

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

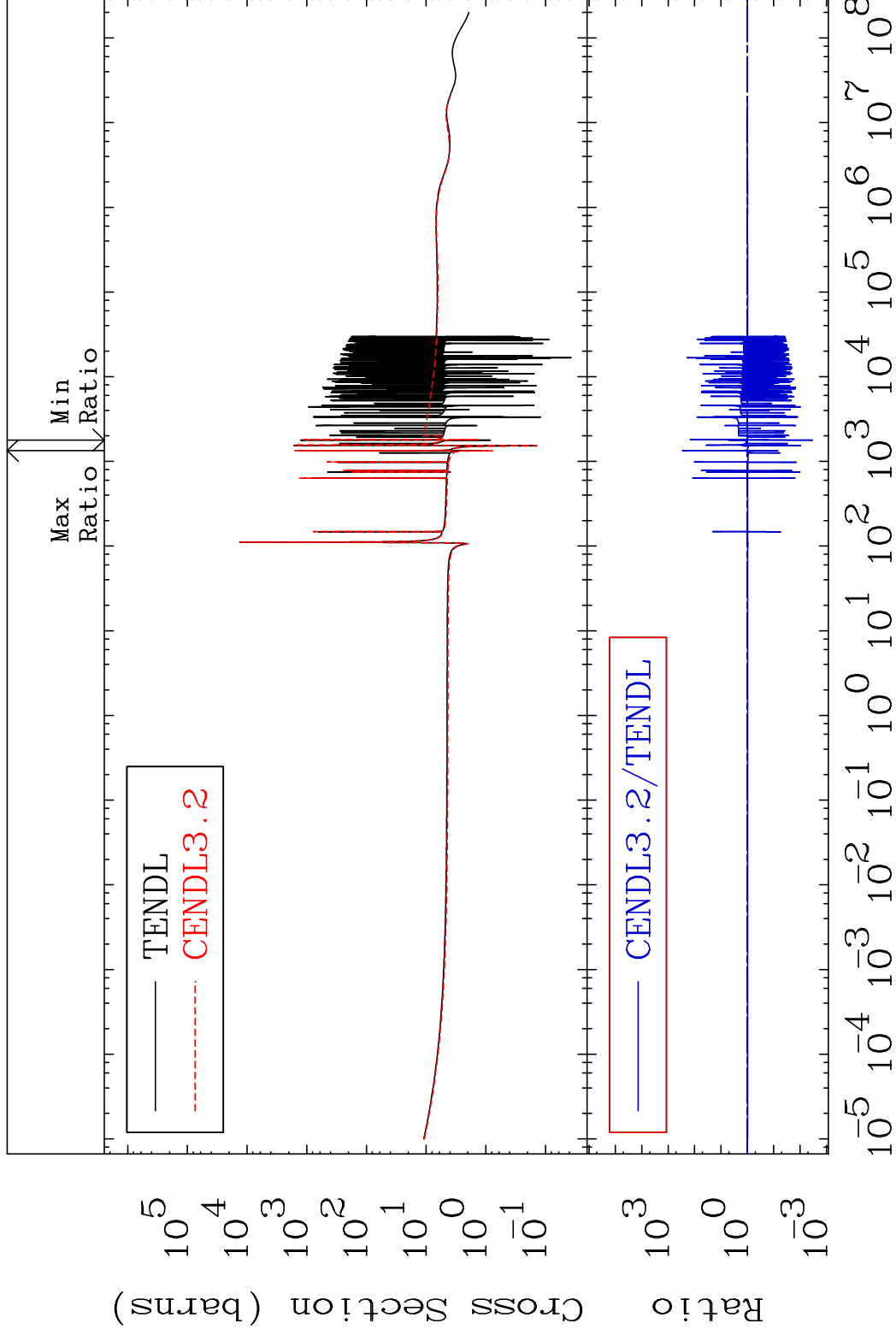
MAT 5037

Total

50-Sn-116

Cross Section

-99.66 To 9999. %



1

Incident Energy (eV)

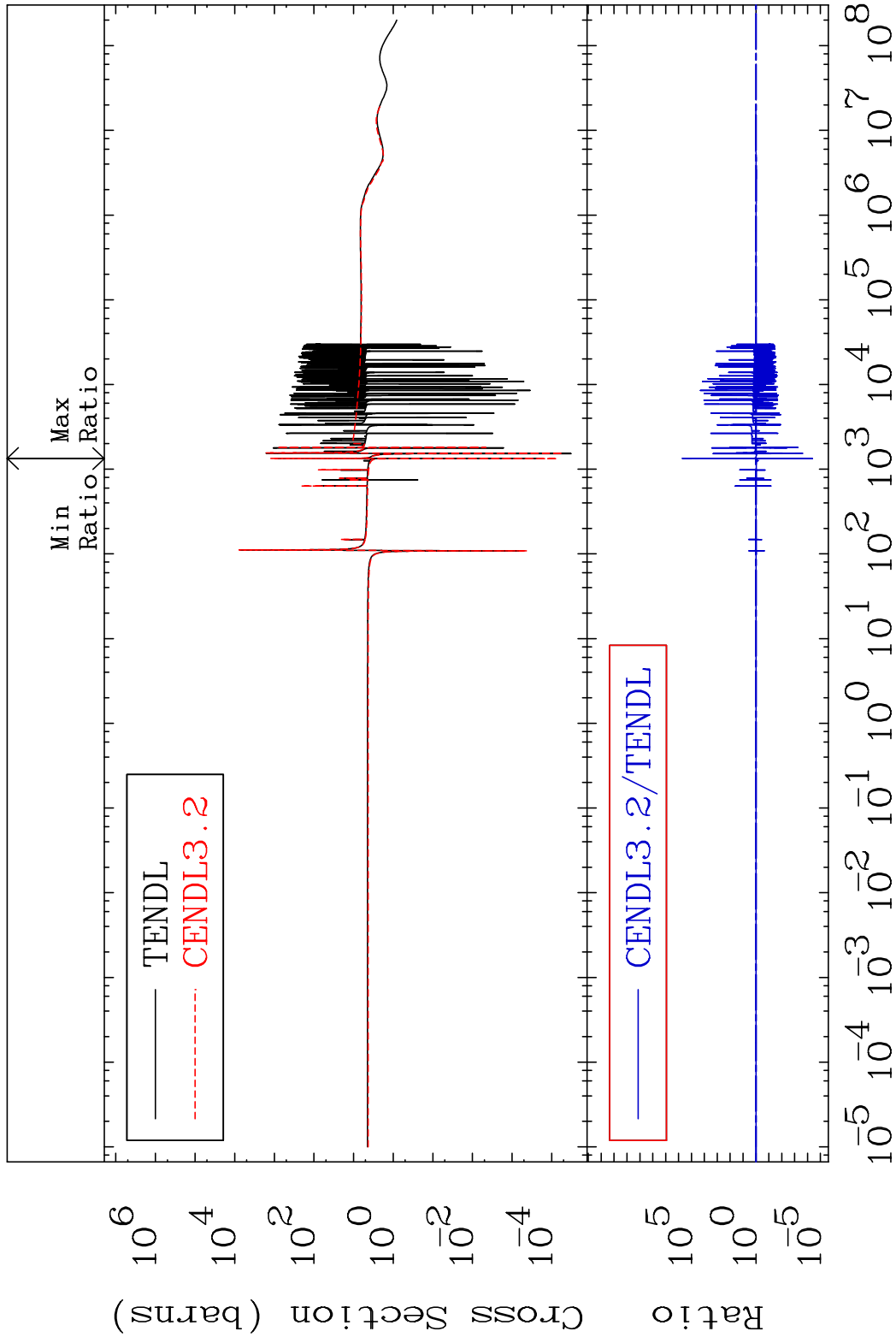
50-Sn-116

MAT 5037

Elastic

50-Sn-116

Cross Section -100.0 To 9999. %

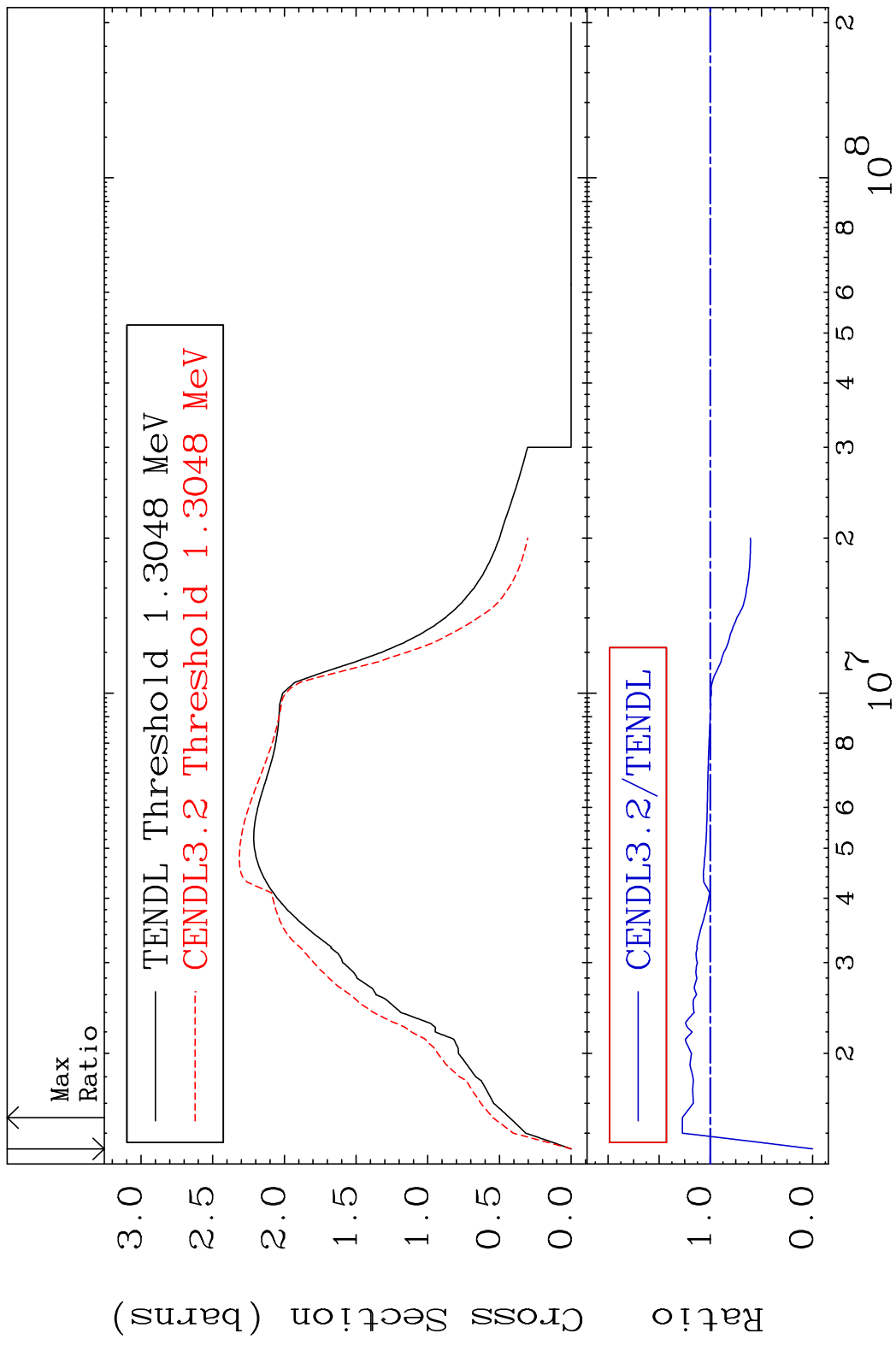


2

Incident Energy (eV)

50-Sn-116

MAT 5037 Inelastic 50-Sn-116
 Cross Section -100.0 To 27.28 %



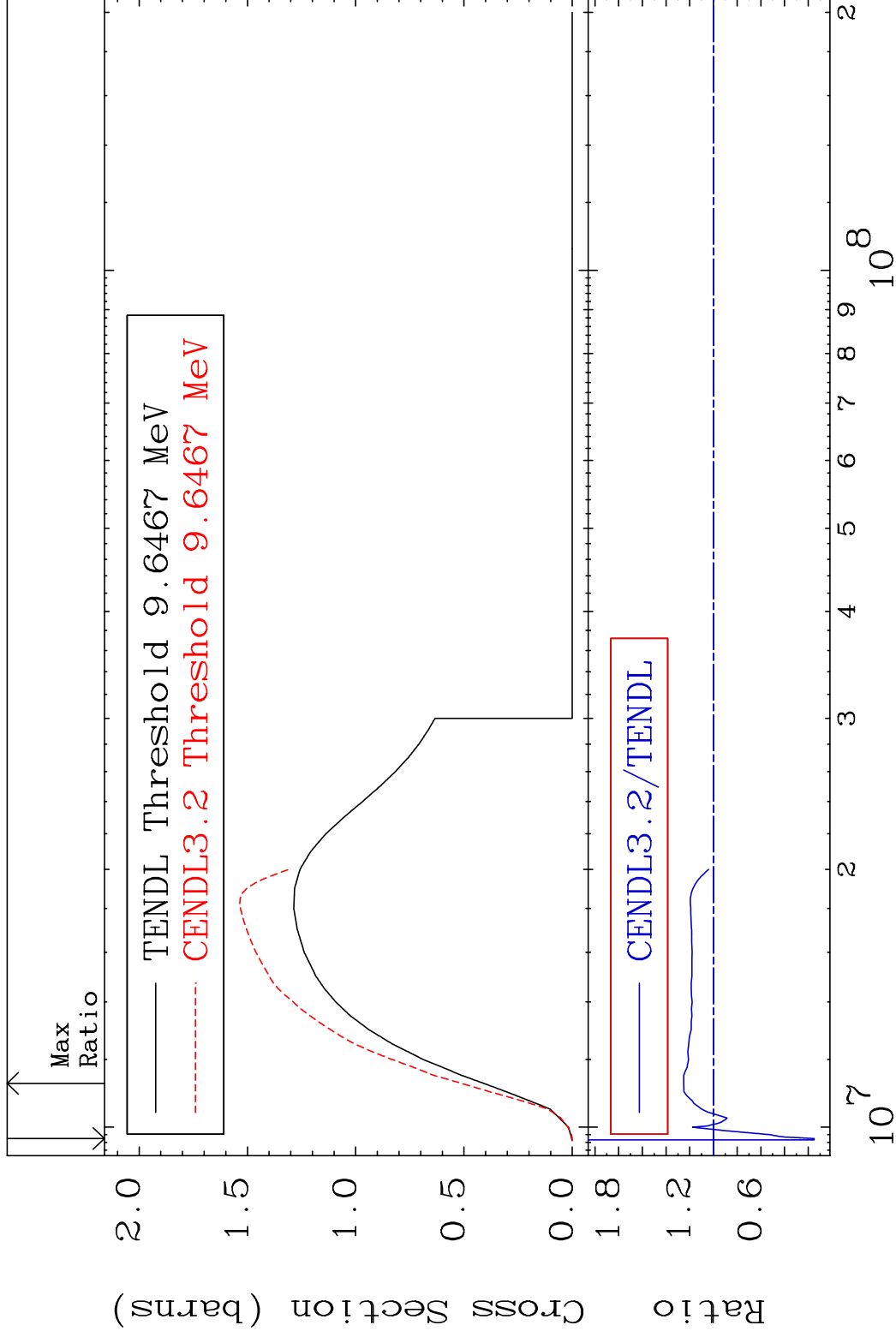
3 Incident Energy (eV) 50-Sn-116

MAT 5037

(n,2n)

50-Sn-116

Cross Section -84.98 To 25.13 %



50-Sn-116

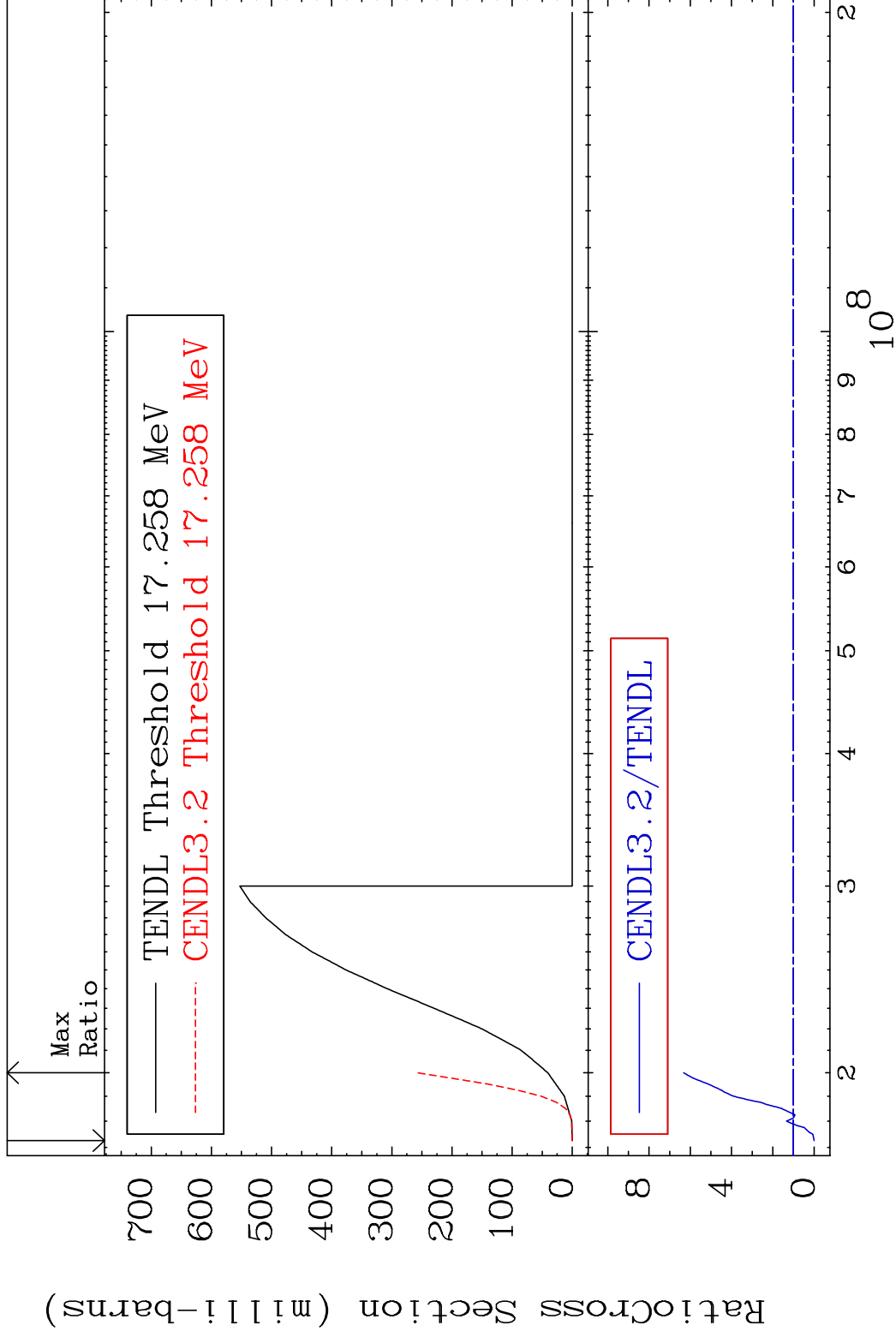
Incident Energy (eV)

MAT 5037

(n,3n)

50-Sn-116

Cross Section -100.0 To 532.1 %



5

Incident Energy (eV)

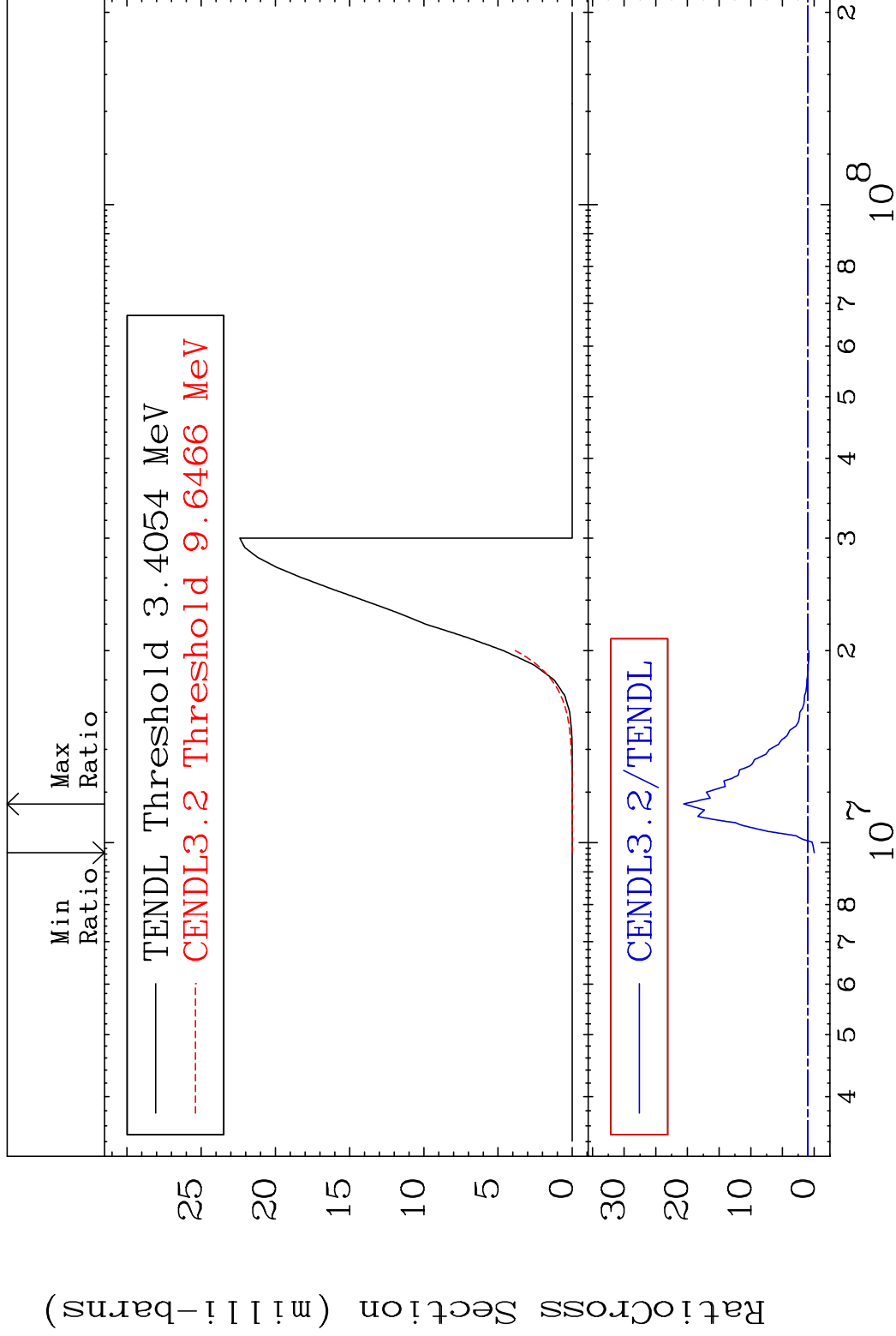
50-Sn-116

MAT 5037

(n, n') α

50-Sn-116

Cross Section -100.0 To 1960. %



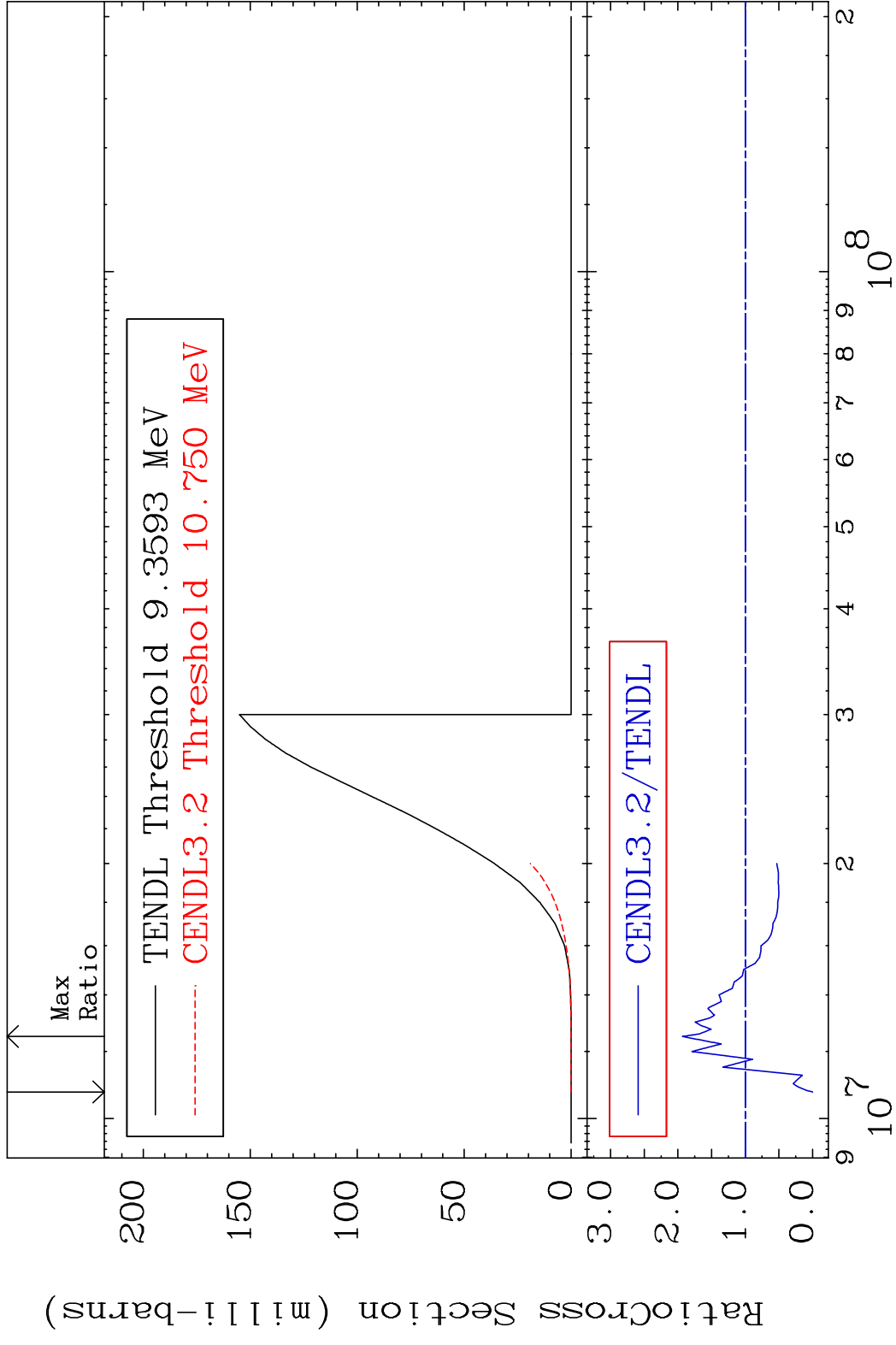
6

Incident Energy (eV)

50-Sn-116

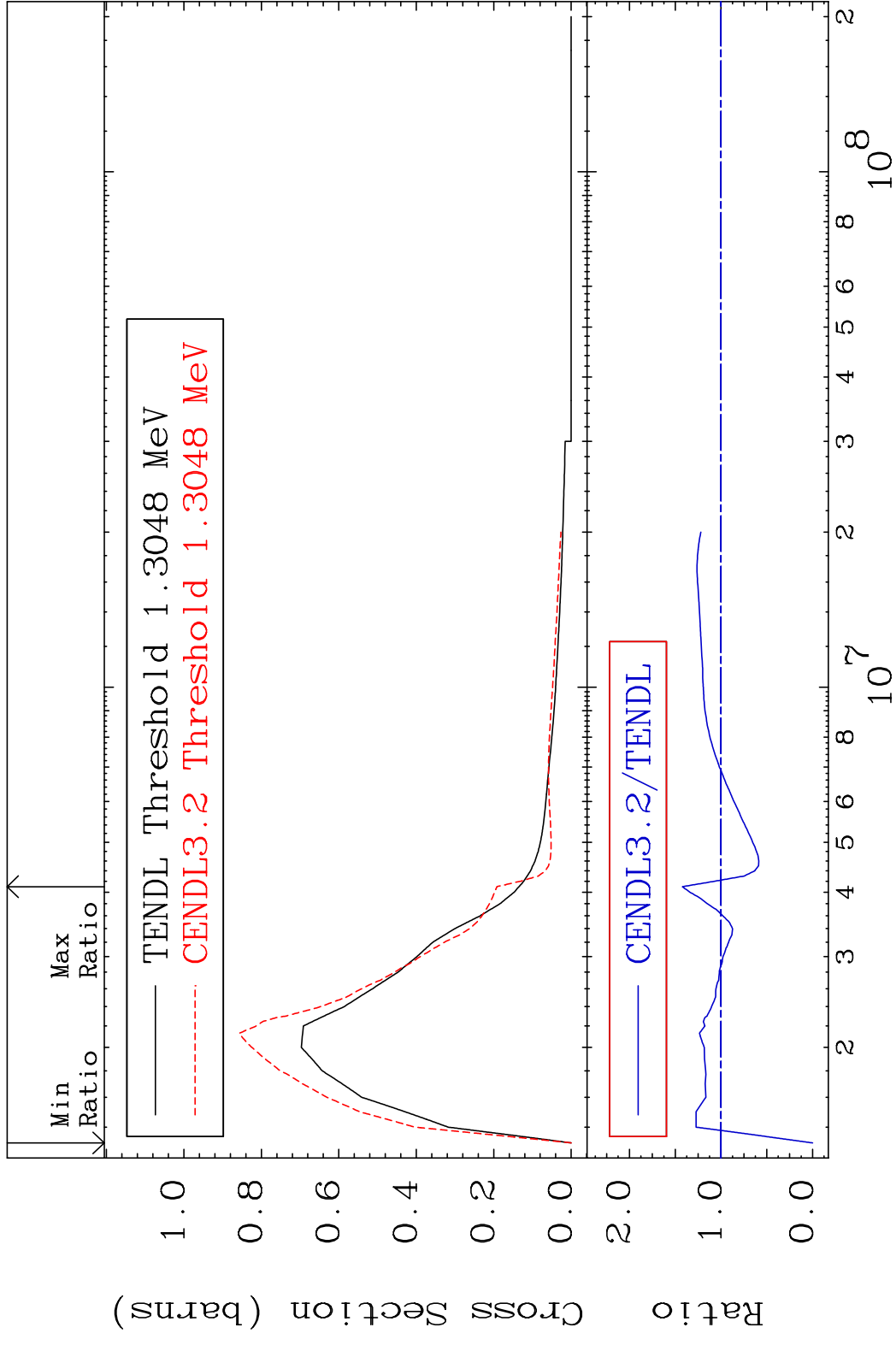
MAT 5037

(n, n') p 50-Sn-116
Cross Section -100.0 To 93.41 %

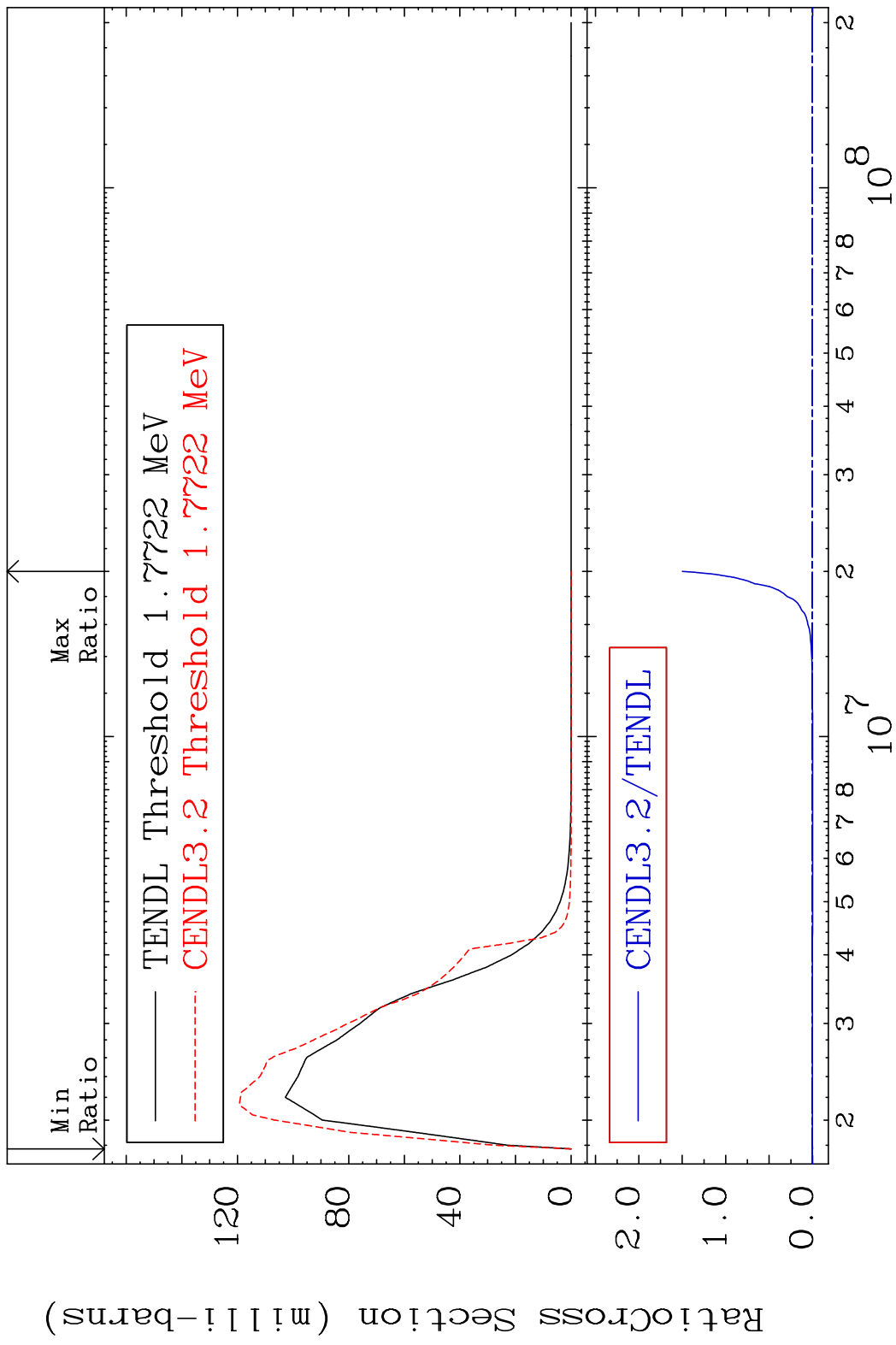


7 8 9 2
10⁷ 10⁸
50-Sn-116

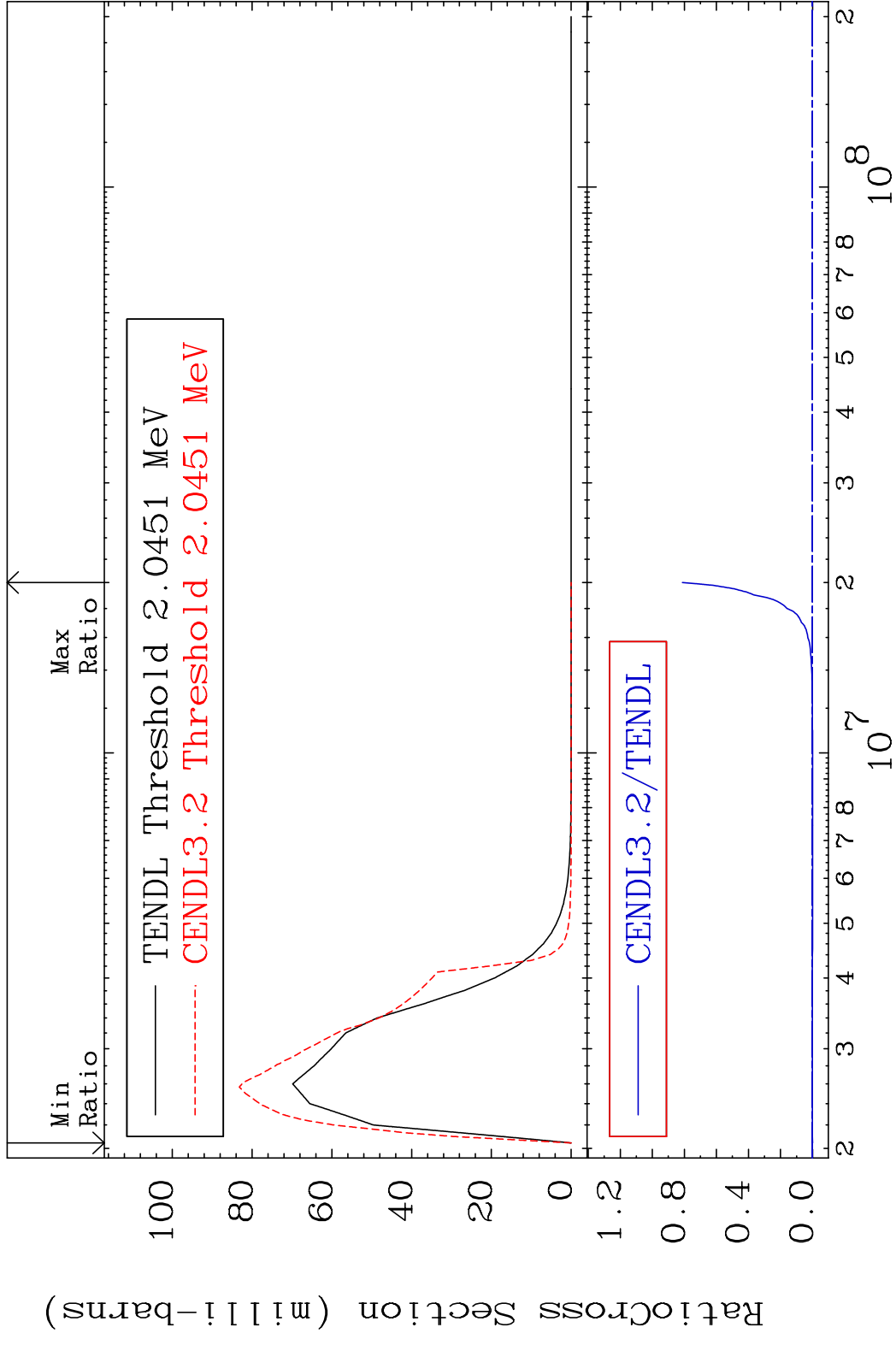
MAT 5037 MT= 51 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 42.26 %



MAT 5037 MT= 52 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



MAT 5037 MT= 53 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



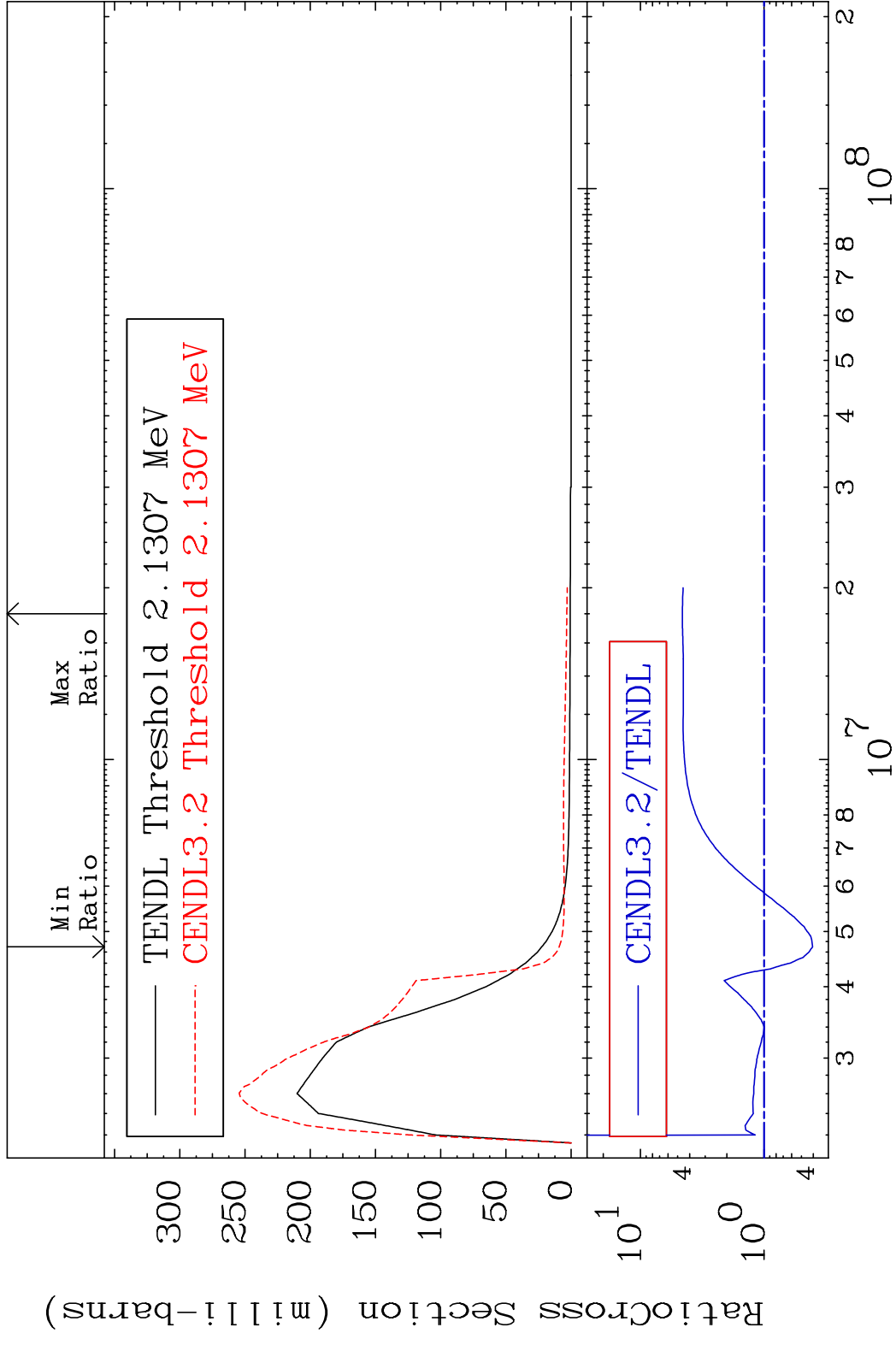
10 Incident Energy (eV) 50-Sn-116

MAT 5037

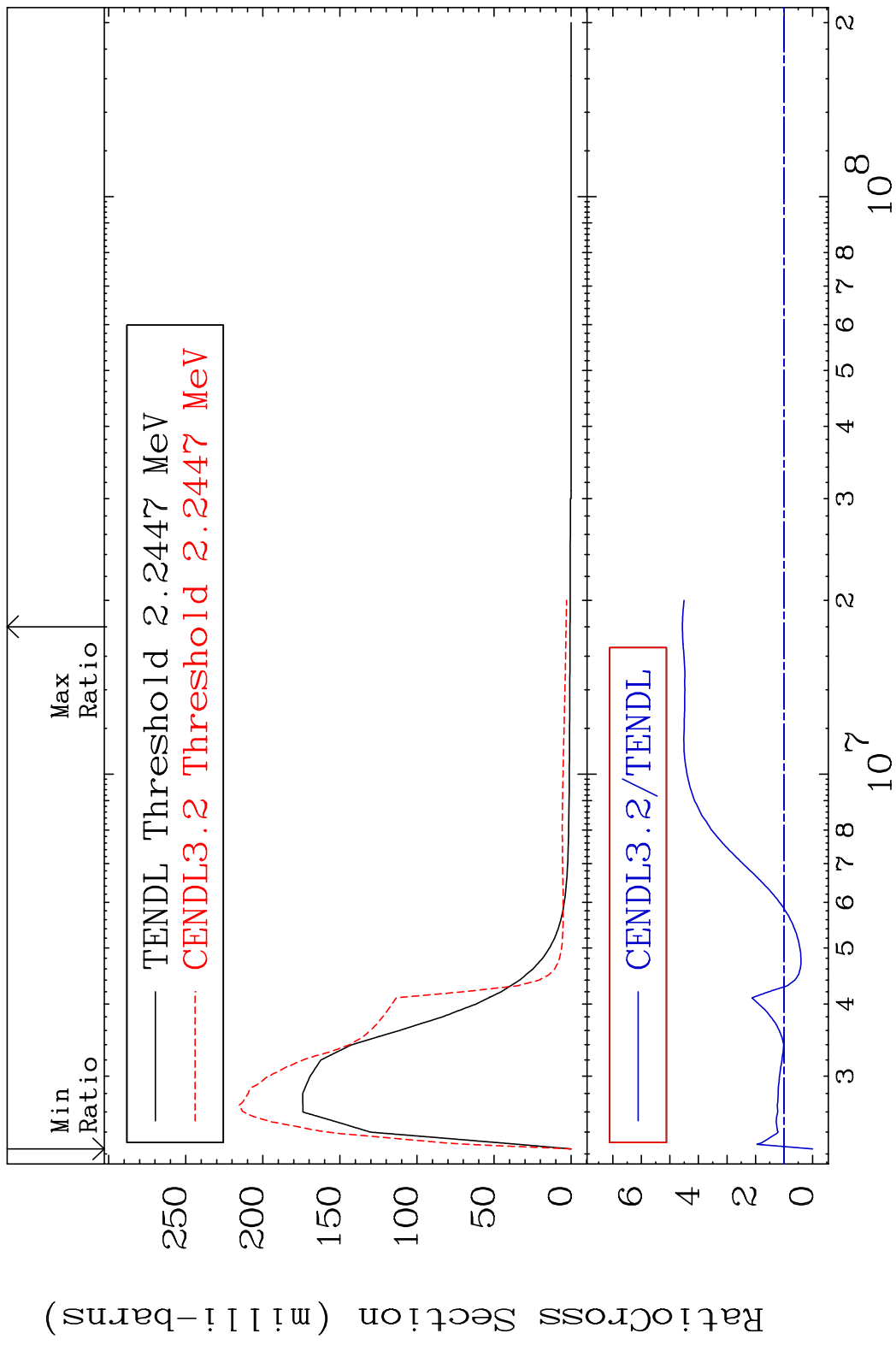
MT= 54 (n, n') Level

50-Sn-116

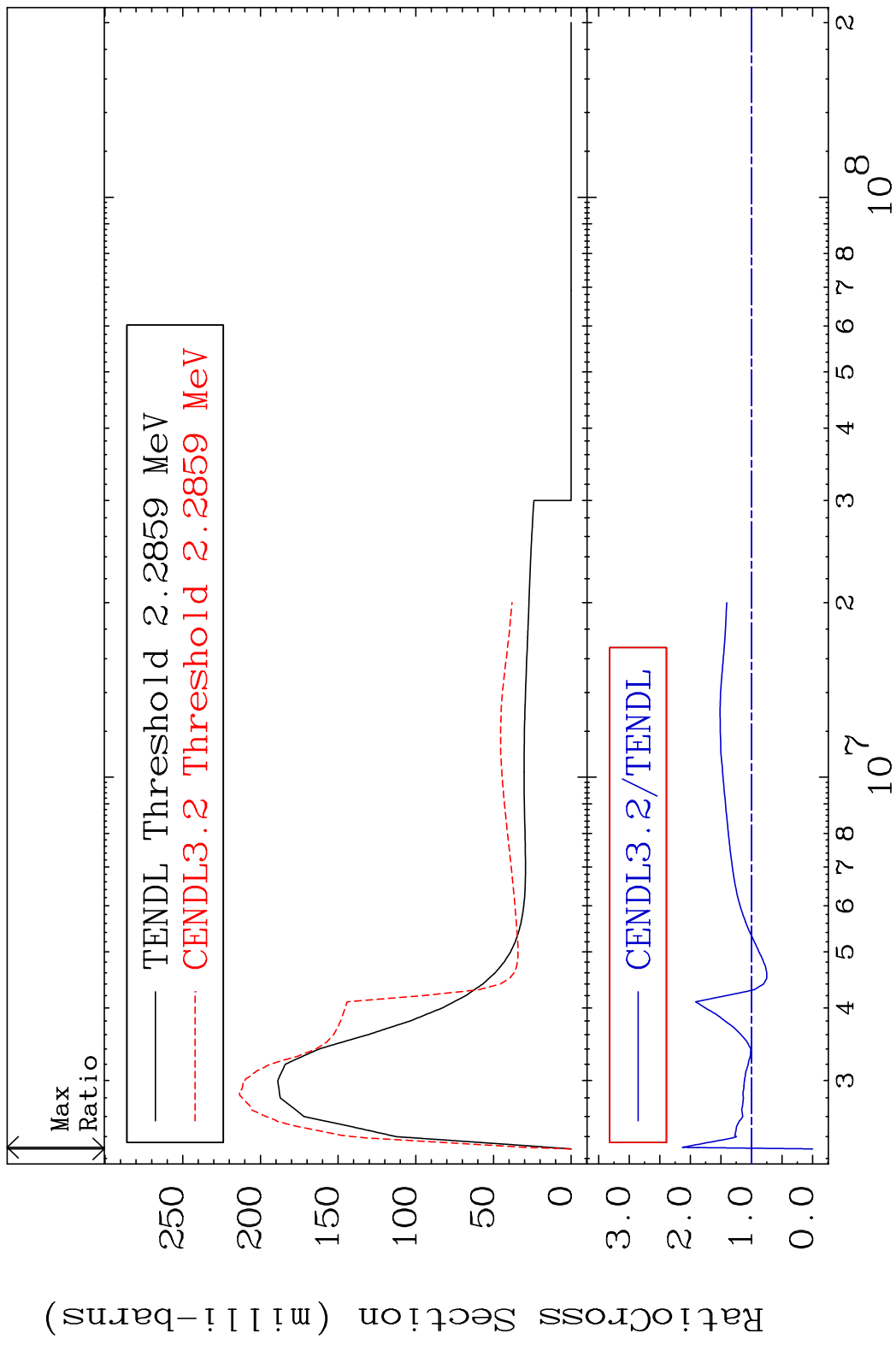
Cross Section -59.44 To 358.5 %



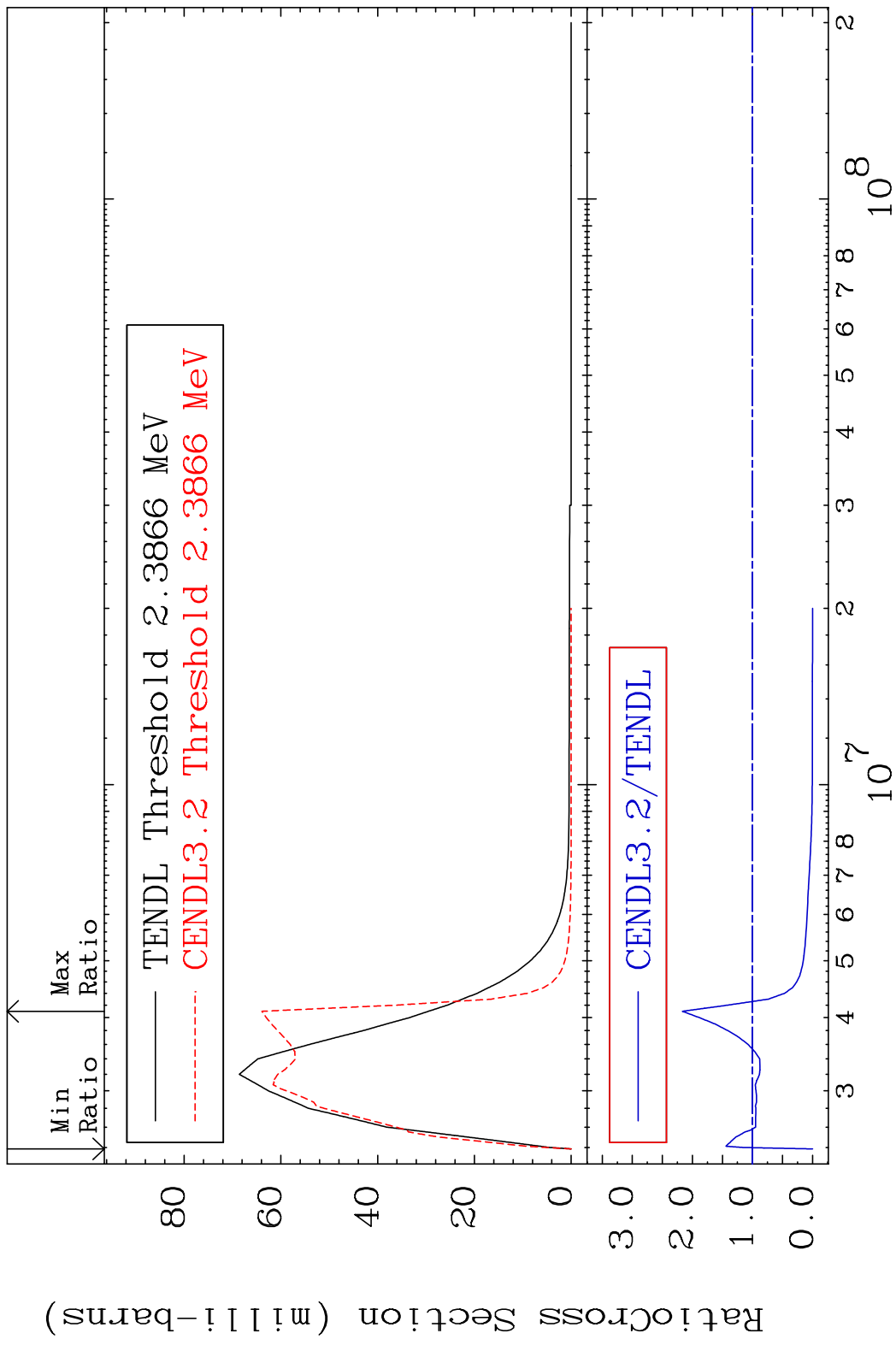
MAT 5037 MT= 55 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 356.4 %



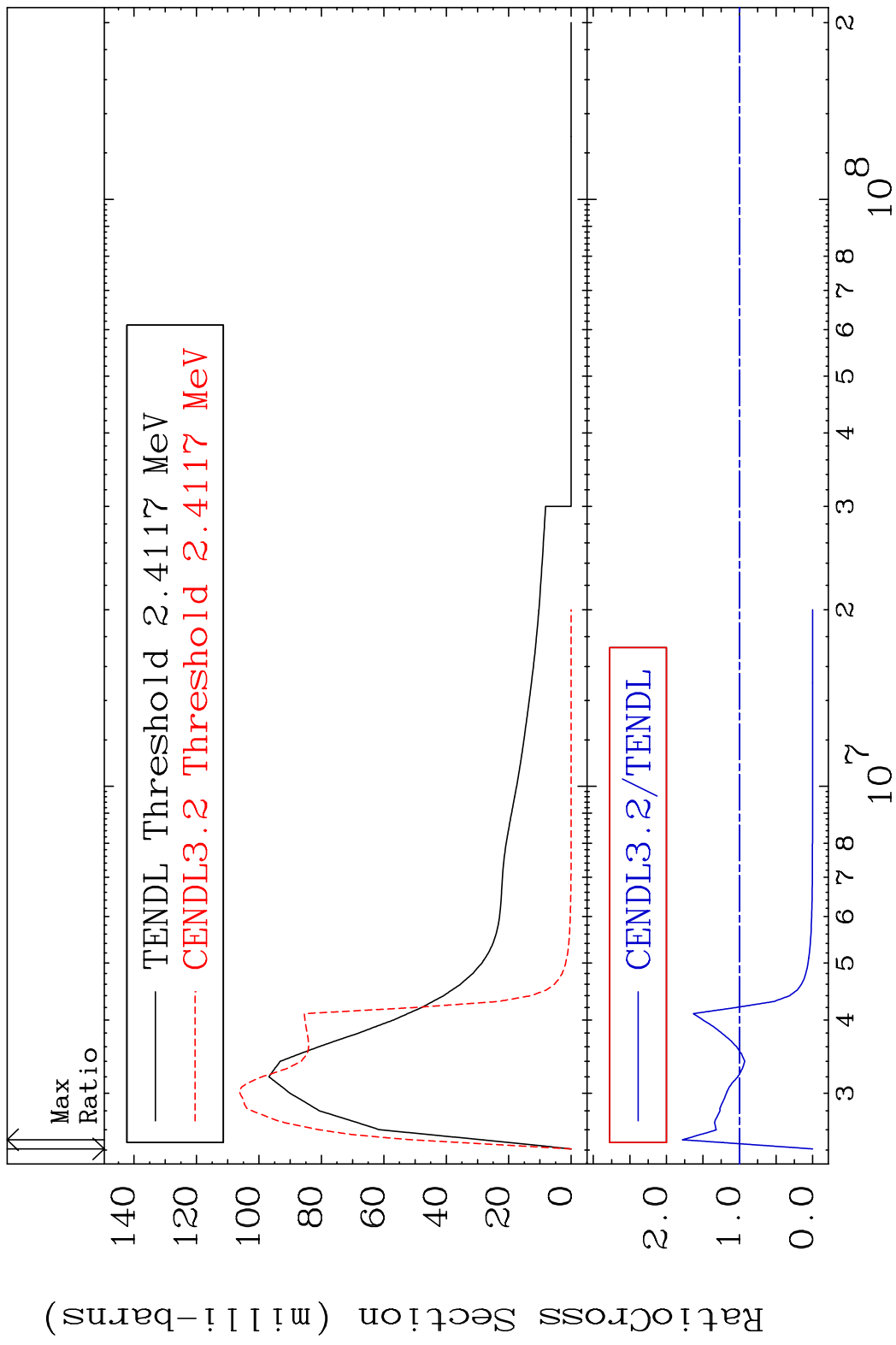
MAT 5037 MT= 56 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 113.1 %



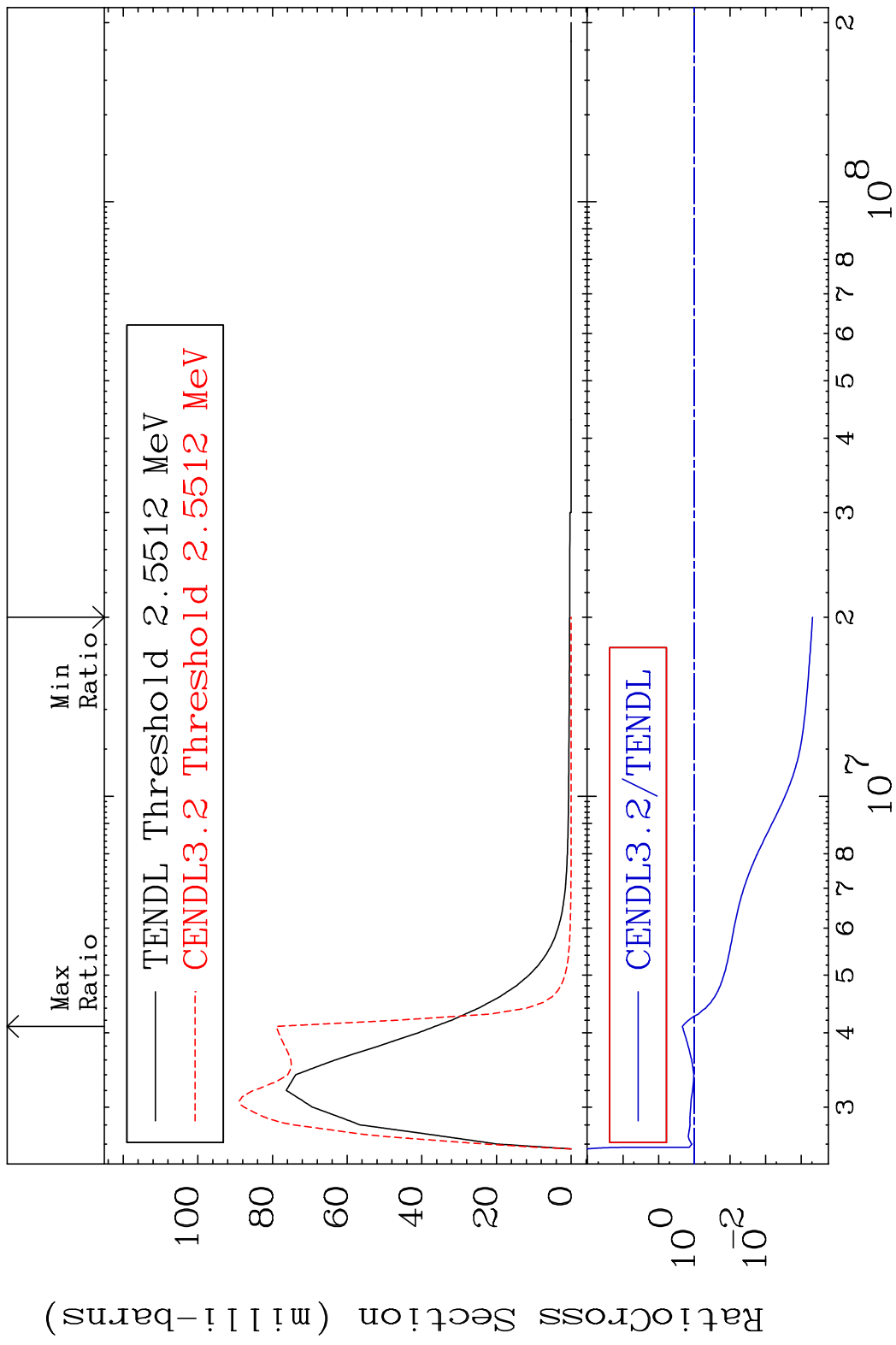
MAT 5037 MT= 57 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 116.7 %



MAT 5037 MT= 58 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 78.16 %

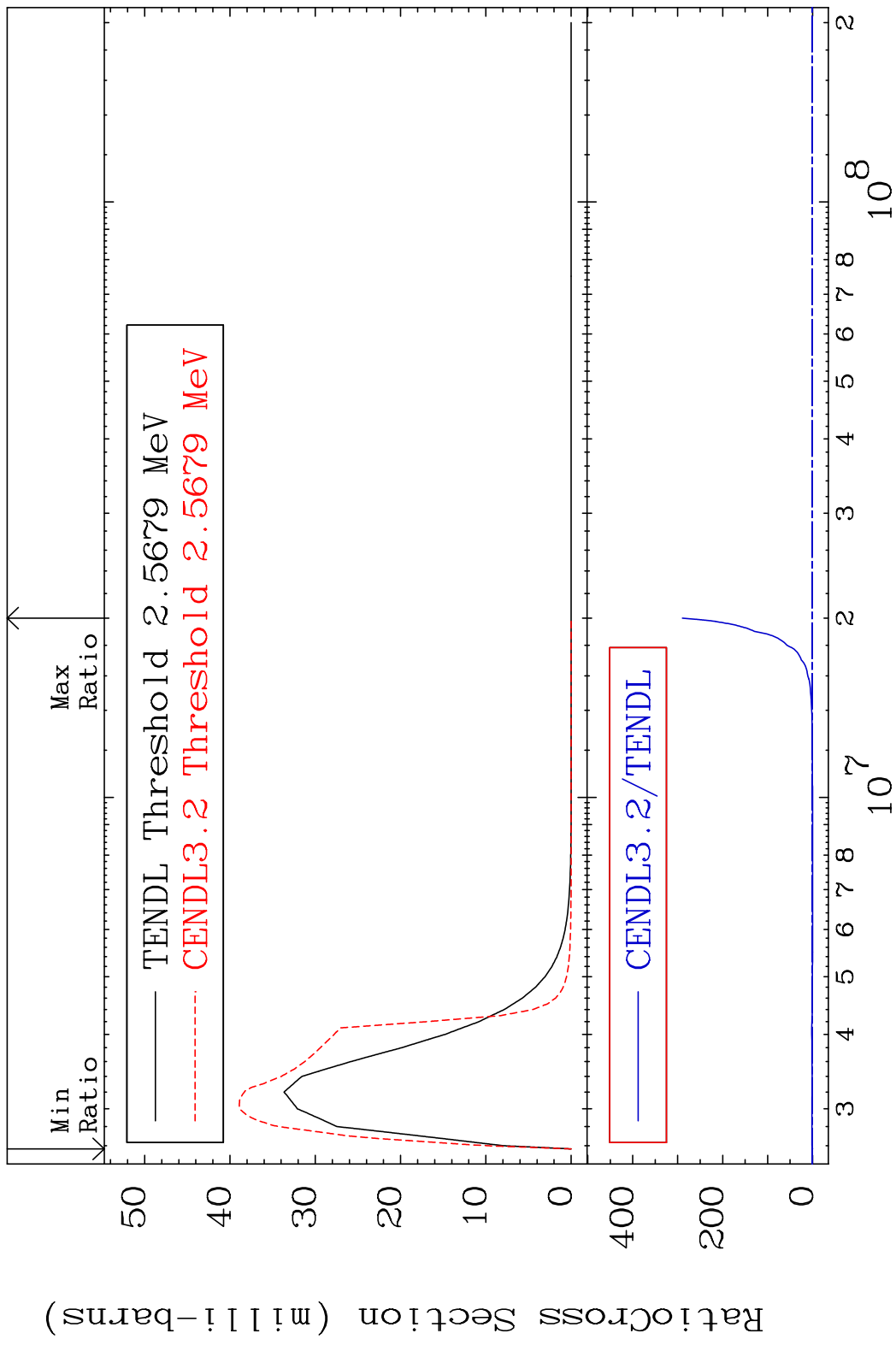


MAT 5037 MT= 59 (n,n') Level 50-Sn-116
 Cross Section -99.95 To 116.5 %

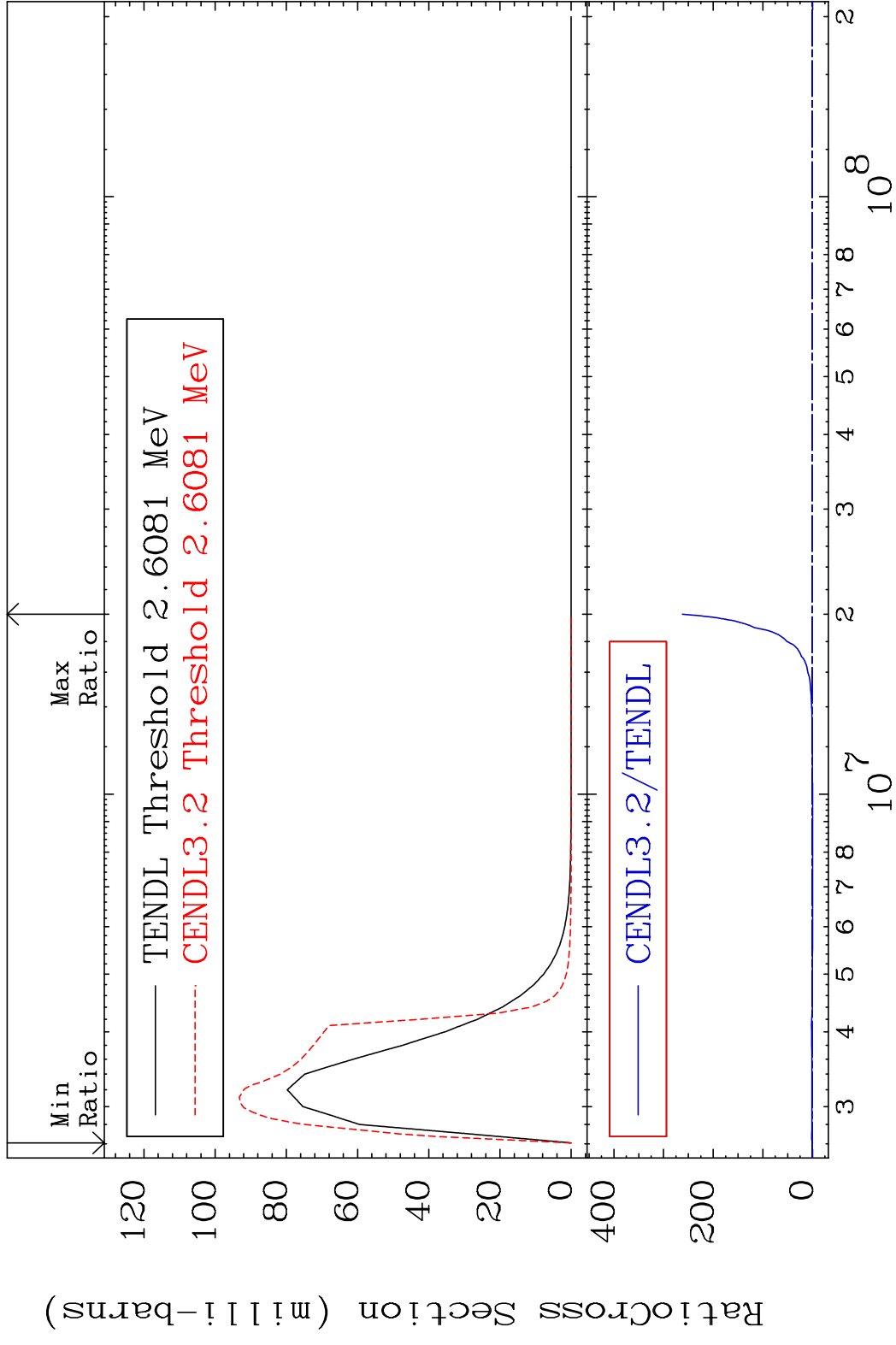


16 Incident Energy (eV) 50-Sn-116

MAT 5037 MT= 60 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



MAT 5037 MT= 61 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %

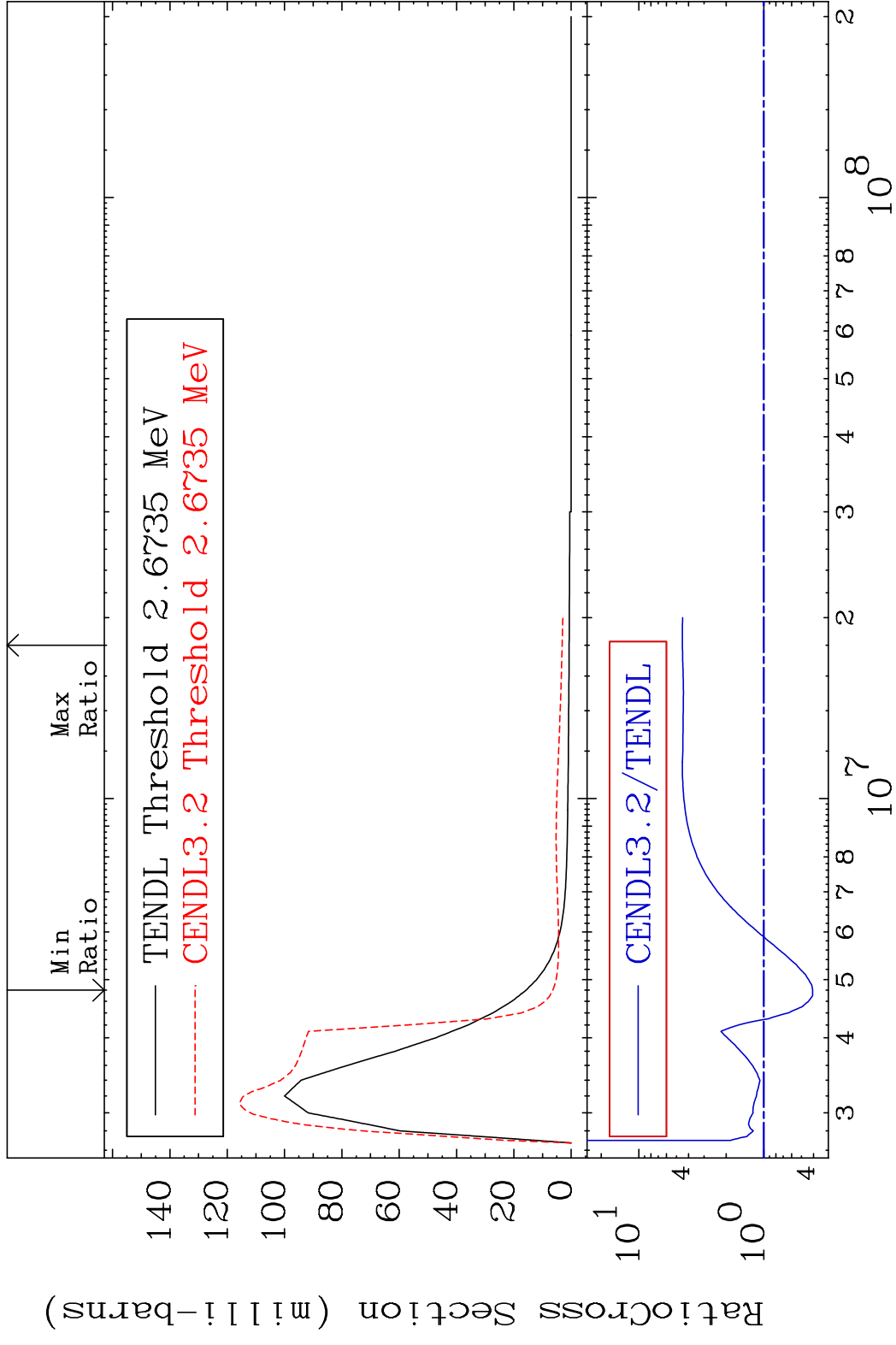


MAT 5037

MT= 62 (n, n') Level

50-Sn-116

Cross Section -59.26 To 347.9 %

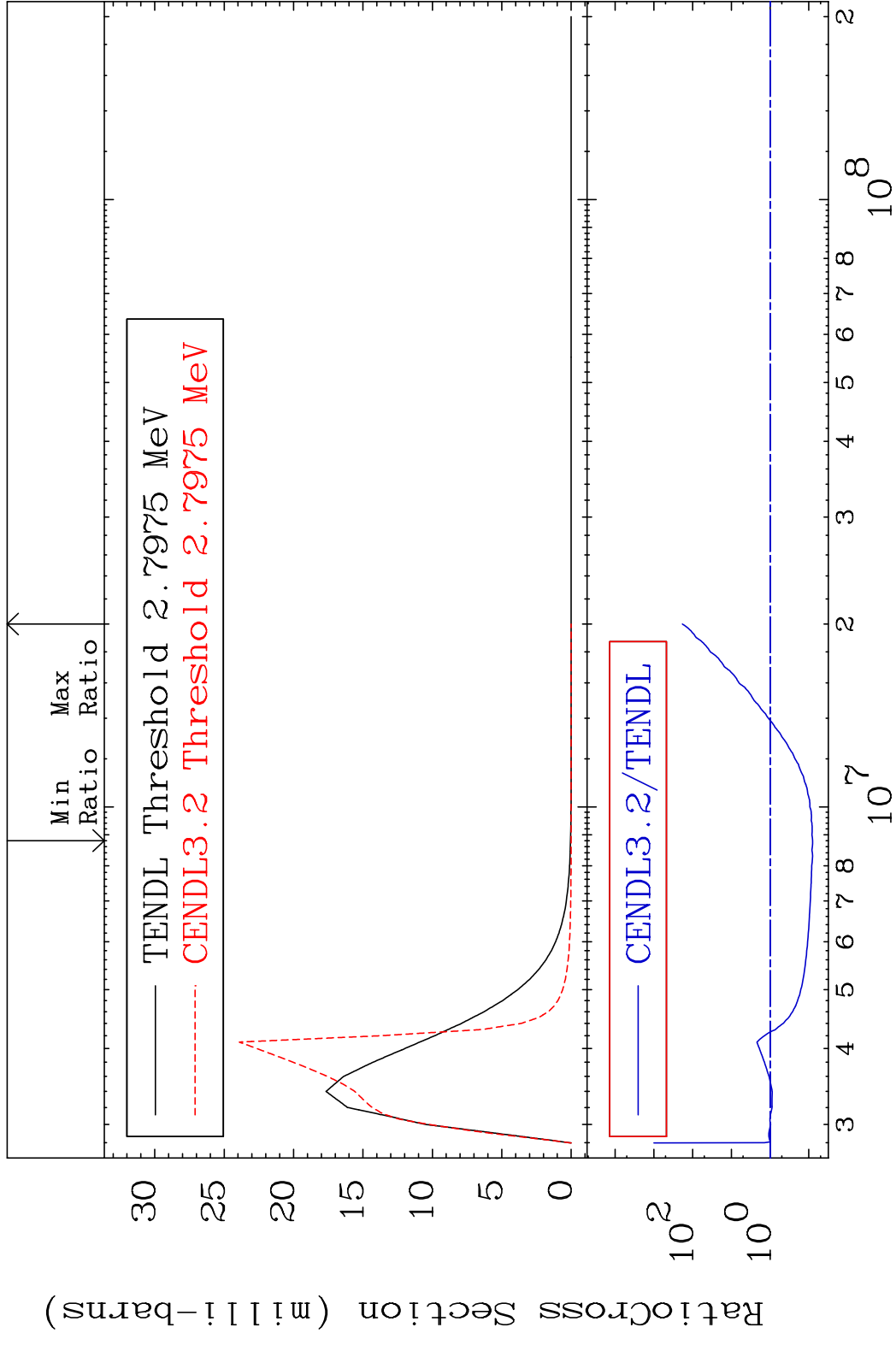


MAT 5037

MT= 63 (n, n') Level

50-Sn-116

Cross Section -91.98 To 9999. %

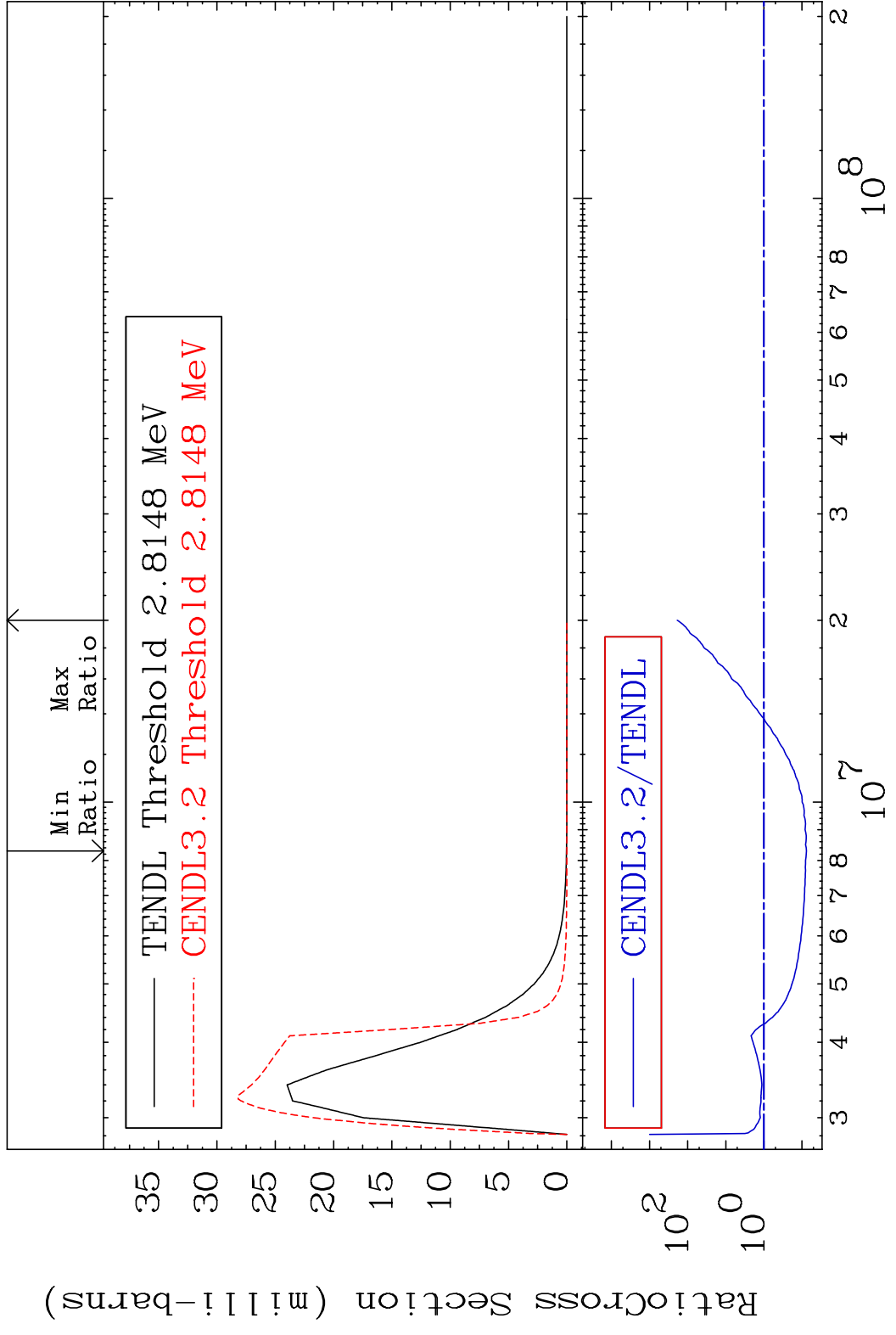


20

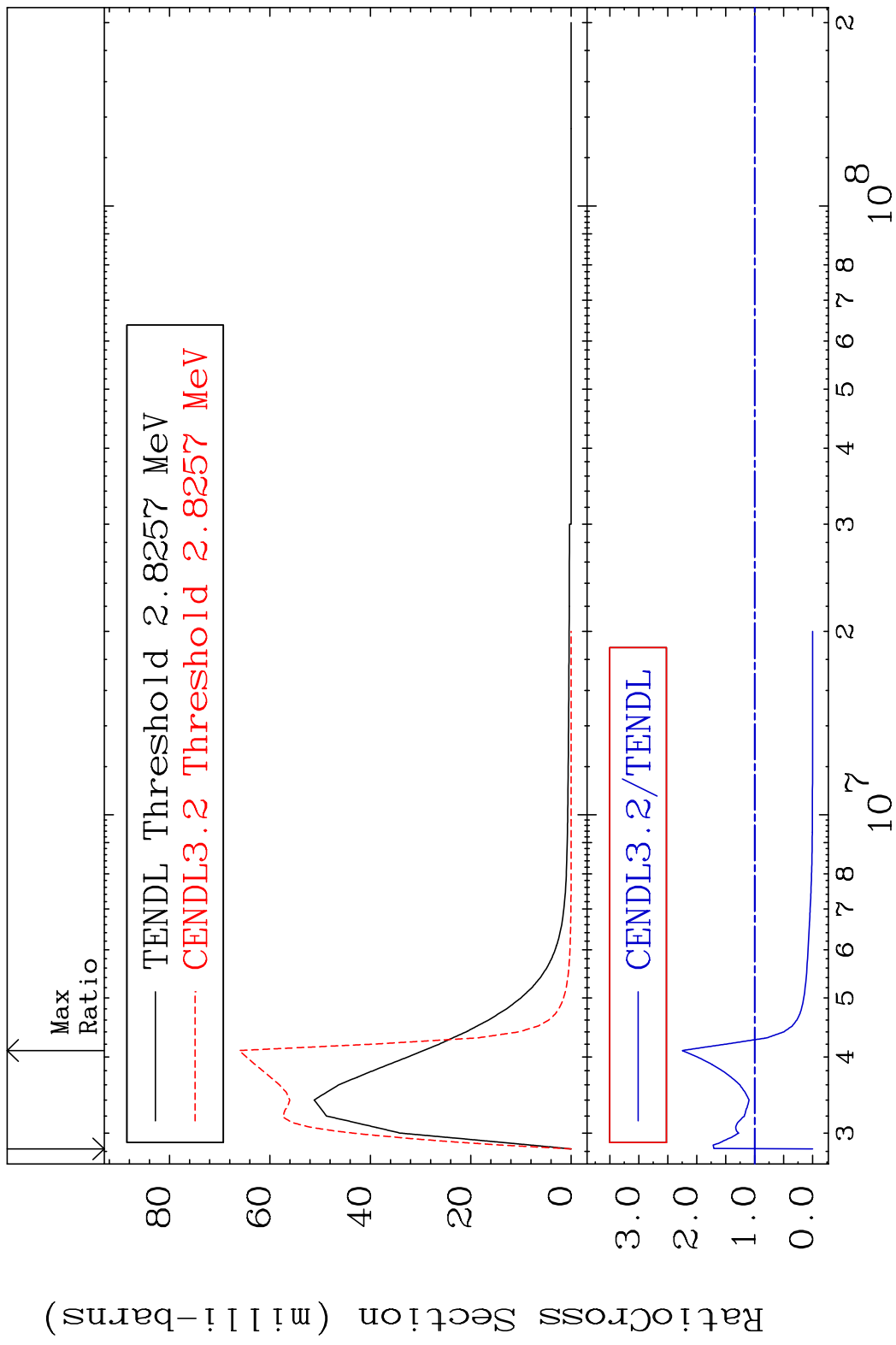
Incident Energy (eV)

50-Sn-116

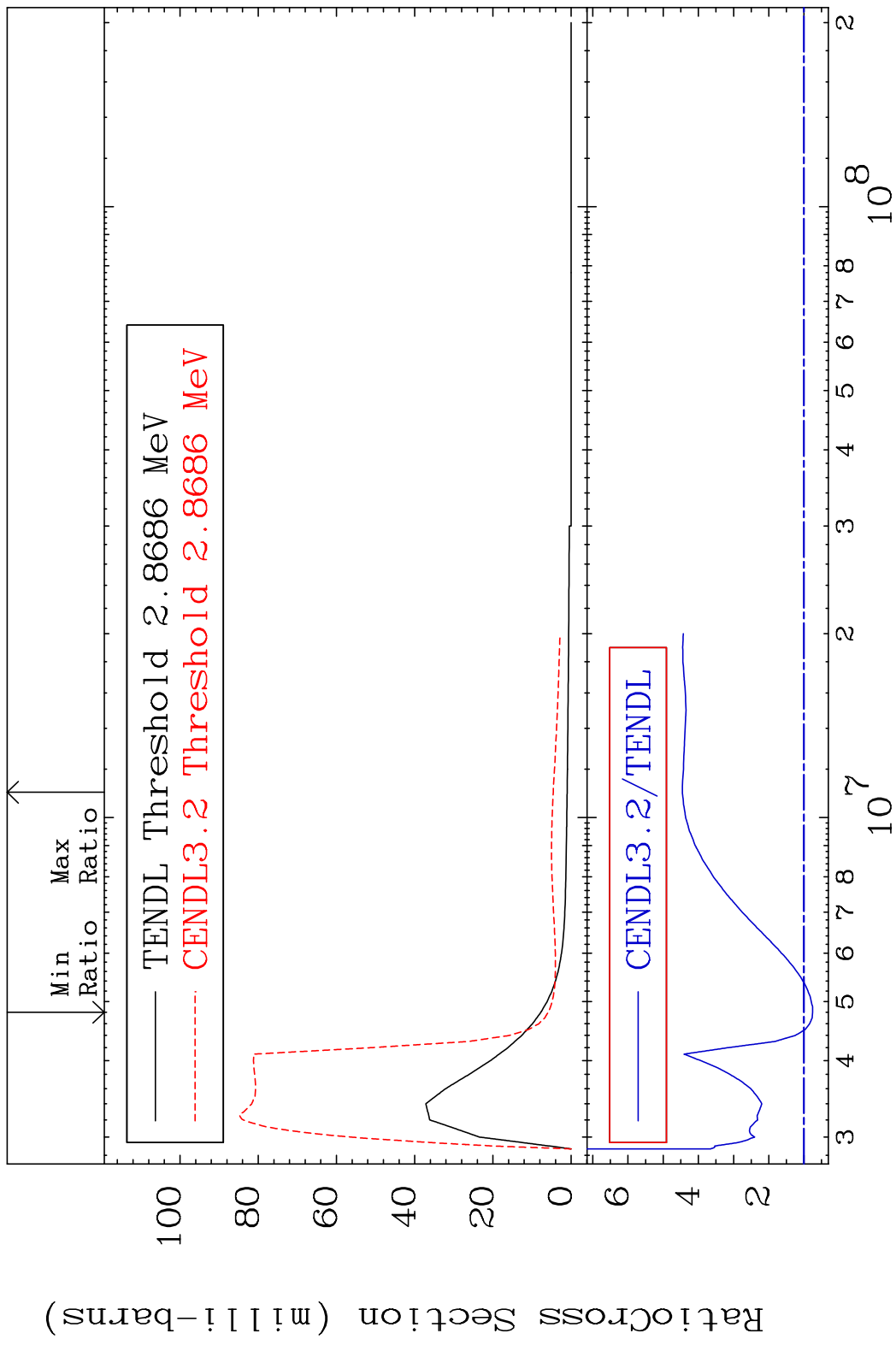
MAT 5037 MT= 64 (n,n') Level 50-Sn-116
 Cross Section -92.33 To 9999. %



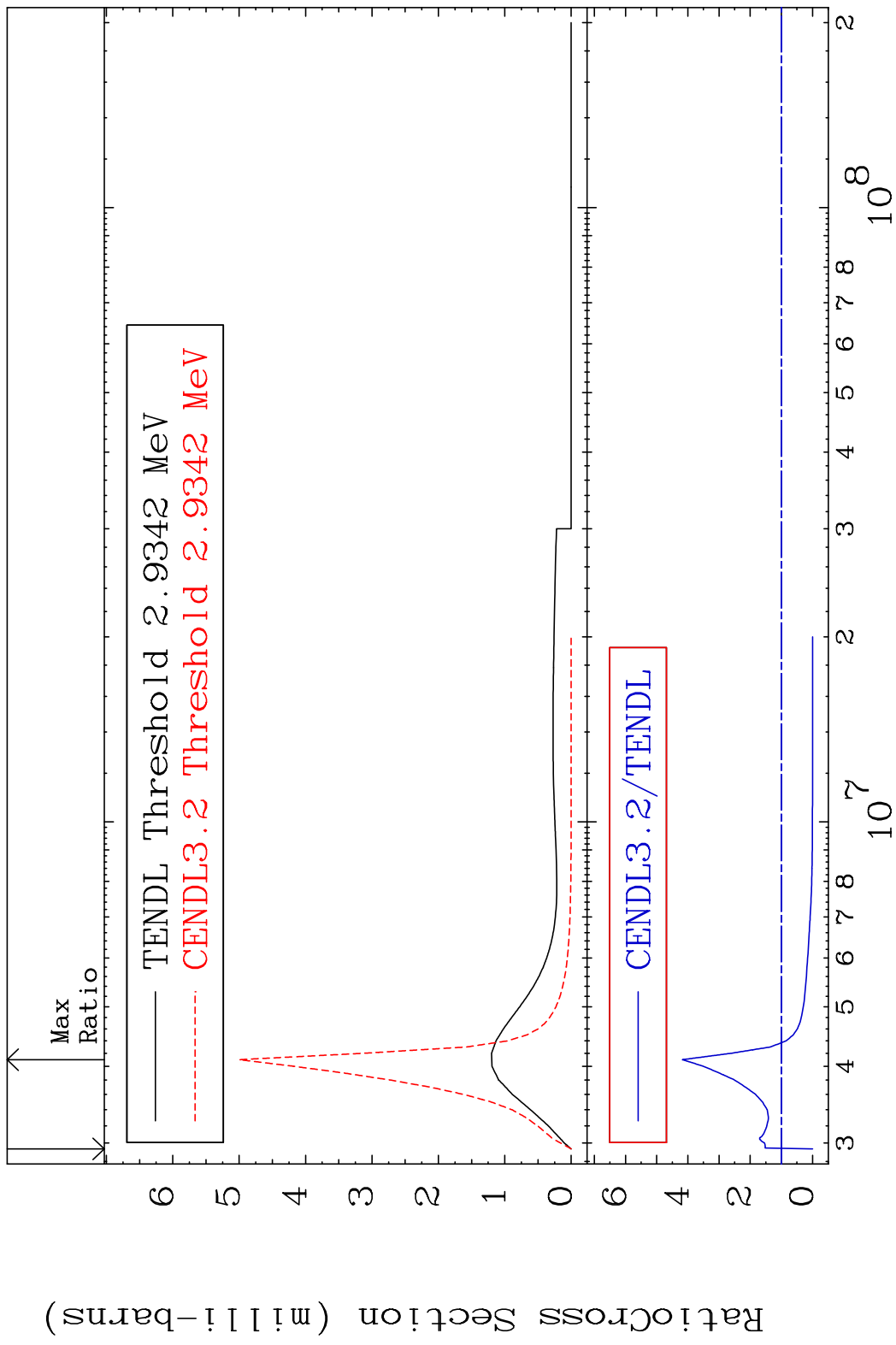
MAT 5037 MT= 65 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 124.7 %



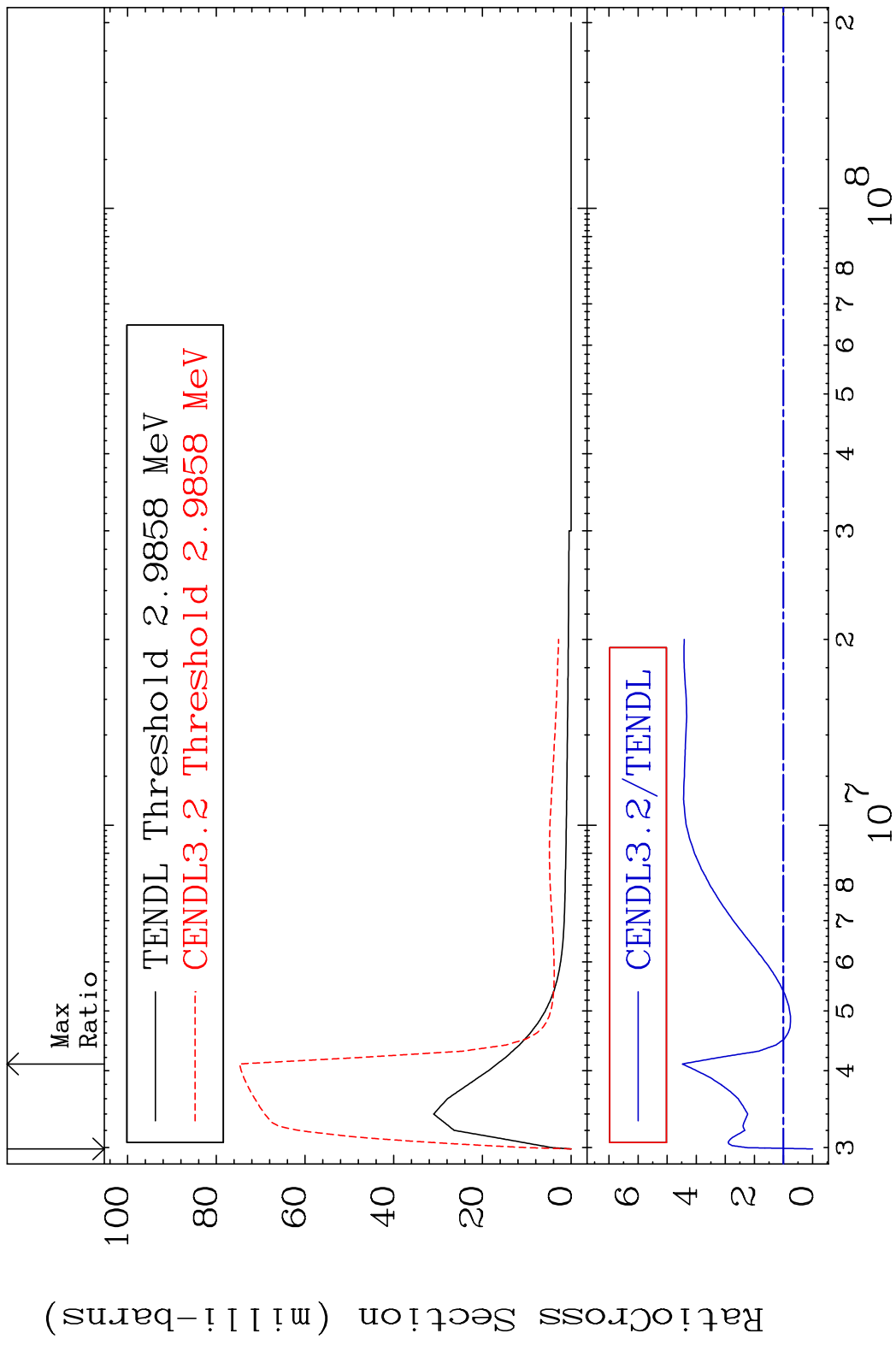
MAT 5037 MT= 66 (n,n') Level 50-Sn-116
 Cross Section -24.29 To 345.5 %



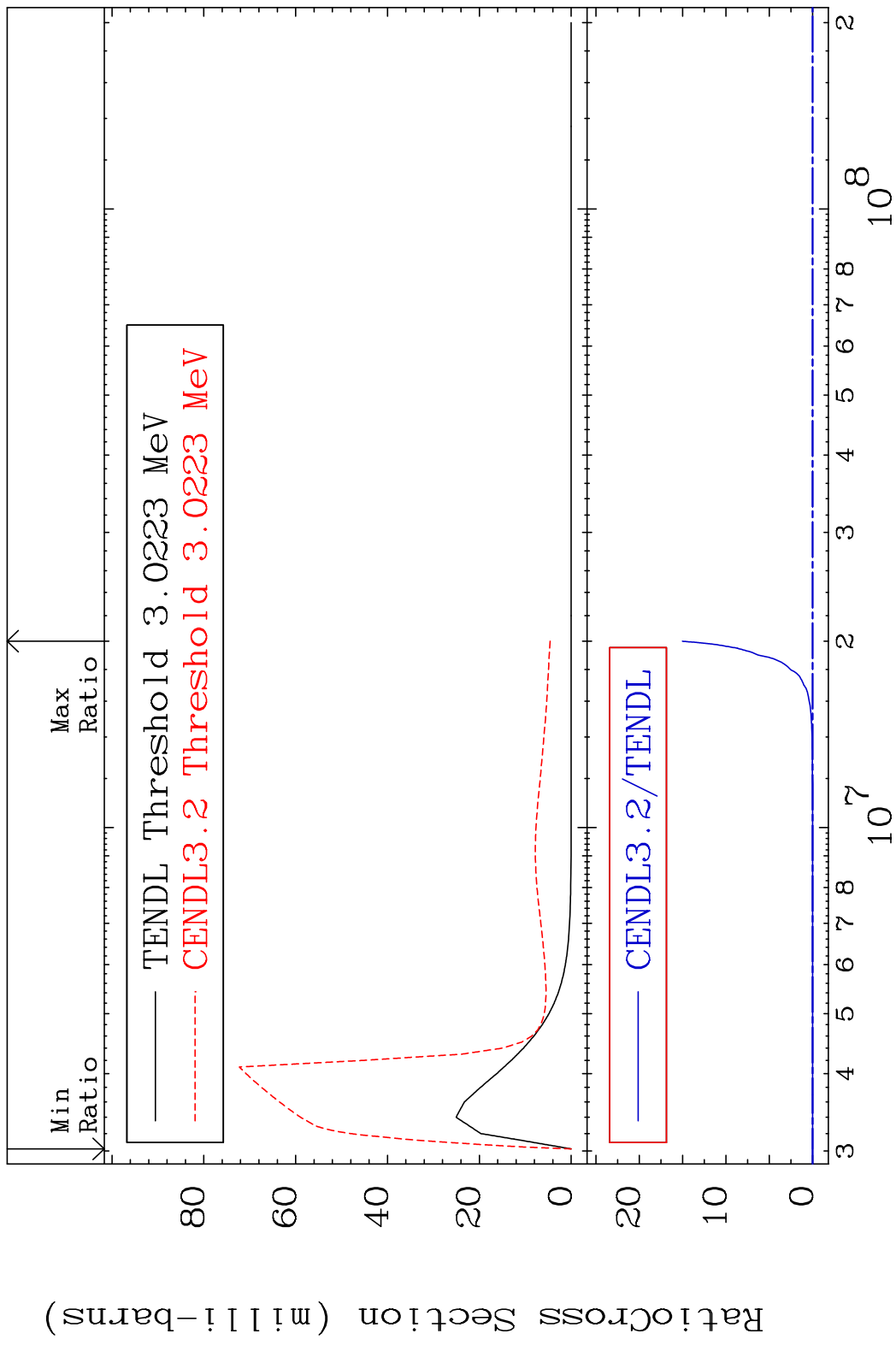
MAT 5037 MT= 67 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 317.6 %



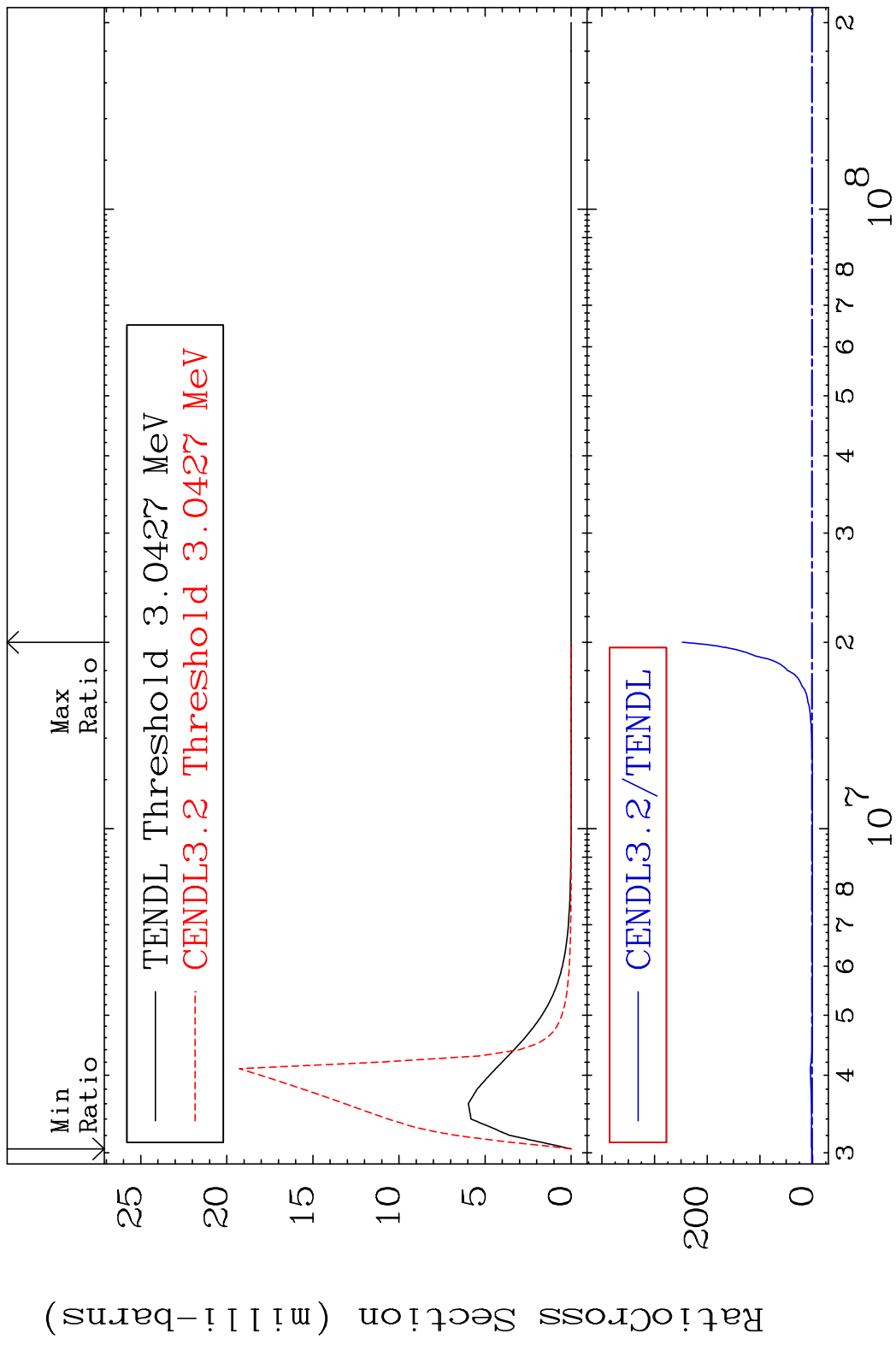
MAT 5037 MT= 68 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 347.8 %



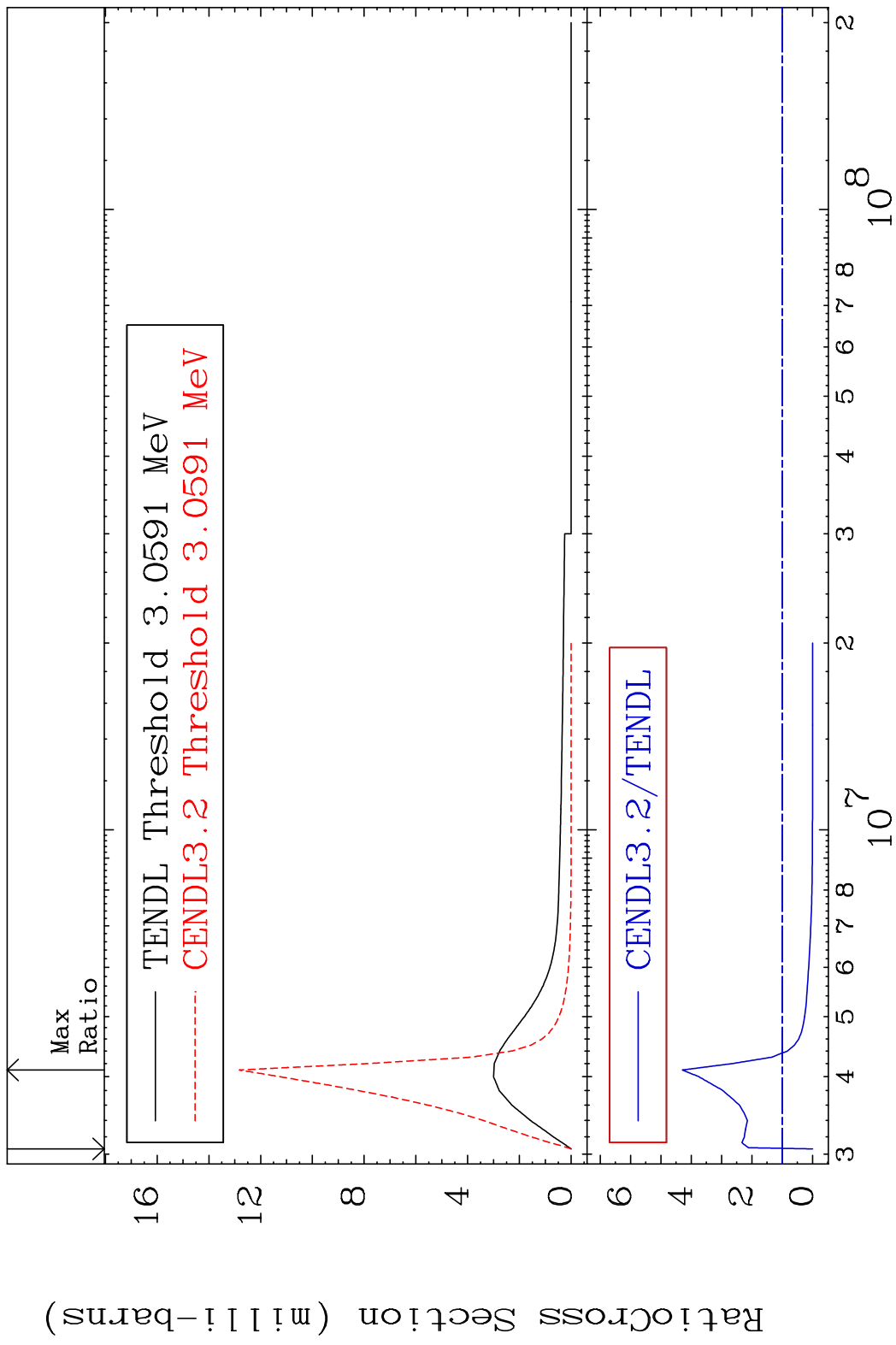
MAT 5037 MT= 69 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



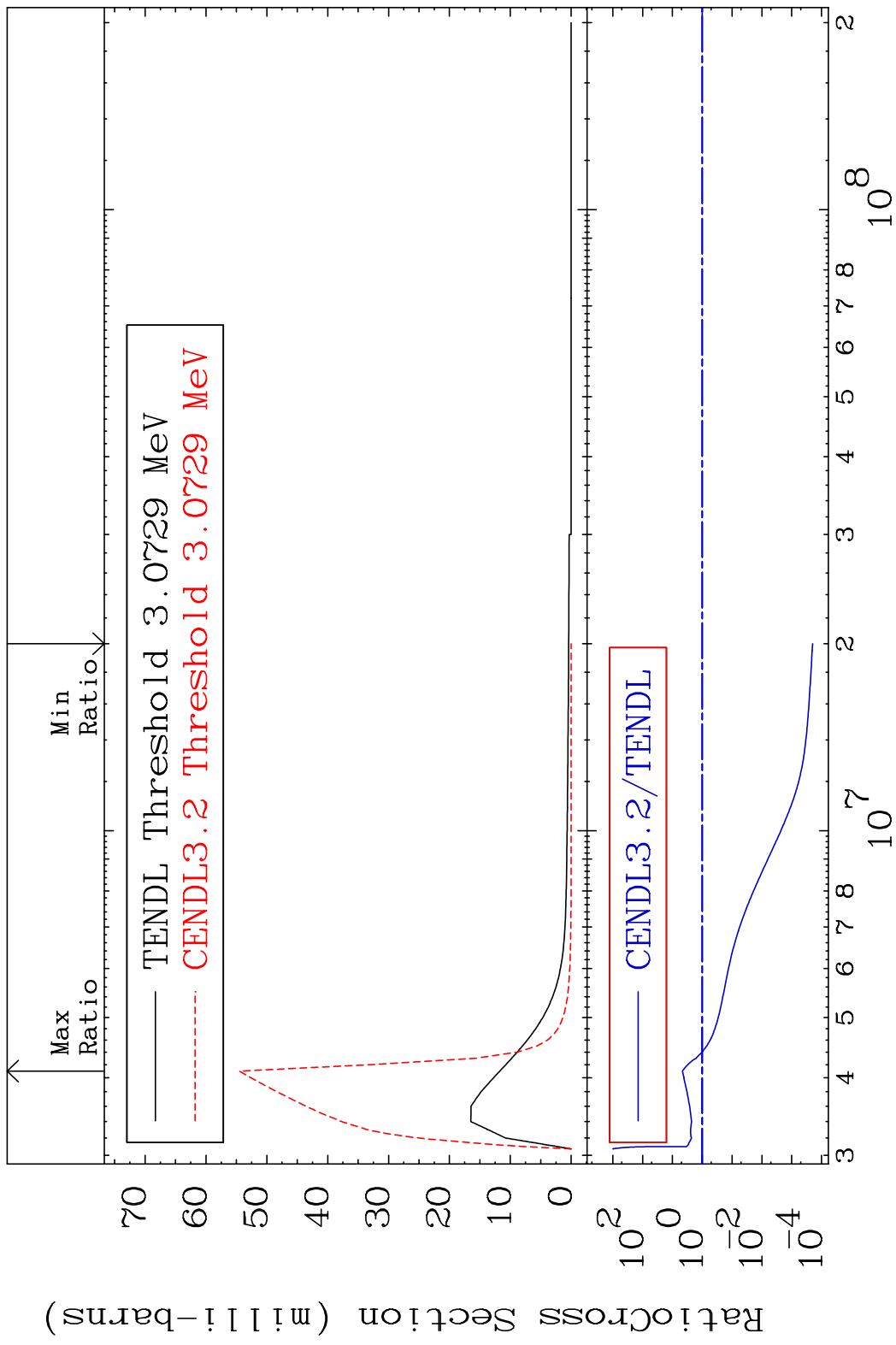
MAT 5037 MT= 70 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



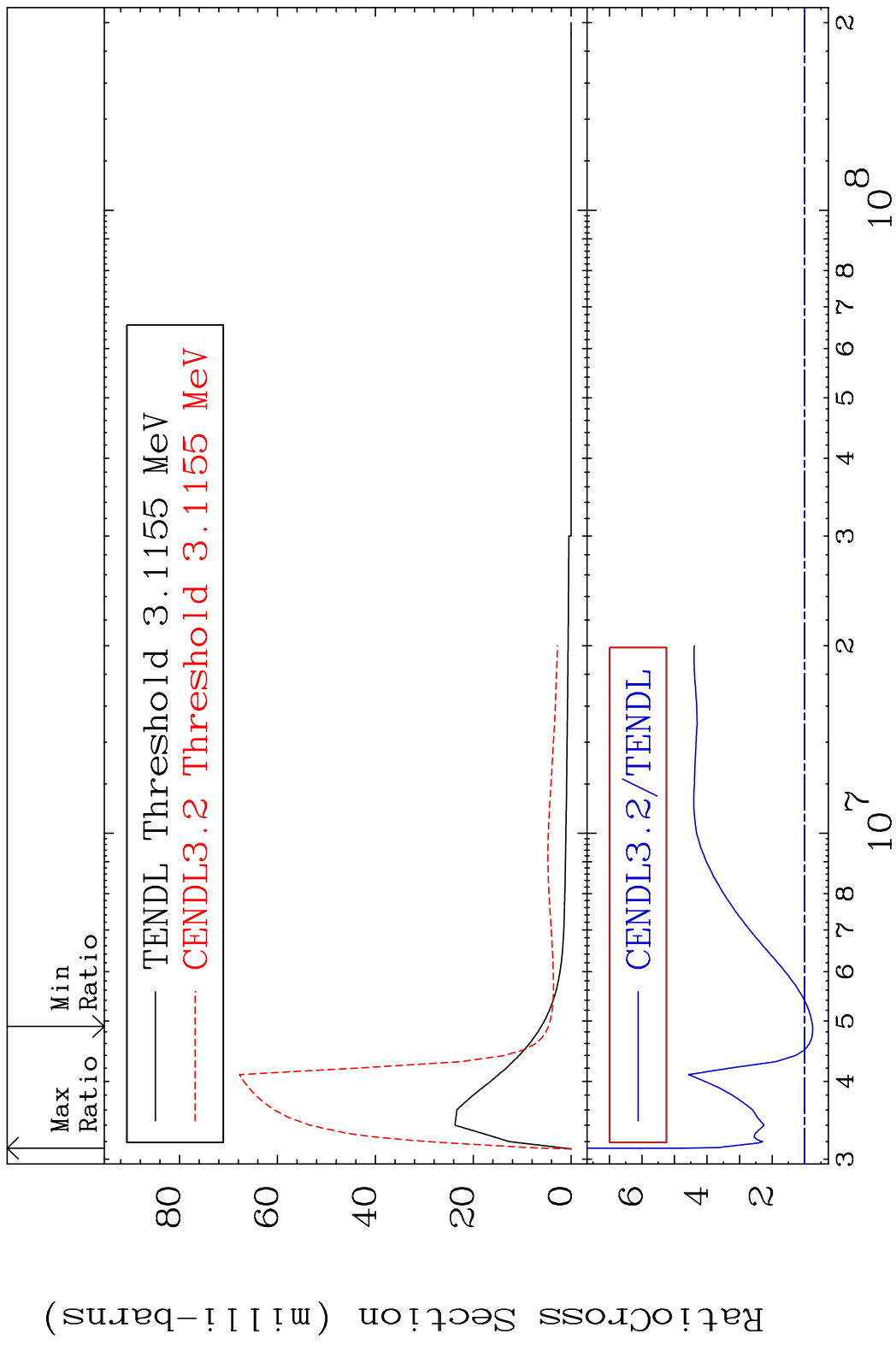
MAT 5037 MT= 71 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 329.4 %



MAT 5037 MT= 72 (n,n') Level 50-Sn-116
 Cross Section -99.98 To 364.5 %

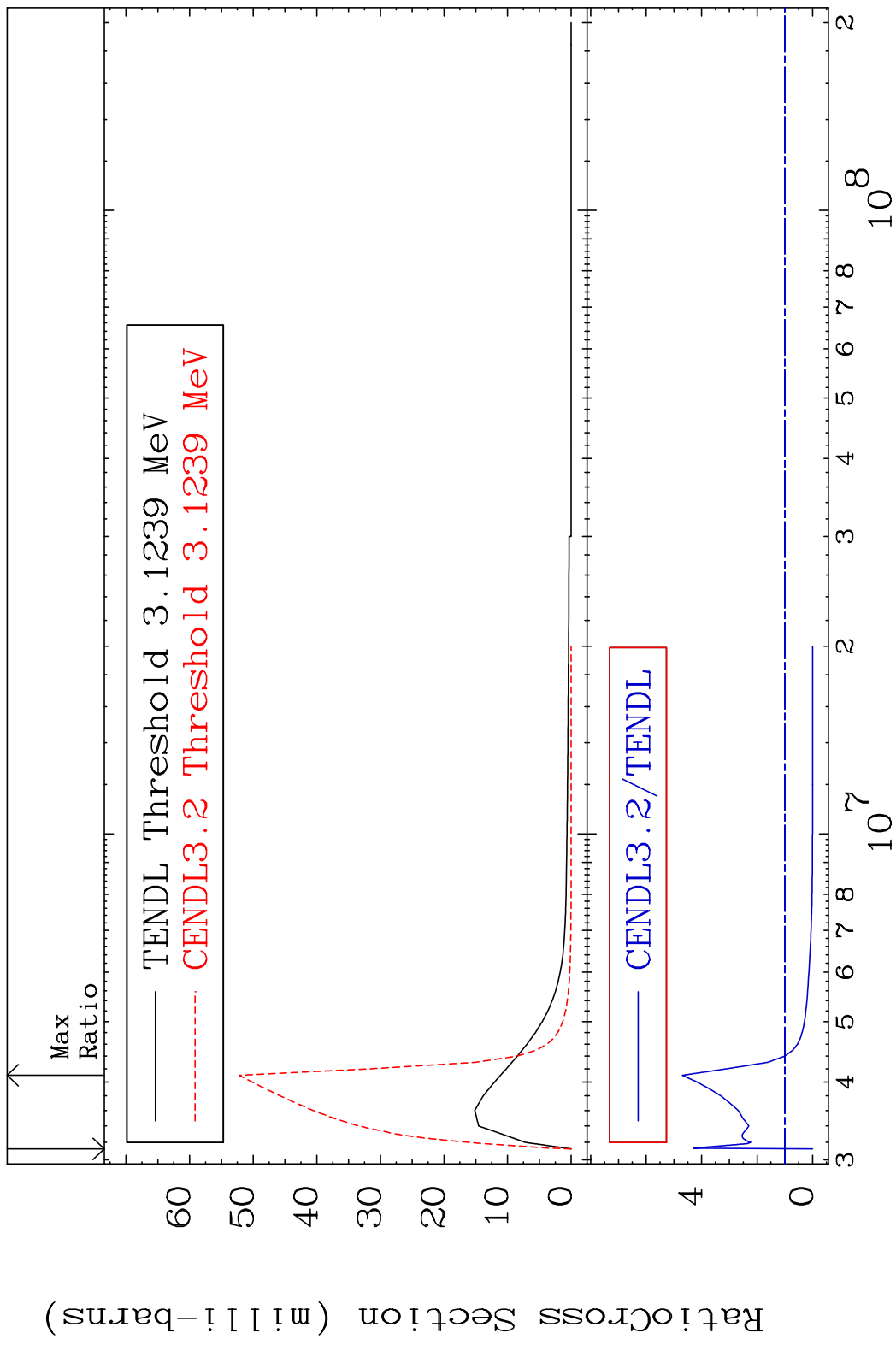


MAT 5037 MT= 73 (n, n') Level 50-Sn-116
 Cross Section -24.08 To 375.8 %

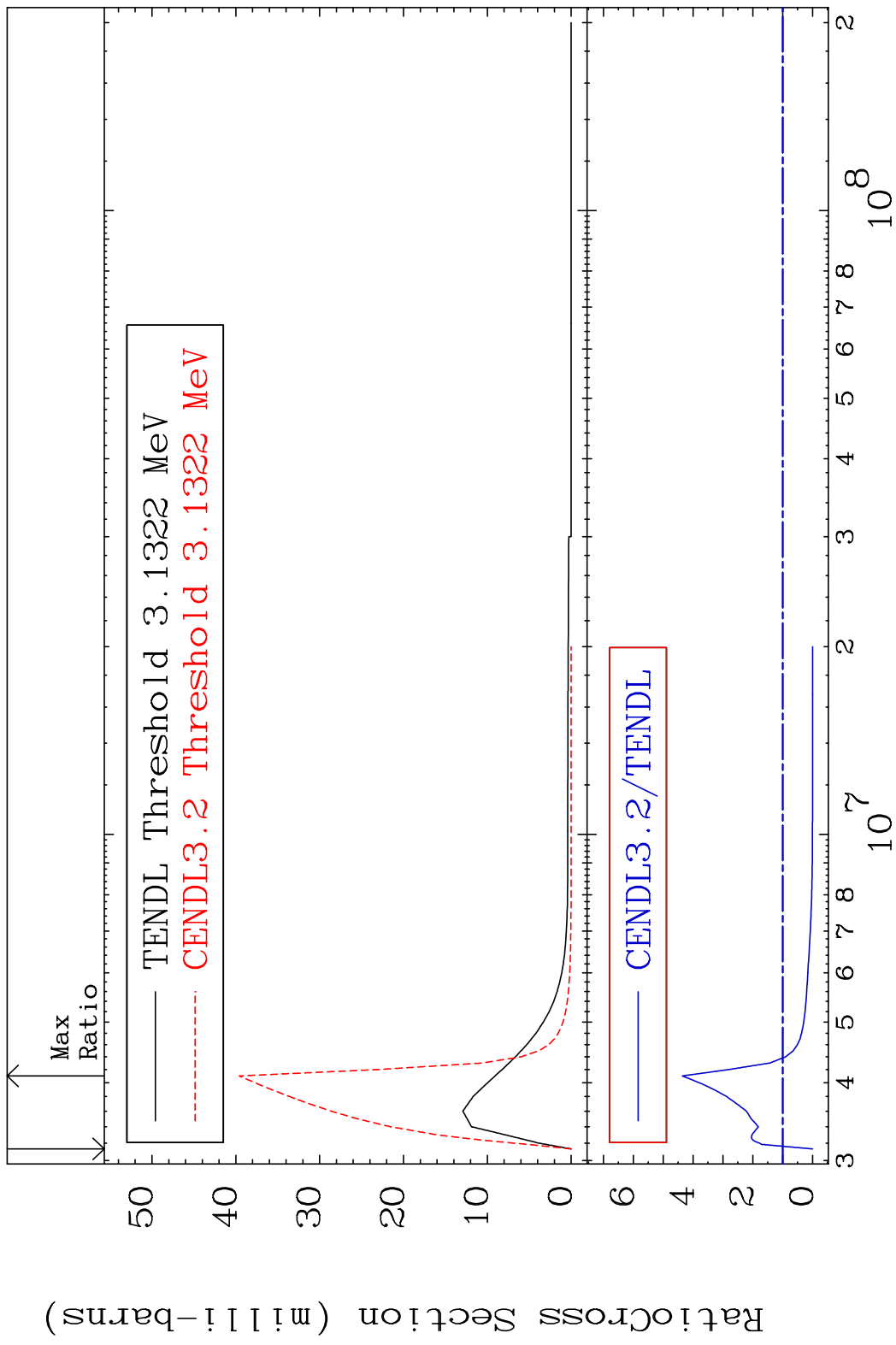


30 Incident Energy (eV) 50-Sn-116

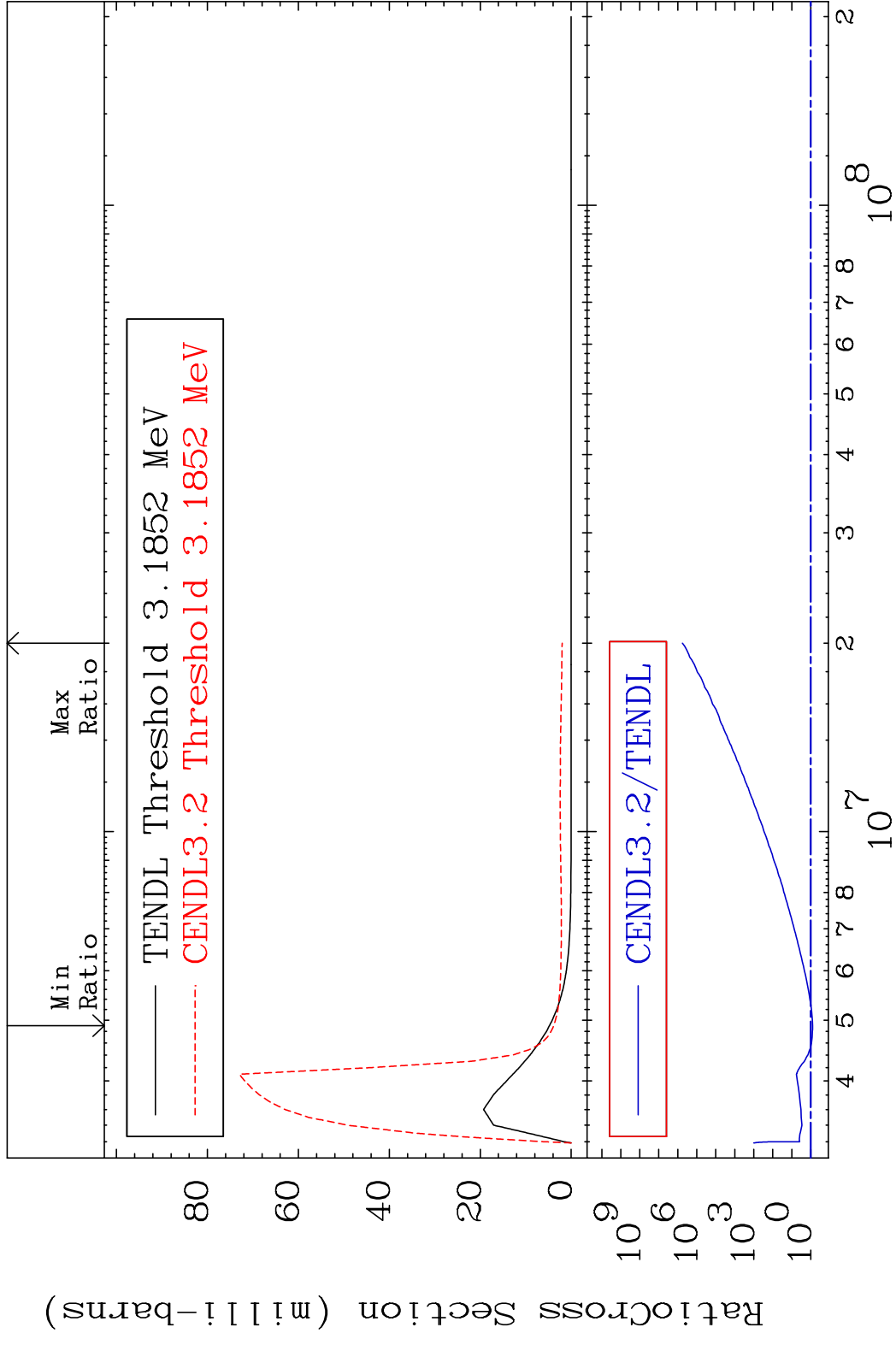
MAT 5037 MT= 74 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 369.5 %



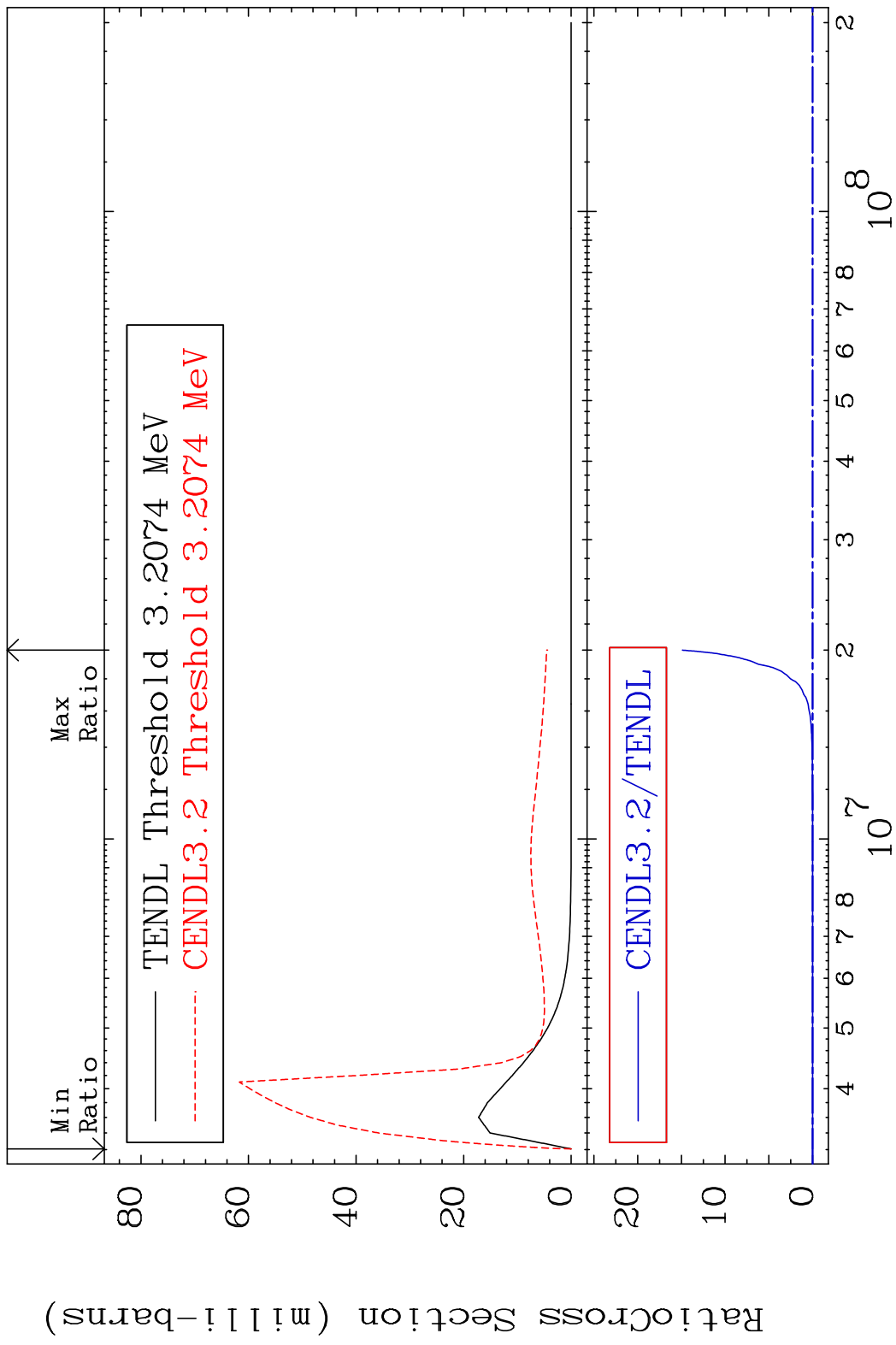
MAT 5037 MT= 75 (n, n') Level 50-Sn-116
 Cross Section -100.0 To 335.9 %



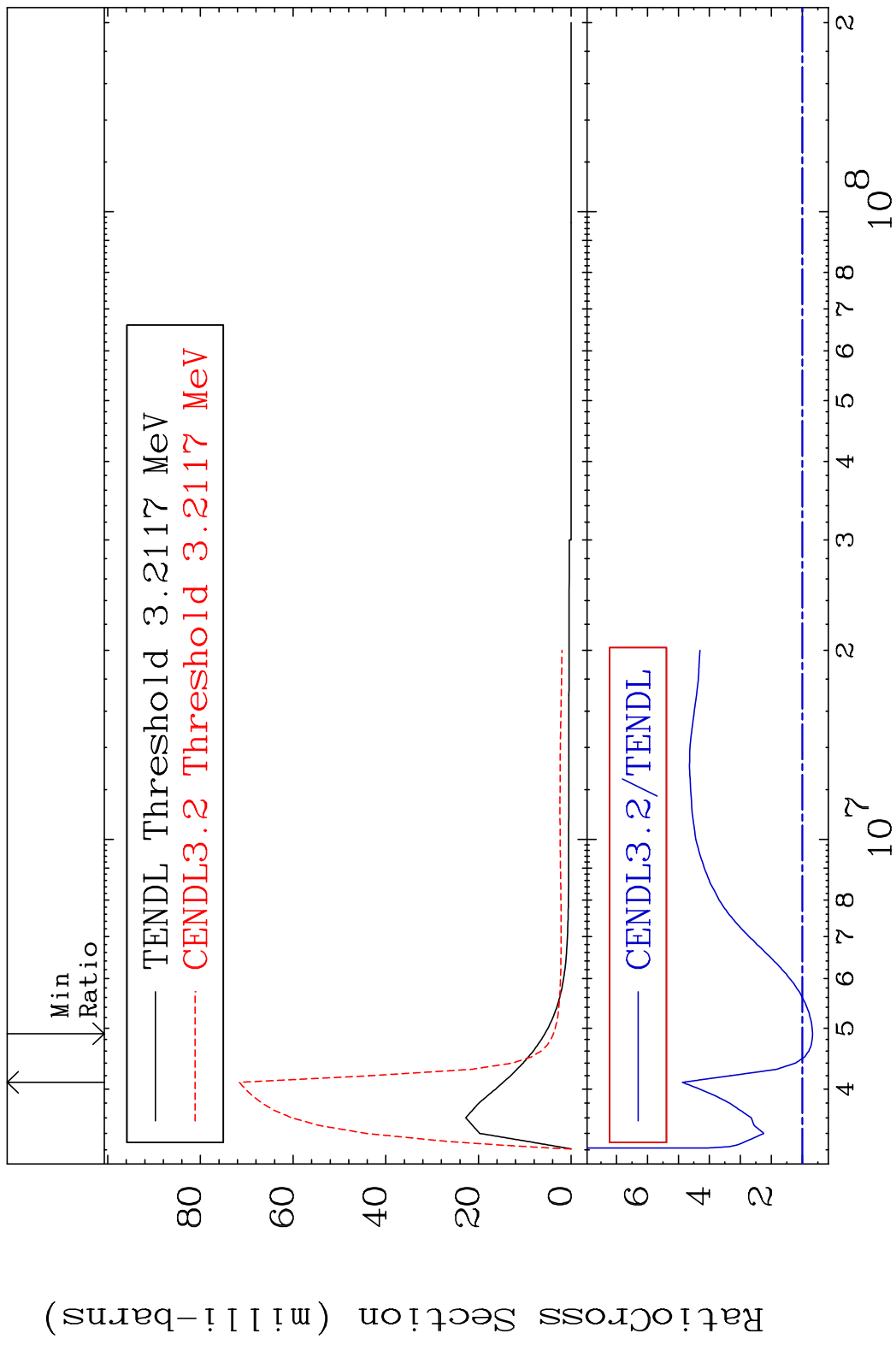
MAT 5037 MT= 76 (n,n') Level 50-Sn-116
 Cross Section -19.70 To 9999. %



MAT 5037 MT= 77 (n,n') Level 50-Sn-116
 Cross Section -100.0 To 9999. %



MAT 5037 MT= 78 (n,n') Level 50-Sn-116
 Cross Section -32.80 To 387.3 %

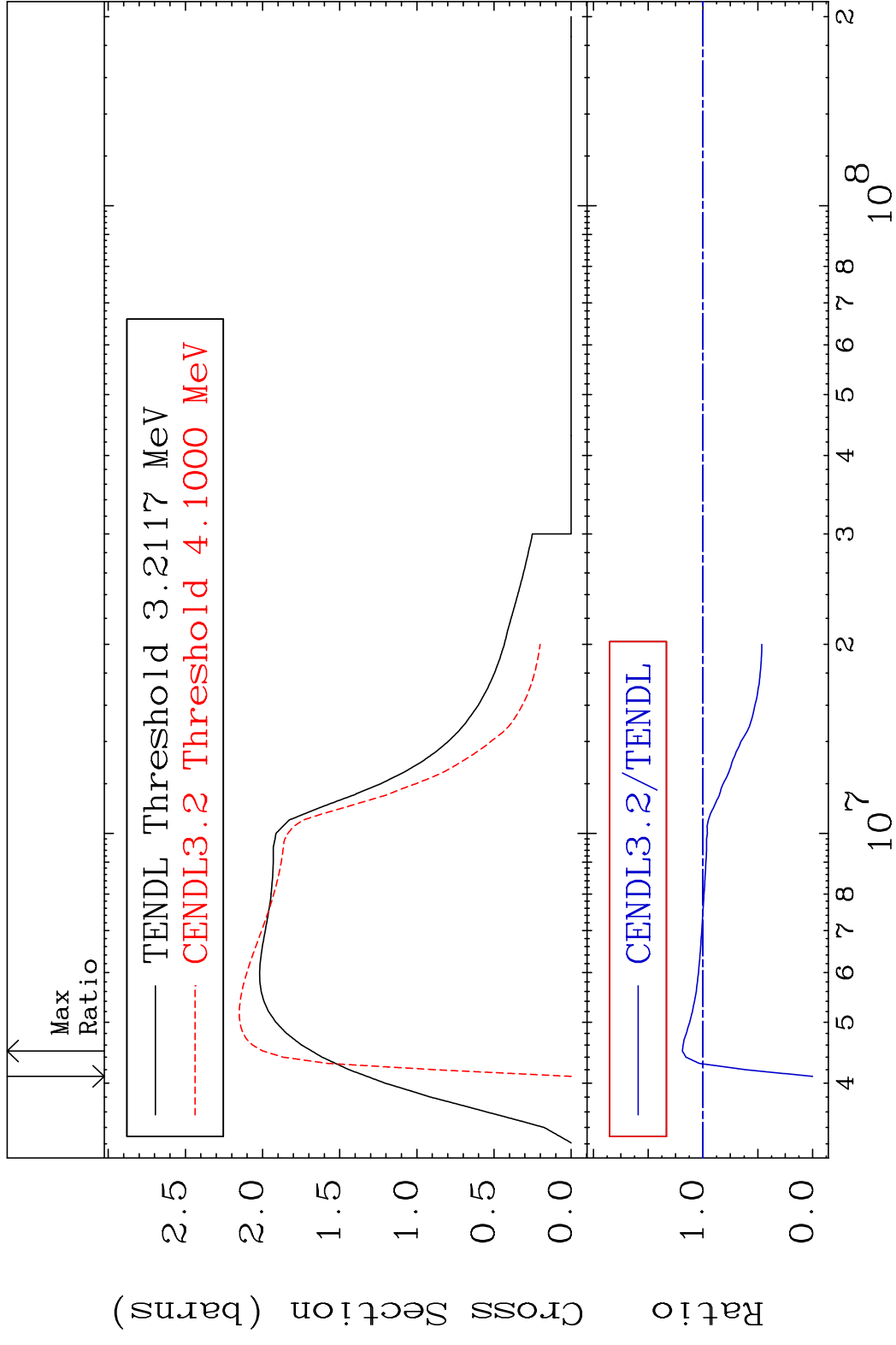


MAT 5037

(n,n') Continuum

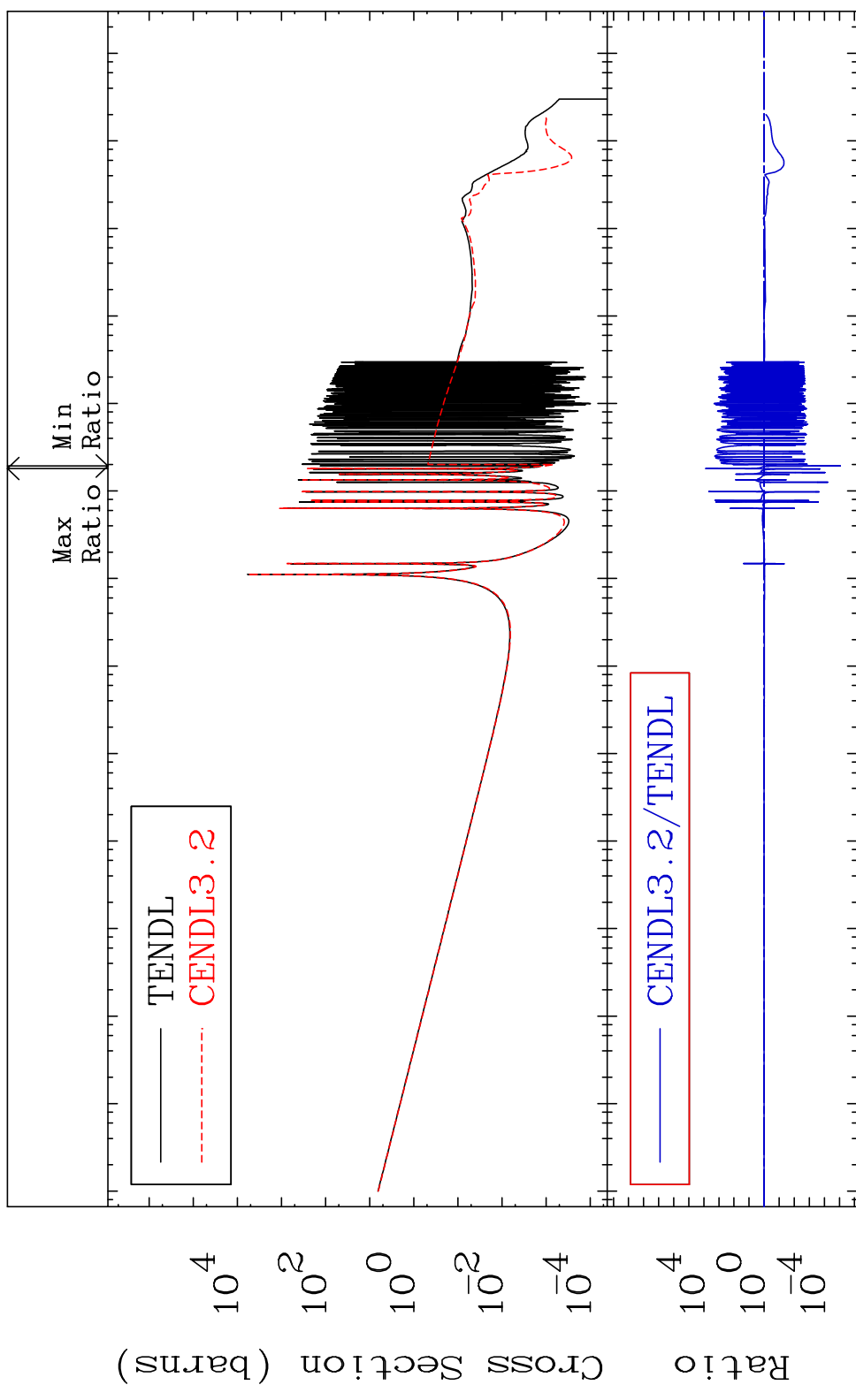
50-Sn-116

Cross Section -100.0 To 18.84 %



MAT 5037

(n, γ)
Cross Section -100.0 To 9999. %
50-Sn-116



37

Incident Energy (eV)

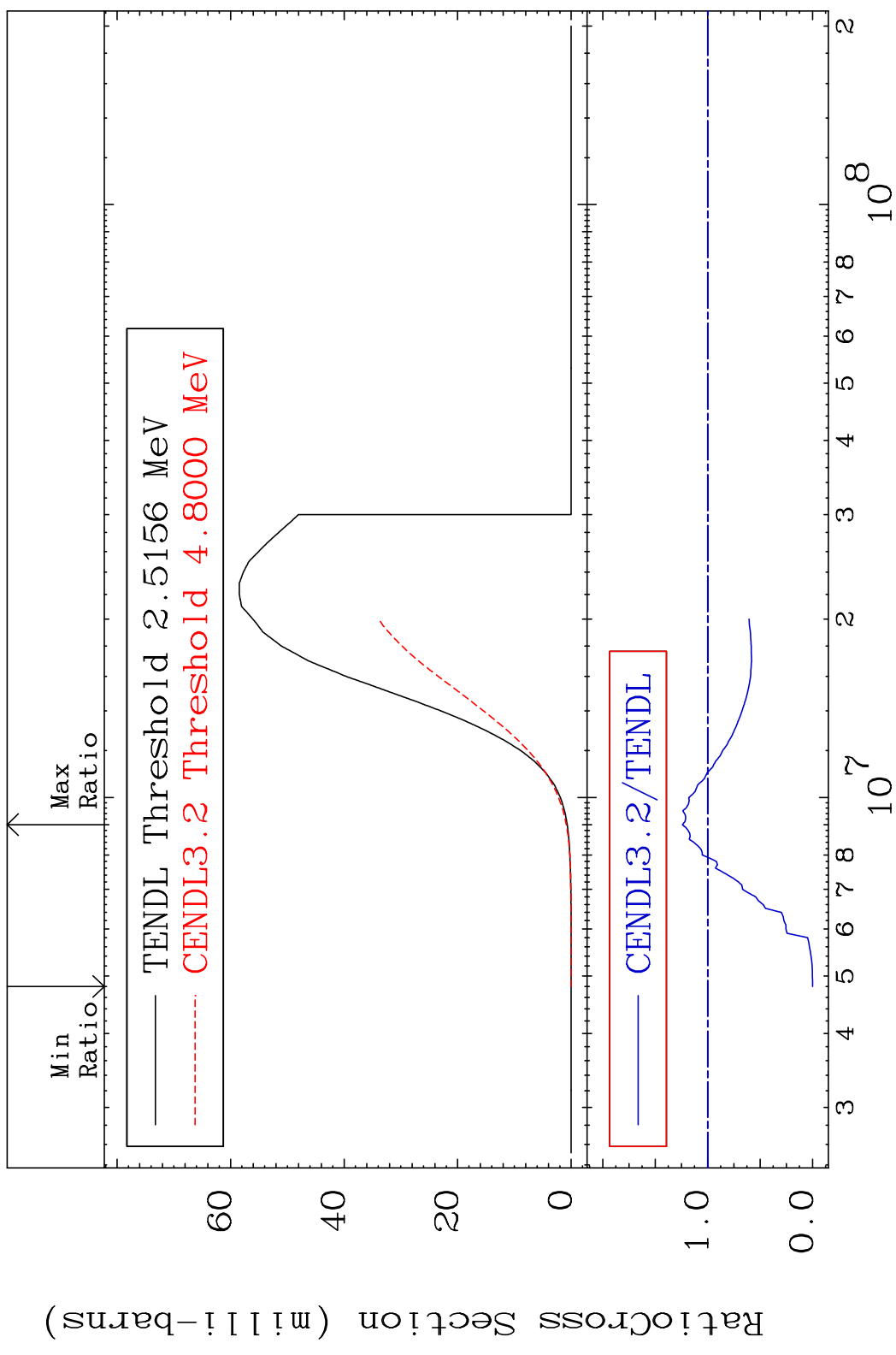
50-Sn-116

MAT 5037

(n,p)

50-Sn-116

Cross Section -100.0 To 24.08 %

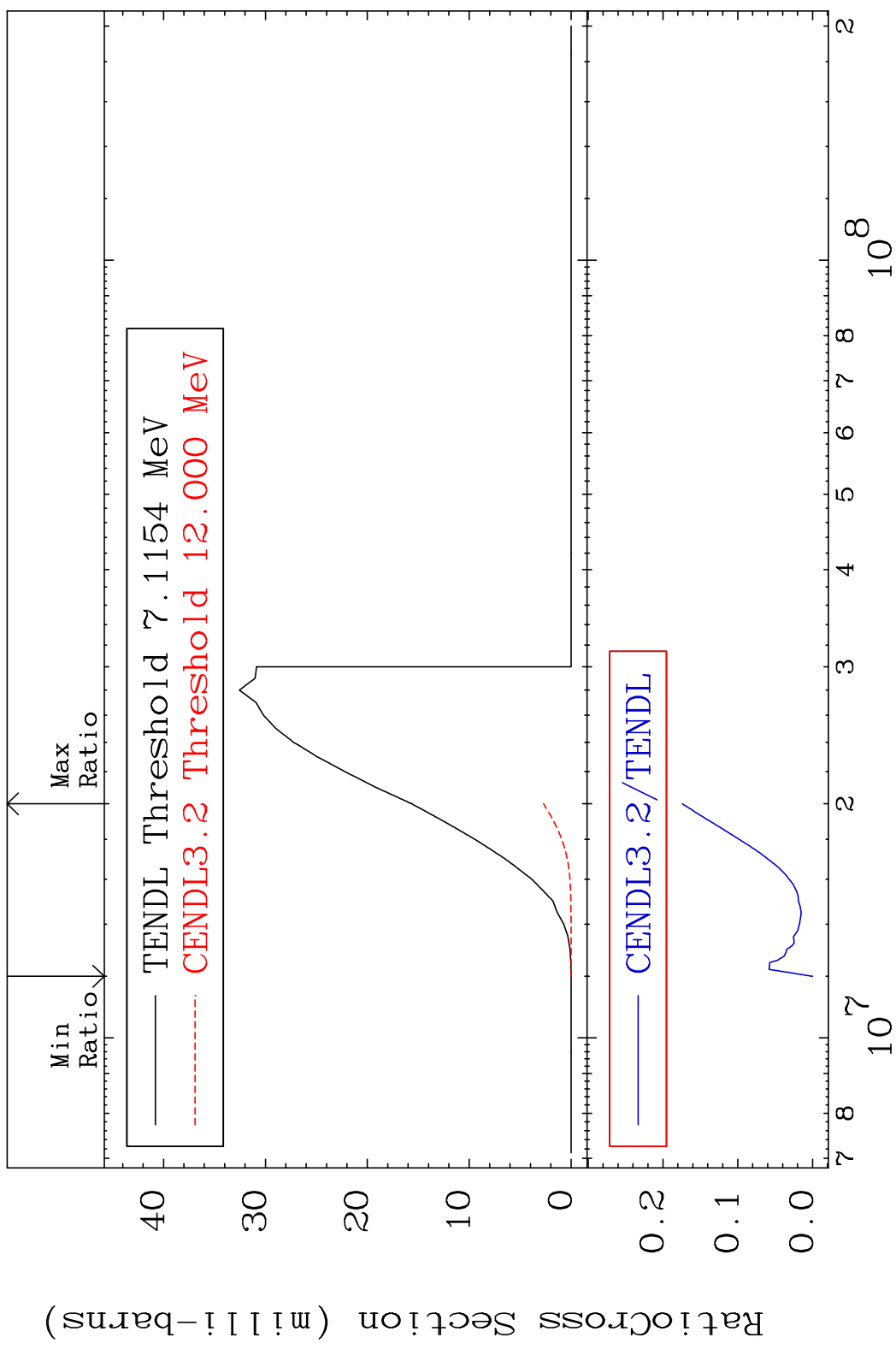


MAT 5037

(n,d)

50-Sn-116

Cross Section -100.0 To -82.60%



39

Incident Energy (eV)

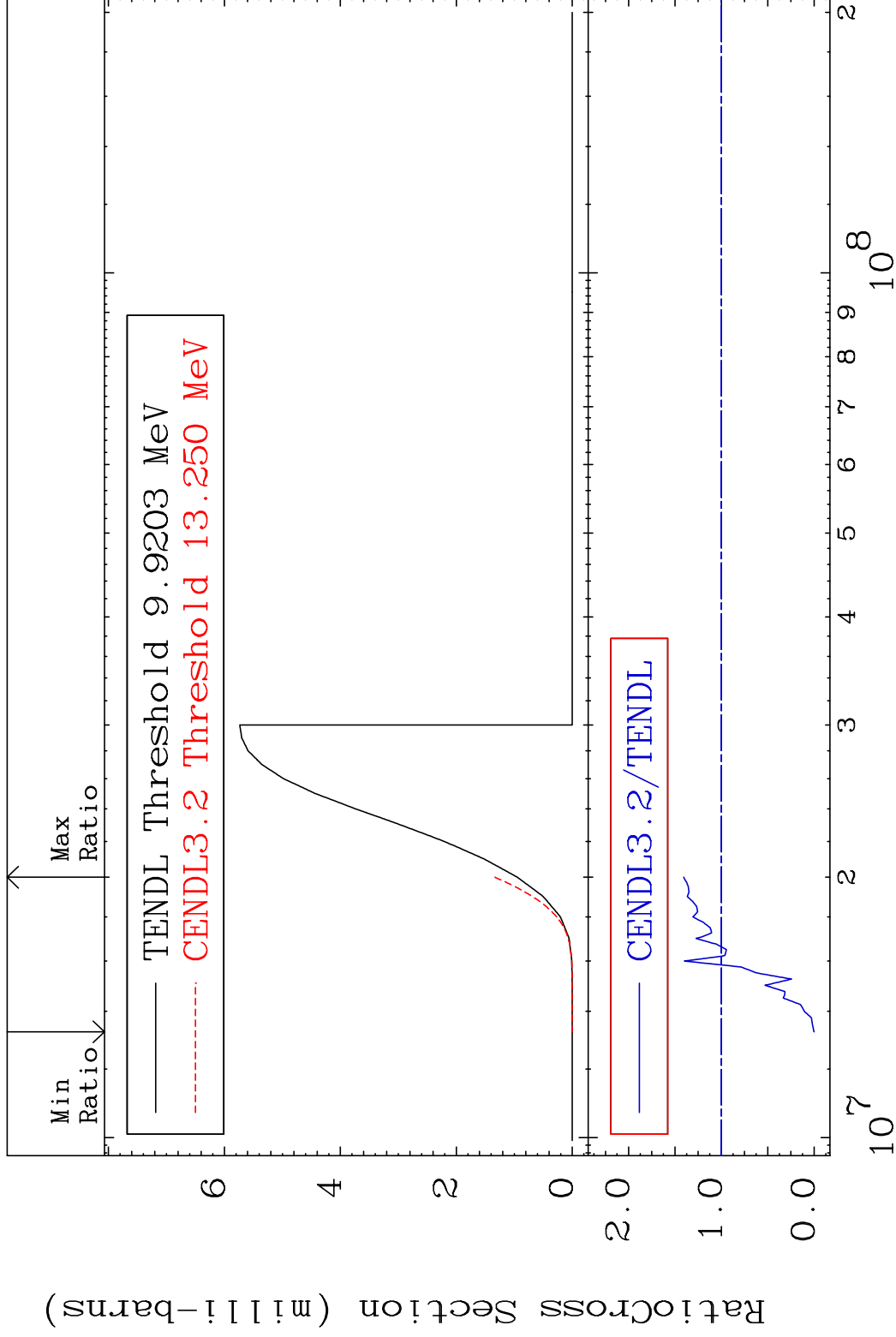
50-Sn-116

MAT 5037

(n, t)

50-Sn-116

Cross Section -100.0 To 40.67 %



40

Incident Energy (eV)

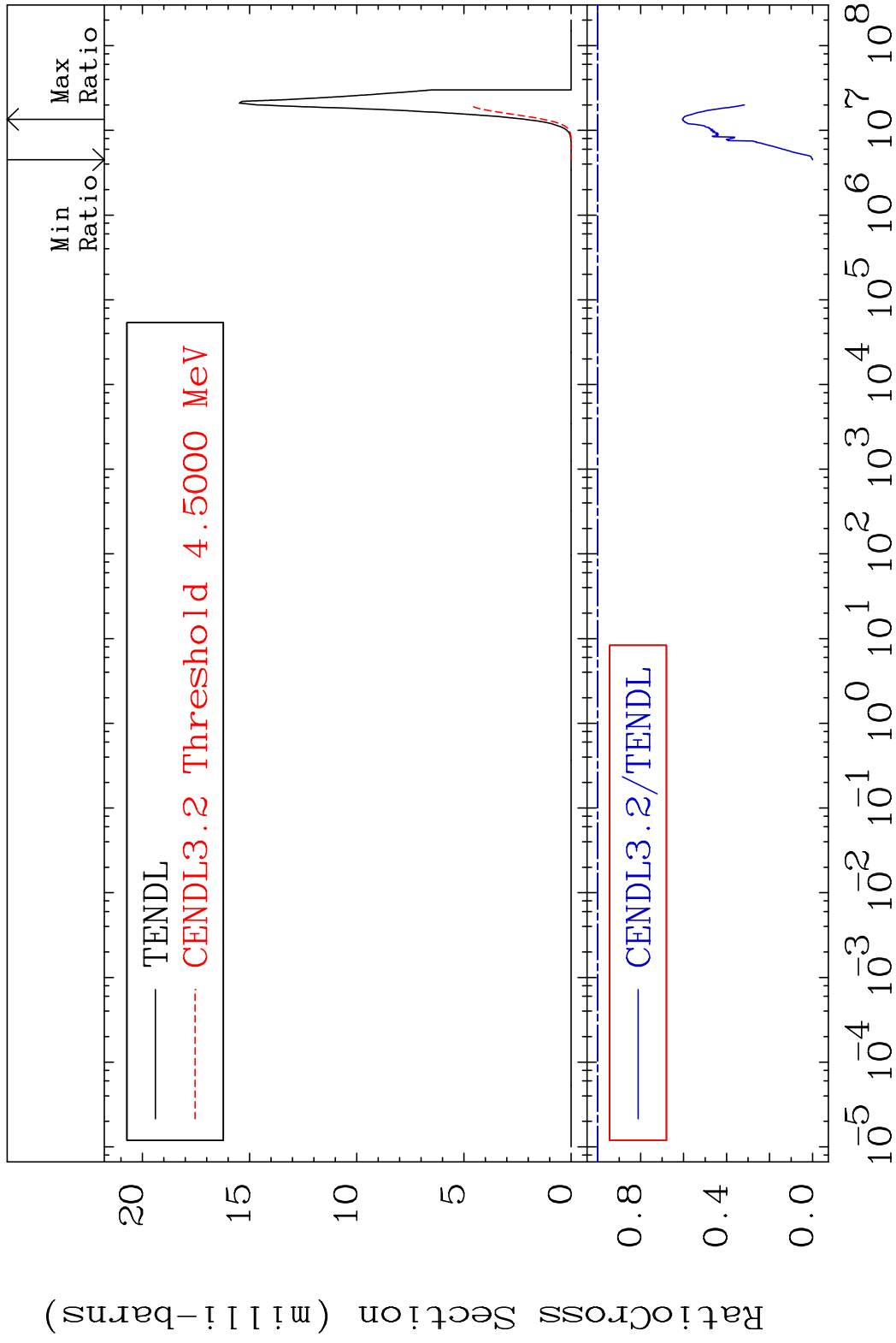
50-Sn-116

MAT 5037

(n, α)

50-Sn-116

Cross Section -100.0 To -39.43%



41

Incident Energy (eV)

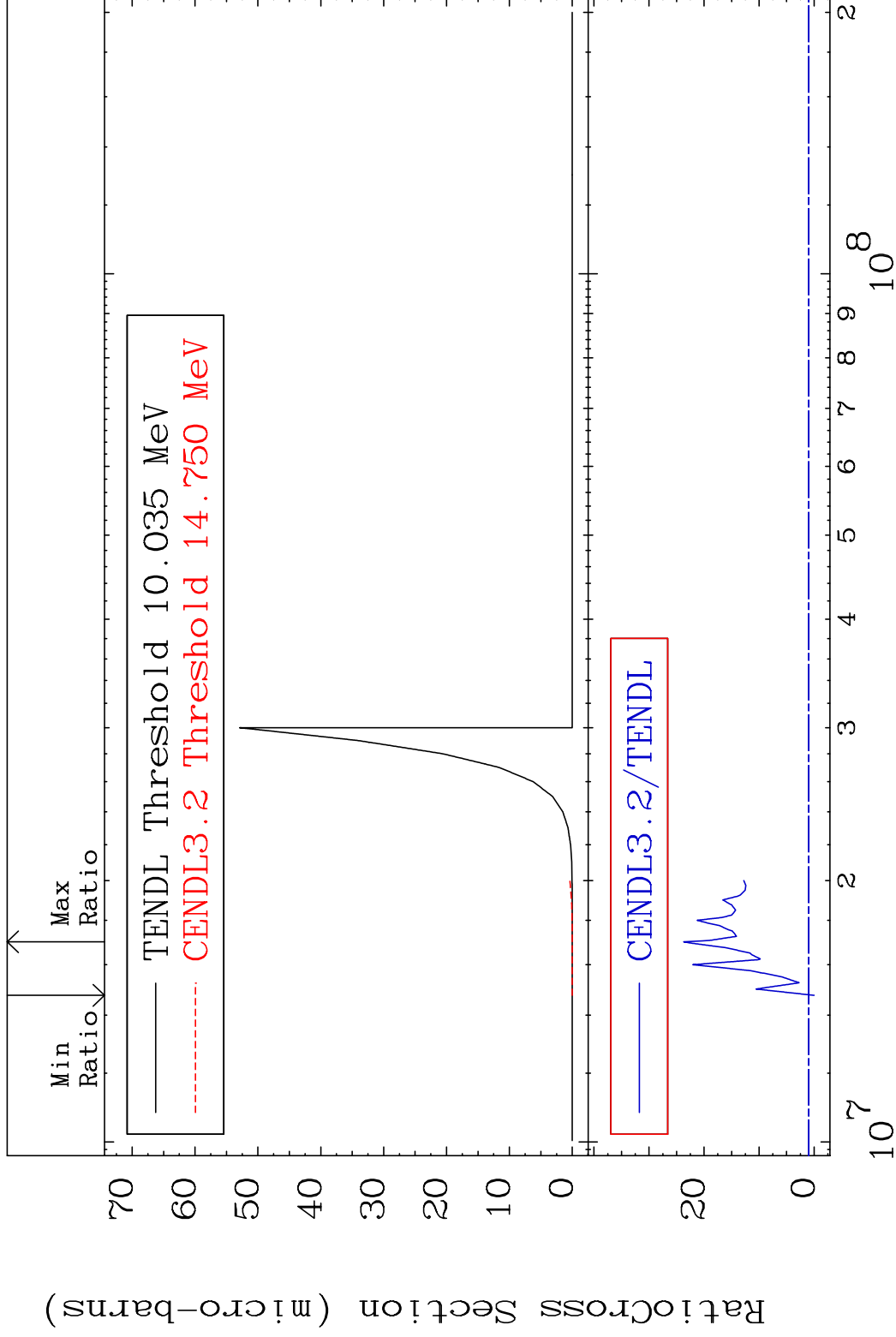
50-Sn-116

MAT 5037

(n,2p)

50-Sn-116

Cross Section -100.0 To 2271. %

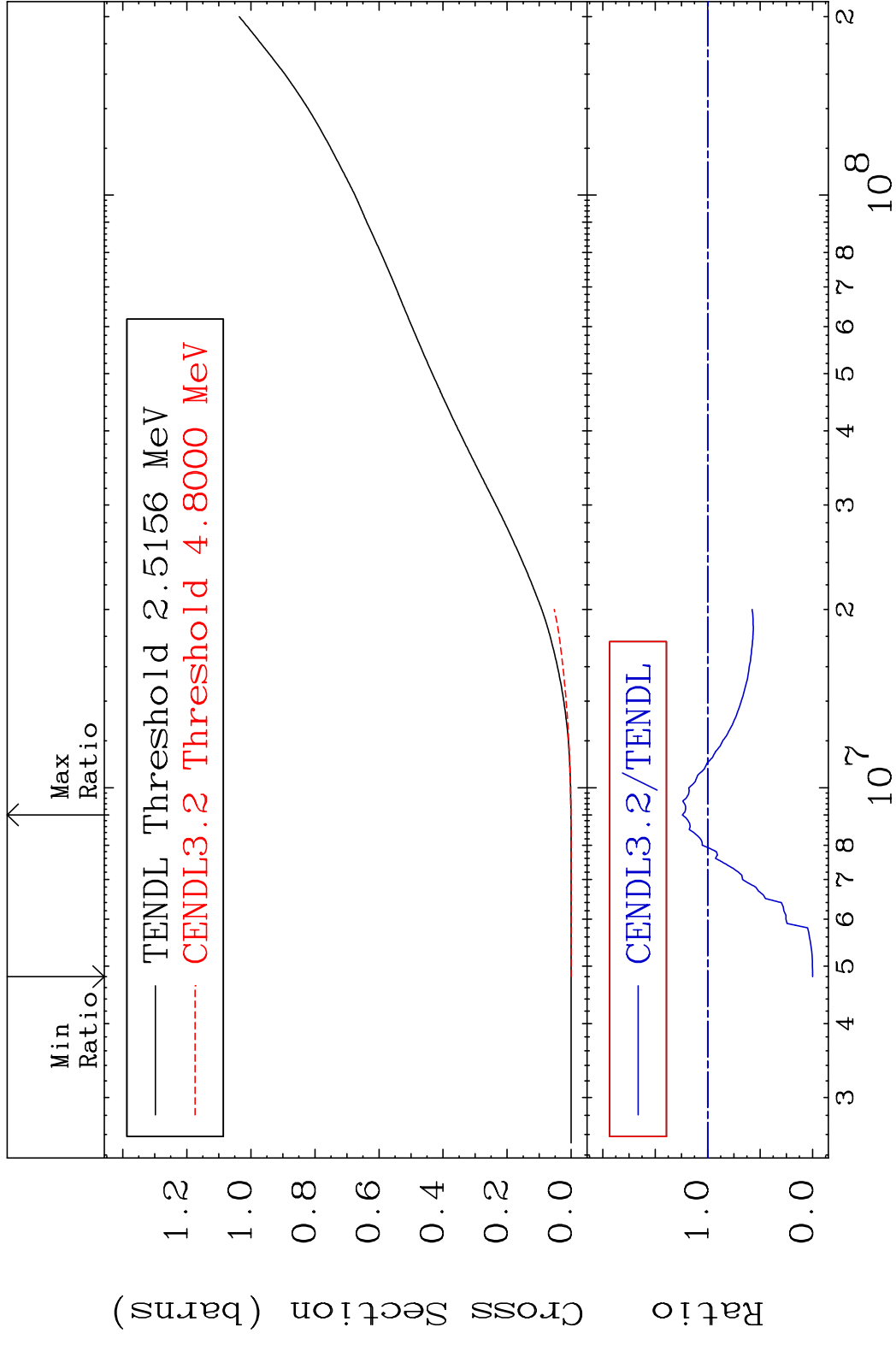


42

Incident Energy (eV)

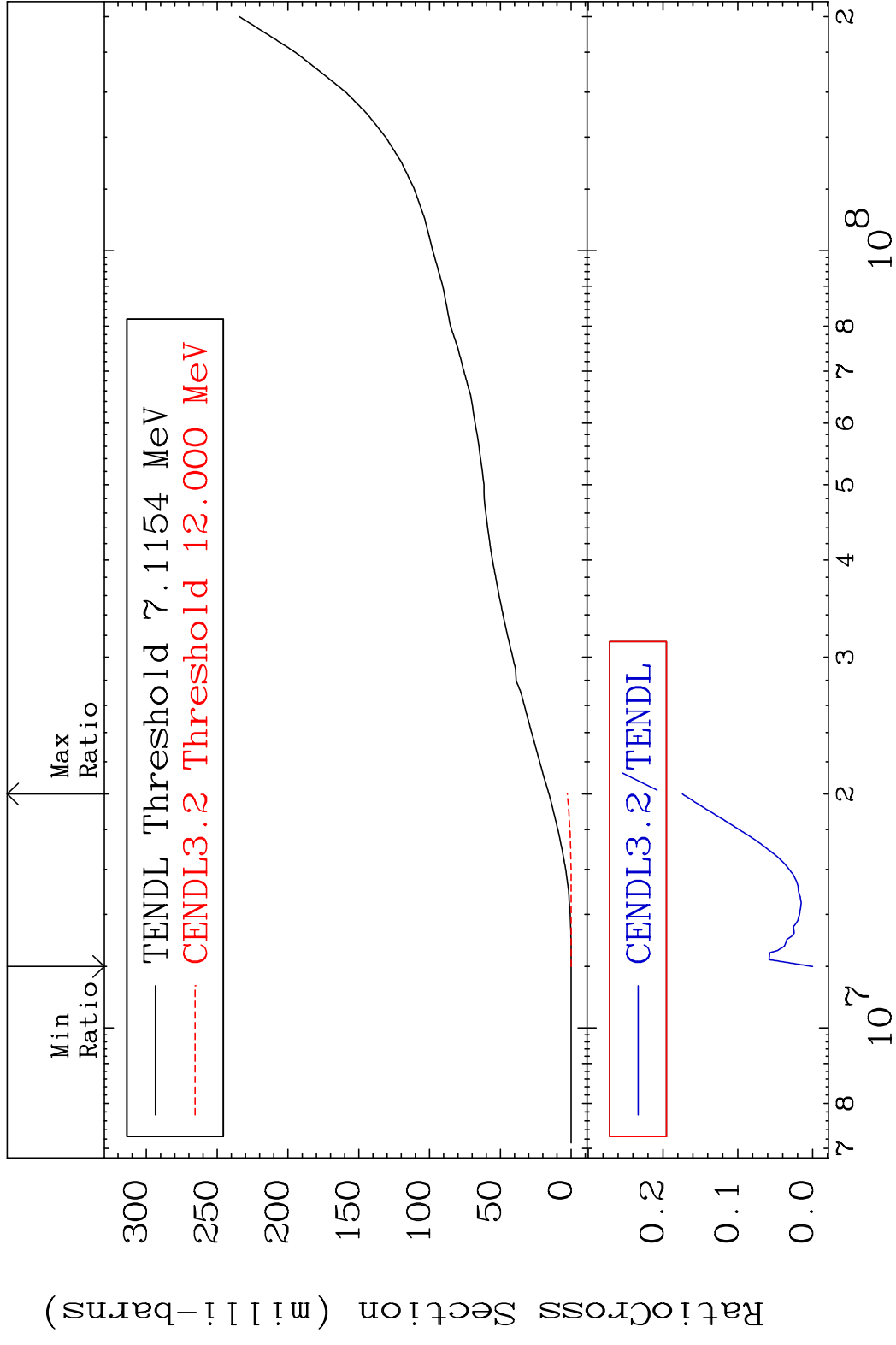
50-Sn-116

MAT 5037 Hydrogen Production 50-Sn-116
 Cross Section -100.0 To 24.08 %



MAT 5037

Deuterium Production 50-Sn-116
Cross Section -100.0 To -82.60%



44

Incident Energy (eV)

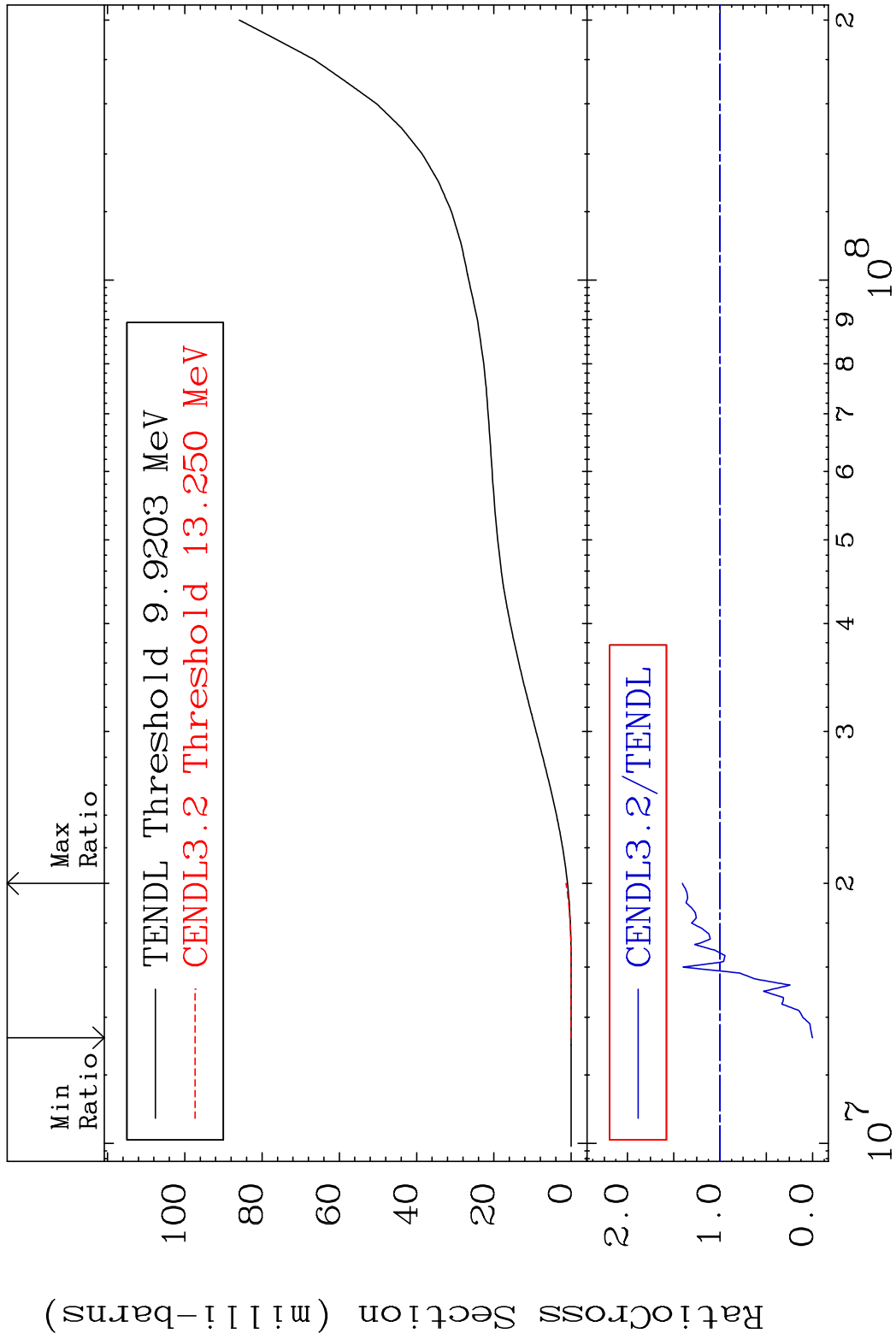
50-Sn-116

MAT 5037

Tritium Production

50-Sn-116

Cross Section -100.0 To 40.67 %



45

Incident Energy (eV)

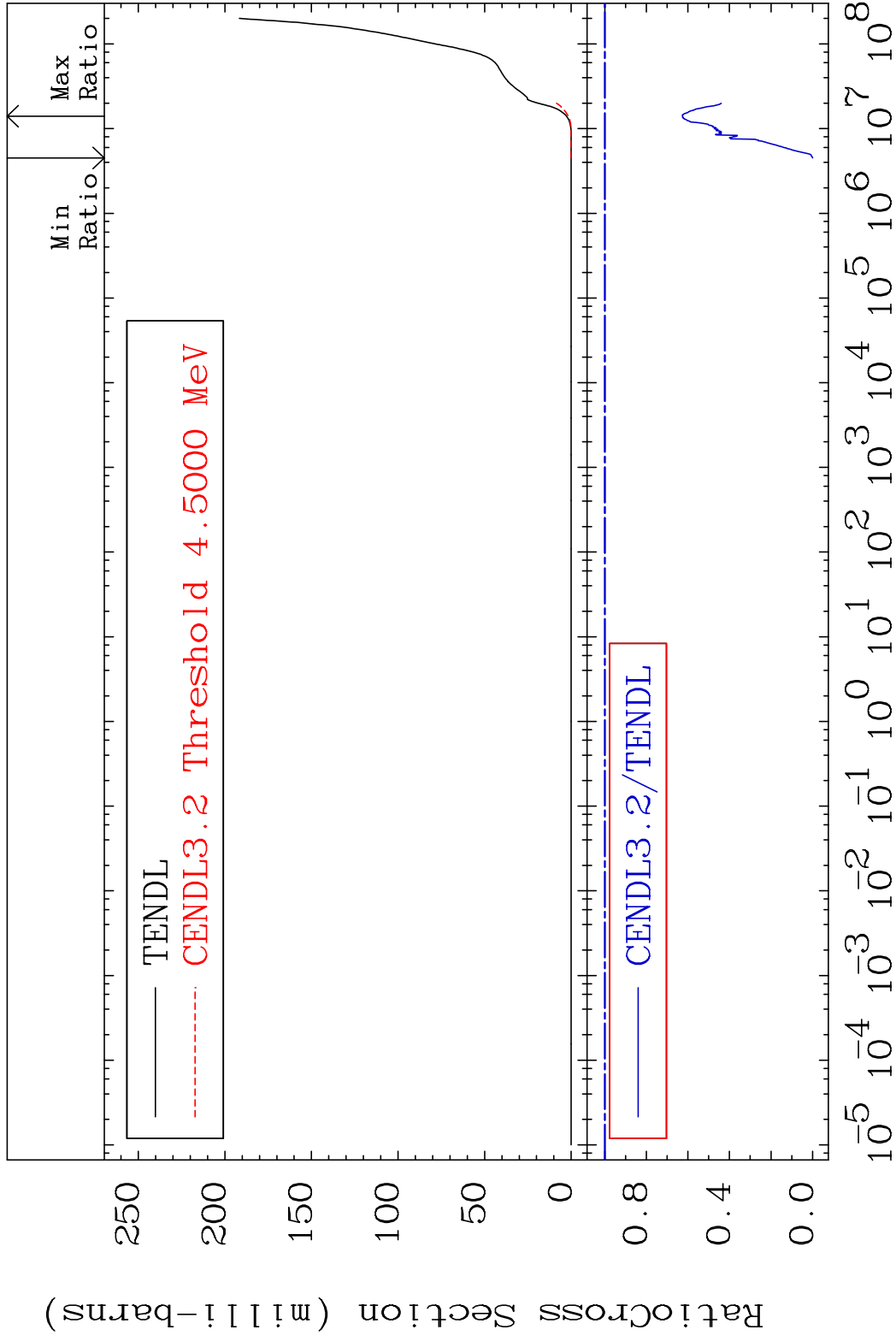
50-Sn-116

MAT 5037

He-4 Production

50-Sn-116

Cross Section -100.0 To -37.34%

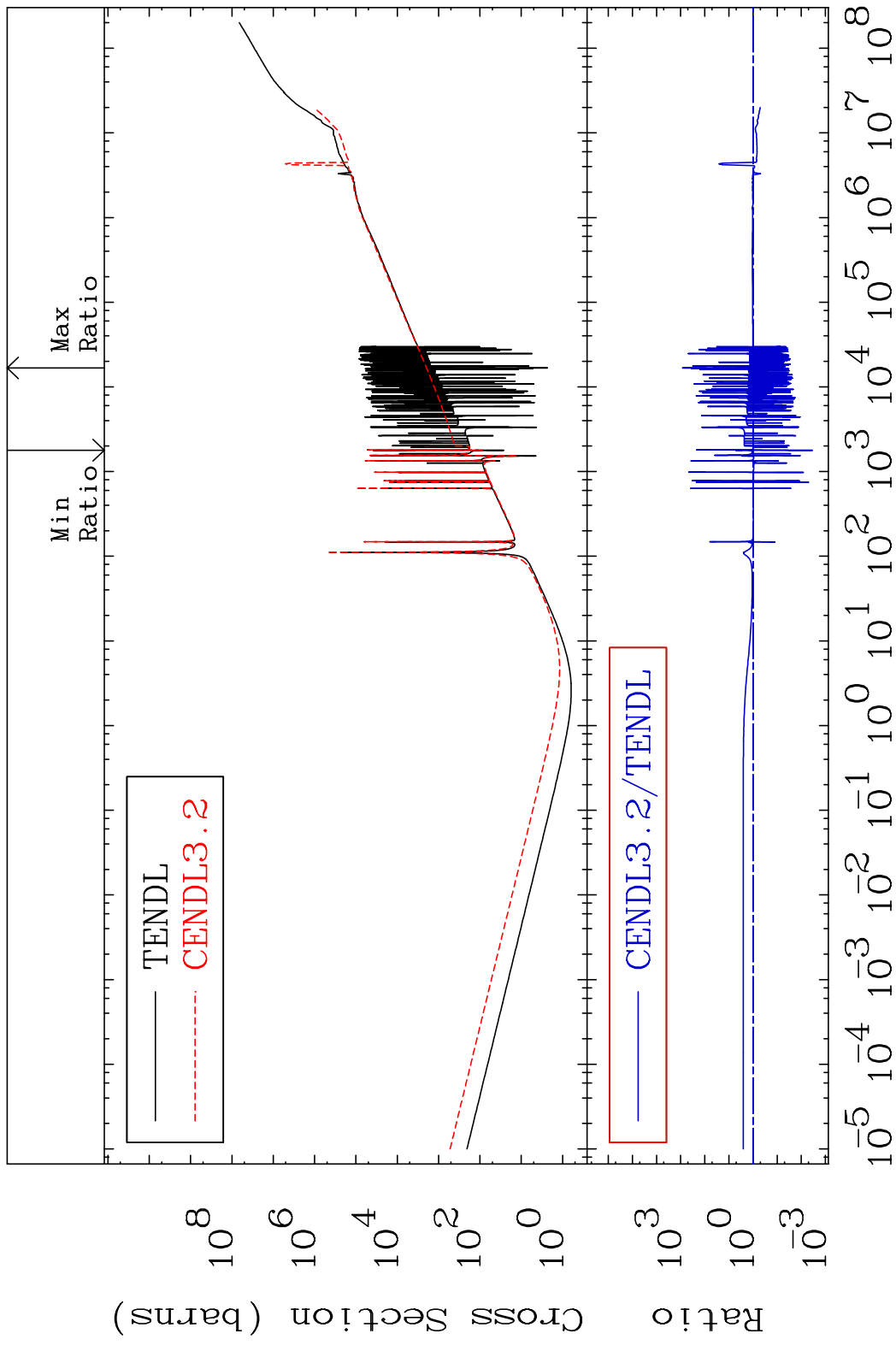


46

Incident Energy (eV)

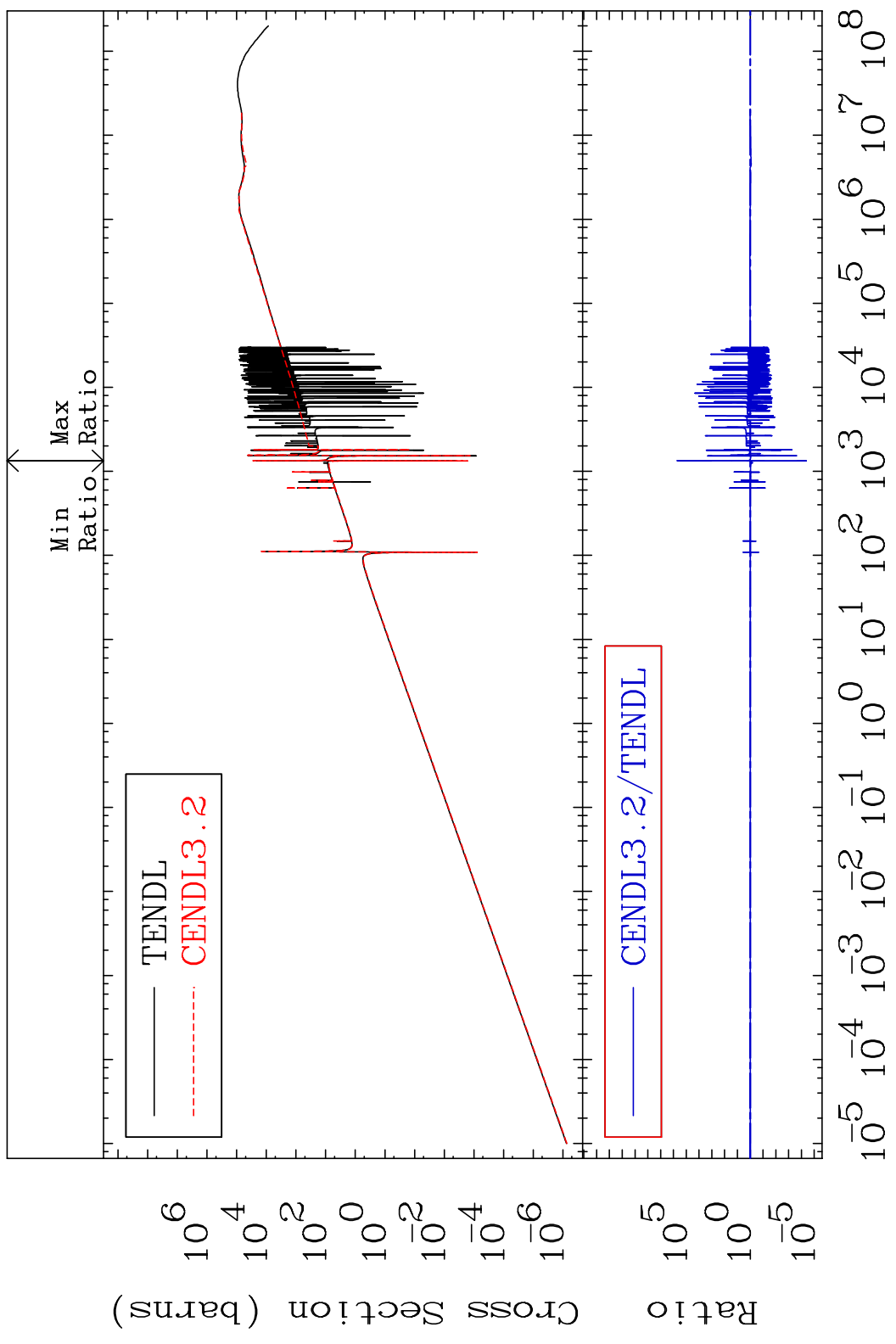
50-Sn-116

MAT 5037 Kerma total (eV-barns) 50-Sn-116
 Cross Section -99.66 To 9999. %

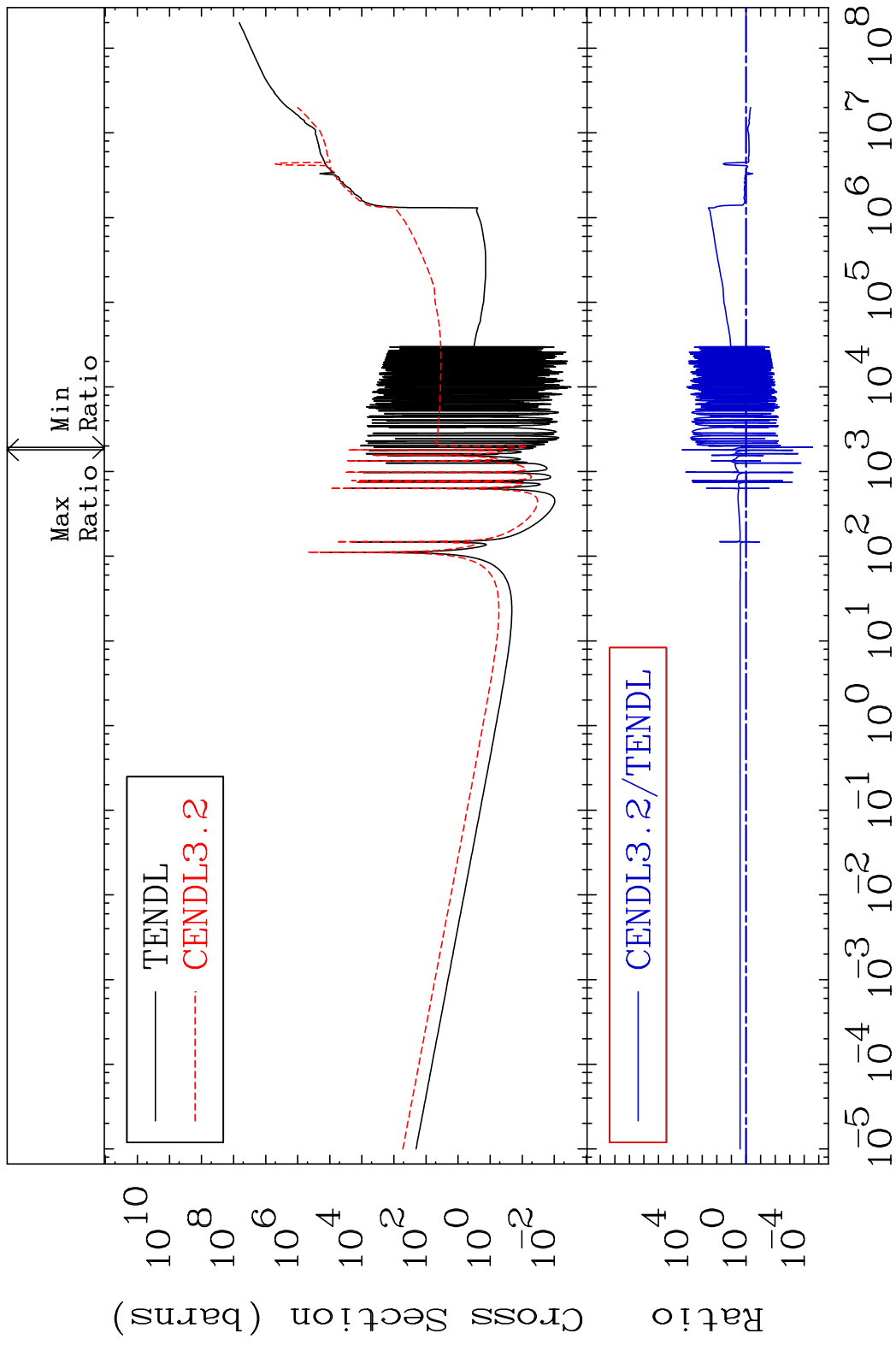


MAT 5037

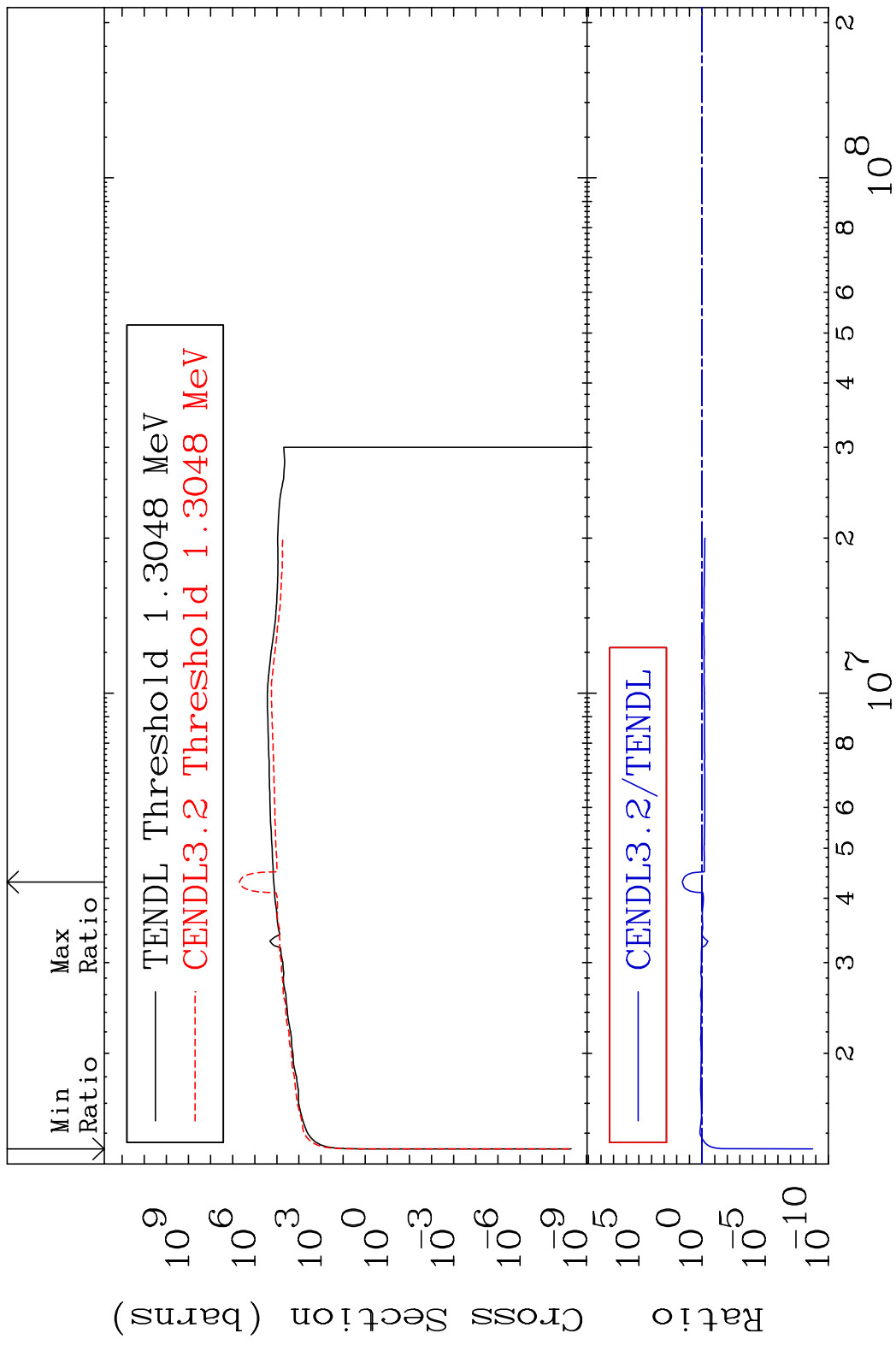
Kerma elastic
Cross Section -100.0 To 9999. %
50-Sn-116



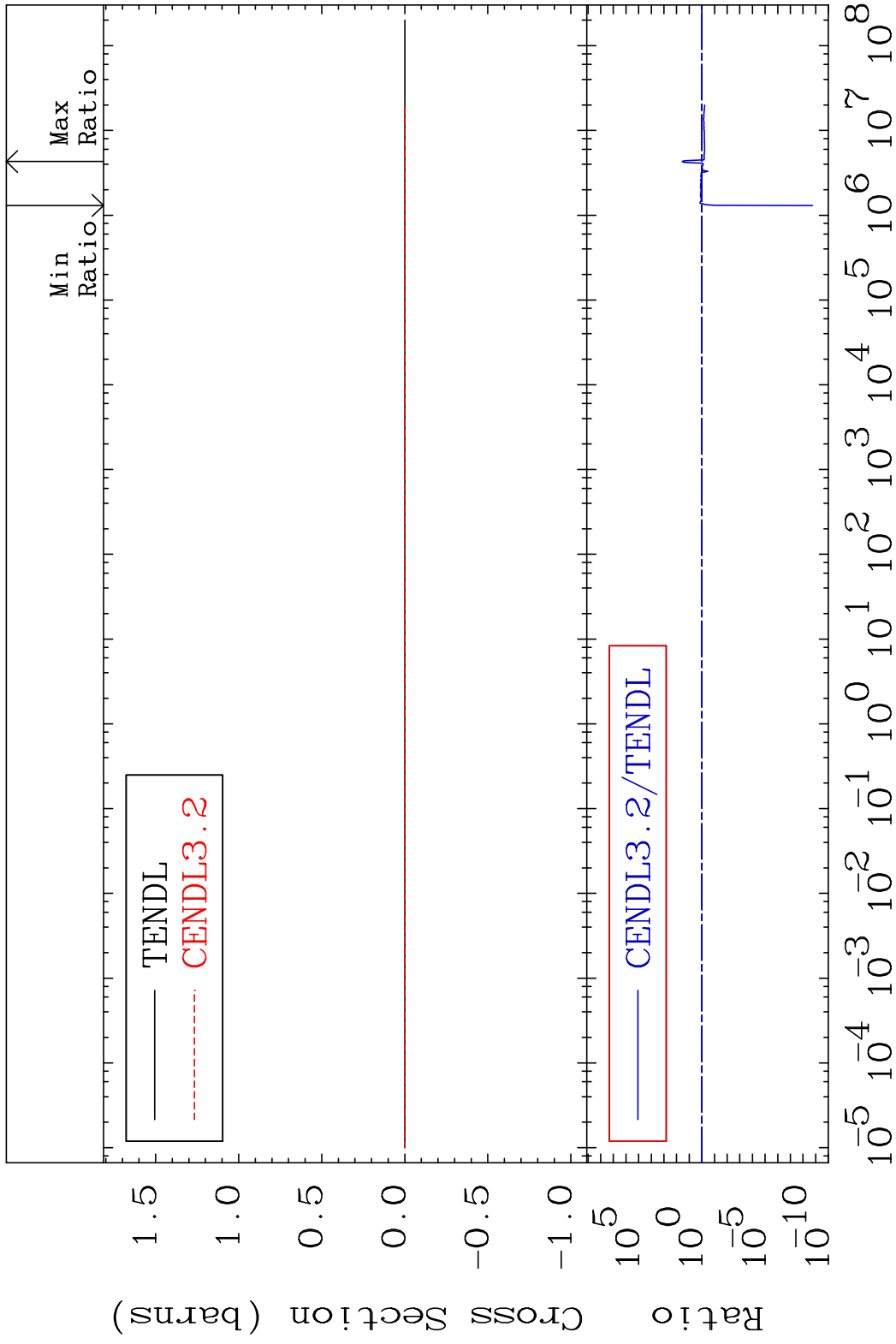
MAT 5037 Kerma non-elastic (all but mt2) 50-Sn-116
 Cross Section -100.0 To 9999. %



MAT 5037 Kerma inelastic (mt51-91) 50-Sn-116
 Cross Section -100.0 To 3512. %



MAT 5037 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-116
 Cross Section -100.0 To 3512. %

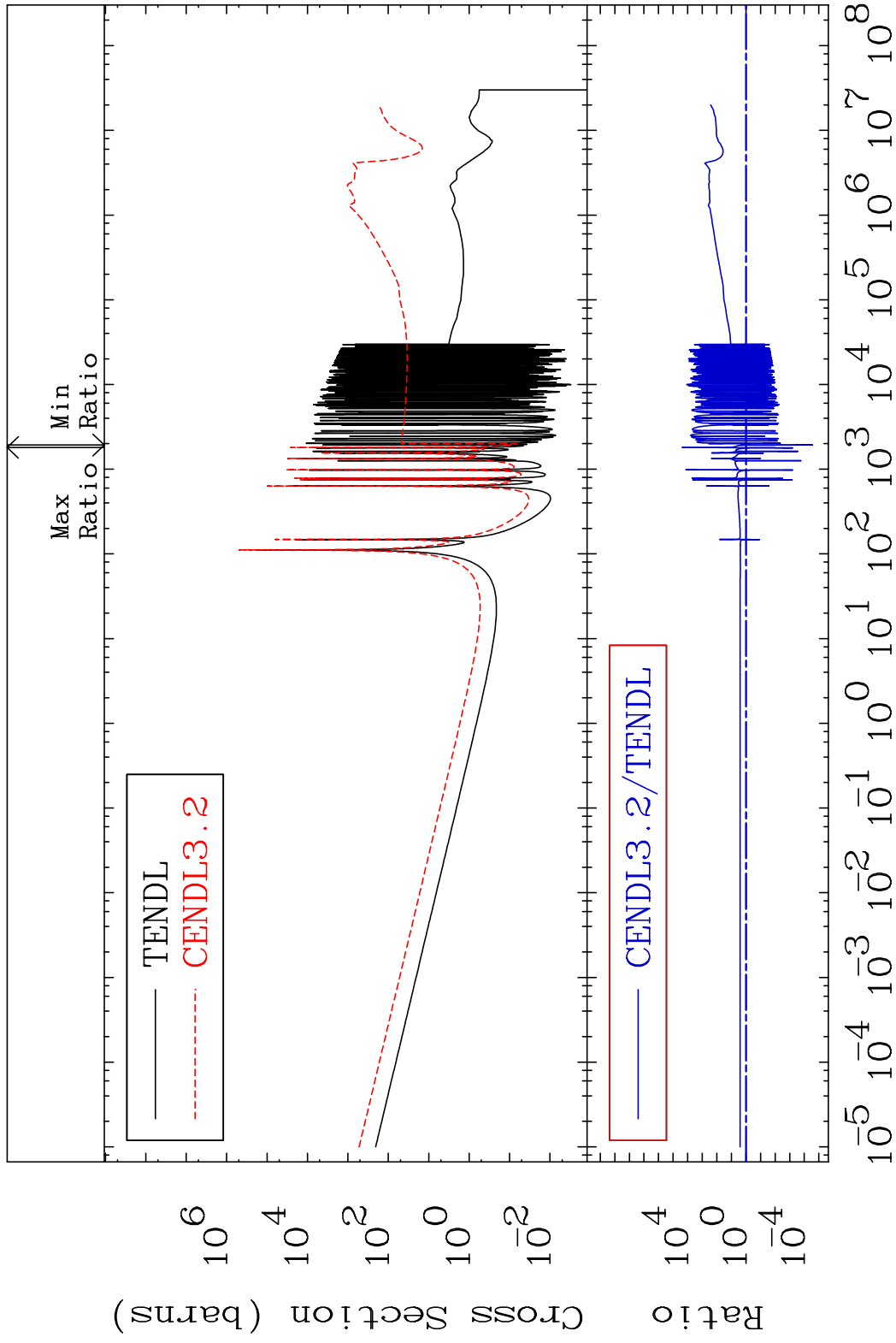


MAT 5037

Kerma capture (mt102)

50-Sn-116

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

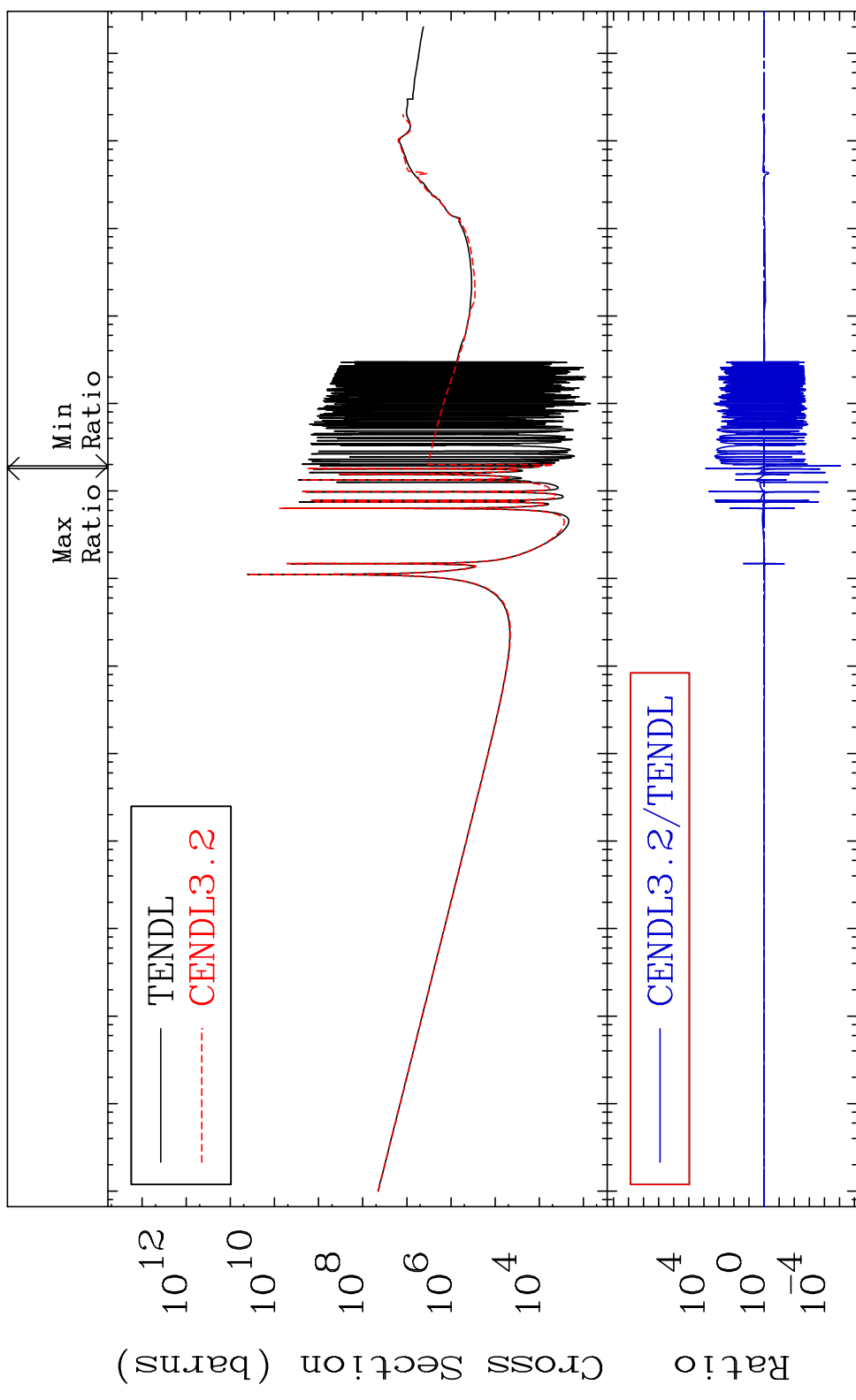
50-Sn-116

MAT 5037

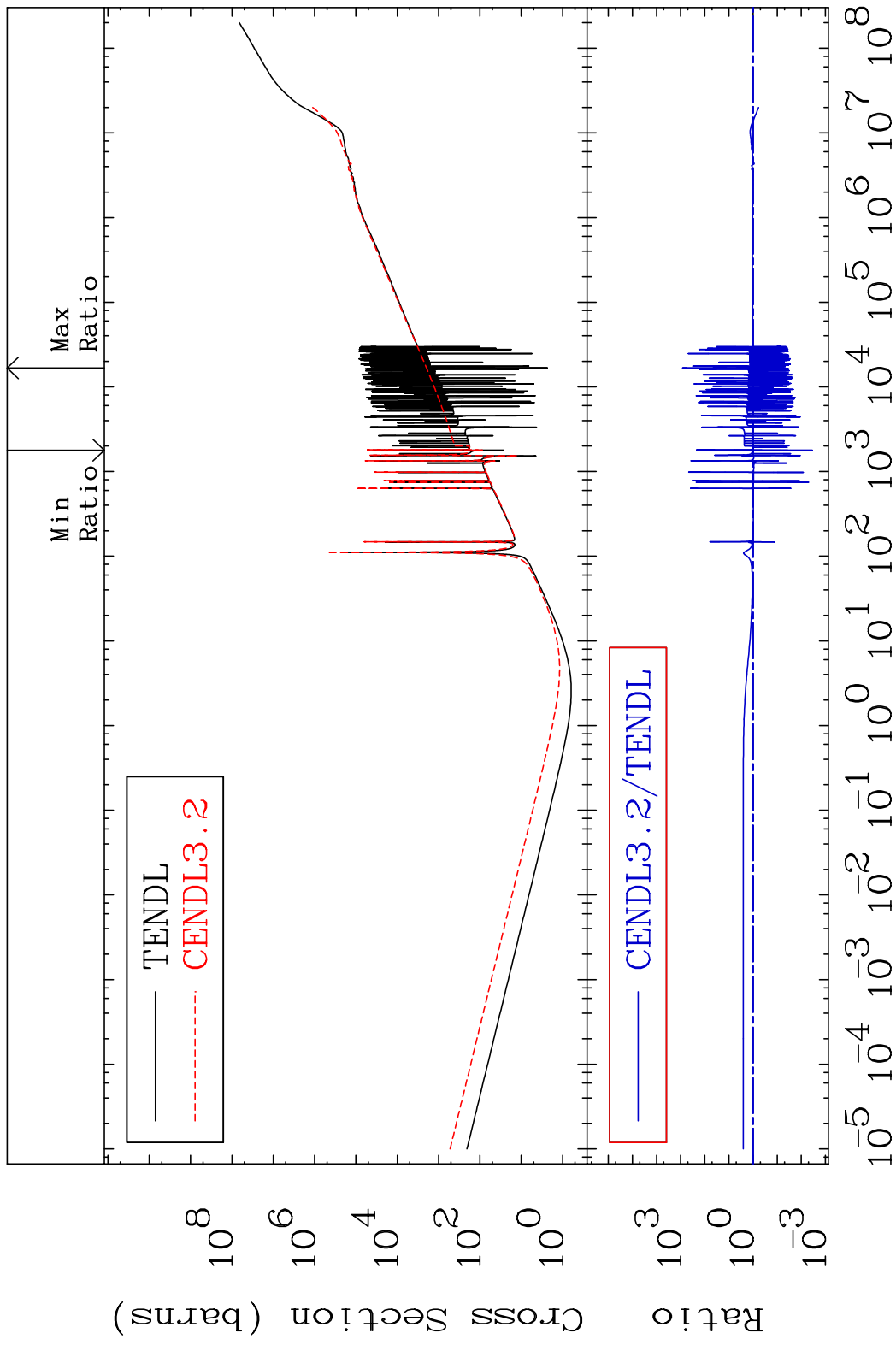
Total photon (eV-barns)

50-Sn-116

Cross Section -100.0 To 9999. %



MAT 5037 Total kinematic kerma (high limit) 50-Sn-116
 Cross Section -99.66 To 9999. %

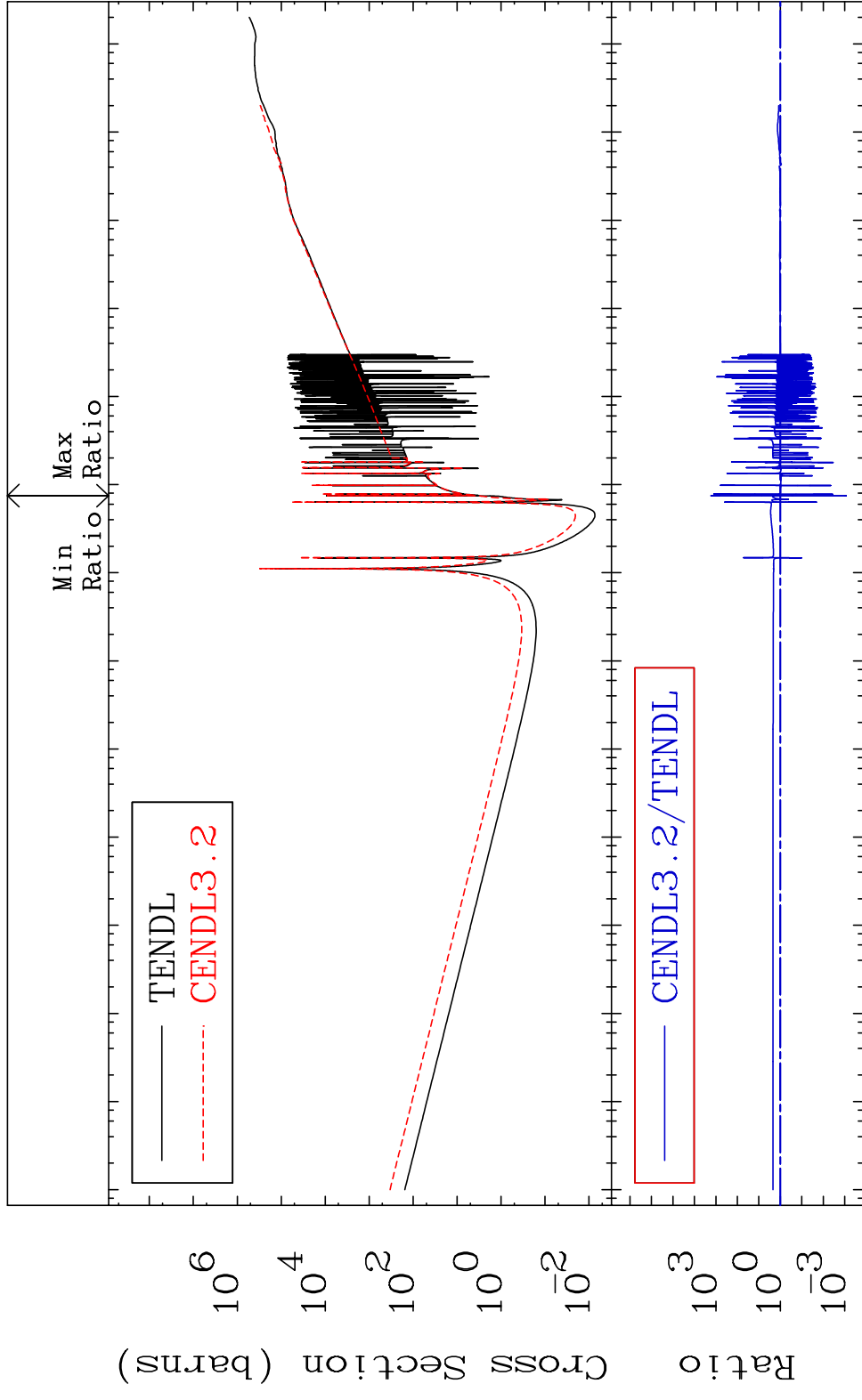


MAT 5037

Dpa total (eV-barns)

50-Sn-116

Cross Section -99.92 To 9999. %

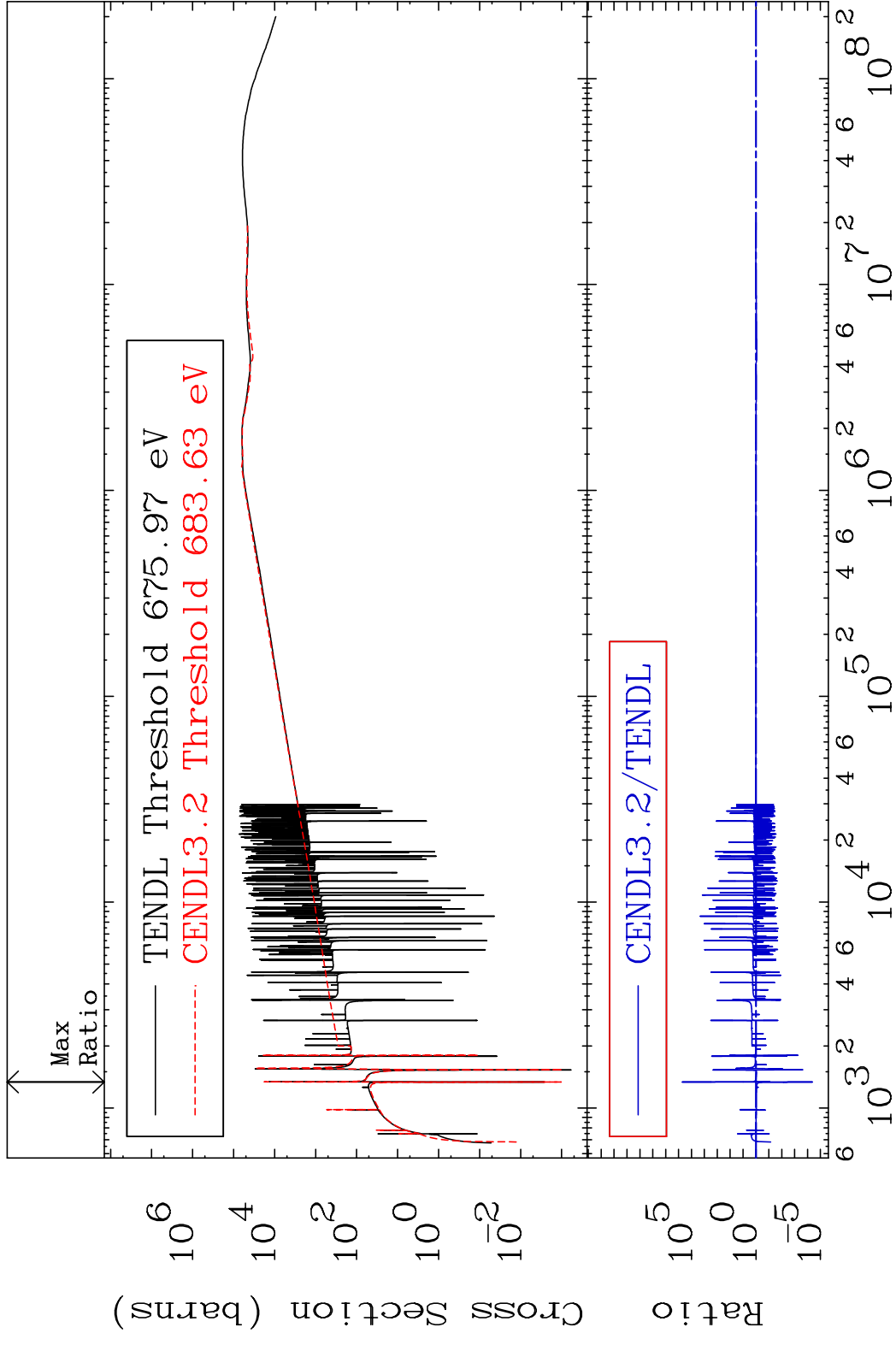


MAT 5037

Dpa elastic (mt2)

50-Sn-116

Cross Section -100.0 To 9999. %

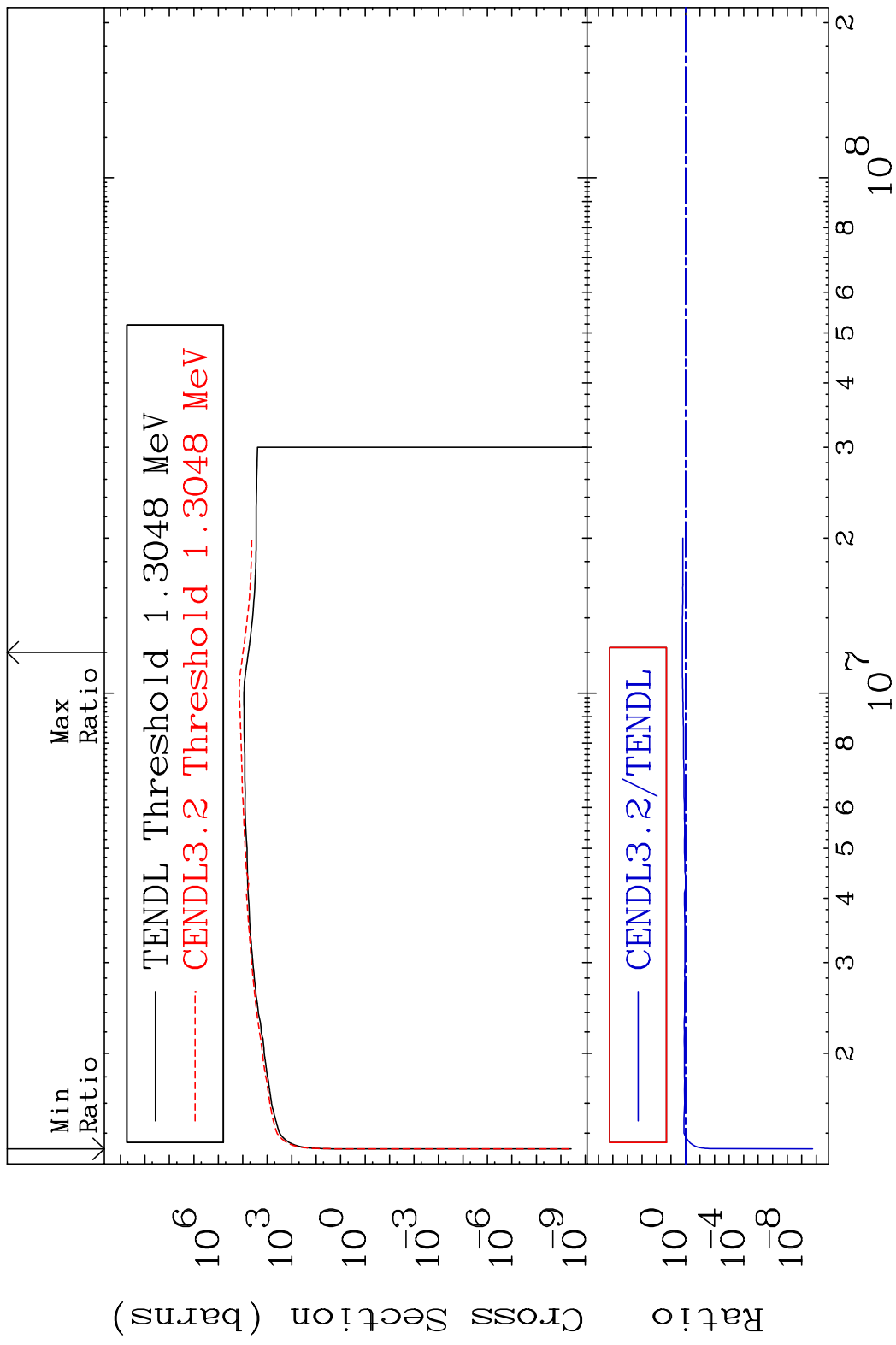


56

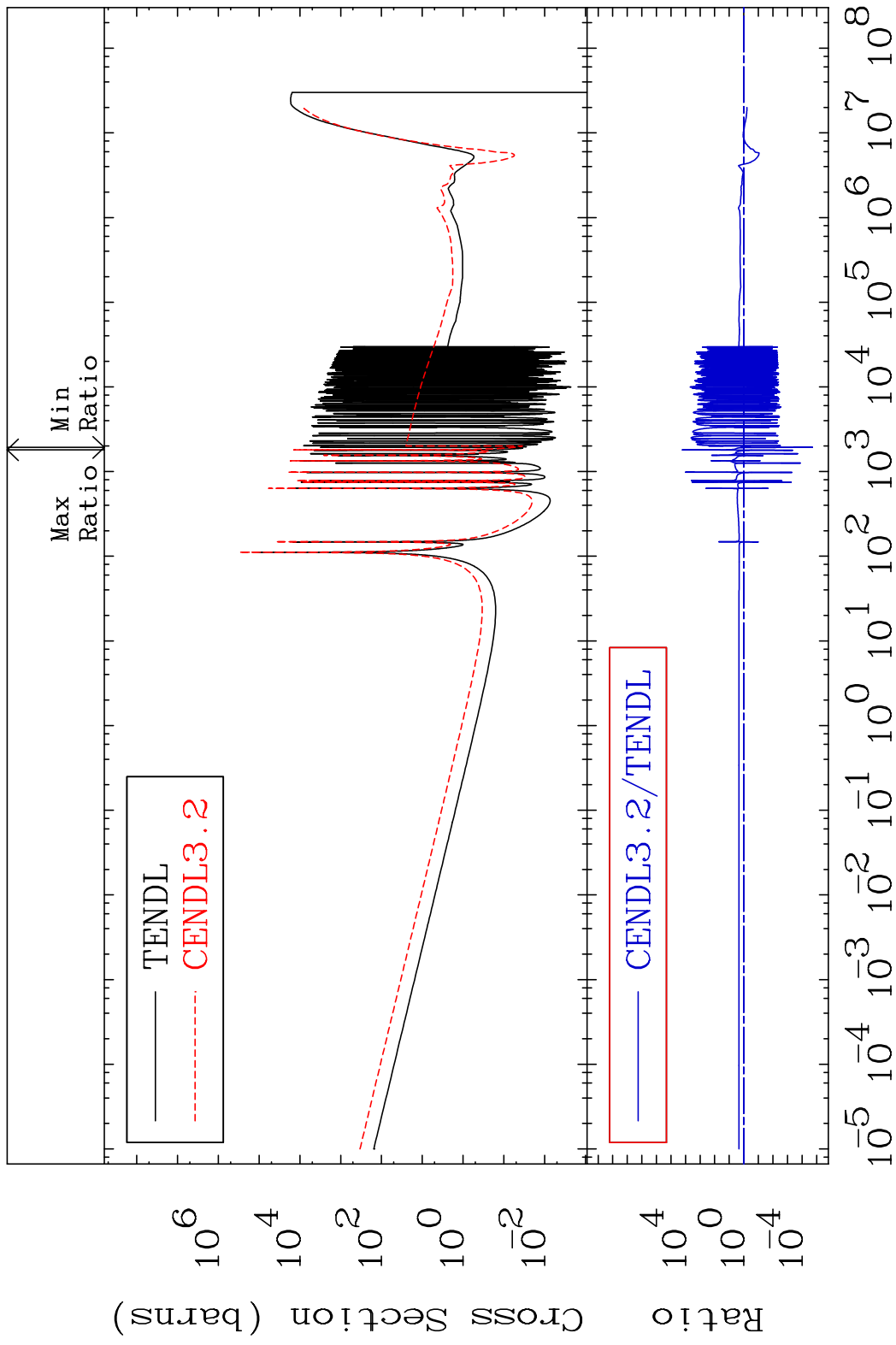
Incident Energy (eV)

50-Sn-116

MAT 5037 Dpa inelastic (mt51-91) 50-Sn-116
 Cross Section -100.0 To 65.59 %



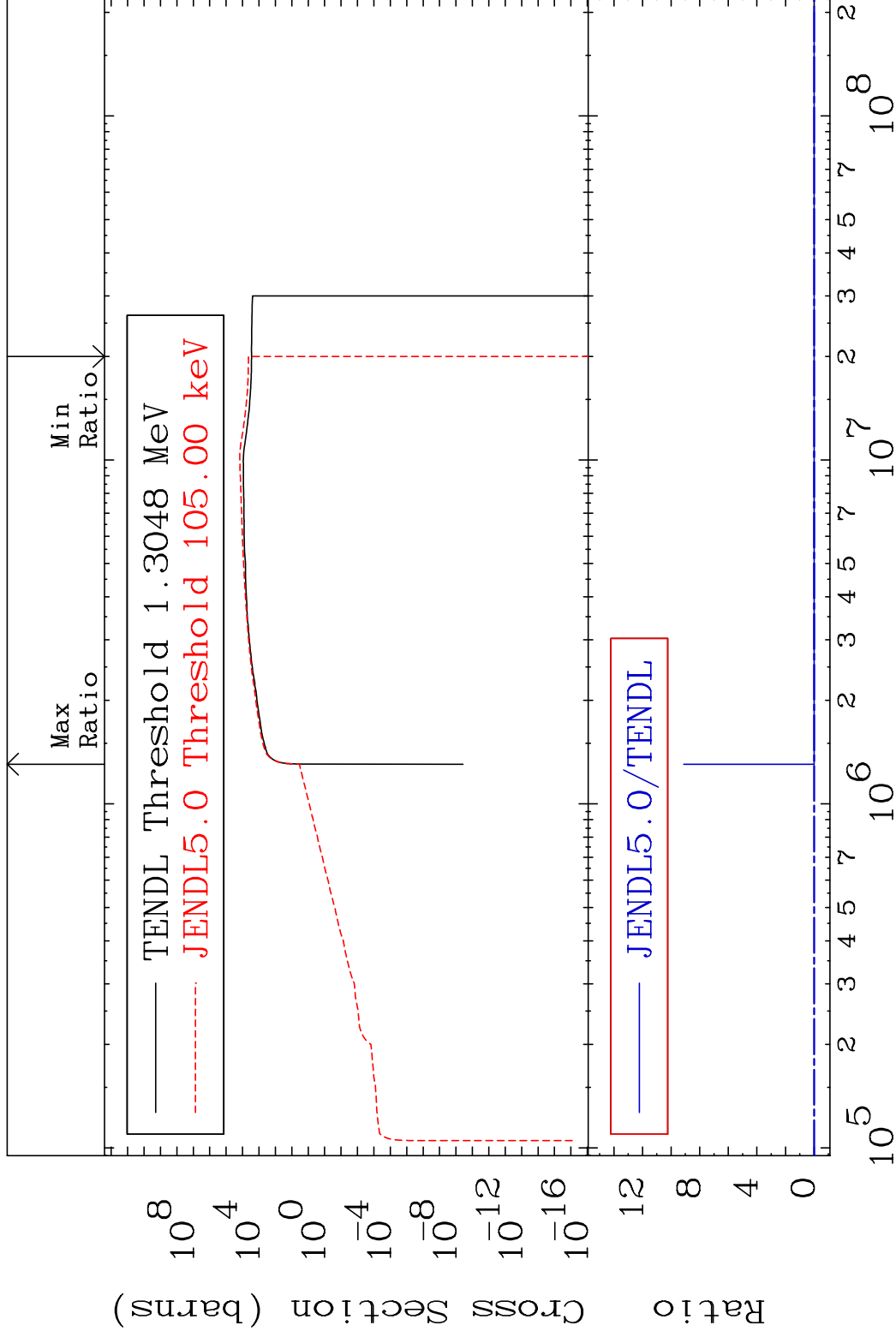
MAT 5037 Dpa disappearance (mt102 -120) 50-Sn-116
 Cross Section -100.0 To 9999. %



MAT 5037

Dpa inelastic (mt51-91) 50-Sn-116

Cross Section -100.0 To 9999. %

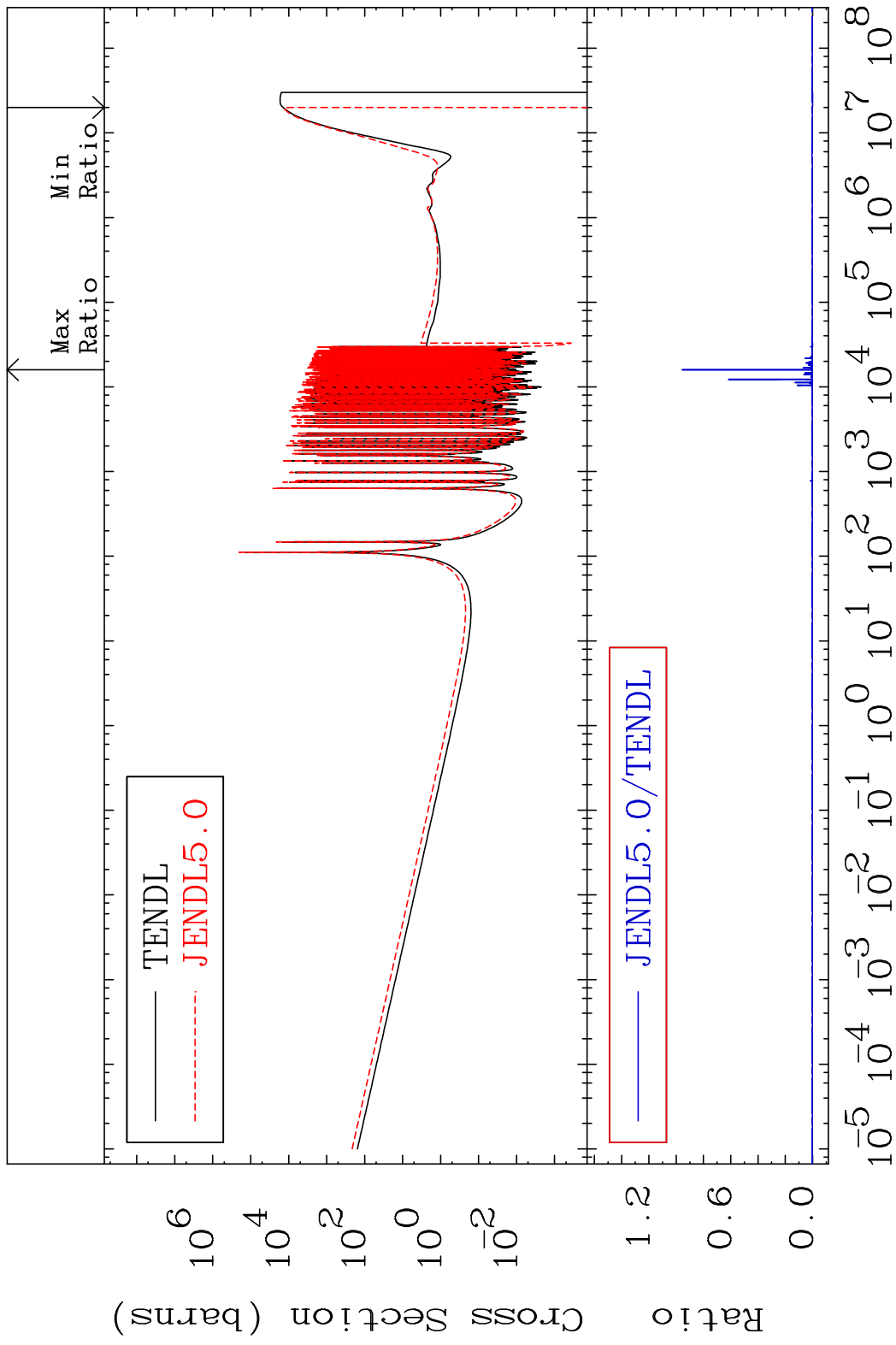


59

Incident Energy (eV)

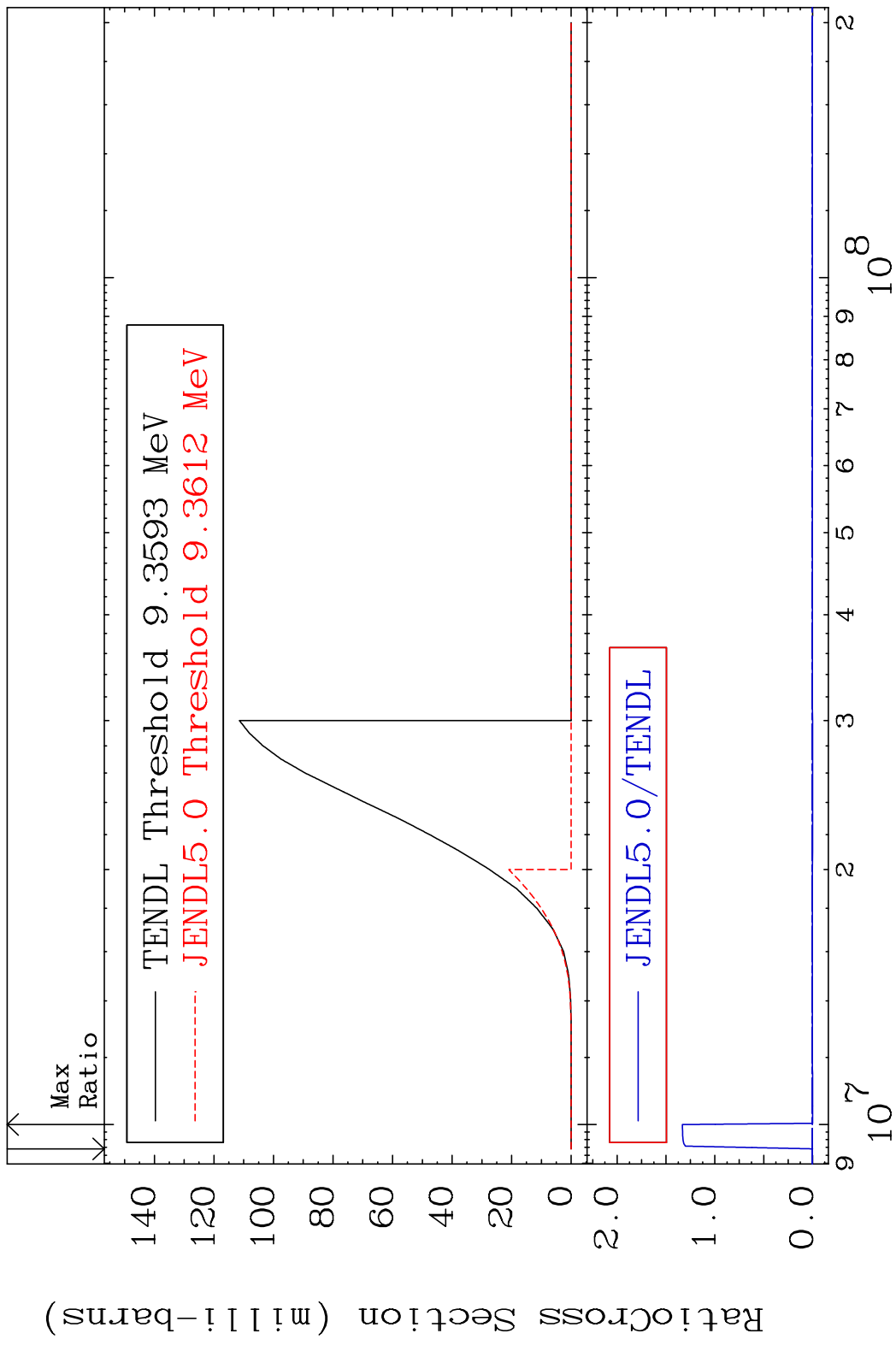
50-Sn-116

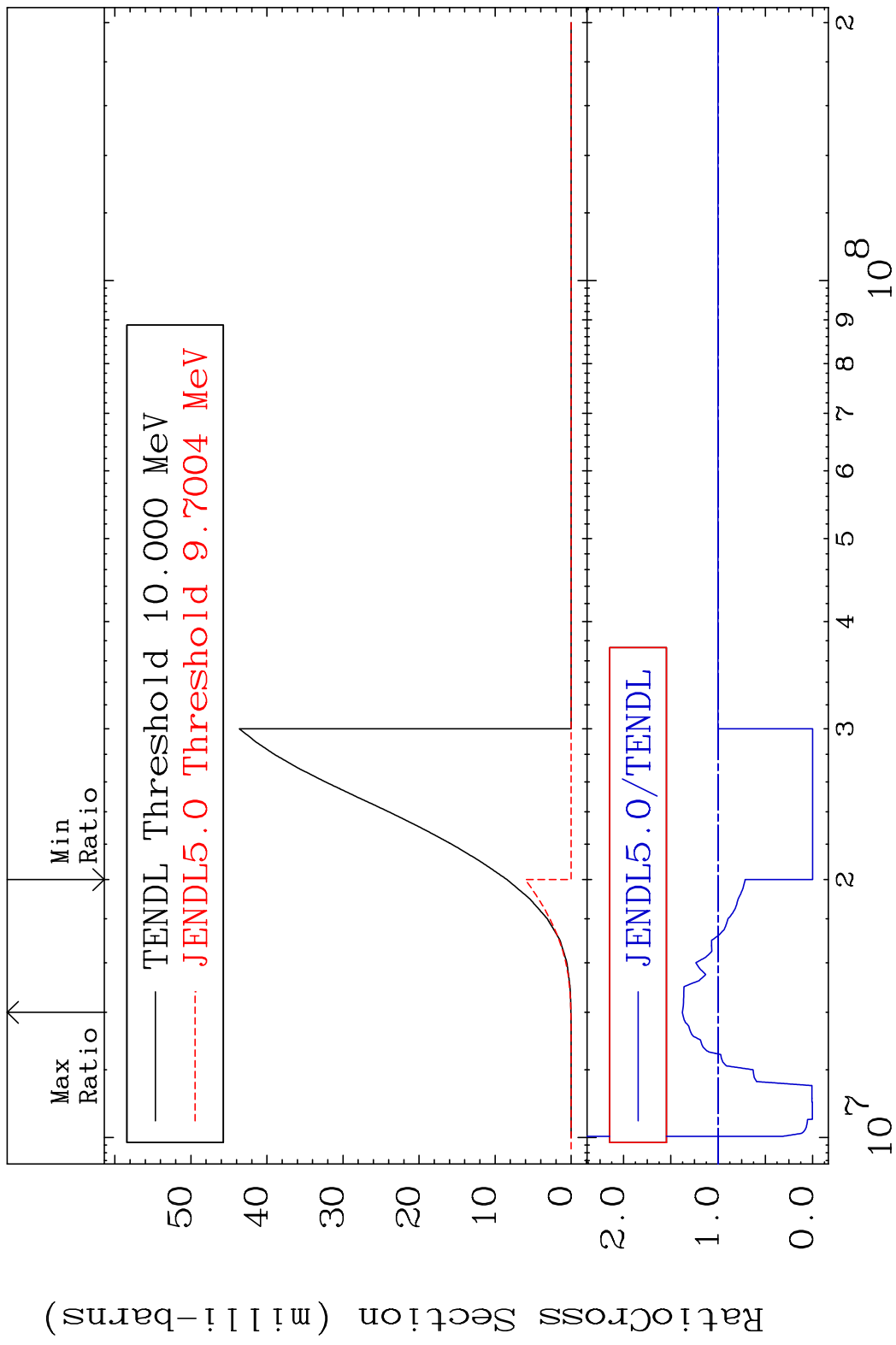
MAT 5037 Dpa disappearance (mt102 -120) 50-Sn-116
 Cross Section -100.0 To 9999. %



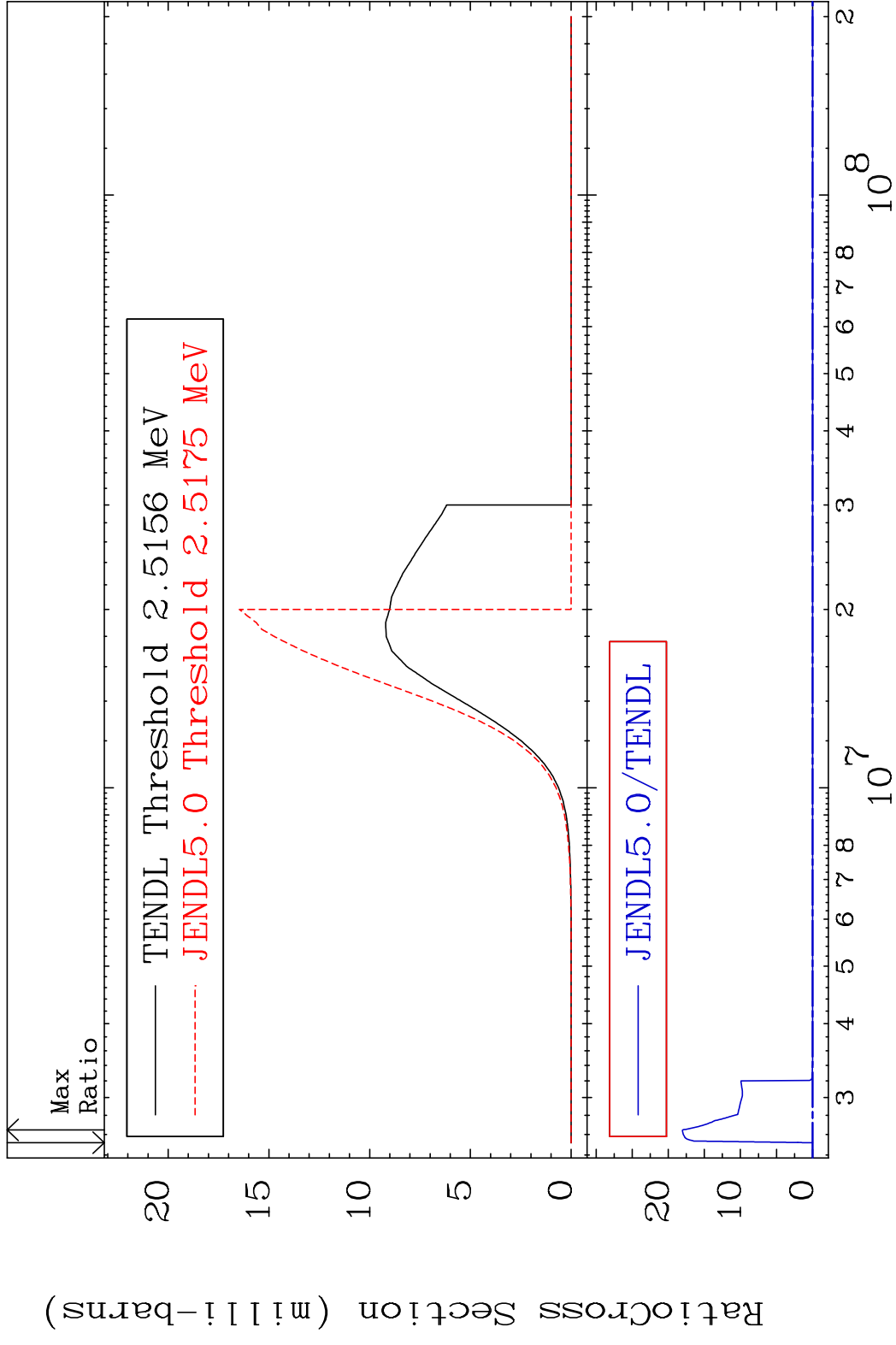
60 Incident Energy (eV) 50-Sn-116

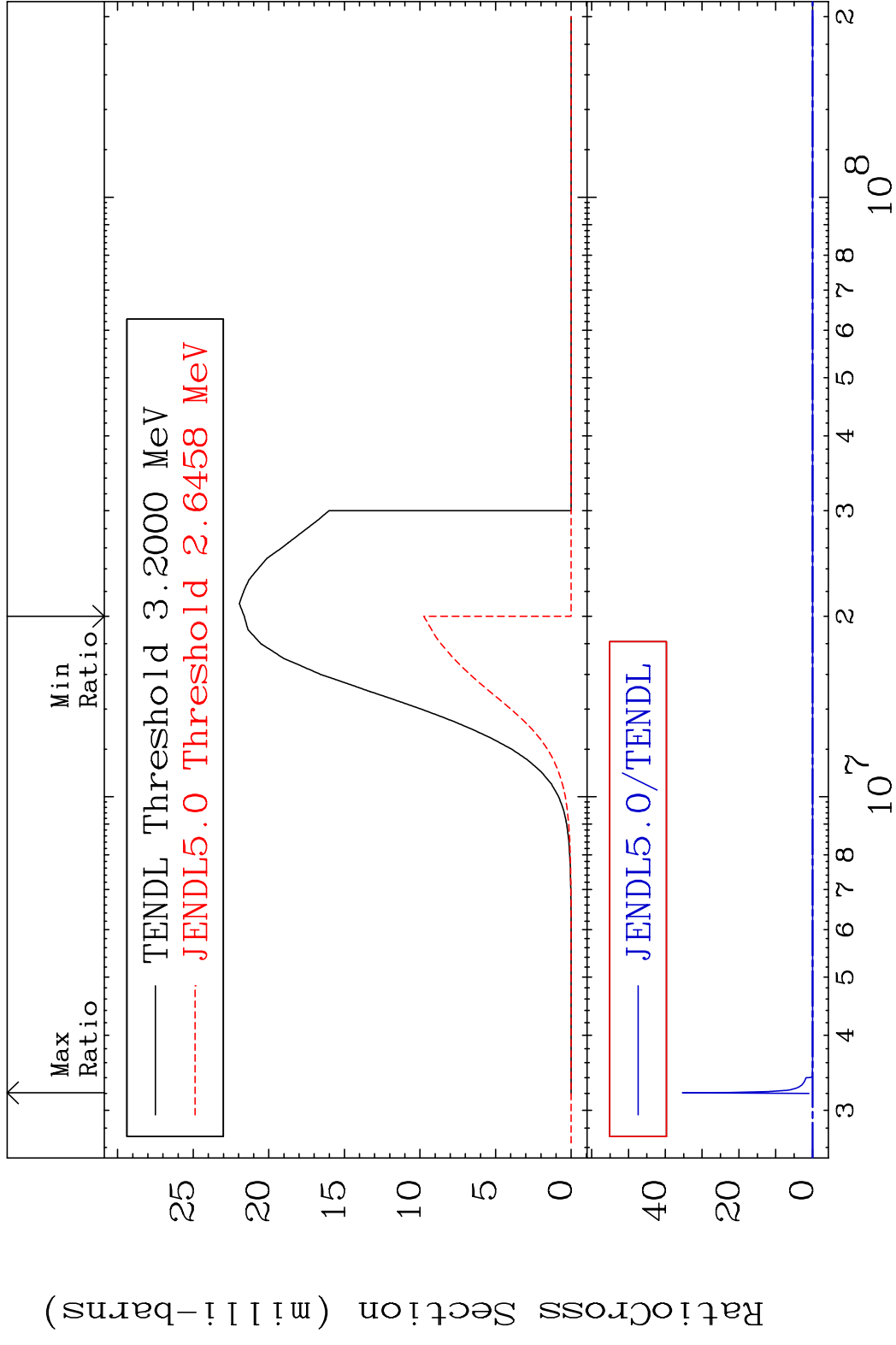
MAT 5037 (n, n') p:49-In-115g 50-Sn-116
 Radionuclide Production Cross Section Ratio 9999. %

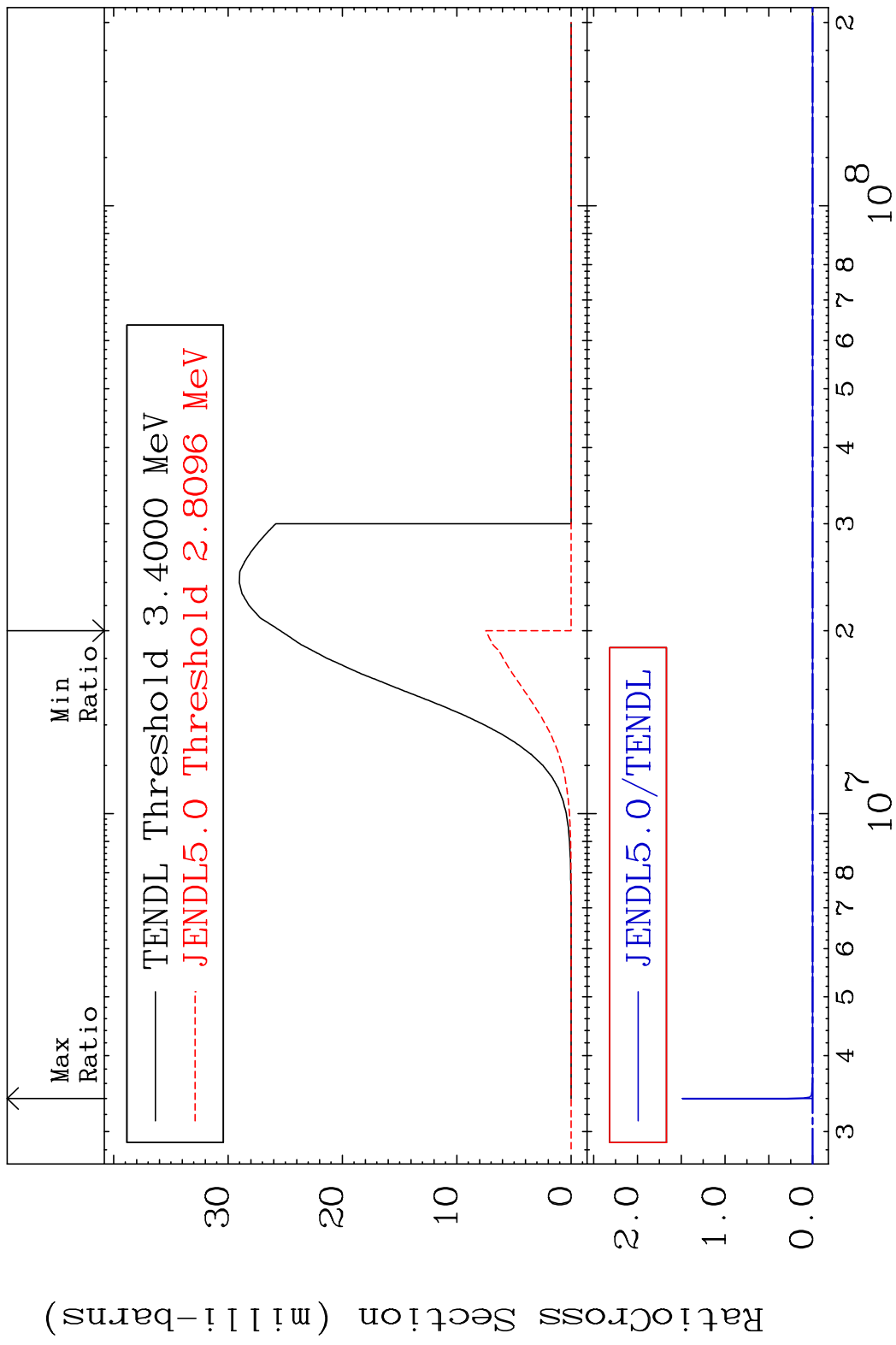




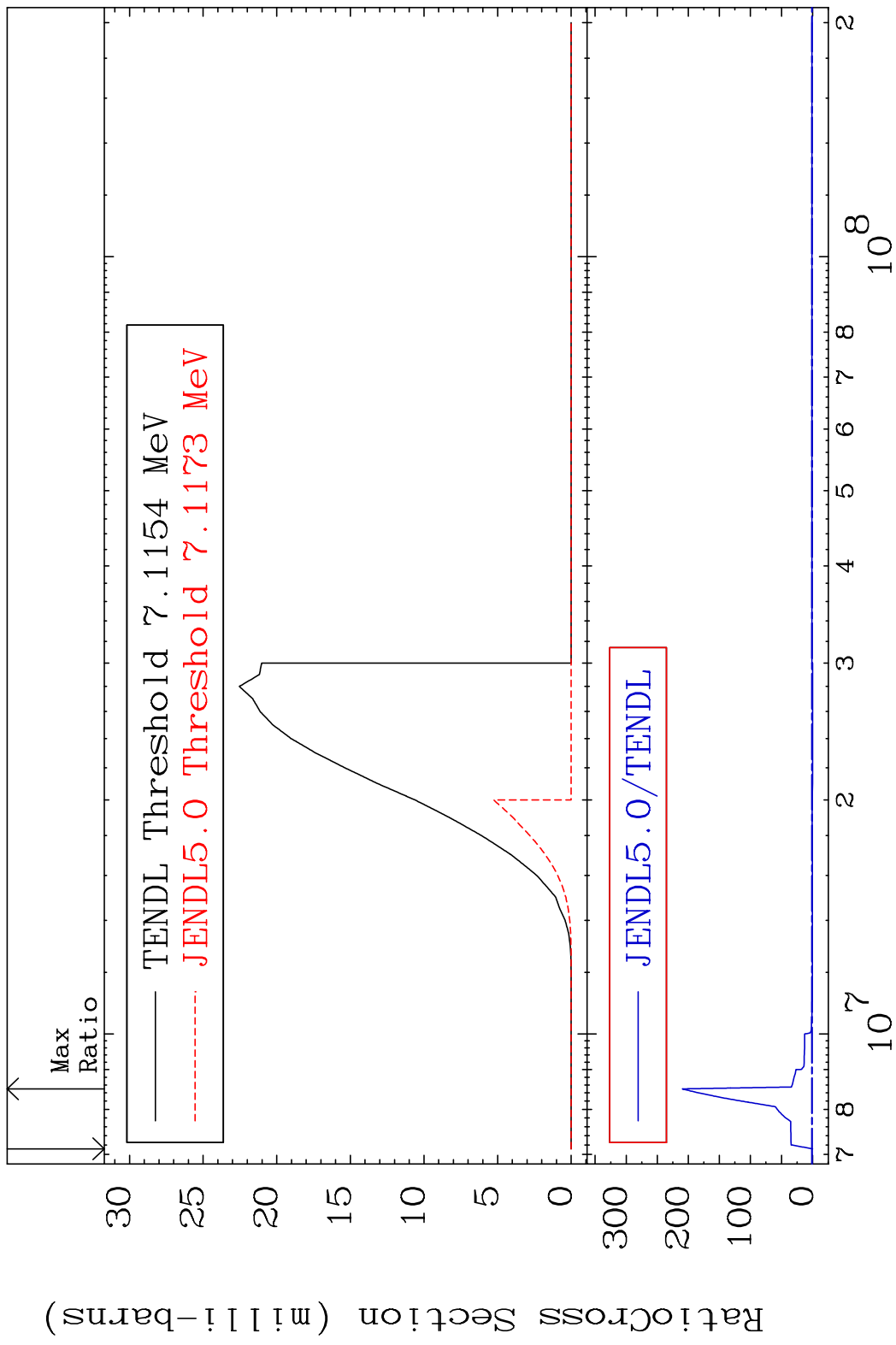
MAT 5037 (n,p):49-In-116g 50-Sn-116
 Radionuclide Production Cross Section Ratio 9999. %

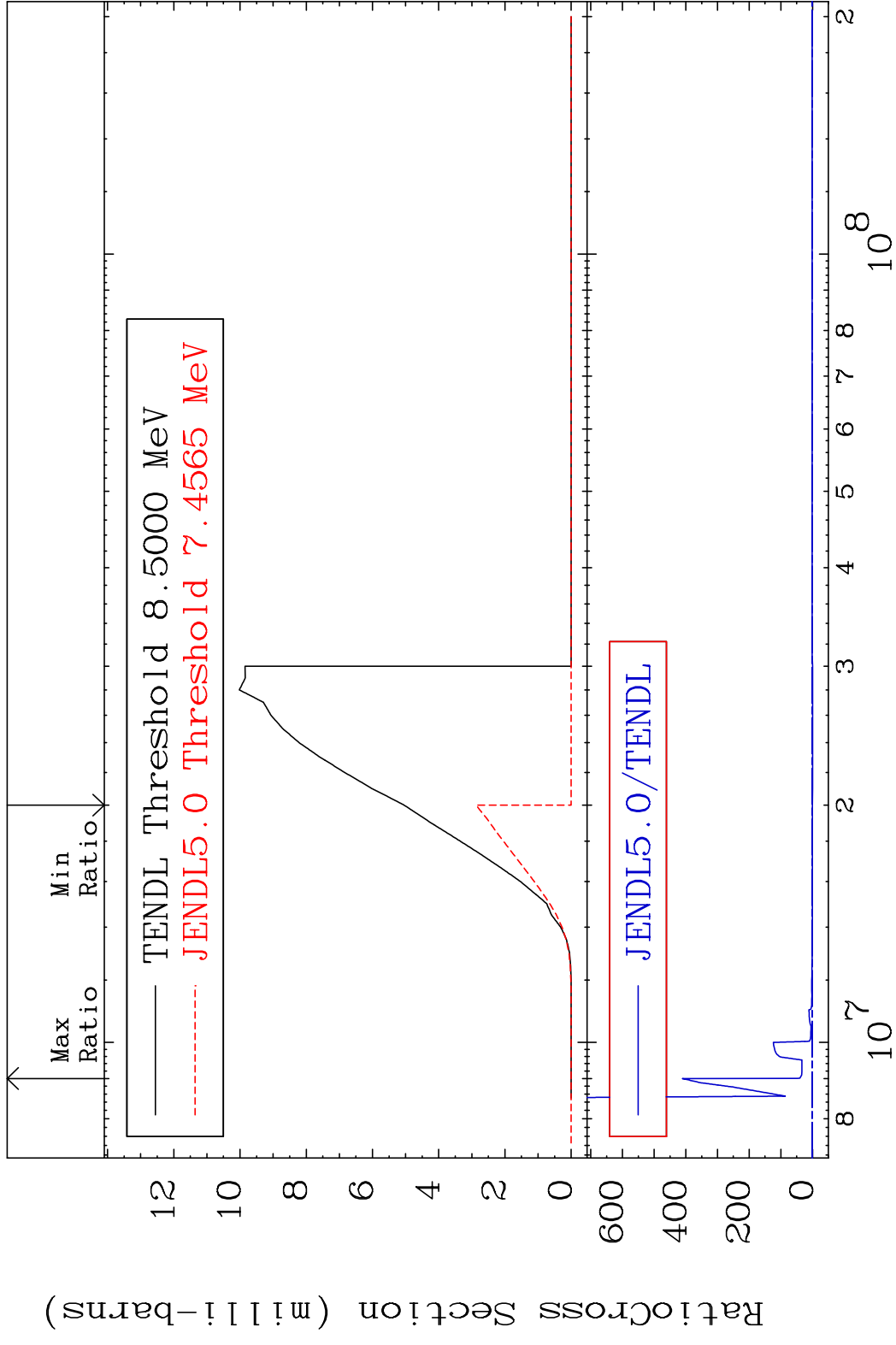


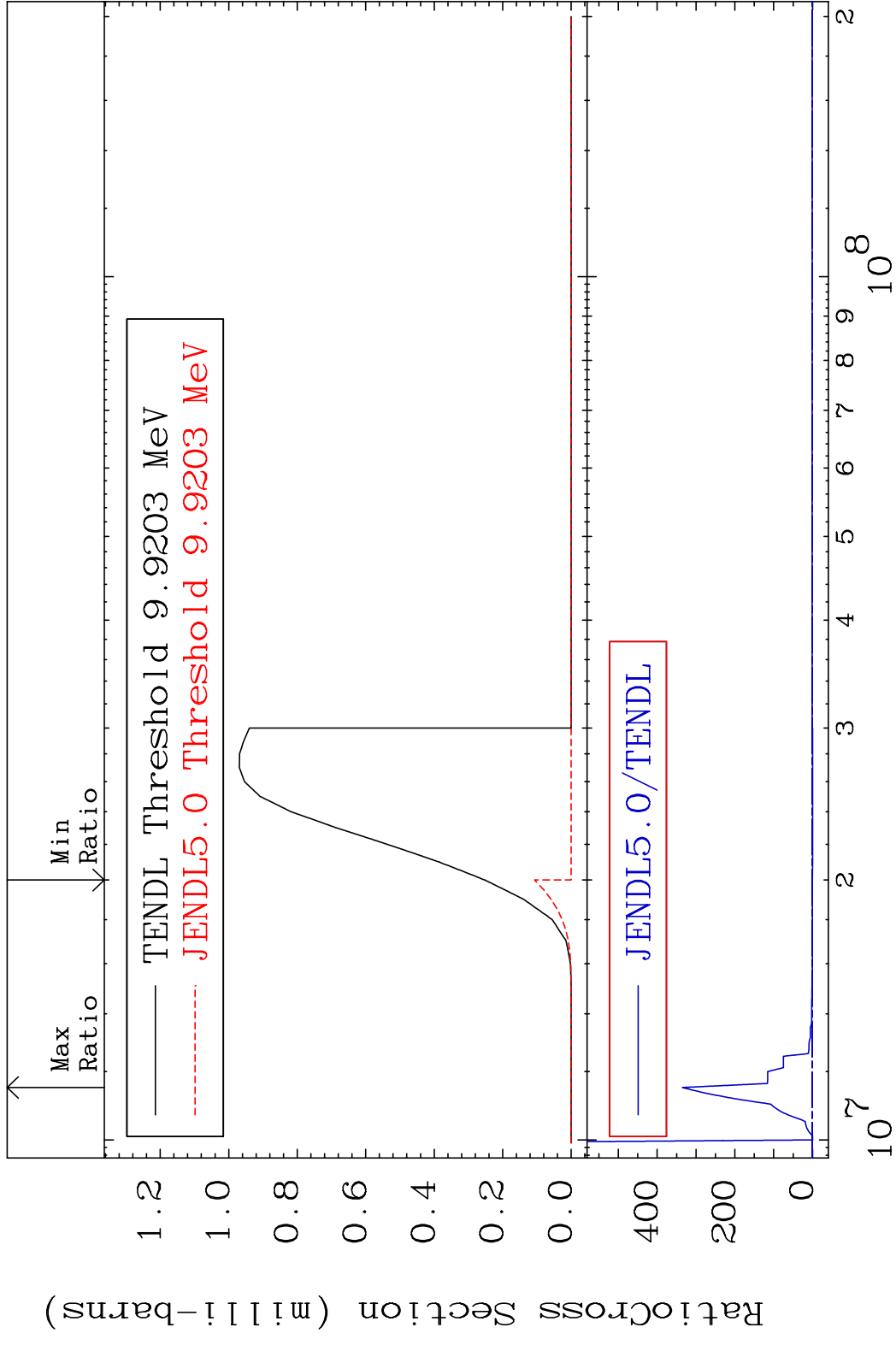




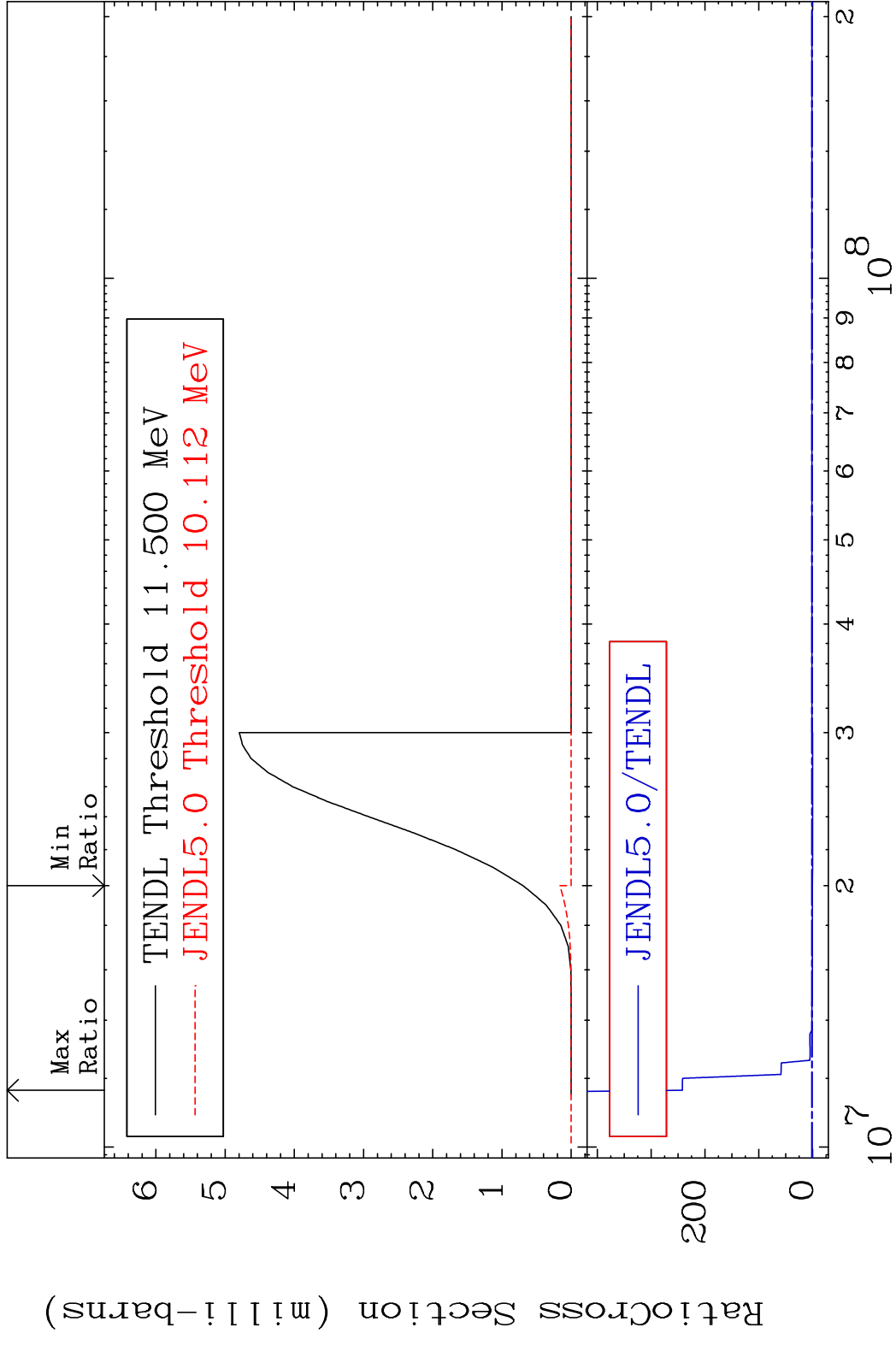
MAT 5037 (n,d):49-In-115g 50-Sn-116
 Radionuclide Production Cross Section to 9999. %







MAT 5037 (n, t):49-In-114m1 50-Sn-116
 Radionuclide Production Cross Section Ratio



69 Incident Energy (eV) 50-Sn-116