

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

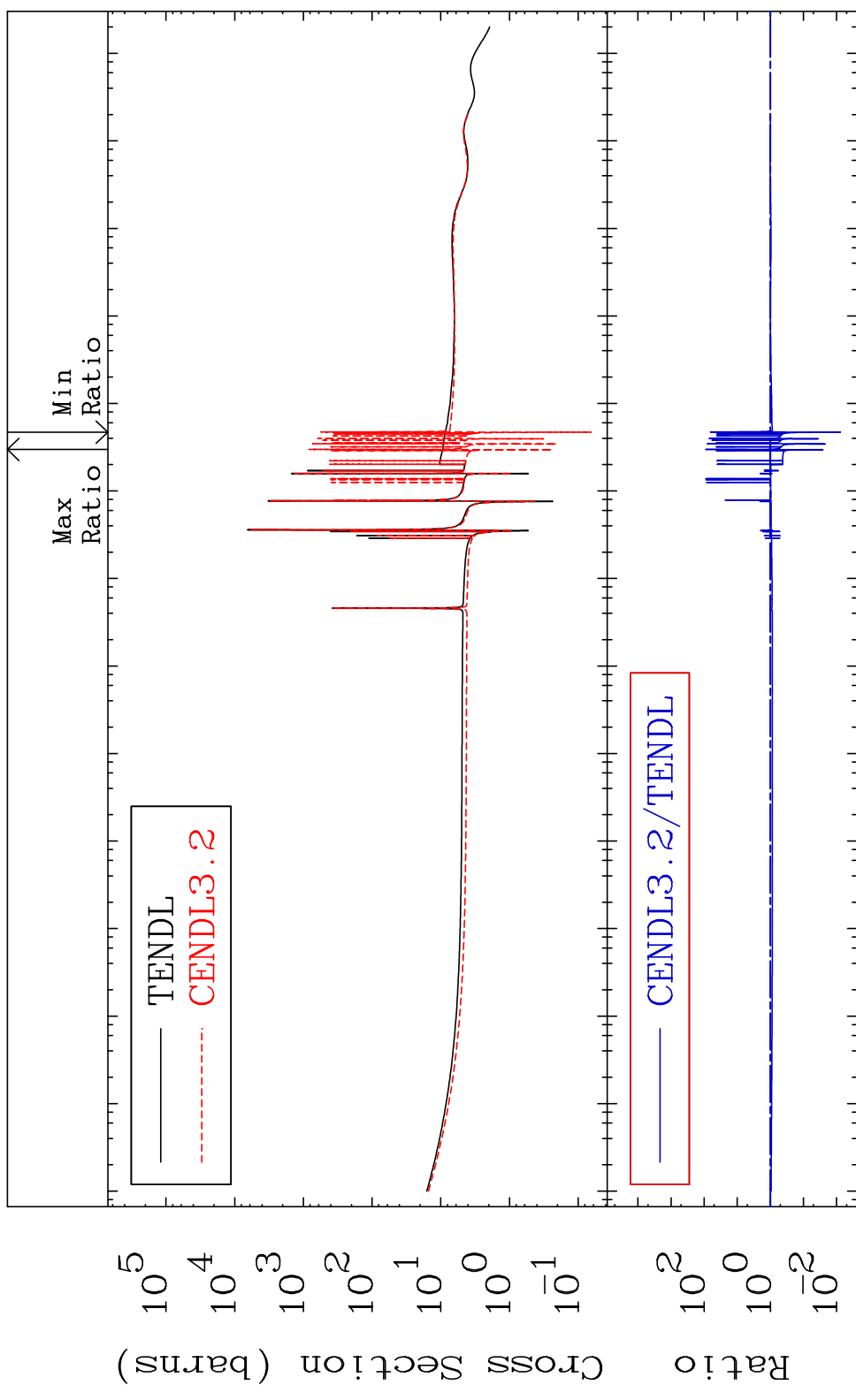
MAT 5043

Total

50-Sn-118

Cross Section

-99.24 To 8832. %



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

1

Incident Energy (eV)

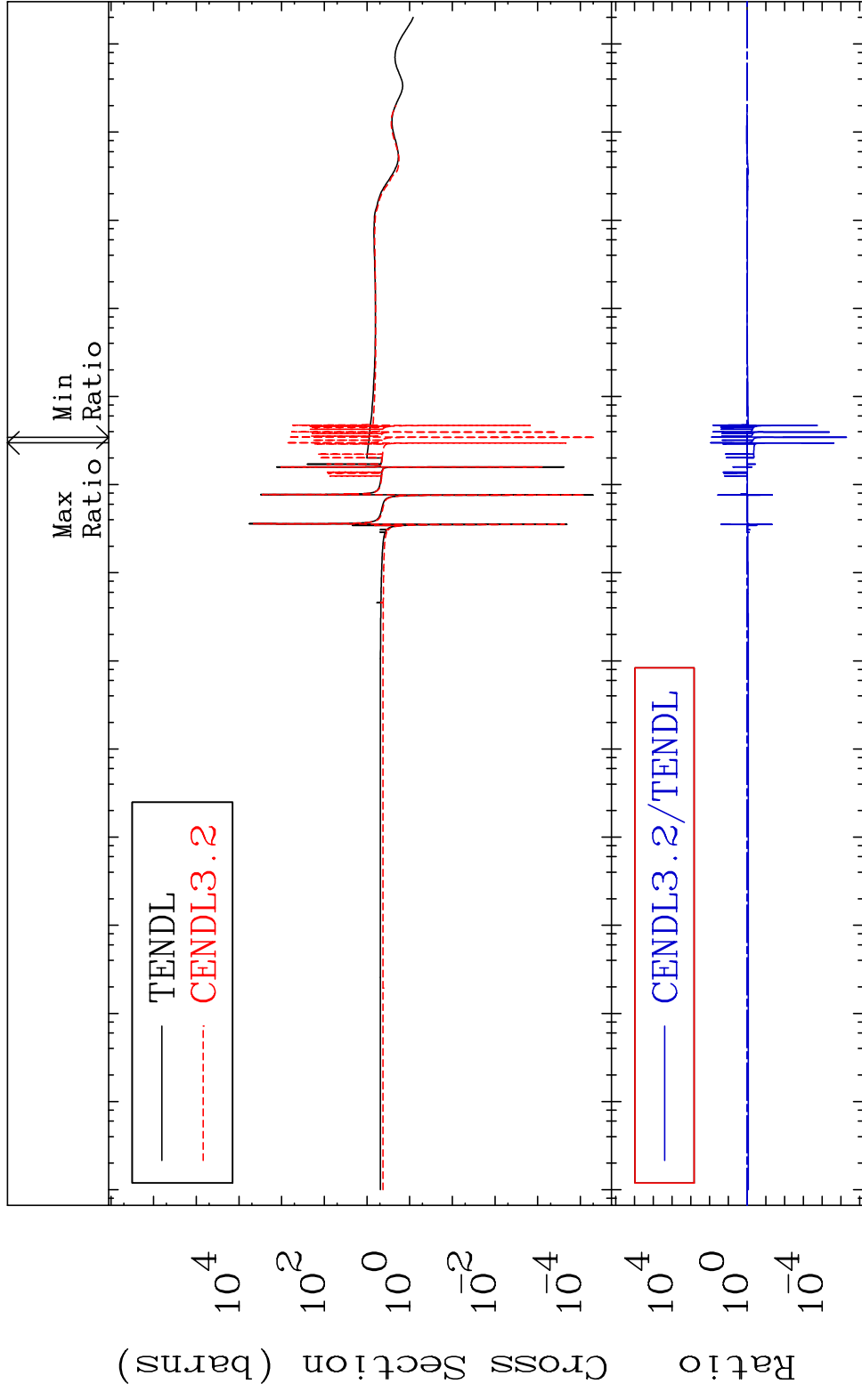
50-Sn-118

MAT 5043

Elastic

50-Sn-118

Cross Section -100.0 To 8576. %



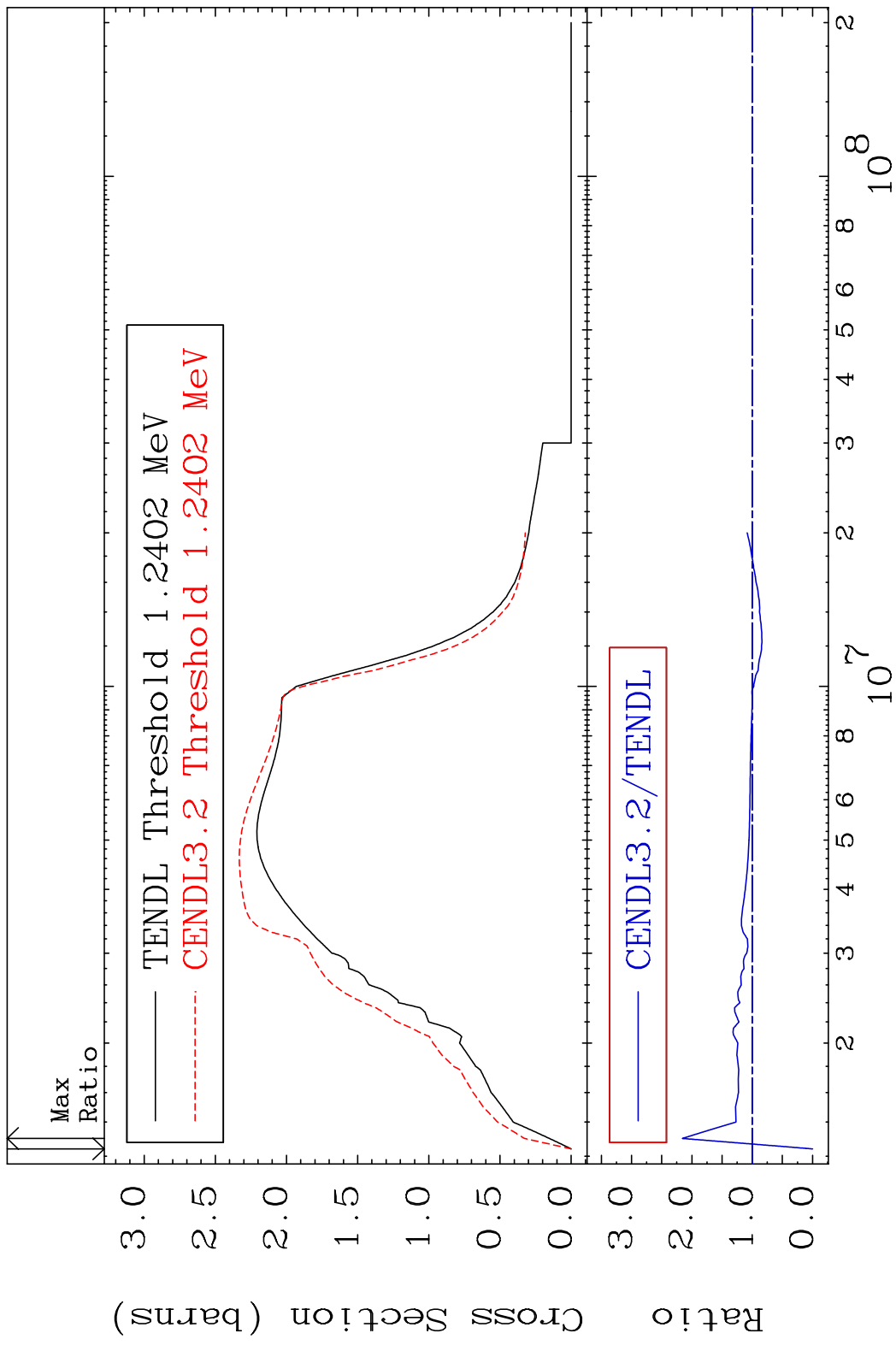
Ratio

2

Incident Energy (eV)

50-Sn-118

MAT 5043 Inelastic 50-Sn-118
 Cross Section -100.0 To 115.8 %



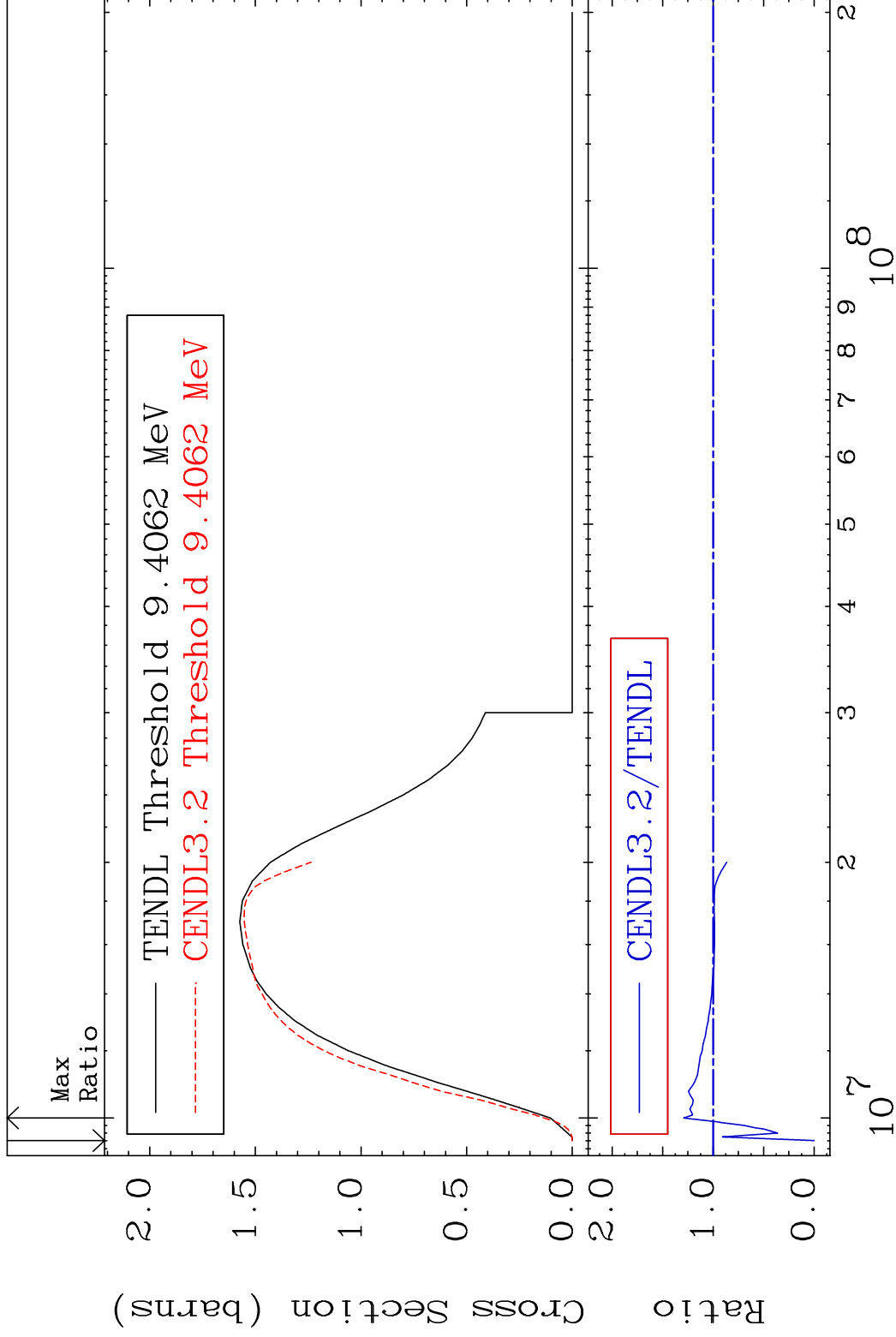
3 Incident Energy (eV) 50-Sn-118

MAT 5043

(n,2n)

50-Sn-118

Cross Section -100.0 To 29.18 %



4

Incident Energy (eV)

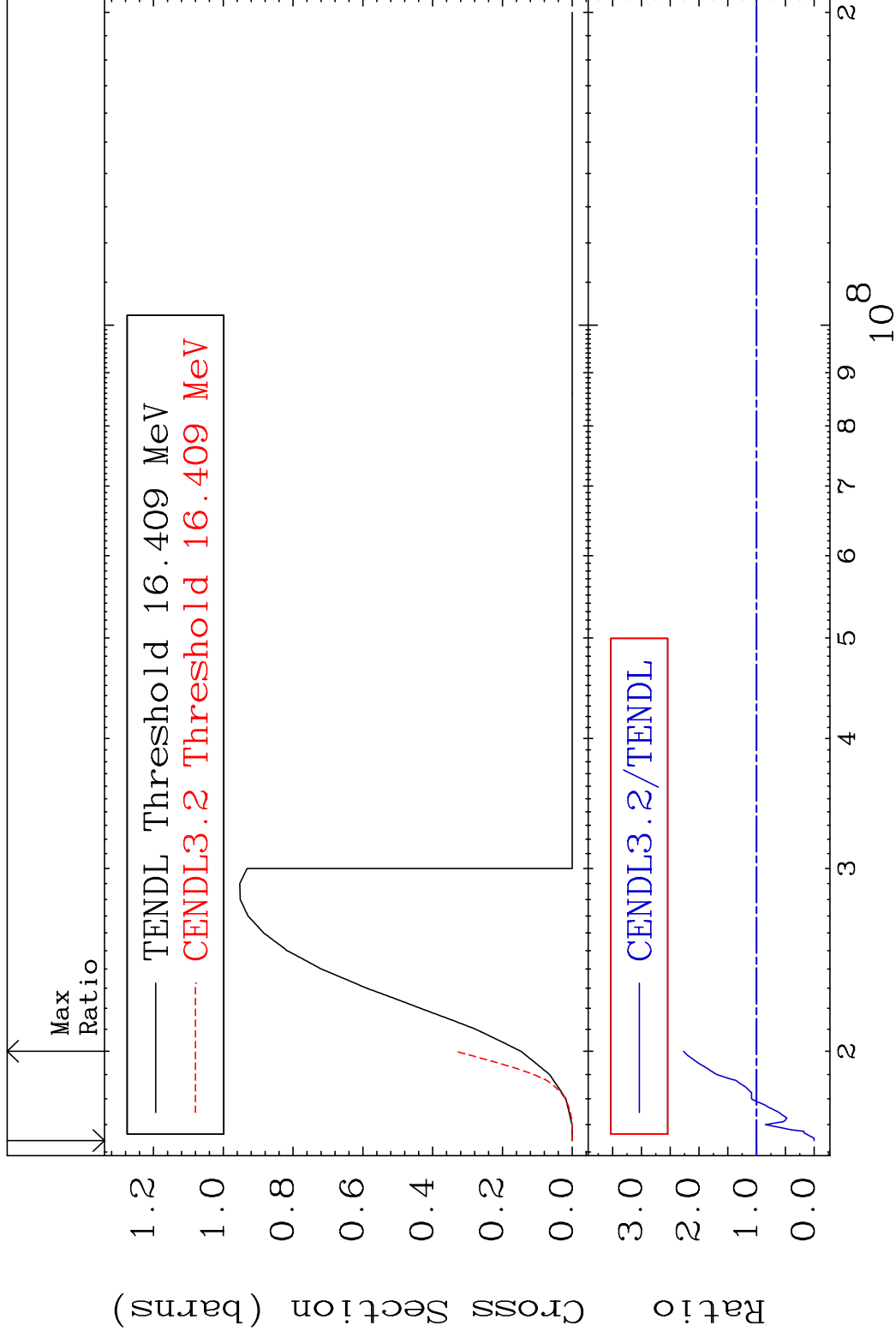
50-Sn-118

MAT 5043

(n,3n)

50-Sn-118

Cross Section -100.0 To 126.7 %



5

Incident Energy (eV)

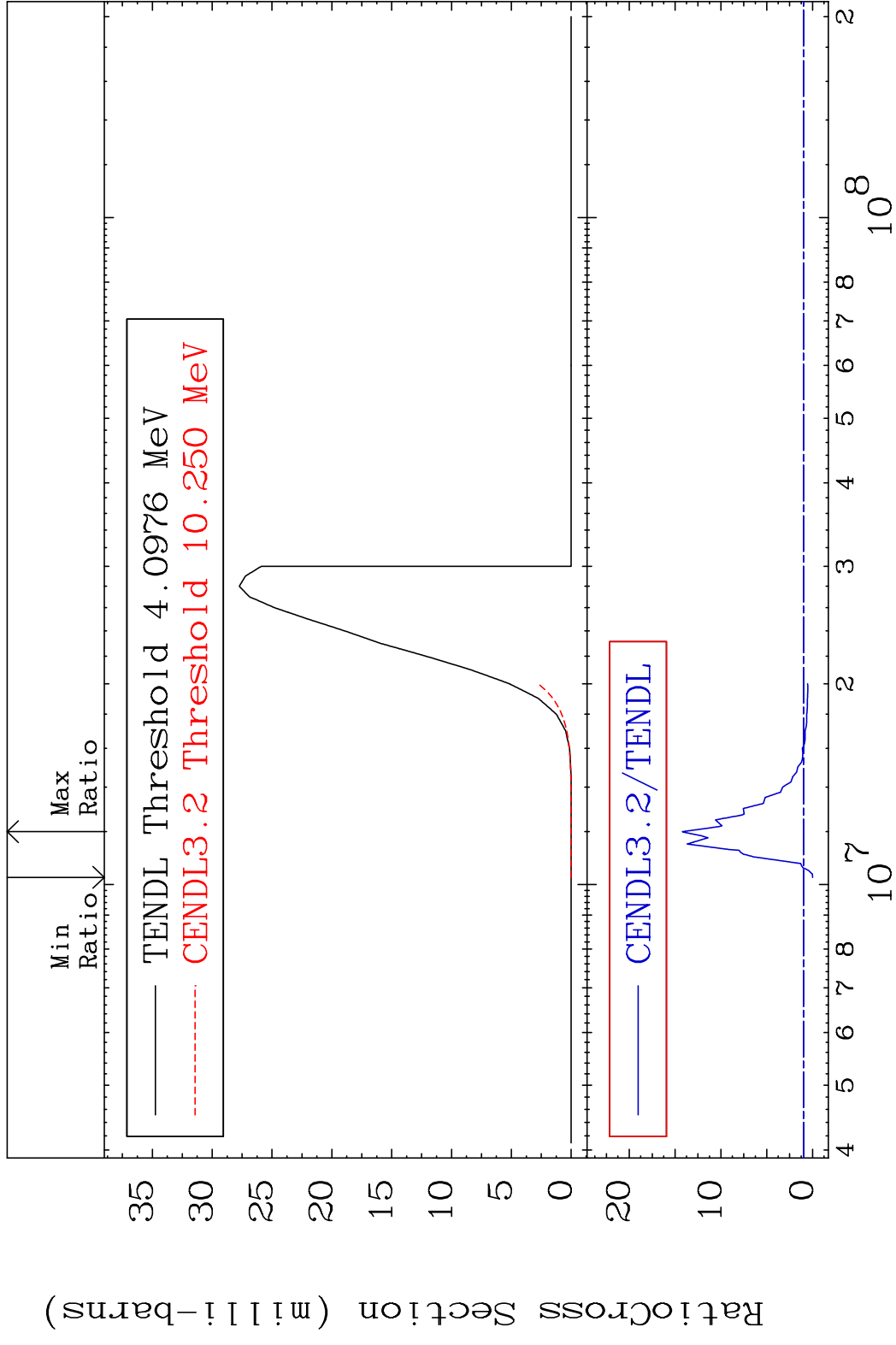
50-Sn-118

MAT 5043

(n, n') α

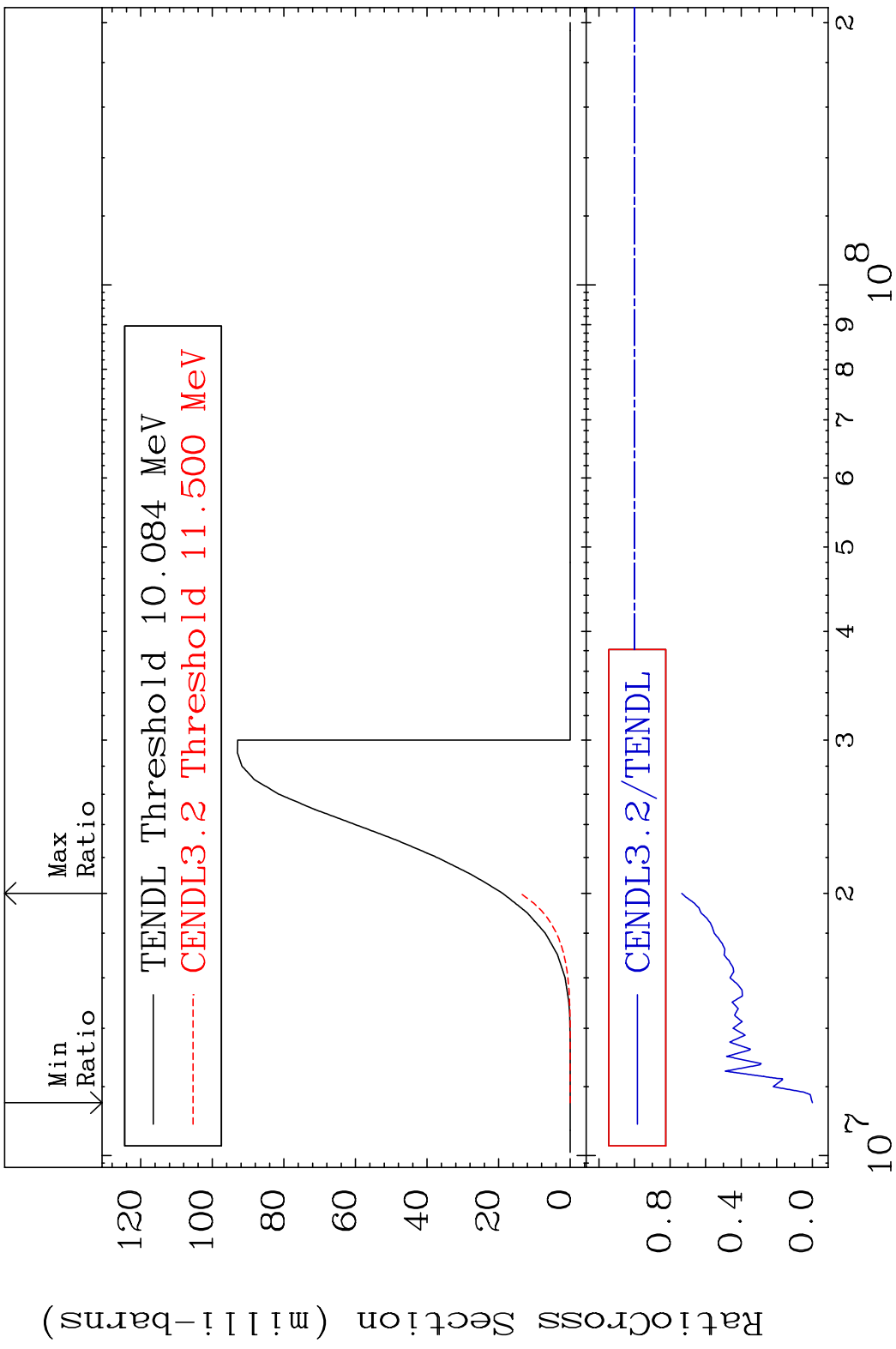
50-Sn-118

Cross Section -100.0 To 1321. %



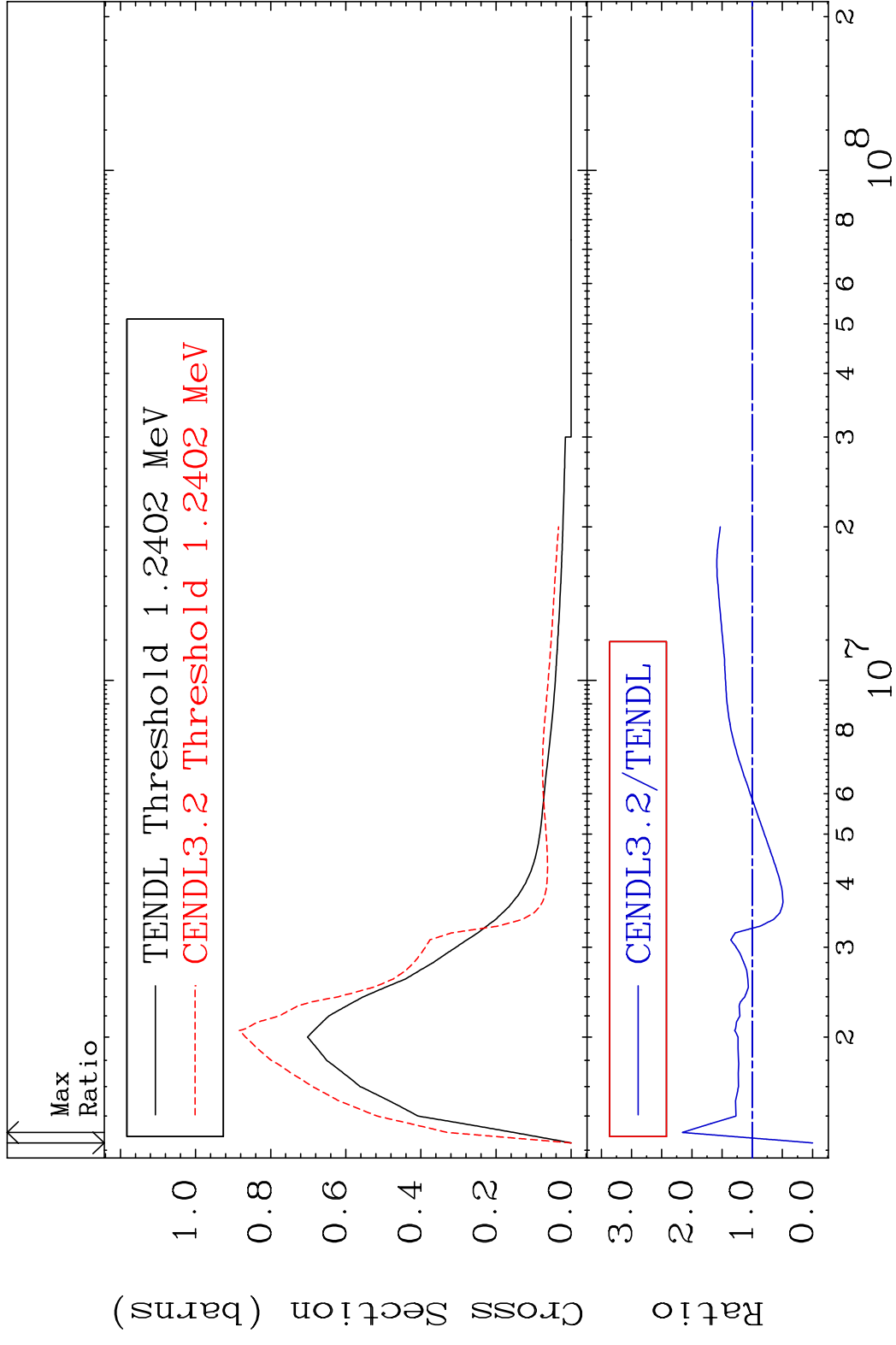
MAT 5043

(n, n') p 50-Sn-118
Cross Section -100.0 To -26.57%

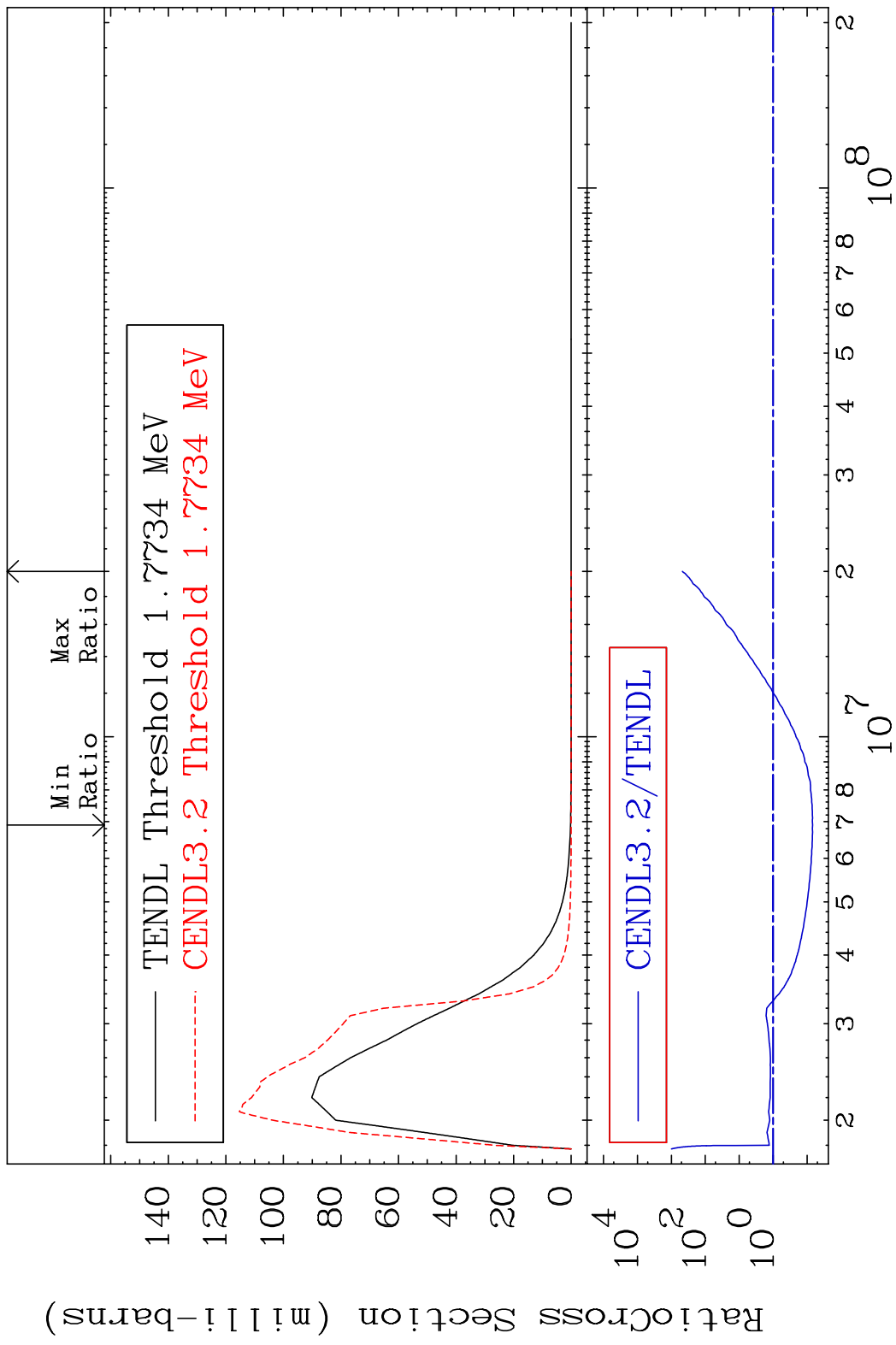


7 Incident Energy (eV) 50-Sn-118

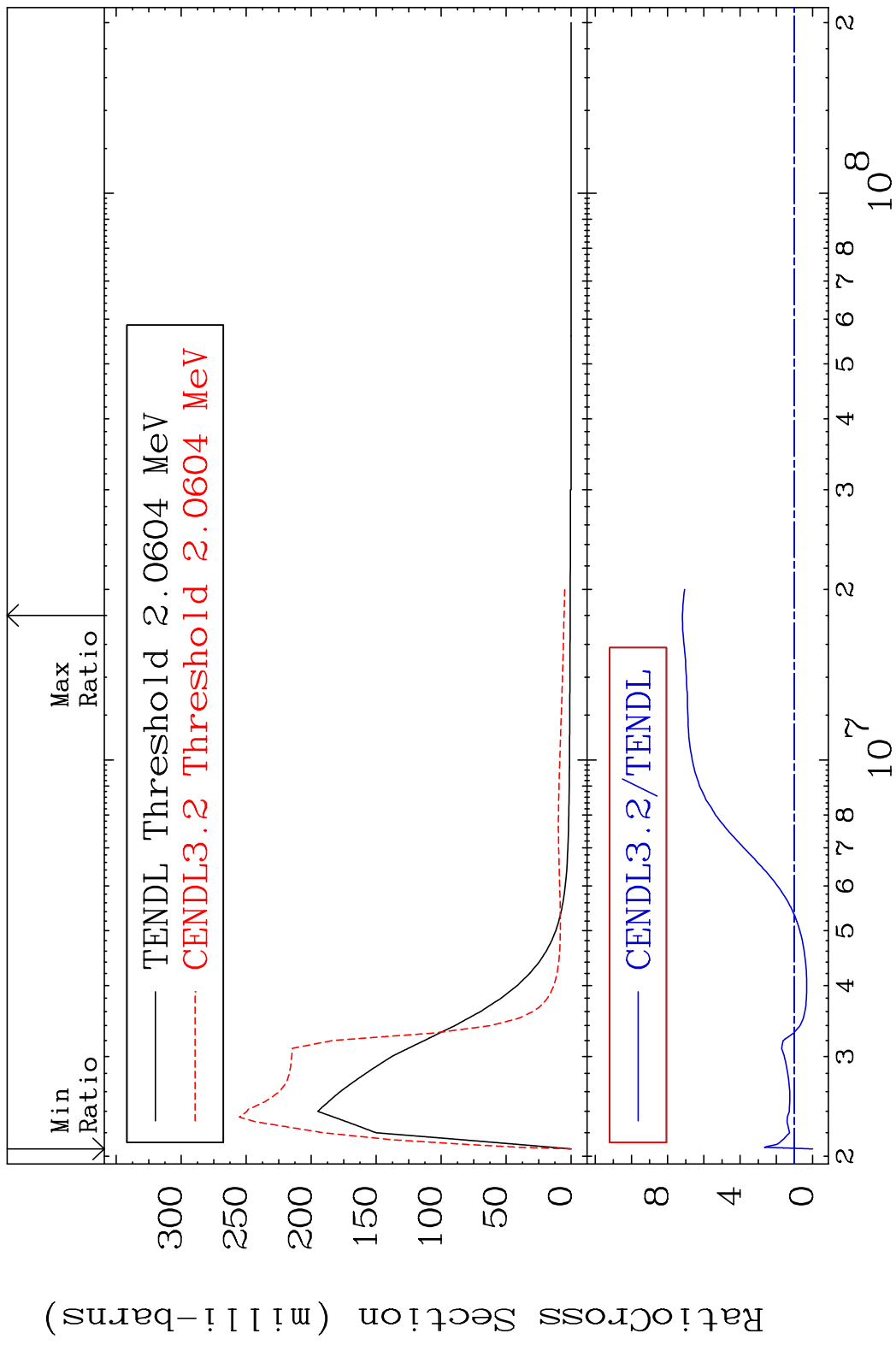
MAT 5043 MT= 51 (n, n') Level 50-Sn-118
 Cross Section -100.0 To 115.8 %



MAT 5043 MT= 52 (n, n') Level 50-Sn-118
 Cross Section -93.09 To 9999. %

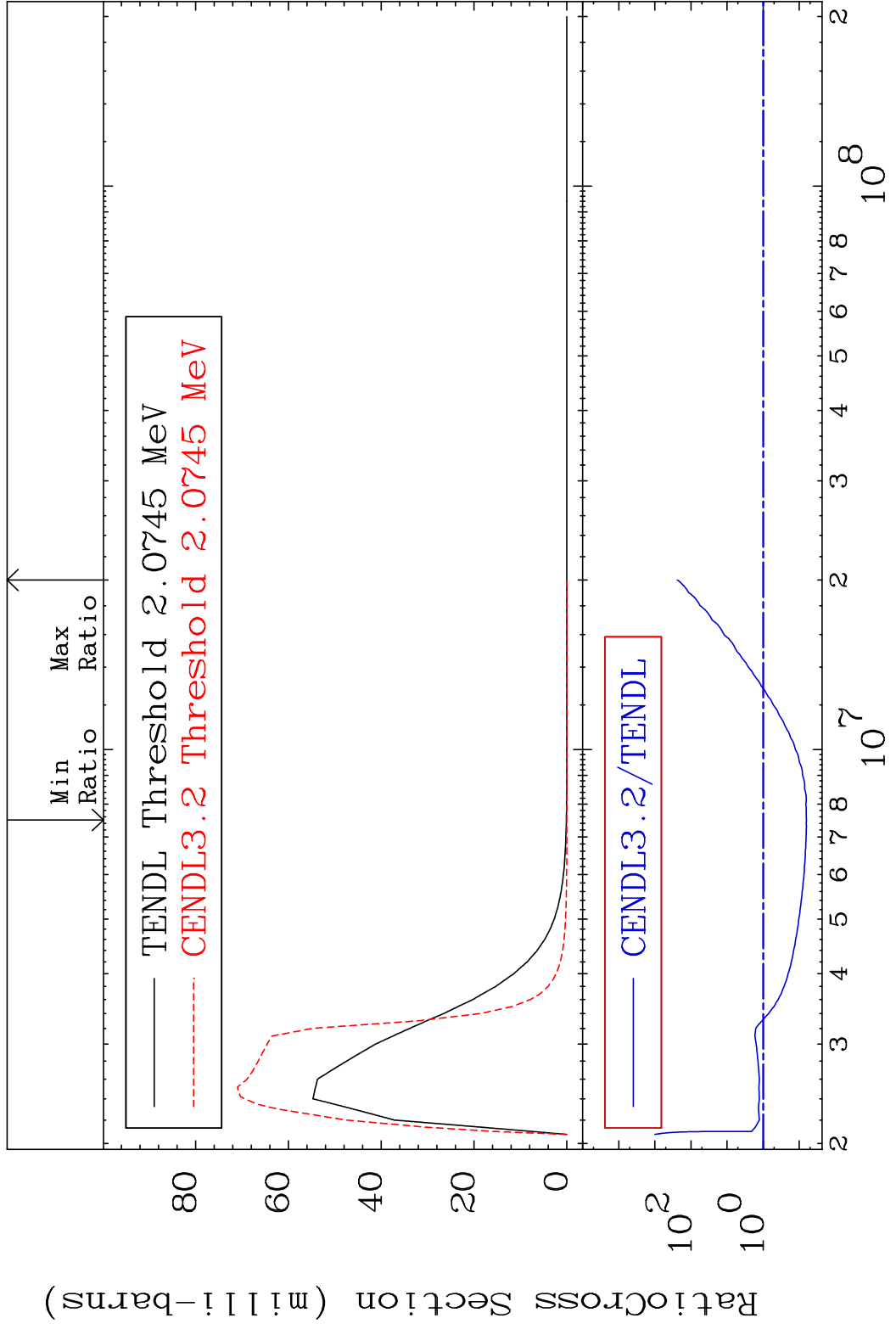


MAT 5043 MT= 53 (n, n') Level 50-Sn-118
 Cross Section -100.0 To 618.8 %

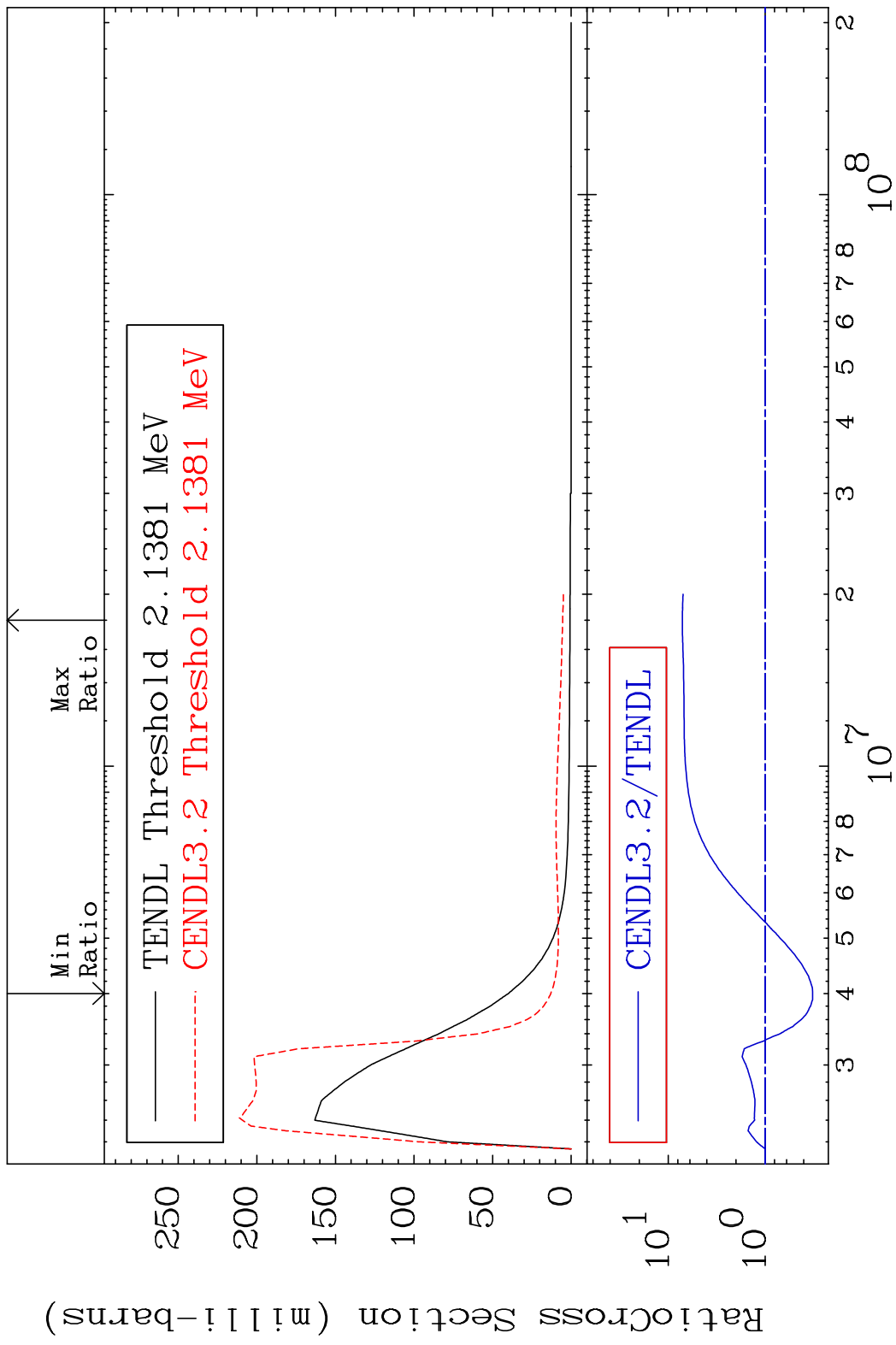


10 Incident Energy (eV) 50-Sn-118

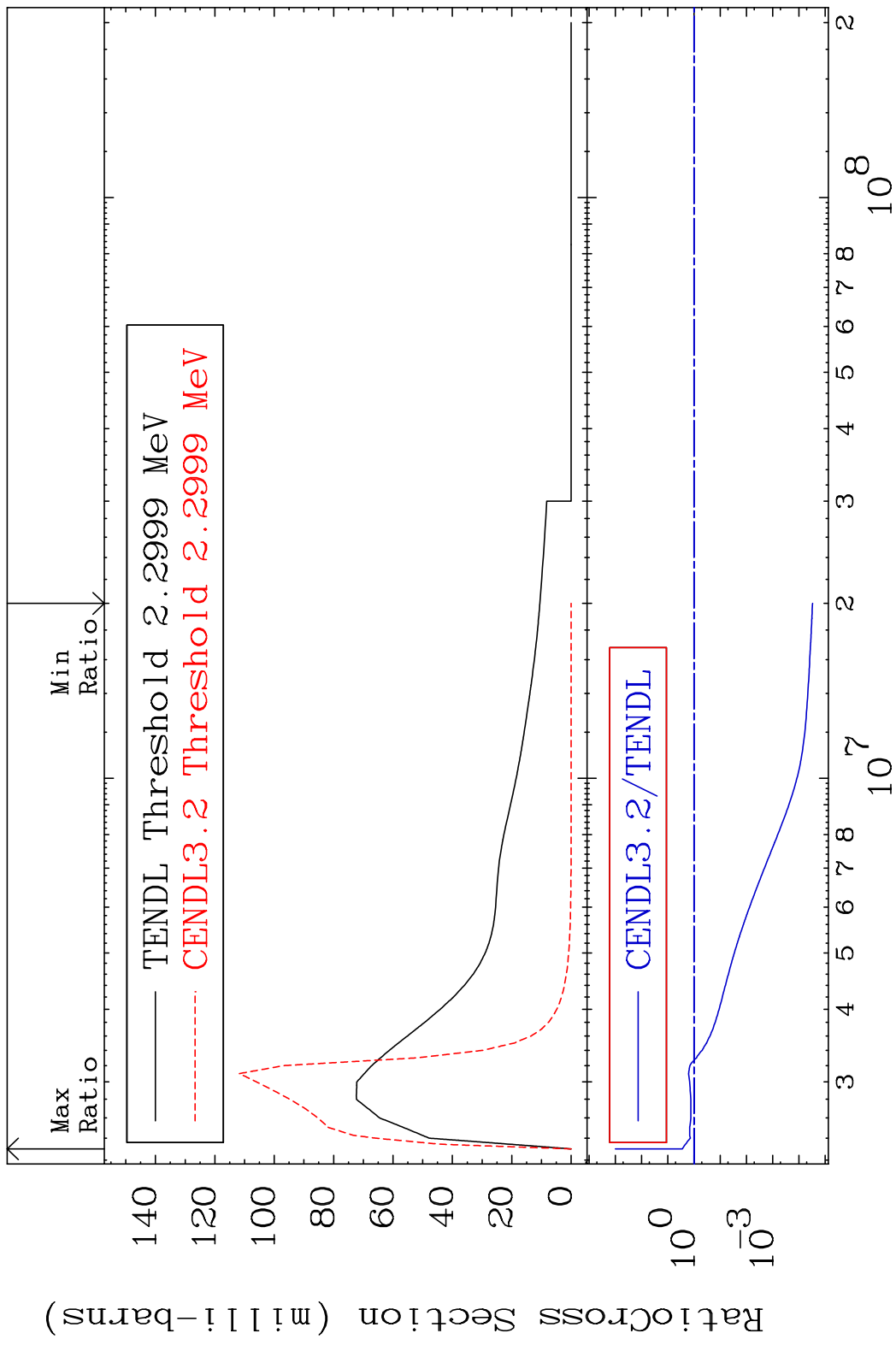
MAT 5043 MT= 54 (n, n') Level 50-Sn-118
 Cross Section -93.64 To 9999. %



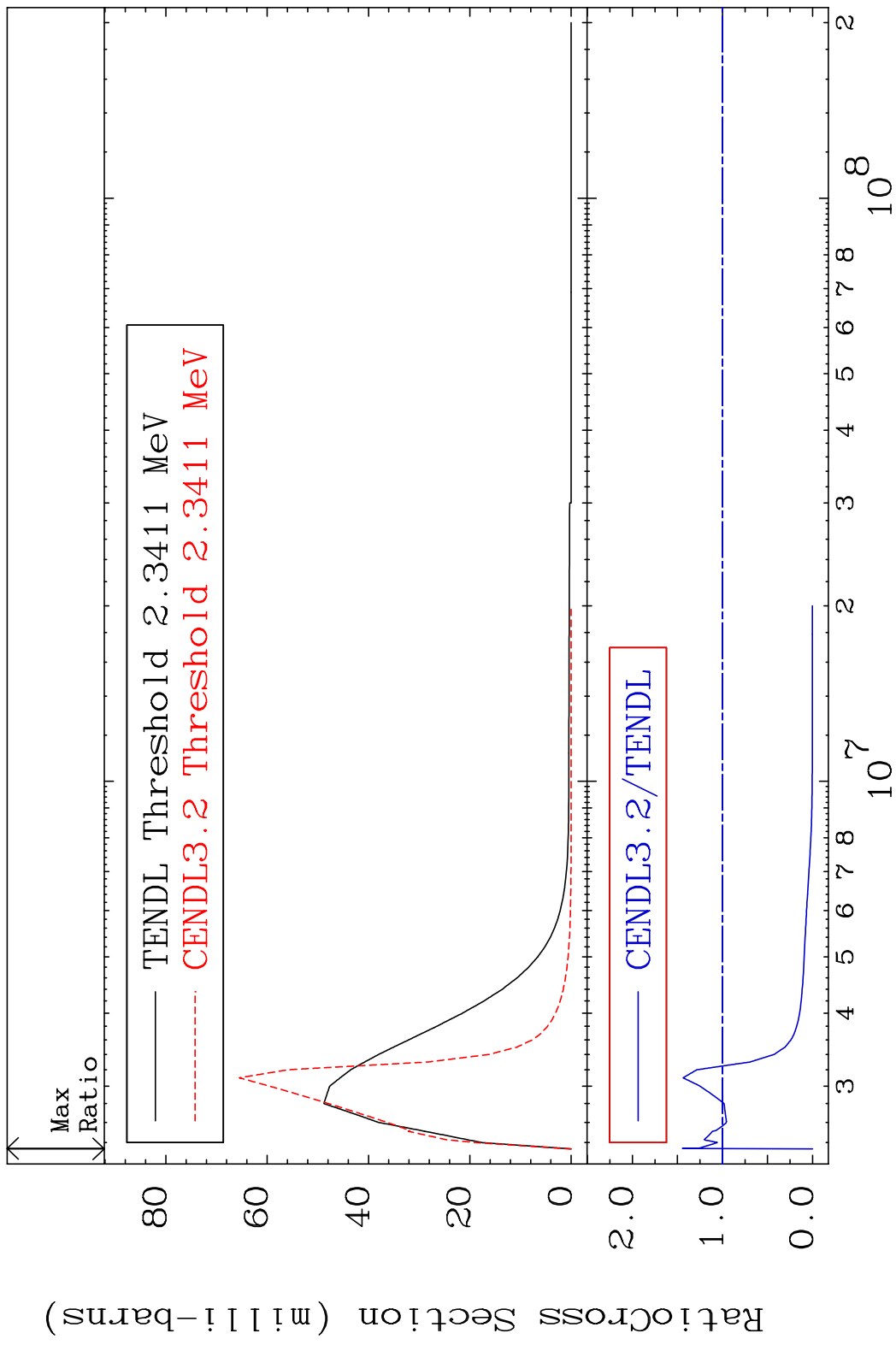
MAT 5043 MT= 55 (n, n') Level 50-Sn-118
 Cross Section -67.54 To 616.6 %



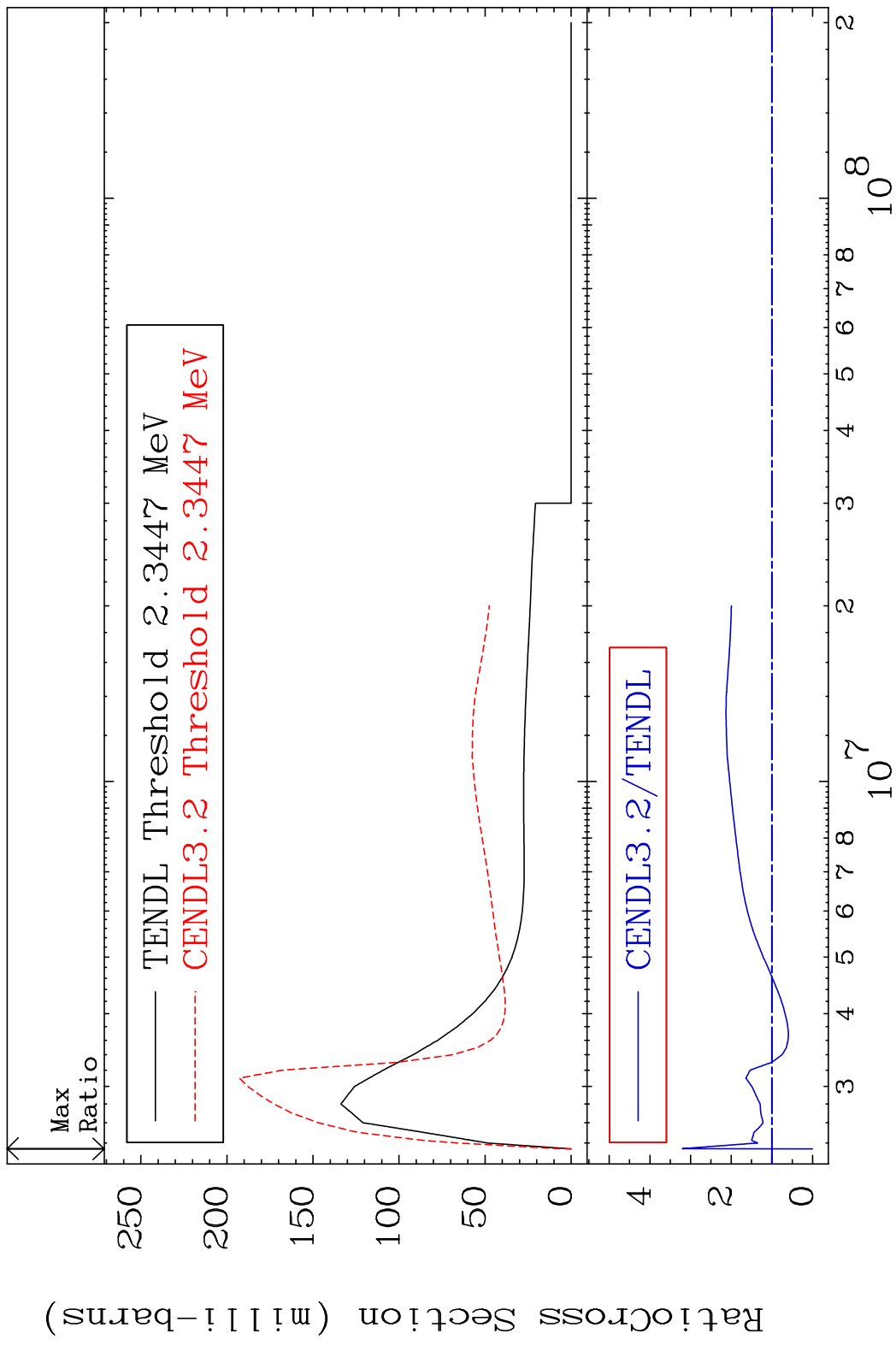
MAT 5043 MT= 56 (n,n') Level 50-Sn-118
 Cross Section -100.0 To 177.5 %



MAT 5043 MT= 57 (n,n') Level 50-Sn-118
 Cross Section -100.0 To 44.57 %

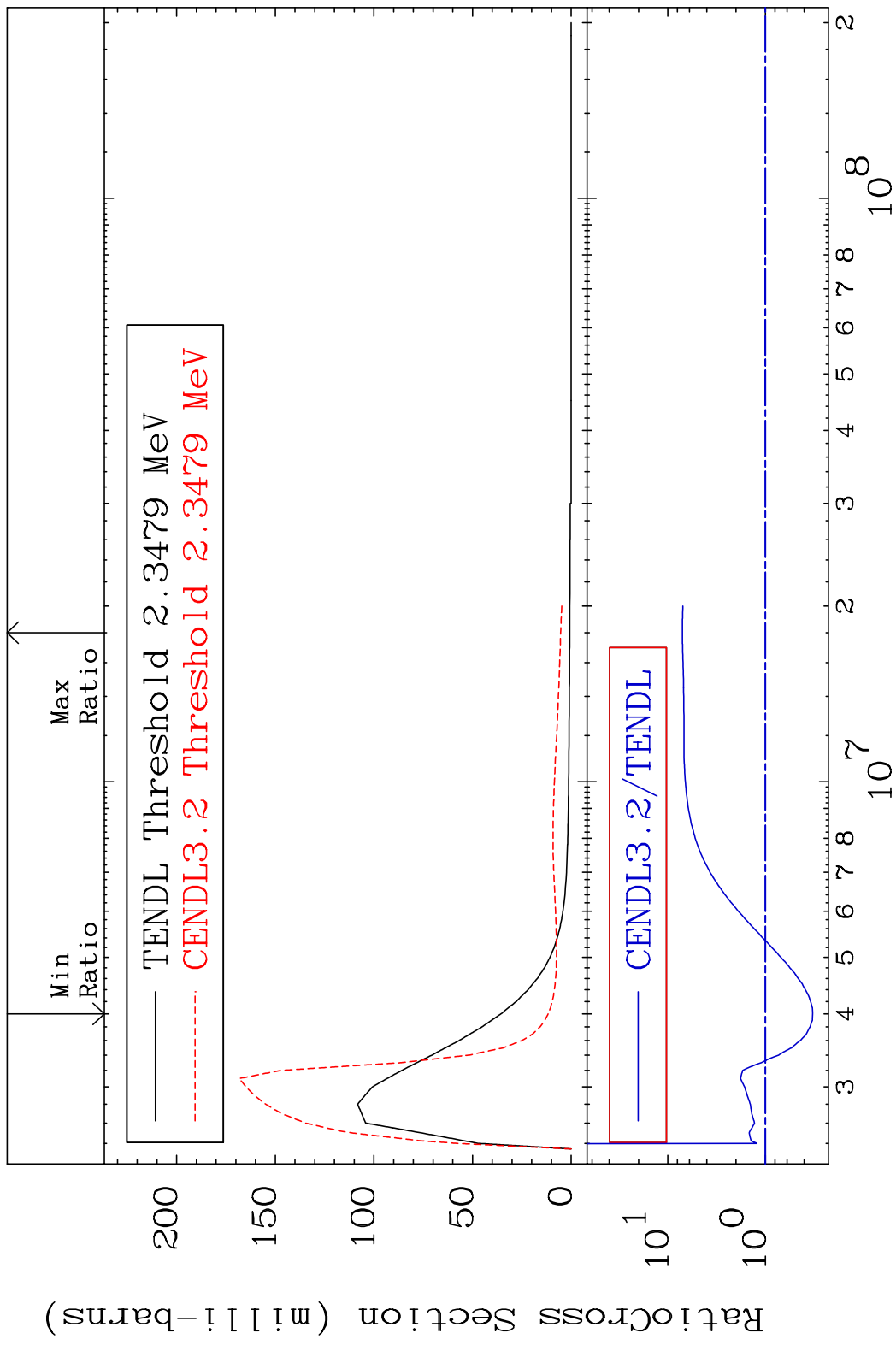


MAT 5043 MT= 58 (n,n') Level 50-Sn-118
 Cross Section -100.0 To 220.2 %

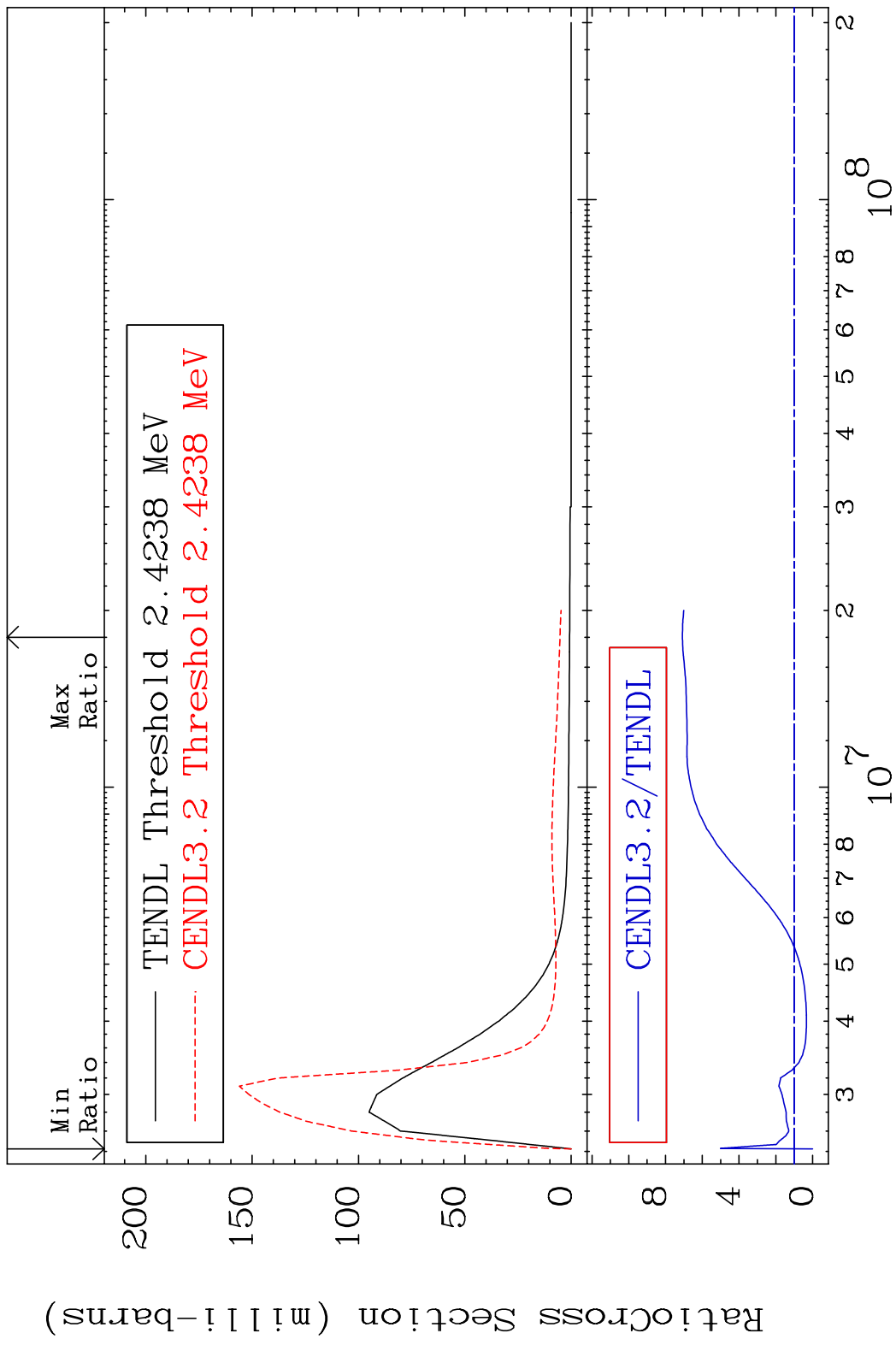


15 50-Sn-118

MAT 5043 MT= 59 (n, n') Level 50-Sn-118
 Cross Section -67.14 To 610.6 %

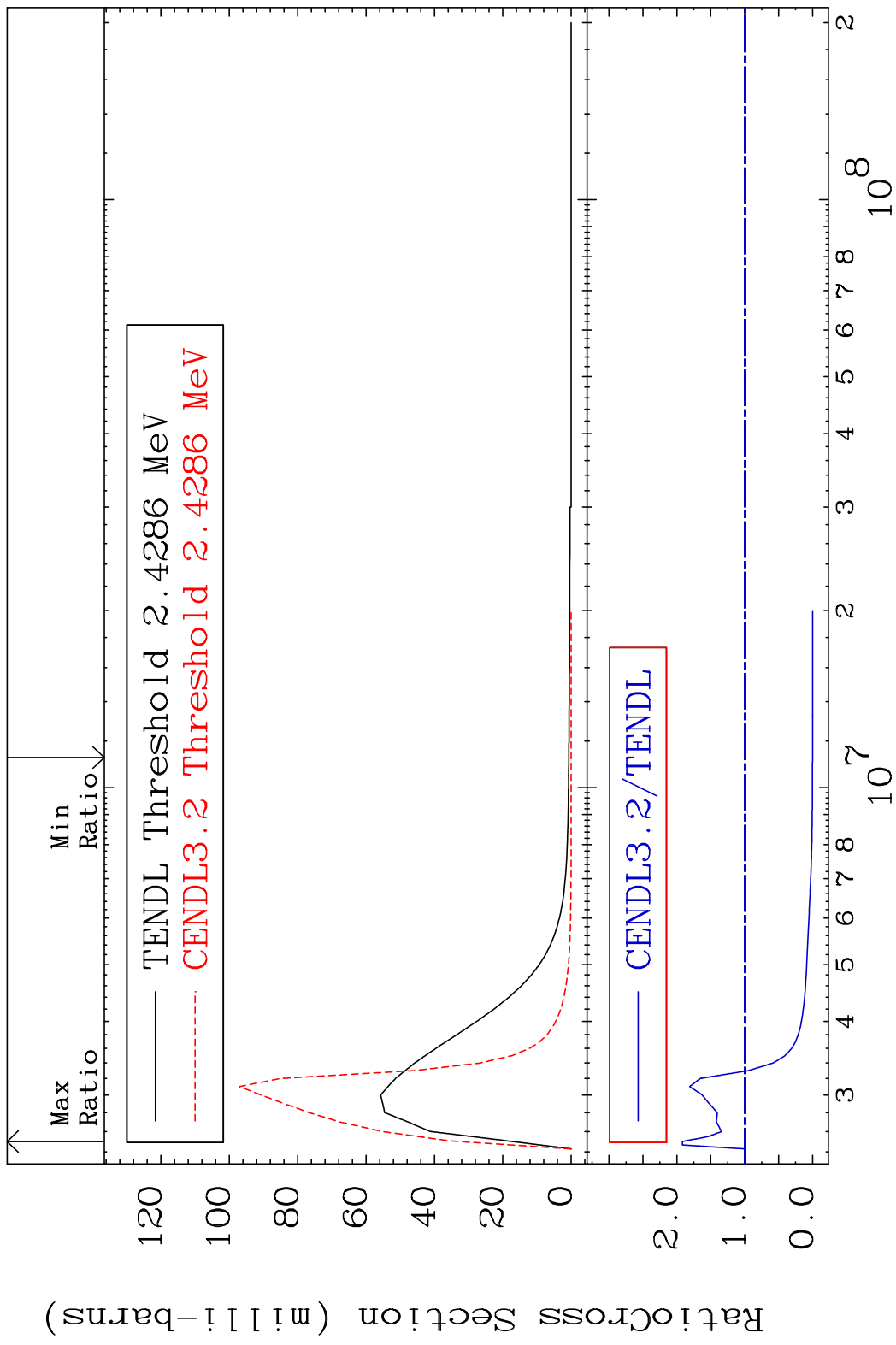


MAT 5043 MT= 60 (n, n') Level 50-Sn-118
 Cross Section -100.0 To 608.3 %

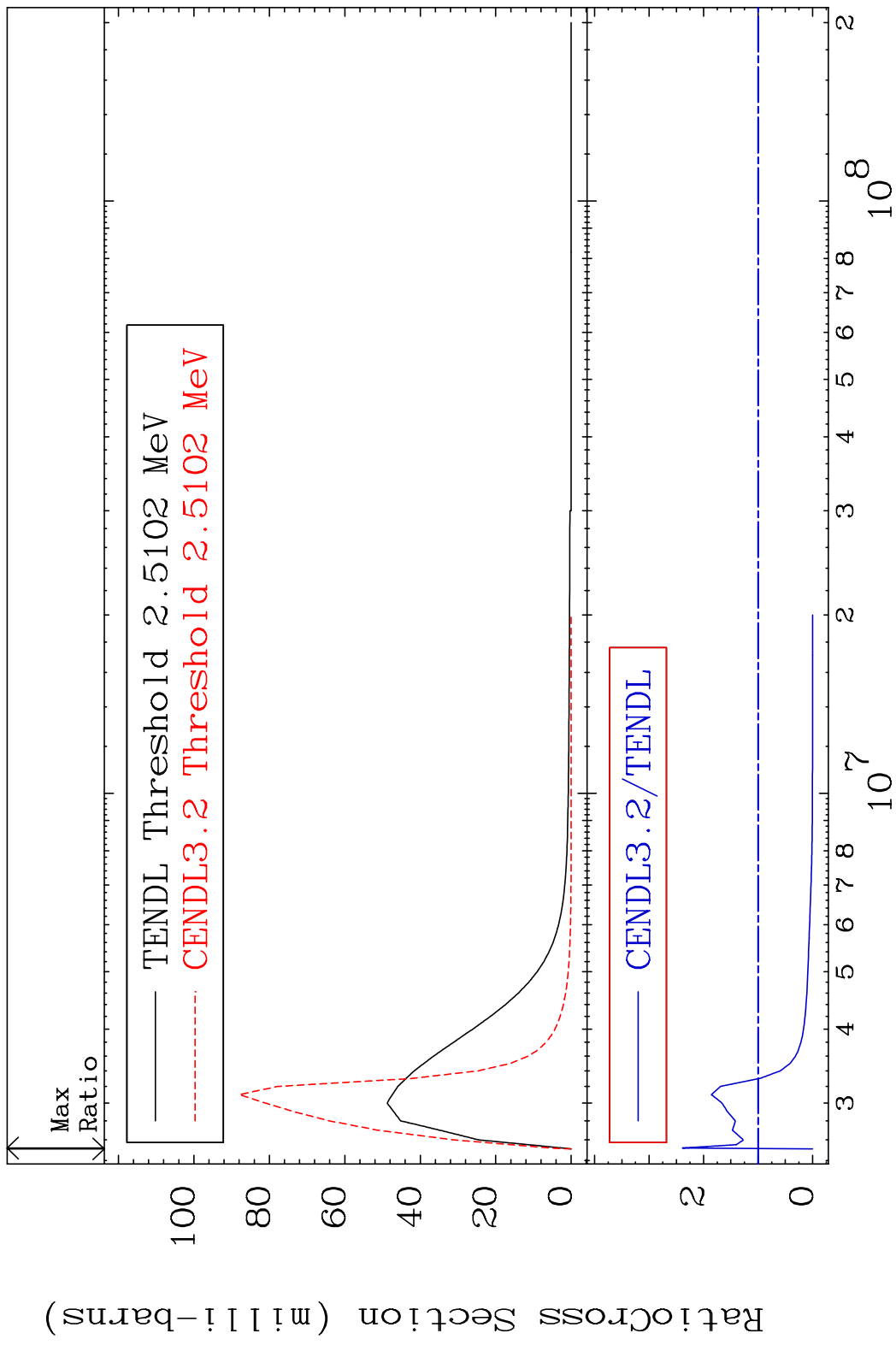


17 50-Sn-118

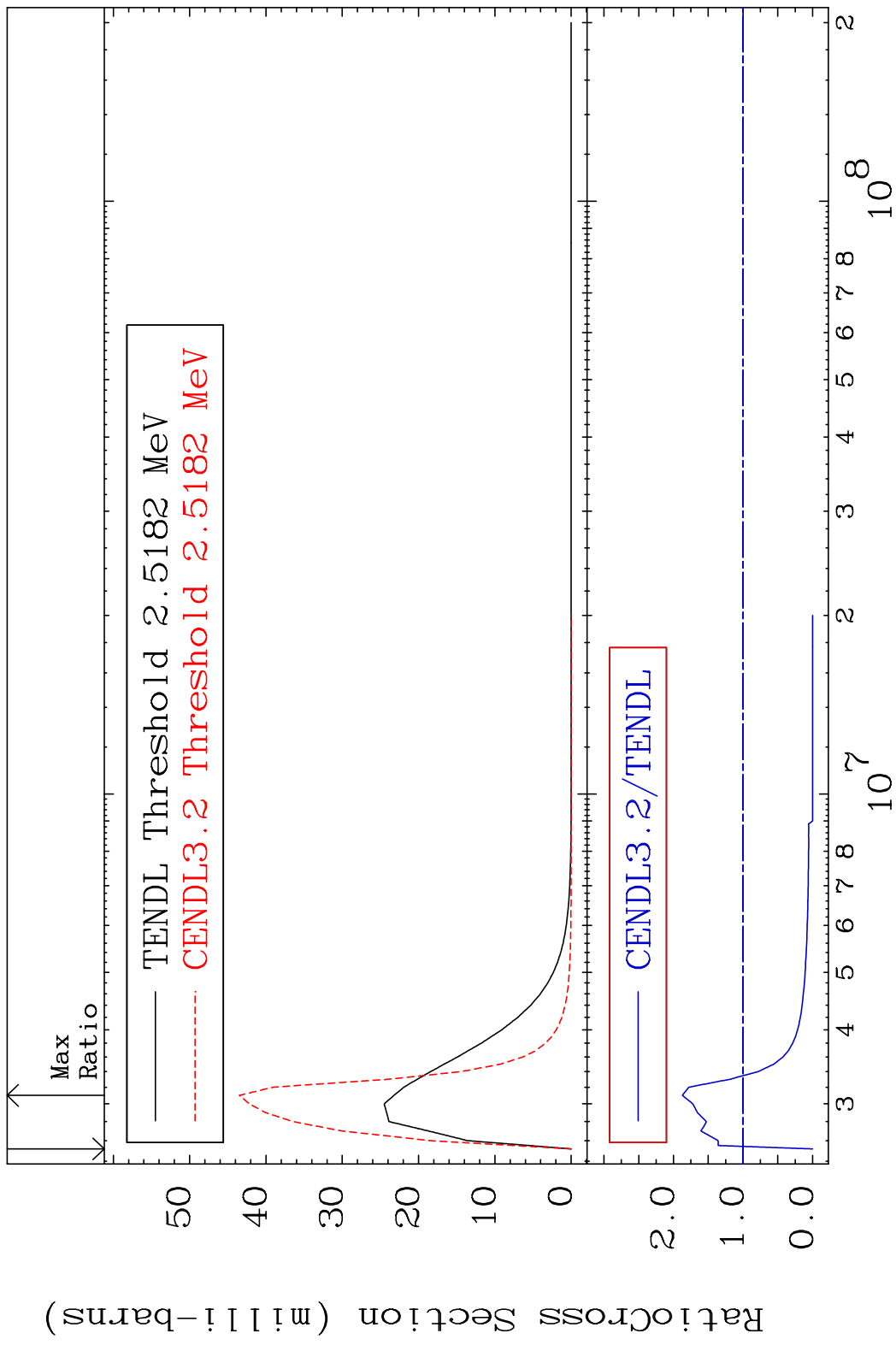
MAT 5043 MT= 61 (n, n') Level 50-Sn-118
 Cross Section -100.0 To 91.89 %



MAT 5043 MT= 62 (n, n') Level 50-Sn-118
 Cross Section -100.0 To 139.0 %

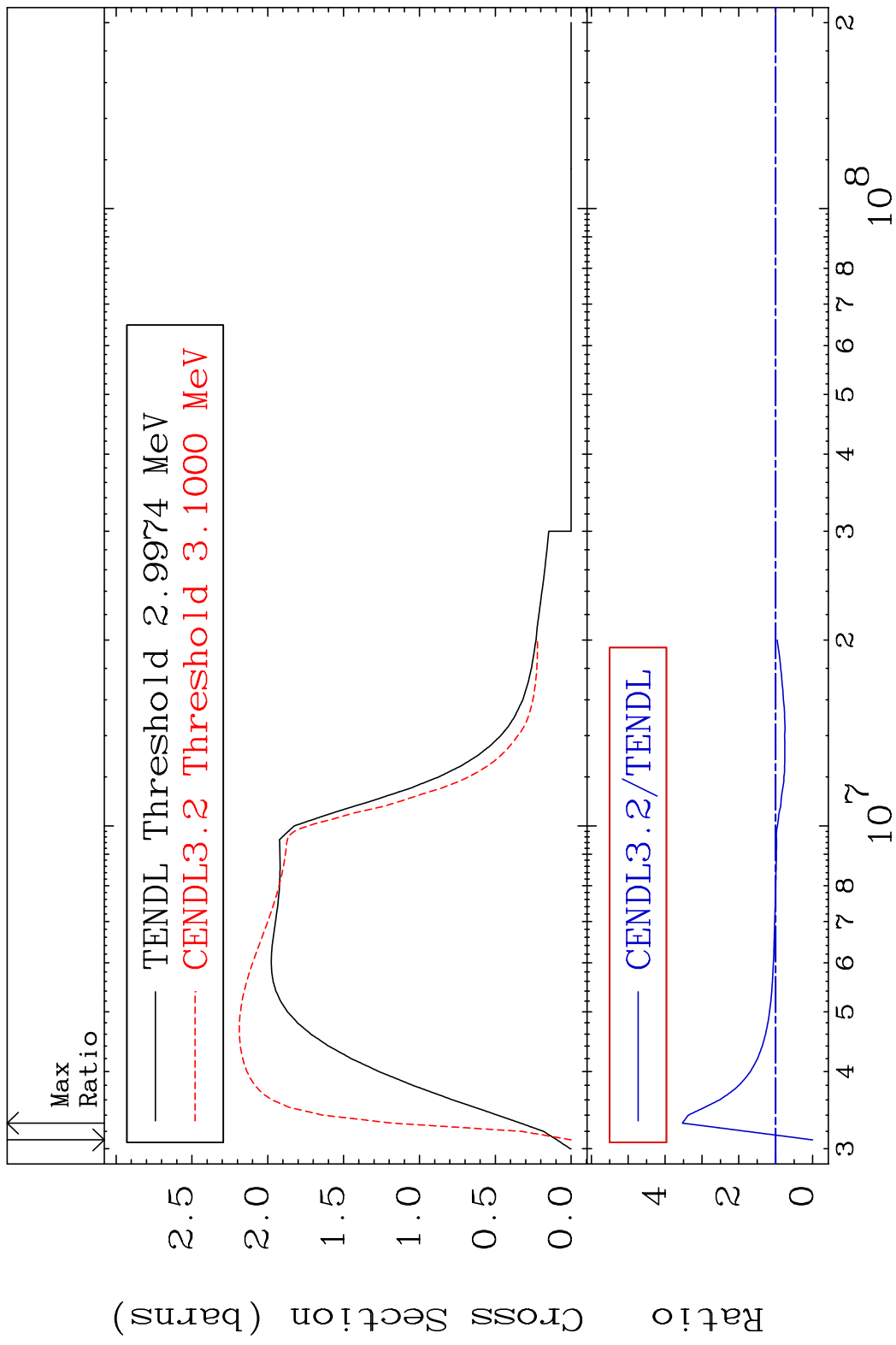


MAT 5043 MT= 63 (n, n') Level 50-Sn-118
 Cross Section -100.0 To 87.27 %



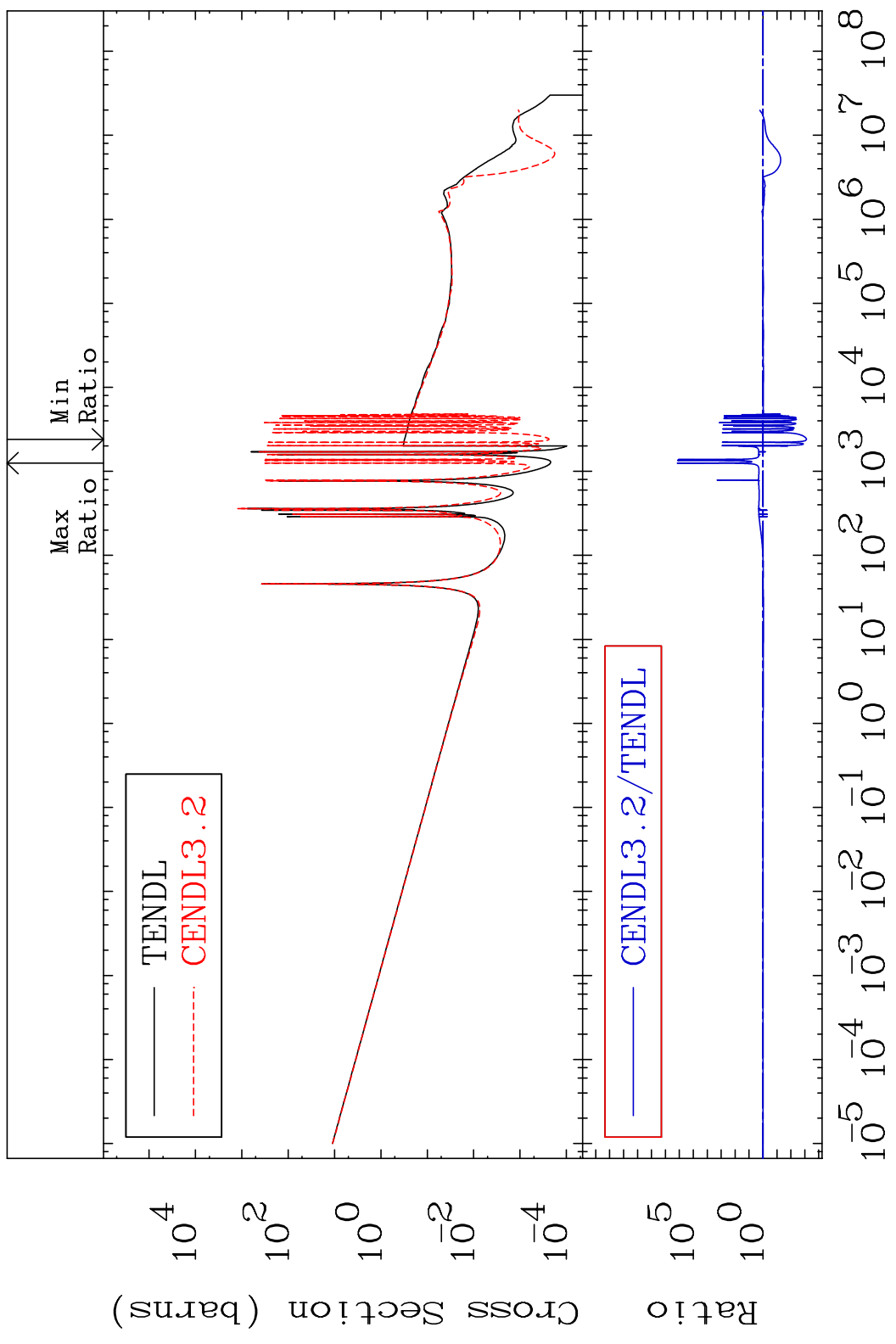
20 Incident Energy (eV) 50-Sn-118

MAT 5043 (n,n') Continuum 50-Sn-118
 Cross Section -100.0 To 253.1 %

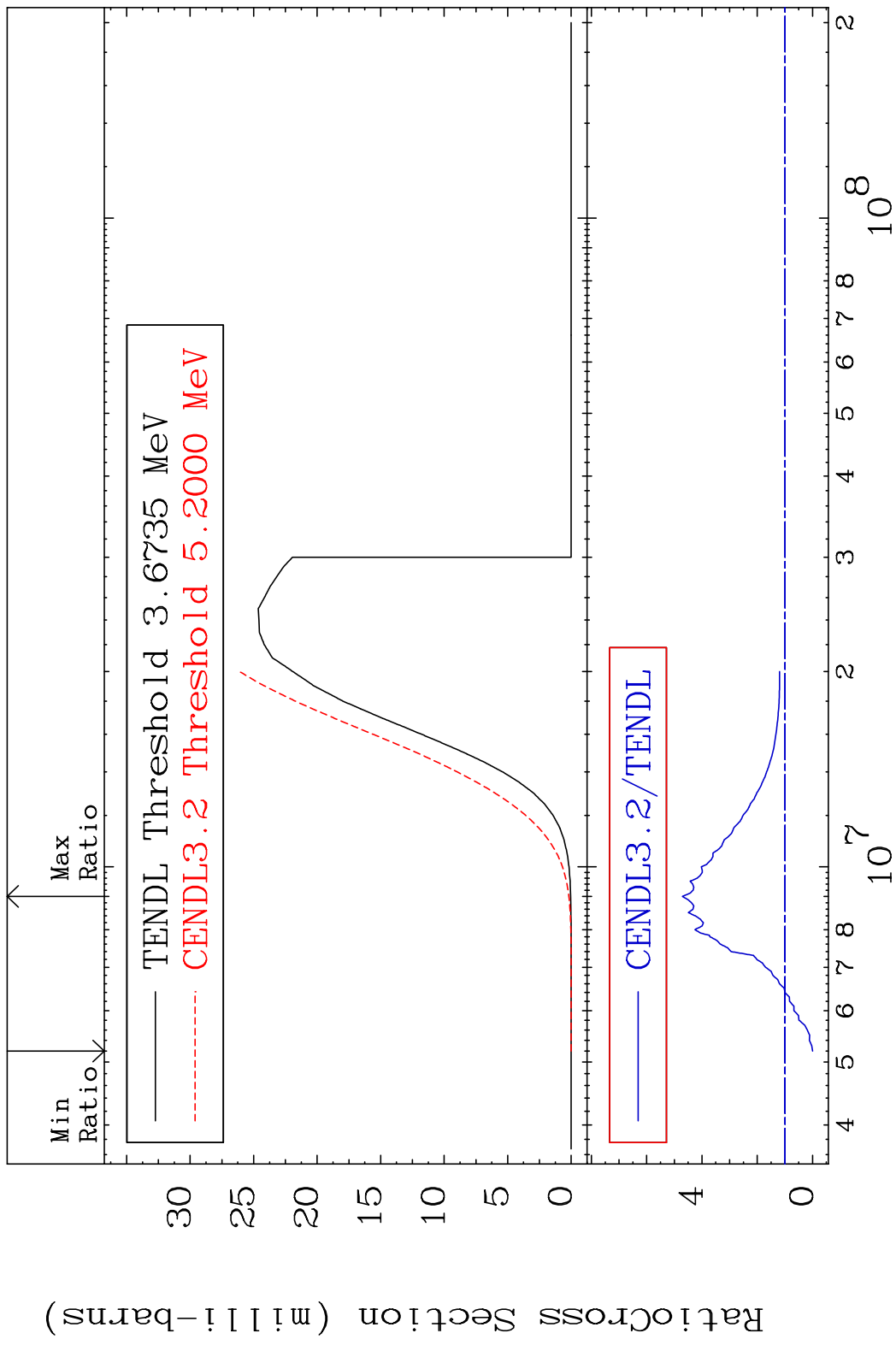


MAT 5043

(n, γ)
Cross Section -99.92 To 9999. %
50-Sn-118



MAT 5043 (n,p) 50-Sn-118
 Cross Section -100.0 To 371.0 %

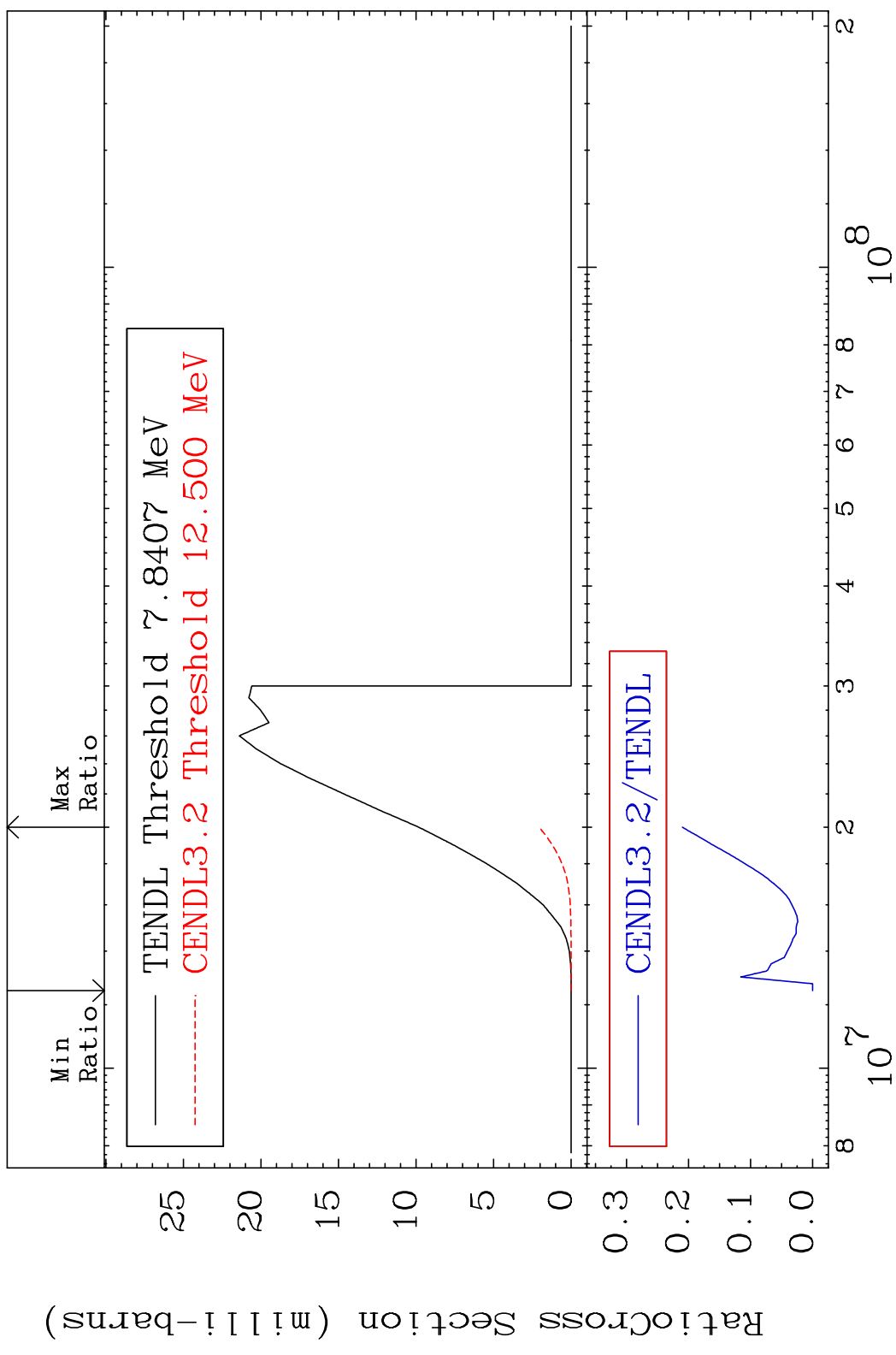


MAT 5043

(n,d)

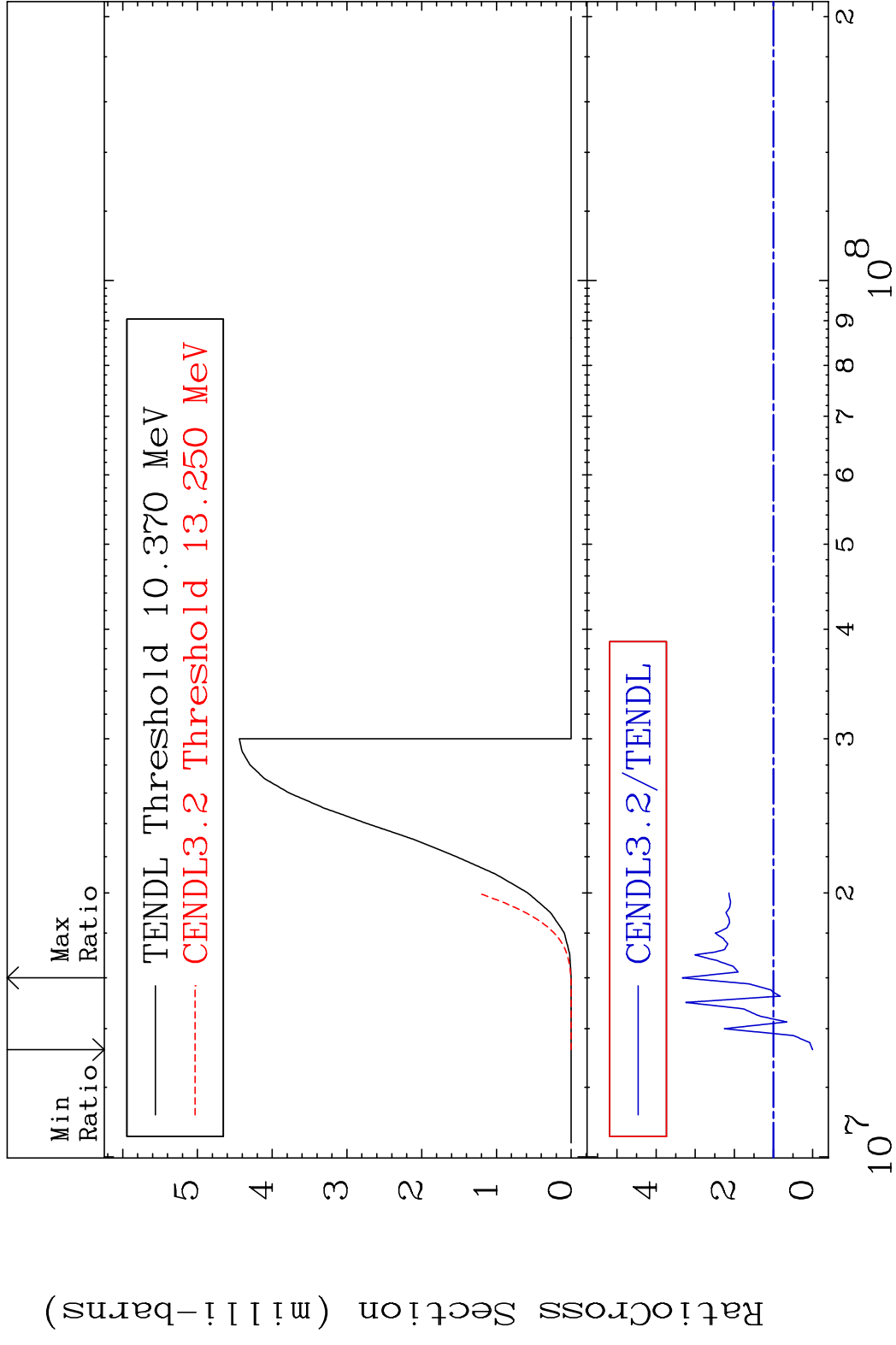
50-Sn-118

Cross Section -100.0 To -79.01%



MAT 5043

(n, t) 50-Sn-118
Cross Section -100.0 To 233.0 %



25

Incident Energy (eV)

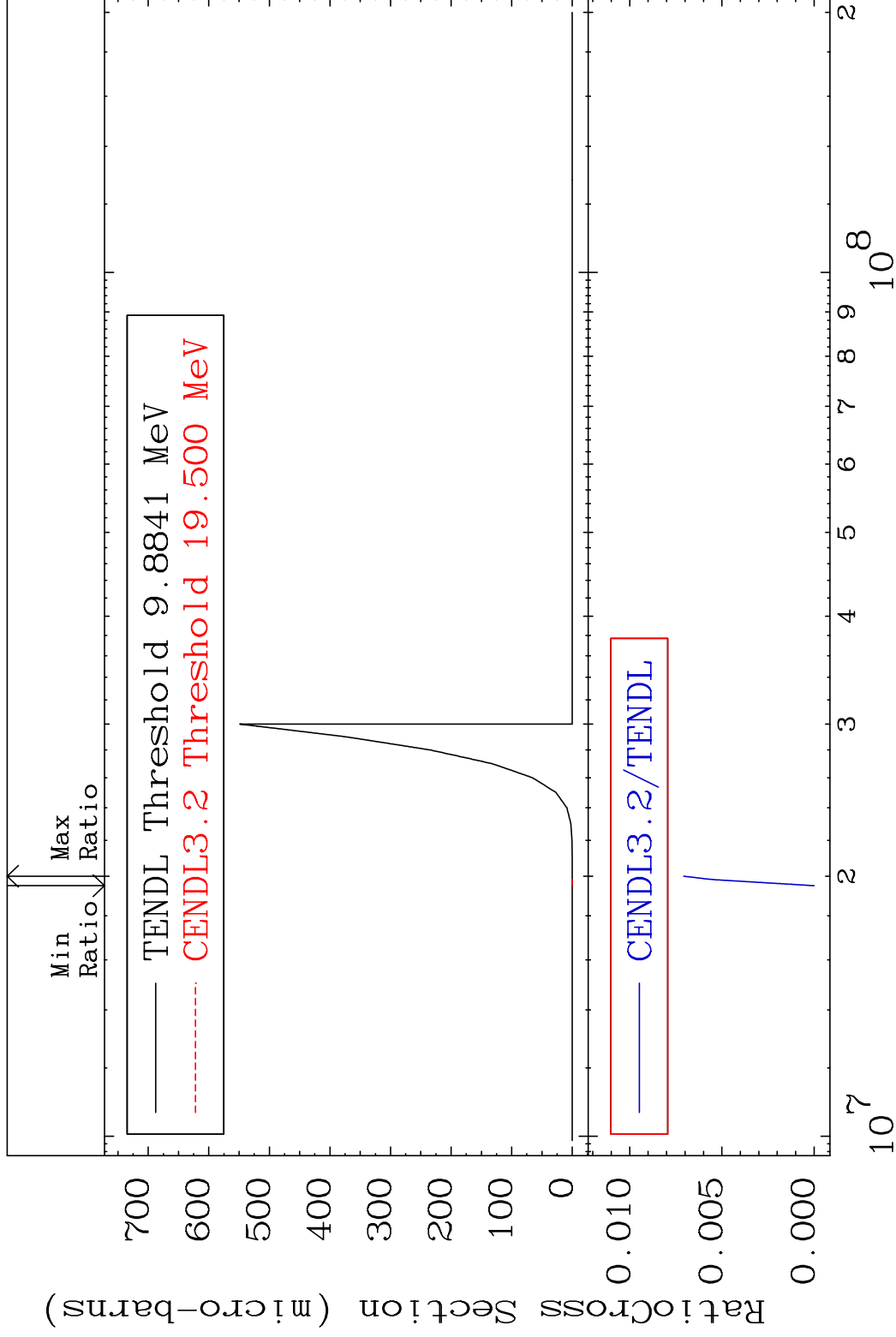
50-Sn-118

MAT 5043

(n, He-3)

50-Sn-118

Cross Section -100.0 To -99.29%



26

Incident Energy (eV)

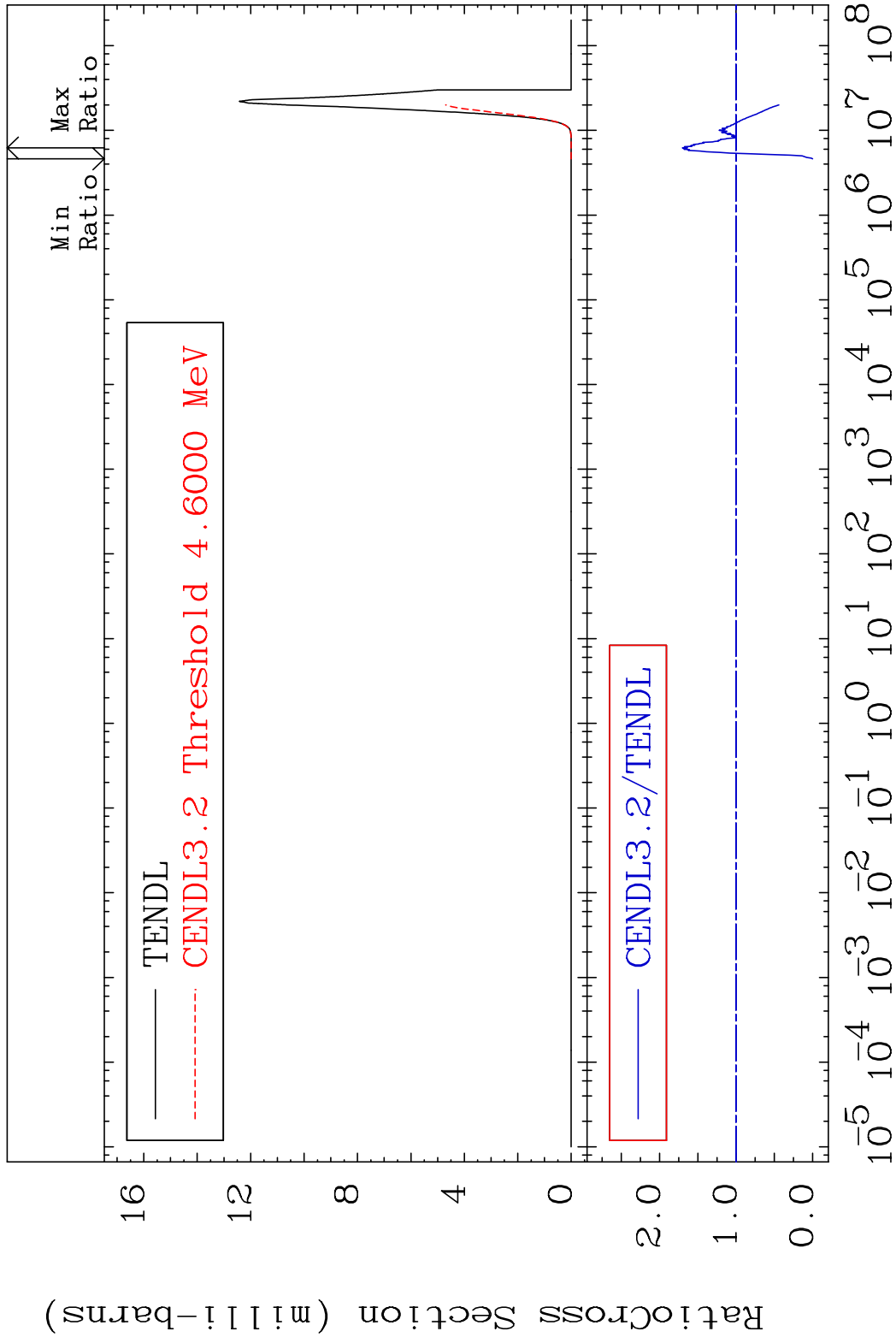
50-Sn-118

MAT 5043

(n, α)

50-Sn-118

Cross Section -100.0 To 70.23 %



27

Incident Energy (eV)

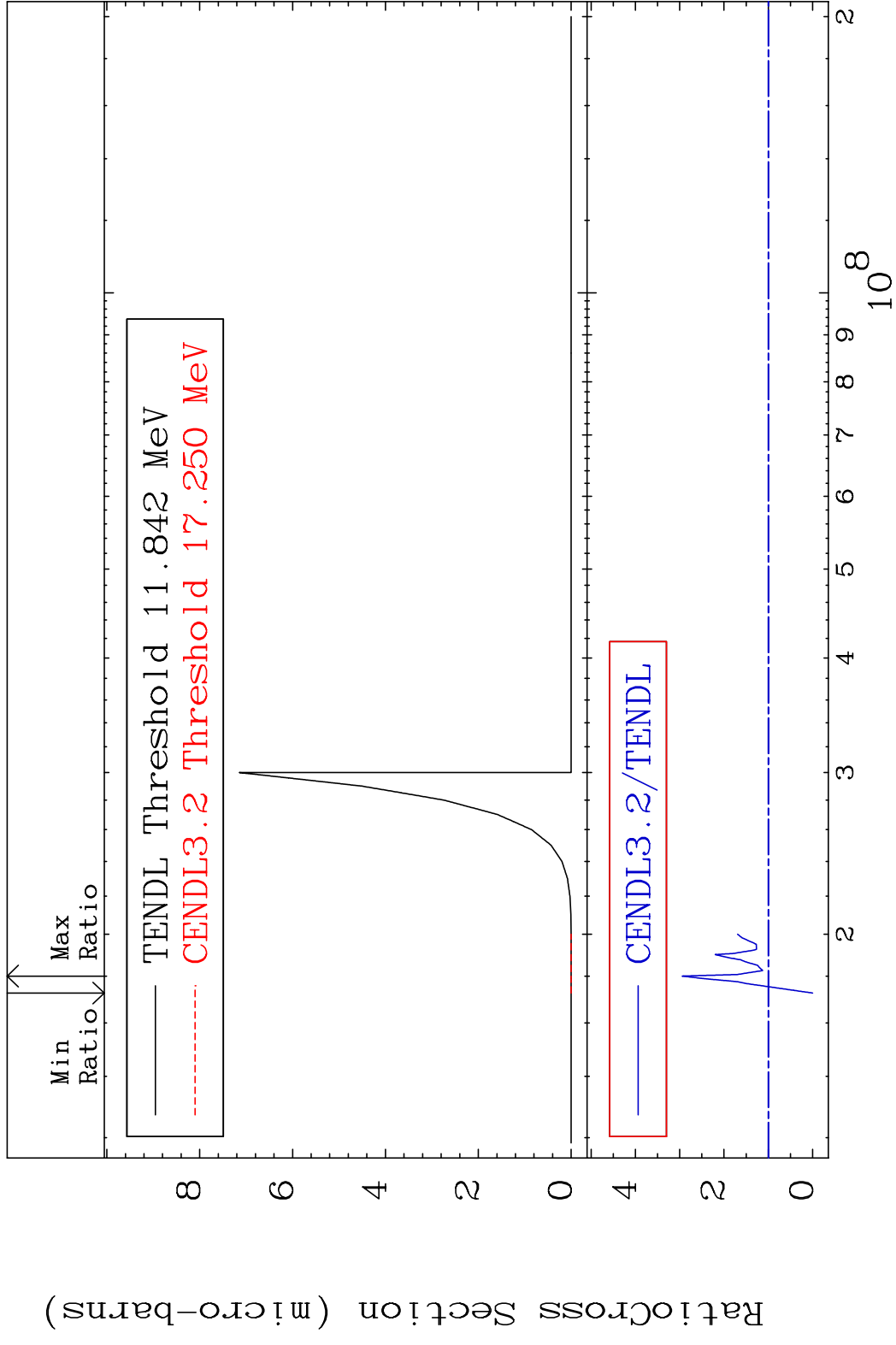
50-Sn-118

MAT 5043

(n,2p)

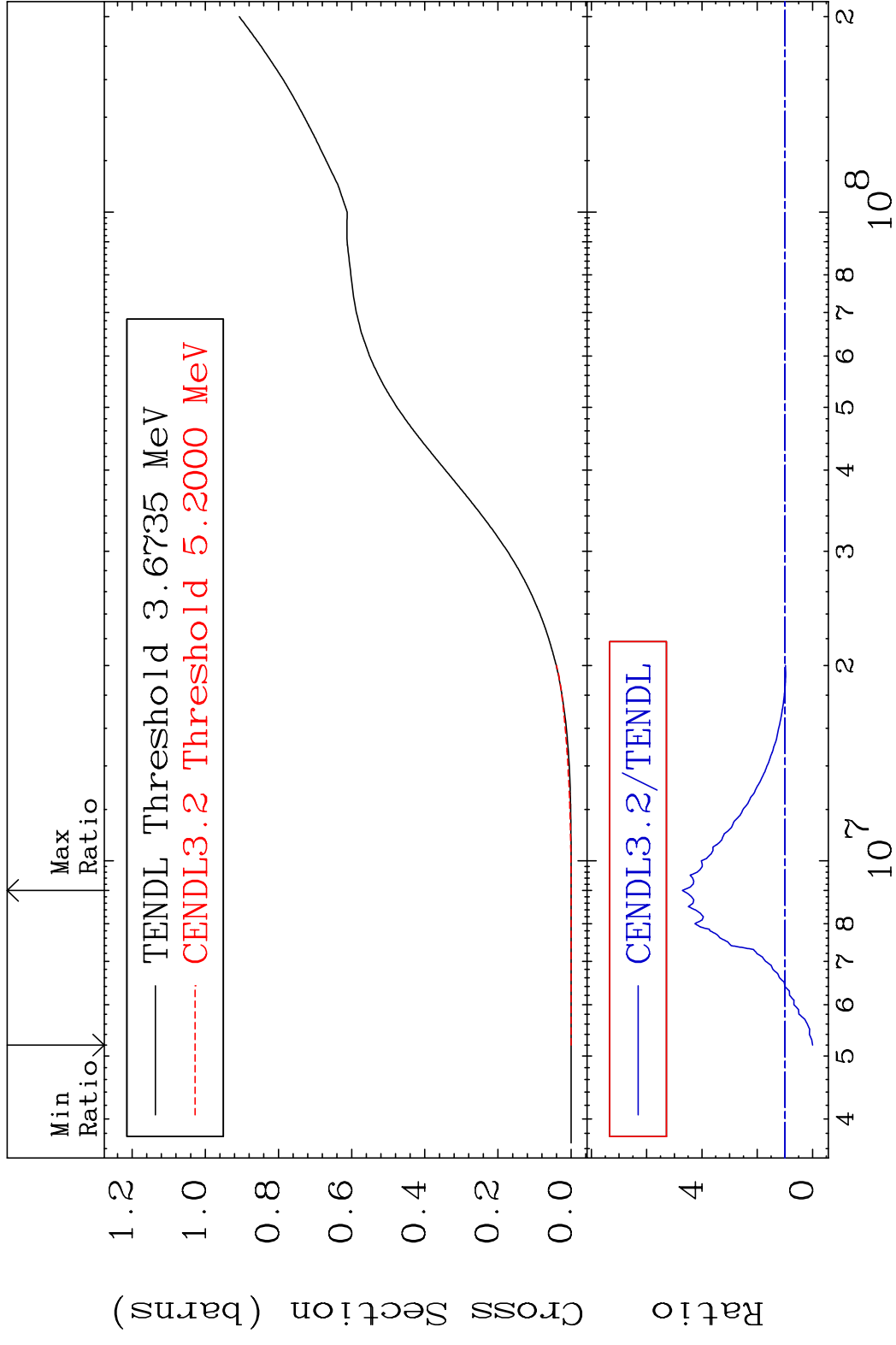
50-Sn-118

Cross Section -100.0 To 194.1 %

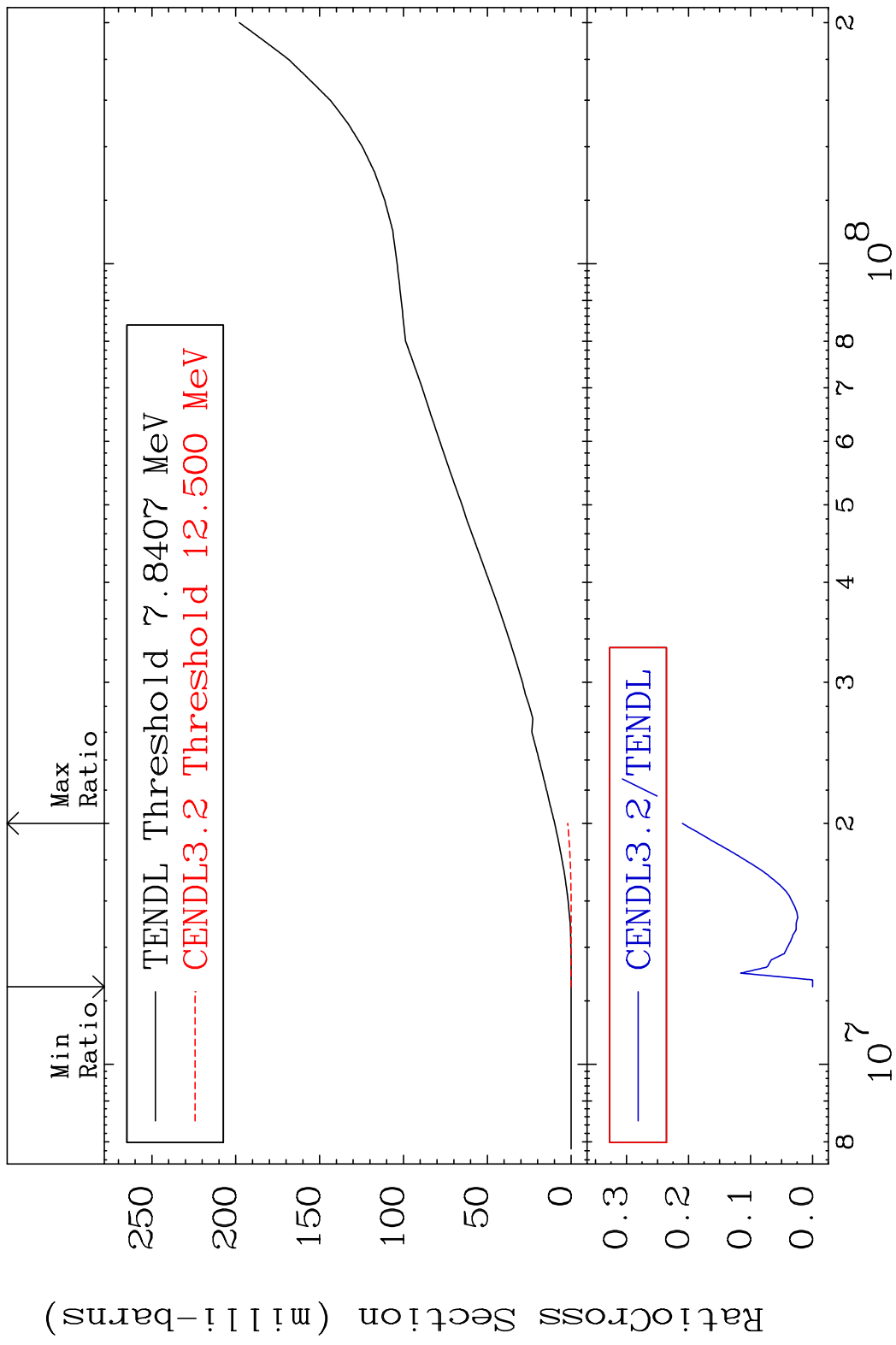


MAT 5043

Hydrogen Production 50-Sn-118
Cross Section -100.0 To 371.0 %



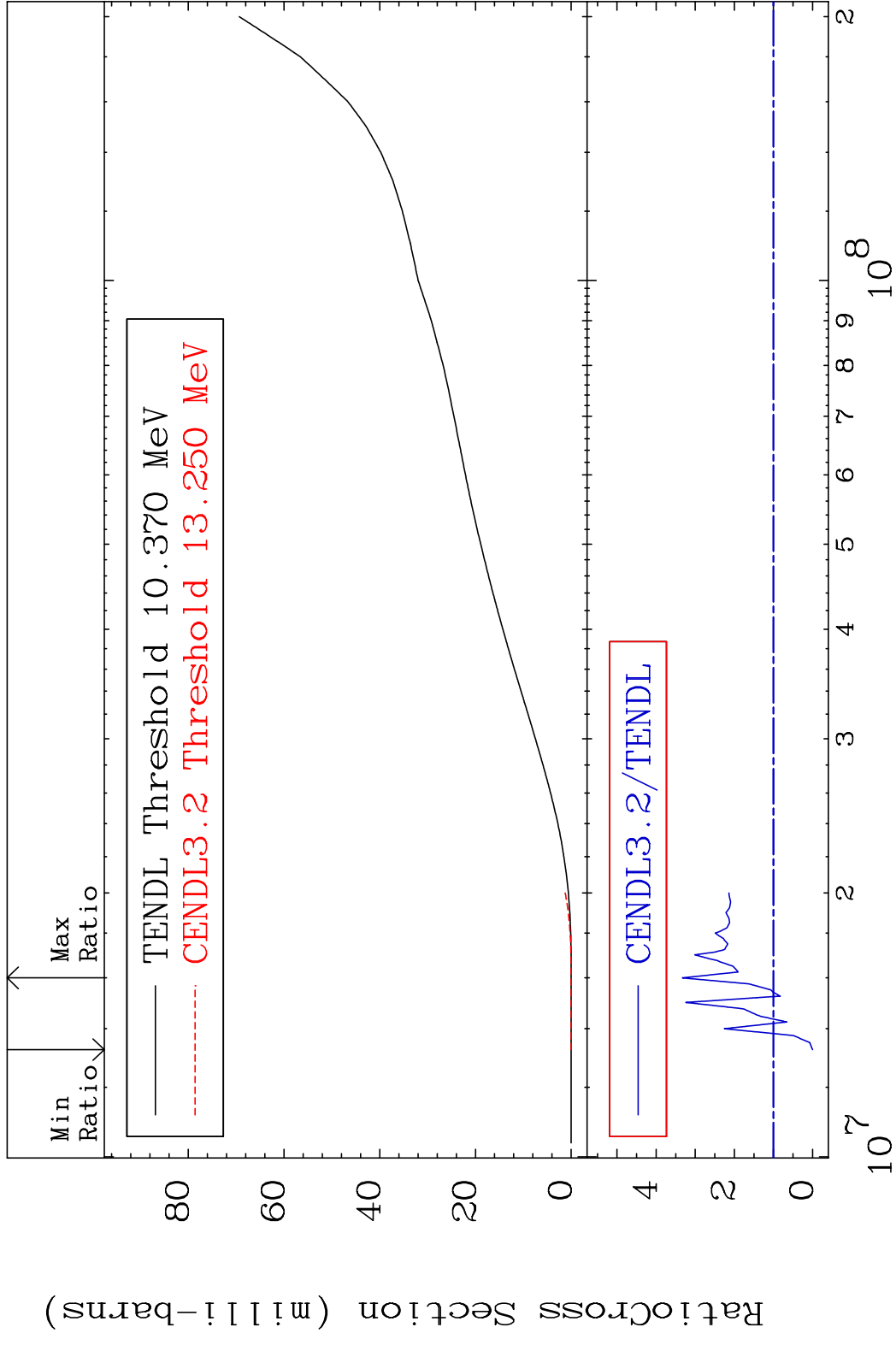
MAT 5043 Deuterium Production 50-Sn-118
 Cross Section -100.0 To -79.01%



30 50-Sn-118

MAT 5043

Tritium Production 50-Sn-118
Cross Section -100.0 To 233.0 %

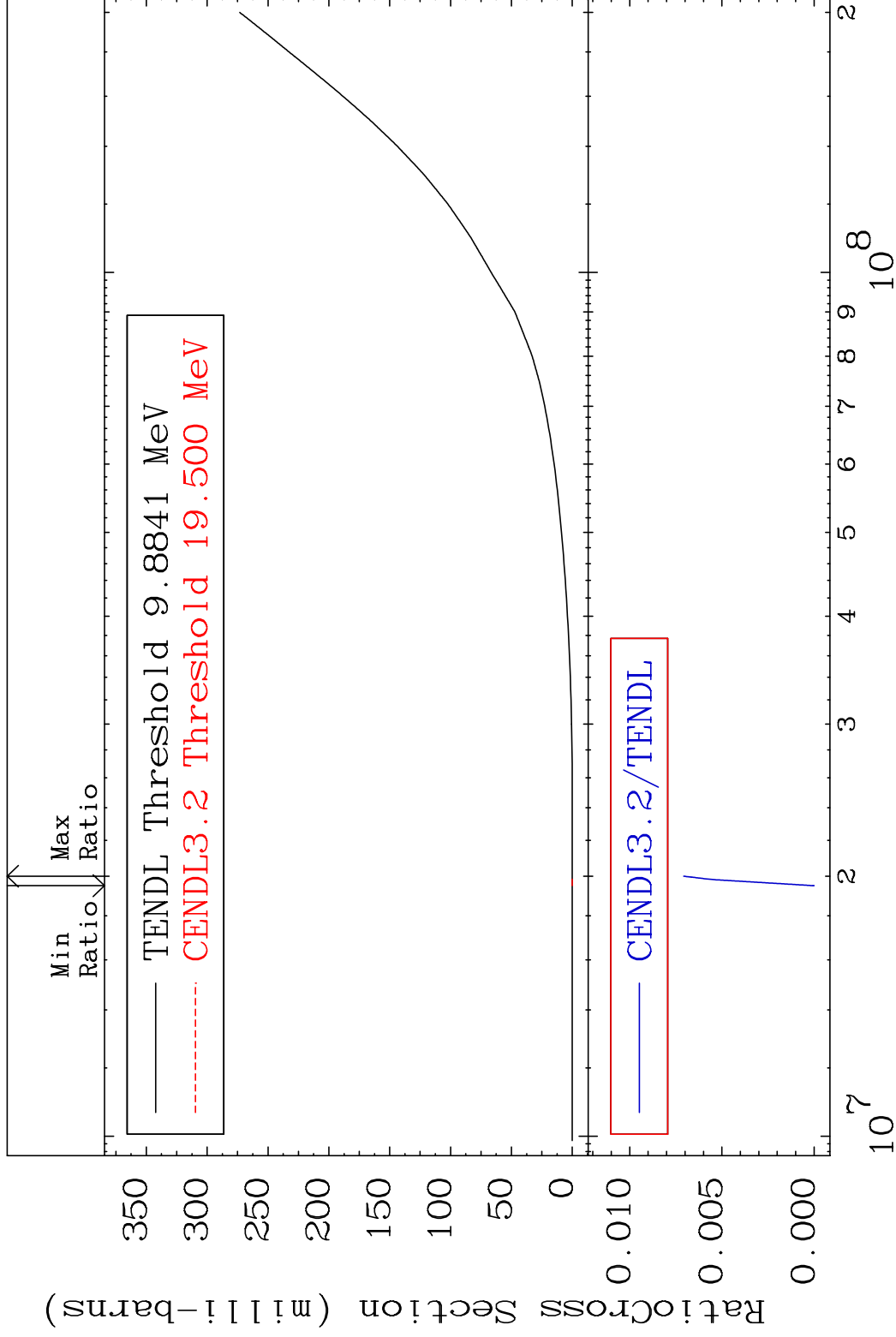


MAT 5043

He-3 Production

50-Sn-118

Cross Section -100.0 To -99.29%



32

Incident Energy (eV)

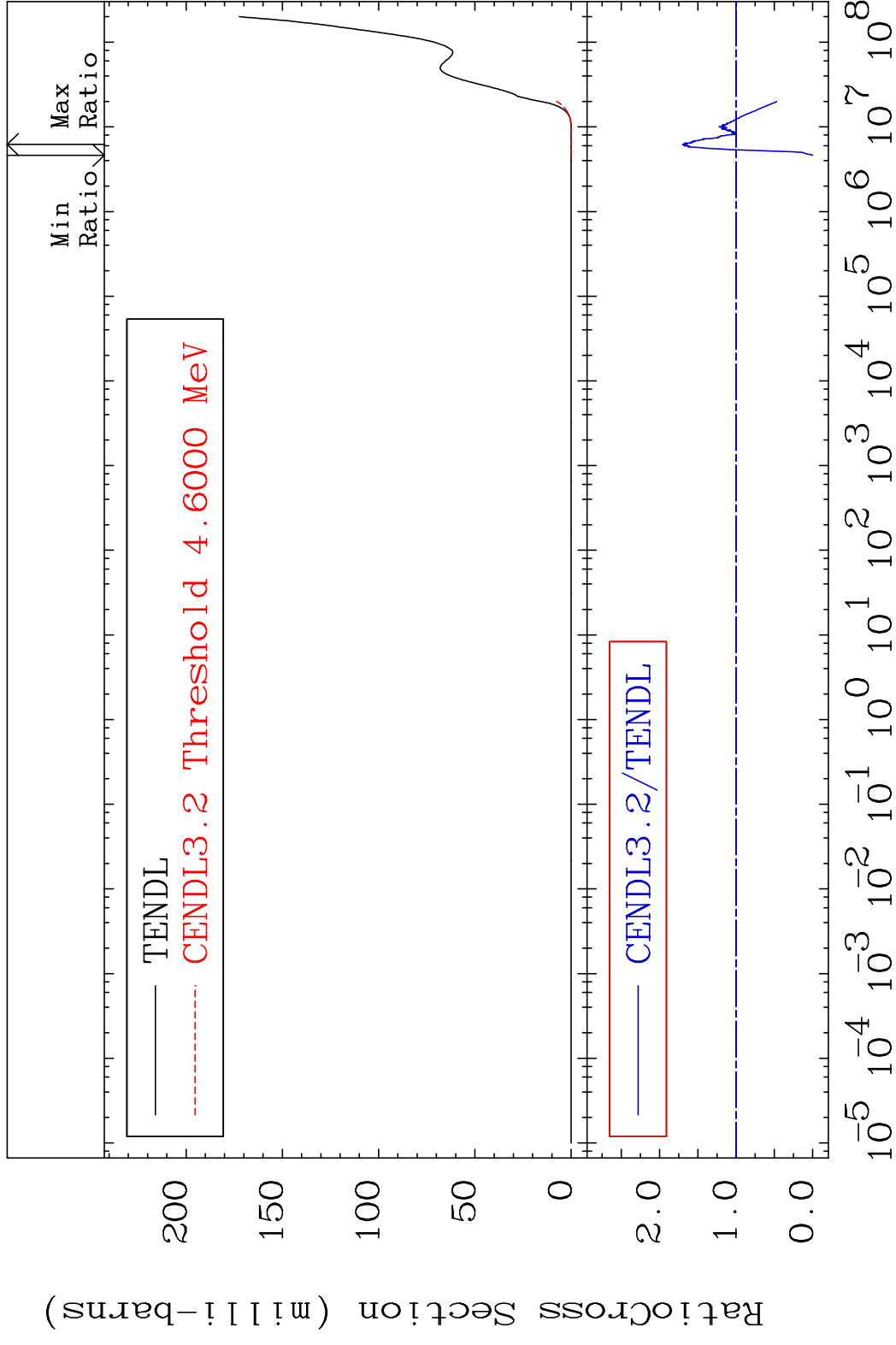
50-Sn-118

MAT 5043

He-4 Production

50-Sn-118

Cross Section -100.0 To 70.23 %

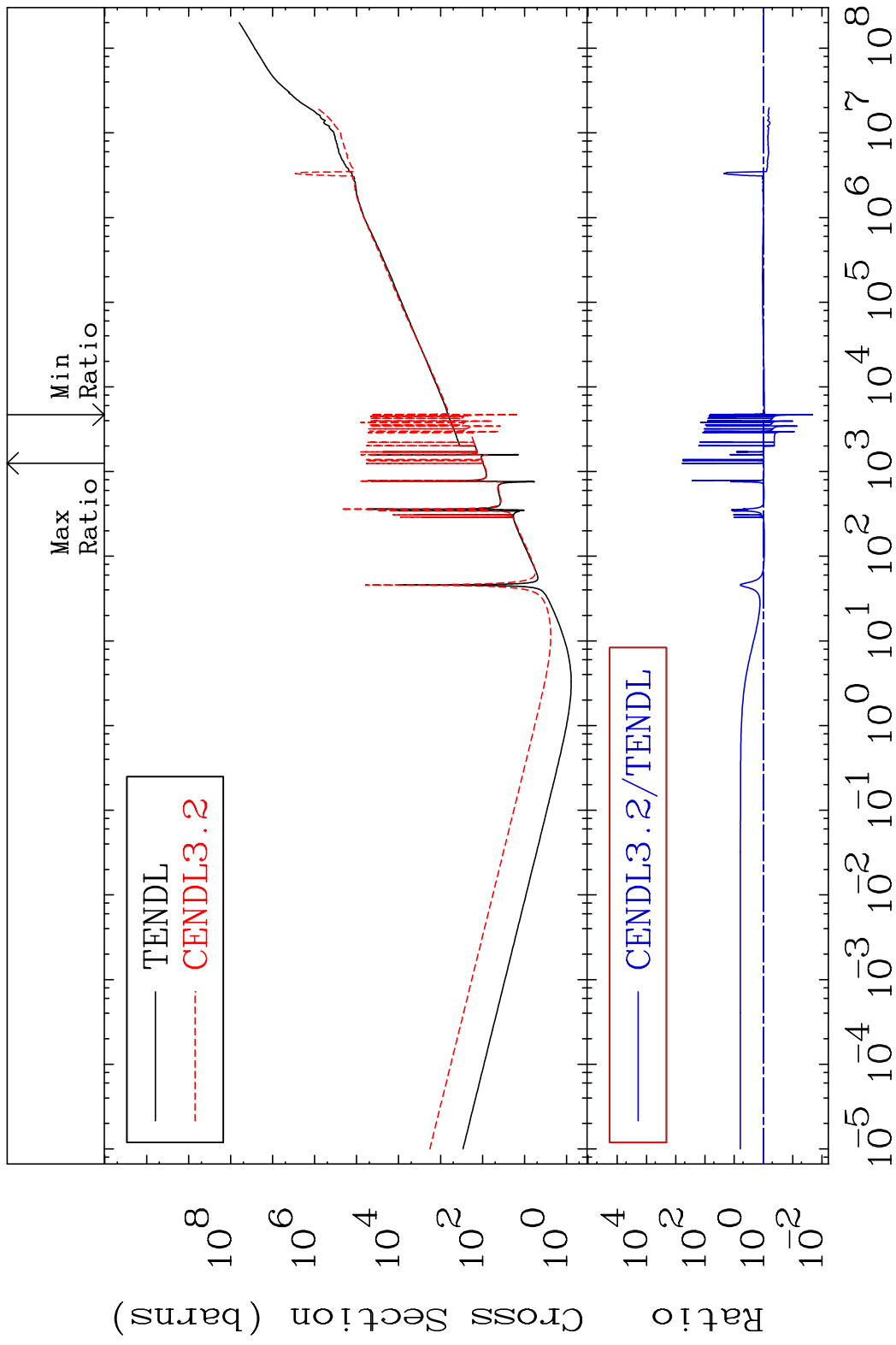


33

Incident Energy (eV)

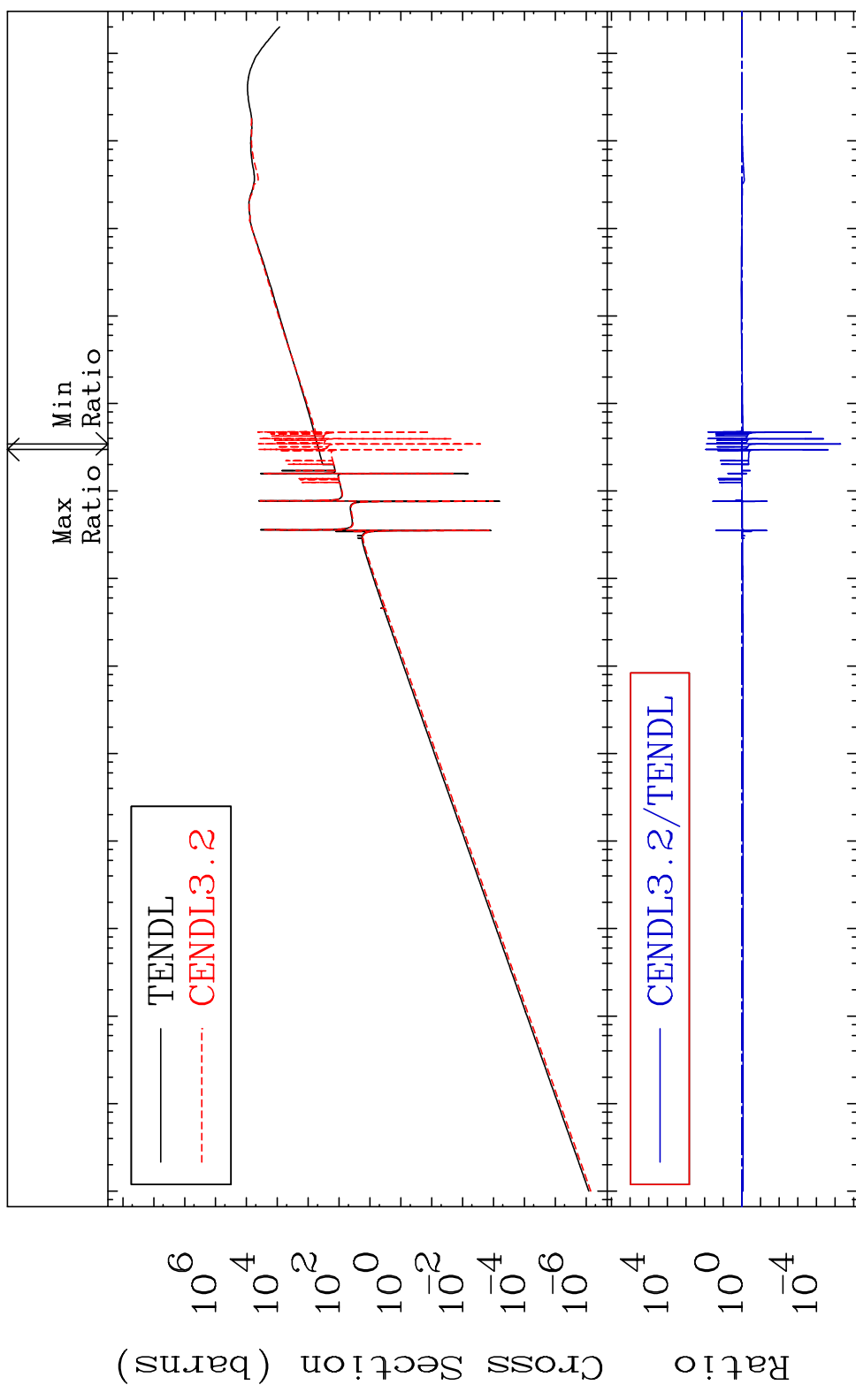
50-Sn-118

MAT 5043 Kerma total (eV-barns) 50-Sn-118
 Cross Section -97.90 To 9999. %

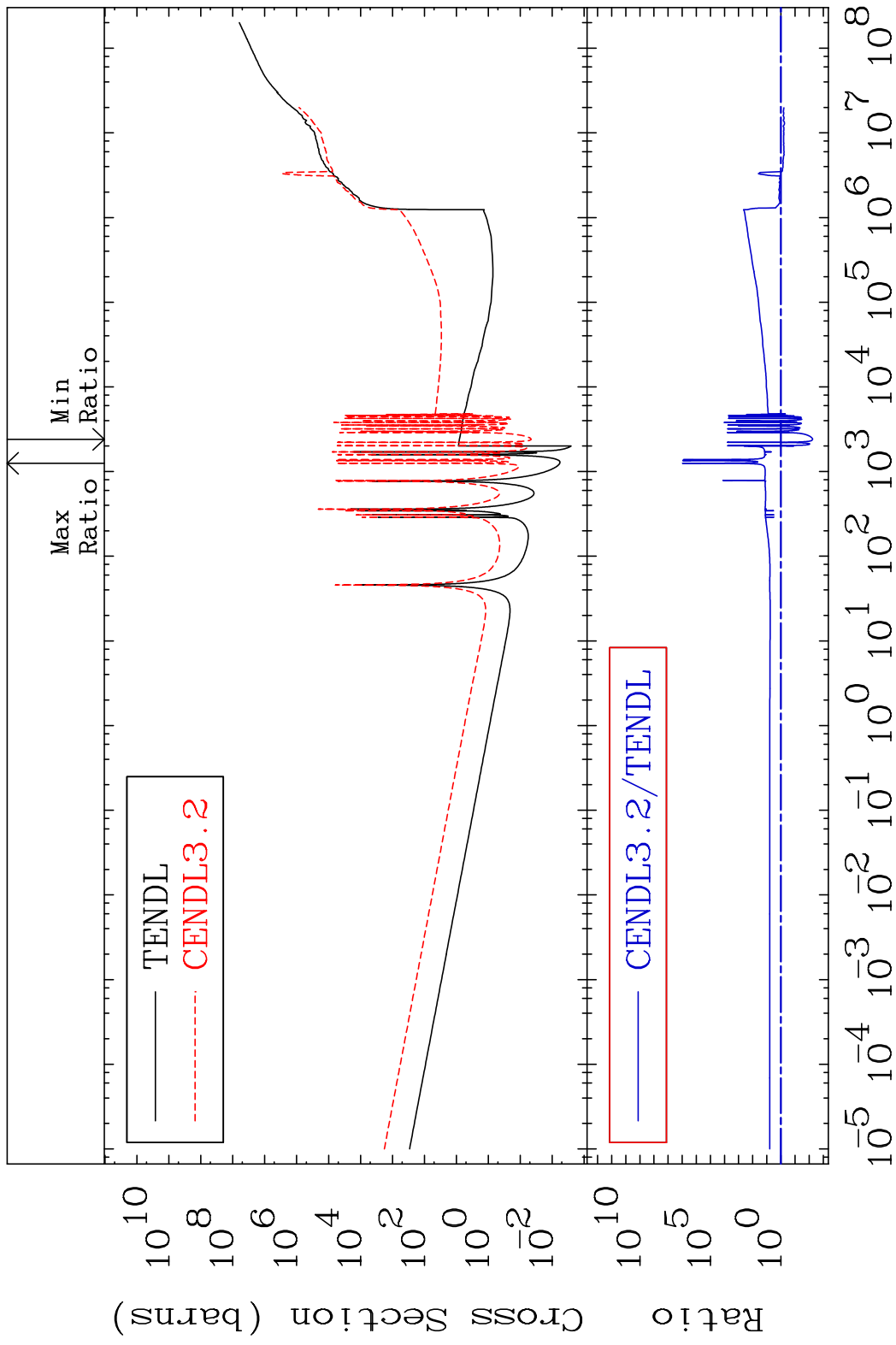


MAT 5043

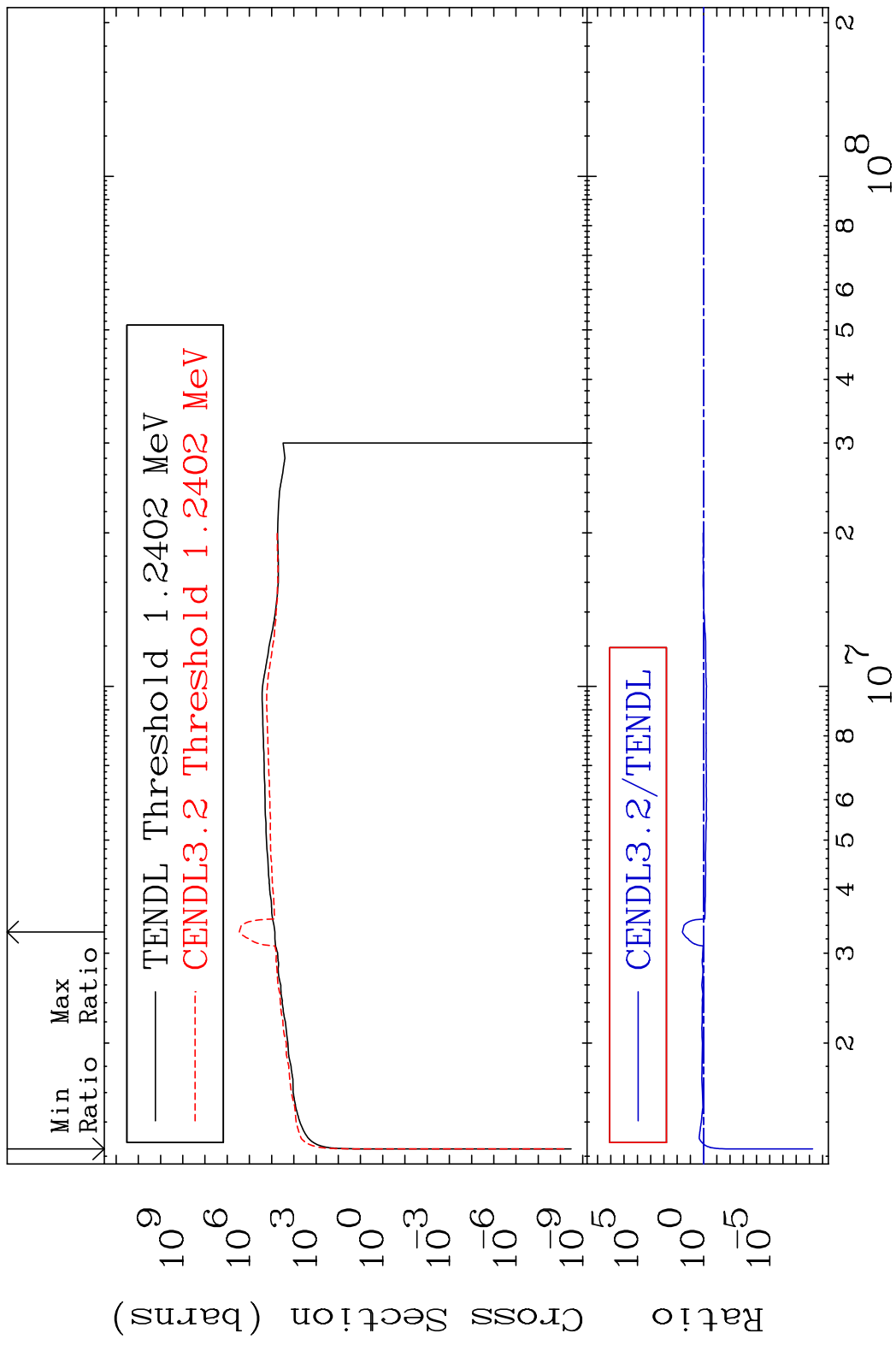
Kerma elastic
Cross Section -100.0 To 8588. %
50-Sn-118



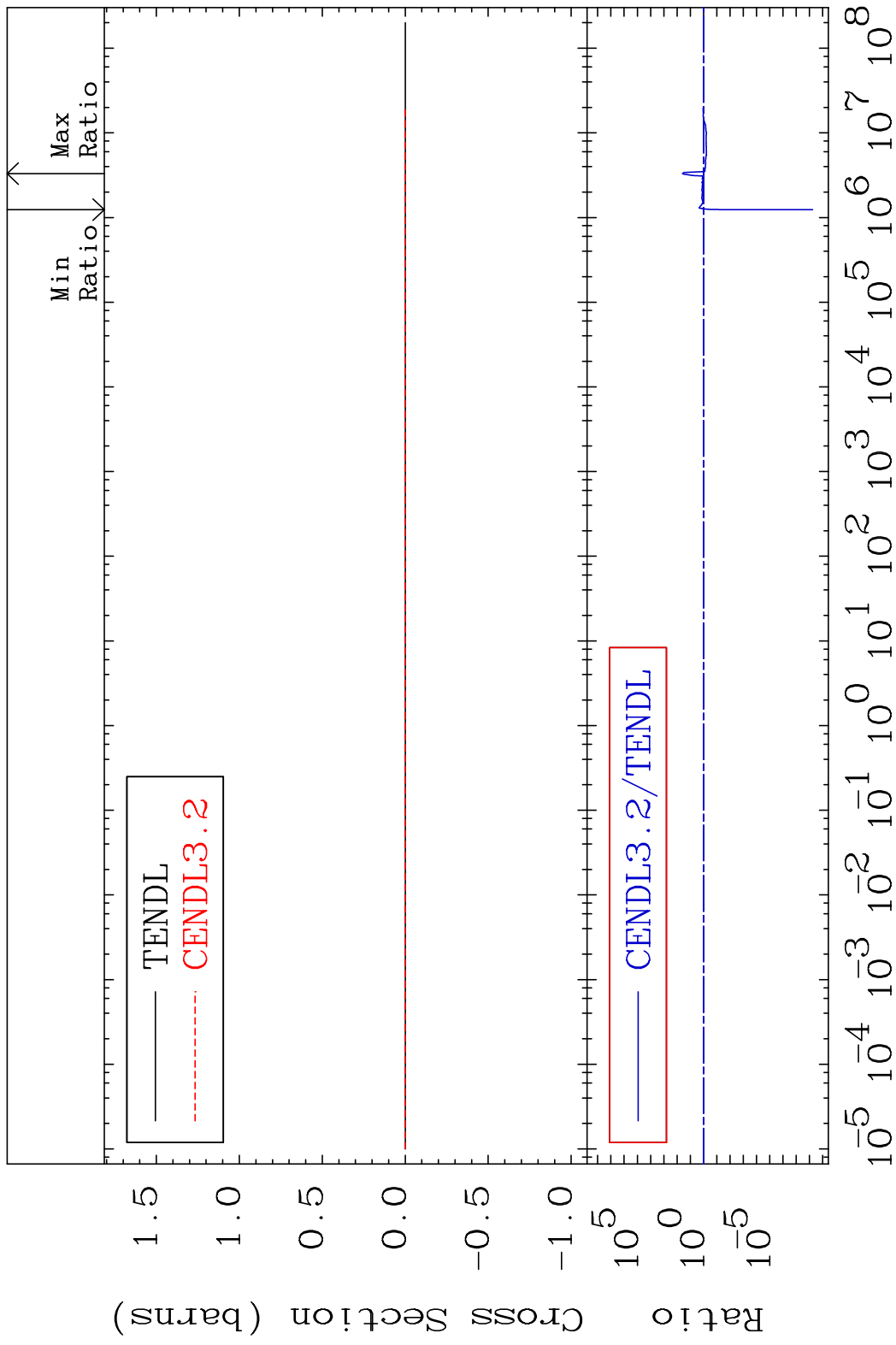
MAT 5043 Kerma non-elastic (all but mt2) 50-Sn-118
 Cross Section -99.43 To 9999. %



MAT 5043 Kerma inelastic (mt51-91) 50-Sn-118
 Cross Section -100.0 To 3880. %

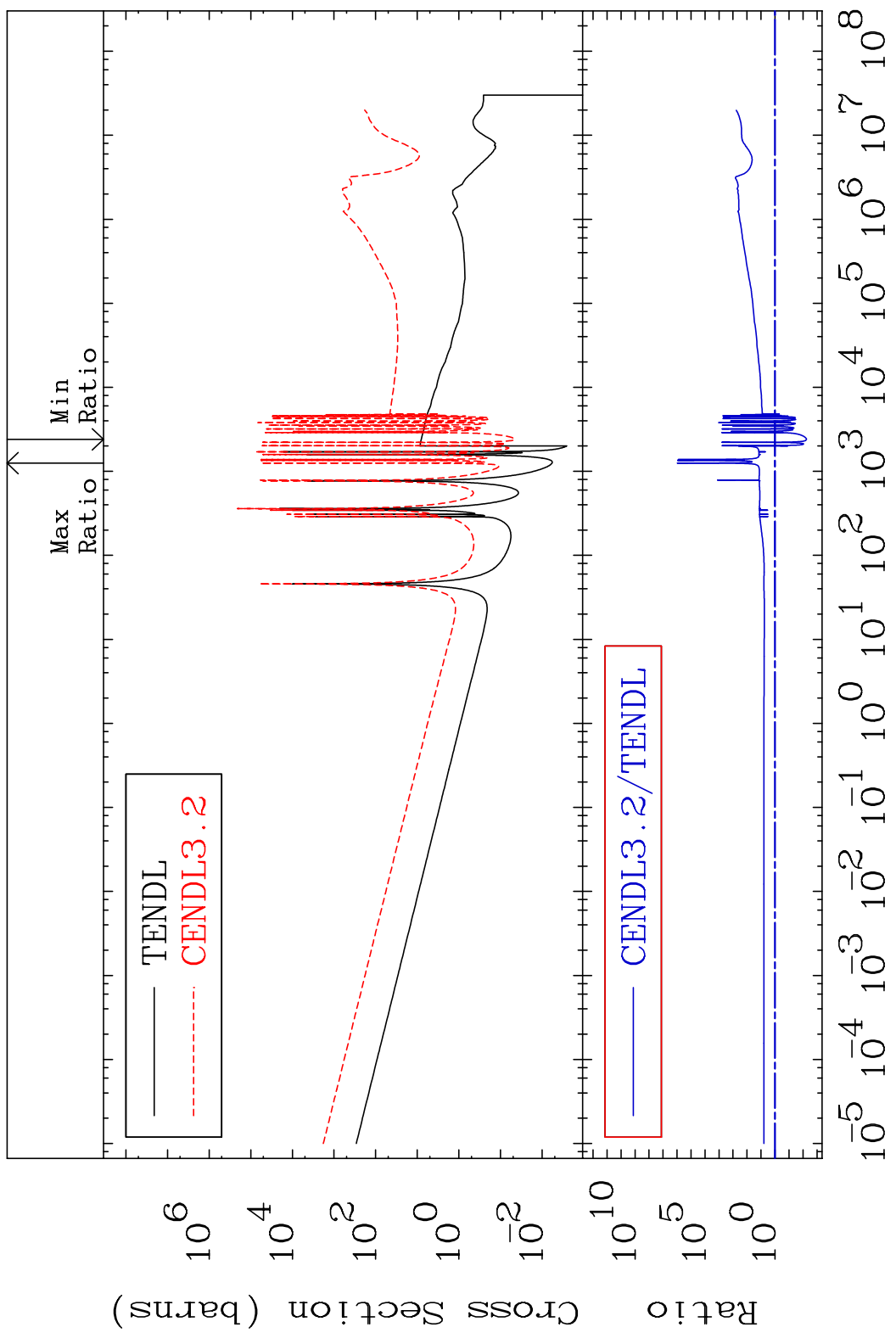


MAT 5043 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-118
 Cross Section -100.0 To 3880. %



MAT 5043

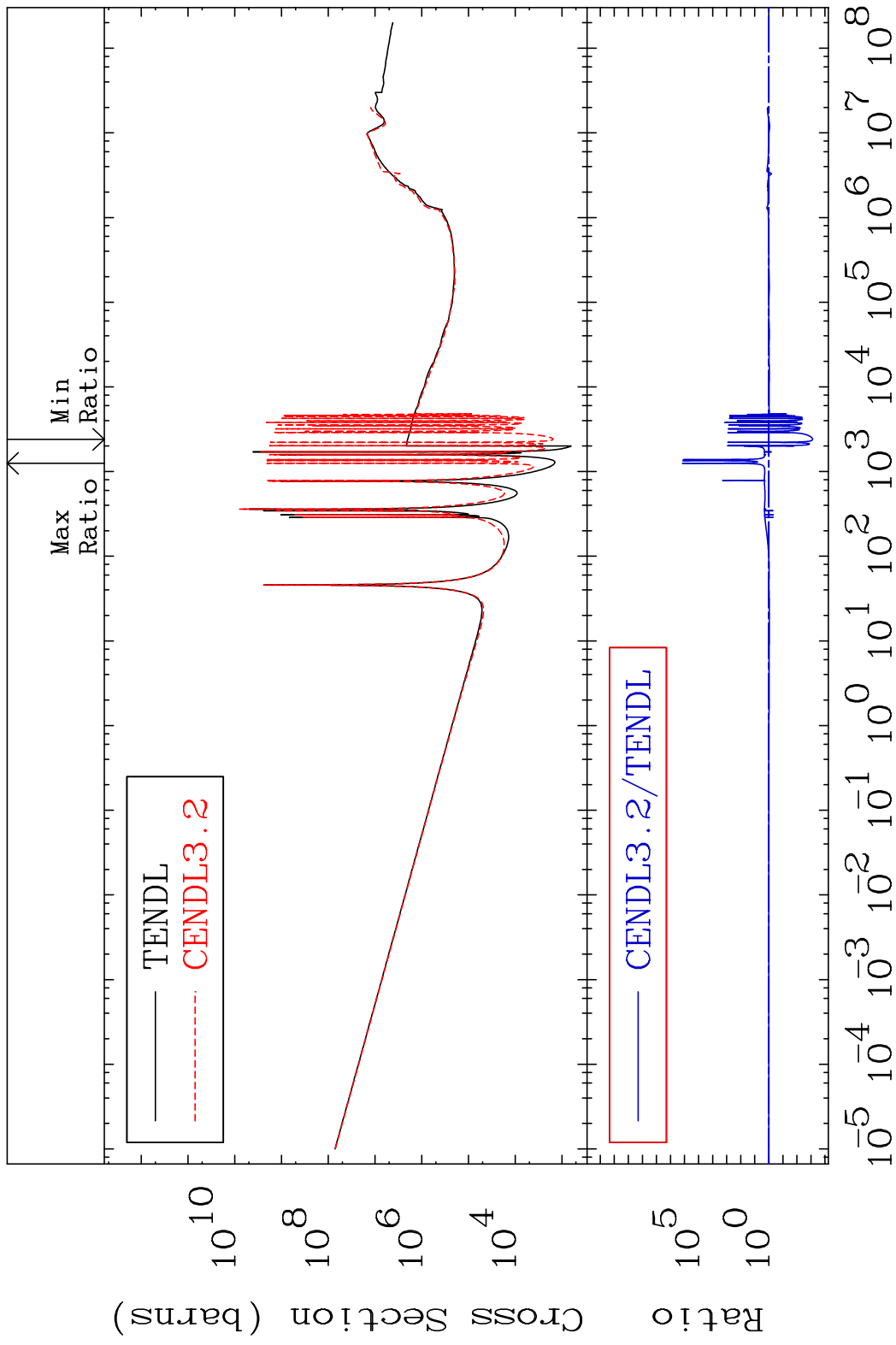
Kerma capture (mt102) 50-Sn-118
Cross Section -99.43 To 9999. %



39

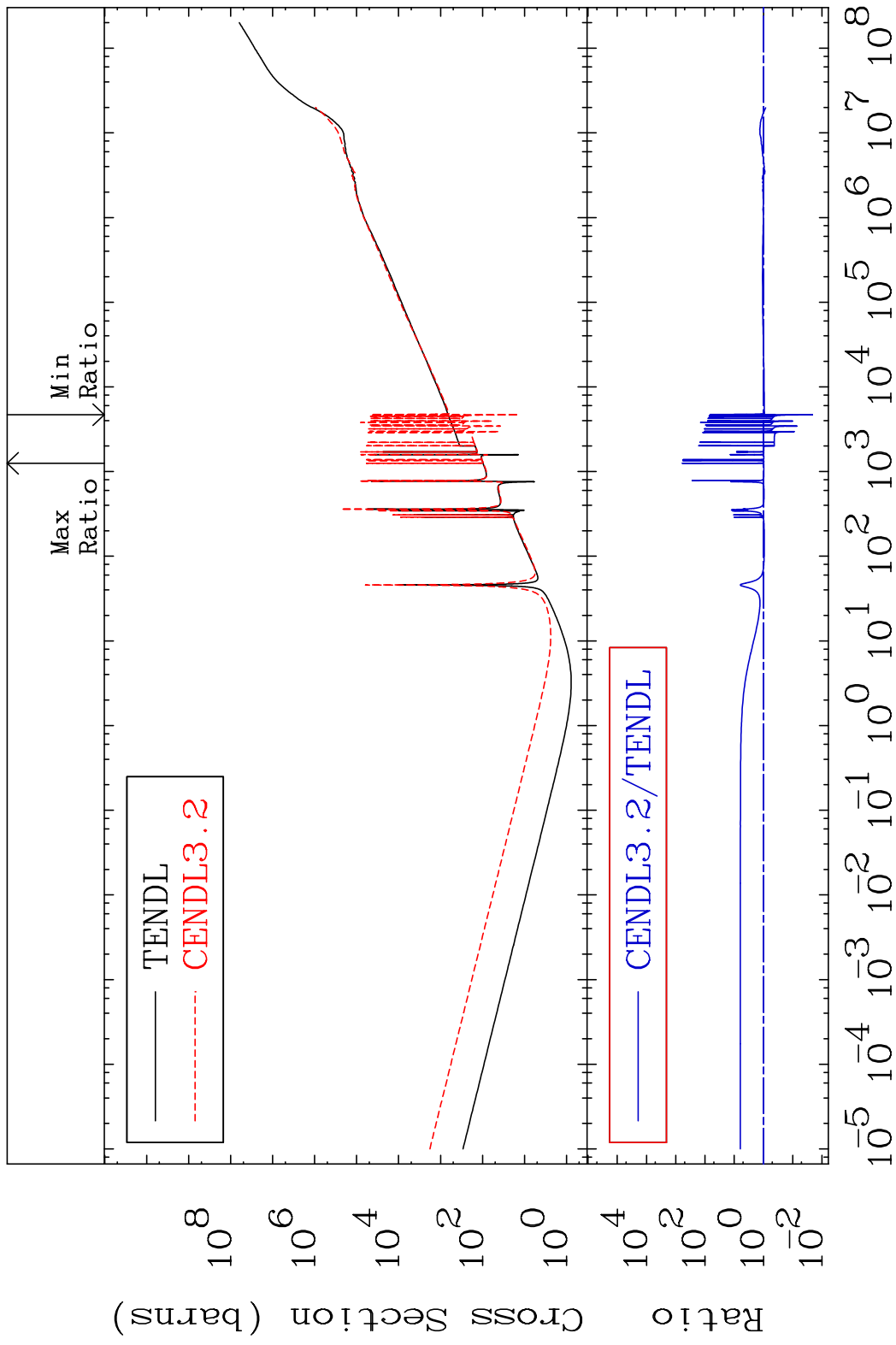
Incident Energy (eV) 50-Sn-118

MAT 5043 Total photon (eV-barns) 50-Sn-118
Cross Section -99.92 To 9999. %

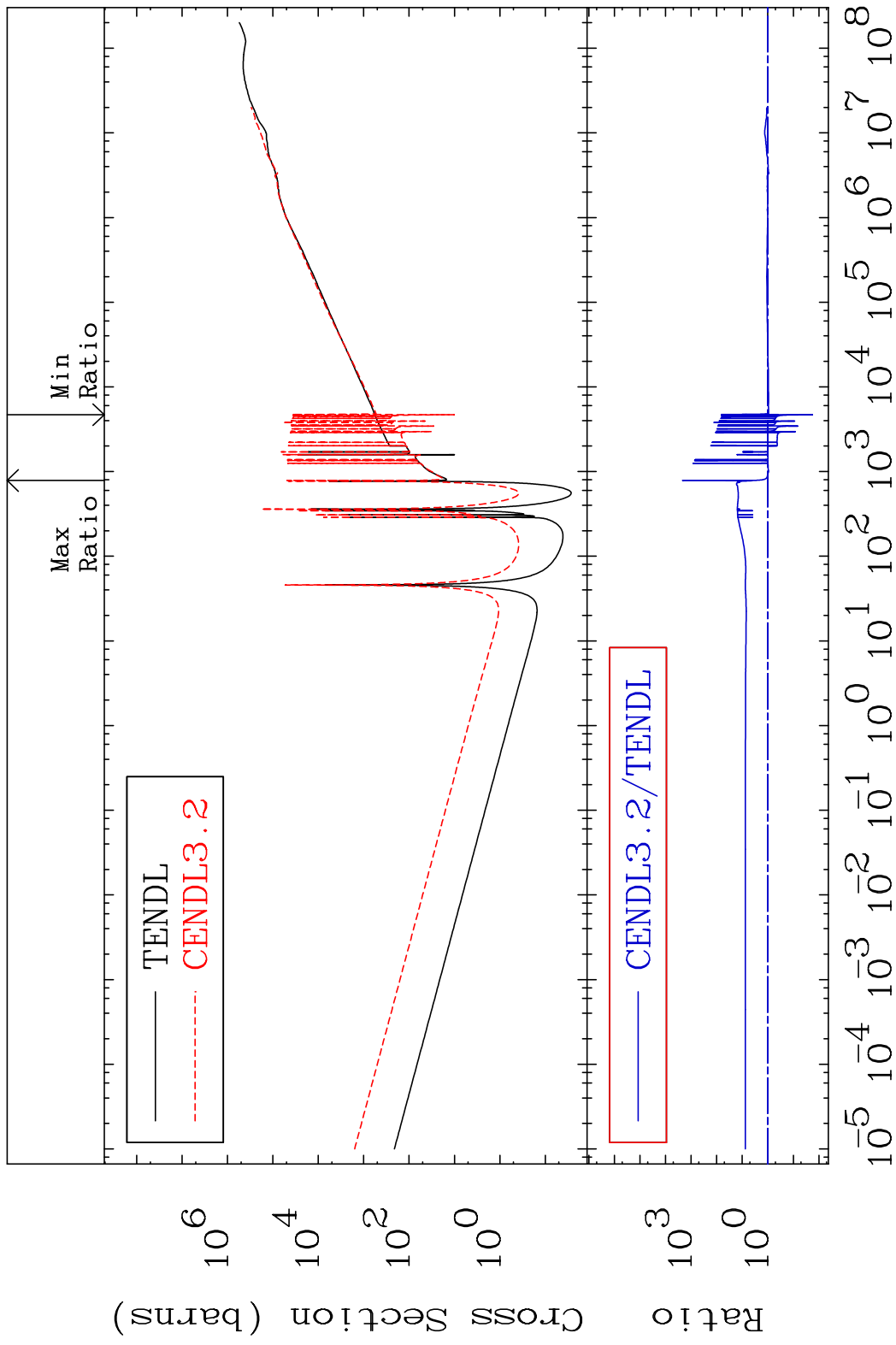


40 Incident Energy (eV) 50-Sn-118

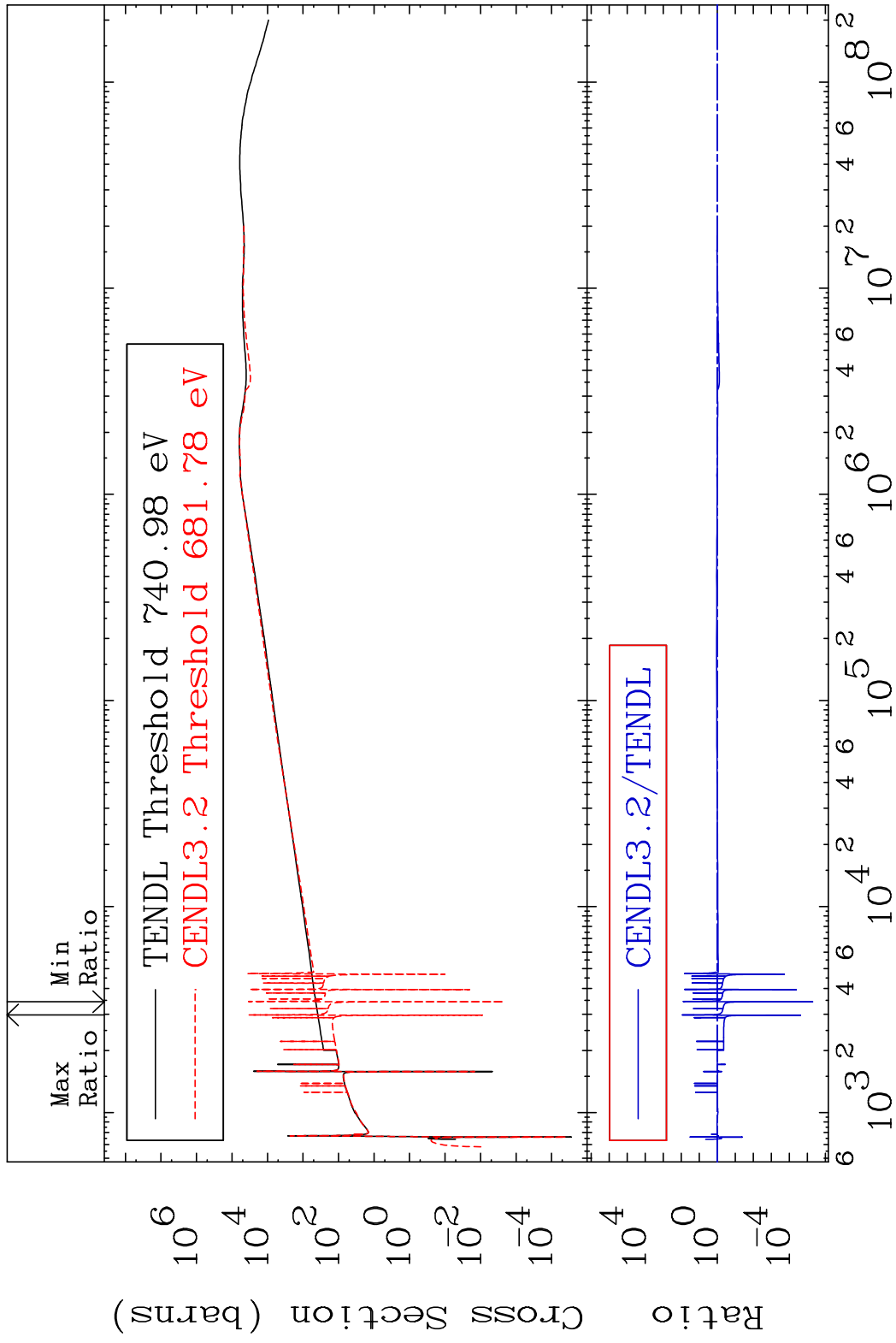
MAT 5043 Total kinematic kerma (high limit) 50-Sn-118
 Cross Section -97.90 To 9999. %



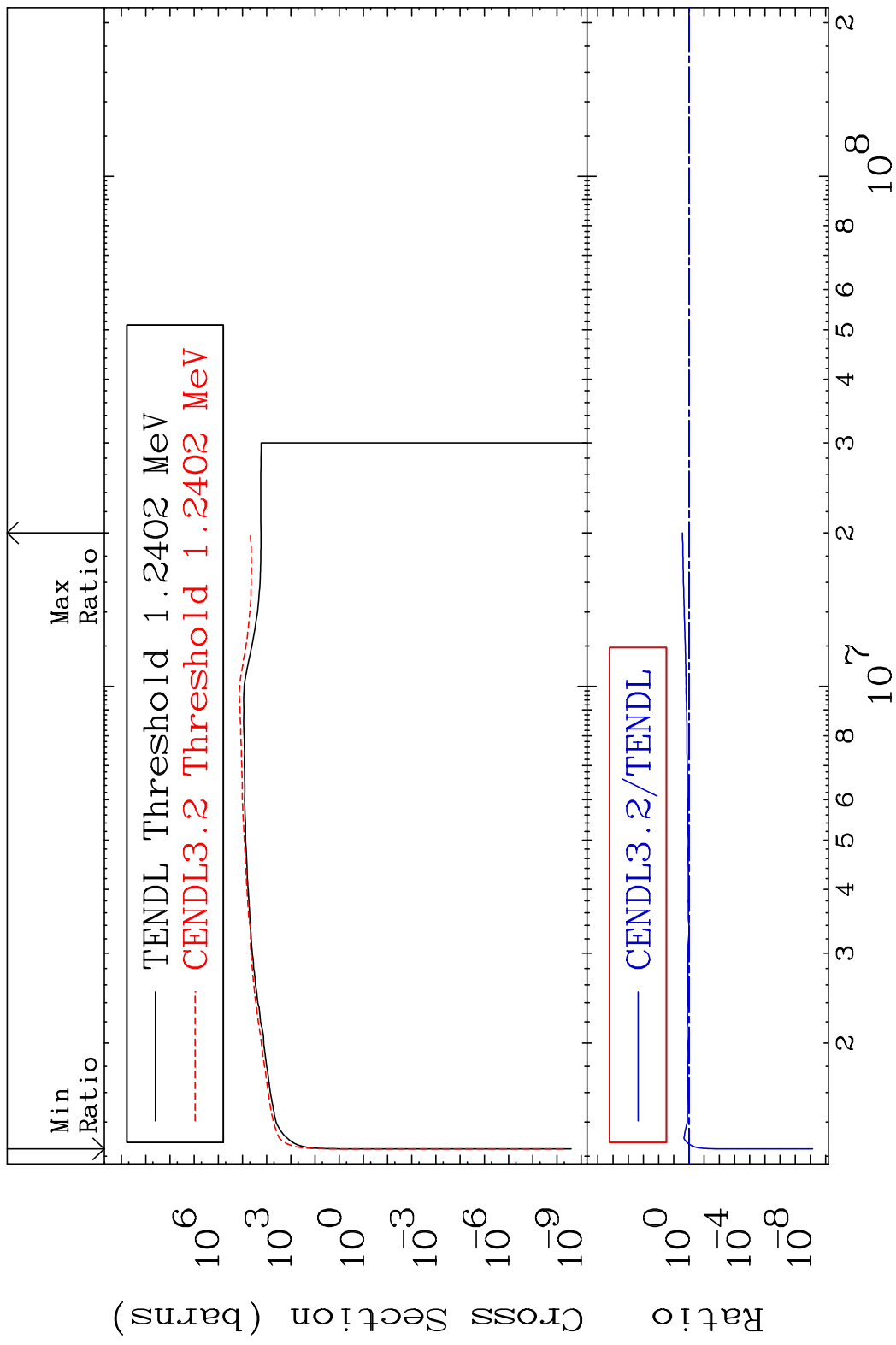
MAT 5043 Dpa total (eV-barns) 50-Sn-118
 Cross Section -98.23 To 9999. %



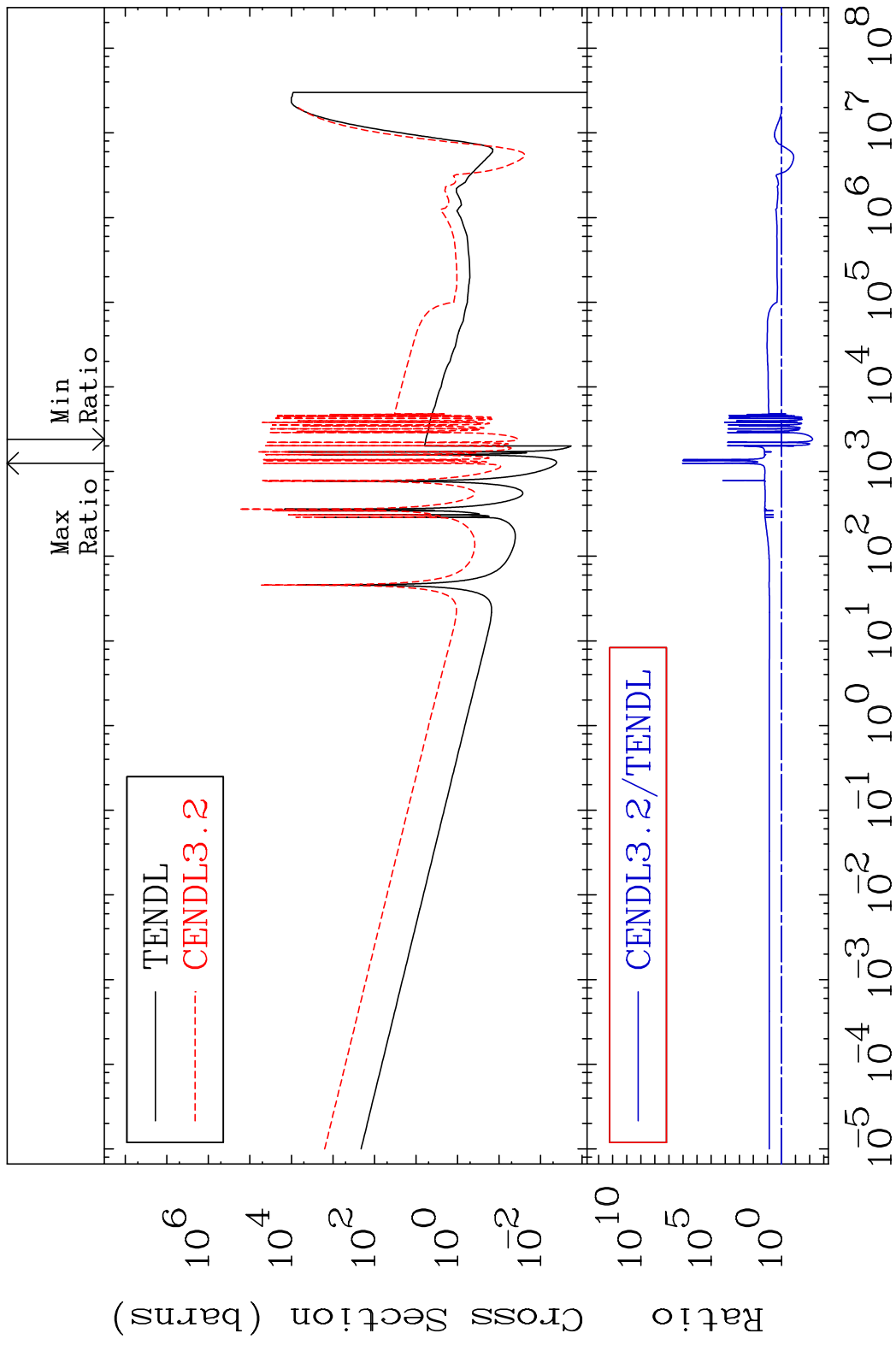
MAT 5043 Dpa elastic (mt2) 50-Sn-118
Cross Section -100.0 To 8530. %



MAT 5043 Dpa inelastic (mt51-91) 50-Sn-118
 Cross Section -100.0 To 172.6 %

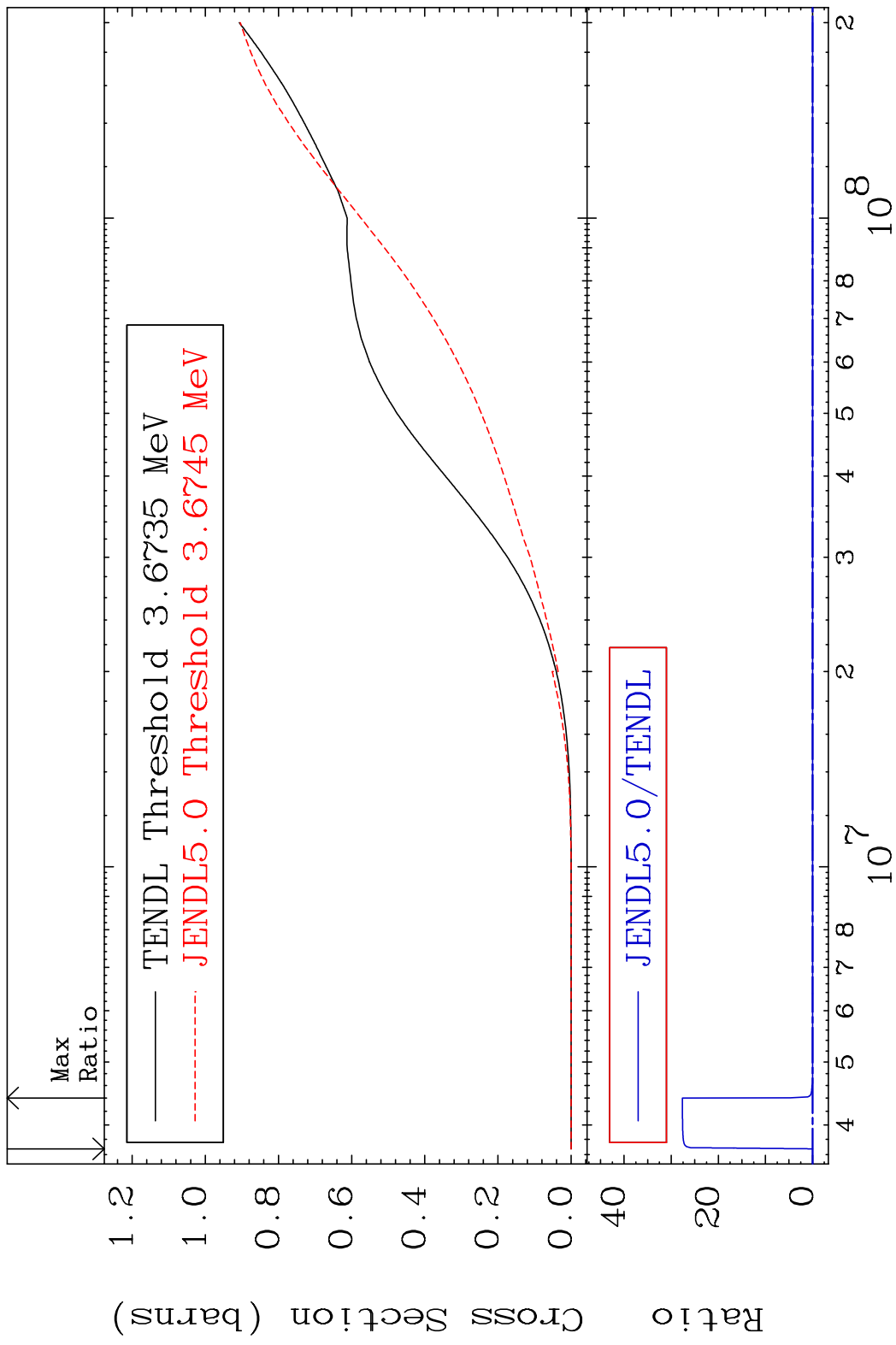


MAT 5043 Dpa disappearance (mt102 -120) 50-Sn-118
 Cross Section -99.38 To 9999. %

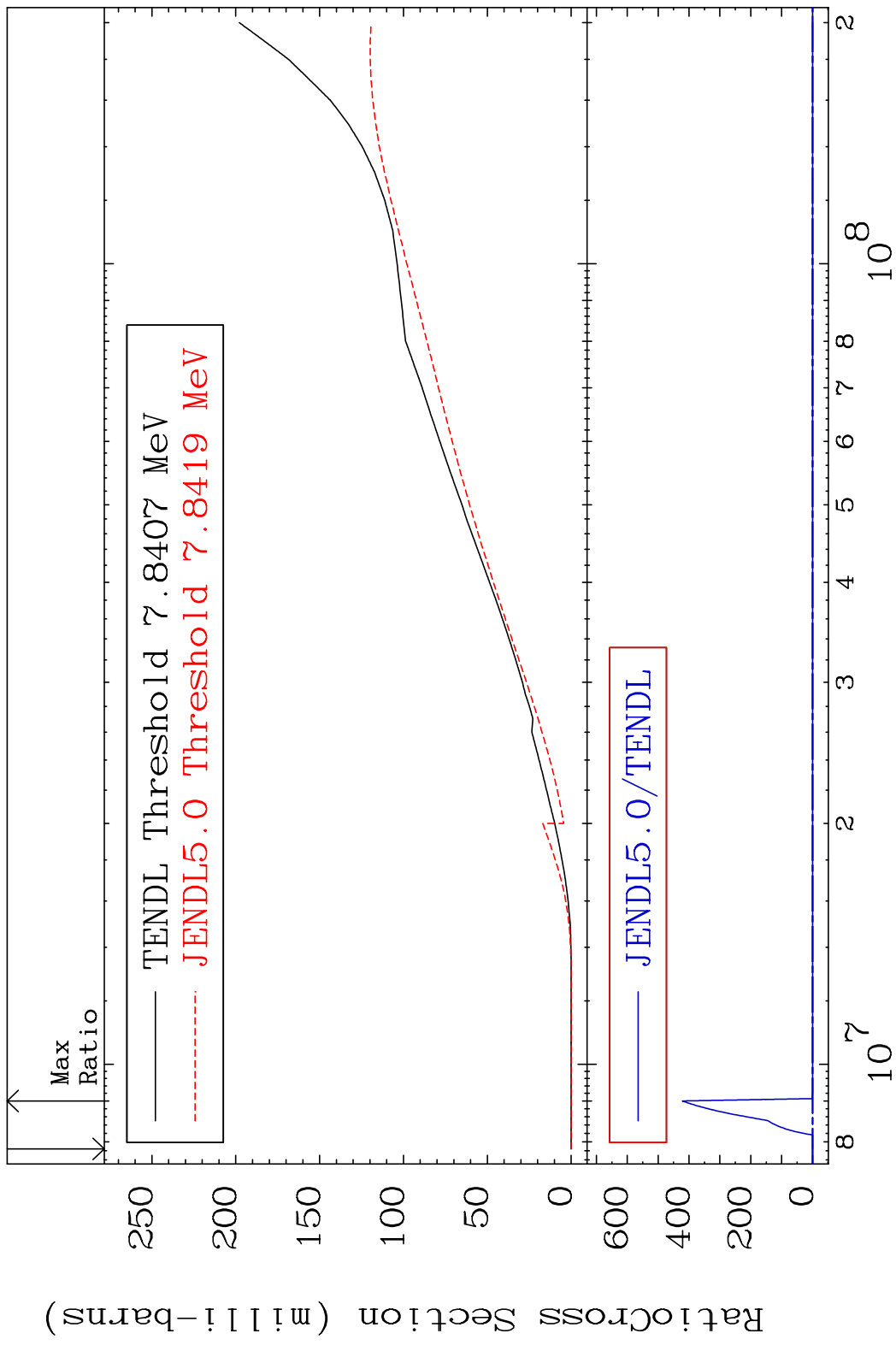


45 Incident Energy (eV) 50-Sn-118

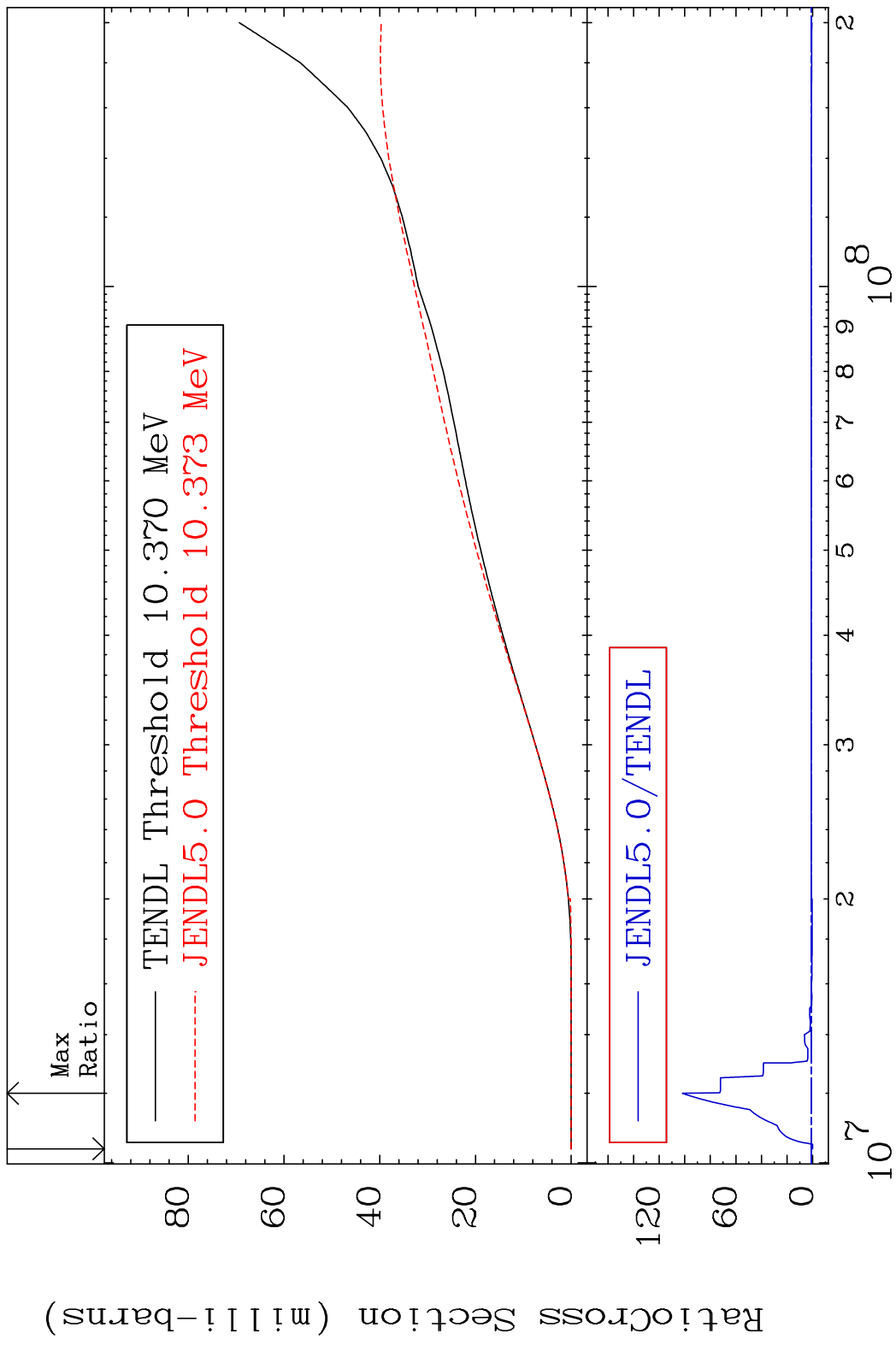
MAT 5043 Hydrogen Production 50-Sn-118
 Cross Section -100.0 To 9999. %



MAT 5043 Deuterium Production 50-Sn-118
 Cross Section -100.0 To 9999. %



MAT 5043 Tritium Production 50-Sn-118
 Cross Section -100.0 To 9999. %



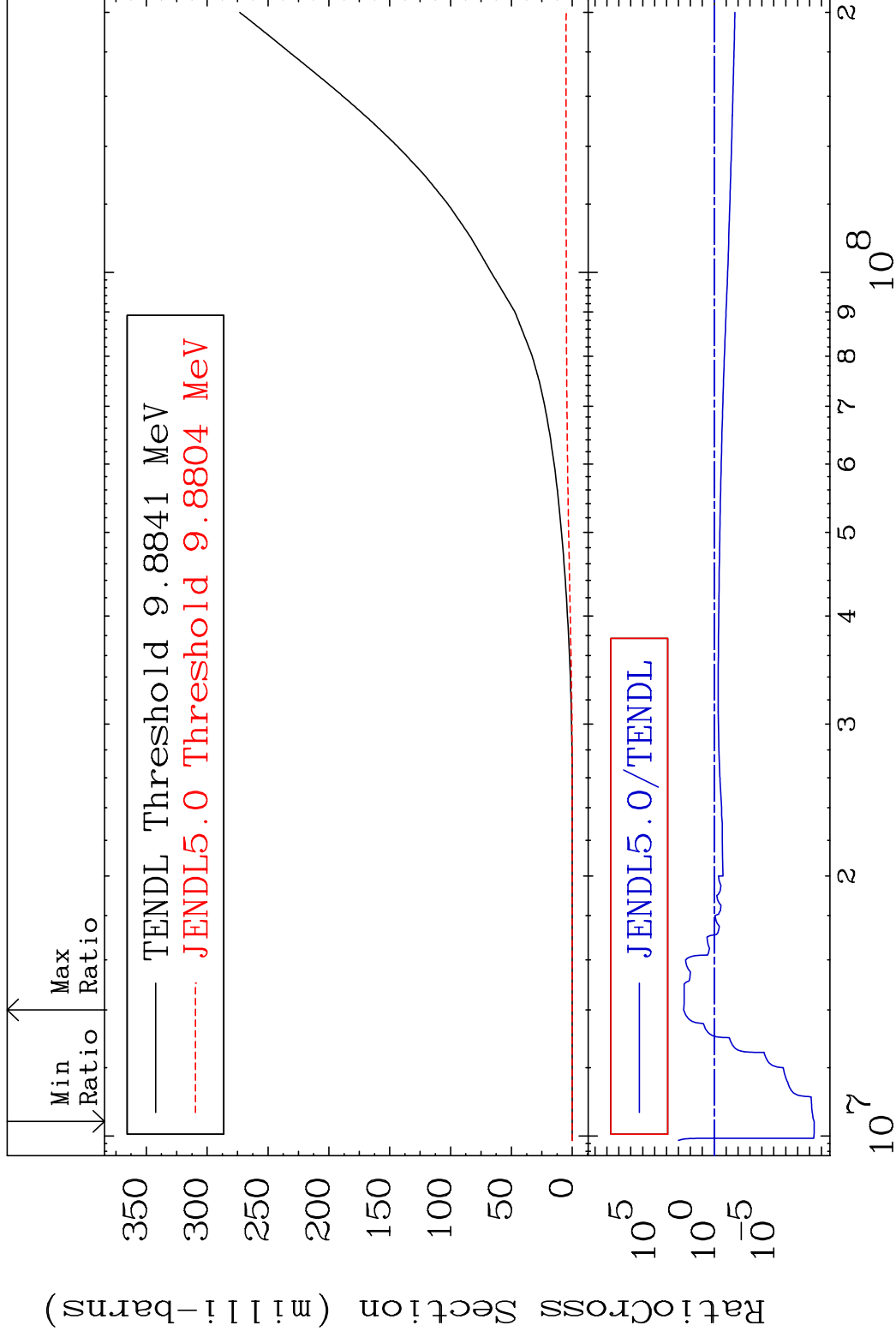
48 50-Sn-118

MAT 5043

He-3 Production

50-Sn-118

Cross Section -100.0 To 9999. %



49

Incident Energy (eV)

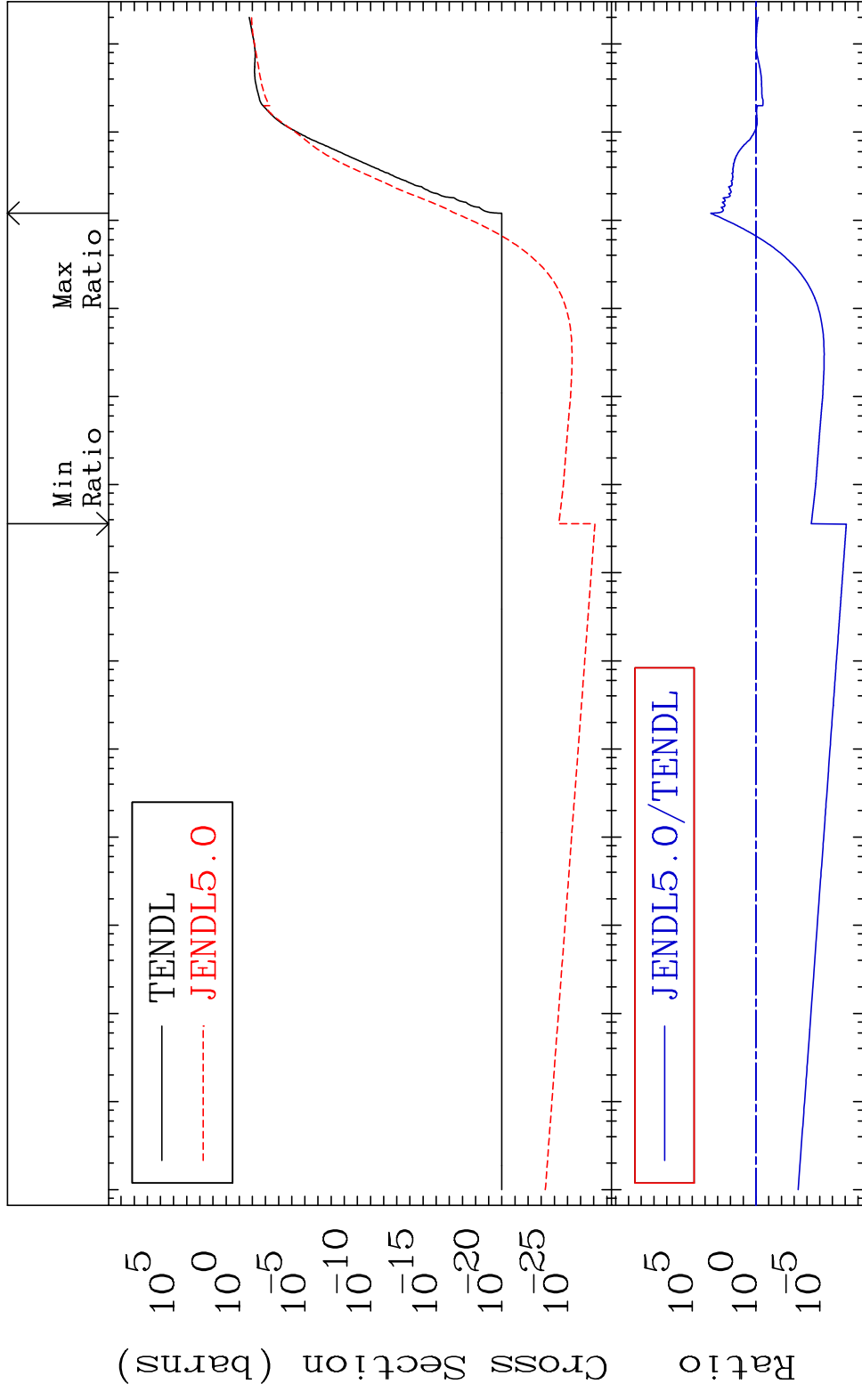
50-Sn-118

MAT 5043

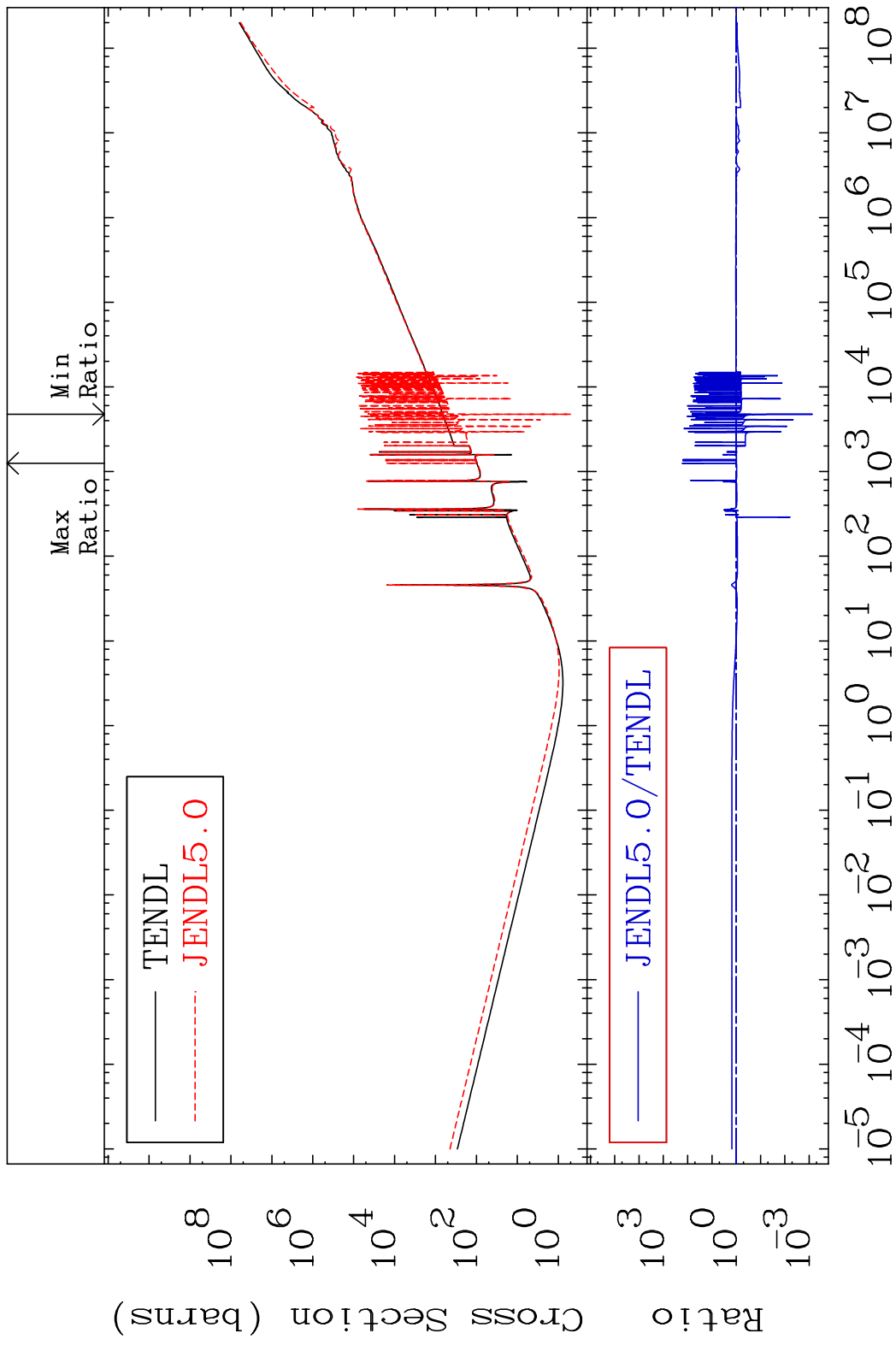
He-4 Production

50-Sn-118

Cross Section -100.0 To 9999. %



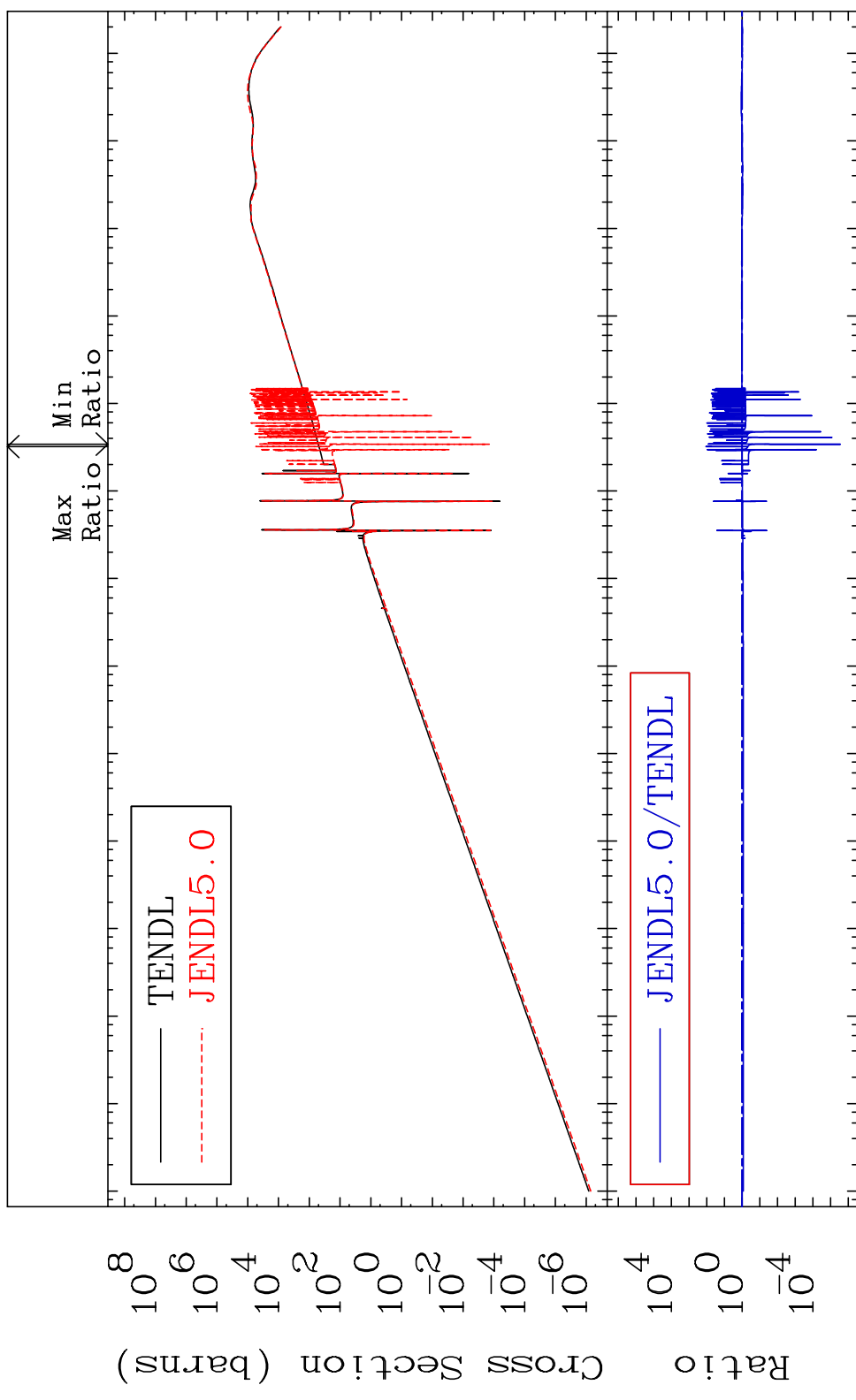
MAT 5043 Kerma total (eV-barns) 50-Sn-118
 Cross Section -99.93 To 9999. %



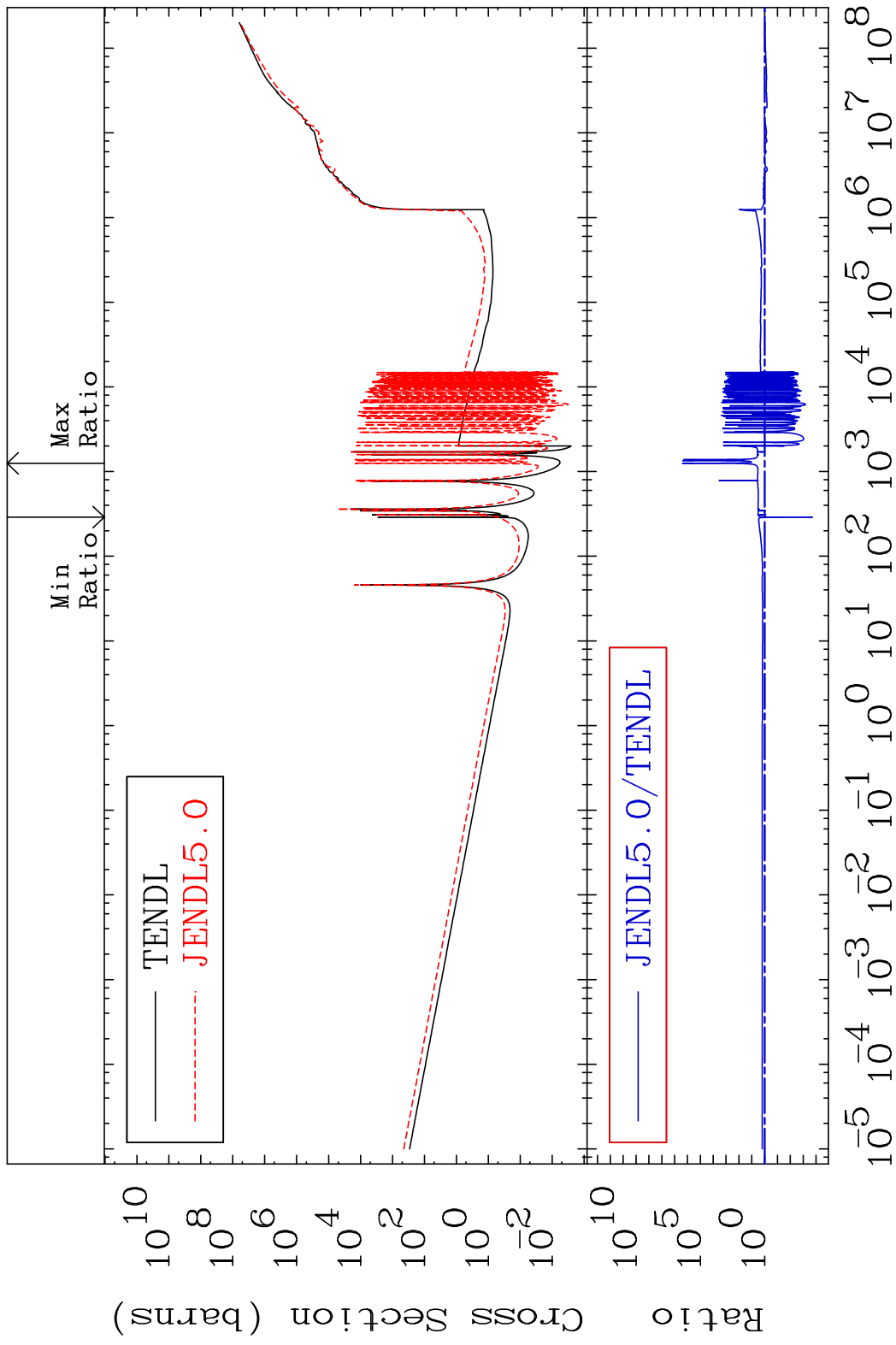
51 Incident Energy (eV) 50-Sn-118

MAT 5043

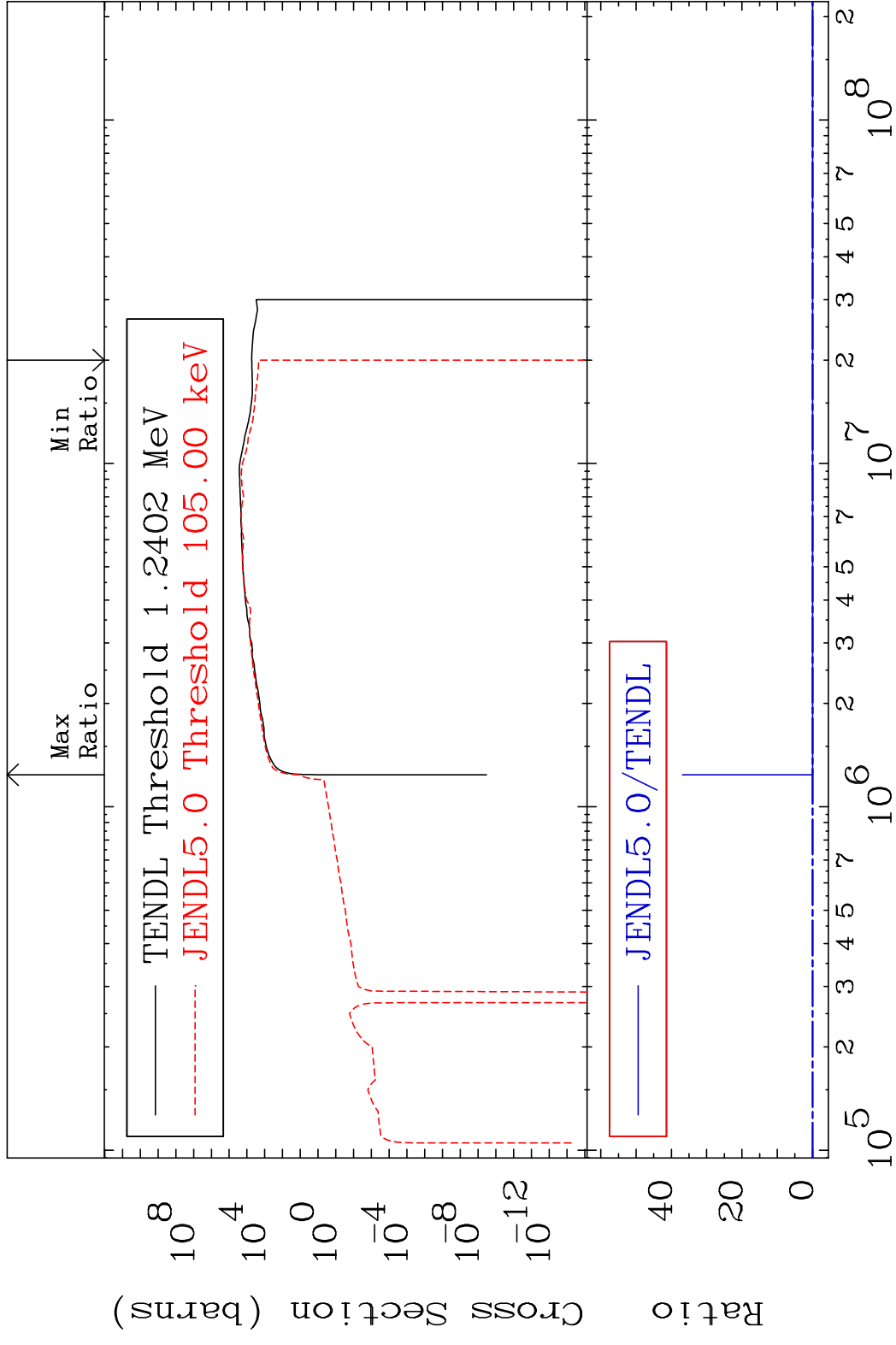
Kerma elastic
Cross Section -100.0 To 9999. %
50-Sn-118



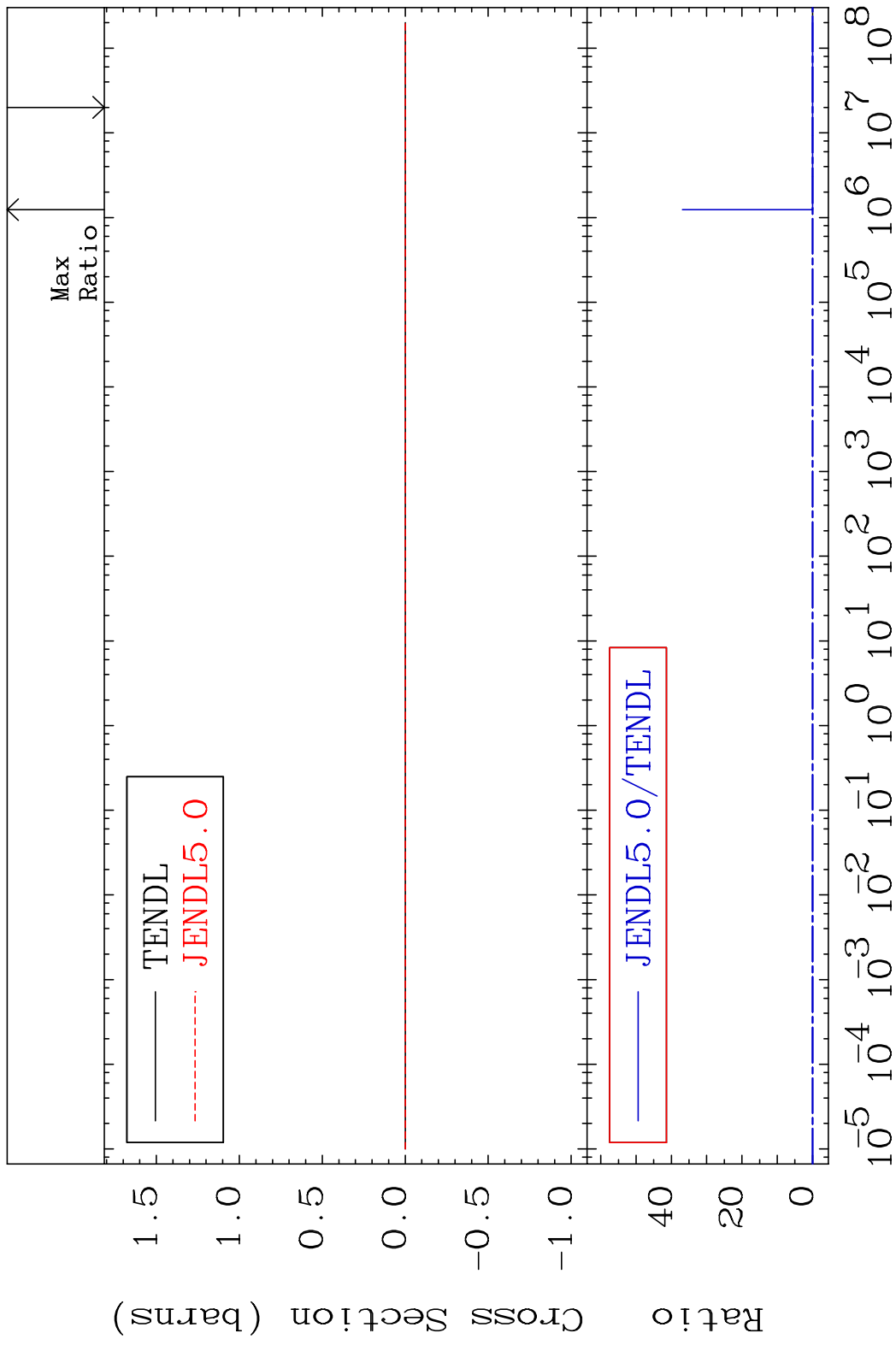
MAT 5043 Kerma non-elastic (all but mt2) 50-Sn-118
 Cross Section -99.98 To 9999. %



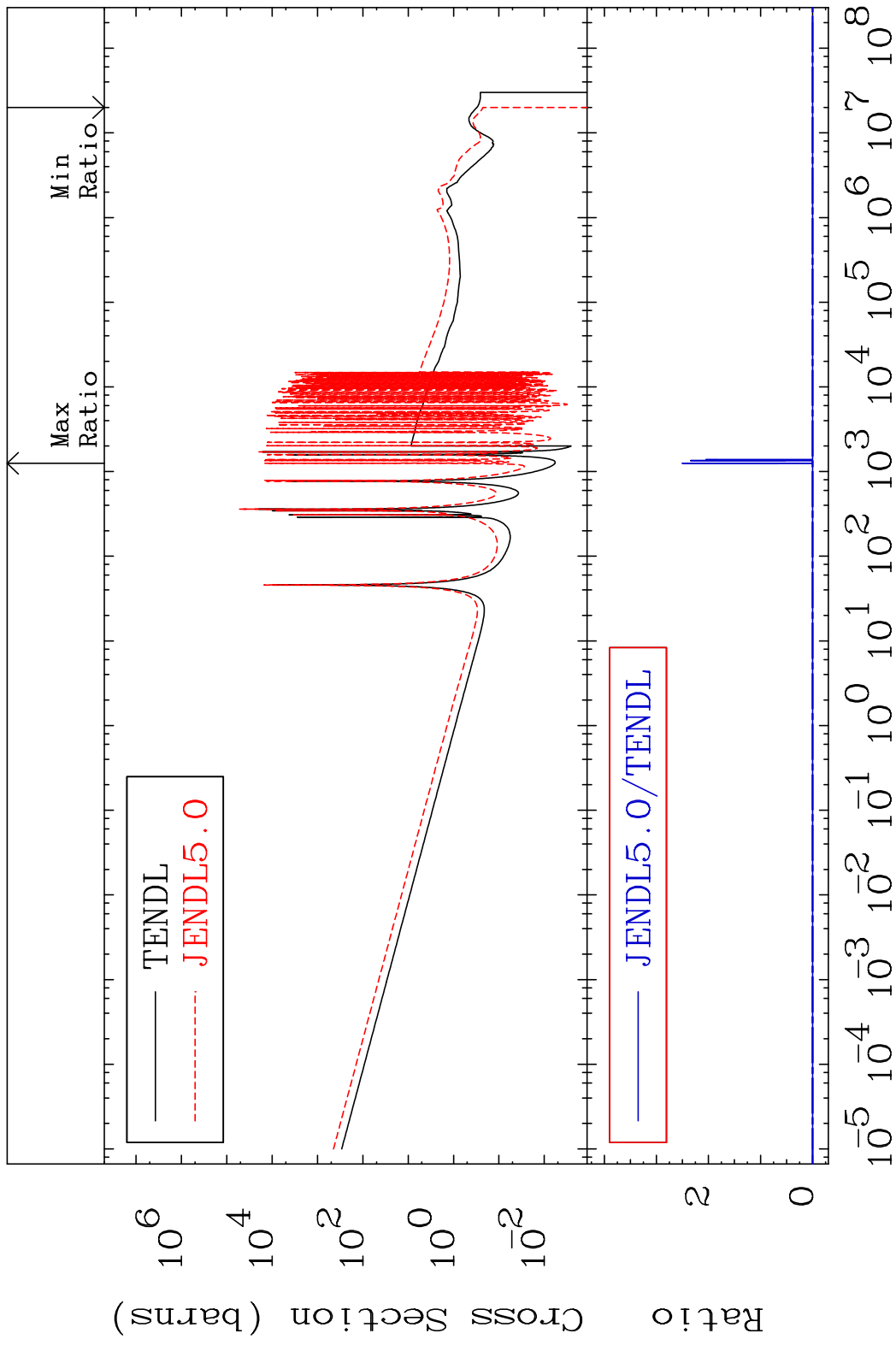
MAT 5043 Kerma inelastic (mt51-91) 50-Sn-118
 Cross Section -100.0 To 9999. %



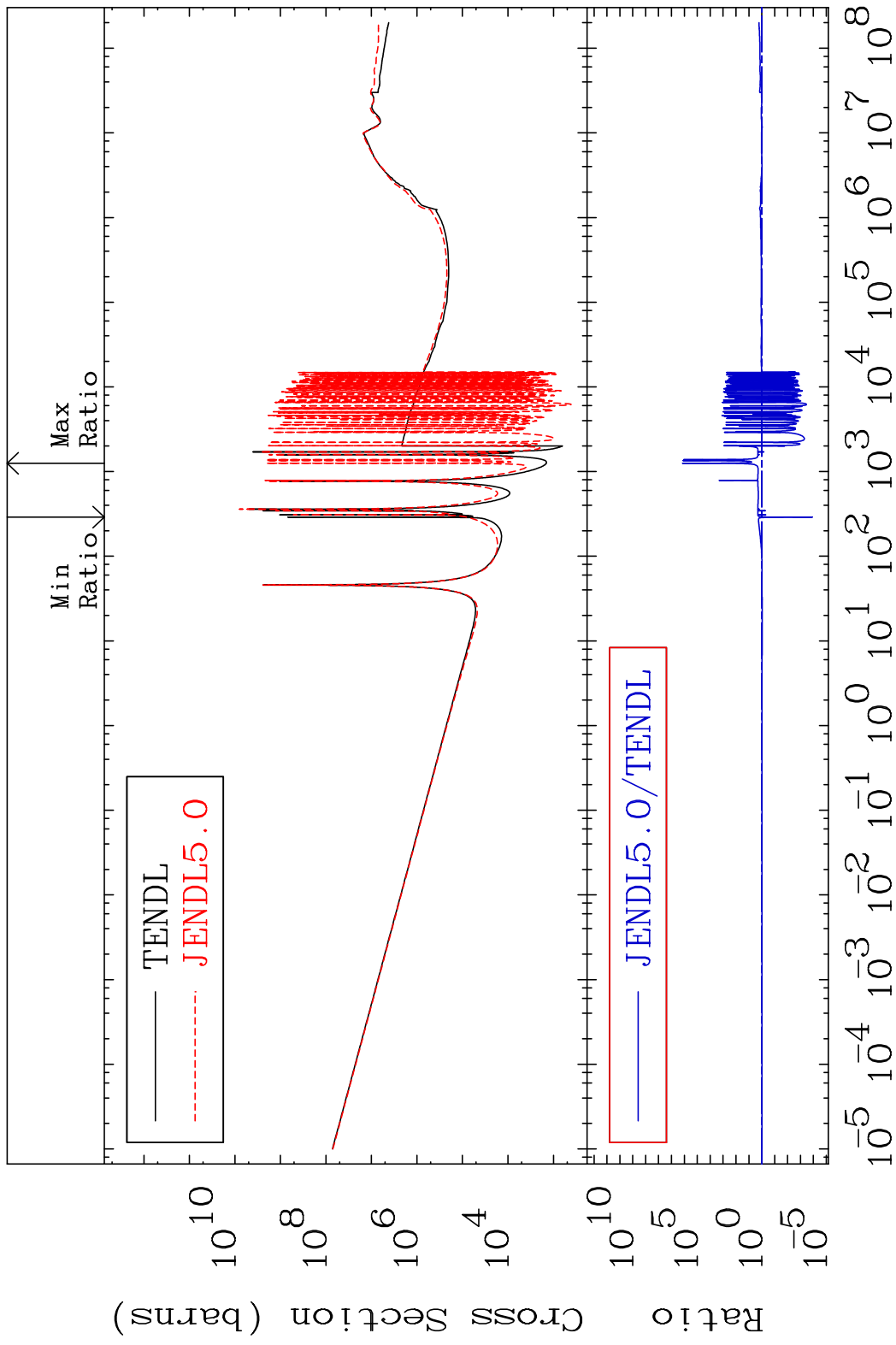
MAT 5043 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-118
 Cross Section -100.0 To 9999. %



MAT 5043 Kerma capture (mt102) 50-Sn-118
 Cross Section -100.0 To 9999. %

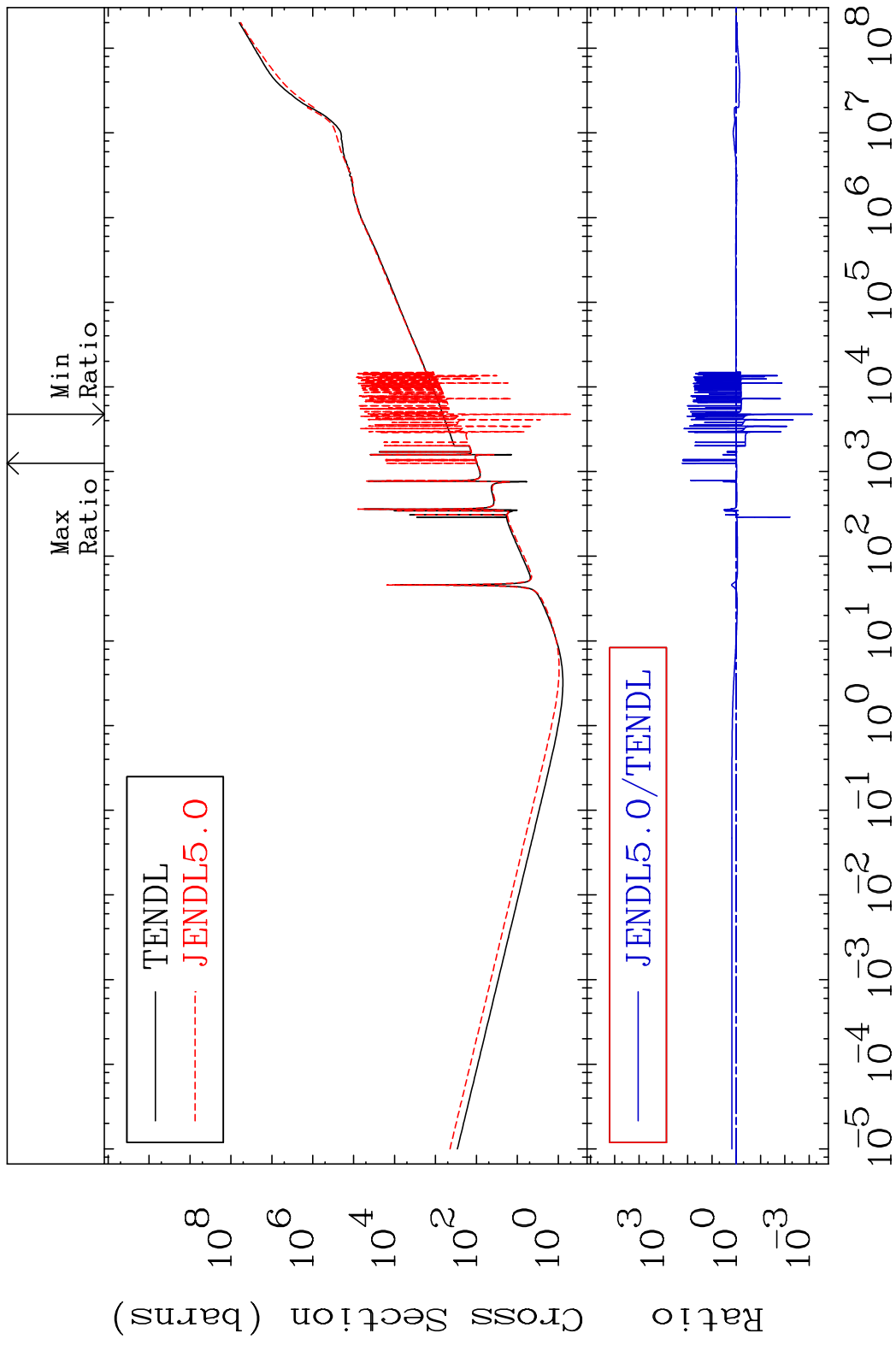


MAT 5043 Total photon (eV-barns) 50-Sn-118
 Cross Section -99.99 To 9999. %

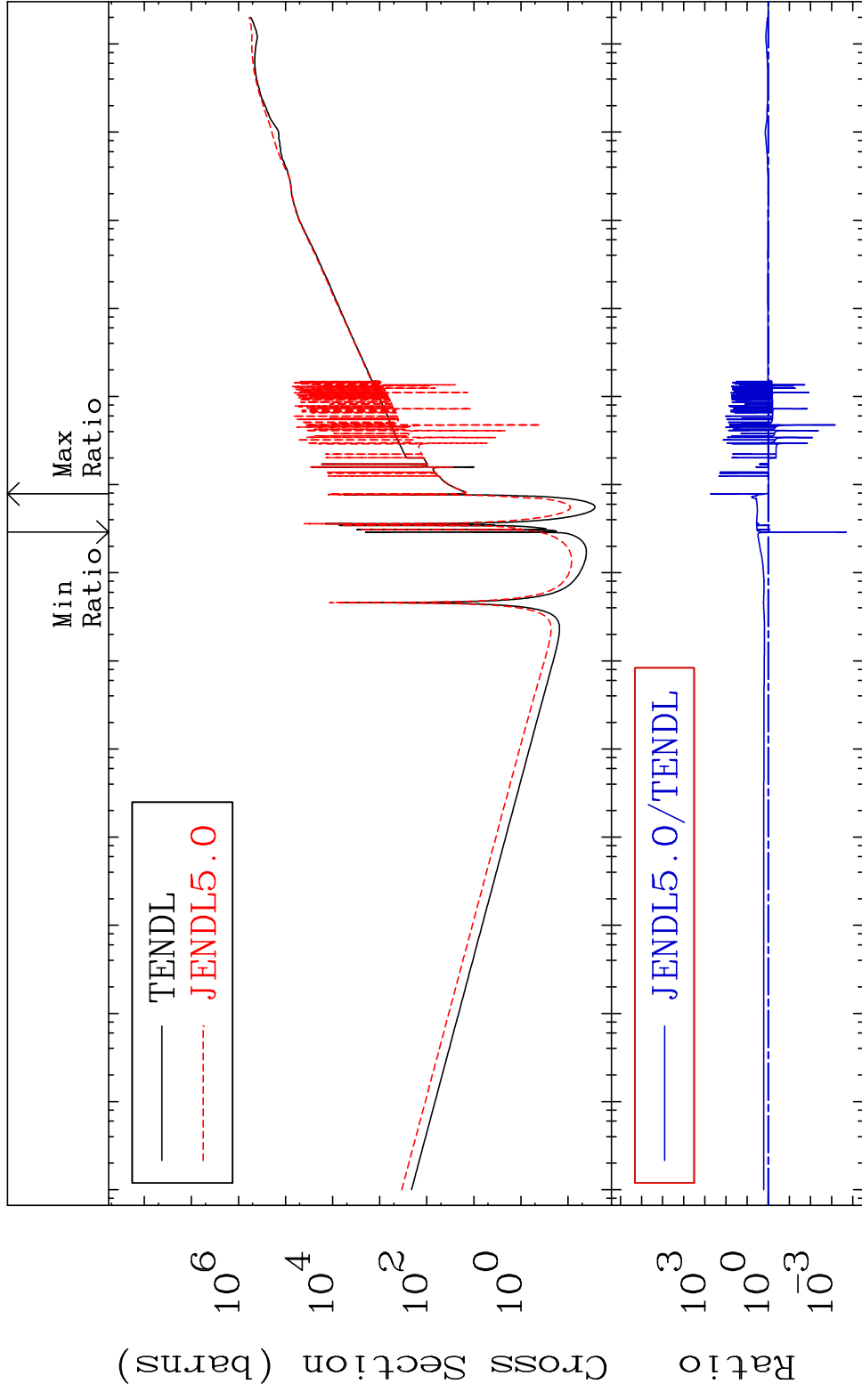


57 Incident Energy (eV) 50-Sn-118

MAT 5043 Total kinematic kerma (high limit) 50-Sn-118
 Cross Section -99.93 To 9999. %



MAT 5043 Dpa total (eV-barns) 50-Sn-118
 Cross Section -99.98 To 9999. %



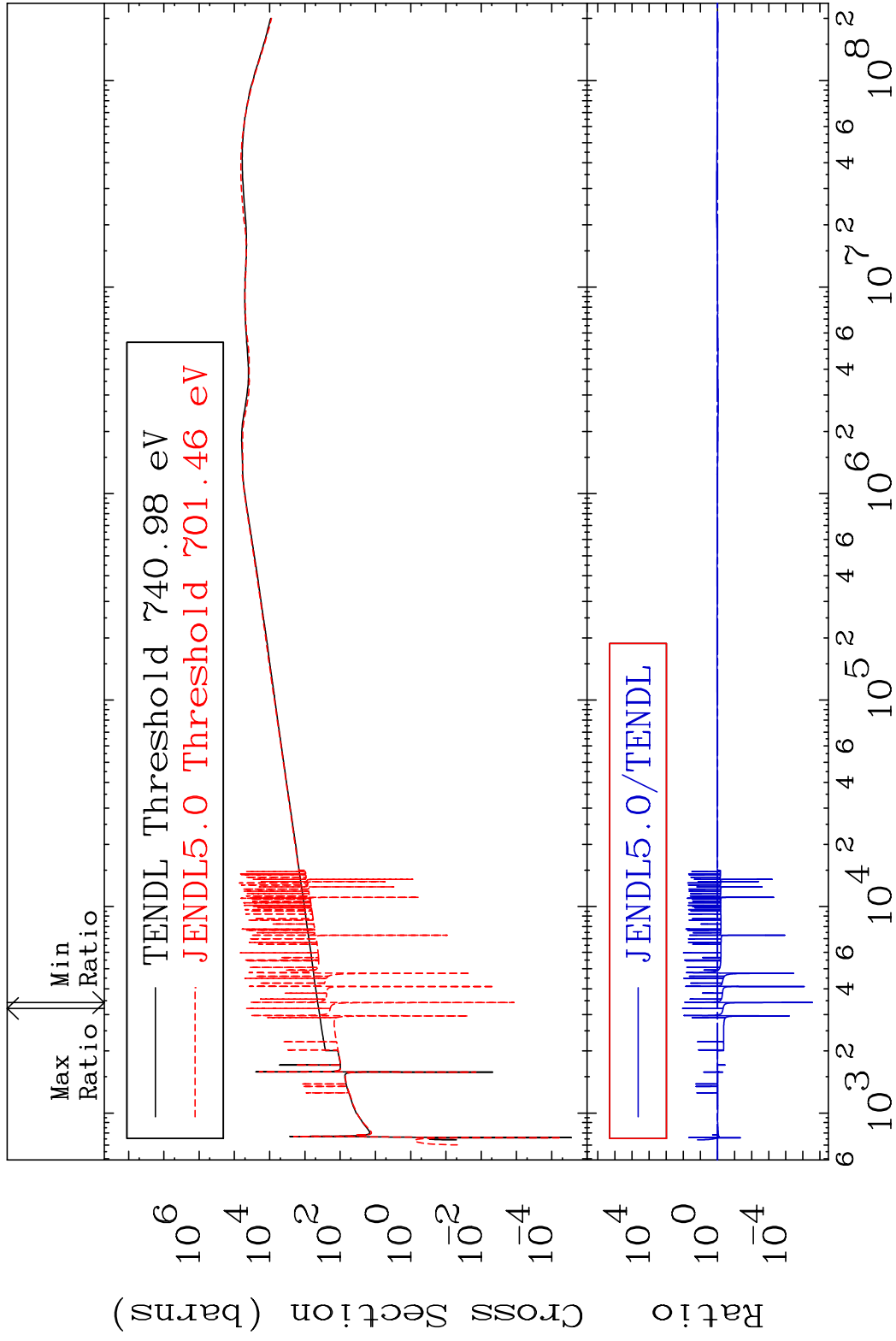
59 Incident Energy (eV) 50-Sn-118

MAT 5043

Dpa elastic (mt2)

50-Sn-118

Cross Section -100.0 To 9999. %

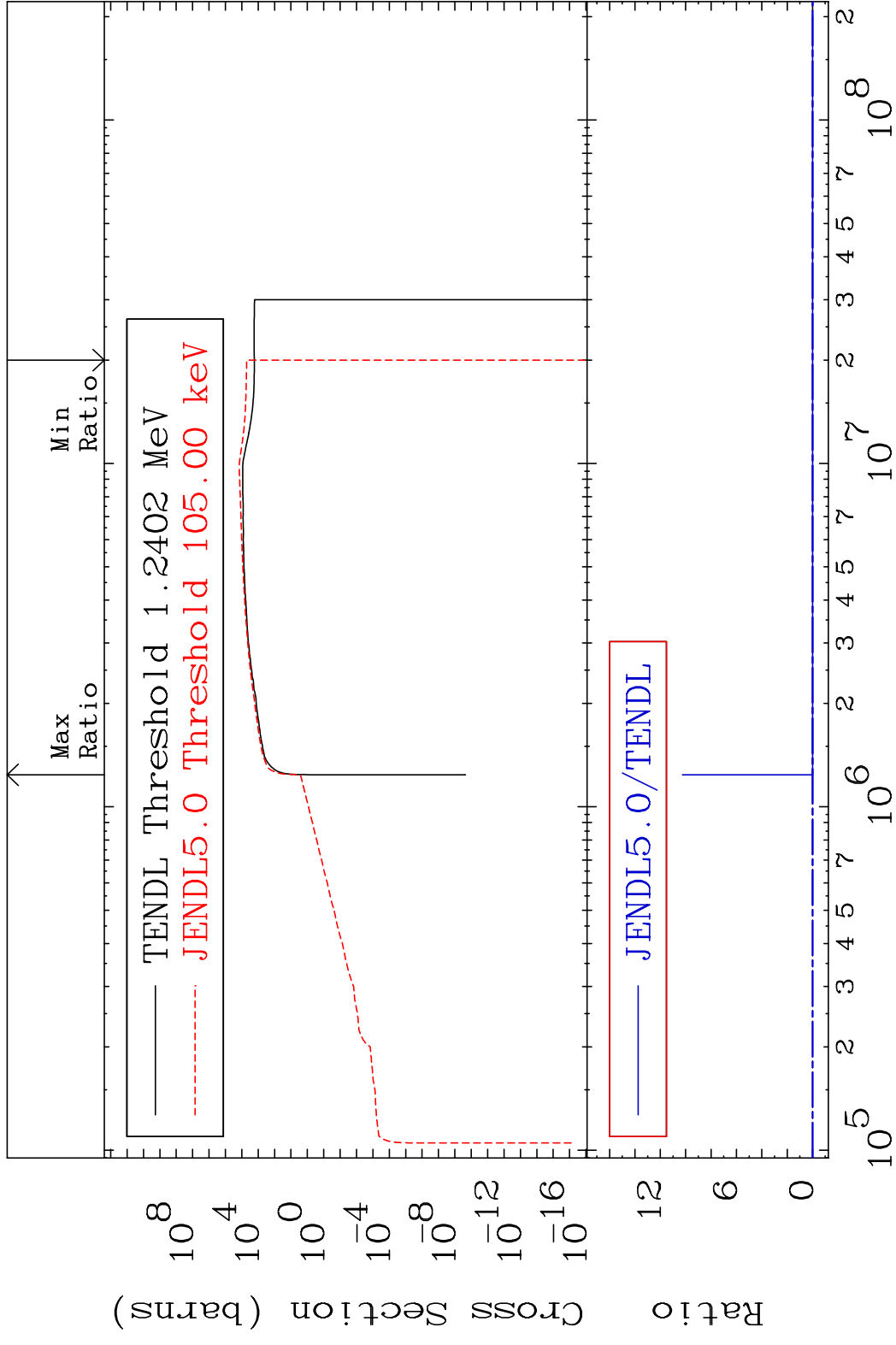


60

Incident Energy (eV)

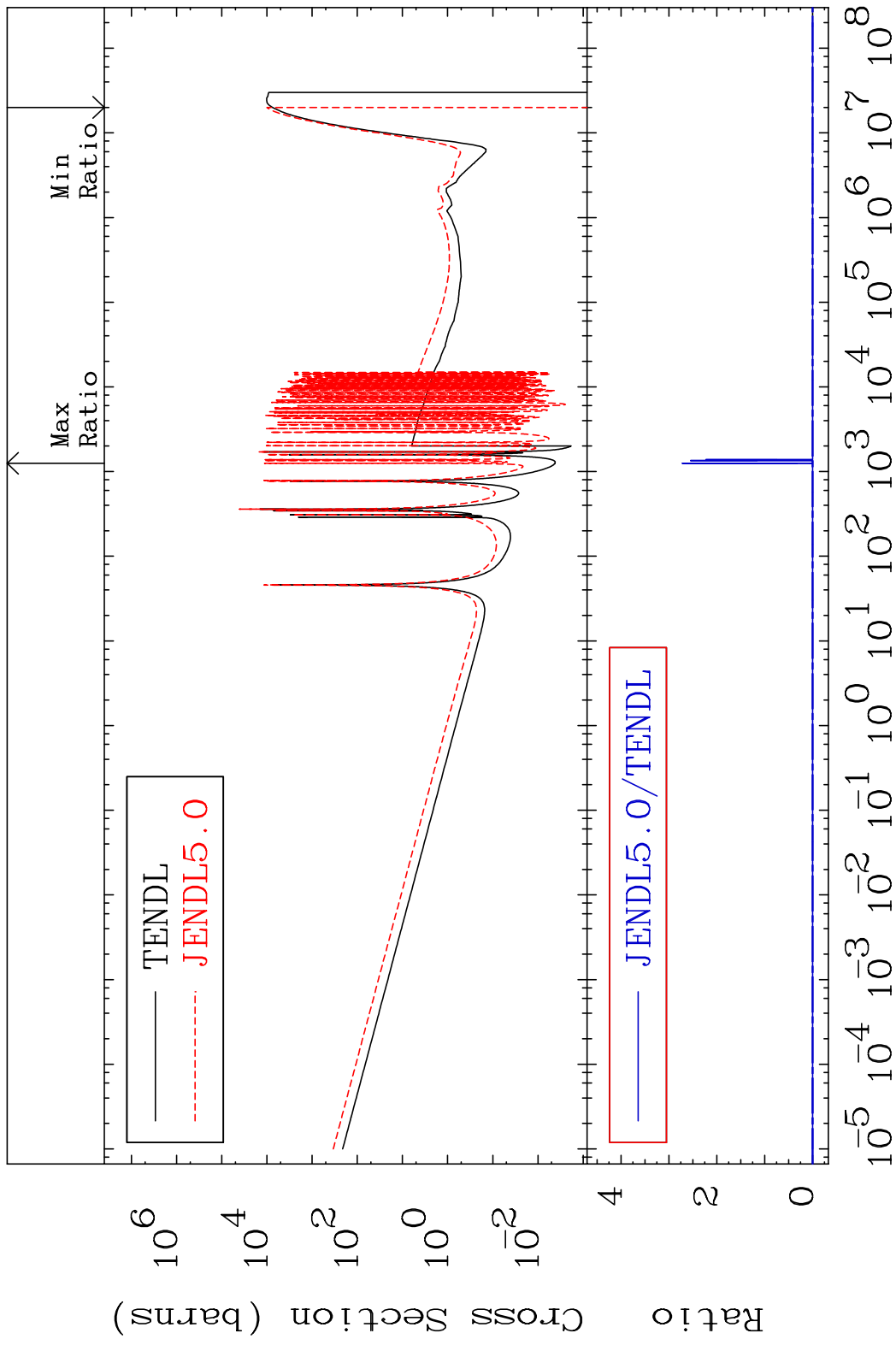
50-Sn-118

MAT 5043 Dpa inelastic (mt51-91) 50-Sn-118
 Cross Section -100.0 To 9999. %

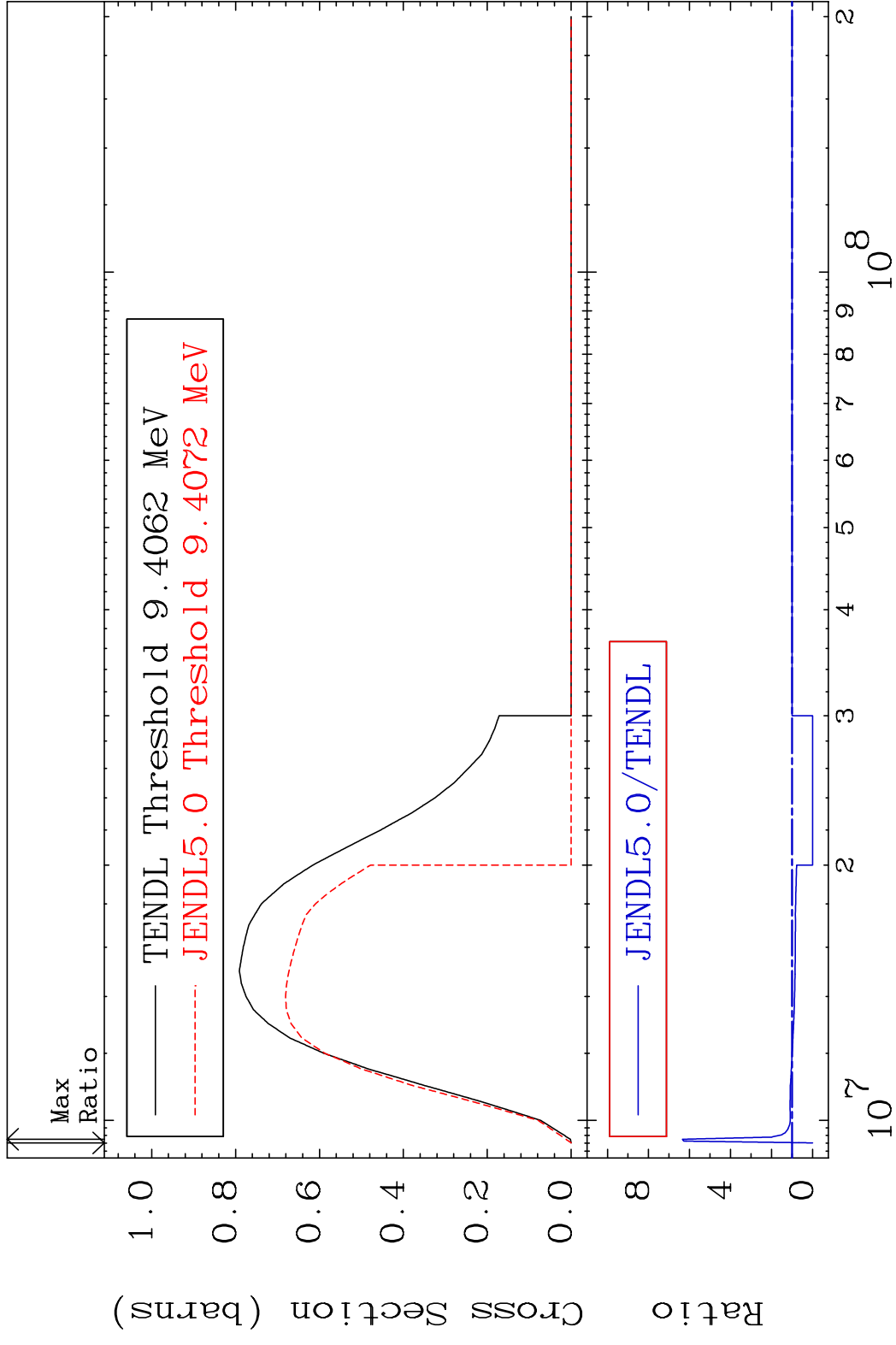


61 Incident Energy (eV) 50-Sn-118

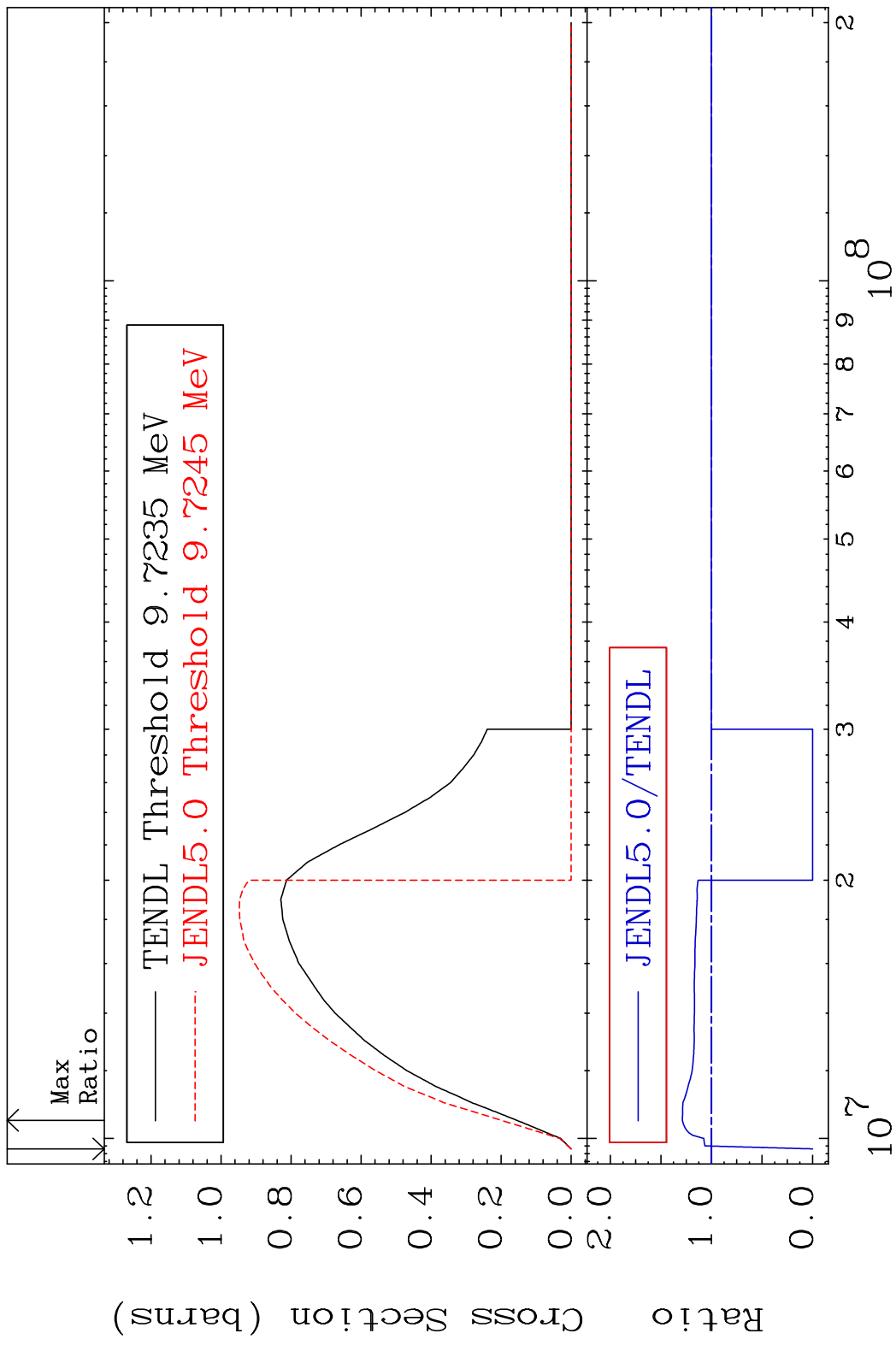
MAT 5043 Dpa disappearance (mt102 -120) 50-Sn-118
 Cross Section -100.0 To 9999. %



MAT 5043 (n,2n):50-Sn-117g 50-Sn-118
 Radionuclide Production Cross Section Ratio 534.9 %

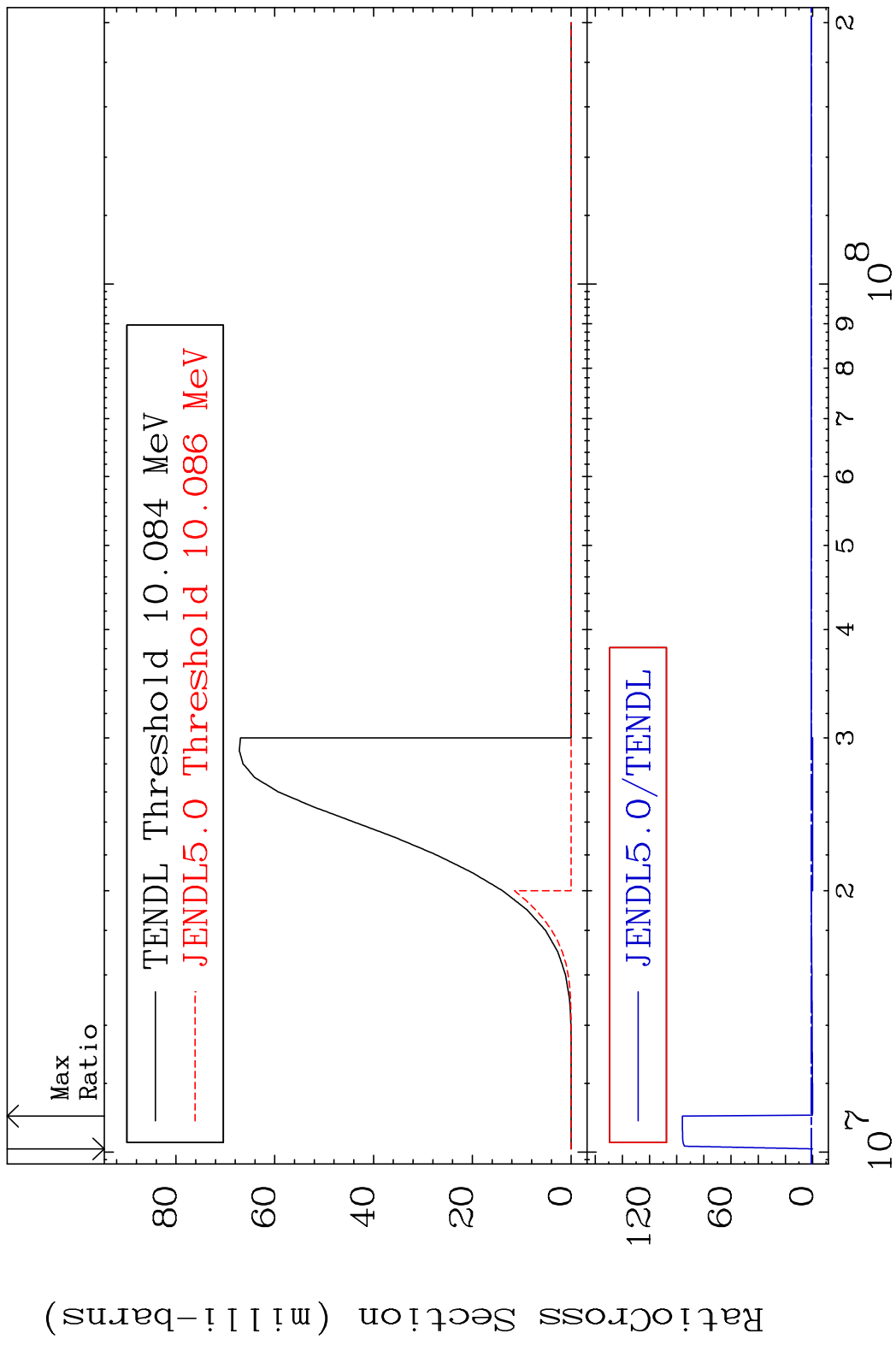


MAT 5043 (n,2n):50-Sn-117m2 50-Sn-118
 Radionuclide Production Cross Section Ratio 28.79 %

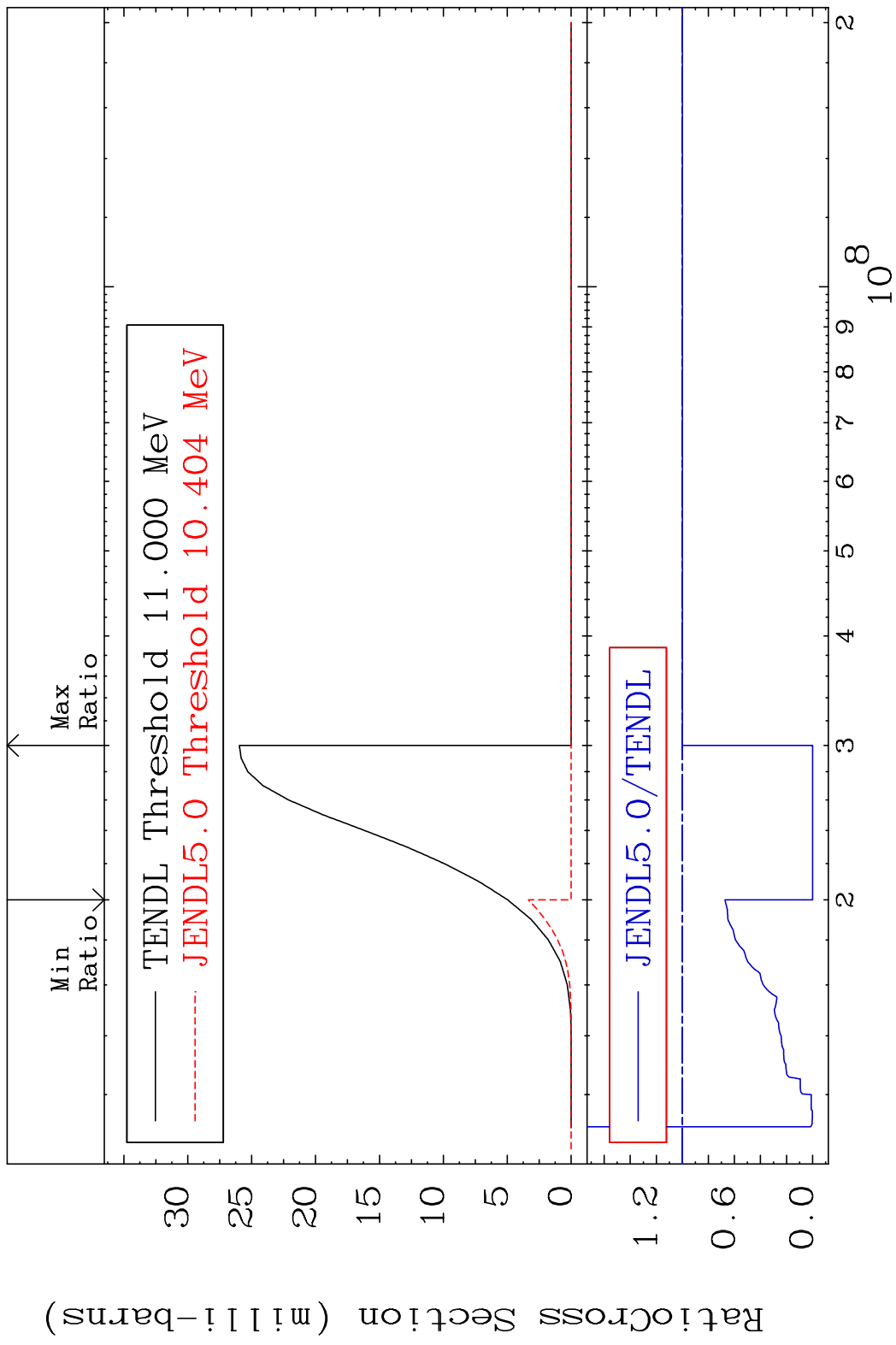


64 Incident Energy (eV) 50-Sn-118

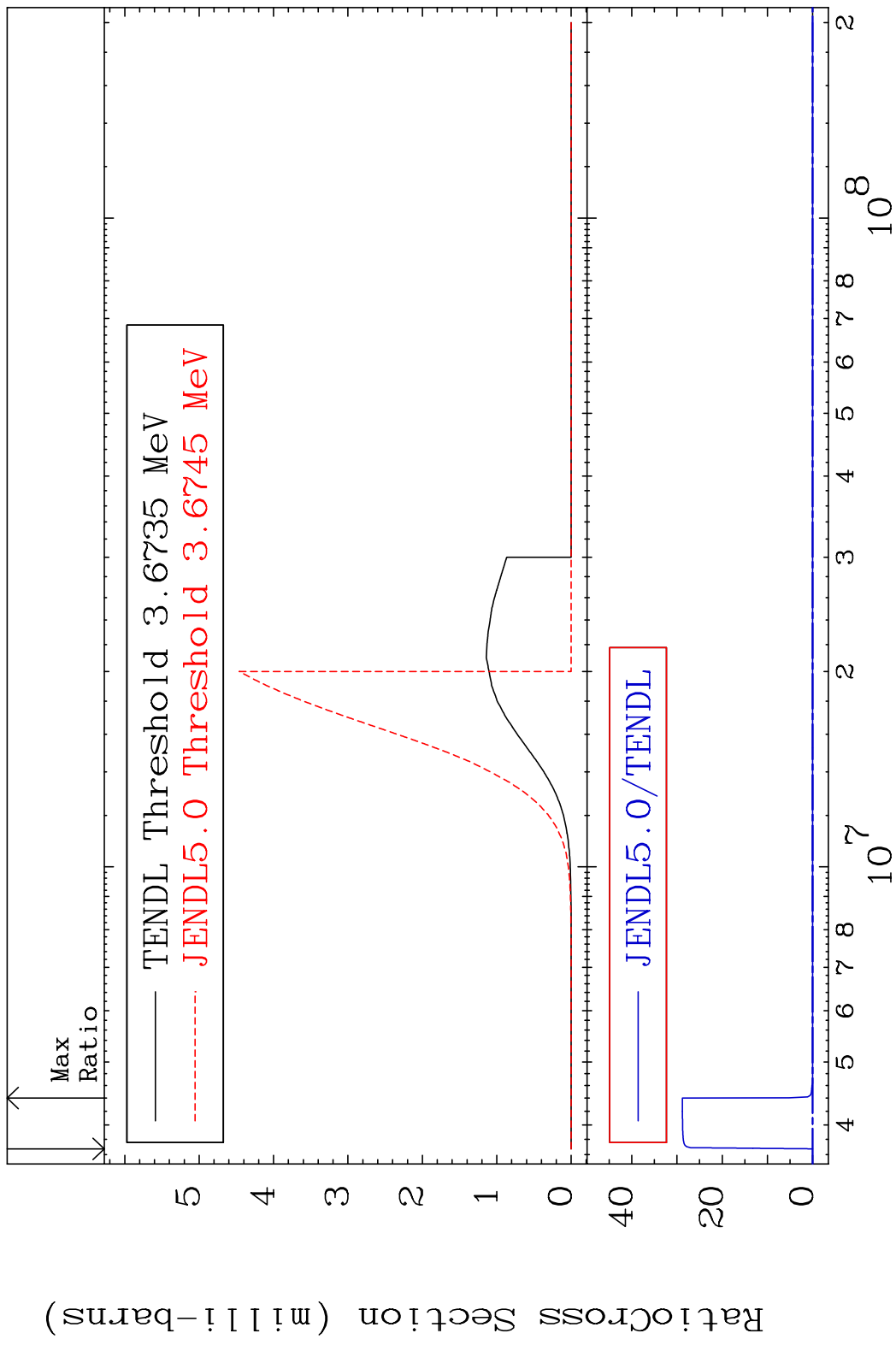
MAT 5043 (n, n') p:49-In-117g 50-Sn-118
 Radionuclide Production Cross Section to 9486. %



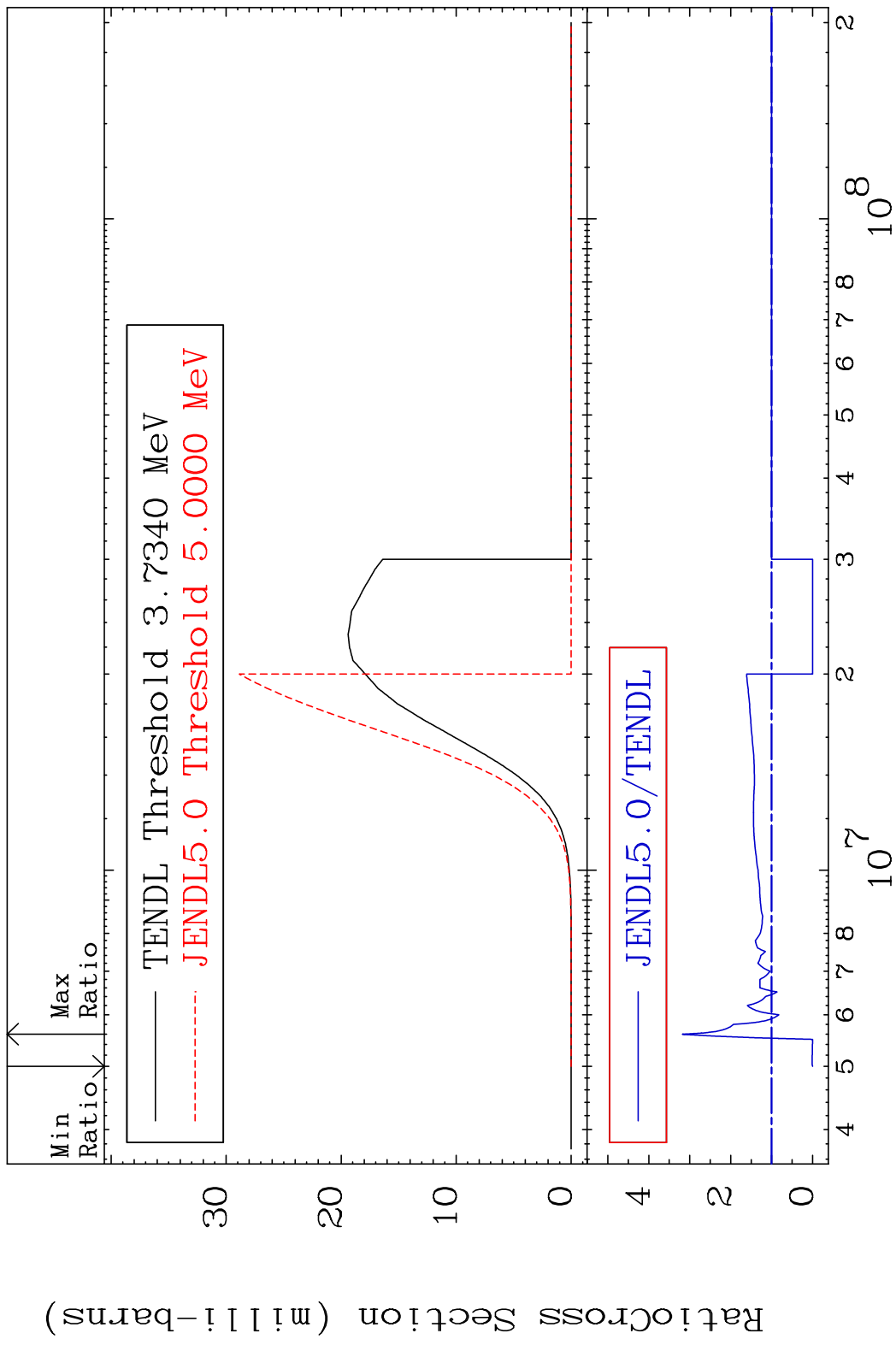
65 Incident Energy (eV) 50-Sn-118

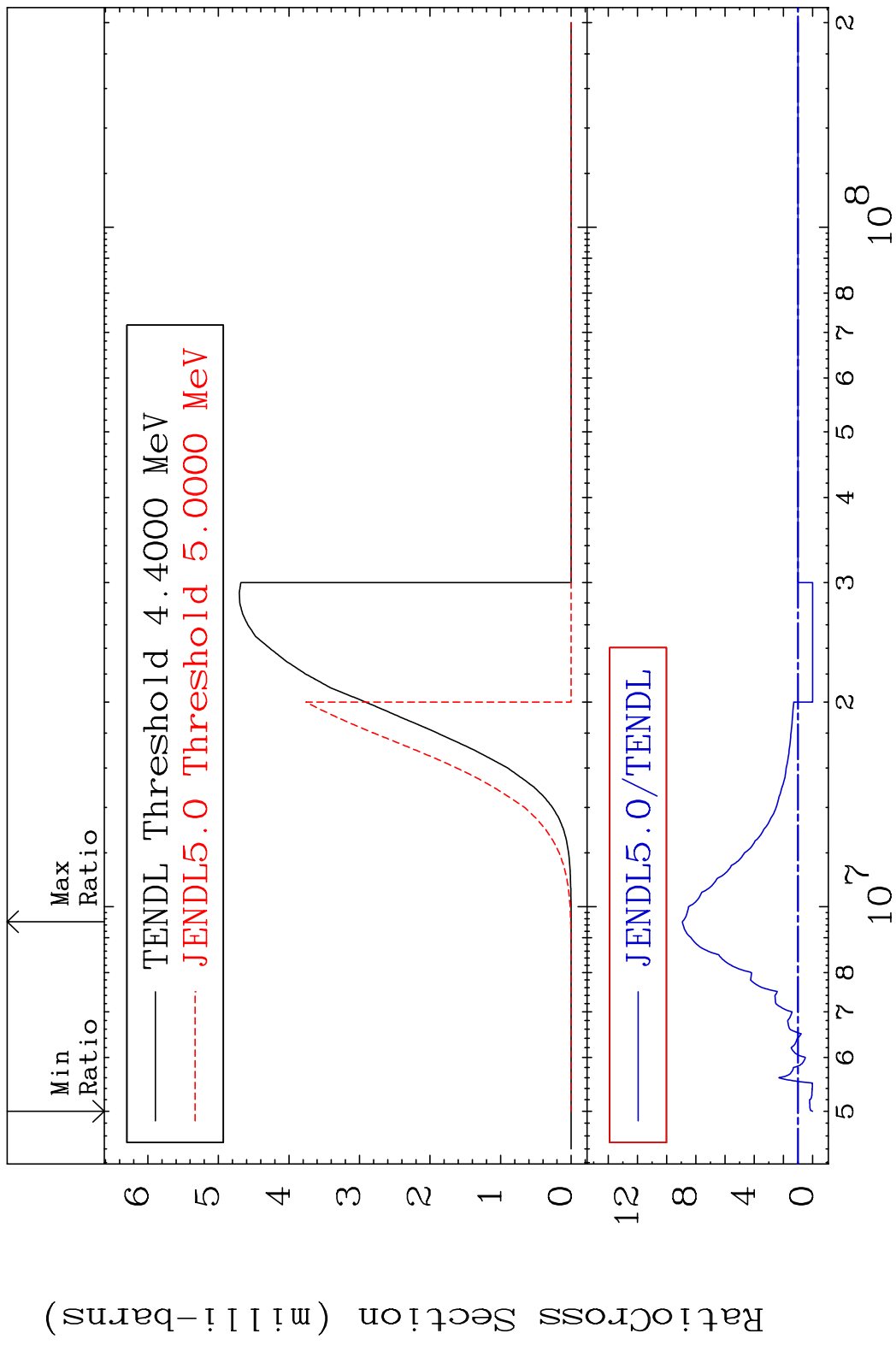


MAT 5043 (n,p):49-In-118 50-Sn-118
 Radionuclide Production Cross Section to 9999. %

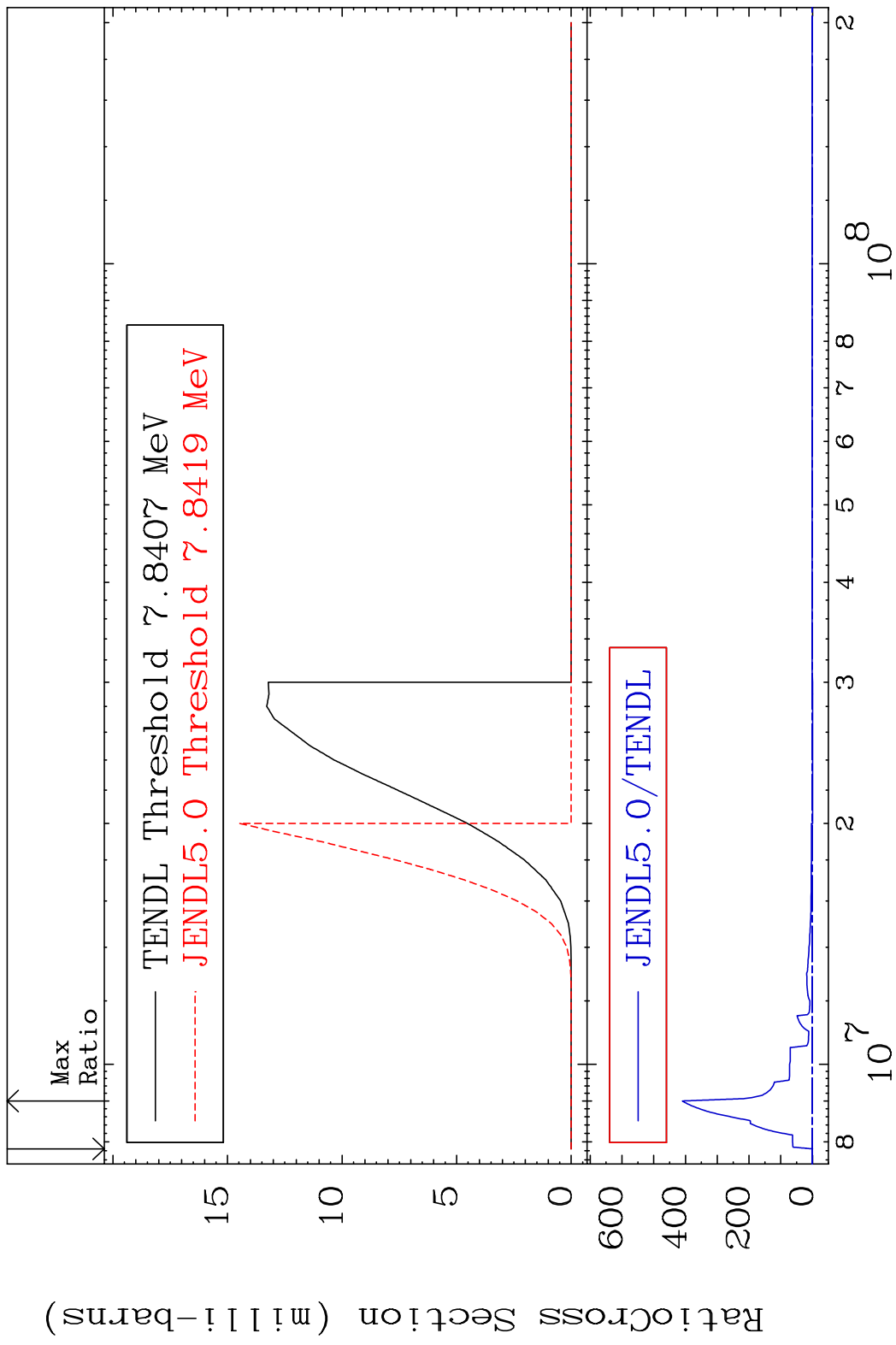


MAT 5043 (n, p): 49-In-118m1 50-Sn-118
 Radionuclide Production Cross Section 180.0 mb 218.0 %



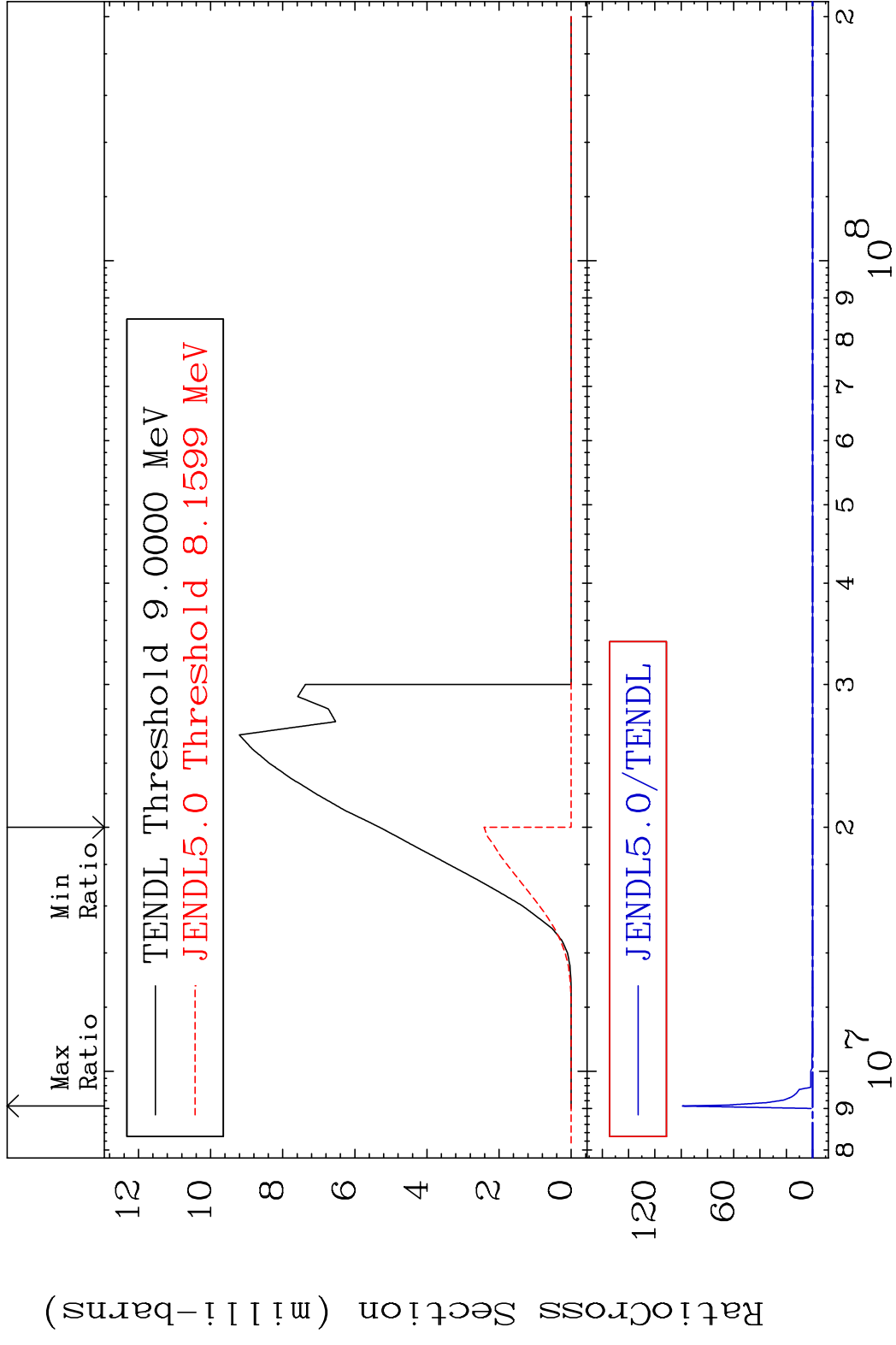


MAT 5043 (n,d):49-In-117g 50-Sn-118
 Radionuclide Production Cross Section 100.00 %

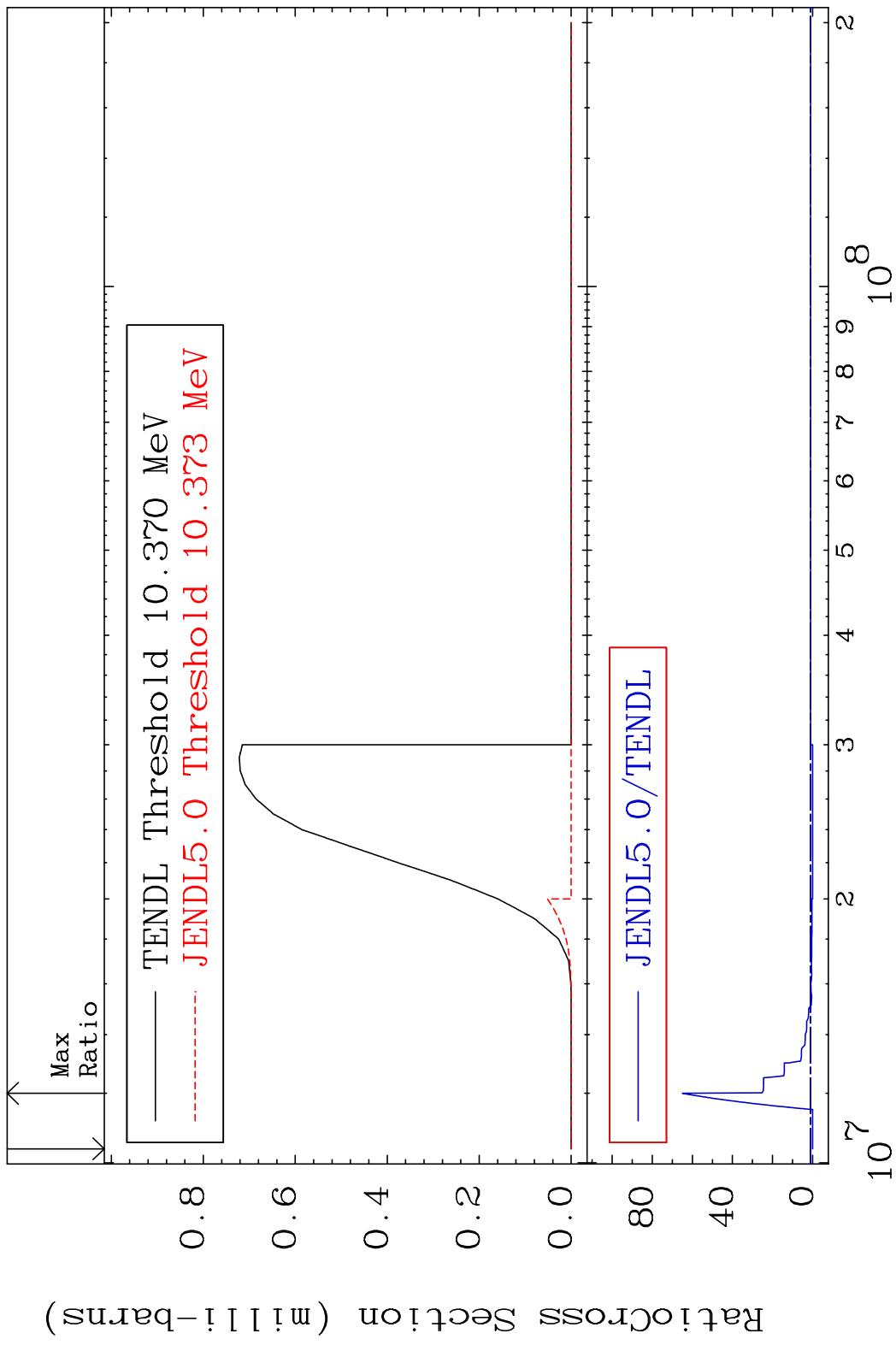


70 Incident Energy (eV) 50-Sn-118

MAT 5043 (n, d): 49-In-117m1 50-Sn-118
 Radionuclide Production Cross Section (%)



MAT 5043 (n,t):49-In-116g 50-Sn-118
 Radionuclide Production Cross Section Ratio 6399. %



72 Incident Energy (eV) 50-Sn-118

