

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

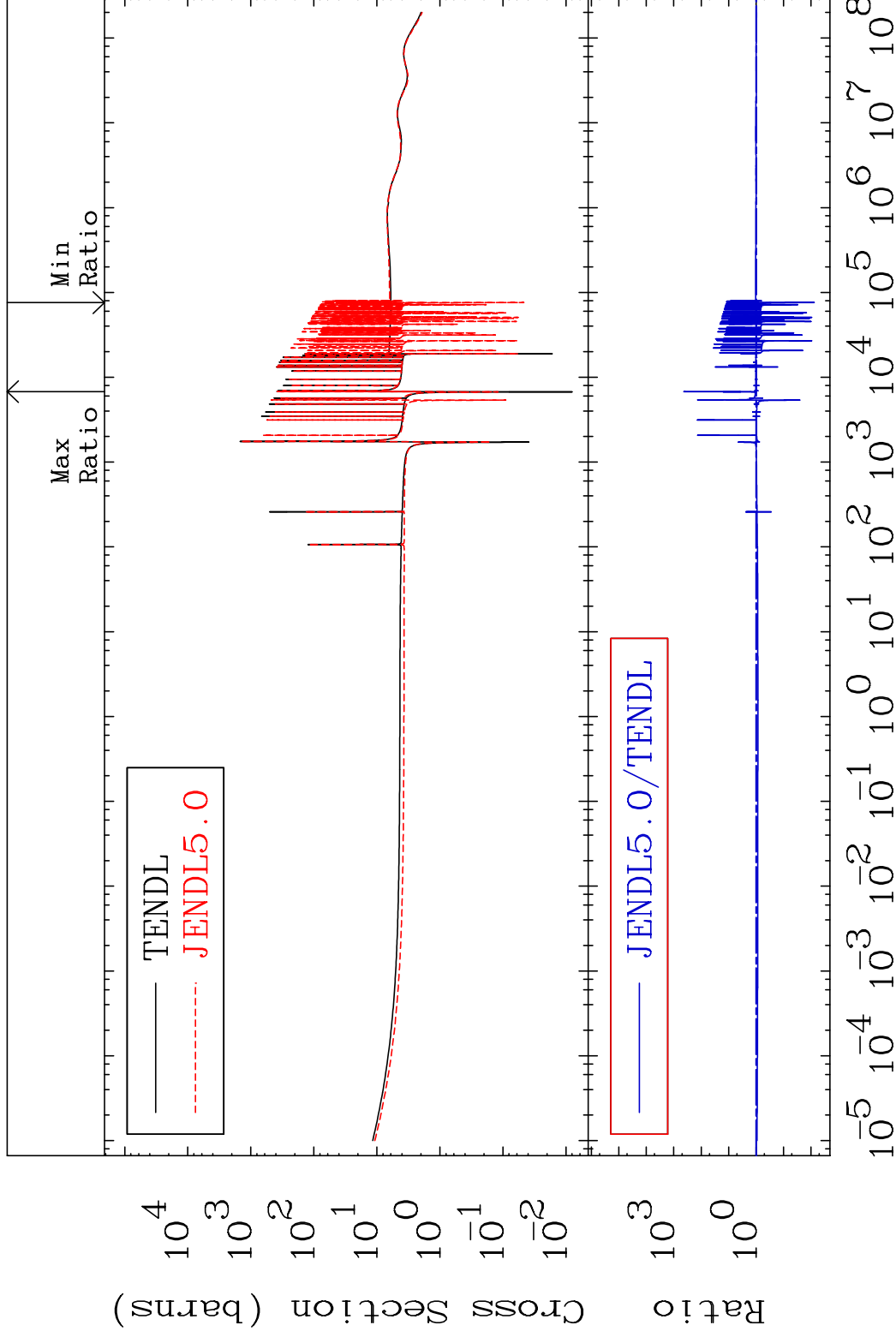
MAT 5055

Total

50-Sn-122

Cross Section

-99.23 To 9999. %



1

Incident Energy (eV)

50-Sn-122

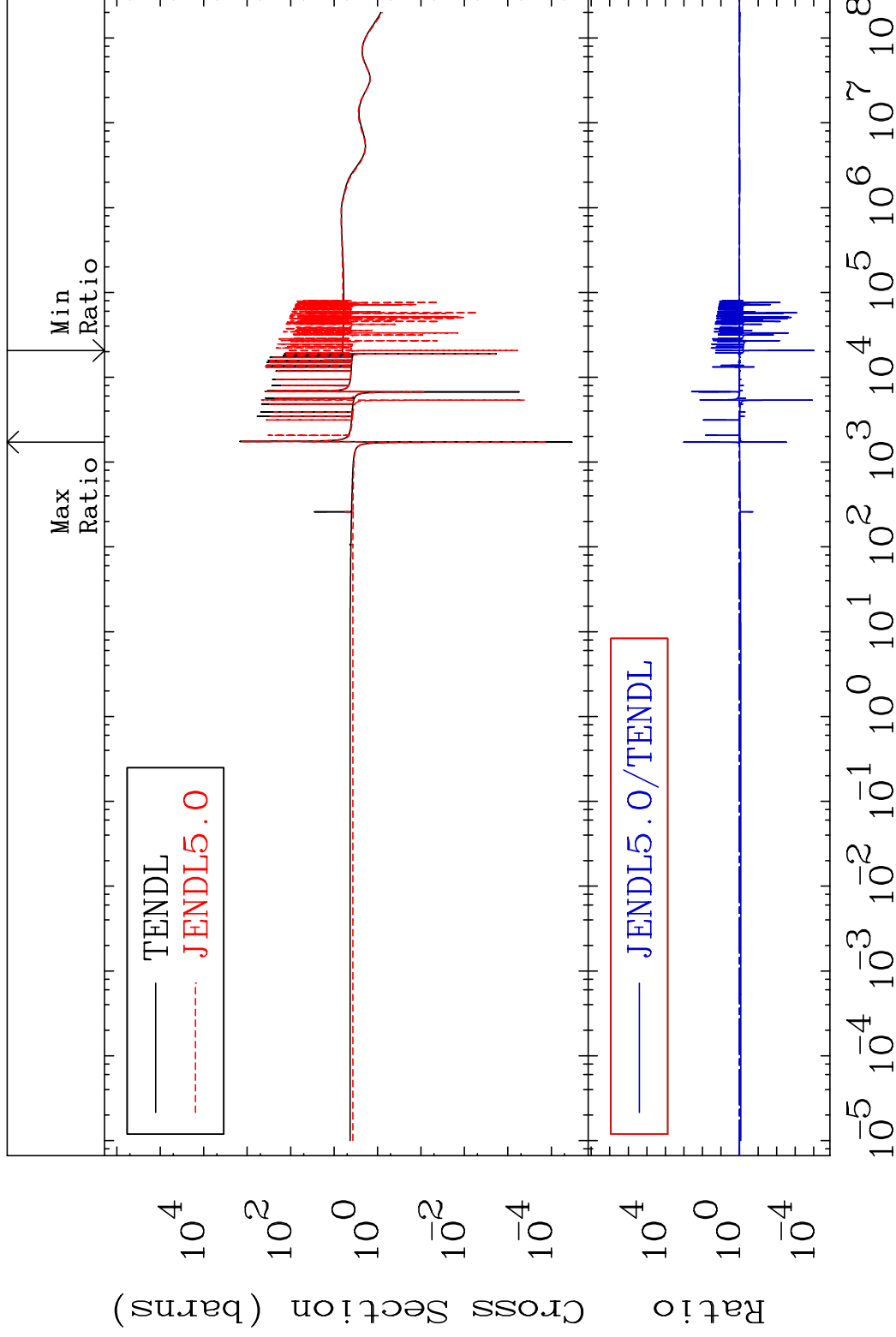
MAT 5055

Elastic

50-Sn-122

Cross Section

-99.99 To 9999. %

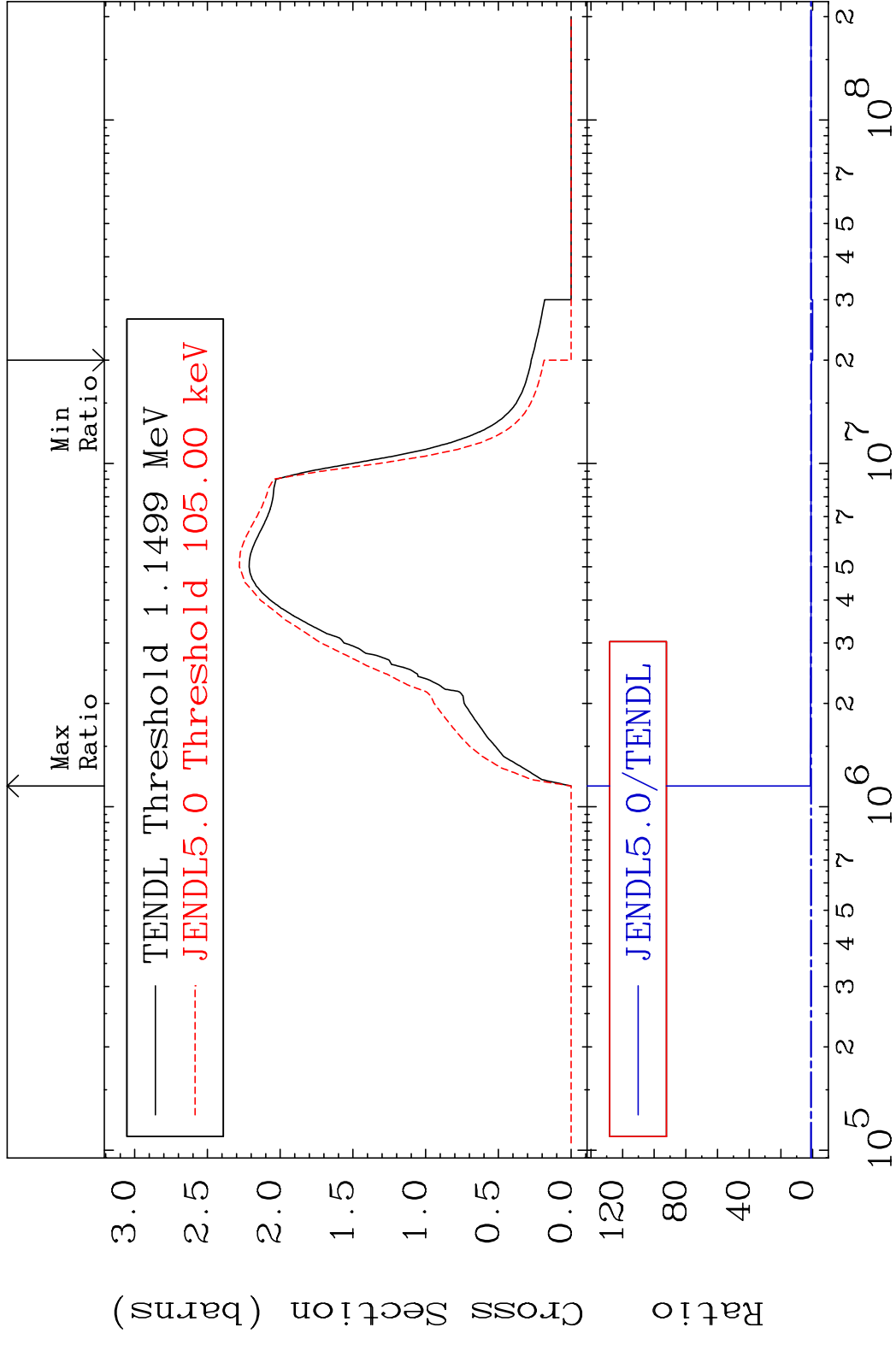


2

Incident Energy (eV)

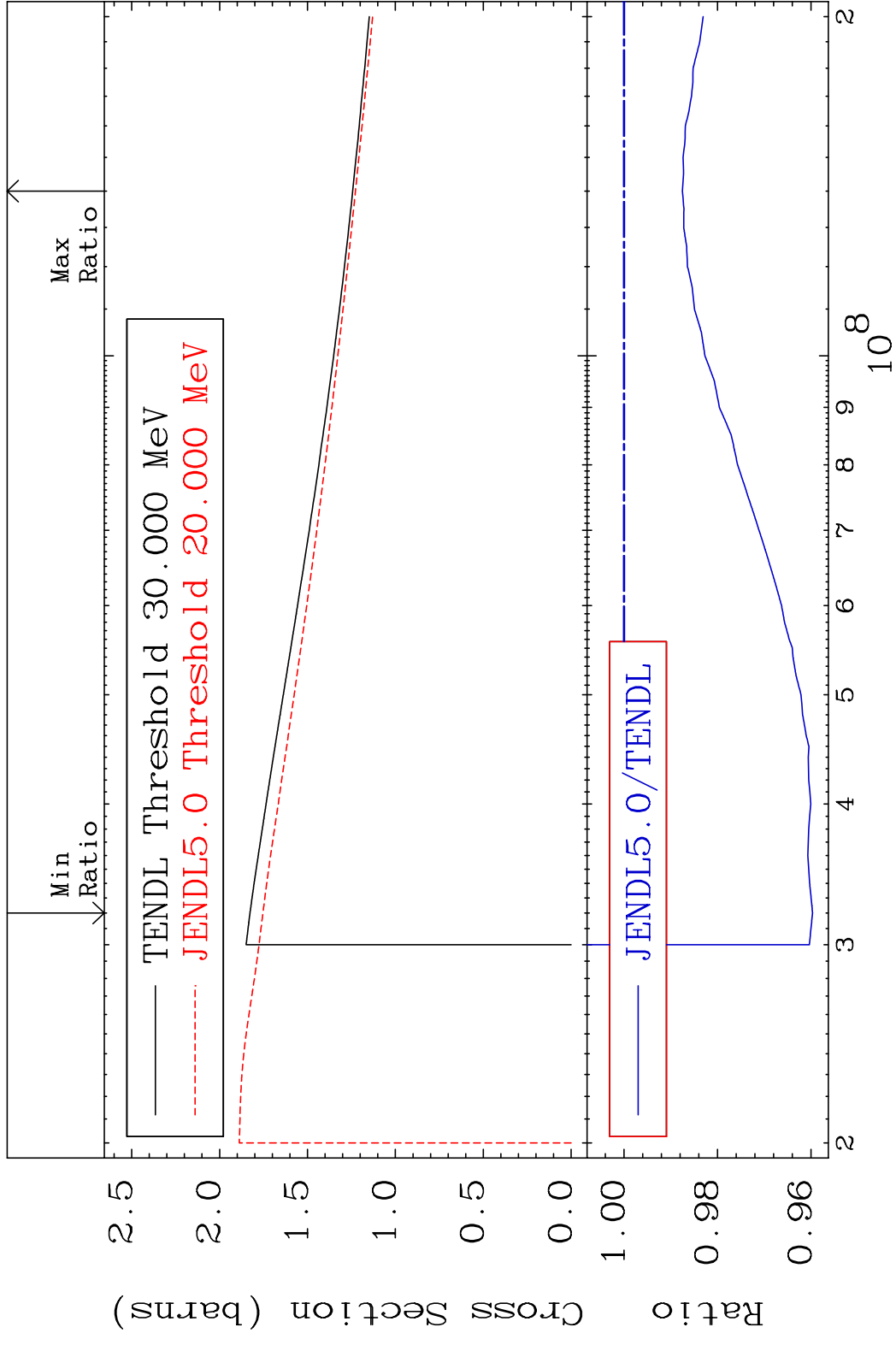
50-Sn-122

MAT 5055 Inelastic 50-Sn-122
 Cross Section -100.0 To 8122. %



3 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, remainder) 50-Sn-122
 Cross Section -4.033 To -1.248%



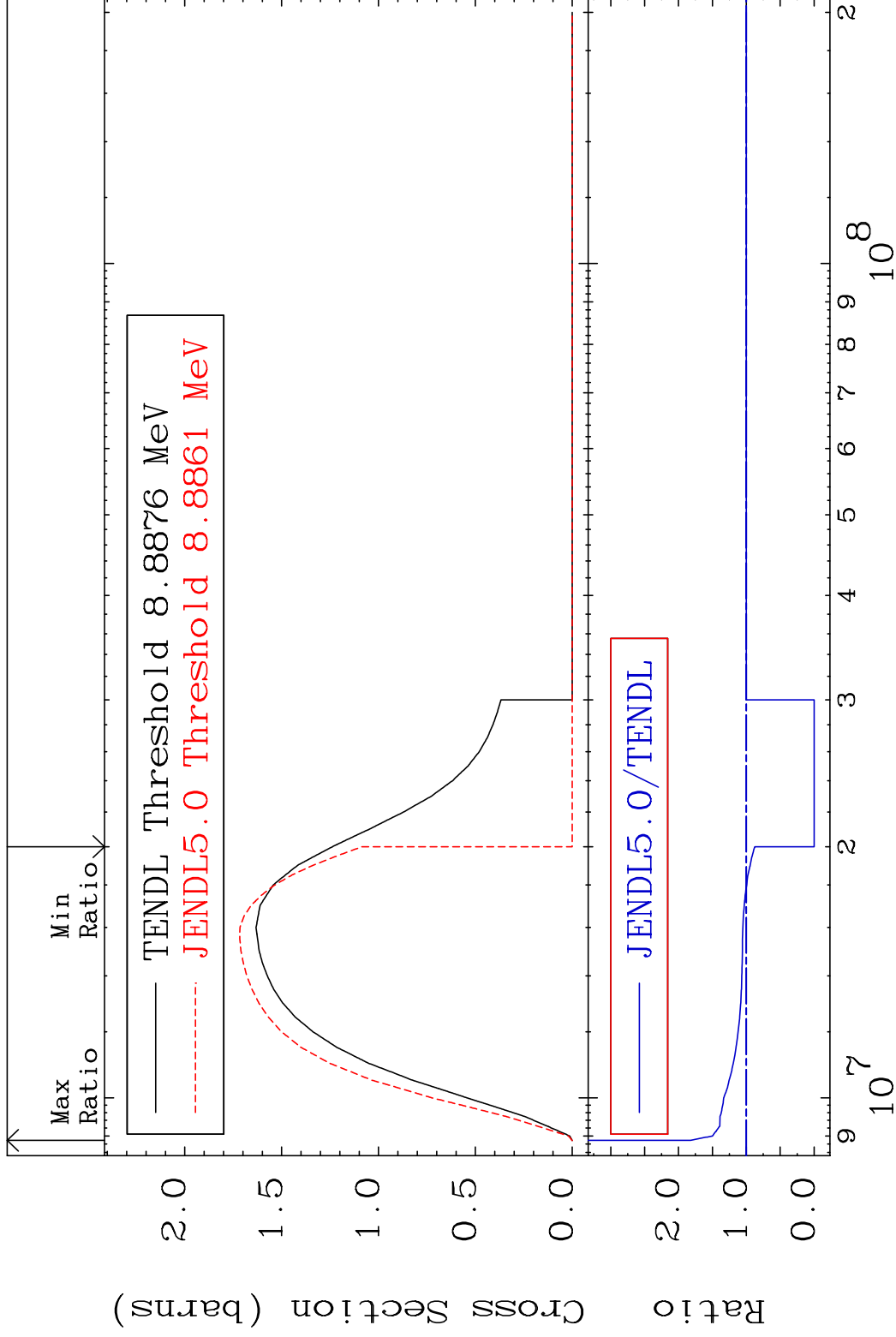
4 Incident Energy (eV) 50-Sn-122

MAT 5055

(n,2n)

50-Sn-122

Cross Section -100.0 To 92.40 %

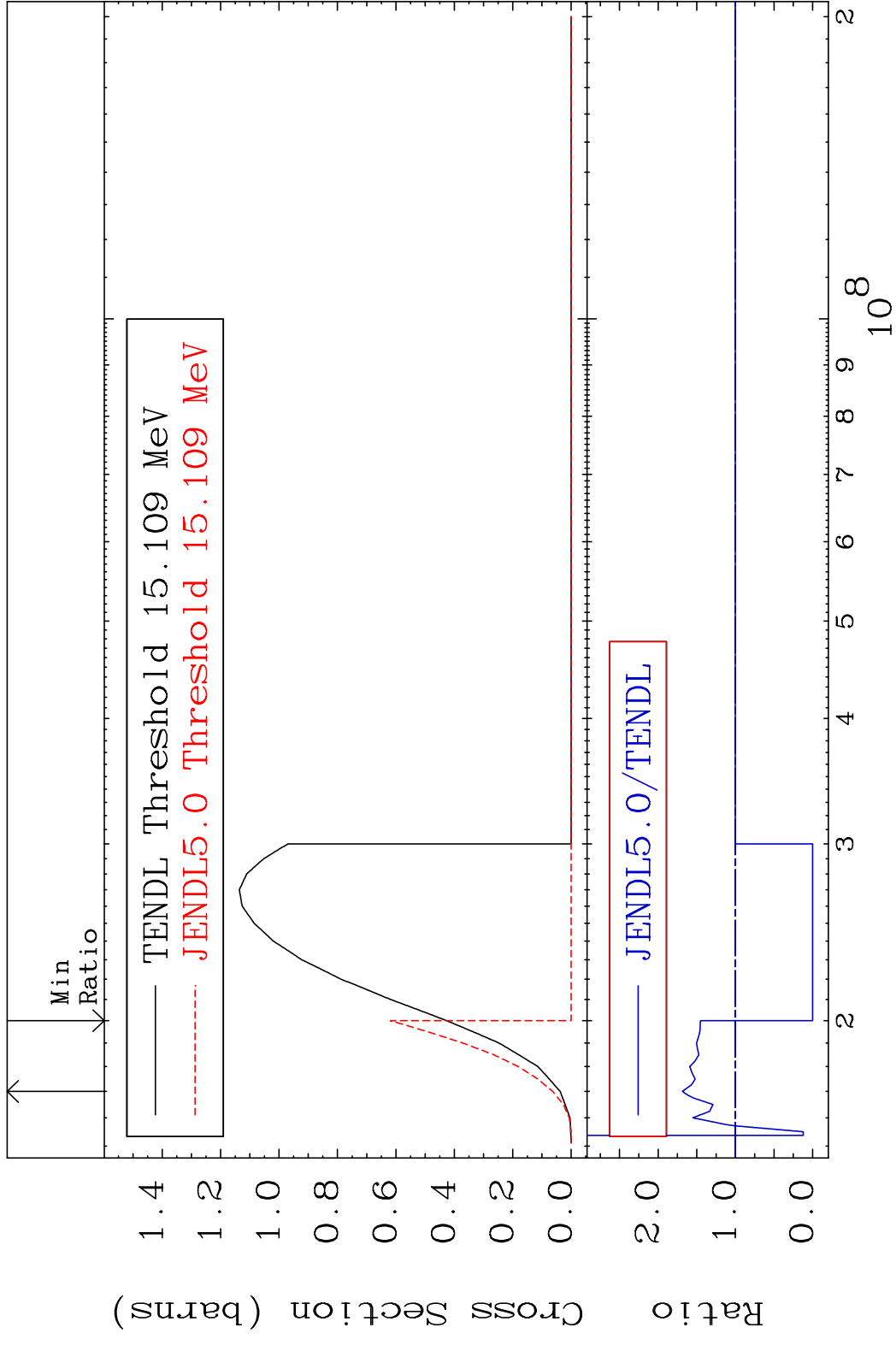


5

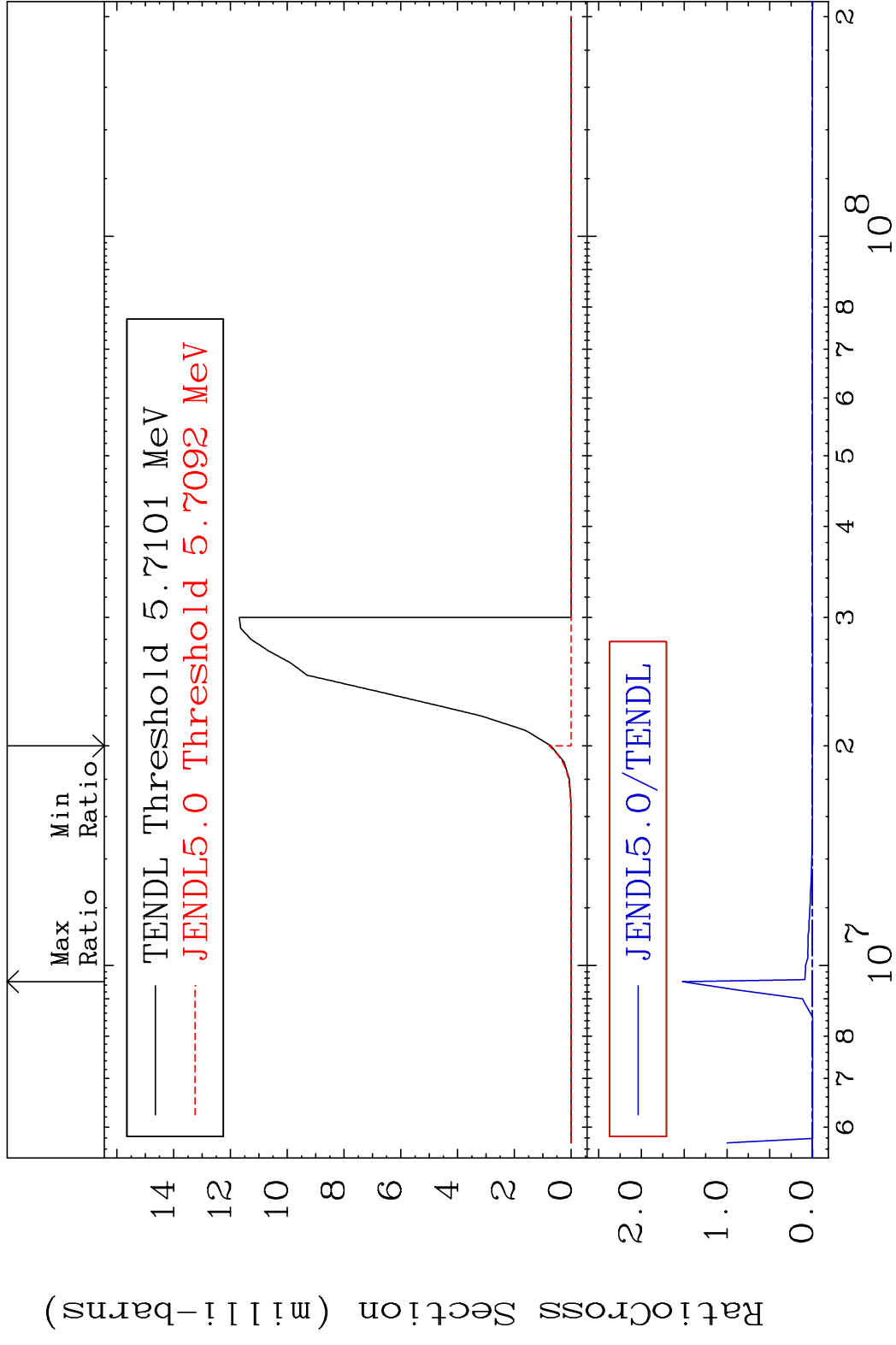
Incident Energy (eV)

50-Sn-122

MAT 5055 (n,3n) 50-Sn-122
 Cross Section -100.0 To 68.65 %

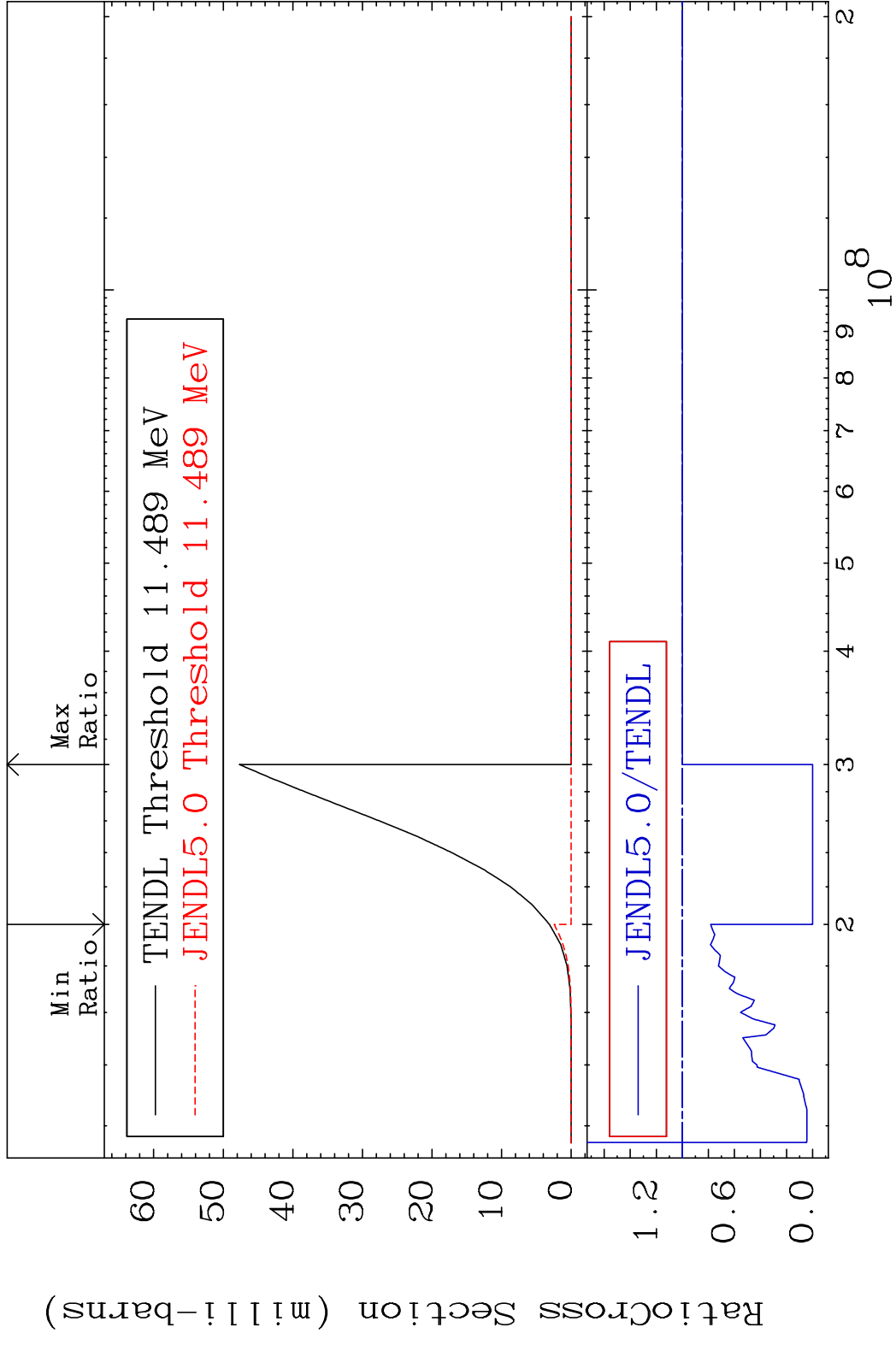


MAT 5055 (n, n') α 50-Sn-122
 Cross Section -100.0 To 9999. %

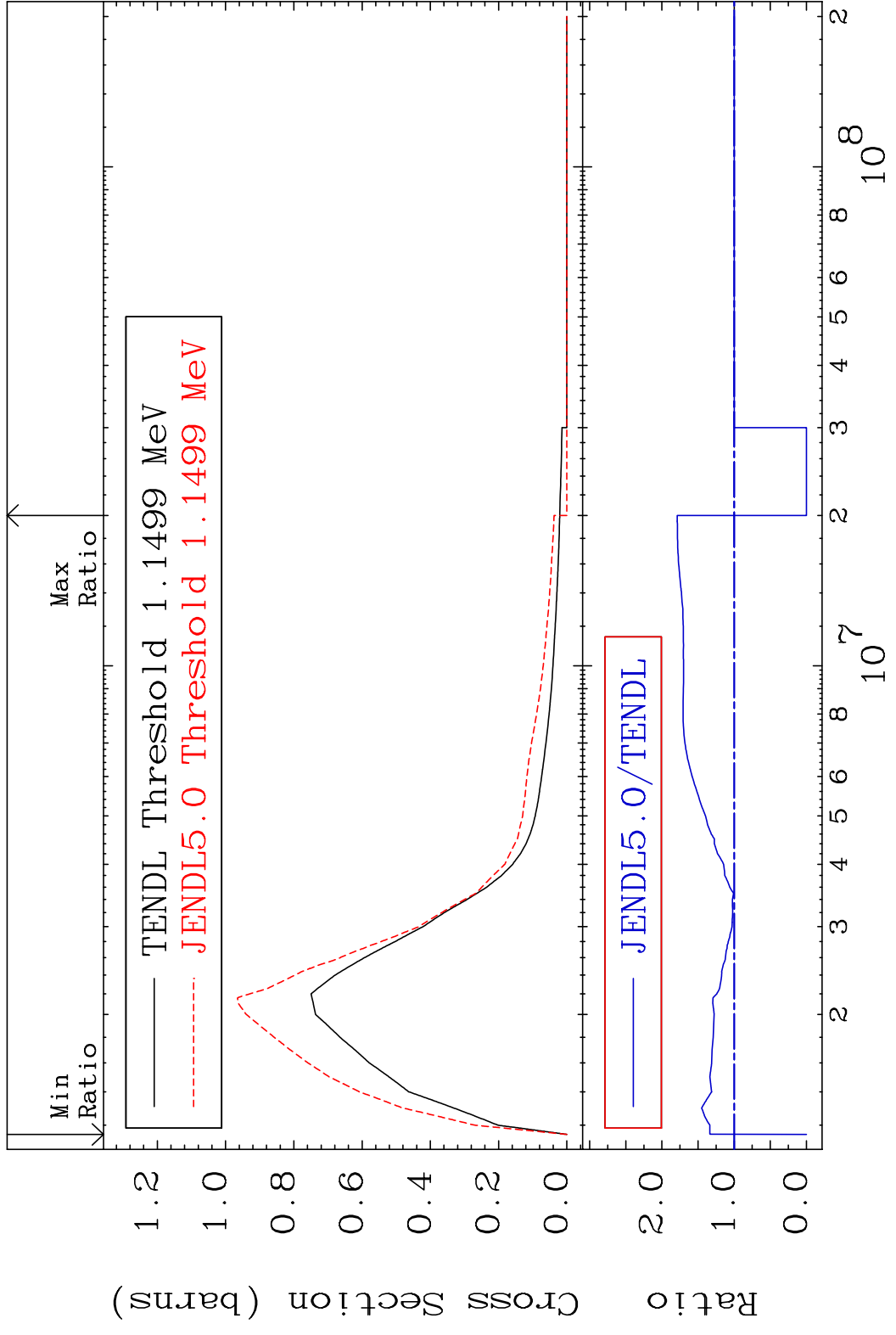


7 Incident Energy (eV) 50-Sn-122

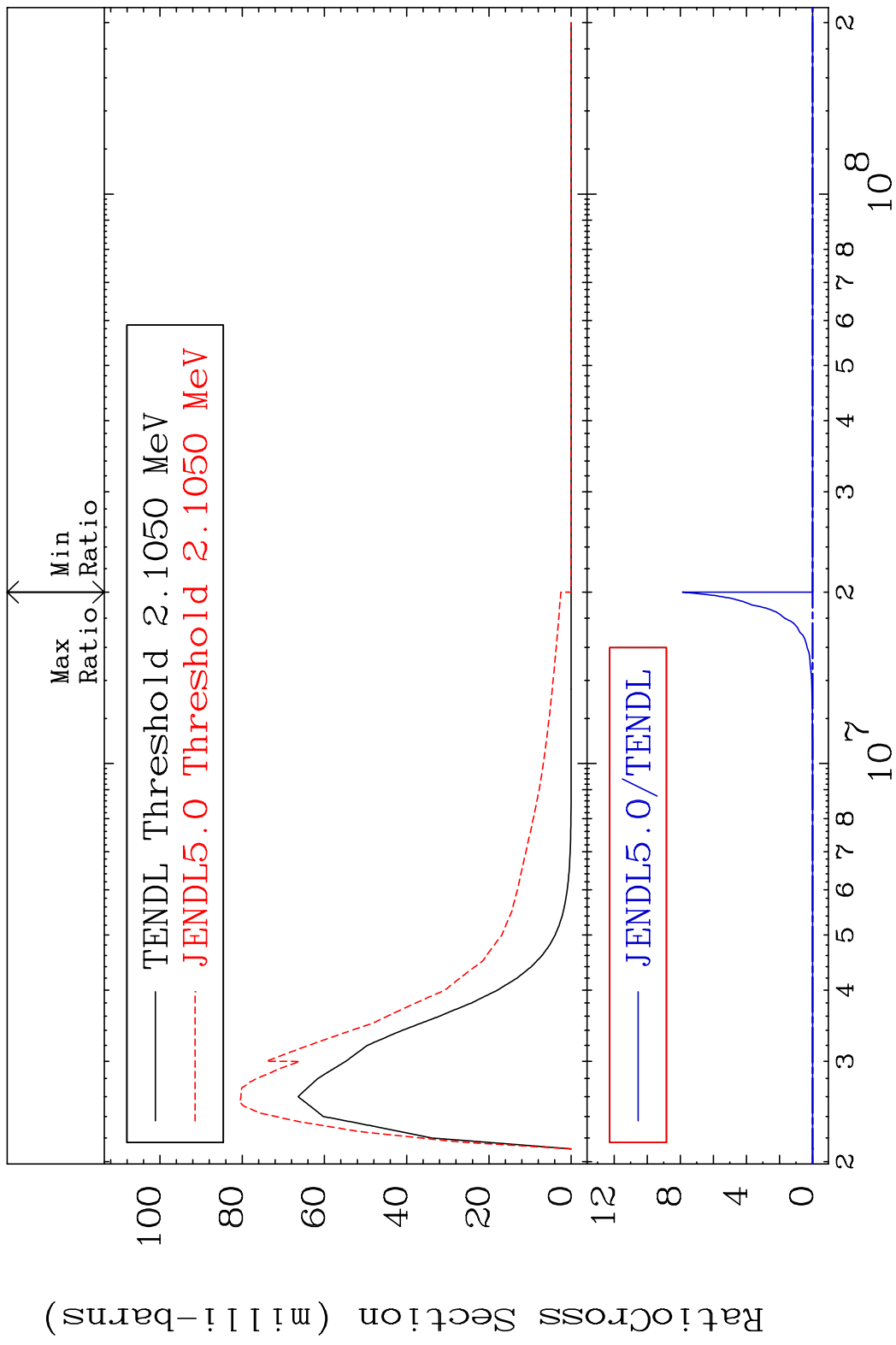
MAT 5055 (n, n') p 50-Sn-122
 Cross Section -100.0 To 0.000 %



MAT 5055 MT= 51 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 78.87 %

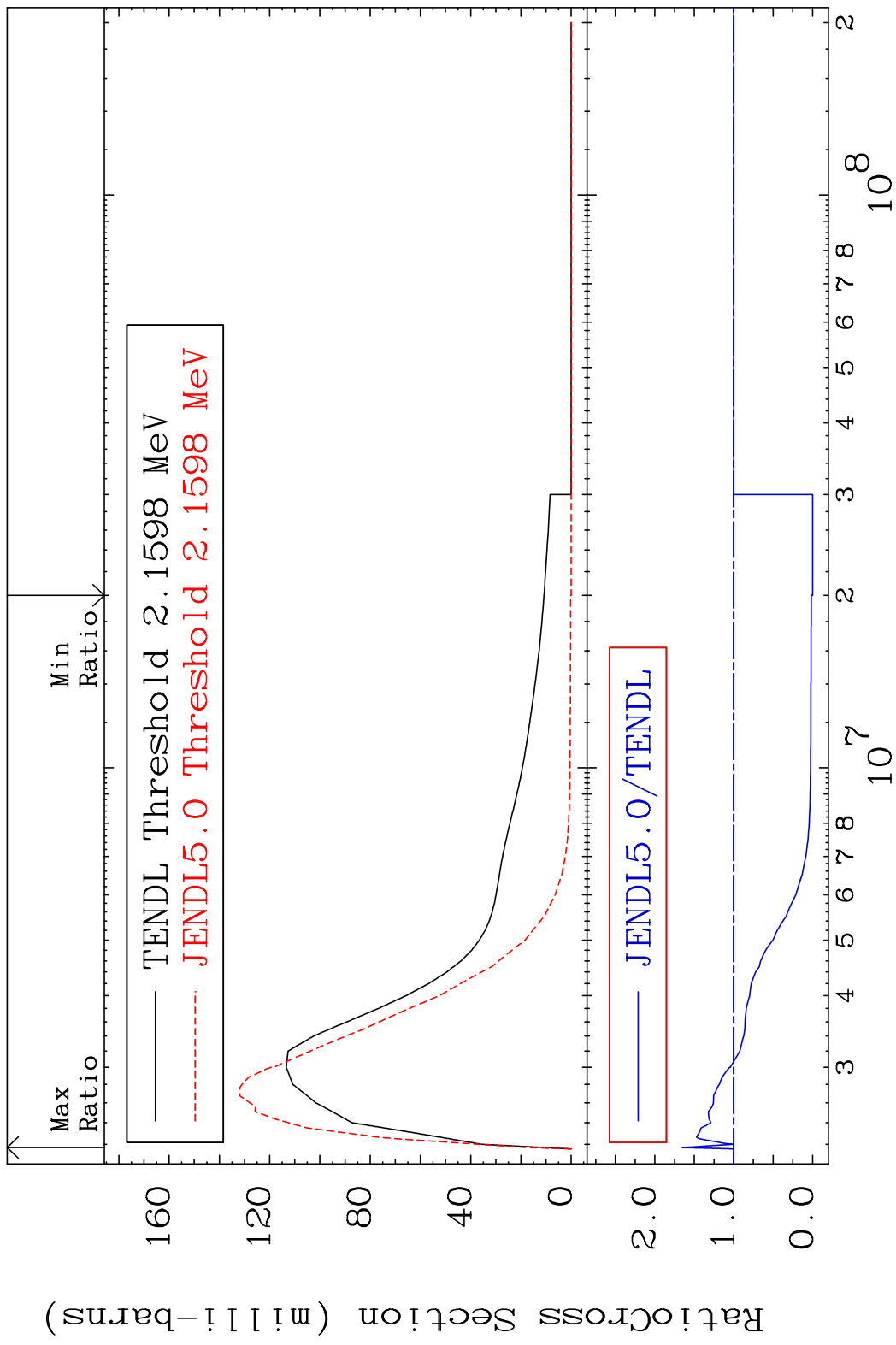


MAT 5055 MT= 52 (n, n') Level 50-Sn-122
Cross Section -100.0 To 9999. %



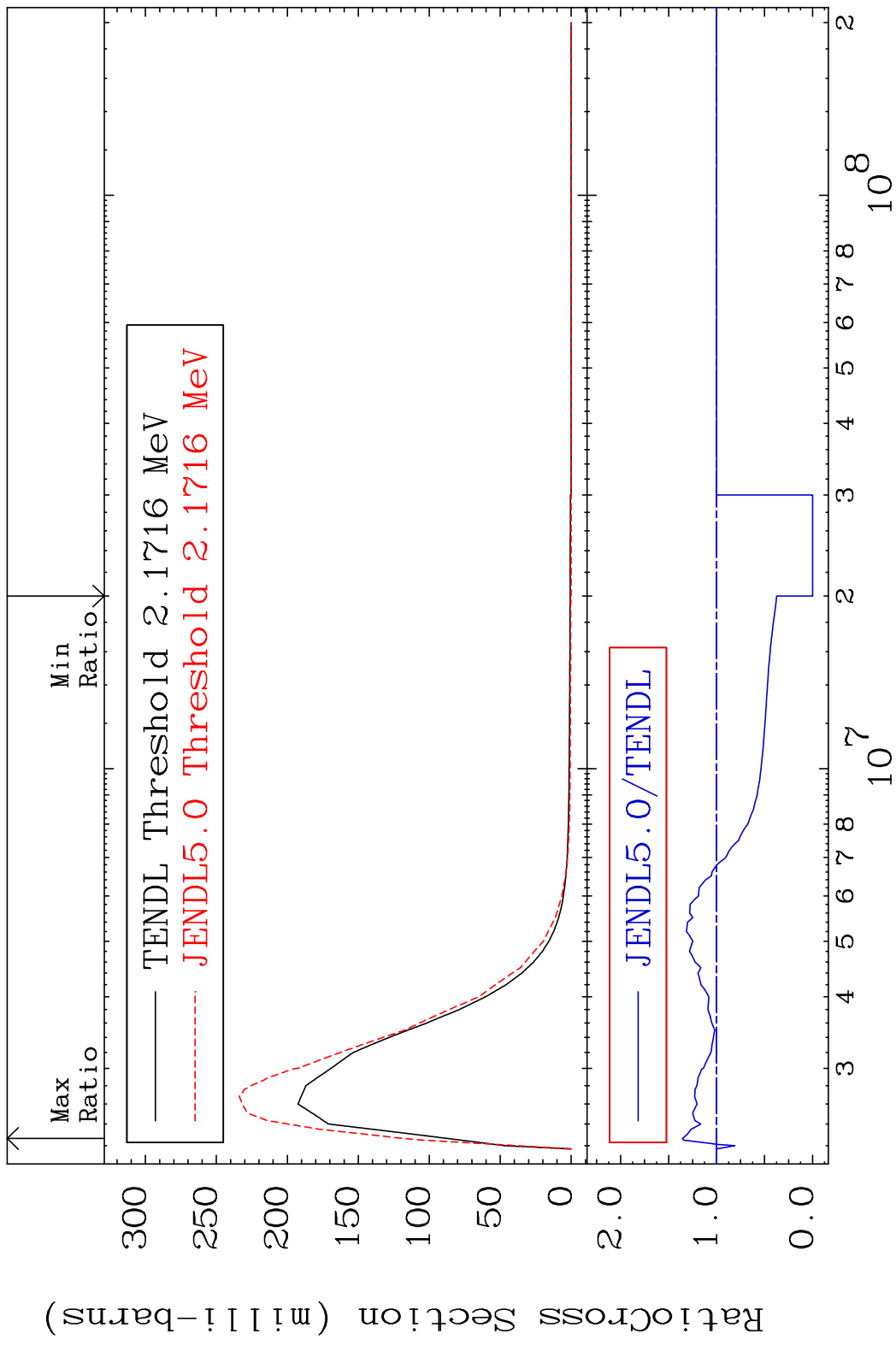
10 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 53 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 65.14 %

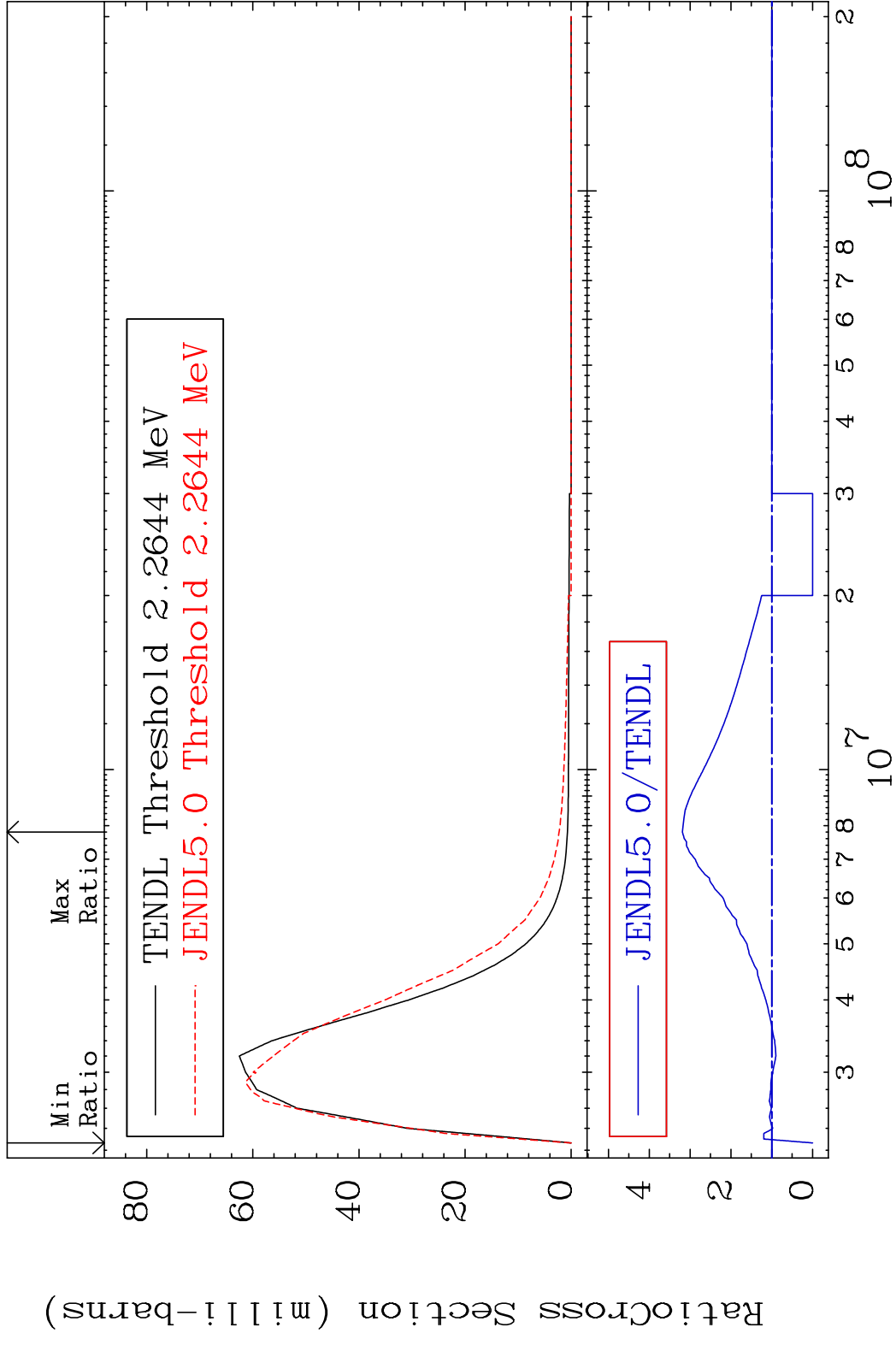


11 Incident Energy (eV) 50-Sn-122

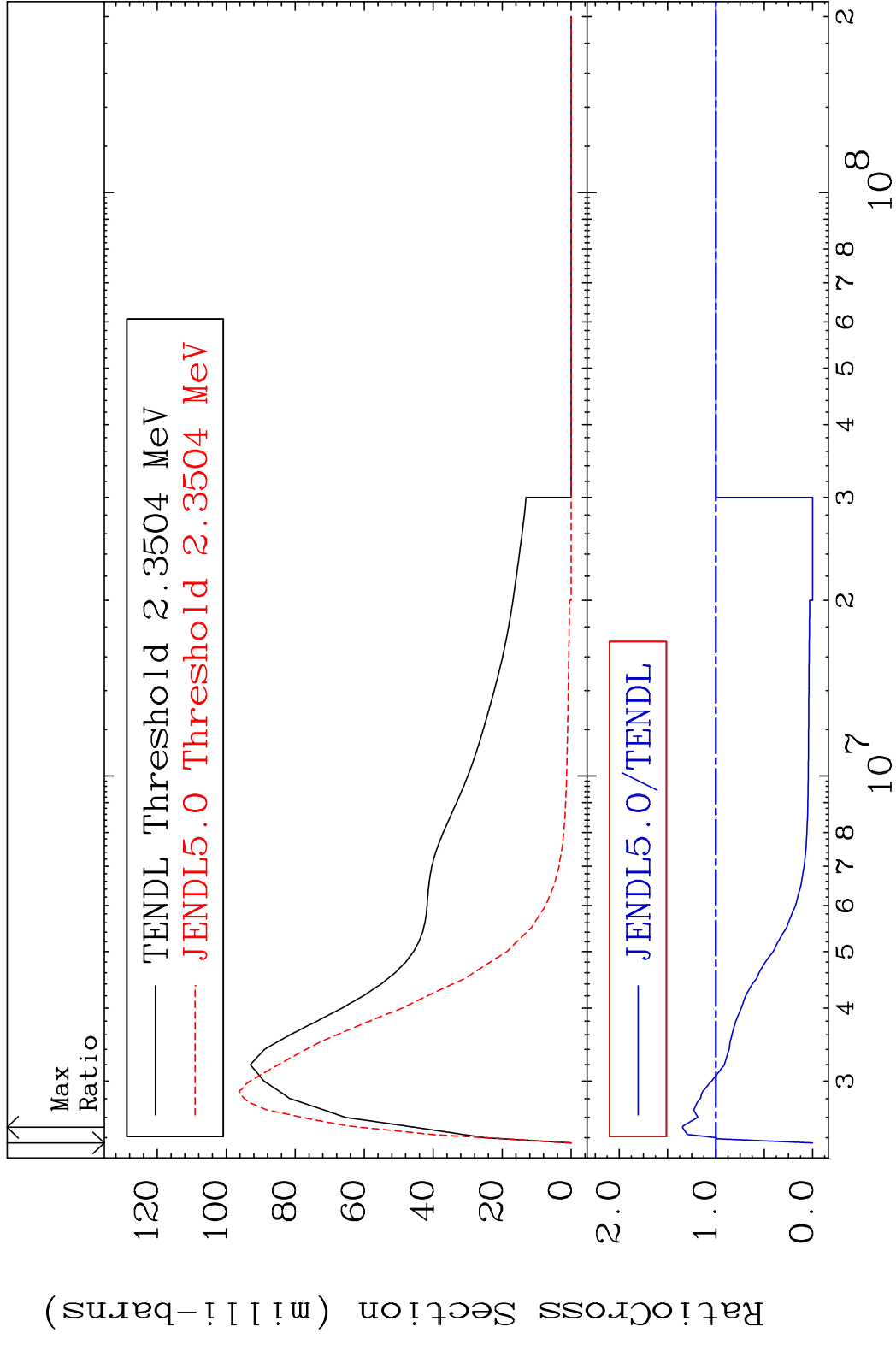
MAT 5055 MT= 54 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 35.68 %



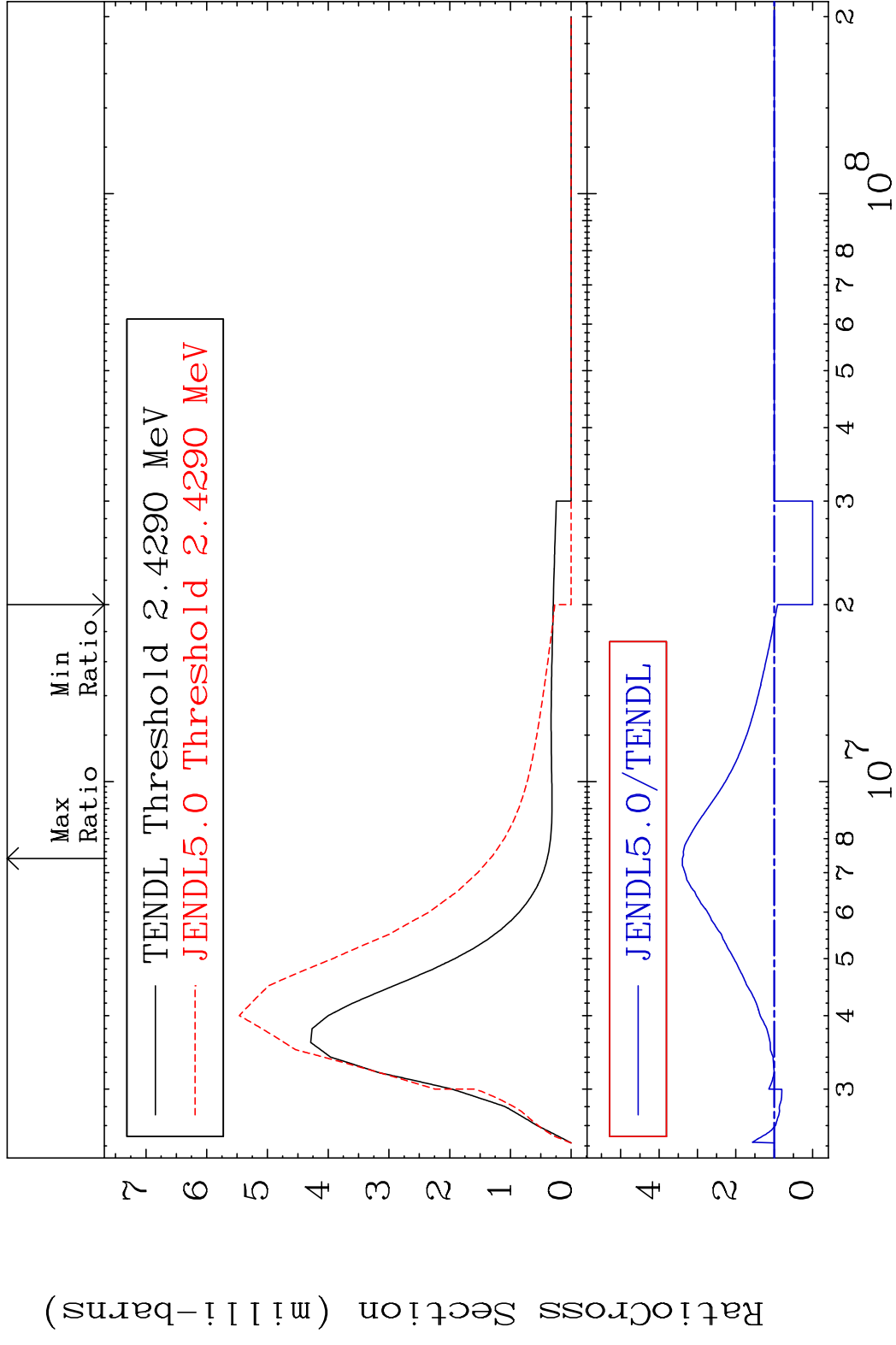
MAT 5055 MT= 55 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 219.0 %



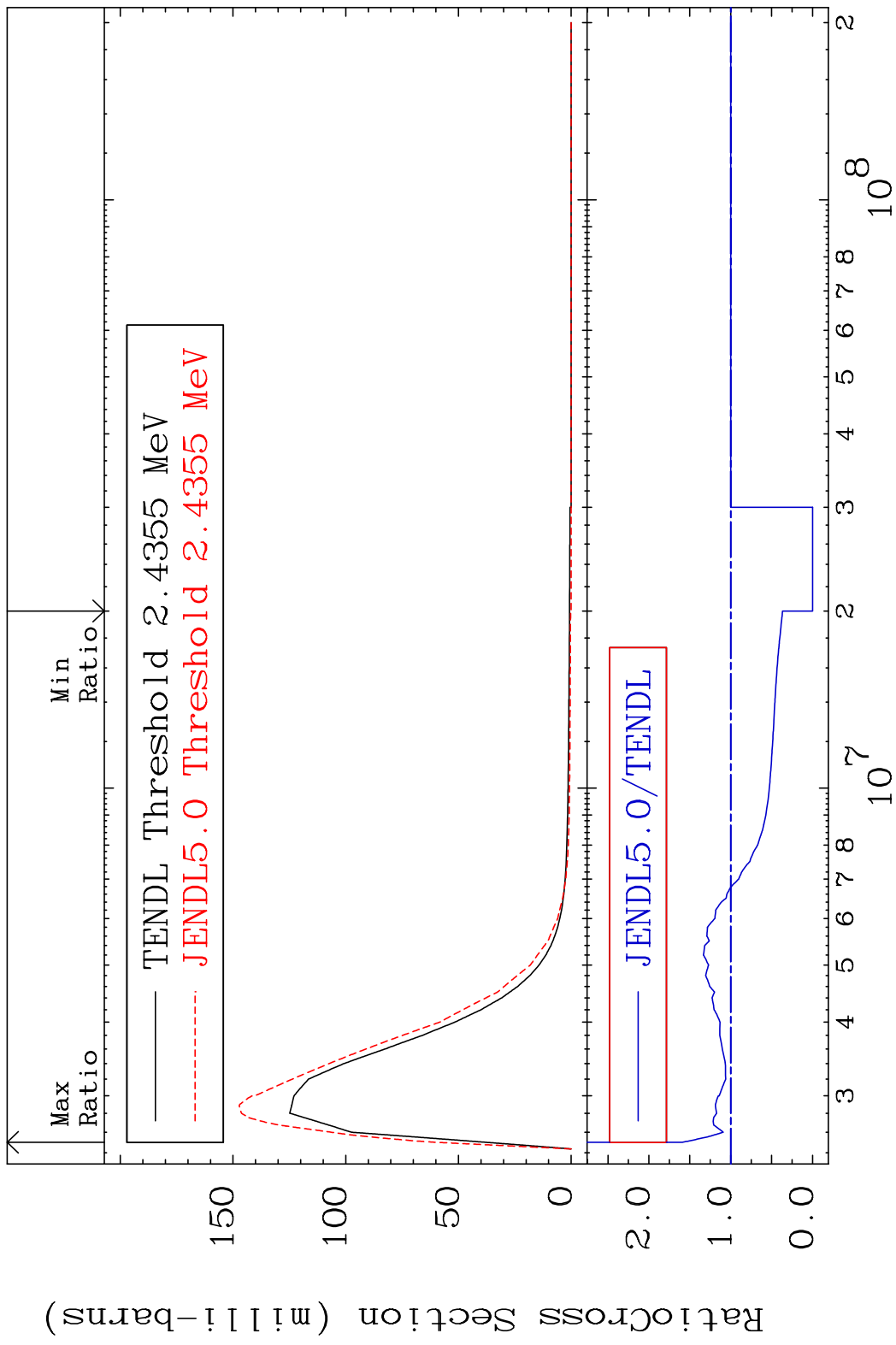
MAT 5055 MT= 56 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 34.76 %



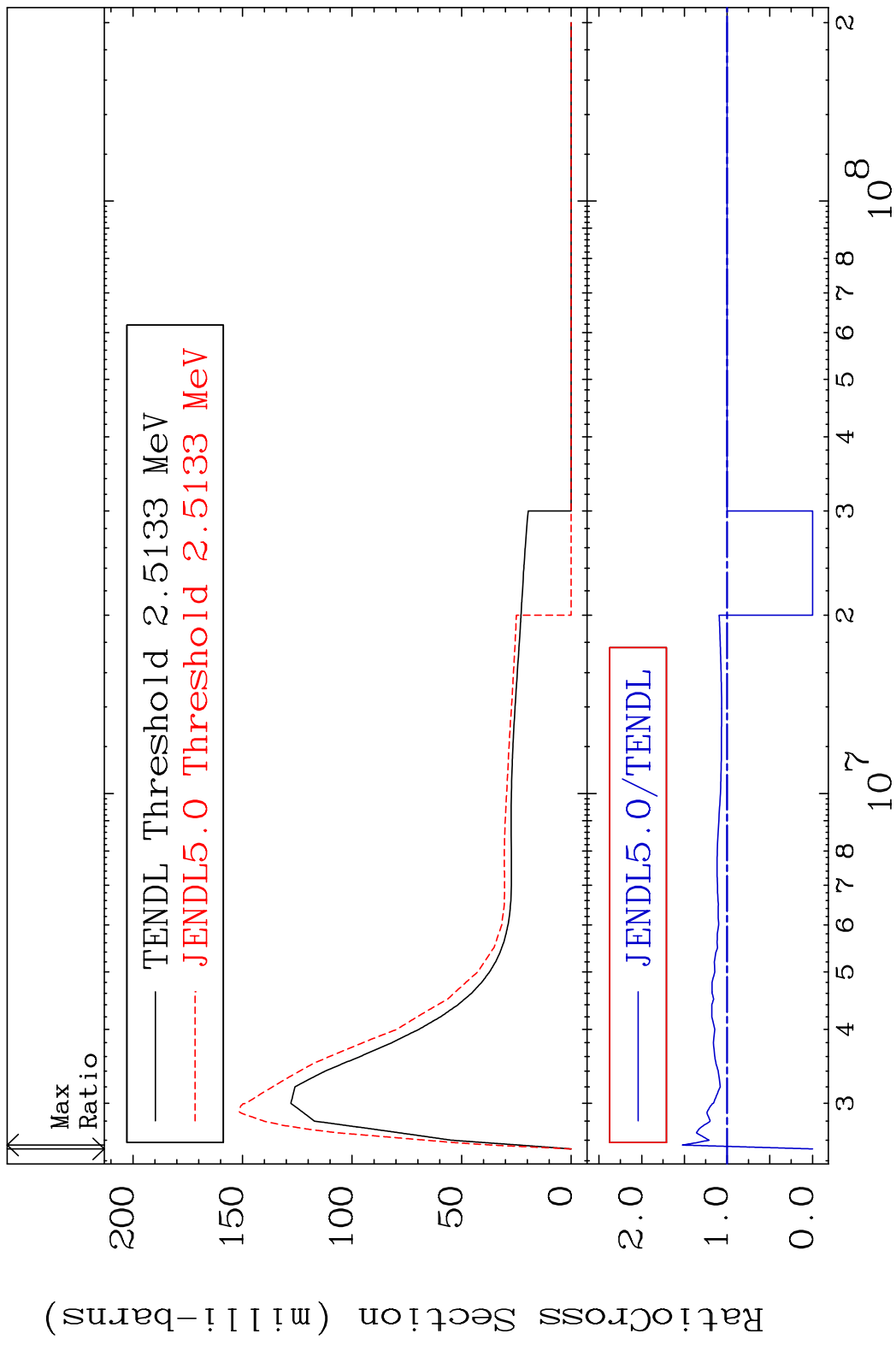
MAT 5055 MT= 57 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 239.3 %



MAT 5055 MT= 58 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 59.09 %

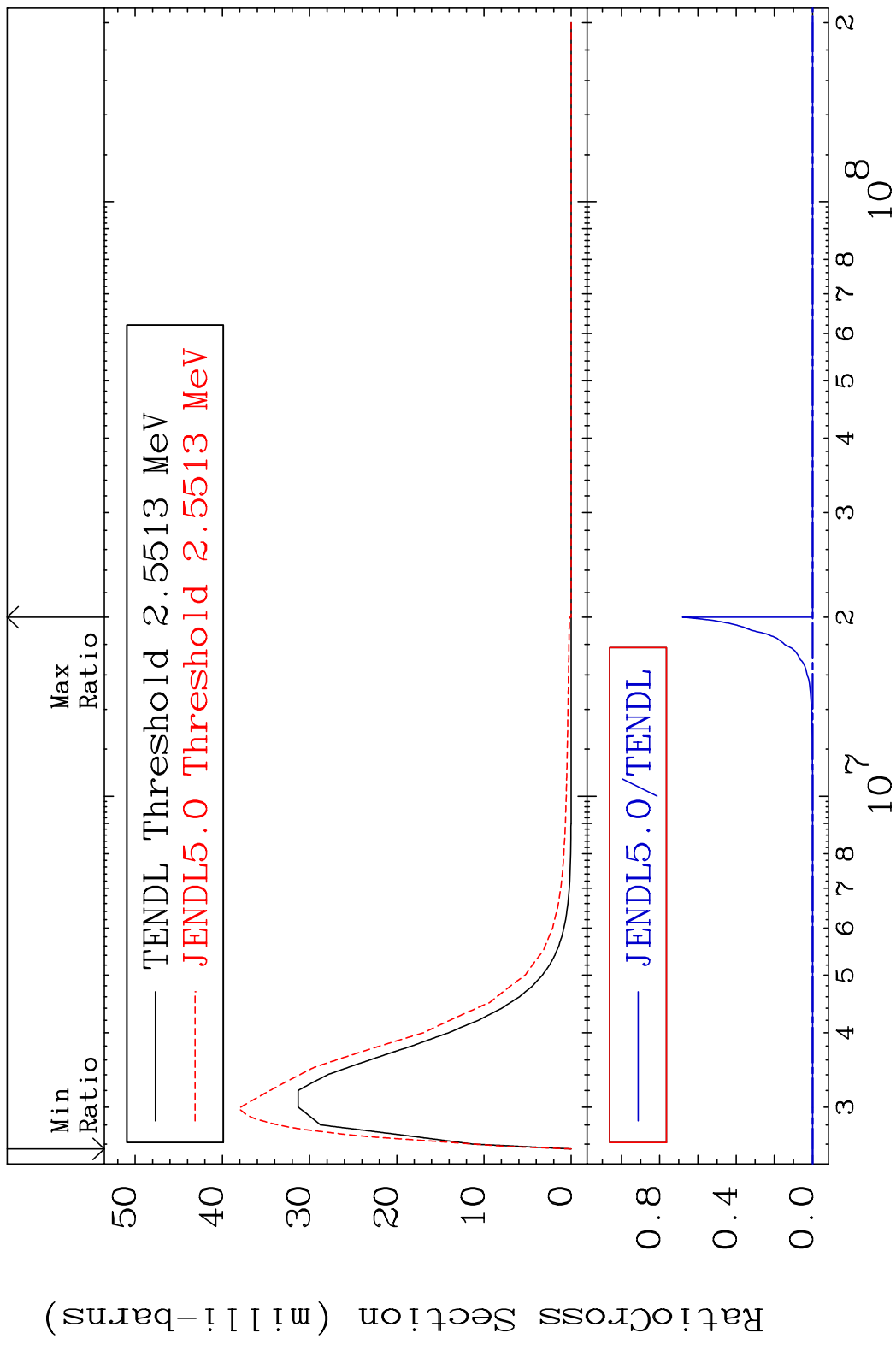


MAT 5055 MT= 59 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 52.40 %

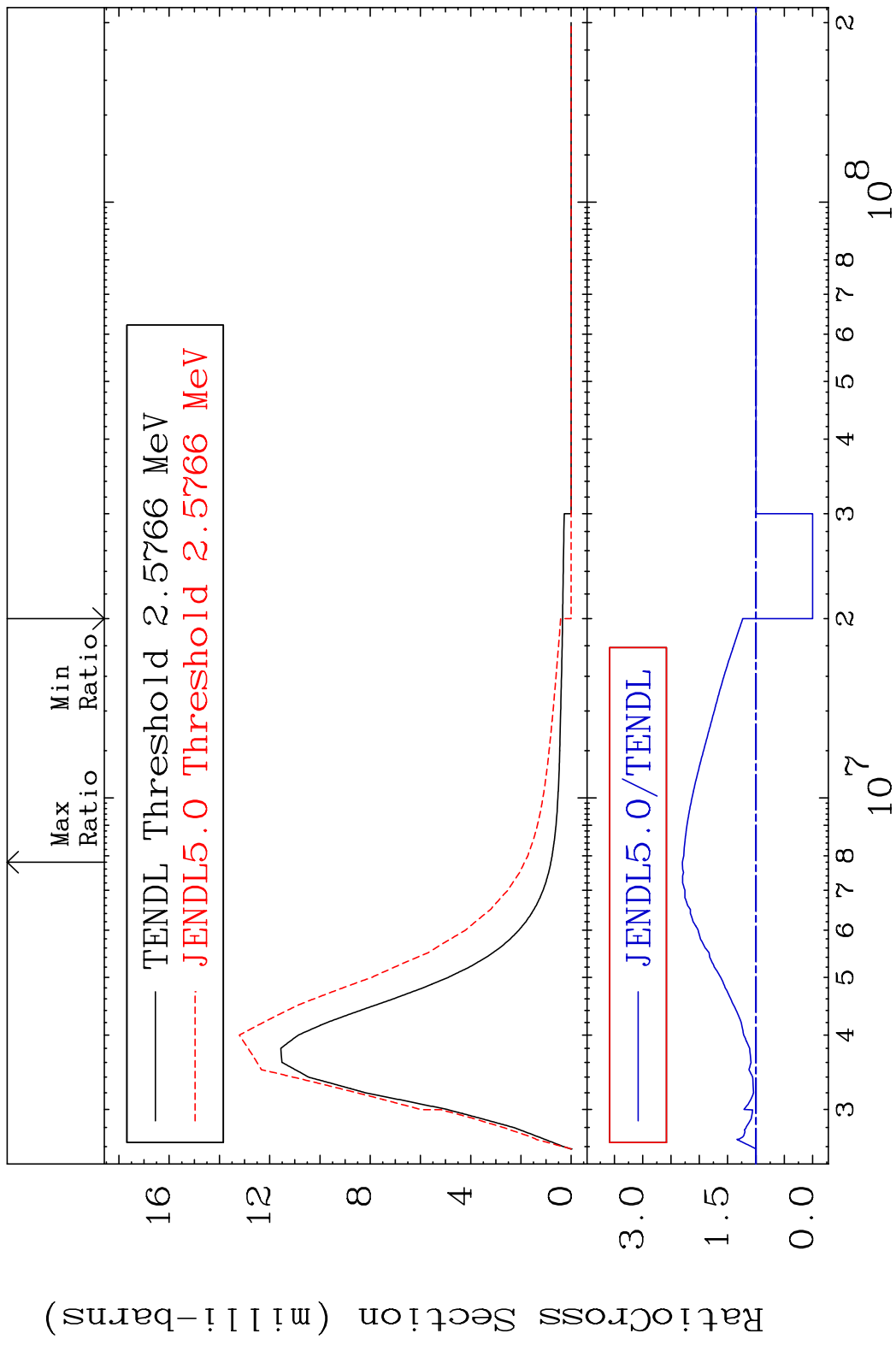


17 50-Sn-122

MAT 5055 MT= 60 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %

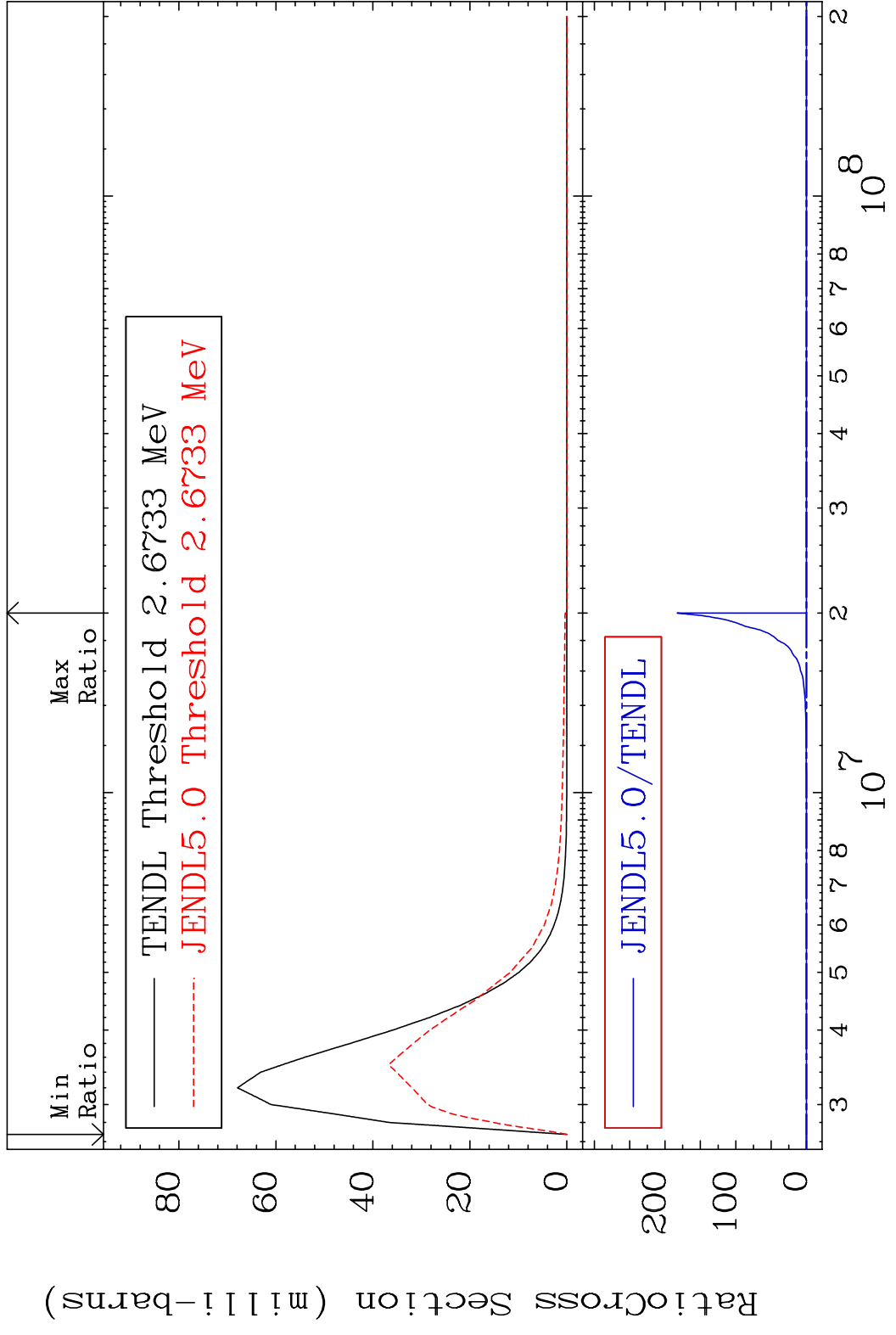


MAT 5055 MT= 61 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 130.0 %



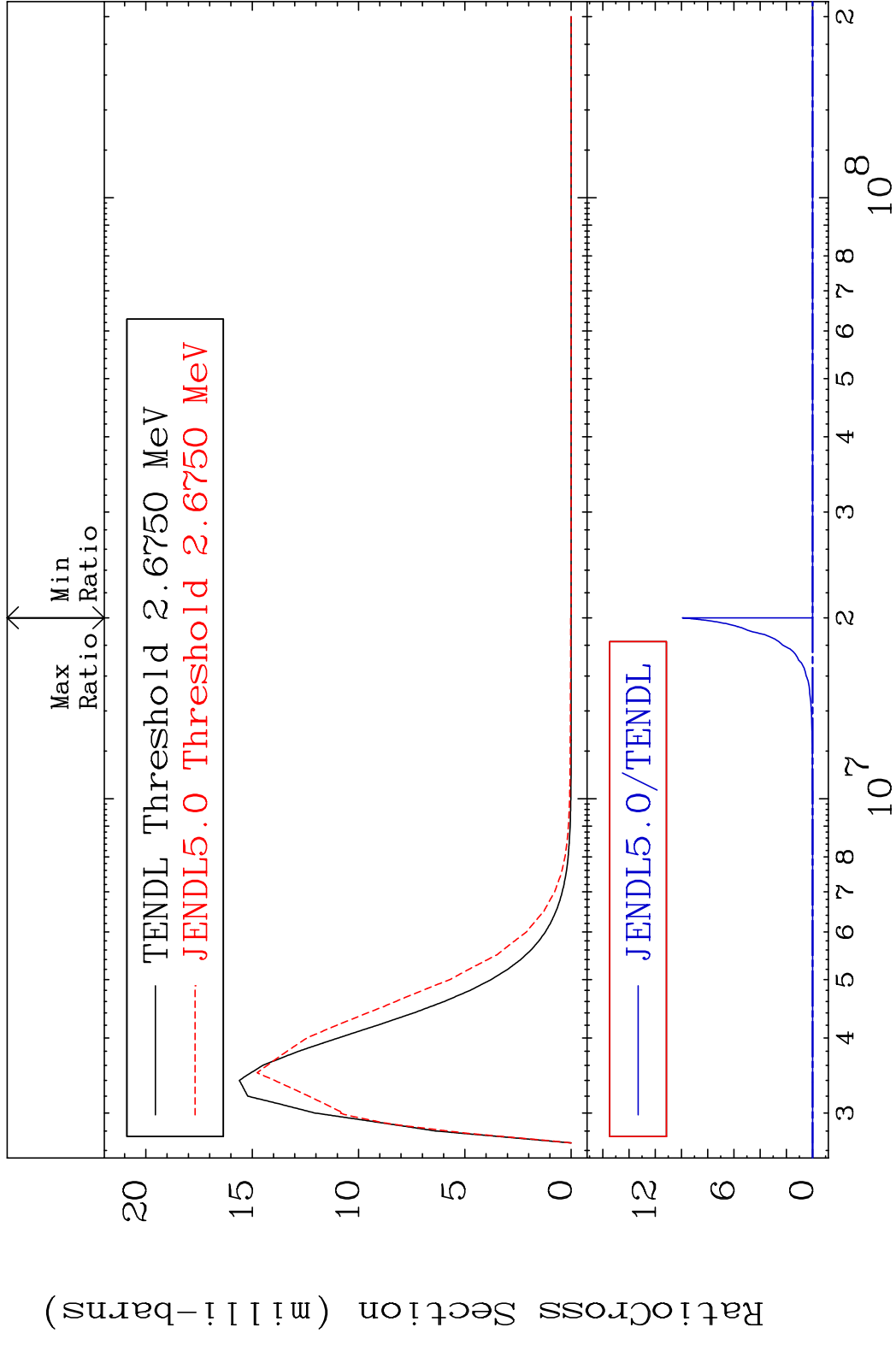
19 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 62 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %

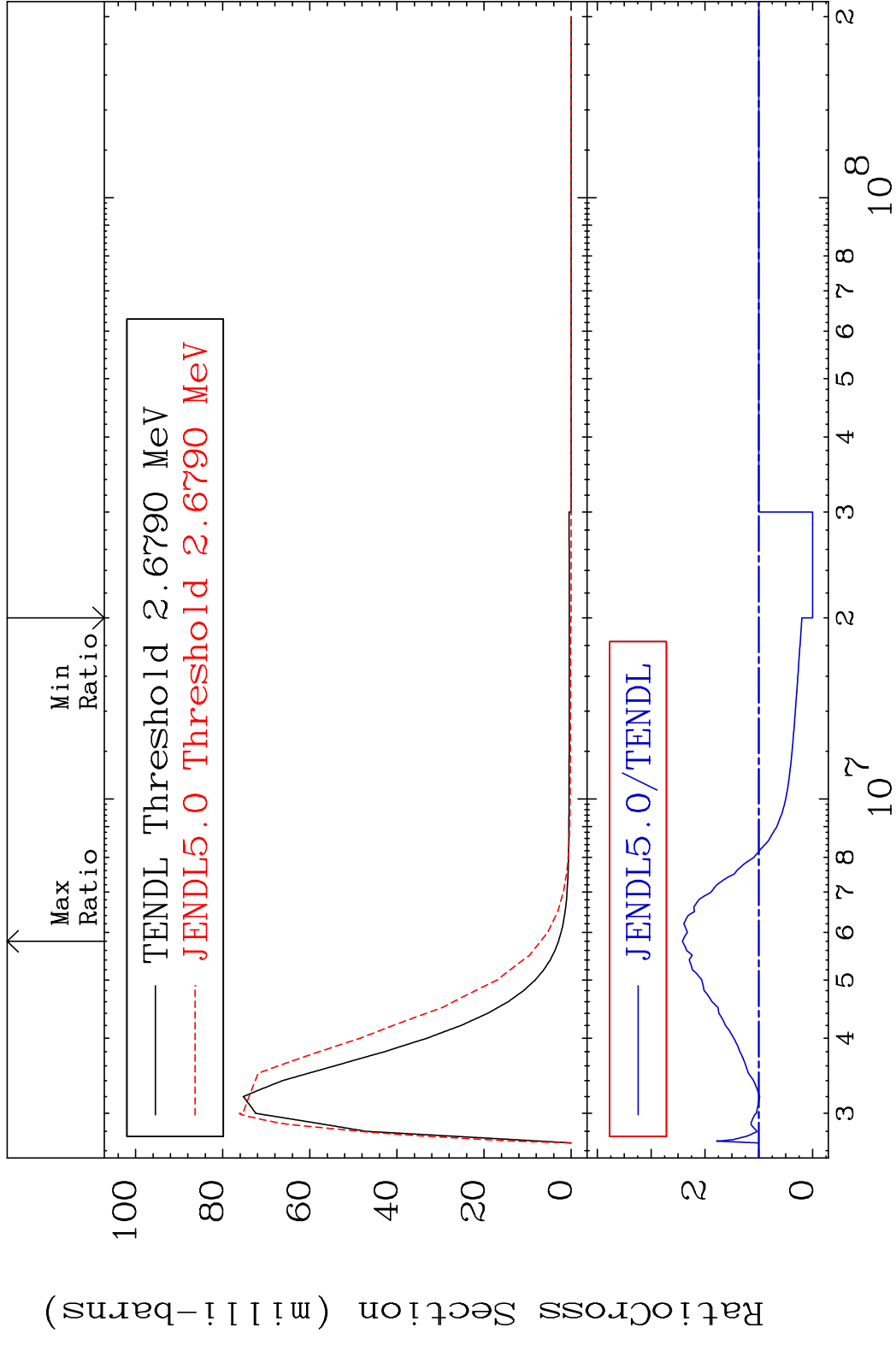


20 Incident Energy (eV) 50-Sn-122

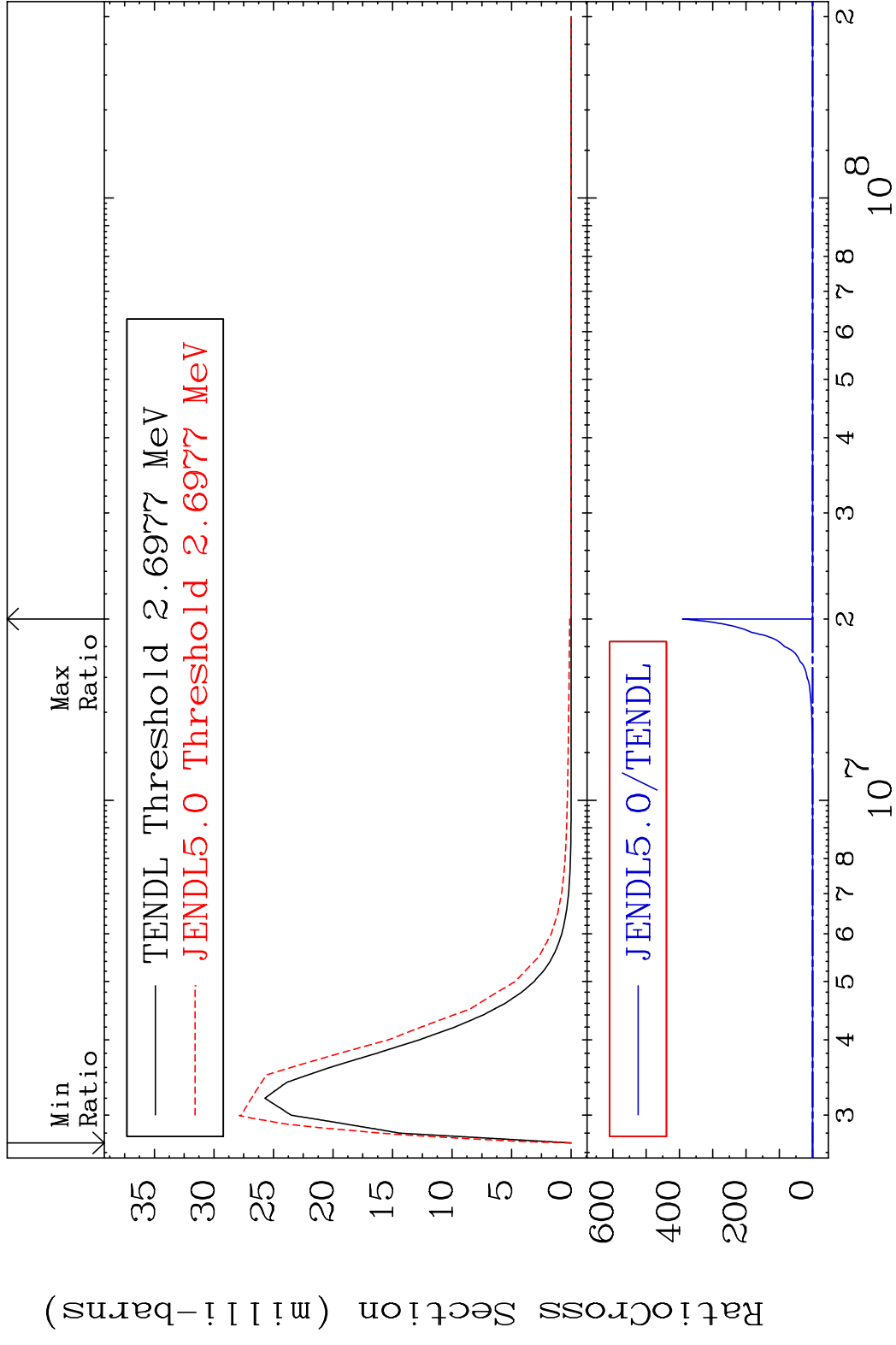
MAT 5055 MT= 63 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



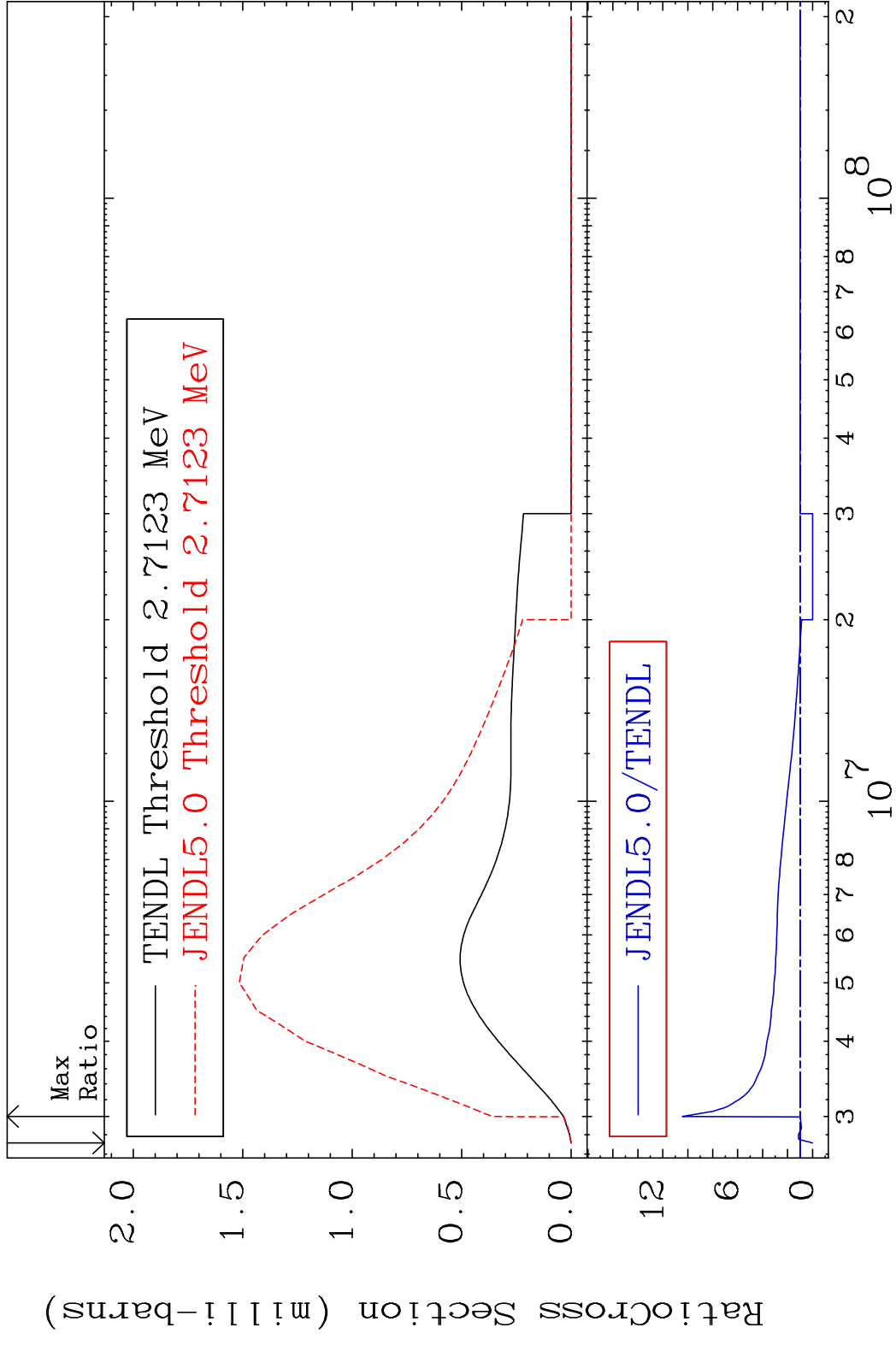
MAT 5055 MT= 64 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 141.9 %



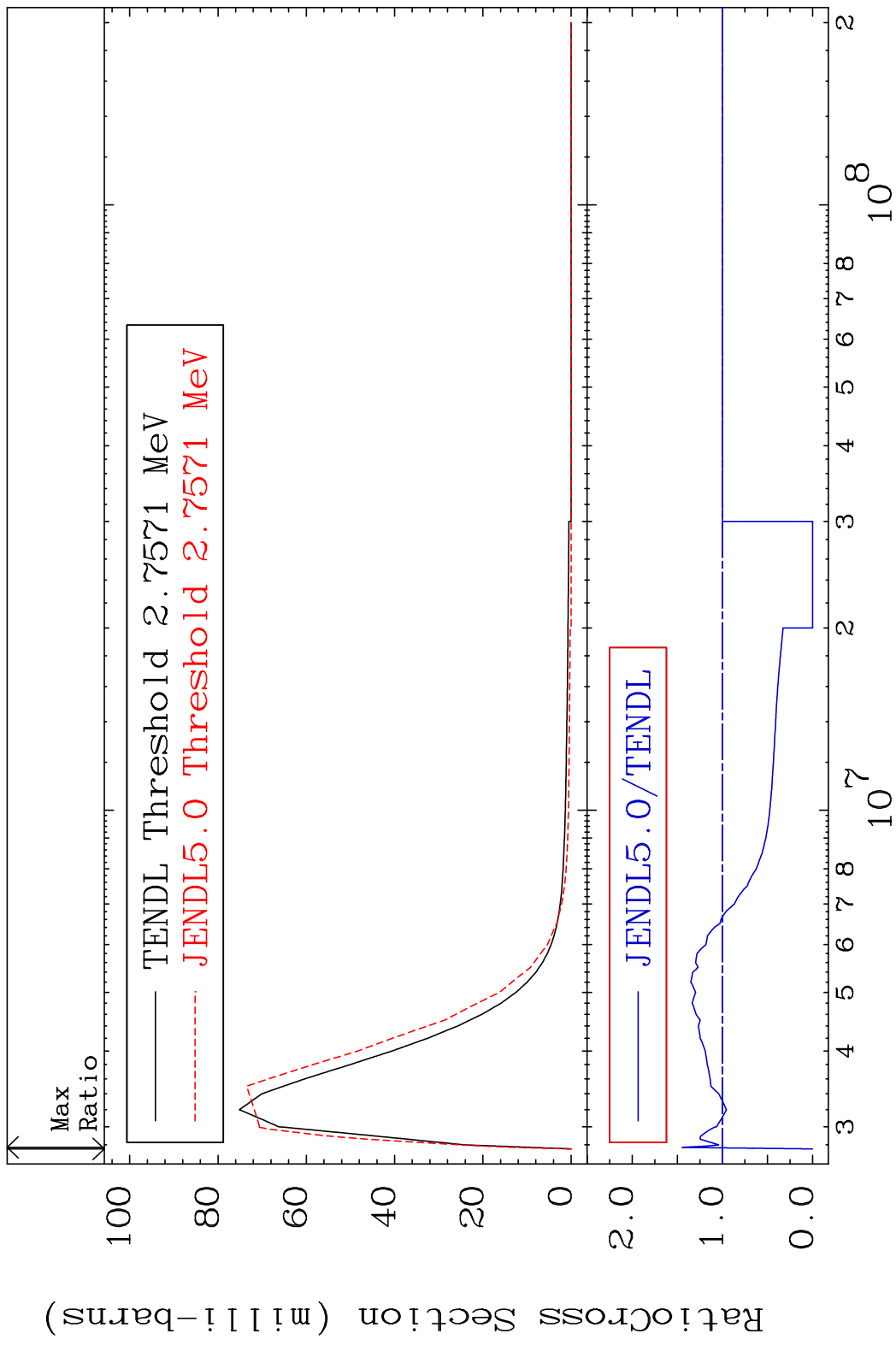
MAT 5055 MT= 65 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



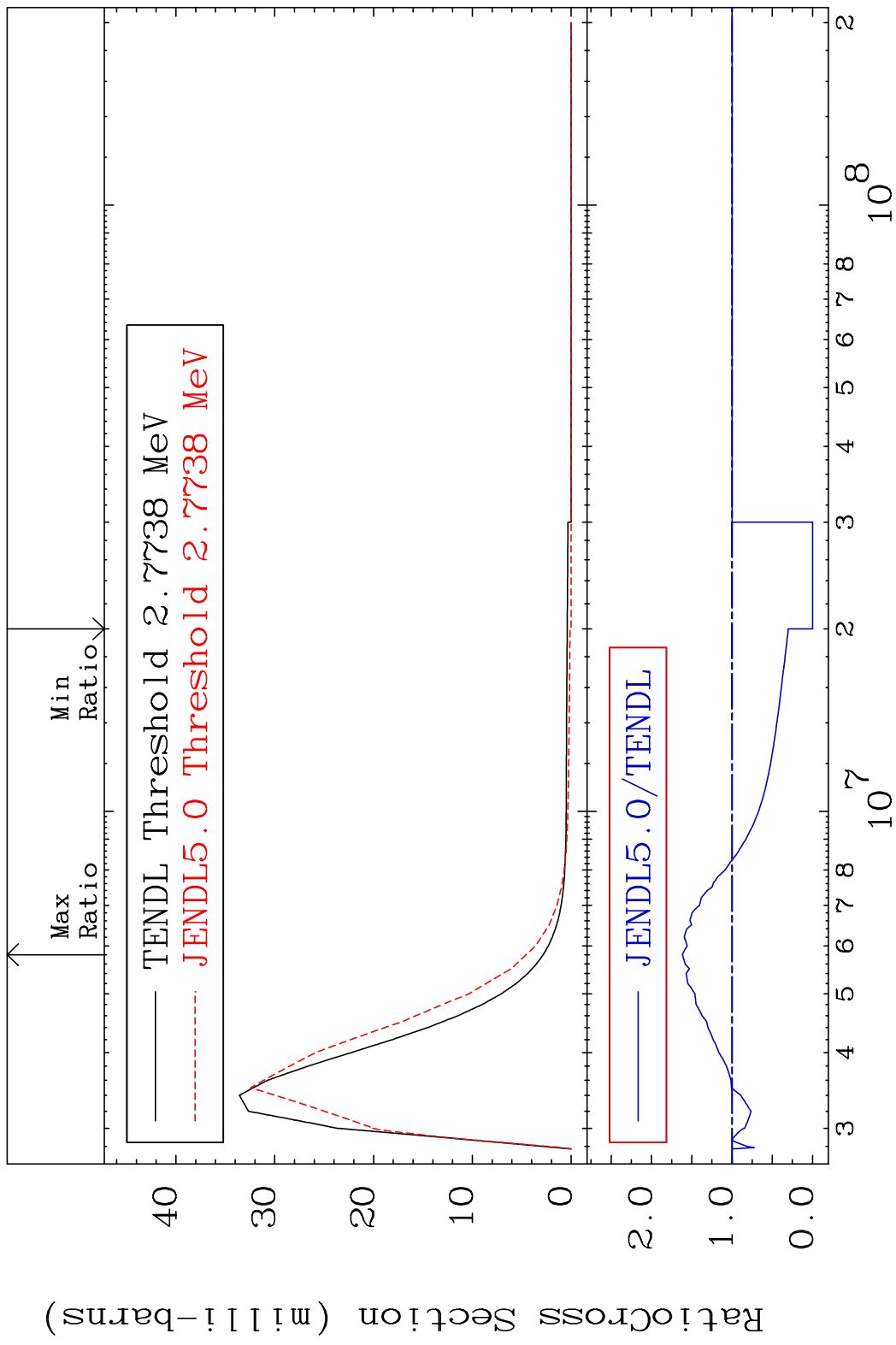
MAT 5055 MT= 66 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 943.2 %



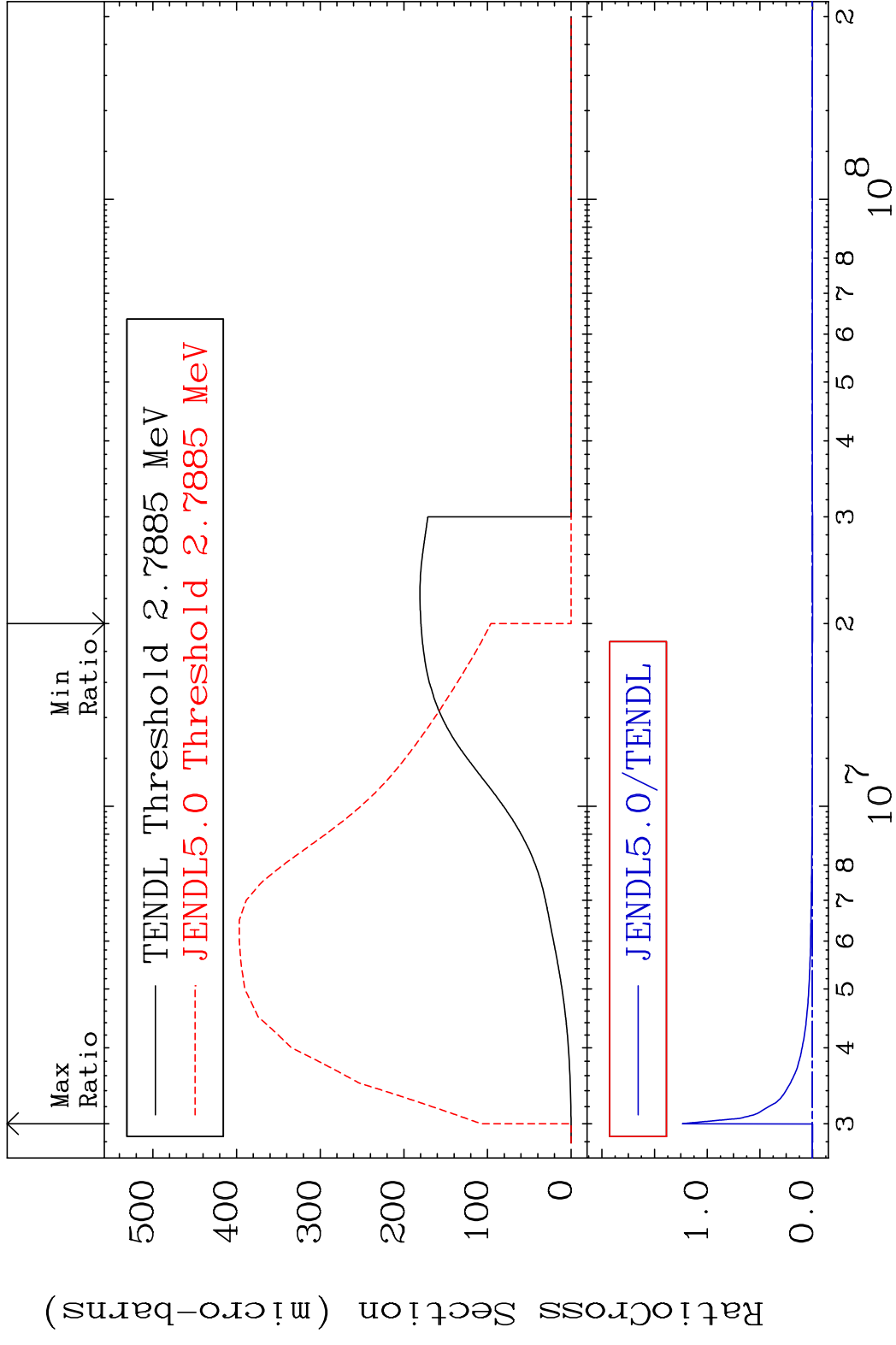
MAT 5055 MT= 67 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 44.45 %



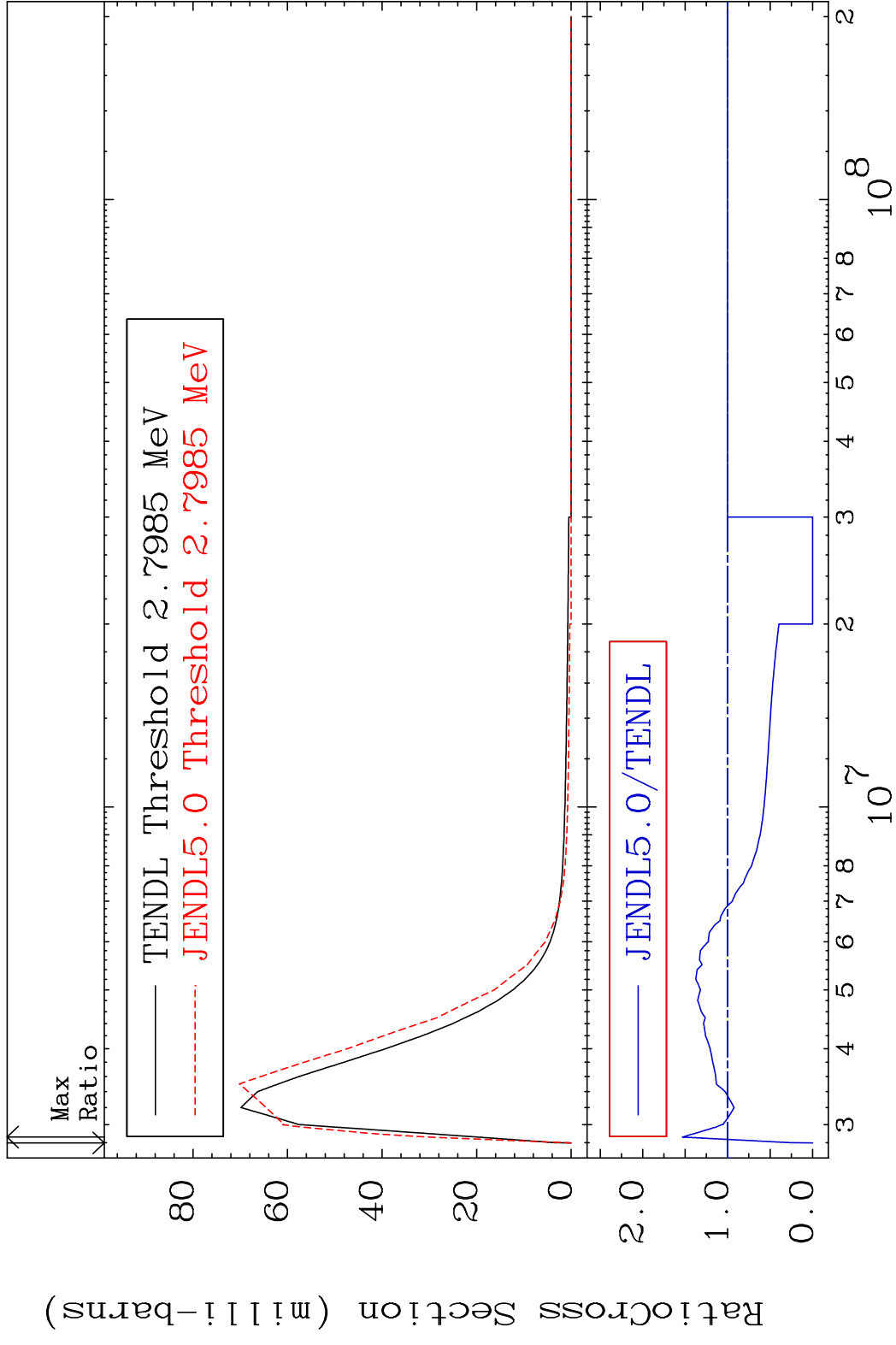
MAT 5055 MT= 68 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 61.64 %



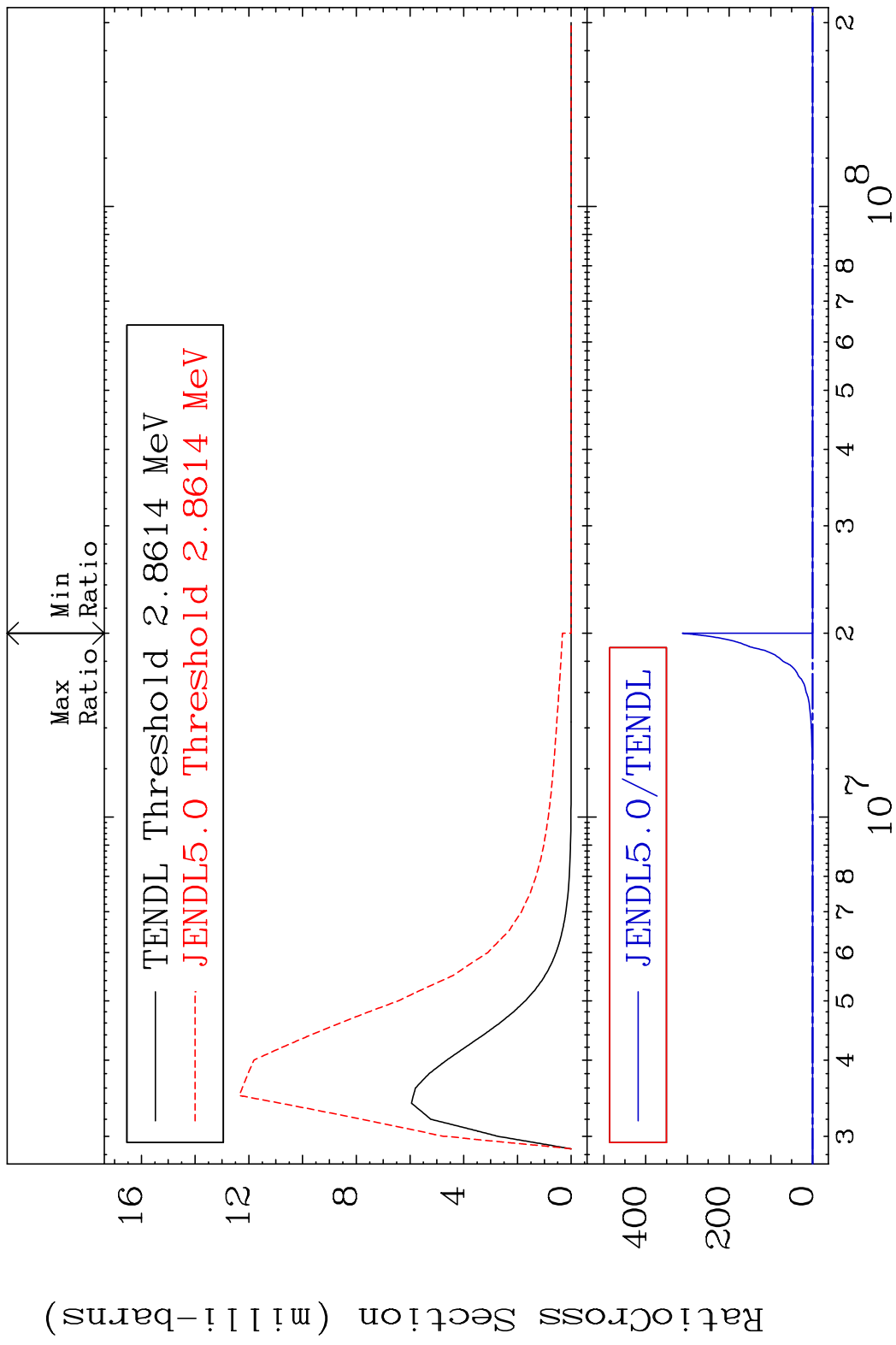
MAT 5055 MT= 69 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



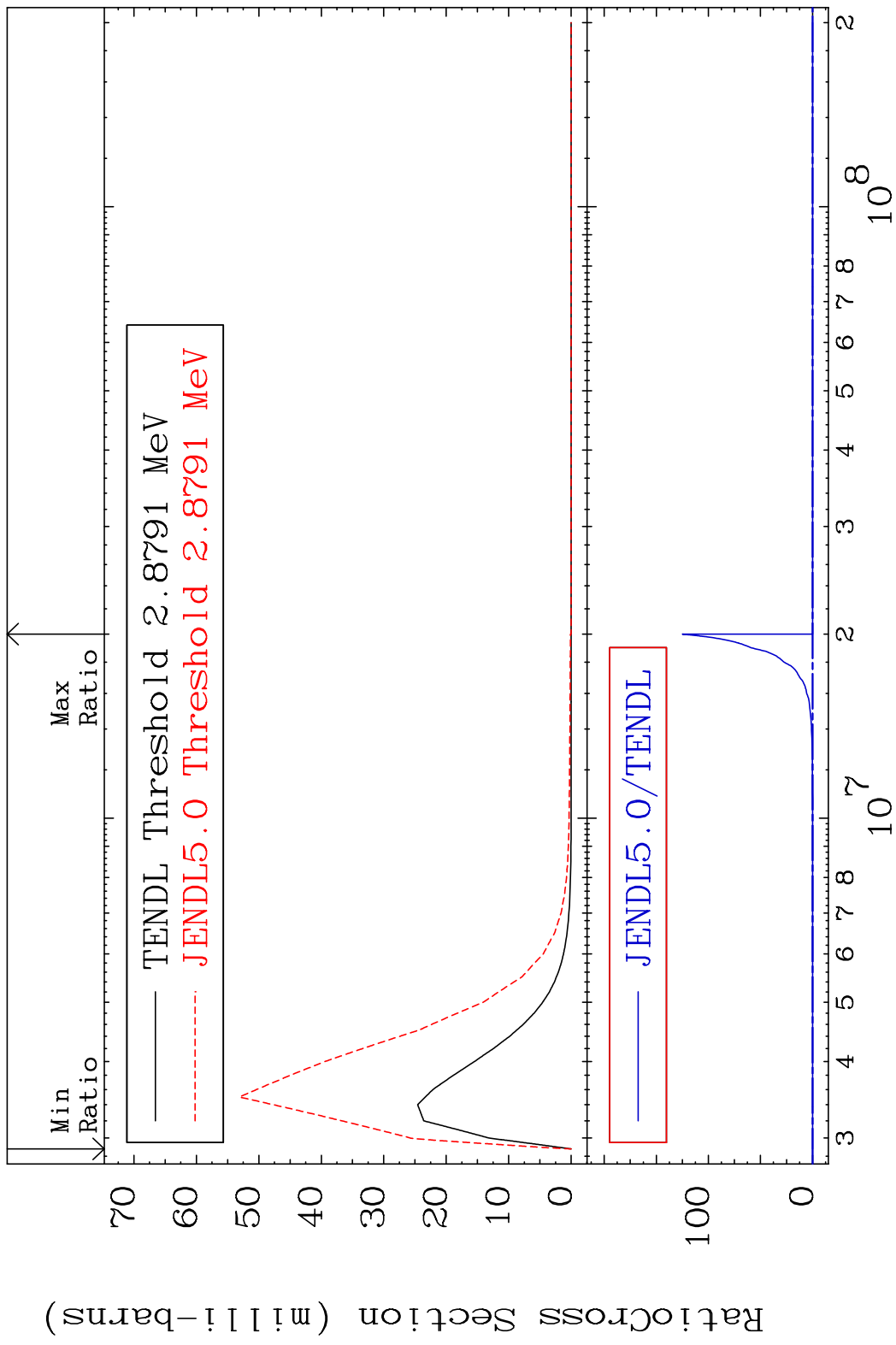
MAT 5055 MT= 70 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 53.29 %



MAT 5055 MT= 71 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



MAT 5055 MT= 72 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %

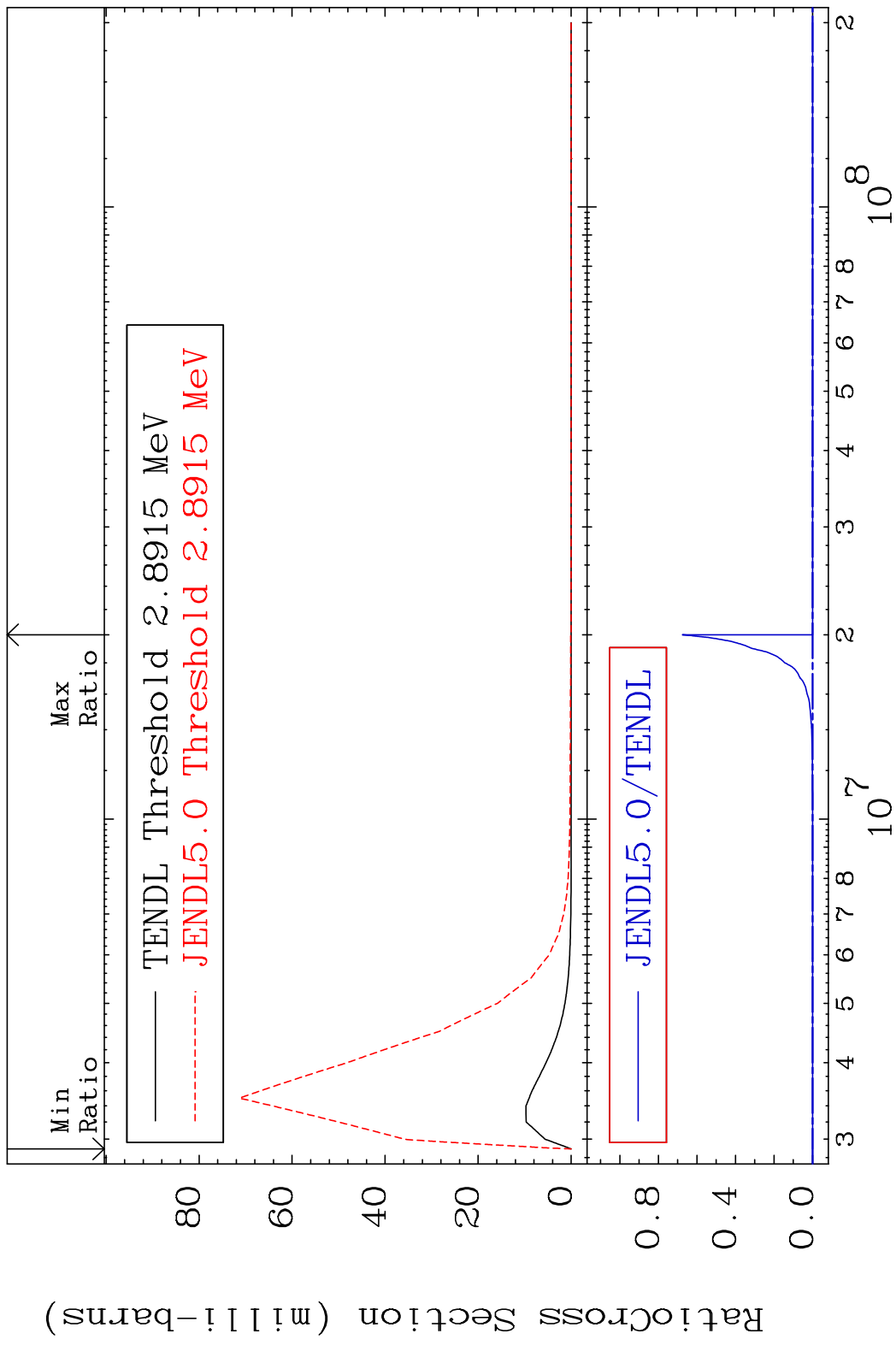


30

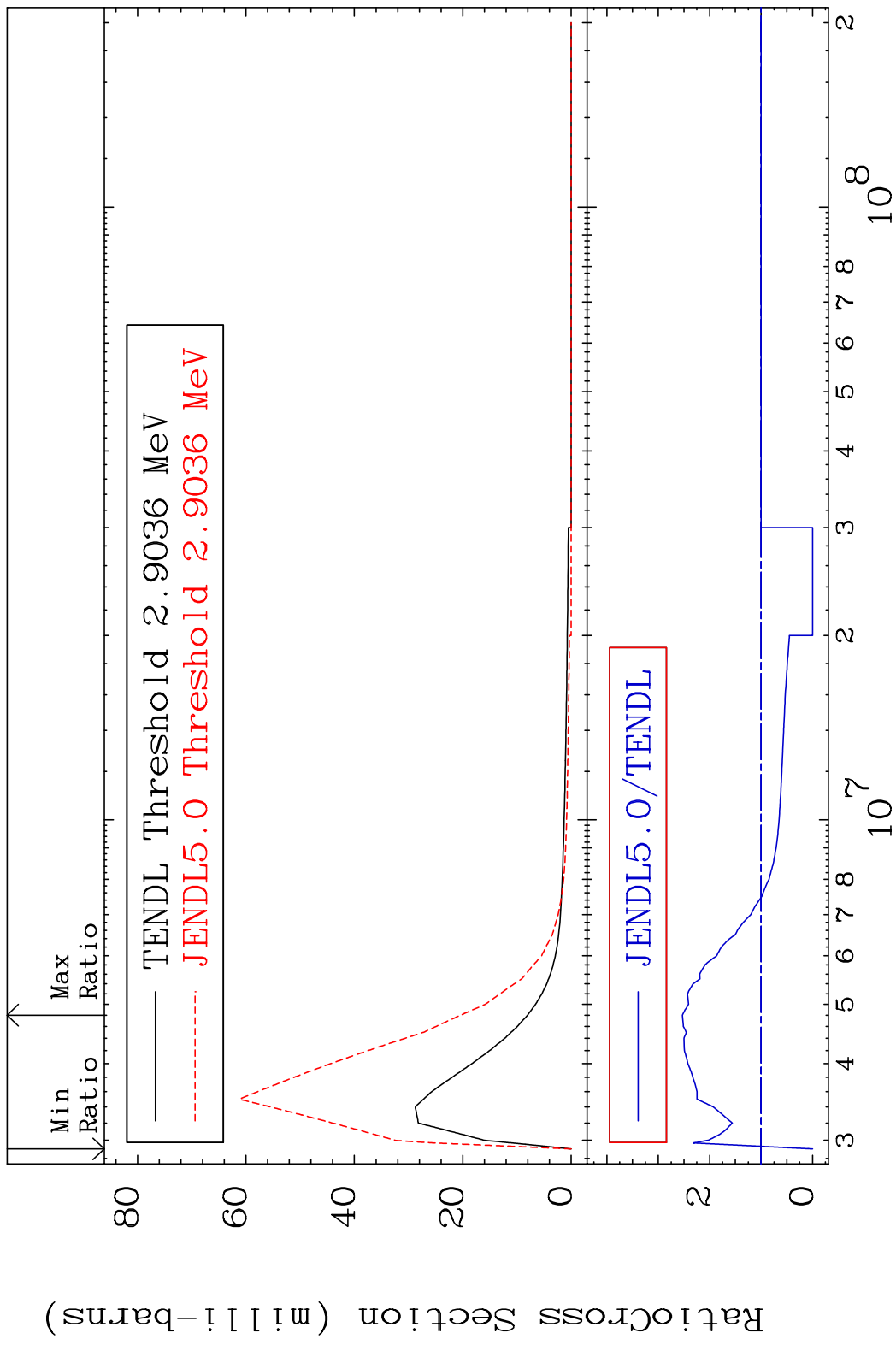
Incident Energy (eV)

50-Sn-122

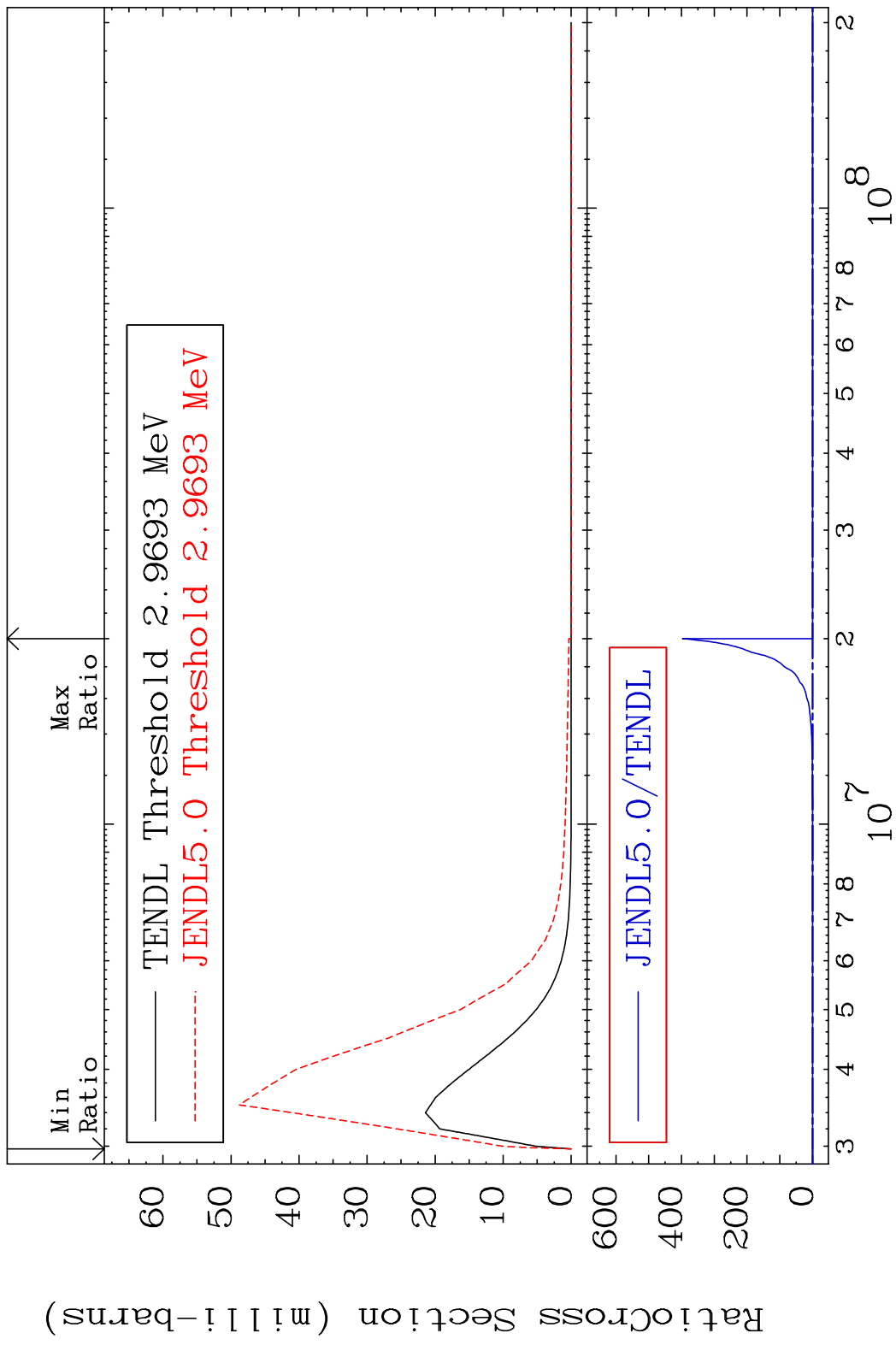
MAT 5055 MT= 73 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



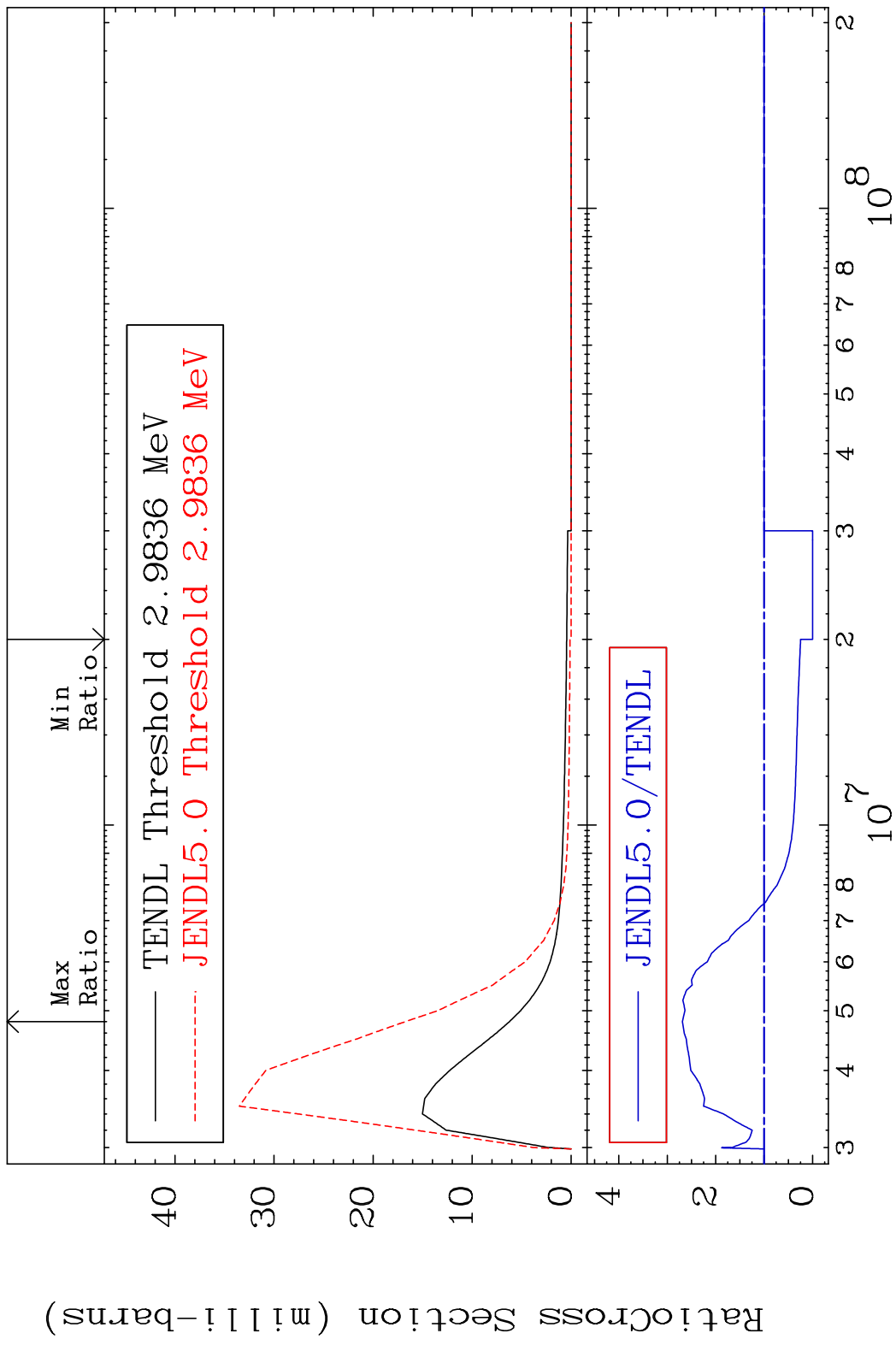
MAT 5055 MT= 74 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 153.1 %



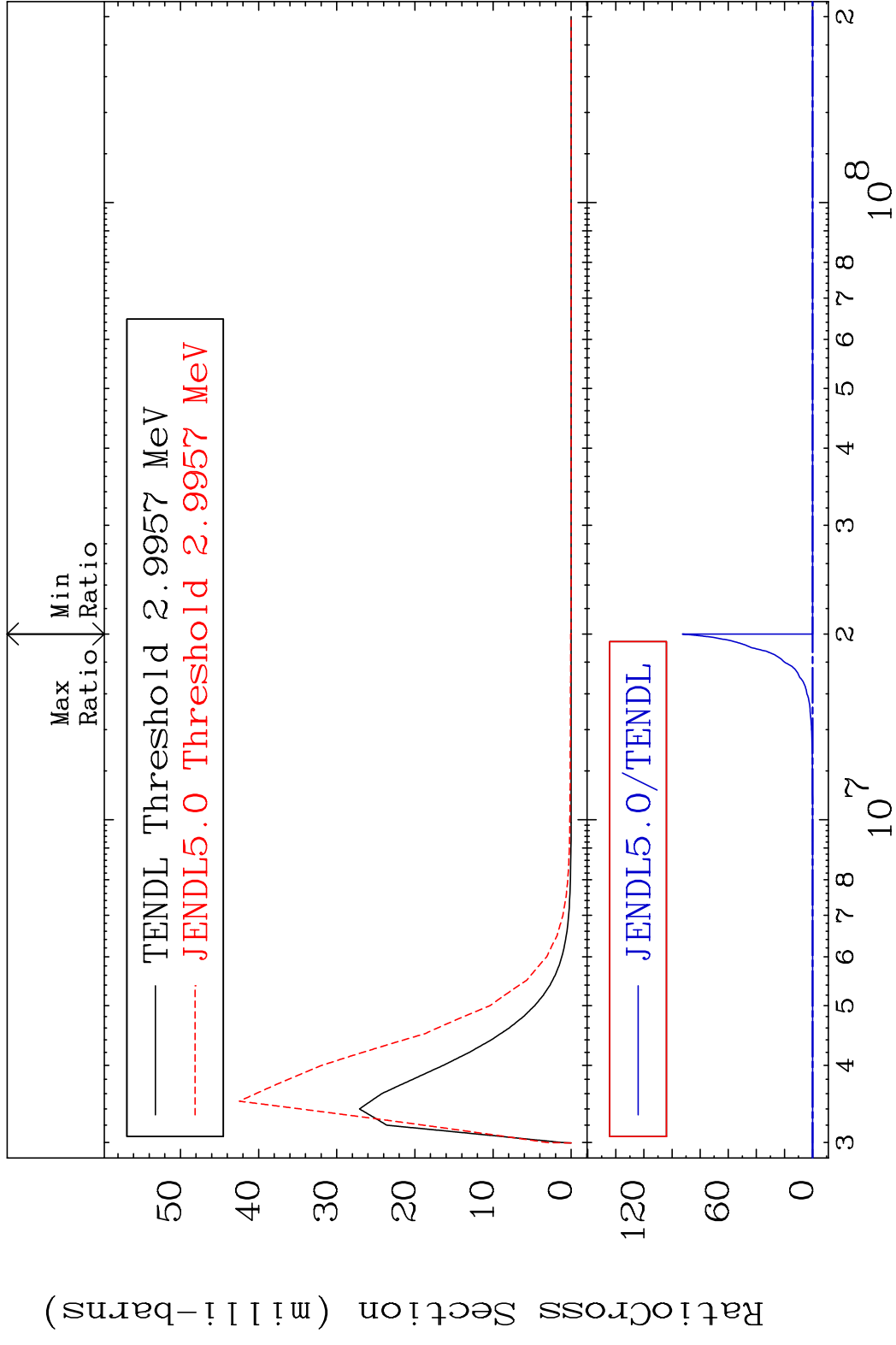
MAT 5055 MT= 75 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



MAT 5055 MT= 76 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 168.8 %

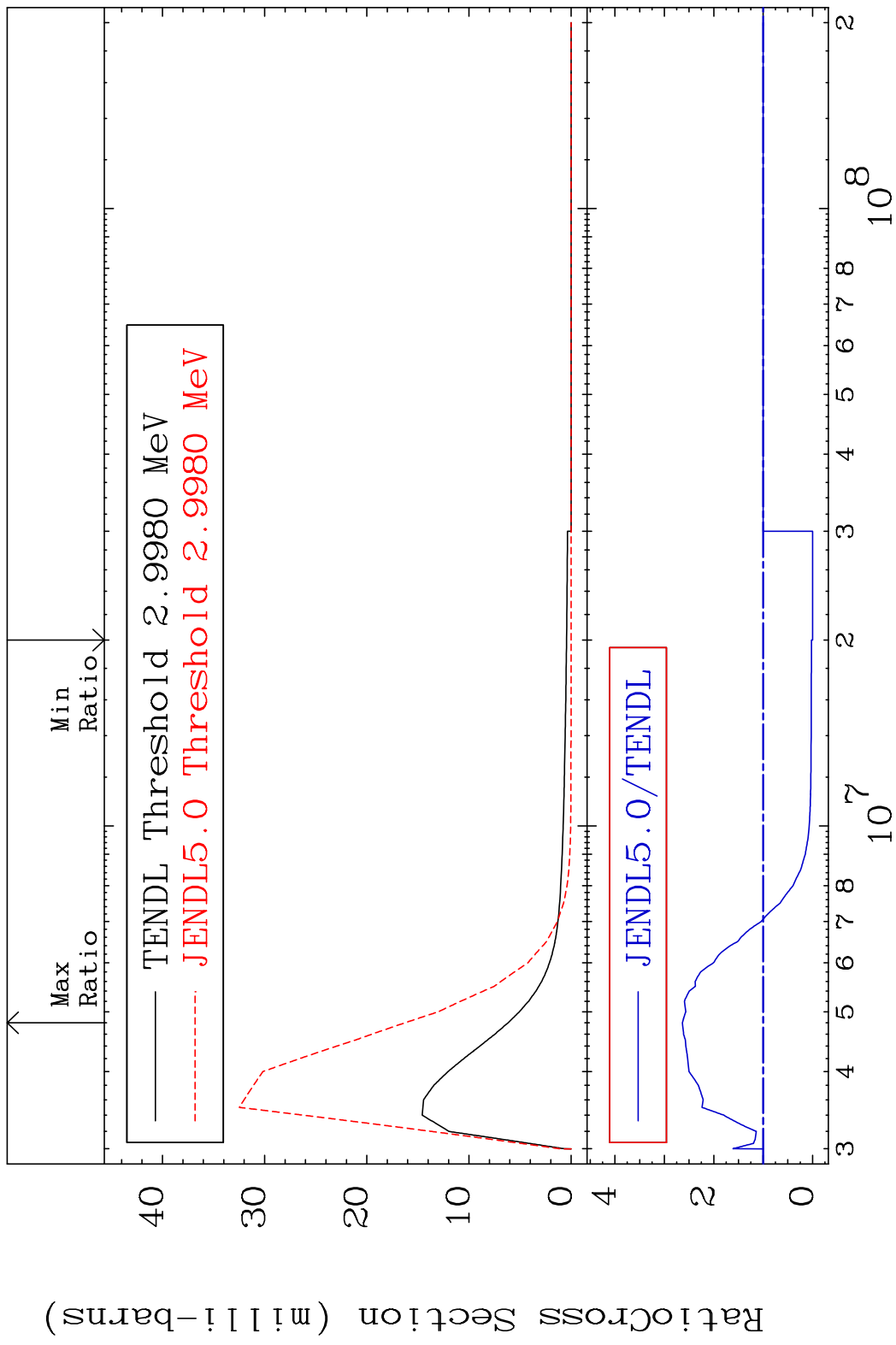


MAT 5055 MT= 77 (n, n') Level 50-Sn-122
 Cross Section -100.0 To 9999. %



35 Incident Energy (eV) 50-Sn-122

MAT 5055 MT= 78 (n,n') Level 50-Sn-122
 Cross Section -100.0 To 163.6 %



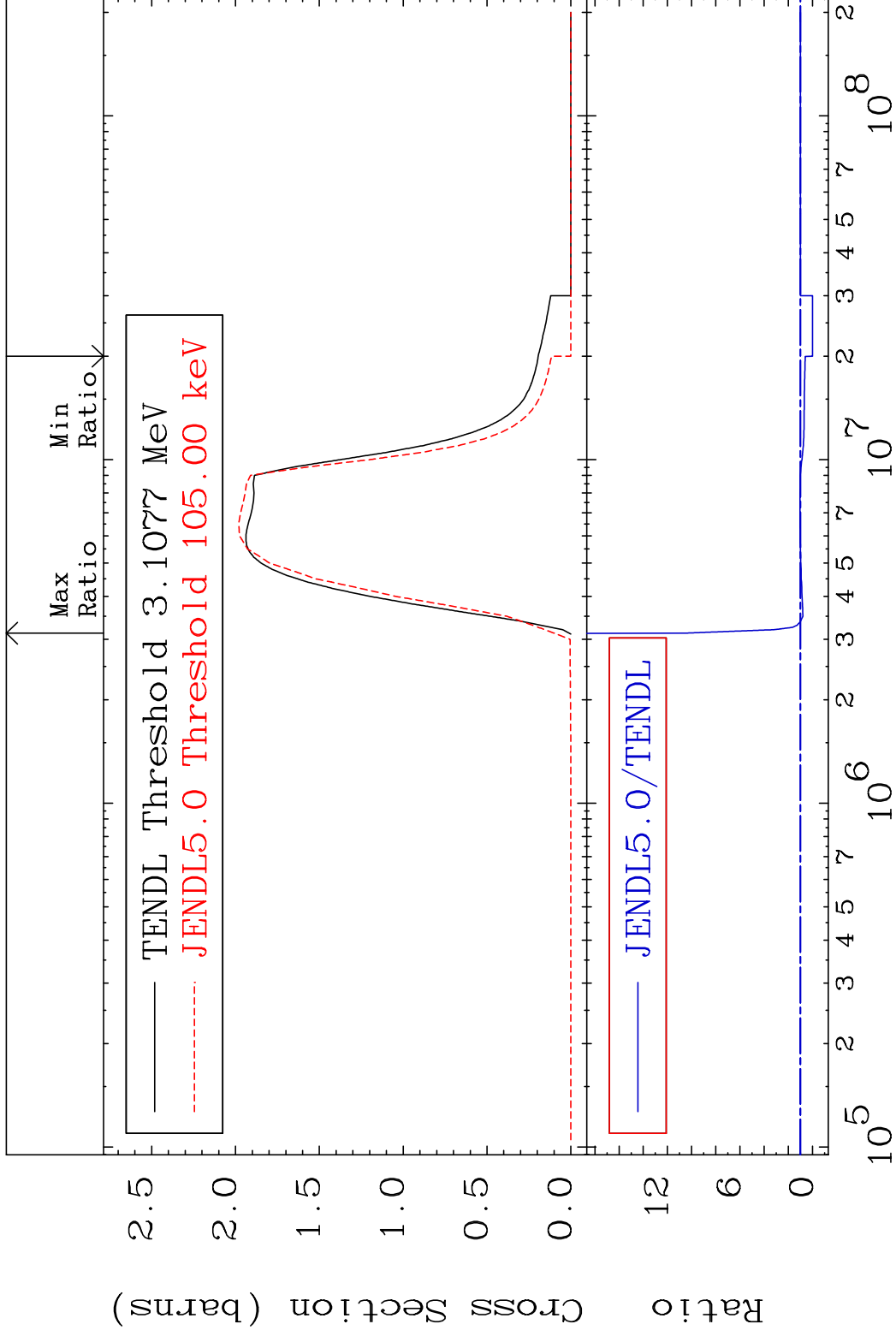
MAT 5055

(n, n') Continuum

50-Sn-122

Cross Section

-100.0 To 978.3 %



37

Incident Energy (eV)

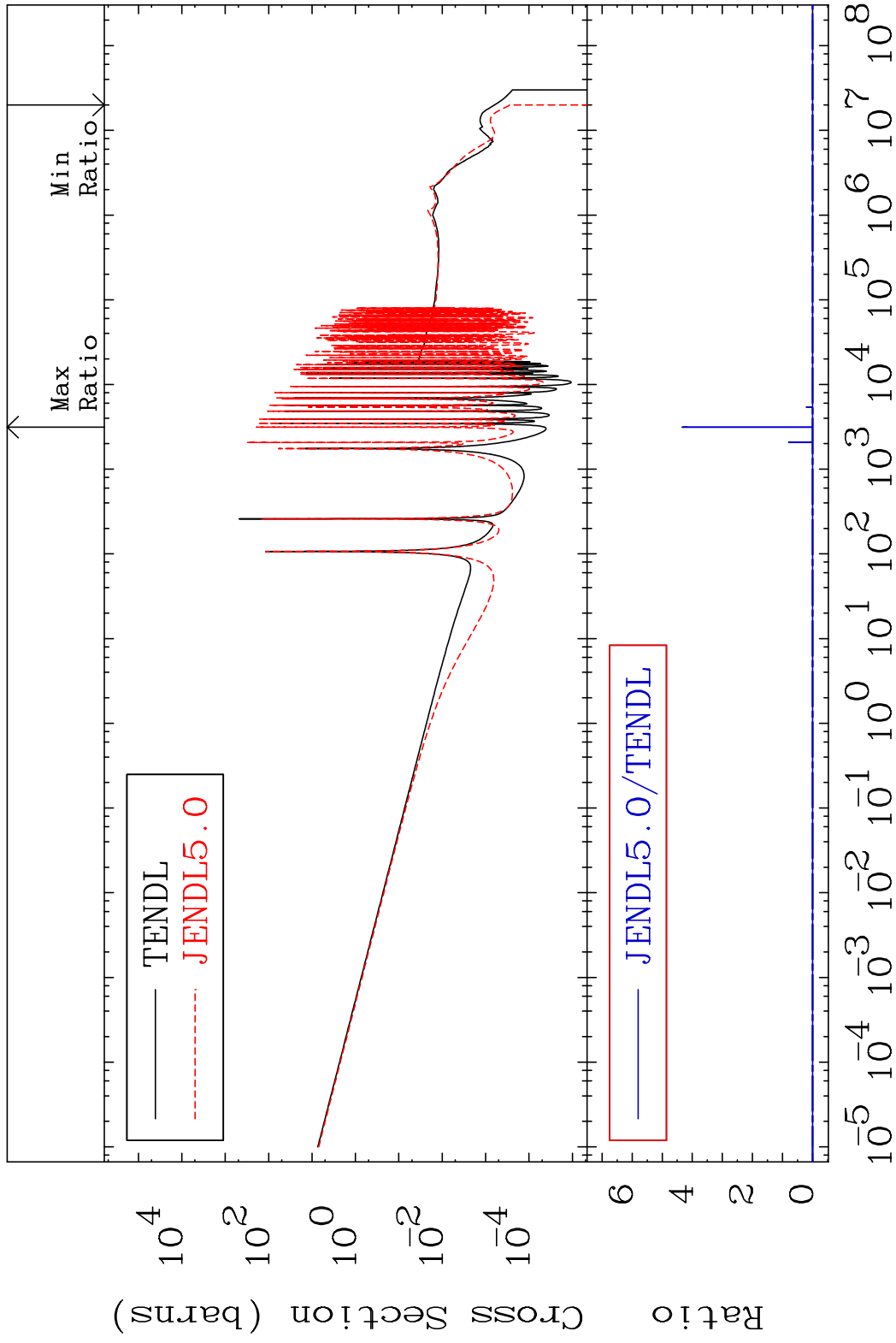
50-Sn-122

MAT 5055

(n, γ)

50-Sn-122

Cross Section -100.0 To 9999. %

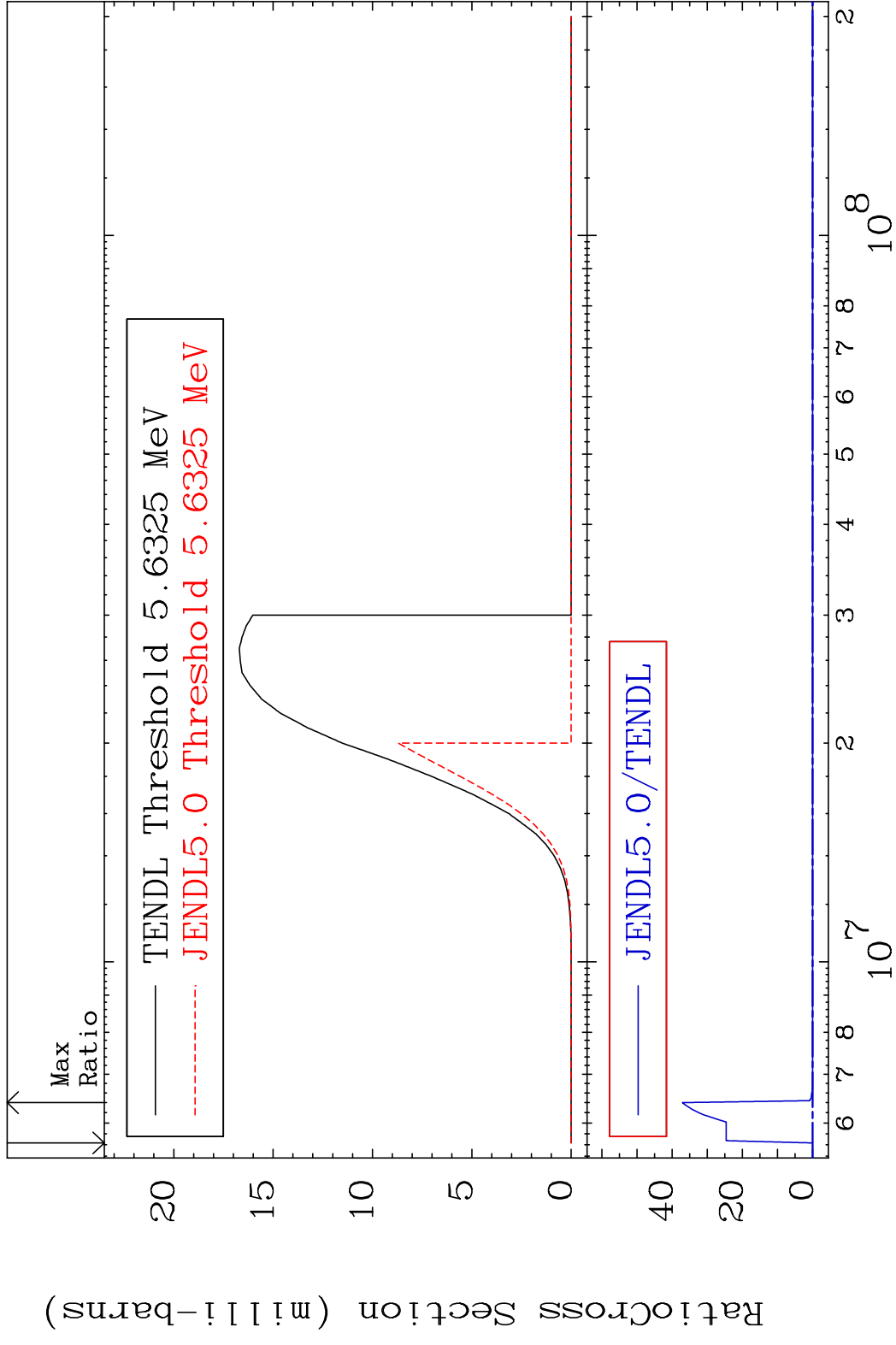


38

Incident Energy (eV)

50-Sn-122

MAT 5055 (n,p) 50-Sn-122
 Cross Section -100.0 To 9999. %

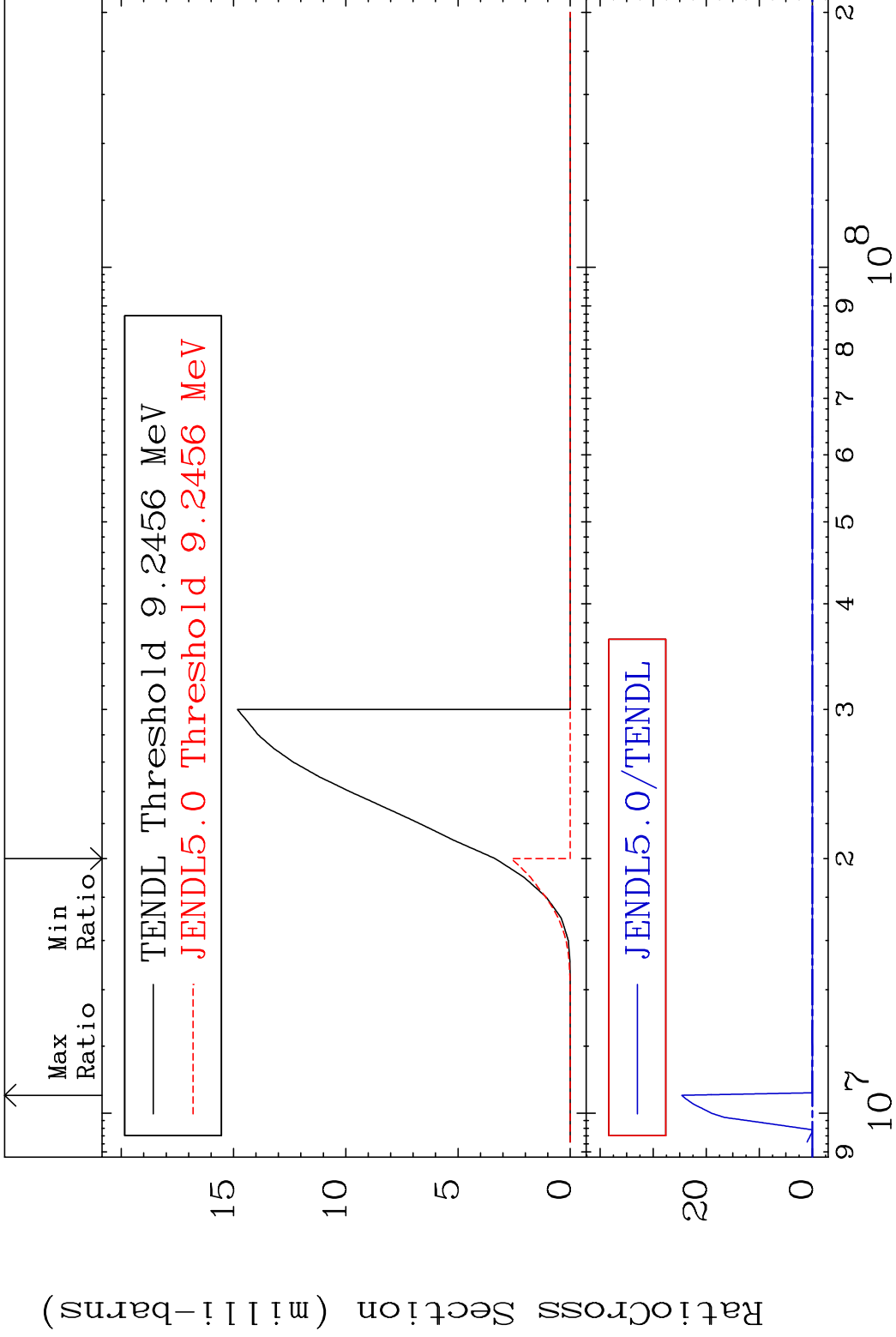


MAT 5055

(n,d)

50-Sn-122

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

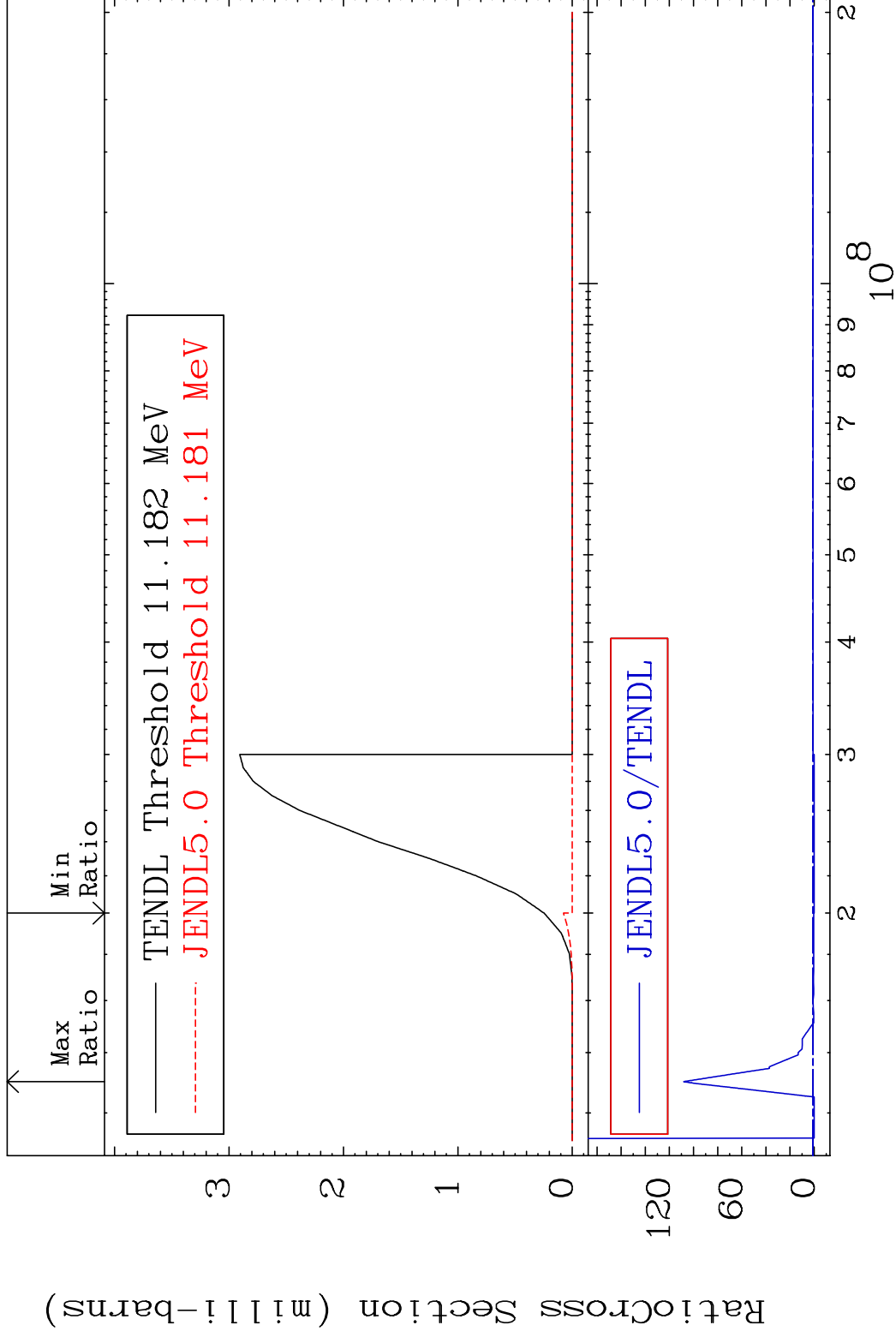
50-Sn-122

MAT 5055

(n, t)

50-Sn-122

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

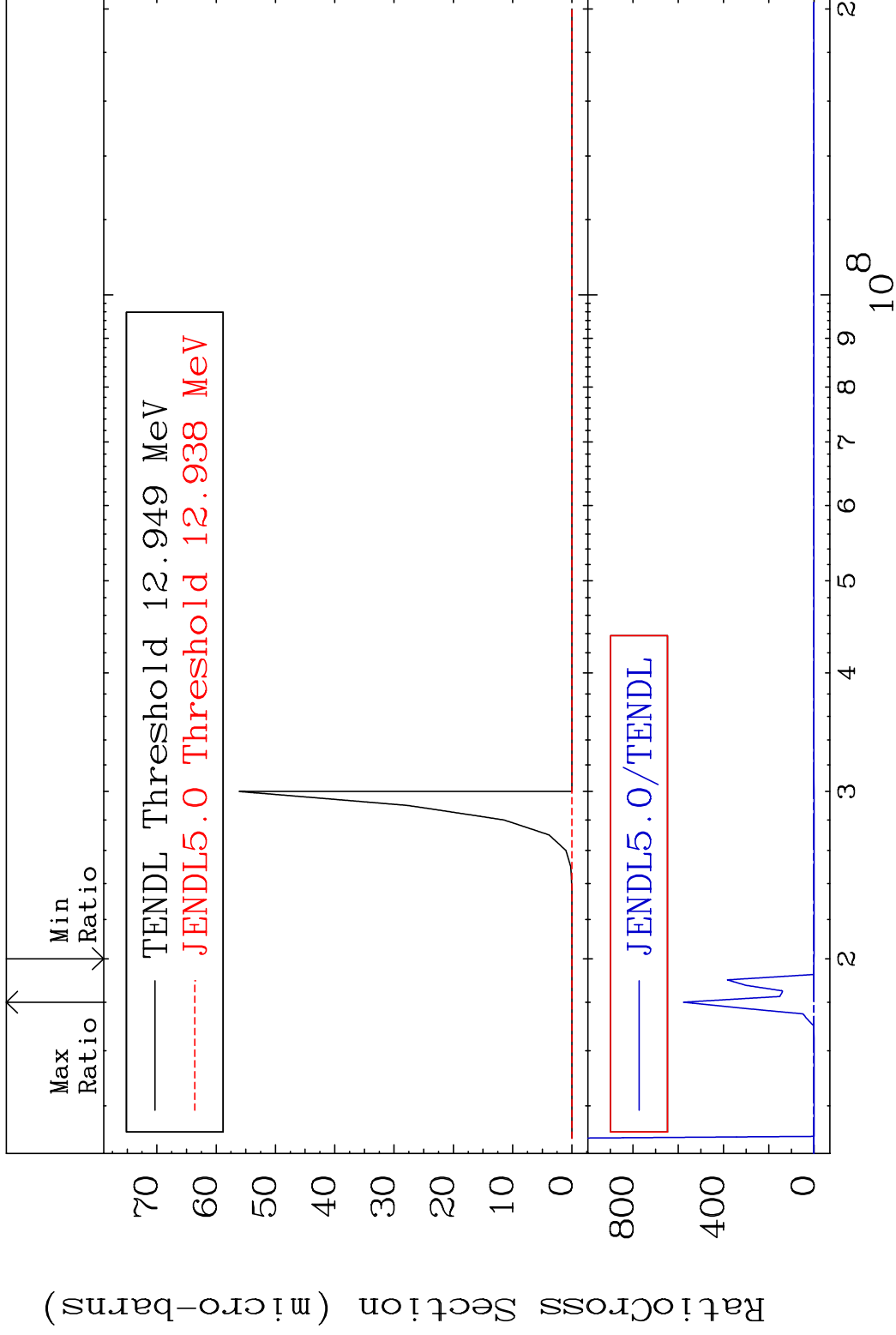
50-Sn-122

MAT 5055

(n, He-3)

50-Sn-122

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

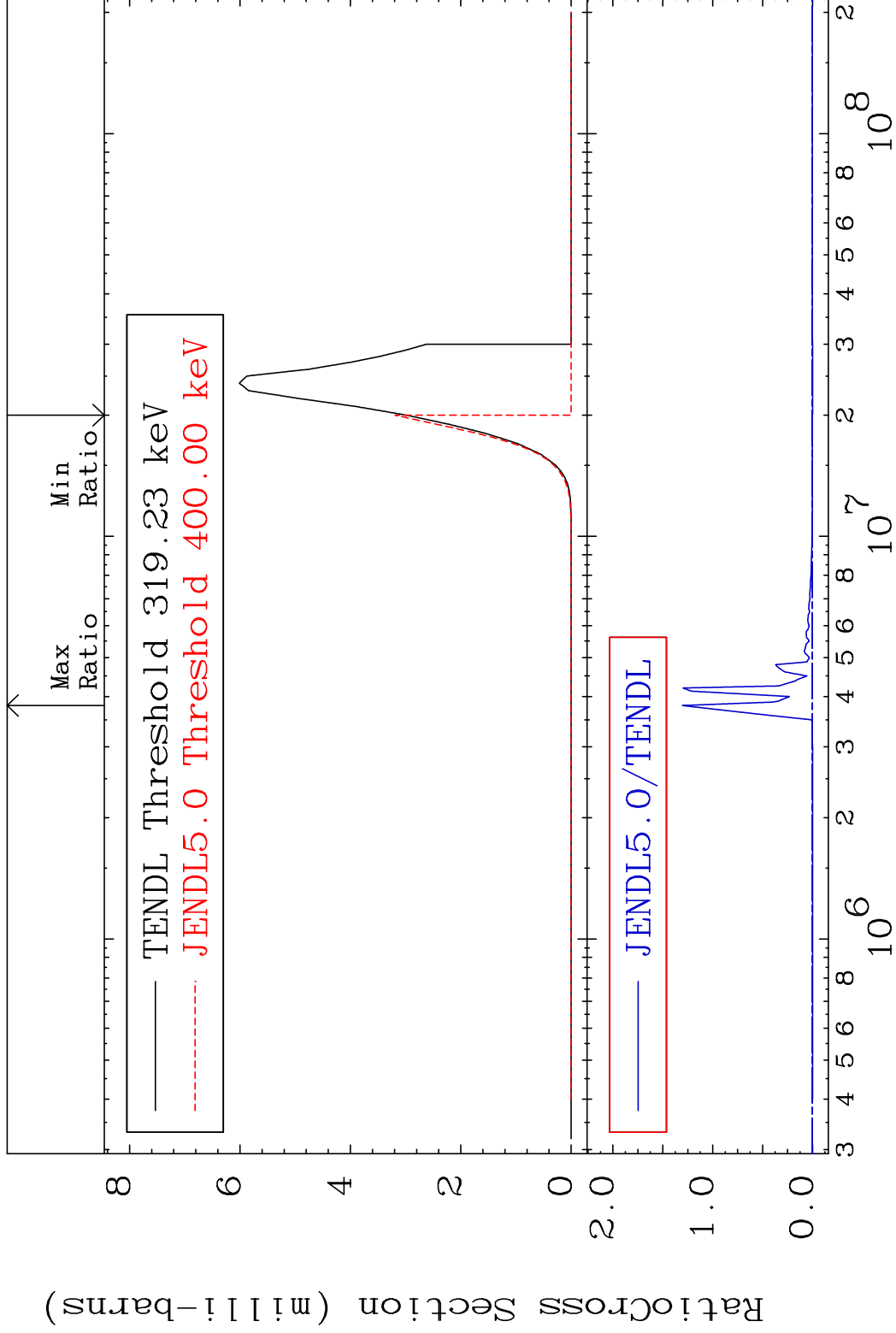
50-Sn-122

MAT 5055

(n, α)

50-Sn-122

Cross Section -100.0 To 9999. %

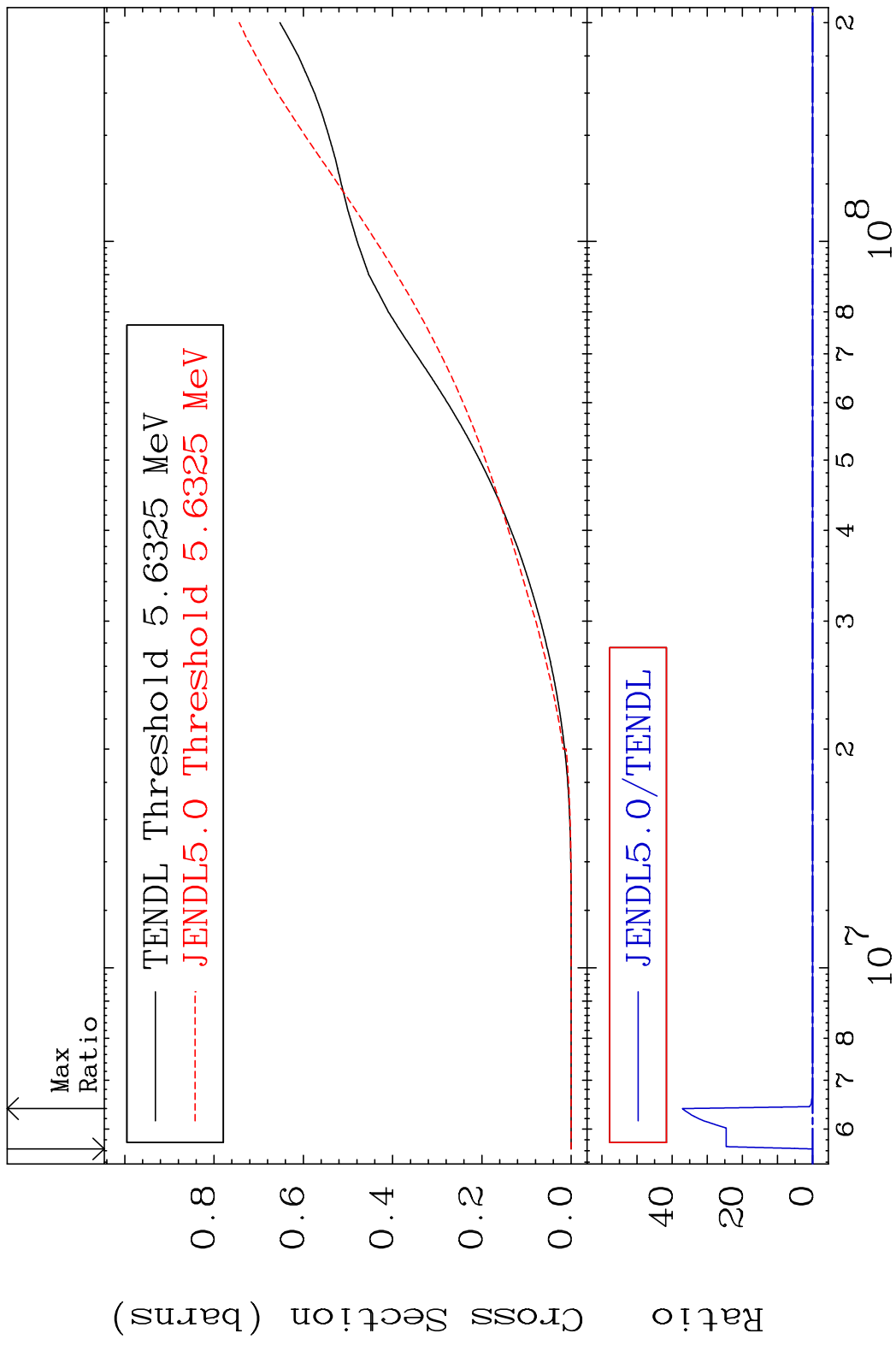


43

Incident Energy (eV)

50-Sn-122

MAT 5055 Hydrogen Production 50-Sn-122
 Cross Section -100.0 To 9999. %

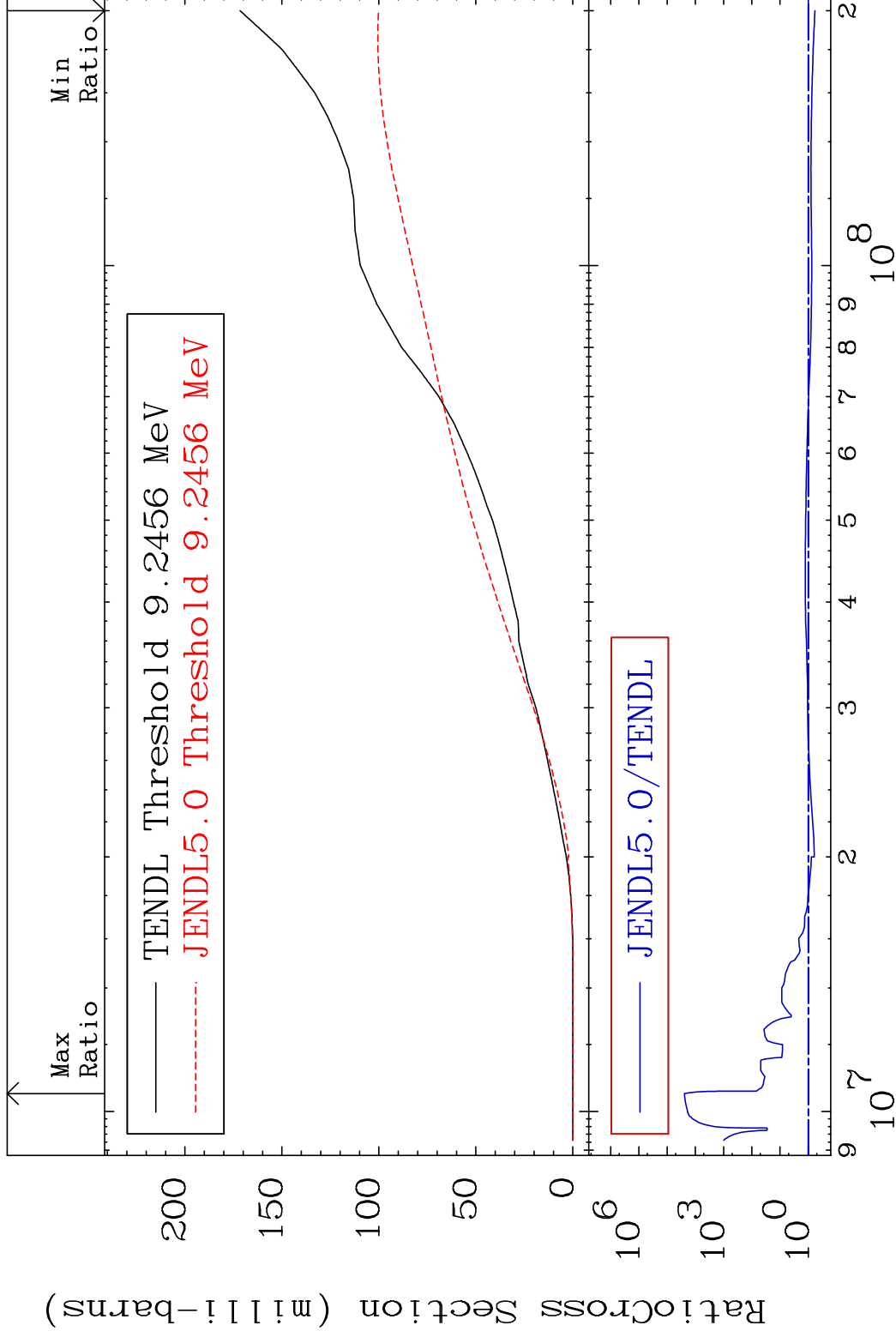


MAT 5055

Deuterium Production

50-Sn-122

Cross Section -41.60 To 9999. %

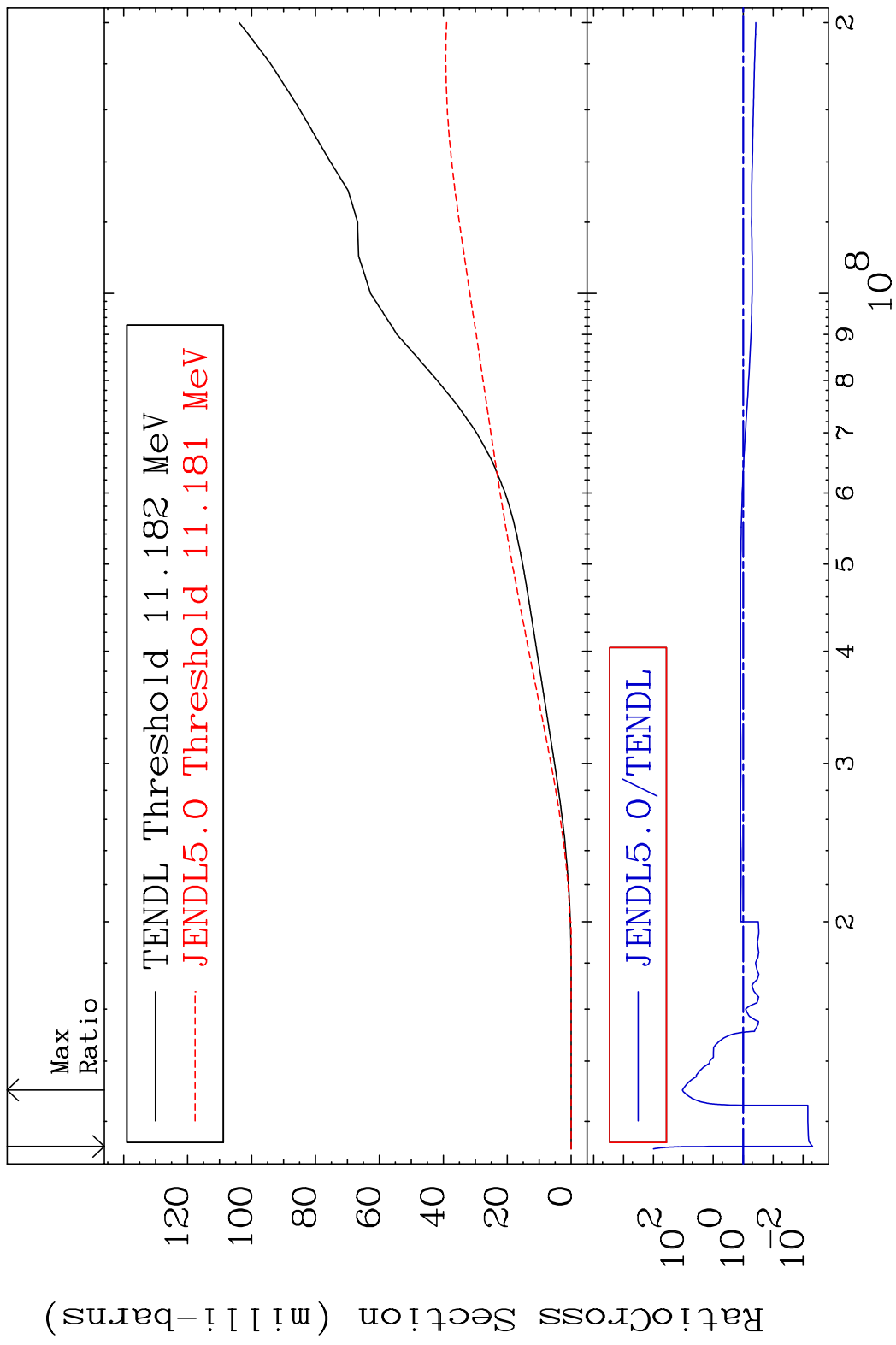


45

Incident Energy (eV)

50-Sn-122

MAT 5055 Tritium Production 50-Sn-122
 Cross Section -99.52 To 9999. %

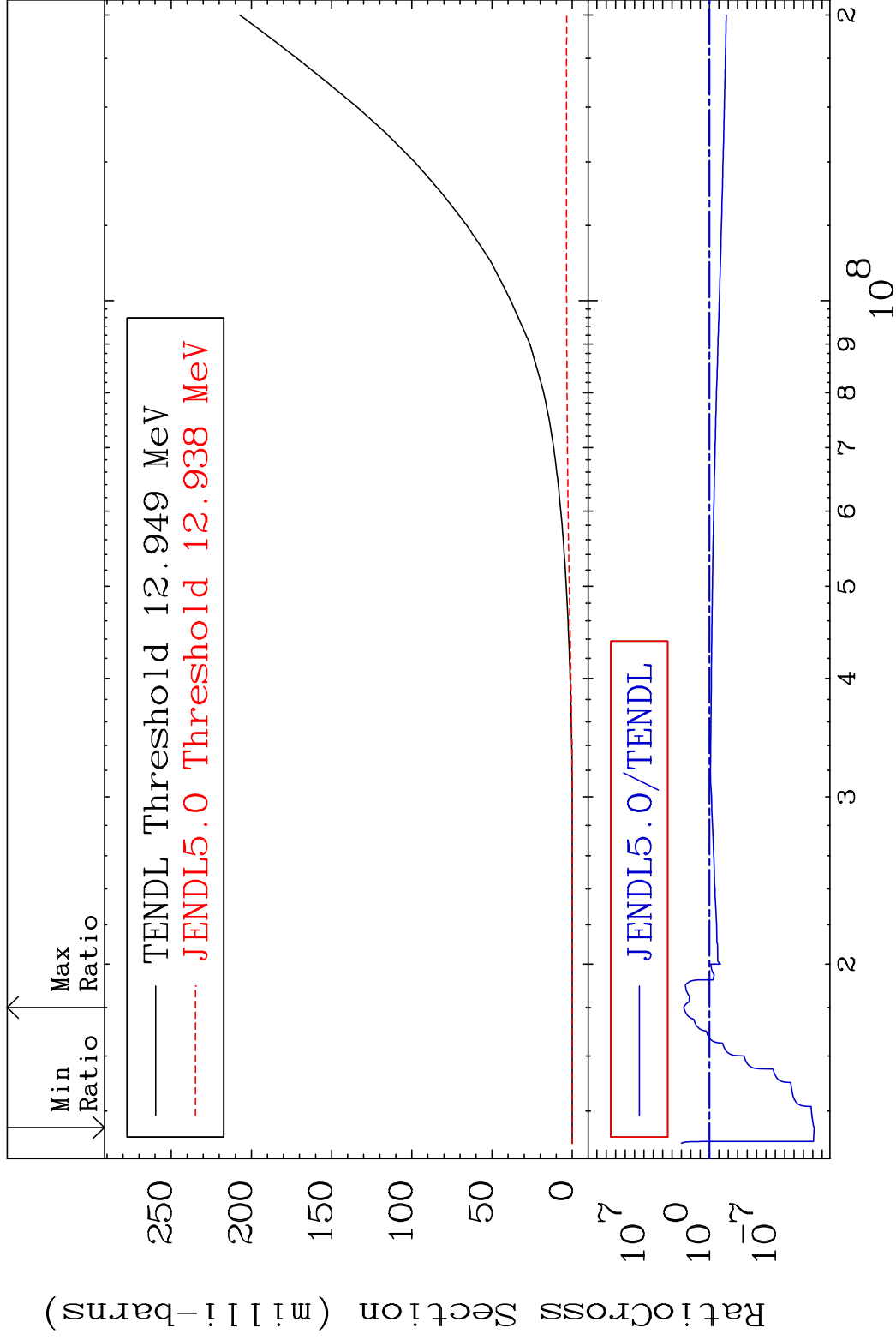


MAT 5055

He-3 Production

50-Sn-122

Cross Section -100.0 To 9999. %

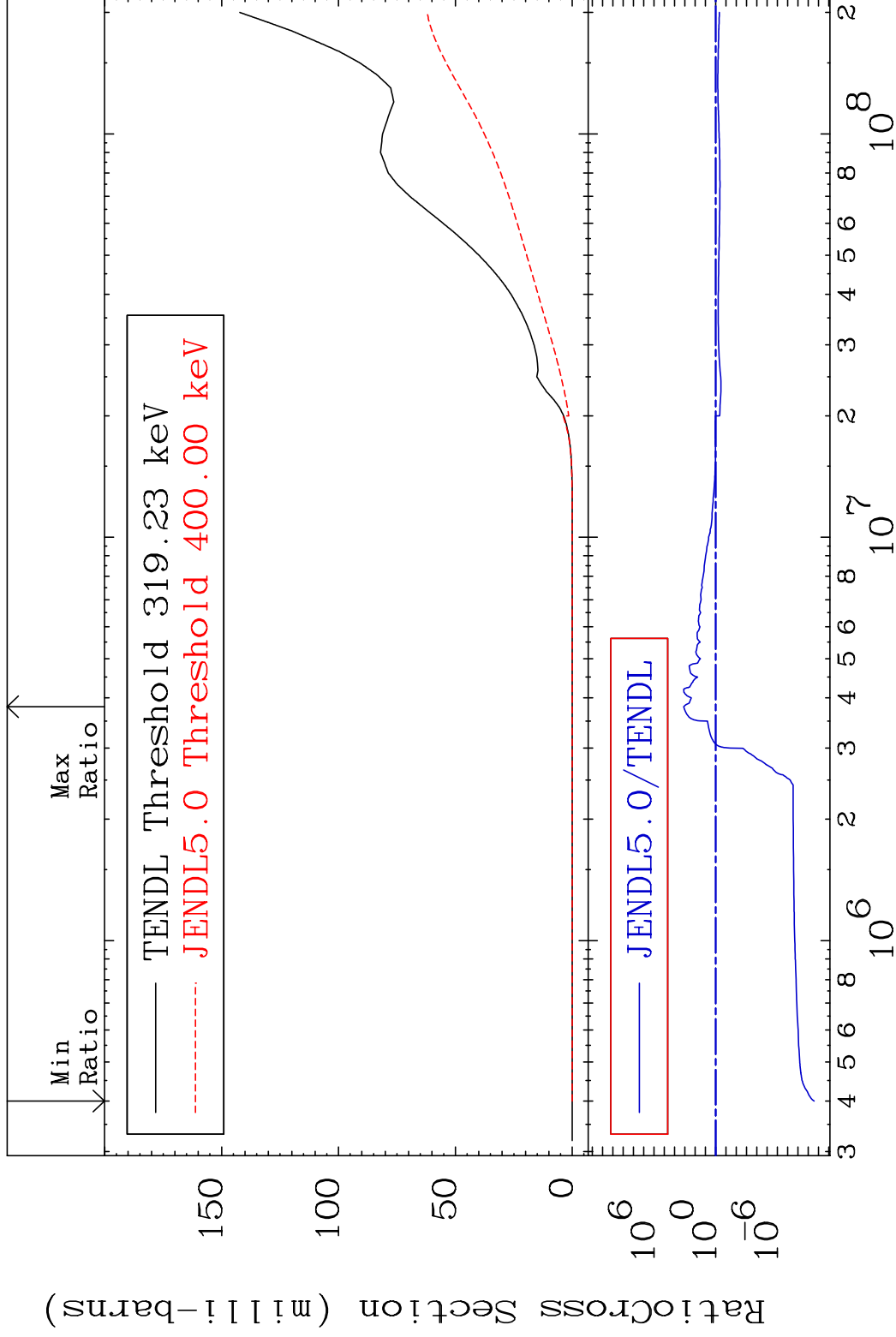


MAT 5055

He-4 Production

50-Sn-122

Cross Section -100.0 To 9999. %

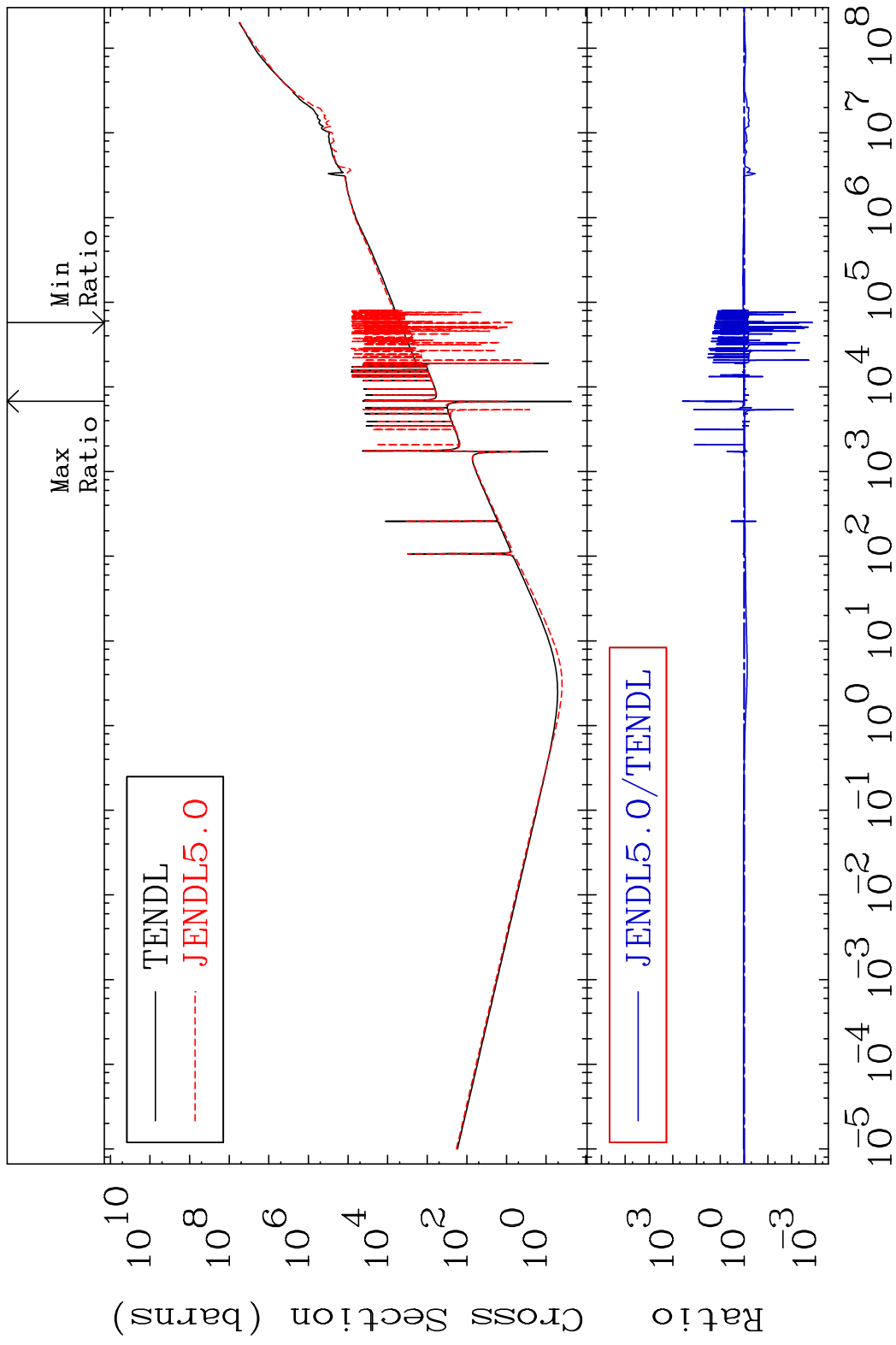


48

Incident Energy (eV)

50-Sn-122

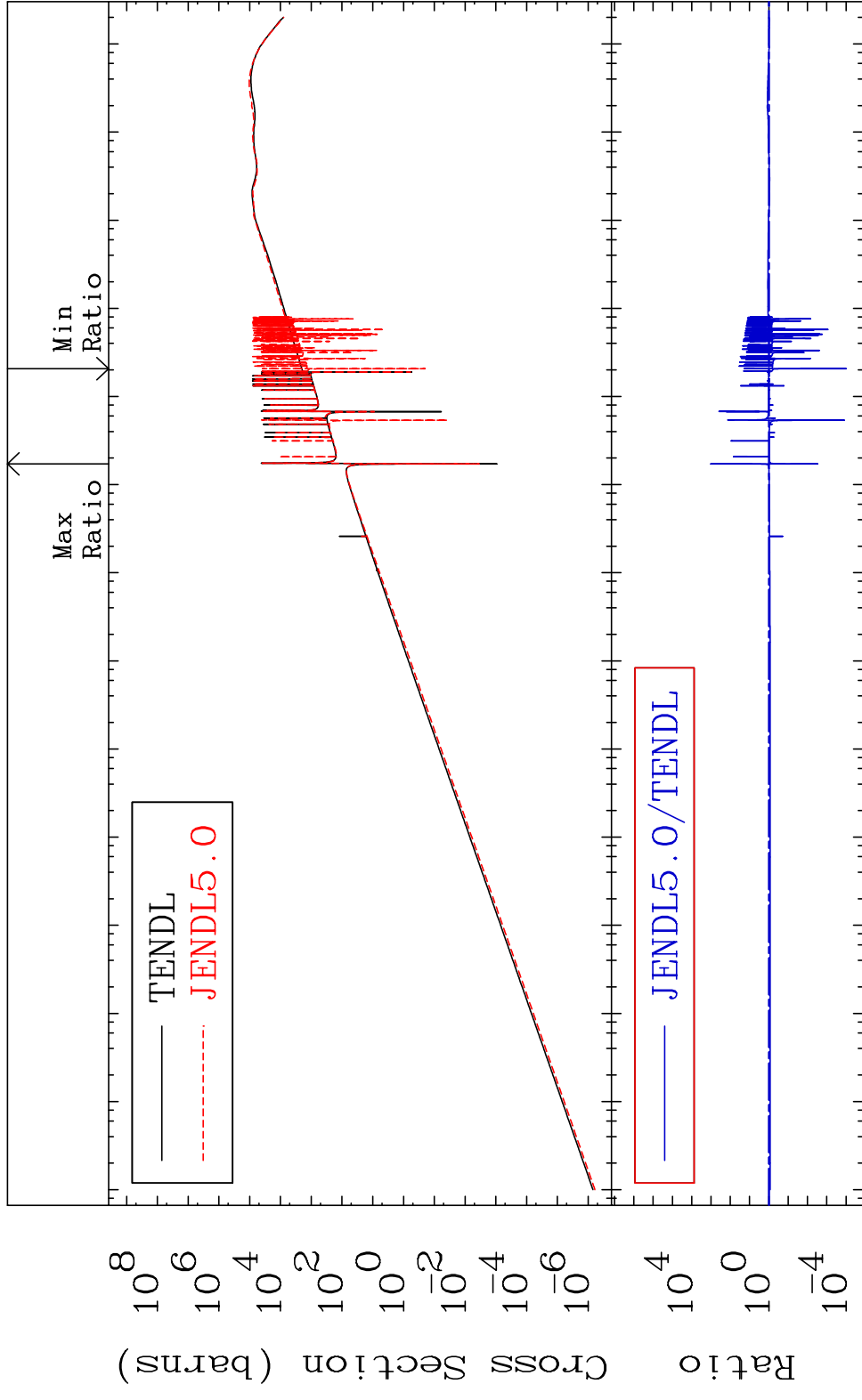
MAT 5055 Kerma total (eV-barns) 50-Sn-122
 Cross Section -99.87 To 9999. %



MAT 5055

Kerma elastic
Cross Section

50-Sn-122
-99.99 To 9999. %

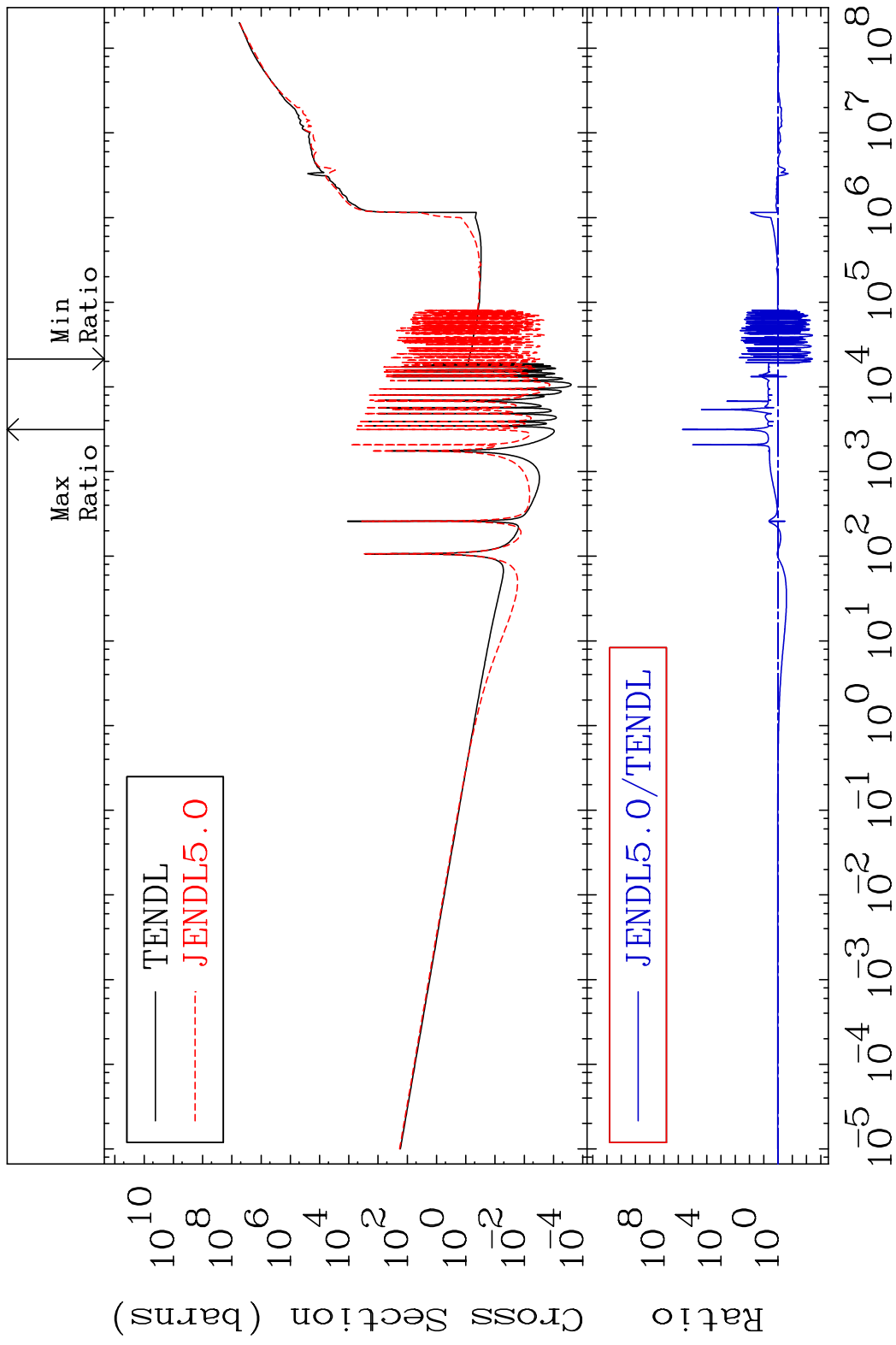


50

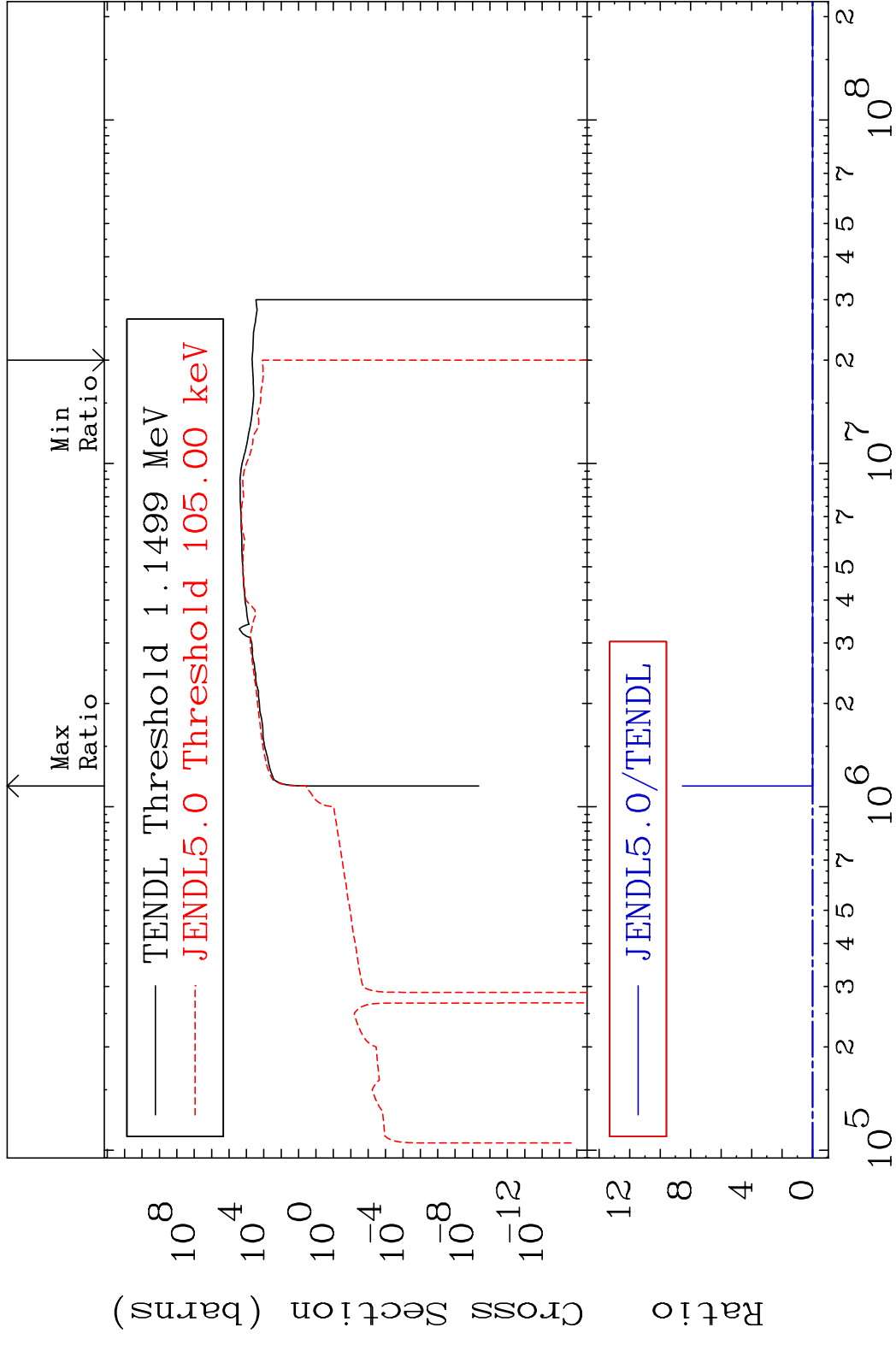
Incident Energy (eV)

50-Sn-122

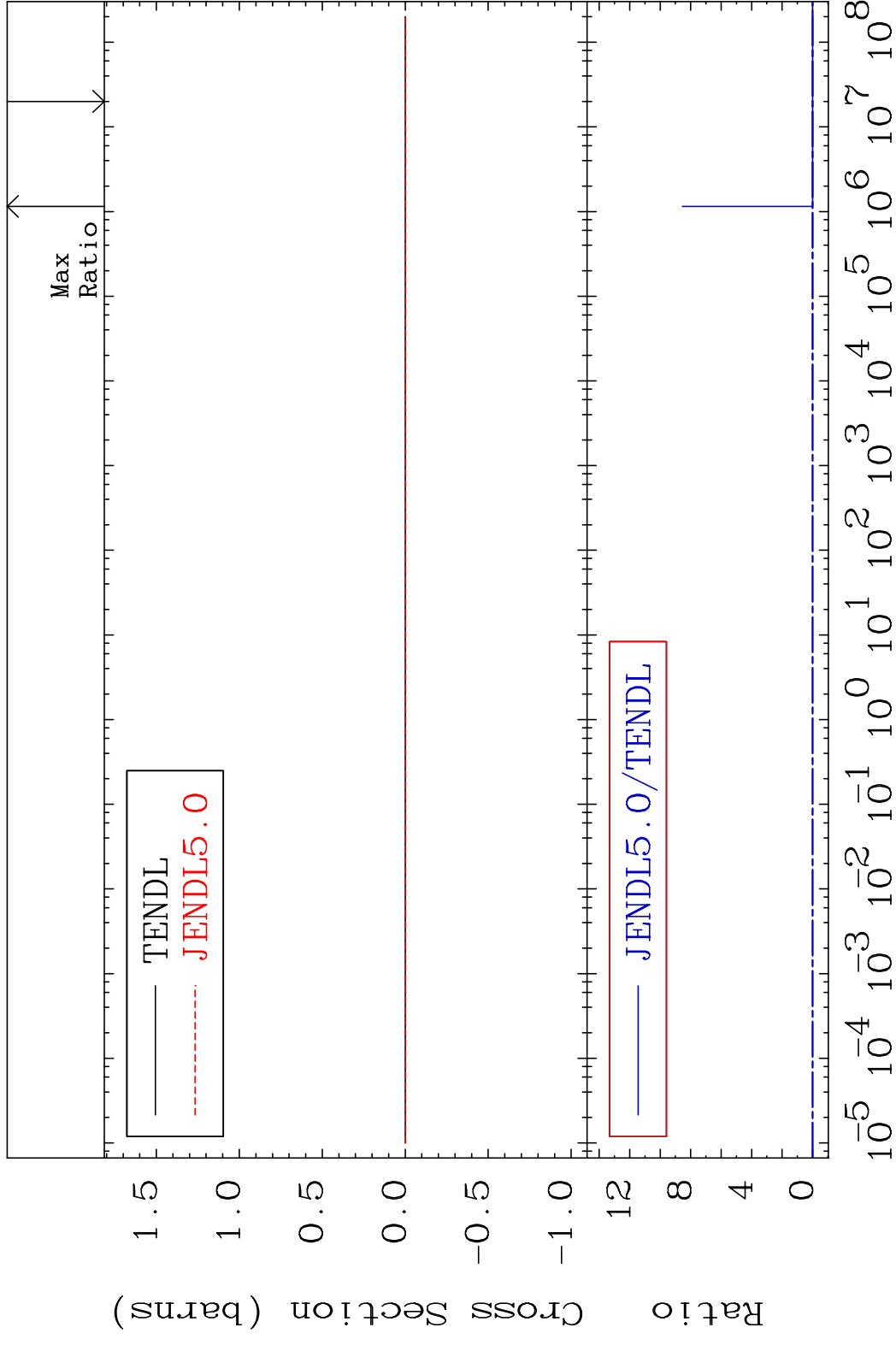
MAT 5055 Kerma non-elastic (all but mt2) 50-Sn-122
 Cross Section -99.62 To 9999. %



MAT 5055 Kerma inelastic (mt51-91) 50-Sn-122
 Cross Section -100.0 To 9999. %



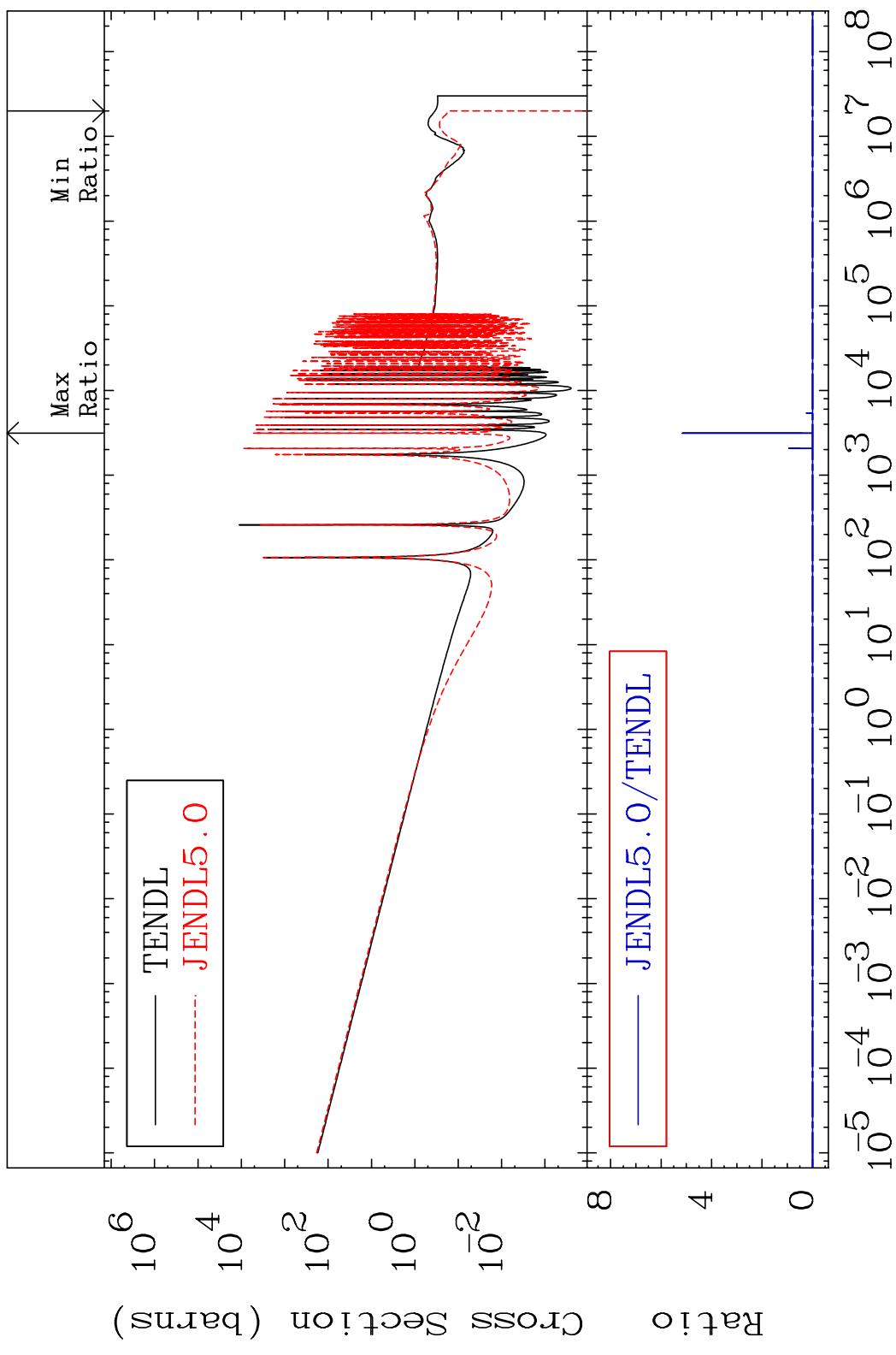
MAT 5055 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-122
 Cross Section -100.0 To 9999. %



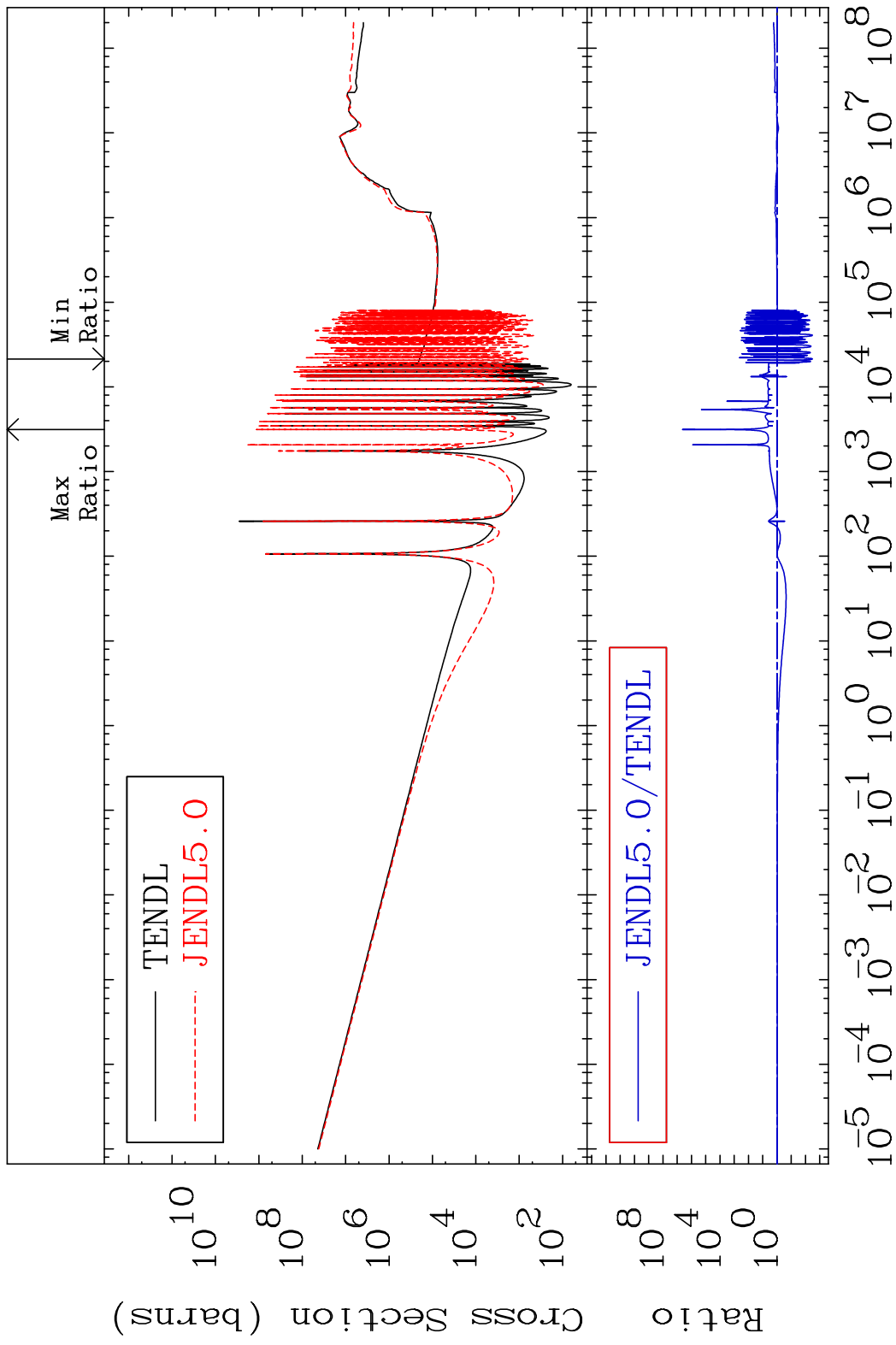
MAT 5055

Kerma capture (mt102) 50-Sn-122

Cross Section -100.0 To 9999. %

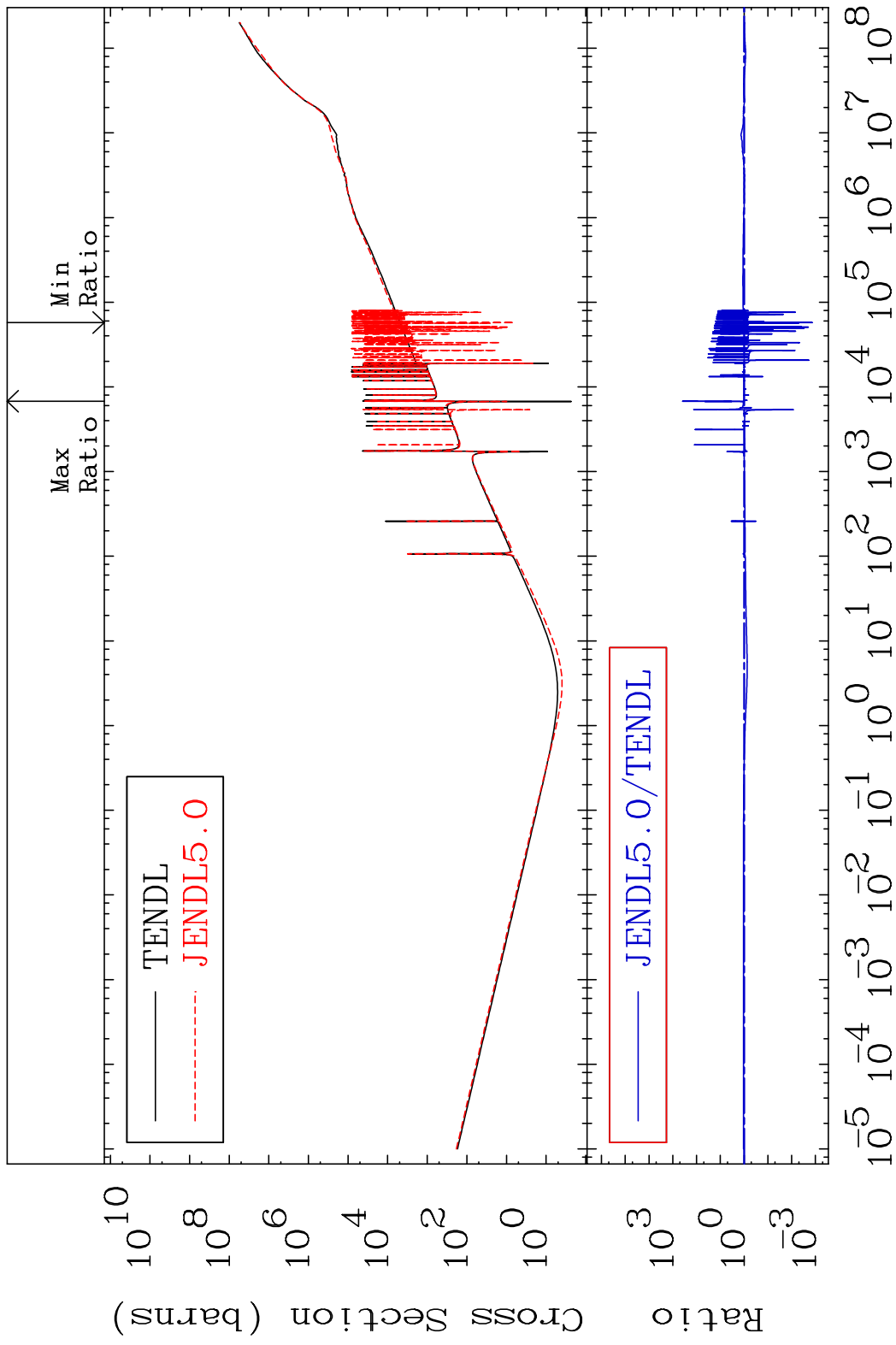


MAT 5055 Total photon (eV-barns) 50-Sn-122
Cross Section -99.68 To 9999. %



55 Incident Energy (eV) 50-Sn-122

MAT 5055 Total kinematic kerma (high limit) 50-Sn-122
 Cross Section -99.87 To 9999. %

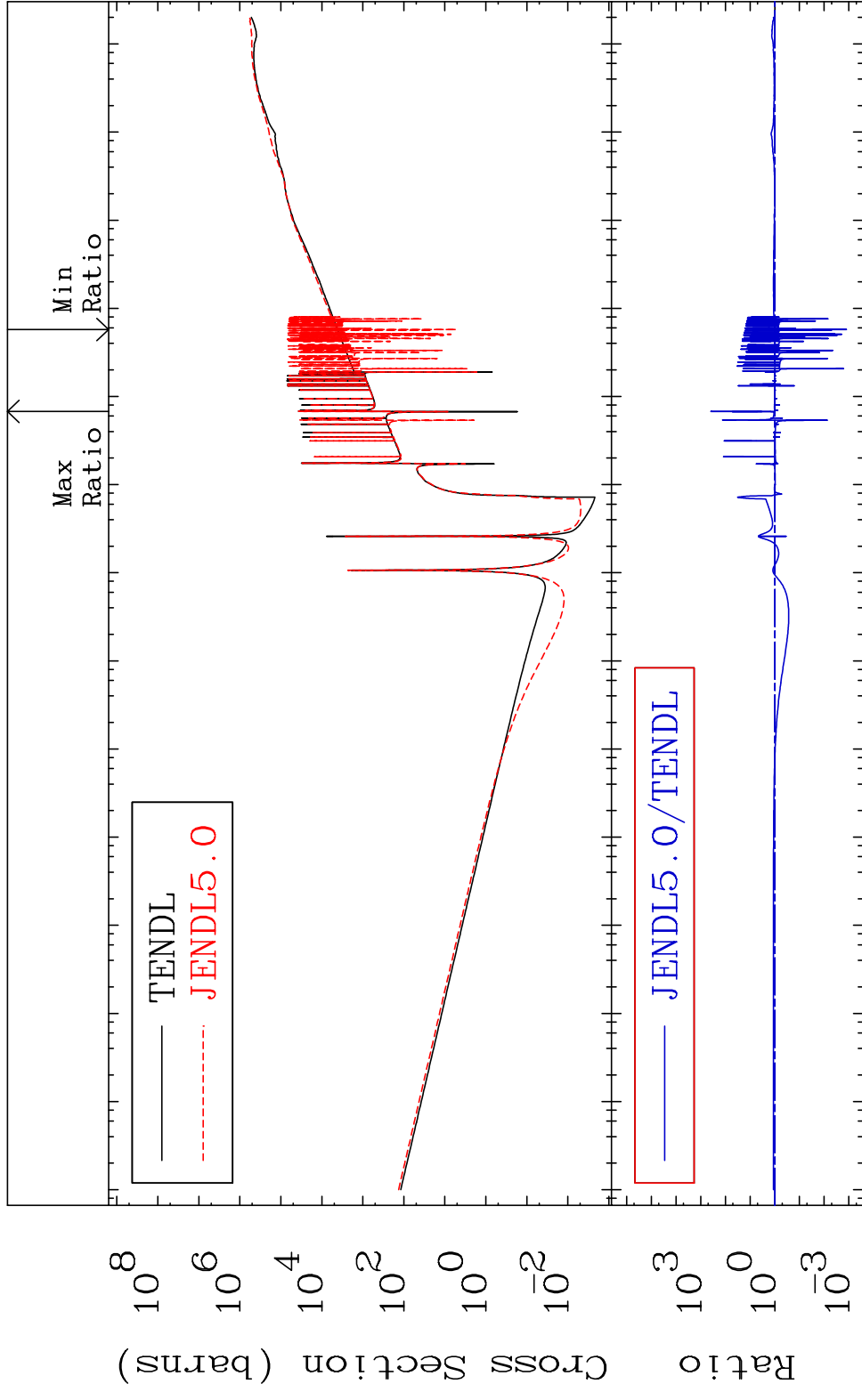


MAT 5055

Dpa total (eV-barns)

50-Sn-122

Cross Section -99.87 To 9999. %

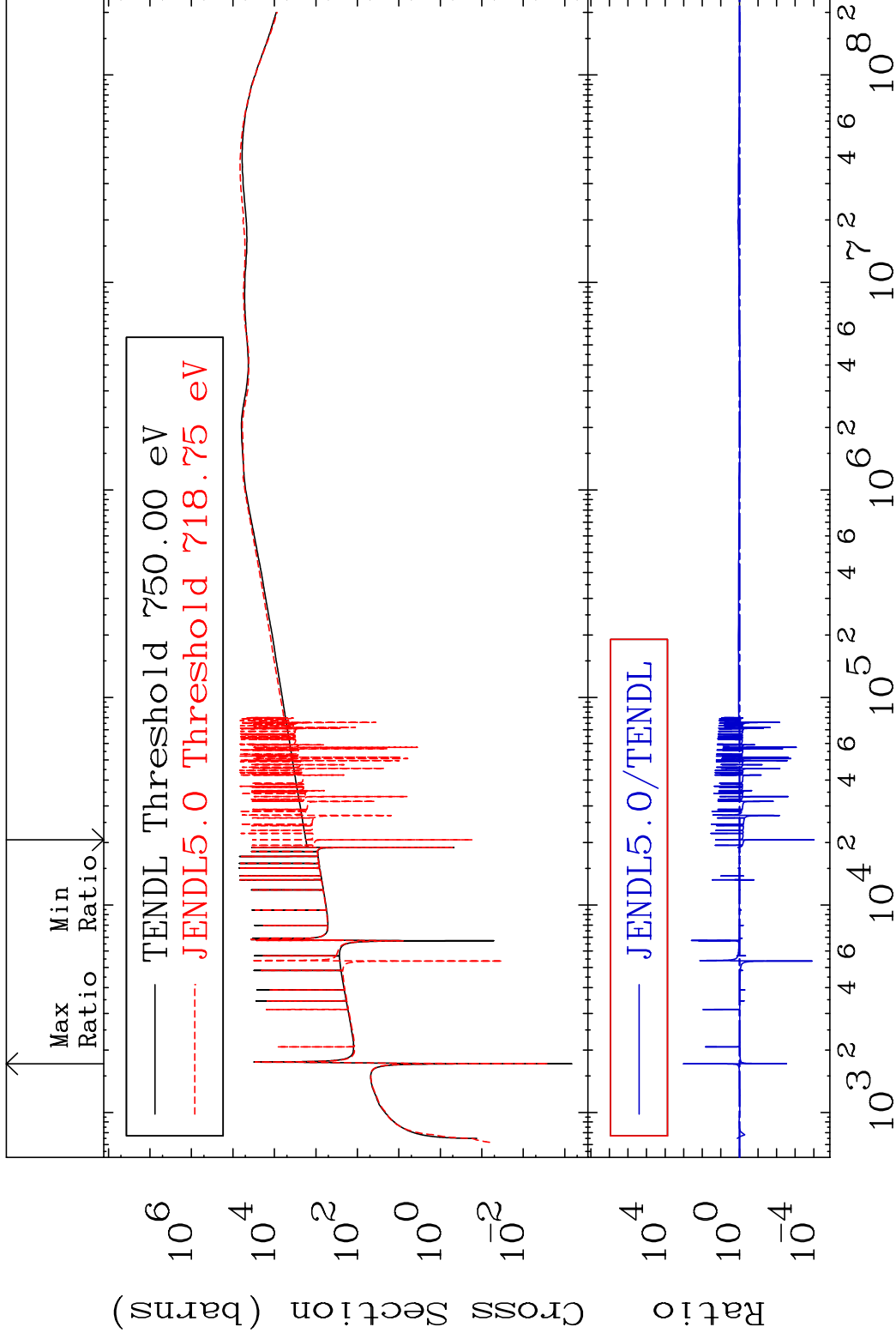


MAT 5055

Dpa elastic (mt2)

50-Sn-122

Cross Section -99.99 To 9999. %

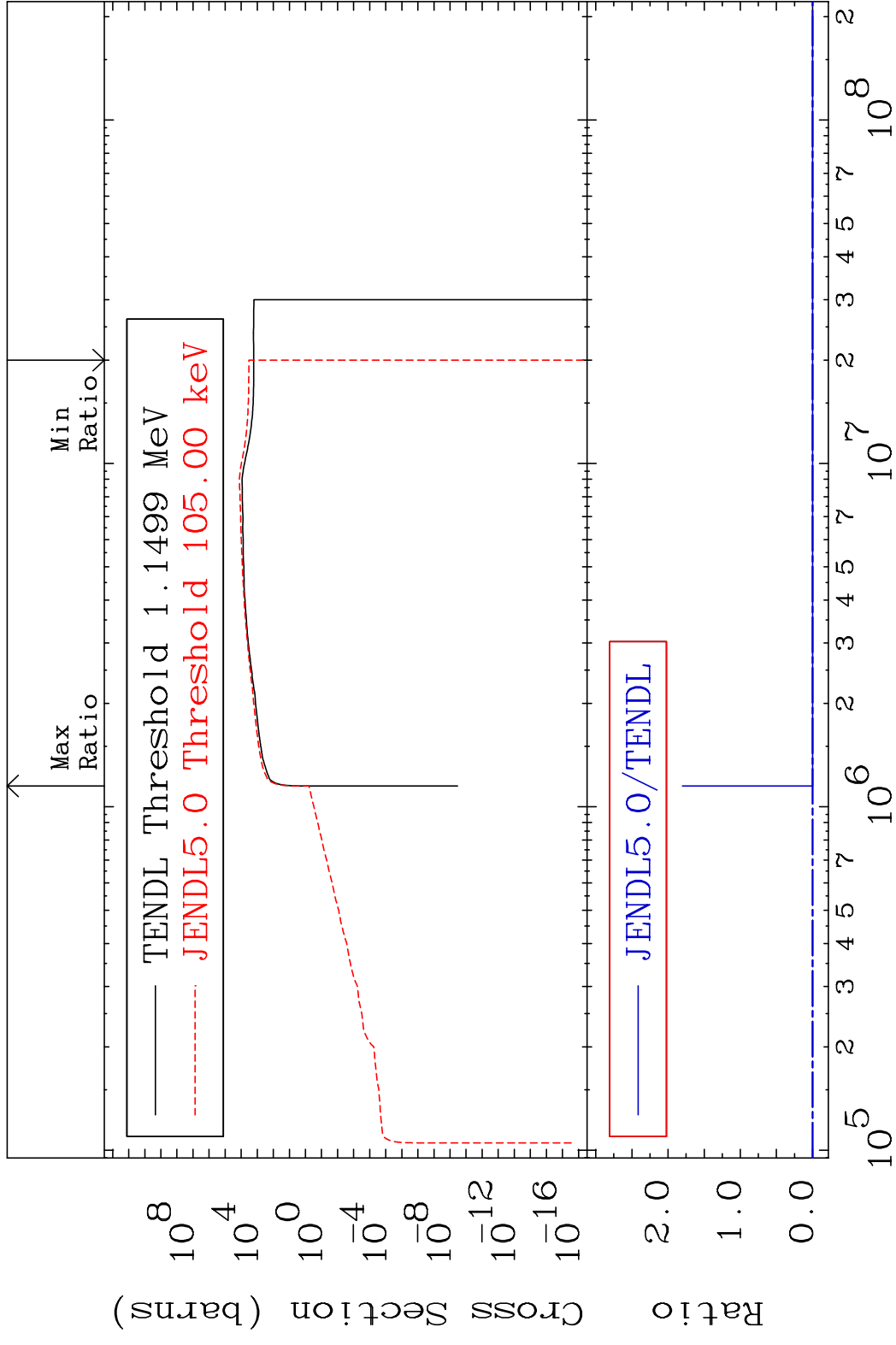


58

Incident Energy (eV)

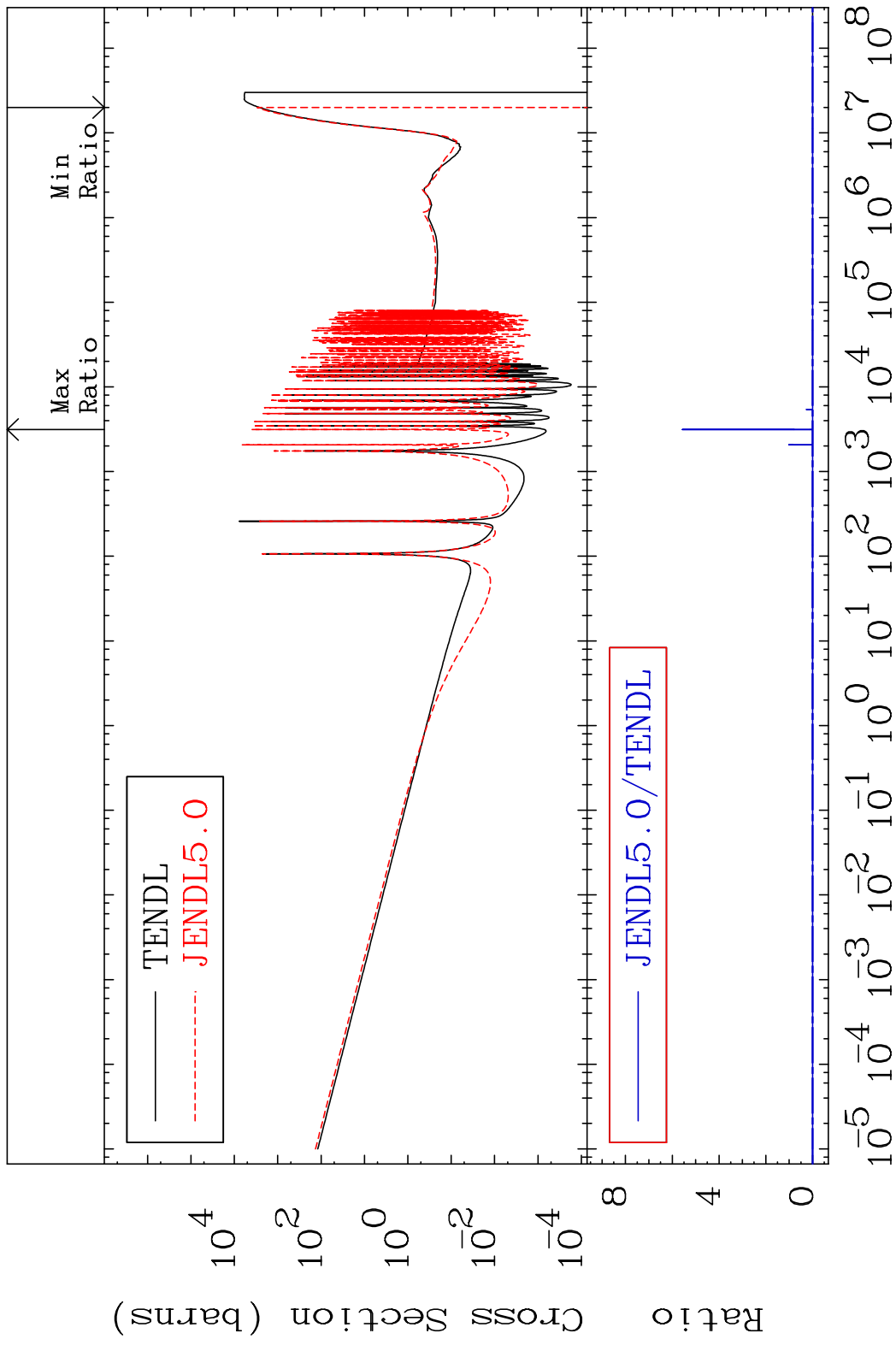
50-Sn-122

MAT 5055 Dpa inelastic (mt51-91) 50-Sn-122
 Cross Section -100.0 To 9999. %



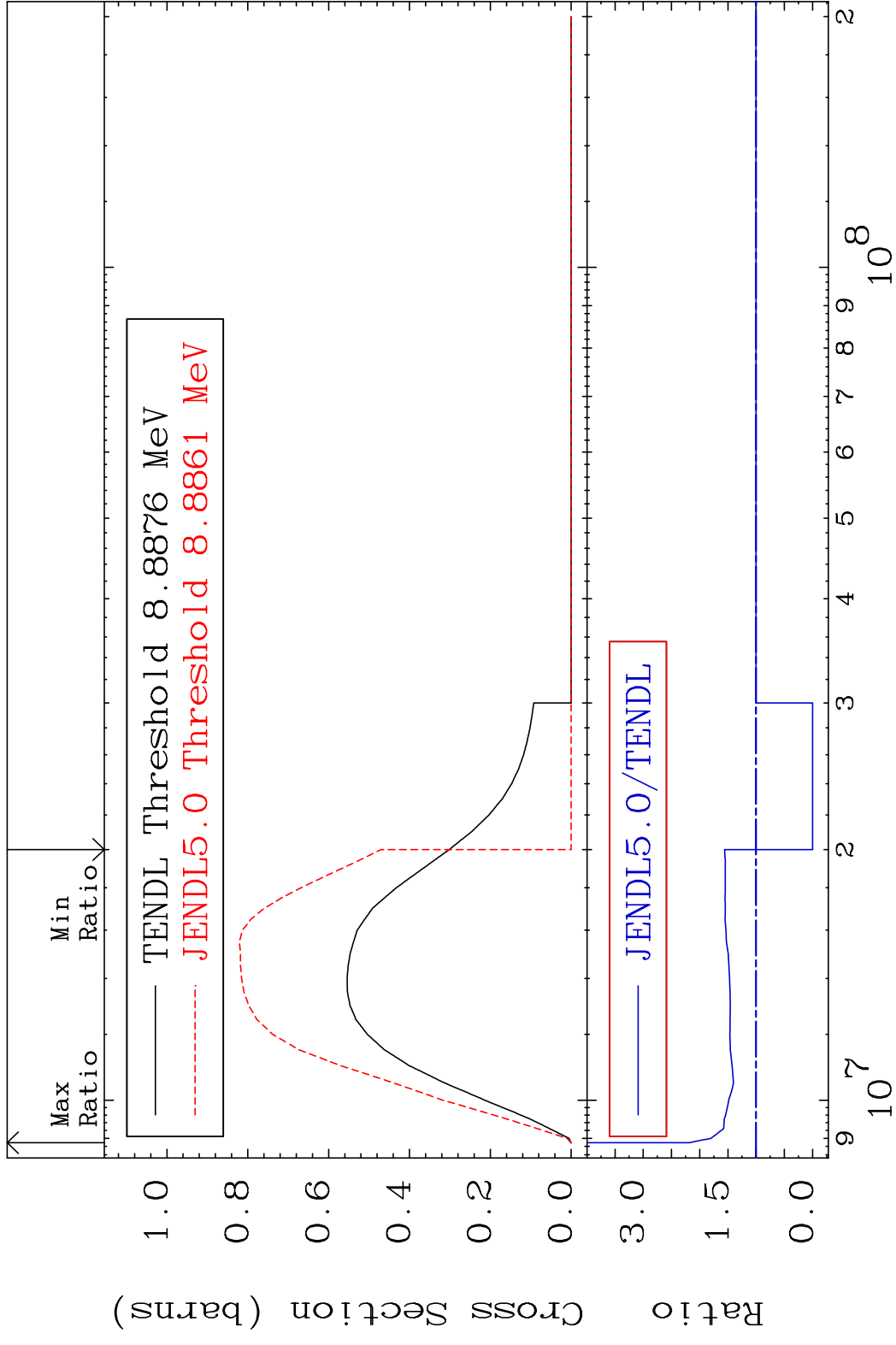
59 Incident Energy (eV) 50-Sn-122

MAT 5055 Dpa disappearance (mt102 -120) 50-Sn-122
Cross Section -100.0 To 9999. %

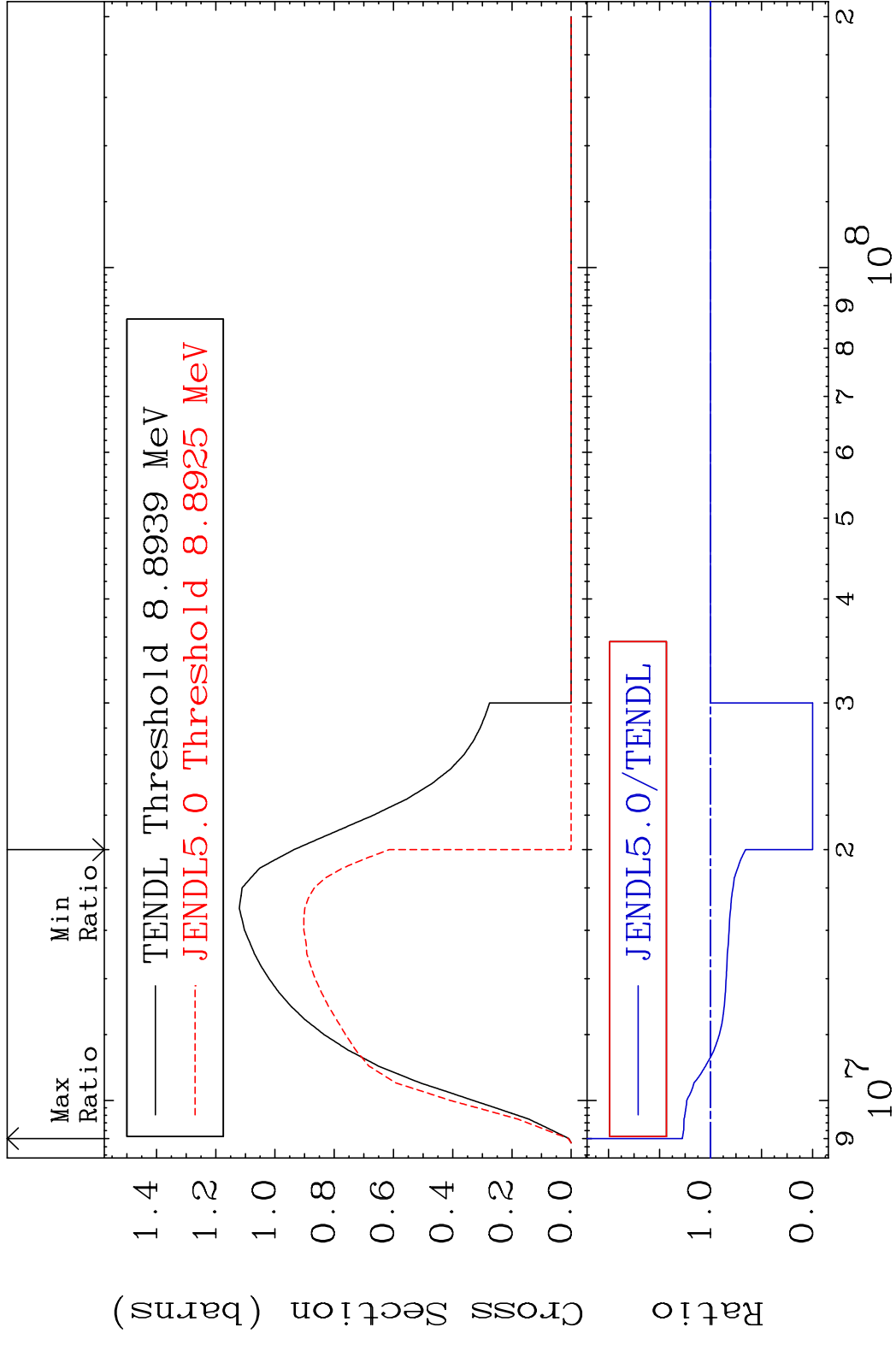


60 Incident Energy (eV) 50-Sn-122

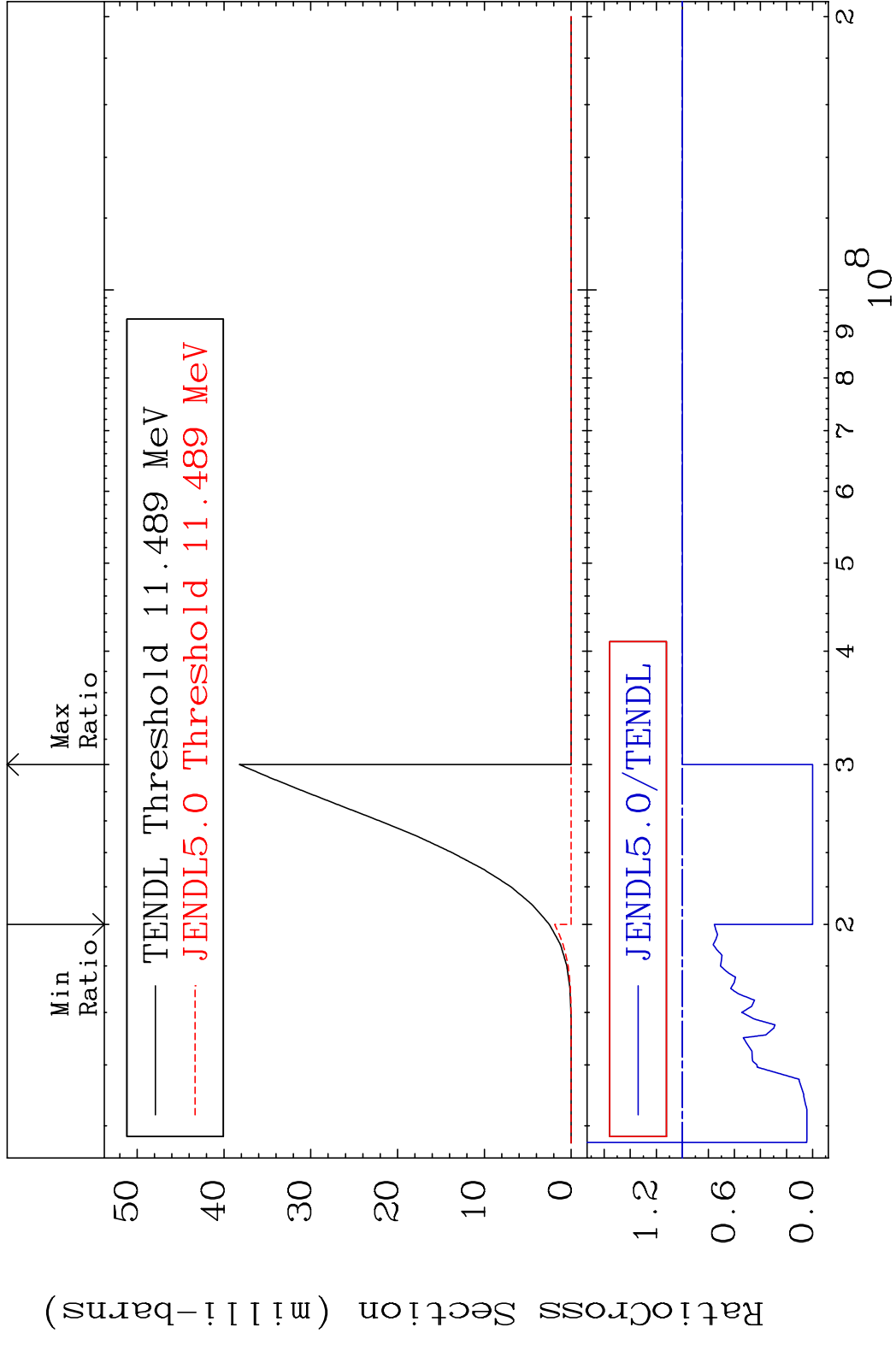
MAT 5055 (n,2n):50-Sn-121g 50-Sn-122
 Radionuclide Production Cross Section 130.7 %

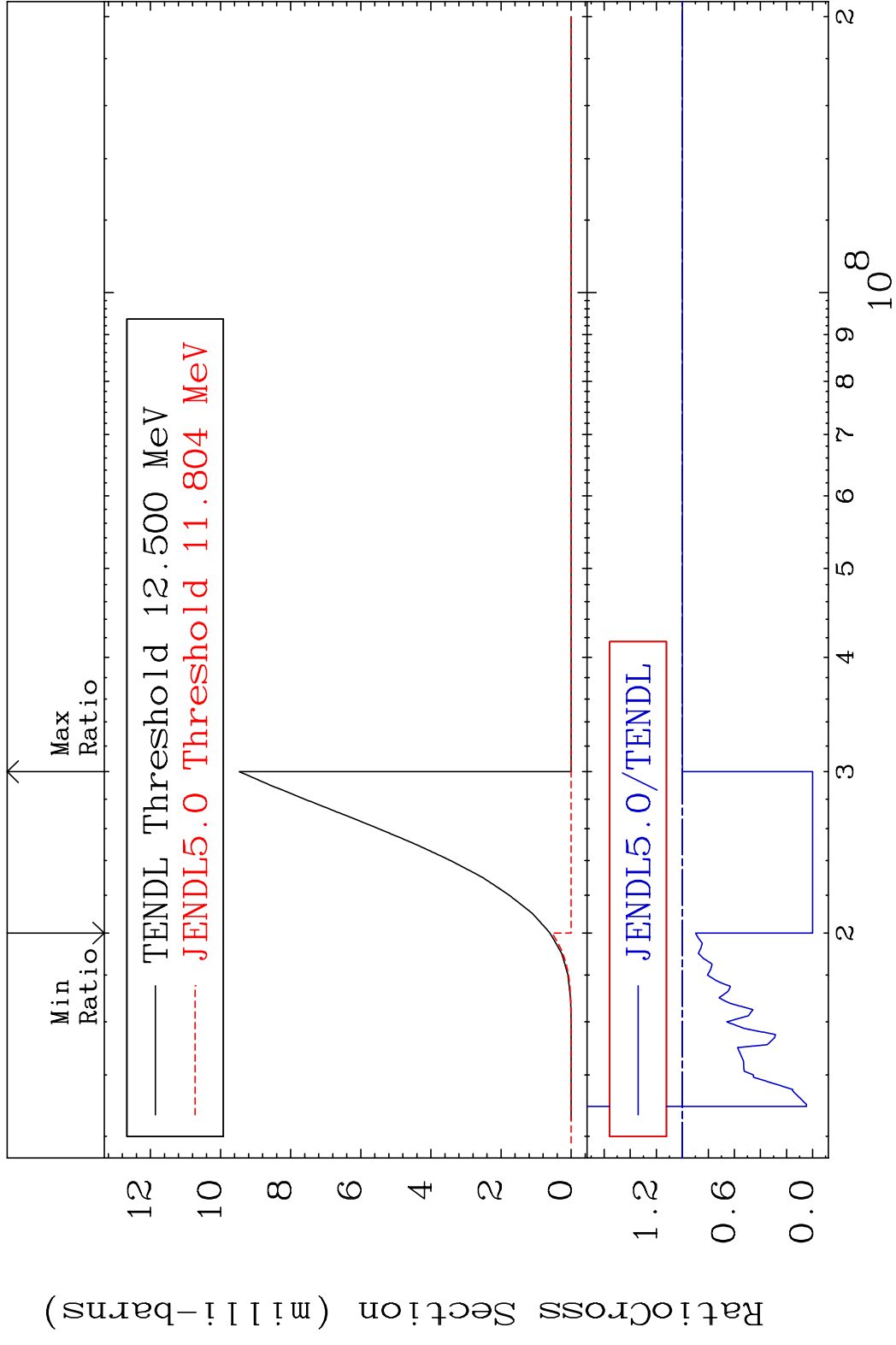


MAT 5055 (n,2n):50-Sn-121m1 50-Sn-122
 Radionuclide Production Cross Section 180.01 dth 27.62 %

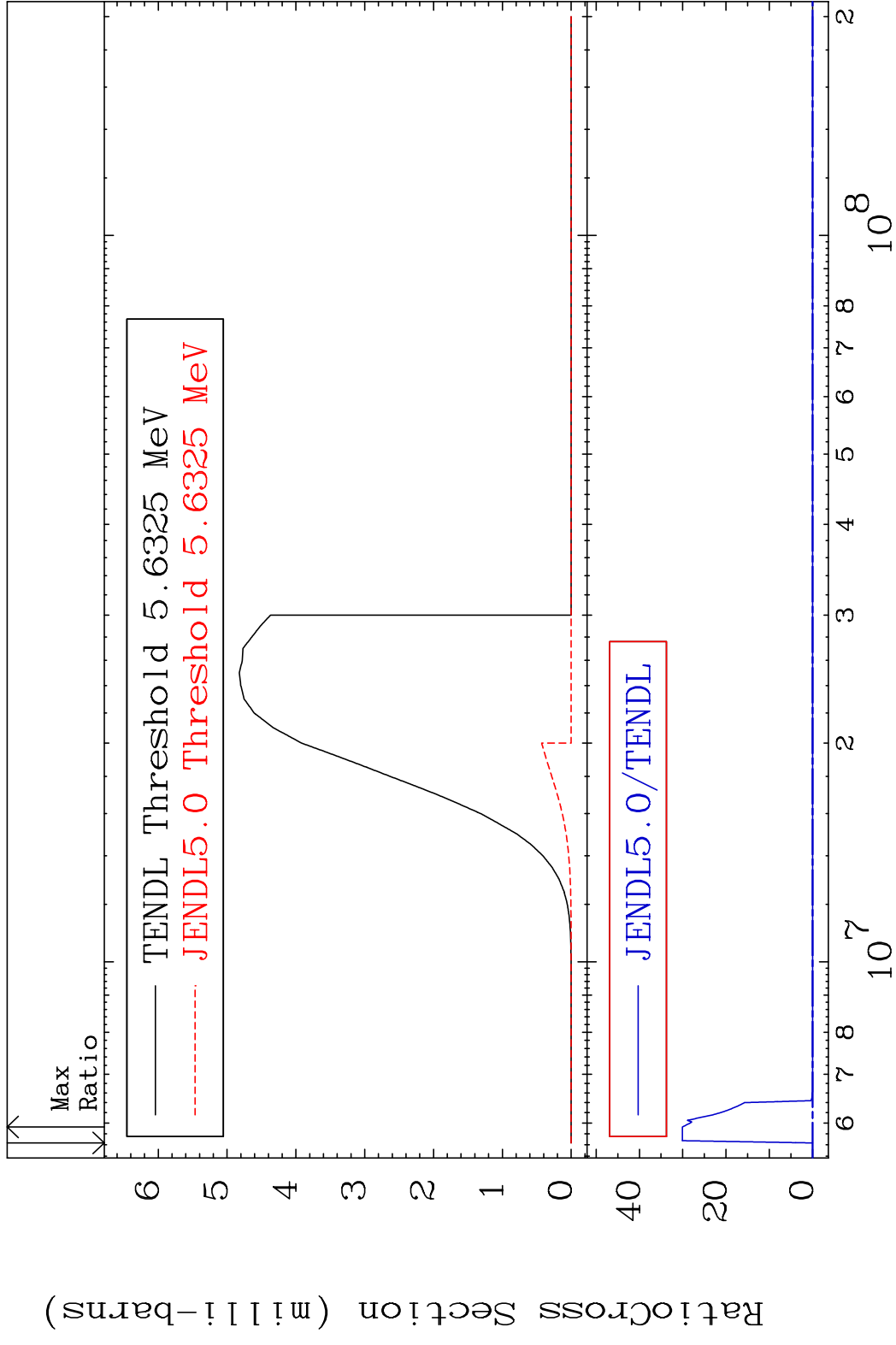


MAT 5055 (n, n') p:49-In-121g 50-Sn-122
 Radionuclide Production Cross Section 180.0 dth 0.000 %

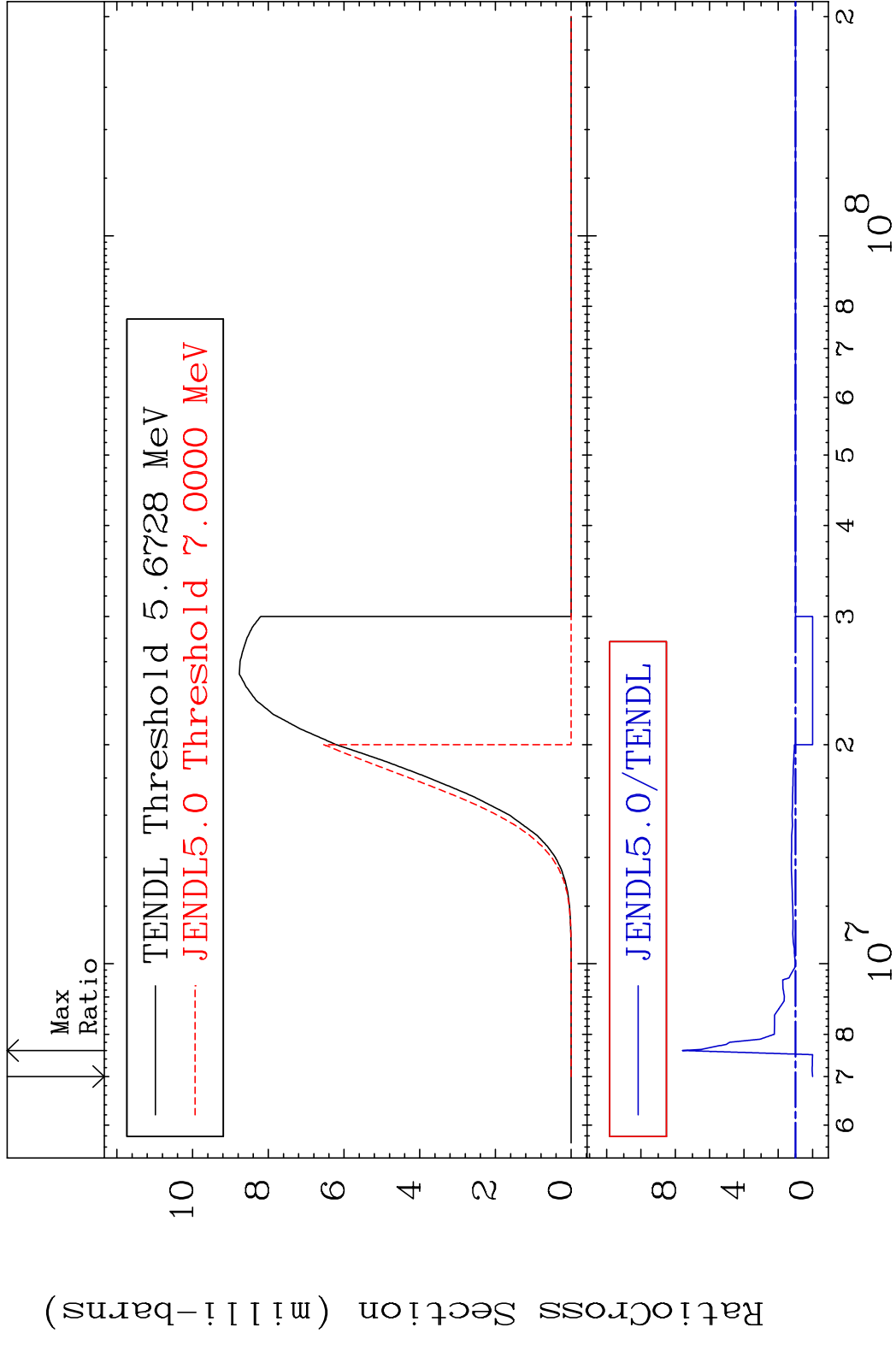




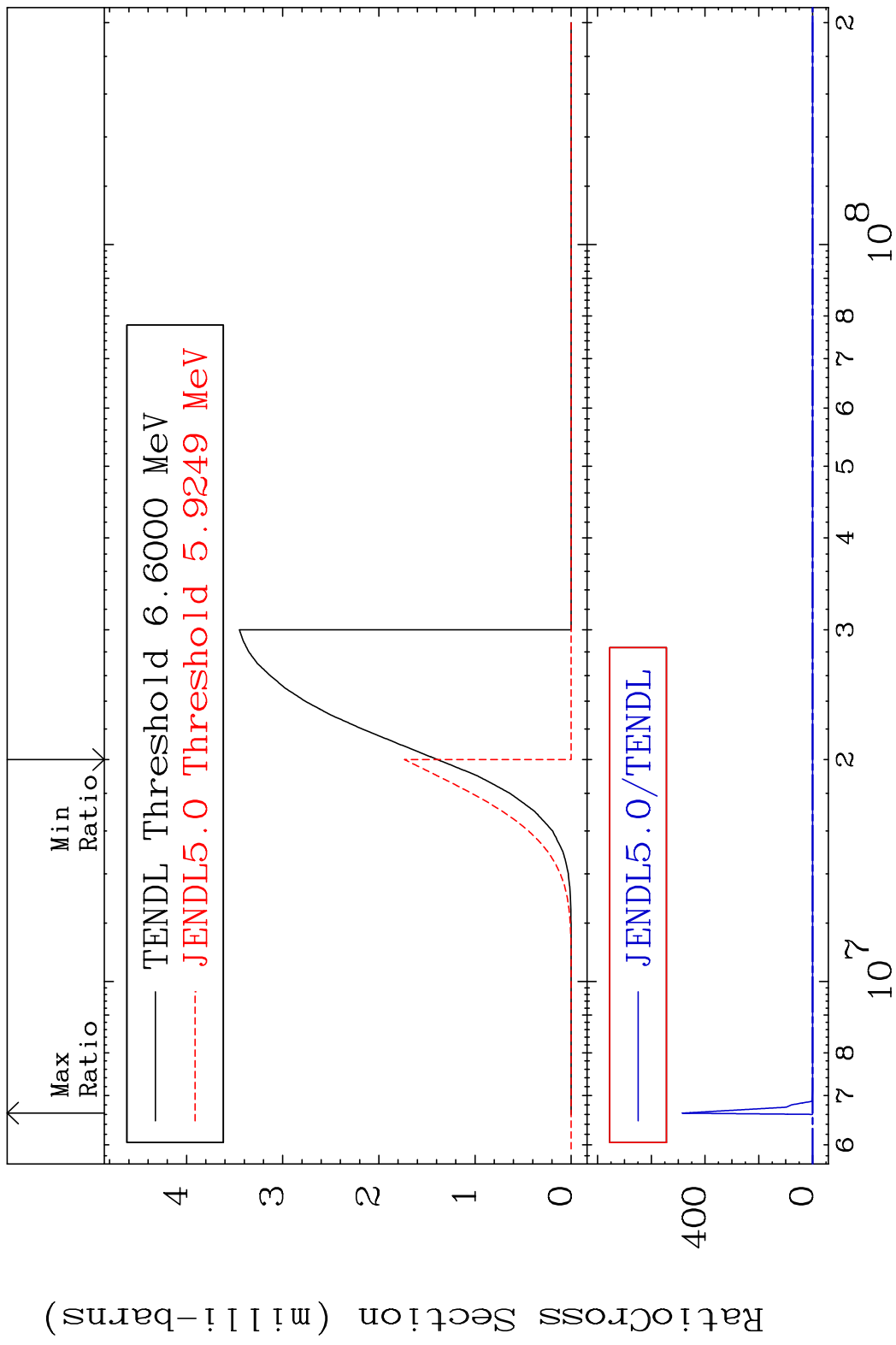
MAT 5055 (n,p):49-In-122g 50-Sn-122
 Radionuclide Production Cross Section 100.00 dth 9999. %



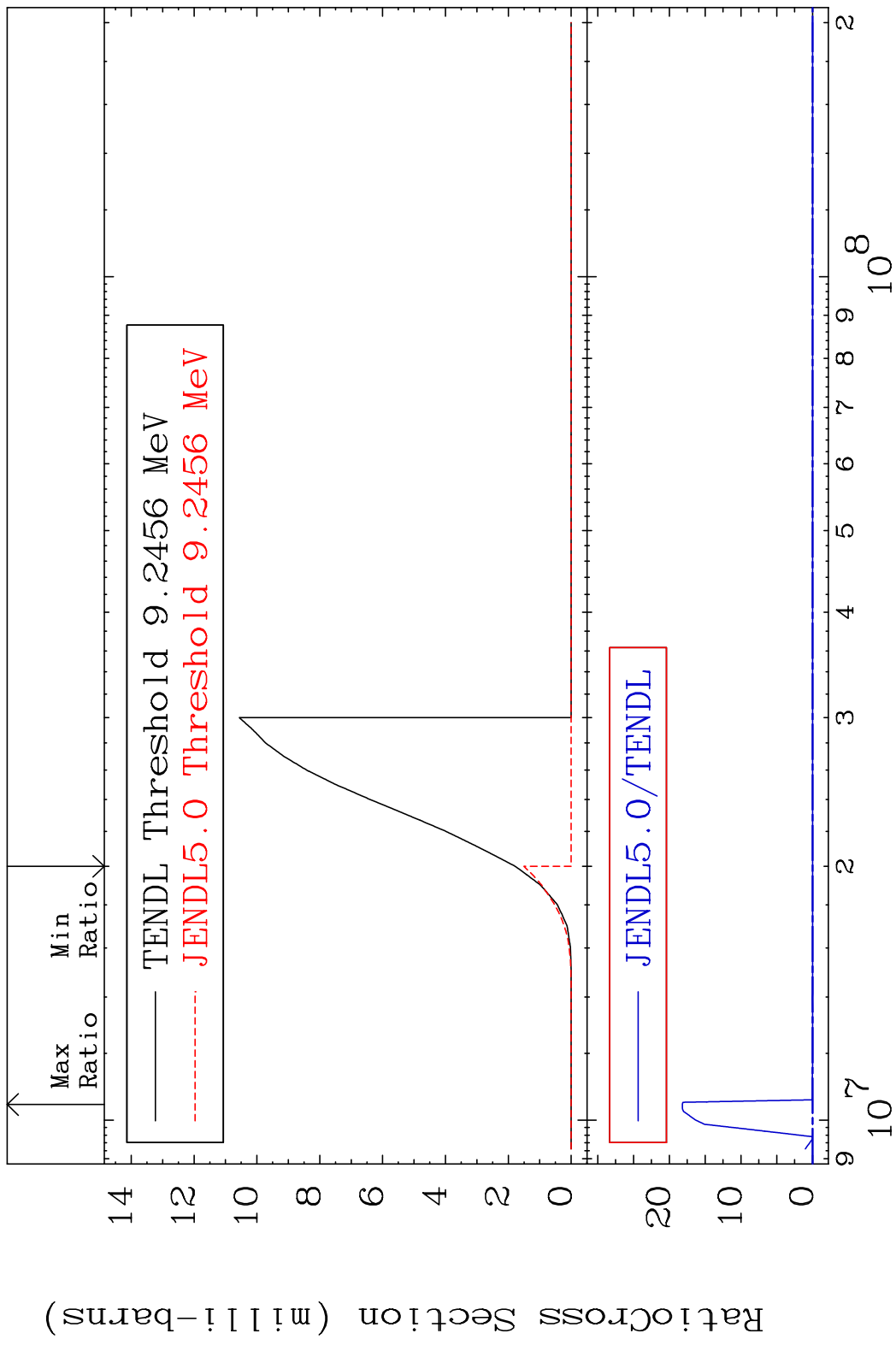
65 Incident Energy (eV) 50-Sn-122



MAT 5055 (n, p): 49-In-122m5 50-Sn-122
 Radionuclide Production Cross Section 100.00 %
 100.00 %

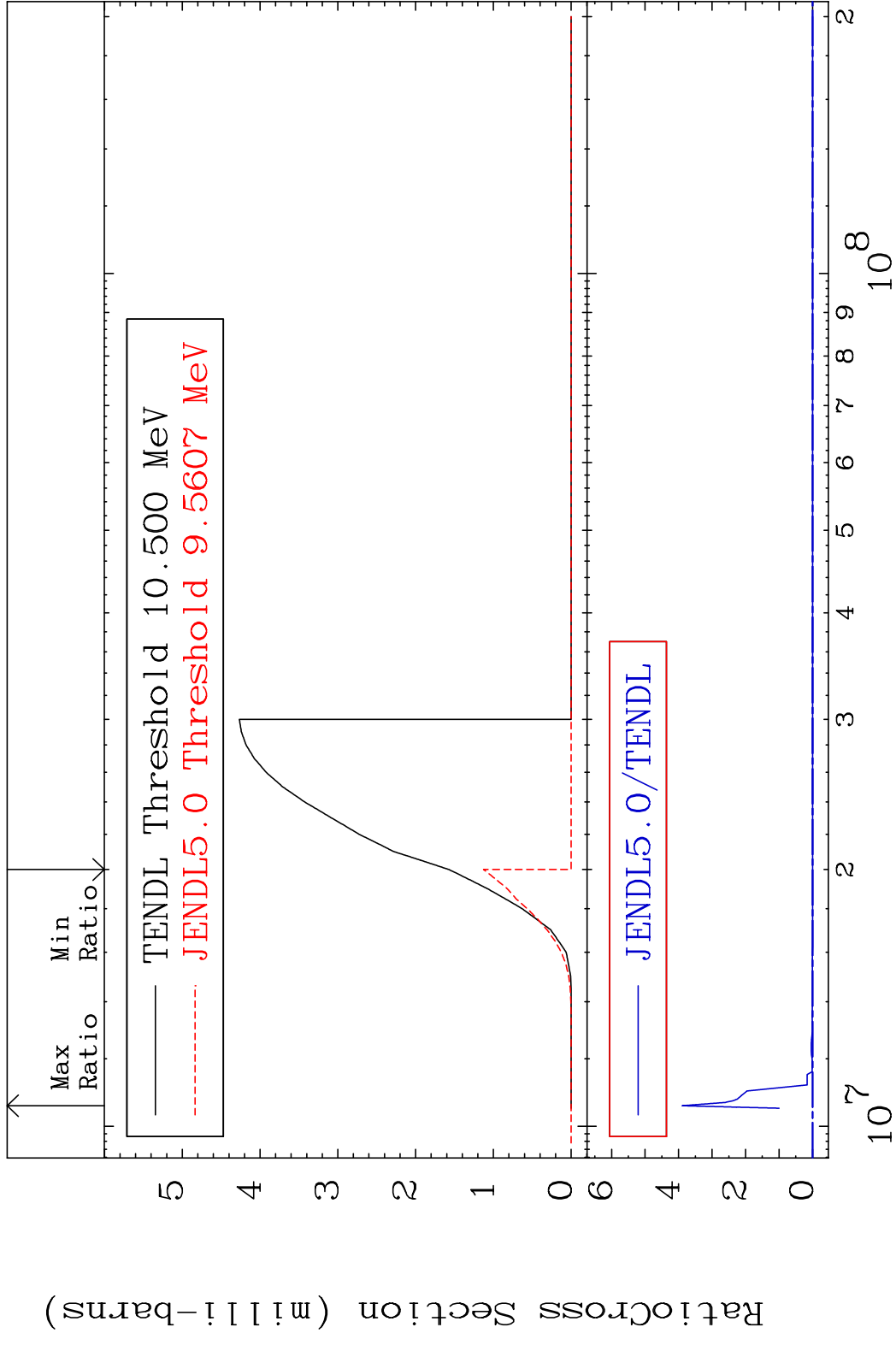


MAT 5055 (n,d):49-In-121g 50-Sn-122
 Radionuclide Production Cross Section 100.0% 9999. %



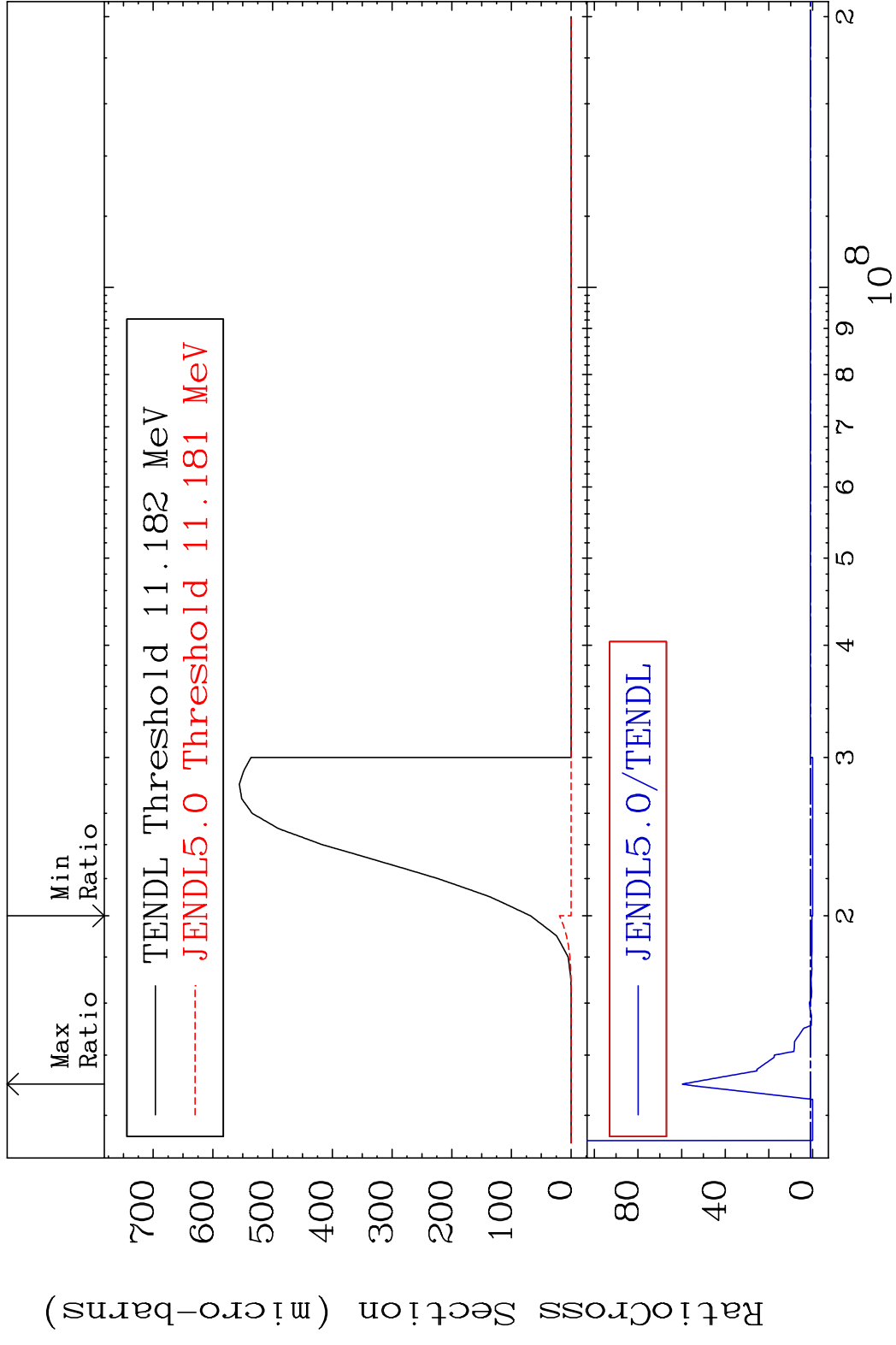
68 Incident Energy (eV) 50-Sn-122

MAT 5055 (n, d): 49-In-121m1 50-Sn-122
 Radionuclide Production Cross Section (%)

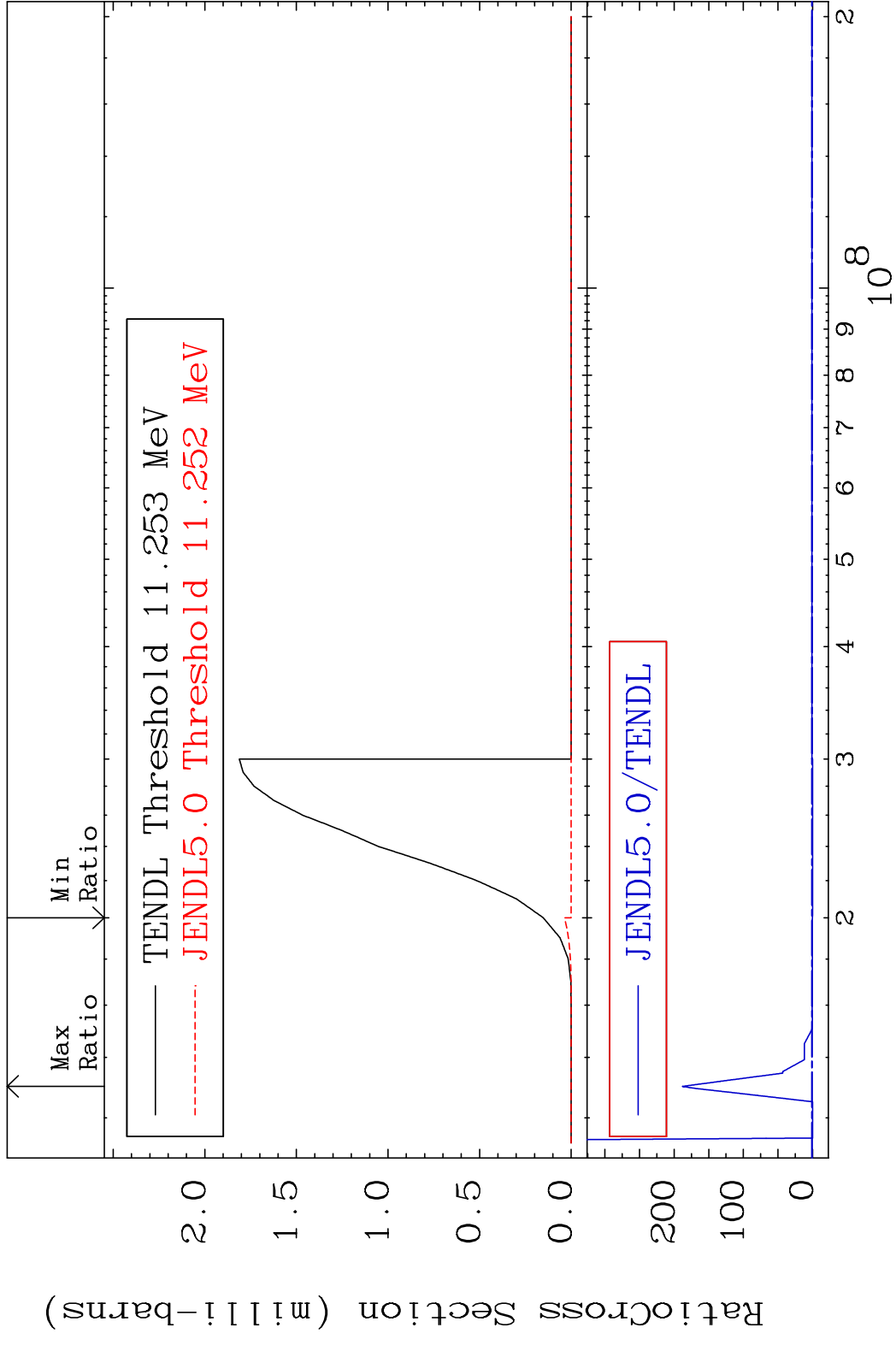


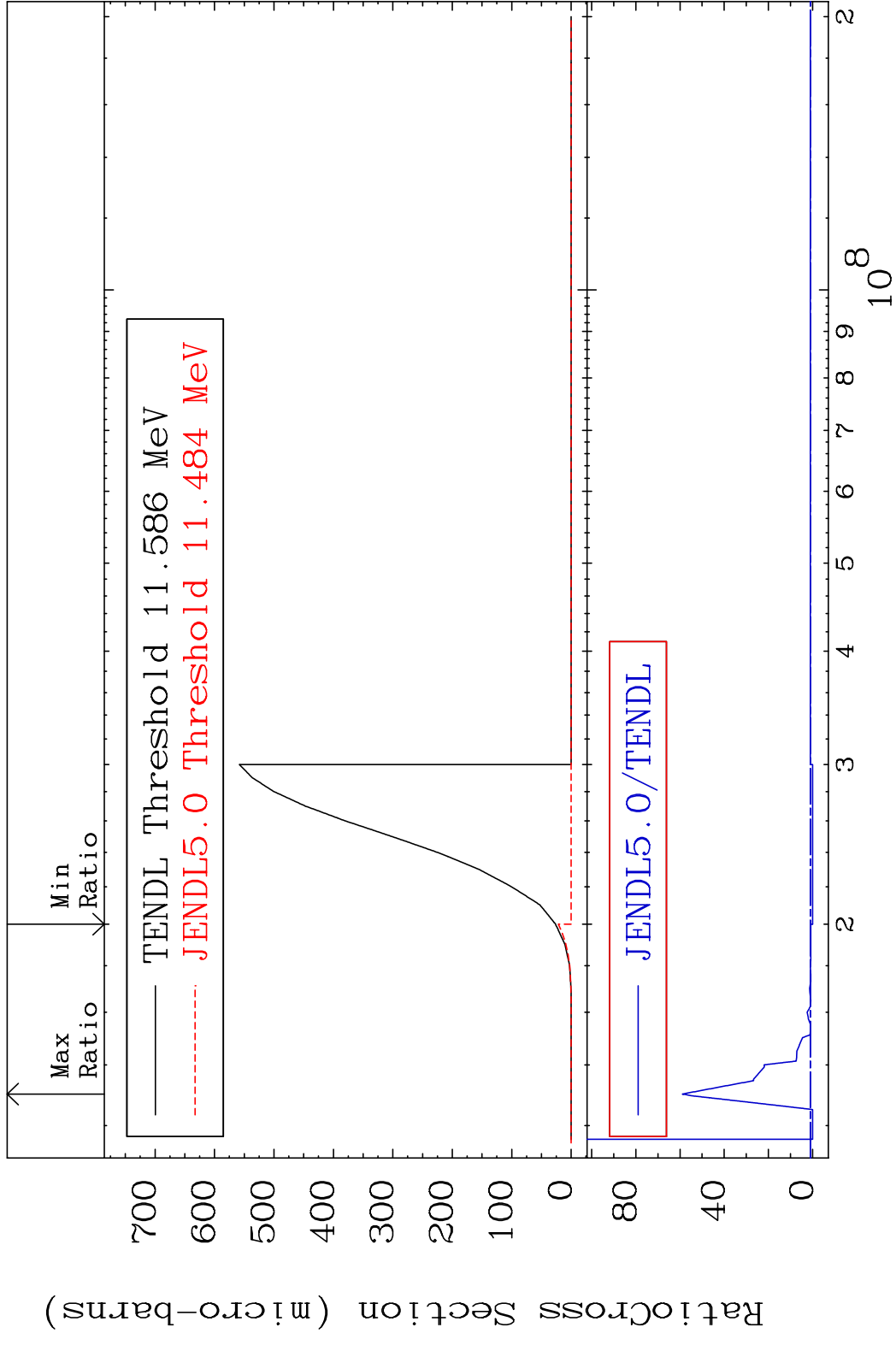
69 Incident Energy (eV) 50-Sn-122

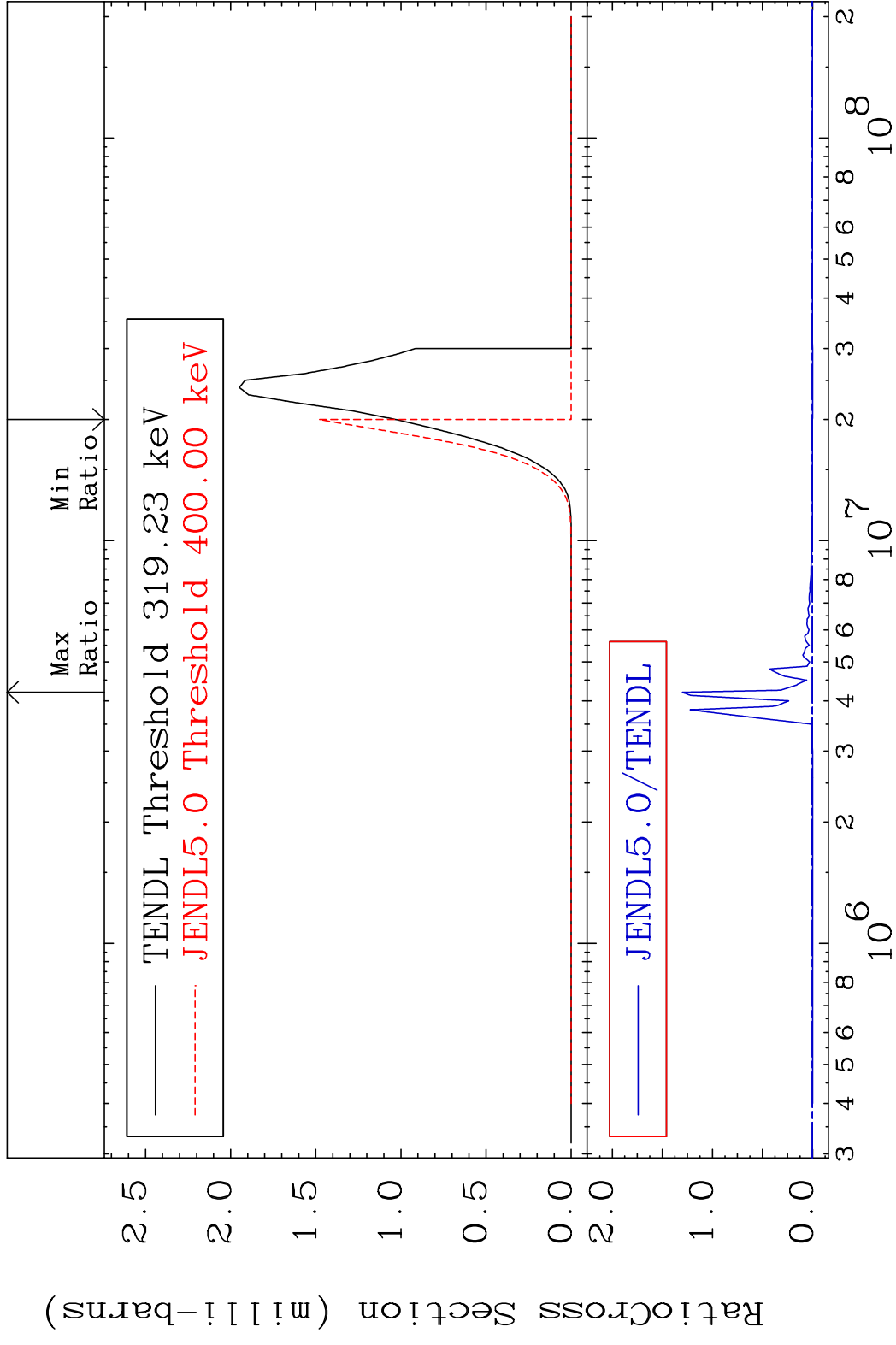
MAT 5055 (n, t): 49-In-120g 50-Sn-122
 Radionuclide Production Cross Section 1800 dth 5865. %

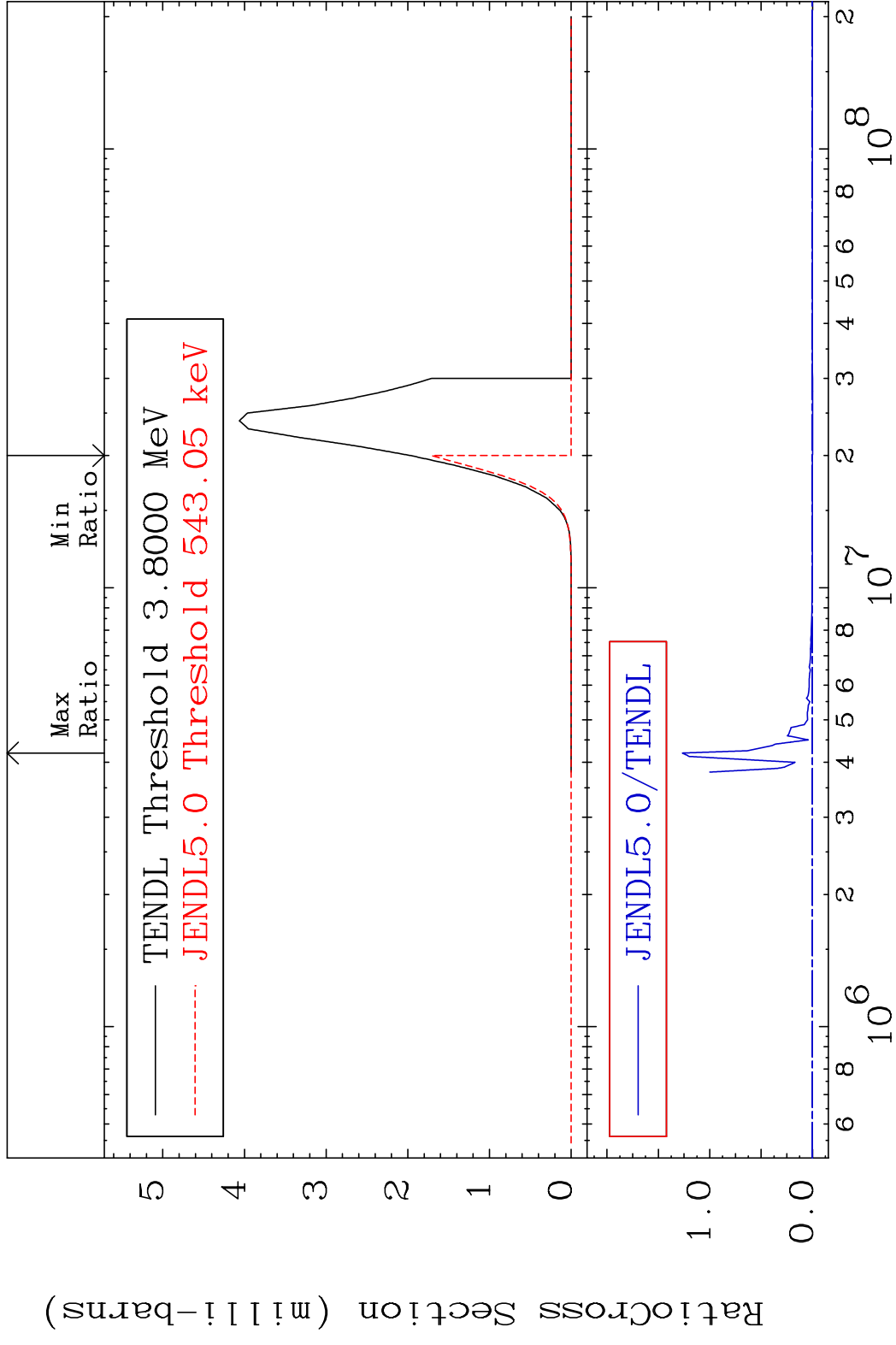


70 Incident Energy (eV) 50-Sn-122

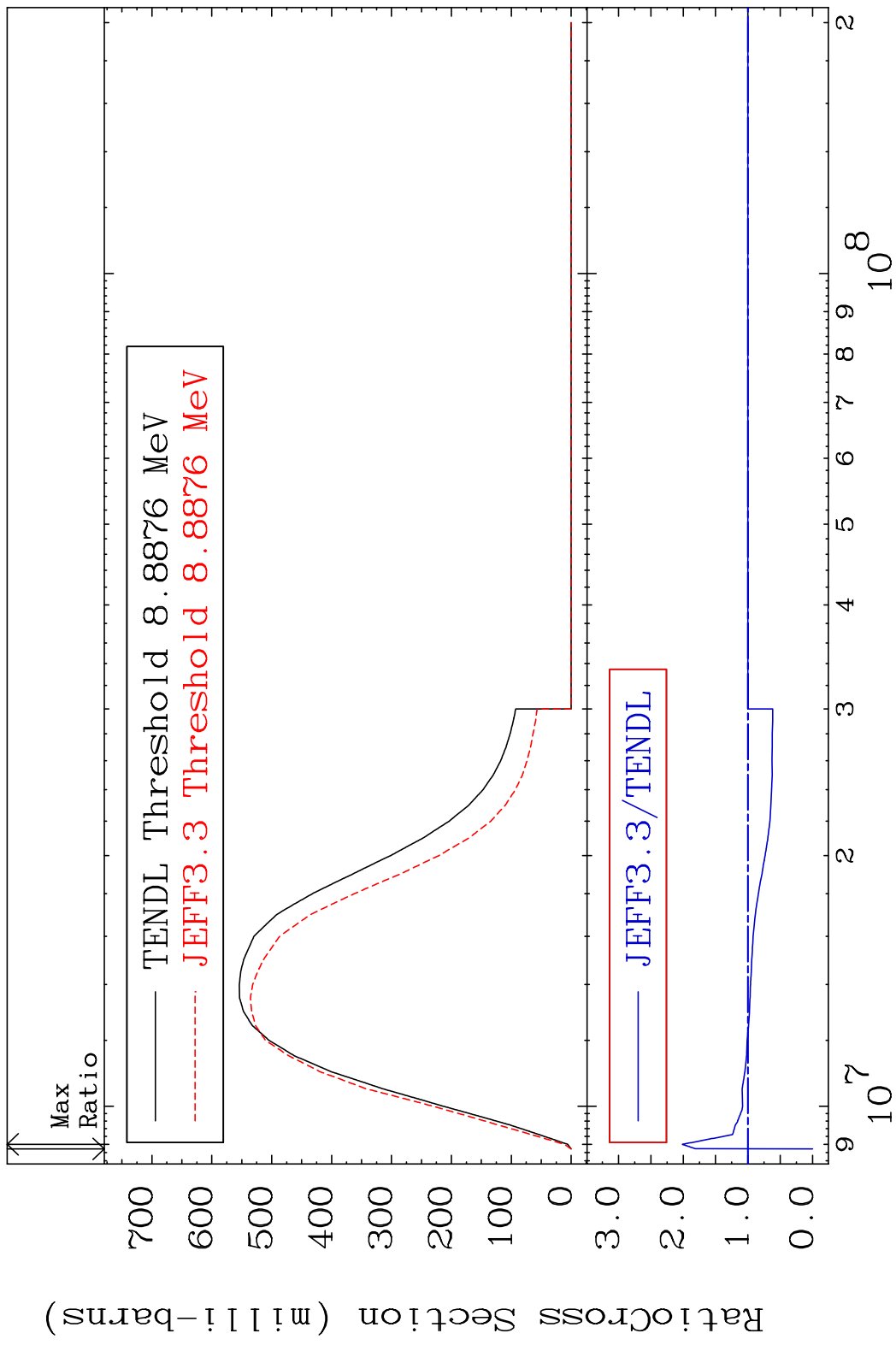






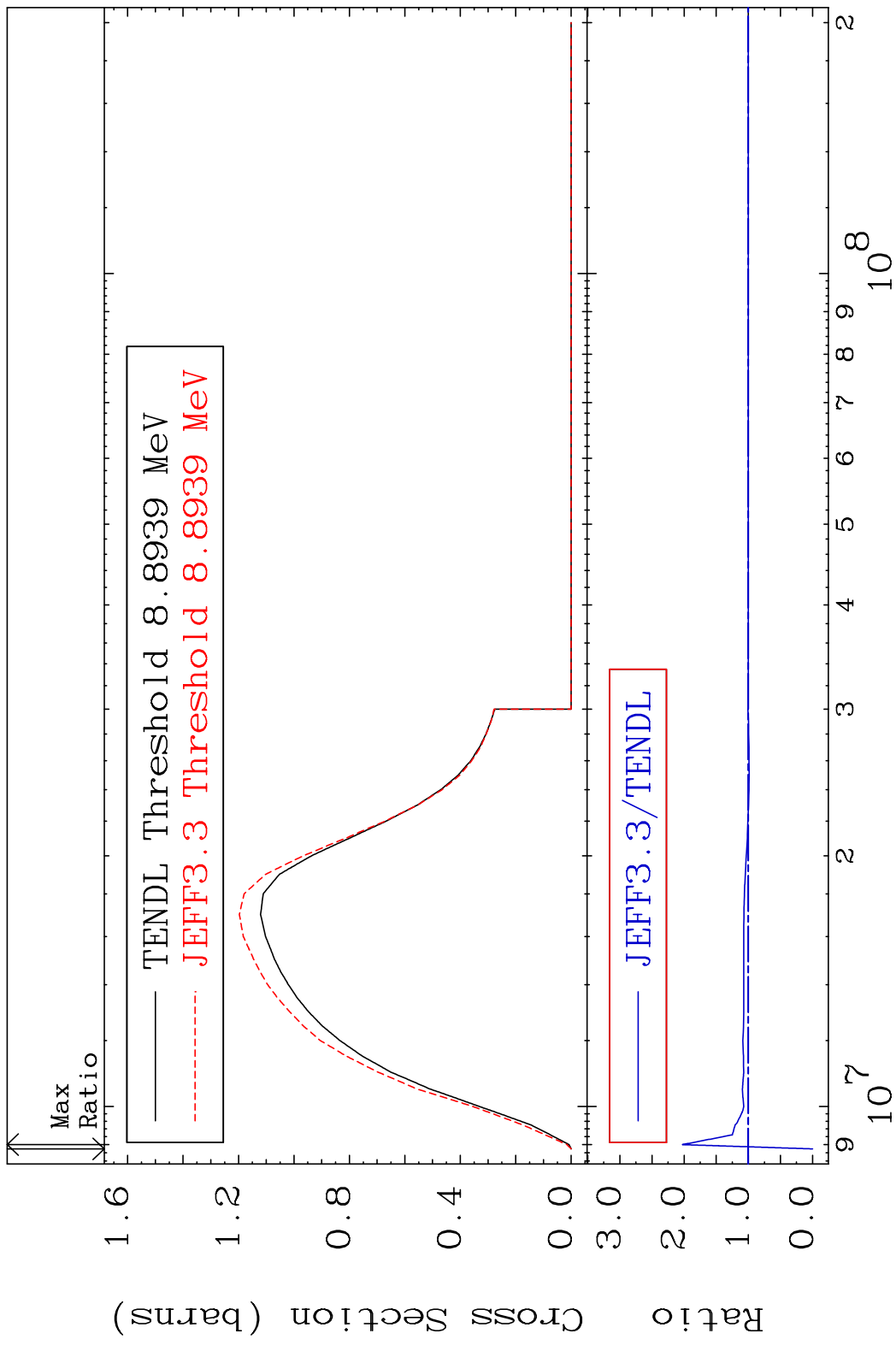


MAT 5055 (n,2n):50-Sn-121g 50-Sn-122
 Radionuclide Production Cross Section 100.0 mb 101.4 %



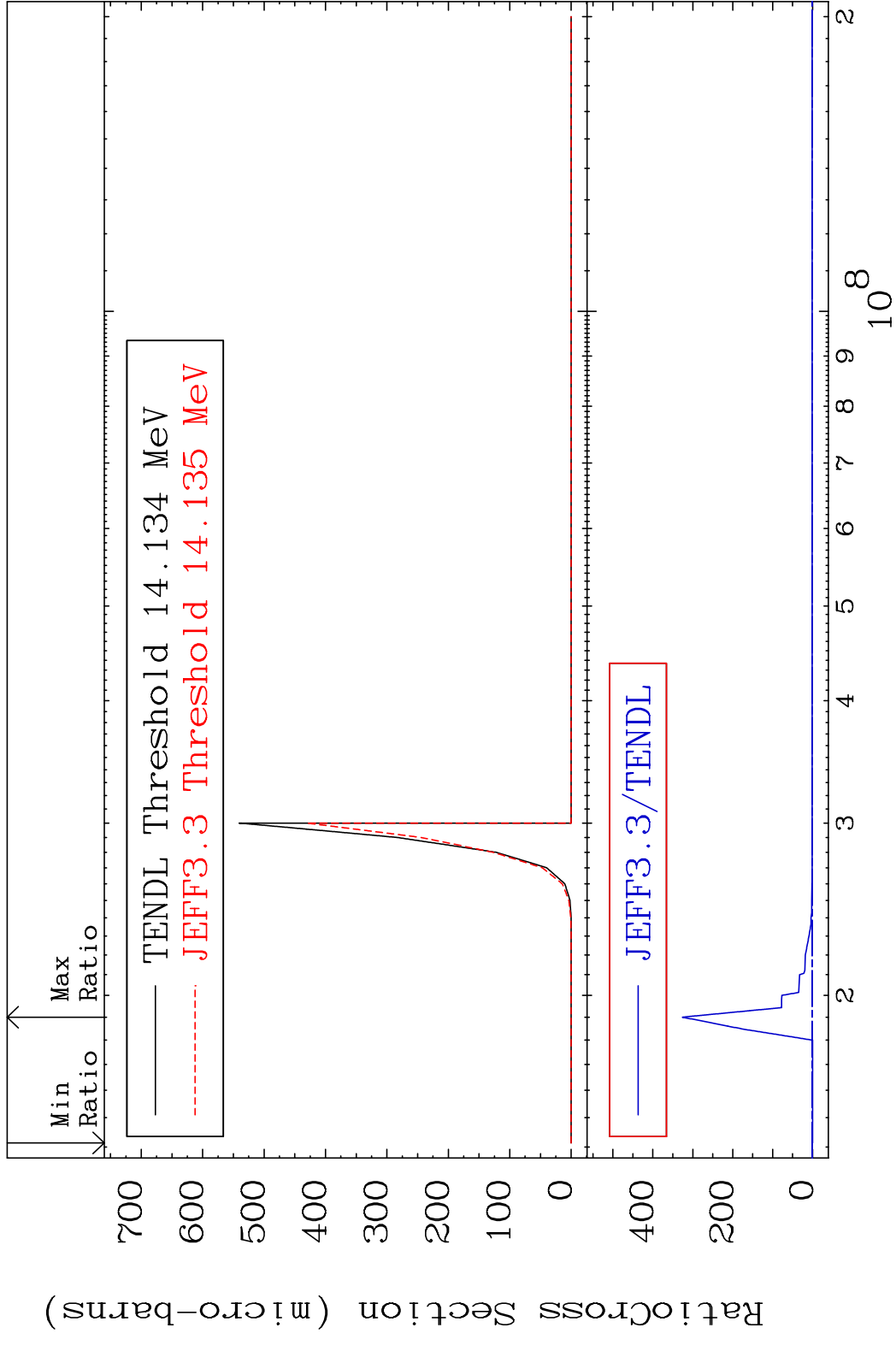
75 50-Sn-122

MAT 5055 (n,2n):50-Sn-121m1 50-Sn-122
 Radionuclide Production Cross Section 100.0 %
 Ratio 102.7 %

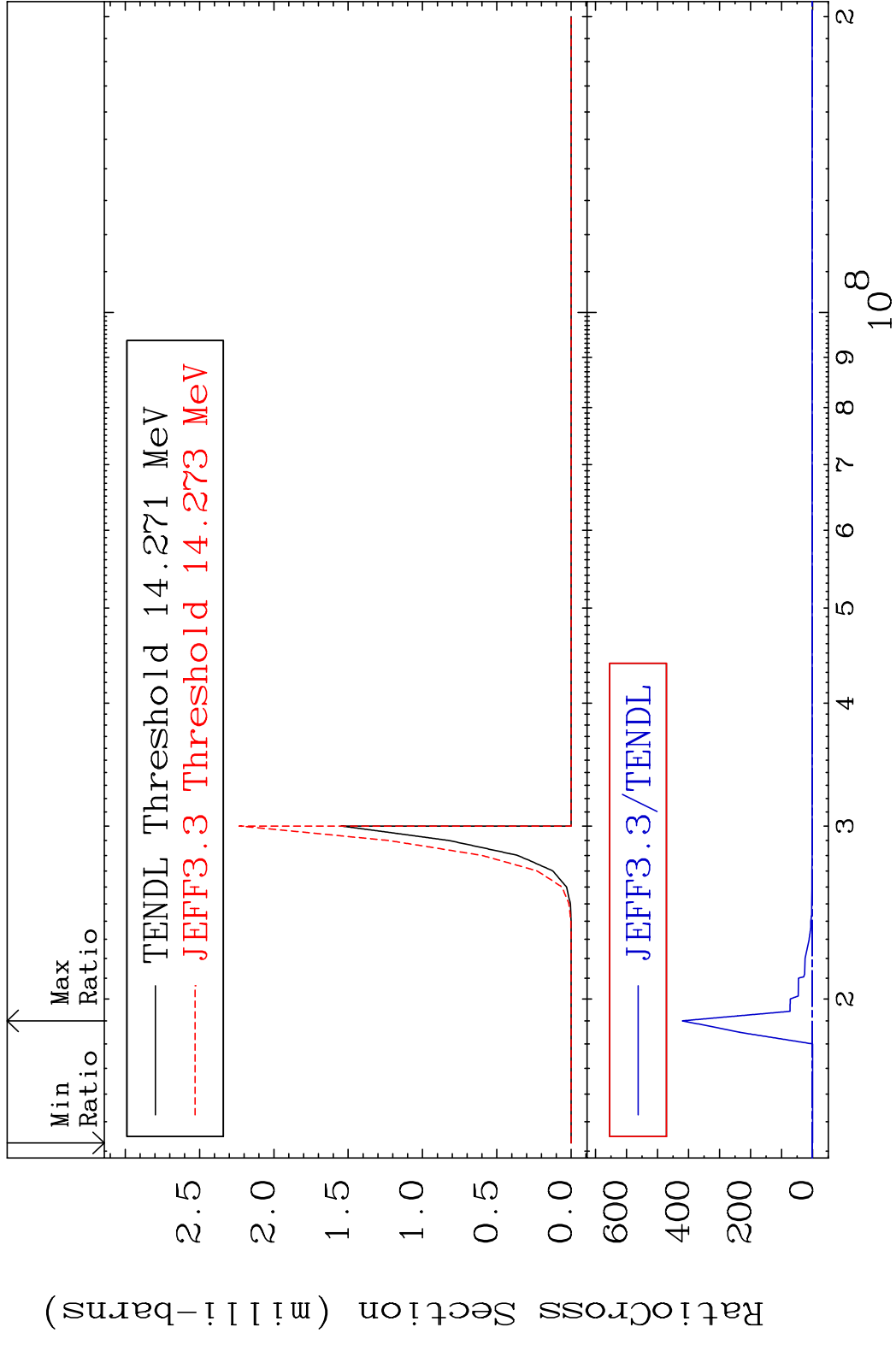


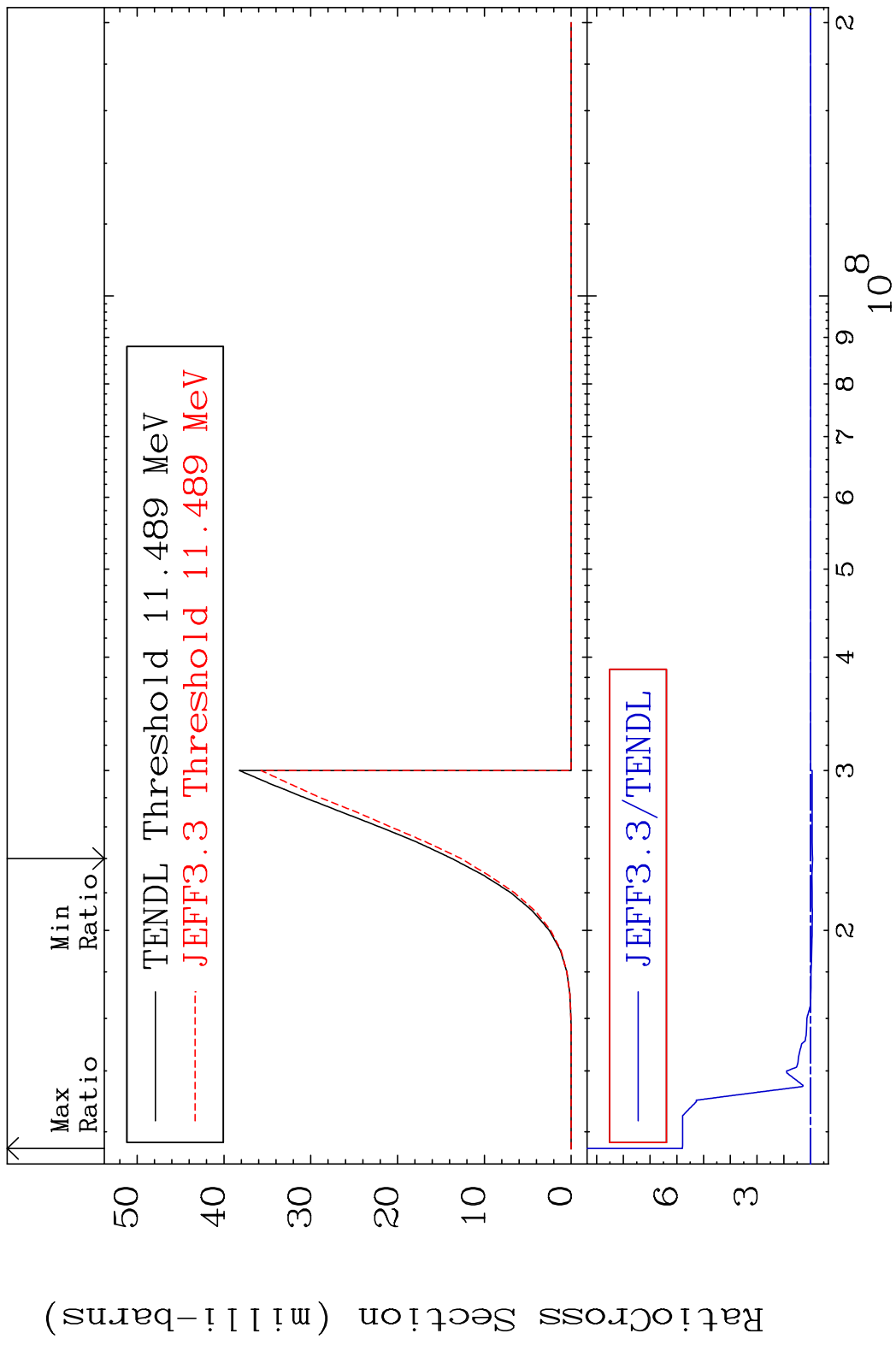
76 Incident Energy (eV) 50-Sn-122

MAT 5055 (n,2n) α :48-Cd-117g 50-Sn-122
 Radionuclide Production Cross Section to 9999. %

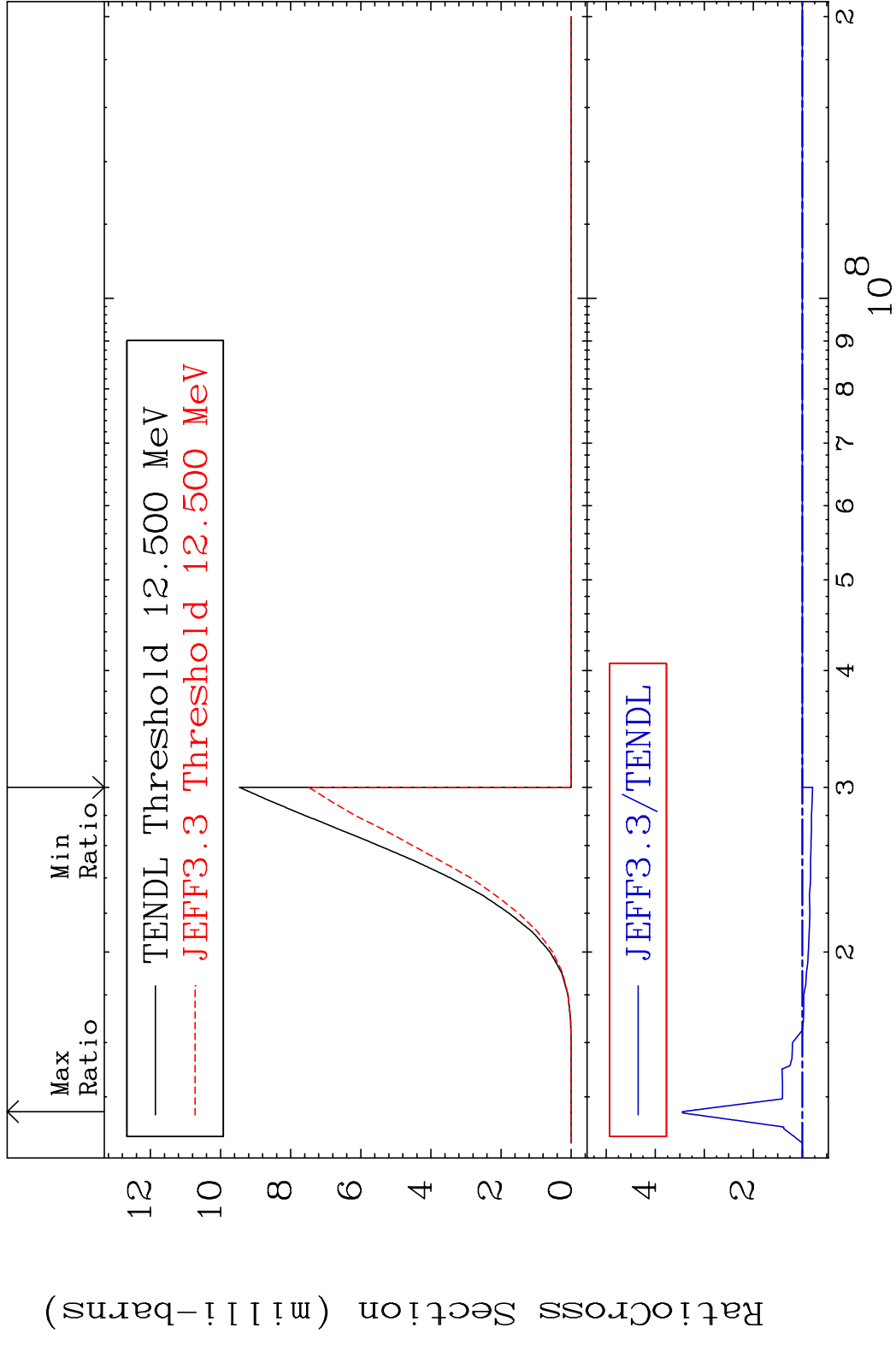


MAT 5055 (n,2n) α :48-Cd-117m2 50-Sn-122
 Radionuclide Production Cross Section 100.00 dth 9999. %

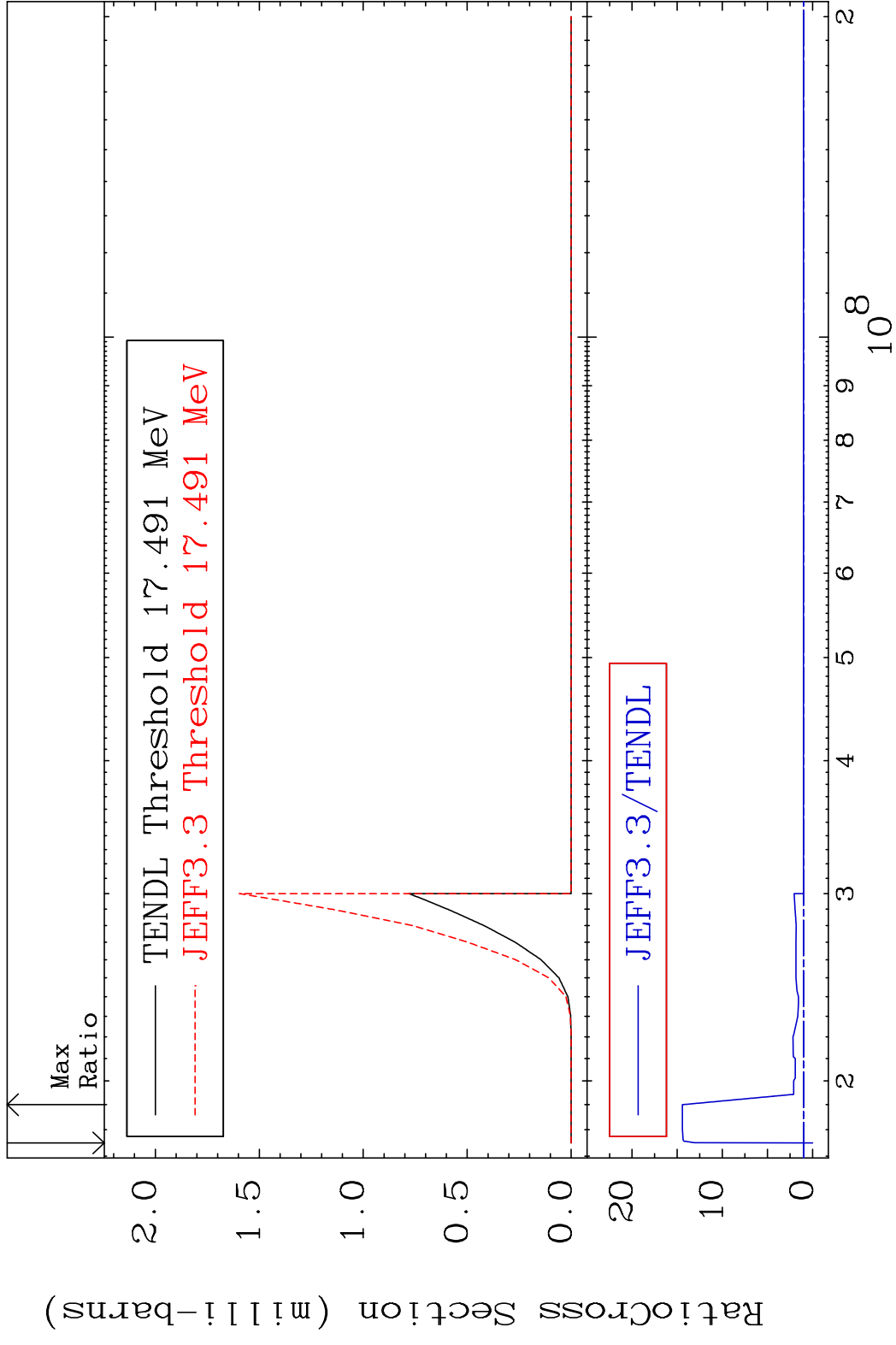




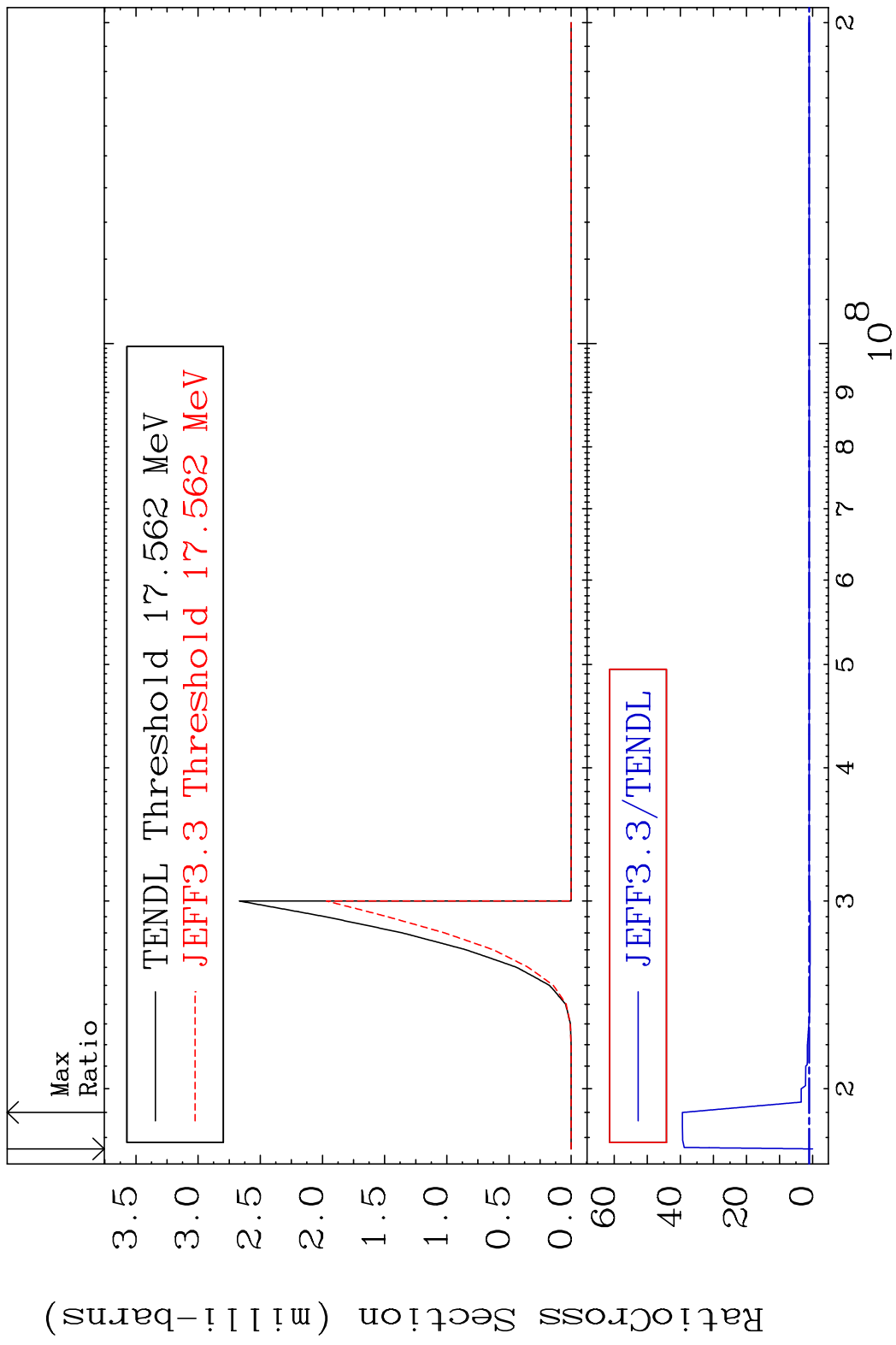
MAT 5055 (n, n') p:49-In-121m1 50-Sn-122
 Radionuclide Production Cross Section to 244.7 %



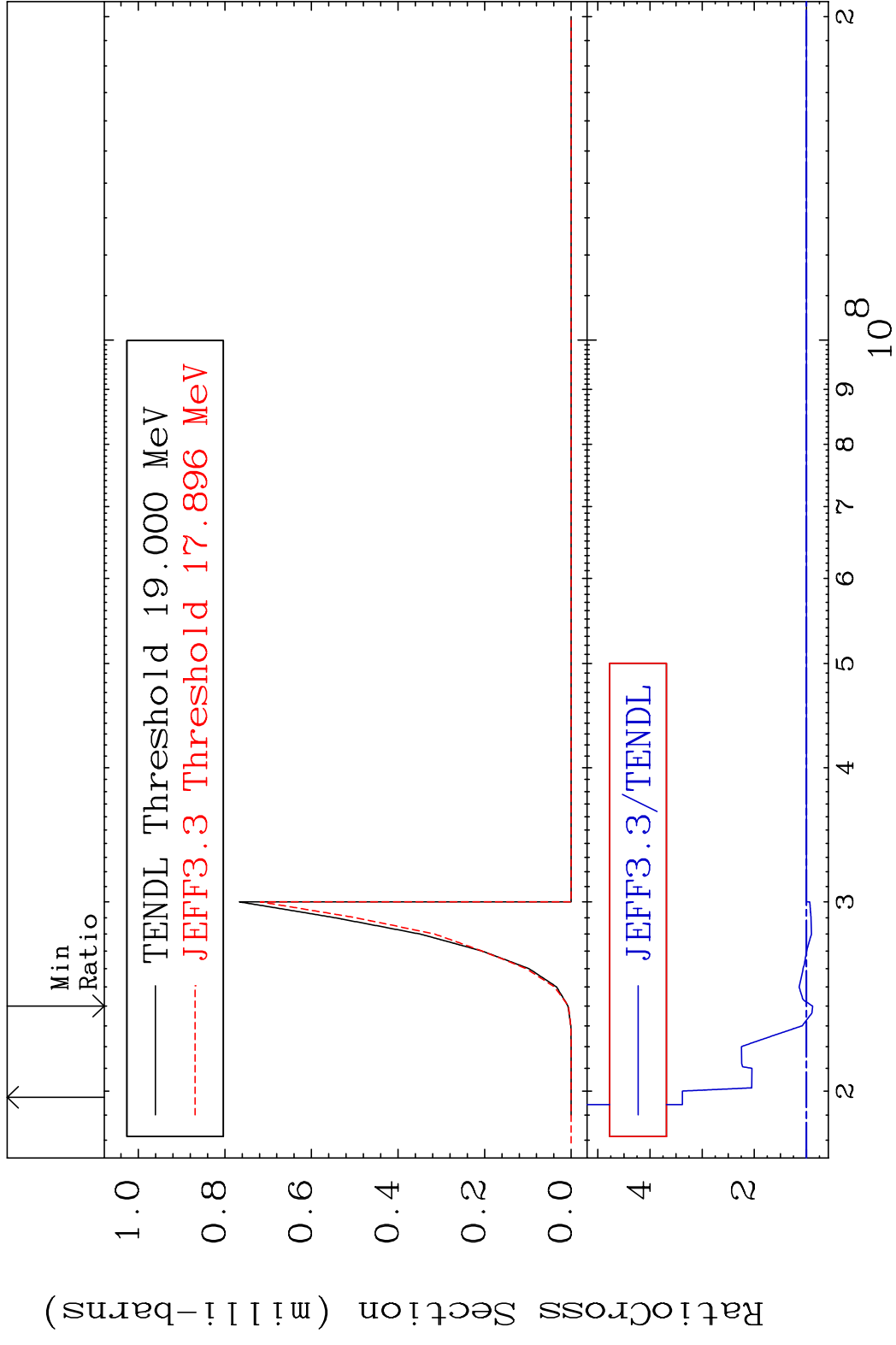
MAT 5055 (n, n') d:49-In-120g 50-Sn-122
 Radionuclide Production Cross Section 1343. %



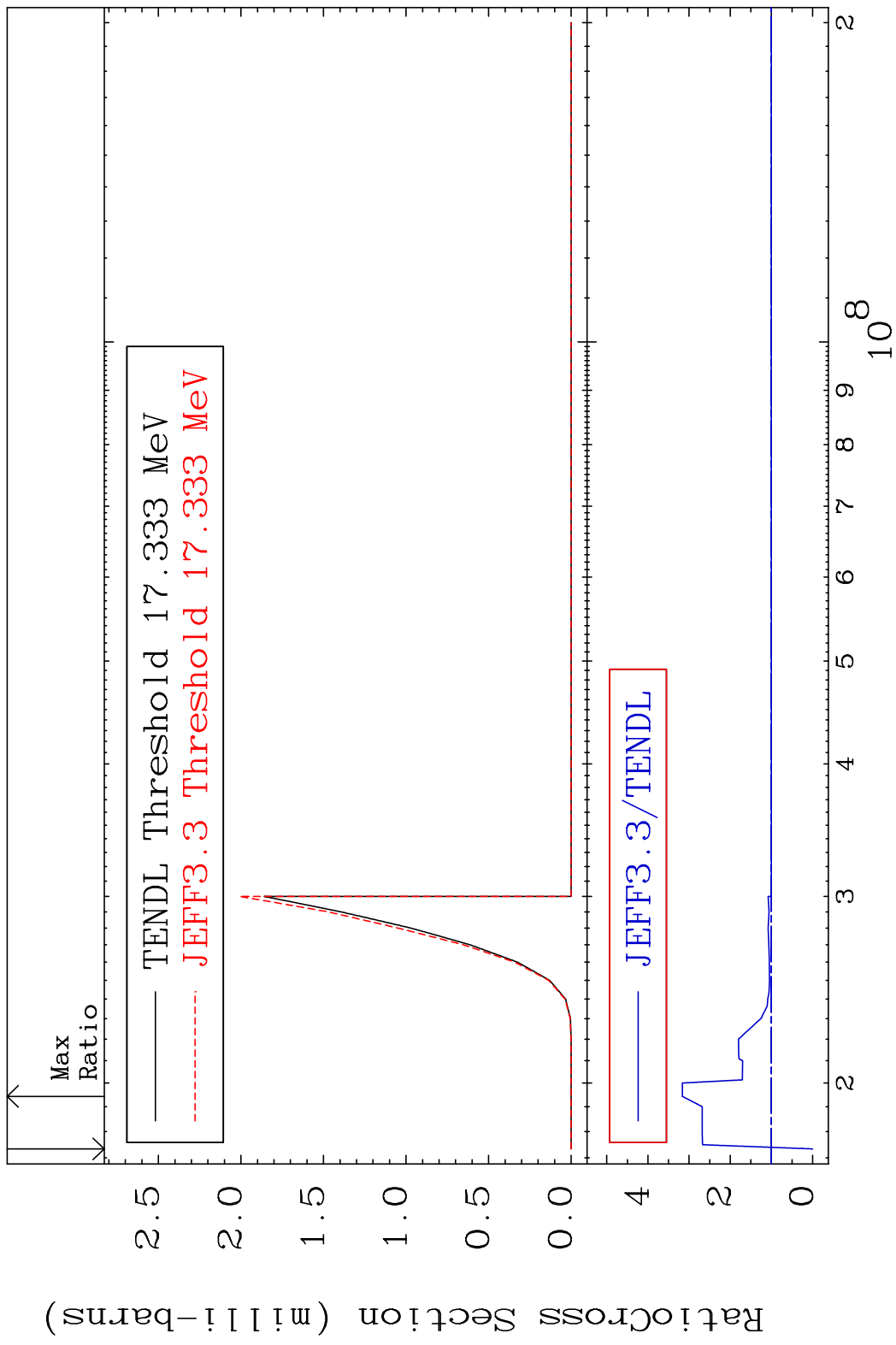
MAT 5055 (n, n') d:49-In-120m1 50-Sn-122
 Radionuclide Production Cross Section to 3840. %

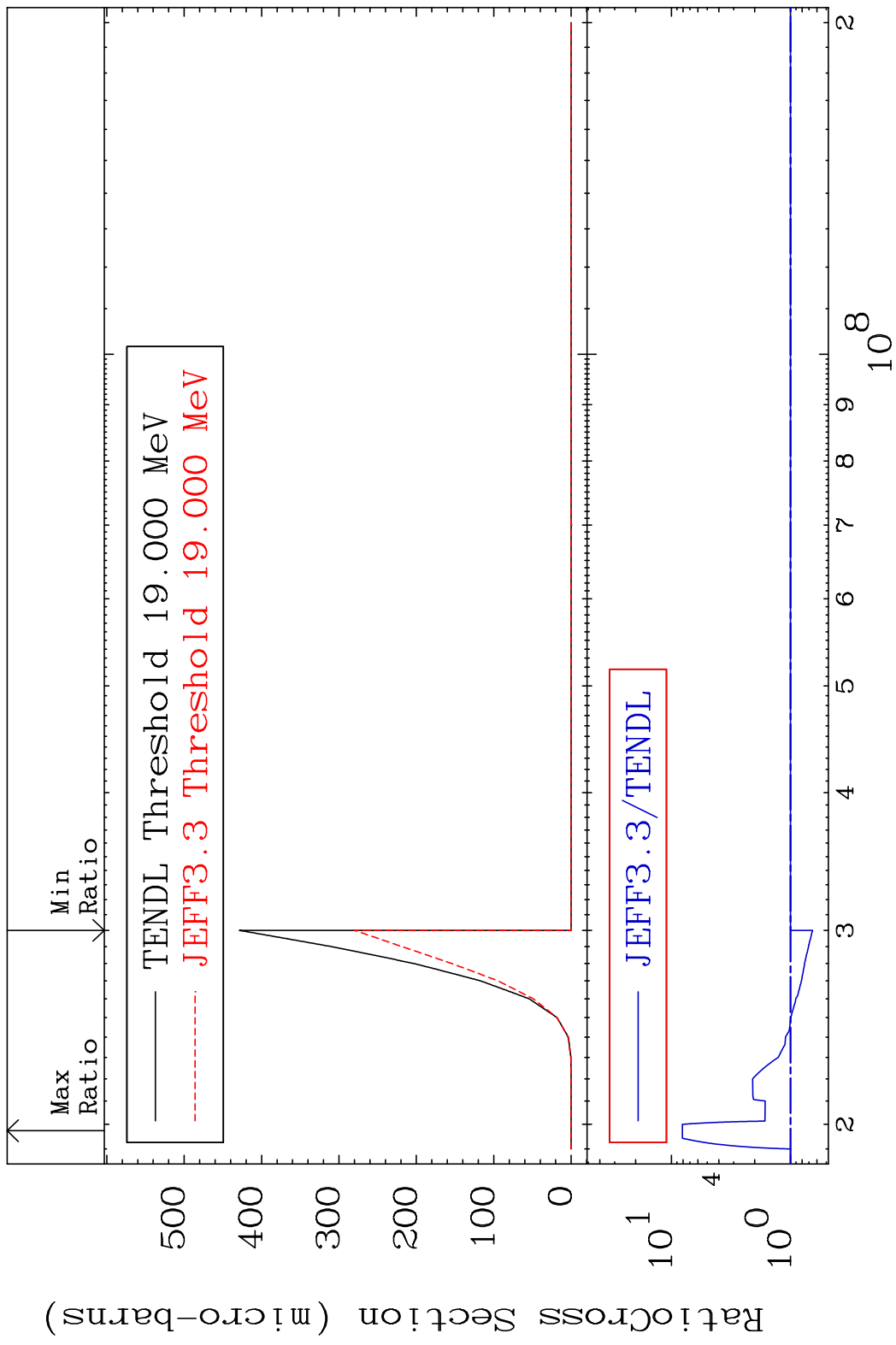


MAT 5055 (n, n') d:49-In-120m2 50-Sn-122
 Radionuclide Production Cross Section 237.9 %

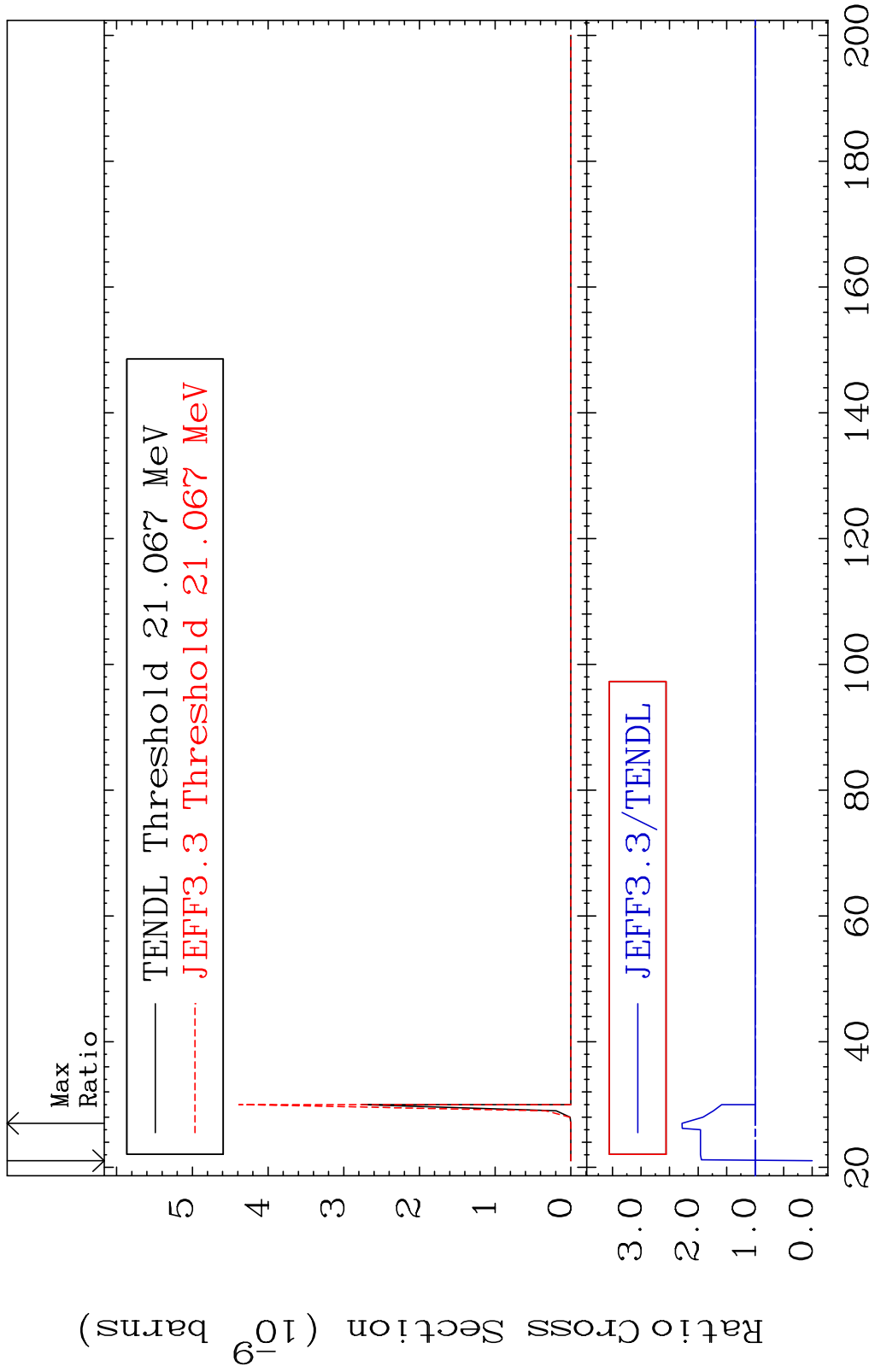


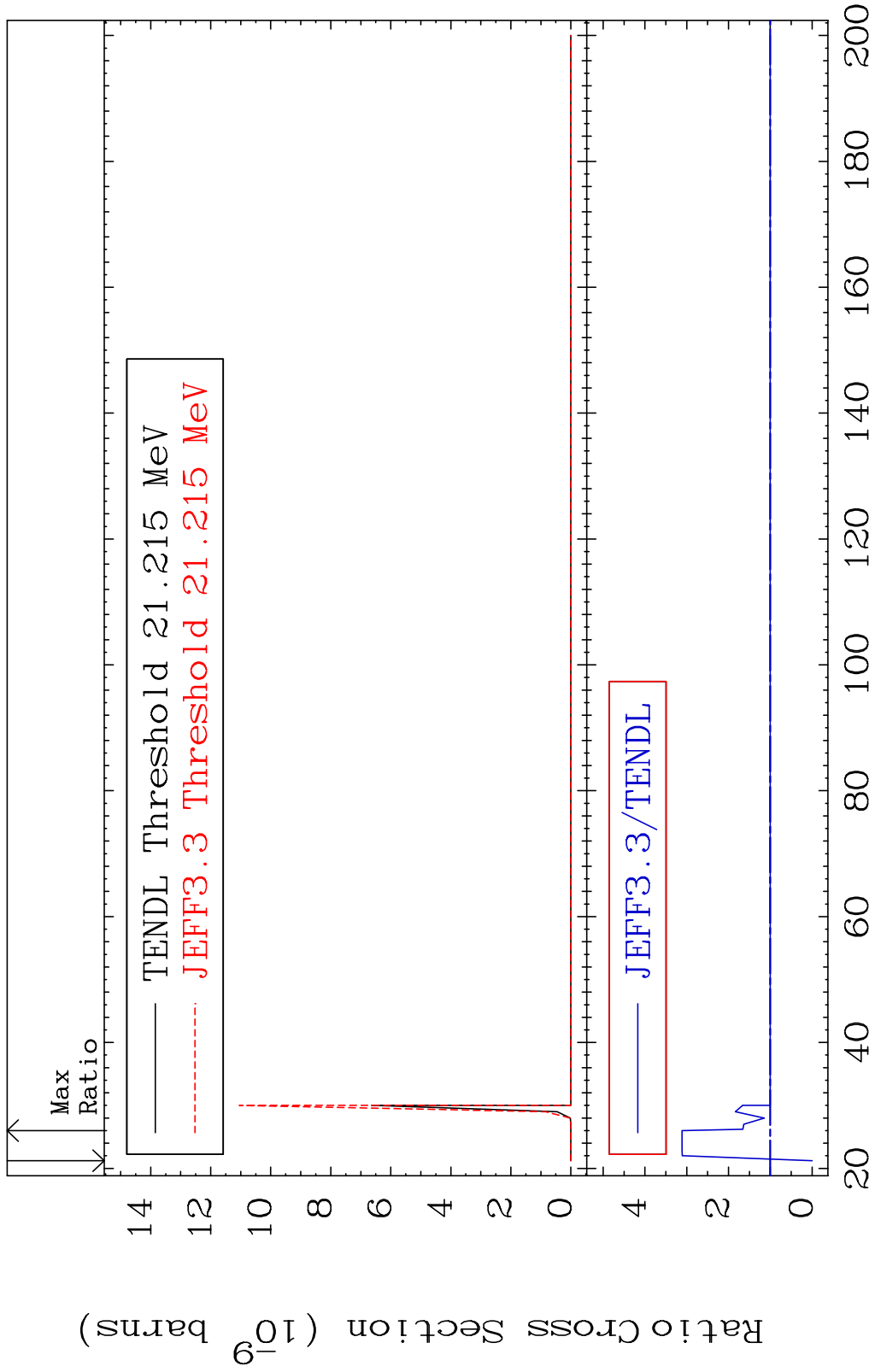
MAT 5055 (n, n') t:49-In-119g 50-Sn-122
 Radionuclide Production Cross Section 180.0 dth 216.3 %



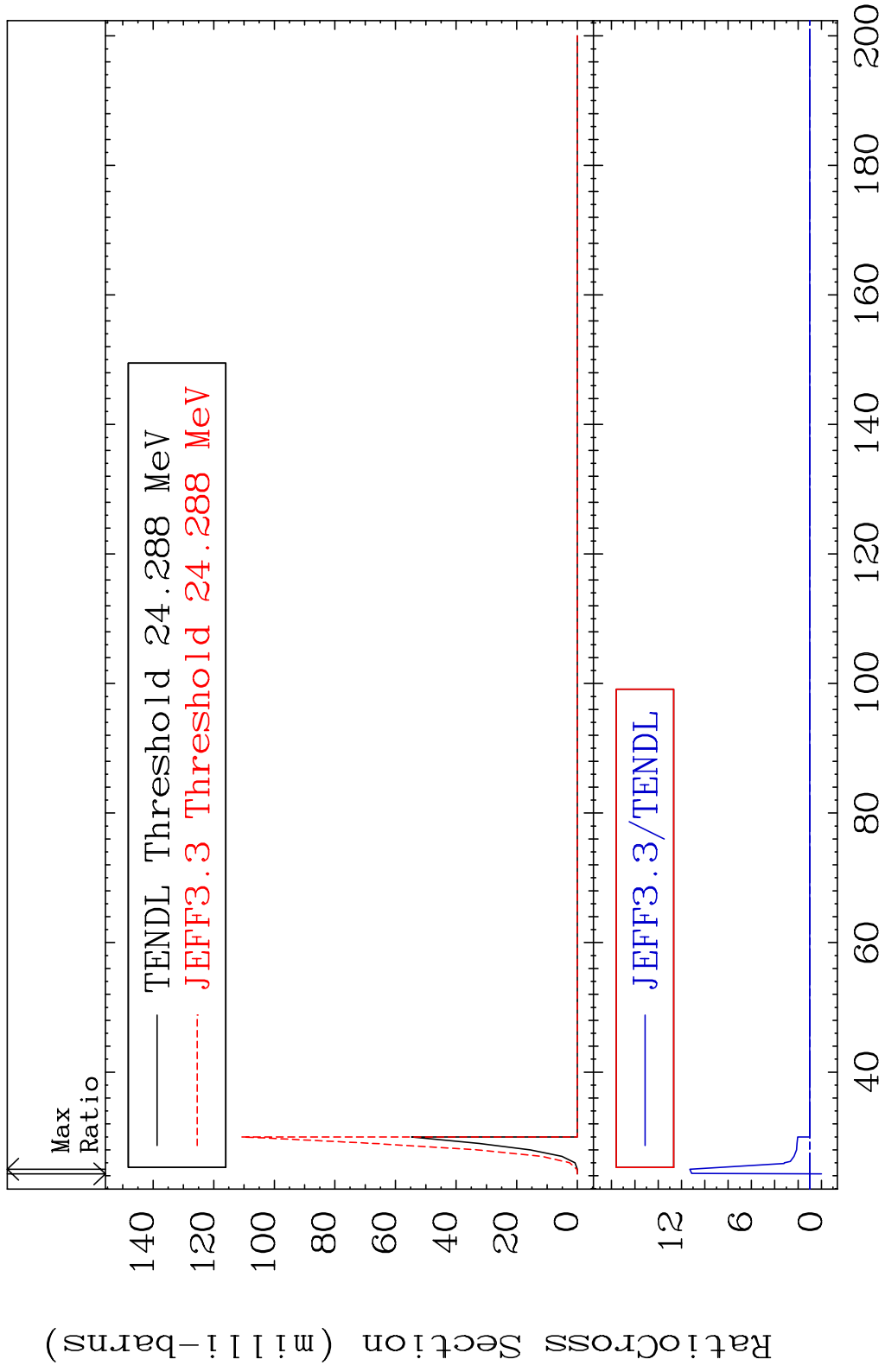


MAT 5055 (n, n') He-3:48-Cd-119g 50-Sn-122
 Radionuclide Production Cross Section 180.01 dth 128.3 %

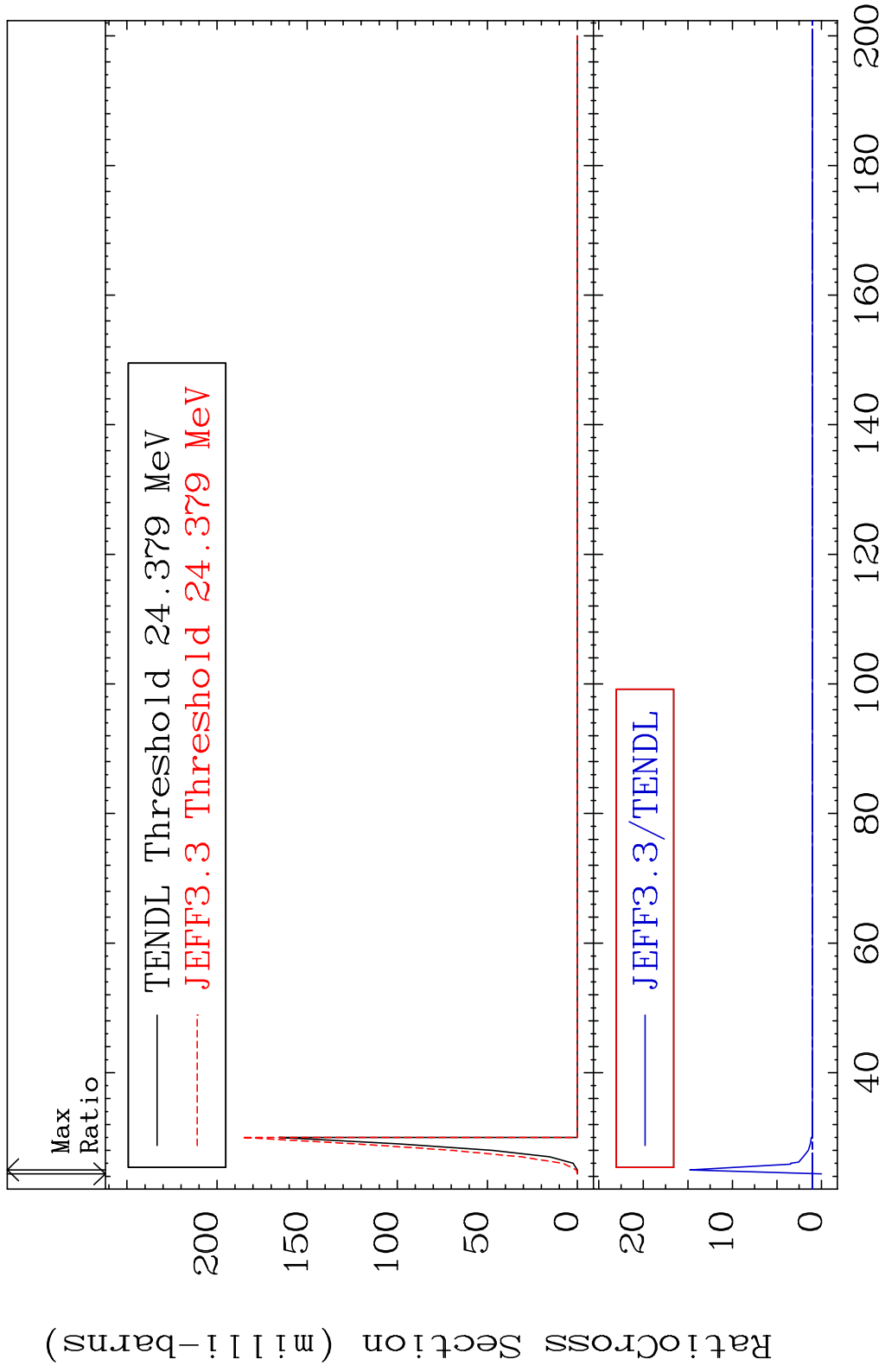




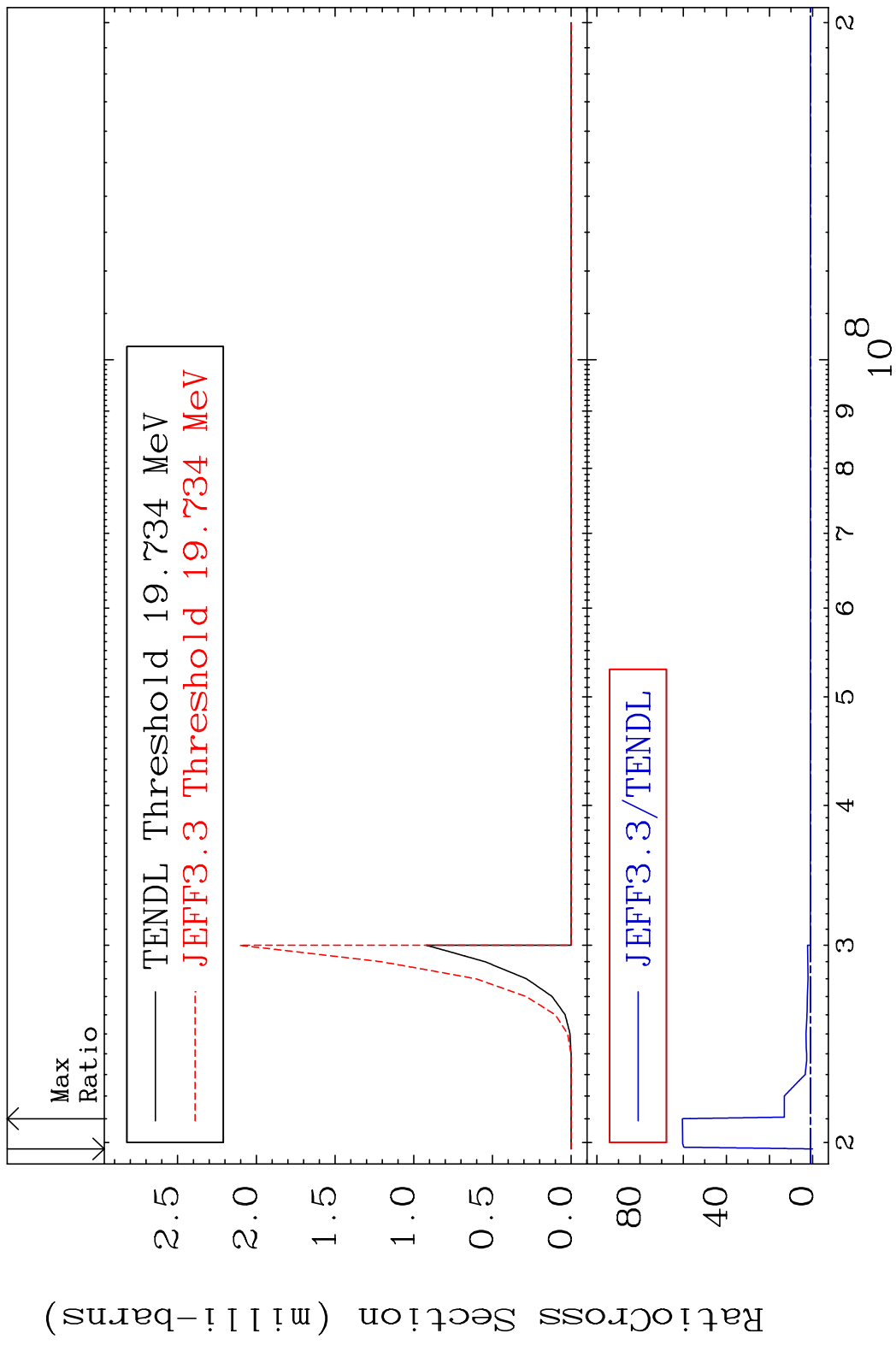
MAT 5055 (n,4n):50-Sn-119g 50-Sn-122
 Radionuclide Production Cross Section 100.00 to 1029.00 %

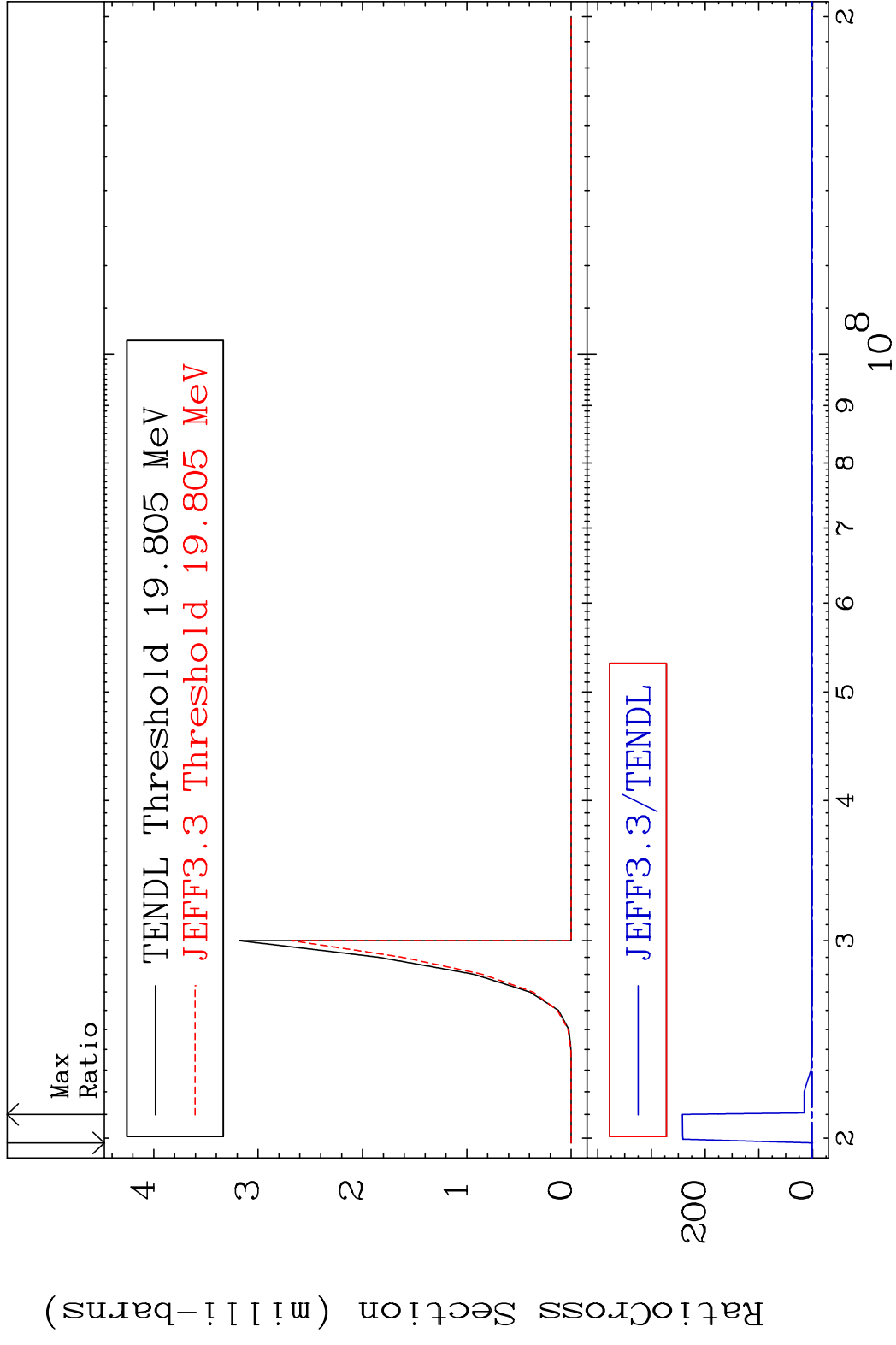


MAT 5055 (n, 4n):50-Sn-119m2 50-Sn-122
 Radionuclide Production Cross Section 1378.0 %
 Radionuclide Production Cross Section 1378.0 %

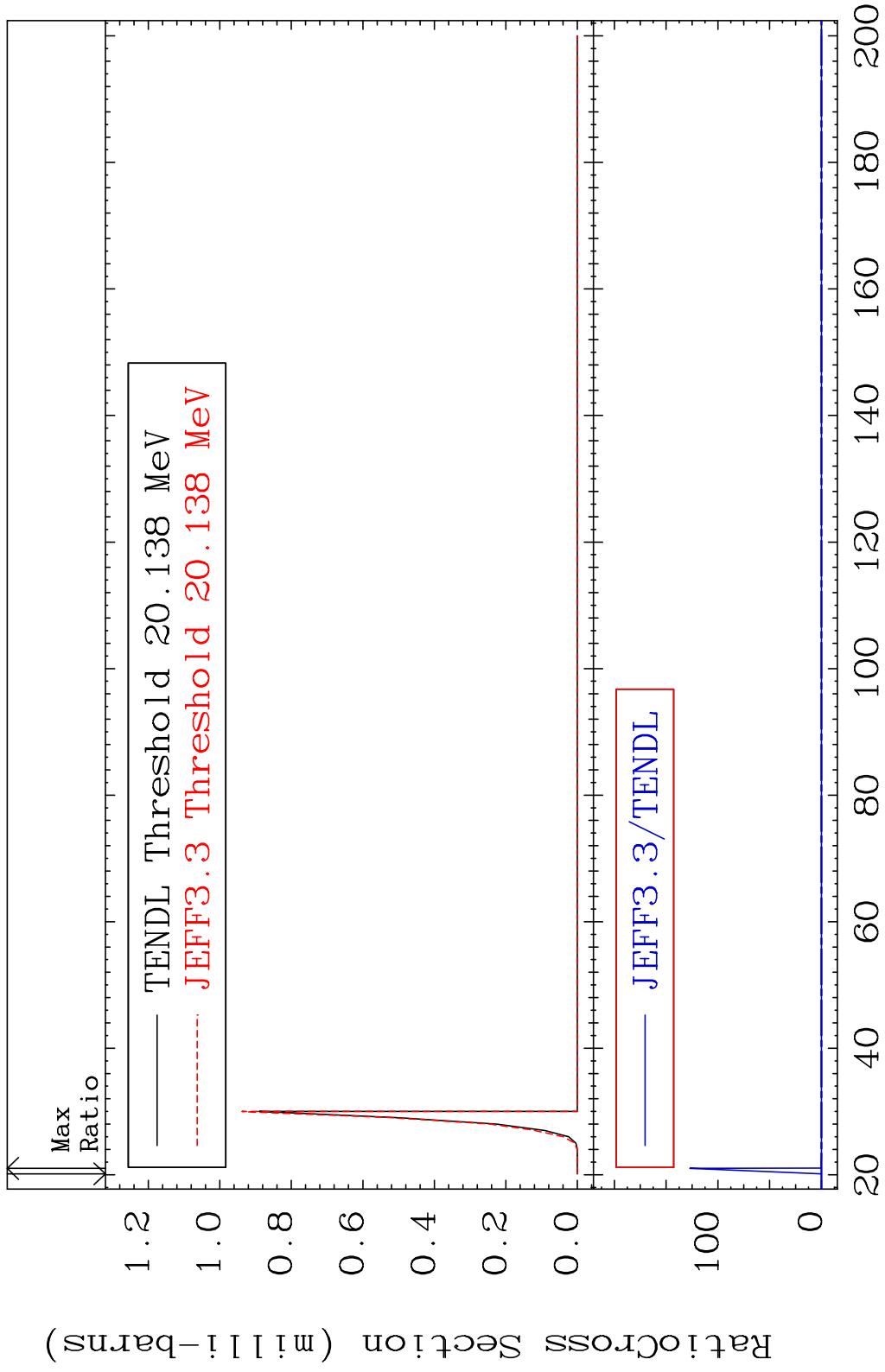


MAT 5055 (n,2n) p:49-In-120g 50-Sn-122
 Radionuclide Production Cross Section 1800 d to 5939. %



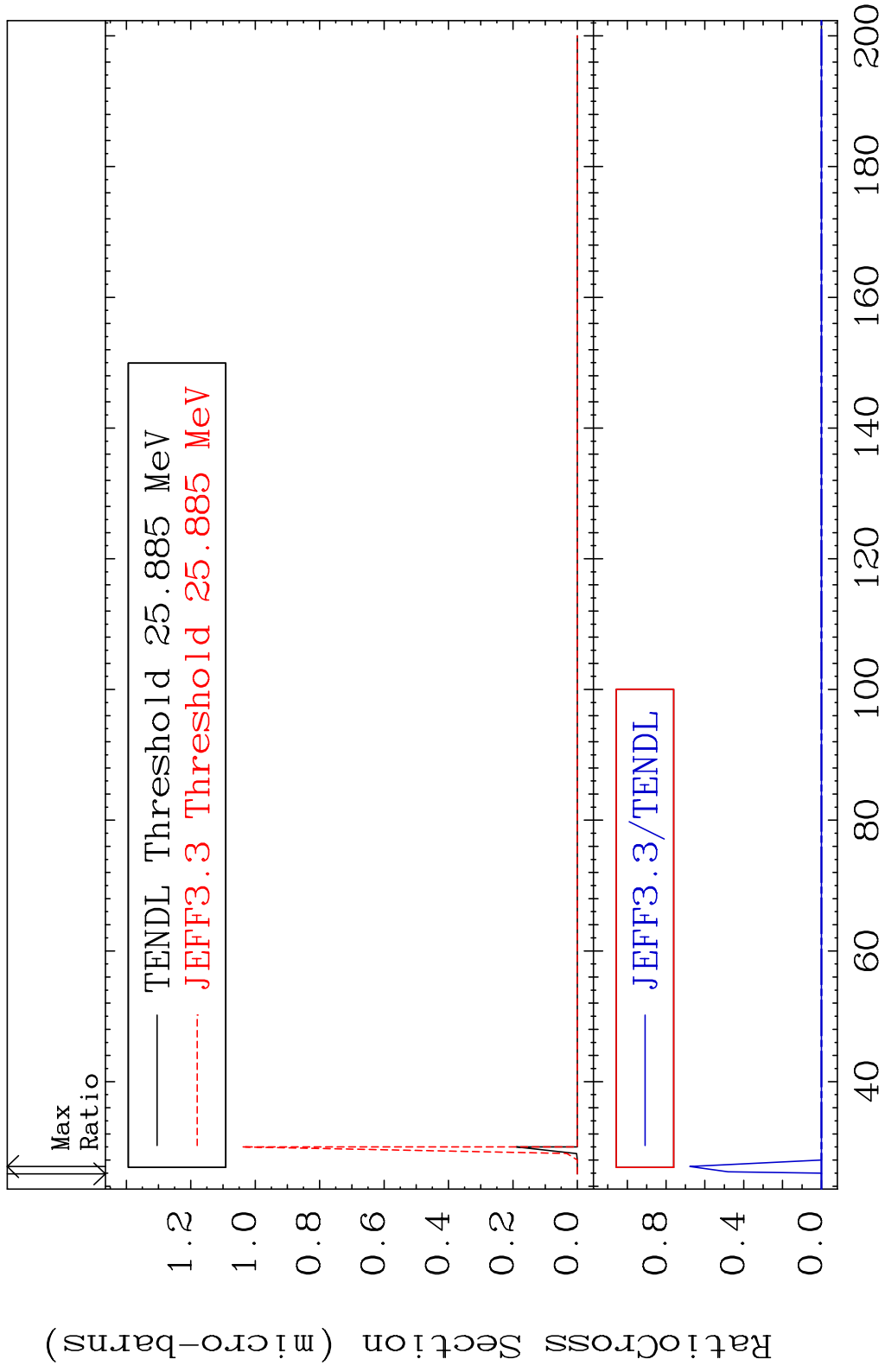


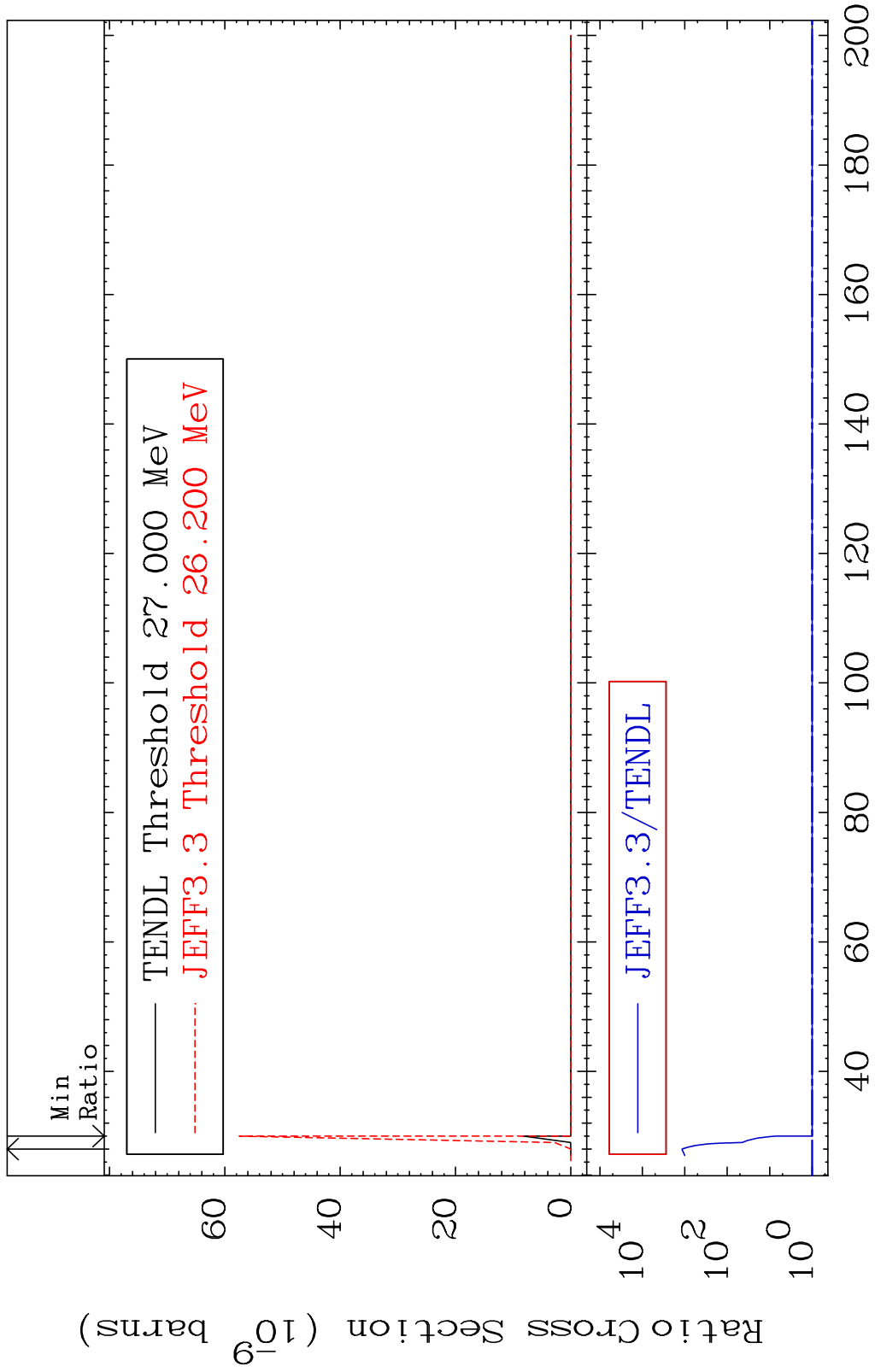
MAT 5055 (n,2n) p:49-In-120m2 50-Sn-122
 Radionuclide Production Cross Section 100.00 dth 9999. %



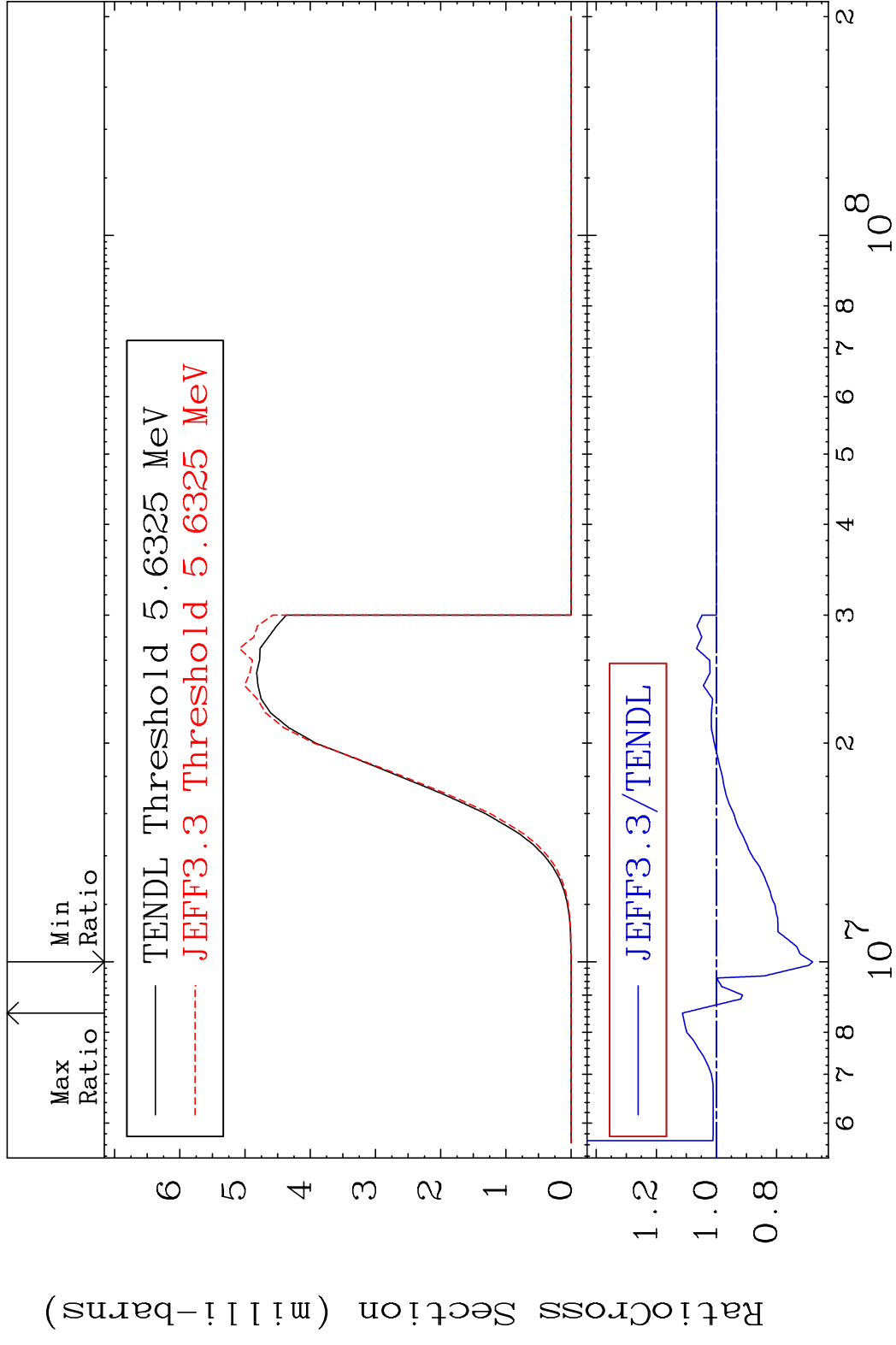
92 50-Sn-122

MAT 5055 (n,3n) p:49-In-119g 50-Sn-122
 Radionuclide Production Cross Section Ratio 9999. %

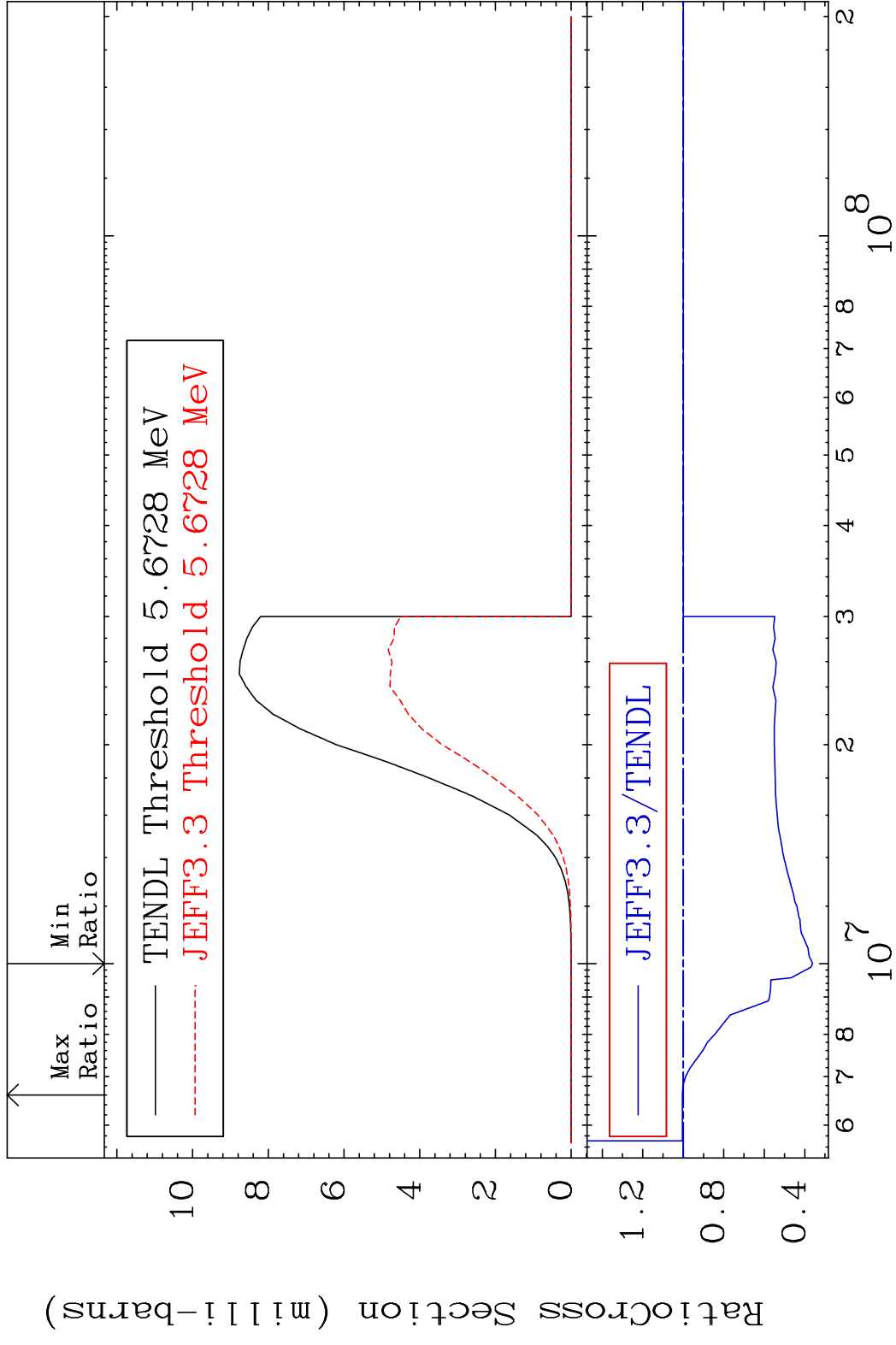




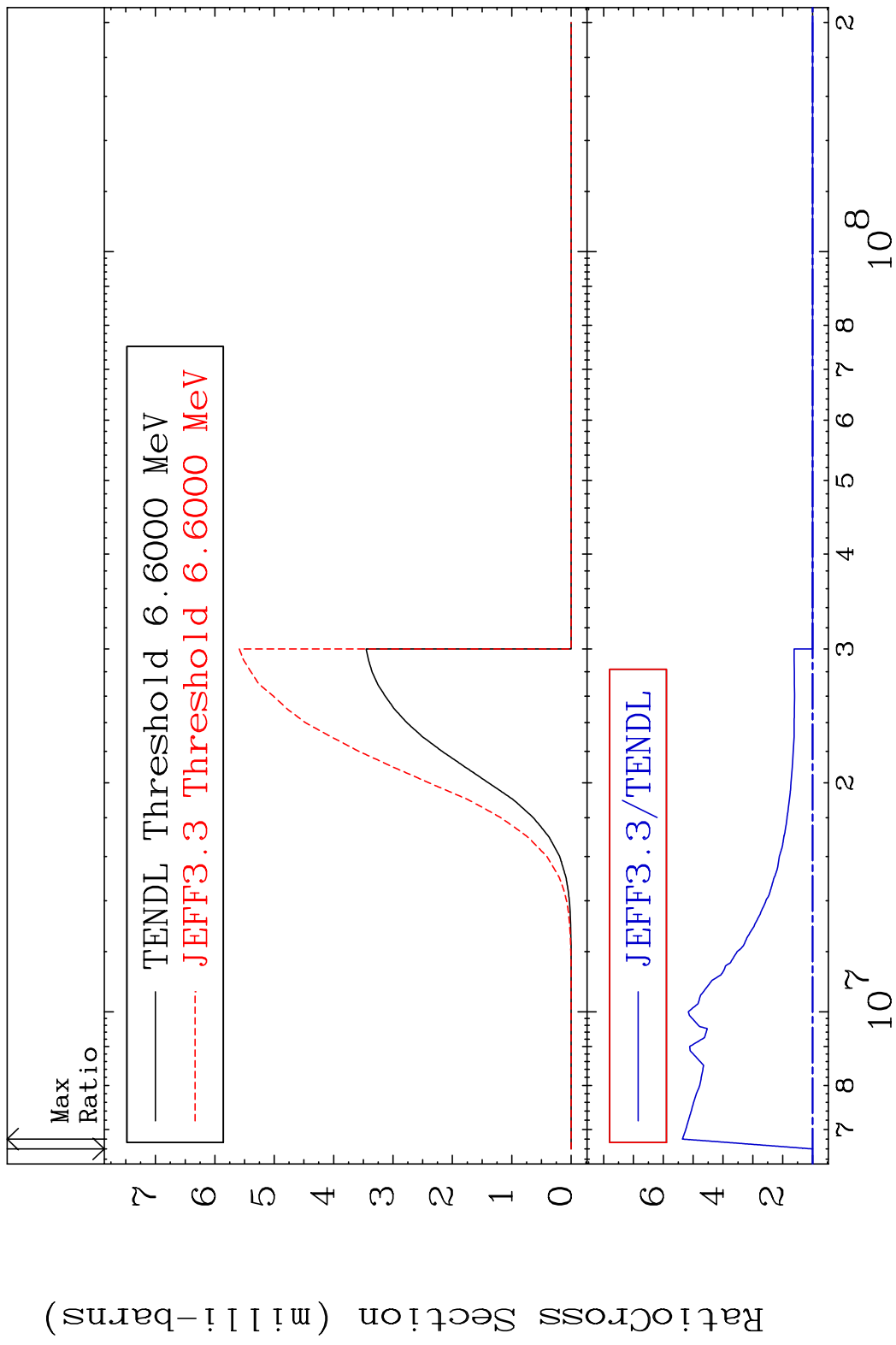
MAT 5055 (n,p):49-In-122g 50-Sn-122
 Radionuclide Production Cross Section 11.34 %



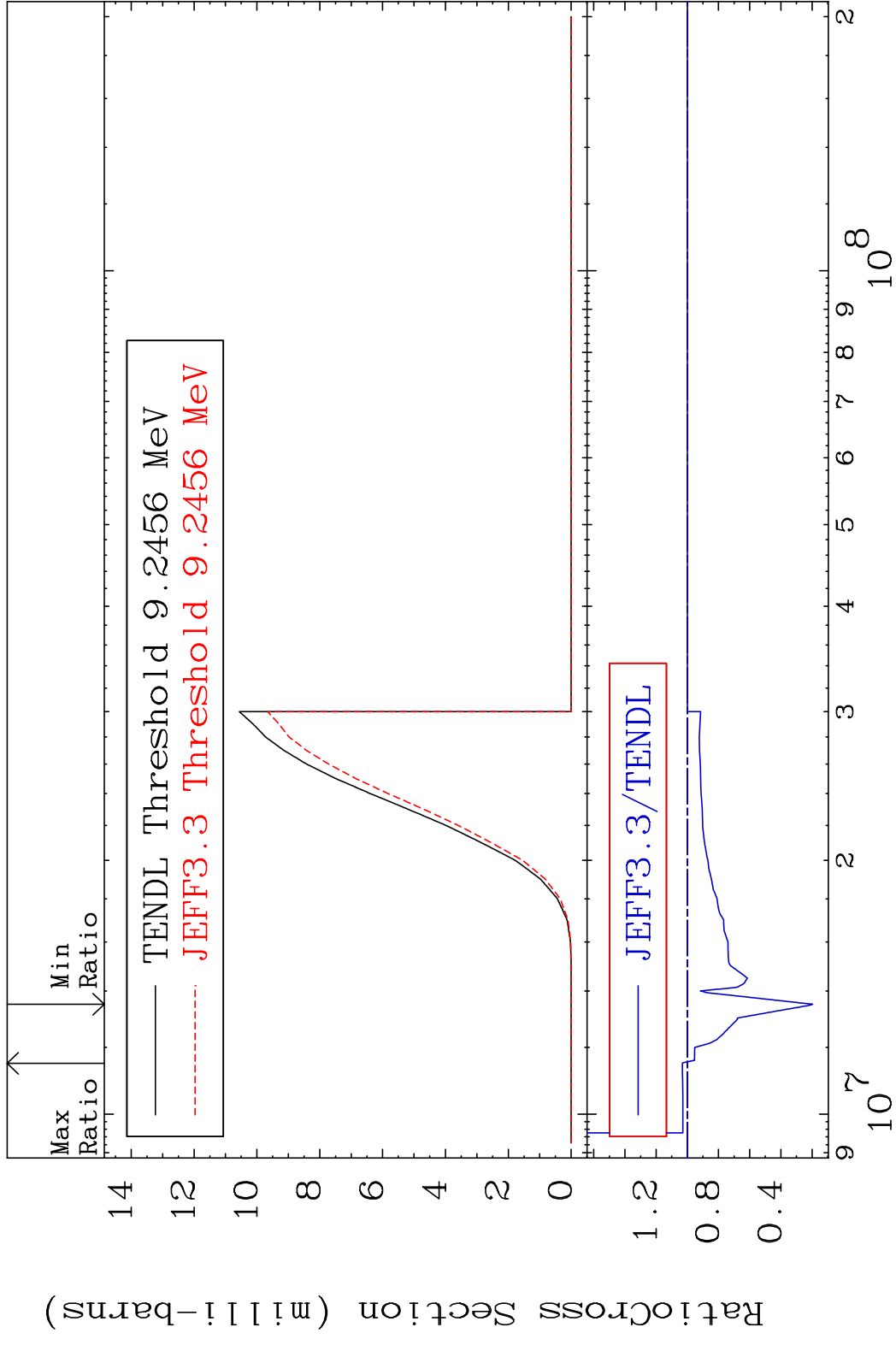
MAT 5055 (n, p): 49-In-122m1 50-Sn-122
 Radionuclide Production Cross Section 0.438 %



MAT 5055 (n, p): 49-In-122m5 50-Sn-122
 Radionuclide Production Cross Section 436.2 %

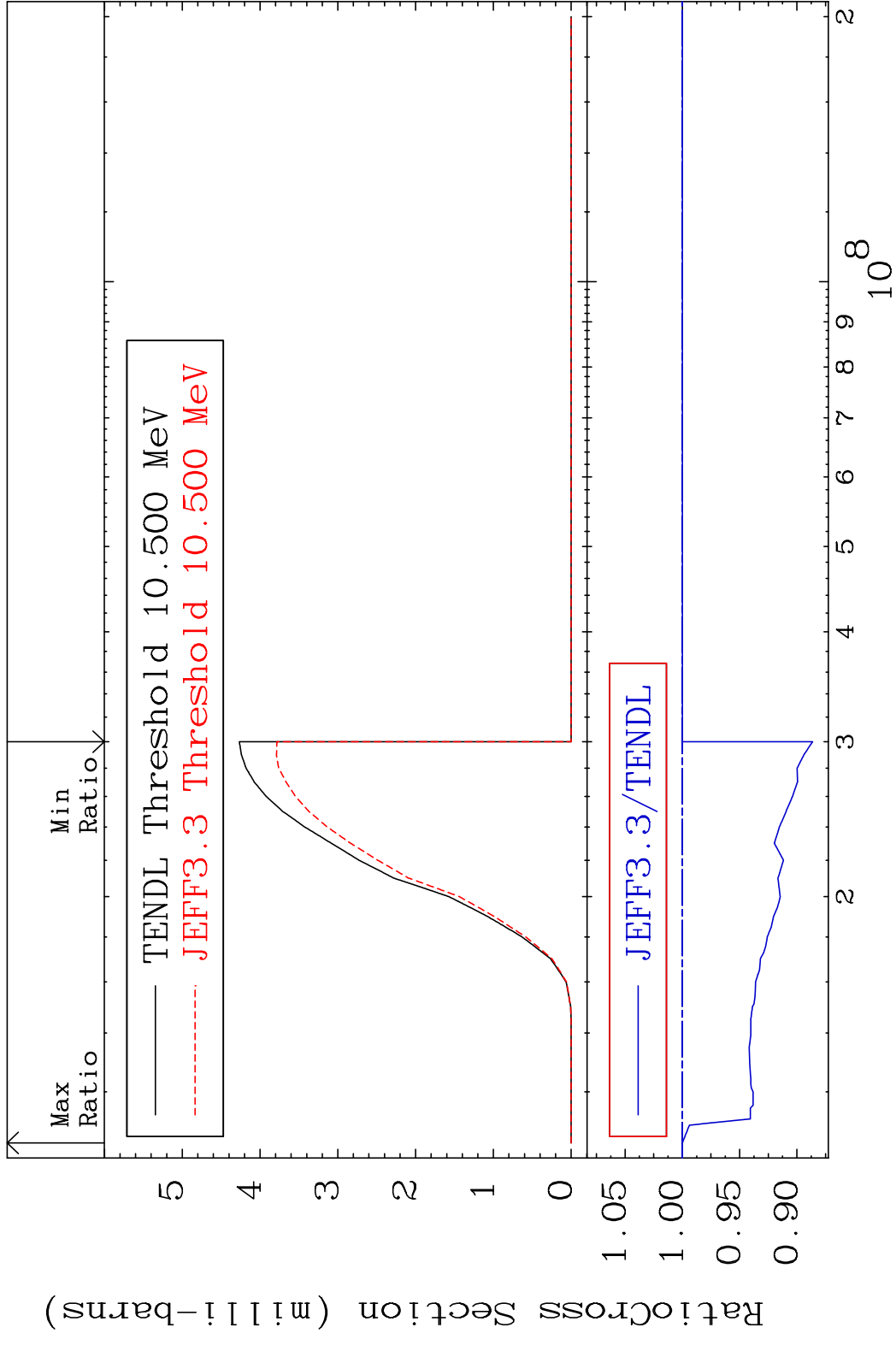


MAT 5055 (n,d):49-In-121g 50-Sn-122
 Radionuclide Production Cross Section 3.188 %

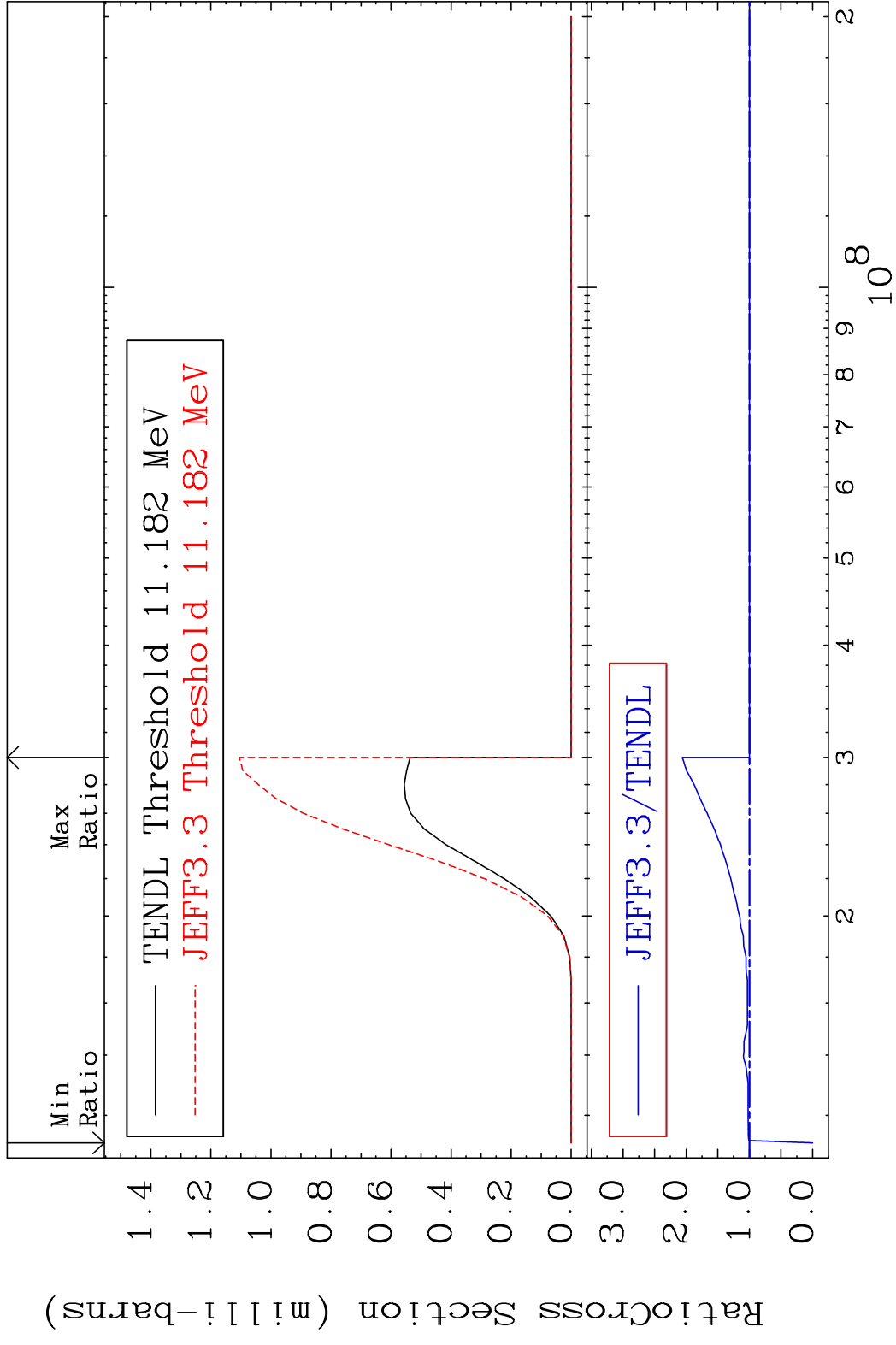


98 Incident Energy (eV) 50-Sn-122

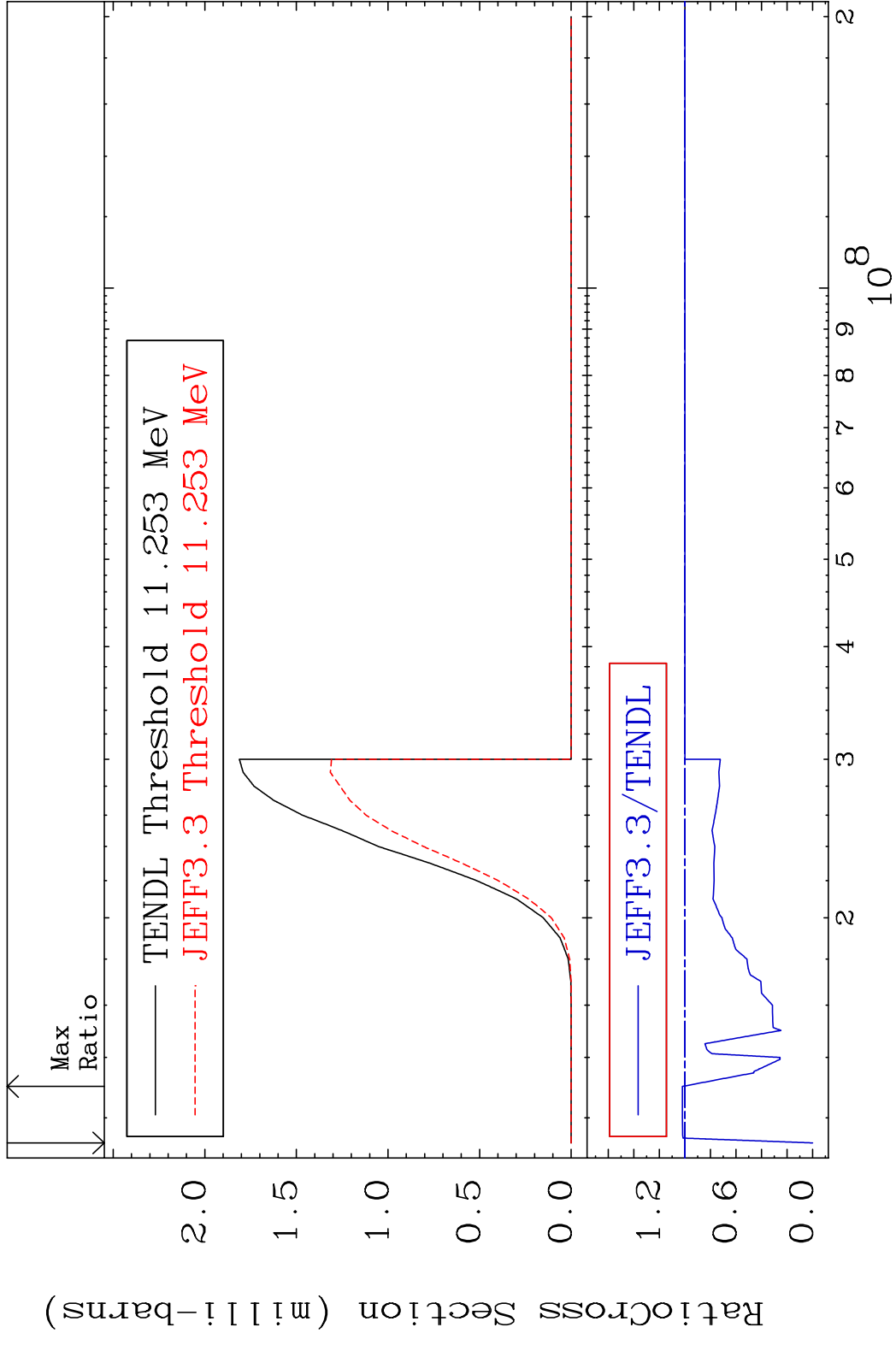
MAT 5055 (n, d): 49-In-121m1 50-Sn-122
 Radionuclide Production Cross Section 1e36 dno 0.000 %



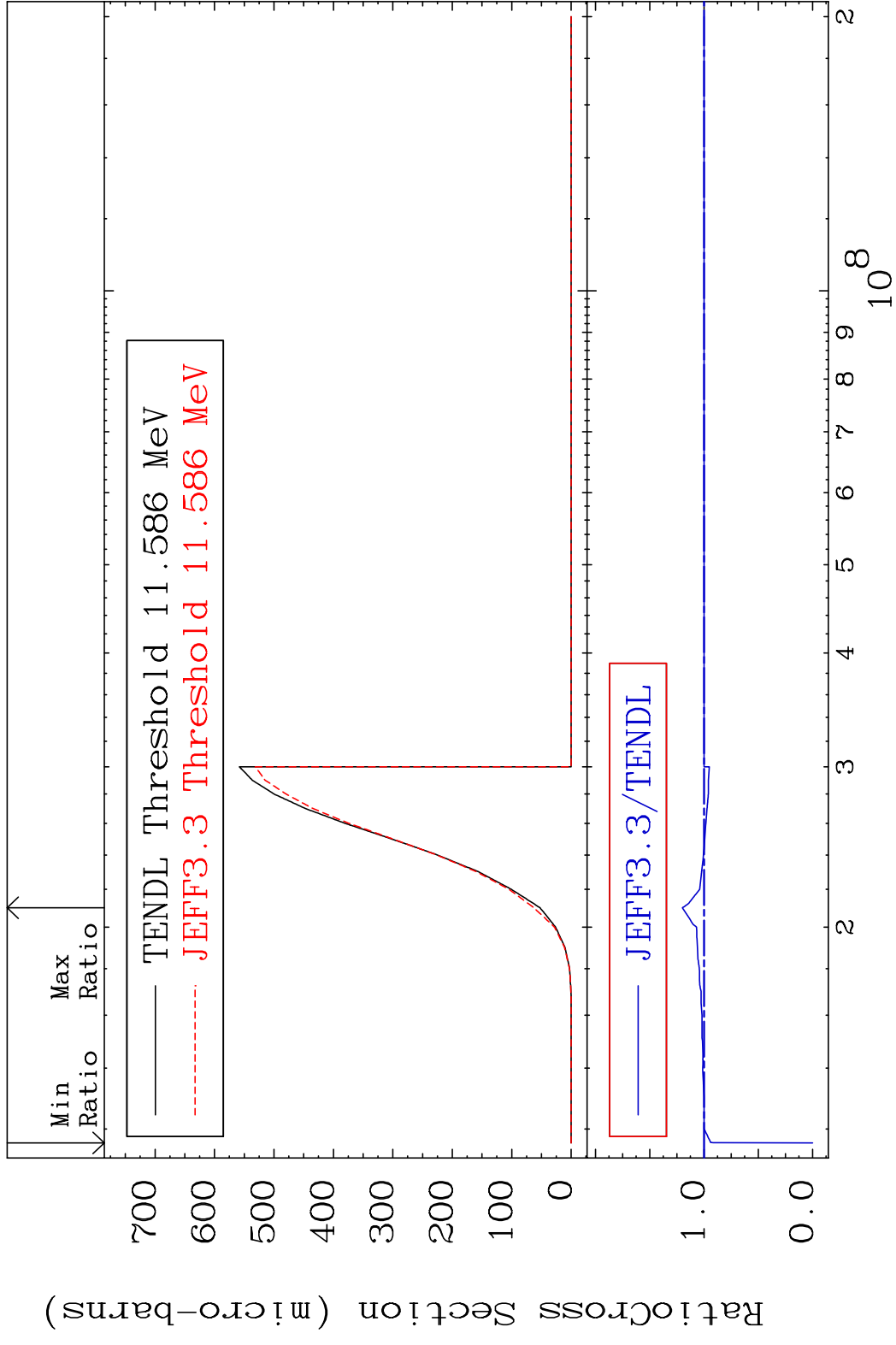
MAT 5055 (n, t): 49-In-120g 50-Sn-122
 Radionuclide Production Cross Section 100% 106.1 %



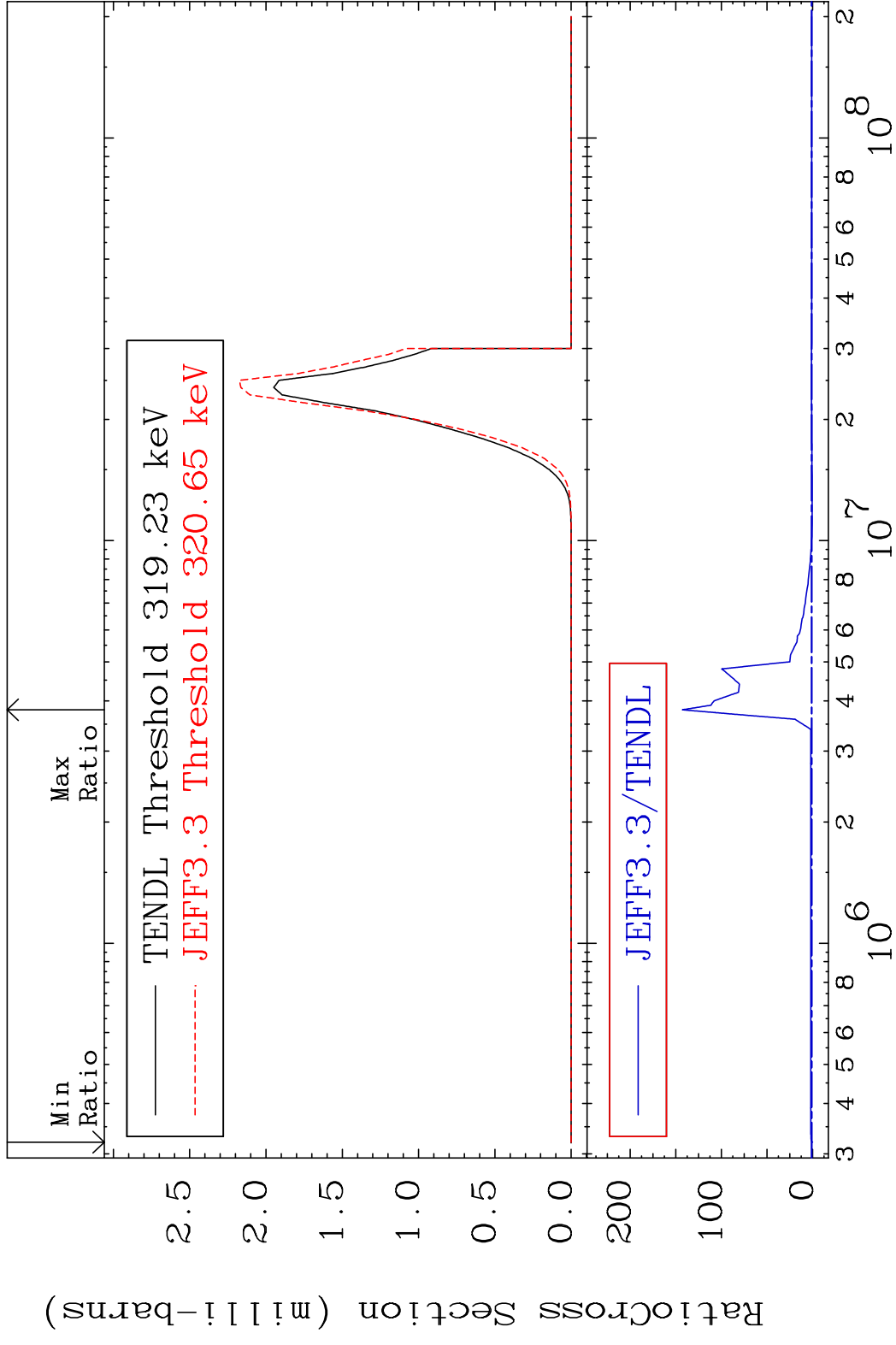
MAT 5055 (n, t): 49-In-120m1 50-Sn-122
 Radionuclide Production Cross Section 1.968 %



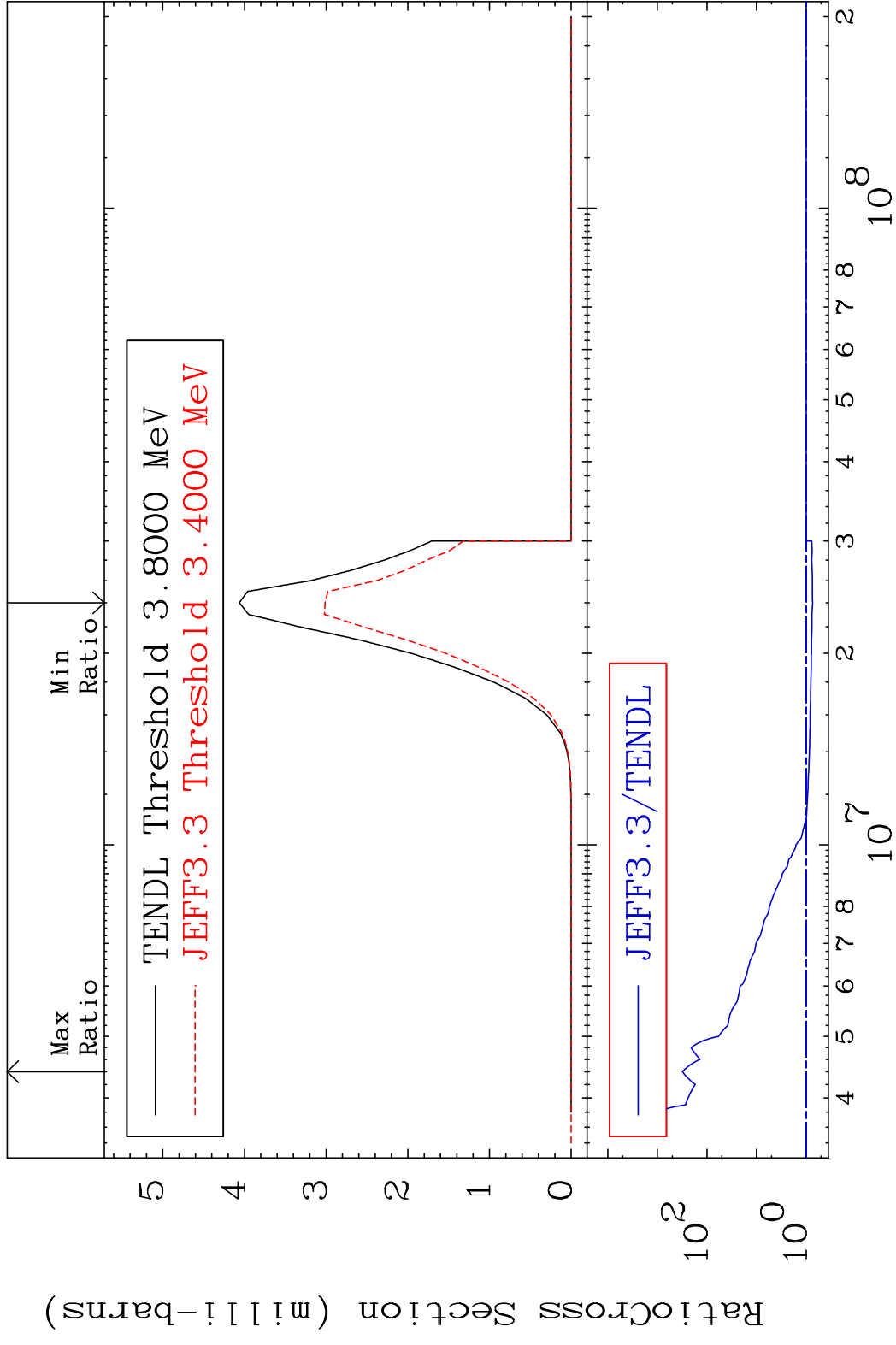
MAT 5055 (n, t): 49-In-120m2 50-Sn-122
 Radionuclide Production Cross Section 180.01 dth 19.93 %



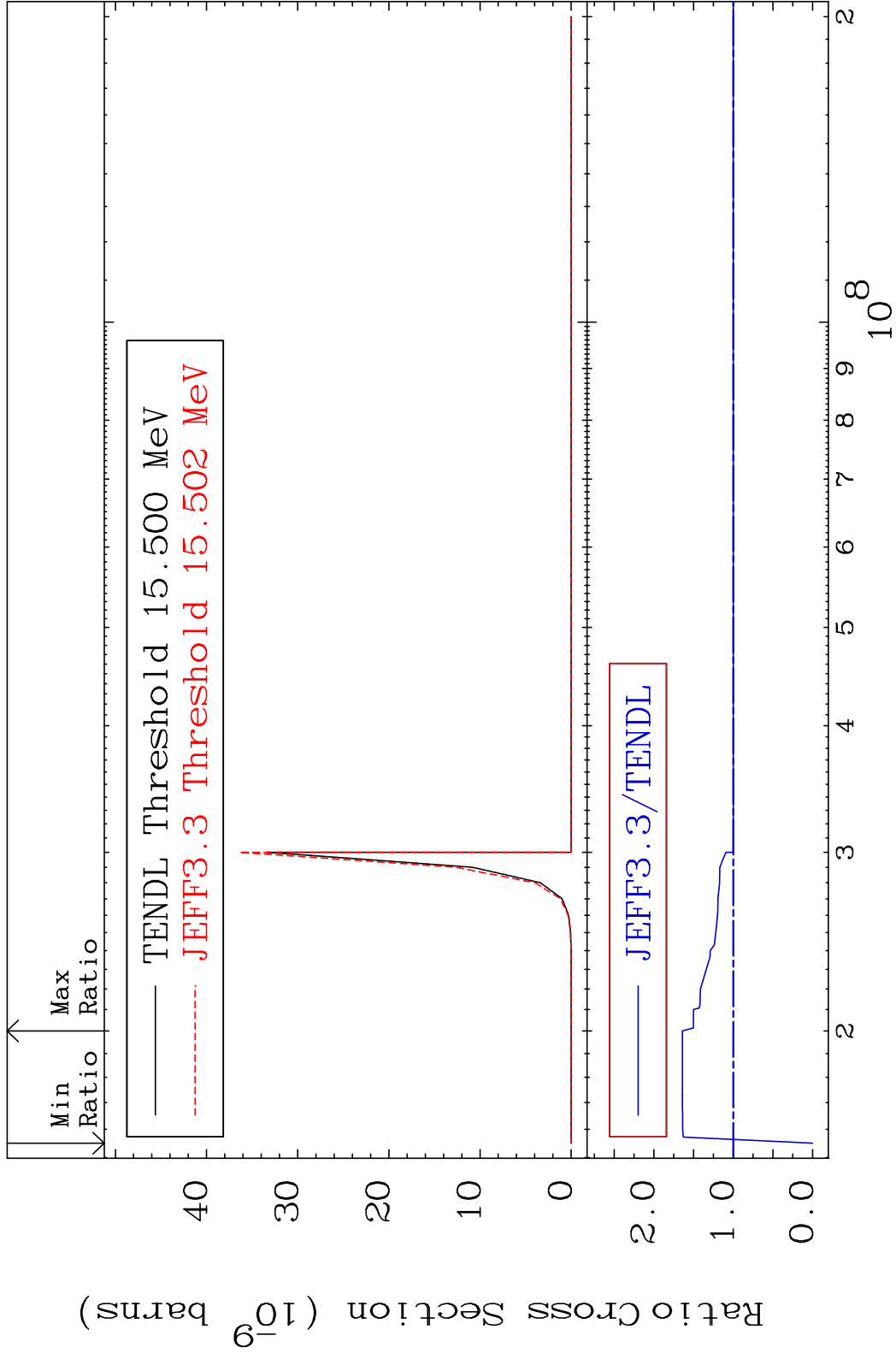
MAT 5055 (n,α):48-Cd-119g 50-Sn-122
 Radionuclide Production Cross Section to 9999. %



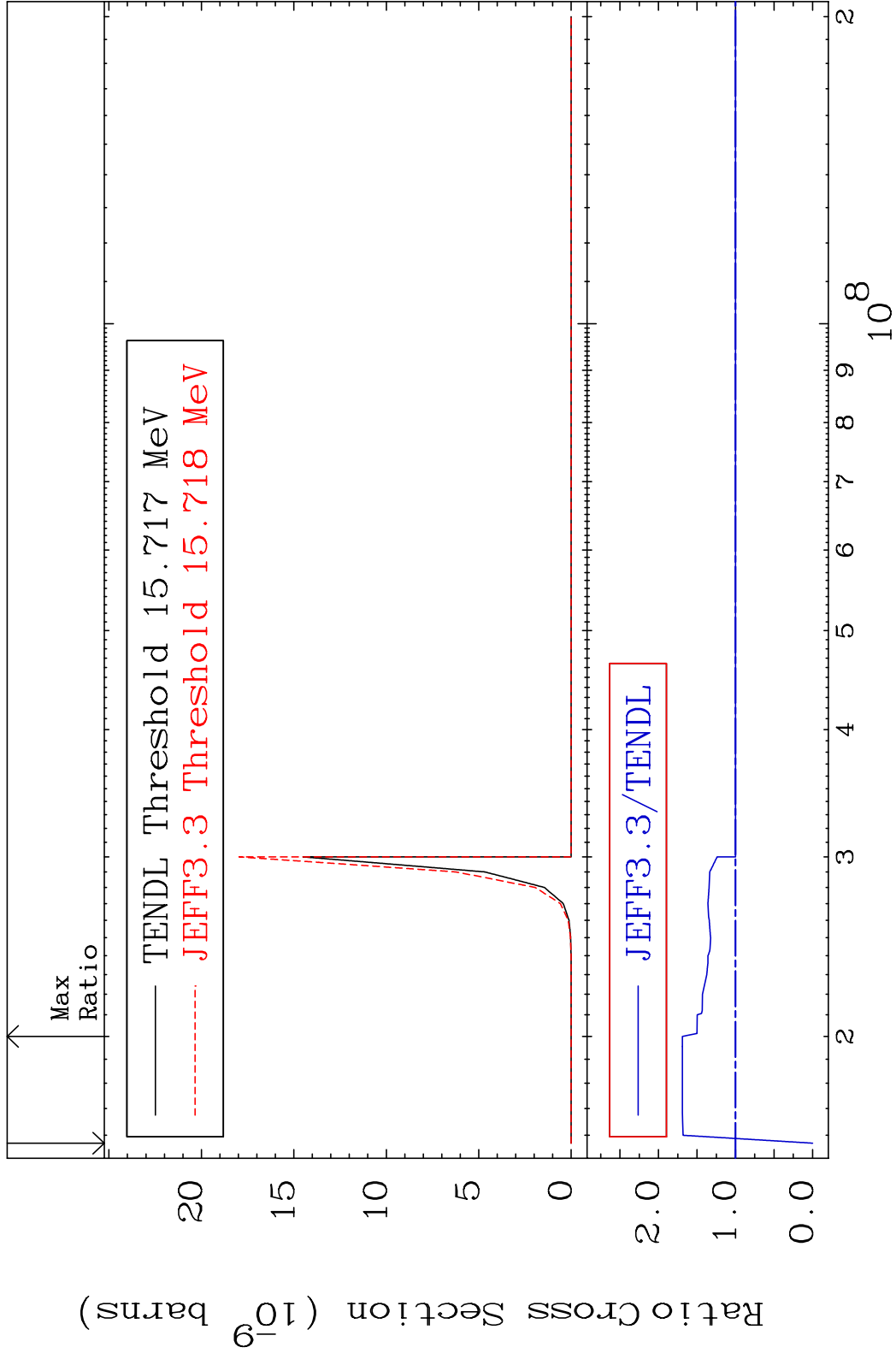
MAT 5055 (n, α): 48-Cd-119m2 50-Sn-122
 Radionuclide Production Cross Section to 9999. %



MAT 5055 (n,2p):48-Cd-121g 50-Sn-122
 Radionuclide Production Cross Section 64.05 %



MAT 5055 (n, 2p) : 48-Cd-121m2 50-Sn-122
 Radionuclide Production Cross Section 180.01 dth 69.04 %



MAT 5055 (n,p) α :47-Ag-118g 50-Sn-122
 Radionuclide Production Cross Section 180.01 dth 8253. %

