

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

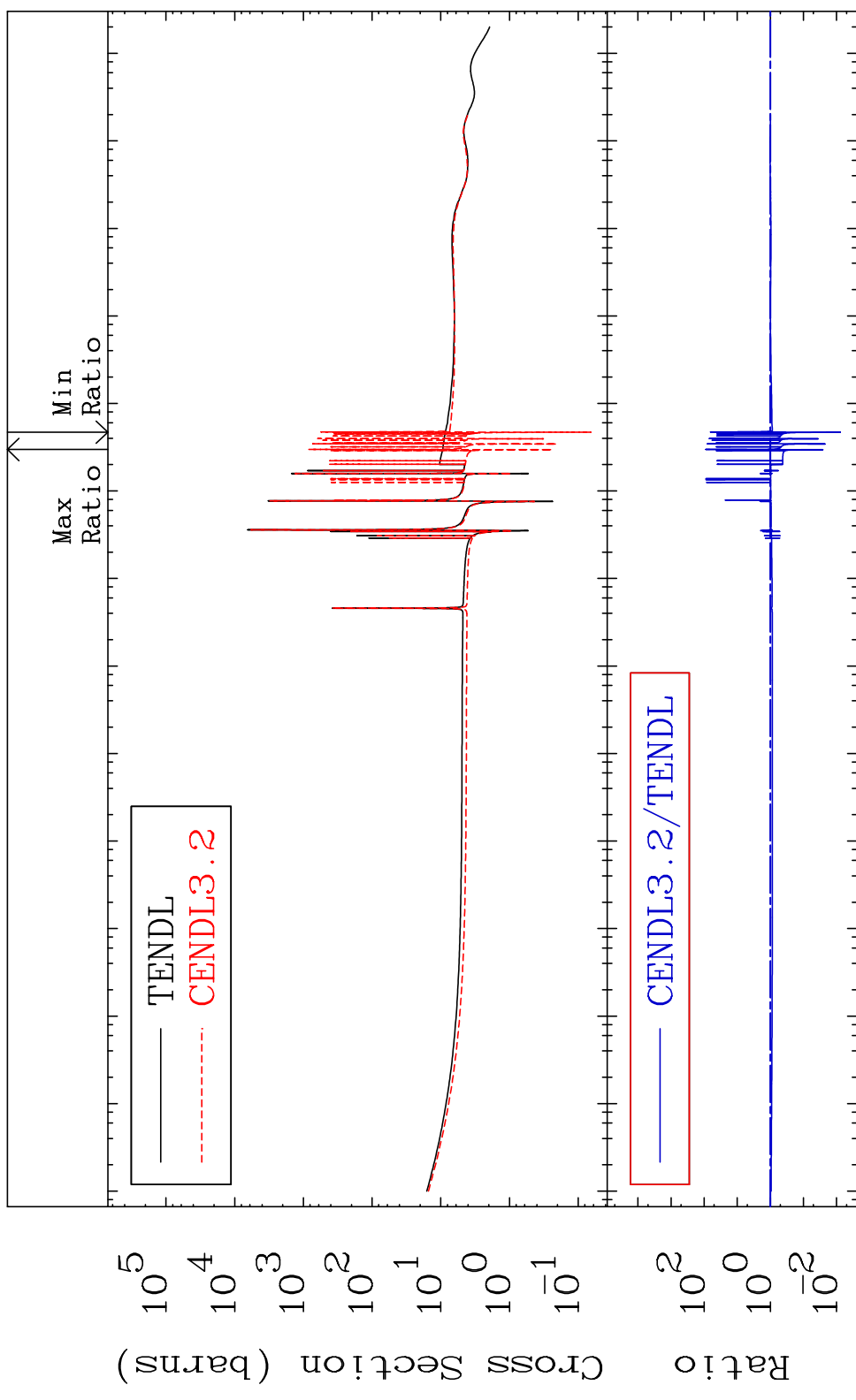
MAT 5043

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

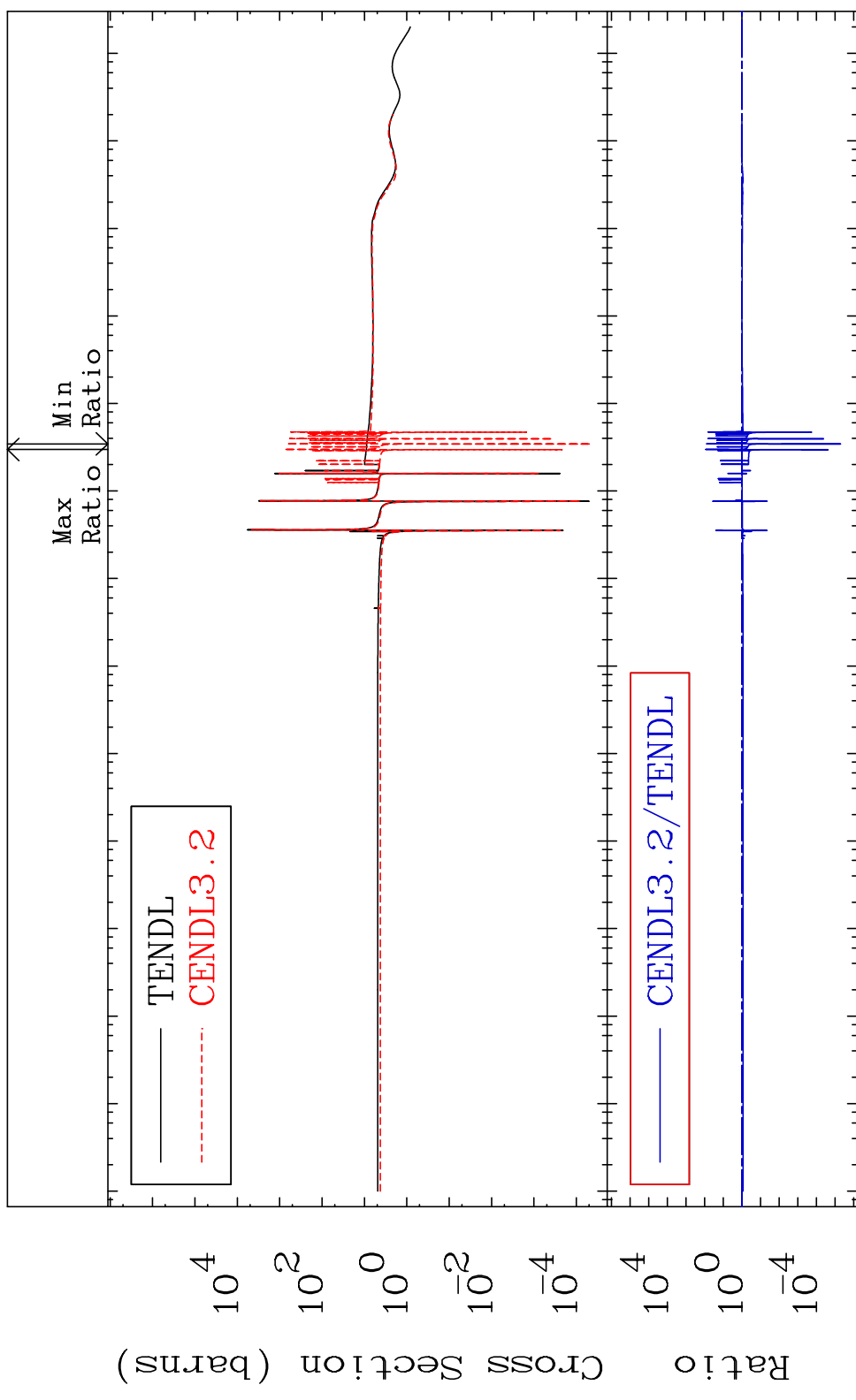
1

Incident Energy (eV)

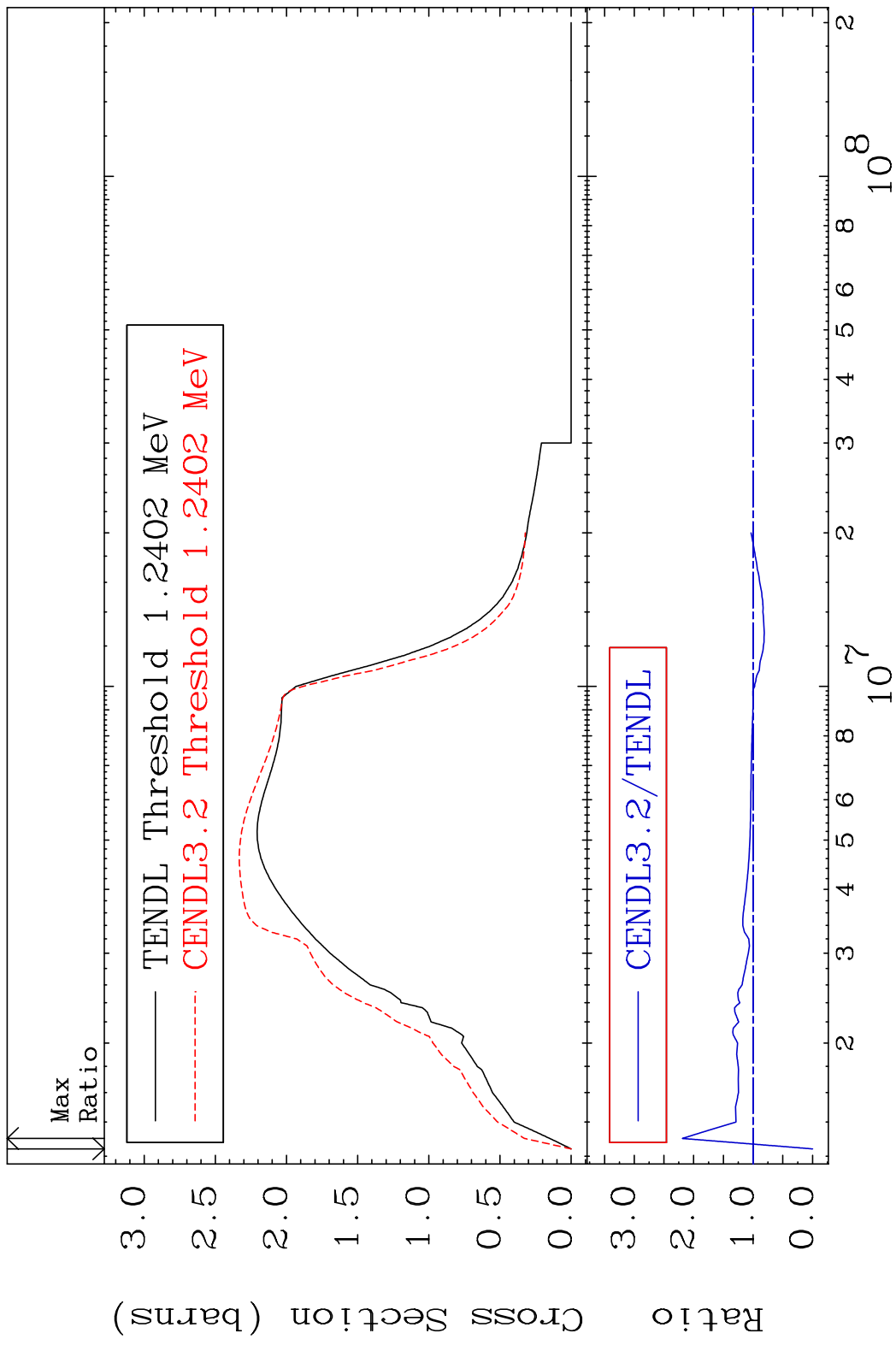
50-Sn-118

MAT 5043

Elastic Cross Section -100.0 To 8670. %
50-Sn-118



MAT 5043 Inelastic 50-Sn-118
 Cross Section -100.0 To 119.0 %



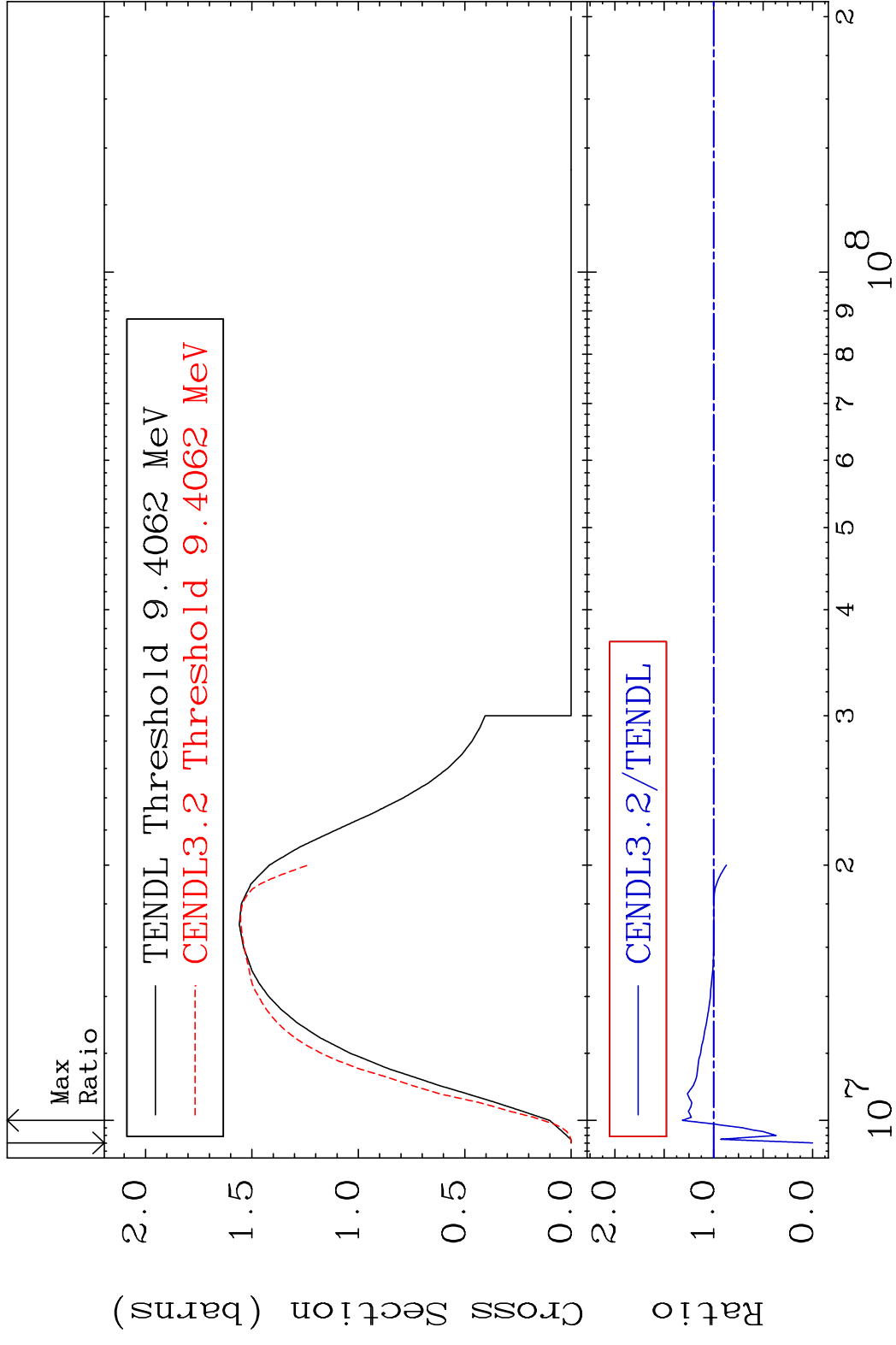
3 Incident Energy (eV) 50-Sn-118

MAT 5043

(n,2n)

50-Sn-118

Cross Section -100.0 To 31.70 %



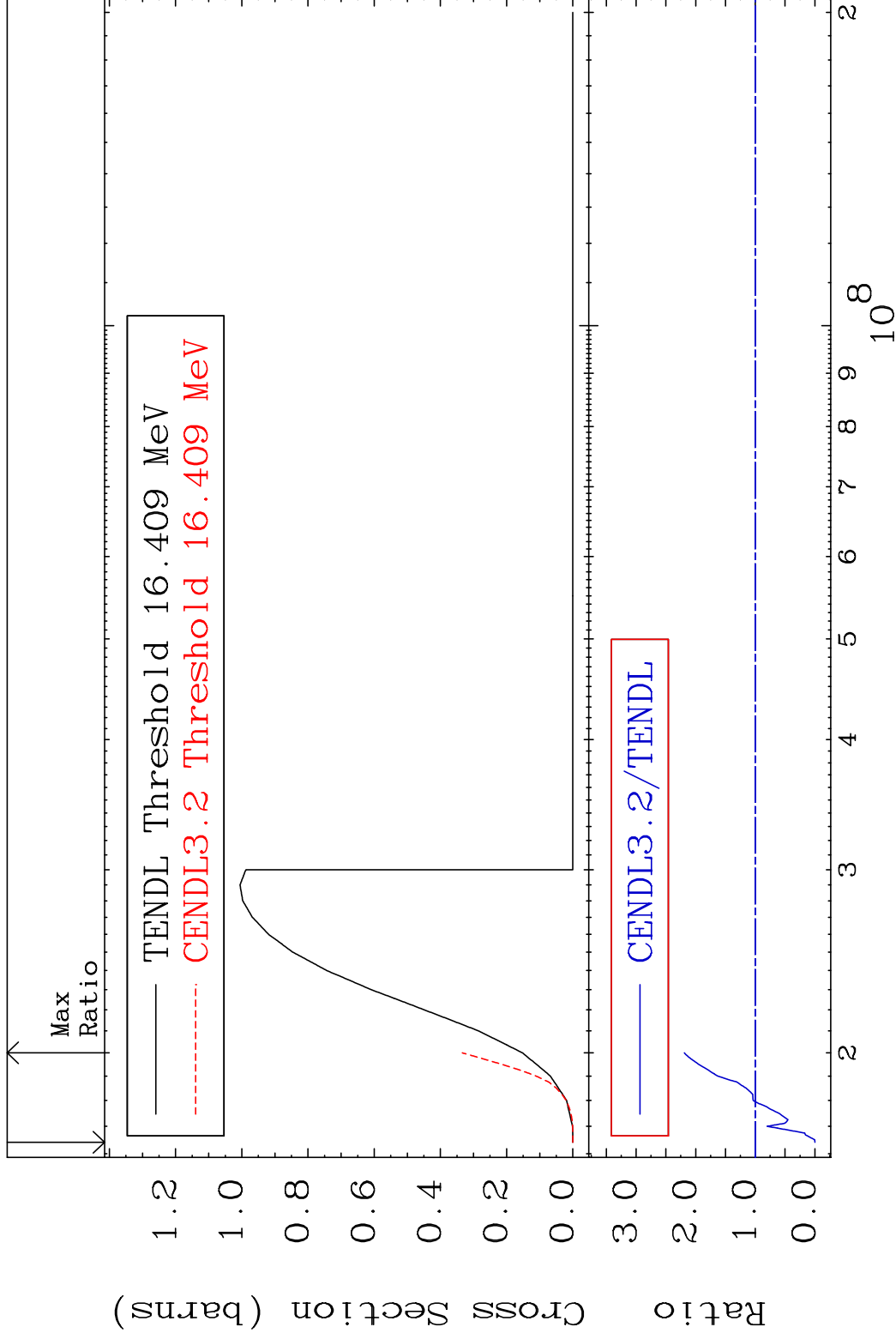
4 Incident Energy (eV) 50-Sn-118

MAT 5043

(n,3n)

50-Sn-118

Cross Section -100.0 To 119.1 %

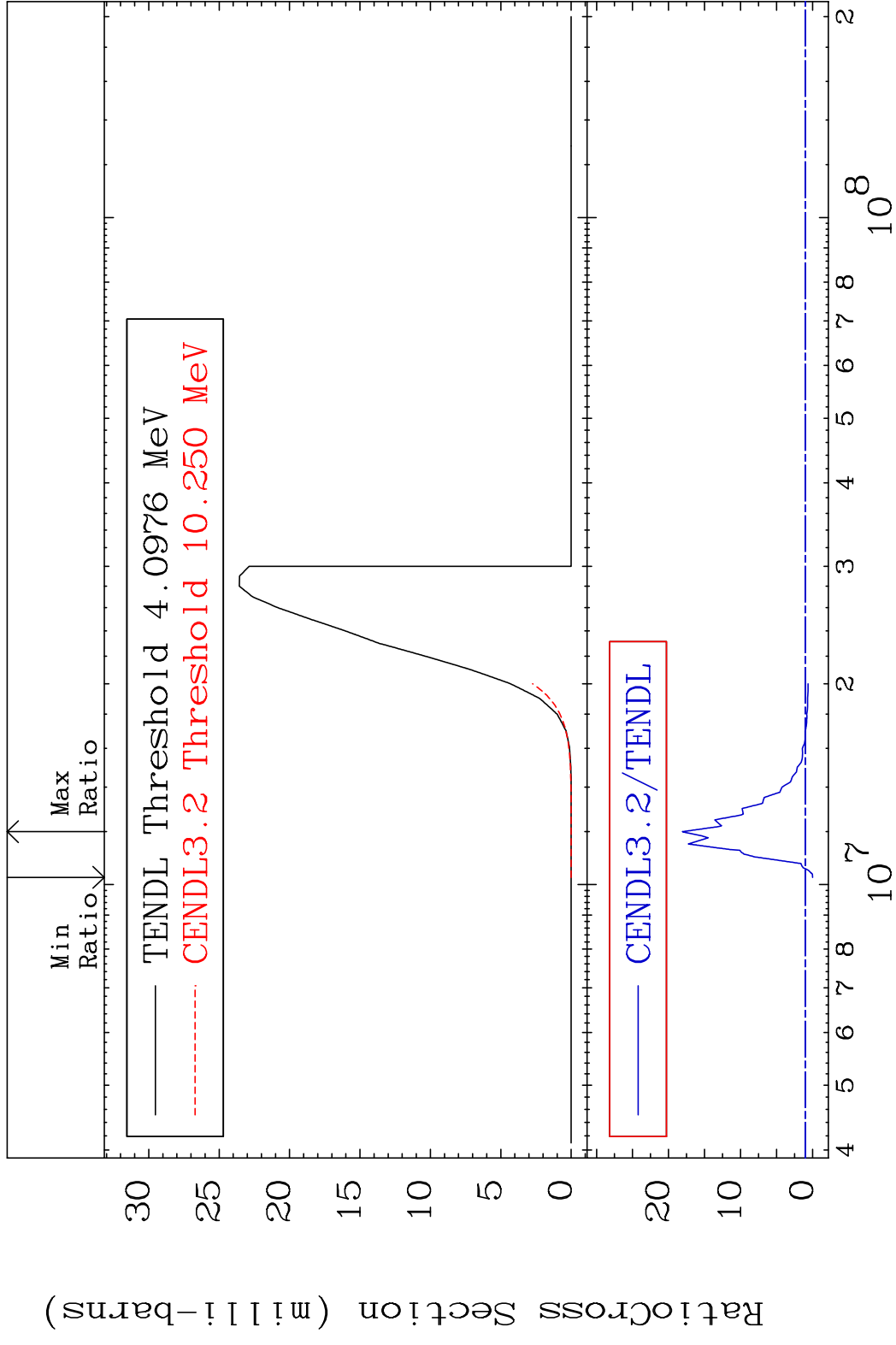


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Incident Energy (eV)

50-Sn-118

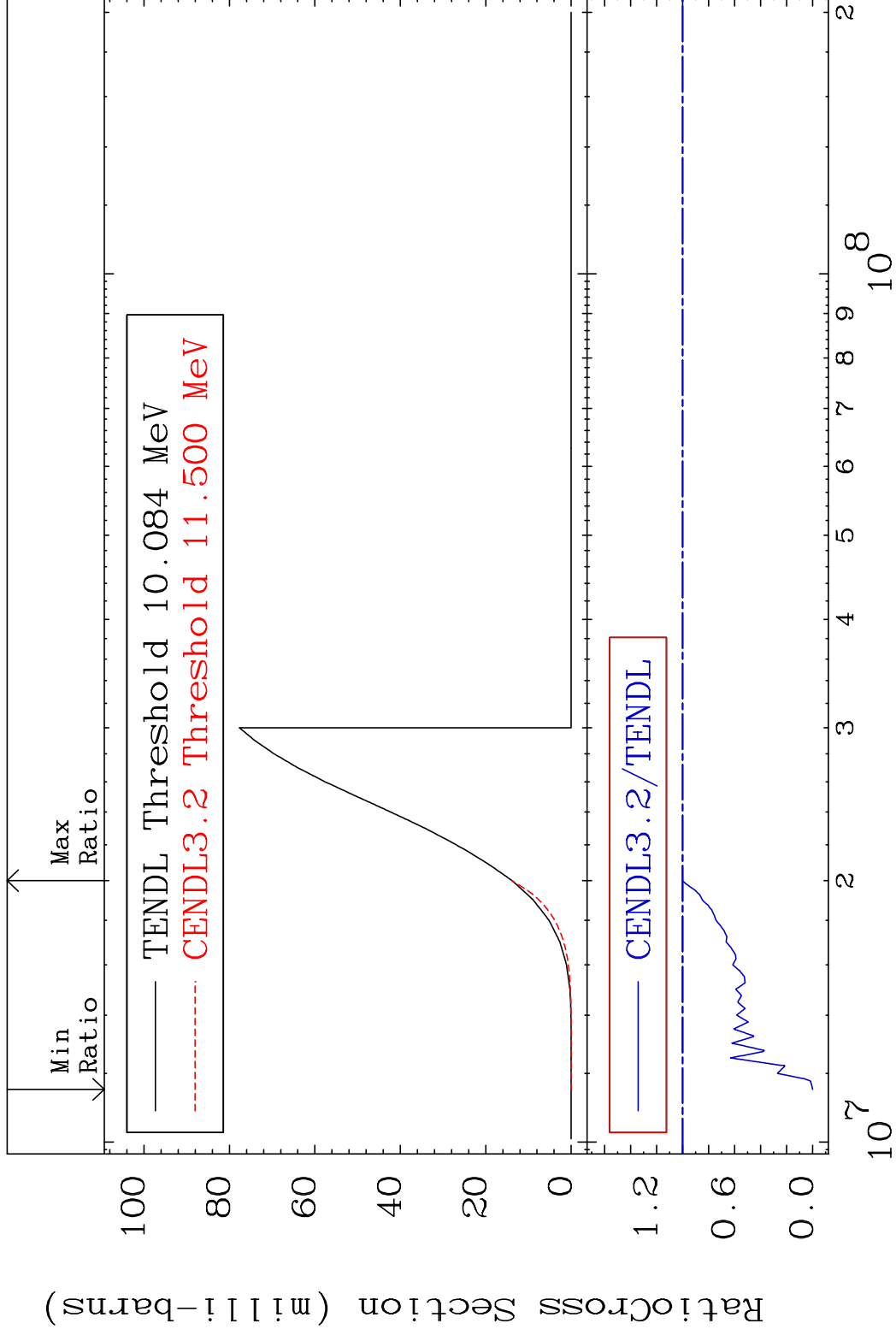
MAT 5043 (n, n') α 50-Sn-118
 Cross Section -100.0 To 1708. %



MAT 5043

(n, n') p 50-Sn-118

Cross Section -100.0 To 0.186 %

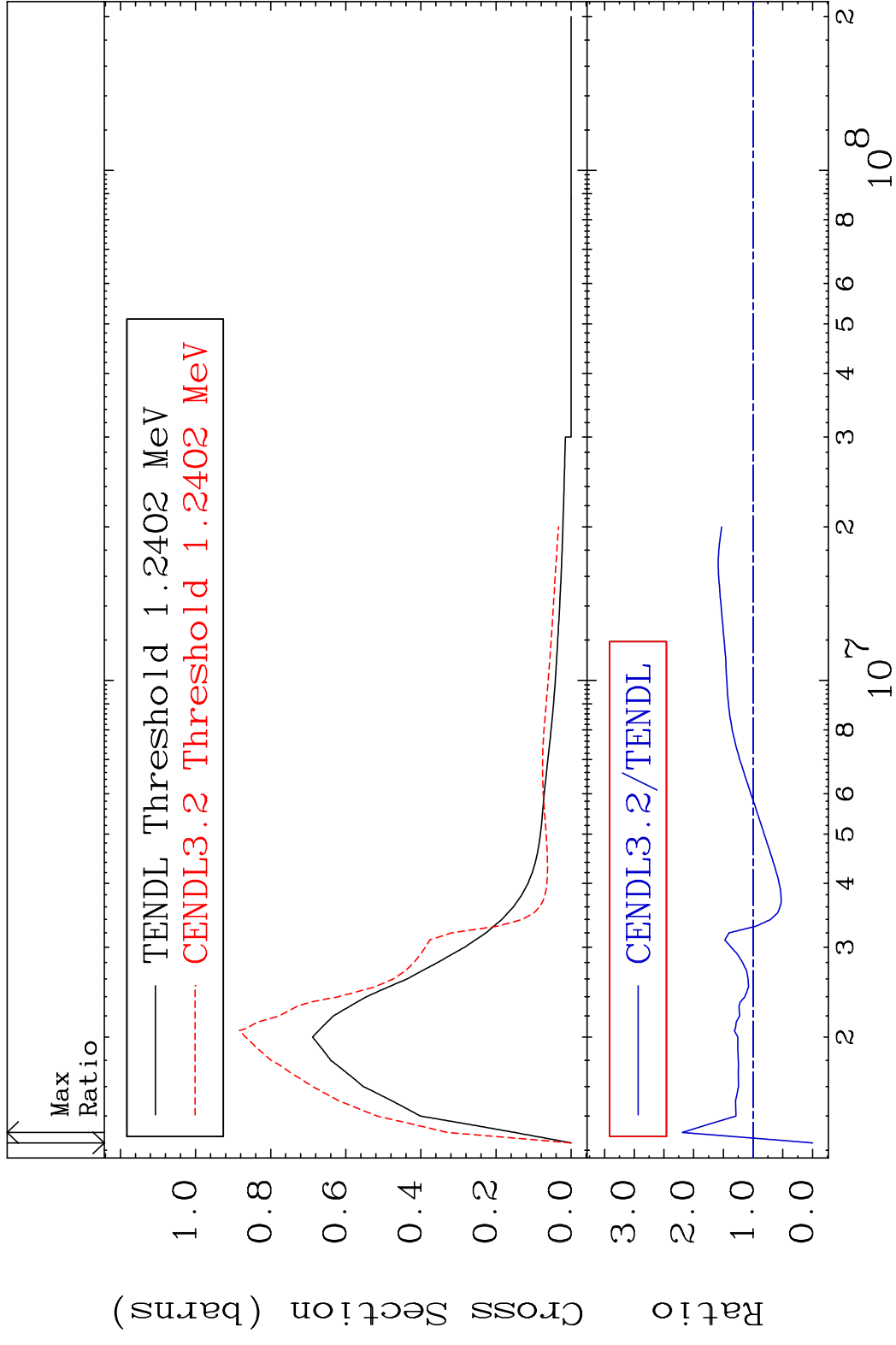


7

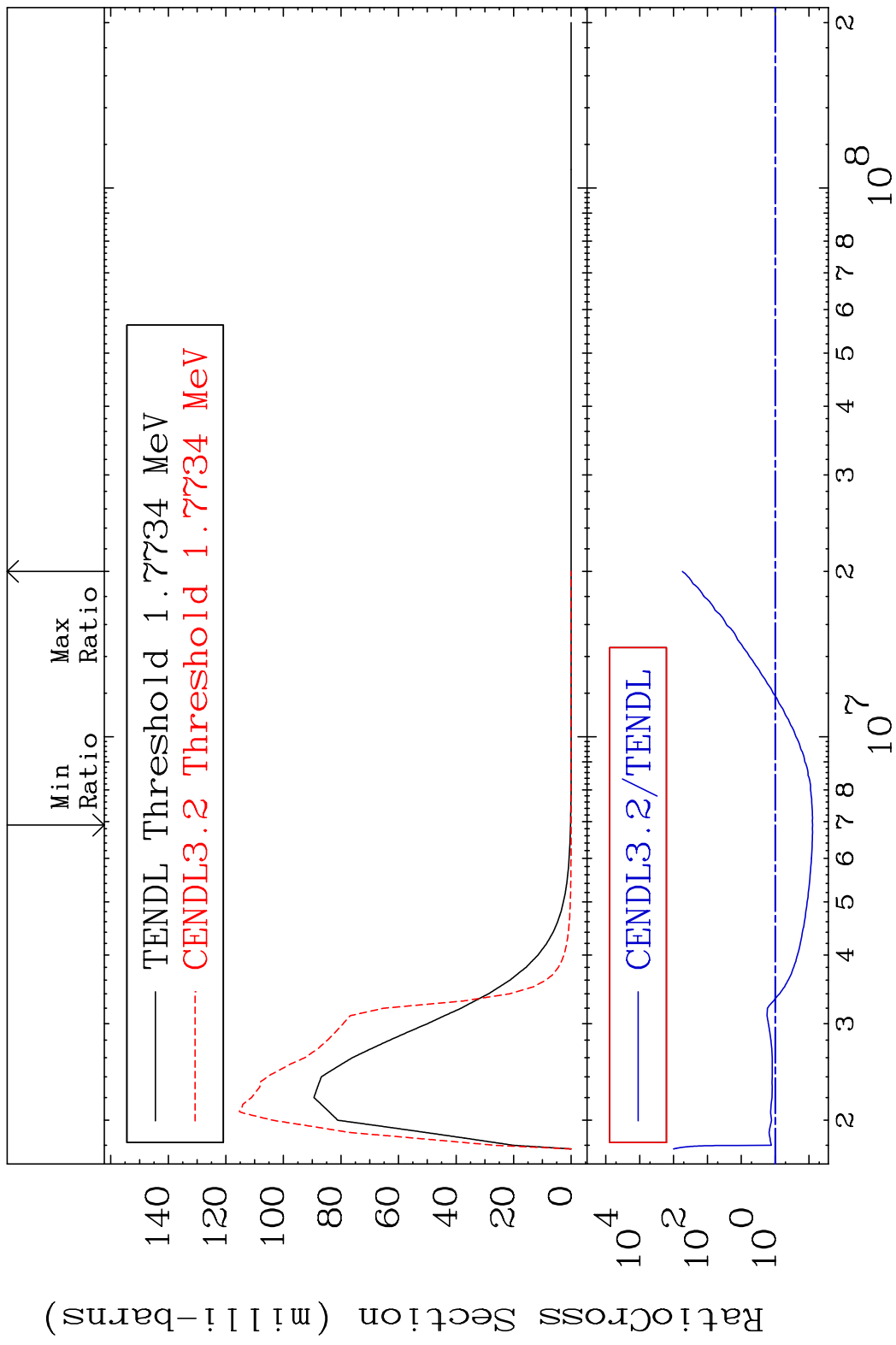
Incident Energy (eV)

50-Sn-118

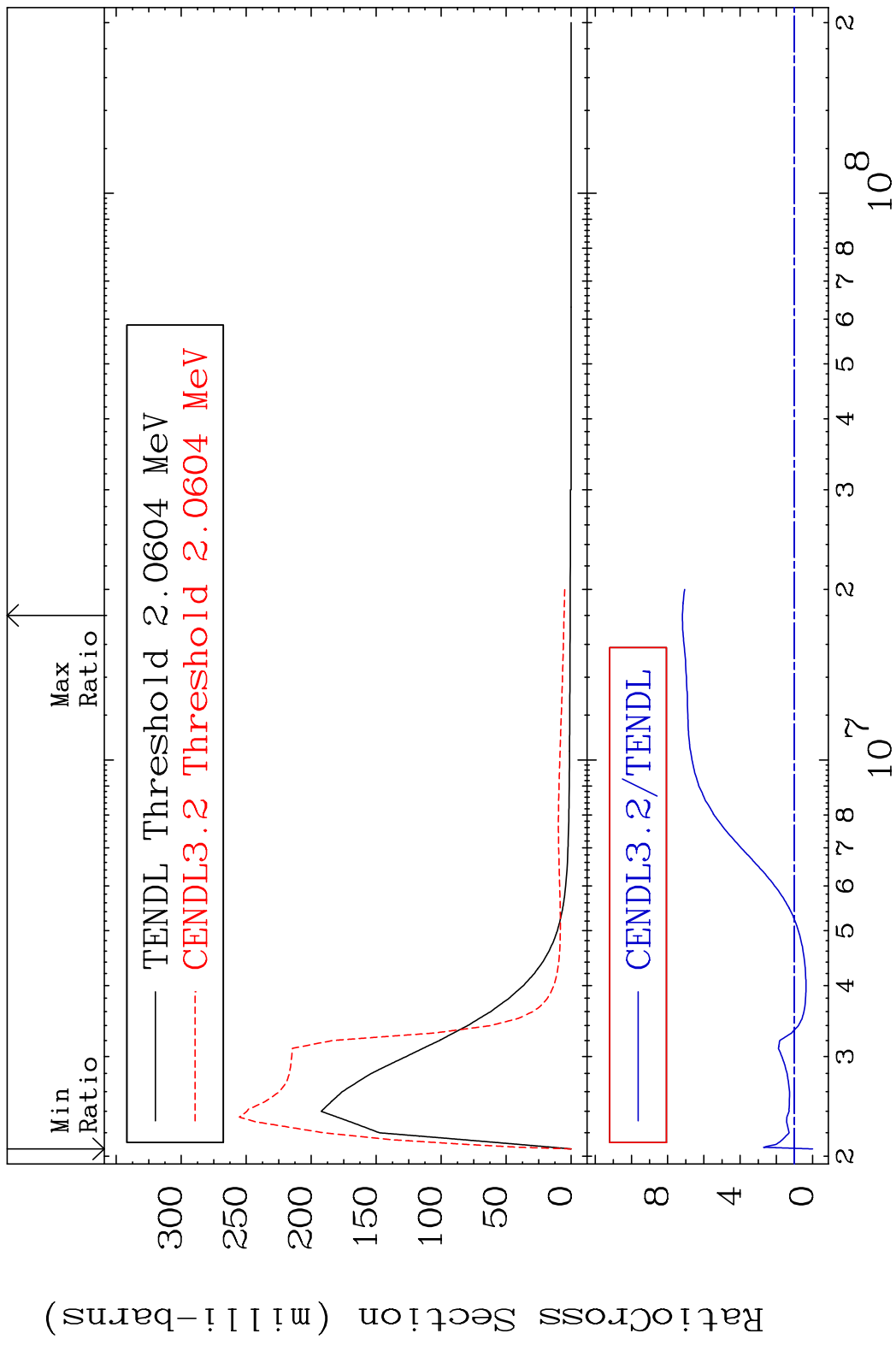
MAT 5043 MT= 51 (n,n') Level 50-Sn-118
 Cross Section -100.0 To 119.0 %



MAT 5043 MT= 52 (n, n') Level 50-Sn-118
 Cross Section -92.12 To 9999. %

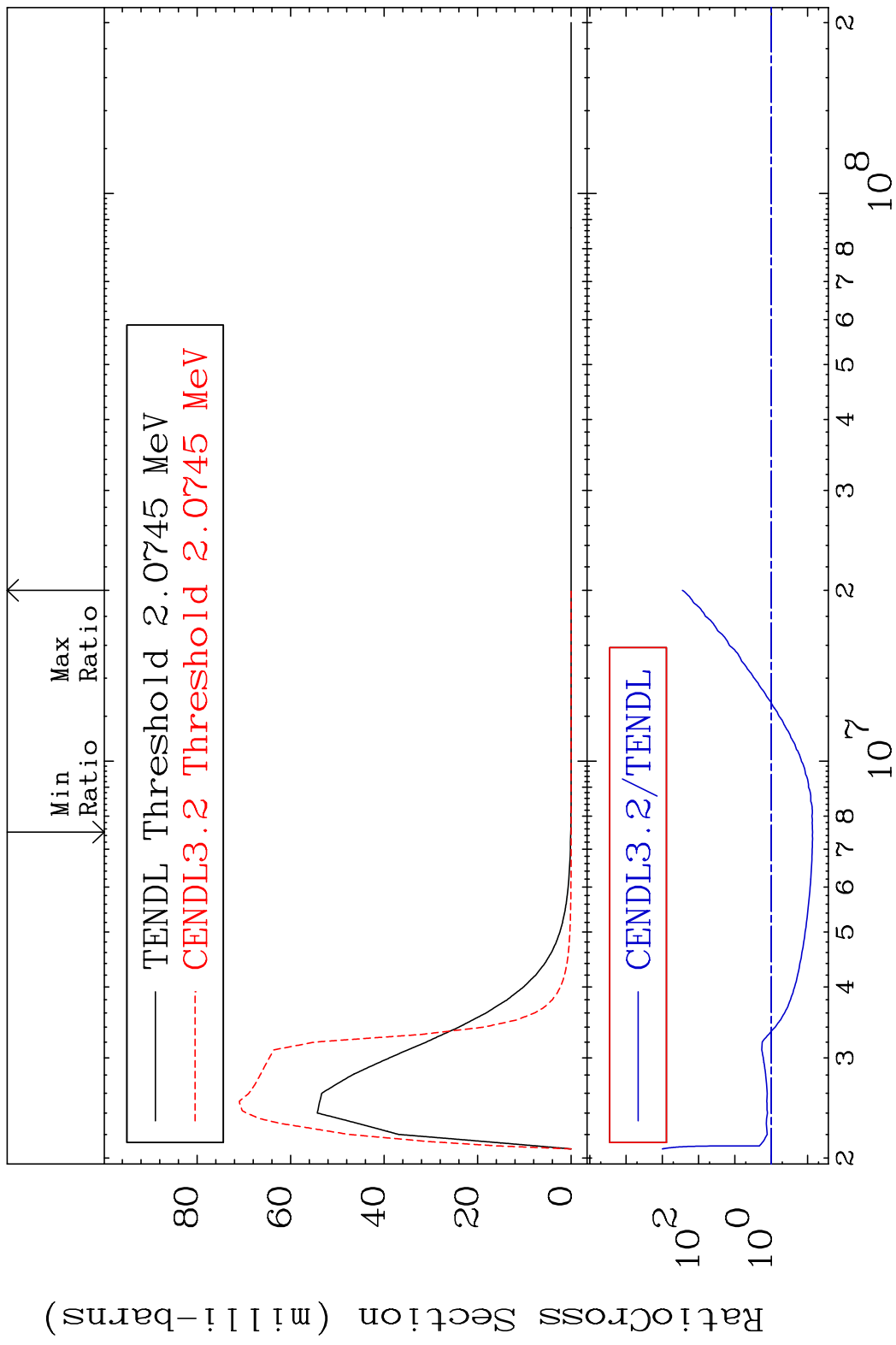


MAT 5043 MT= 53 (n, n') Level 50-Sn-118
 Cross Section -100.0 To 618.8 %



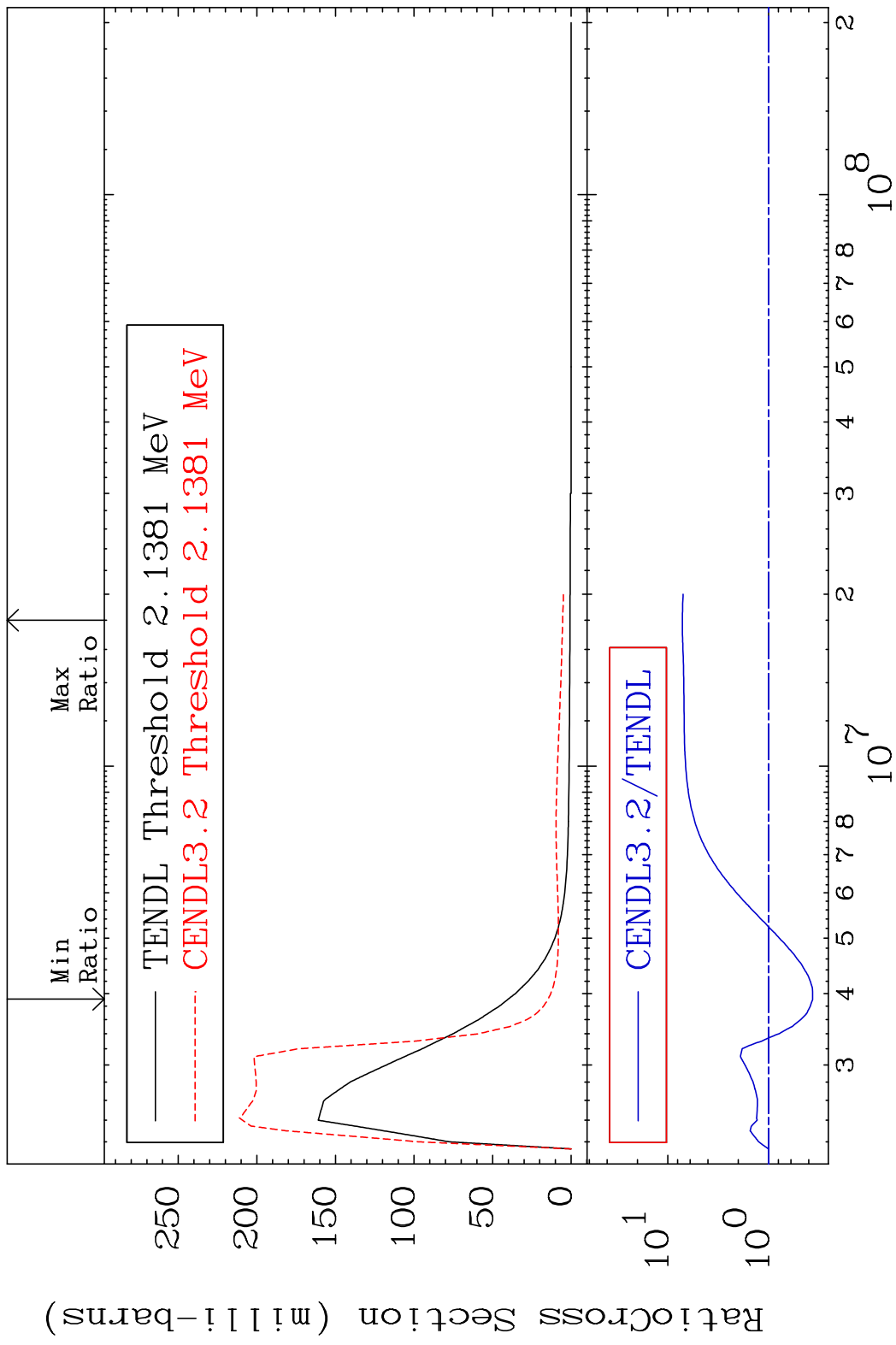
10 Incident Energy (eV) 50-Sn-118

MAT 5043 MT= 54 (n, n') Level 50-Sn-118
 Cross Section -92.73 To 9999. %

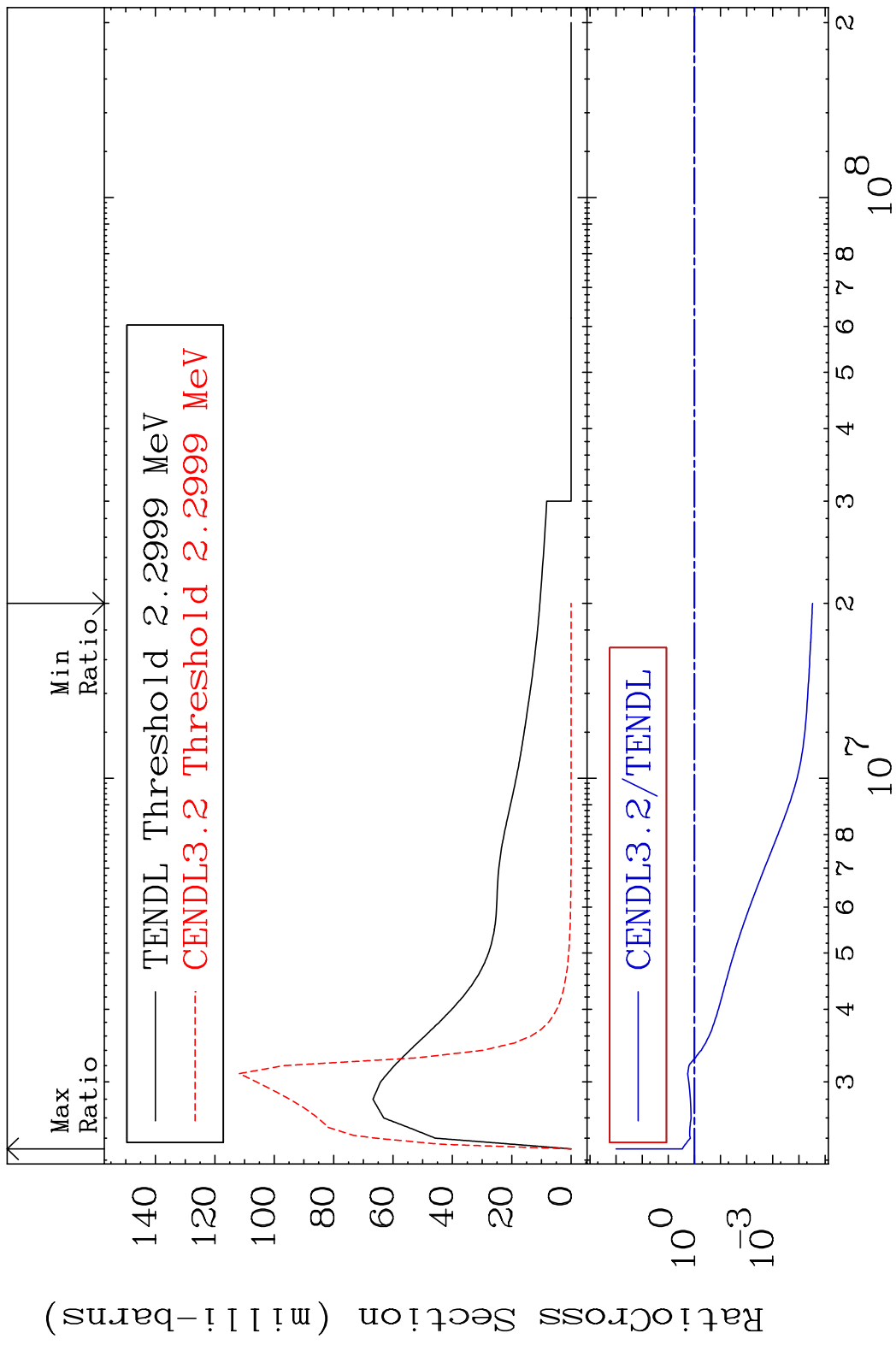


11 Incident Energy (eV) 50-Sn-118

MAT 5043 MT= 55 (n, n') Level 50-Sn-118
 Cross Section -63.38 To 616.6 %

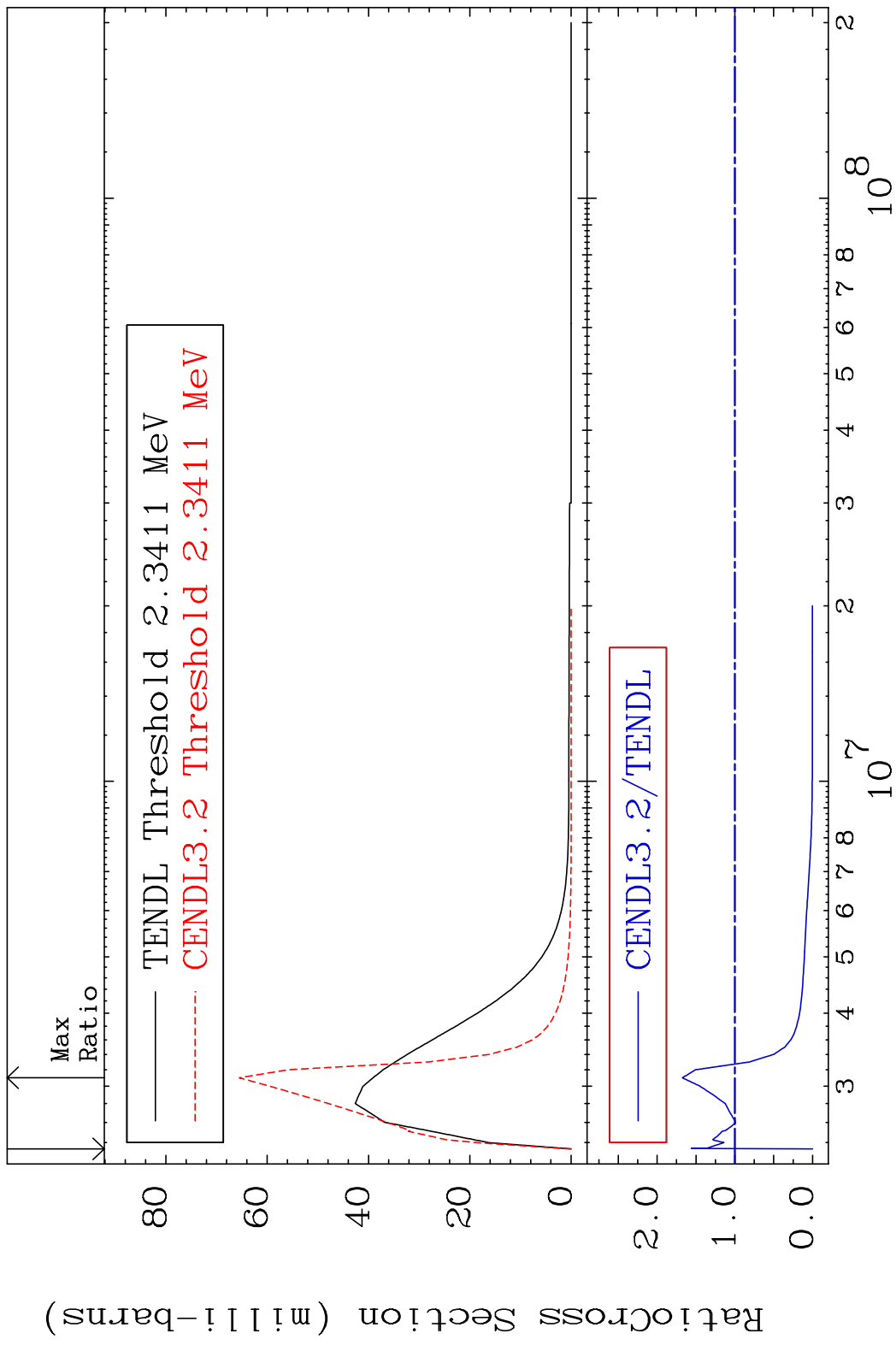


MAT 5043 MT= 56 (n,n') Level 50-Sn-118
 Cross Section -100.0 To 189.7 %

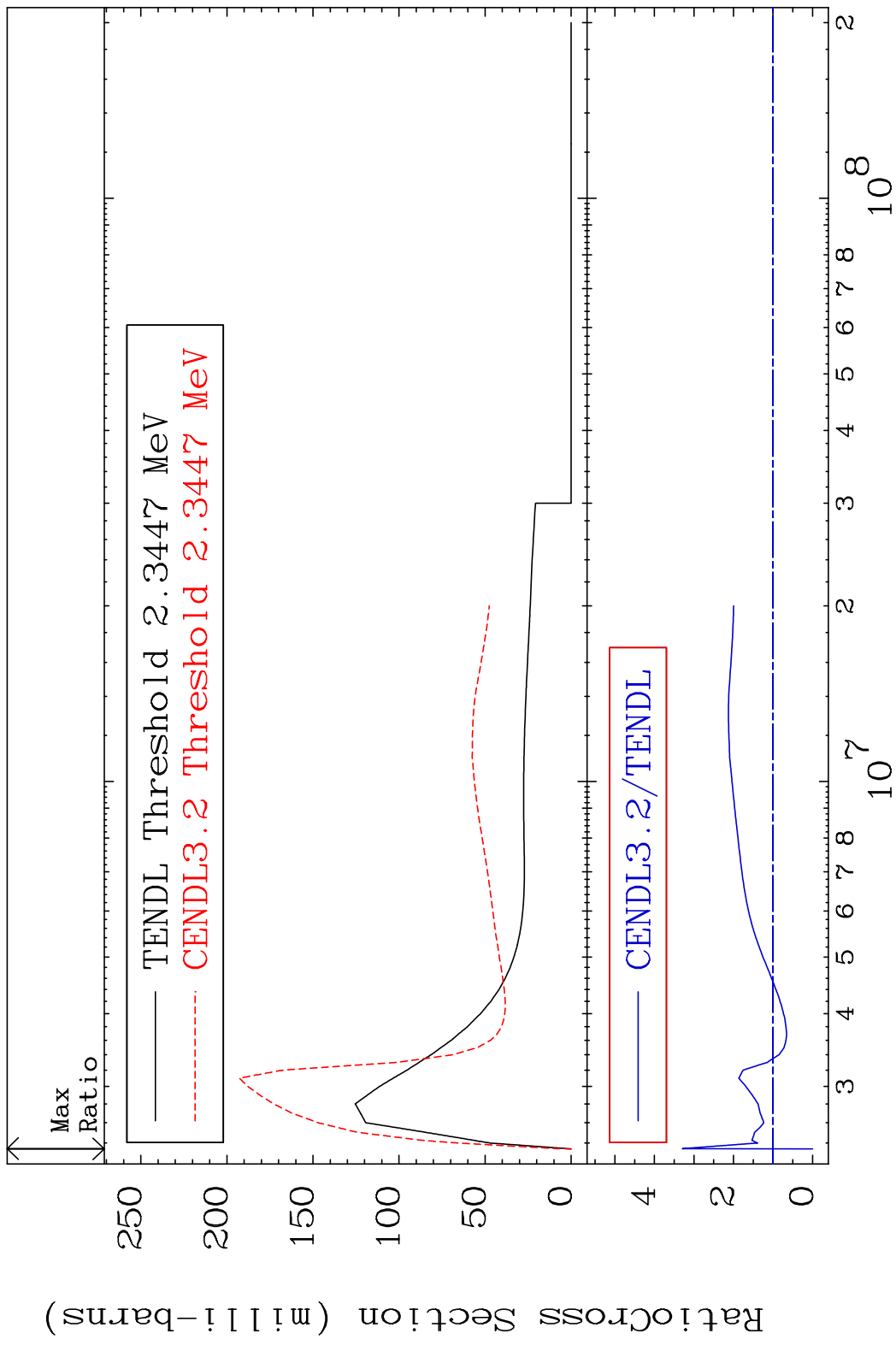


13 Incident Energy (eV) 50-Sn-118

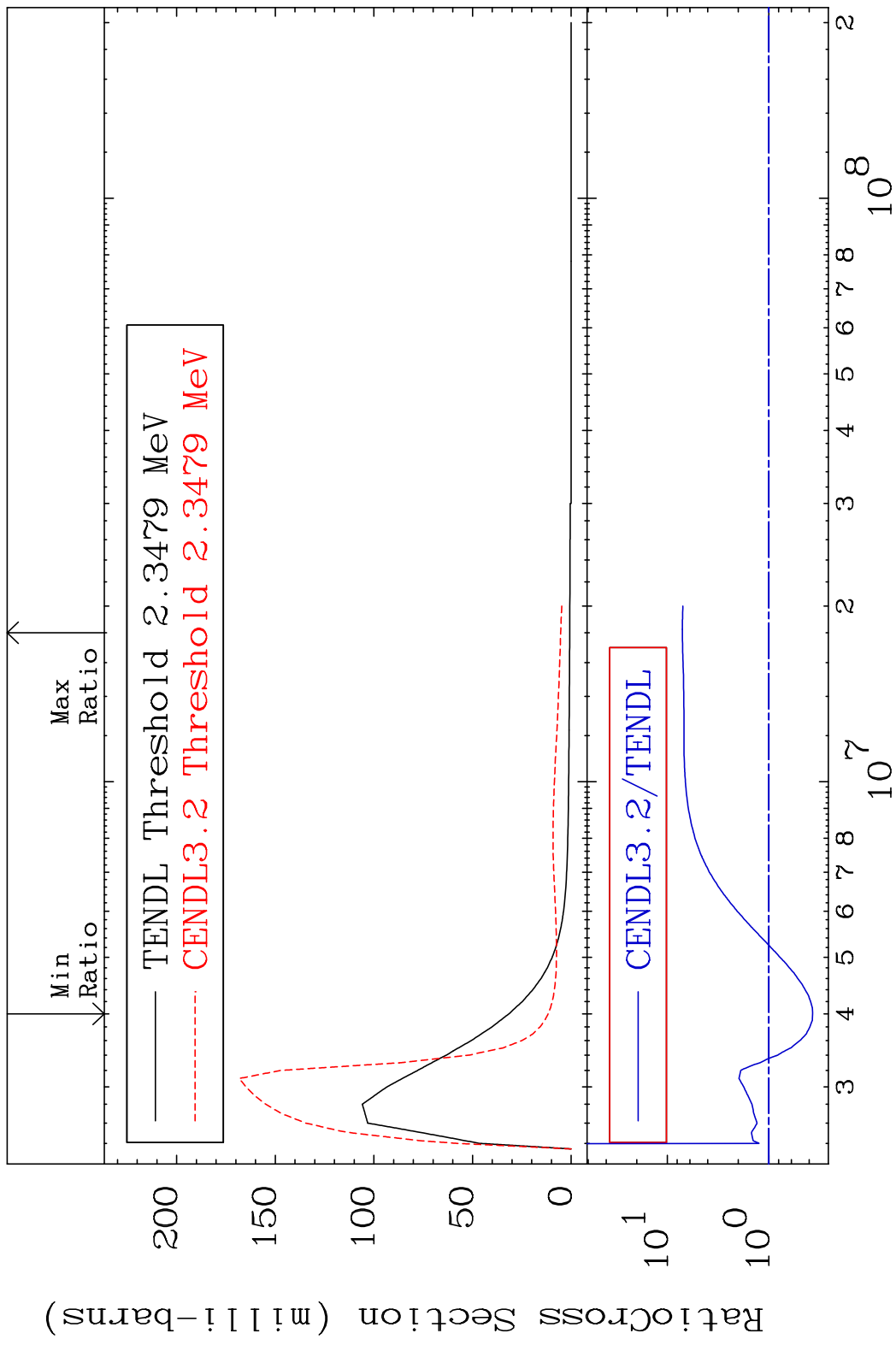
MAT 5043 MT= 57 (n,n') Level 50-Sn-118
 Cross Section -100.0 To 67.52 %



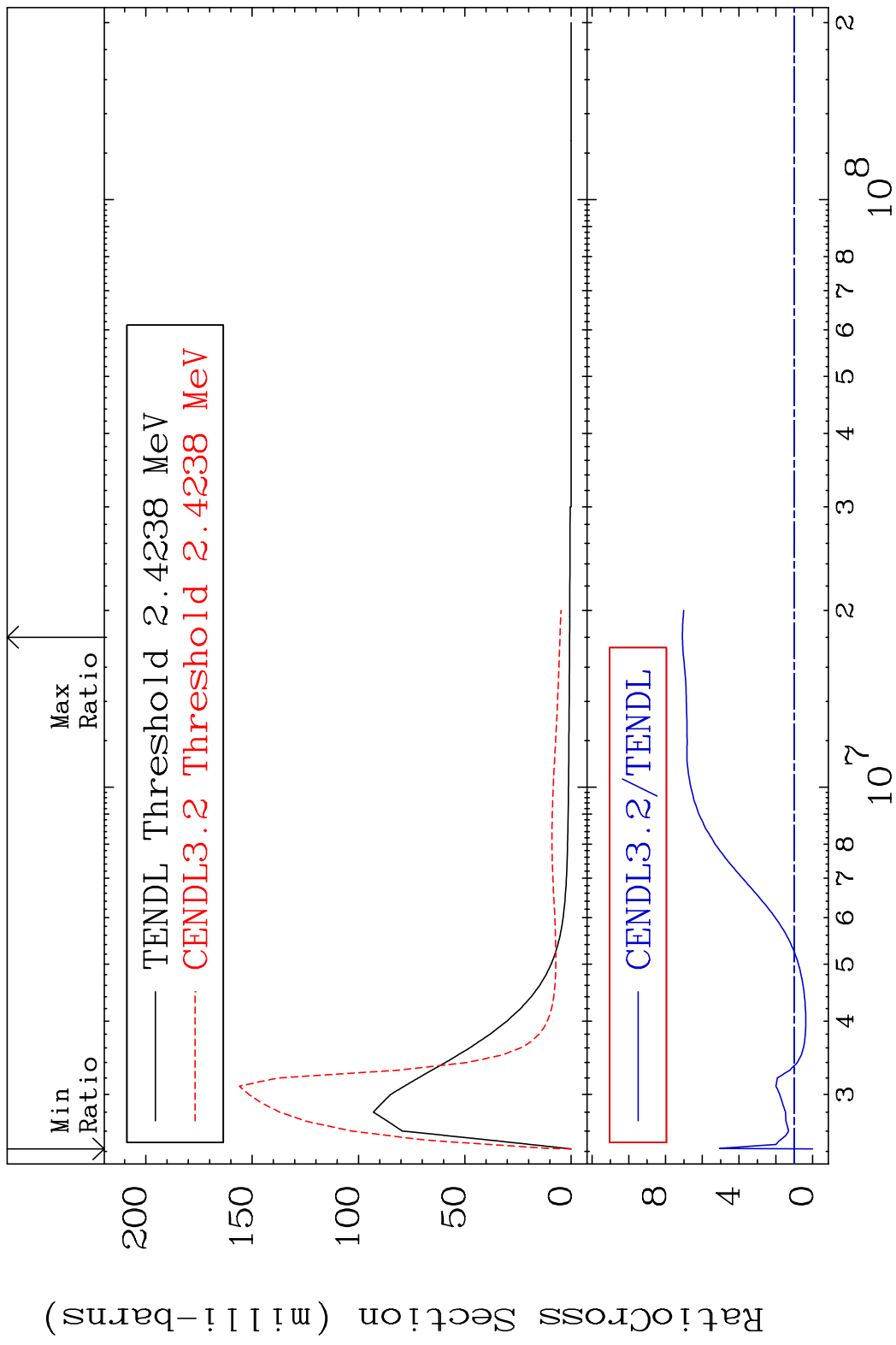
MAT 5043 MT= 58 (n,n') Level 50-Sn-118
 Cross Section -100.0 To 229.3 %



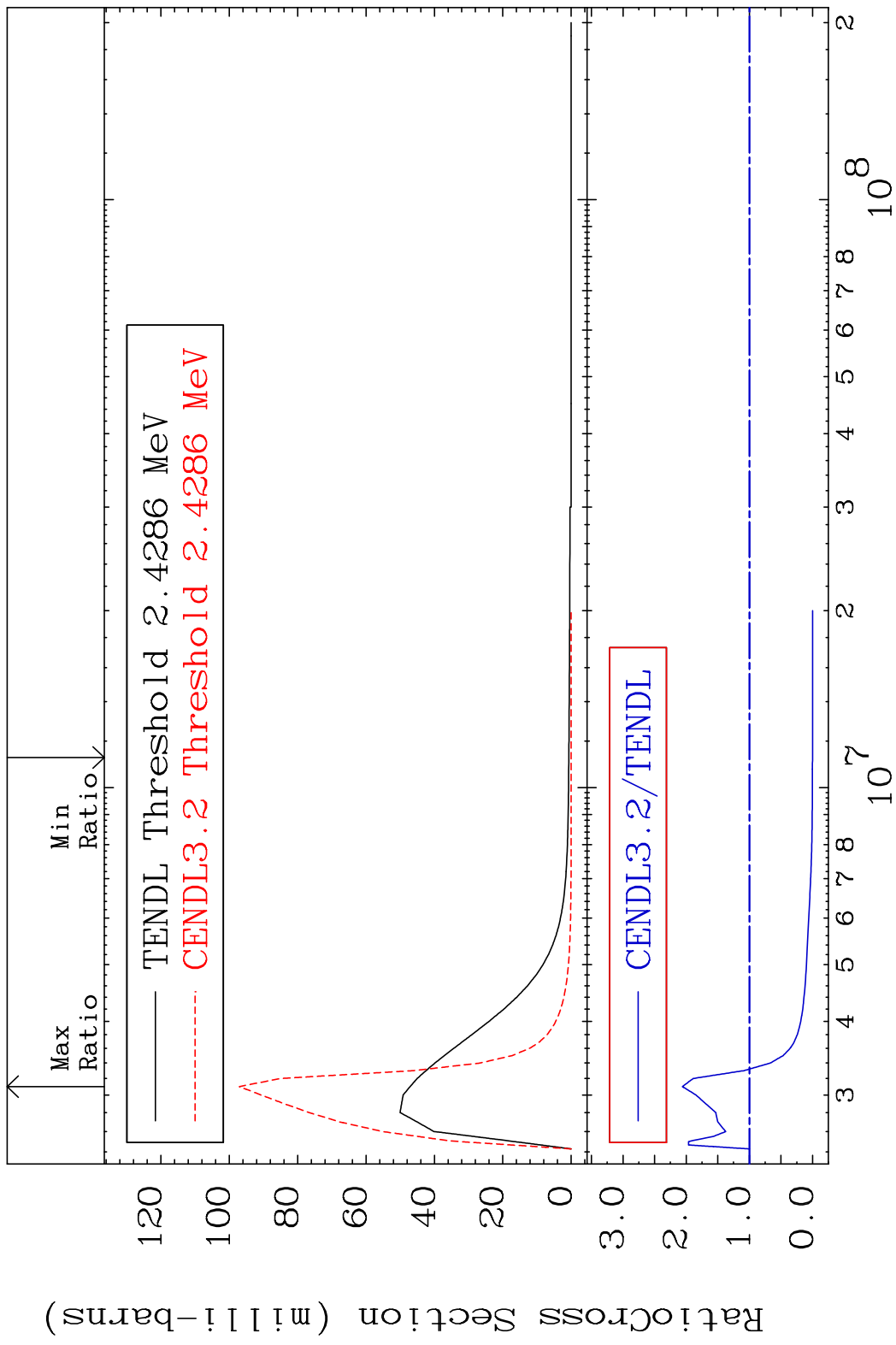
MAT 5043 MT= 59 (n, n') Level 50-Sn-118
 Cross Section -62.95 To 610.6 %



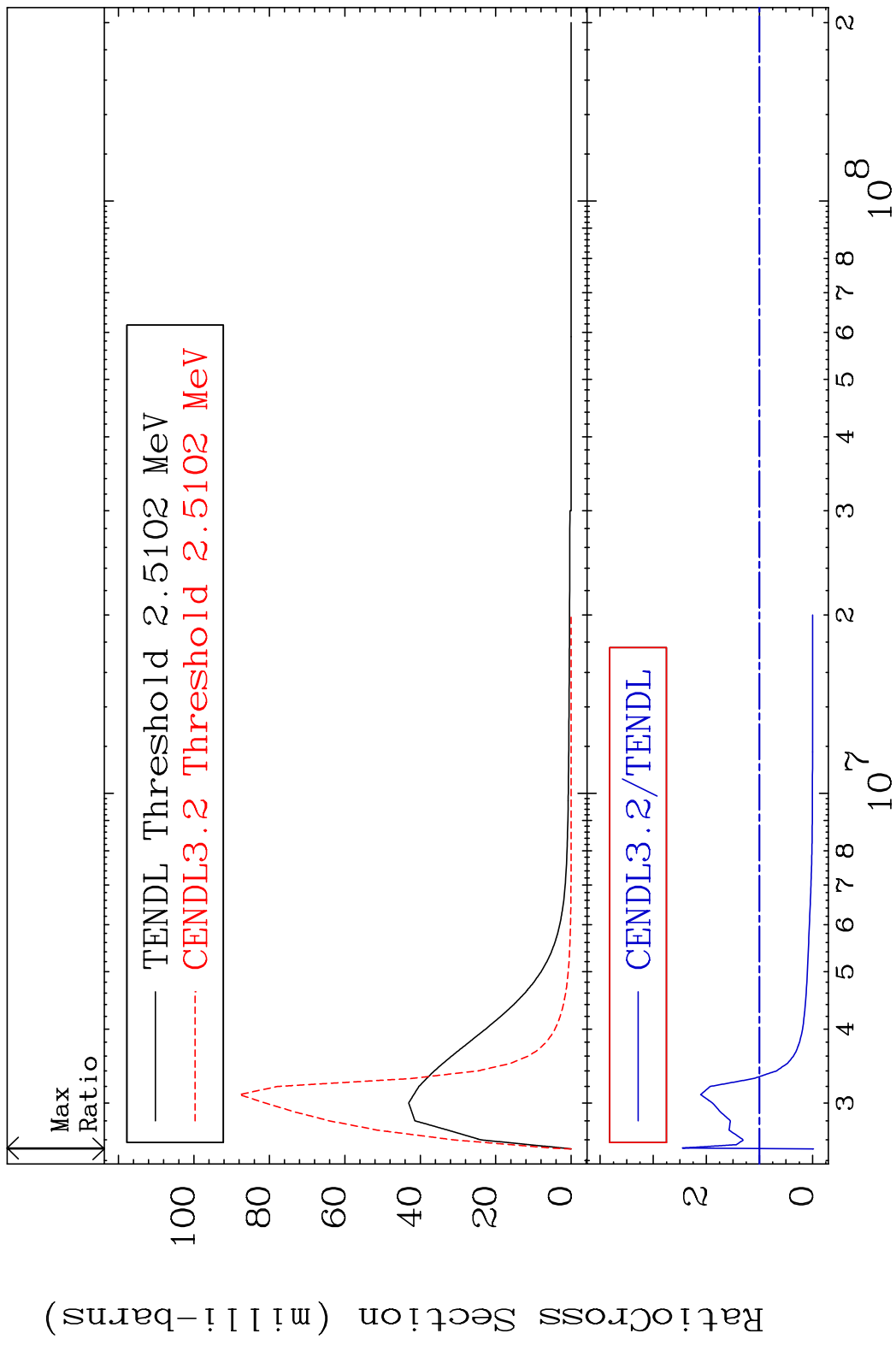
MAT 5043 MT= 60 (n, n') Level 50-Sn-118
 Cross Section -100.0 To 608.3 %



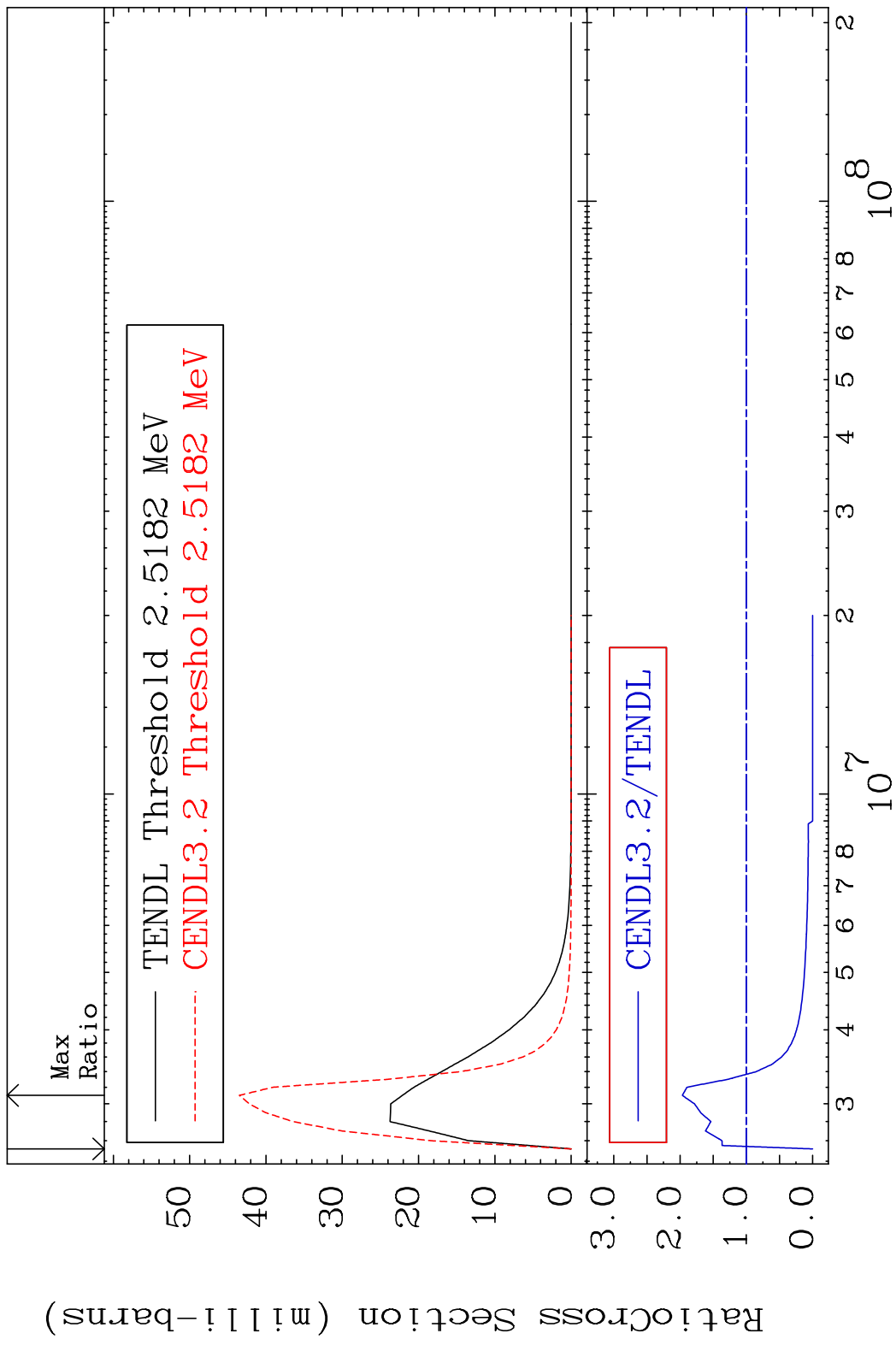
MAT 5043 MT= 61 (n,n') Level 50-Sn-118
 Cross Section -100.0 To 106.1 %



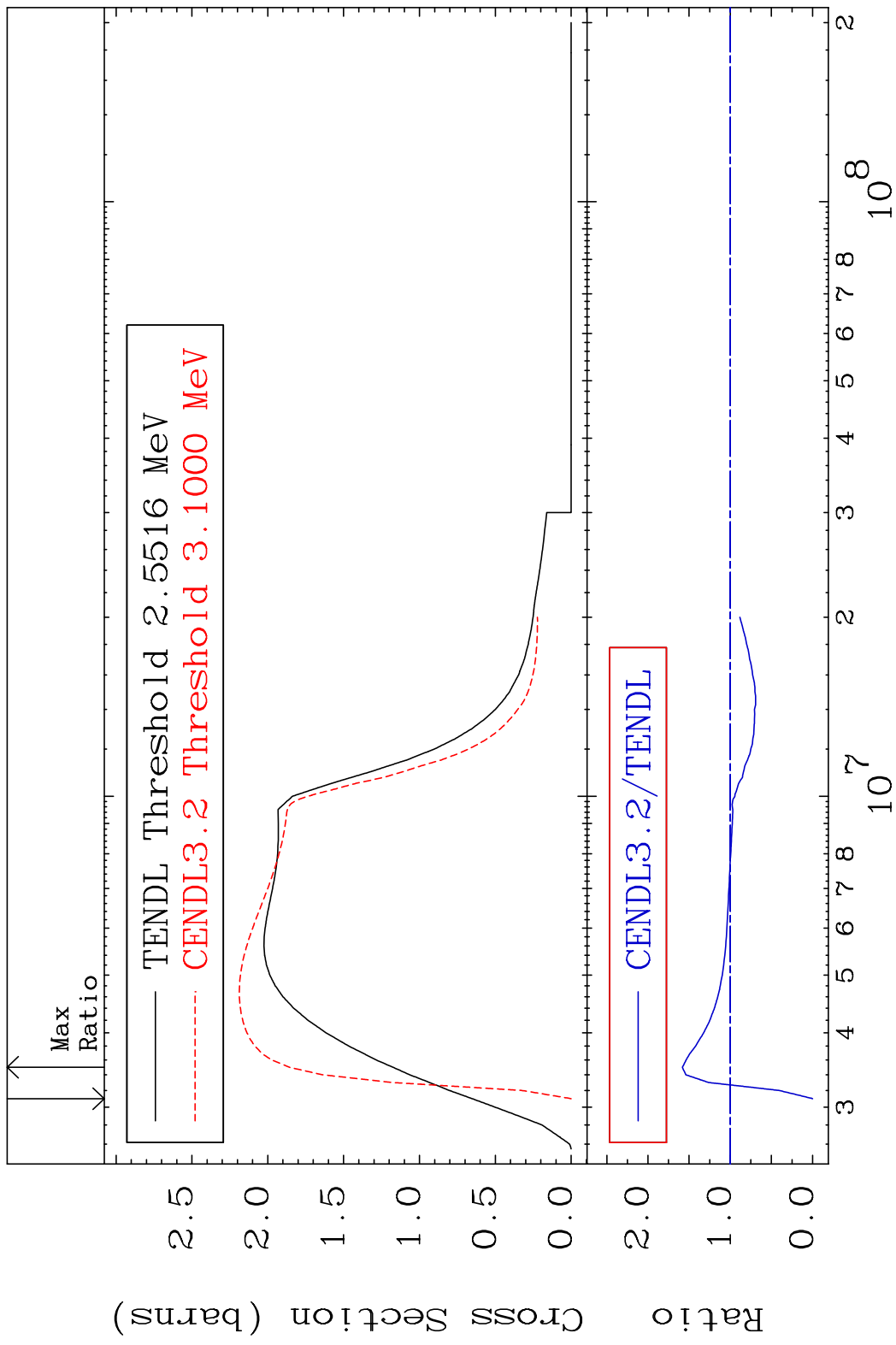
MAT 5043 MT= 62 (n, n') Level 50-Sn-118
 Cross Section -100.0 To 145.2 %



MAT 5043 MT= 63 (n, n') Level 50-Sn-118
 Cross Section -100.0 To 96.58 %

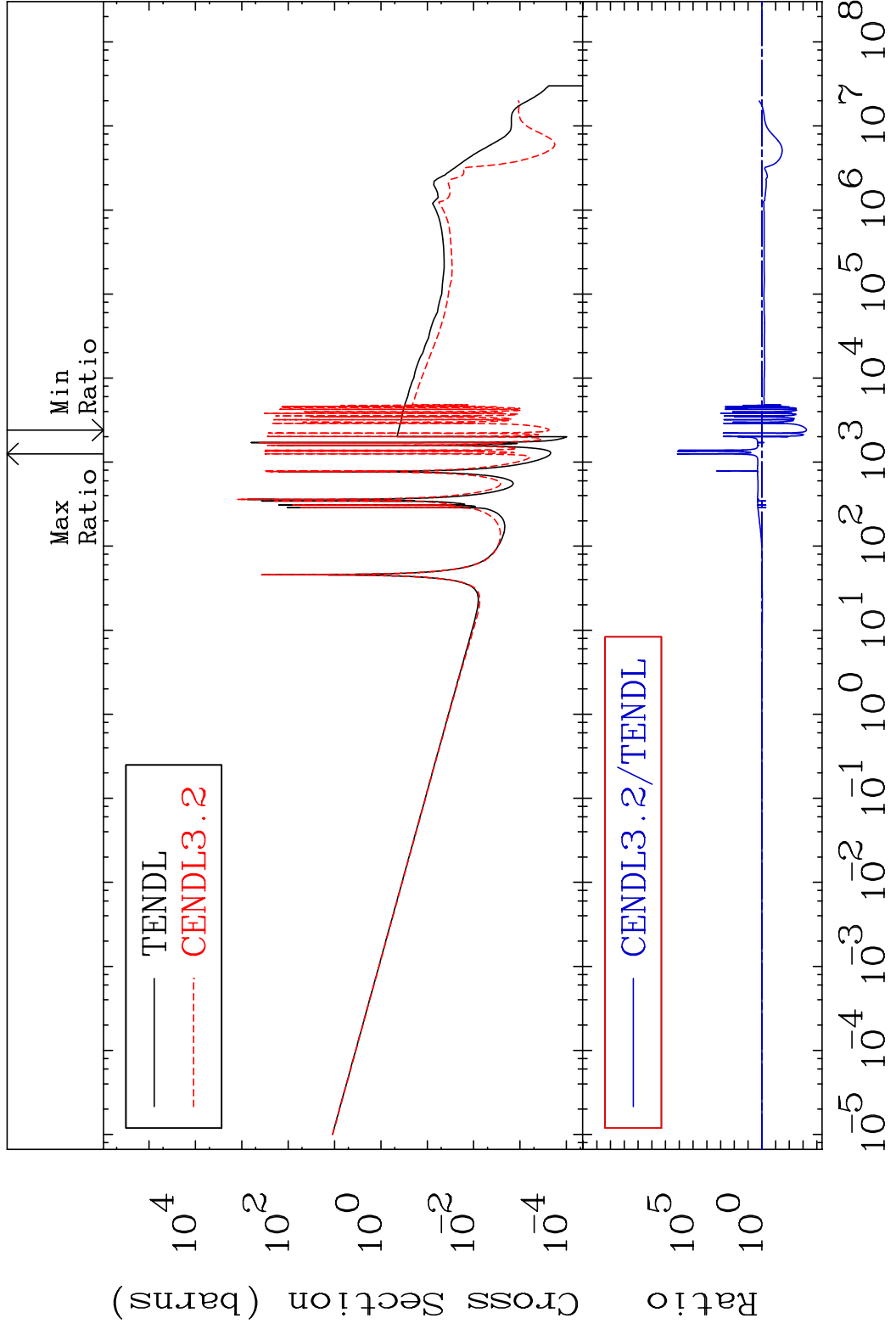


MAT 5043 (n, n') Continuum 50-Sn-118
 Cross Section -100.0 To 58.19 %



MAT 5043

(n, γ)
Cross Section -99.94 To 9999. %
50-Sn-118

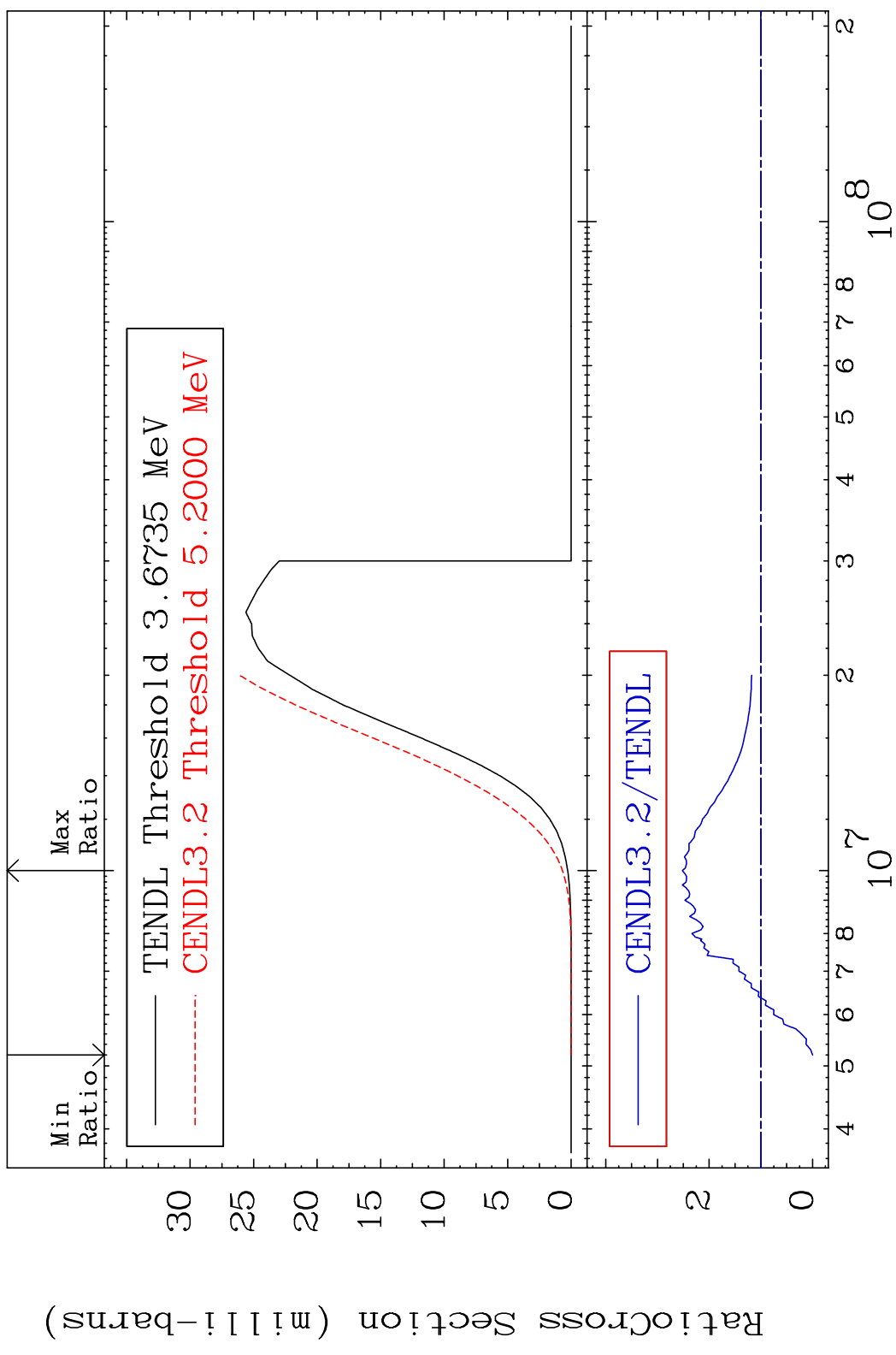


MAT 5043

(n,p)

50-Sn-118

Cross Section -100.0 To 151.9 %

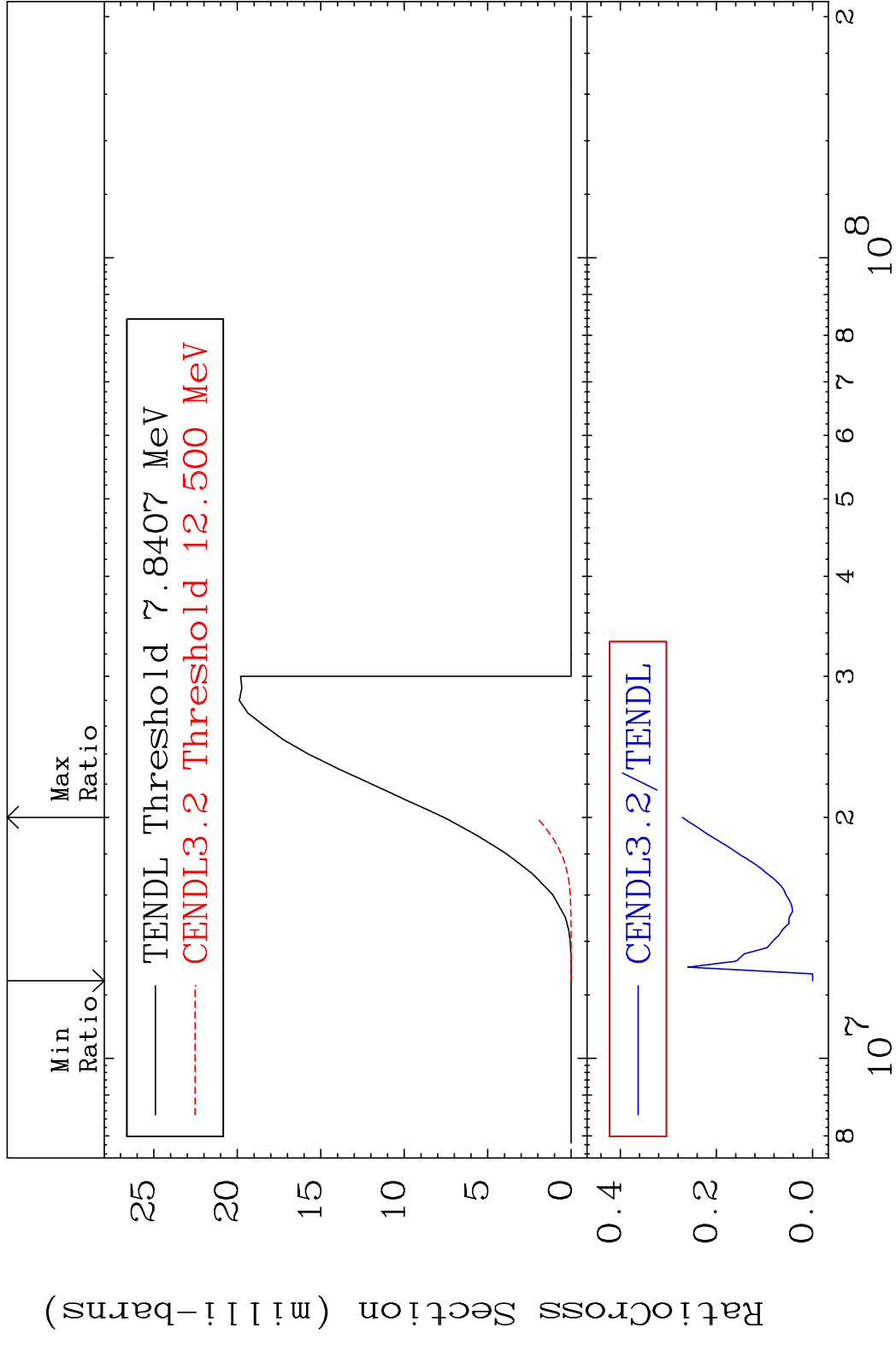


MAT 5043

(n,d)

50-Sn-118

Cross Section -100.0 To -72.91%



24

Incident Energy (eV)

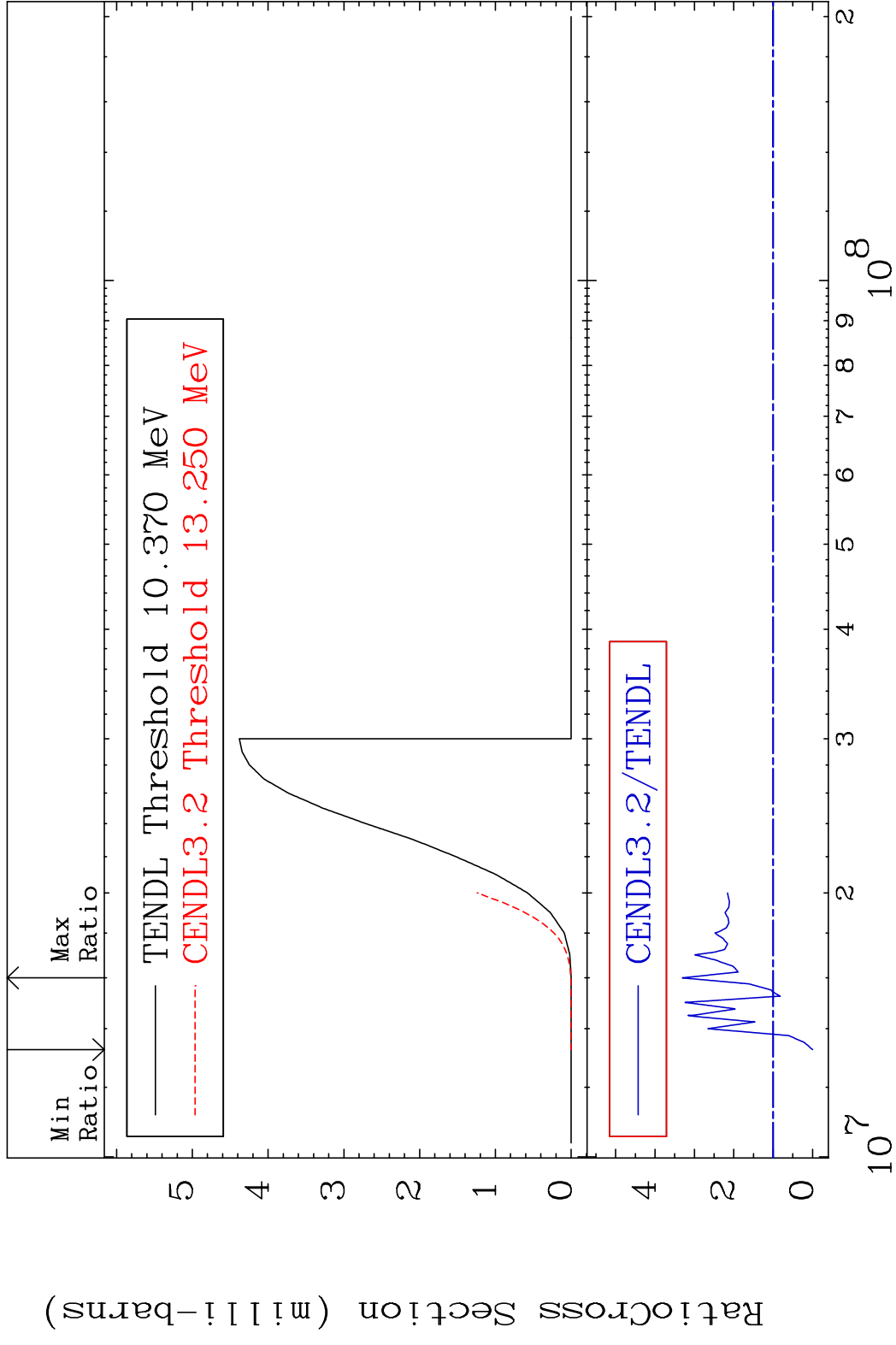
50-Sn-118

MAT 5043

50-Sn-118

(n, t)

Cross Section -100.0 To 230.6 %



25

Incident Energy (eV)

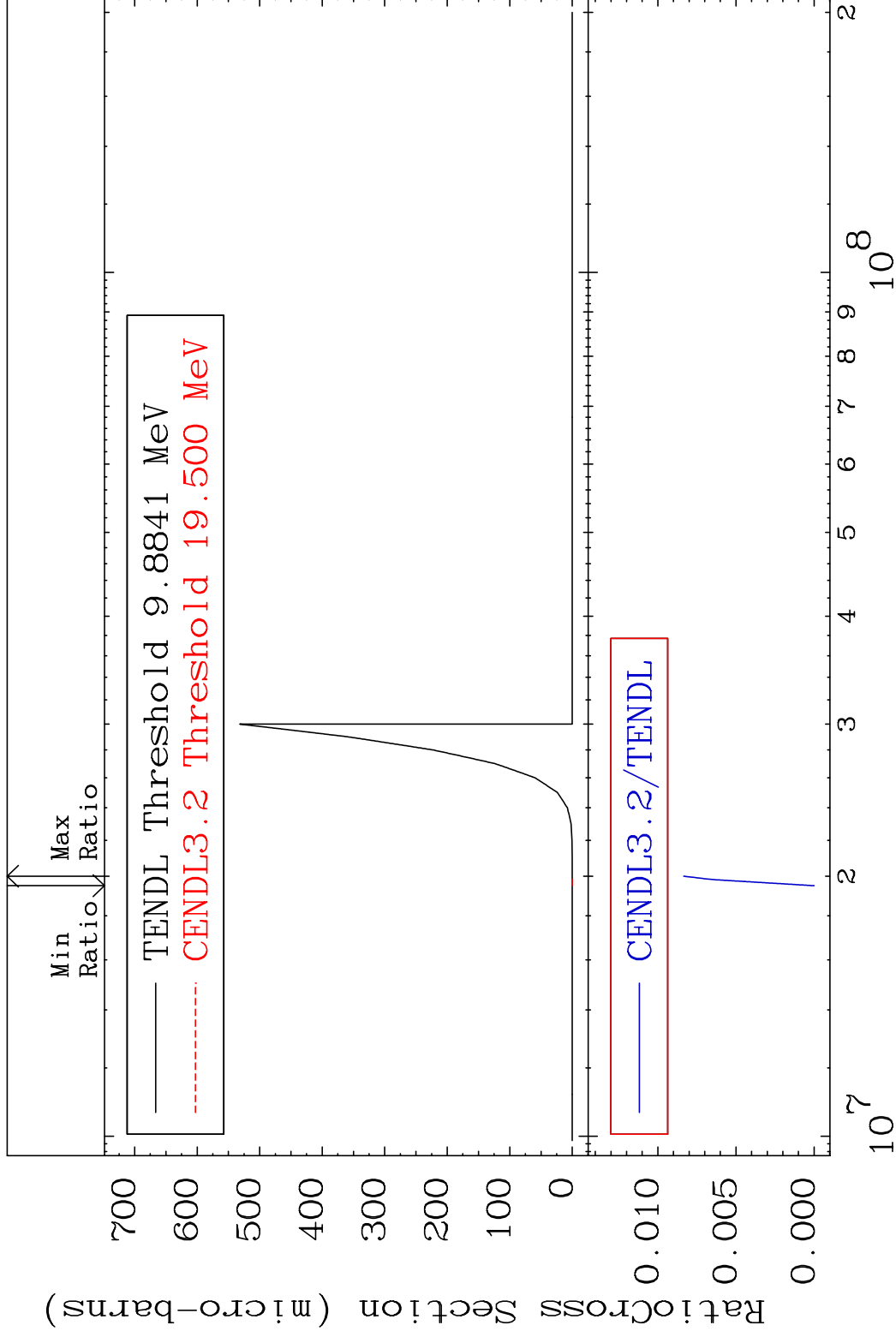
50-Sn-118

MAT 5043

(n, He-3)

50-Sn-118

Cross Section -100.0 To -99.17%



26

Incident Energy (eV)

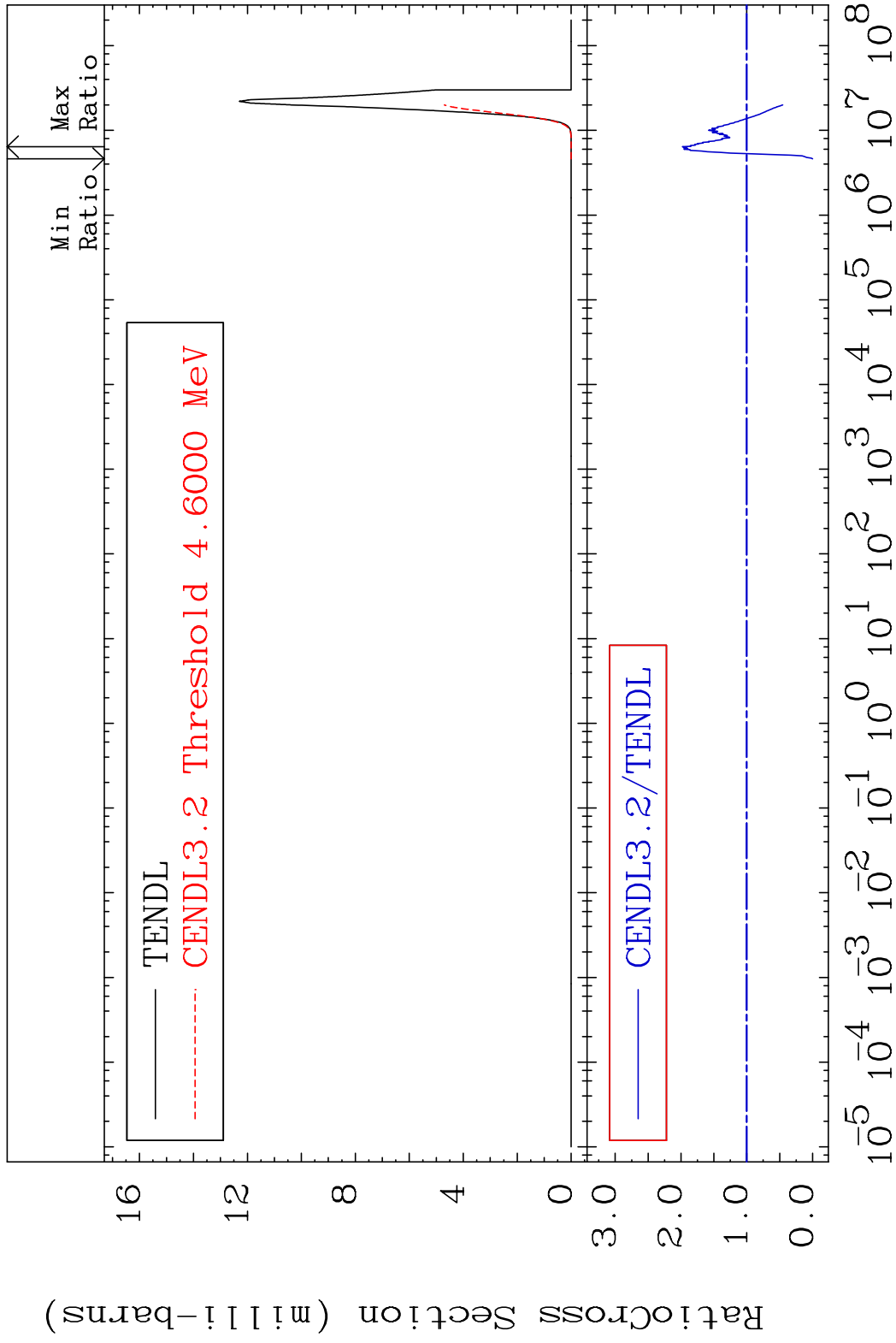
50-Sn-118

MAT 5043

(n, α)

50-Sn-118

Cross Section -100.0 To 97.94 %



27

Incident Energy (eV)

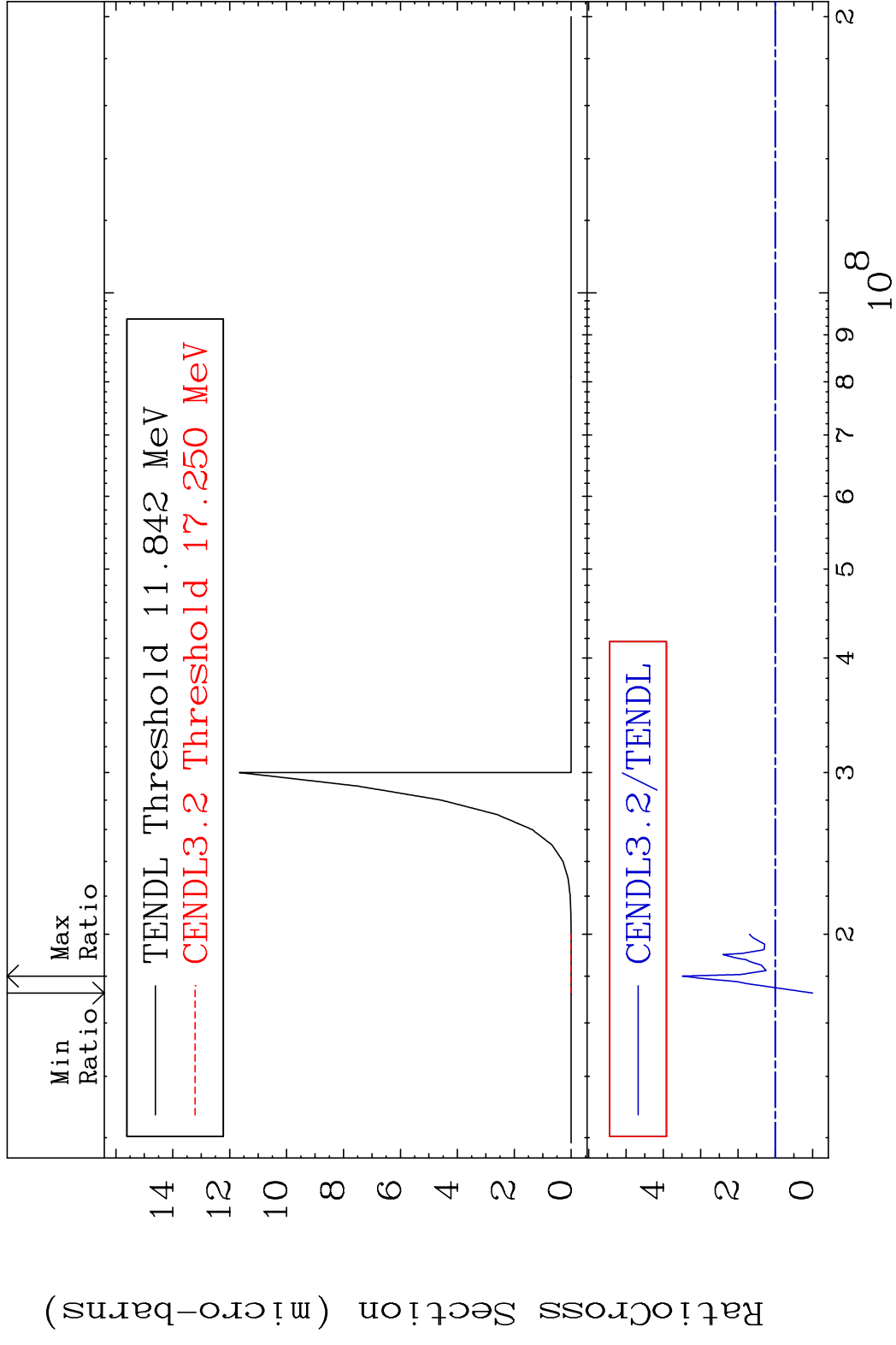
50-Sn-118

MAT 5043

(n,2p)

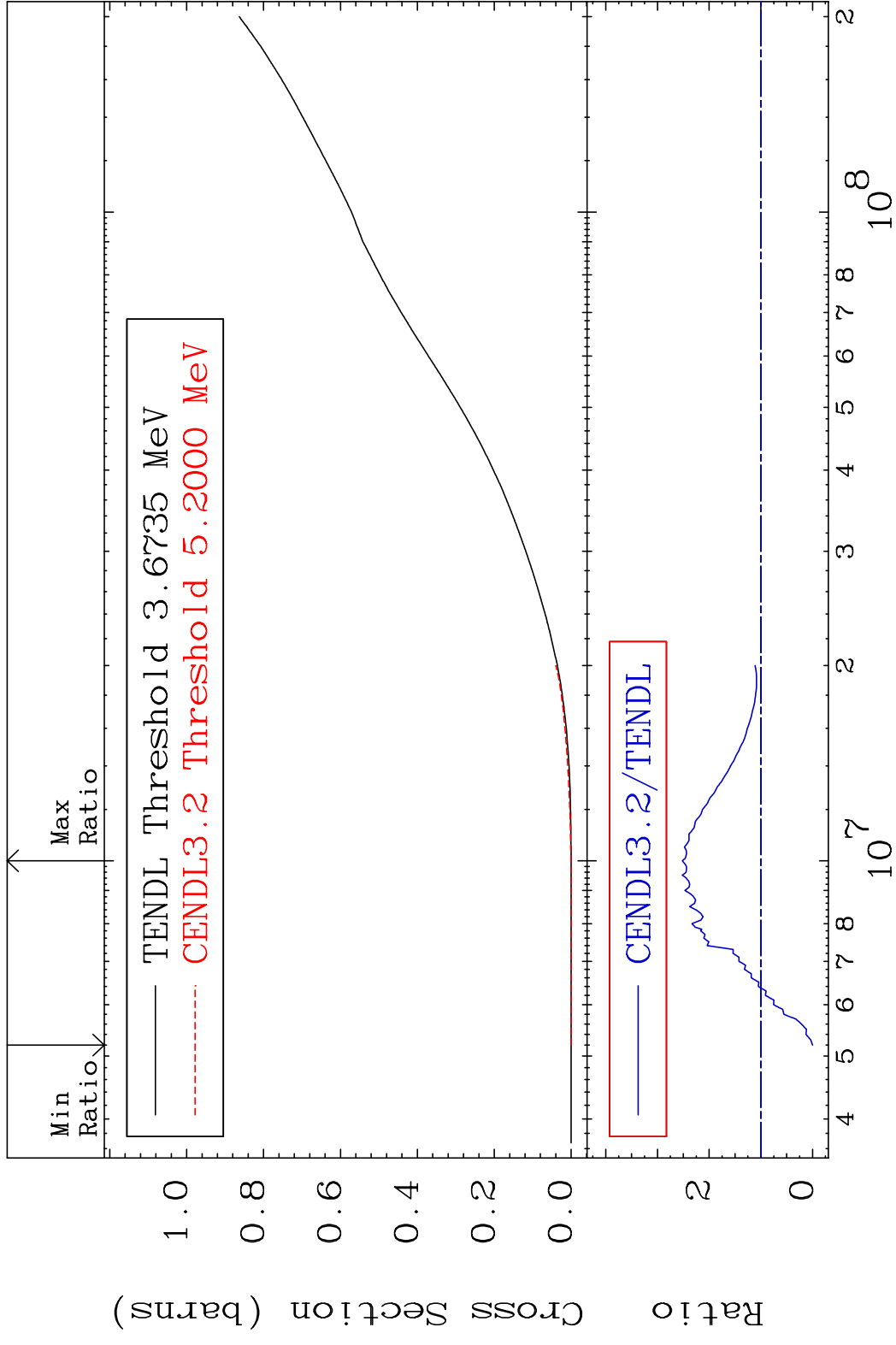
50-Sn-118

Cross Section -100.0 To 249.0 %



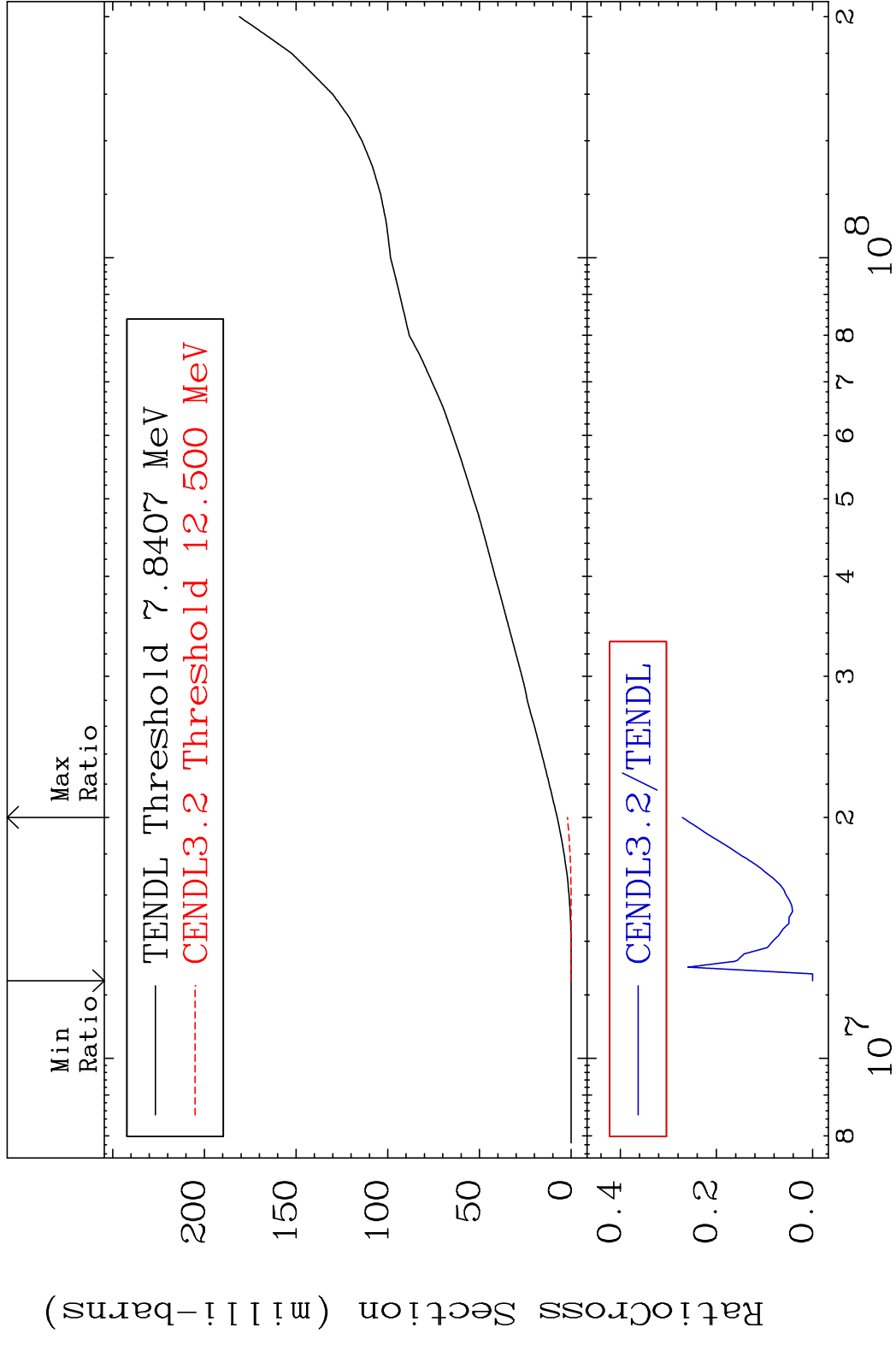
MAT 5043

Hydrogen Production 50-Sn-118
Cross Section -100.0 To 151.9 %



MAT 5043

Deuterium Production 50-Sn-118
Cross Section -100.0 To -72.91%

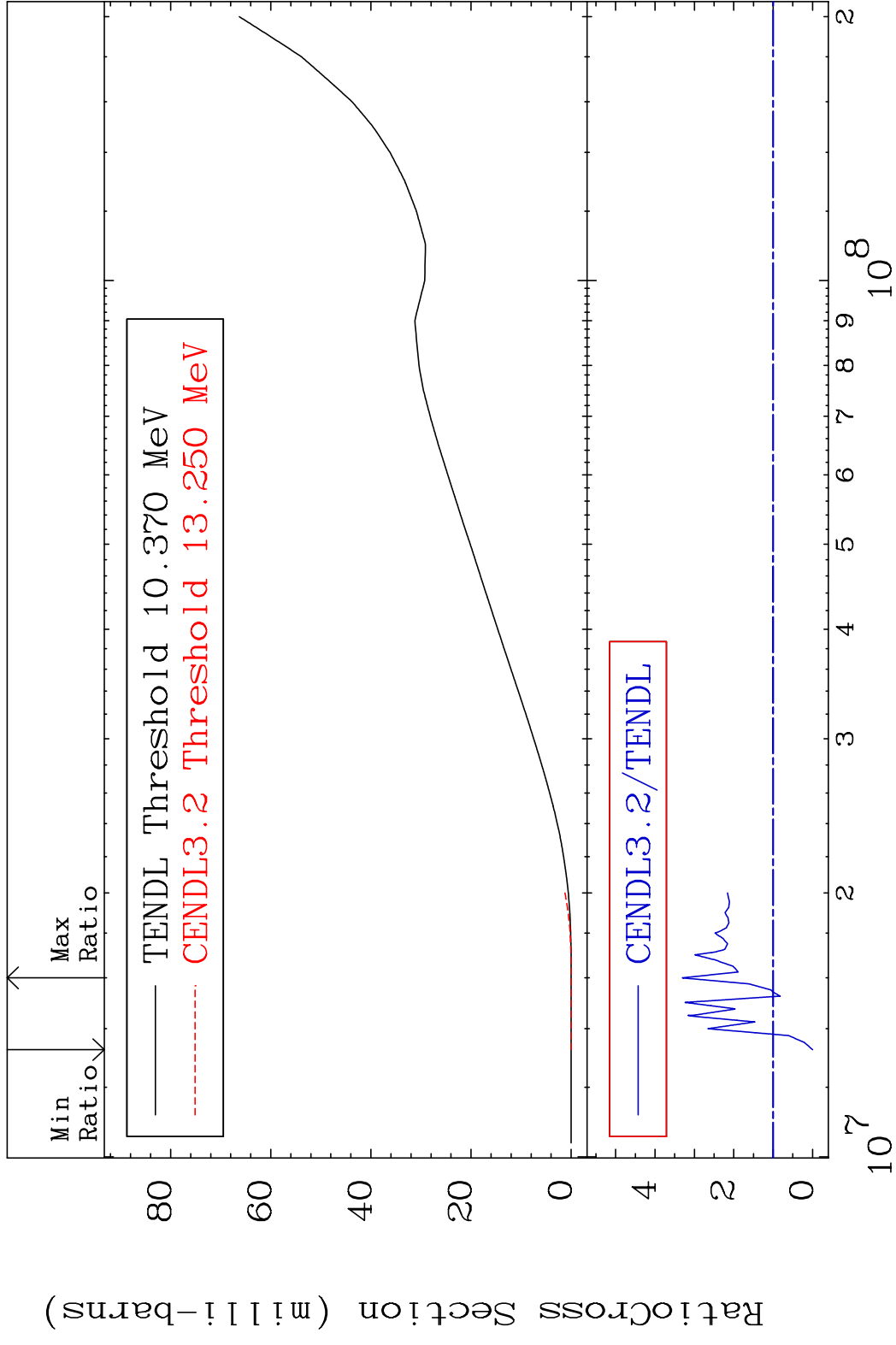


30

Incident Energy (eV) 50-Sn-118

MAT 5043

Tritium Production 50-Sn-118
Cross Section -100.0 To 230.6 %



31

Incident Energy (eV)

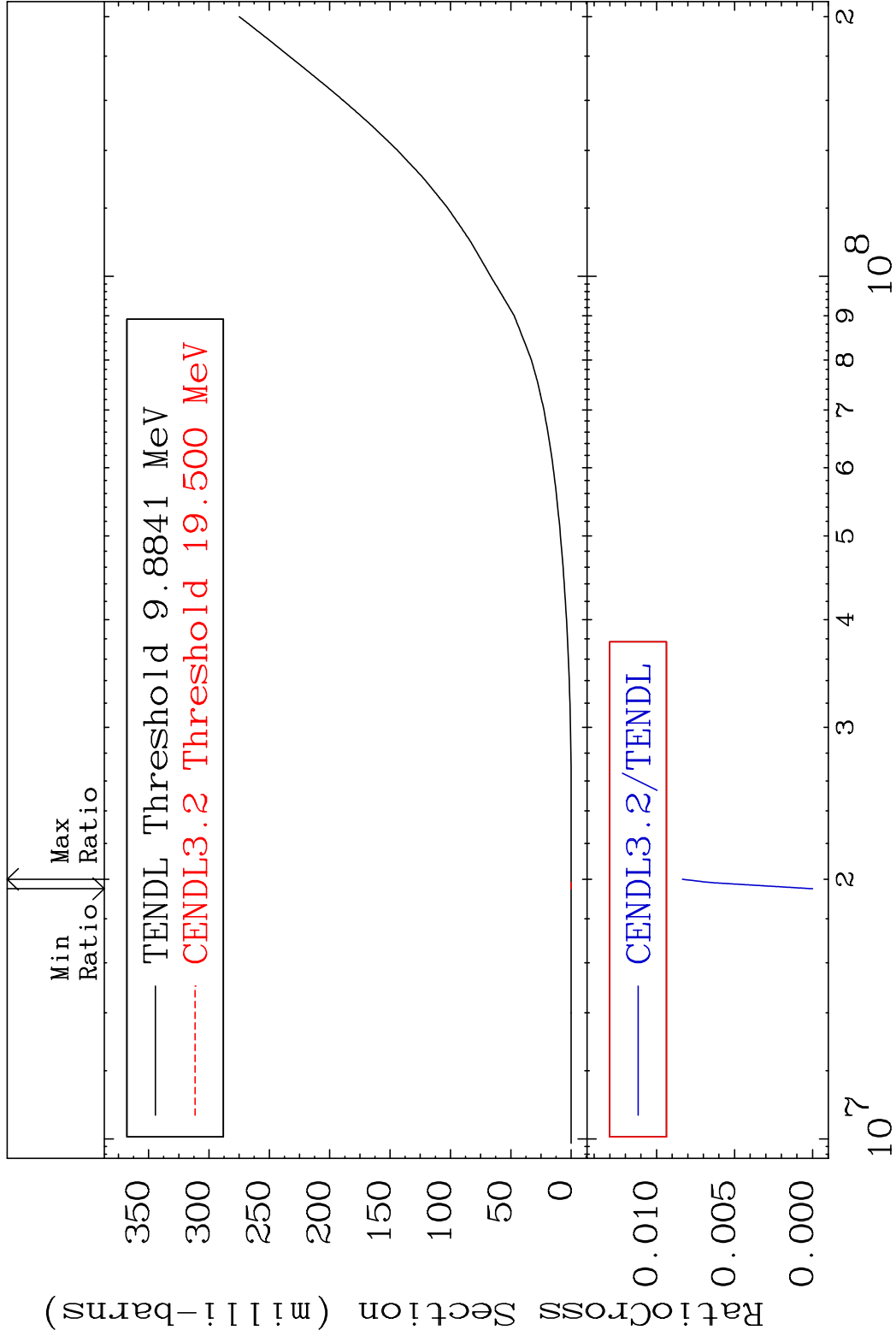
50-Sn-118

MAT 5043

He-3 Production

50-Sn-118

Cross Section -100.0 To -99.17%



32

Incident Energy (eV)

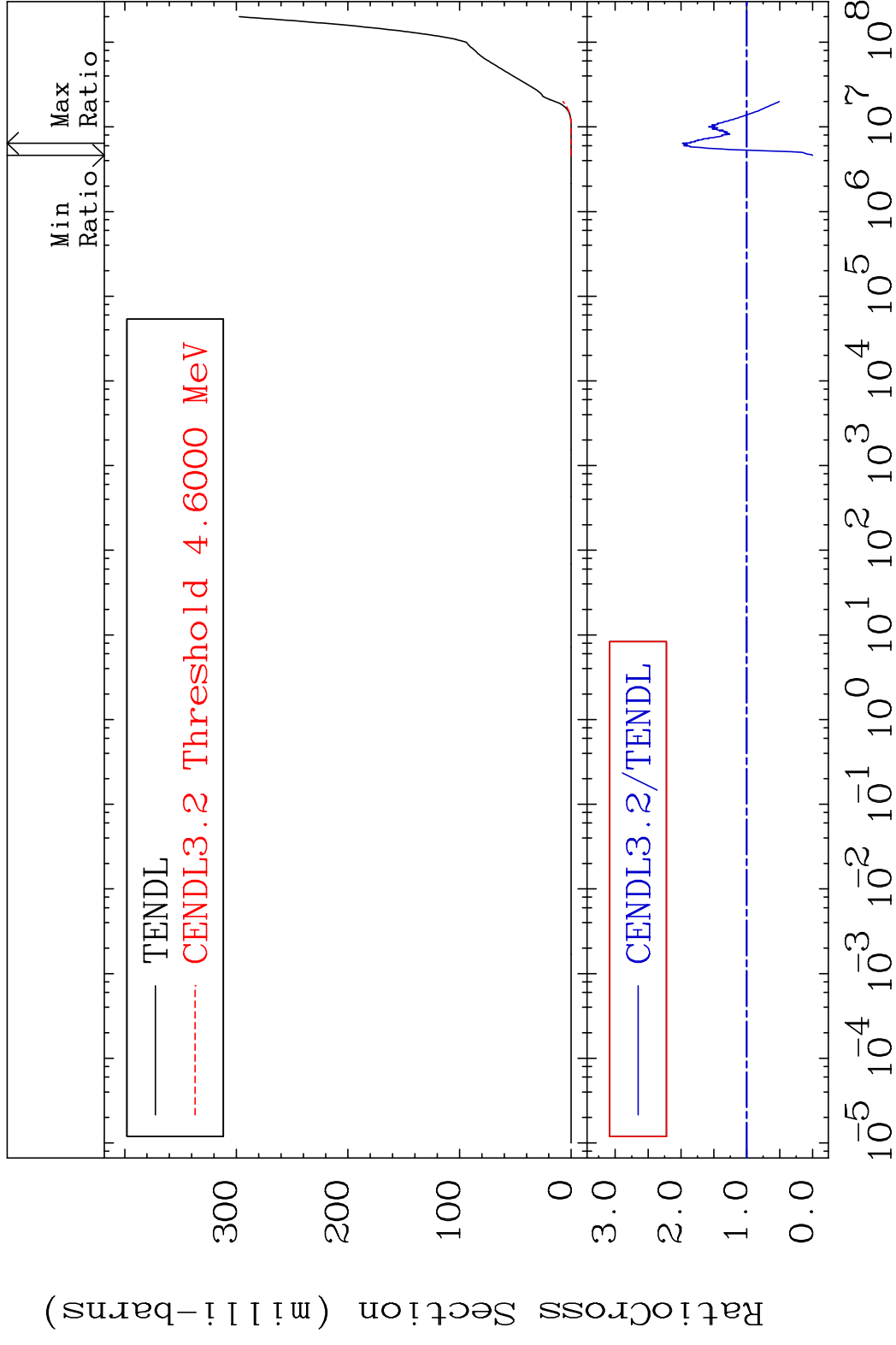
50-Sn-118

MAT 5043

He-4 Production

50-Sn-118

Cross Section -100.0 To 97.94 %

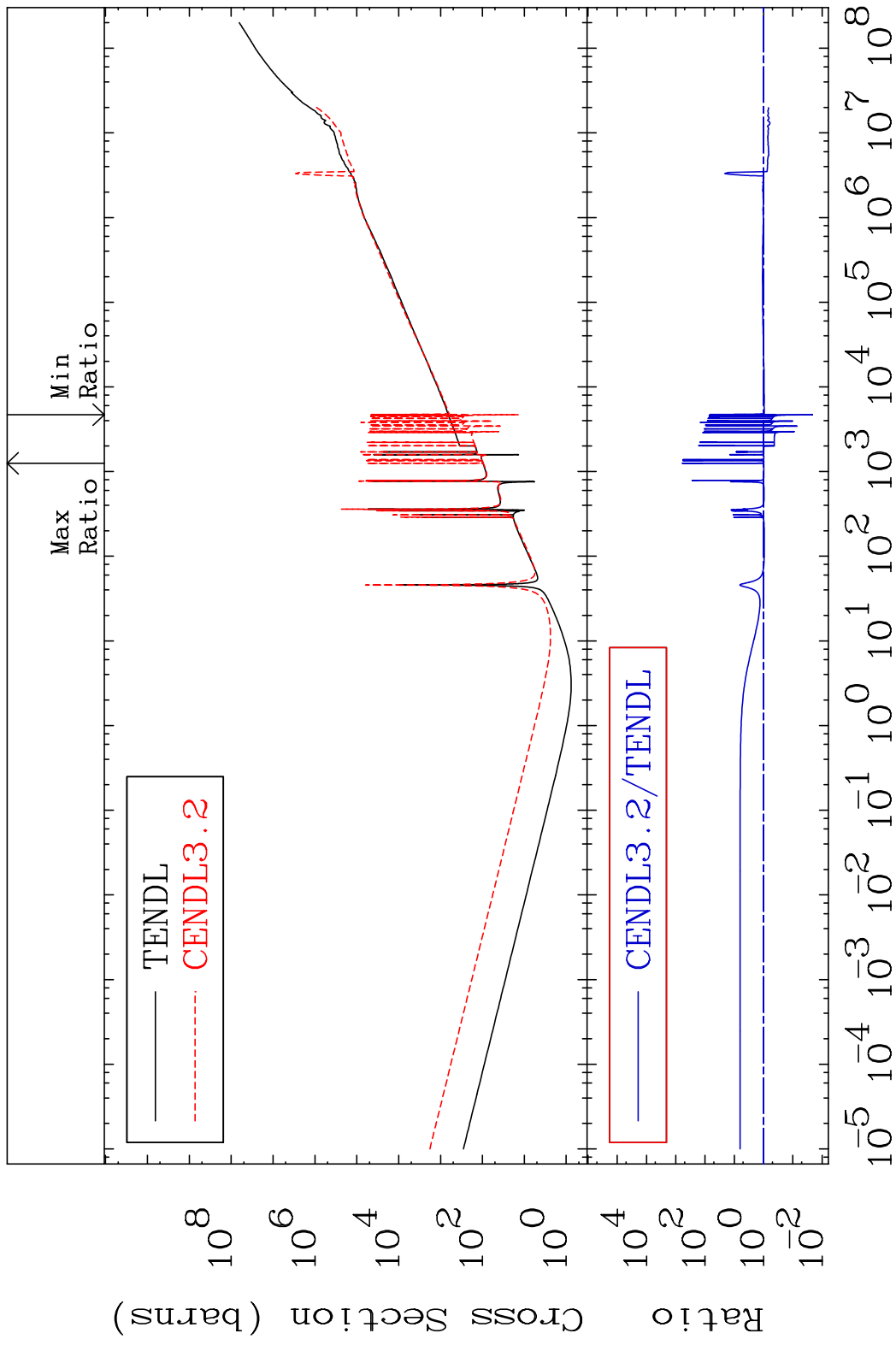


33

Incident Energy (eV)

50-Sn-118

MAT 5043 Kerma total (eV-barns) 50-Sn-118
 Cross Section -97.88 To 9999. %

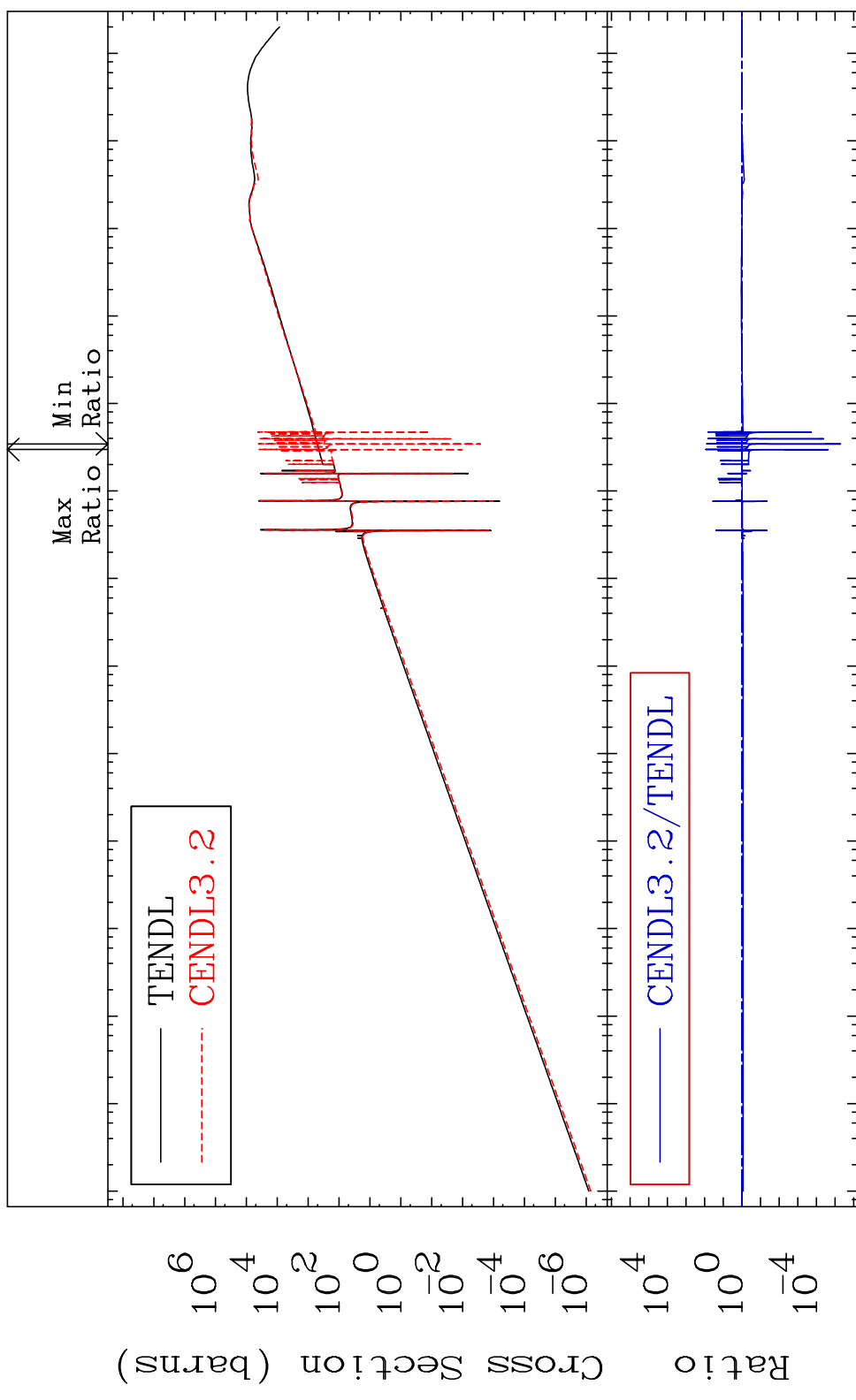


34 Incident Energy (eV) 50-Sn-118

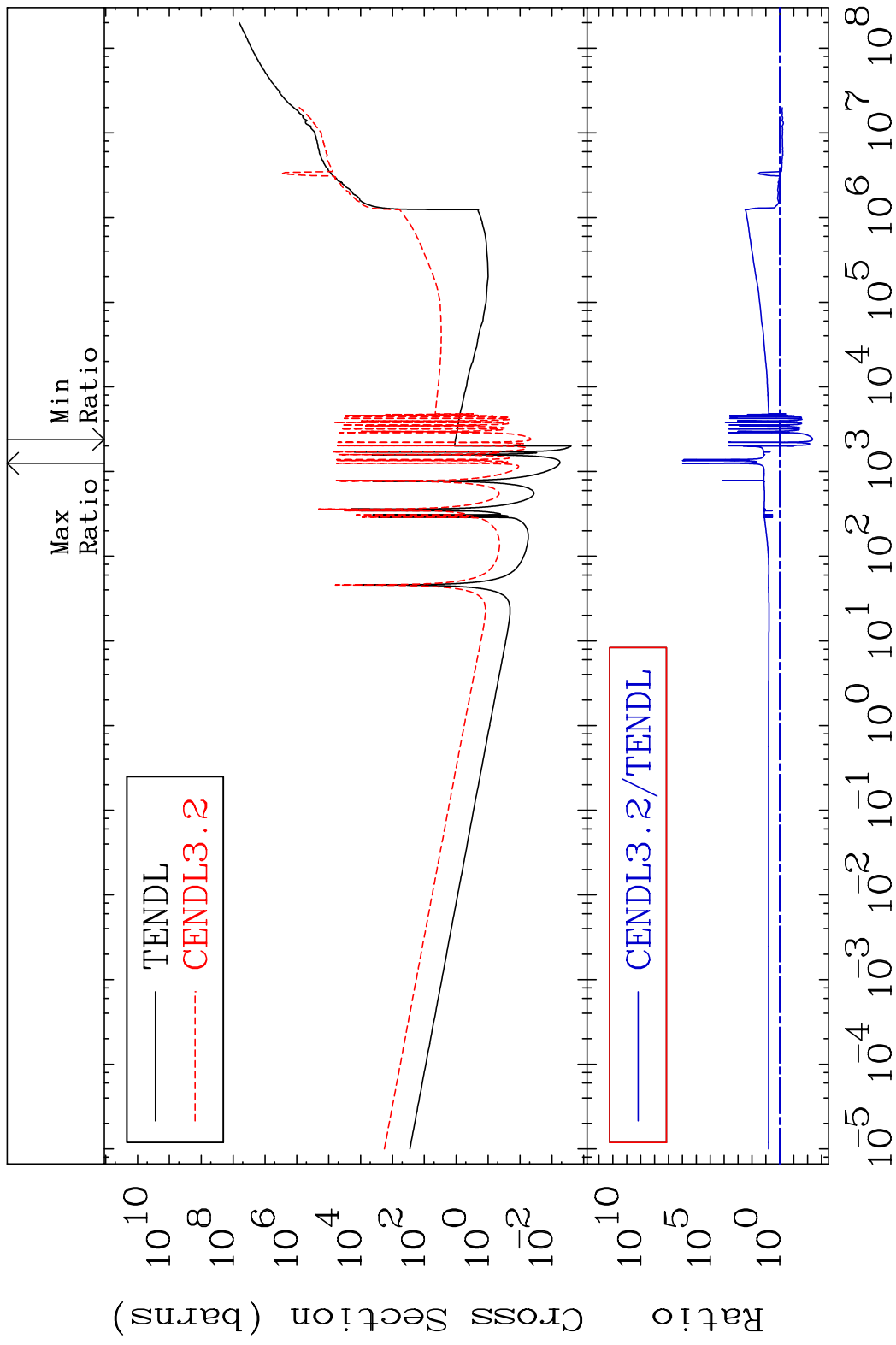
MAT 5043

Kerma elastic
Cross Section -100.0 To 8683. %

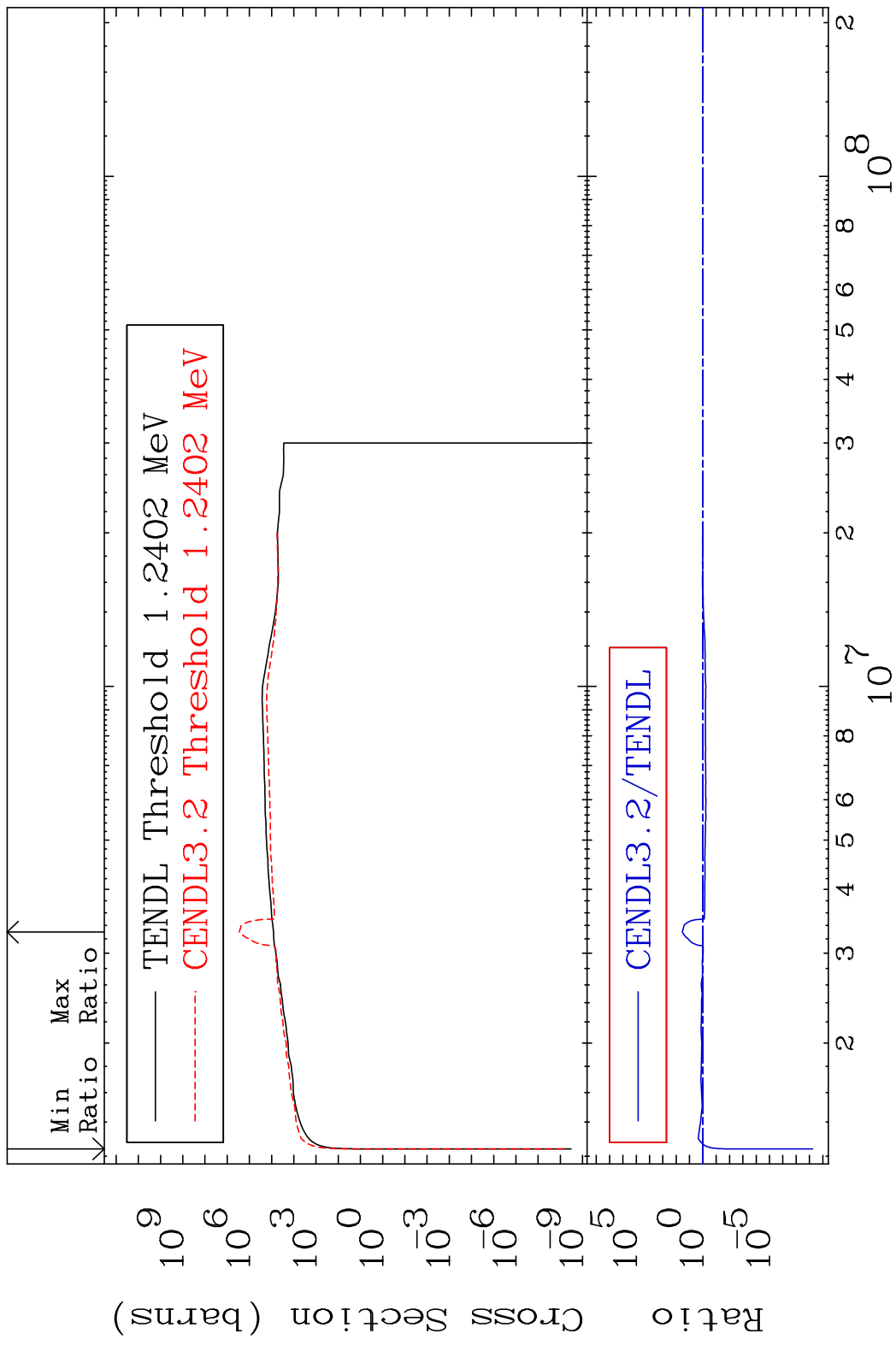
50-Sn-118



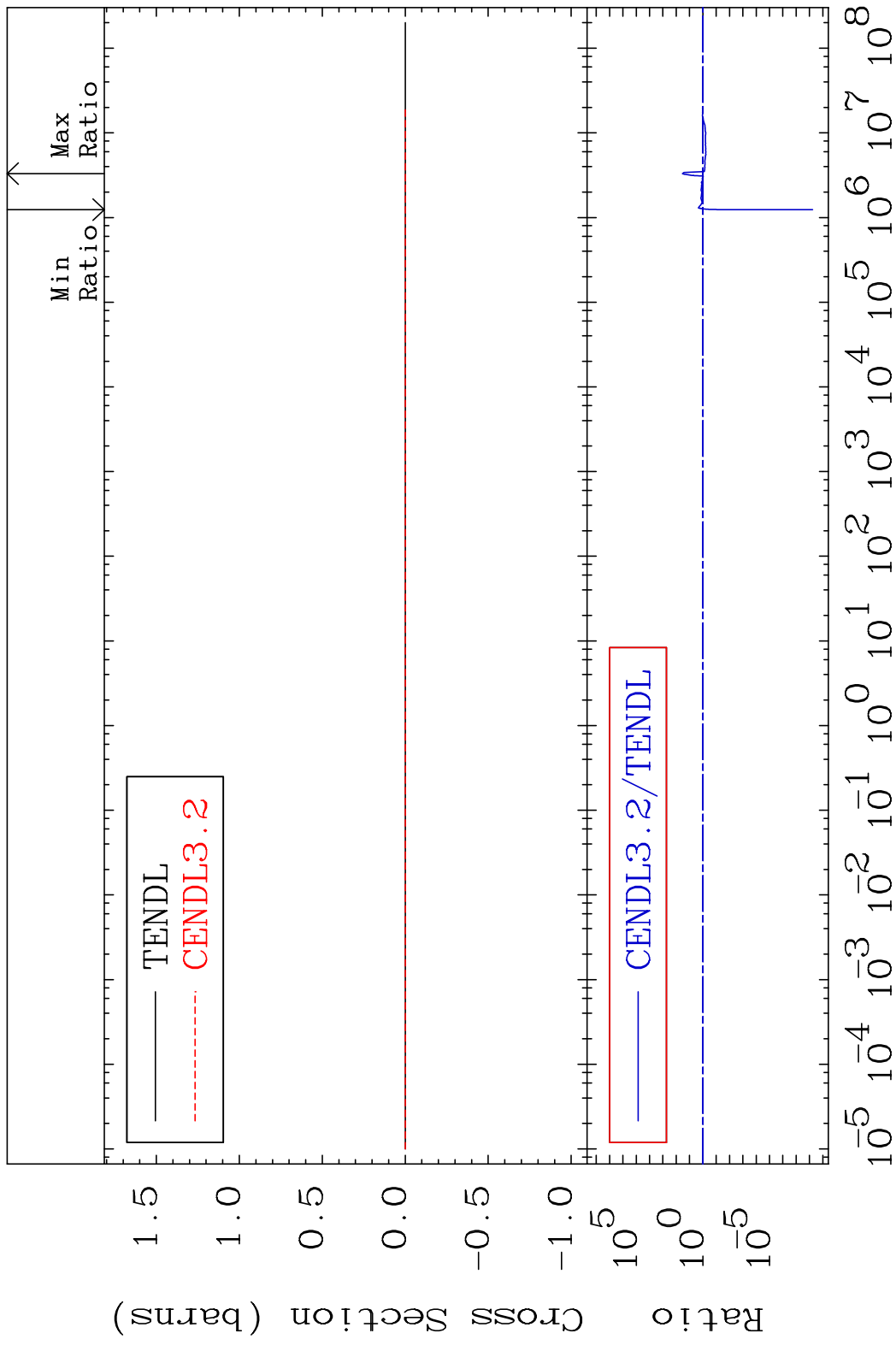
MAT 5043 Kerma non-elastic (all but mt2) 50-Sn-118
 Cross Section -99.56 To 9999. %



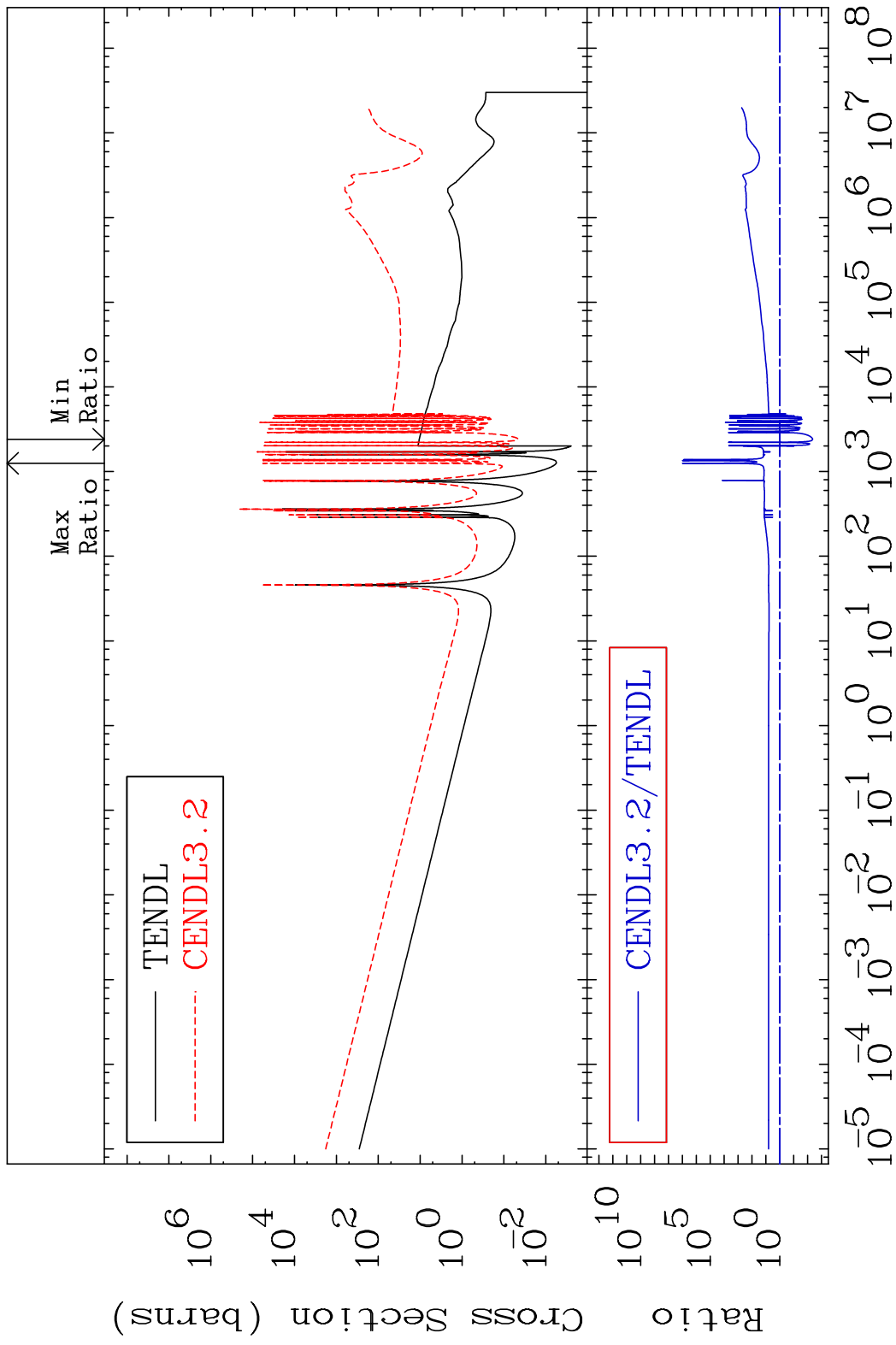
MAT 5043 Kerma inelastic (mt51-91) 50-Sn-118
 Cross Section -100.0 To 3361. %



MAT 5043 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-118
 Cross Section -100.0 To 3361. %

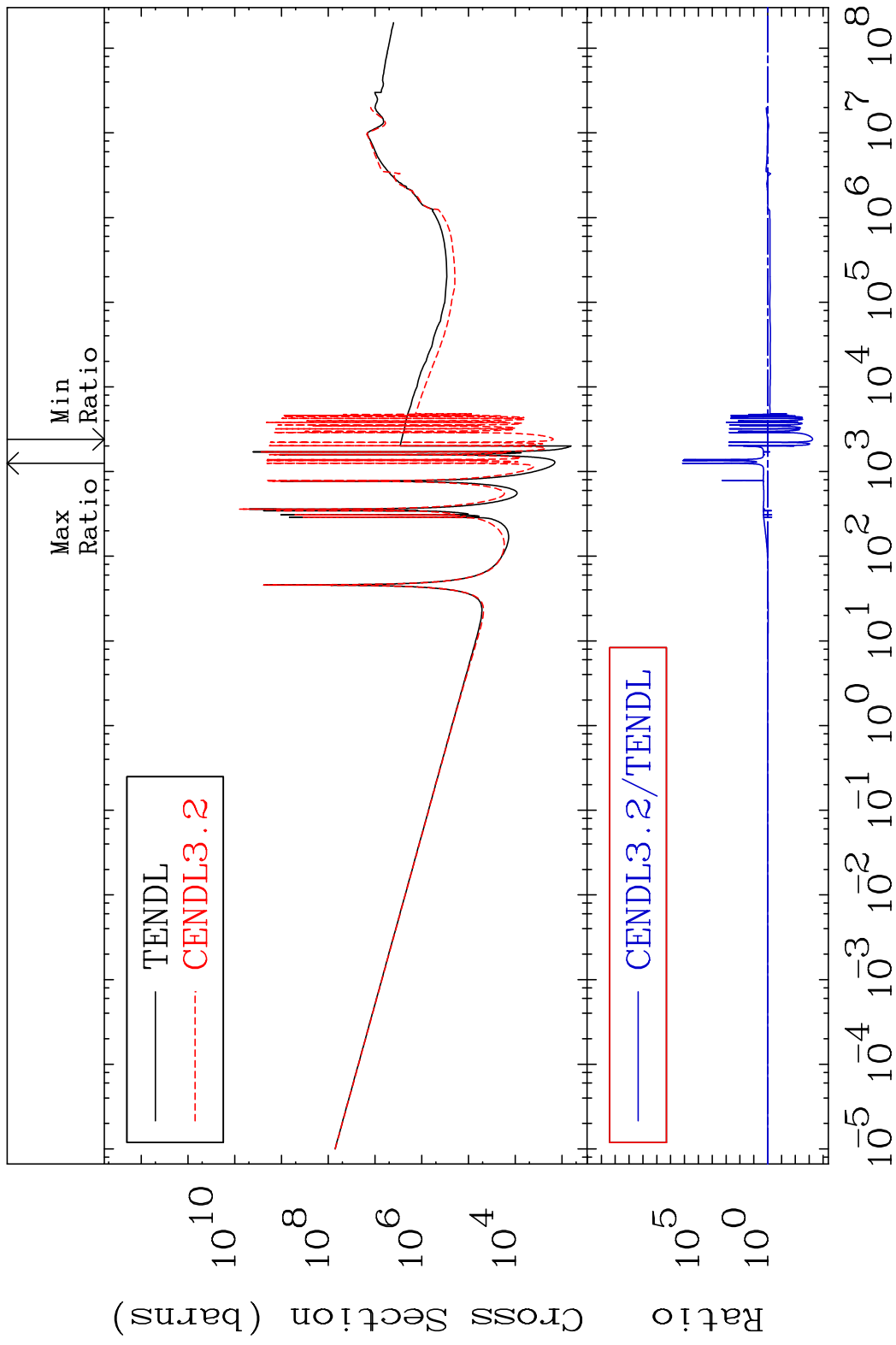


MAT 5043 Kerma capture (mt102) 50-Sn-118
 Cross Section -99.56 To 9999. %



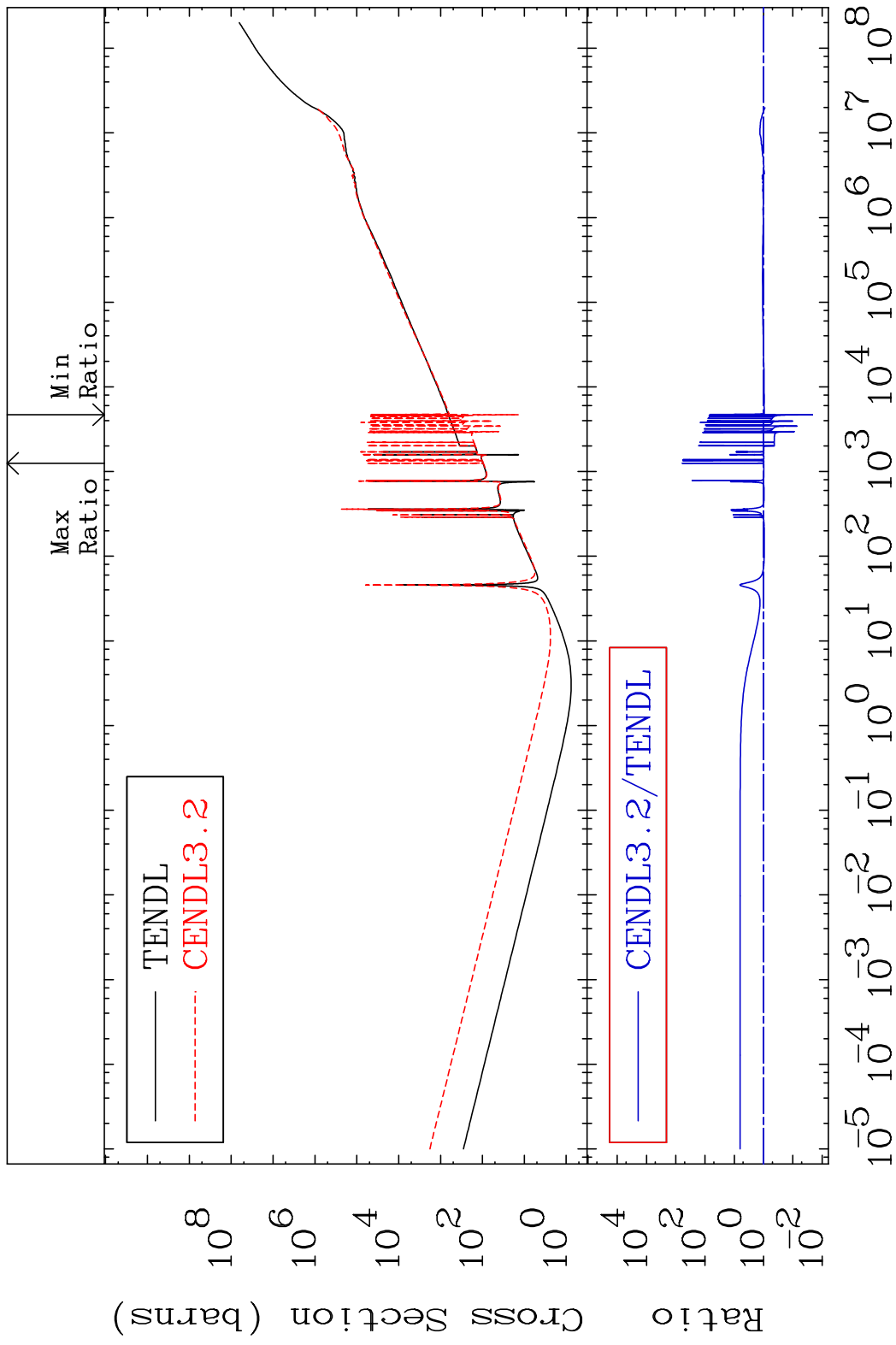
39 Incident Energy (eV) 50-Sn-118

MAT 5043 Total photon (eV-barns) 50-Sn-118
Cross Section -99.94 To 9999. %

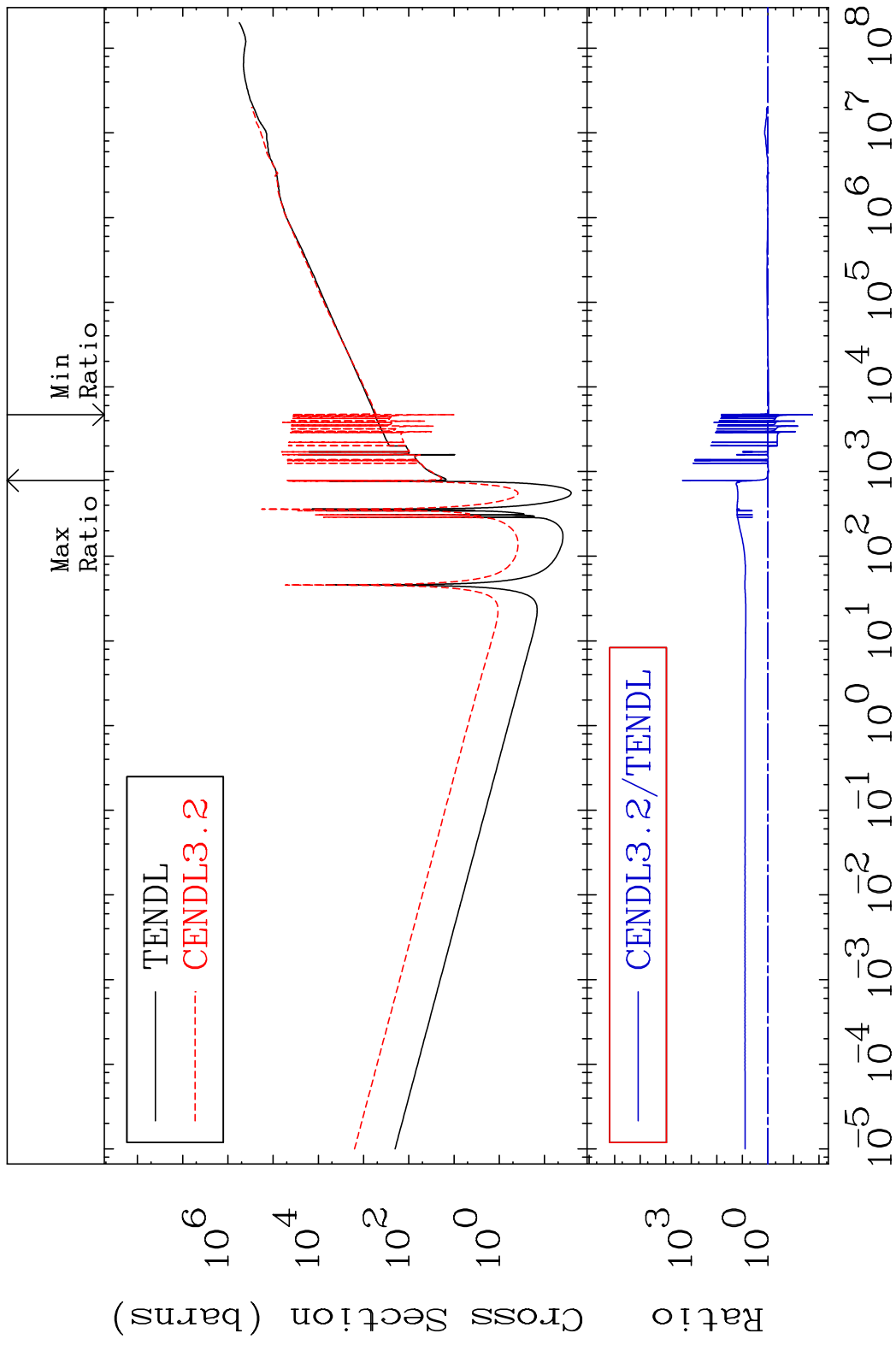


40 Incident Energy (eV) 50-Sn-118

MAT 5043 Total kinematic kerma (high limit) 50-Sn-118
 Cross Section -97.88 To 9999. %



MAT 5043 Dpa total (eV-barns) 50-Sn-118
 Cross Section -98.22 To 9999. %

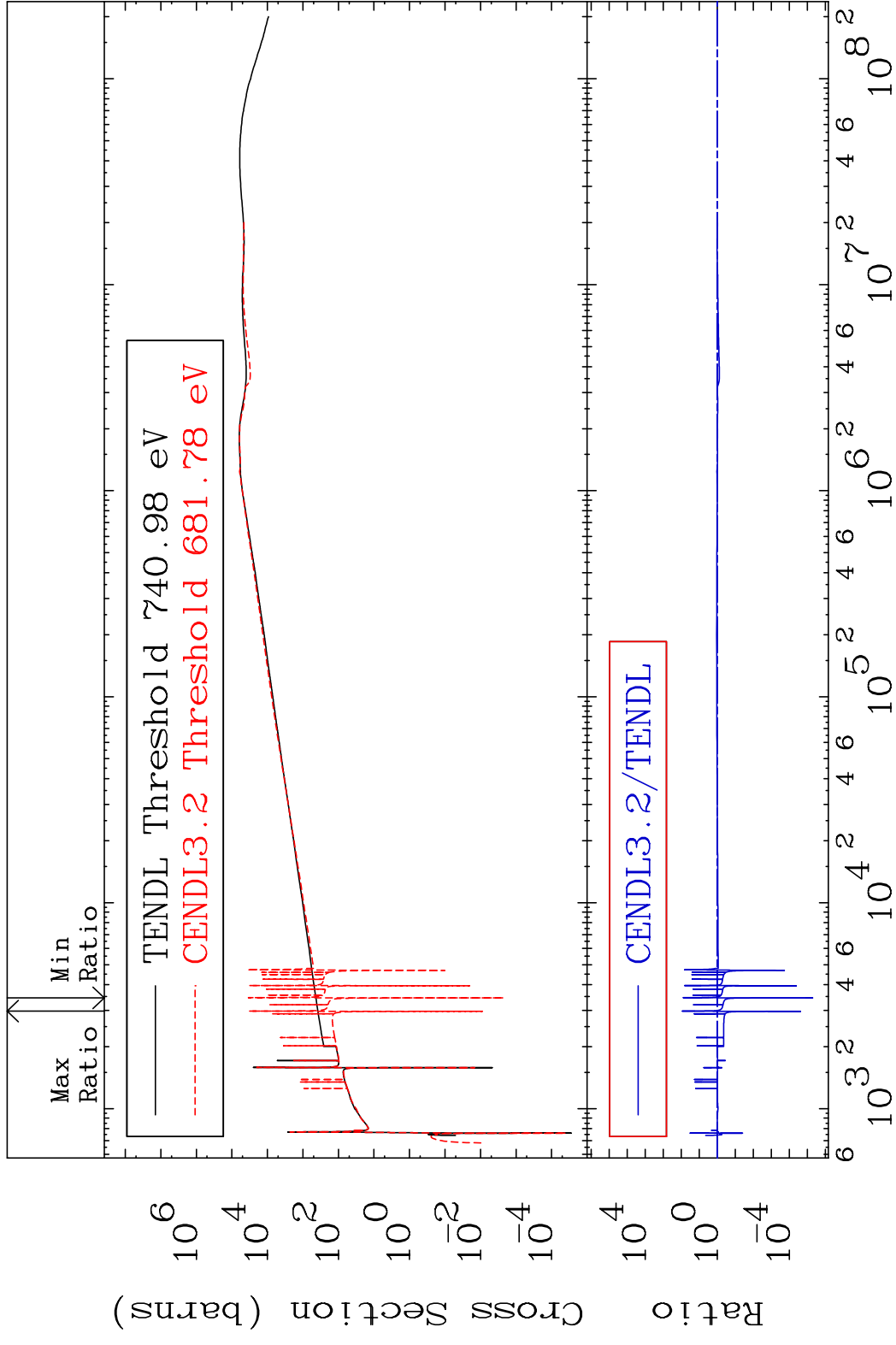


MAT 5043

Dpa elastic (mt2)

50-Sn-118

Cross Section -100.0 To 8624. %

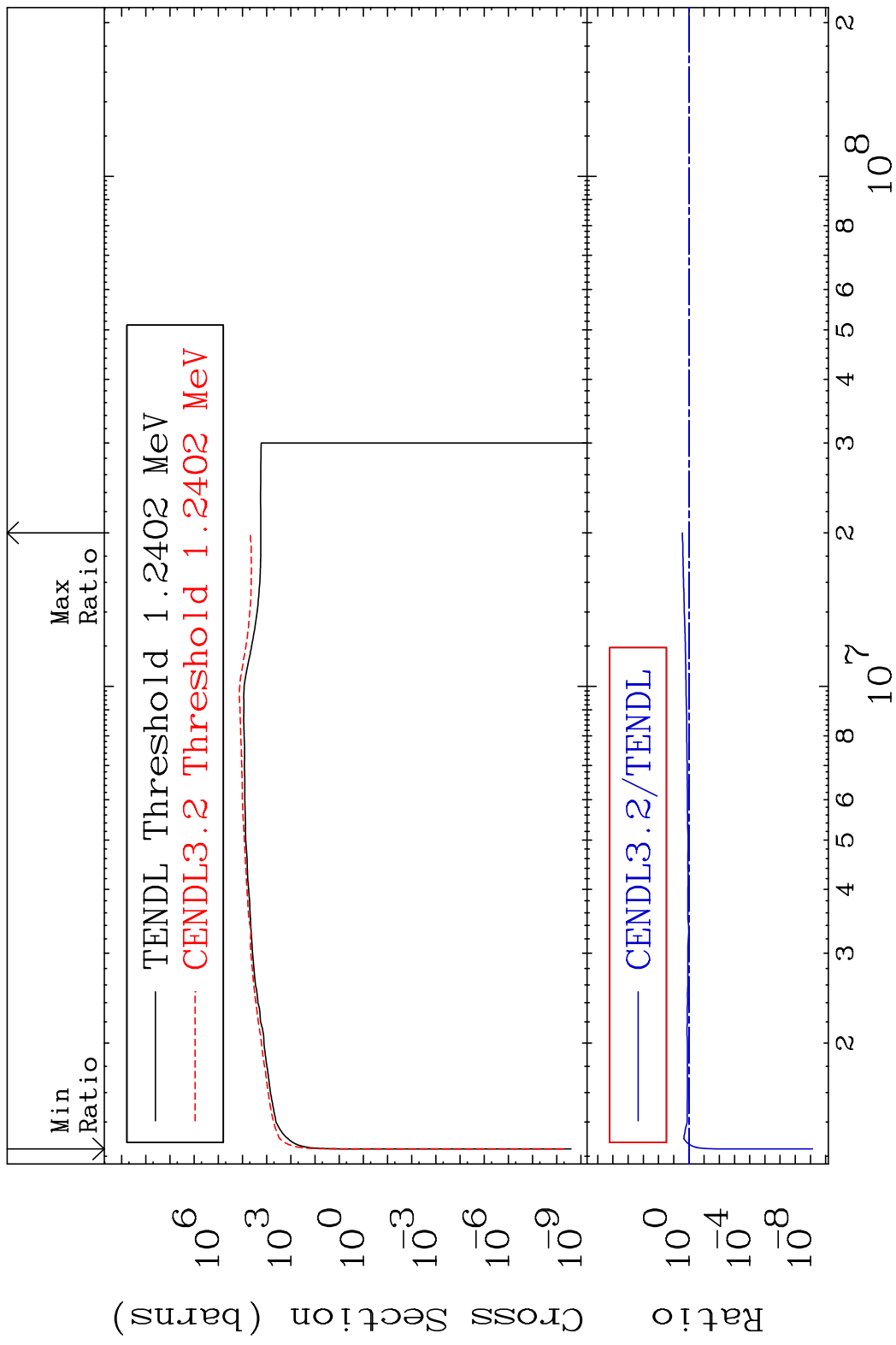


43

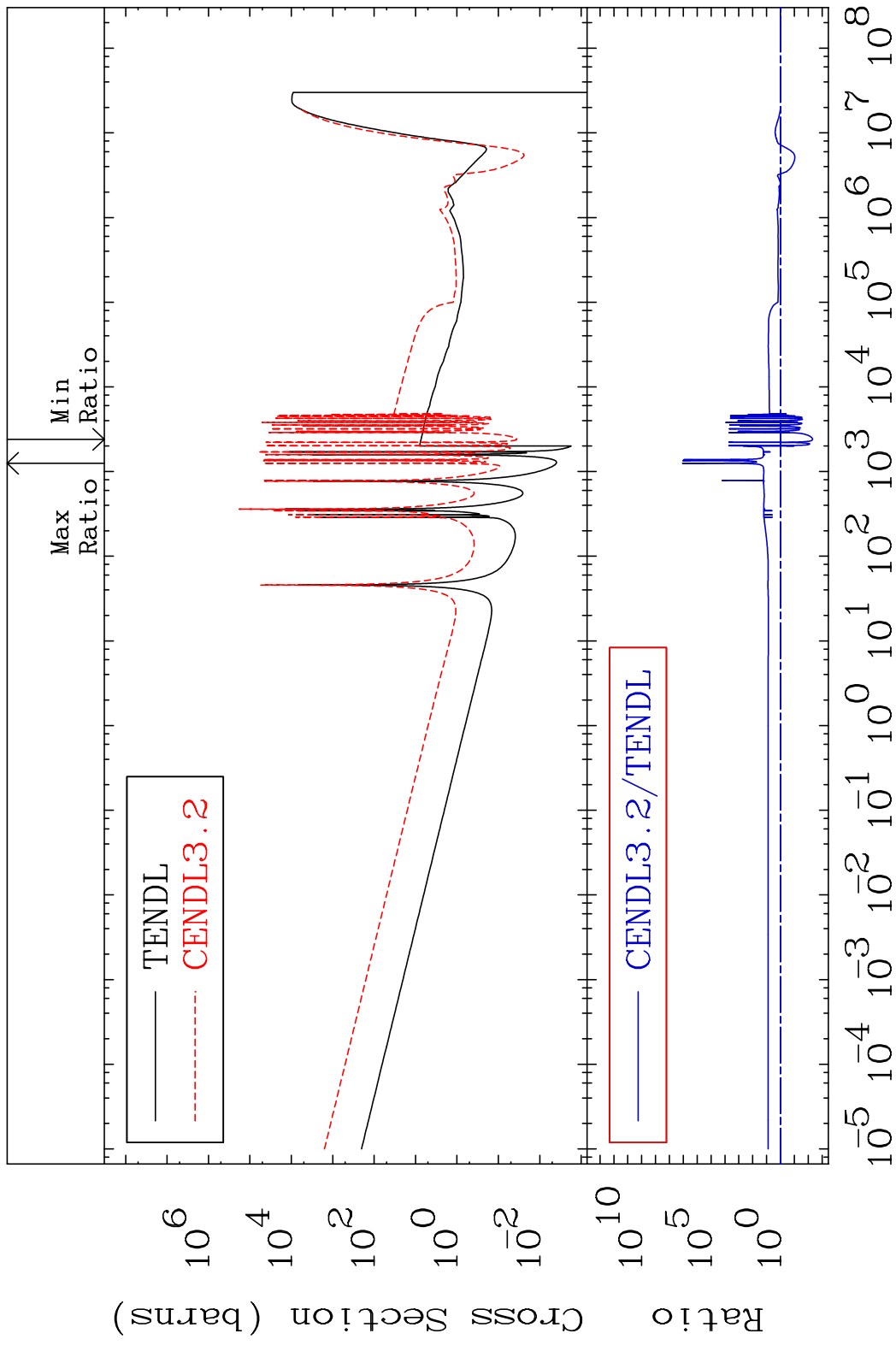
Incident Energy (eV)

50-Sn-118

MAT 5043 Dpa inelastic (mt51-91) 50-Sn-118
 Cross Section -100.0 To 170.4 %

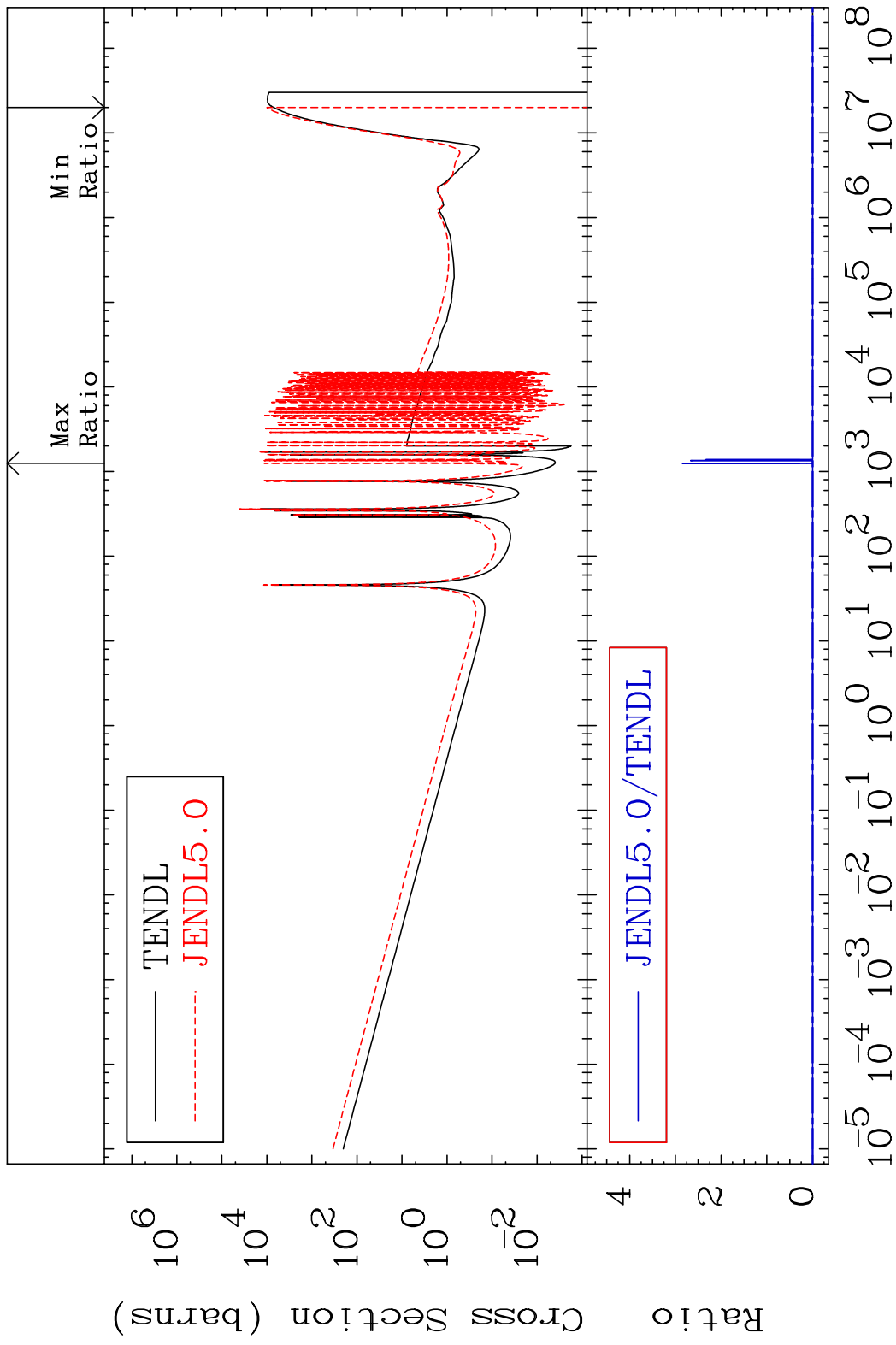


MAT 5043 Dpa disappearance (mt102 -120) 50-Sn-118
 Cross Section -99.51 To 9999. %

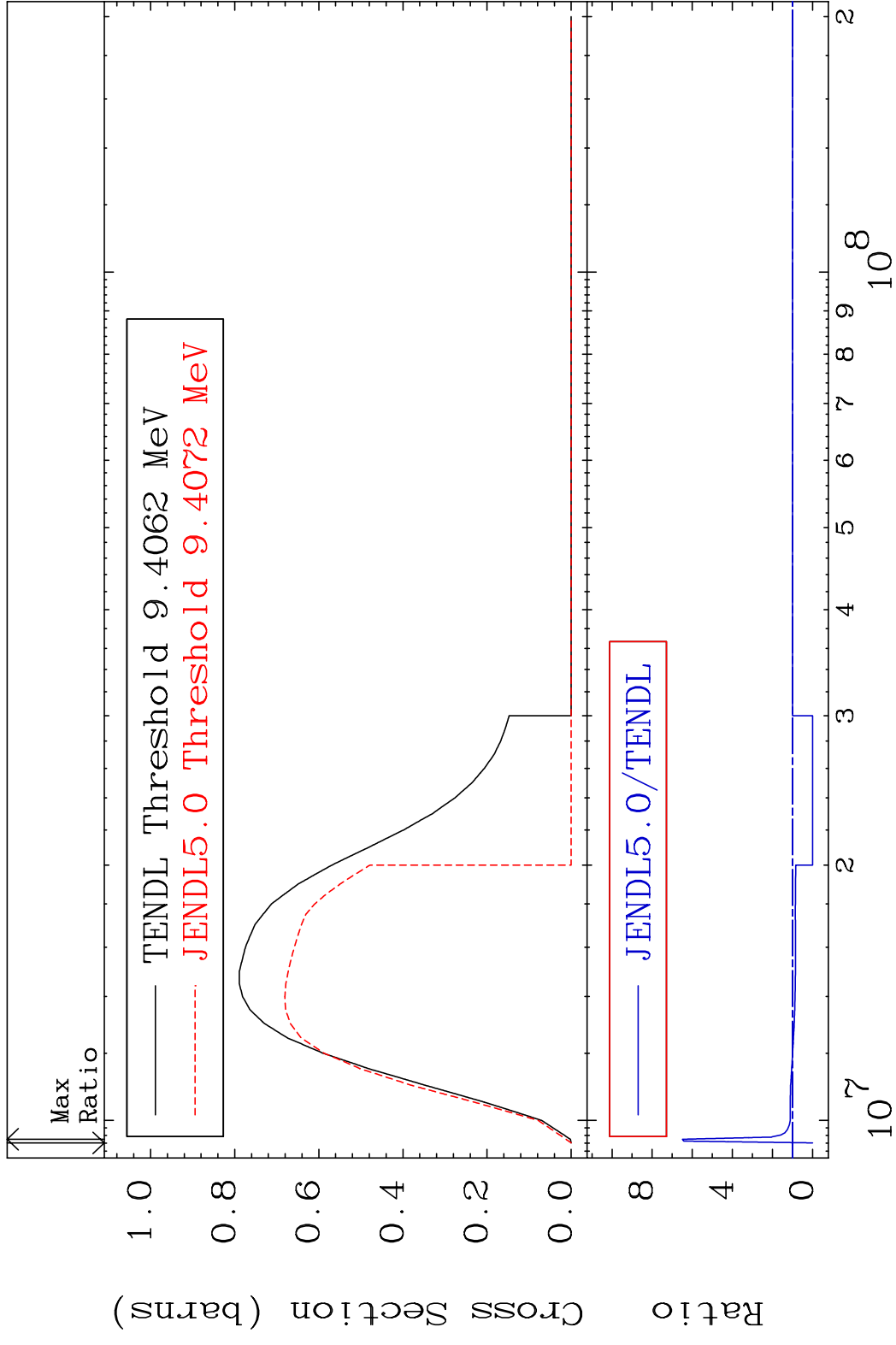


45 Incident Energy (eV) 50-Sn-118

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

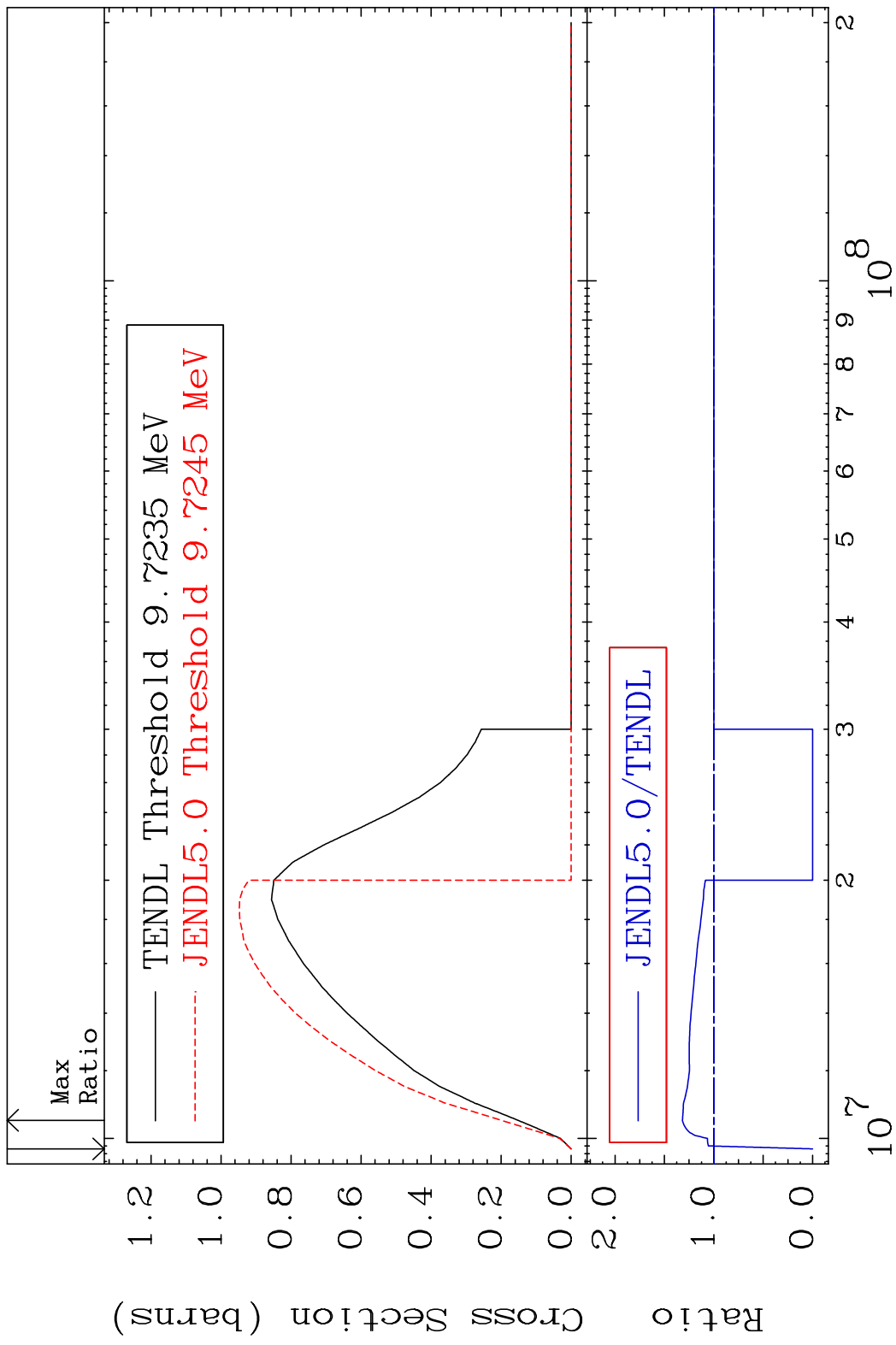


MAT 5043 (n,2n):50-Sn-117g 50-Sn-118
 Radionuclide Production Cross Section 180.0 dth 549.4 %



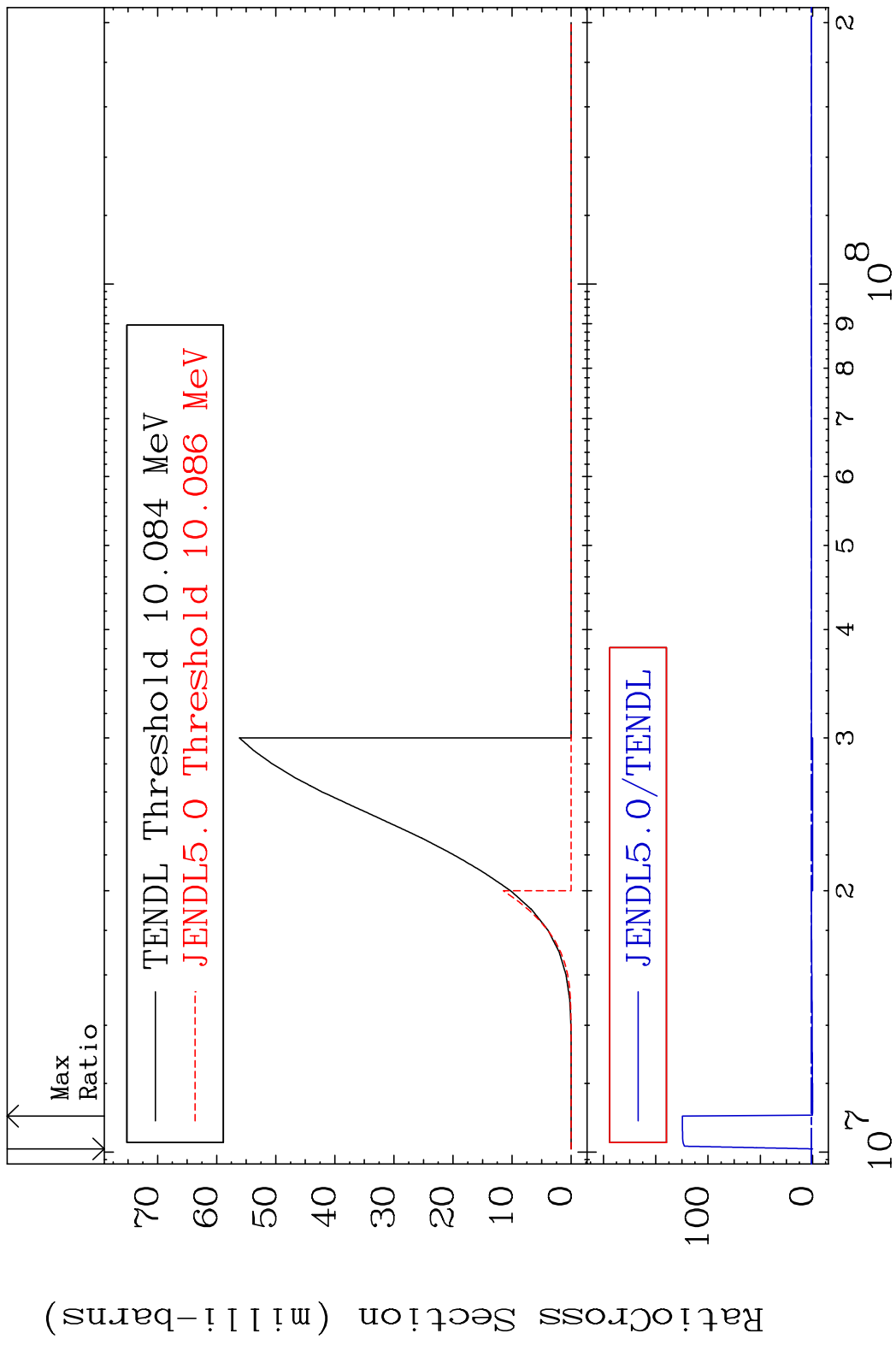
47 50-Sn-118

MAT 5043 (n,2n):50-Sn-117m2 50-Sn-118
 Radionuclide Production Cross Section Ratio 31.83 %

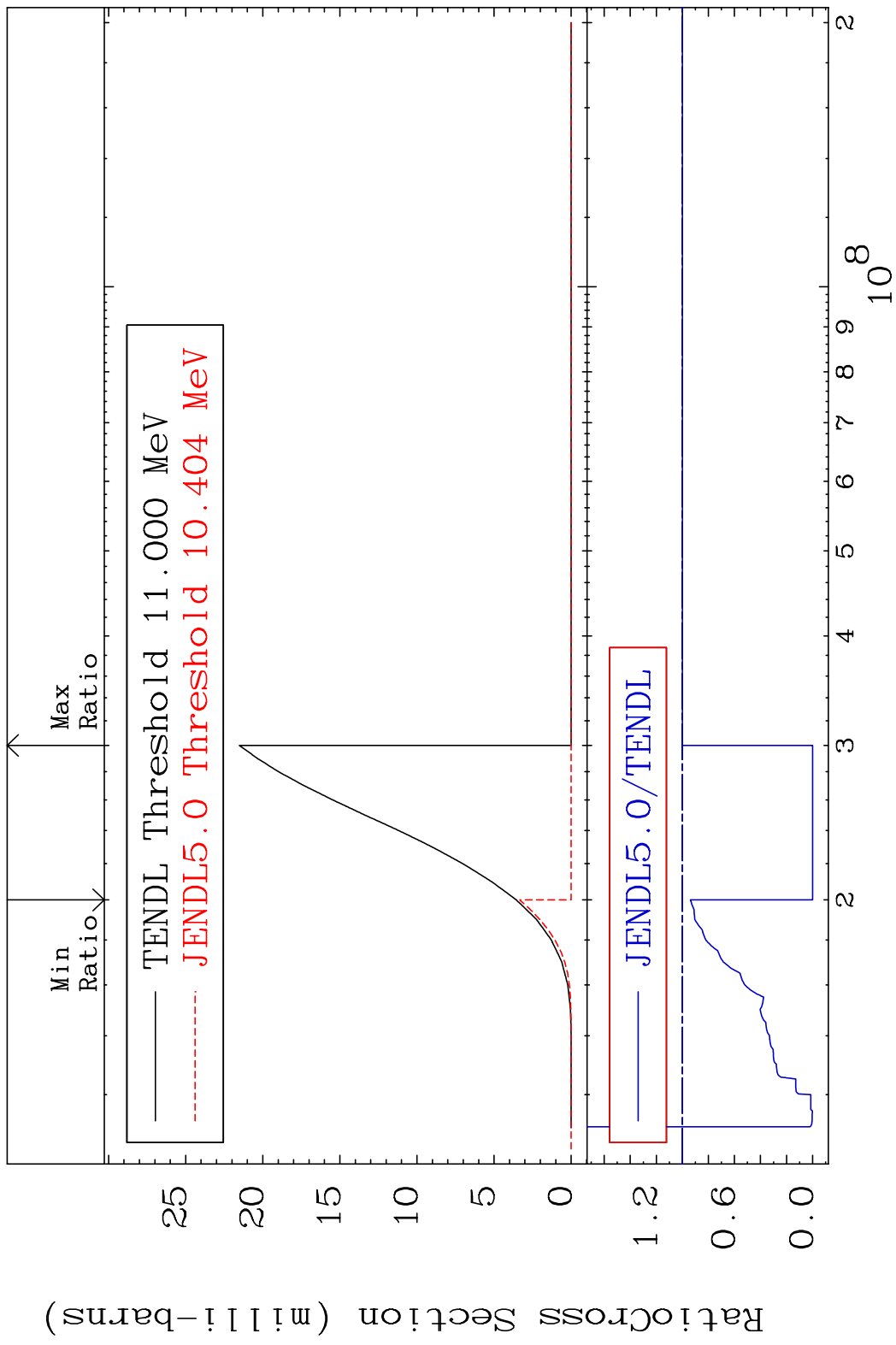


48 Incident Energy (eV) 50-Sn-118

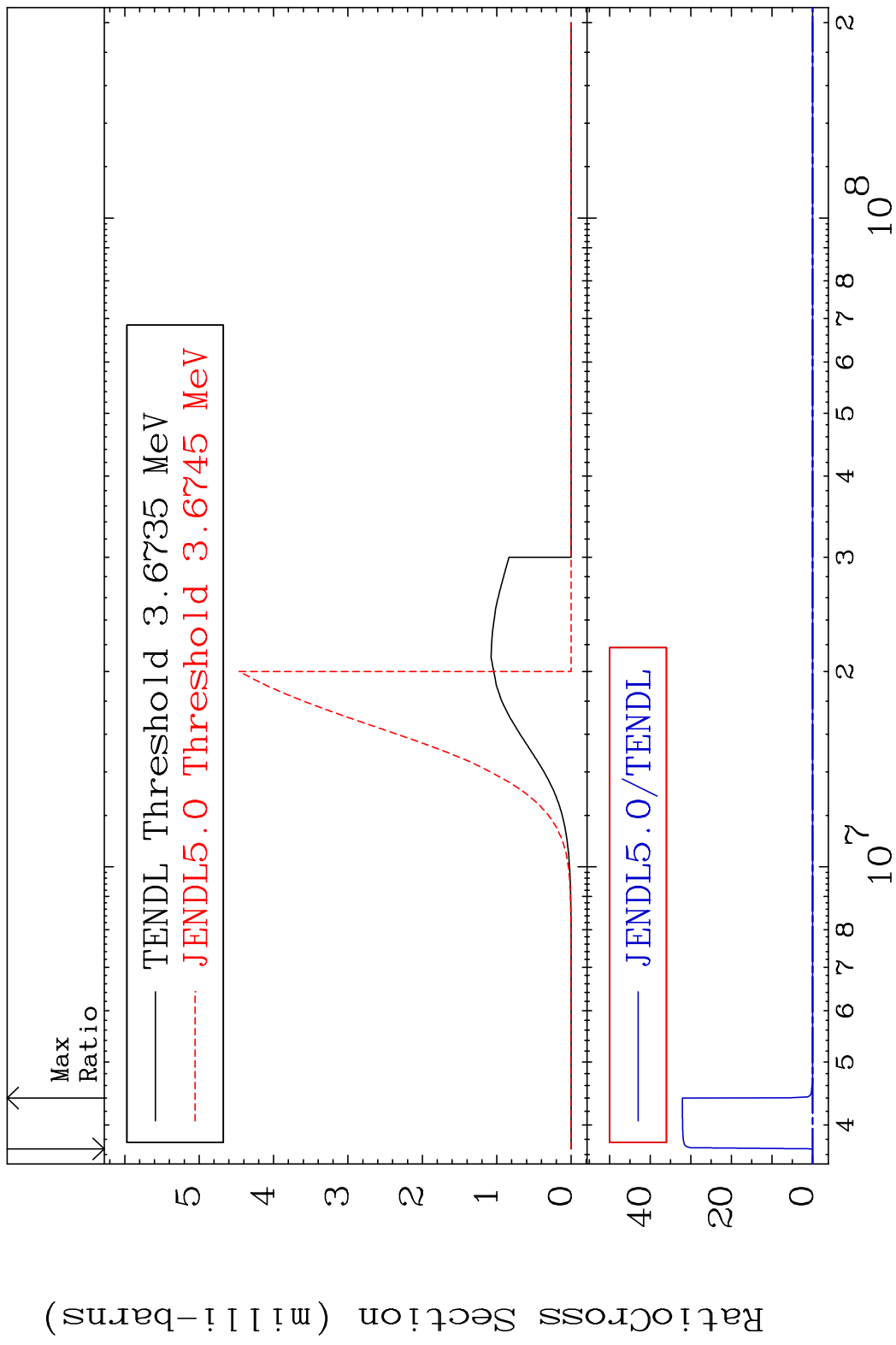
MAT 5043 (n, n') p:49-In-117g 50-Sn-118
 Radionuclide Production Cross Section to 9999. %



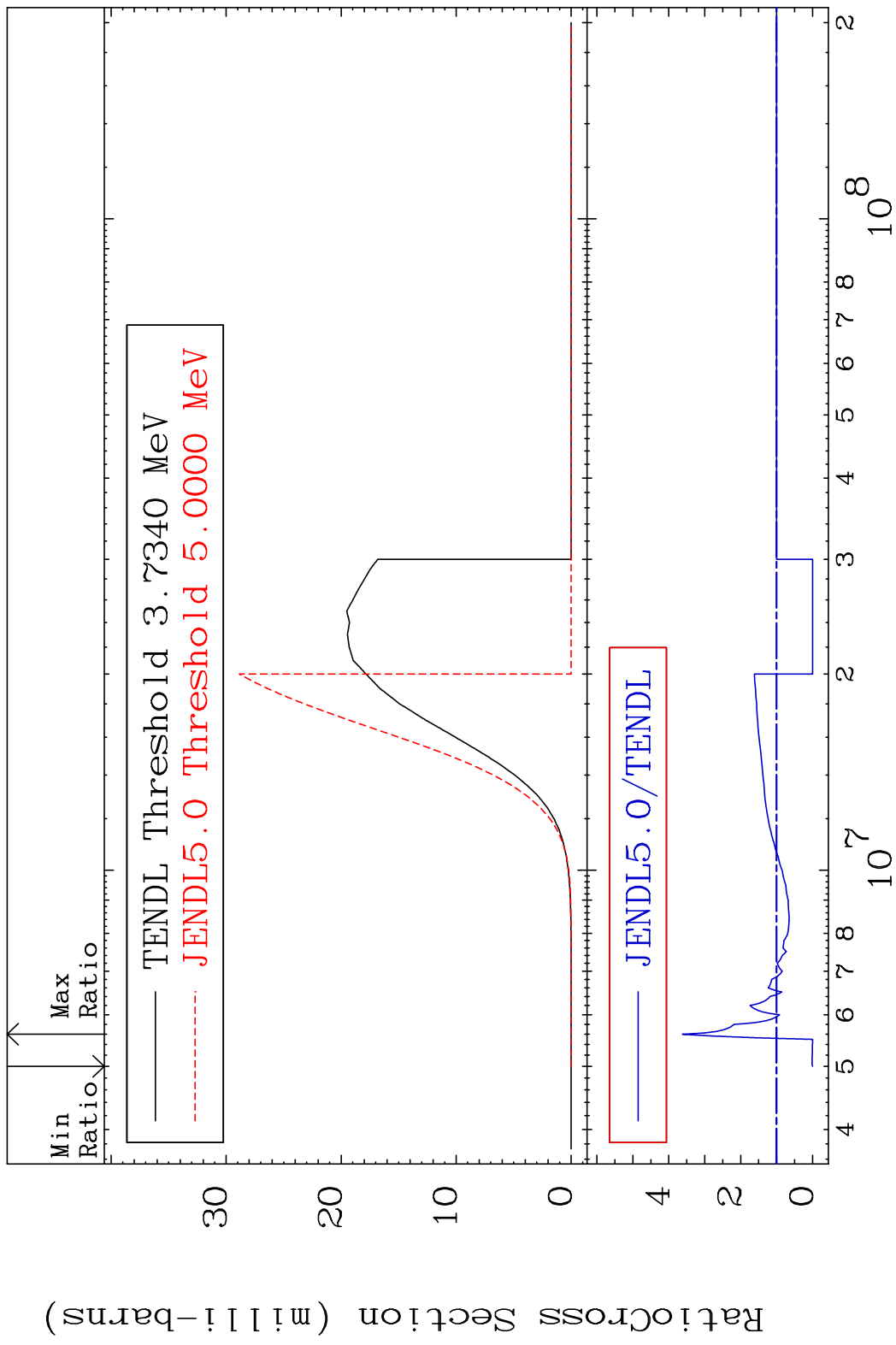
49 Incident Energy (eV) 50-Sn-118

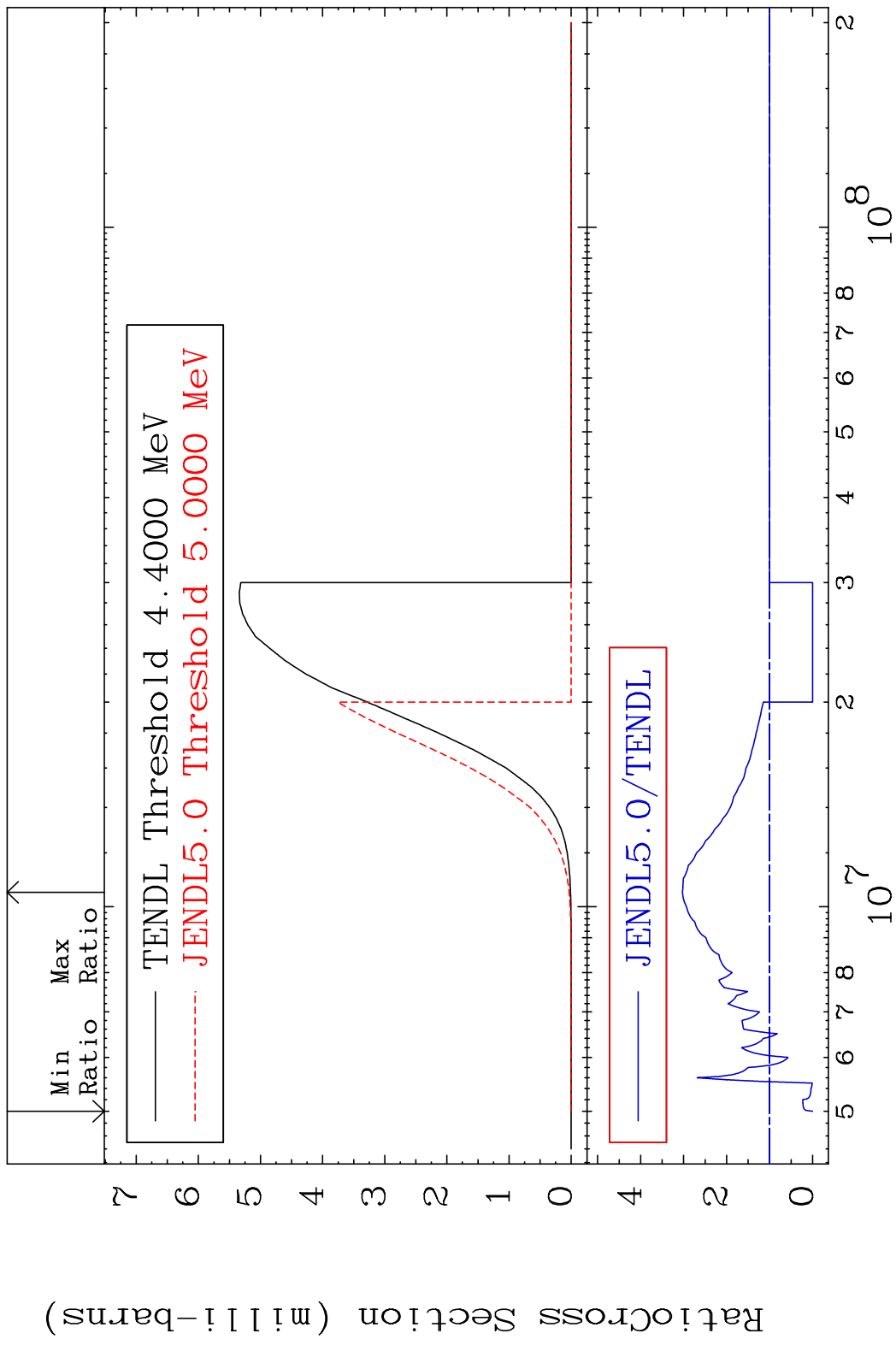


MAT 5043 (n,p):49-In-118g 50-Sn-118
 Radionuclide Production Cross Section to 9999. %

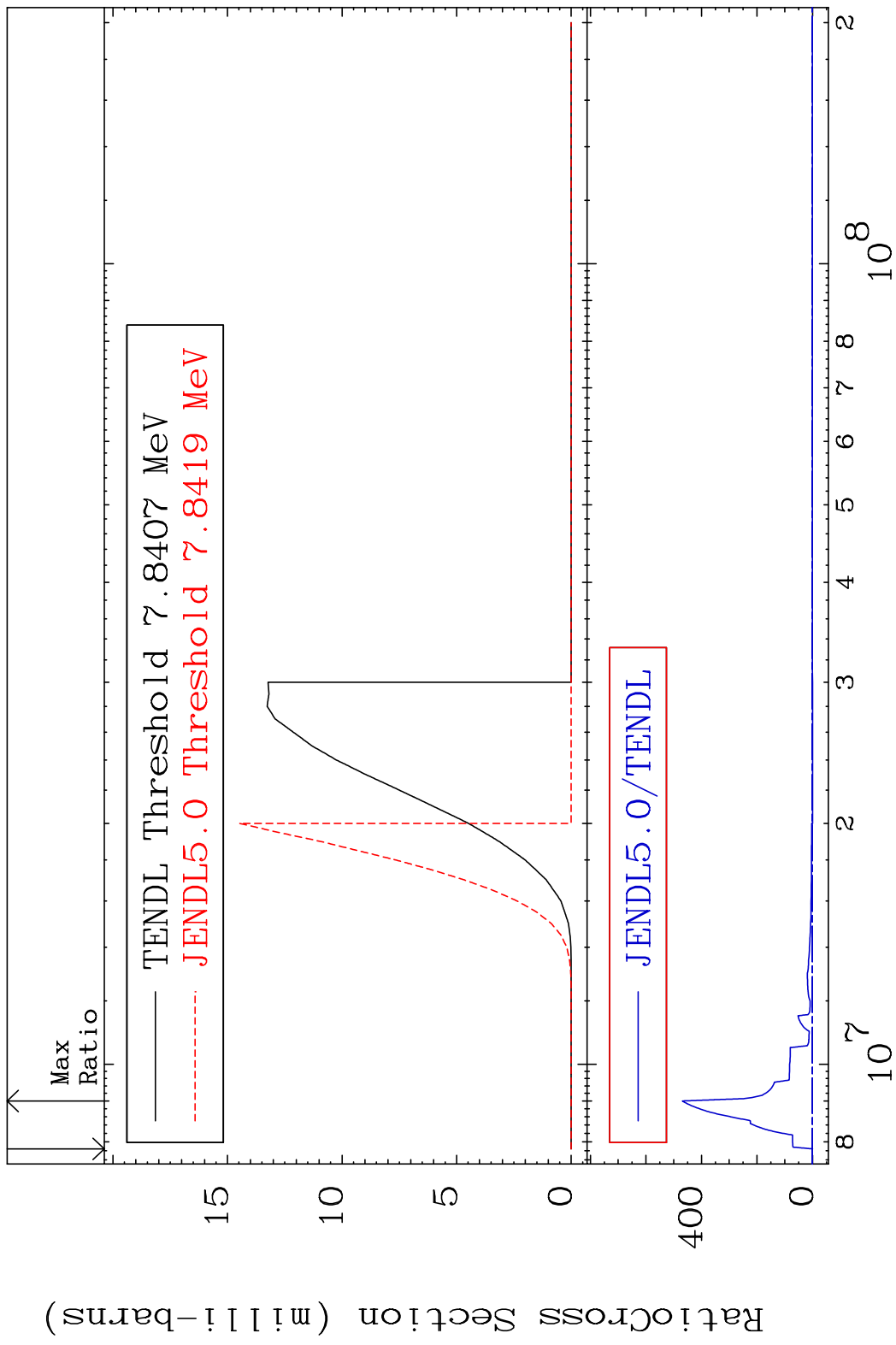


MAT 5043 (n, p): 49-In-118m1 50-Sn-118
 Radionuclide Production Cross Section 180.01 dth 262.3 %



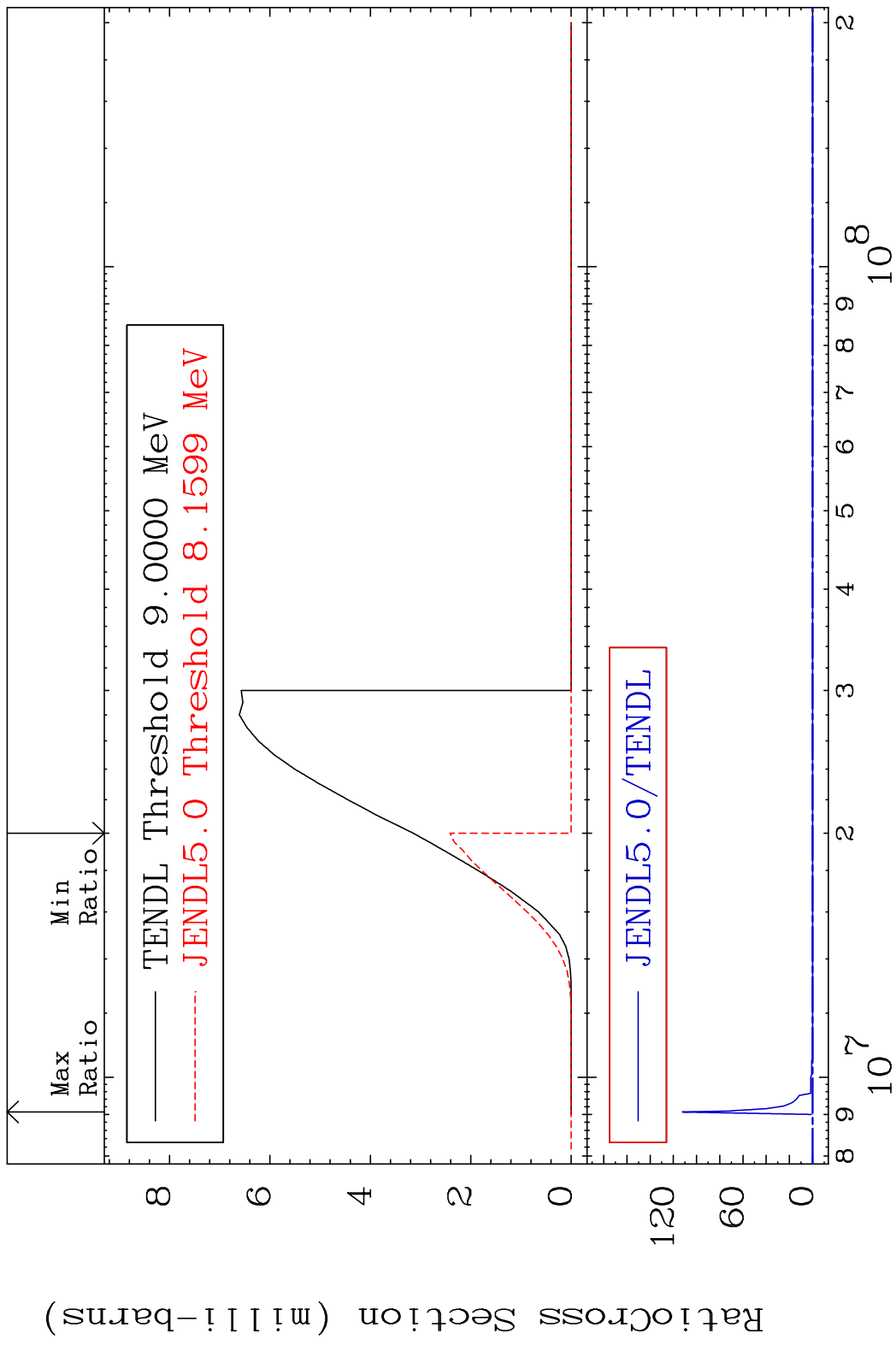


MAT 5043 (n,d):49-In-117g 50-Sn-118
 Radionuclide Production Cross Section 100.00 dth 9999. %



54 Incident Energy (eV) 50-Sn-118

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



55 Incident Energy (eV) 50-Sn-118

