

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

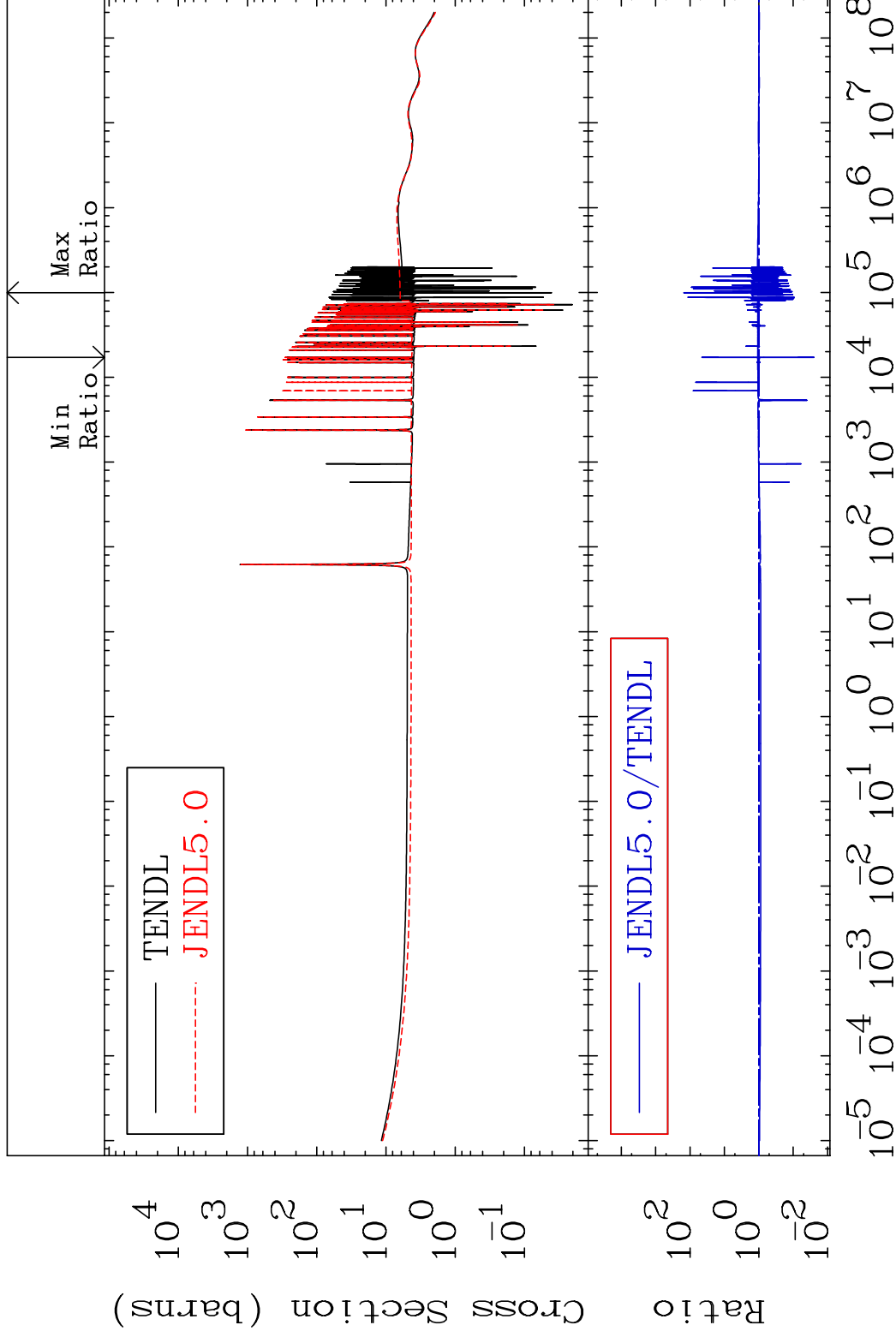
MAT 5061

Total

50-Sn-124

Cross Section

-97.53 To 9999. %



1

Incident Energy (eV)

50-Sn-124

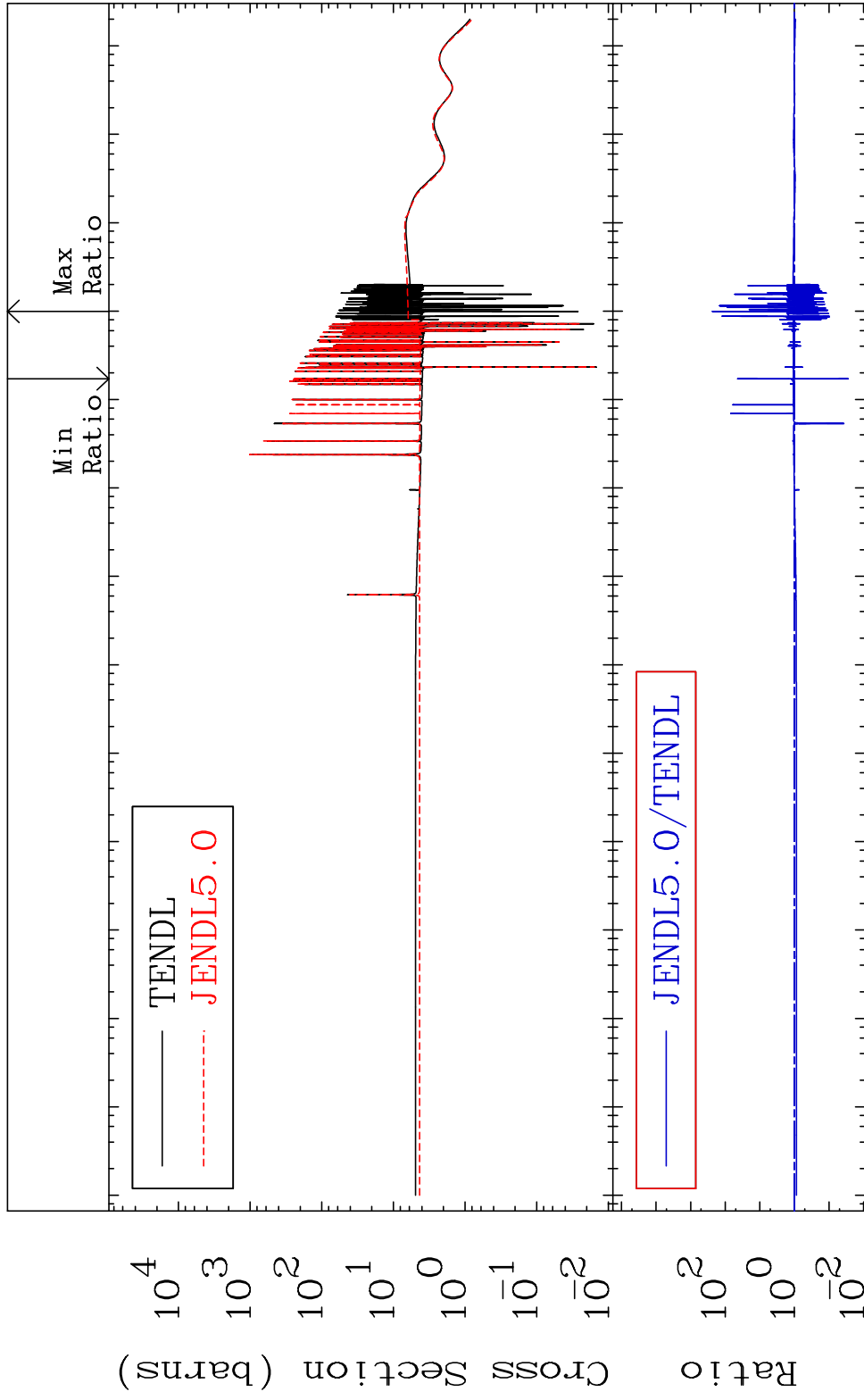
MAT 5061

Elastic

50-Sn-124

Cross Section

-97.23 To 9999. %

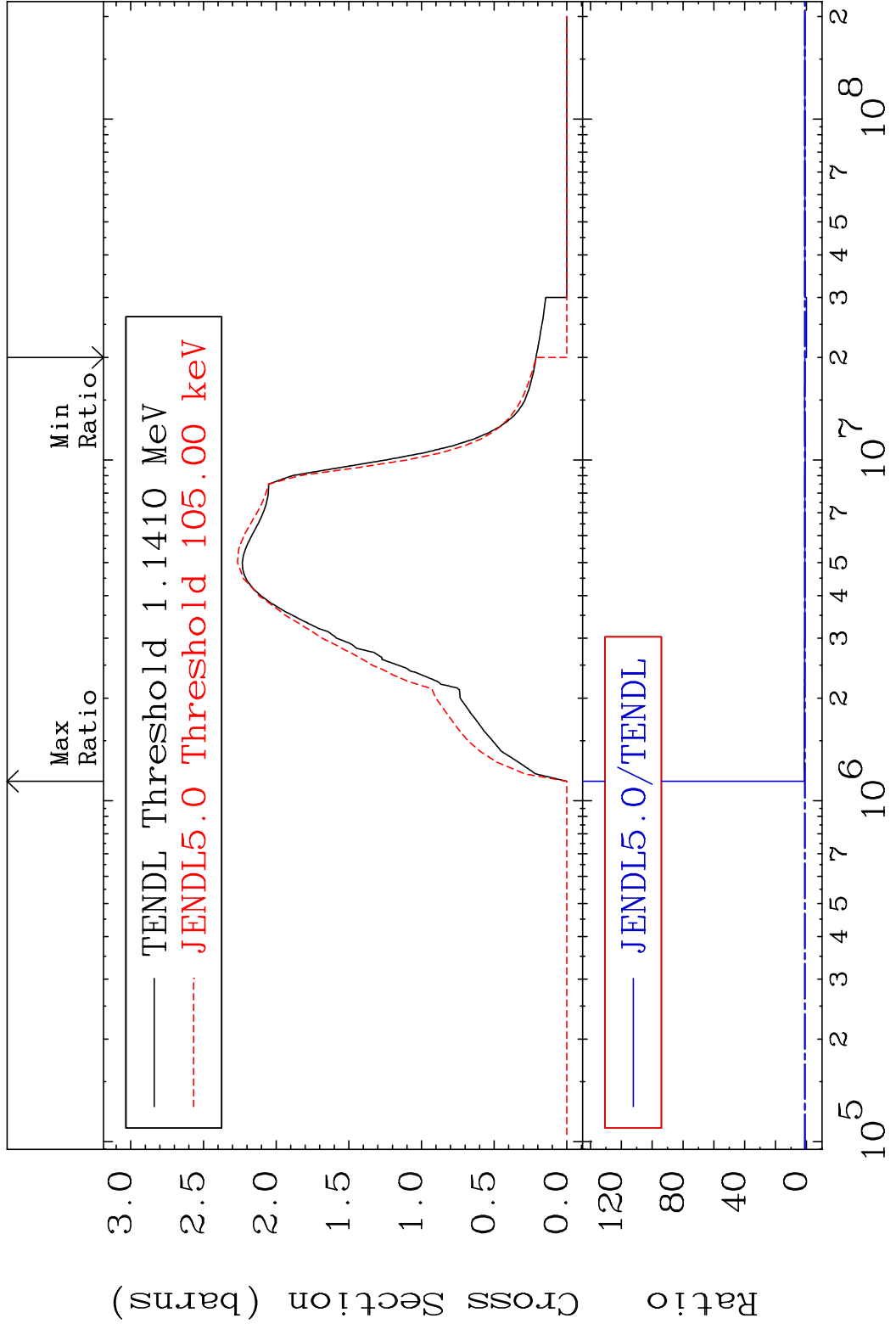


2

Incident Energy (eV)

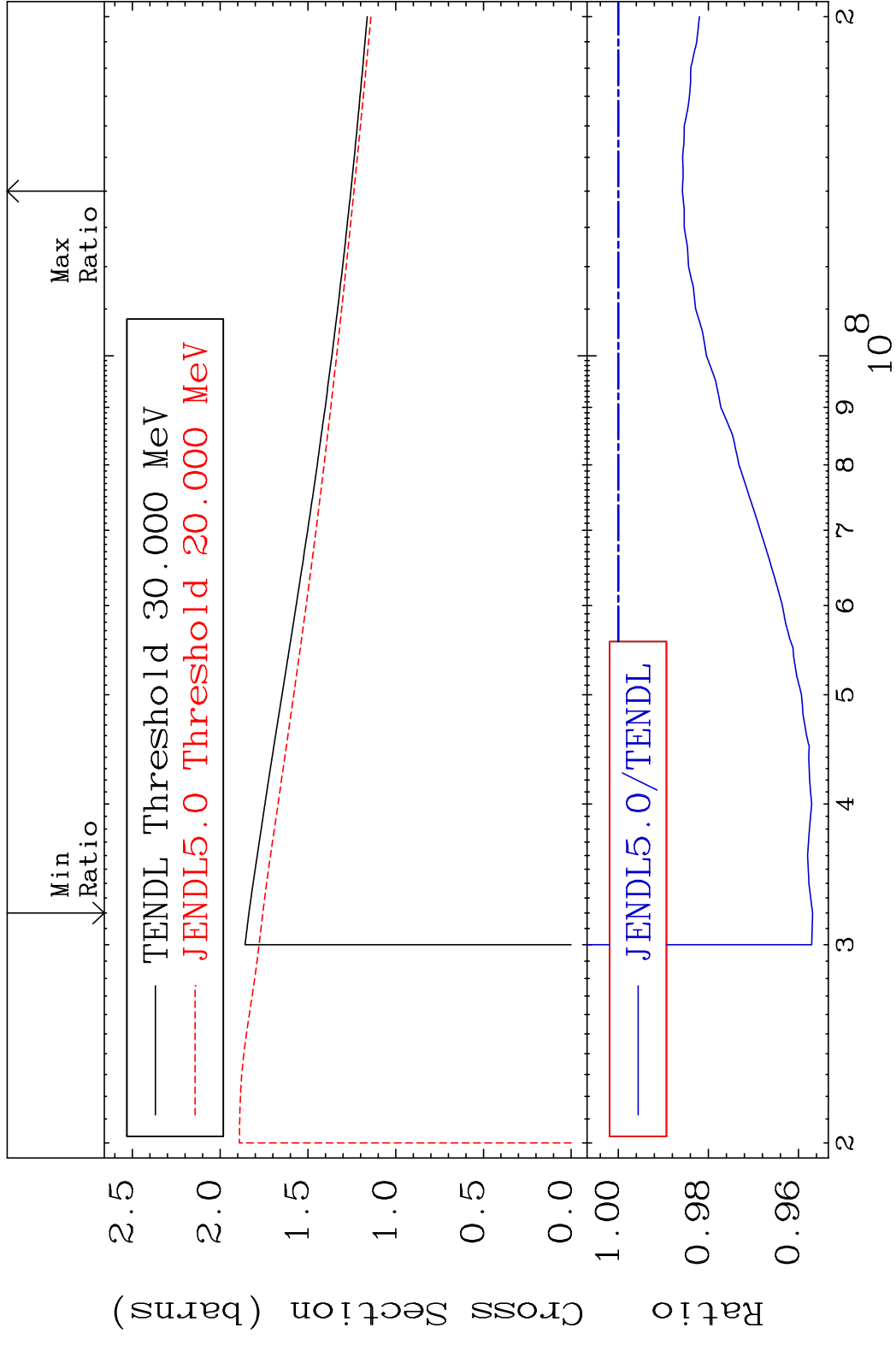
50-Sn-124

MAT 5061 Inelastic Cross Section -100.0 To 8278. % 50-Sn-124



3 Incident Energy (eV) 50-Sn-124

MAT 5061 (n, remainder) 50-Sn-124
 Cross Section -4.314 To -1.422%



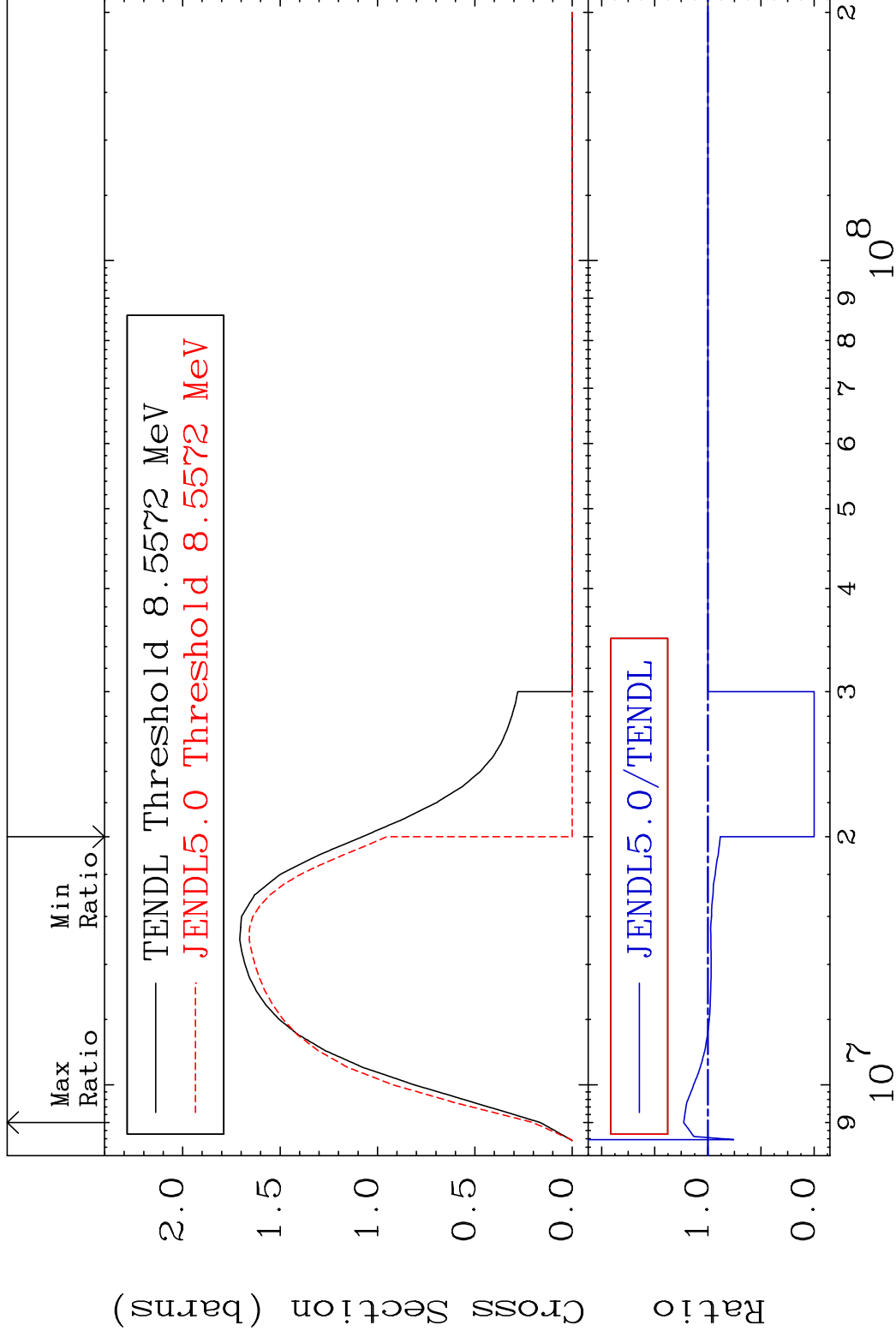
4 Incident Energy (eV) 50-Sn-124

MAT 5061

(n,2n)

50-Sn-124

Cross Section -100.0 To 22.75 %

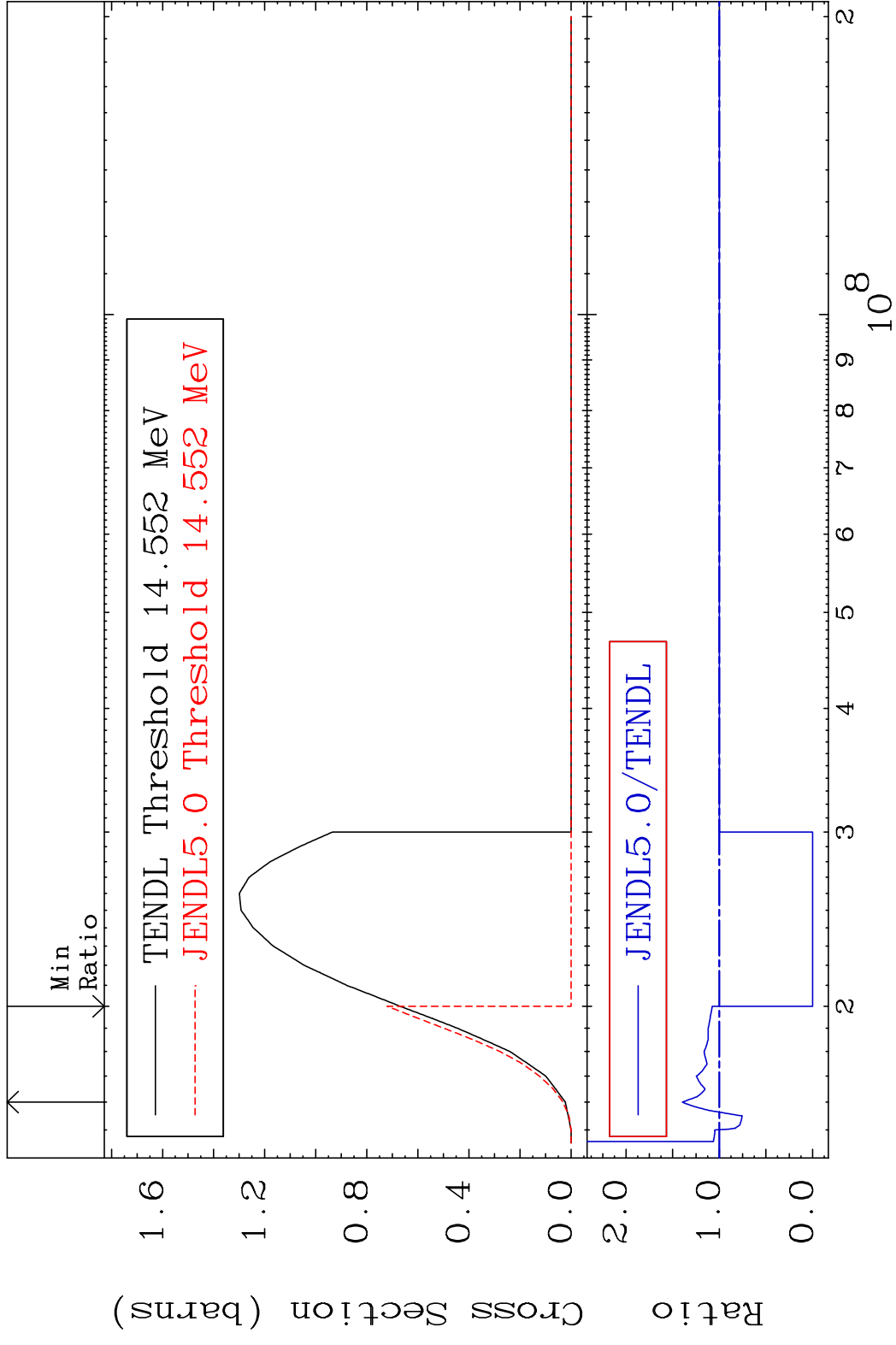


5

Incident Energy (eV)

50-Sn-124

MAT 5061 (n,3n) 50-Sn-124
 Cross Section -100.0 To 39.62 %

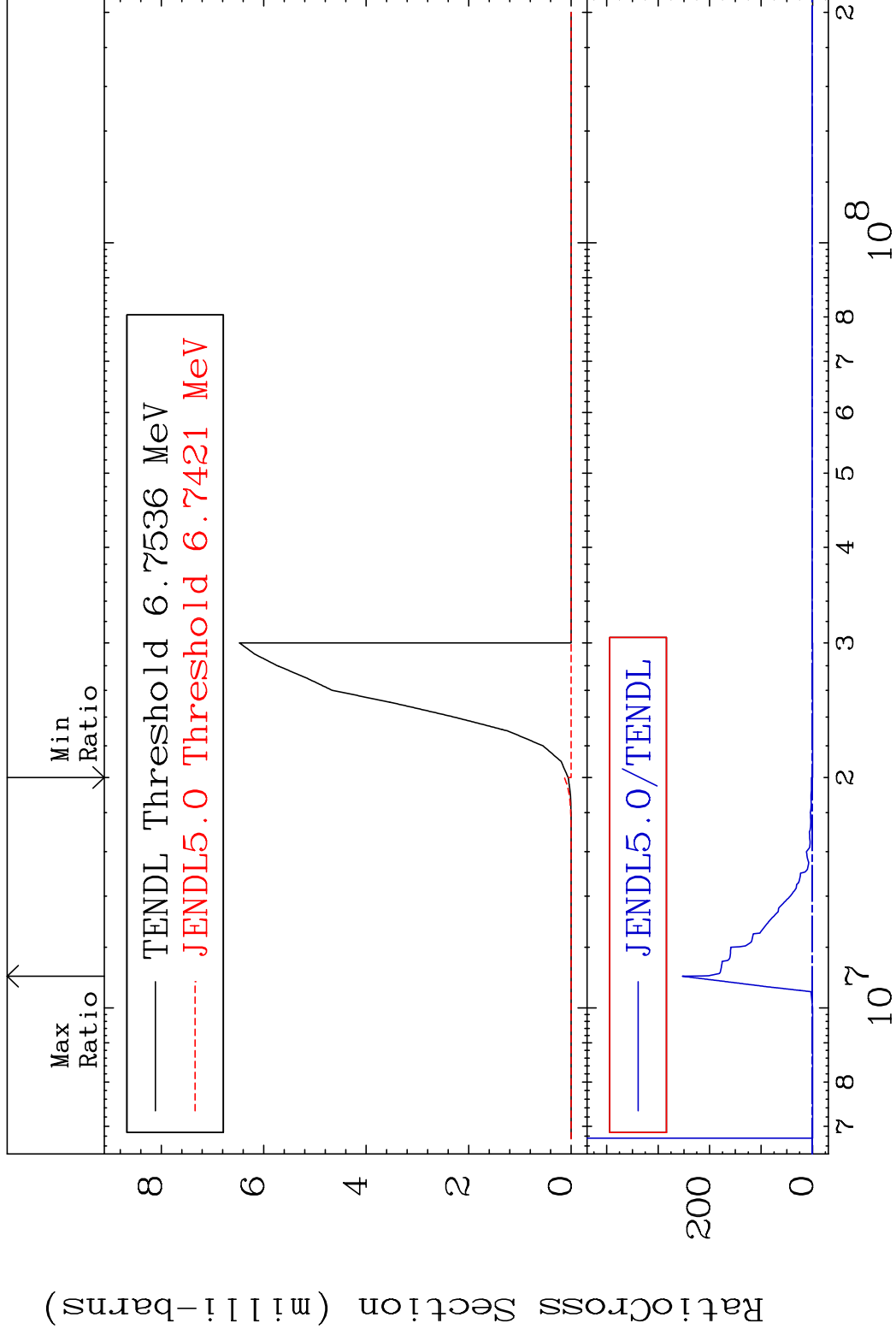


MAT 5061

(n, n') α

50-Sn-124

Cross Section -100.0 To 9999. %

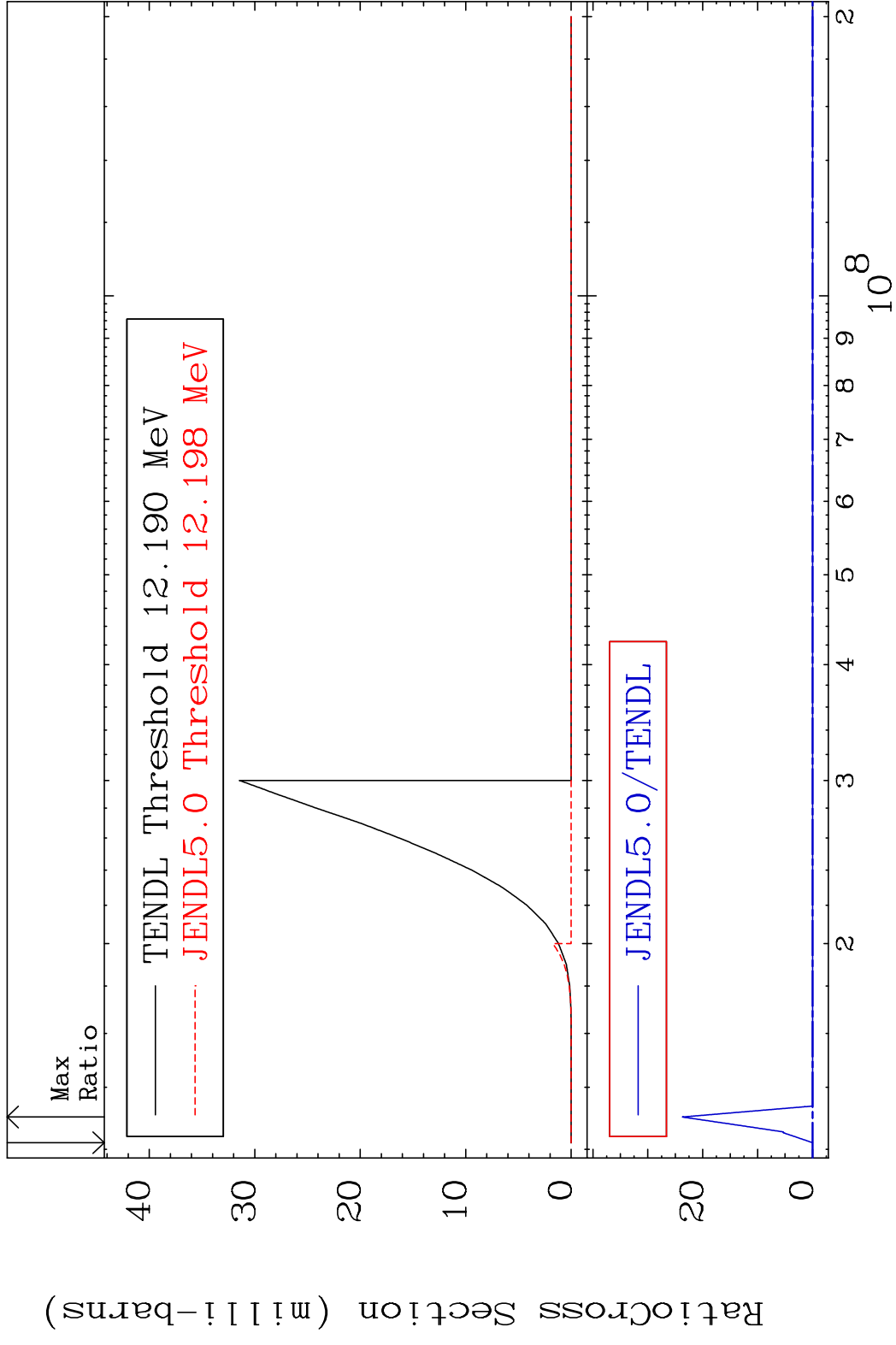


7

Incident Energy (eV)

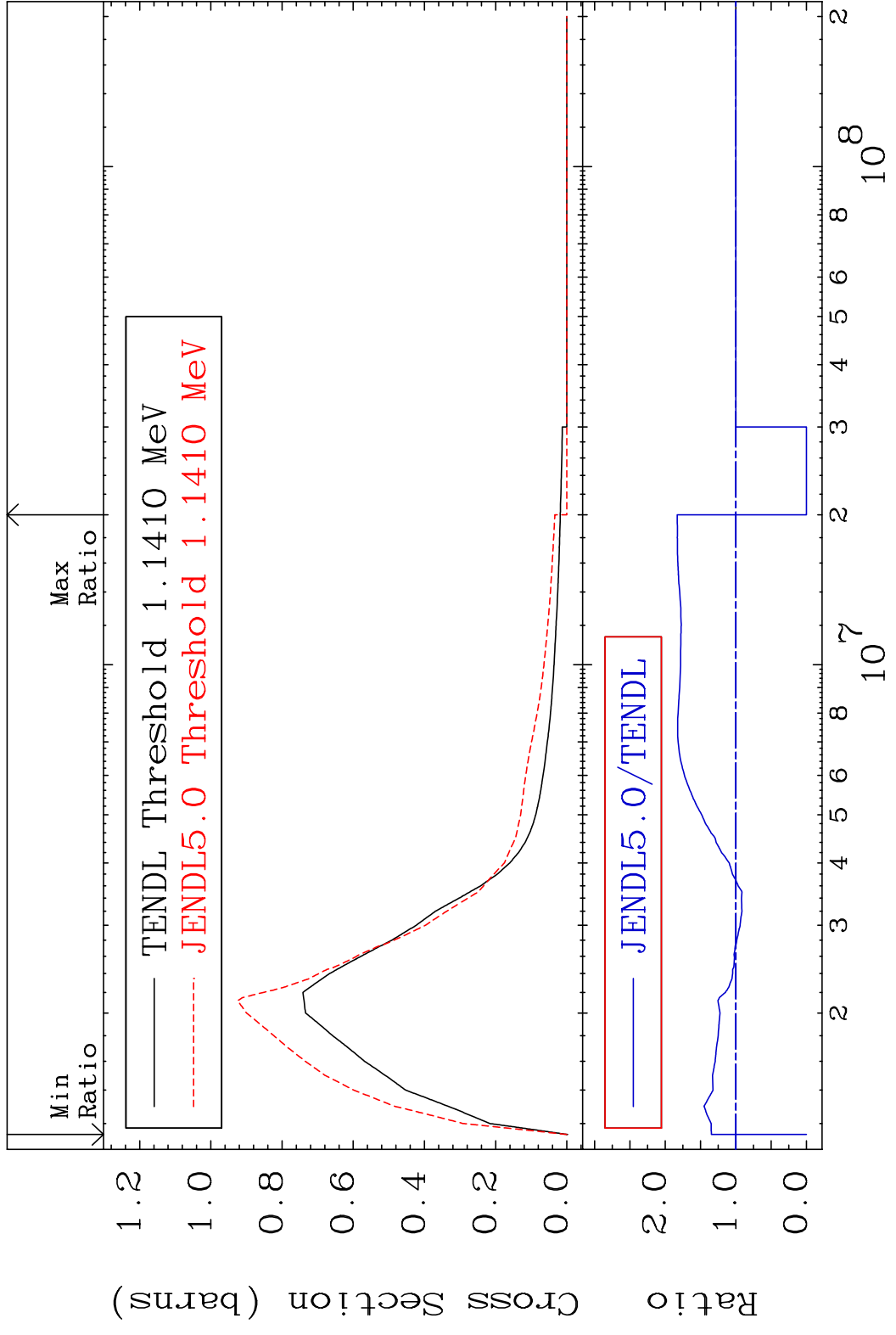
50-Sn-124

MAT 5061 (n, n') p 50-Sn-124
 Cross Section -100.0 To 9999. %

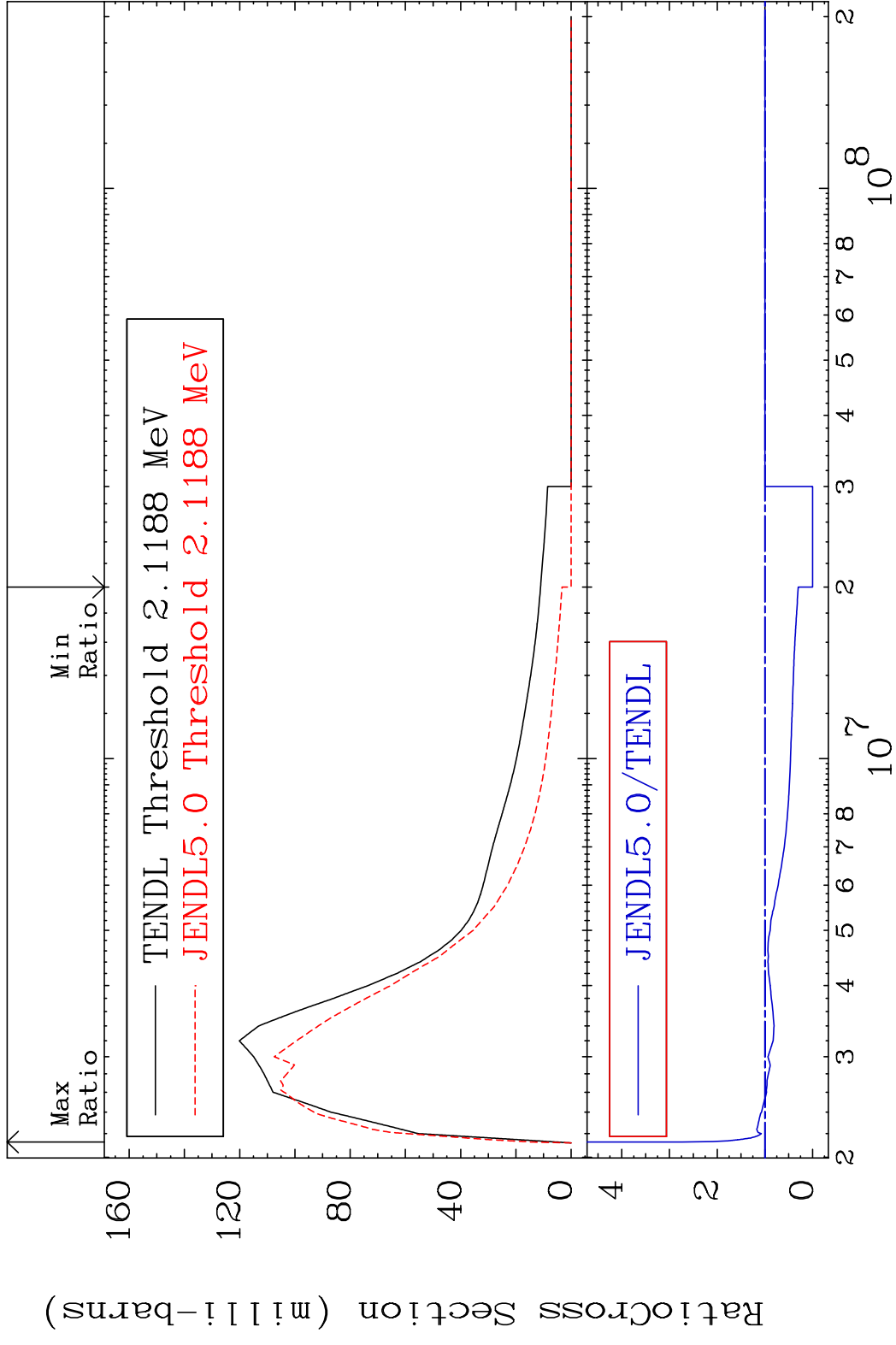


8 Incident Energy (eV) 50-Sn-124

MAT 5061 MT= 51 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 83.11 %

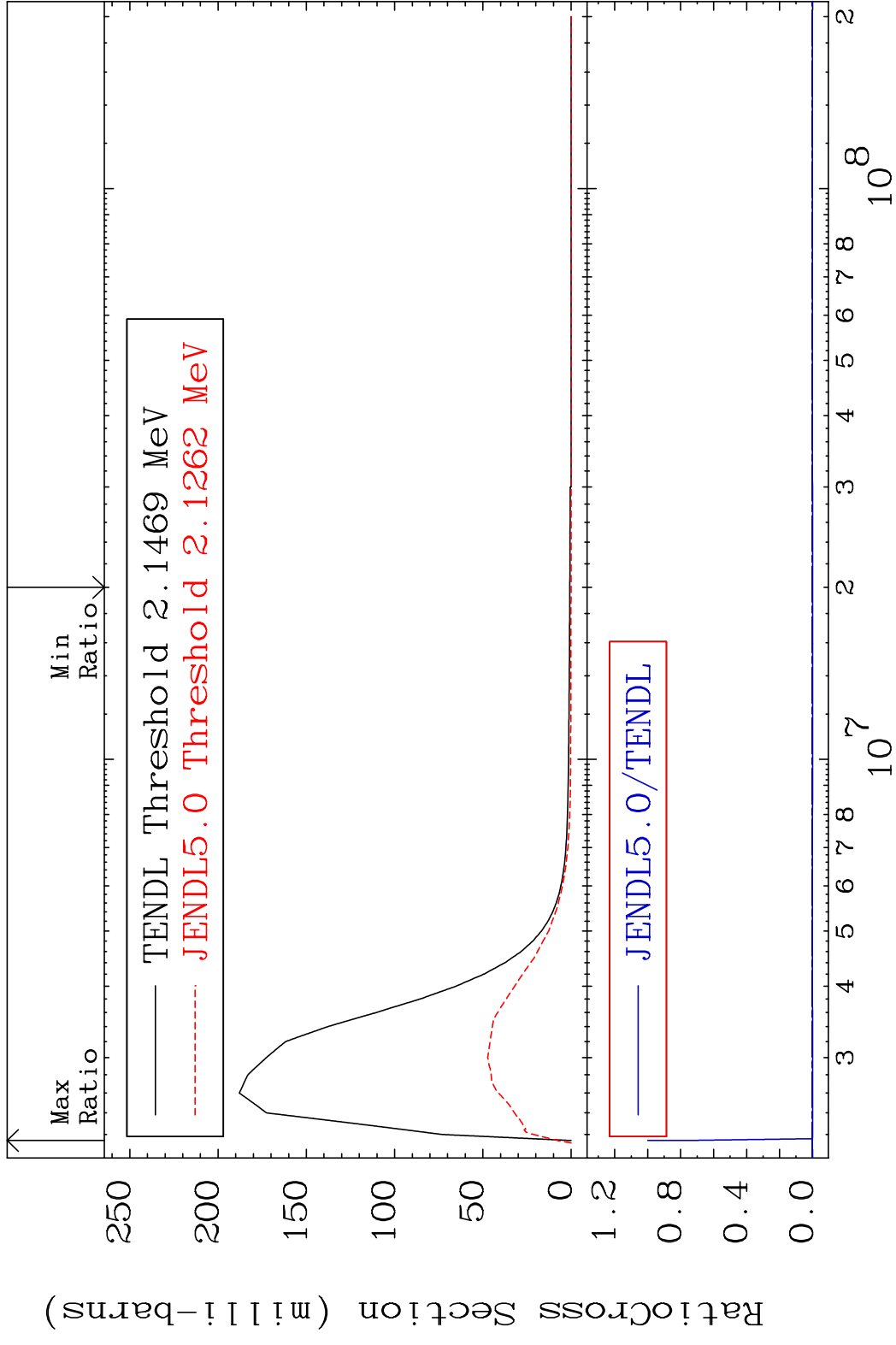


MAT 5061 MT= 52 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 173.0 %

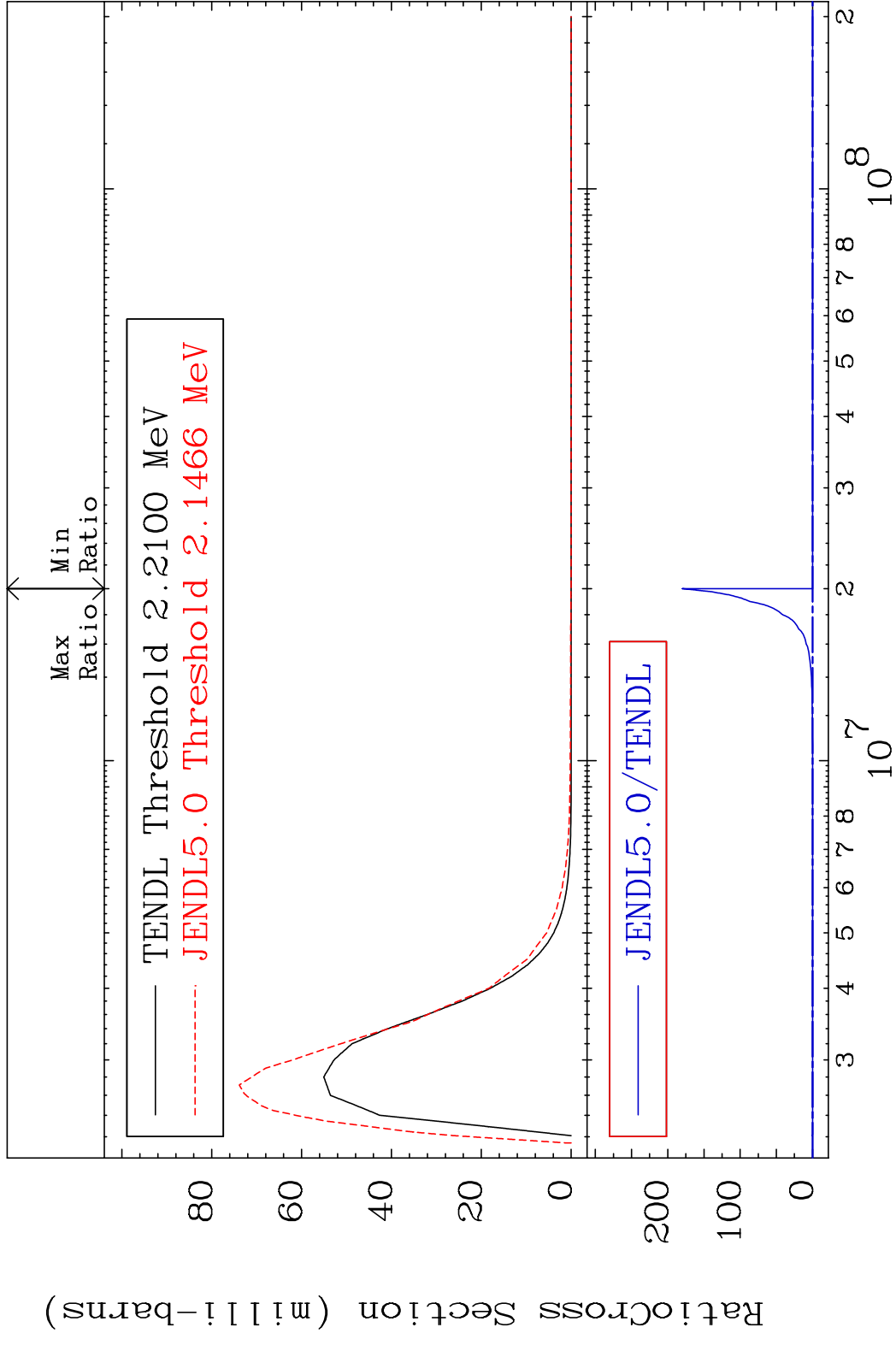


10 100 1000 10000 100000 1000000 10000000 100000000 1000000000 10000000000 100000000000 1000000000000 10000000000000 100000000000000 1000000000000000 10000000000000000 100000000000000000 1000000000000000000 10000000000000000000 50-Sn-124

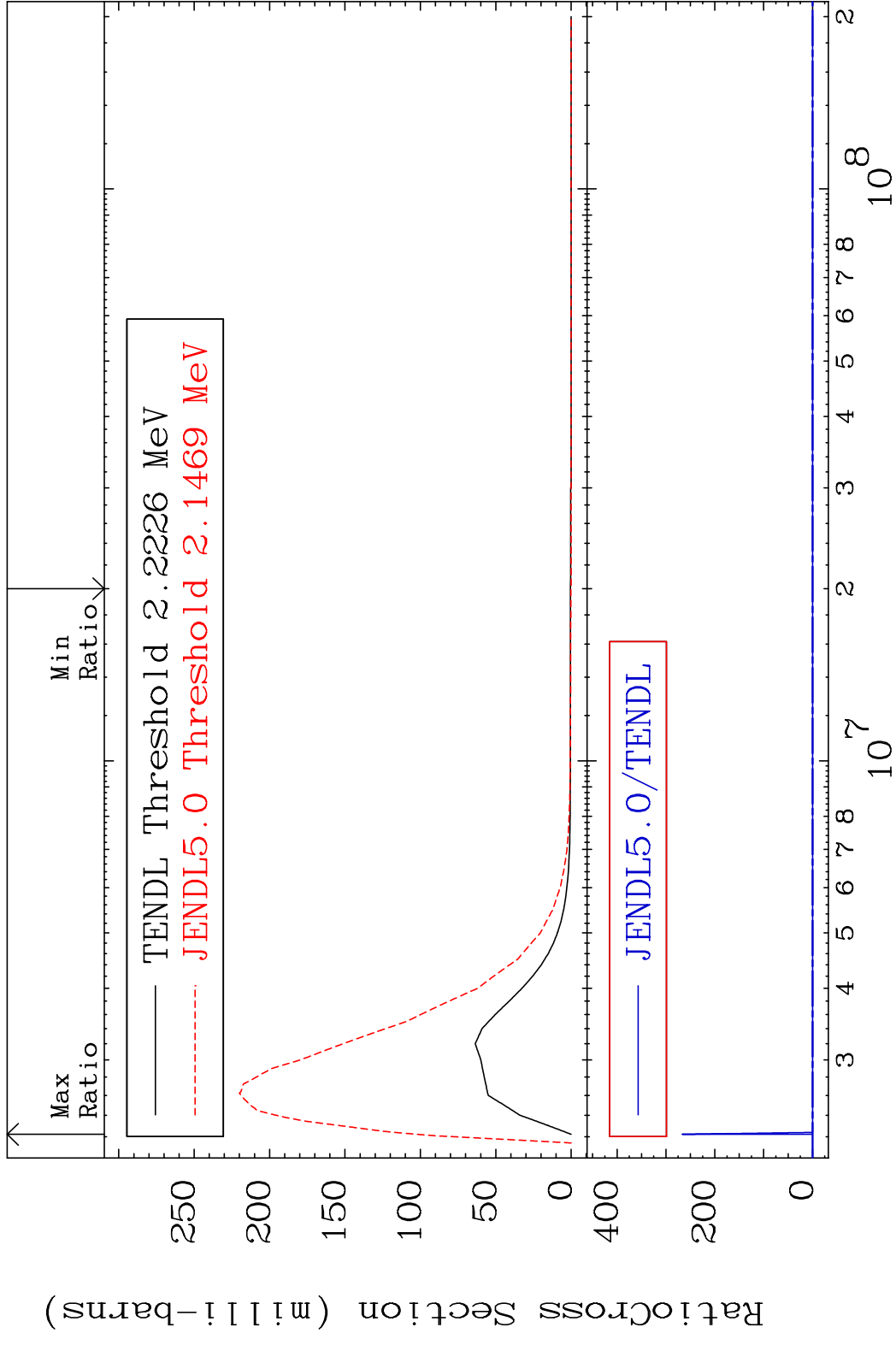
MAT 5061 MT= 53 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



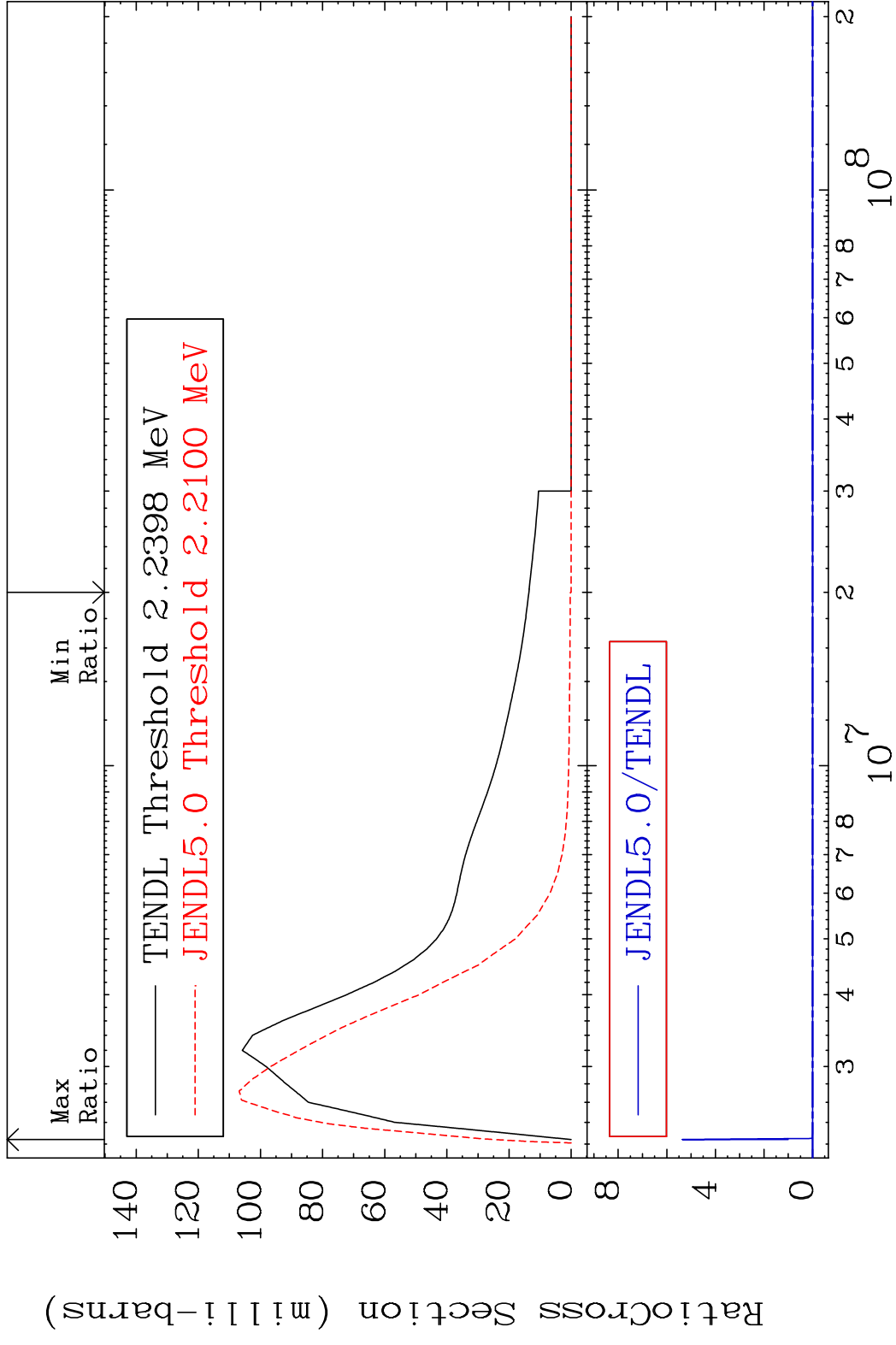
MAT 5061 MT= 54 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



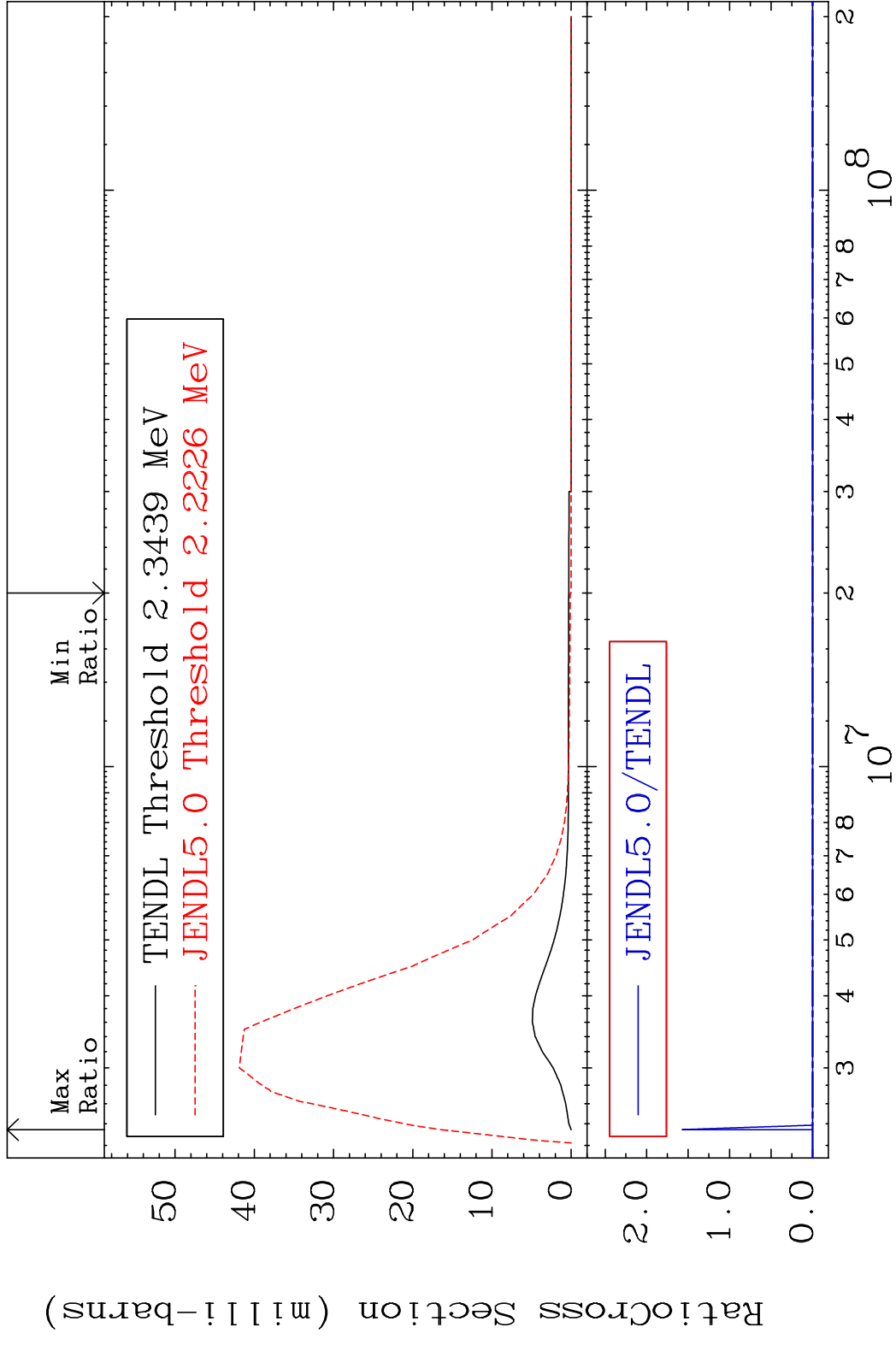
MAT 5061 MT= 55 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



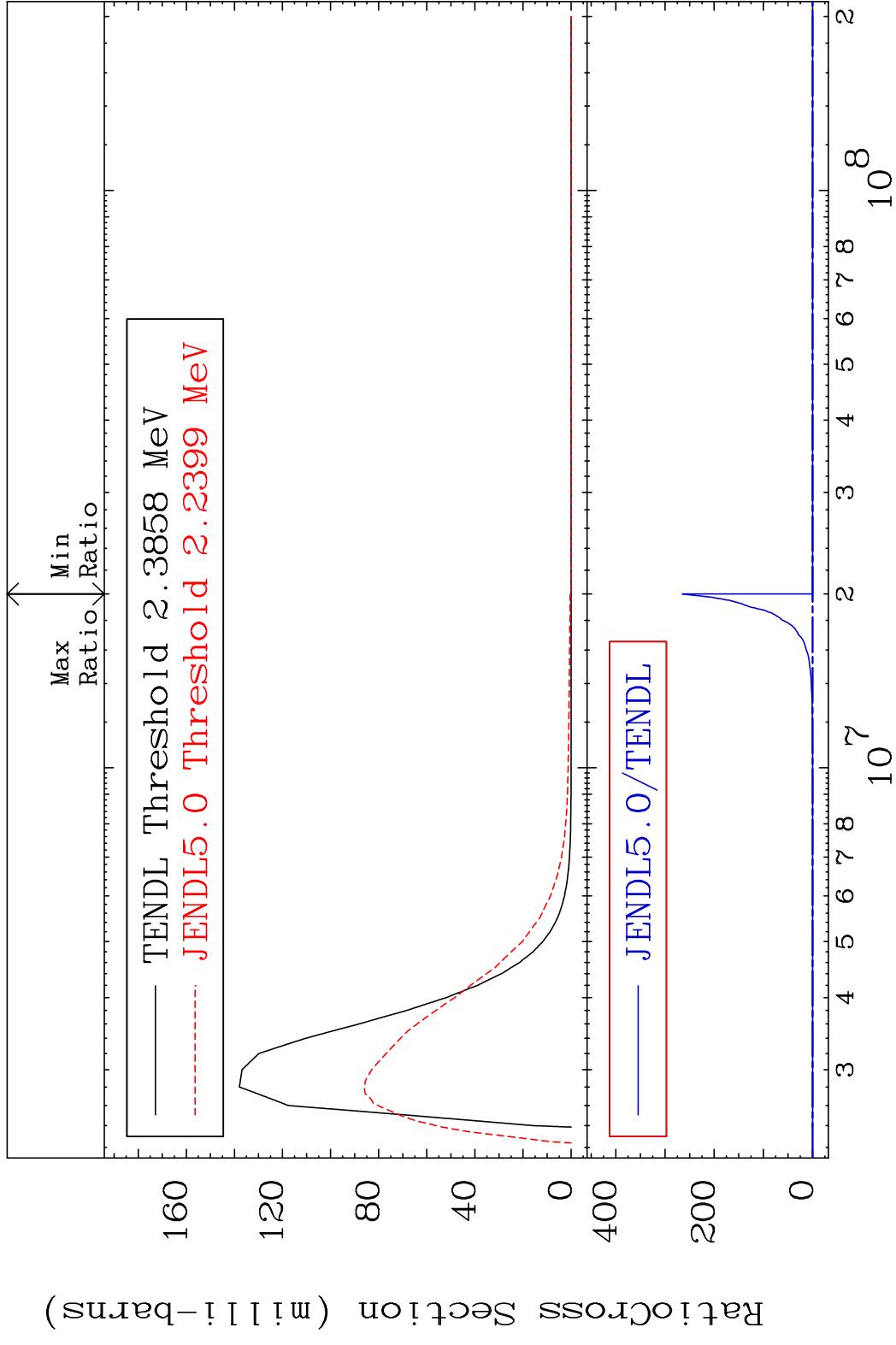
MAT 5061 MT= 56 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



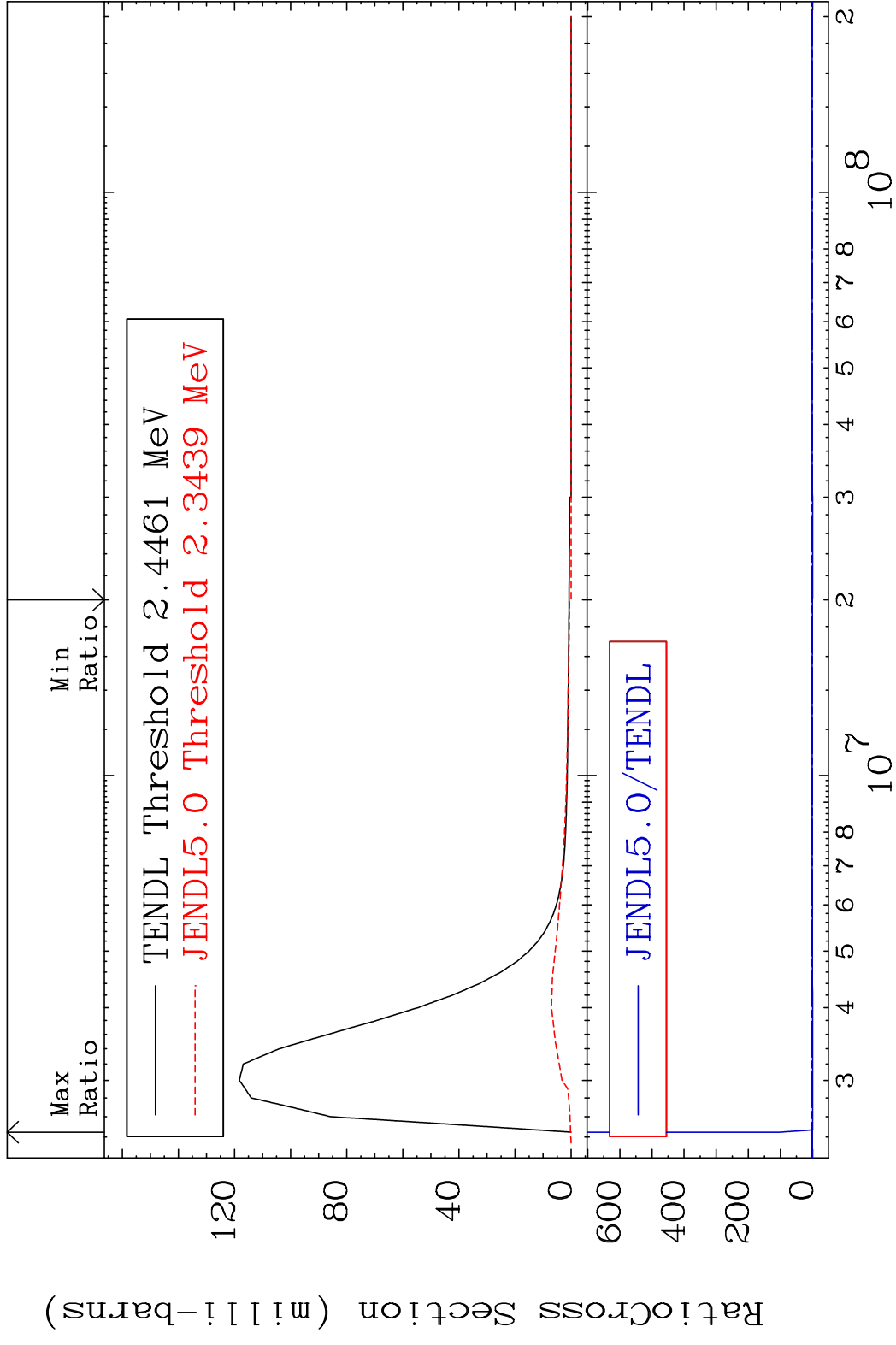
MAT 5061 MT= 57 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 58 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

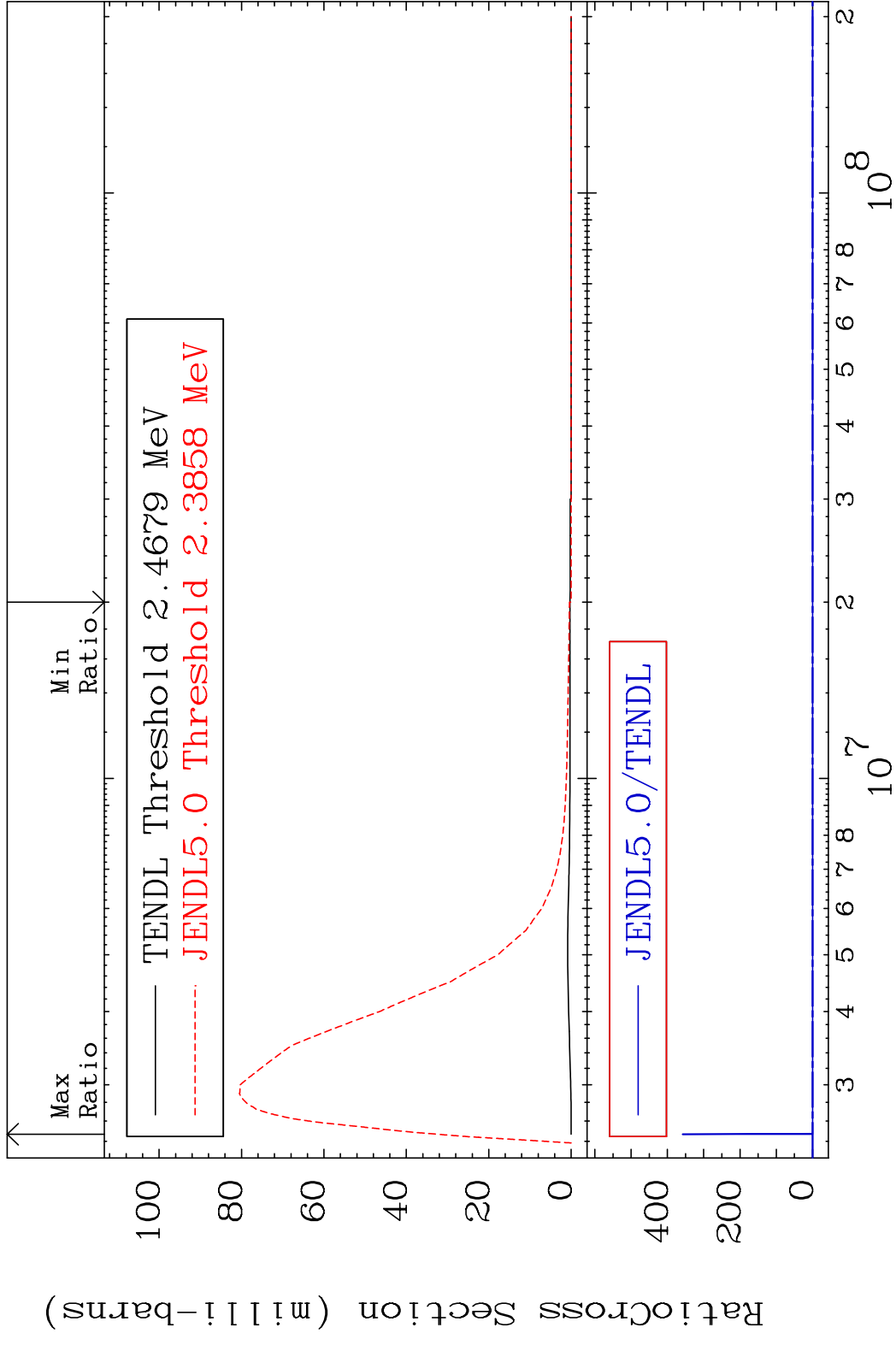


MAT 5061 MT= 59 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

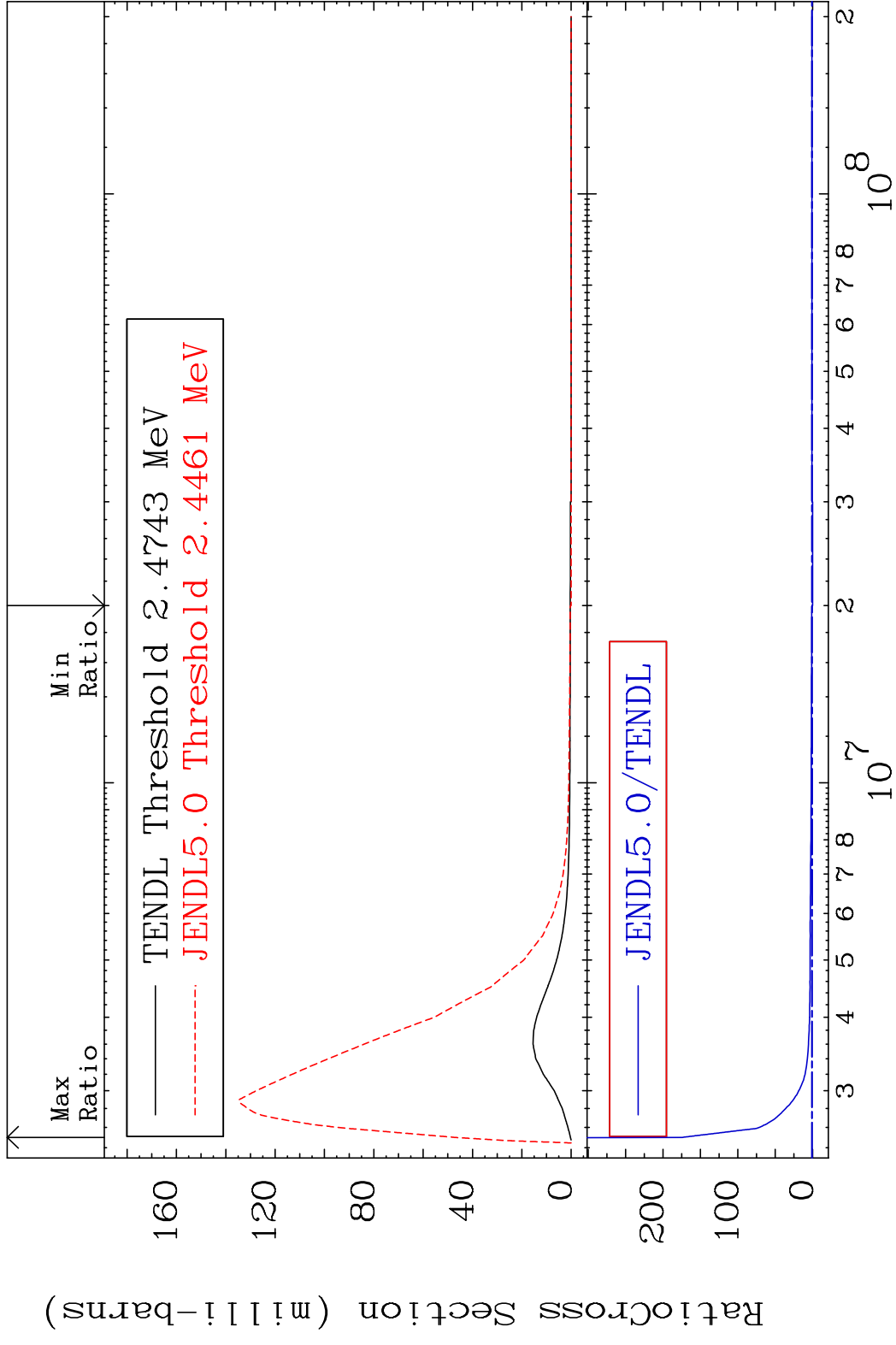


17 Incident Energy (eV) 50-Sn-124

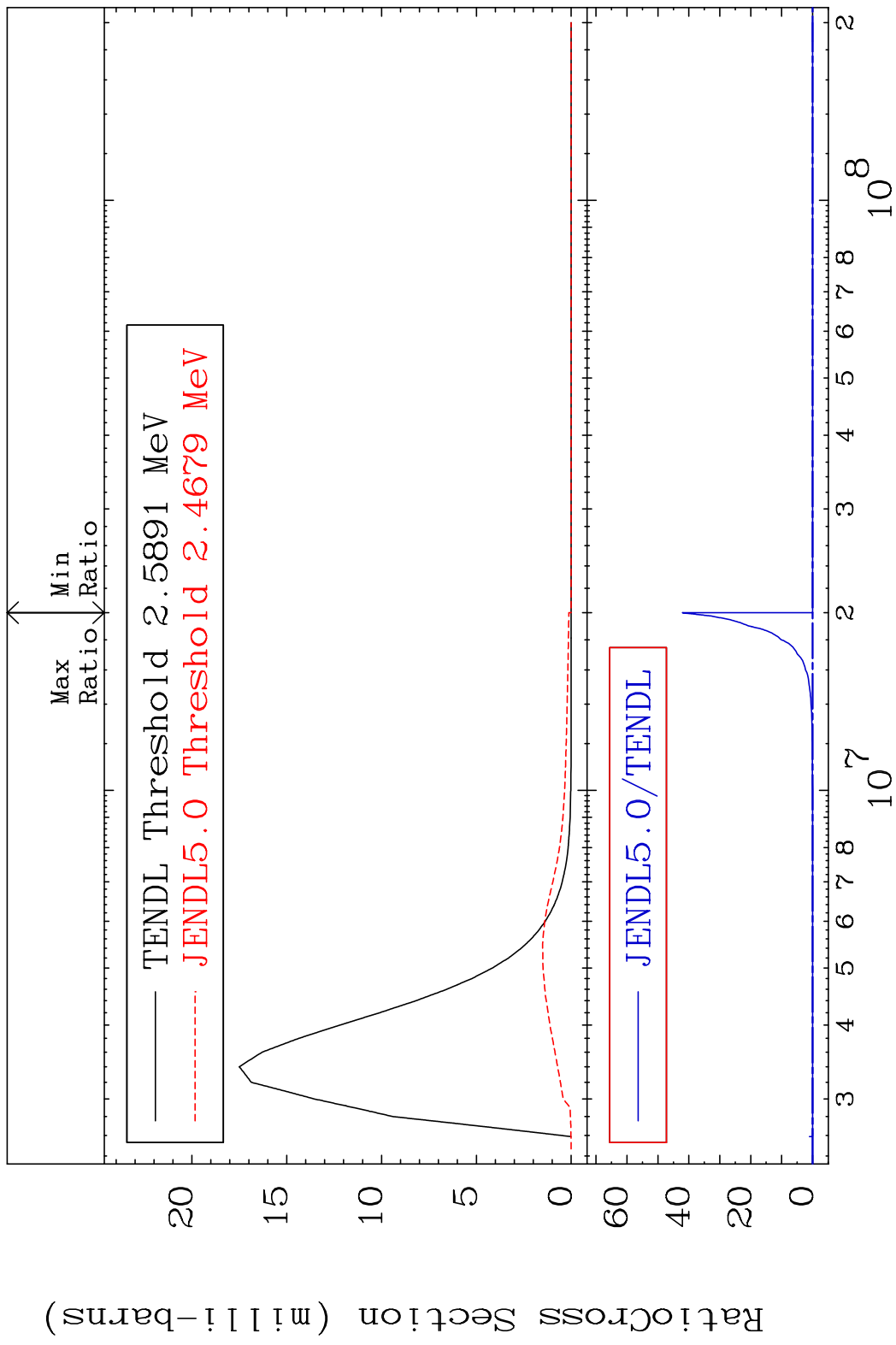
MAT 5061 MT= 60 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 61 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

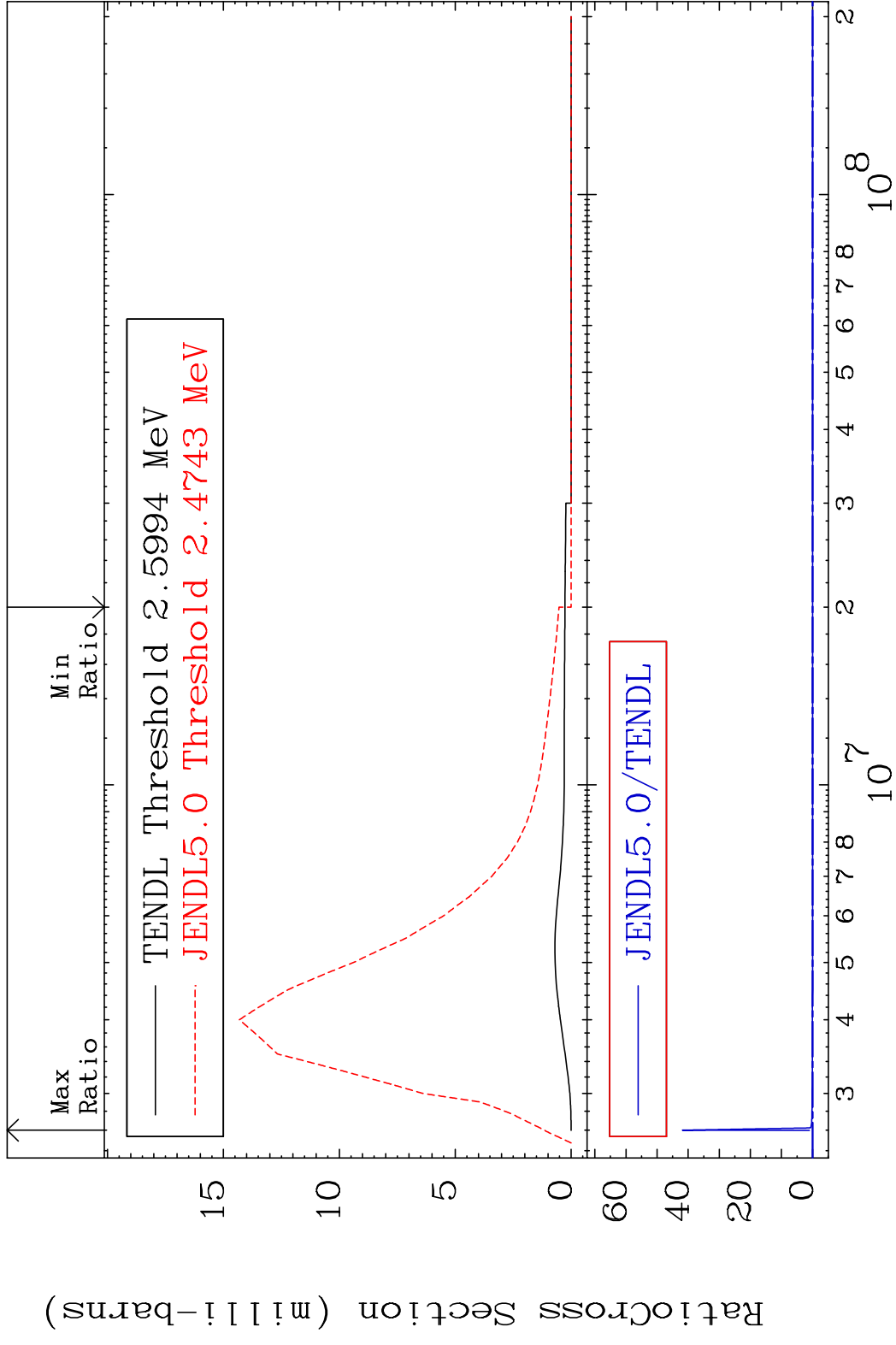


MAT 5061 MT= 62 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

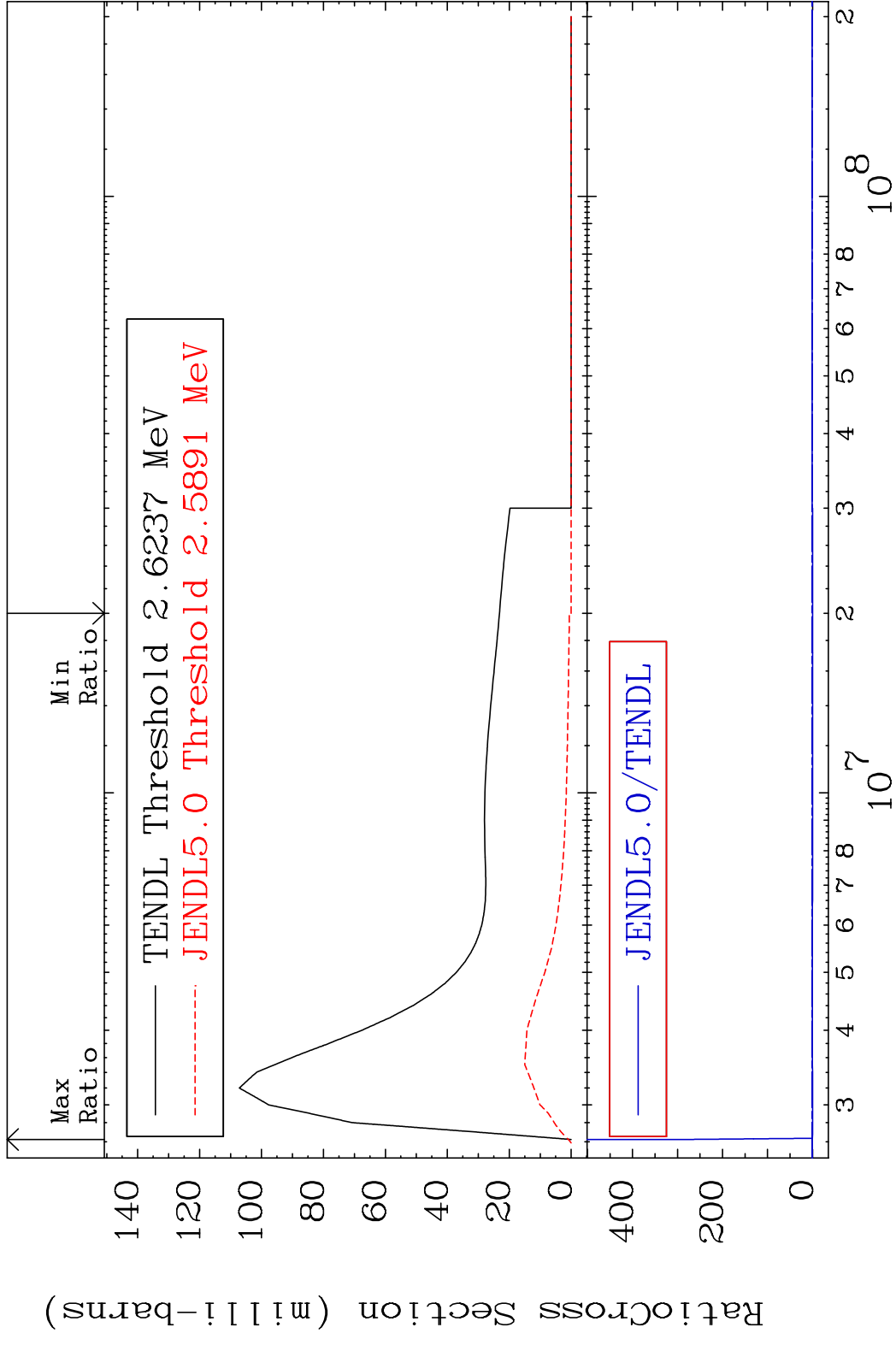


20 Incident Energy (eV) 50-Sn-124

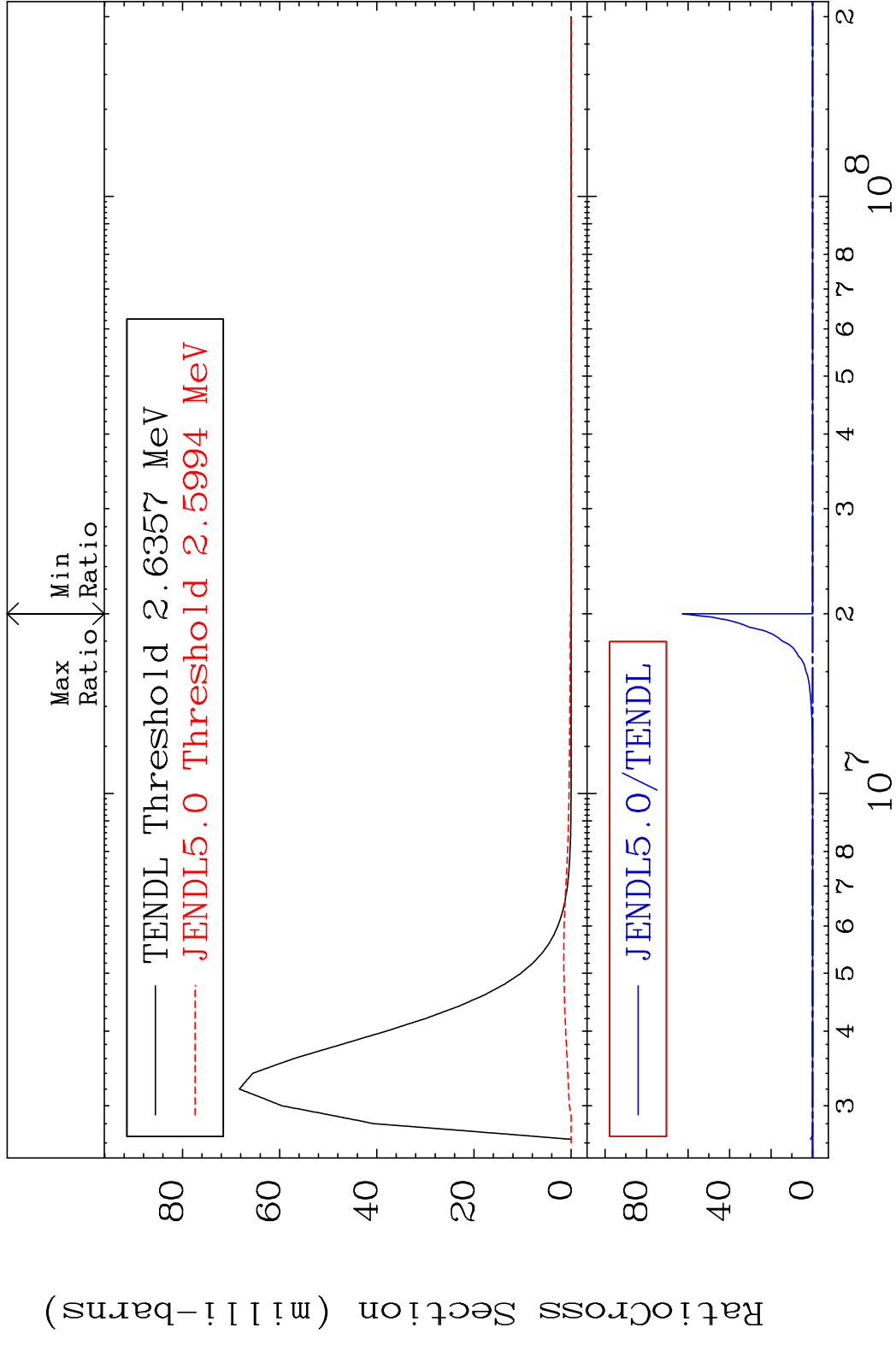
MAT 5061 MT= 63 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



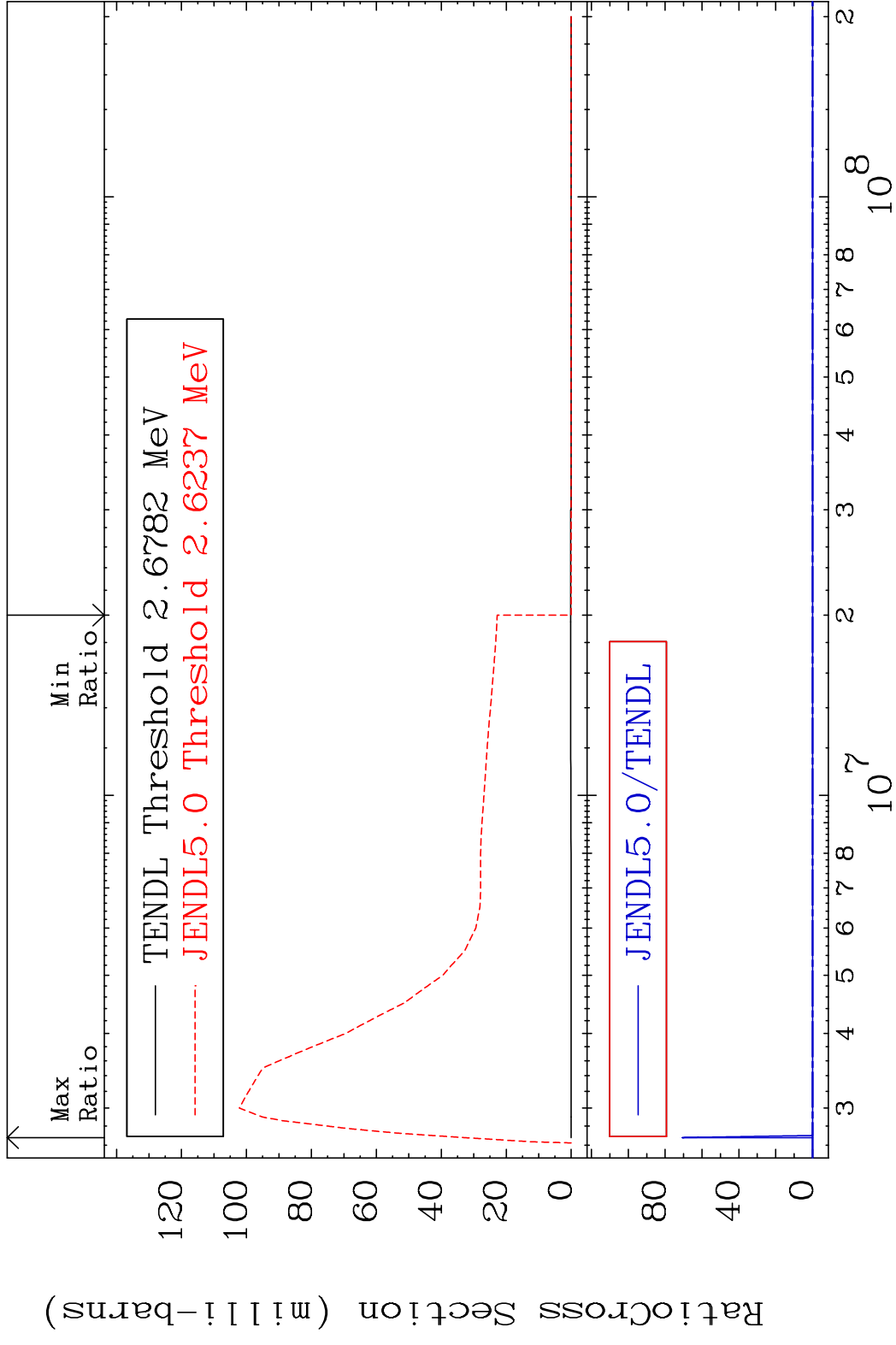
MAT 5061 MT= 64 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



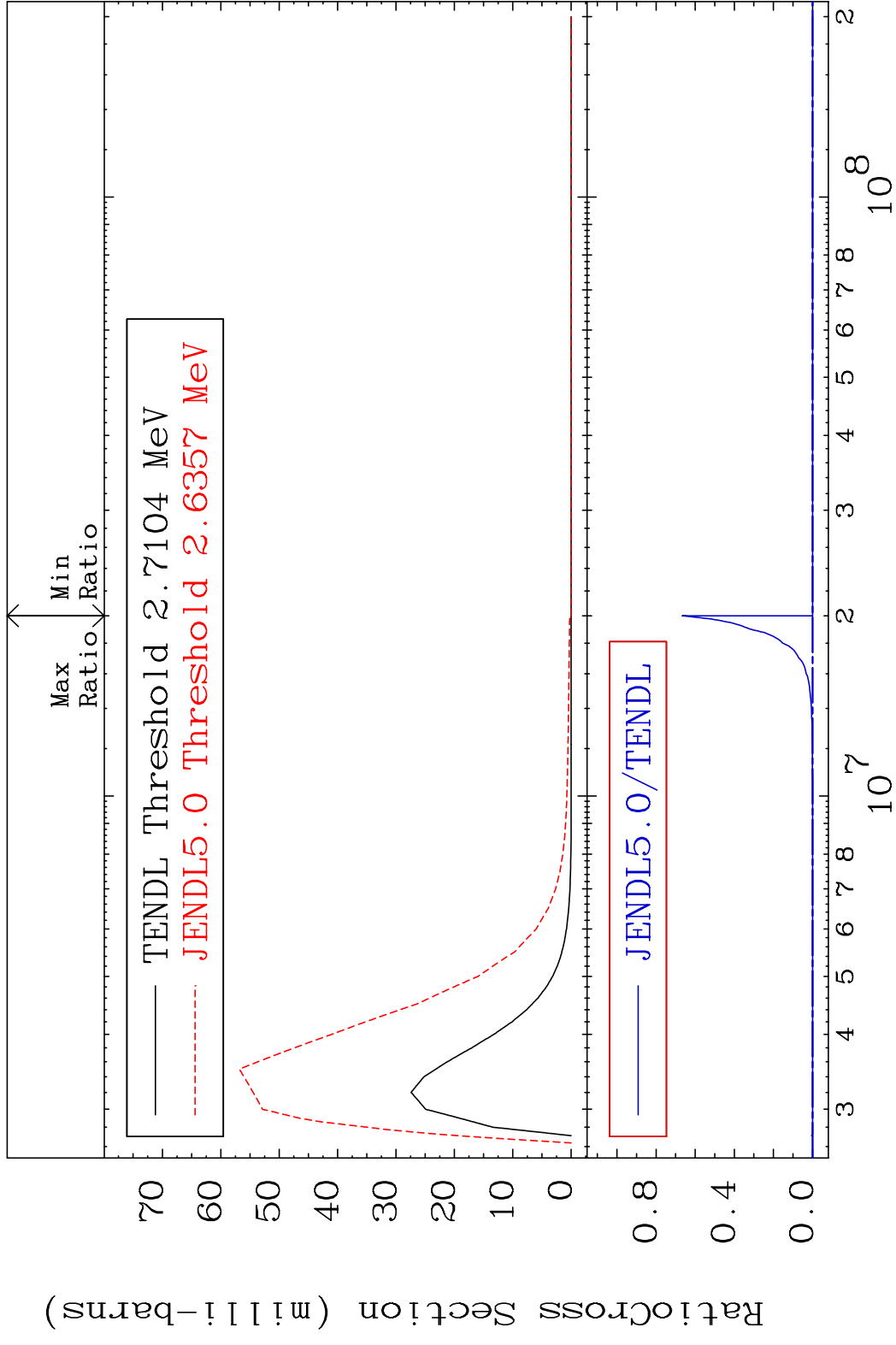
MAT 5061 MT= 65 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



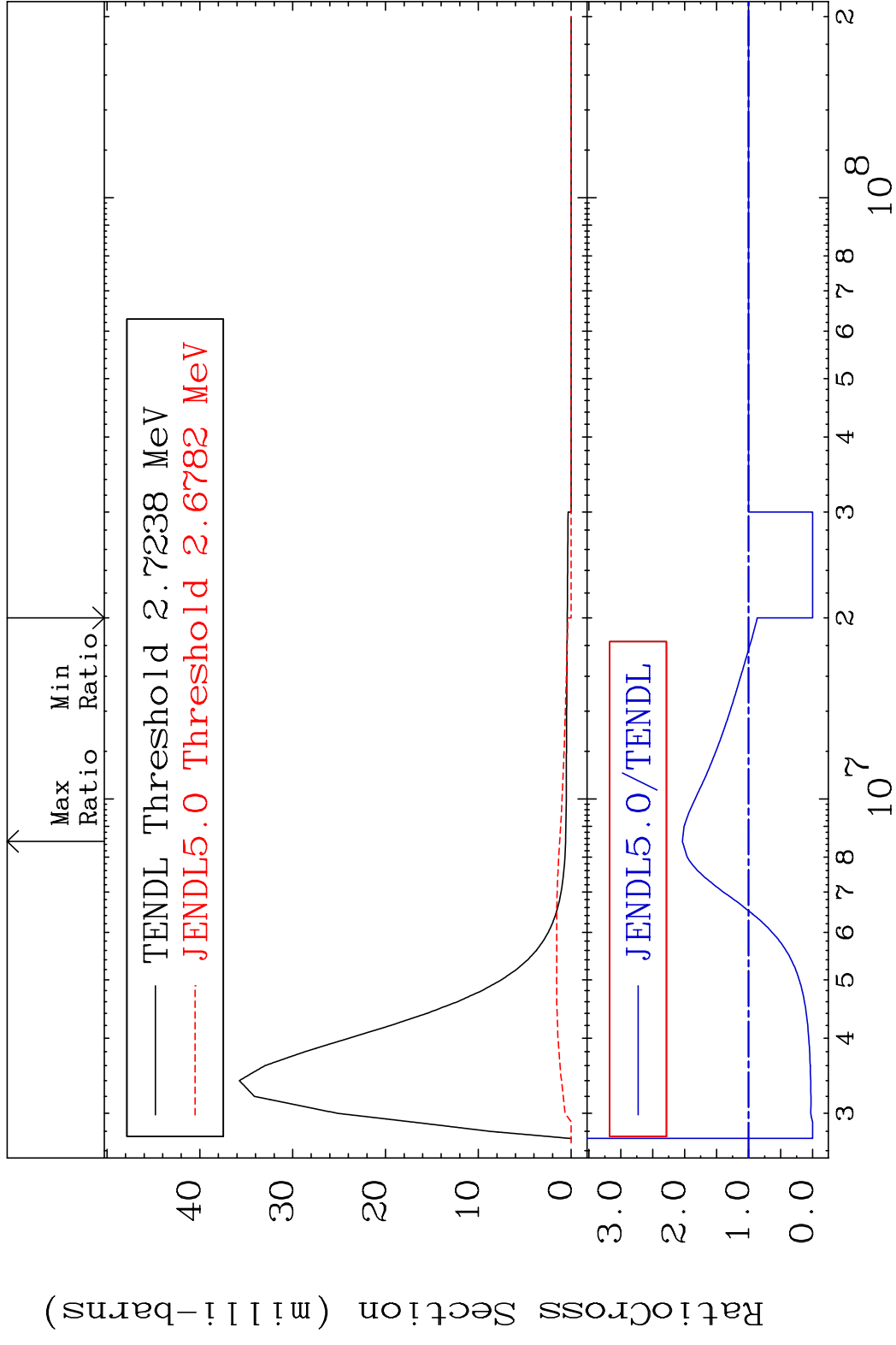
MAT 5061 MT= 66 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



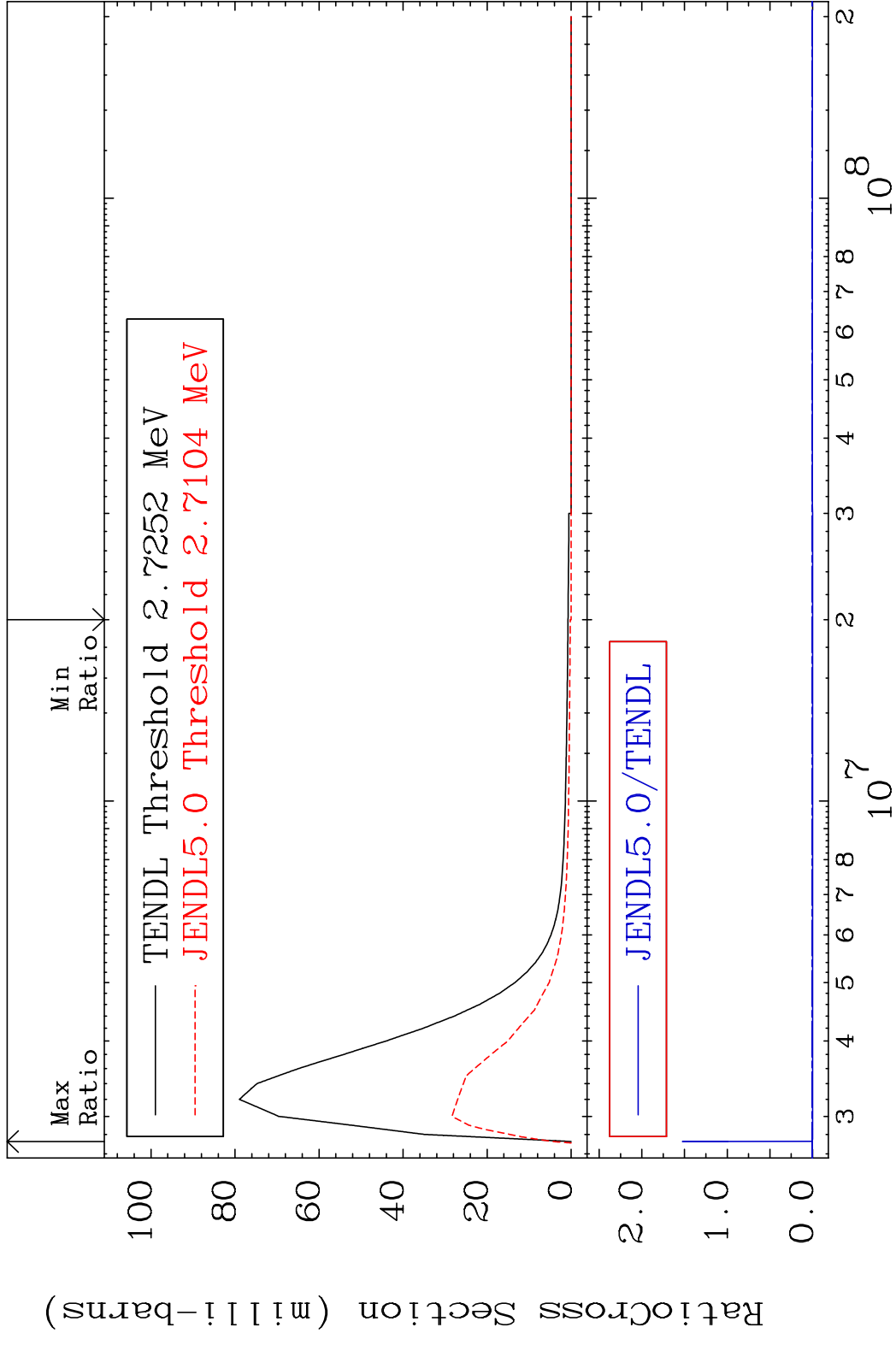
MAT 5061 MT= 67 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



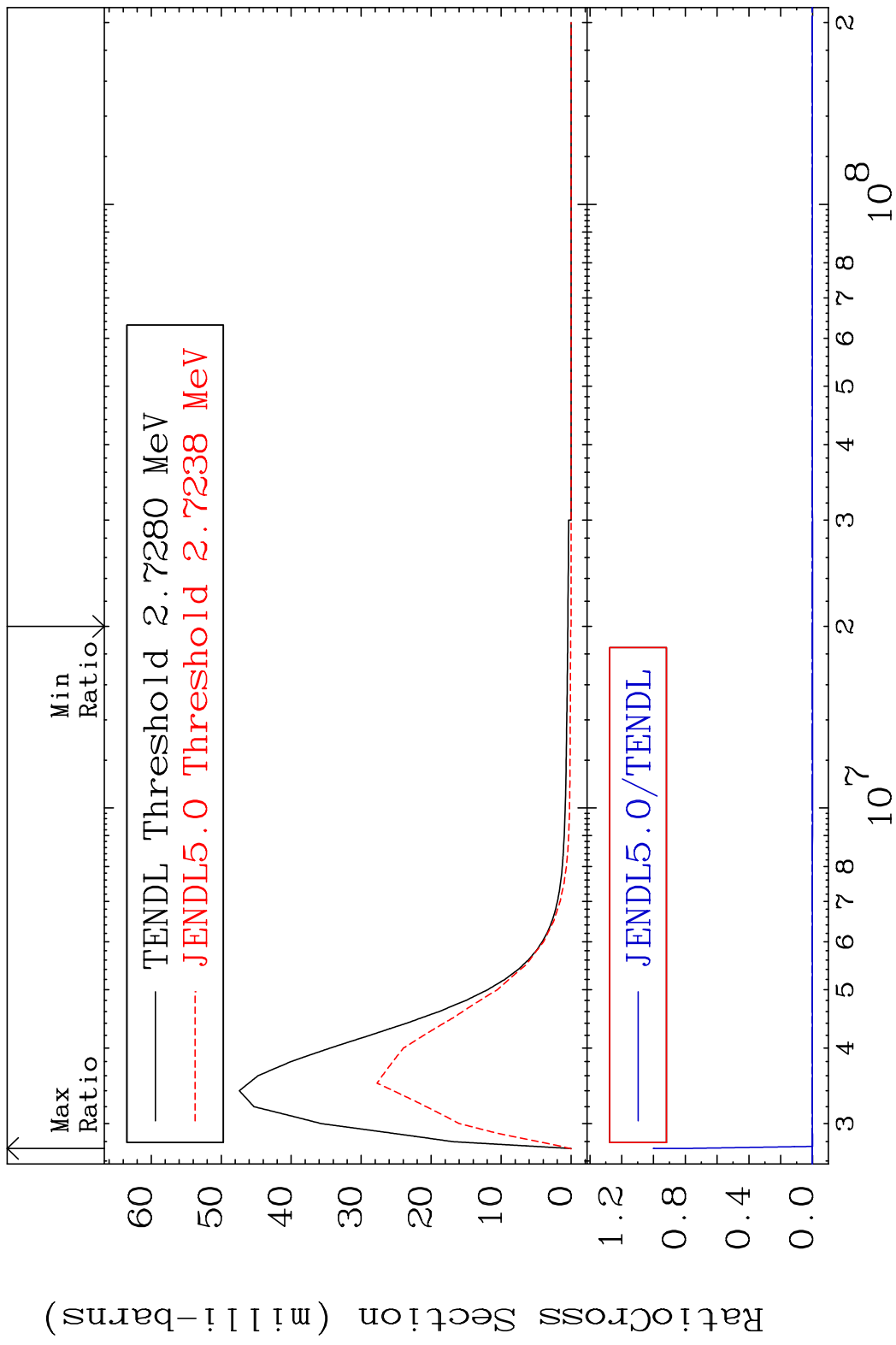
MAT 5061 MT= 68 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 103.7 %



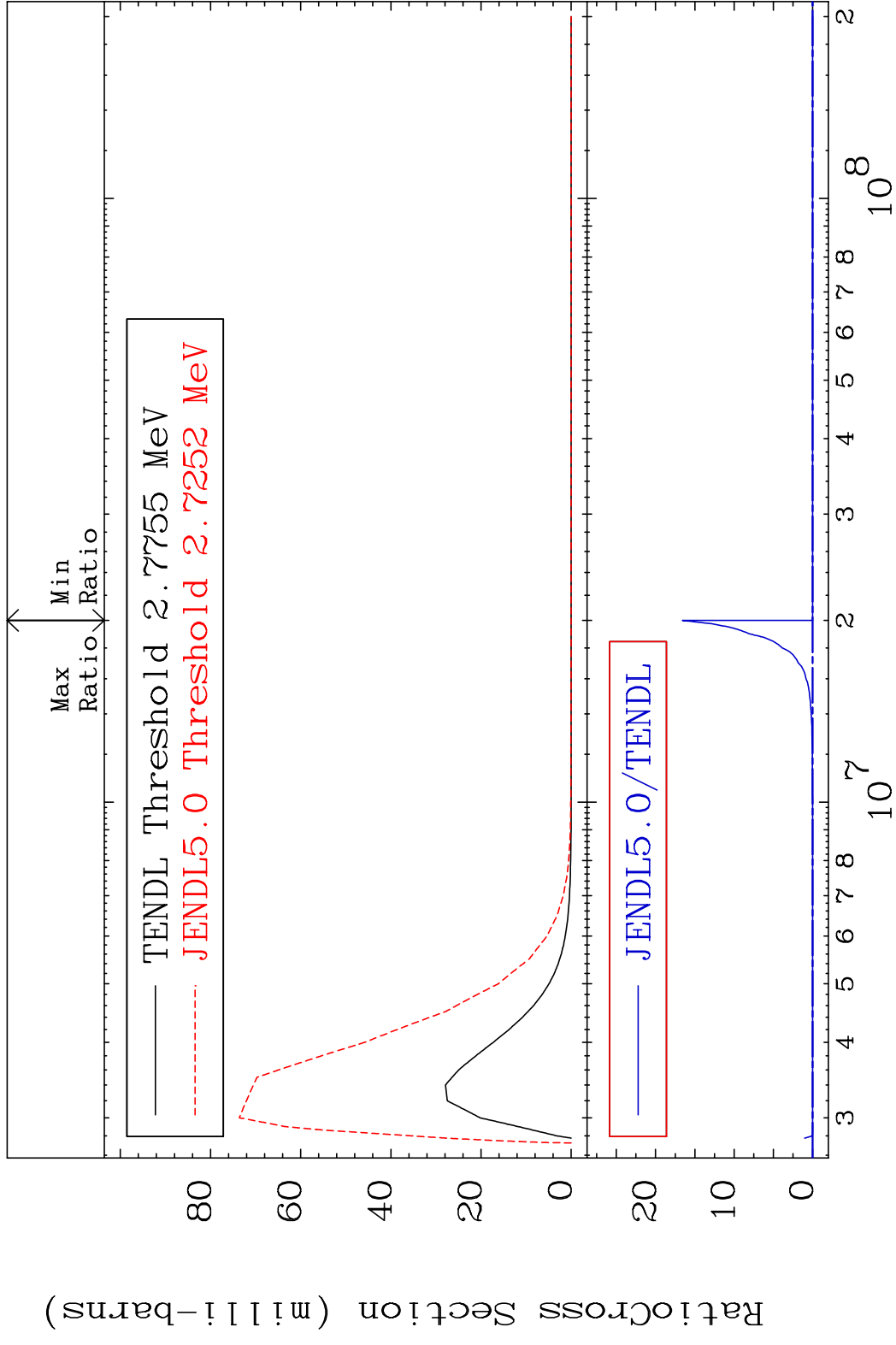
MAT 5061 MT= 69 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



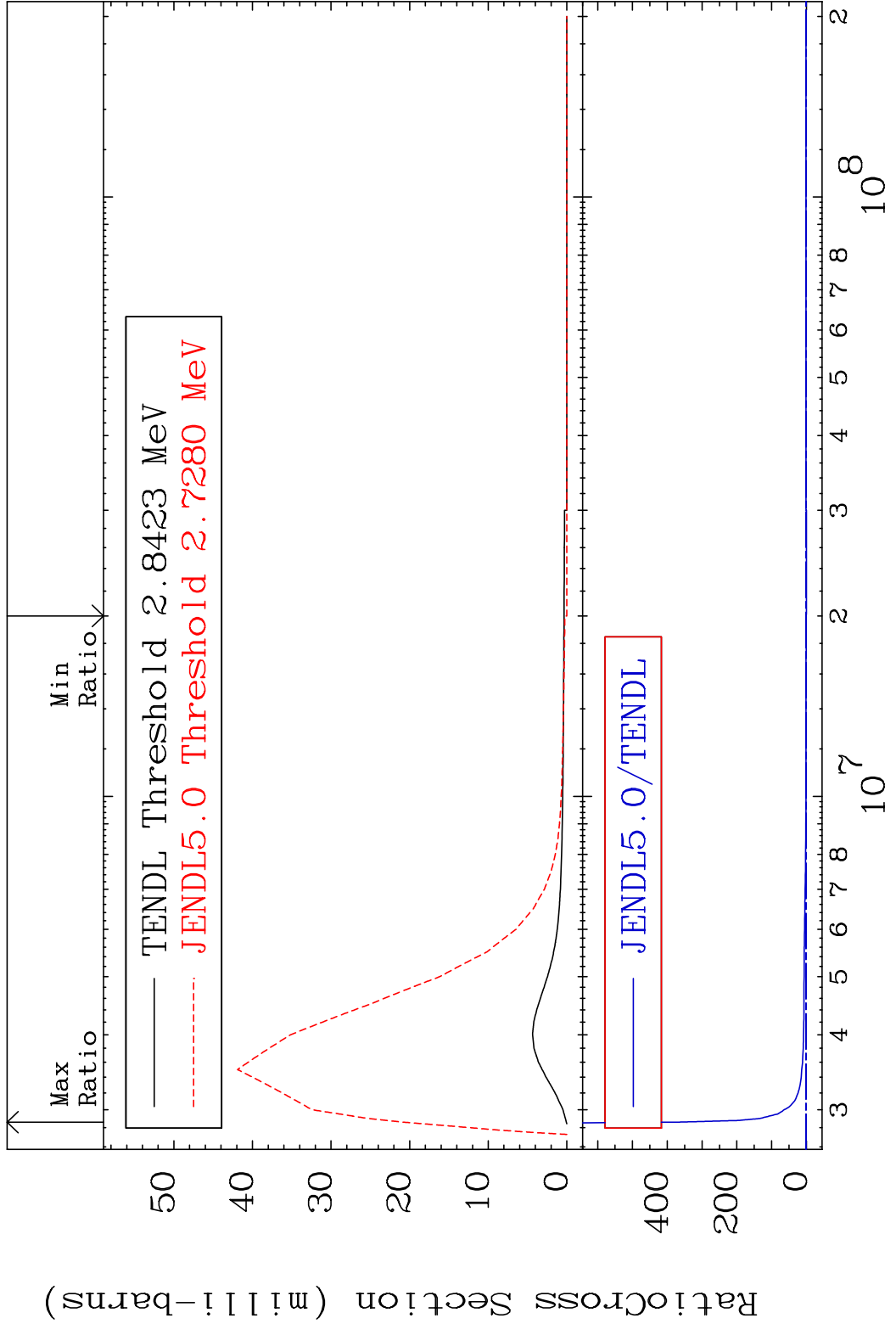
MAT 5061 MT= 70 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 71 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

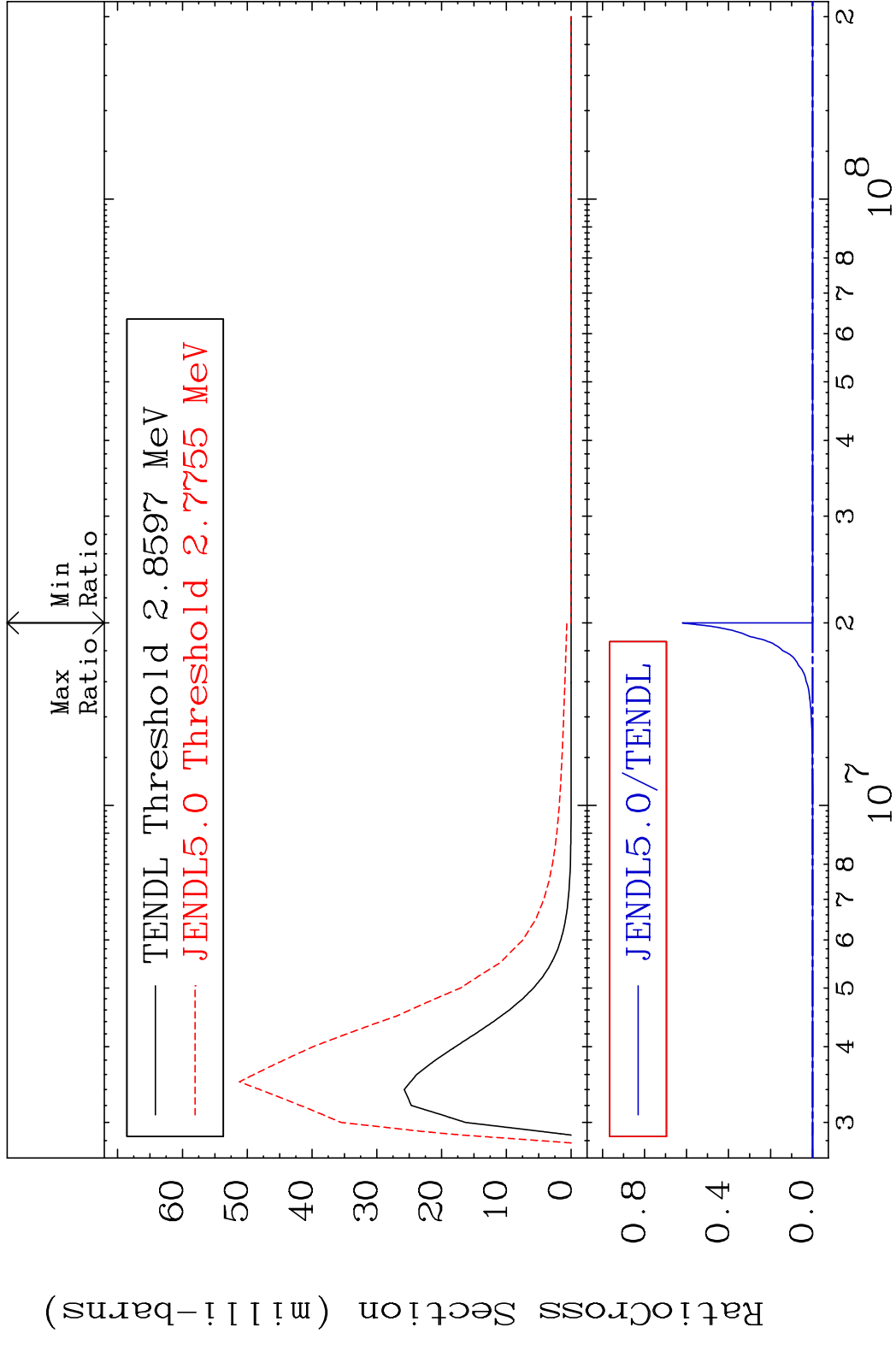


MAT 5061 MT= 72 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %

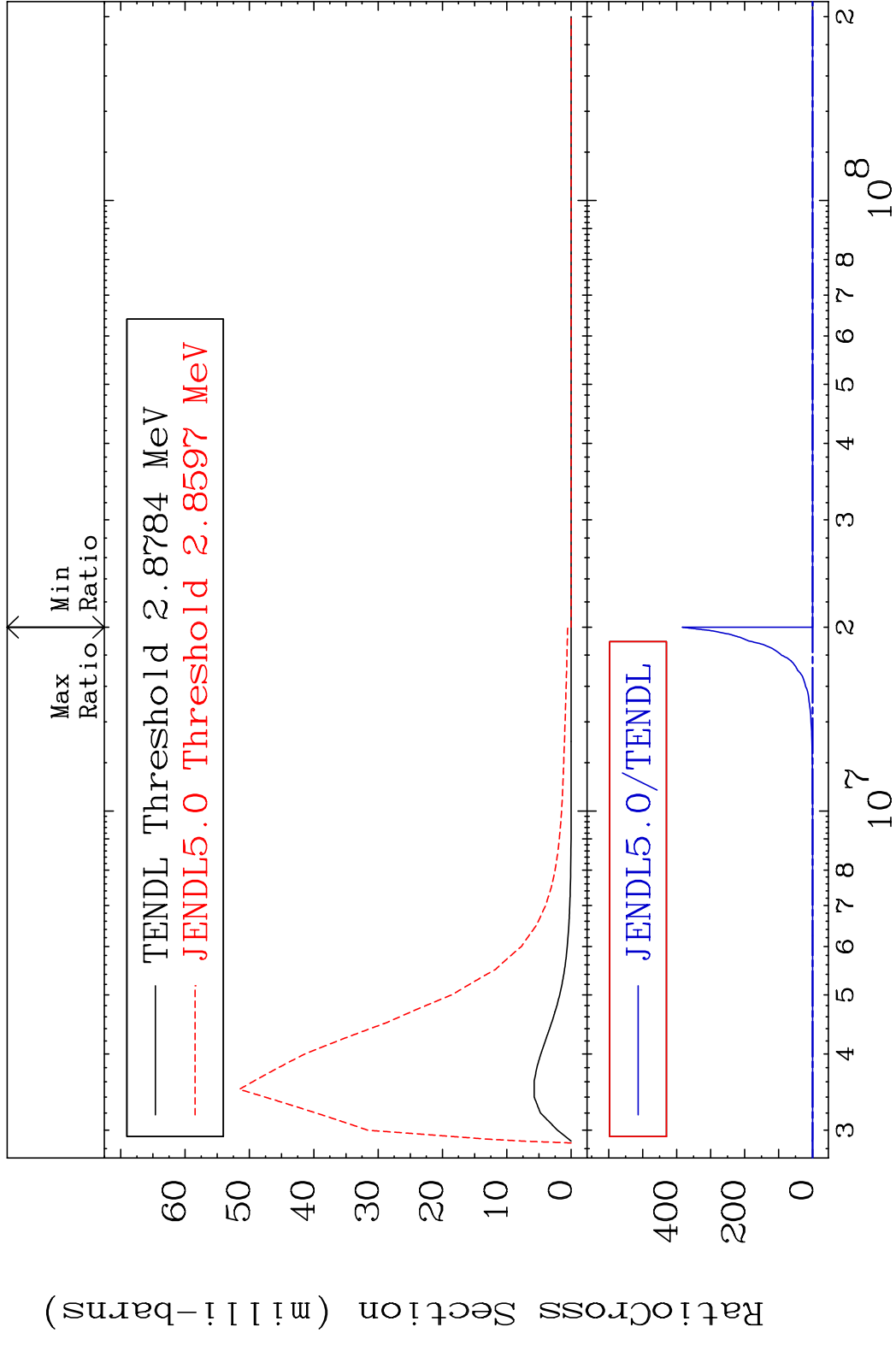


30 Incident Energy (eV) 50-Sn-124

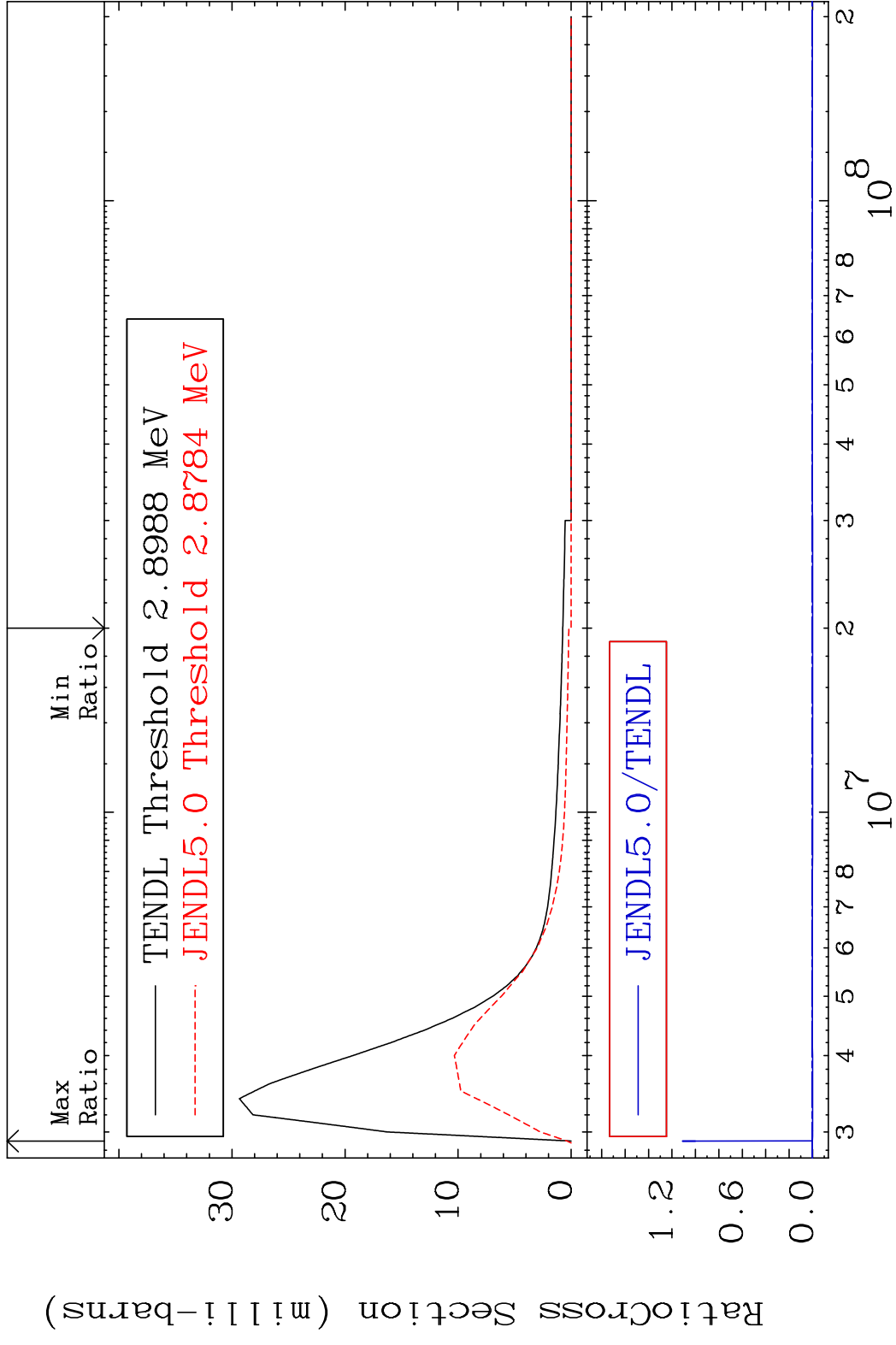
MAT 5061 MT= 73 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



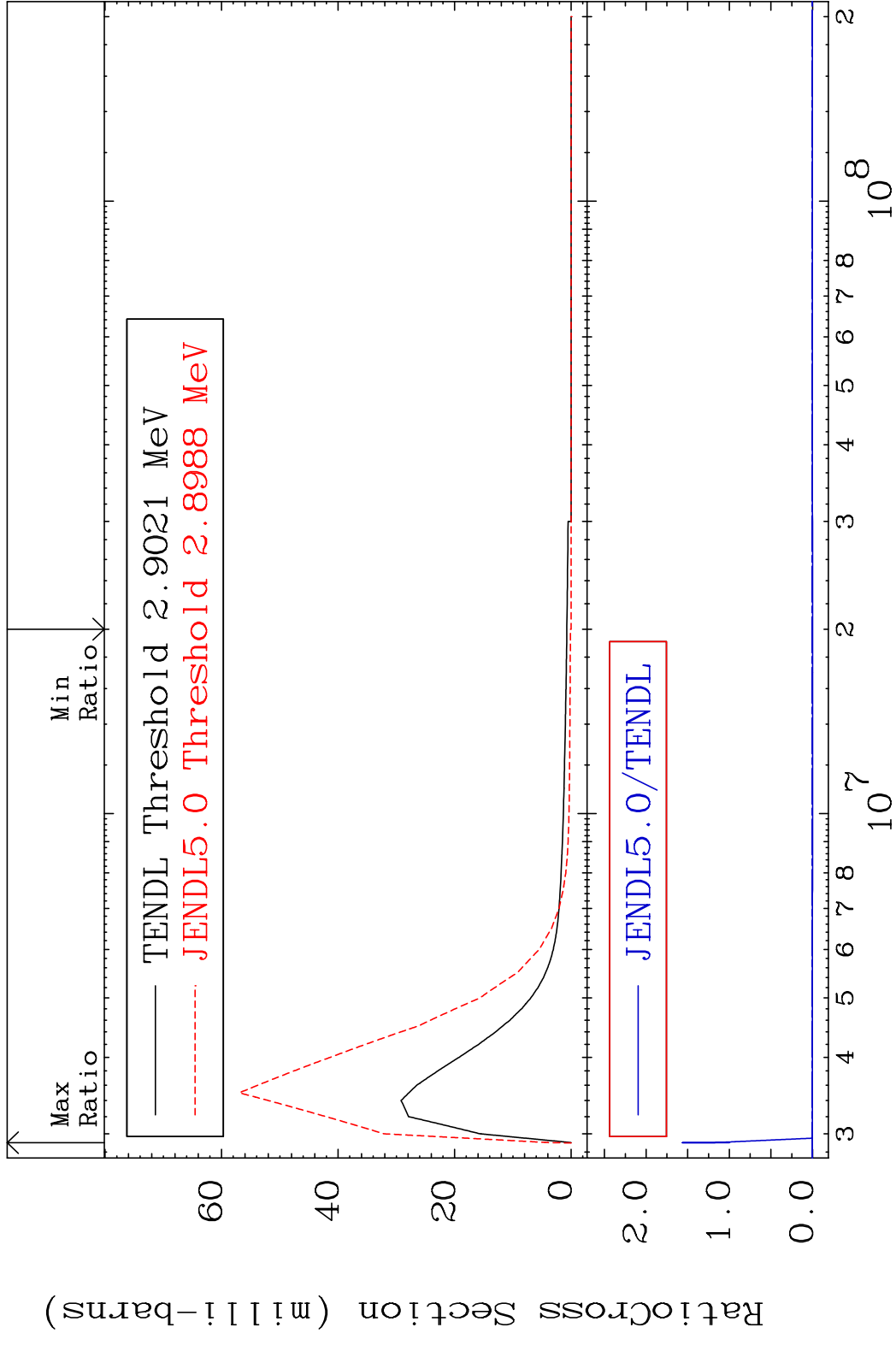
MAT 5061 MT= 74 (n, n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



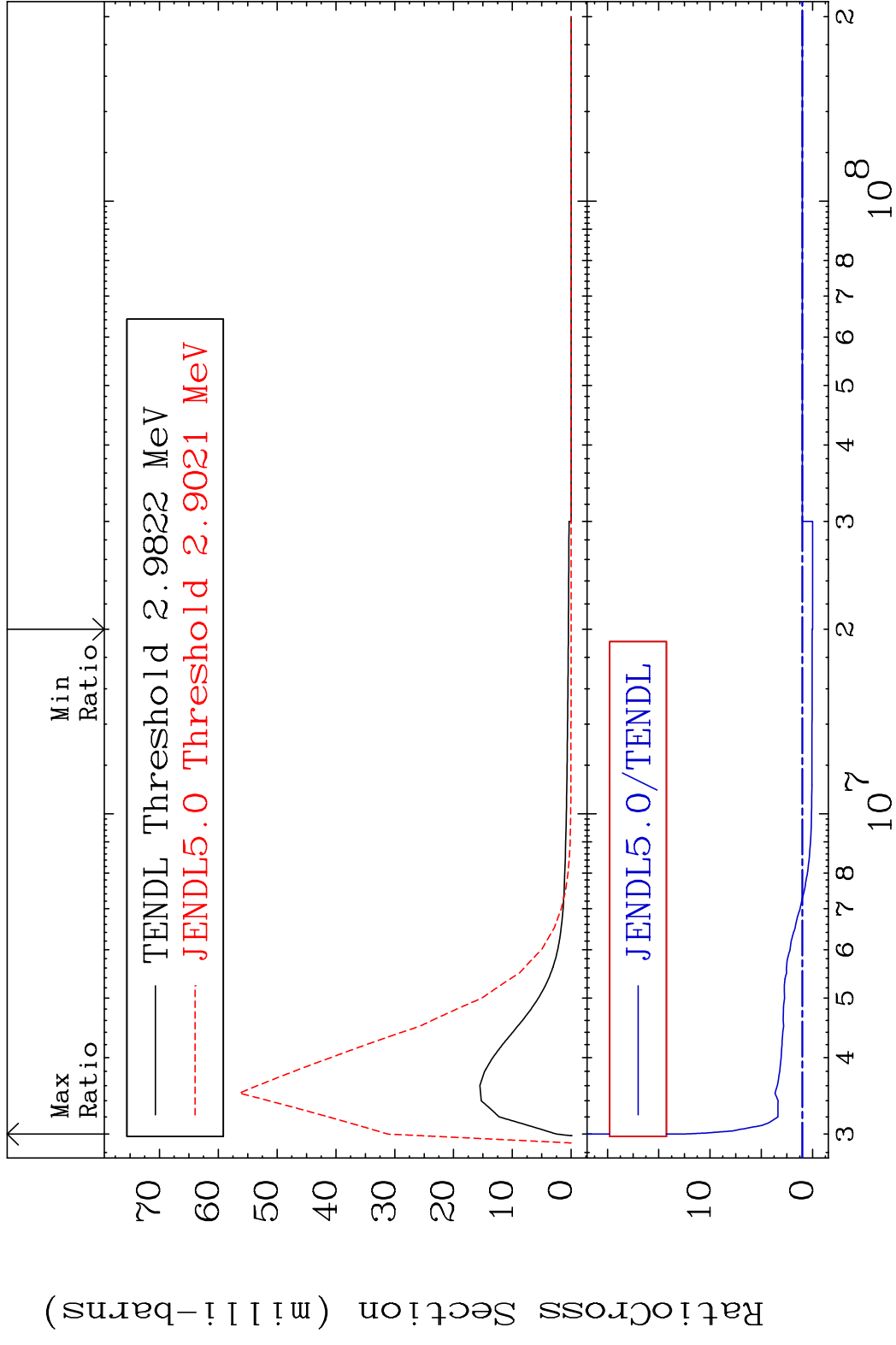
MAT 5061 MT= 75 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 76 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 MT= 77 (n,n') Level 50-Sn-124
 Cross Section -100.0 To 1170. %



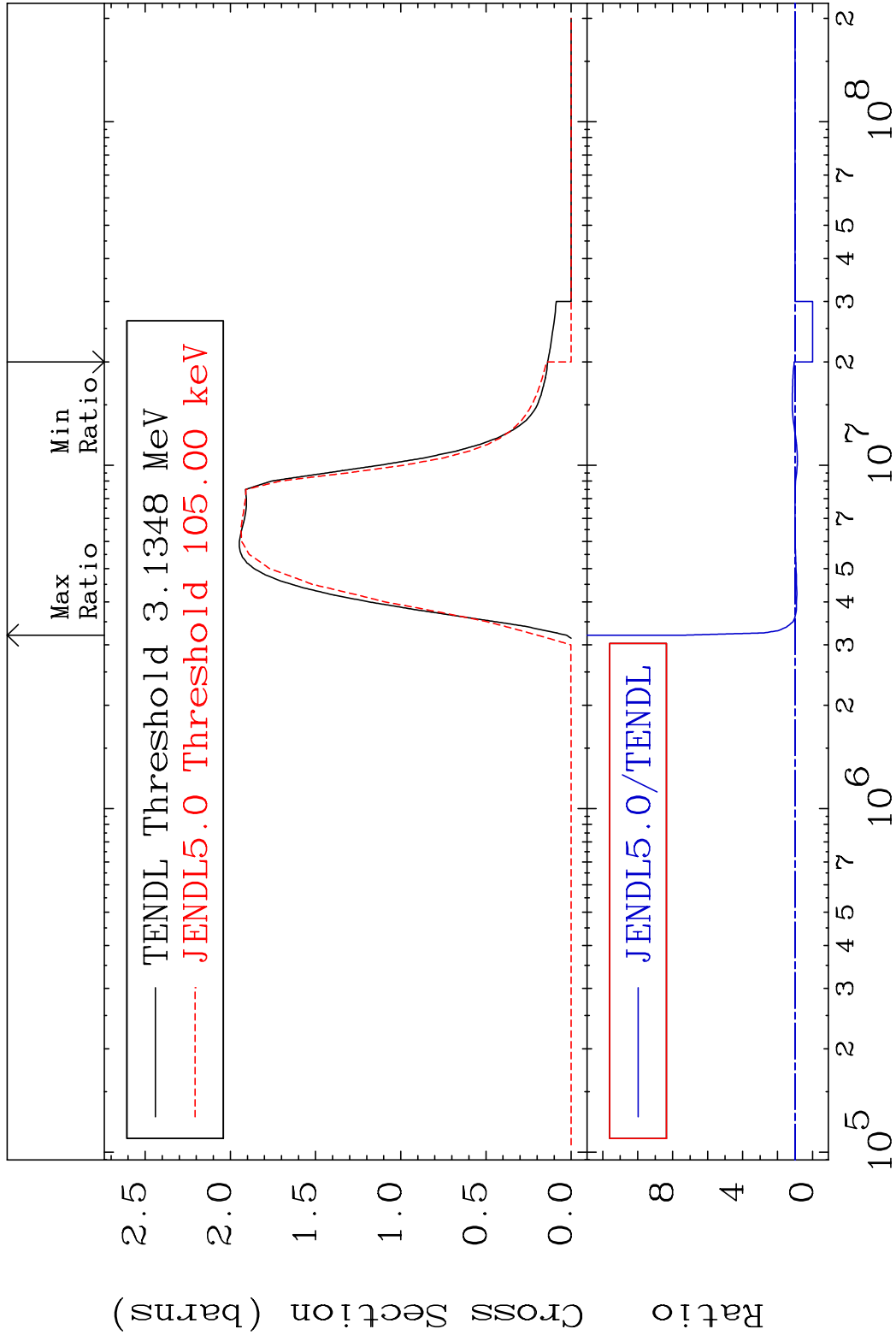
MAT 5061

(n, n') Continuum

50-Sn-124

Cross Section

-100.0 To 644.7 %



36

Incident Energy (eV)

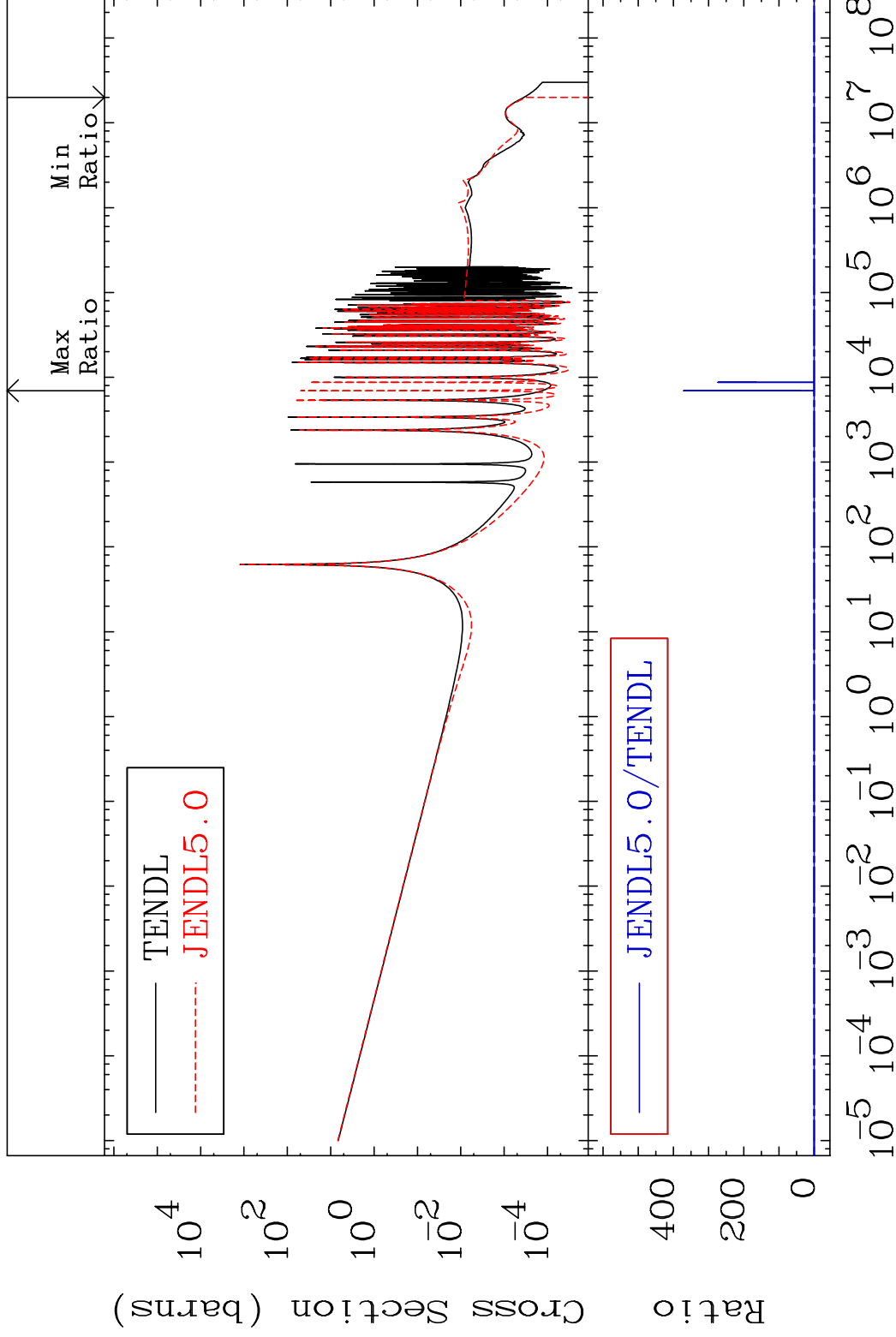
50-Sn-124

MAT 5061

(n, γ)

50-Sn-124

Cross Section -100.0 To 9999. %

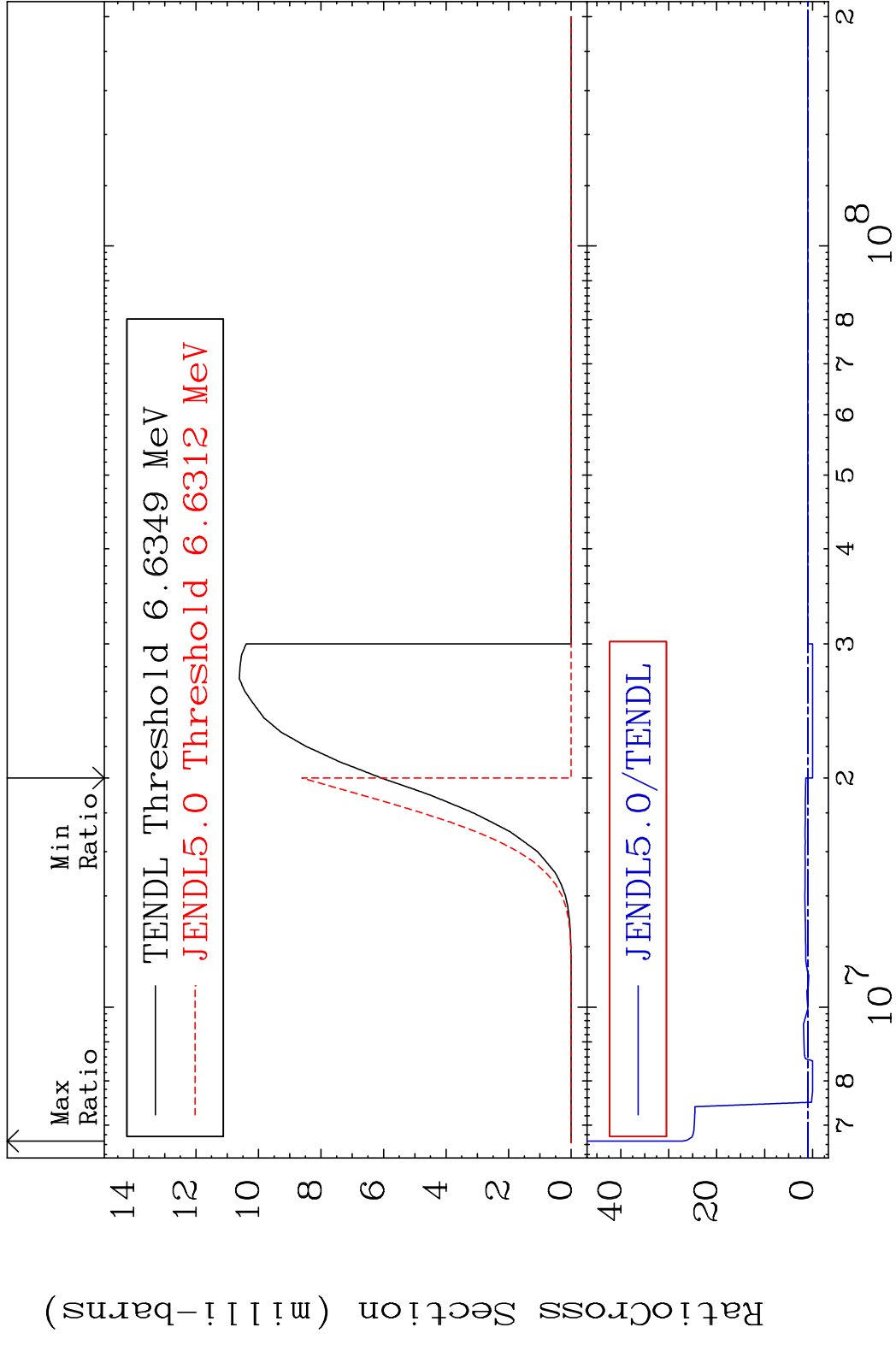


37

Incident Energy (eV)

50-Sn-124

MAT 5061 (n,p) 50-Sn-124
 Cross Section -100.0 To 2615. %

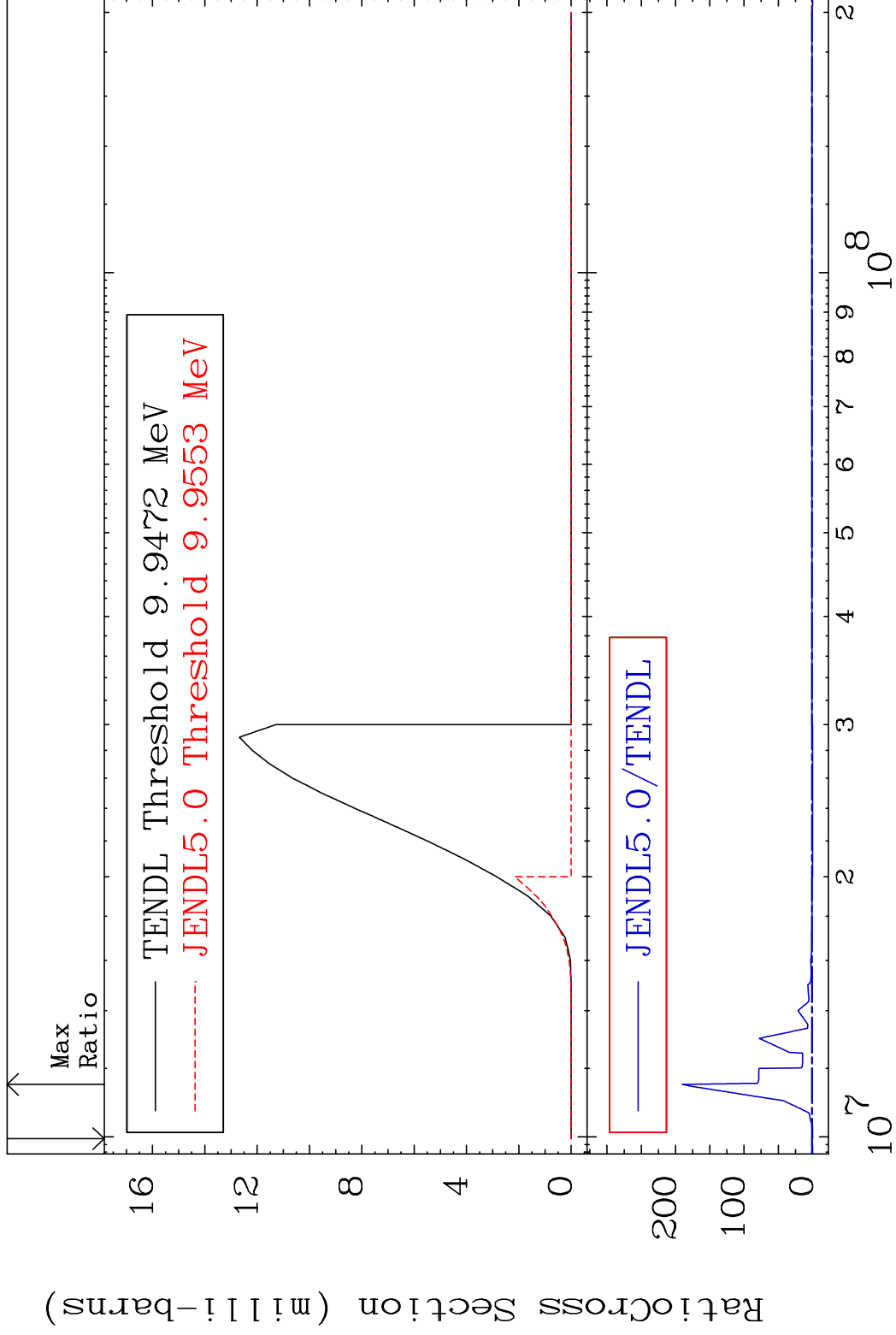


MAT 5061

(n,d)

50-Sn-124

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

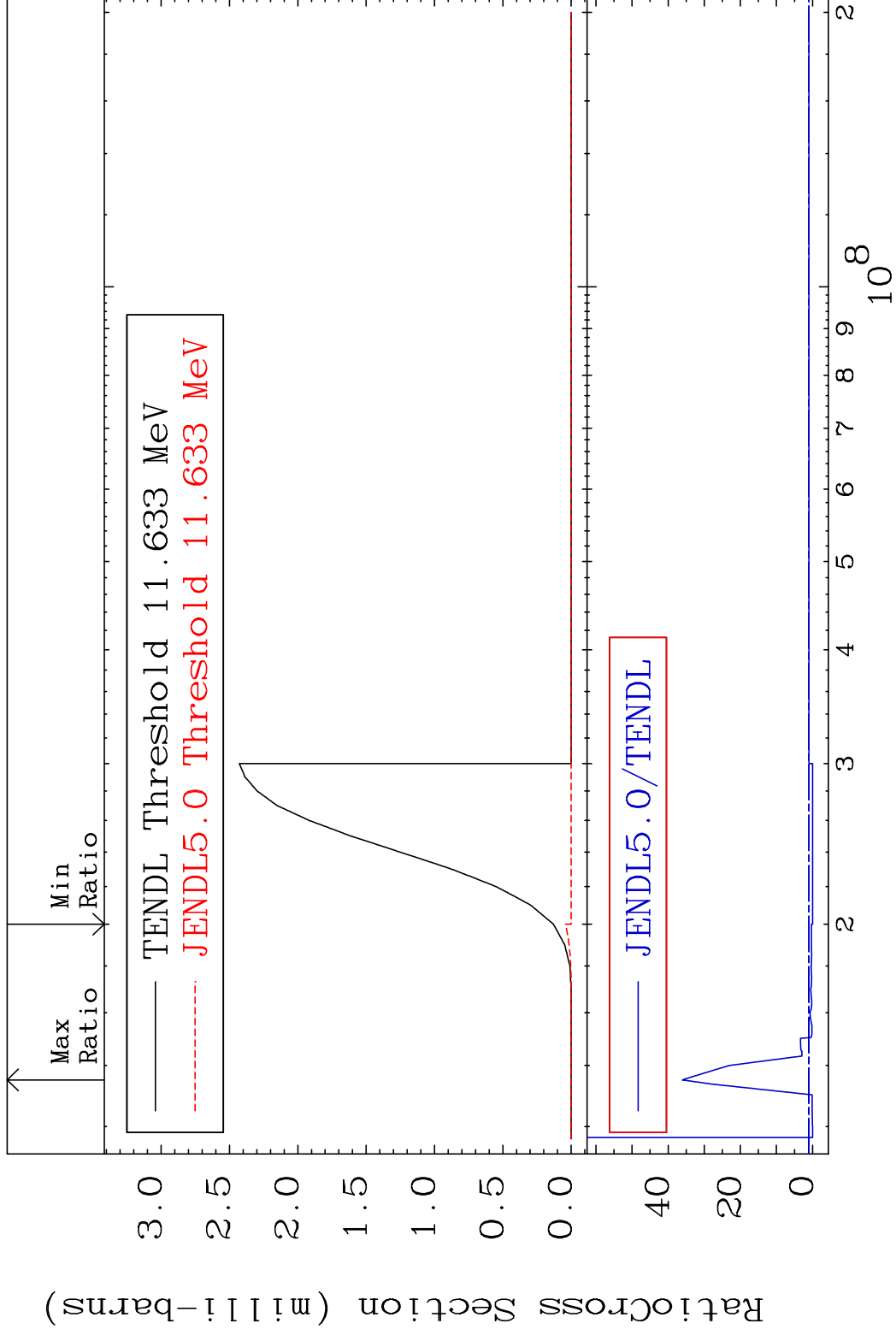
50-Sn-124

MAT 5061

(n, t)

50-Sn-124

Cross Section -100.0 To 3506. %



40

Incident Energy (eV)

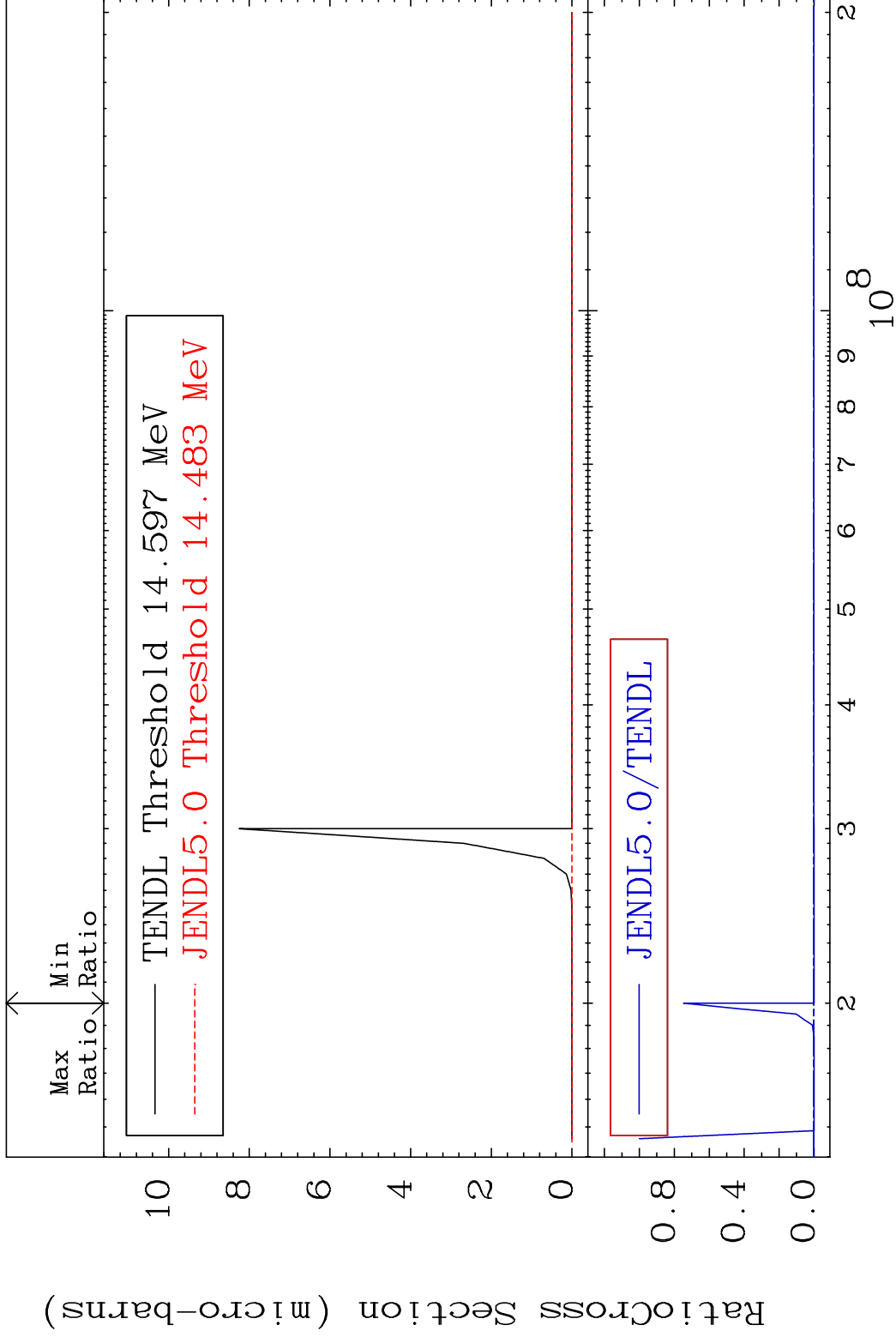
50-Sn-124

MAT 5061

(n, He-3)

50-Sn-124

Cross Section -100.0 To 9999. %

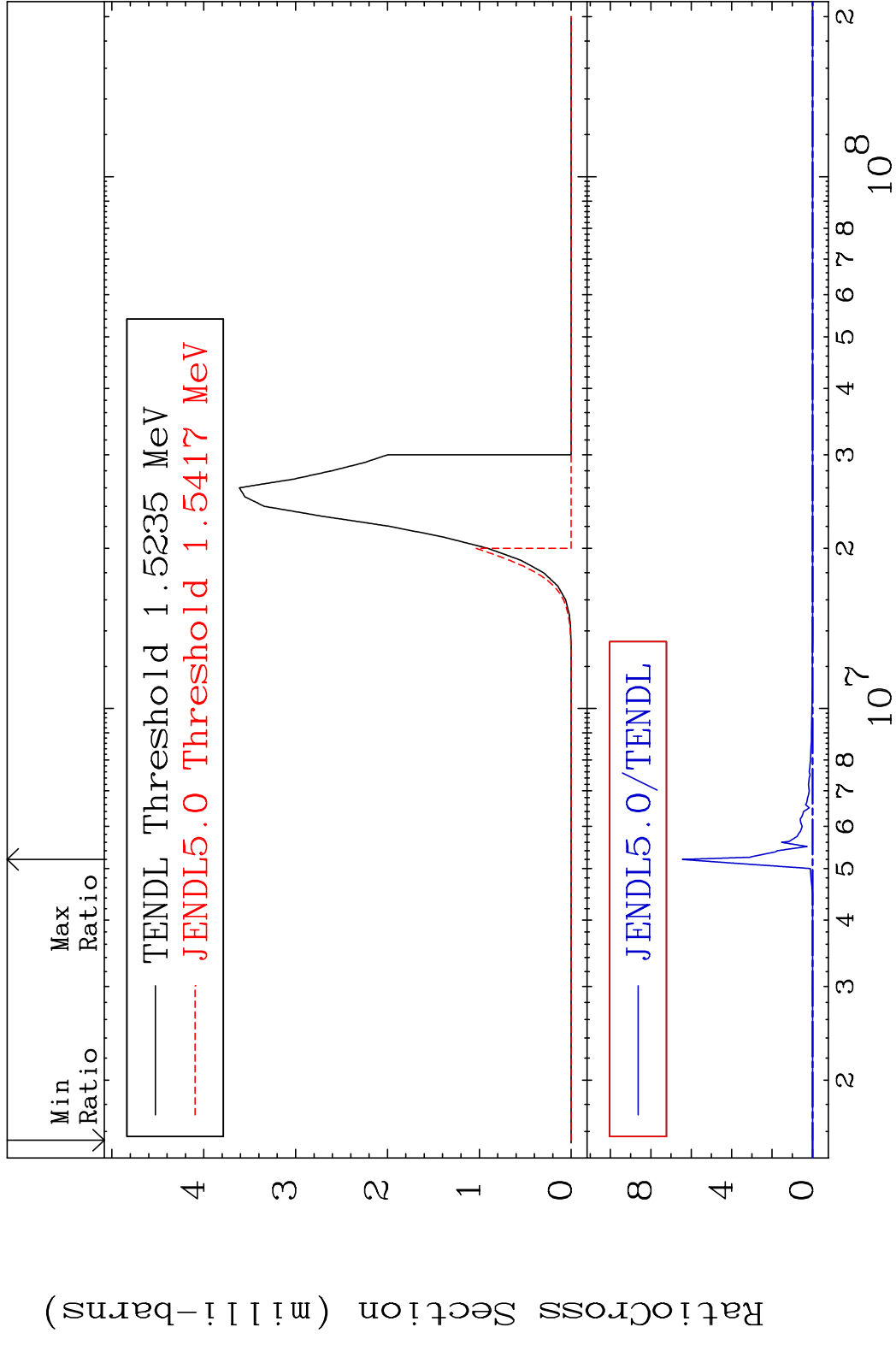


41

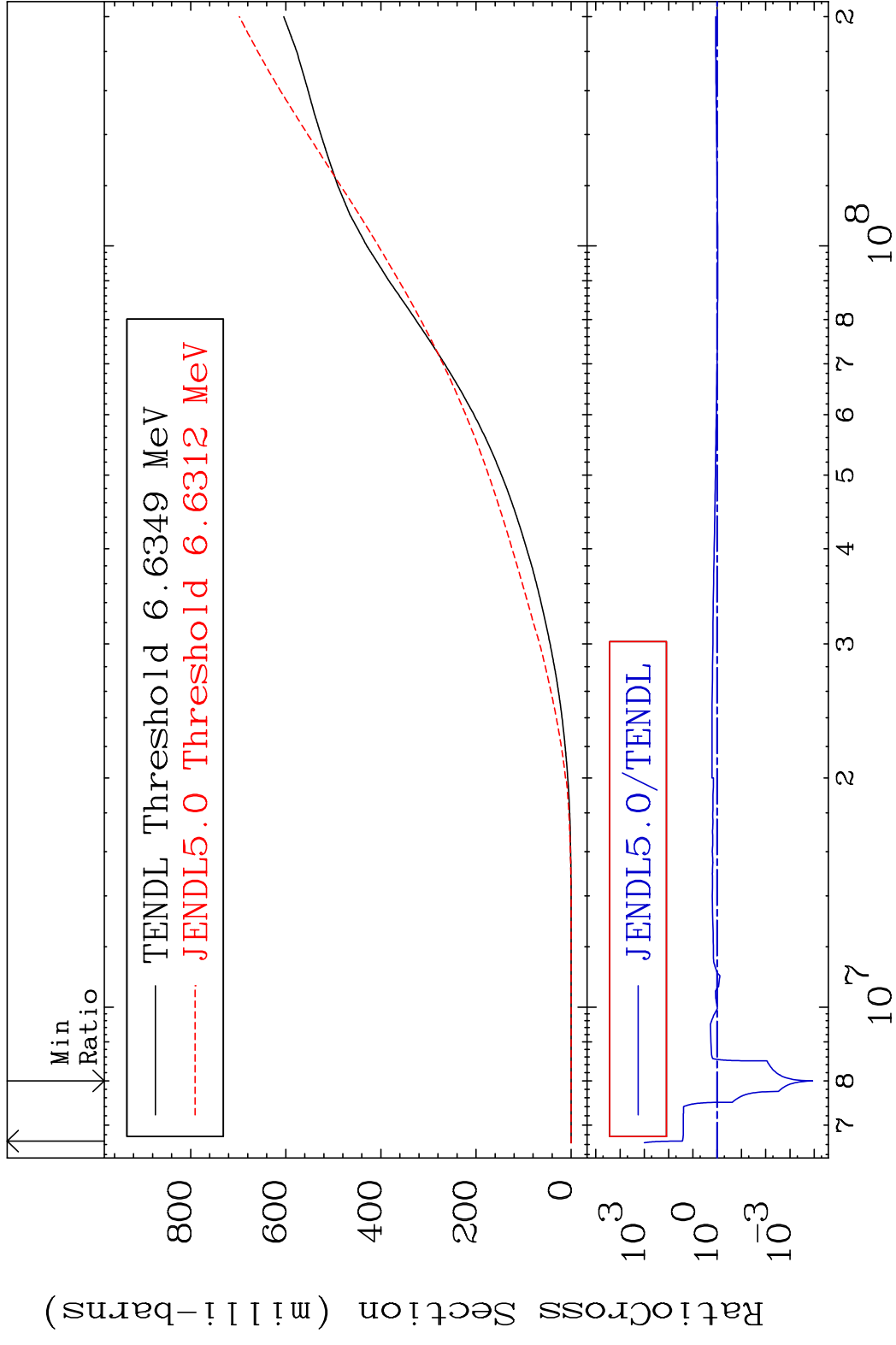
Incident Energy (eV)

50-Sn-124

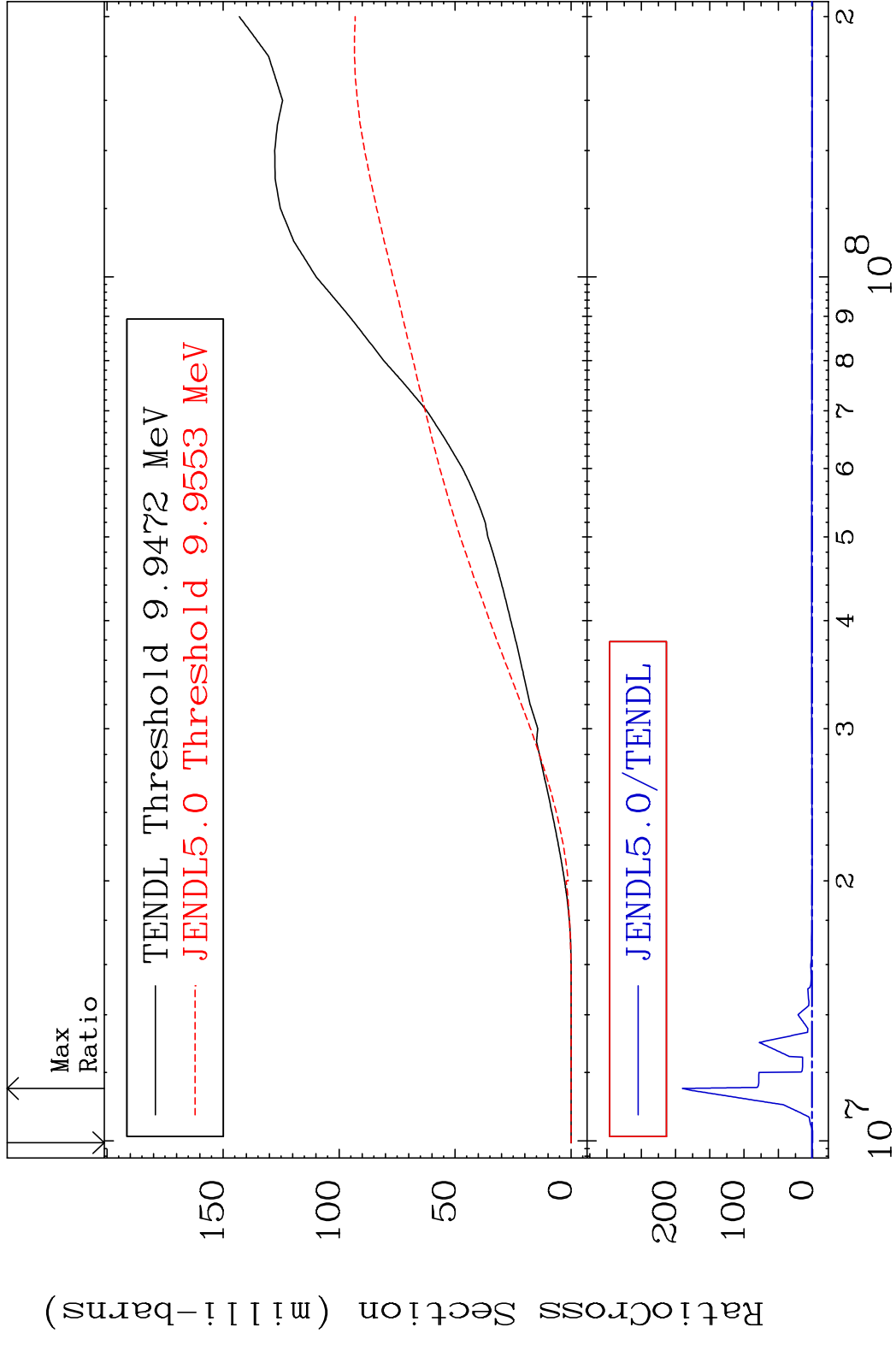
MAT 5061 (n, α) 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 Hydrogen Production 50-Sn-124
 Cross Section -99.99 To 2615. %

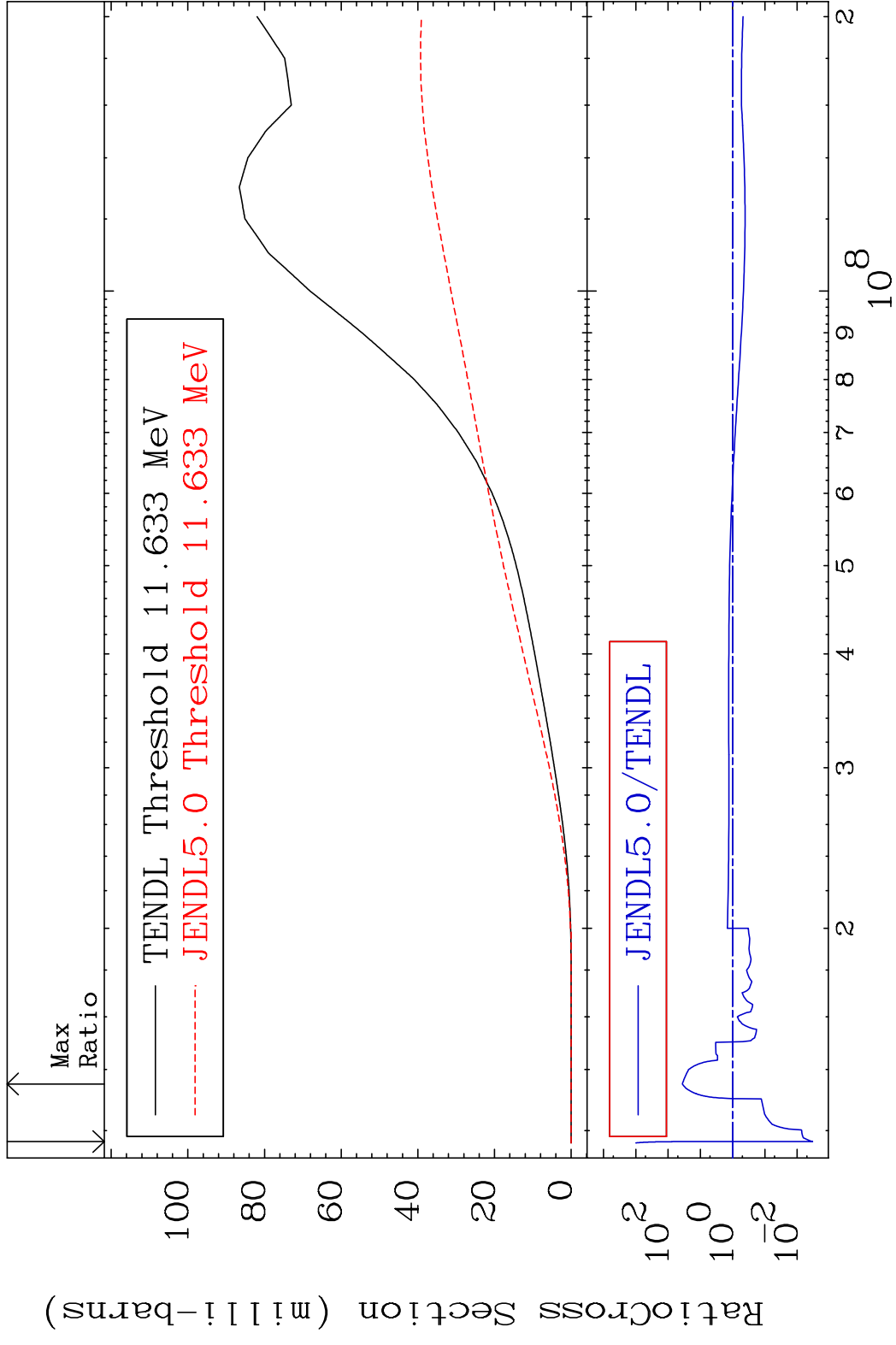


MAT 5061 Deuterium Production 50-Sn-124
 Cross Section -100.0 To 9999. %

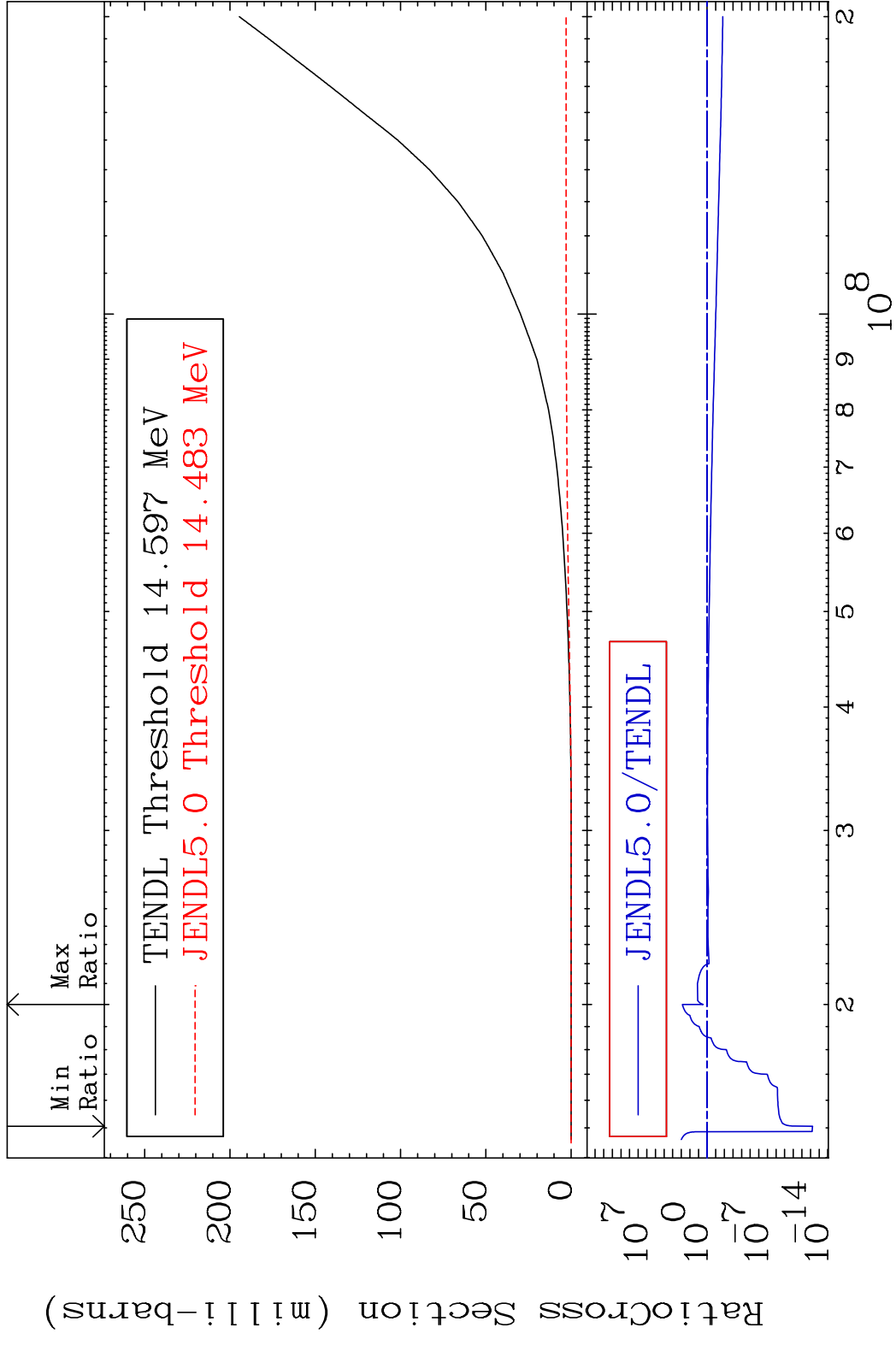


44 50-Sn-124

MAT 5061 Tritium Production 50-Sn-124
 Cross Section -99.67 To 3506. %



MAT 5061 He-3 Production 50-Sn-124
 Cross Section -100.0 To 9999. %

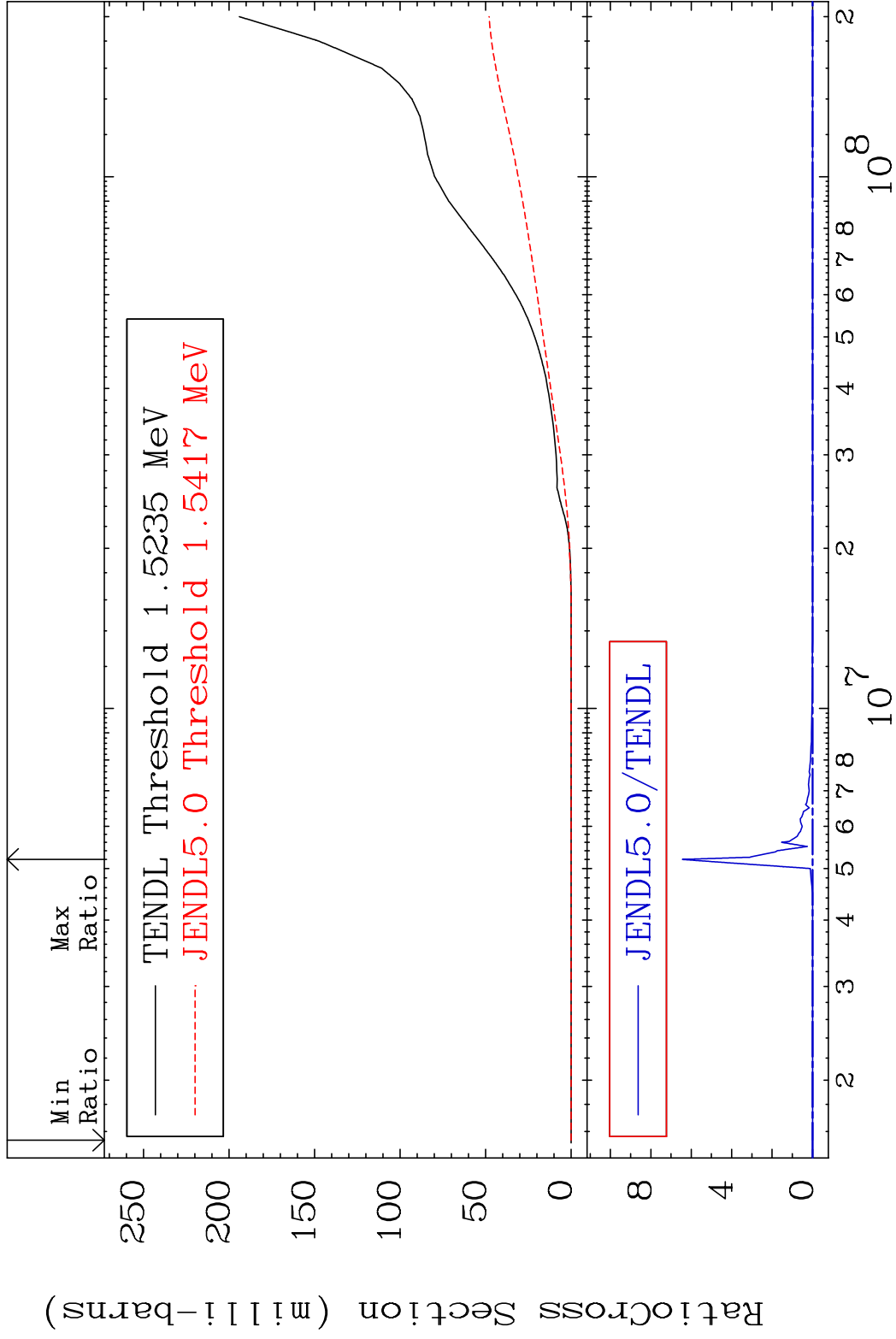


MAT 5061

He-4 Production

50-Sn-124

Cross Section -100.0 To 9999. %

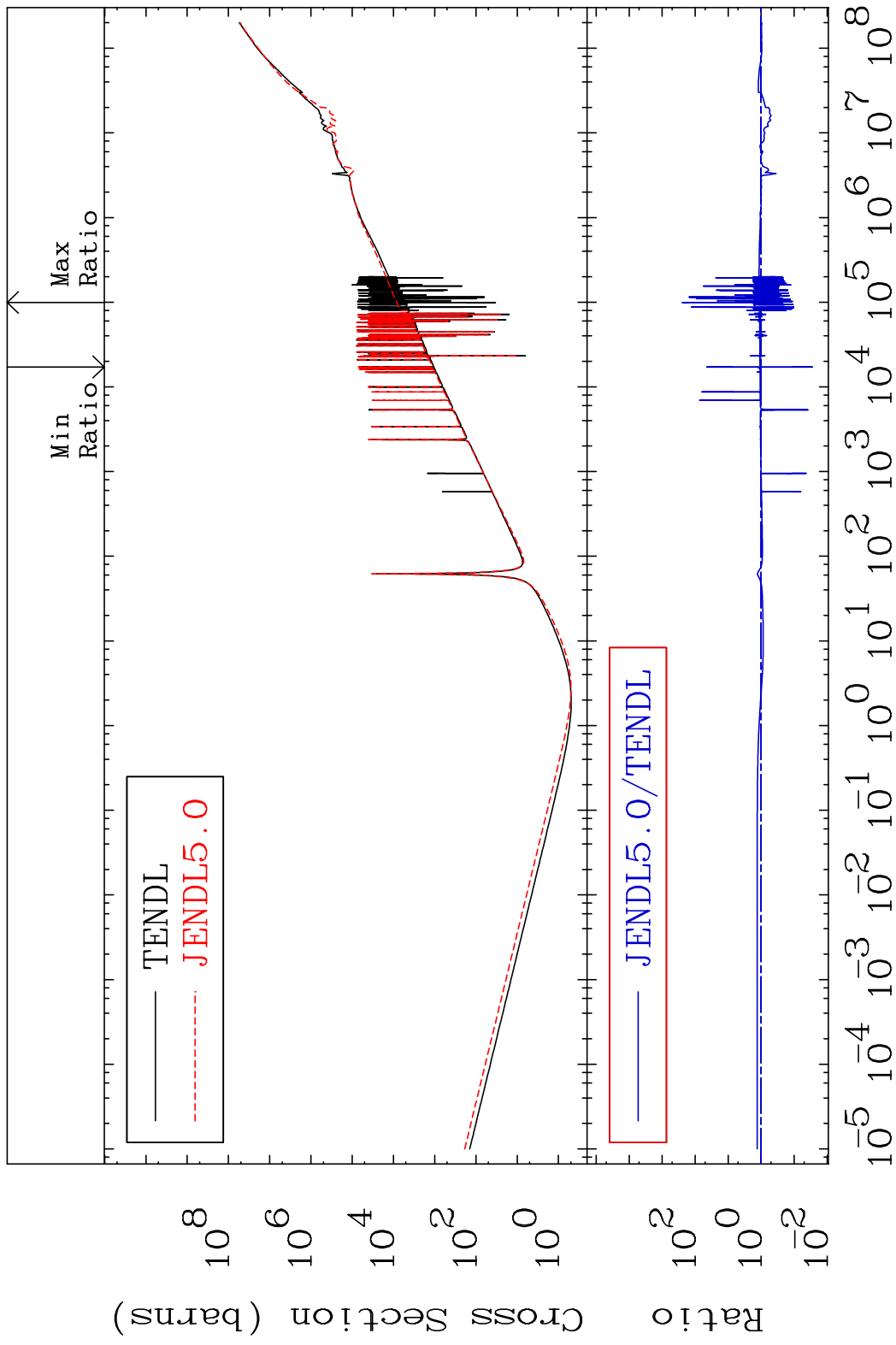


47

Incident Energy (eV)

50-Sn-124

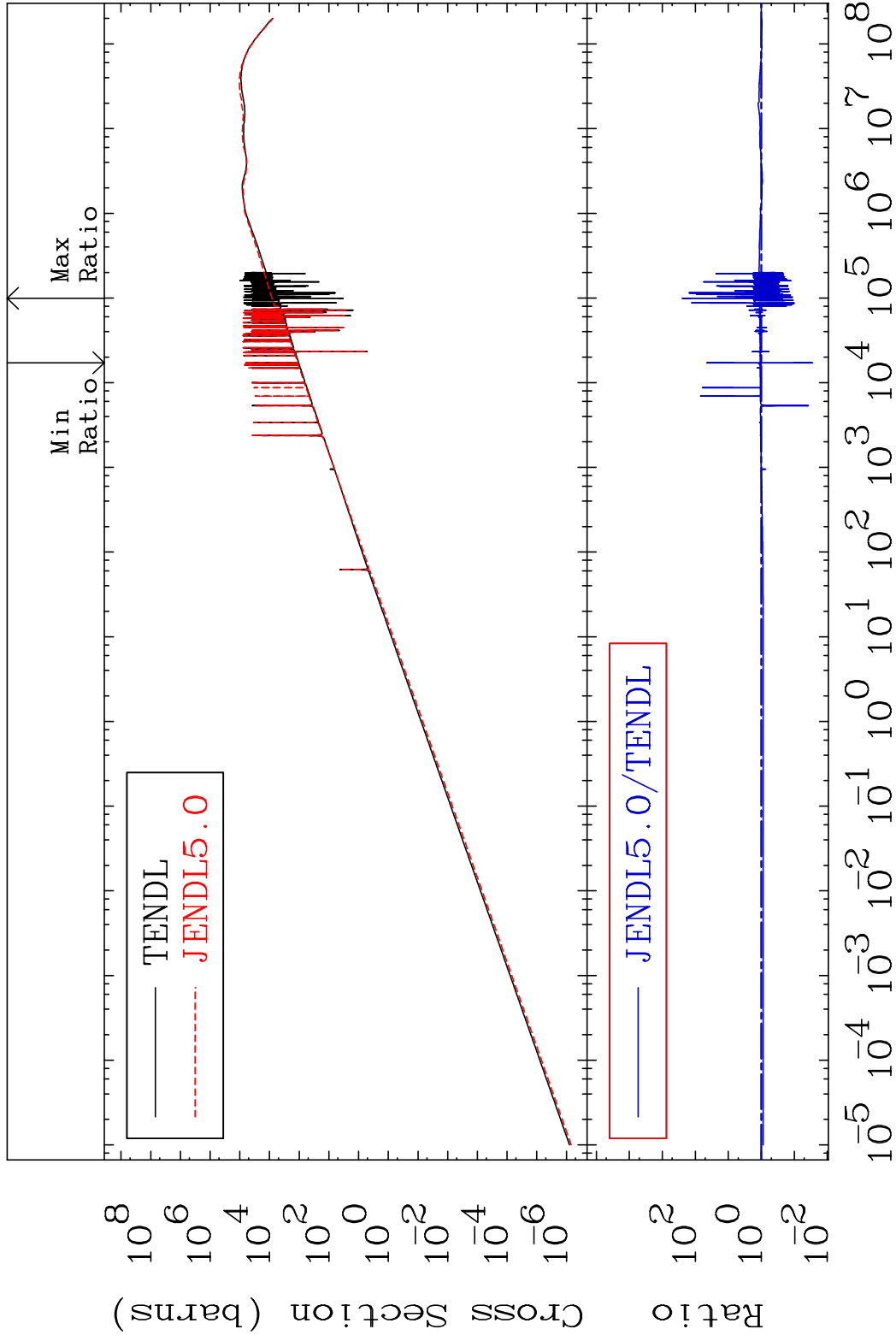
MAT 5061 Kerma total (eV-barns) 50-Sn-124
 Cross Section -97.23 To 9999. %



MAT 5061

Kerma elastic
Cross Section

50-Sn-124
-97.21 To 9999. %

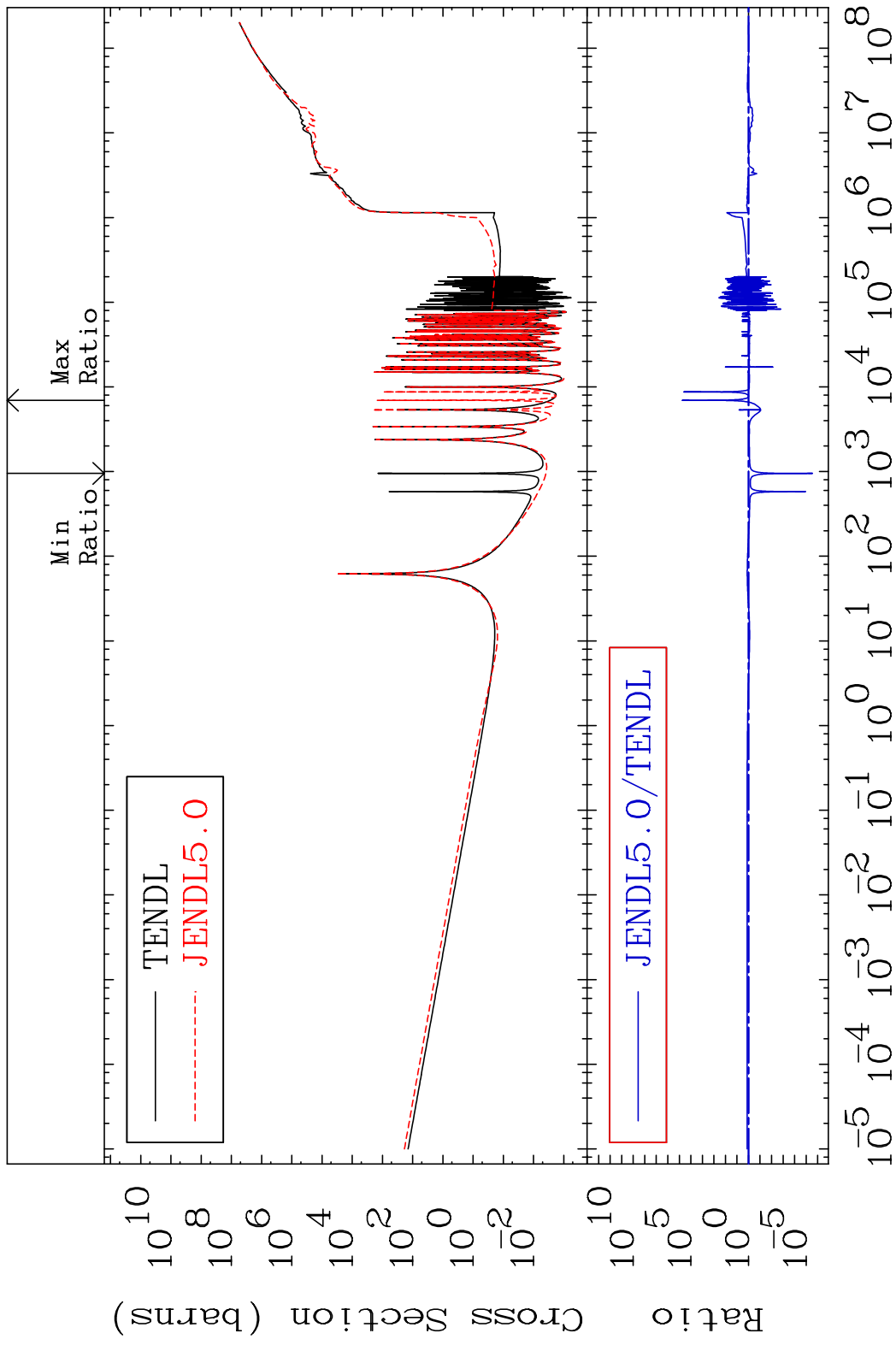


49

Incident Energy (eV)

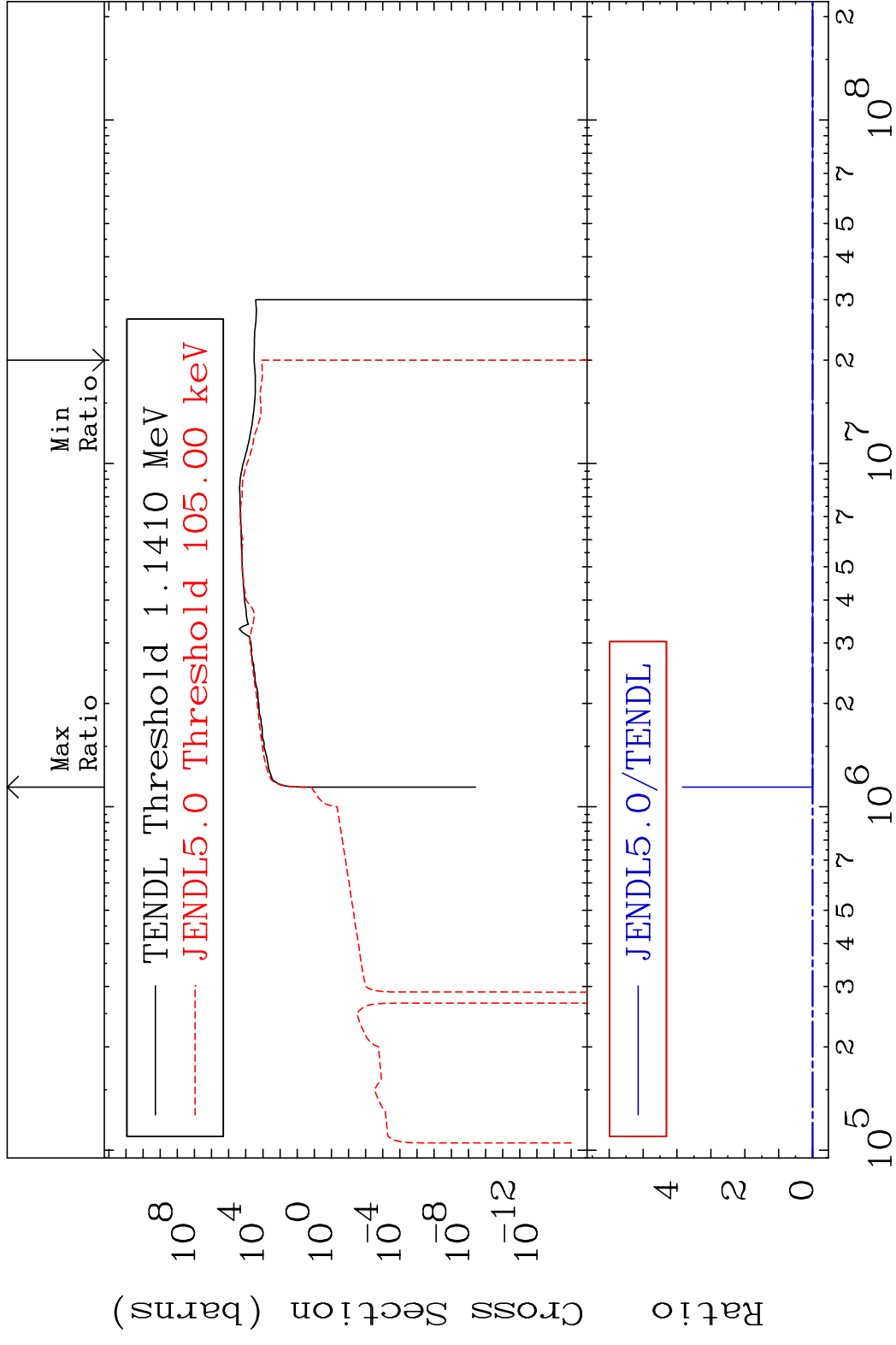
50-Sn-124

MAT 5061 Kerma non-elastic (all but mt2) 50-Sn-124
 Cross Section -100.0 To 9999. %

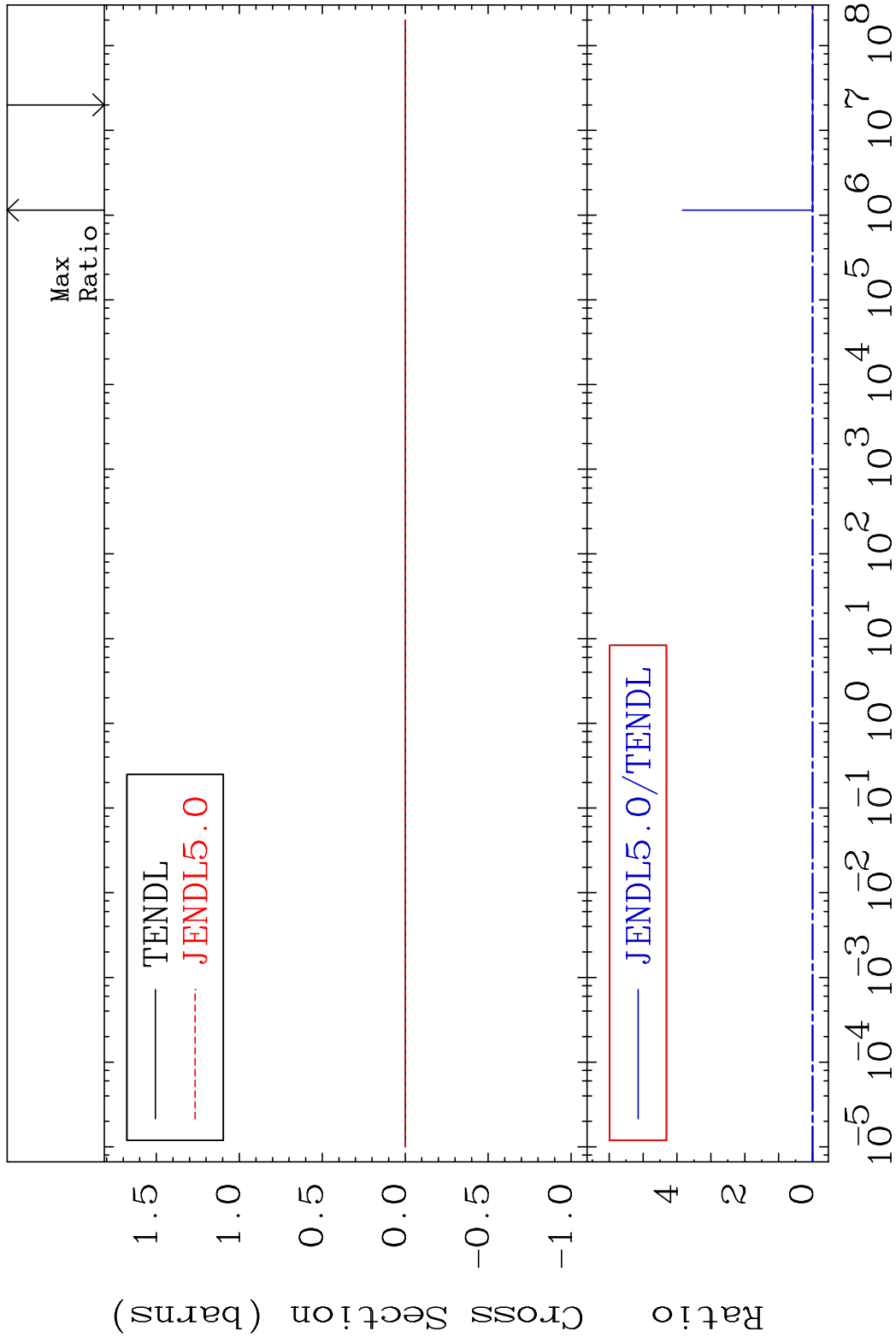


50 Incident Energy (eV) 50-Sn-124

MAT 5061 Kerma inelastic (mt51-91) 50-Sn-124
 Cross Section -100.0 To 9999. %



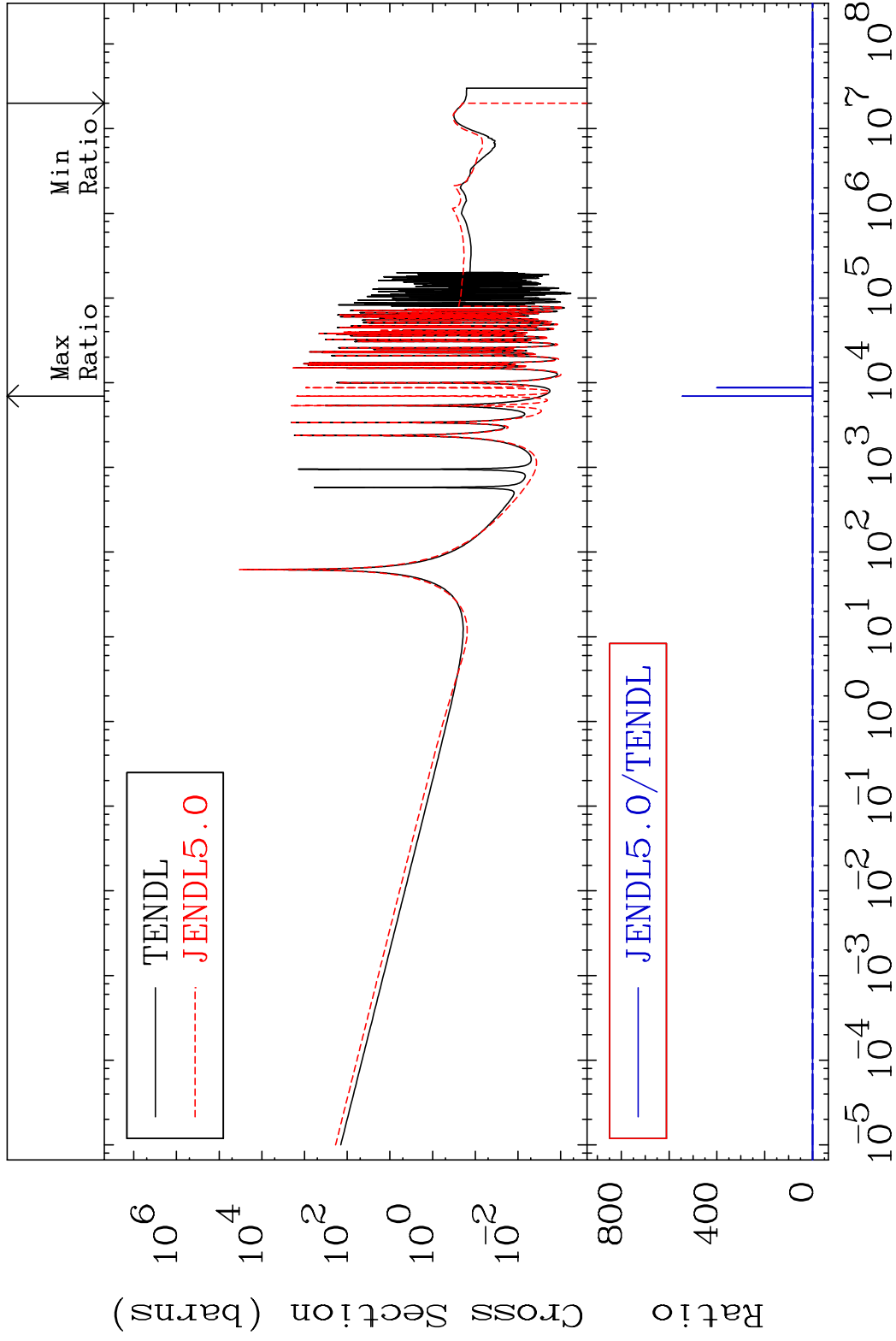
MAT 5061 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061

Kerma capture (mt102) 50-Sn-124

Cross Section -100.0 To 9999. %

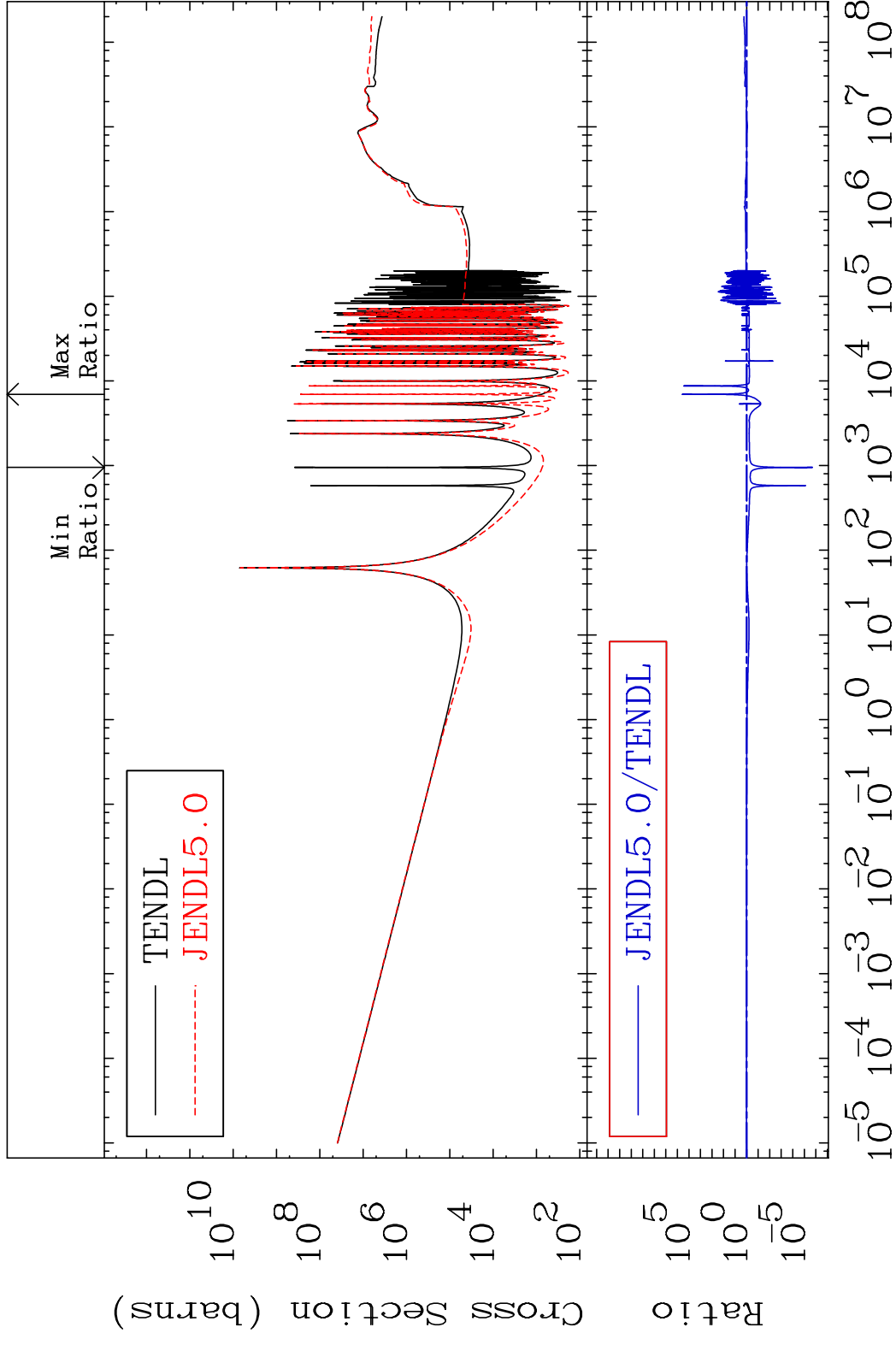


53

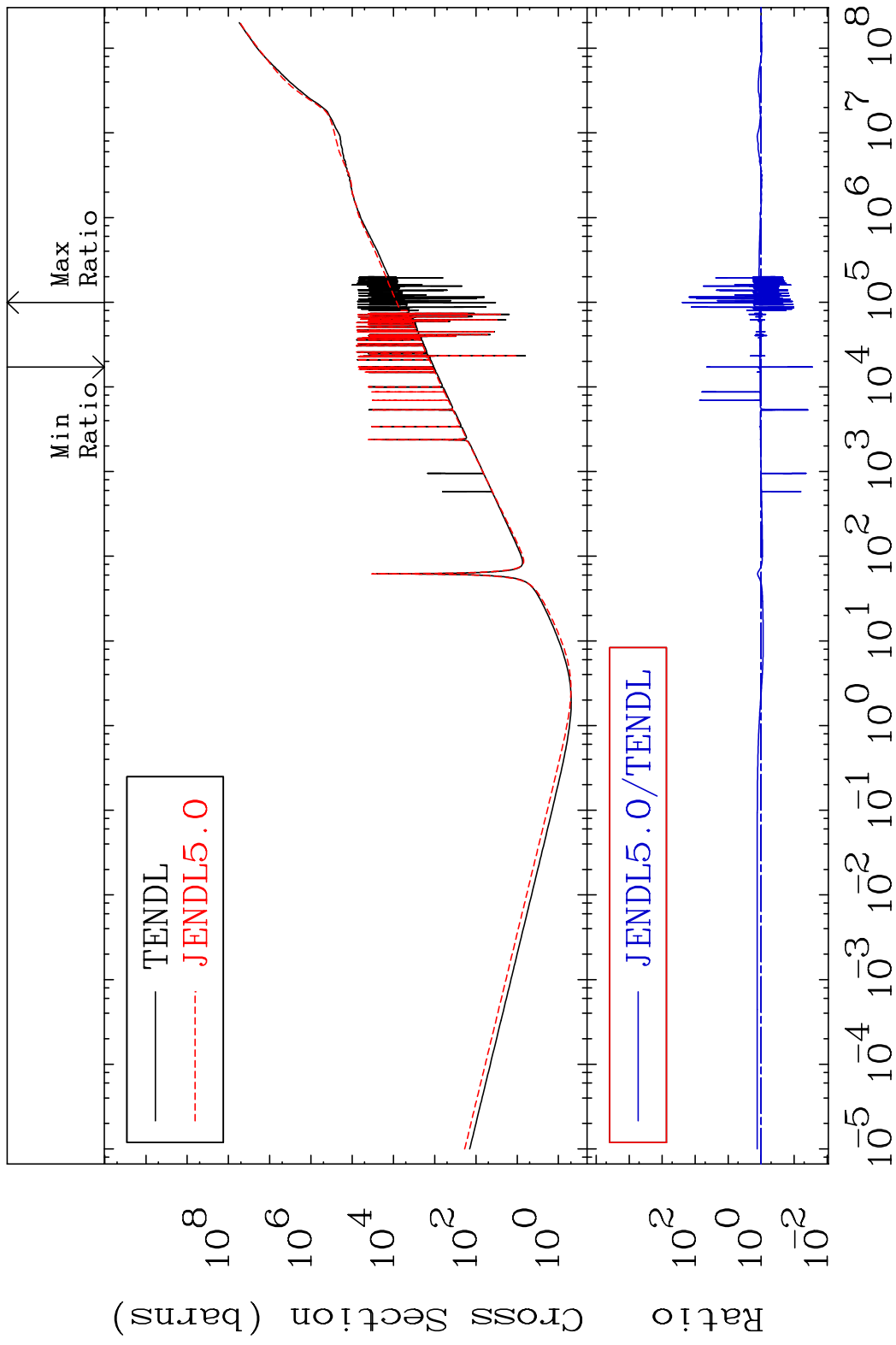
Incident Energy (eV)

50-Sn-124

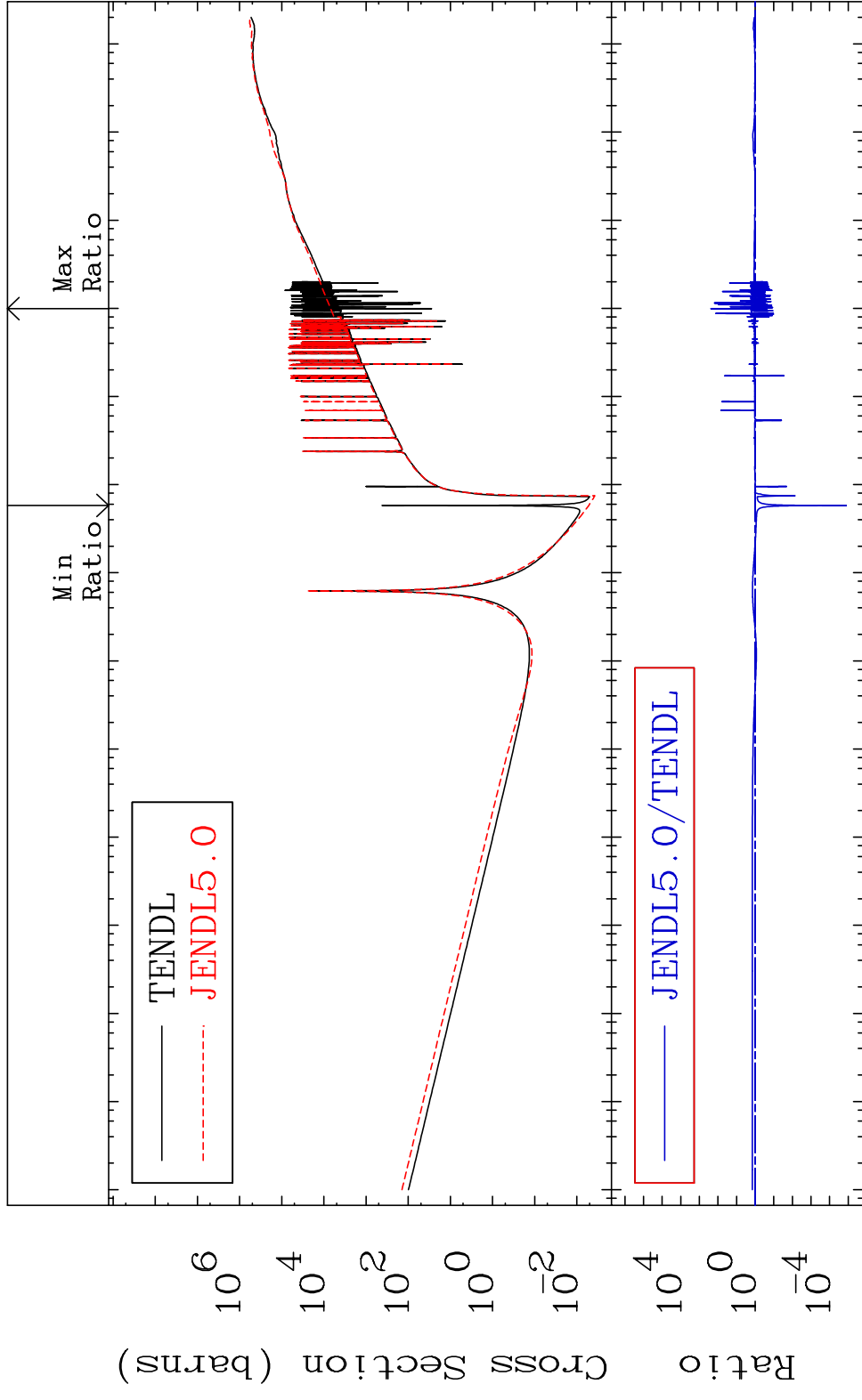
MAT 5061 Total photon (eV-barns) 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 Total kinematic kerma (high limit) 50-Sn-124
 Cross Section -97.23 To 9999. %



MAT 5061 Dpa total (eV-barns) 50-Sn-124
 Cross Section -100.0 To 9999. %



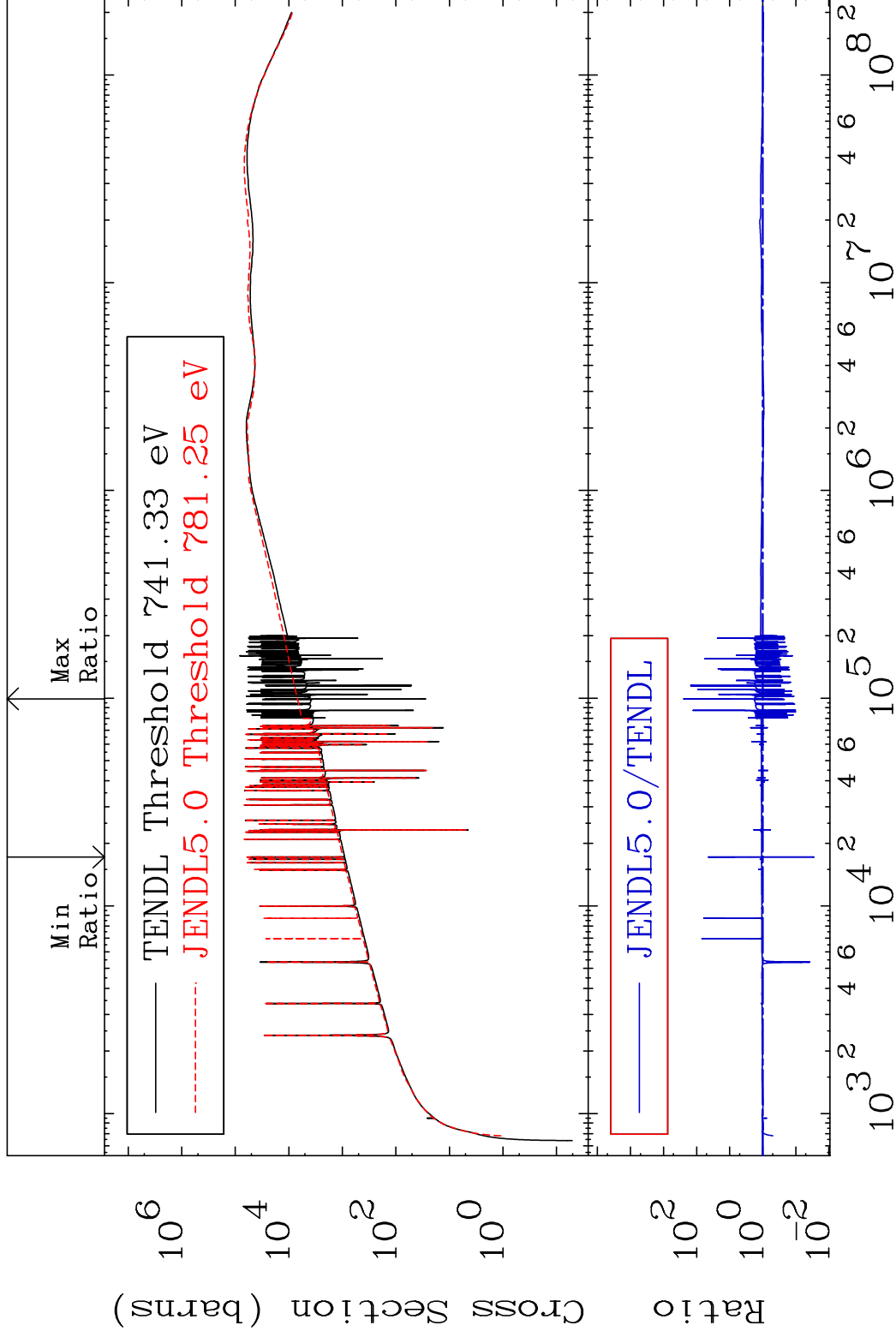
Incident Energy (eV) 50-Sn-124

MAT 5061

Dpa elastic (mt2)

50-Sn-124

Cross Section -97.21 To 9999. %

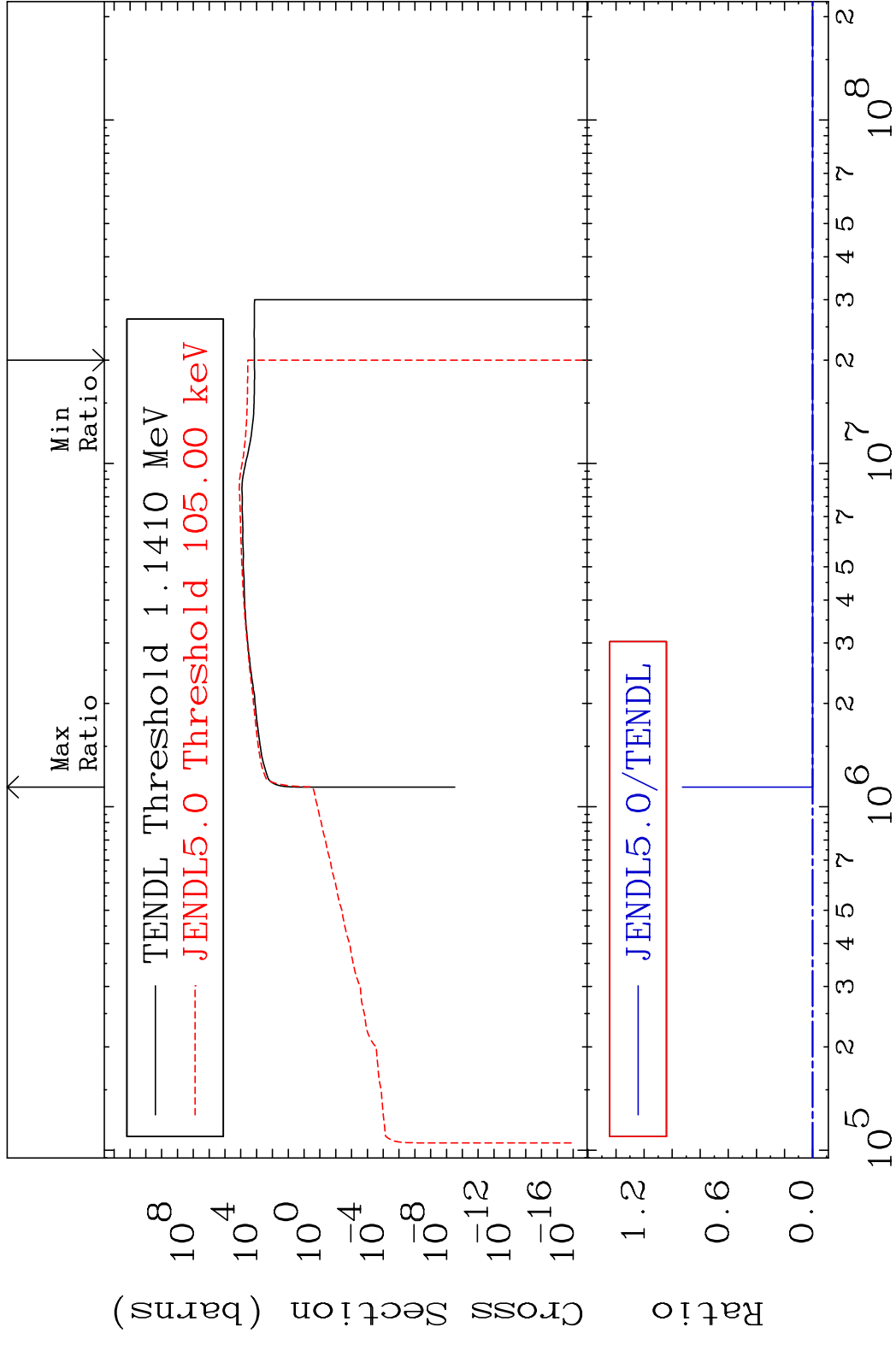


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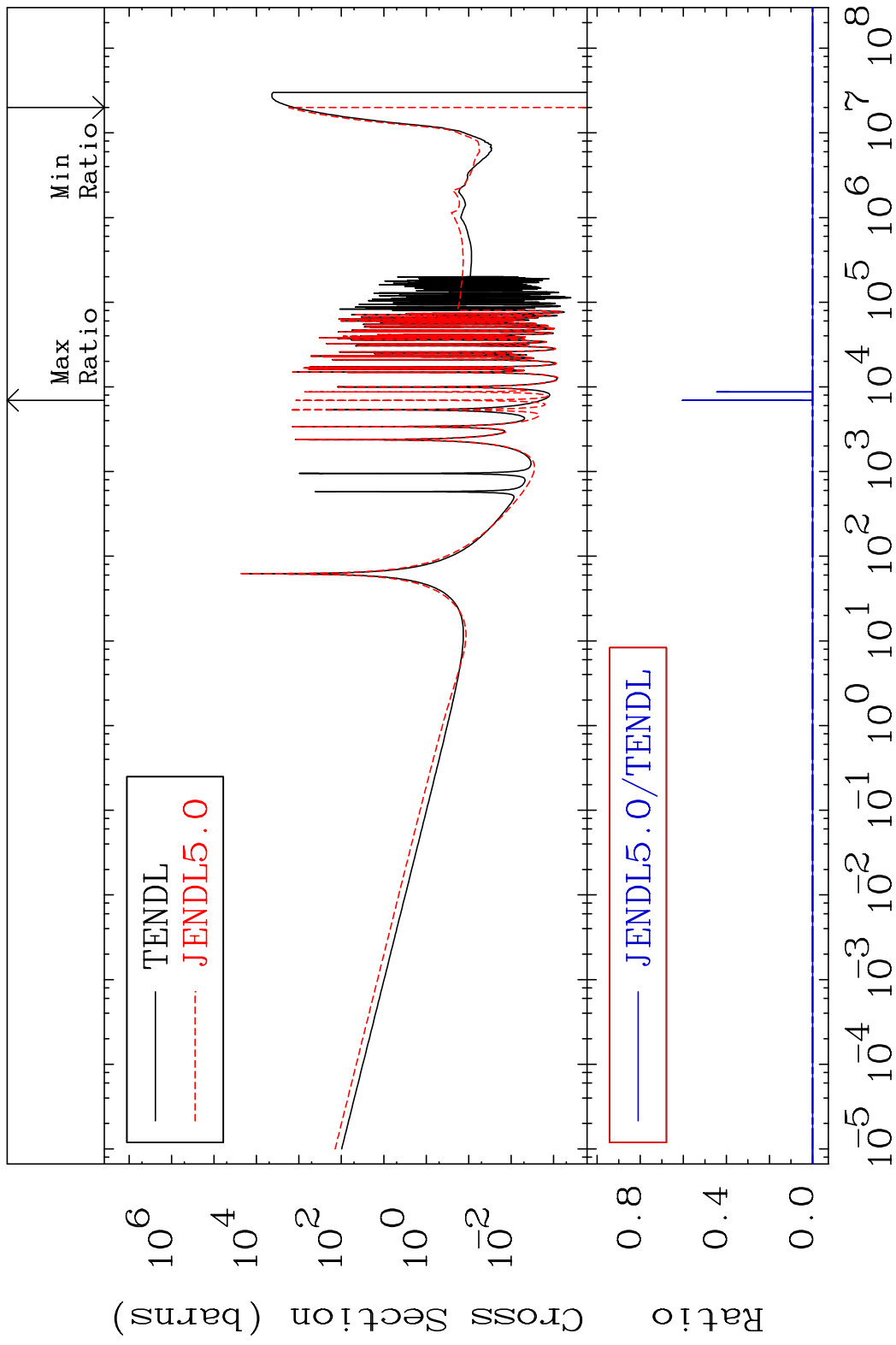
Incident Energy (eV)

50-Sn-124

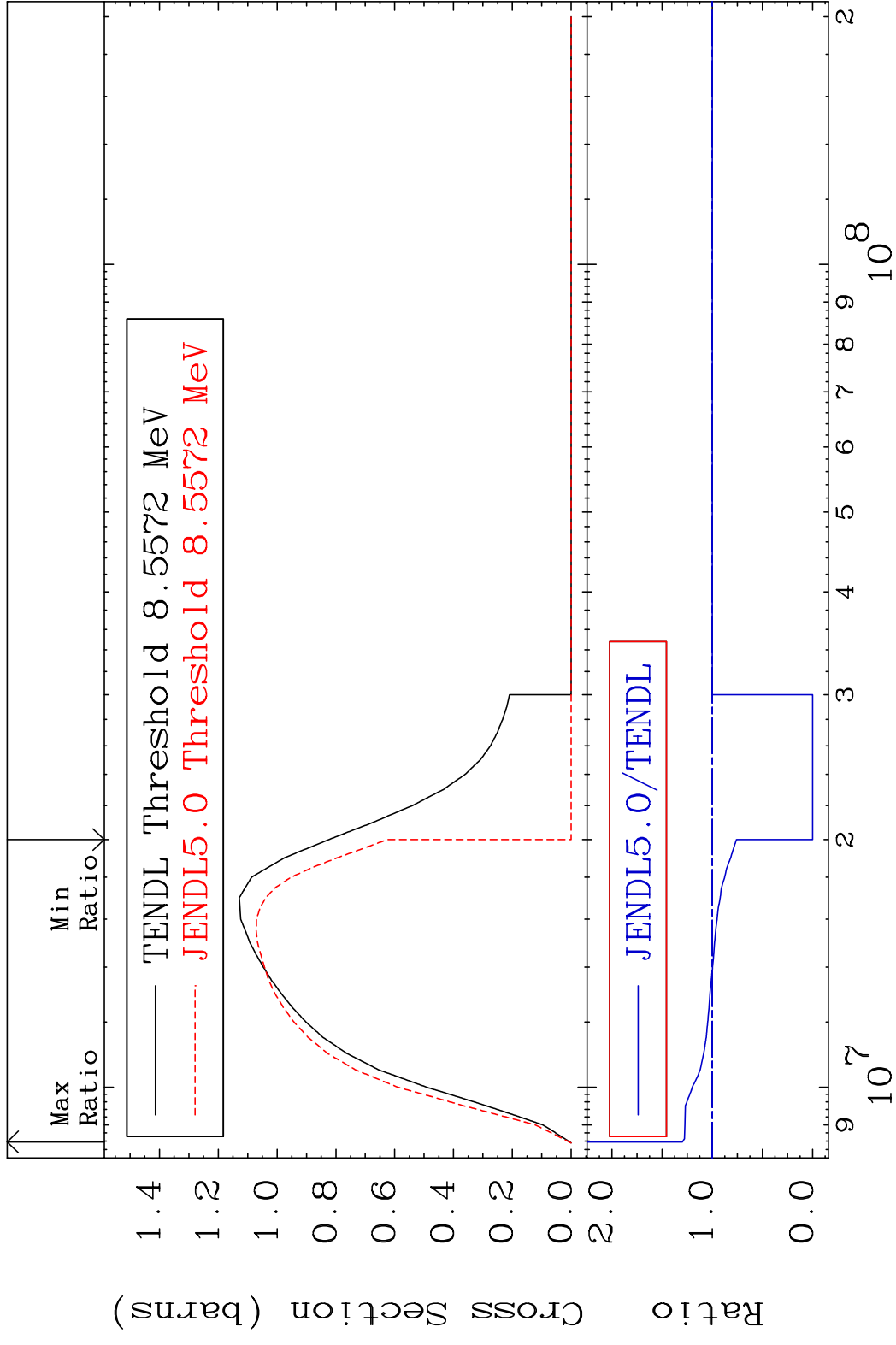
MAT 5061 Dpa inelastic (mt51-91) 50-Sn-124
 Cross Section -100.0 To 9999. %



MAT 5061 Dpa disappearance (mt102 -120) 50-Sn-124
 Cross Section -100.0 To 9999. %

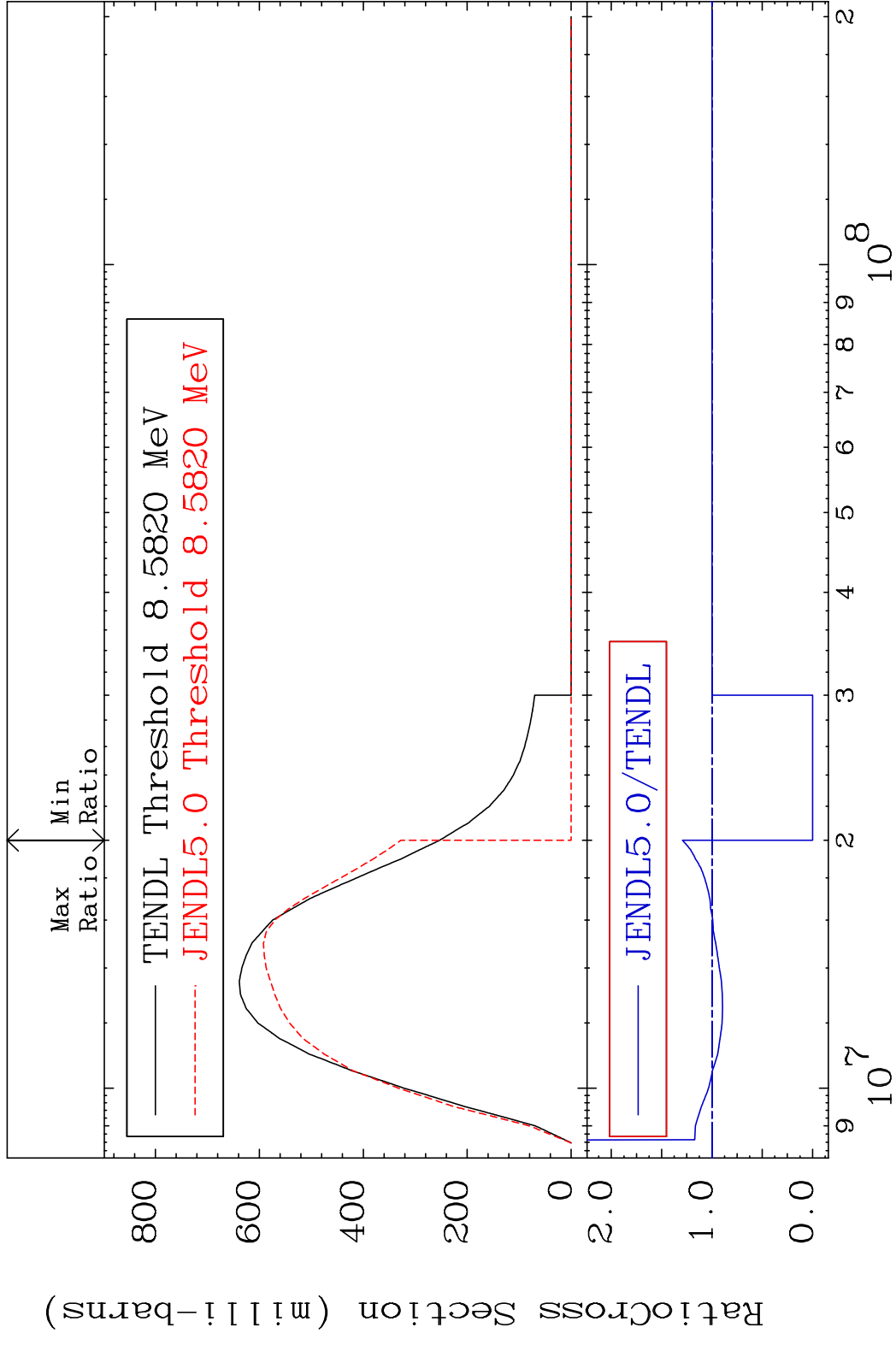


MAT 5061 (n,2n):50-Sn-123g 50-Sn-124
 Radionuclide Production Cross Section Ratio 29.77 %

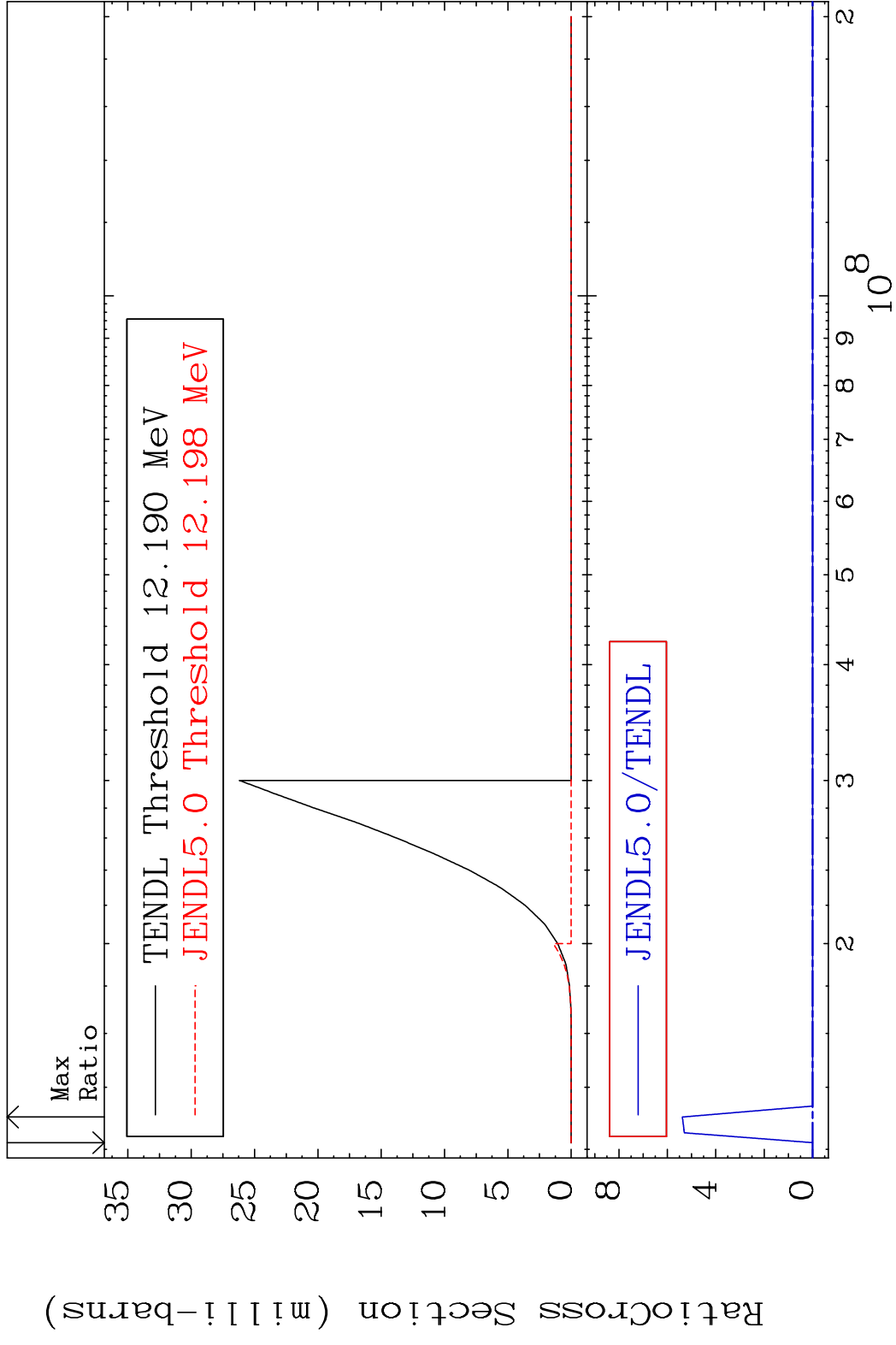


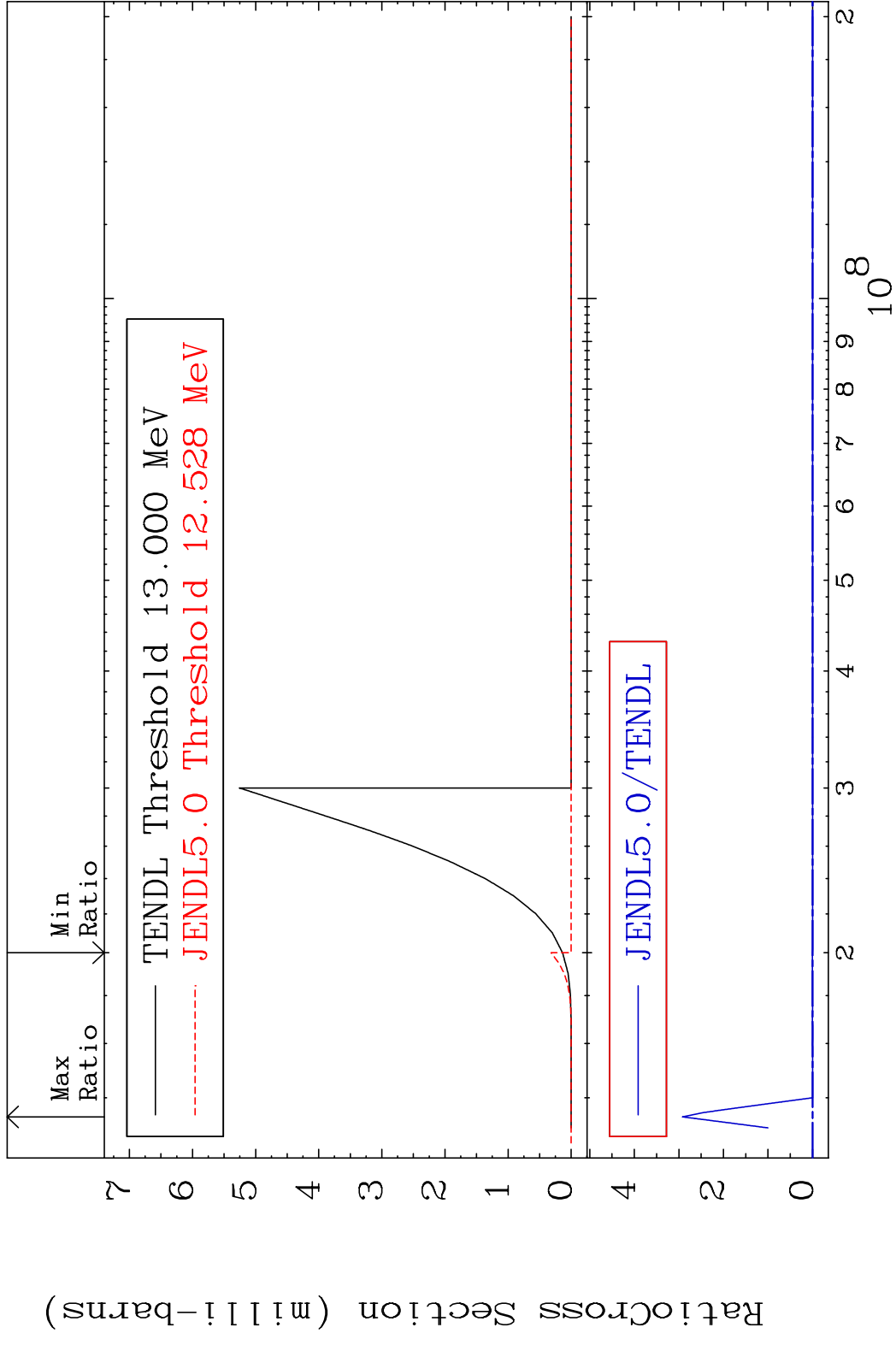
60 Incident Energy (eV) 50-Sn-124

MAT 5061 (n,2n):50-Sn-123m1 50-Sn-124
 Radionuclide Production Cross Section Ratio 29.42 %

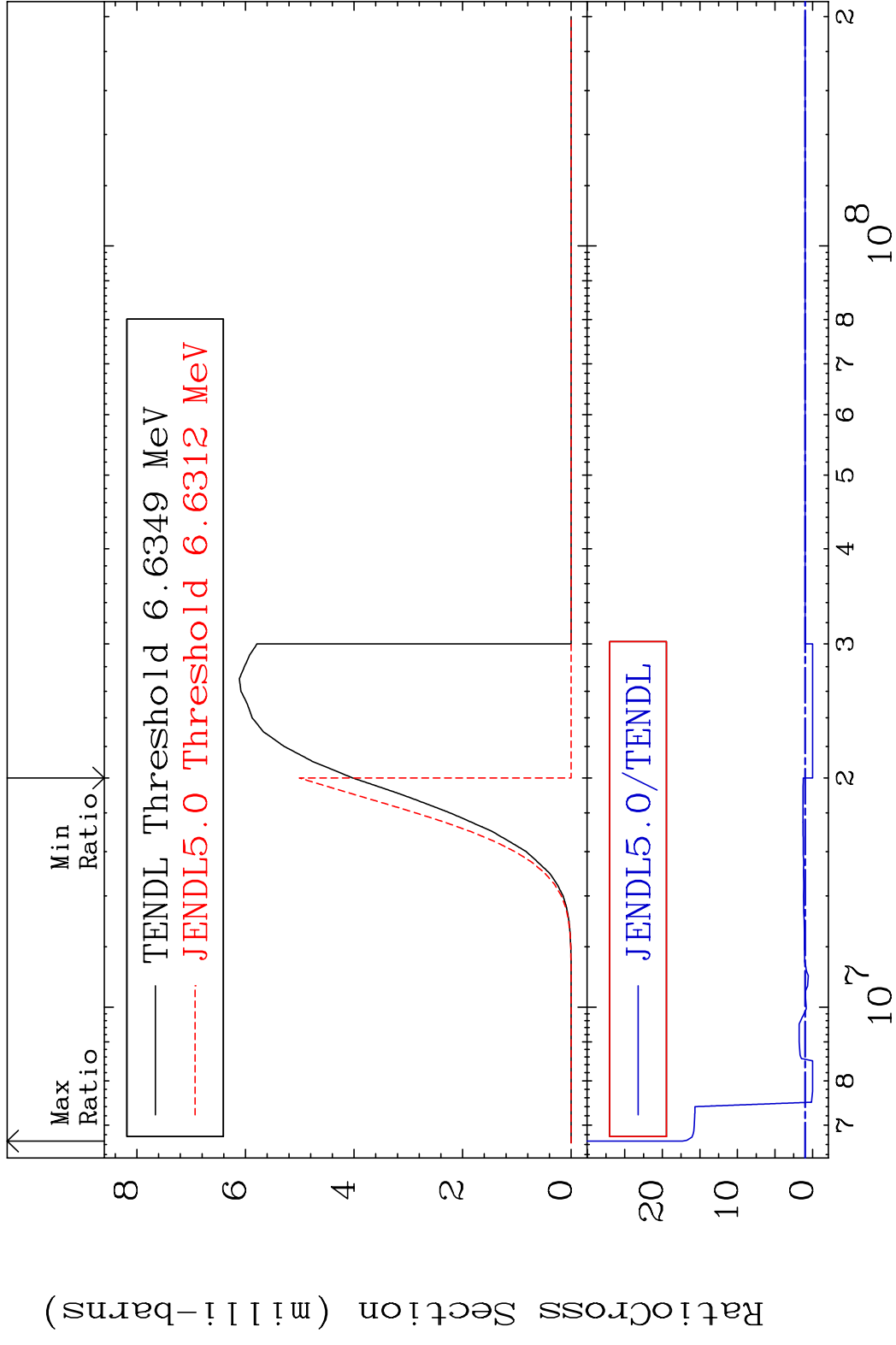


MAT 5061 (n, n') p:49-In-123g 50-Sn-124
 Radionuclide Production Cross Section Ratio

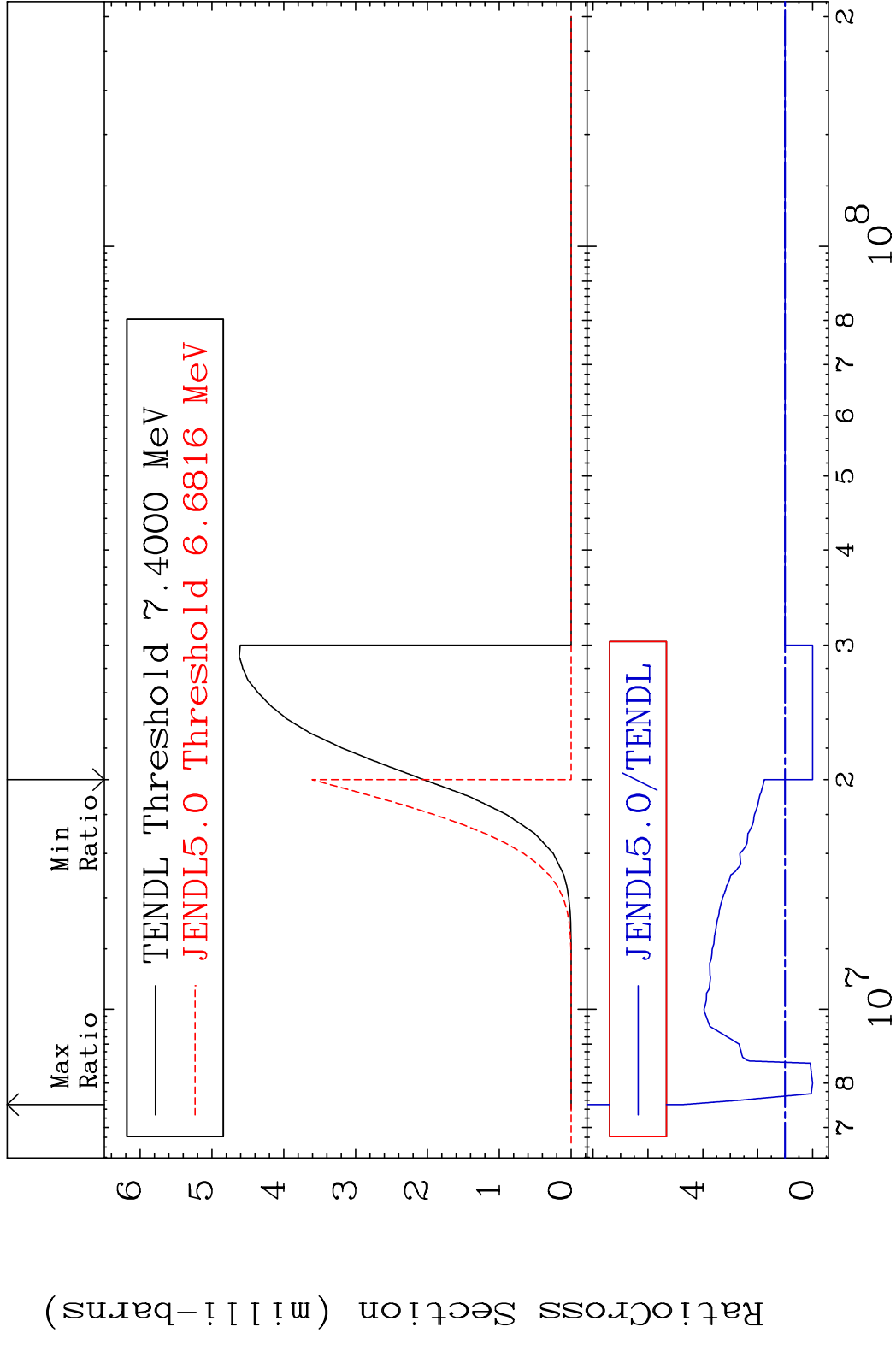




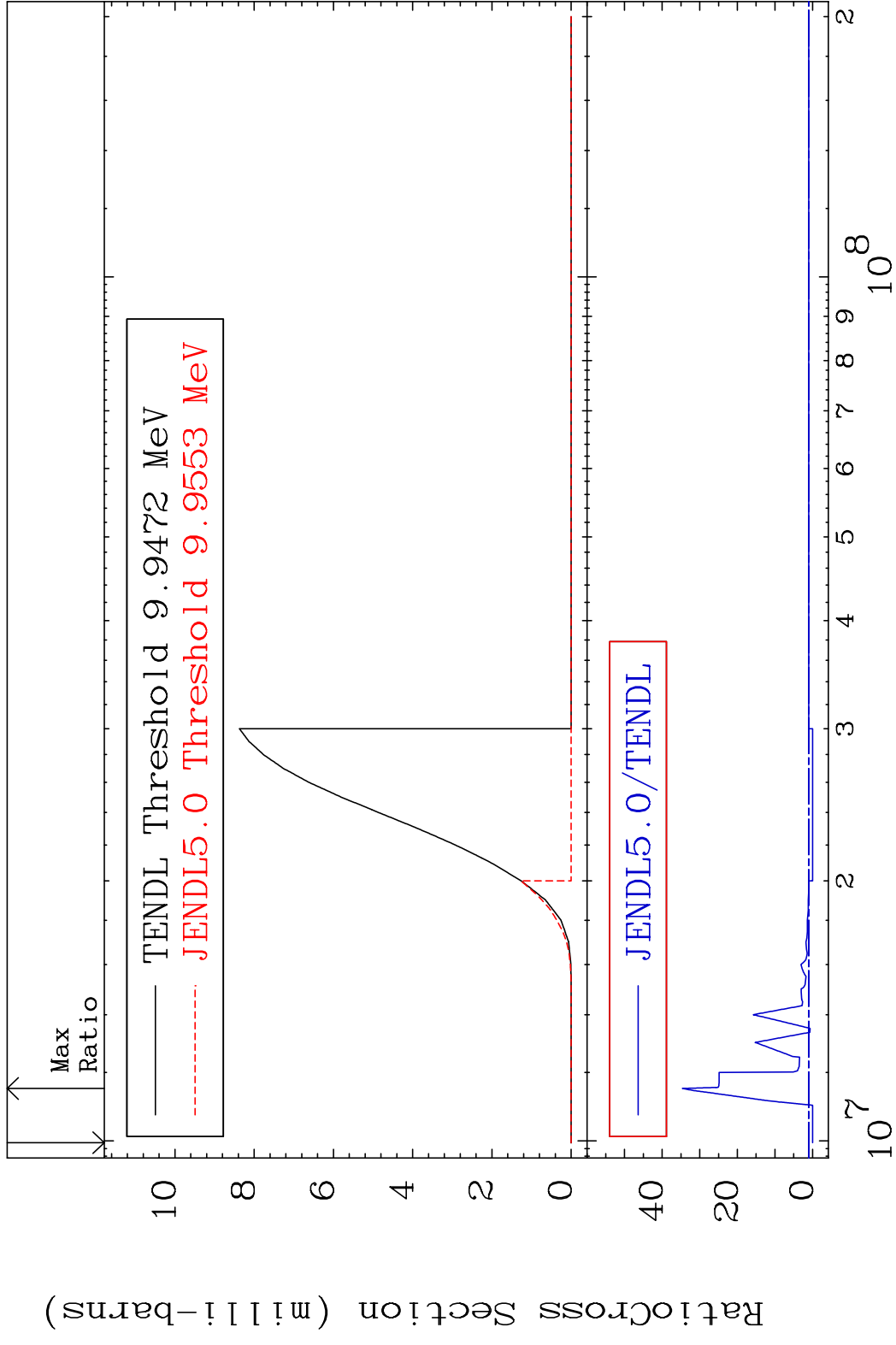
MAT 5061 (n,p):49-In-124g 50-Sn-124
 Radionuclide Production Cross Section 1633.0 dth 1633. %



MAT 5061 (n, p): 49-In-124m2 50-Sn-124
 Radionuclide Production Cross Section 180.0 dth 374.6 %

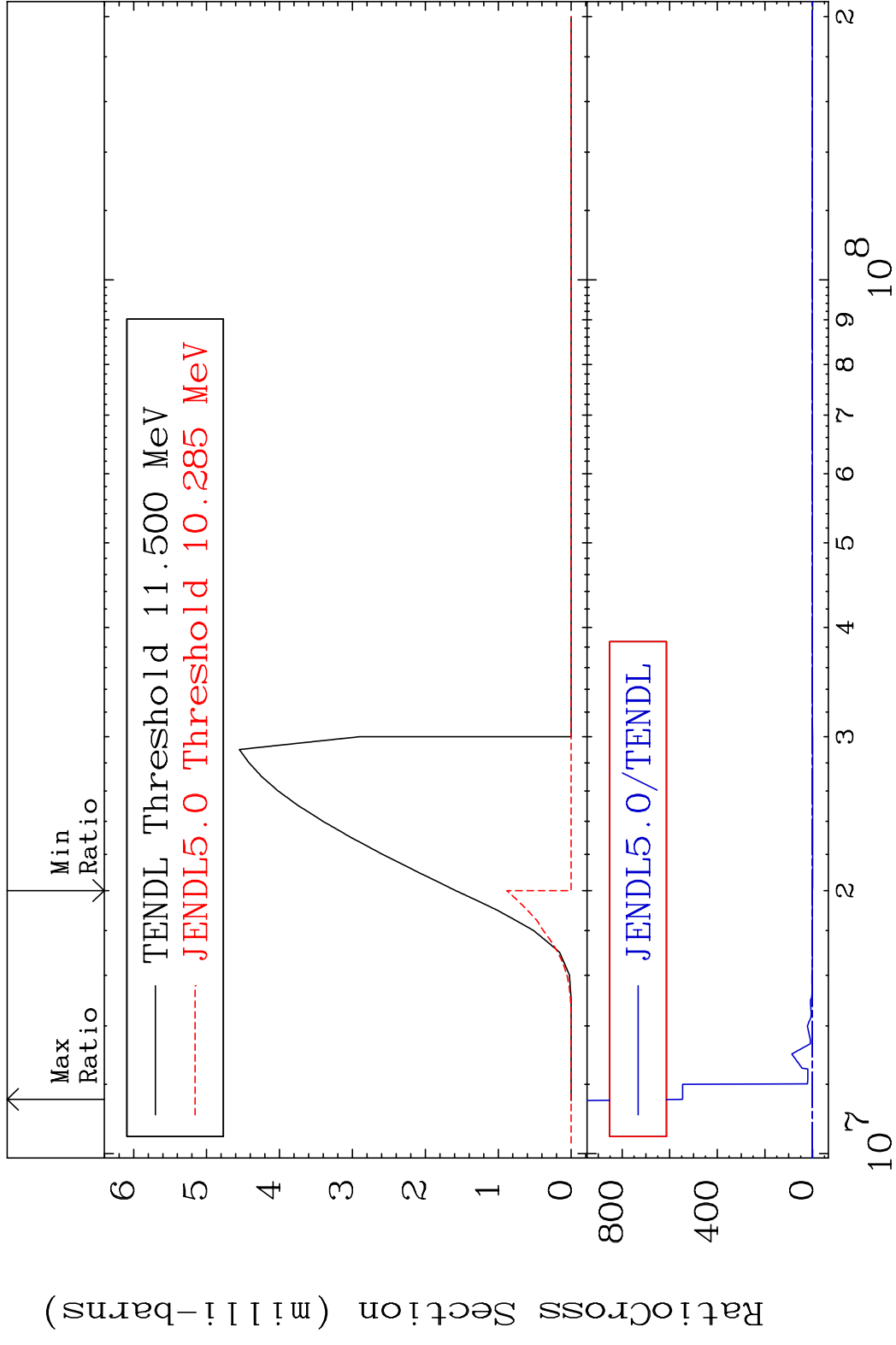


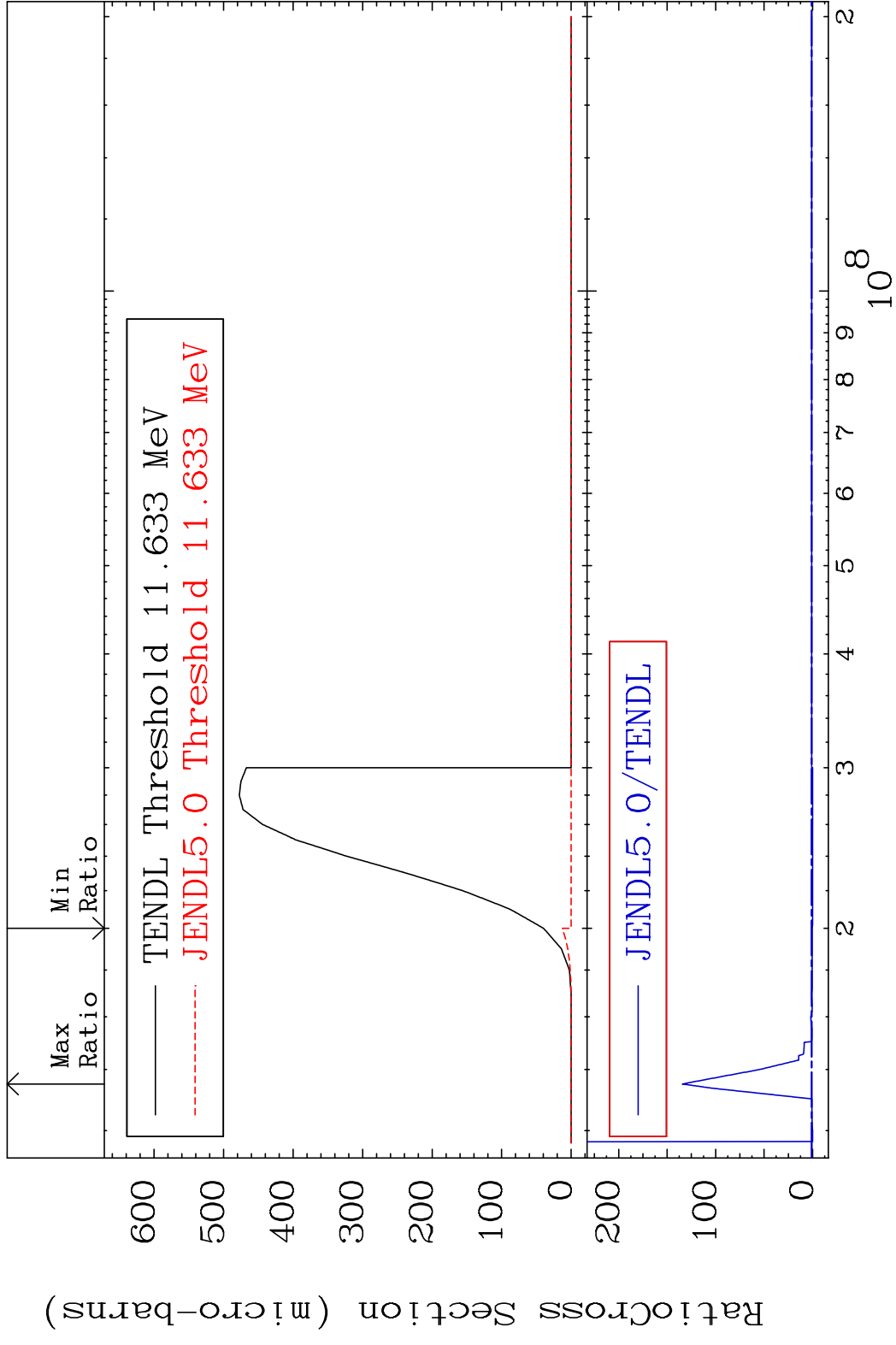
MAT 5061 (n,d):49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 3363. %

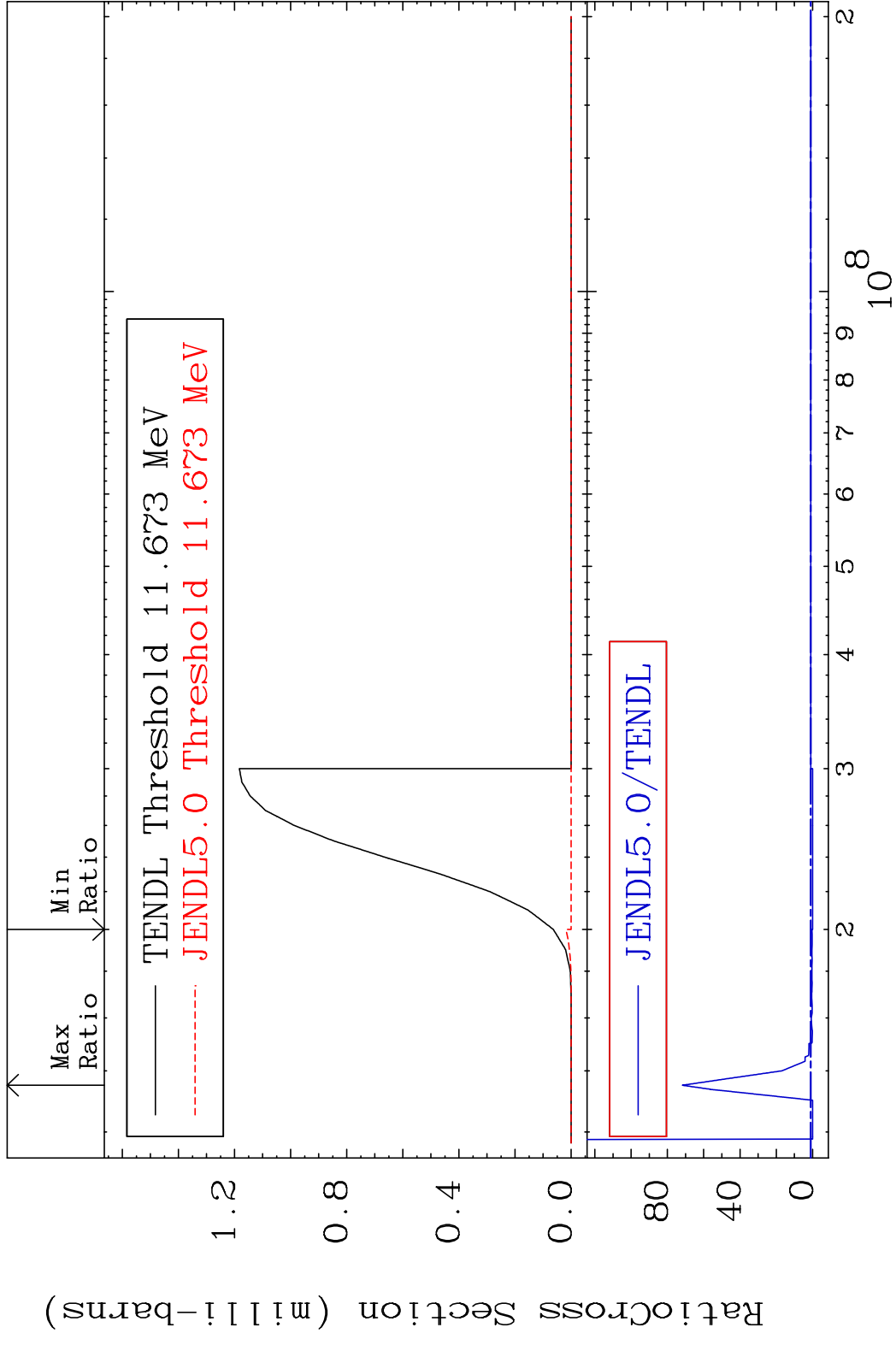


66 Incident Energy (eV) 50-Sn-124

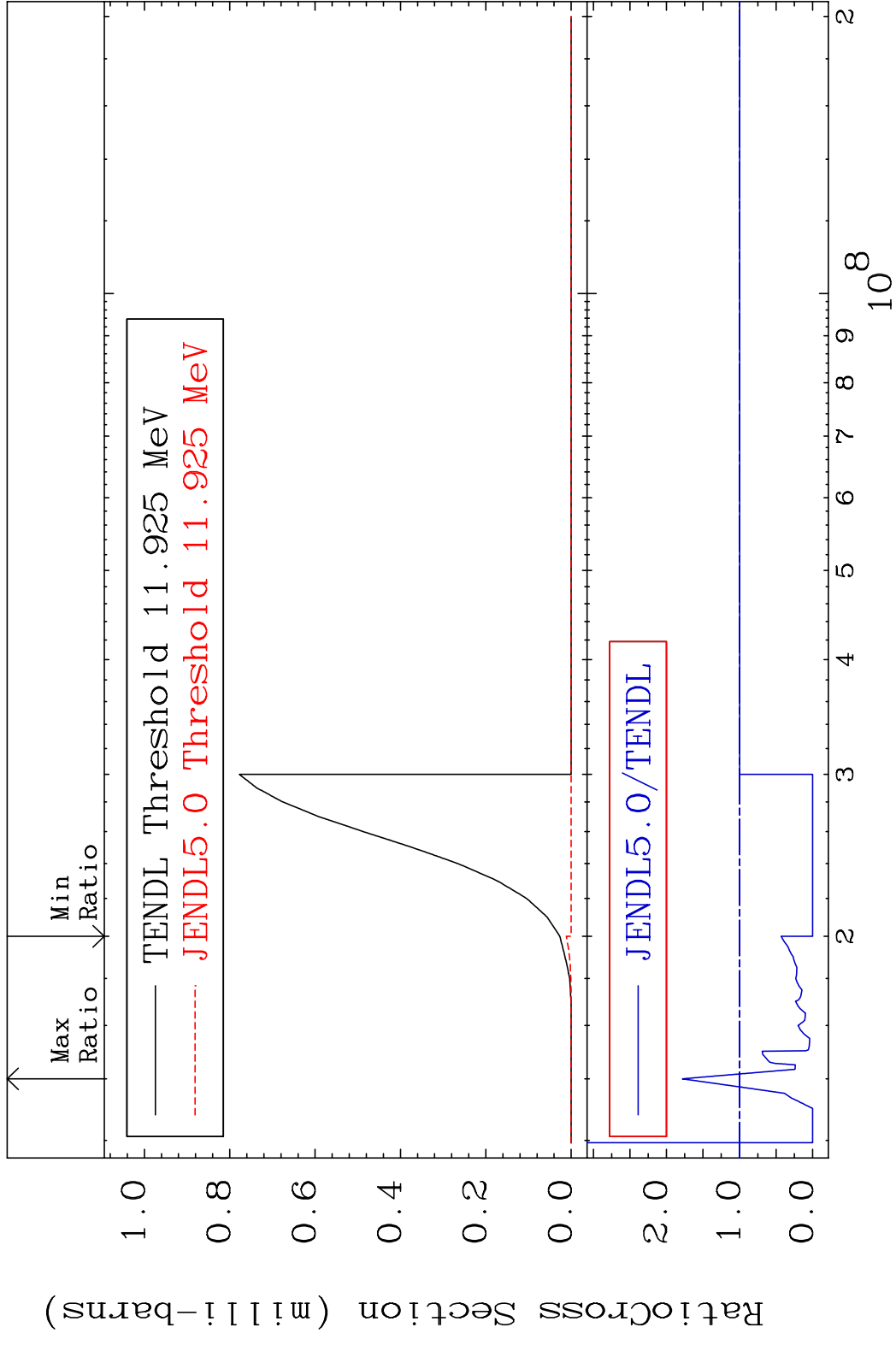
MAT 5061 (n, d): 49-In-123m1 50-Sn-124
 Radionuclide Production Cross Section to 9999. %



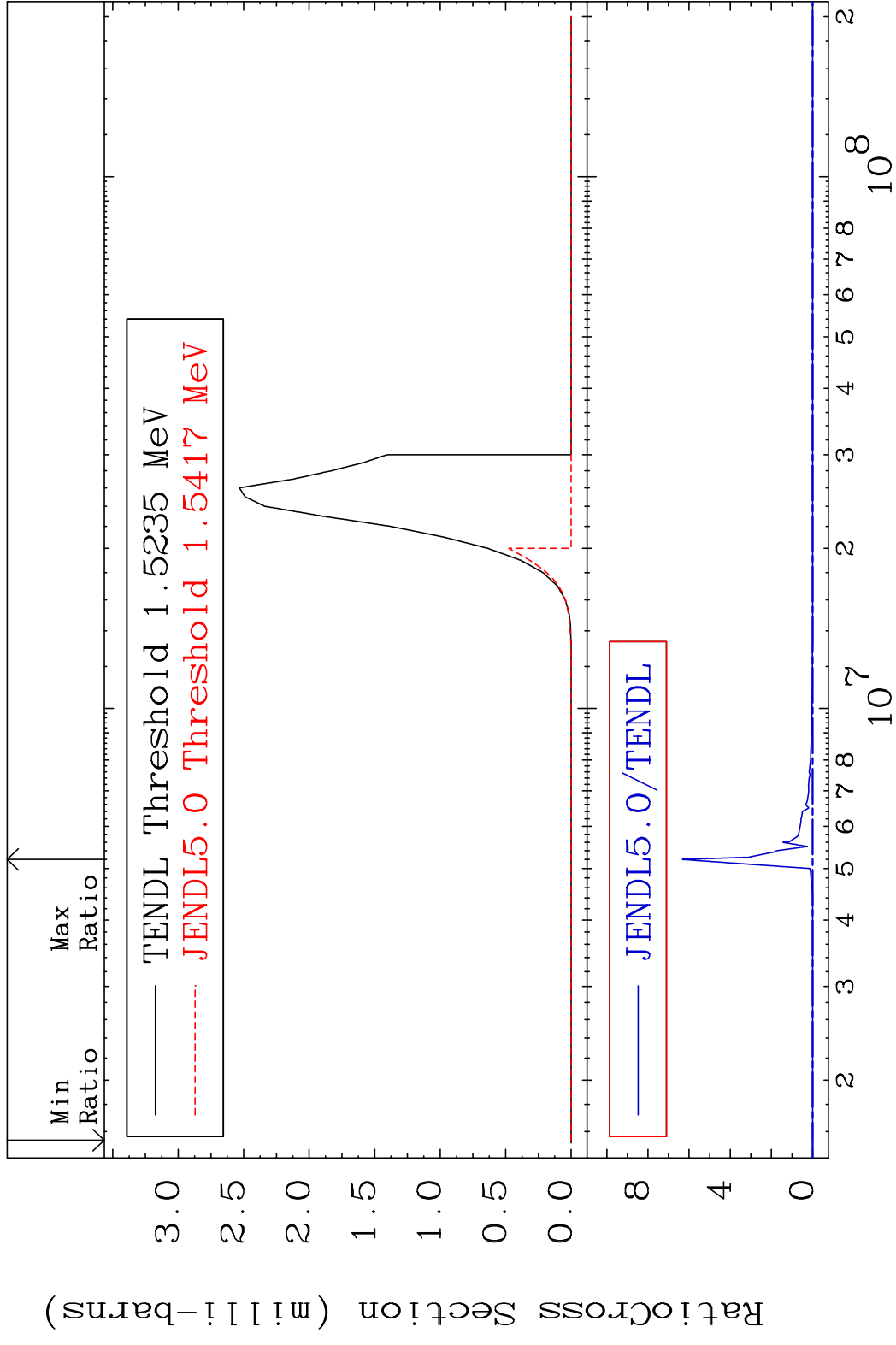


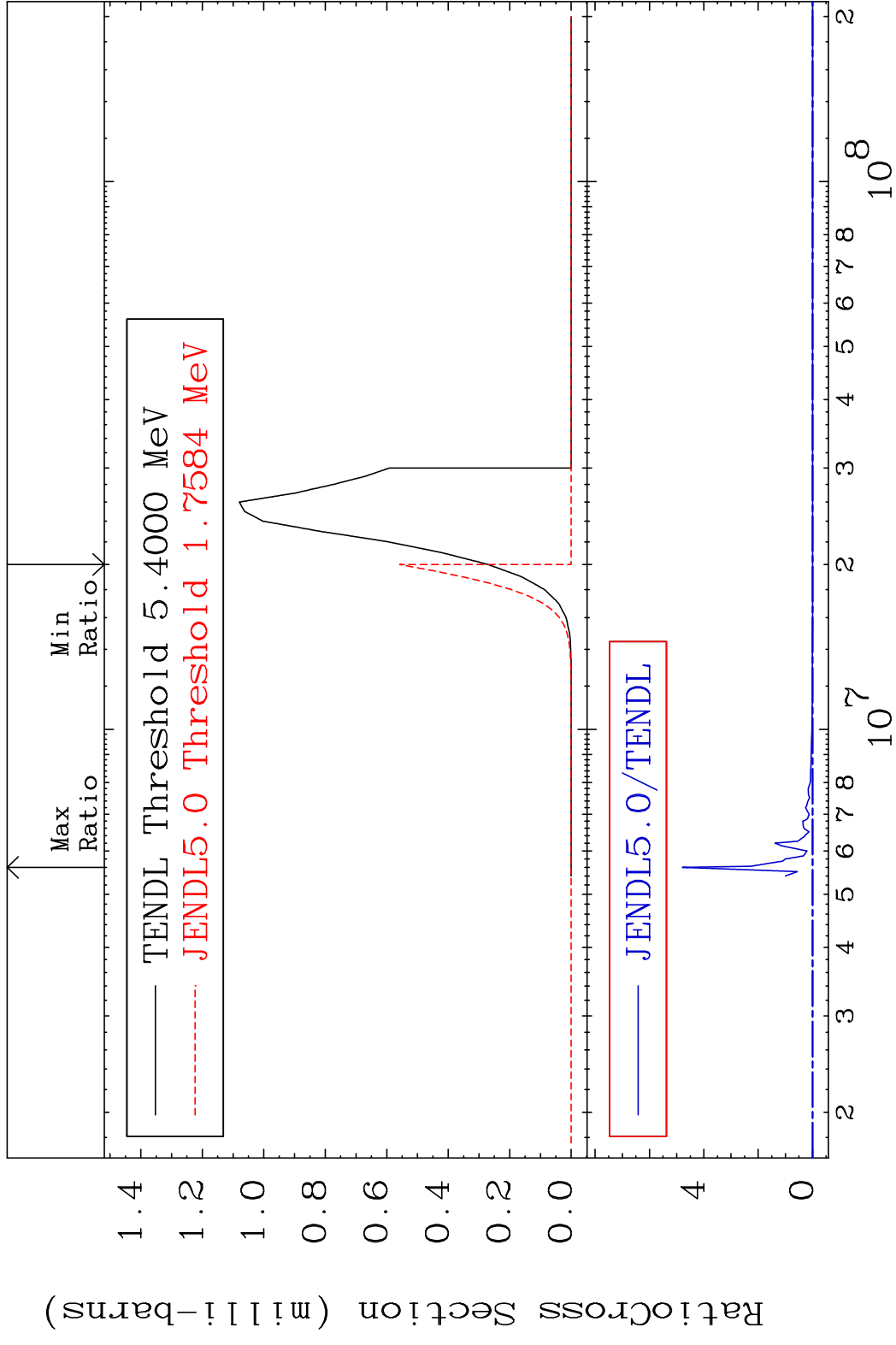


MAT 5061 (n, t): 49-In-122m5 50-Sn-124
 Radionuclide Production Cross Section 180.01 dth 78.29 %

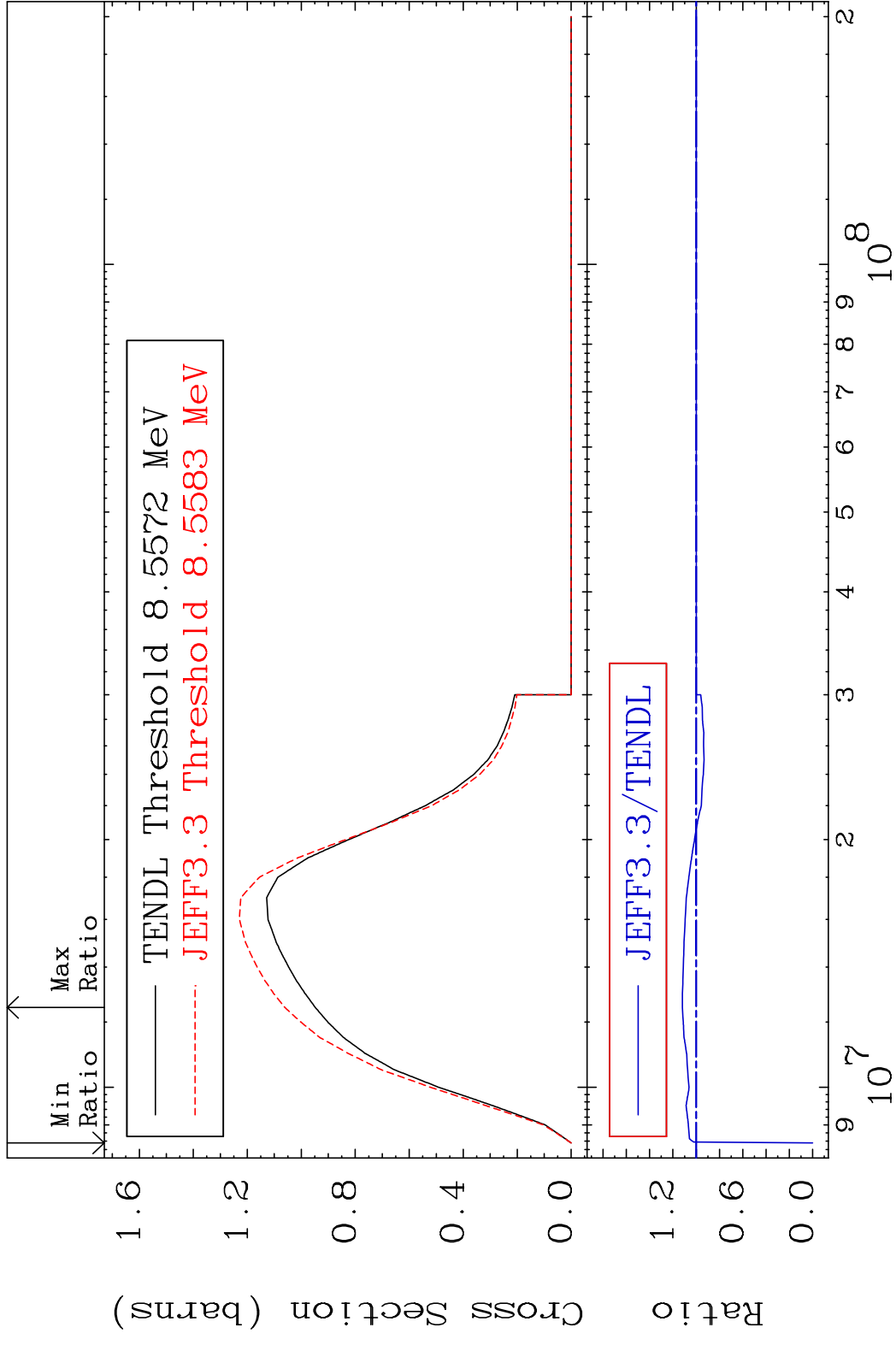


MAT 5061 (n,α):48-Cd-121g 50-Sn-124
 Radionuclide Production Cross Section 100.00 dth 9999. %

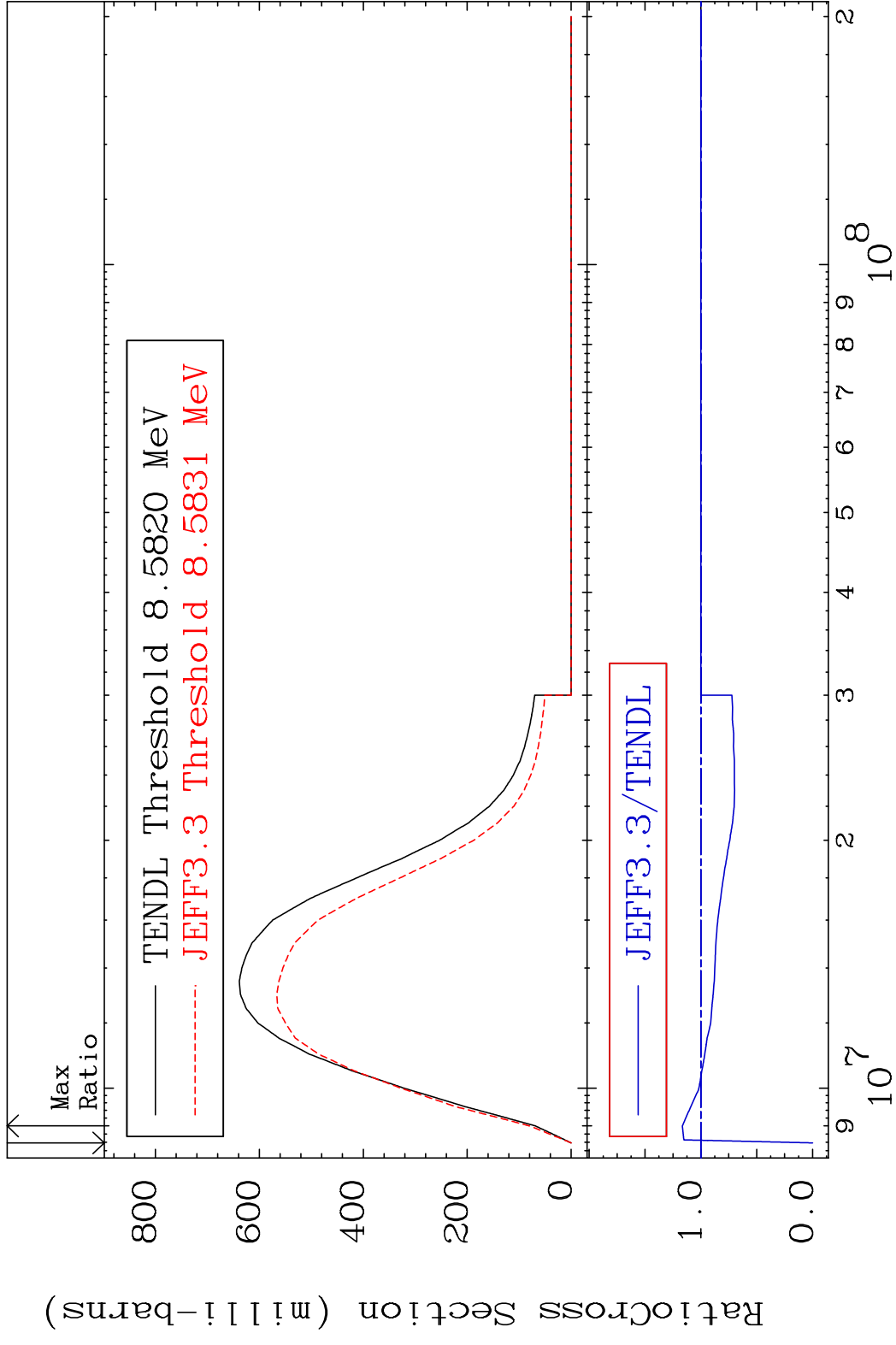




MAT 5061 (n,2n):50-Sn-123g 50-Sn-124
 Radionuclide Production Cross Section 18.00 dth 11.90 %

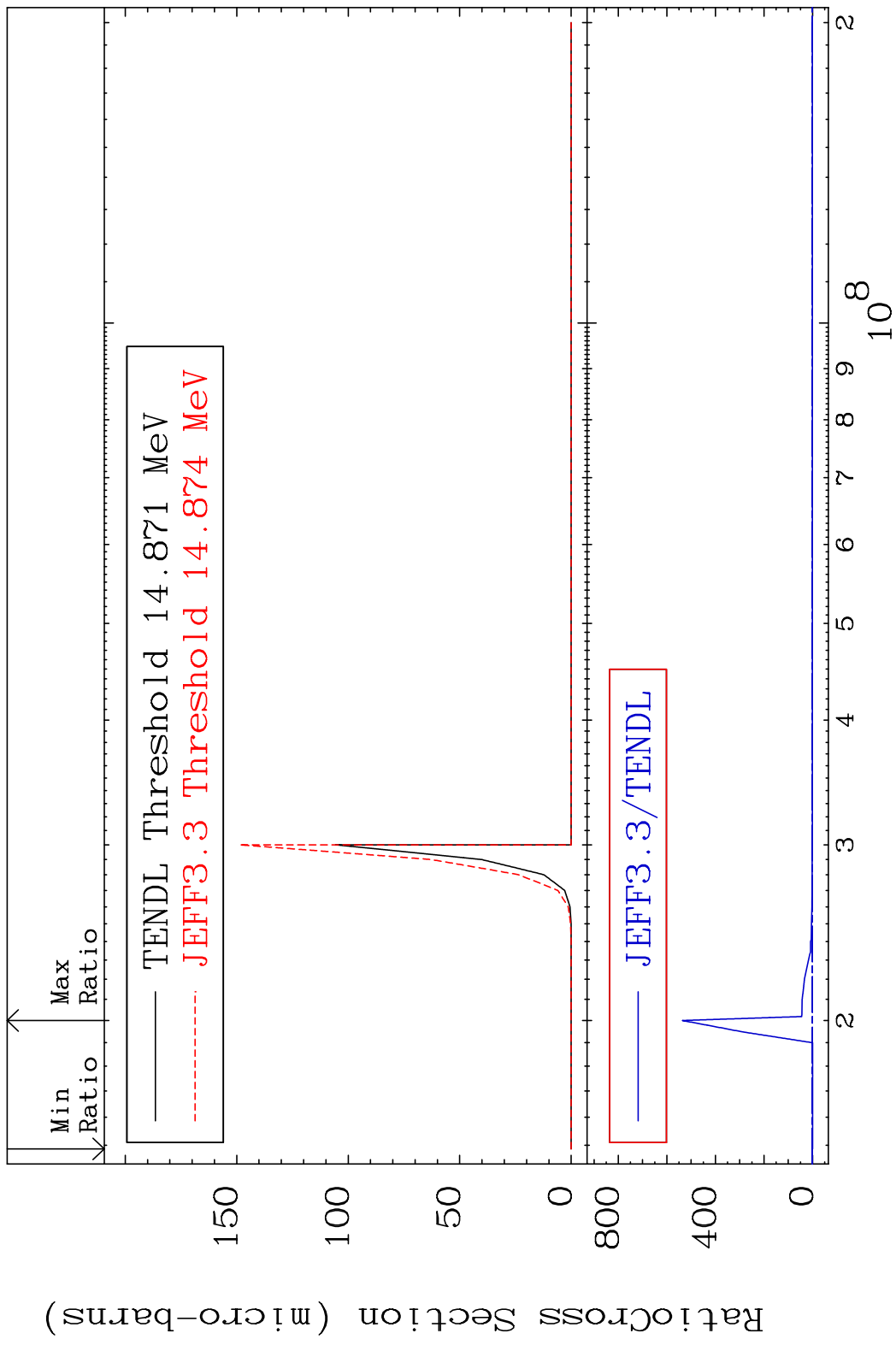


MAT 5061 (n,2n):50-Sn-123m1 50-Sn-124
 Radionuclide Production Cross Section 180.01 dpo 16.58 %

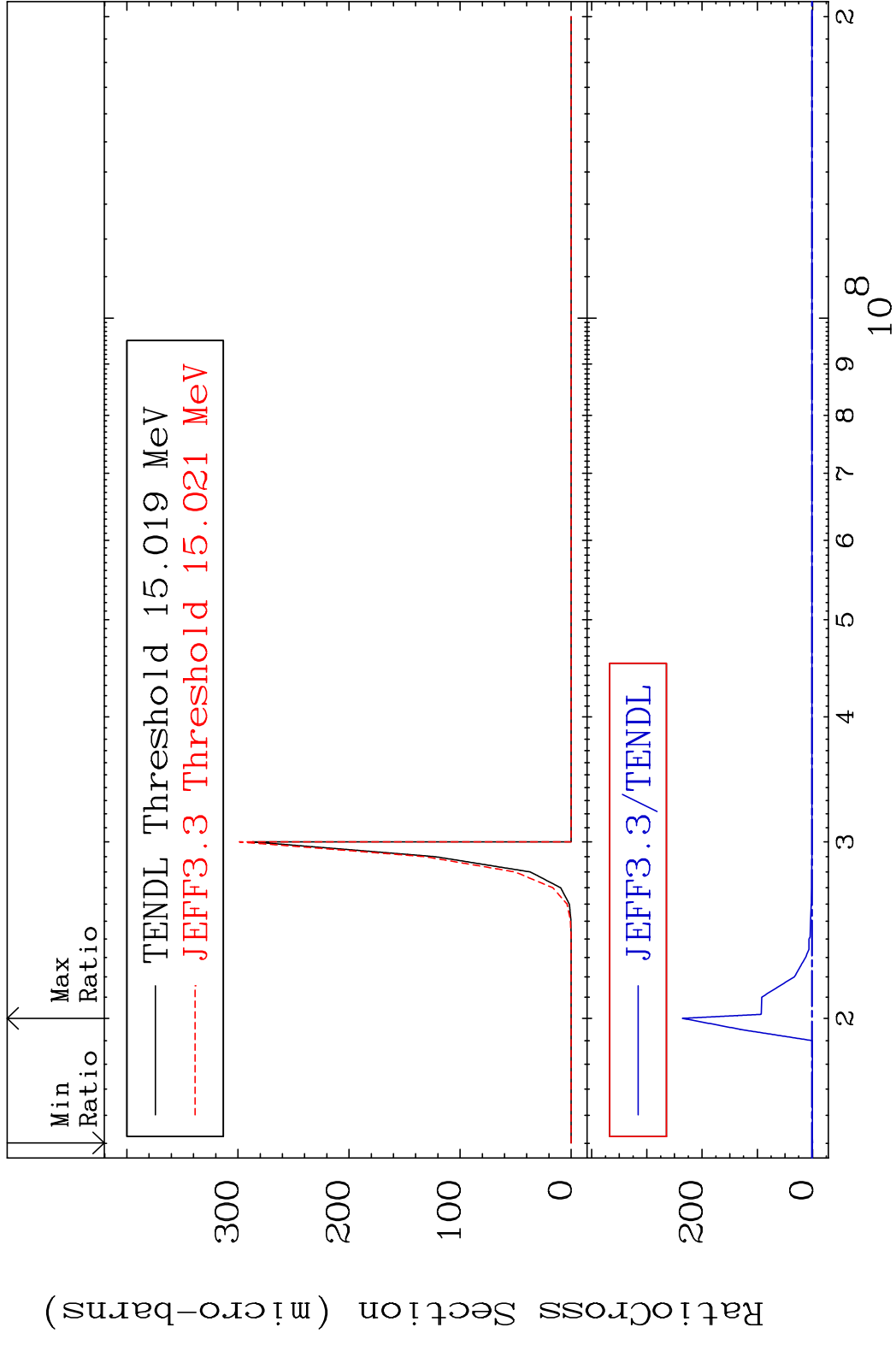


74 Incident Energy (eV) 50-Sn-124

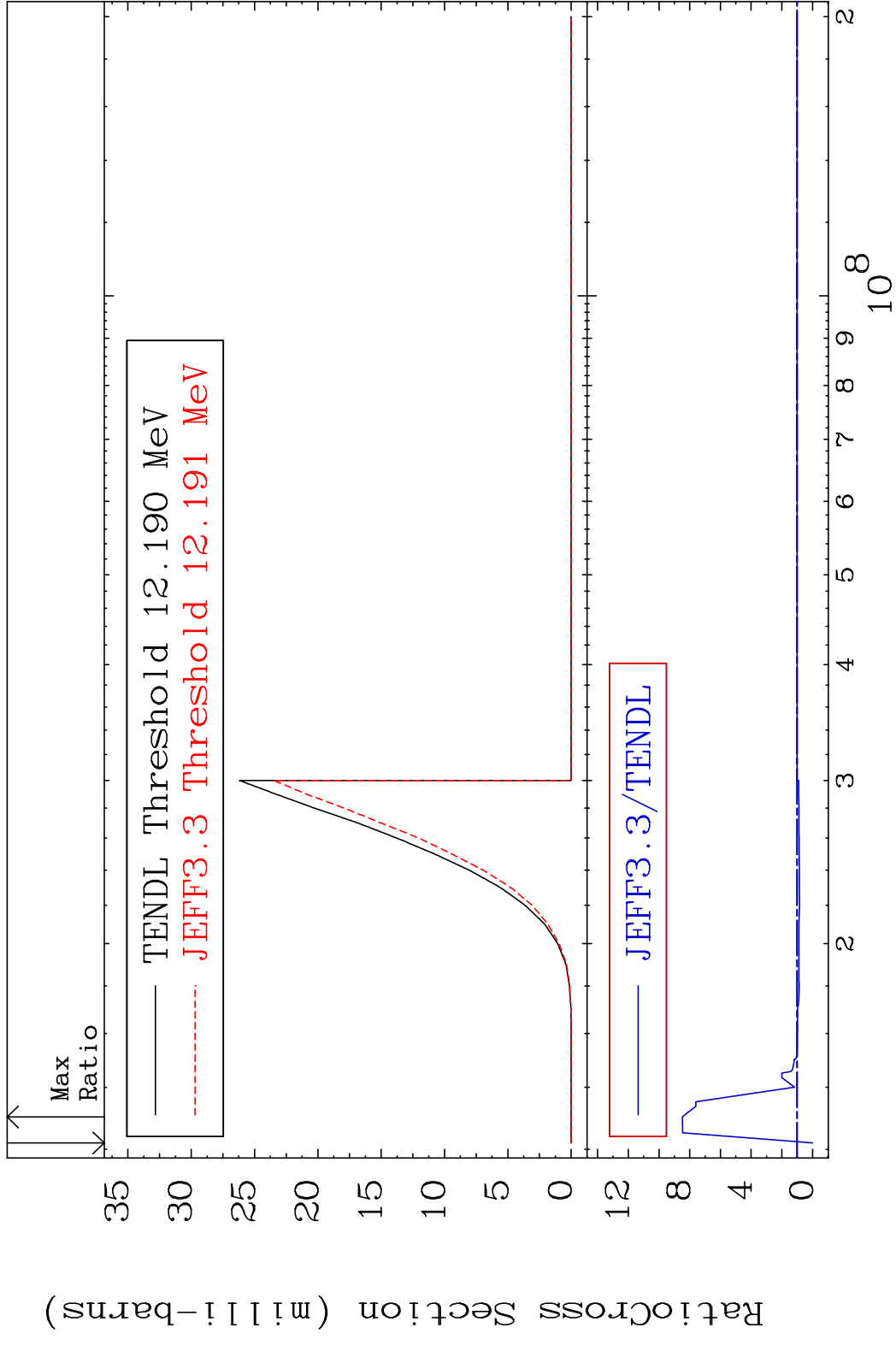
MAT 5061 (n,2n) α :48-Cd-119g 50-Sn-124
 Radionuclide Production Cross Section (%)

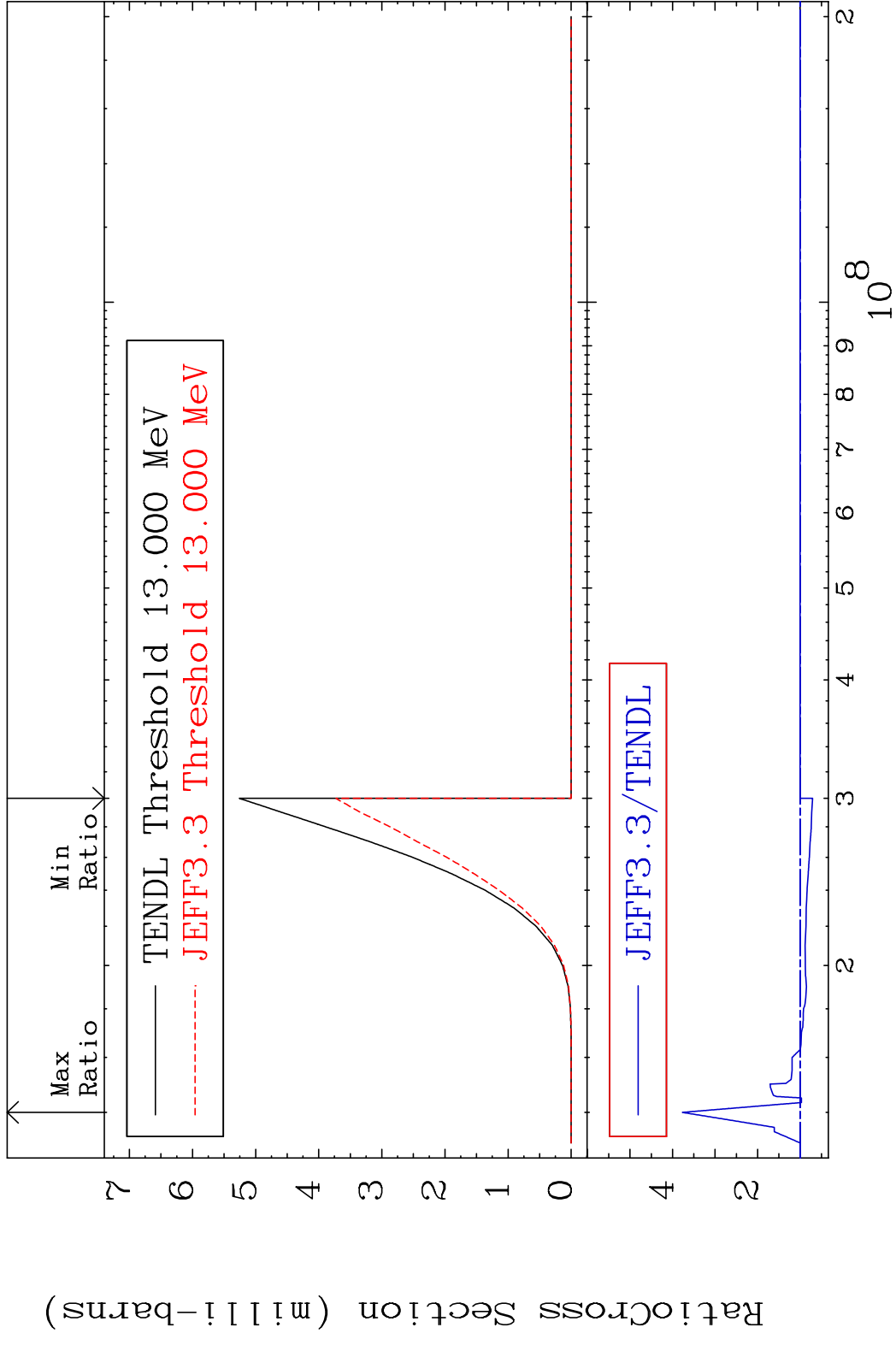


MAT 5061 (n,2n) α :48-Cd-119m2 50-Sn-124
 Radionuclide Production Cross Section (%) 100.00 to 9999.00

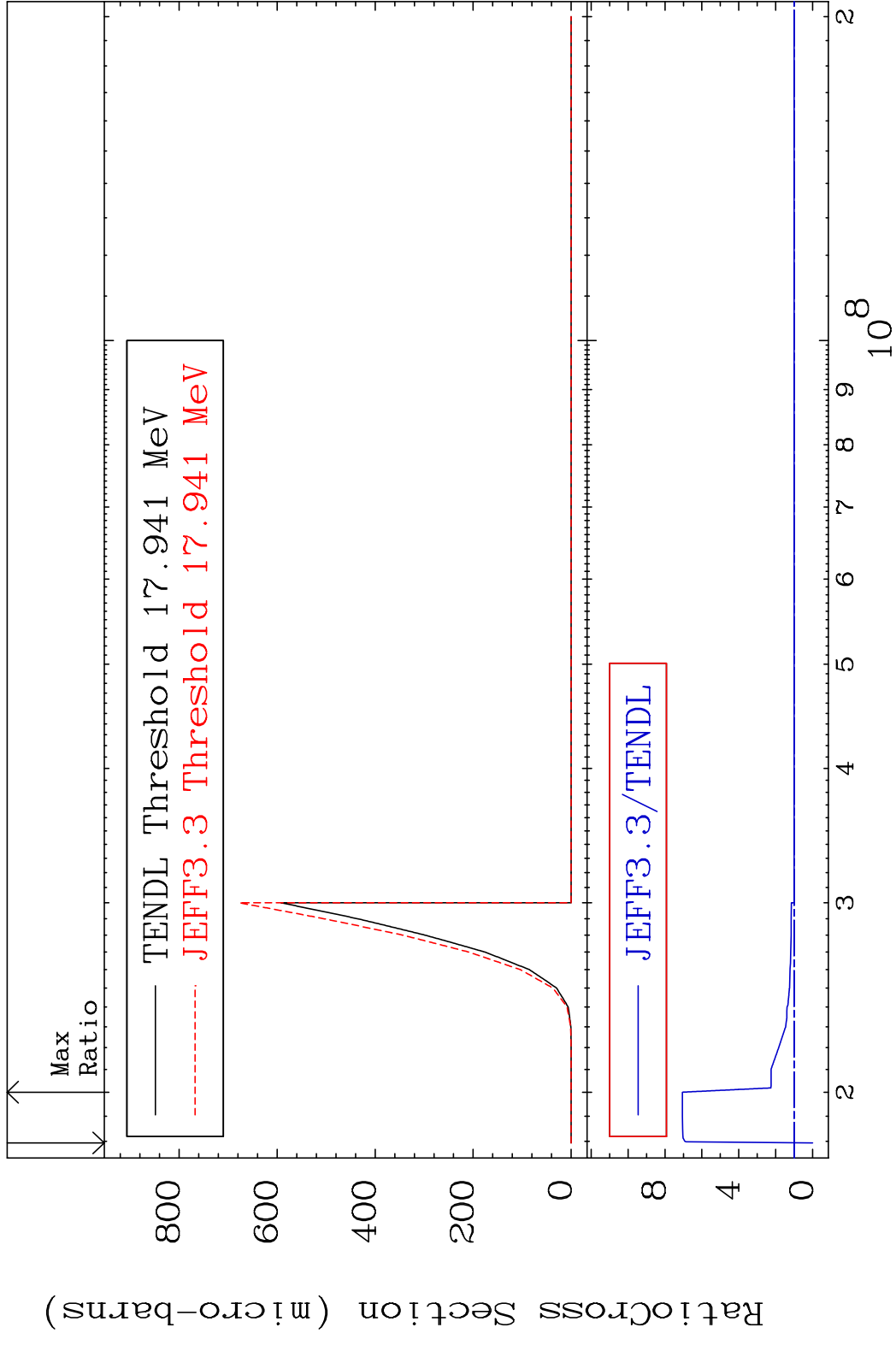


MAT 5061 (n, n') p:49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 180.01 dth 748.1 %

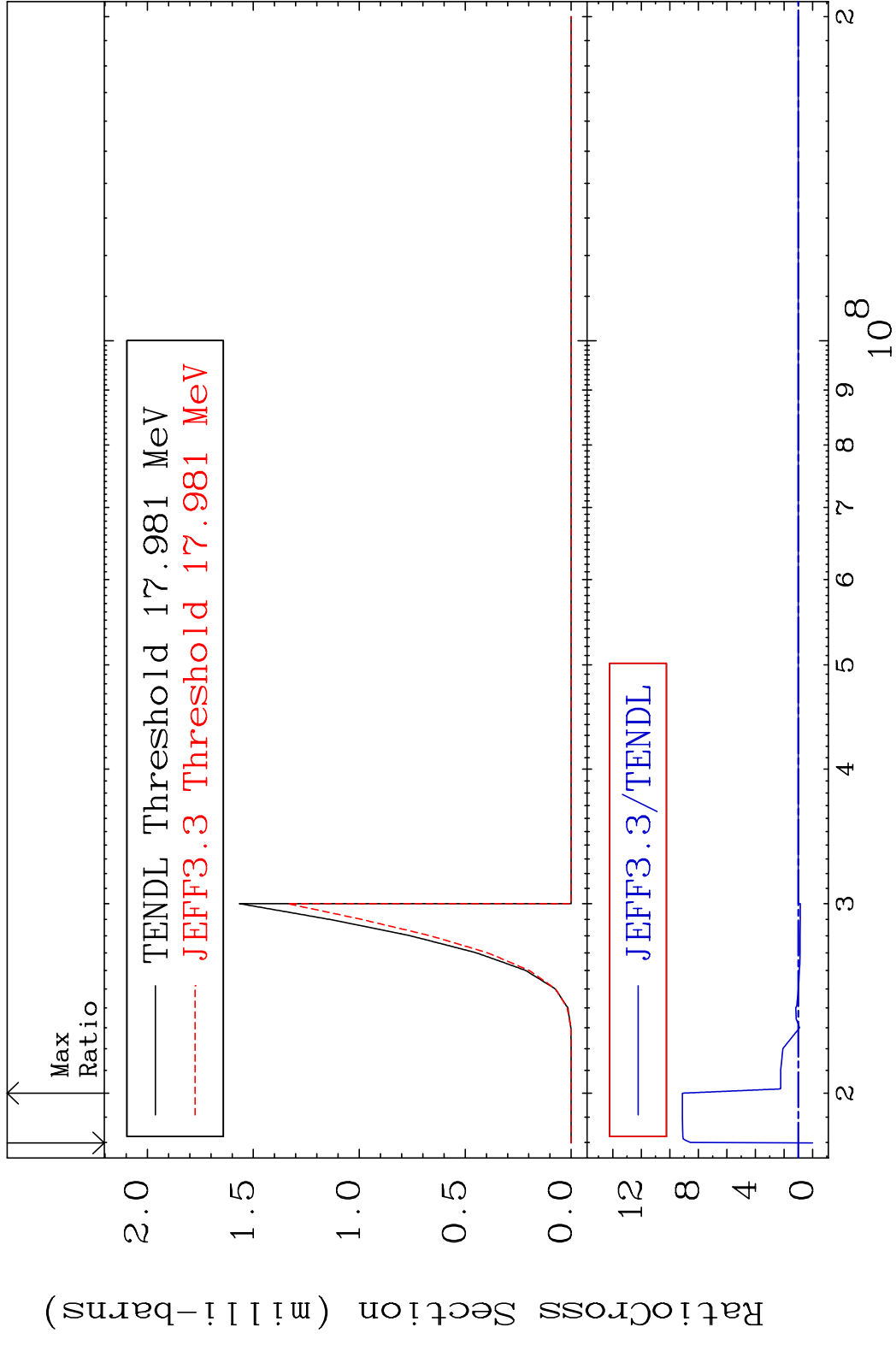


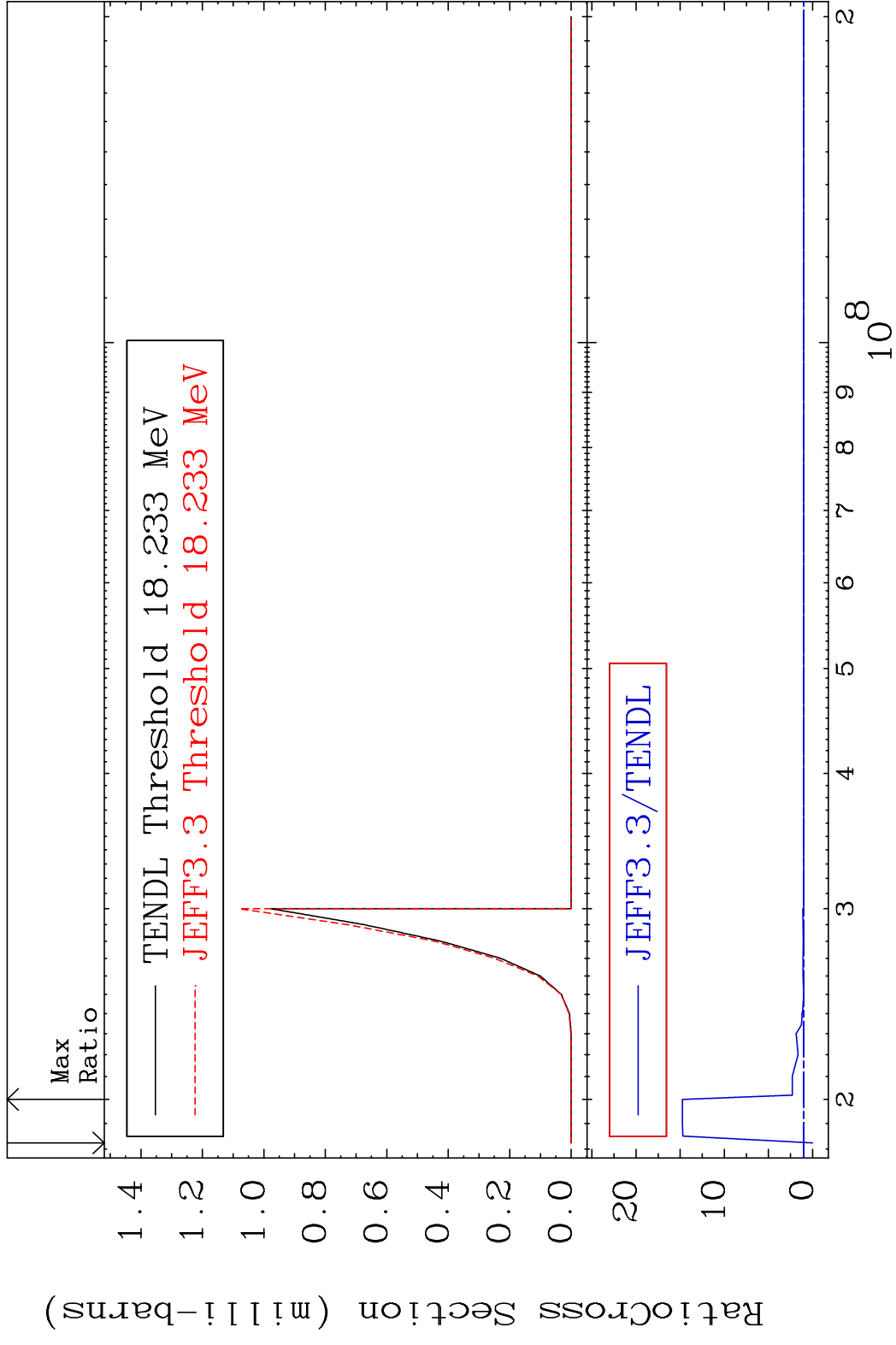


MAT 5061 (n, n') d:49-In-122g 50-Sn-124
 Radionuclide Production Cross Section 180.0 d to 605.9 %

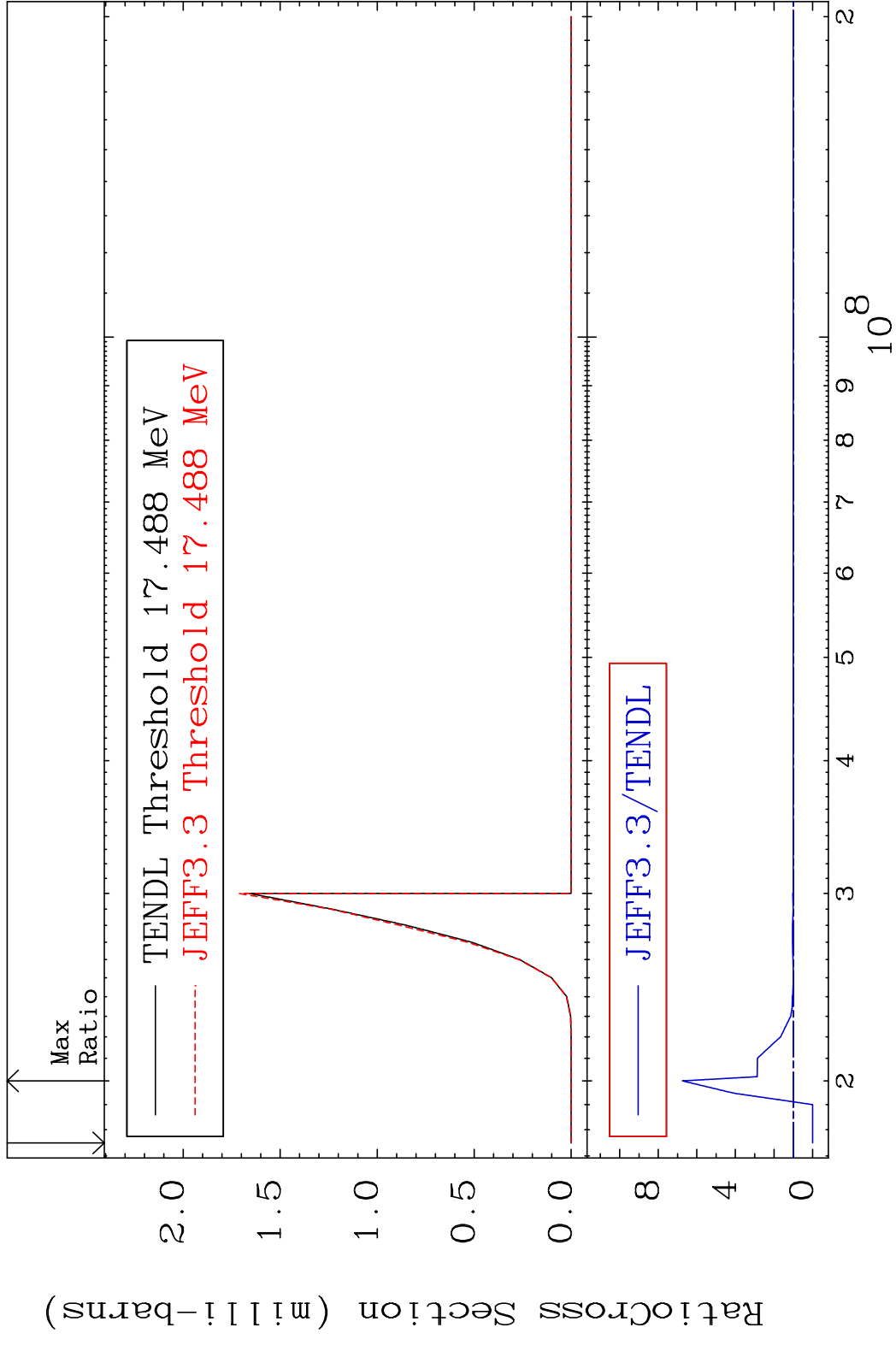


MAT 5061 (n, n') d:49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section 180.01 dth 812.4 %

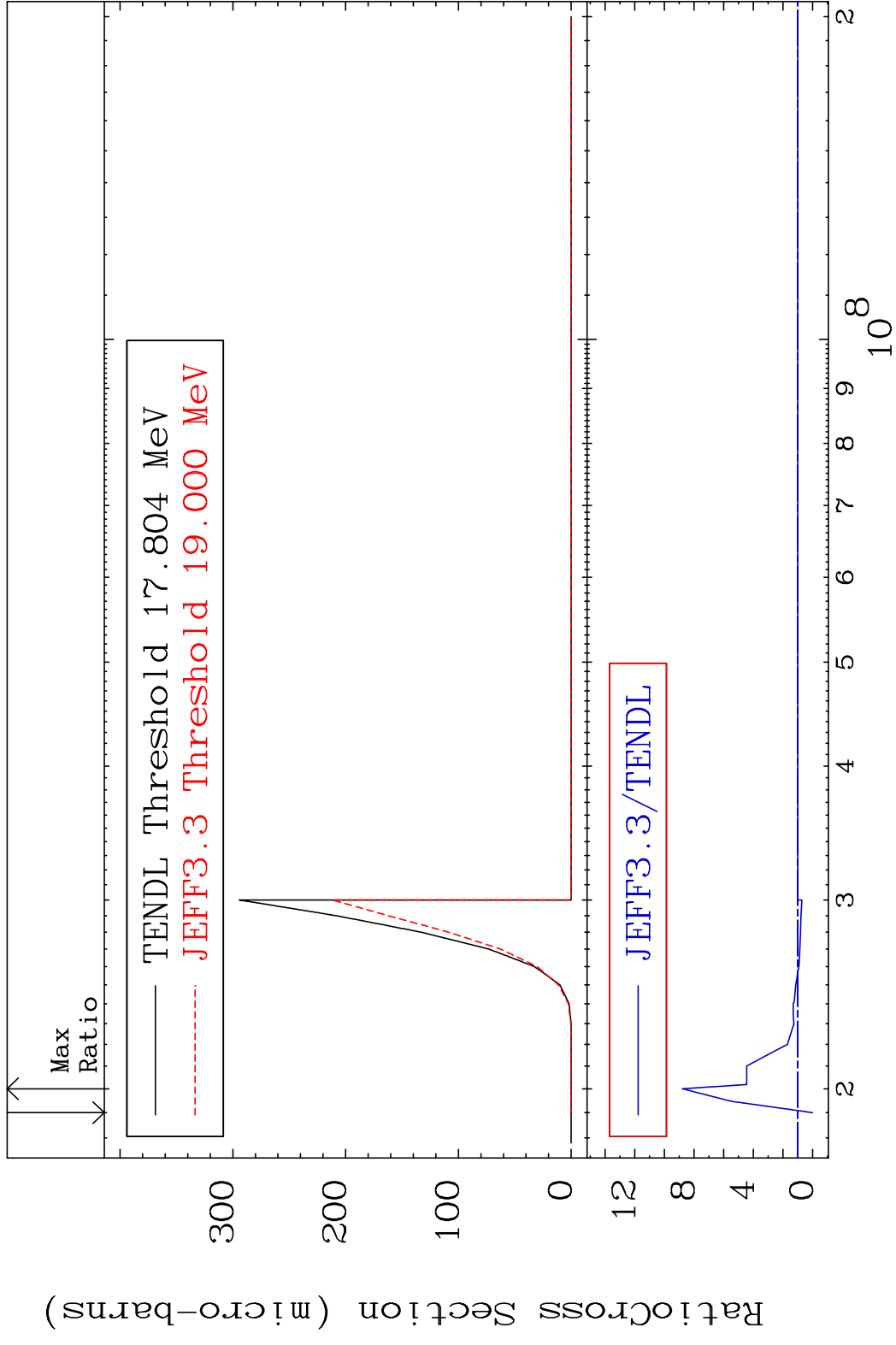




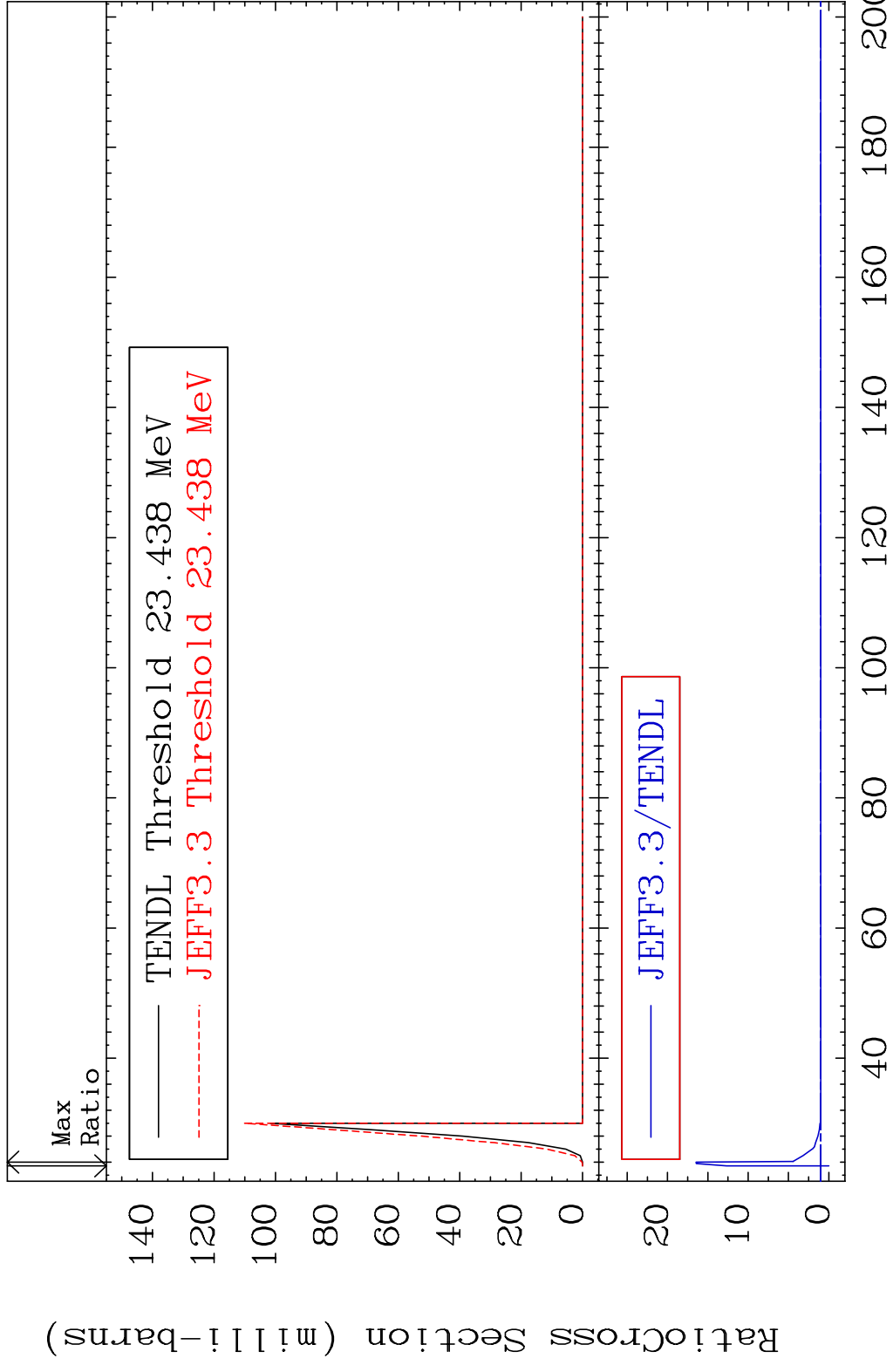
MAT 5061 (n, n') t:49-In-121g 50-Sn-124
 Radionuclide Production Cross Section 1800 d to 575.0 %



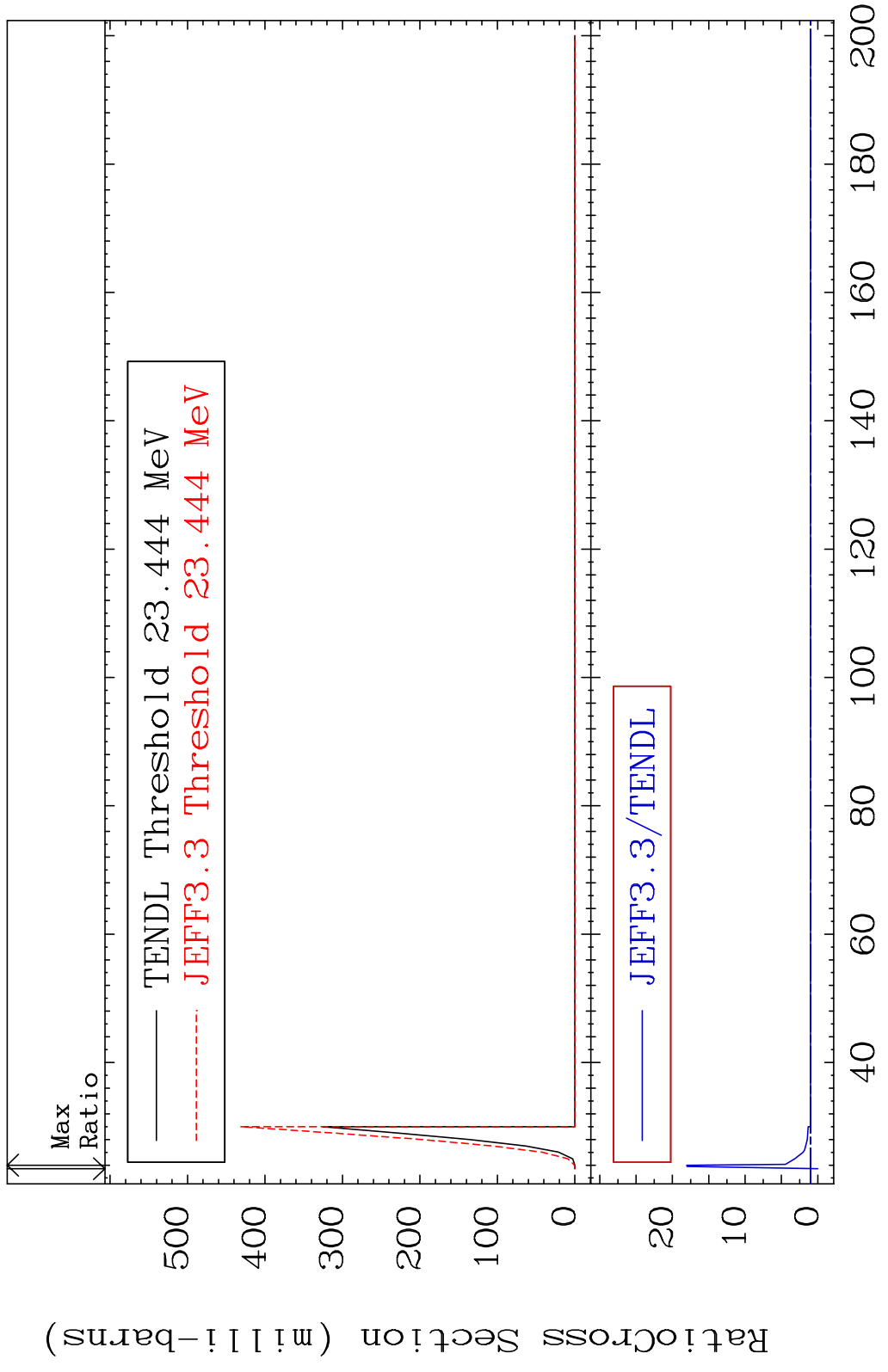
MAT 5061 (n, n') t:49-In-121m1 50-Sn-124
 Radionuclide Production Cross Section 180.0 dth 778.9 %

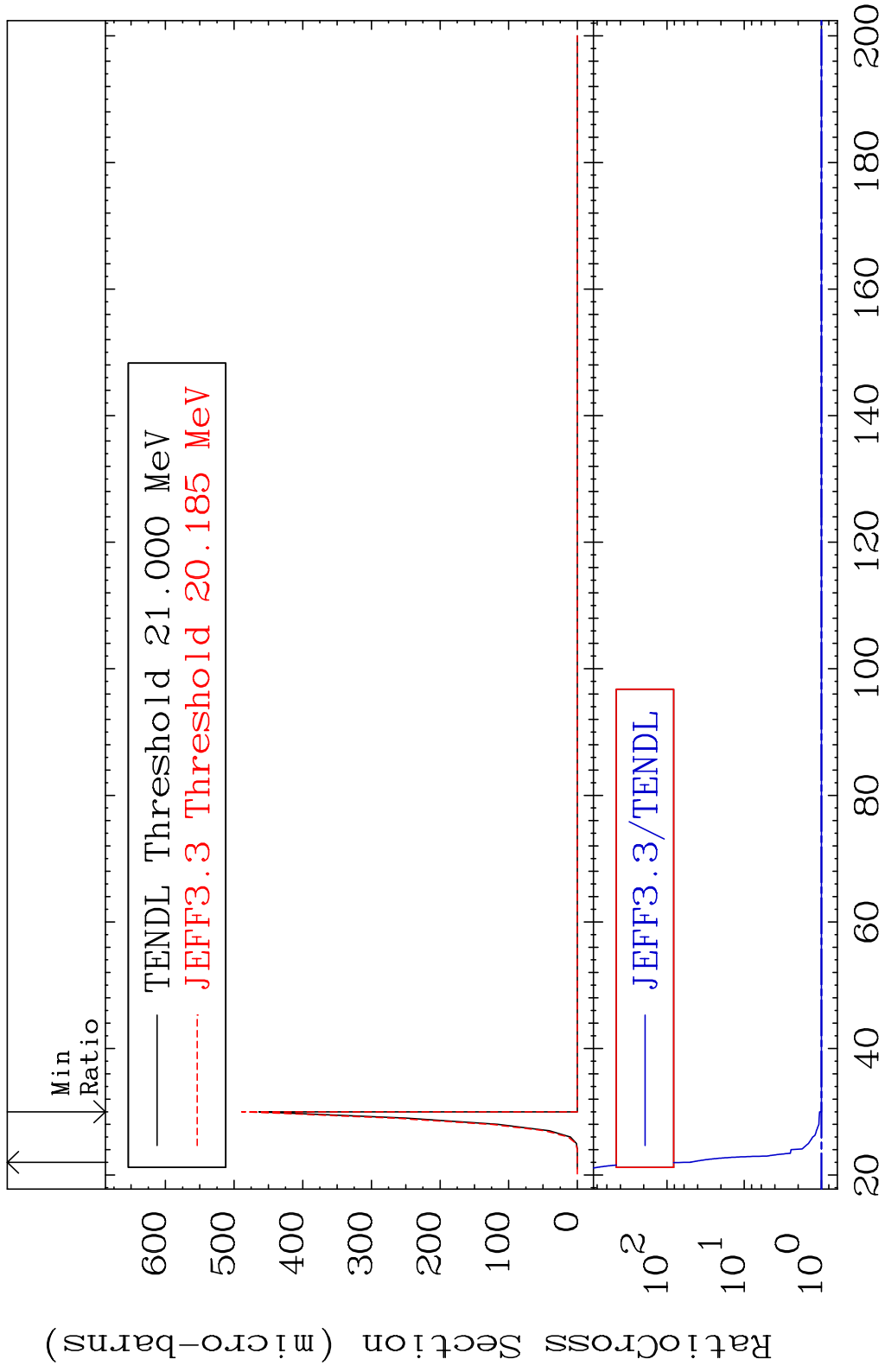


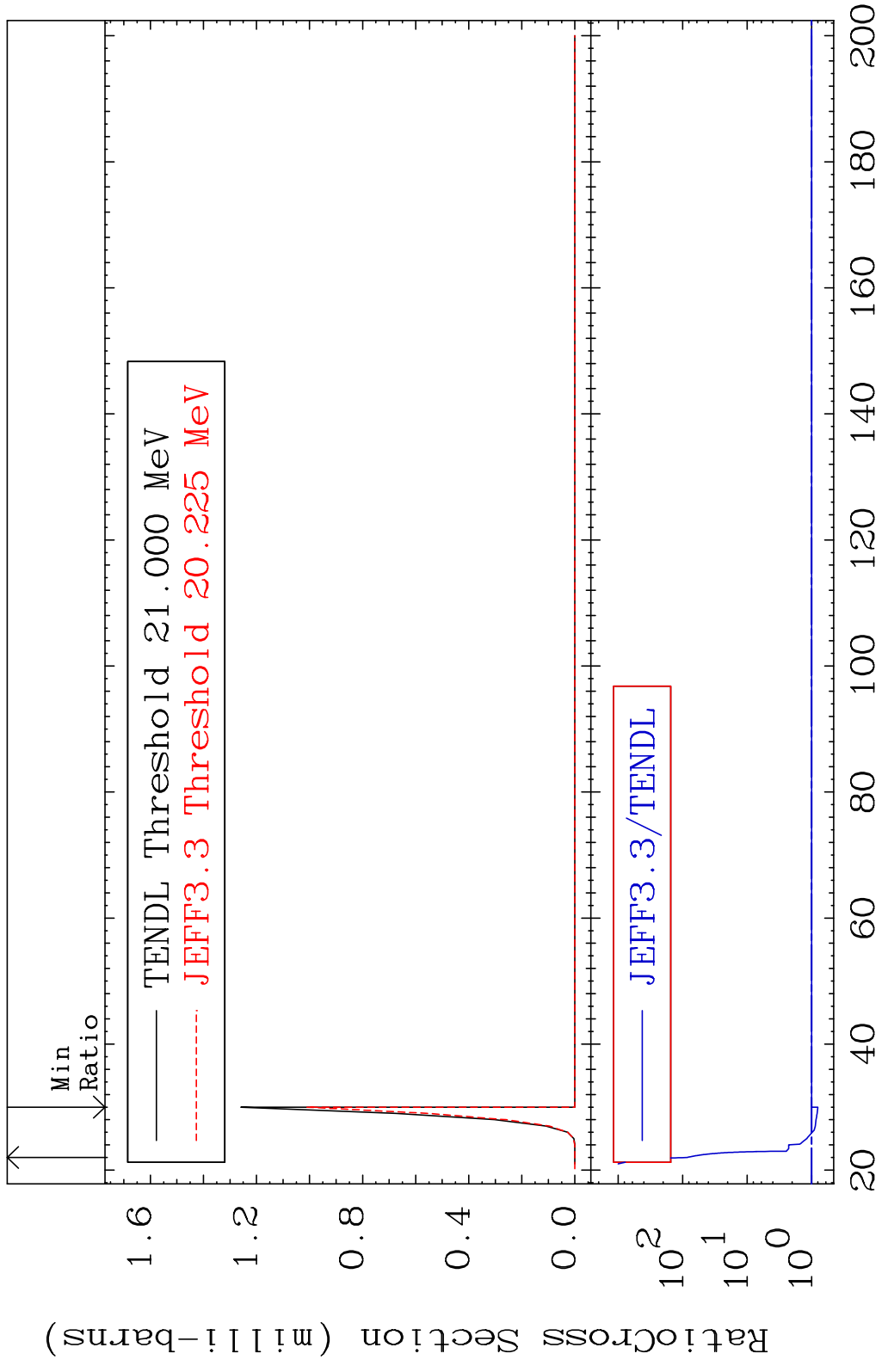
MAT 5061 (n,4n):50-Sn-121g 50-Sn-124
 Radionuclide Production Cross Section 1547. %

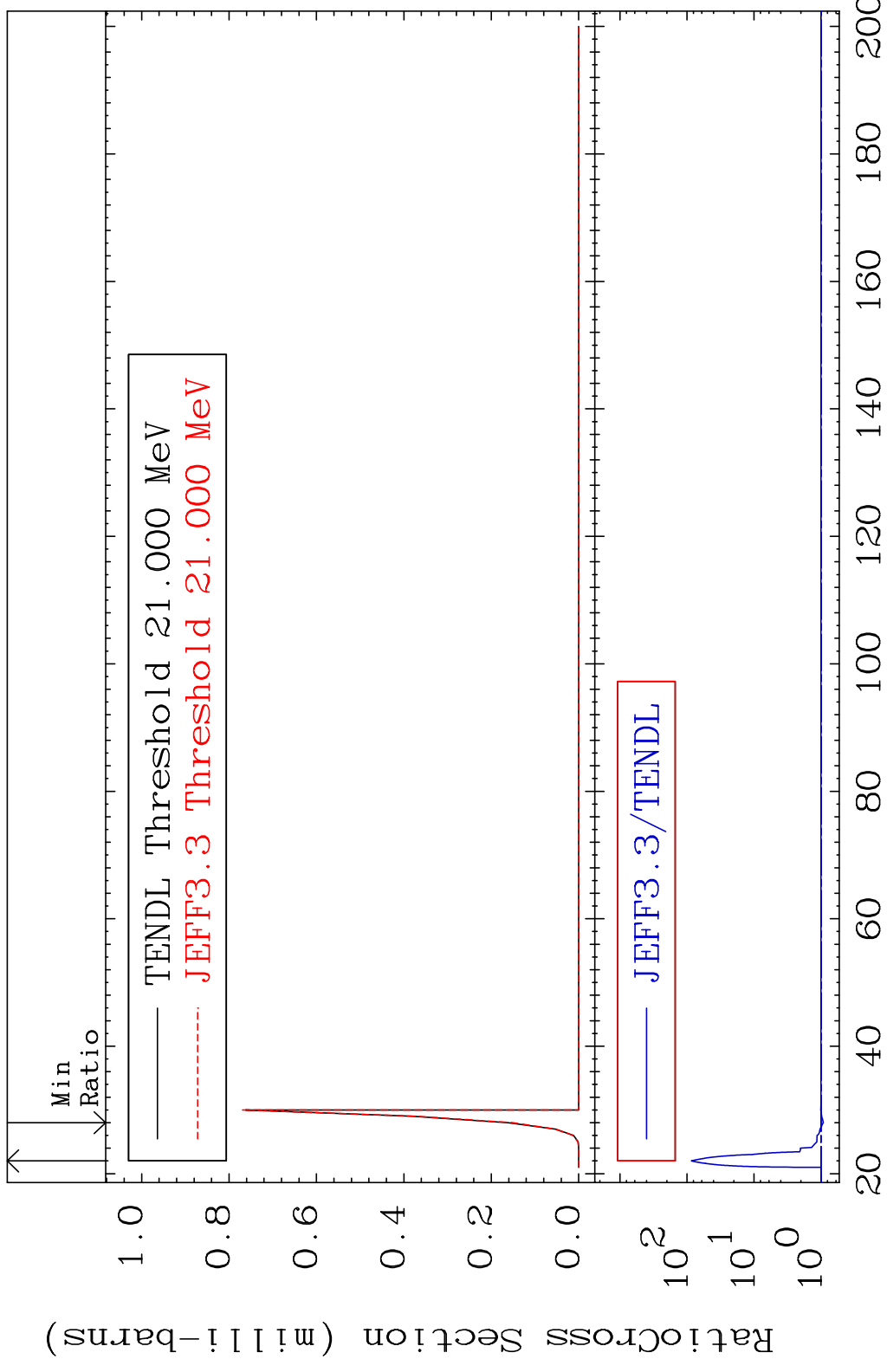


MAT 5061 (n, 4n):50-Sn-121m1 50-Sn-124
 Radionuclide Production Cross Section 1800.0 dth 1703. %

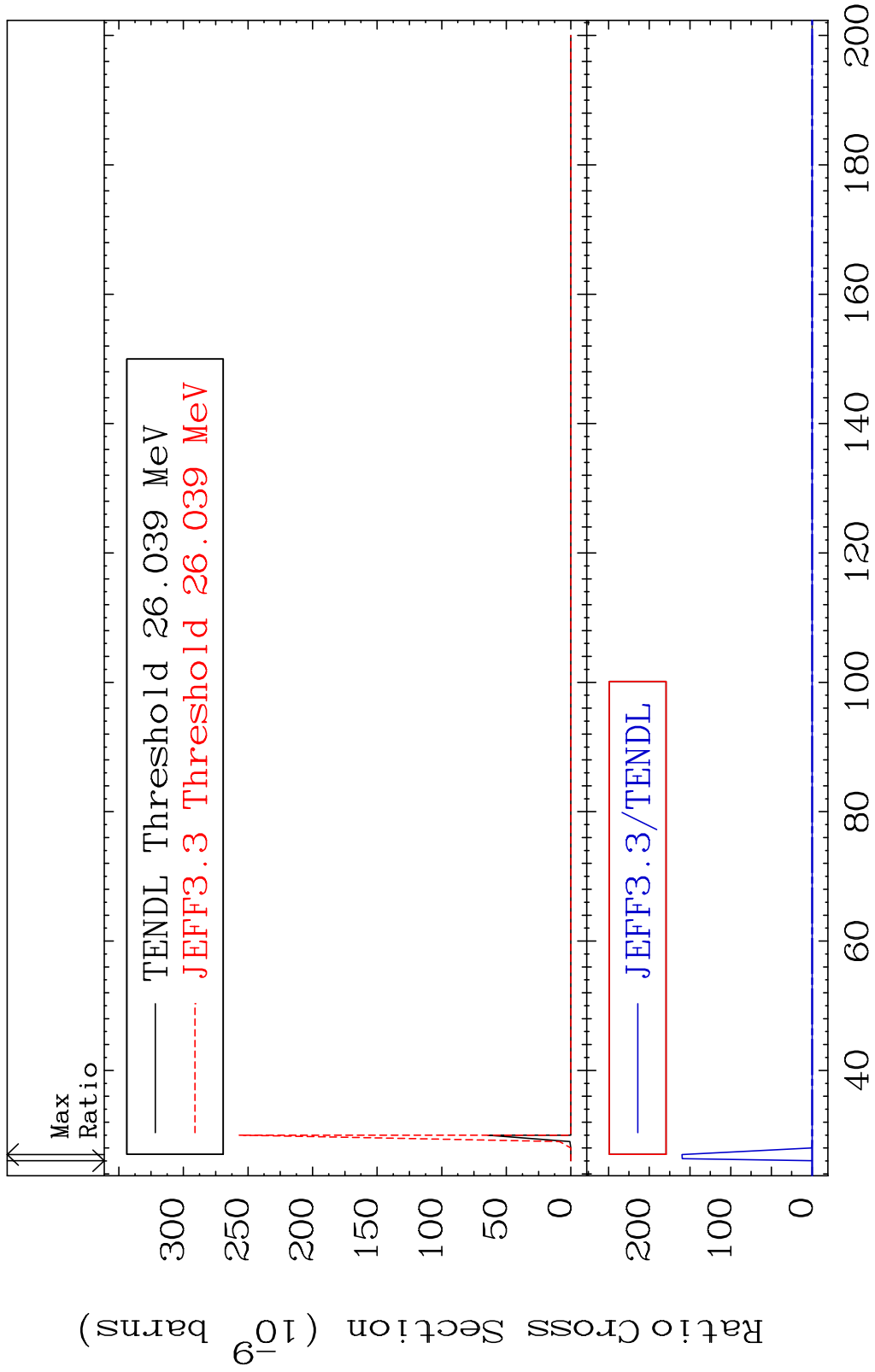




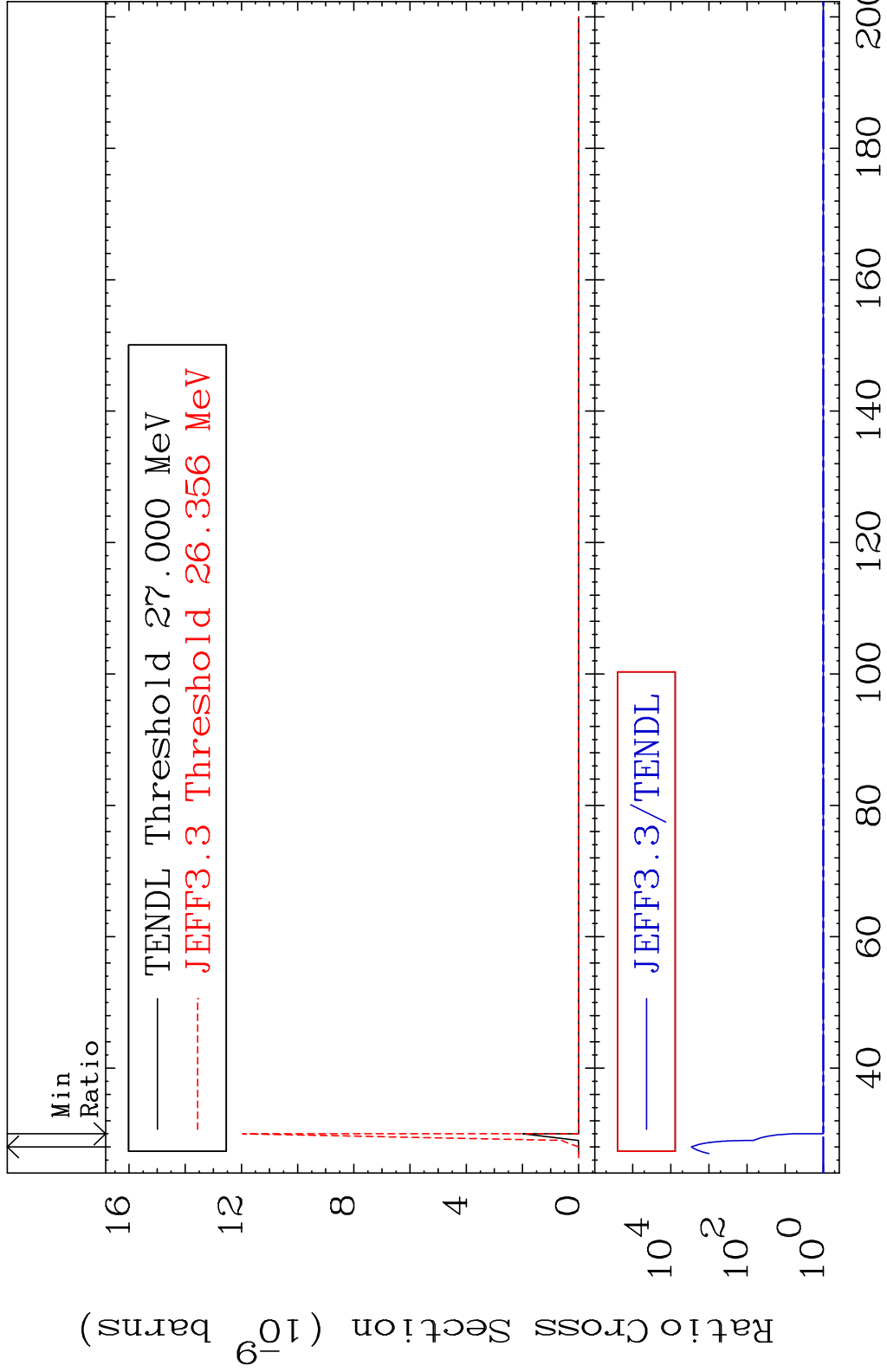




MAT 5061 (n,3n) p:49-In-121g 50-Sn-124
 Radionuclide Production Cross Section Ratio 9999. %

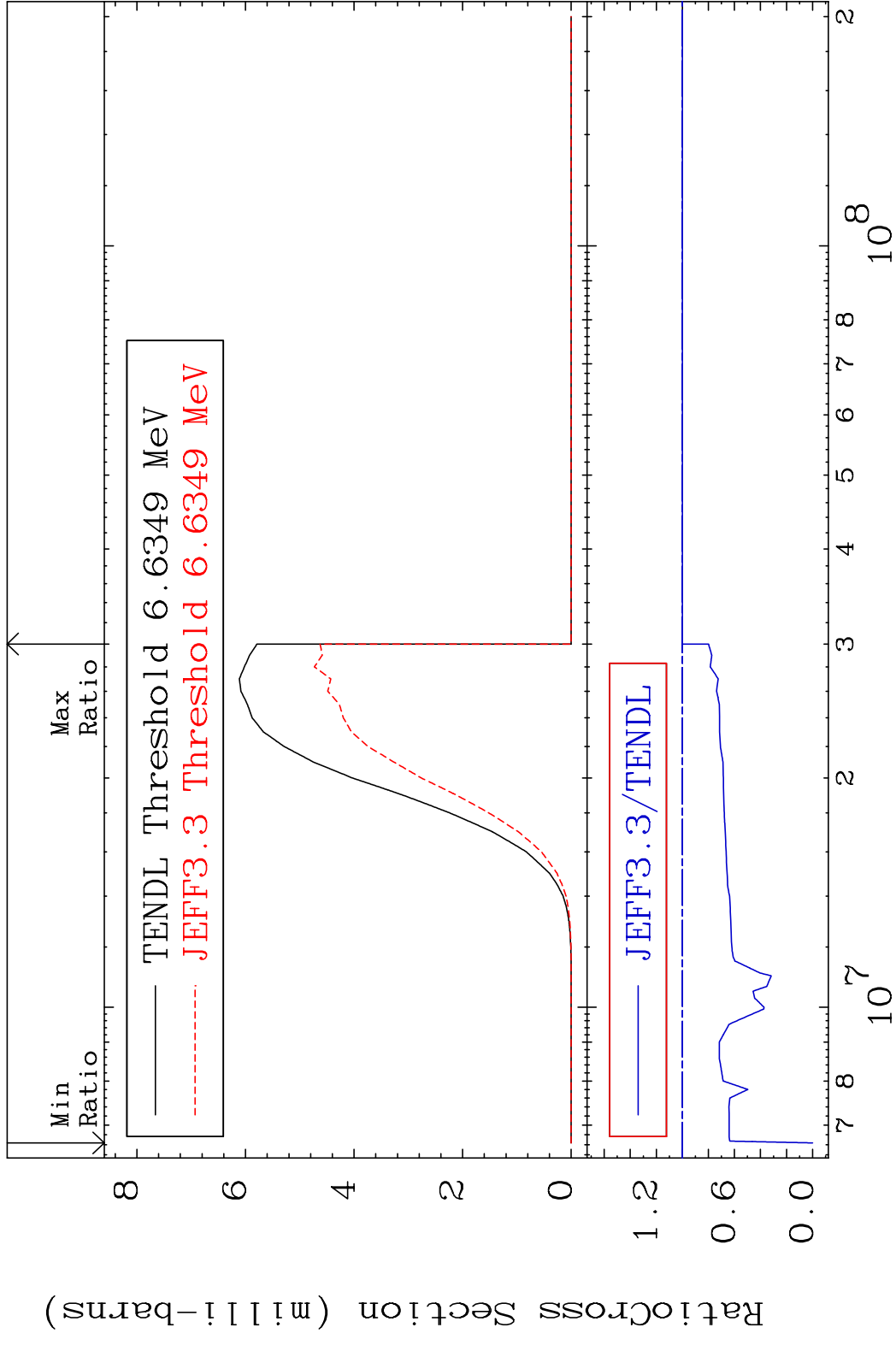


MAT 5061 (n,3n) p:49-In-121m1 50-Sn-124
 Radionuclide Production Cross Section, %

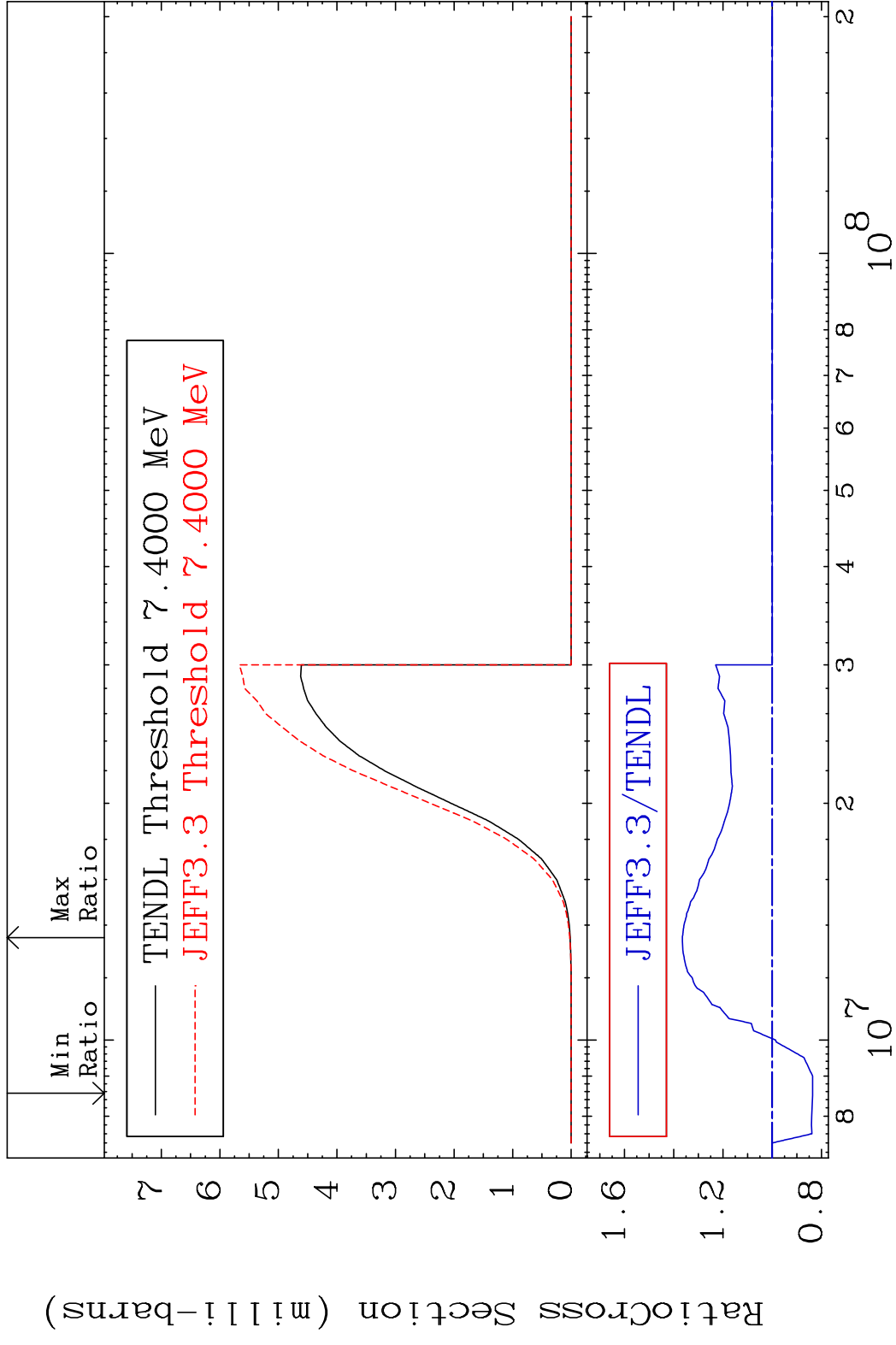


90 Incident Energy (MeV) 50-Sn-124

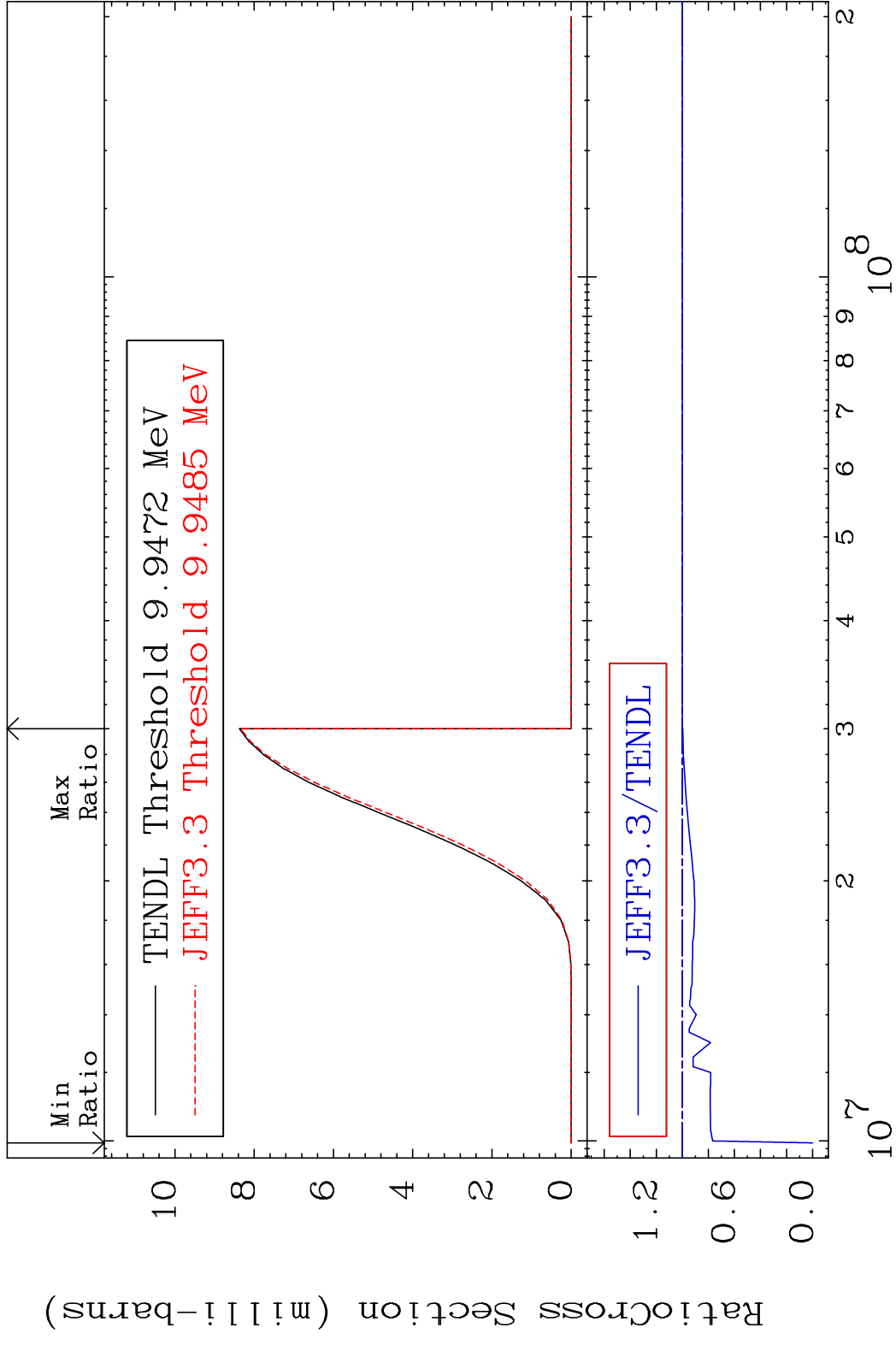
MAT 5061 (n,p):49-In-124g 50-Sn-124
 Radionuclide Production Cross Section 180.01 dth 0.000 %



MAT 5061 (n, p): 49-In-124m2 50-Sn-124
 Radionuclide Production Cross Section 186.34 dpo 36.51 %

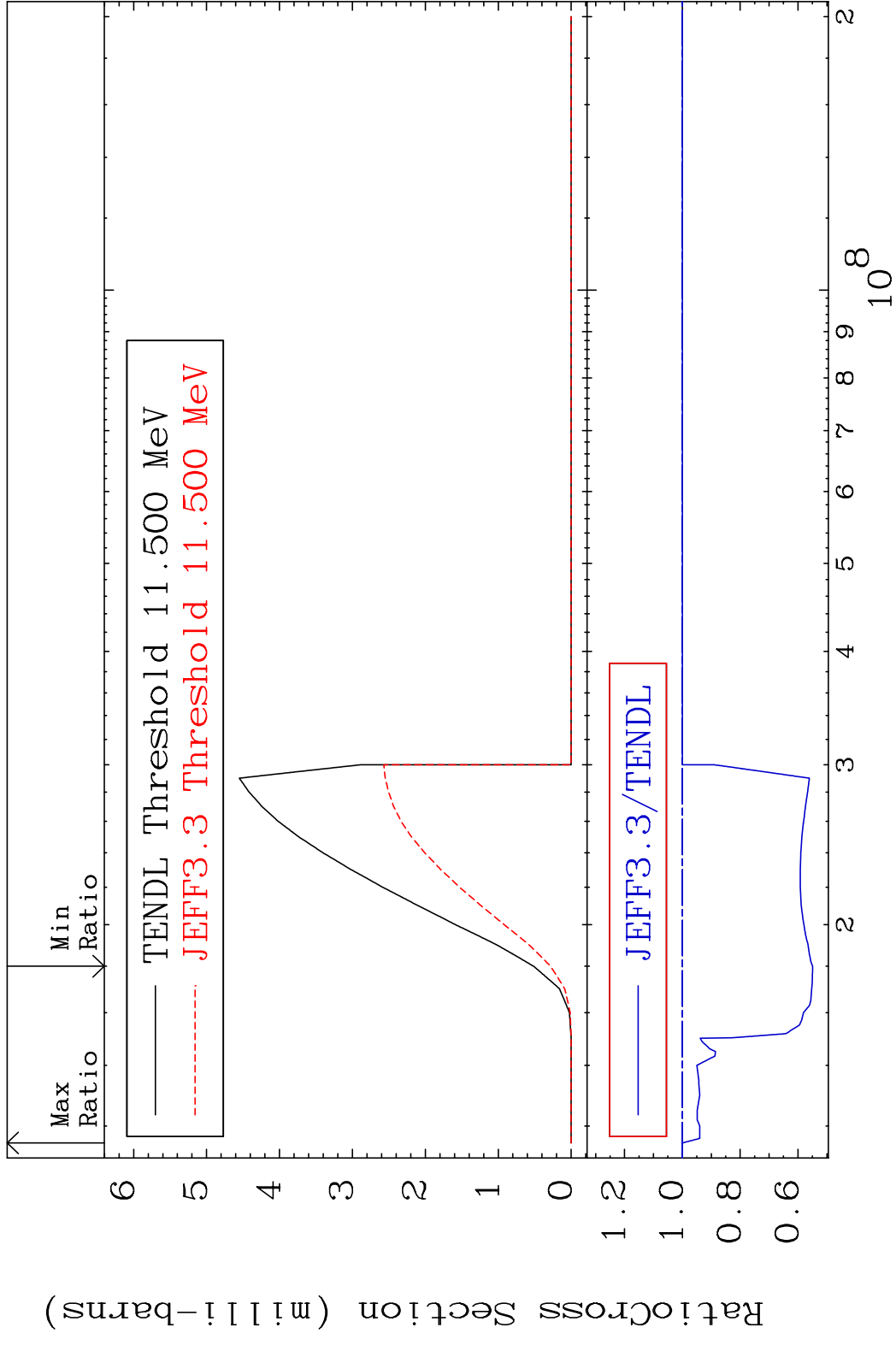


MAT 5061 (n, d) : 49-In-123g 50-Sn-124
 Radionuclide Production Cross Section 100.000 %

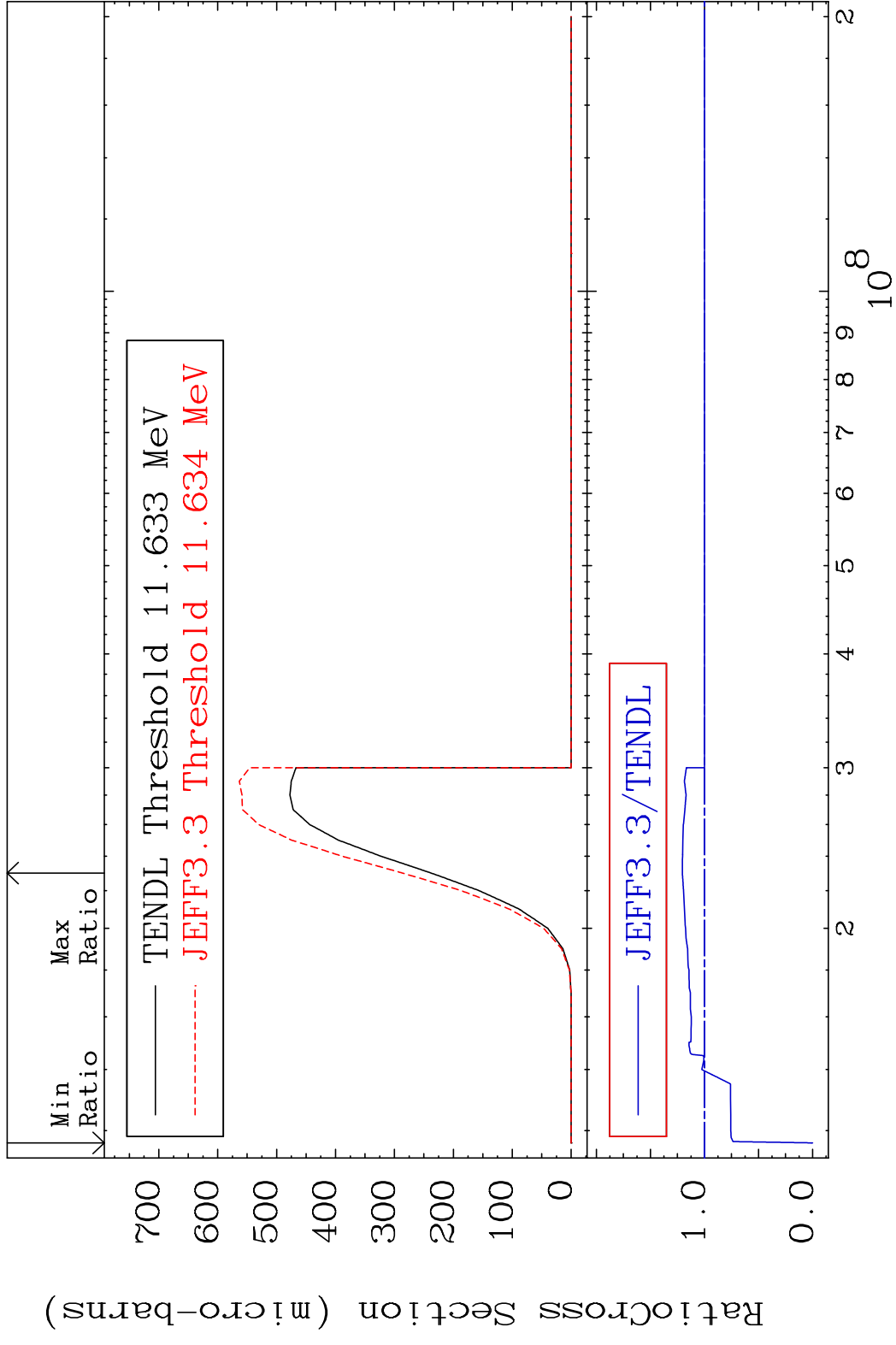


93 50-Sn-124

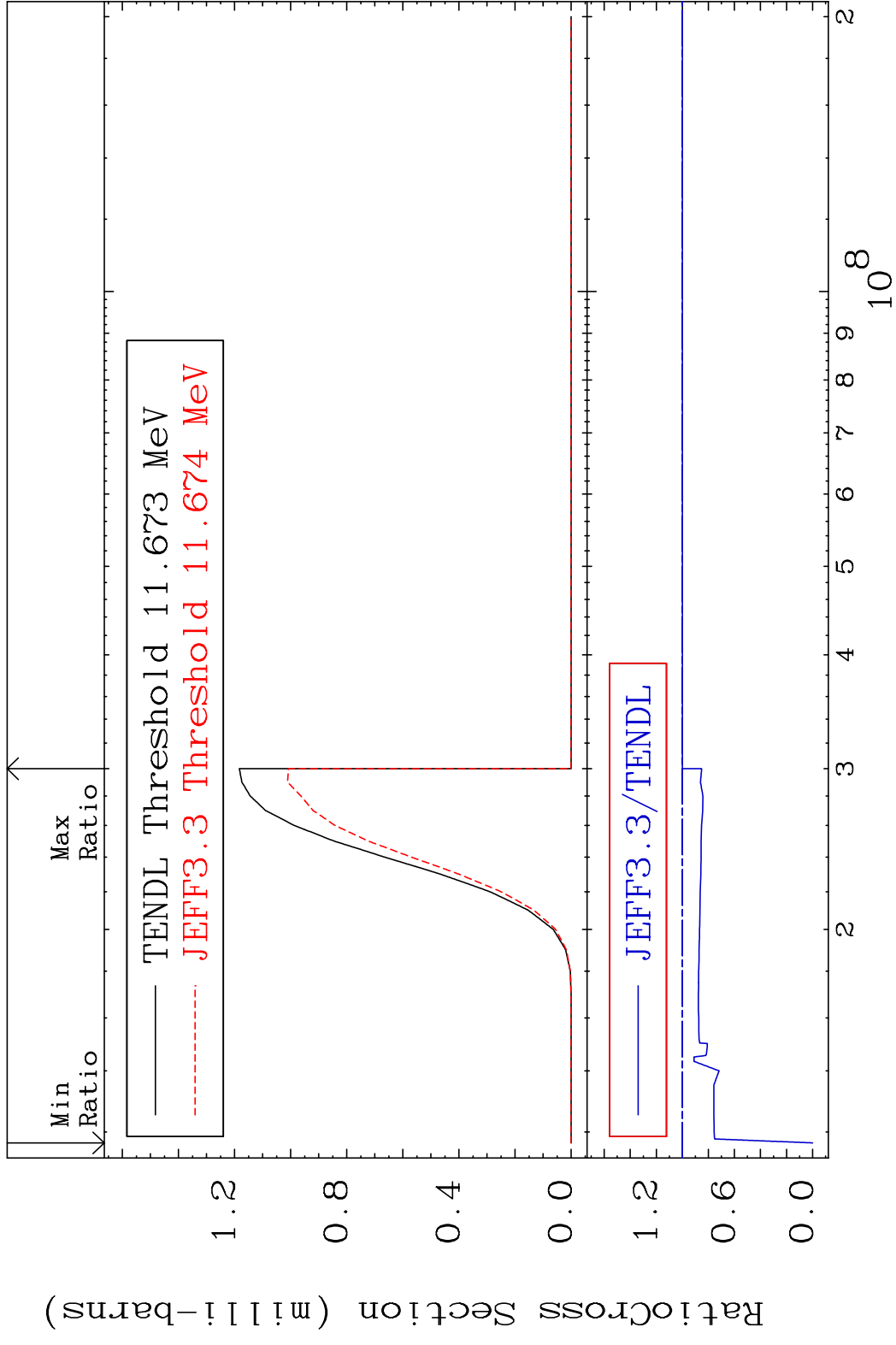
MAT 5061 (n, d): 49-In-123m1 50-Sn-124
 Radionuclide Production Cross Section 0.000 %



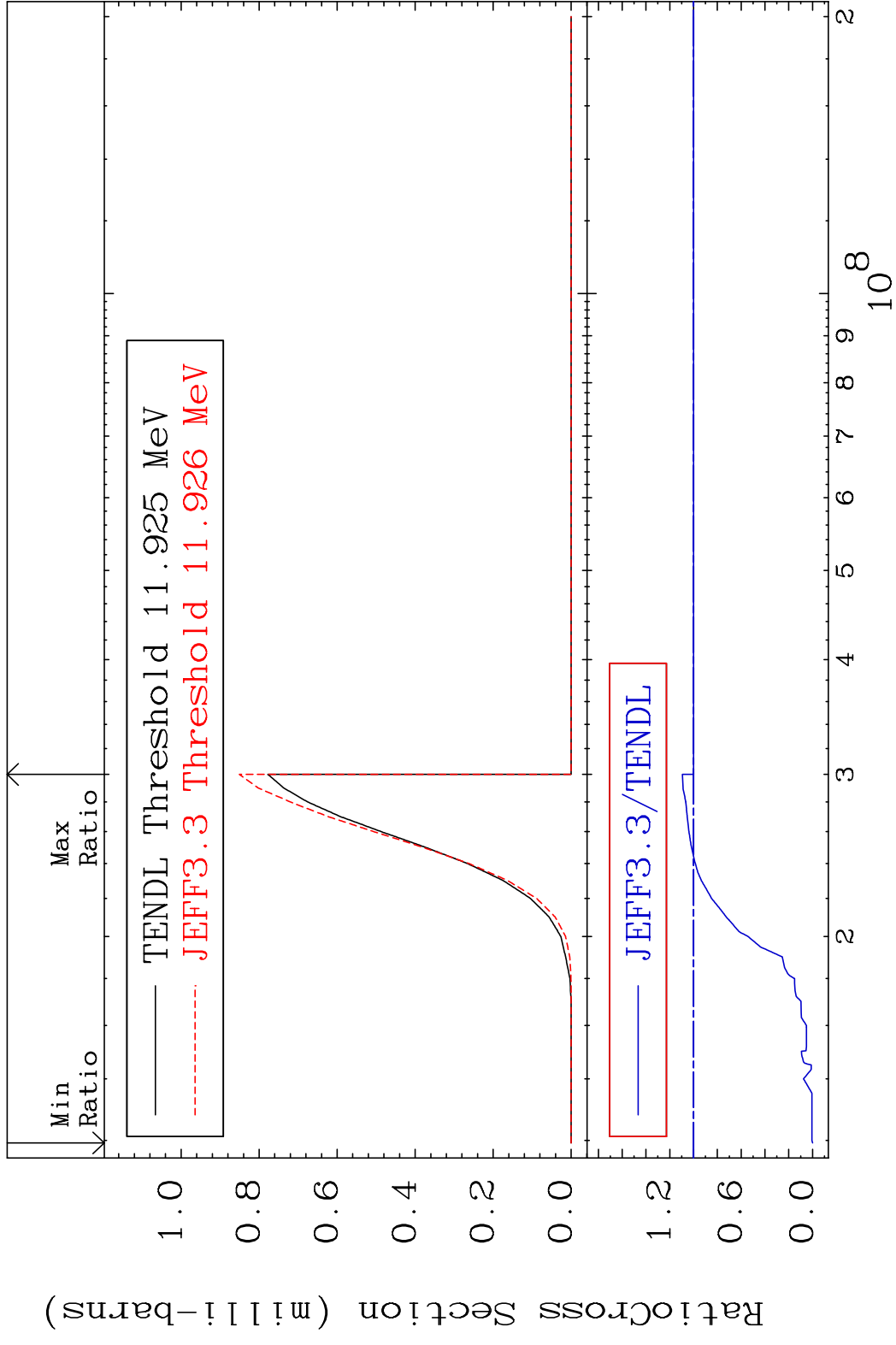
MAT 5061 (n, t): 49-In-122g 50-Sn-124
 Radionuclide Production Cross Section Ratio 20.47 %



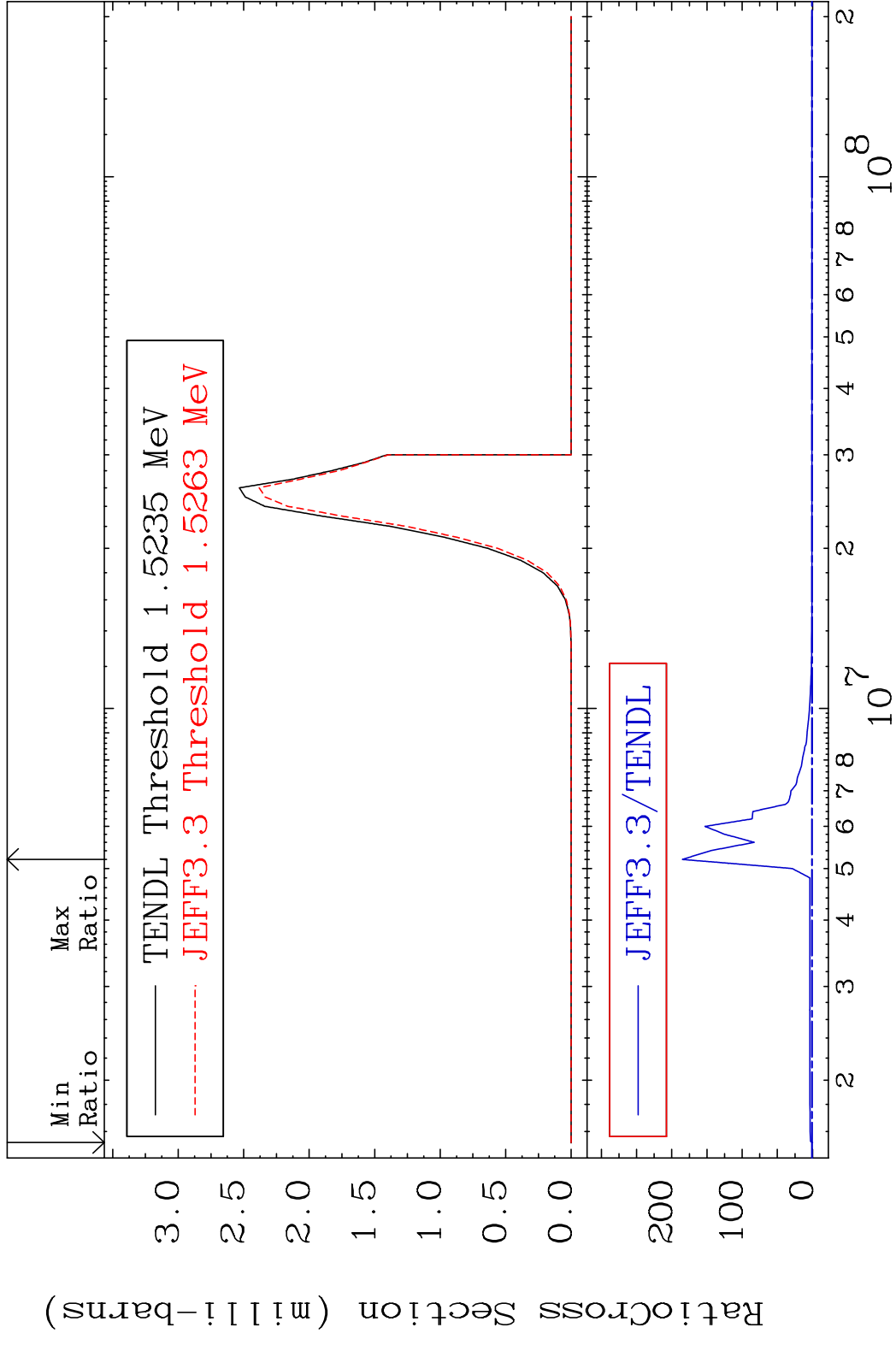
MAT 5061 (n, t): 49-In-122m1 50-Sn-124
 Radionuclide Production Cross Section 100.0 mb 0.000 %

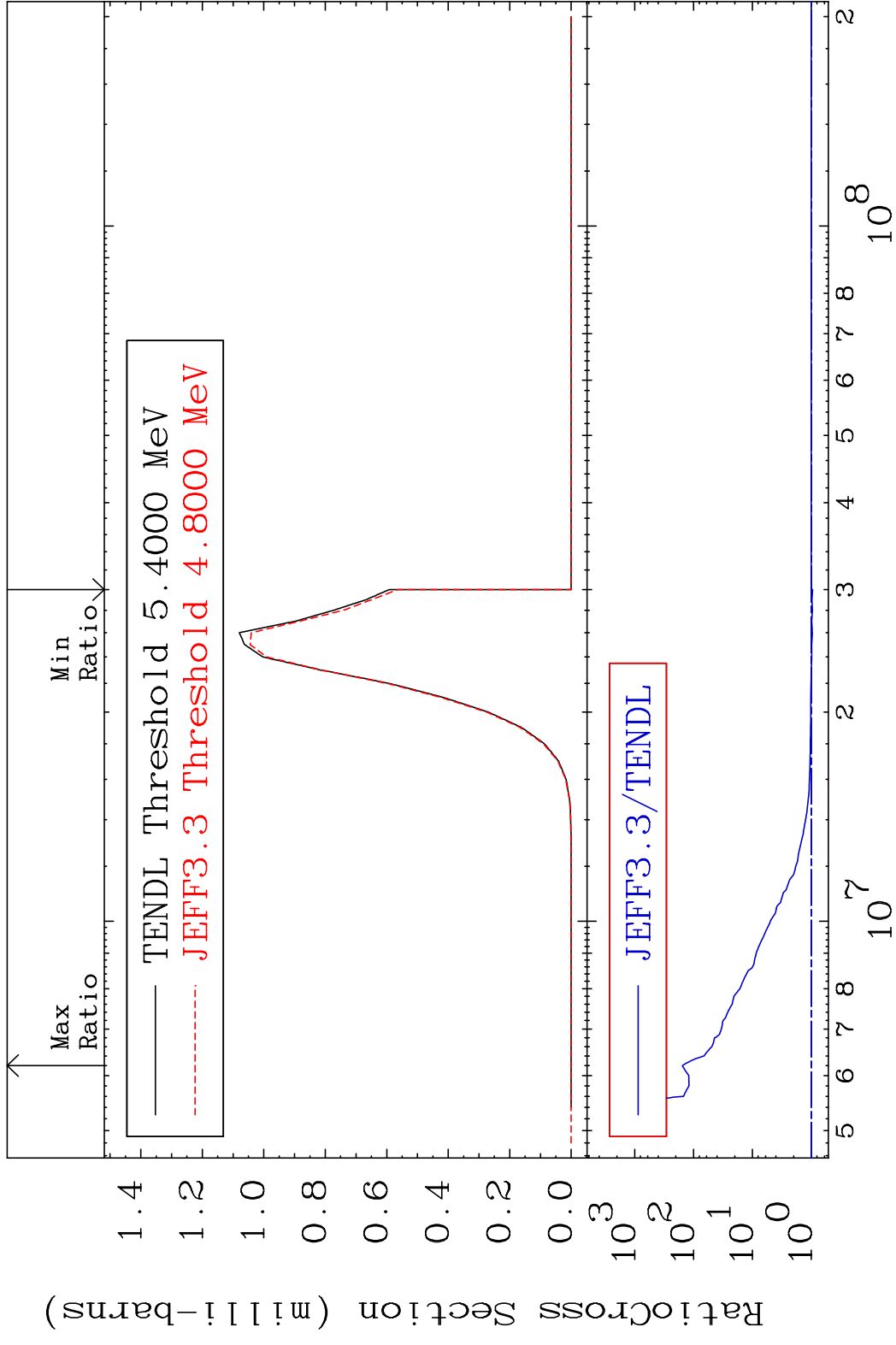


MAT 5061 (n, t): 49-In-122m5 50-Sn-124
 Radionuclide Production Cross Section Ratio 9.419 %

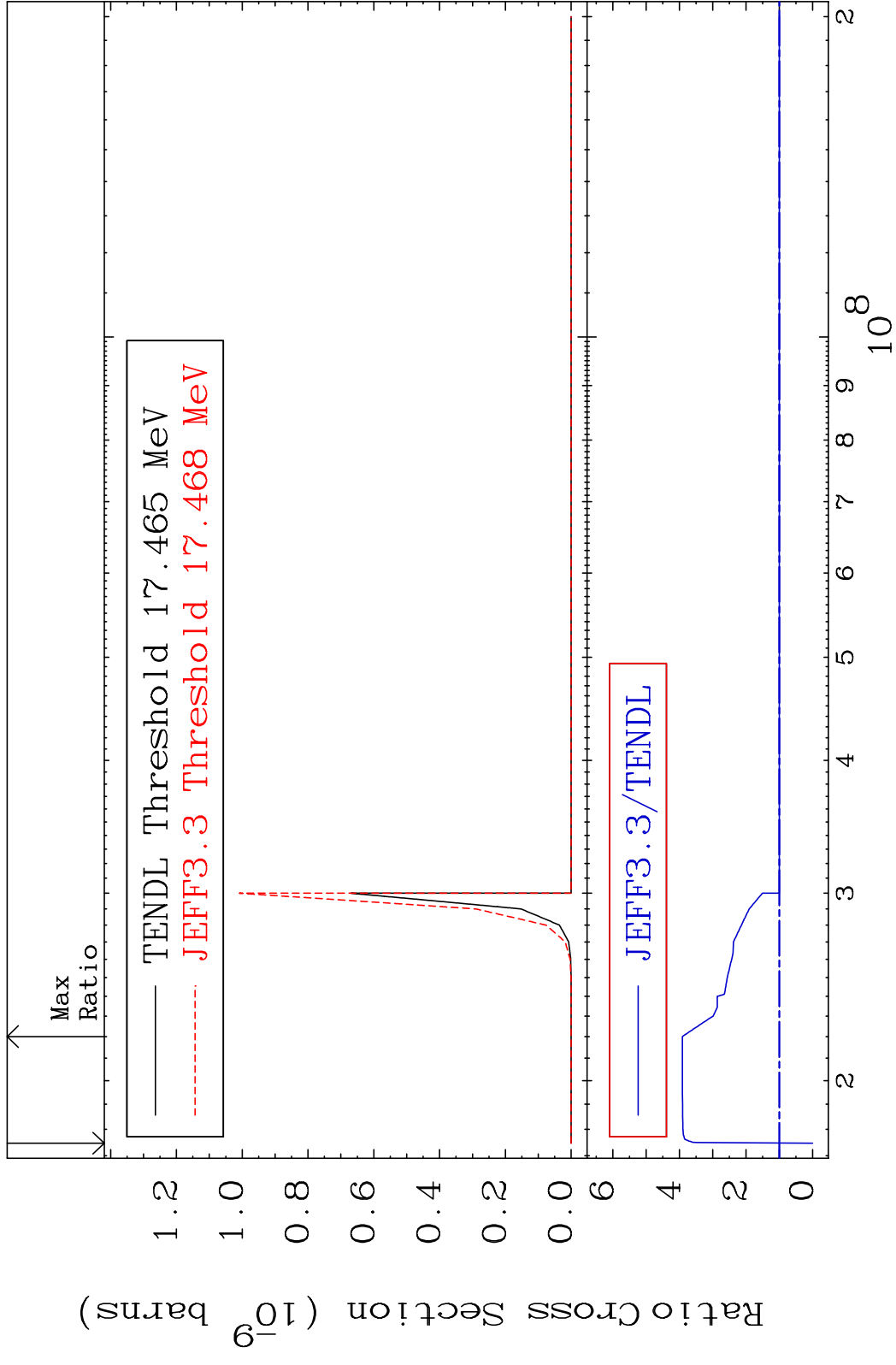


MAT 5061 (n,α):48-Cd-121g 50-Sn-124
 Radionuclide Production Cross Section (%)





MAT 5061 (n,2p):48-Cd-123g 50-Sn-124
 Radionuclide Production Cross Section 180.01 dth 291.3 %



100 Incident Energy (eV) 50-Sn-124