

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

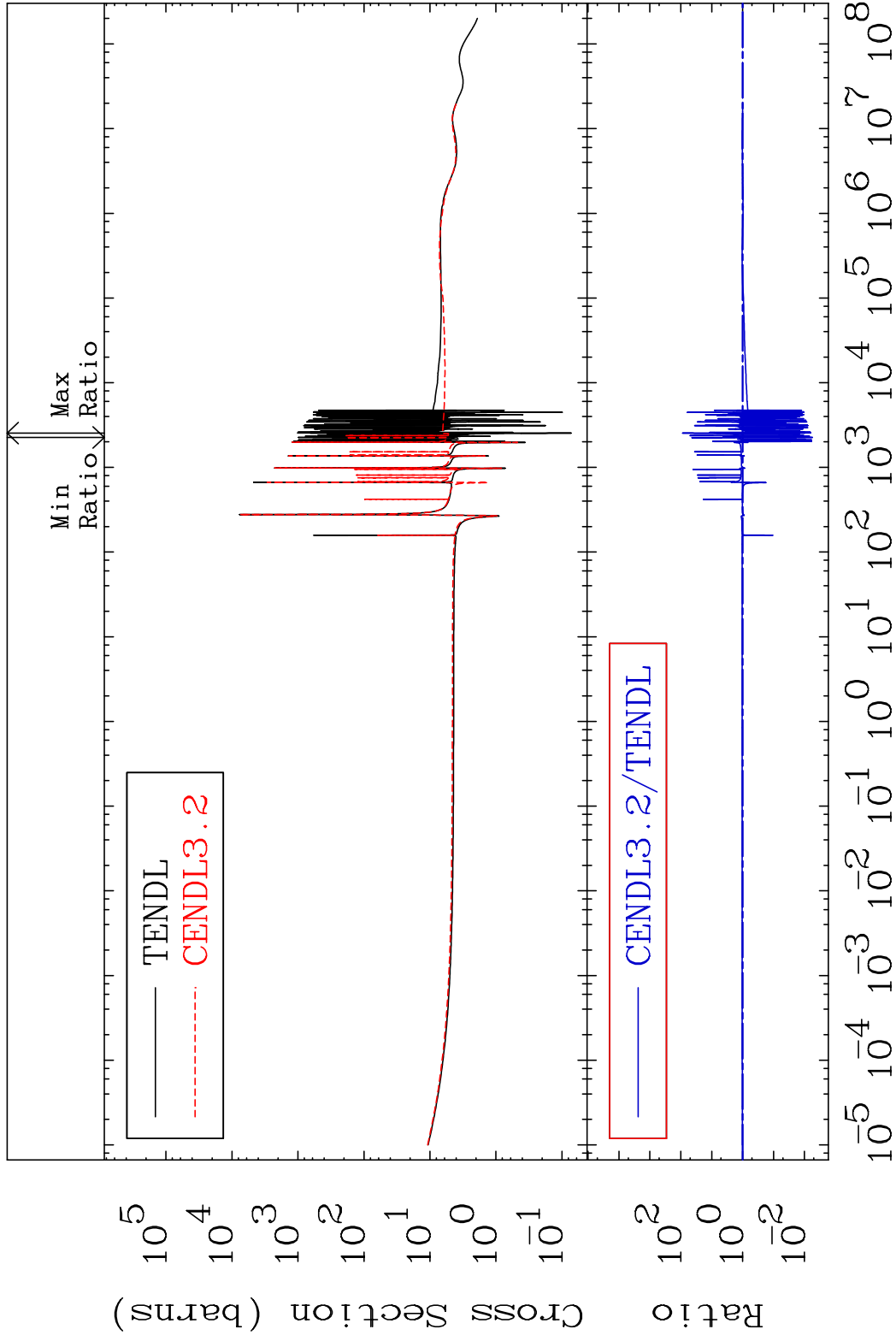
Press Mouse Button to Start

MAT 5031

Total

50-Sn-114

Cross Section -99.45 To 8808. %



1

Incident Energy (eV)

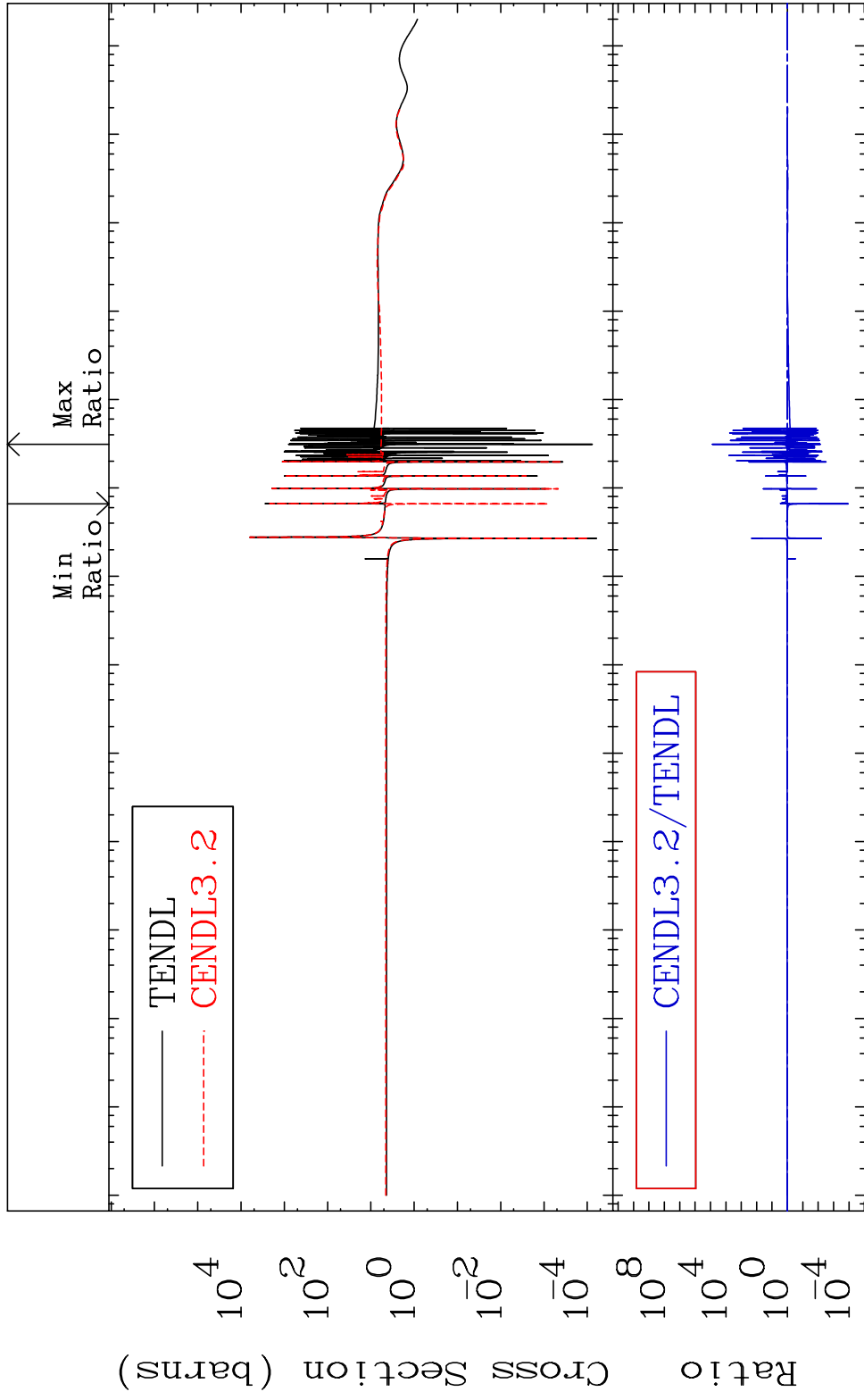
50-Sn-114

MAT 5031

Elastic

50-Sn-114

Cross Section -99.99 To 9999. %

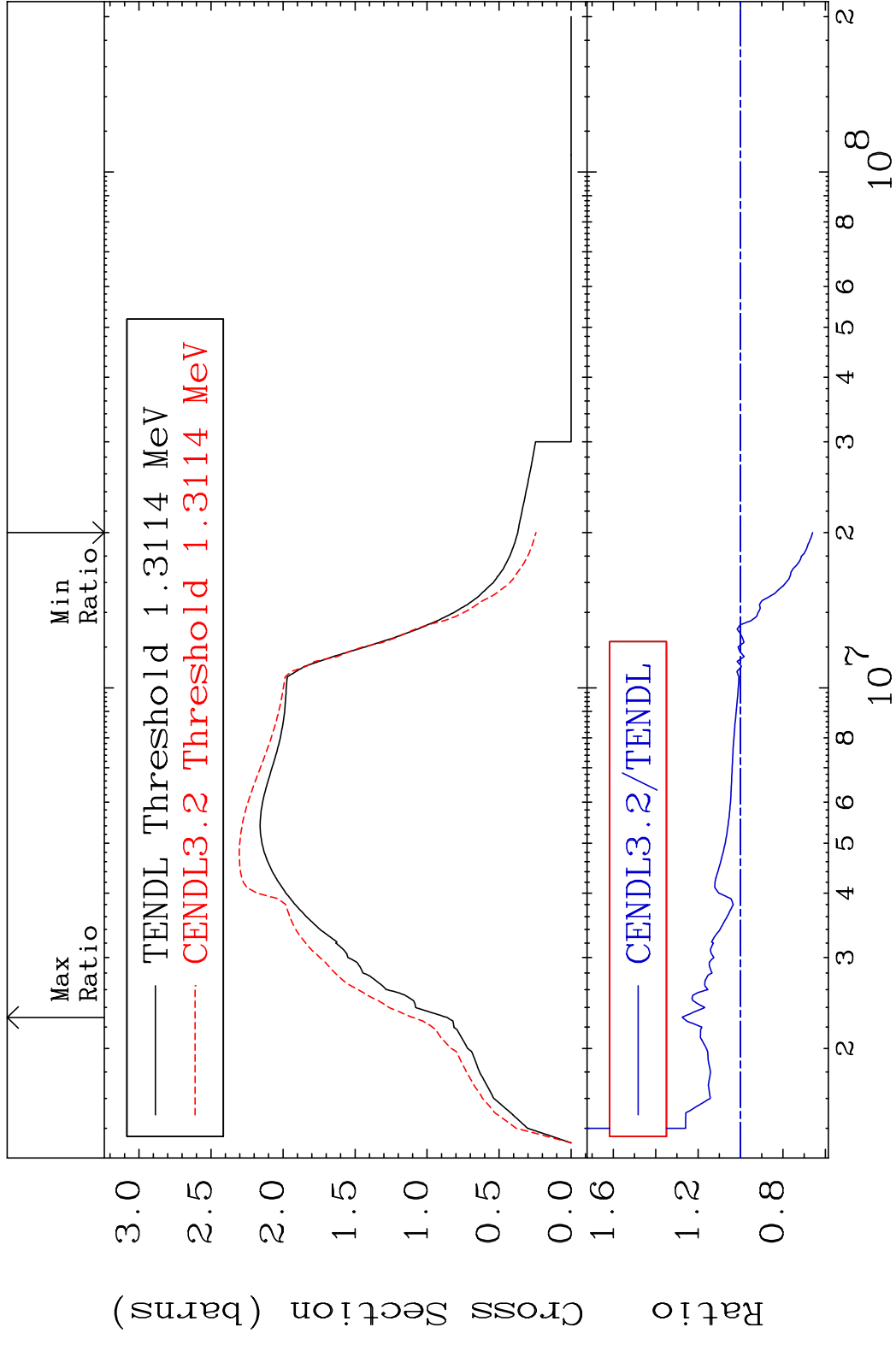


2

Incident Energy (eV)

50-Sn-114

MAT 5031 Inelastic 50-Sn-114
 Cross Section -33.99 To 27.39 %

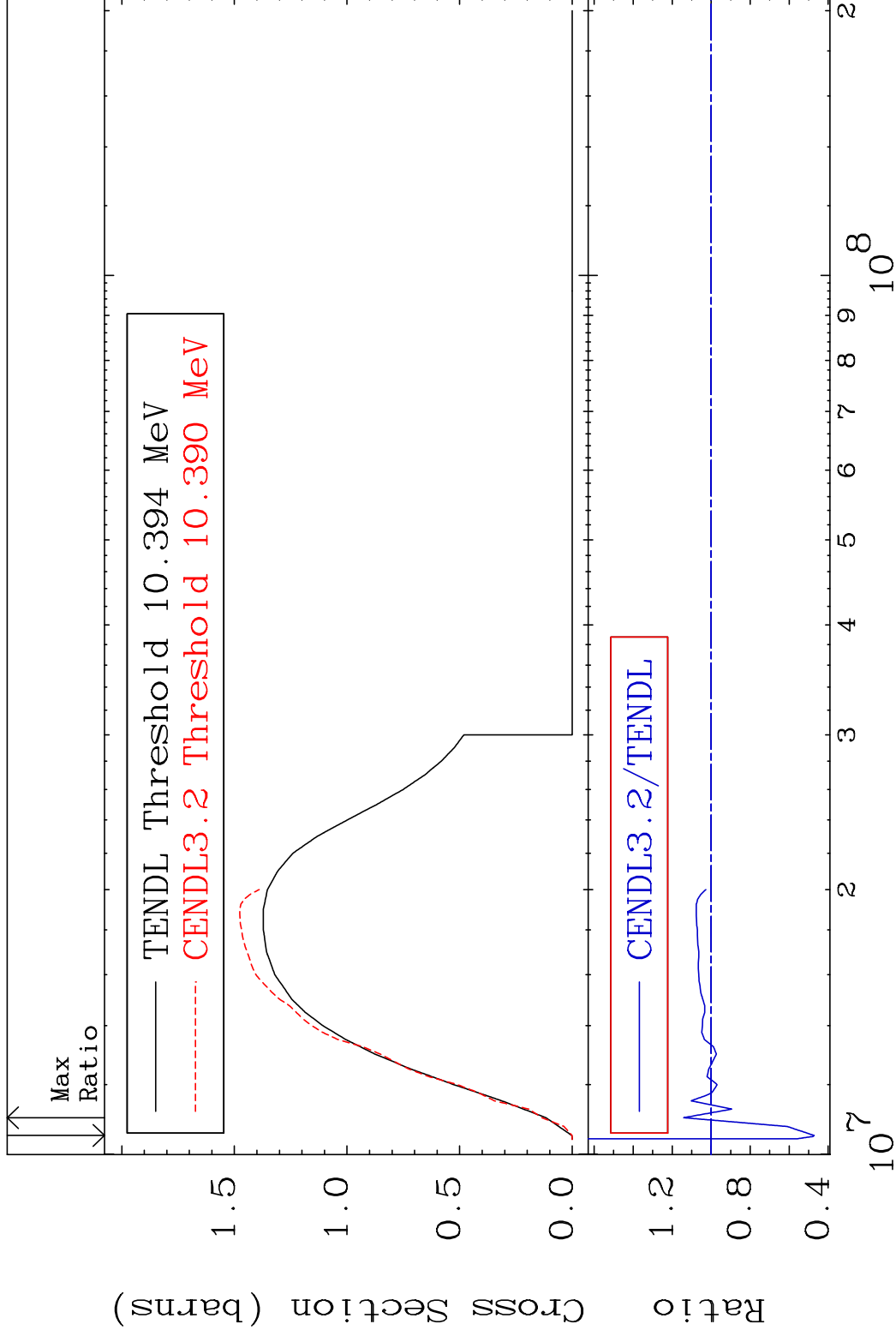


MAT 5031

(n,2n)

50-Sn-114

Cross Section -52.77 To 14.11 %



4

Incident Energy (eV)

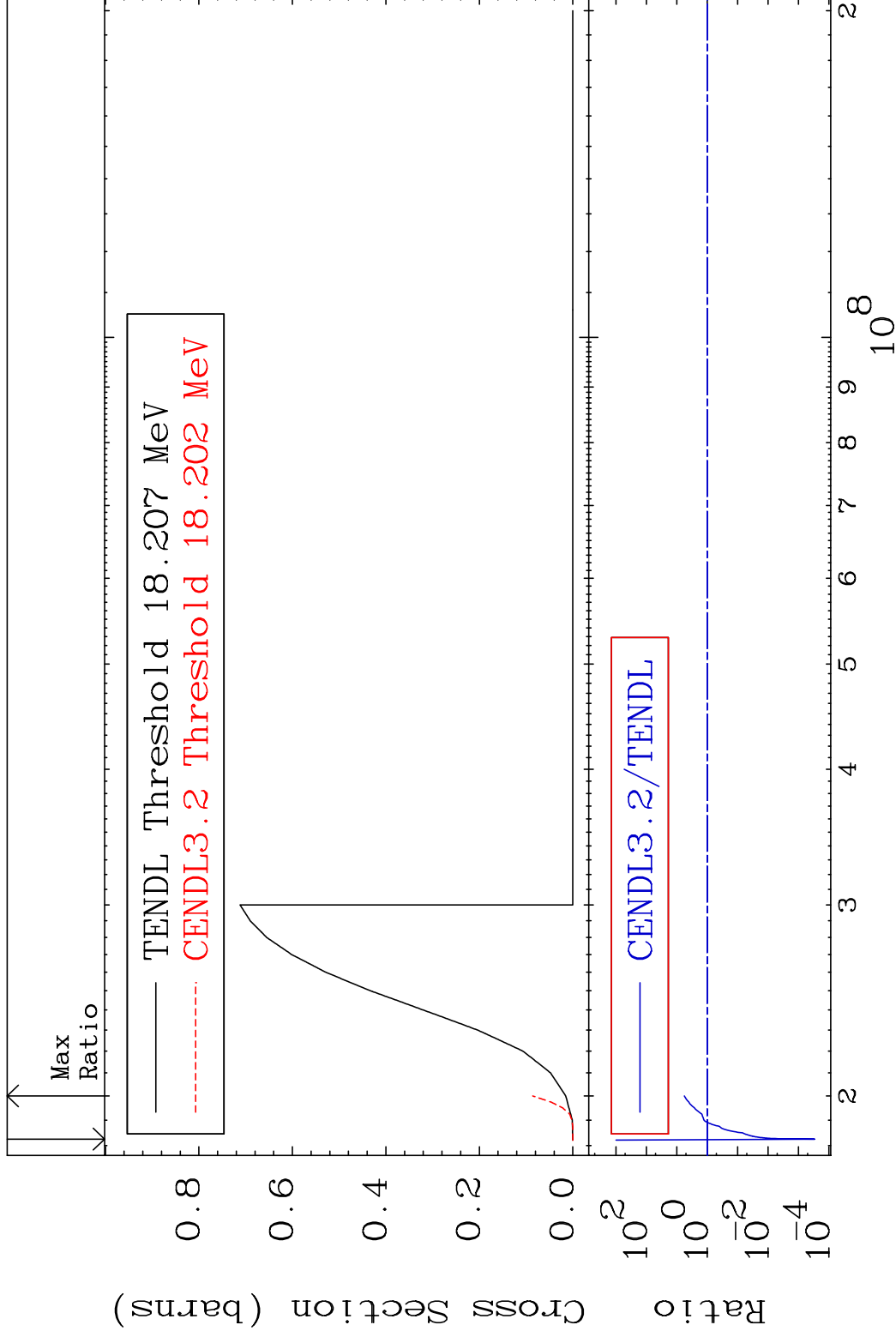
50-Sn-114

MAT 5031

(n,3n)

50-Sn-114

Cross Section -99.97 To 464.3 %



5

Incident Energy (eV)

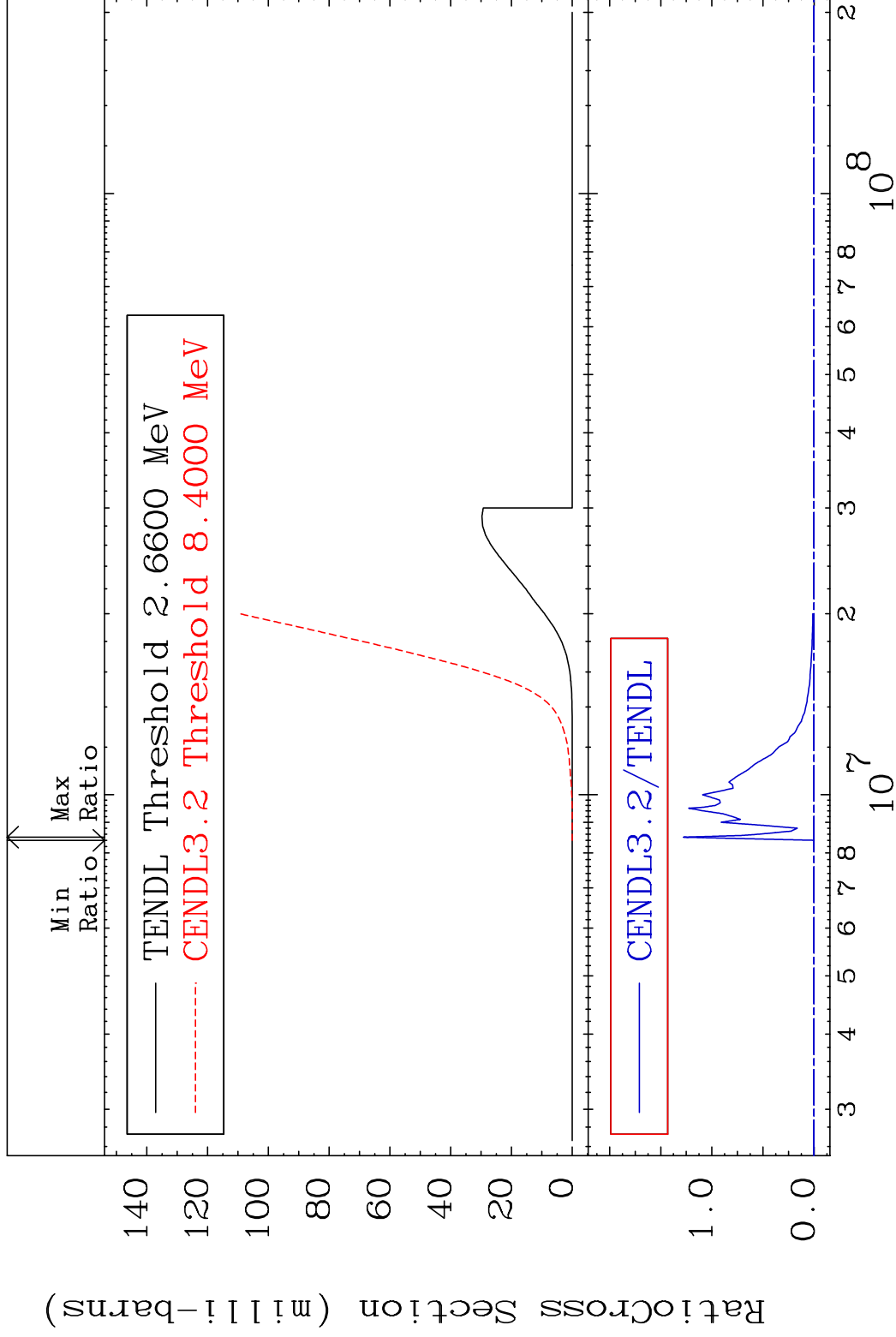
50-Sn-114

MAT 5031

(n, n') α

50-Sn-114

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

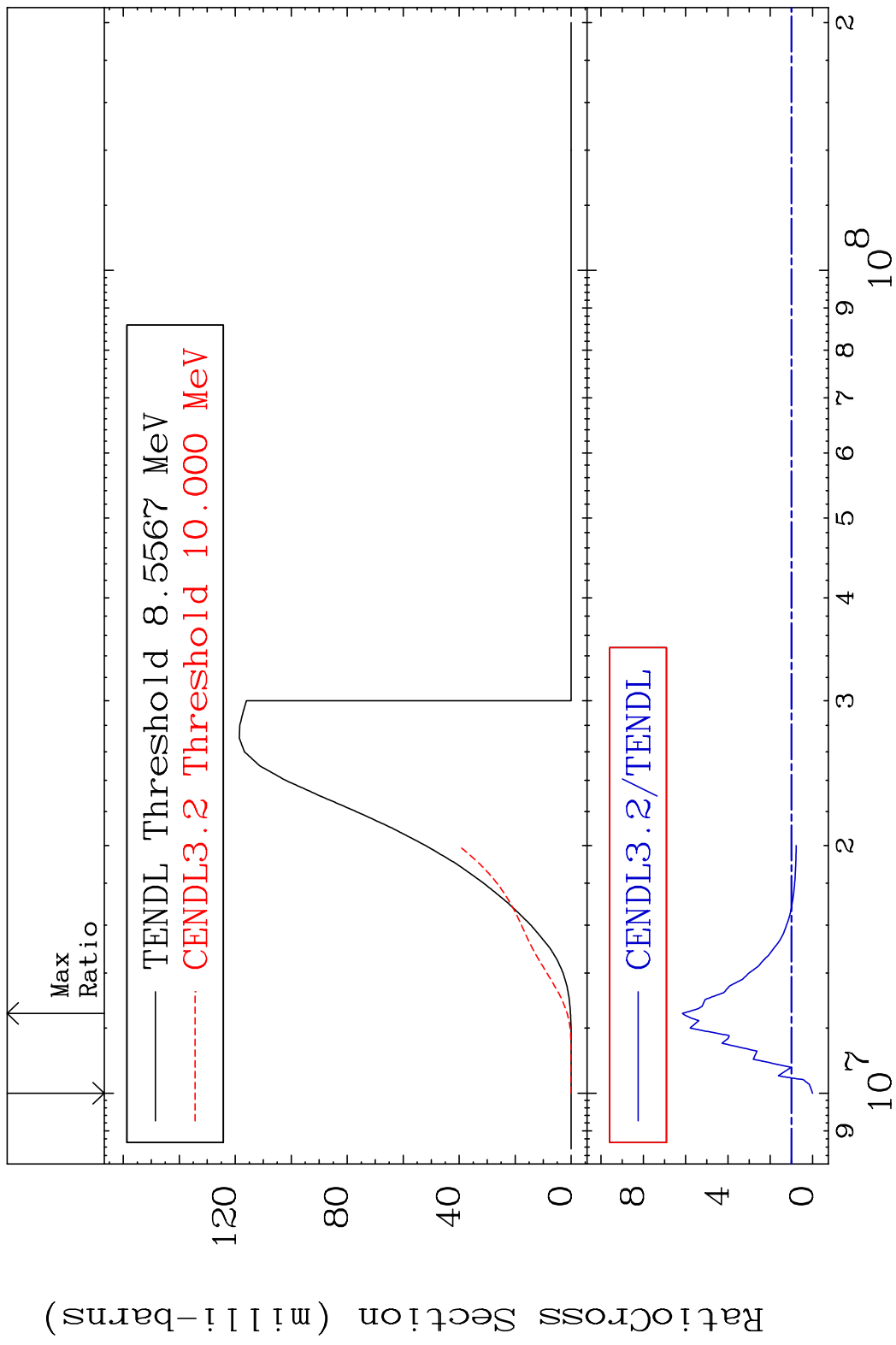
50-Sn-114

MAT 5031

(n, n') p

50-Sn-114

Cross Section -100.0 To 515.7 %



7

Incident Energy (eV)

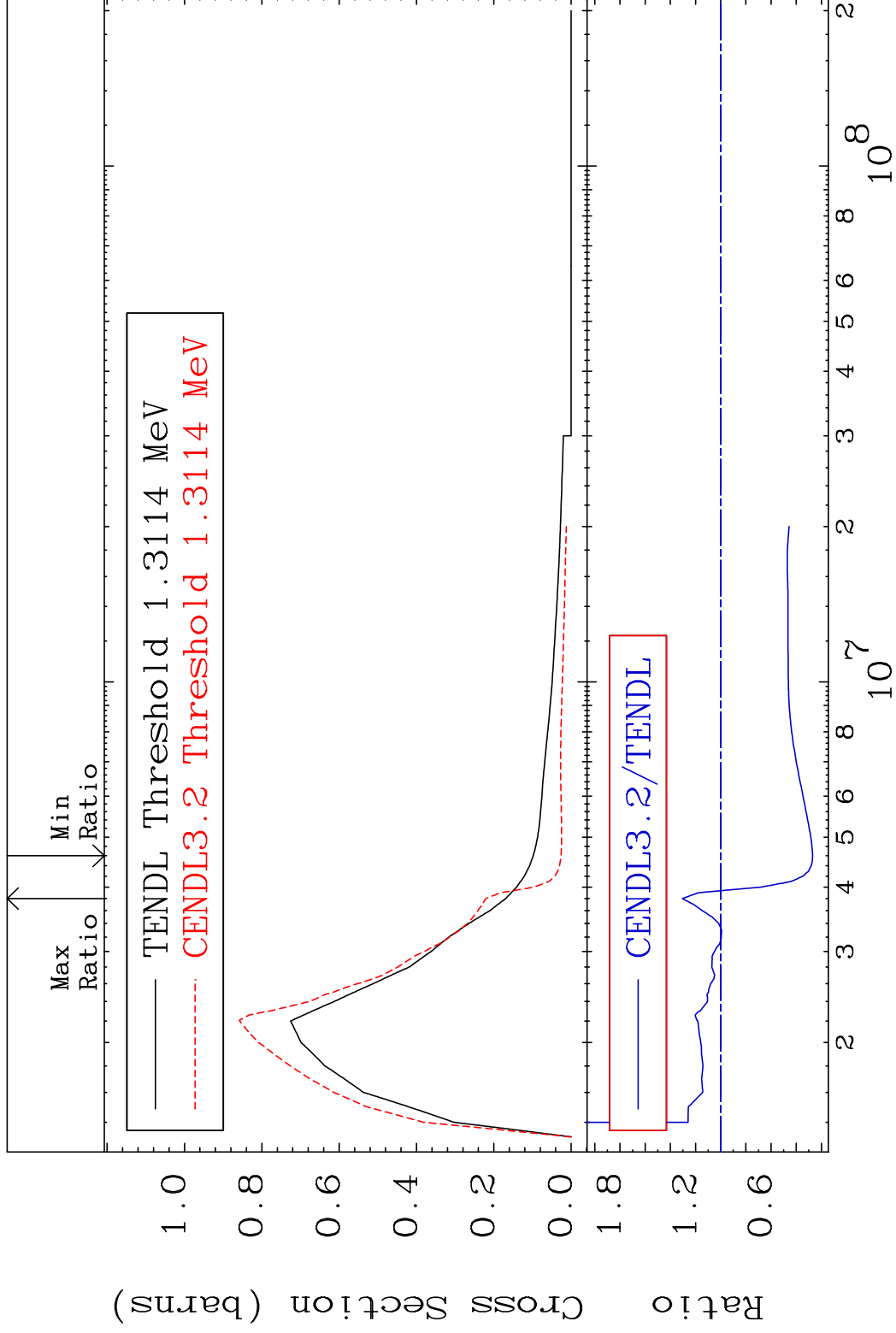
50-Sn-114

MAT 5031

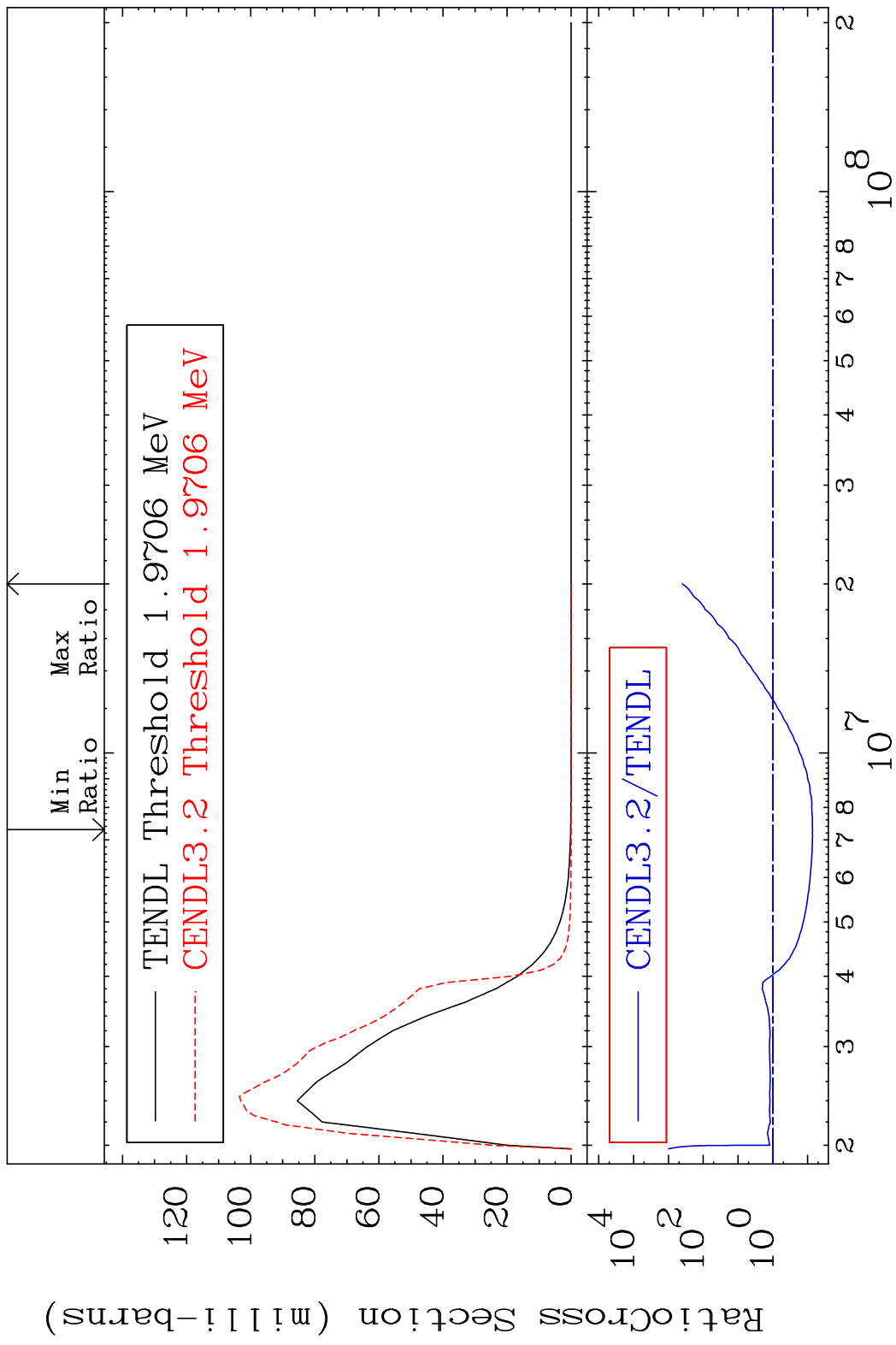
MT= 51 (n,n') Level

50-Sn-114

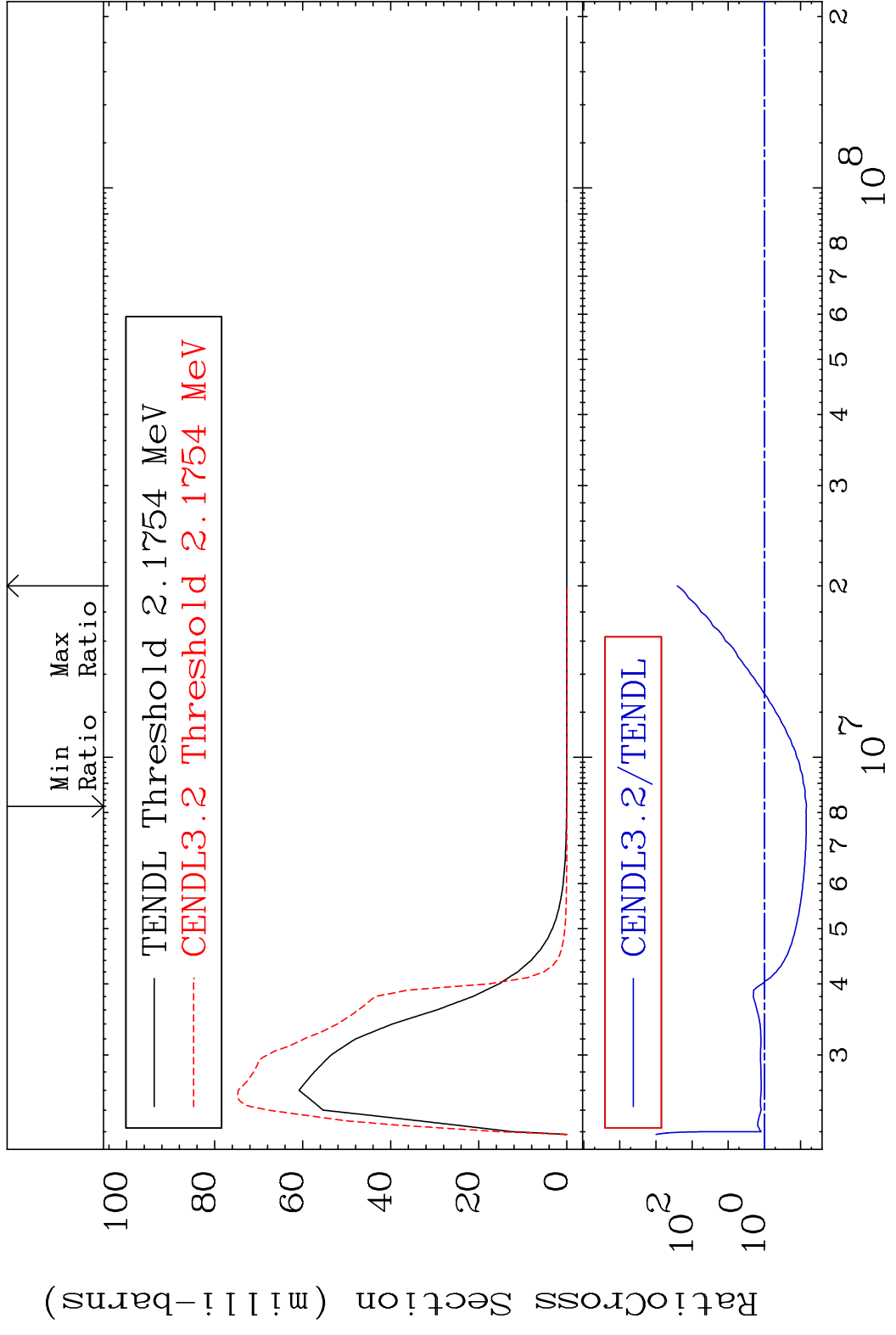
Cross Section -72.96 To 30.45 %



MAT 5031 MT= 52 (n, n') Level 50-Sn-114
 Cross Section -92.75 To 9999. %

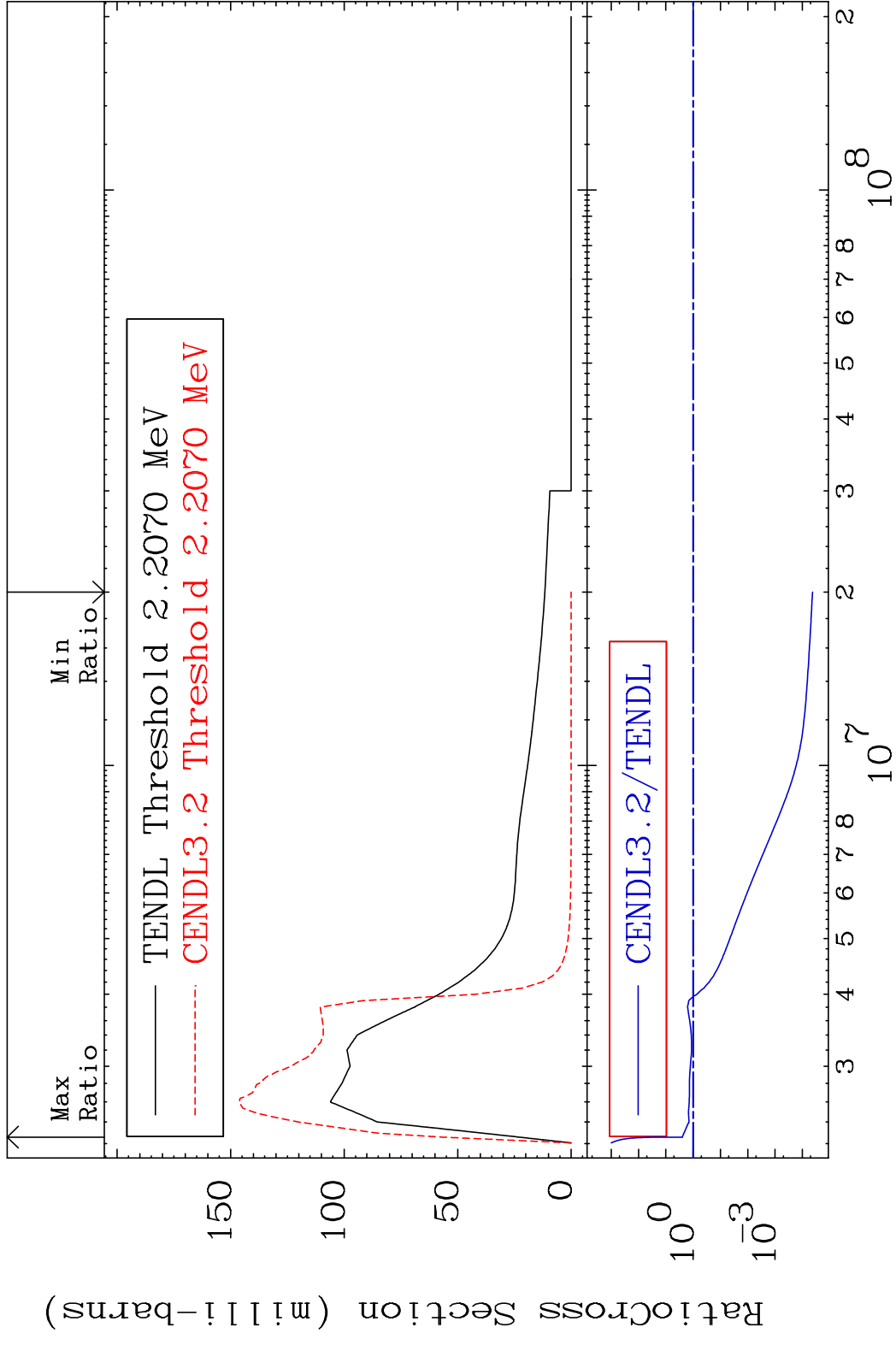


MAT 5031 MT= 53 (n, n') Level 50-Sn-114
 Cross Section -93.14 To 9999. %

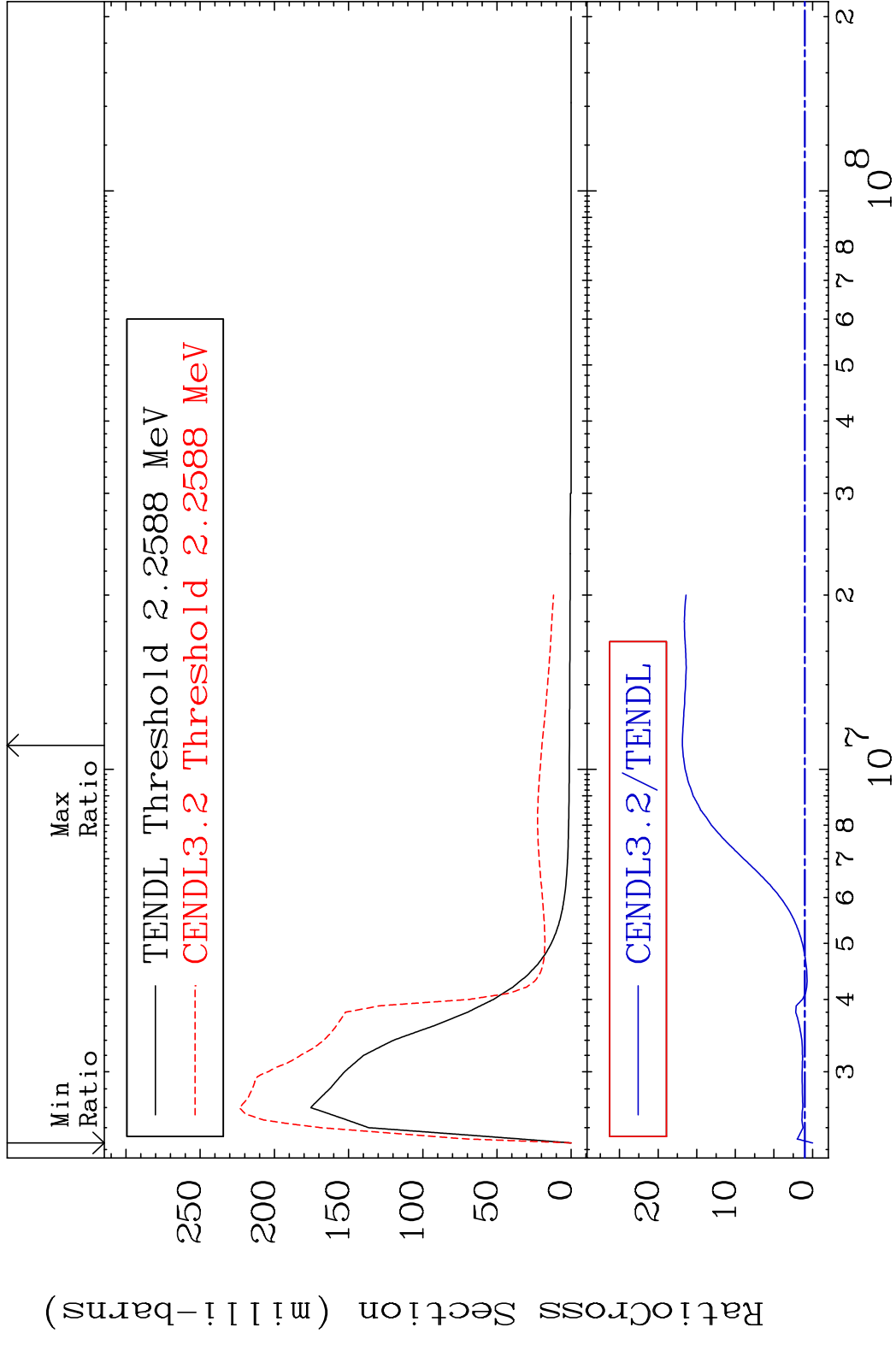


10 Incident Energy (eV) 50-Sn-114

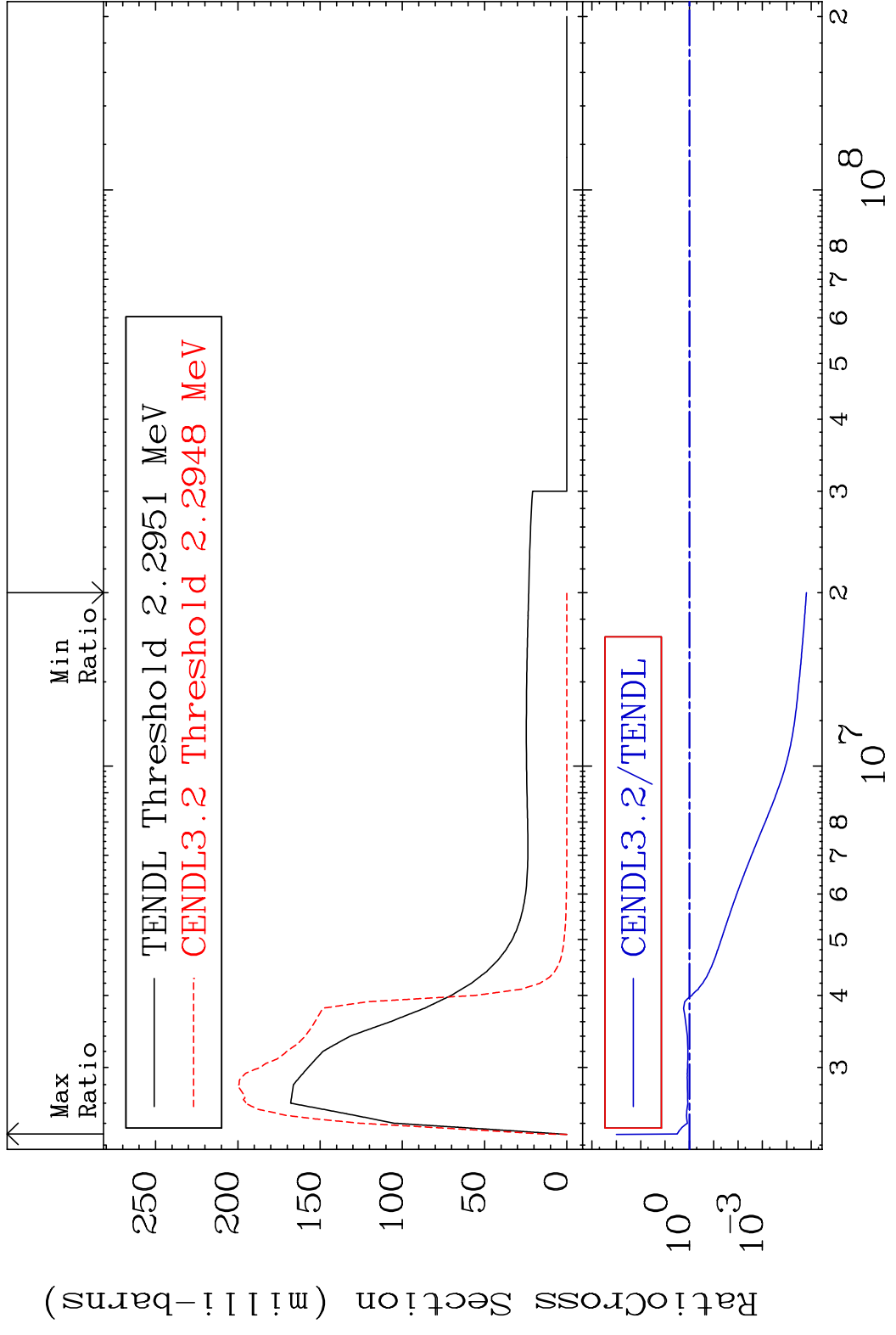
MAT 5031 MT= 54 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 148.2 %



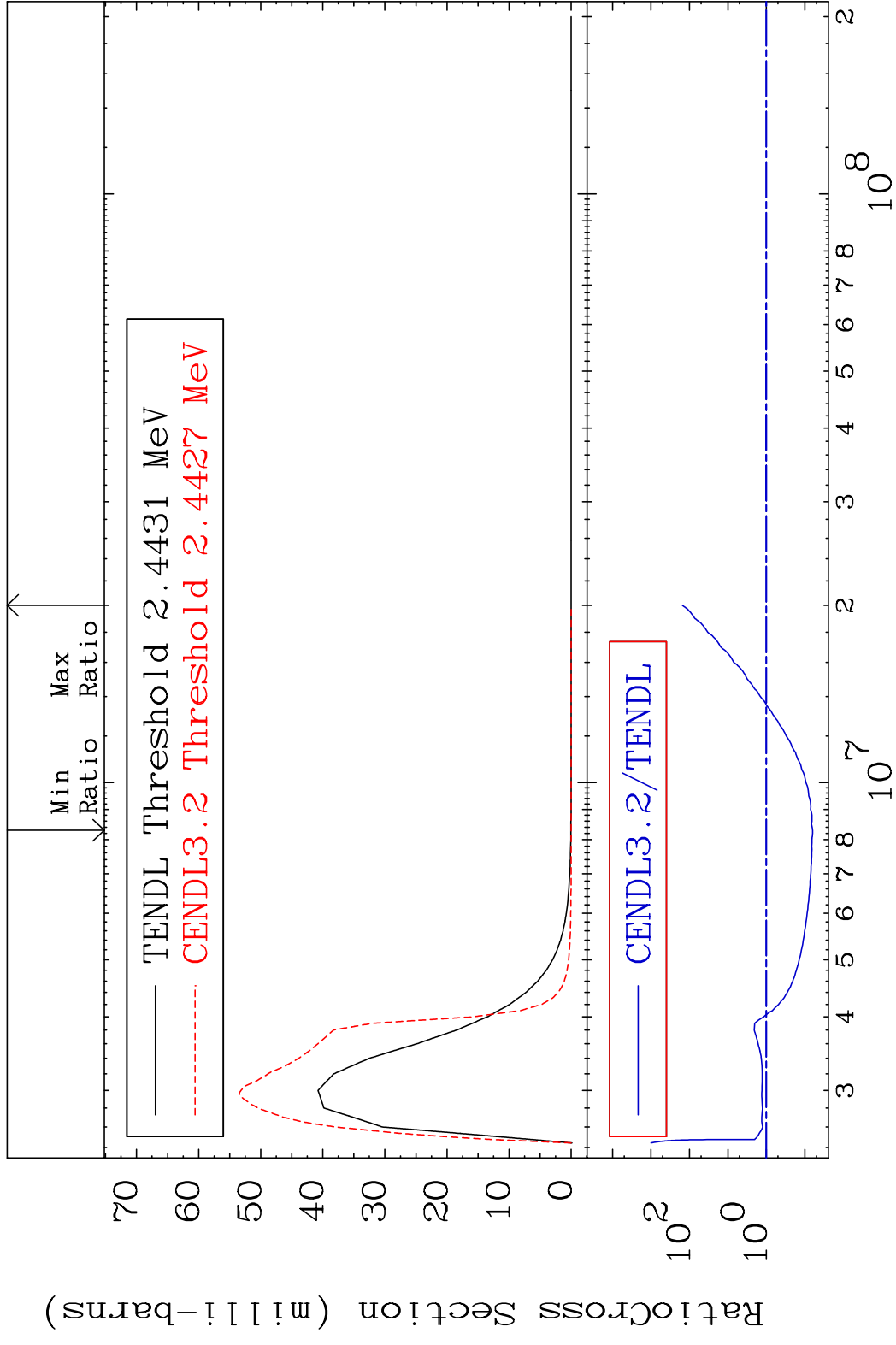
MAT 5031 MT= 55 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 1586. %



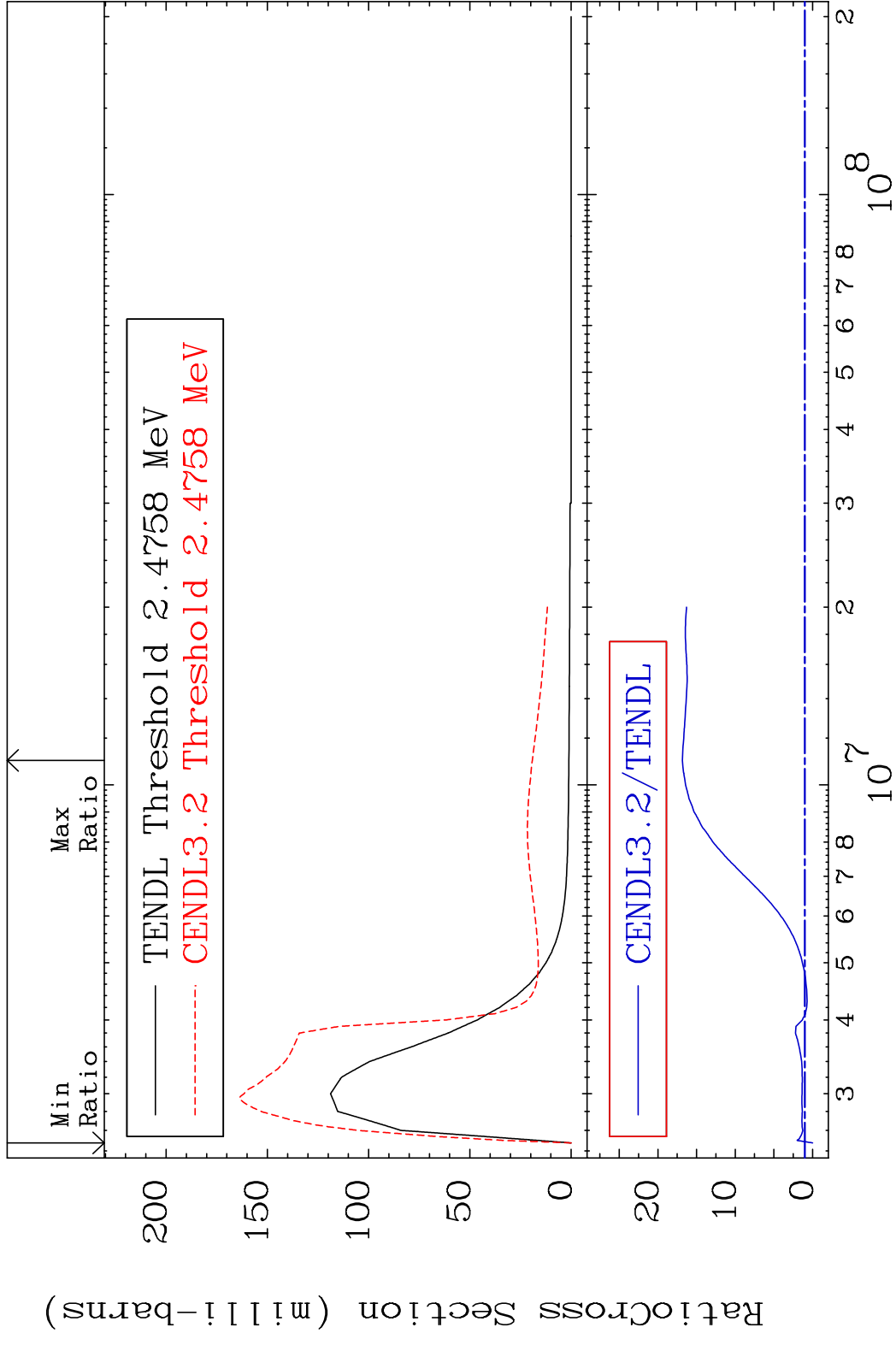
MAT 5031 MT= 56 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 216.7 %



MAT 5031 MT= 57 (n,n') Level 50-Sn-114
 Cross Section -93.70 To 9999. %

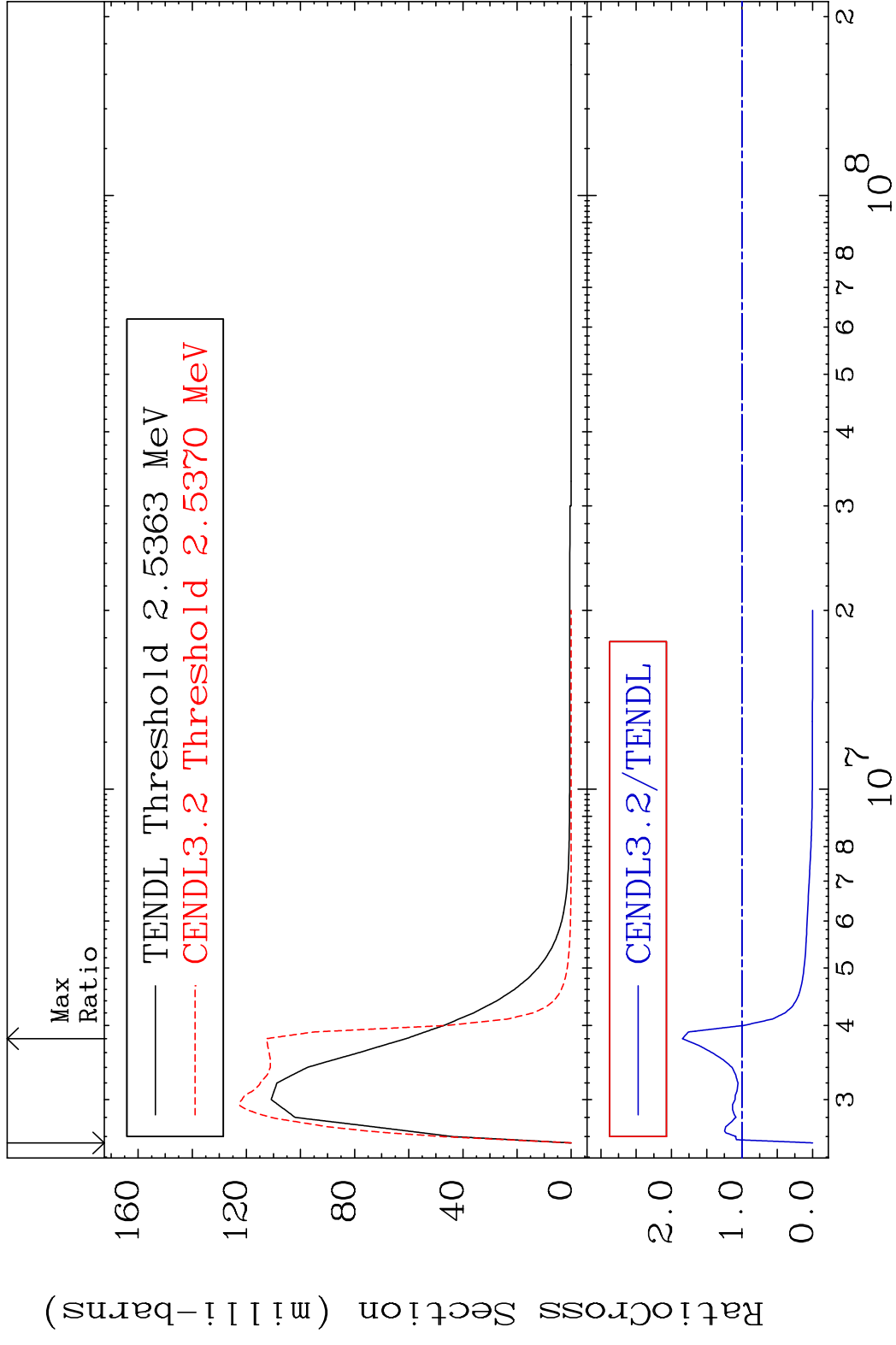


MAT 5031 MT= 58 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 1584. %

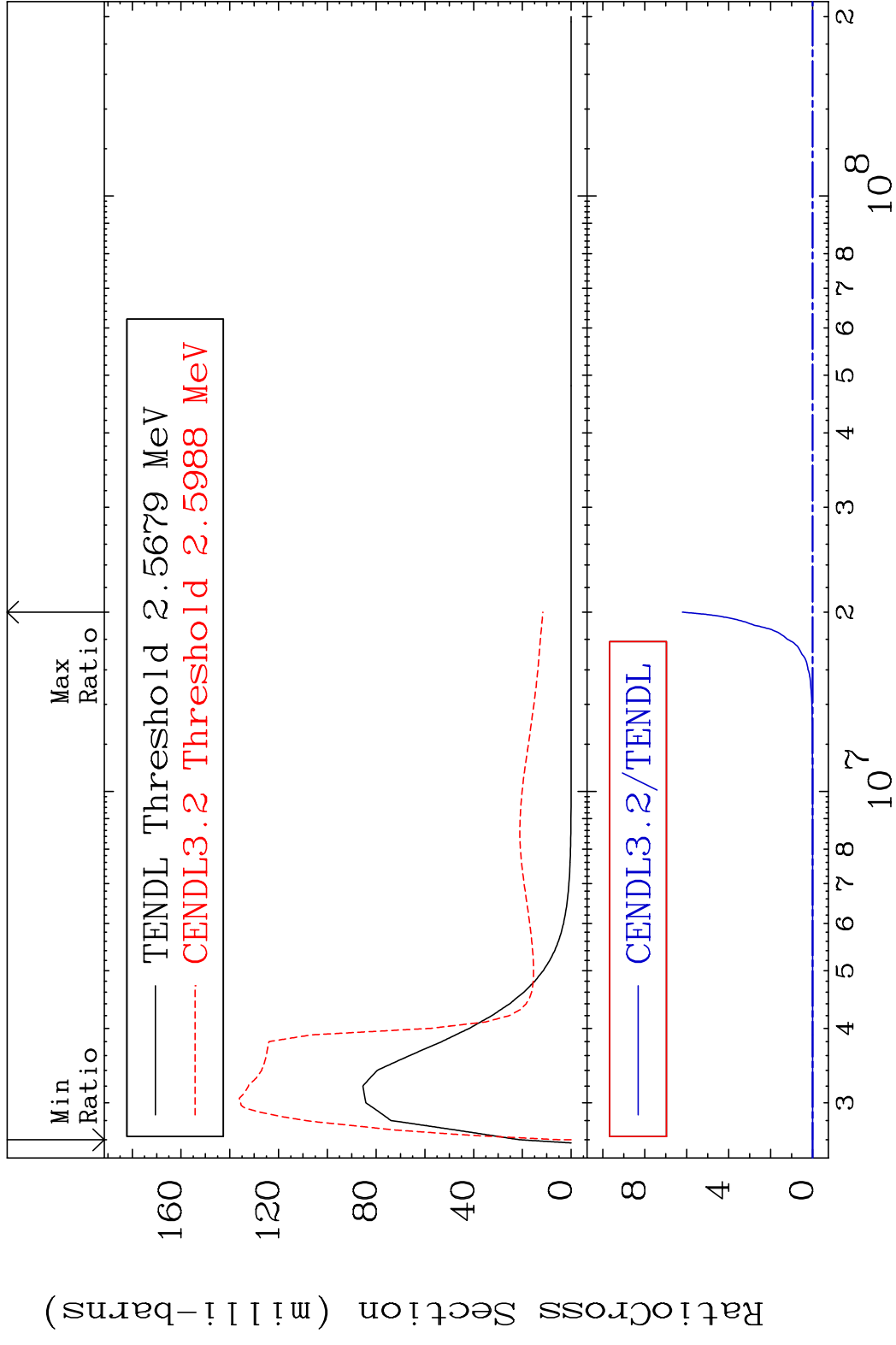


15 50-Sn-114

MAT 5031 MT= 59 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 84.51 %

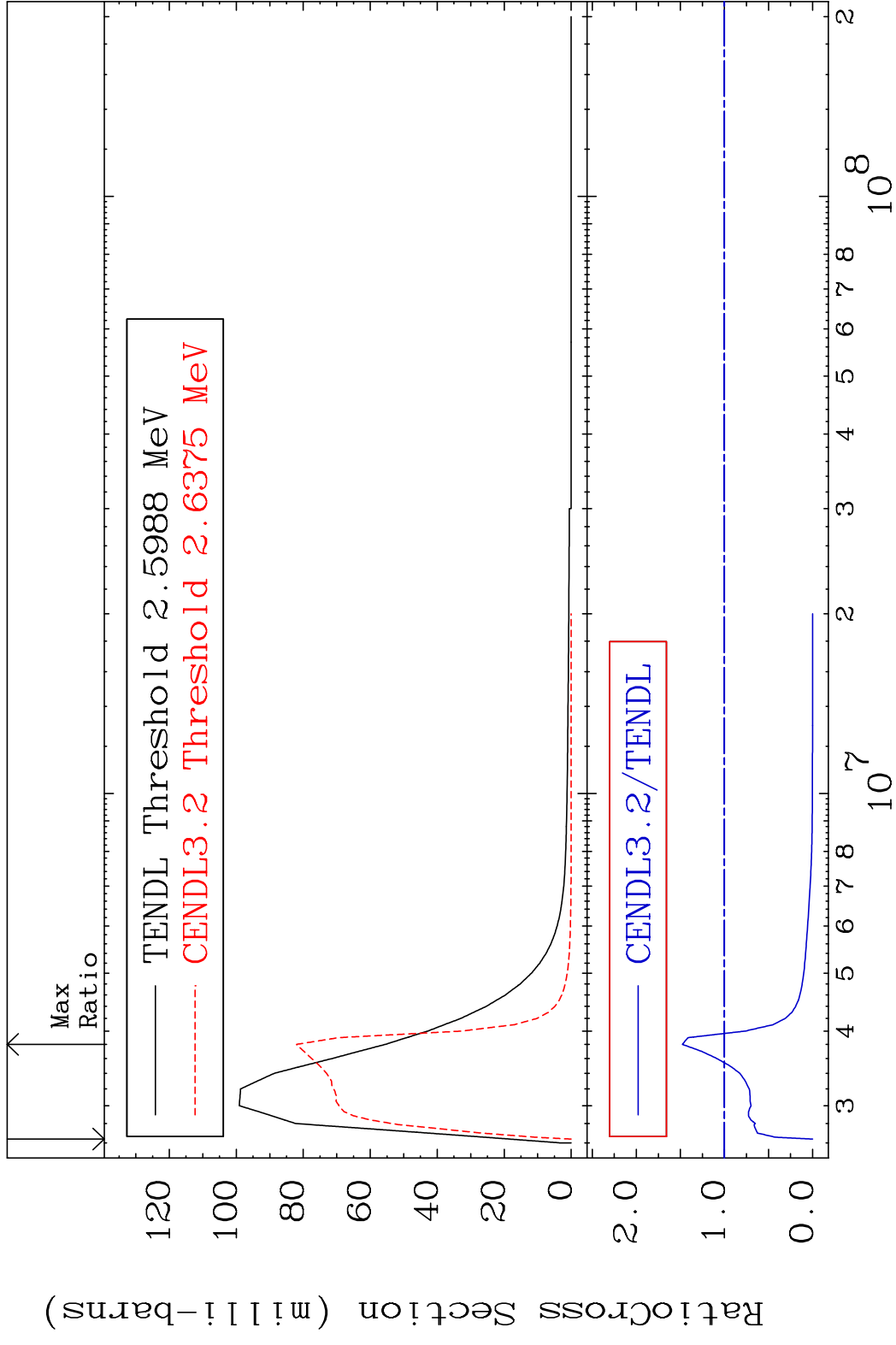


MAT 5031 MT= 60 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %

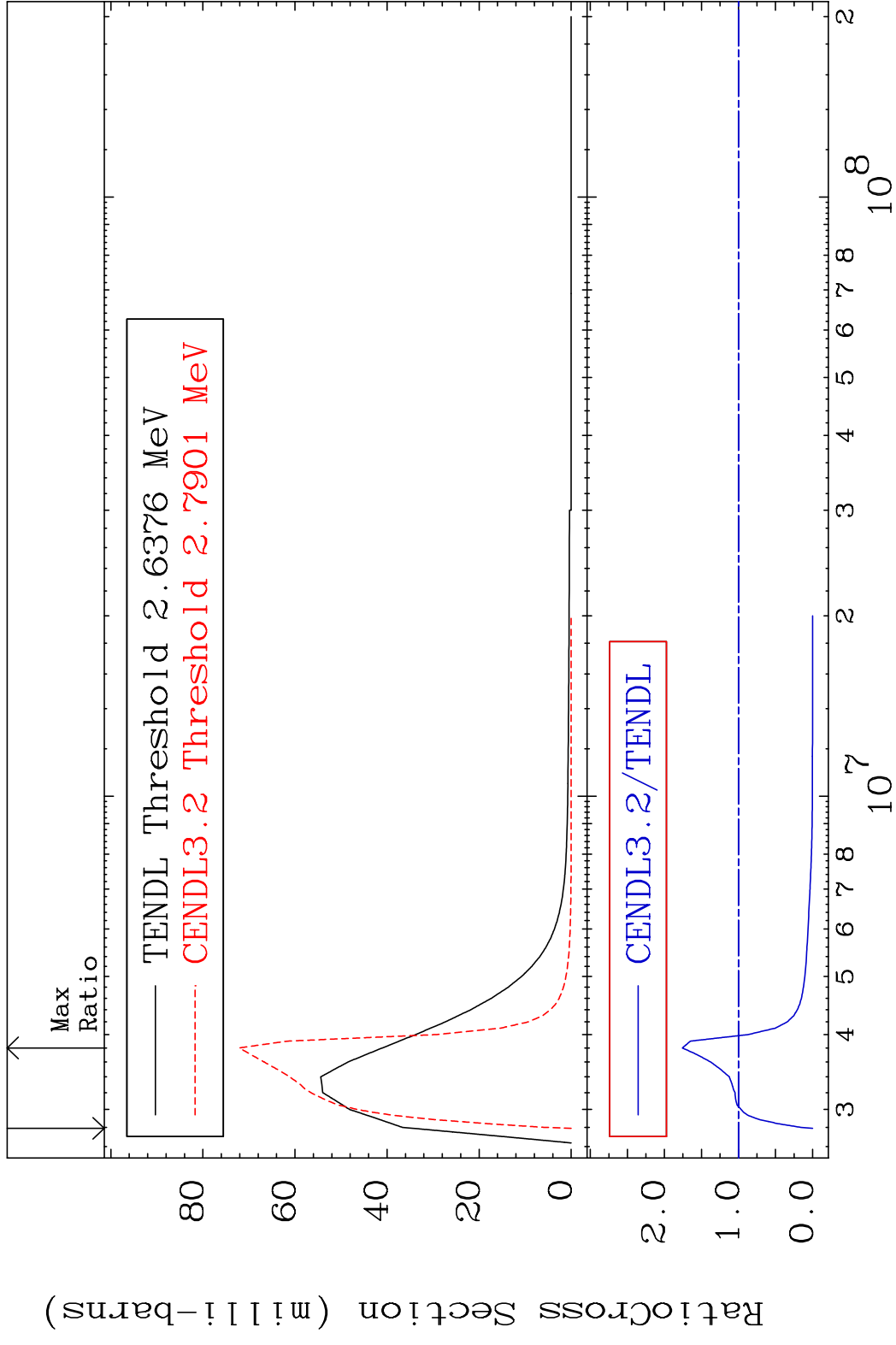


17 50-Sn-114

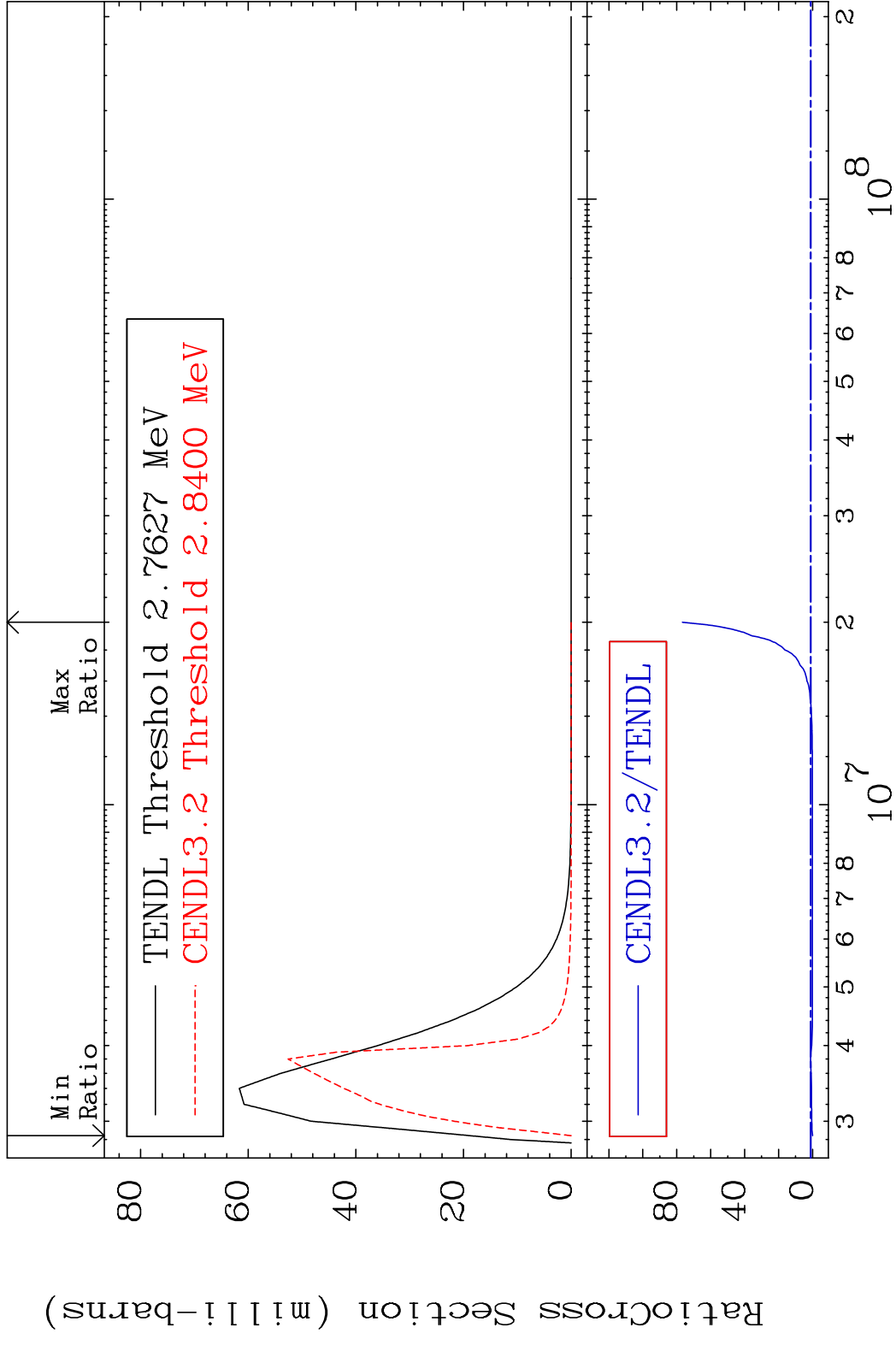
MAT 5031 MT= 61 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 47.78 %



MAT 5031 MT= 62 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 75.79 %



MAT 5031 MT= 63 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 7570. %

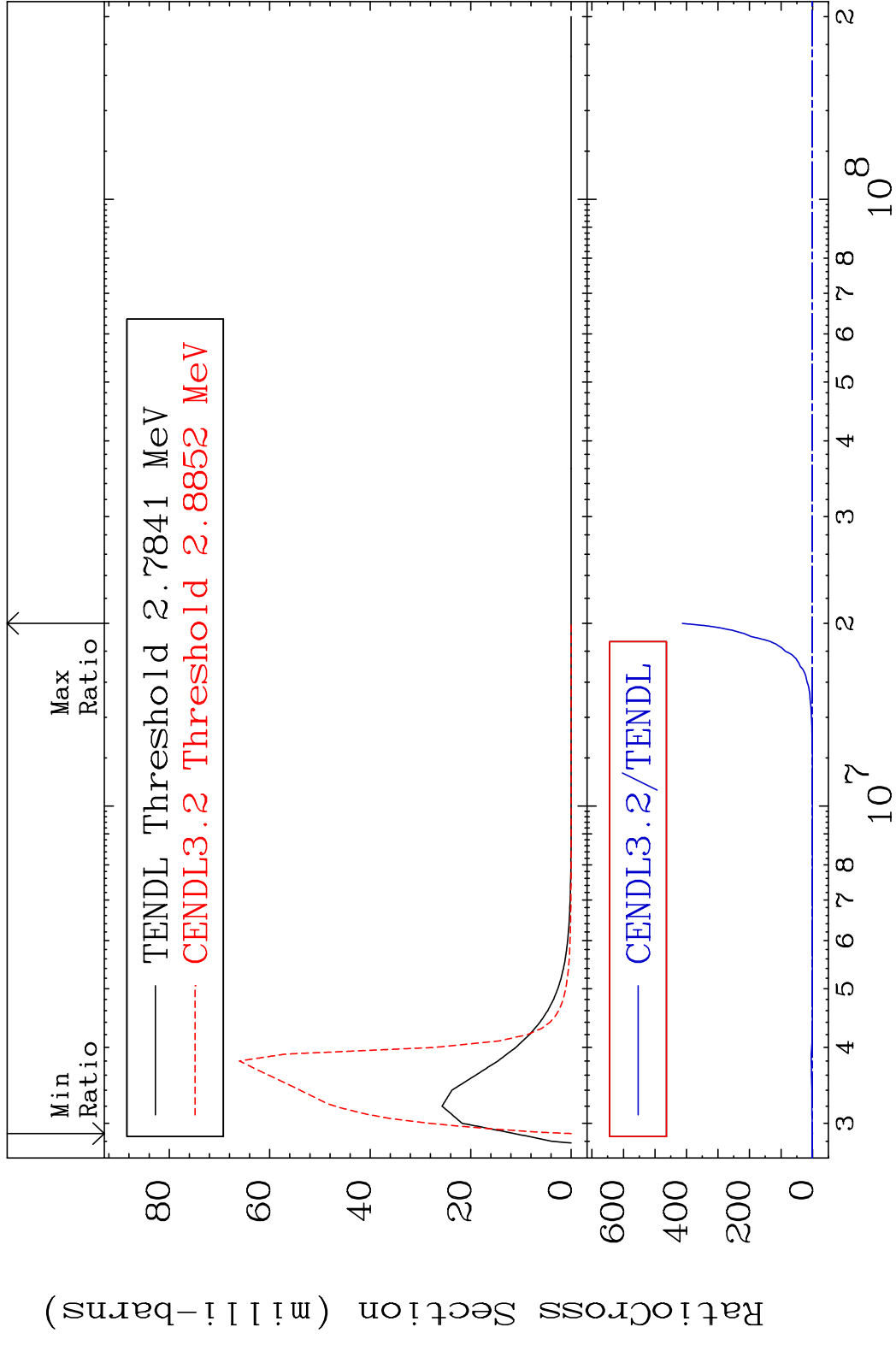


20

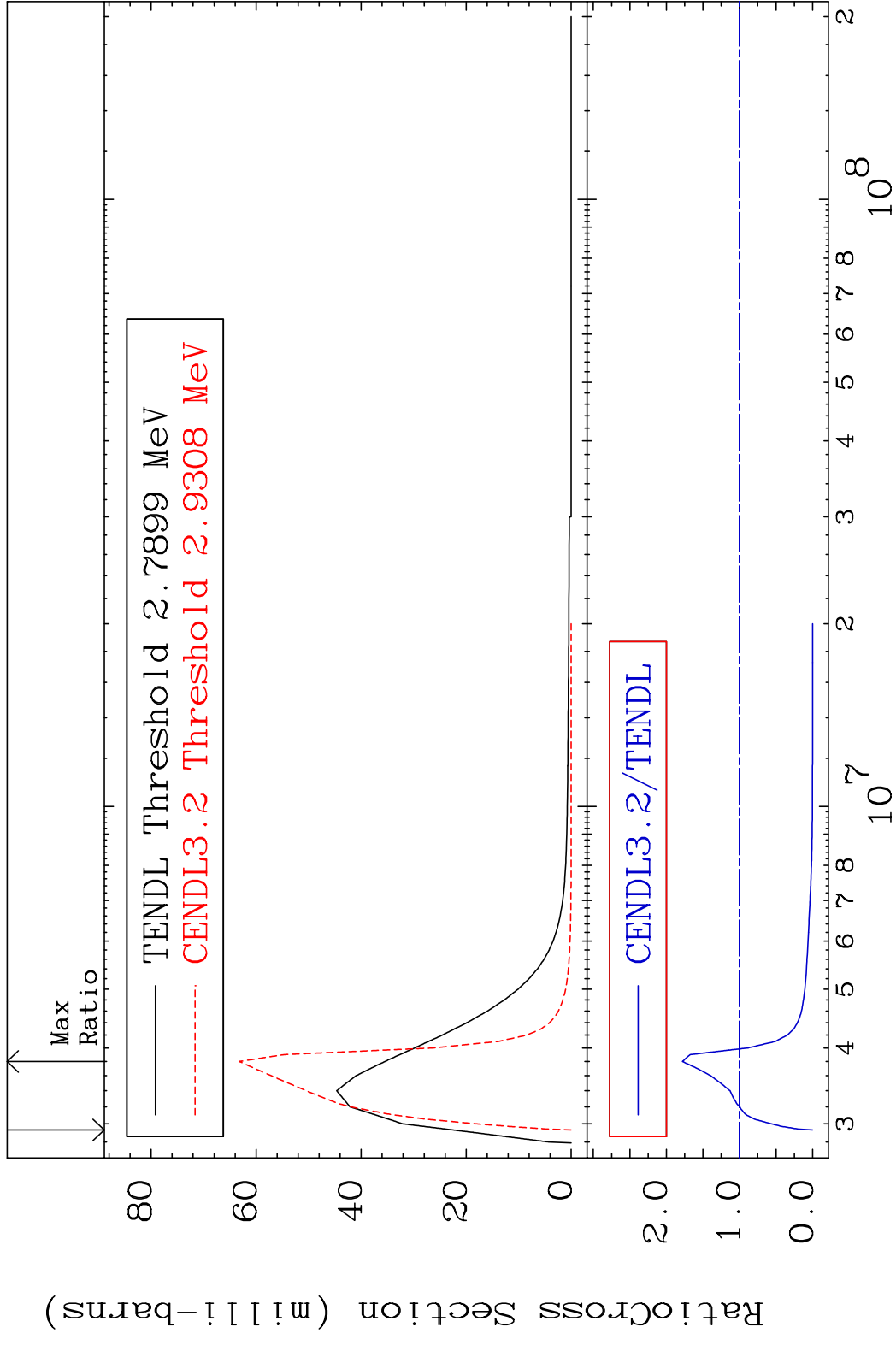
Incident Energy (eV)

50-Sn-114

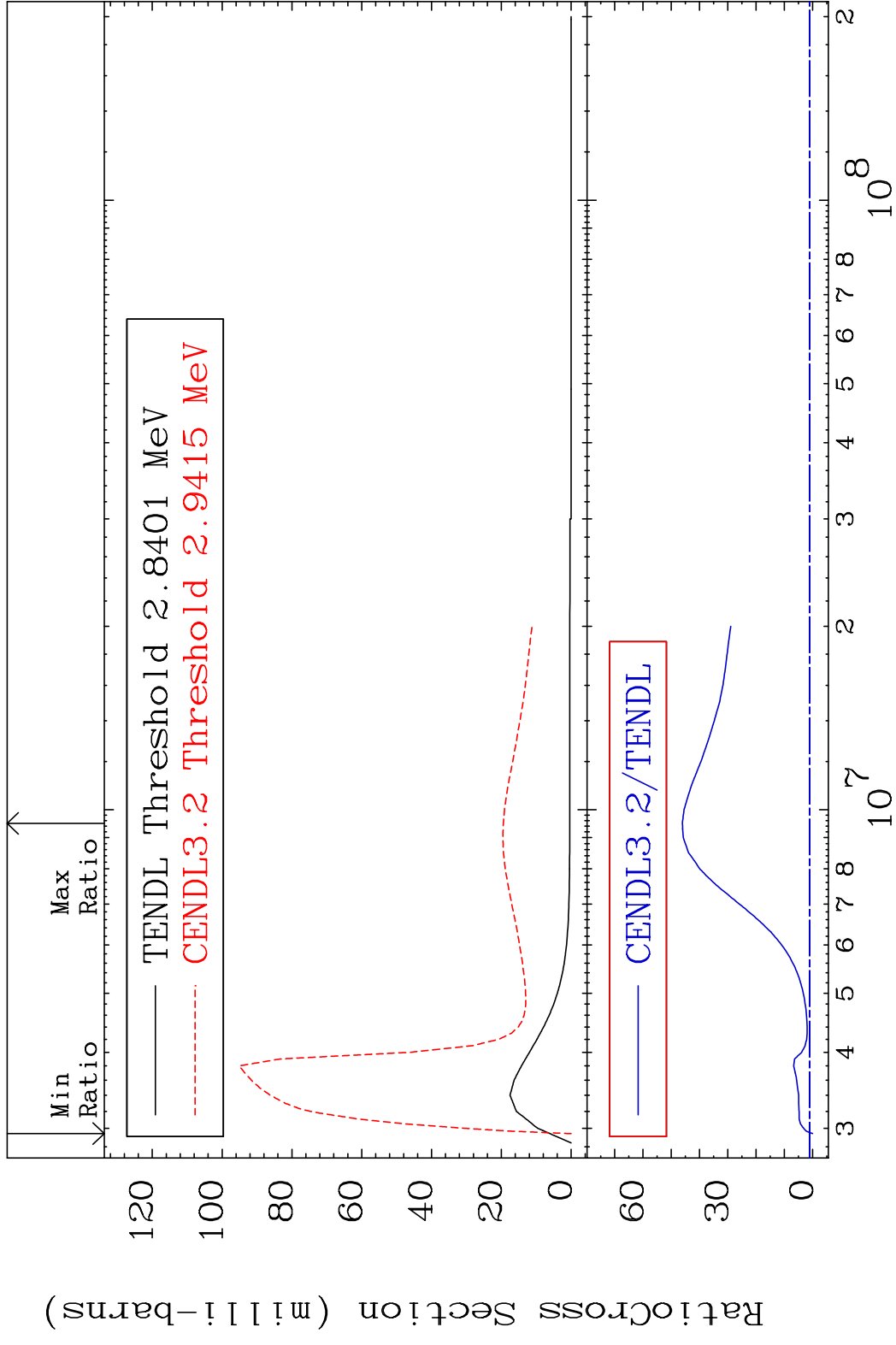
MAT 5031 MT= 64 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



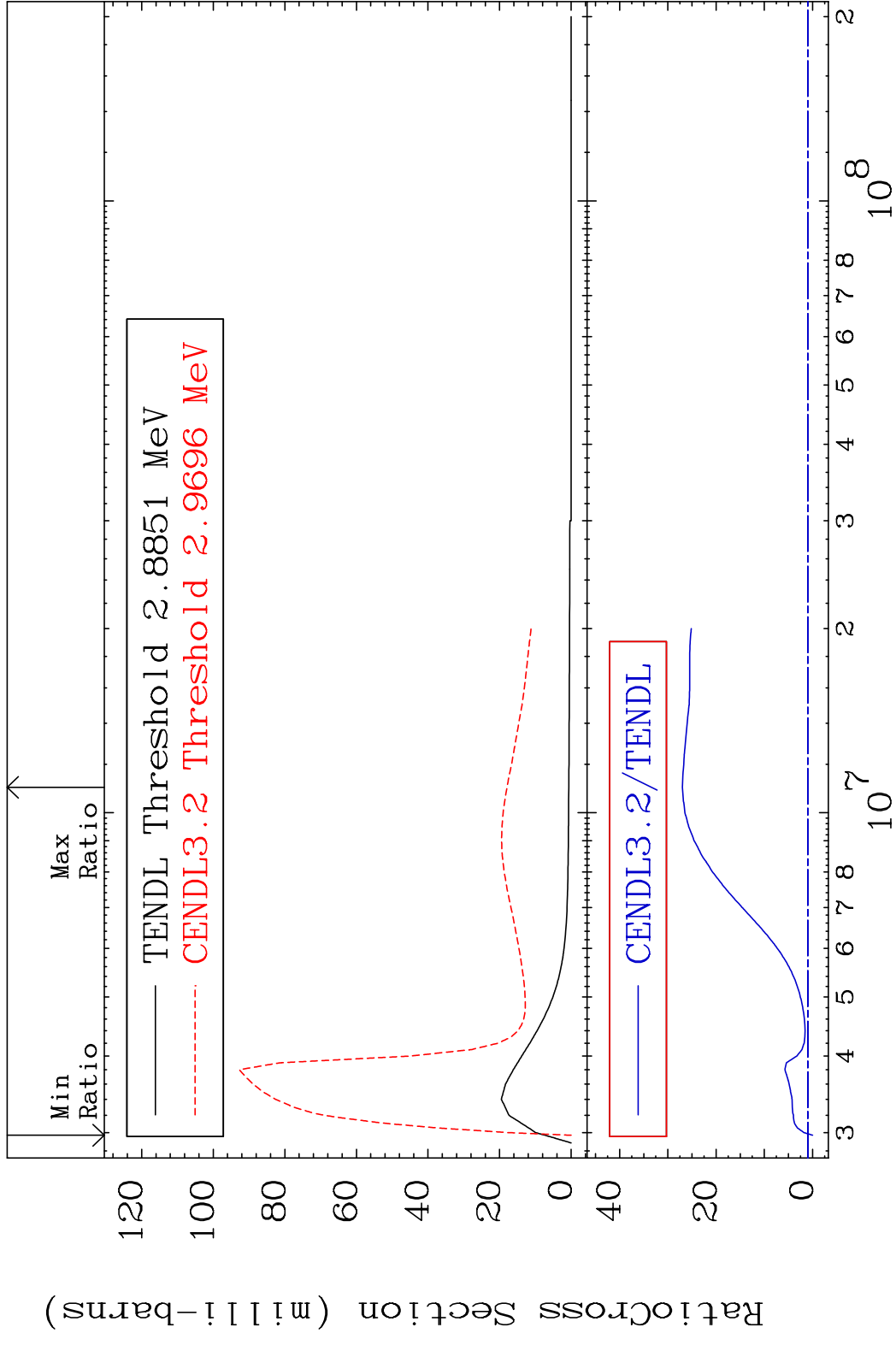
MAT 5031 MT= 65 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 78.18 %



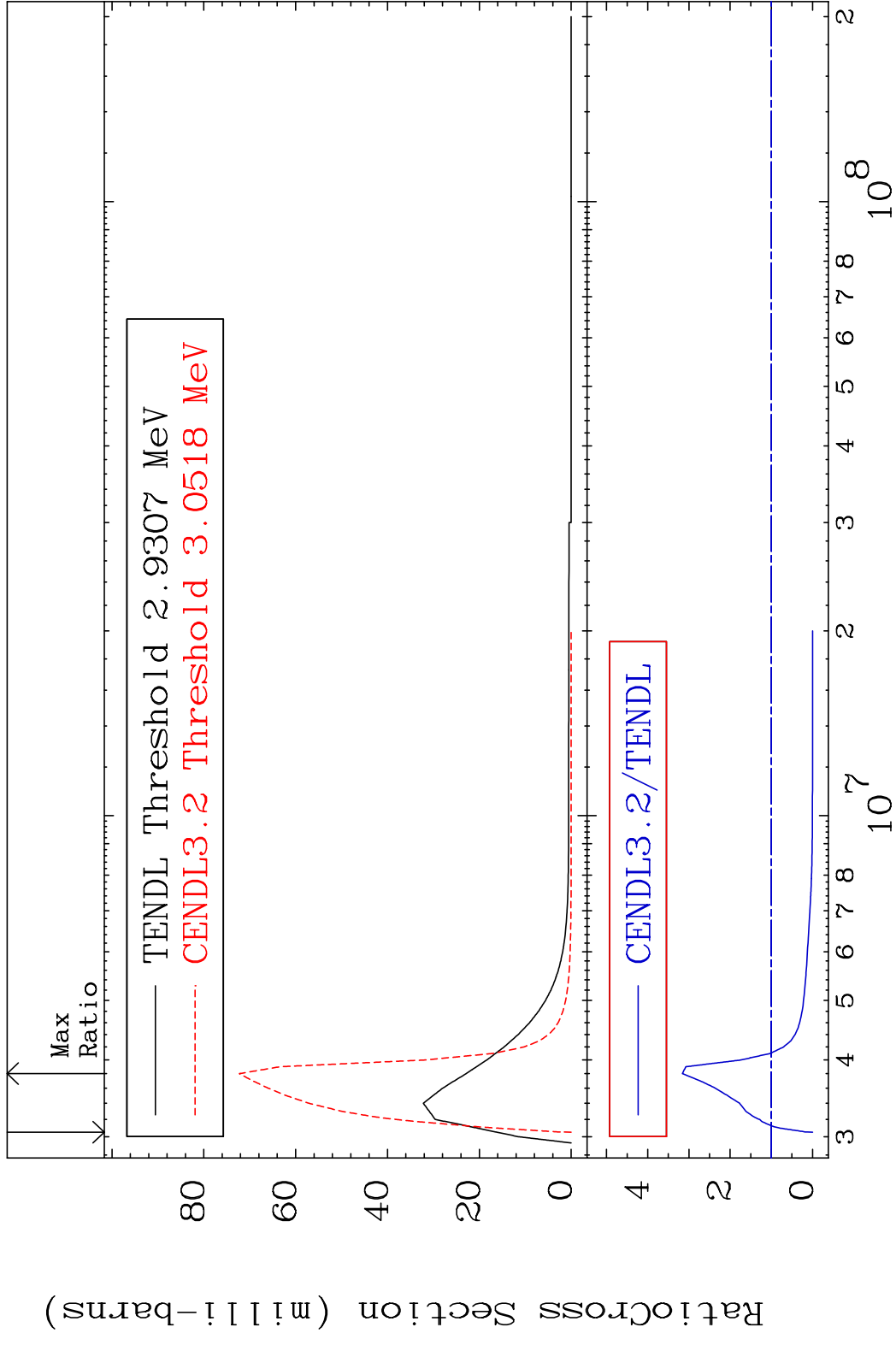
MAT 5031 MT= 66 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 4508. %



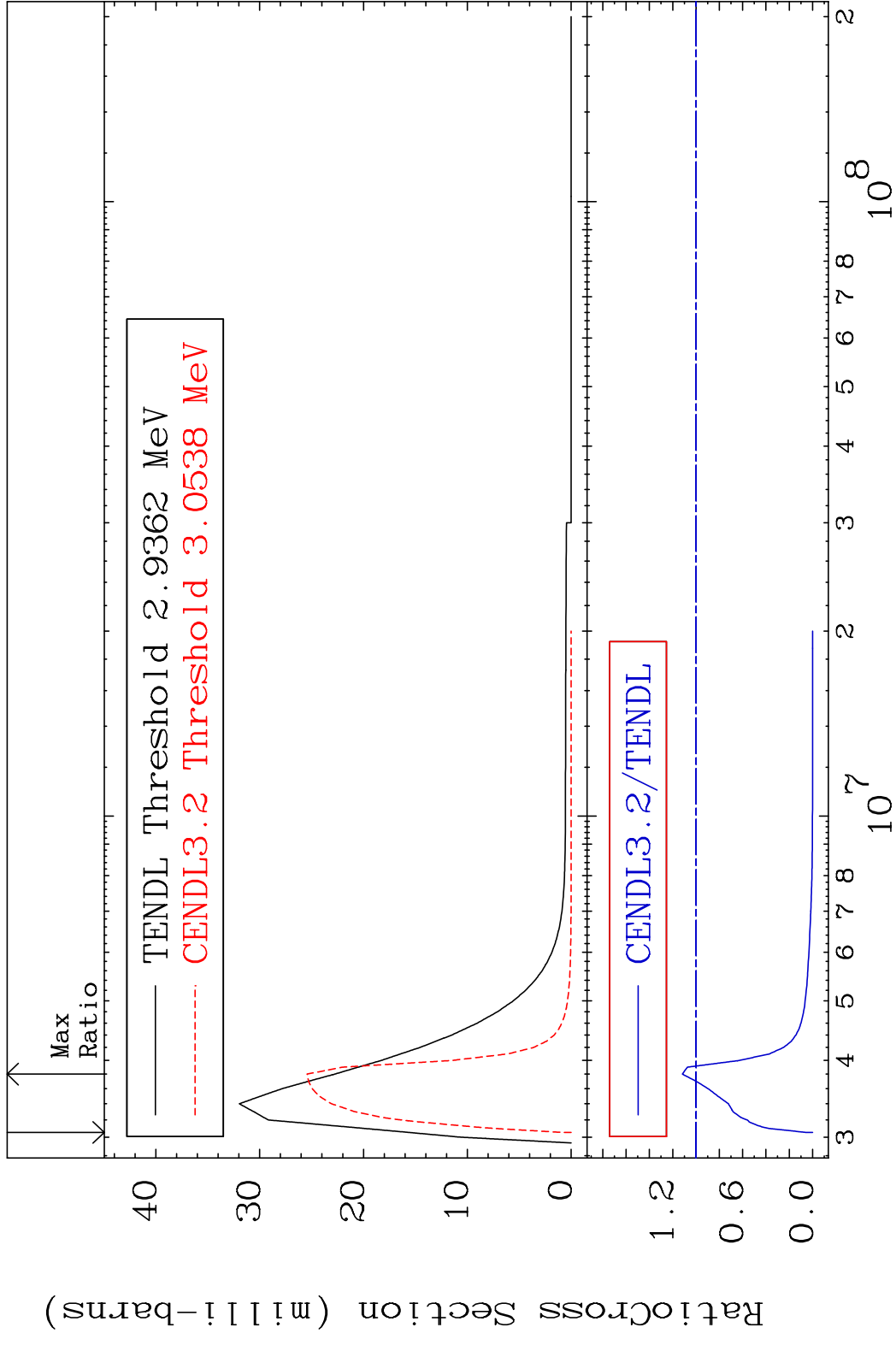
MAT 5031 MT= 67 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 2600. %



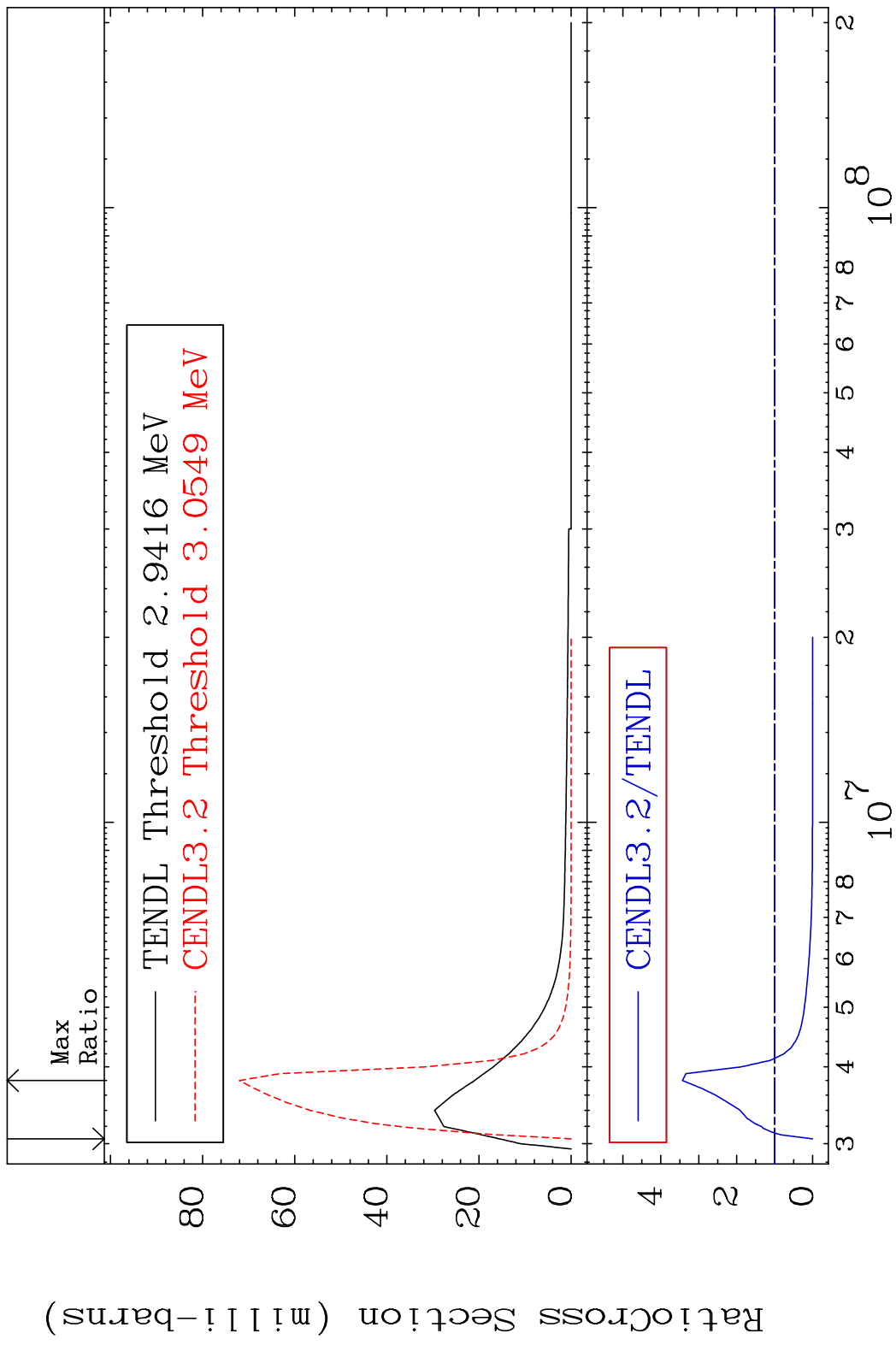
MAT 5031 MT= 68 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 216.0 %



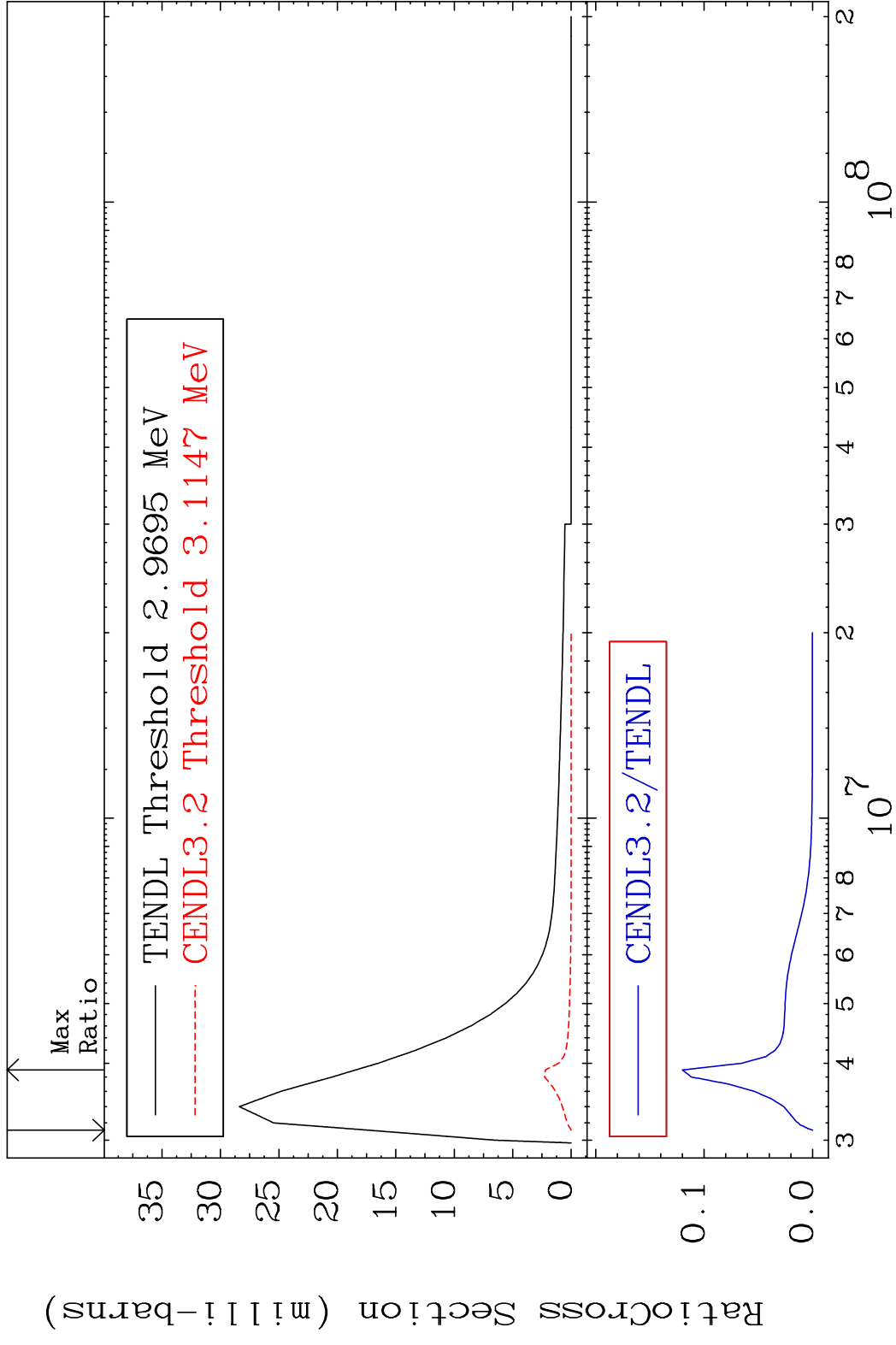
MAT 5031 MT= 69 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 11.73 %



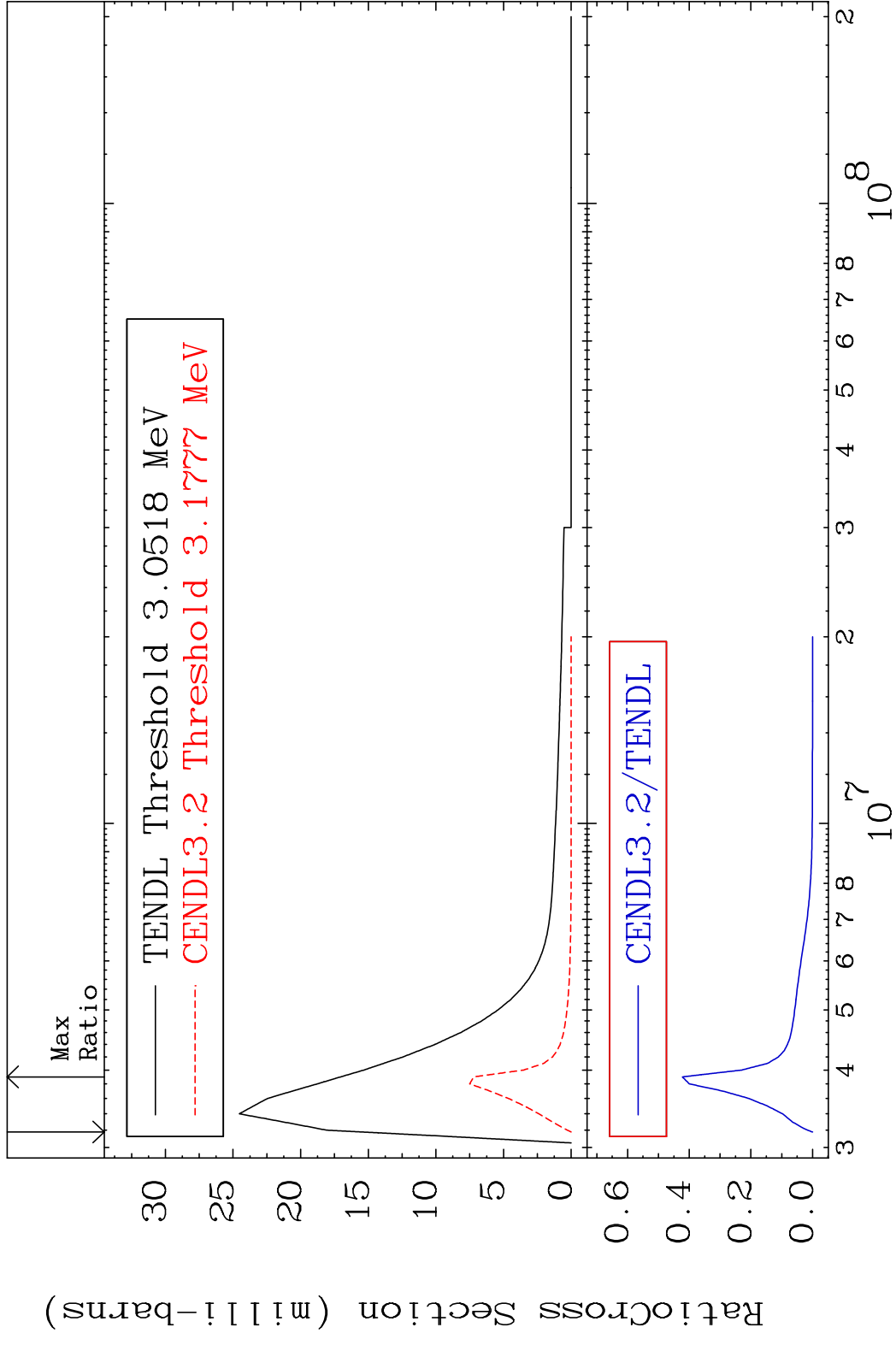
MAT 5031 MT= 70 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 243.2 %



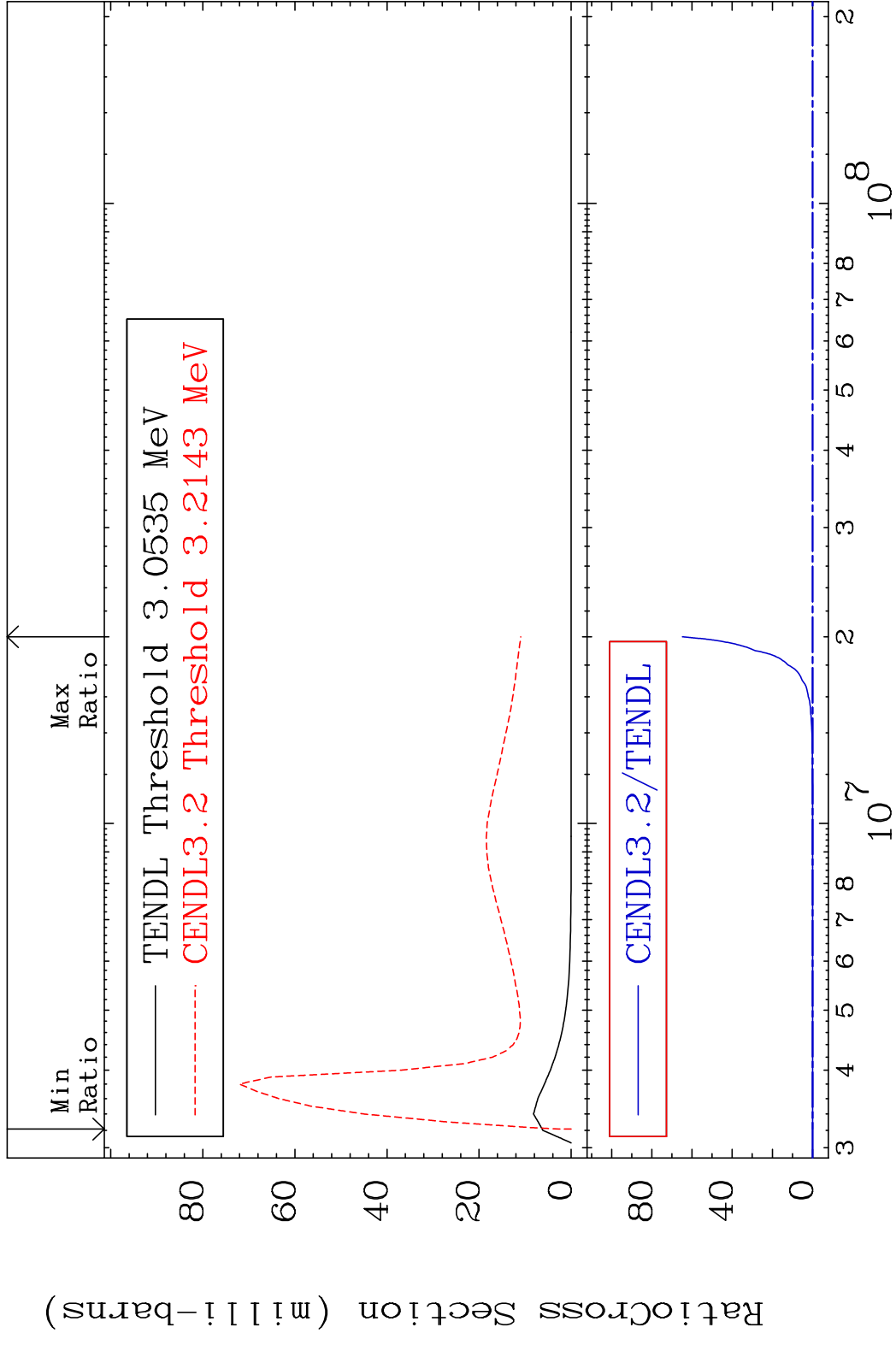
MAT 5031 MT= 71 (n,n') Level 50-Sn-114
 Cross Section -100.0 To -87.99%



MAT 5031 MT= 72 (n,n') Level 50-Sn-114
 Cross Section -100.0 To -57.76%

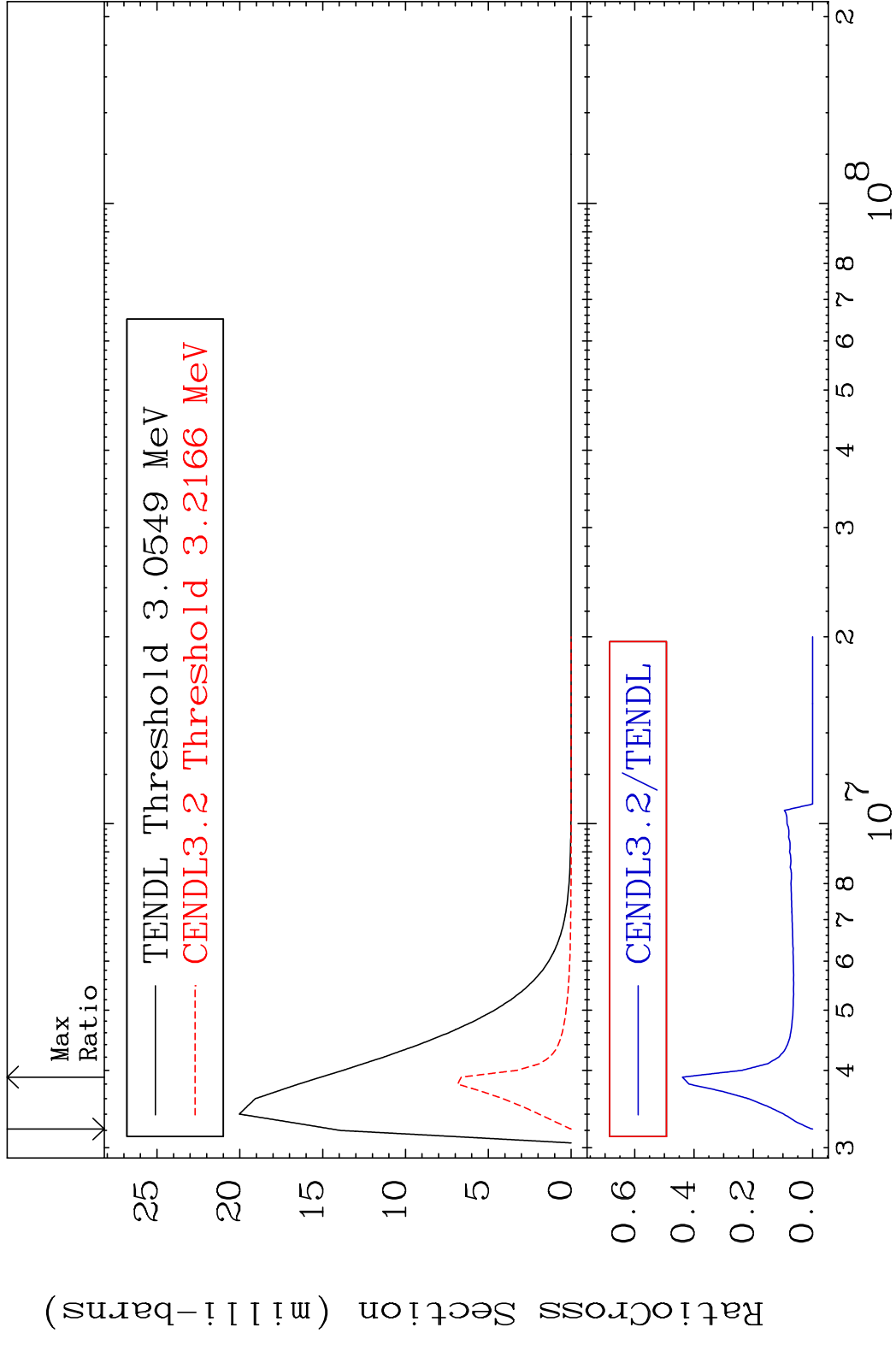


MAT 5031 MT= 73 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %

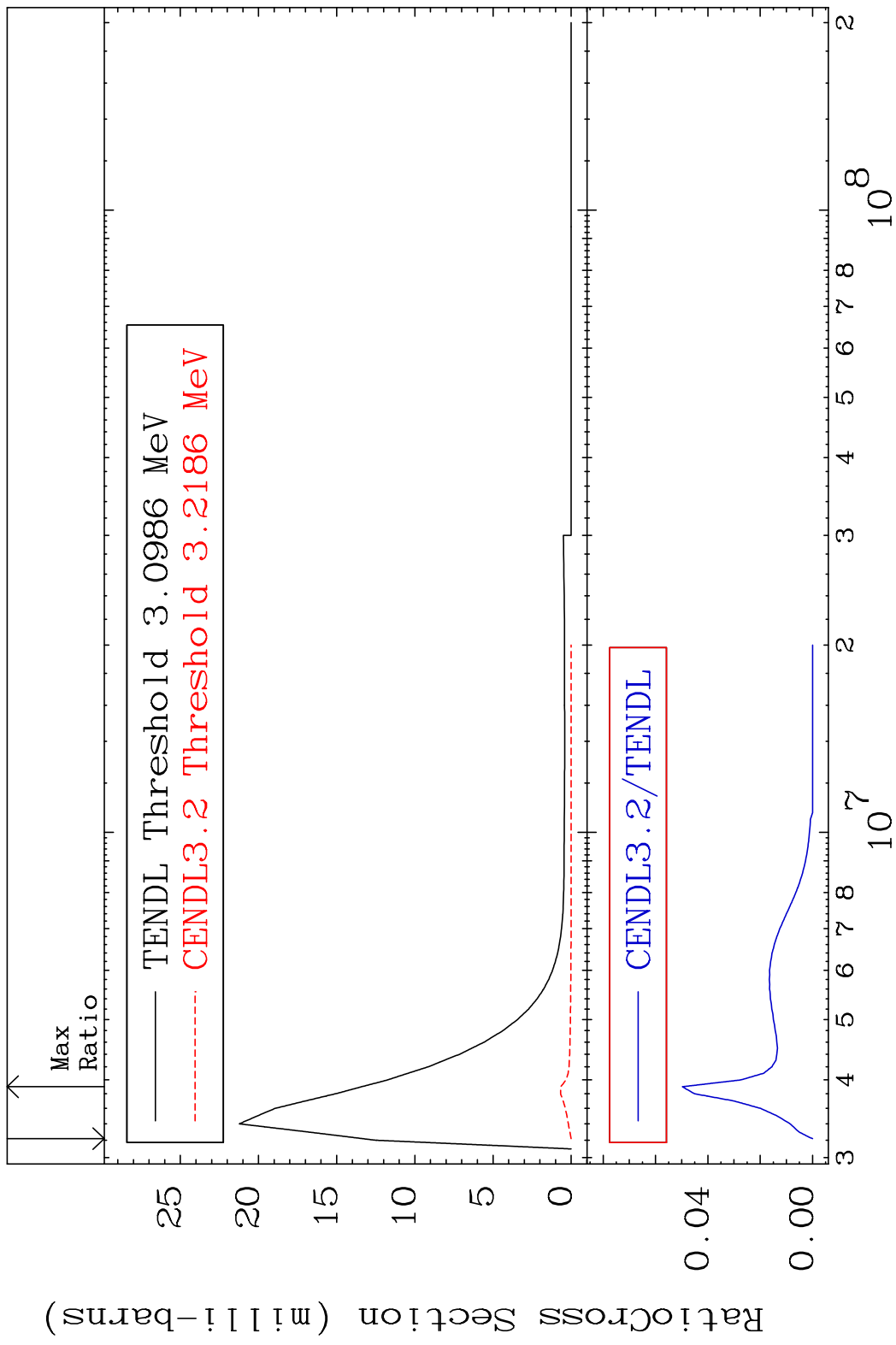


30 Incident Energy (eV) 50-Sn-114

MAT 5031 MT= 74 (n,n') Level 50-Sn-114
 Cross Section -100.0 To -56.09%

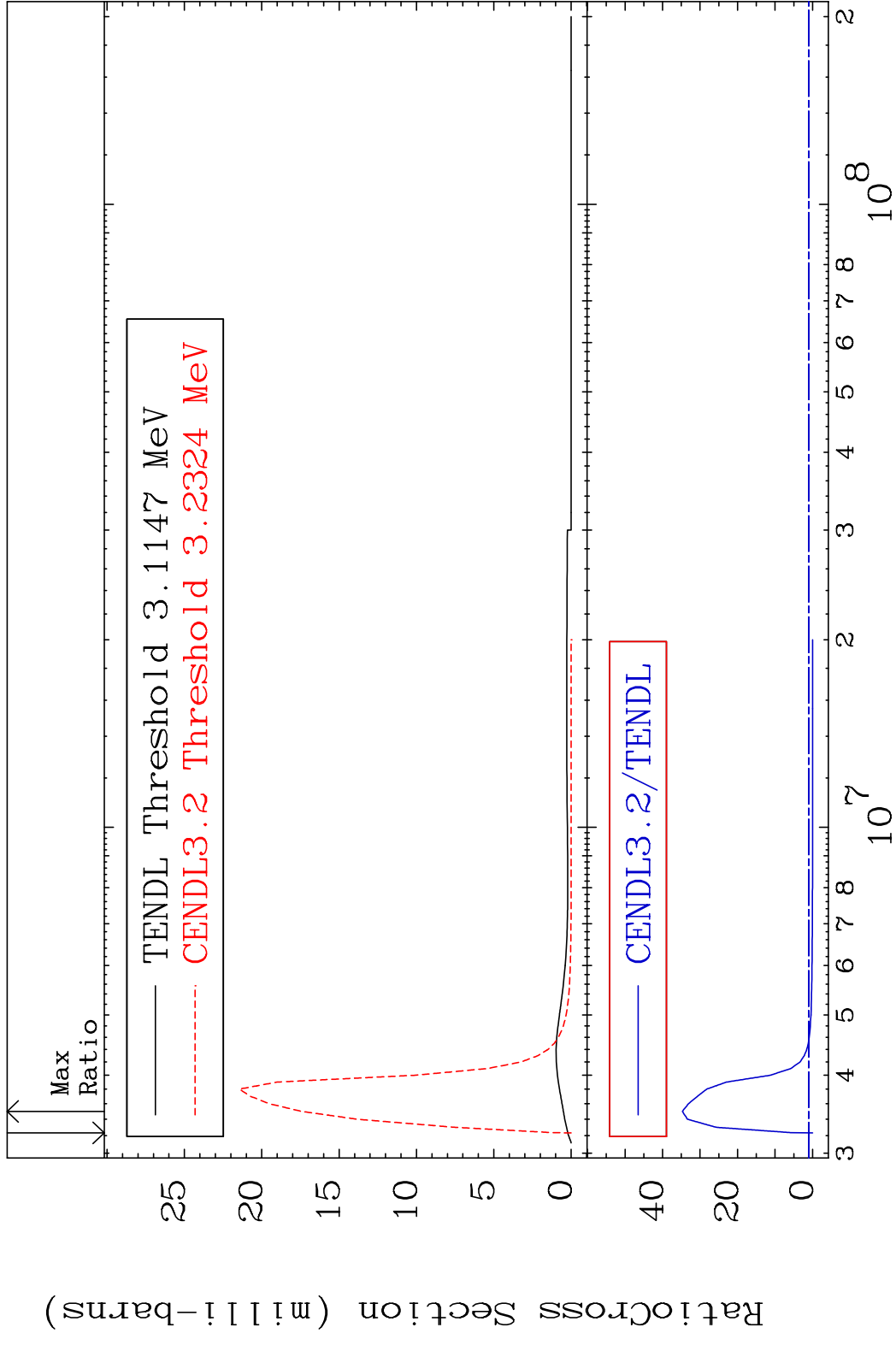


MAT 5031 MT= 75 (n,n') Level 50-Sn-114
 Cross Section -100.0 To -95.03%

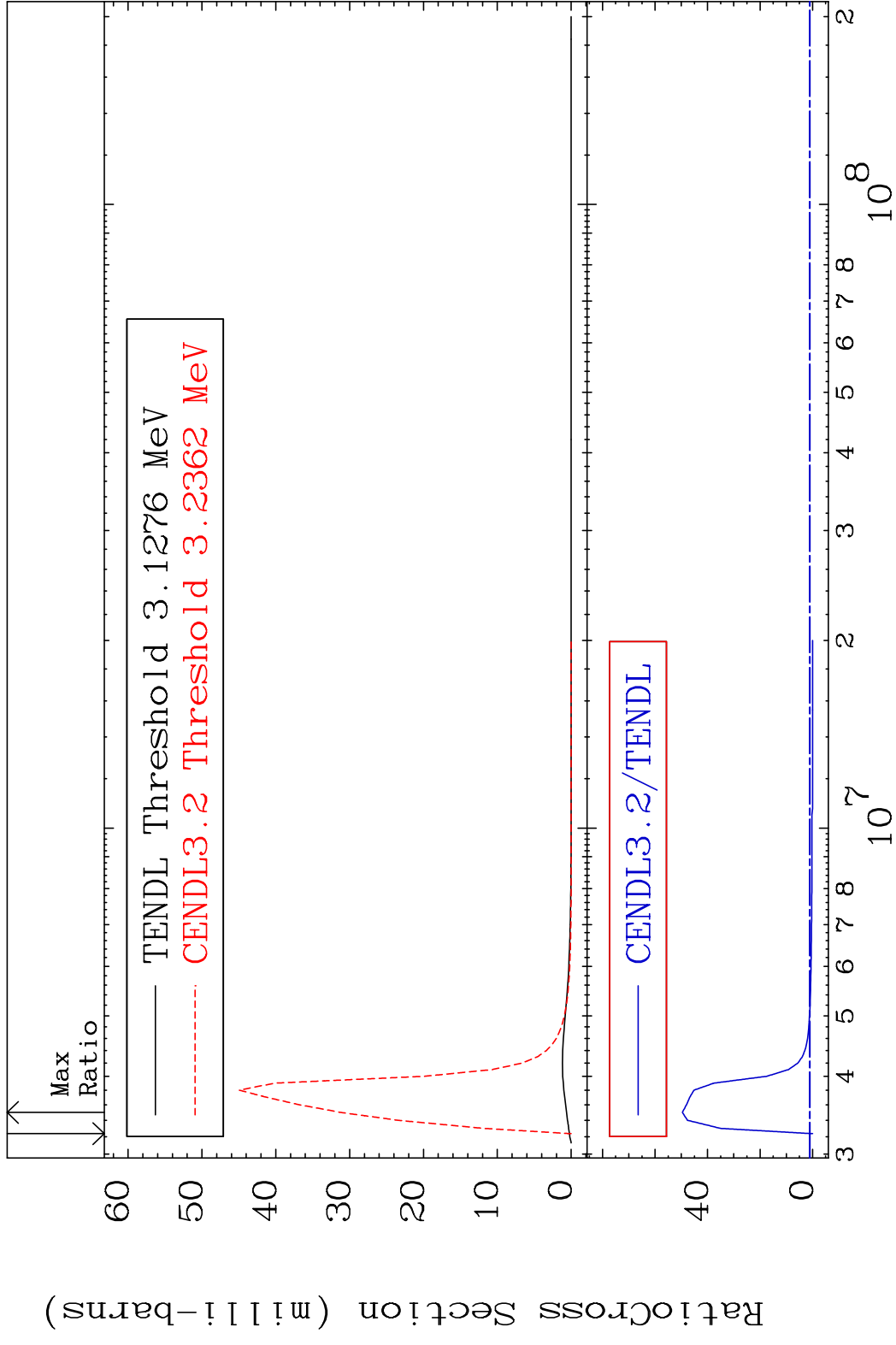


32 Incident Energy (eV) 50-Sn-114

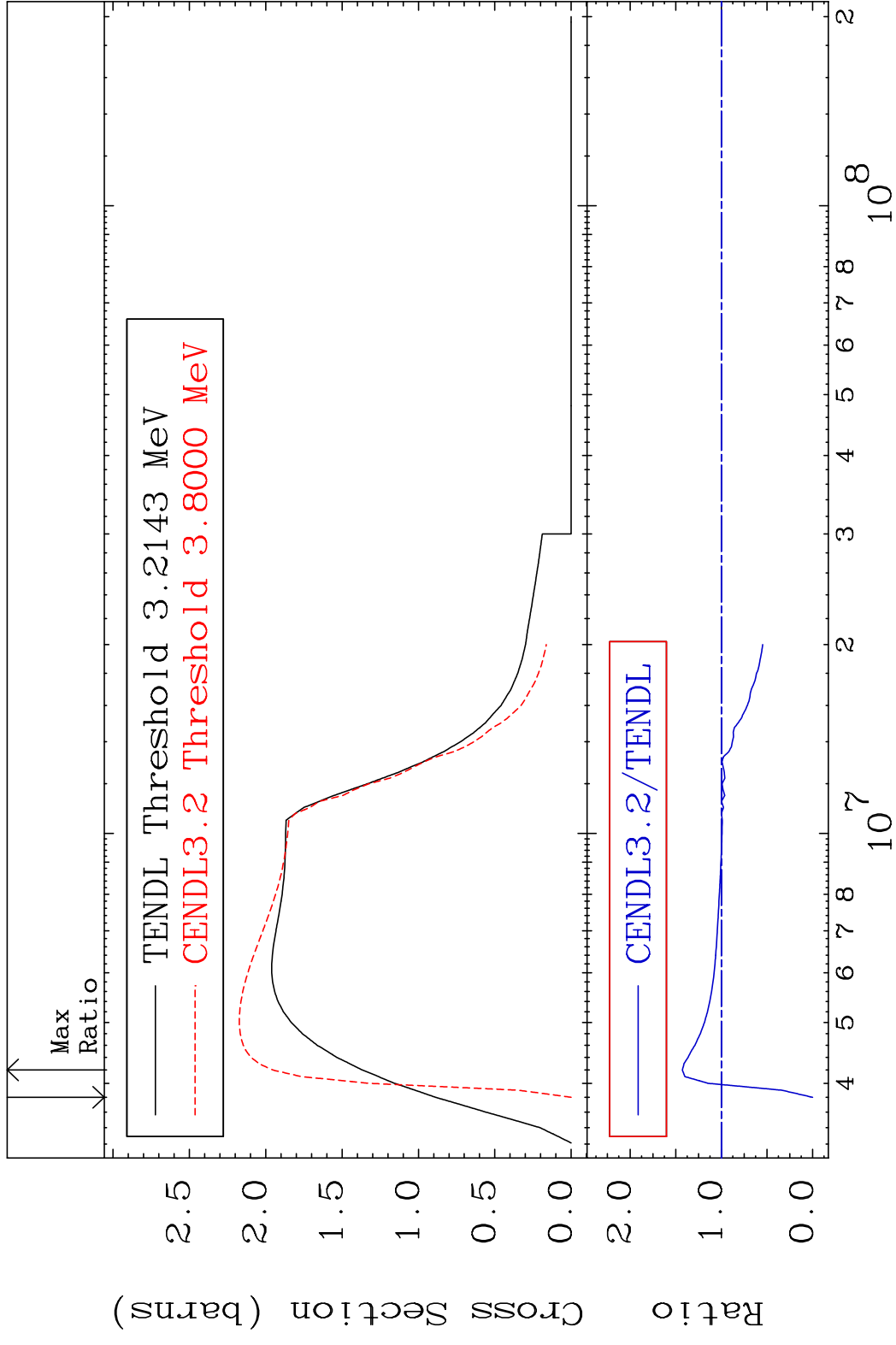
MAT 5031 MT= 76 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 3372. %



MAT 5031 MT= 77 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 4860. %

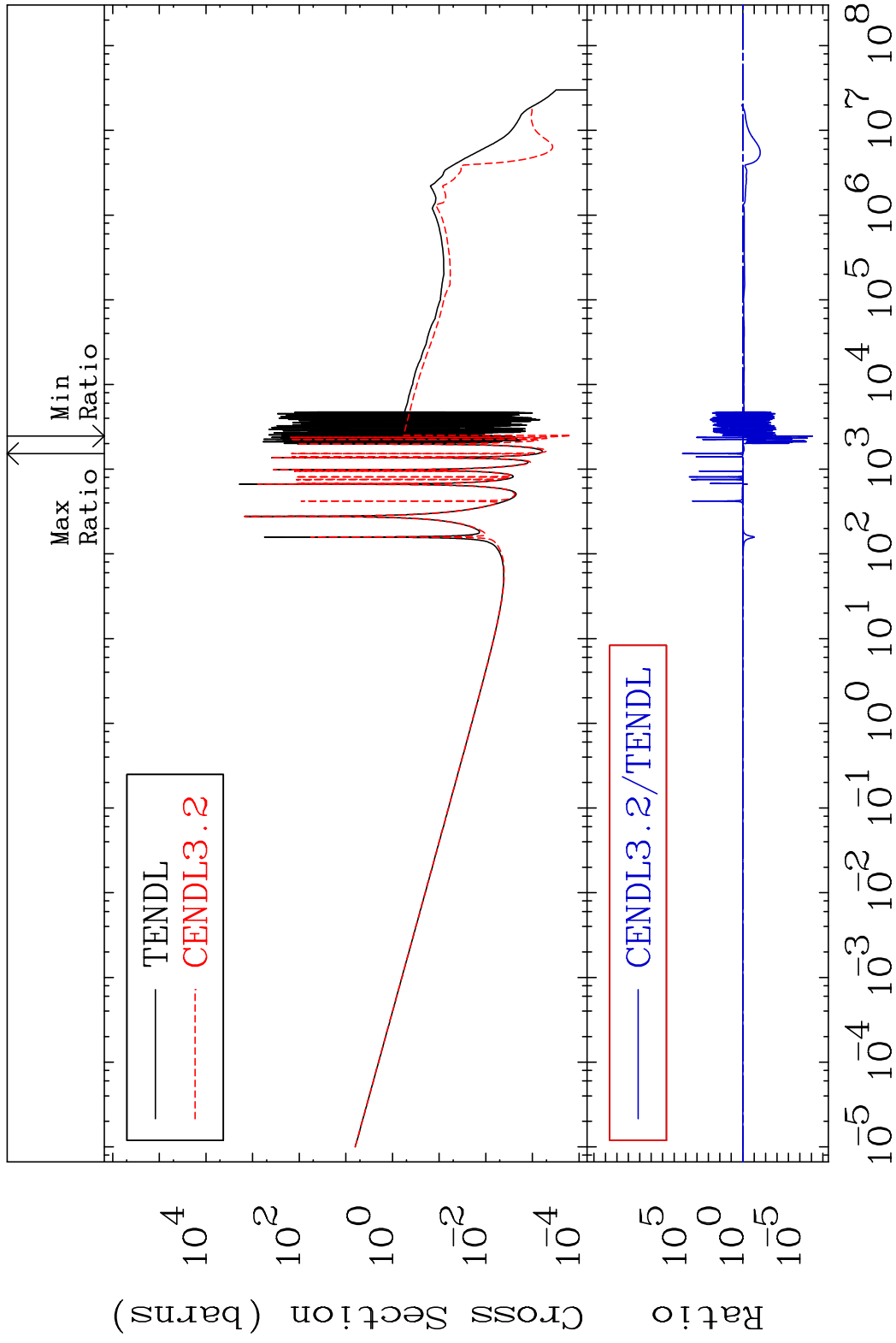


MAT 5031 (n, n') Continuum 50-Sn-114
 Cross Section -100.0 To 42.80 %



MAT 5031

(n, γ)
Cross Section -100.0 To 9999. %
50-Sn-114



36

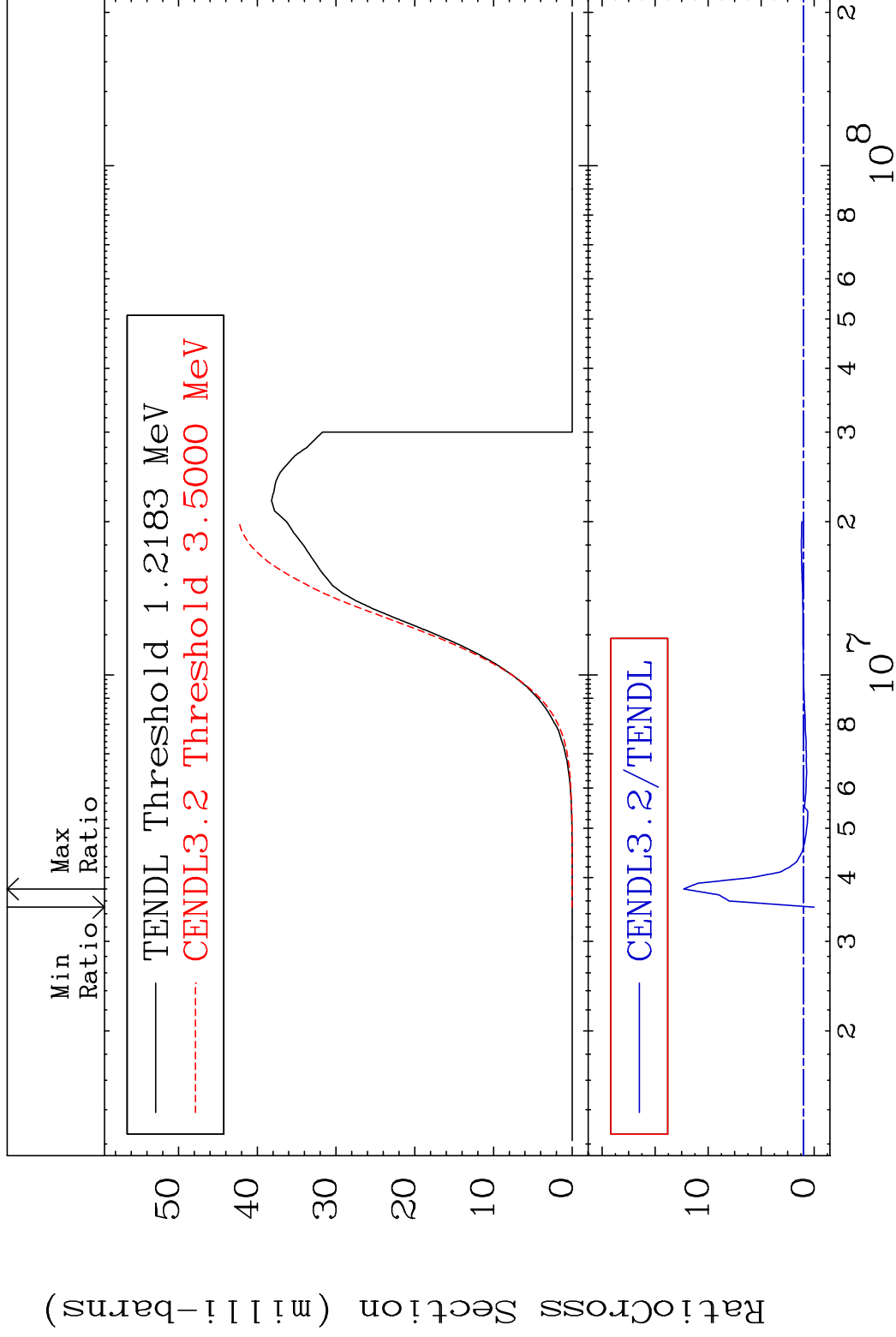
Incident Energy (eV) 50-Sn-114

MAT 5031

(n,p)

50-Sn-114

Cross Section -100.0 To 1131. %



37

Incident Energy (eV)

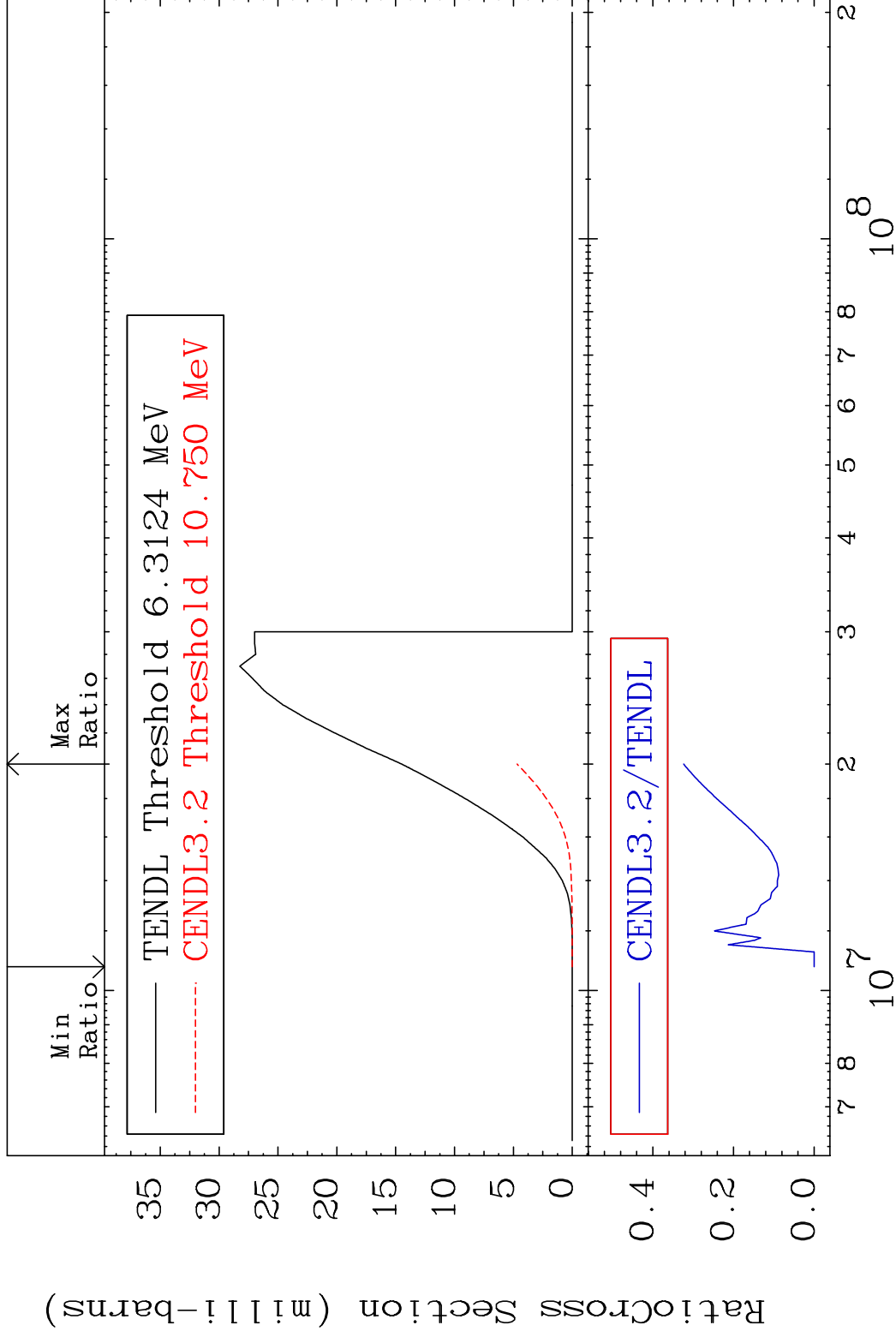
50-Sn-114

MAT 5031

(n,d)

50-Sn-114

Cross Section -100.0 To -67.65%



38

Incident Energy (eV)

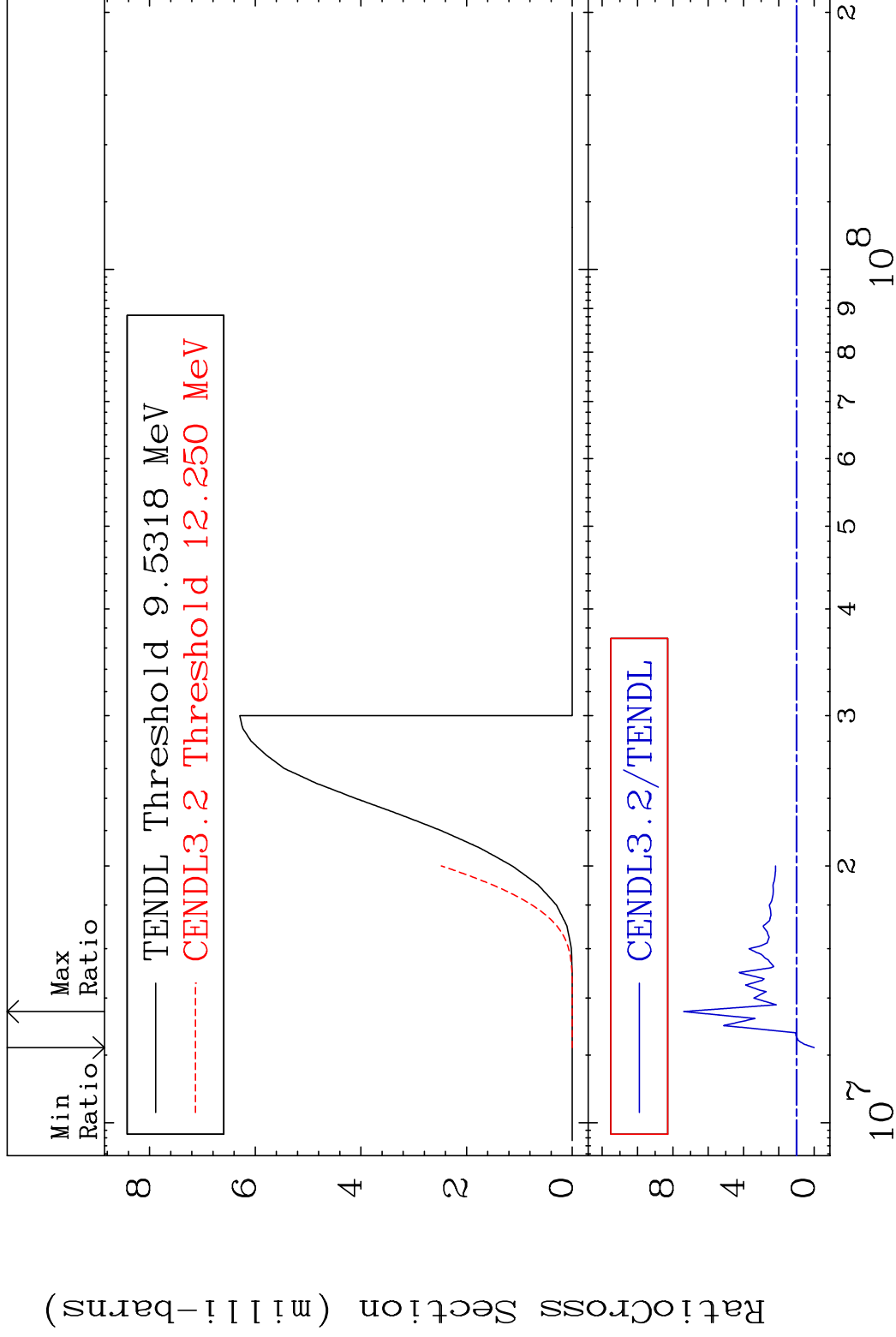
50-Sn-114

MAT 5031

(n, t)

50-Sn-114

Cross Section -100.0 To 638.8 %



39

Incident Energy (eV)

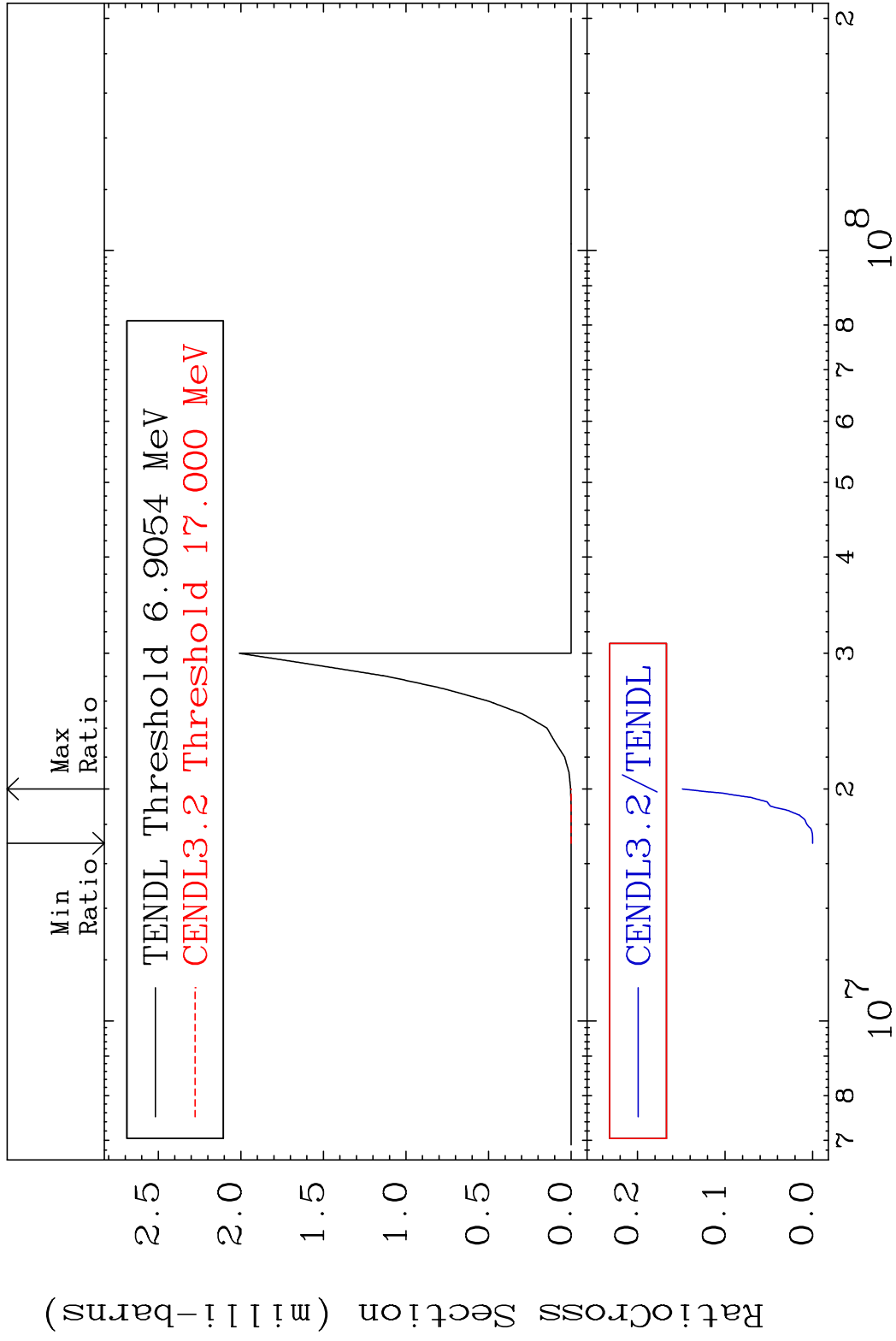
50-Sn-114

MAT 5031

(n, He-3)

50-Sn-114

Cross Section -100.0 To -85.12%



40

Incident Energy (eV)

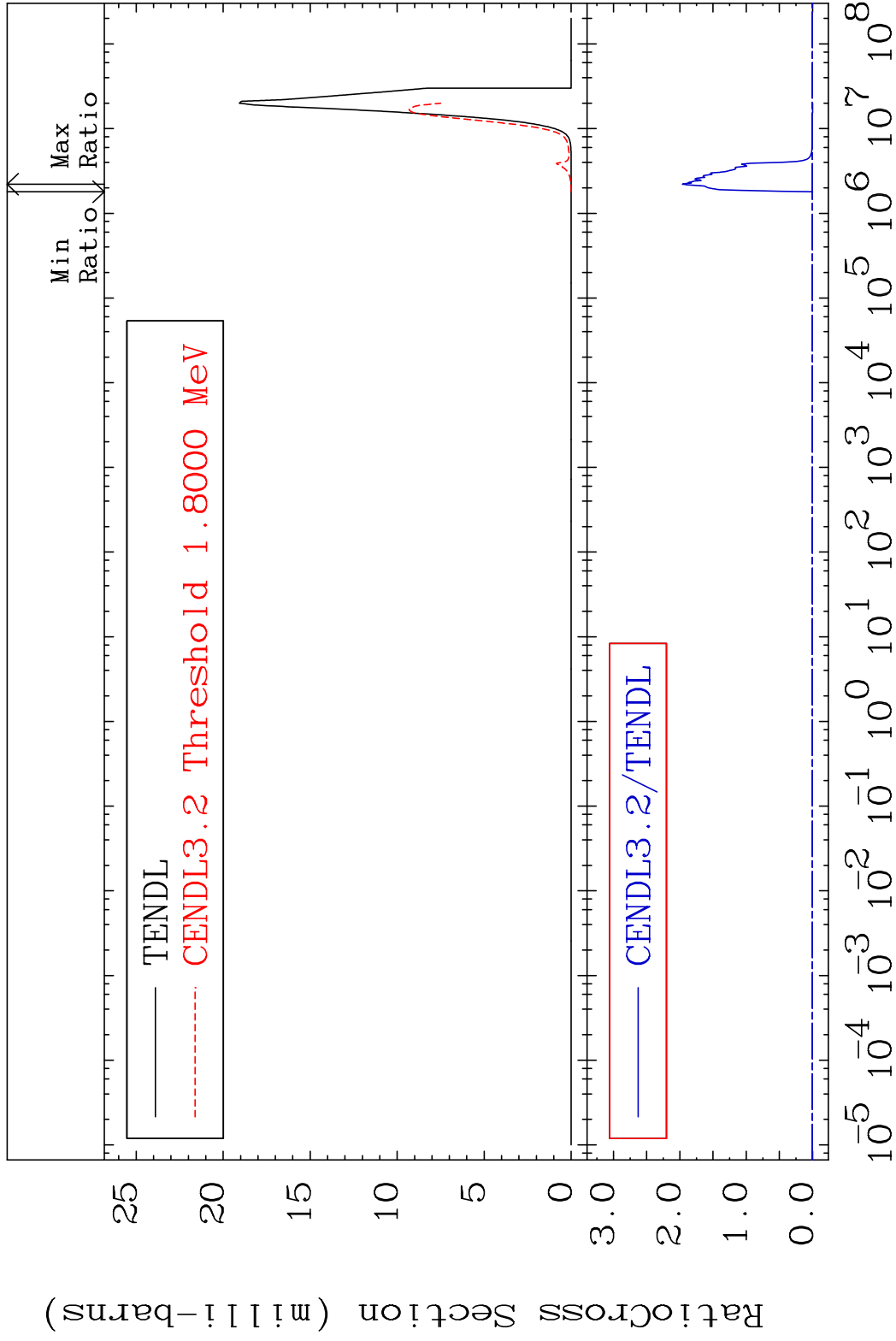
50-Sn-114

MAT 5031

(n, α)

50-Sn-114

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

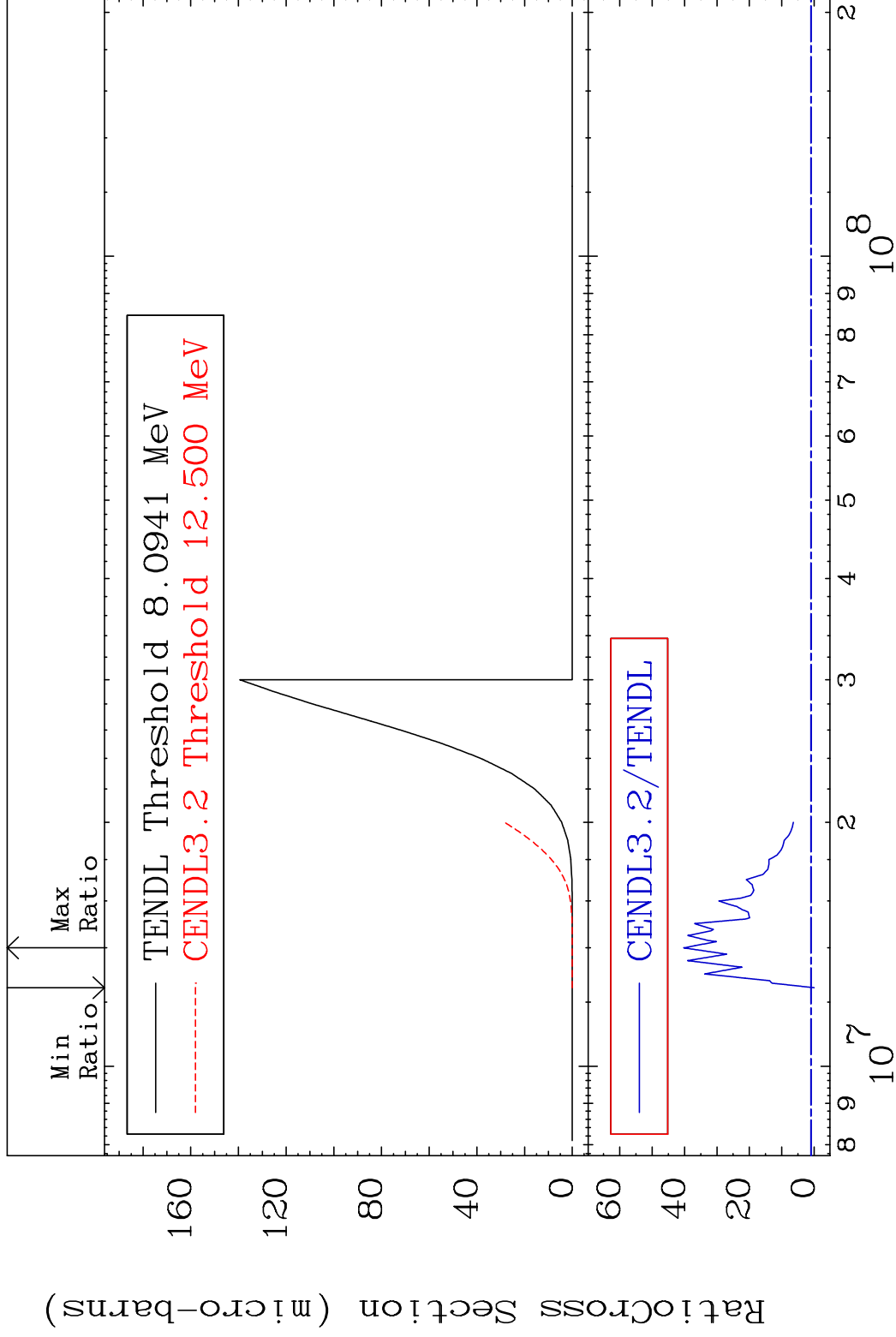
50-Sn-114

MAT 5031

(n,2p)

50-Sn-114

Cross Section -100.0 To 3928. %



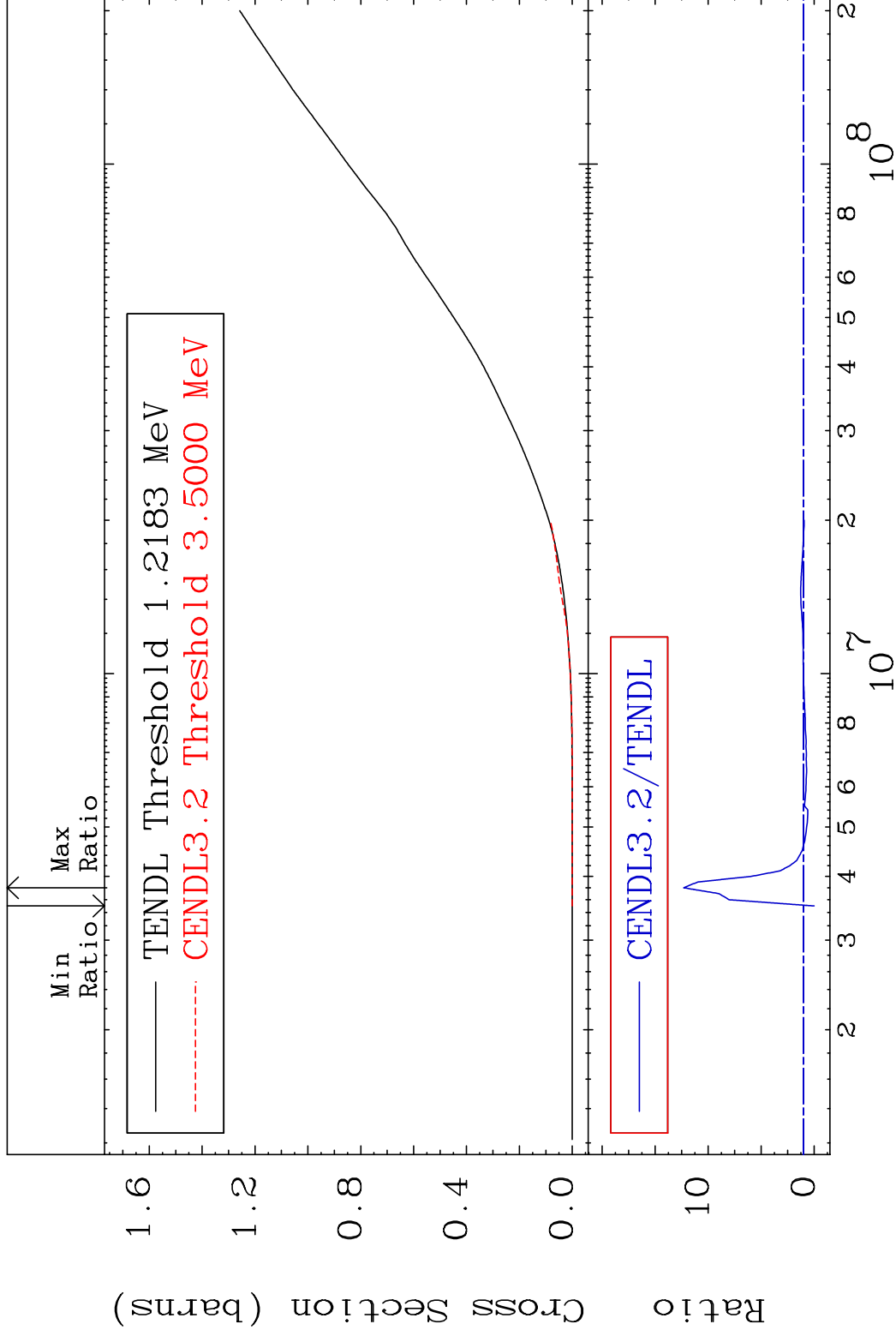
42

Incident Energy (eV)

50-Sn-114

MAT 5031

Hydrogen Production 50-Sn-114
Cross Section -100.0 To 1131. %

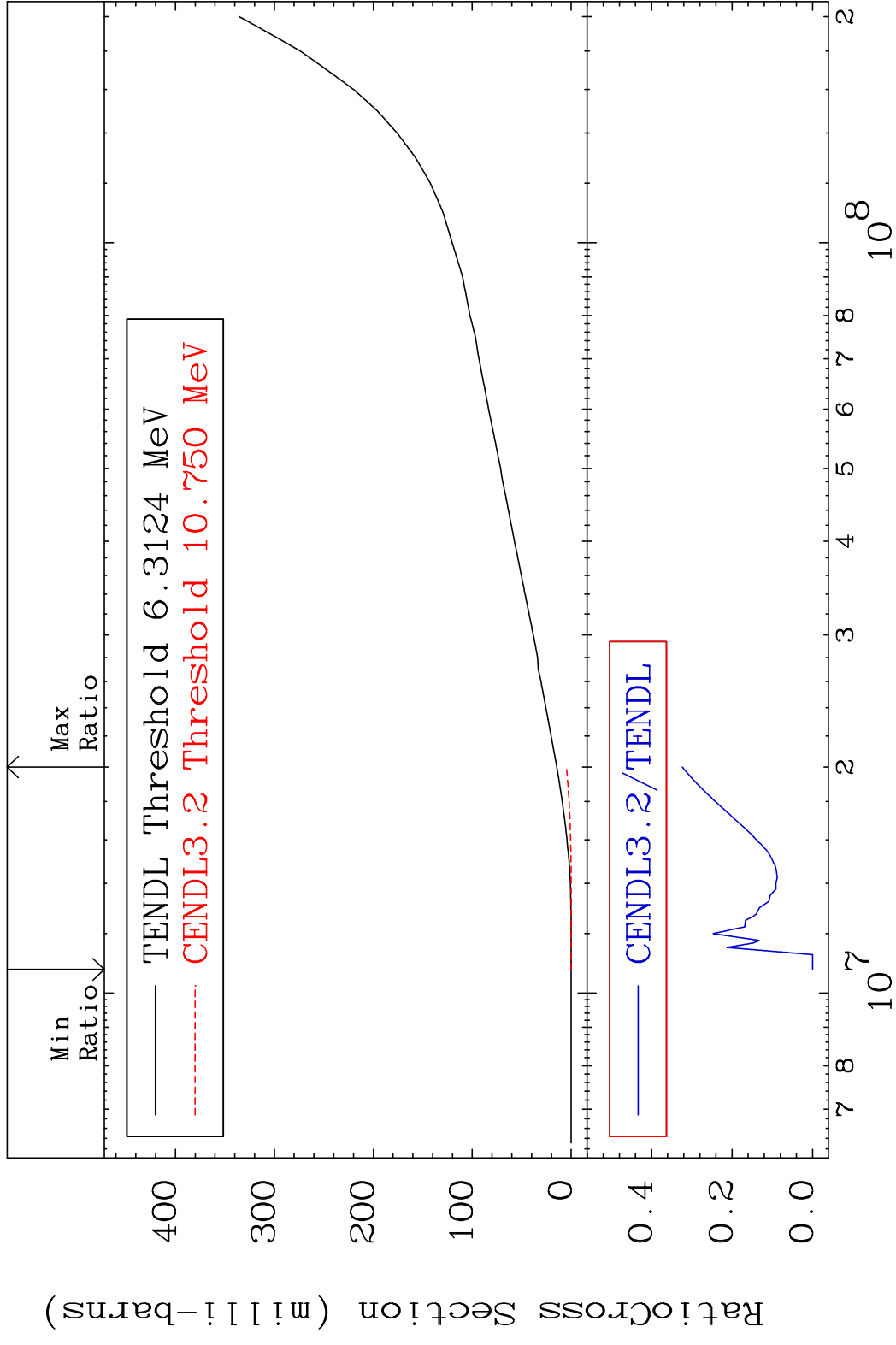


43

Incident Energy (eV)

50-Sn-114

MAT 5031 Deuterium Production 50-Sn-114
 Cross Section -100.0 To -67.65%

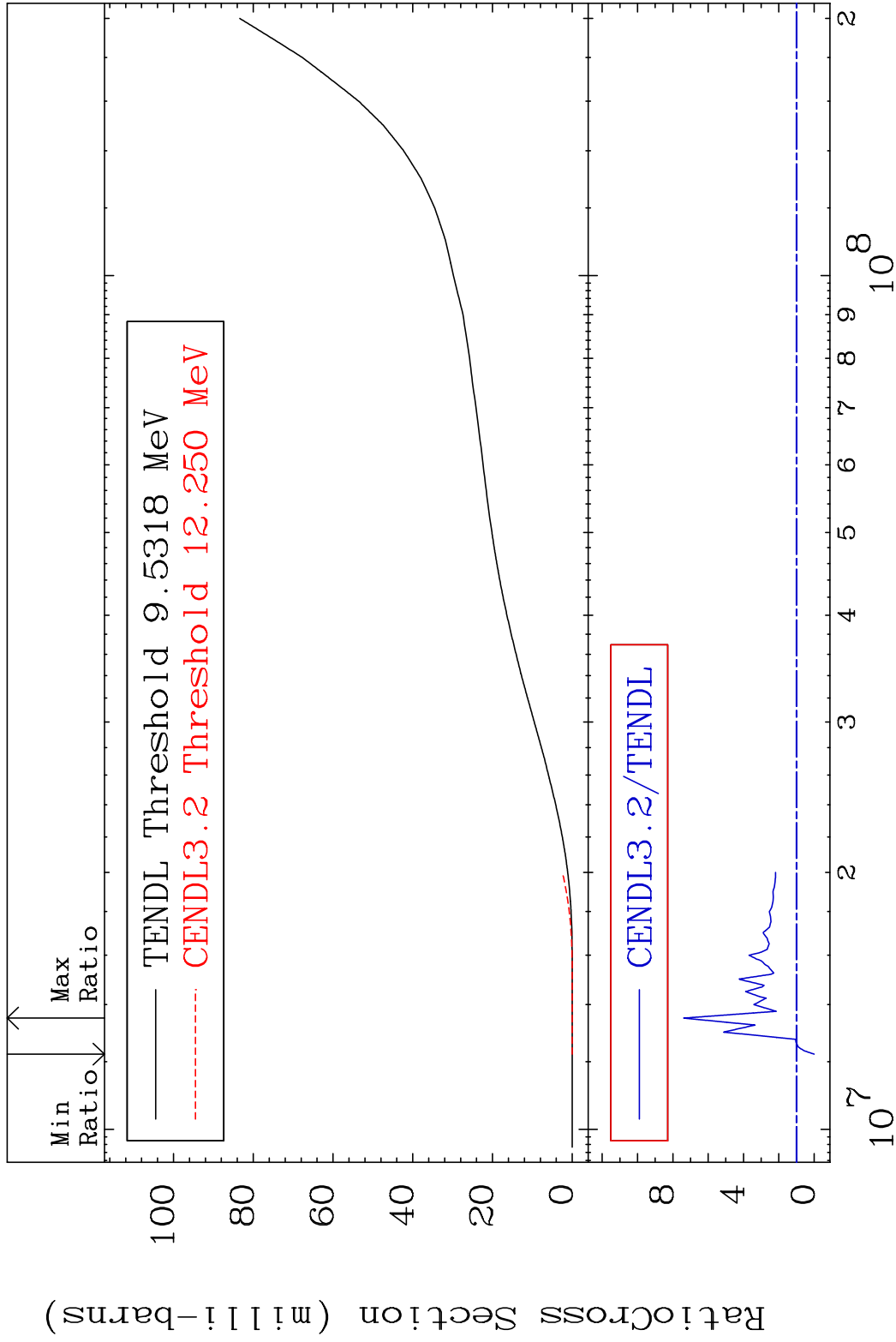


MAT 5031

Tritium Production

50-Sn-114

Cross Section -100.0 To 638.8 %



45

Incident Energy (eV)

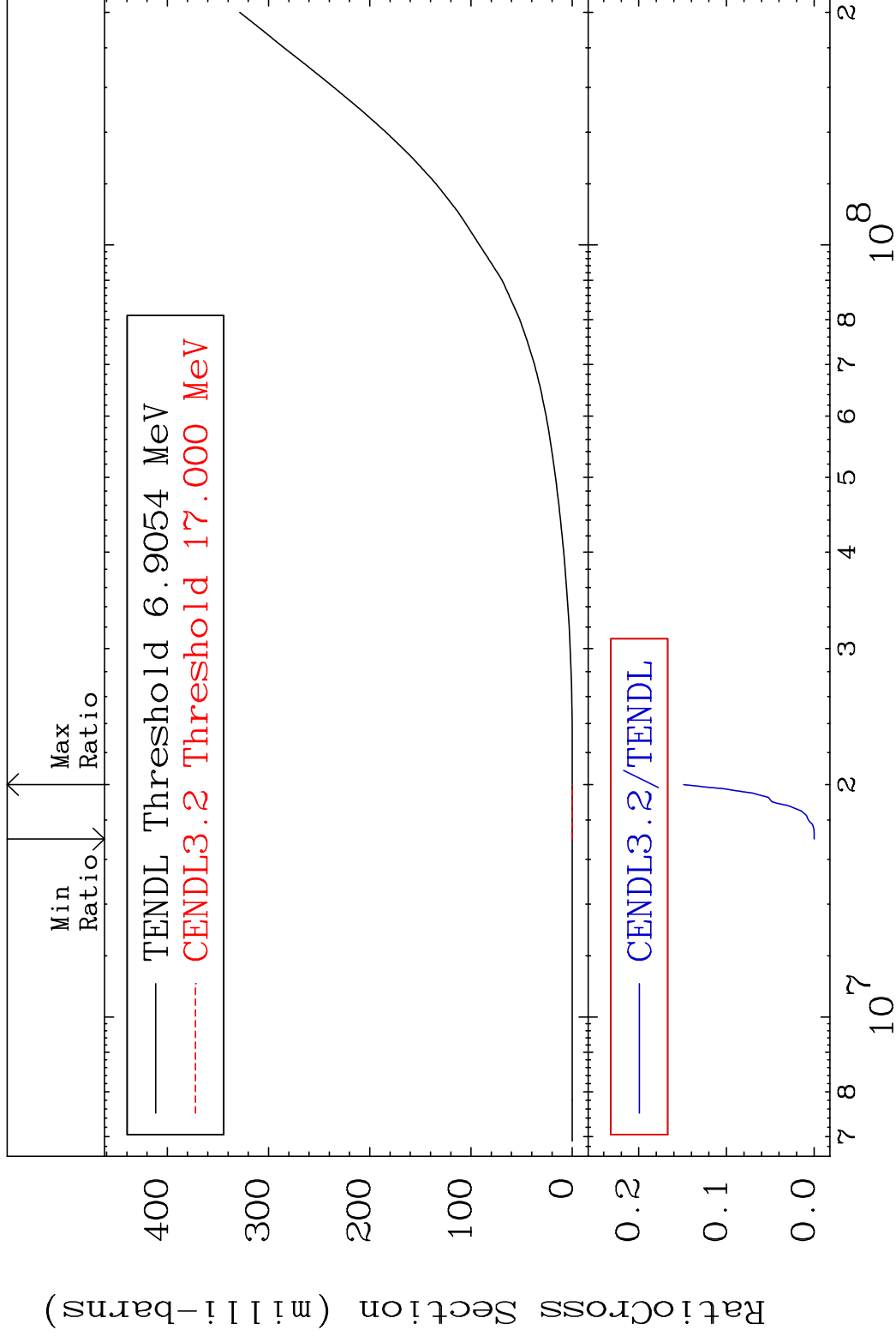
50-Sn-114

MAT 5031

He-3 Production

50-Sn-114

Cross Section -100.0 To -85.12%



46

Incident Energy (eV)

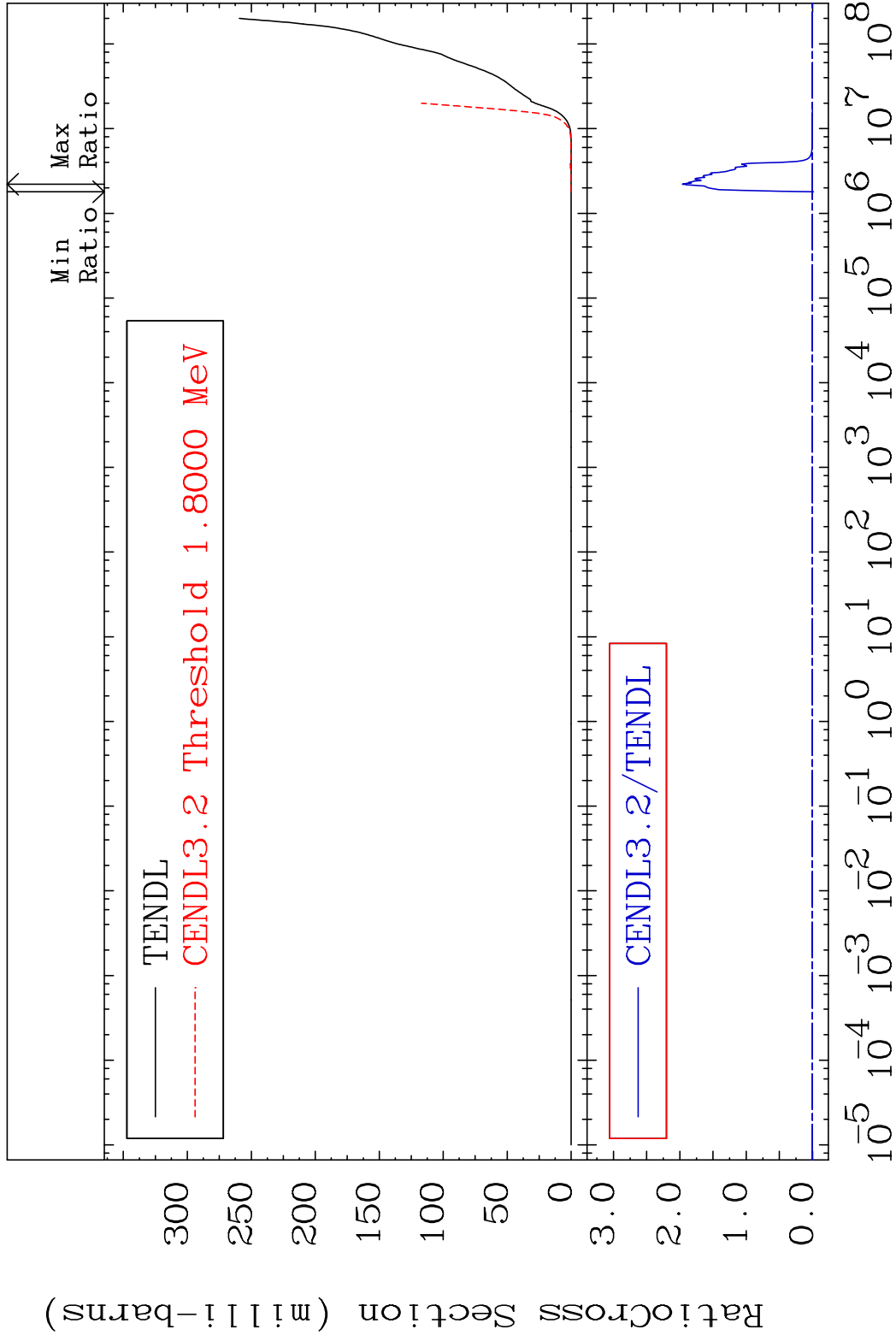
50-Sn-114

MAT 5031

He-4 Production

50-Sn-114

Cross Section -100.0 To 9999. %

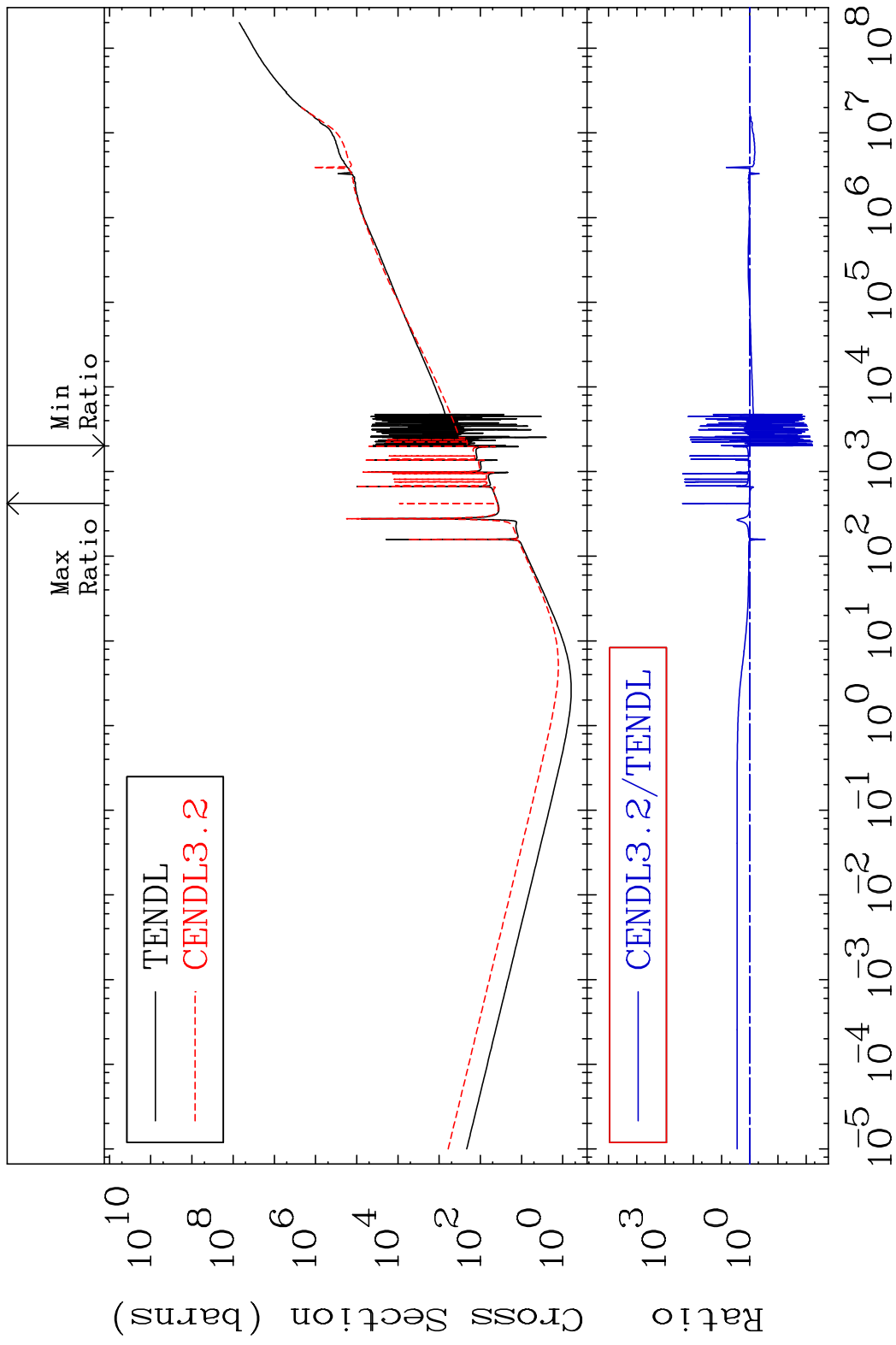


47

Incident Energy (eV)

50-Sn-114

MAT 5031 Kerma total (eV-barns) 50-Sn-114
 Cross Section -99.40 To 9999. %

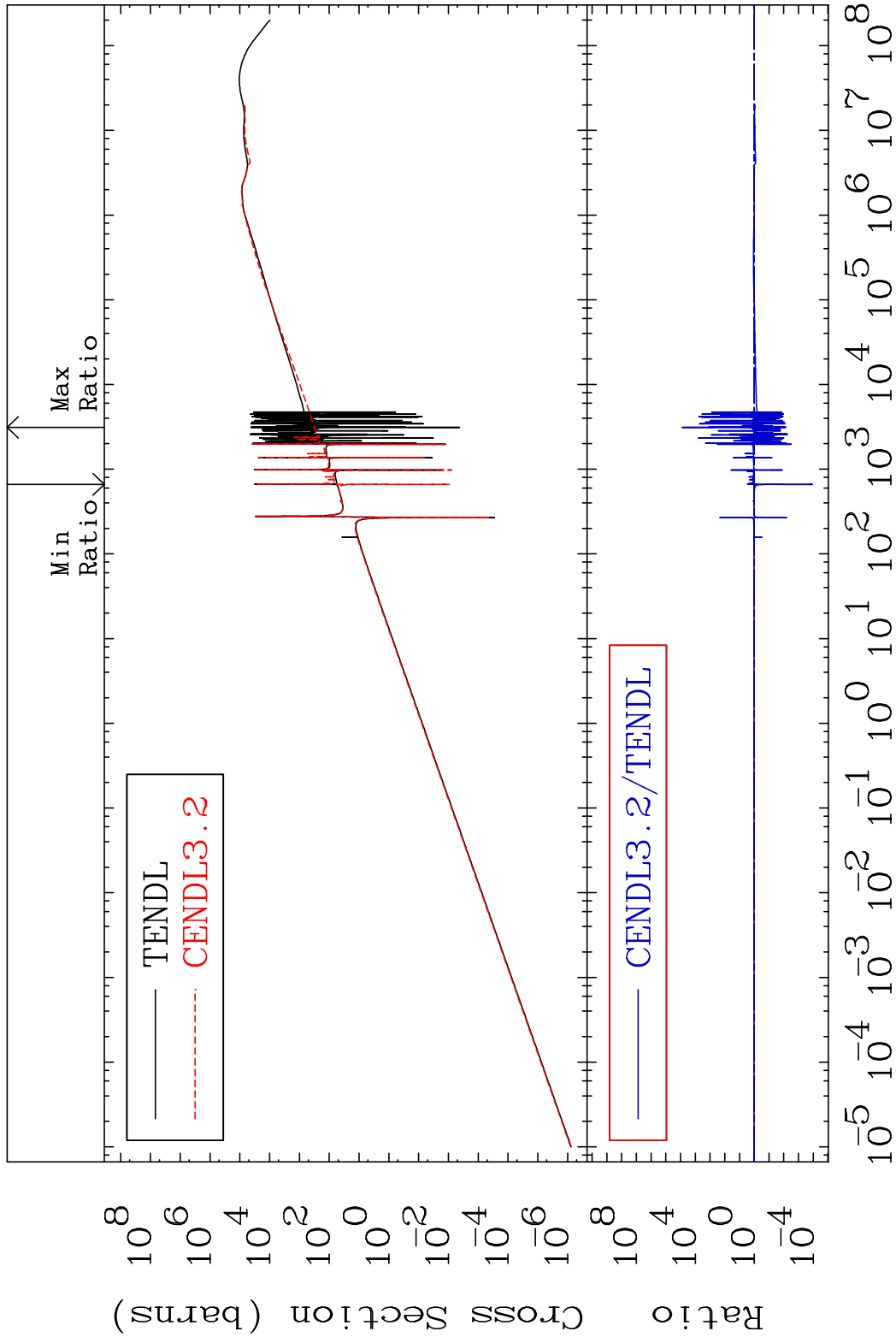


MAT 5031

Kerma elastic
Cross Section

50-Sn-114

-99.99 To 9999. %

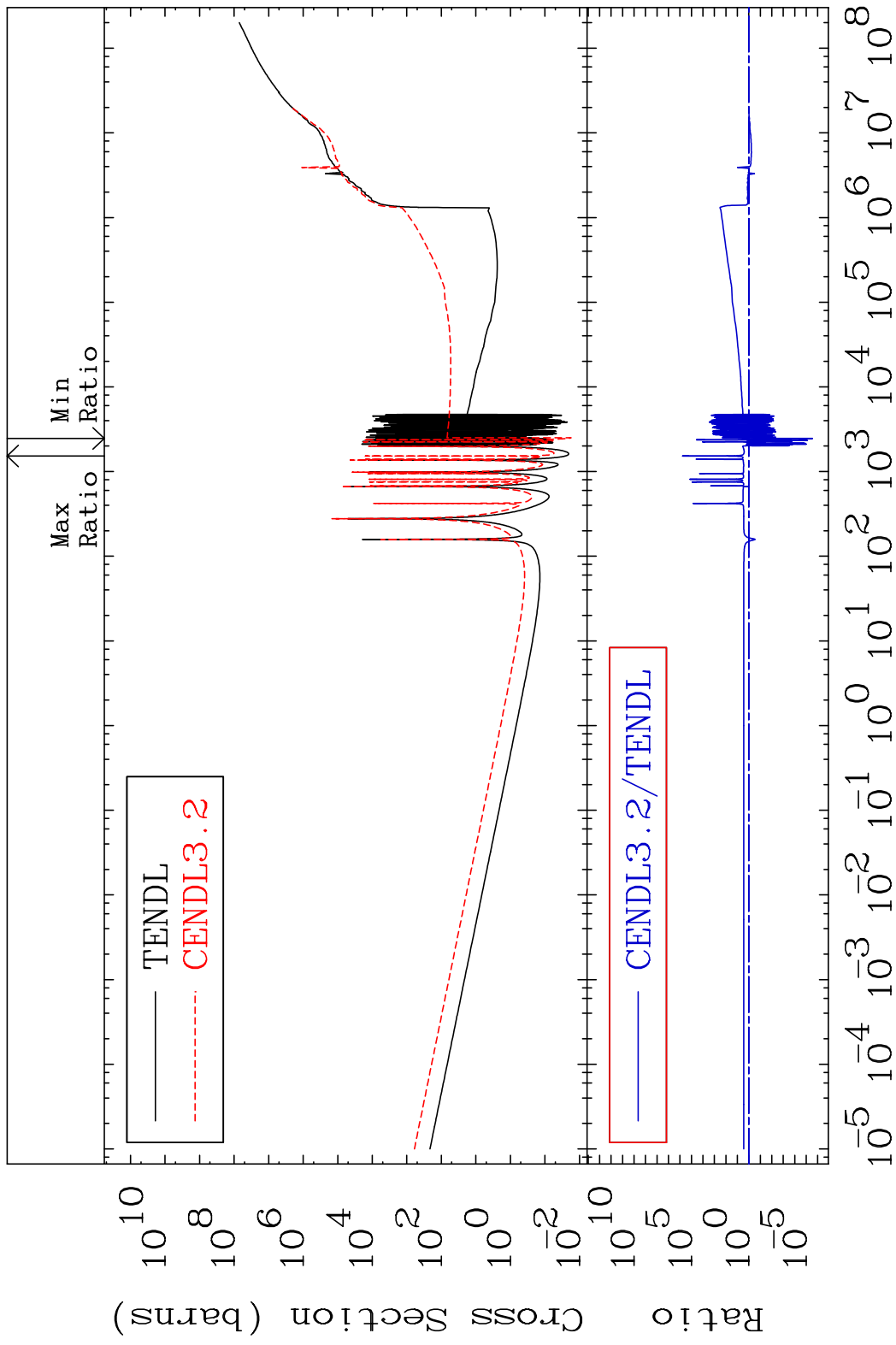


49

Incident Energy (eV)

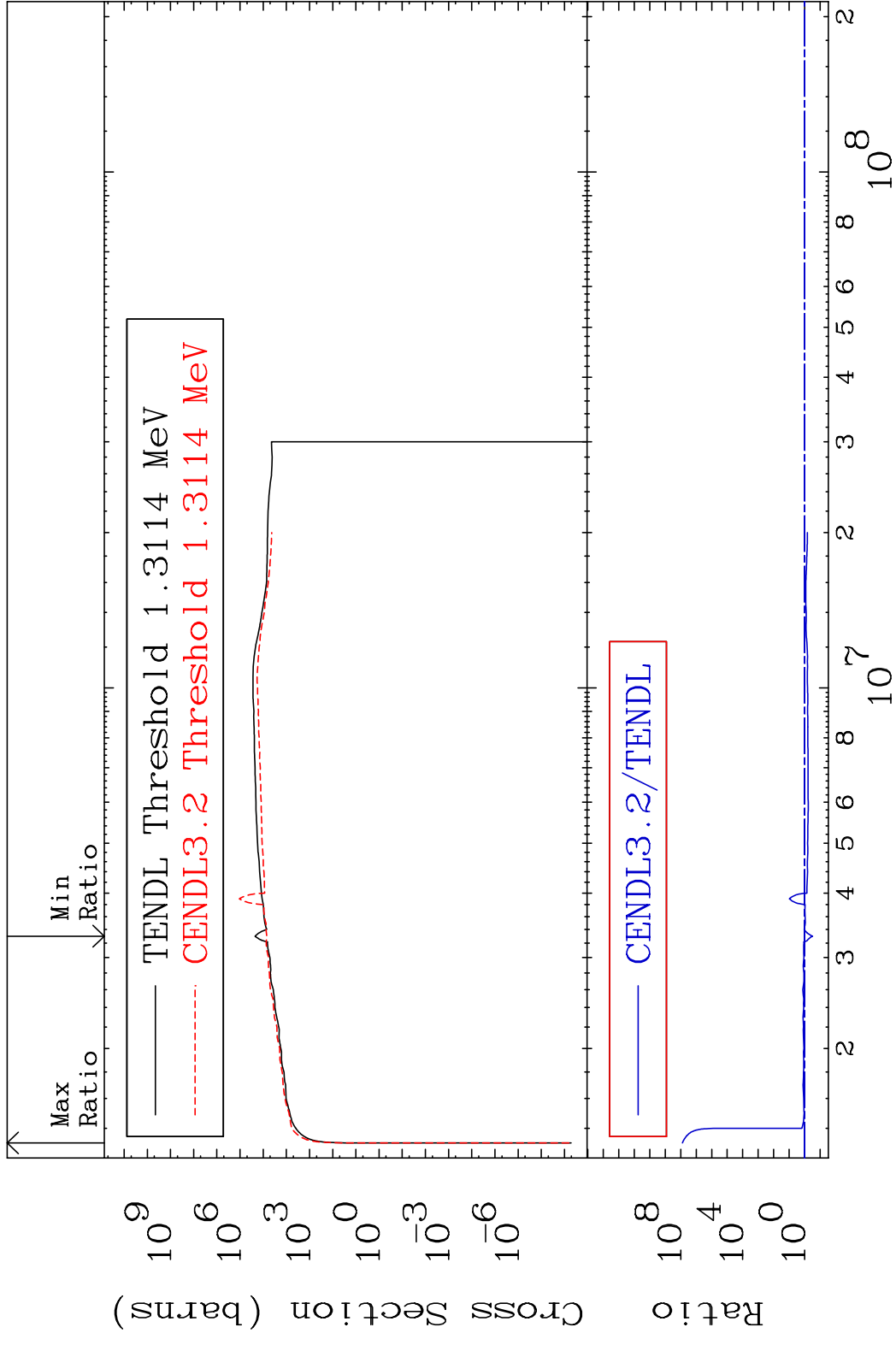
50-Sn-114

MAT 5031 Kerma non-elastic (all but mt2) 50-Sn-114
 Cross Section -100.0 To 9999. %

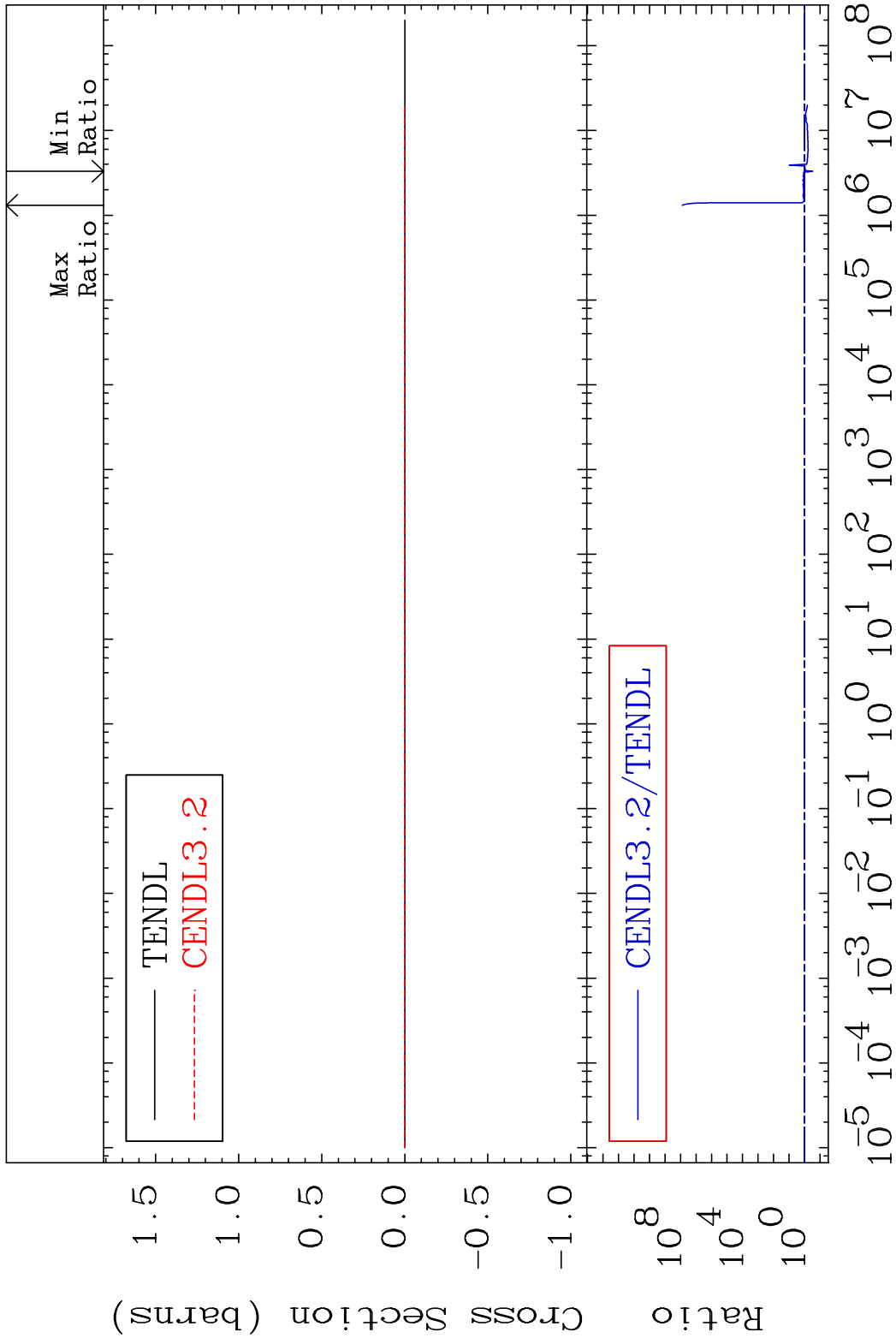


50 Incident Energy (eV) 50-Sn-114

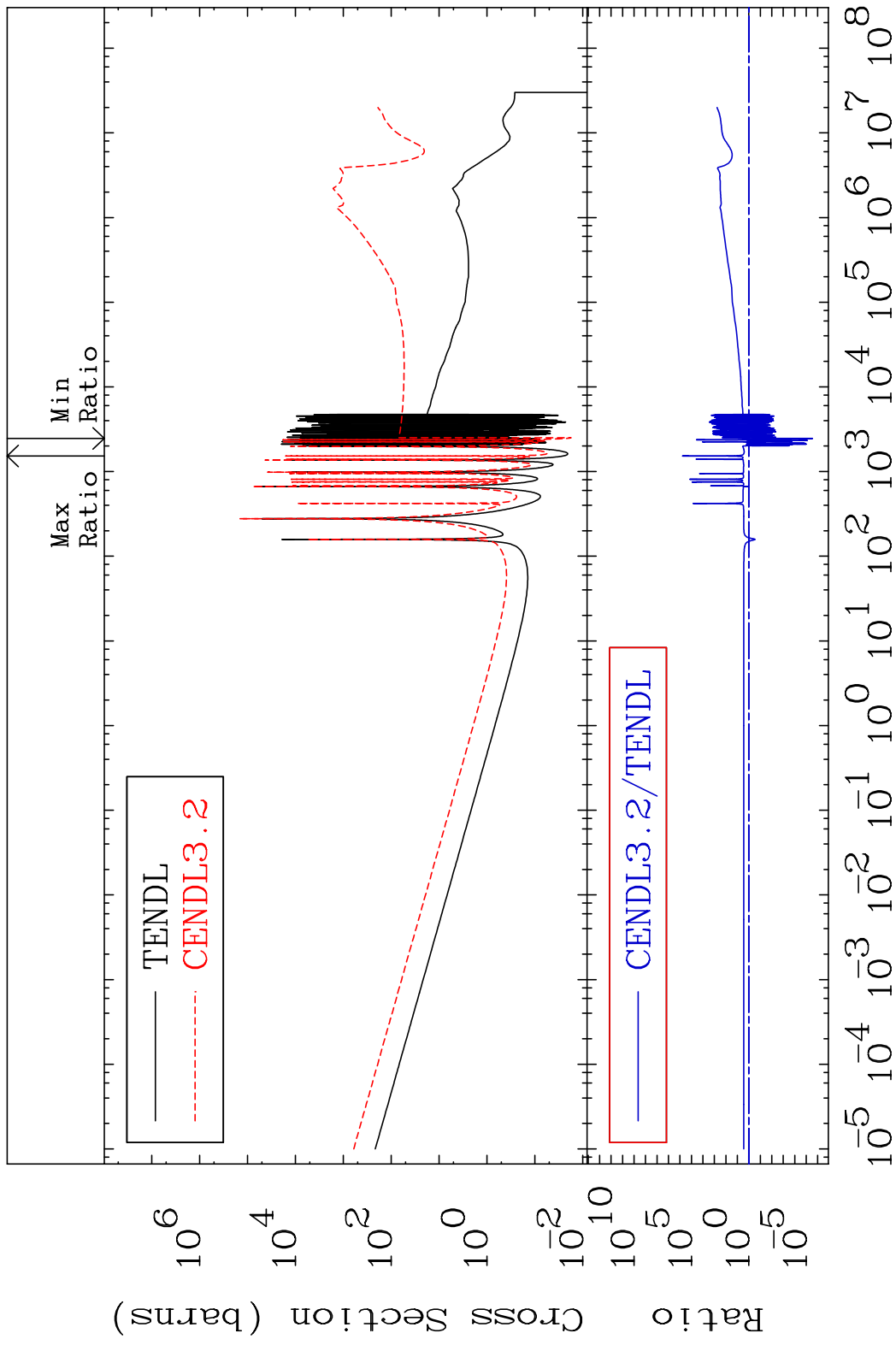
MAT 5031 Kerma inelastic (mt51-91) 50-Sn-114
 Cross Section -69.12 To 9999. %



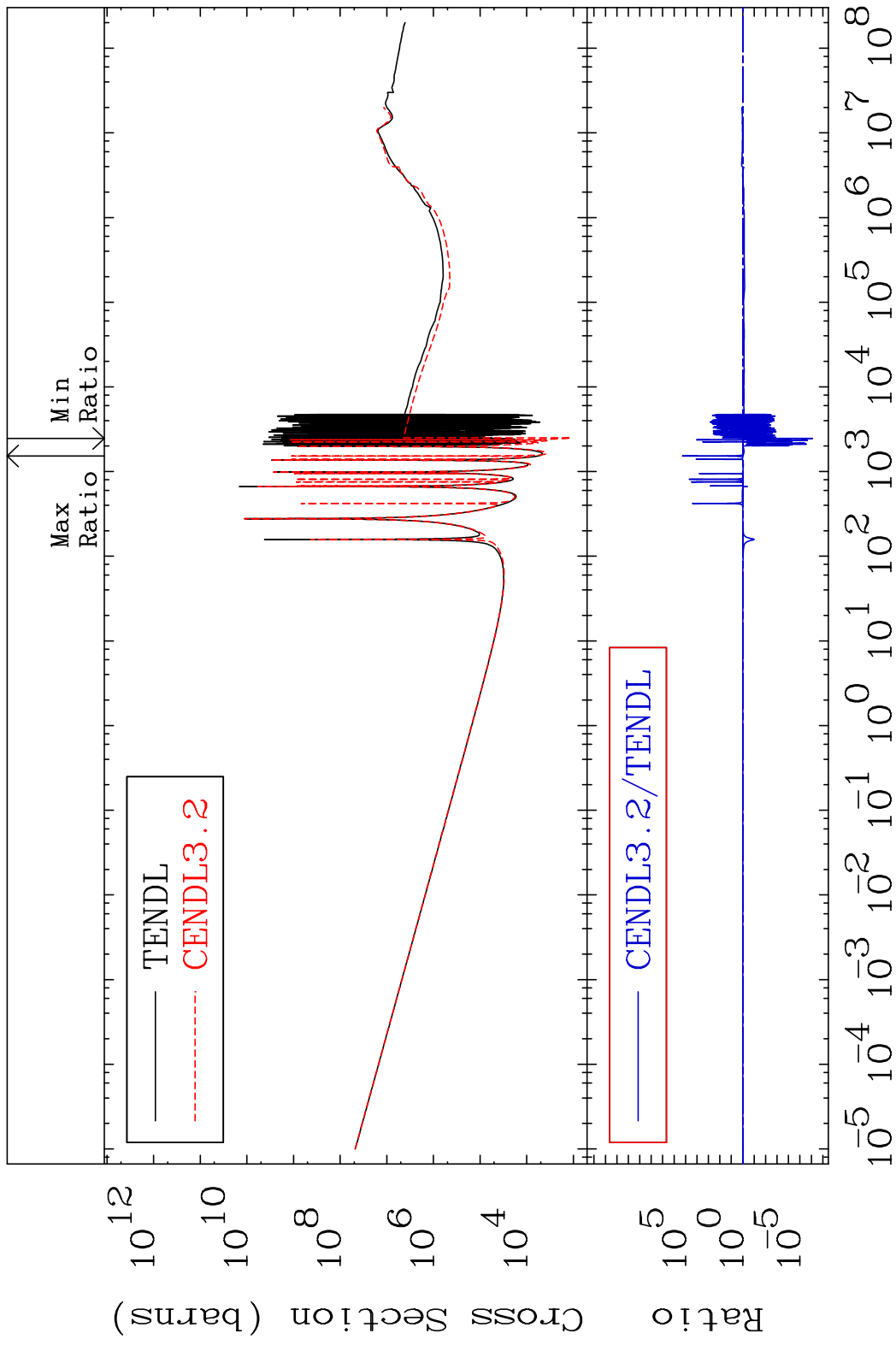
MAT 5031 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-114
 Cross Section -69.12 To 9999. %



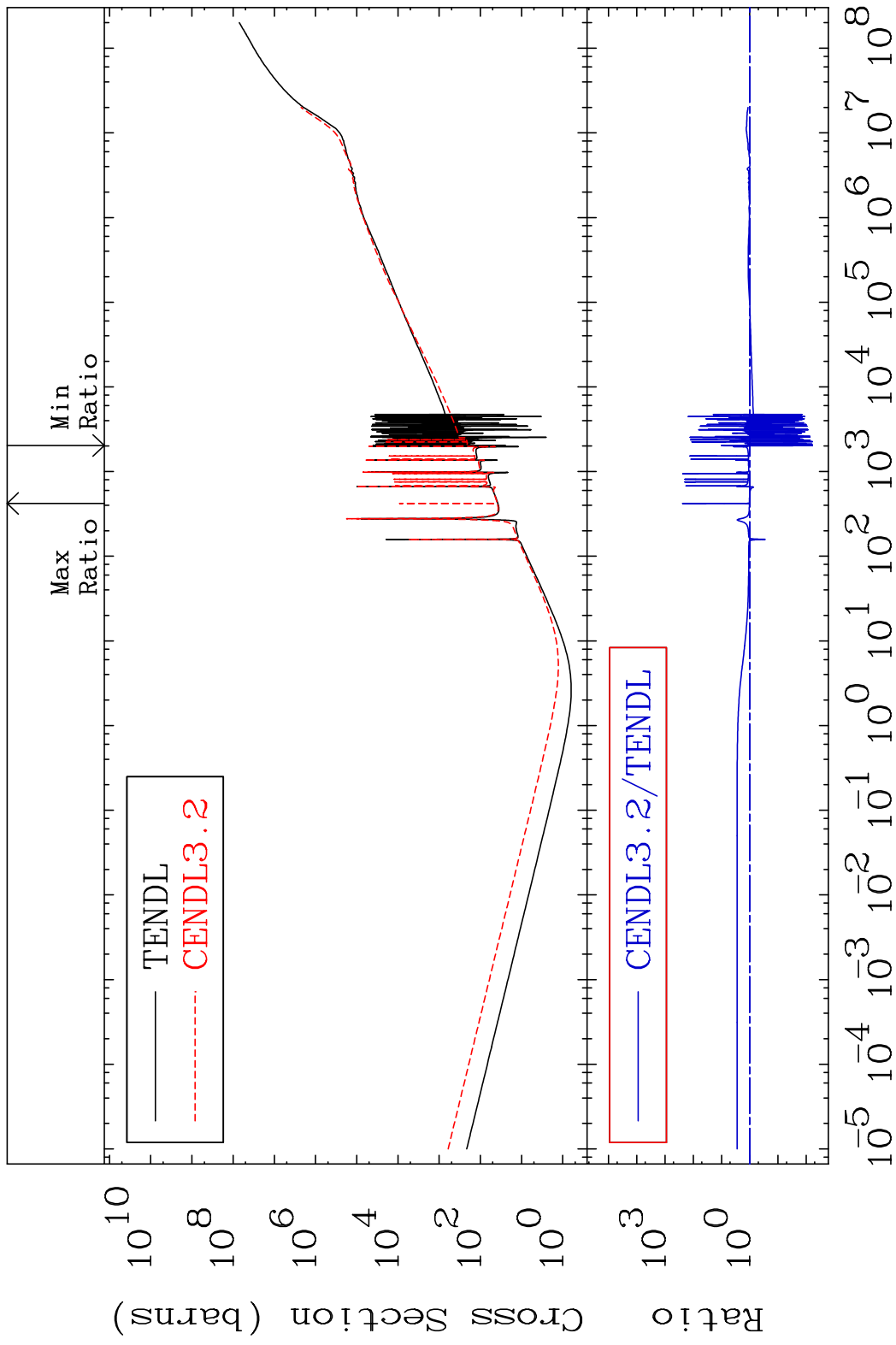
MAT 5031 Kerma capture (mt102) 50-Sn-114
 Cross Section -100.0 To 9999. %



MAT 5031 Total photon (eV-barns) 50-Sn-114
 Cross Section -100.0 To 9999. %



MAT 5031 Total kinematic kerma (high limit) 50-Sn-114
 Cross Section -99.40 To 9999. %

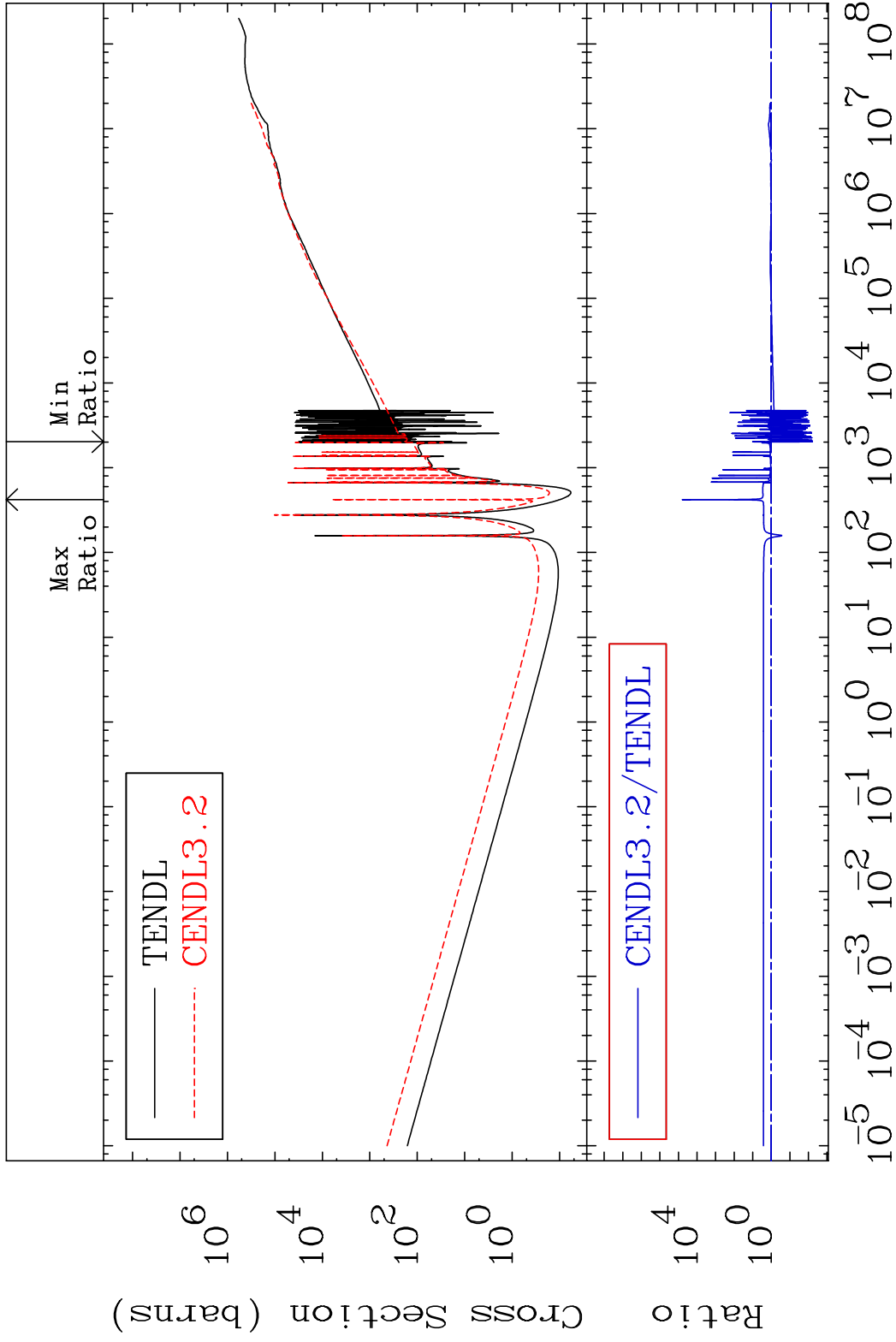


MAT 5031

Dpa total (eV-barns)

50-Sn-114

Cross Section -99.40 To 9999. %



56

Incident Energy (eV)

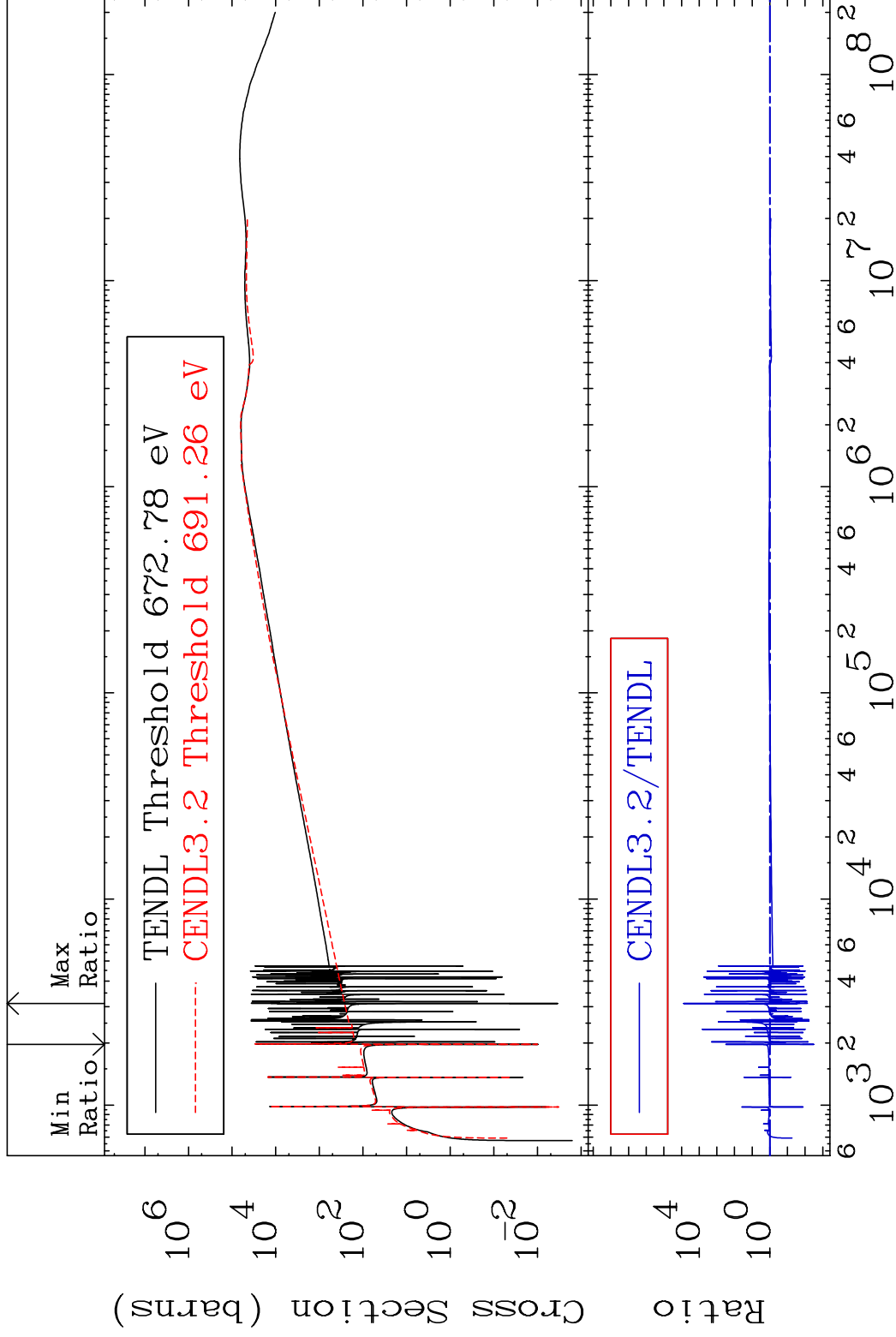
50-Sn-114

MAT 5031

Dpa elastic (mt2)

50-Sn-114

Cross Section -99.69 To 9999. %

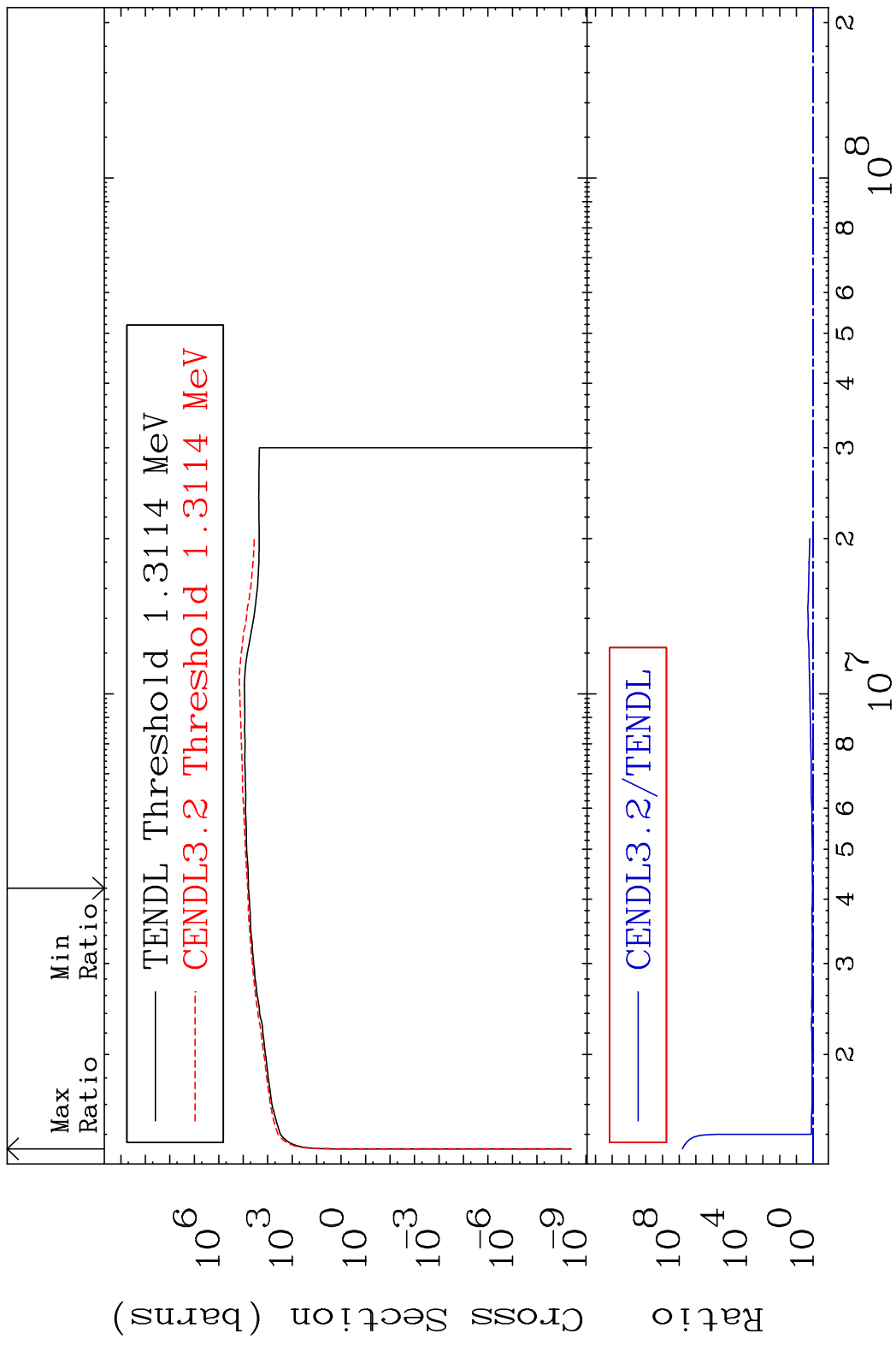


57

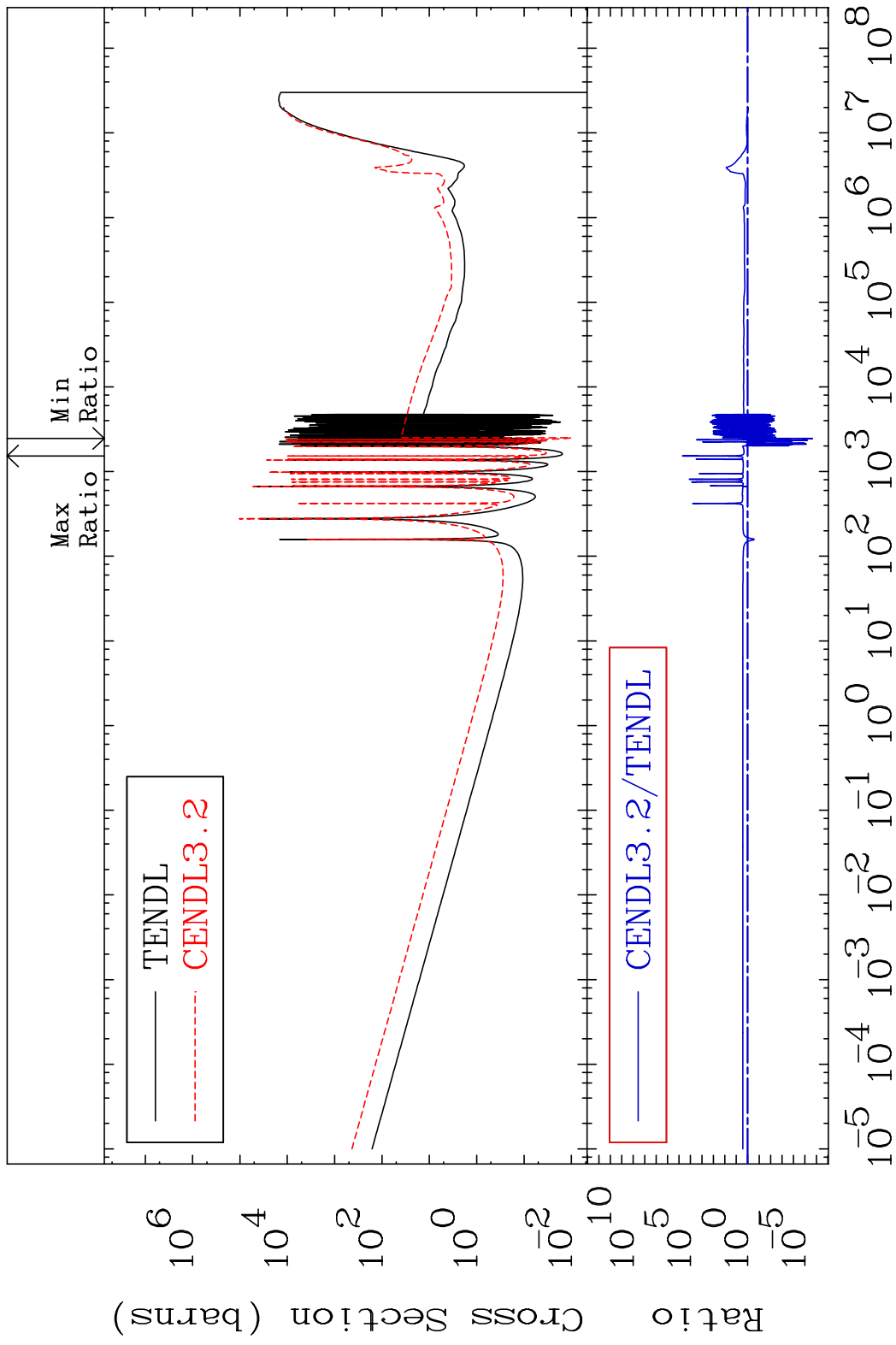
Incident Energy (eV)

50-Sn-114

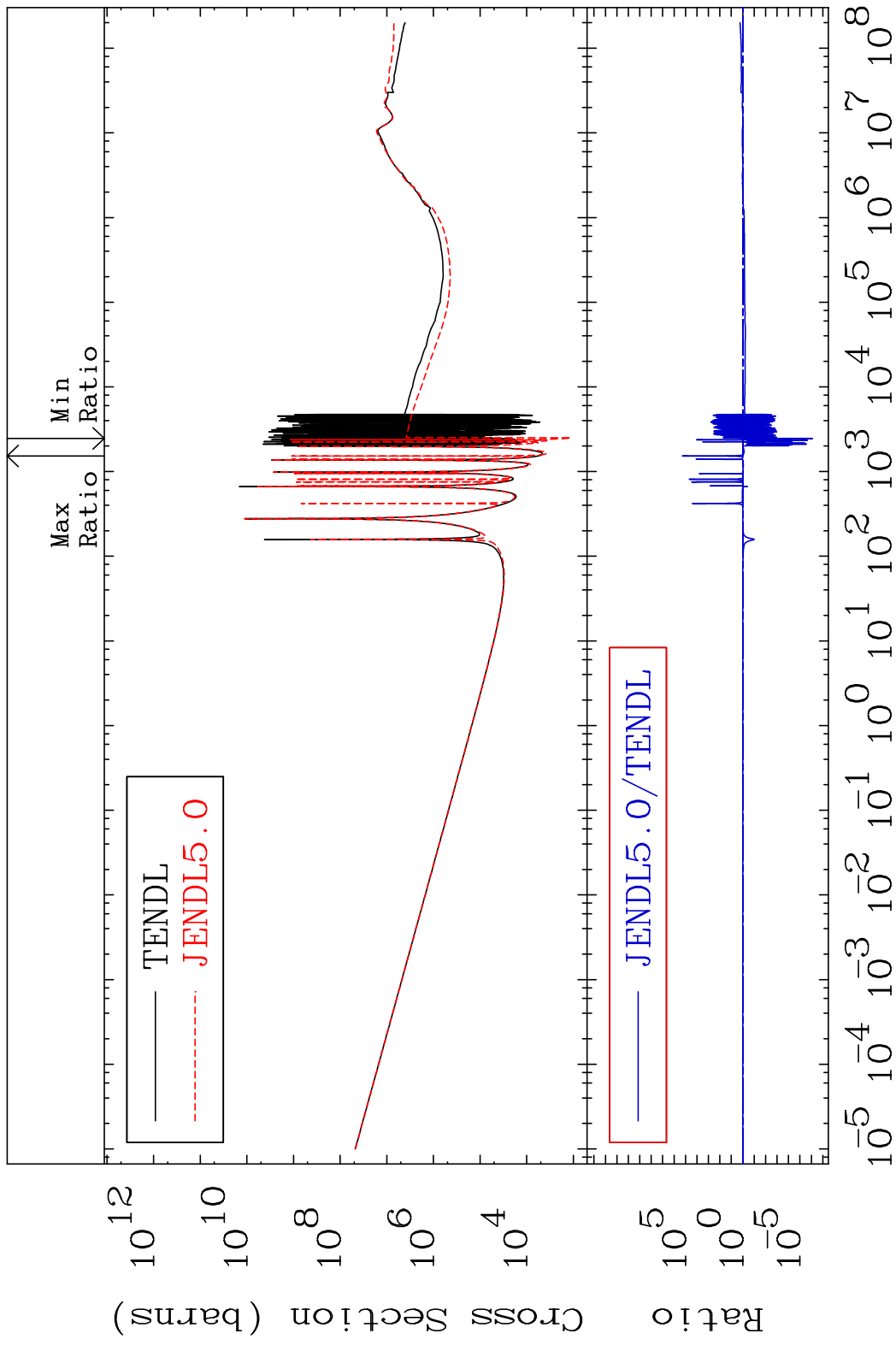
MAT 5031 Dpa inelastic (mt51-91) 50-Sn-114
 Cross Section 8.506 To 9999. %



MAT 5031 Dpa disappearance (mt102 -120) 50-Sn-114
Cross Section -100.0 To 9999. %

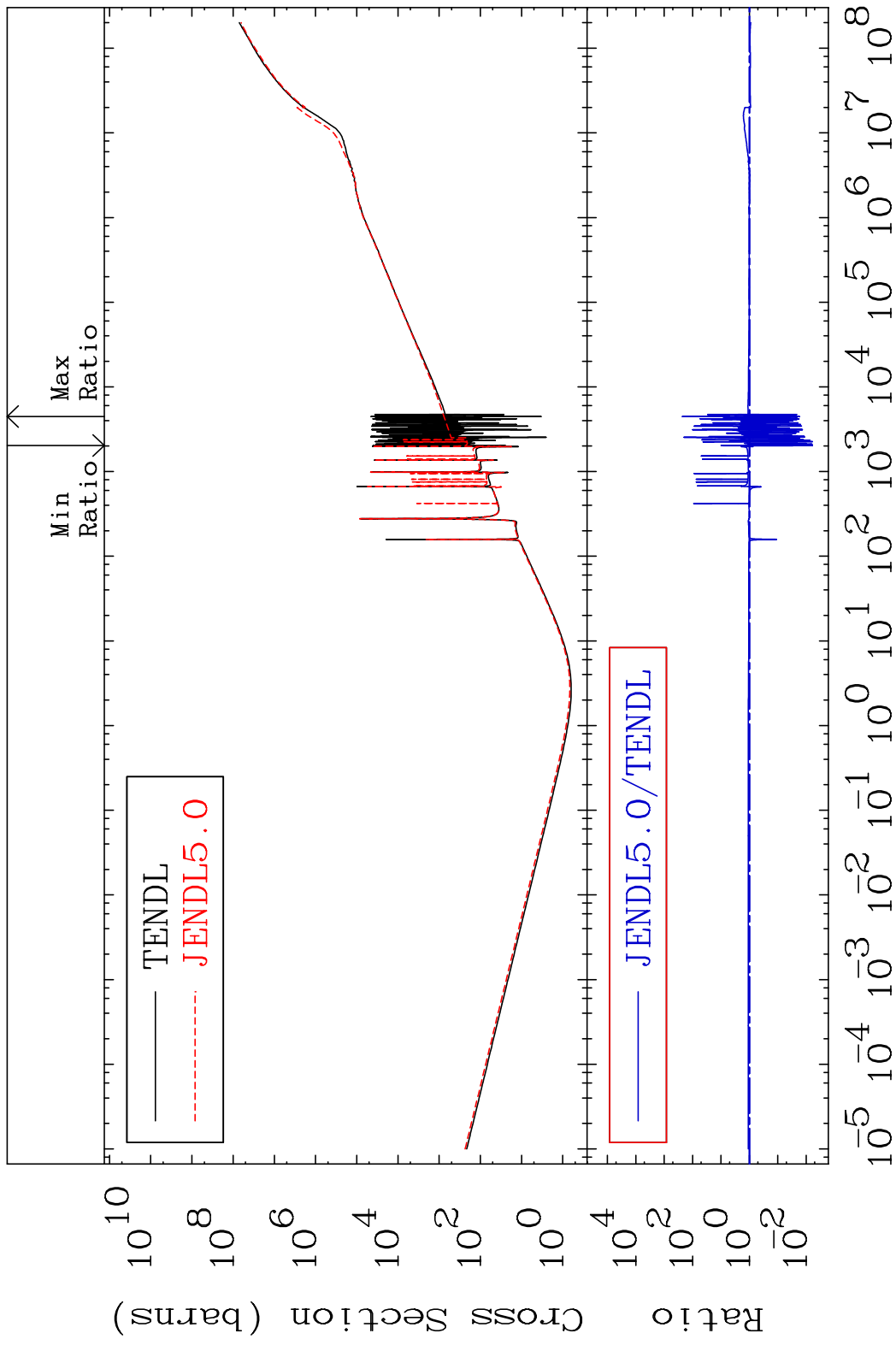


MAT 5031 Total photon (eV-barns) 50-Sn-114
Cross Section -100.0 To 9999. %



60 Incident Energy (eV) 50-Sn-114

MAT 5031 Total kinematic kerma (high limit) 50-Sn-114
 Cross Section -99.40 To 9999. %

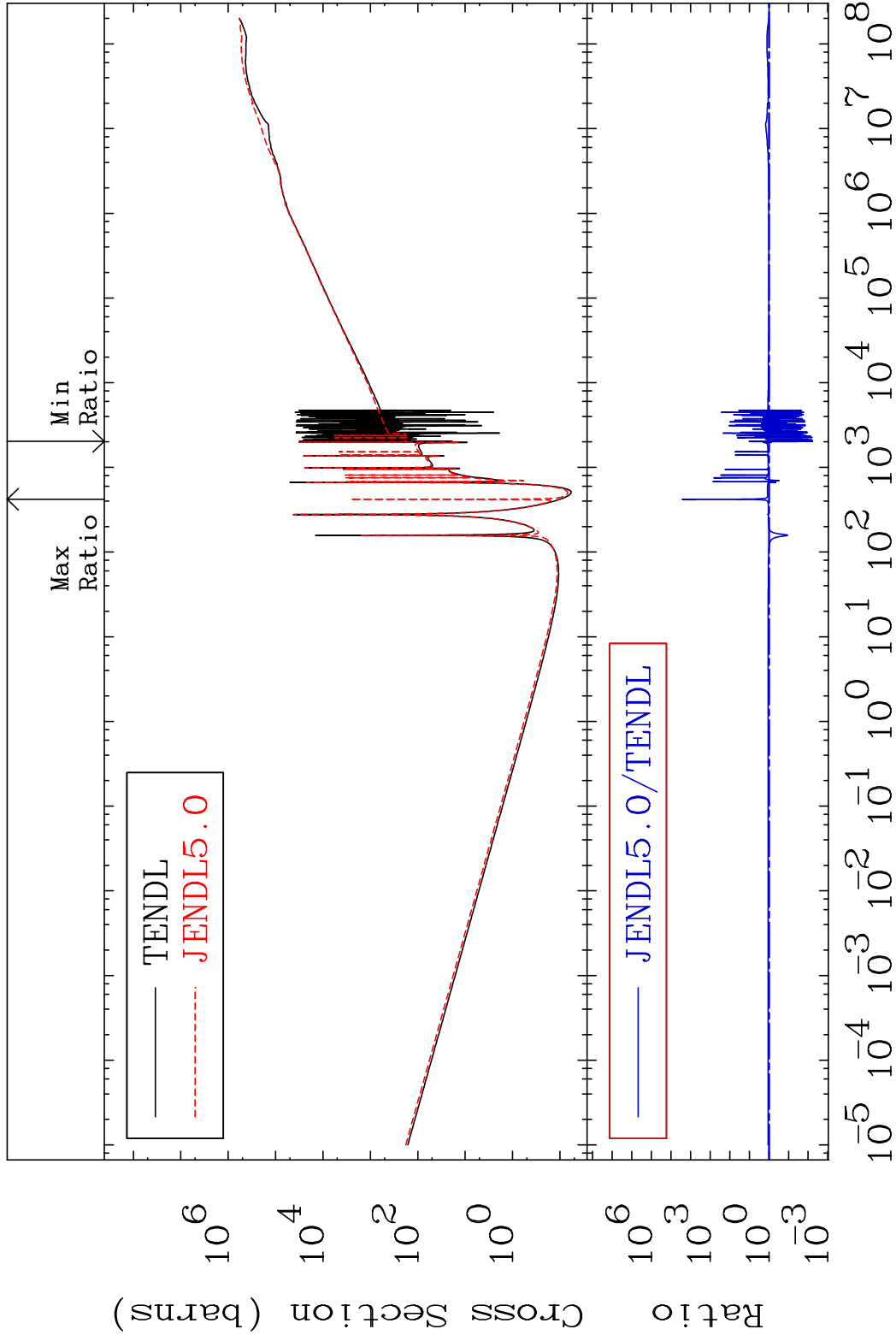


MAT 5031

Dpa total (eV-barns)

50-Sn-114

Cross Section -99.40 To 9999. %



62

Incident Energy (eV)

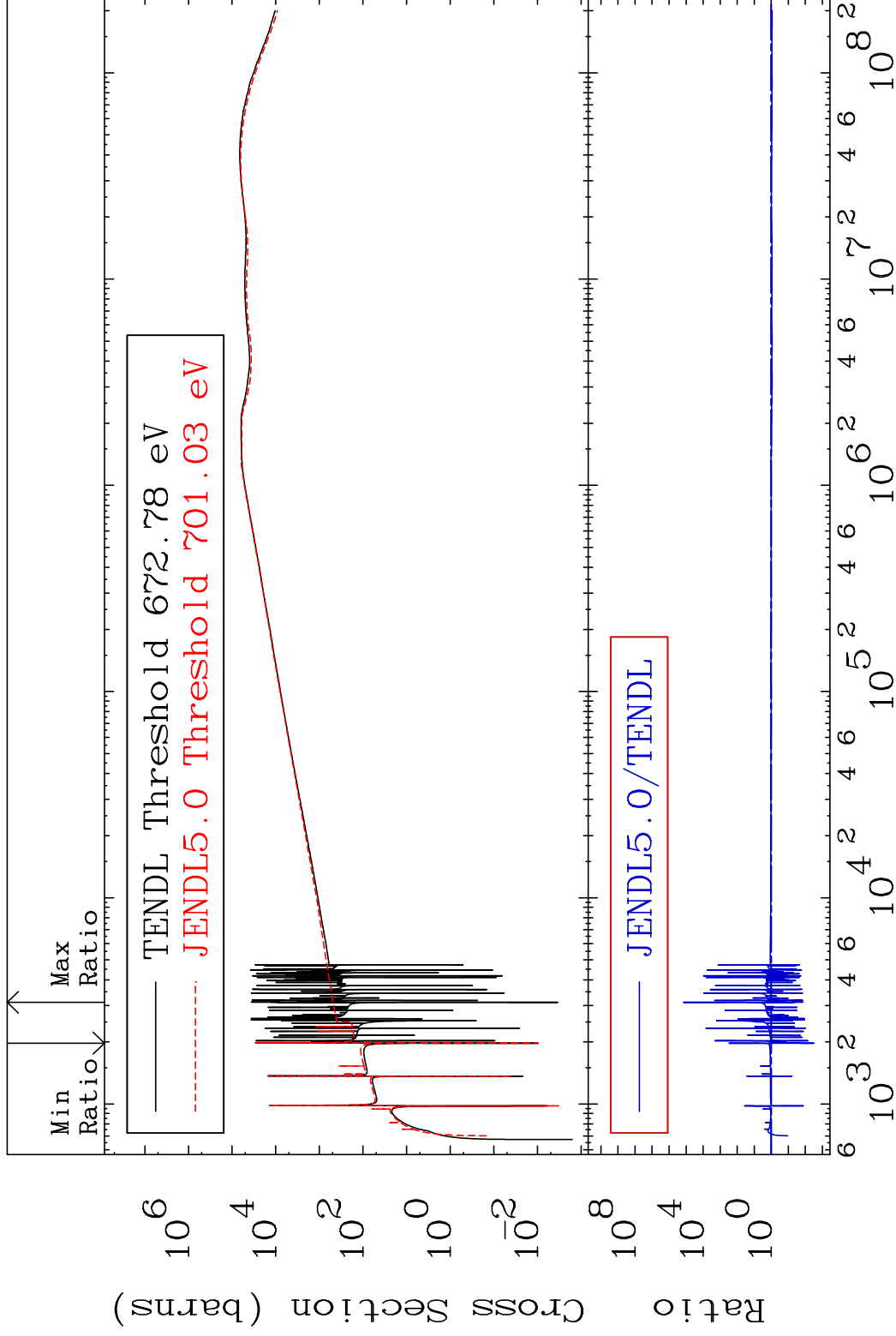
50-Sn-114

MAT 5031

Dpa elastic (mt2)

50-Sn-114

Cross Section -99.70 To 9999. %

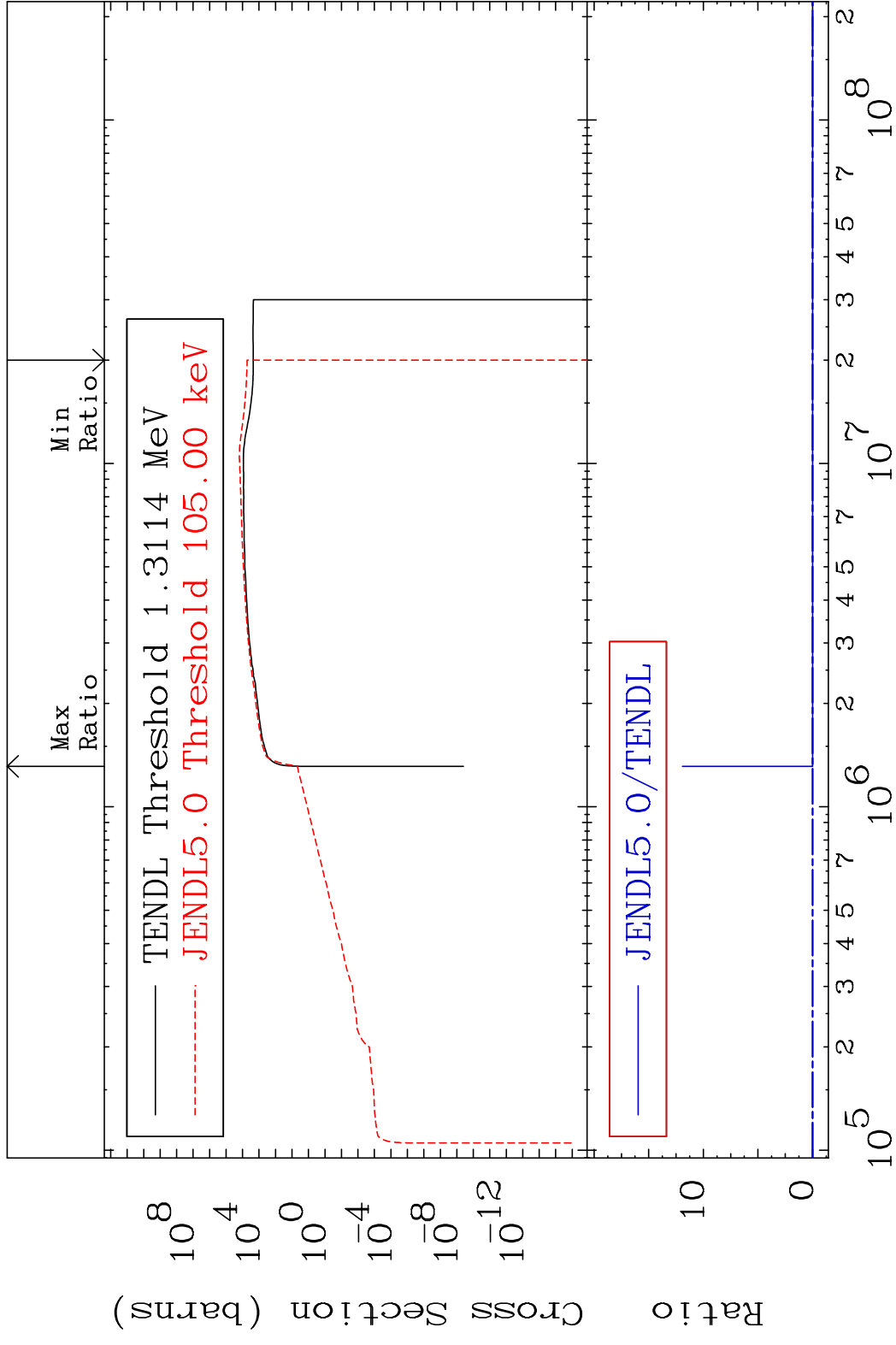


63

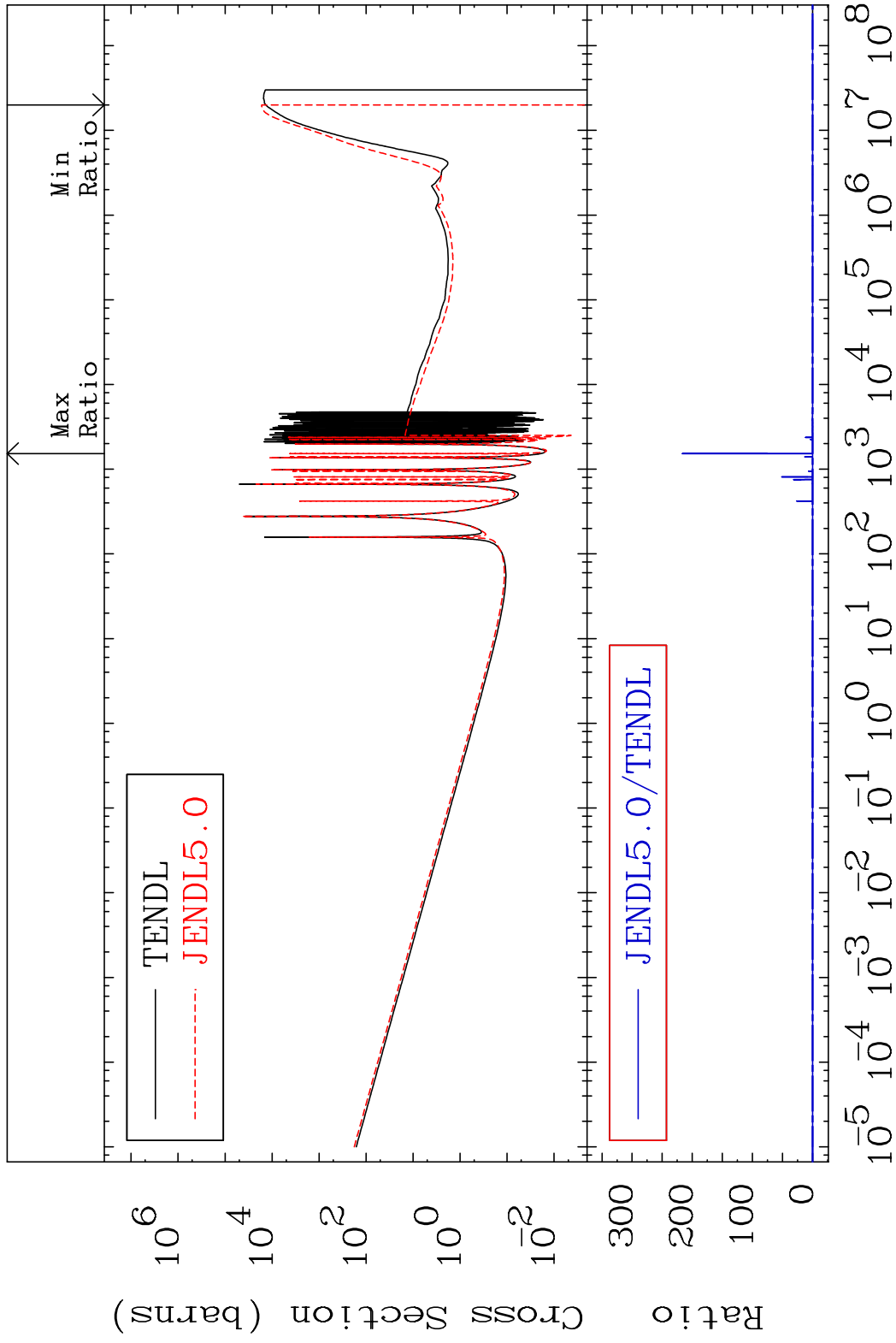
Incident Energy (eV)

50-Sn-114

MAT 5031 Dpa inelastic (mt51-91) 50-Sn-114
 Cross Section -100.0 To 9999. %

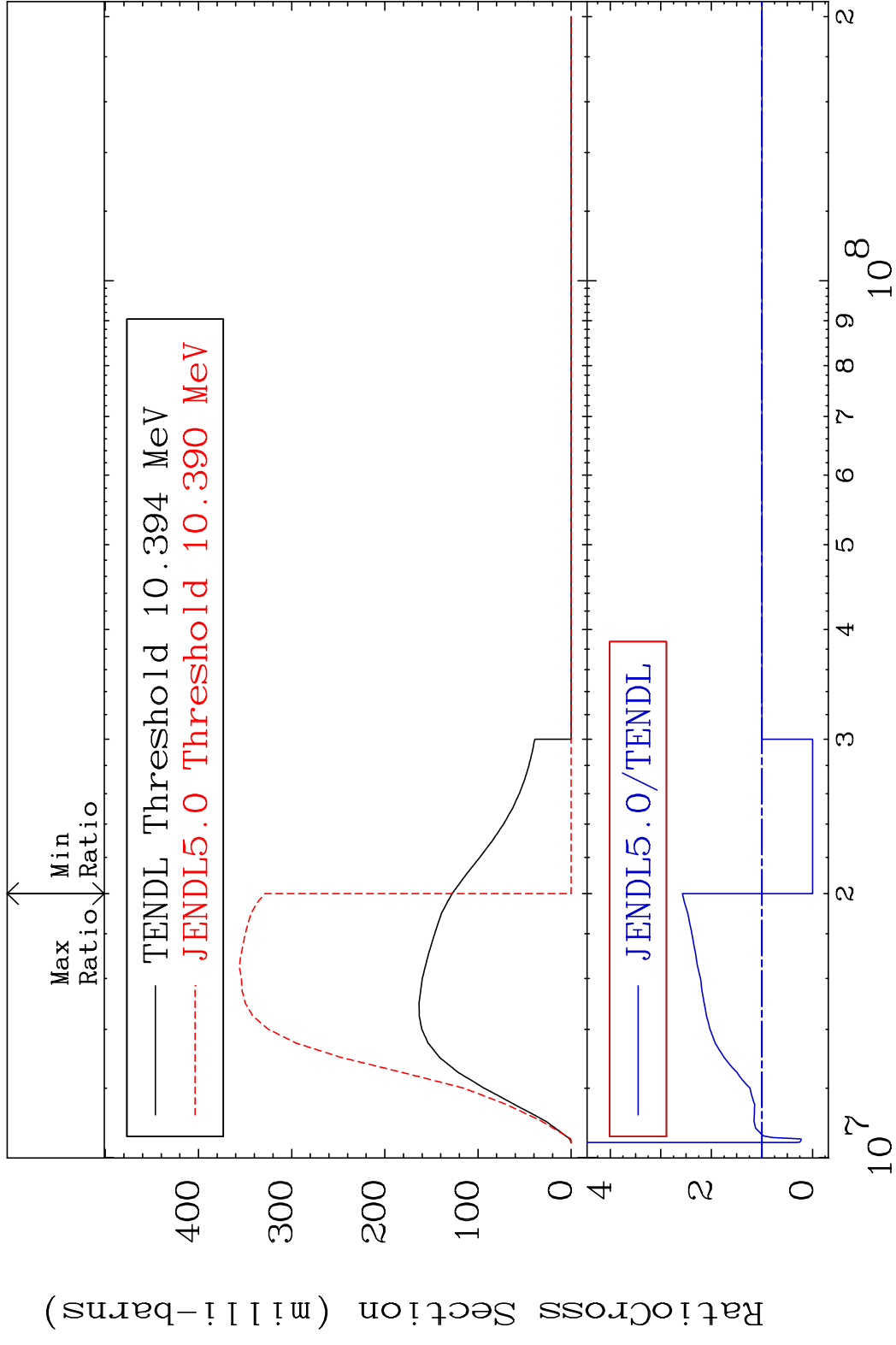


MAT 5031 Dpa disappearance (mt102 -120) 50-Sn-114
 Cross Section -100.0 To 9999. %

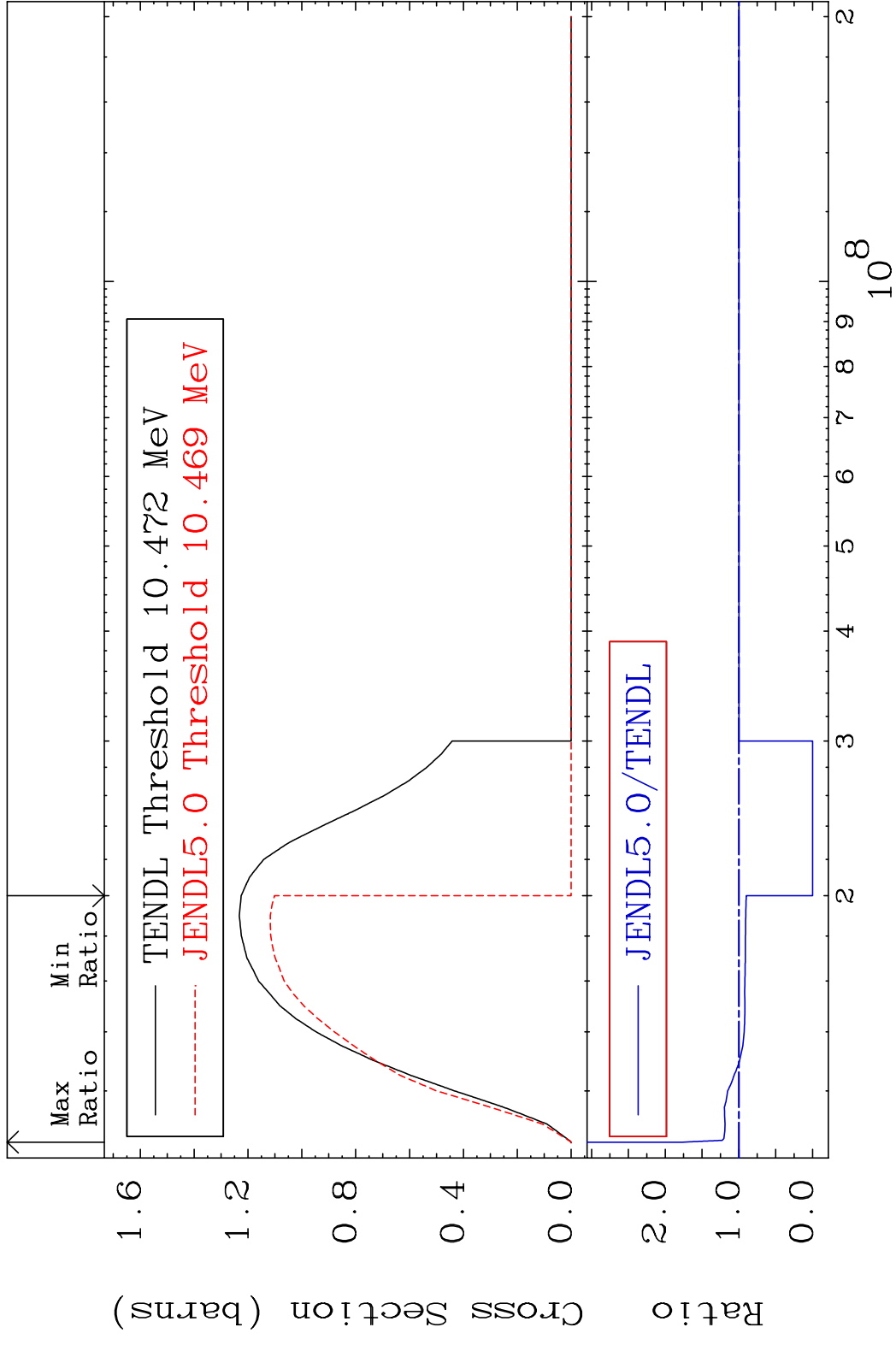


65 Incident Energy (eV) 50-Sn-114

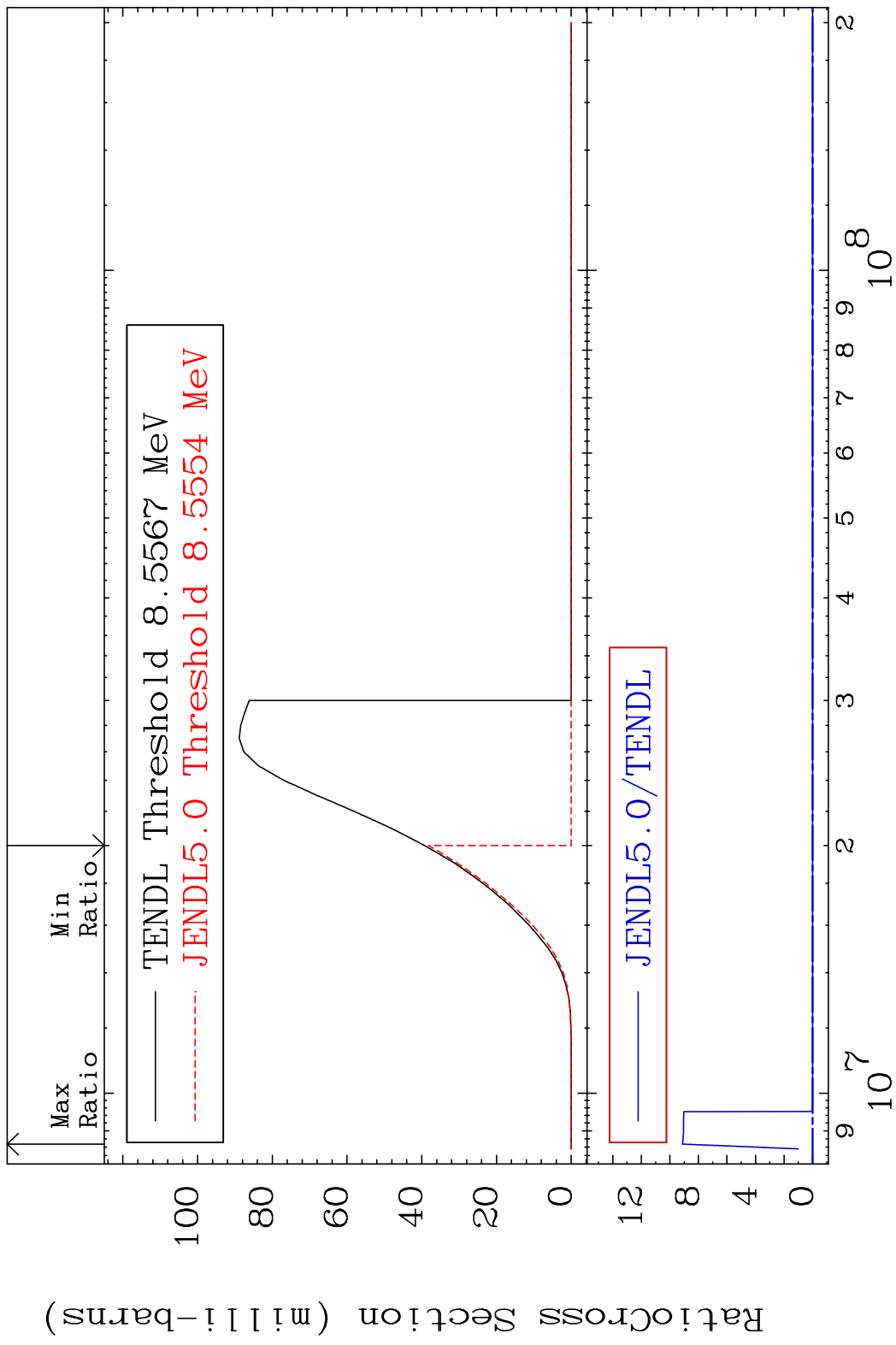
MAT 5031 (n,2n):50-Sn-113g 50-Sn-114
 Radionuclide Production Cross Section 157.4 %



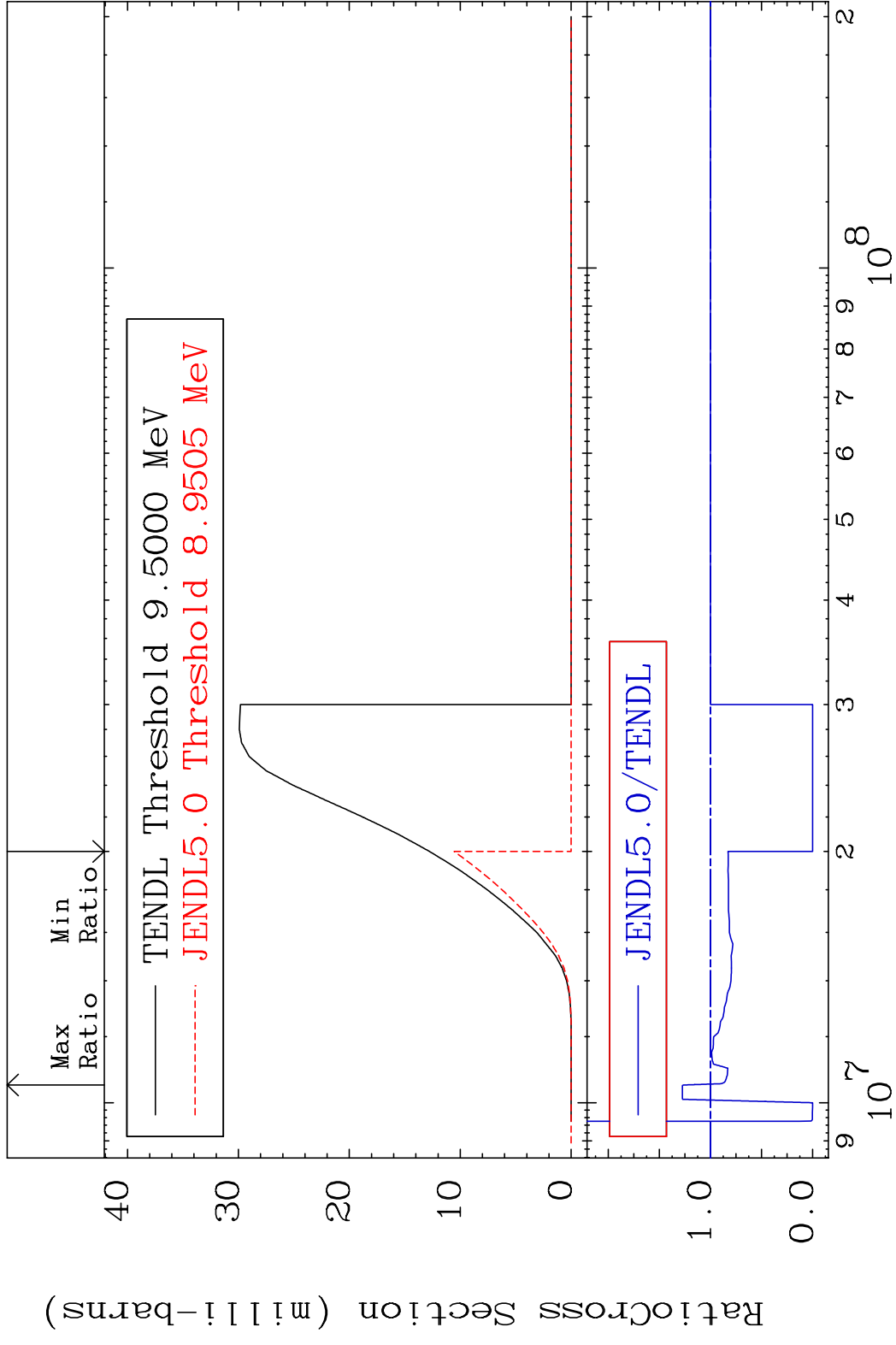
MAT 5031 (n,2n):50-Sn-113m1 50-Sn-114
 Radionuclide Production Cross Section 180.01 dth 76.72 %



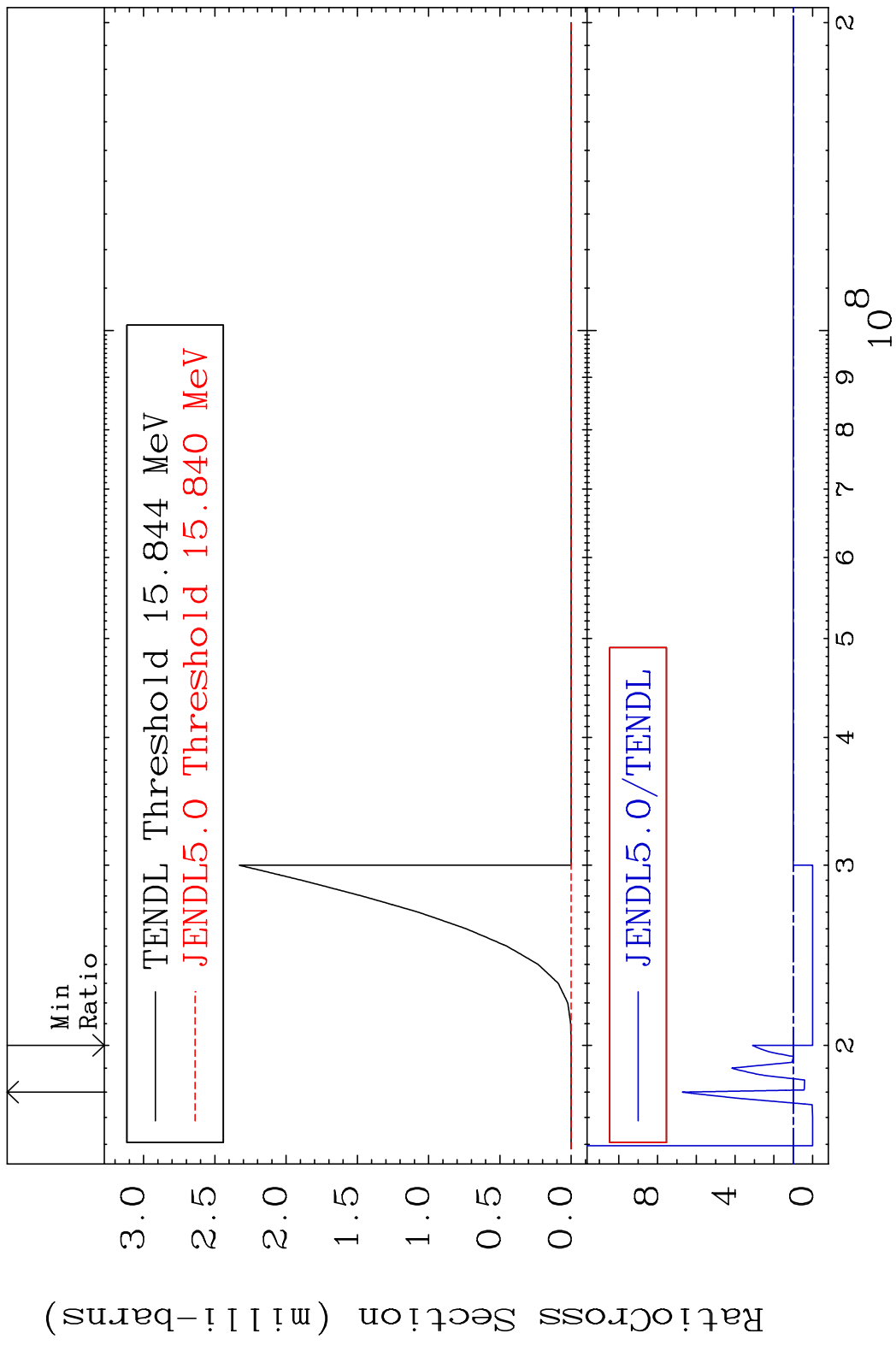
MAT 5031 (n, n') p:49-In-113g 50-Sn-114
 Radionuclide Production Cross Section Ratio



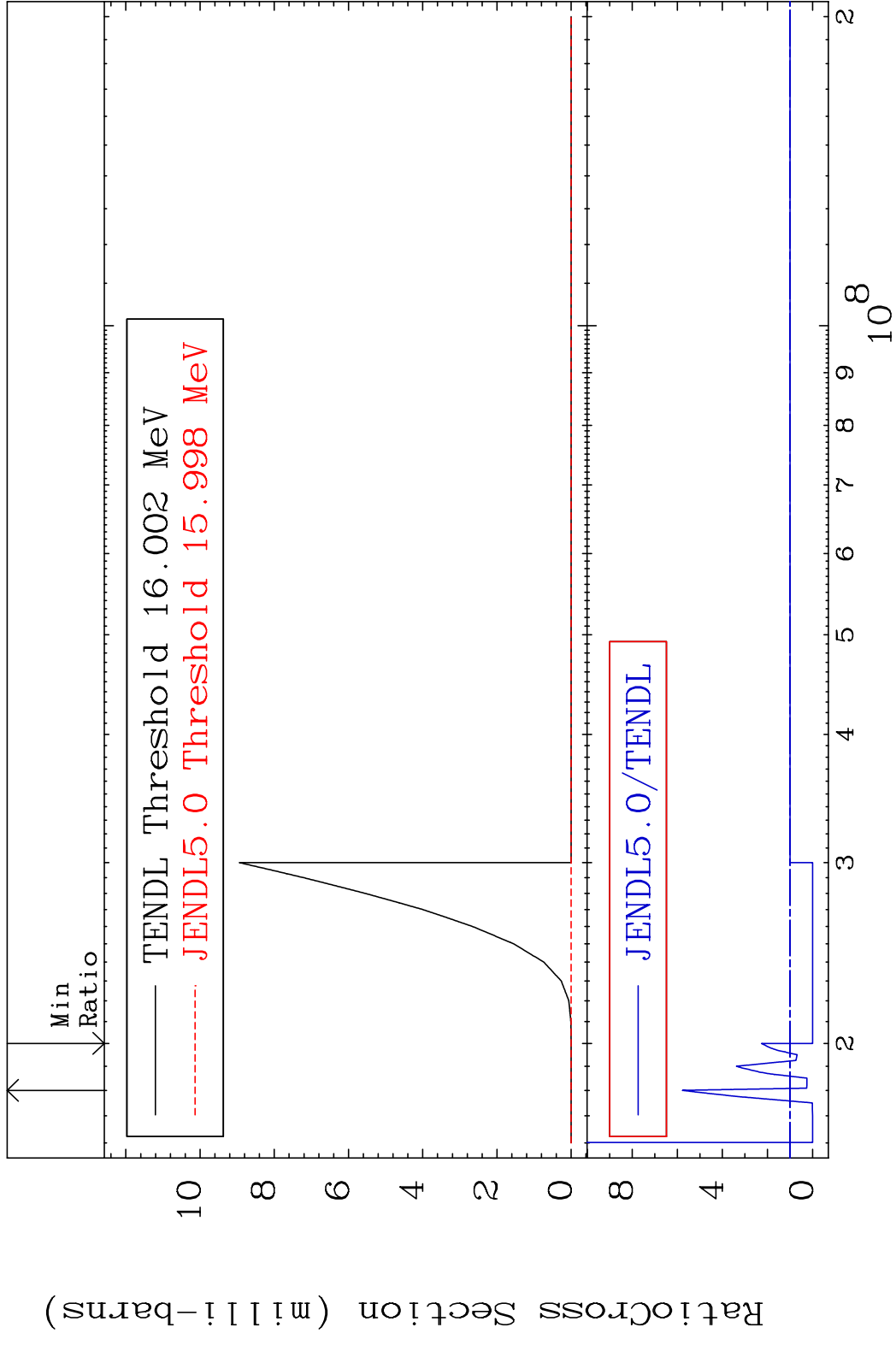
MAT 5031 (n, n') p:49-In-113m1 50-Sn-114
 Radionuclide Production Cross Section 180.01 dth 27.47 %



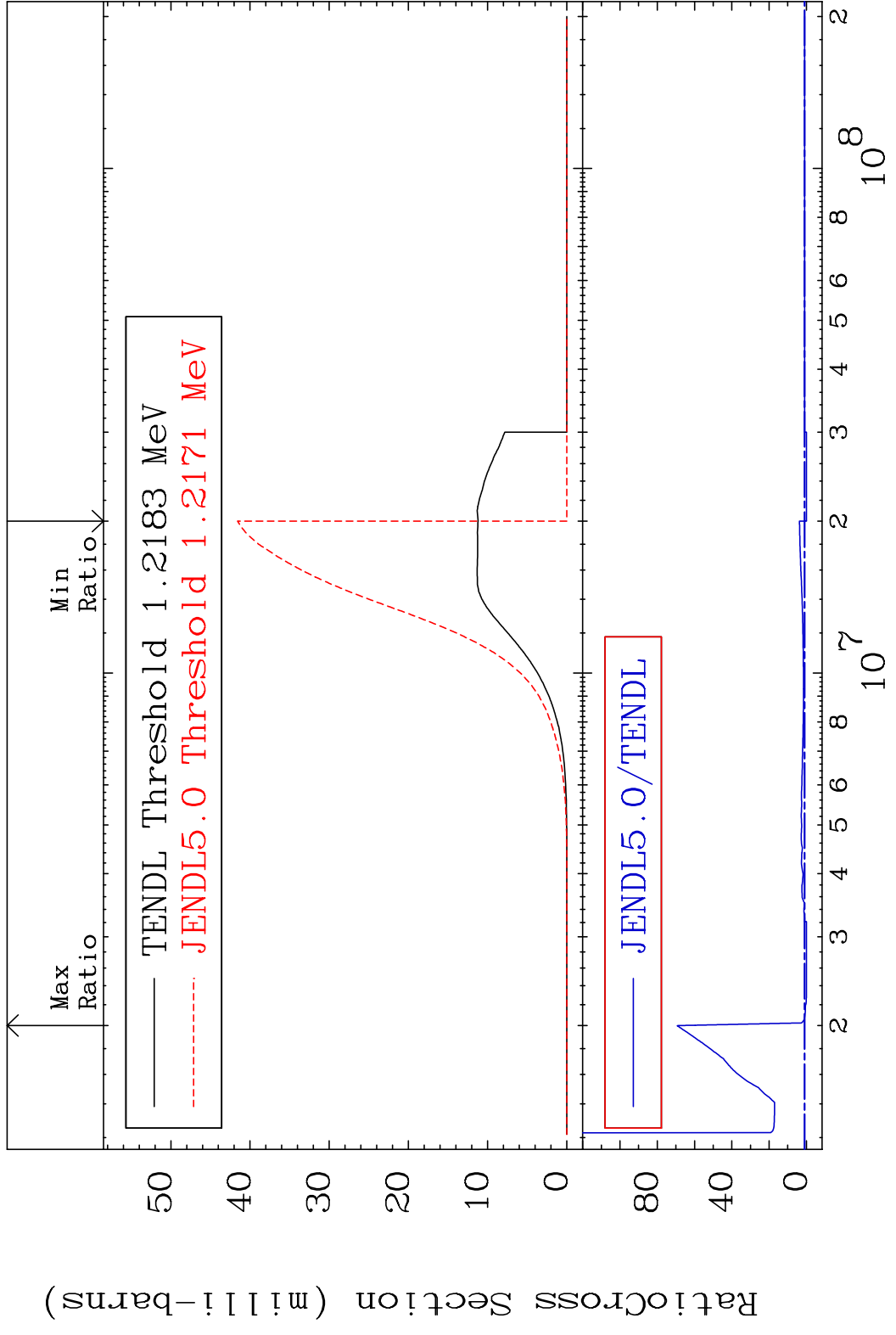
MAT 5031 (n, n') d:49-In-112g 50-Sn-114
 Radionuclide Production Cross Section 180.0 d to 571.8 %



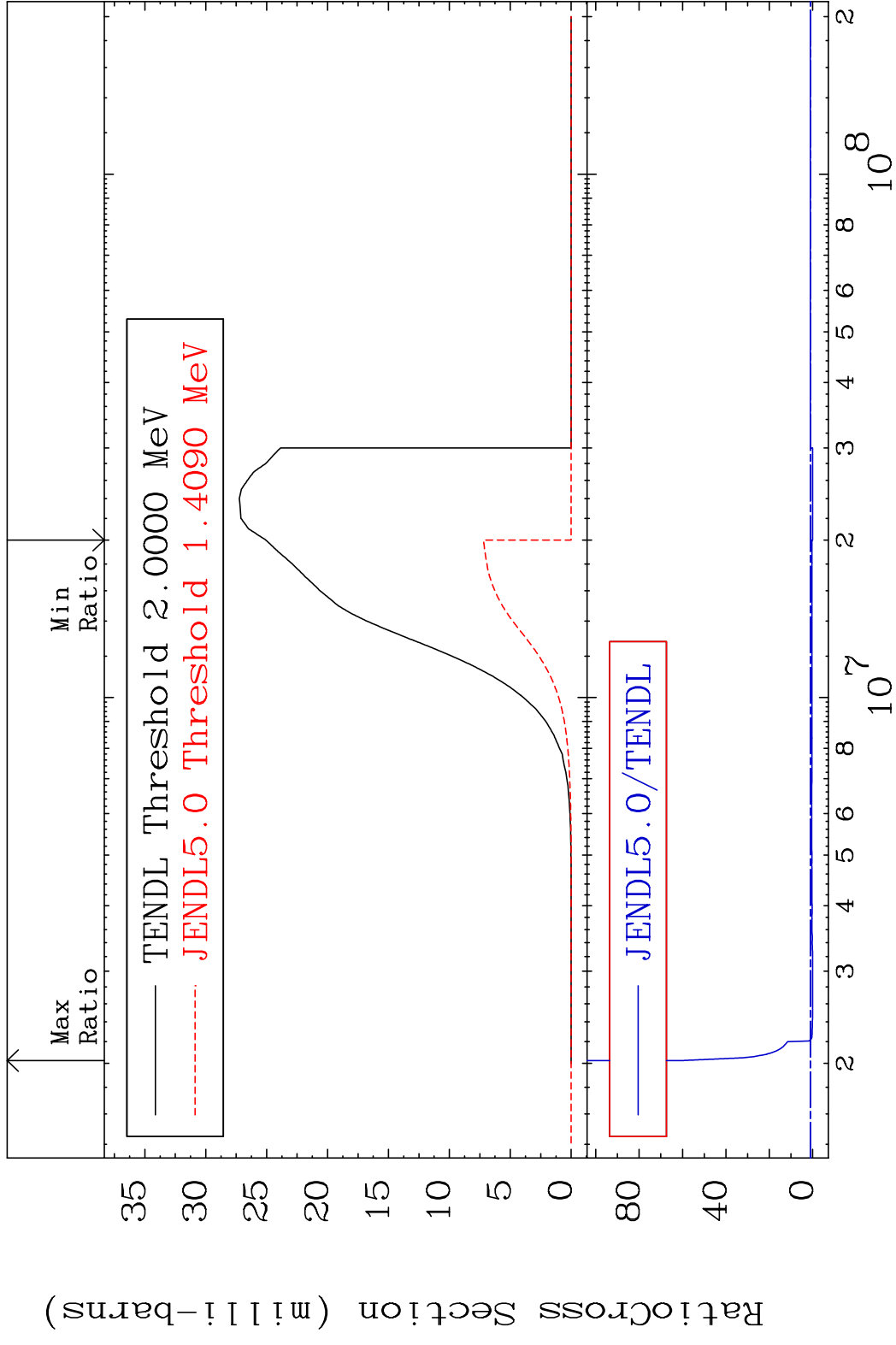
MAT 5031 (n, n') d:49-In-112m1 50-Sn-114
 Radionuclide Production Cross Section 180.0 dth 477.7 %



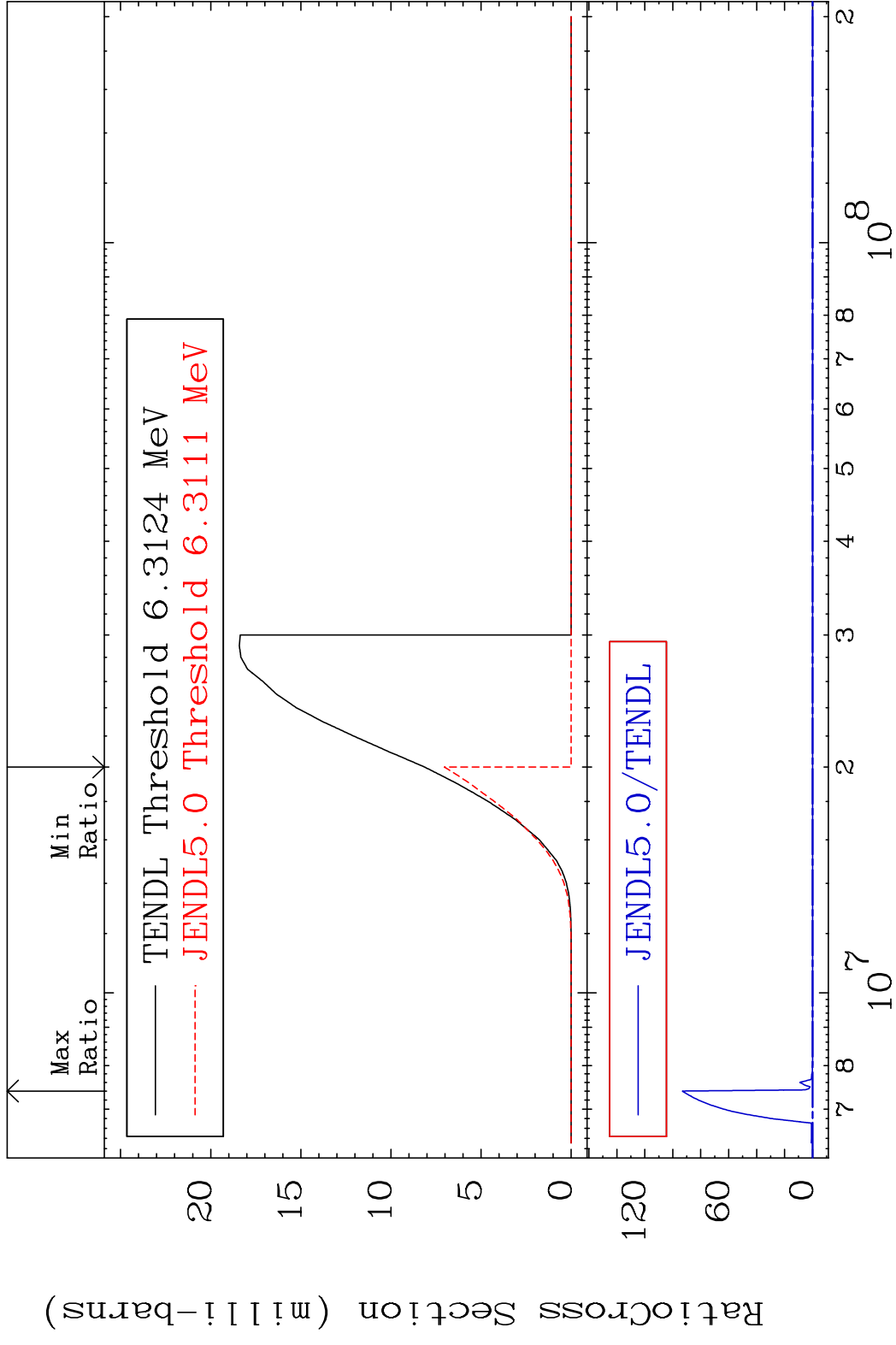
MAT 5031 (n,p):49-In-114g 50-Sn-114
 Radionuclide Production Cross Section to 6831. %



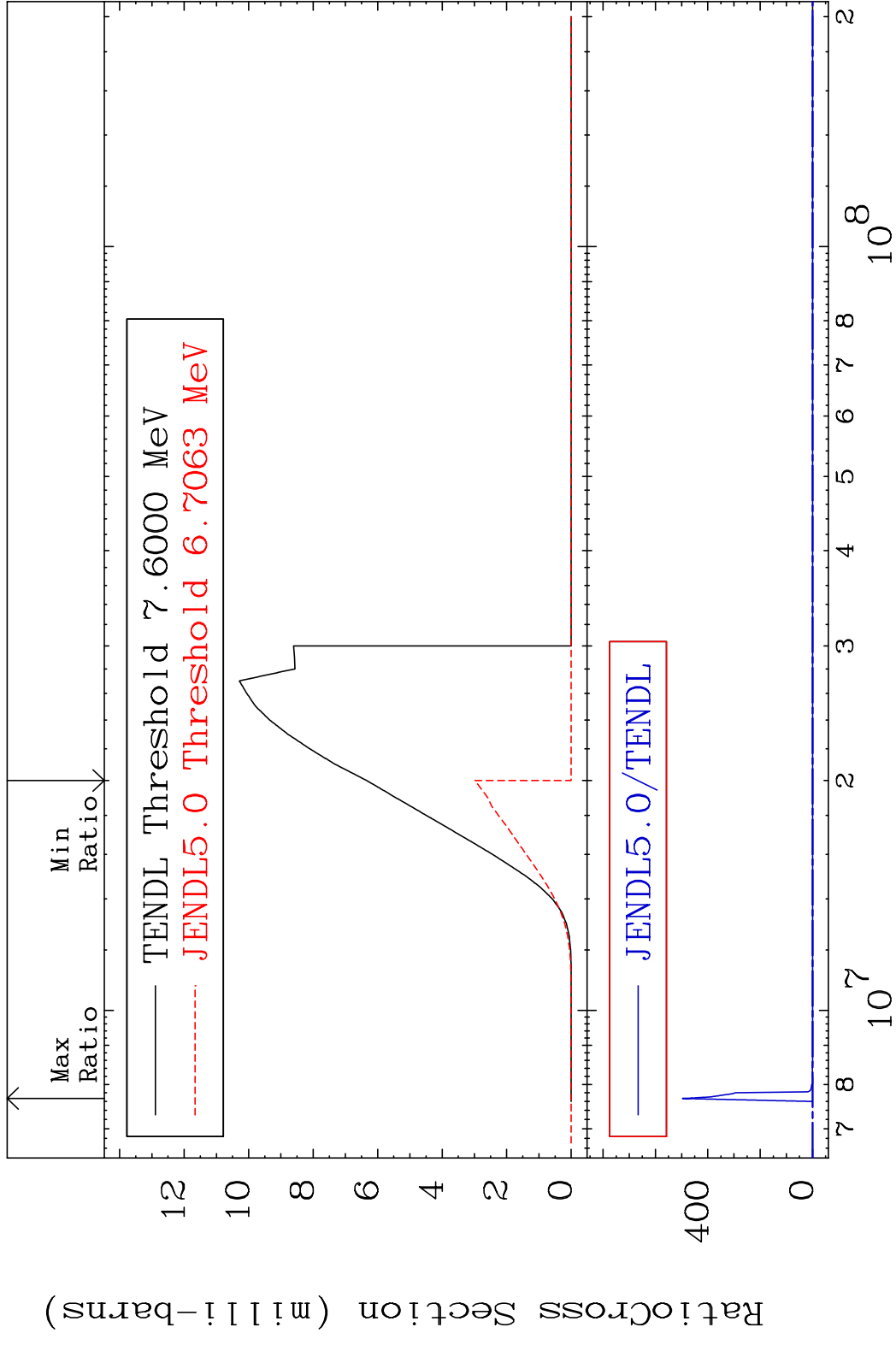
MAT 5031 (n, p): 49-In-114m1 50-Sn-114
 Radionuclide Production Cross Section 5907. %



MAT 5031 (n,d):49-In-113g 50-Sn-114
 Radionuclide Production Cross Section to 9999. %

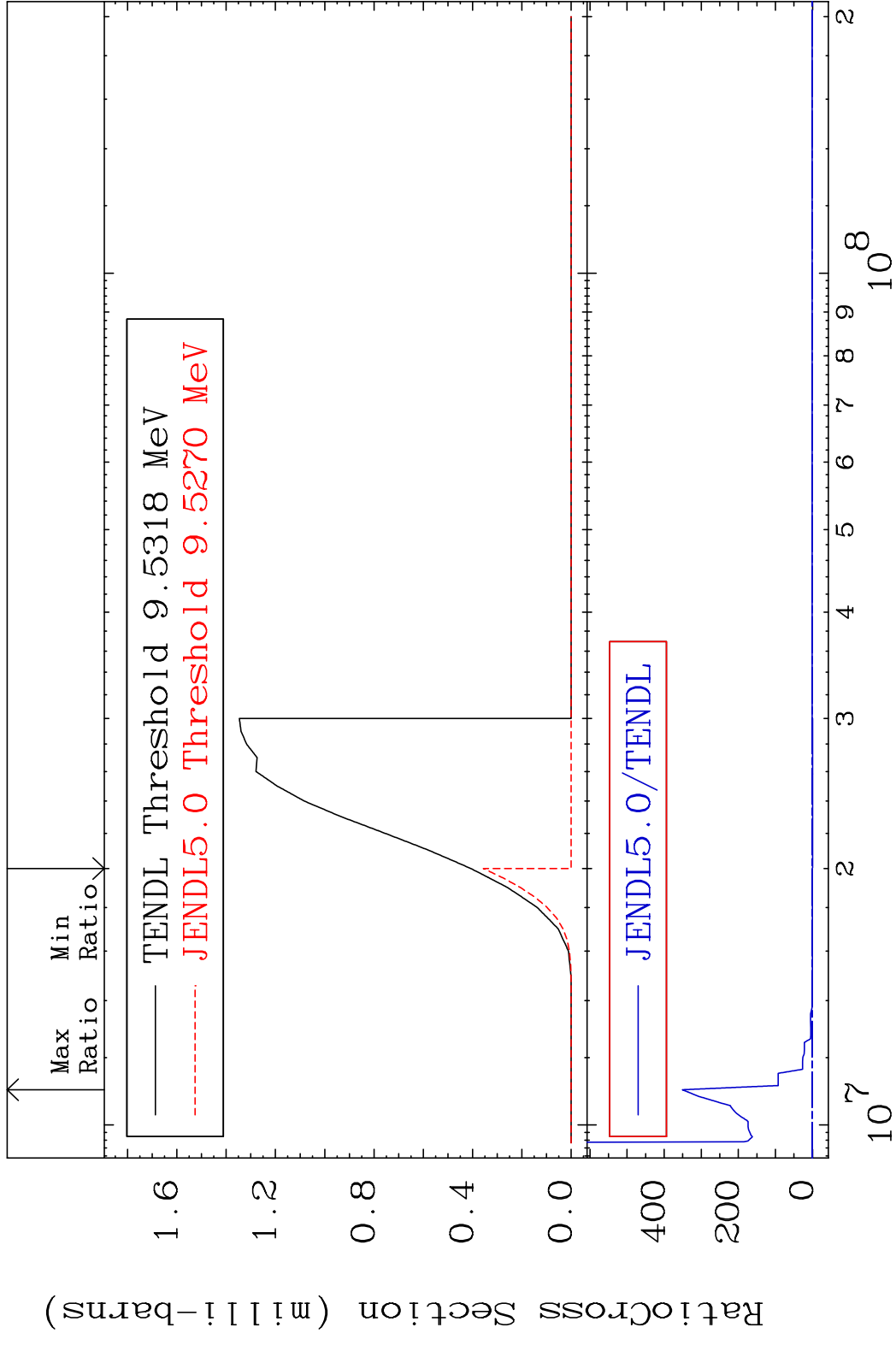


MAT 5031 (n, d): 49-In-113m1 50-Sn-114
 Radionuclide Production Cross Section to 9999. %



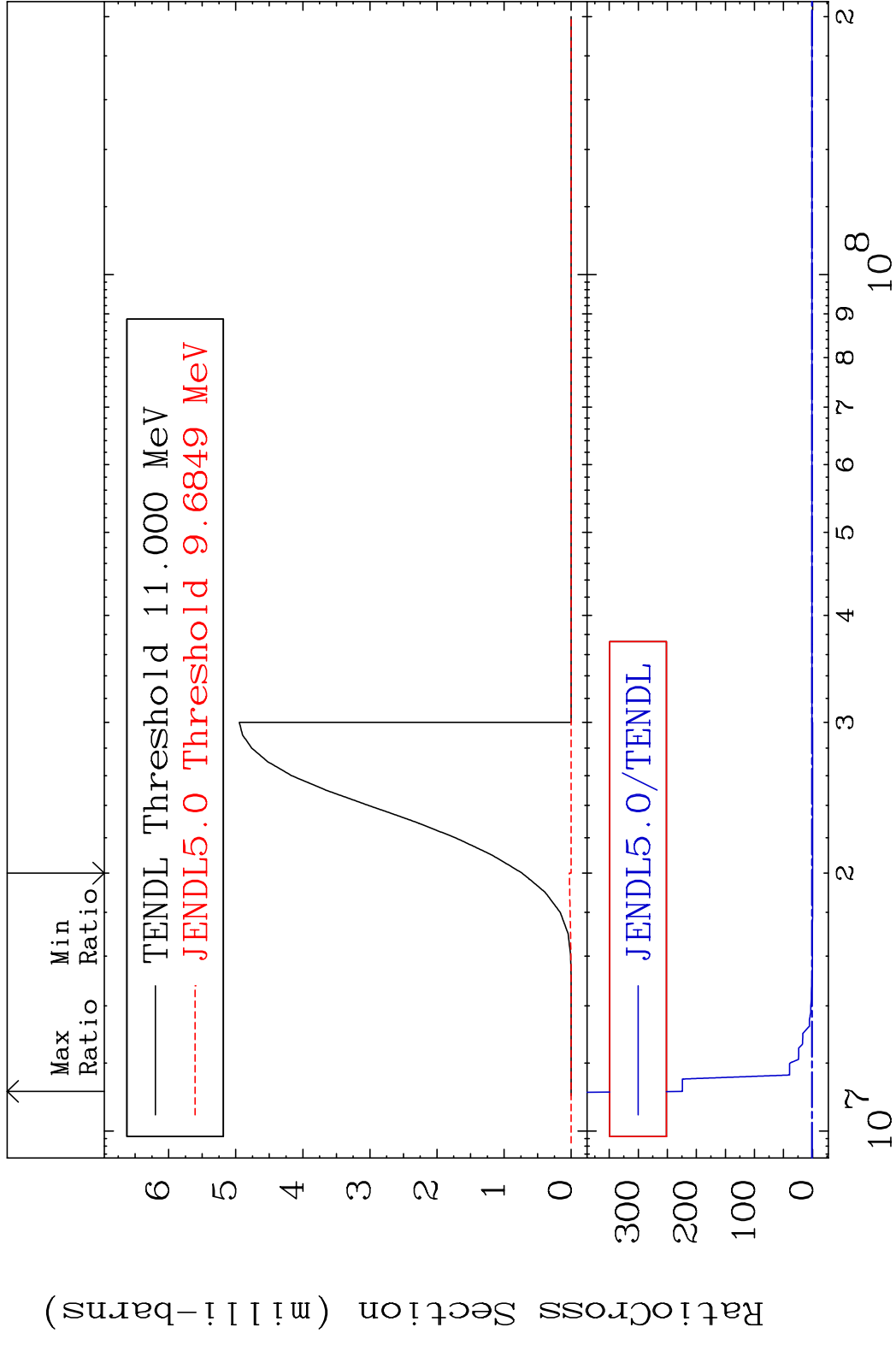
75 50-Sn-114

MAT 5031 (n,t):49-In-112g 50-Sn-114
 Radionuclide Production Cross Section 100.0% 9999. %



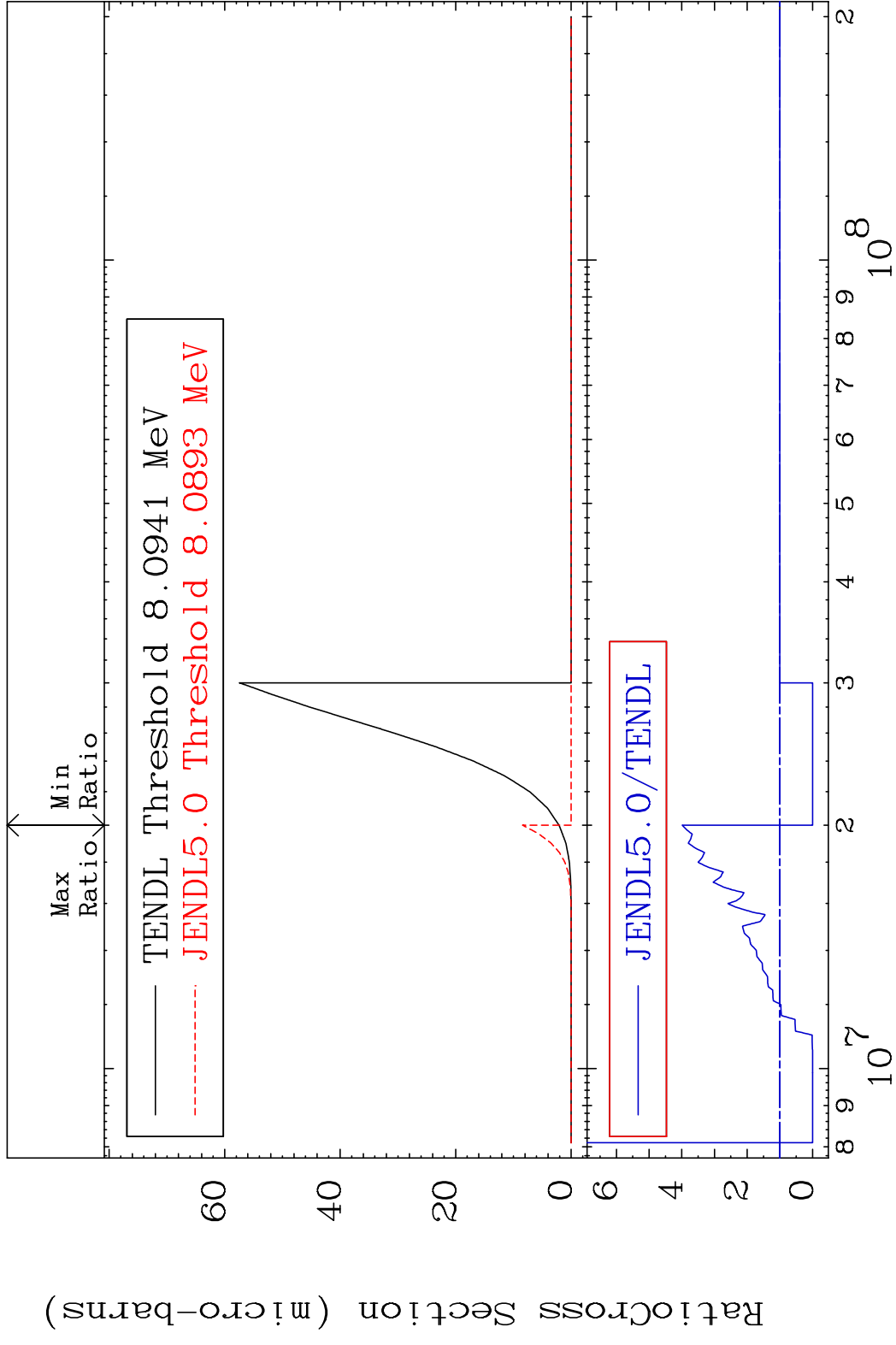
76 Incident Energy (eV) 50-Sn-114

MAT 5031 (n, t):49-In-112m1 50-Sn-114
 Radionuclide Production Cross Section to 9999. %

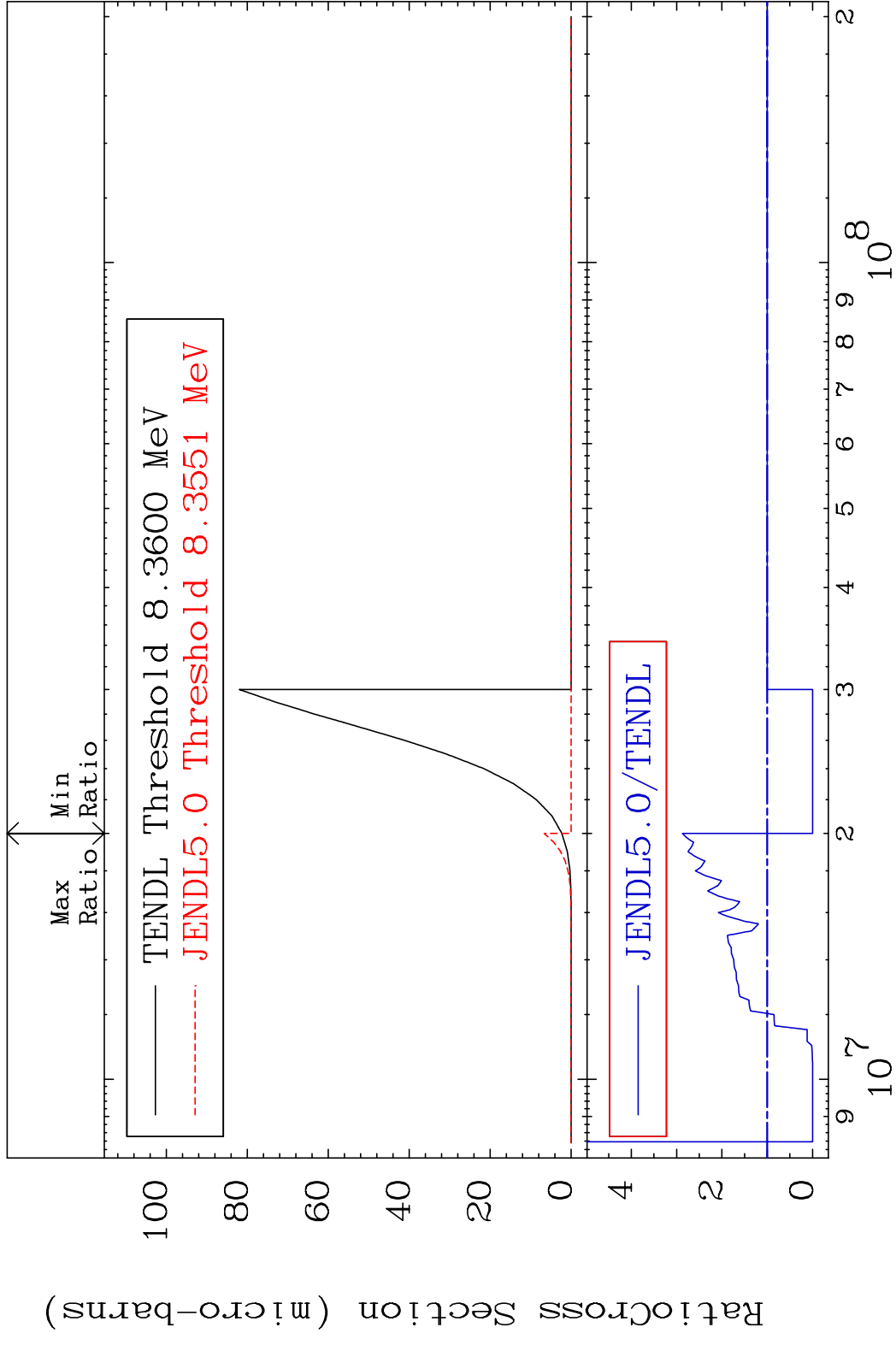


77 50-Sn-114

MAT 5031 (n,2p):48-Cd-113g 50-Sn-114
 Radionuclide Production Cross Section 180.01 dth 298.3 %



MAT 5031 (n, 2p) : 48-Cd-113m1 50-Sn-114
 Radionuclide Production Cross Section 187.4 %



79 Incident Energy (eV) 50-Sn-114

MAT 5031 (n, p) α :47-Ag-110g 50-Sn-114
 Radionuclide Production Cross Section Ratio 9999. %

