

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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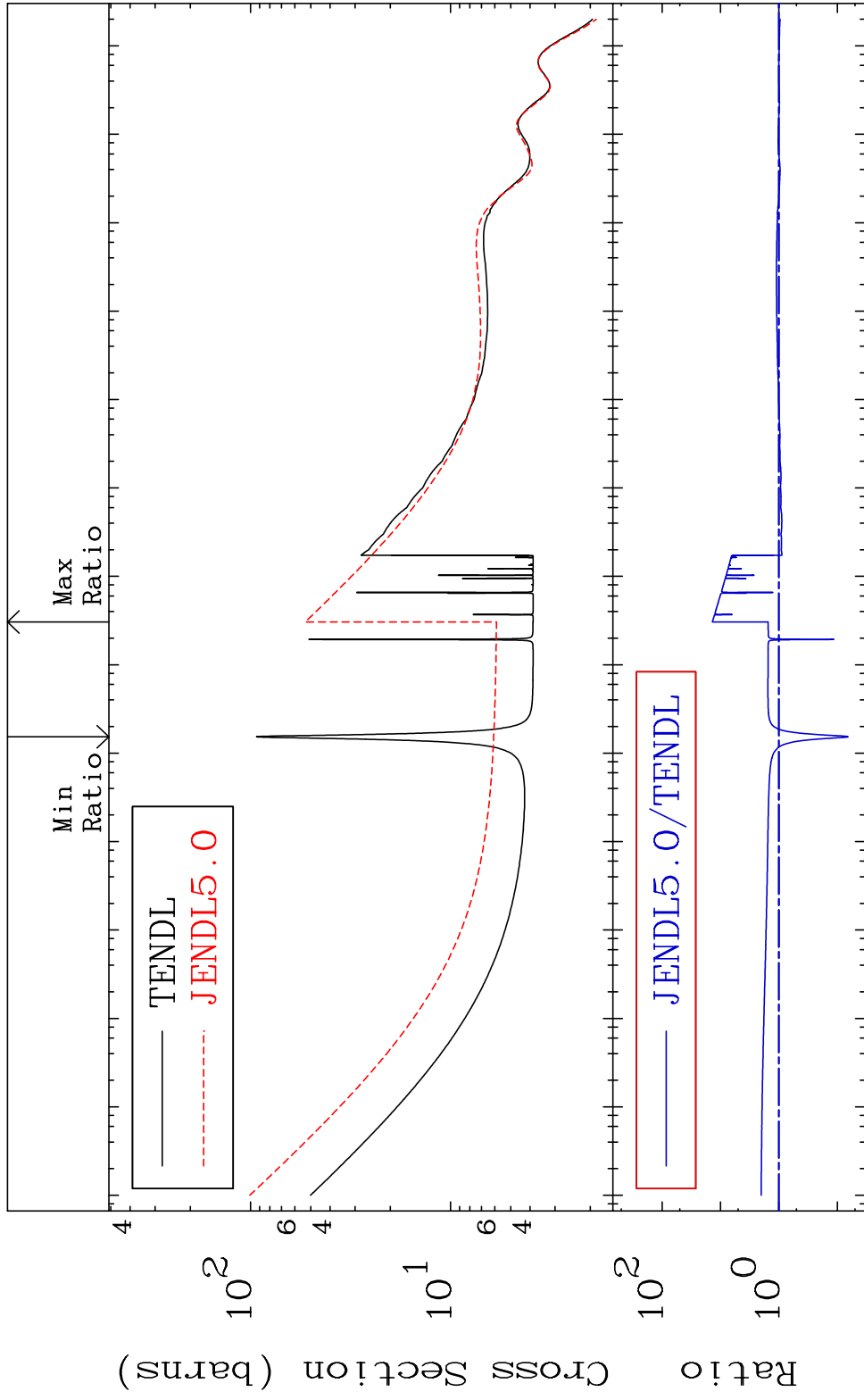
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5041

Total Cross Section

50-Sn-117m -93.51 To 1278. %



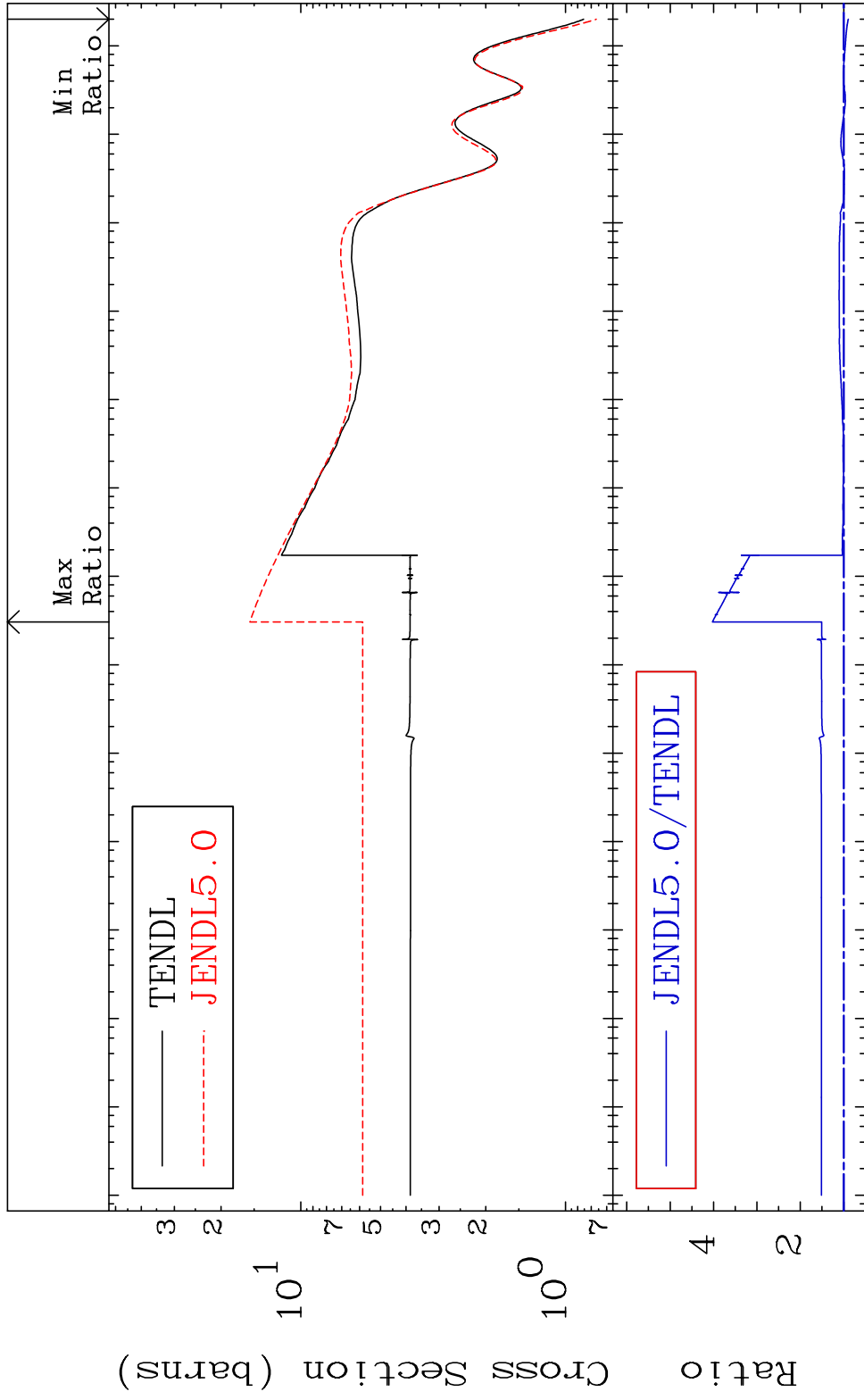
Incident Energy (eV) 50-Sn-117m

MAT 5041

Elastic

50-Sn-117m

Cross Section -10.54 To 302.7 %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

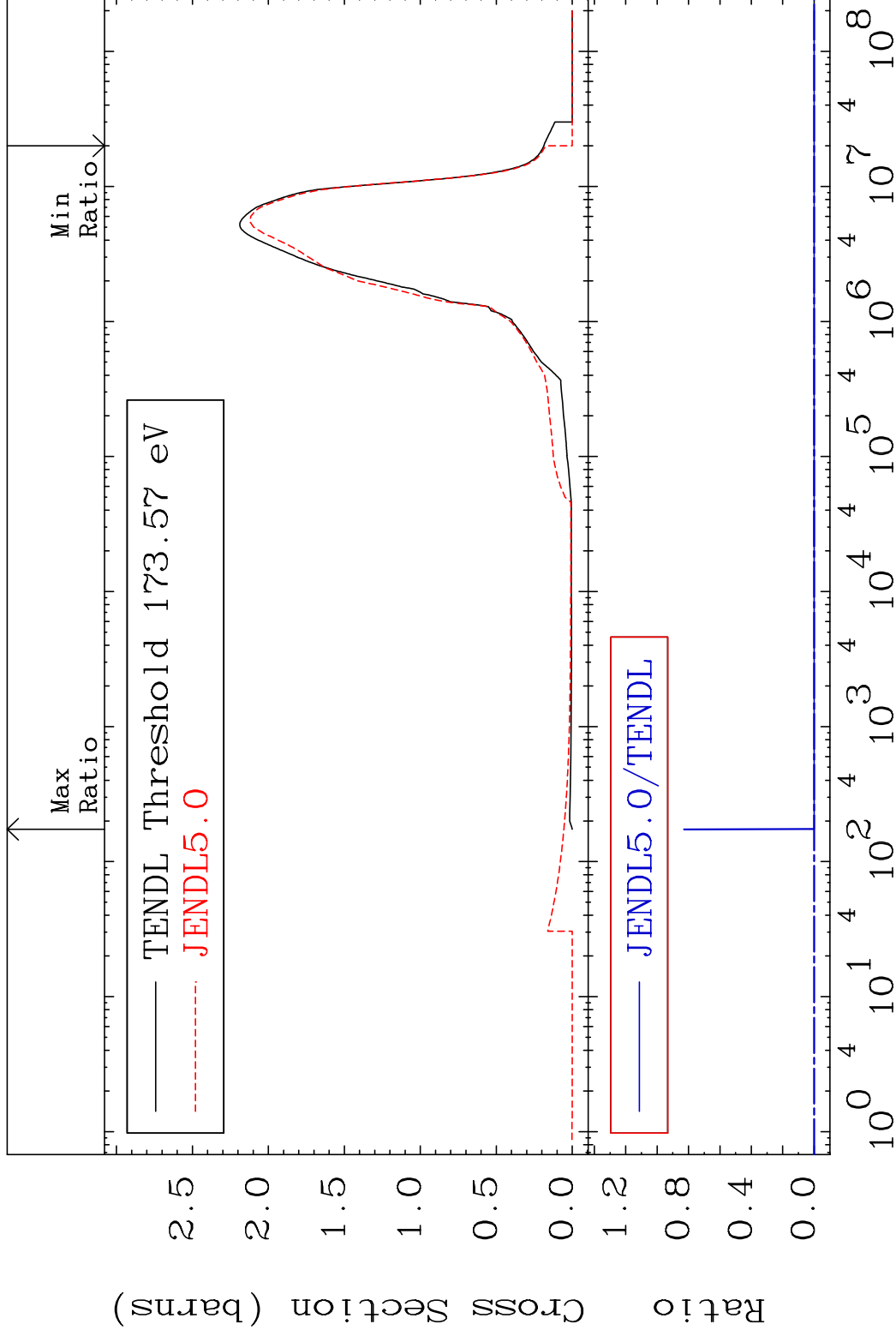
50-Sn-117m

MAT 5041

Inelastic

50-Sn-117m

Cross Section -100.0 To 9999. %

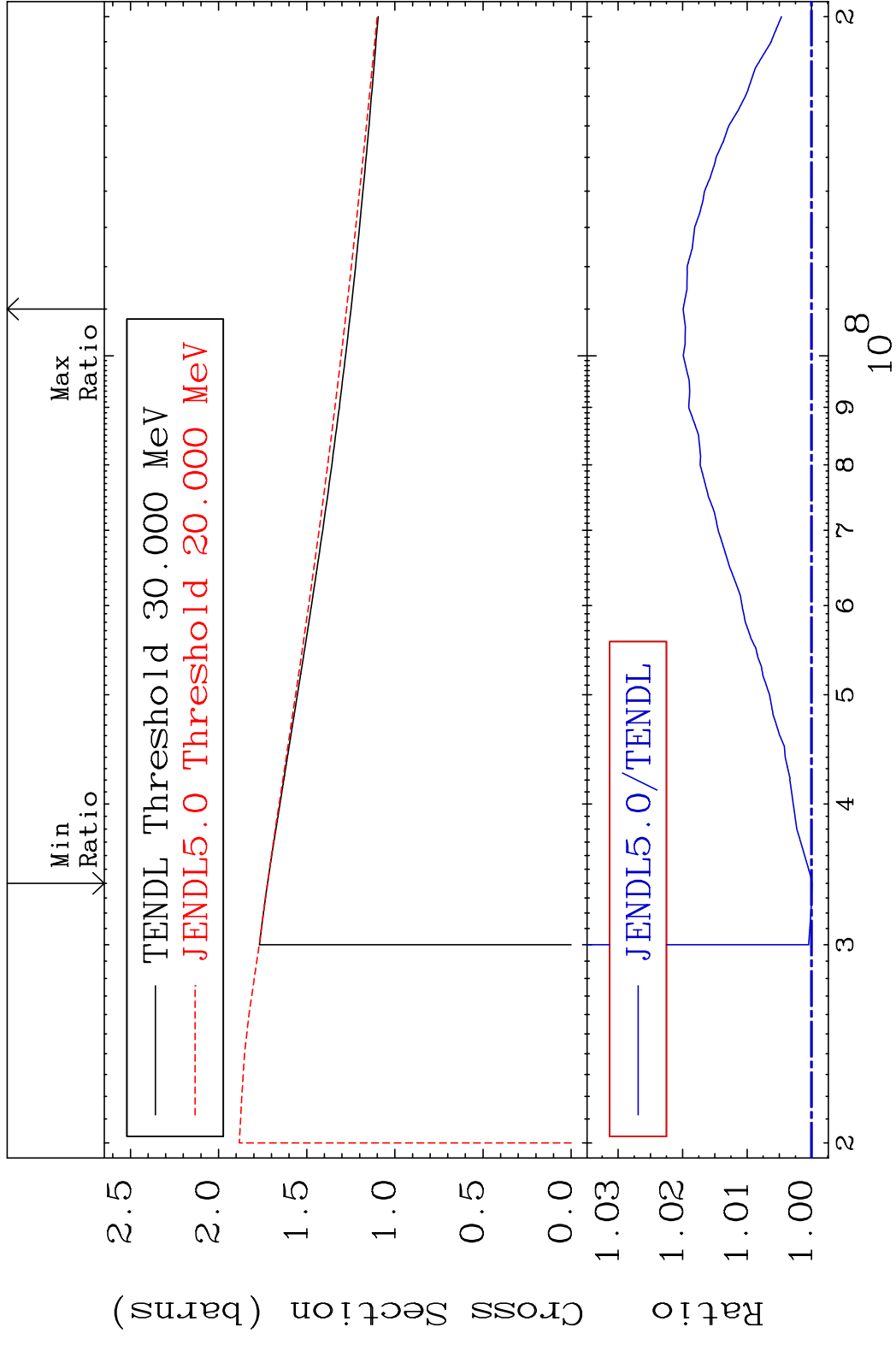


3

Incident Energy (eV)

50-Sn-117m

MAT 5041 (n, remainder) 50-Sn-117m
 Cross Section -0.005 To 1.992 %



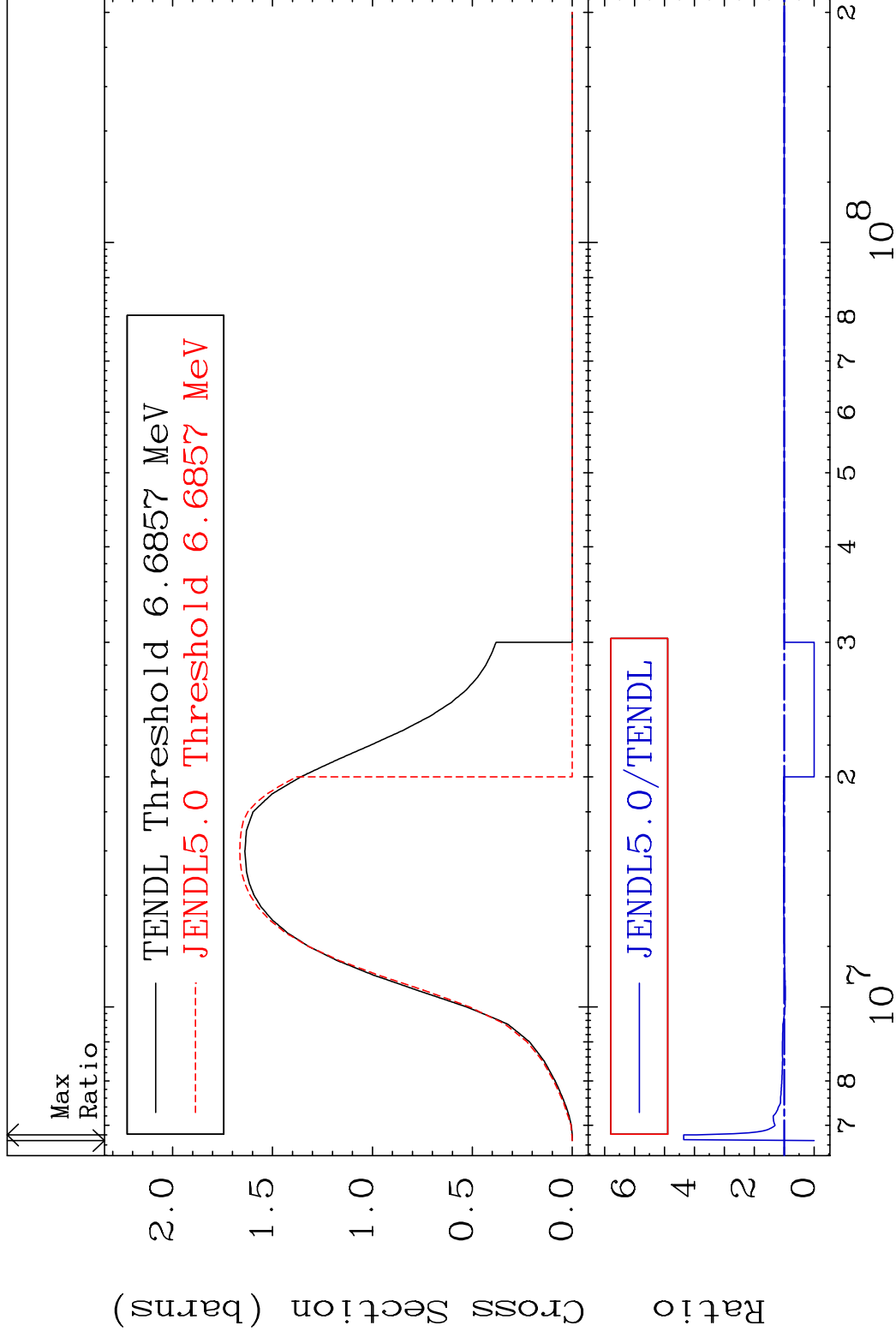
4 Incident Energy (eV) 50-Sn-117m

MAT 5041

(n,2n)

50-Sn-117m

Cross Section -100.0 To 335.8 %



5

Incident Energy (eV)

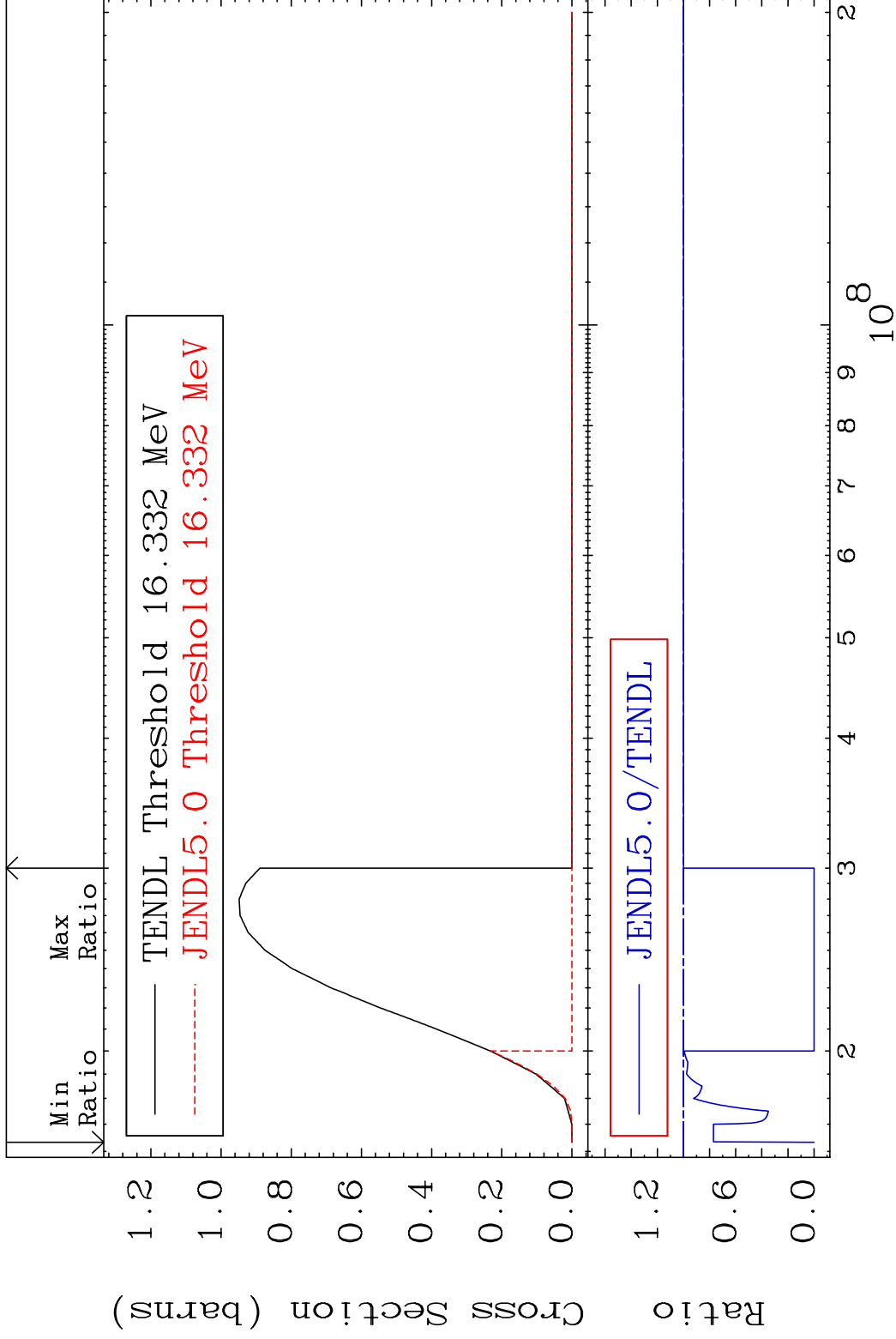
50-Sn-117m

MAT 5041

(n,3n)

50-Sn-117m

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

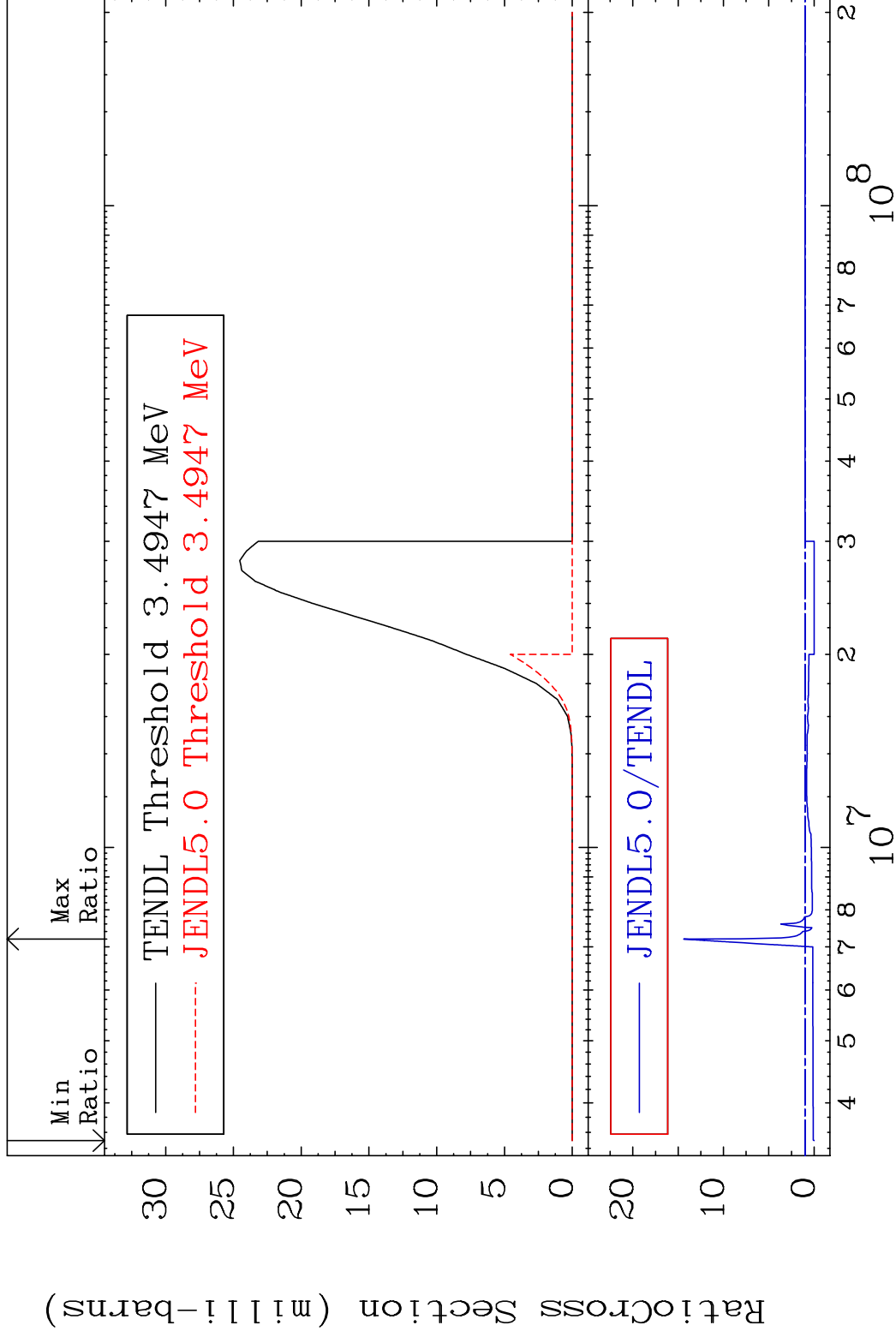
50-Sn-117m

MAT 5041

(n, n') α

50-Sn-117m

Cross Section -100.0 To 1339. %



7

Incident Energy (eV)

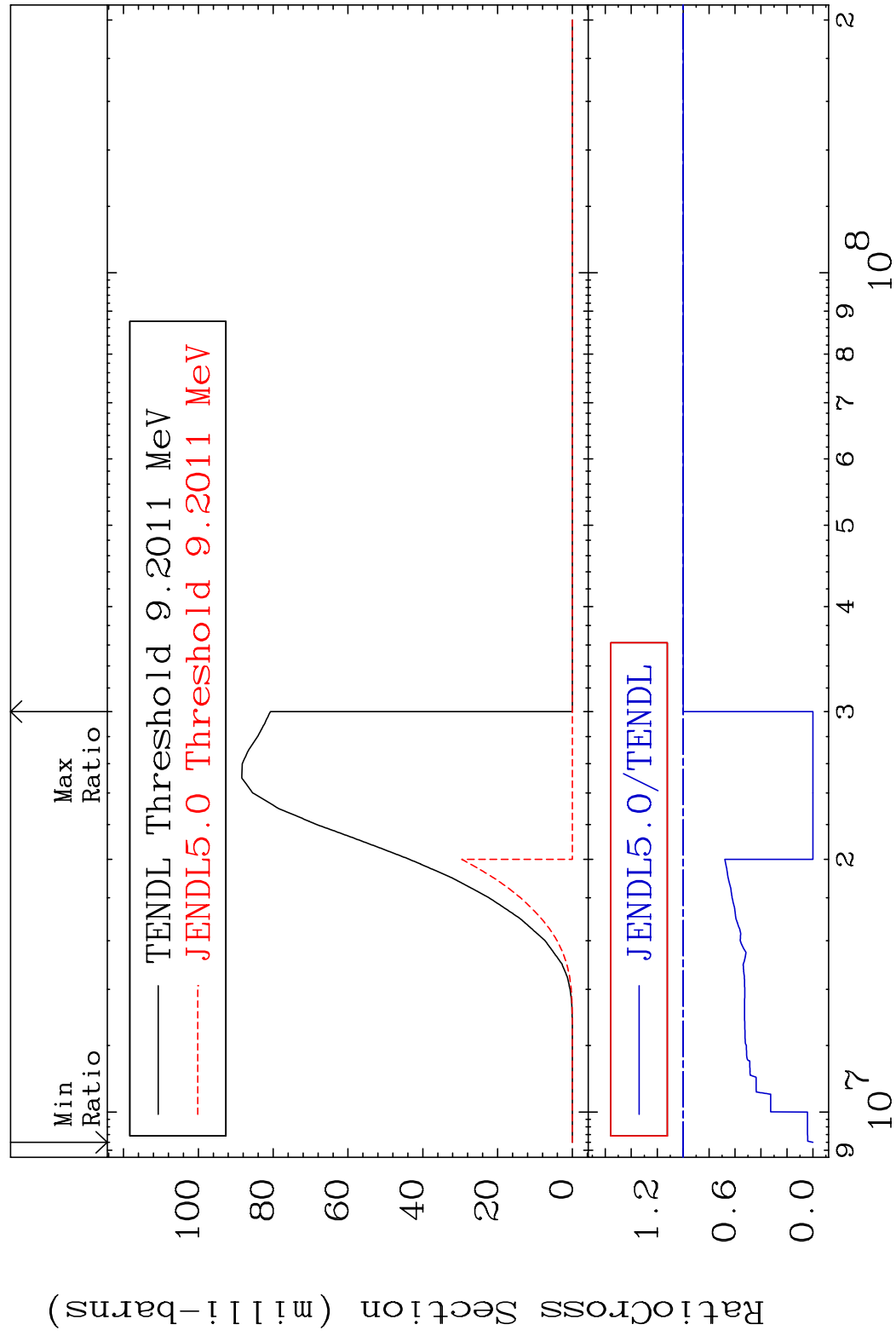
50-Sn-117m

MAT 5041

(n, n') p

50-Sn-117m

Cross Section -100.0 To 0.000 %



8

Incident Energy (eV)

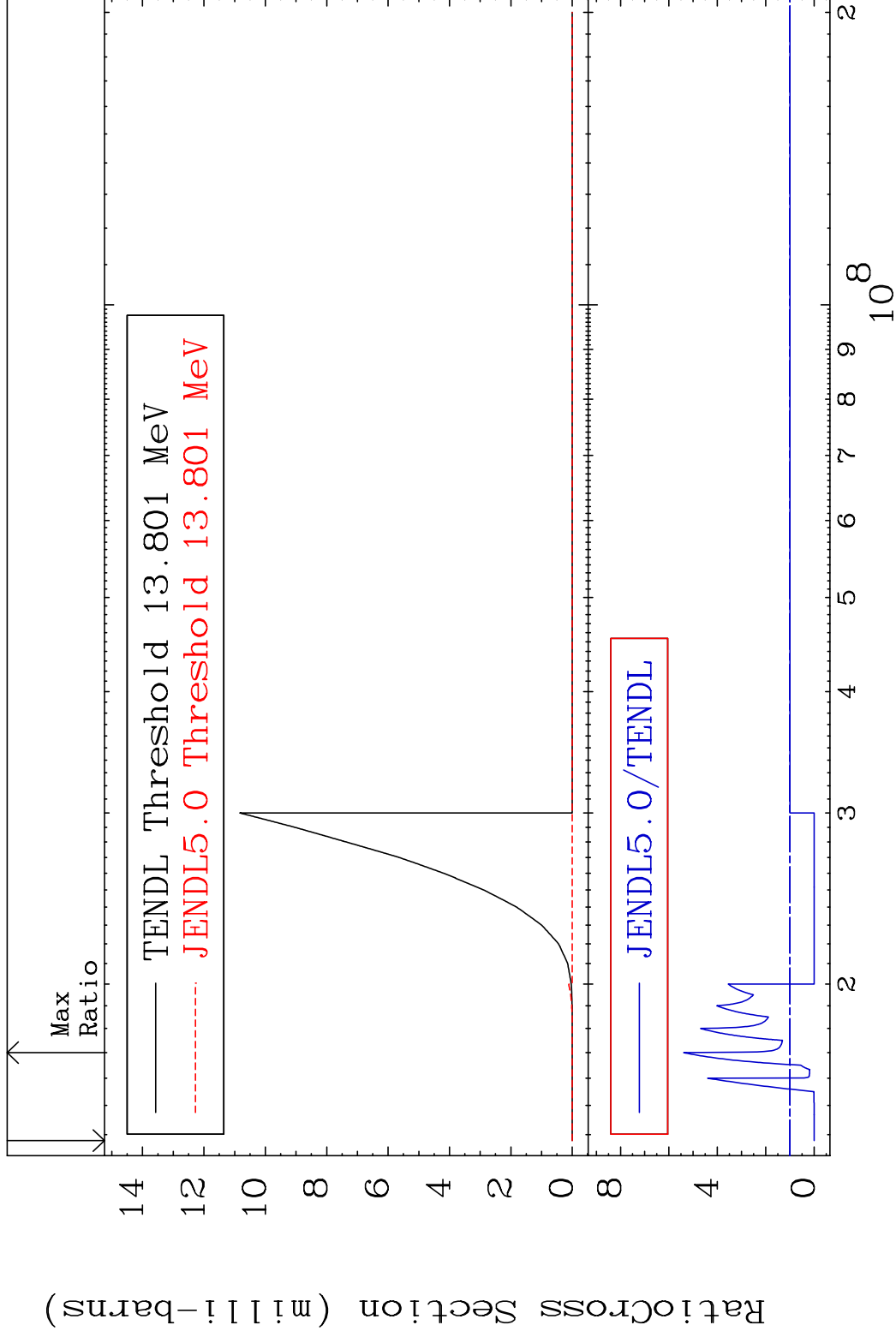
50-Sn-117m

MAT 5041

(n, n') d

50-Sn-117m

Cross Section -100.0 To 439.1 %

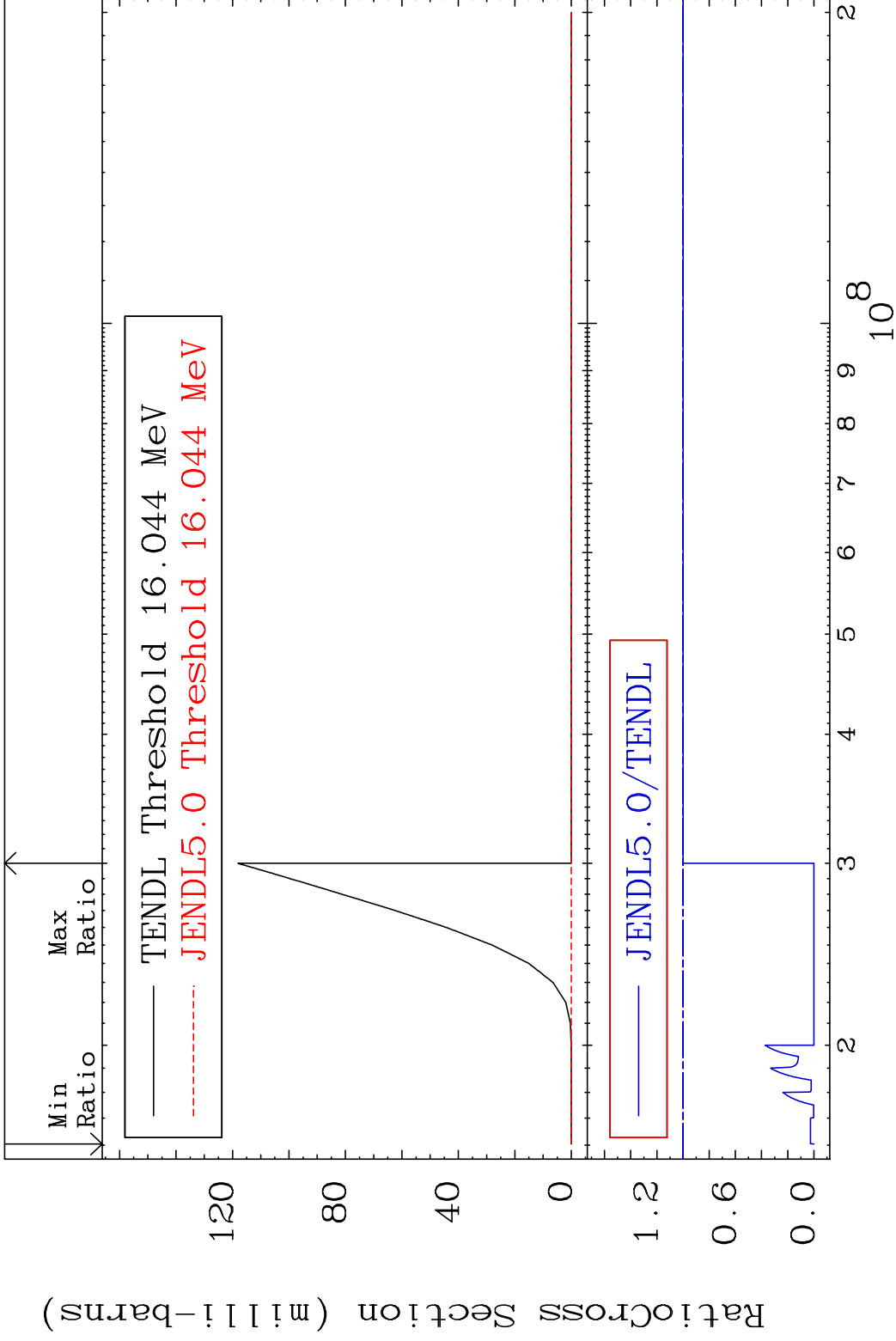


MAT 5041

(n,2n) p

50-Sn-117m

Cross Section -100.0 To 0.000 %

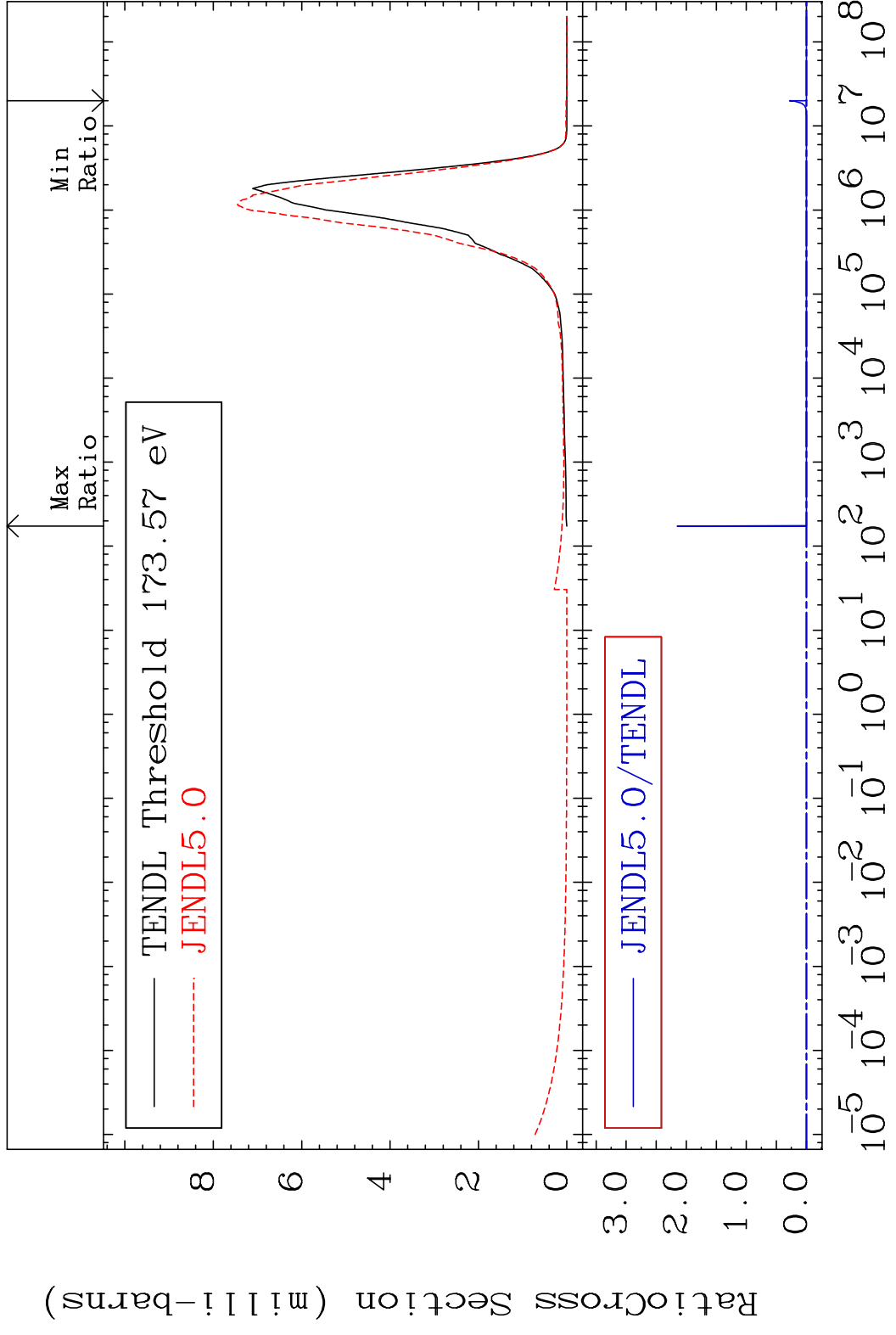


10

Incident Energy (eV)

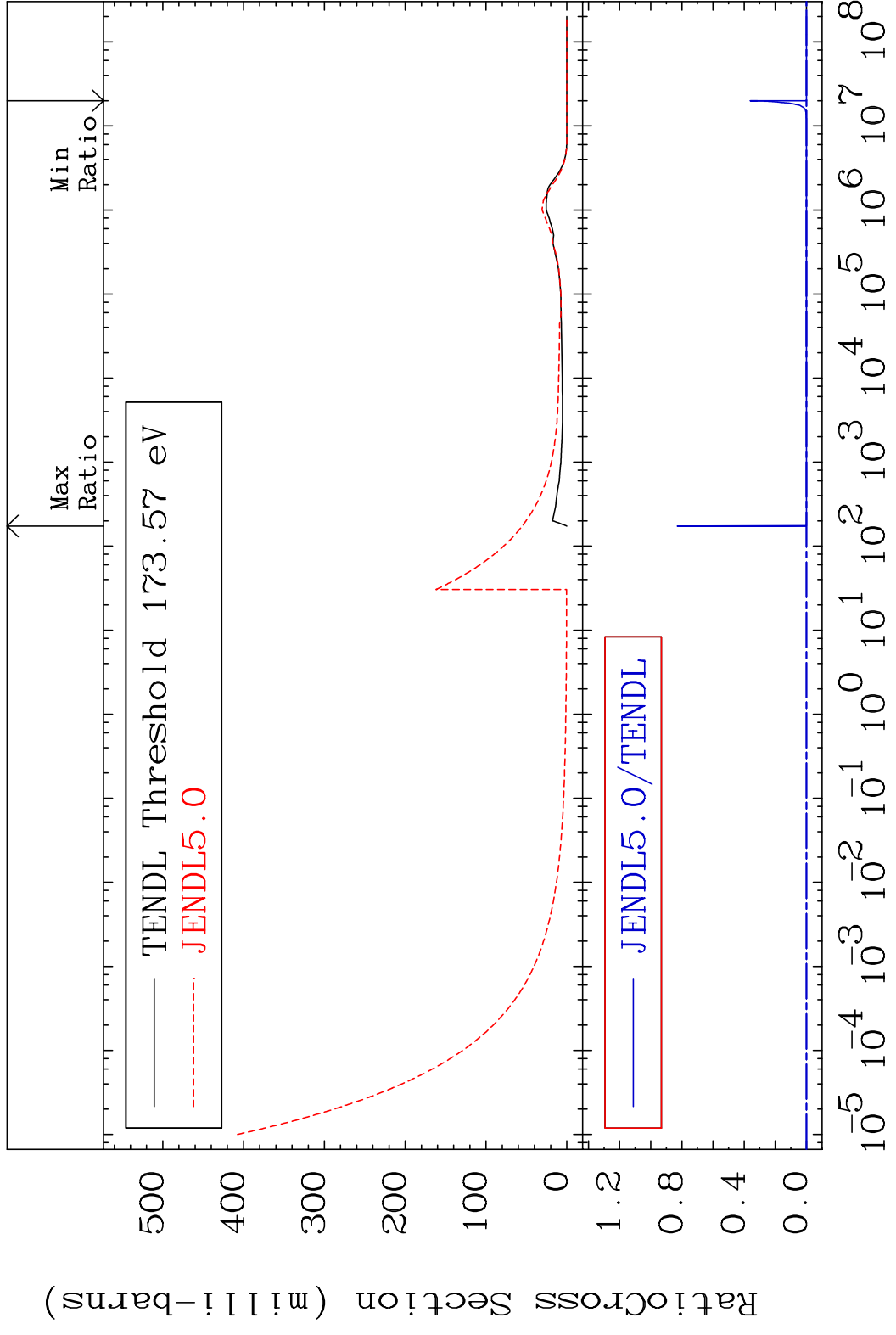
50-Sn-117m

MAT 5041 MT= 51 (n,n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



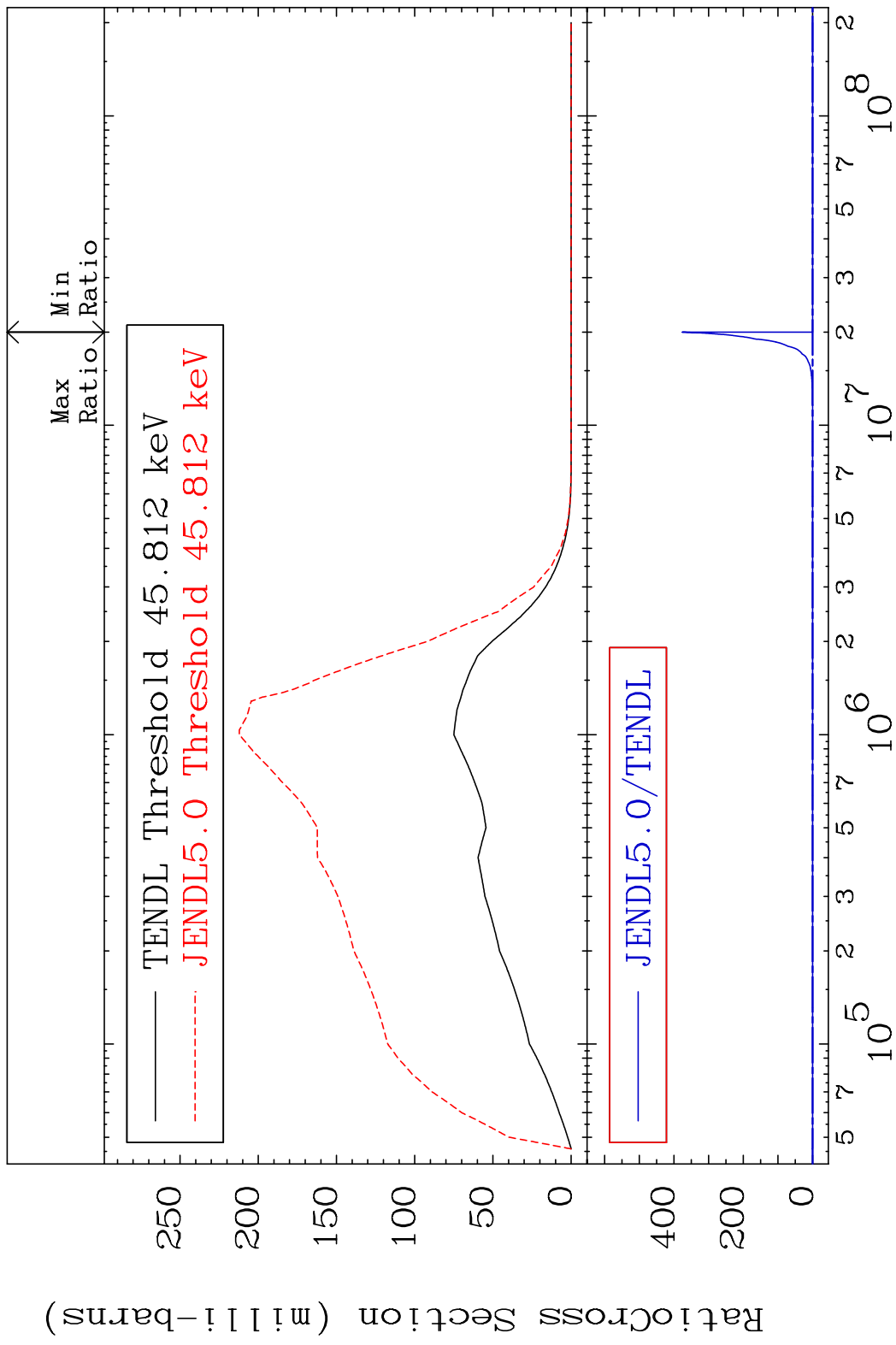
11 Incident Energy (eV) 50-Sn-117m

MAT 5041 MT= 52 (n,n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %

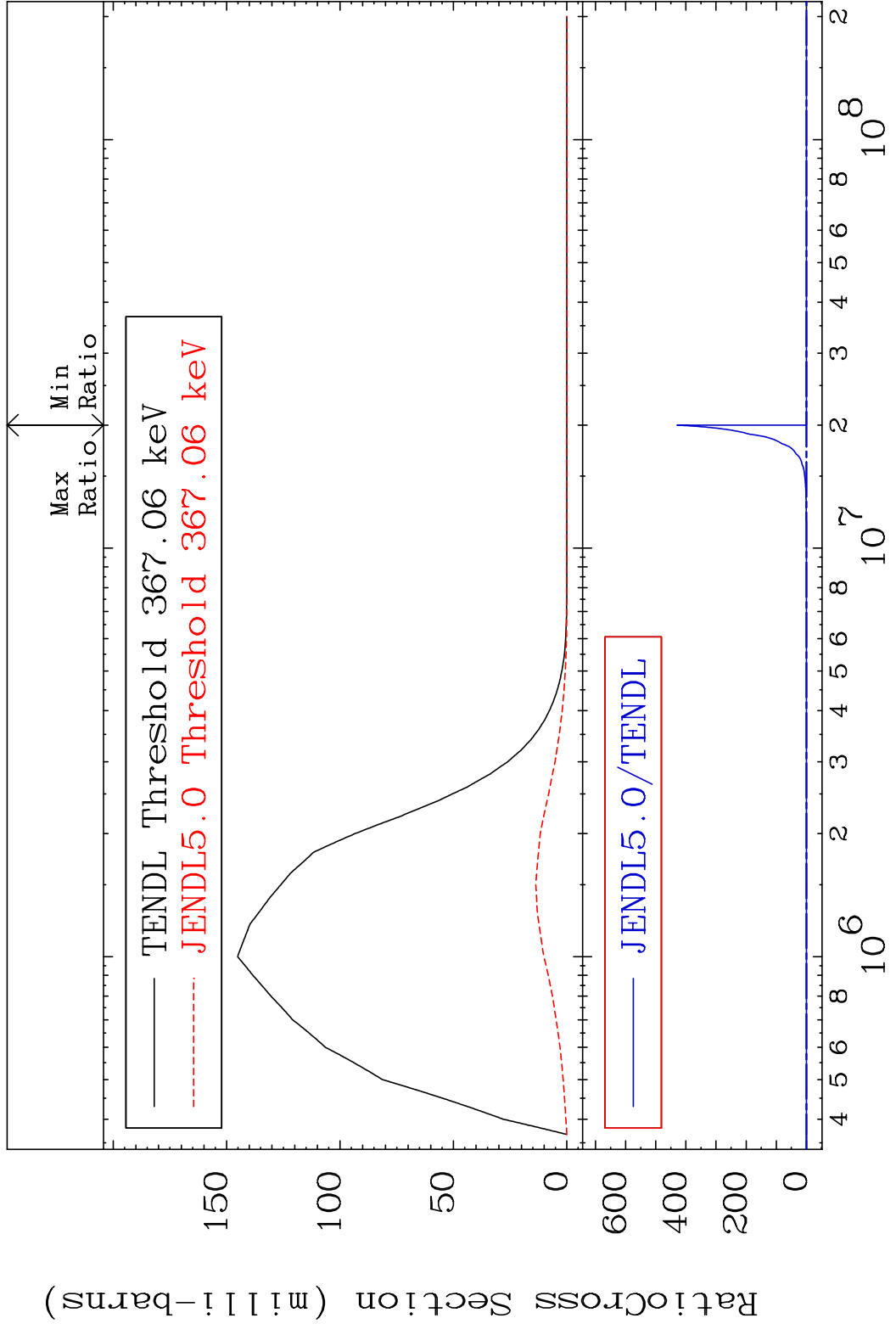


12 Incident Energy (eV) 50-Sn-117m

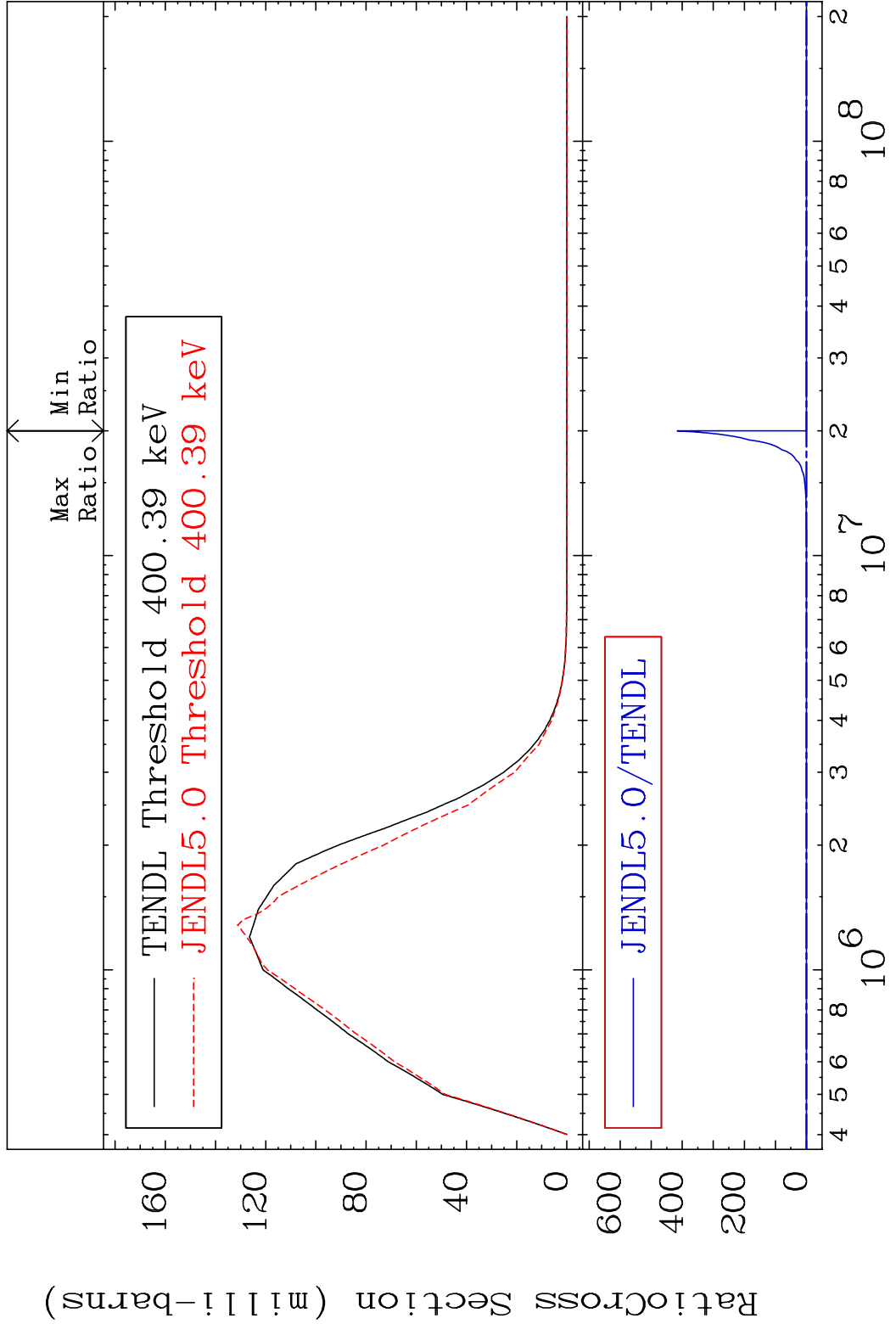
MAT 5041 MT= 53 (n,n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



MAT 5041 MT= 54 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %

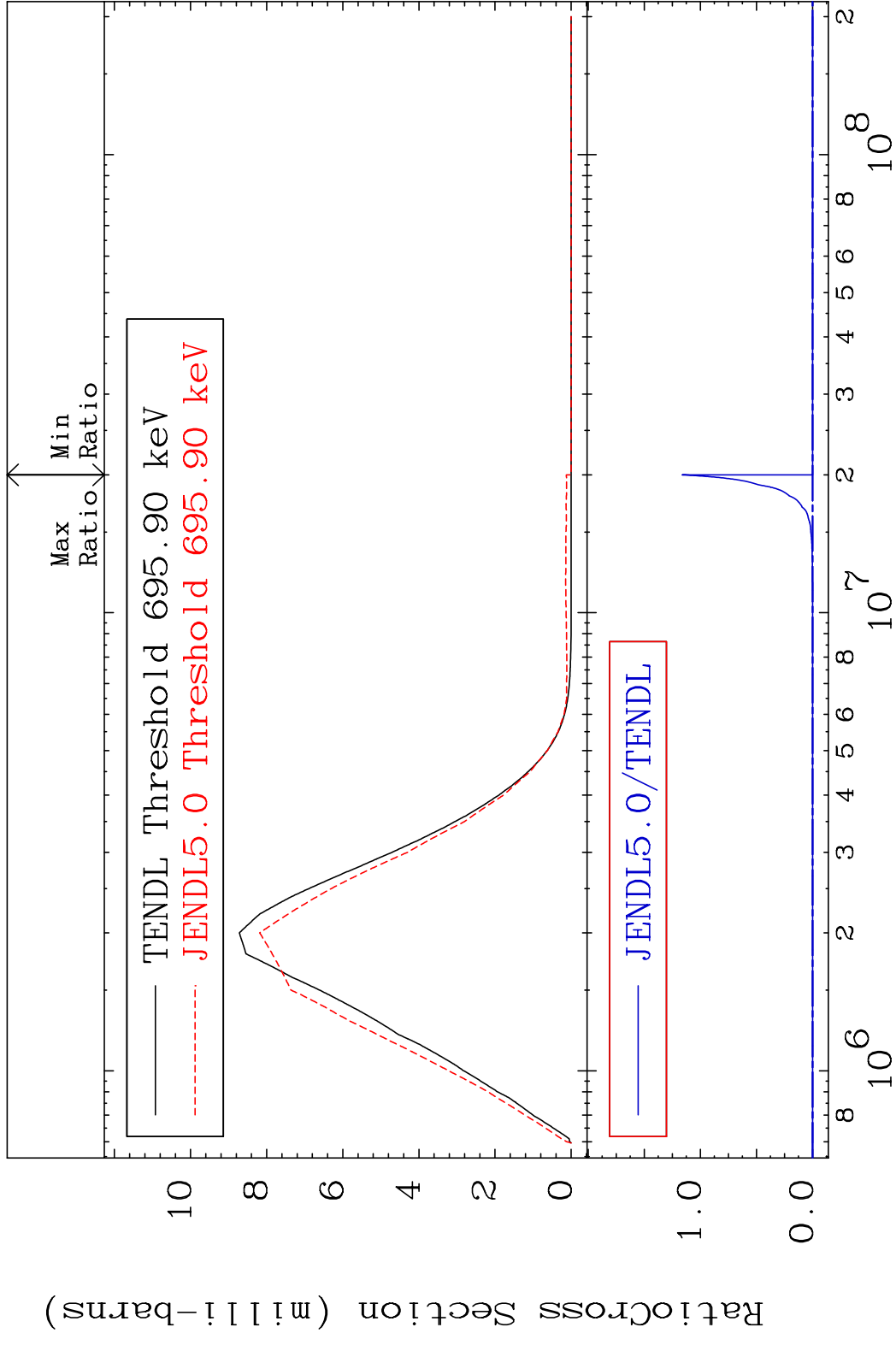


MAT 5041 MT= 55 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



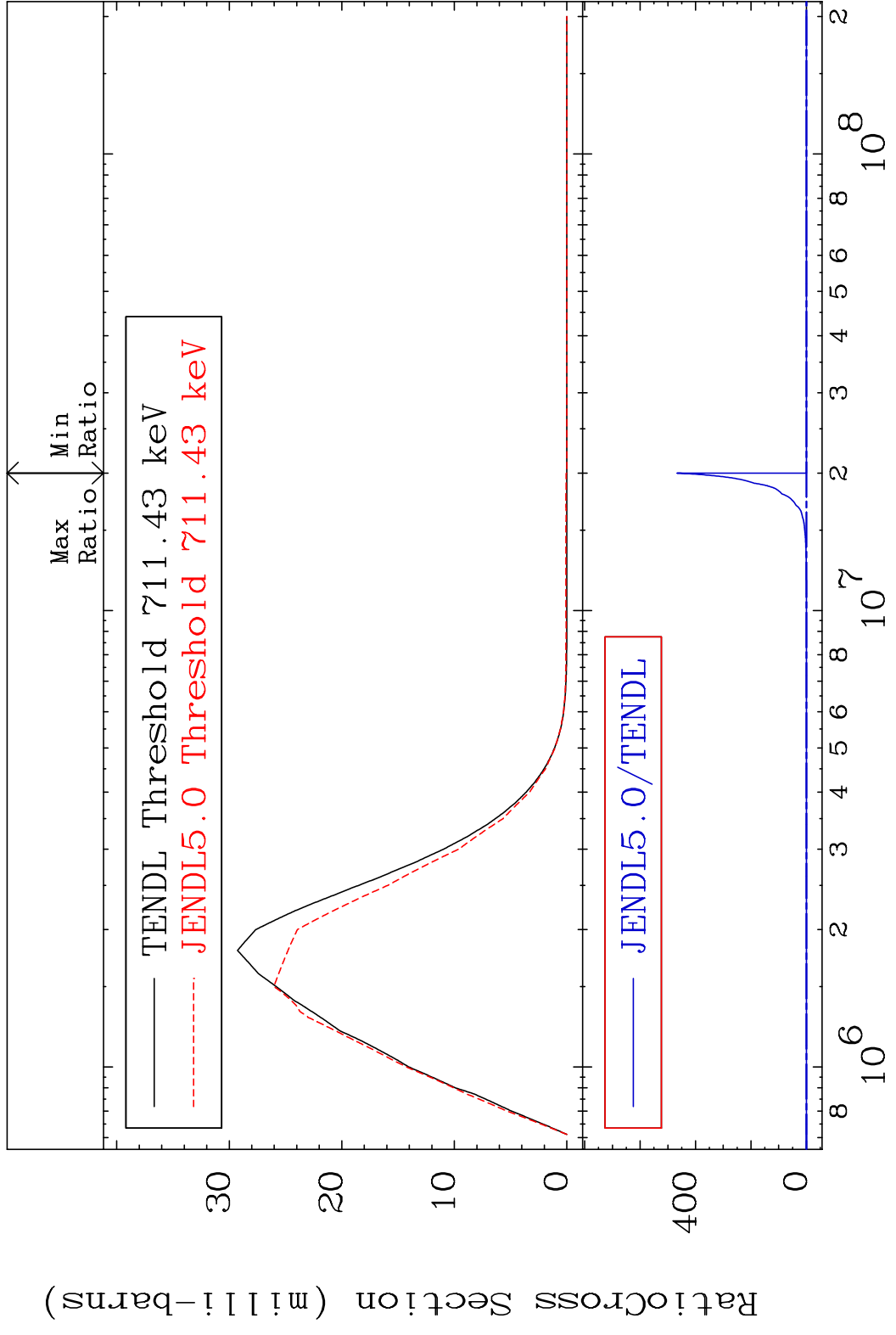
15 Incident Energy (eV) 50-Sn-117m

MAT 5041 MT= 56 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



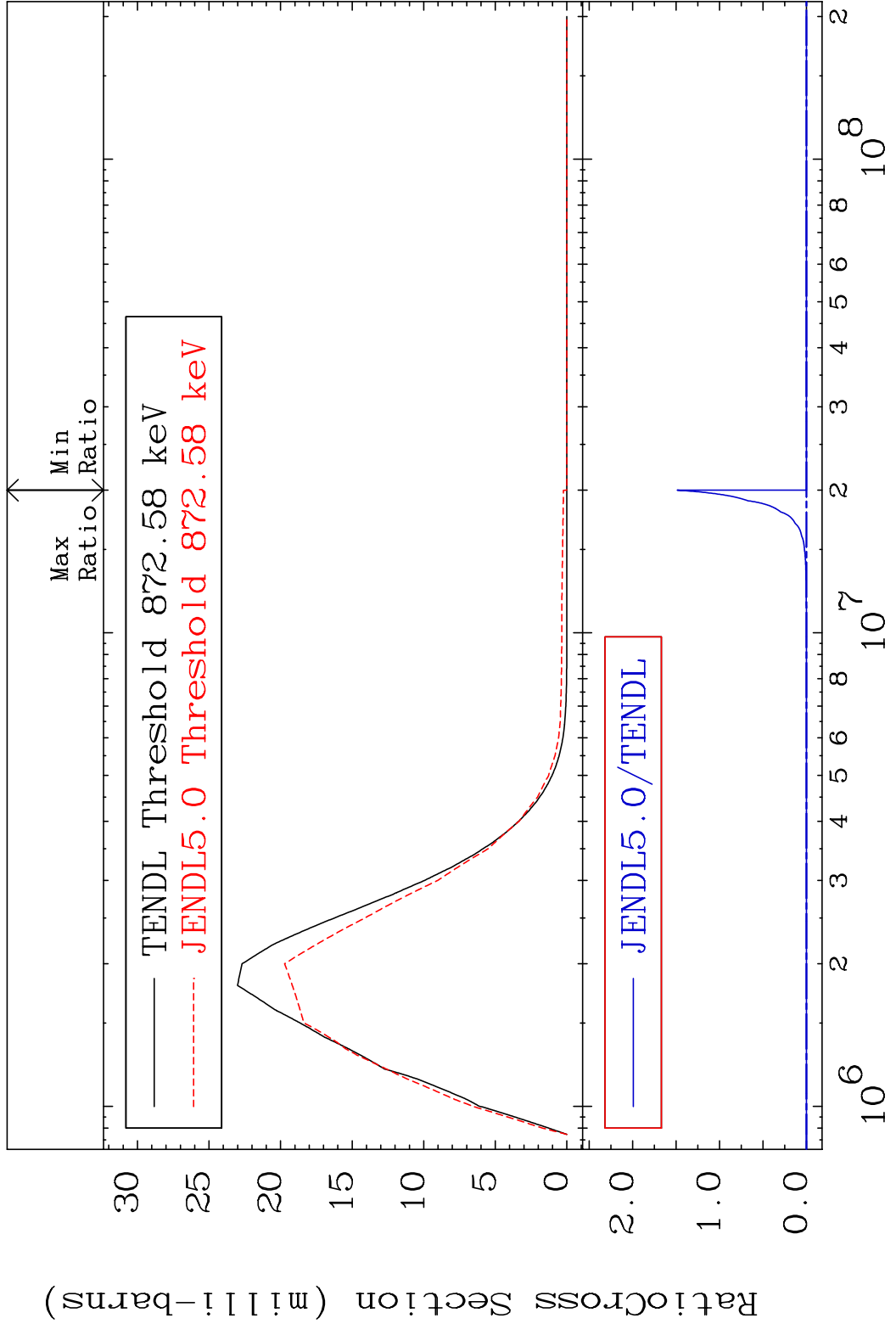
16 Incident Energy (eV) 50-Sn-117m

MAT 5041 MT= 57 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



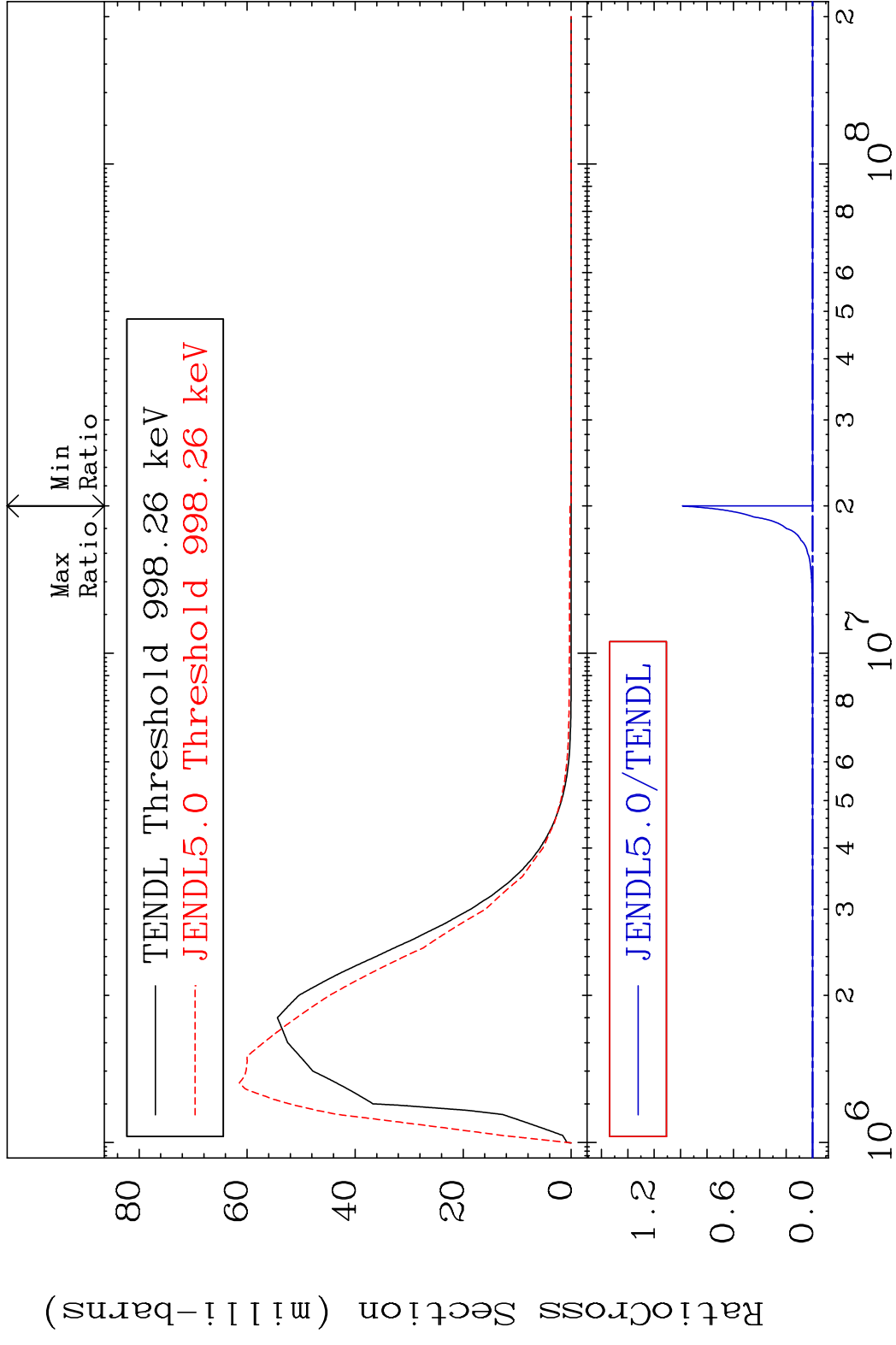
17 Incident Energy (eV) 50-Sn-117m

MAT 5041 MT= 58 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %

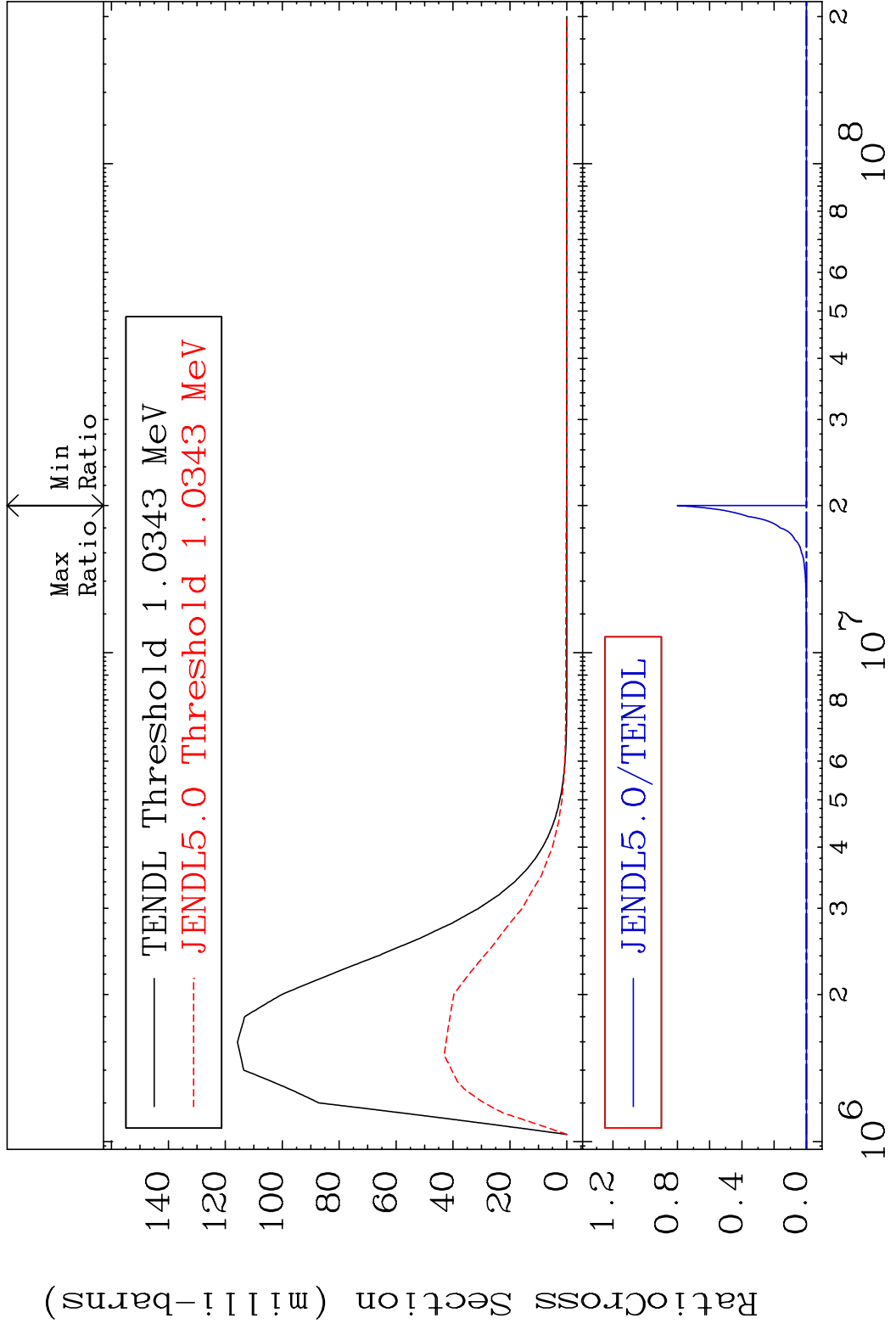


18 Incident Energy (eV) 50-Sn-117m

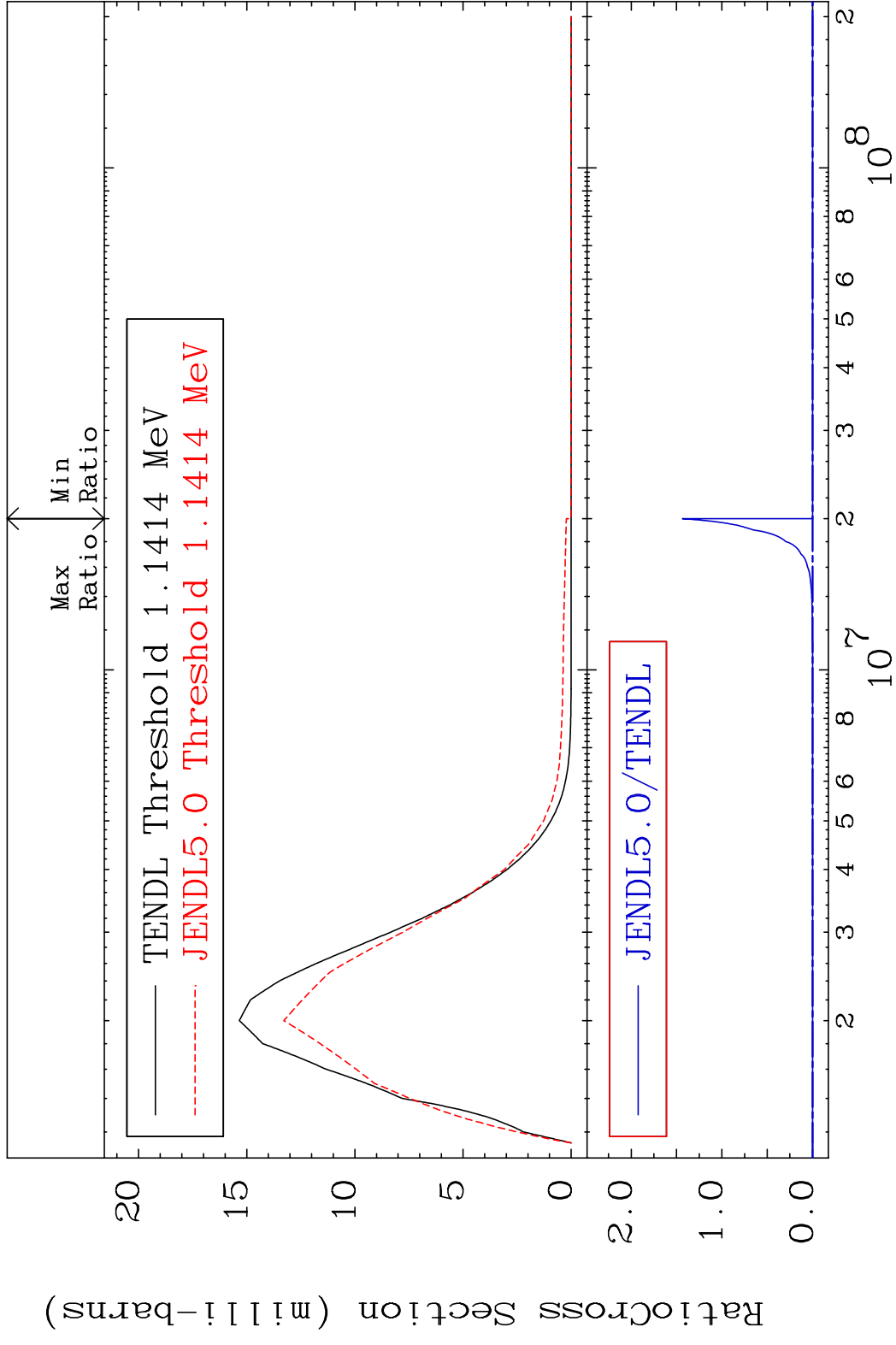
MAT 5041 MT= 59 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



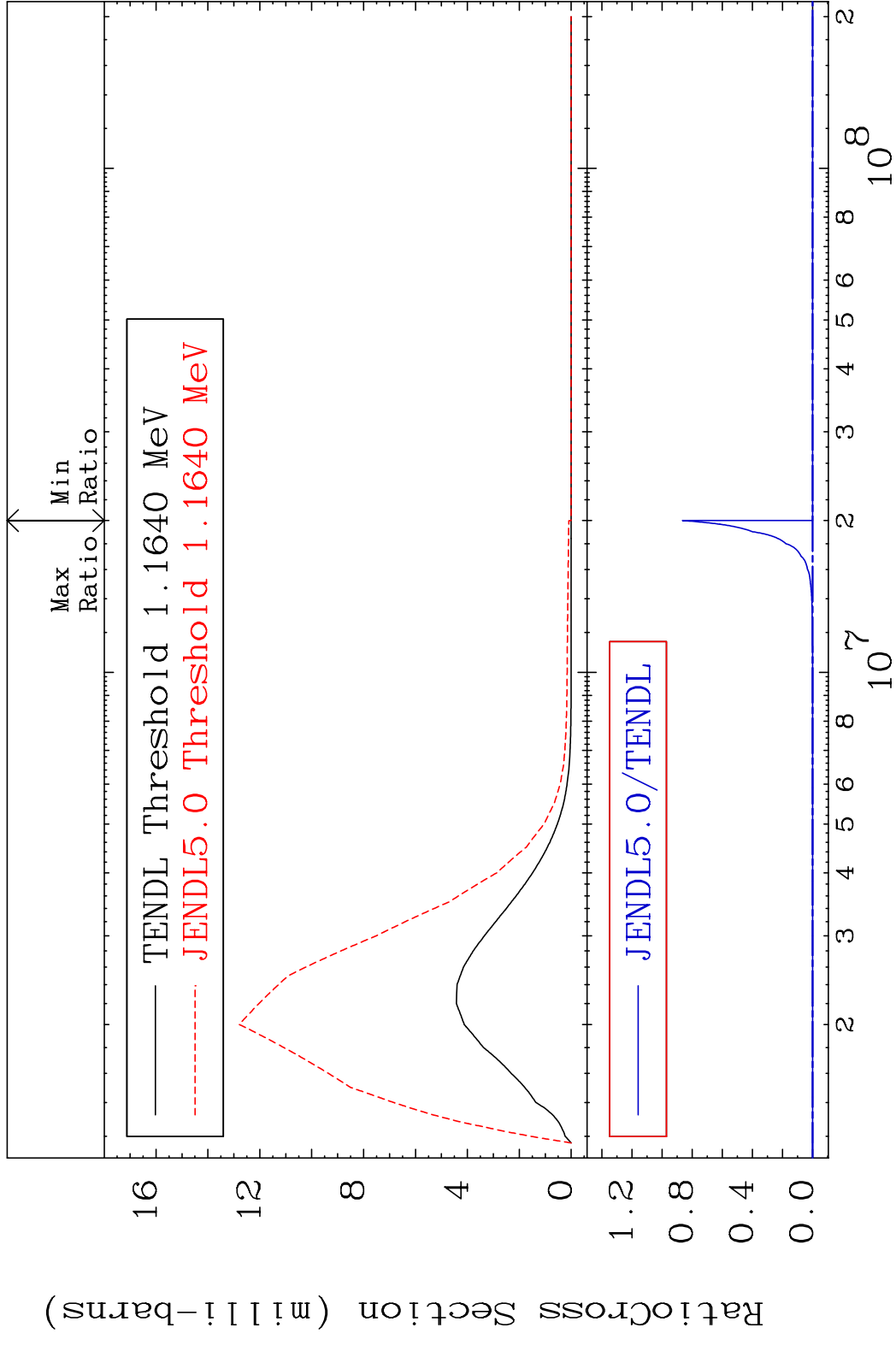
MAT 5041 MT= 60 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



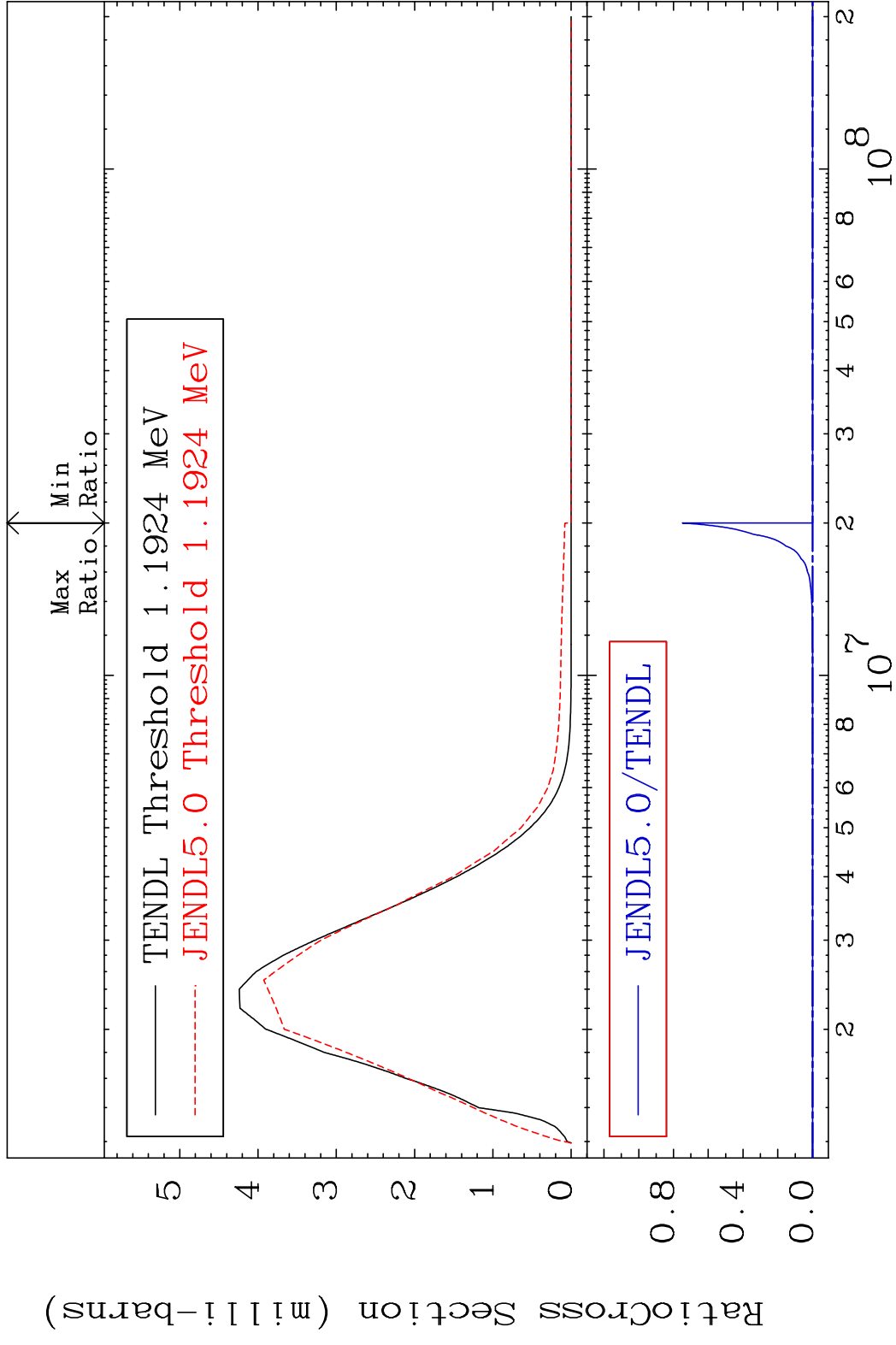
MAT 5041 MT= 61 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



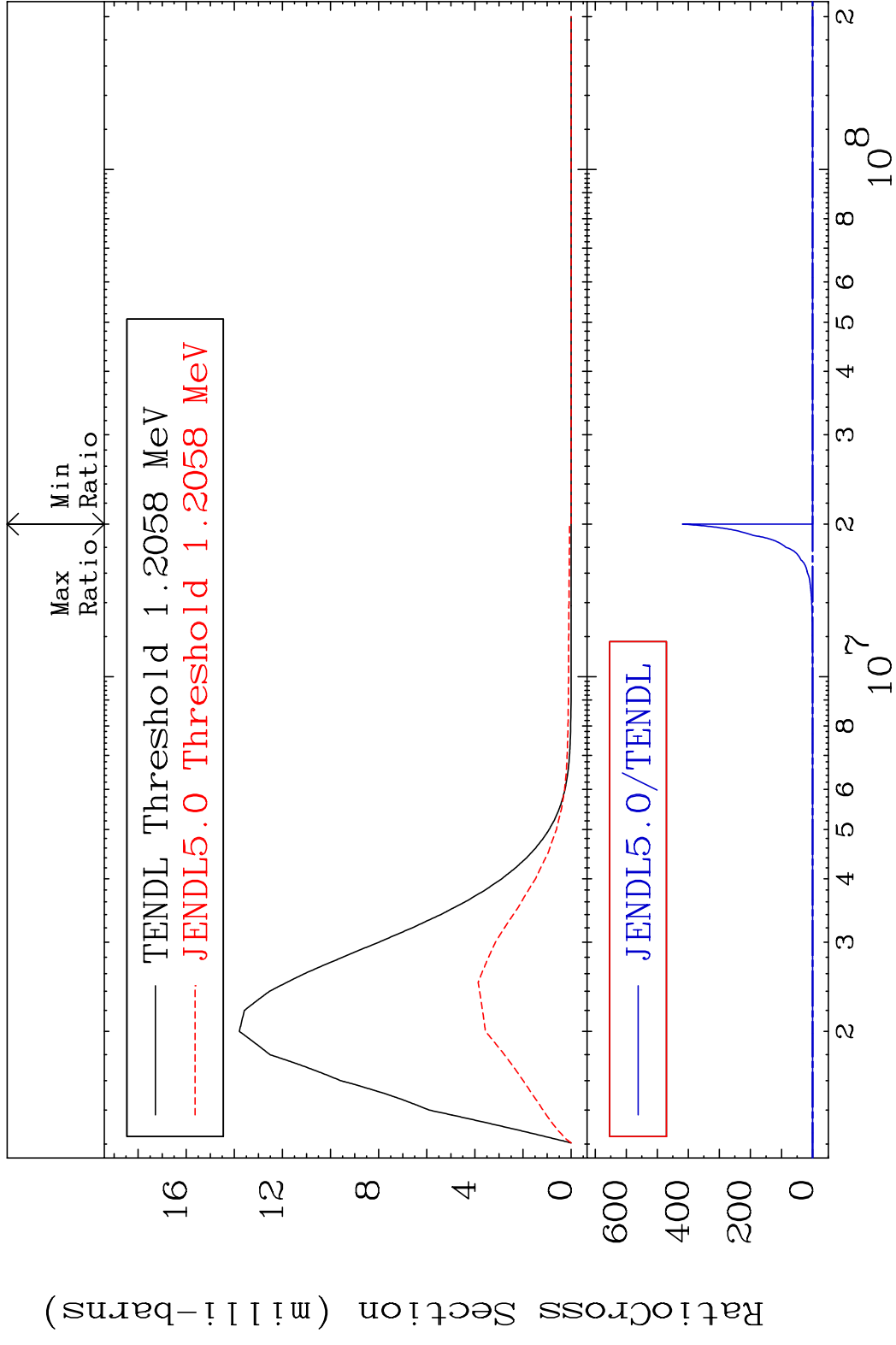
MAT 5041 MT= 62 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



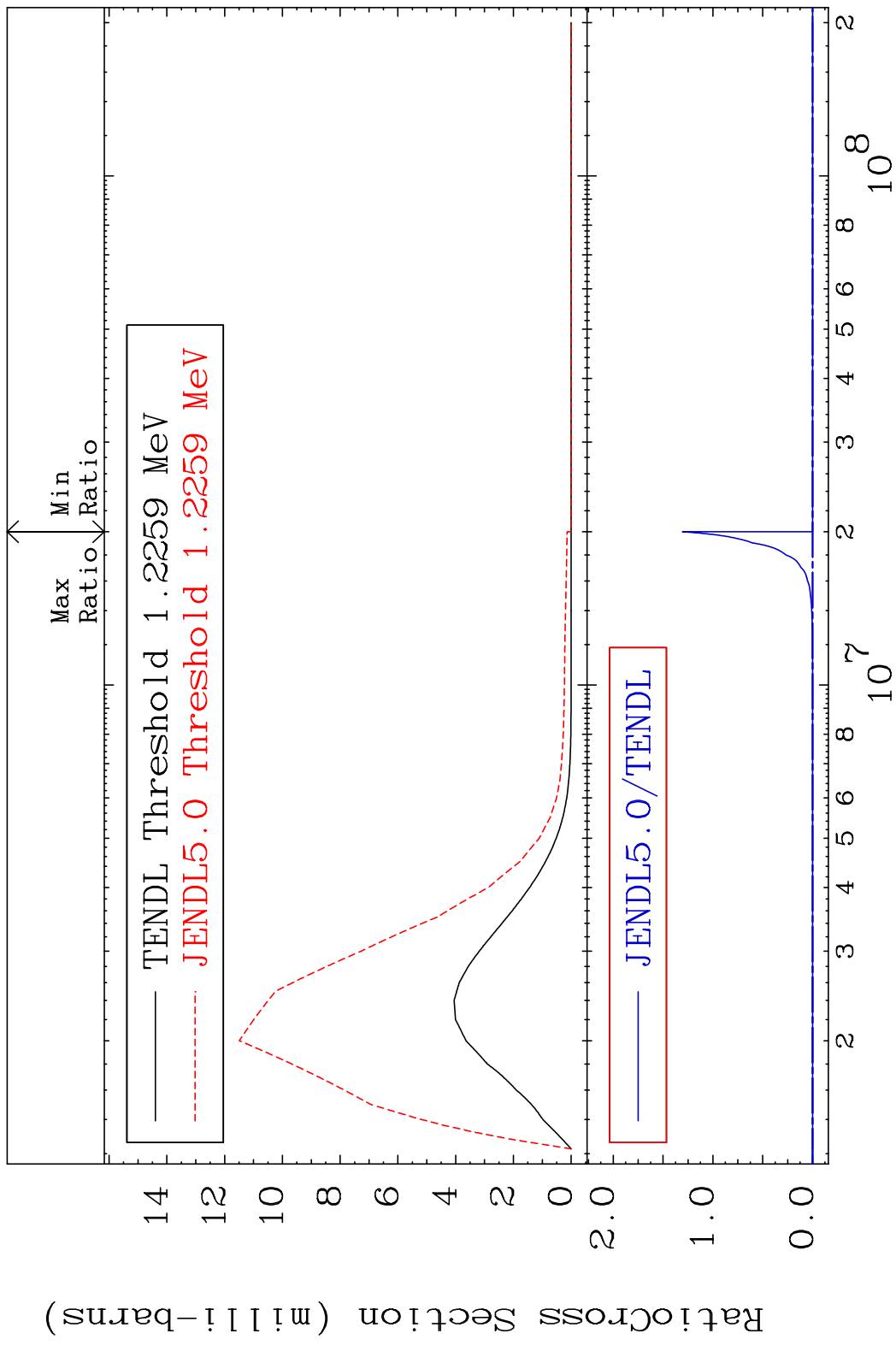
MAT 5041 MT= 63 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



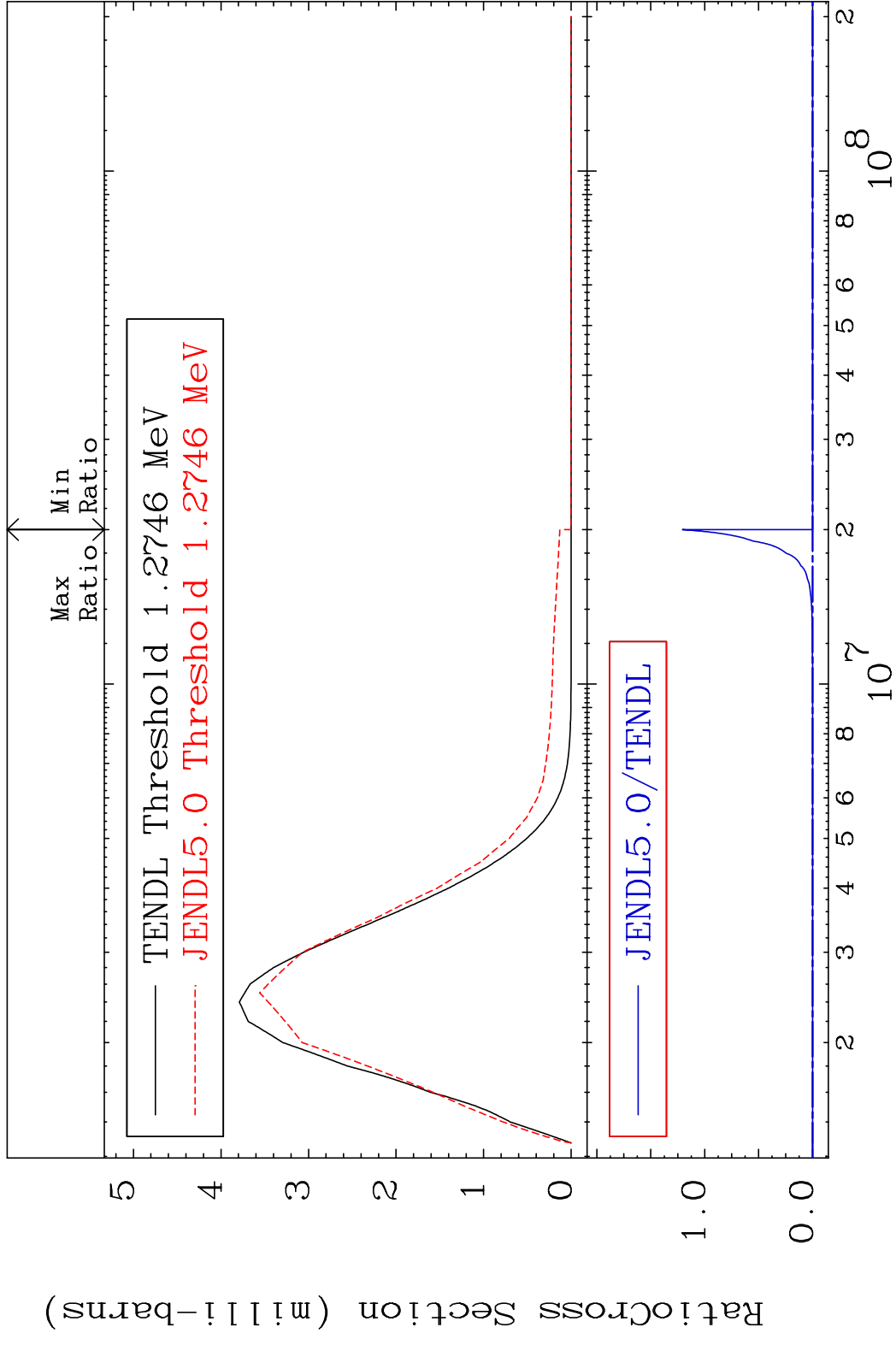
MAT 5041 MT= 64 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



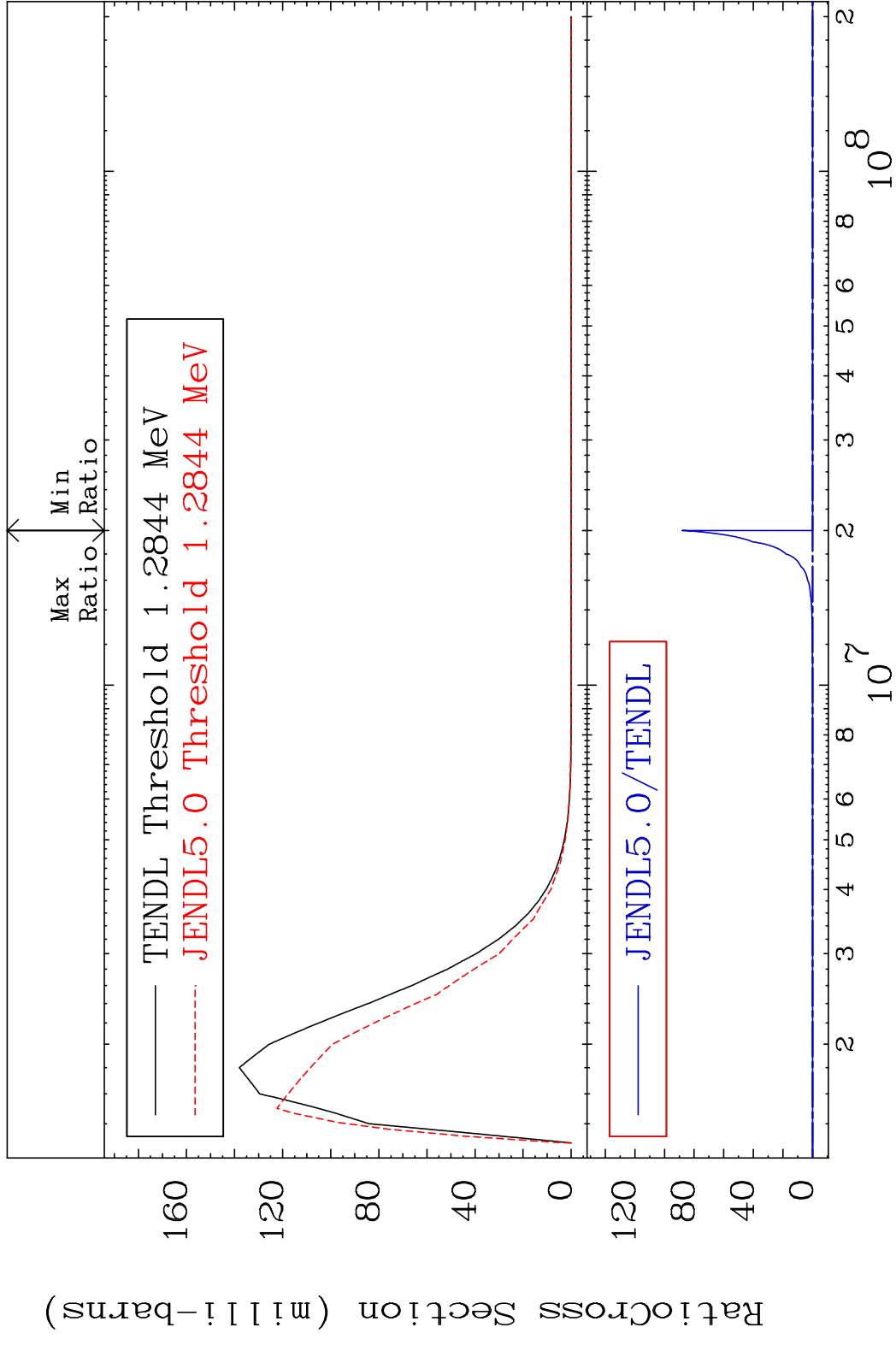
MAT 5041 MT= 65 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



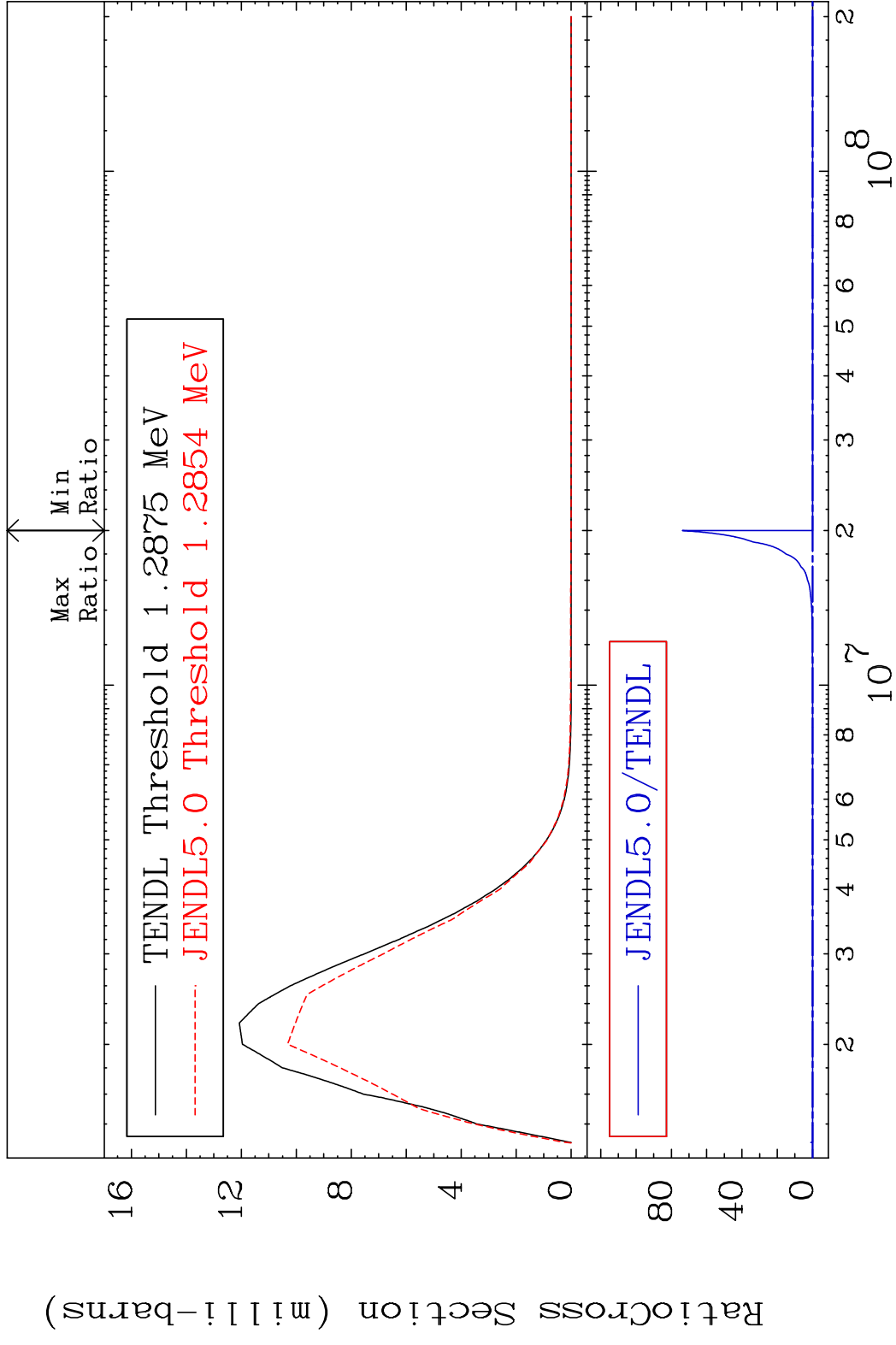
MAT 5041 MT= 66 (n,n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



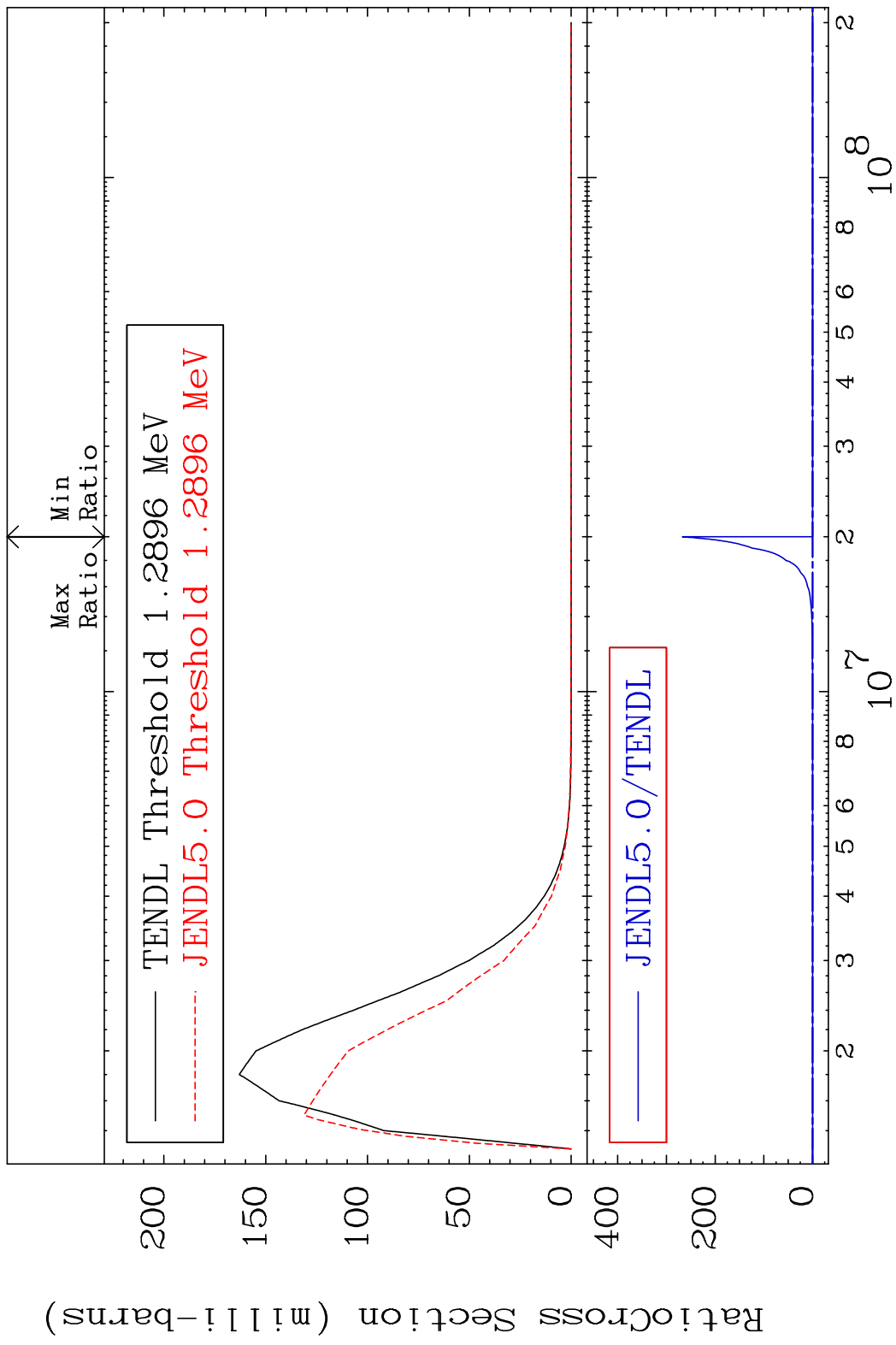
MAT 5041 MT= 67 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



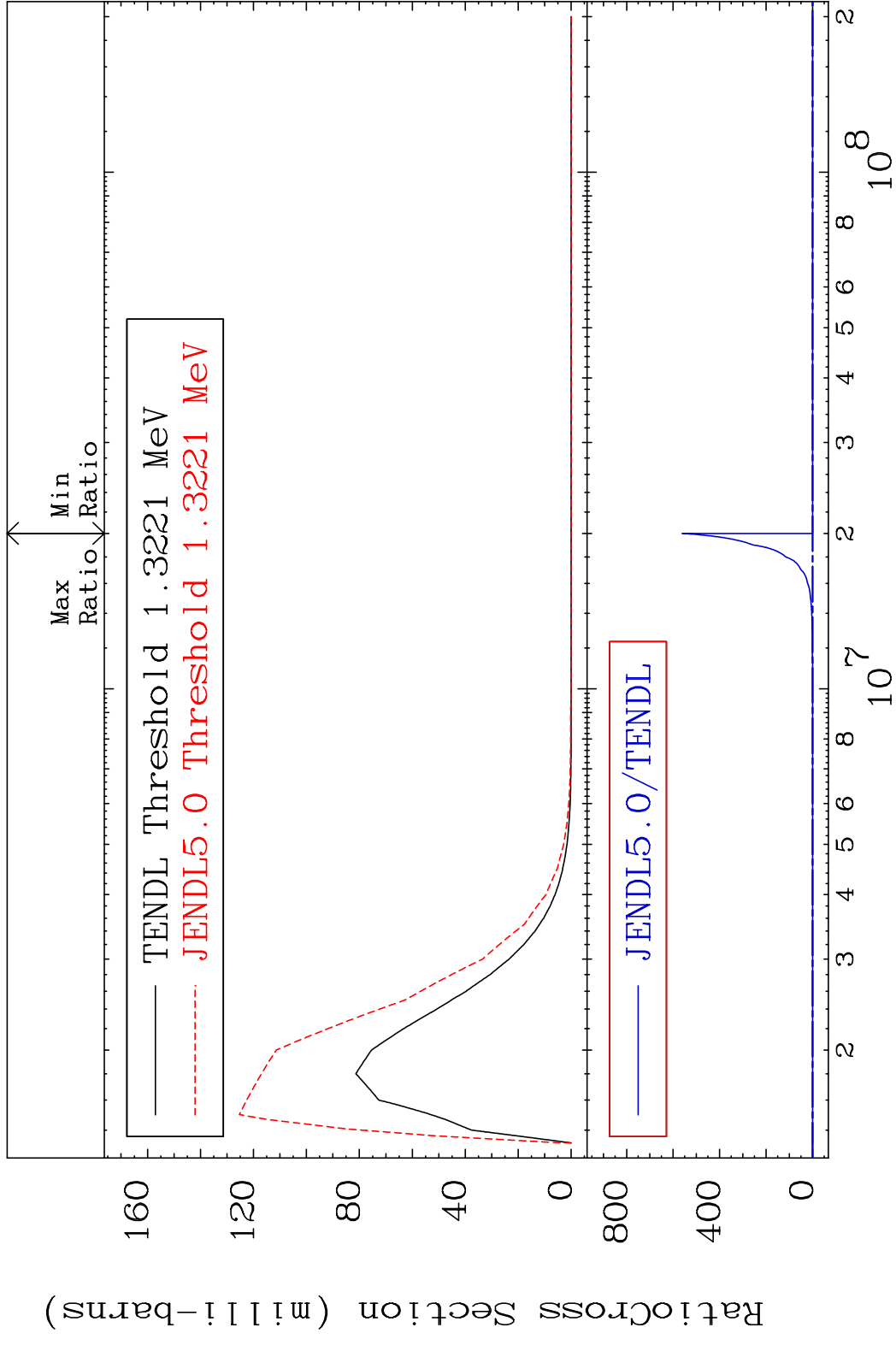
MAT 5041 MT= 68 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



MAT 5041 MT= 69 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %

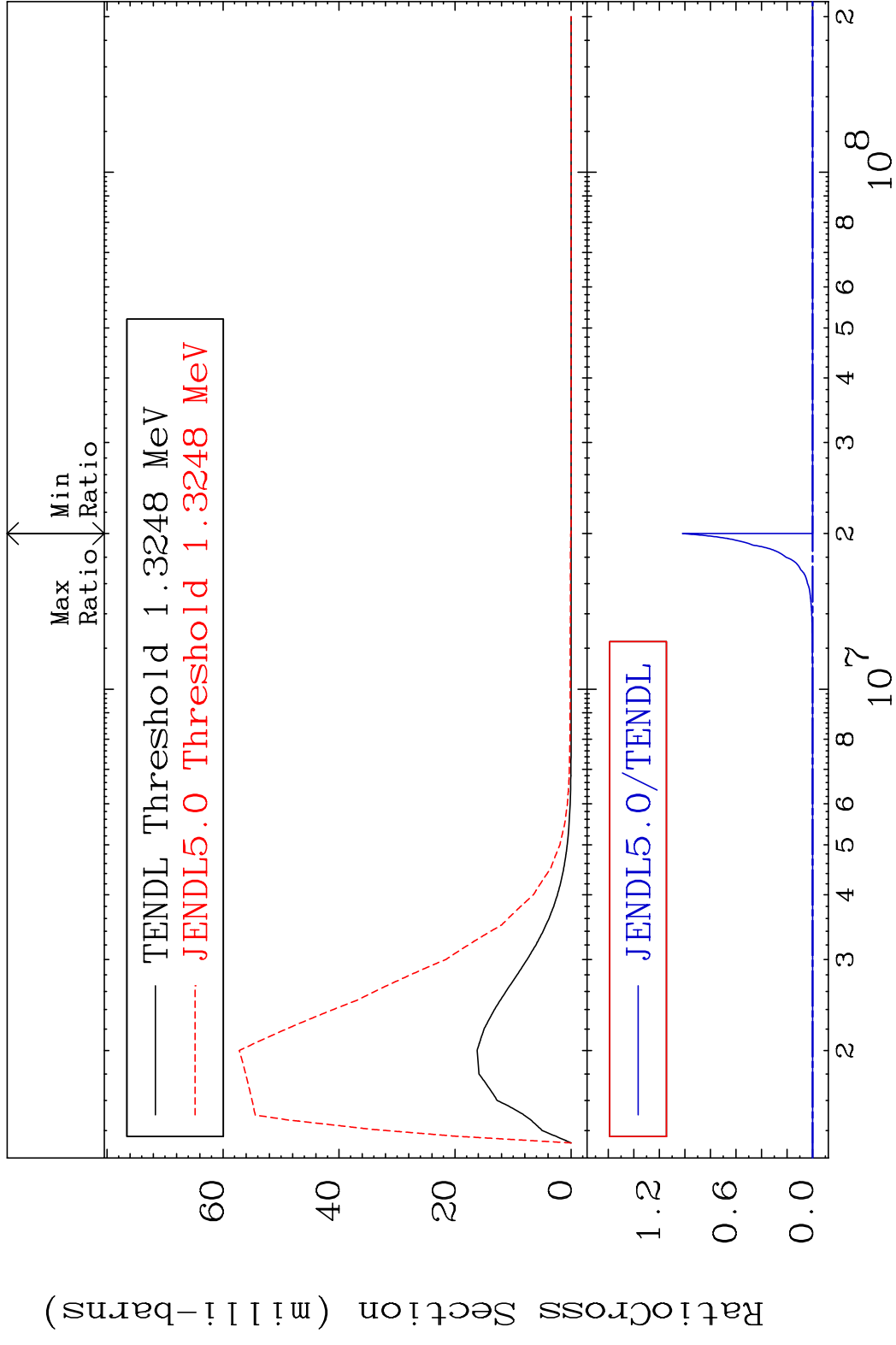


MAT 5041 MT= 70 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %

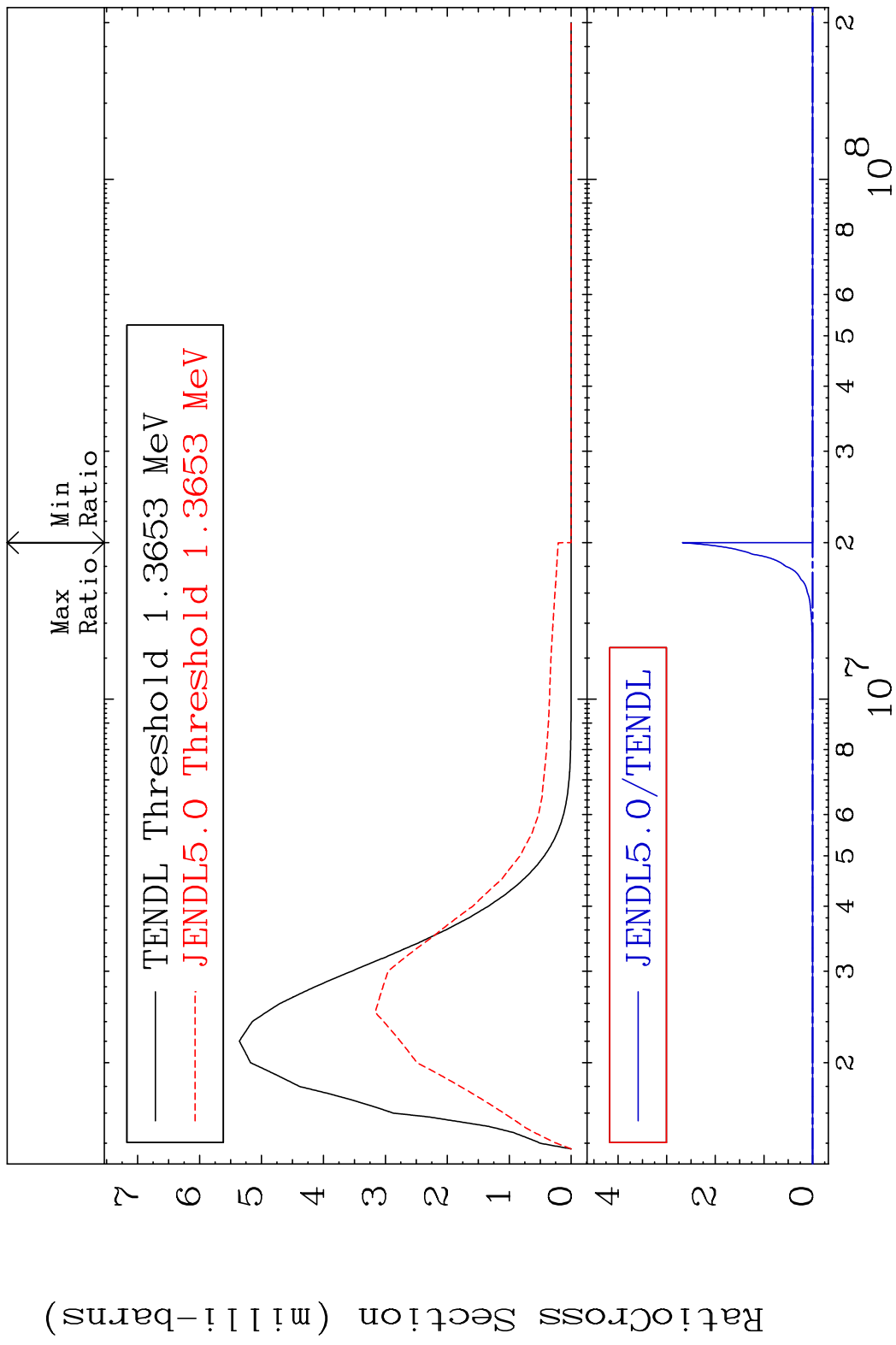


30 Incident Energy (eV) 50-Sn-117m

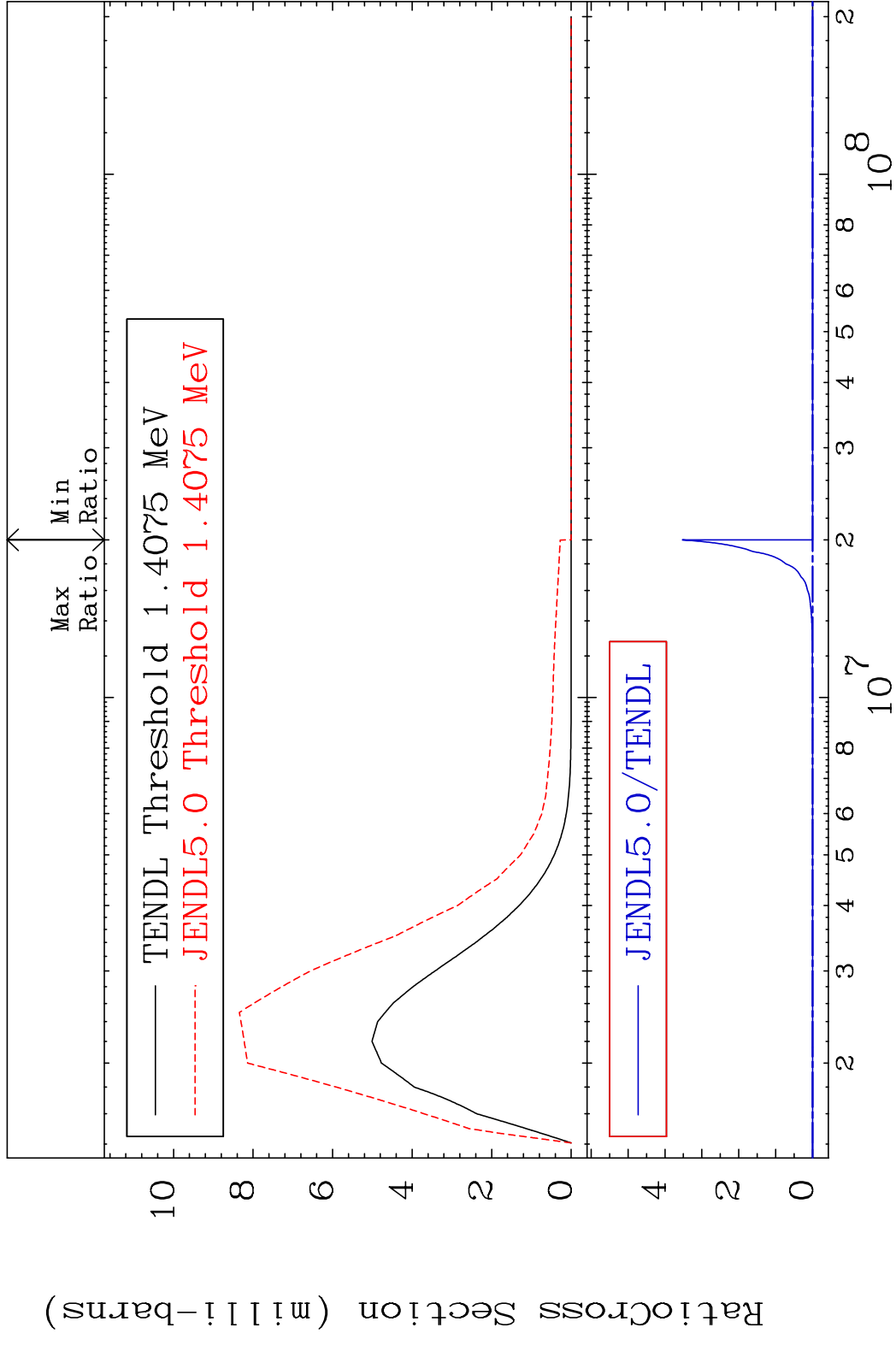
MAT 5041 MT= 71 (n,n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



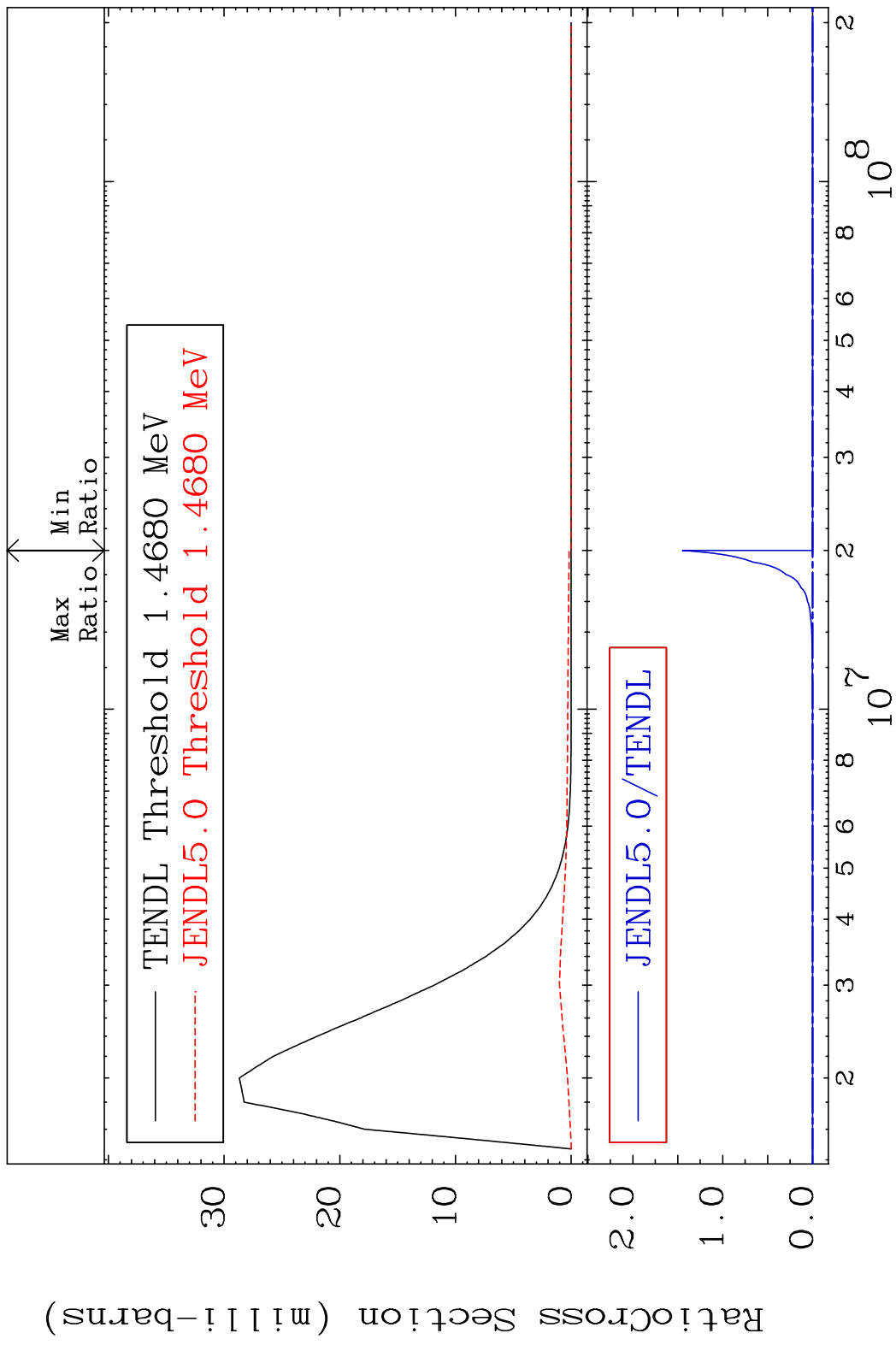
MAT 5041 MT= 72 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



MAT 5041 MT= 73 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %



MAT 5041 MT= 74 (n, n') Level 50-Sn-117m
 Cross Section -100.0 To 9999. %

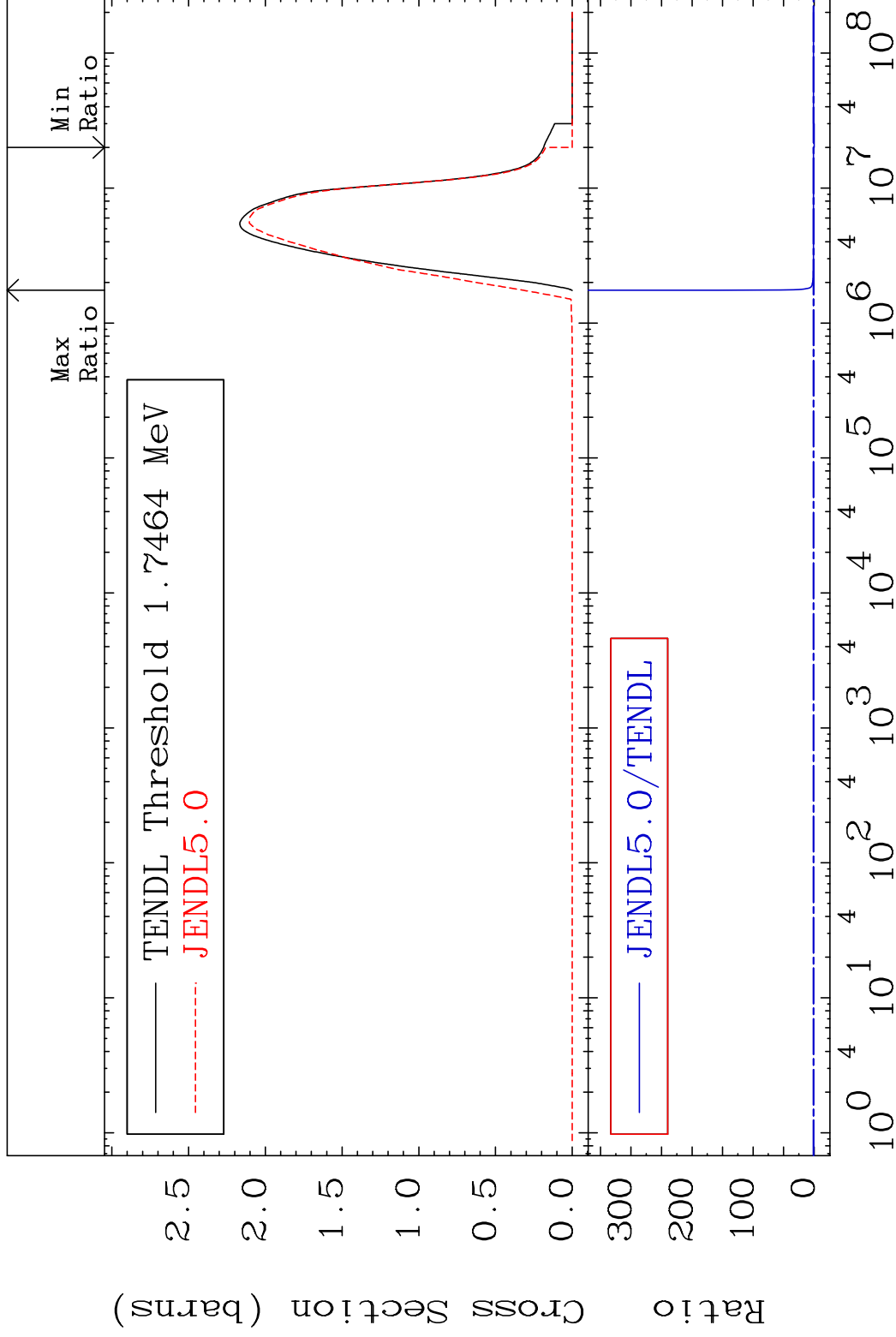


MAT 5041

(n, n') Continuum

50-Sn-117m

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

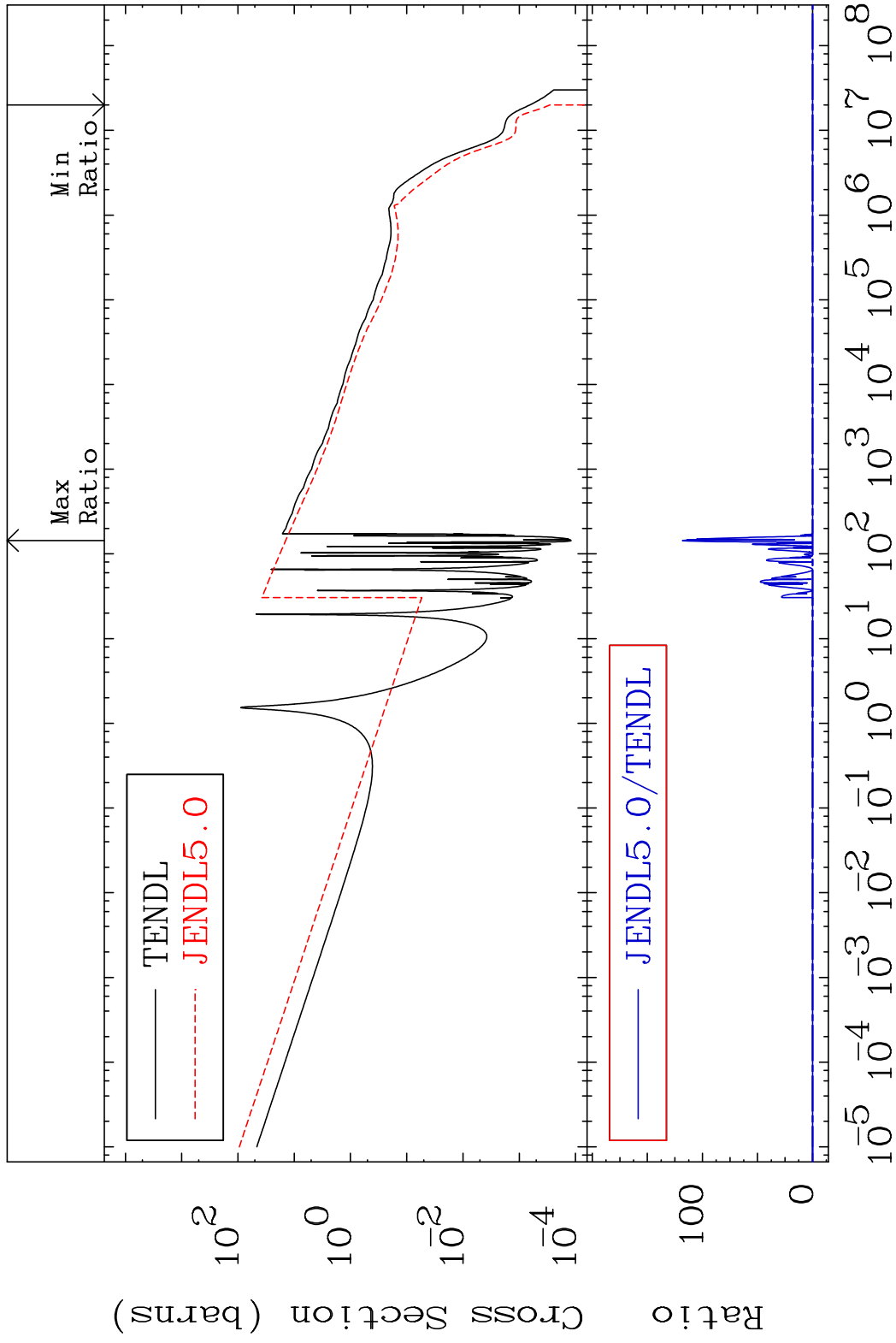
50-Sn-117m

MAT 5041

50-Sn-117m

(n, γ)

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

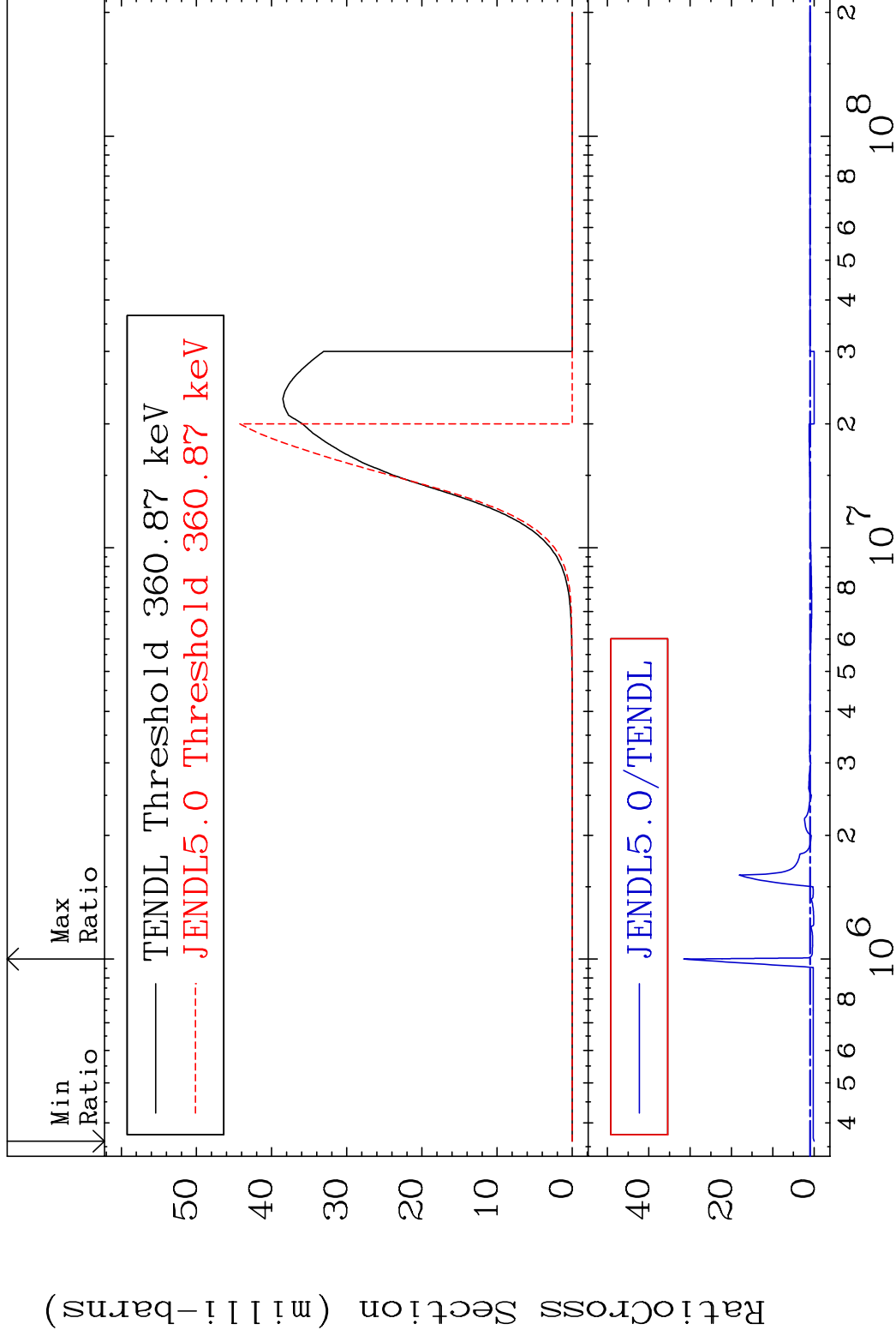
50-Sn-117m

MAT 5041

(n, p)

50-Sn-117m

Cross Section -100.0 To 3056. %



37

Incident Energy (eV)

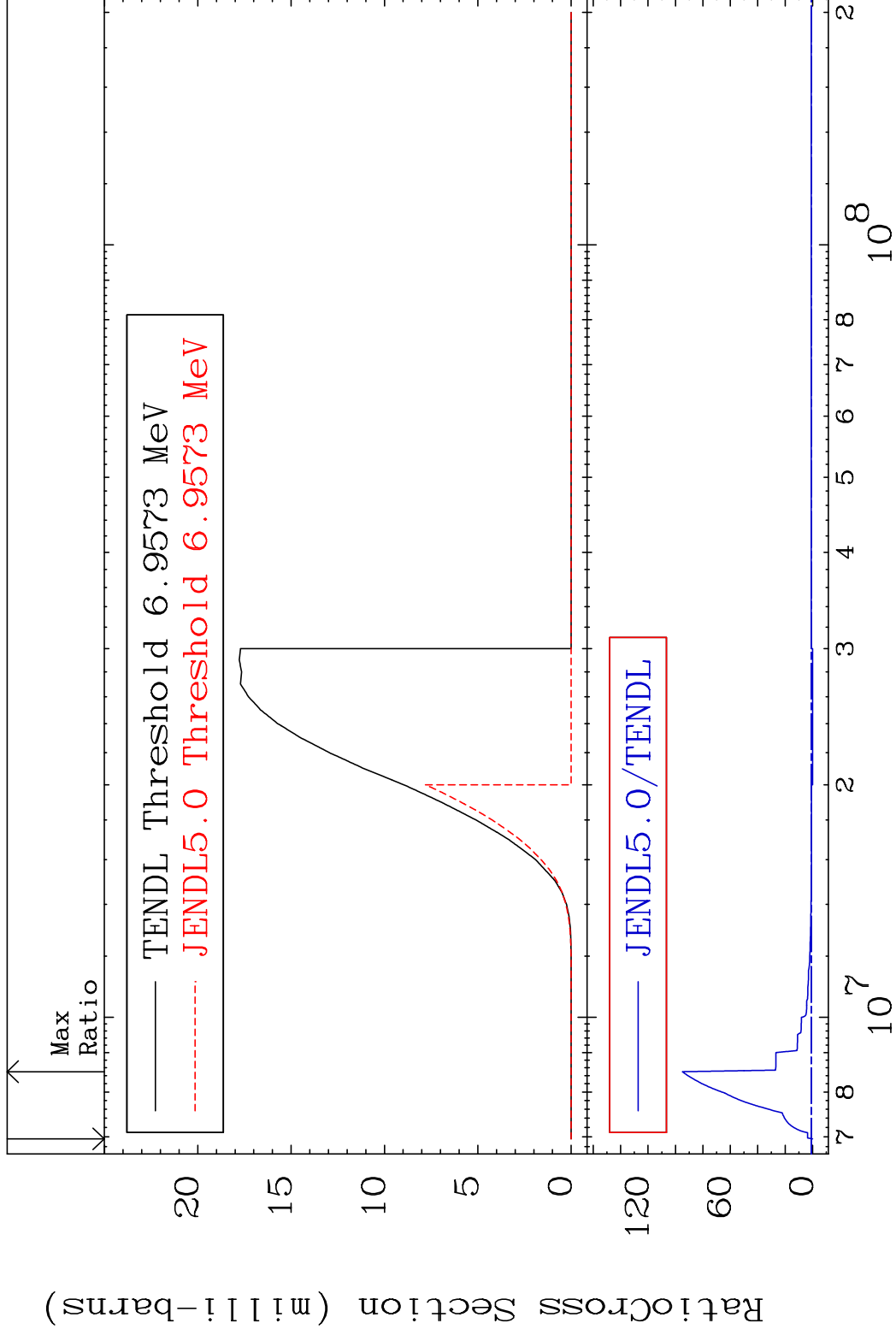
50-Sn-117m

MAT 5041

(n,d)

50-Sn-117m

Cross Section -100.0 To 9398. %



38

Incident Energy (eV)

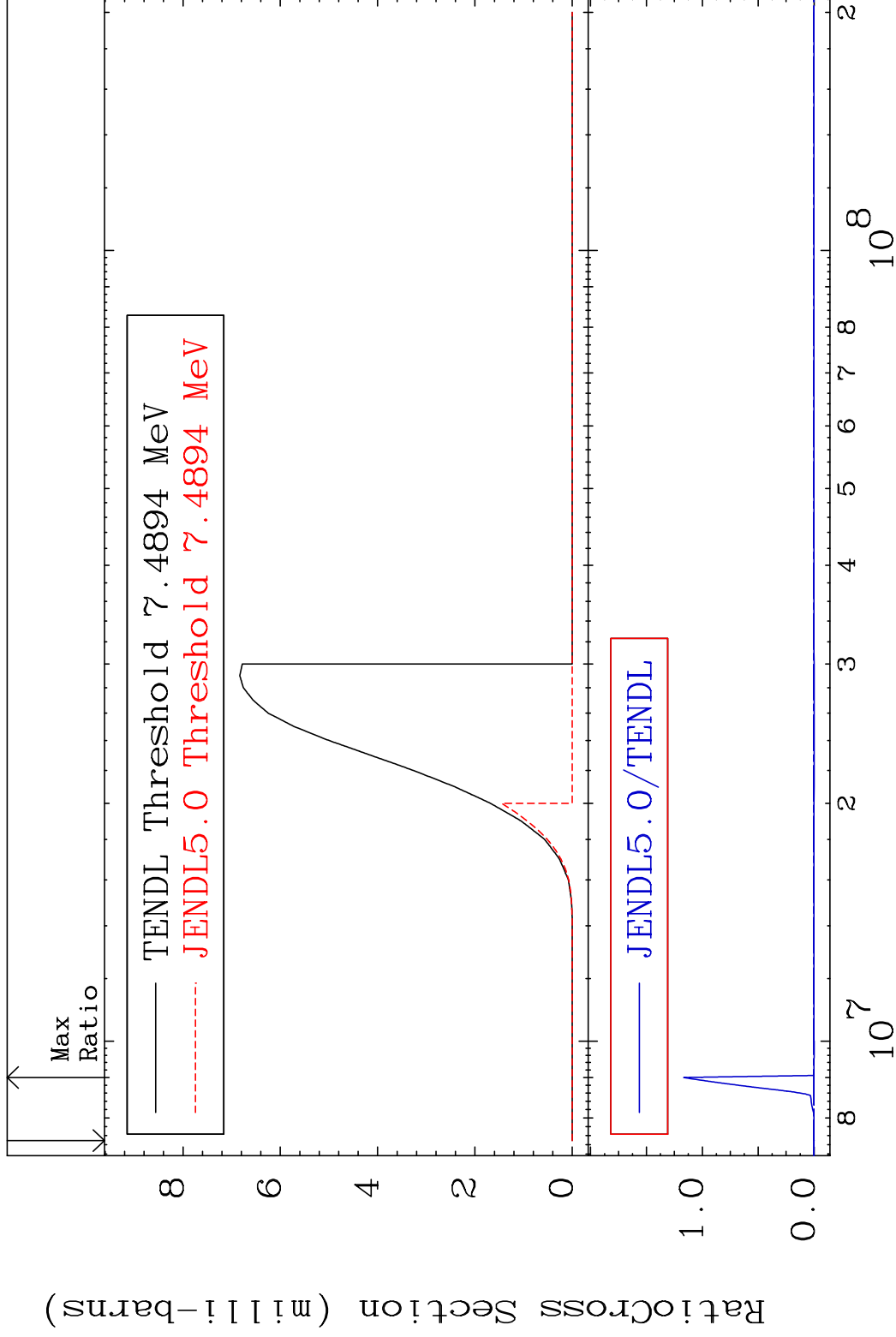
50-Sn-117m

MAT 5041

(n, t)

50-Sn-117m

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

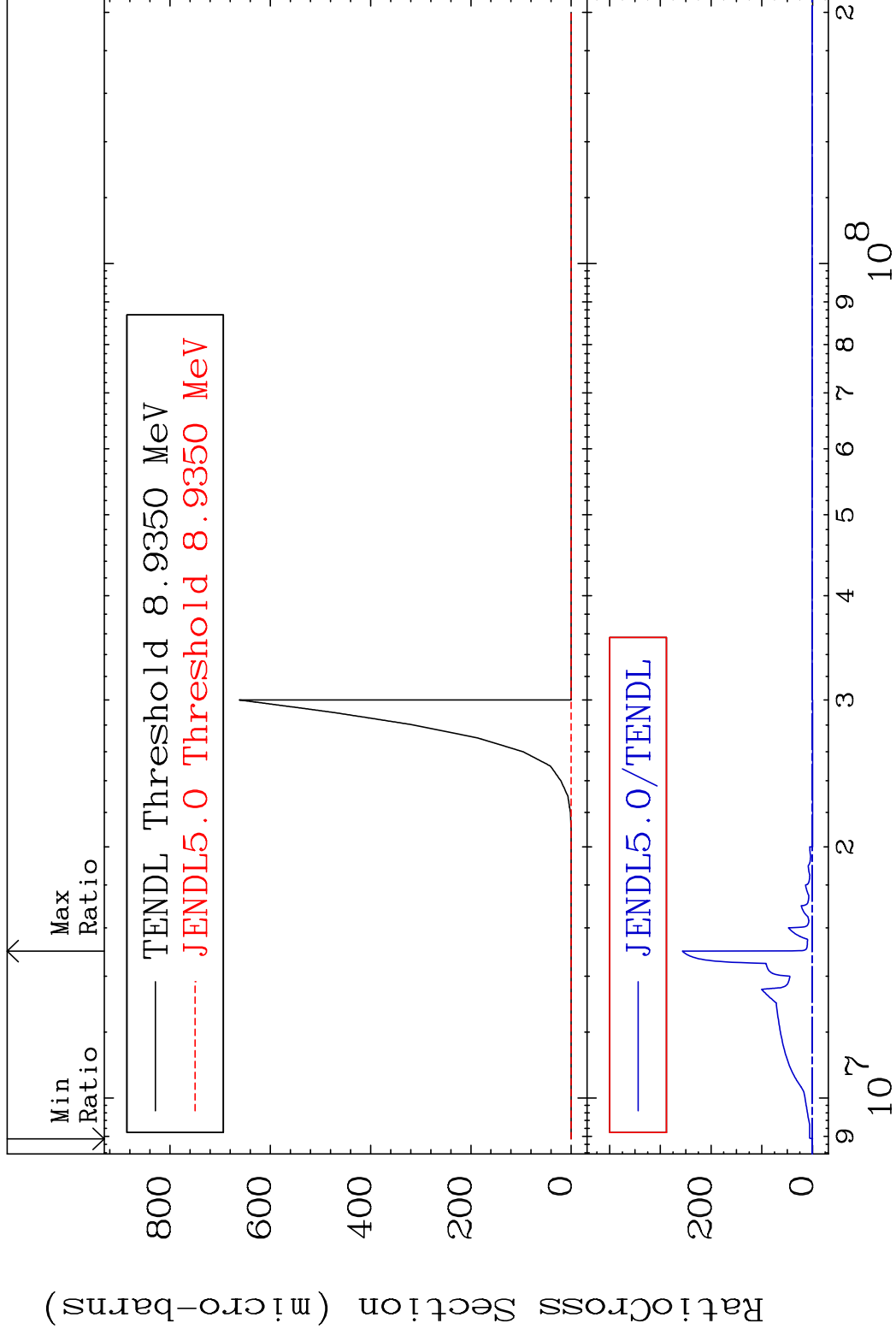
50-Sn-117m

MAT 5041

(n, He-3)

50-Sn-117m

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

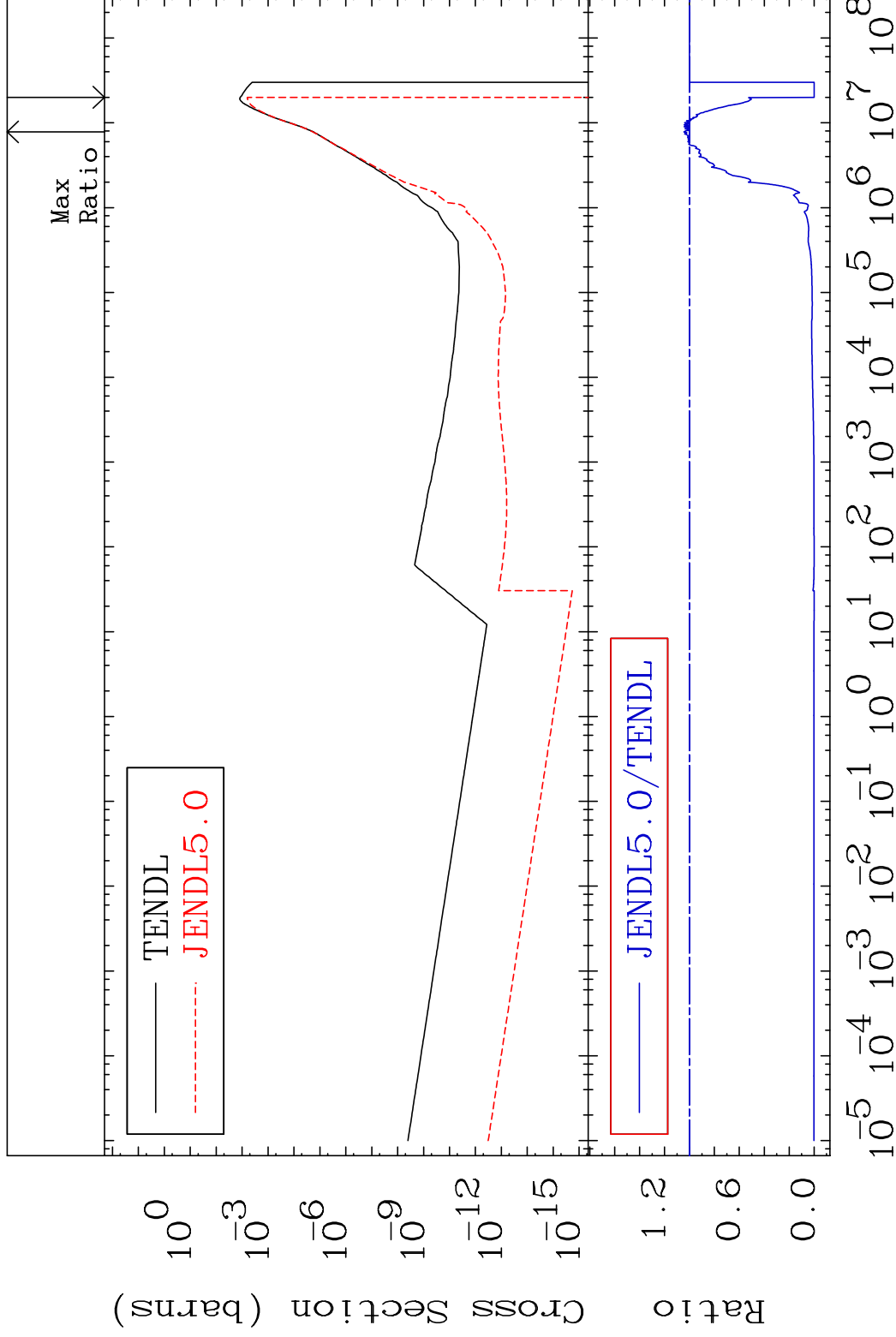
50-Sn-117m

MAT 5041

(n, α)

50-Sn-117m

Cross Section -100.0 To 4.656 %

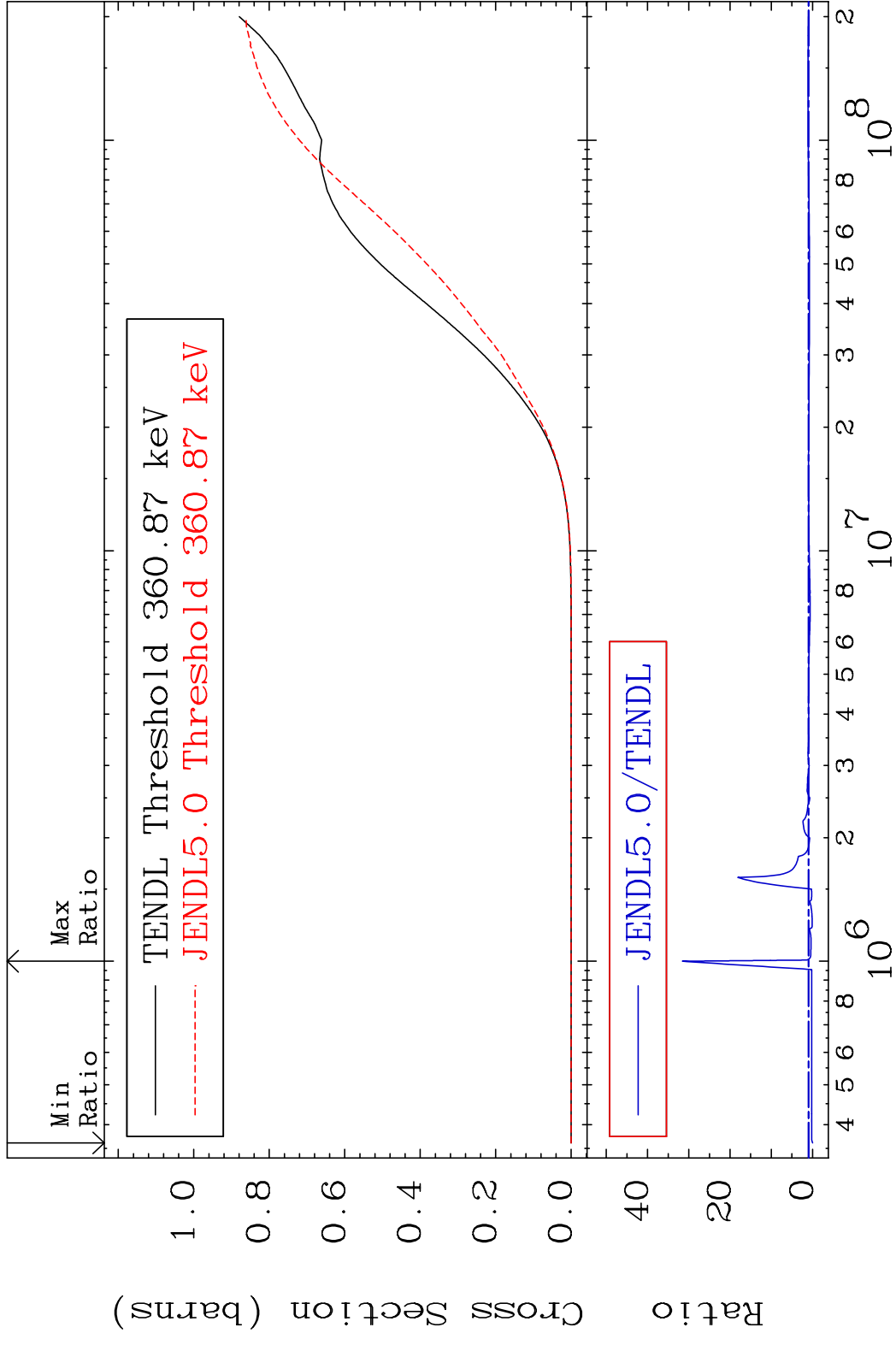


41

Incident Energy (eV)

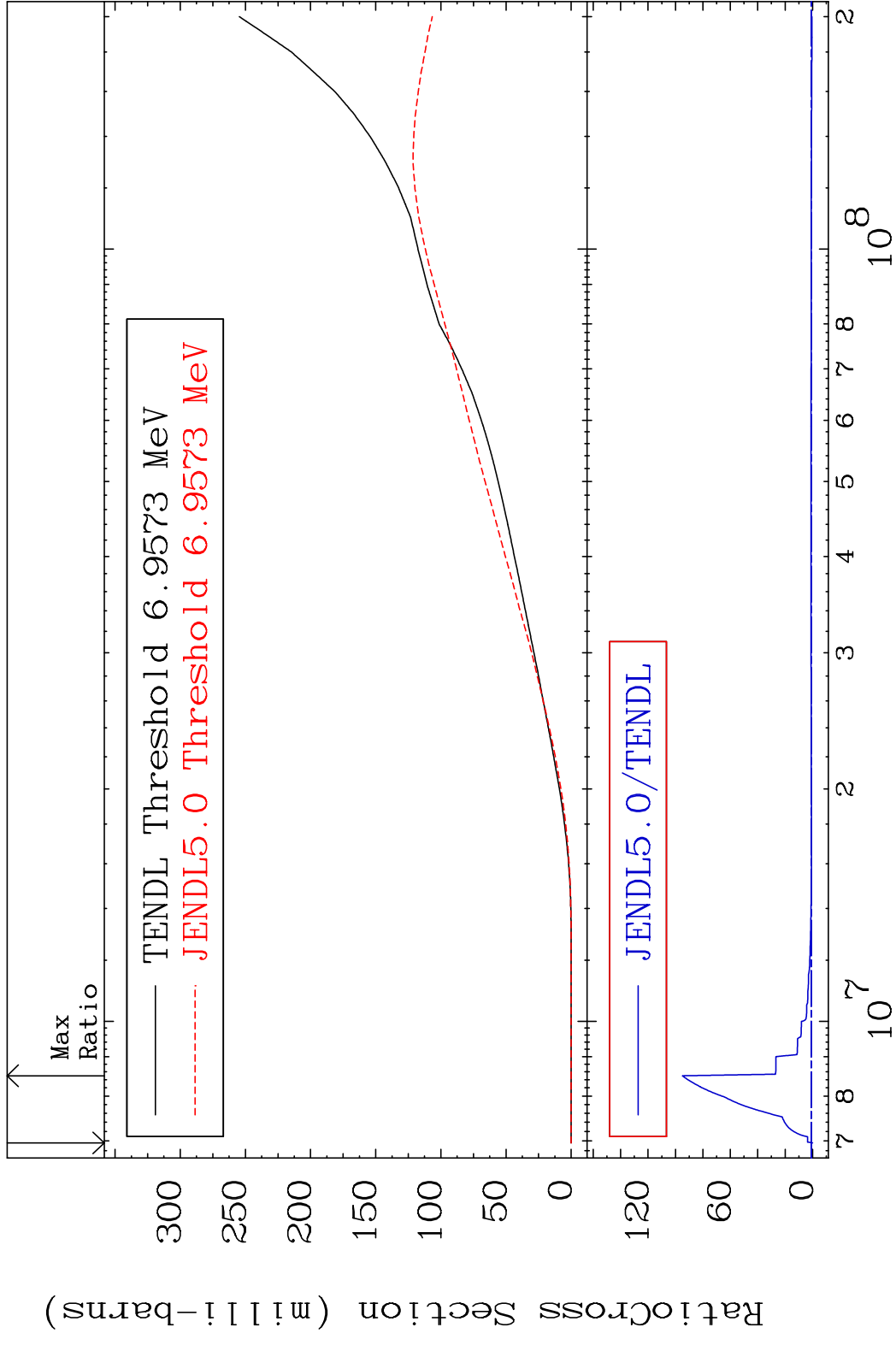
50-Sn-117m

MAT 5041 Hydrogen Production 50-Sn-117m
 Cross Section -100.0 To 3056. %



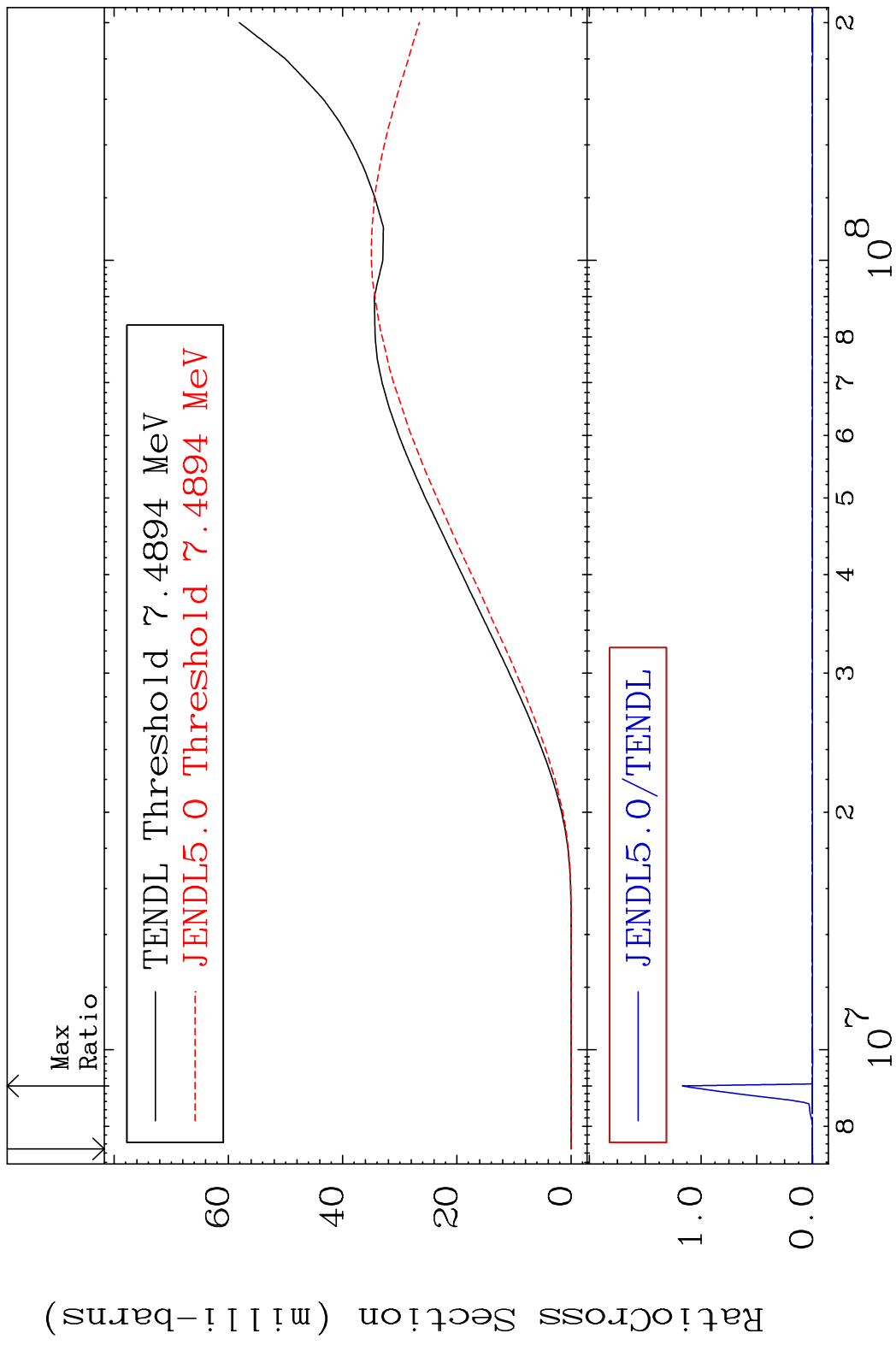
42 Incident Energy (eV) 50-Sn-117m

MAT 5041 Deuterium Production 50-Sn-117m
 Cross Section -100.0 To 9398. %



43 Incident Energy (eV) 50-Sn-117m

MAT 5041 Tritium Production 50-Sn-117m
Cross Section -100.0 To 9999. %



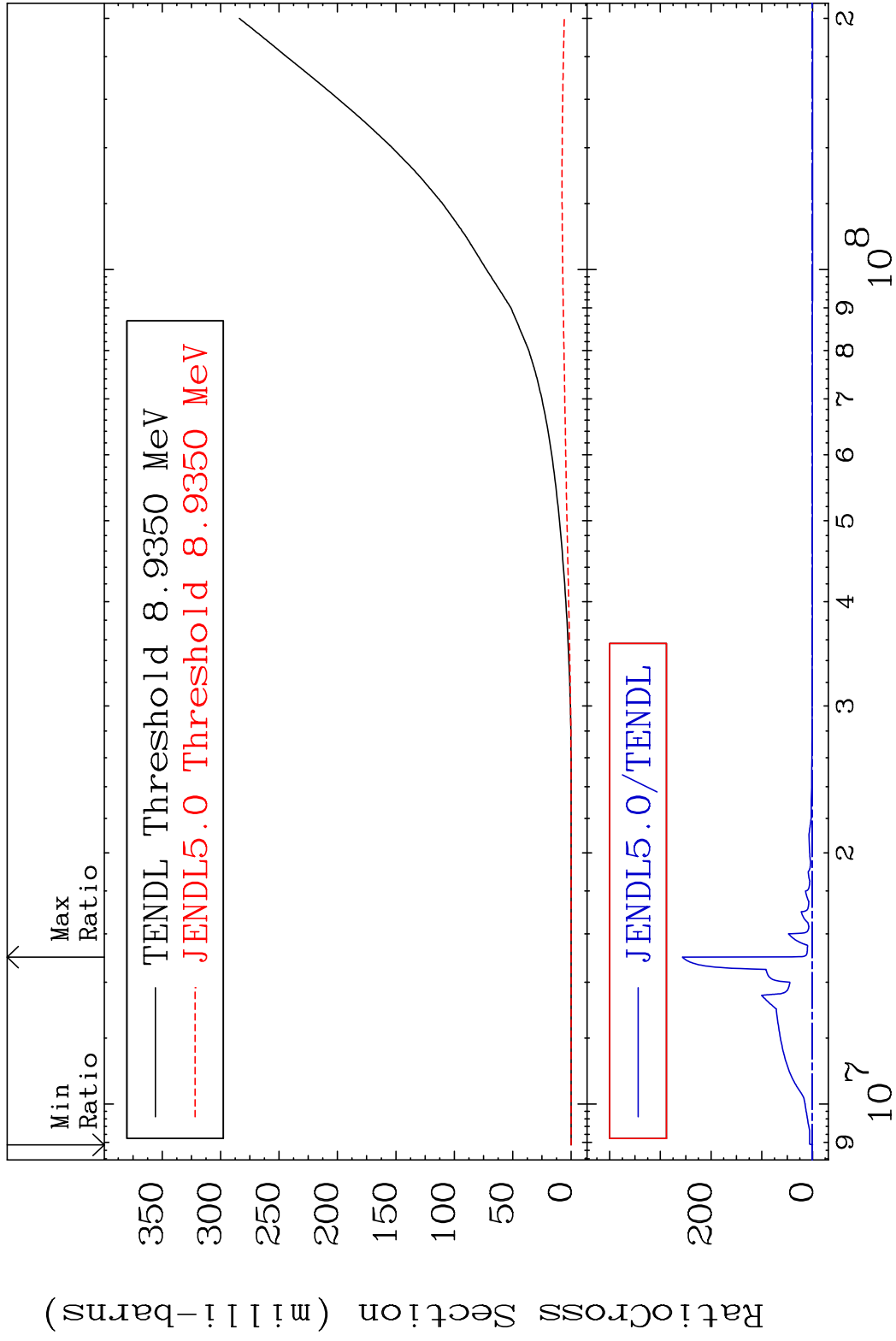
44 Incident Energy (eV) 50-Sn-117m

MAT 5041

He-3 Production

50-Sn-117m

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

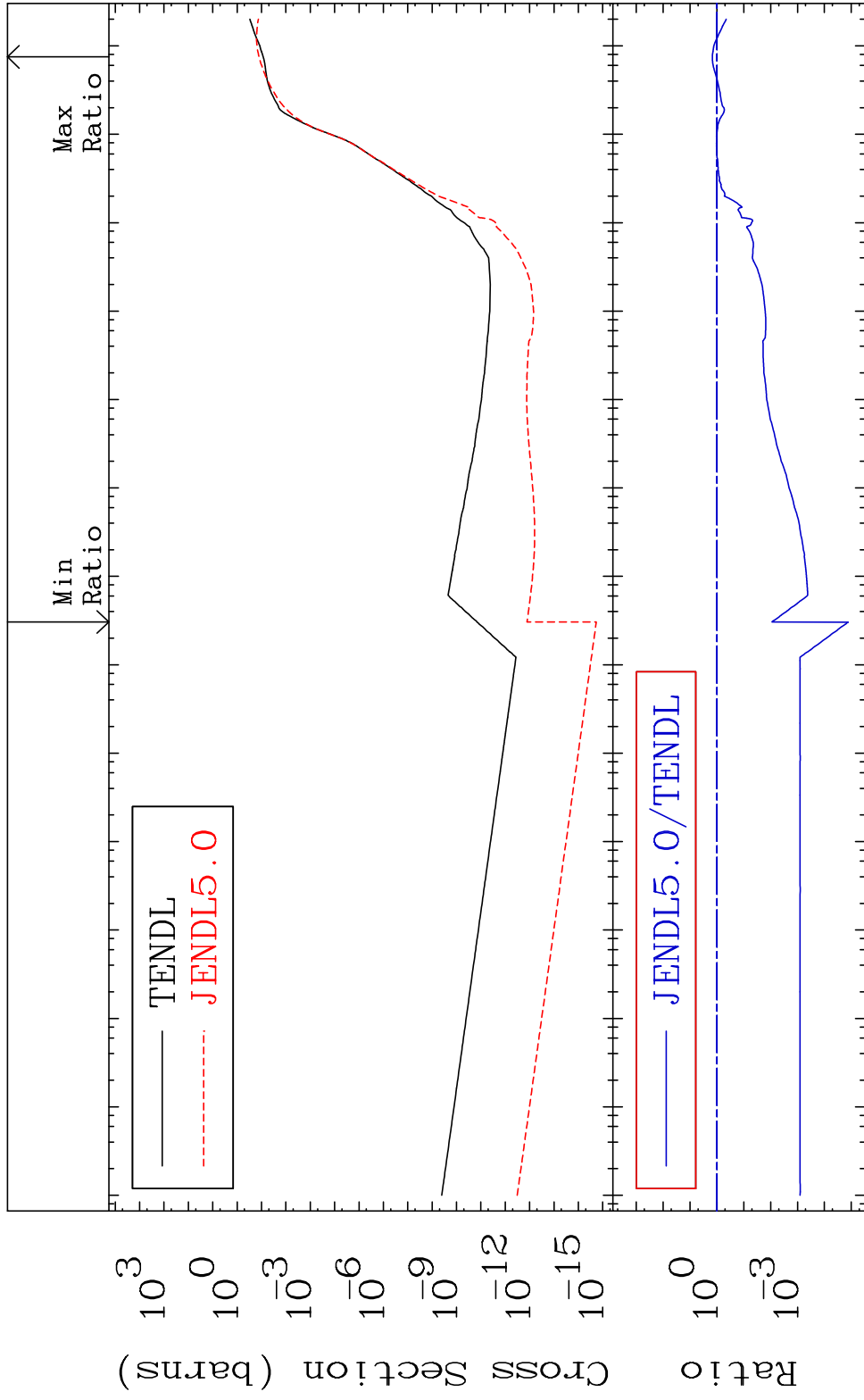
50-Sn-117m

MAT 5041

He-4 Production

50-Sn-117m

Cross Section -100.0 To 47.85 %

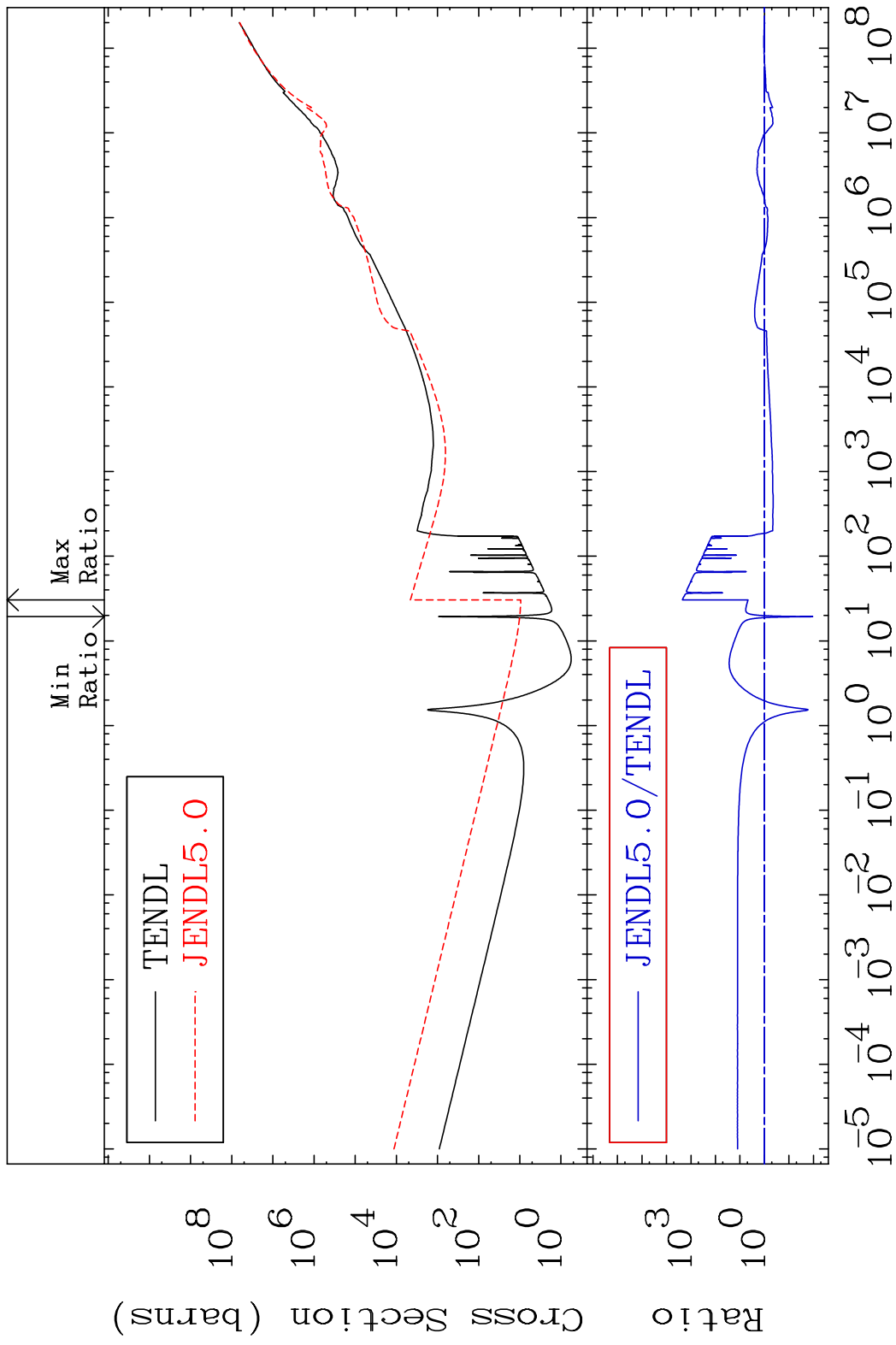


46

Incident Energy (eV)

50-Sn-117m

MAT 5041 Kerma total (eV-barns) 50-Sn-117m
 Cross Section -98.91 To 9999. %

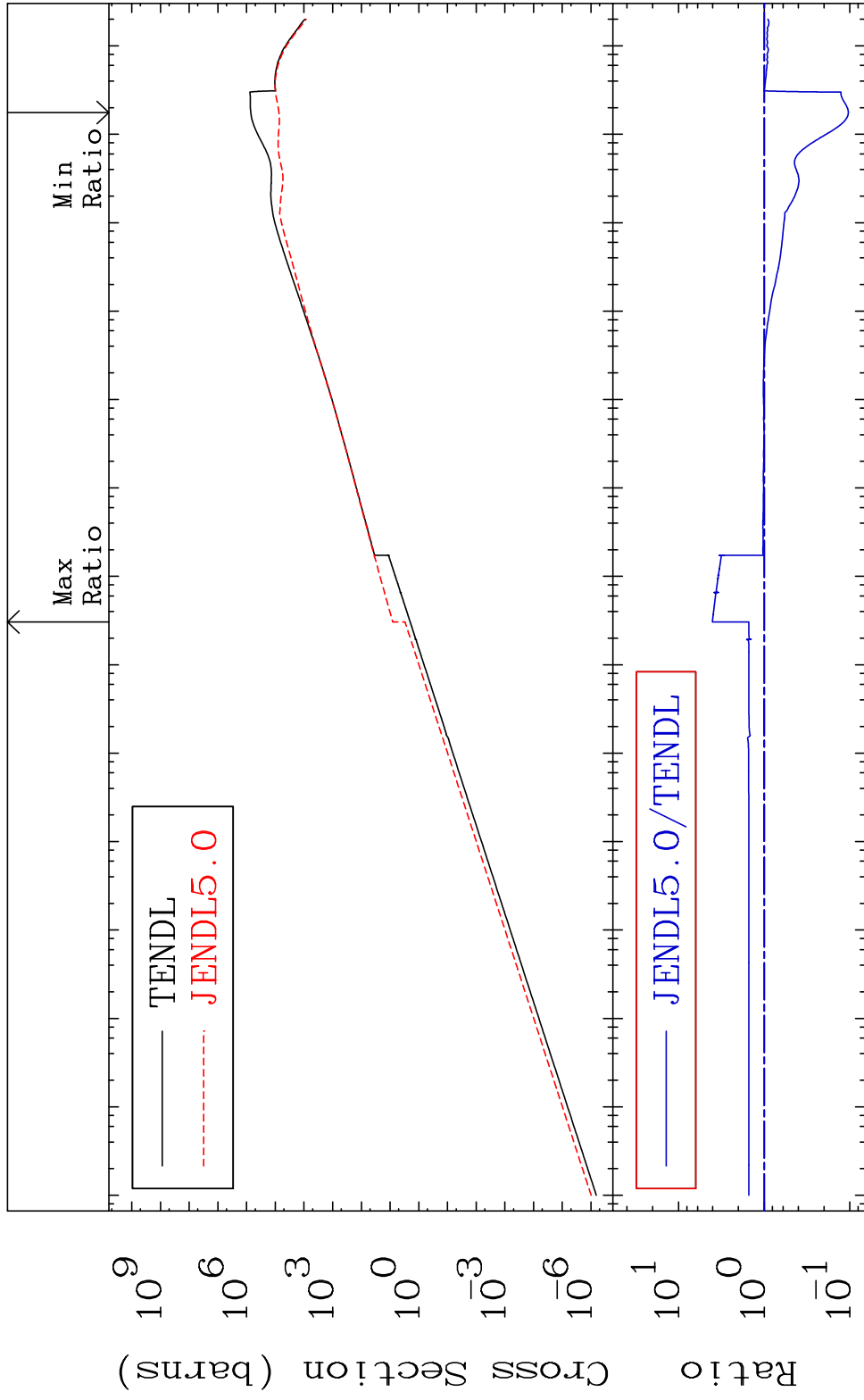


47 Incident Energy (eV) 50-Sn-117m

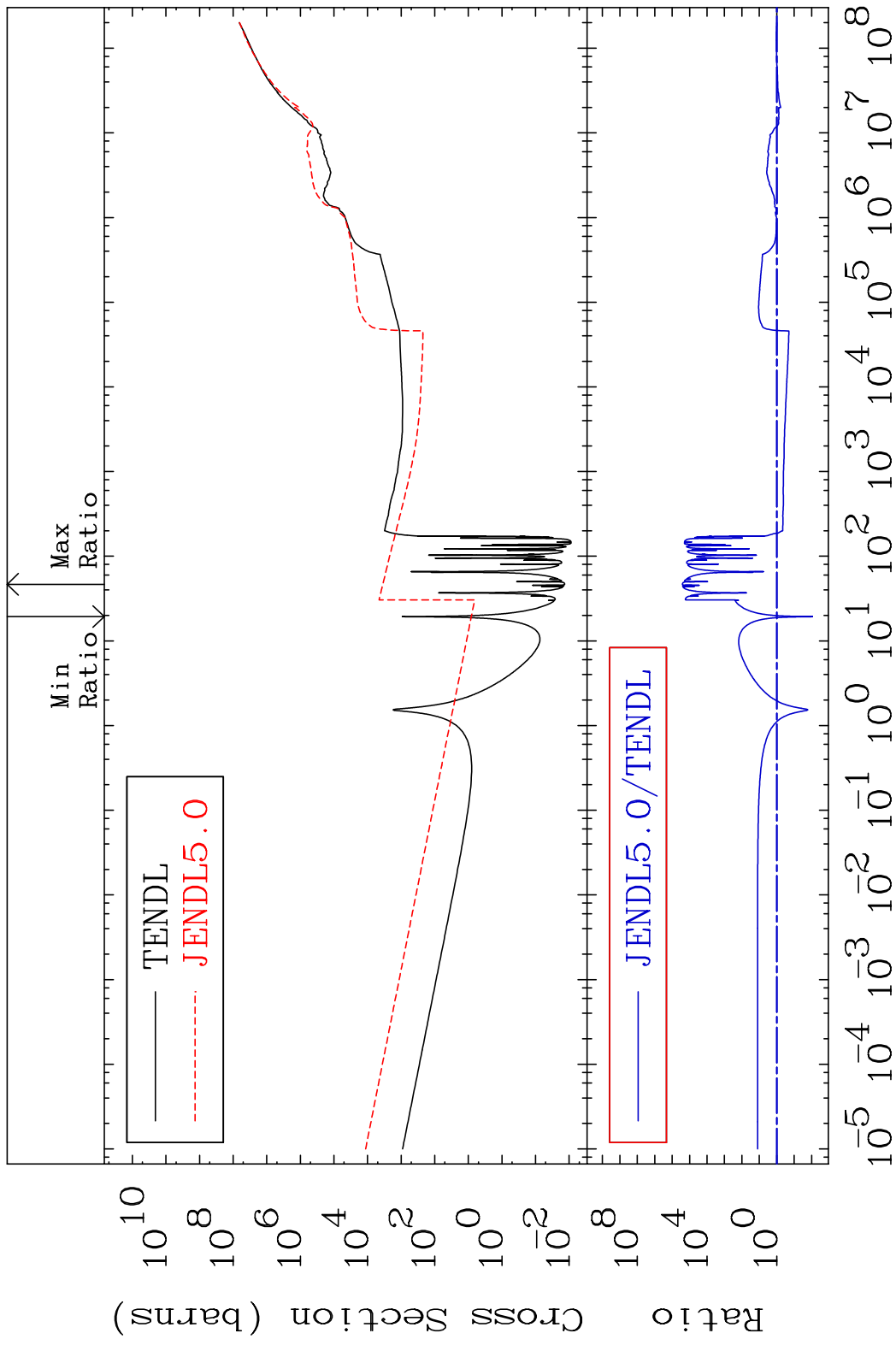
MAT 5041

Kerma elastic
Cross Section

50-Sn-117m
-89.57 To 302.7 %

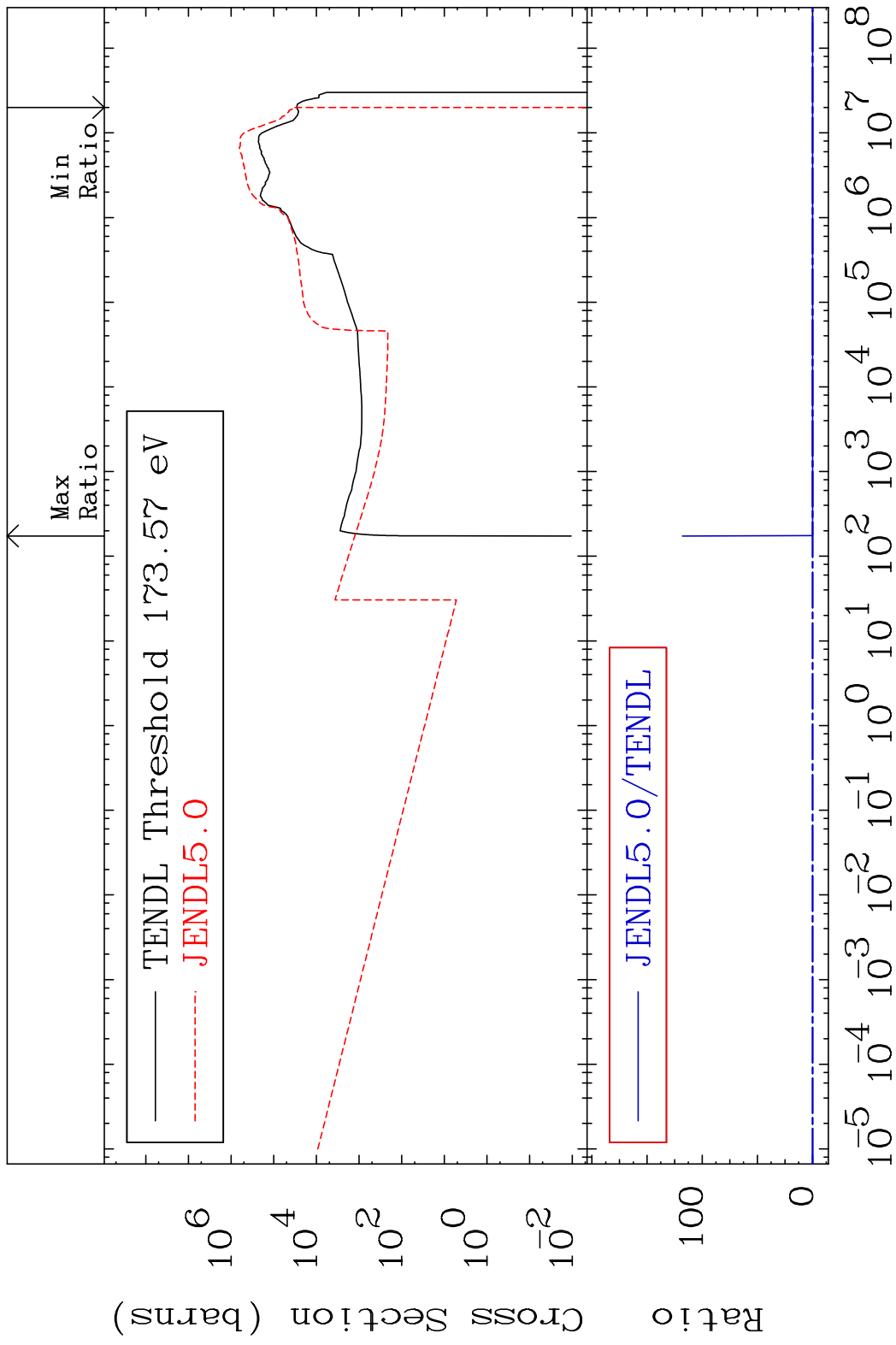


MAT 5041 Kerma non-elastic (all but mt2) 50-Sn-117m
 Cross Section -99.12 To 9999. %



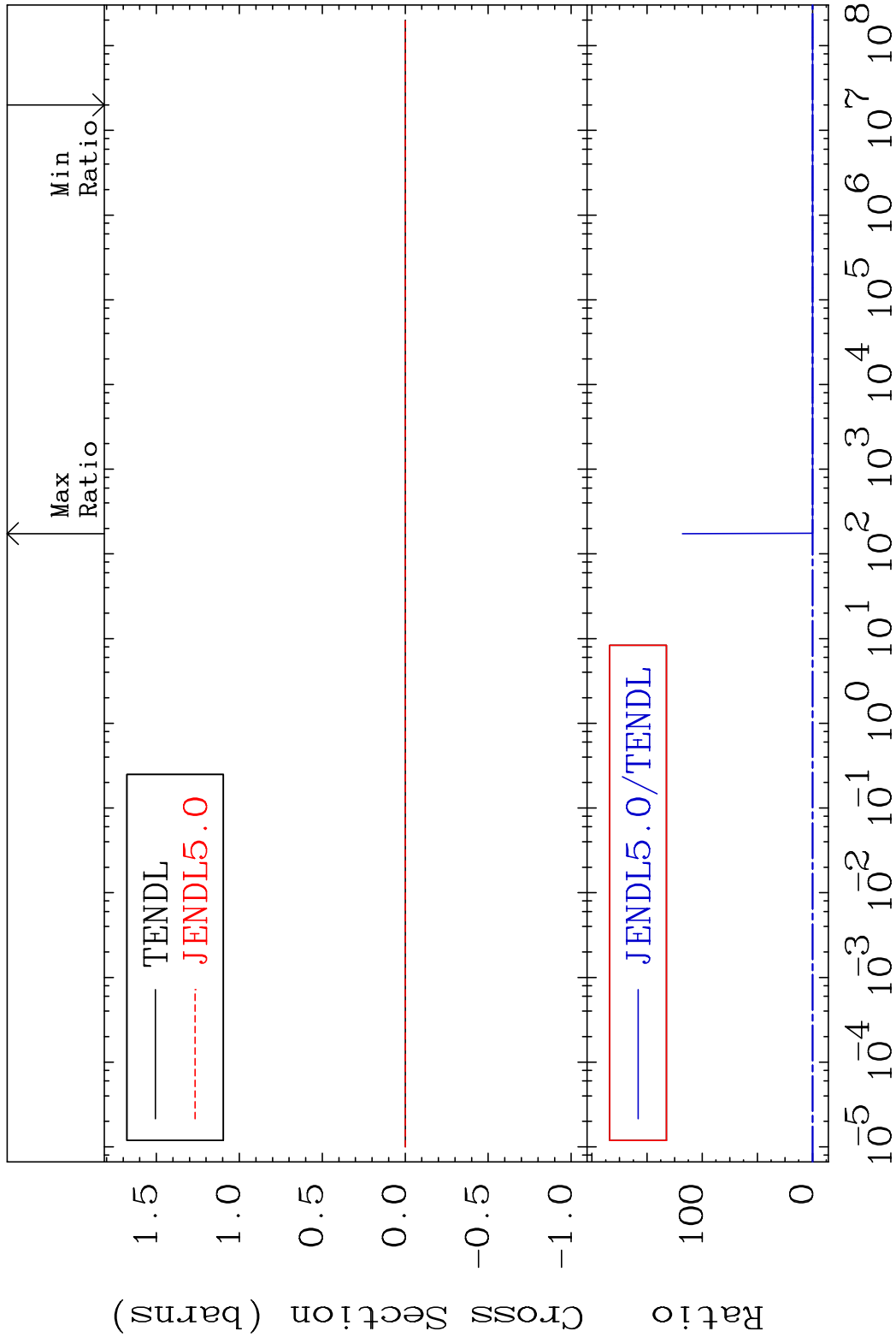
49 Incident Energy (eV) 50-Sn-117m

MAT 5041 Kerma inelastic (mt51-91) 50-Sn-117m
 Cross Section -100.0 To 9999. %

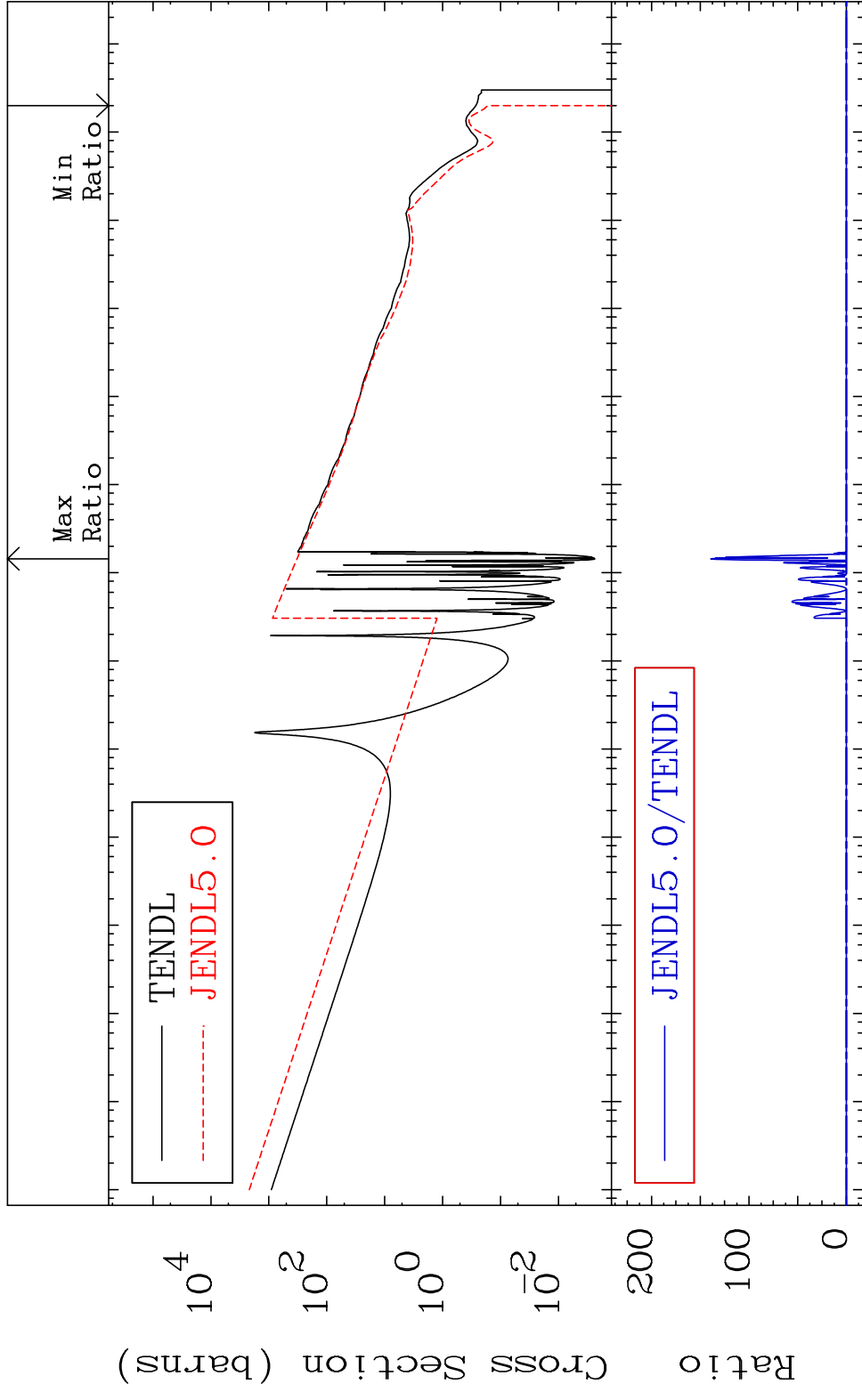


50 50-Sn-117m

MAT 5041 Kerma fission (mt18 or mt19-20-21-350)-Sn-117m
 Cross Section -100.0 To 9999. %

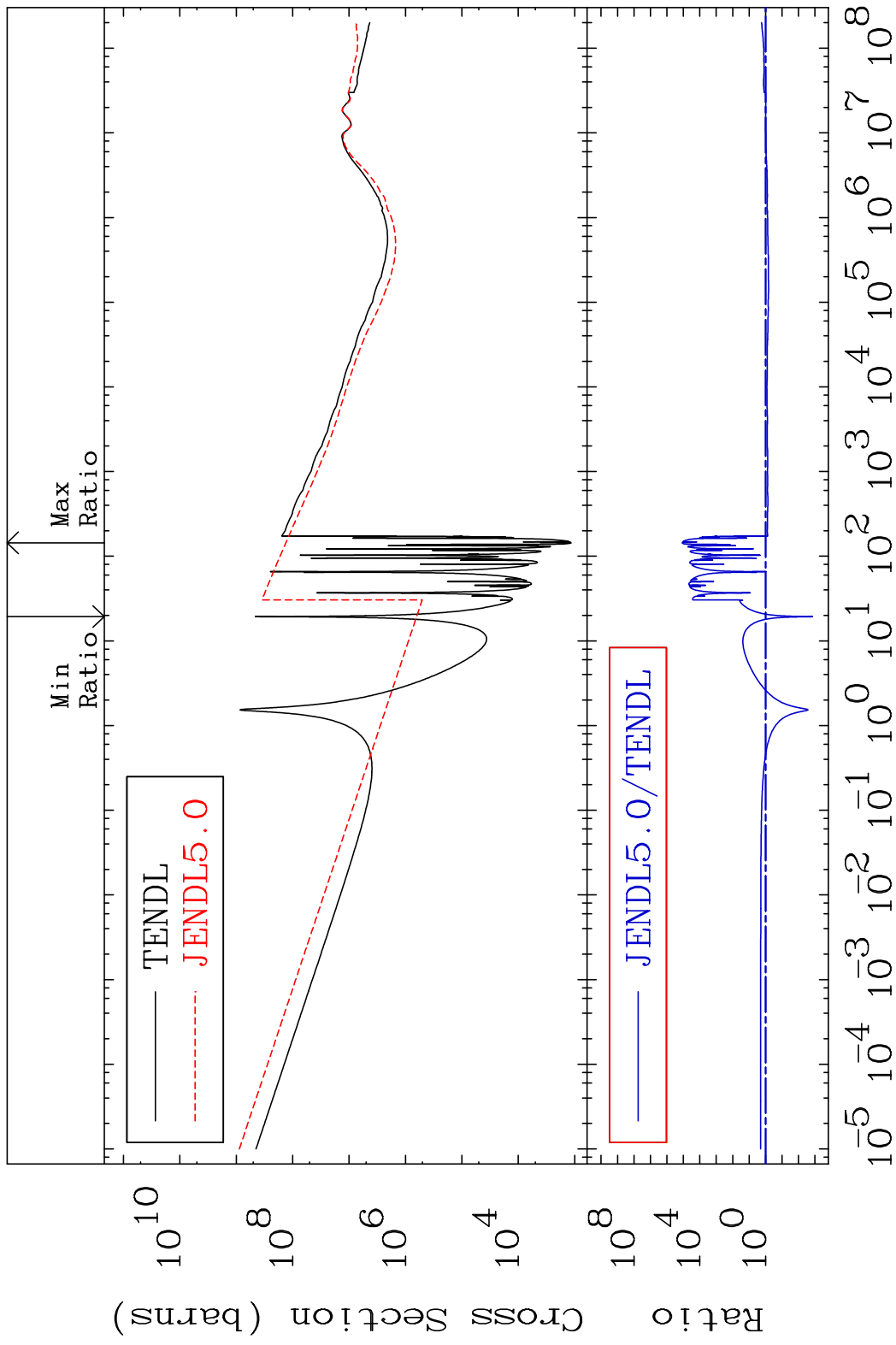


MAT 5041 Kerma capture (mt102) 50-Sn-117m
 Cross Section -100.0 To 9999. %

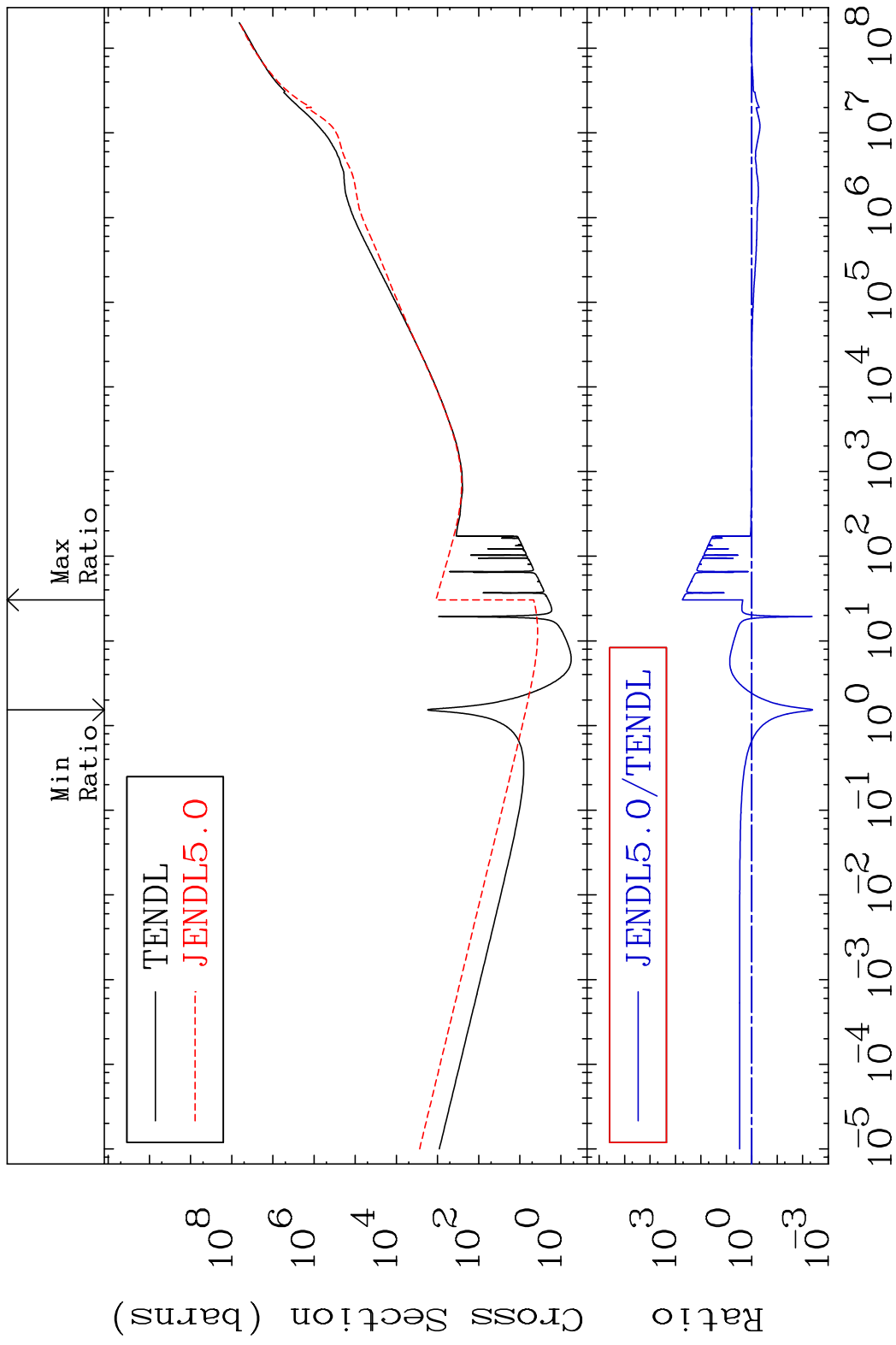


52 Incident Energy (eV) 50-Sn-117m

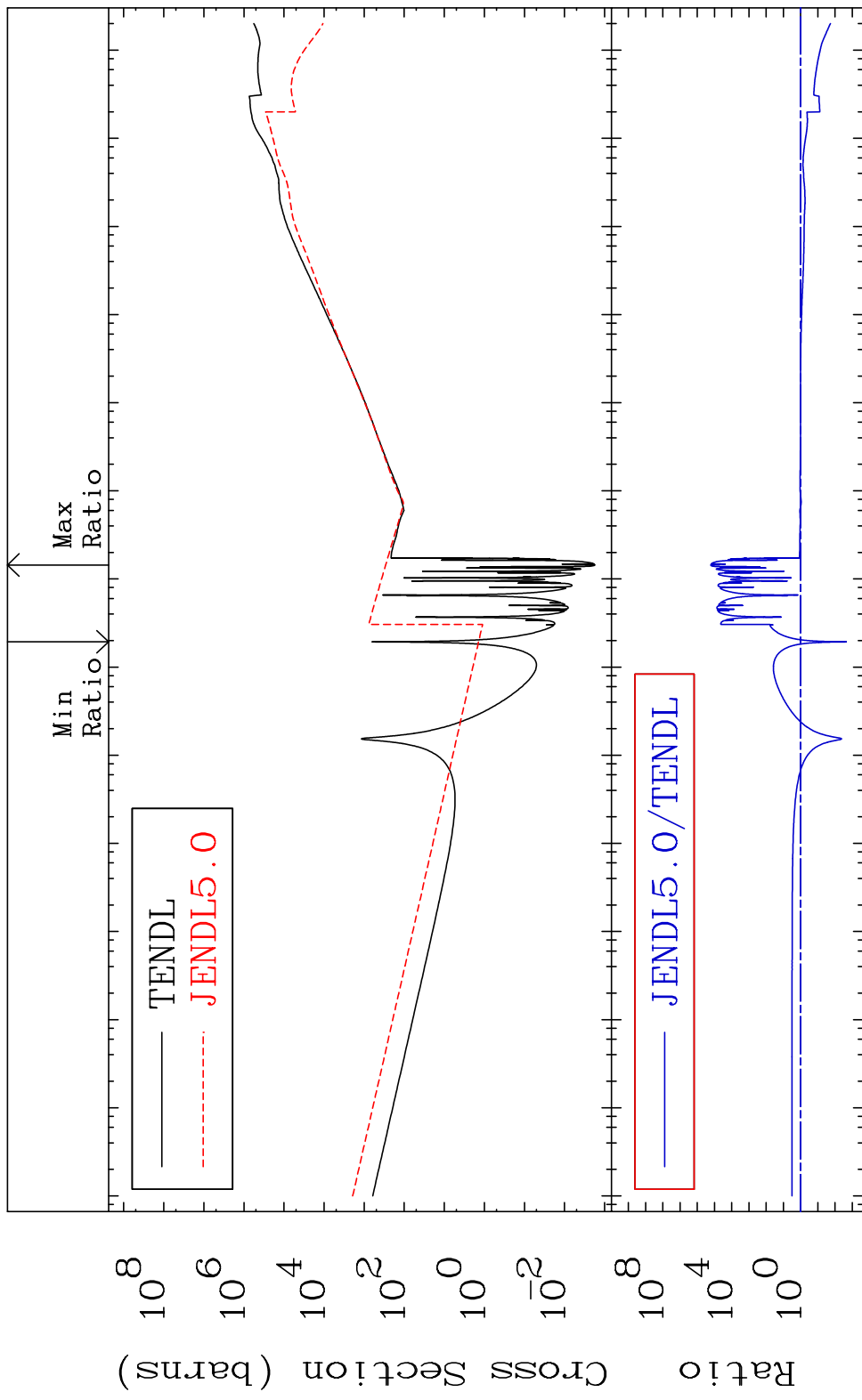
MAT 5041 Total photon (eV-barns) 50-Sn-117m
 Cross Section -99.86 To 9999. %



MAT 5041 Total kinematic kerma (high limit)50-Sn-117m
 Cross Section -99.59 To 9999. %

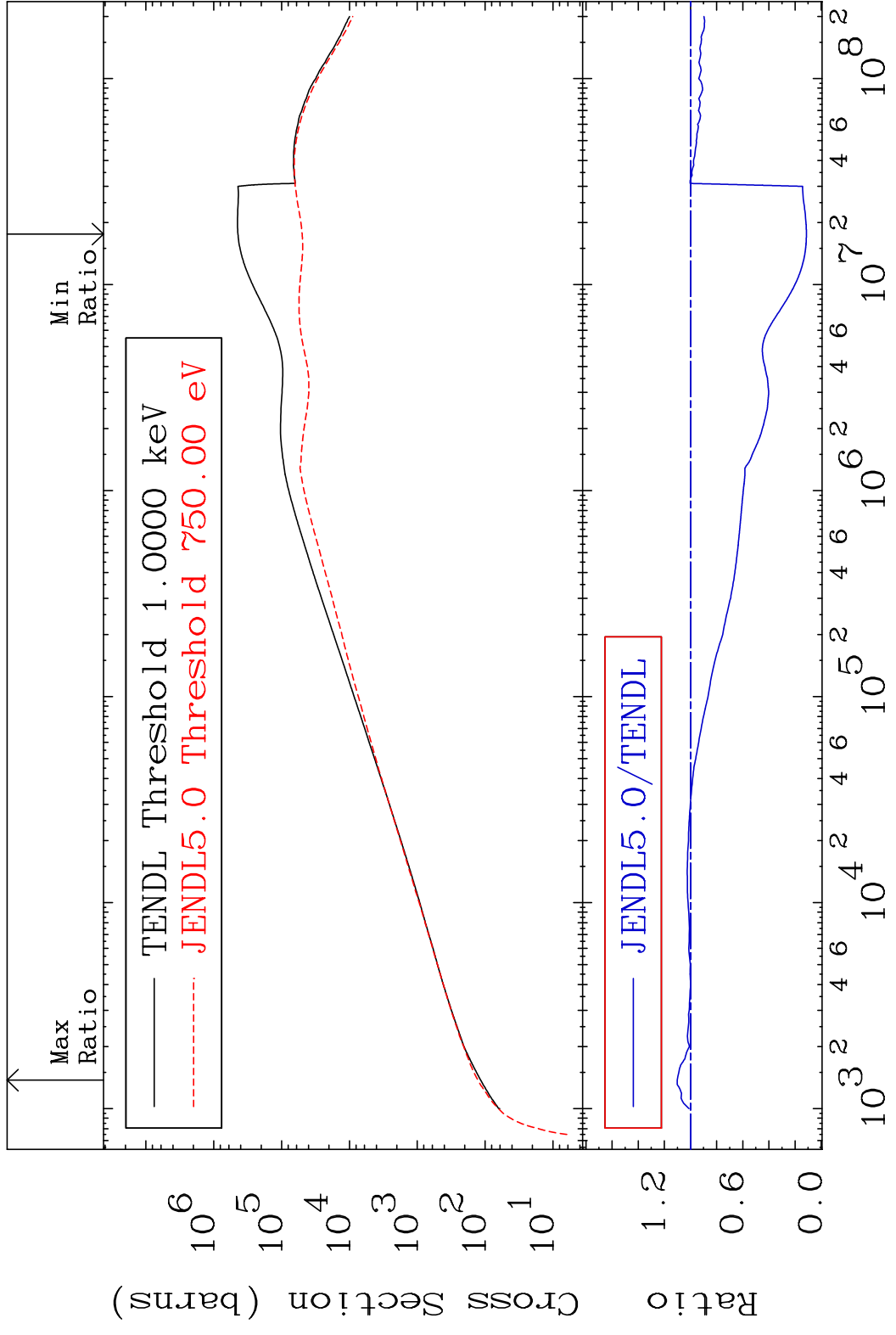


MAT 5041 Dpa total (eV-barns) 50-Sn-117m
 Cross Section -99.78 To 9999. %

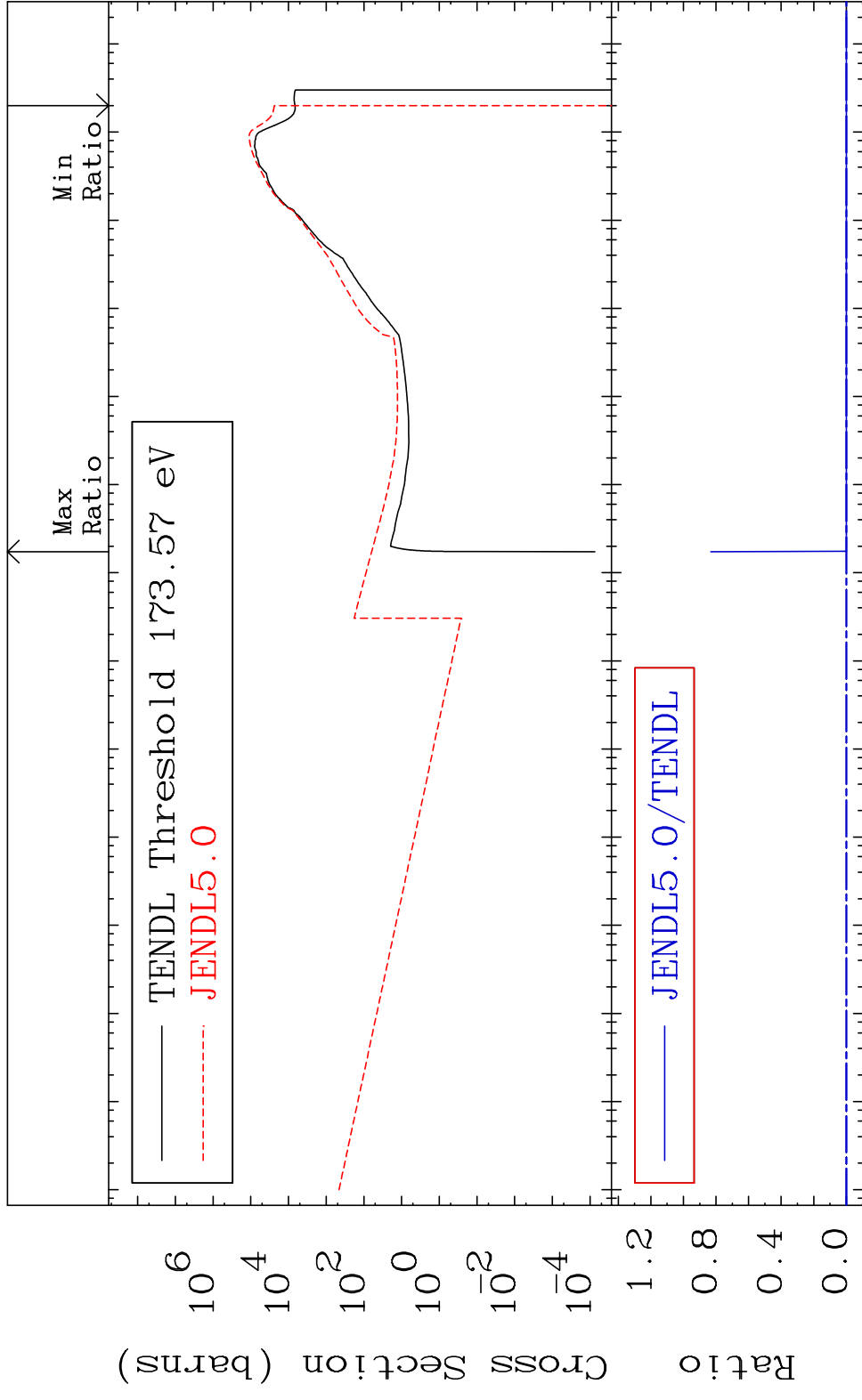


55 Incident Energy (eV) 50-Sn-117m

MAT 5041 Dpa elastic (mt2) 50-Sn-117m
 Cross Section -88.68 To 10.18 %



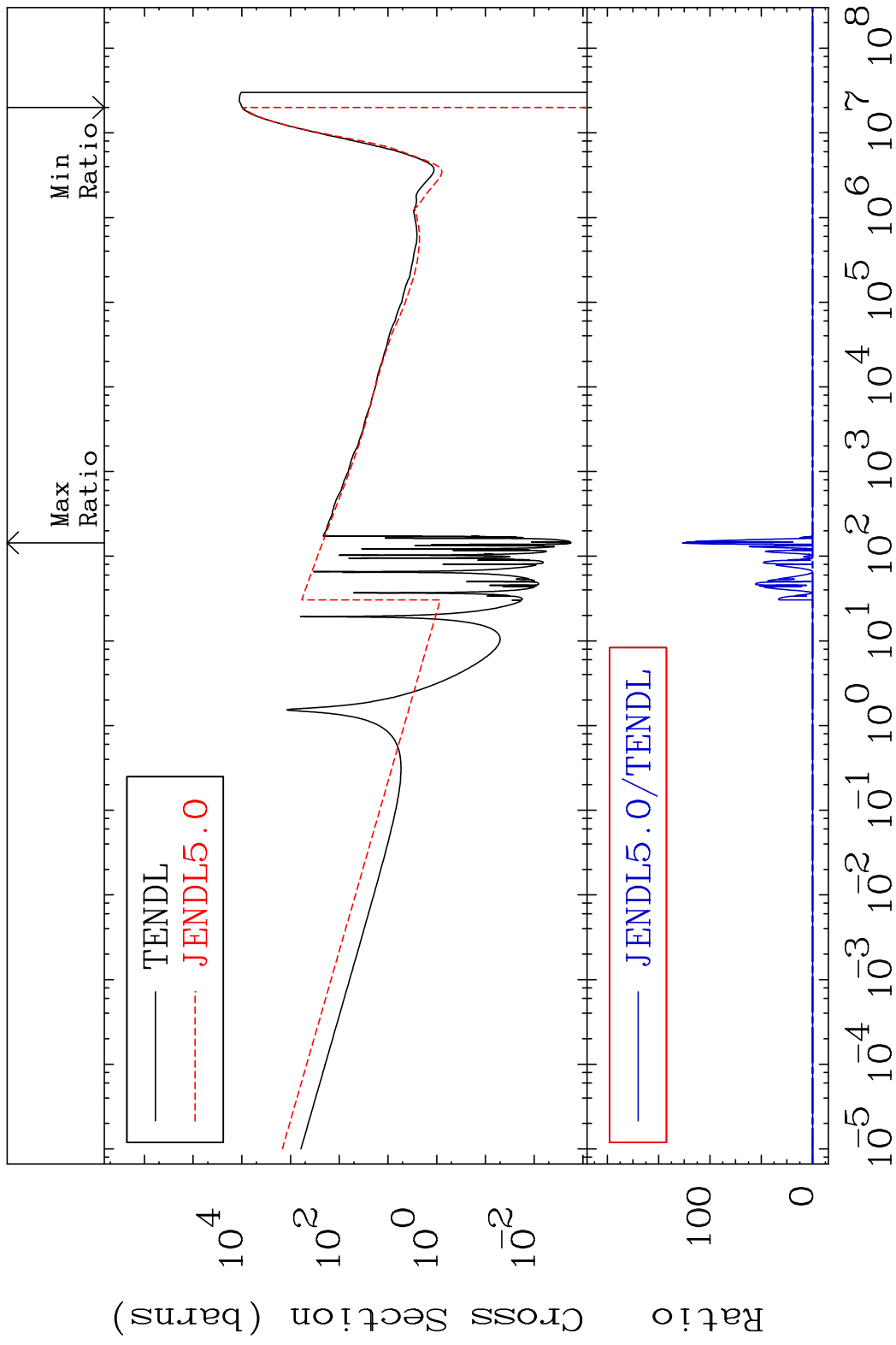
MAT 5041 Dpa inelastic (mt51-91) 50-Sn-117m
 Cross Section -100.0 To 9999. %



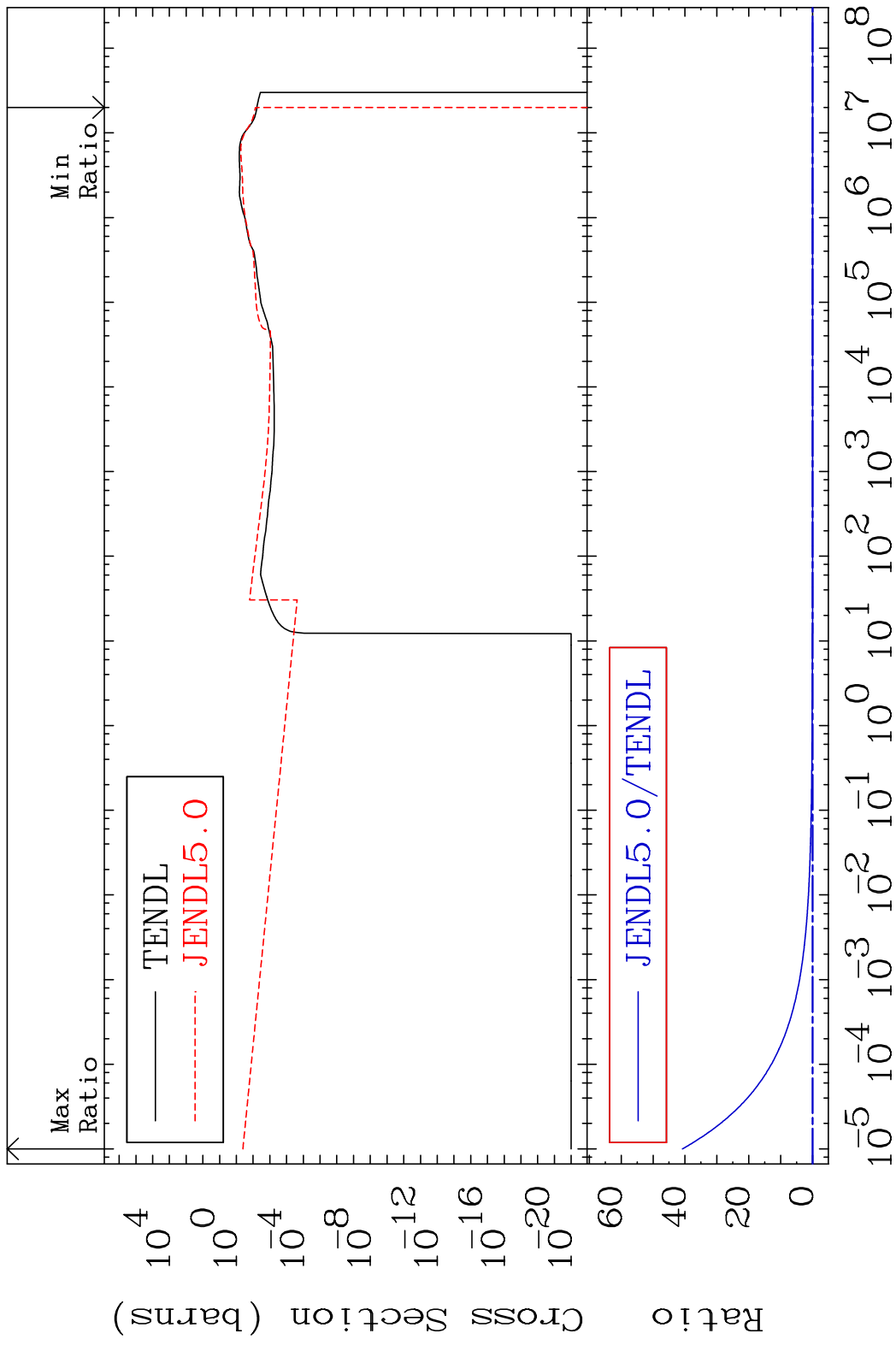
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

57 Incident Energy (eV) 50-Sn-117m

MAT 5041 Dpa disappearance (mt102 -120) 50-Sn-117m
 Cross Section -100.0 To 9999. %

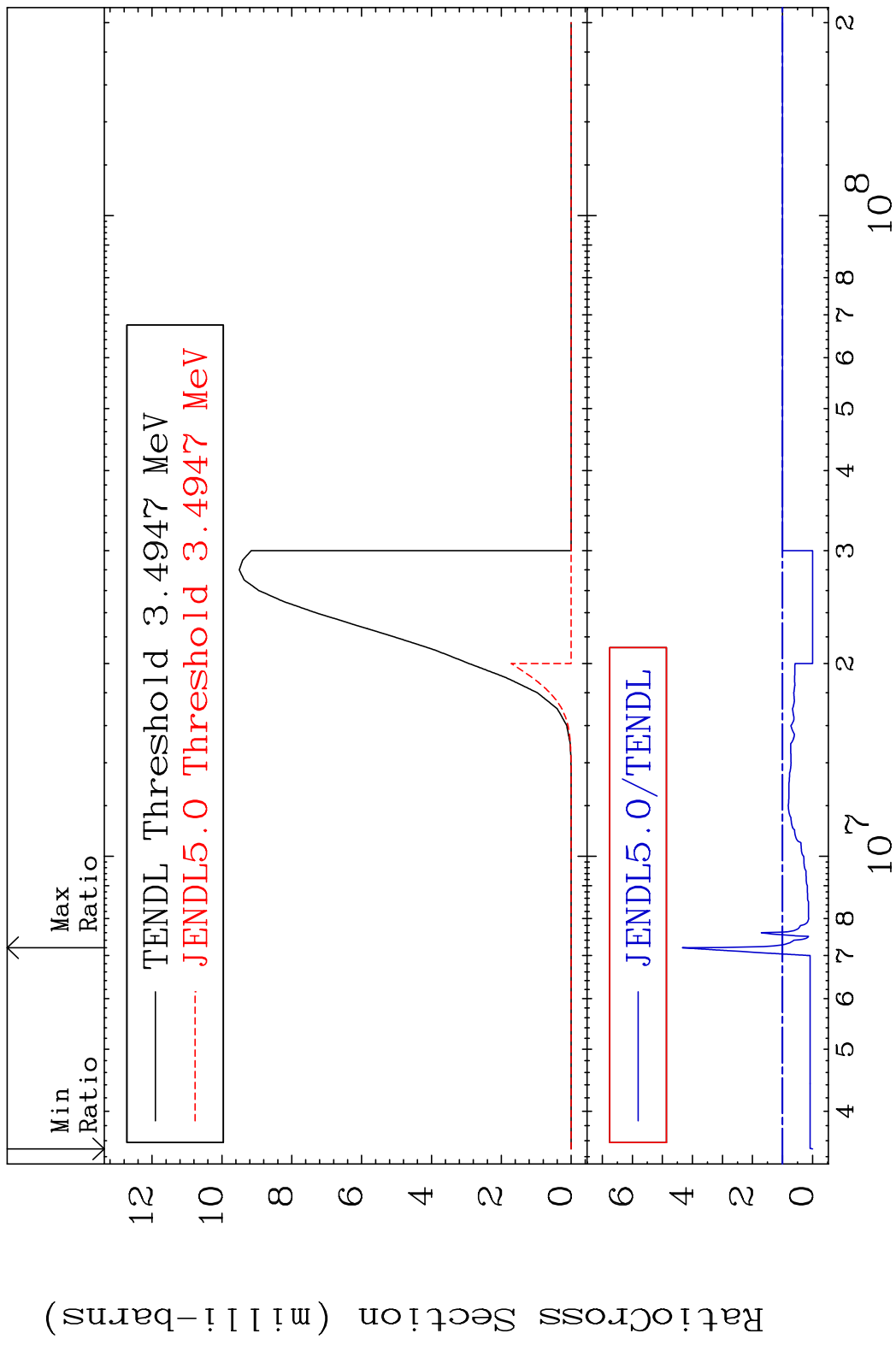


MAT 5041 Inelastic:50-Sn-117g 50-Sn-117m
 Radionuclide Production Cross Section Ratio 9999. %

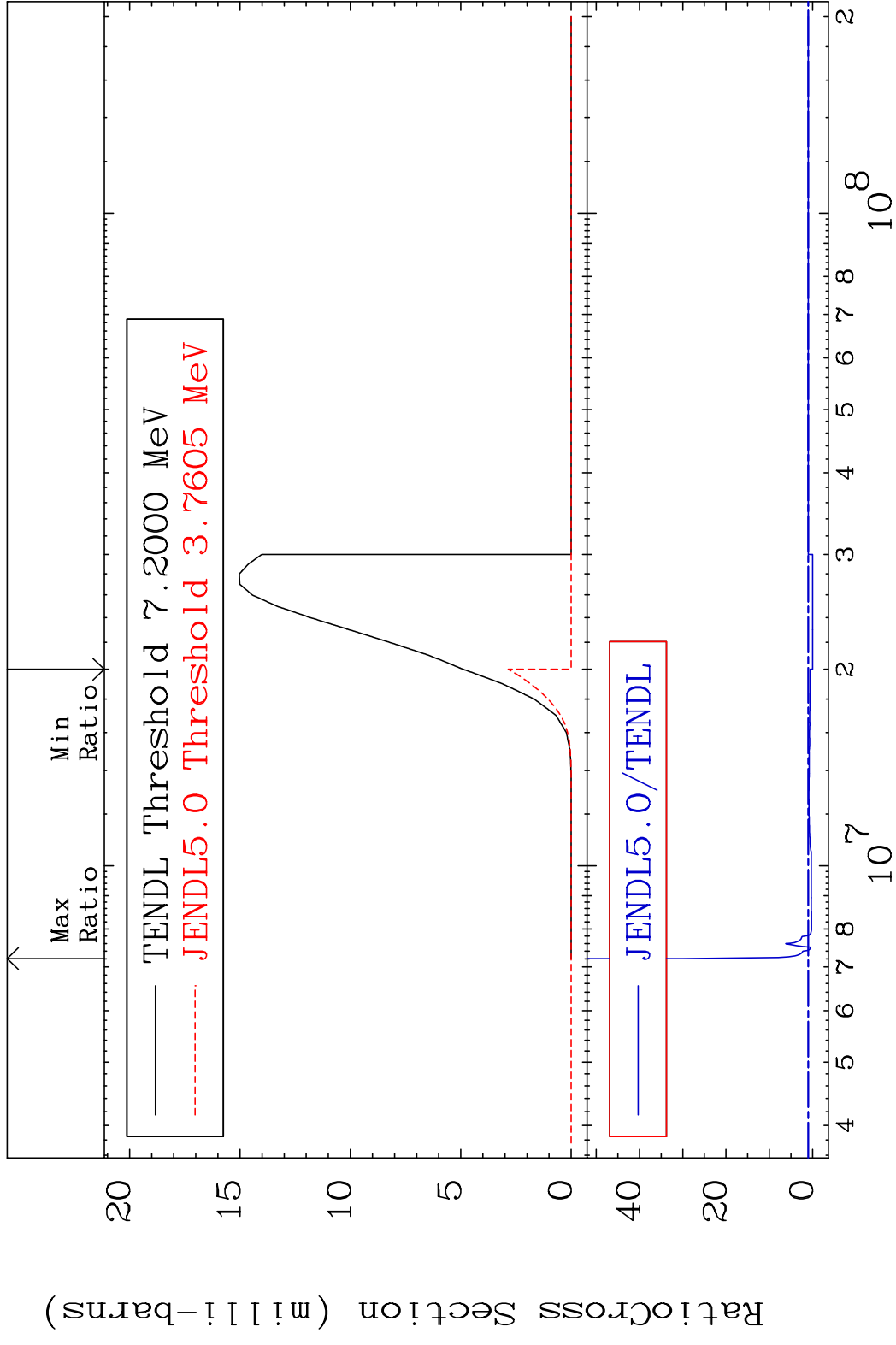


59 Incident Energy (eV) 50-Sn-117m

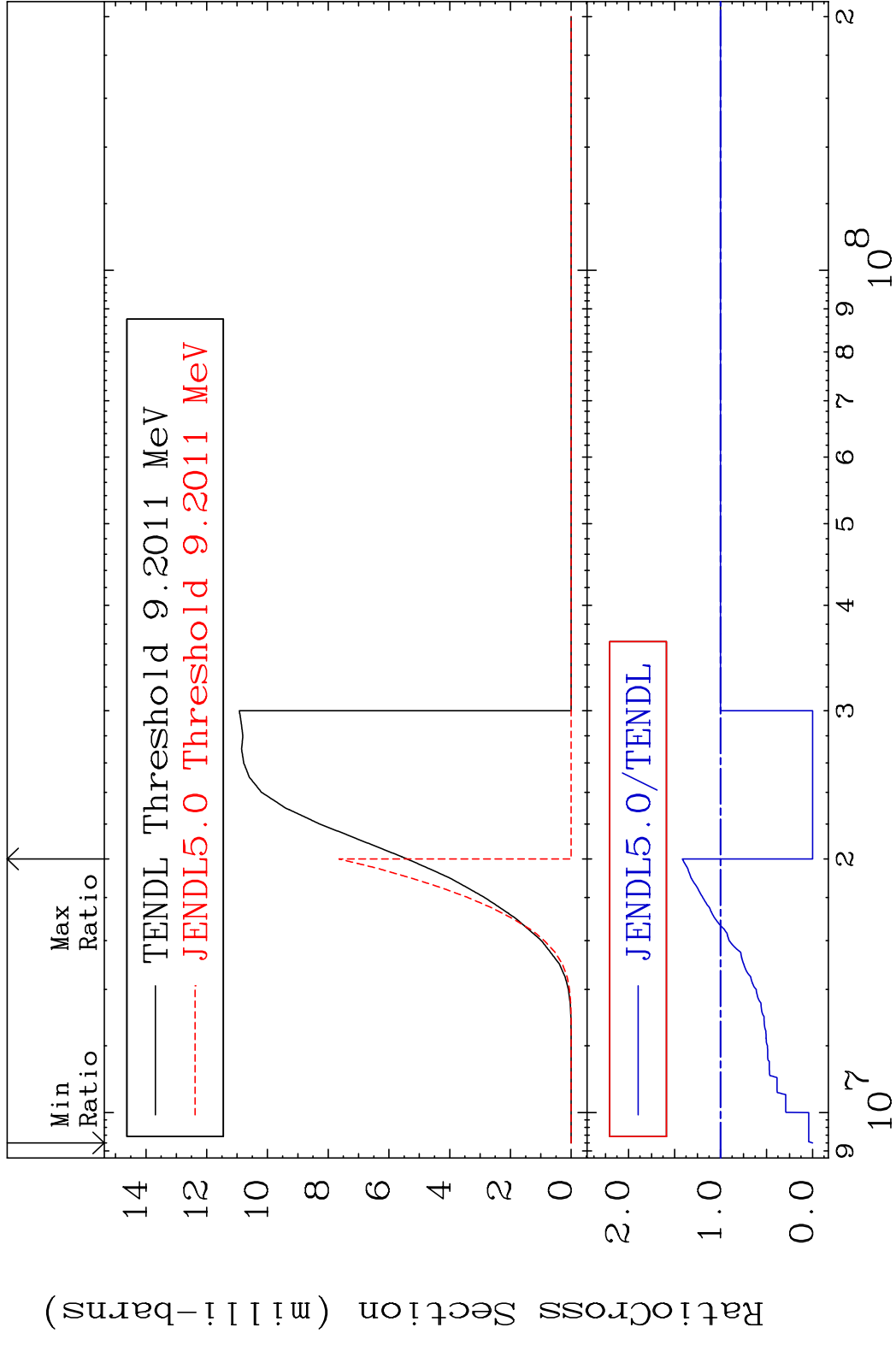
MAT 5041 (n, n') α :48-Cd-113g 50-Sn-117m
 Radionuclide Production Cross Section to 333.5 %



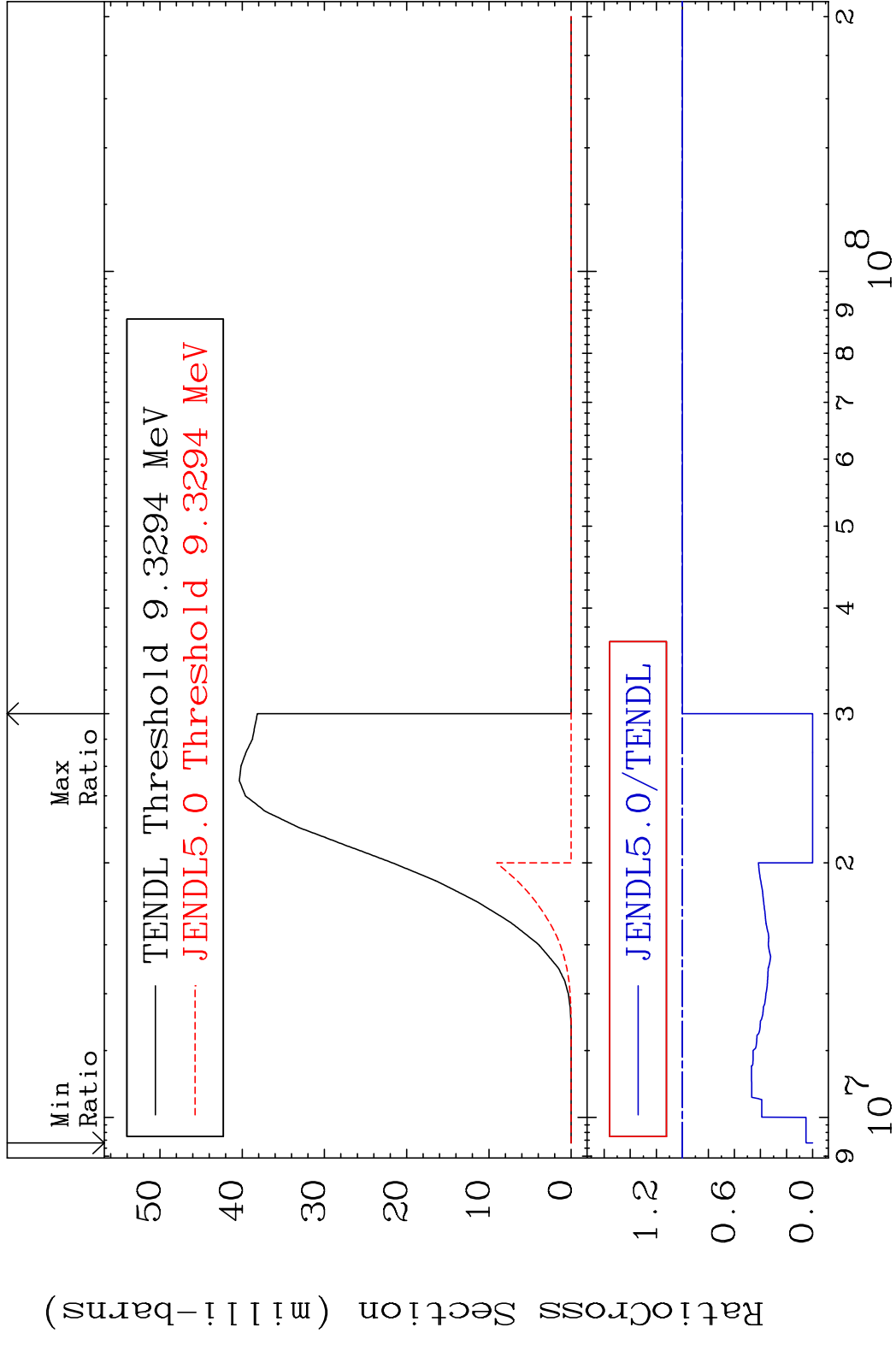
MAT 5041 (n, n') α :48-Cd-113m1 50-Sn-117m
 Radionuclide Production Cross Section to 2909. %



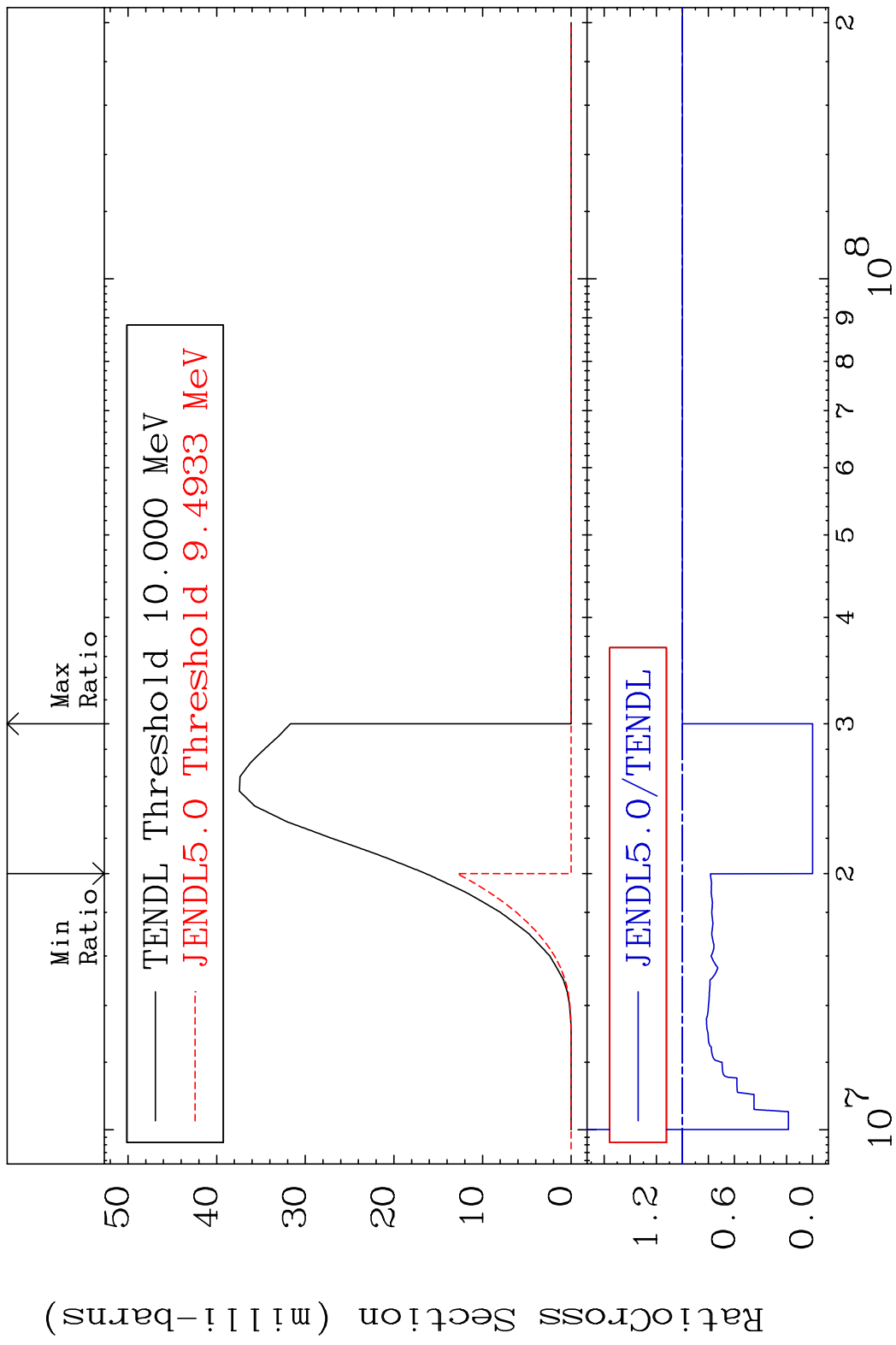
MAT 5041 (n, n') p:49-In-116g 50-Sn-117m
 Radionuclide Production Cross Section 41.50 %



MAT 5041 (n, n') p:49-In-116m1 50-Sn-117m
 Radionuclide Production Cross Section 180.0 dth 0.000 %

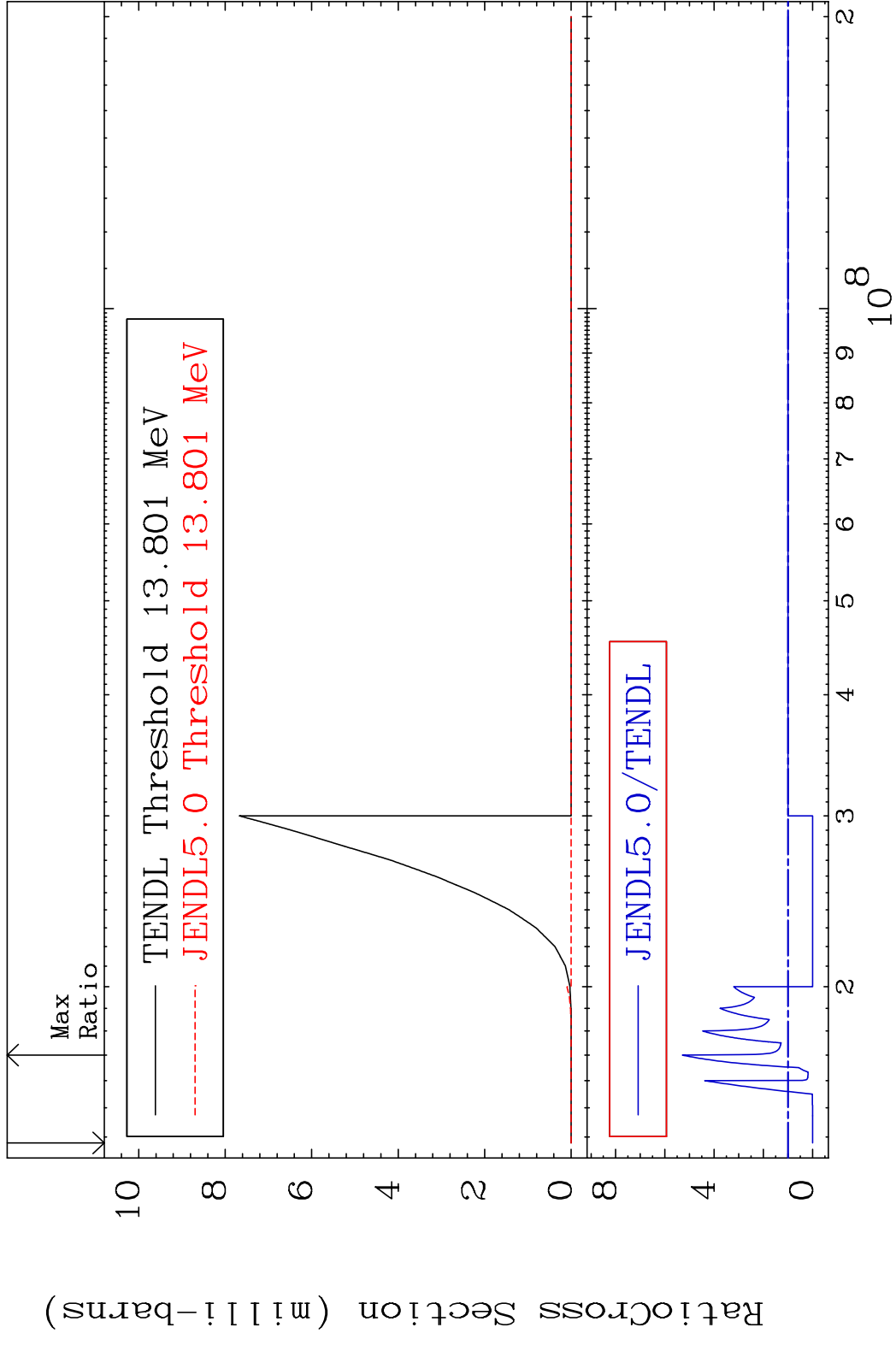


MAT 5041 (n, n') p:49-In-116m4 50-Sn-117m
 Radionuclide Production Cross Section 180.01 dth 0.000 %

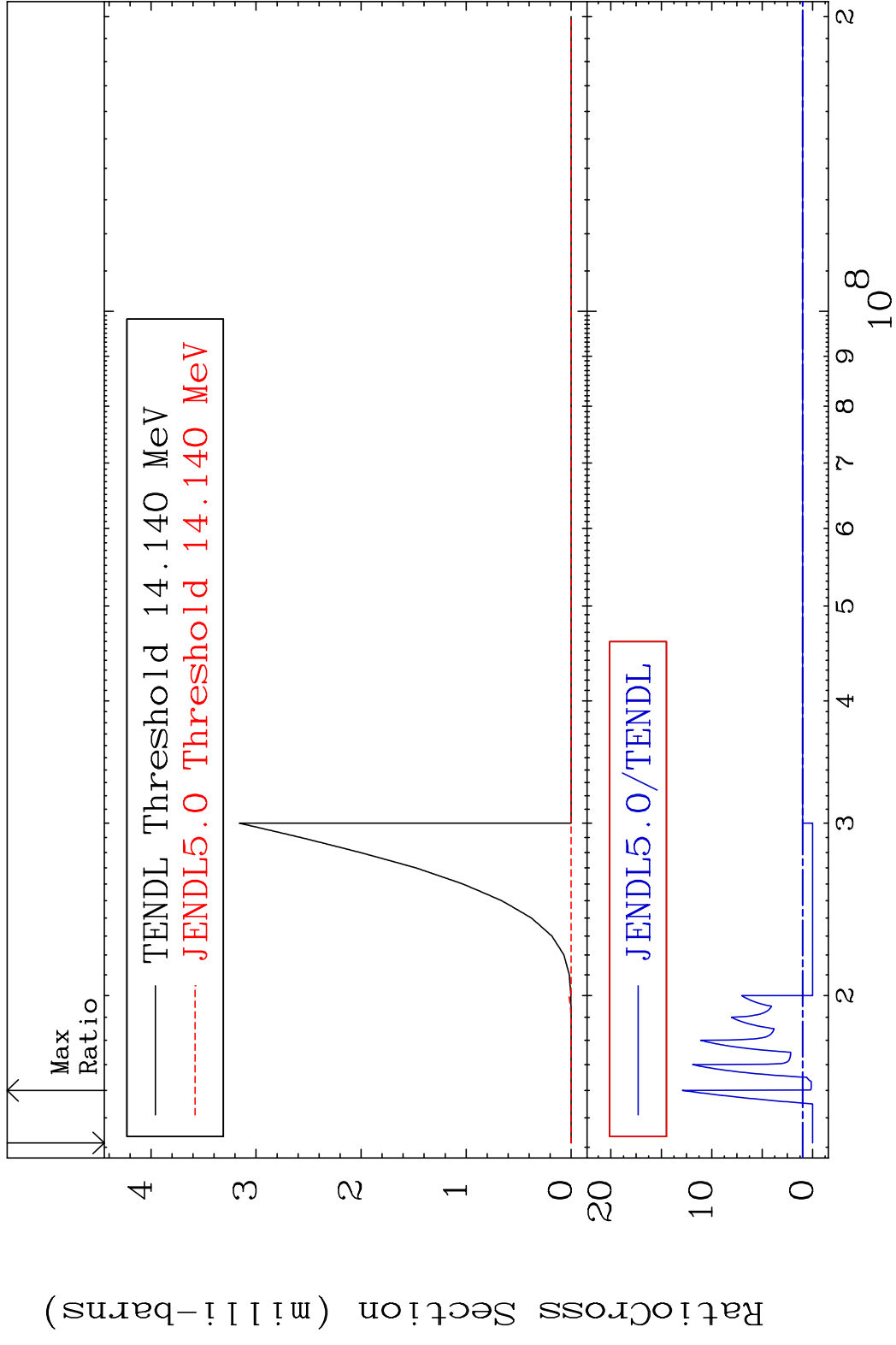


64 Incident Energy (eV) 50-Sn-117m

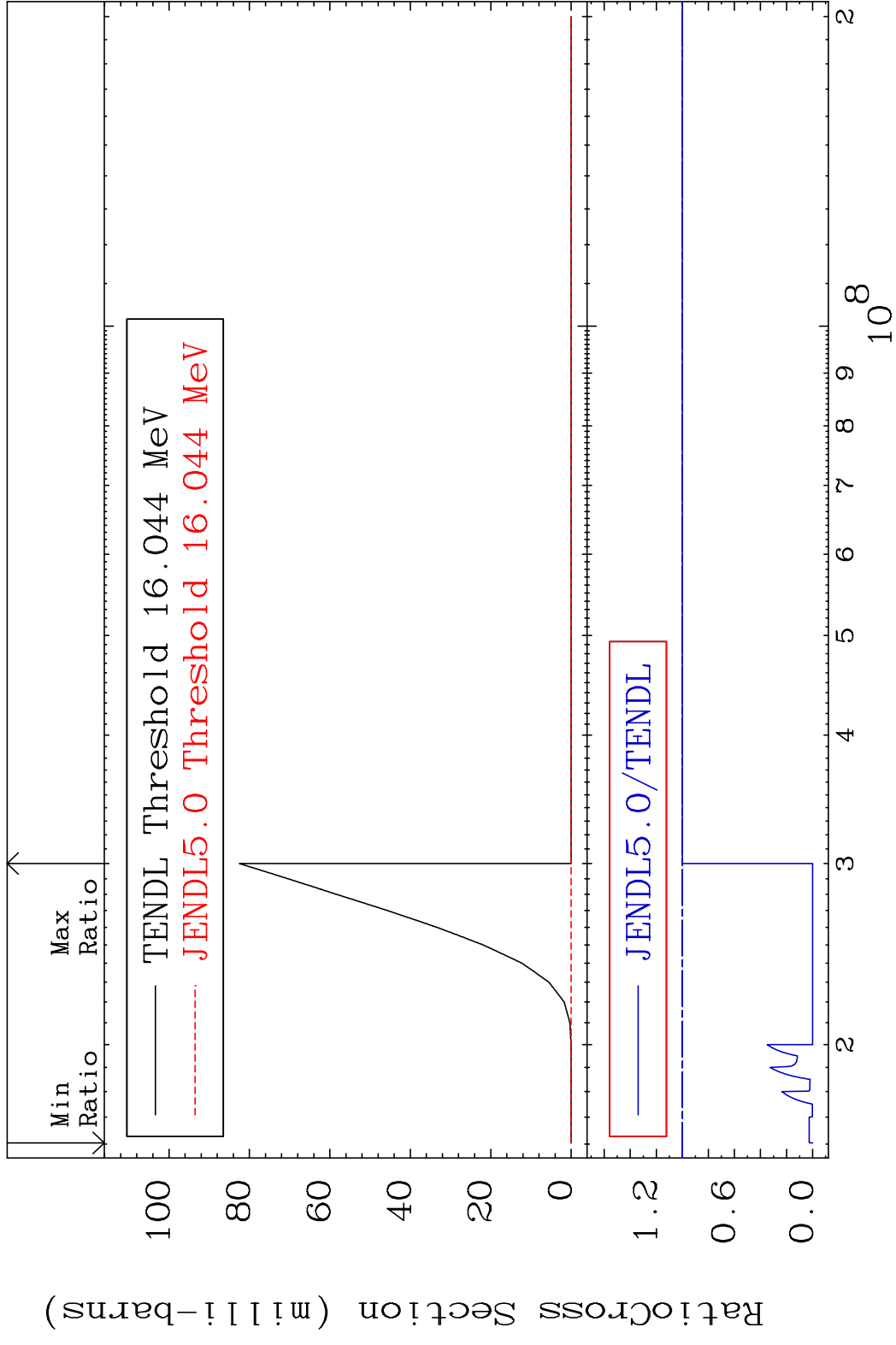
MAT 5041 (n, n') d:49-In-115g 50-Sn-117m
 Radionuclide Production Cross Section 180.0 dth 429.0 %



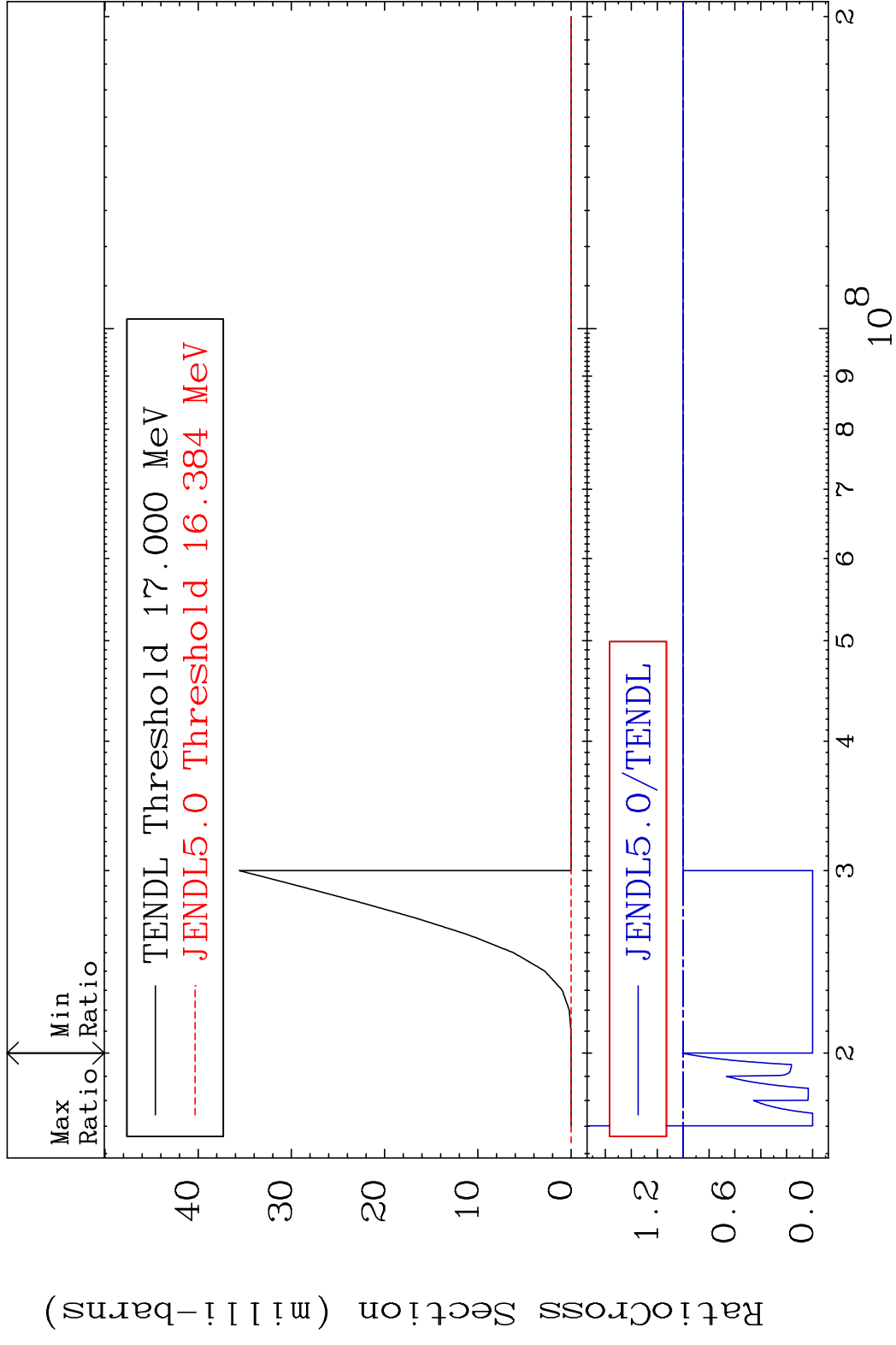
MAT 5041 (n, n') d:49-In-115m1 50-Sn-117m
 Radionuclide Production Cross Section 1800 d to 1191 . %



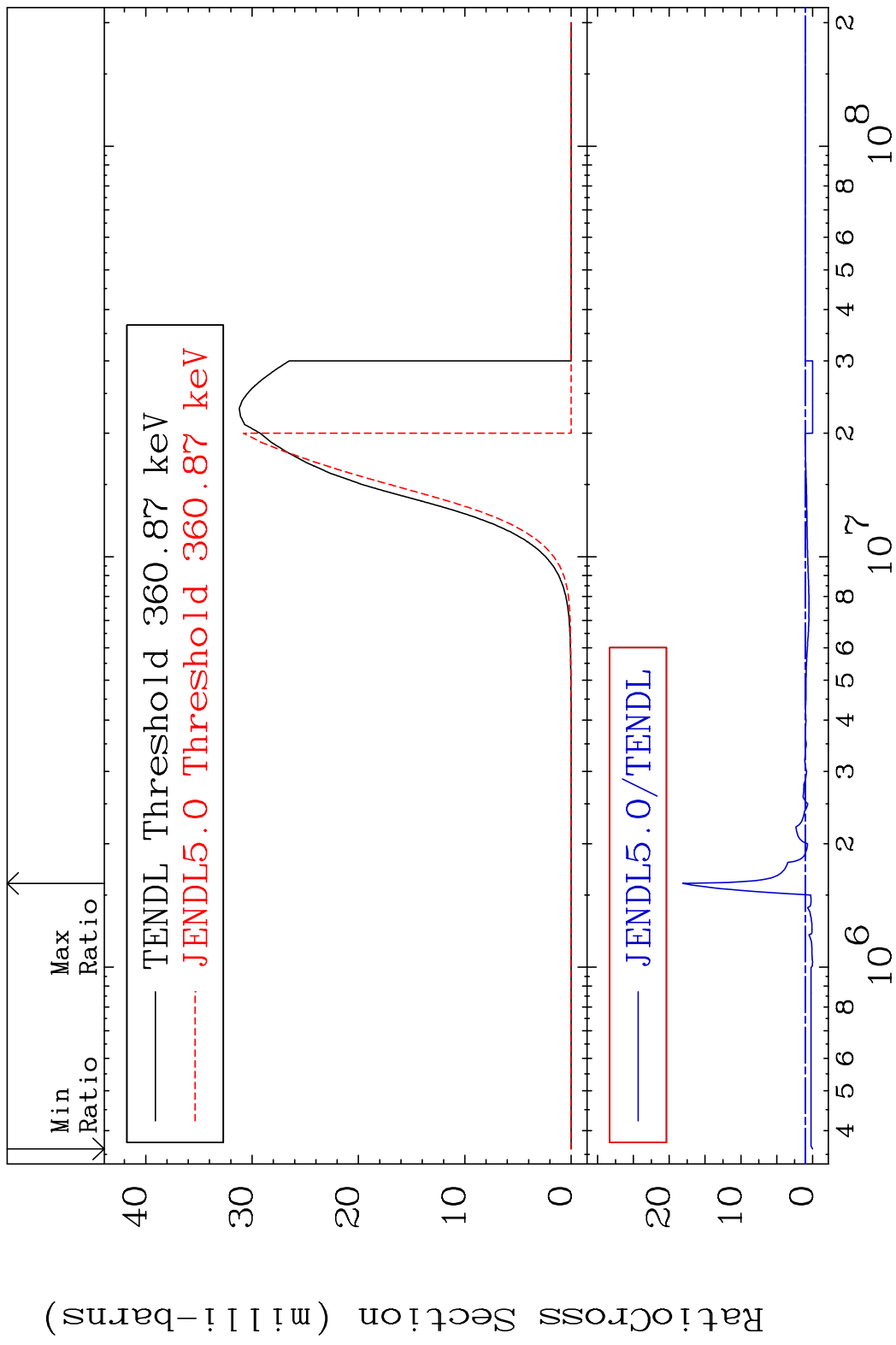
MAT 5041 (n,2n) p:49-In-115g 50-Sn-117m
 Radionuclide Production Cross Section 180.01 mb 0.000 %



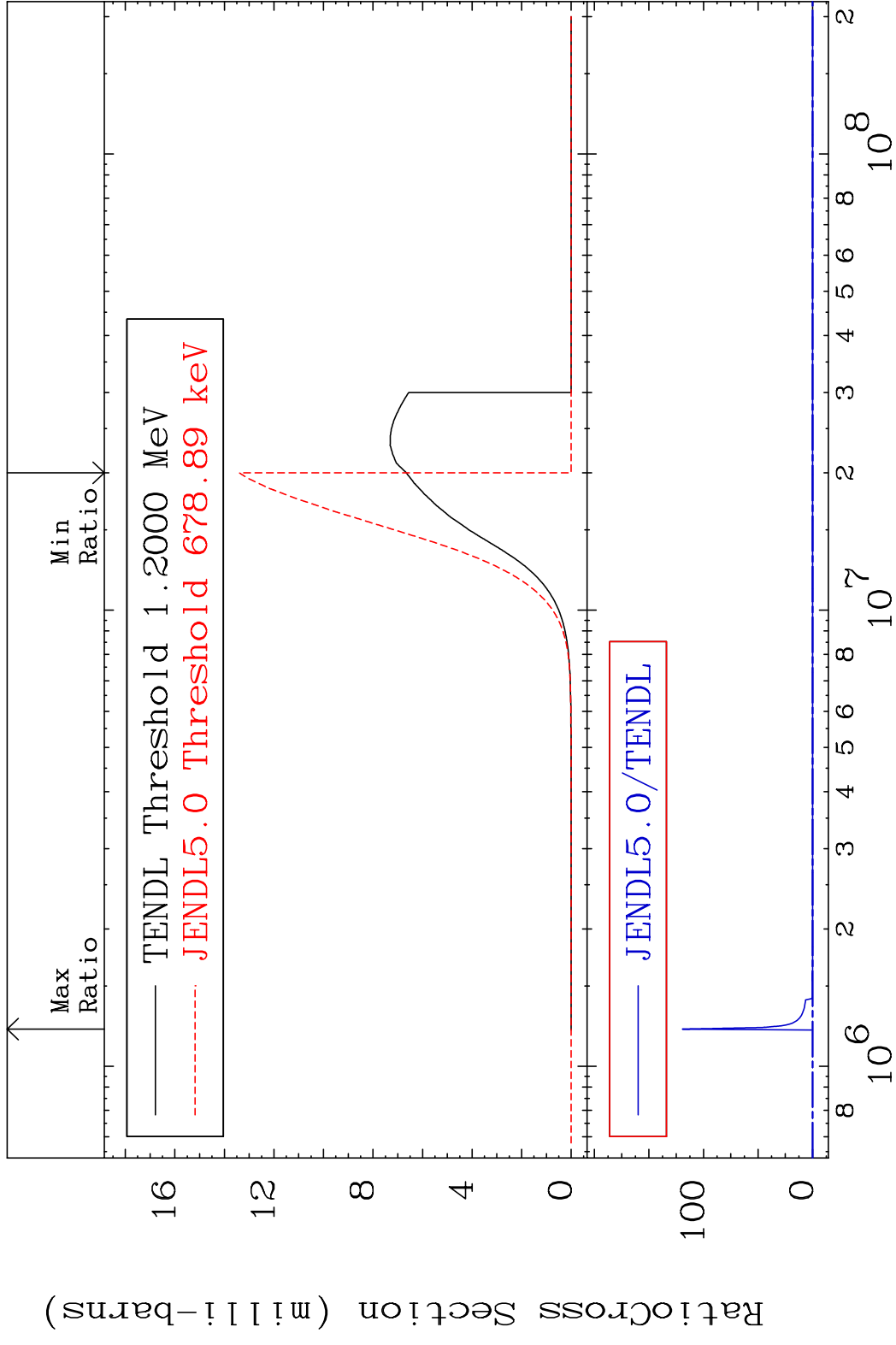
MAT 5041 (n,2n) p:49-In-115m1 50-Sn-117m
 Radionuclide Production Cross Section Ratio 0.567 %



MAT 5041 (n,p):49-In-117g 50-Sn-117m
 Radionuclide Production Cross Section 1800.0 dth 1717. %

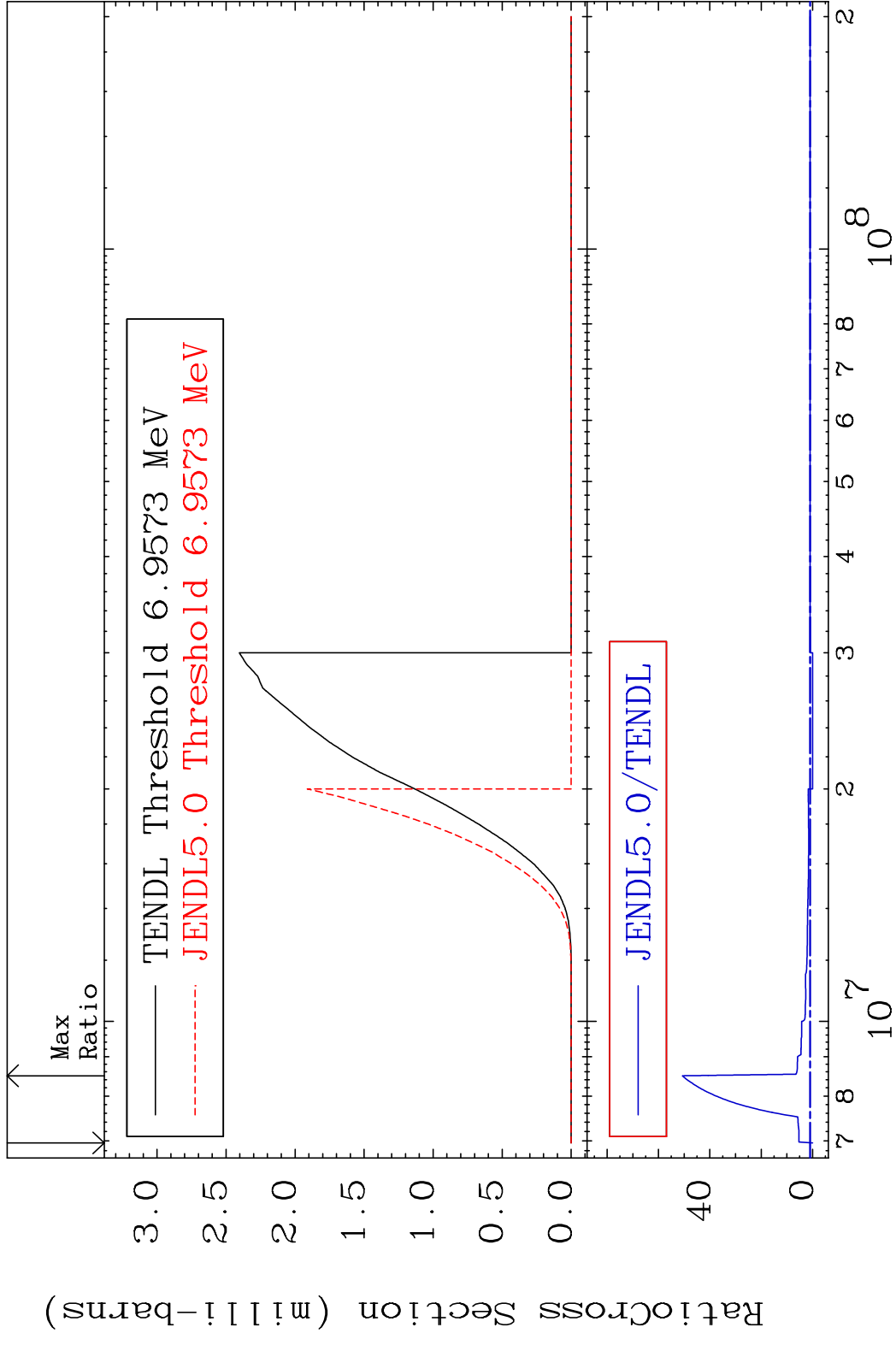


MAT 5041 (n, p): 49-In-117m1 50-Sn-117m
 Radionuclide Production Cross Section to 9999. %

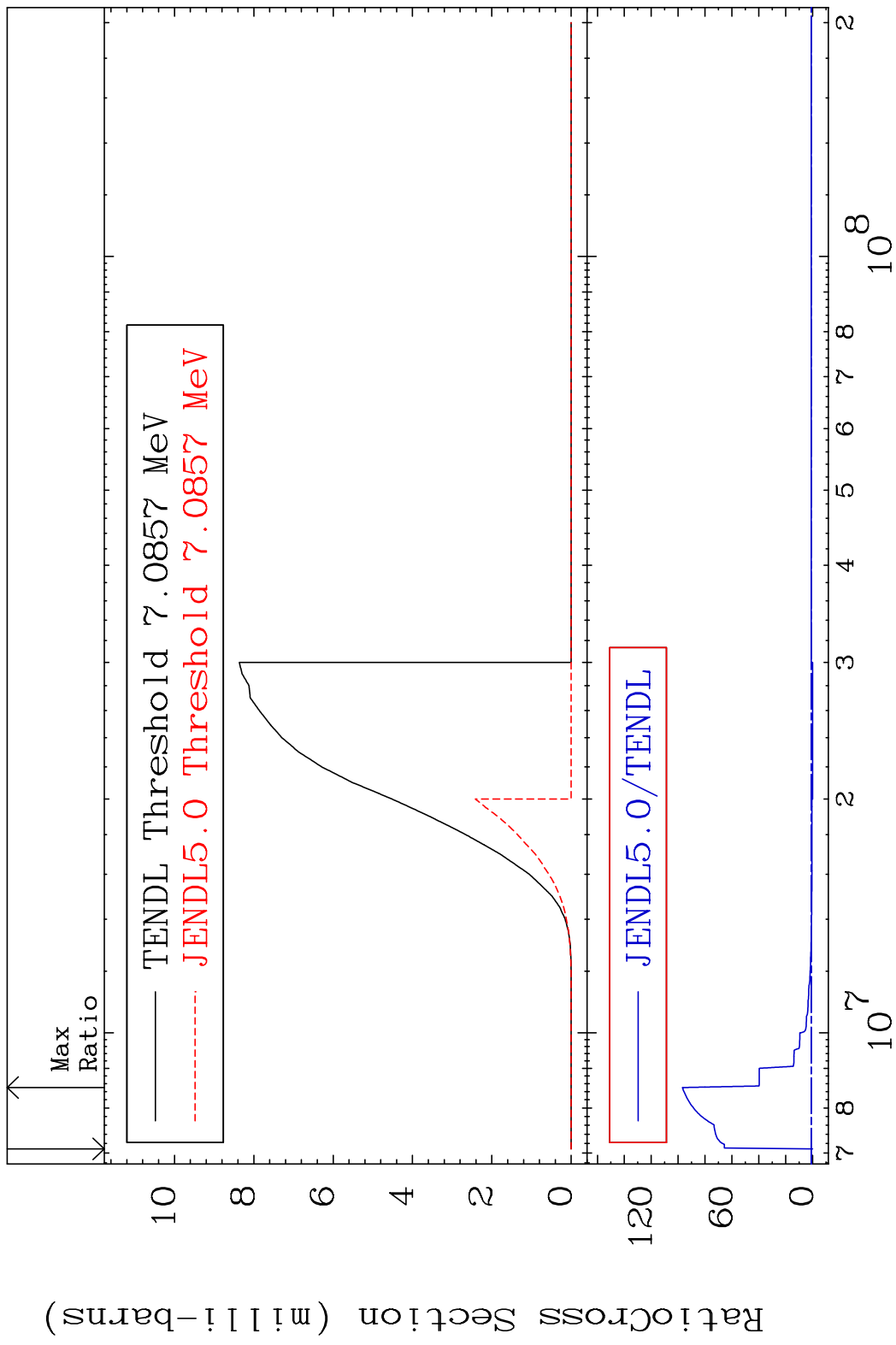


70 Incident Energy (eV) 50-Sn-117m

MAT 5041 (n,d):49-In-116g 50-Sn-117m
 Radionuclide Production Cross Section 4971. %

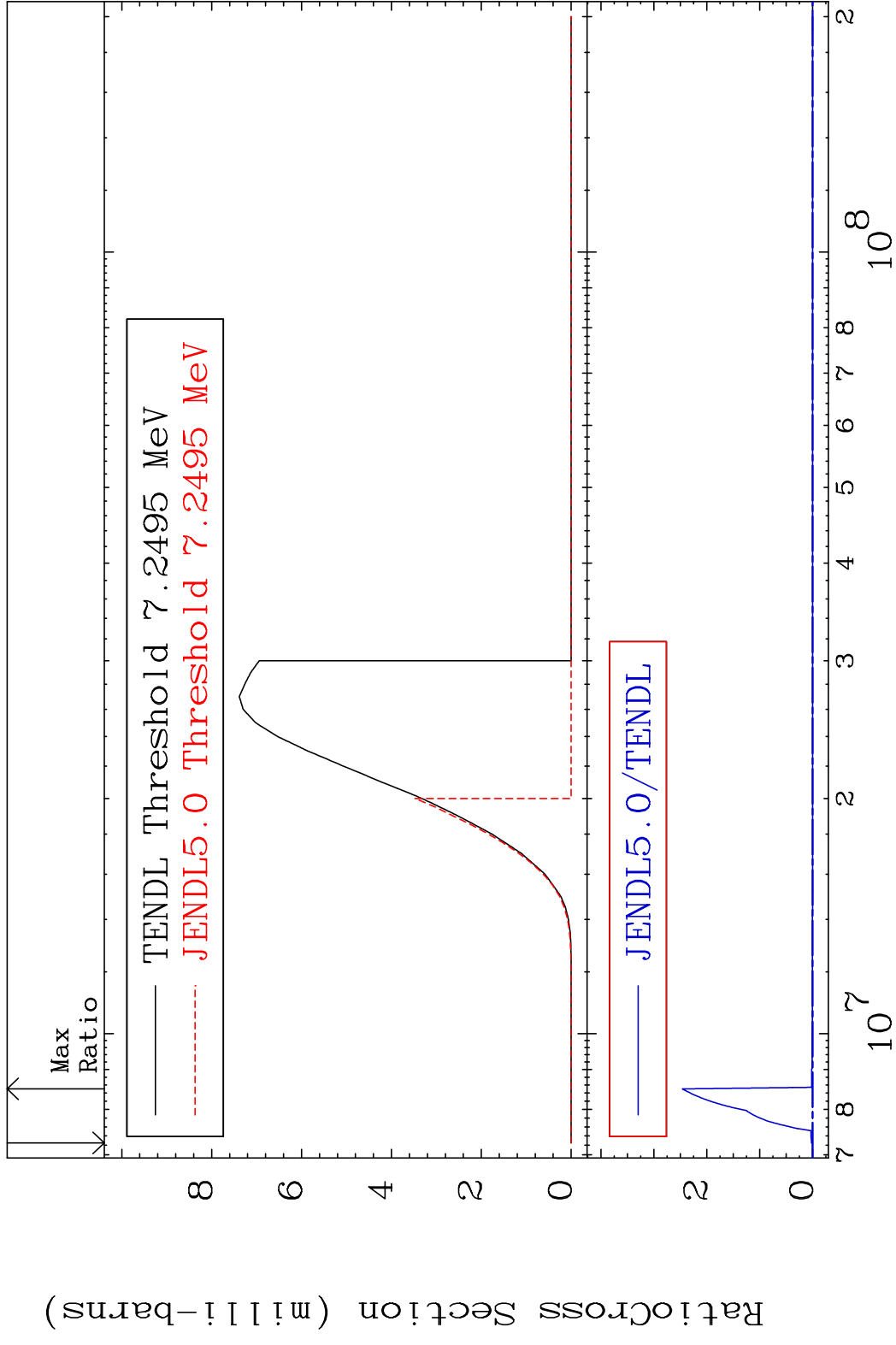


MAT 5041 (n,d):49-In-116m1 50-Sn-117m
 Radionuclide Production Cross Section to 9585. %



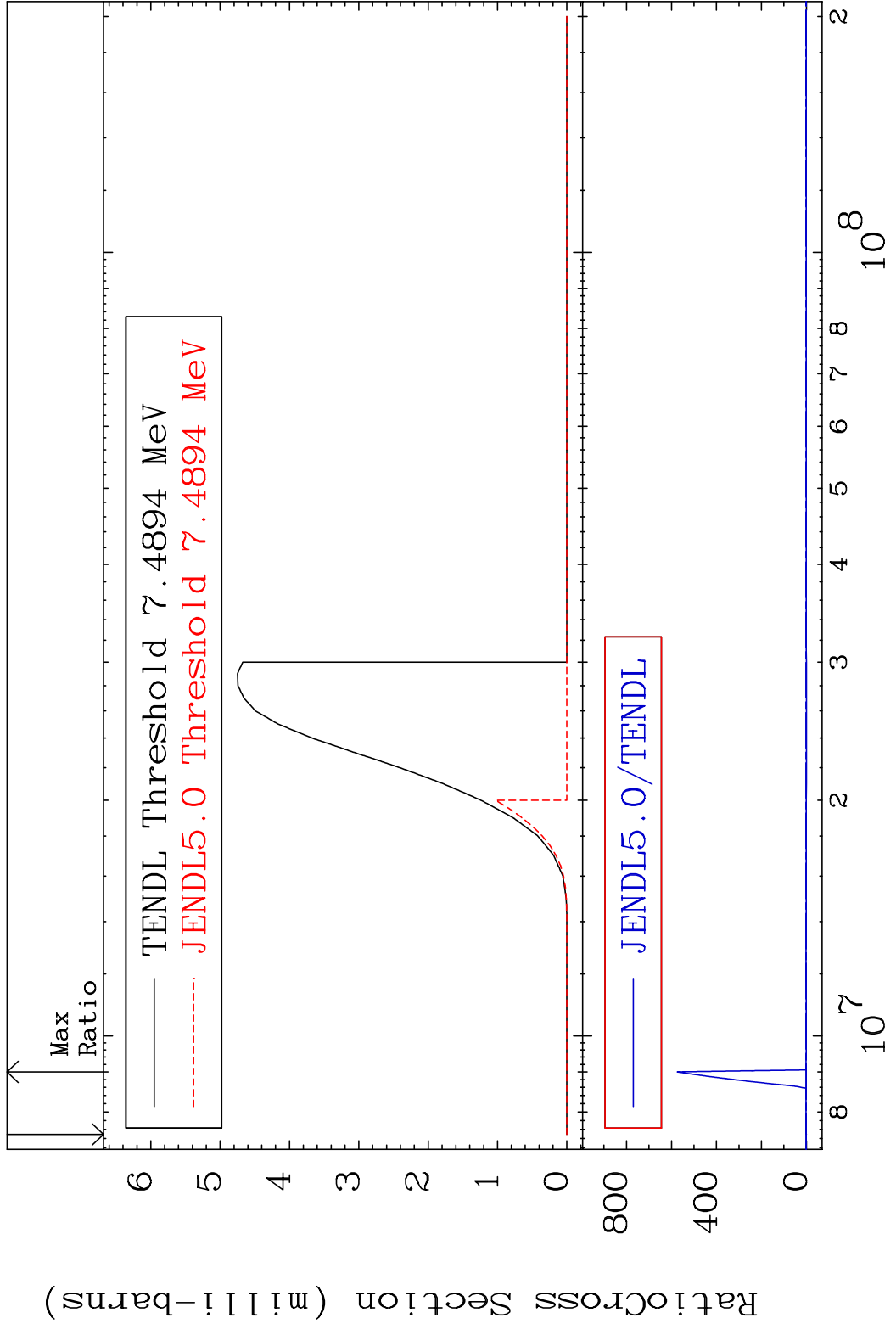
72 Incident Energy (eV) 50-Sn-117m

MAT 5041 (n,d):49-In-116m4 50-Sn-117m
 Radionuclide Production Cross Section to 9999. %



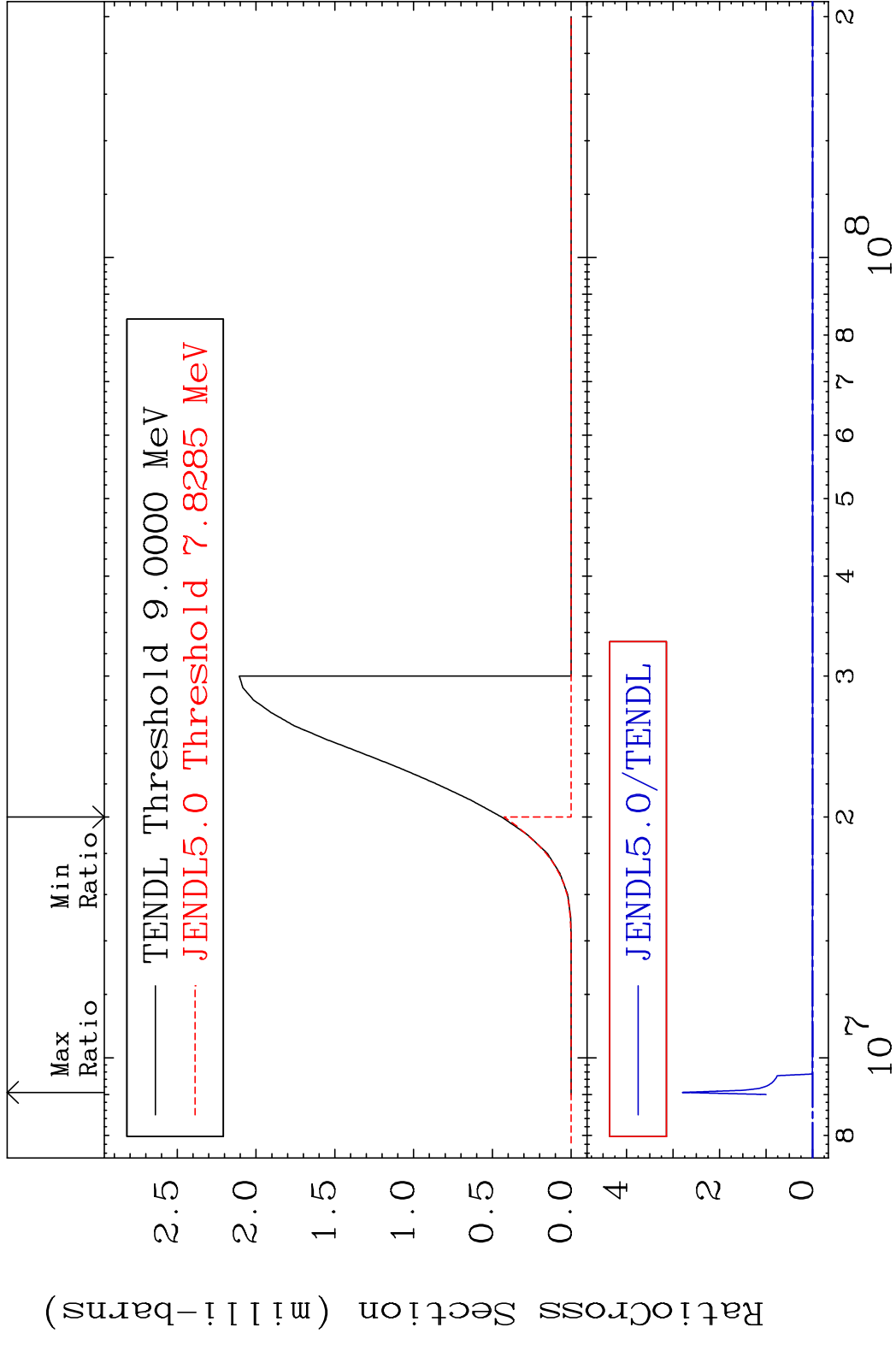
73 Incident Energy (eV) 50-Sn-117m

MAT 5041 (n,t):49-In-115g 50-Sn-117m
 Radionuclide Production Cross Section to 9999. %



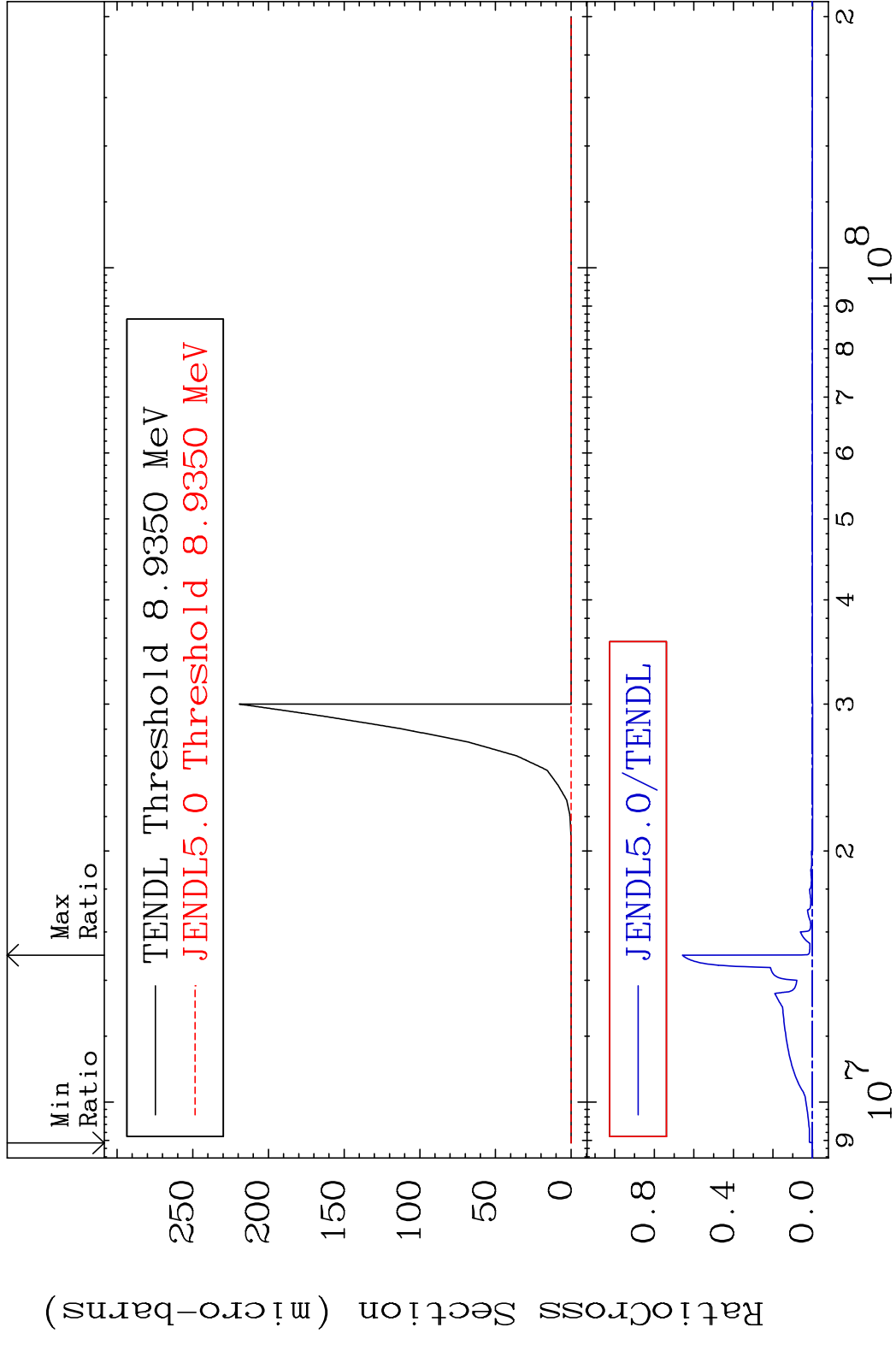
74 Incident Energy (eV) 50-Sn-117m

MAT 5041 (n, t): 49-In-115m1 50-Sn-117m
 Radionuclide Production Cross Section to 9999. %



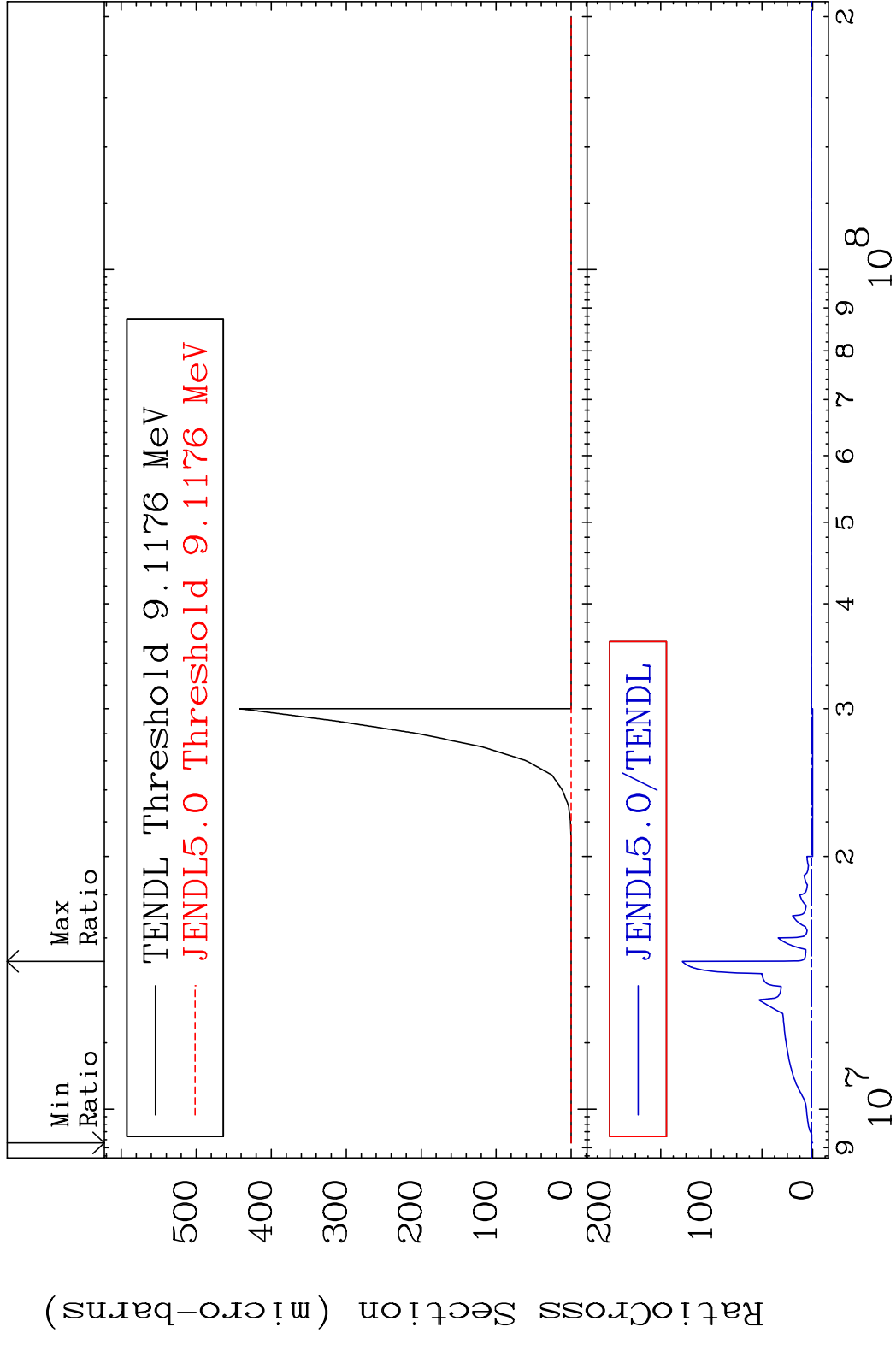
75 Incident Energy (eV) 50-Sn-117m

MAT 5041 (n, He-3): 48-Cd-115g 50-Sn-117m
 Radionuclide Production Cross Section to 9999. %



76 Incident Energy (eV) 50-Sn-117m

MAT 5041 (n, He-3) : 48-Cd-115m1 50-Sn-117m
 Radionuclide Production Cross Section to 9999. %



77 Incident Energy (eV) 50-Sn-117m