

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

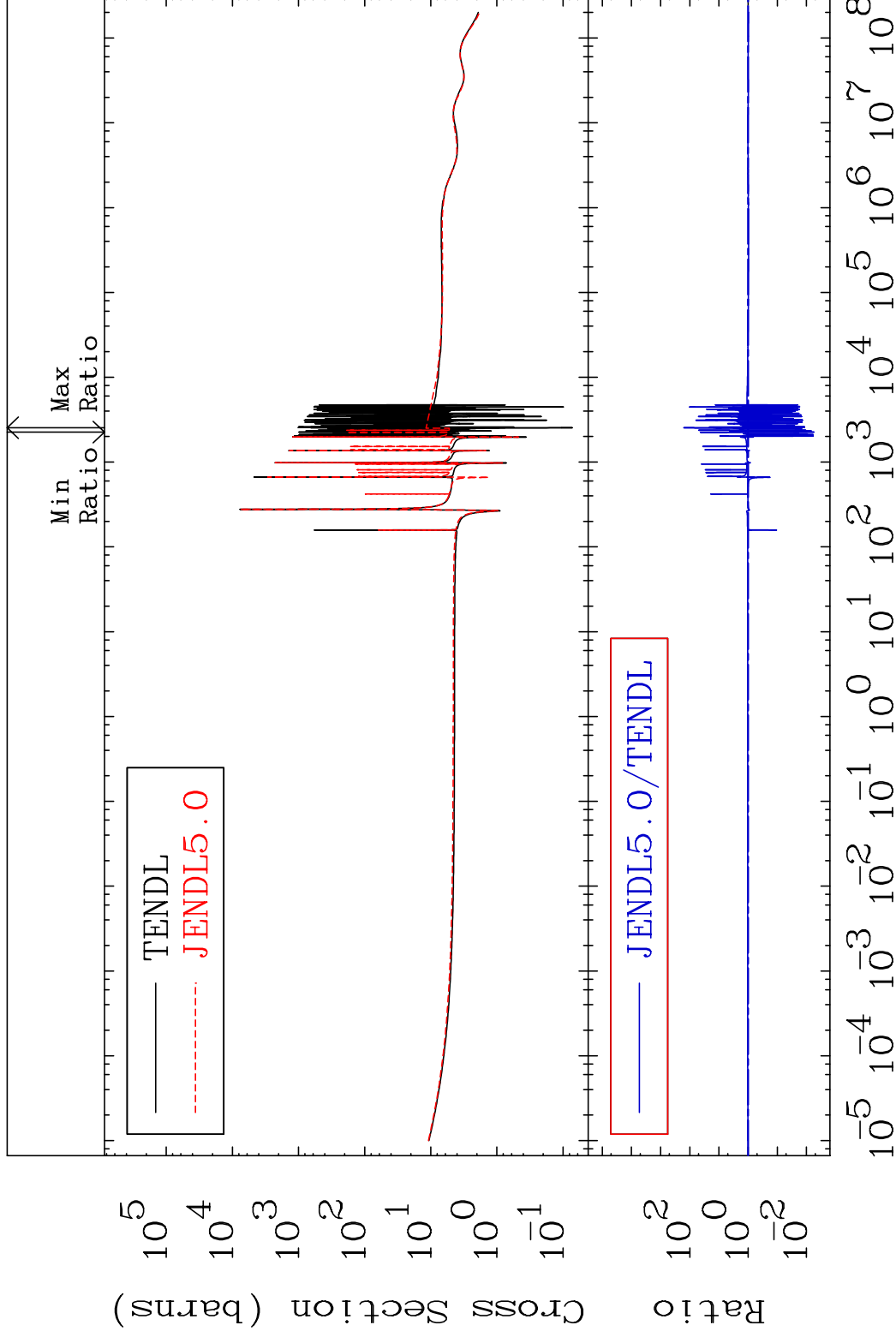
MAT 5031

Total

50-Sn-114

Cross Section

-99.45 To 9999. %



1

Incident Energy (eV)

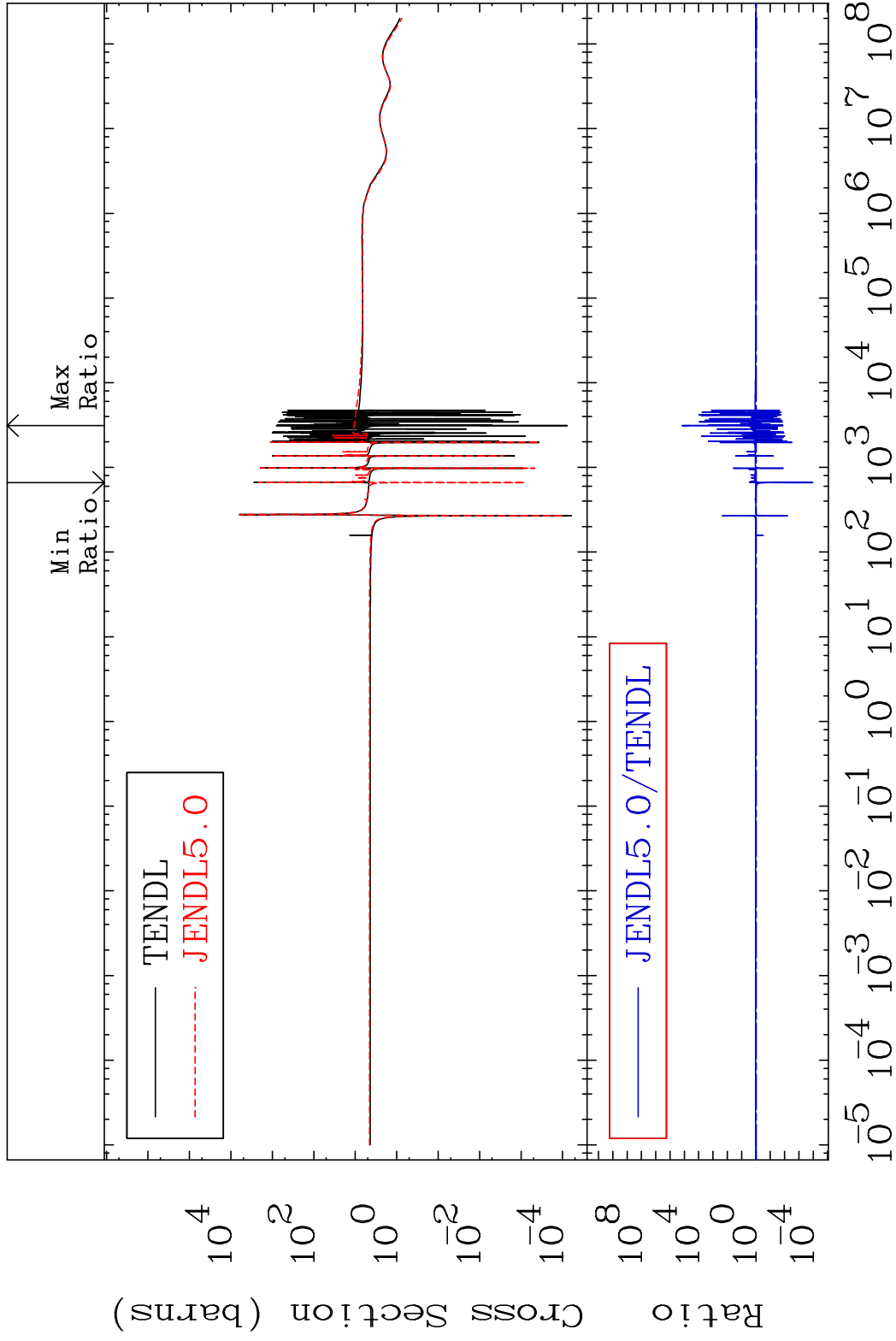
50-Sn-114

MAT 5031

Elastic

50-Sn-114

Cross Section -99.99 To 9999. %



2

Incident Energy (eV)

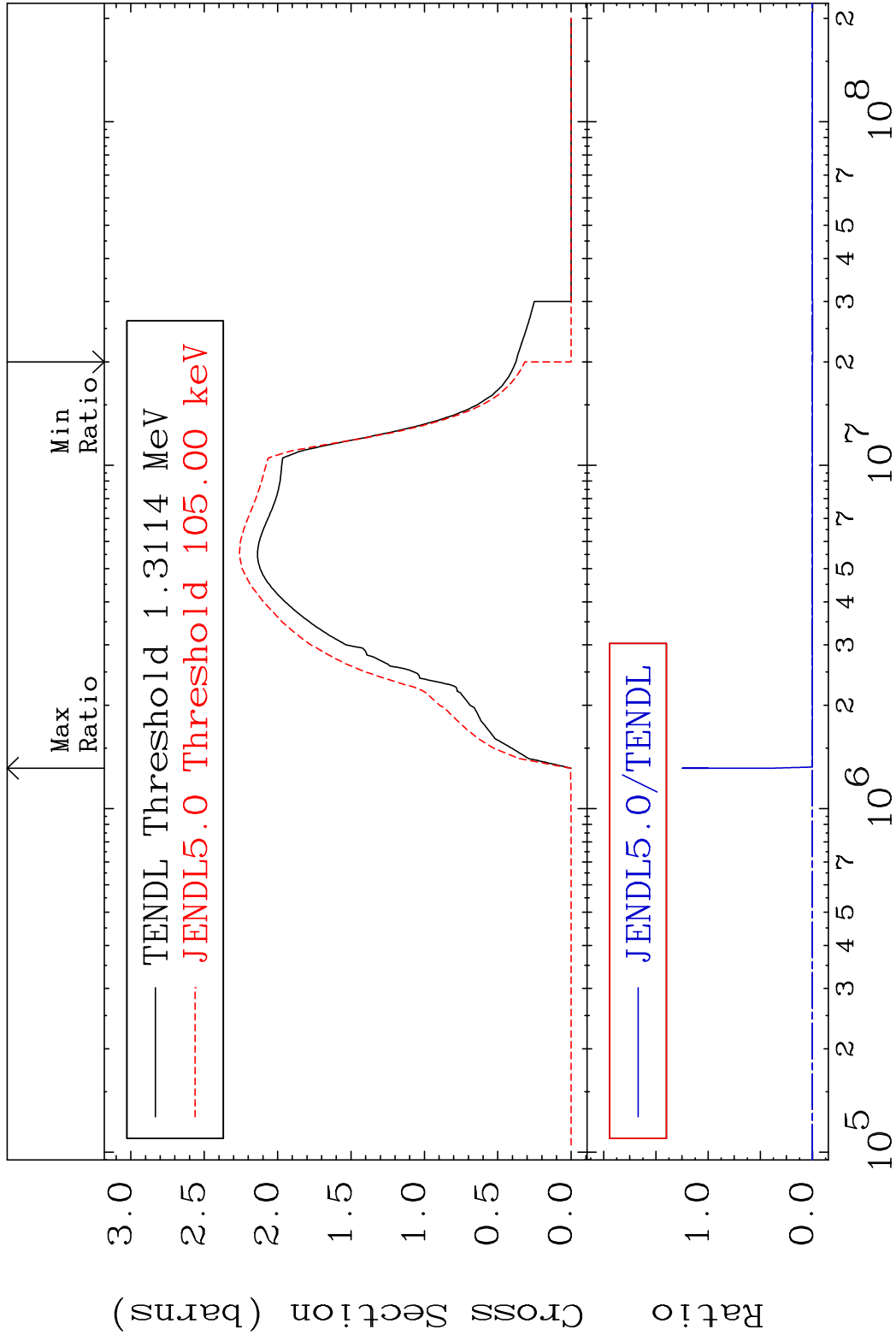
50-Sn-114

MAT 5031

Inelastic

50-Sn-114

Cross Section -100.0 To 9999. %

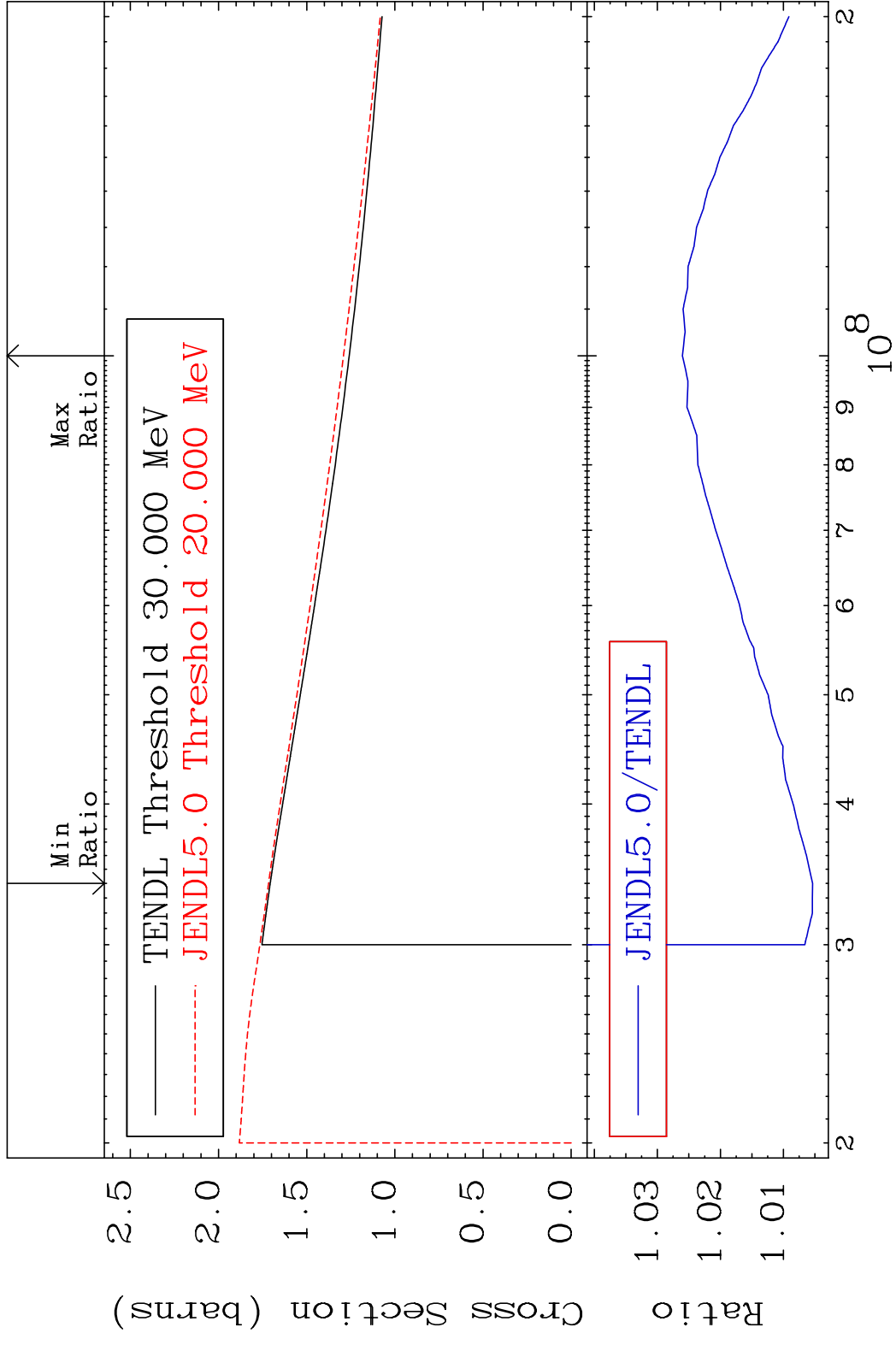


3

Incident Energy (eV)

50-Sn-114

MAT 5031 (n, remainder) 50-Sn-114
 Cross Section 0.538 To 2.603 %



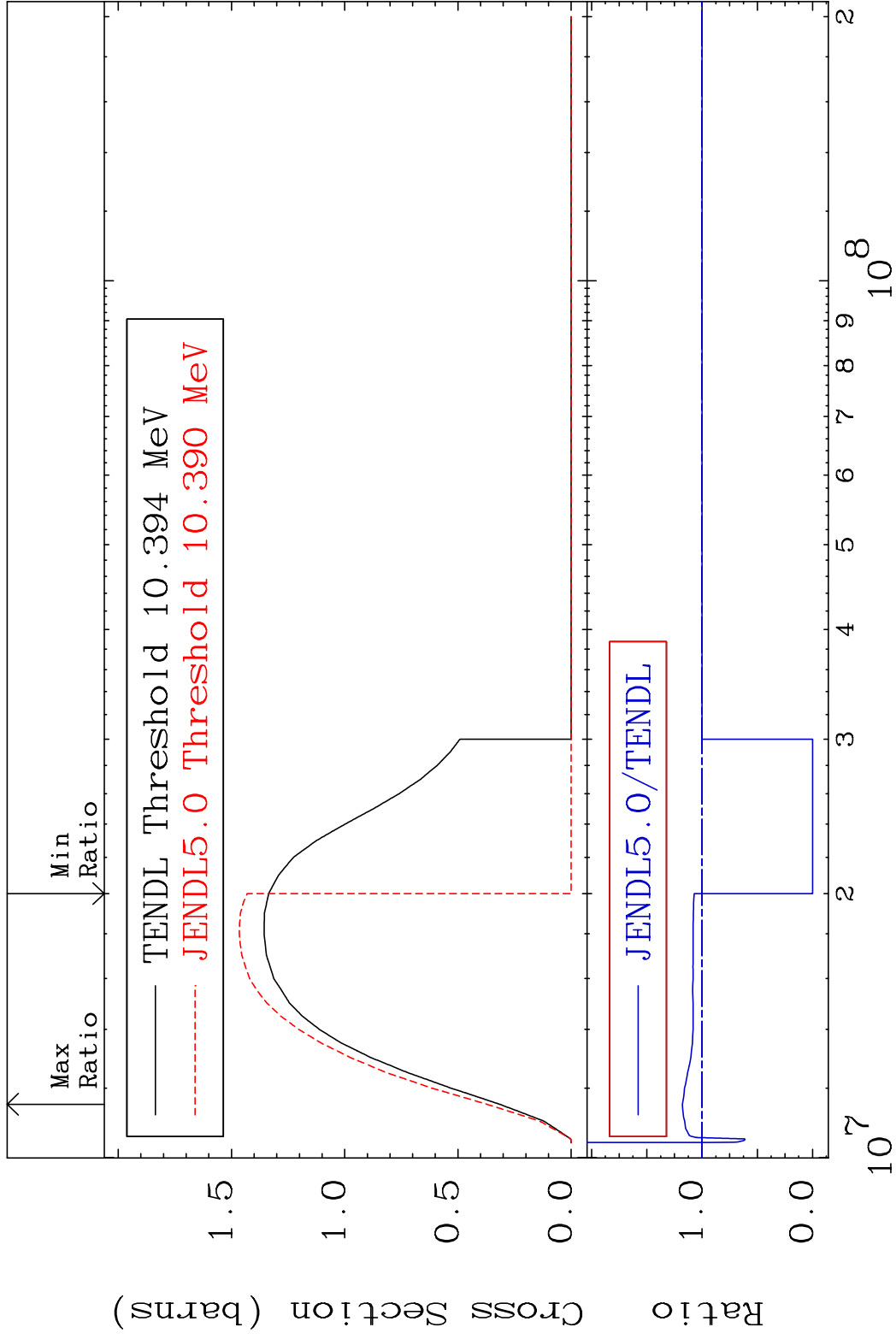
4 Incident Energy (eV) 50-Sn-114

MAT 5031

(n,2n)

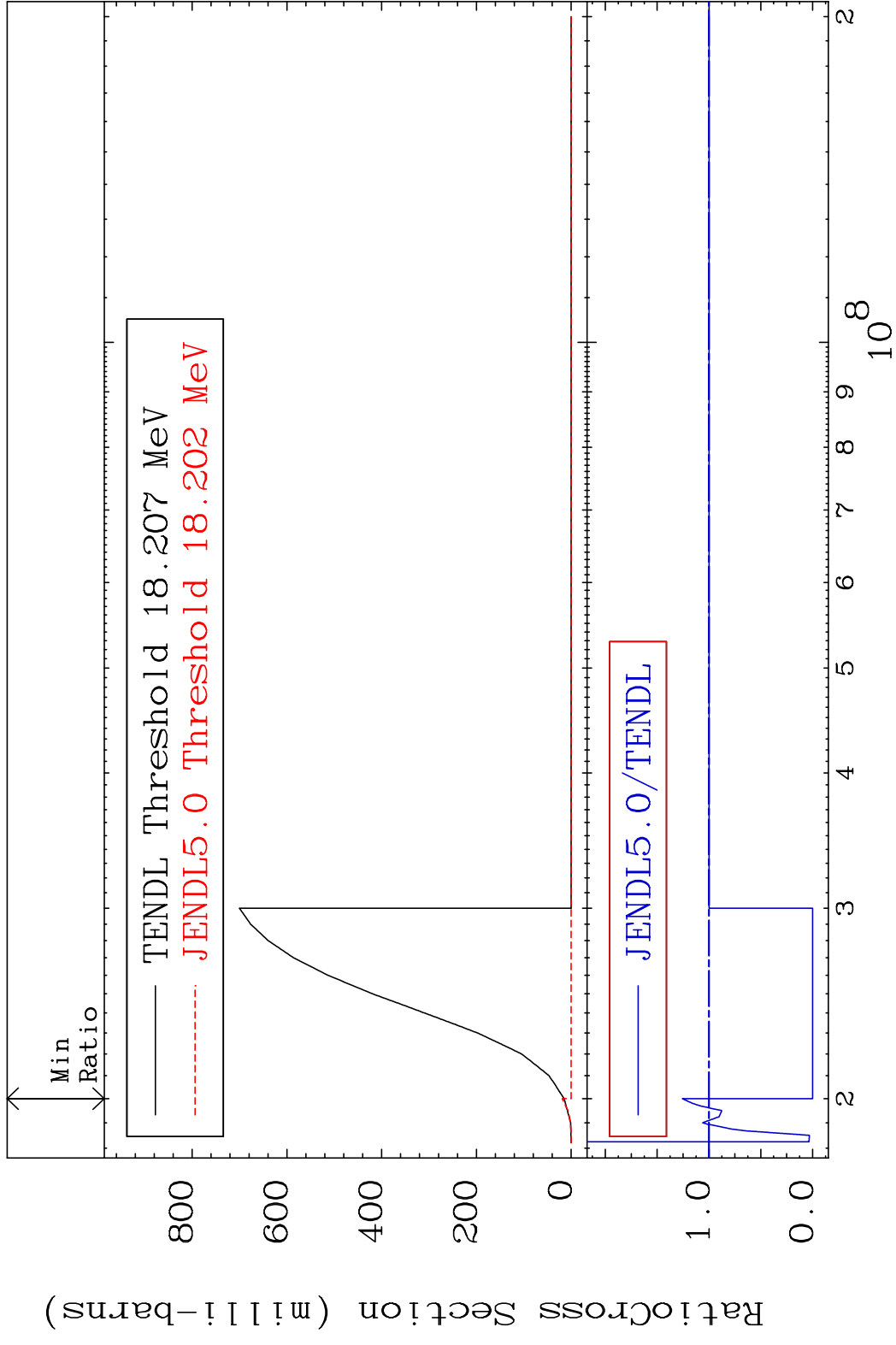
50-Sn-114

Cross Section -100.0 To 17.83 %

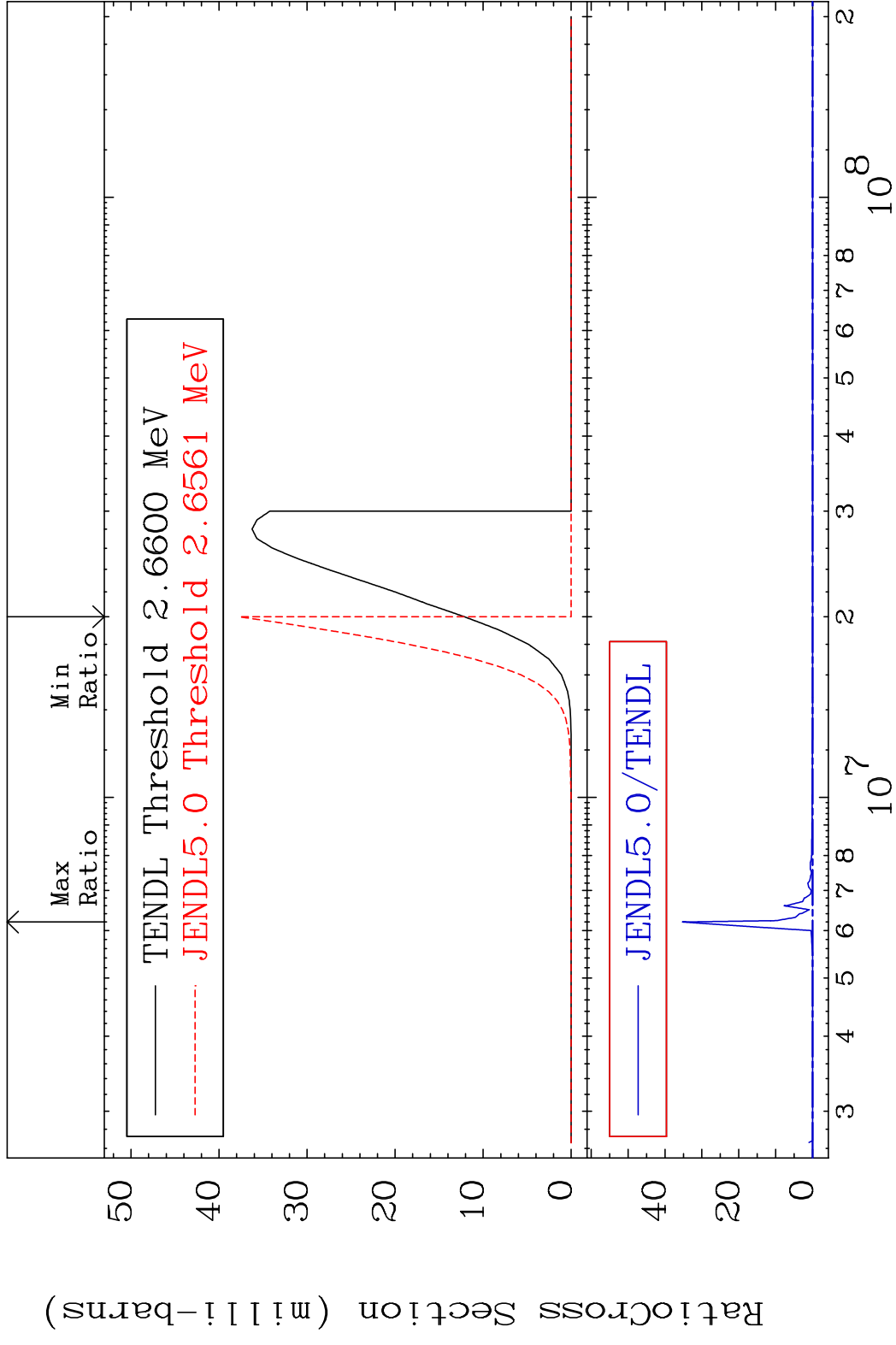


50-Sn-114 Incident Energy (eV)

MAT 5031 (n,3n) 50-Sn-114
 Cross Section -100.0 To 25.69 %



MAT 5031 (n, n') α 50-Sn-114
 Cross Section -100.0 To 9999. %



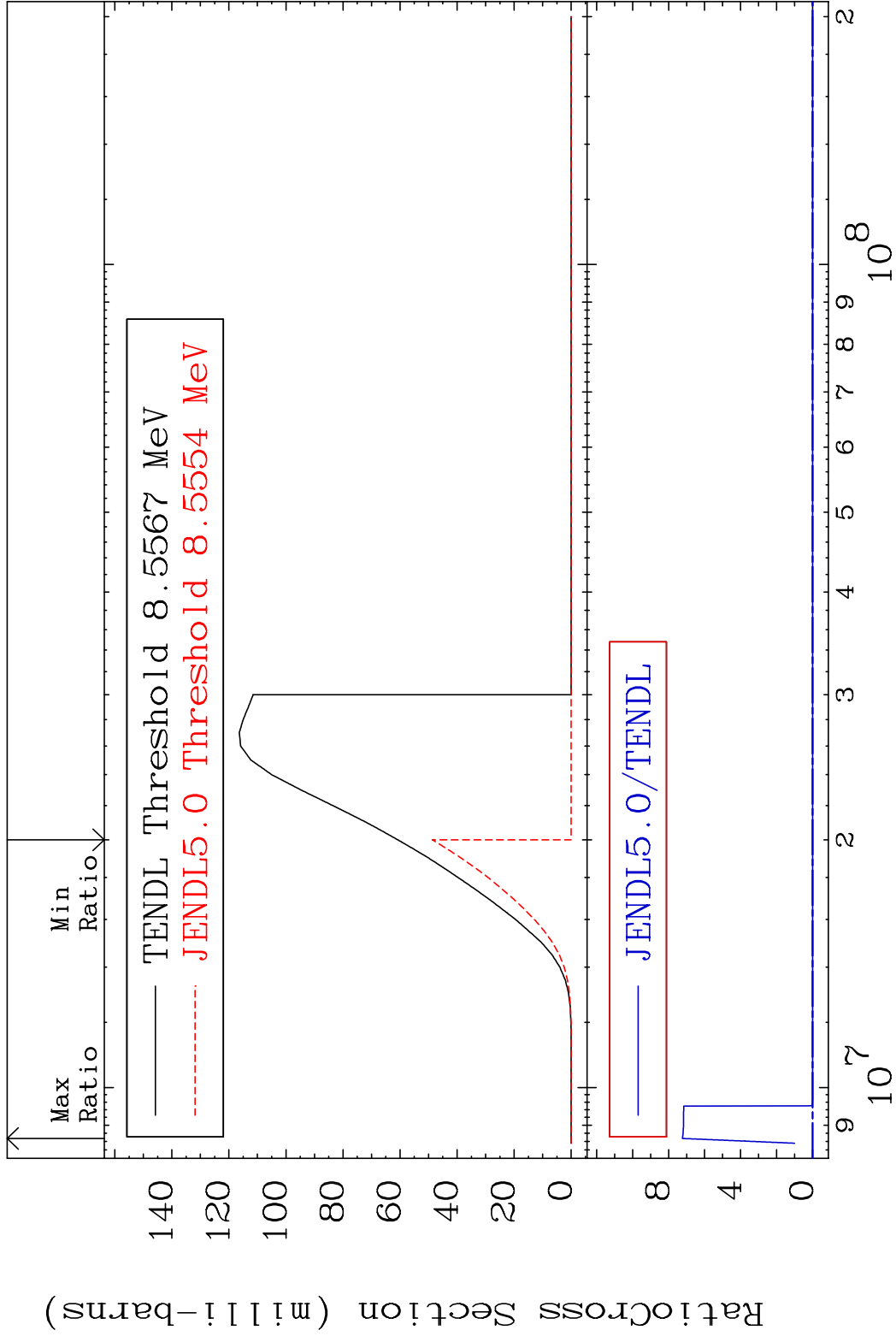
7 Incident Energy (eV) 50-Sn-114

MAT 5031

(n, n') p

50-Sn-114

Cross Section -100.0 To 9999. %

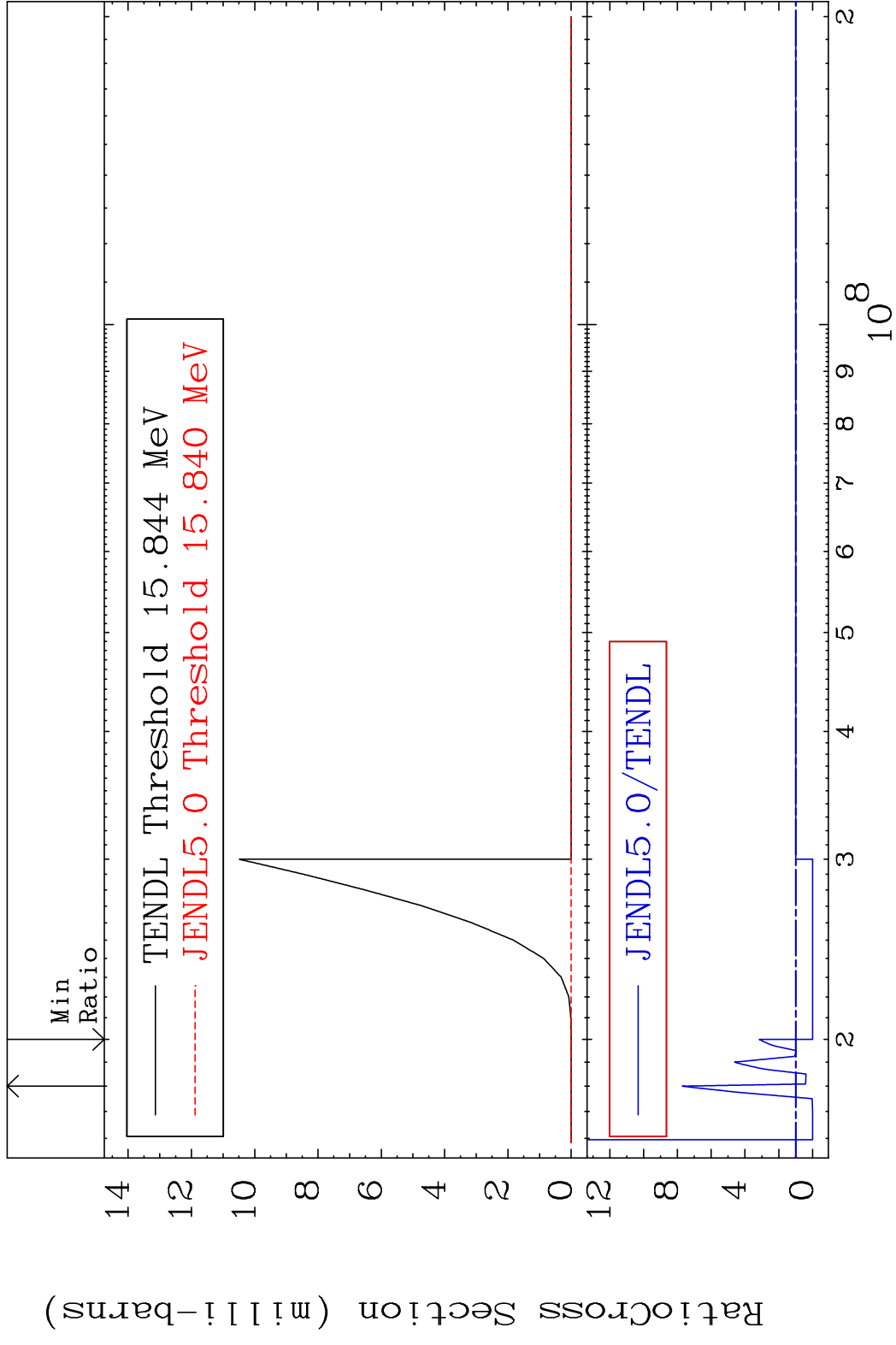


8

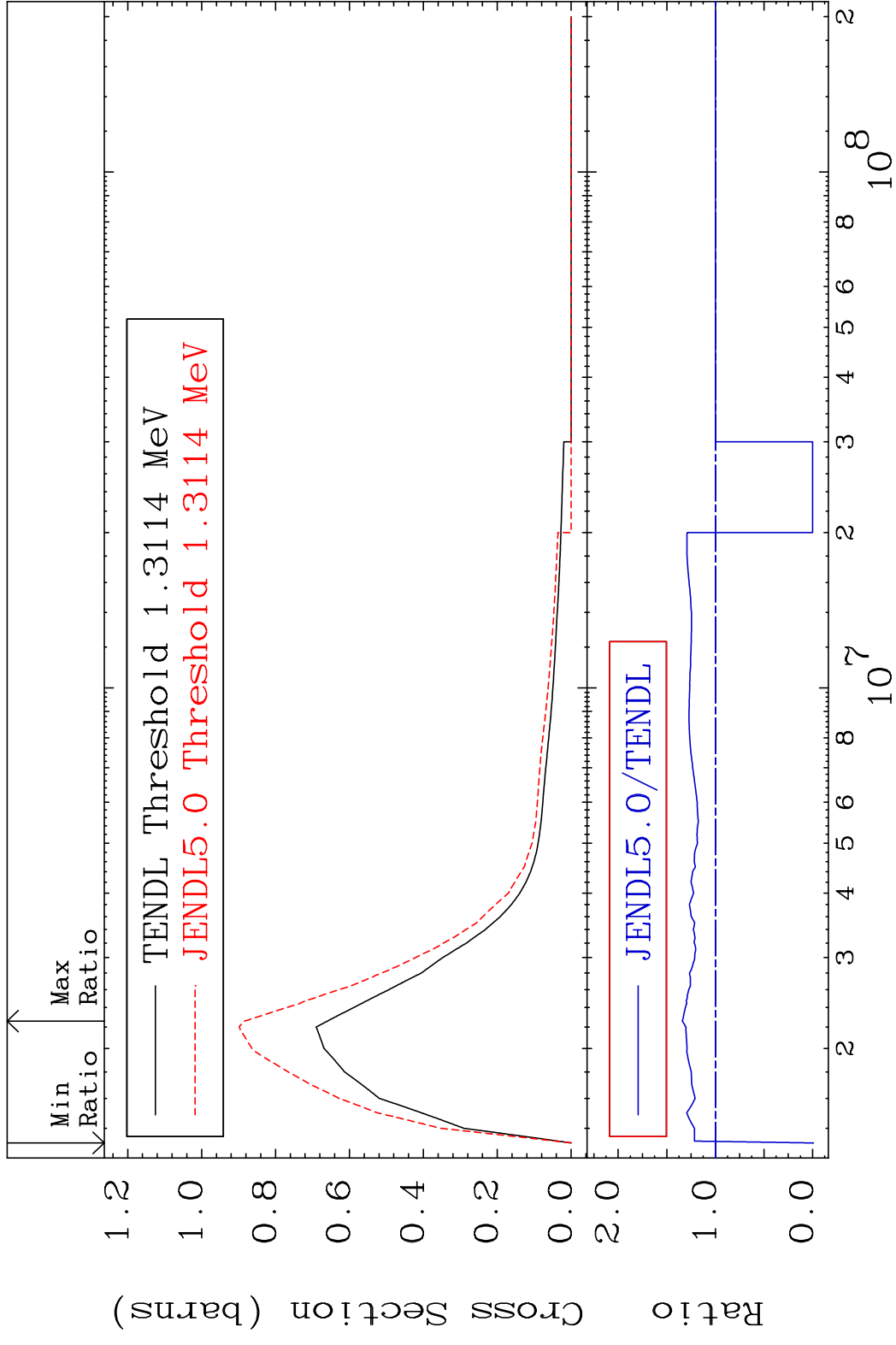
Incident Energy (eV)

50-Sn-114

MAT 5031 (n, n') d 50-Sn-114
 Cross Section -100.0 To 670.6 %

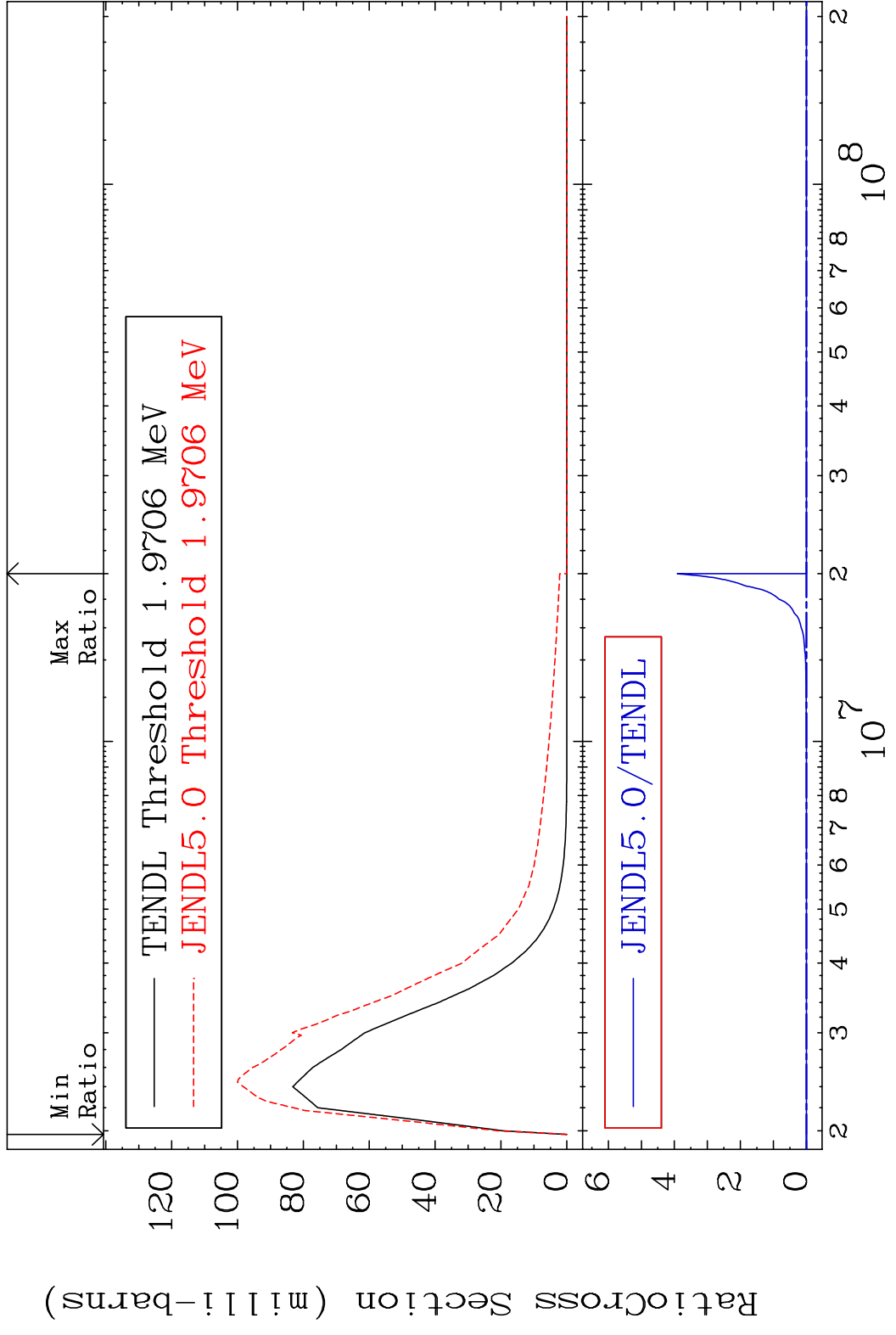


MAT 5031 MT= 51 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 33.97 %

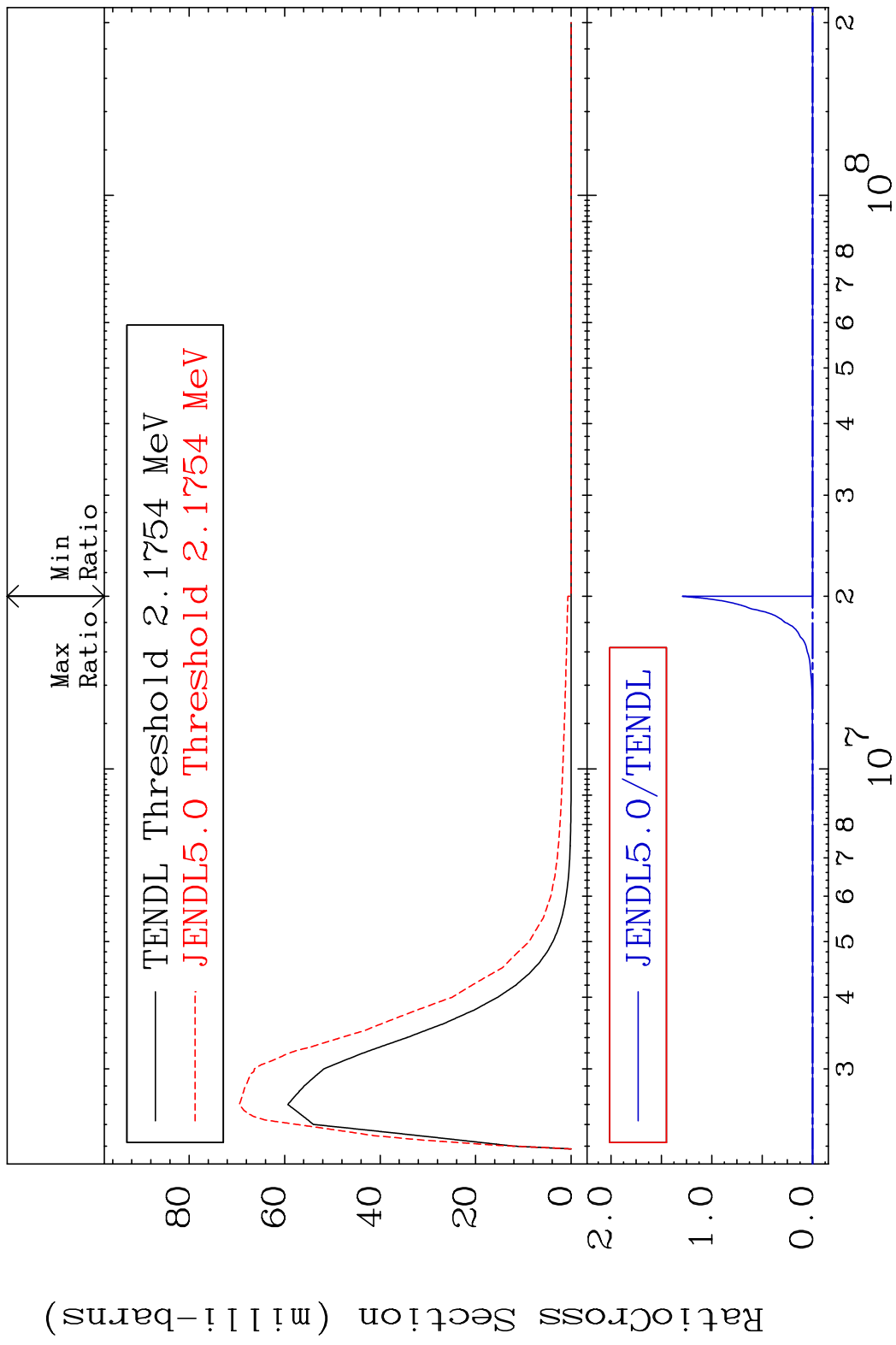


10 Incident Energy (eV) 50-Sn-114

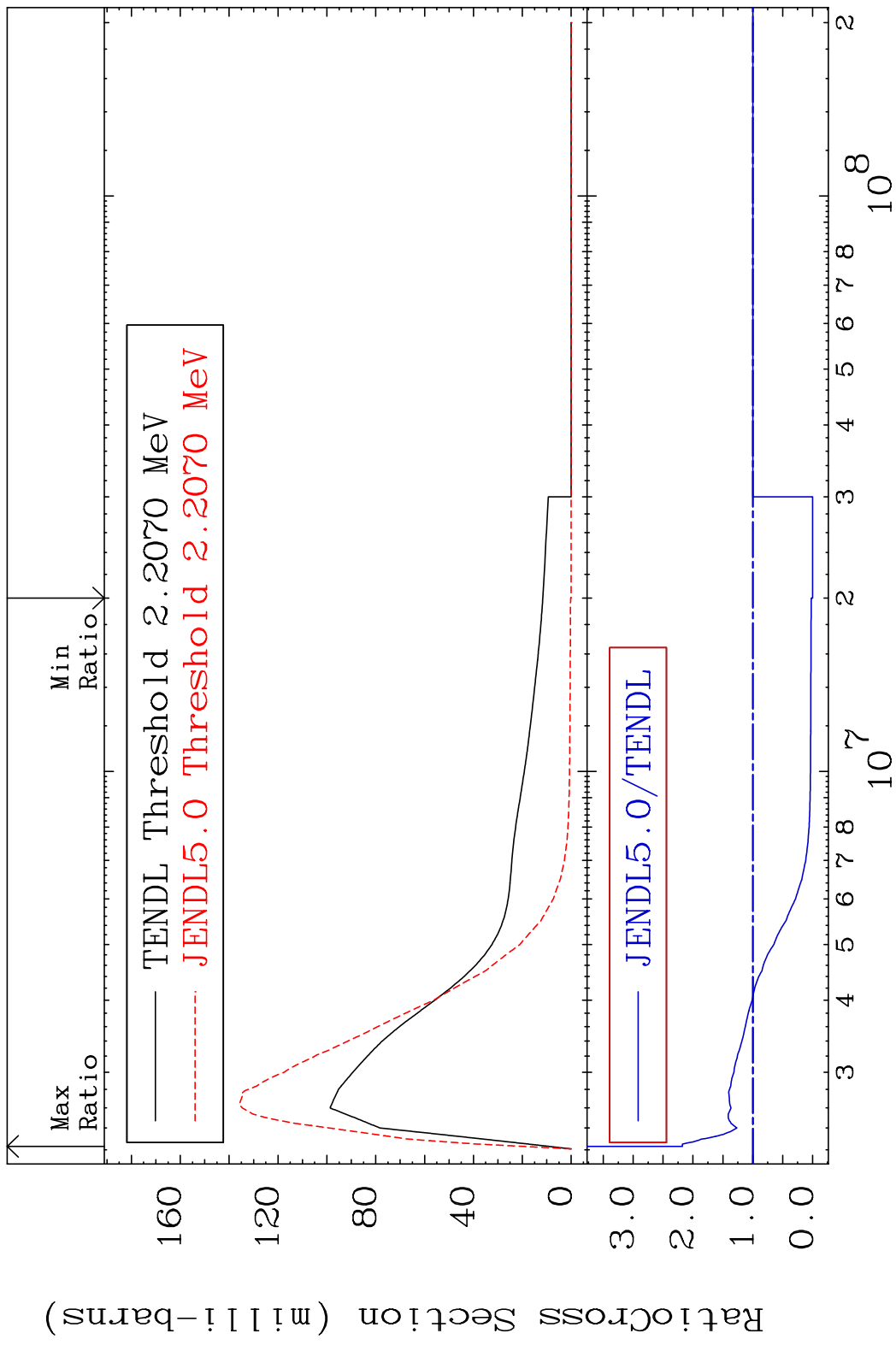
MAT 5031 MT= 52 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



MAT 5031 MT= 53 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %

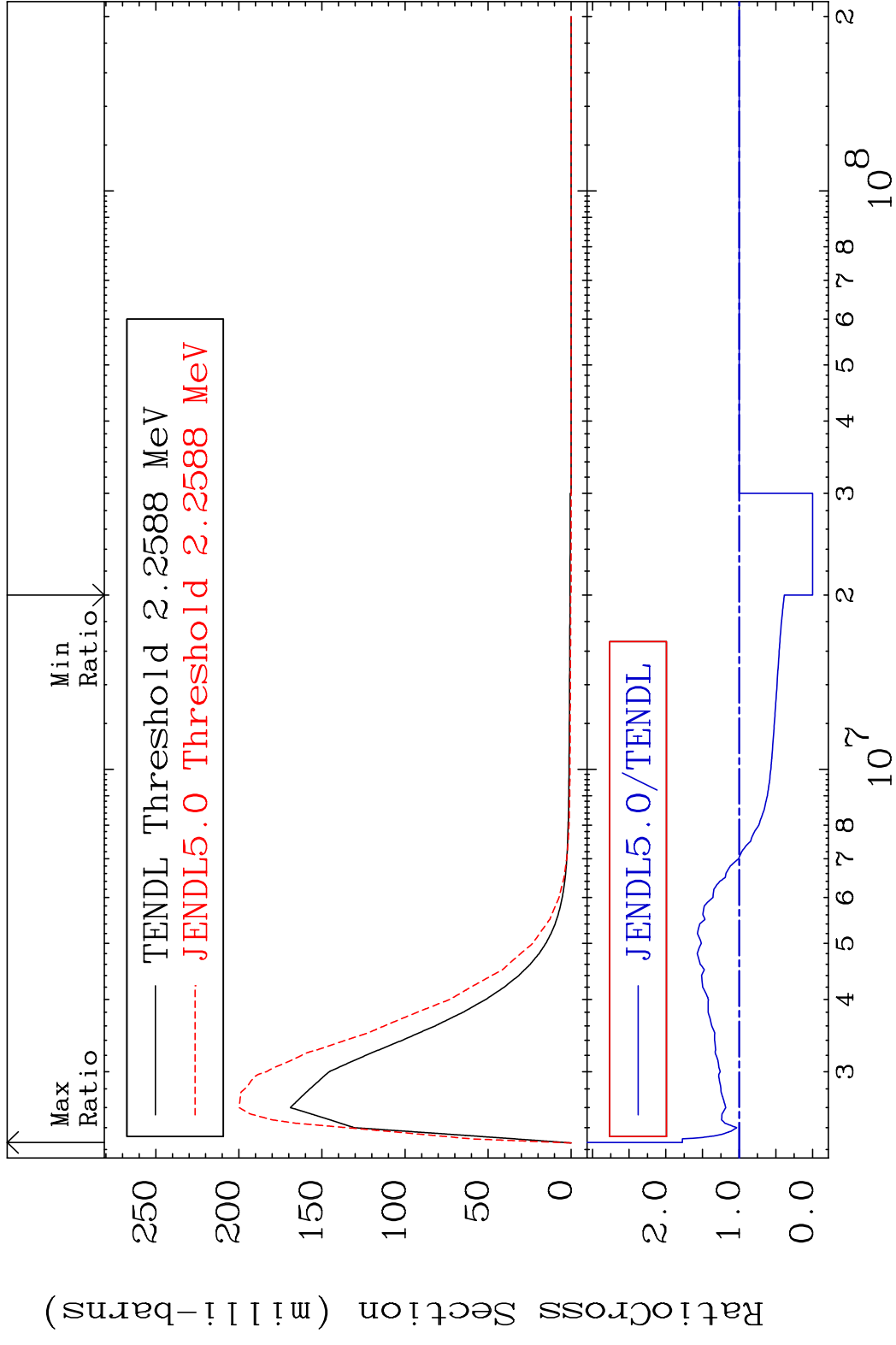


MAT 5031 MT= 54 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 117.8 %

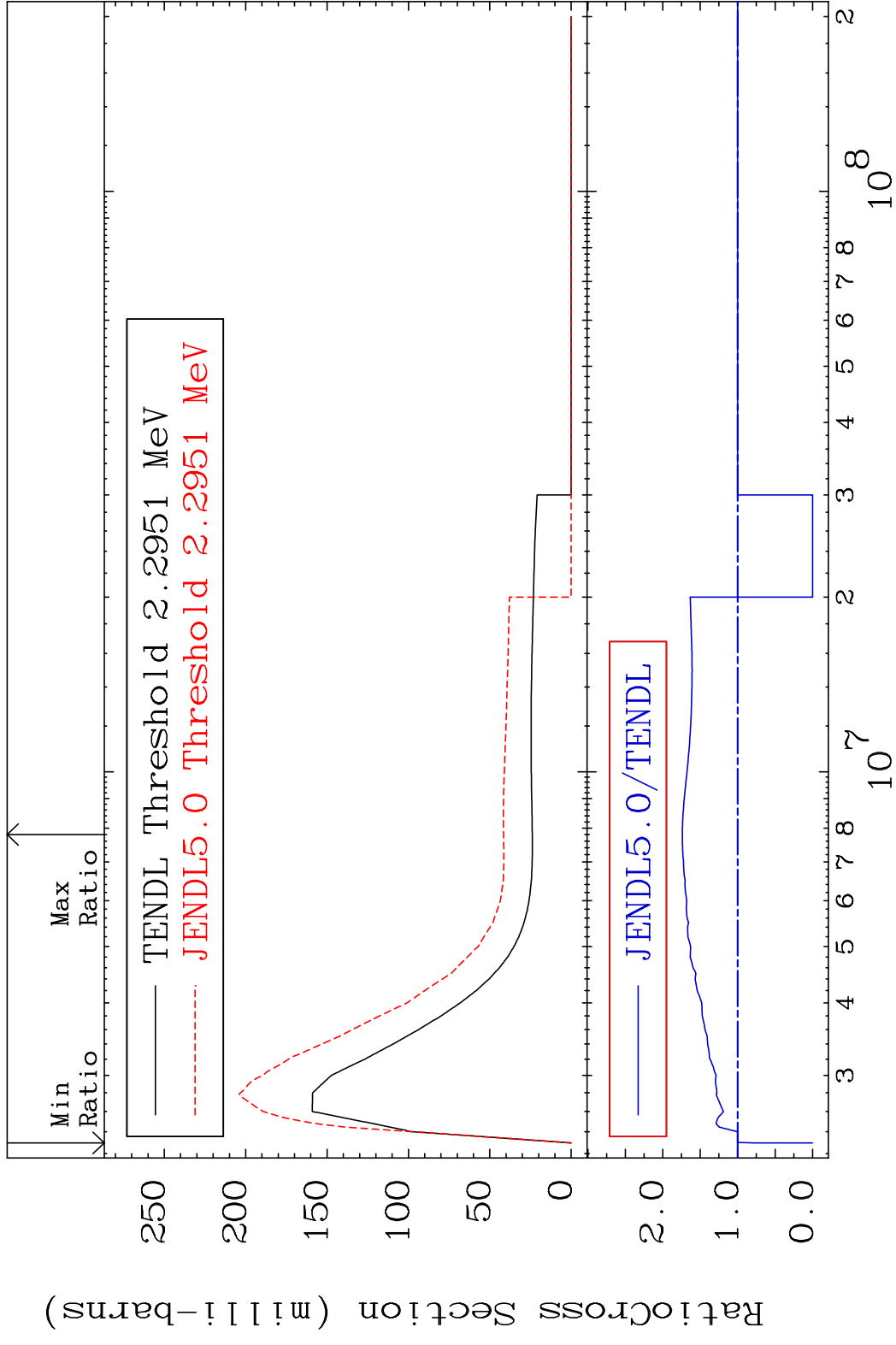


13 Incident Energy (eV) 50-Sn-114

MAT 5031 MT= 55 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 77.46 %

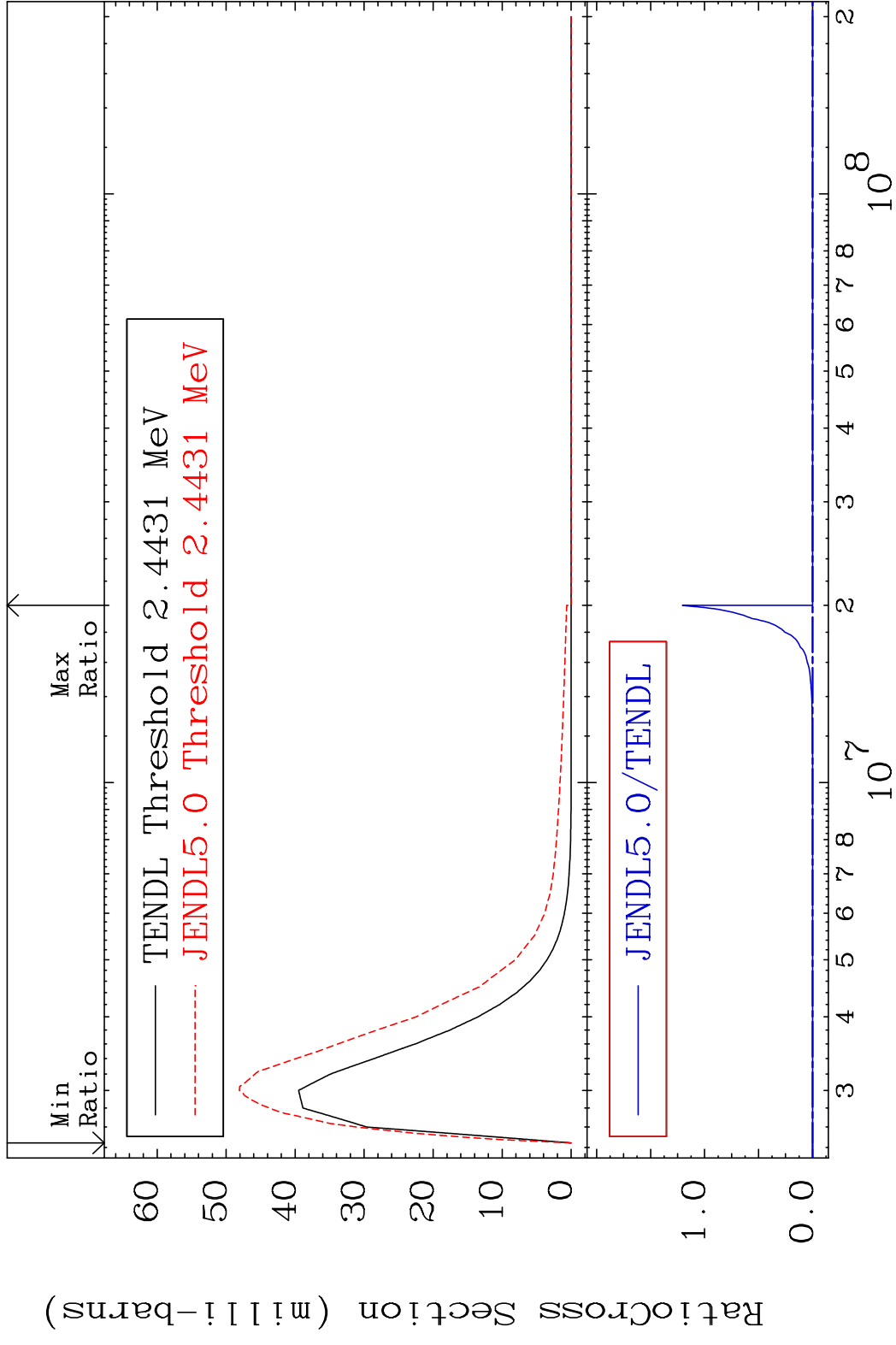


MAT 5031 MT= 56 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 73.87 %

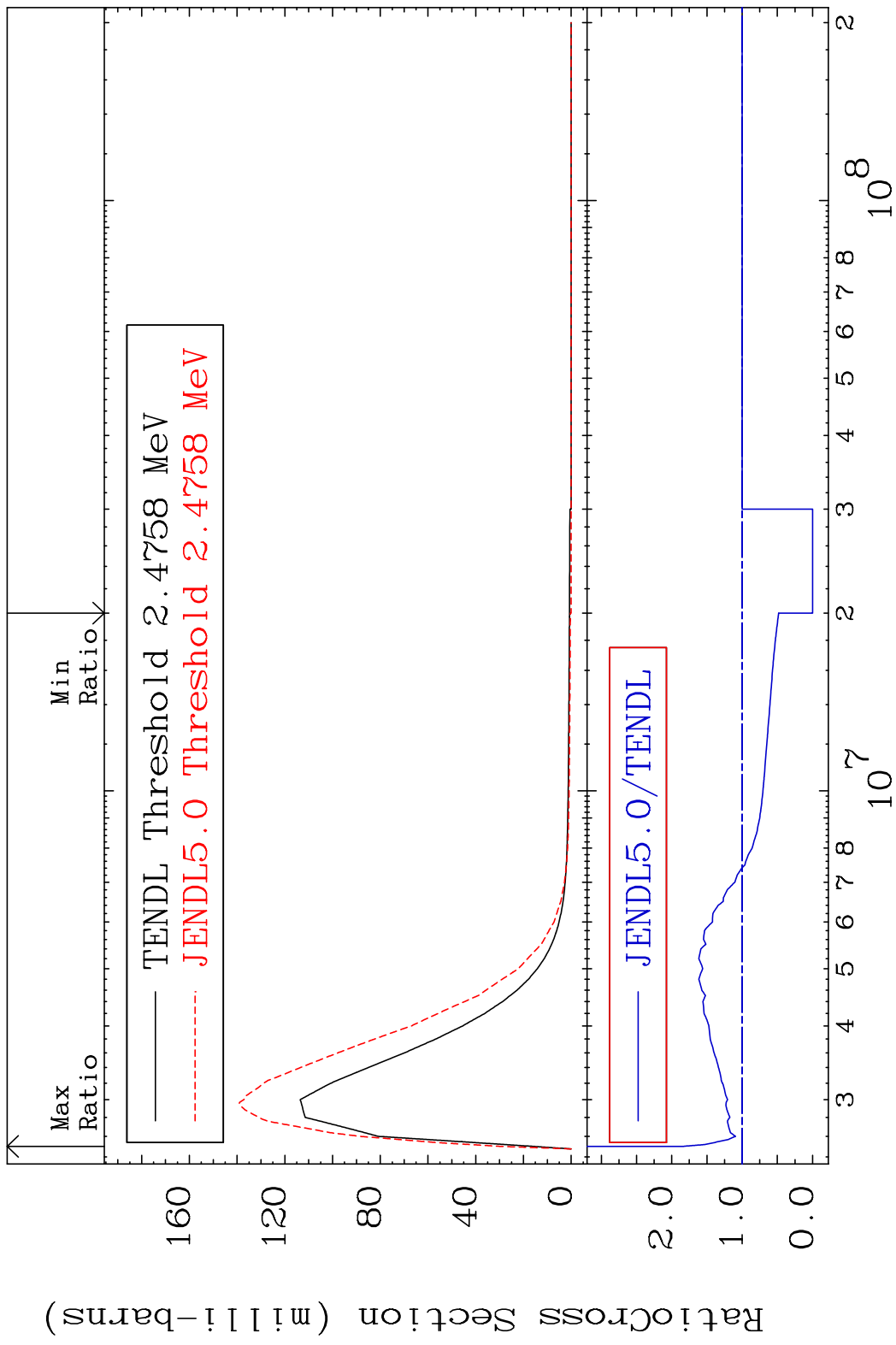


15 Incident Energy (eV) 50-Sn-114

MAT 5031 MT= 57 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %

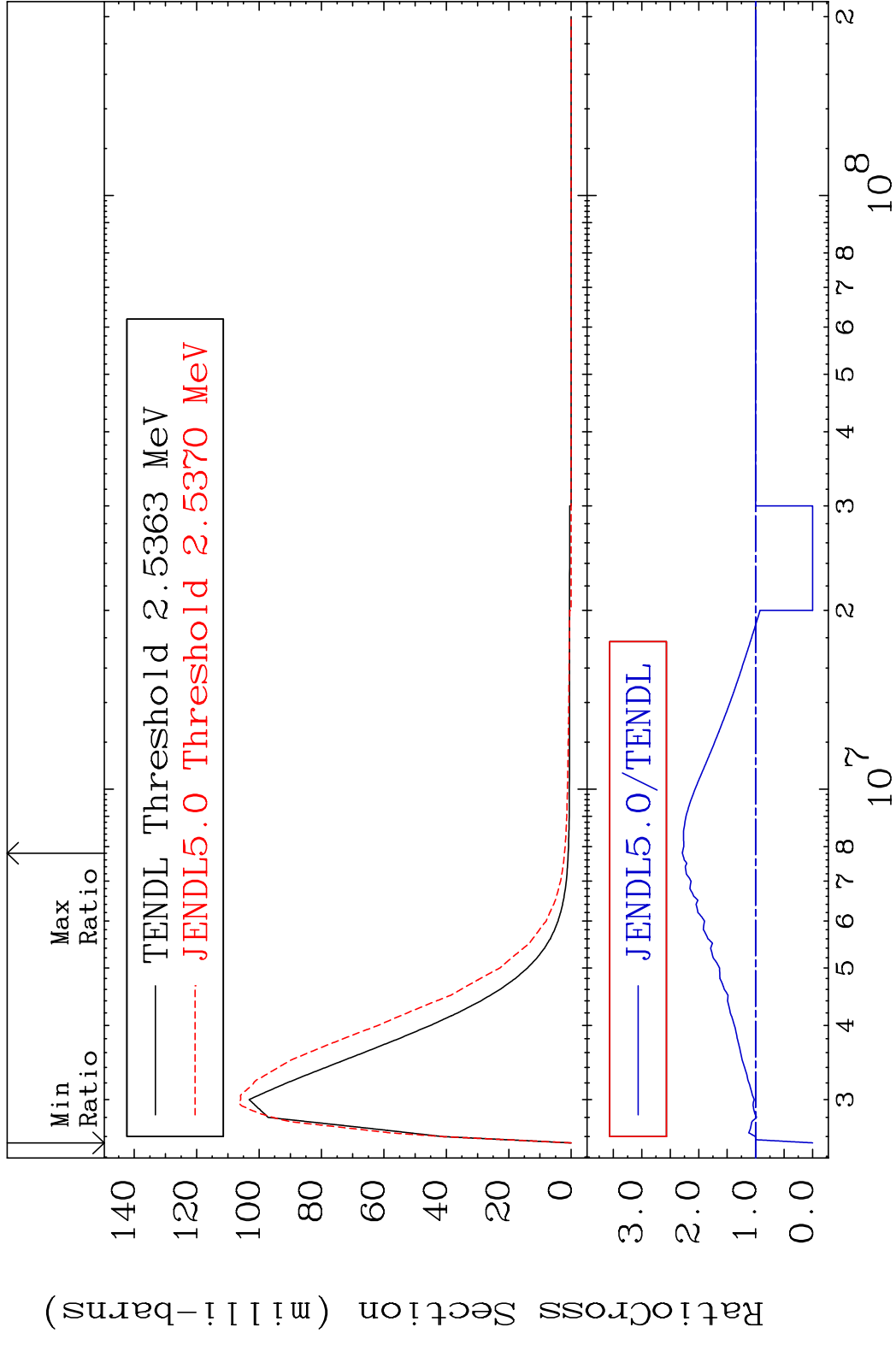


MAT 5031 MT= 58 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 84.91 %

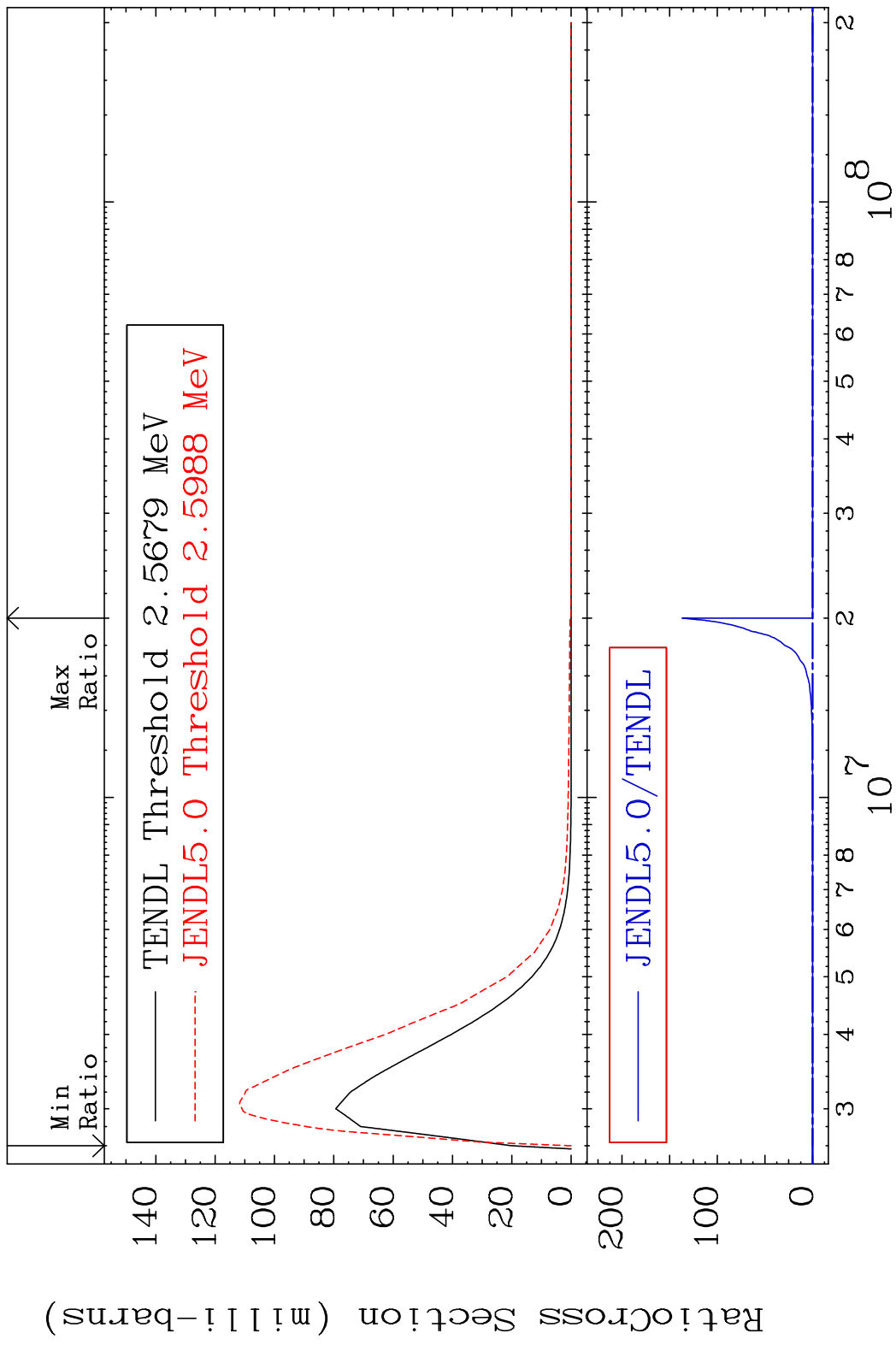


17 50-Sn-114

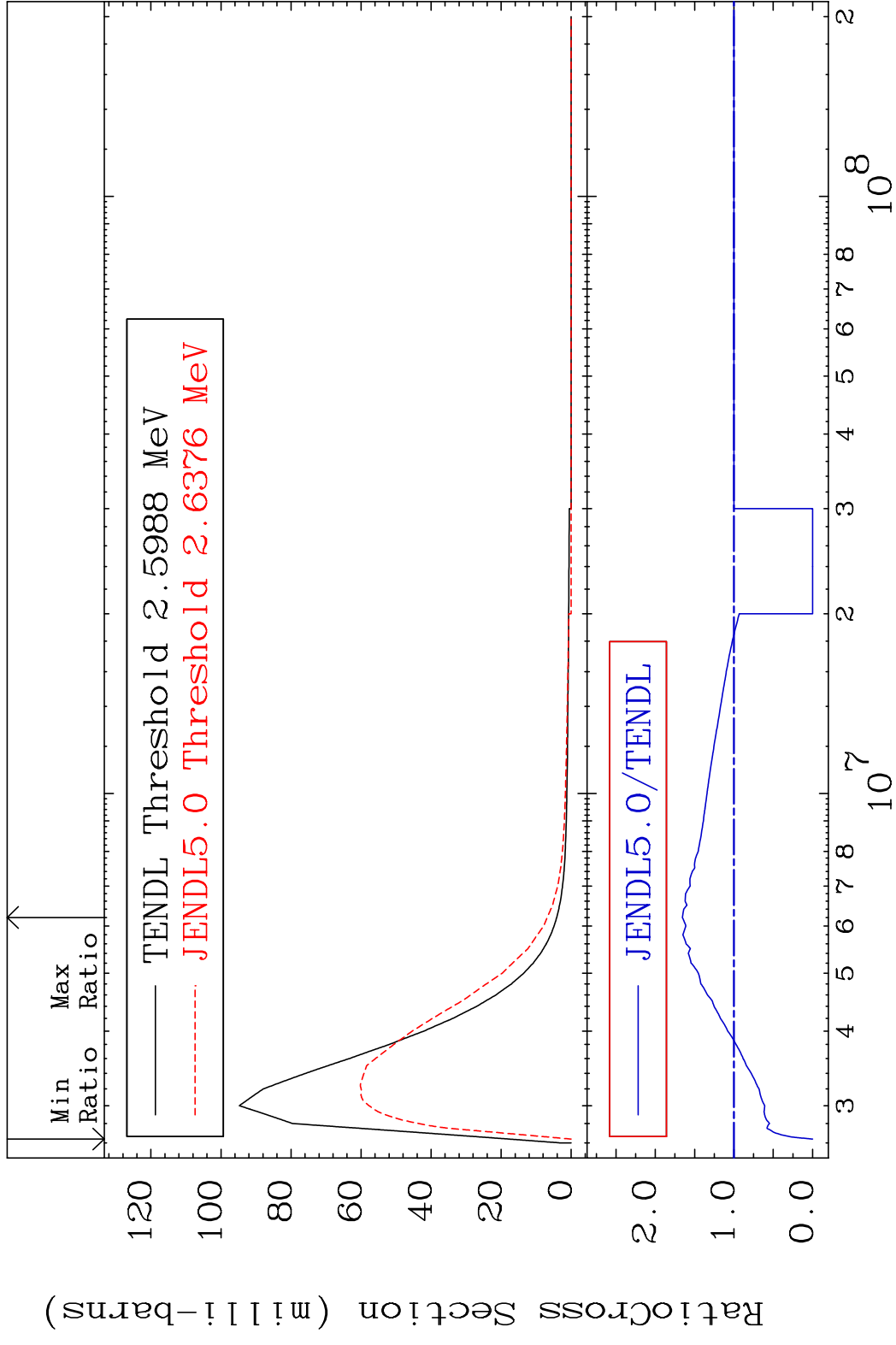
MAT 5031 MT= 59 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 128.7 %



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

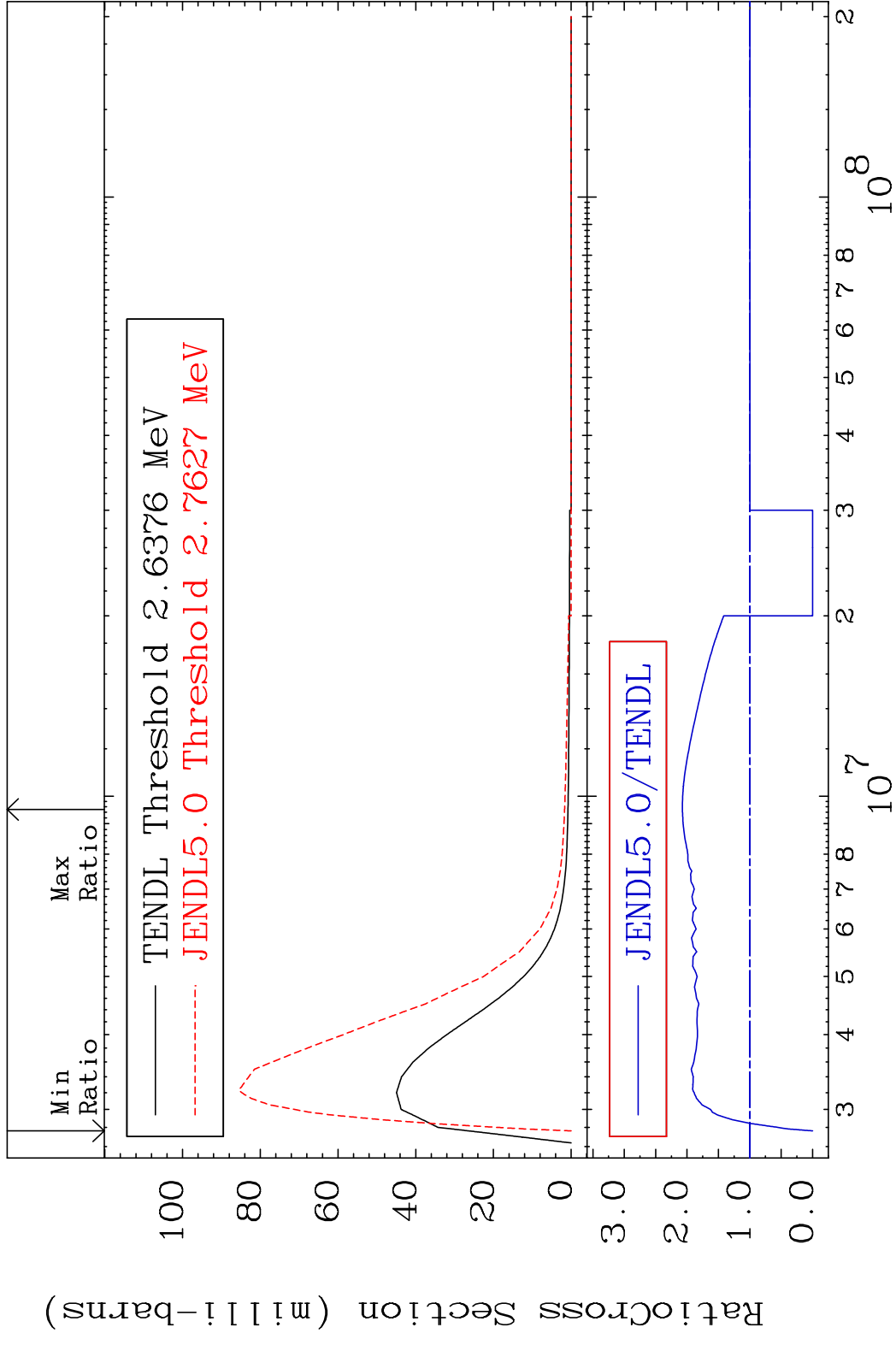


MAT 5031 MT= 61 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 65.59 %

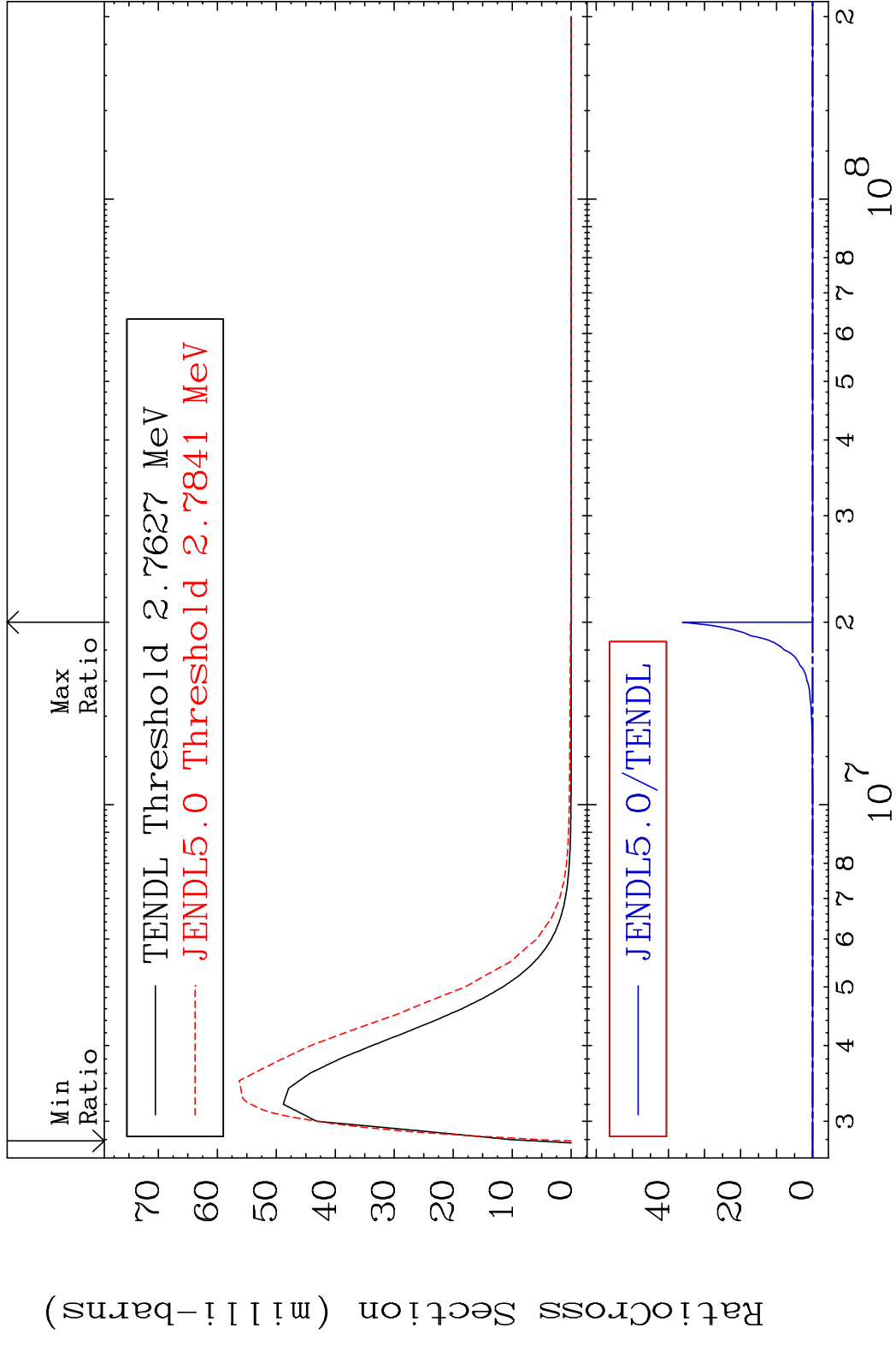


20

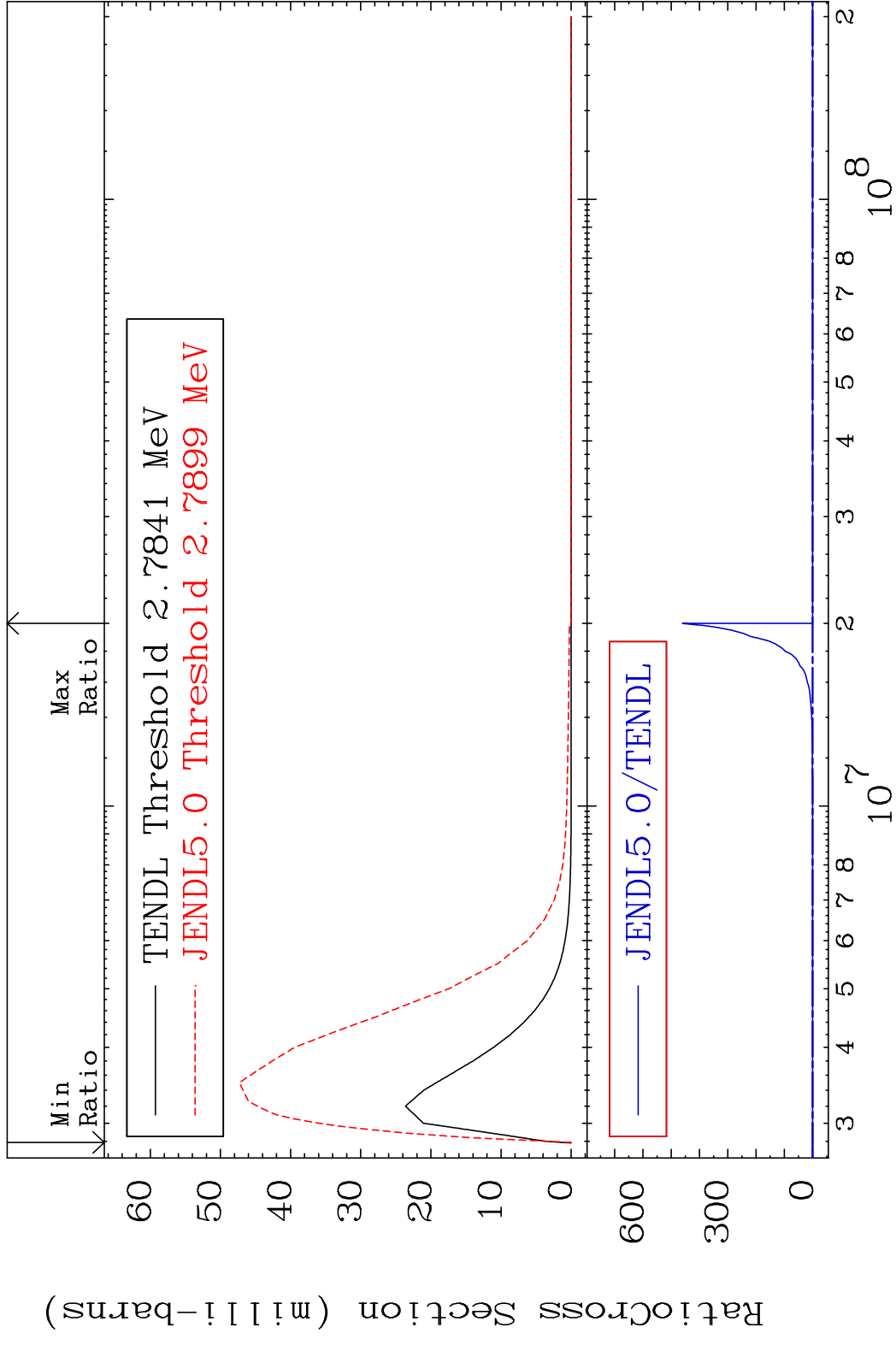
MAT 5031 MT= 62 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 107.5 %



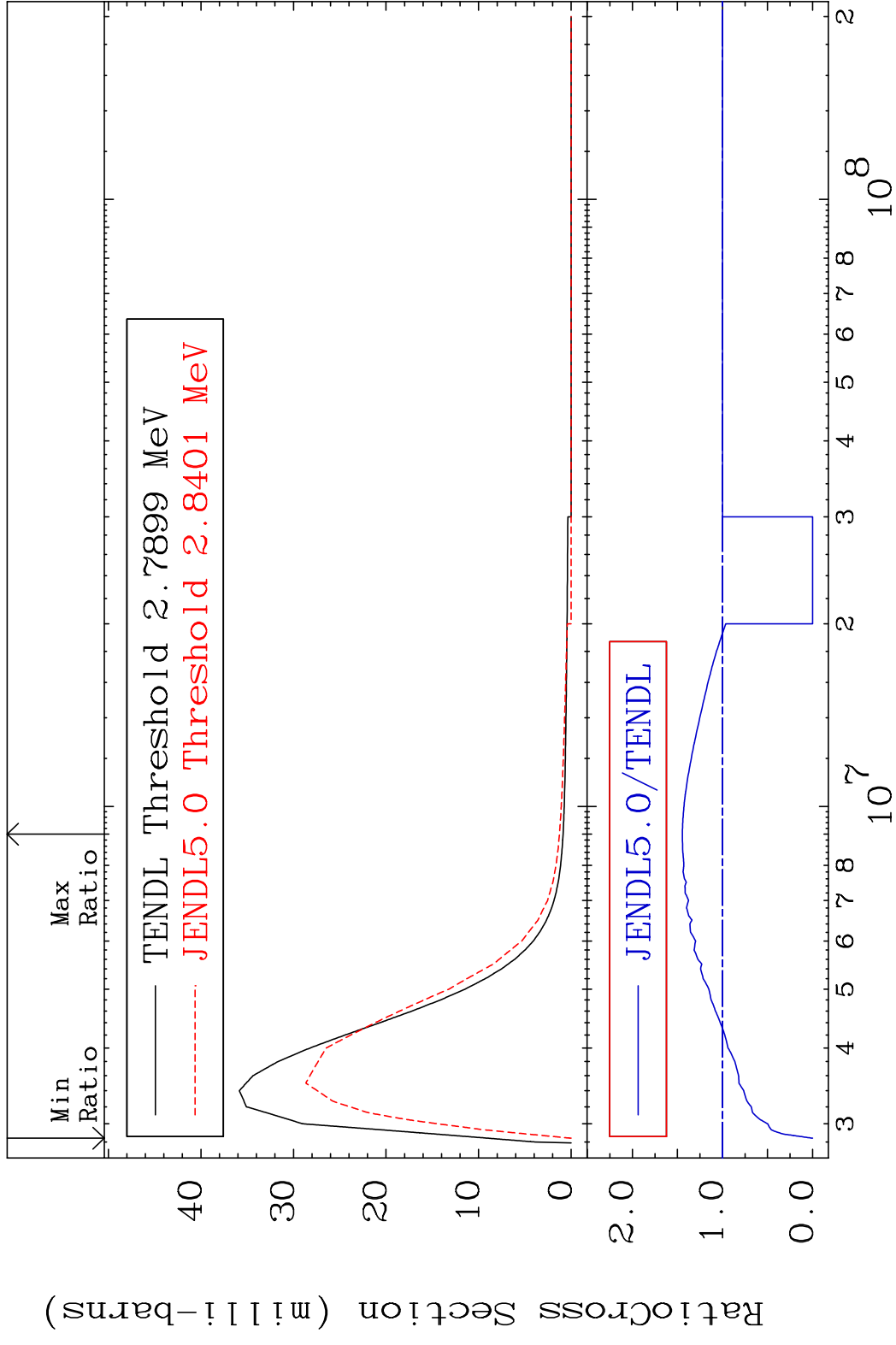
MAT 5031 MT= 63 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



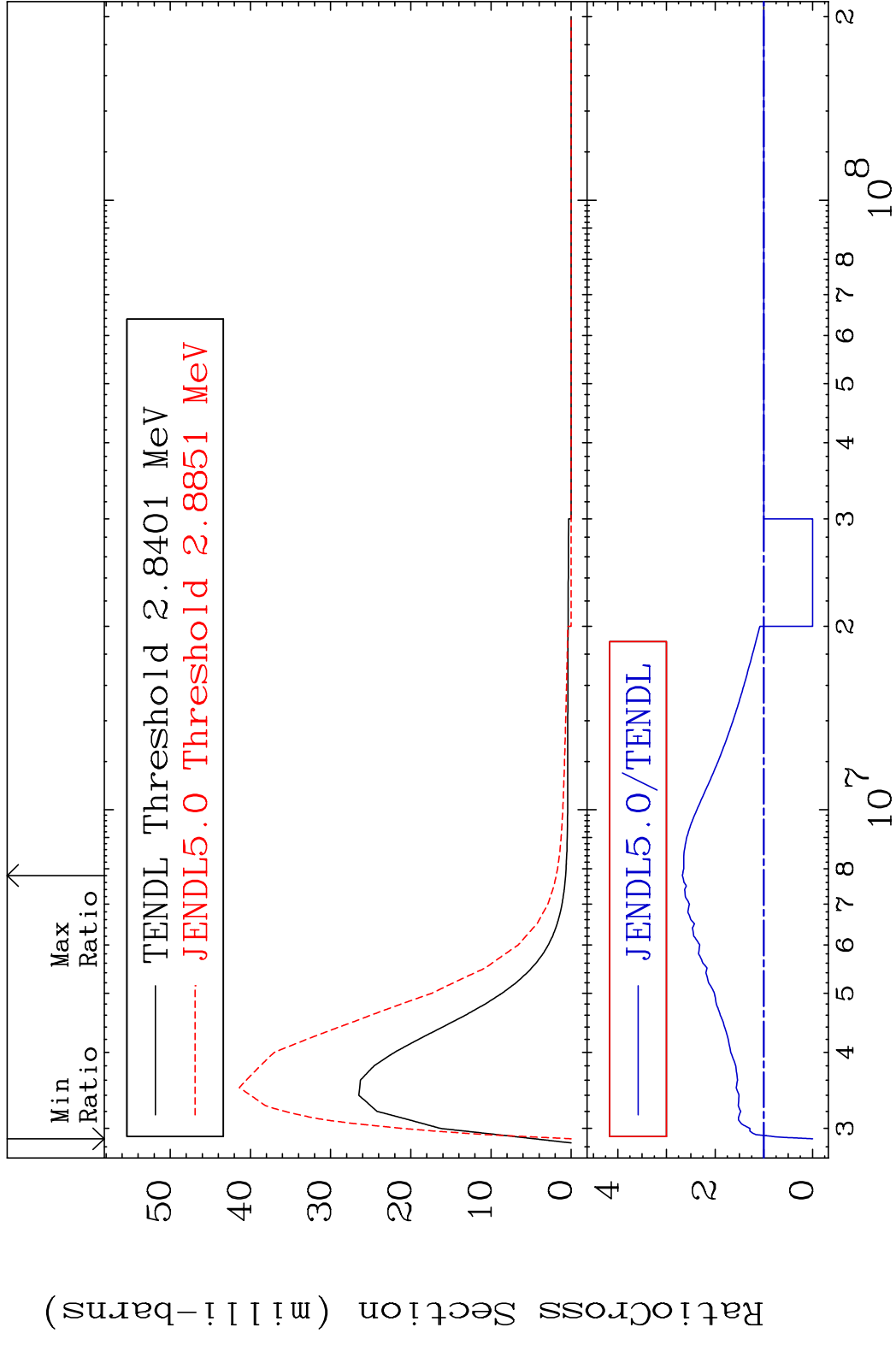
MAT 5031 MT= 64 (n, n') Level 50-Sn-114
 Cross Section -100.0 To 9999. %



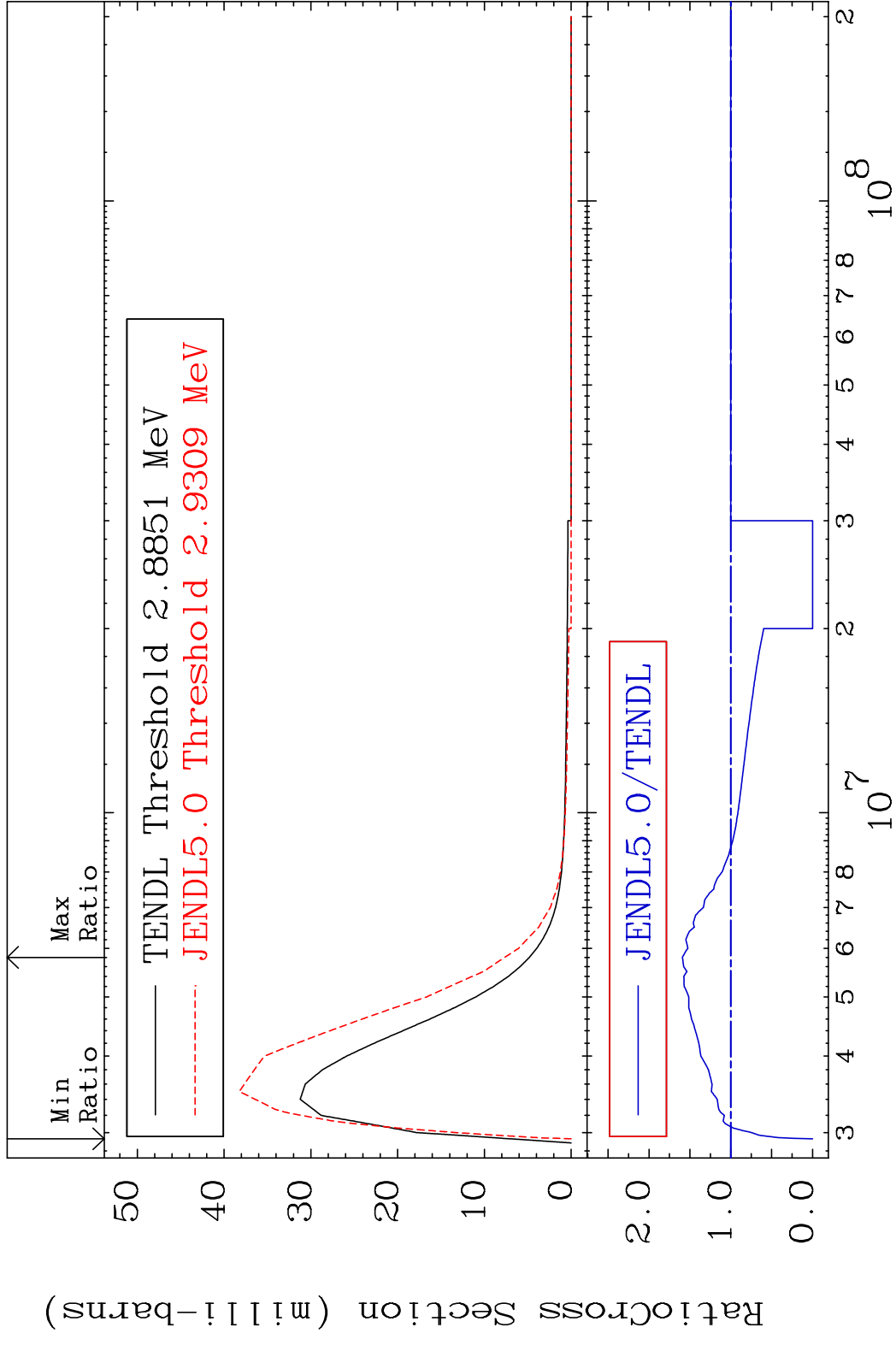
MAT 5031 MT= 65 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 44.56 %



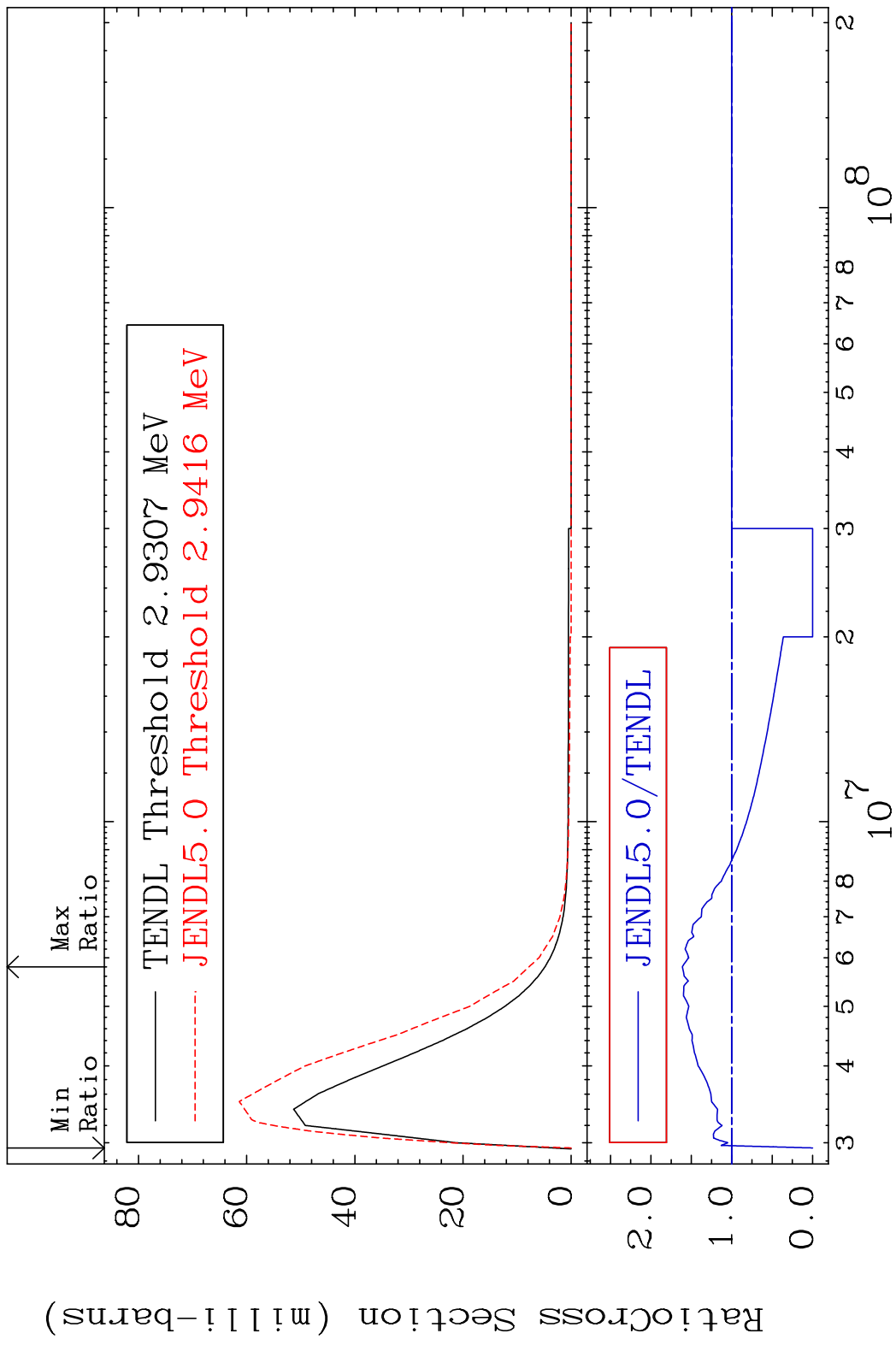
MAT 5031 MT= 66 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 167.3 %



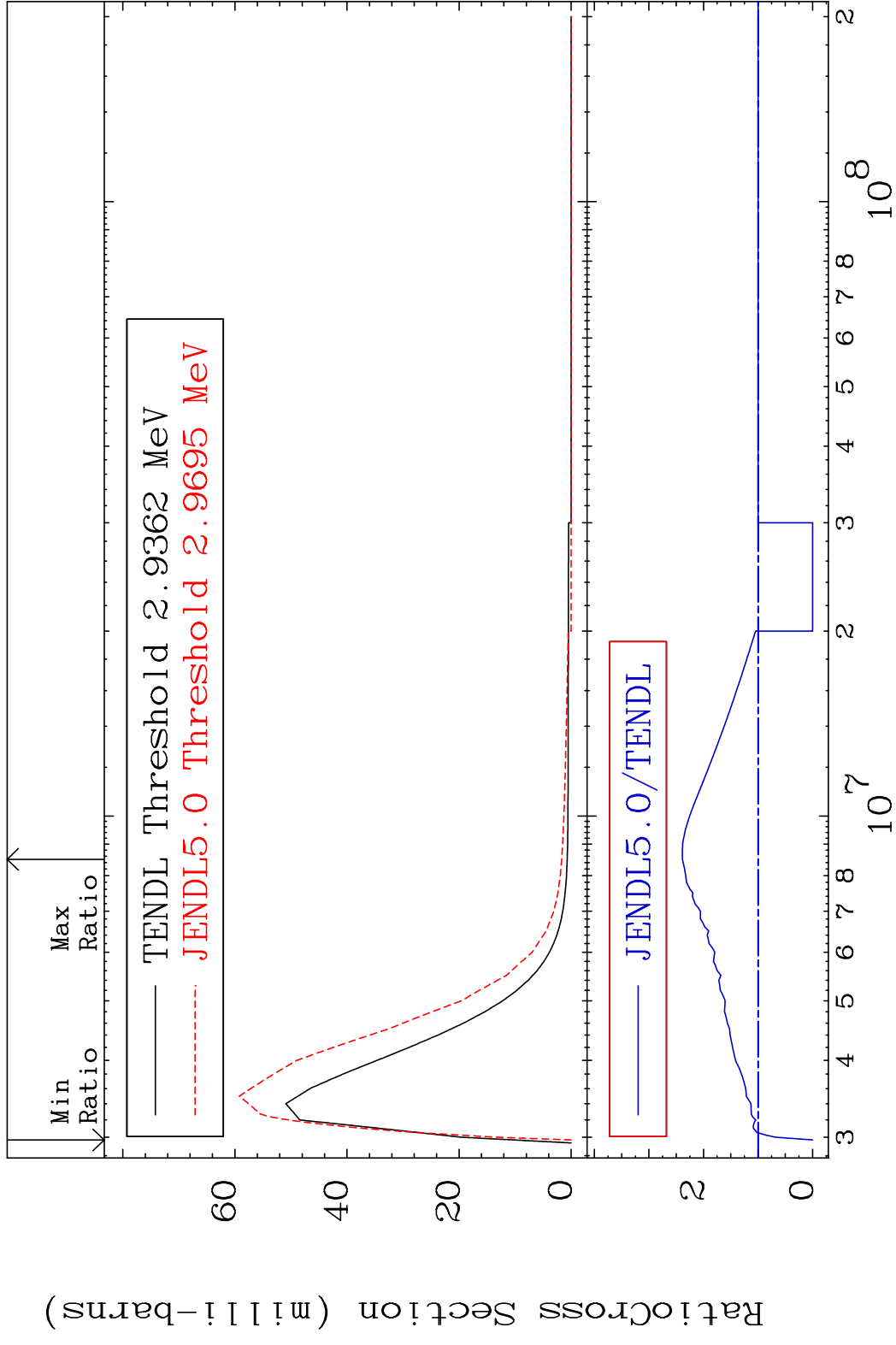
MAT 5031 MT= 67 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 59.21 %



MAT 5031 MT= 68 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 61.08 %



MAT 5031 MT= 69 (n,n') Level 50-Sn-114
 Cross Section -100.0 To 138.8 %

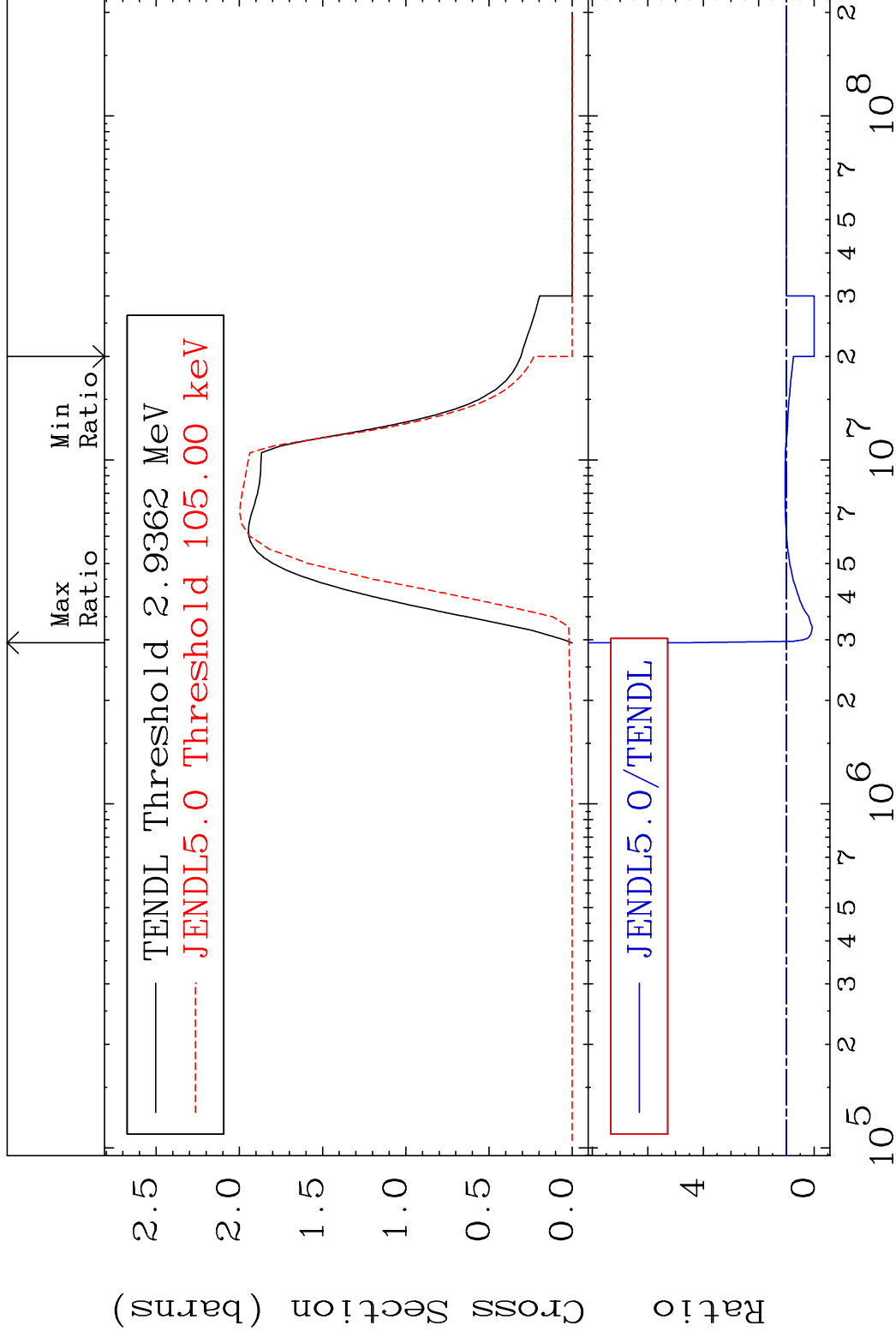


MAT 5031

(n,n') Continuum

50-Sn-114

Cross Section -100.0 To 370.7 %



29

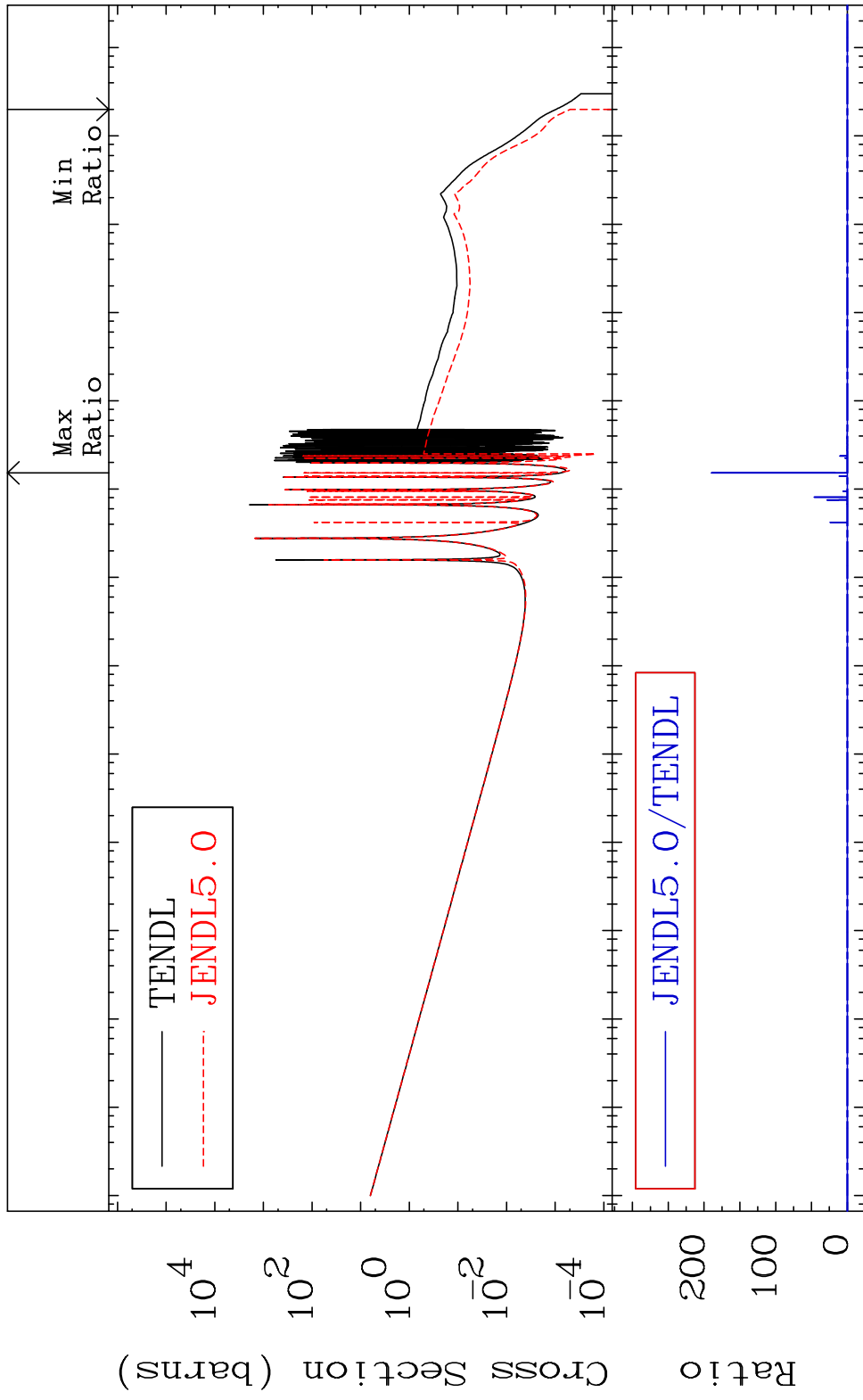
Incident Energy (eV)

50-Sn-114

MAT 5031

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

50-Sn-114

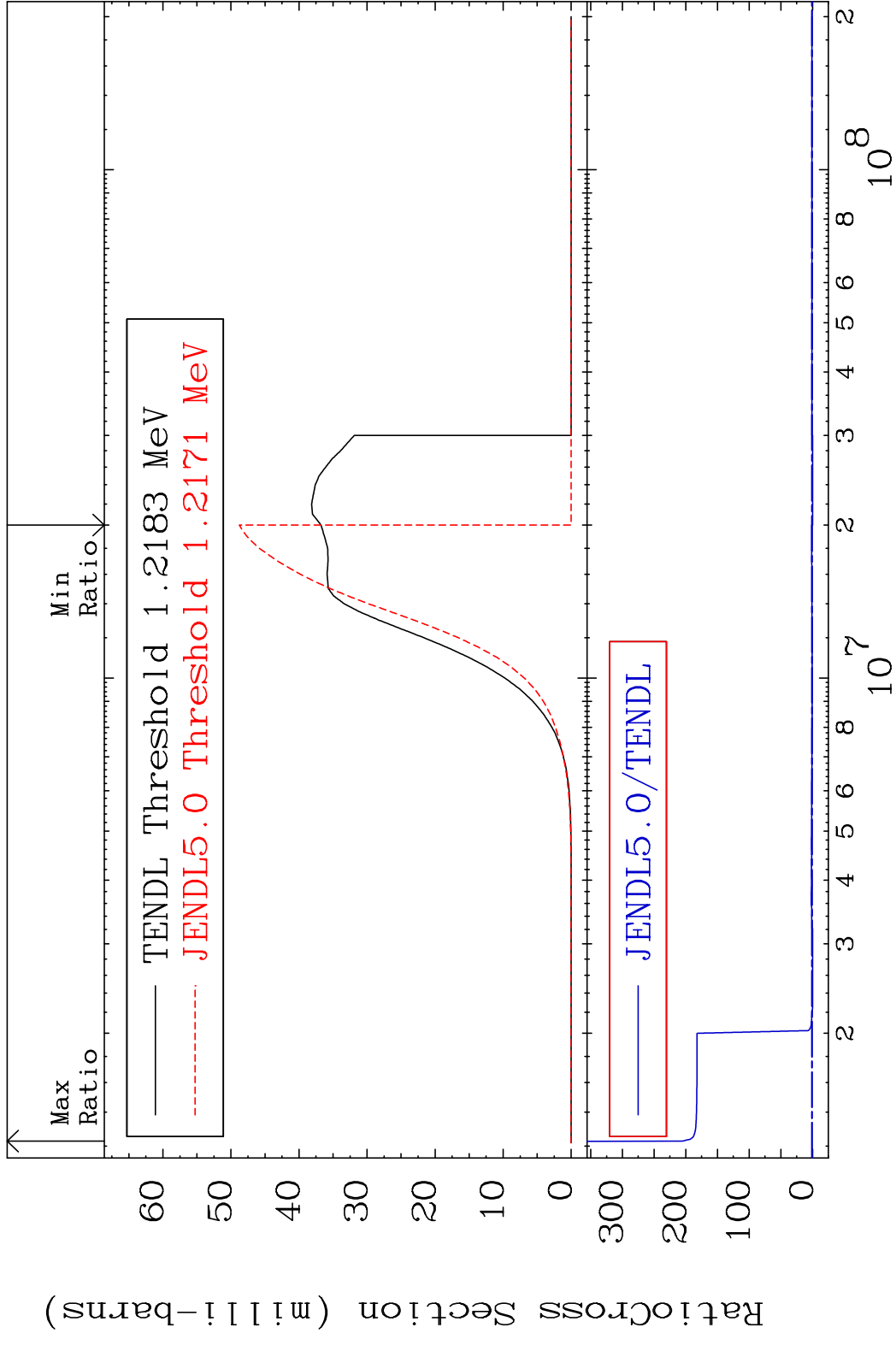


30

Incident Energy (eV)

50-Sn-114

MAT 5031 (n,p) 50-Sn-114
 Cross Section -100.0 To 9999. %

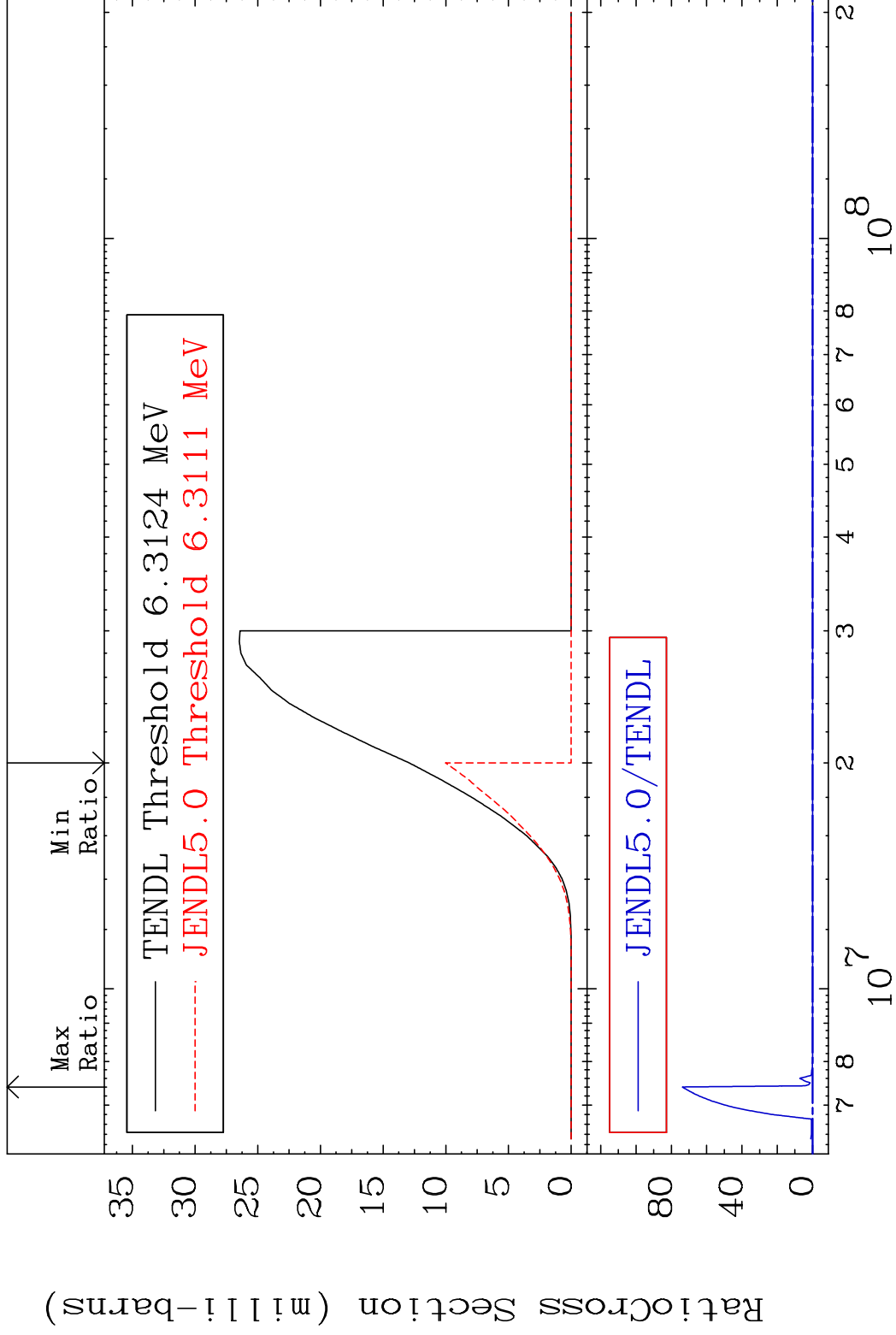


MAT 5031

(n,d)

50-Sn-114

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

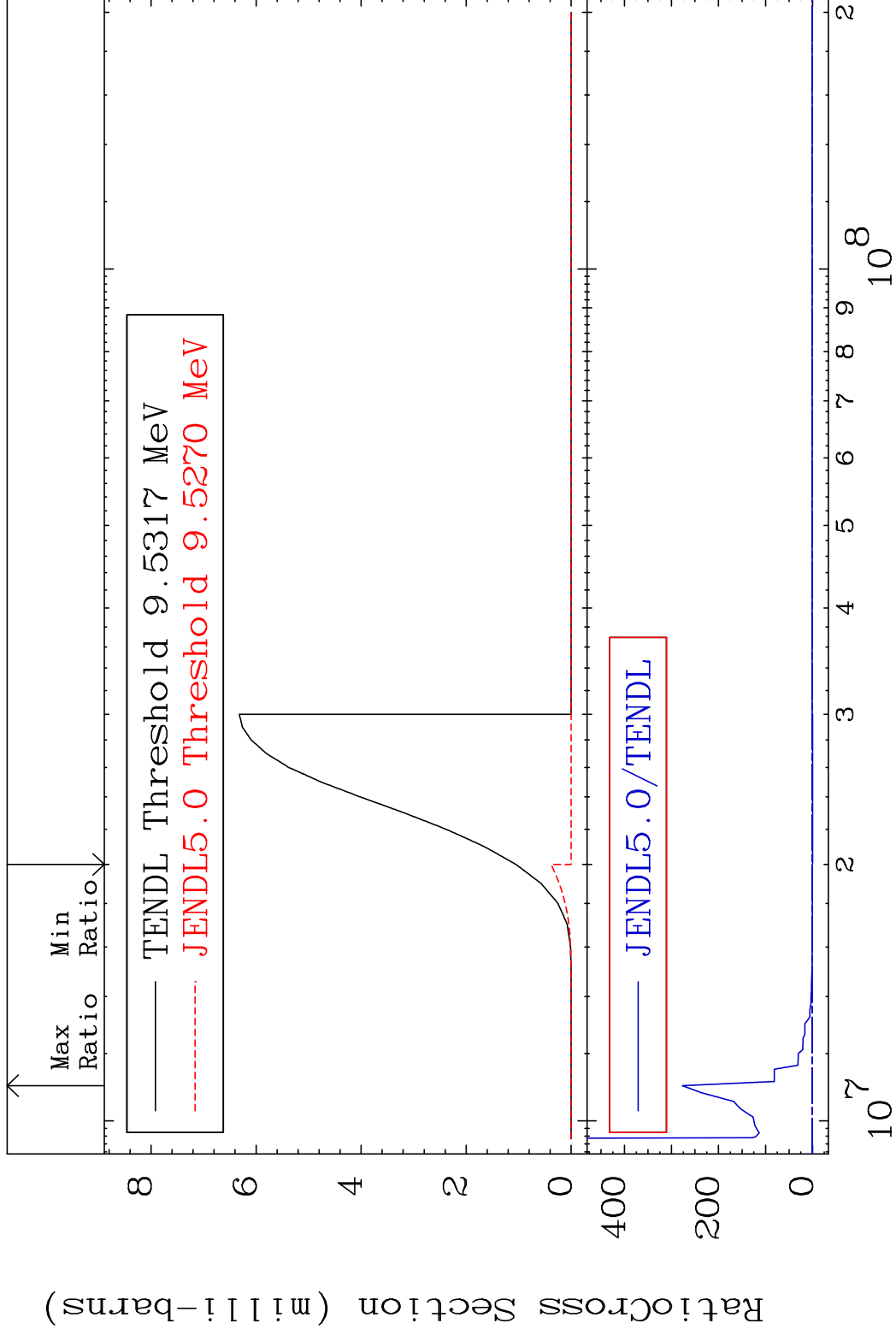
50-Sn-114

MAT 5031

(n, t)

50-Sn-114

Cross Section -100.0 To 9999. %

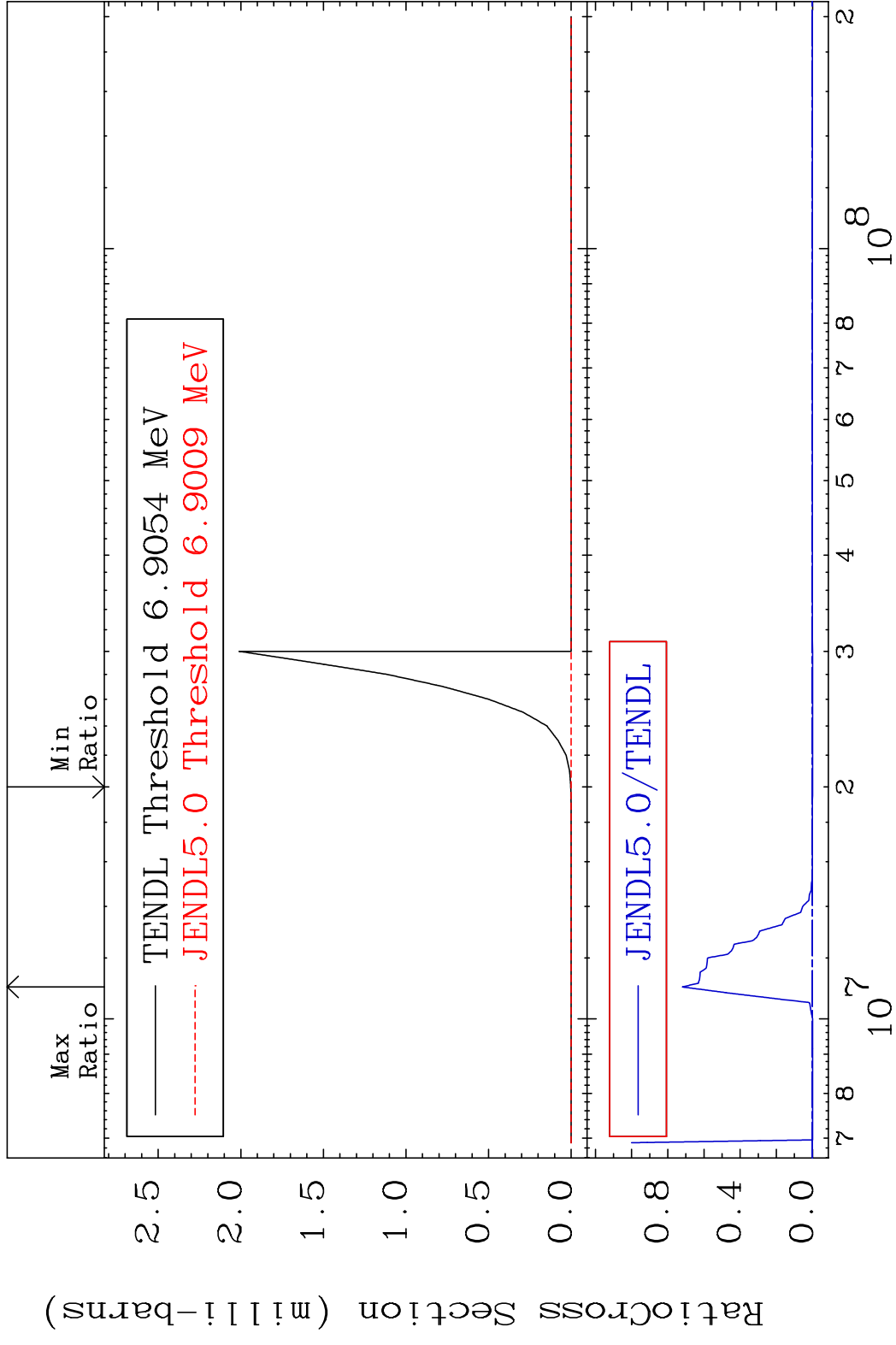


33

Incident Energy (eV)

50-Sn-114

MAT 5031 (n, He-3) 50-Sn-114
 Cross Section -100.0 To 9999. %

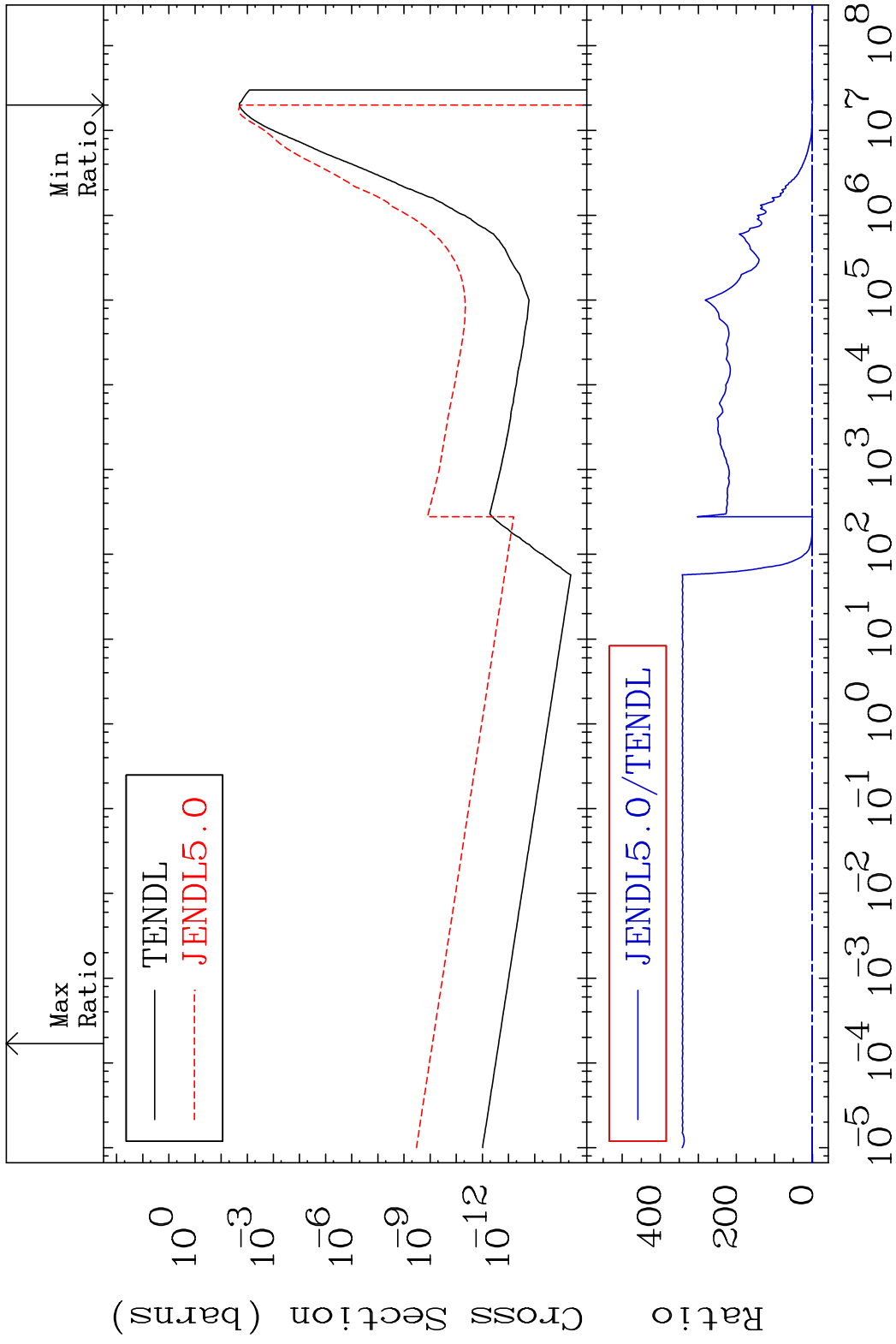


MAT 5031

(n, α)

50-Sn-114

Cross Section -100.0 To 9999. %

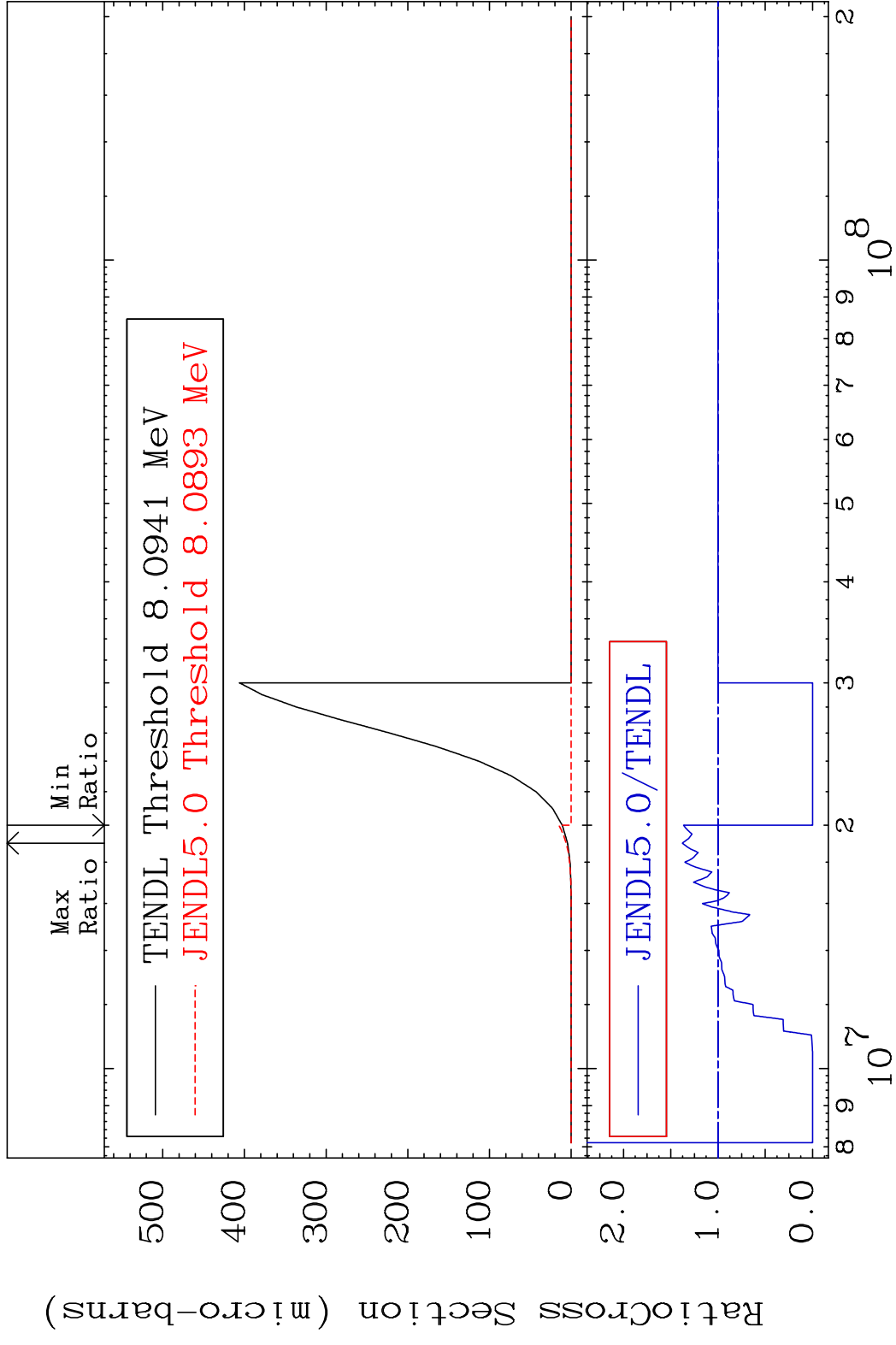


35

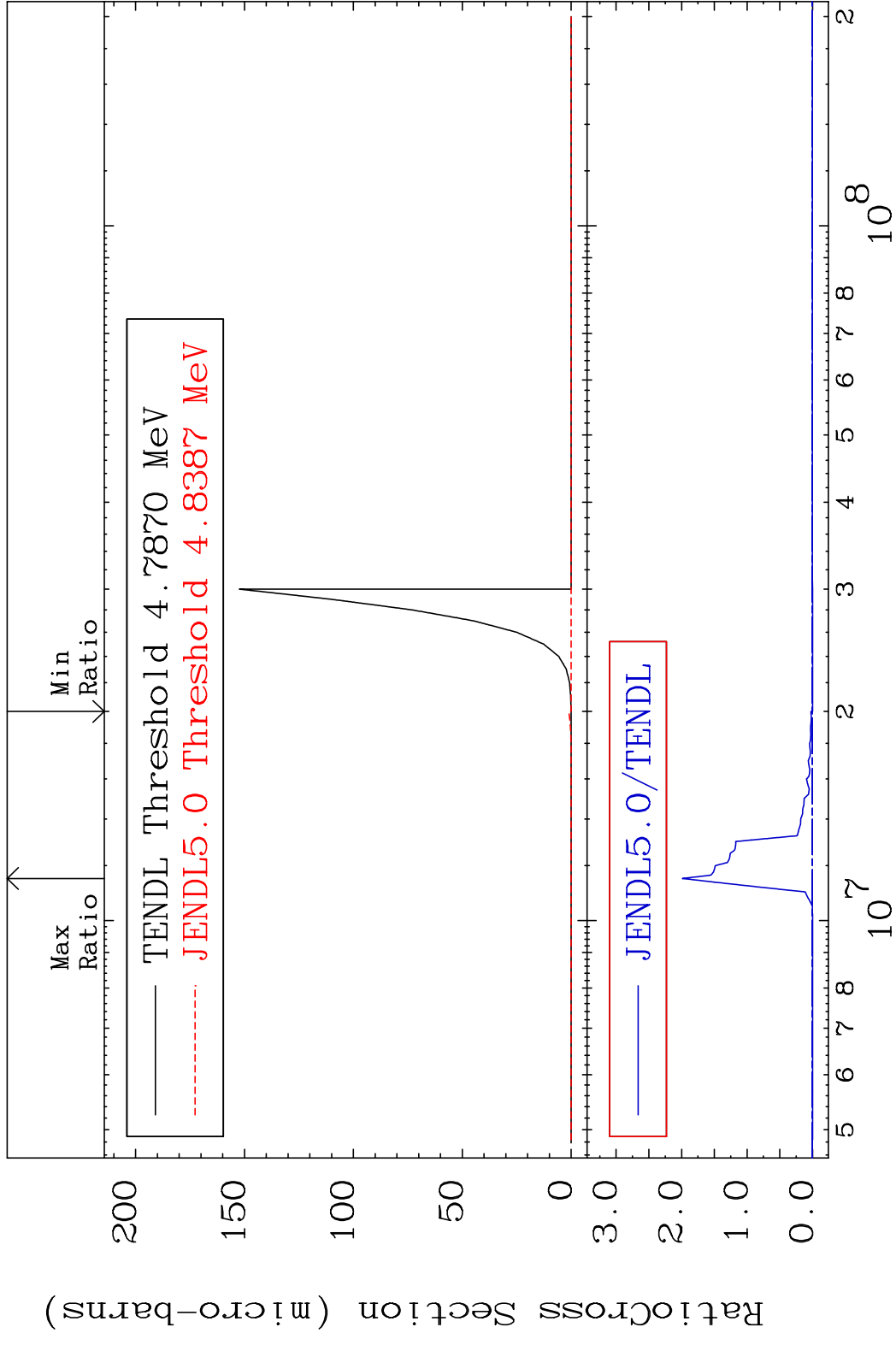
Incident Energy (eV)

50-Sn-114

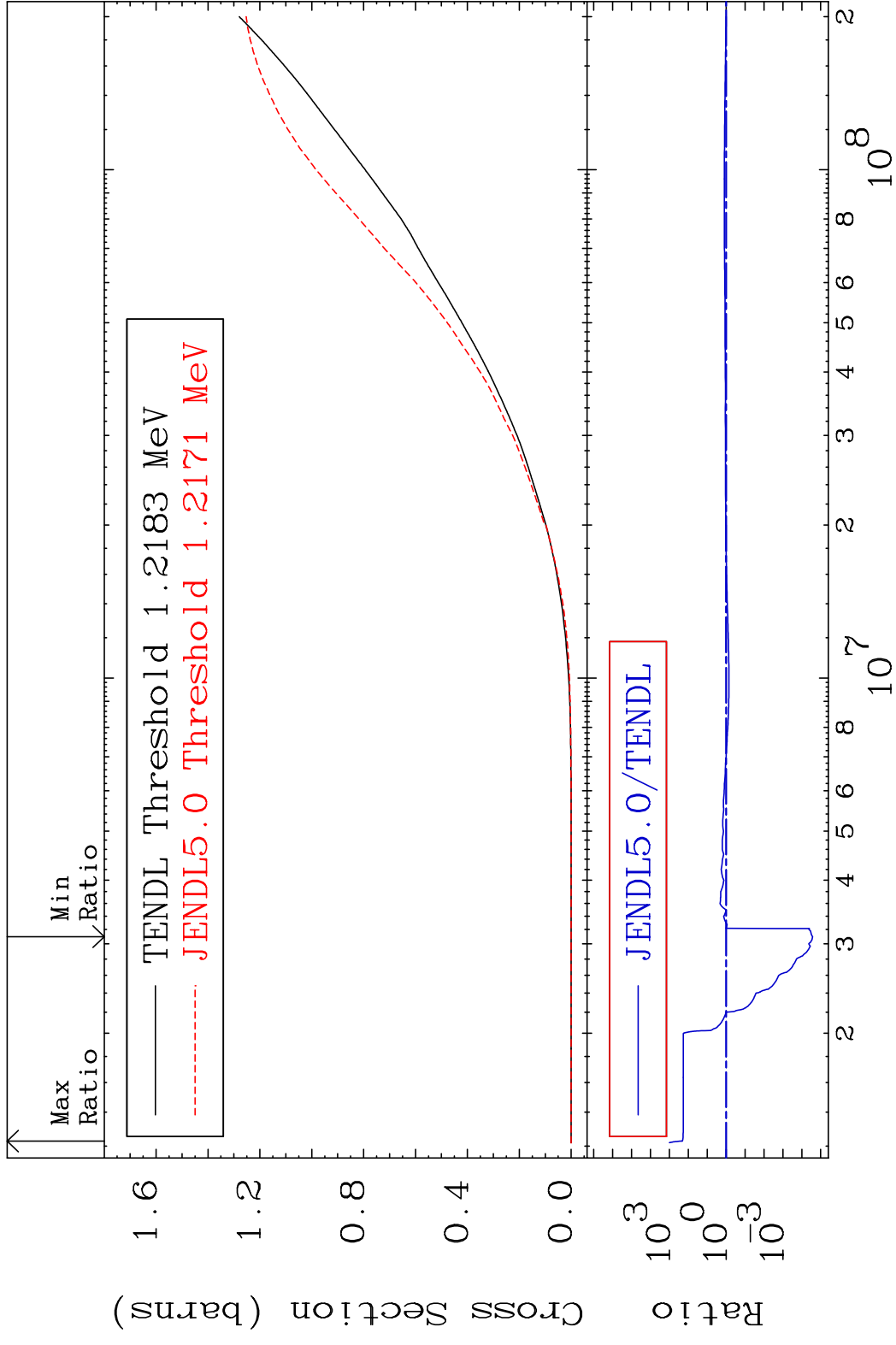
MAT 5031 (n,2p) 50-Sn-114
 Cross Section -100.0 To 37.71 %



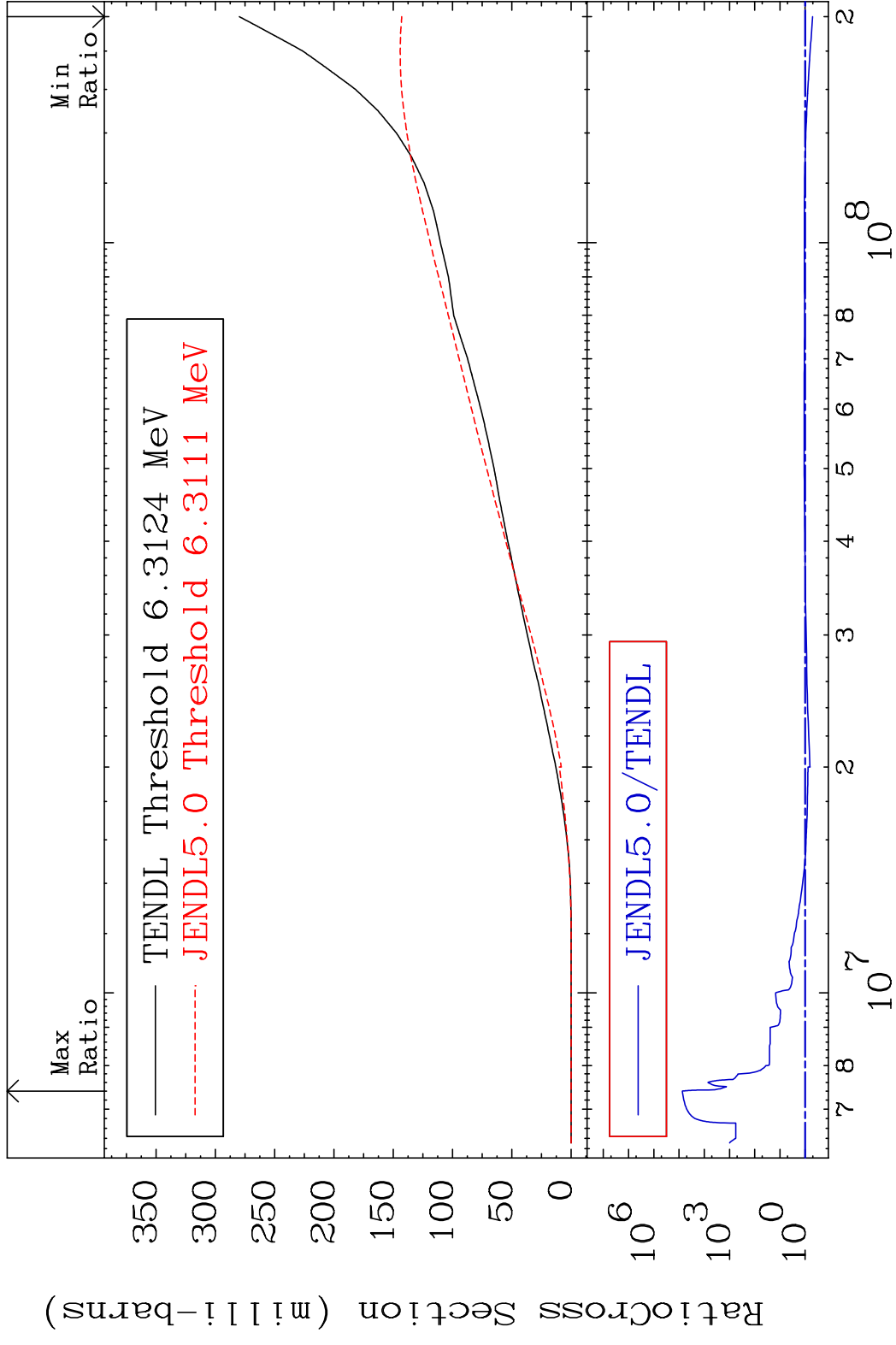
MAT 5031 (n,p) α 50-Sn-114
 Cross Section -100.0 To 9999. %



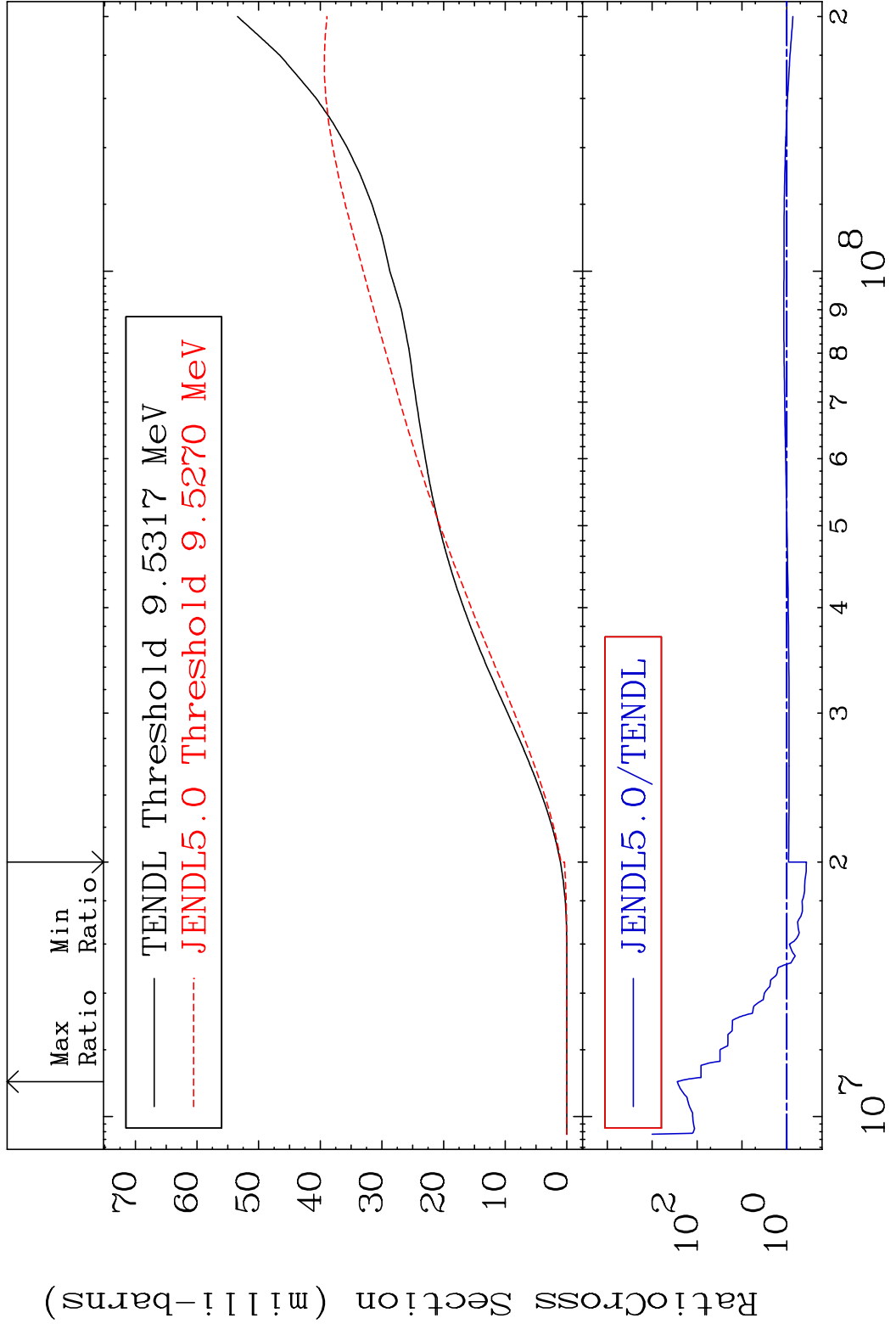
MAT 5031 Hydrogen Production 50-Sn-114
 Cross Section -100.0 To 9999. %



MAT 5031 Deuterium Production 50-Sn-114
 Cross Section -48.95 To 9999. %



MAT 5031 Tritium Production 50-Sn-114
 Cross Section -63.55 To 9999. %



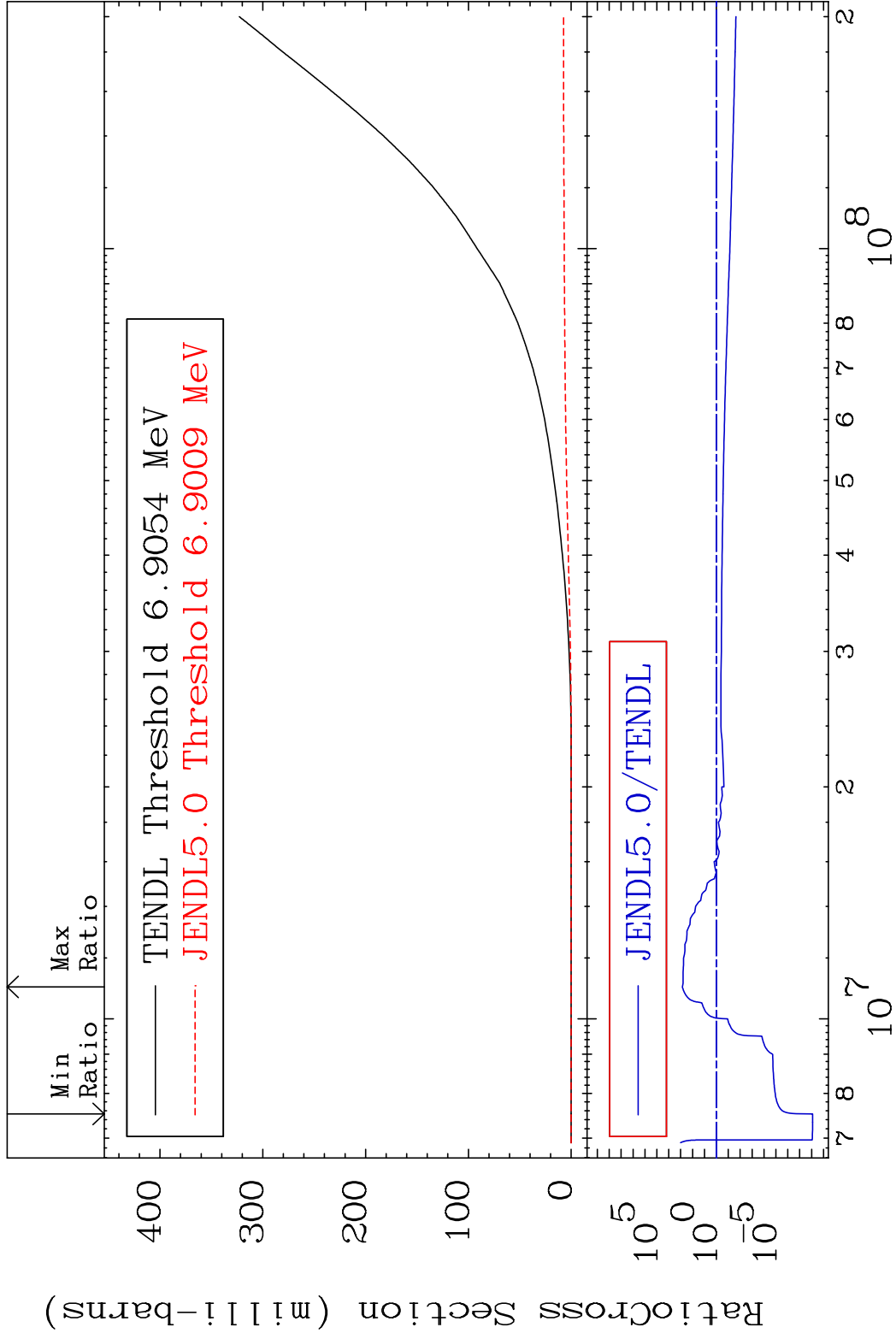
40 Incident Energy (eV) 50-Sn-114

MAT 5031

He-3 Production

50-Sn-114

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

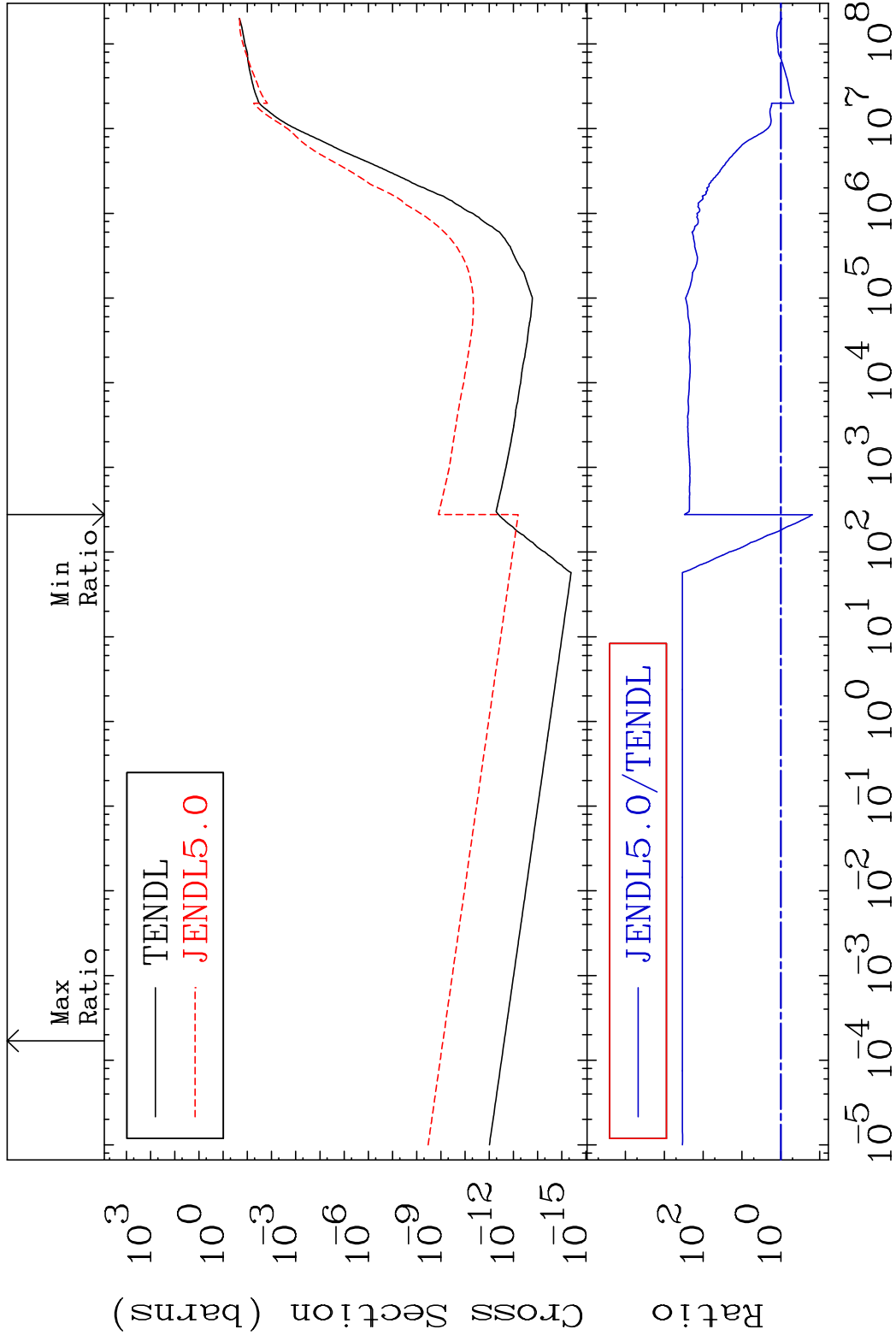
50-Sn-114

MAT 5031

He-4 Production

50-Sn-114

Cross Section -84.73 To 9999. %

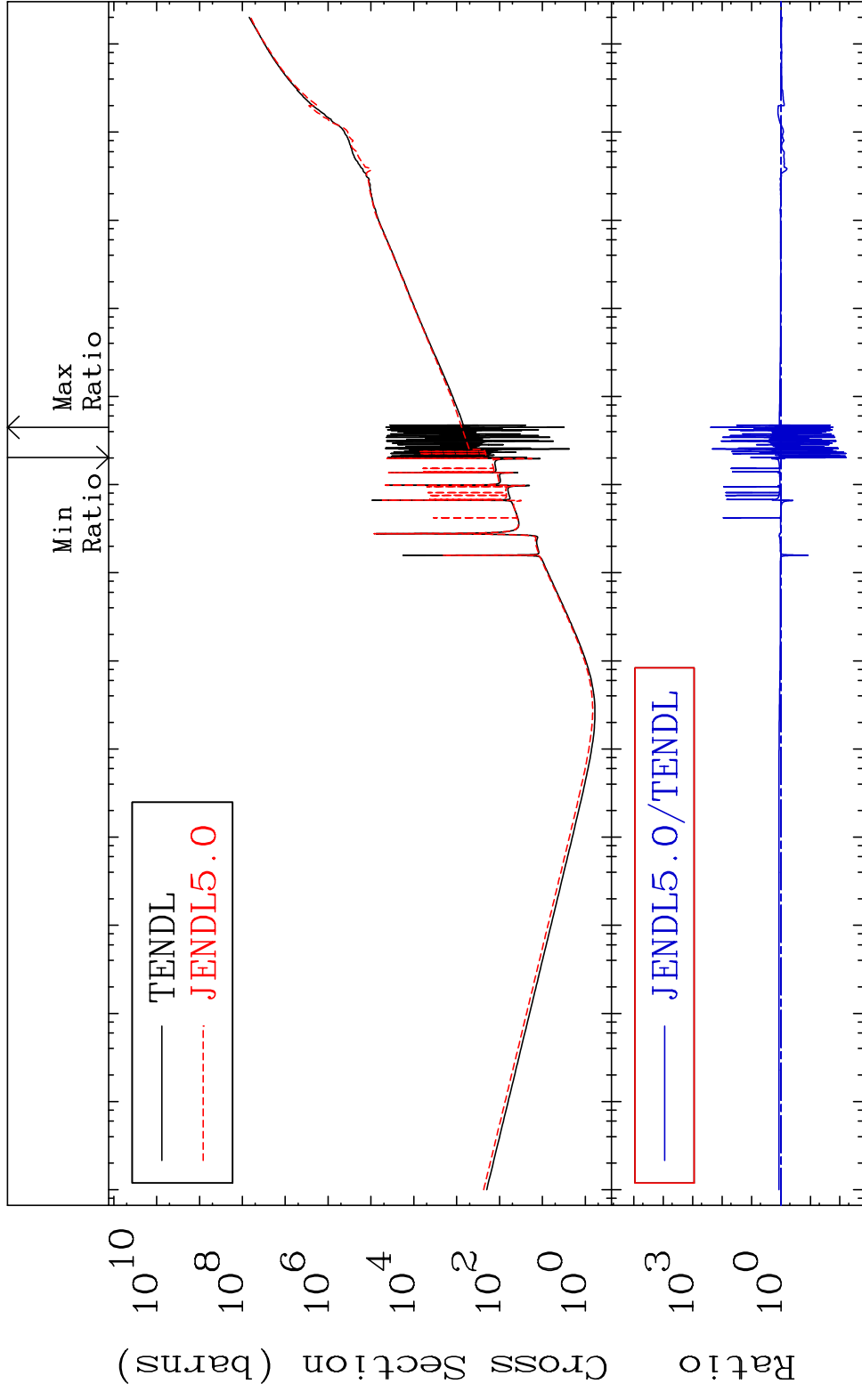


42

Incident Energy (eV)

50-Sn-114

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



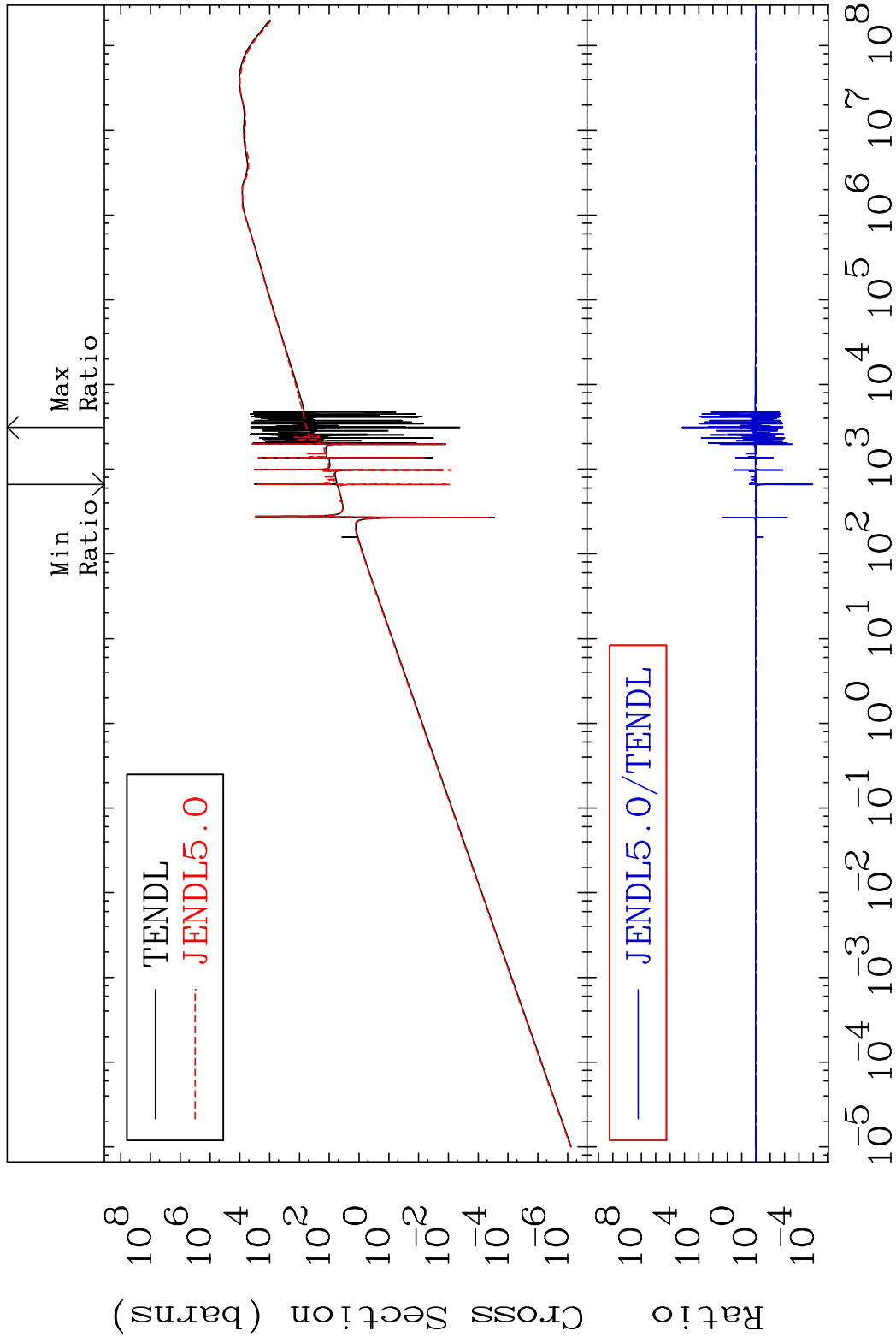
43 Incident Energy (eV) 50-Sn-114

MAT 5031

Kerma elastic

50-Sn-114

Cross Section -99.99 To 9999. %

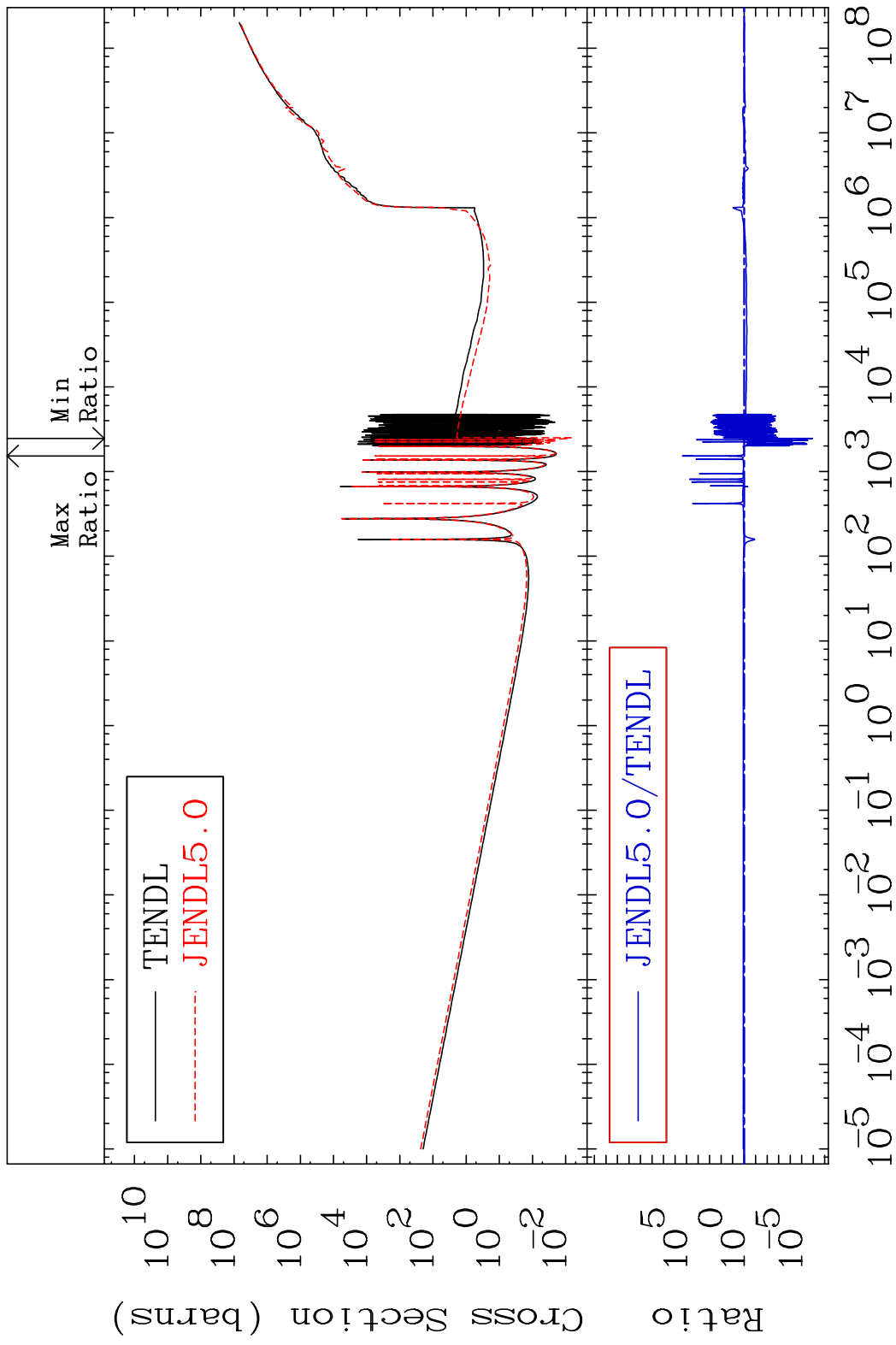


44

Incident Energy (eV)

50-Sn-114

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

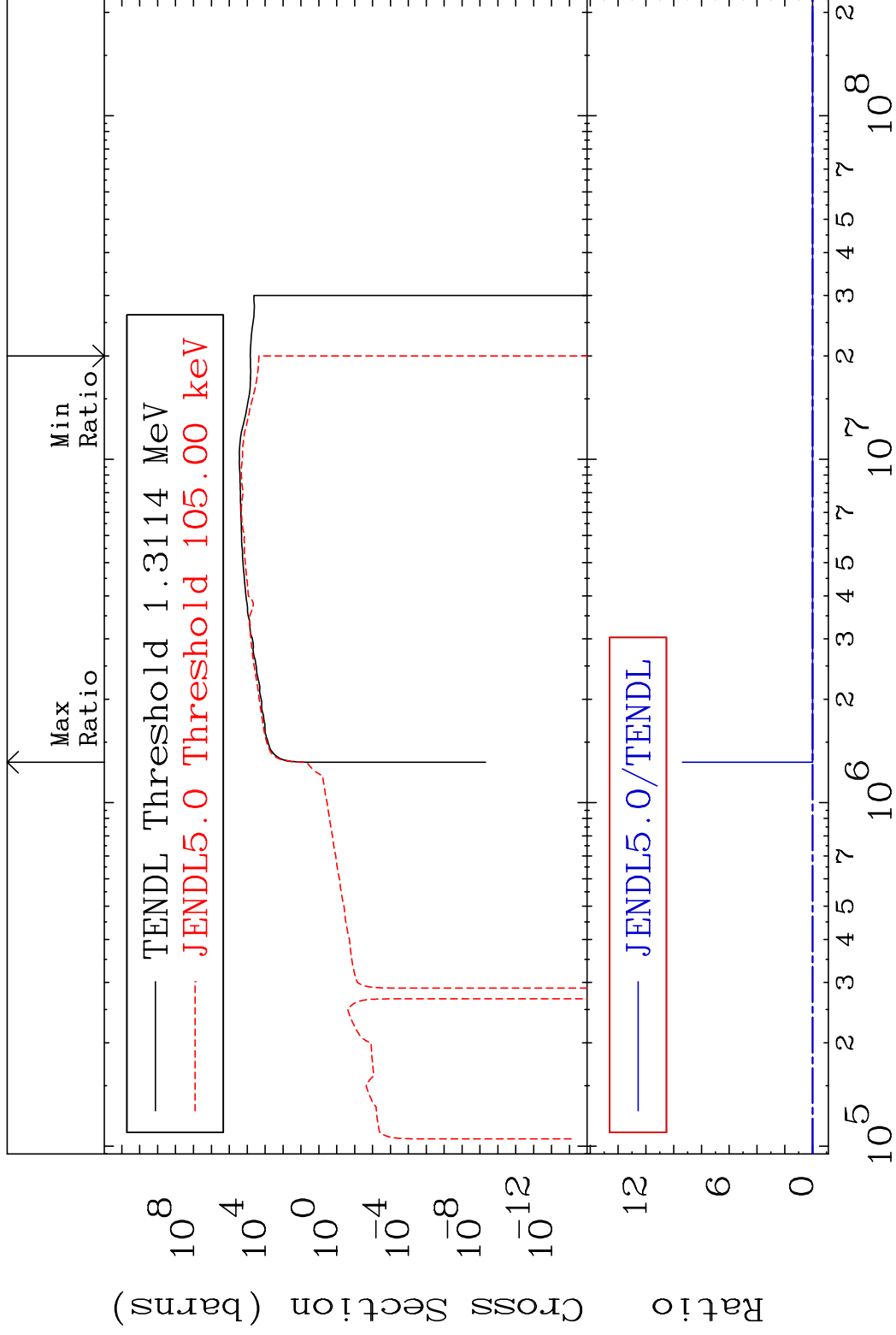


45 Incident Energy (eV) 50-Sn-114

MAT 5031

Kerma inelastic (mt51-91) 50-Sn-114

Cross Section -100.0 To 9999. %

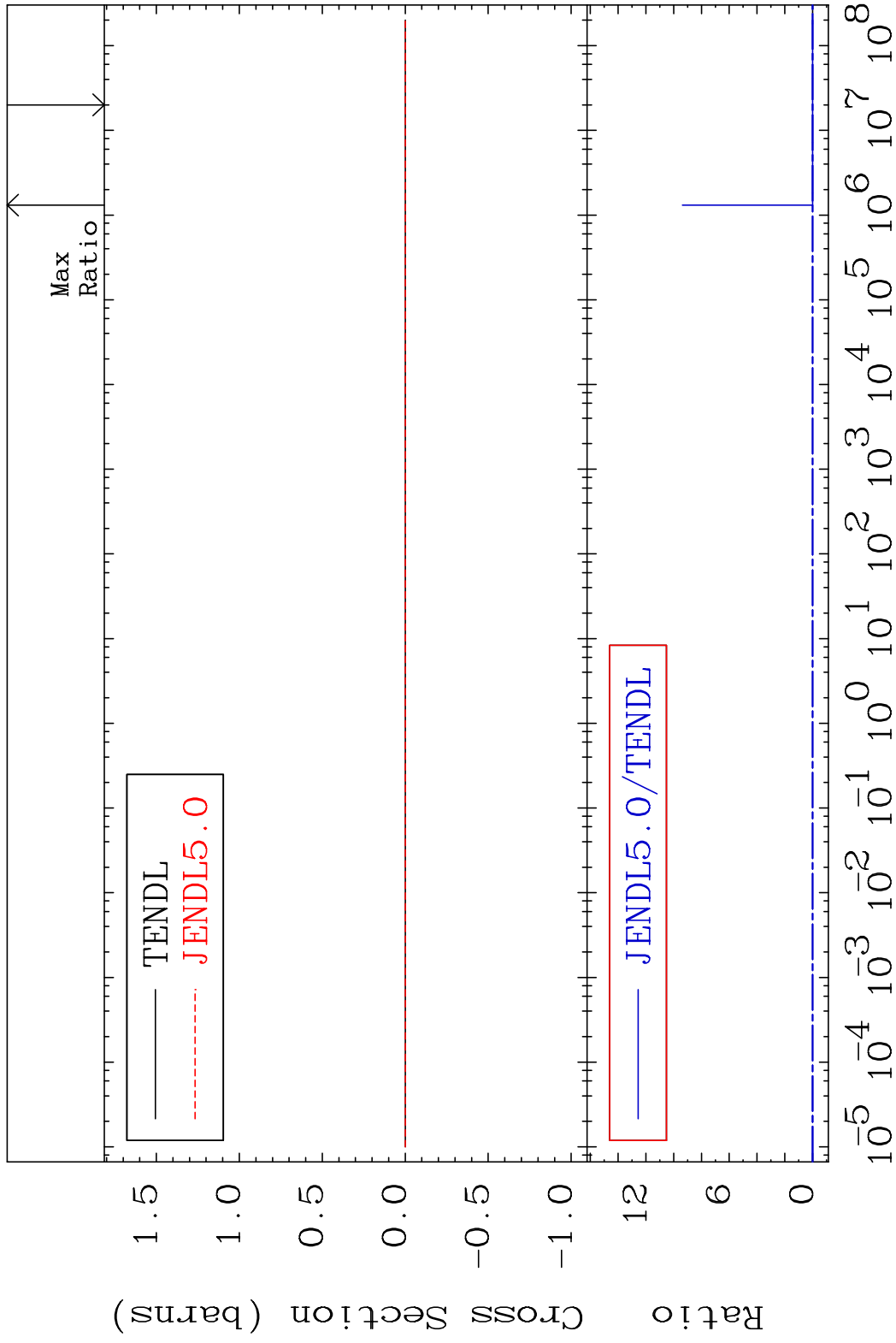


46

Incident Energy (eV)

50-Sn-114

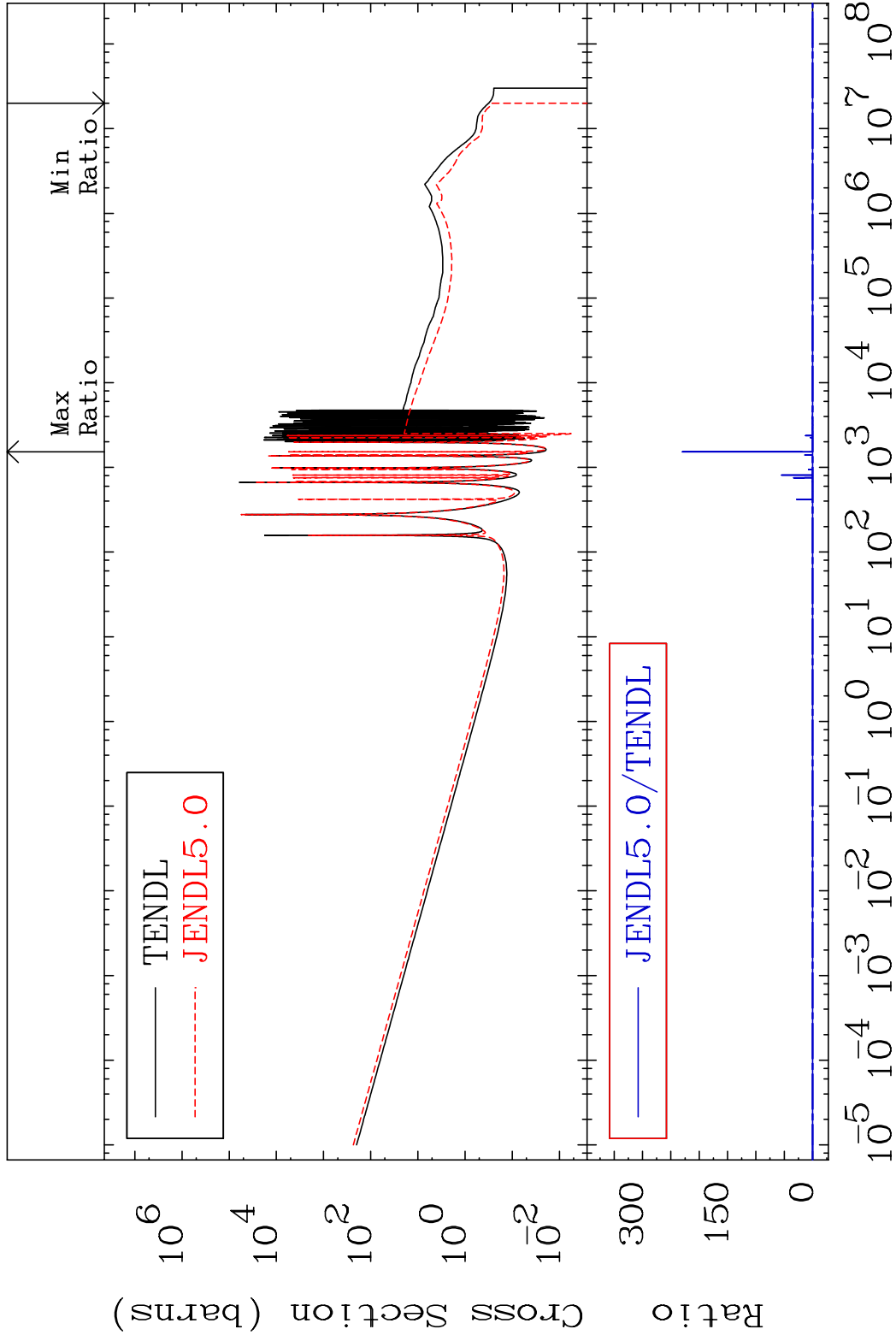
MAT 5031 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-114
 Cross Section -100.0 To 9999. %



MAT 5031

Kerma capture (mt102) 50-Sn-114

Cross Section -100.0 To 9999. %

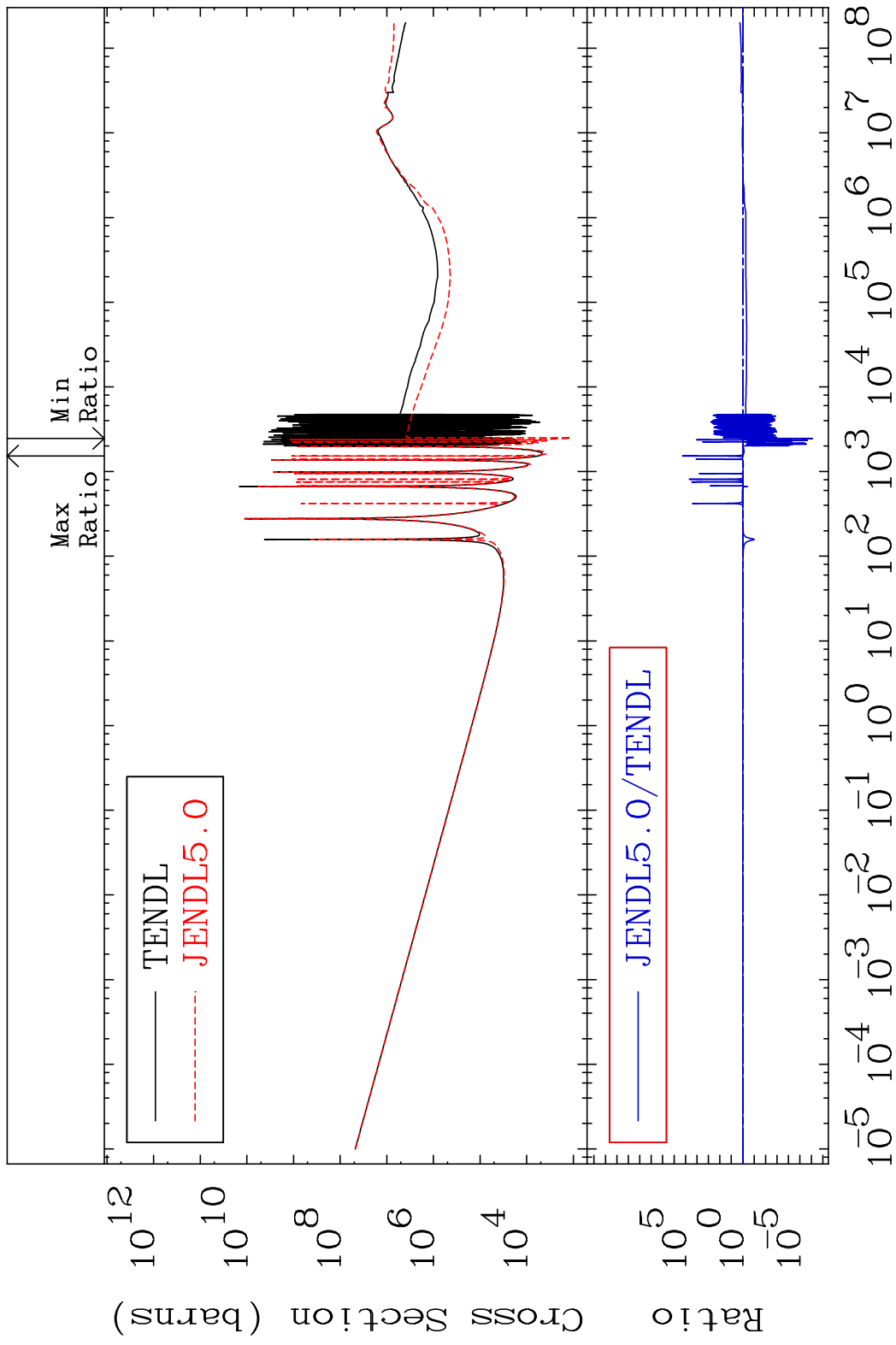


48

Incident Energy (eV)

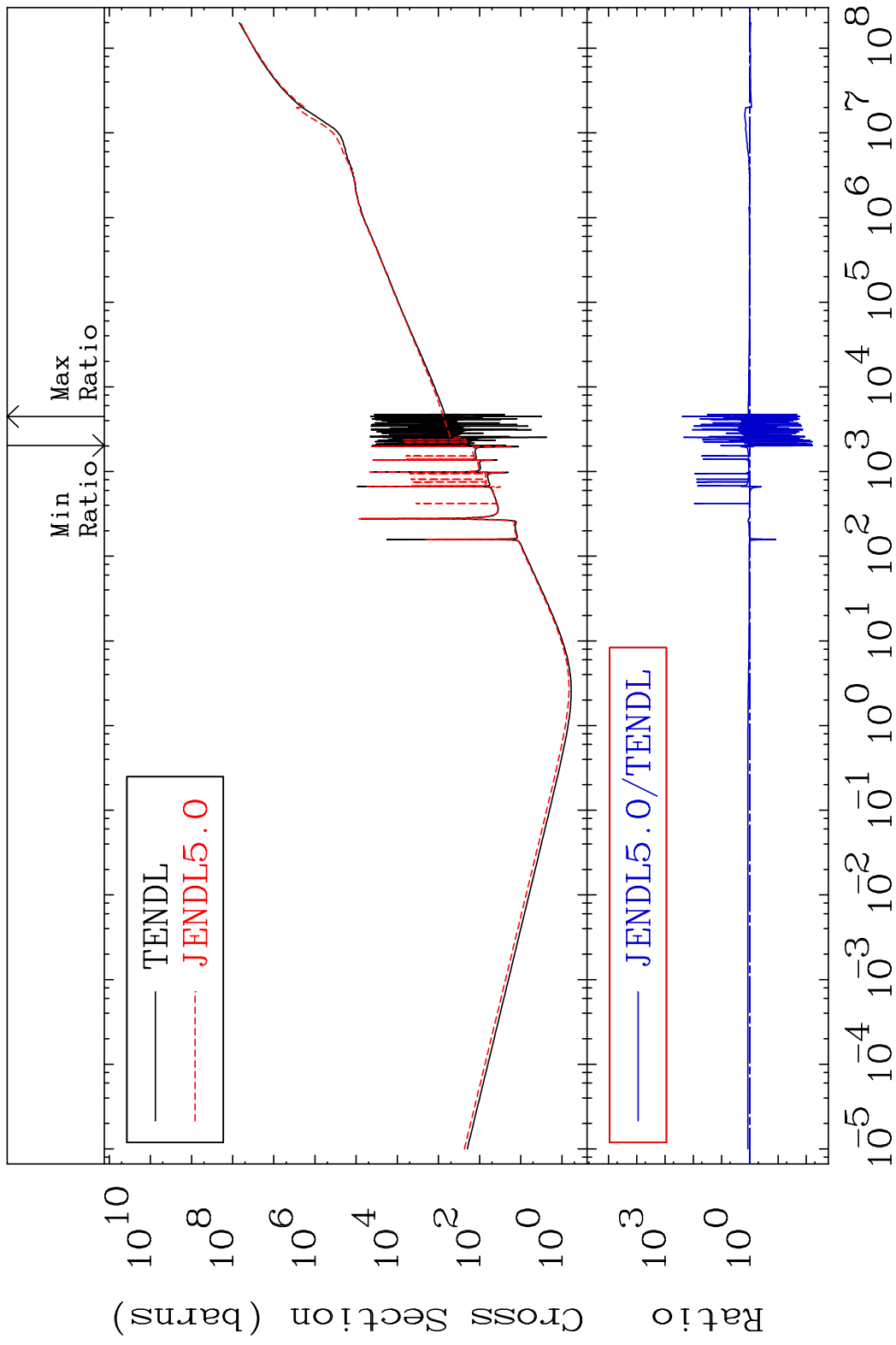
50-Sn-114

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



49 Incident Energy (eV) 50-Sn-114

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

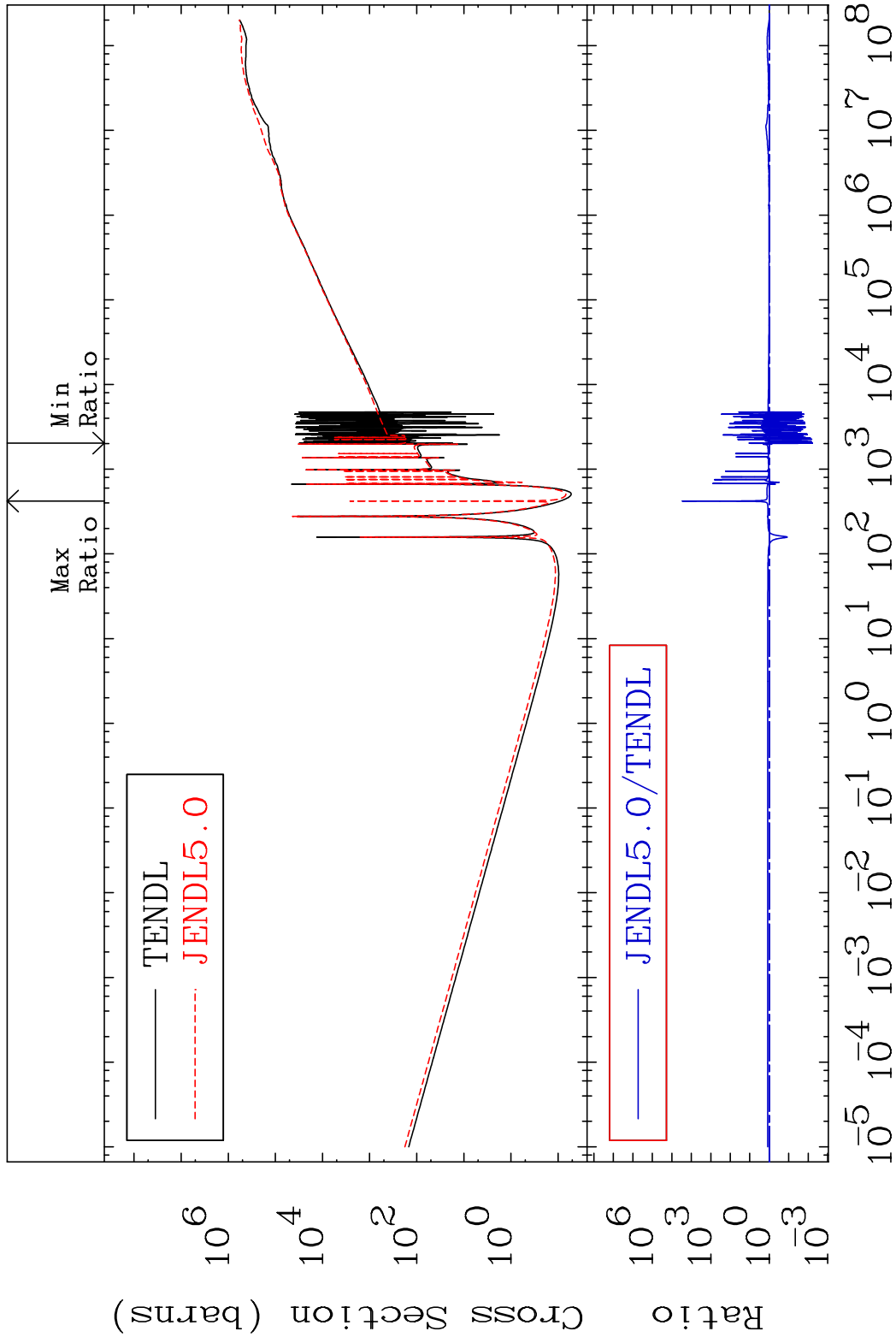


MAT 5031

Dpa total (eV-barns)

50-Sn-114

Cross Section -99.40 To 9999. %



51

Incident Energy (eV)

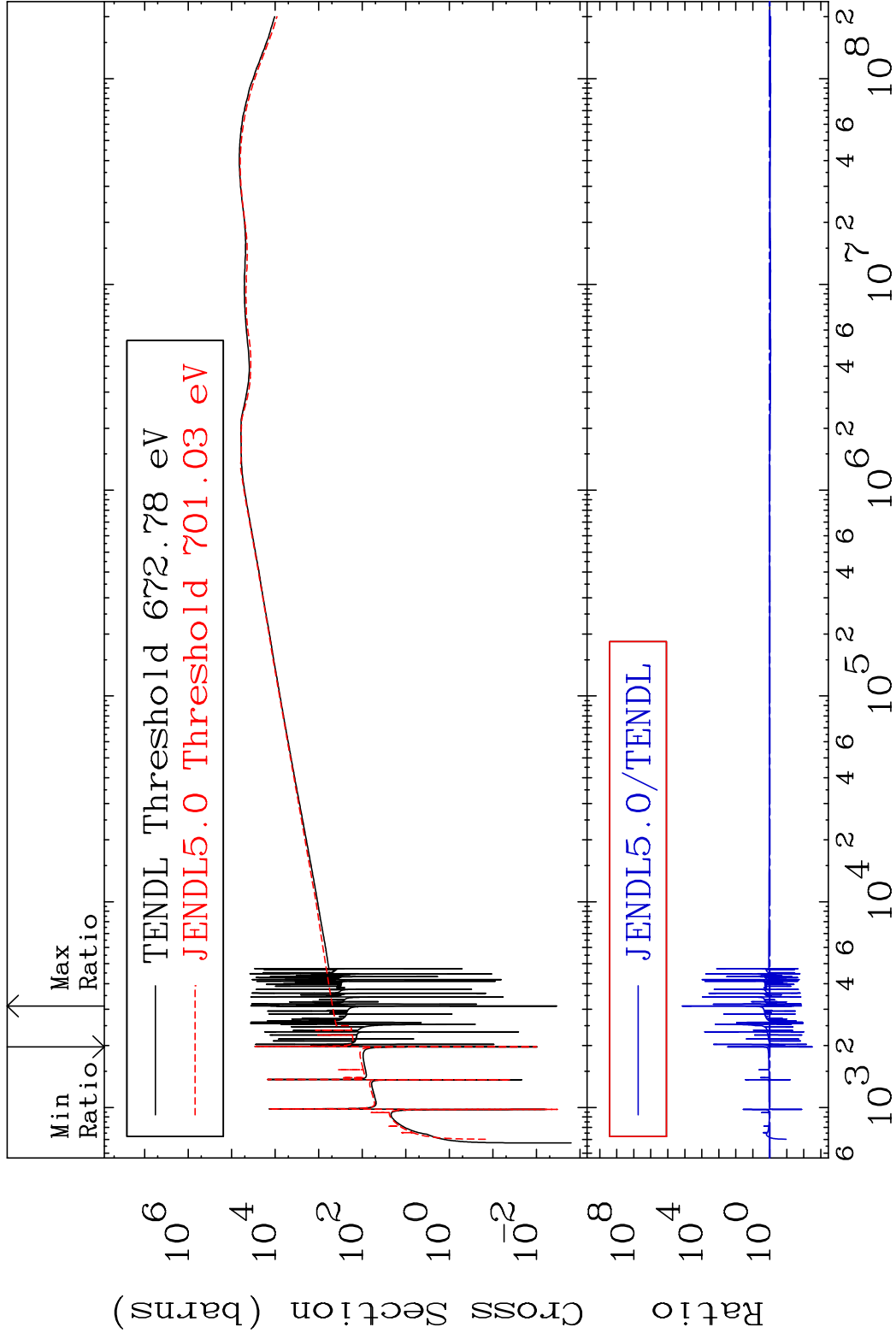
50-Sn-114

MAT 5031

Dpa elastic (mt2)

50-Sn-114

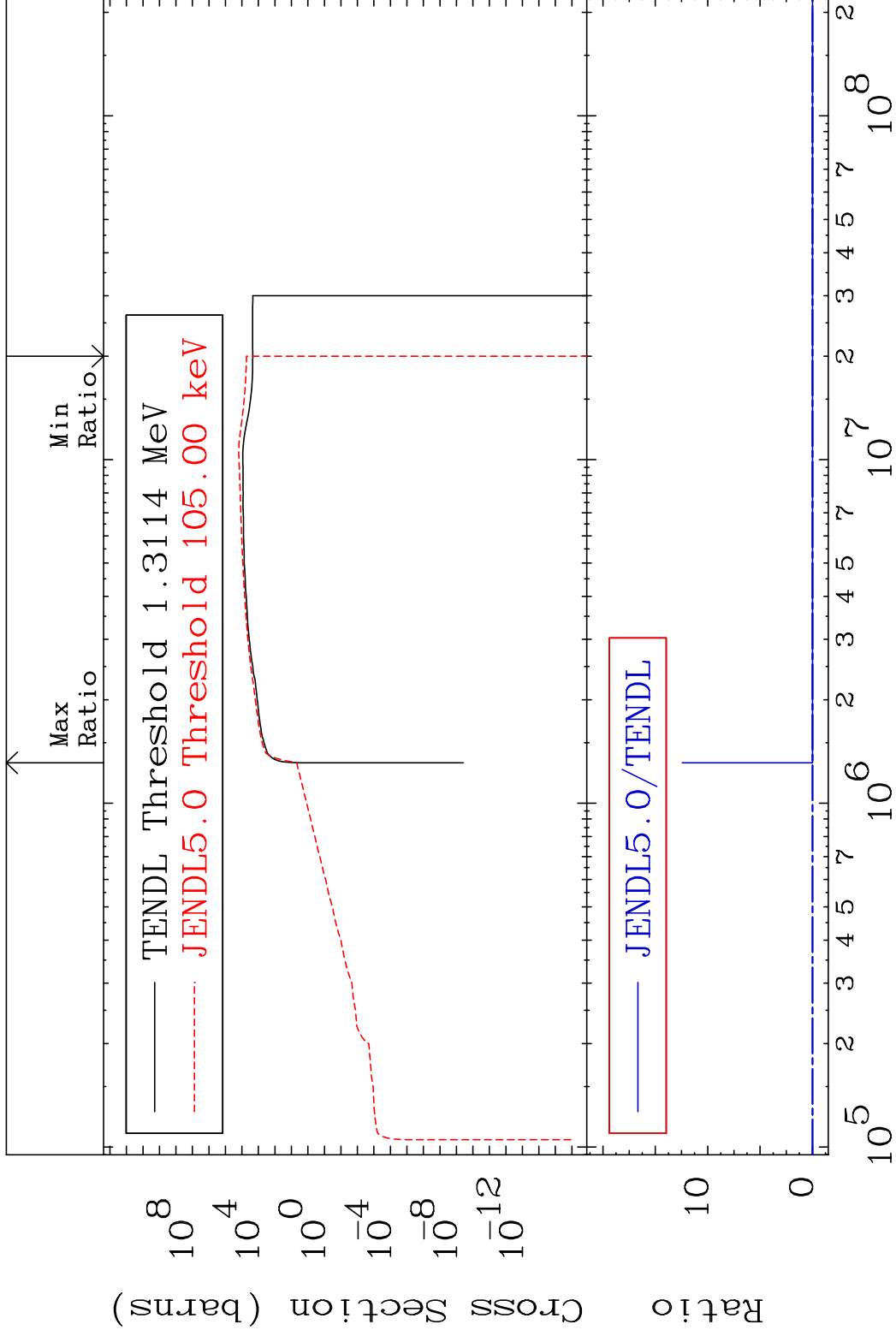
Cross Section -99.70 To 9999. %



MAT 5031

Dpa inelastic (mt51-91) 50-Sn-114

Cross Section -100.0 To 9999. %

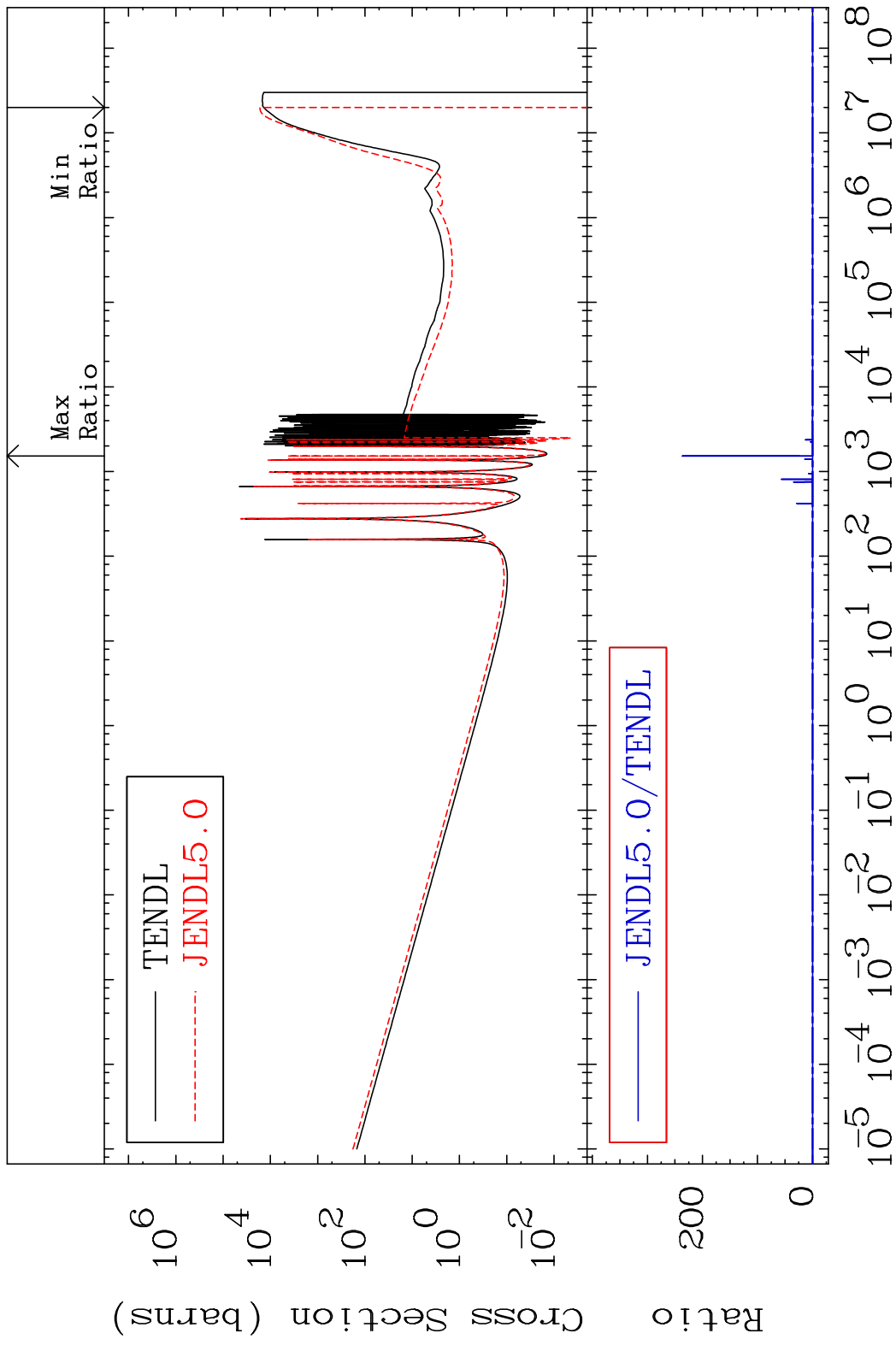


53

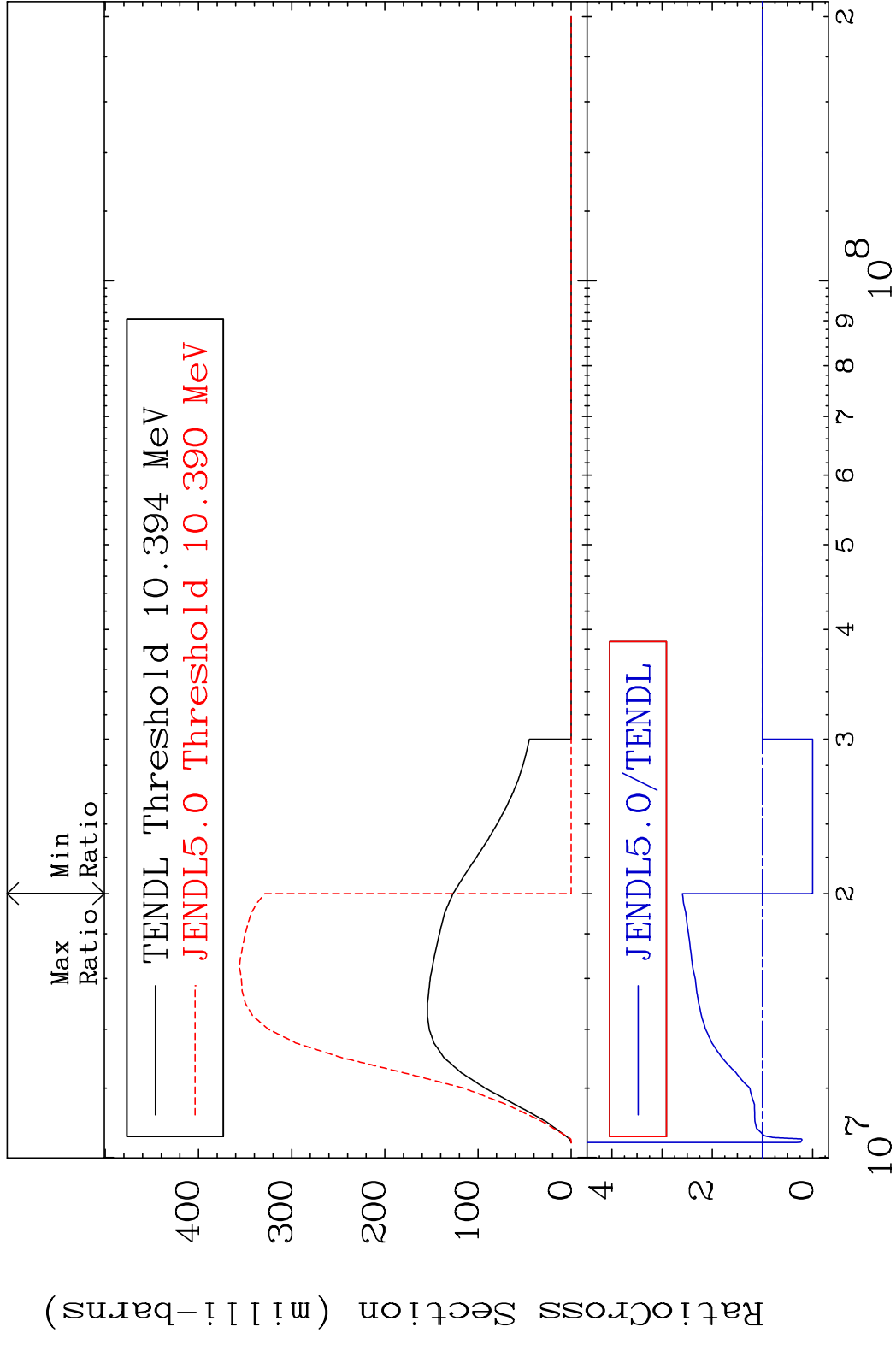
Incident Energy (eV)

50-Sn-114

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

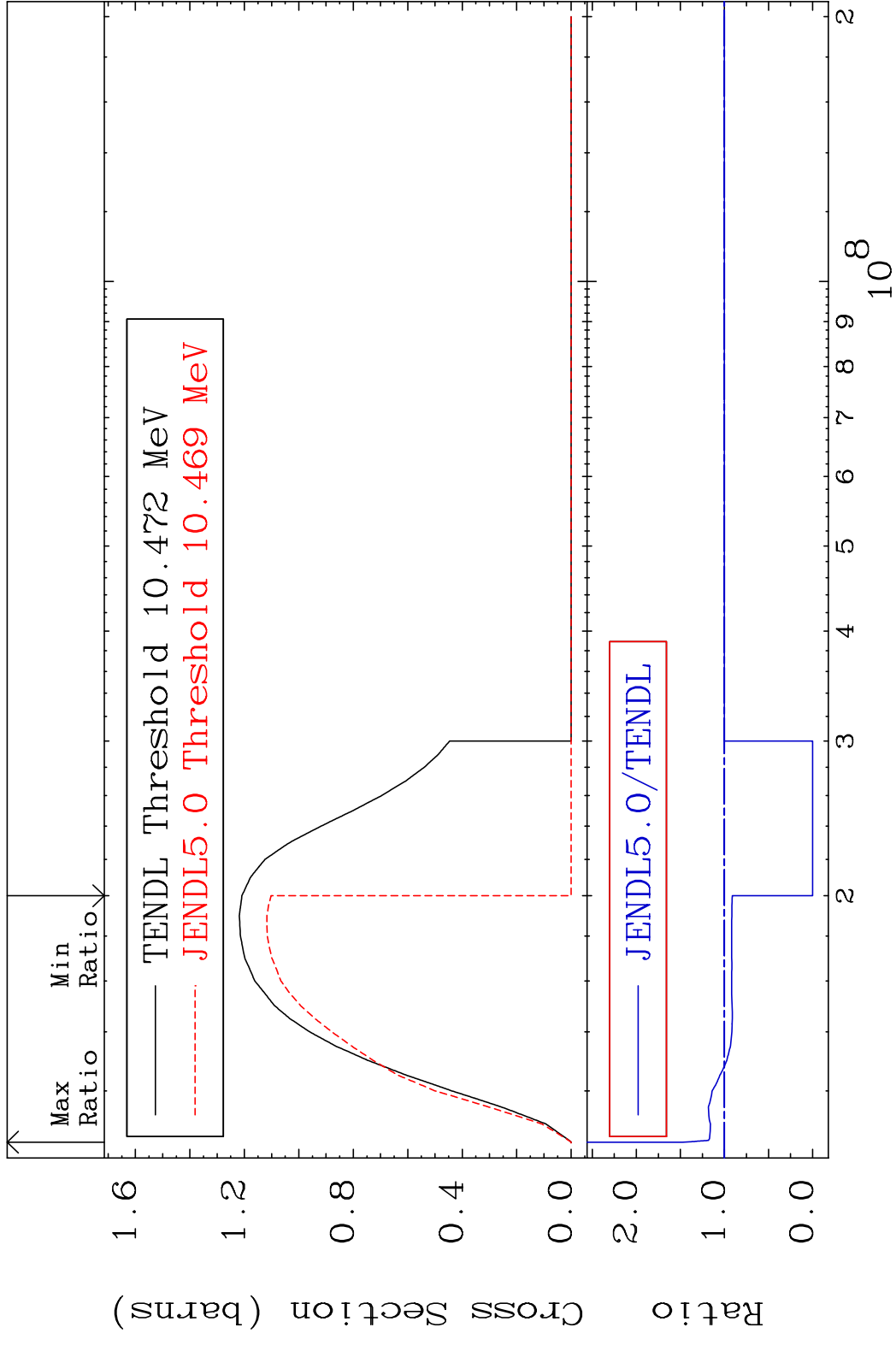


MAT 5031 (n,2n):50-Sn-113g 50-Sn-114
 Radionuclide Production Cross Section 159.5 %

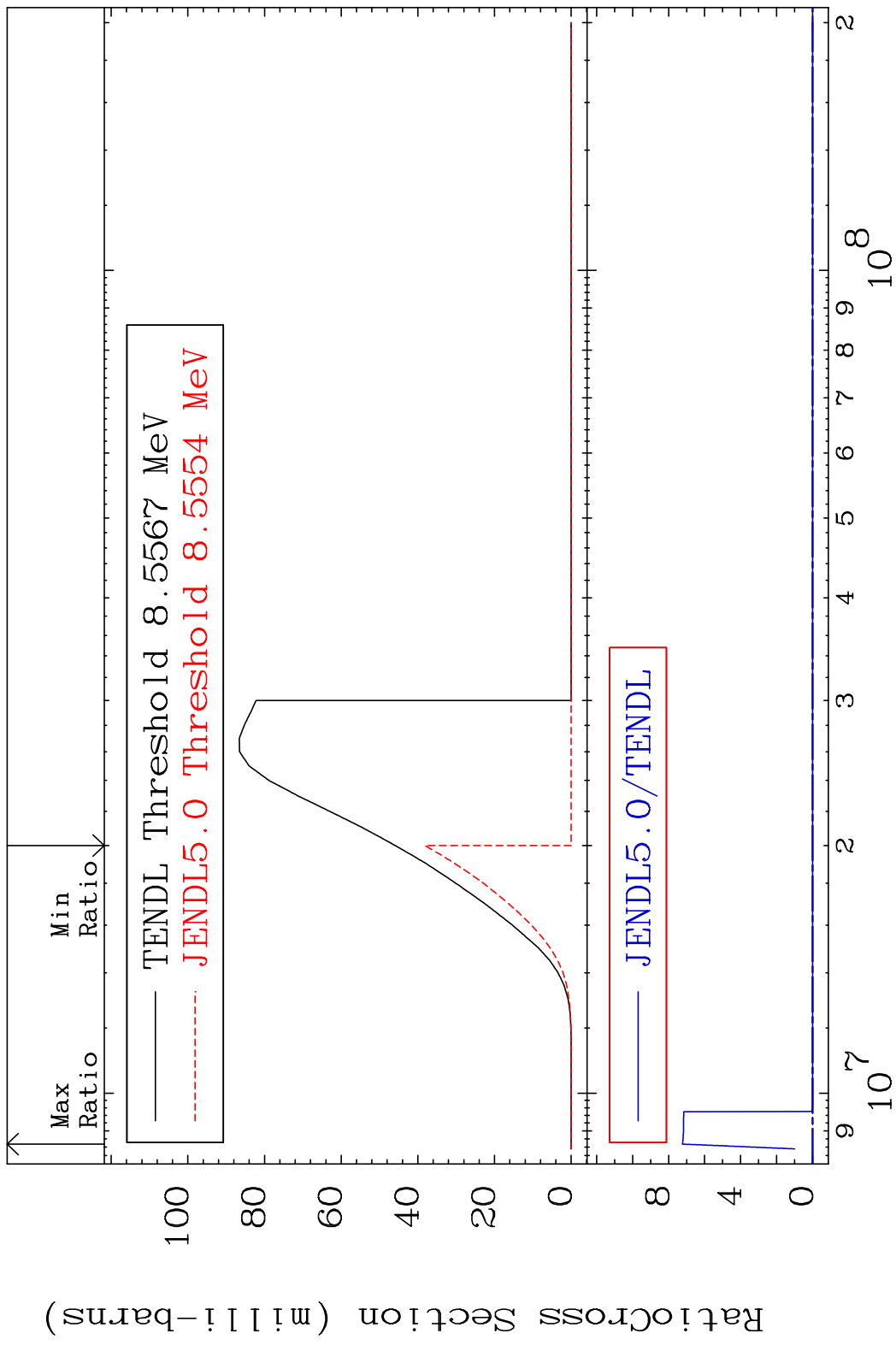


55 Incident Energy (eV) 50-Sn-114

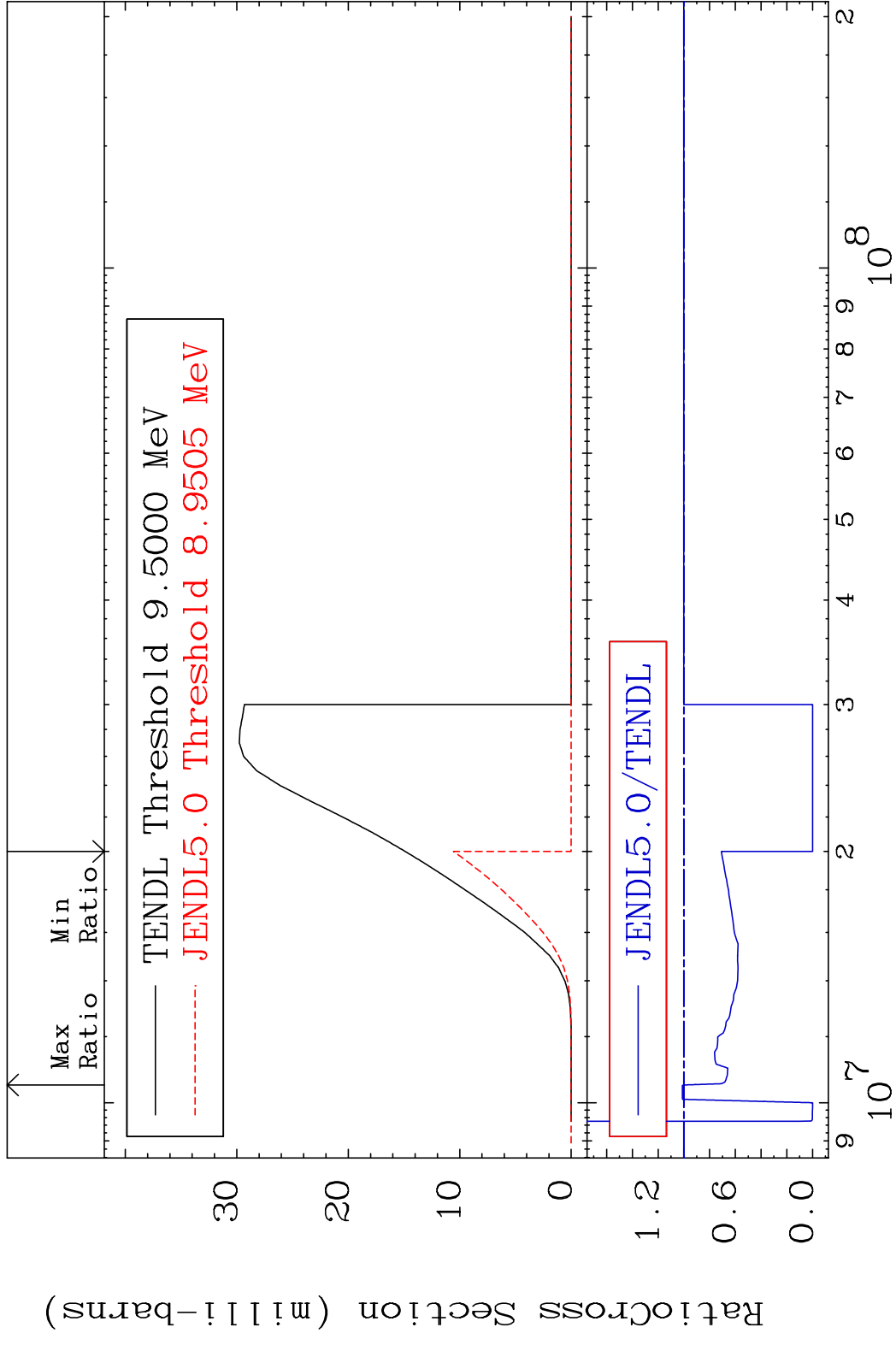
MAT 5031 (n,2n):50-Sn-113m1 50-Sn-114
 Radionuclide Production Cross Section 180.01 dth 47.76 %

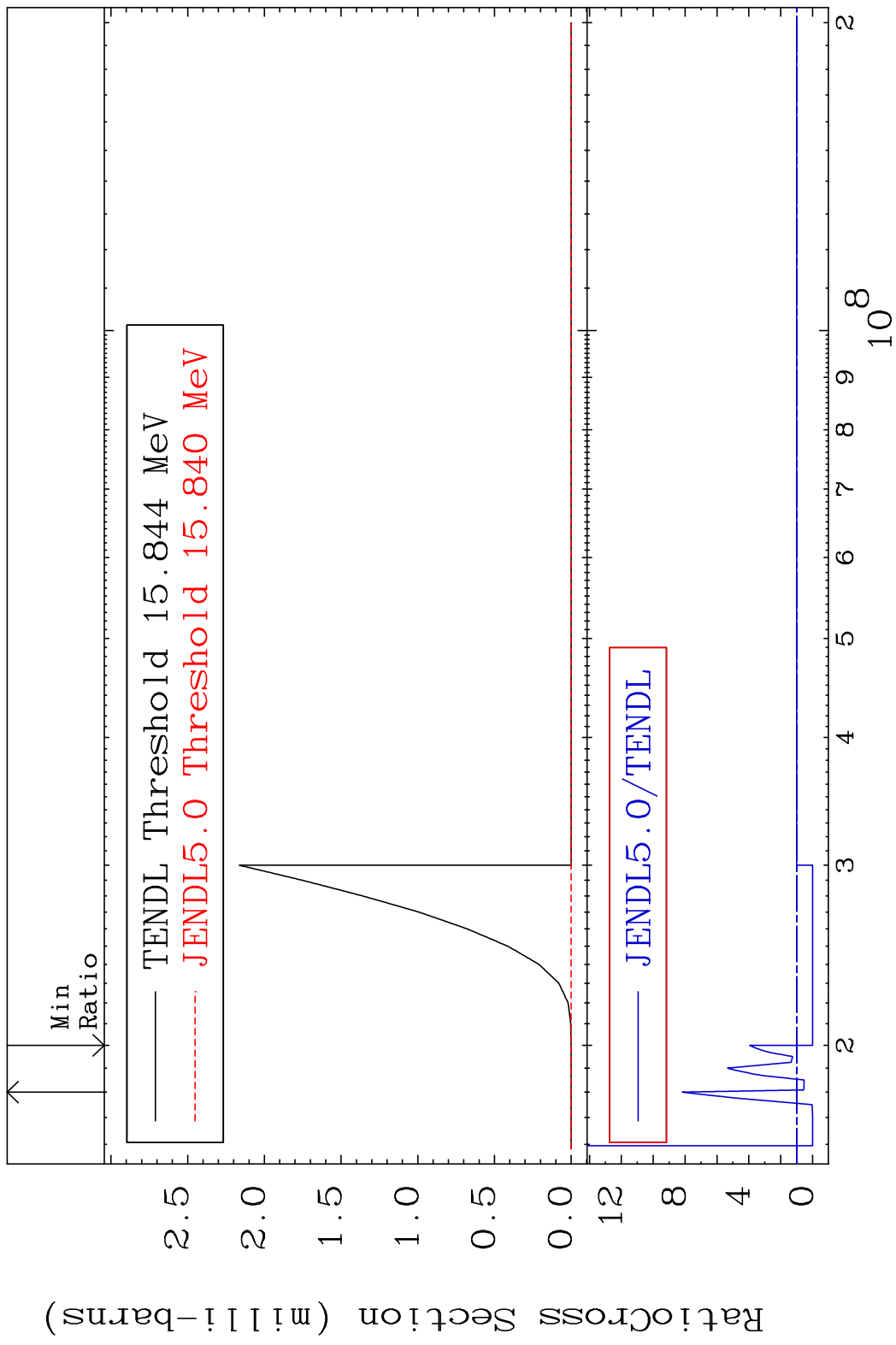


MAT 5031 (n, n') p:49-In-113g 50-Sn-114
 Radionuclide Production Cross Section Ratio 9999. %

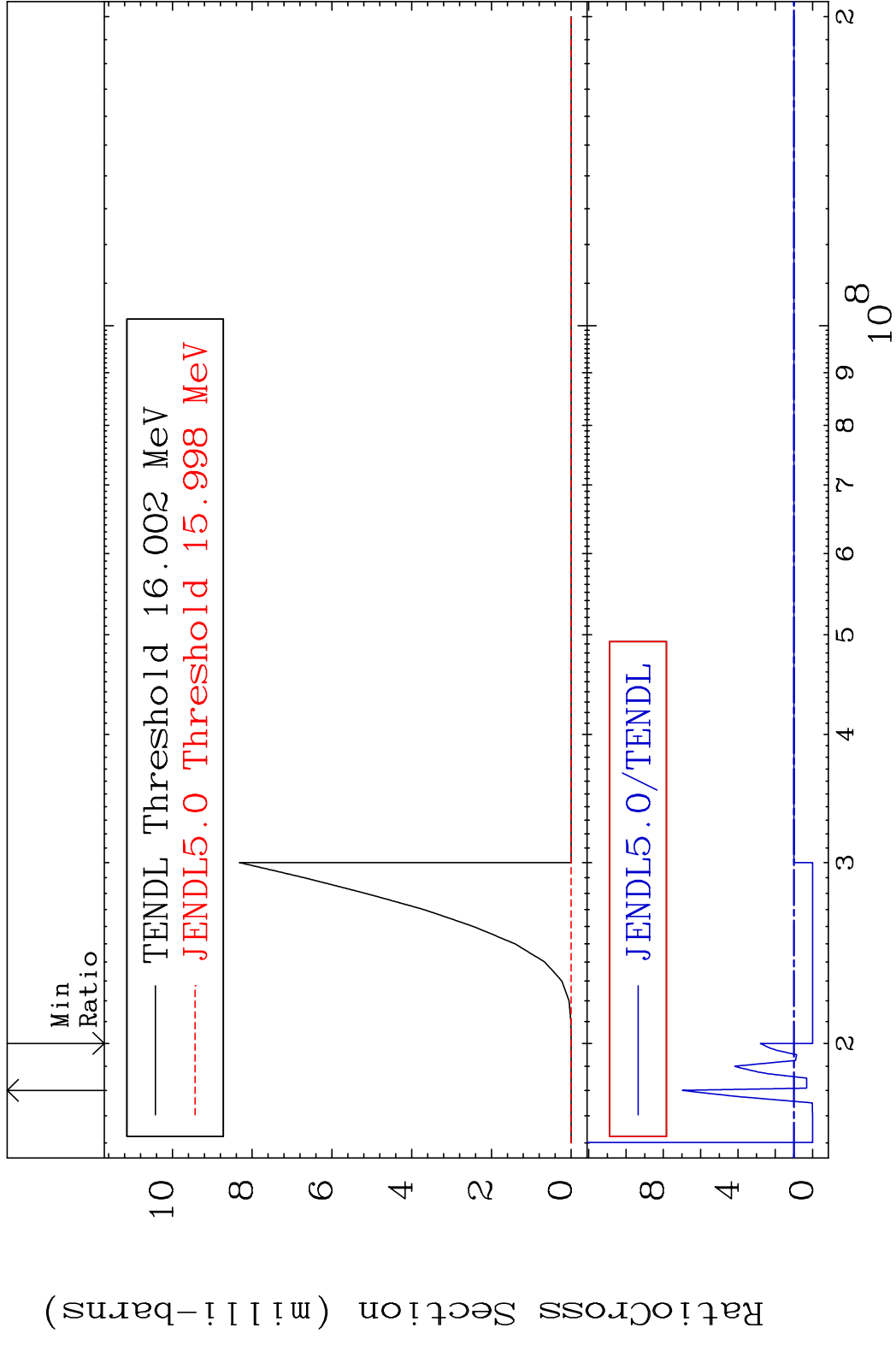


MAT 5031 (n, n') p:49-In-113m1 50-Sn-114
 Radionuclide Production Cross Section Ratio 1.174 %

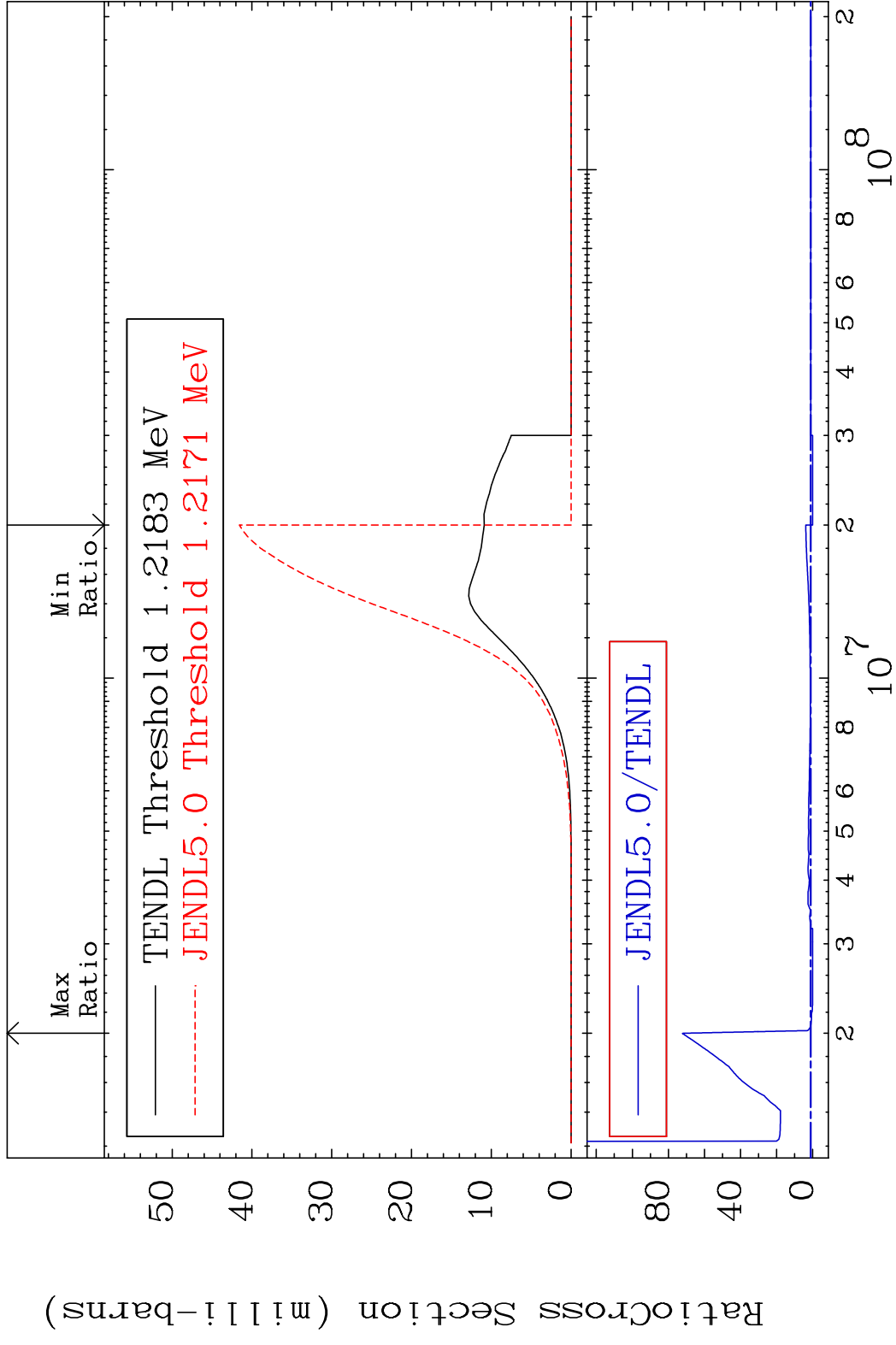




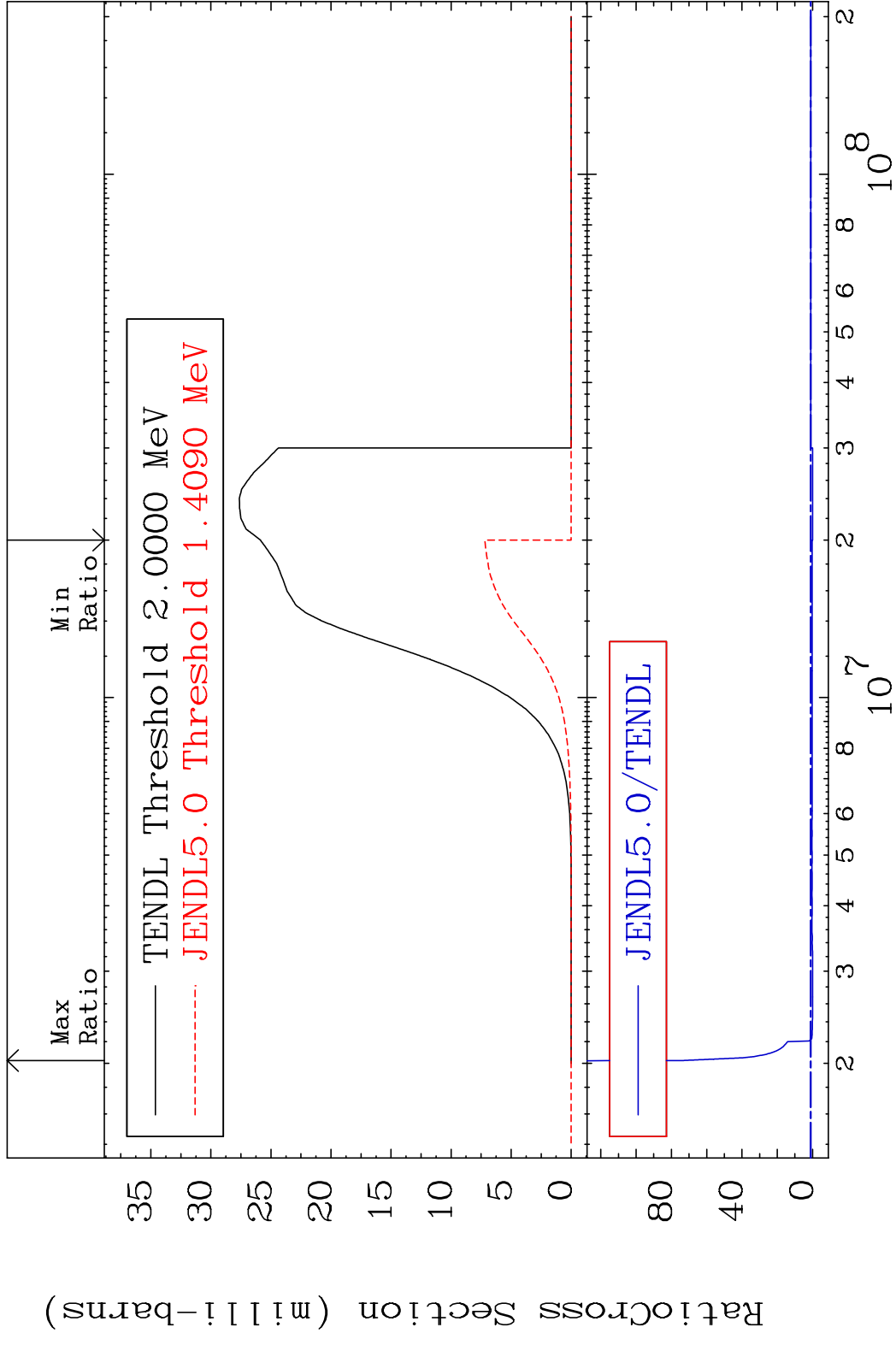
MAT 5031 (n, n') d:49-In-112m1 50-Sn-114
 Radionuclide Production Cross Section to 597.9 %



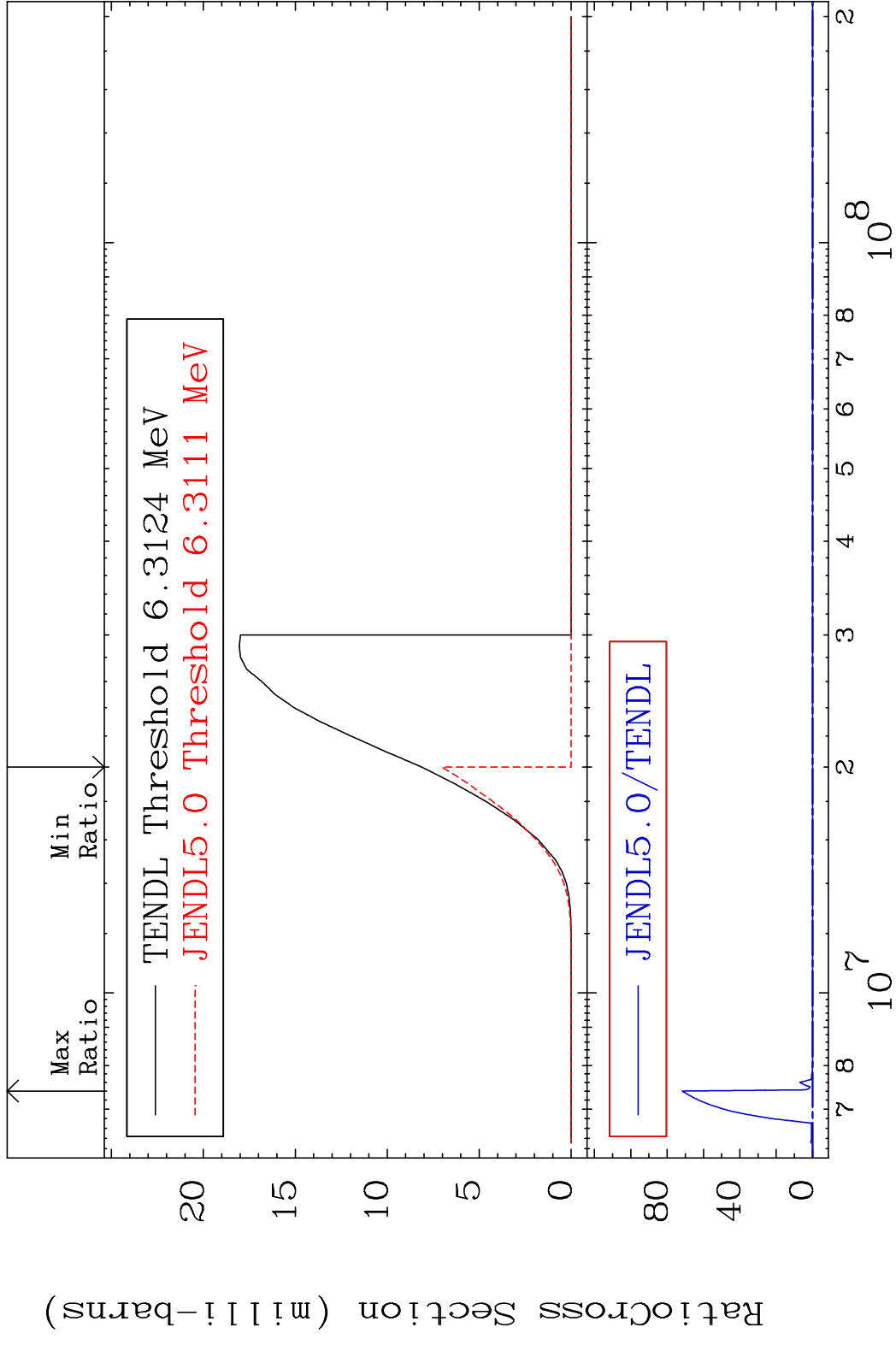
MAT 5031 (n,p):49-In-114g 50-Sn-114
 Radionuclide Production Cross Section 1800.0 dth 7125. %

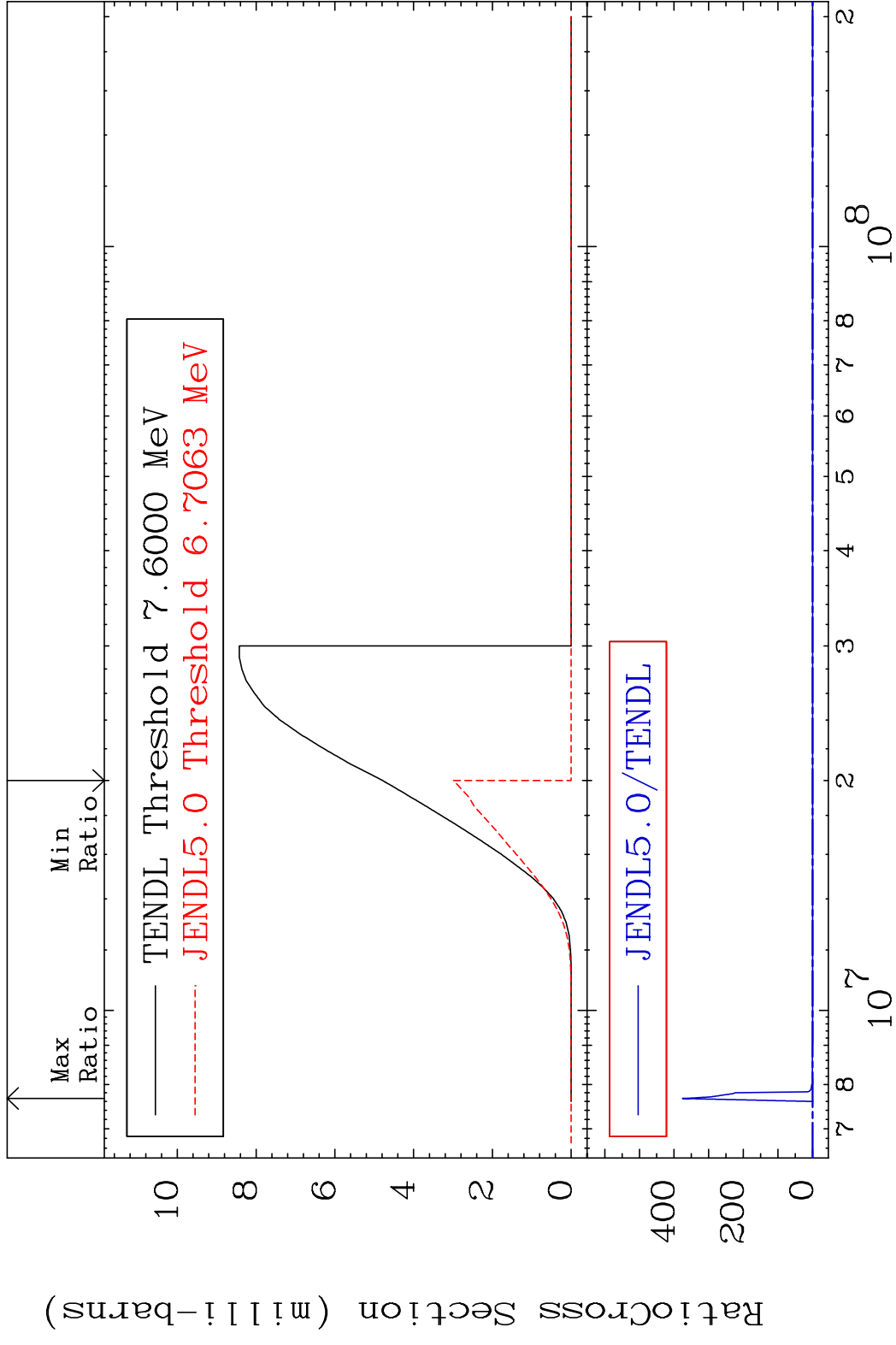


MAT 5031 (n, p): 49-In-114m1 50-Sn-114
 Radionuclide Production Cross Section 18000 dth 7279. %

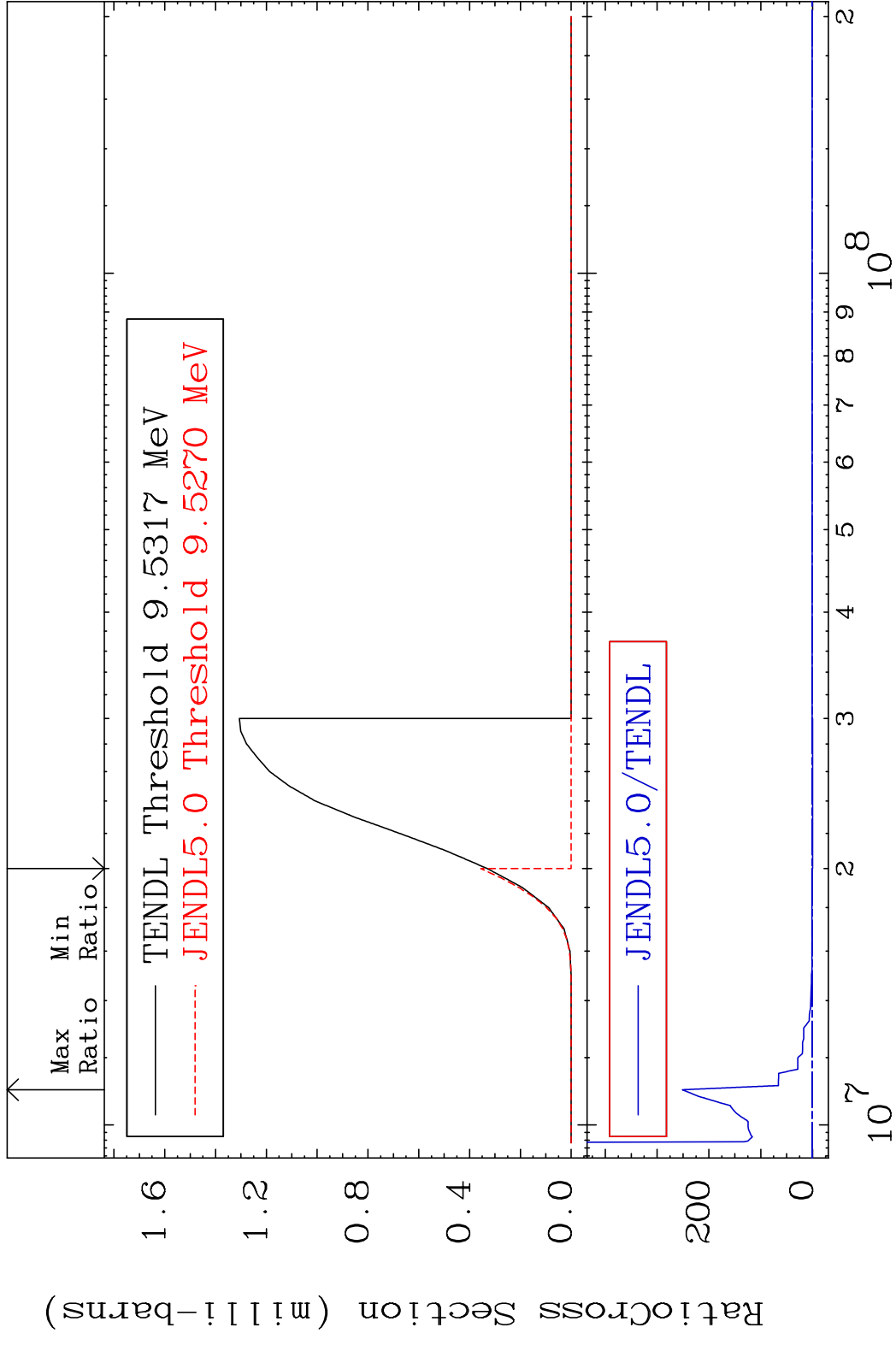


MAT 5031 (n,d):49-In-113g 50-Sn-114
 Radionuclide Production Cross Section 100.00 to 9999.00 %



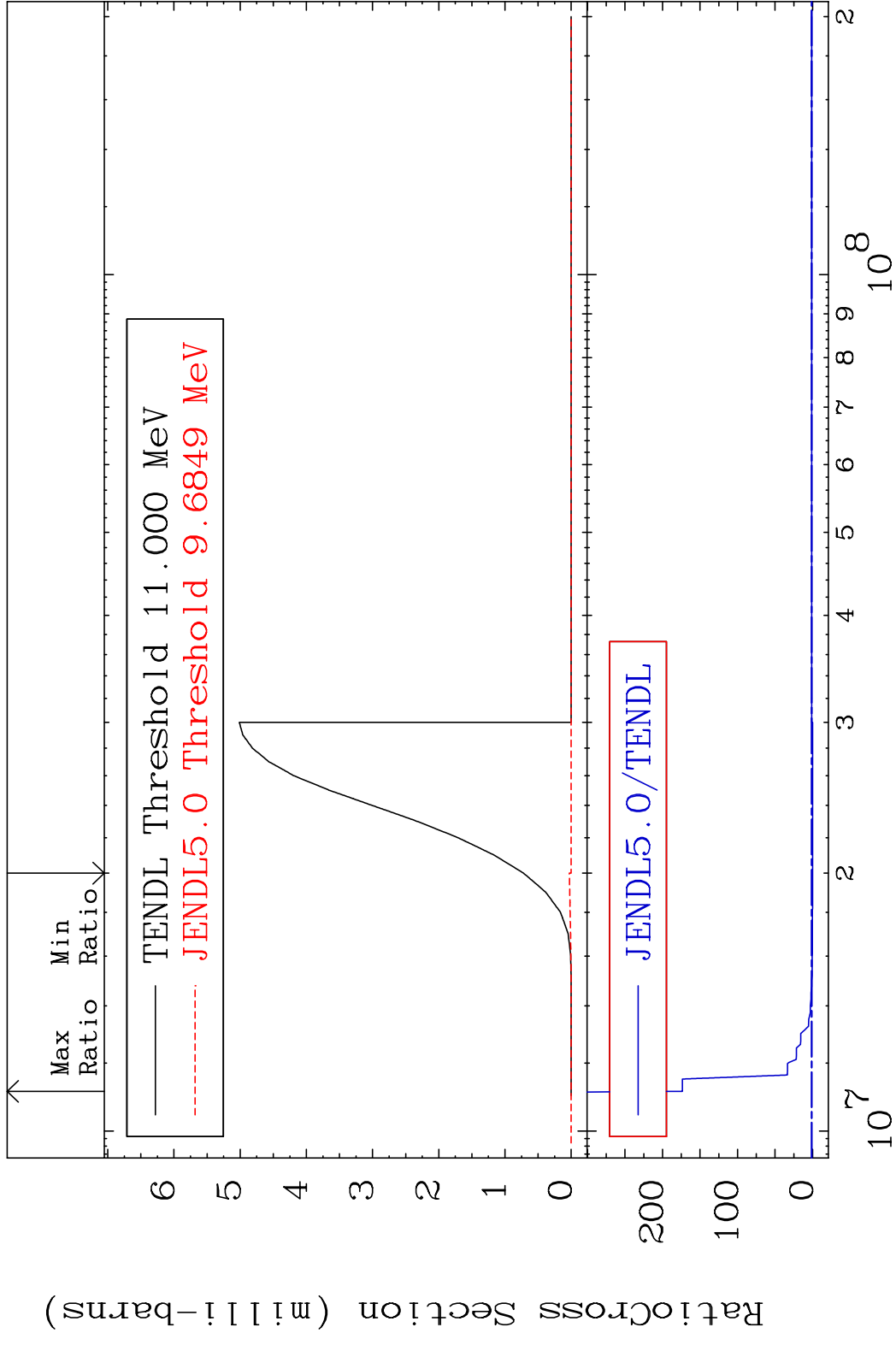


MAT 5031 (n, t): 49-In-112g 50-Sn-114
 Radionuclide Production Cross Section 100.00 dth 9999. %



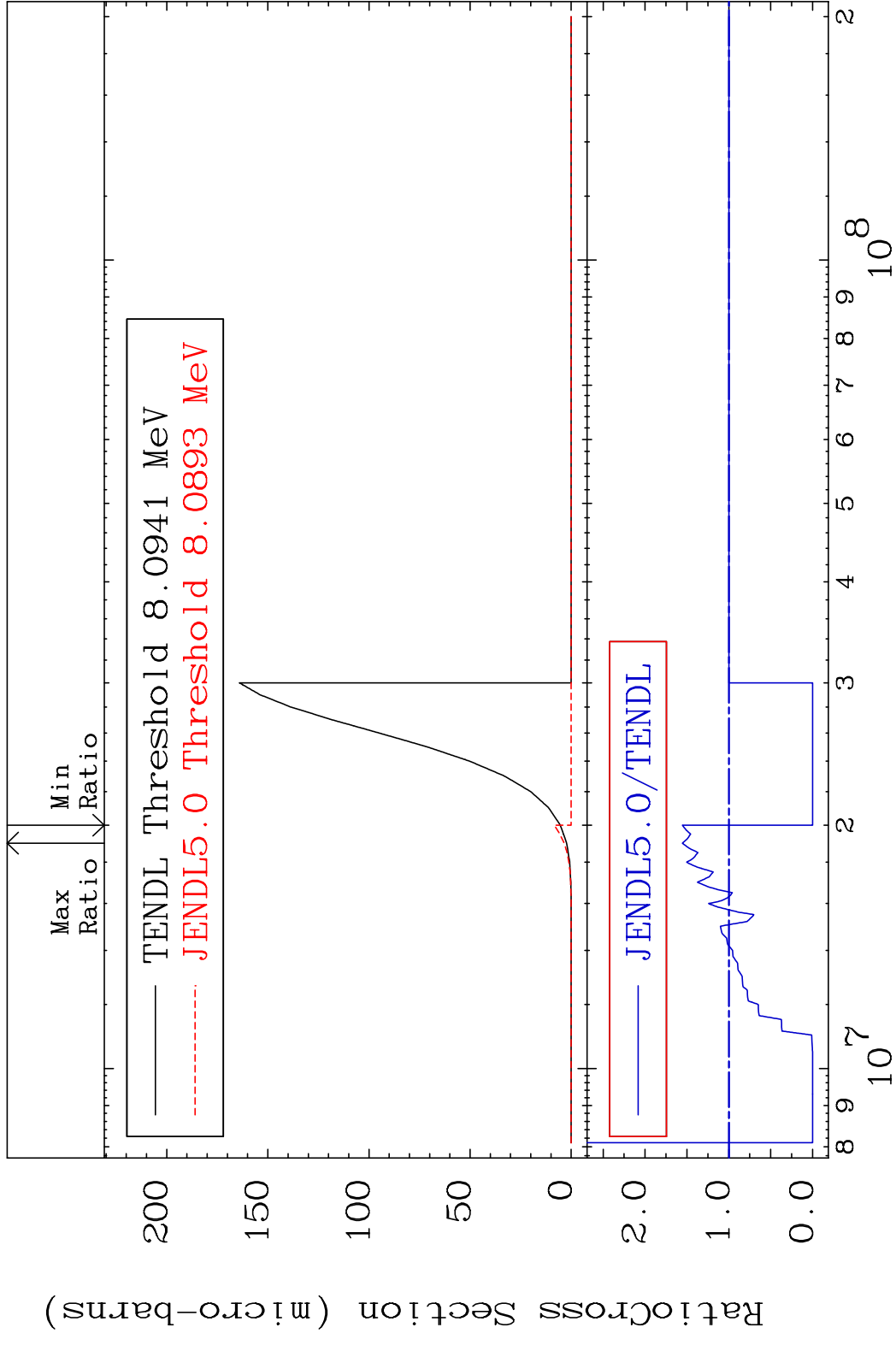
65 Incident Energy (eV) 50-Sn-114

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

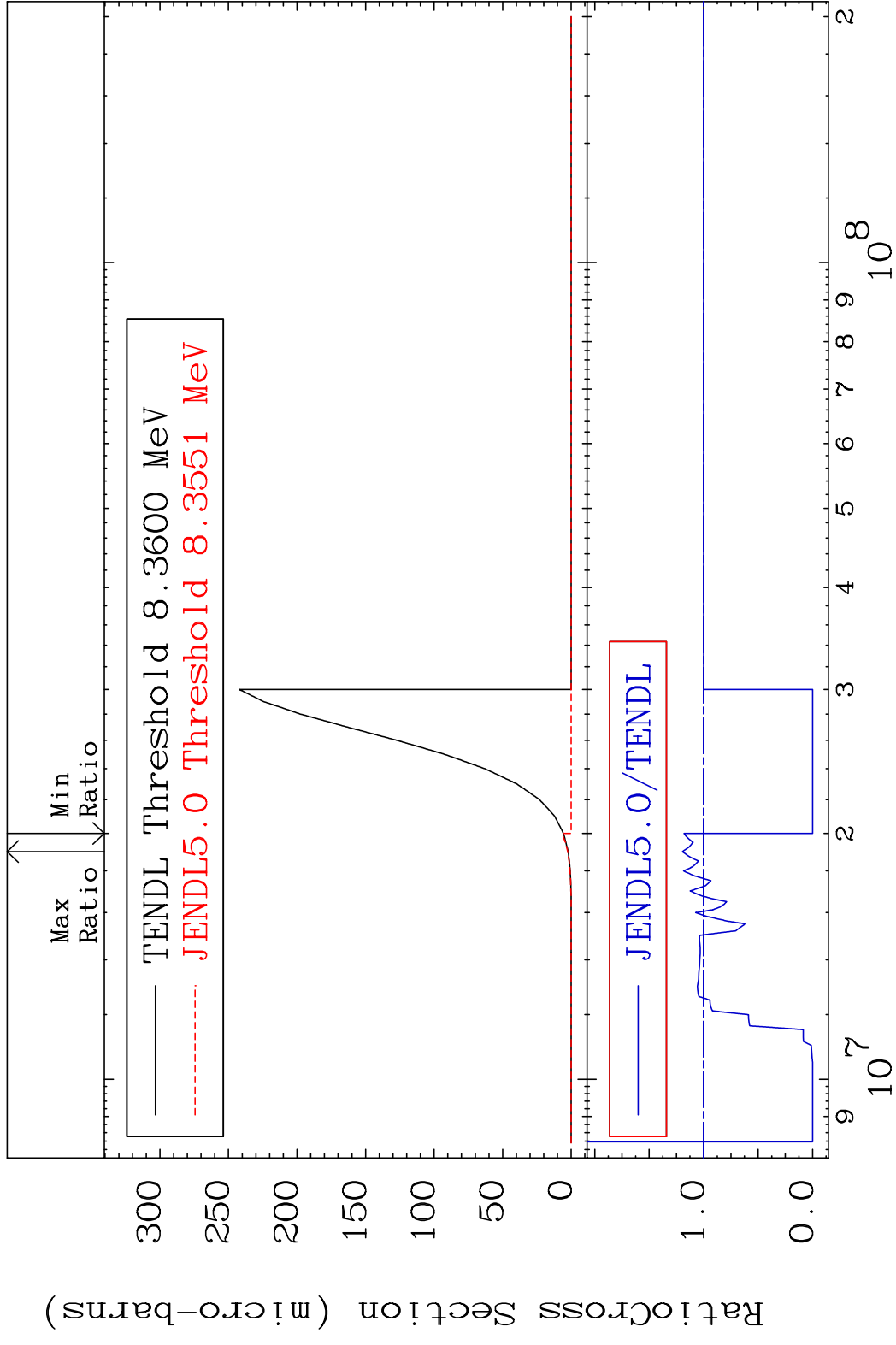


66 Incident Energy (eV) 50-Sn-114

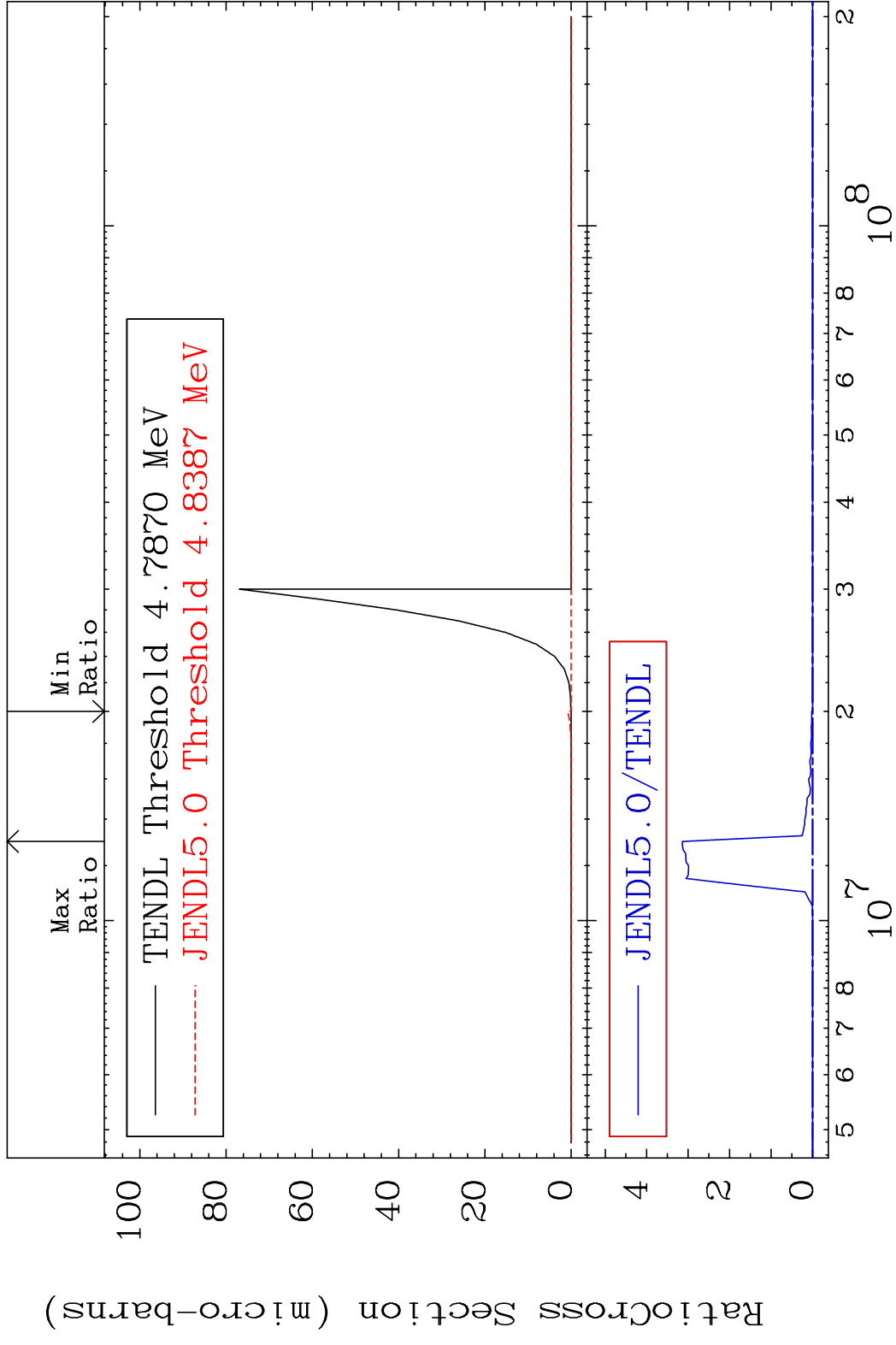
MAT 5031 (n,2p):48-Cd-113g 50-Sn-114
 Radionuclide Production Cross Section 180.0 mb 55.47 %



MAT 5031 (n, 2p) : 48-Cd-113m1 50-Sn-114
 Radionuclide Production Cross Section 180.0 mb 19.54 %



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



69 Incident Energy (eV) 50-Sn-114

MAT 5031 (n, p) α :47-Ag-110m2 50-Sn-114
 Radionuclide Production Cross Section 100.00% 9999. %

