

Program Complot
(Version 2021-1)

by

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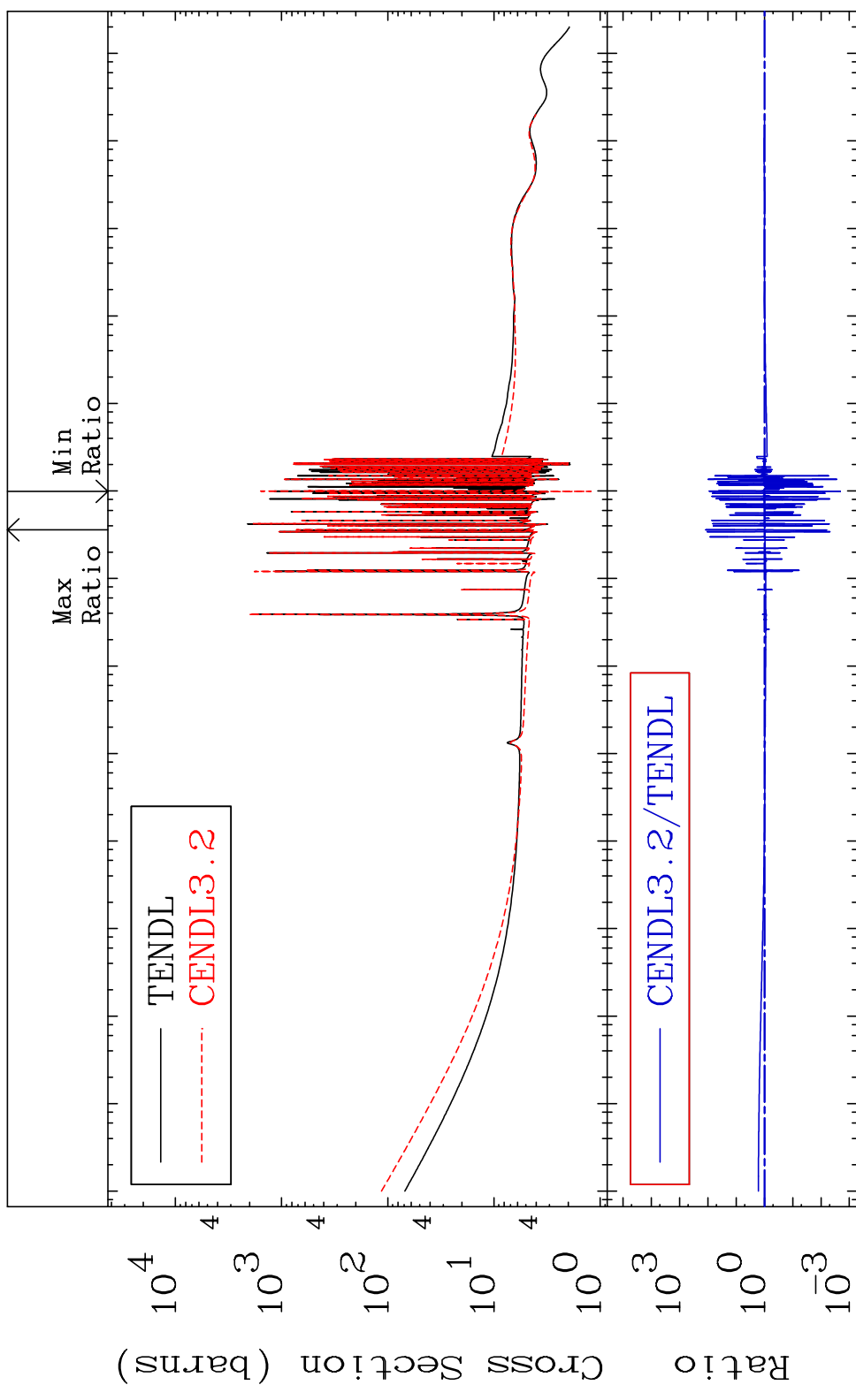
Press Mouse Button to Start

MAT 5040

Total

50-Sn-117

Cross Section -99.79 To 9999. %



10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵

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

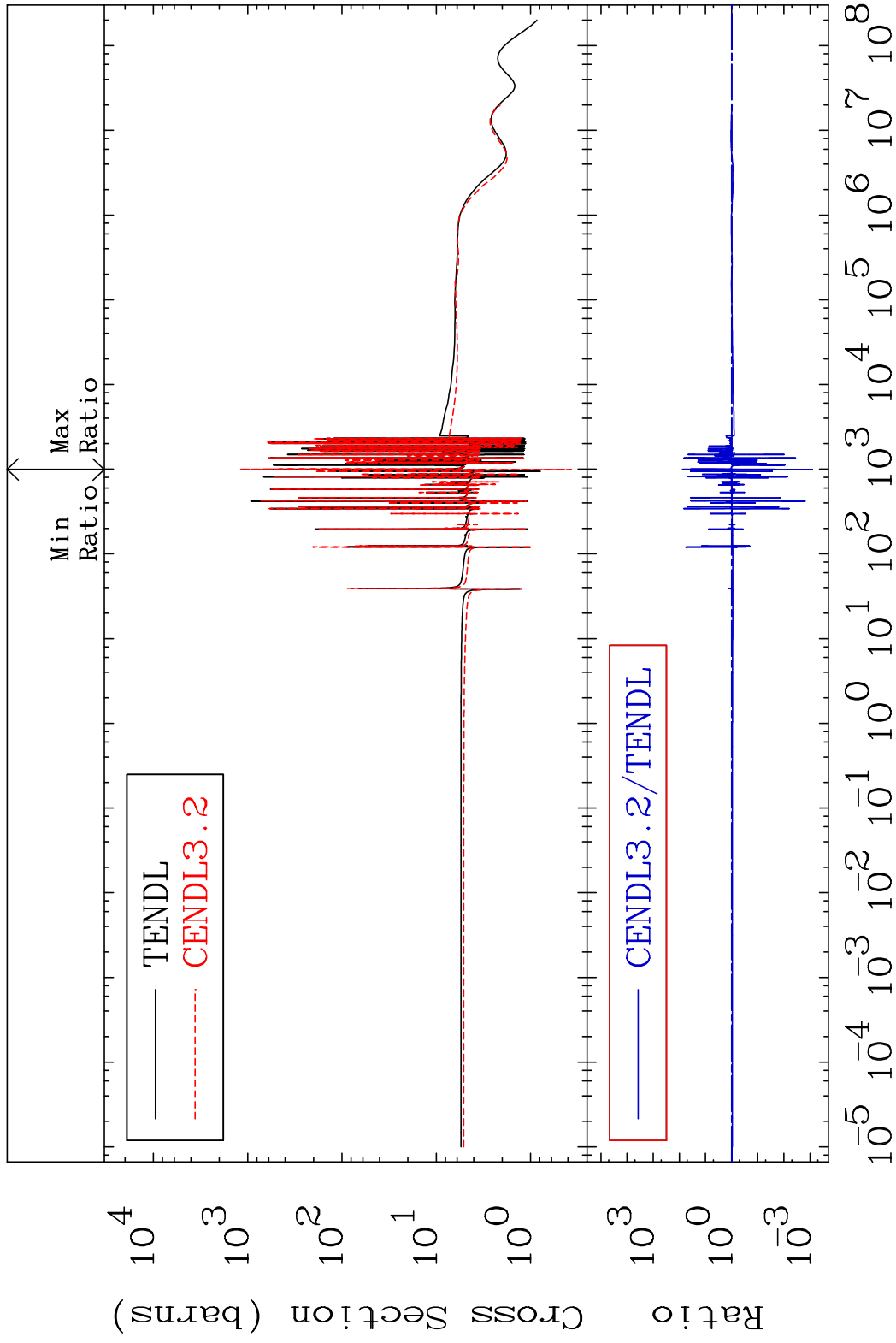
Incident Energy (eV) 50-Sn-117

MAT 5040

Elastic

50-Sn-117

Cross Section -99.92 To 7576. %

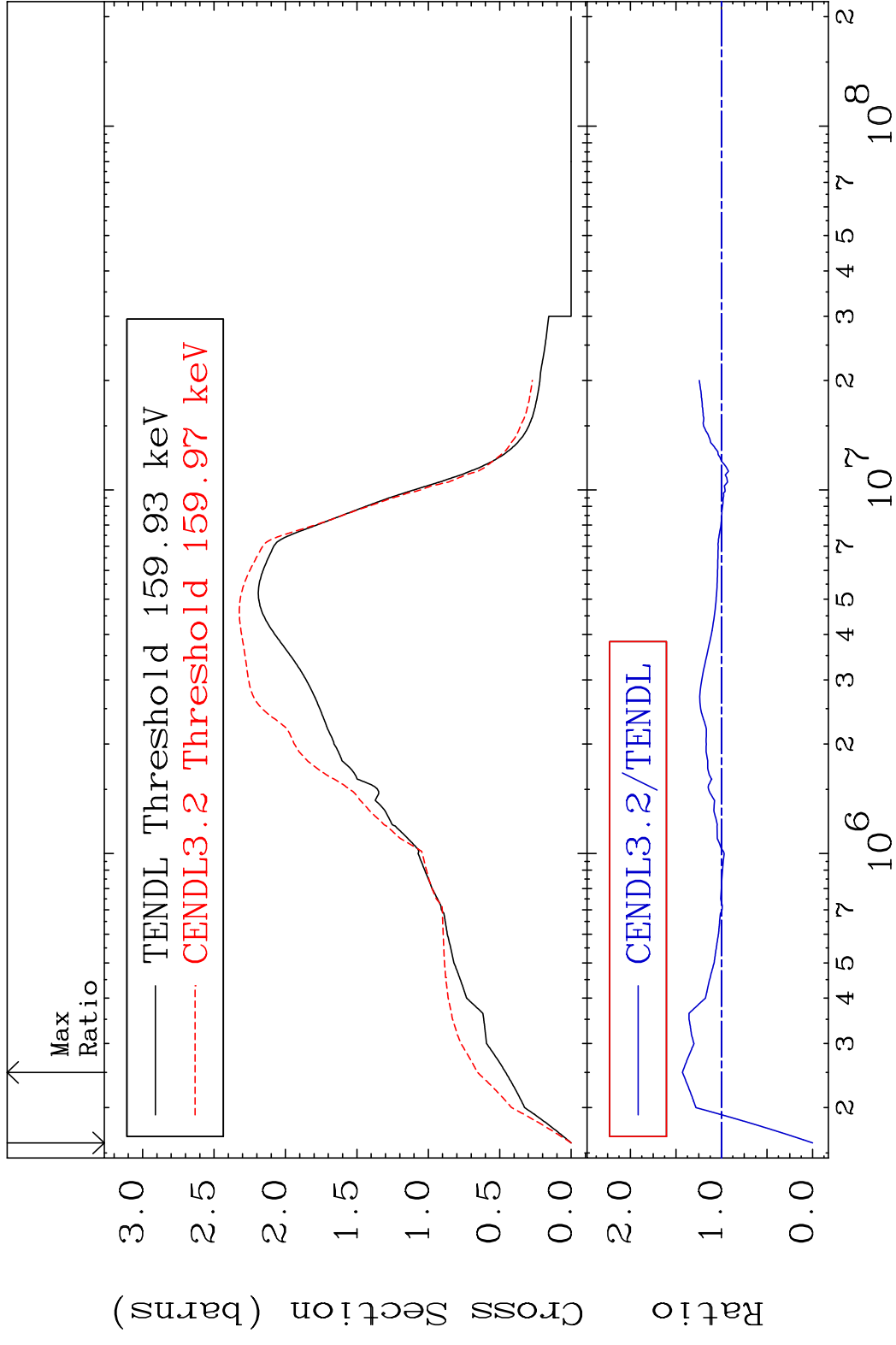


2

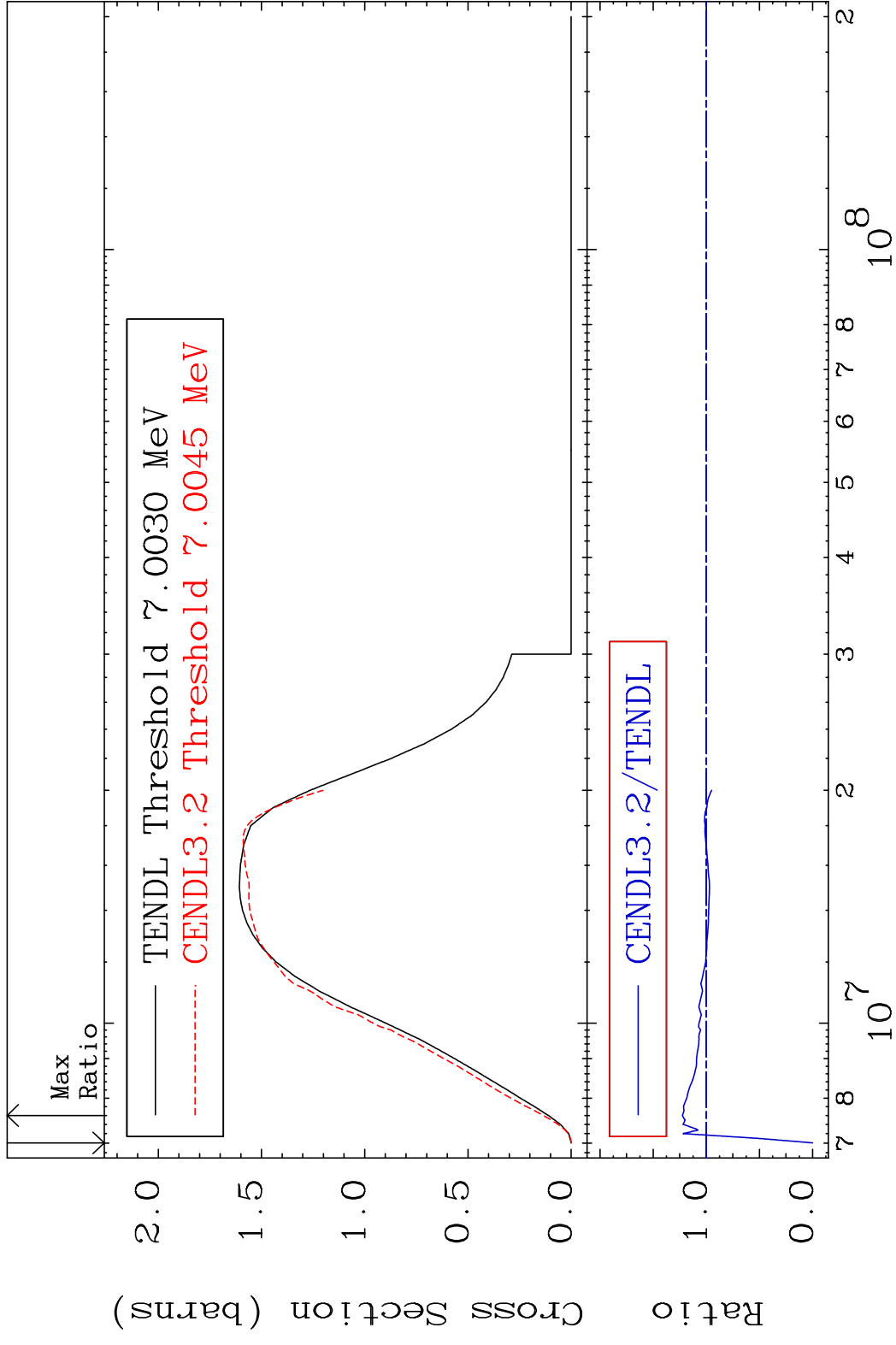
Incident Energy (eV)

50-Sn-117

MAT 5040 Inelastic 50-Sn-117
 Cross Section -100.0 To 42.99 %

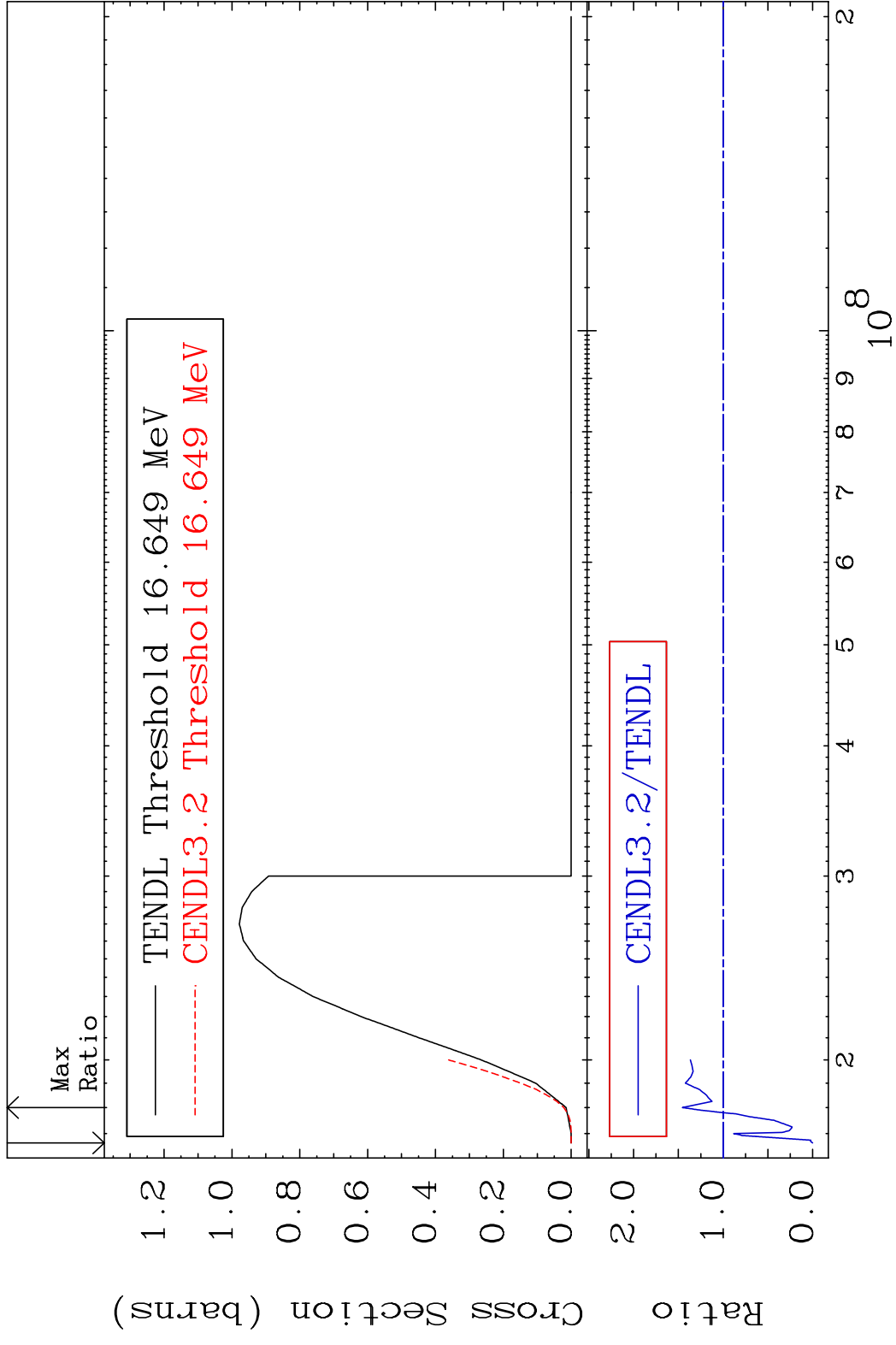


MAT 5040 (n,2n) 50-Sn-117
 Cross Section -100.0 To 22.55 %



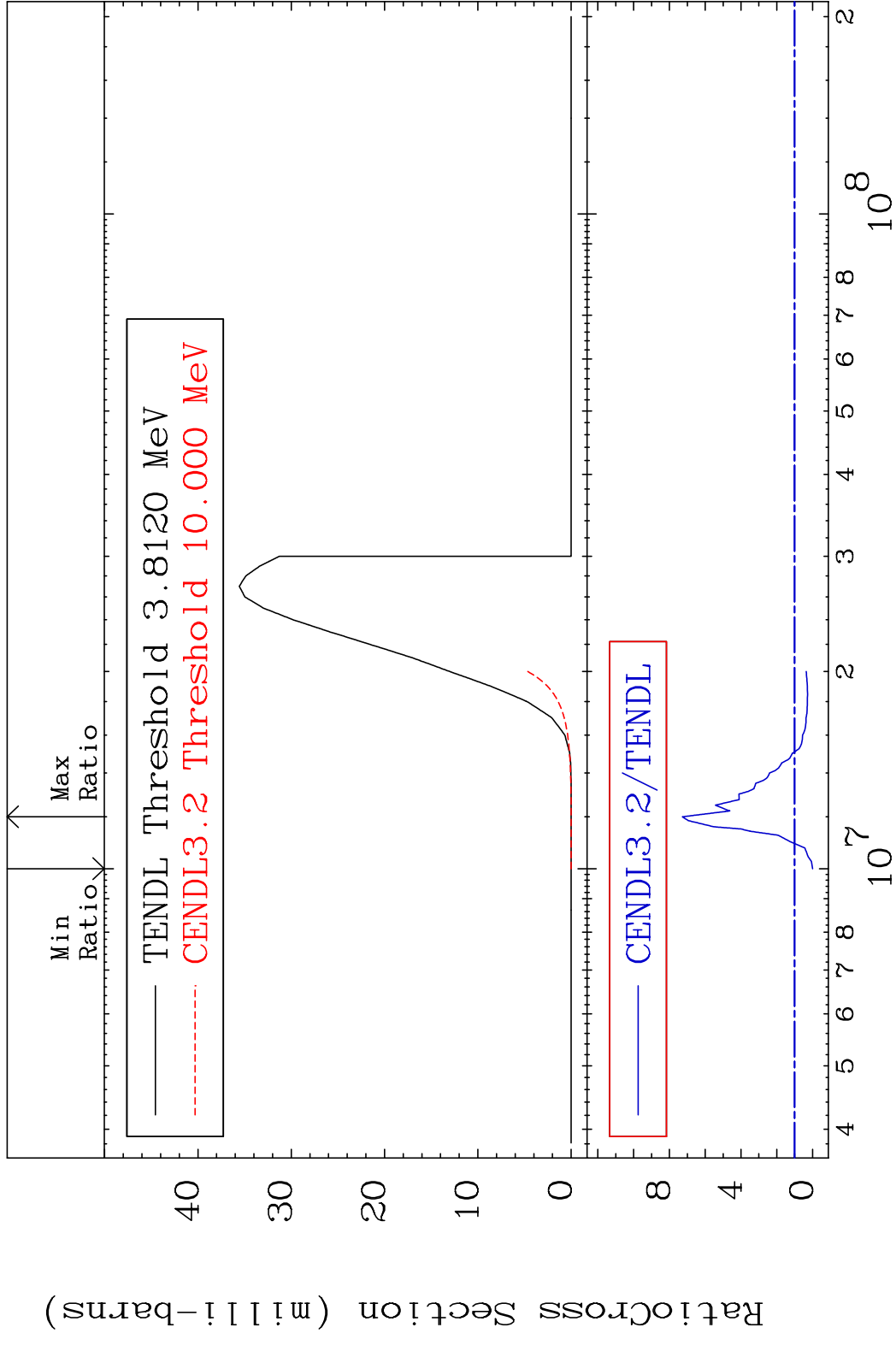
4 Incident Energy (eV) 50-Sn-117

MAT 5040 (n,3n) 50-Sn-117
 Cross Section -100.0 To 45.57 %

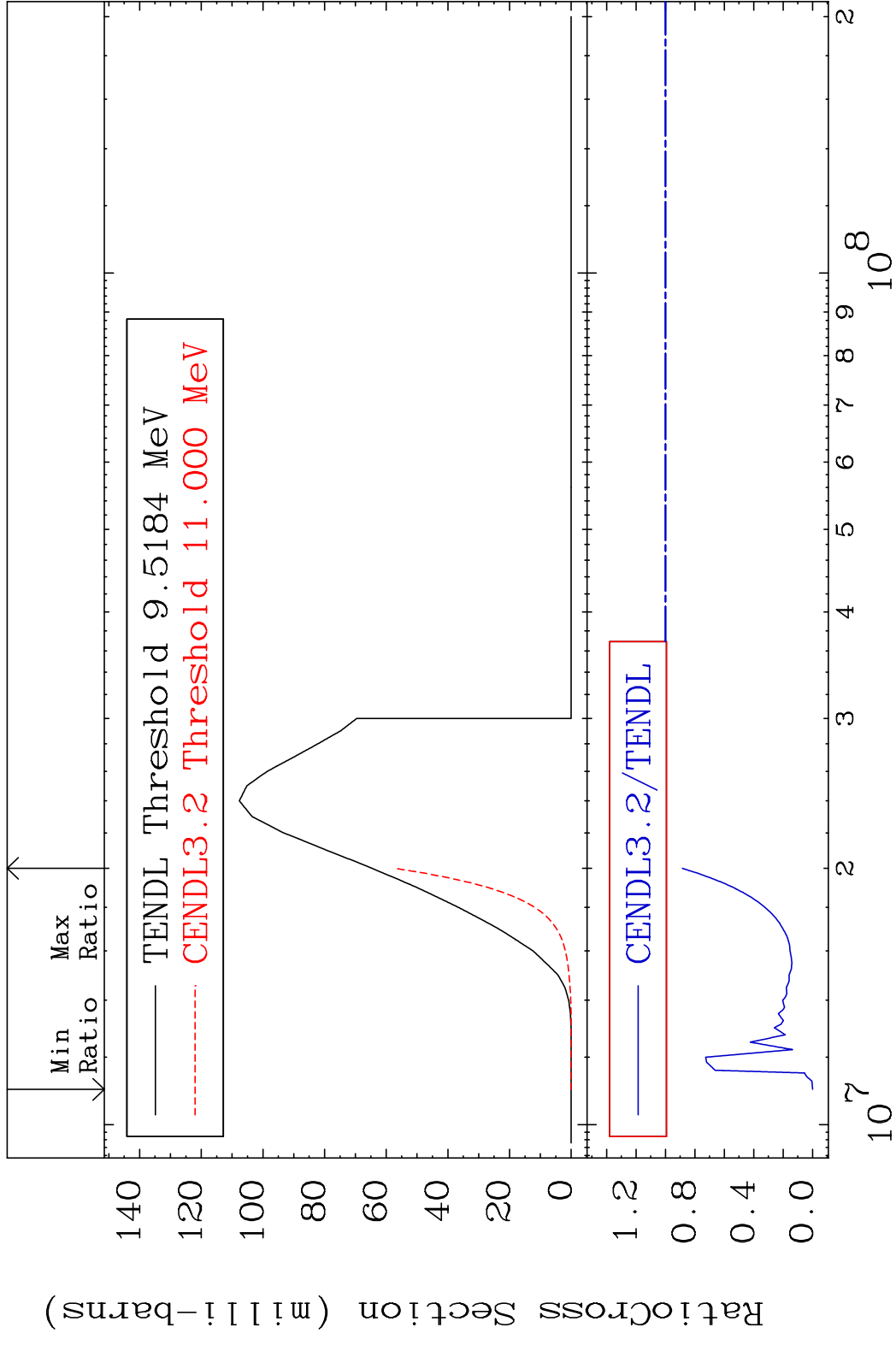


5 Incident Energy (eV) 50-Sn-117

MAT 5040 (n, n') α 50-Sn-117
 Cross Section -100.0 To 627.9 %

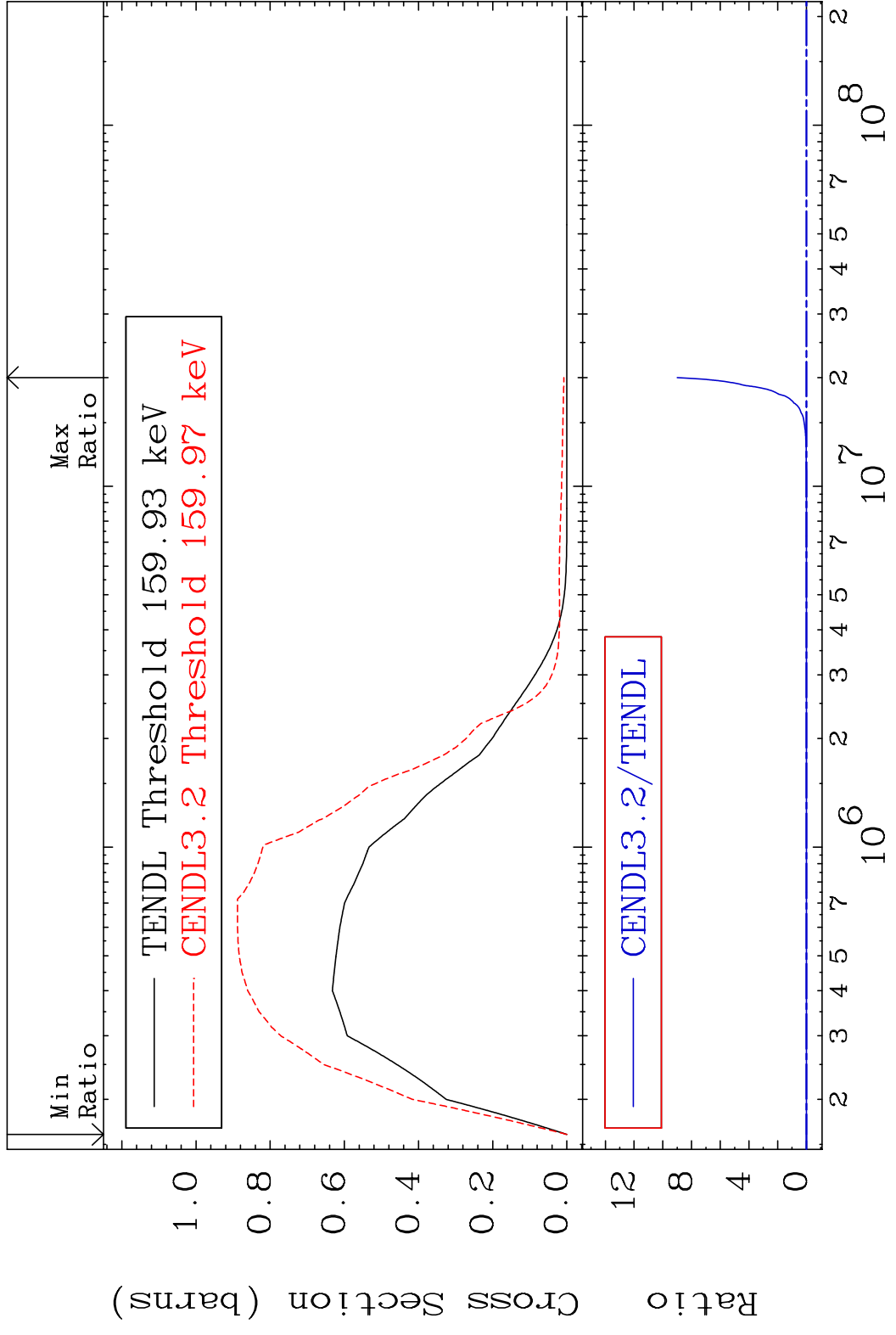


MAT 5040 (n, n') p 50-Sn-117
 Cross Section -100.0 To -11.49%

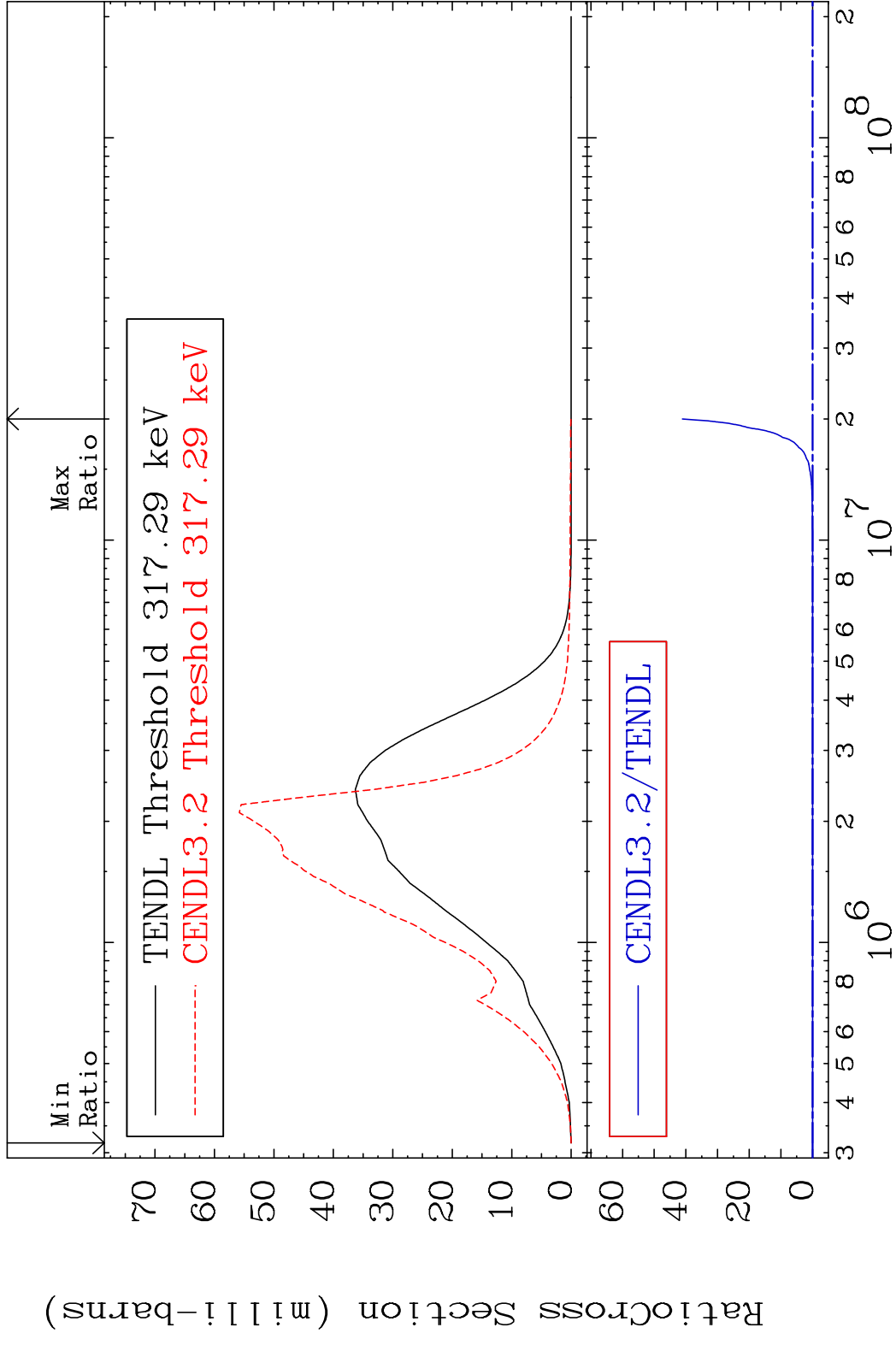


7 10⁷ 2 10⁸ 50-Sn-117

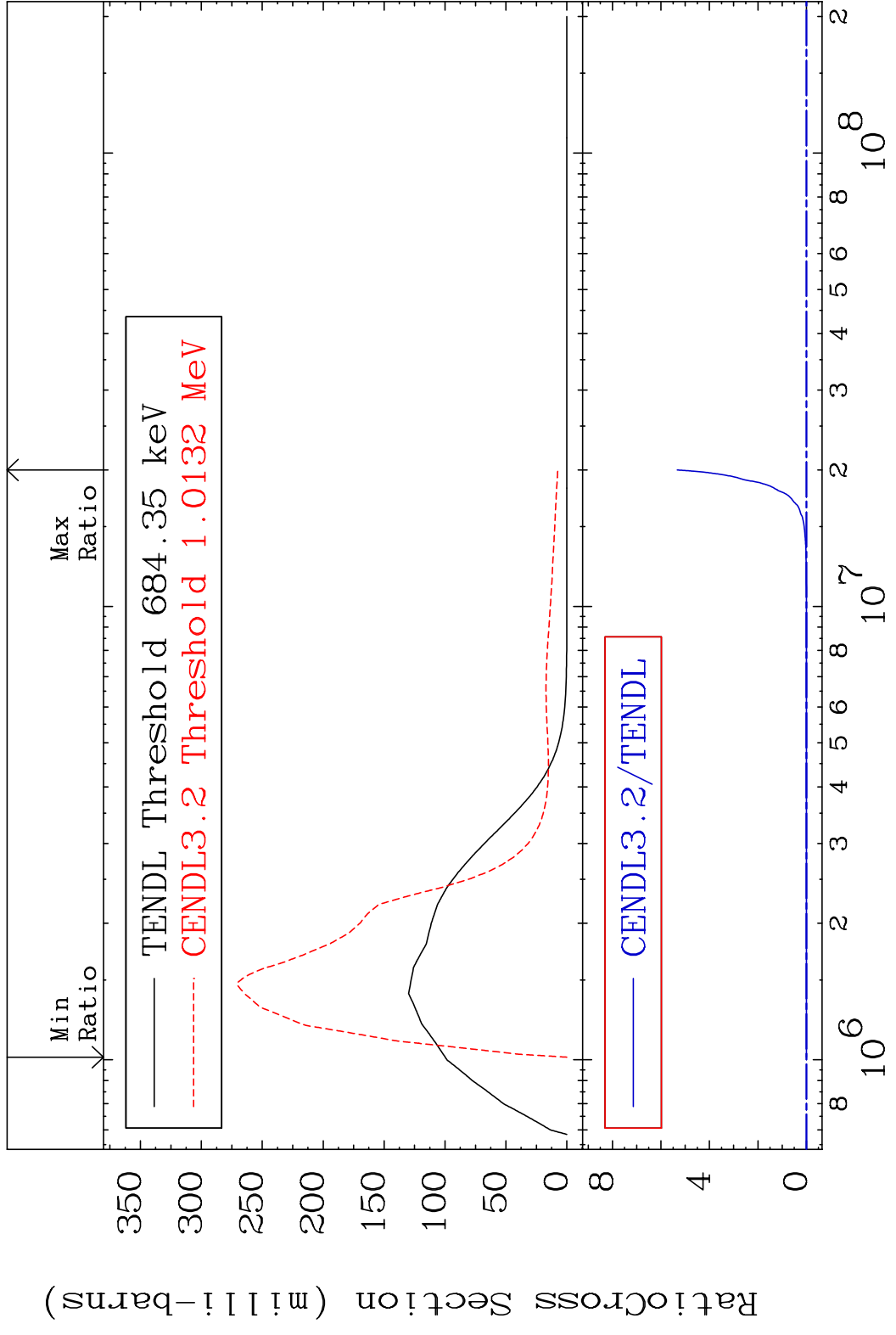
MAT 5040 MT= 51 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



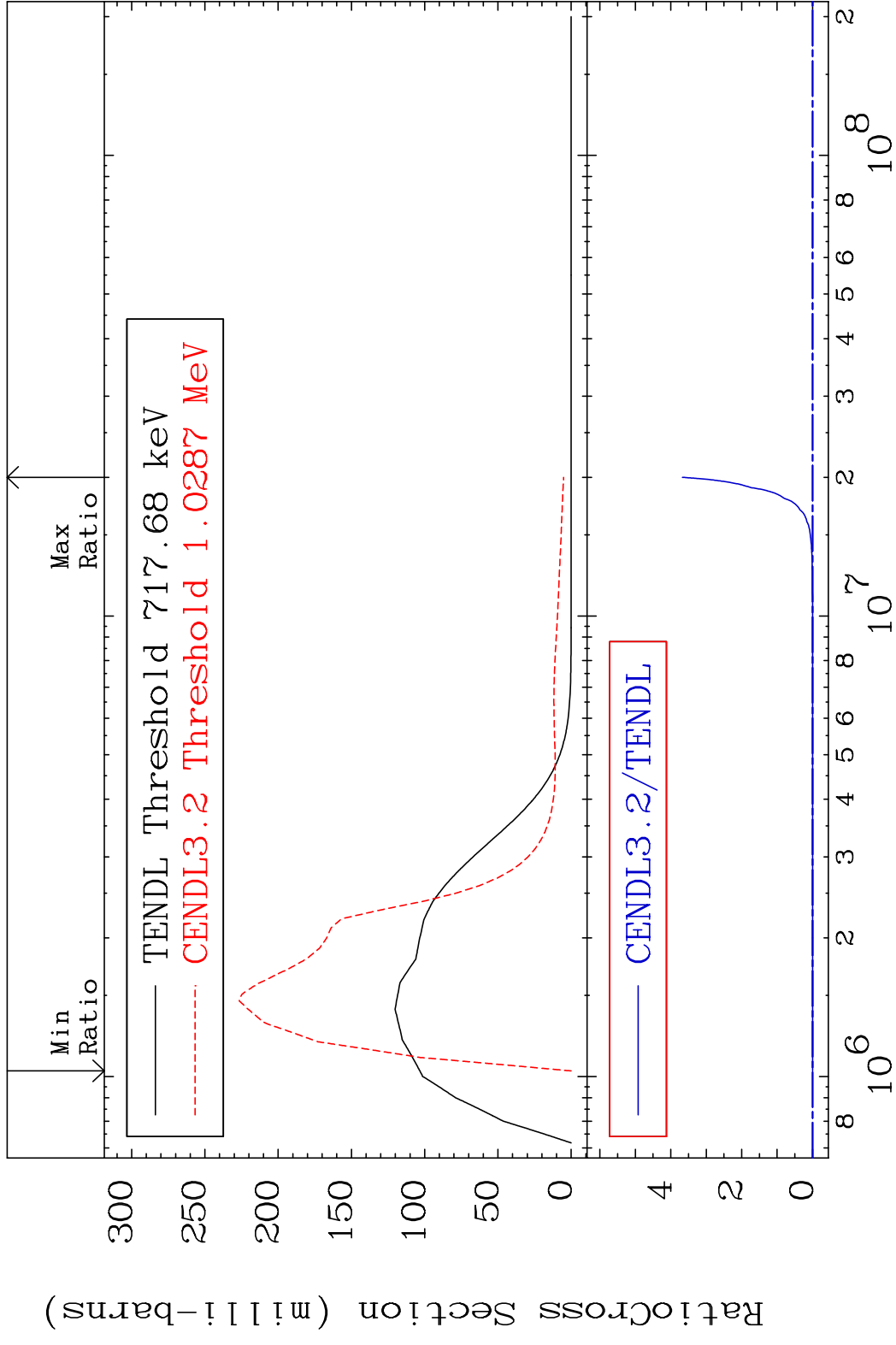
MAT 5040 MT= 52 (n,n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



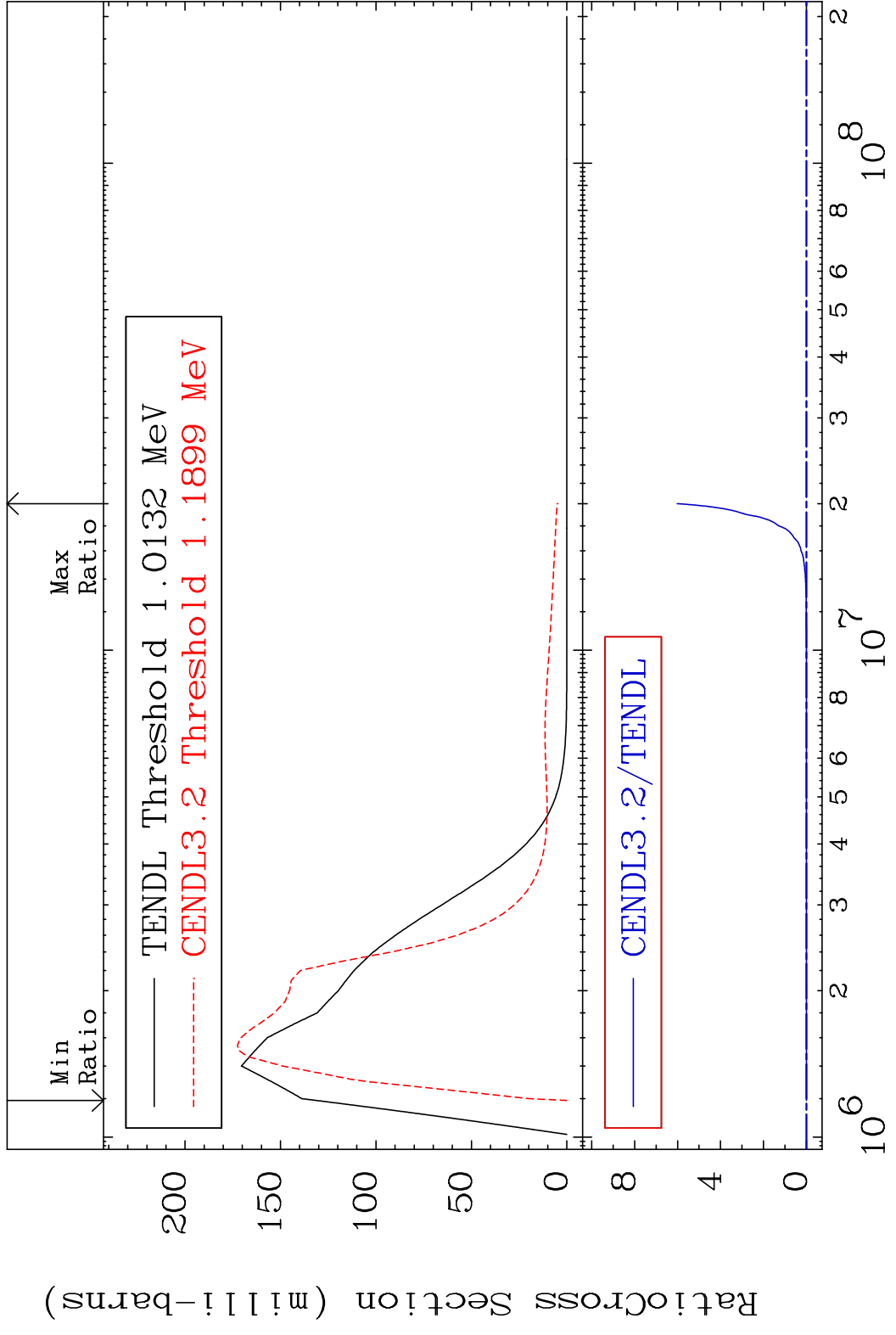
MAT 5040 MT= 54 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



MAT 5040 MT= 55 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %

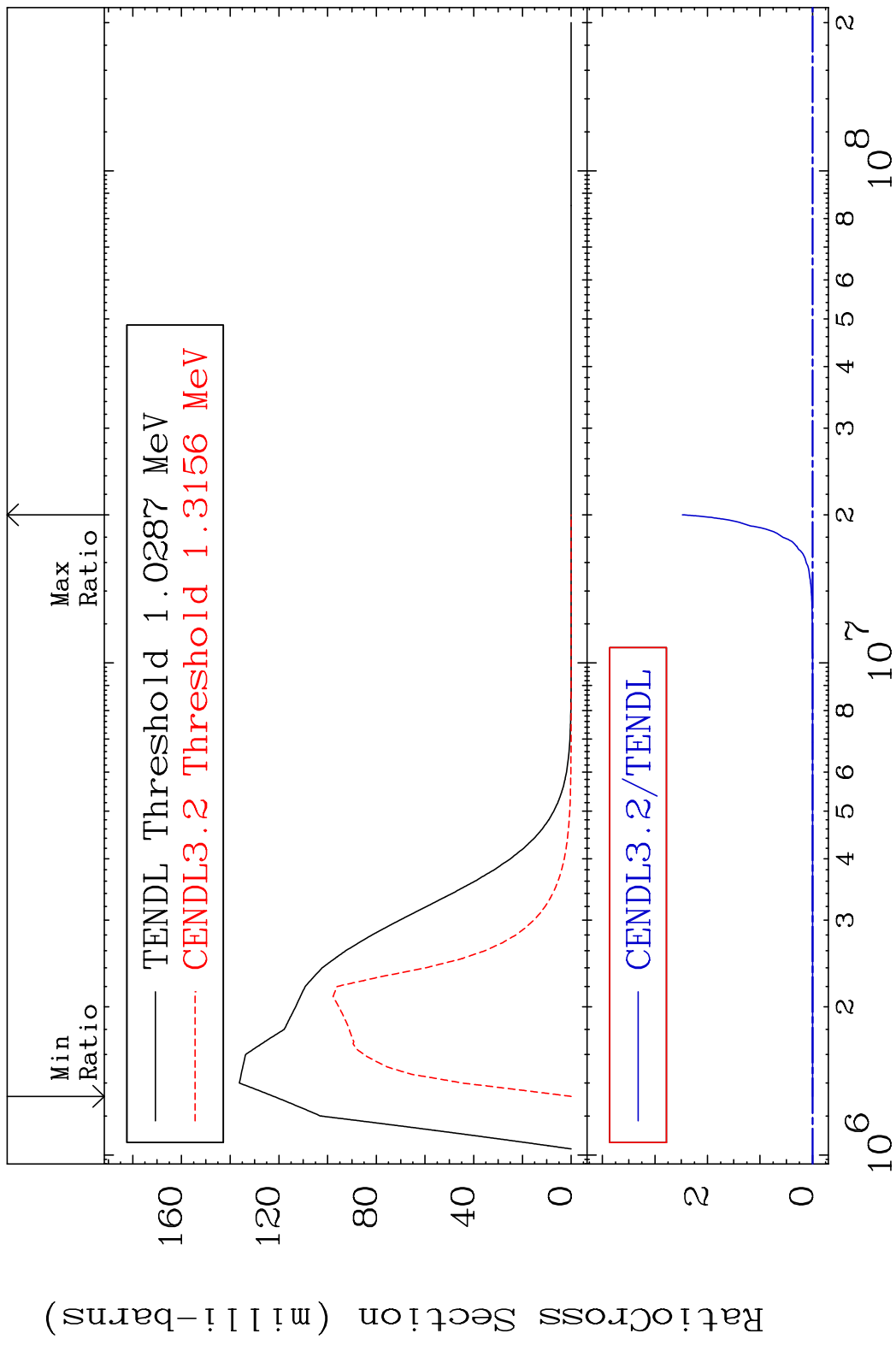


MAT 5040 MT= 56 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



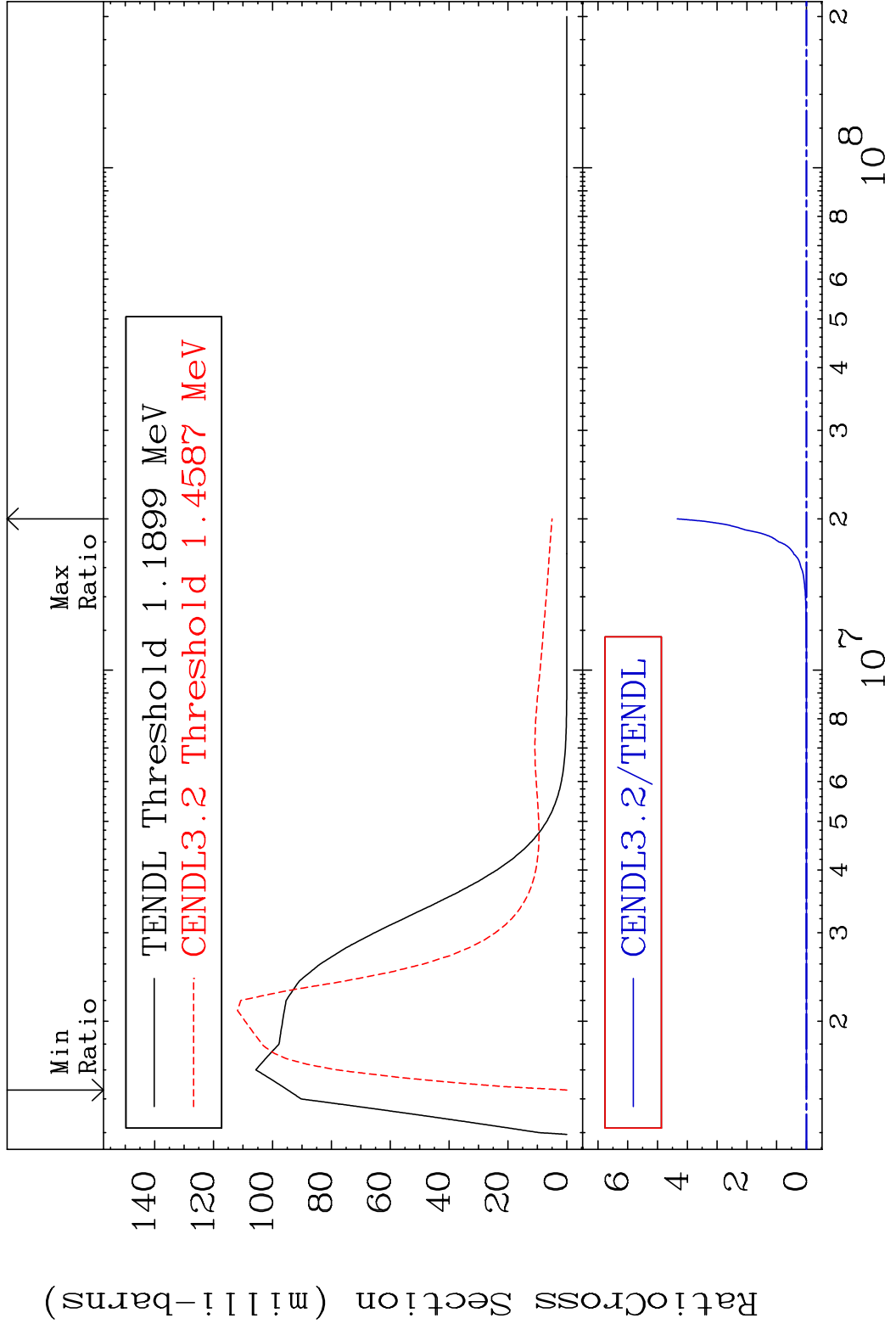
13 50-Sn-117

MAT 5040 MT= 57 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %

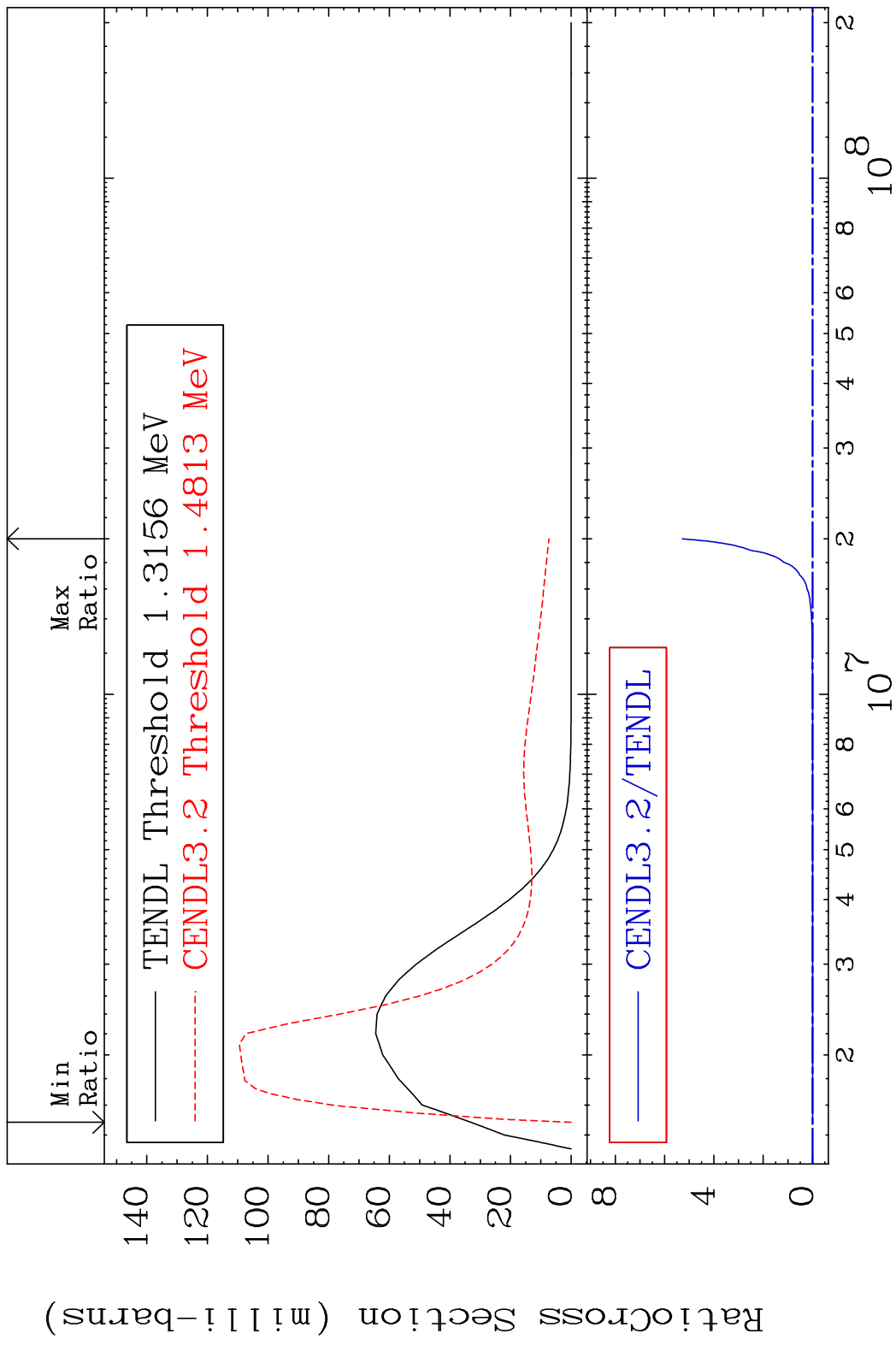


14 Incident Energy (eV) 50-Sn-117

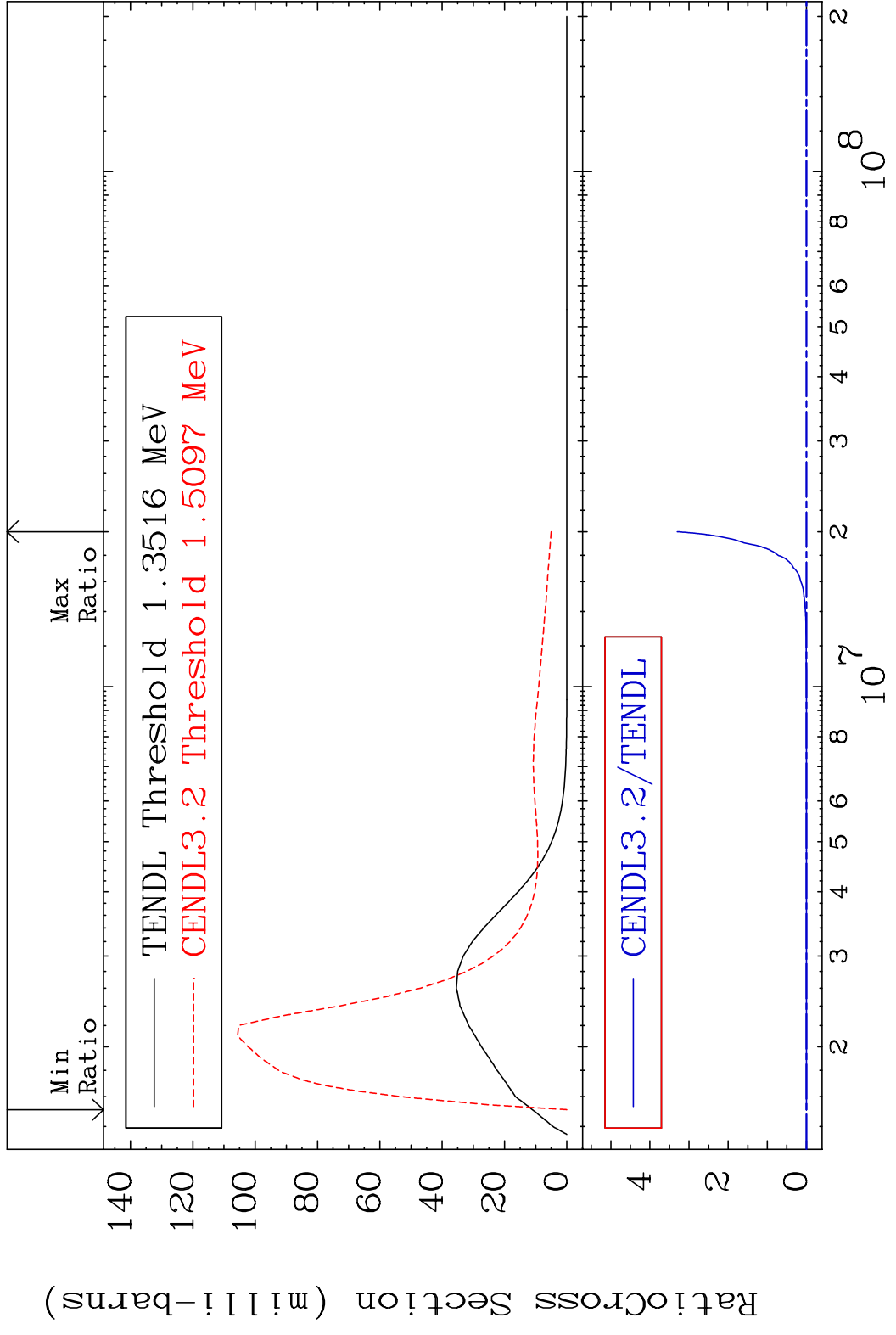
MAT 5040 MT= 58 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



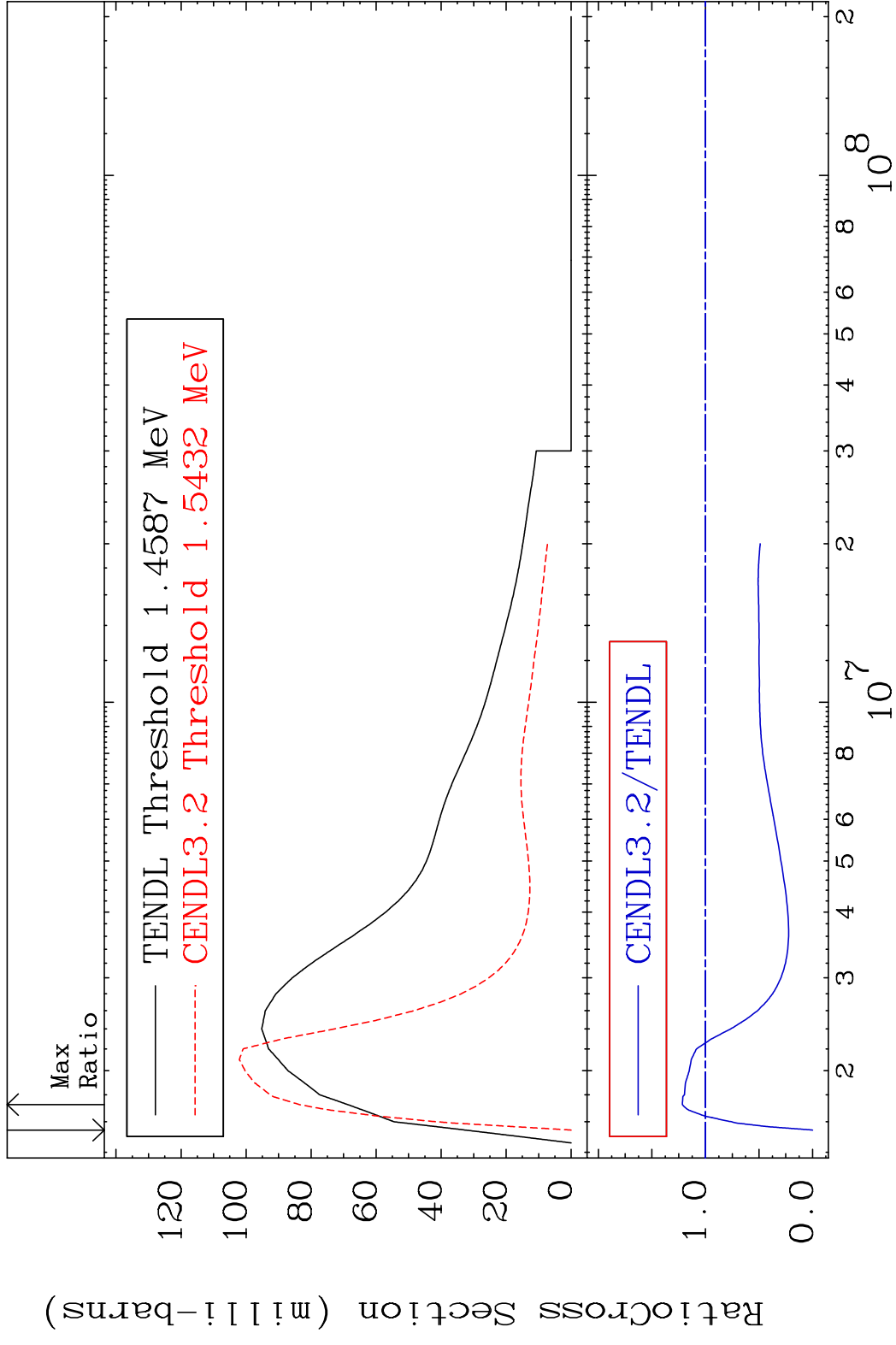
MAT 5040 MT= 59 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



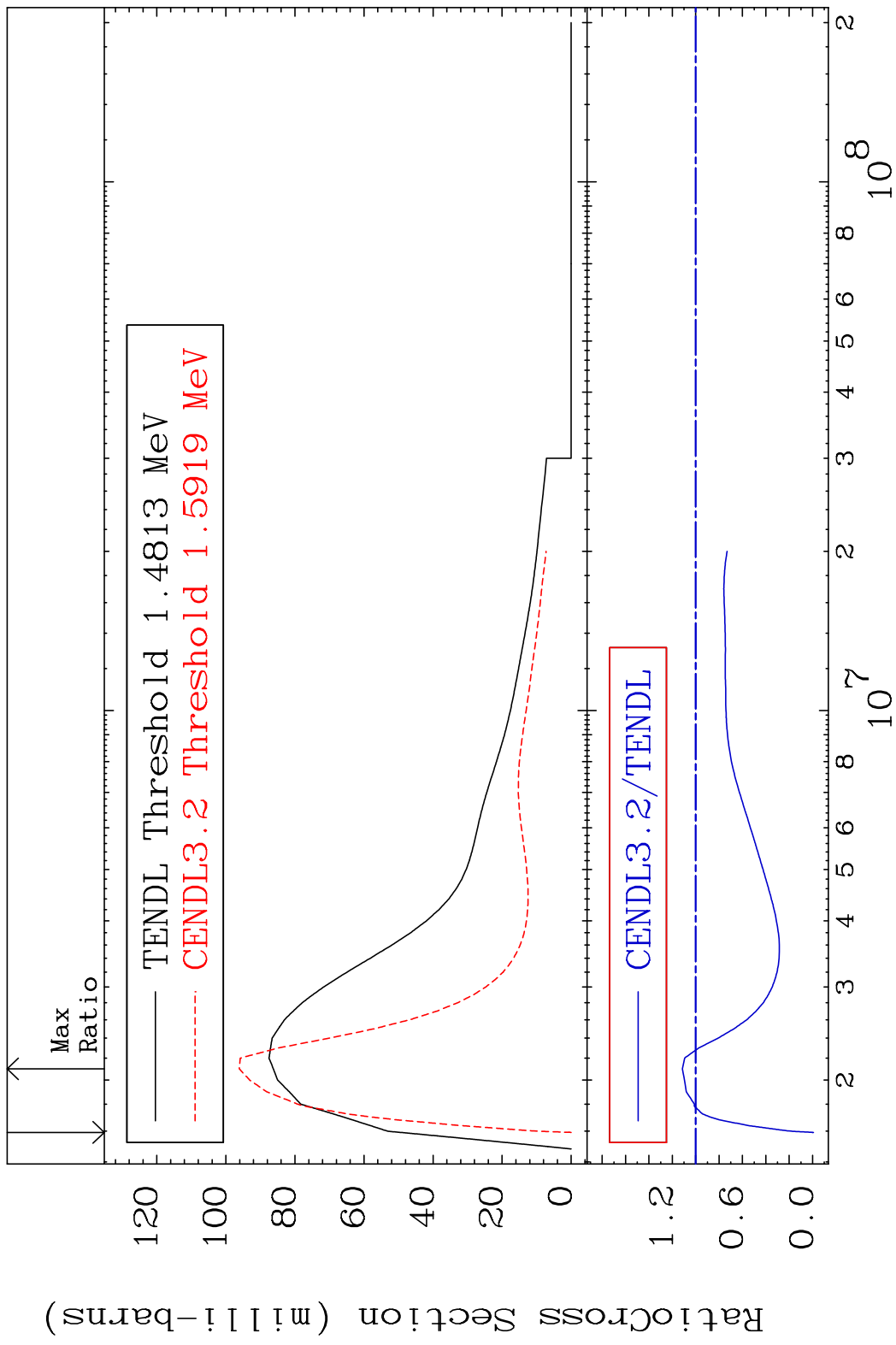
MAT 5040 MT= 60 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



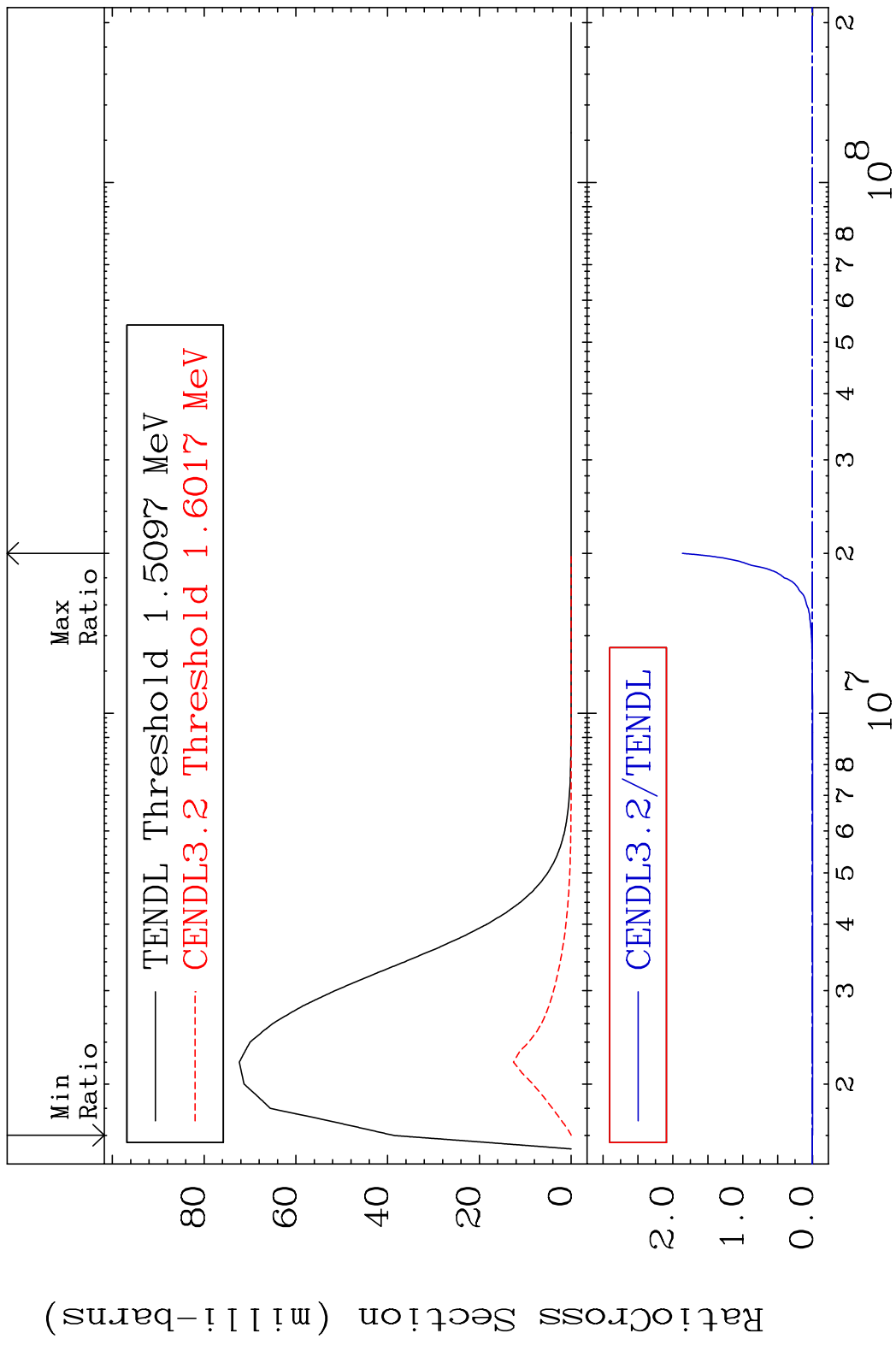
MAT 5040 MT= 61 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 21.59 %



MAT 5040 MT= 62 (n,n') Level 50-Sn-117
 Cross Section -100.0 To 11.41 %

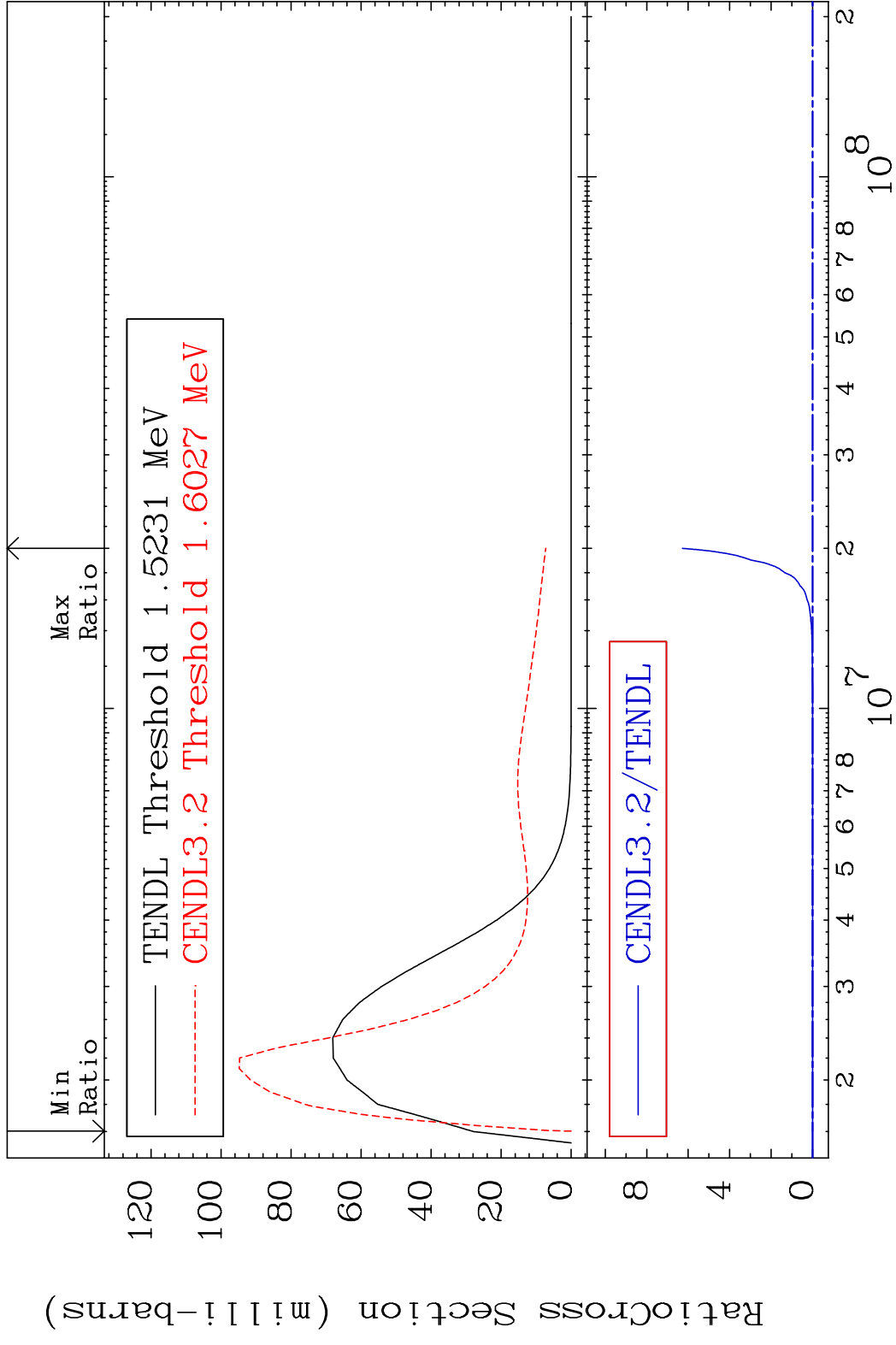


MAT 5040 MT= 63 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %

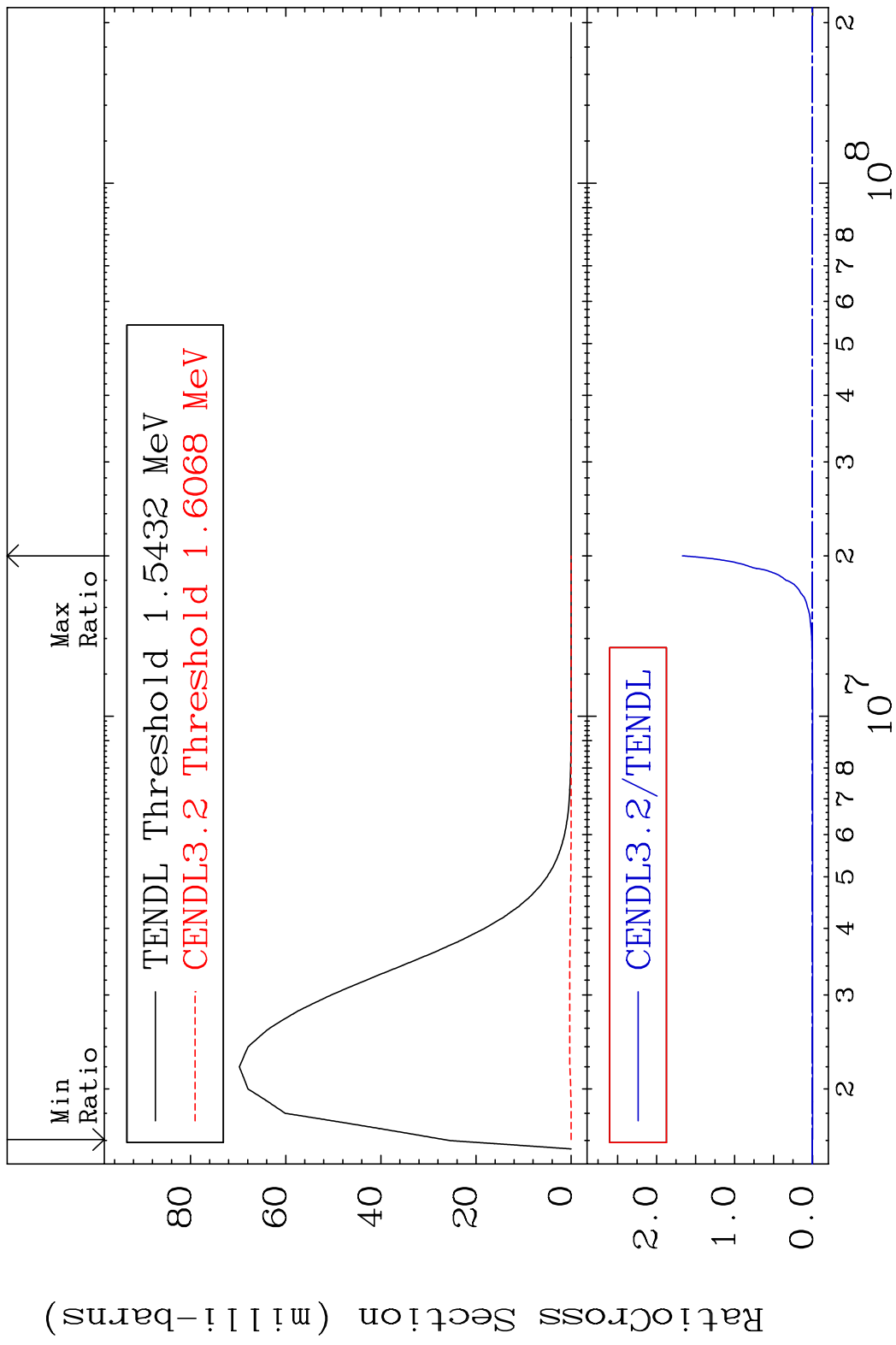


20 Incident Energy (eV) 50-Sn-117

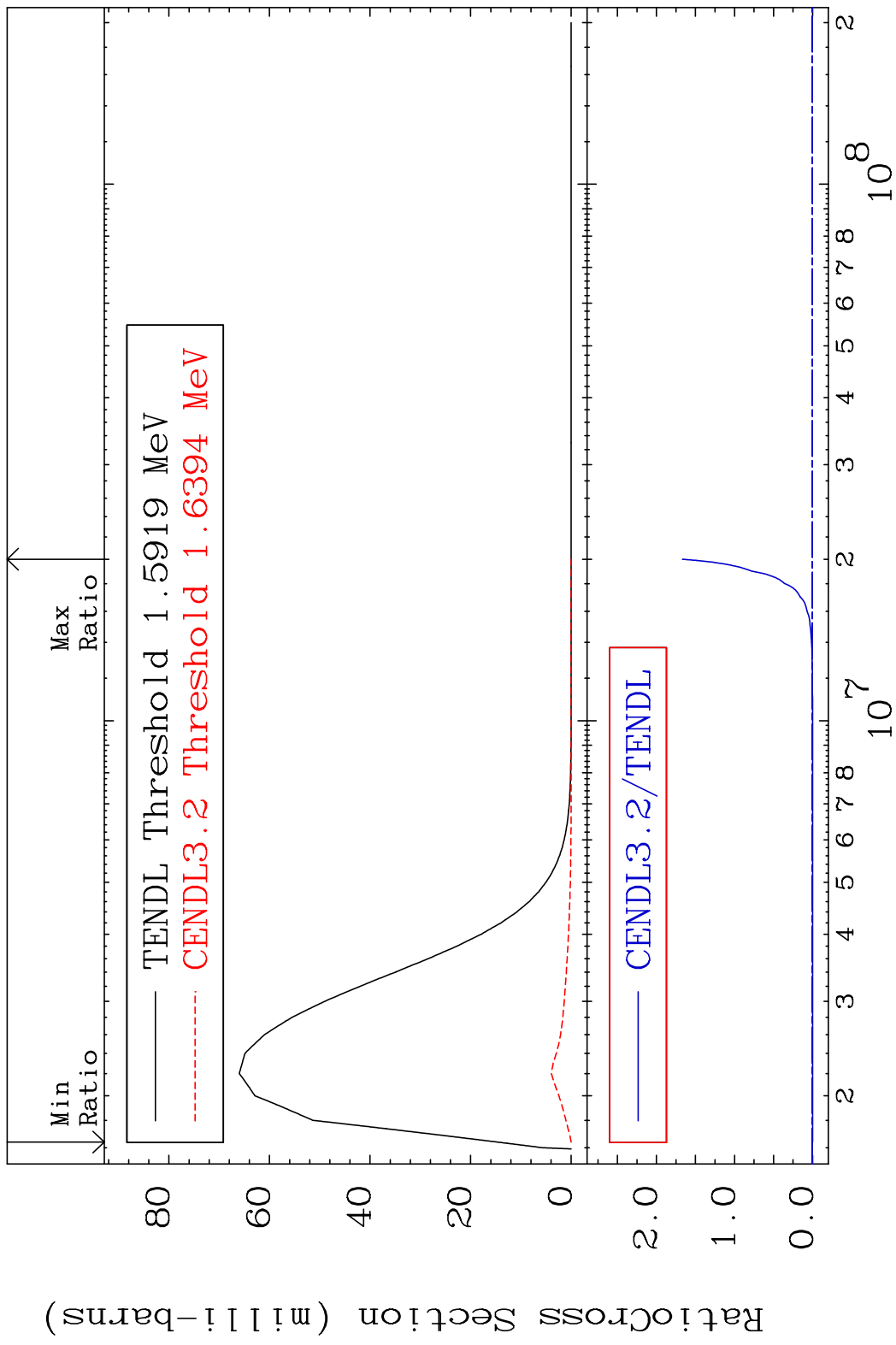
MAT 5040 MT= 64 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



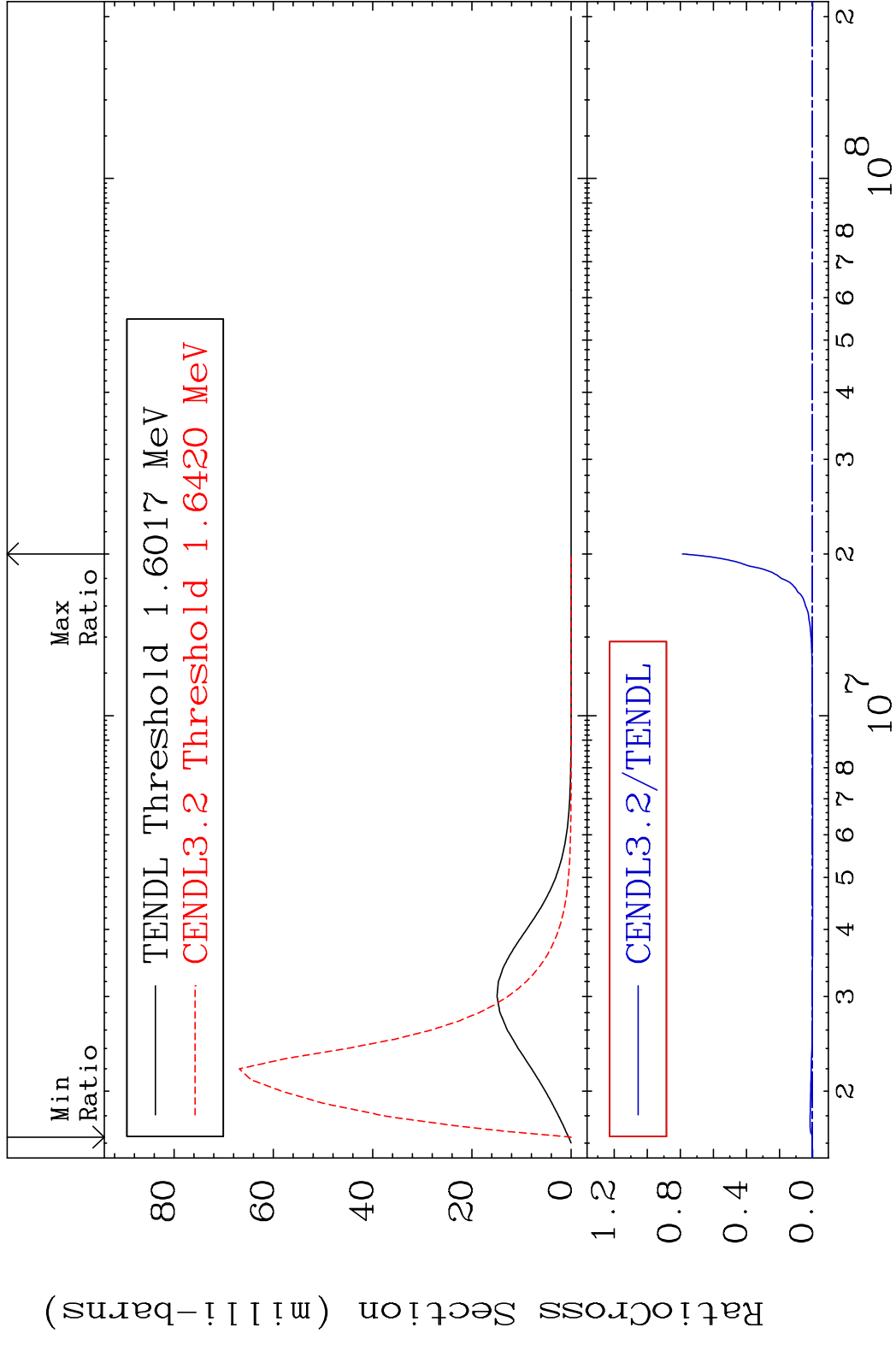
MAT 5040 MT= 65 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



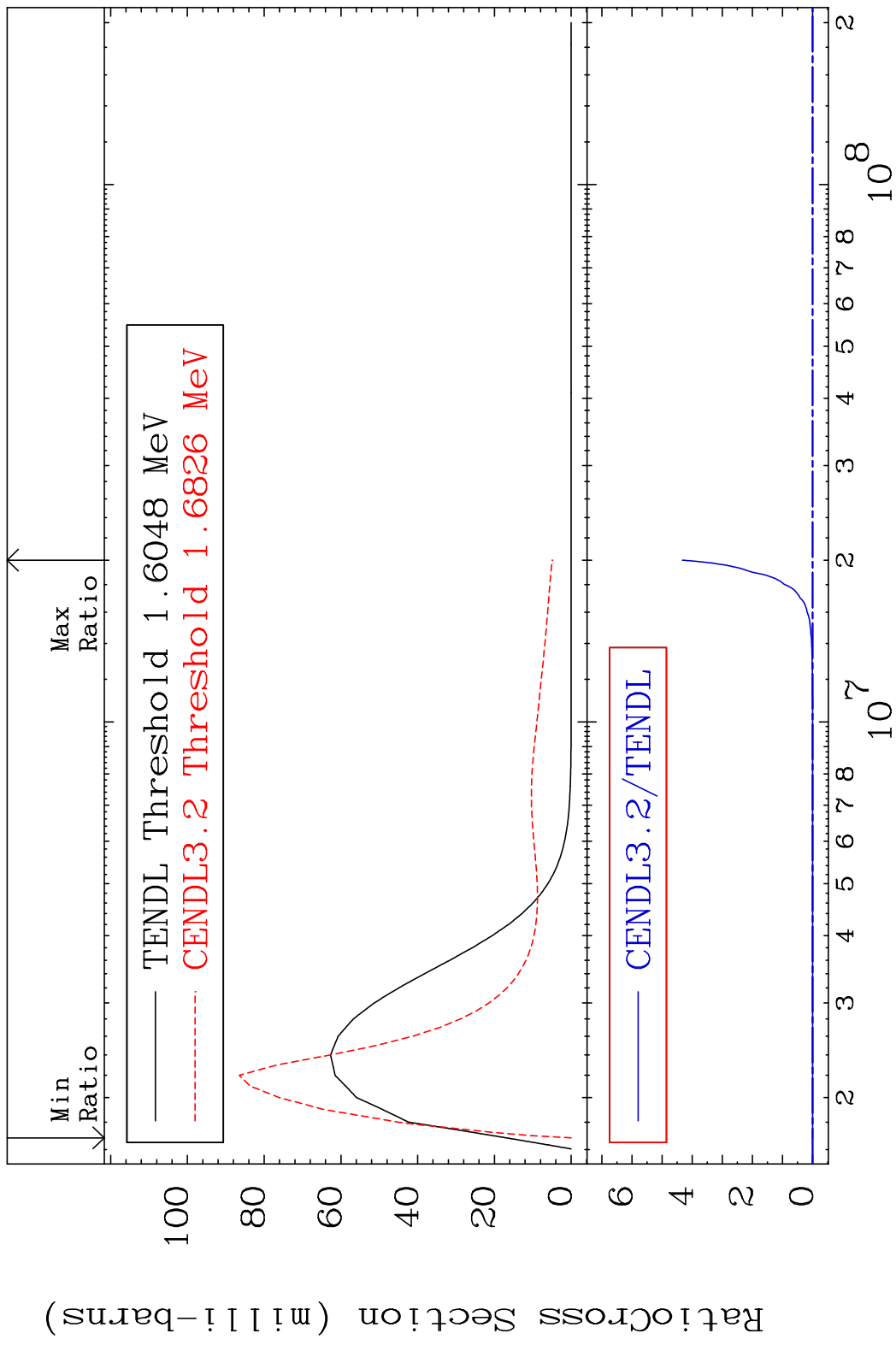
MAT 5040 MT= 66 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



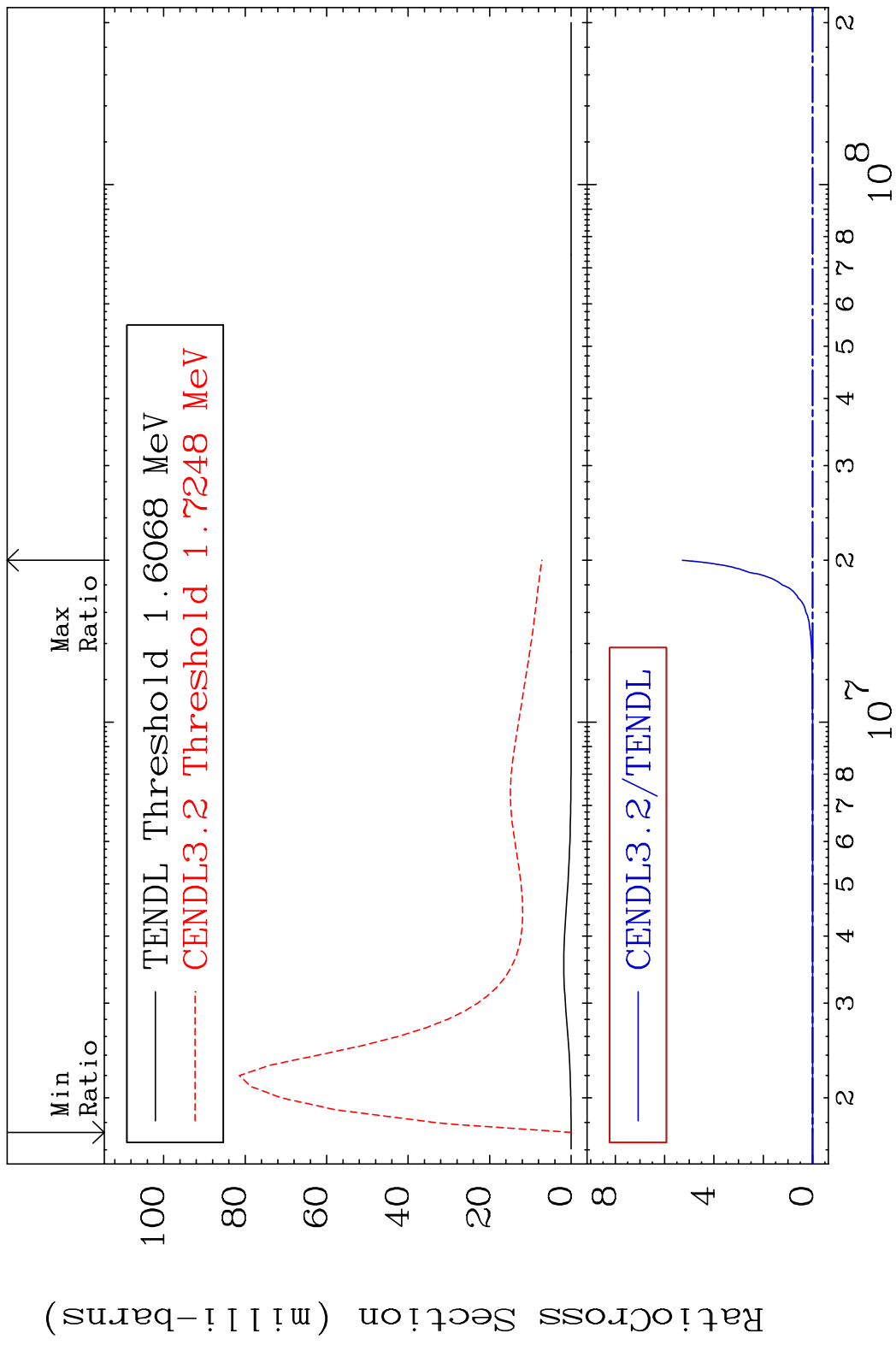
MAT 5040 MT= 67 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



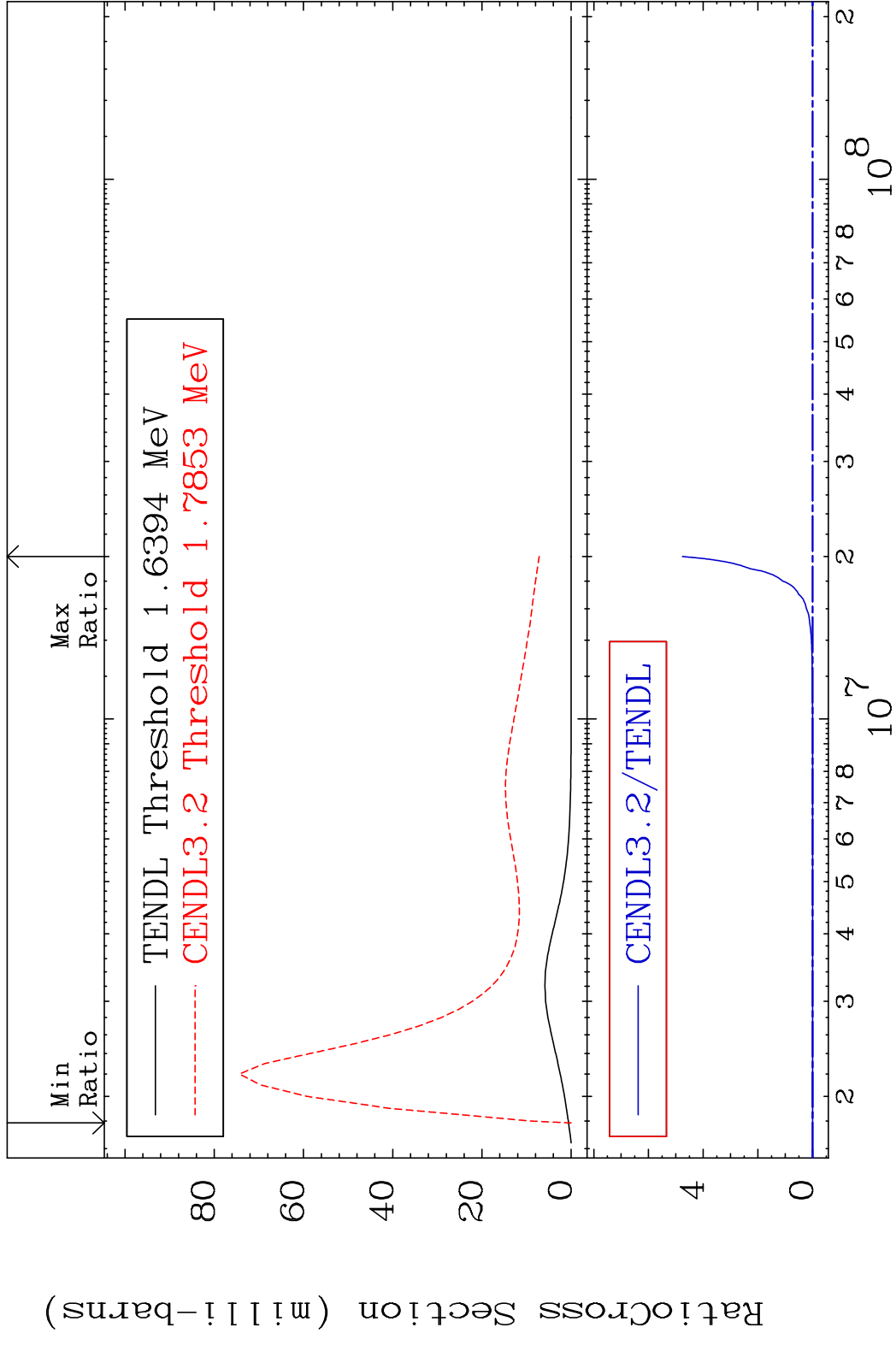
MAT 5040 MT= 68 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



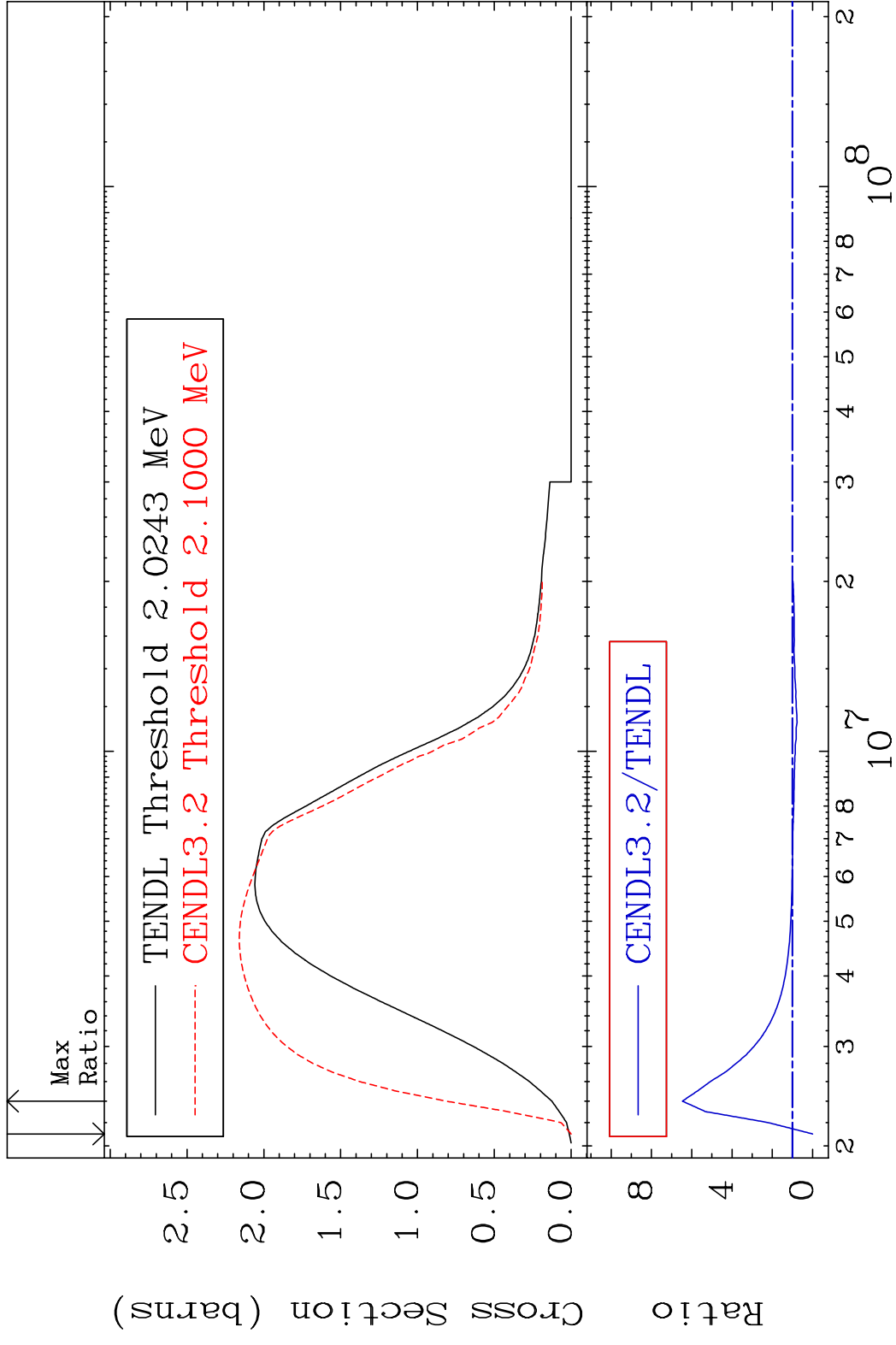
MAT 5040 MT= 69 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



MAT 5040 MT= 70 (n, n') Level 50-Sn-117
 Cross Section -100.0 To 9999. %



MAT 5040 (n,n') Continuum 50-Sn-117
 Cross Section -100.0 To 546.4 %

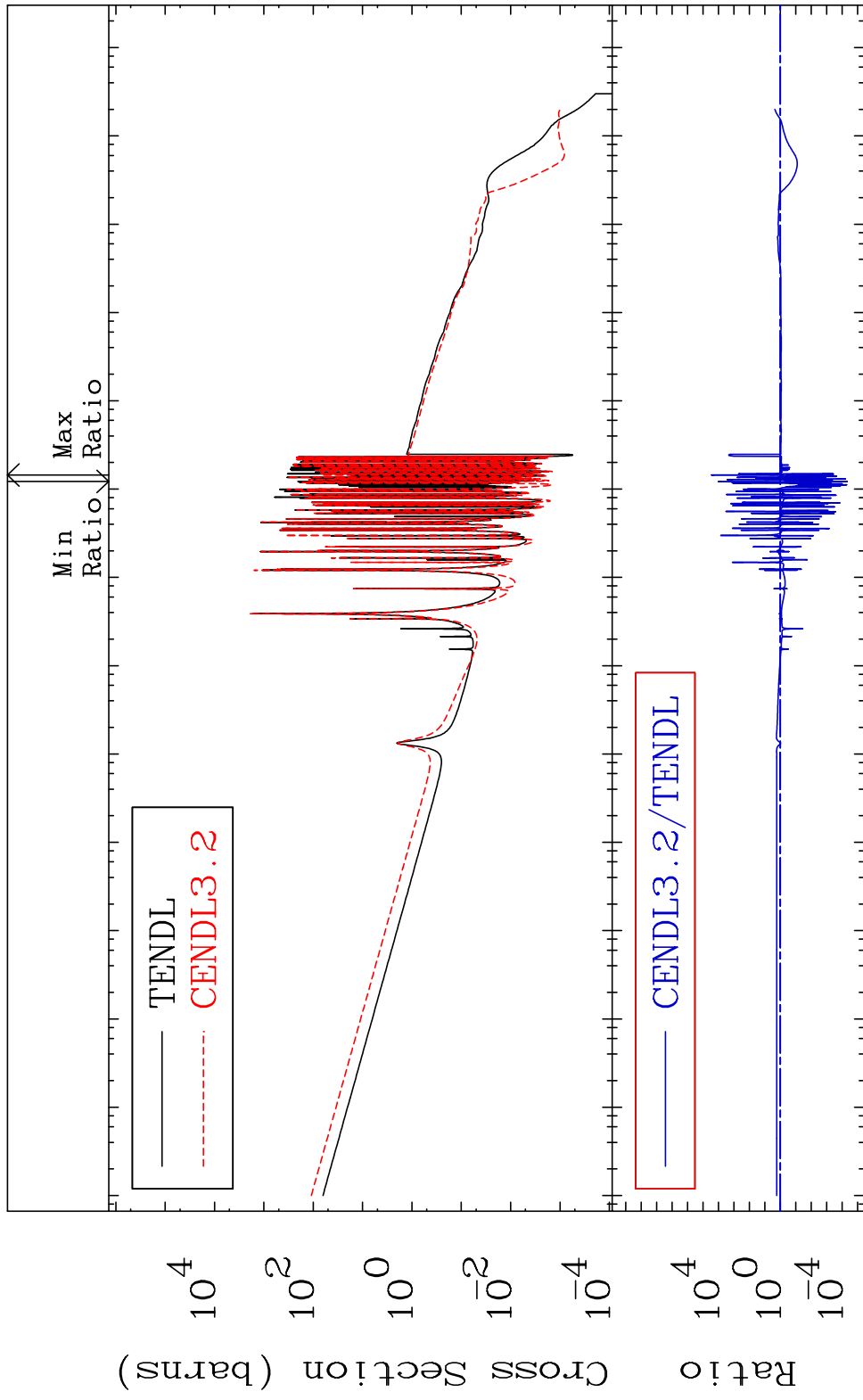


MAT 5040

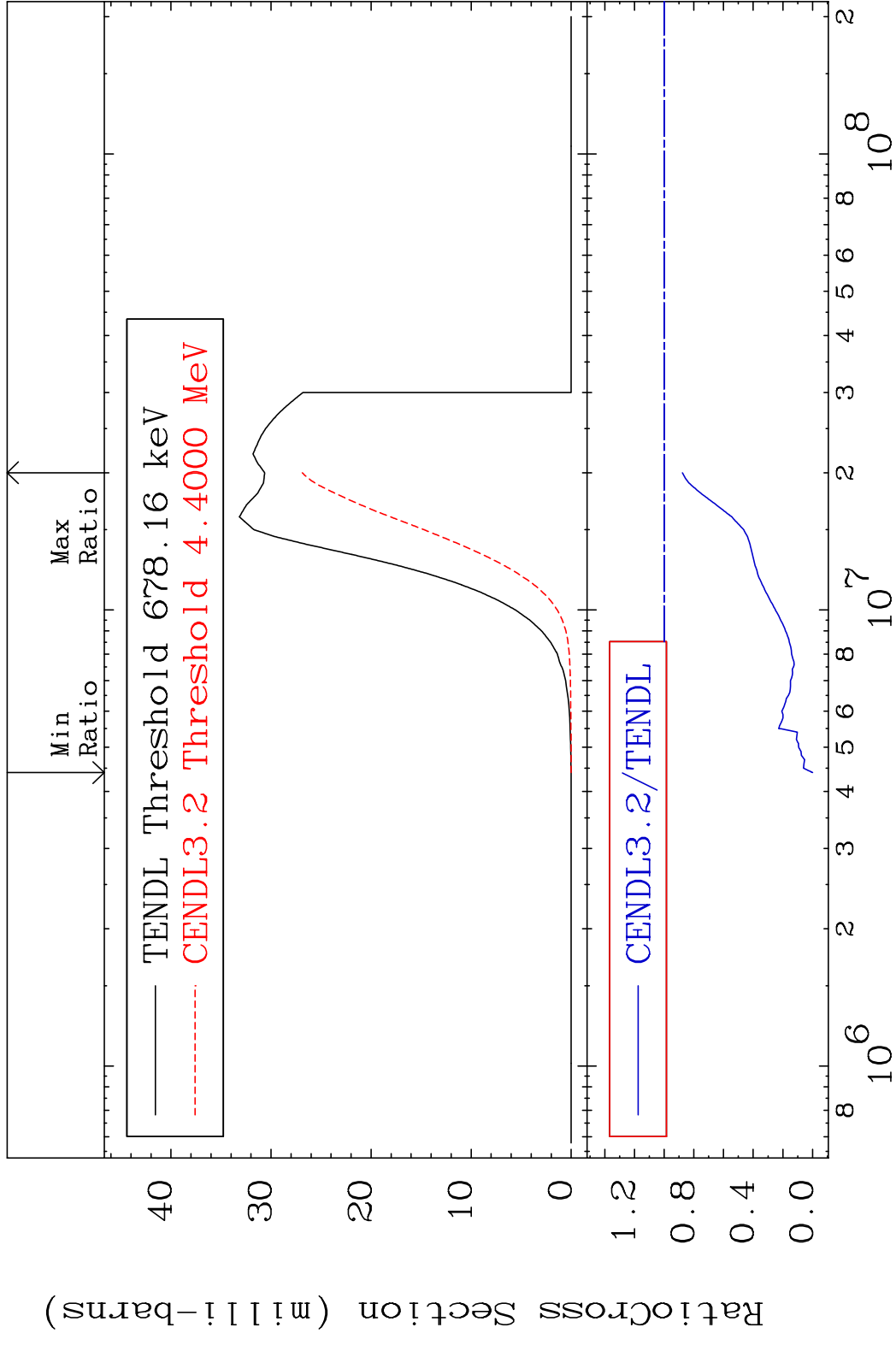
(n, γ)

50-Sn-117

Cross Section -100.0 To 9999. %

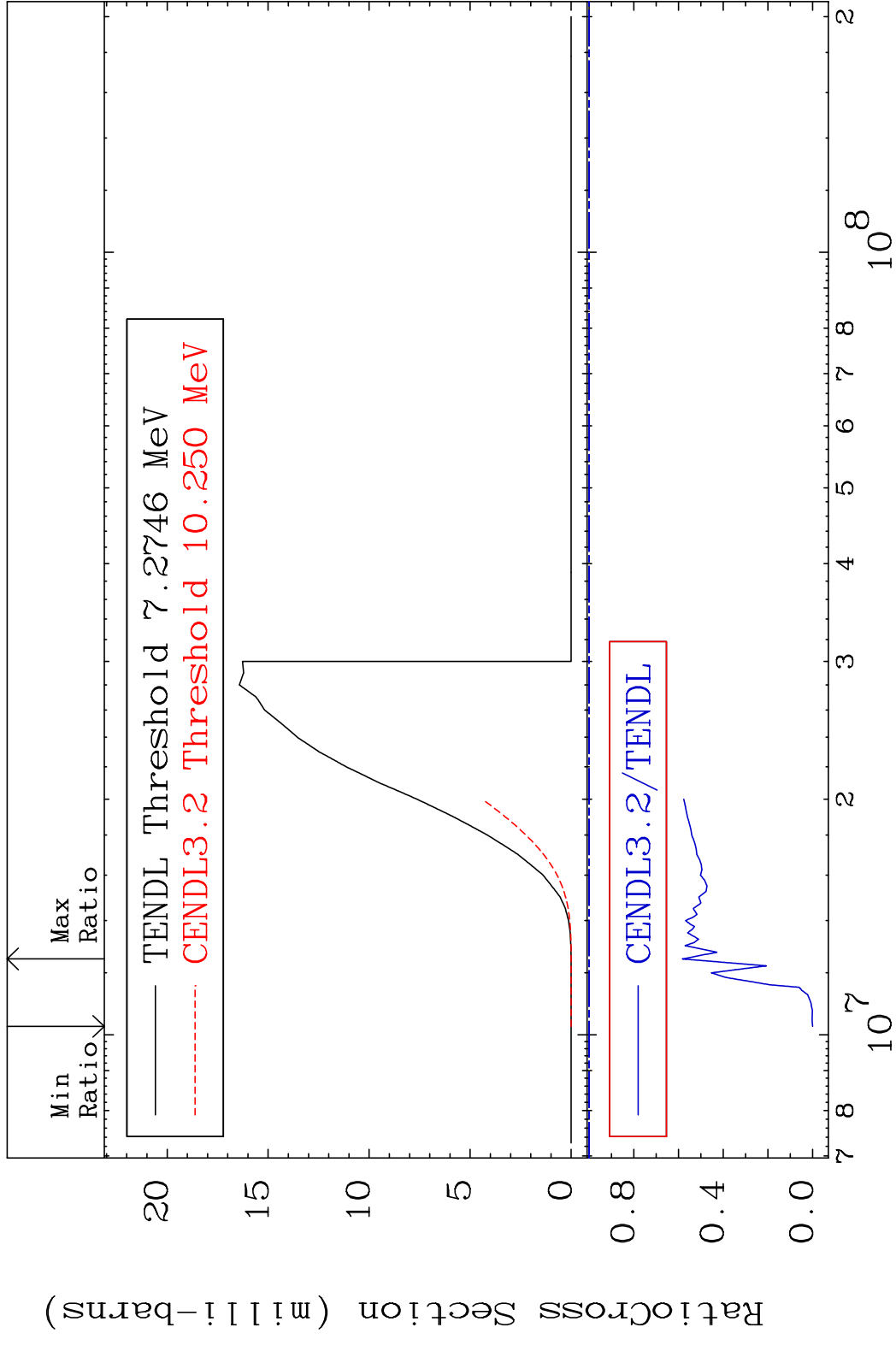


MAT 5040 (n,p) 50-Sn-117
Cross Section -100.0 To -12.26%

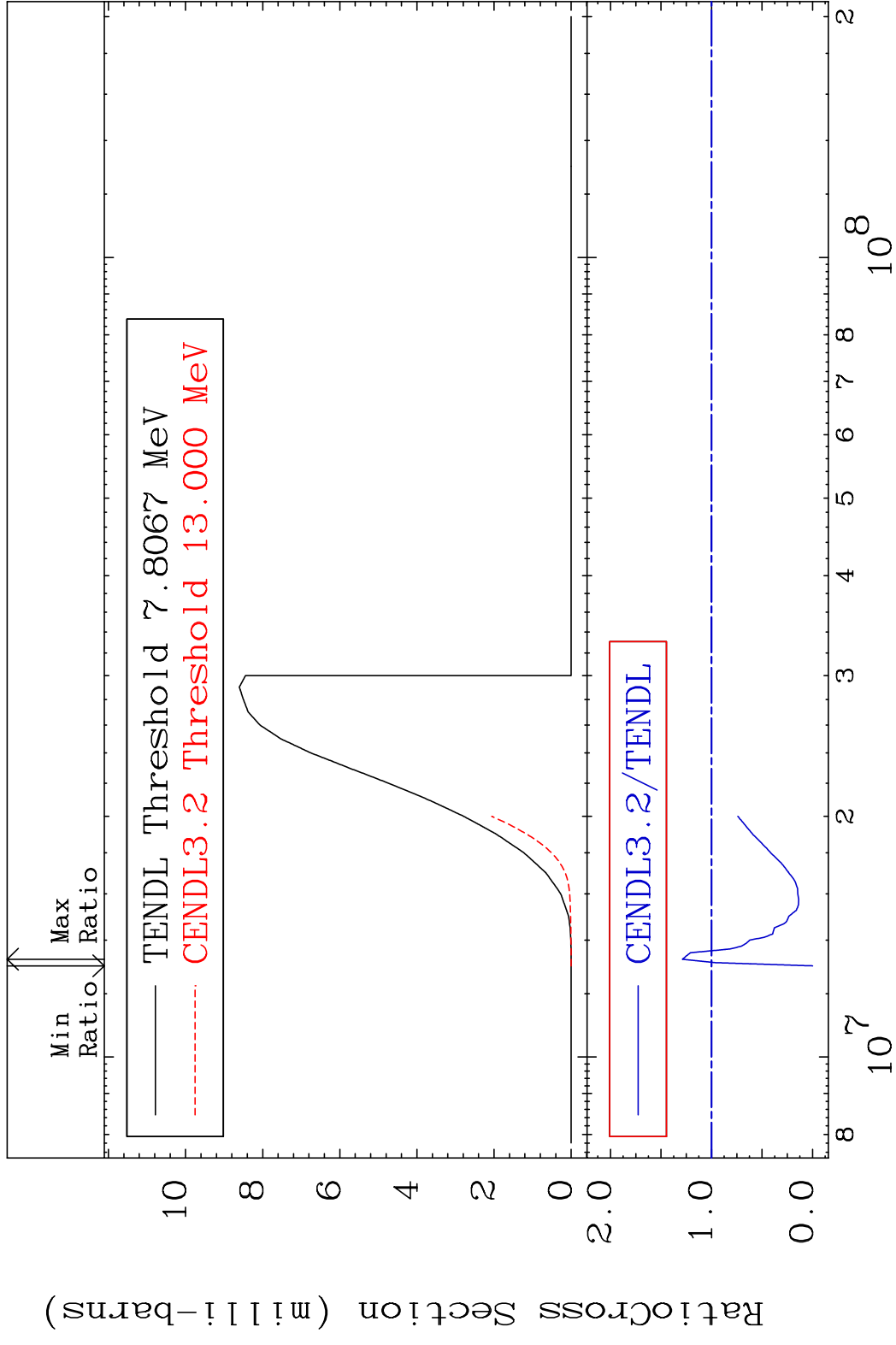


30 Incident Energy (eV) 50-Sn-117

MAT 5040 (n,d) 50-Sn-117
 Cross Section -100.0 To -41.75%



MAT 5040 (n, t) 50-Sn-117
 Cross Section -100.0 To 28.88 %



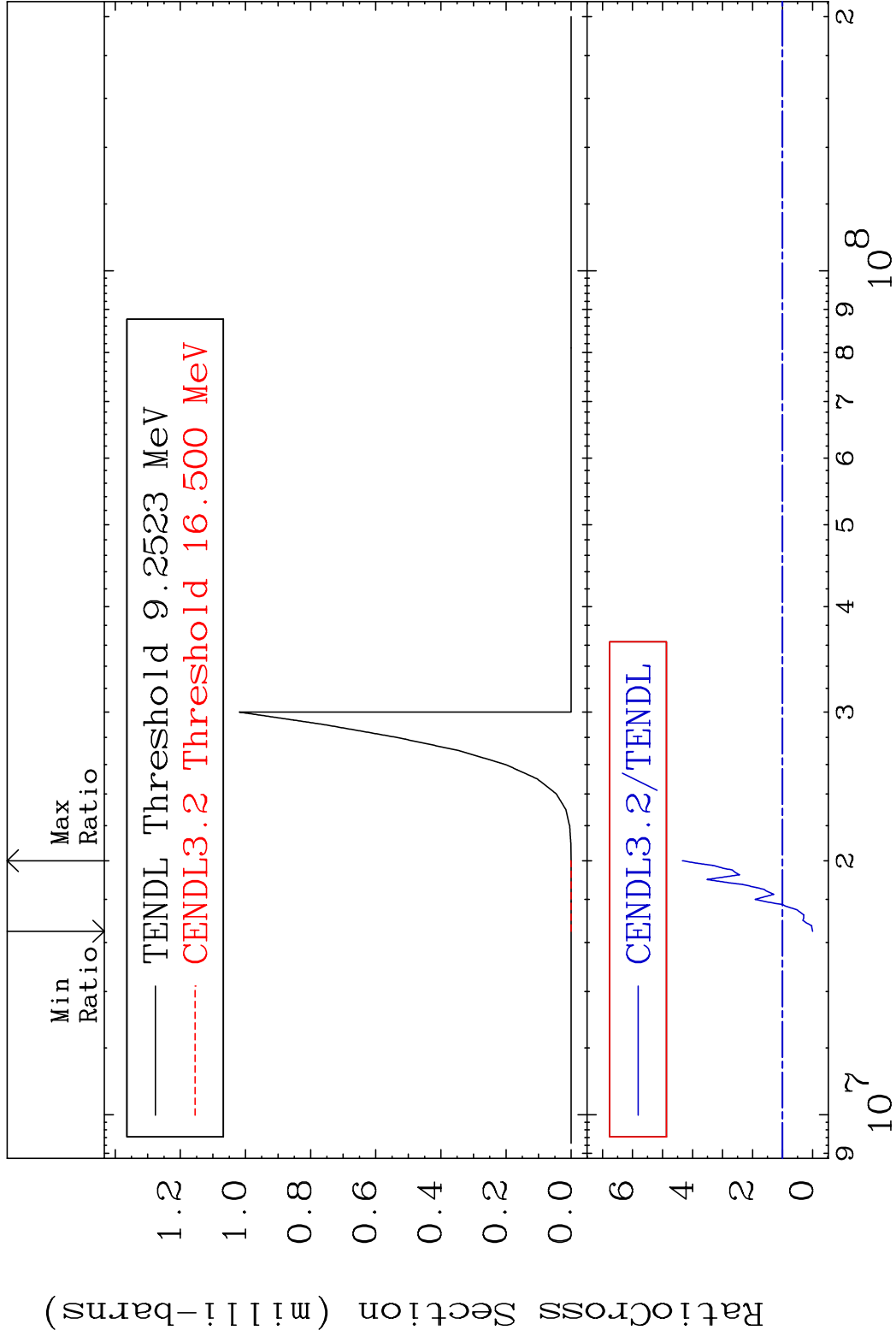
32 Incident Energy (eV) 50-Sn-117

MAT 5040

(n, He-3)

50-Sn-117

Cross Section -100.0 To 334.0 %



33

Incident Energy (eV)

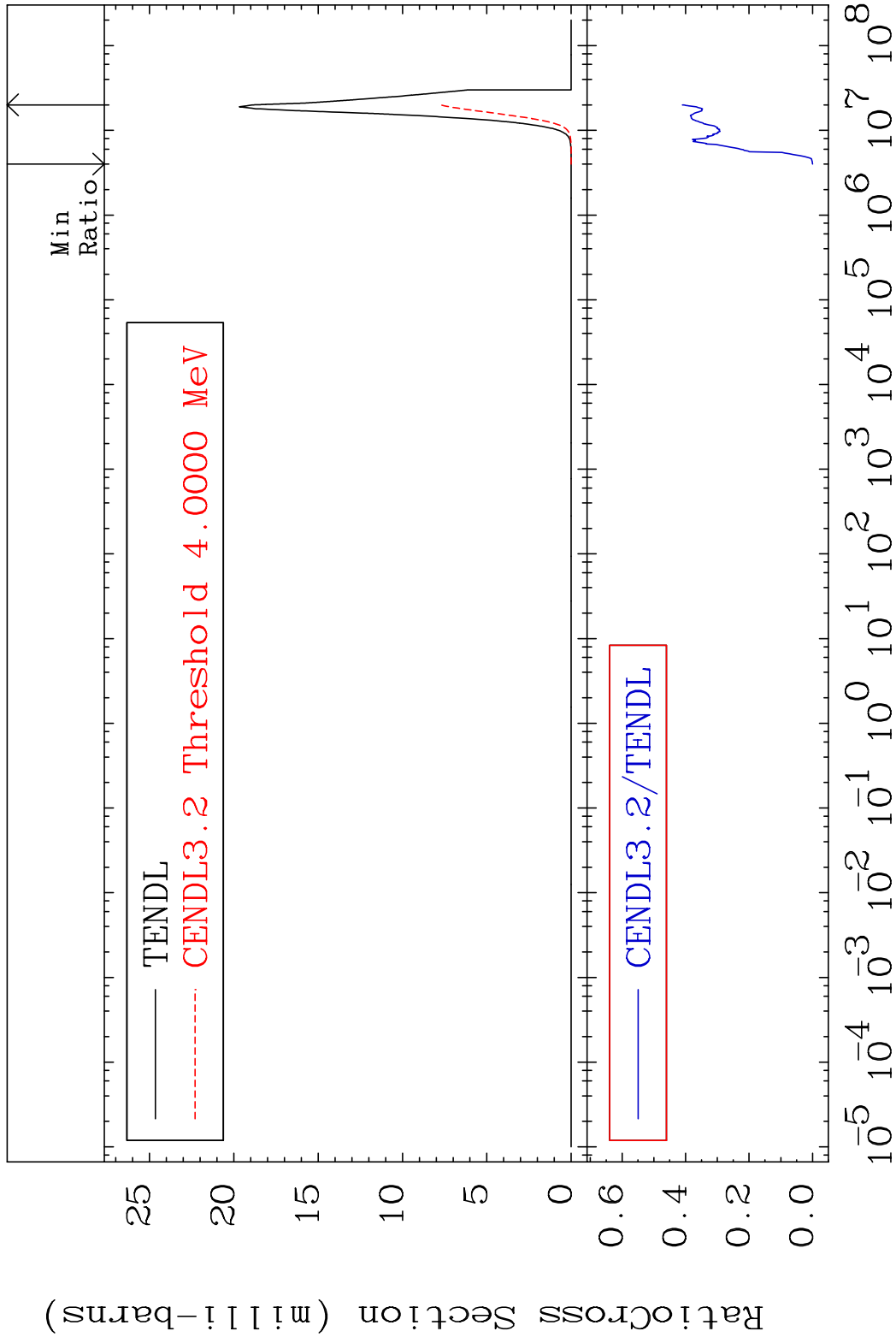
50-Sn-117

MAT 5040

(n, α)

50-Sn-117

Cross Section -100.0 To -58.98%

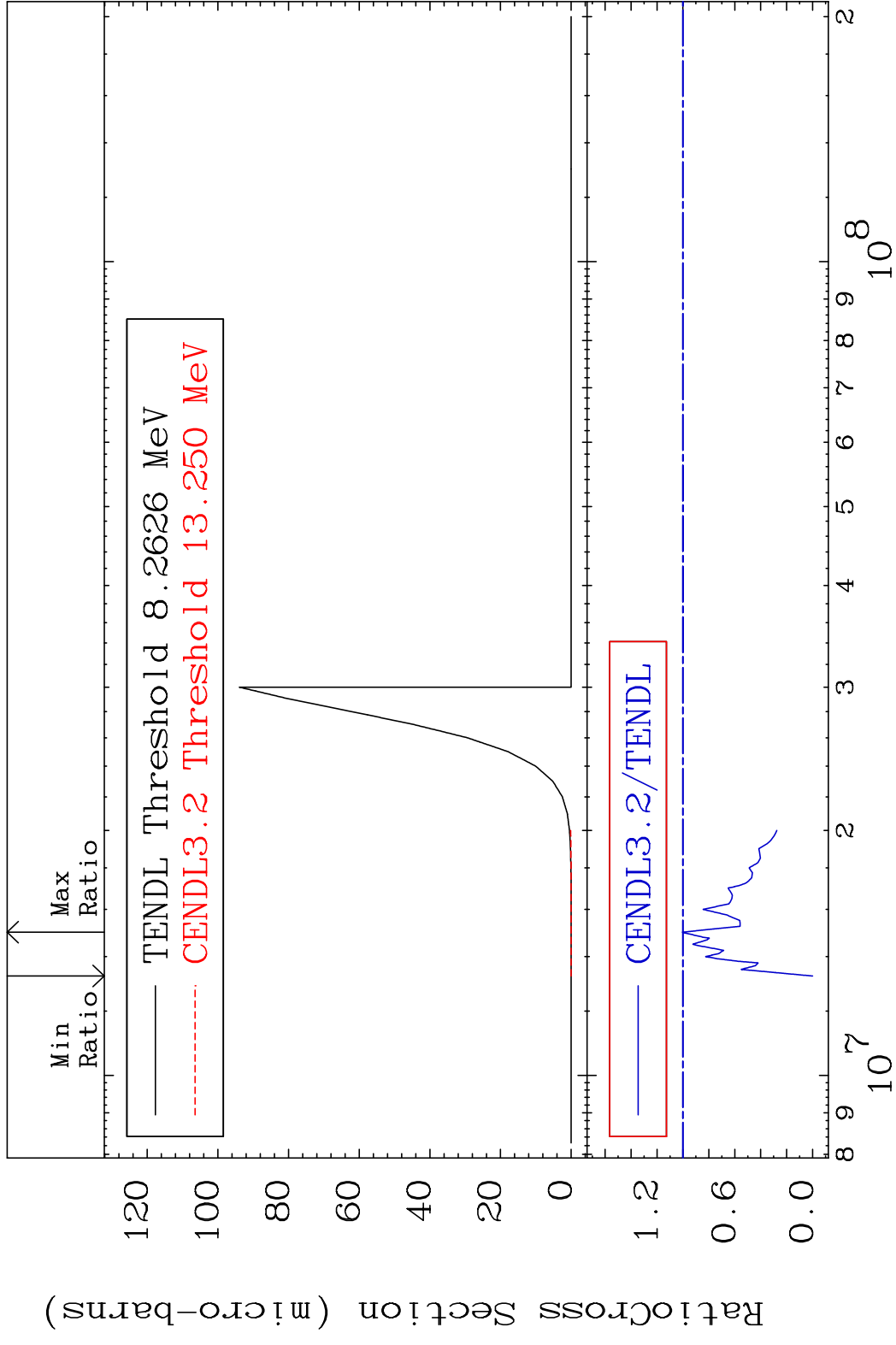


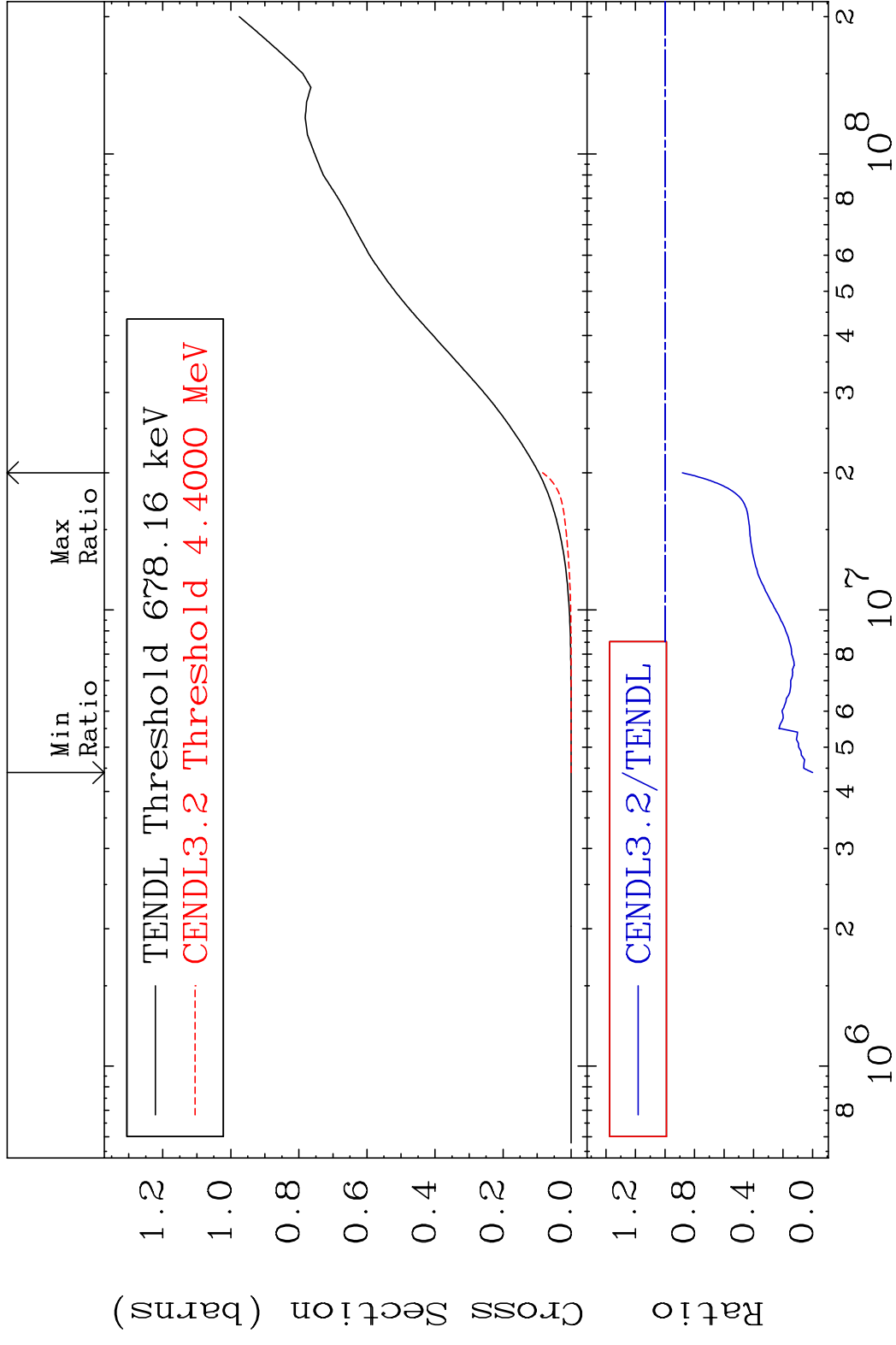
34

Incident Energy (eV)

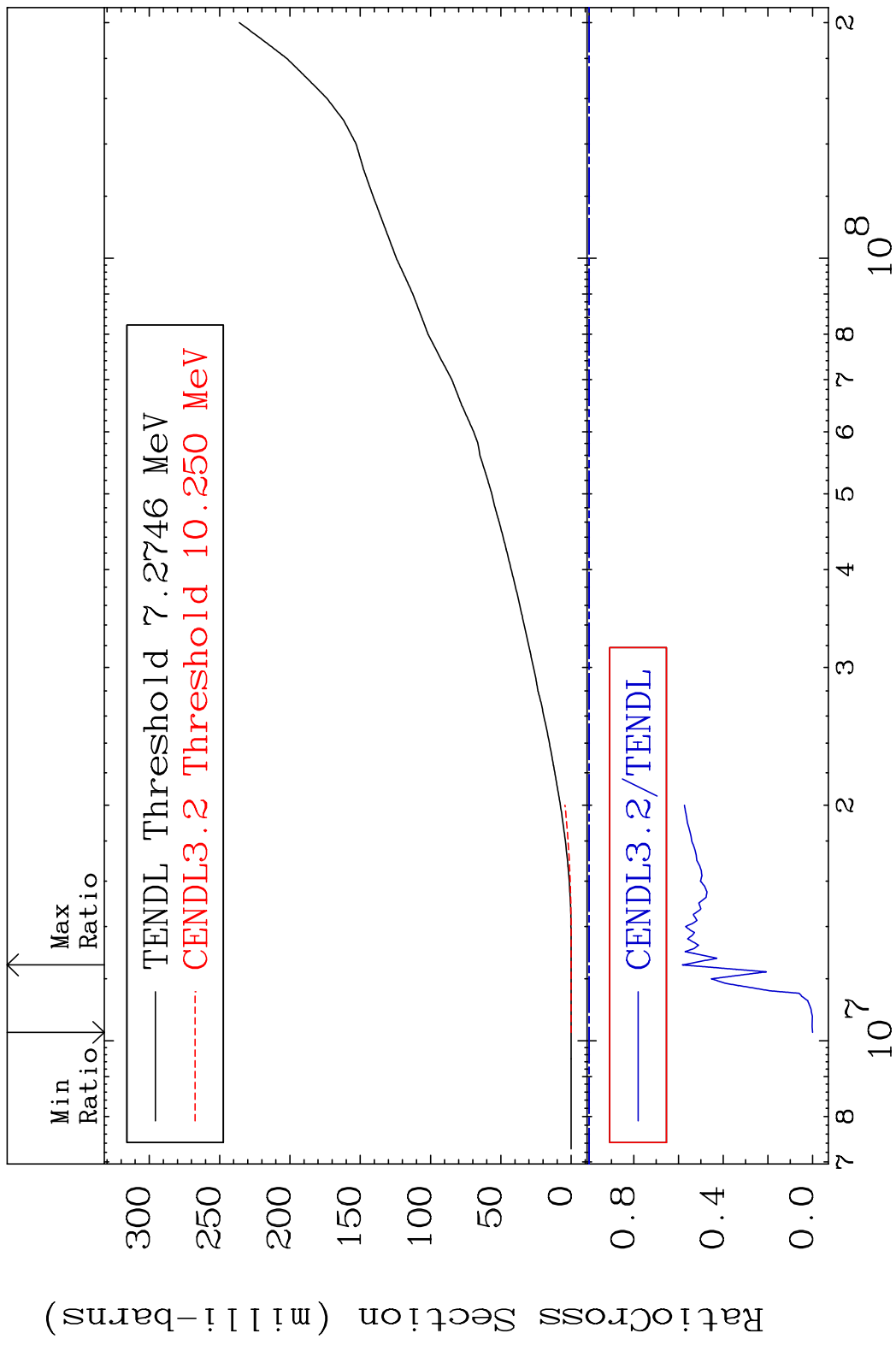
50-Sn-117

MAT 5040 (n,2p) 50-Sn-117
 Cross Section -100.0 To 0.449 %

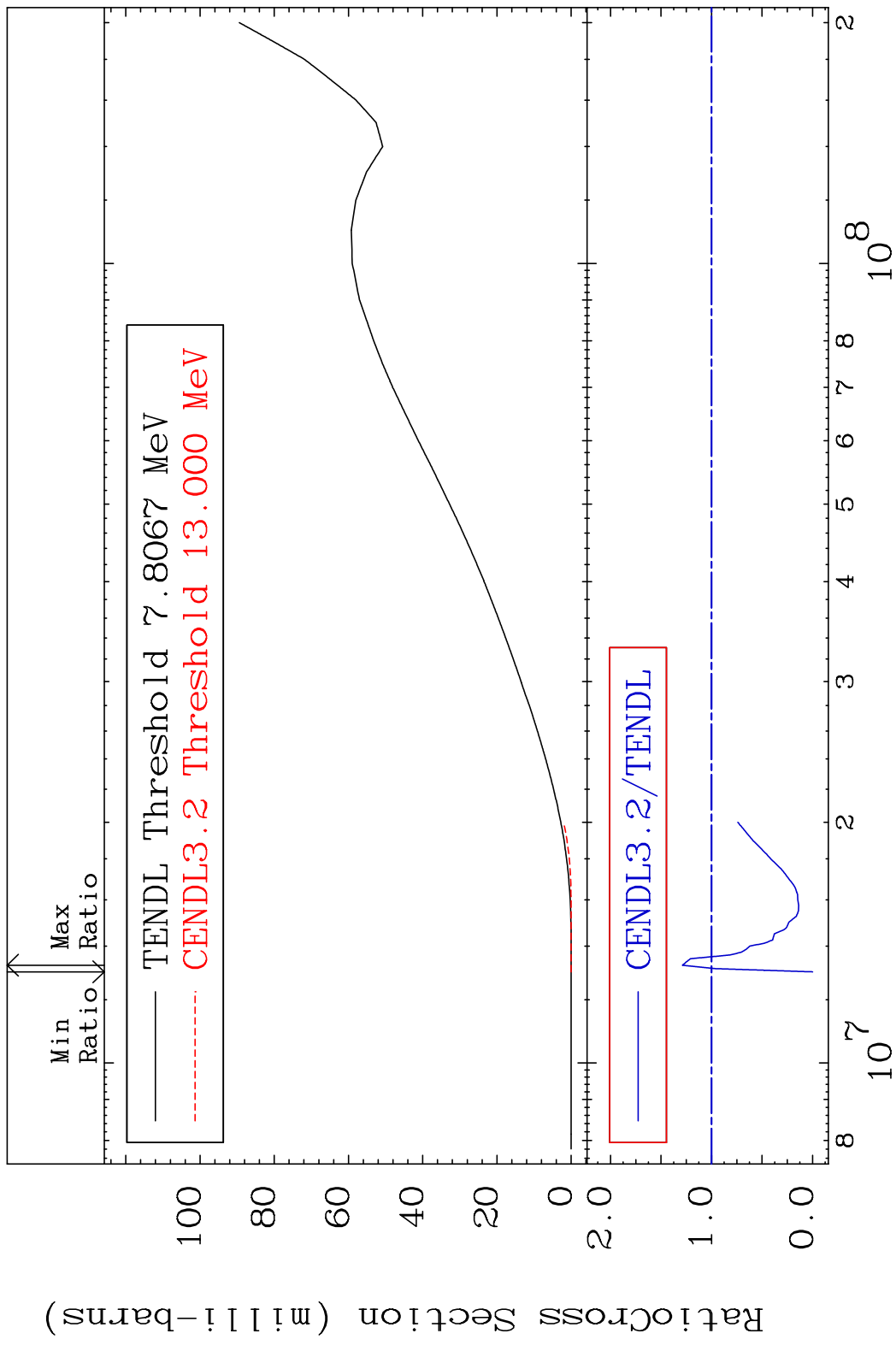




MAT 5040 Deuterium Production 50-Sn-117
 Cross Section -100.0 To -41.75%



MAT 5040 Tritium Production 50-Sn-117
 Cross Section -100.0 To 28.88 %

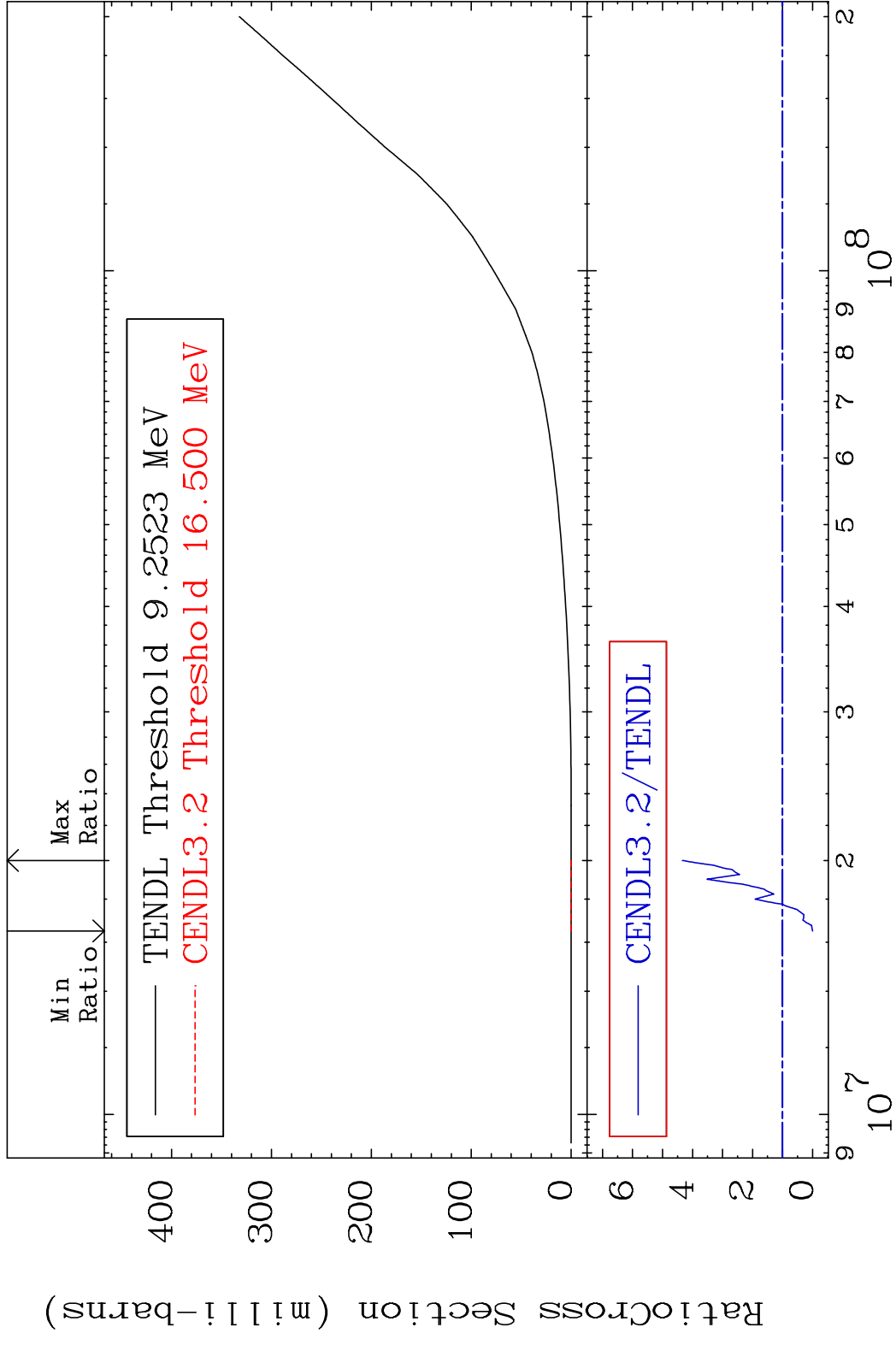


MAT 5040

He-3 Production

50-Sn-117

Cross Section -100.0 To 334.0 %



39

Incident Energy (eV)

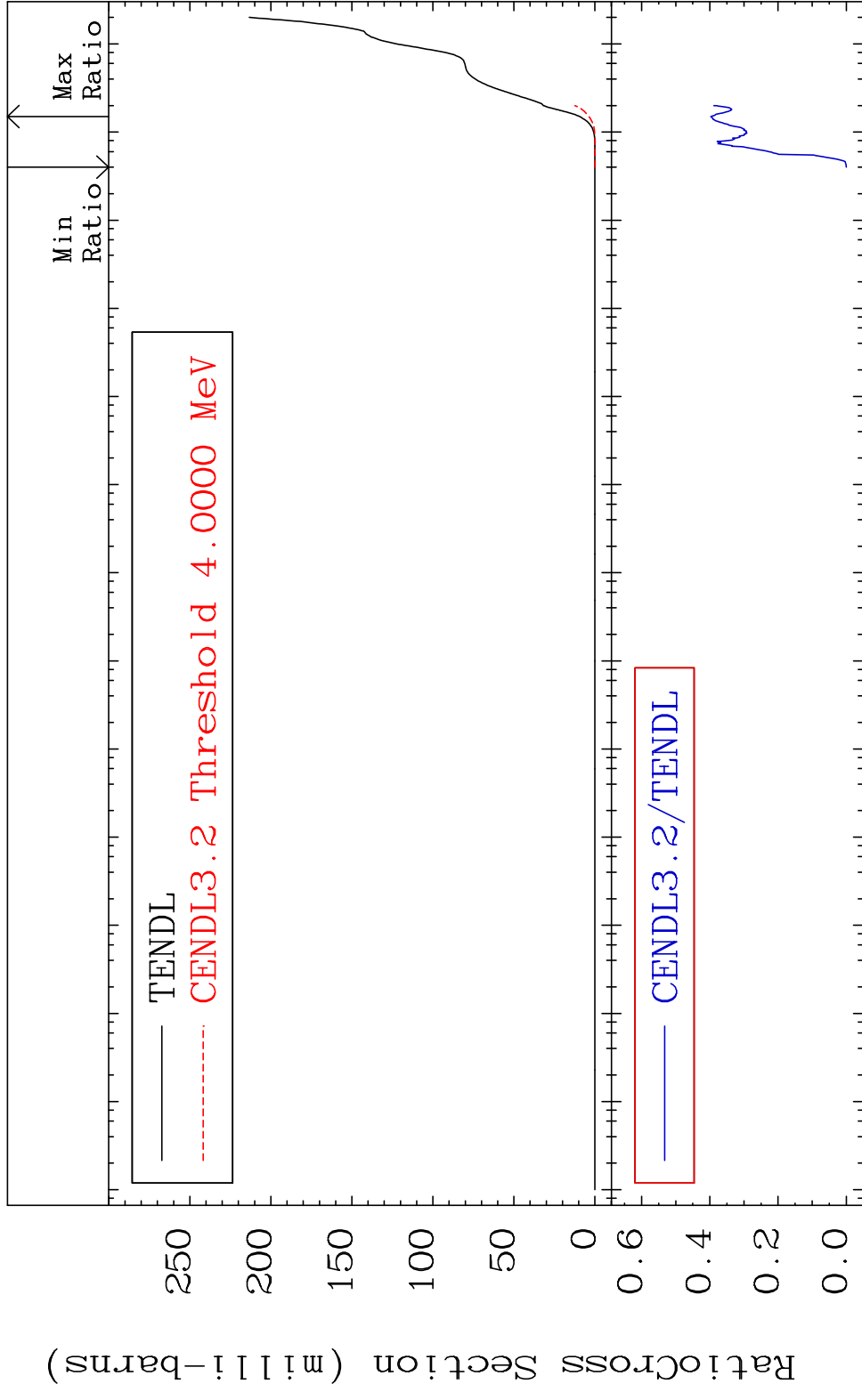
50-Sn-117

MAT 5040

He-4 Production

50-Sn-117

Cross Section -100.0 To -60.25%

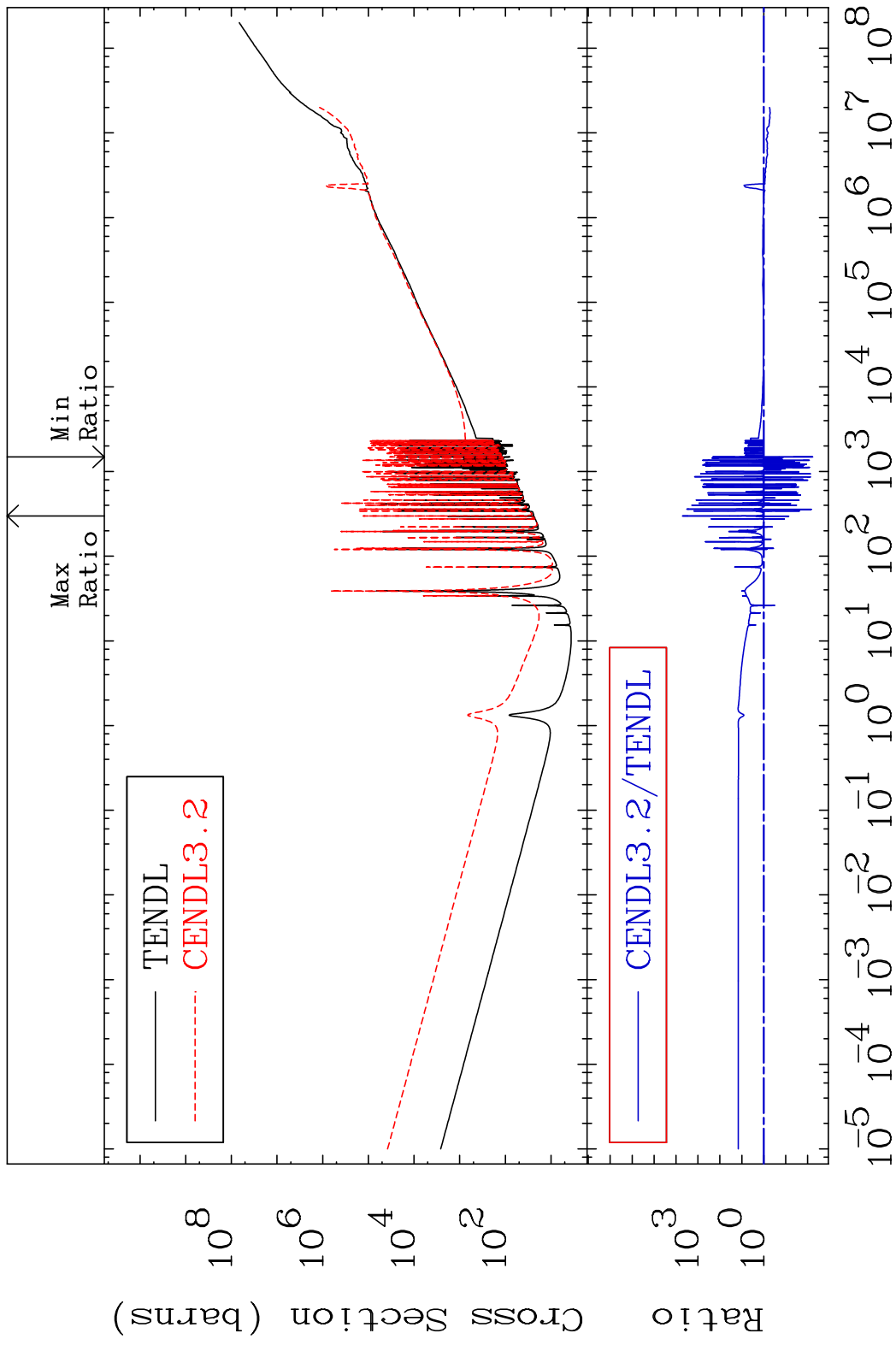


40

Incident Energy (eV)

50-Sn-117

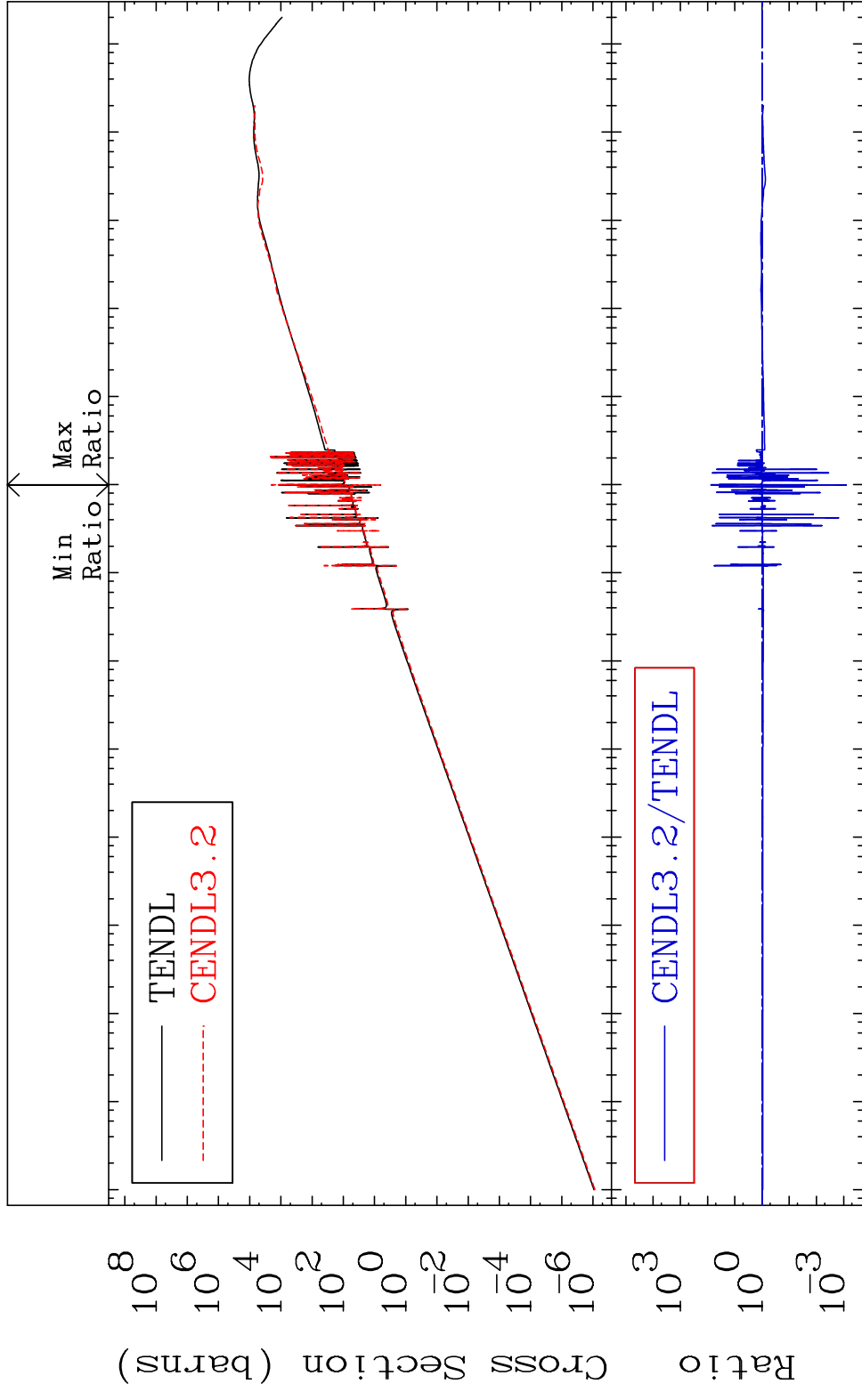
MAT 5040 Kerma total (eV-barns) 50-Sn-117
 Cross Section -99.40 To 9999. %



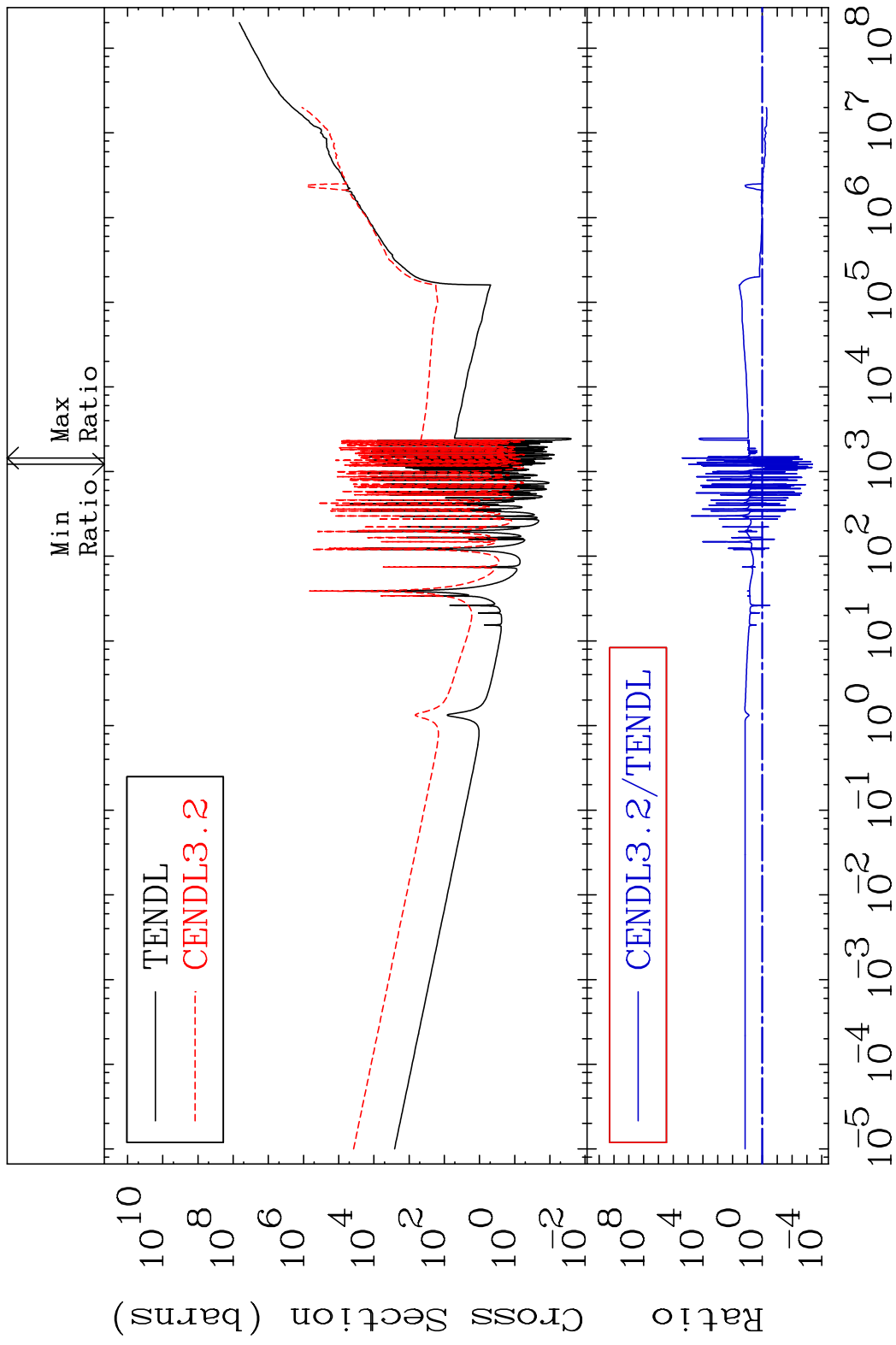
MAT 5040

Kerma elastic
Cross Section

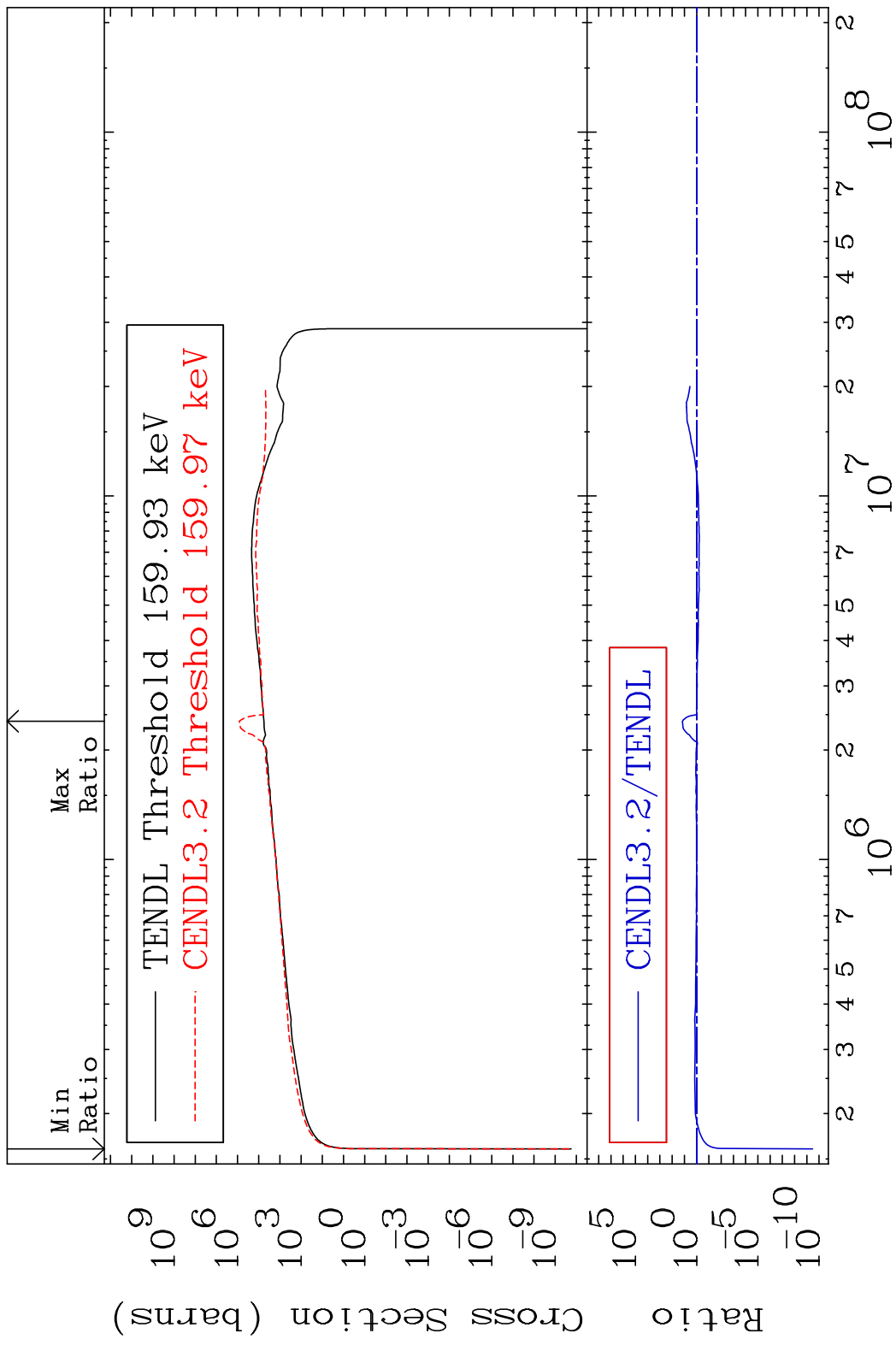
50-Sn-117
-99.92 To 7575. %



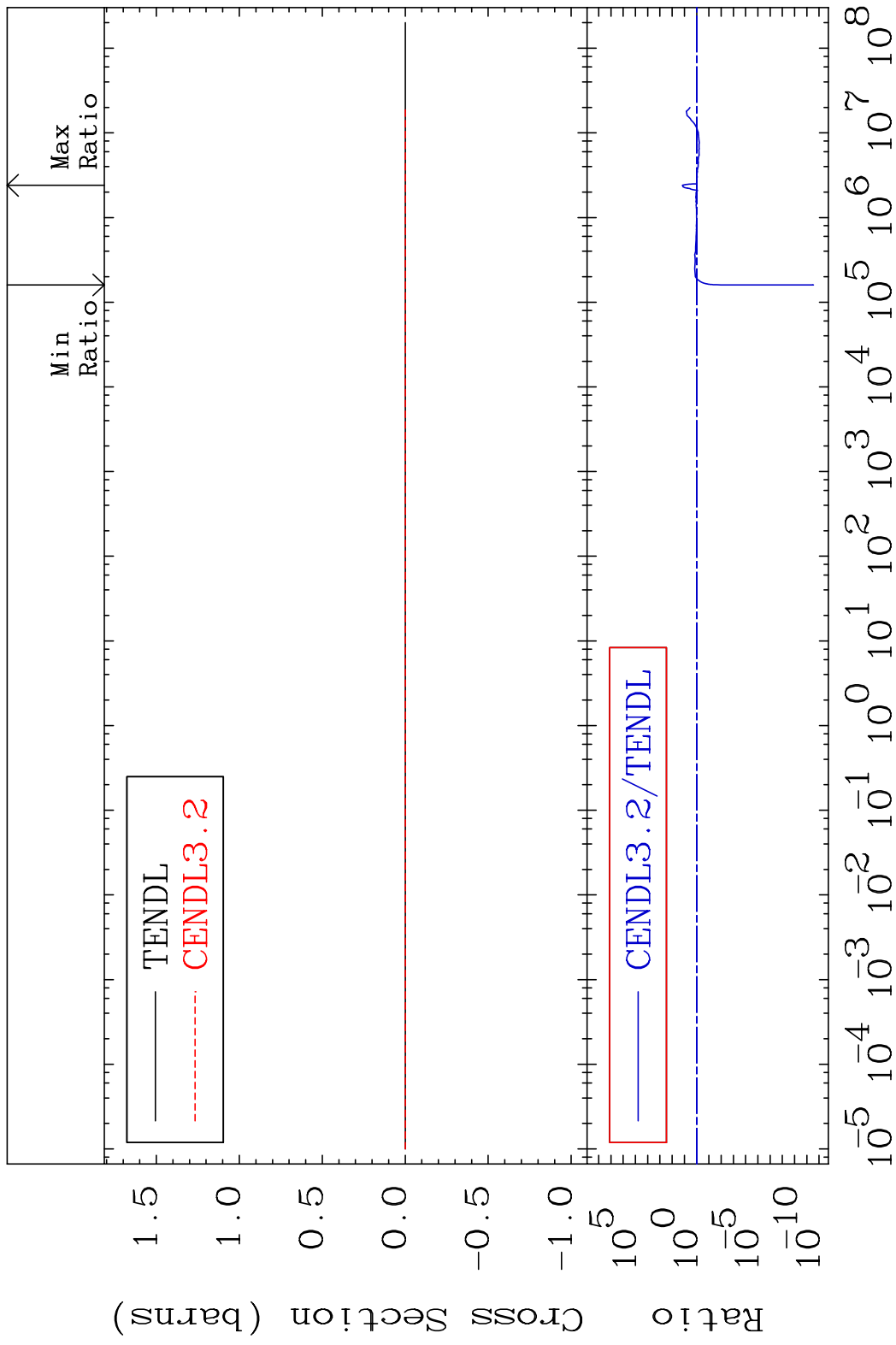
MAT 5040 Kerma non-elastic (all but mt2) 50-Sn-117
 Cross Section -99.96 To 9999. %



MAT 5040 Kerma inelastic (mt51-91) 50-Sn-117
 Cross Section -100.0 To 1369. %



MAT 5040 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-117
 Cross Section -100.0 To 1369. %

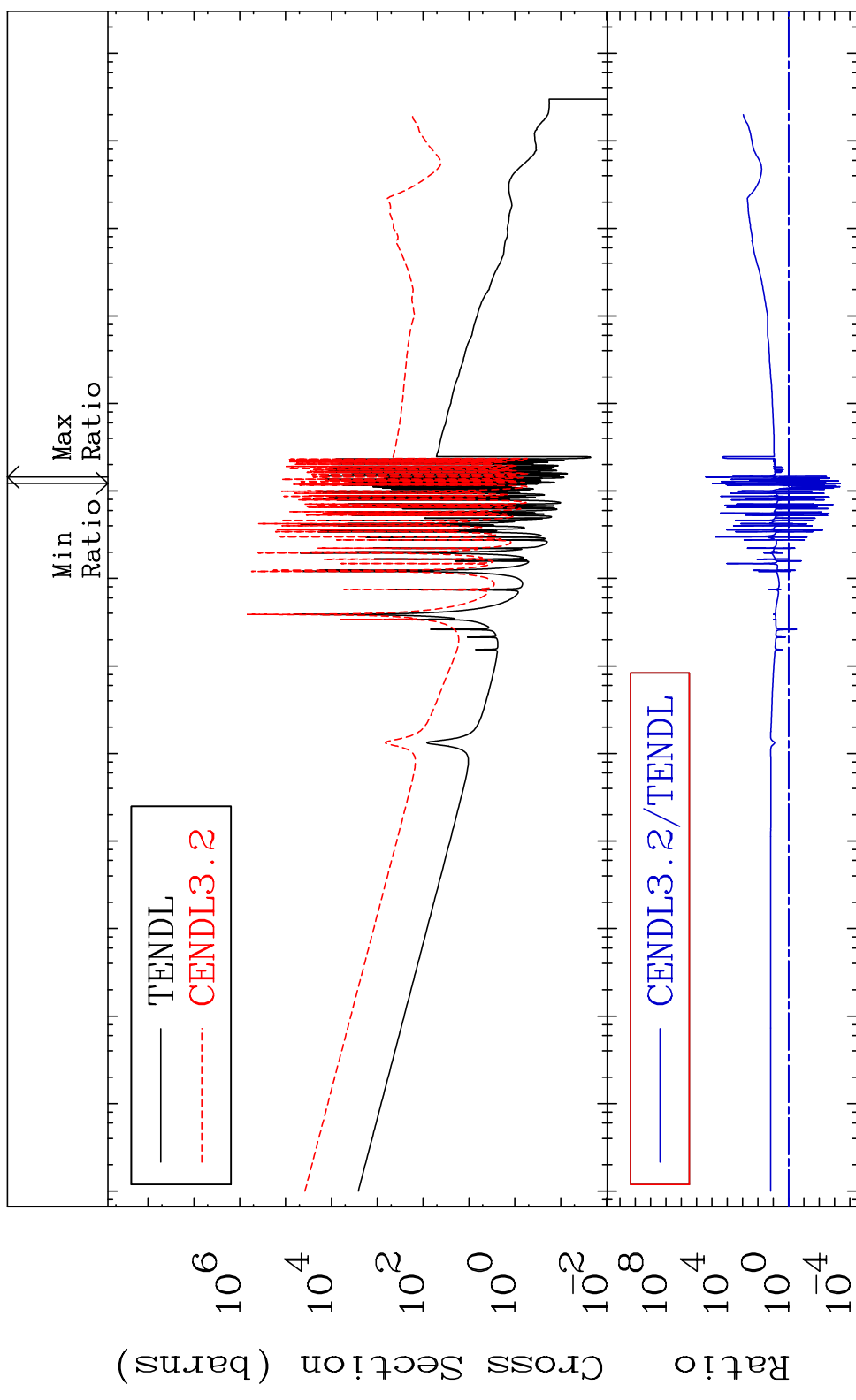


MAT 5040

Kerma capture (mt102)

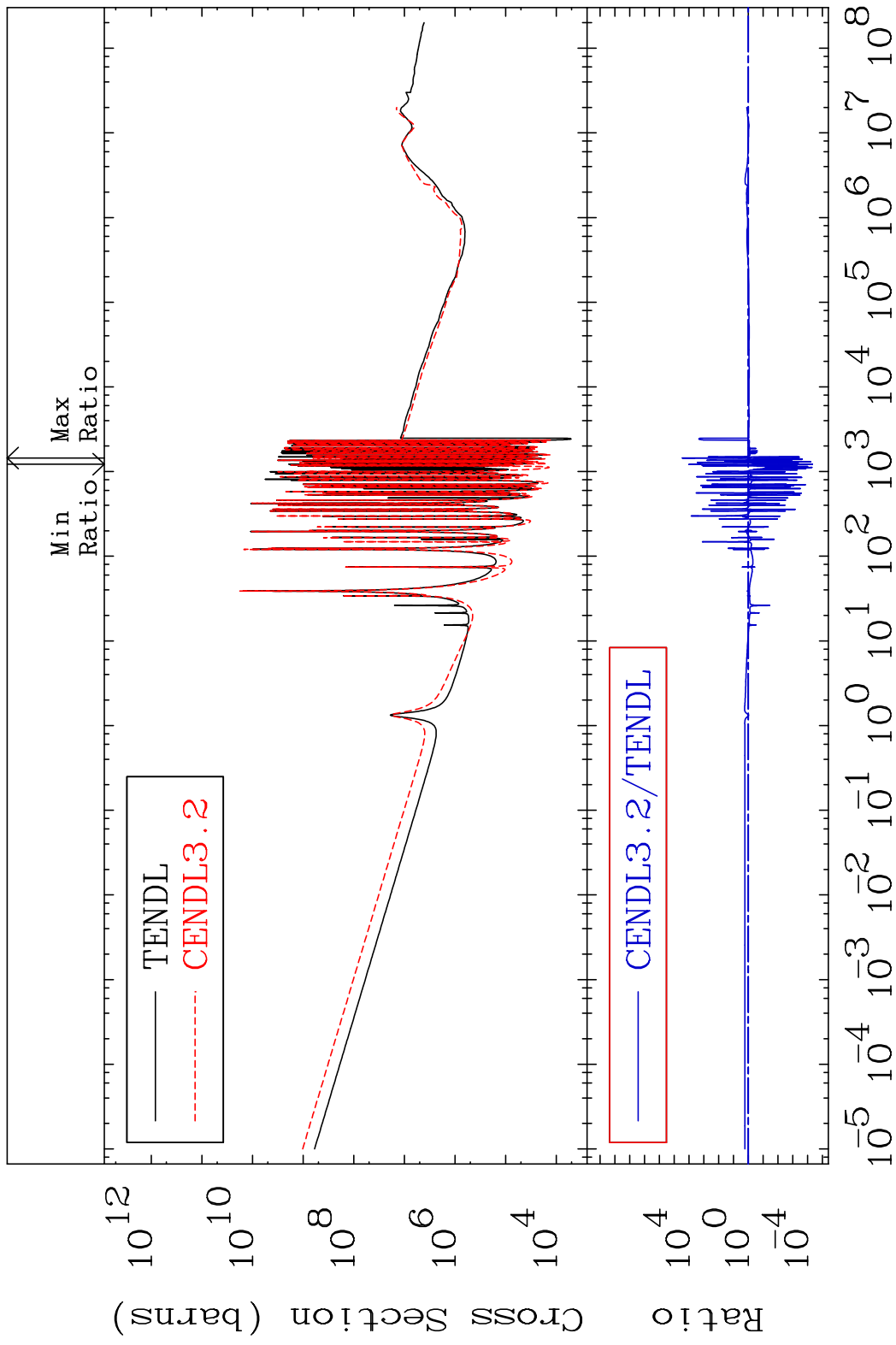
50-Sn-117

Cross Section -99.96 To 9999. %

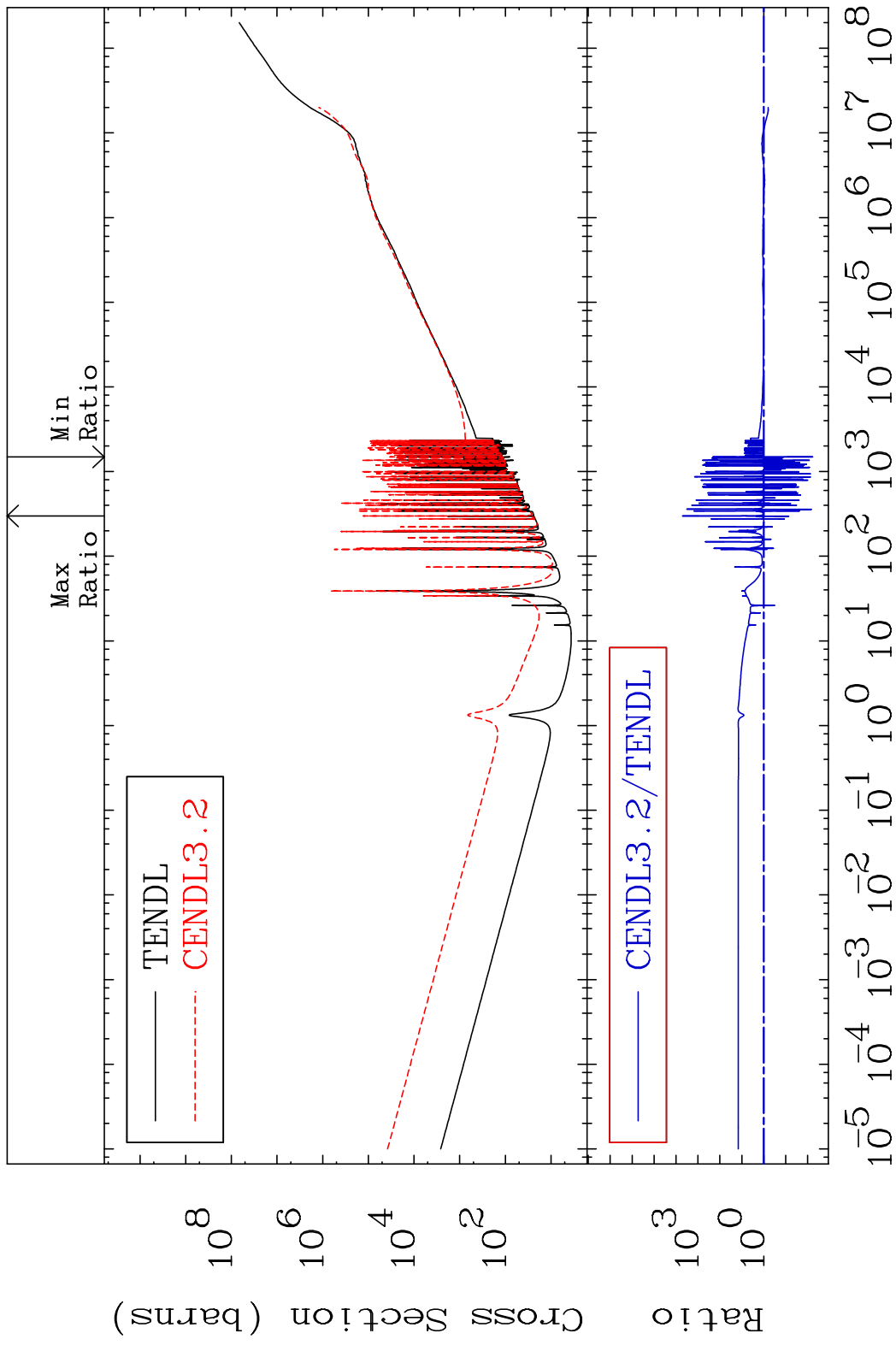


10⁶ 10⁴ 10² 10⁰ 10⁻² 10⁸ 10⁴ 10⁰ 10⁻⁴ 10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 5040 Total photon (eV-barns) 50-Sn-117
 Cross Section -100.0 To 9999. %



MAT 5040 Total kinematic kerma (high limit) 50-Sn-117
Cross Section -99.40 To 9999. %

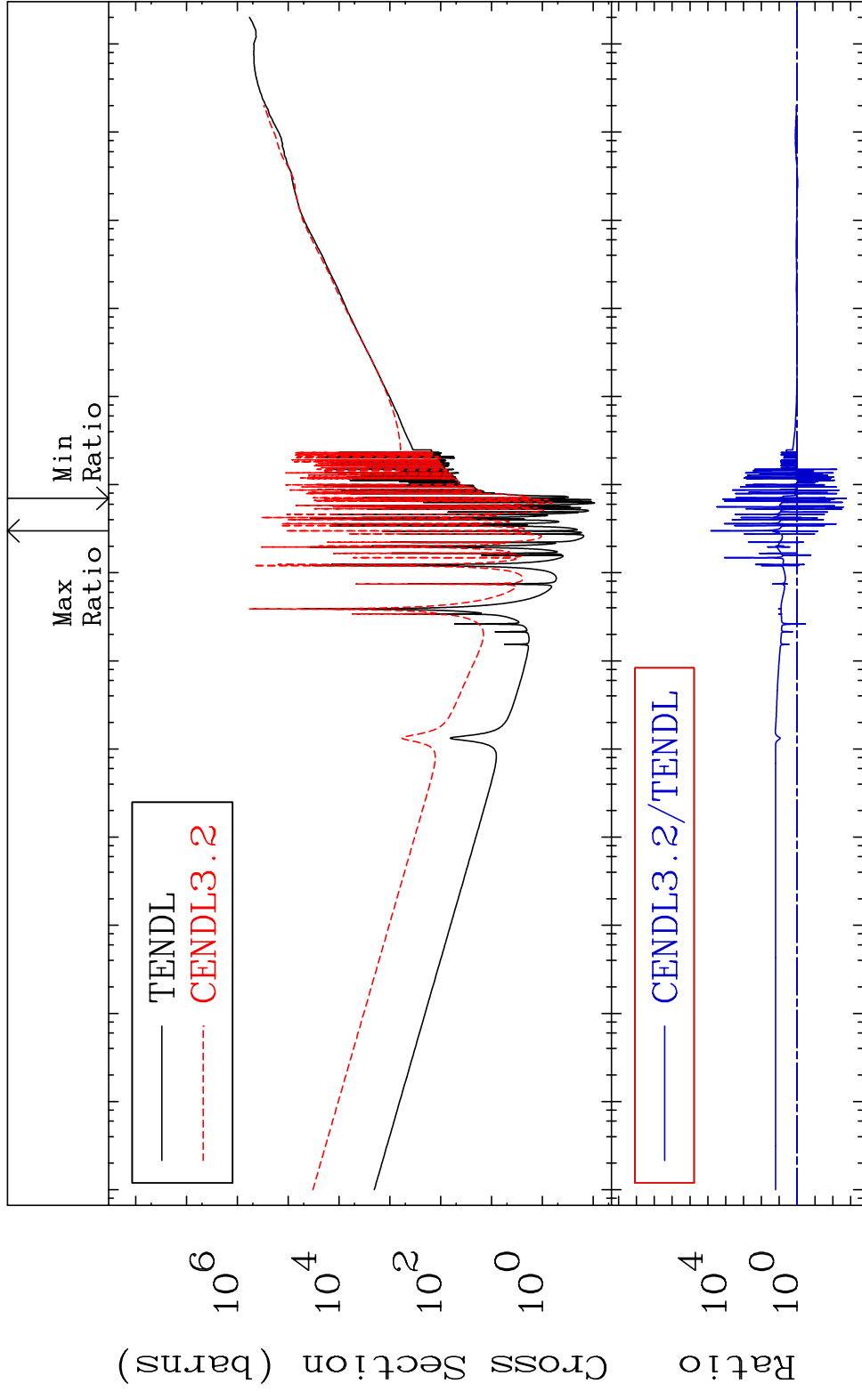


MAT 5040

Dpa total (eV-barns)

50-Sn-117

Cross Section -99.83 To 9999. %



49

Incident Energy (eV)

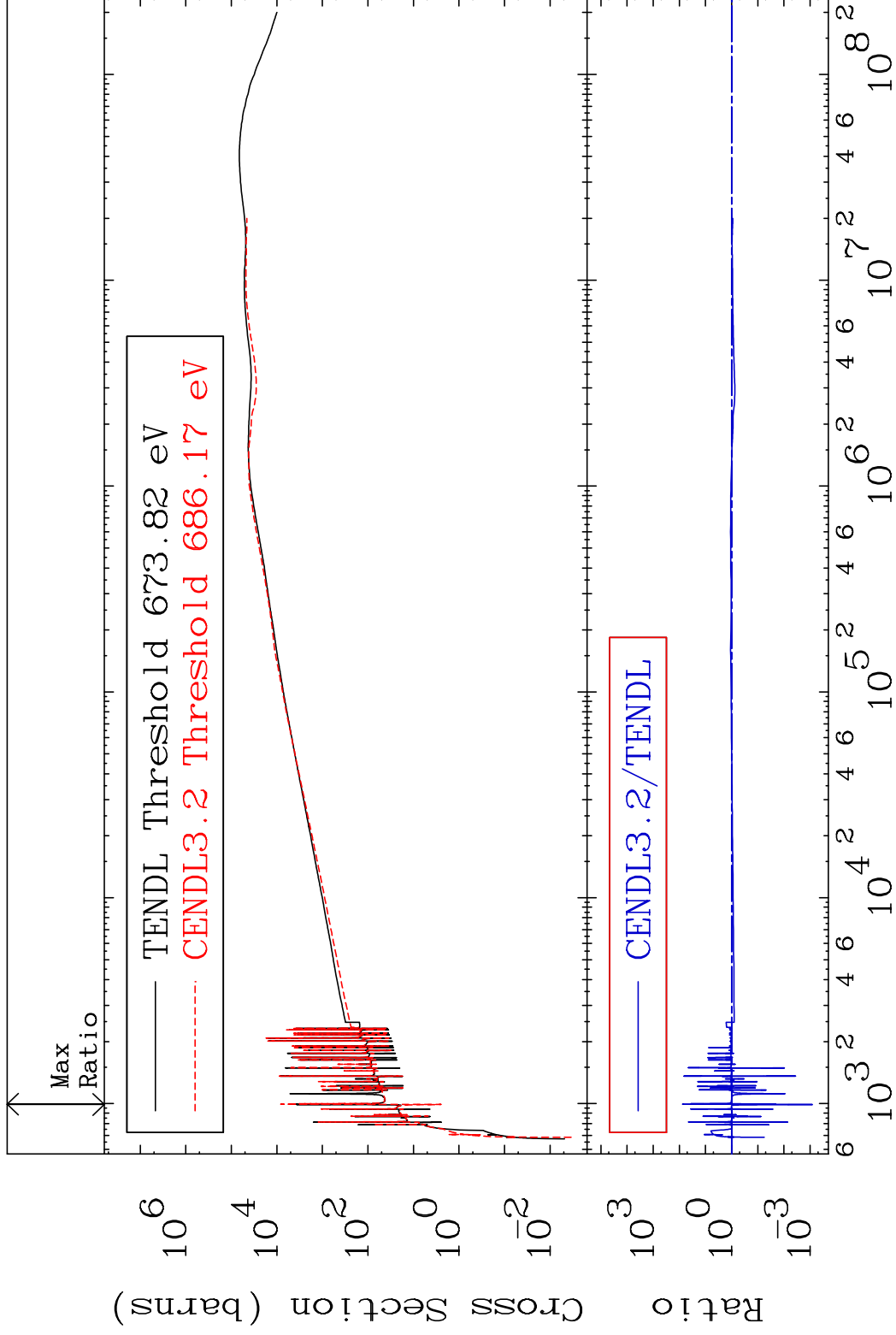
50-Sn-117

MAT 5040

Dpa elastic (mt2)

50-Sn-117

Cross Section -99.92 To 7577. %

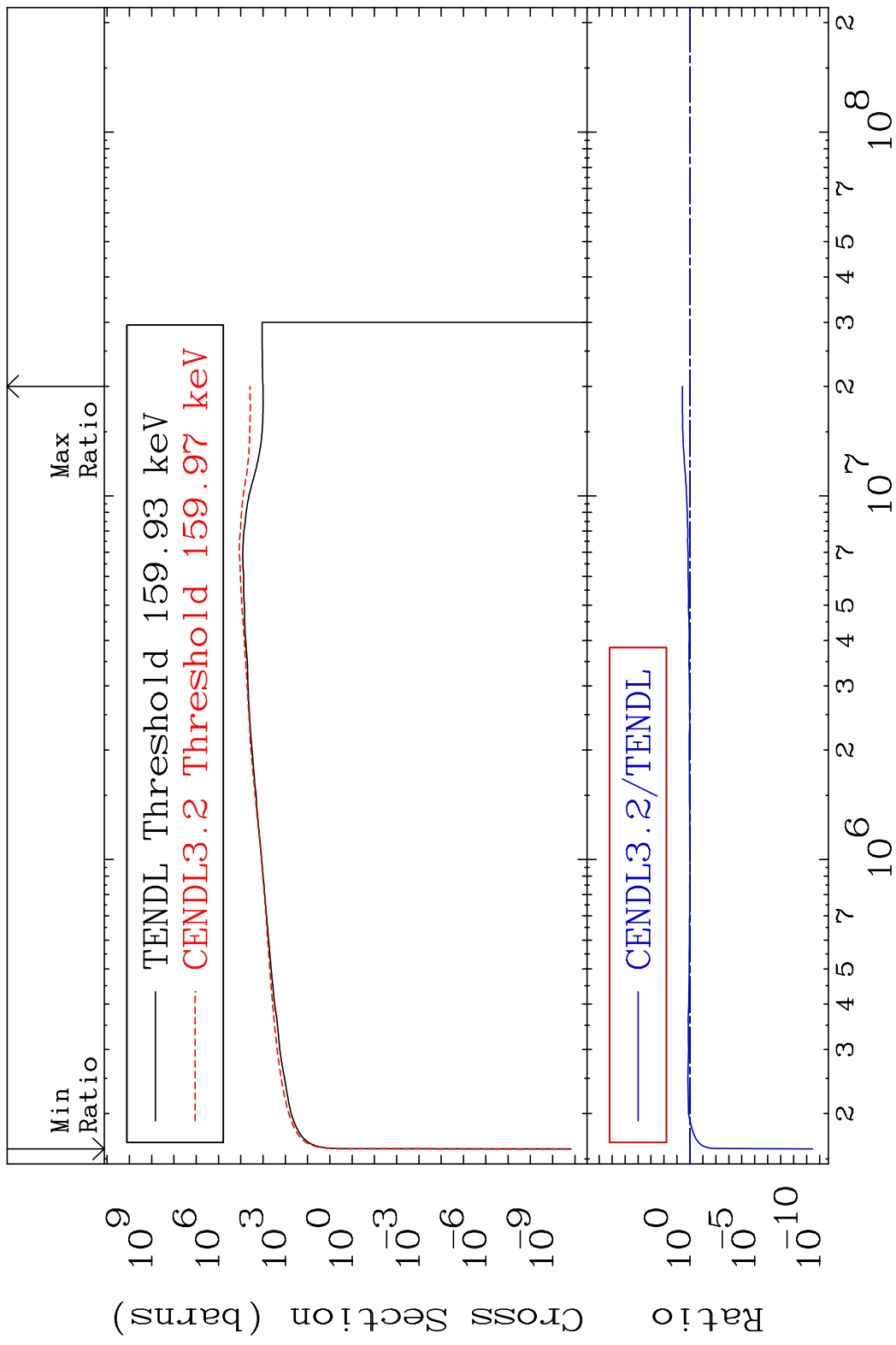


50

Incident Energy (eV)

50-Sn-117

MAT 5040 Dpa inelastic (mt51-91) 50-Sn-117
 Cross Section -100.0 To 283.4 %



MAT 5040 Dpa disappearance (mt102 -120) 50-Sn-117
 Cross Section -99.96 To 9999. %

