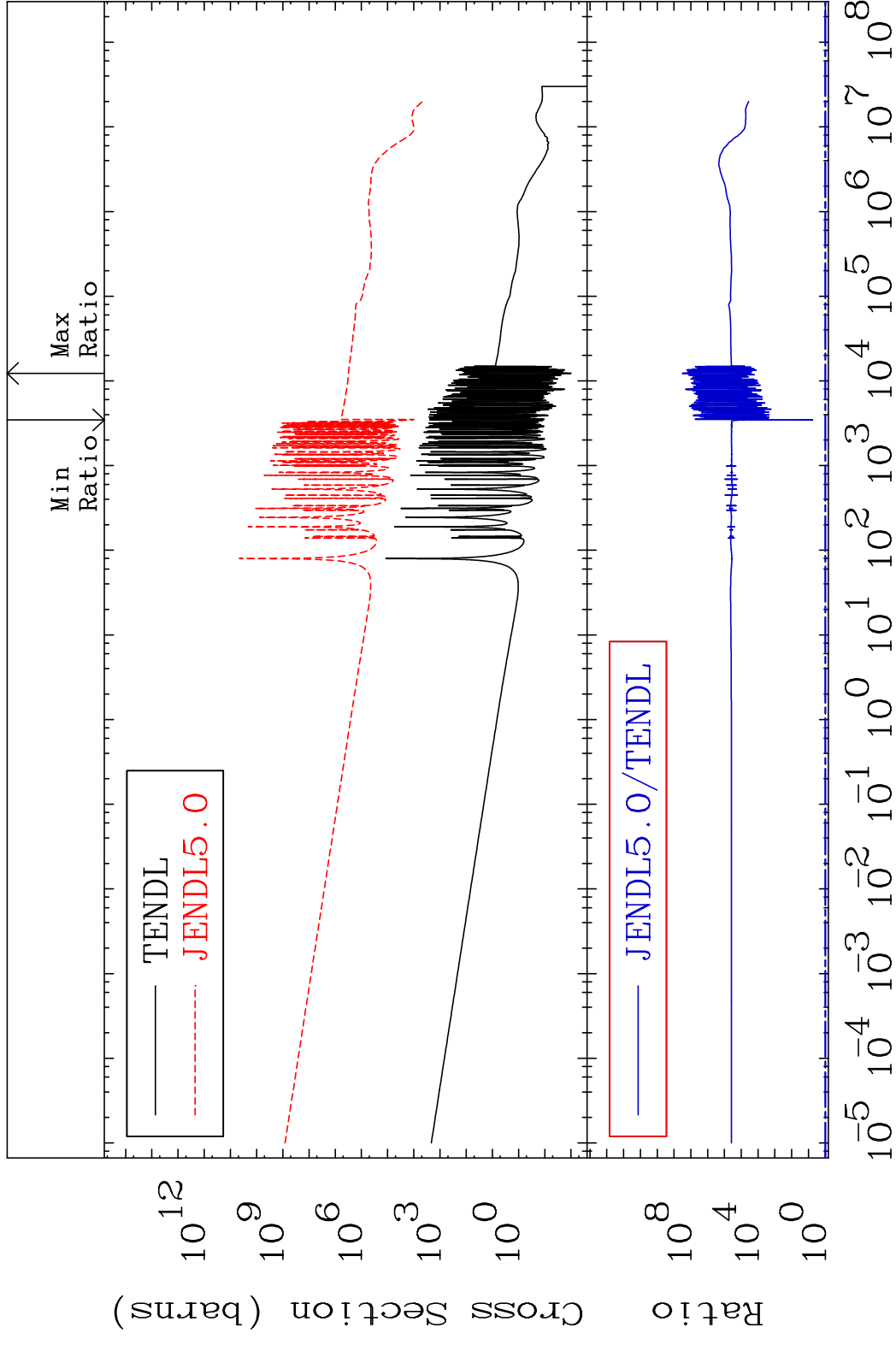
MAT 6843 Kerma inelastic (mt51-91) 68-Er-168
 Cross Section 1074. To 9999. %



MAT 6843 Kerma fission (mt18 or mt19-20-21-38) 68-Er-168
 Cross Section 1074. To 9999. %

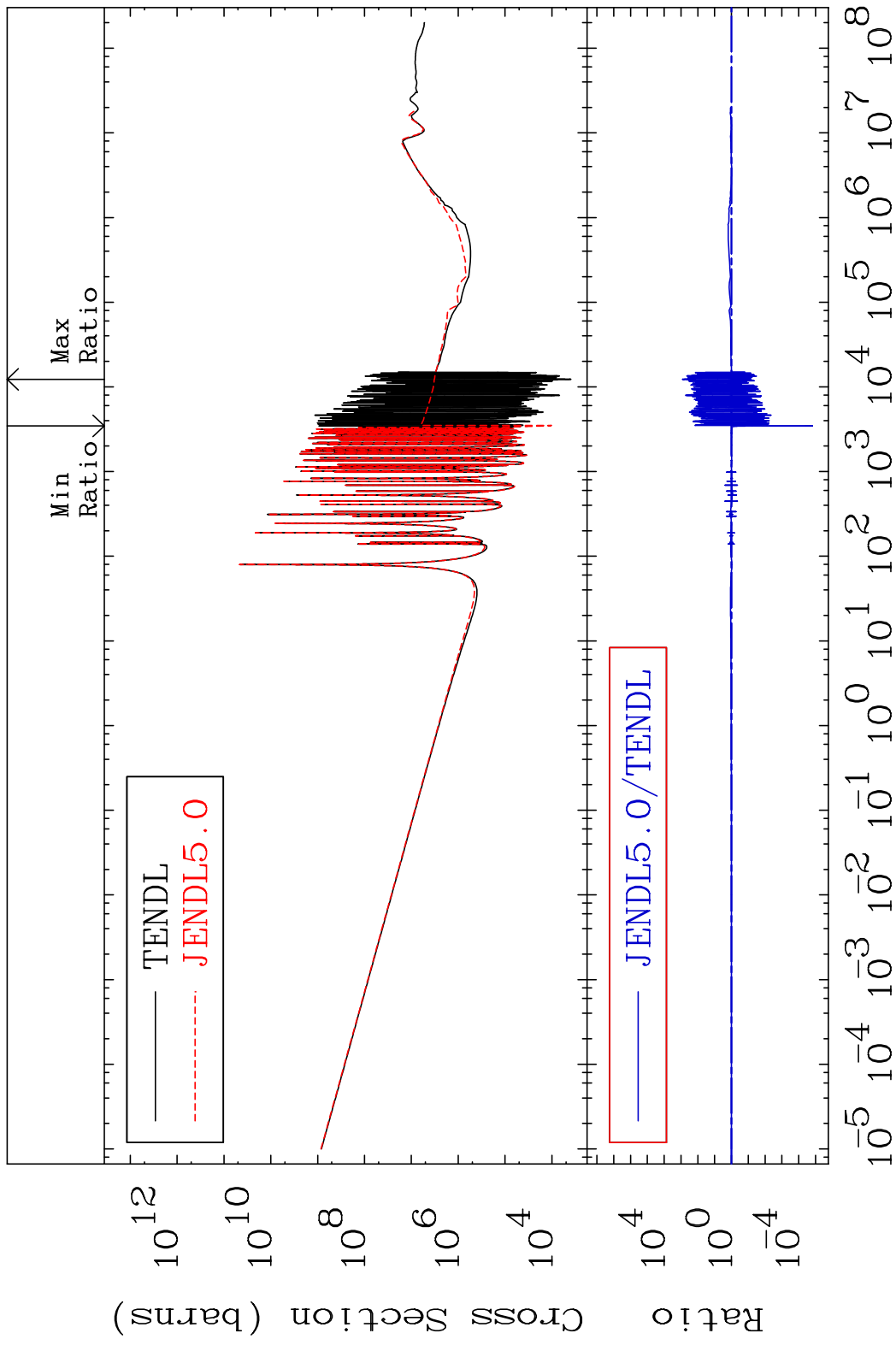


MAT 6843 Kerma capture (mt102) 68-Er-168
 Cross Section 470.9 To 9999. %

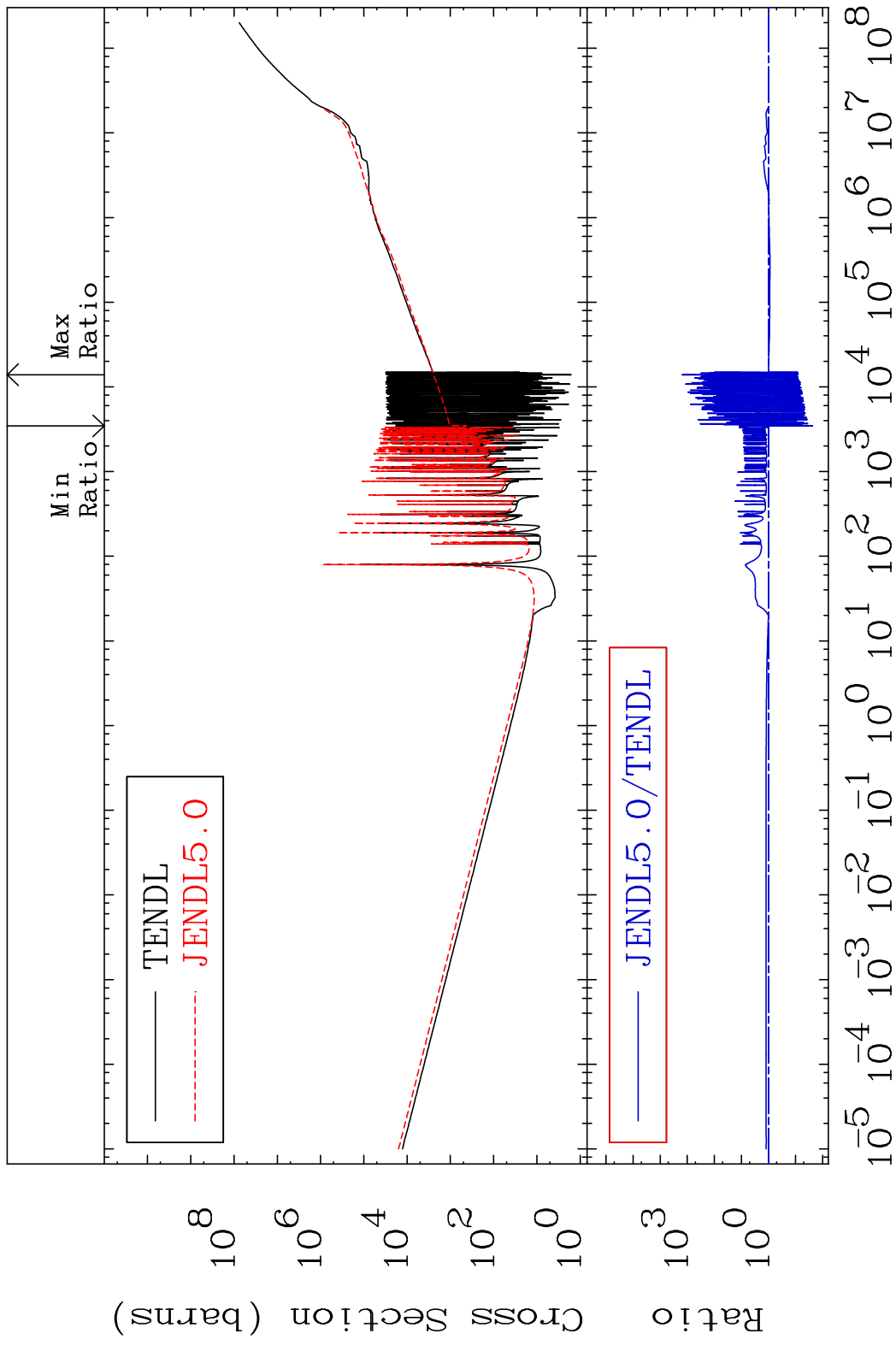


56 Incident Energy (eV) 68-Er-168

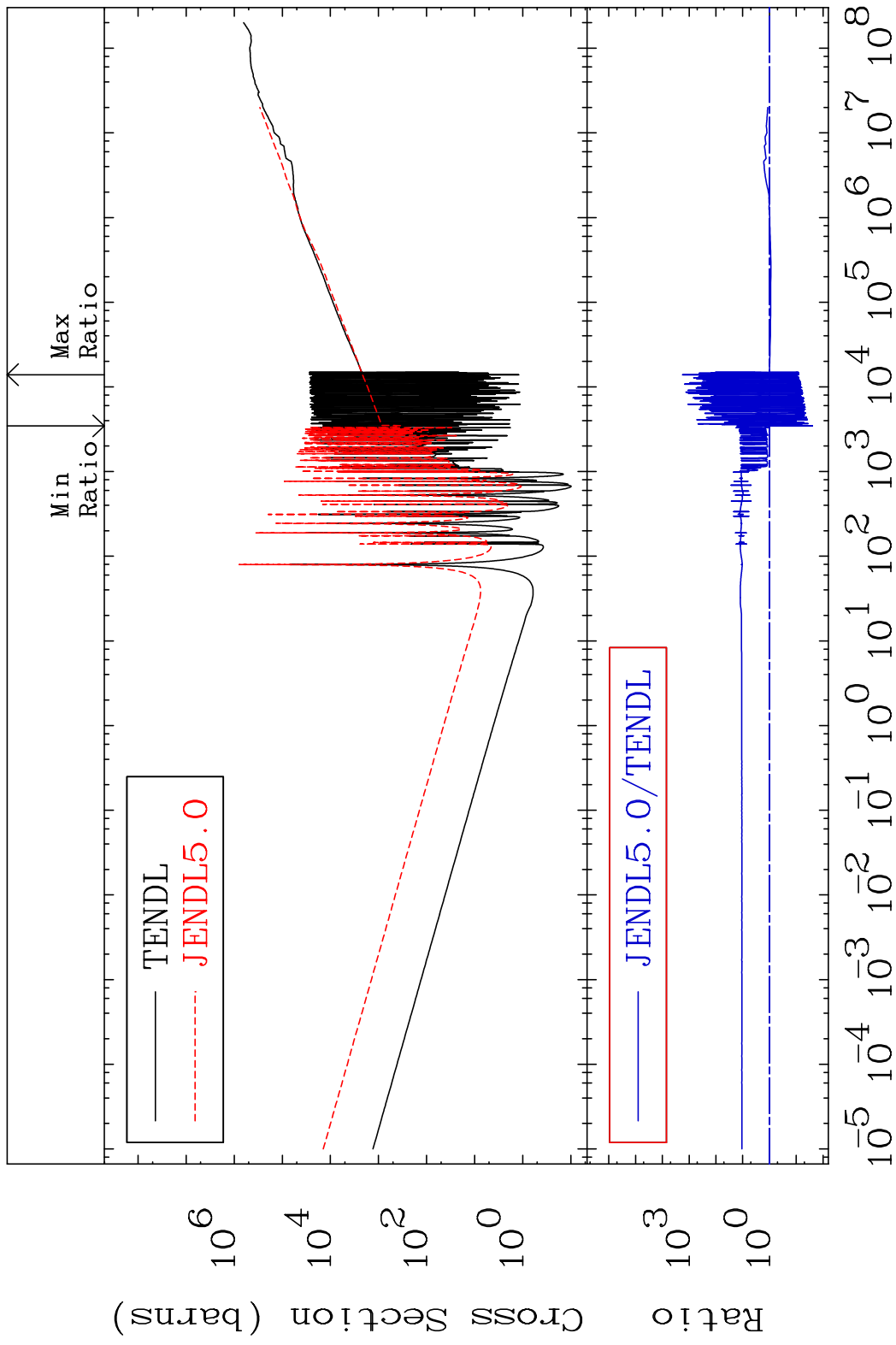
MAT 6843 Total photon (eV-barns) 68-Er-168
 Cross Section -100.0 To 9999. %



MAT 6843 Total kinematic kerma (high limit) 68-Er-168
 Cross Section -97.63 To 9999. %

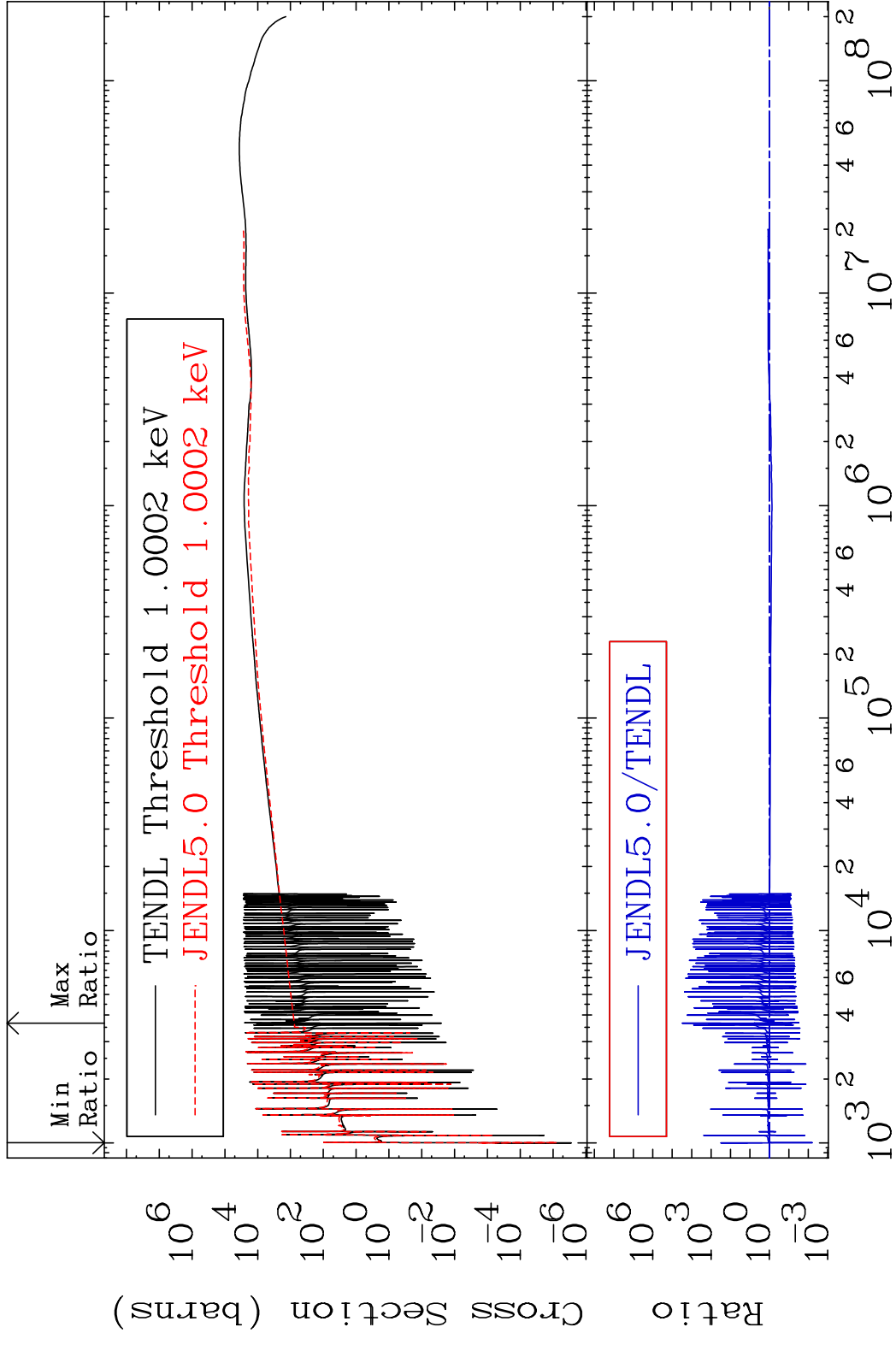


MAT 6843 Dpa total (eV-barns) 68-Er-168
 Cross Section -97.54 To 9999. %



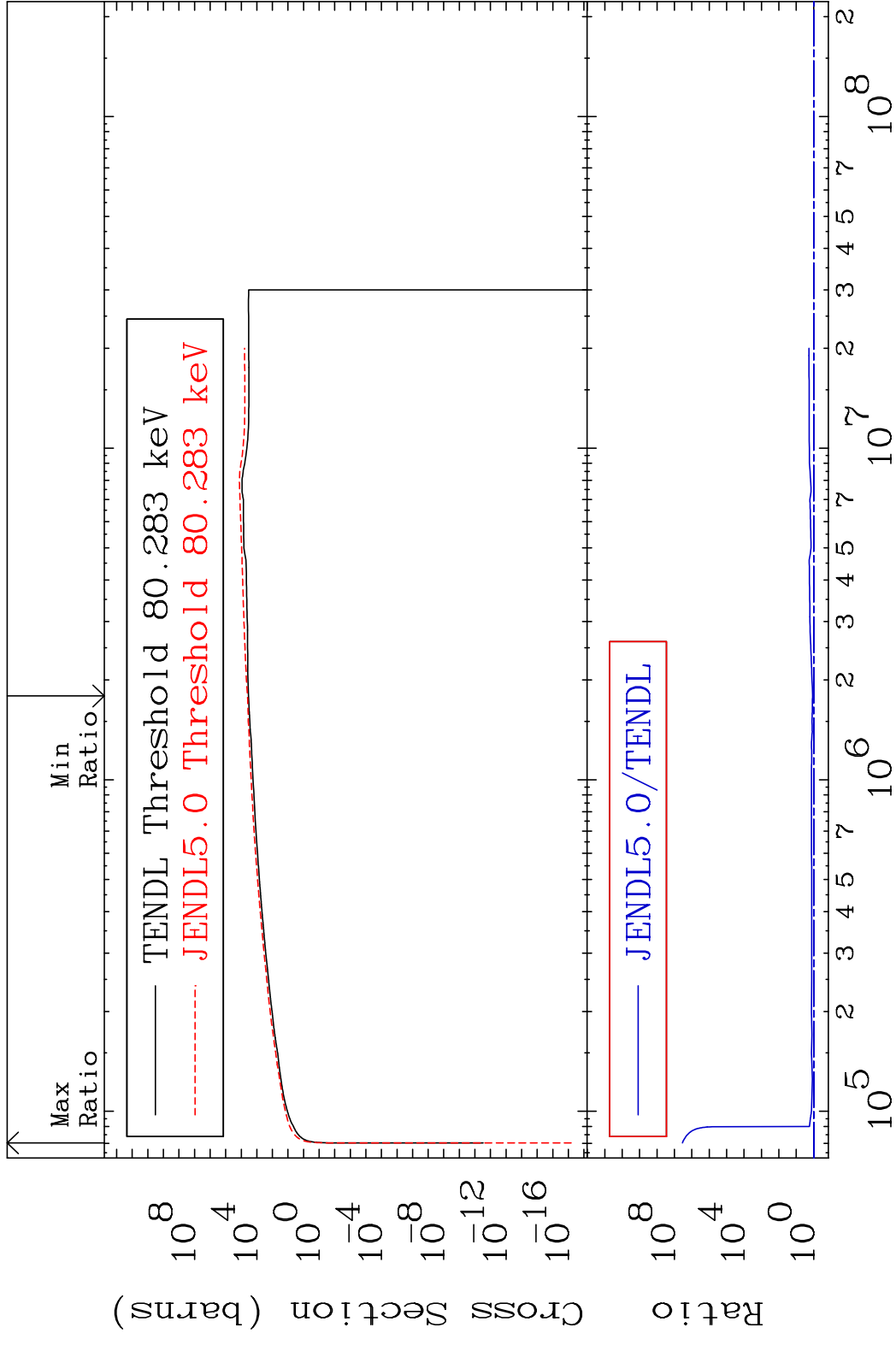
59 Incident Energy (eV) 68-Er-168

MAT 6843 Dpa elastic (mt2) 68-Er-168
 Cross Section -99.40 To 9999. %

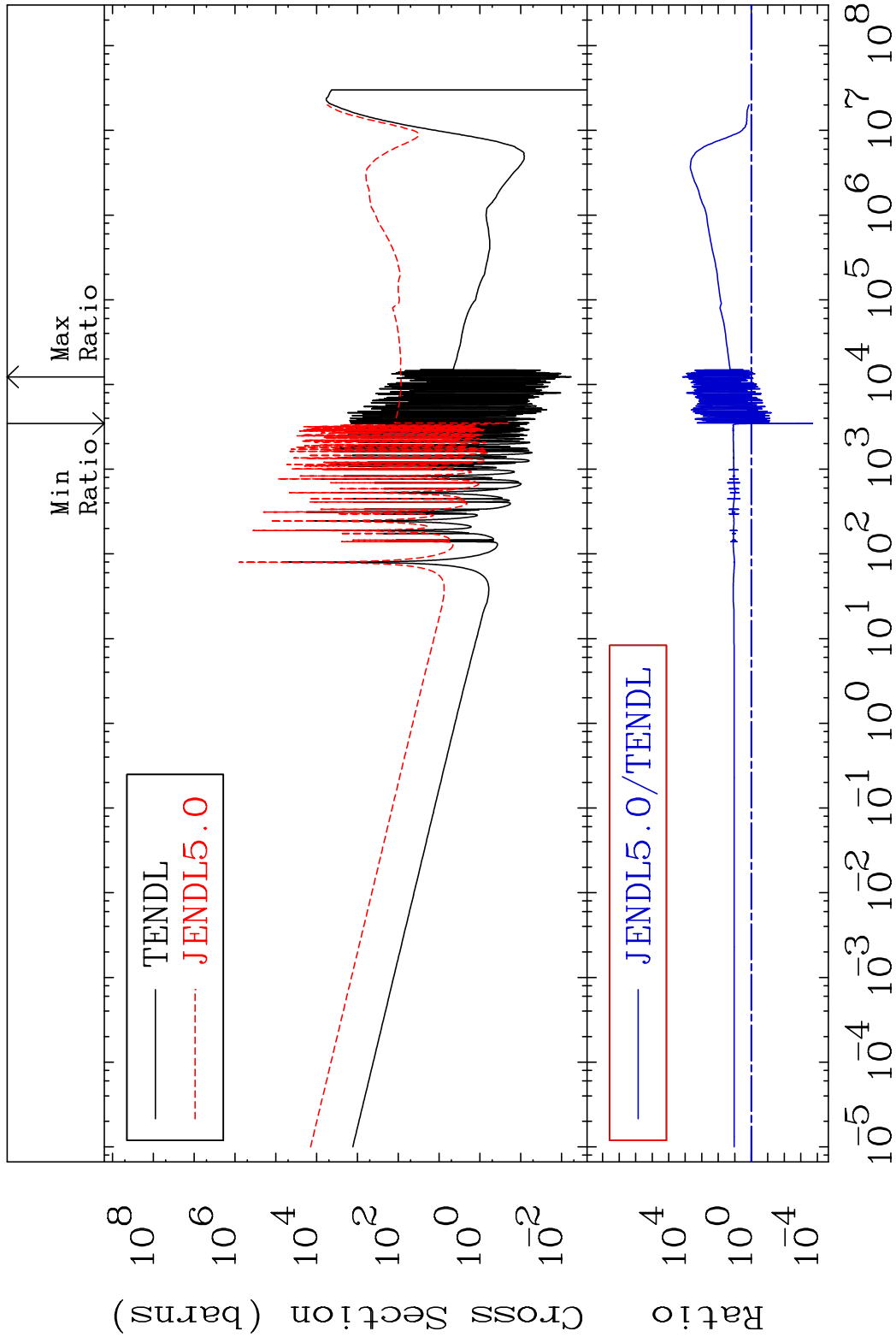


60 Incident Energy (eV) 68-Er-168

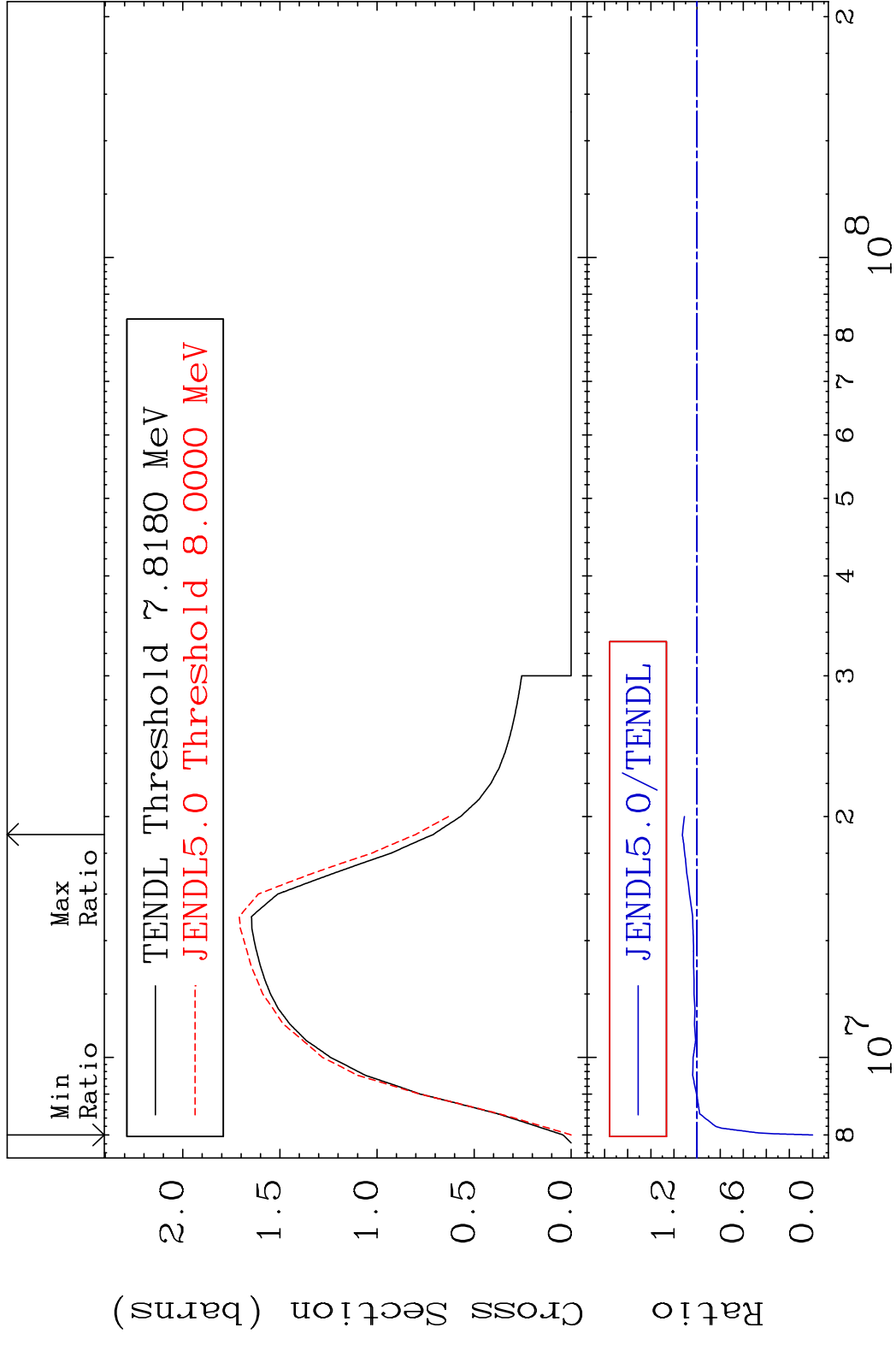
MAT 6843 Dpa inelastic (mt51-91) 68-Er-168
 Cross Section 15.62 To 9999. %



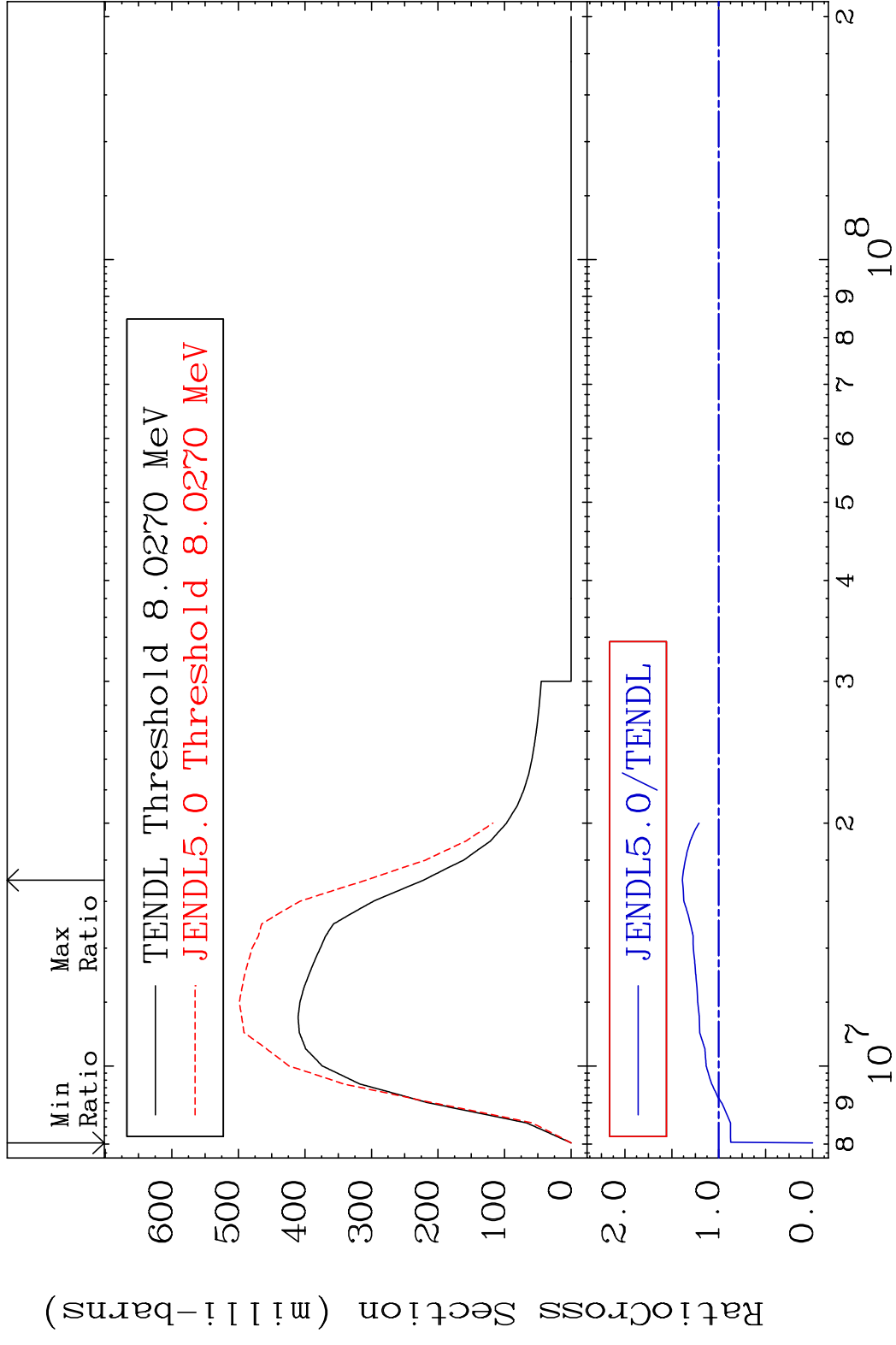
MAT 6843 Dpa disappearance (mt102 -120) 68-Er-168
 Cross Section -99.98 To 9999. %

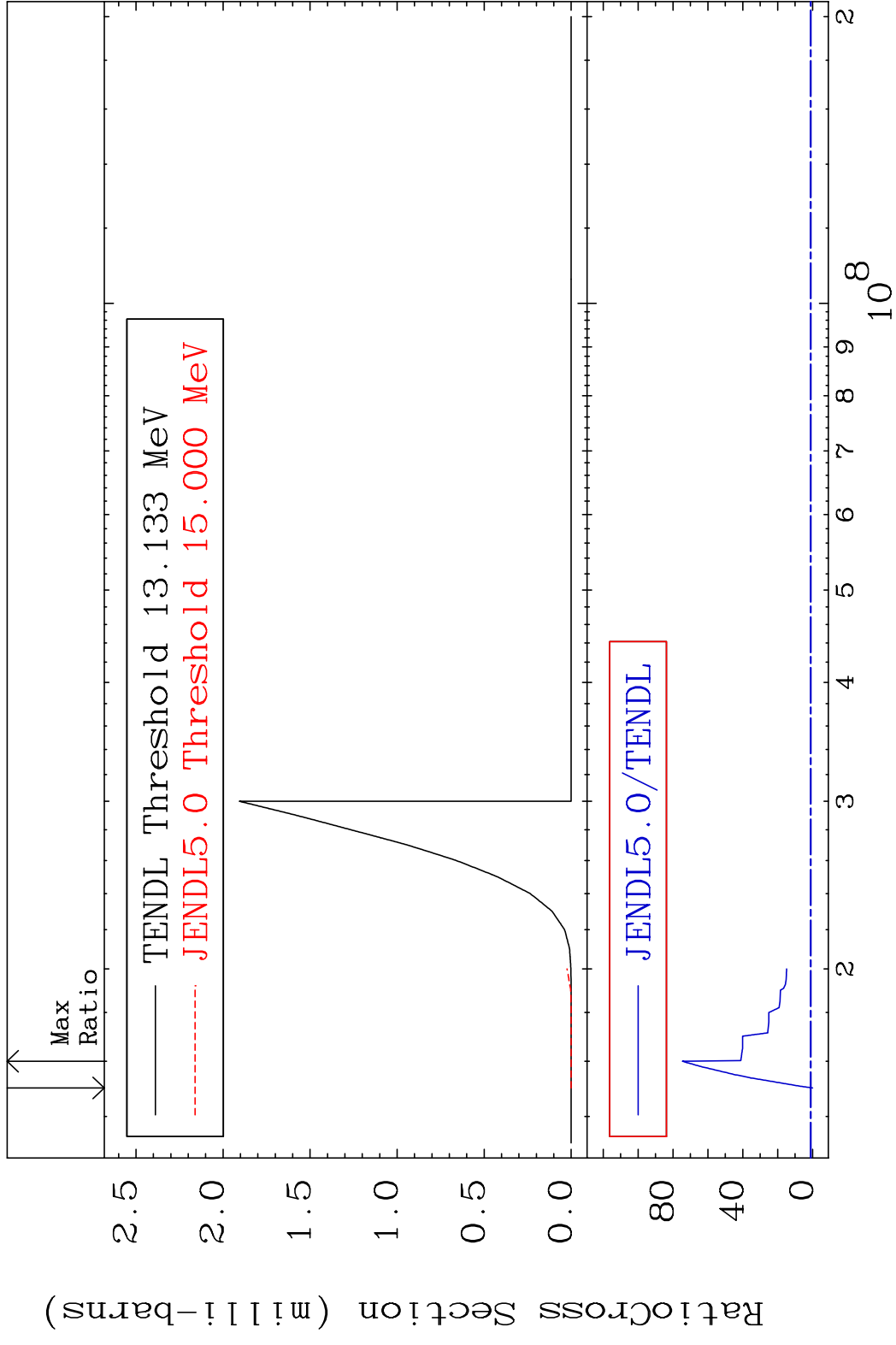


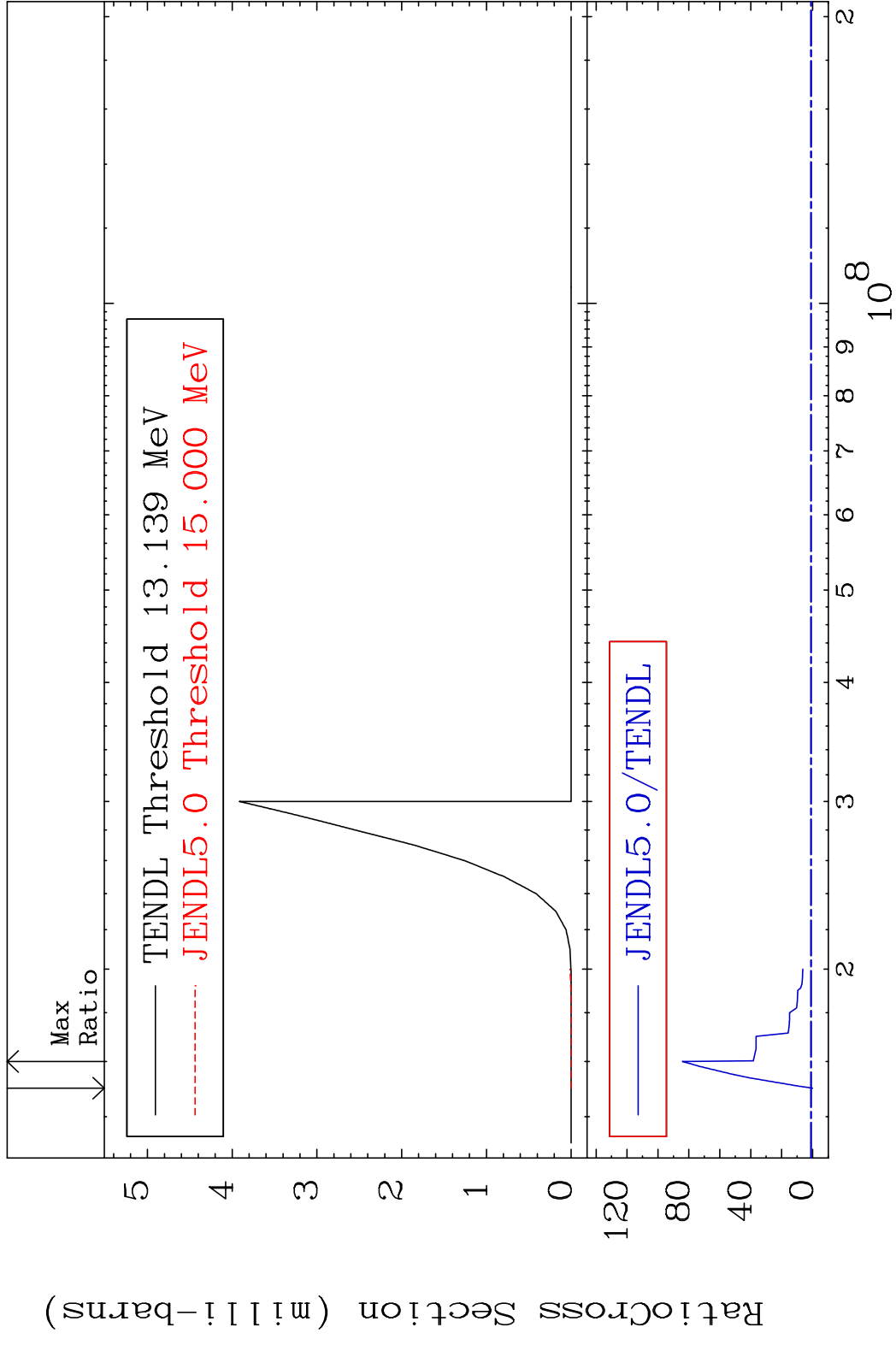
MAT 6843 (n,2n):68-Er-167g 68-Er-168
 Radionuclide Production Cross Section 18.00 mb 12.74 %

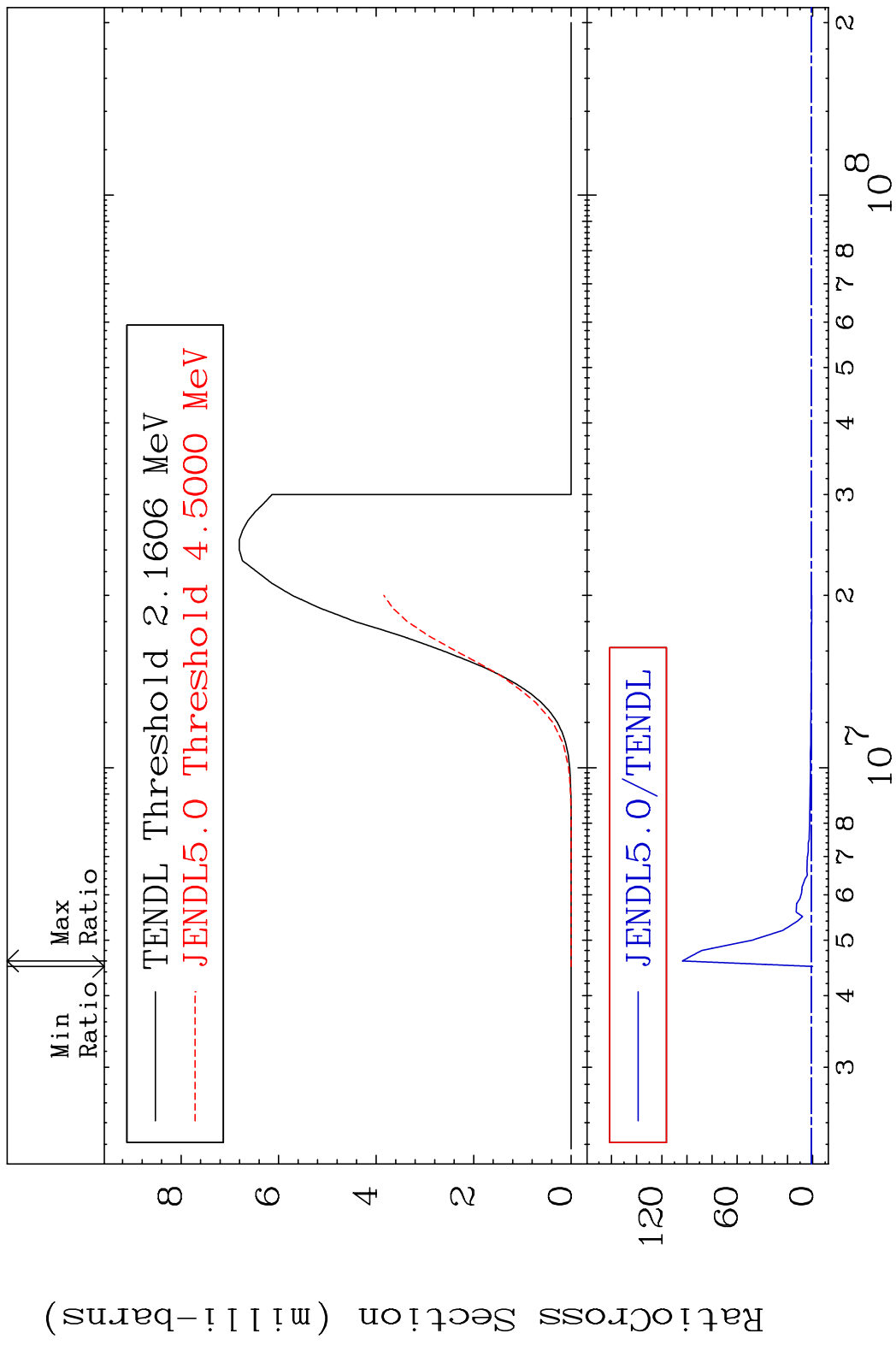


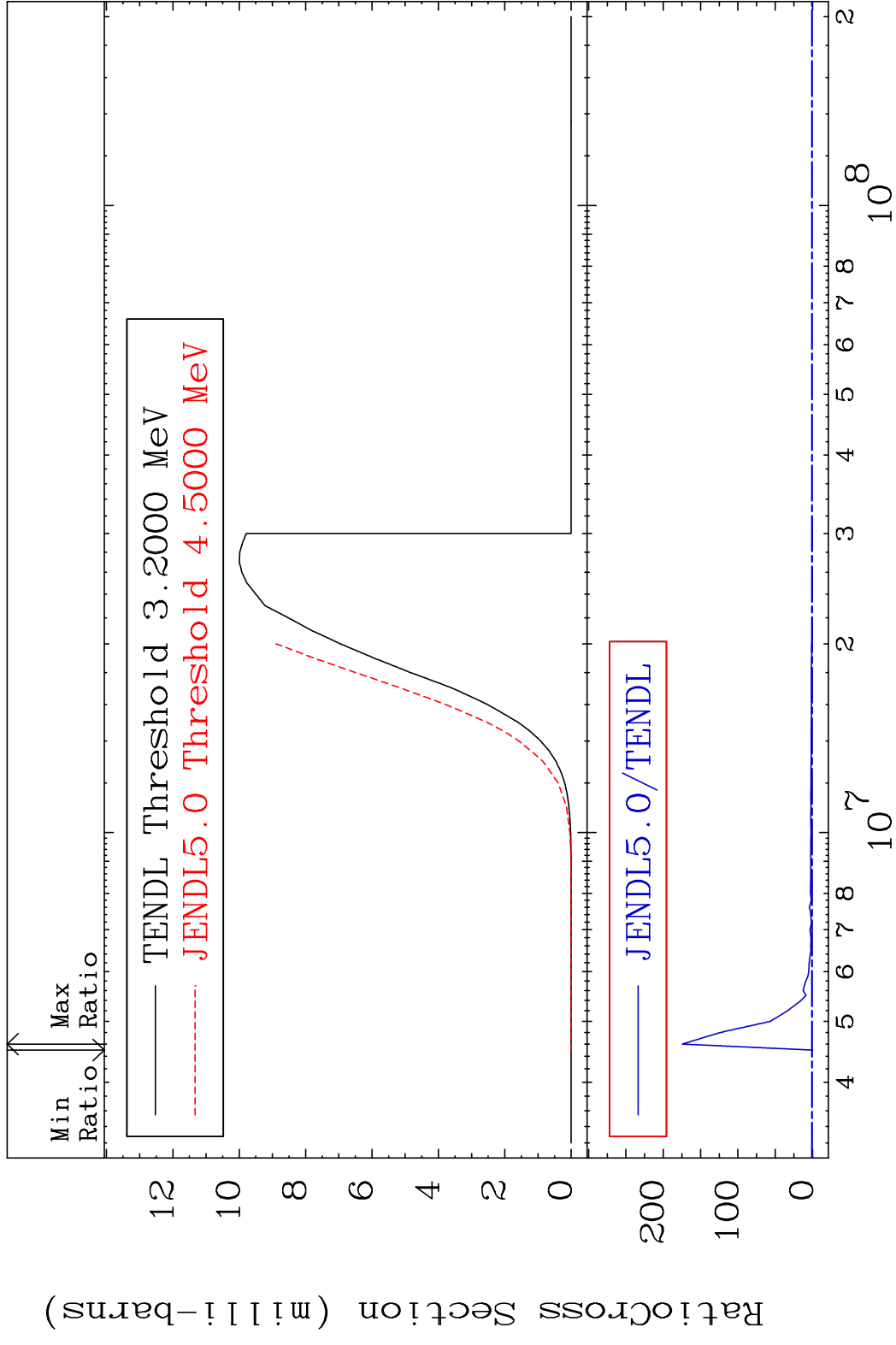
MAT 6843 (n,2n):68-Er-167m3 68-Er-168
 Radionuclide Production Cross Section Ratio 38.78 %

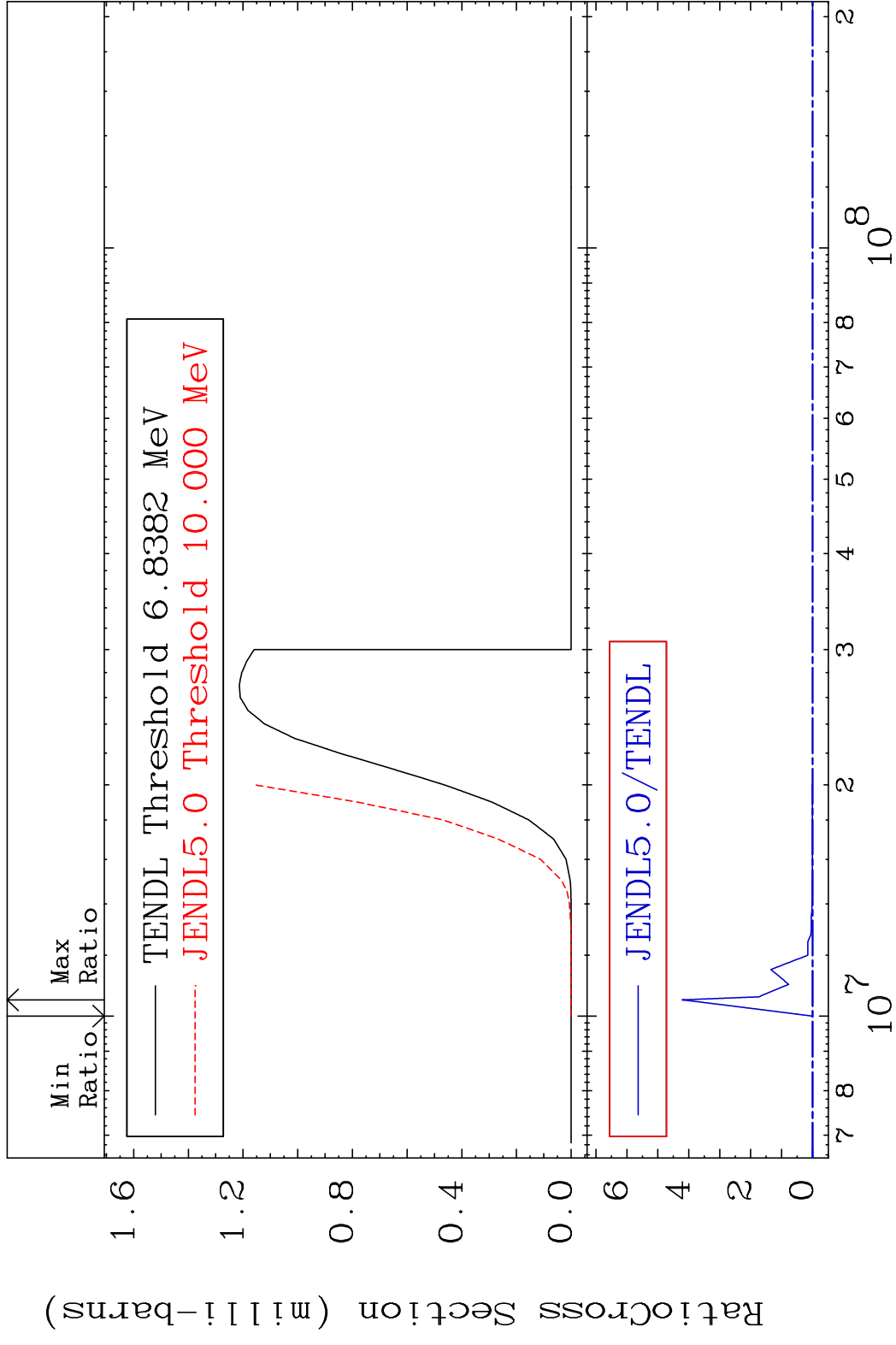


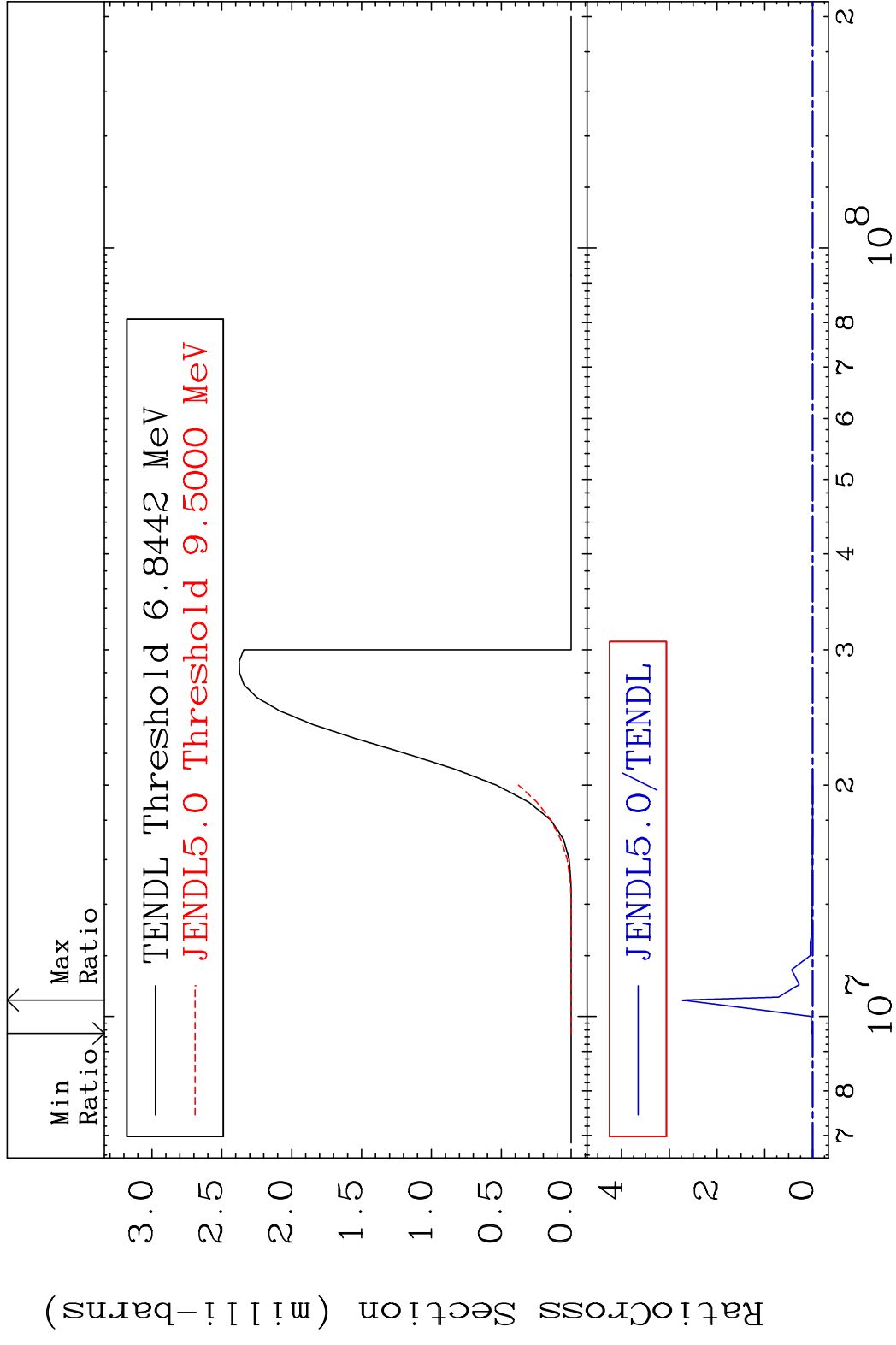


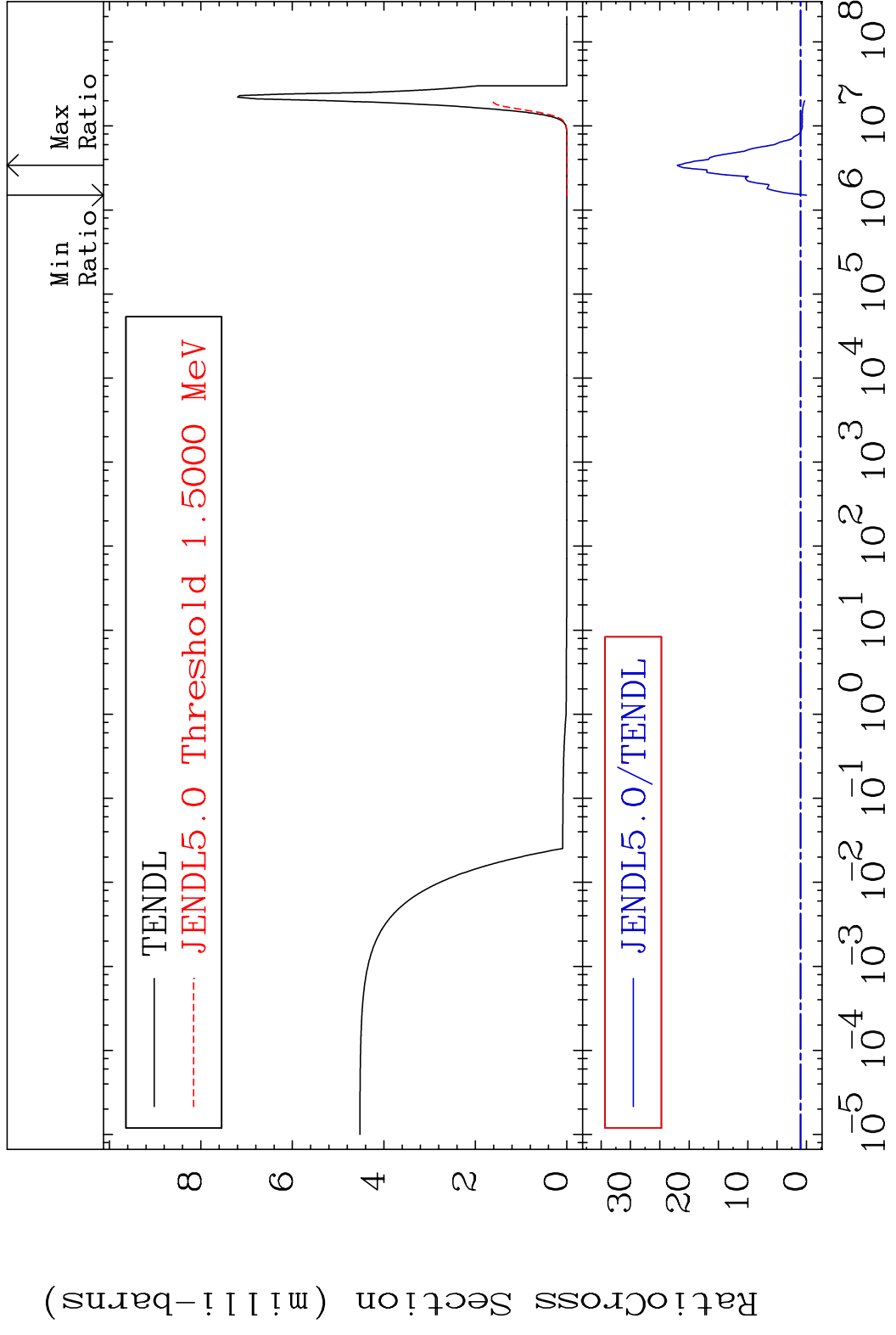


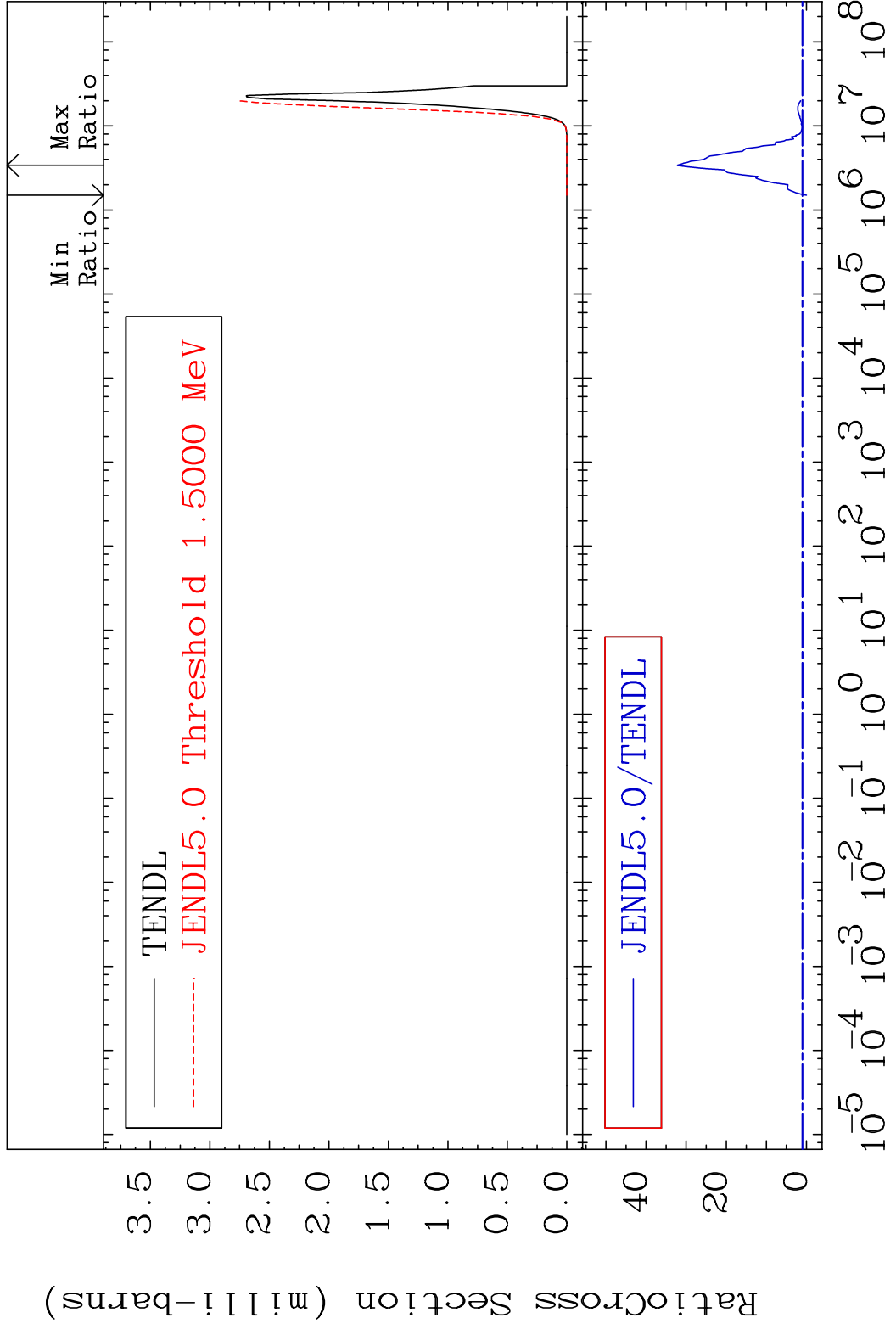




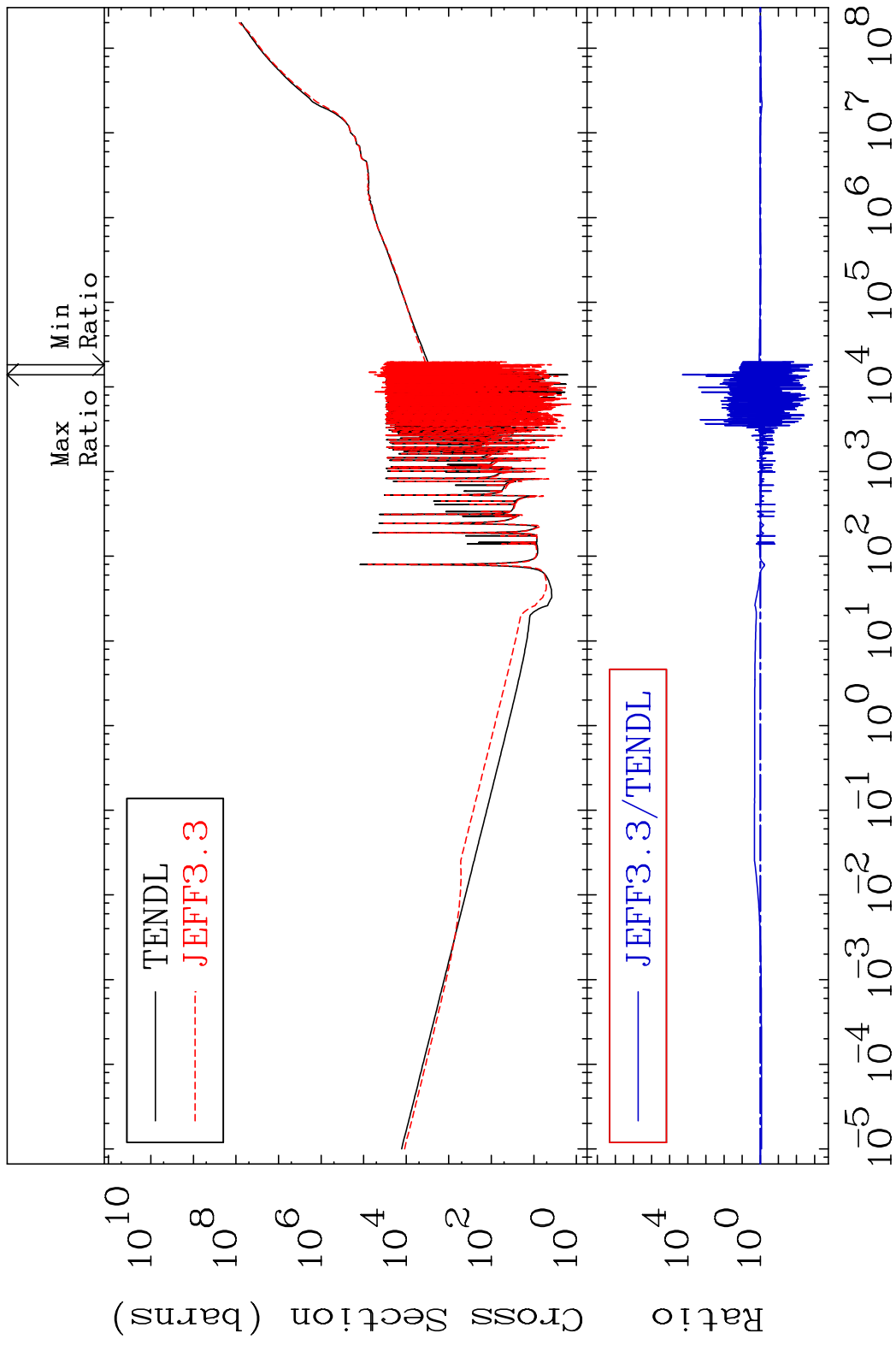








MAT 6843 Total kinematic kerma (high limit) 68-Er-168
 Cross Section -99.87 To 9999. %

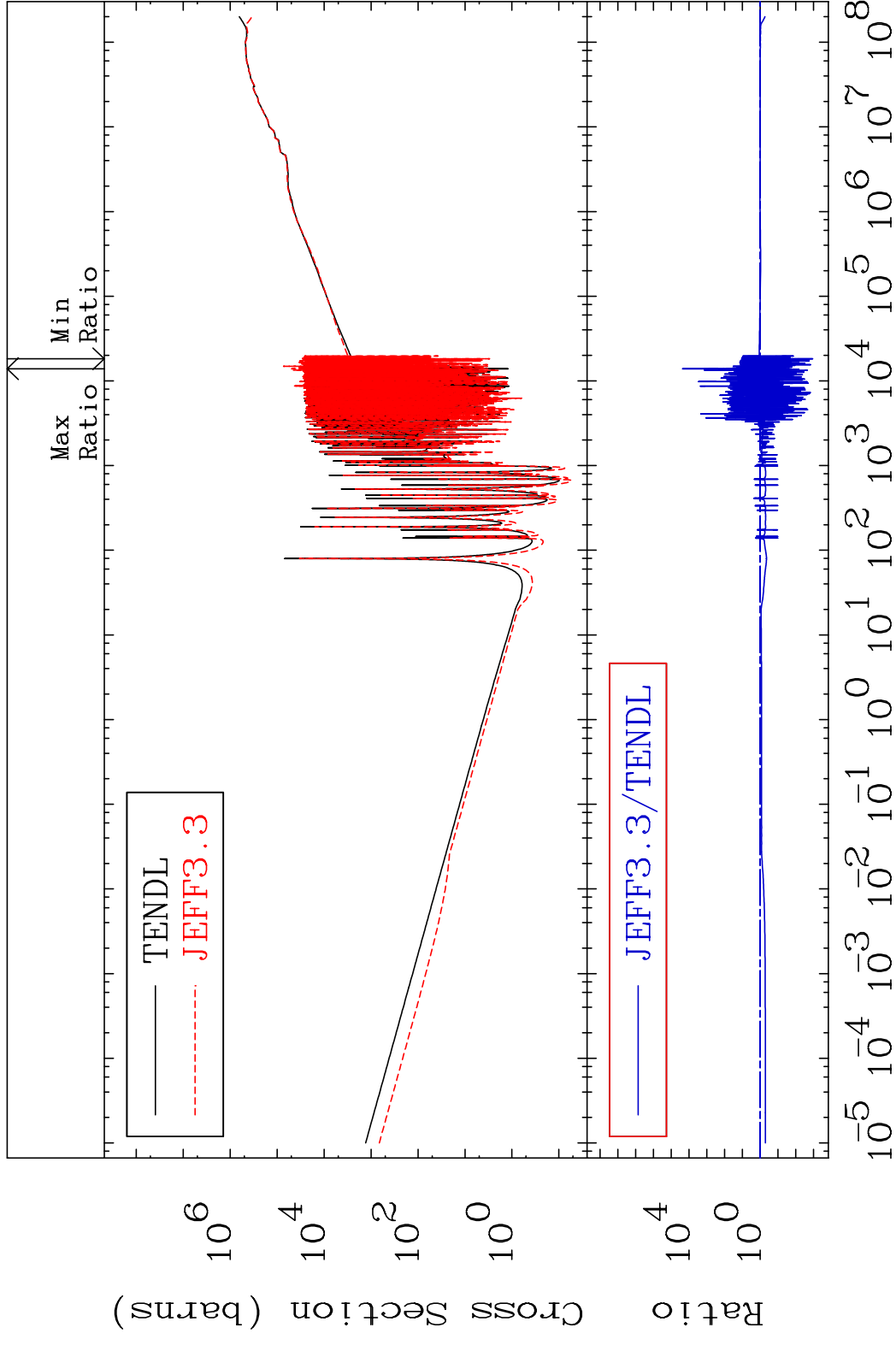


MAT 6843

Dpa total (eV-barns)

68-Er-168

Cross Section -99.89 To 9999. %



74

Incident Energy (eV)

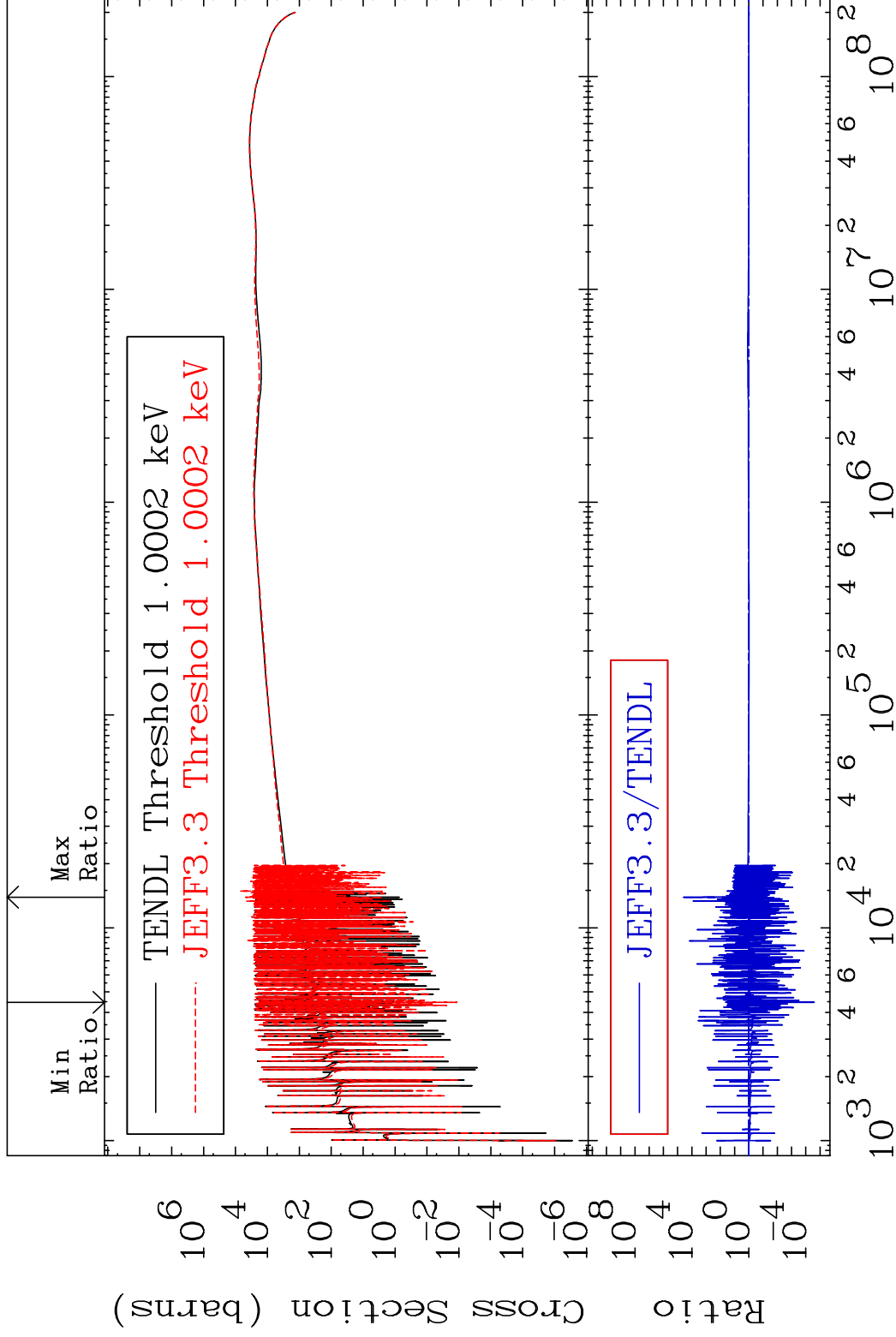
68-Er-168

MAT 6843

Dpa elastic (mt2)

68-Er-168

Cross Section -100.0 To 9999. %



75

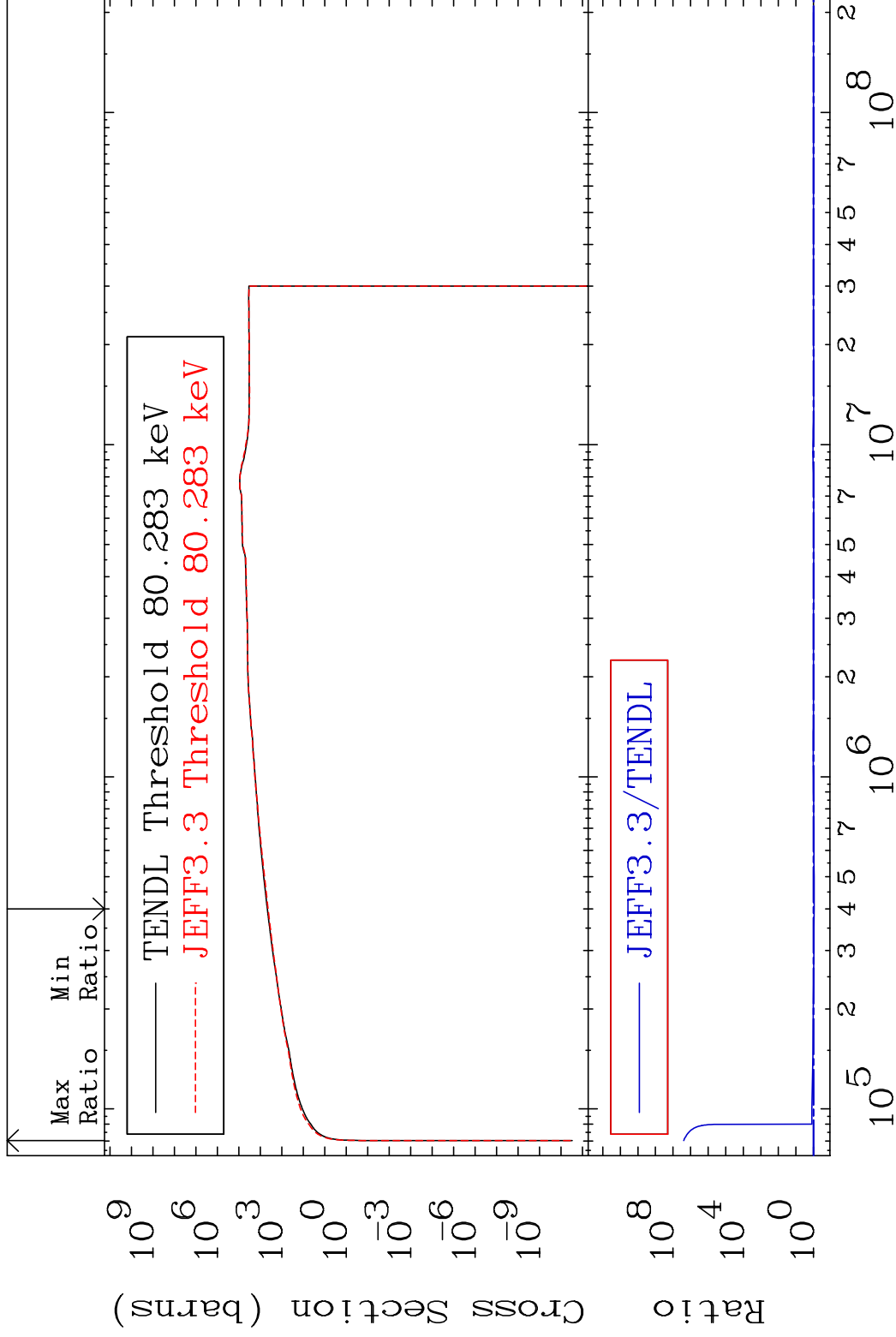
Incident Energy (eV)

68-Er-168

MAT 6843

Dpa inelastic (mt51-91) 68-Er-168

Cross Section -7.718 To 9999. %

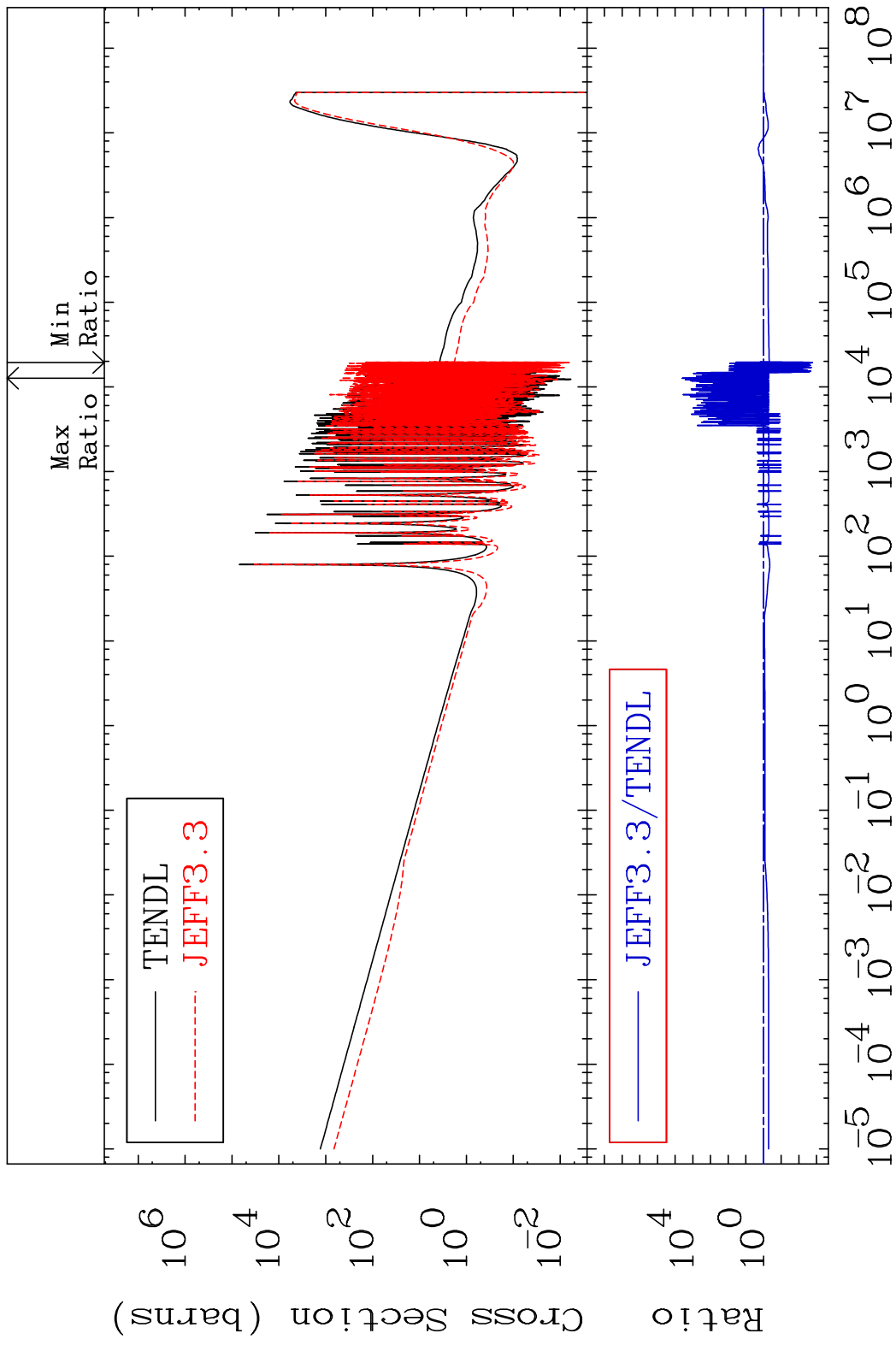


76

Incident Energy (eV)

68-Er-168

MAT 6843 Dpa disappearance (mt102 -120) 68-Er-168
 Cross Section -99.83 To 9999. %



MAT 6843 (n,2n):68-Er-167g 68-Er-168
 Radionuclide Production Cross Section Ratio 20.08 %

