

Program Complot
(Version 2021-1)

by

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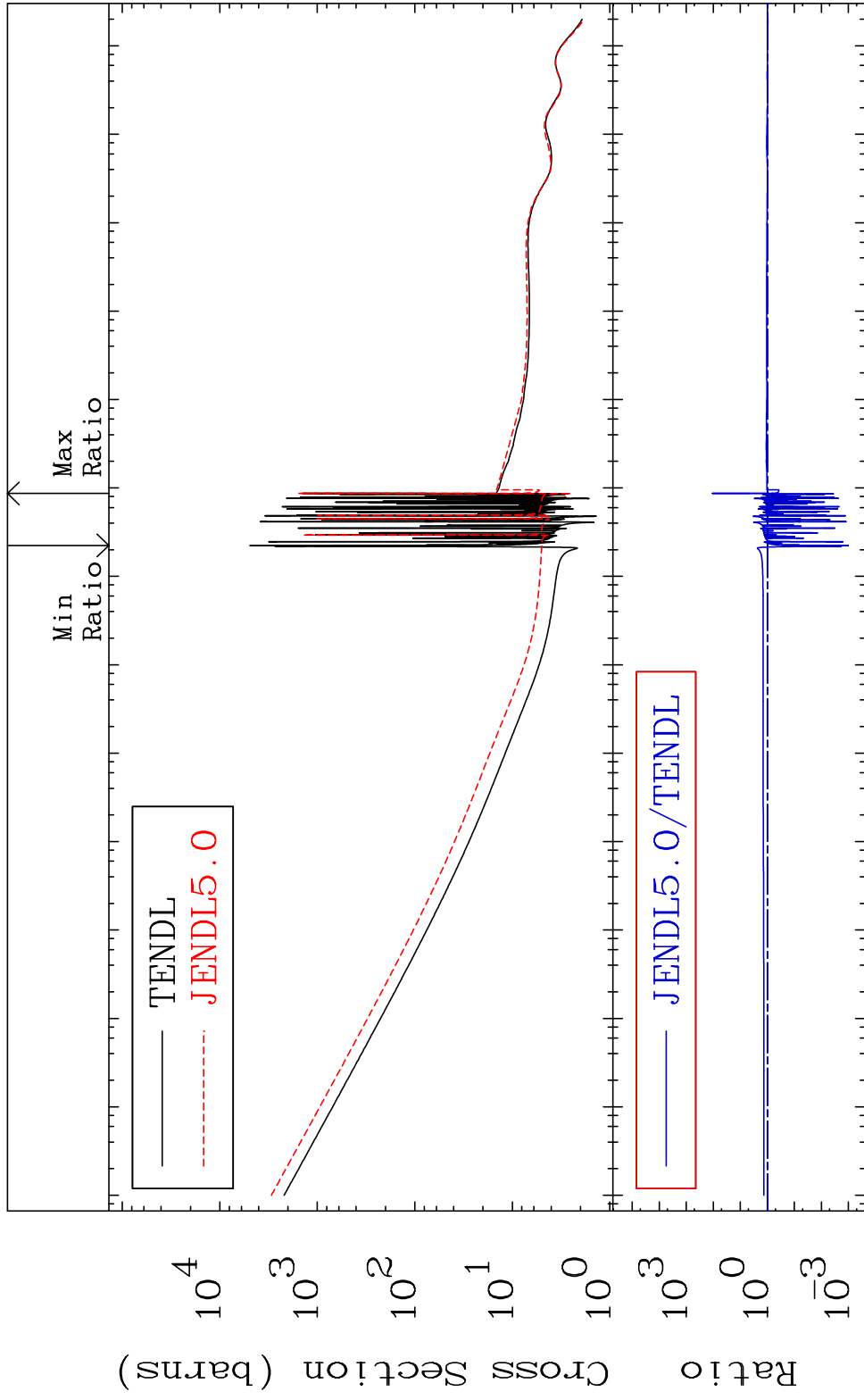
Press Mouse Button to Start

MAT 5034

Total

50-Sn-115

Cross Section -99.90 To 9999. %



1

Incident Energy (eV)

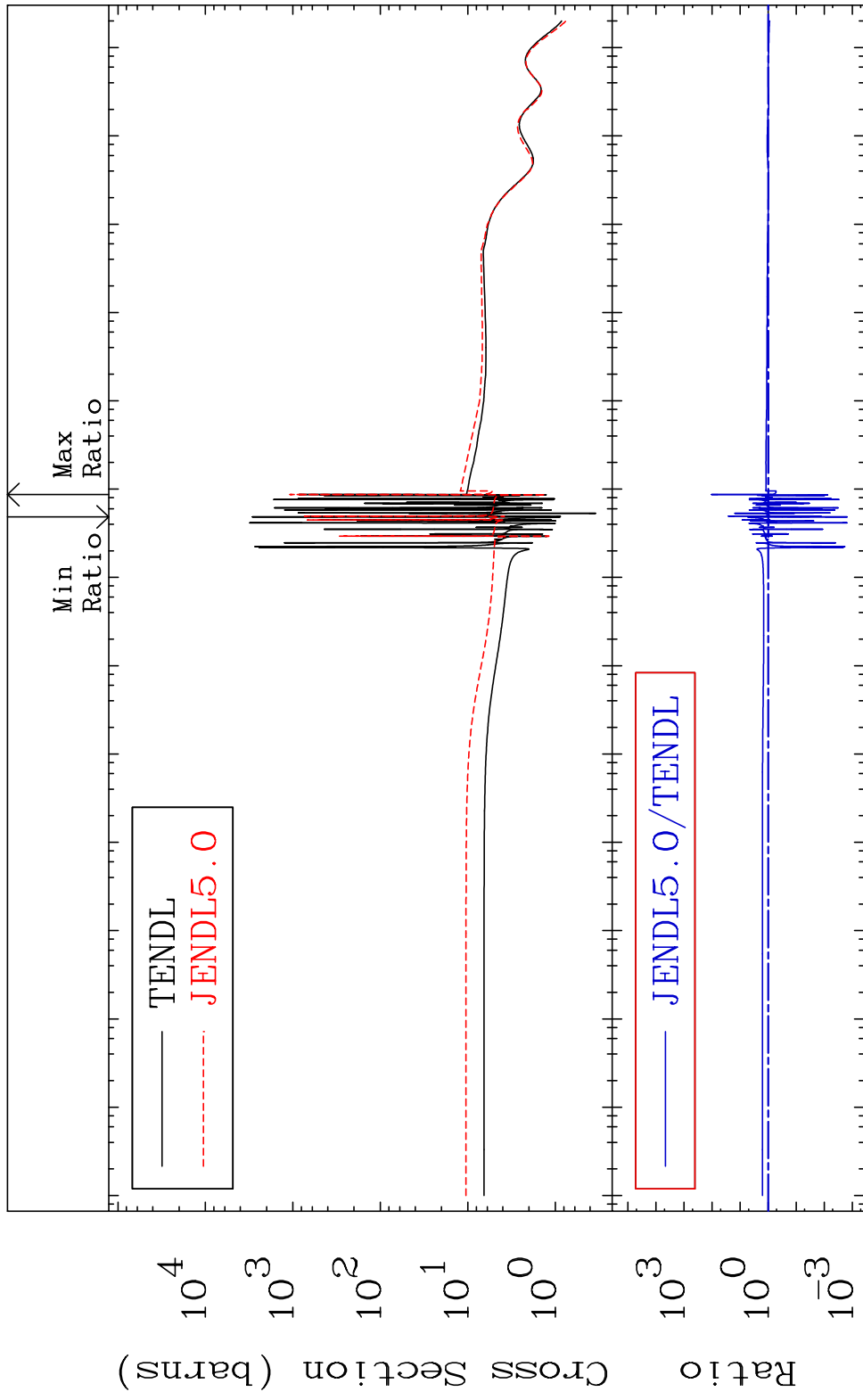
50-Sn-115

MAT 5034

Elastic

50-Sn-115

Cross Section -99.85 To 9999. %

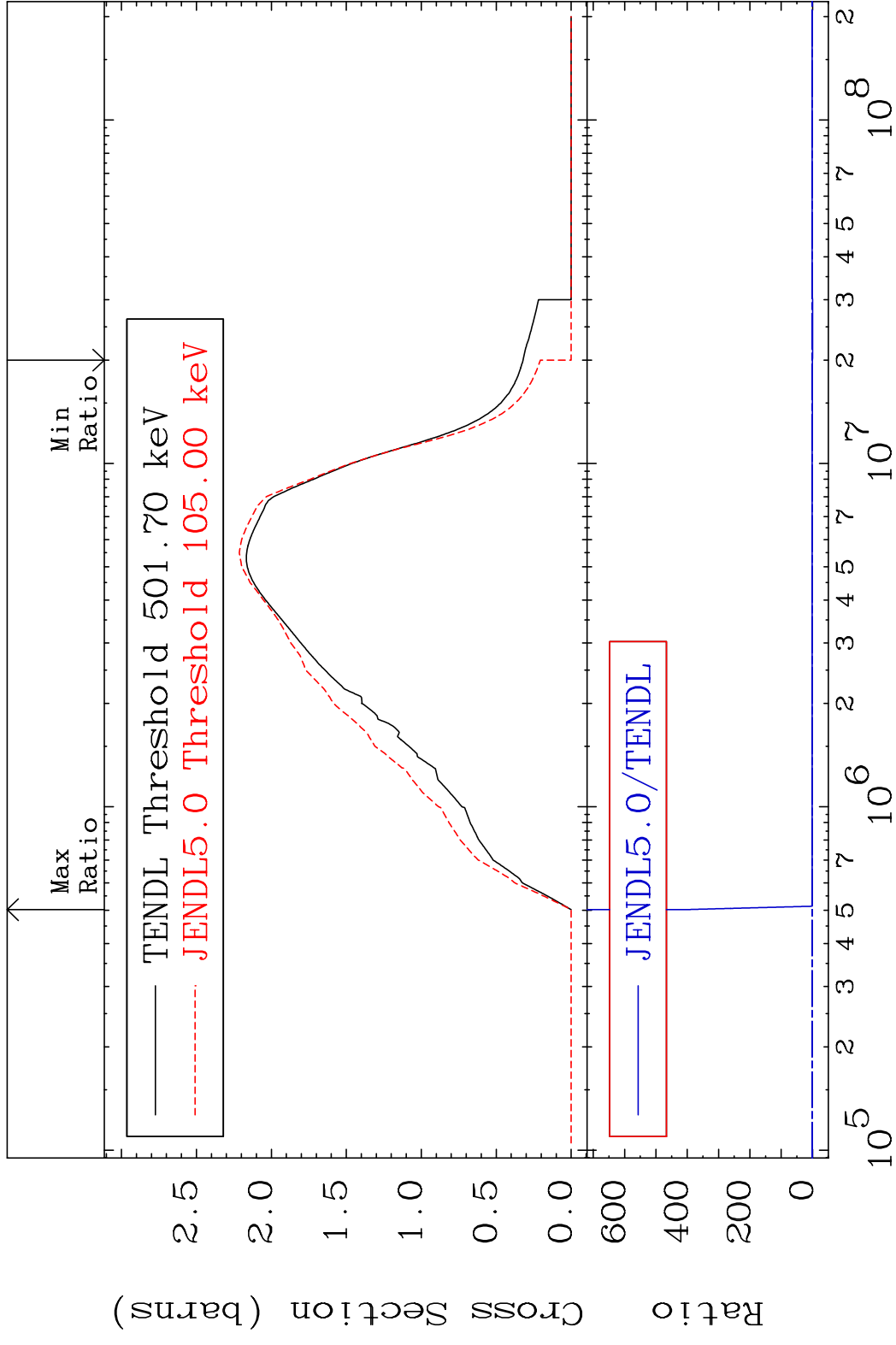


2

Incident Energy (eV)

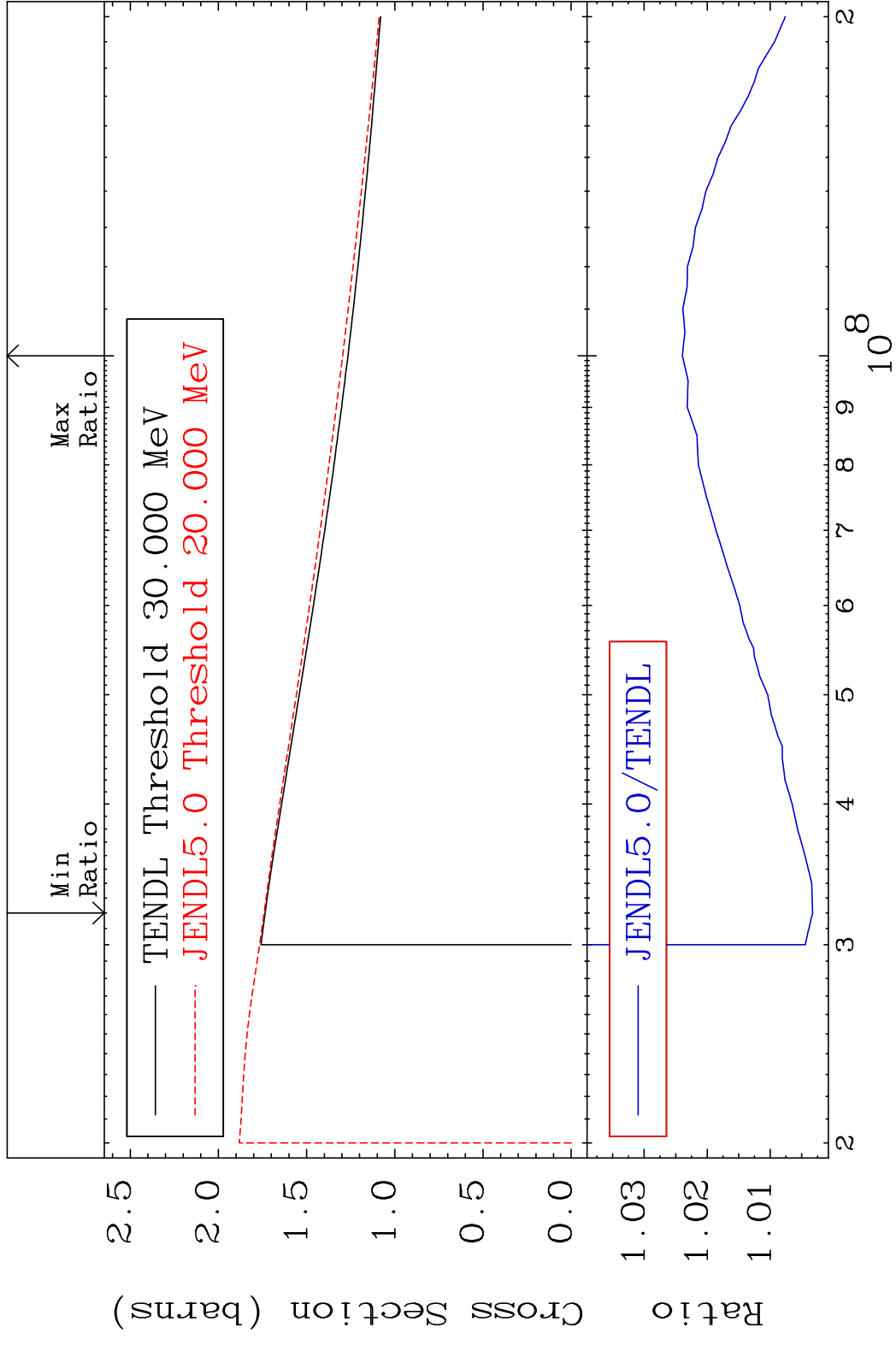
50-Sn-115

MAT 5034 Inelastic Cross Section -100.0 To 9999. % 50-Sn-115



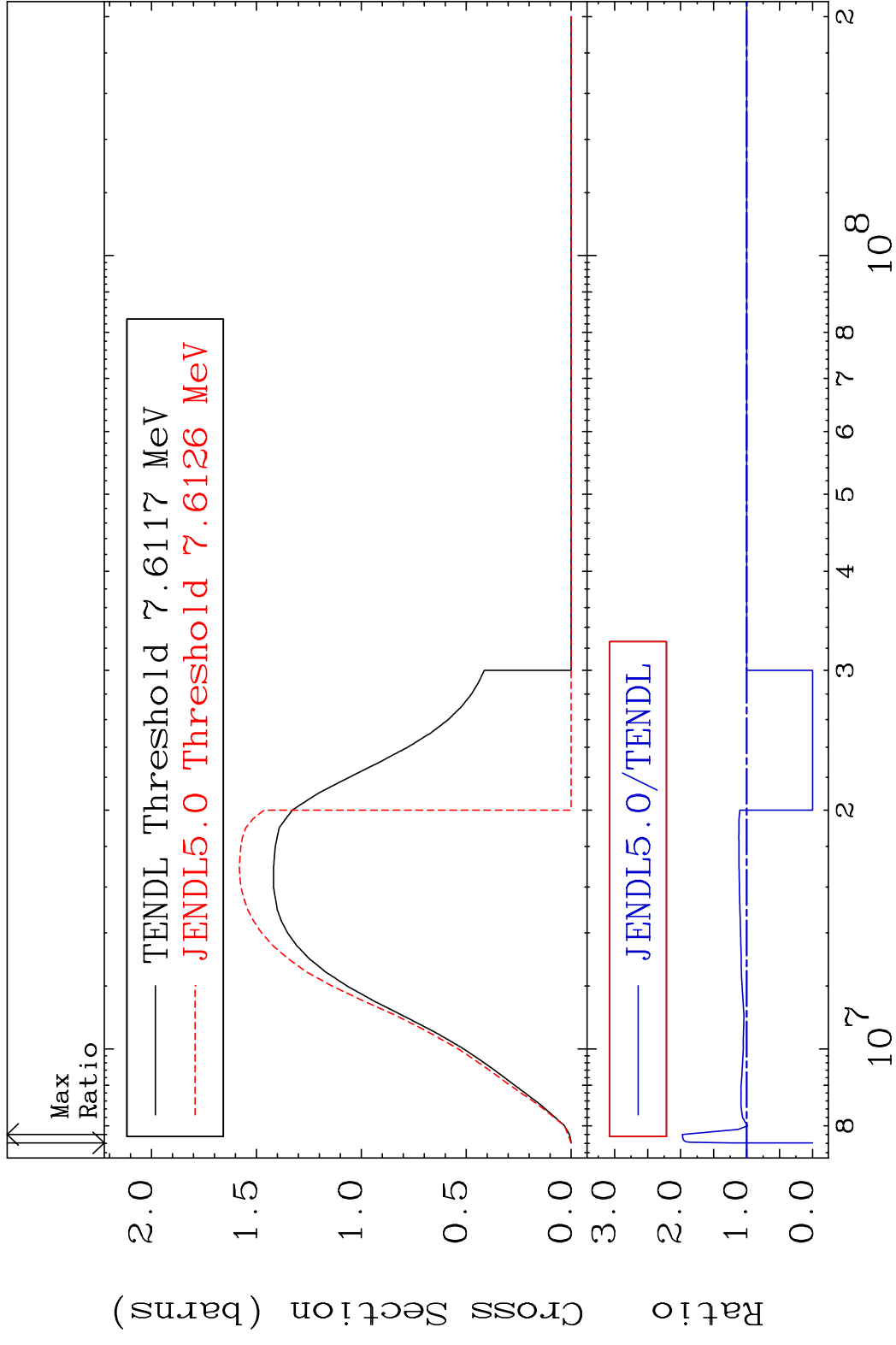
3 50-Sn-115

MAT 5034 (n, remainder) 50-Sn-115
 Cross Section 0.329 To 2.394 %



4 Incident Energy (eV) 50-Sn-115

MAT 5034 (n,2n) 50-Sn-115
 Cross Section -100.0 To 97.39 %



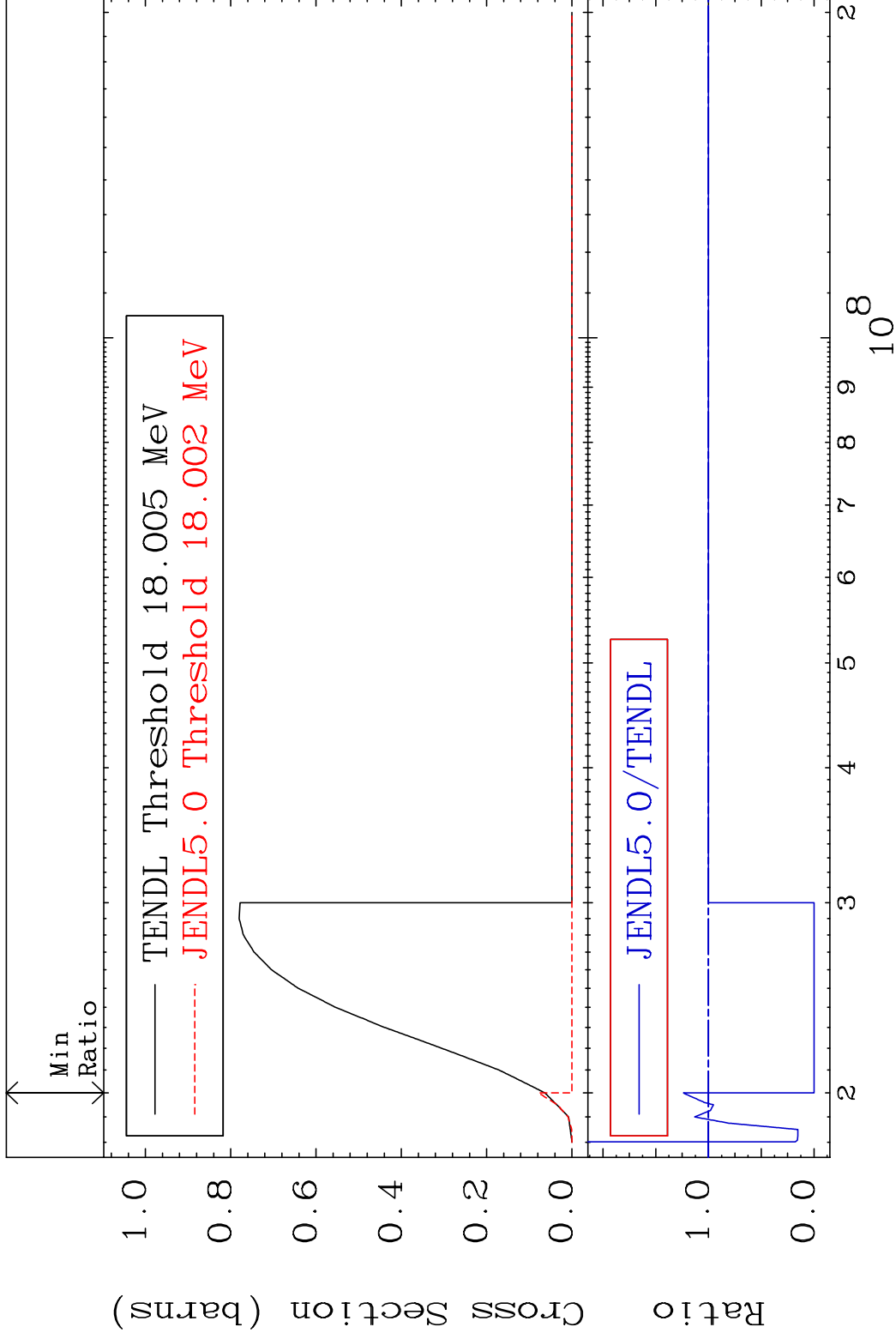
5 50-Sn-115

MAT 5034

(n,3n)

50-Sn-115

Cross Section -100.0 To 23.76 %

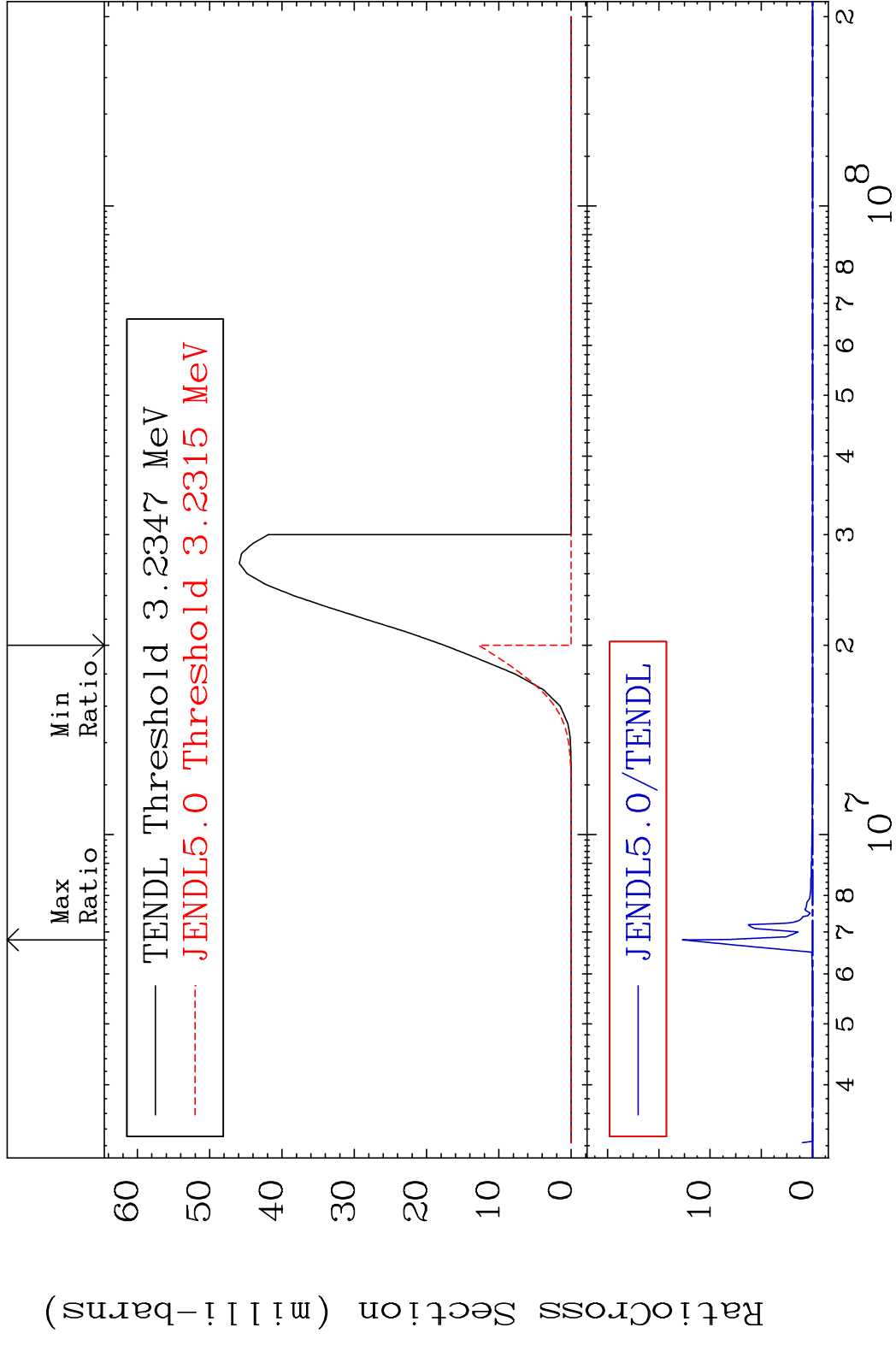


6

Incident Energy (eV)

50-Sn-115

MAT 5034 (n, n') α 50-Sn-115
 Cross Section -100.0 To 9999. %



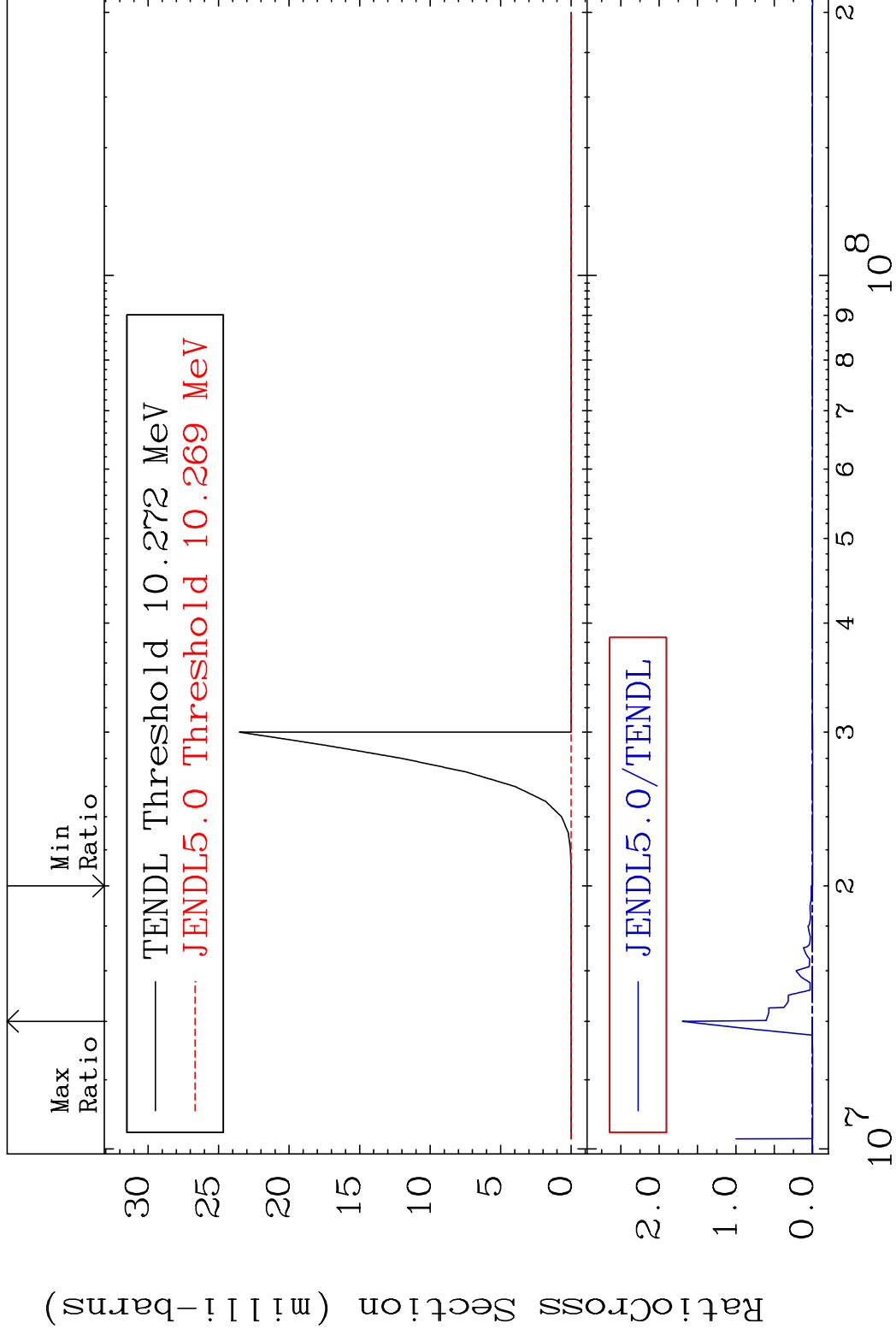
7 Incident Energy (eV) 50-Sn-115

MAT 5034

(n,2n) α

50-Sn-115

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

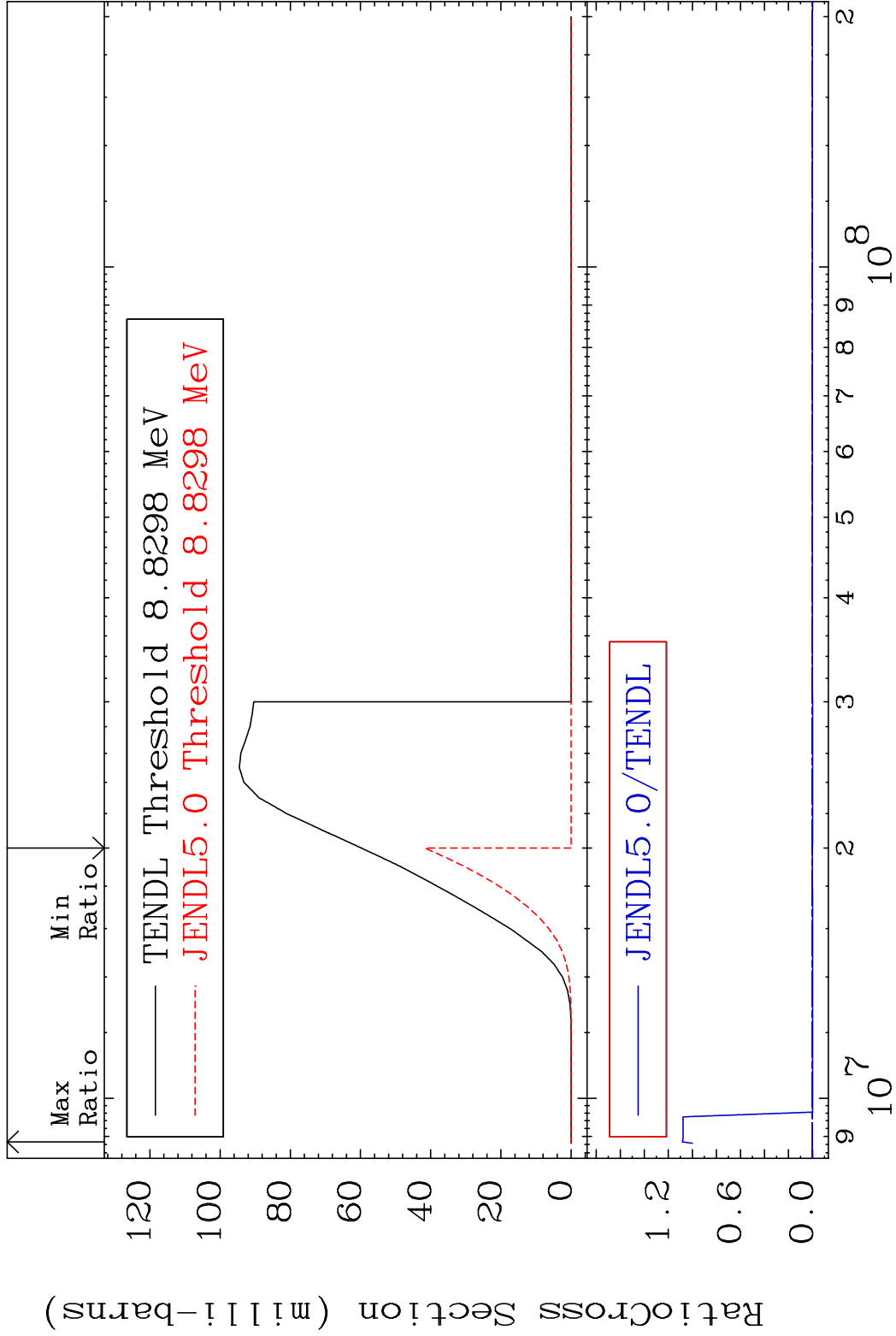
50-Sn-115

MAT 5034

(n, n') p

50-Sn-115

Cross Section -100.0 To 9999. %

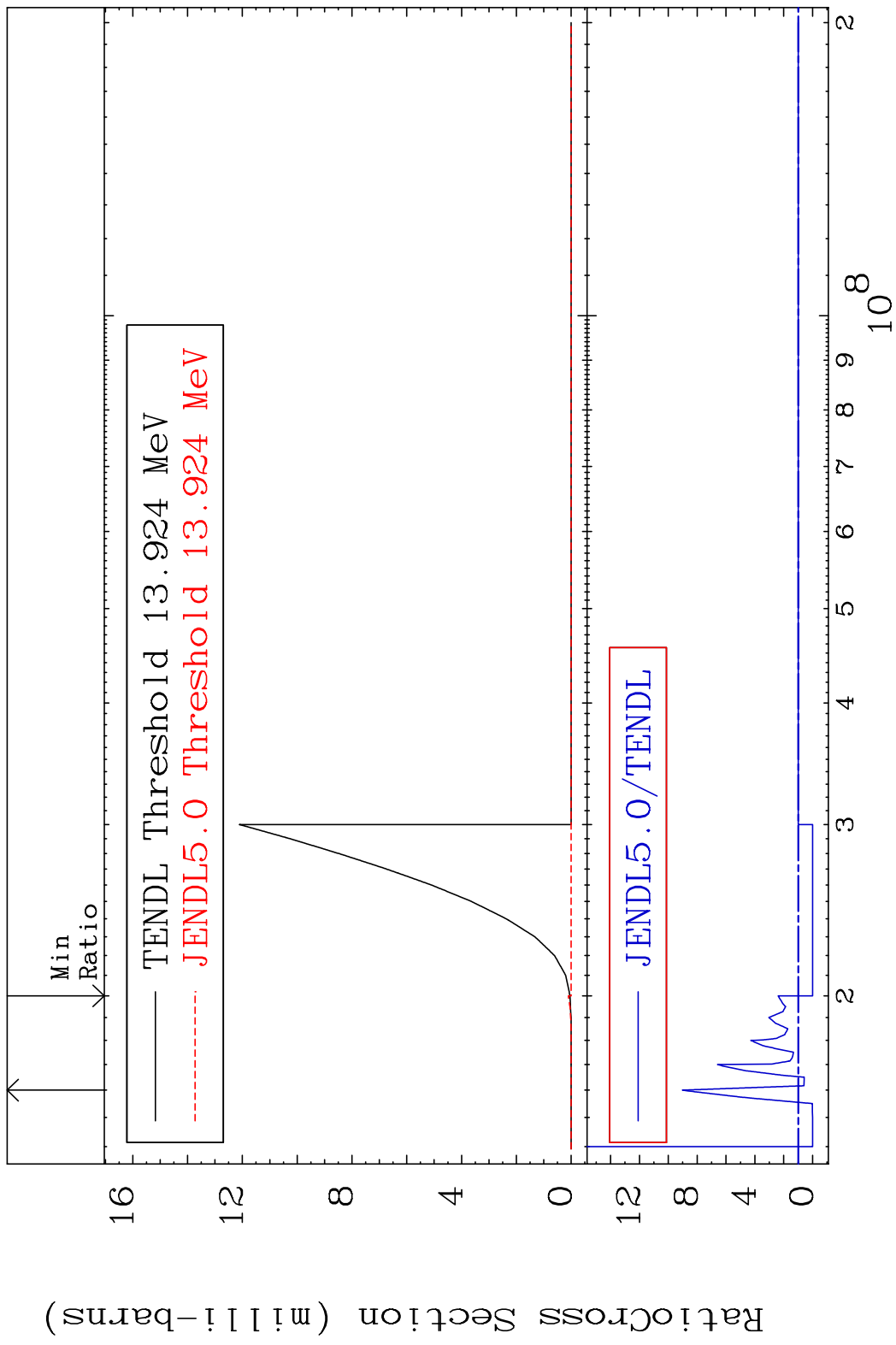


9

Incident Energy (eV)

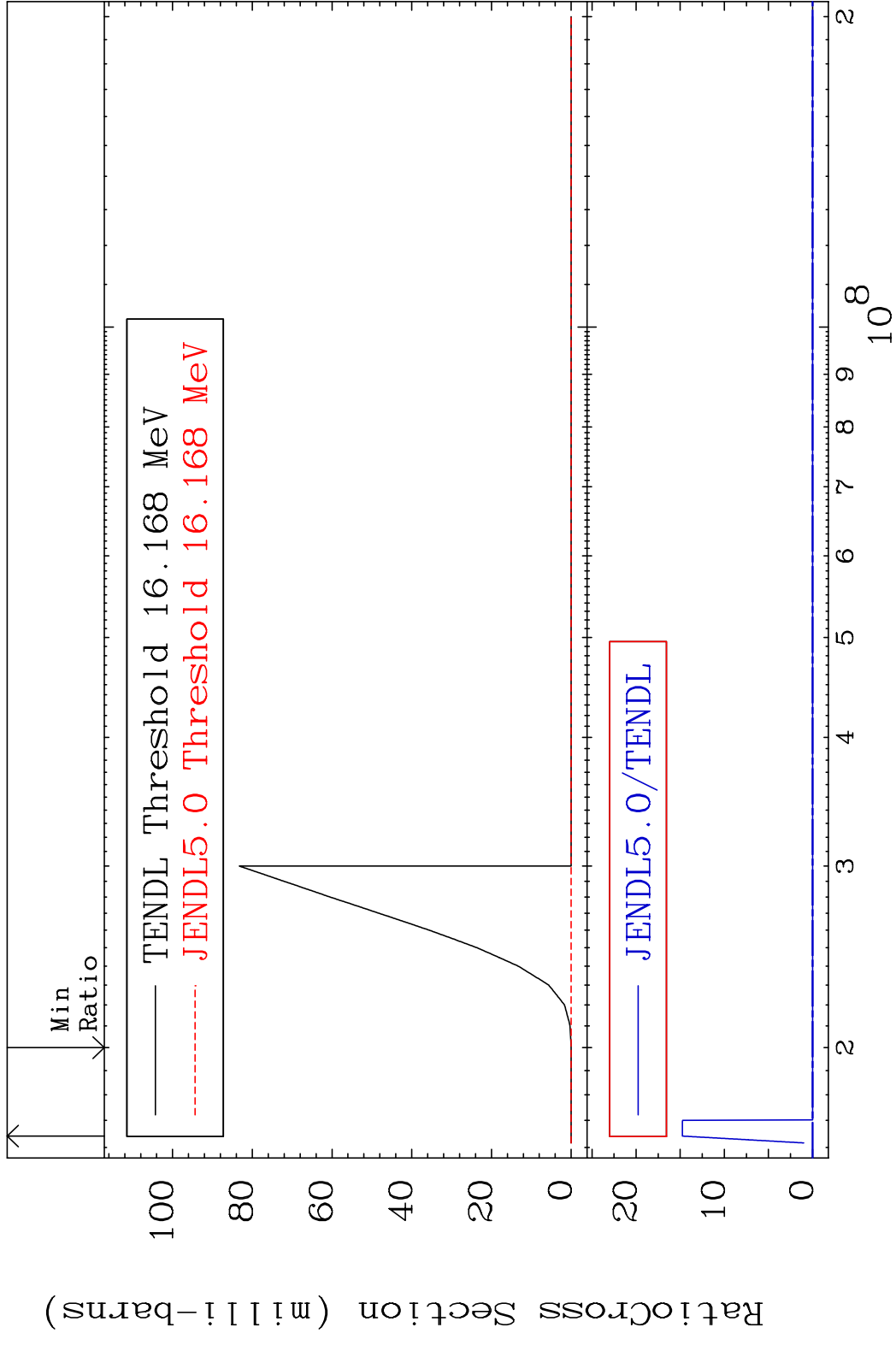
50-Sn-115

MAT 5034 (n, n') d 50-Sn-115
 Cross Section -100.0 To 802.6 %

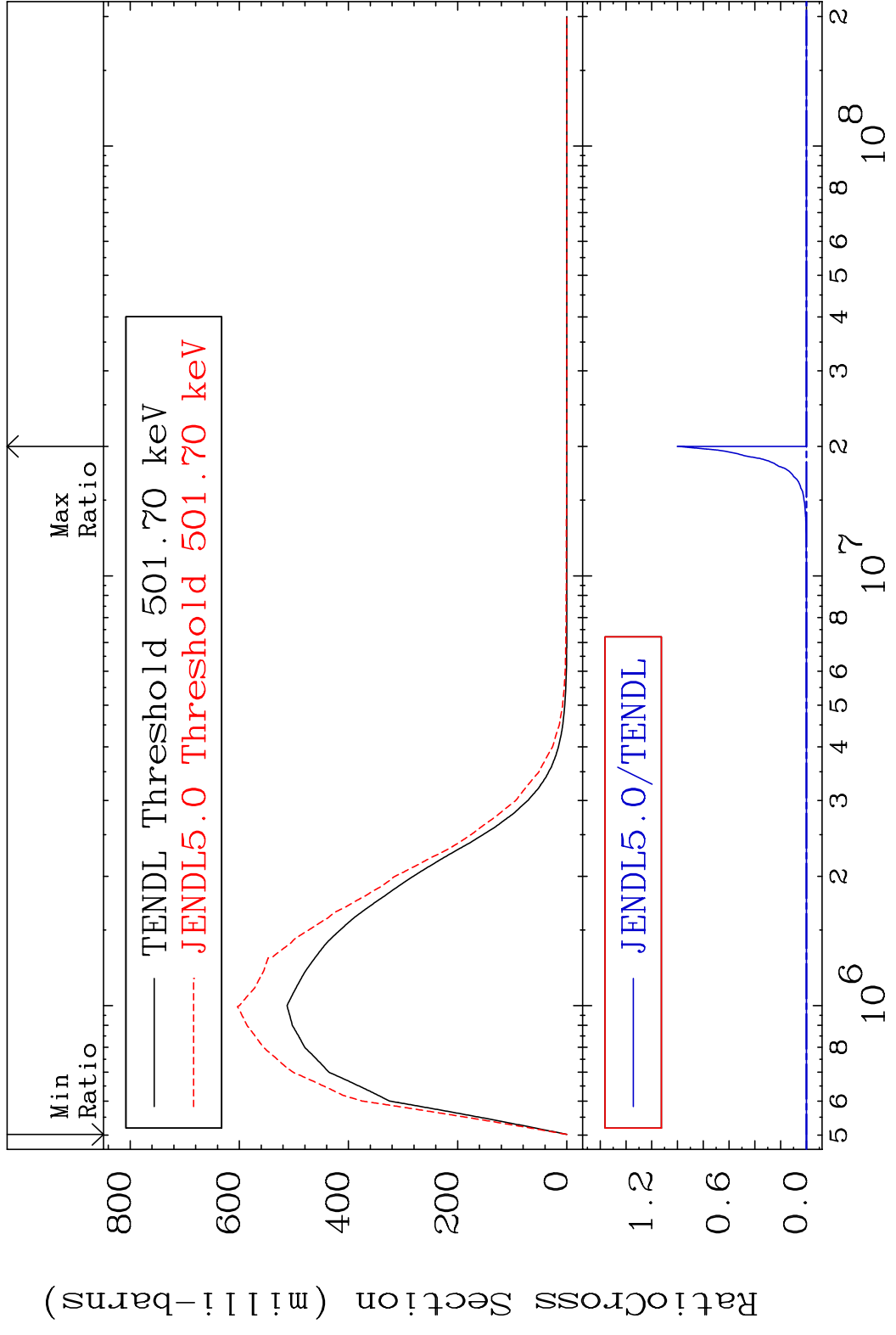


10 Incident Energy (eV) 50-Sn-115

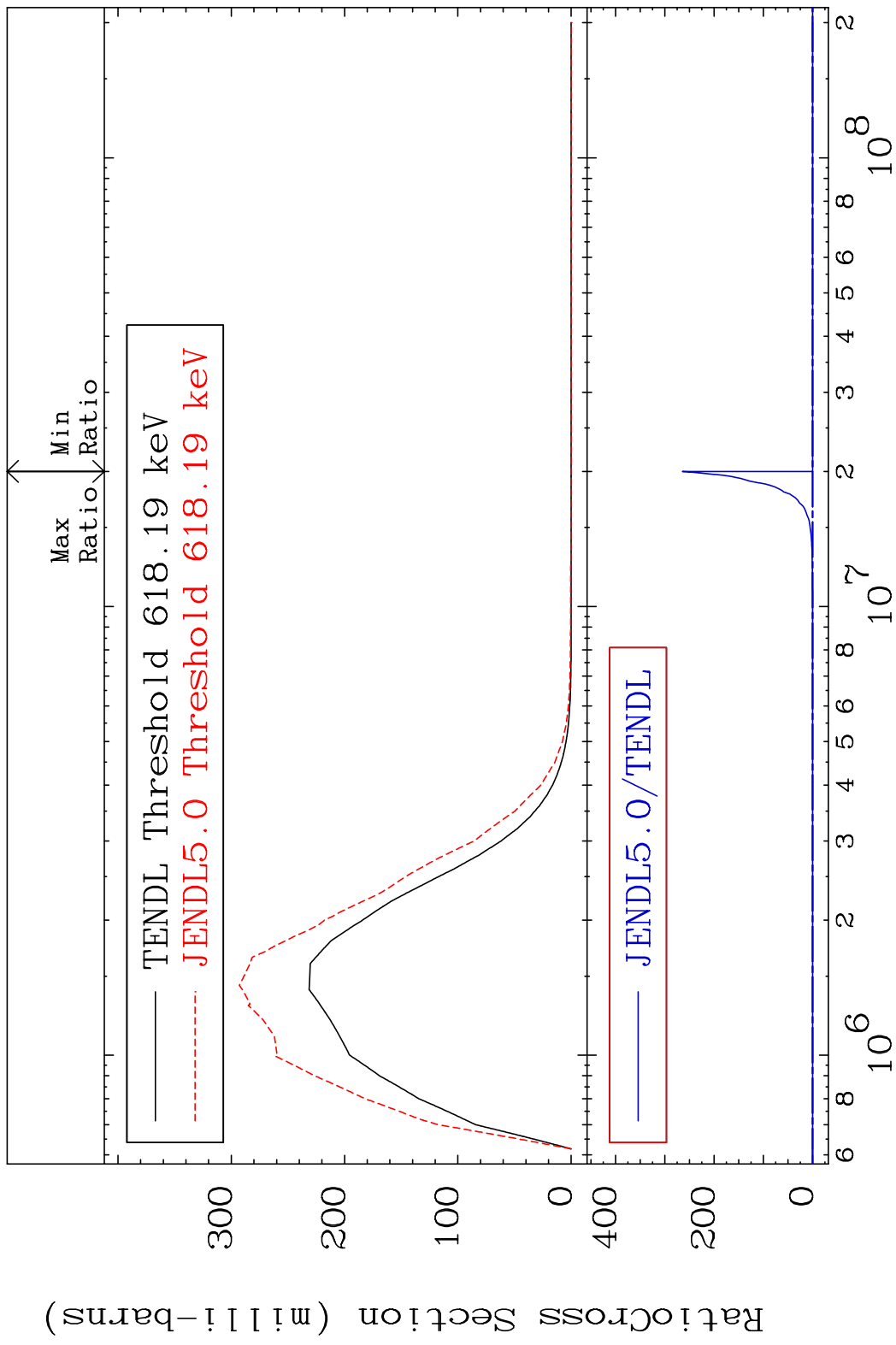
MAT 5034 (n,2n) p 50-Sn-115
 Cross Section -100.0 To 9999. %



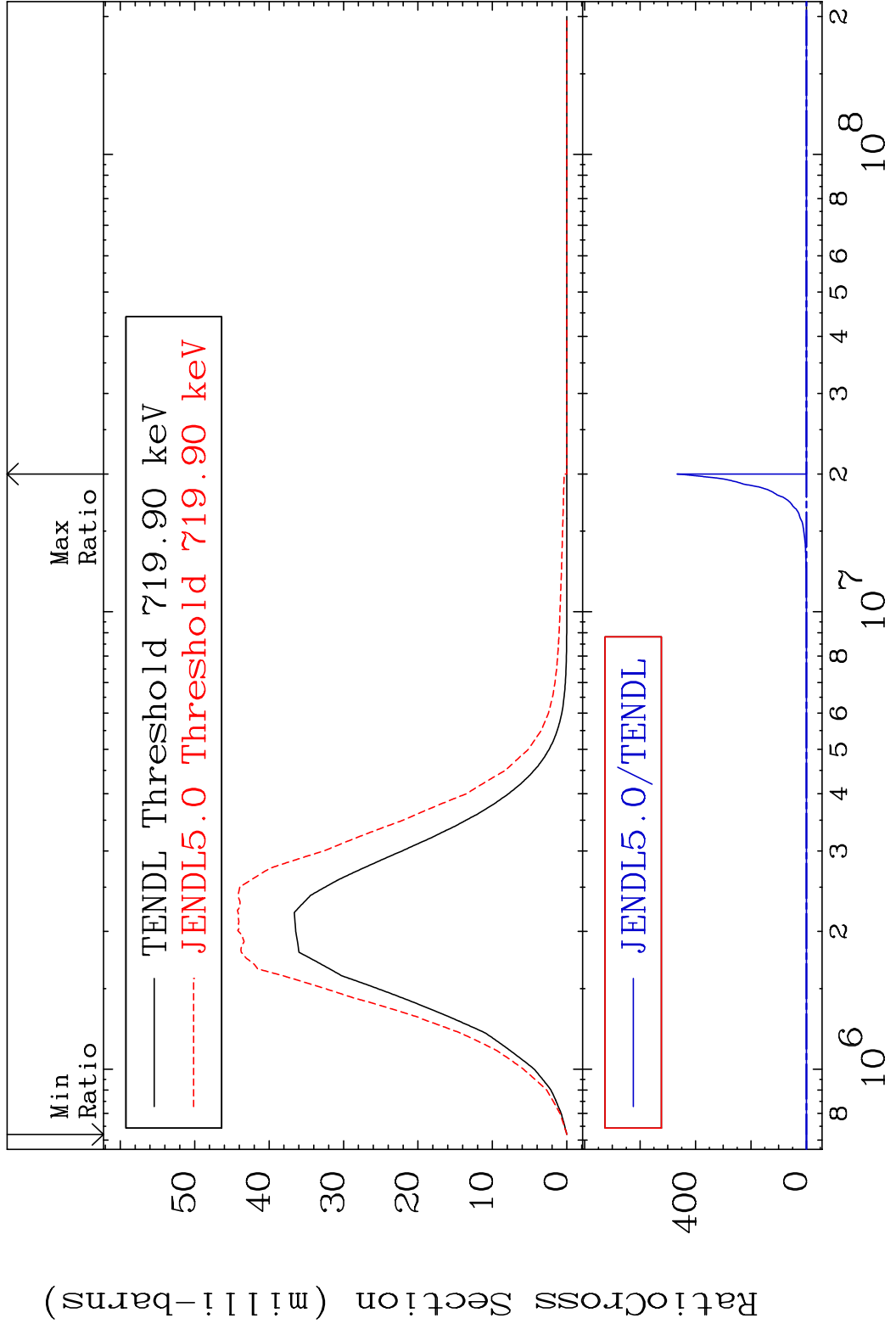
MAT 5034 MT= 51 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



MAT 5034 MT= 52 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %

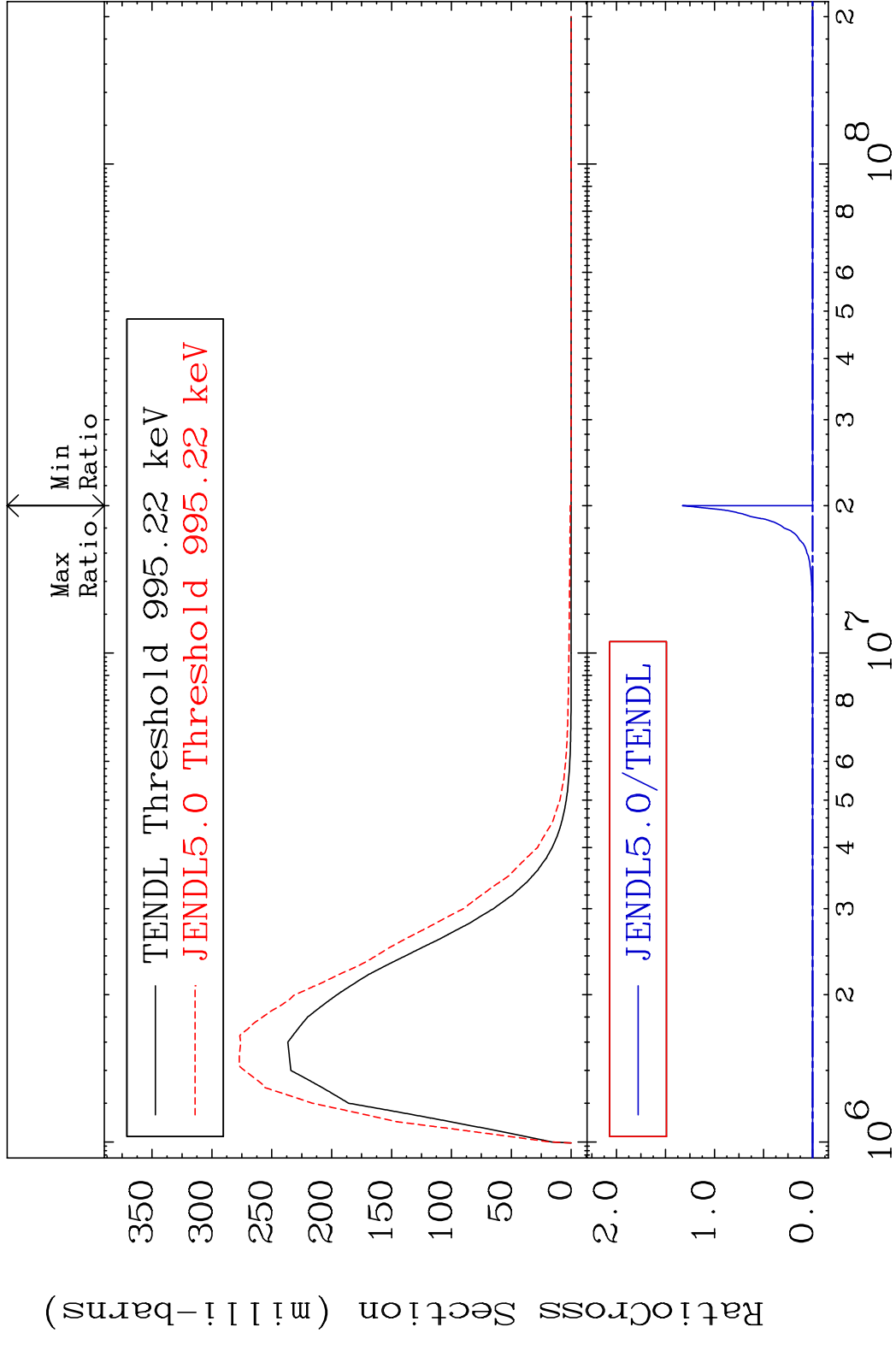


MAT 5034 MT= 53 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



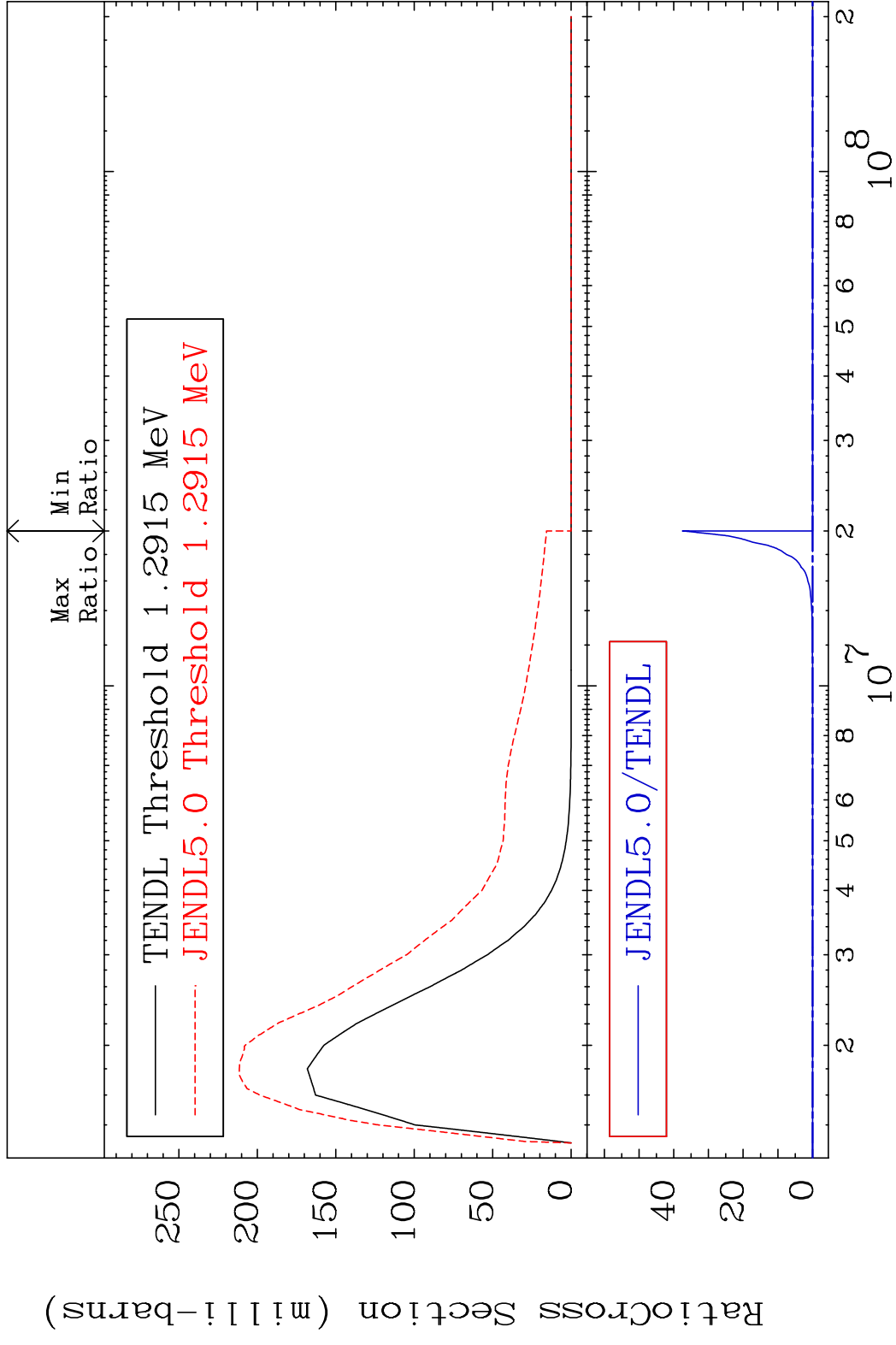
14 Incident Energy (eV) 50-Sn-115

MAT 5034 MT= 54 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %

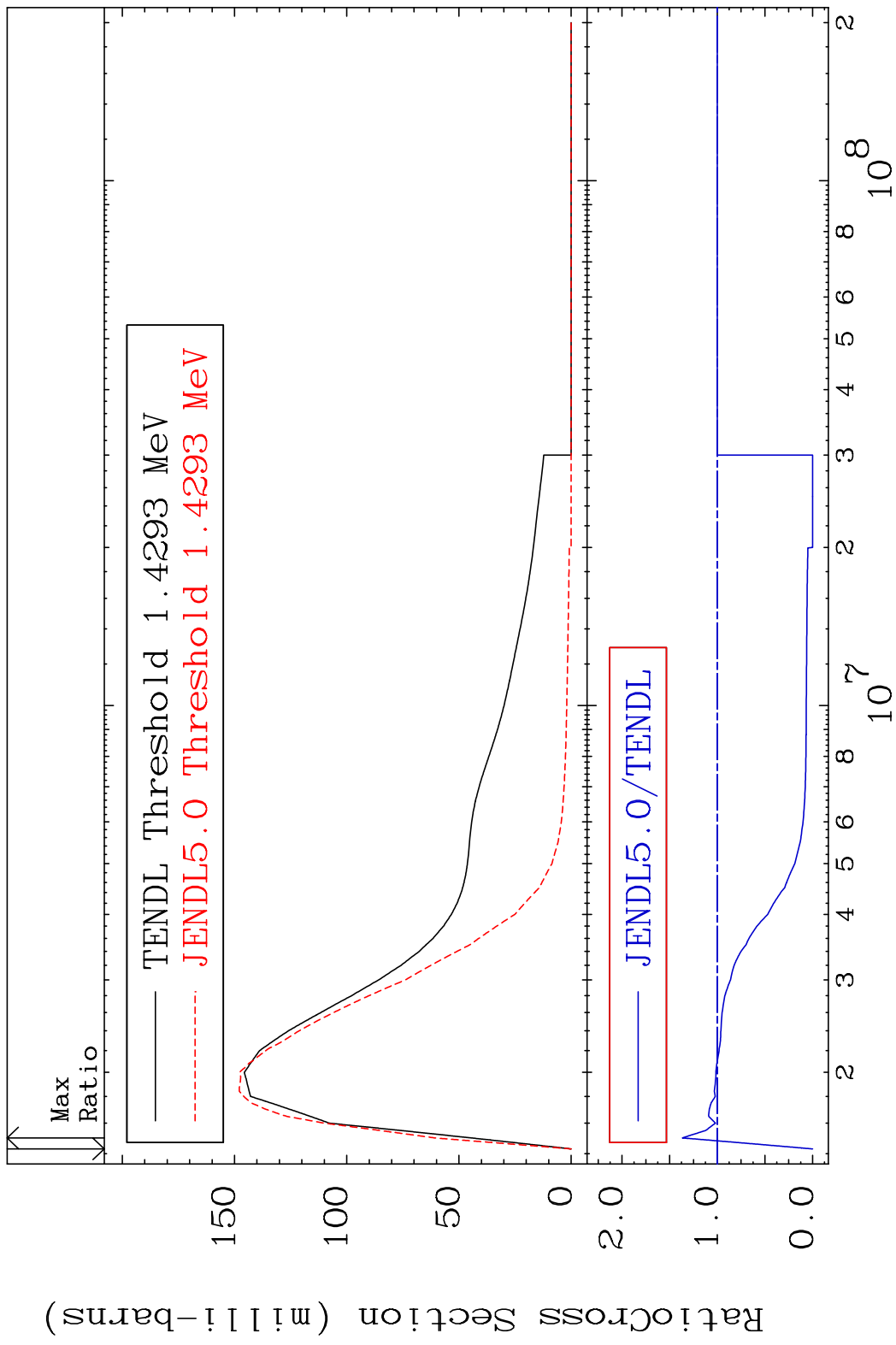


15 Incident Energy (eV) 50-Sn-115

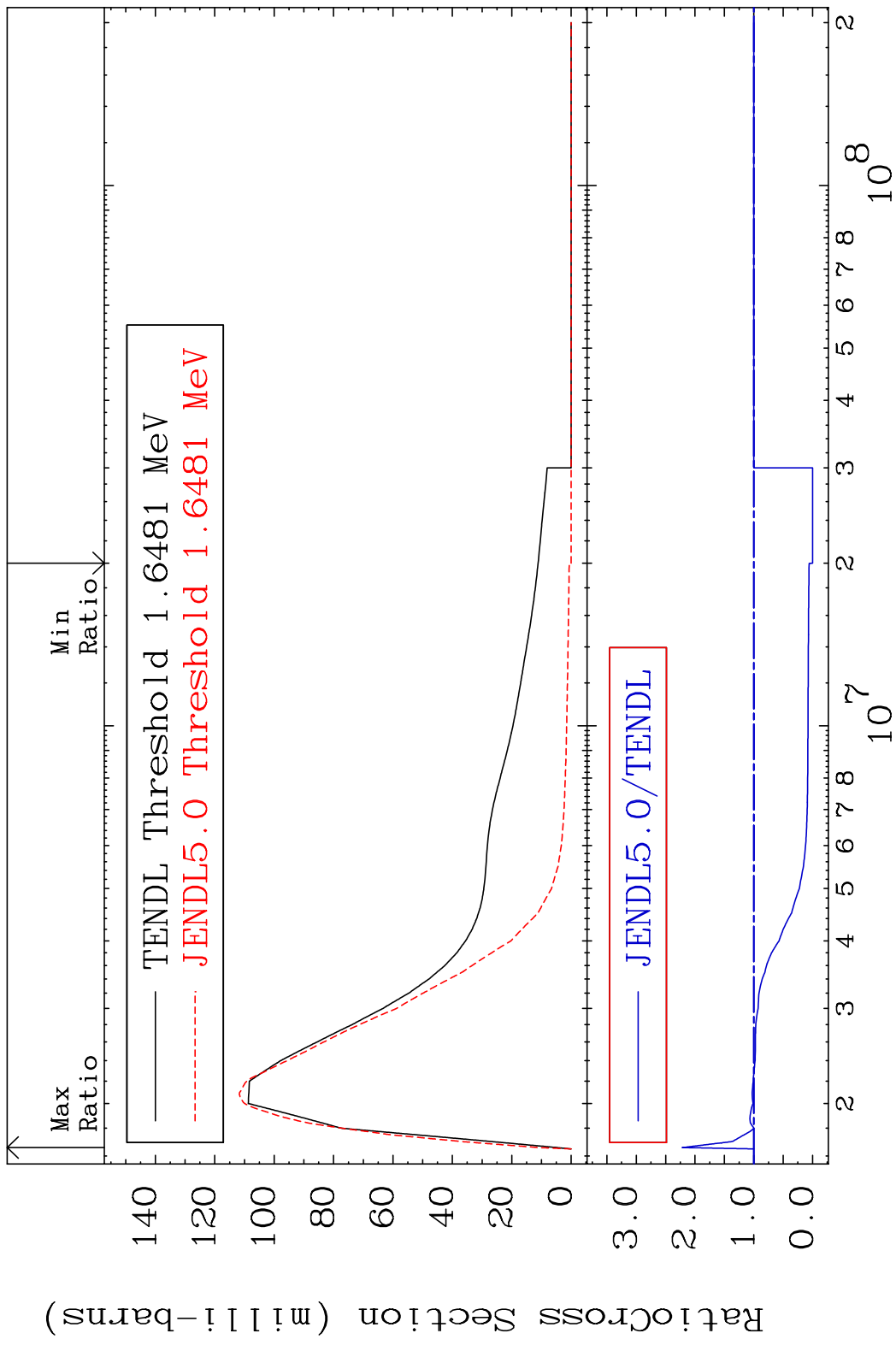
MAT 5034 MT= 55 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



MAT 5034 MT= 56 (n,n') Level 50-Sn-115
 Cross Section -100.0 To 36.67 %

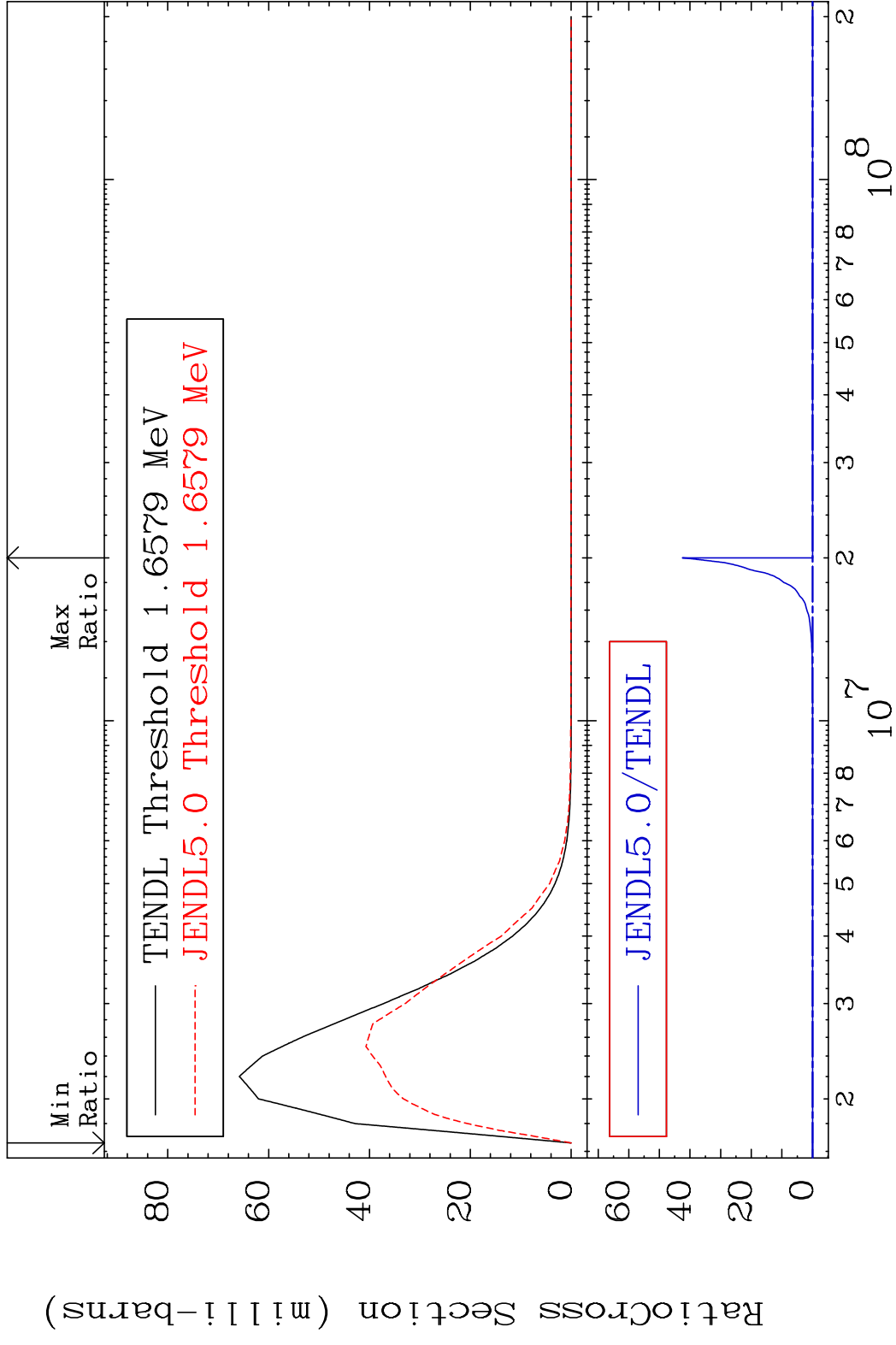


MAT 5034 MT= 57 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 121.6 %

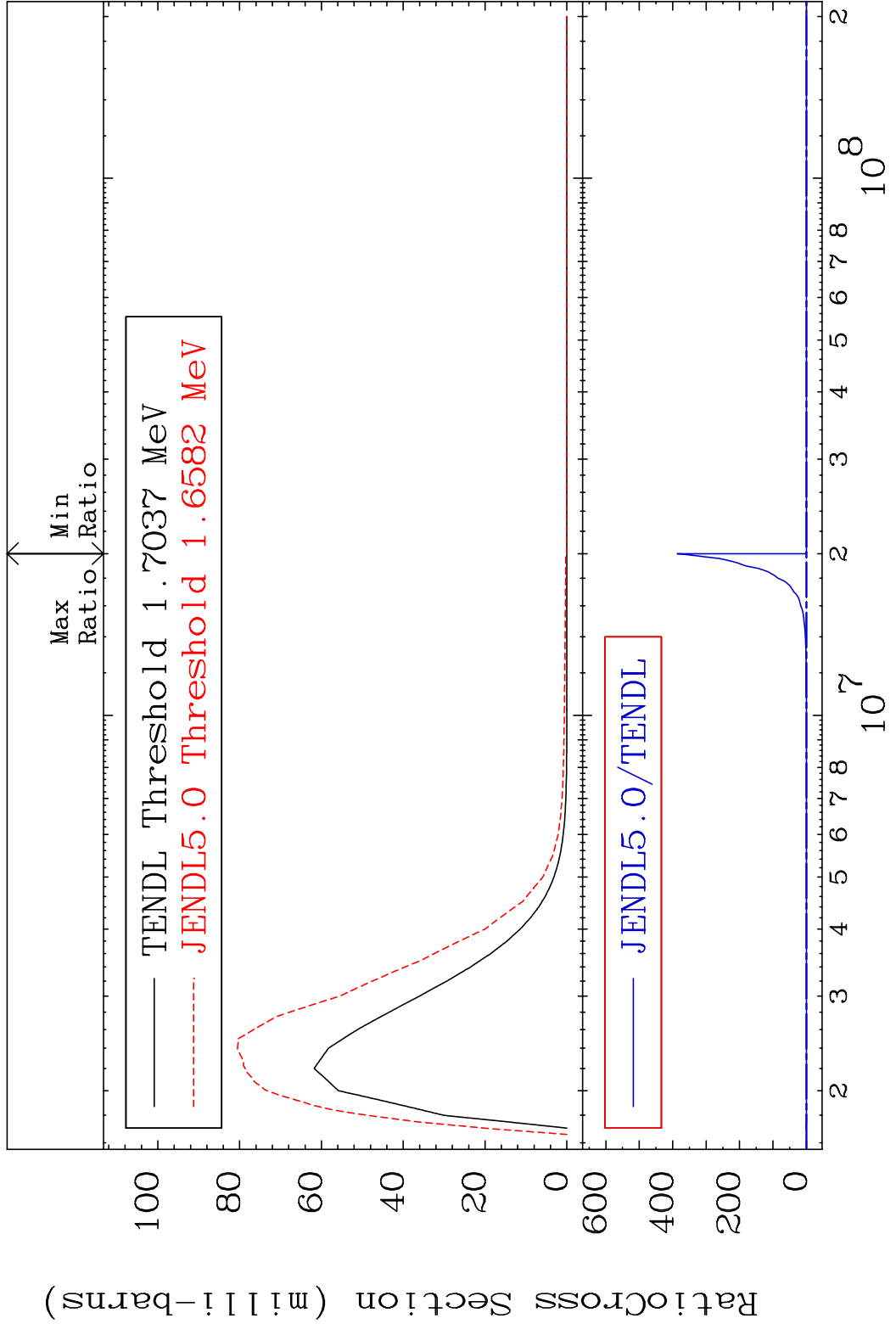


18 Incident Energy (eV) 50-Sn-115

MAT 5034 MT= 58 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %

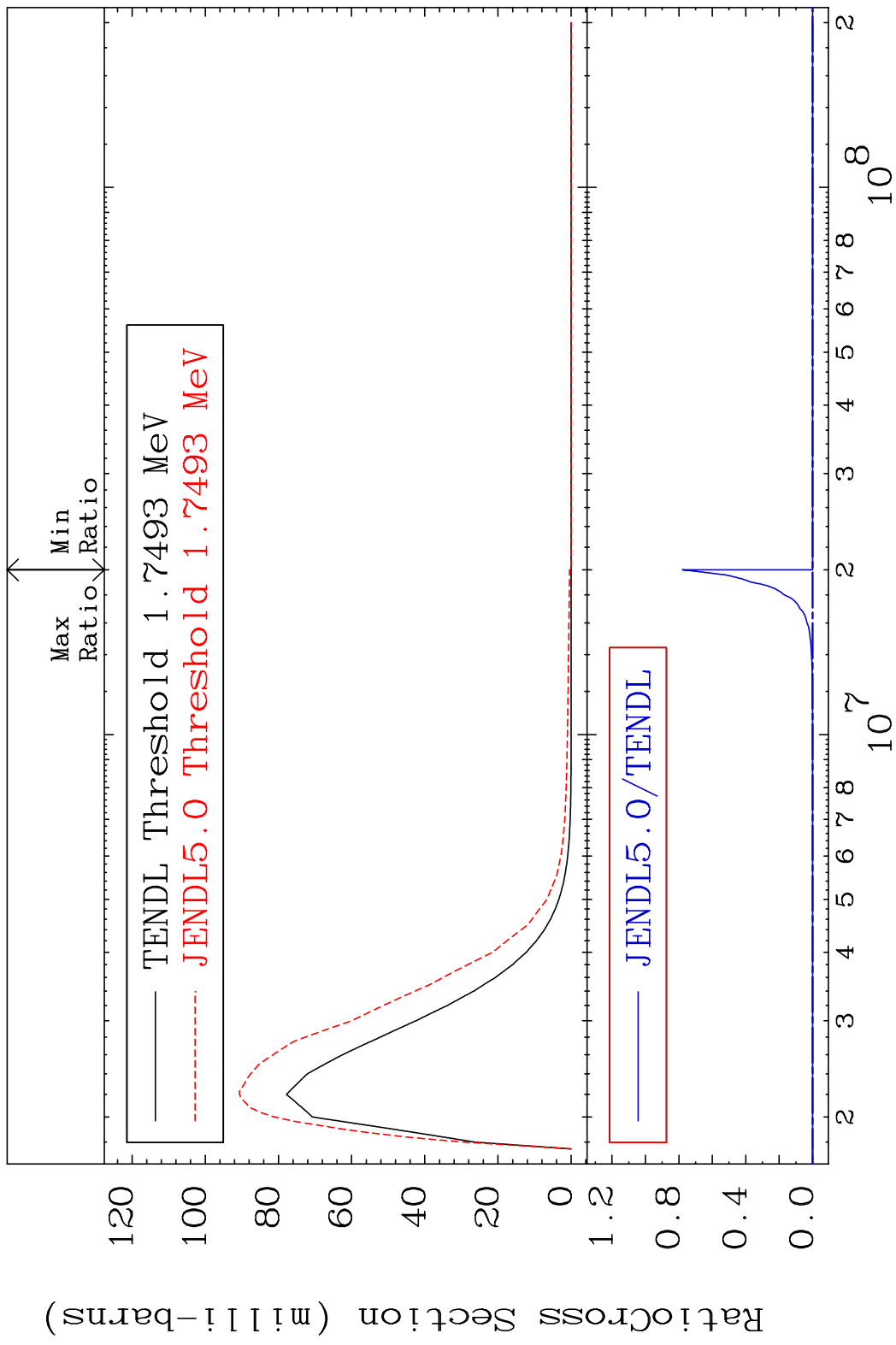


MAT 5034 MT= 59 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %

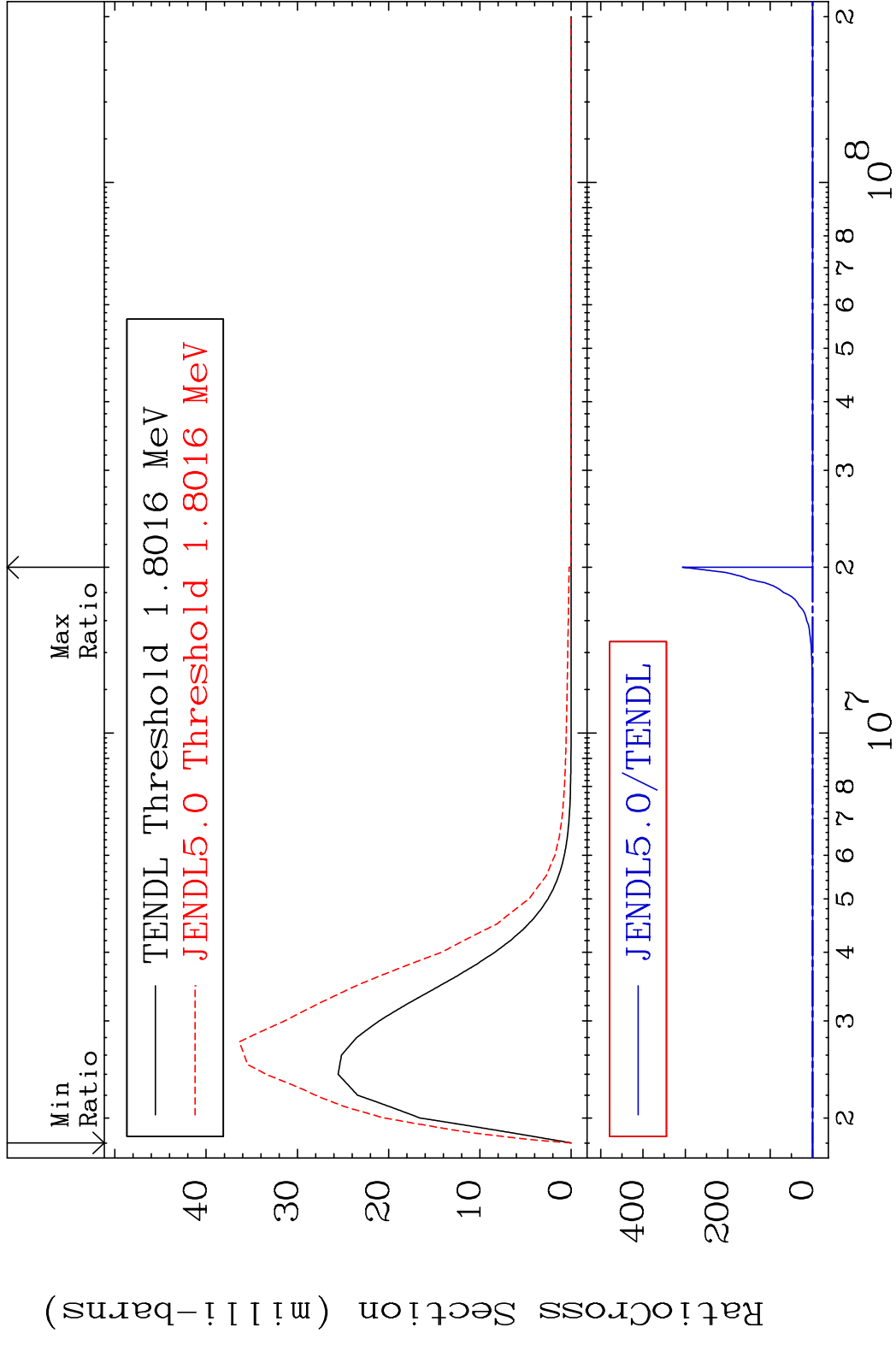


20 Incident Energy (eV) 50-Sn-115

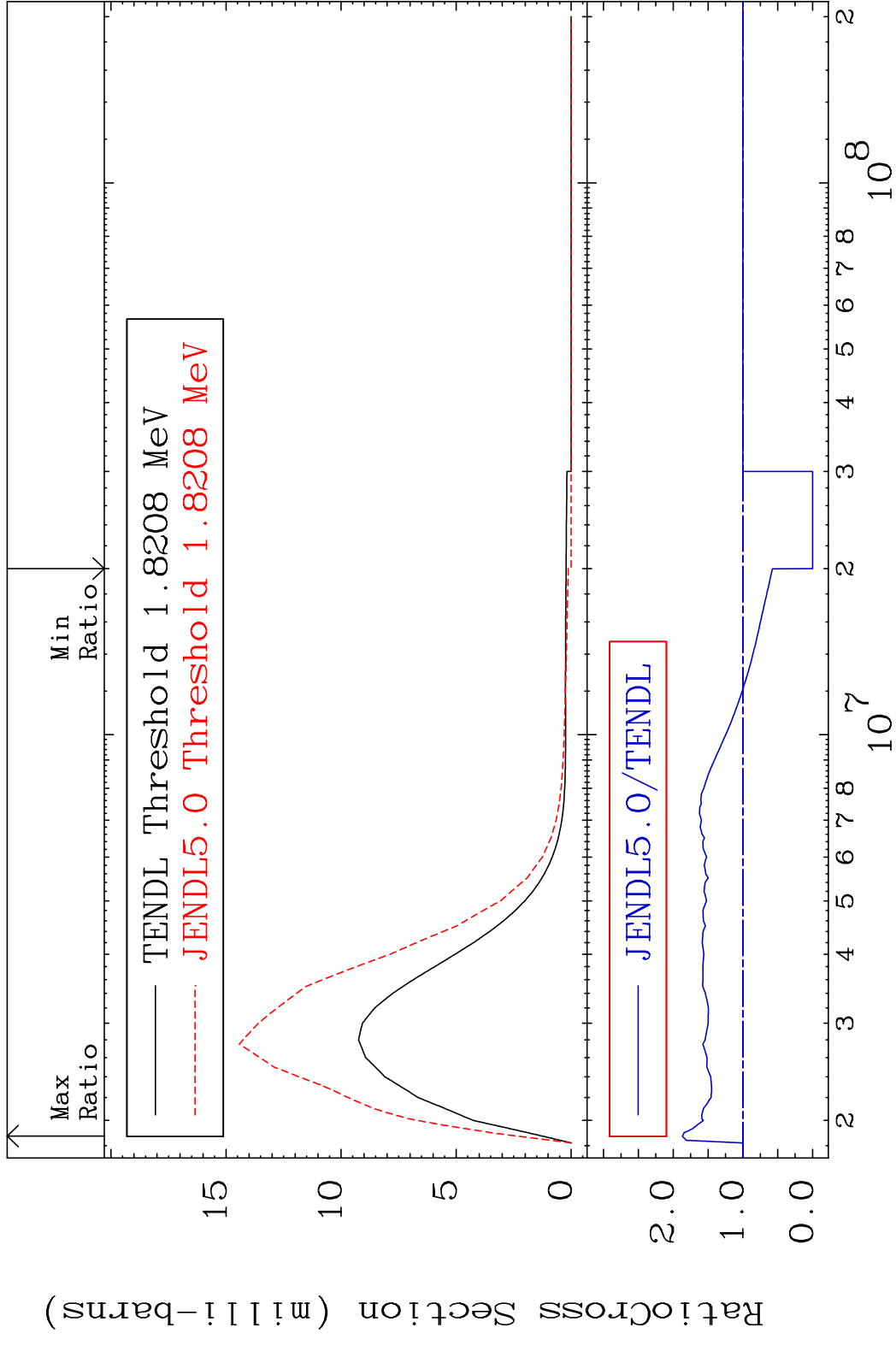
MAT 5034 MT= 60 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



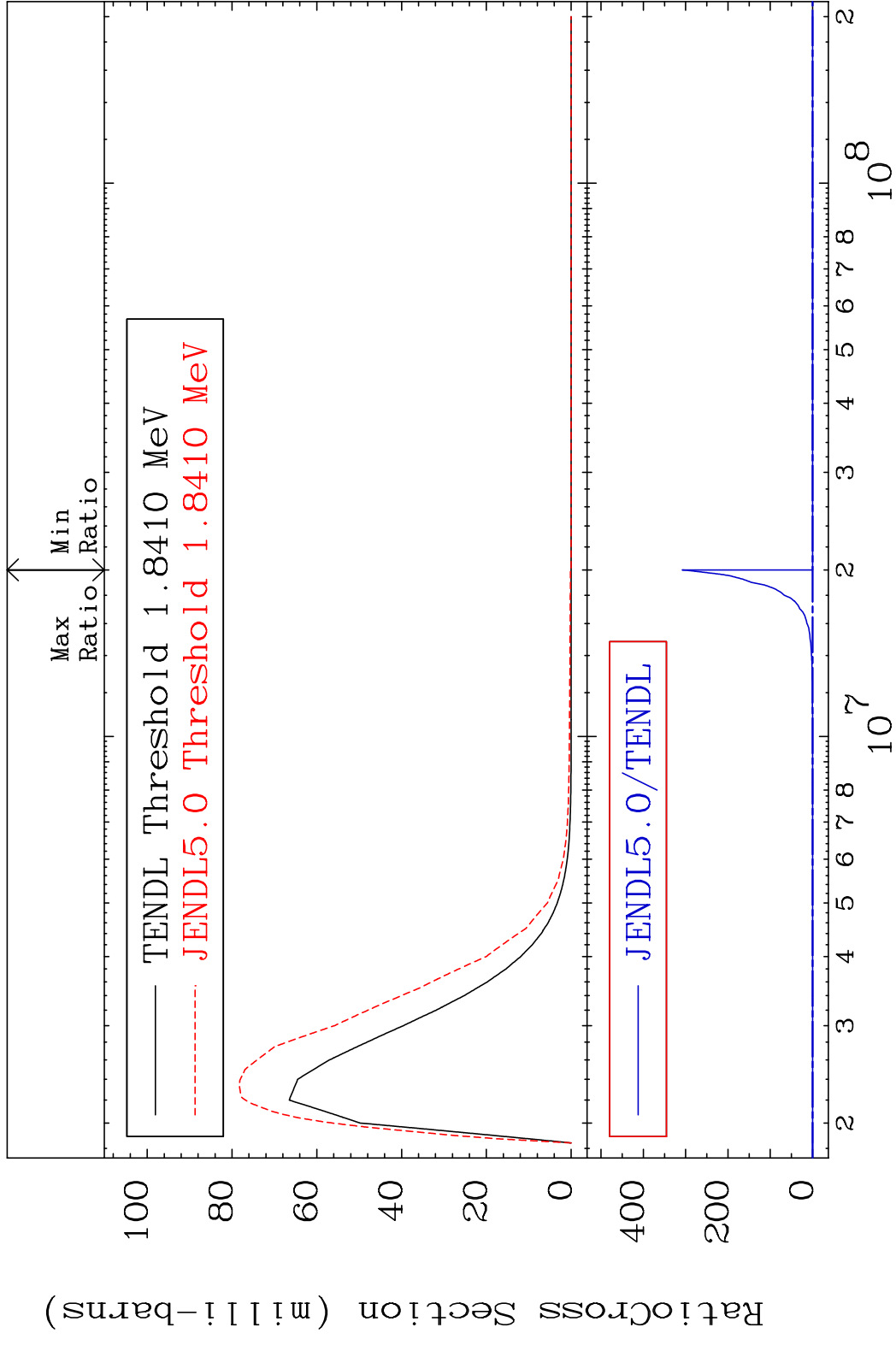
MAT 5034 MT= 61 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



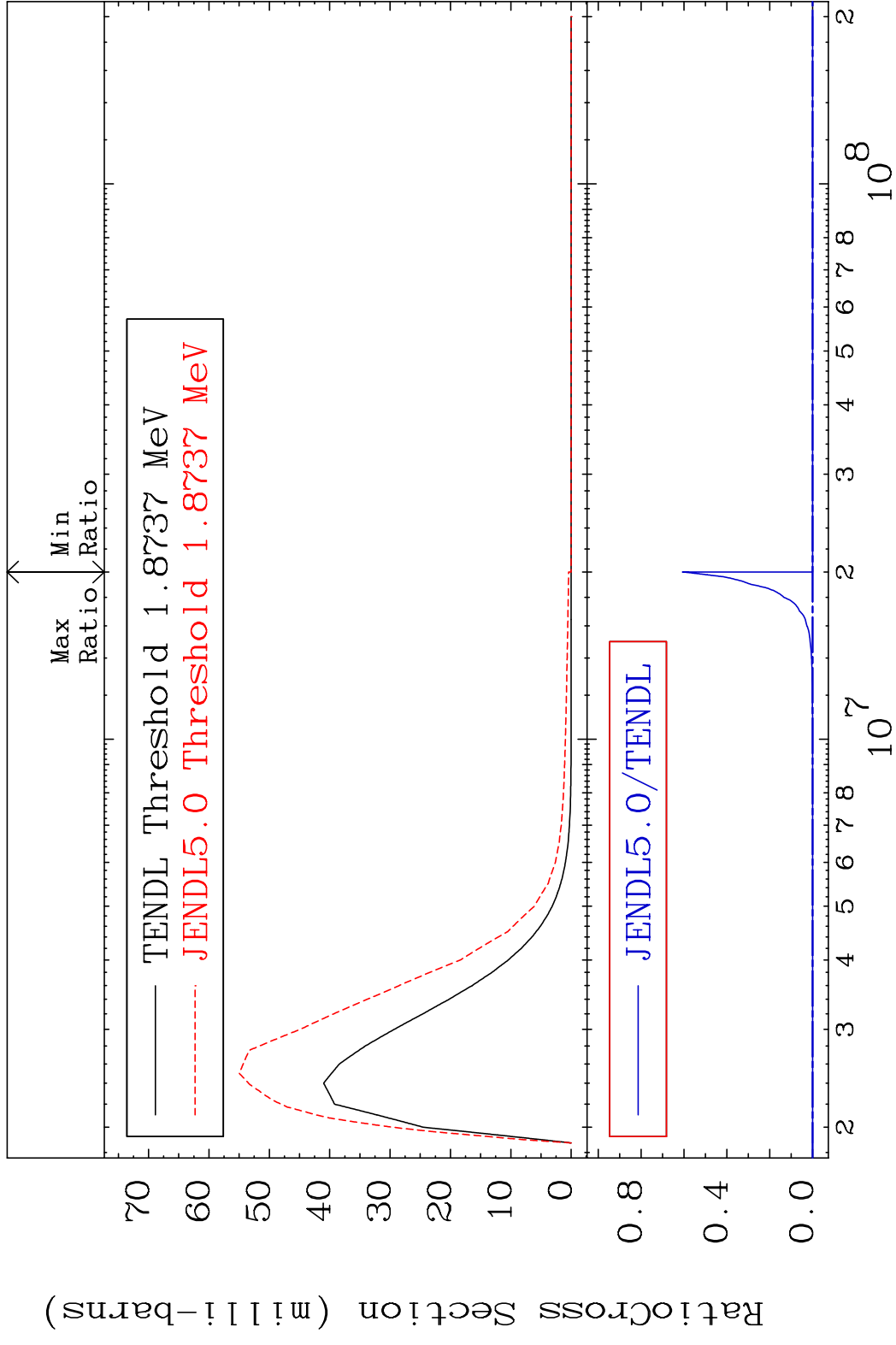
MAT 5034 MT= 62 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 86.89 %



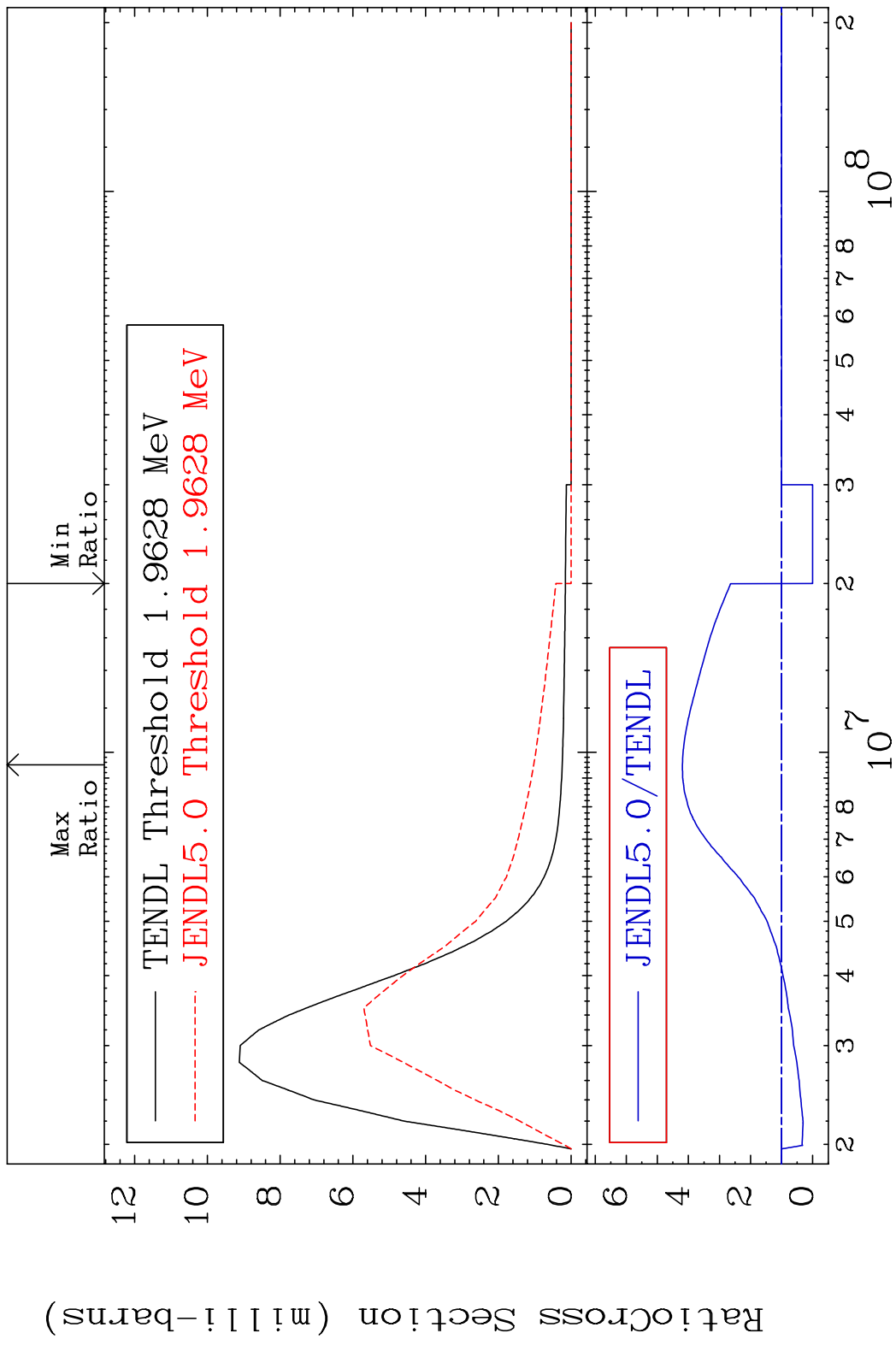
MAT 5034 MT= 63 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



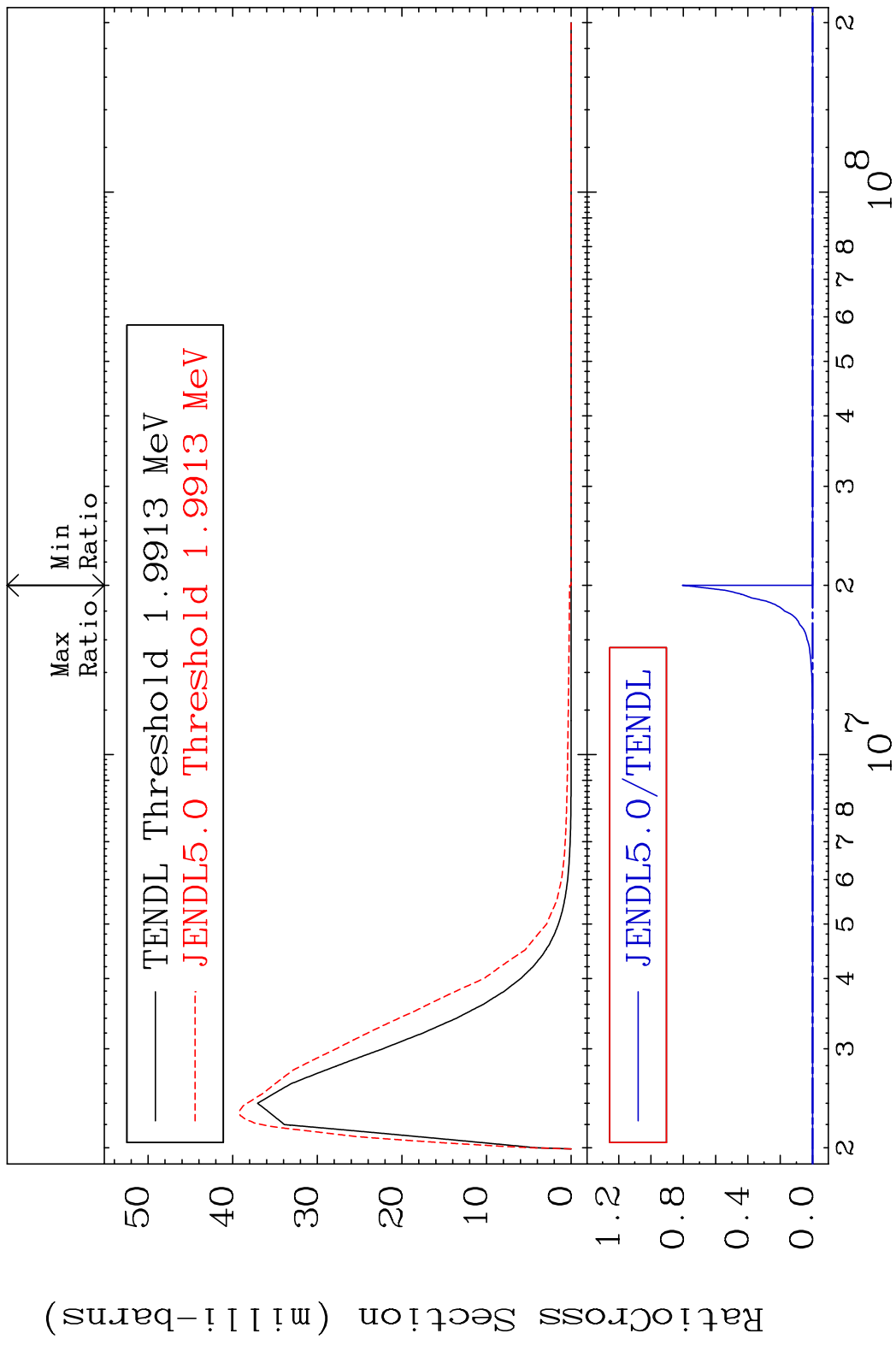
MAT 5034 MT= 64 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



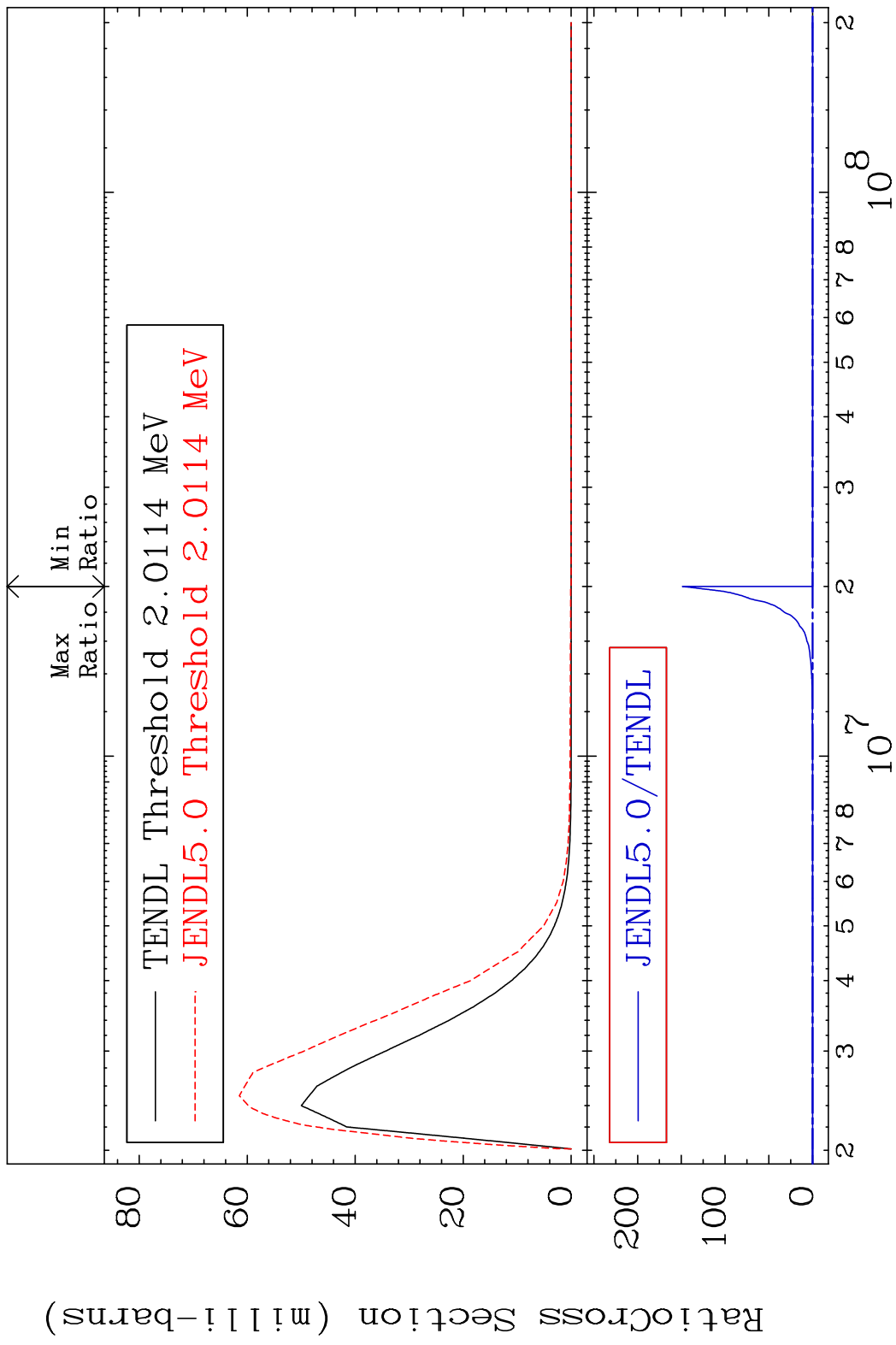
MAT 5034 MT= 65 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 319.6 %



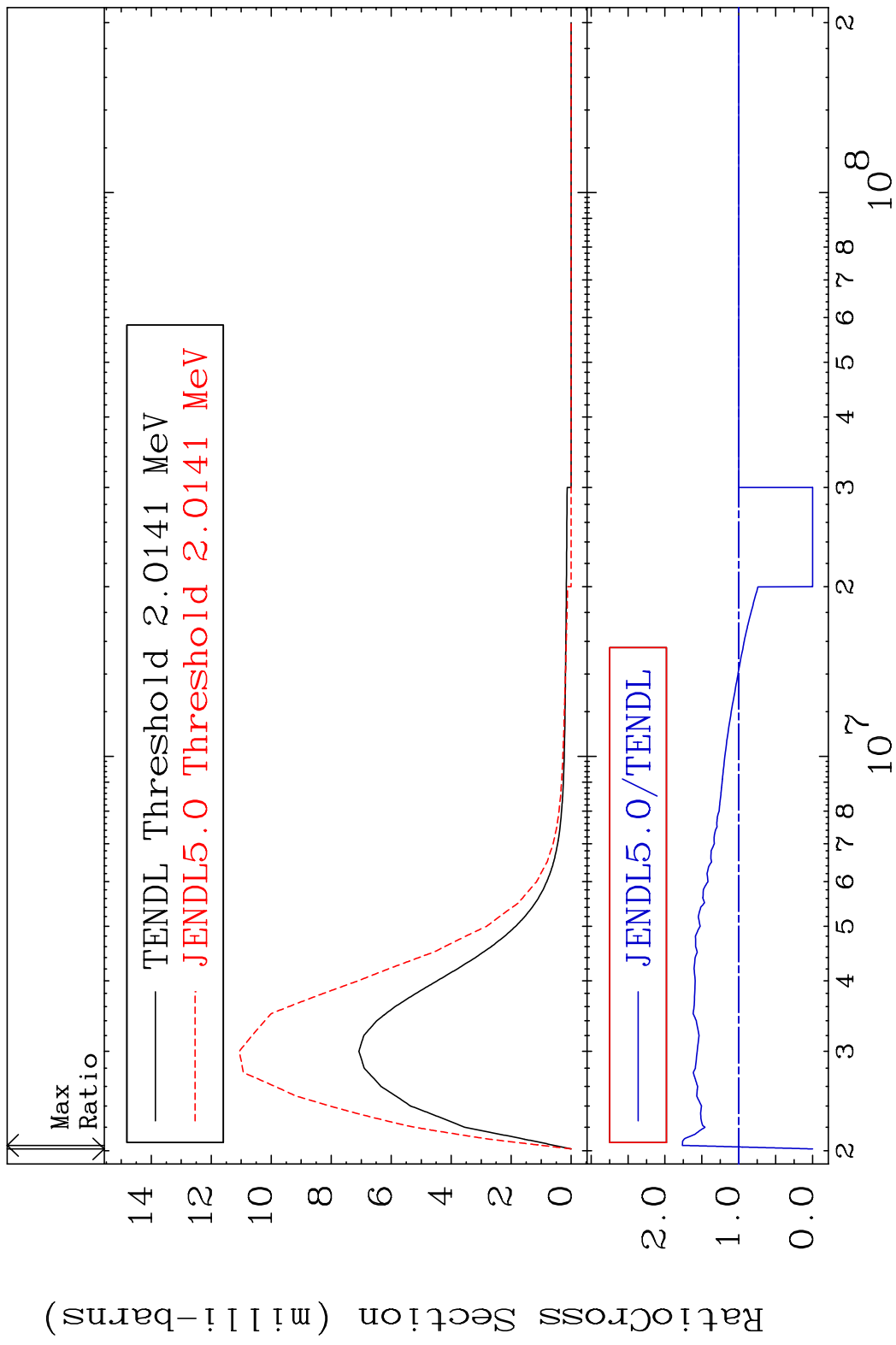
MAT 5034 MT= 66 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



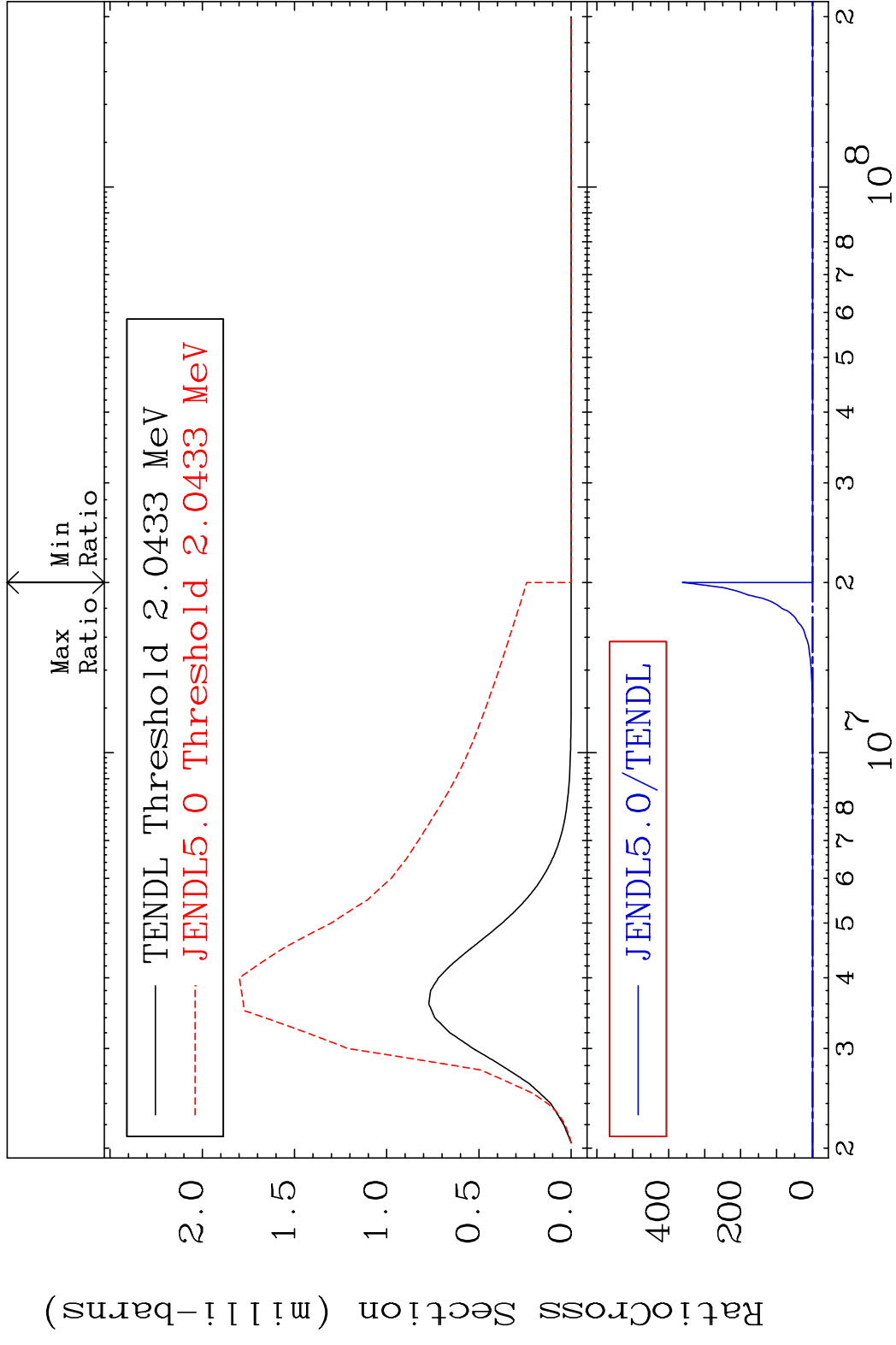
MAT 5034 MT= 67 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



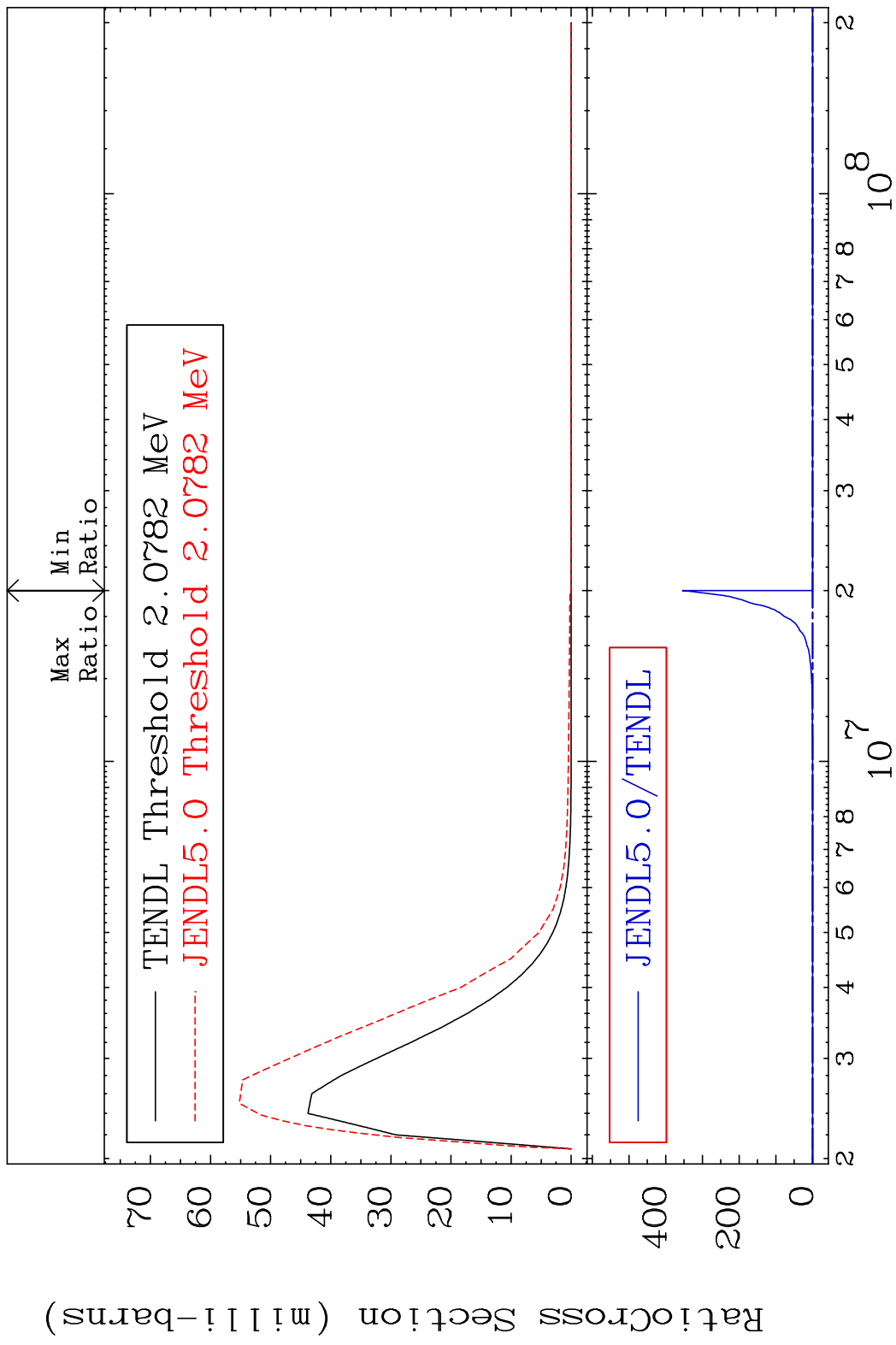
MAT 5034 MT= 68 (n,n') Level 50-Sn-115
 Cross Section -100.0 To 76.41 %



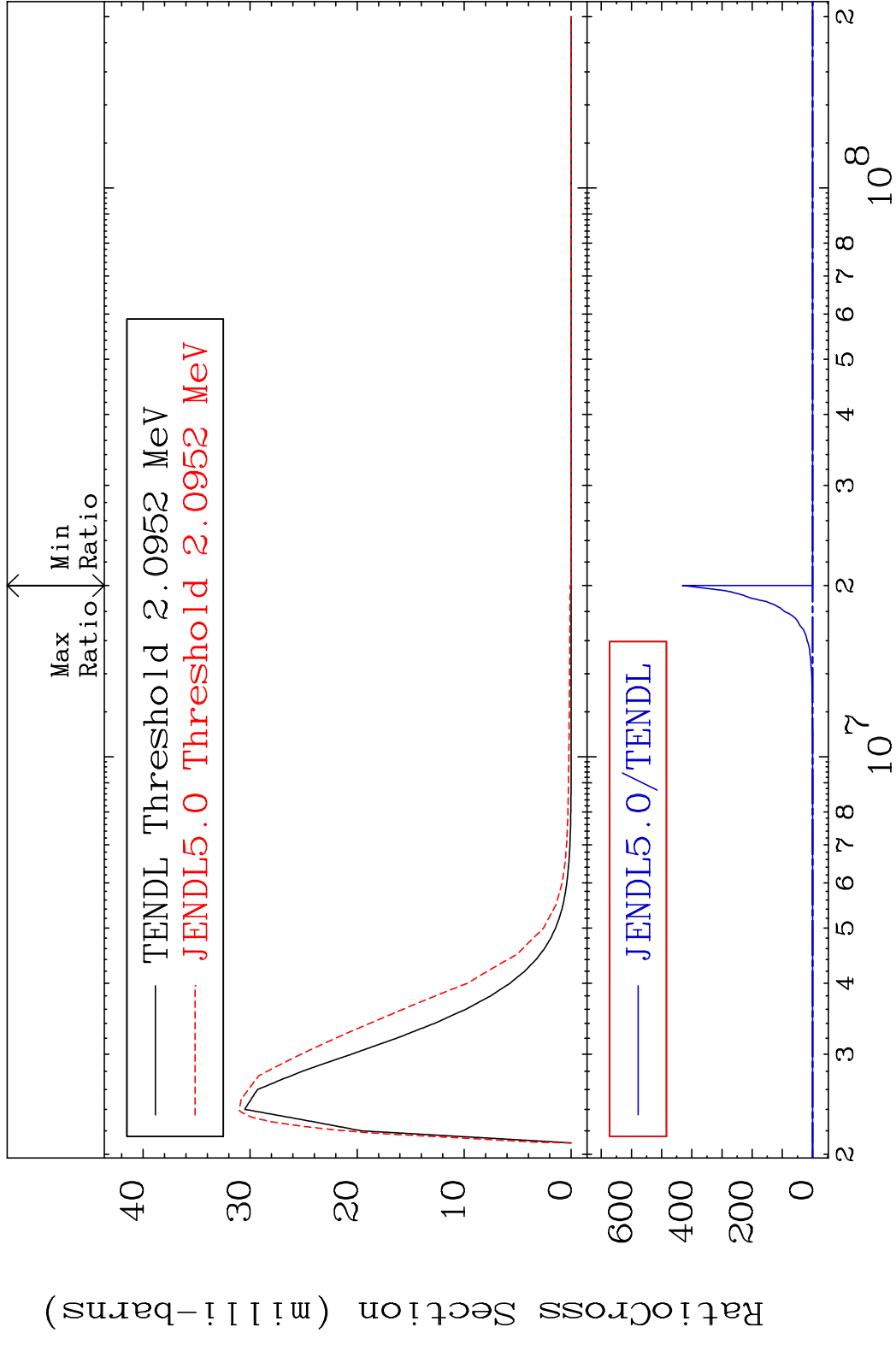
MAT 5034 MT= 69 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



MAT 5034 MT= 70 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %



MAT 5034 MT= 71 (n, n') Level 50-Sn-115
 Cross Section -100.0 To 9999. %

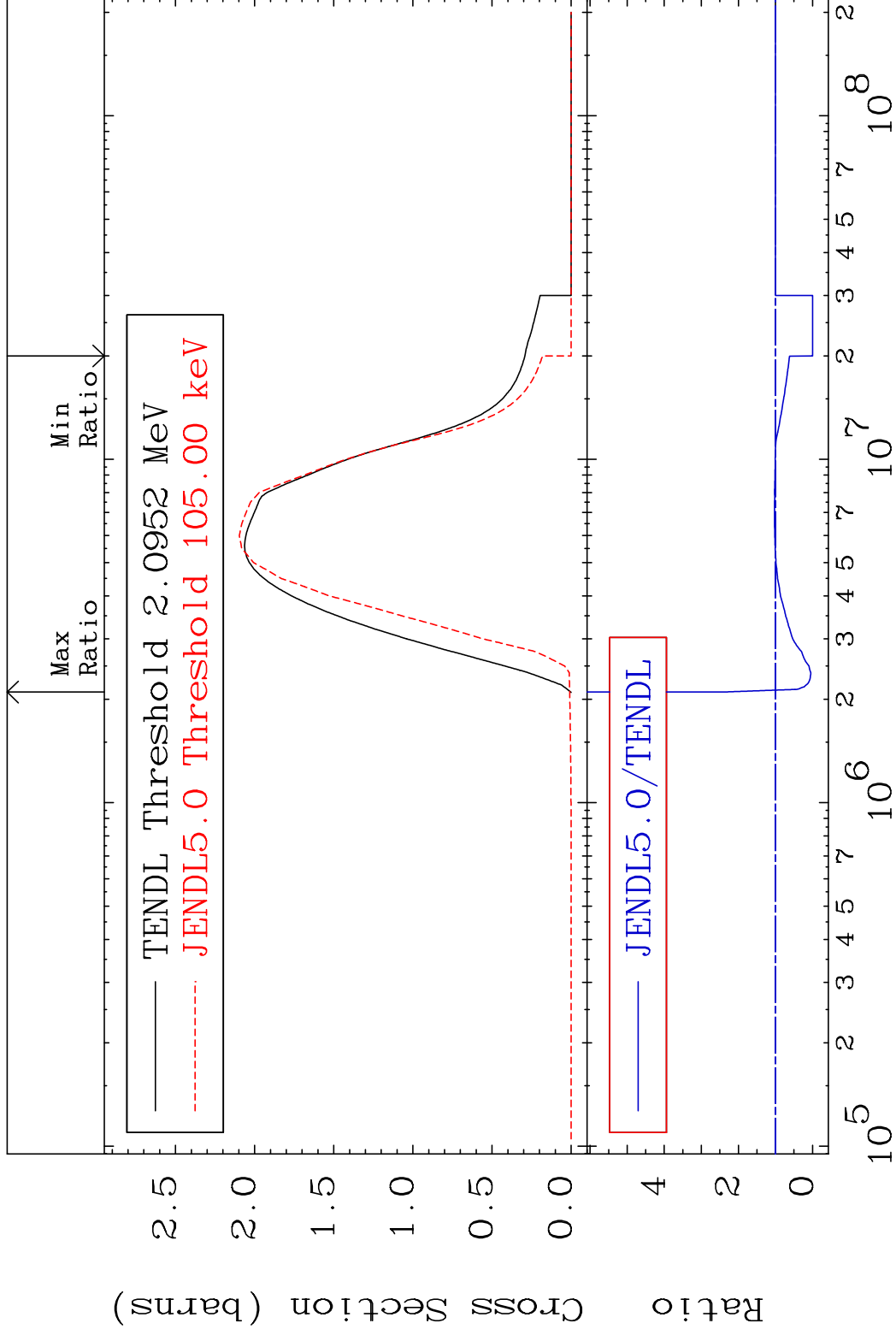


MAT 5034

(n, n') Continuum

50-Sn-115

Cross Section -100.0 To 251.2 %



33

Incident Energy (eV)

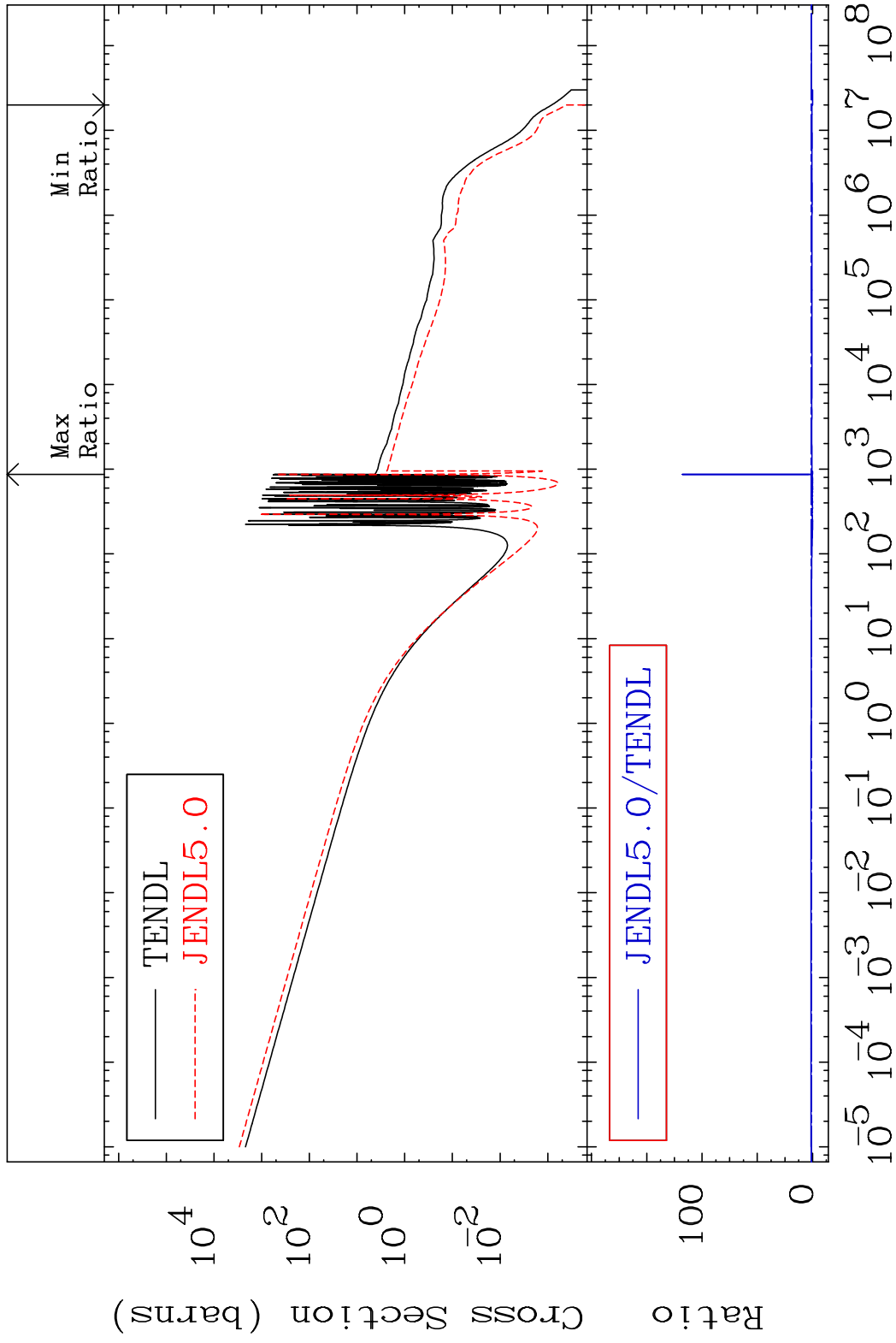
50-Sn-115

MAT 5034

(n, γ)

50-Sn-115

Cross Section -100.0 To 9999. %



Max Ratio

Min Ratio

TENDL
JENDL5.0

JENDL5.0/TENDL

34

Incident Energy (eV)

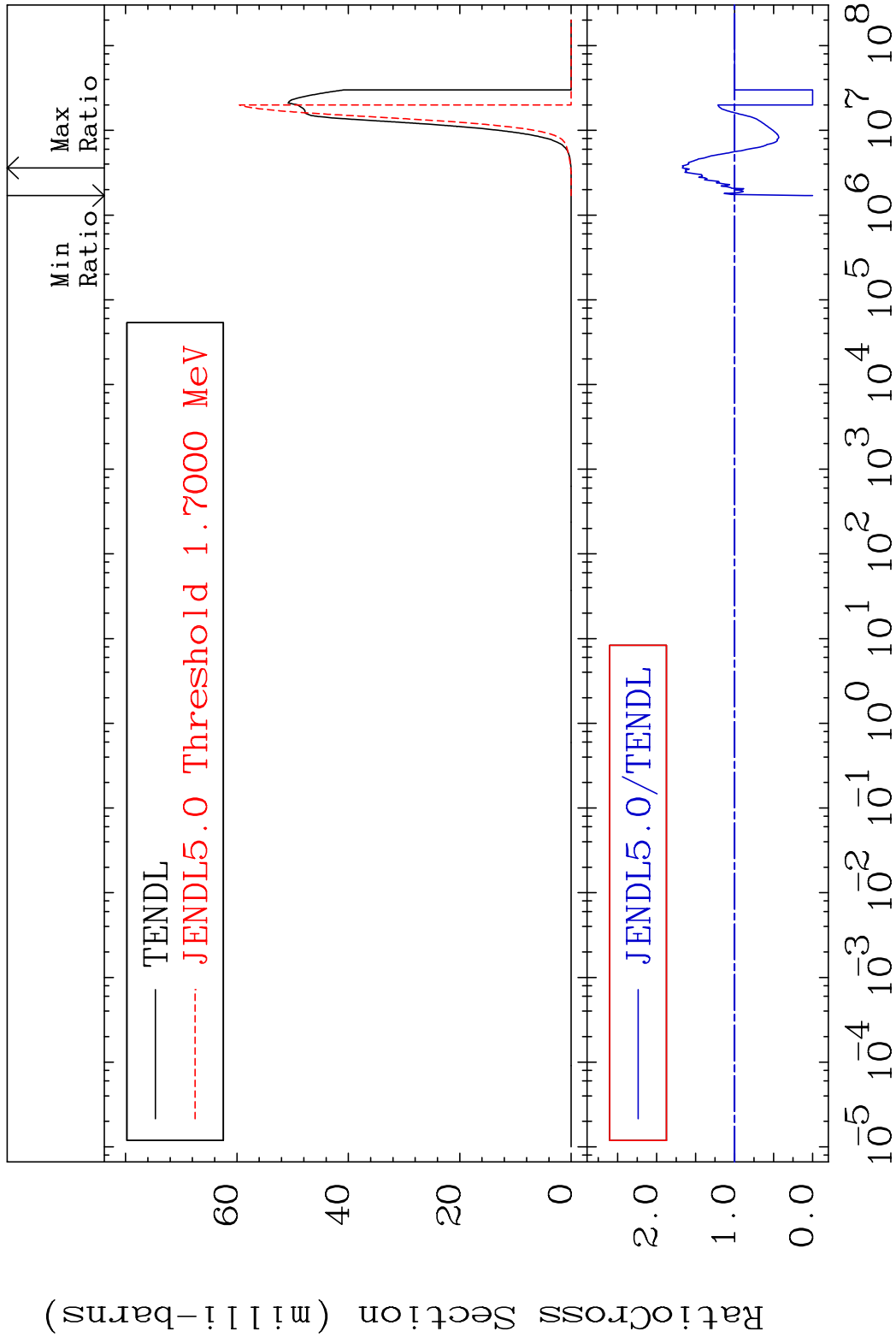
50-Sn-115

MAT 5034

(n,p)

50-Sn-115

Cross Section -100.0 To 67.01 %



35

Incident Energy (eV)

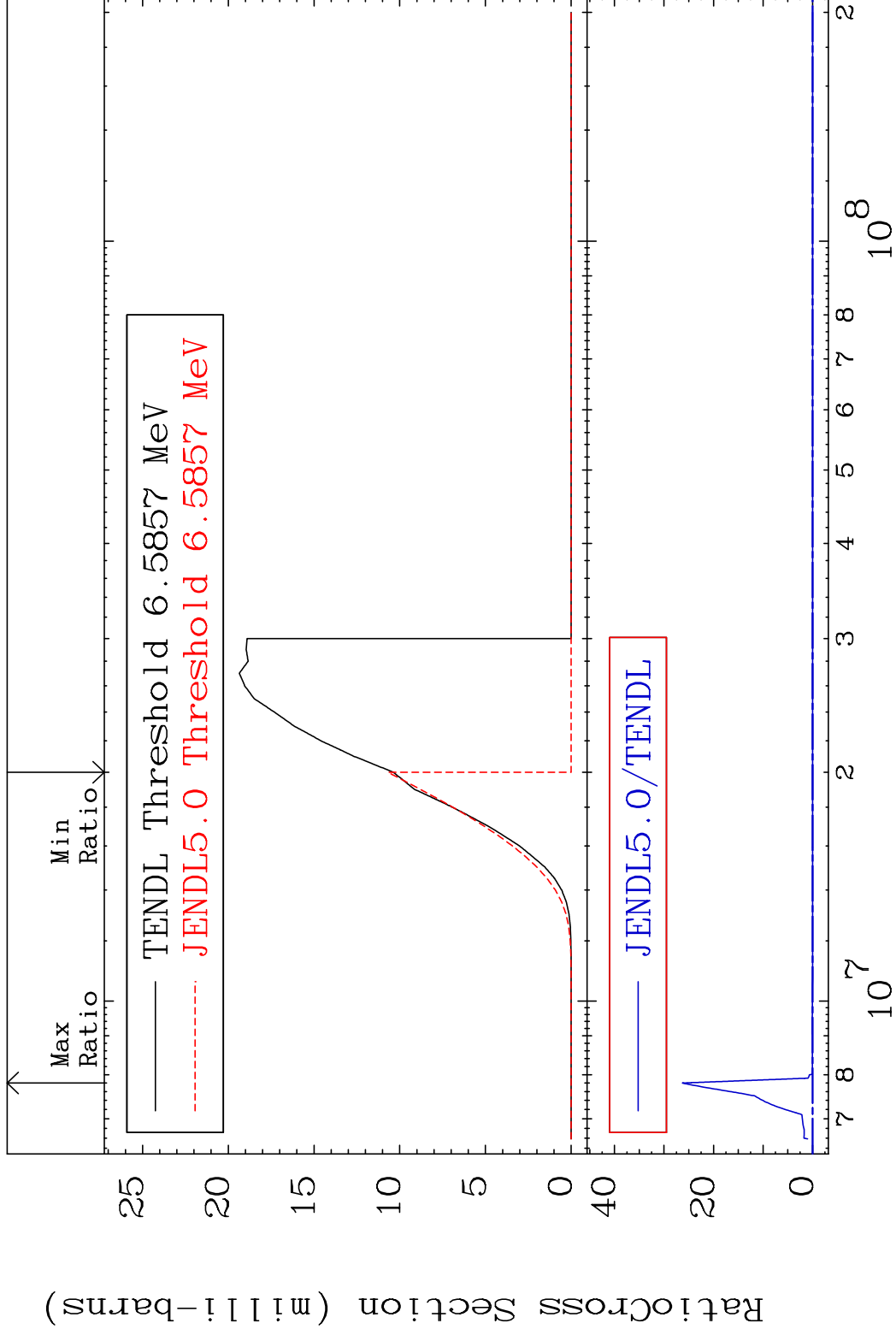
50-Sn-115

MAT 5034

(n,d)

50-Sn-115

Cross Section -100.0 To 9999. %

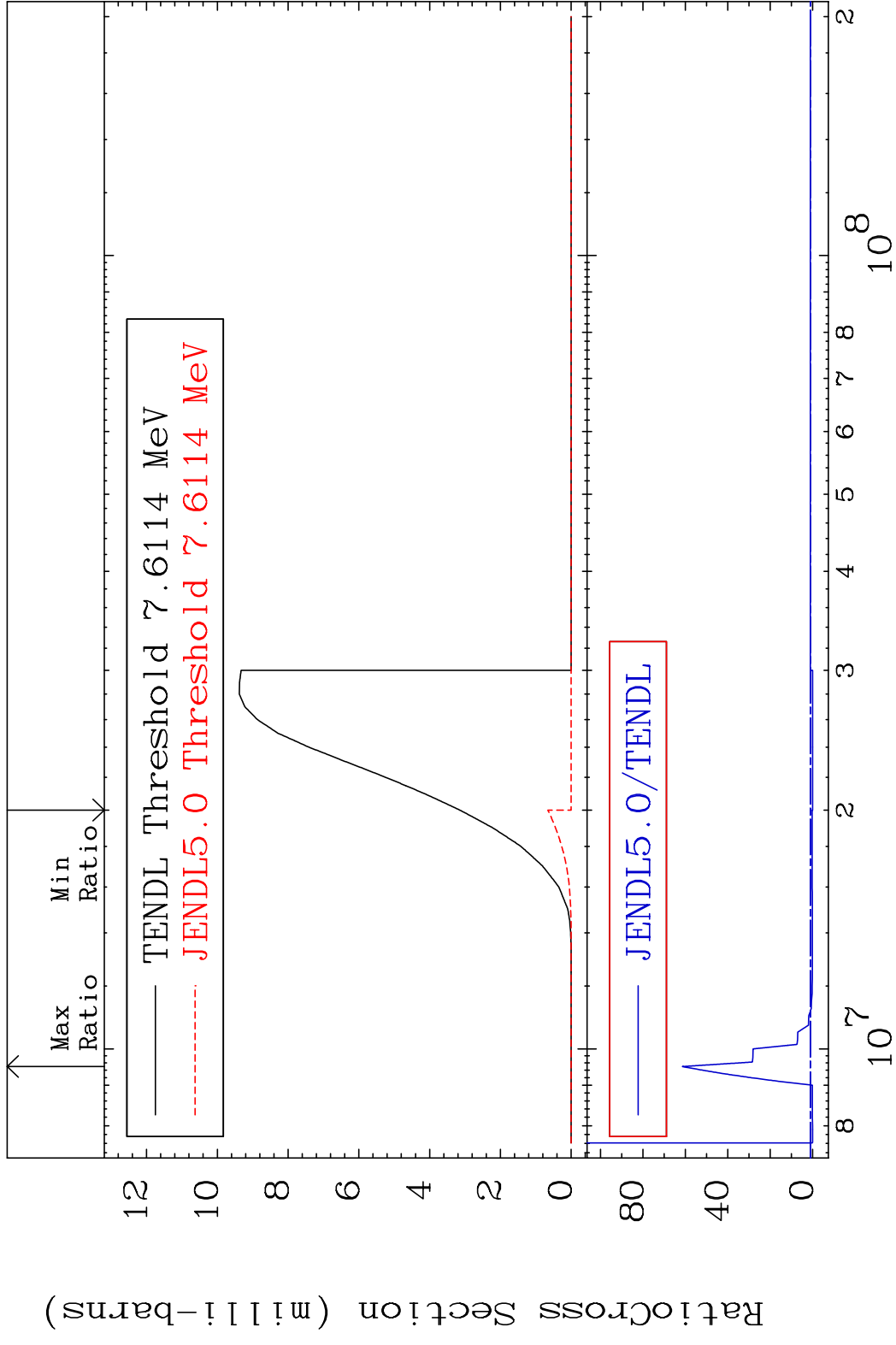


36

Incident Energy (eV)

50-Sn-115

MAT 5034 (n, t) 50-Sn-115
 Cross Section -100.0 To 6041. %

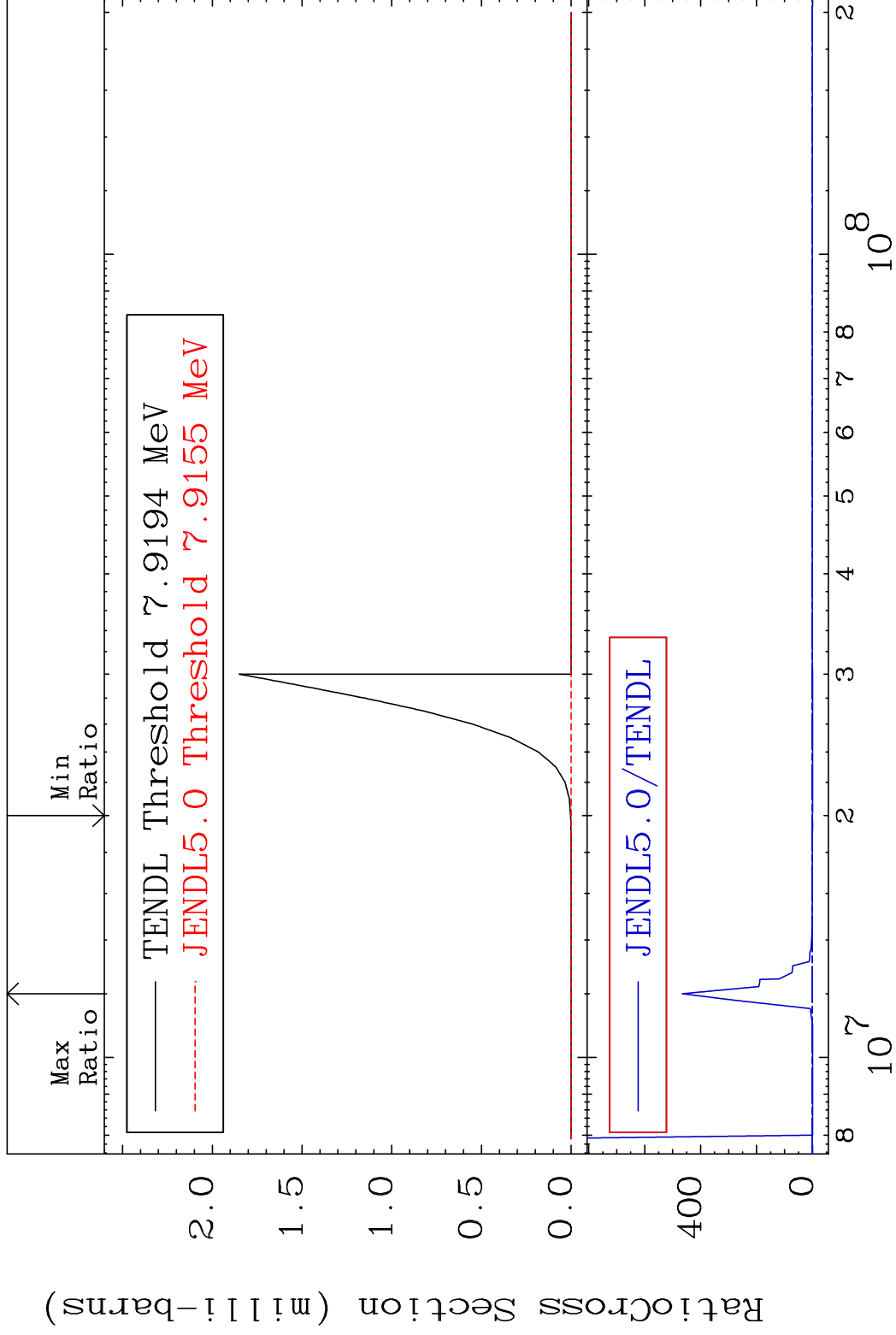


MAT 5034

(n, He-3)

50-Sn-115

Cross Section -100.0 To 9999. %



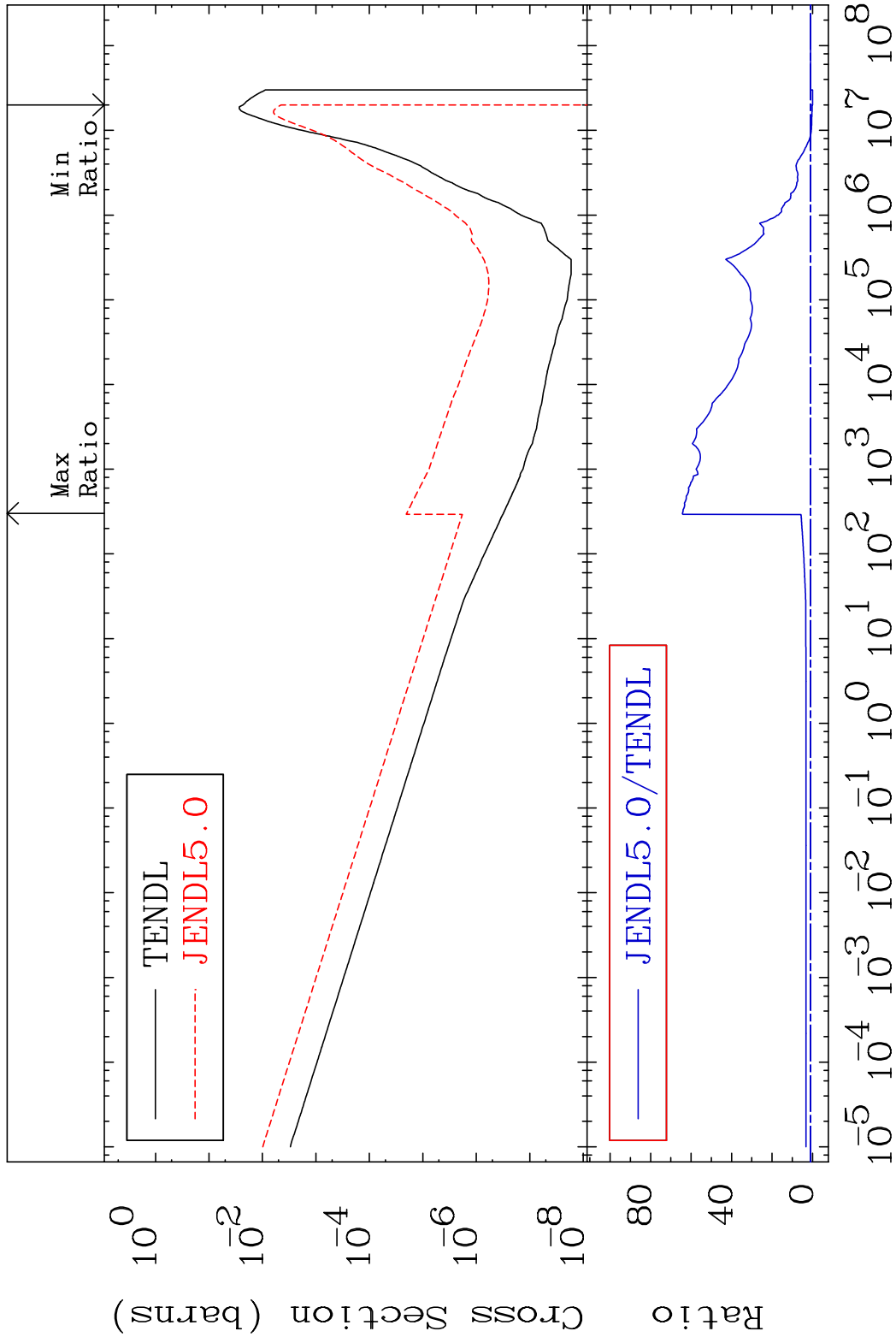
38

Incident Energy (eV)

50-Sn-115

MAT 5034

(n, α)
Cross Section -100.0 To 6332. %
50-Sn-115

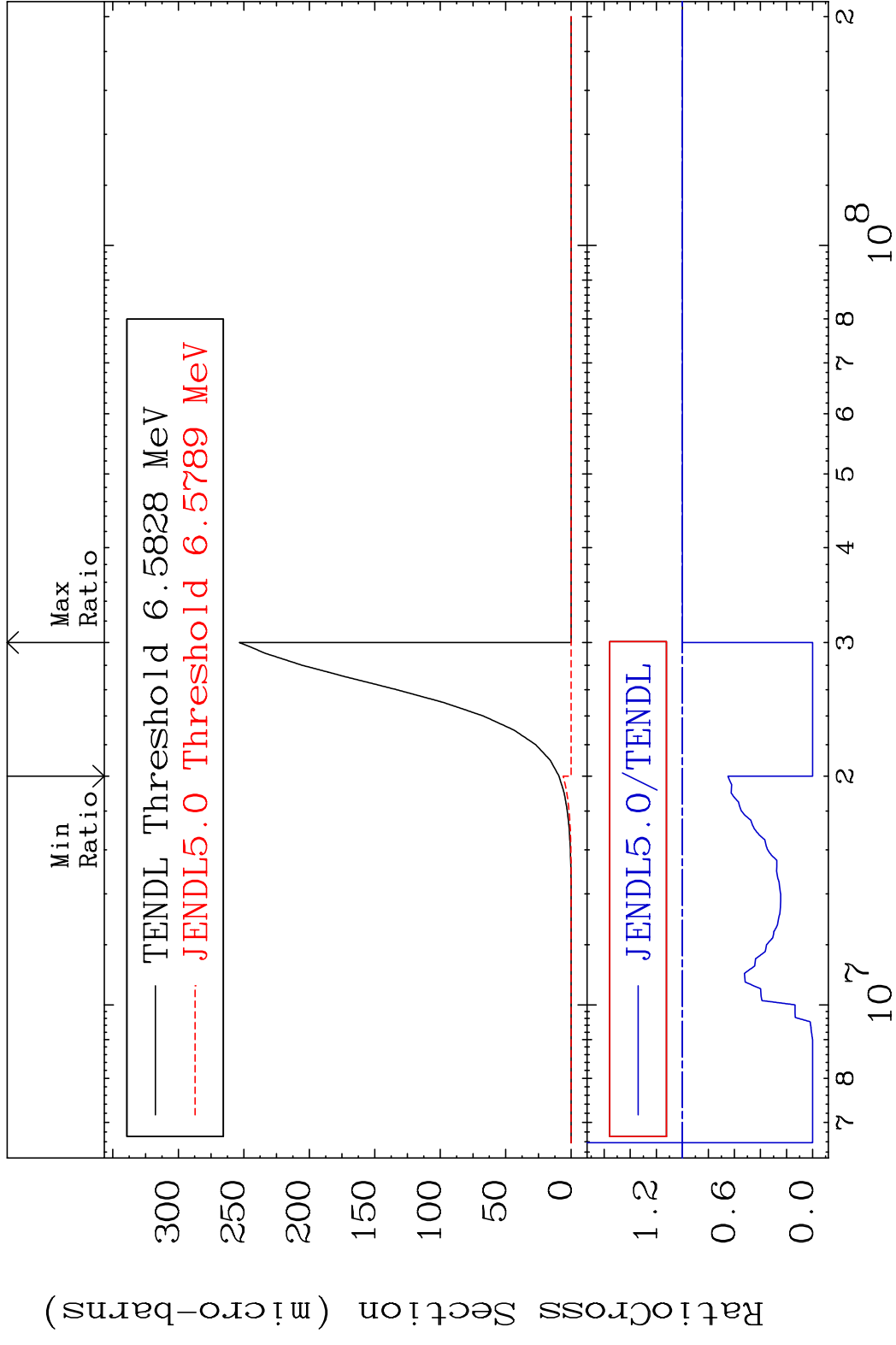


39

Incident Energy (eV)

50-Sn-115

MAT 5034 (n,2p) 50-Sn-115
 Cross Section -100.0 To 0.000 %



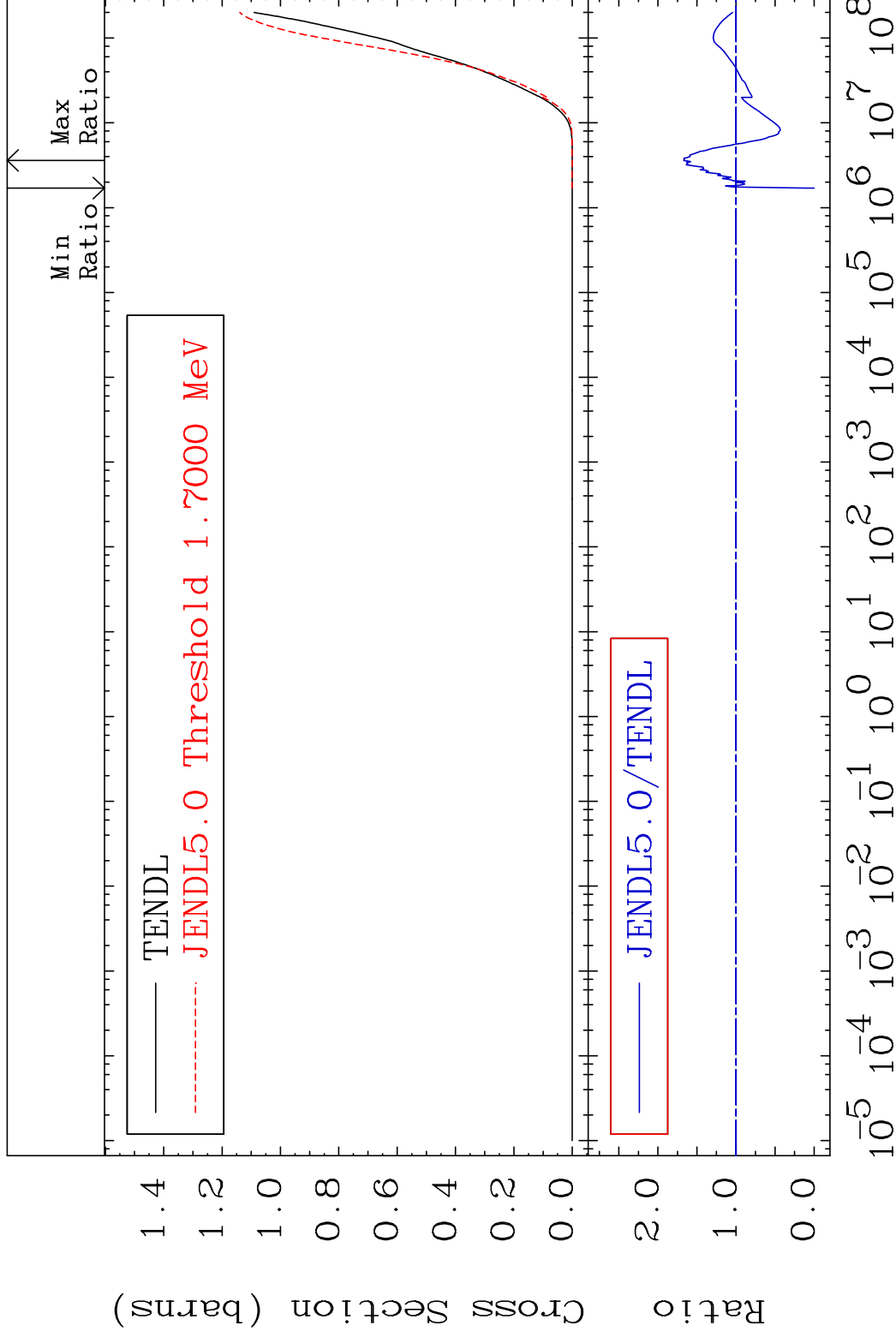
40 50-Sn-115

MAT 5034

Hydrogen Production

50-Sn-115

Cross Section -100.0 To 67.01 %

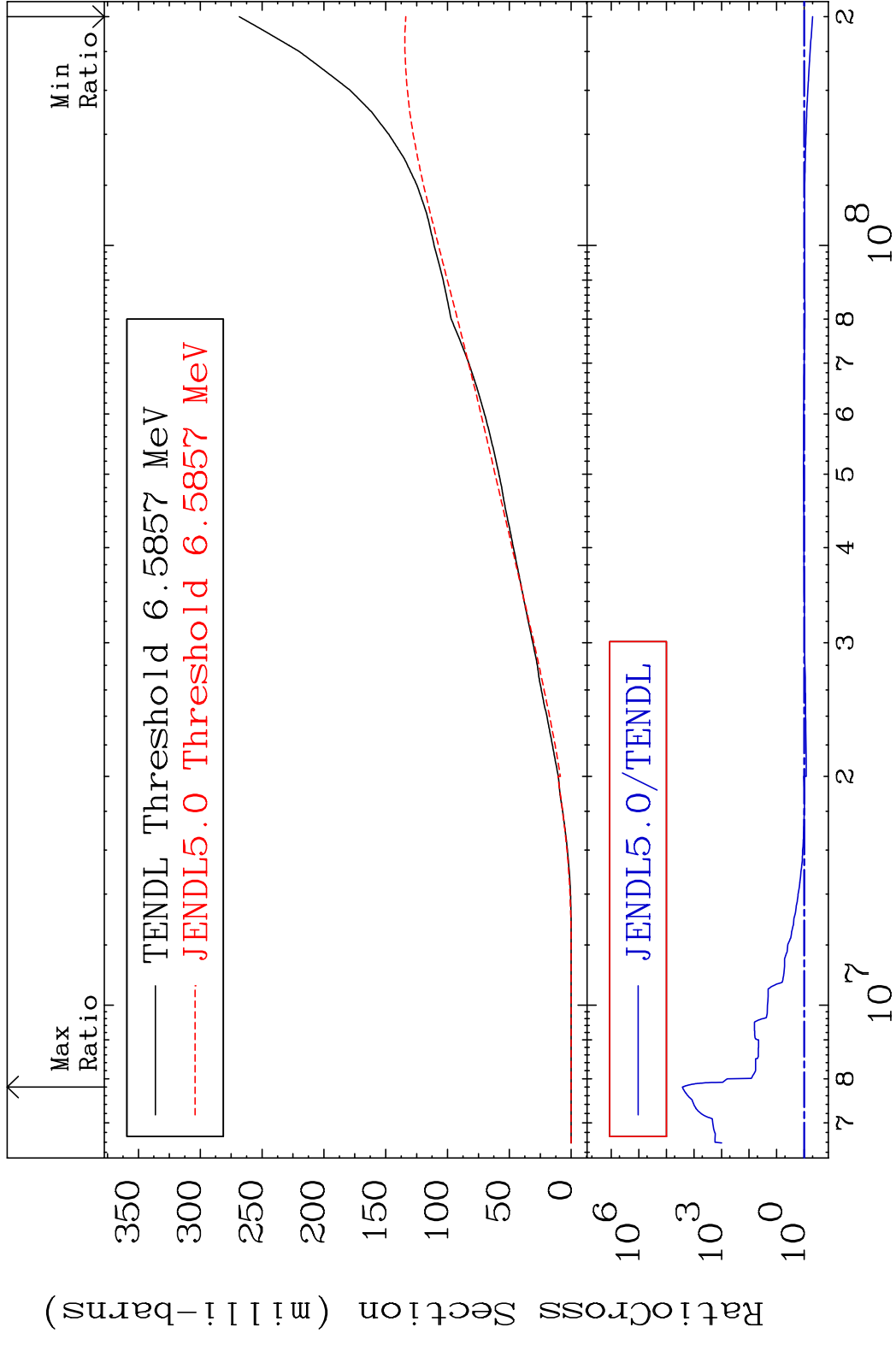


41

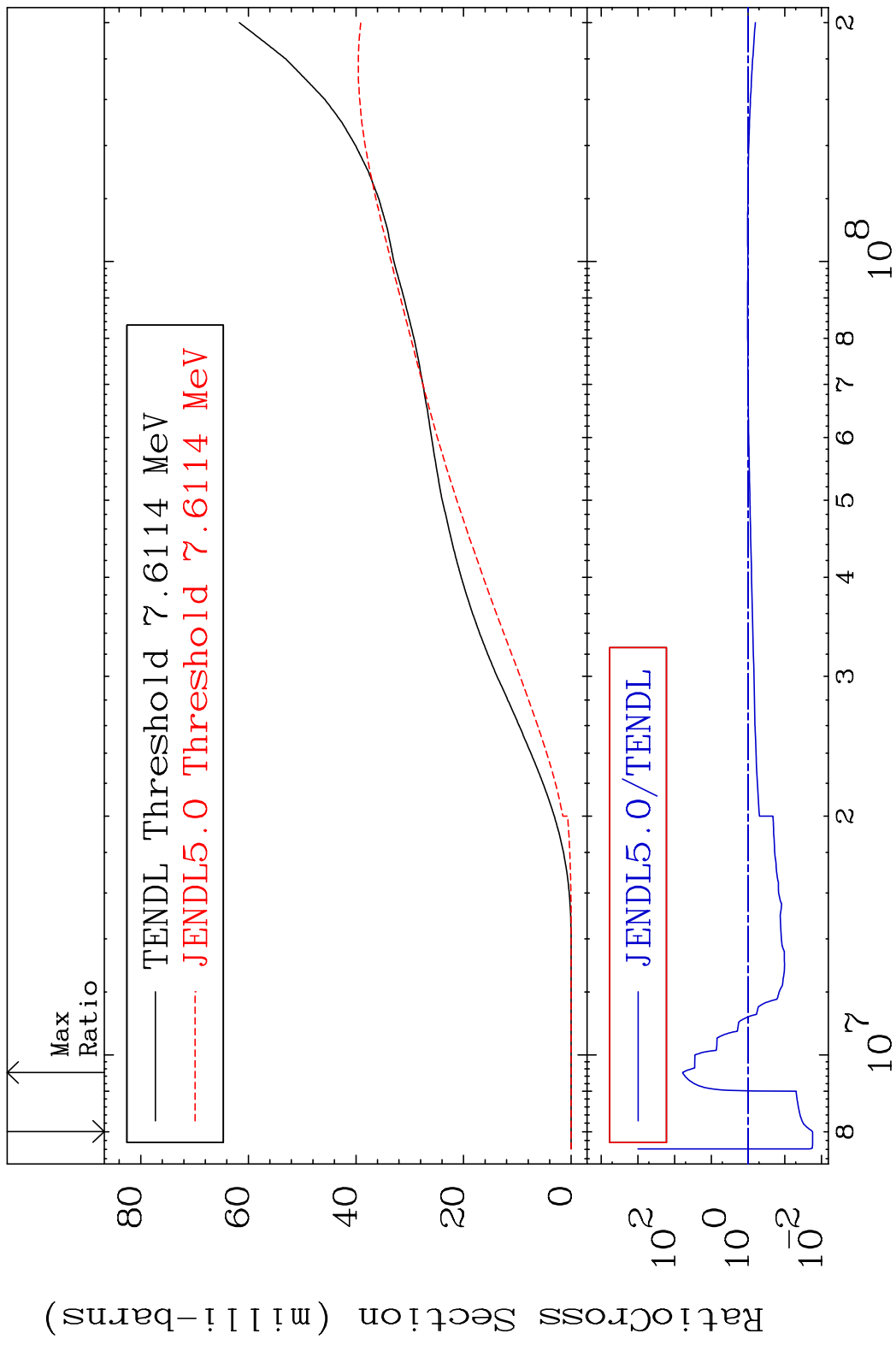
Incident Energy (eV)

50-Sn-115

MAT 5034 Deuterium Production 50-Sn-115
 Cross Section -50.14 To 9999. %



MAT 5034 Tritium Production 50-Sn-115
 Cross Section -98.25 To 6041. %

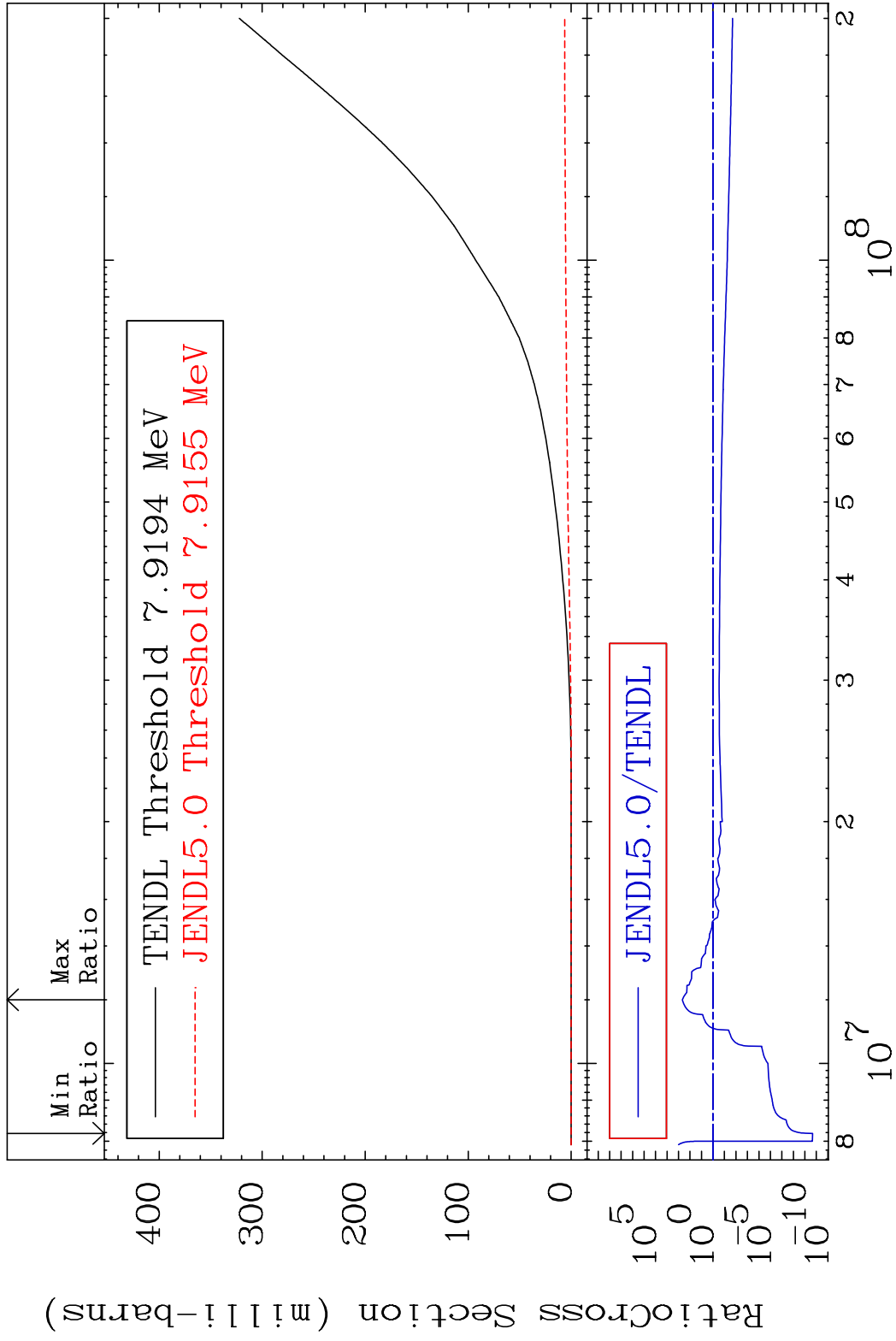


MAT 5034

He-3 Production

50-Sn-115

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

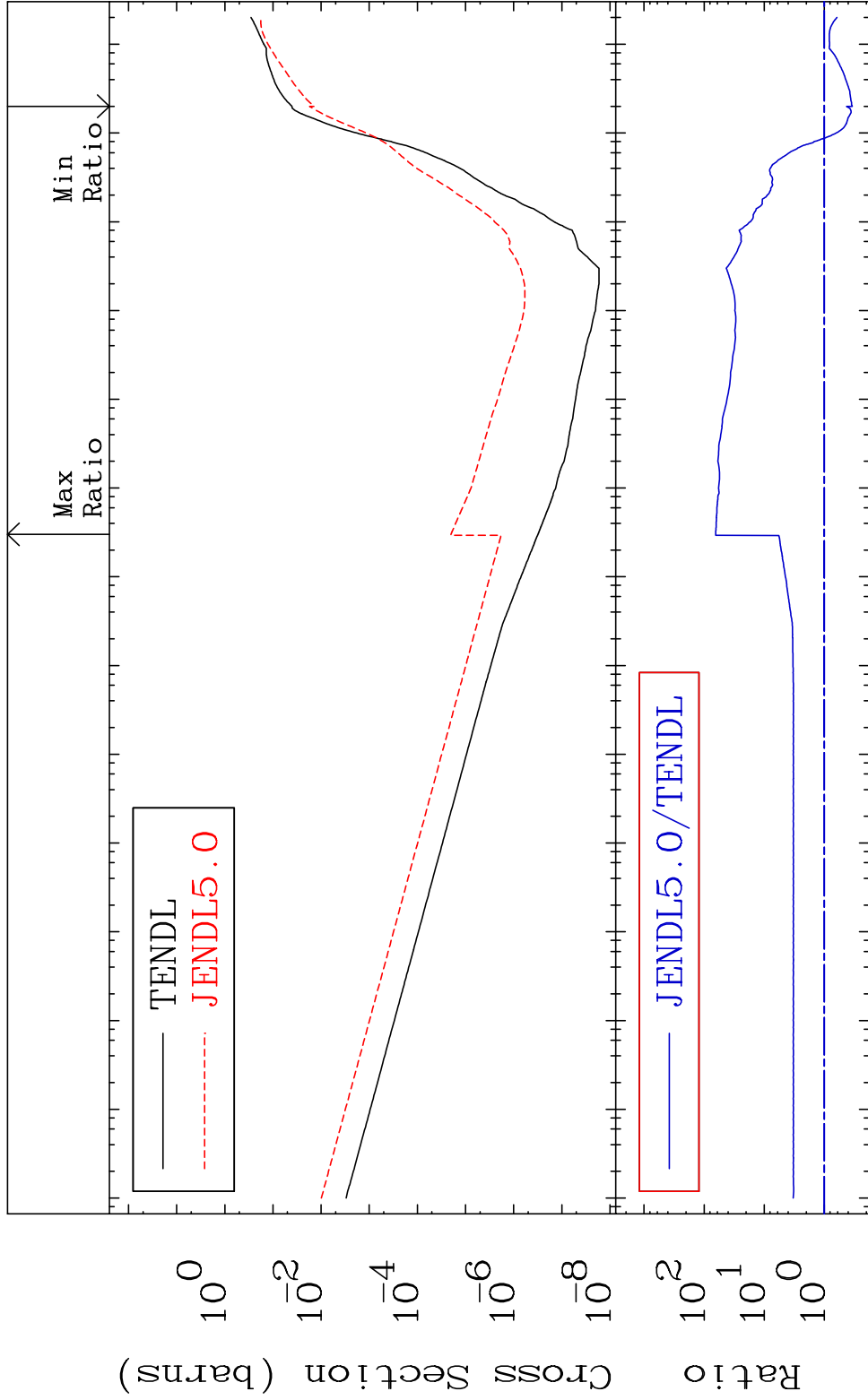
50-Sn-115

MAT 5034

He-4 Production

50-Sn-115

Cross Section -65.67 To 6332. %

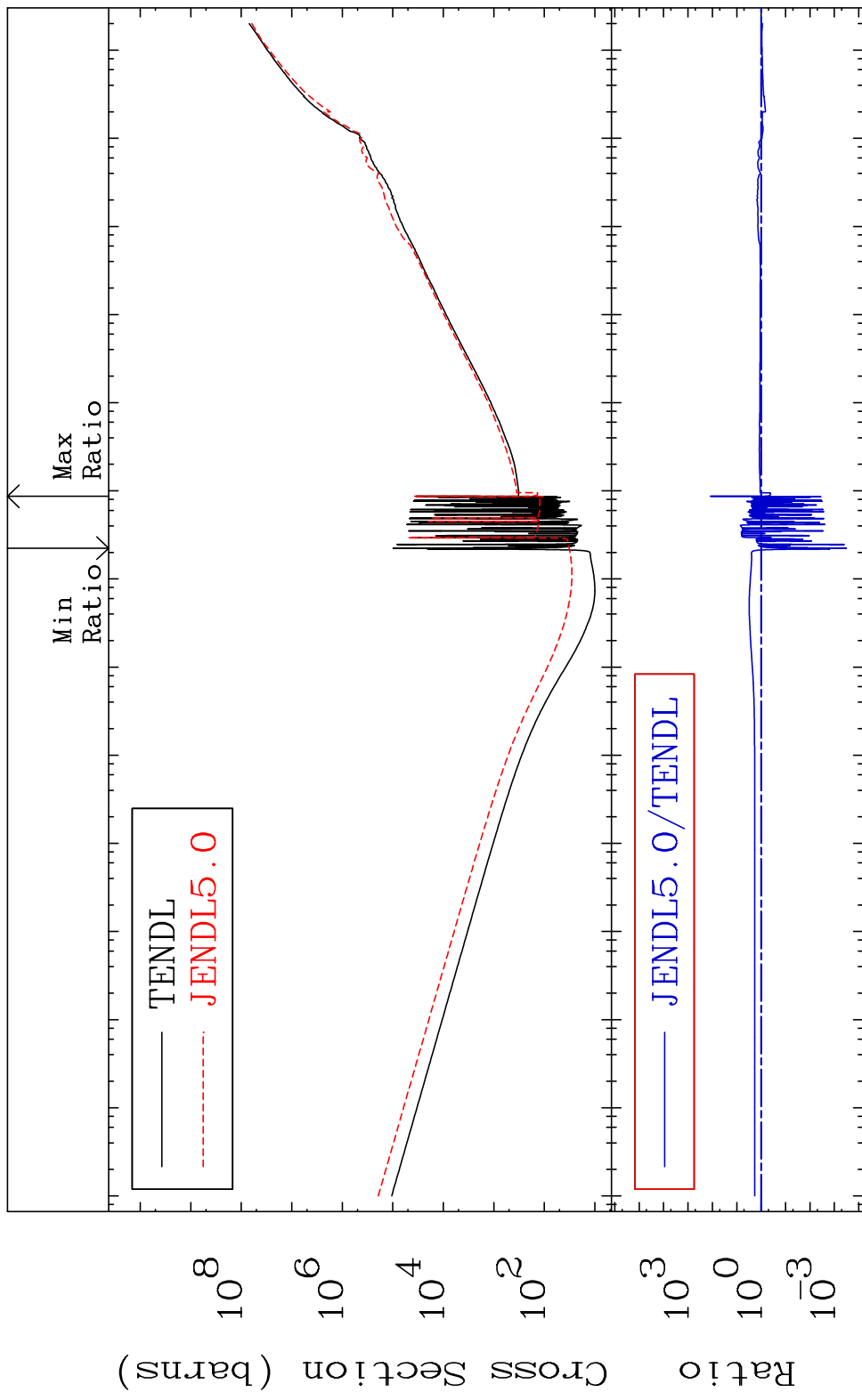


45

Incident Energy (eV)

50-Sn-115

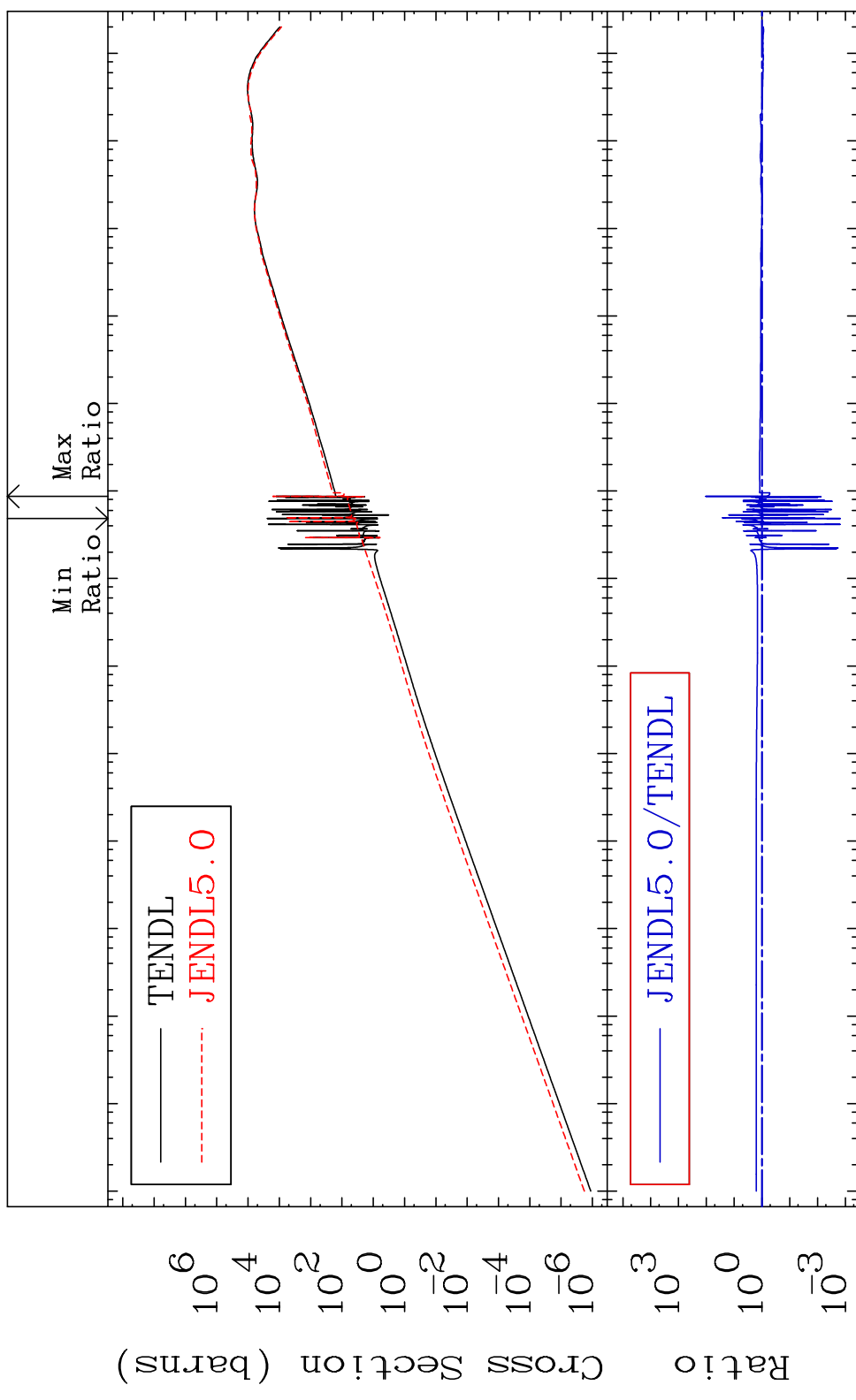
MAT 5034 Kerma total (eV-barns) 50-Sn-115
 Cross Section -99.97 To 9999. %



46 Incident Energy (eV) 50-Sn-115

MAT 5034

Kerma elastic
Cross Section -99.85 To 9999. %
50-Sn-115

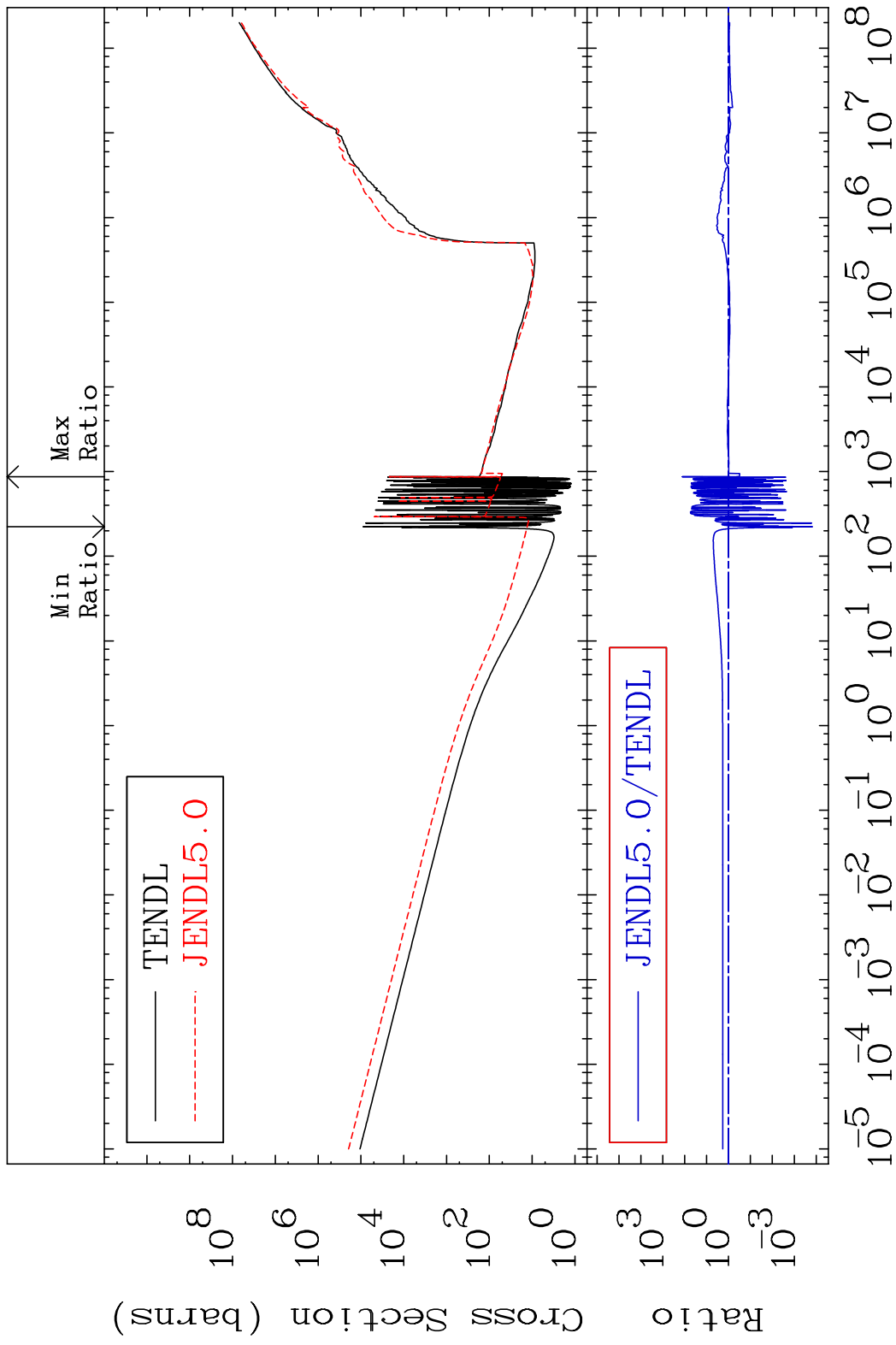


47

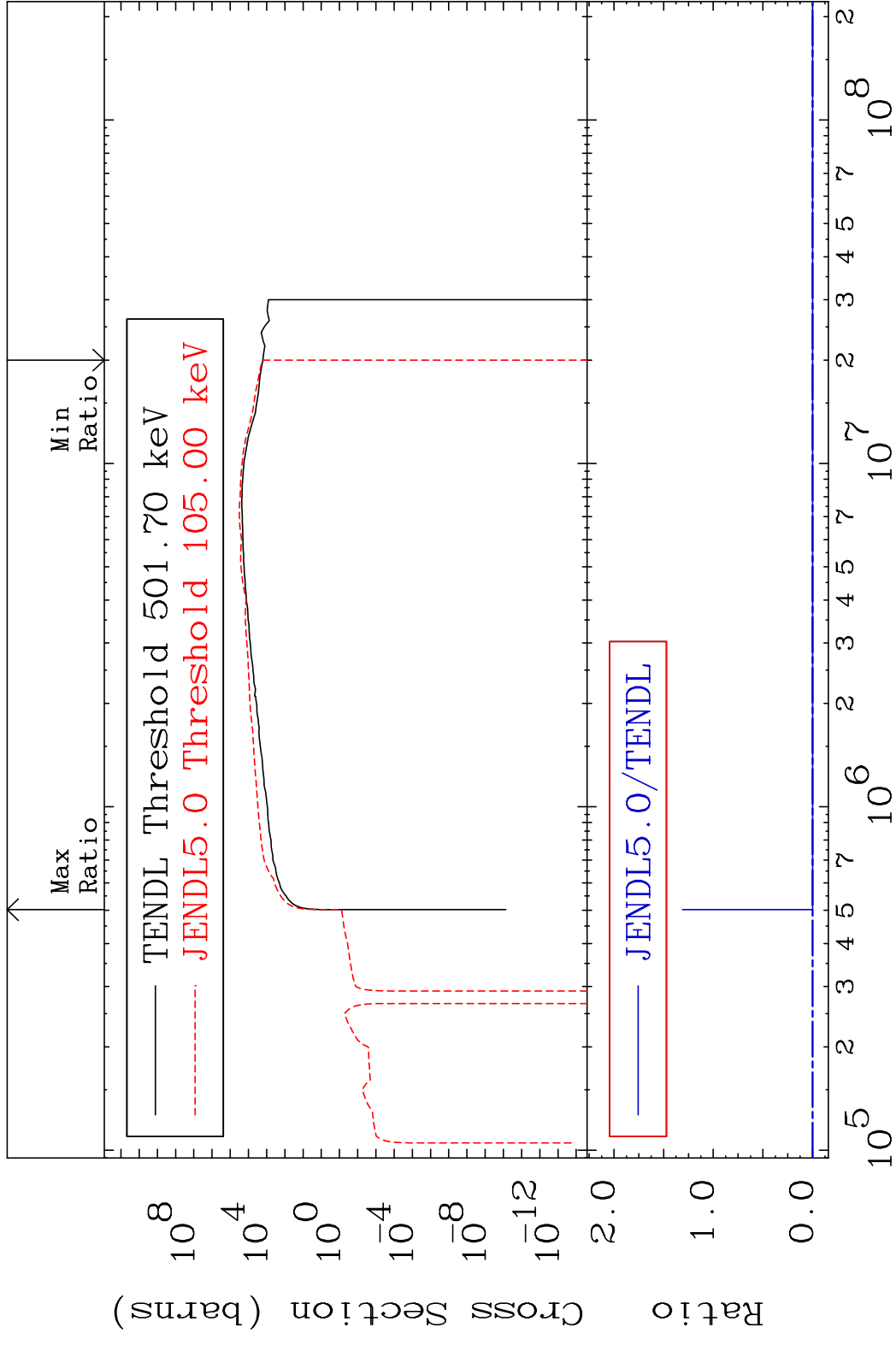
Incident Energy (eV)

50-Sn-115

MAT 5034 Kerma non-elastic (all but mt2) 50-Sn-115
 Cross Section -99.99 To 9999. %

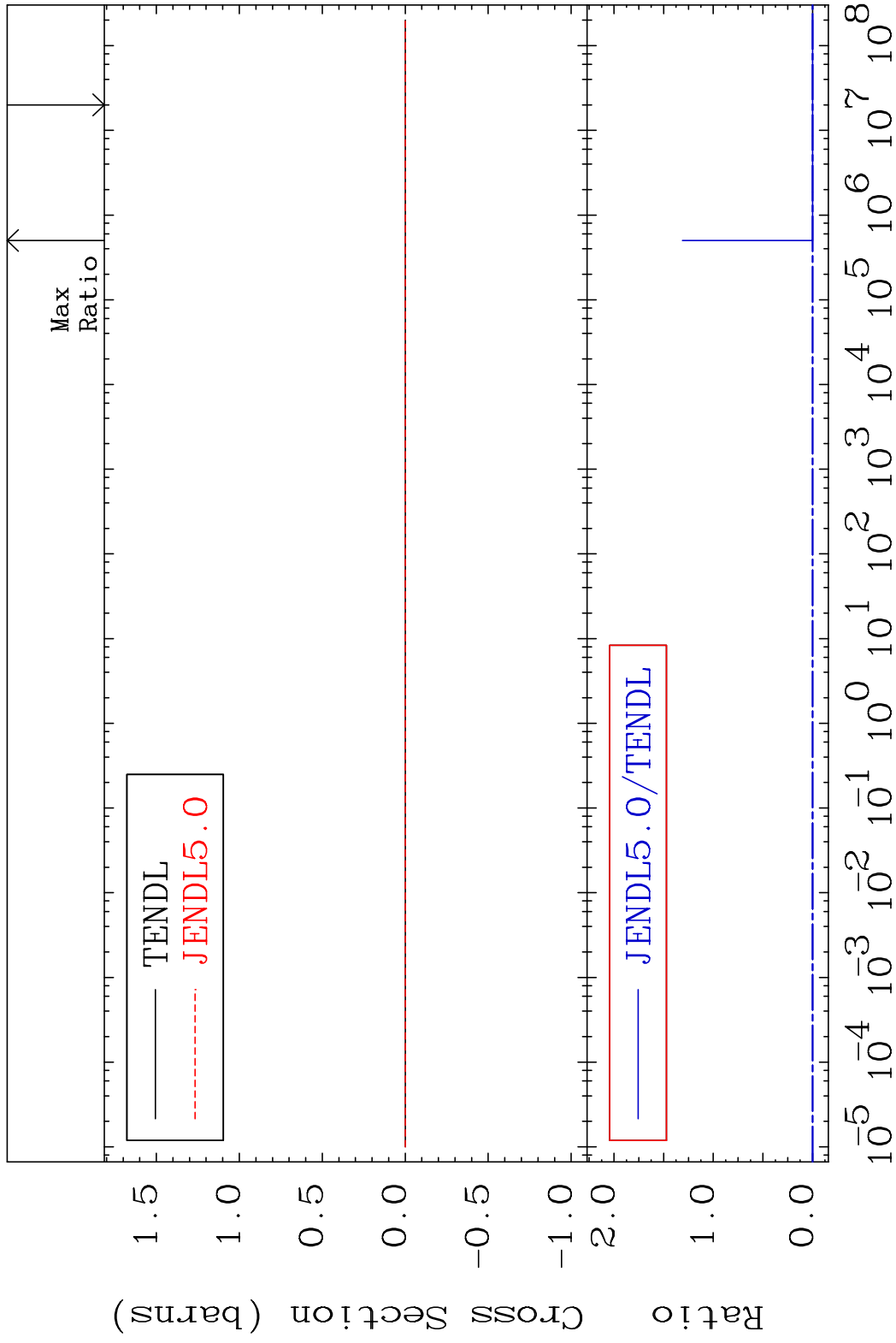


MAT 5034 Kerma inelastic (mt51-91) 50-Sn-115
 Cross Section -100.0 To 9999. %



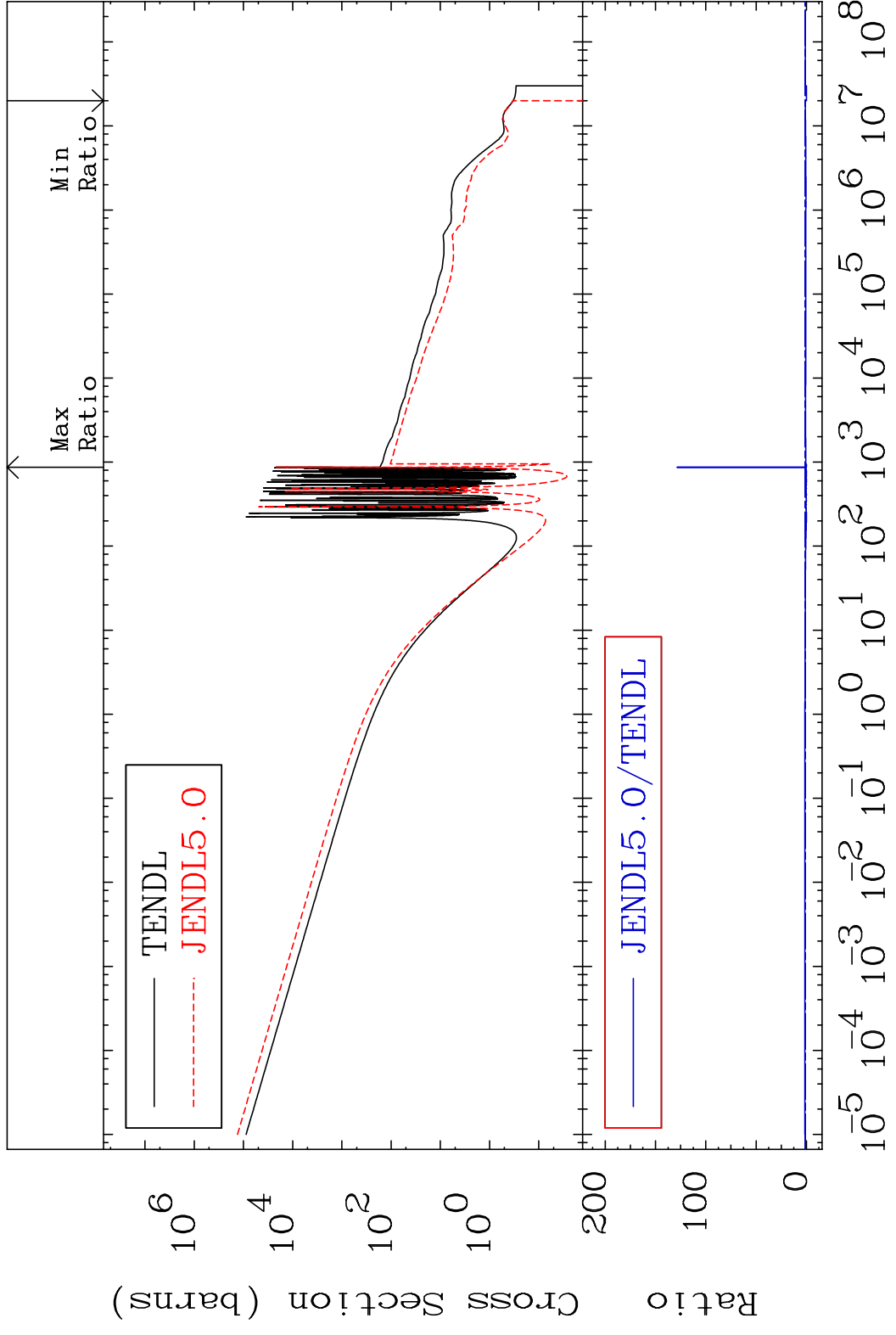
49 Incident Energy (eV) 50-Sn-115

MAT 5034 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-115
 Cross Section -100.0 To 9999. %

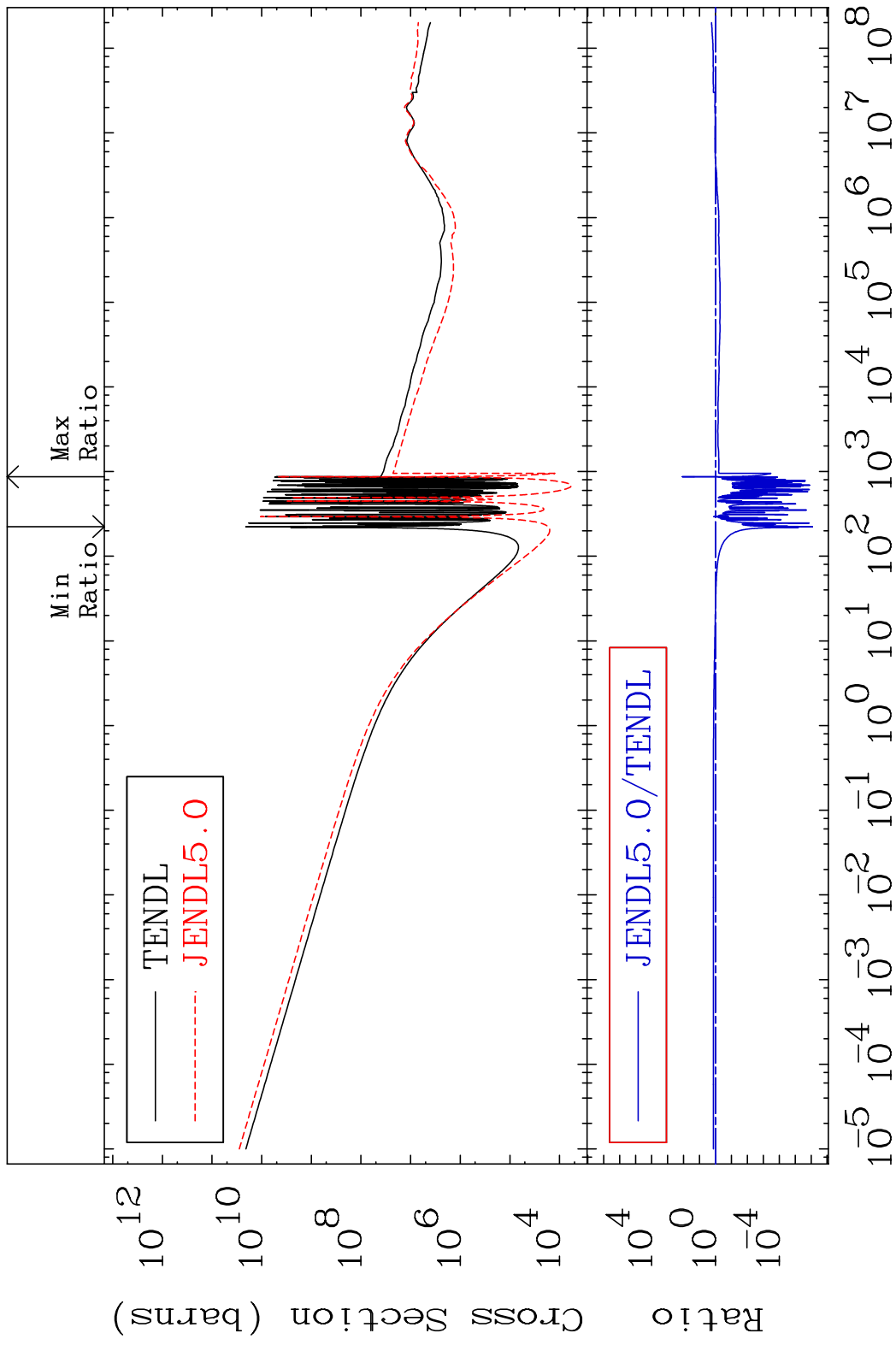


50 Incident Energy (eV) 50-Sn-115

MAT 5034 Kerma capture (mt102) 50-Sn-115
 Cross Section -100.0 To 9999. %

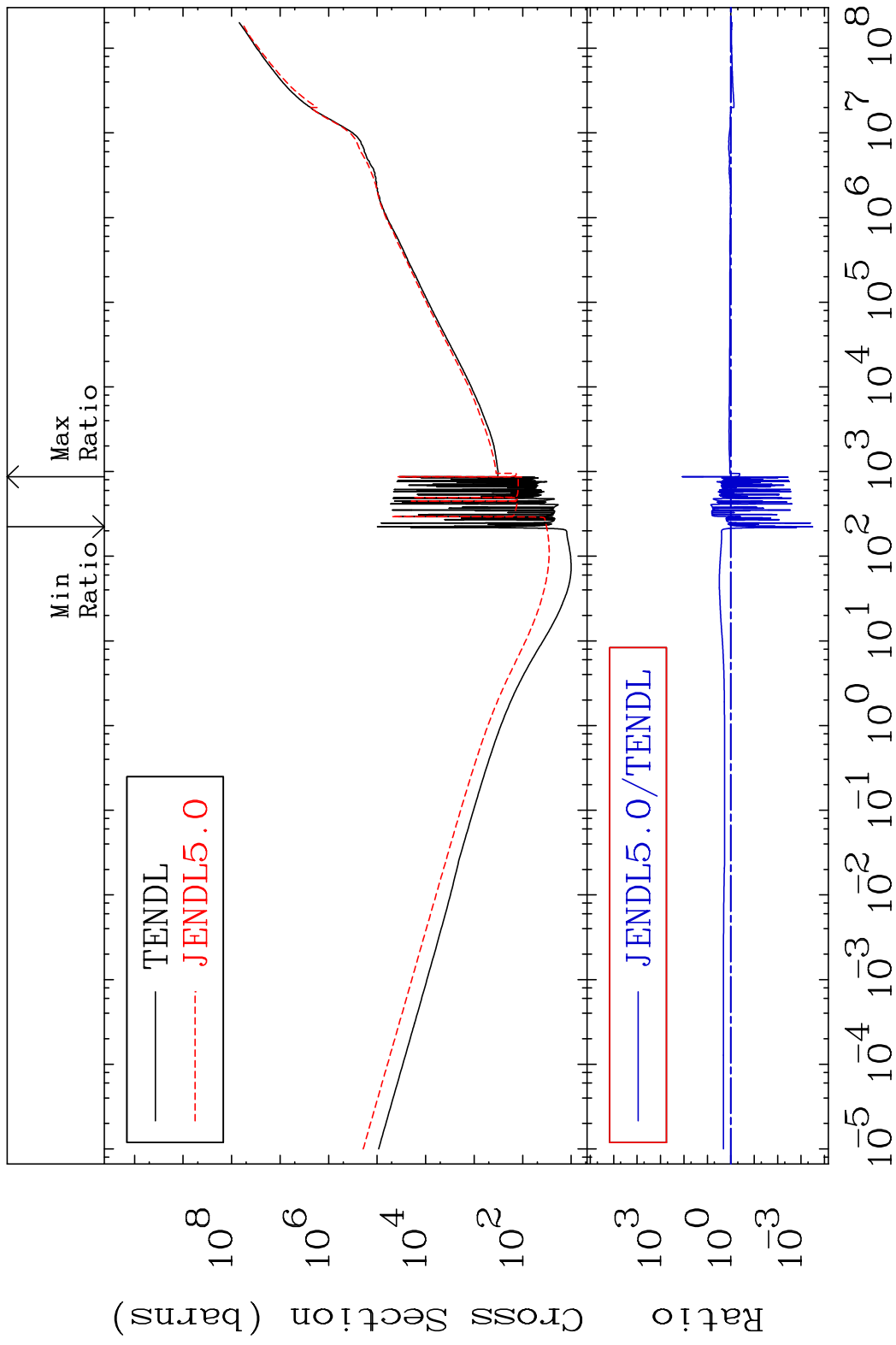


MAT 5034 Total photon (eV-barns) 50-Sn-115
 Cross Section -100.0 To 9999. %

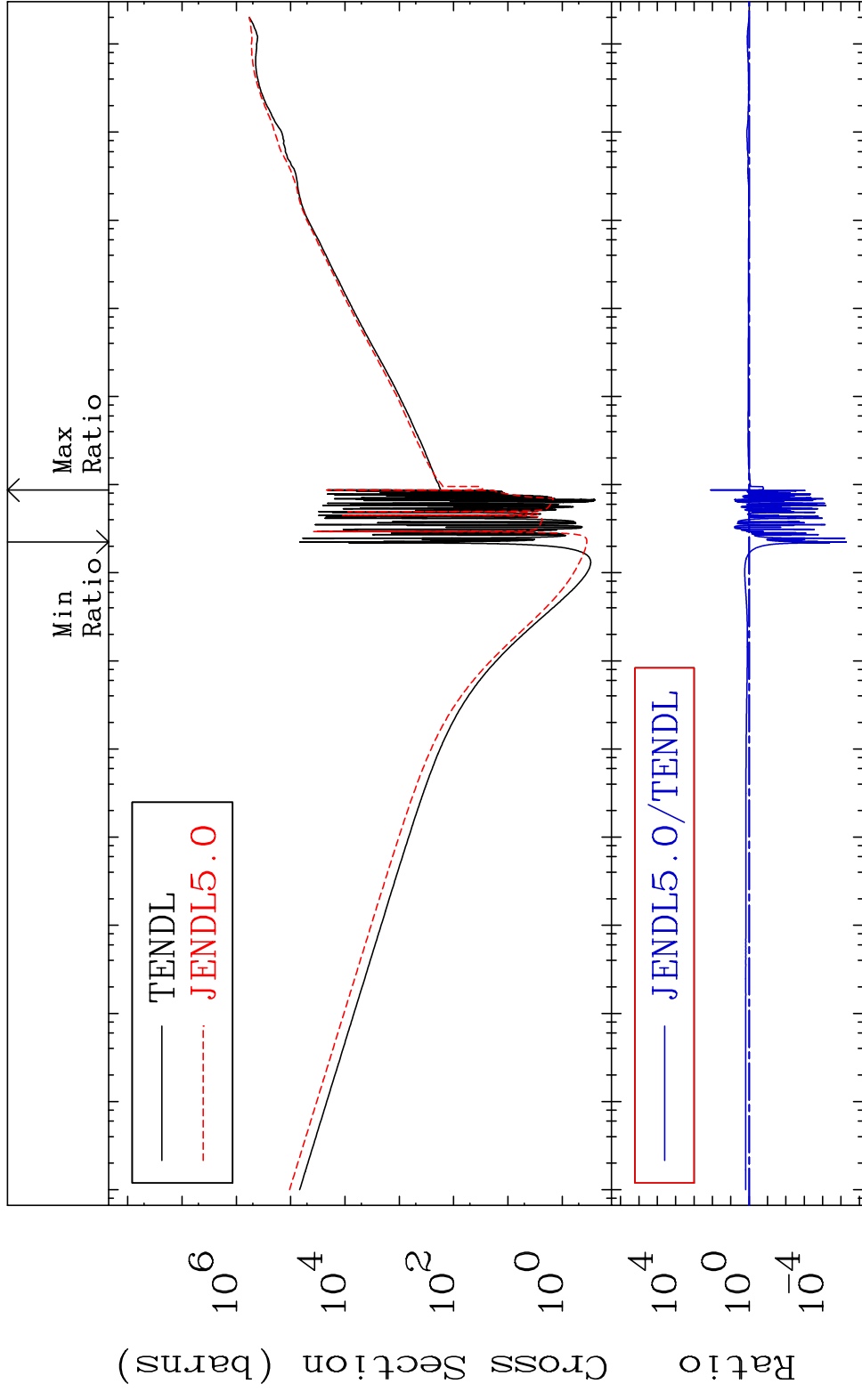


52 Incident Energy (eV) 50-Sn-115

MAT 5034 Total kinematic kerma (high limit) 50-Sn-115
 Cross Section -99.97 To 9999. %



MAT 5034 Dpa total (eV-barns) 50-Sn-115
 Cross Section -100.0 To 9999. %

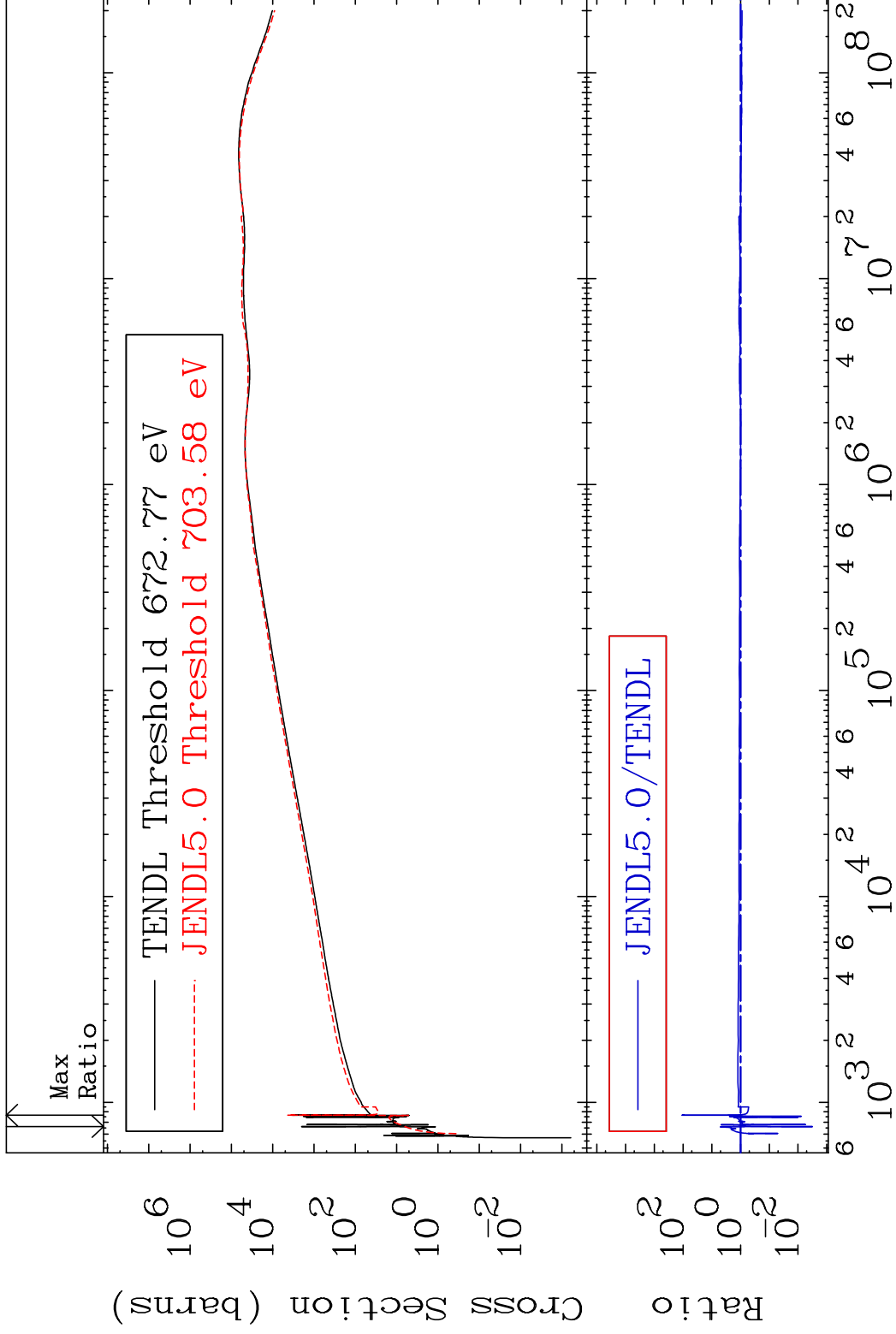


MAT 5034

Dpa elastic (mt2)

50-Sn-115

Cross Section -99.69 To 9999. %

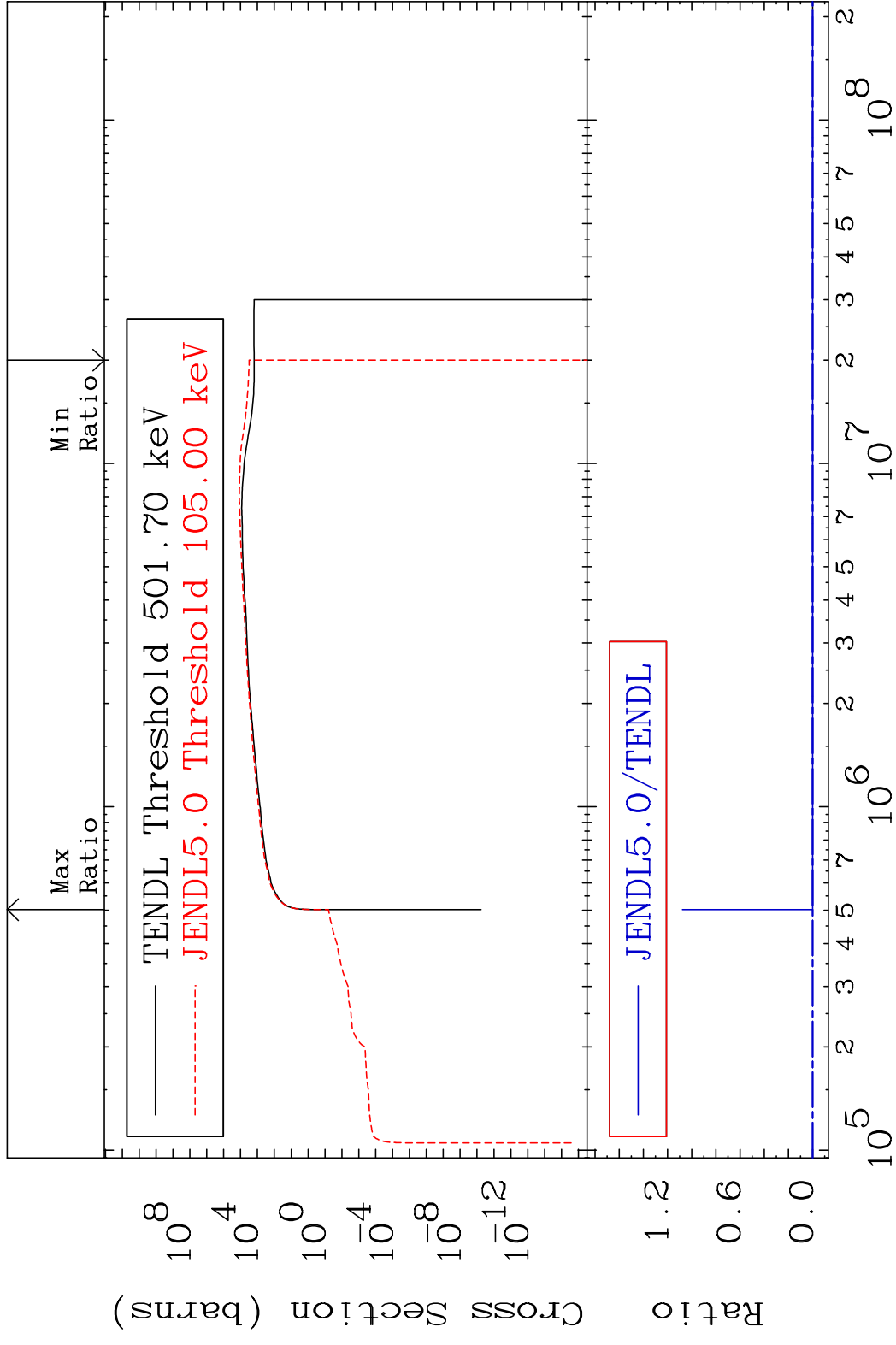


55

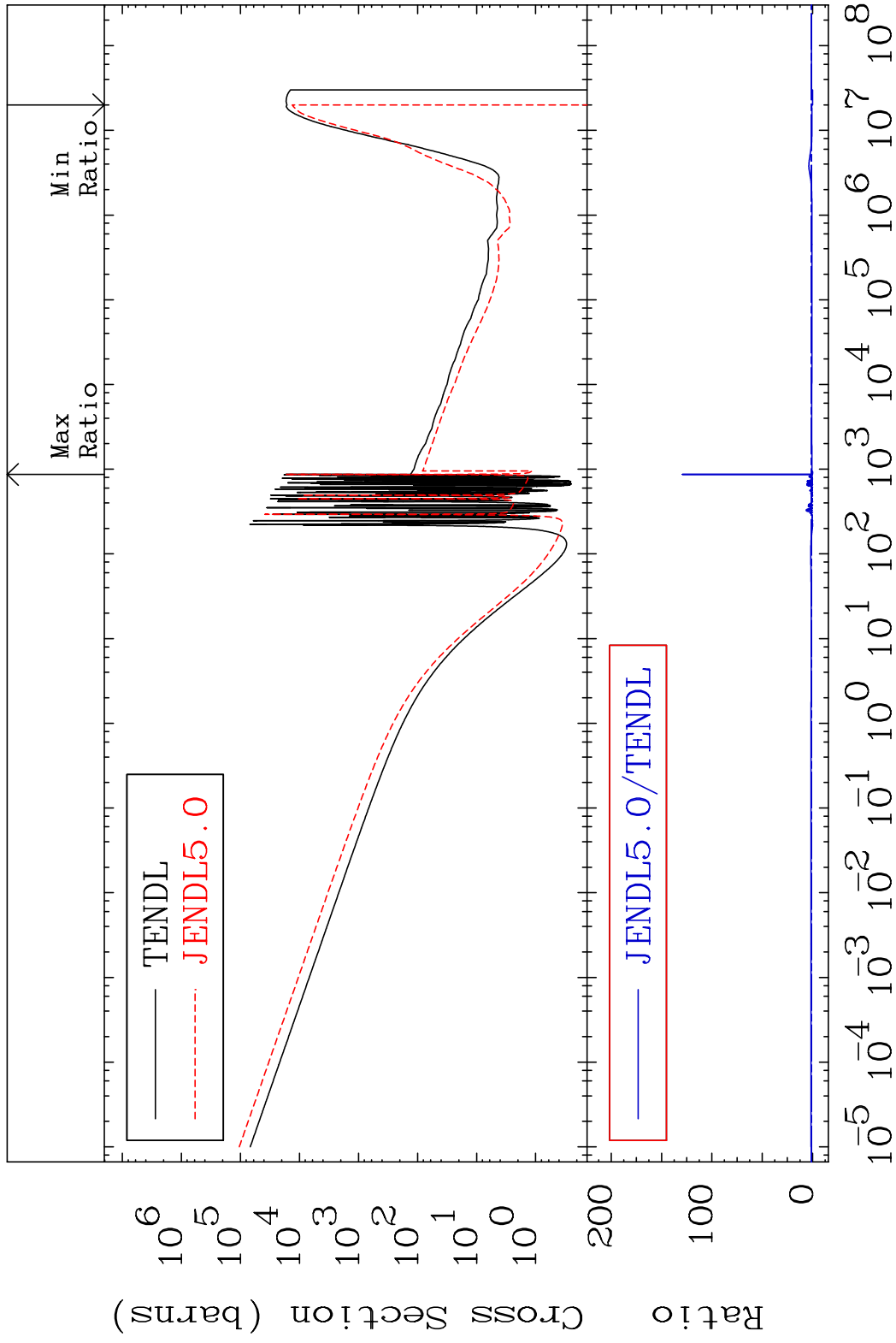
Incident Energy (eV)

50-Sn-115

MAT 5034 Dpa inelastic (mt51-91) 50-Sn-115
 Cross Section -100.0 To 9999. %

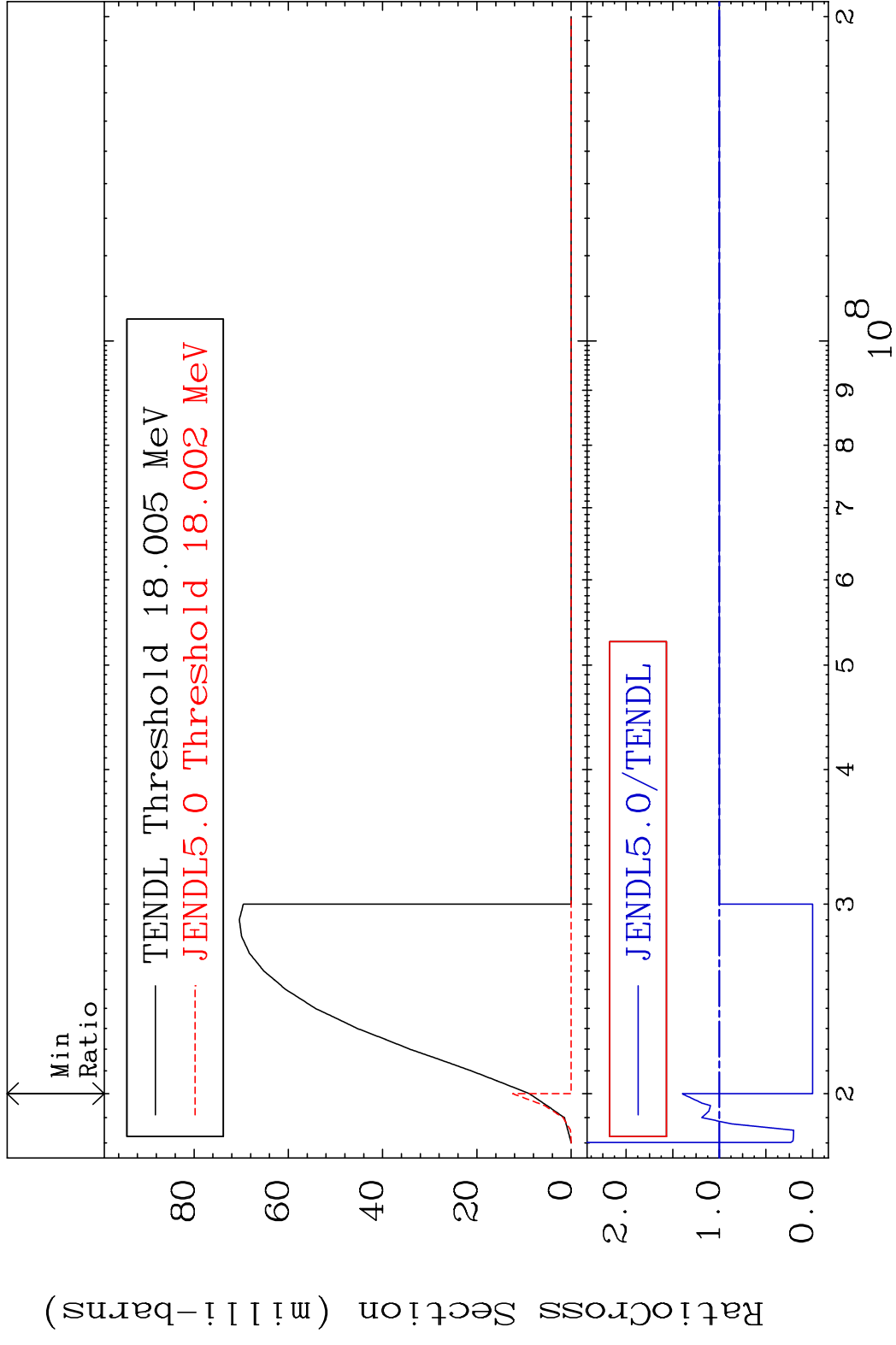


MAT 5034 Dpa disappearance (mt102 -120) 50-Sn-115
 Cross Section -100.0 To 9999. %

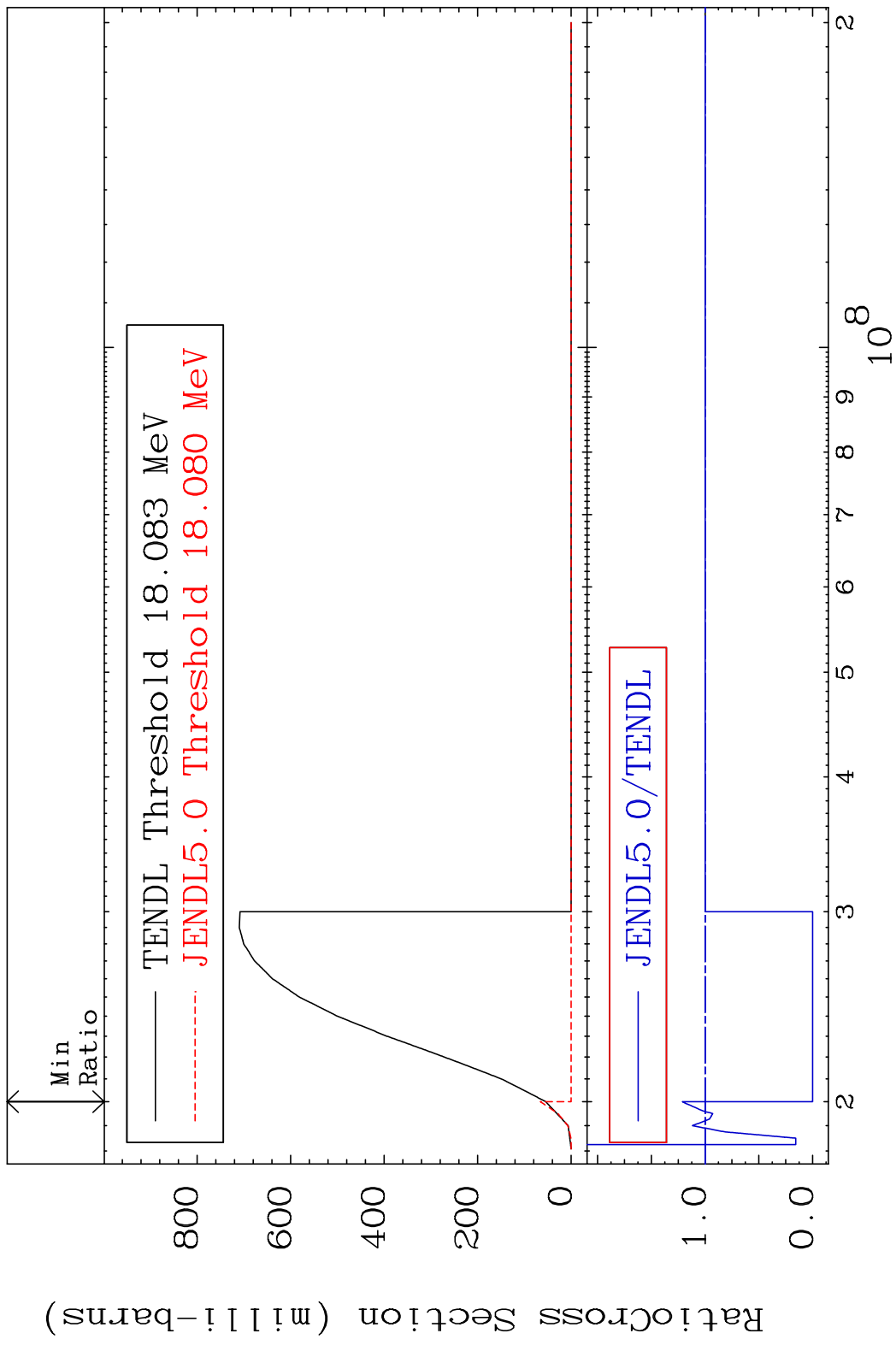


57 Incident Energy (eV) 50-Sn-115

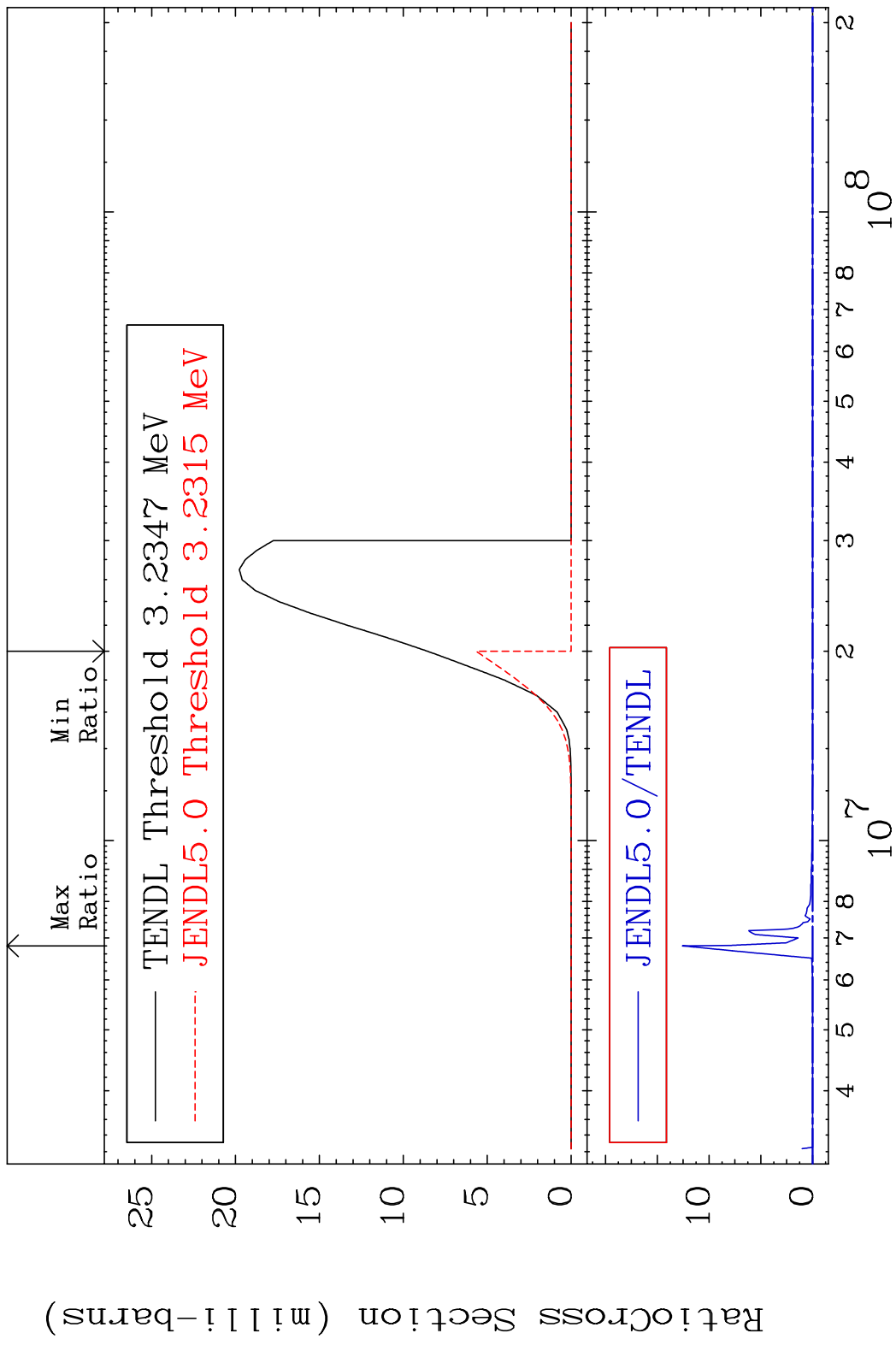
MAT 5034 (n,3n):50-Sn-113g 50-Sn-115
 Radionuclide Production Cross Section 180.01 dth 39.69 %

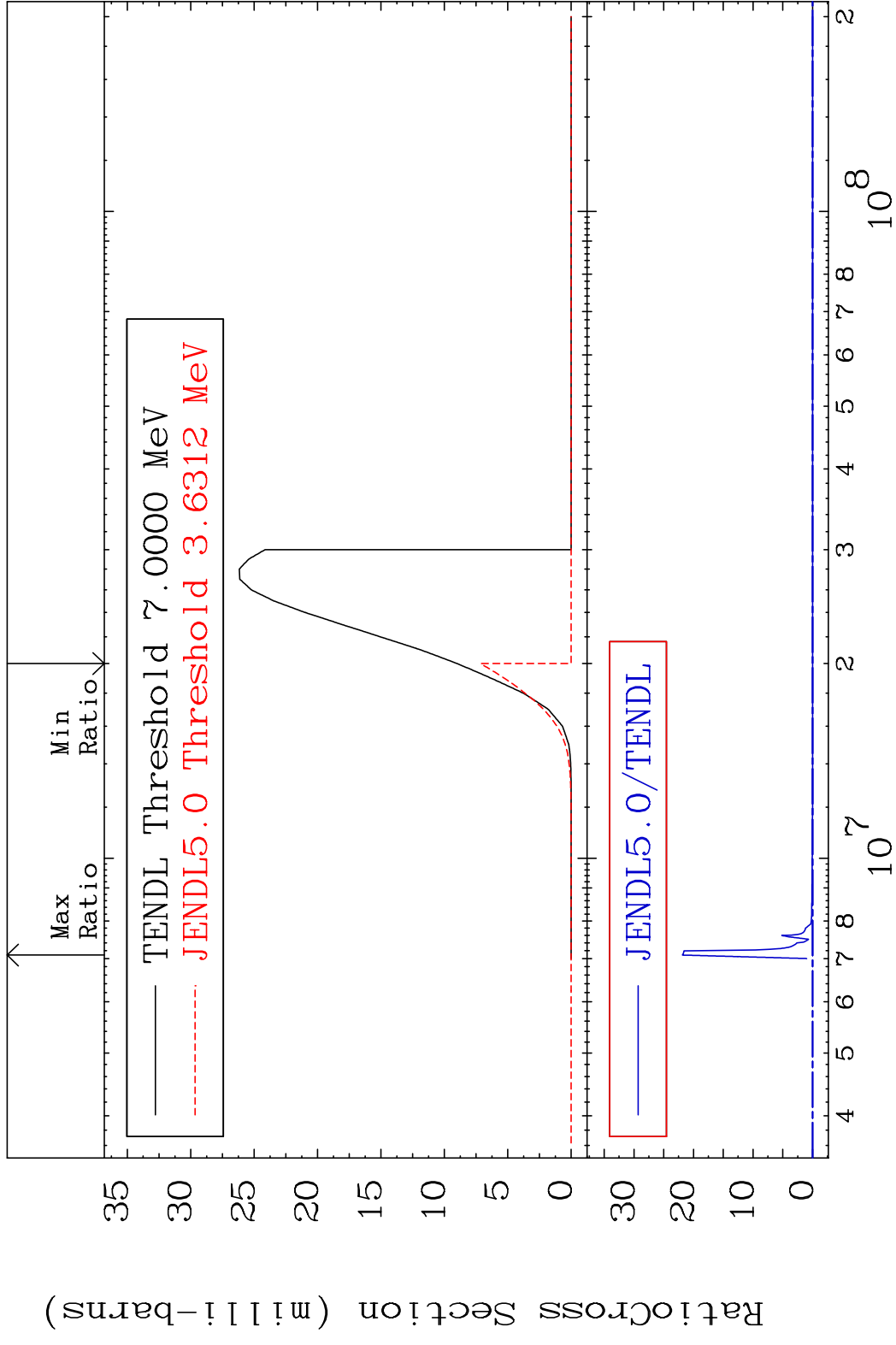


MAT 5034 (n, 3n):50-Sn-113m1 50-Sn-115
 Radionuclide Production Cross Section Ratio 21.17 %

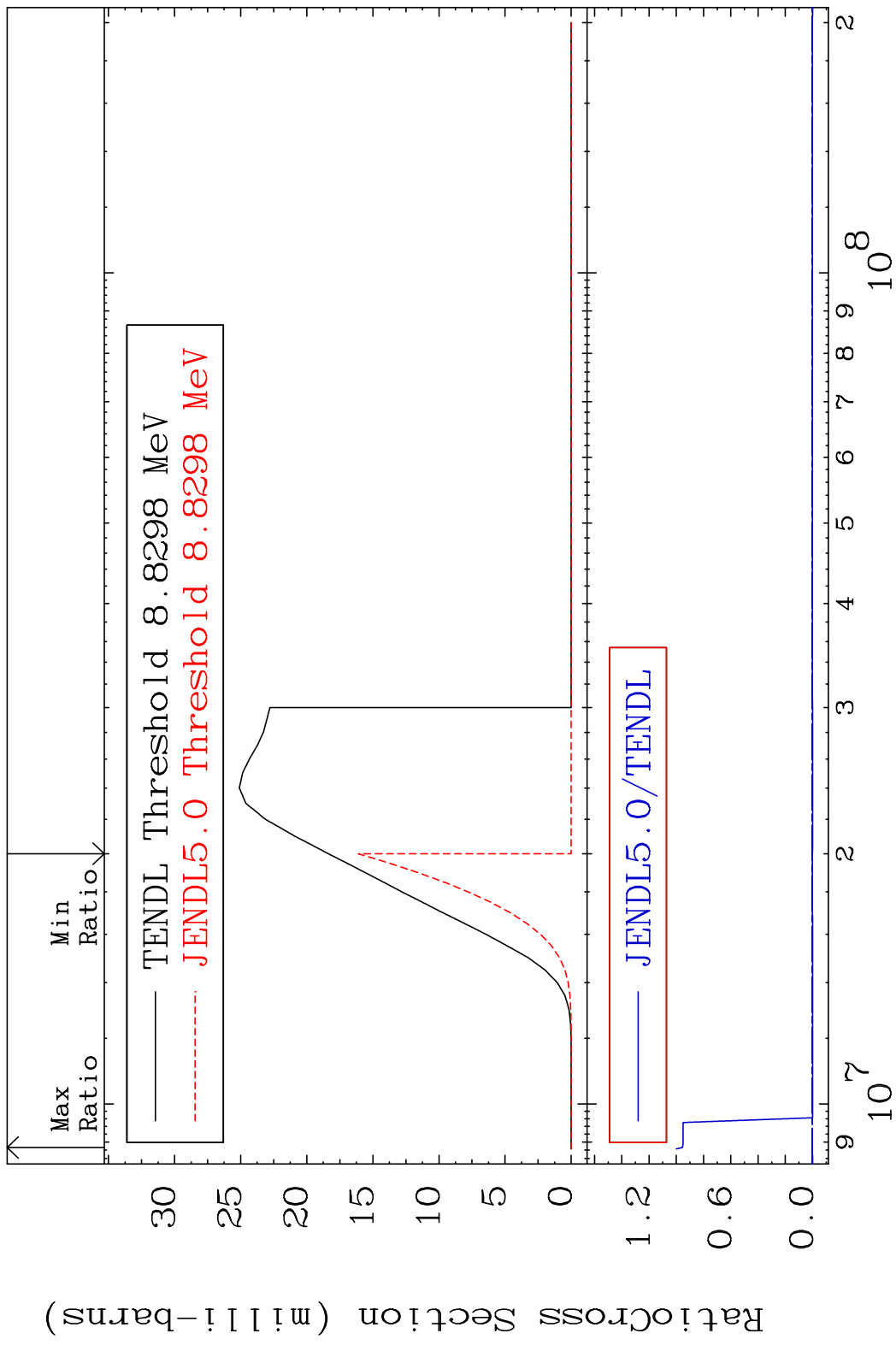


MAT 5034 (n, n') α :48-Cd-111g 50-Sn-115
 Radionuclide Production Cross Section Ratio 9999. %

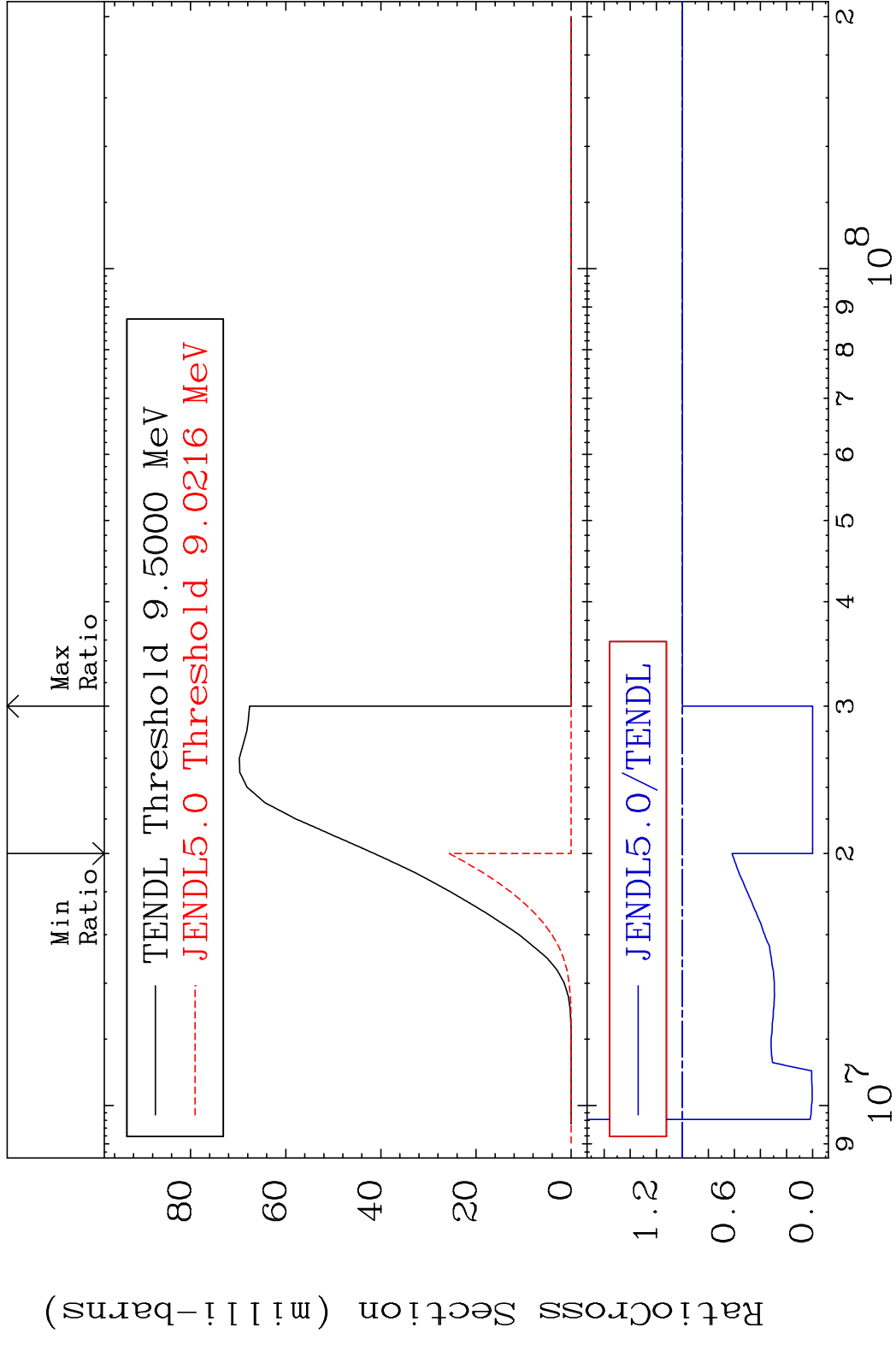


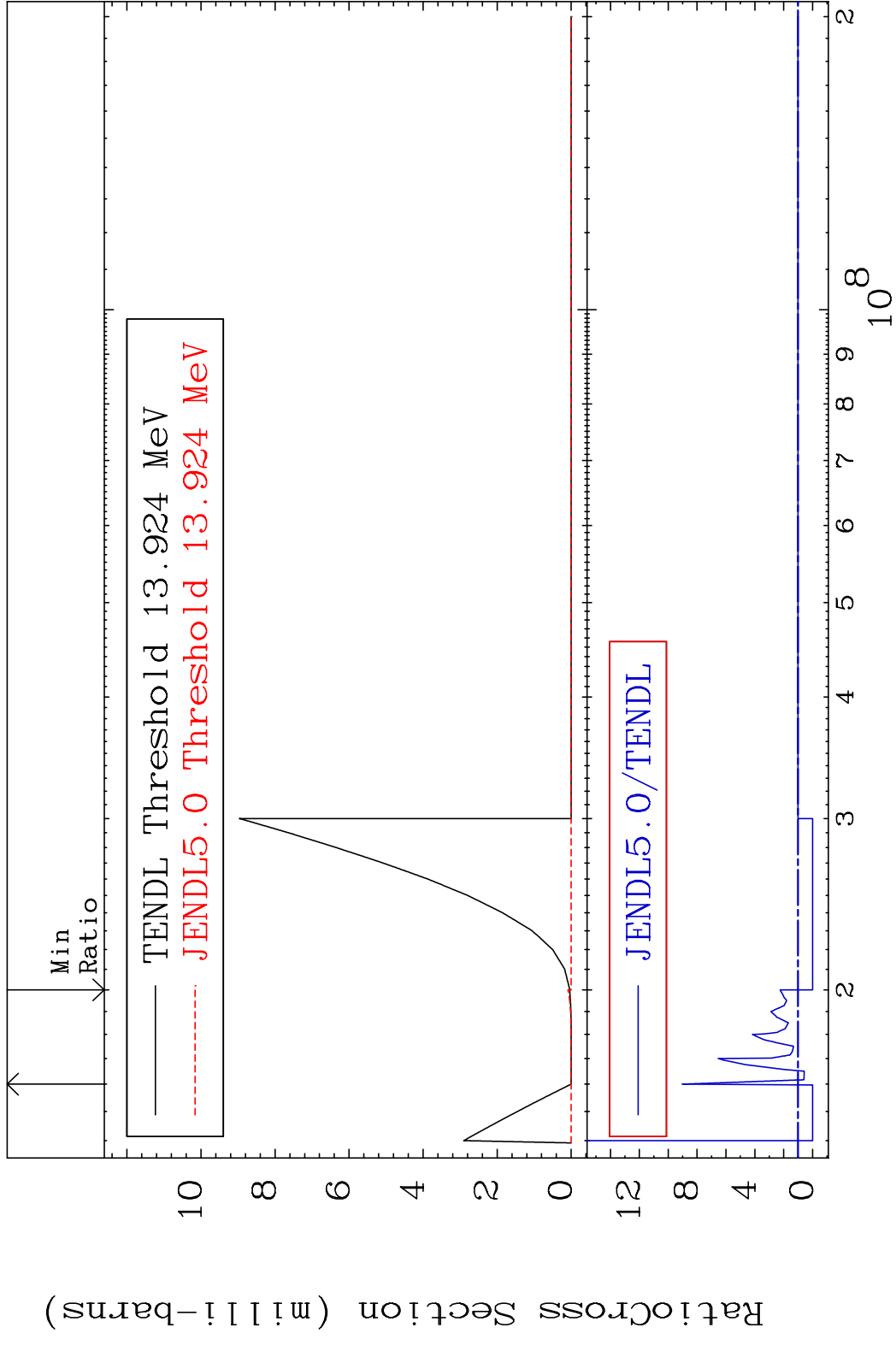


MAT 5034 (n, n') p:49-In-114g 50-Sn-115
 Radionuclide Production Cross Section 1800.0 dth 9999. %

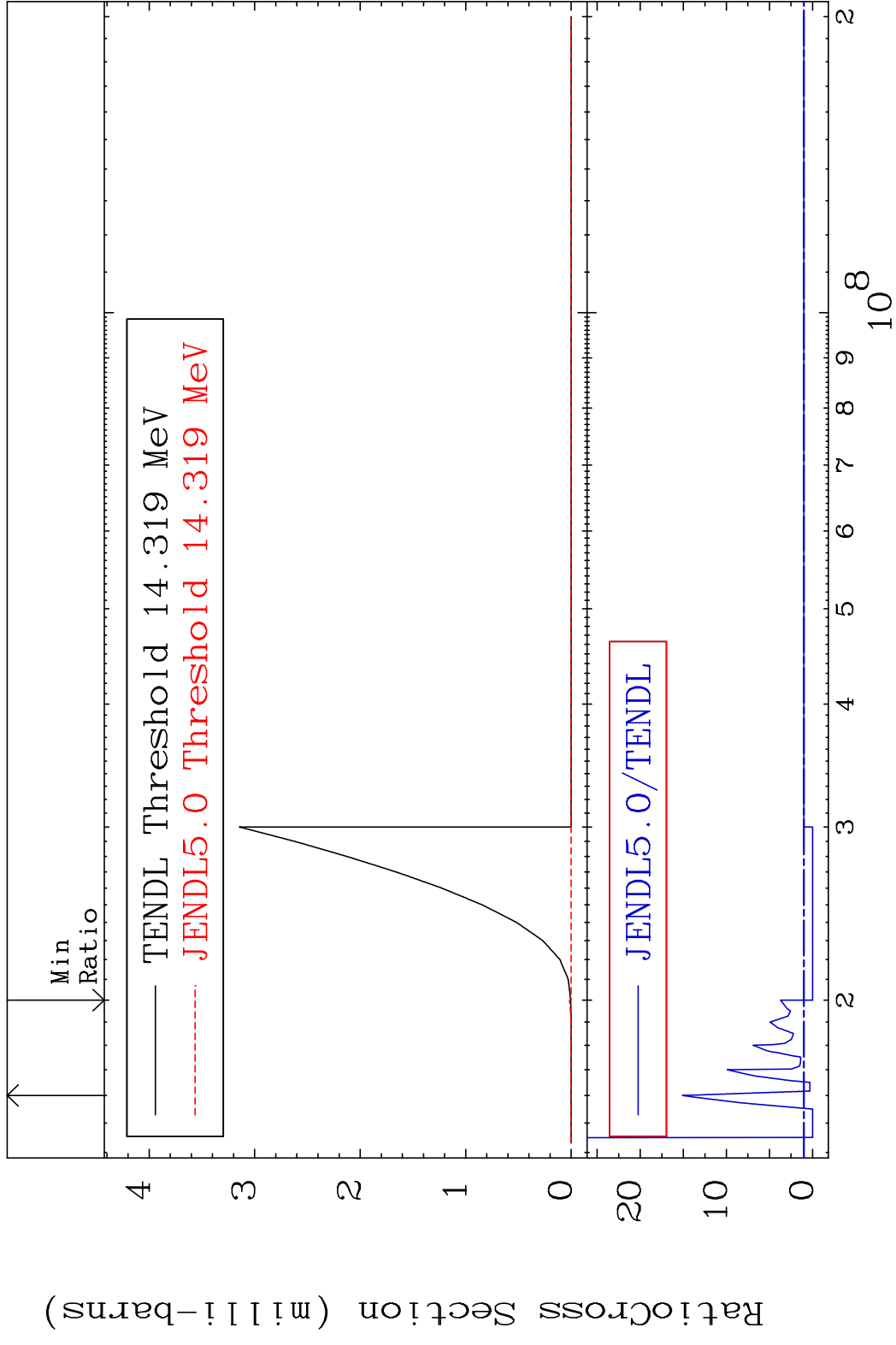


MAT 5034 (n, n') p:49-In-114m1 50-Sn-115
 Radionuclide Production Cross Section 180.01 dth 0.000 %

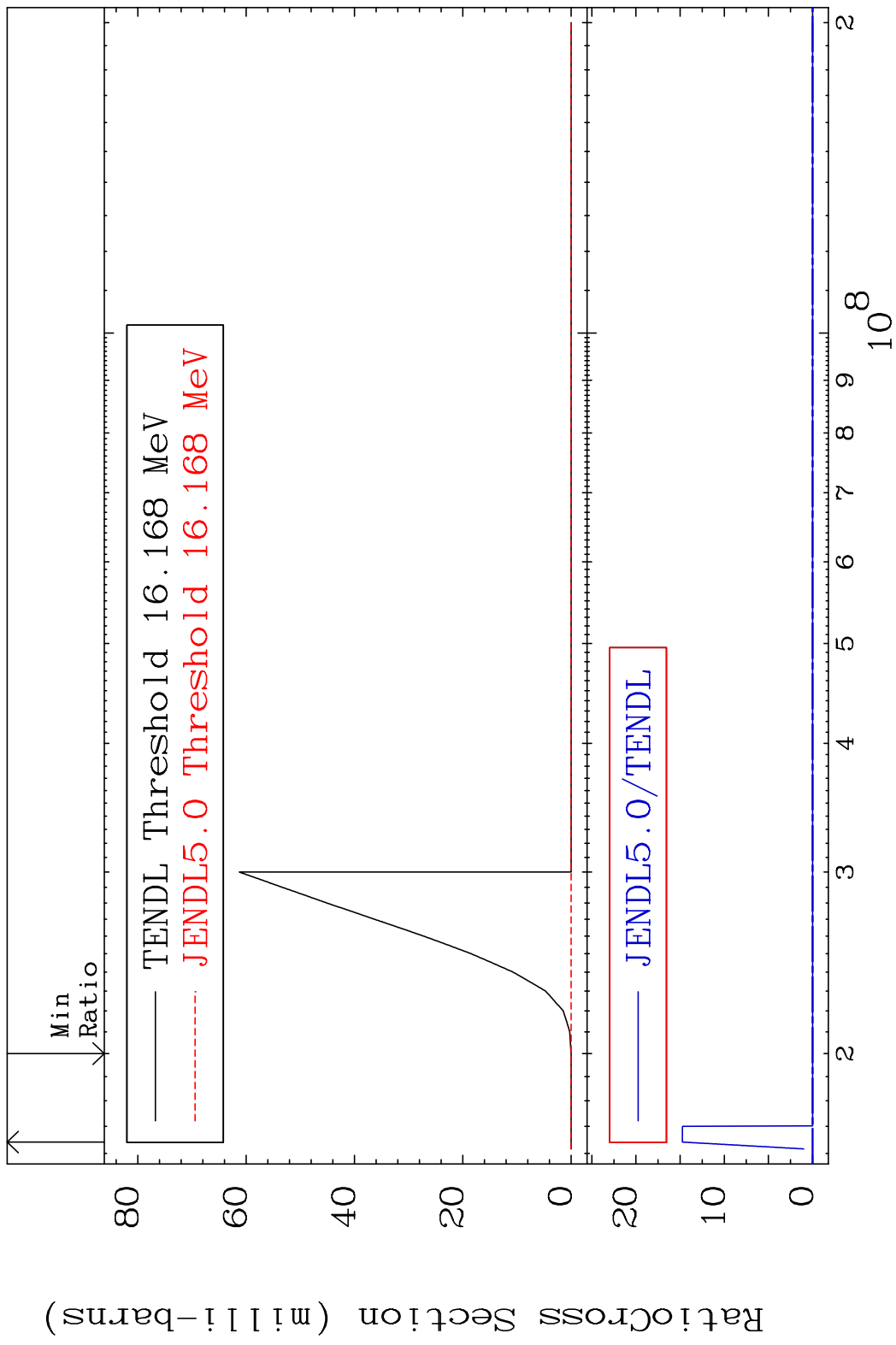


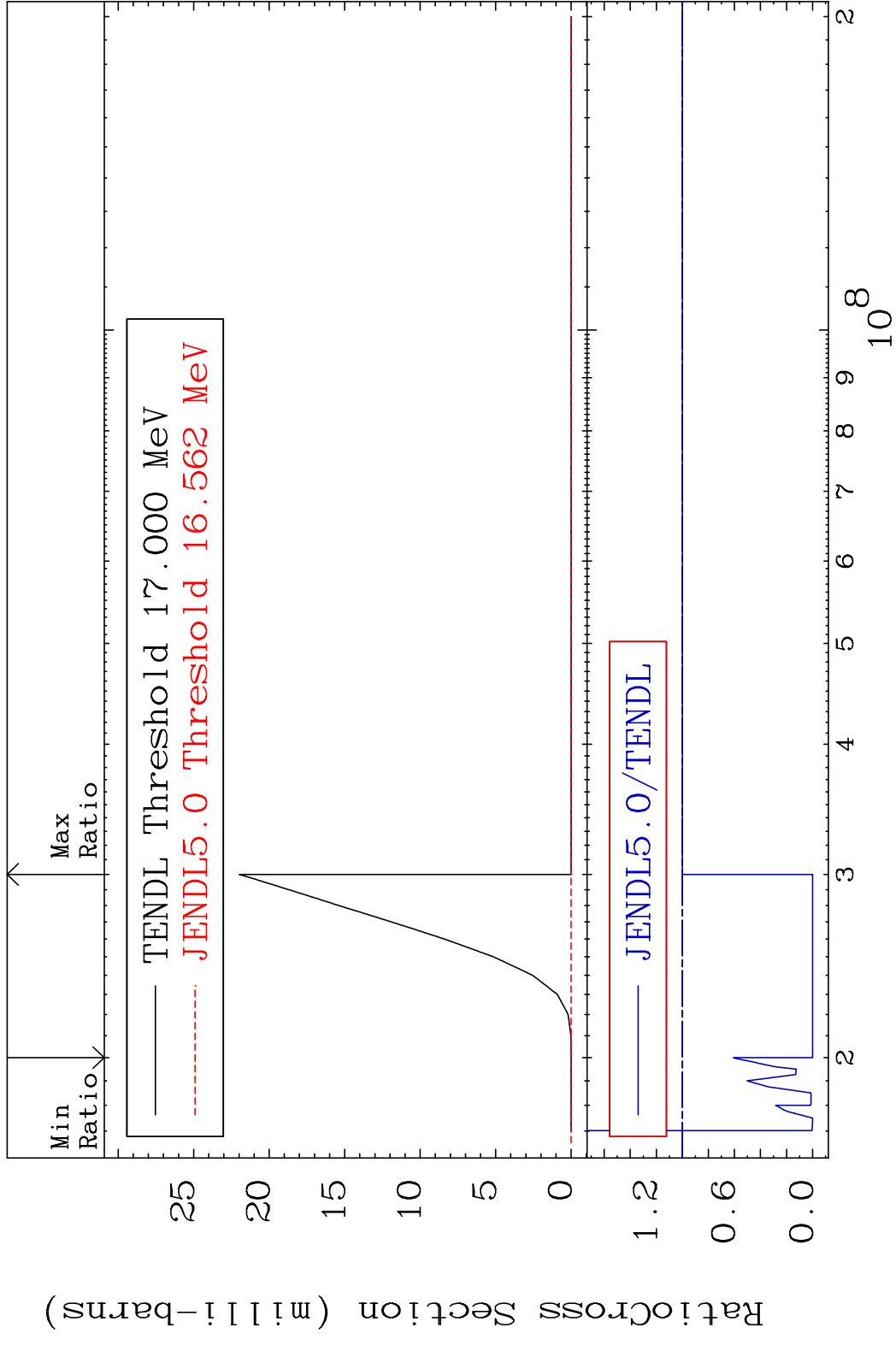


MAT 5034 (n, n') d:49-In-113m1 50-Sn-115
 Radionuclide Production Cross Section 1411. %

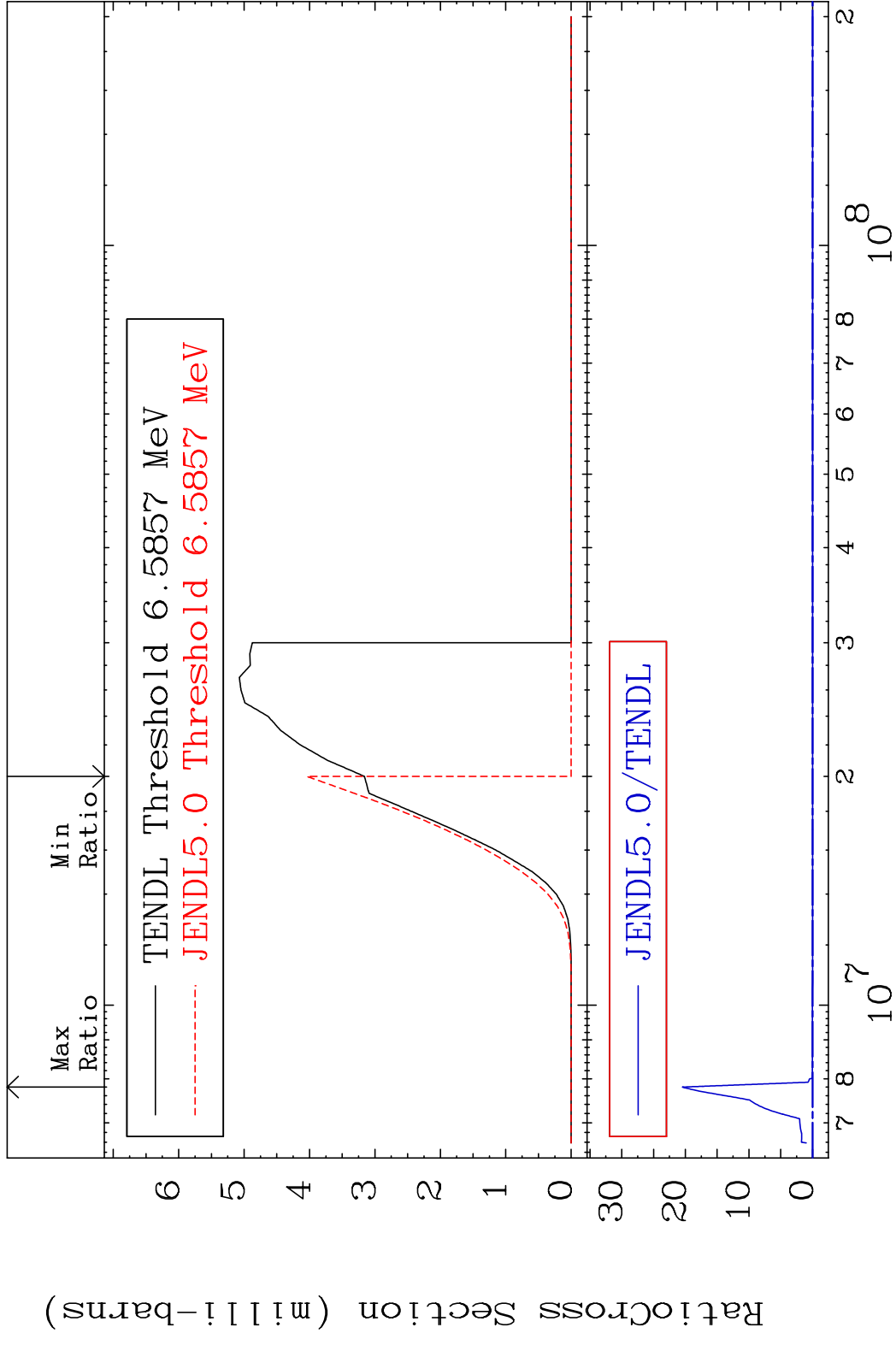


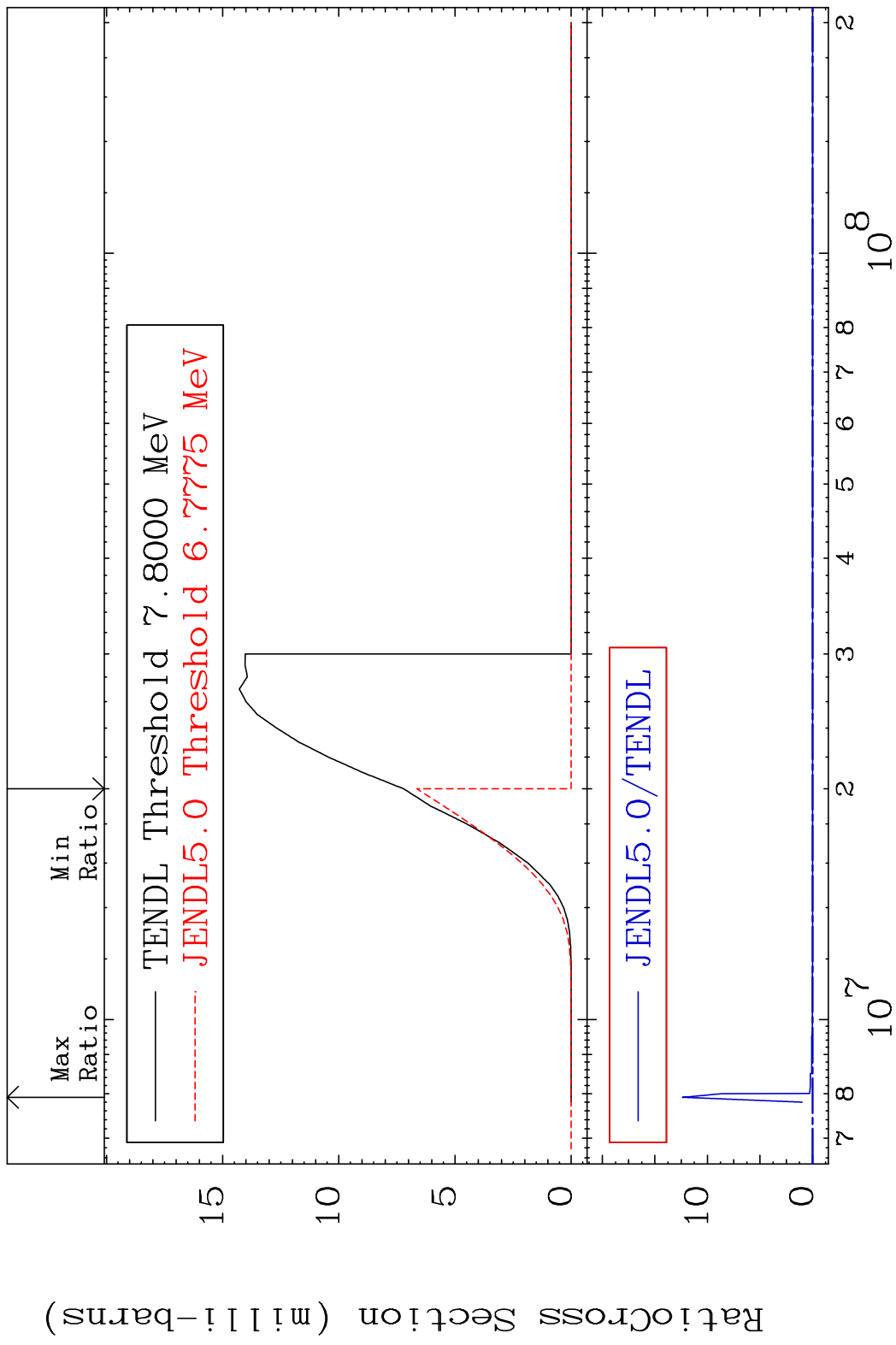
MAT 5034 (n,2n) p:49-In-113g 50-Sn-115
 Radionuclide Production Cross Section 100.00 %



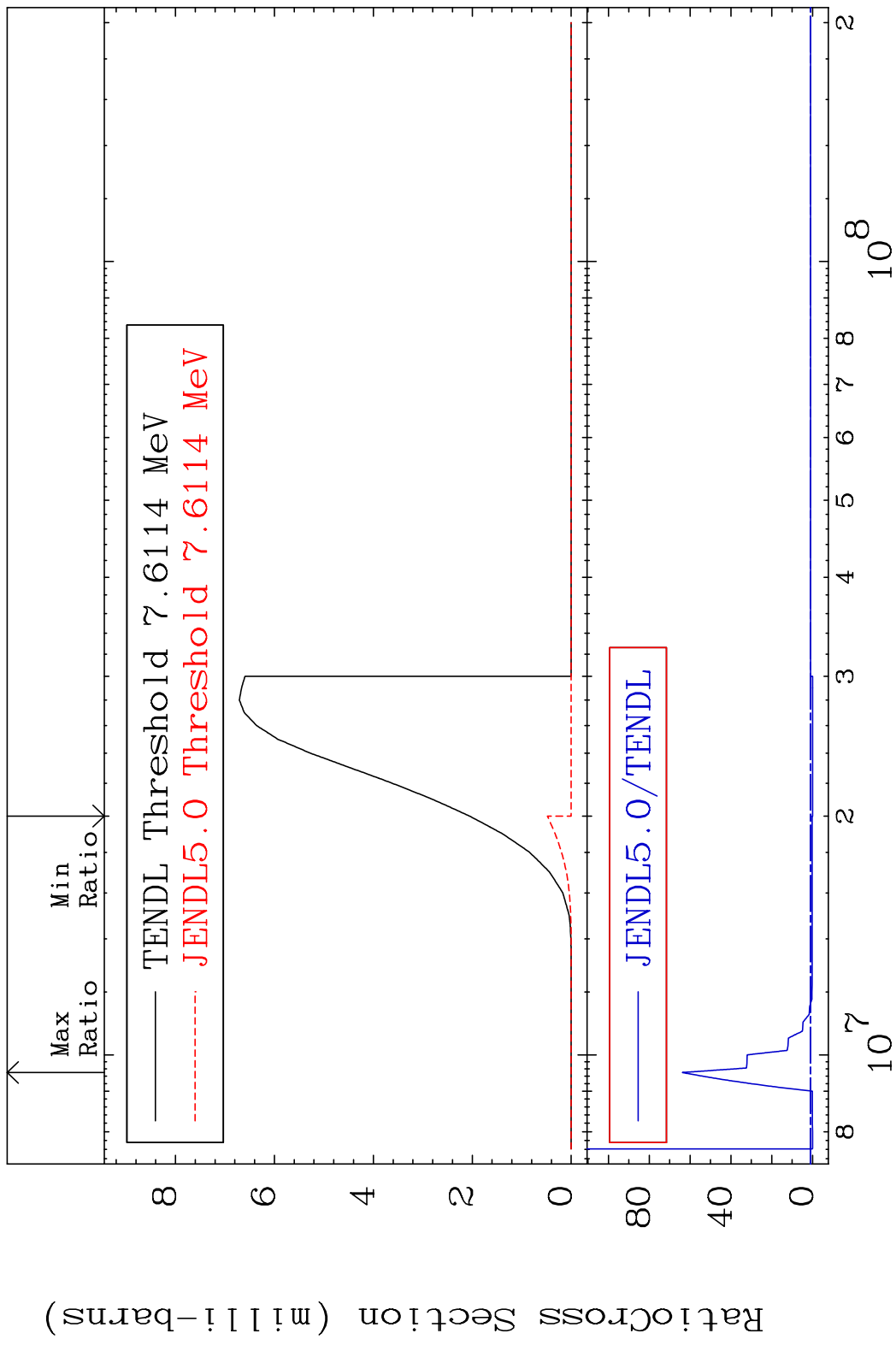


MAT 5034 (n,d):49-In-114g 50-Sn-115
 Radionuclide Production Cross Section 100% 9999. %





MAT 5034 (n, t): 49-In-113g 50-Sn-115
 Radionuclide Production Cross Section Ratio 6278. %



70 Incident Energy (eV) 50-Sn-115

MAT 5034 (n, t): 49-In-113m1 50-Sn-115
 Radionuclide Production Cross Section Ratio 31.27 %

