

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

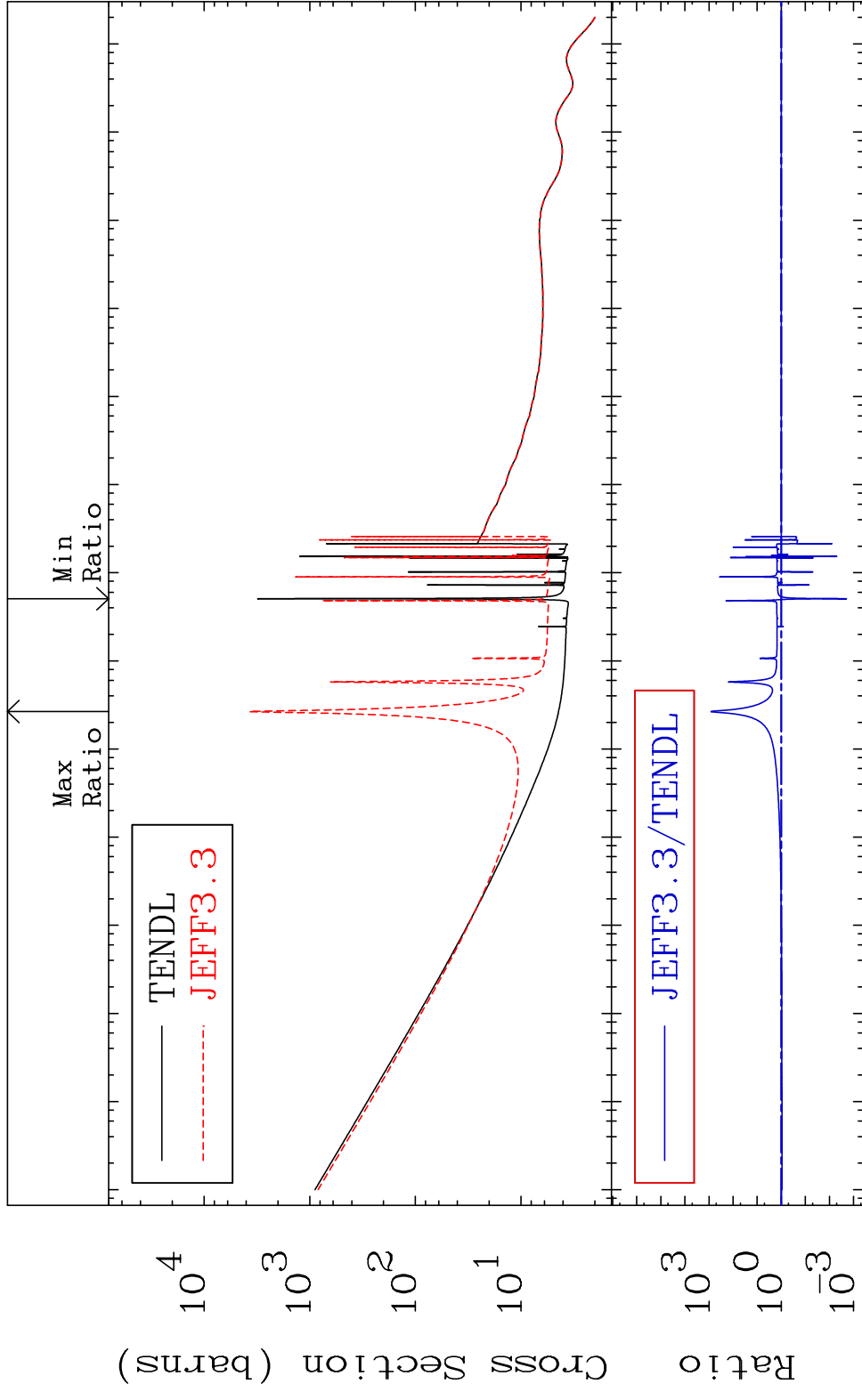
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5052

Total Cross Section -99.80 To 9999. %
50-Sn-121



1

Incident Energy (eV)

50-Sn-121

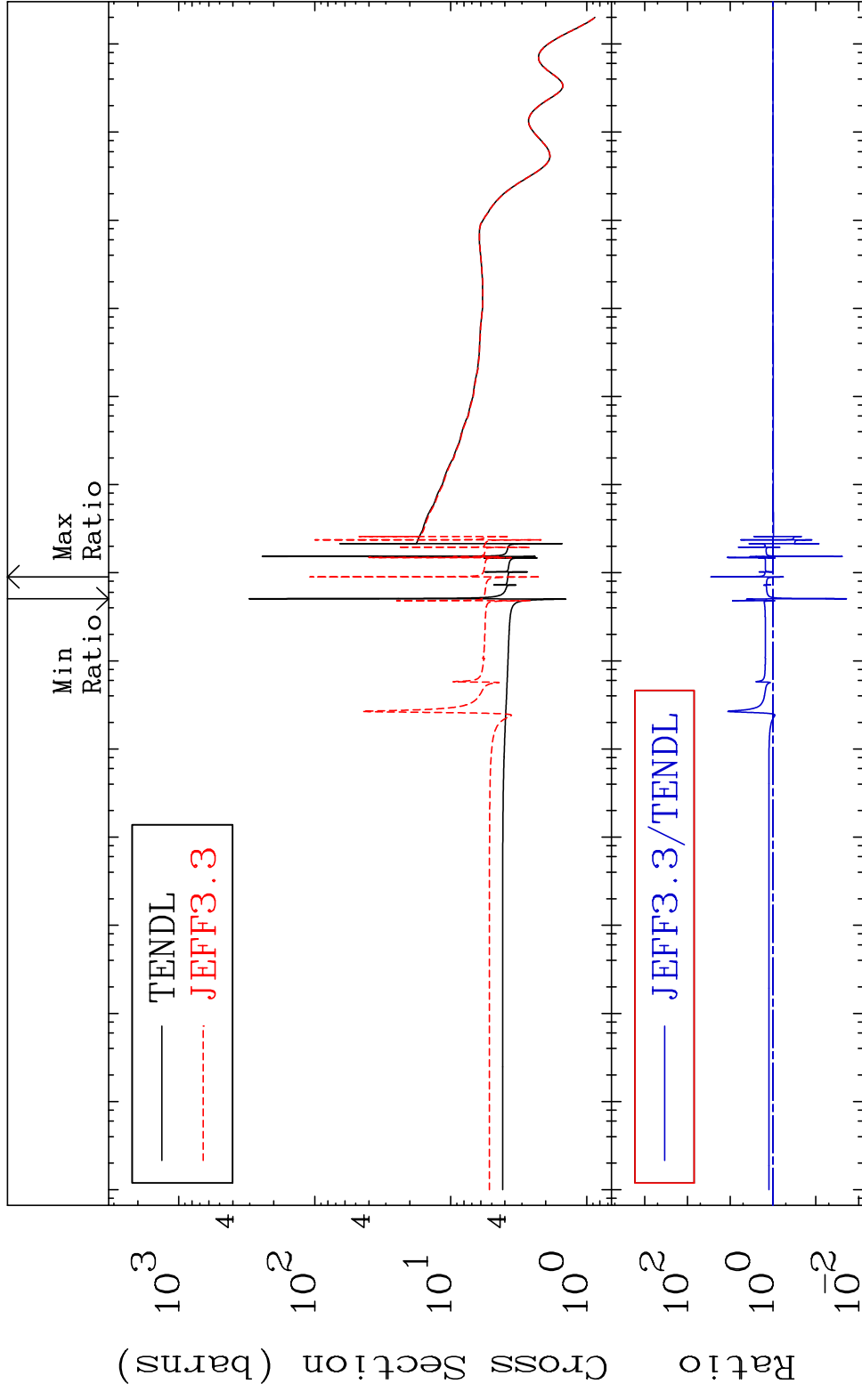
MAT 5052

Elastic

50-Sn-121

Cross Section

-98.06 To 2757. %

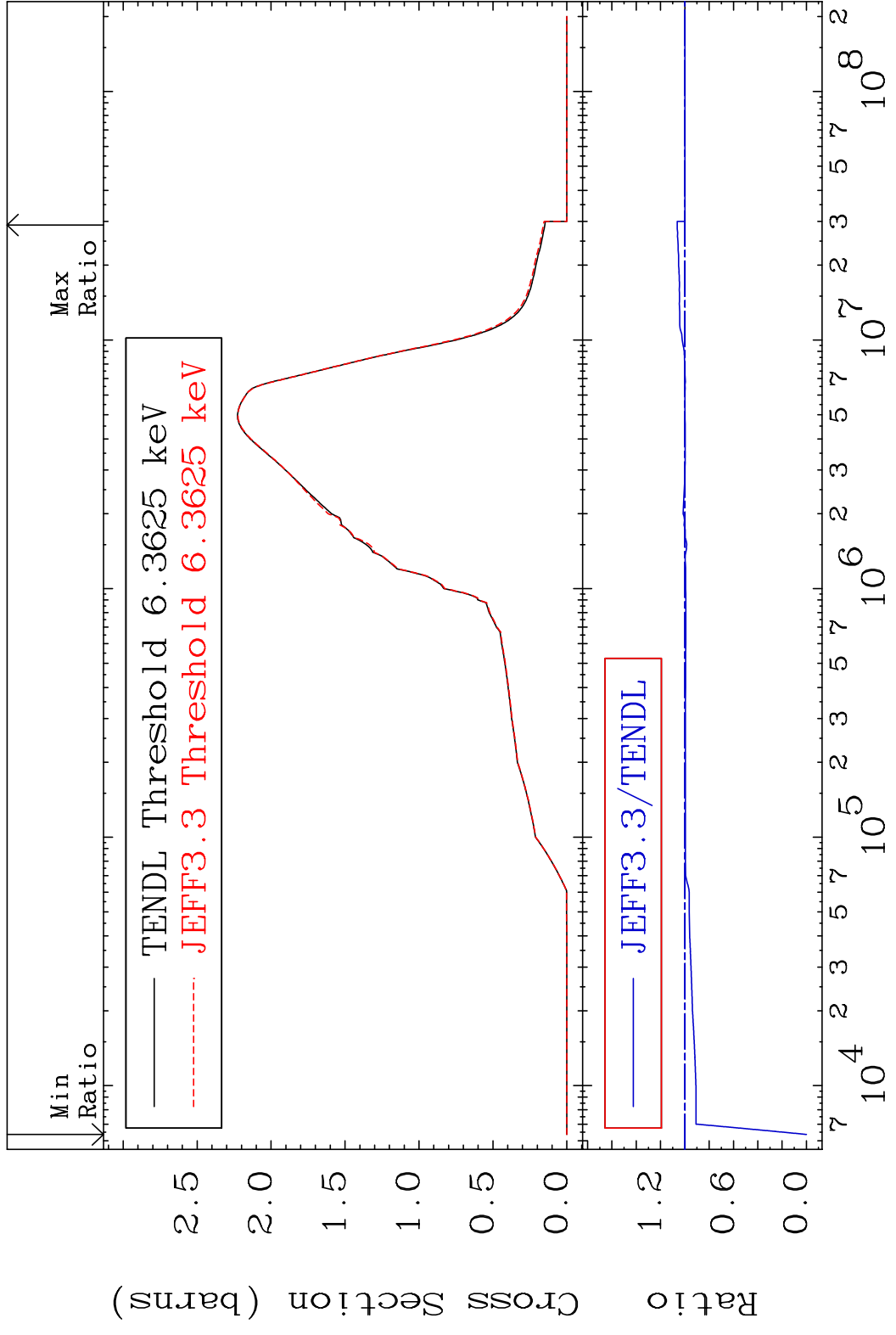


2

Incident Energy (eV)

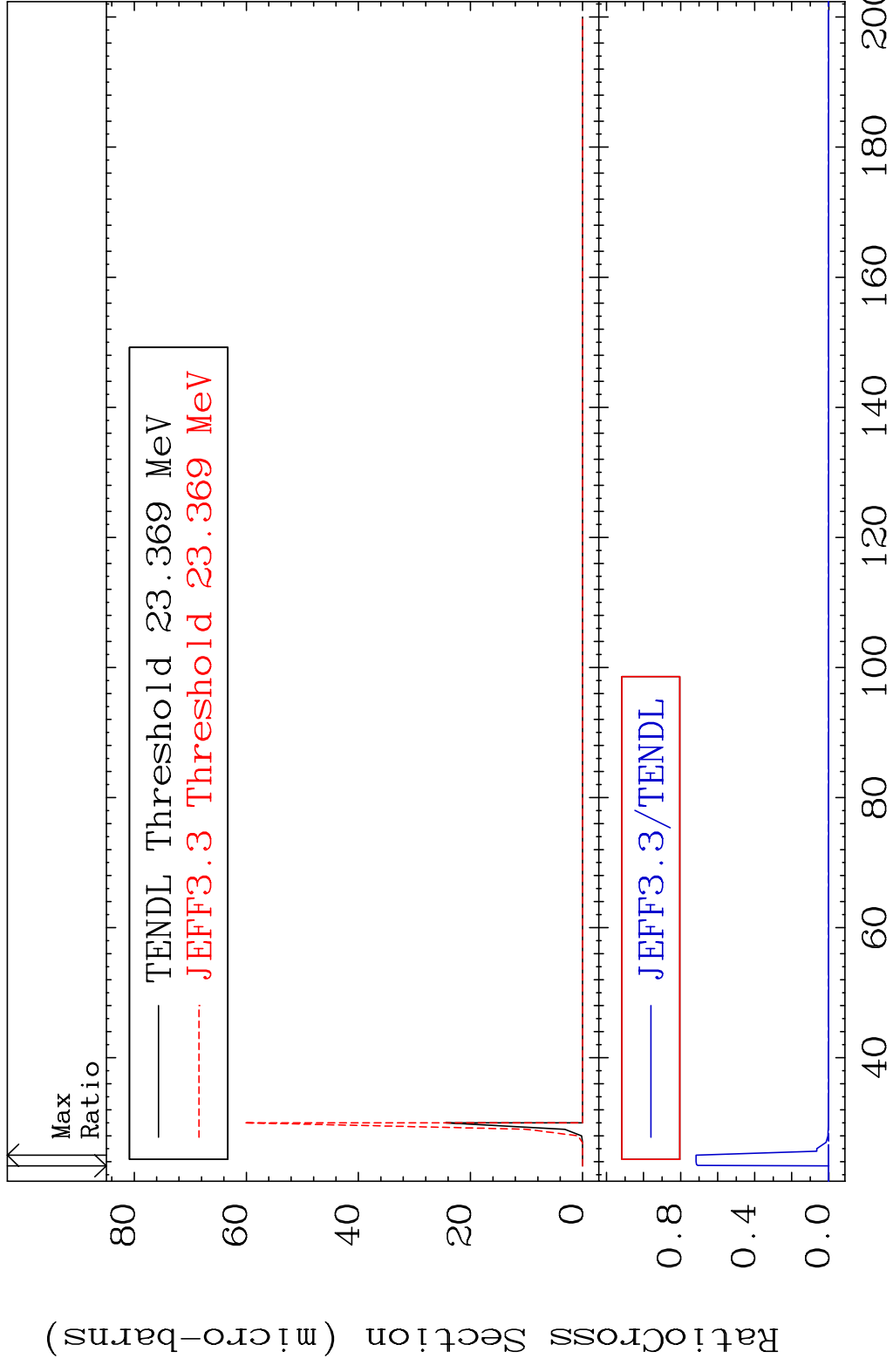
50-Sn-121

MAT 5052 Inelastic Cross Section 50-Sn-121
 -100.0 To 6.303 %



3 Incident Energy (eV) 50-Sn-121

MAT 5052 (n,2n) d 50-Sn-121
Cross Section -100.0 To 9999. %

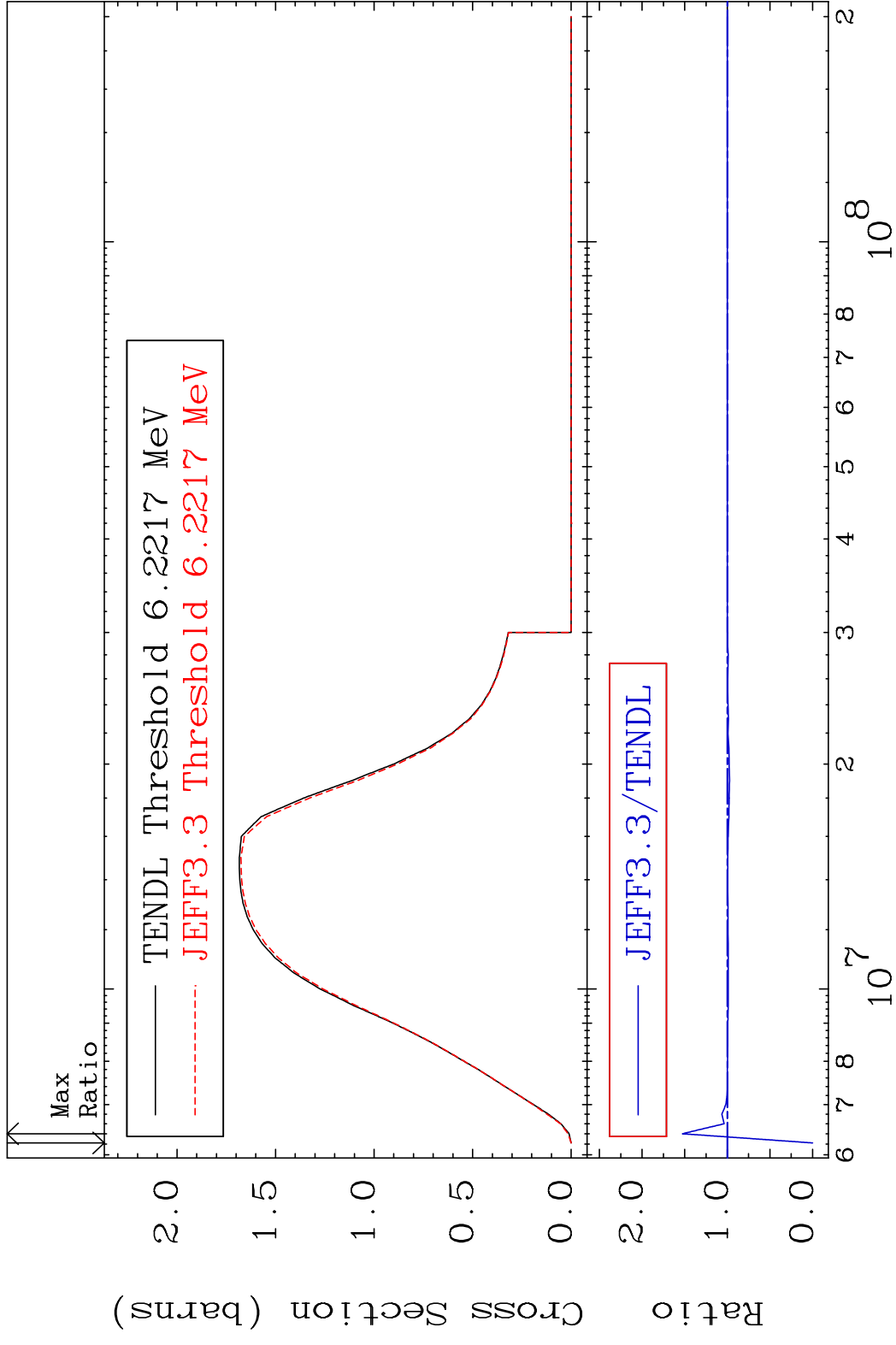


MAT 5052

(n,2n)

50-Sn-121

Cross Section -100.0 To 52.76 %



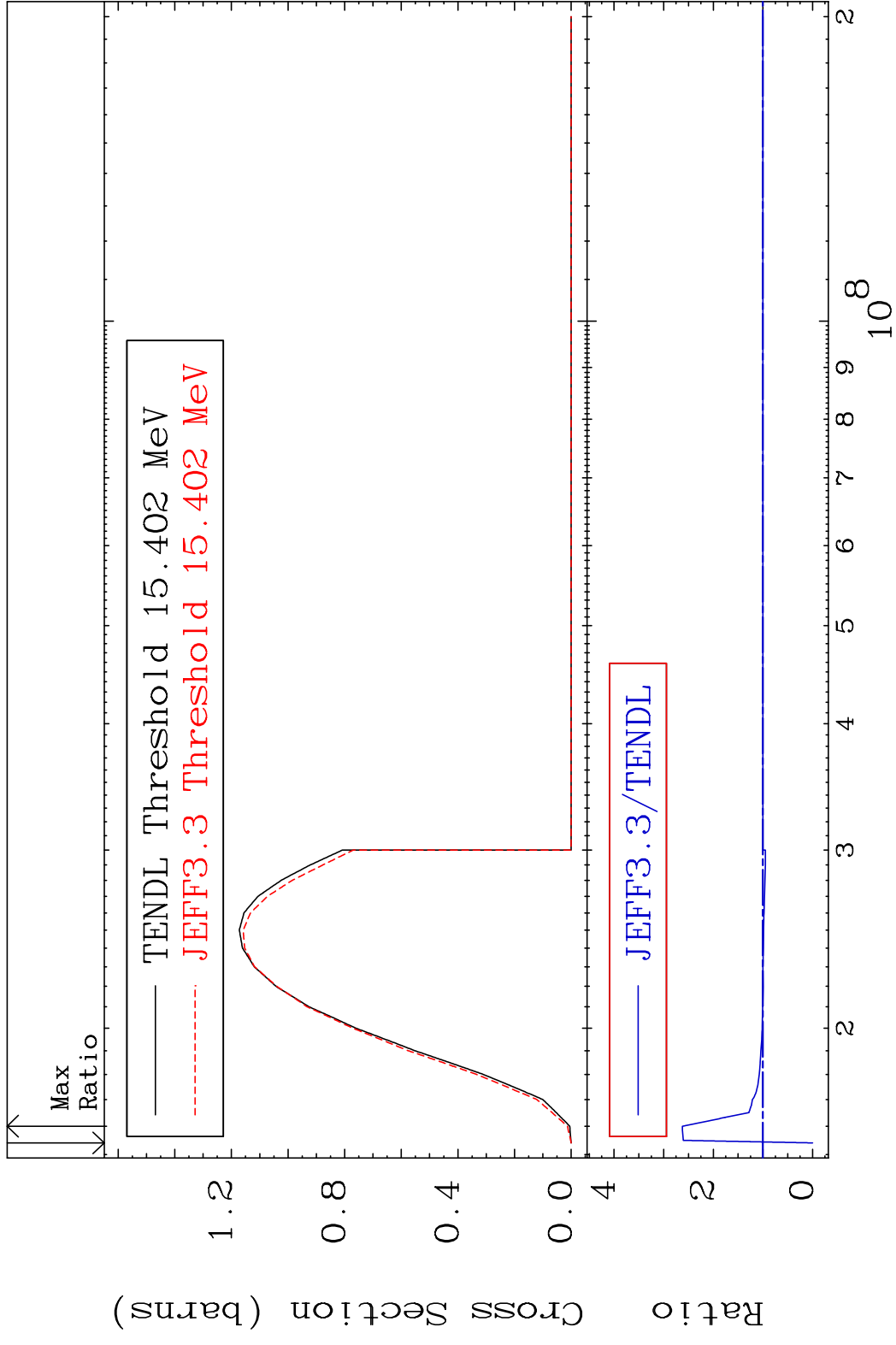
5 Incident Energy (eV) 50-Sn-121

MAT 5052

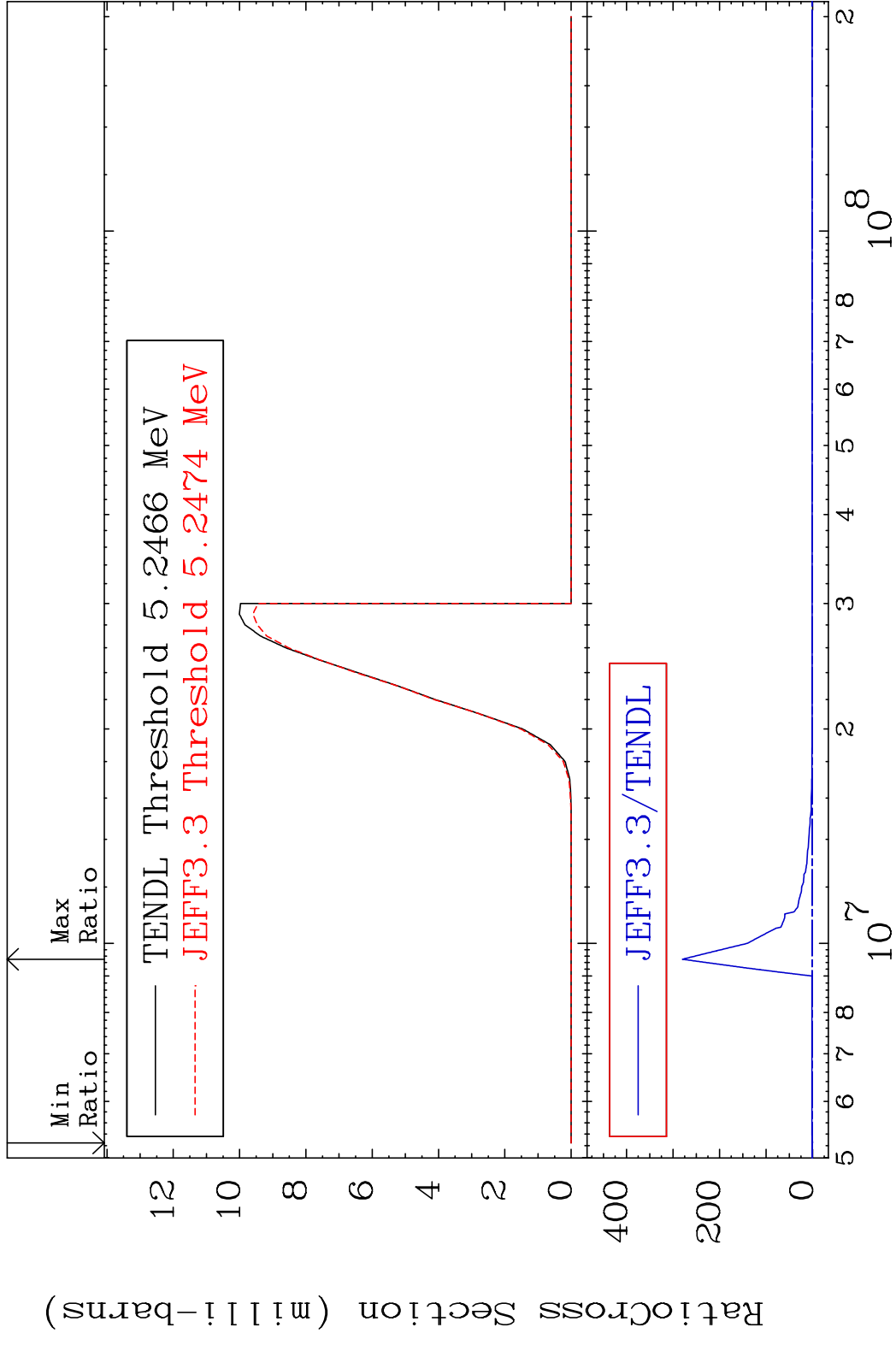
(n,3n)

50-Sn-121

Cross Section -100.0 To 162.4 %

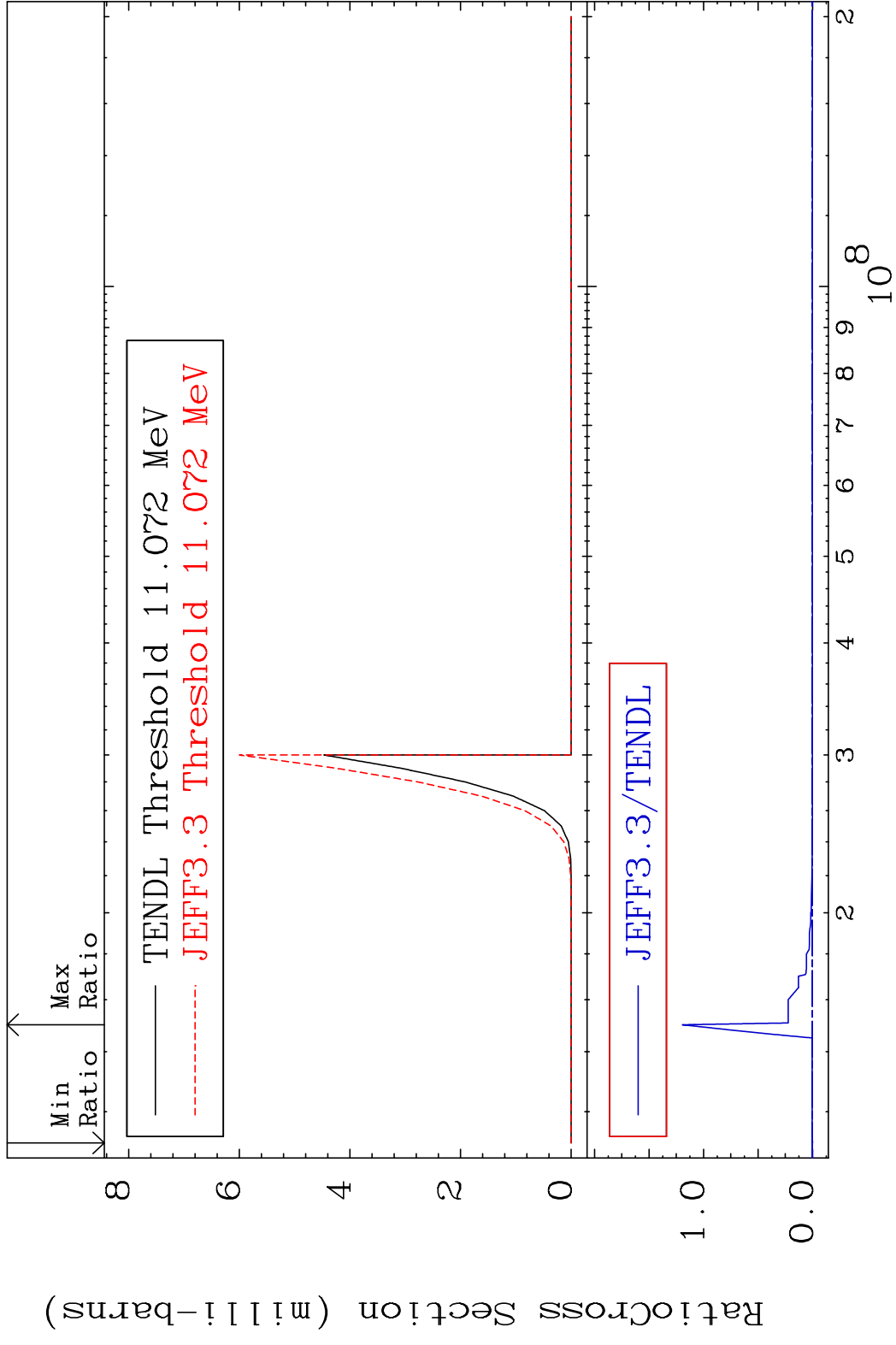


MAT 5052 (n, n') α 50-Sn-121
 Cross Section -100.0 To 9999. %



7 Incident Energy (eV) 50-Sn-121

MAT 5052 (n,2n) α 50-Sn-121
 Cross Section -100.0 To 9999. %

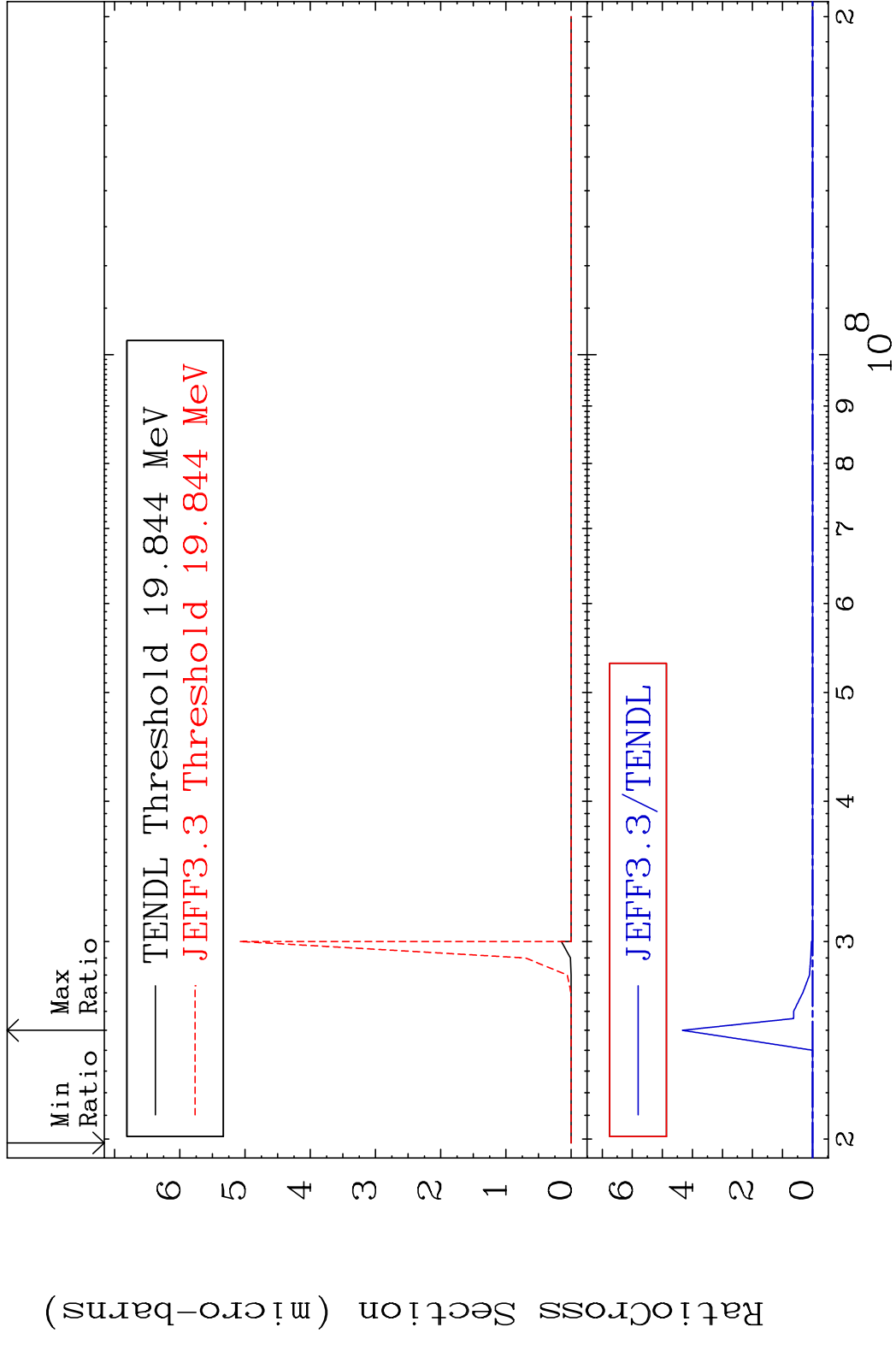


MAT 5052

(n,3n) α

50-Sn-121

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

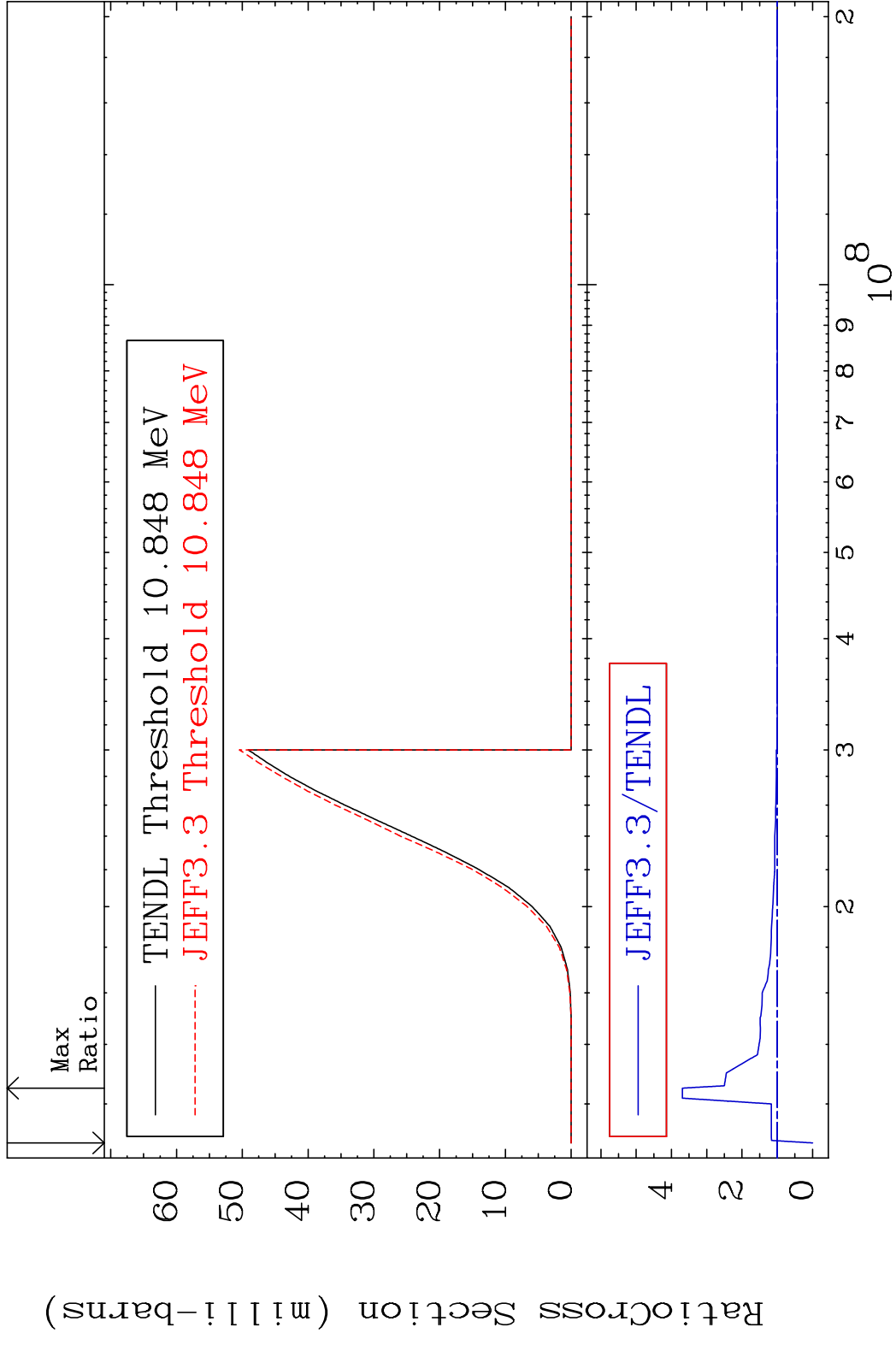
50-Sn-121

MAT 5052

(n, n') p

50-Sn-121

Cross Section -100.0 To 269.1 %

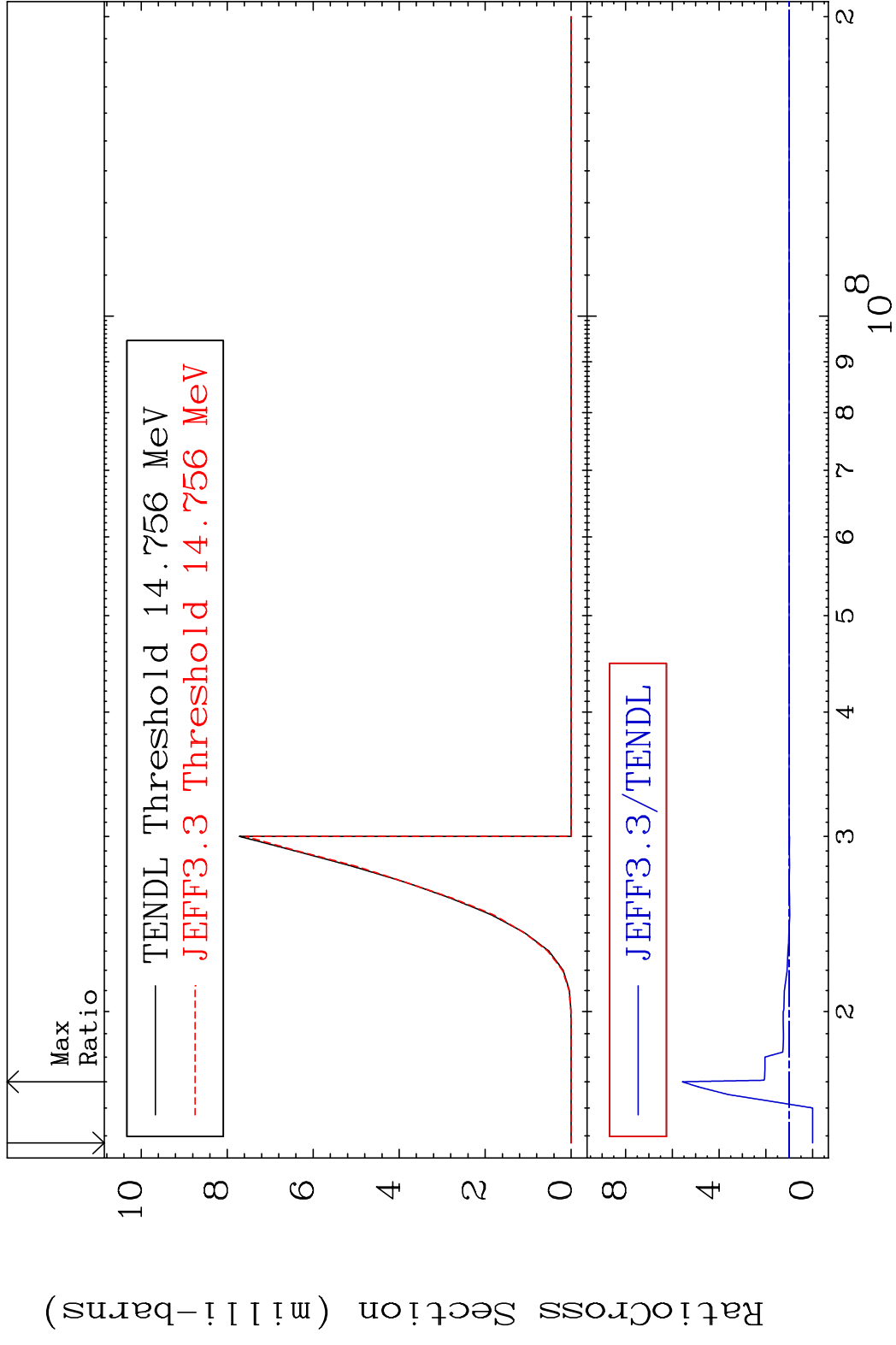


10

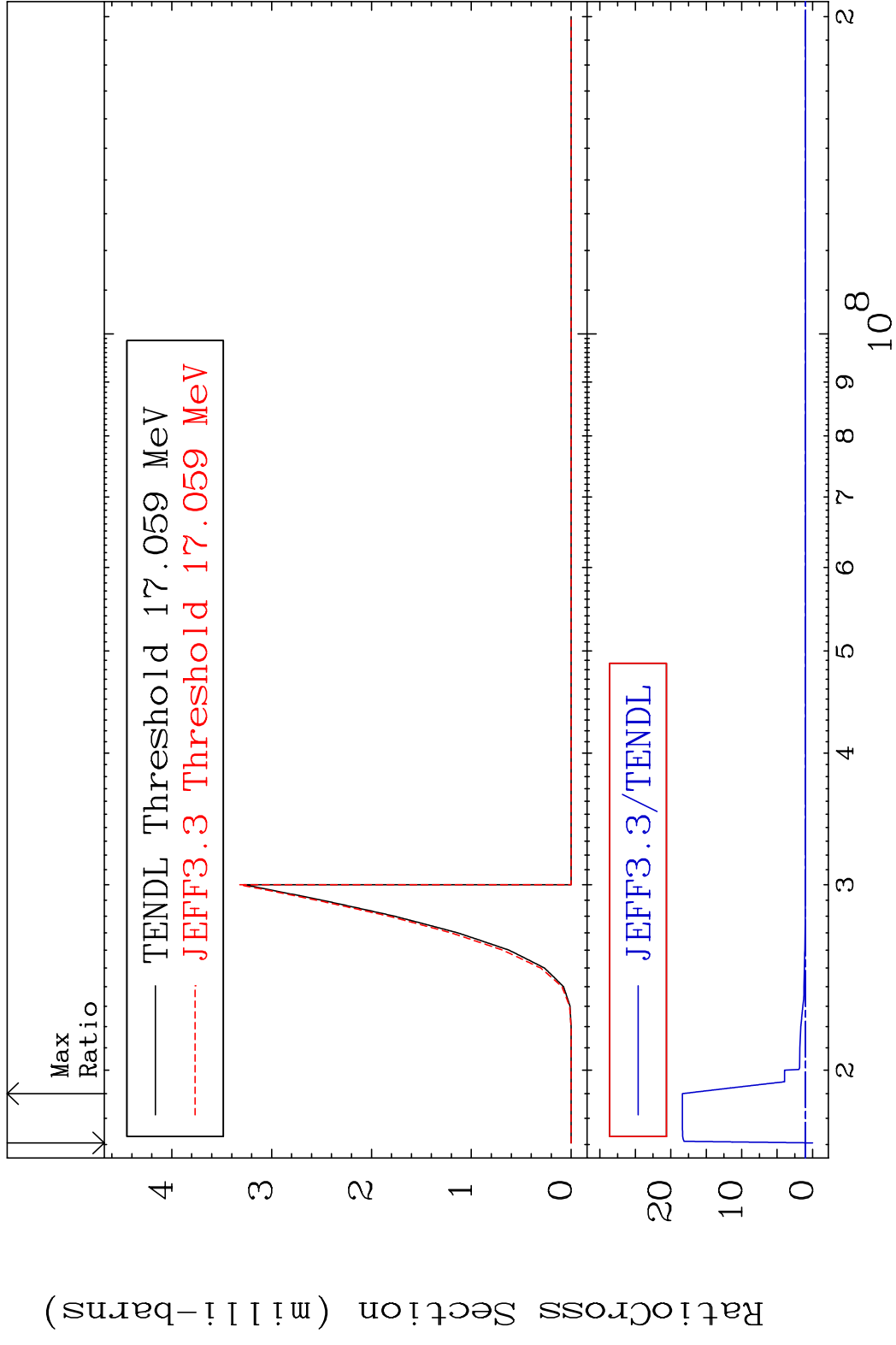
Incident Energy (eV)

50-Sn-121

MAT 5052 (n, n') d 50-Sn-121
 Cross Section -100.0 To 457.0 %



MAT 5052 (n, n') t 50-Sn-121
 Cross Section -100.0 To 1737. %

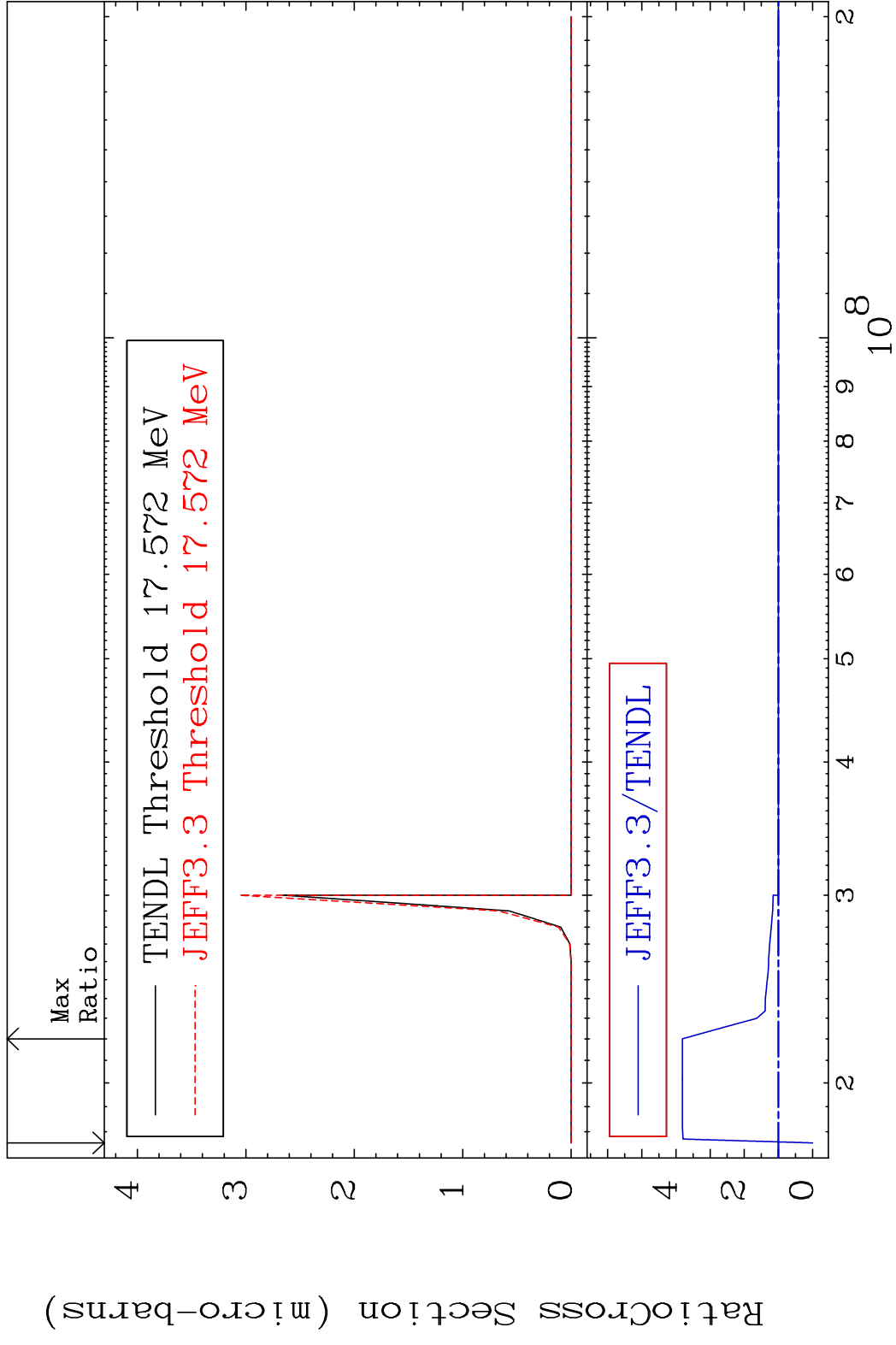


MAT 5052

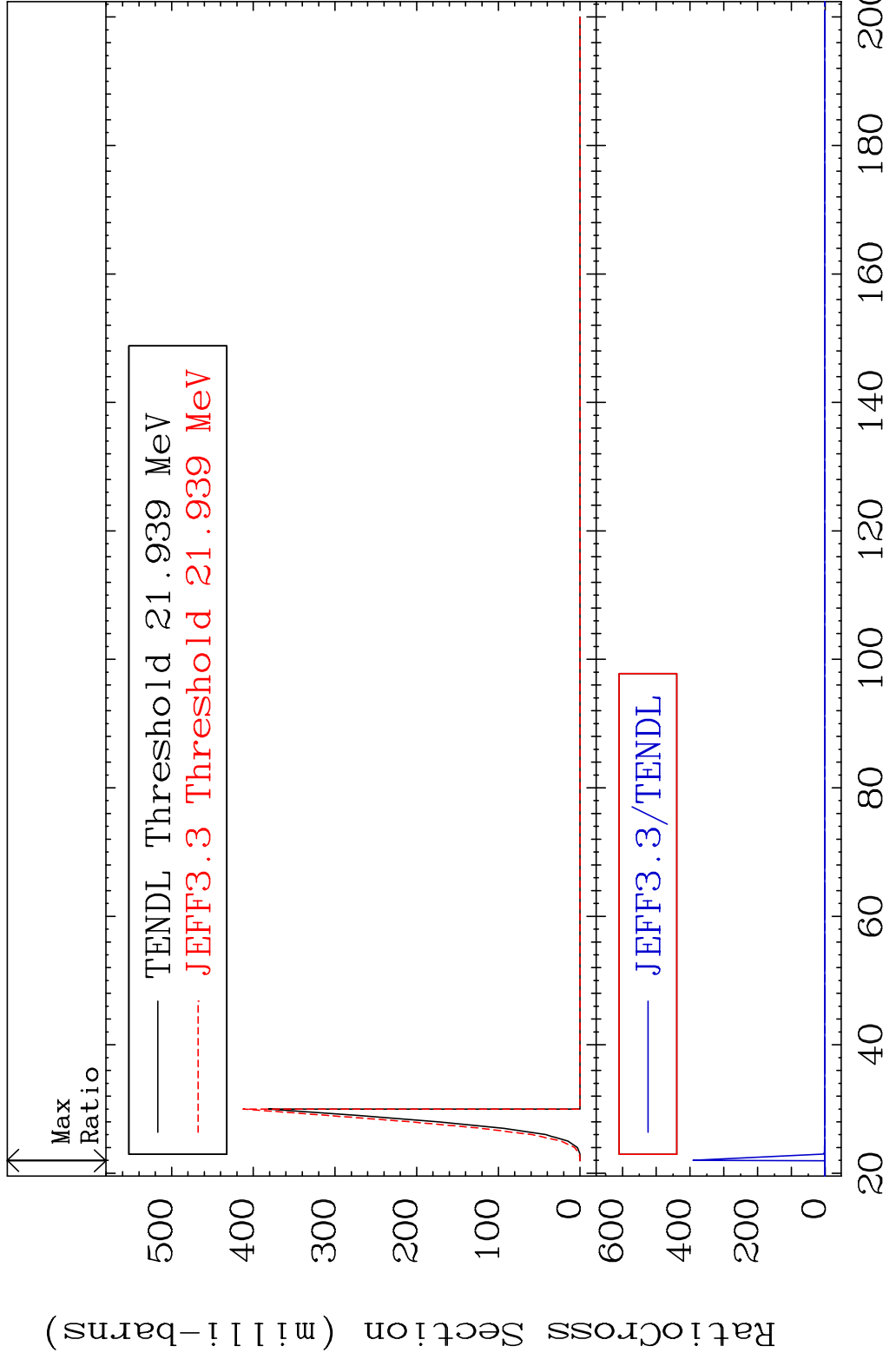
(n,n') He-3

50-Sn-121

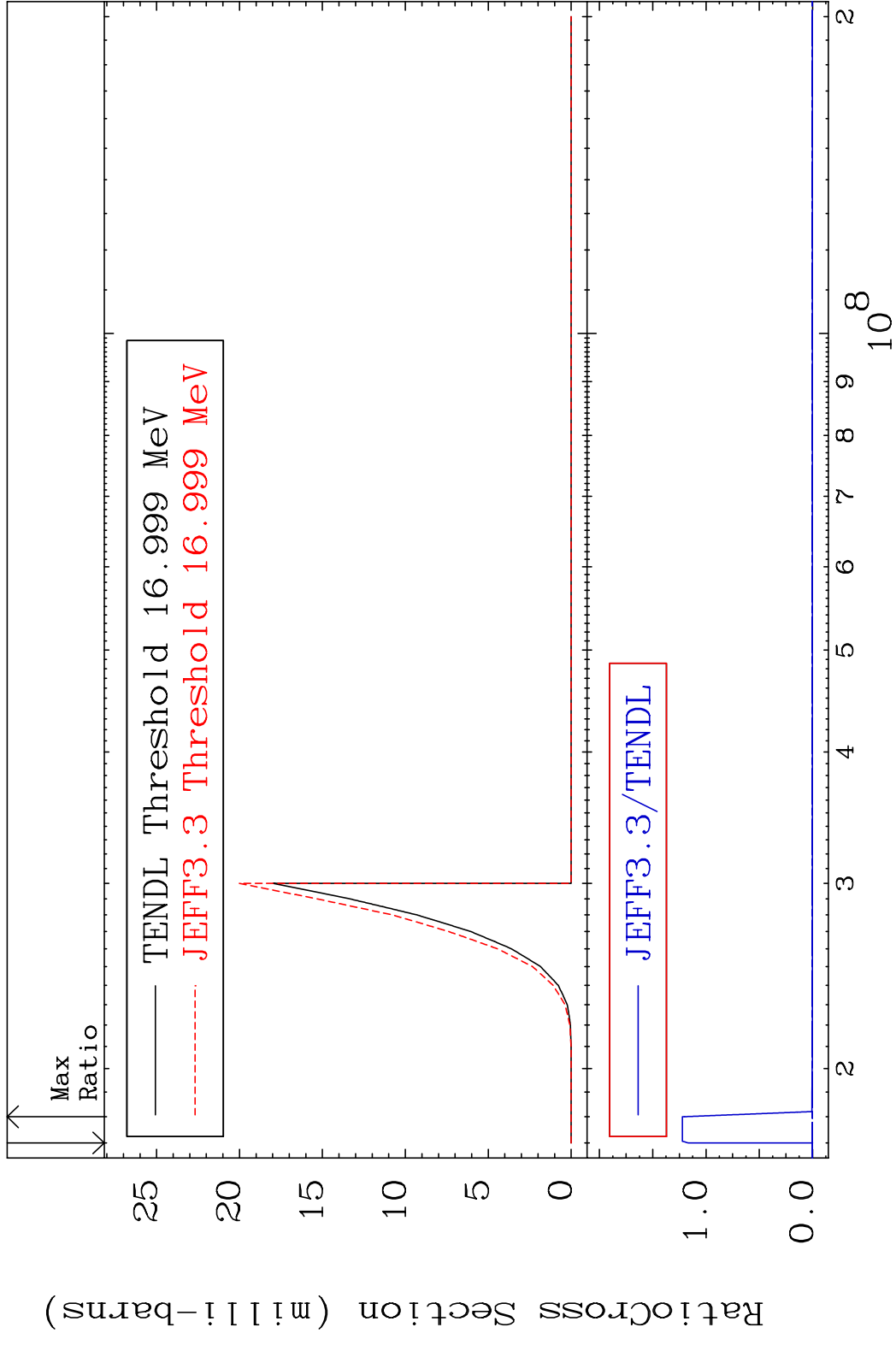
Cross Section -100.0 To 281.2 %



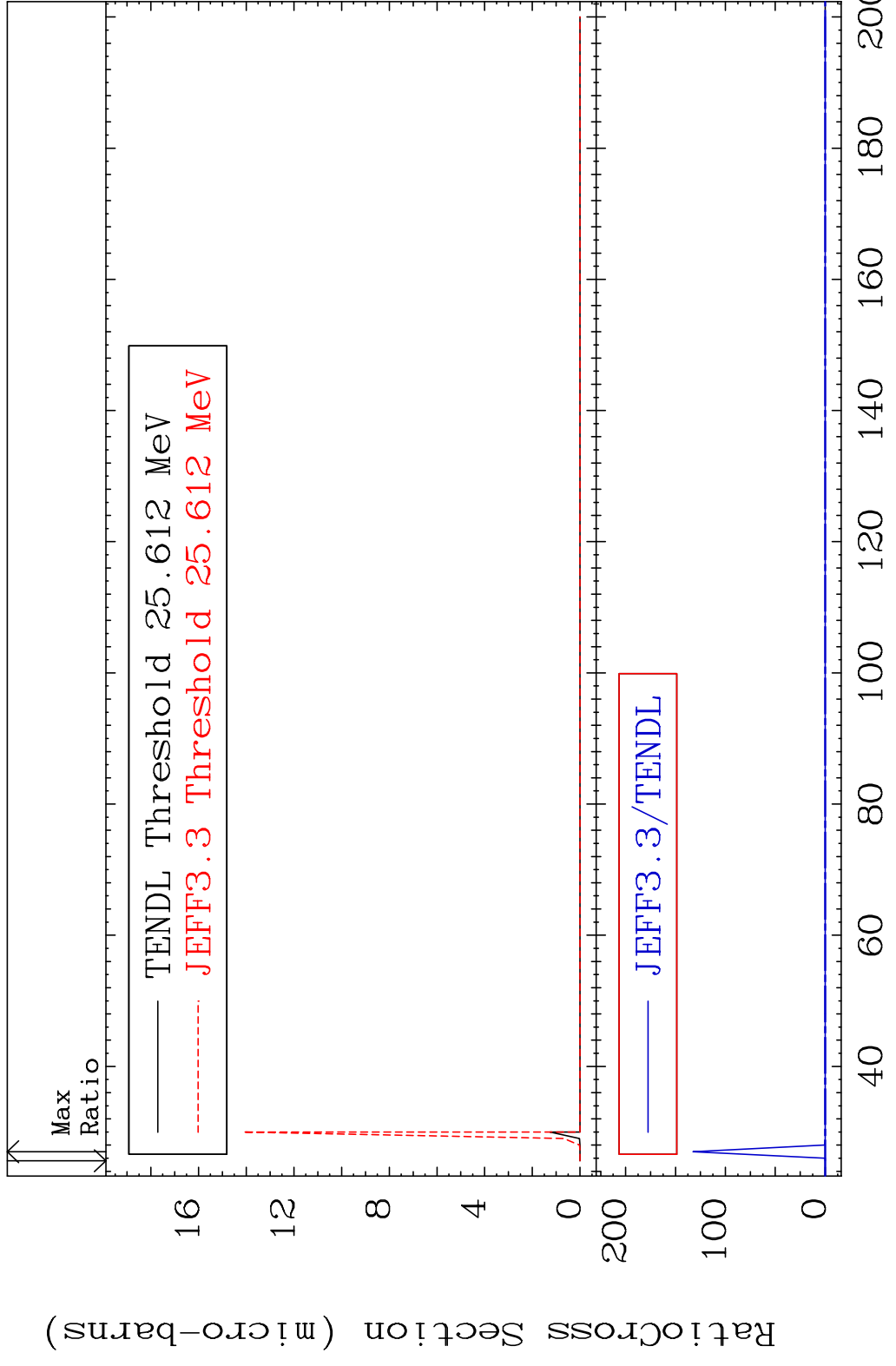
MAT 5052 (n,4n) 50-Sn-121
 Cross Section -100.0 To 9999. %



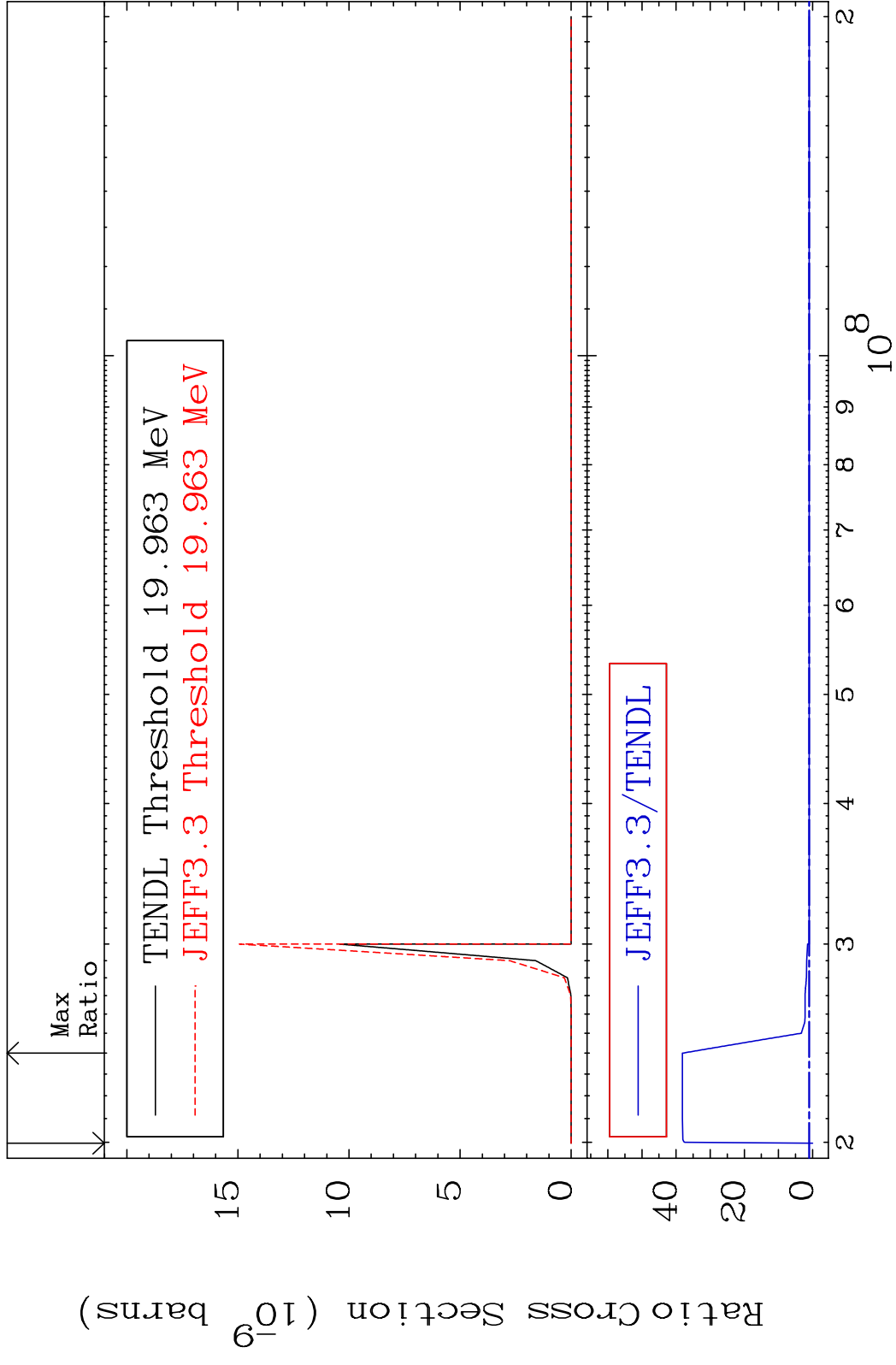
MAT 5052 (n,2n) p 50-Sn-121
 Cross Section -100.0 To 9999. %



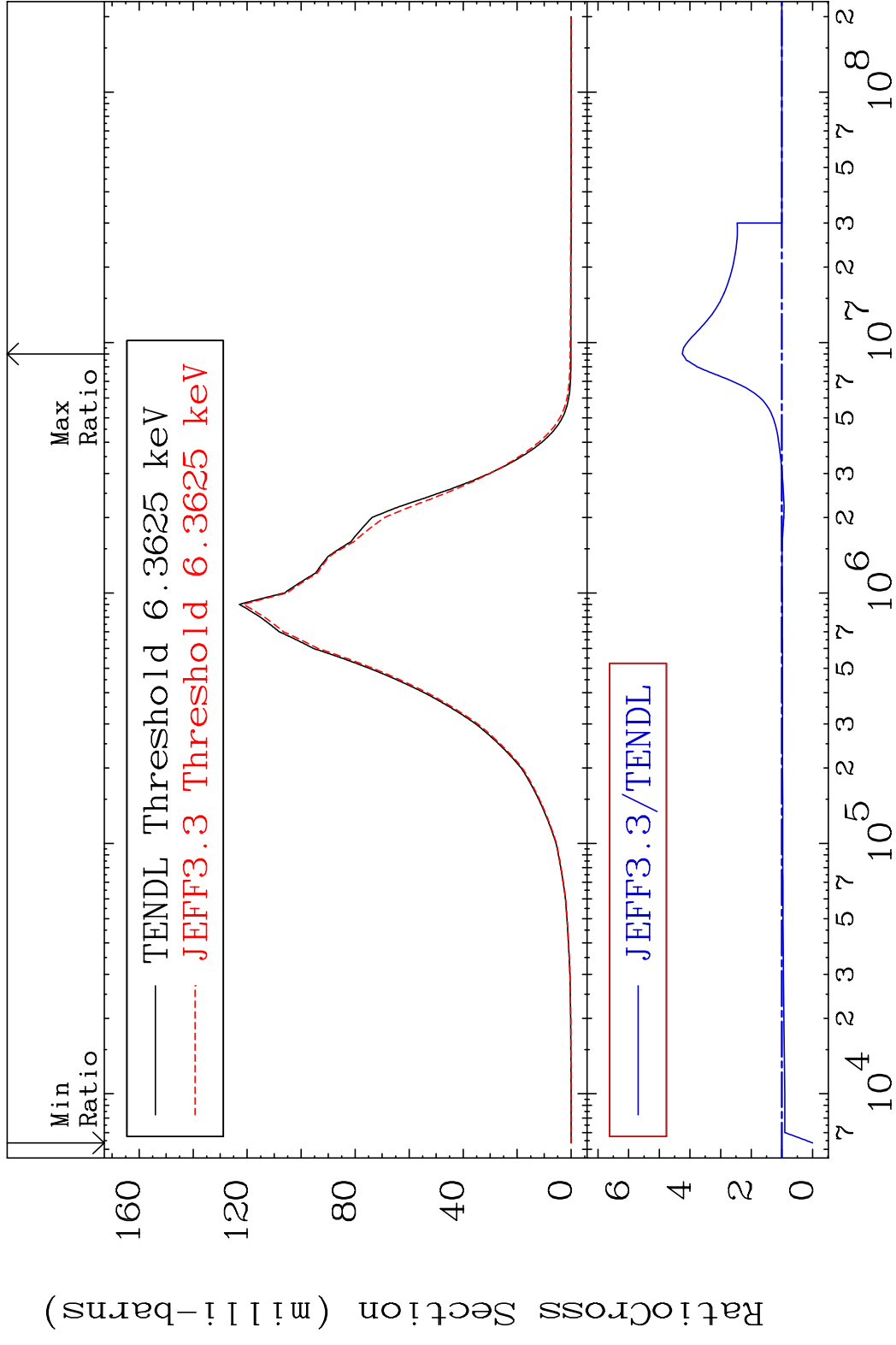
MAT 5052 (n,3n) p 50-Sn-121
 Cross Section -100.0 To 9999. %



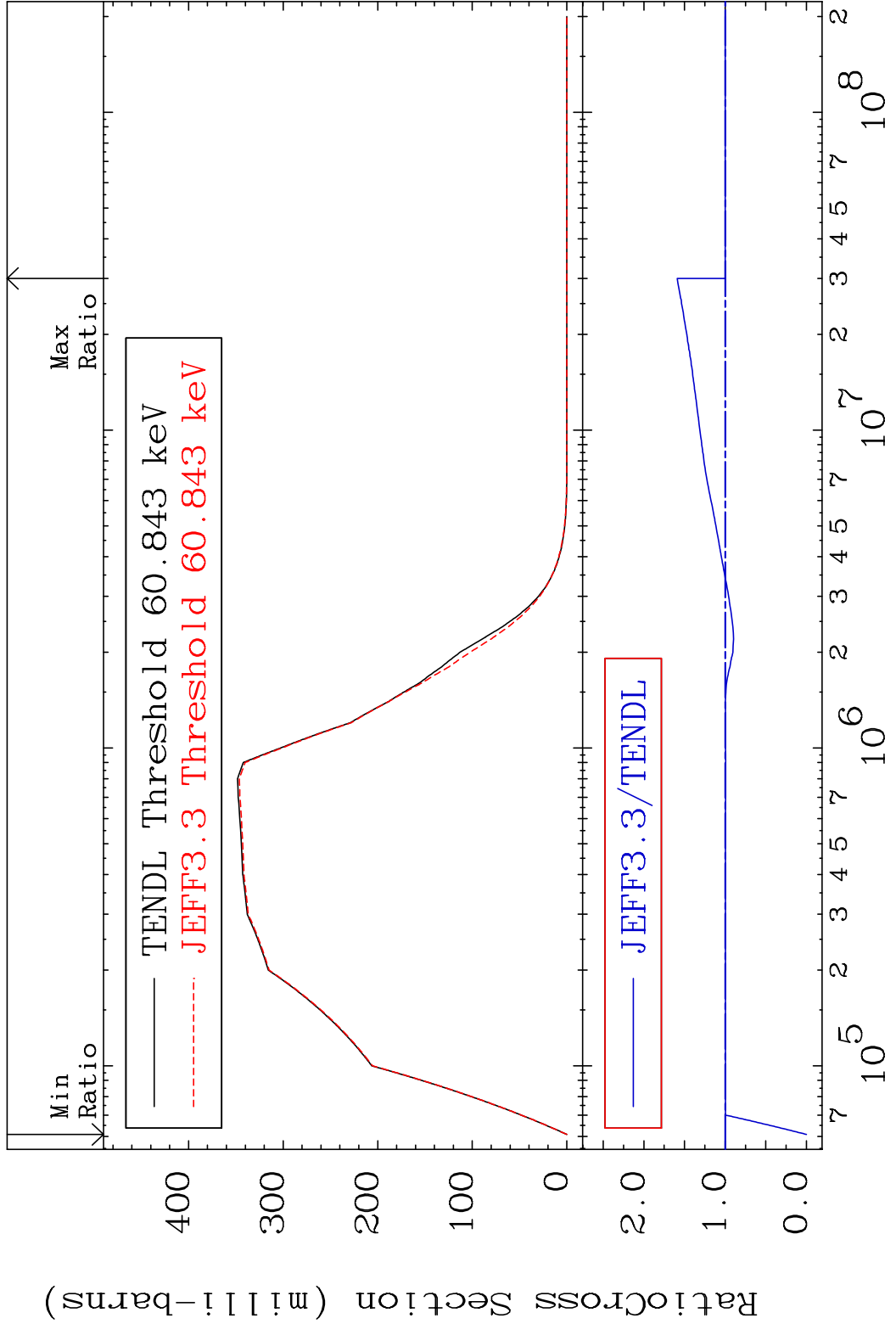
MAT 5052 (n,2n) p 50-Sn-121
 Cross Section -100.0 To 3716. %



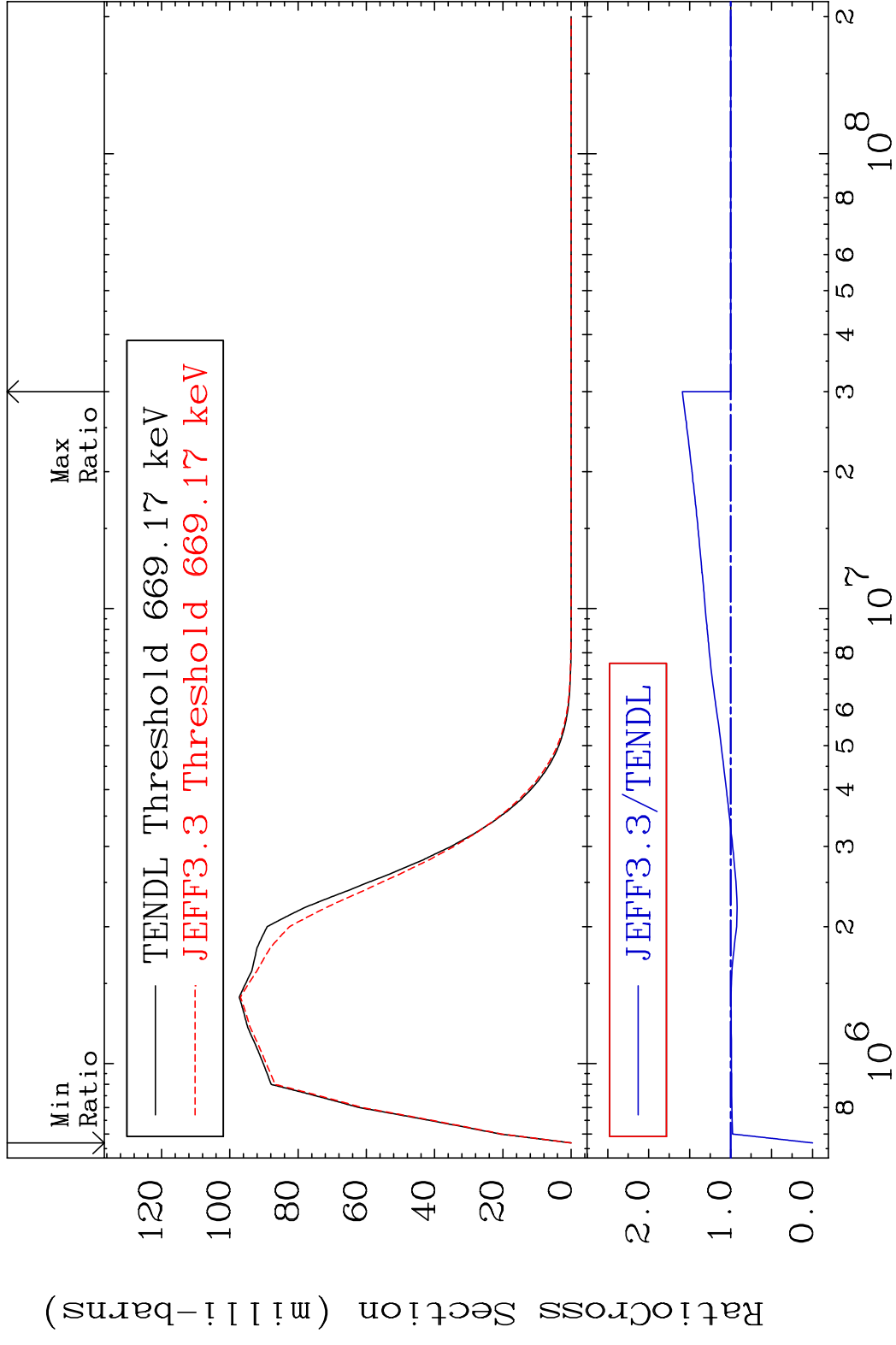
MAT 5052 MT= 51 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 324.9 %



MAT 5052 MT= 52 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 59.02 %

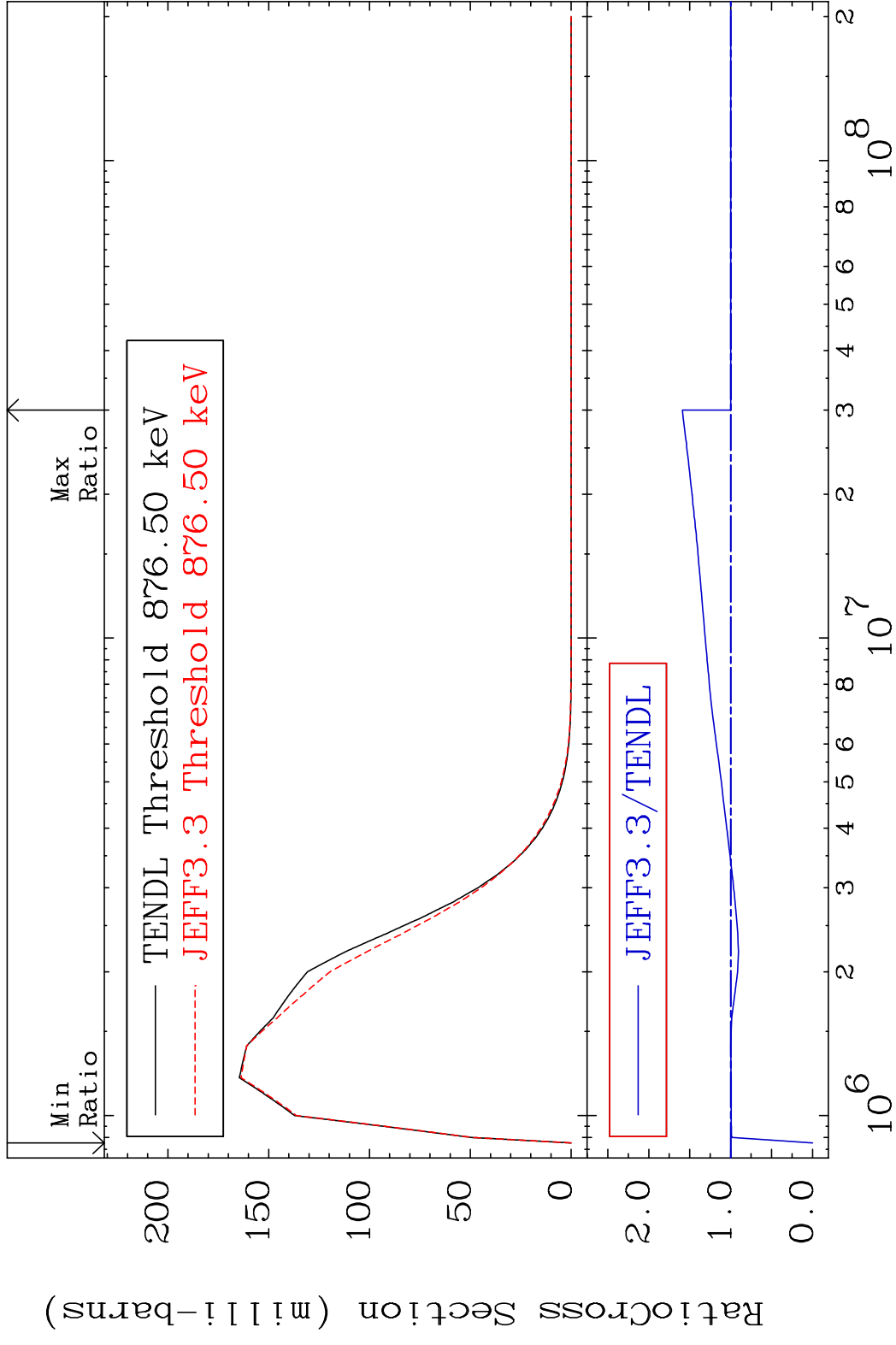


MAT 5052 MT= 53 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 58.92 %

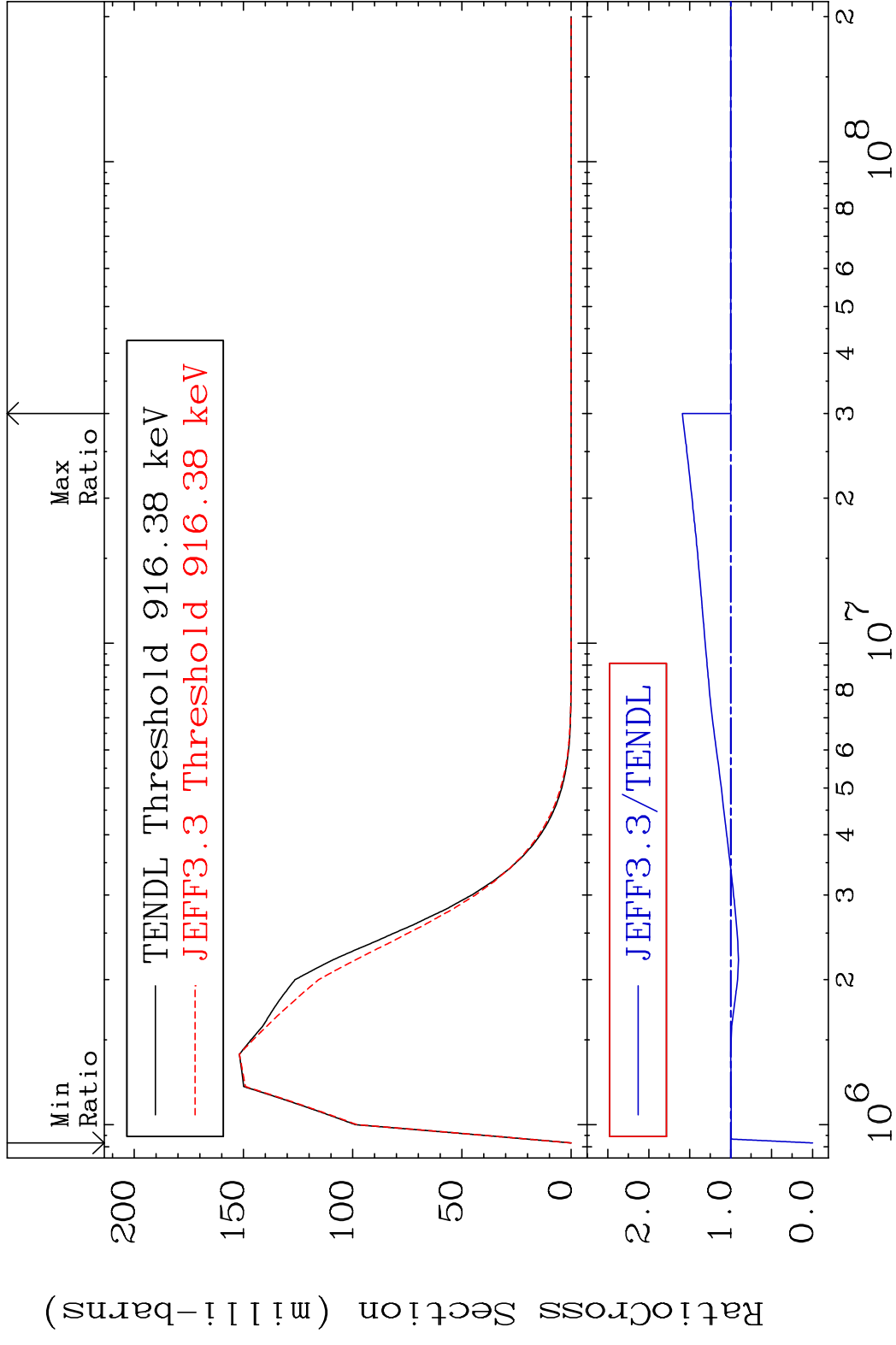


20 Incident Energy (eV) 50-Sn-121

MAT 5052 MT= 54 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 58.99 %

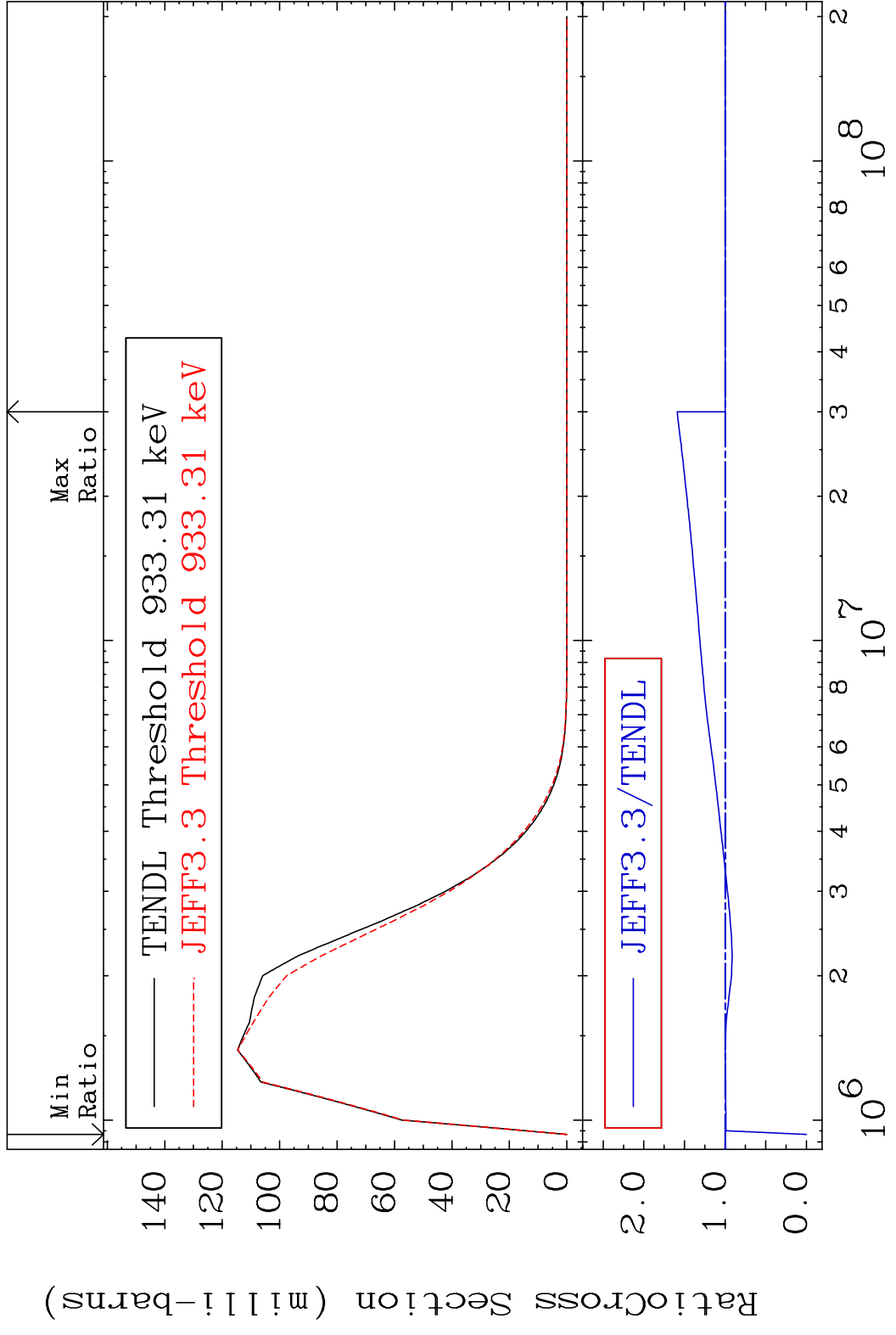


MAT 5052 MT= 55 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 58.99 %

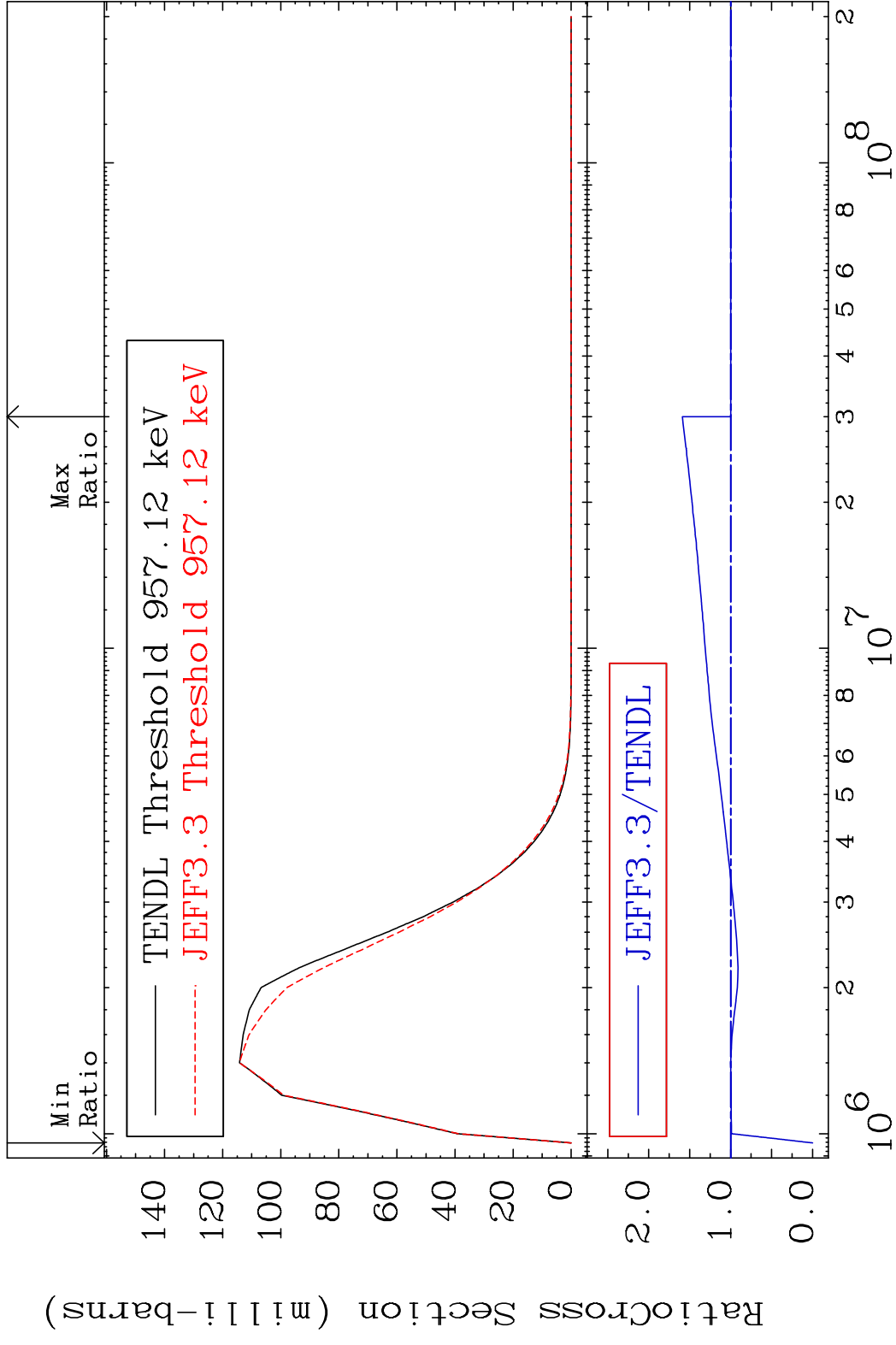


22 Incident Energy (eV) 50-Sn-121

MAT 5052 MT= 56 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 58.96 %

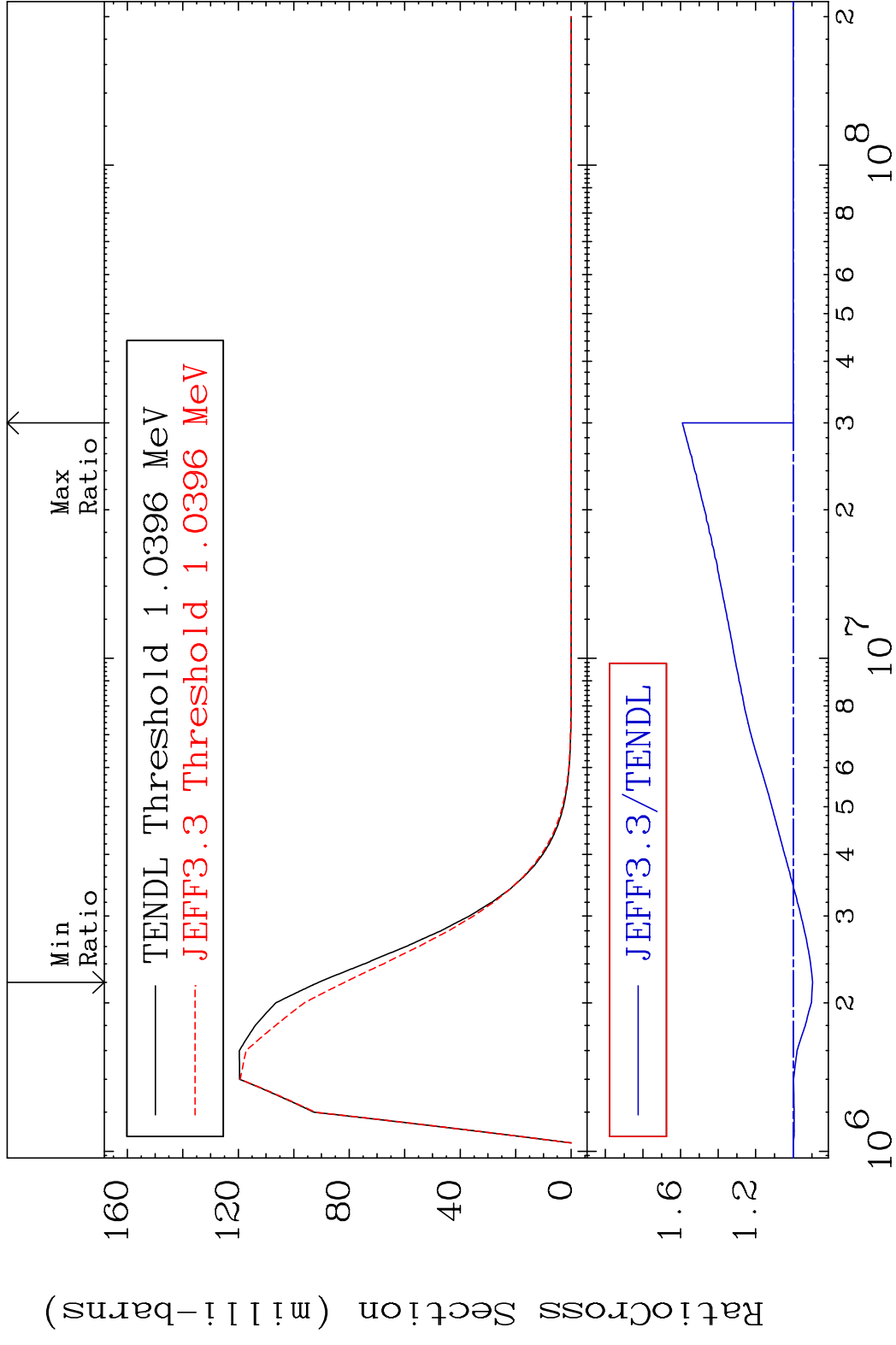


MAT 5052 MT= 57 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 58.96 %

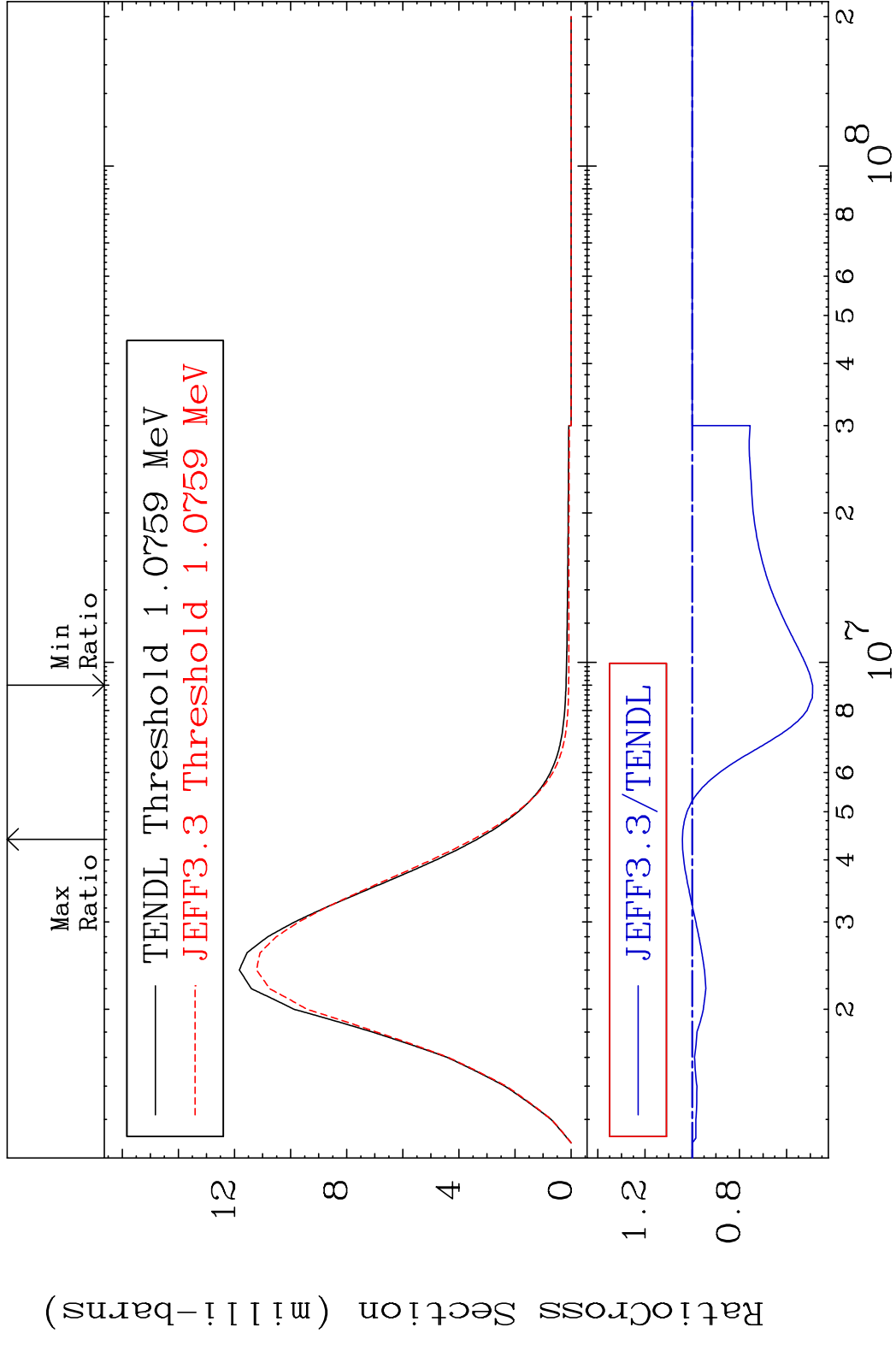


24 Incident Energy (eV) 50-Sn-121

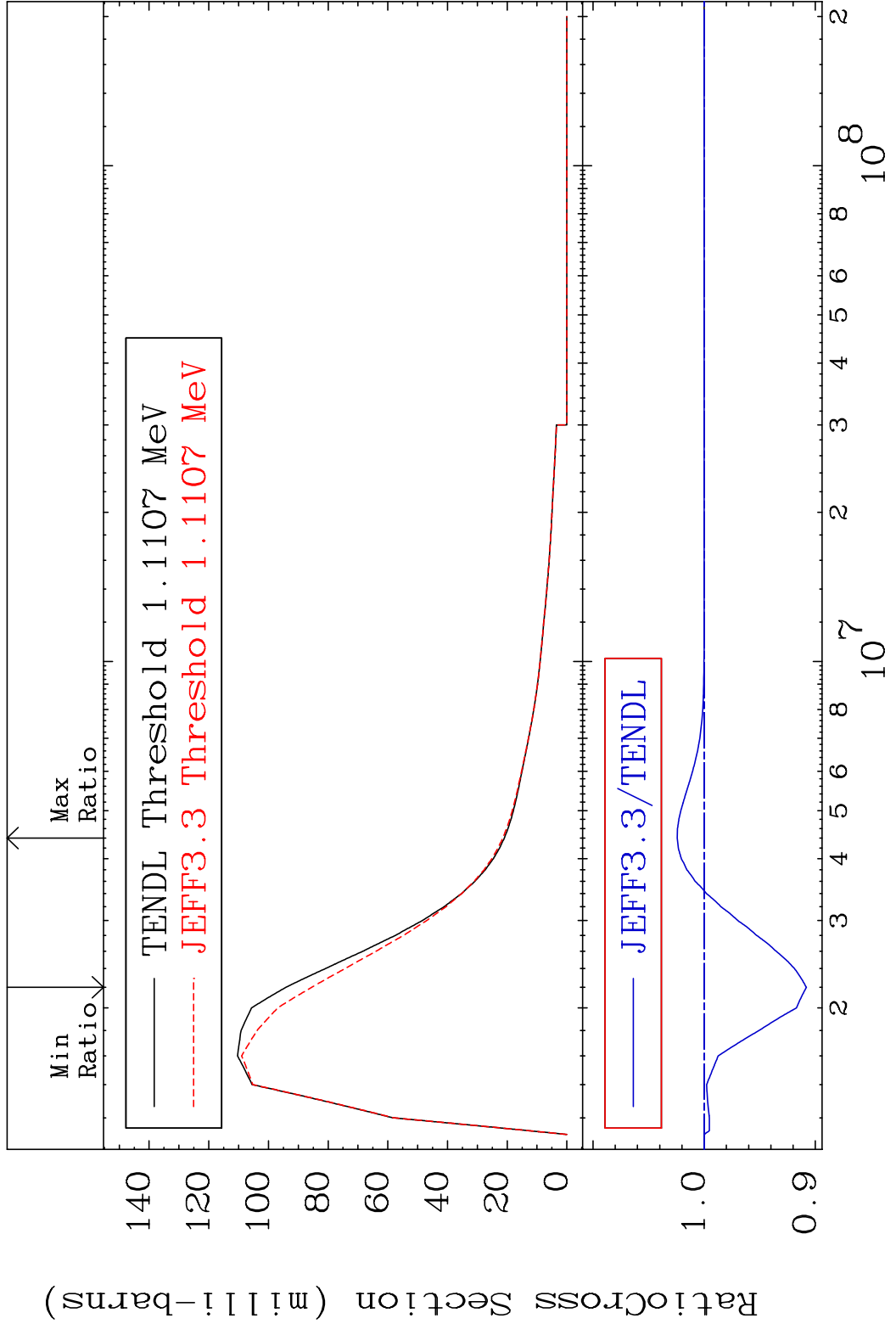
MAT 5052 MT= 58 (n,n') Level 50-Sn-121
 Cross Section -10.28 To 59.02 %



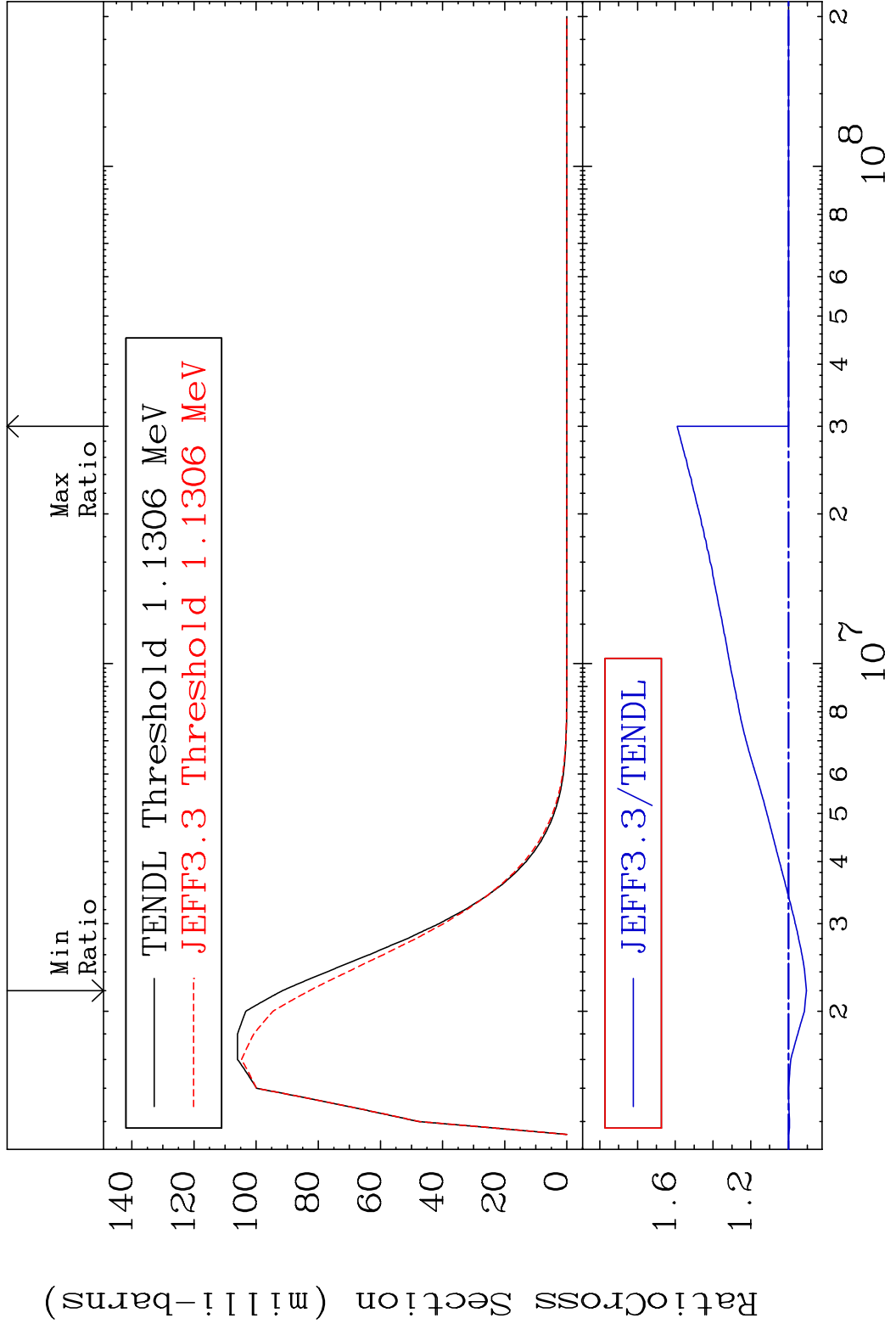
MAT 5052 MT= 59 (n, n') Level 50-Sn-121
 Cross Section -50.99 To 4.197 %



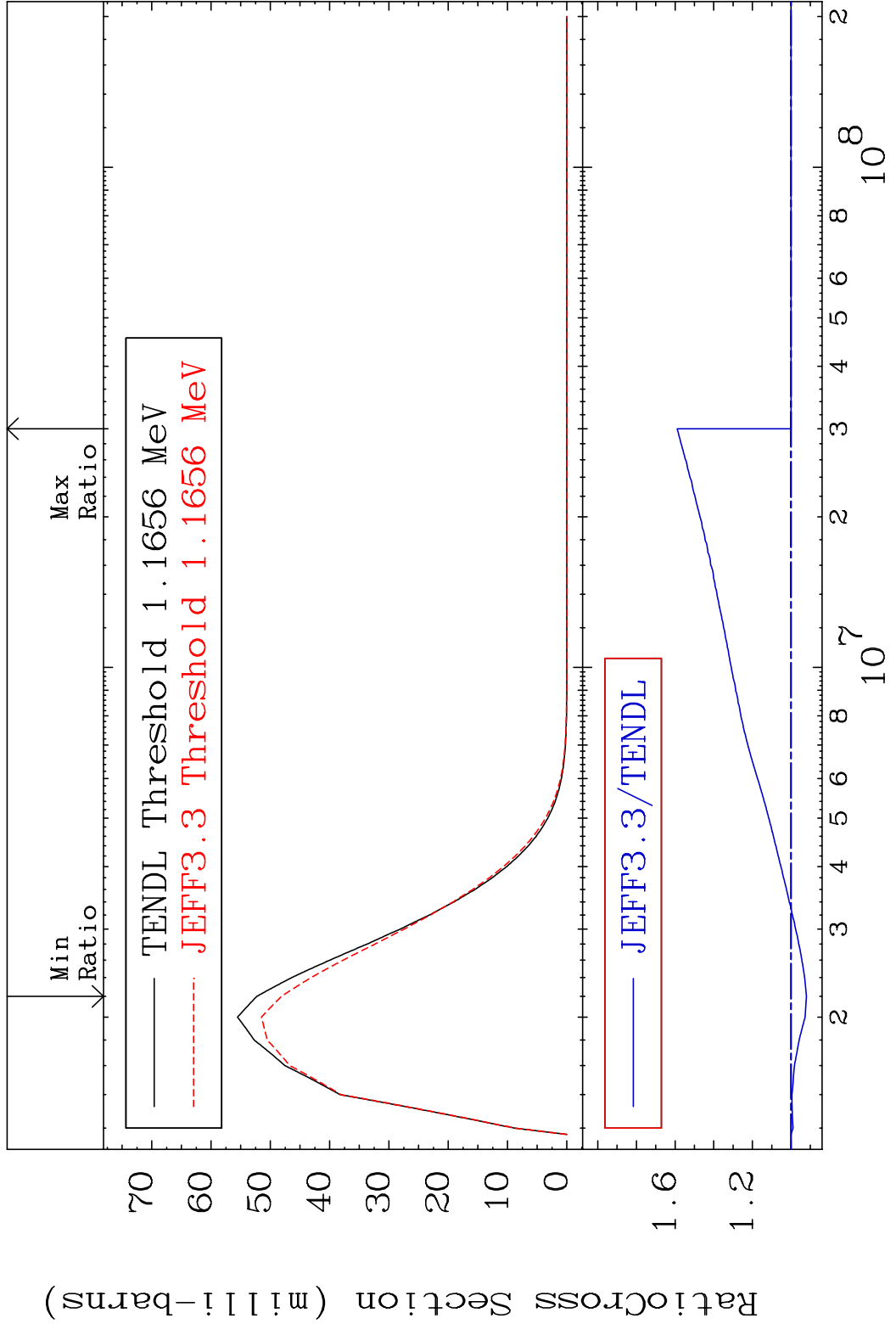
MAT 5052 MT= 60 (n,n') Level 50-Sn-121
 Cross Section -9.196 To 2.429 %



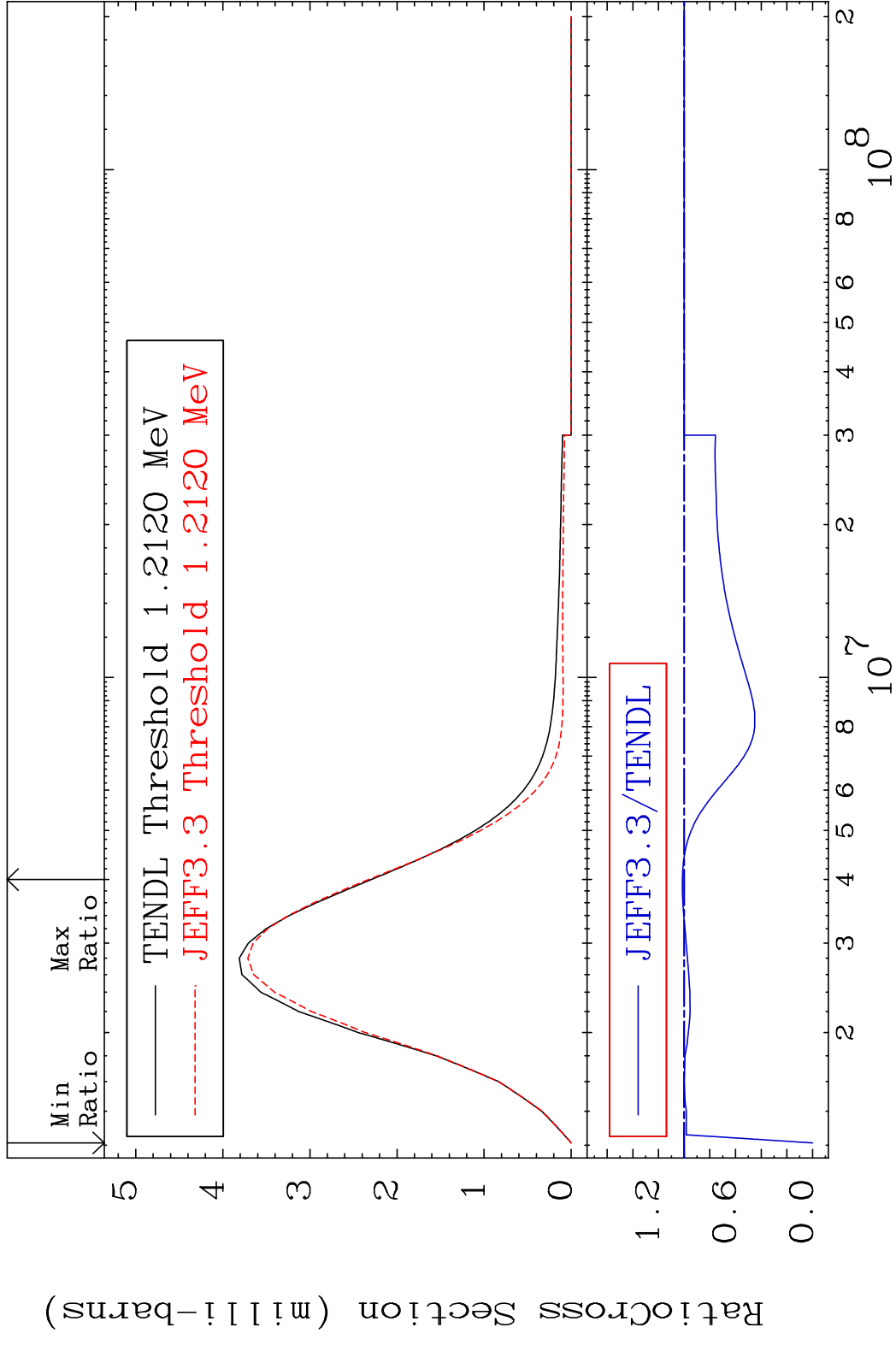
MAT 5052 MT= 61 (n, n') Level 50-Sn-121
 Cross Section -9.493 To 59.00 %



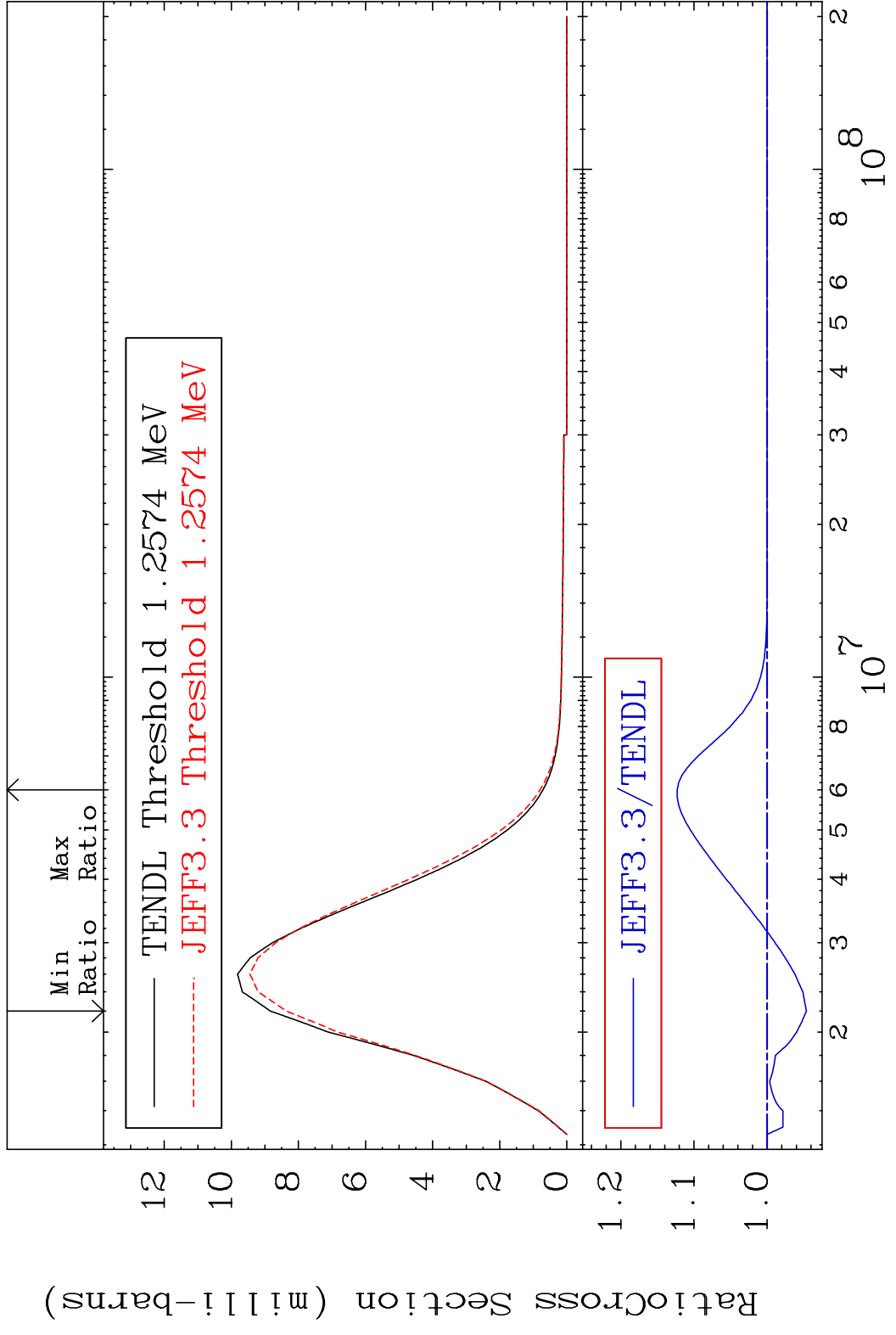
MAT 5052 MT= 62 (n, n') Level 50-Sn-121
 Cross Section -7.945 To 58.92 %



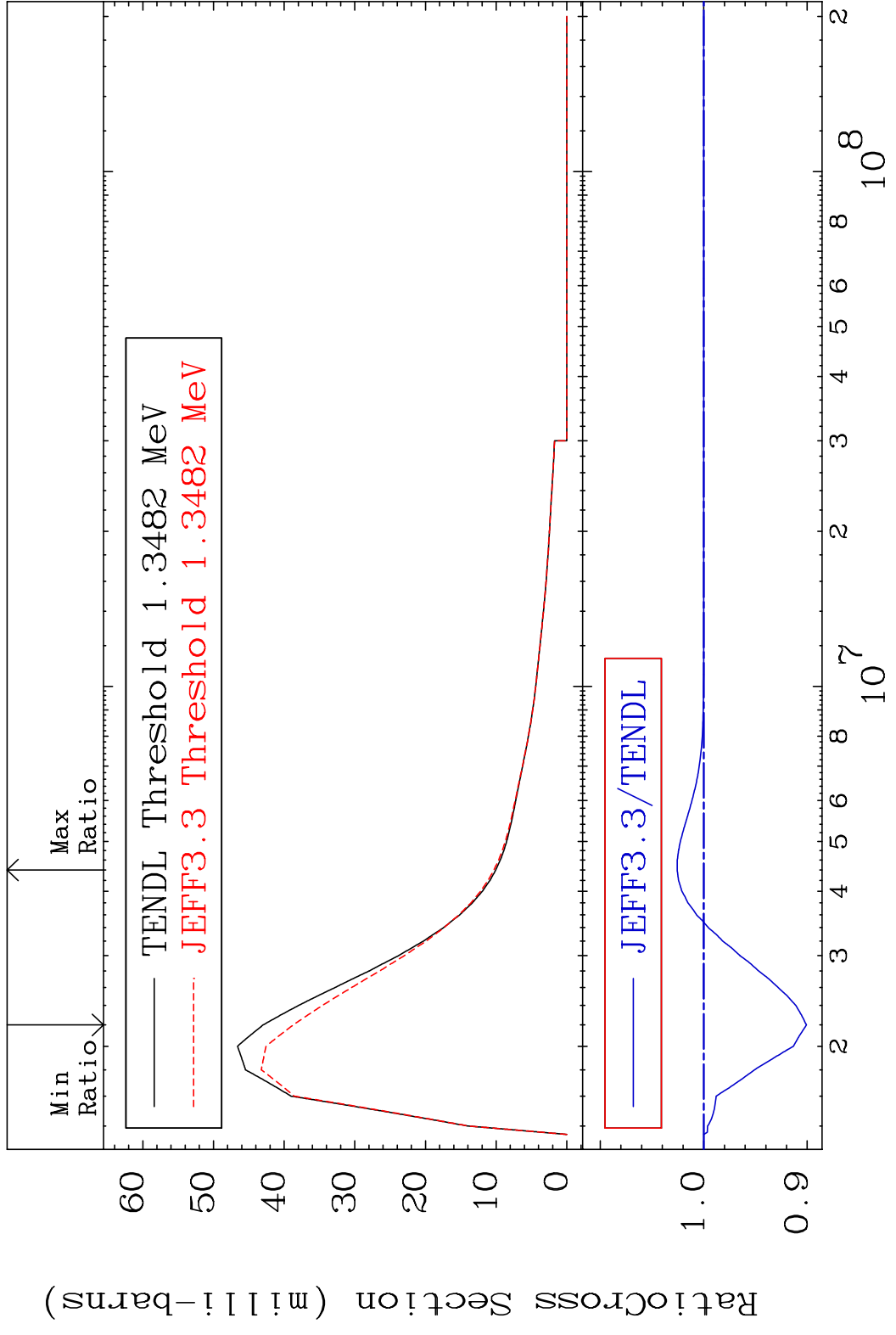
MAT 5052 MT= 63 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 1.417 %



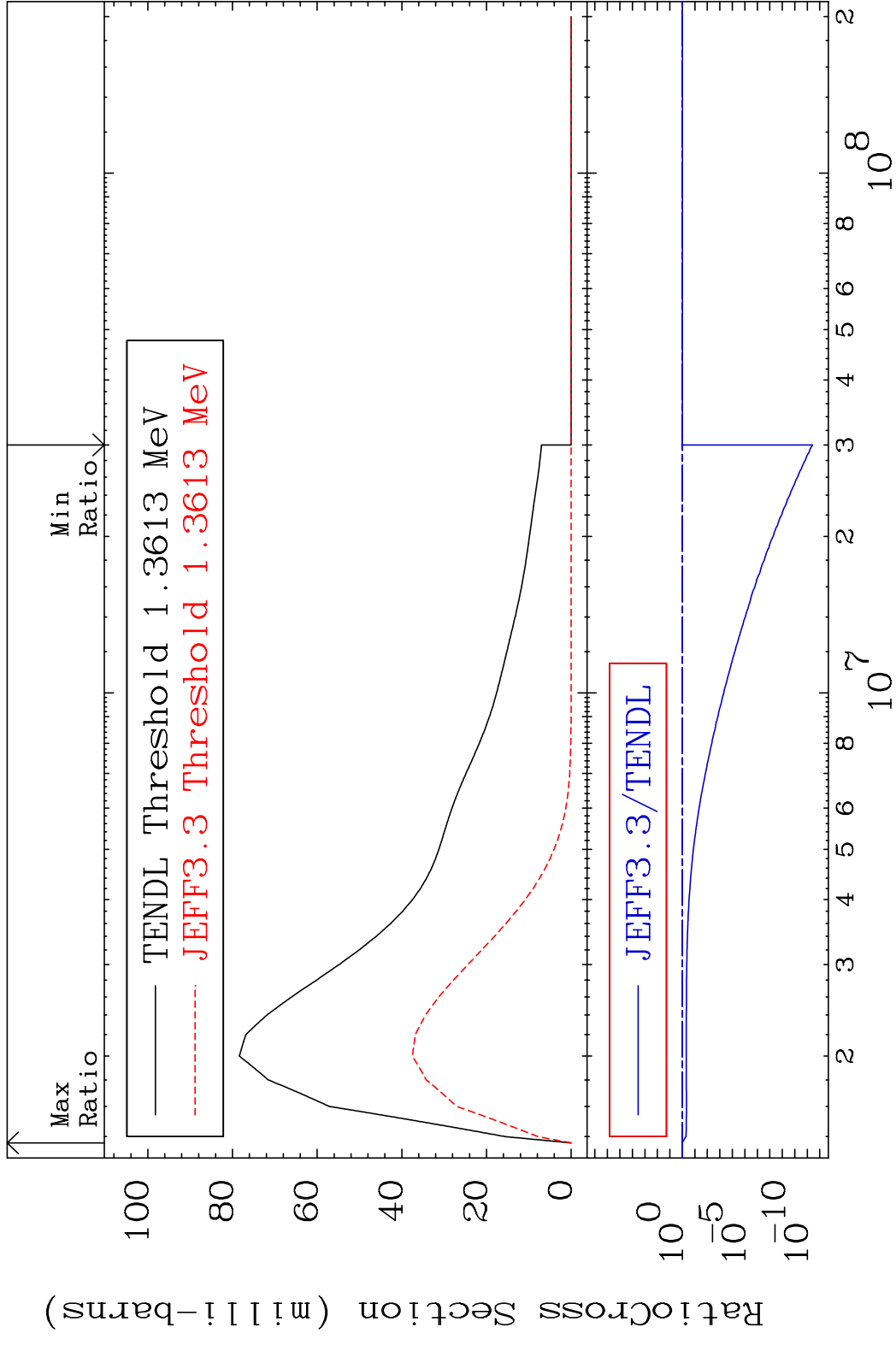
MAT 5052 MT= 64 (n,n') Level 50-Sn-121
 Cross Section -5.361 To 12.30 %



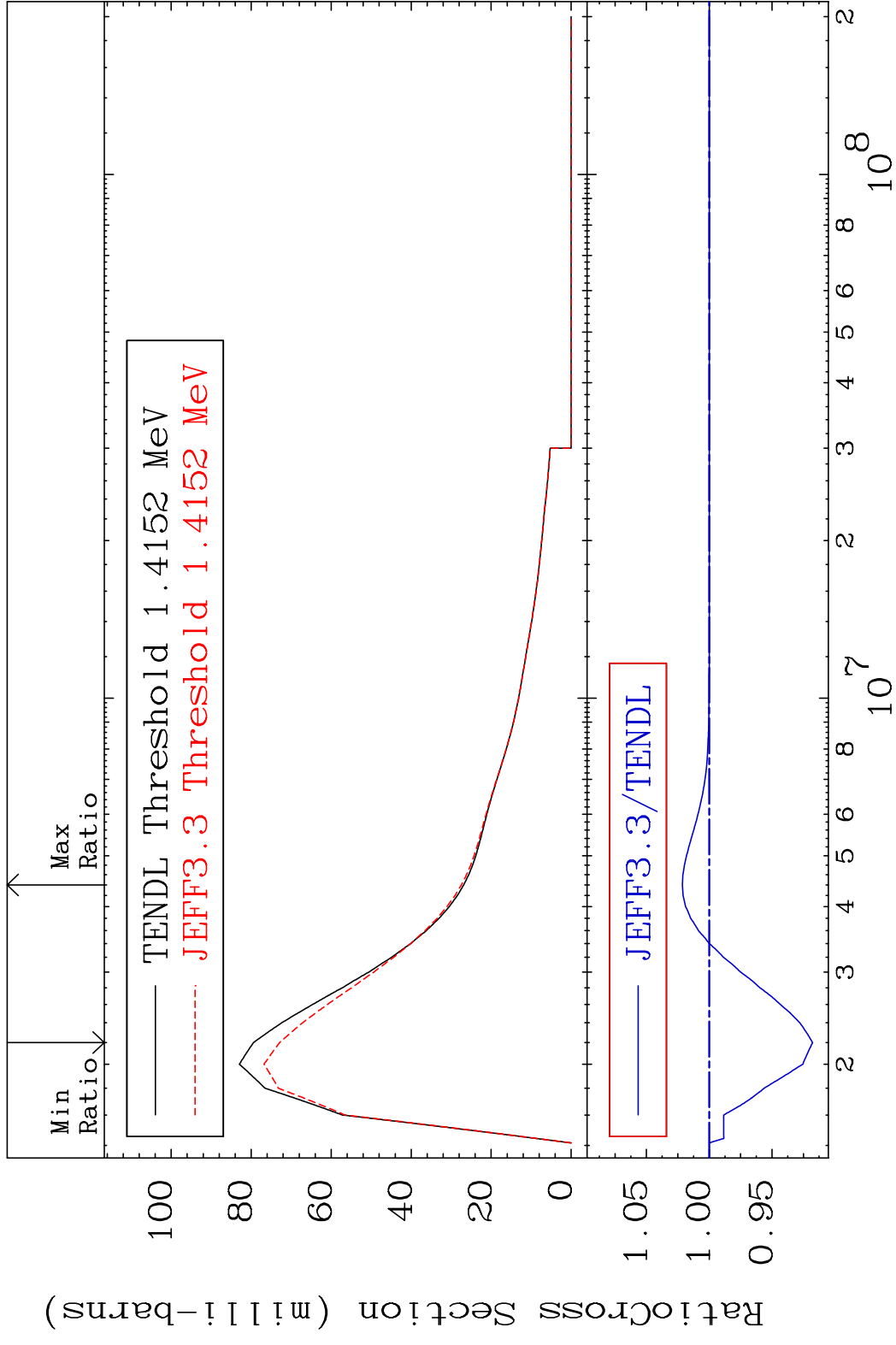
MAT 5052 MT= 65 (n, n') Level 50-Sn-121
 Cross Section -9.919 To 2.566 %



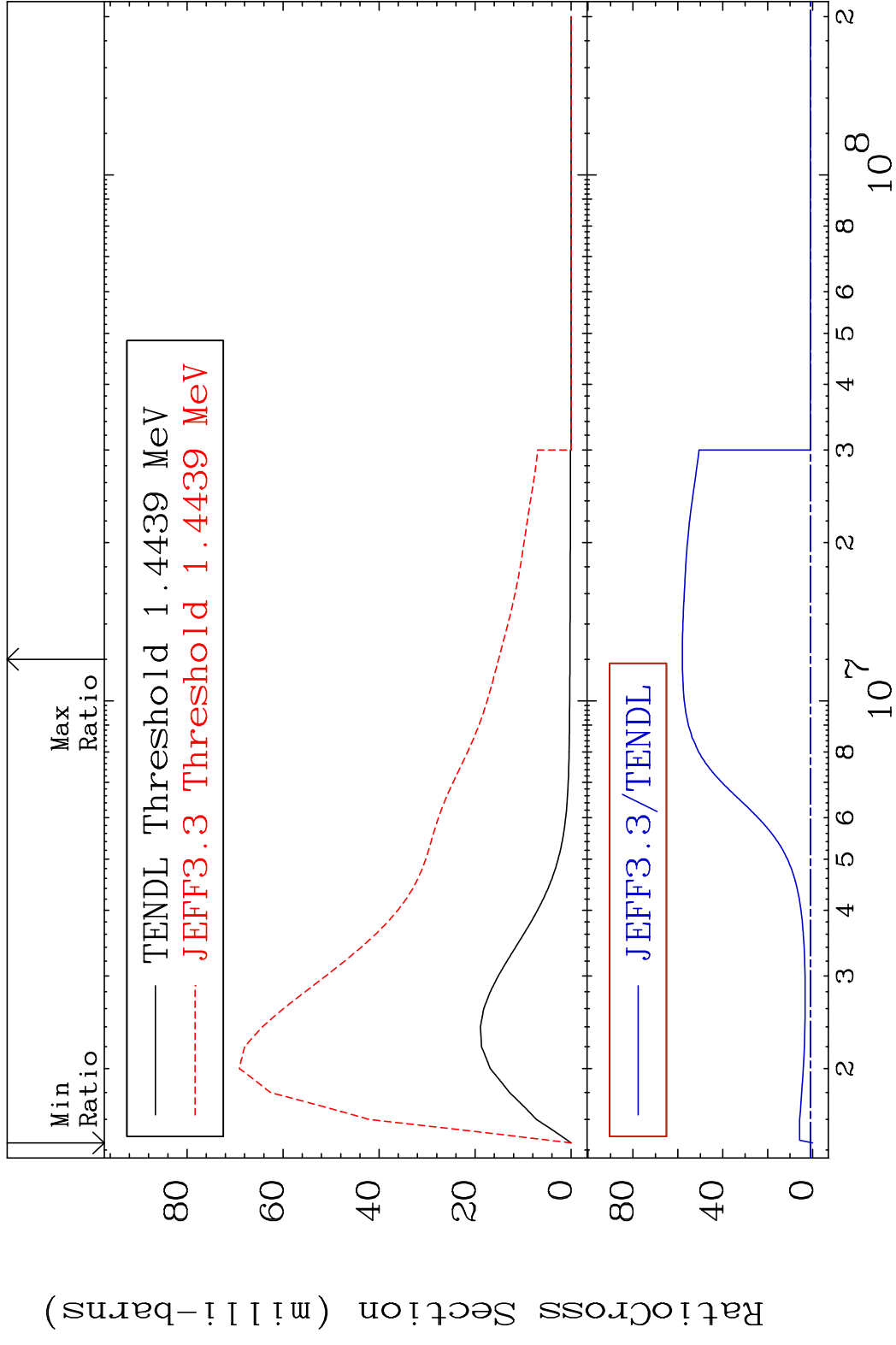
MAT 5052 MT= 66 (n,n') Level 50-Sn-121
 Cross Section -100.0 To 0.000 %



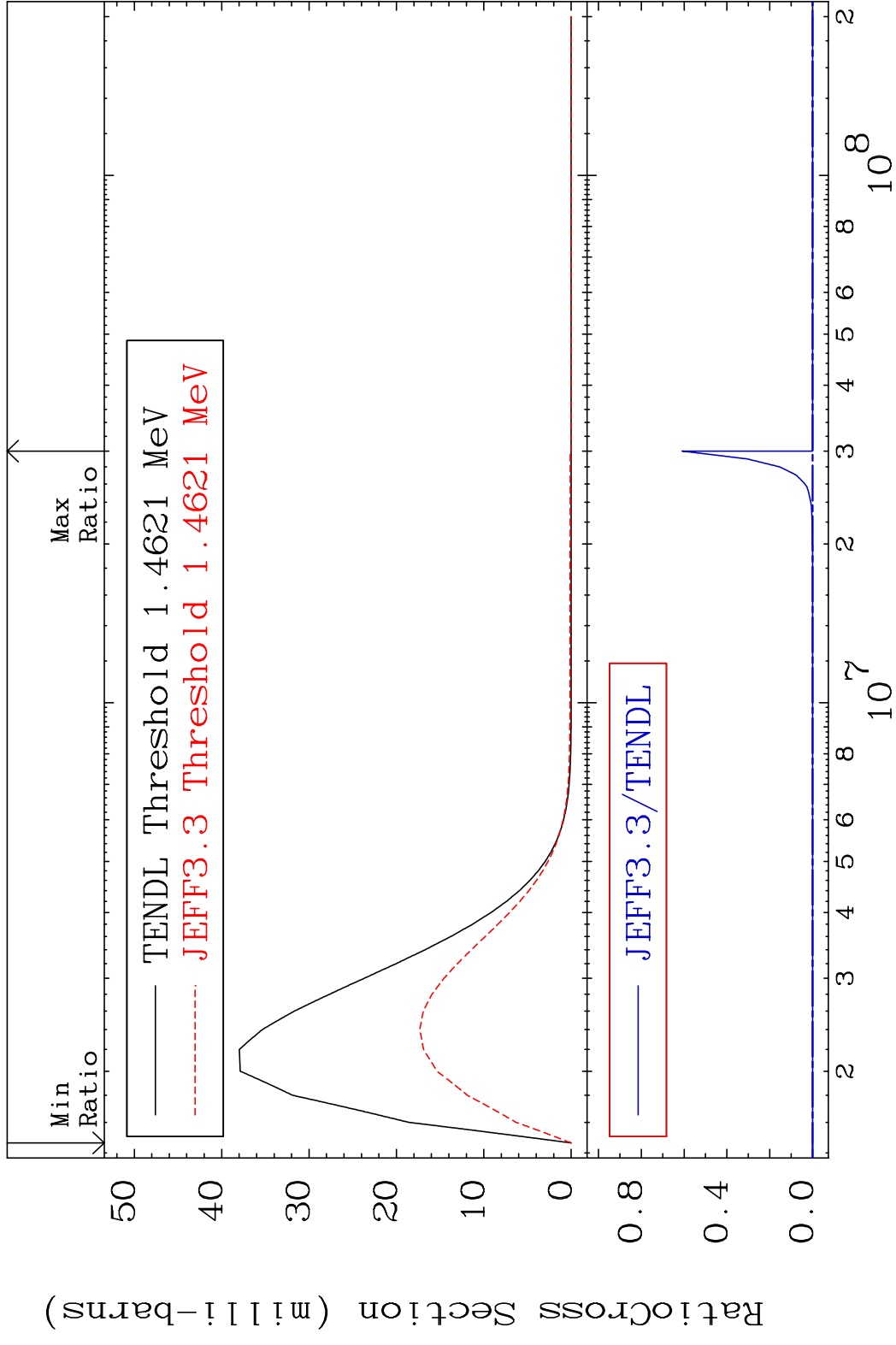
MAT 5052 MT= 67 (n,n') Level 50-Sn-121
 Cross Section -8.229 To 2.142 %



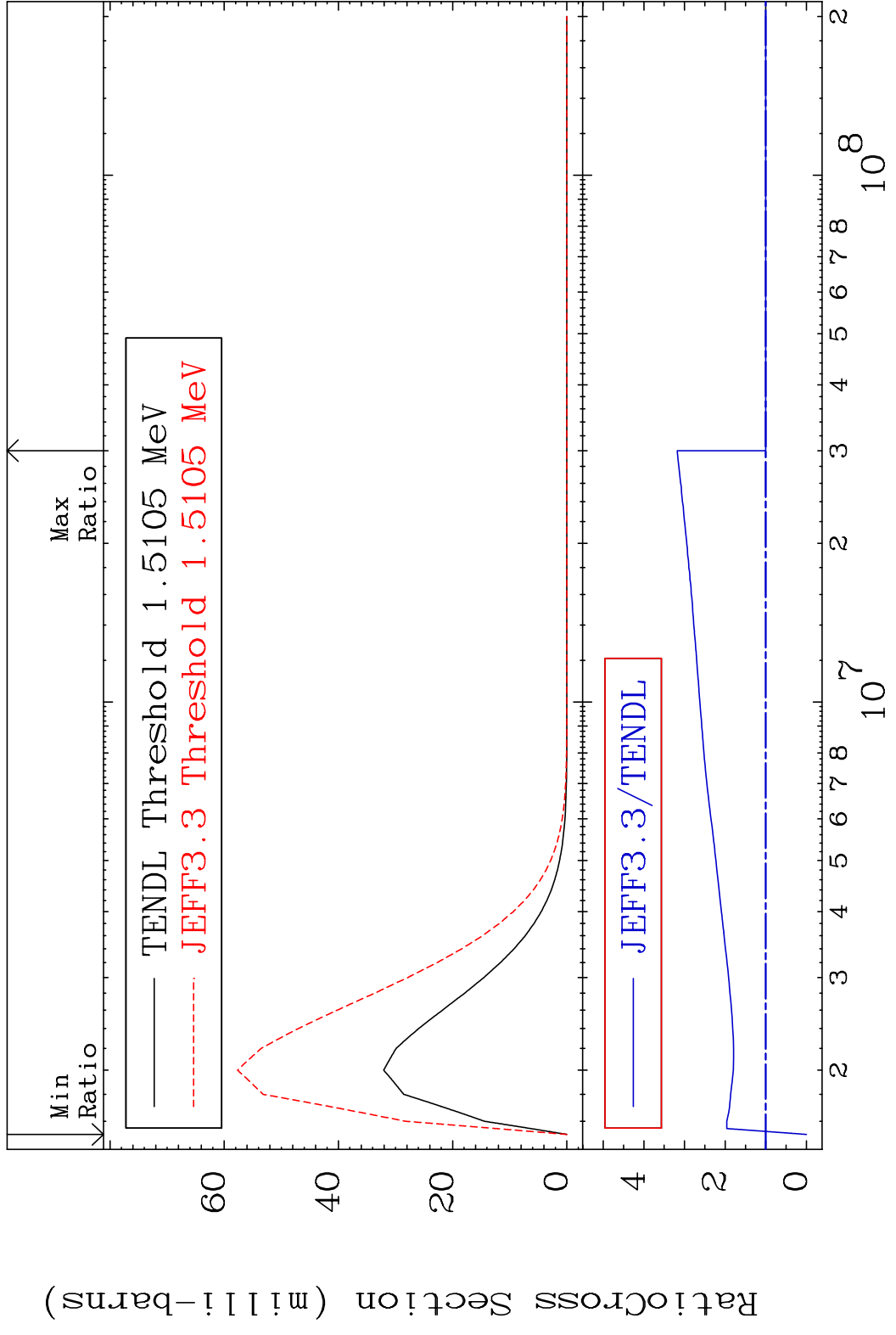
MAT 5052 MT= 68 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 5699. %



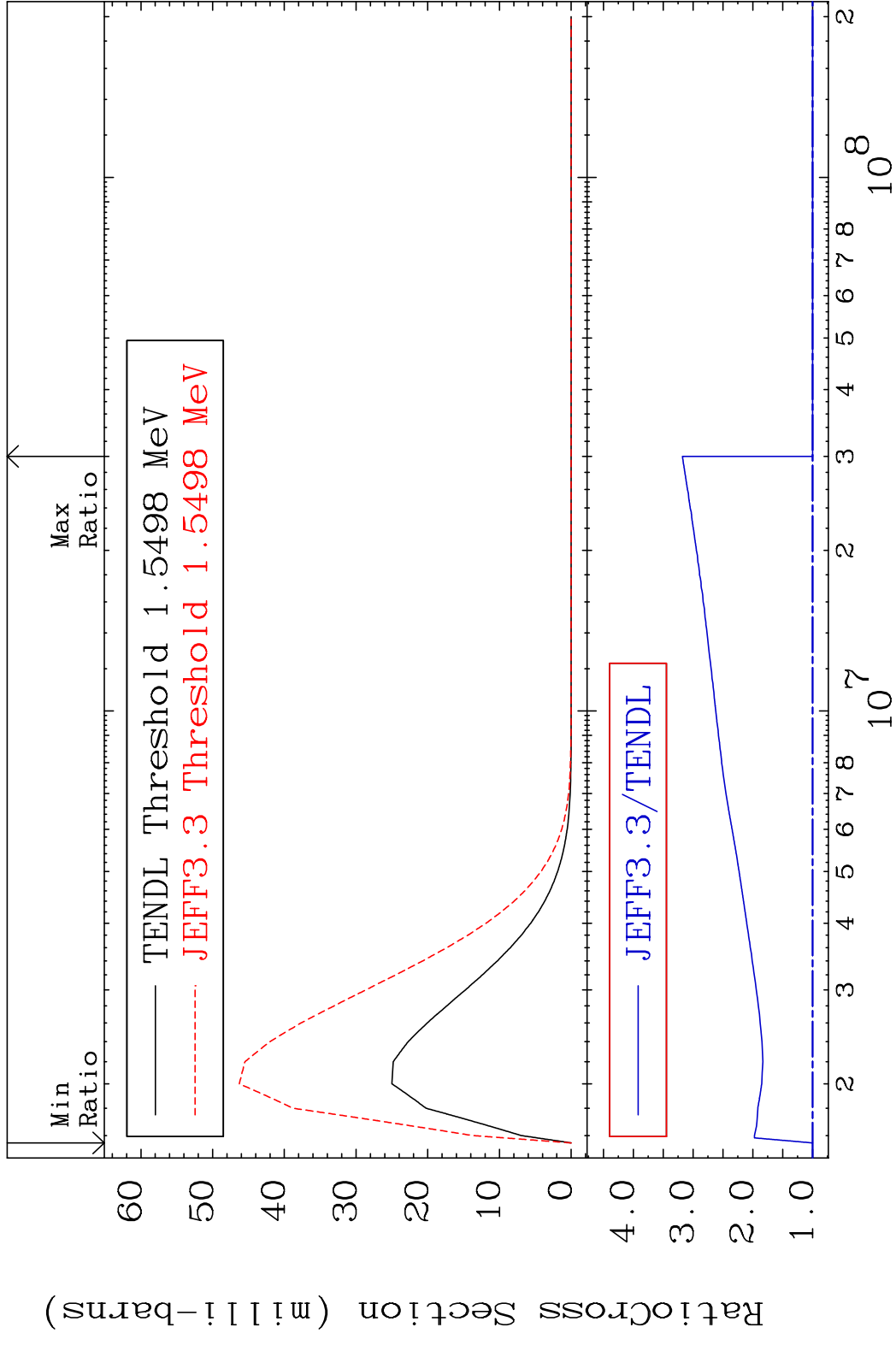
MAT 5052 MT= 69 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 9999. %



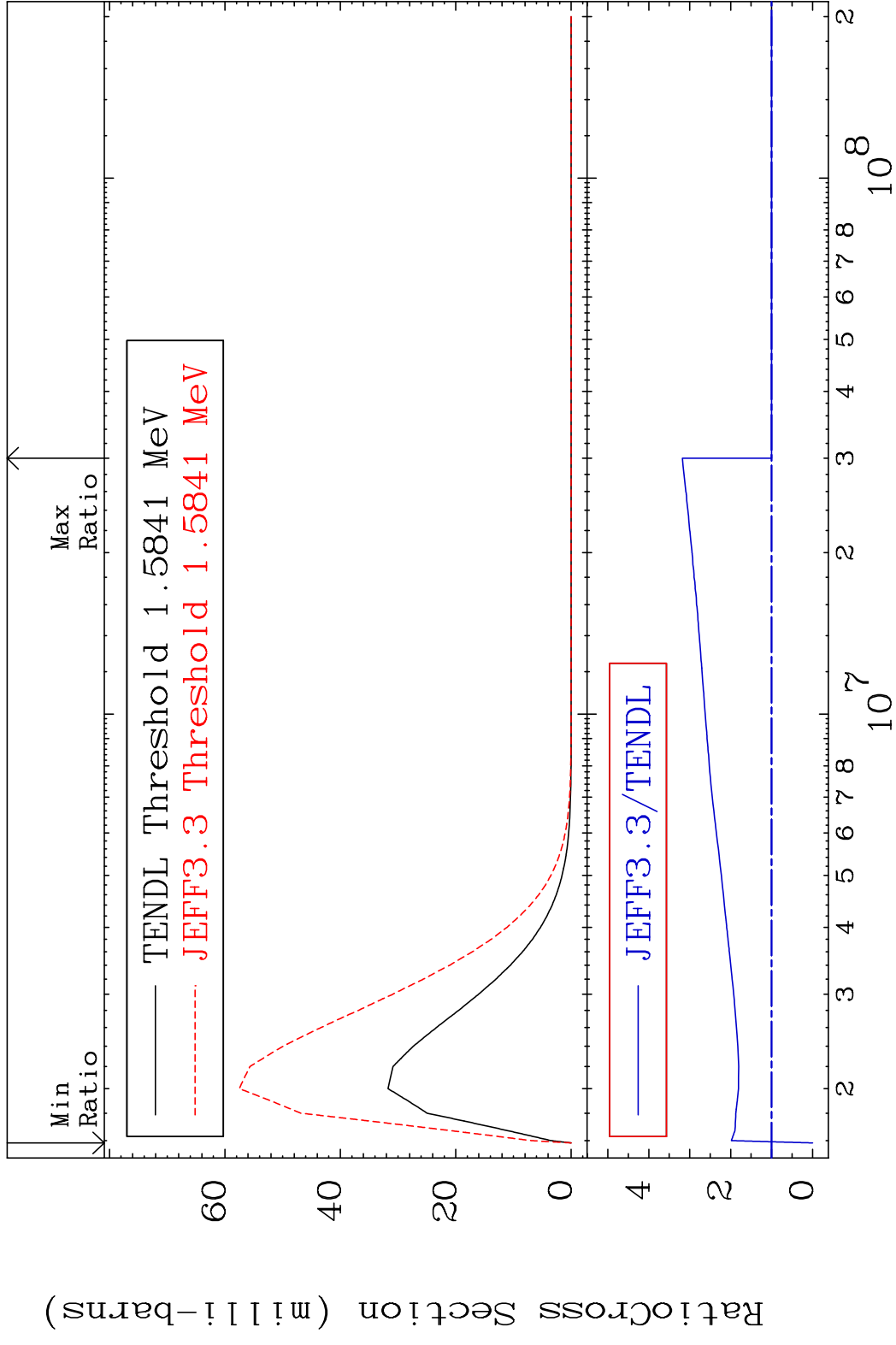
MAT 5052 MT= 70 (n,n') Level 50-Sn-121
 Cross Section -100.0 To 218.0 %



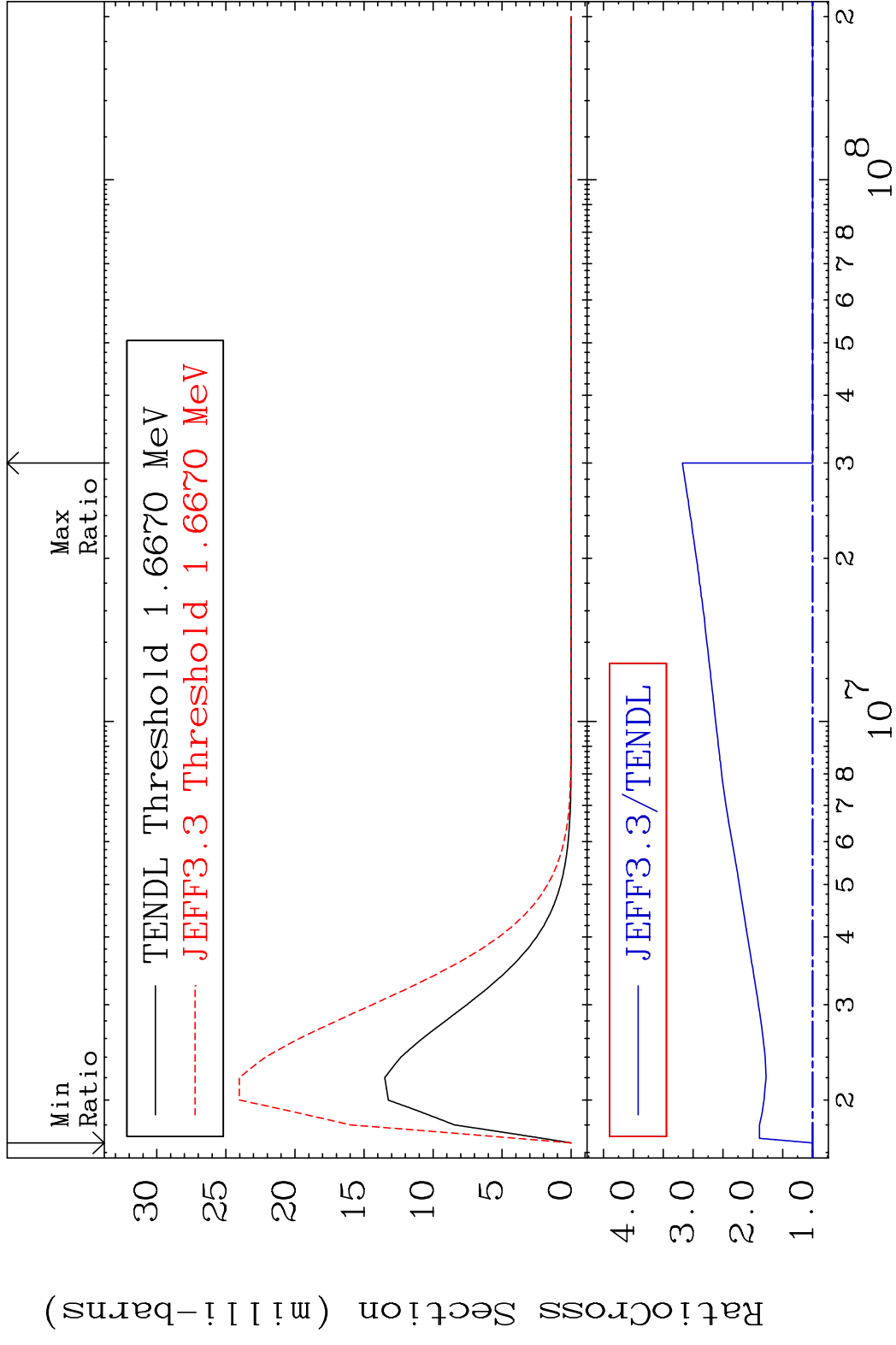
MAT 5052 MT= 71 (n, n') Level 50-Sn-121
 Cross Section 0.000 To 217.9 %



MAT 5052 MT= 72 (n, n') Level 50-Sn-121
 Cross Section -100.0 To 218.0 %

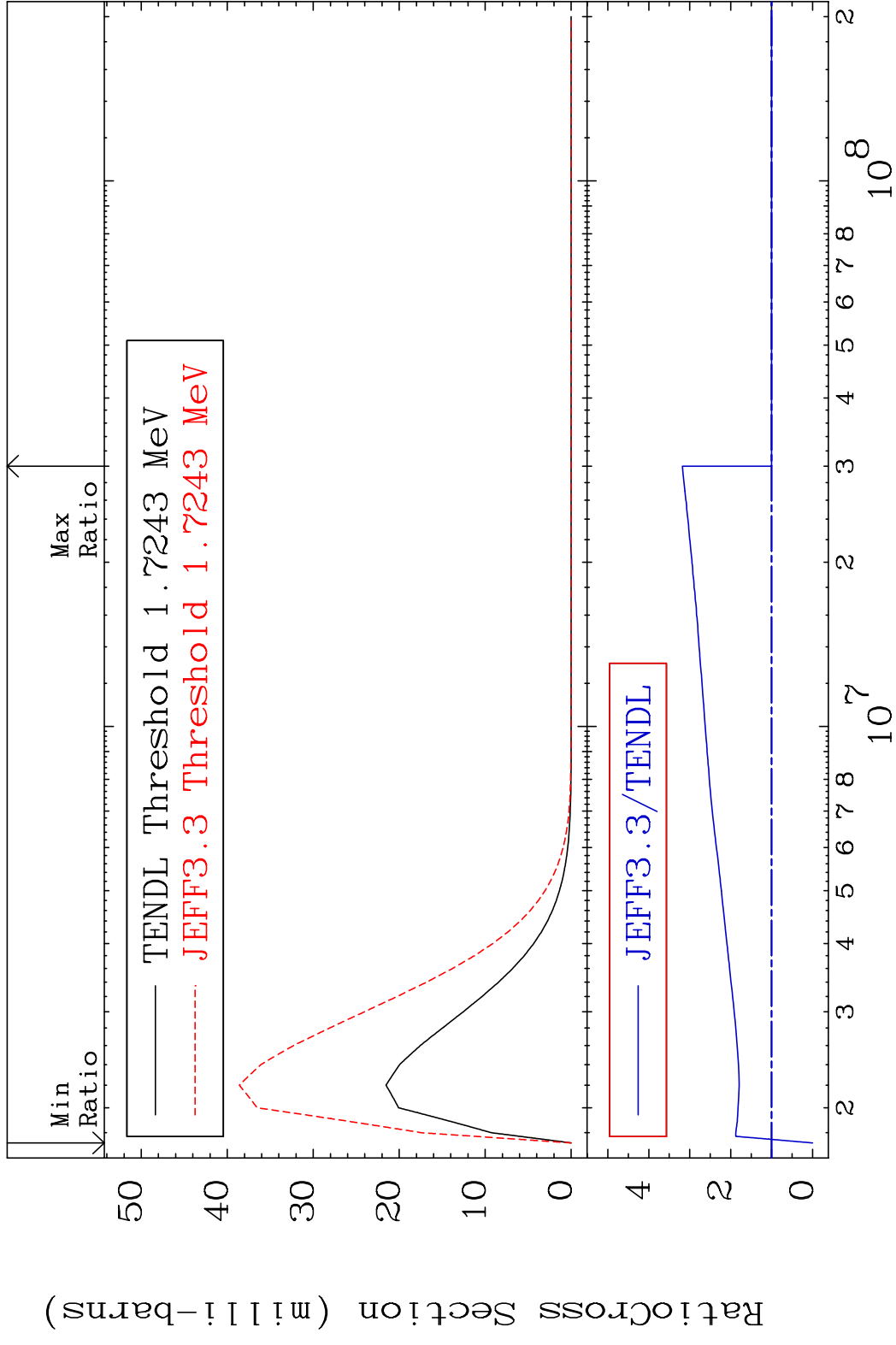


MAT 5052 MT= 73 (n, n') Level 50-Sn-121
 Cross Section 0.000 To 218.1 %

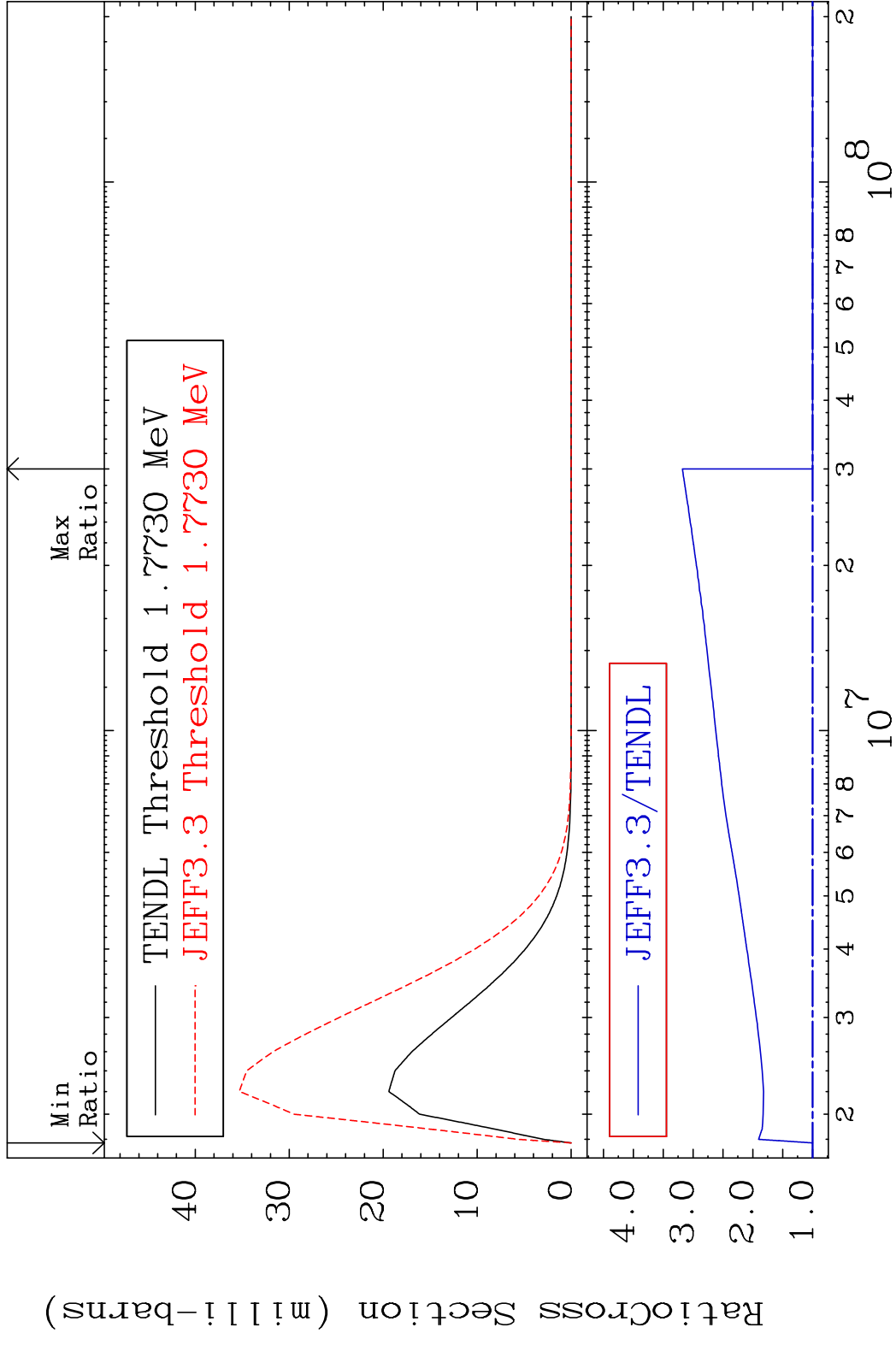


40 Incident Energy (eV) 50-Sn-121

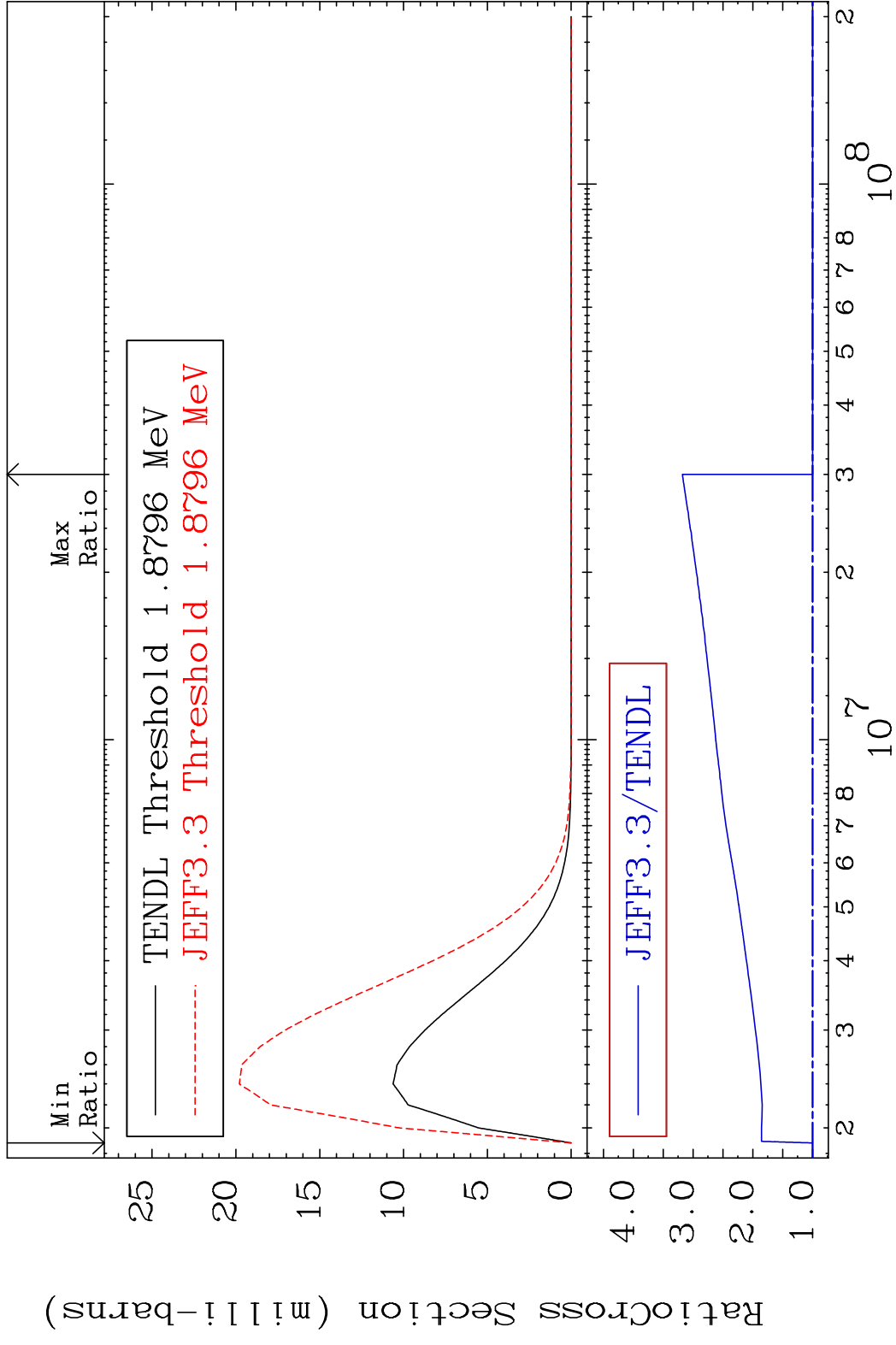
MAT 5052 MT= 74 (n,n') Level 50-Sn-121
 Cross Section -100.0 To 218.0 %



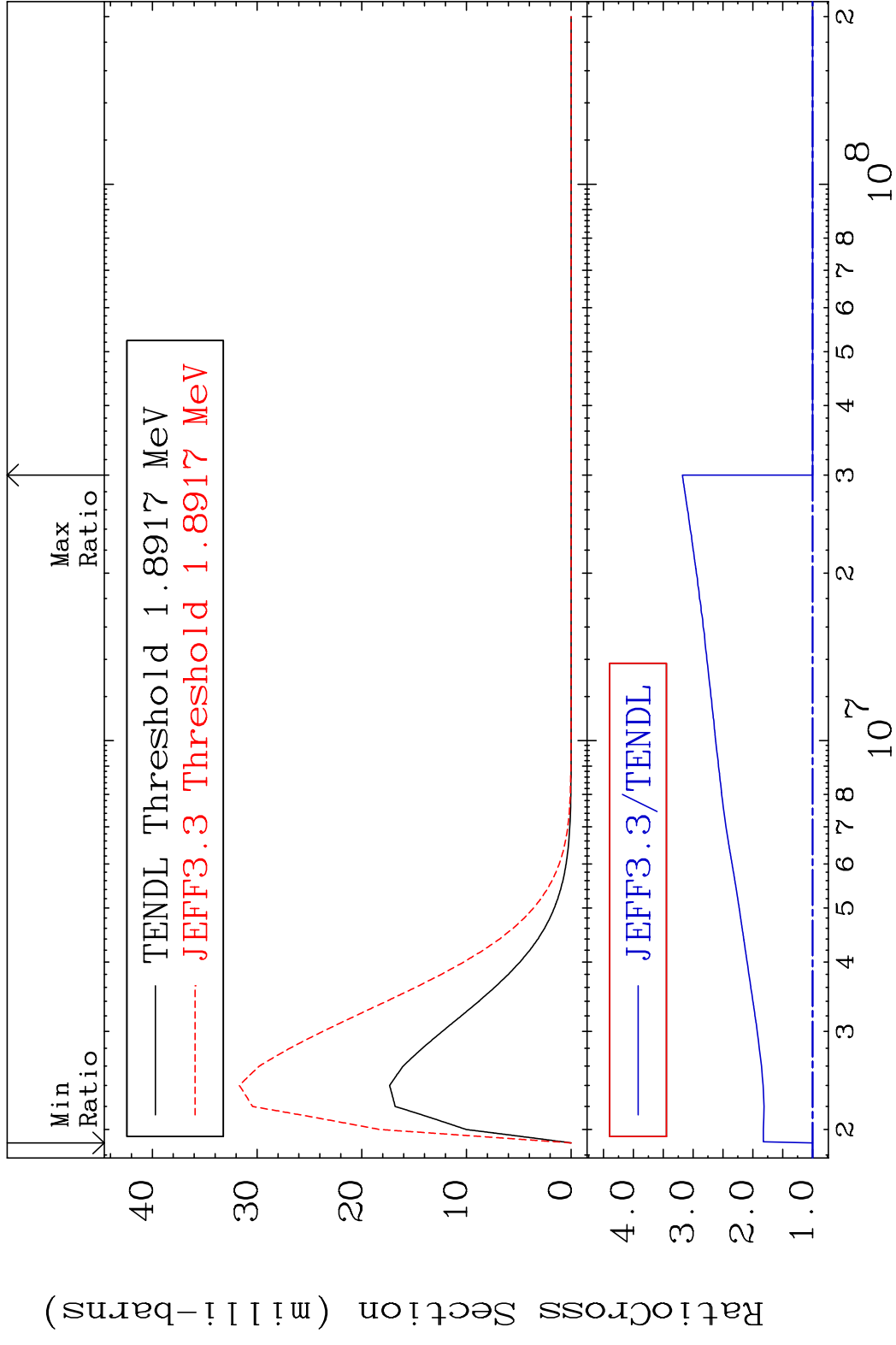
MAT 5052 MT= 75 (n, n') Level 50-Sn-121
 Cross Section 0.000 To 217.9 %



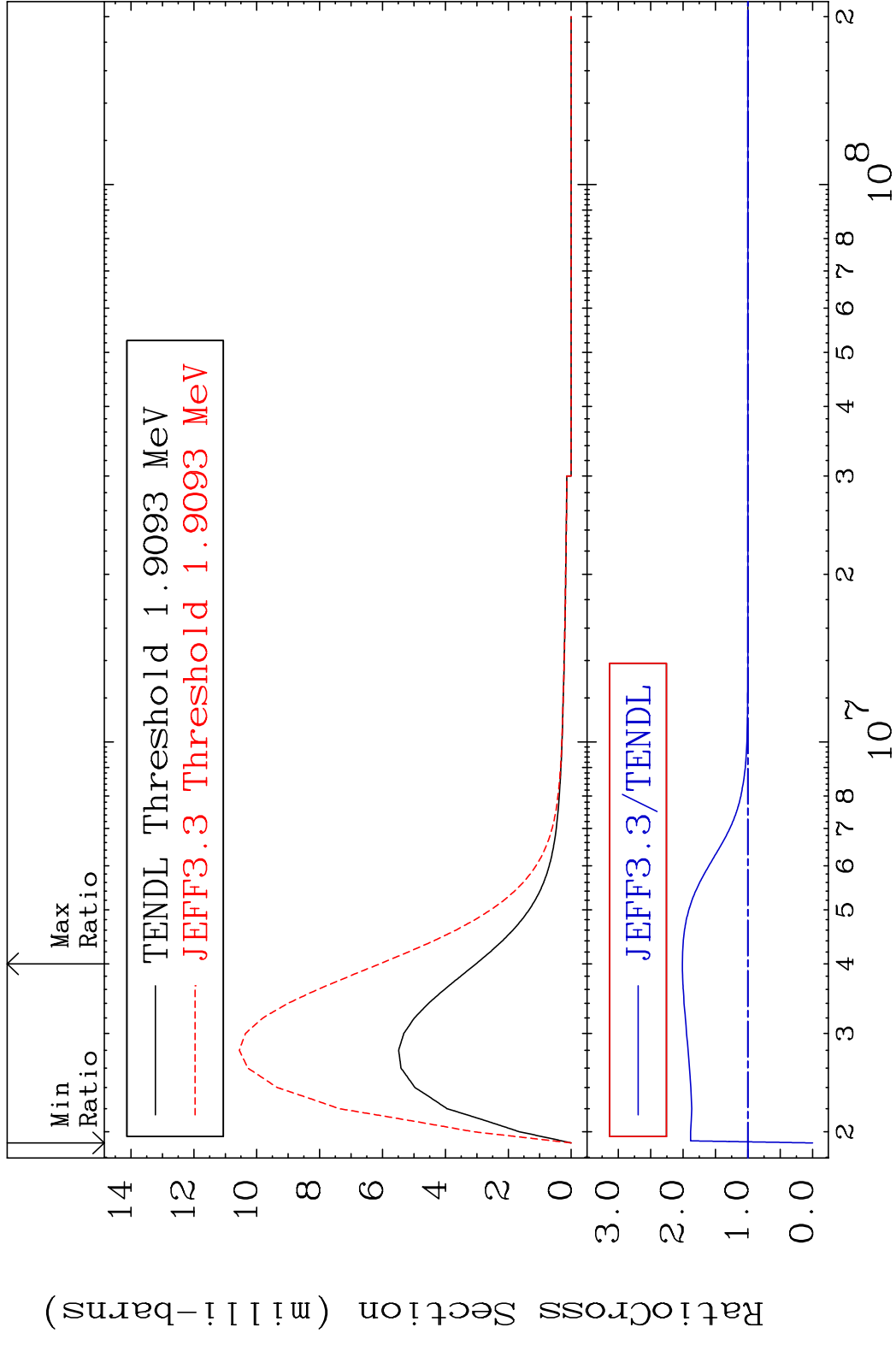
MAT 5052 MT= 76 (n, n') Level 50-Sn-121
 Cross Section 0.000 To 217.9 %



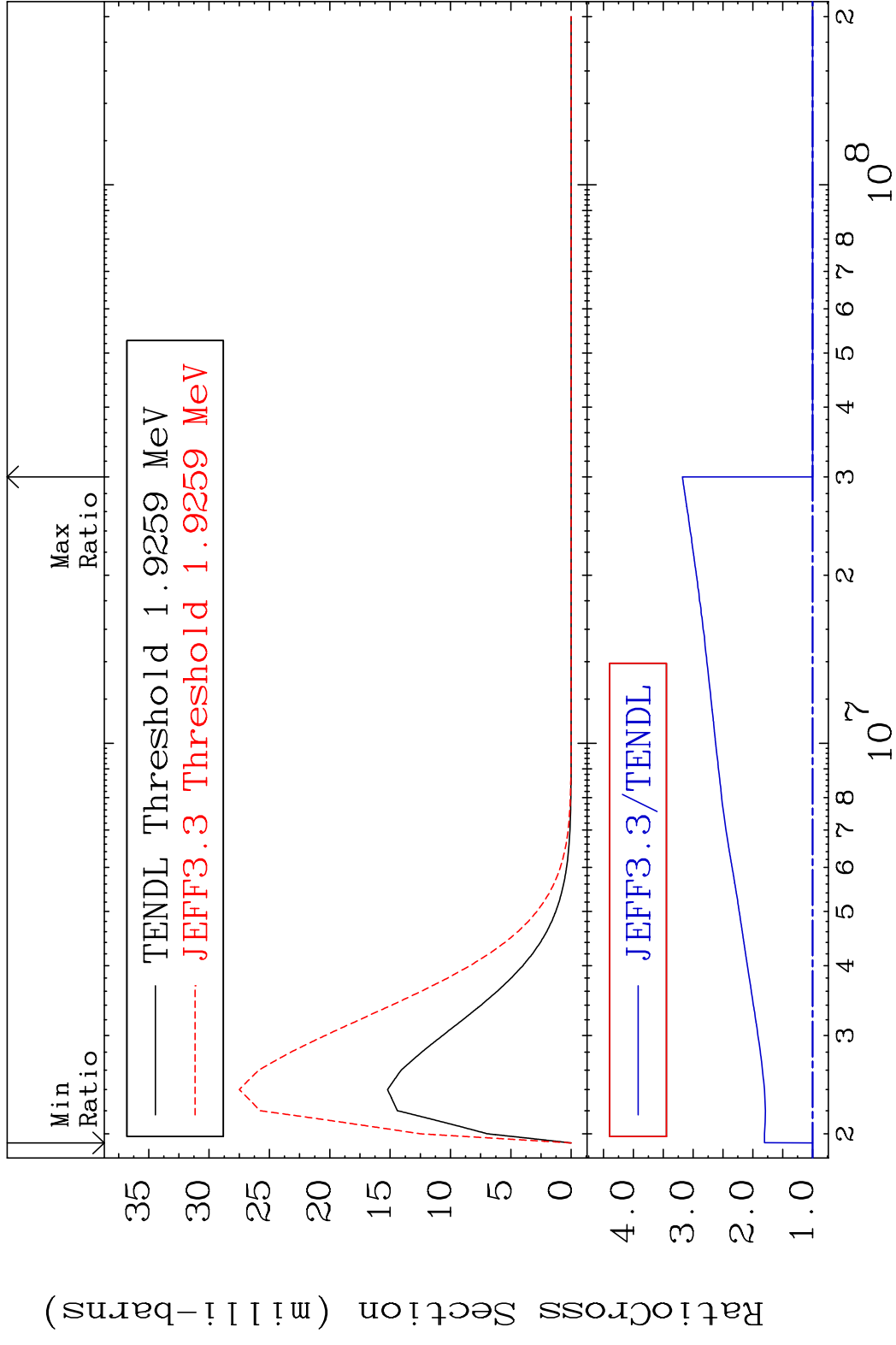
MAT 5052 MT= 77 (n, n') Level 50-Sn-121
 Cross Section 0.000 To 218.0 %



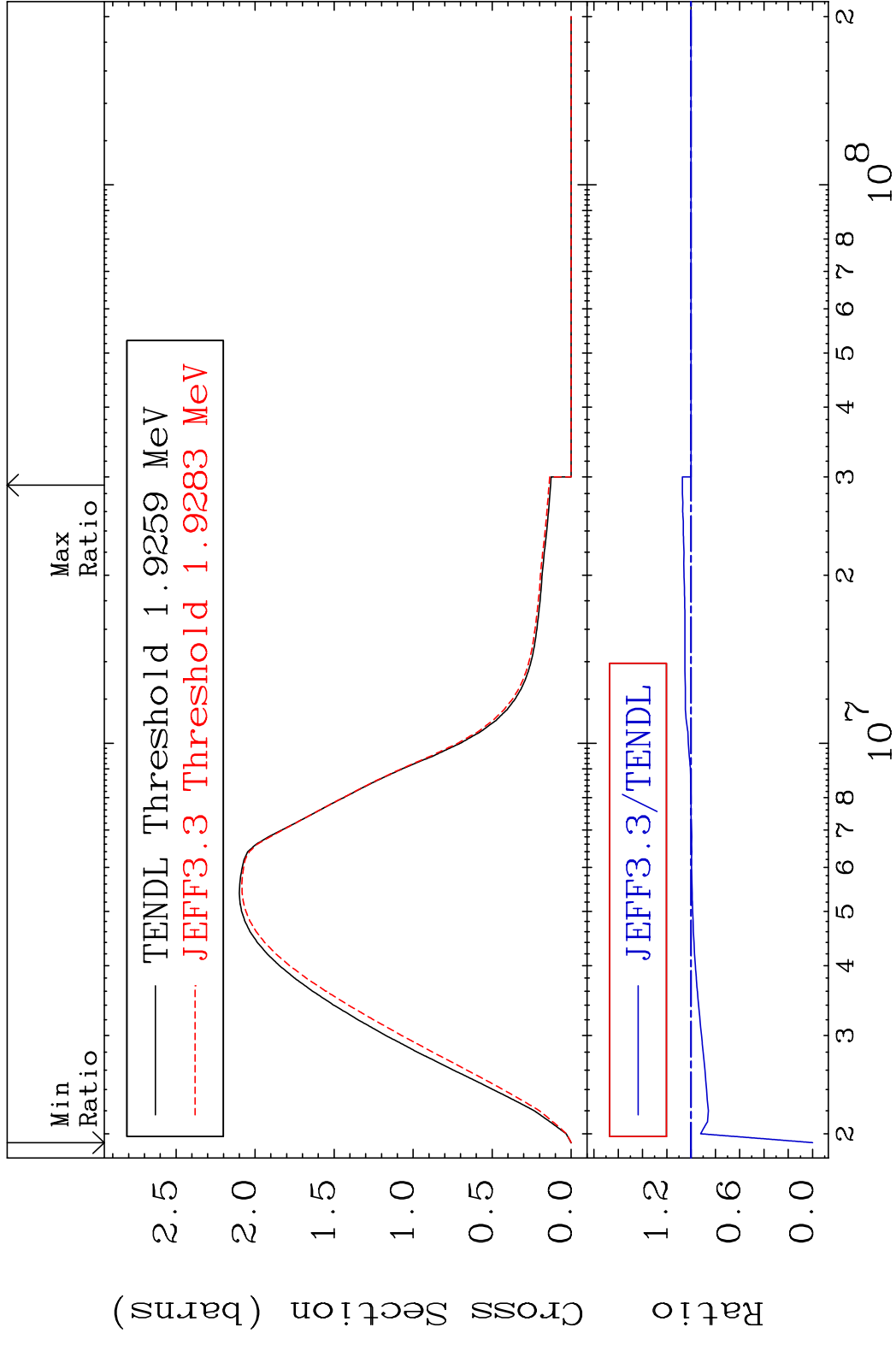
MAT 5052 MT= 78 (n,n') Level 50-Sn-121
 Cross Section -100.0 To 101.2 %



MAT 5052 MT= 79 (n, n') Level 50-Sn-121
 Cross Section 0.000 To 218.0 %



MAT 5052 (n,n') Continuum 50-Sn-121
 Cross Section -100.0 To 7.205 %

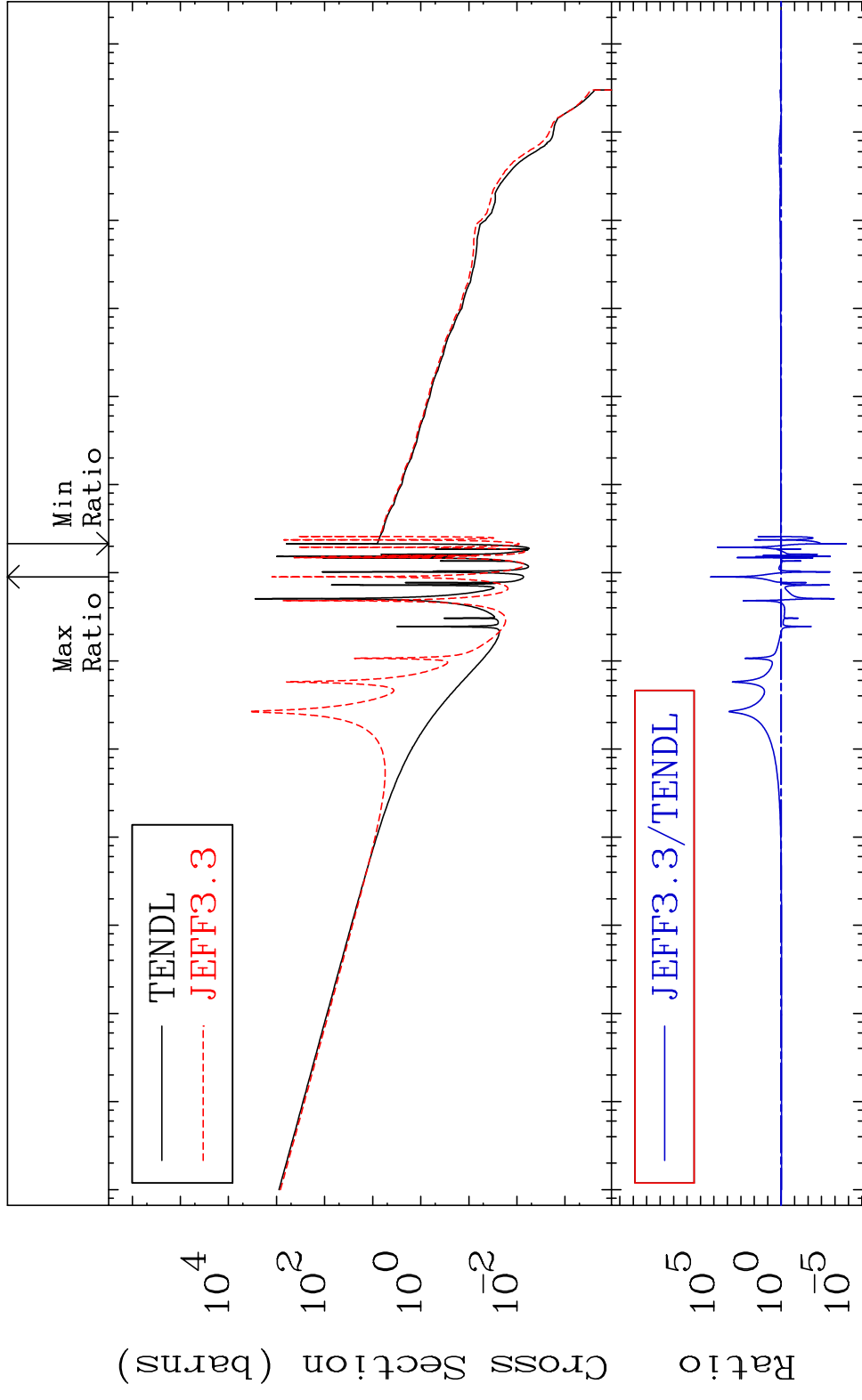


MAT 5052

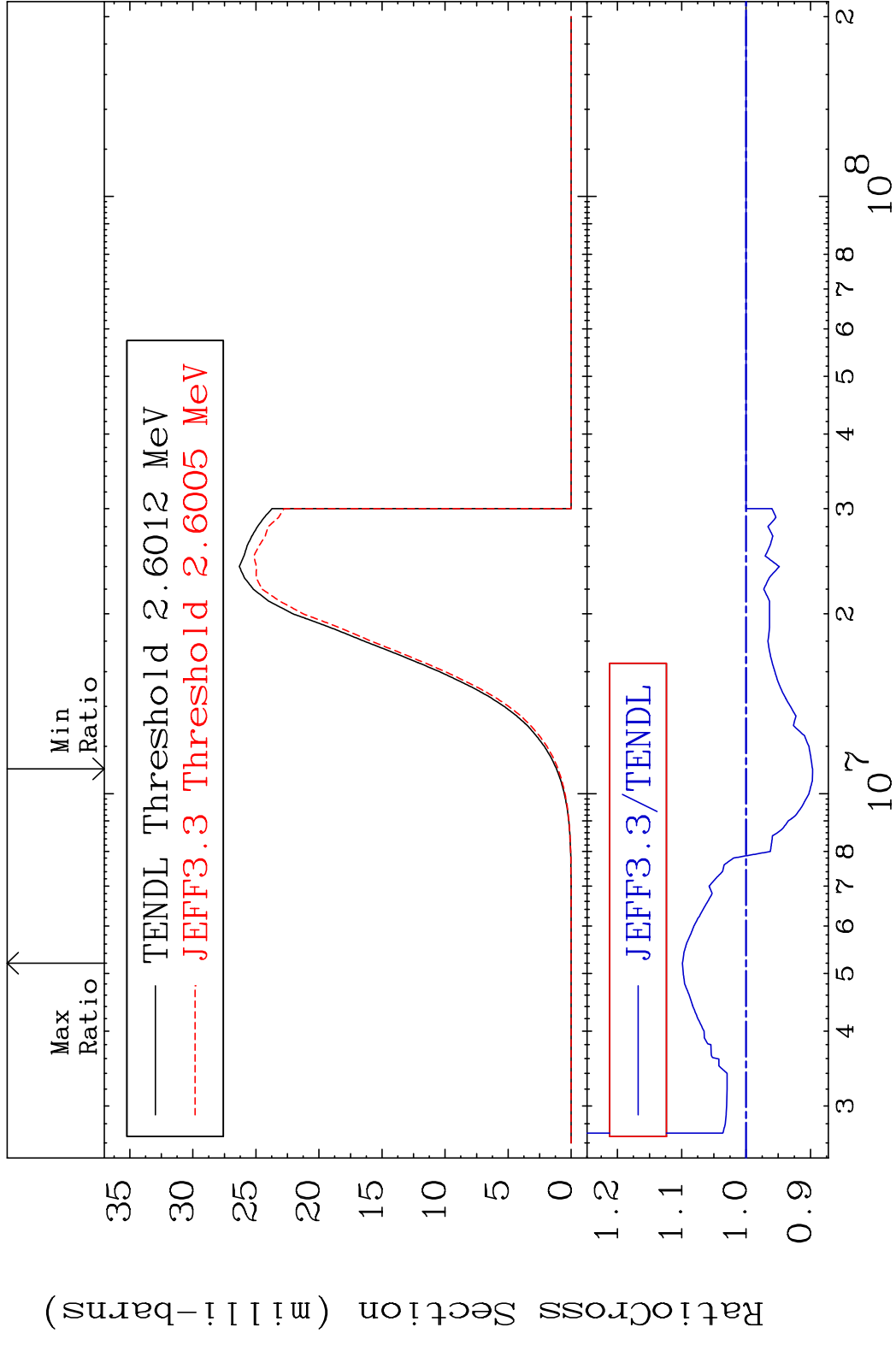
50-Sn-121

(n, γ)

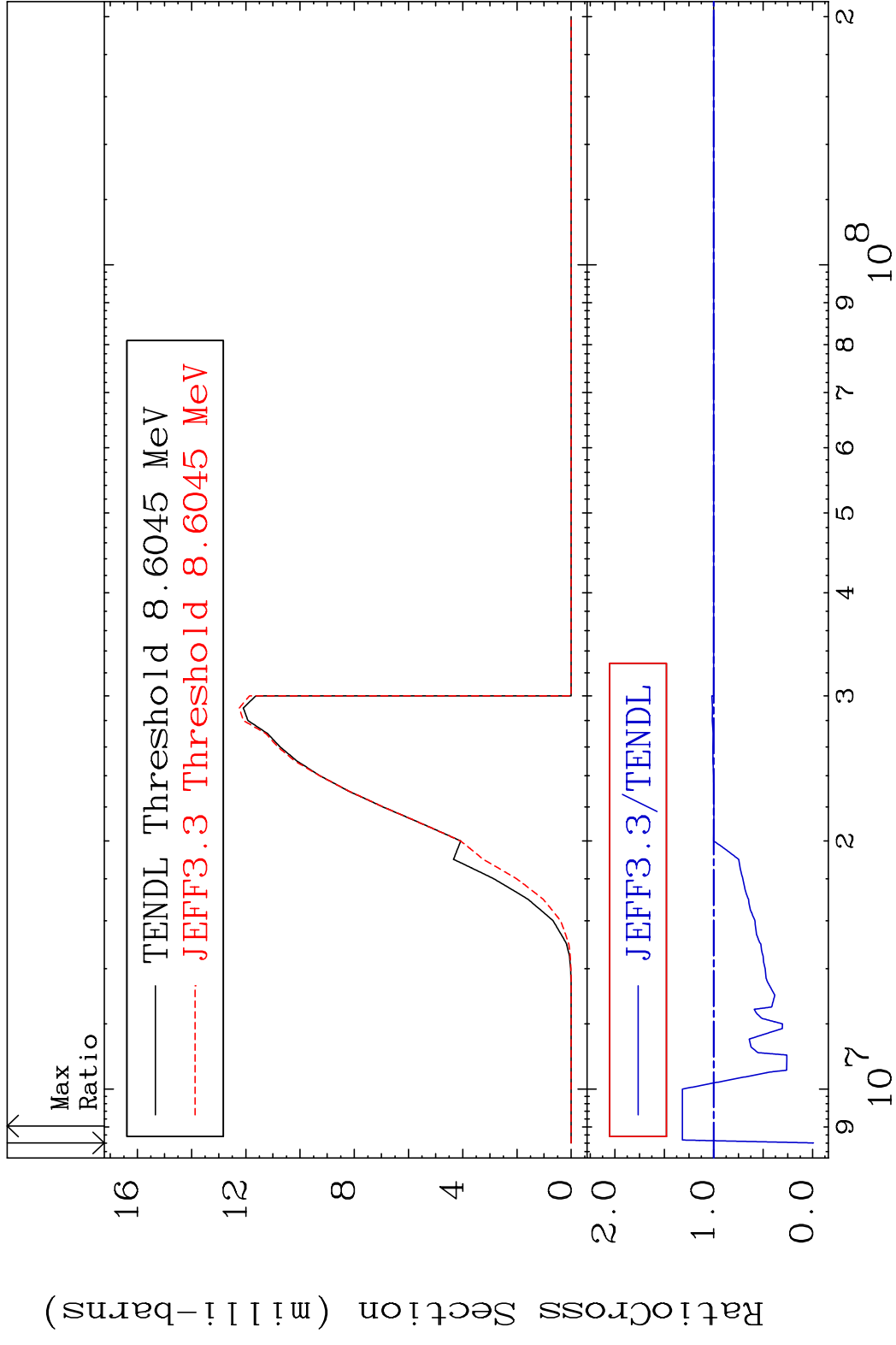
Cross Section -100.0 To 9999. %



MAT 5052 (n,p) 50-Sn-121
 Cross Section -10.33 To 9.896 %



MAT 5052 (n,d) 50-Sn-121
 Cross Section -100.0 To 31.73 %



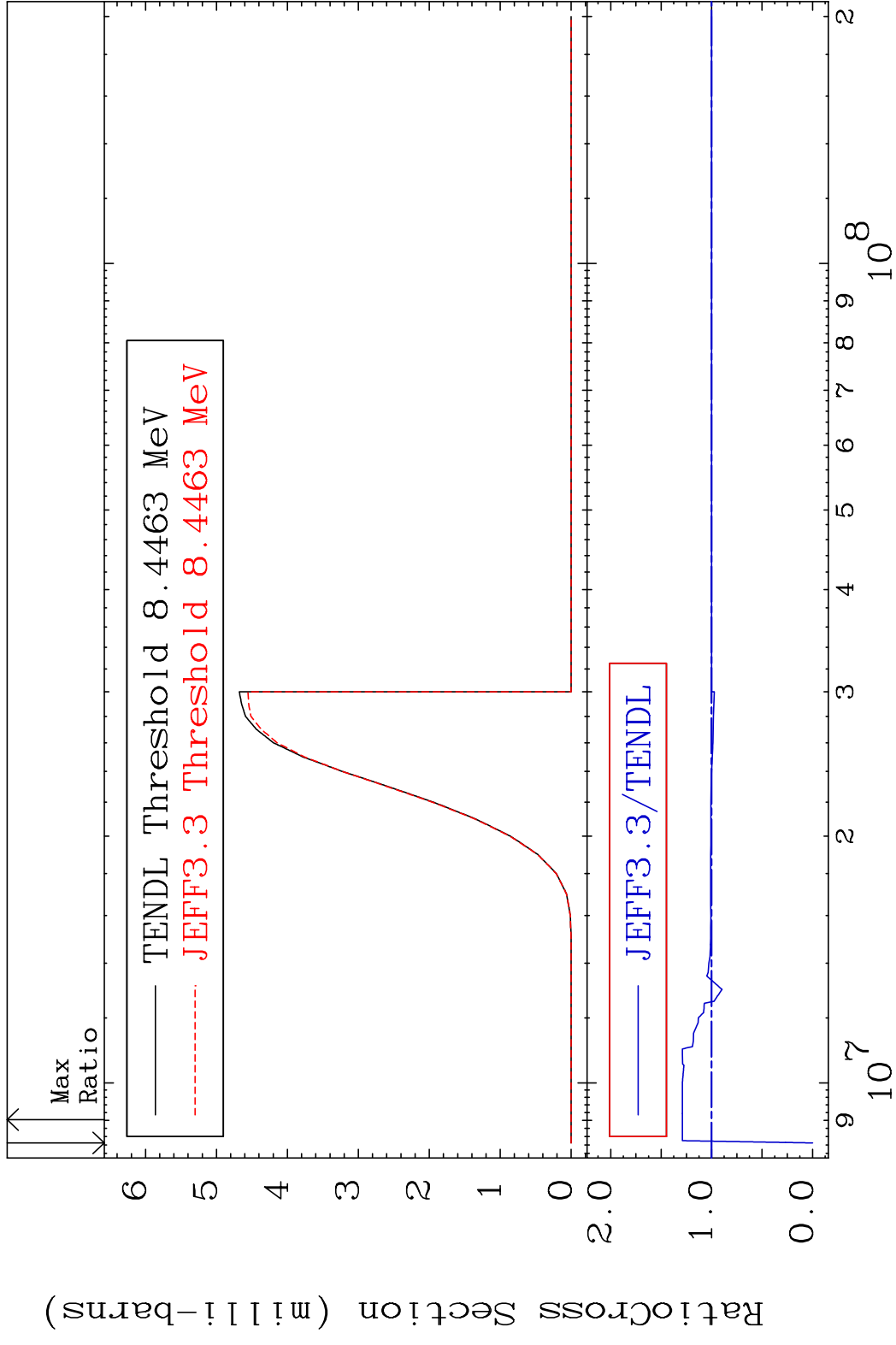
50 50-Sn-121

MAT 5052

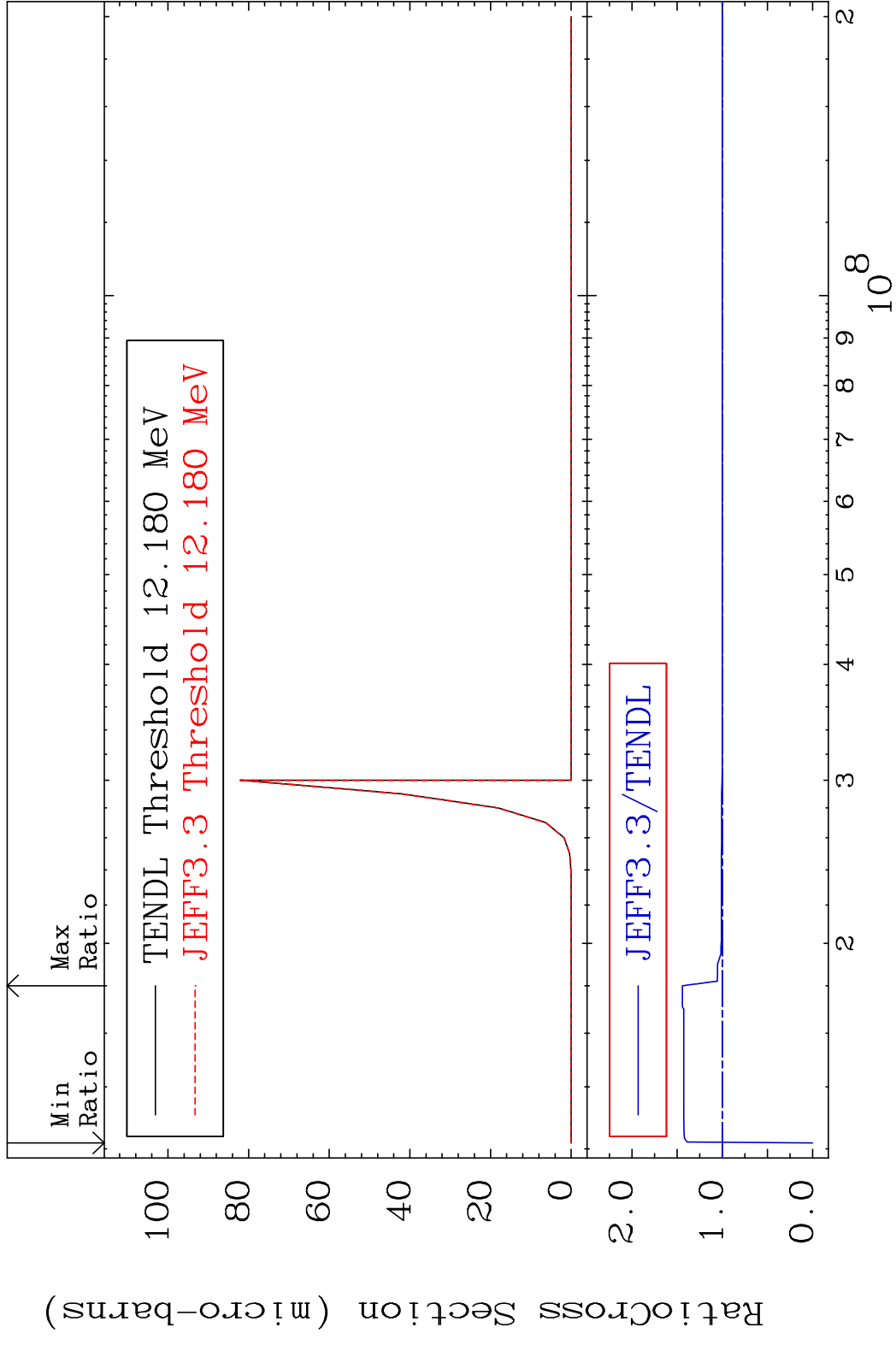
(n, t)

50-Sn-121

Cross Section -100.0 To 28.99 %



MAT 5052 (n, He-3) 50-Sn-121
 Cross Section -100.0 To 44.17 %



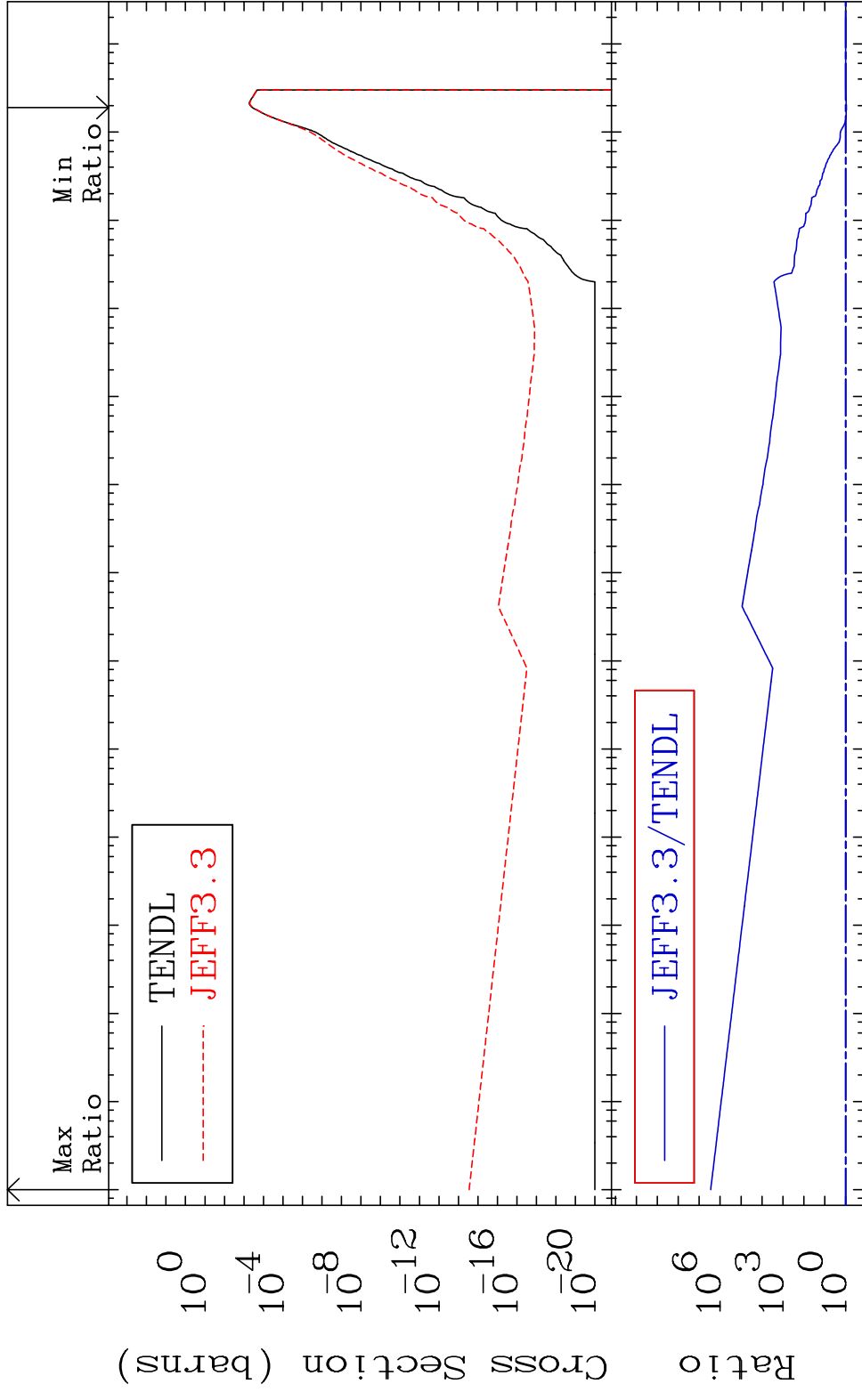
MAT 5052

(n, α)

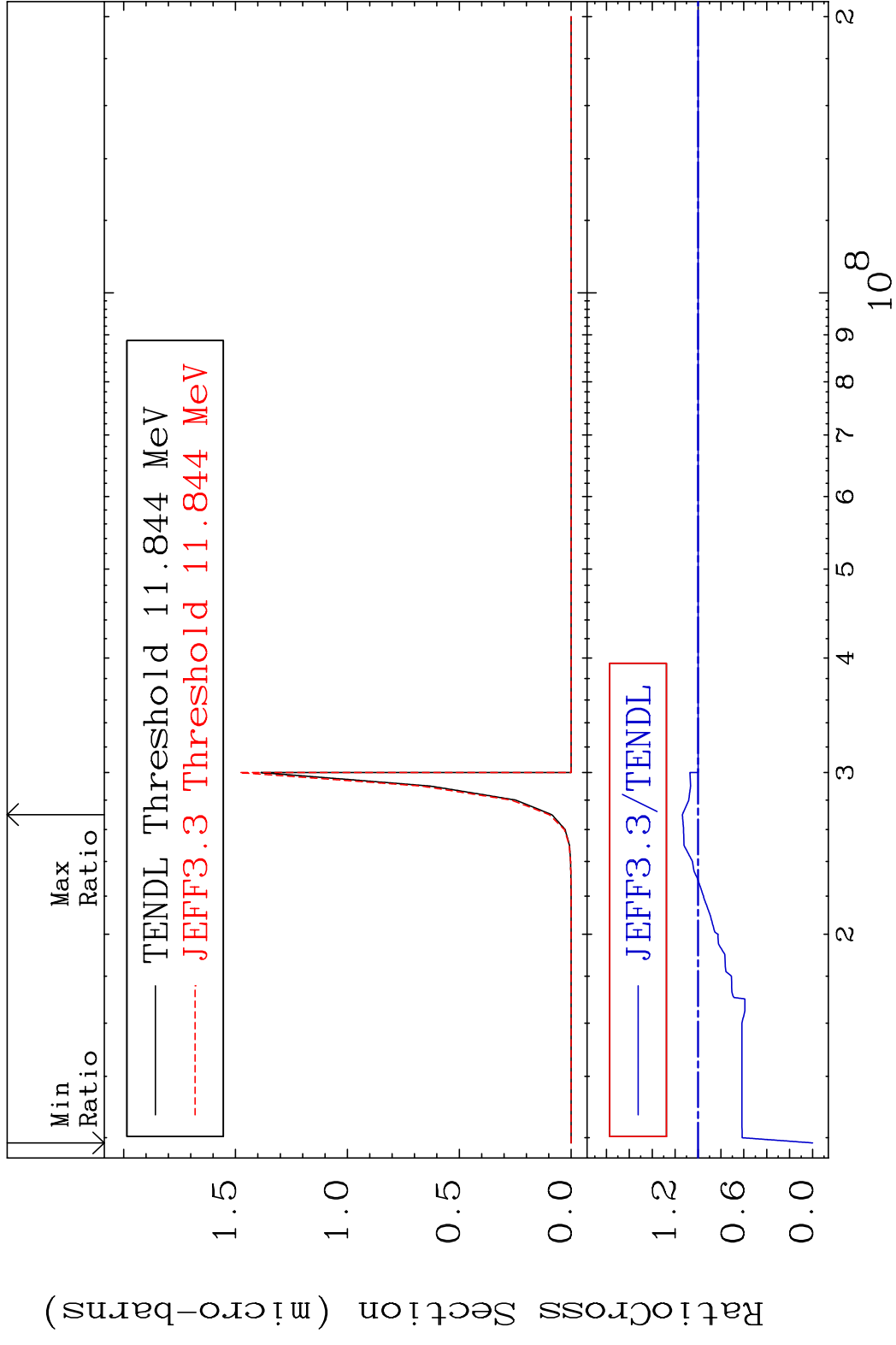
50-Sn-121

Cross Section

-6.009 To 9999. %



MAT 5052 (n,2p) 50-Sn-121
 Cross Section -100.0 To 13.67 %

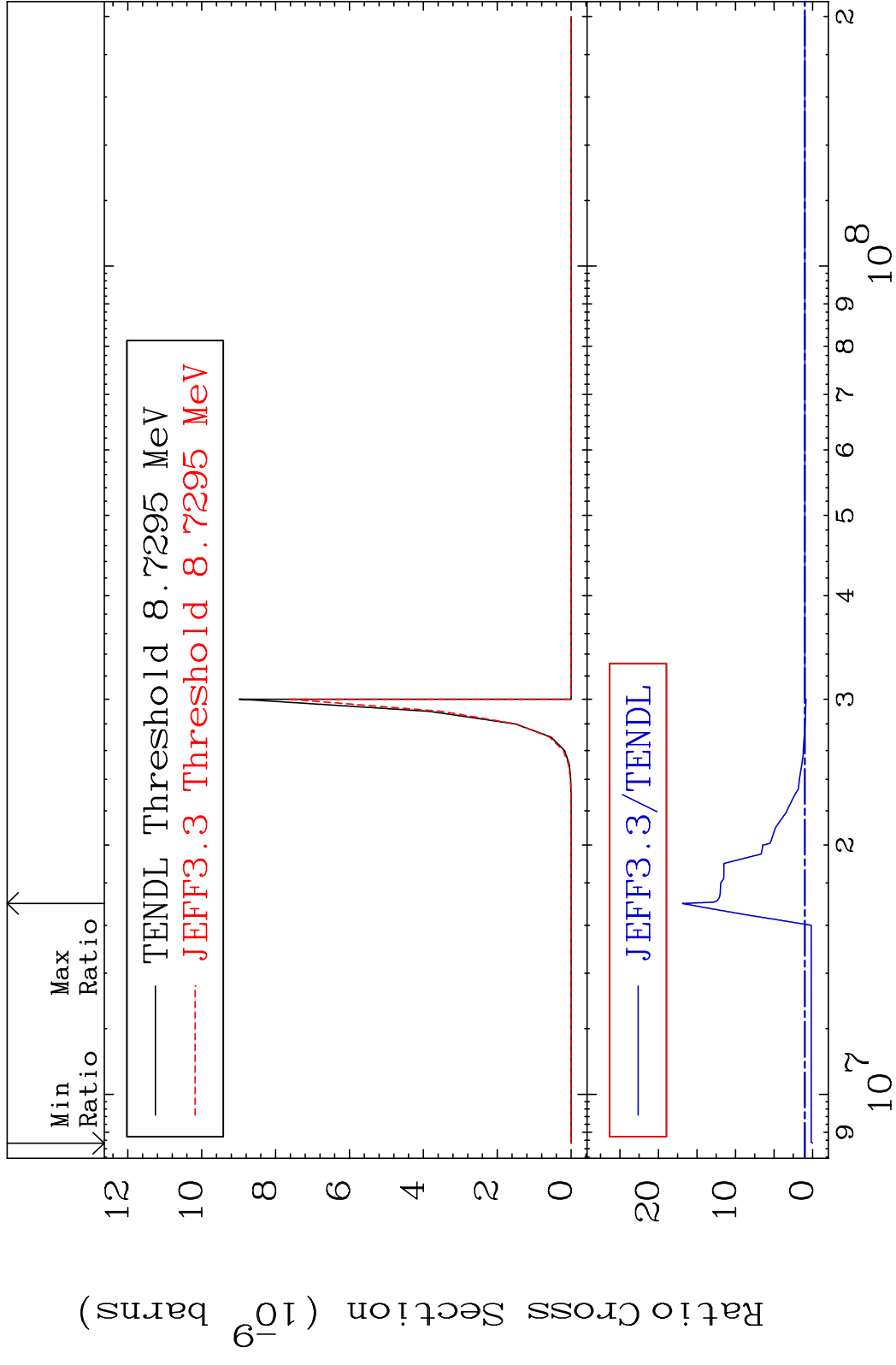


MAT 5052

(n,p) α

50-Sn-121

Cross Section -100.0 To 1589. %

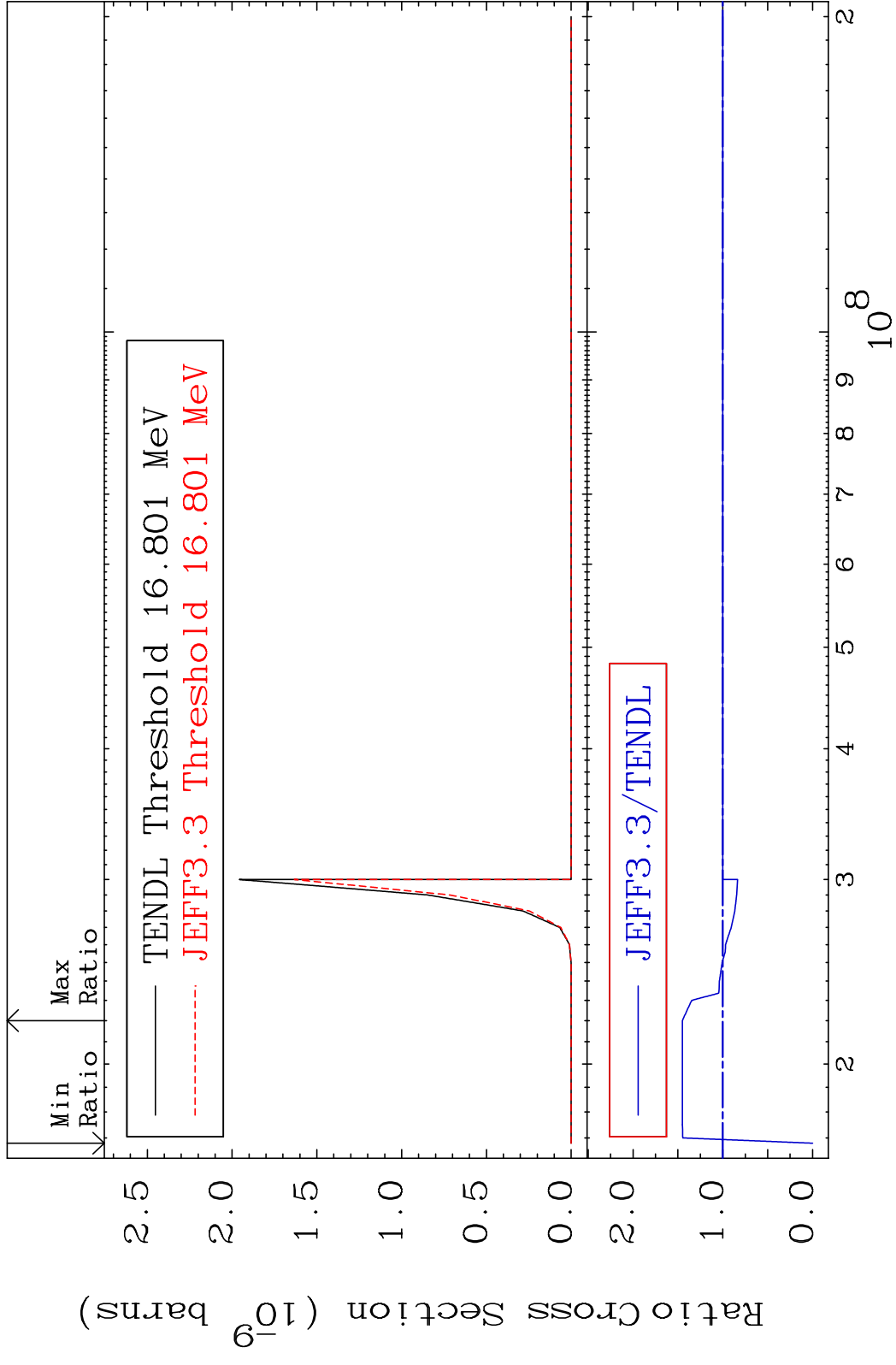


55

Incident Energy (eV)

50-Sn-121

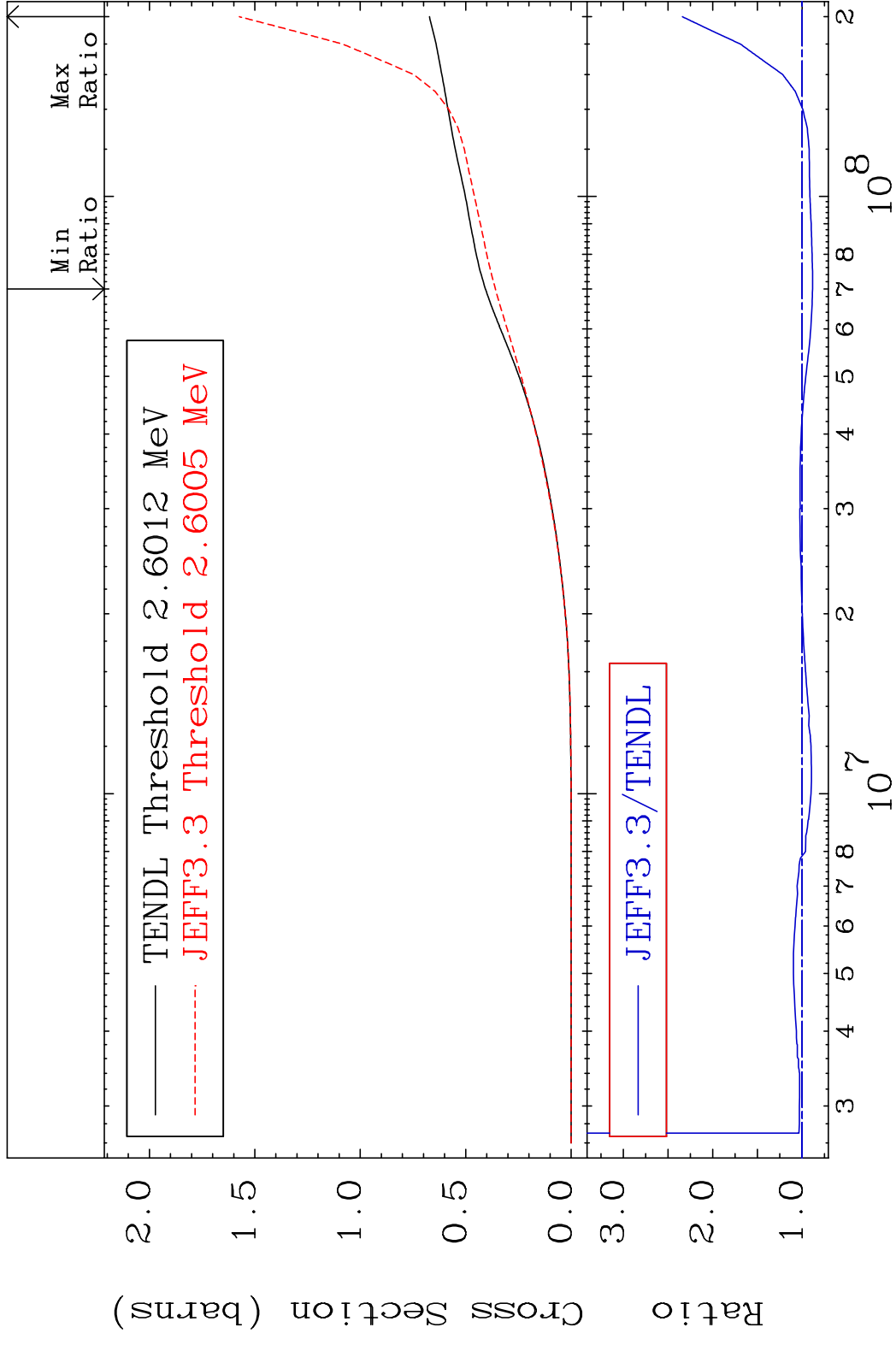
MAT 5052 (n,p) t 50-Sn-121
 Cross Section -100.0 To 45.06 %



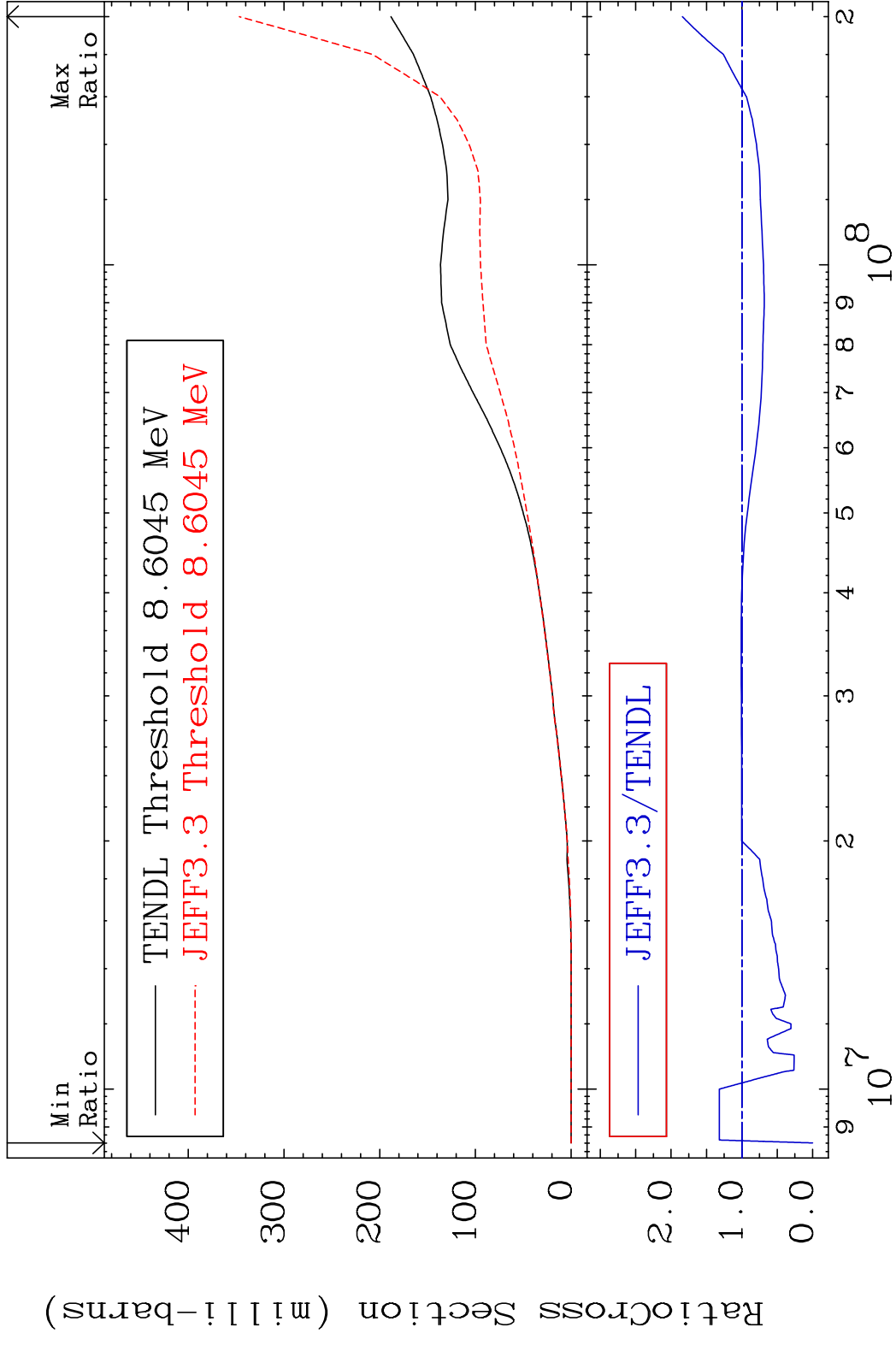
MAT 5052

Hydrogen Production
Cross Section

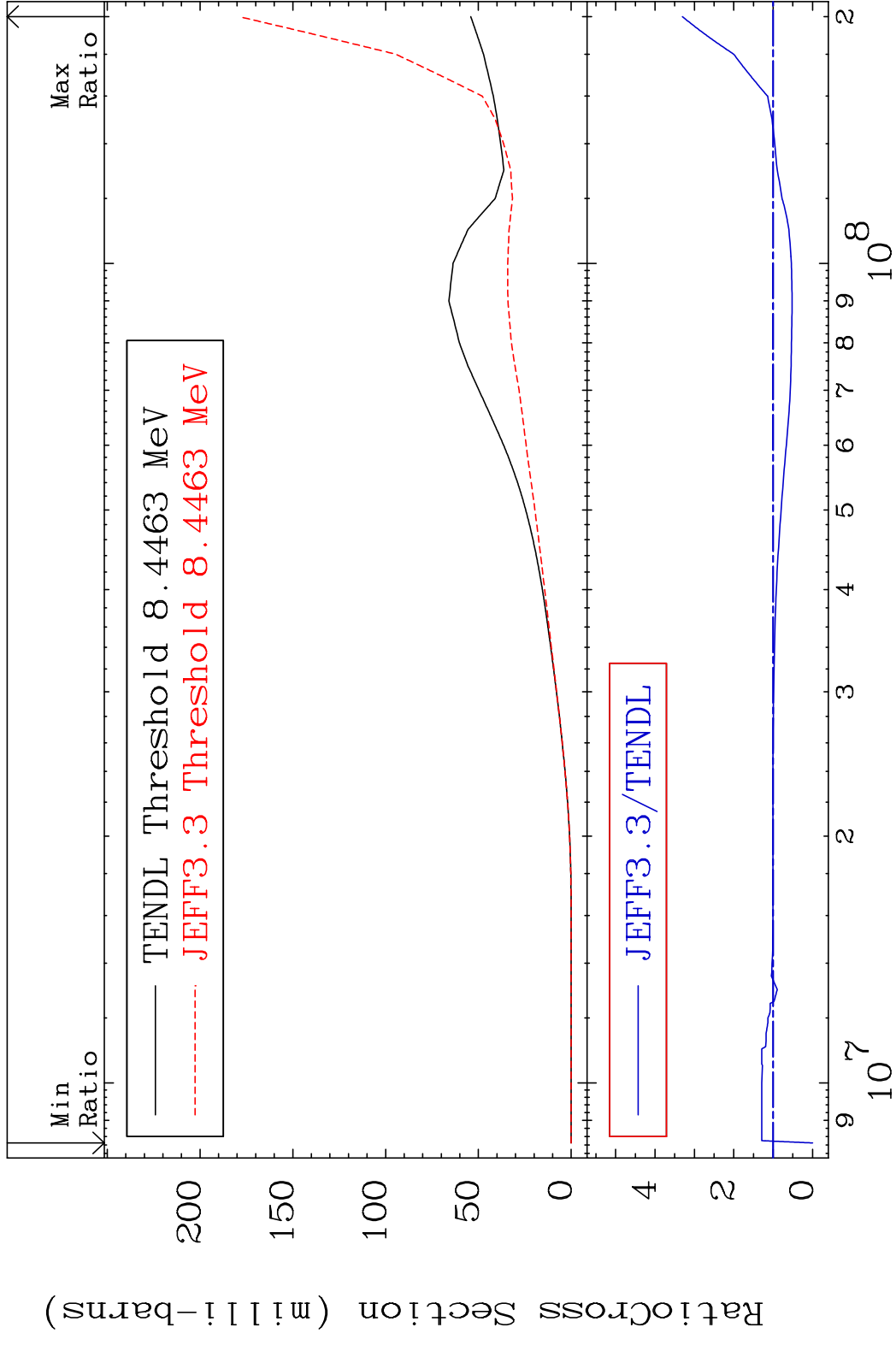
50-Sn-121
-11.59 To 134.1 %



MAT 5052 Deuterium Production 50-Sn-121
 Cross Section -100.0 To 84.08 %



MAT 5052 Tritium Production 50-Sn-121
 Cross Section -100.0 To 230.6 %



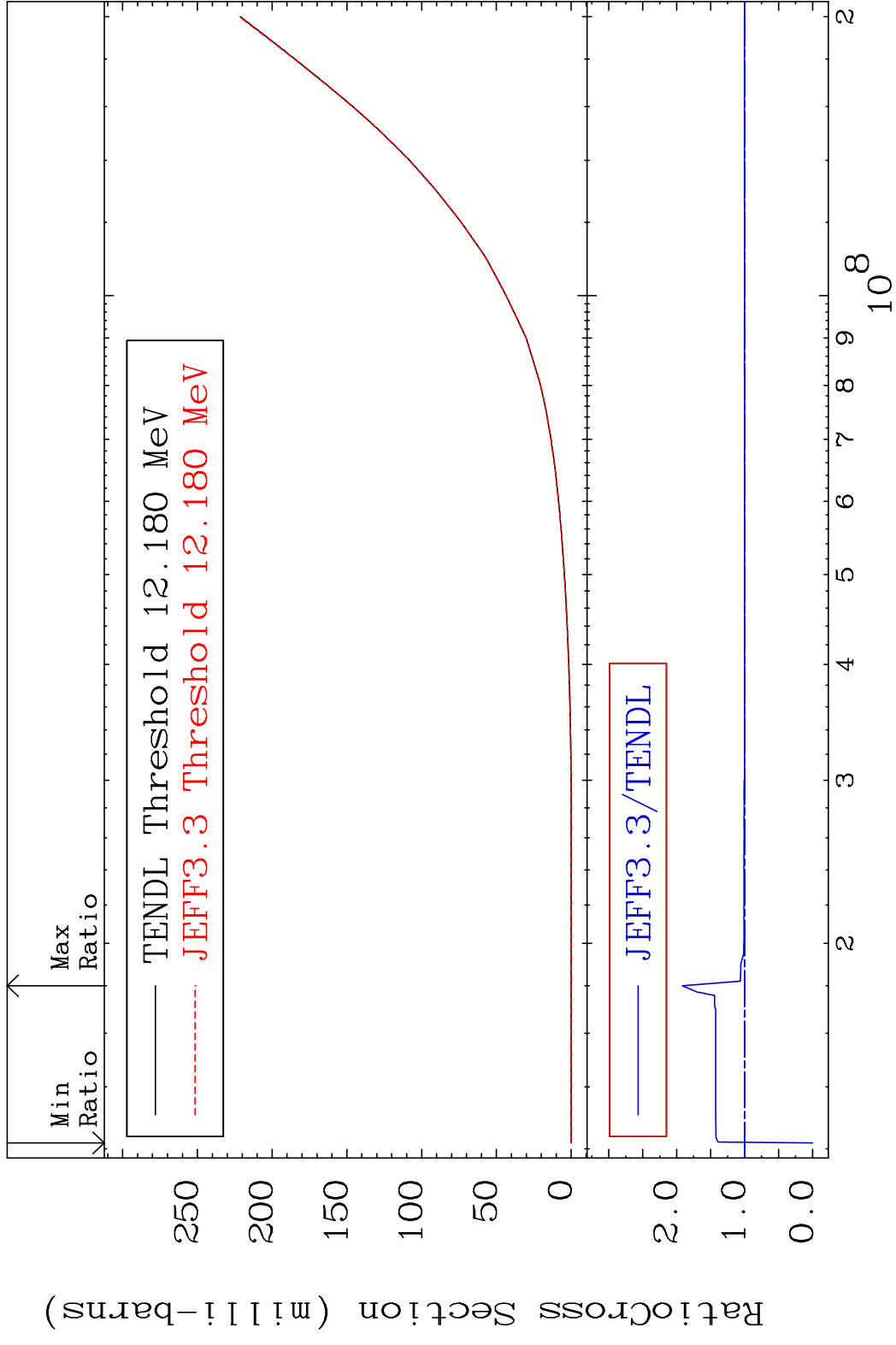
59 Incident Energy (eV) 50-Sn-121

MAT 5052

He-3 Production

50-Sn-121

Cross Section -100.0 To 91.66 %



60

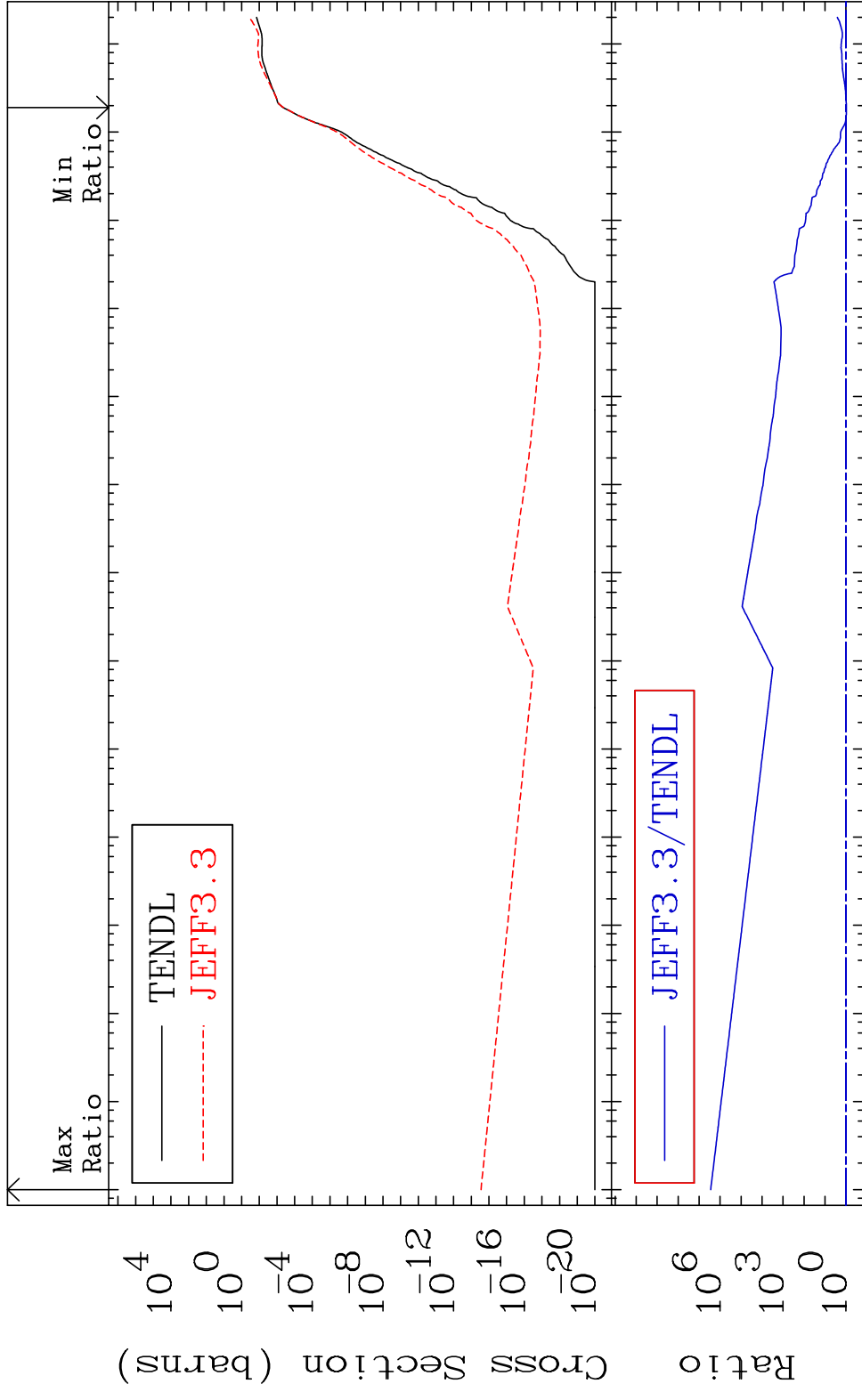
50-Sn-121

MAT 5052

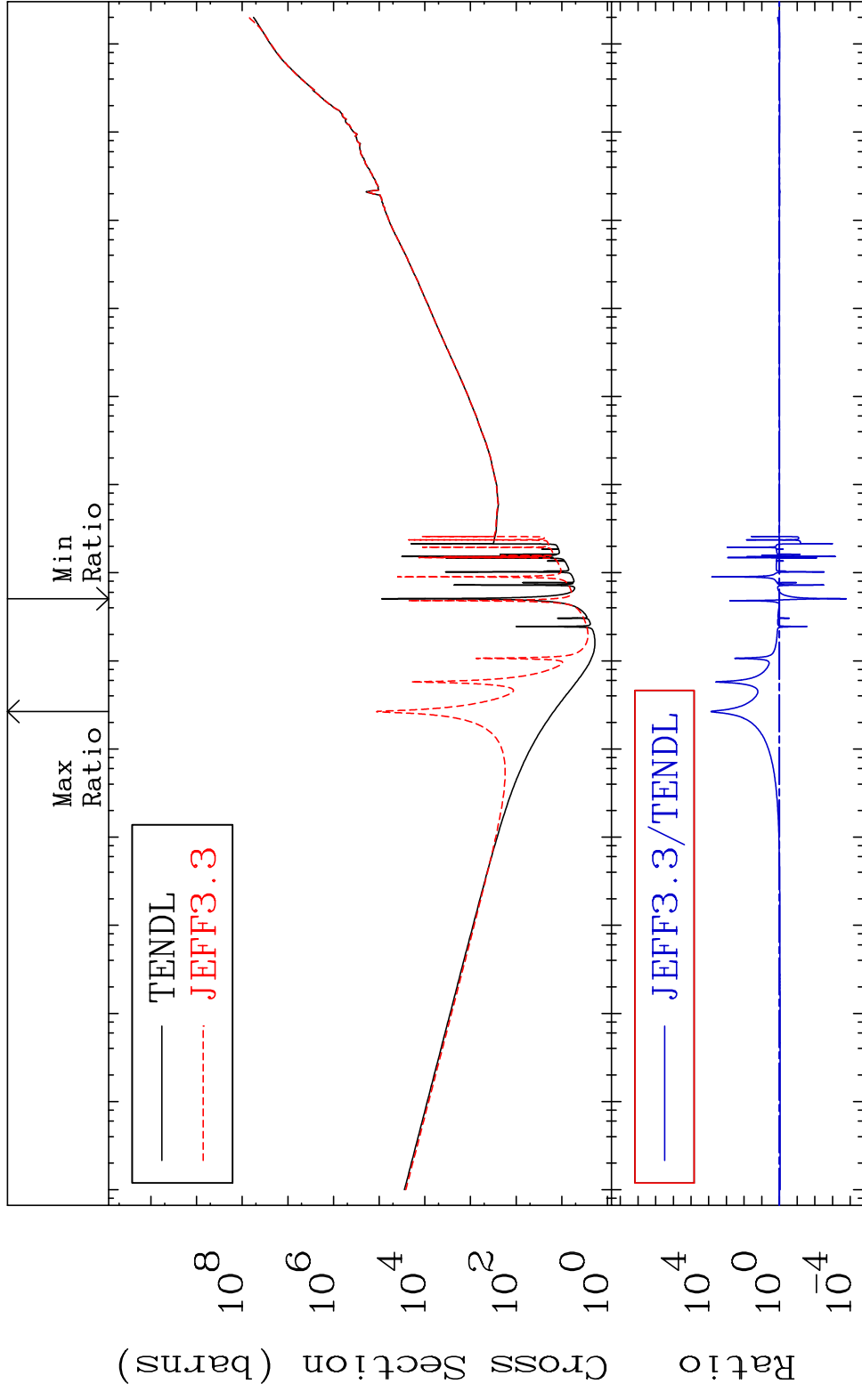
He-4 Production

50-Sn-121

Cross Section -3.589 To 9999. %

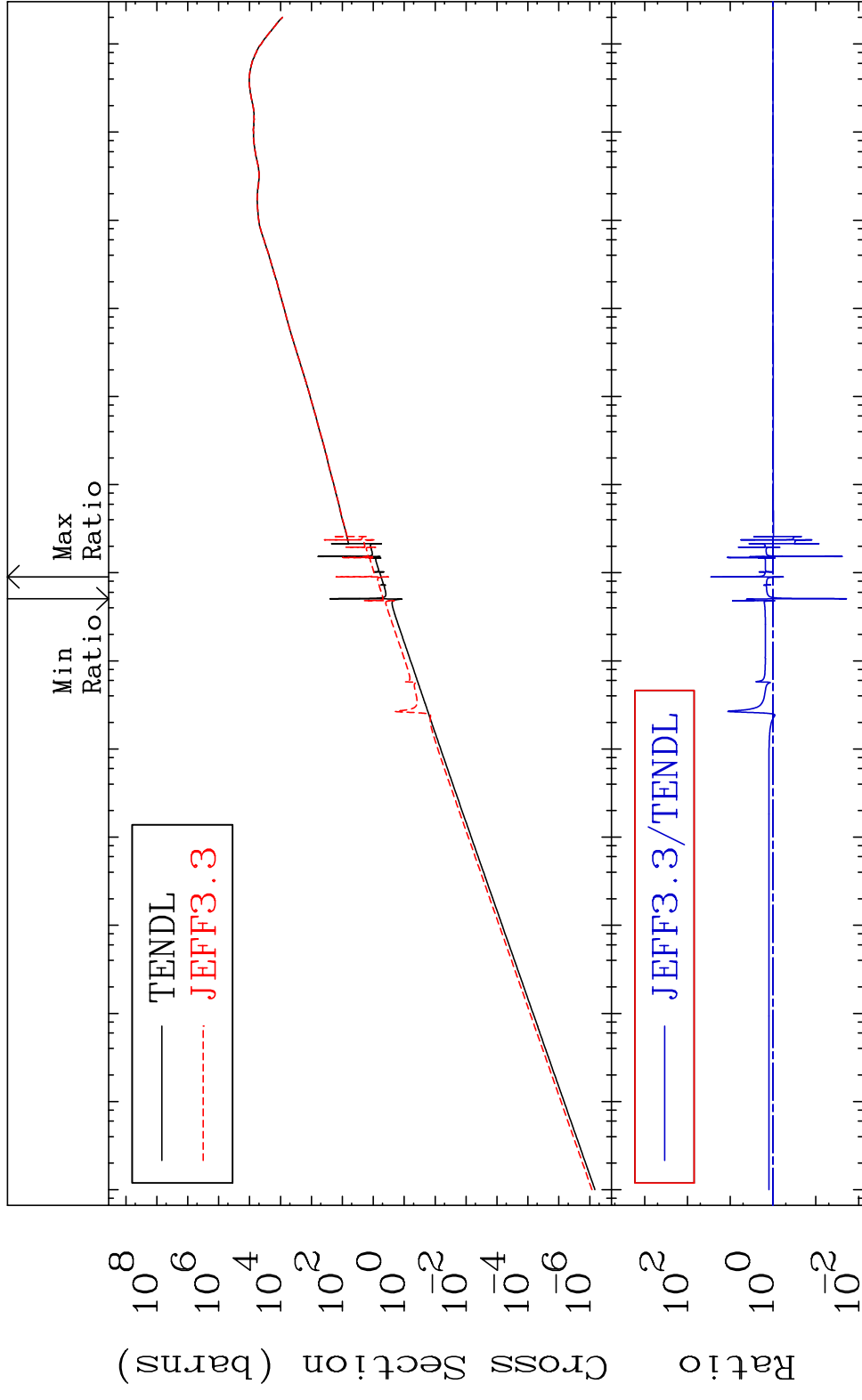


MAT 5052 Kerma total (eV-barns) 50-Sn-121
 Cross Section -99.98 To 9999. %



MAT 5052

Kerma elastic Cross Section -98.06 To 2756. %
50-Sn-121

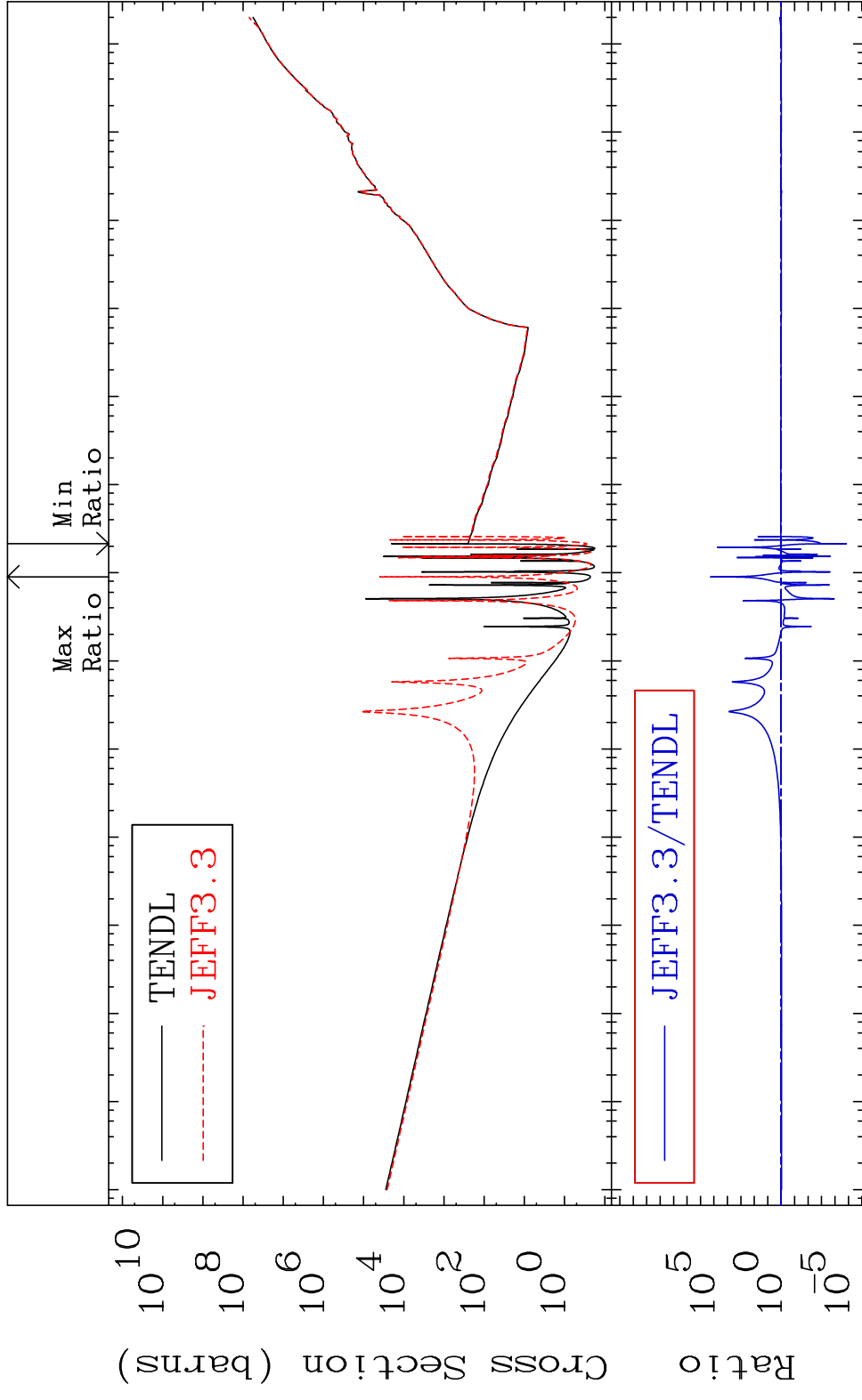


63

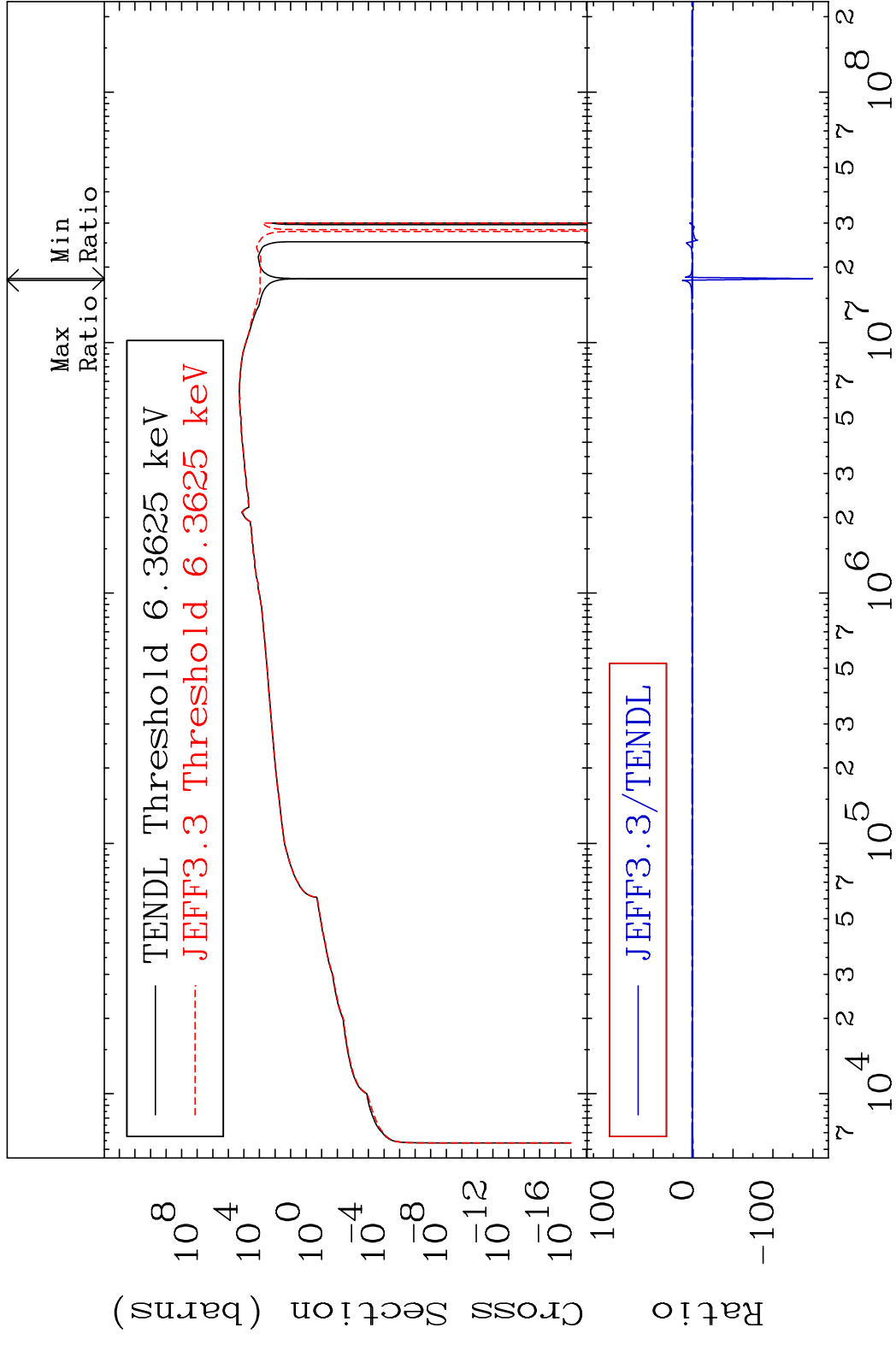
Incident Energy (eV)

50-Sn-121

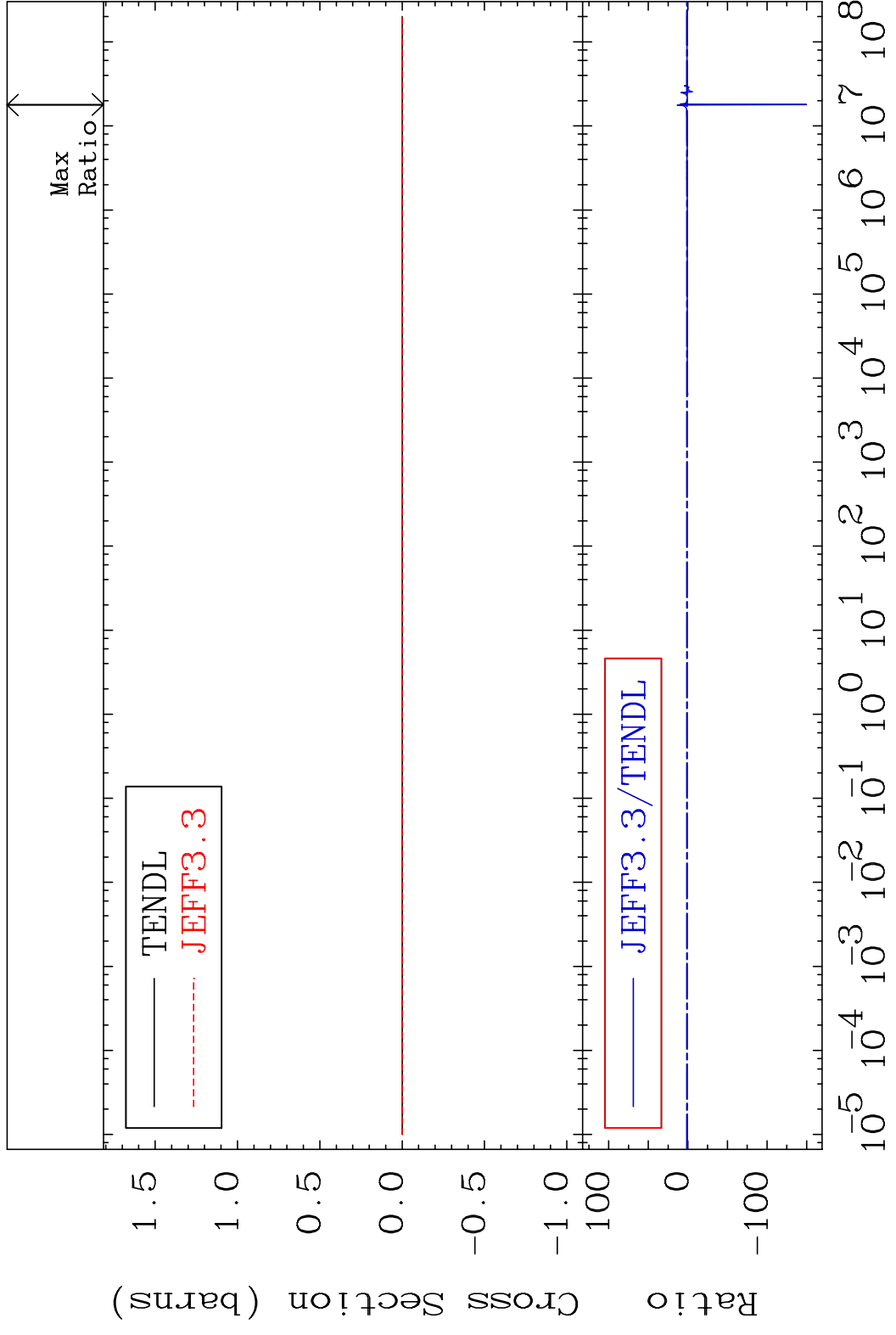
MAT 5052 Kerma non-elastic (all but mt2) 50-Sn-121
 Cross Section -100.0 To 9999. %



MAT 5052 Kerma inelastic (mt51-91) 50-Sn-121
 Cross Section -9999. To 1247. %



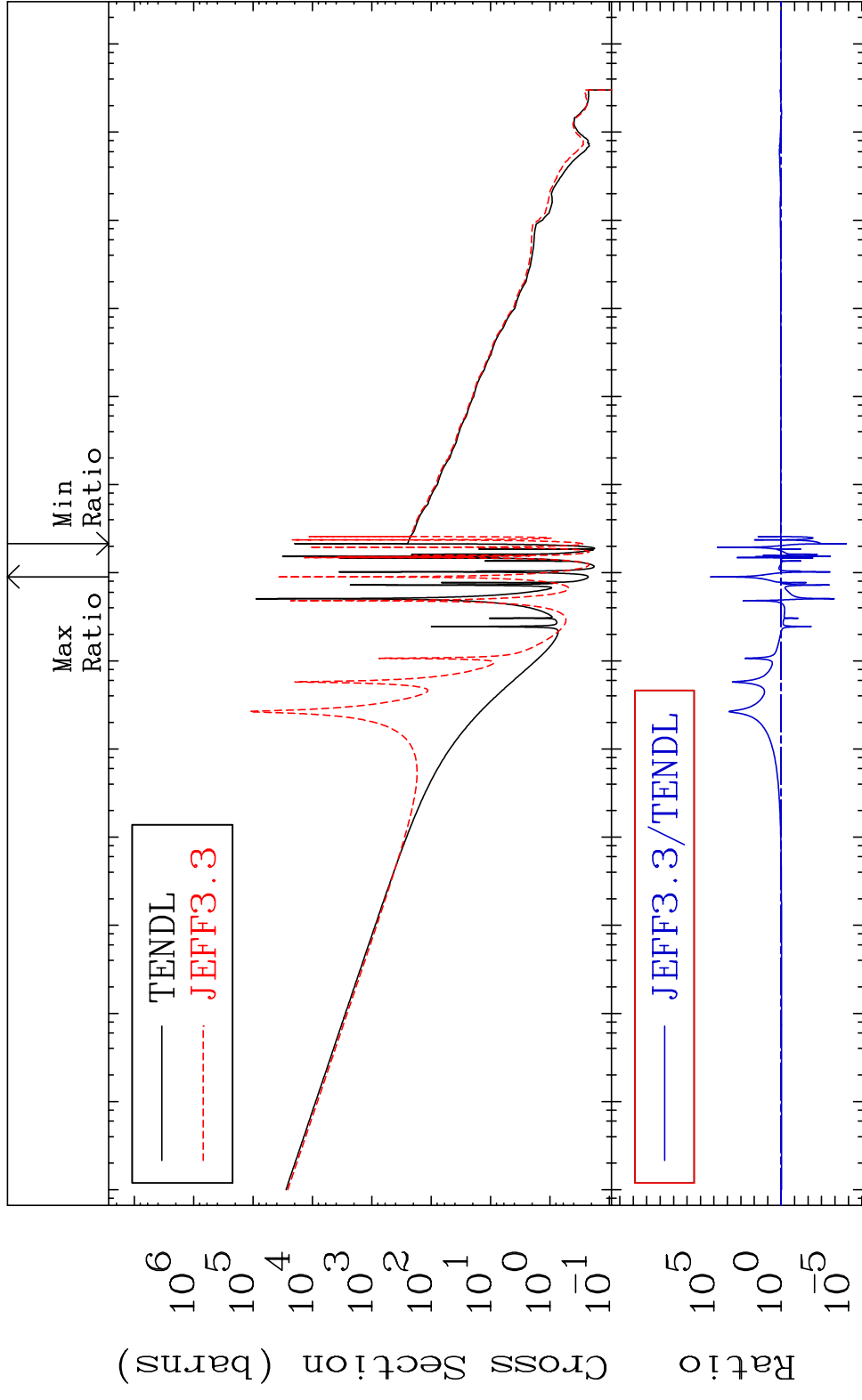
MAT 5052 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-121
 Cross Section -9999. To 1247. %



MAT 5052

Kerma capture (mt102) 50-Sn-121

Cross Section -100.0 To 9999. %

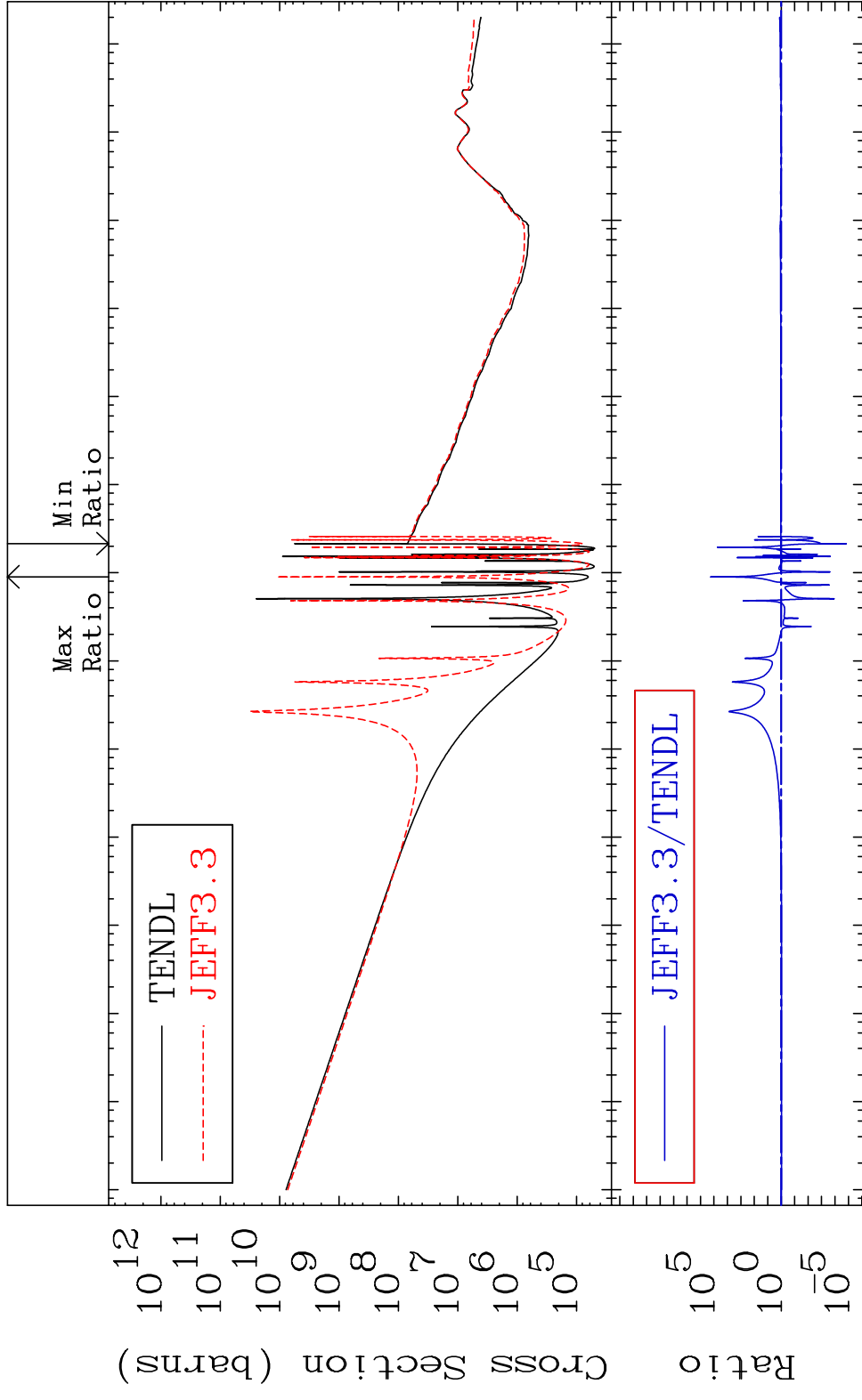


67

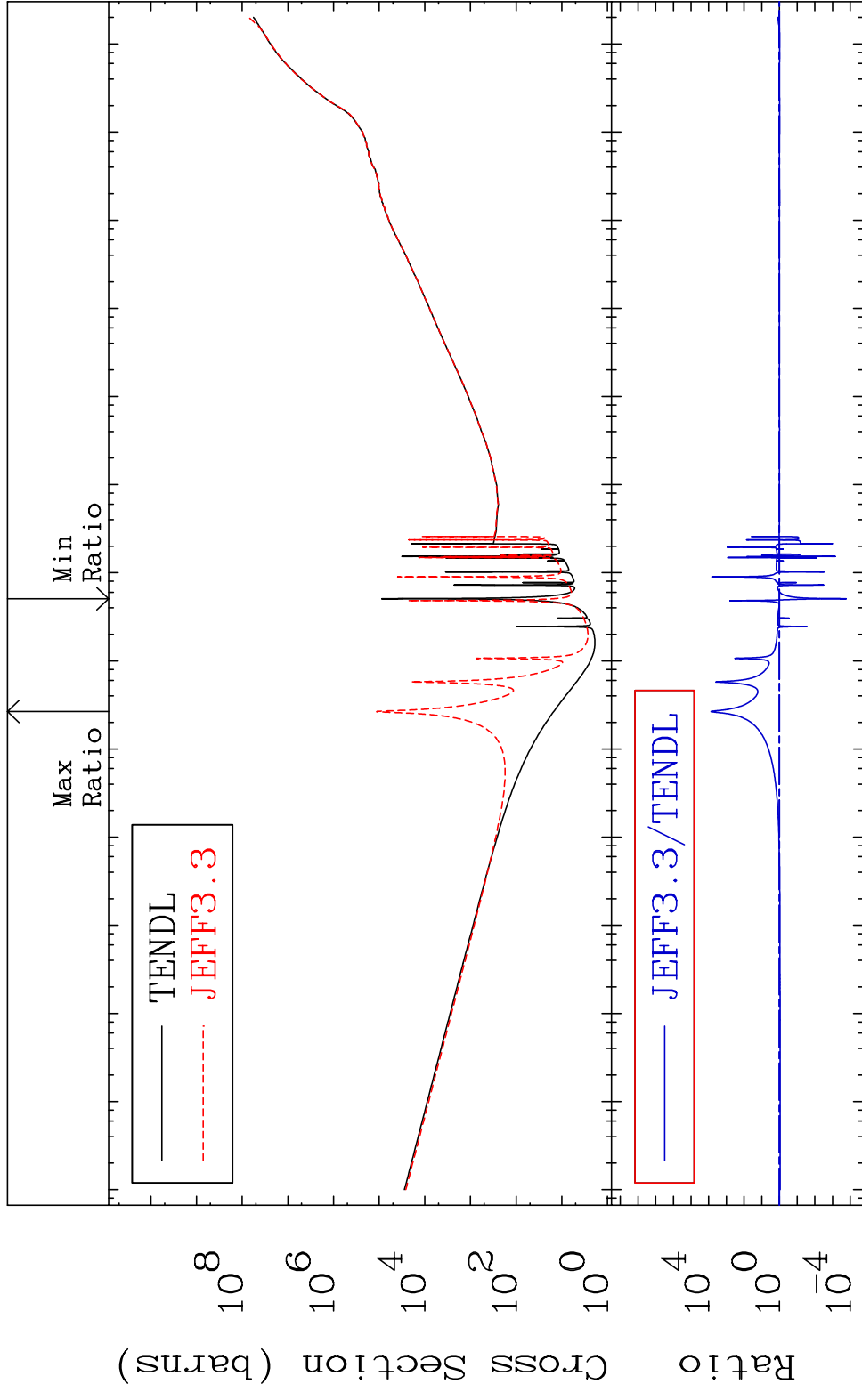
Incident Energy (eV)

50-Sn-121

MAT 5052 Total photon (eV-barns) 50-Sn-121
 Cross Section -100.0 To 9999. %

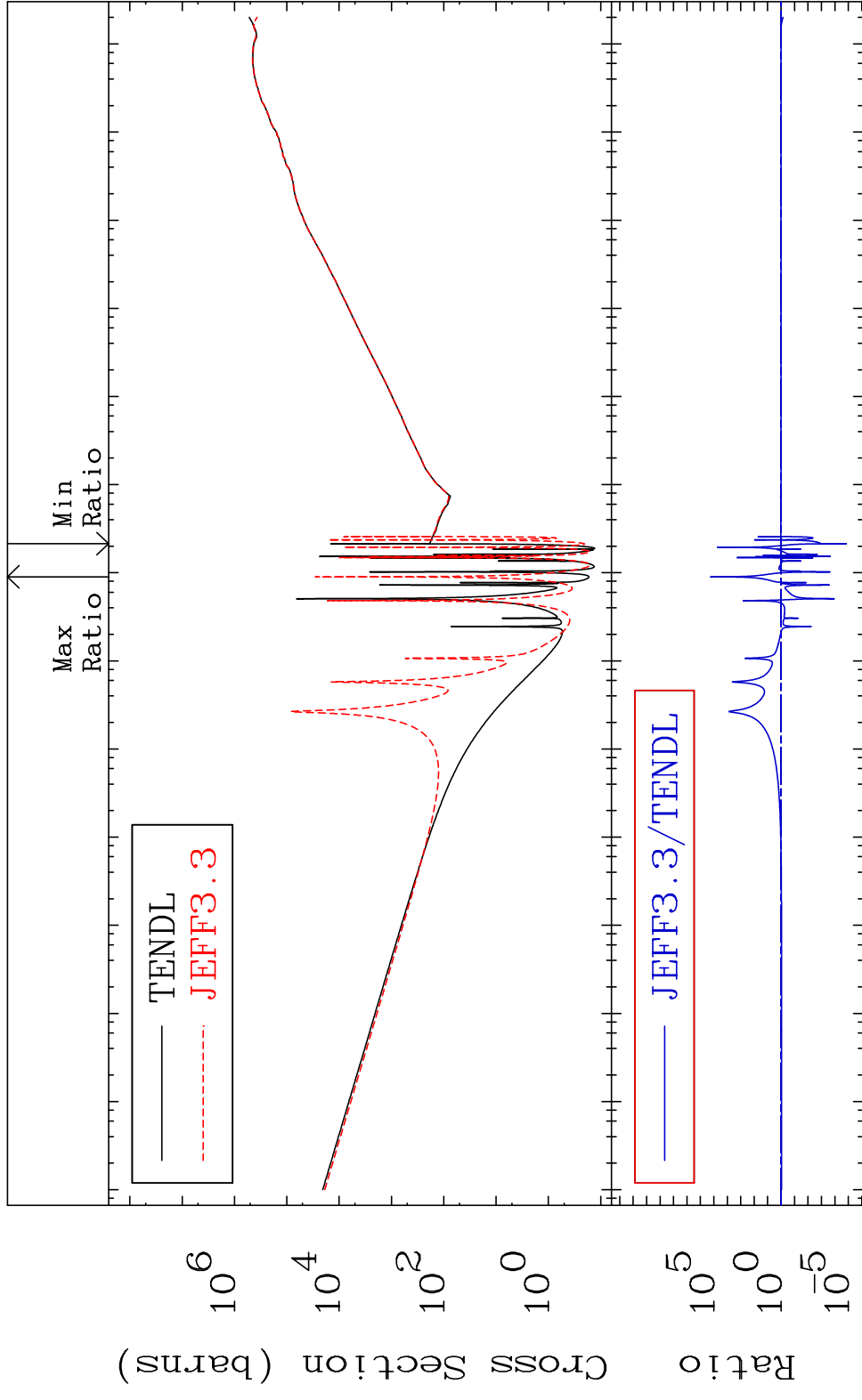


MAT 5052 Total kinematic kerma (high limit) 50-Sn-121
 Cross Section -99.98 To 9999. %



69 Incident Energy (eV) 50-Sn-121

MAT 5052 Dpa total (eV-barns) 50-Sn-121
 Cross Section -100.0 To 9999. %



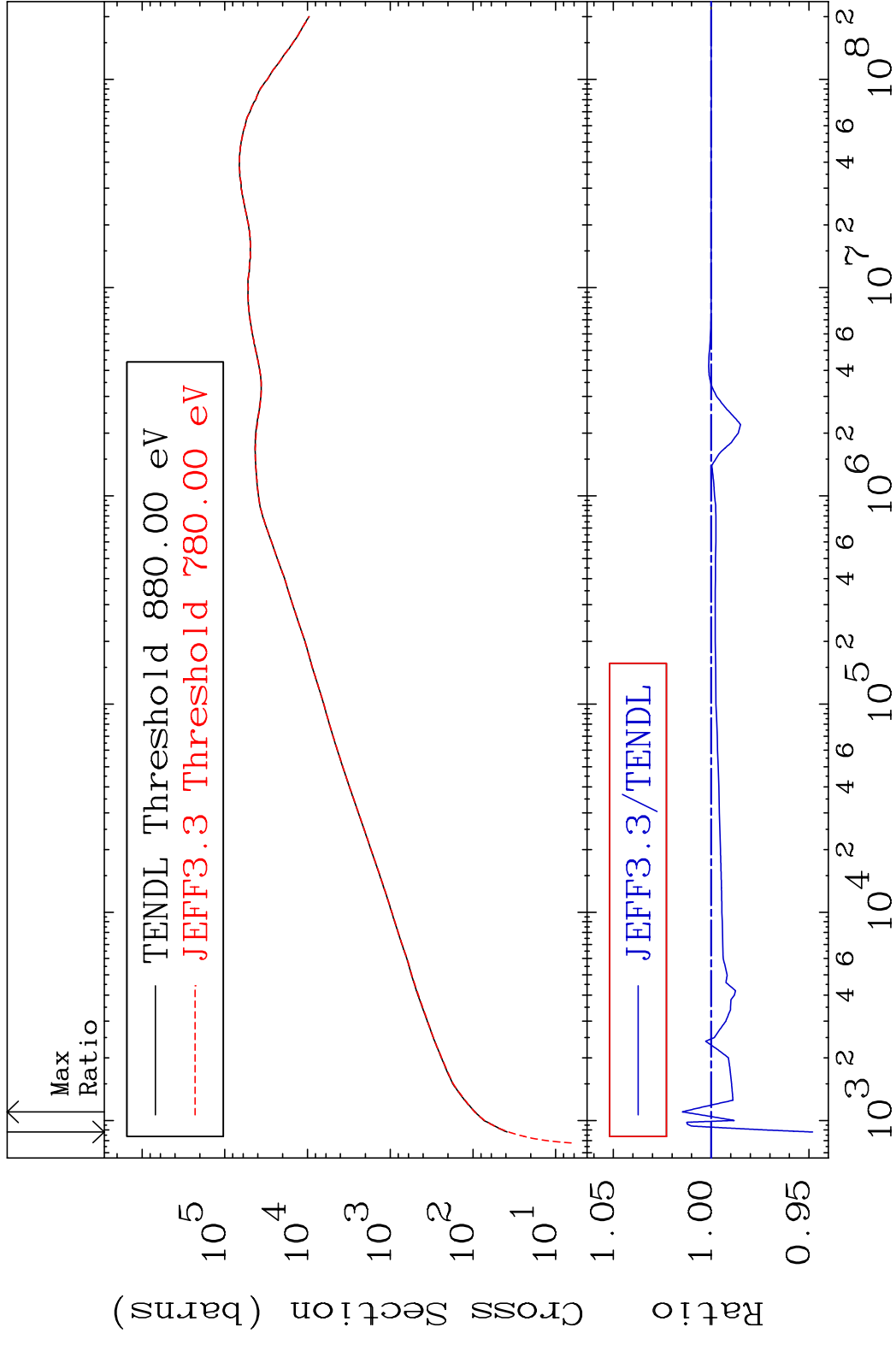
70 Incident Energy (eV) 50-Sn-121

MAT 5052

Dpa elastic (mt2)

50-Sn-121

Cross Section -5.181 To 1.474 %



71

Incident Energy (eV)

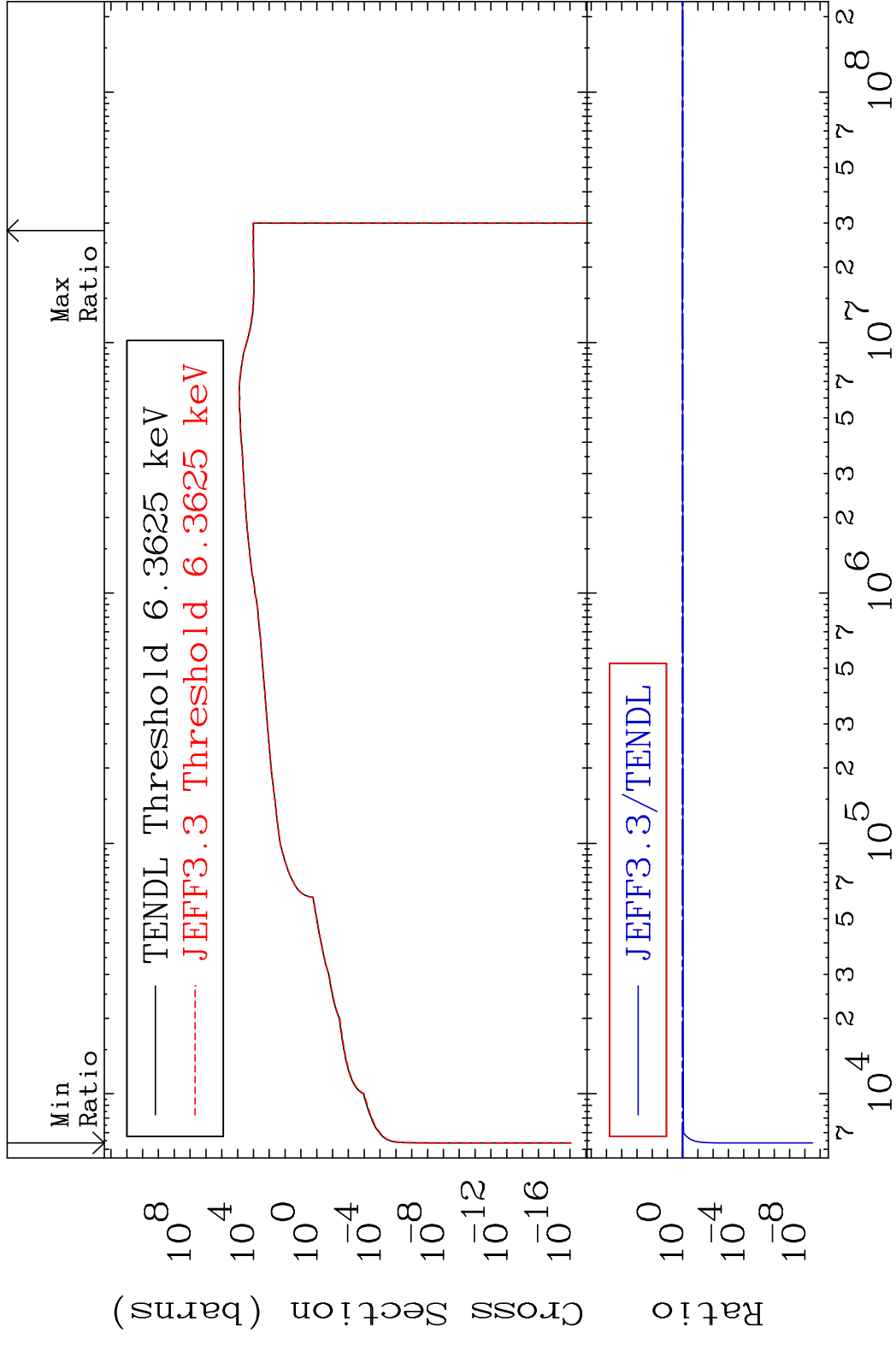
50-Sn-121

MAT 5052

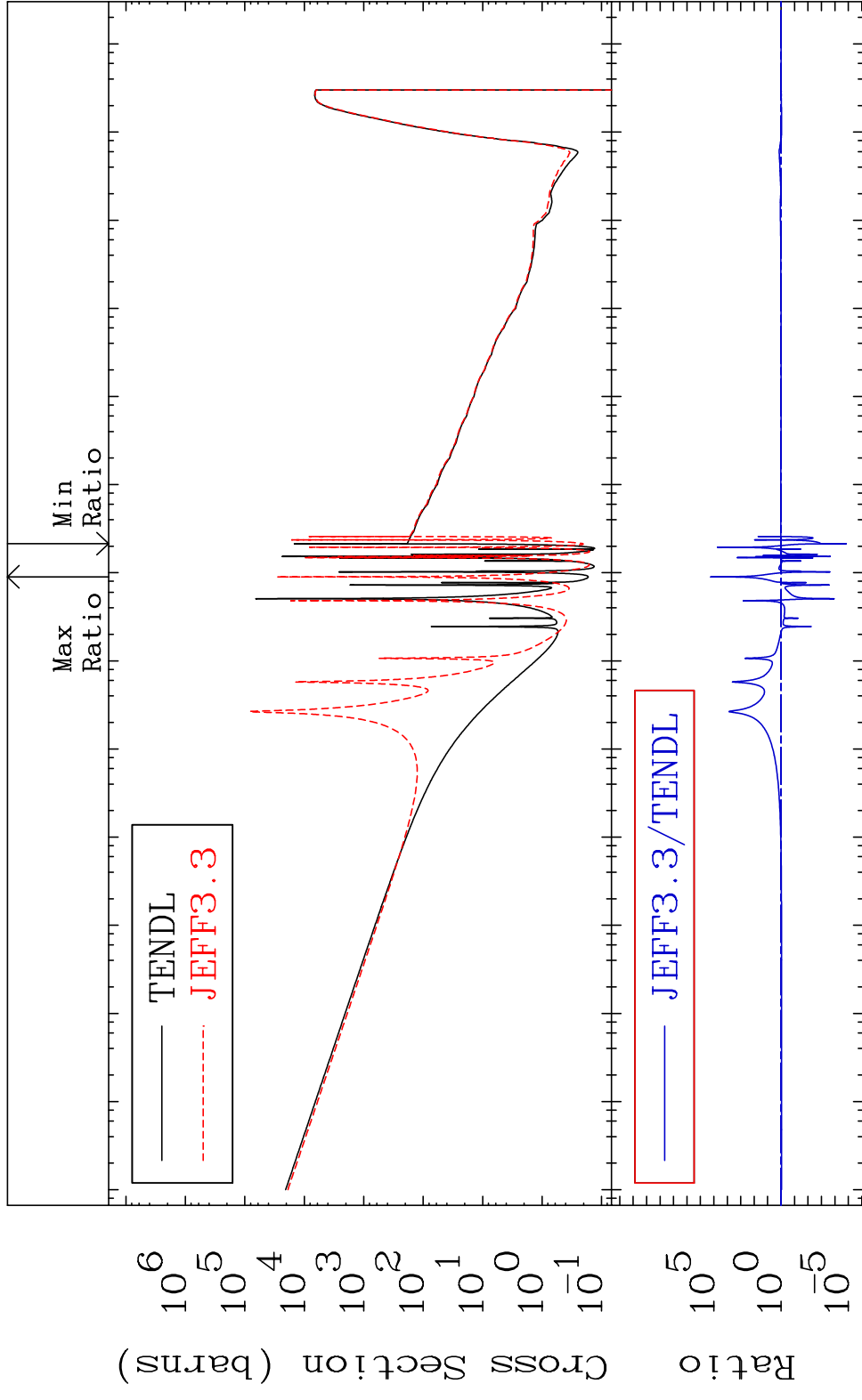
Dpa inelastic (mt51-91)

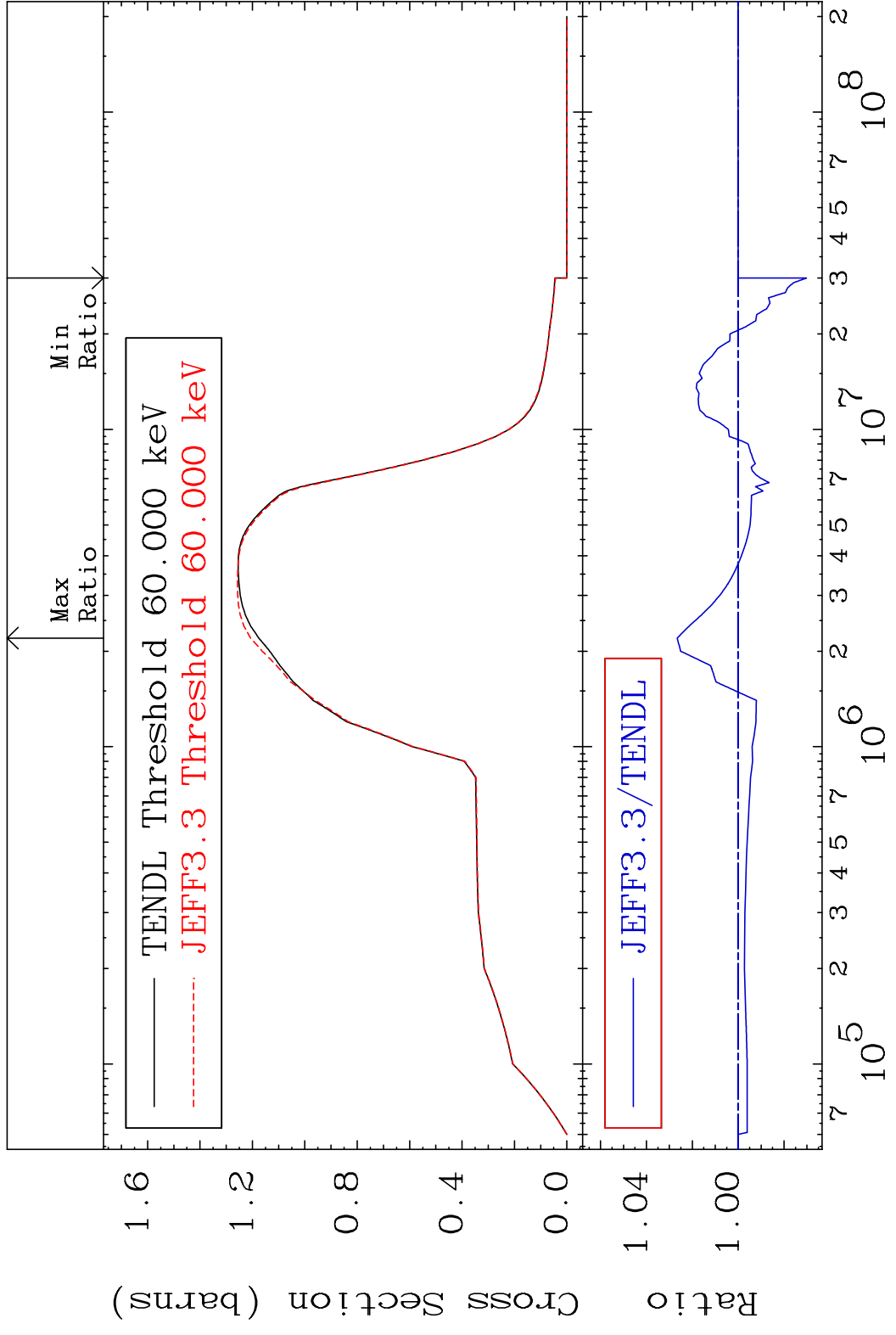
50-Sn-121

Cross Section -100.0 To 5.663 %

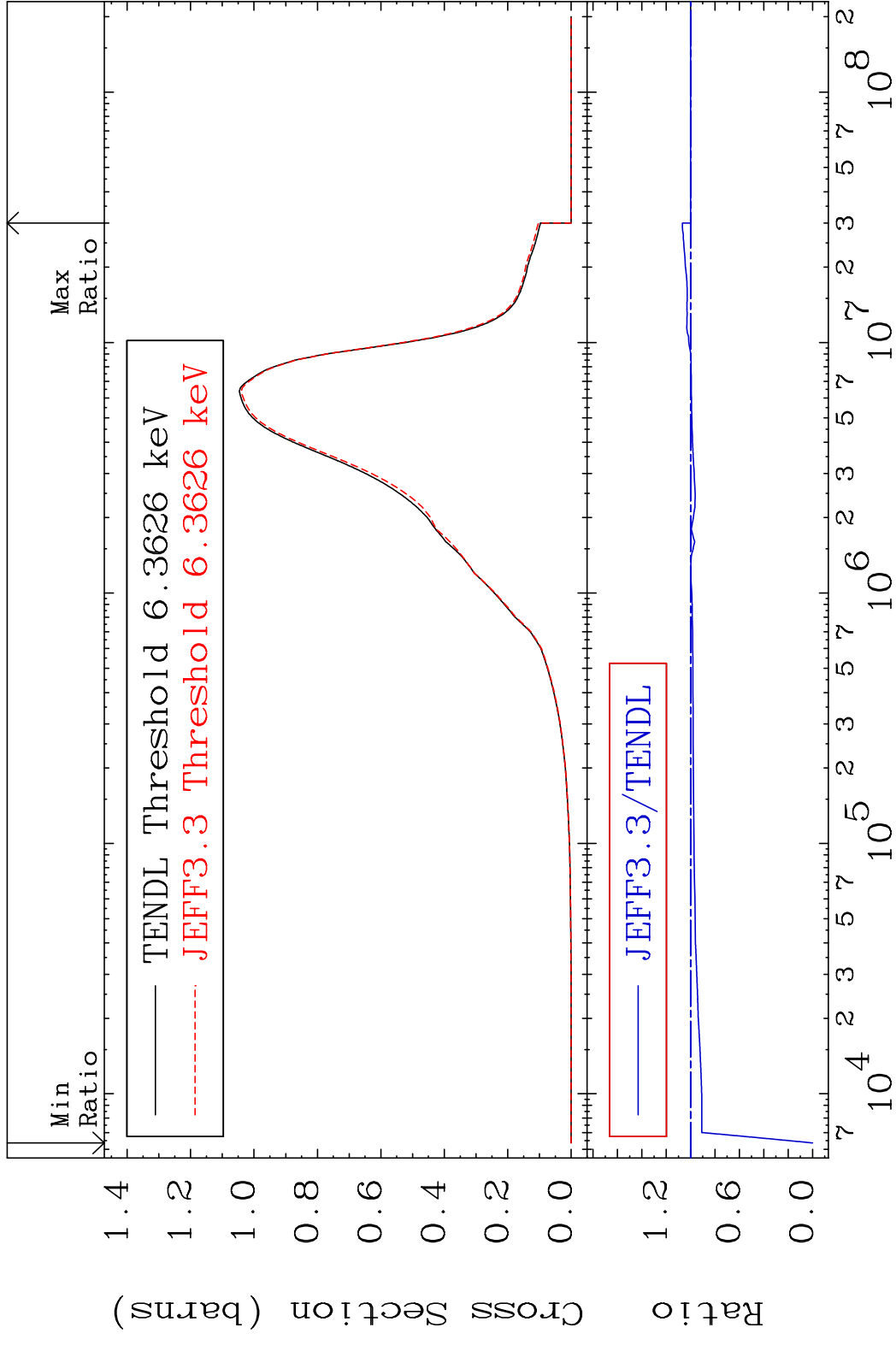


MAT 5052 Dpa disappearance (mt102 -120) 50-Sn-121
 Cross Section -100.0 To 9999. %

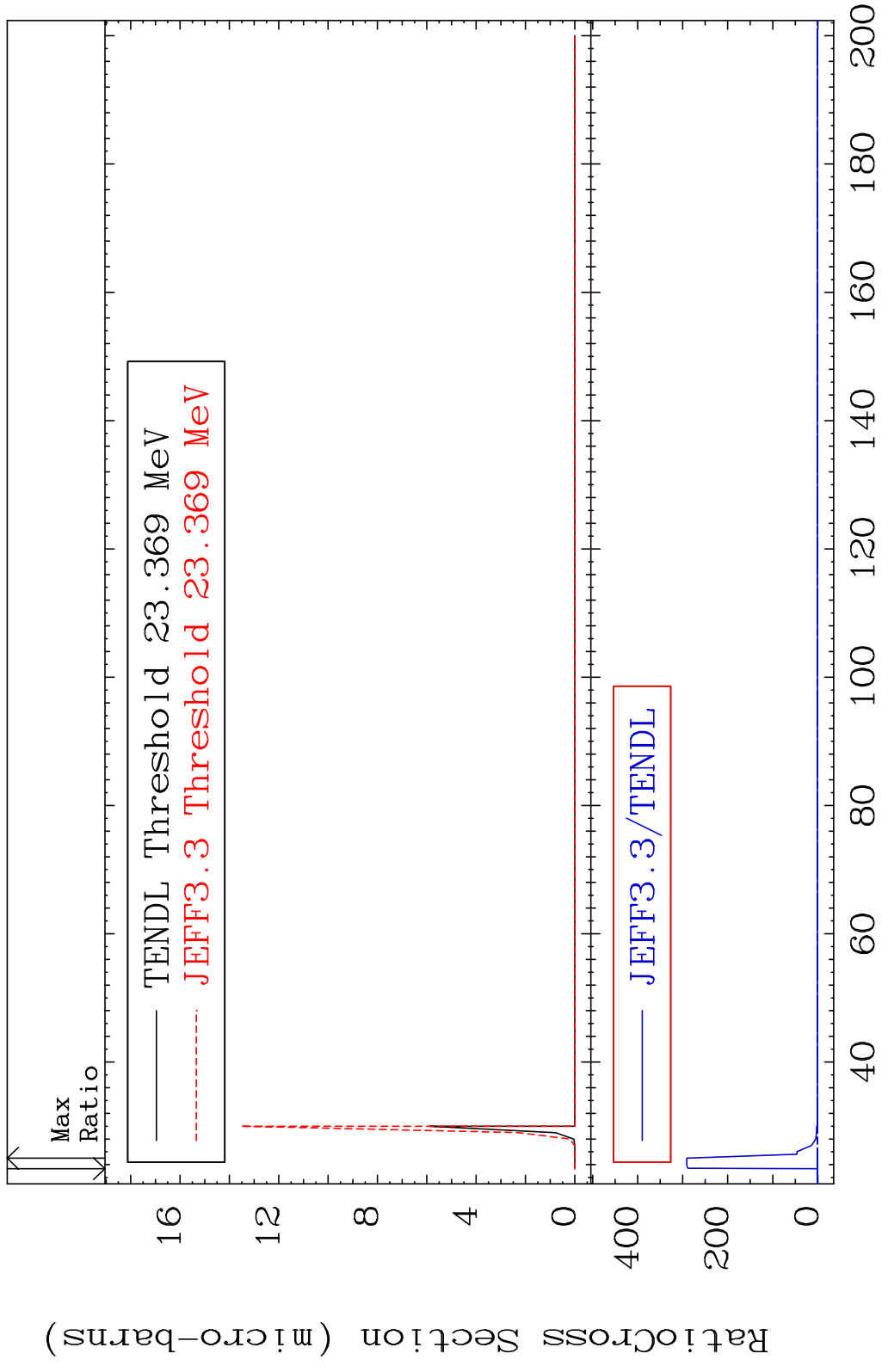




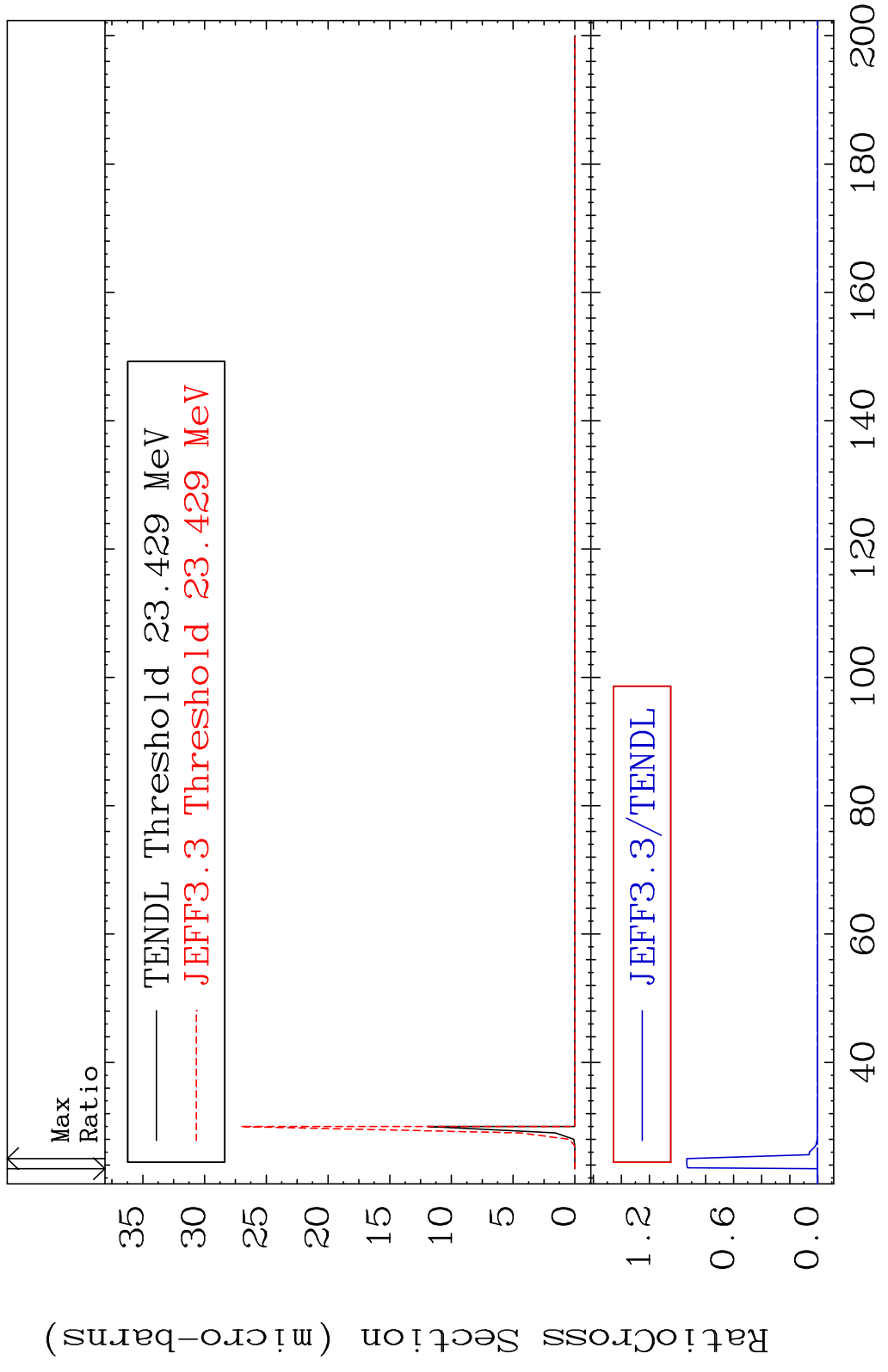
MAT 5052 Inelastic:50-Sn-121m1 50-Sn-121
 Radionuclide Production Cross Section 6.765 %



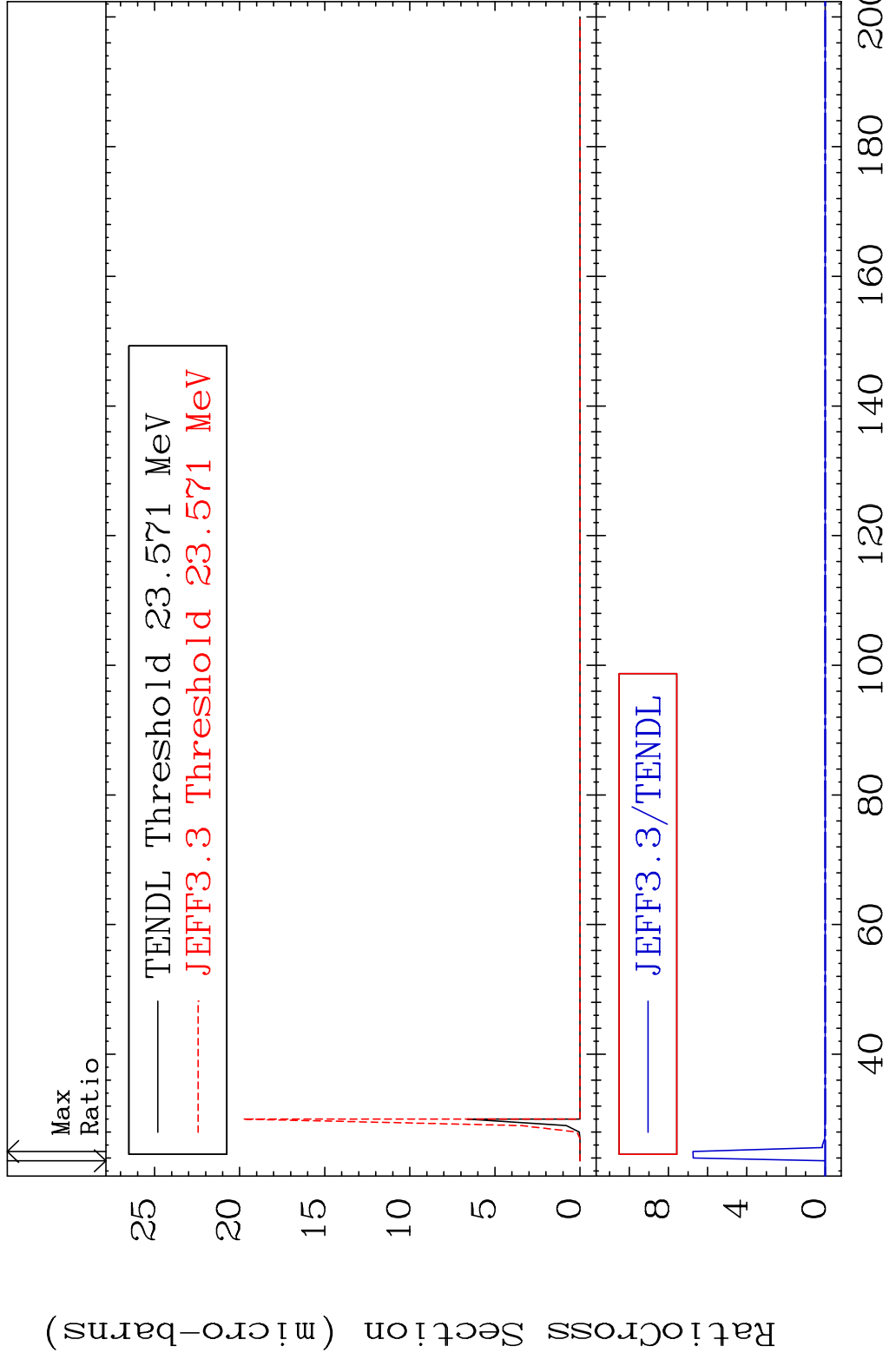
MAT 5052 (n,2n) d:49-In-118g 50-Sn-121
 Radionuclide Production Cross Section 100.00 %



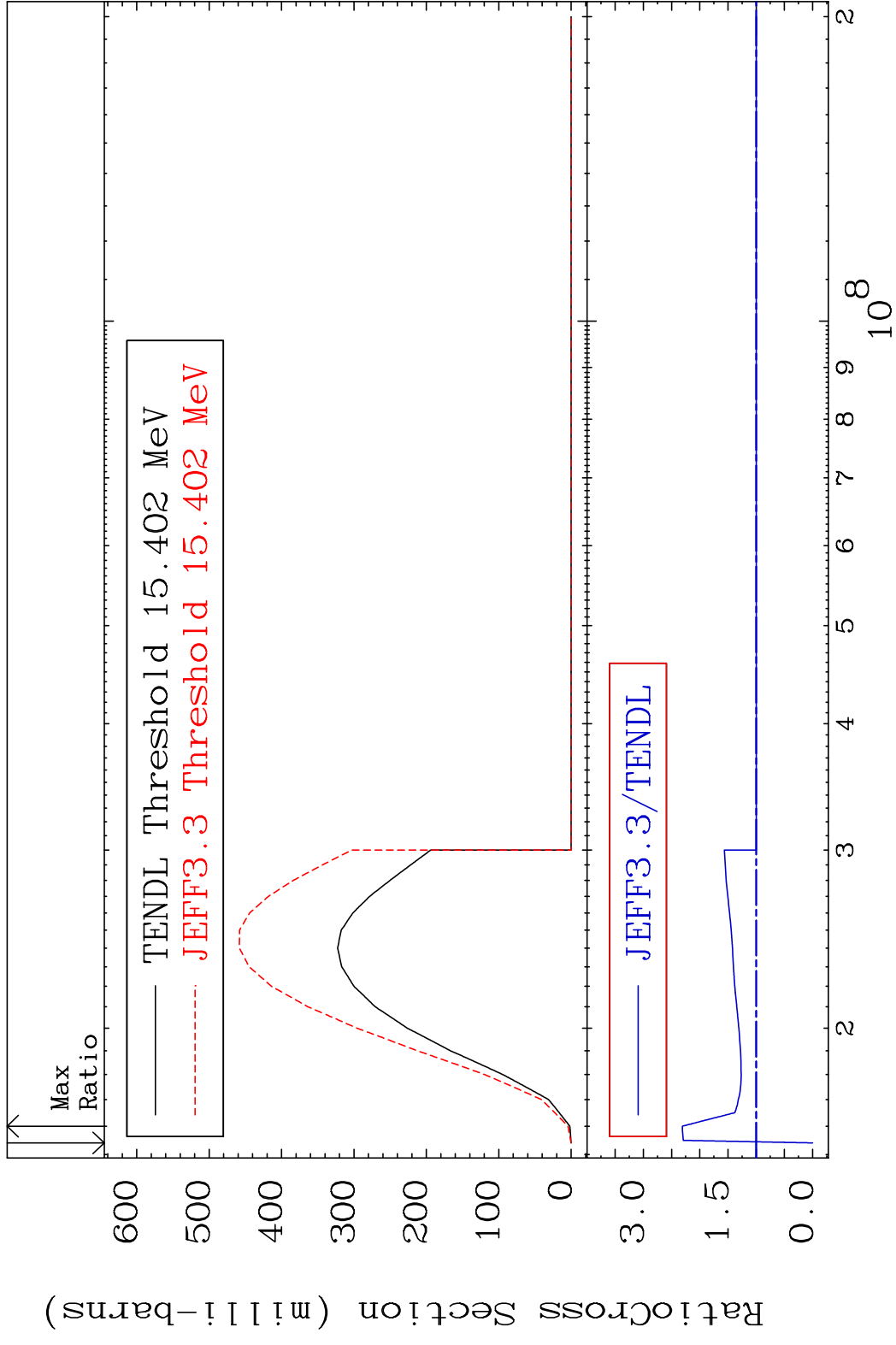
MAT 5052 (n,2n) d:49-In-118m1 50-Sn-121
 Radionuclide Production Cross Section Ratio 9999. %



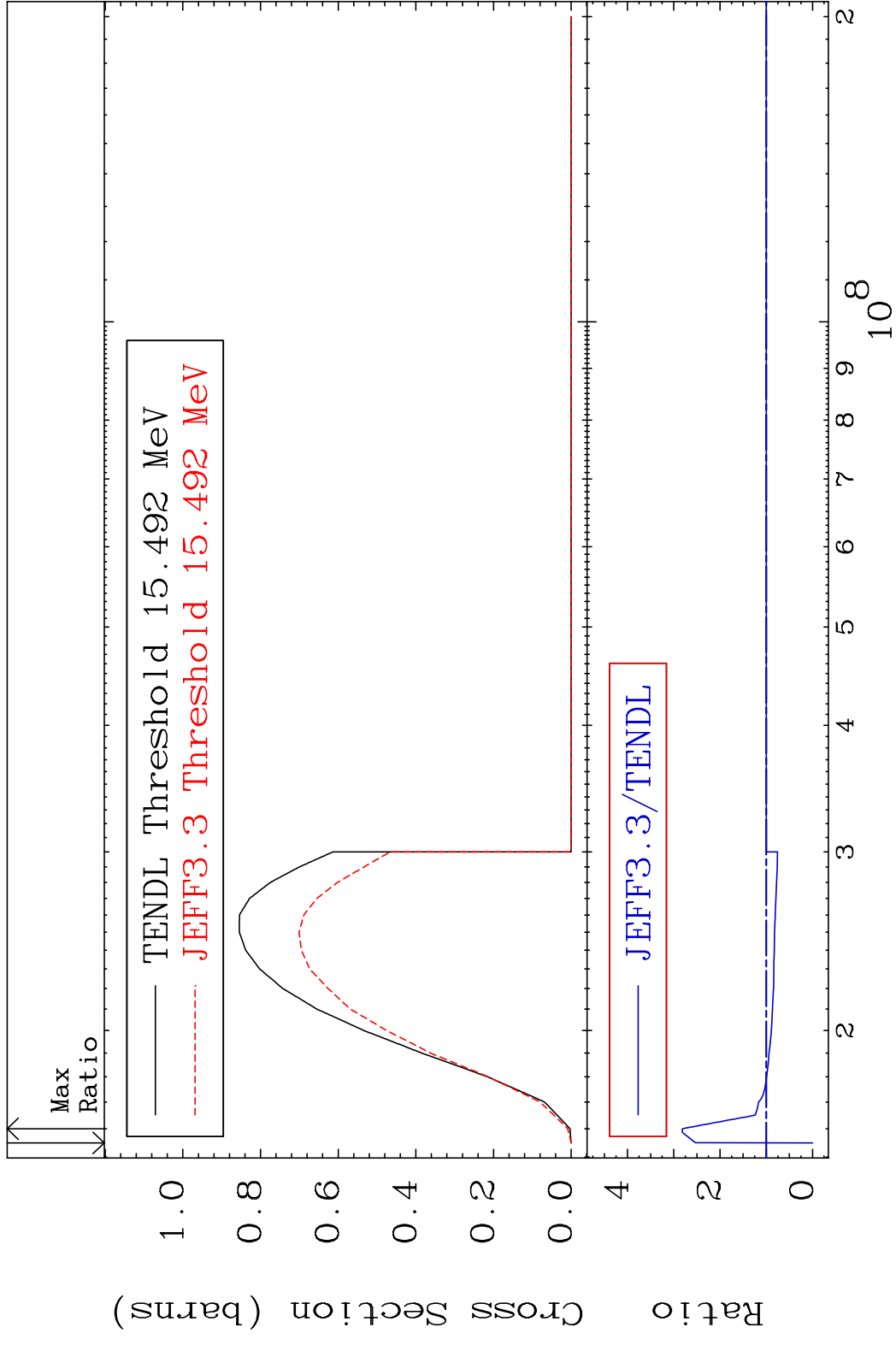
MAT 5052 (n,2n) d:49-In-118m3 50-Sn-121
 Radionuclide Production Cross Section Ratio 9999. %



MAT 5052 (n,3n):50-Sn-119g 50-Sn-121
 Radionuclide Production Cross Section 130.9 %

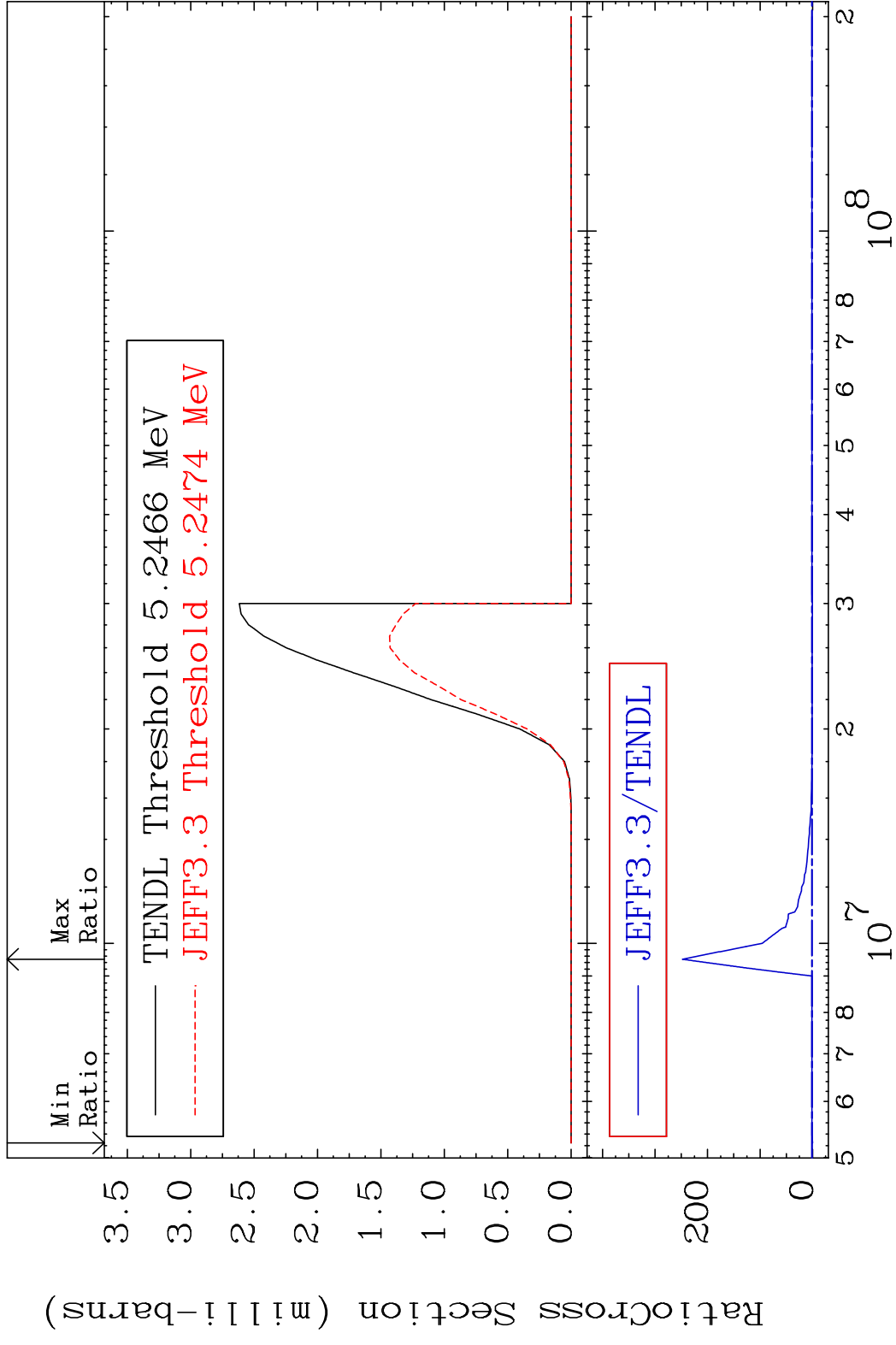


MAT 5052 (n, 3n):50-Sn-119m2 50-Sn-121
 Radionuclide Production Cross Section 180.01 dth 181.4 %

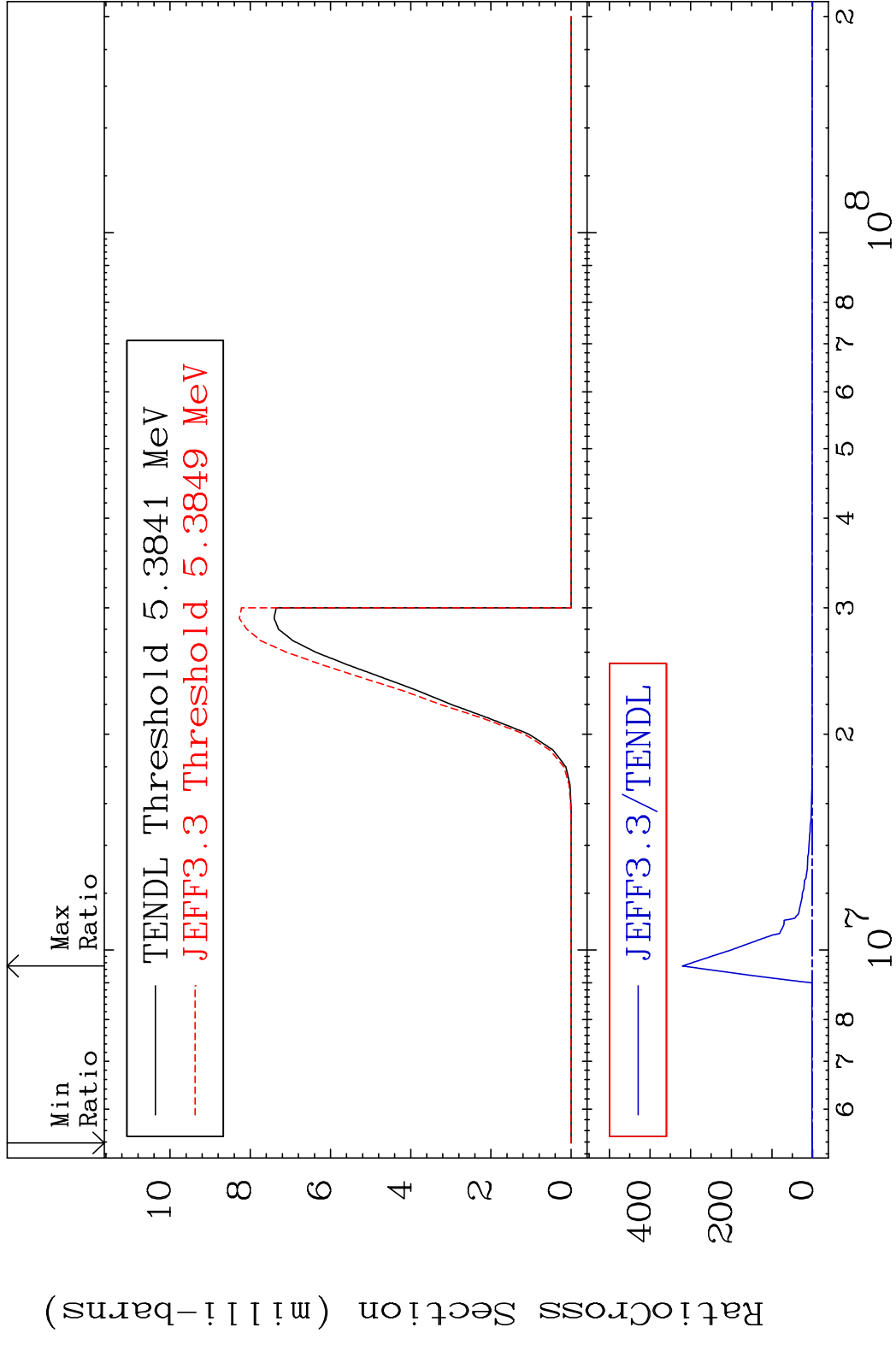


80 Incident Energy (eV) 50-Sn-121

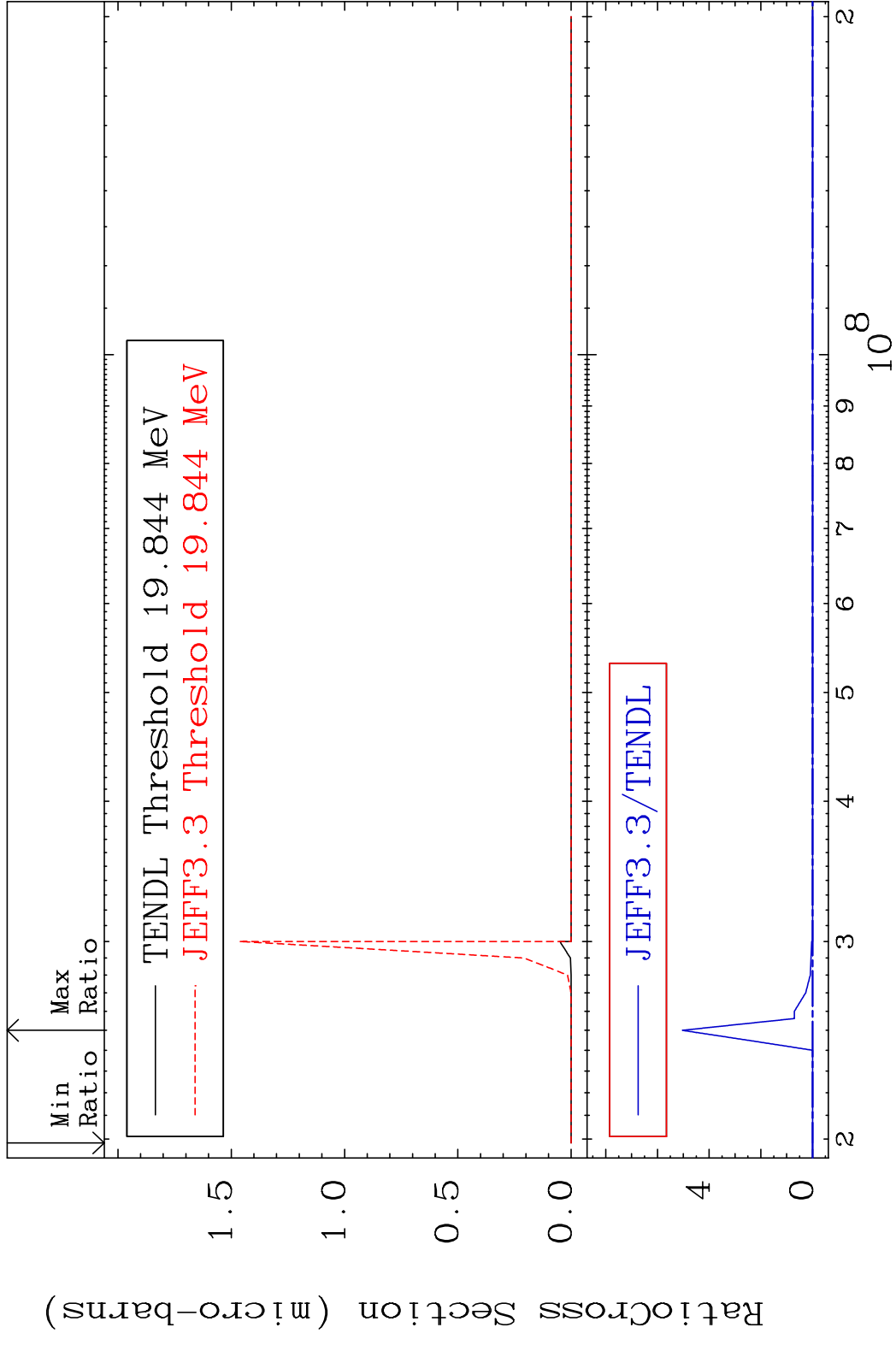
MAT 5052 (n, n') α :48-Cd-117g 50-Sn-121
 Radionuclide Production Cross Section to 9999. %



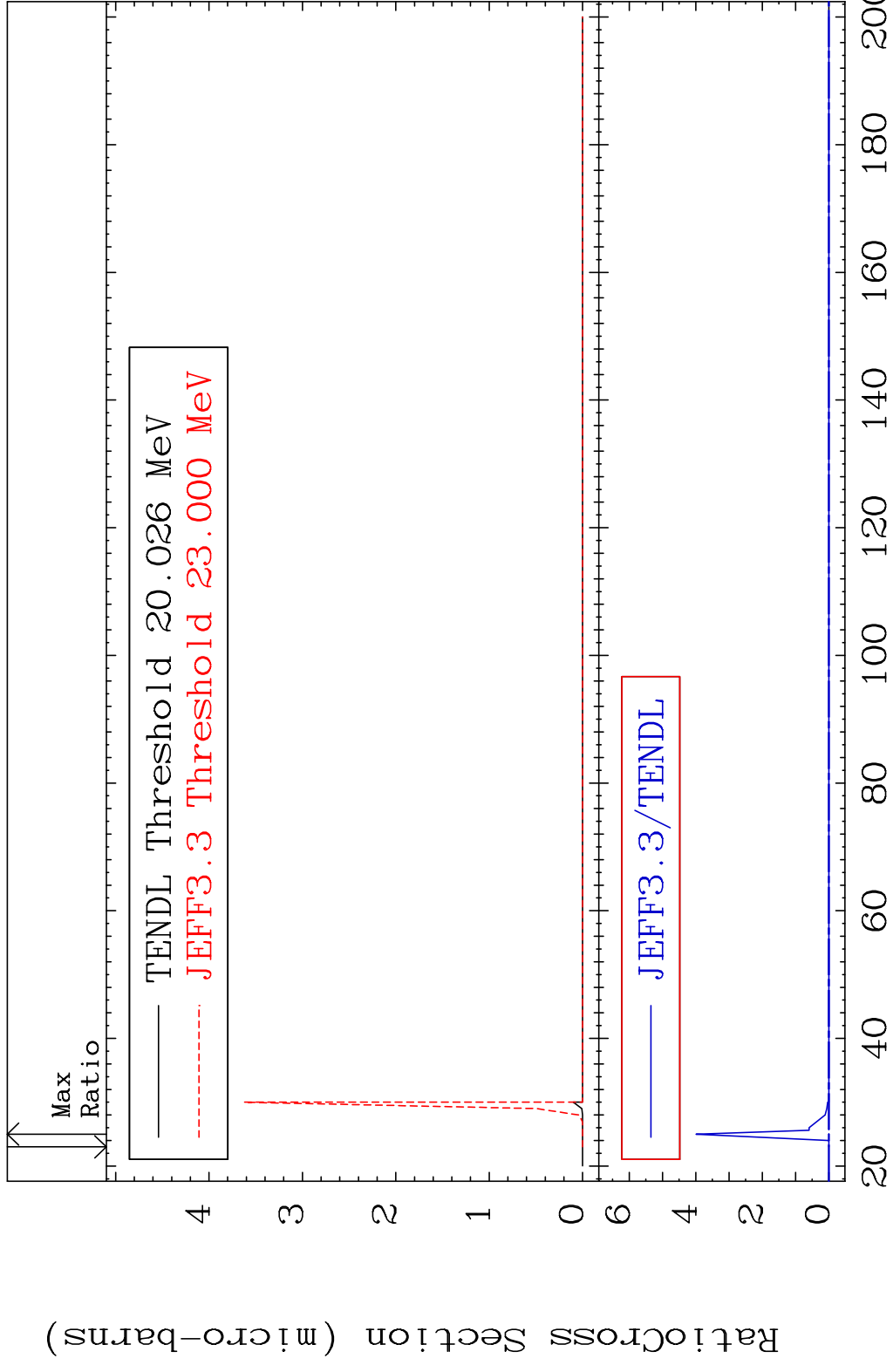
MAT 5052 (n, n') α :48-Cd-117m2 50-Sn-121
 Radionuclide Production Cross Section to 9999. %



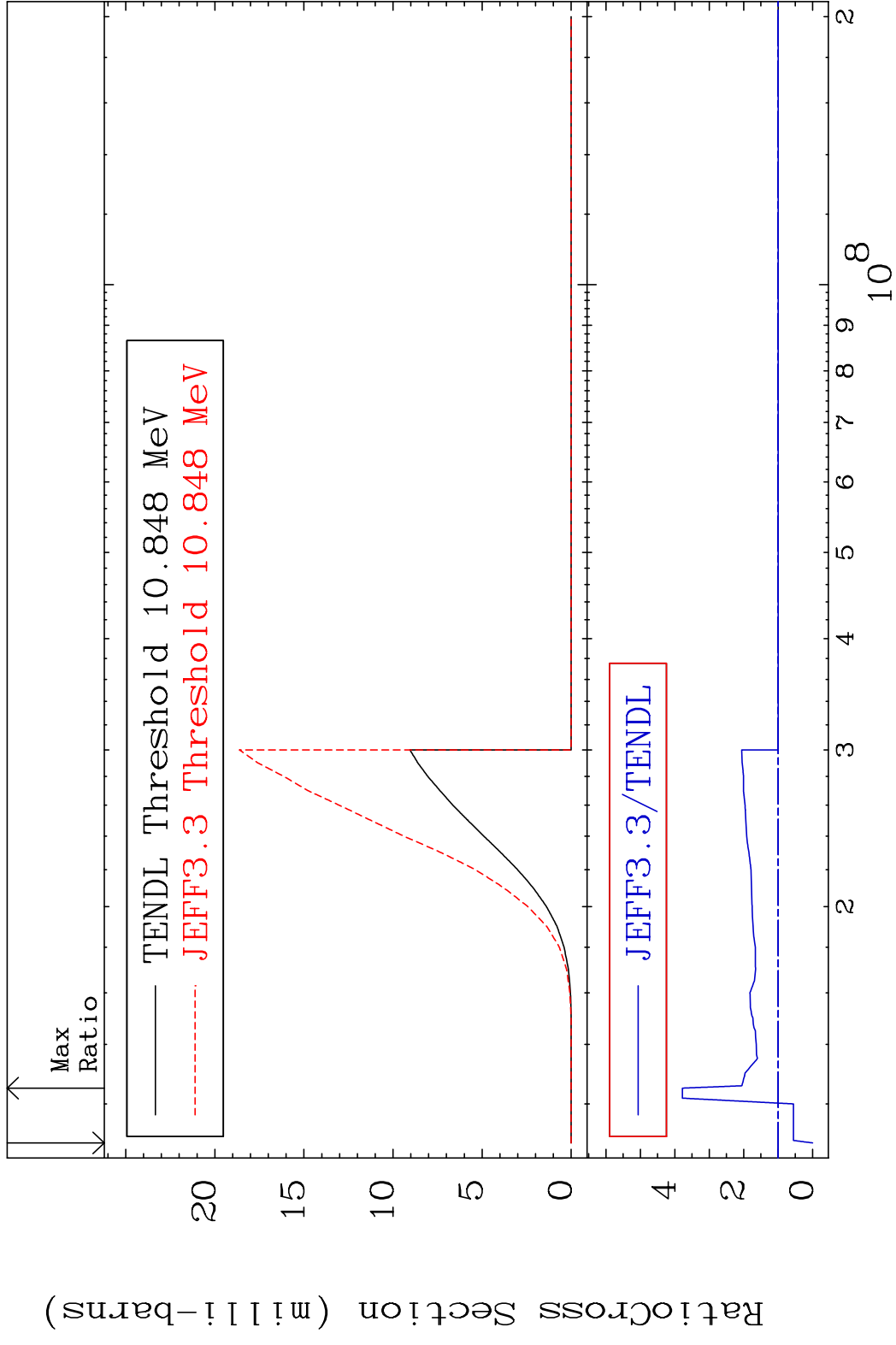
MAT 5052 (n,3n) α :48-Cd-115g 50-Sn-121
 Radionuclide Production Cross Section to 9999. %



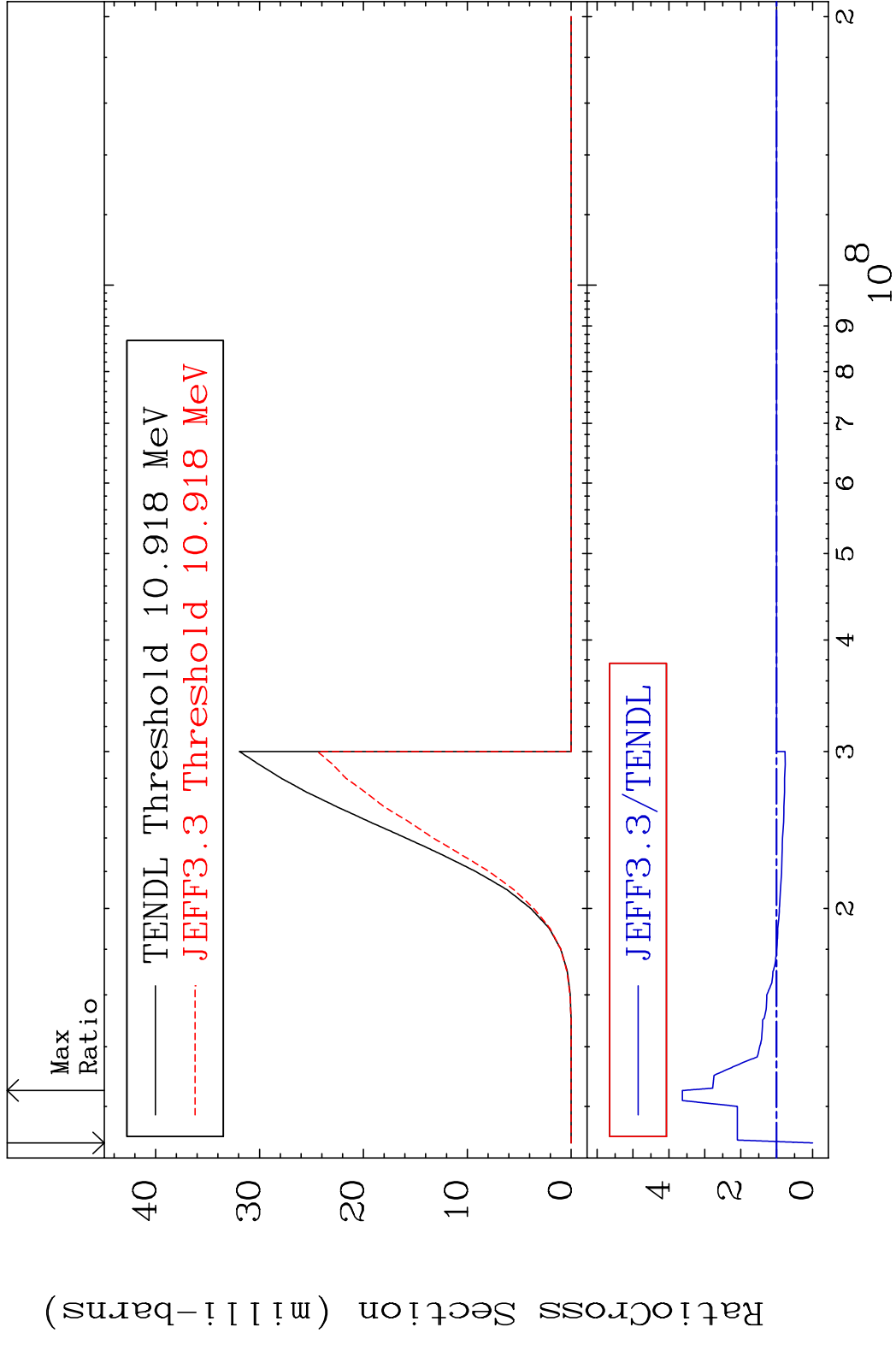
MAT 5052 (n,3n) α :48-Cd-115m1 50-Sn-121
 Radionuclide Production Cross Section to 9999. %



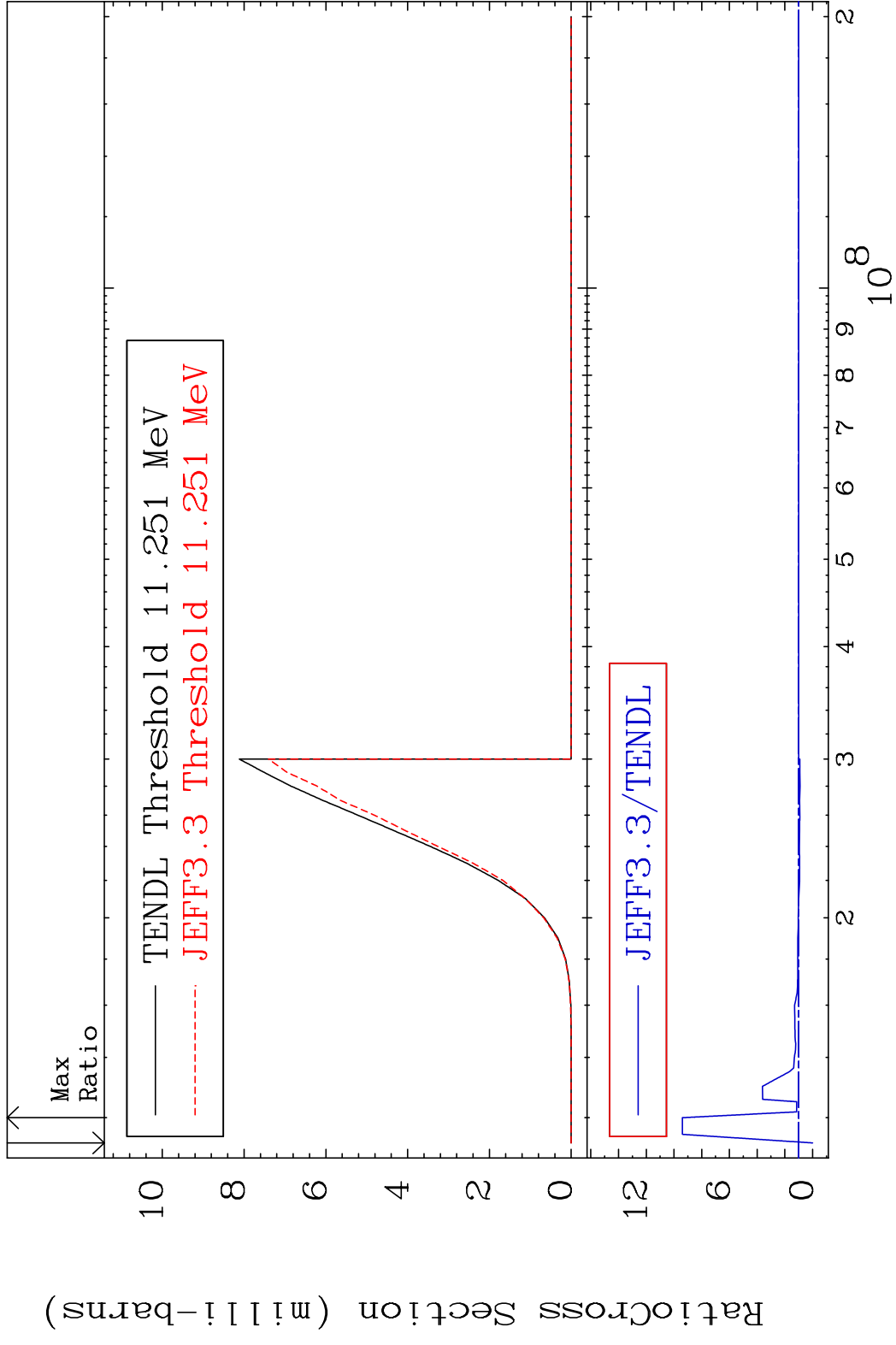
MAT 5052 (n, n') p:49-In-120g 50-Sn-121
 Radionuclide Production Cross Section 180.0 dth 278.1 %



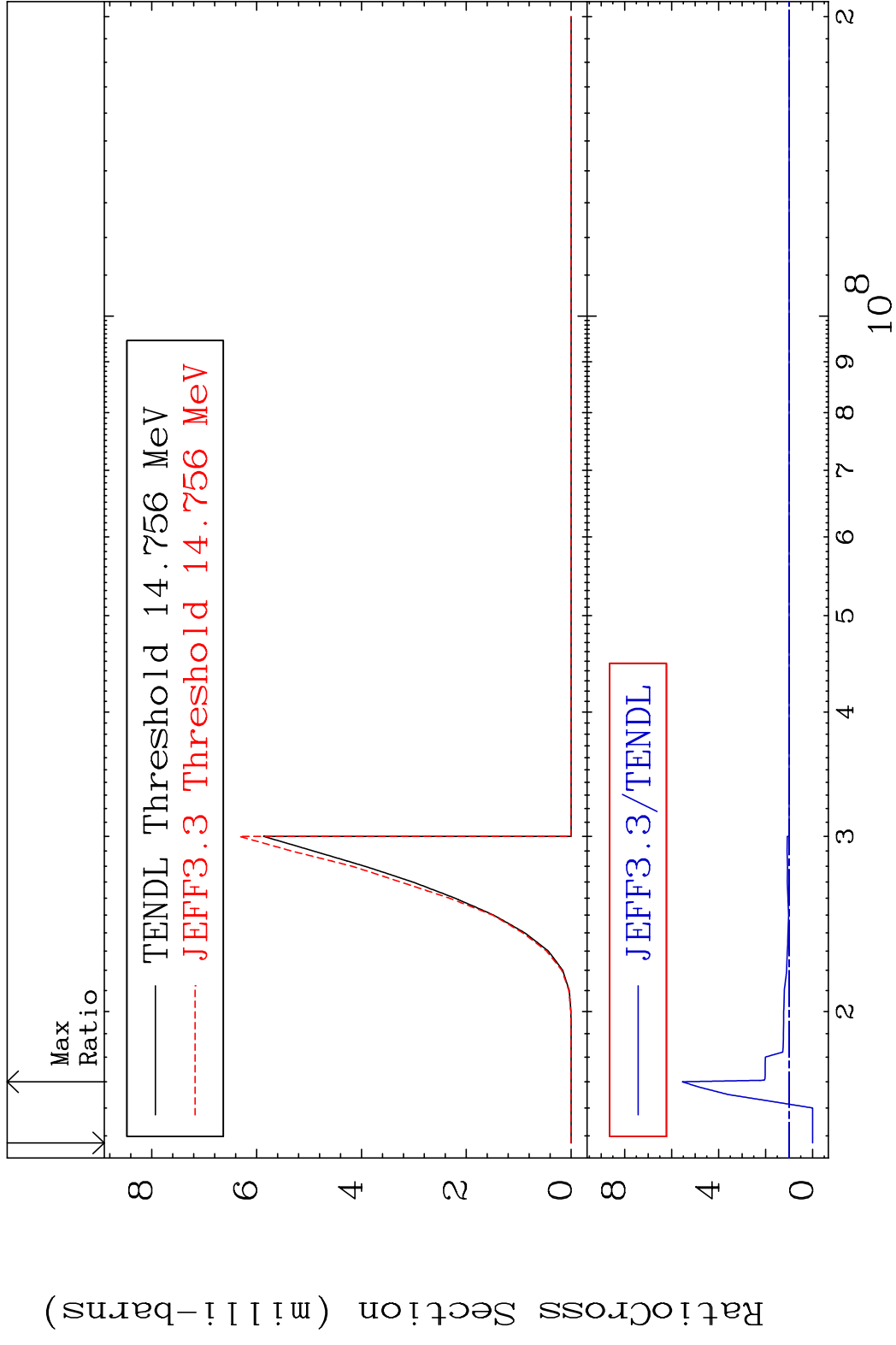
MAT 5052 (n, n') p:49-In-120m1 50-Sn-121
 Radionuclide Production Cross Section 180.01 dth 262.6 %

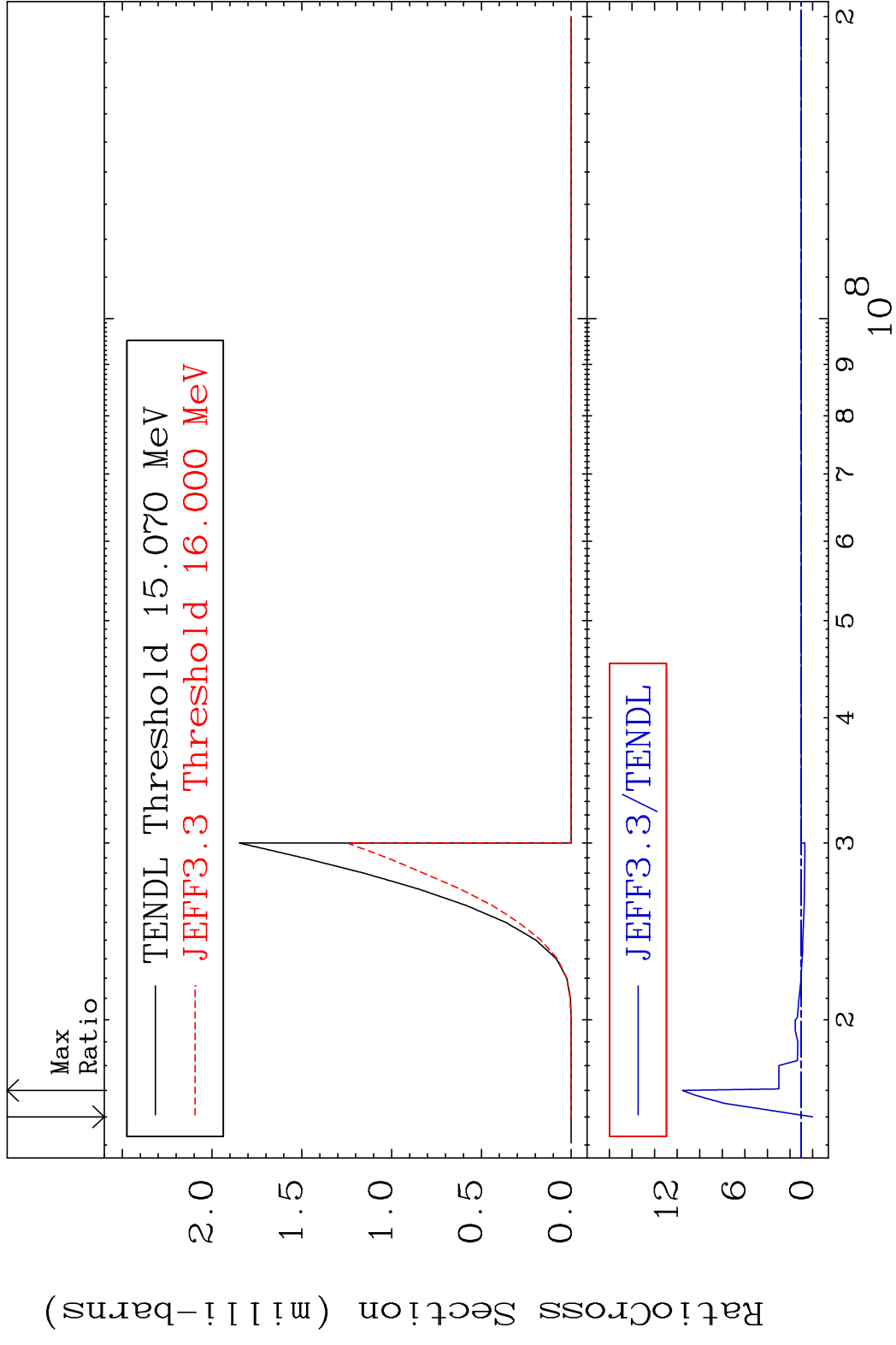


MAT 5052 (n, n') p:49-In-120m2 50-Sn-121
 Radionuclide Production Cross Section 839.5 %

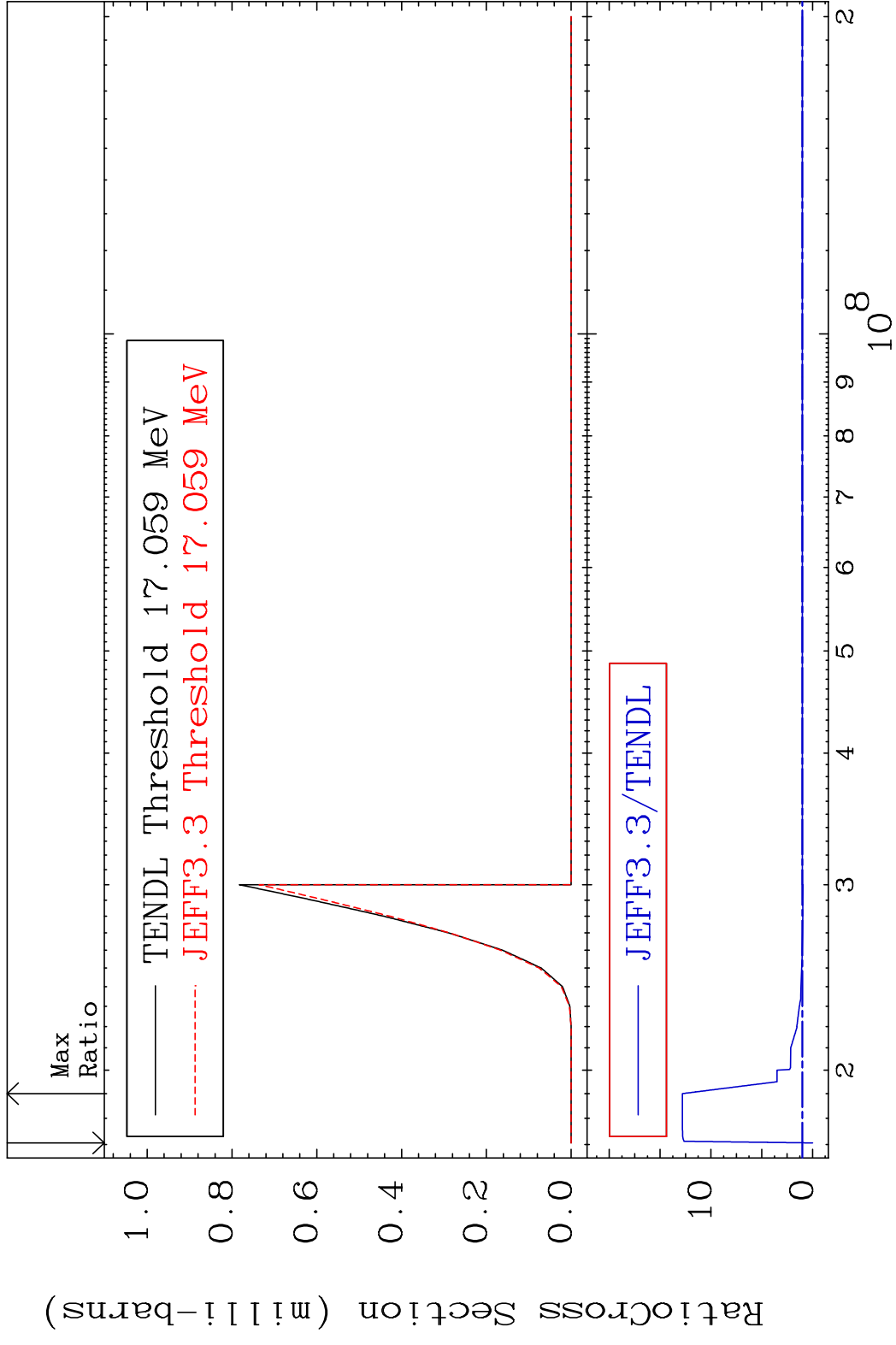


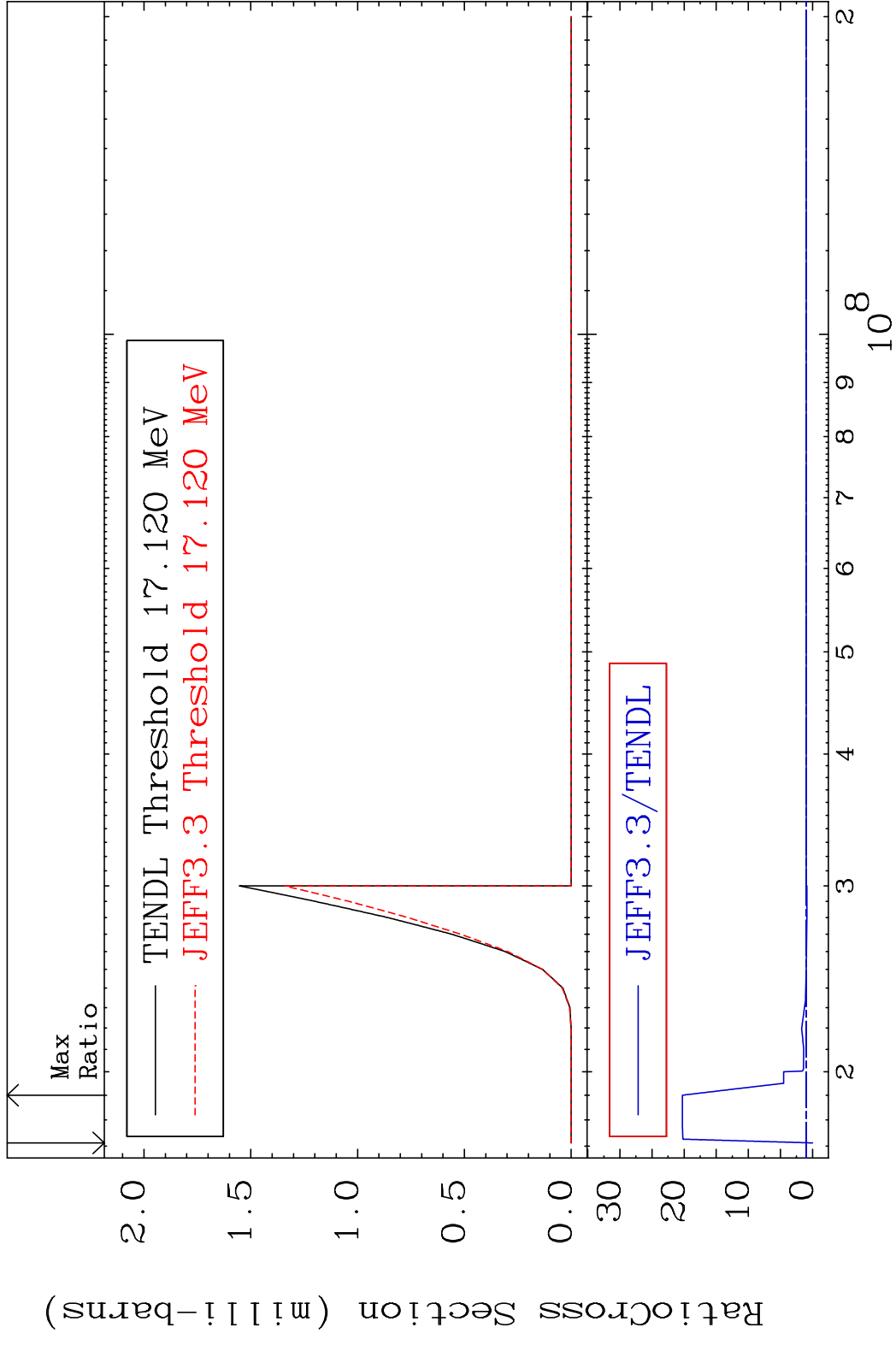
MAT 5052 (n, n') d:49-In-119g 50-Sn-121
 Radionuclide Production Cross Section 180.0 d to 454.4 %



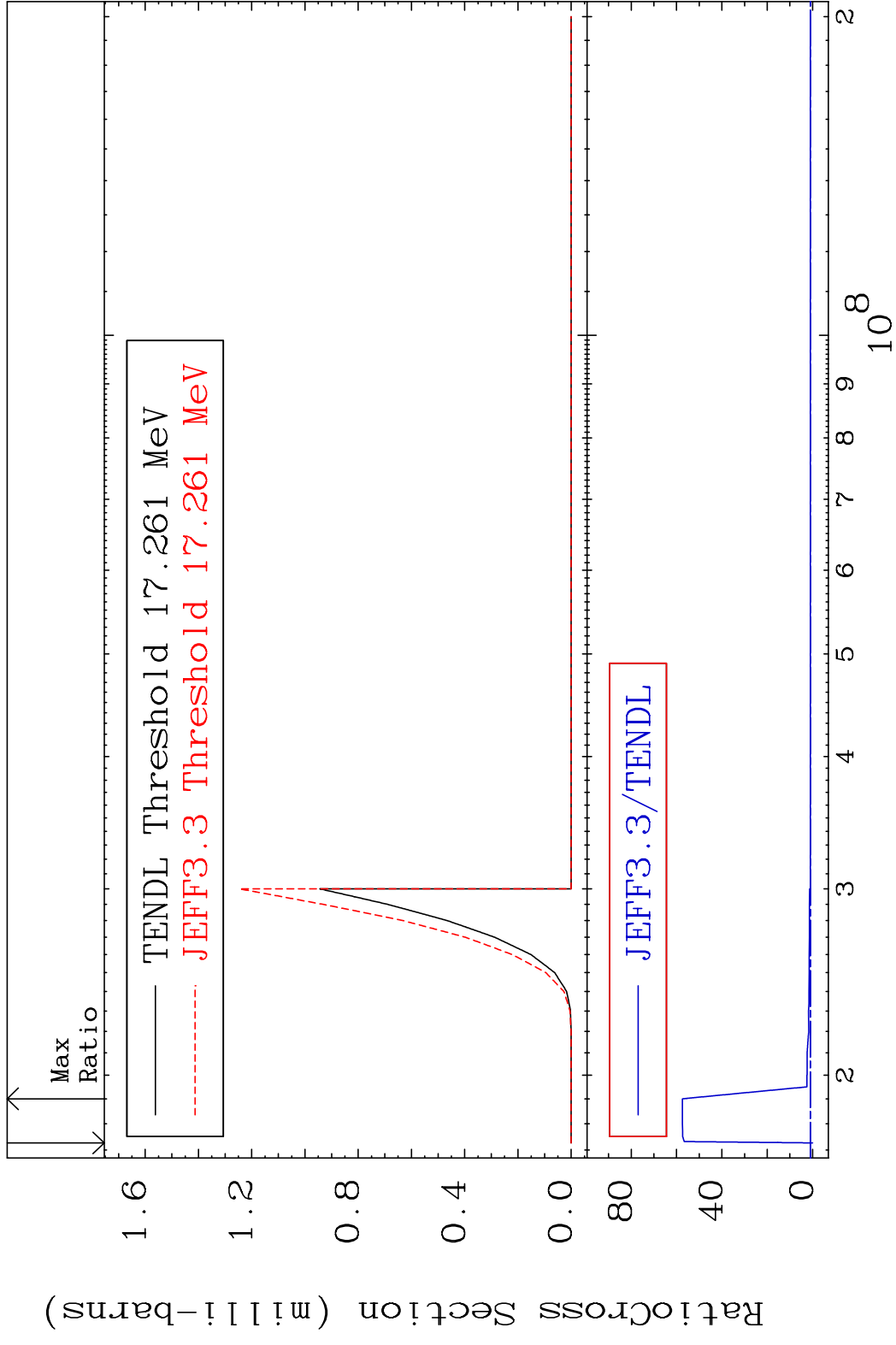


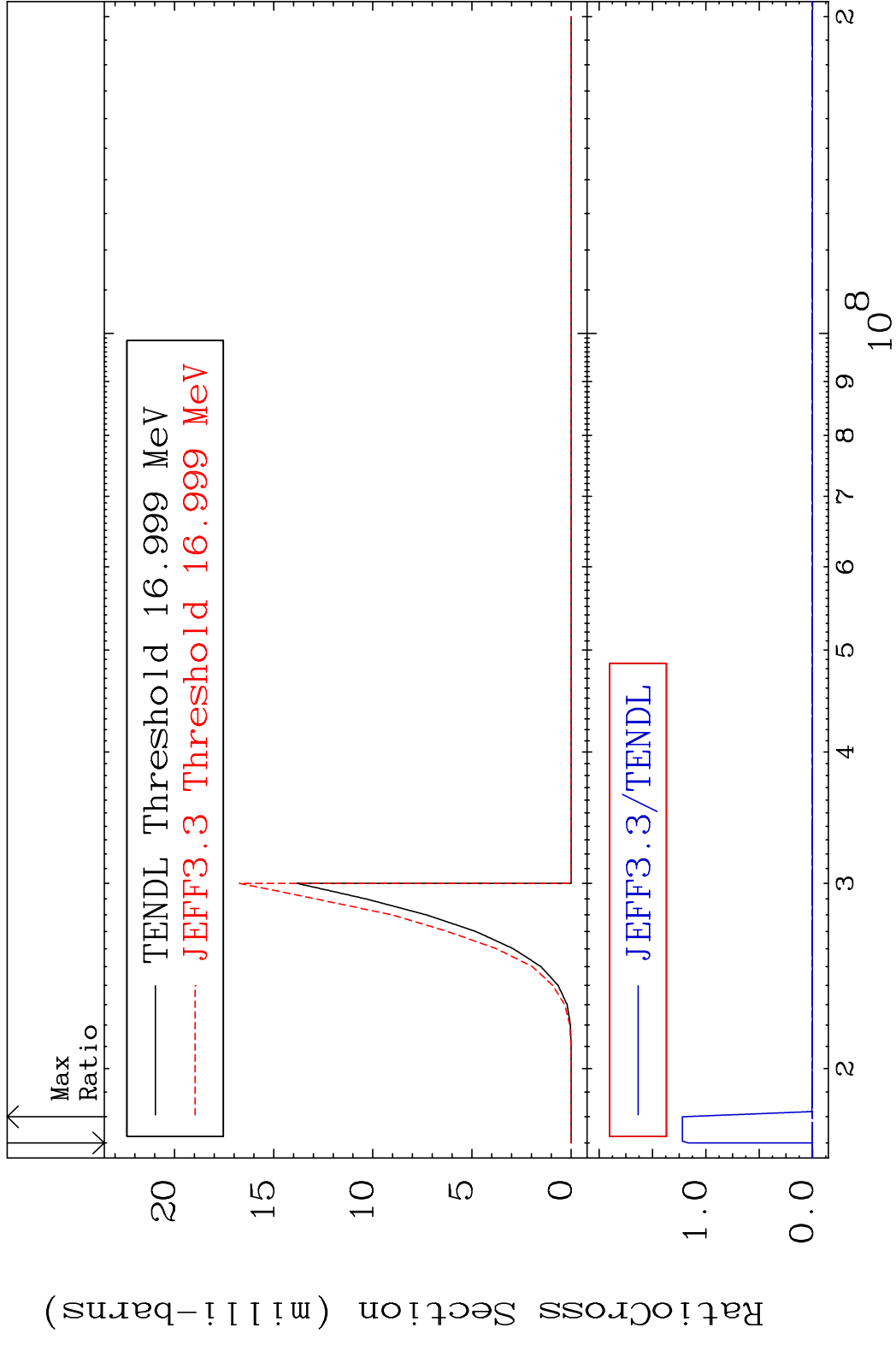
MAT 5052 (n, n') t:49-In-118g 50-Sn-121
 Radionuclide Production Cross Section 180.01 dth 1181. %

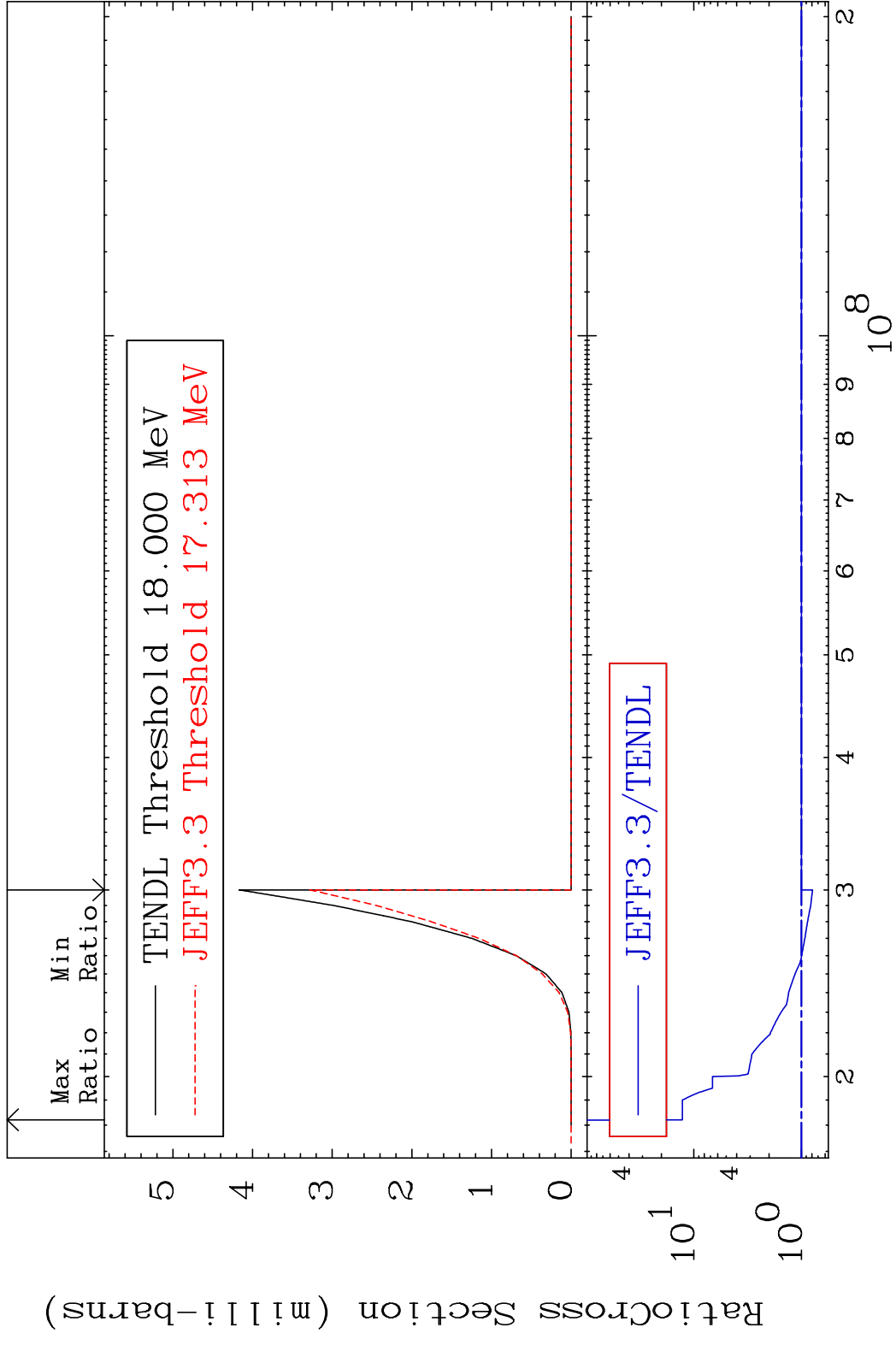




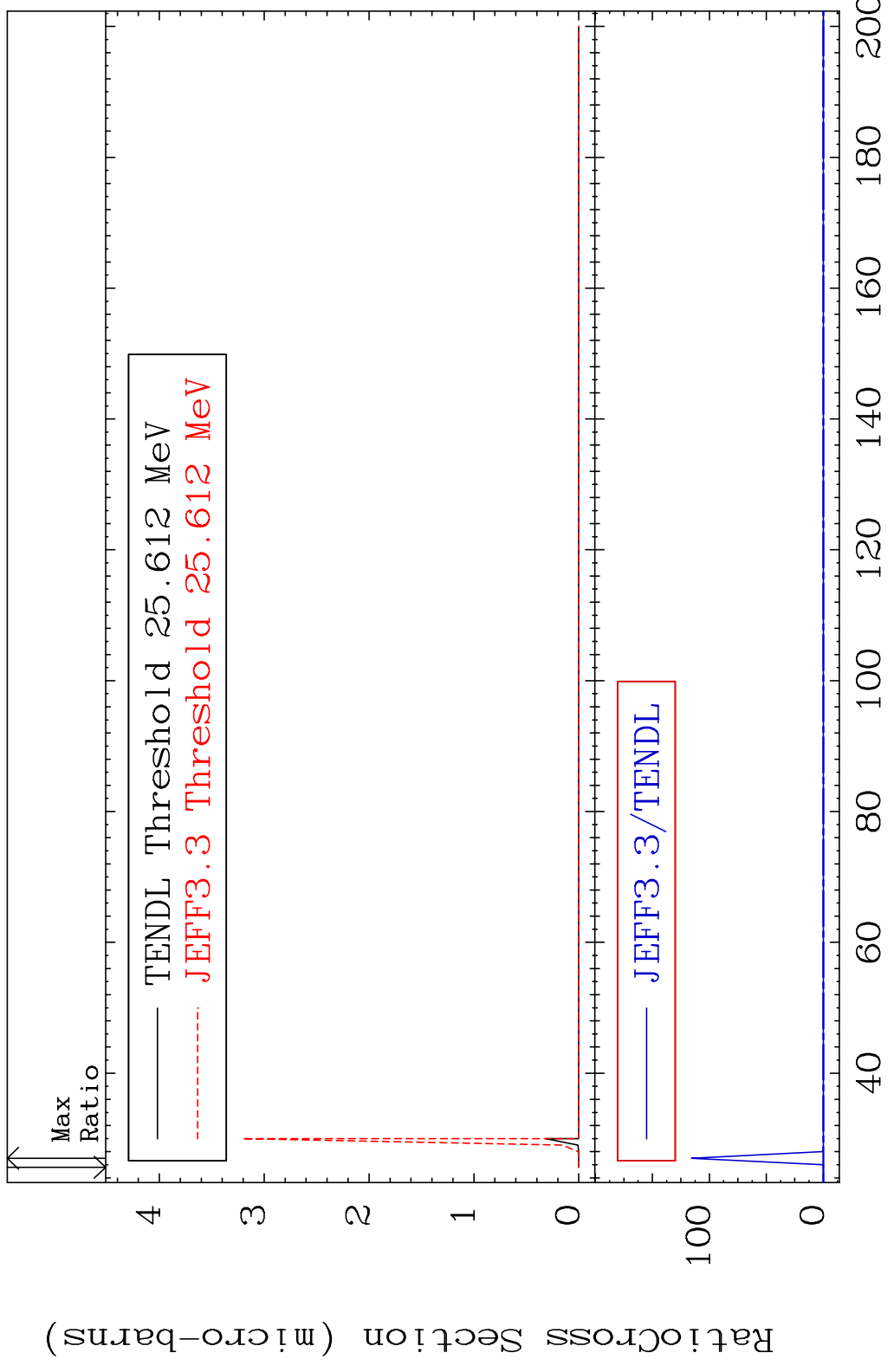
MAT 5052 (n, n') t:49-In-118m3 50-Sn-121
 Radionuclide Production Cross Section to 5644. %

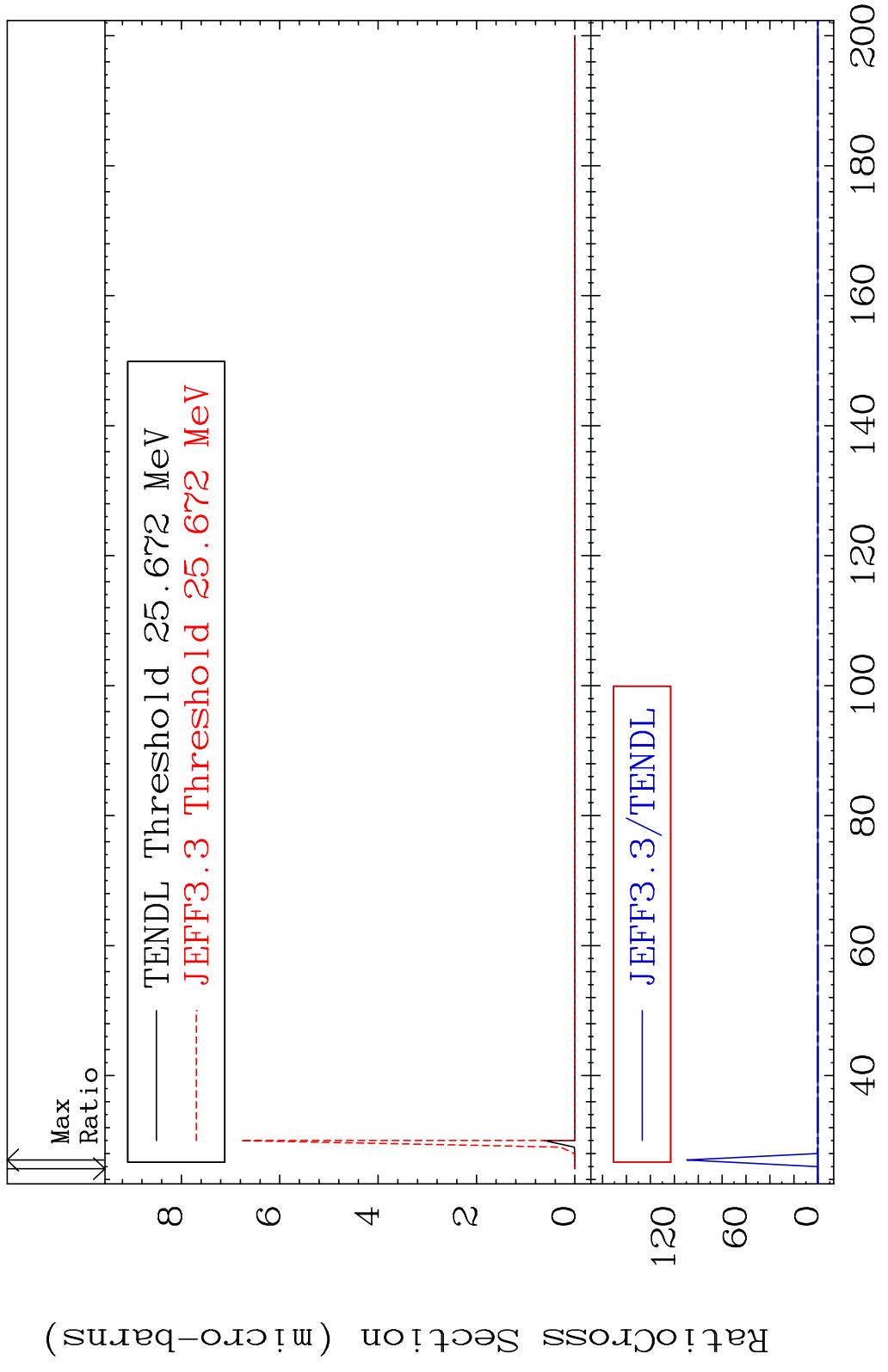


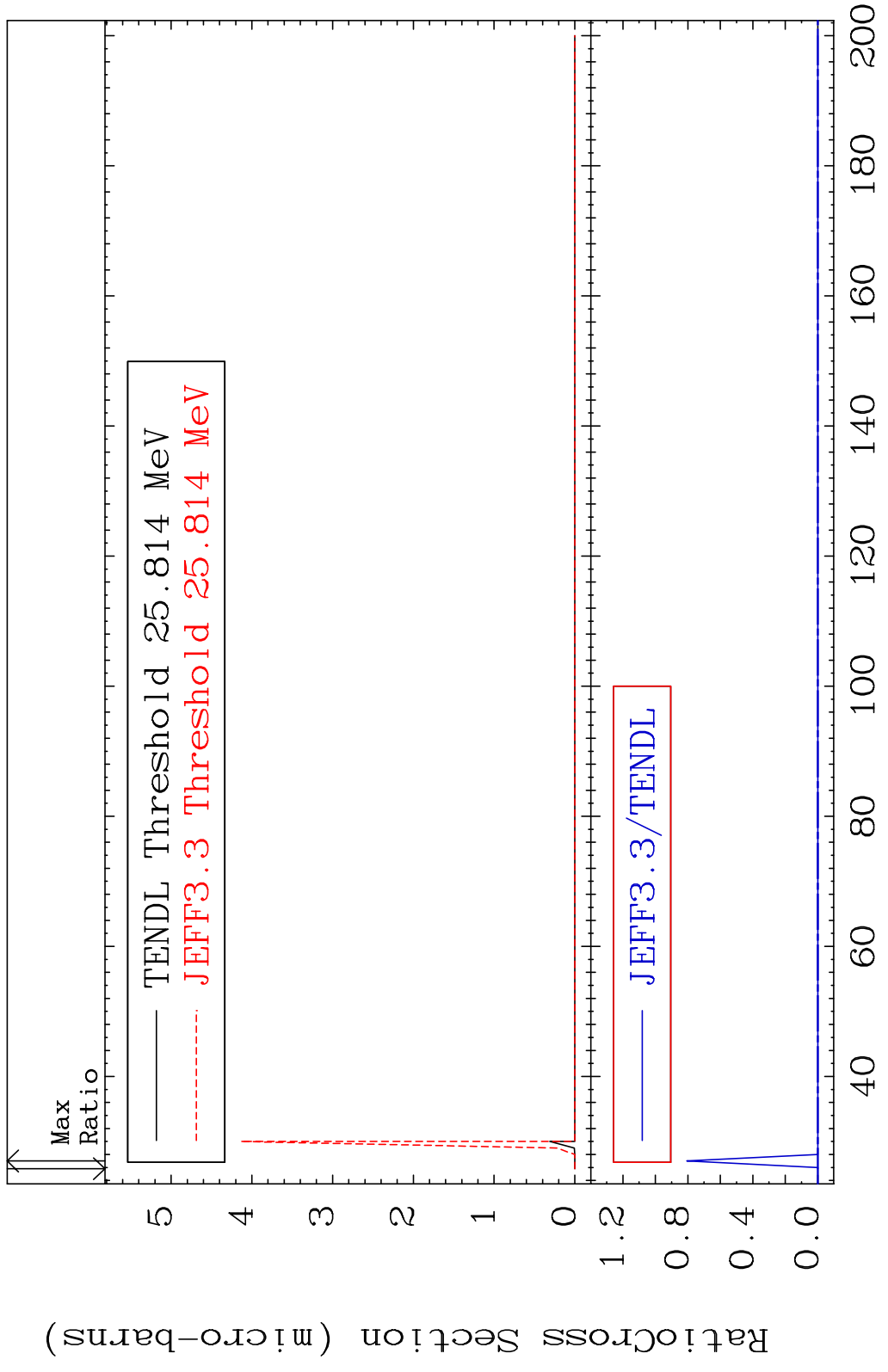




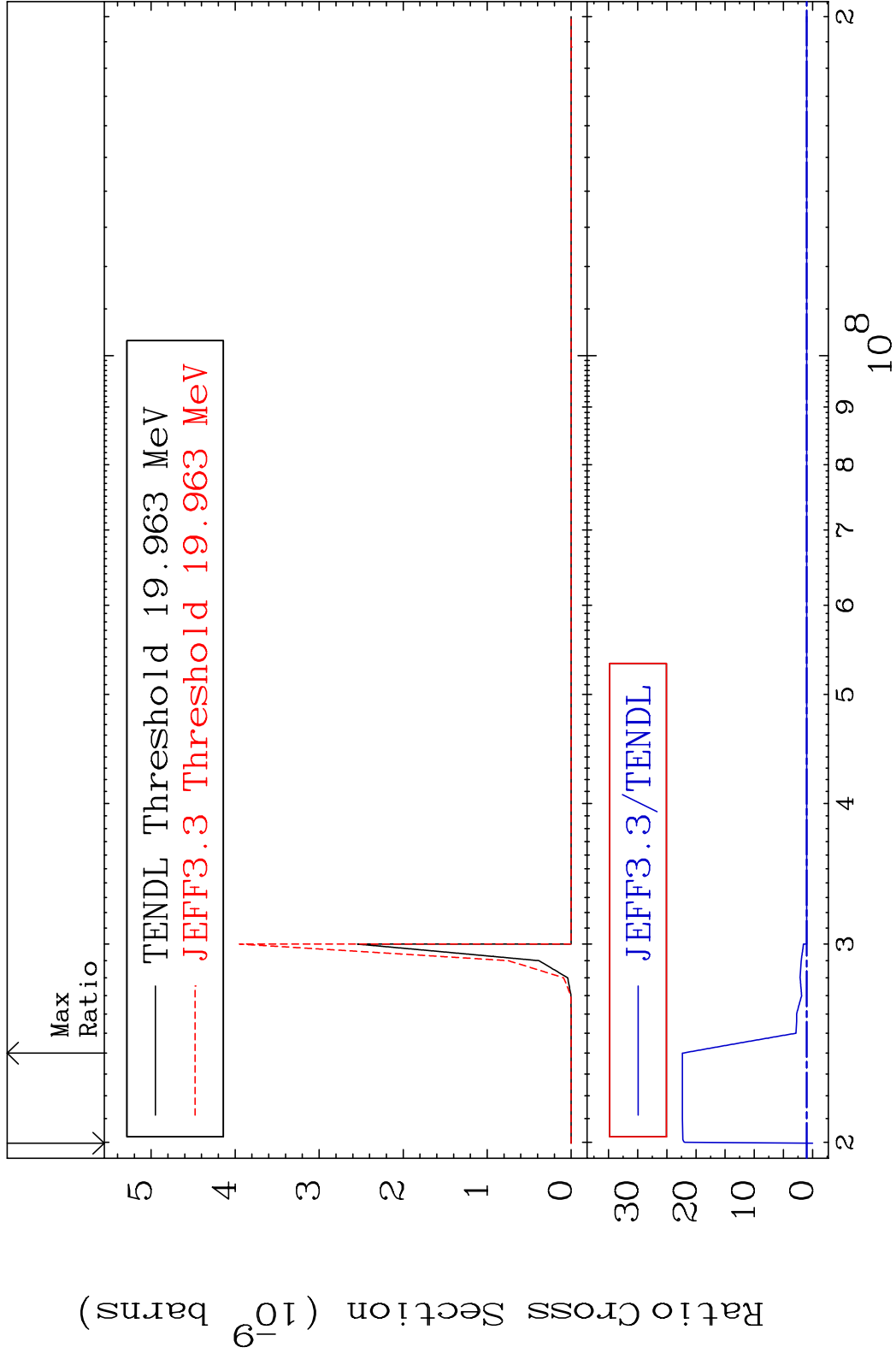
MAT 5052 (n,3n) p:49-In-118g 50-Sn-121
 Radionuclide Production Cross Section Ratio 9999. %

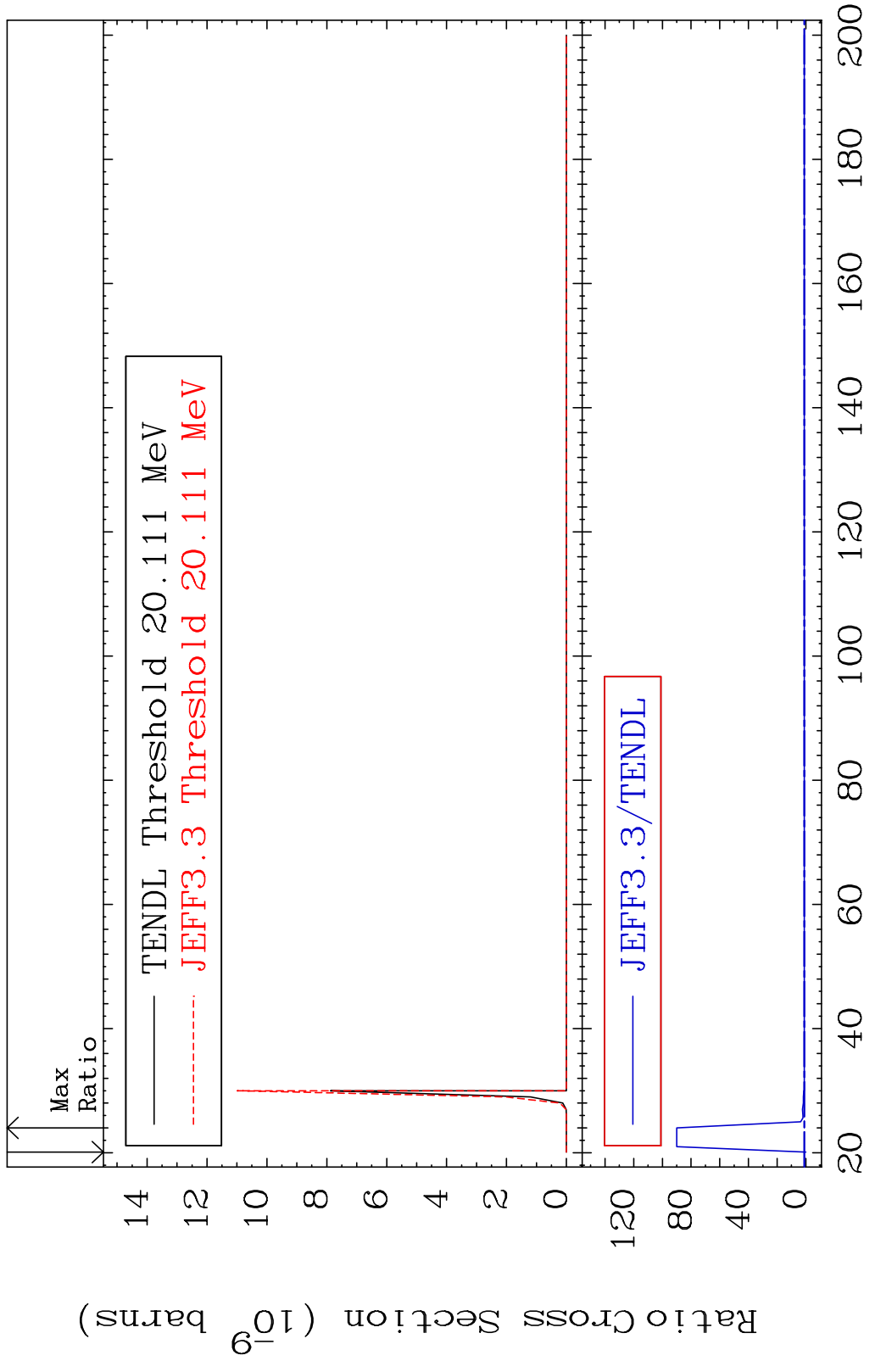




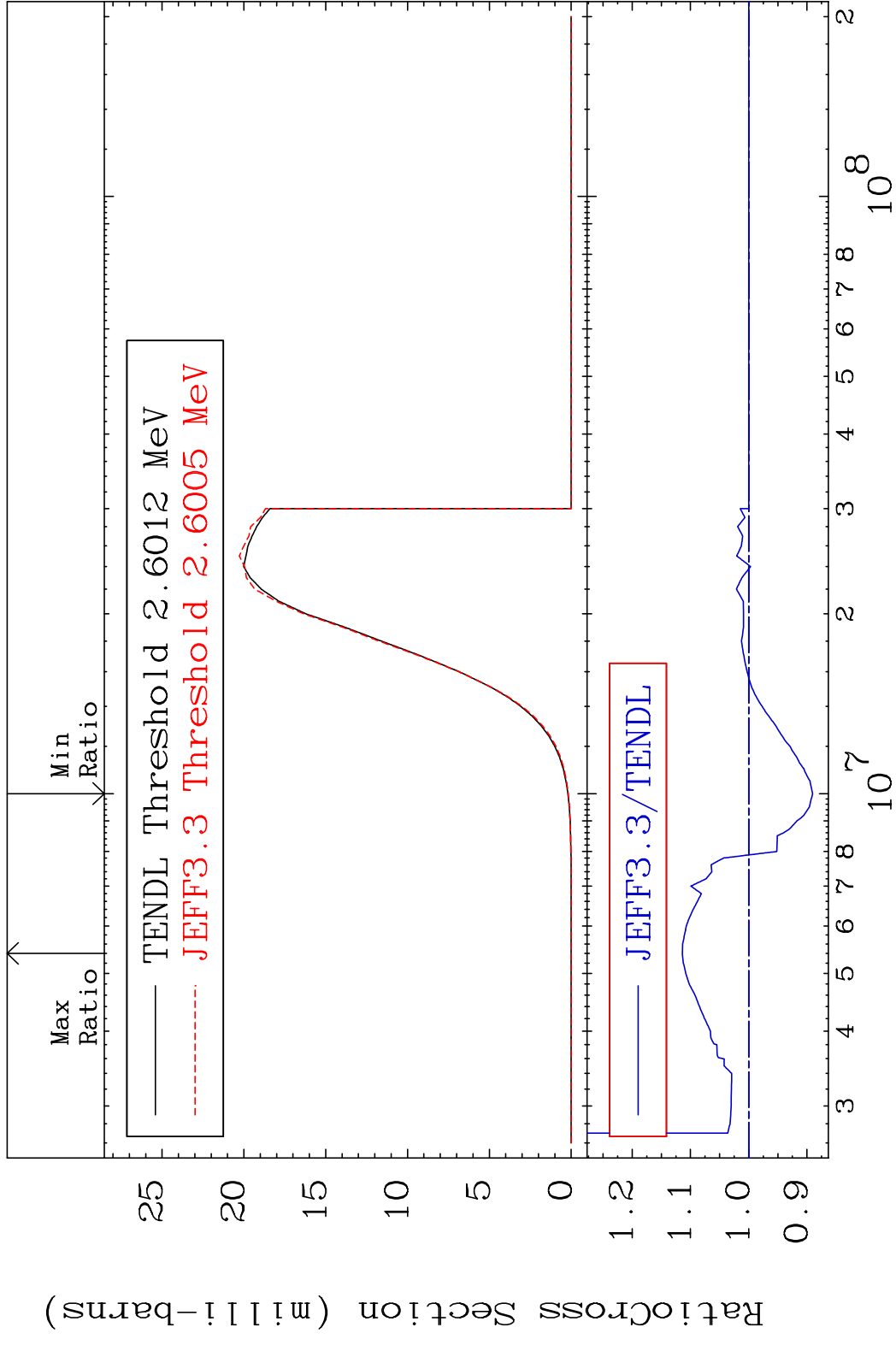


MAT 5052 (n,2n) p:48-Cd-119g 50-Sn-121
 Radionuclide Production Cross Section 180.01 dth 2134. %



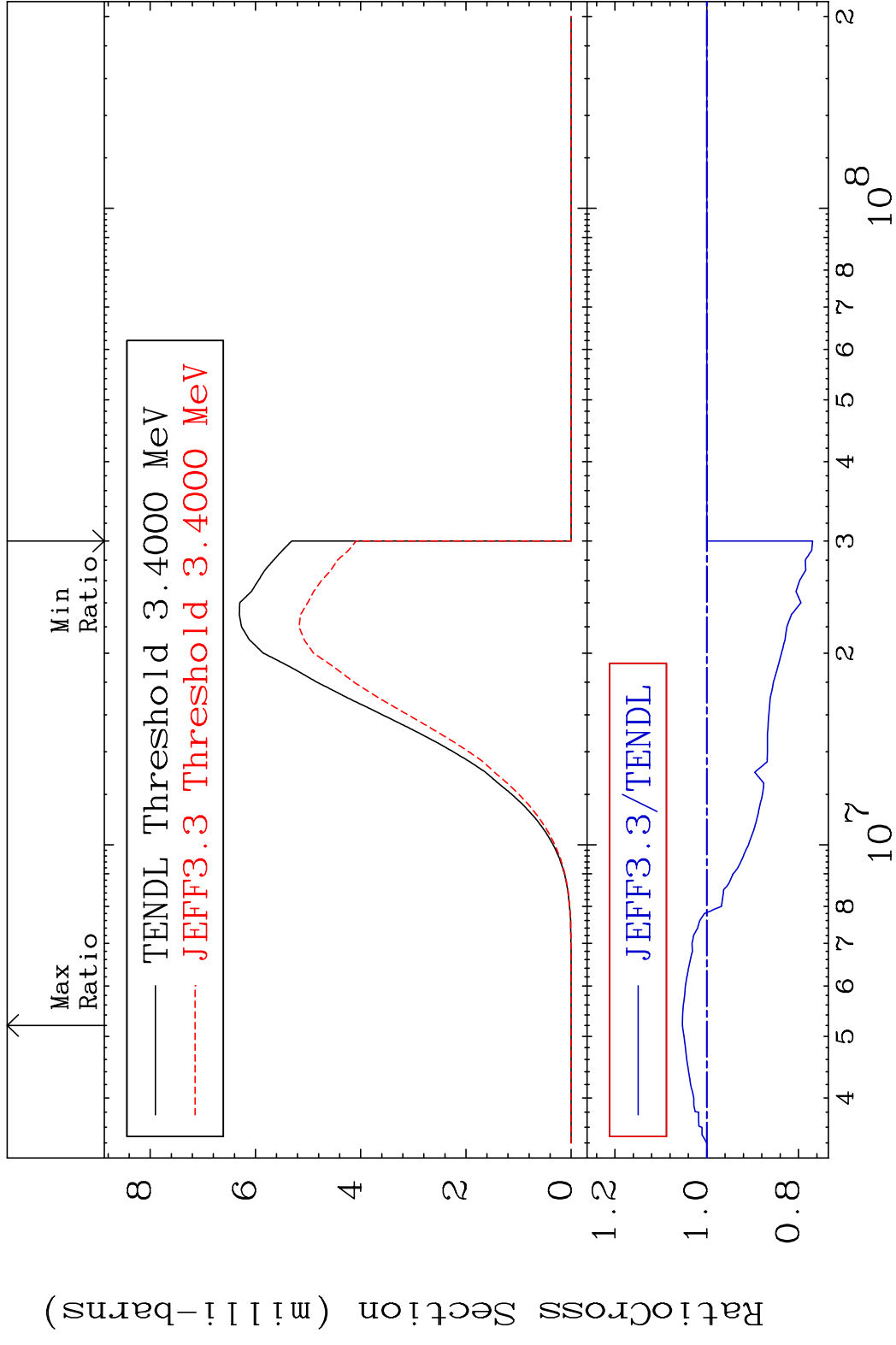


MAT 5052 (n,p):49-In-121g 50-Sn-121
 Radionuclide Production Cross Section 18.96 mb 11.39 %

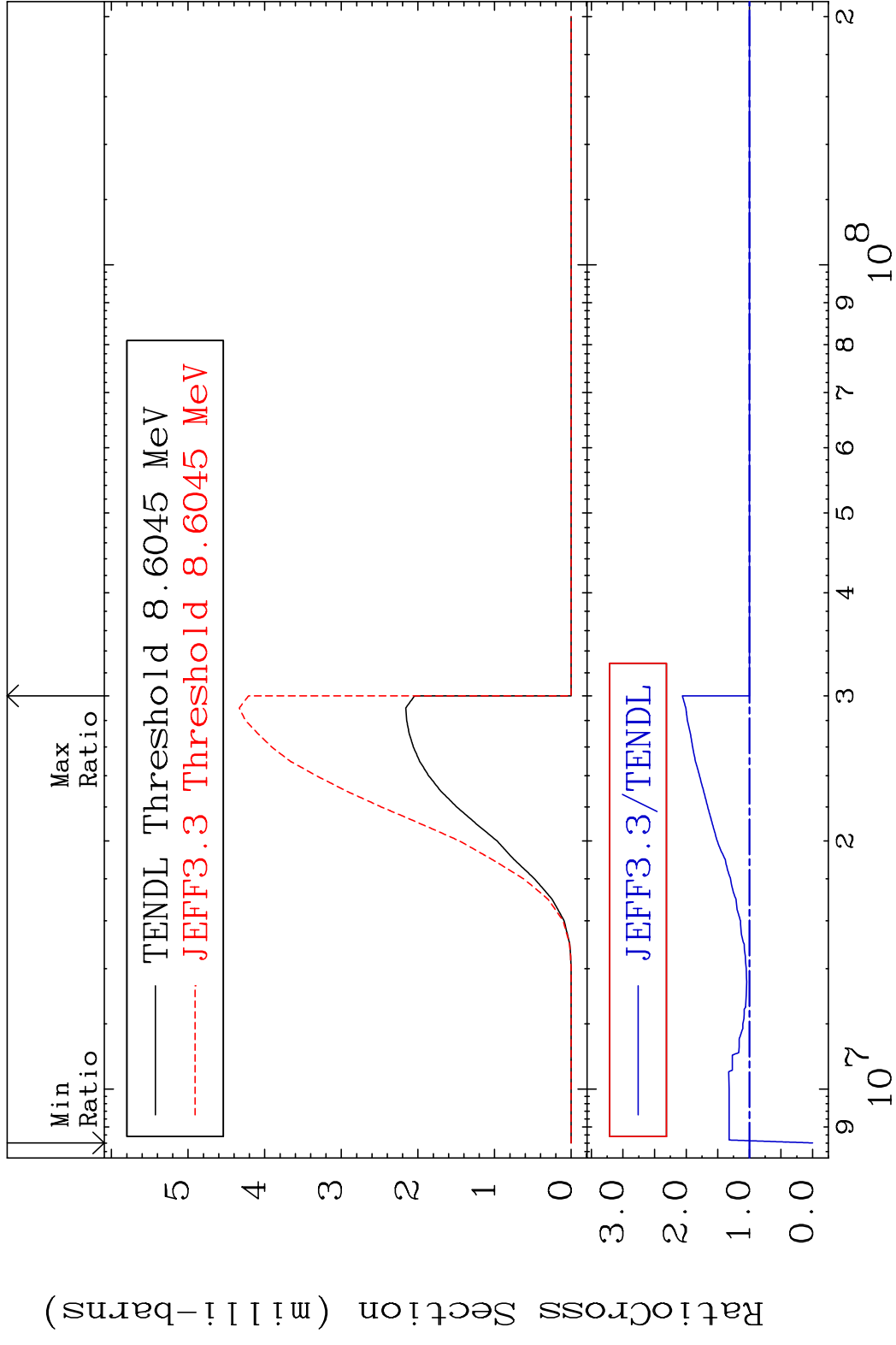


100 Incident Energy (eV) 50-Sn-121

MAT 5052 (n,p):49-In-121m1 50-Sn-121
 Radionuclide Production Cross Section 5.322 %

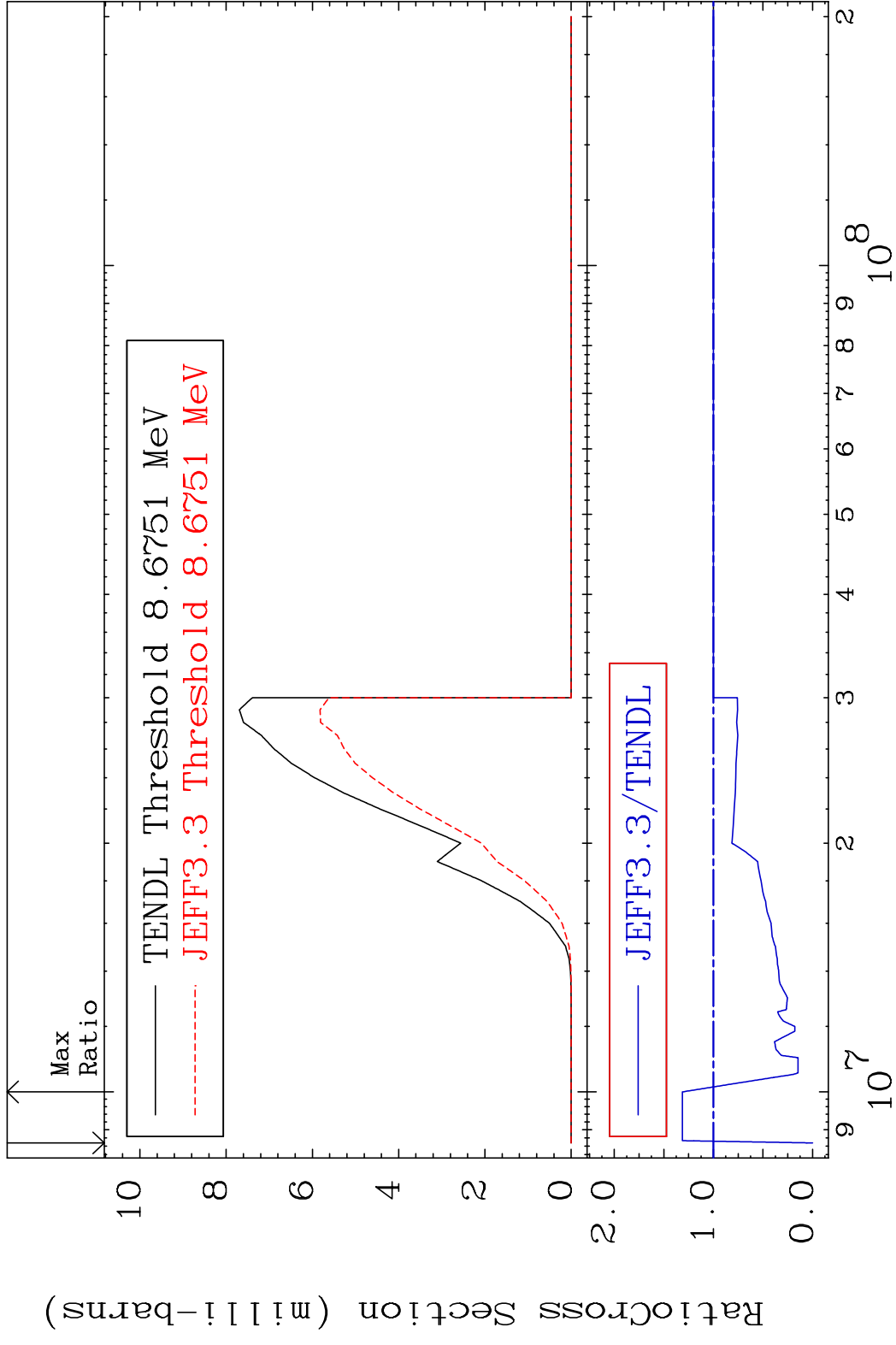


MAT 5052 (n, d): 49-In-120g 50-Sn-121
 Radionuclide Production Cross Section 100.0 %
 Ratio 106.0 %



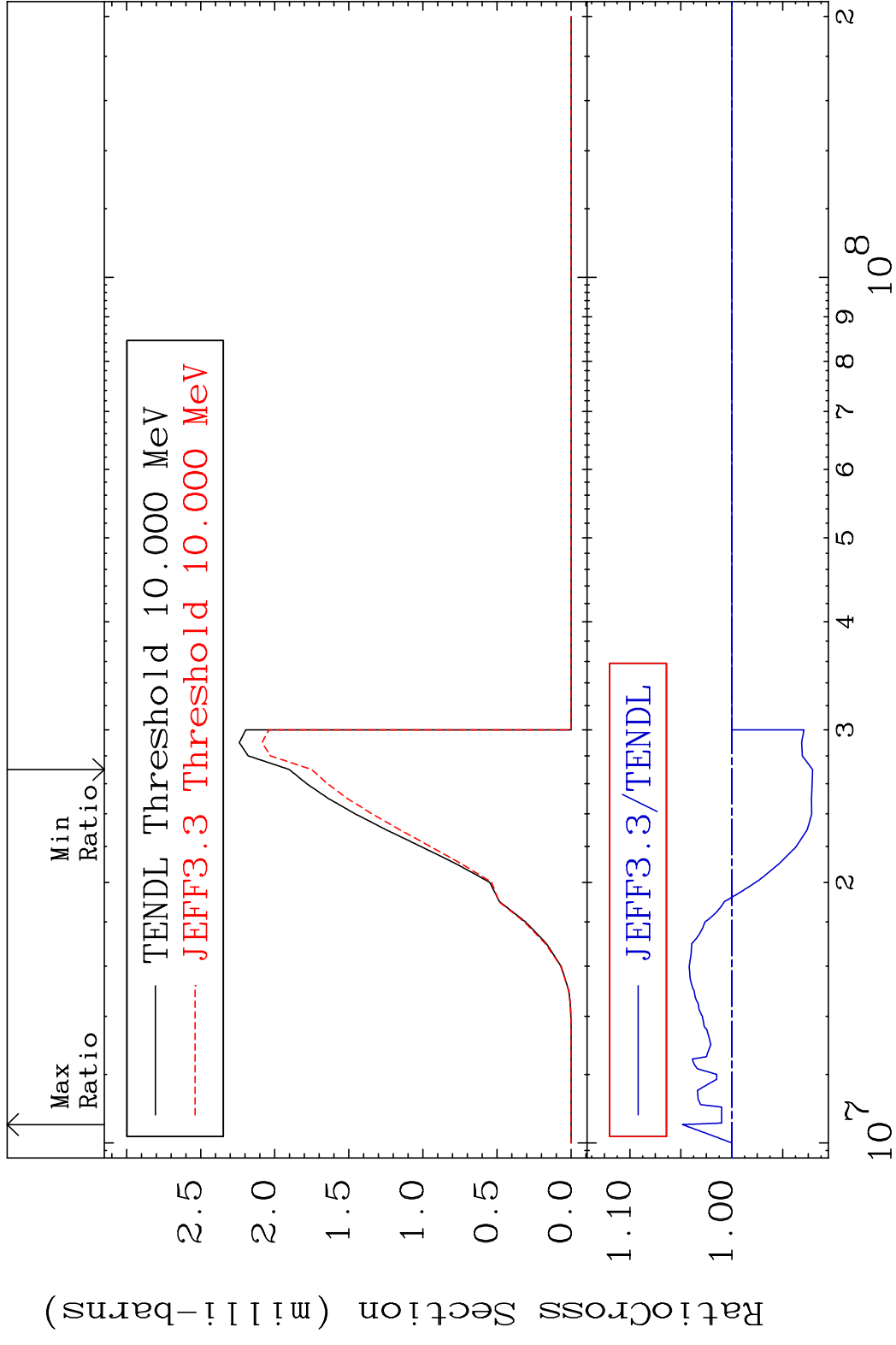
102 Incident Energy (eV) 50-Sn-121

MAT 5052 (n, d): 49-In-120m1 50-Sn-121
 Radionuclide Production Cross Section 100.00 % 31.35 %



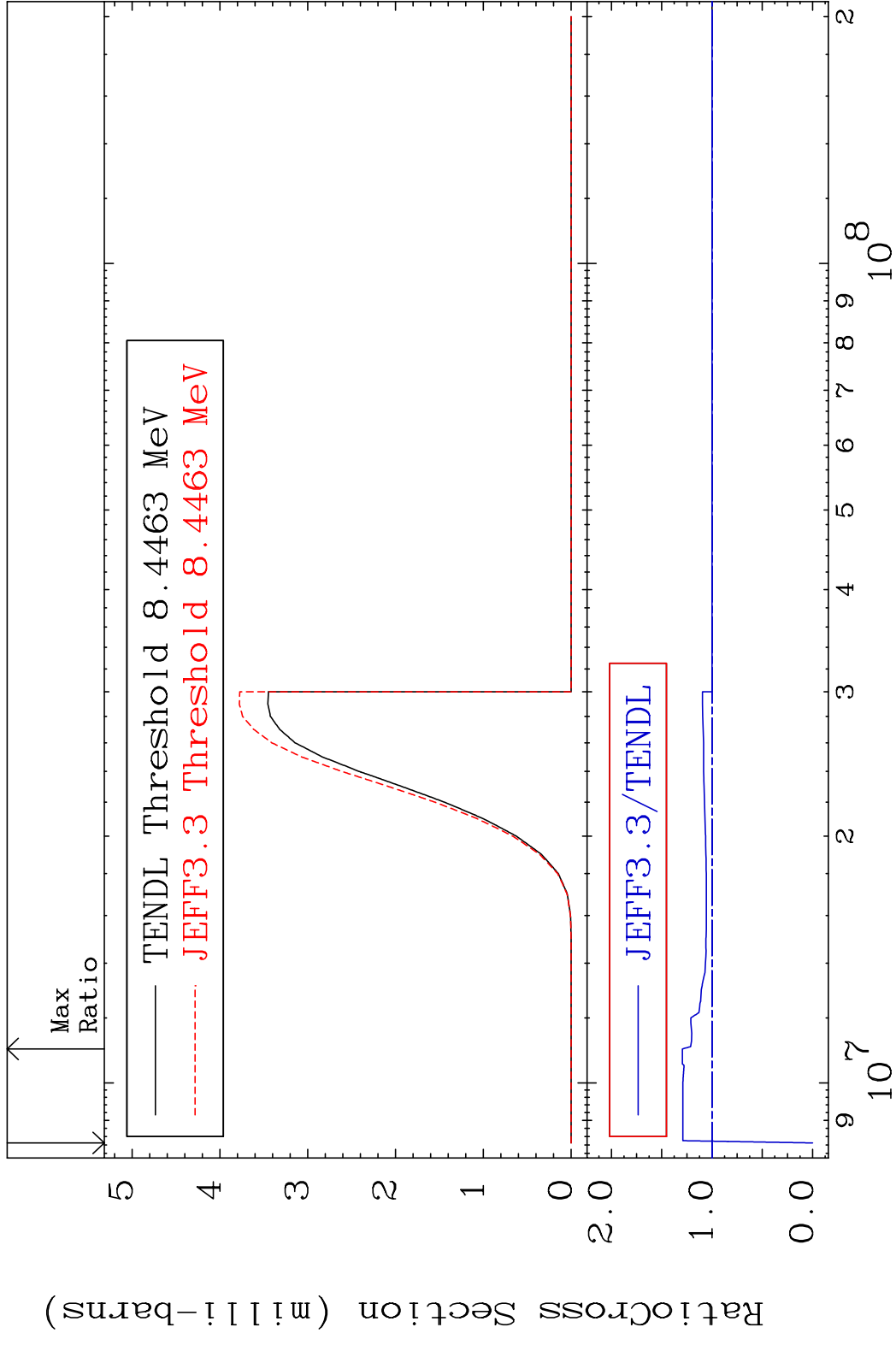
103 Incident Energy (eV) 50-Sn-121

MAT 5052 (n,d):49-In-120m2 50-Sn-121
 Radionuclide Production Cross Section 4.851 %



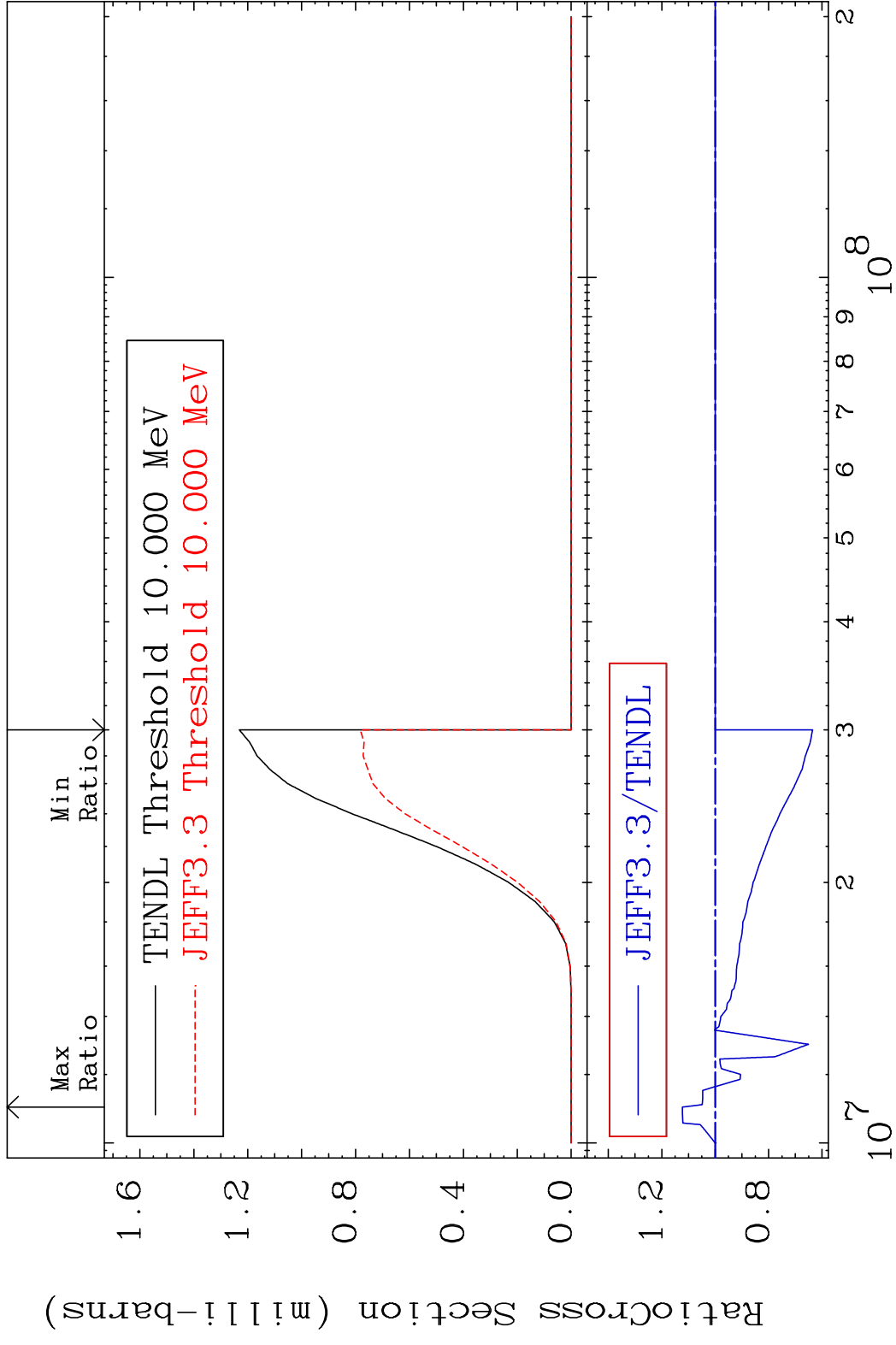
104 Incident Energy (eV) 50-Sn-121

MAT 5052 (n,t):49-In-119g 50-Sn-121
 Radionuclide Production Cross Section 100% 29.48 %



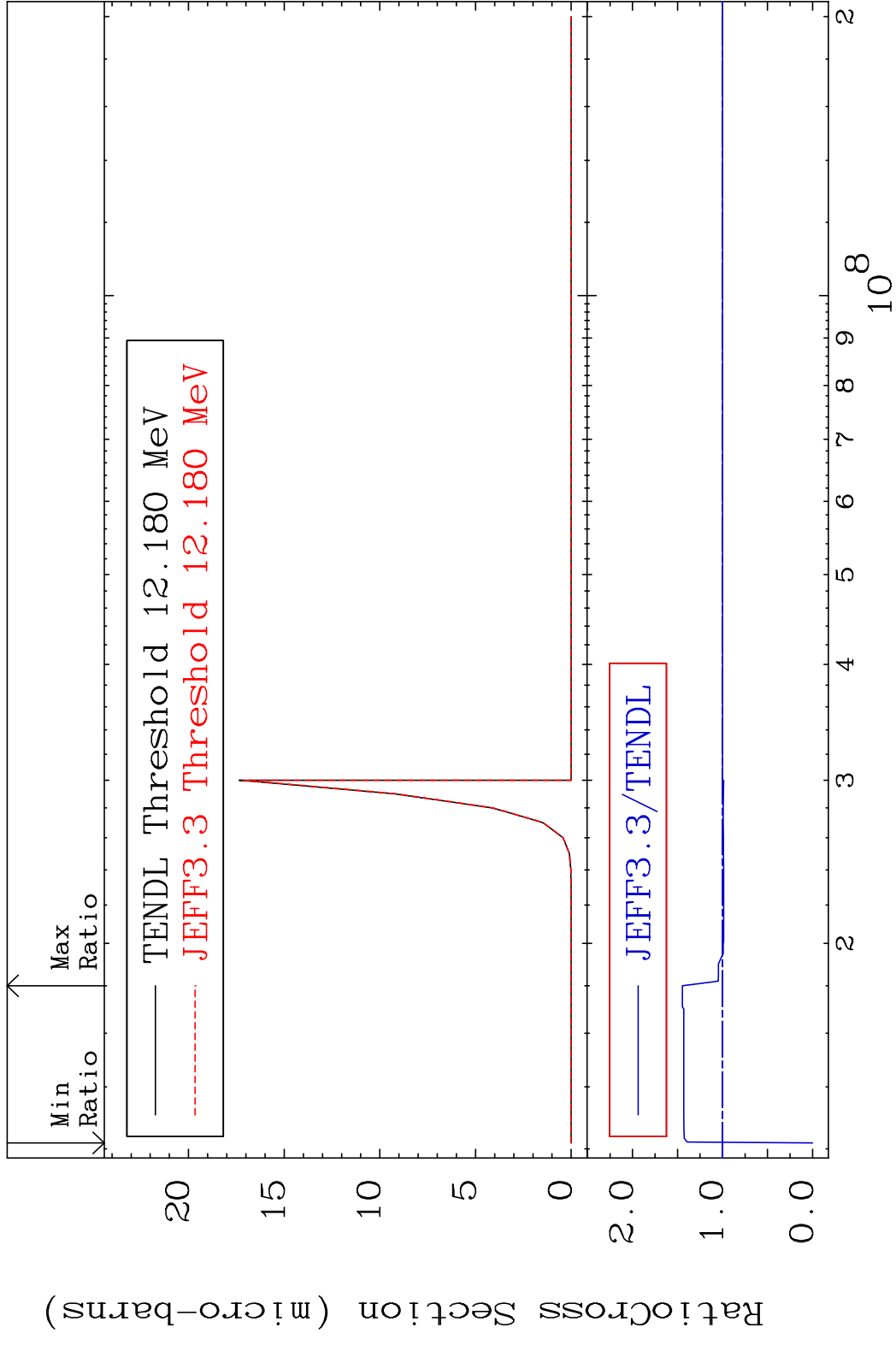
105 Incident Energy (eV) 50-Sn-121

MAT 5052 (n, t): 49-In-119m1 50-Sn-121
 Radionuclide Production Cross Section 36.4410 12.29 %

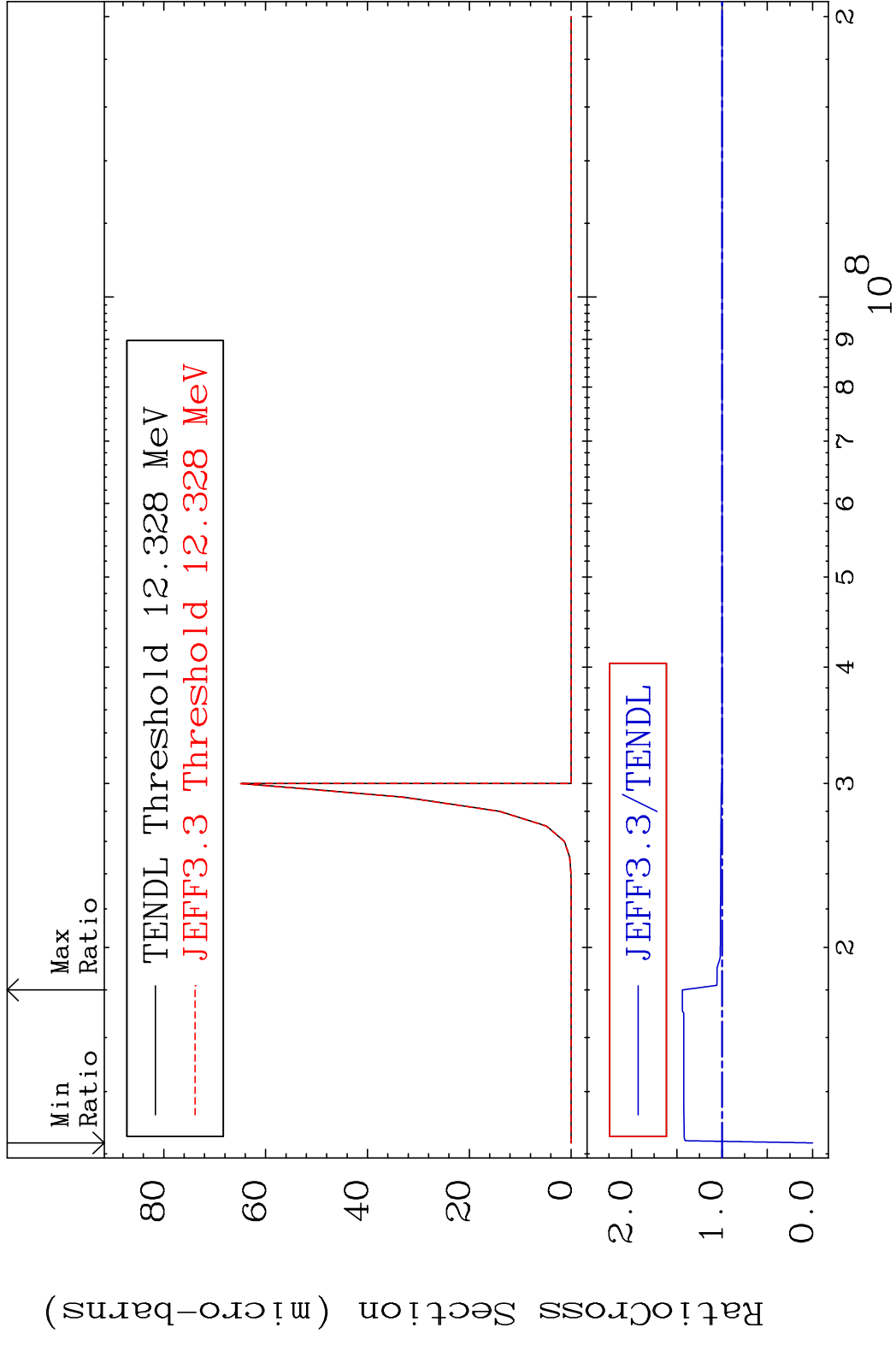


106 Incident Energy (eV) 50-Sn-121

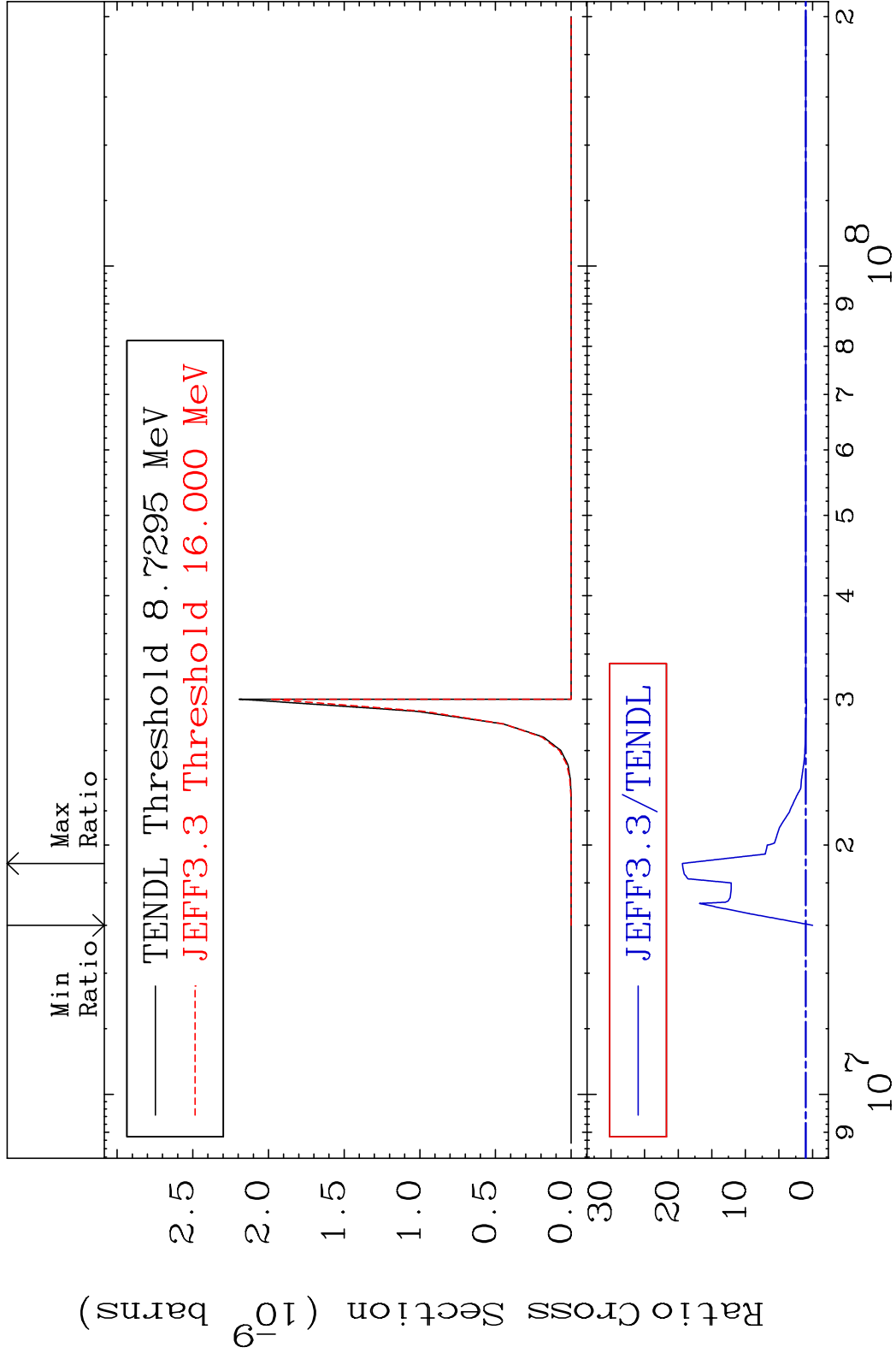
MAT 5052 (n, He-3): 48-Cd-119g 50-Sn-121
 Radionuclide Production Cross Section 180.01 dpo 44.62 %



MAT 5052 (n,He-3):48-Cd-119m2 50-Sn-121
 Radionuclide Production Cross Section 180.01 dth 43.89 %

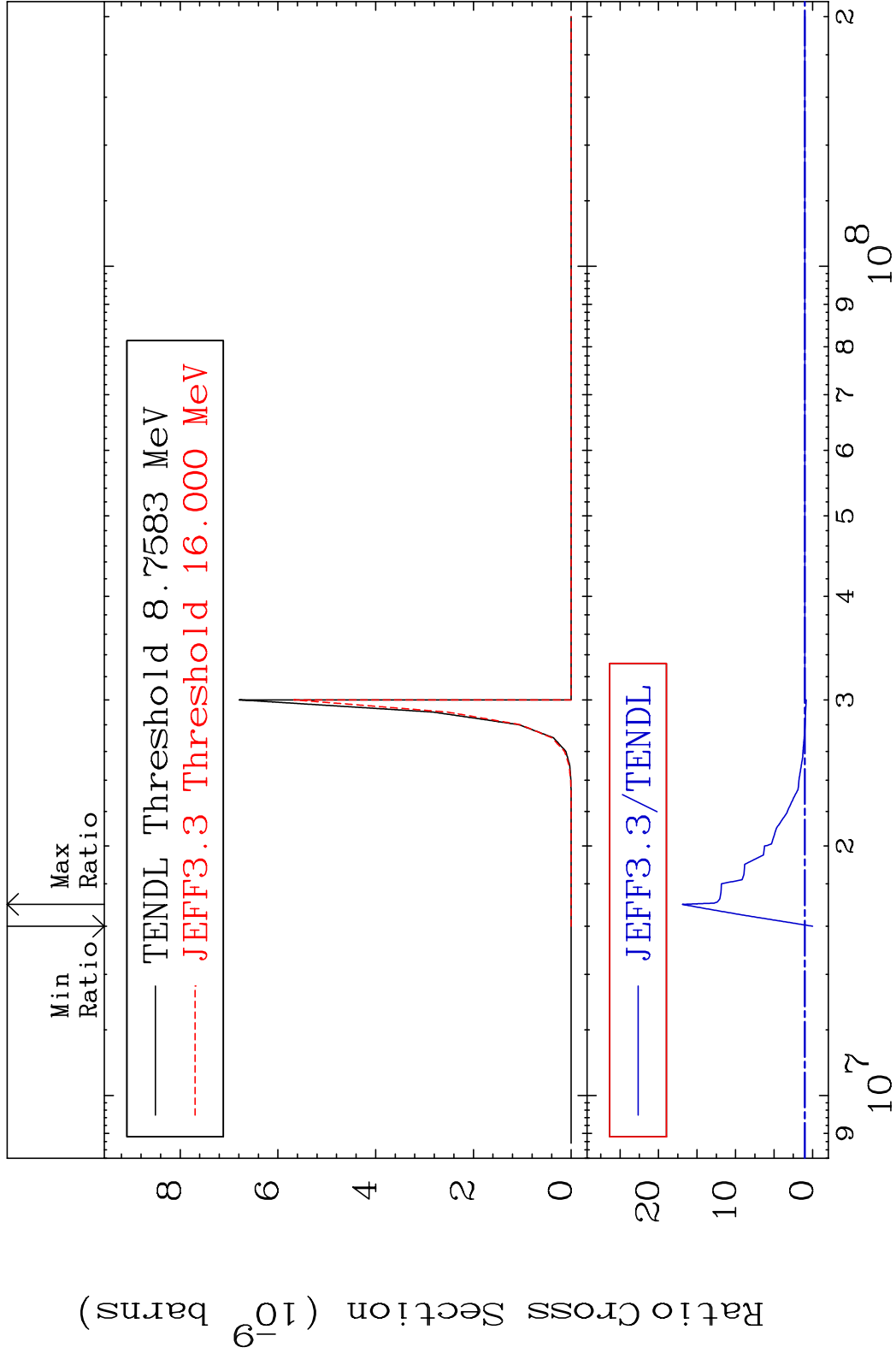


MAT 5052 (n,p) α :47-Ag-117g 50-Sn-121
 Radionuclide Production Cross Section 1838.0 dth 1838. %



109 Incident Energy (eV) 50-Sn-121

MAT 5052 (n,p) α :47-Ag-117m1 50-Sn-121
 Radionuclide Production Cross Section 1591.0 dpo 1591.0 %



110 Incident Energy (eV) 50-Sn-121