

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

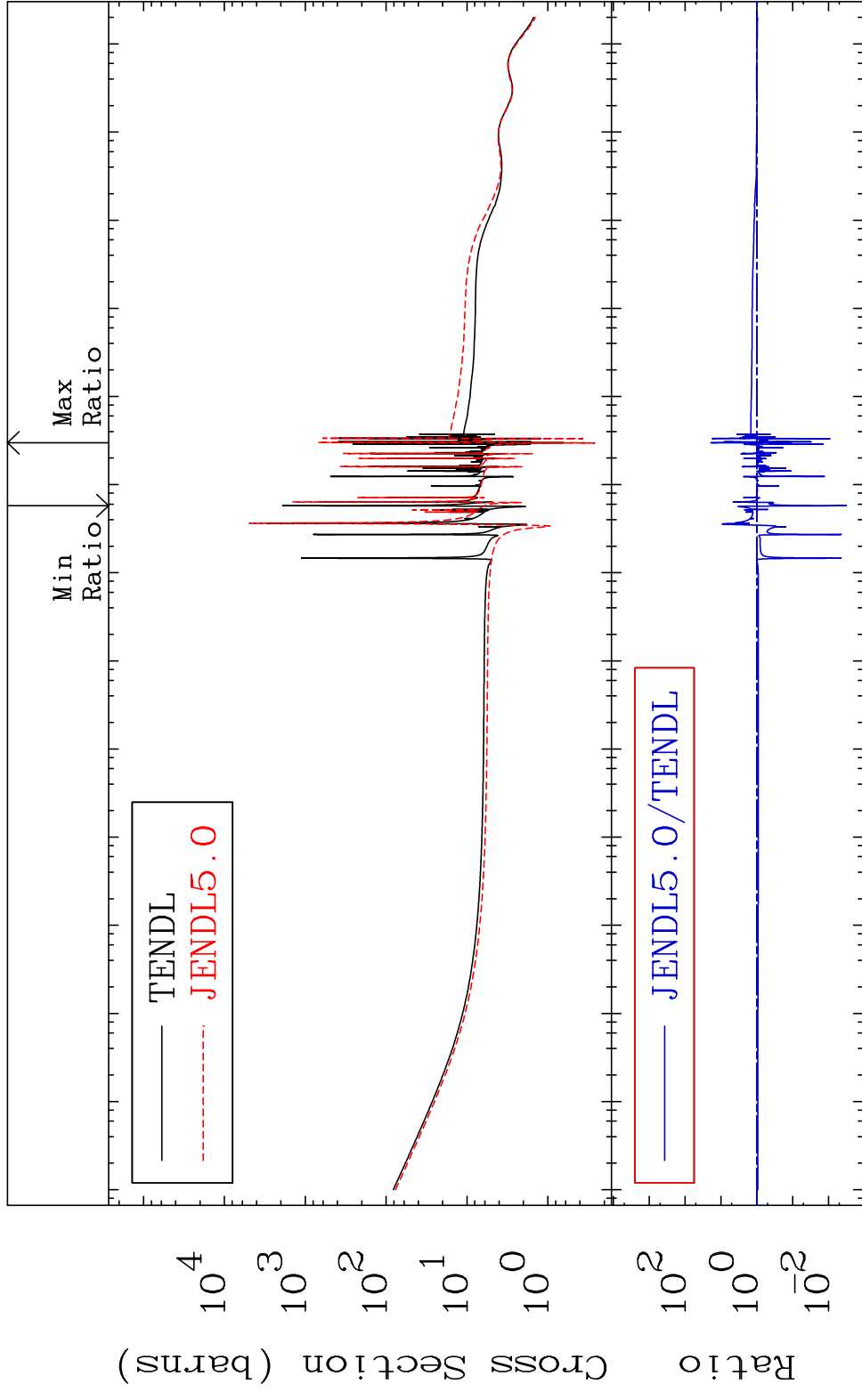
Press Mouse Button to Start

MAT 3825

38-Sr-84

Total

Cross Section -99.68 To 1830. %



1

Incident Energy (eV)

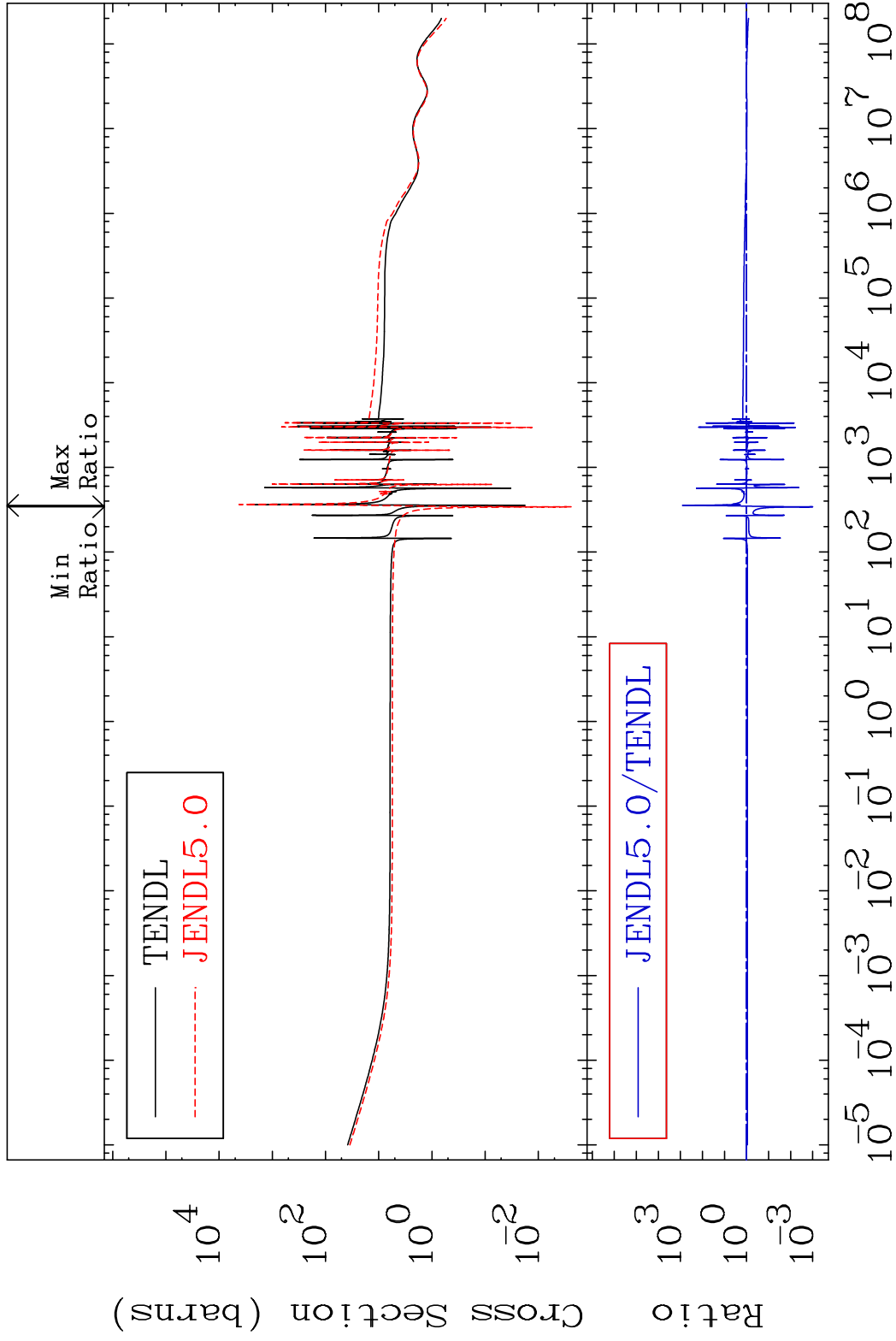
38-Sr-84

MAT 3825

Elastic

38-Sr-84

Cross Section -99.90 To 9999. %

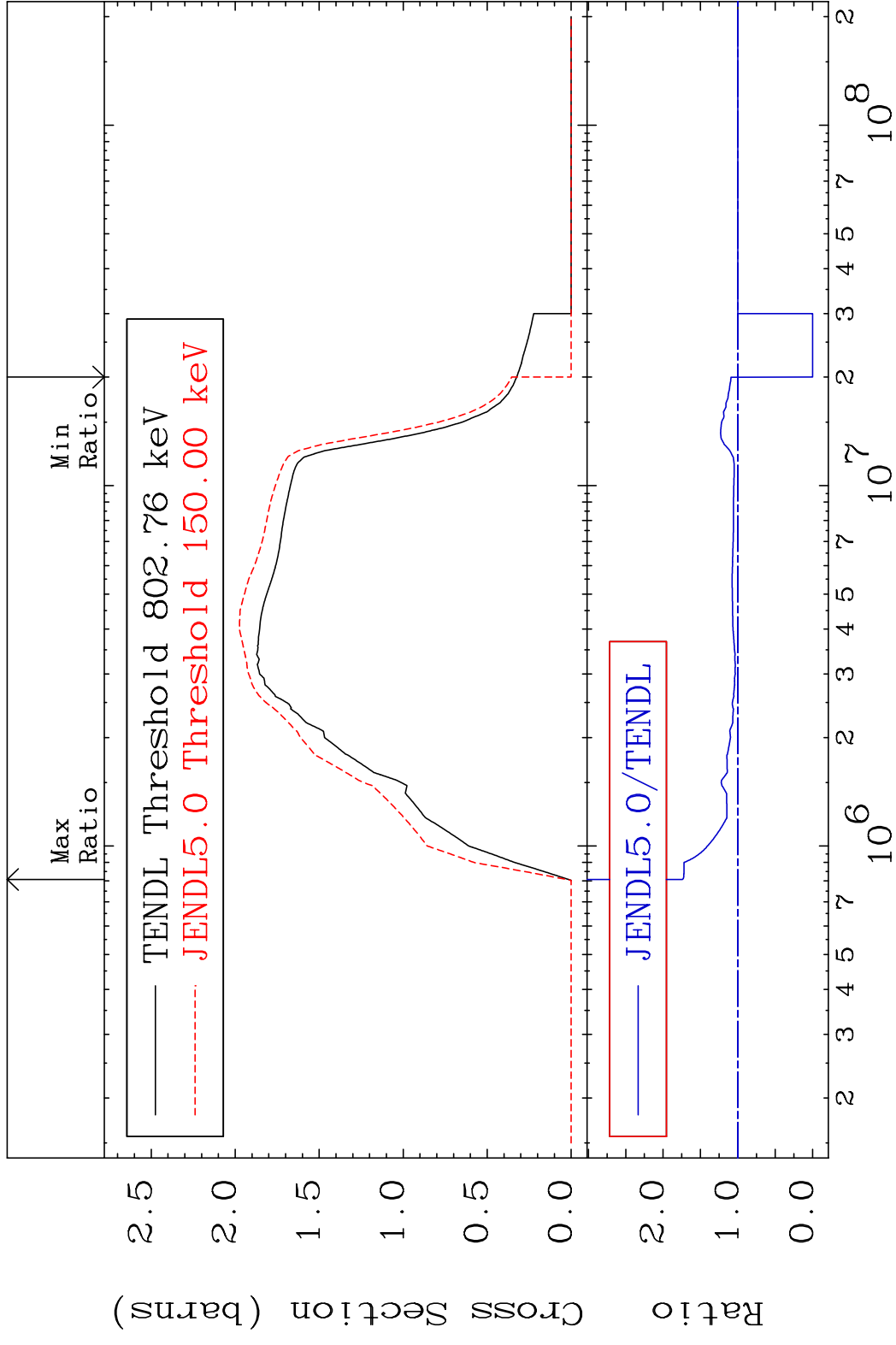


2

Incident Energy (eV)

38-Sr-84

MAT 3825 Inelastic 38-Sr-84
 Cross Section -100.0 To 74.22 %

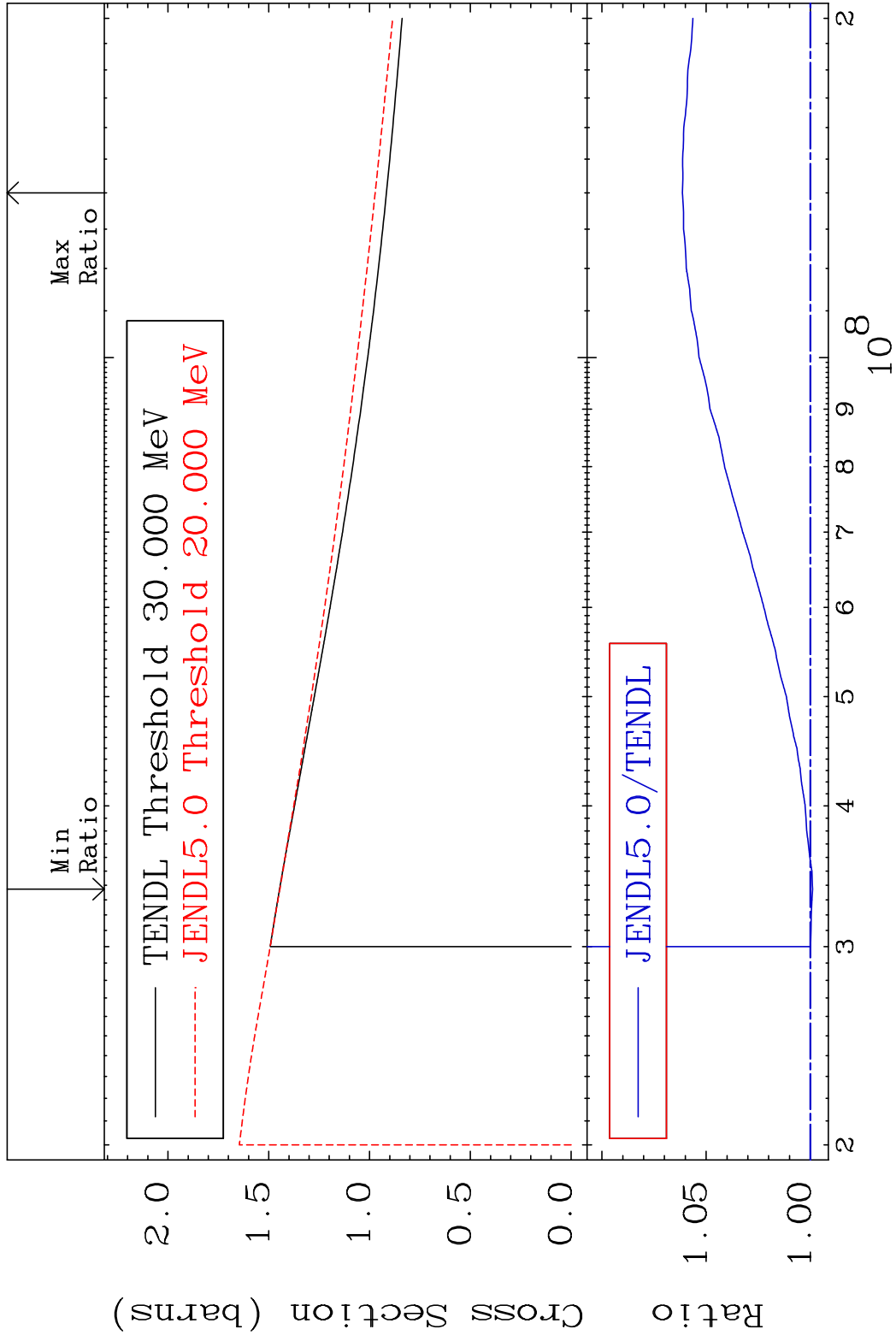


MAT 3825

(n, remainder)

38-Sr-84

Cross Section -0.104 To 6.142 %



4

Incident Energy (eV)

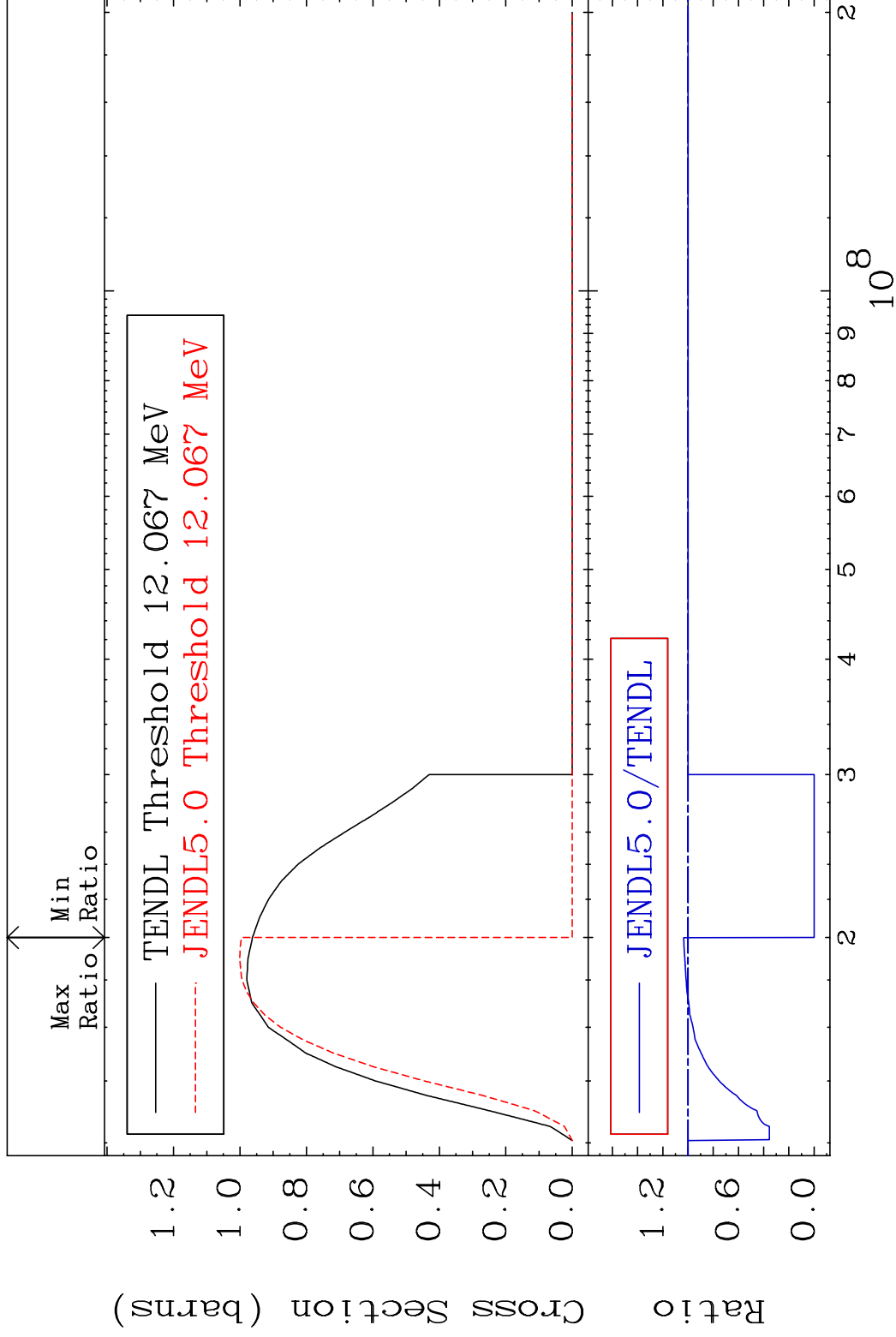
38-Sr-84

MAT 3825

(n,2n)

38-Sr-84

Cross Section -100.0 To 3.470 %

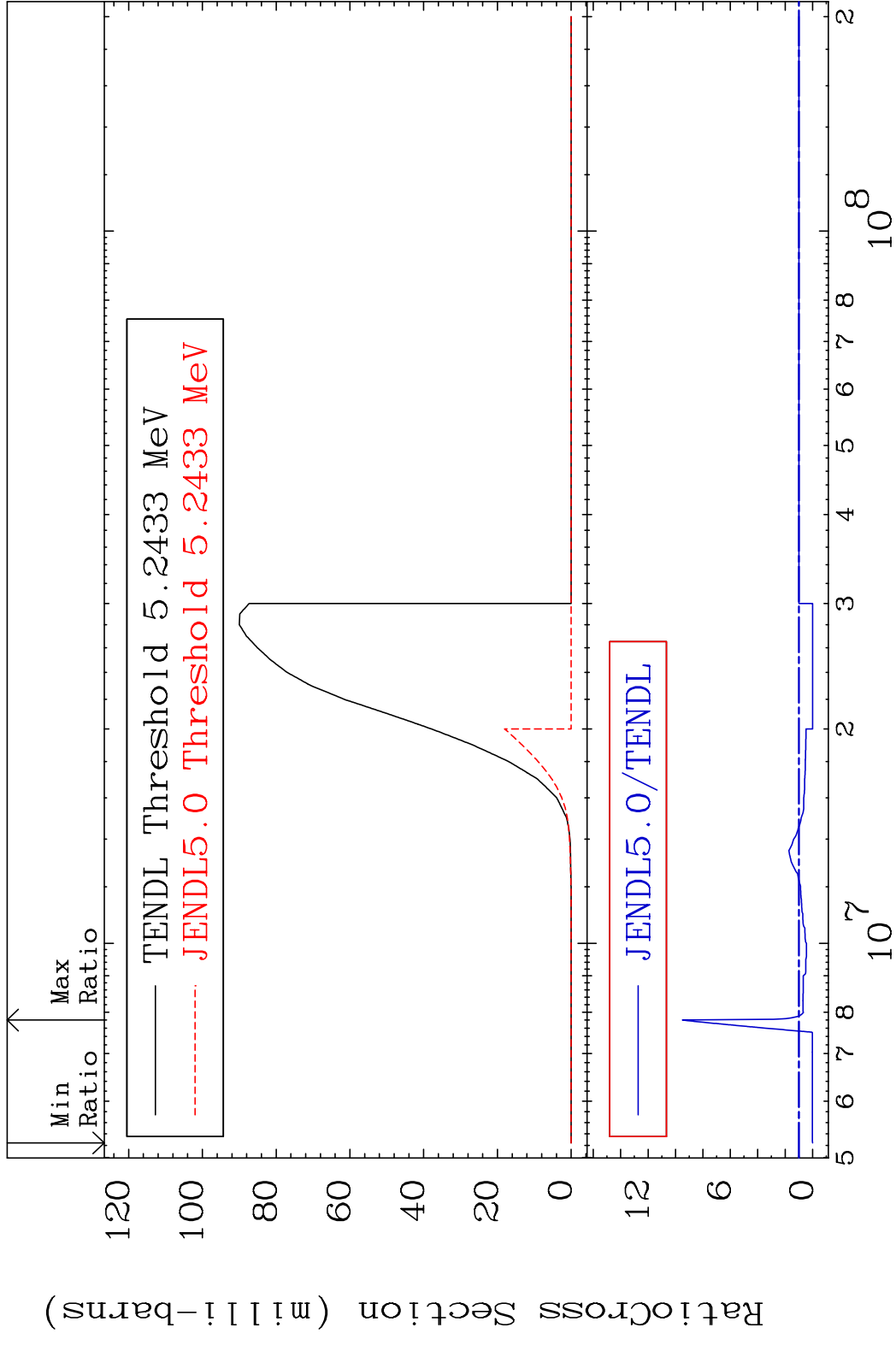


5

Incident Energy (eV)

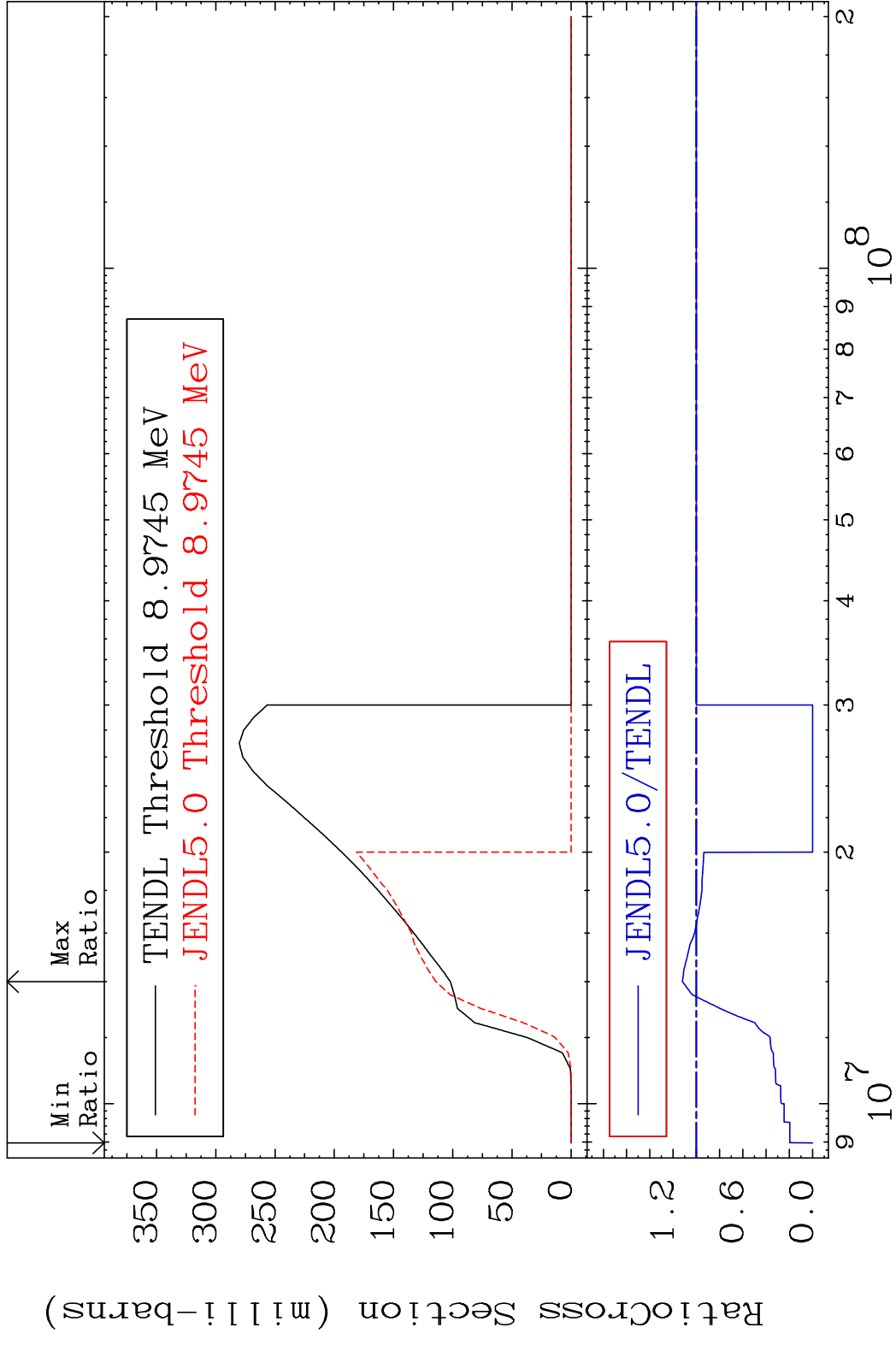
38-Sr-84

MAT 3825 (n, n') α 38-Sr-84
 Cross Section -100.0 To 849.9 %

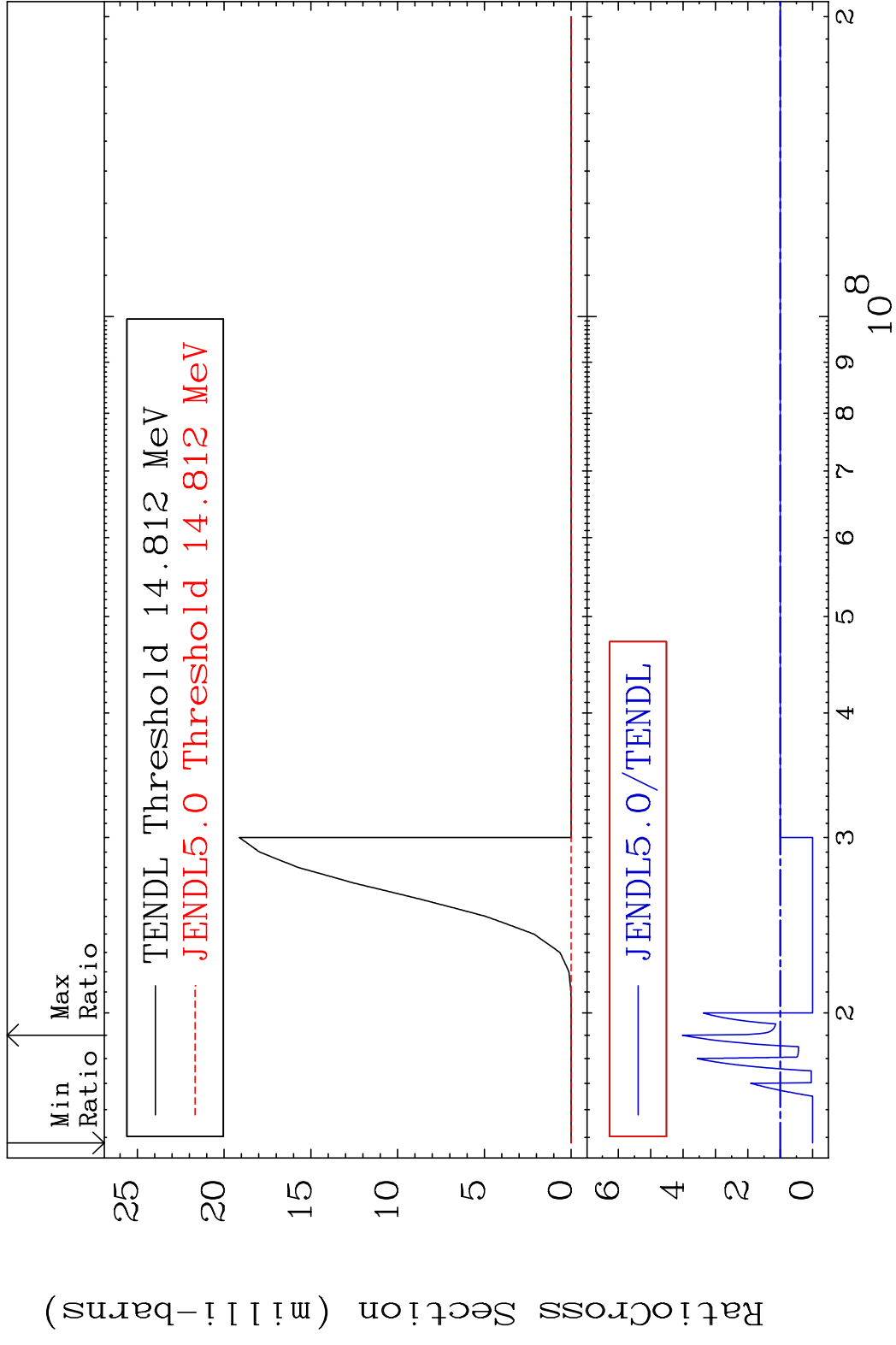


6 Incident Energy (eV) 38-Sr-84

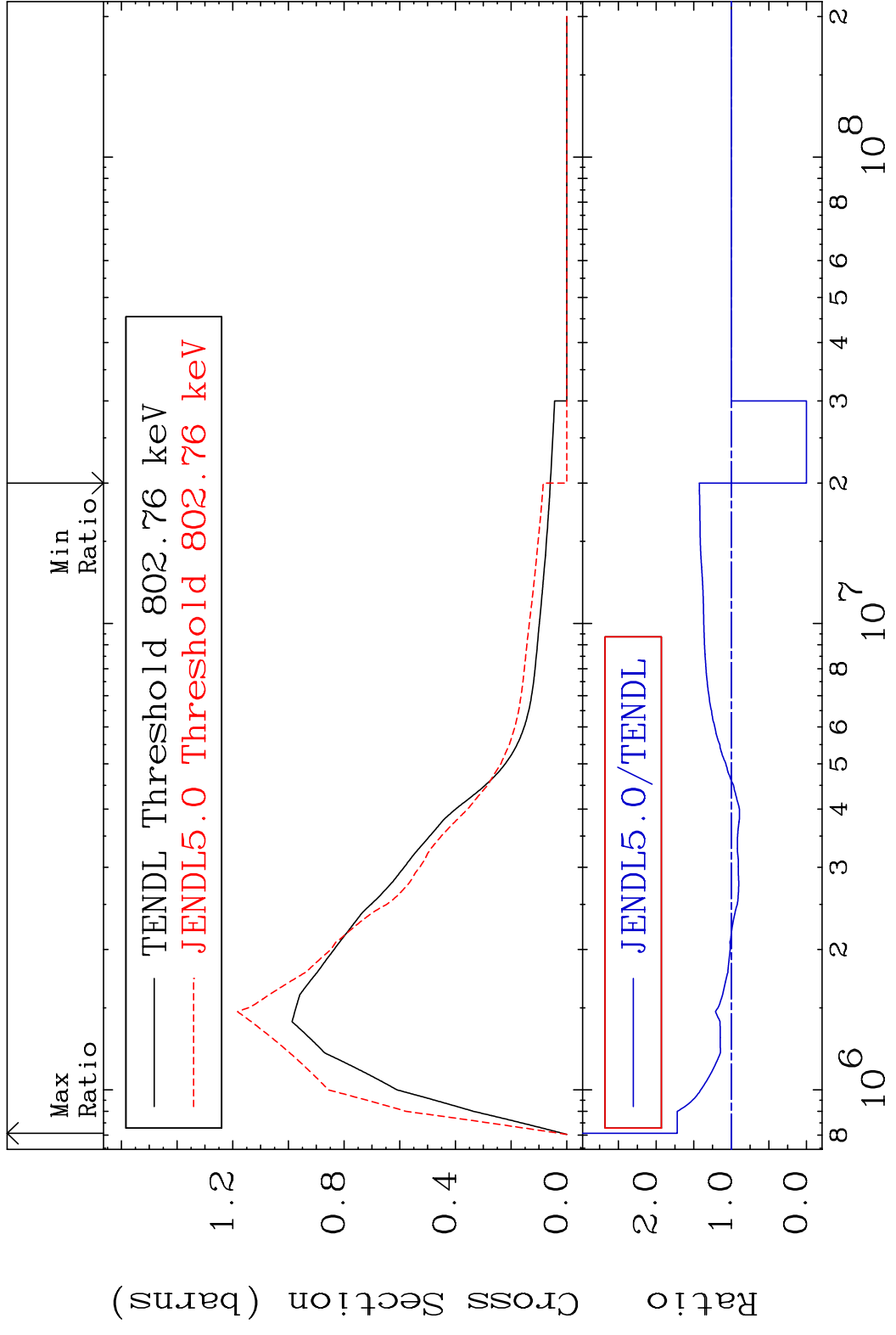
MAT 3825 (n, n') p 38-Sr-84
 Cross Section -100.0 To 12.04 %



MAT 3825 (n,2n) p 38-Sr-84
 Cross Section -100.0 To 302.4 %

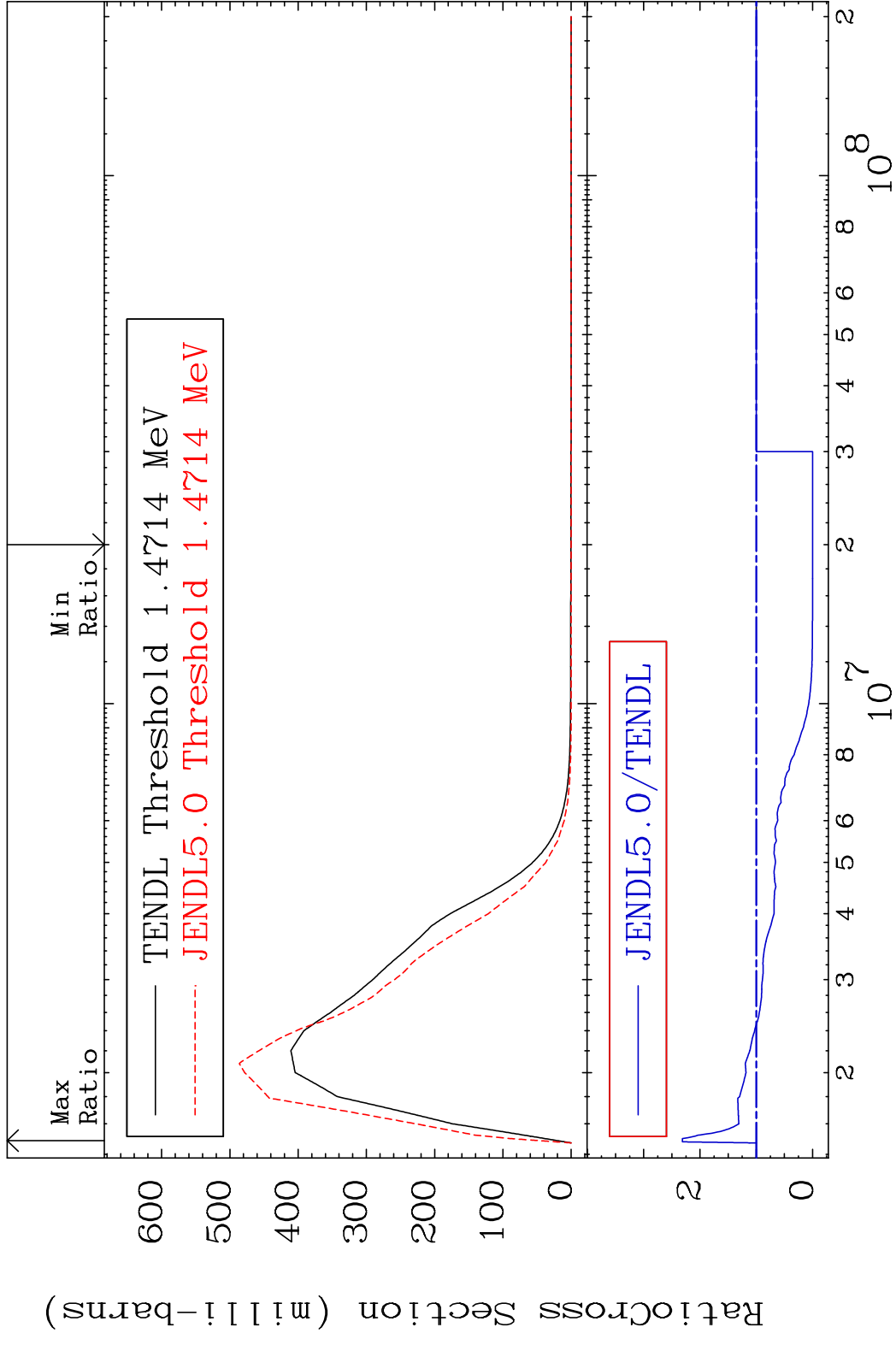


MAT 3825 MT= 51 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 71.90 %



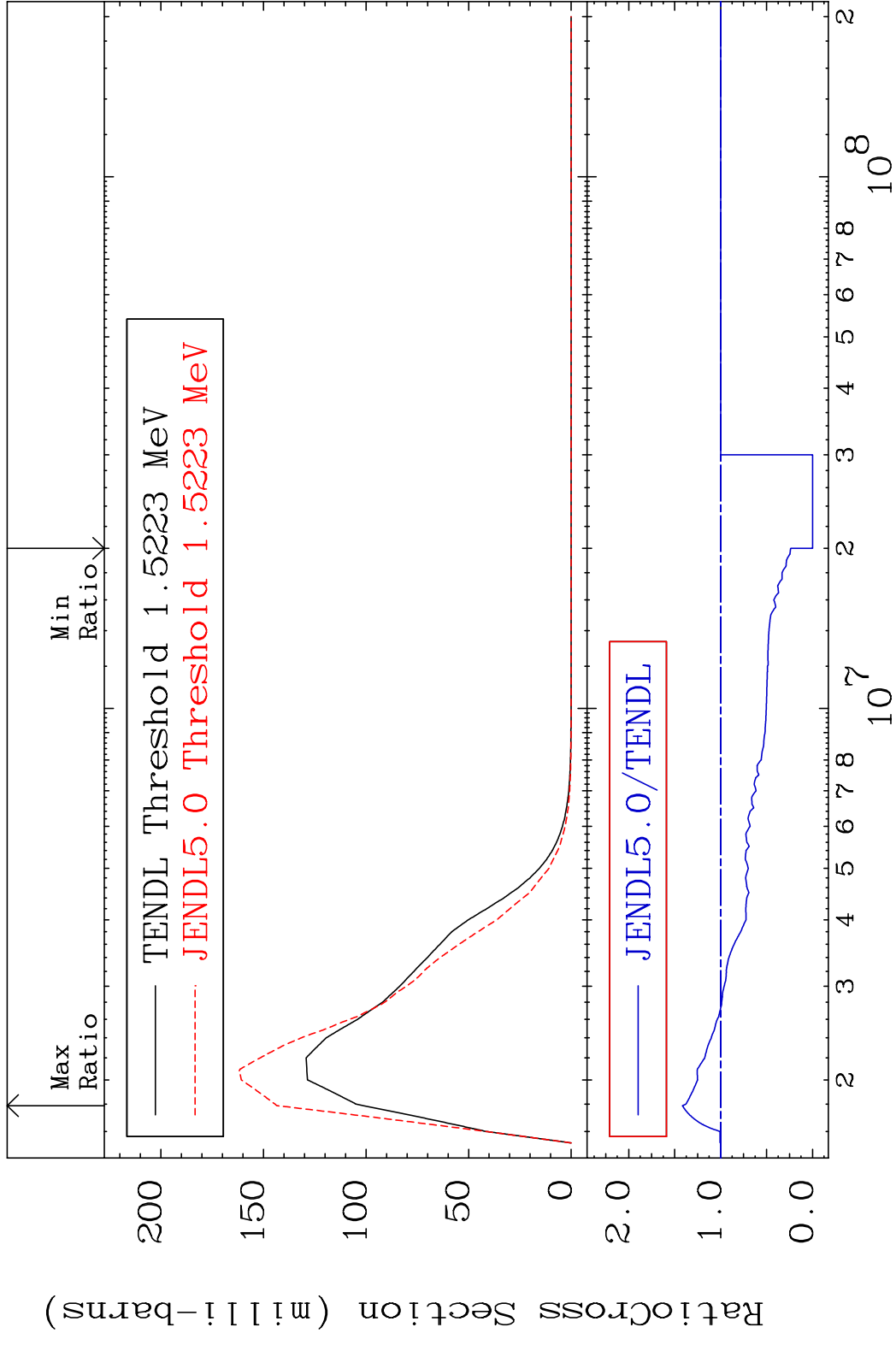
9 38-Sr-84

MAT 3825 MT= 52 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 131.3 %

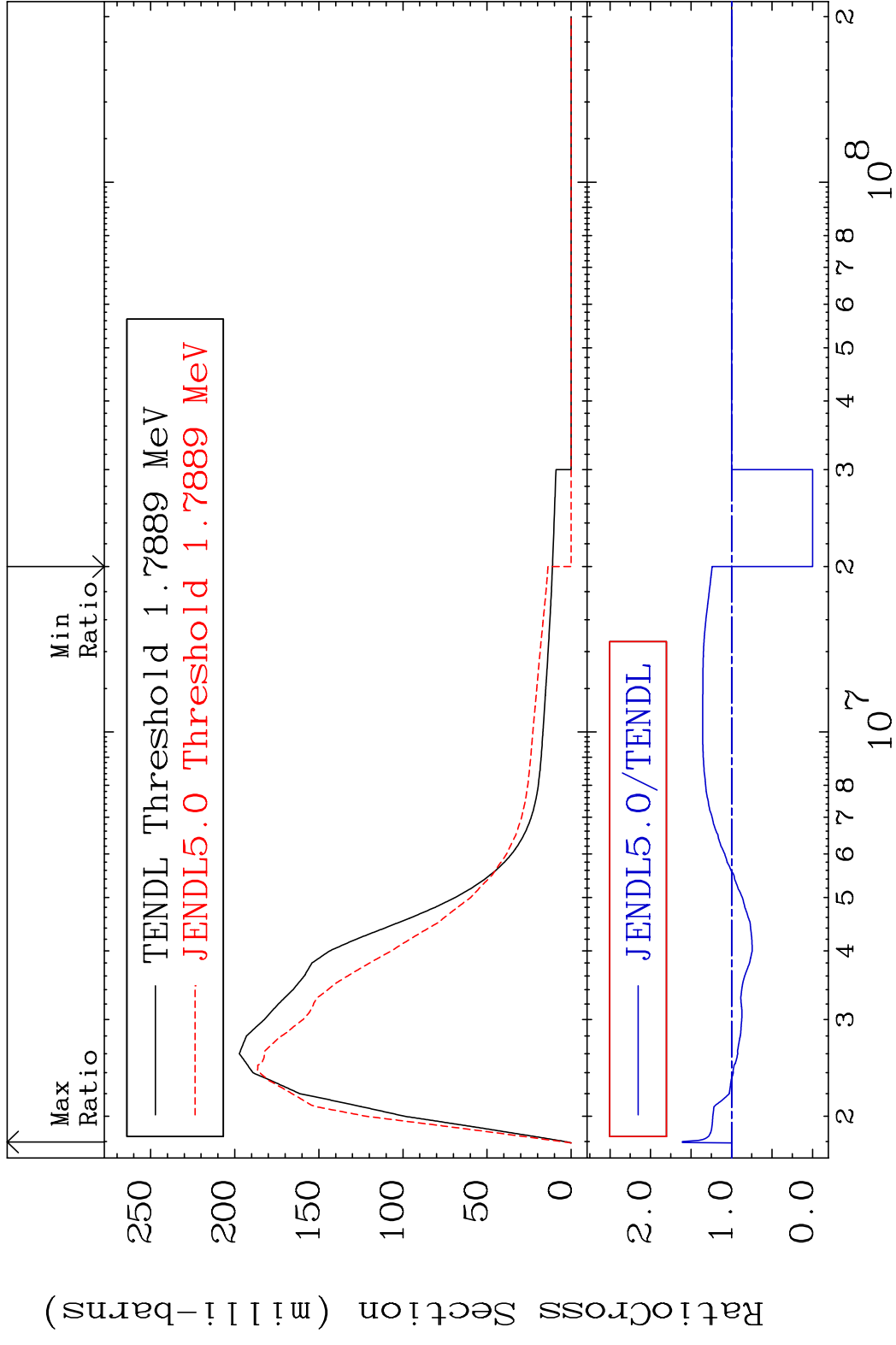


10 38-Sr-84

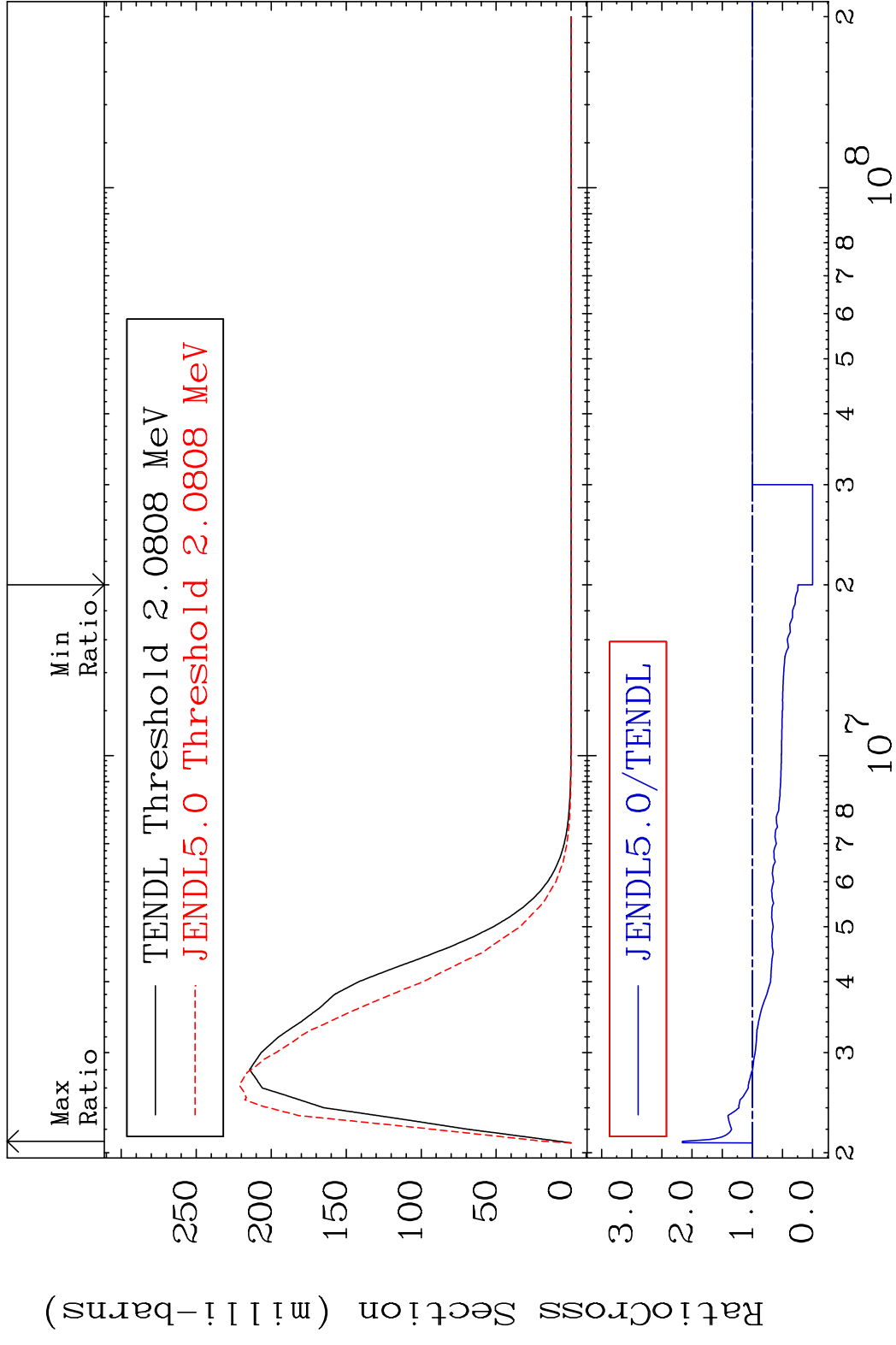
MAT 3825 MT= 53 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 41.63 %



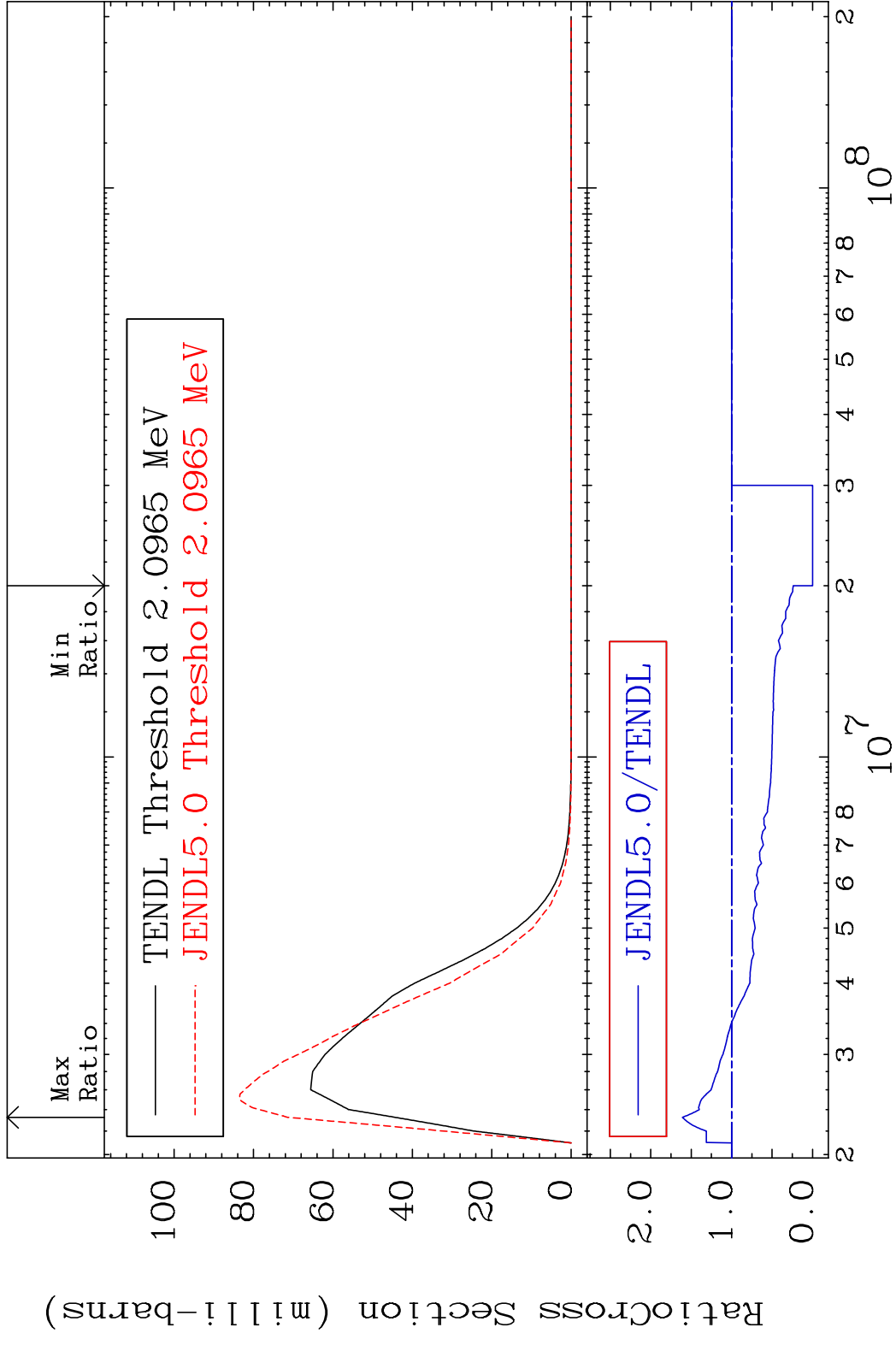
MAT 3825 MT= 54 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 60.72 %



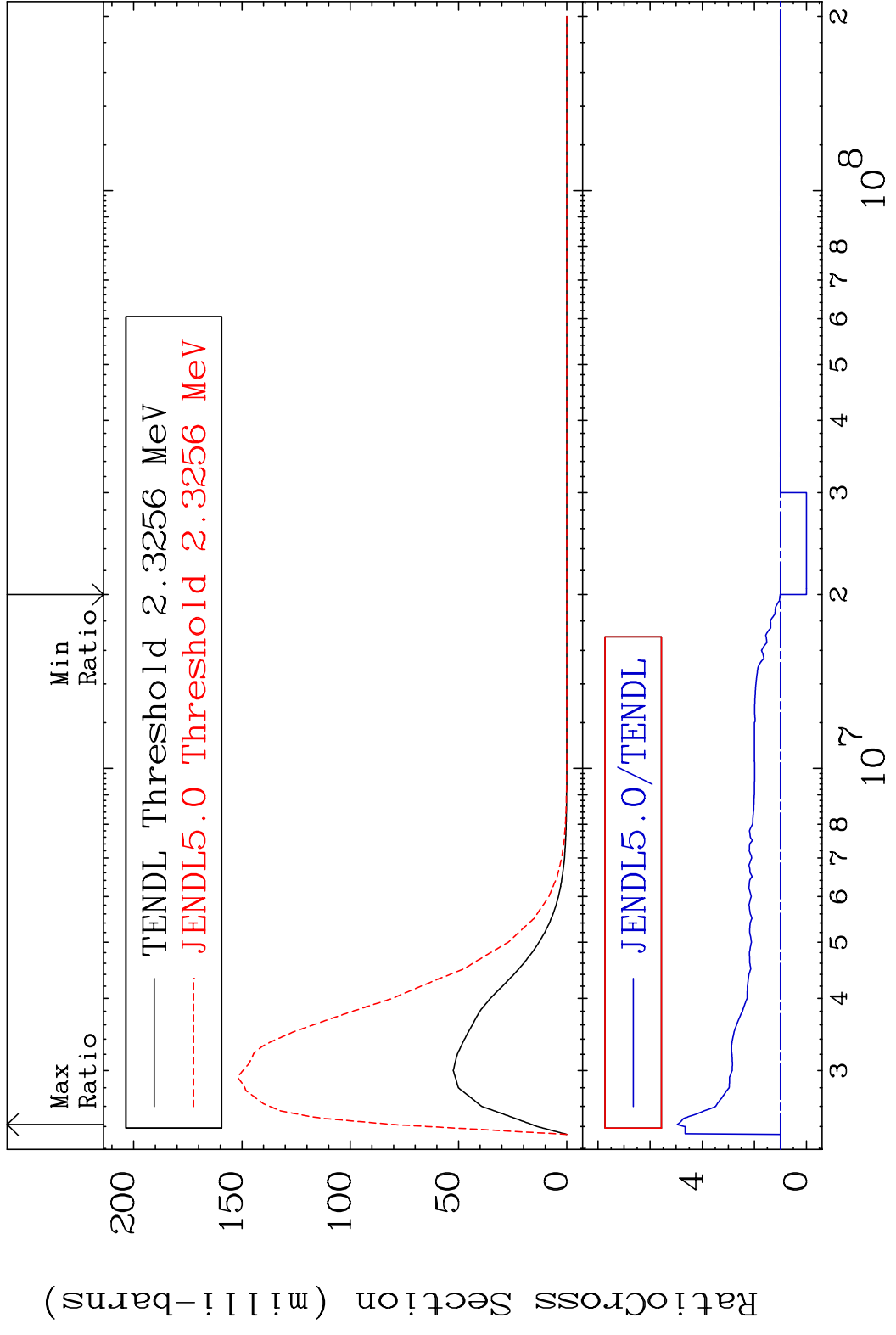
MAT 3825 MT= 55 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 116.1 %



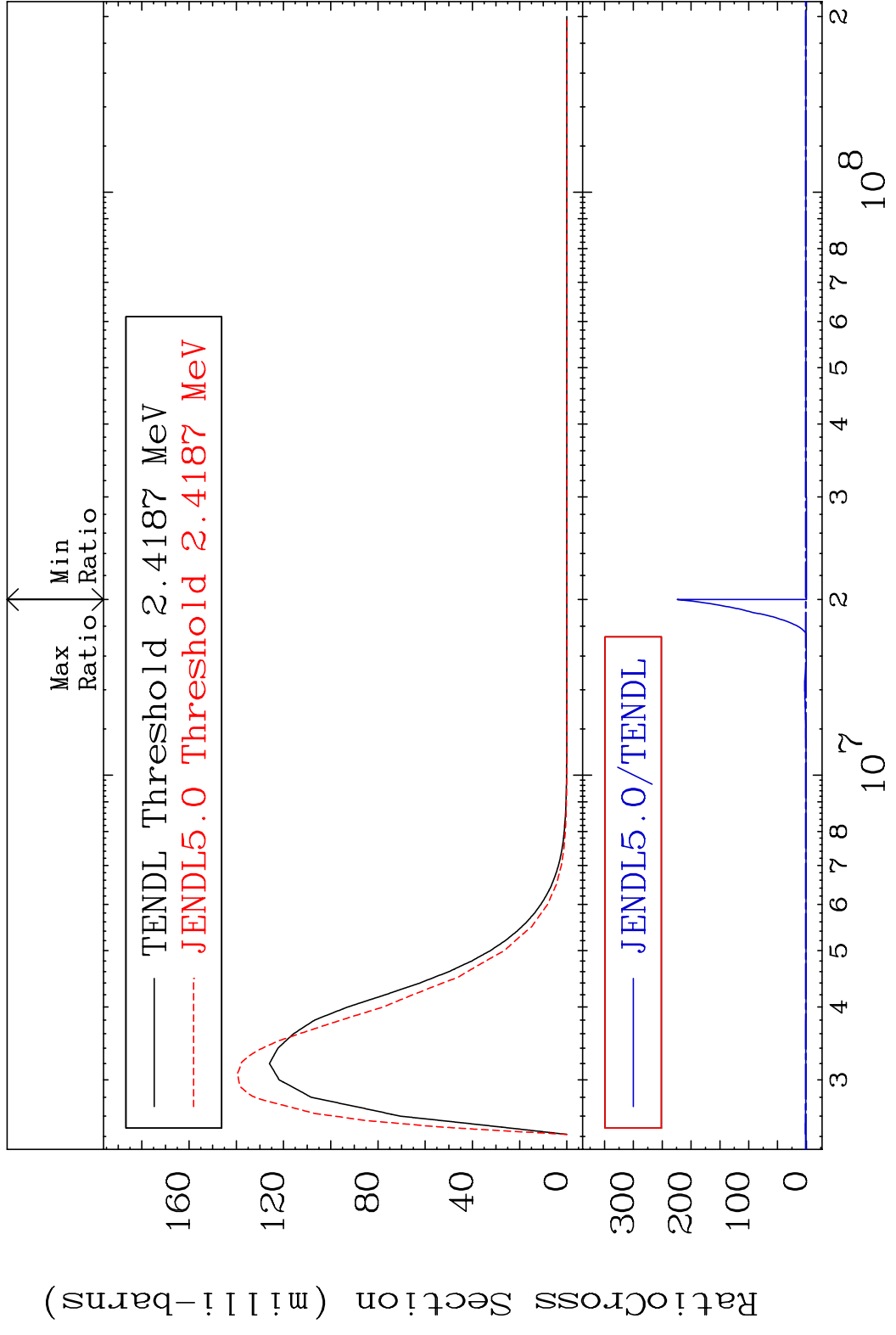
MAT 3825 MT= 56 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 60.98 %



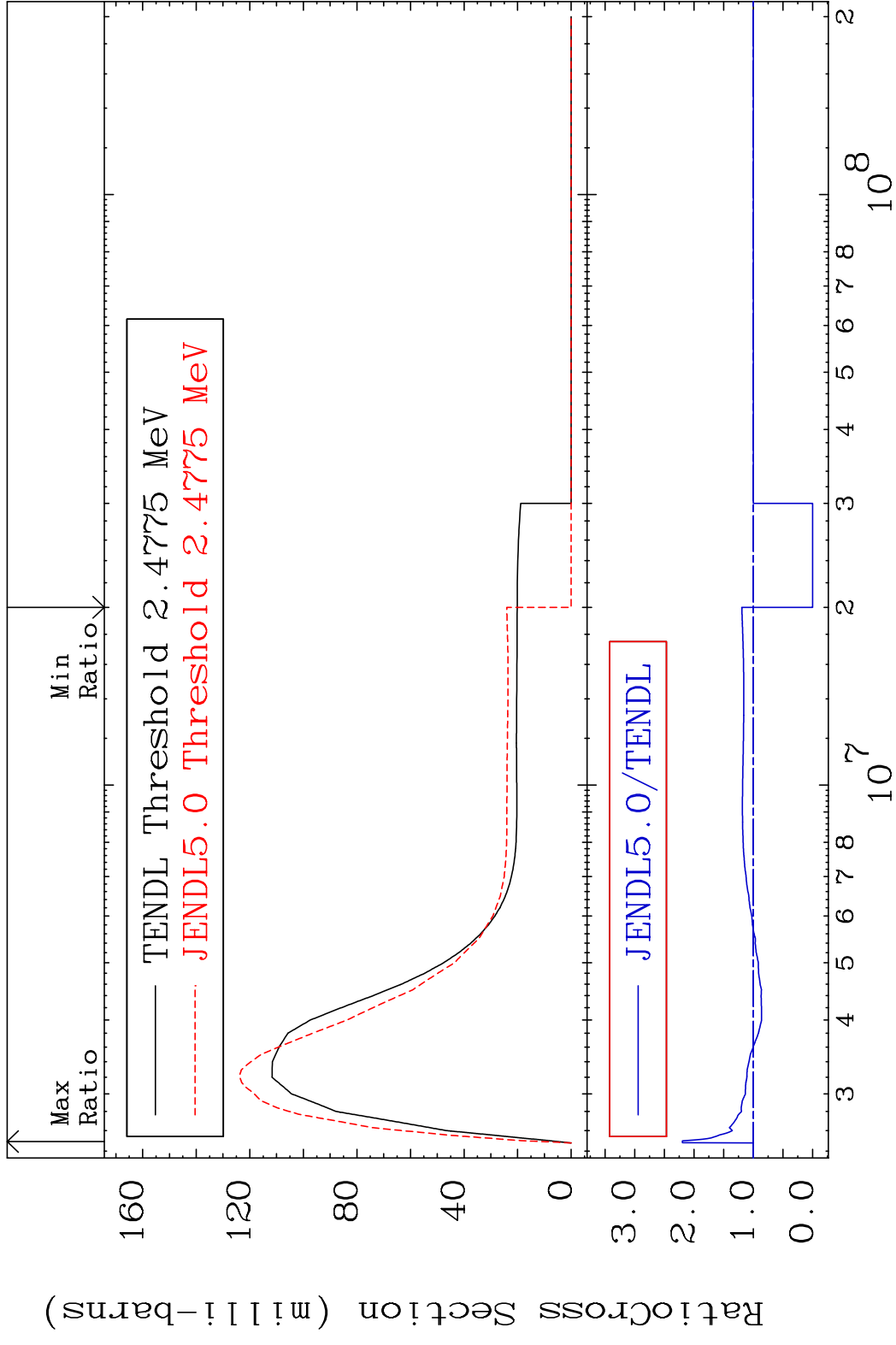
MAT 3825 MT= 57 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 396.2 %



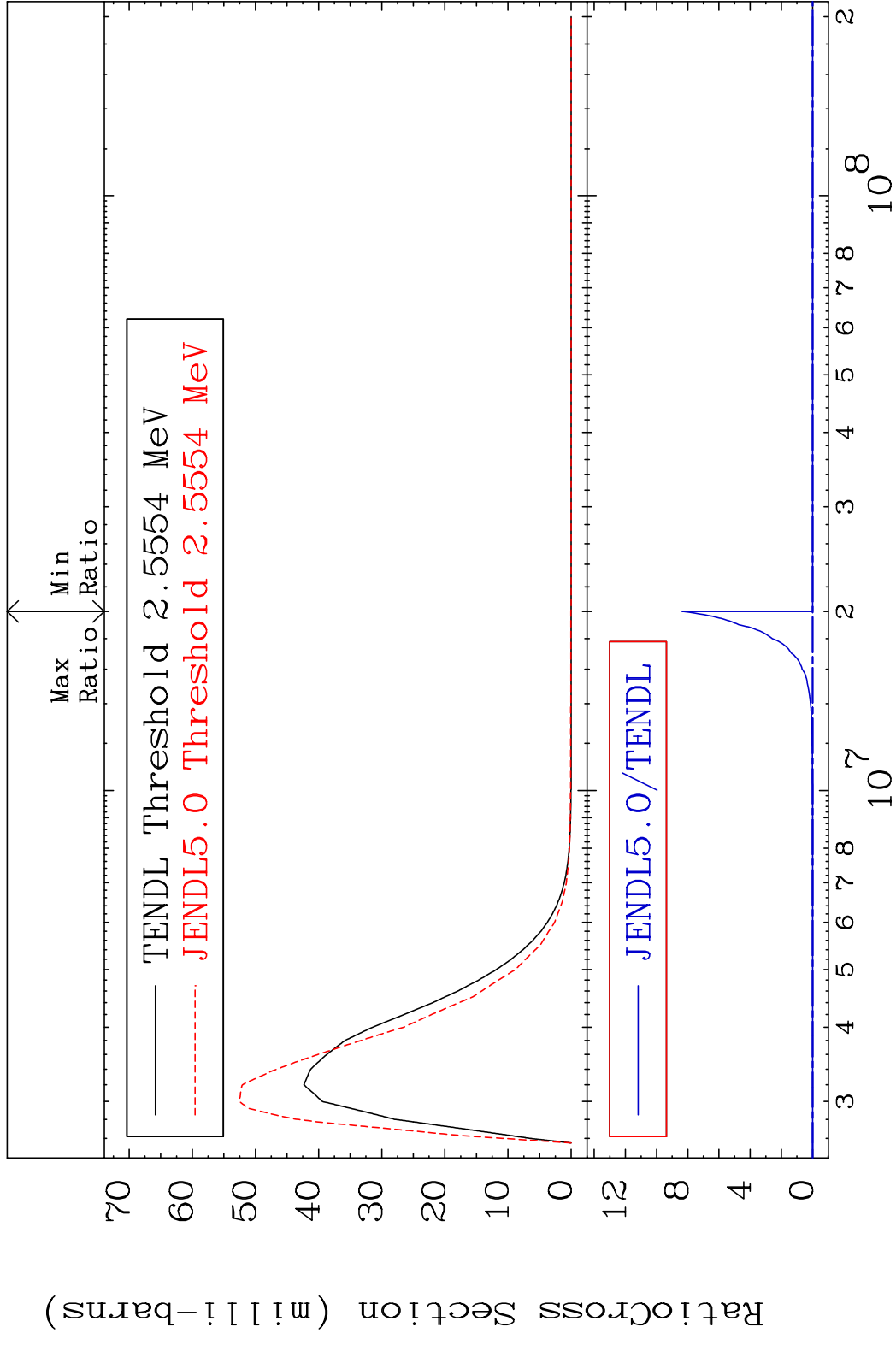
MAT 3825 MT= 58 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 9999. %



MAT 3825 MT= 59 (n,n') Level 38-Sr-84
 Cross Section -100.0 To 119.7 %

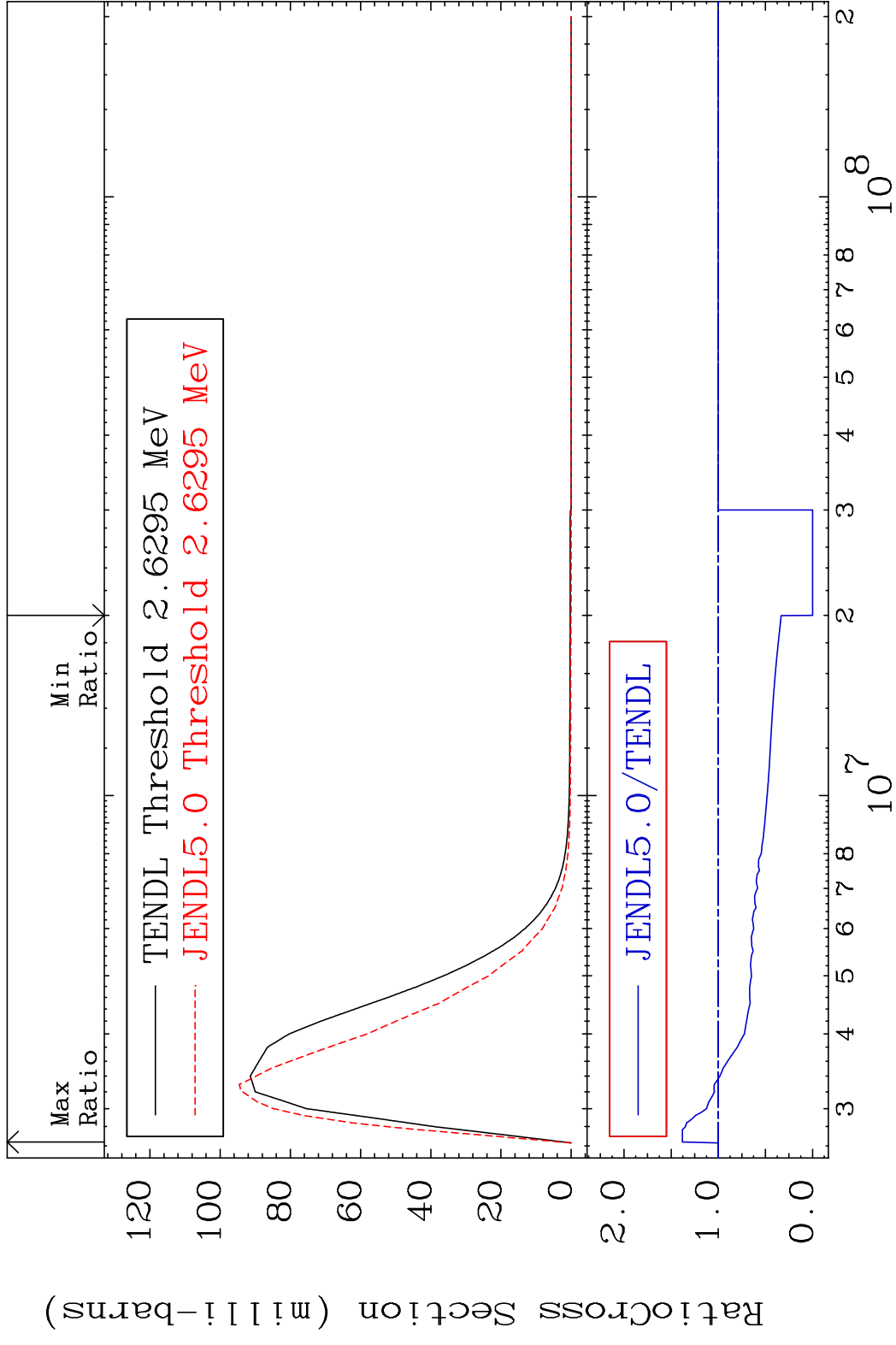


MAT 3825 MT= 60 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 9999. %

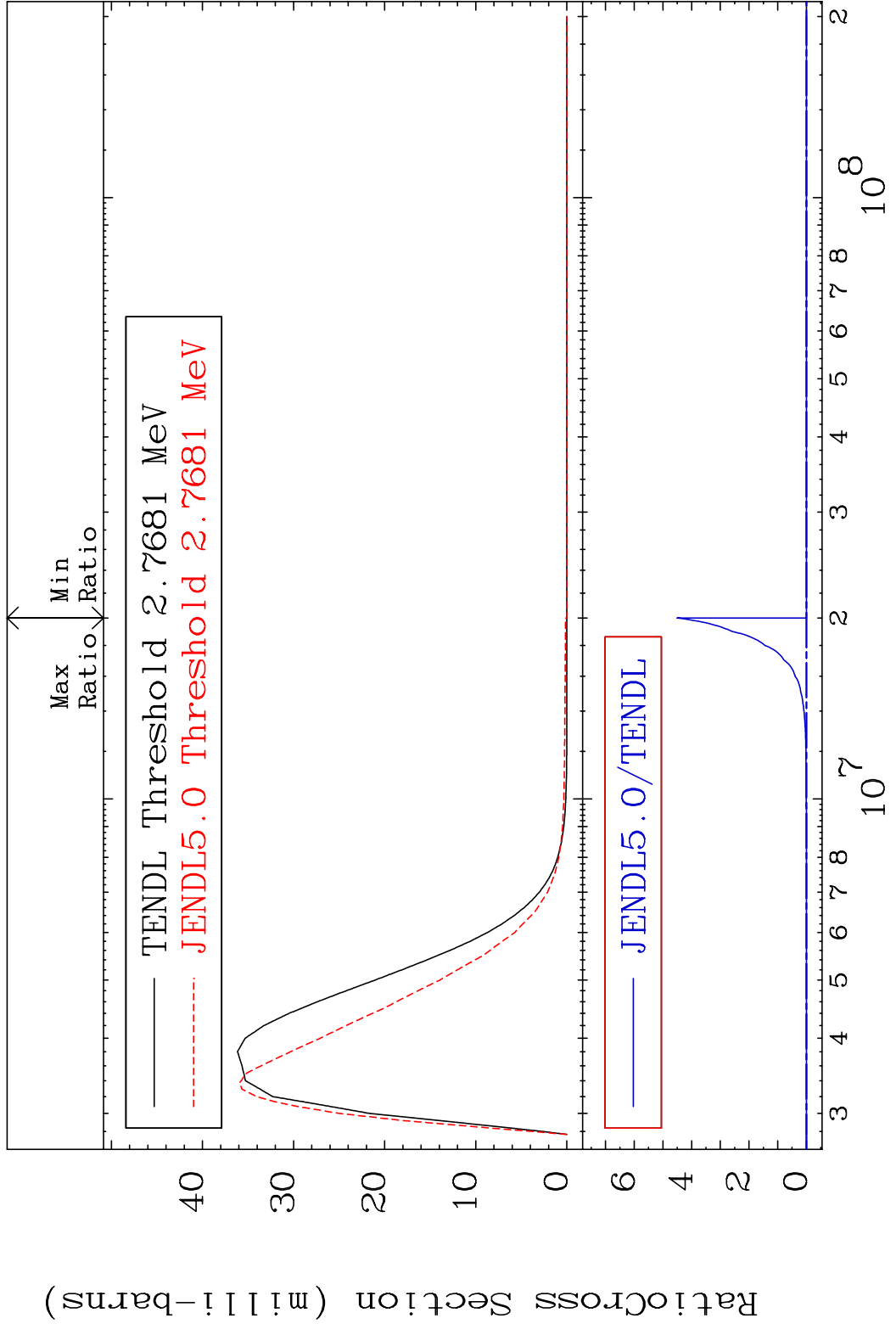


18 38-Sr-84

MAT 3825 MT= 61 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 38.08 %

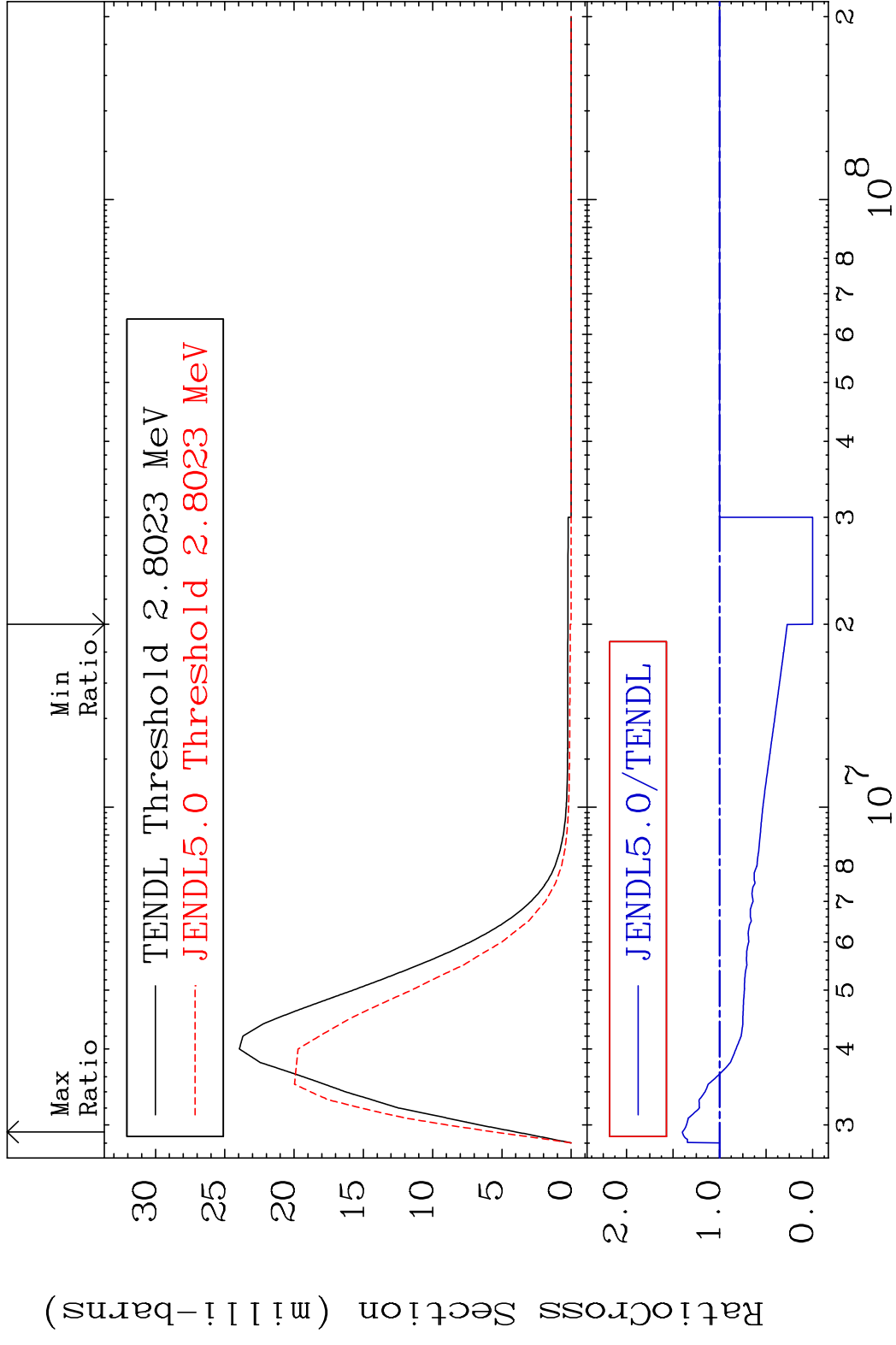


MAT 3825 MT= 62 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 9999. %

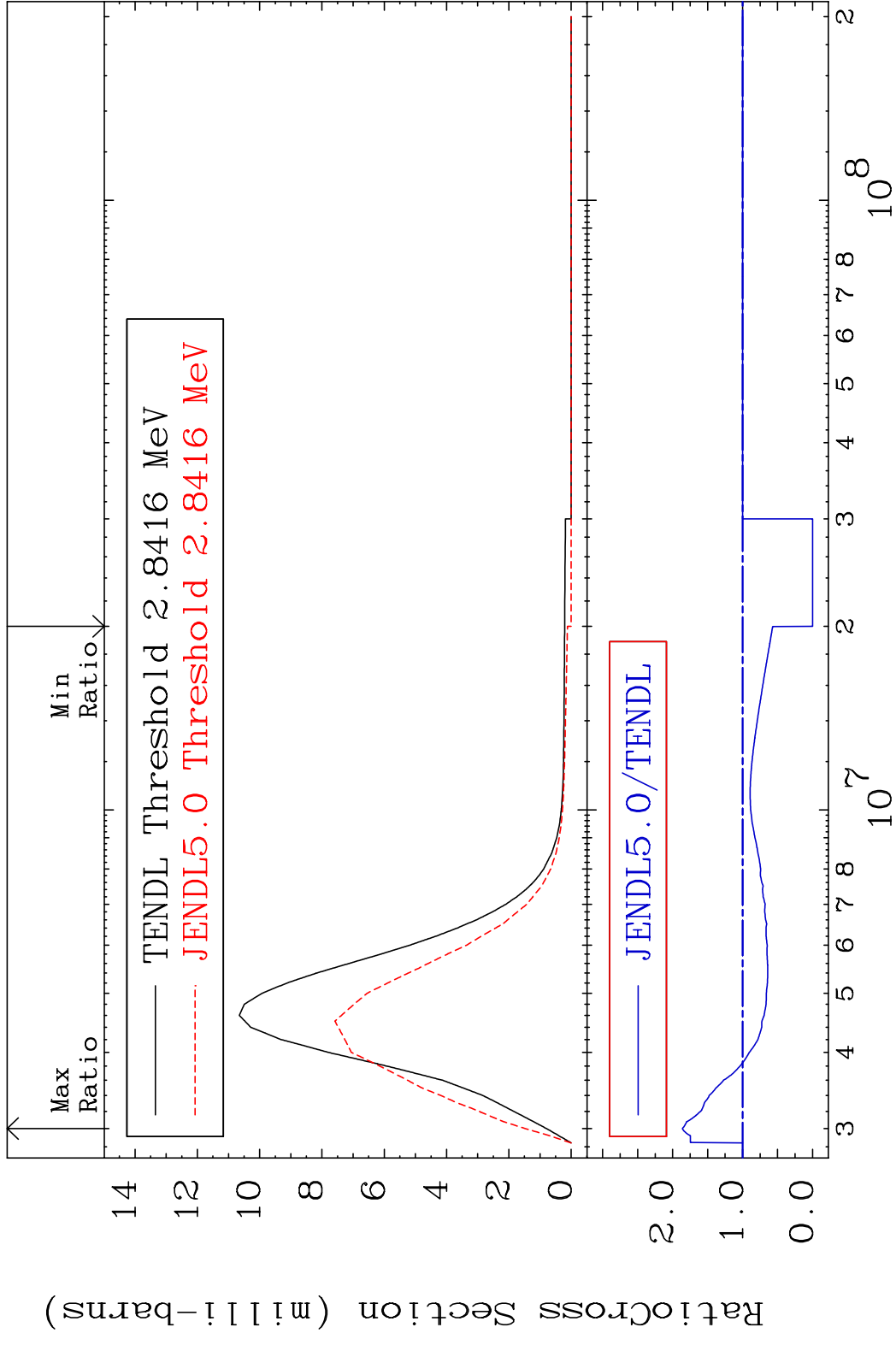


20 38-Sr-84

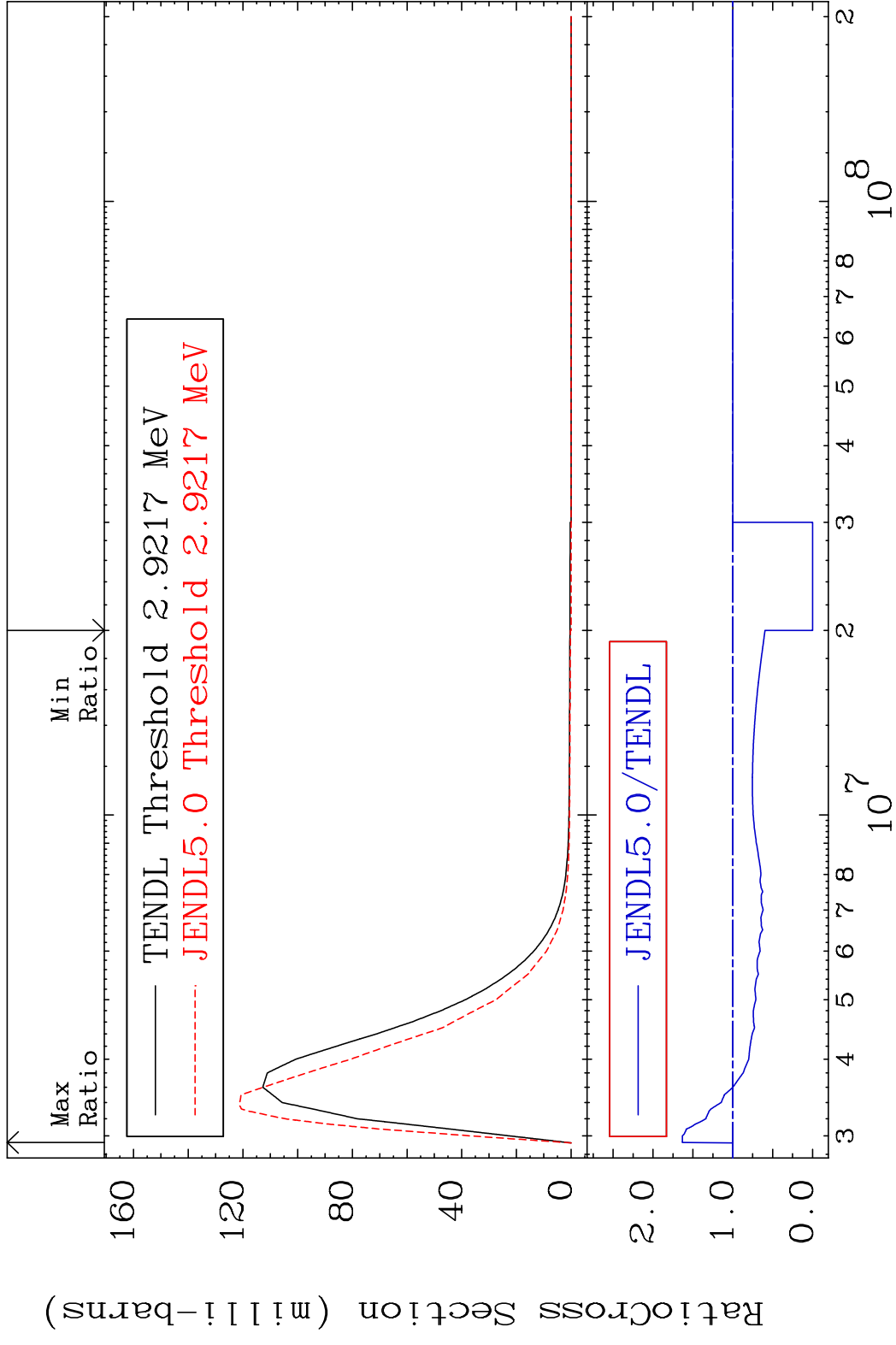
MAT 3825 MT= 63 (n,n') Level 38-Sr-84
 Cross Section -100.0 To 39.90 %



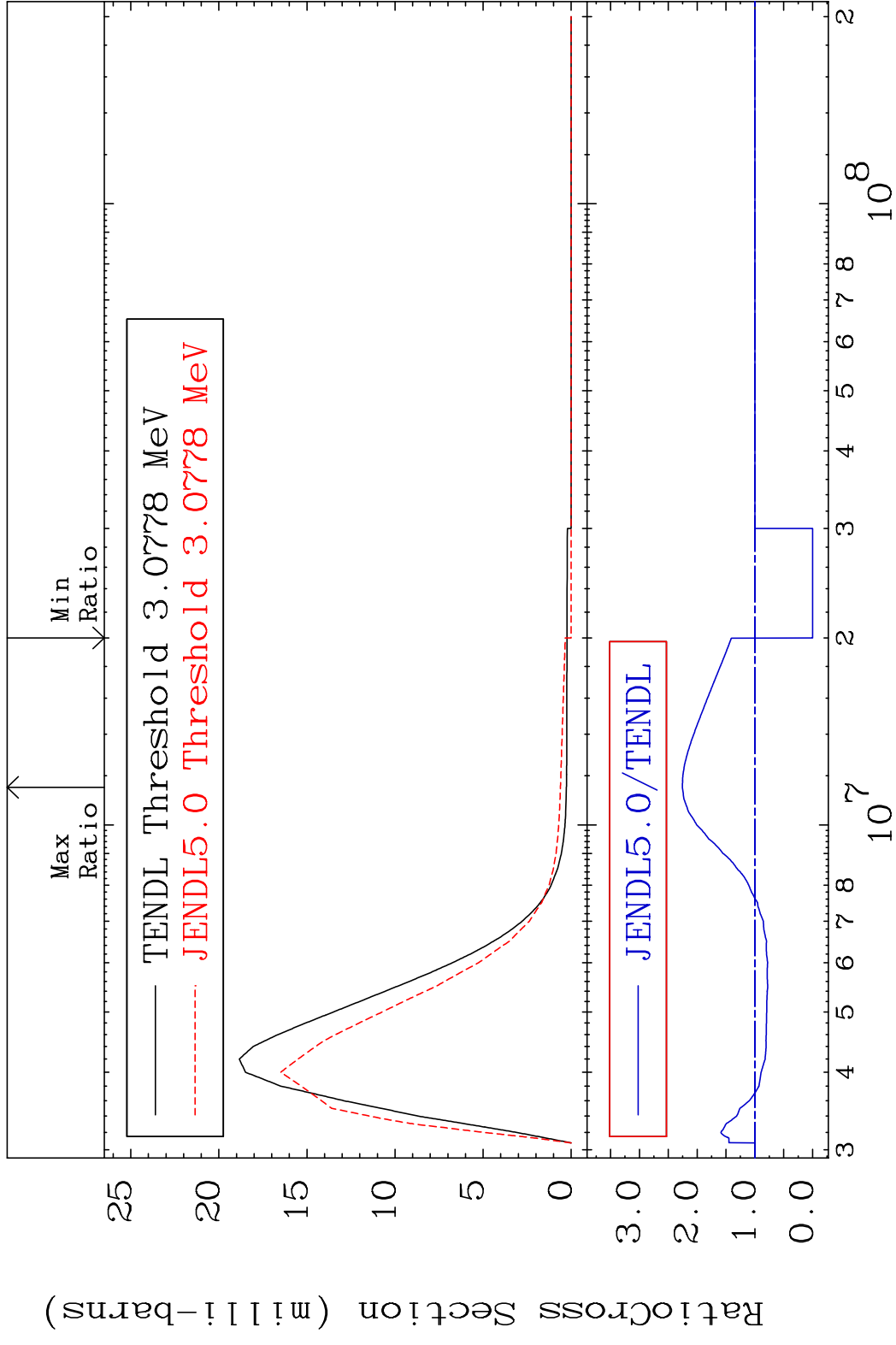
MAT 3825 MT= 64 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 86.10 %



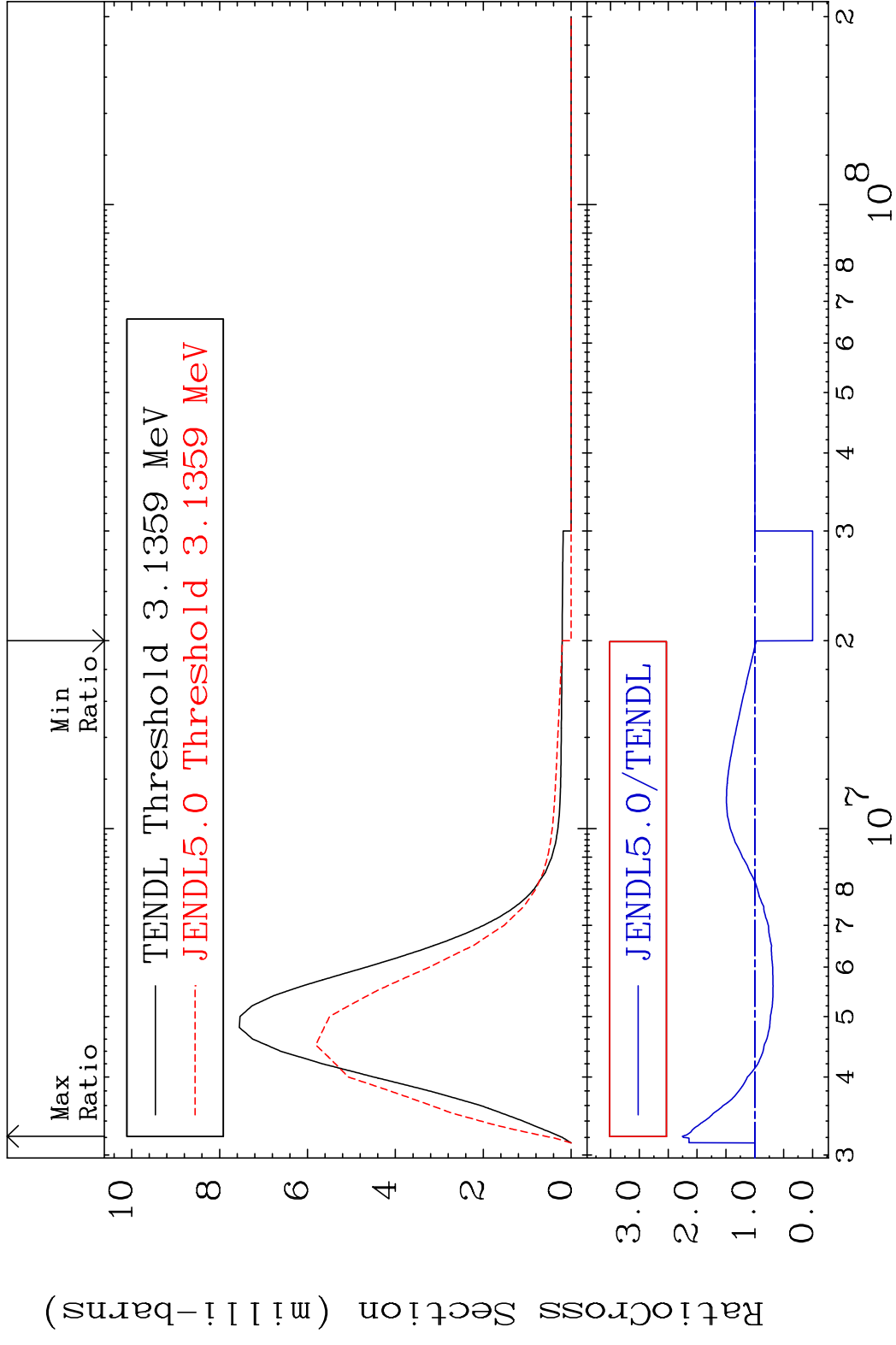
MAT 3825 MT= 65 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 63.25 %



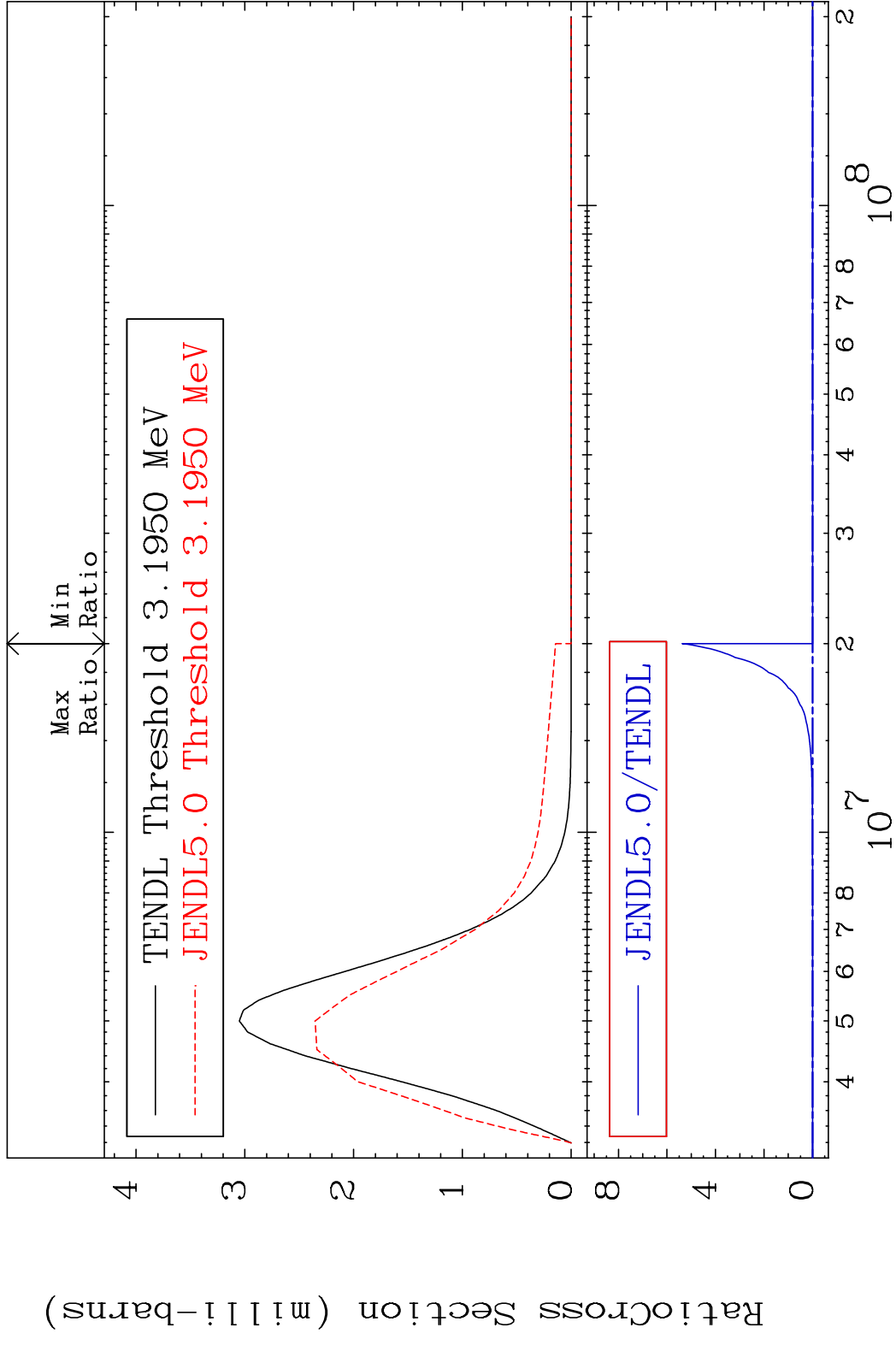
MAT 3825 MT= 66 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 125.6 %



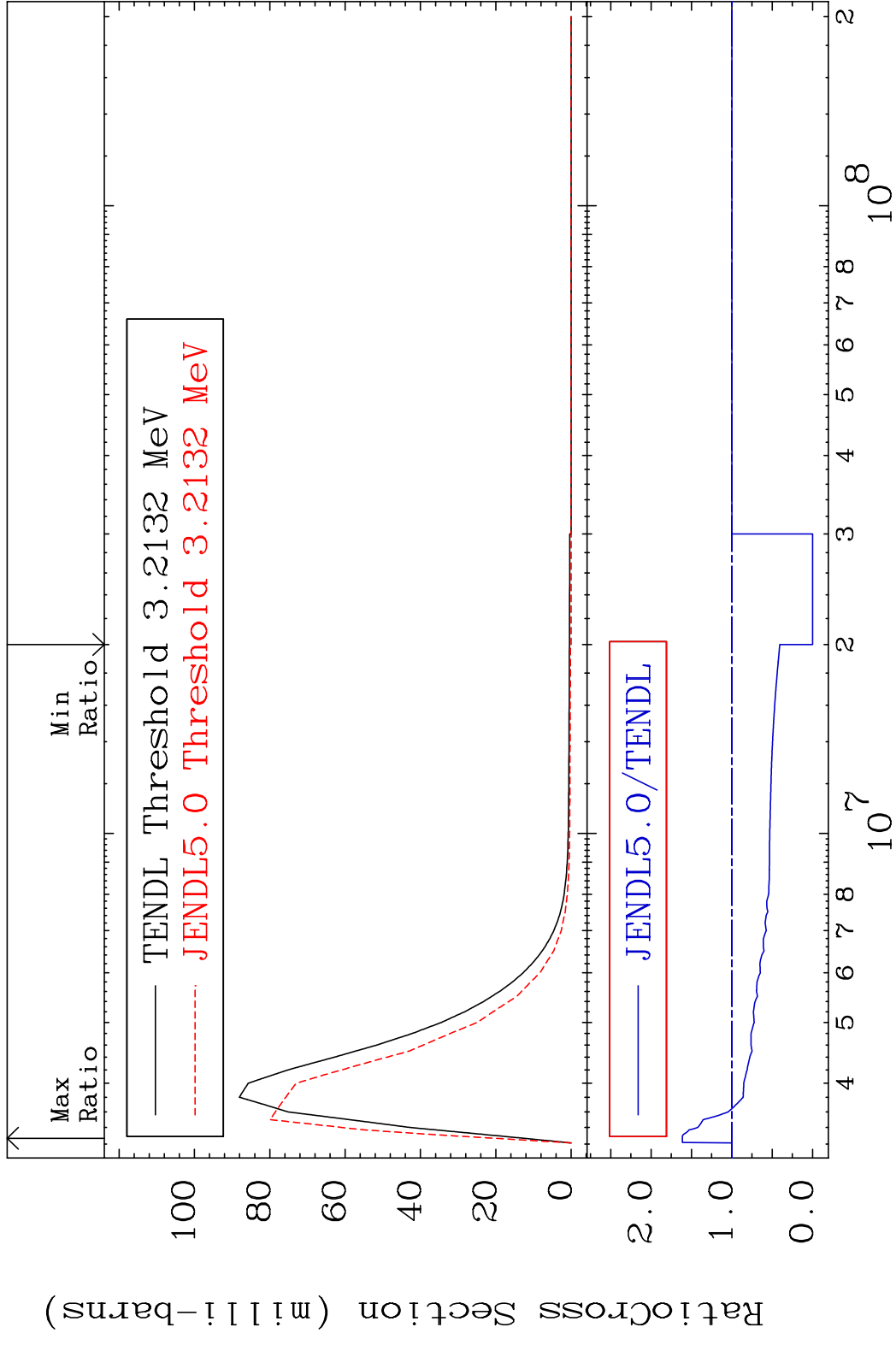
MAT 3825 MT= 67 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 125.5 %



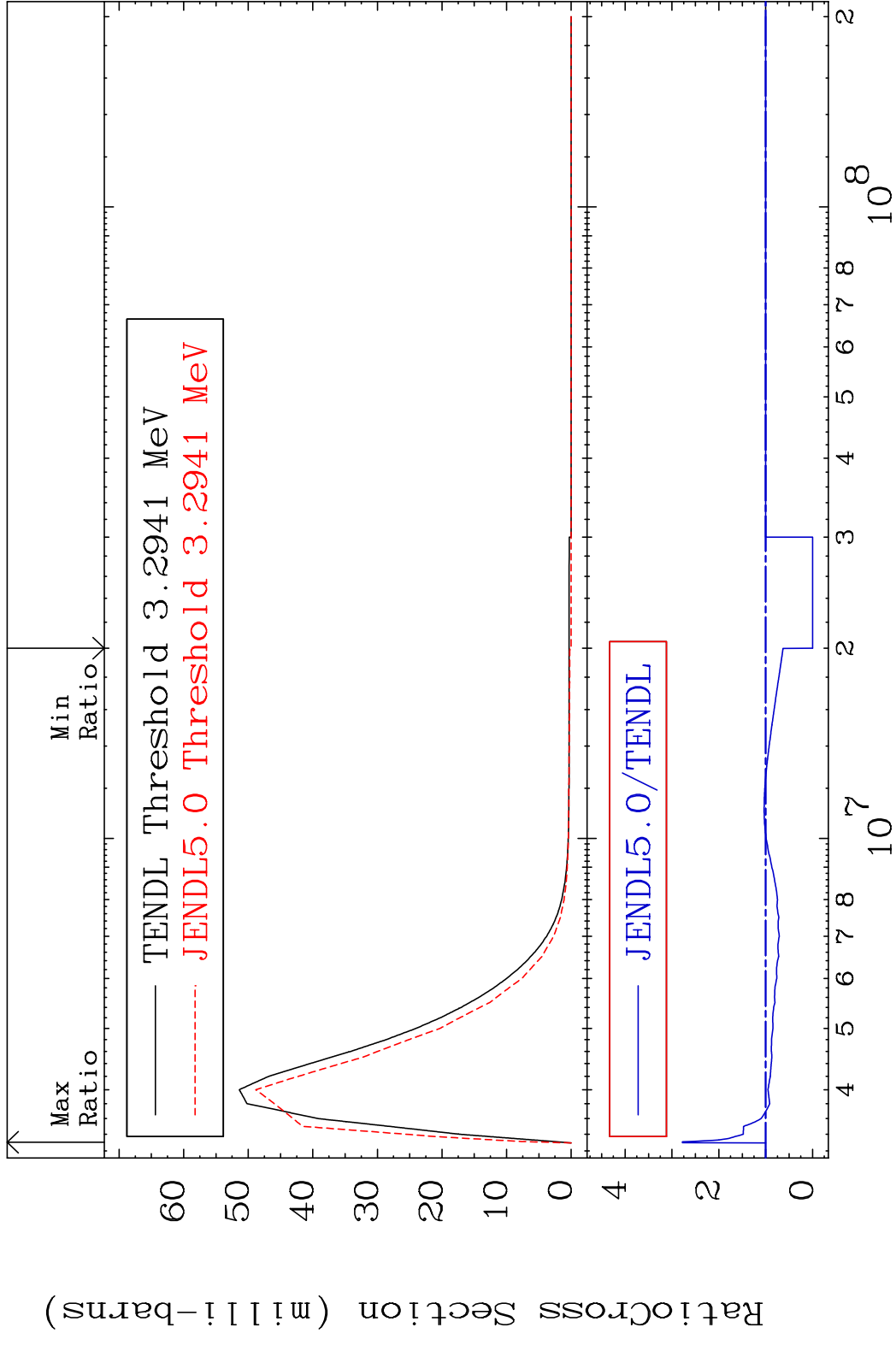
MAT 3825 MT= 68 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 9999. %



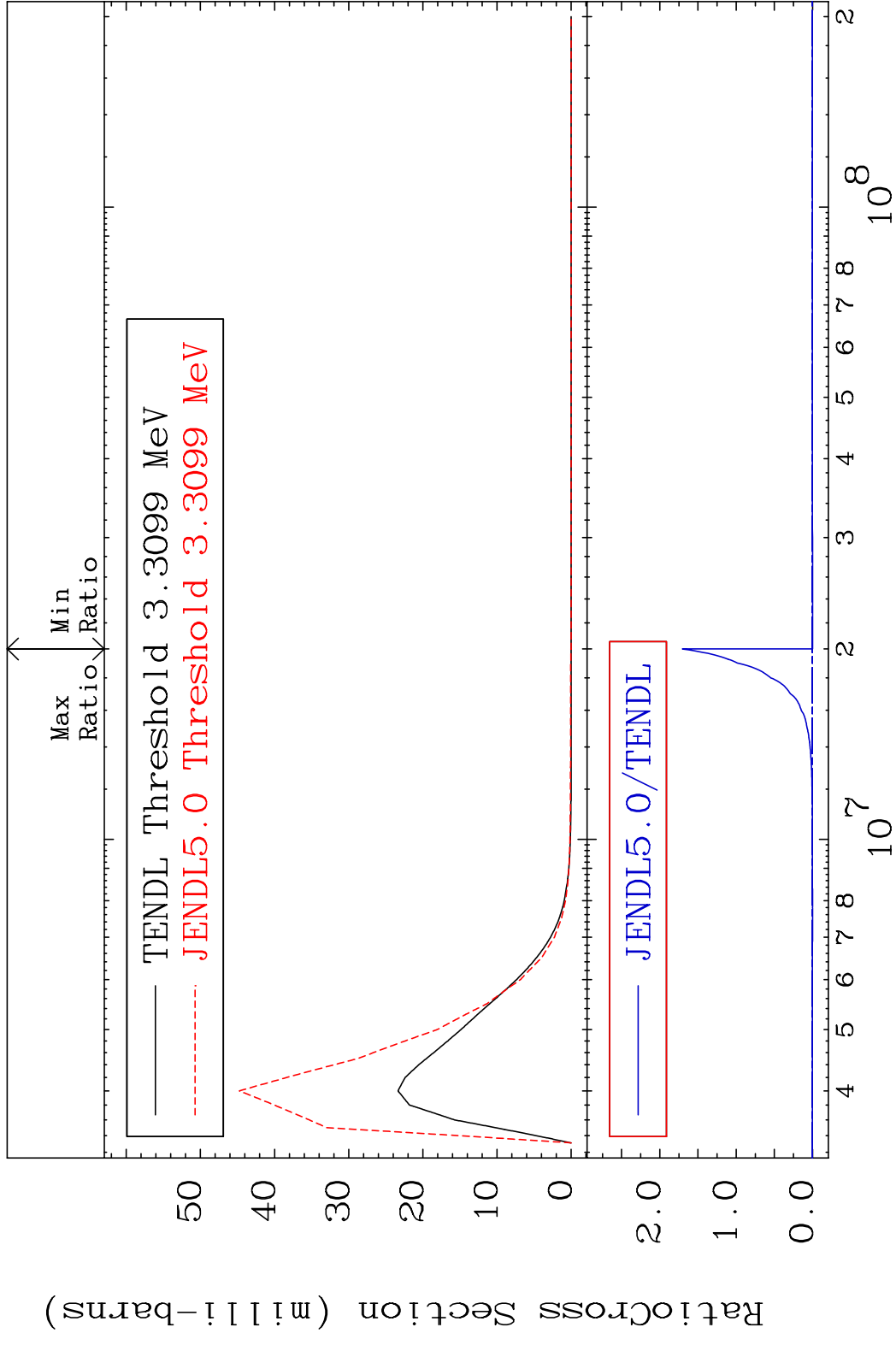
MAT 3825 MT= 69 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 61.31 %



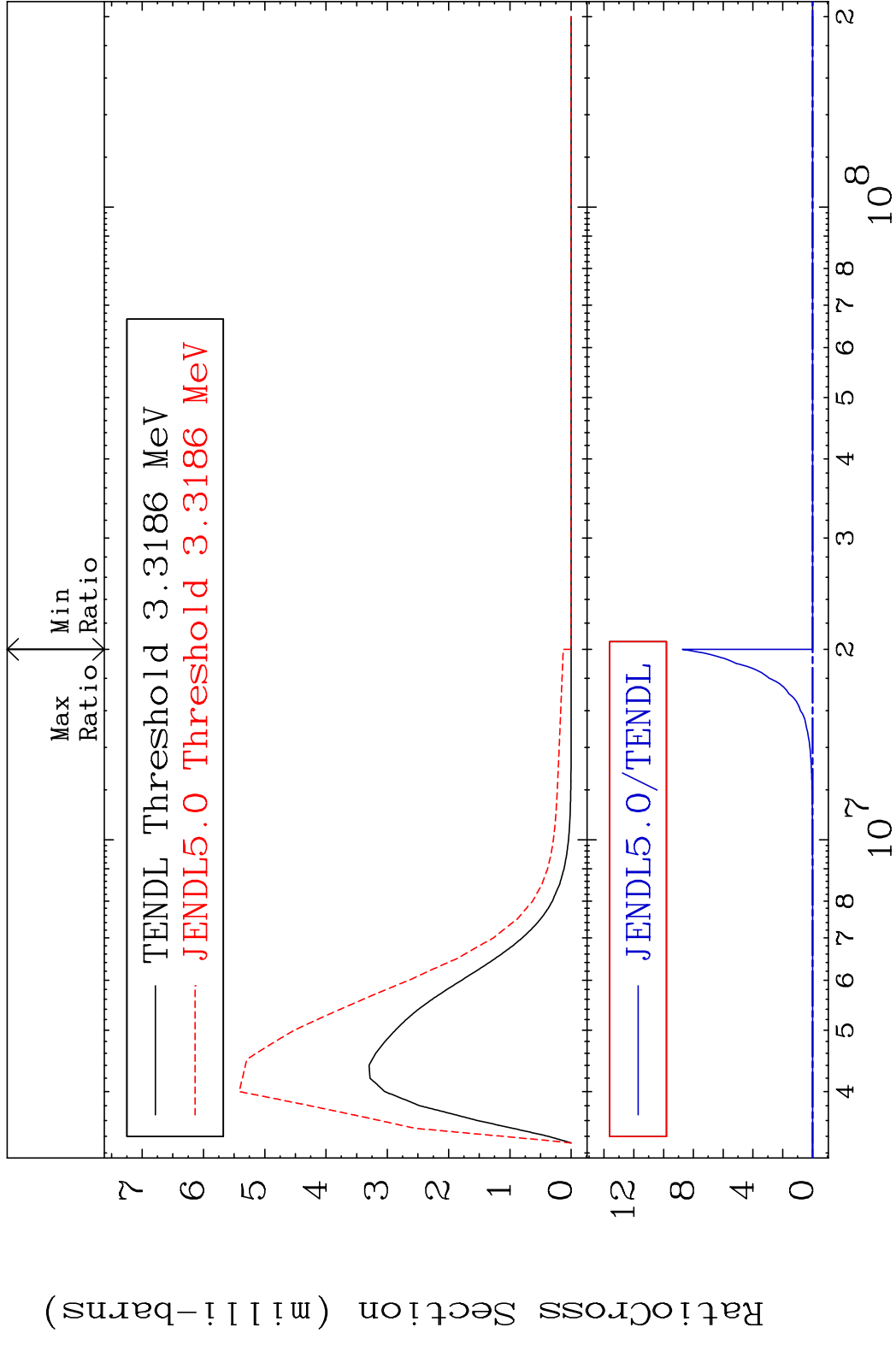
MAT 3825 MT= 70 (n,n') Level 38-Sr-84
 Cross Section -100.0 To 177.8 %



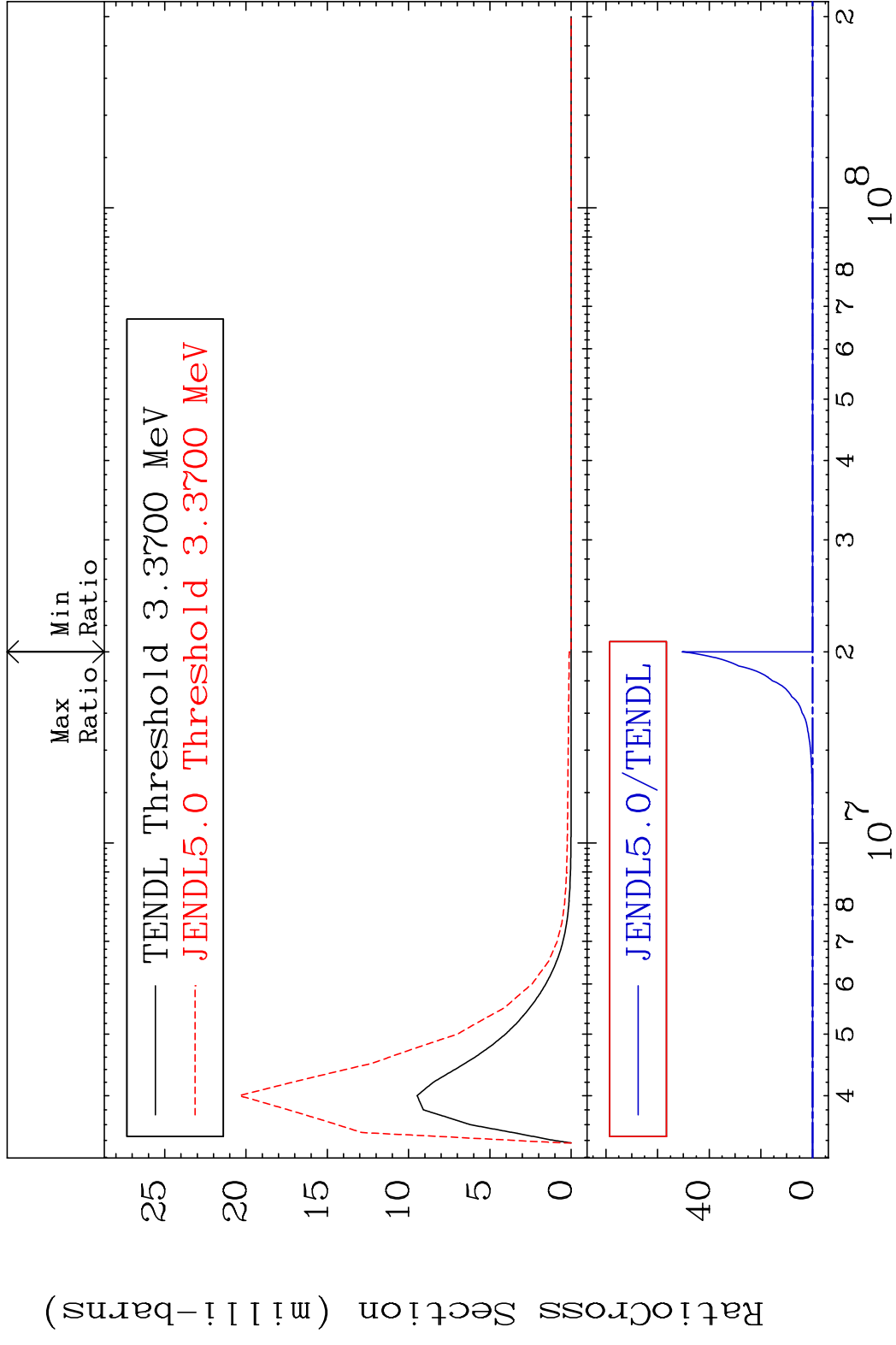
MAT 3825 MT= 71 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 9999. %



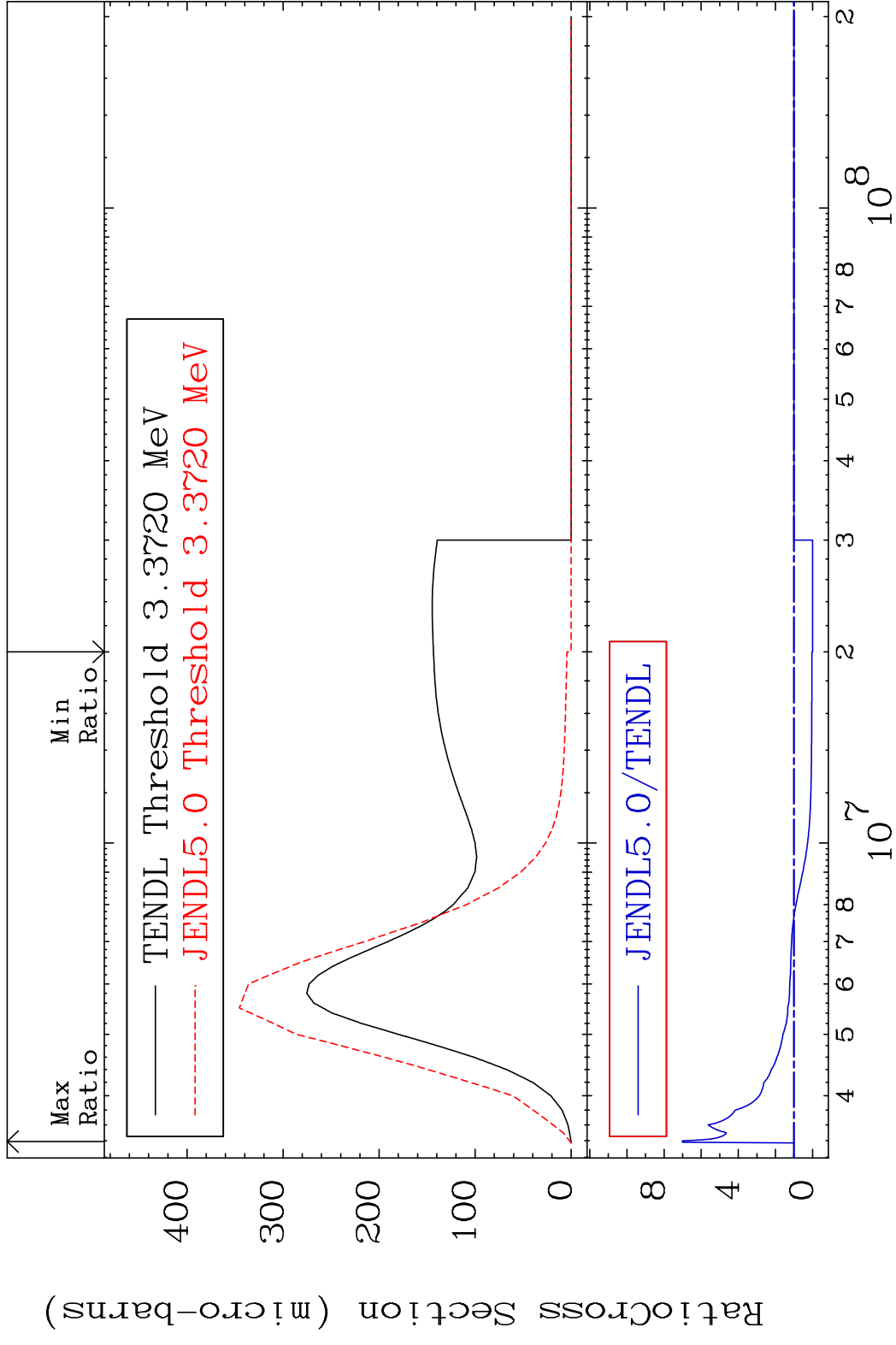
MAT 3825 MT= 72 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 9999. %



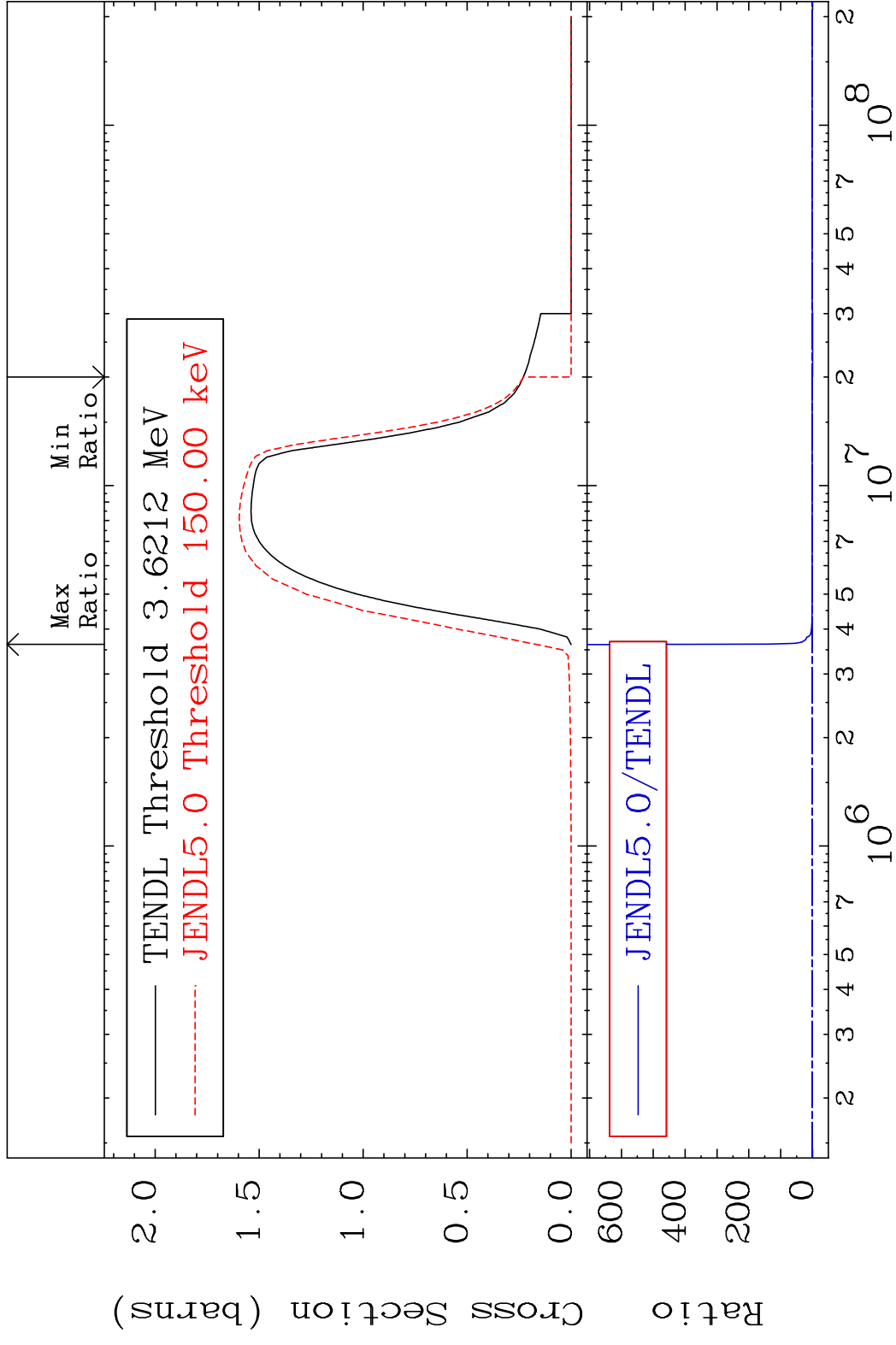
MAT 3825 MT= 73 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 9999. %



MAT 3825 MT= 74 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 601.4 %



MAT 3825 (n,n') Continuum 38-Sr-84
 Cross Section -100.0 To 9999. %

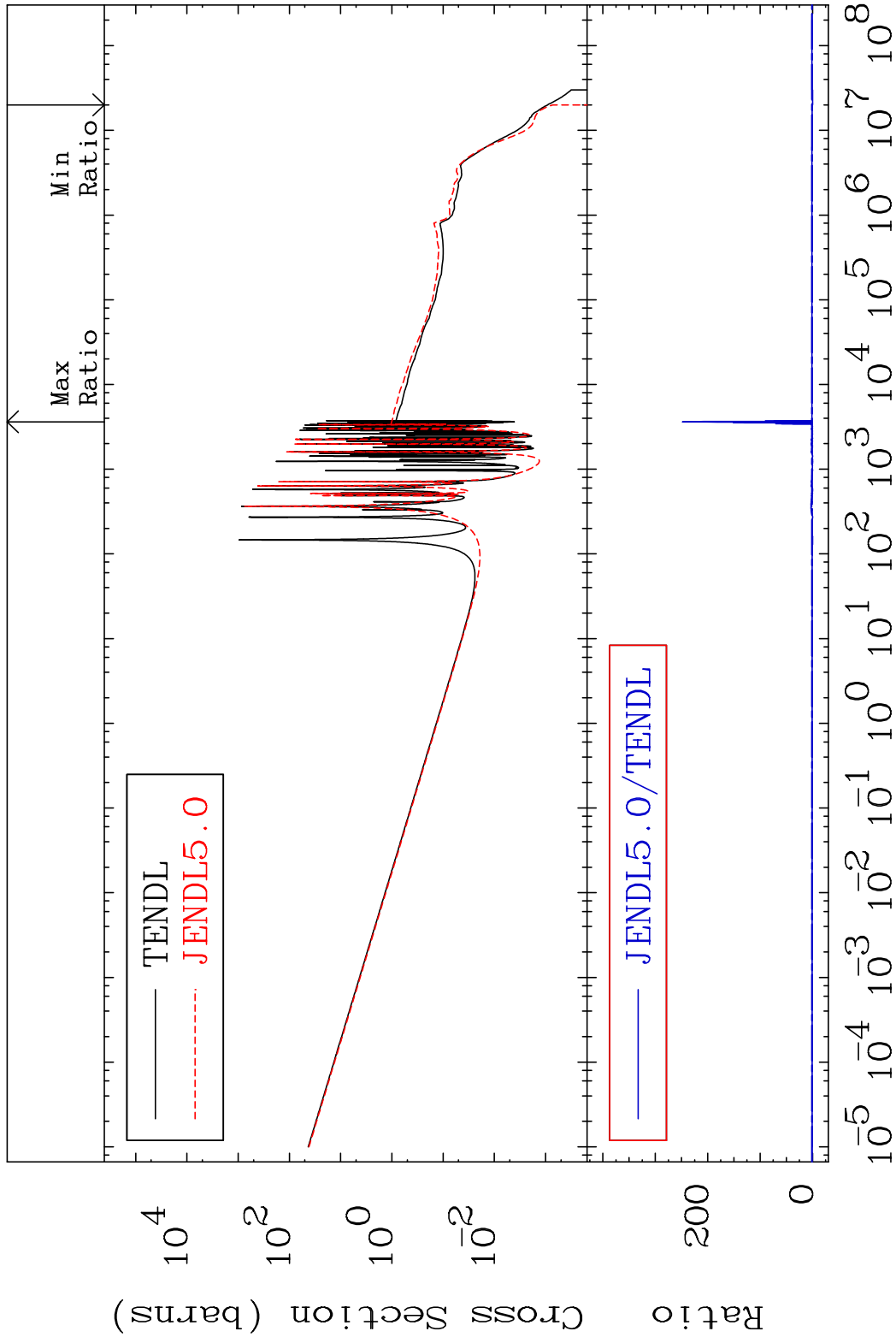


MAT 3825

(n, γ)

38-Sr-84

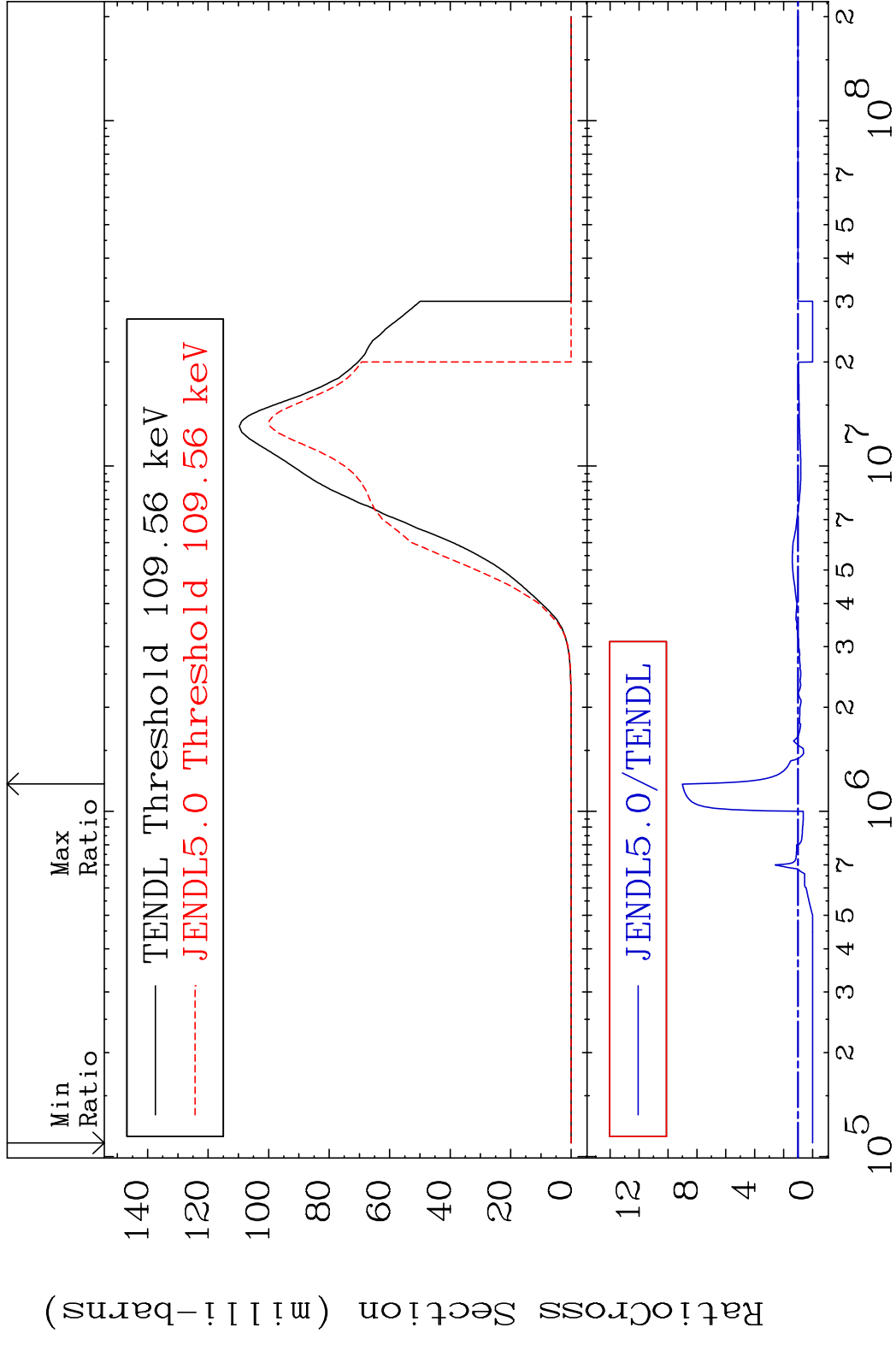
Cross Section -100.0 To 9999. %



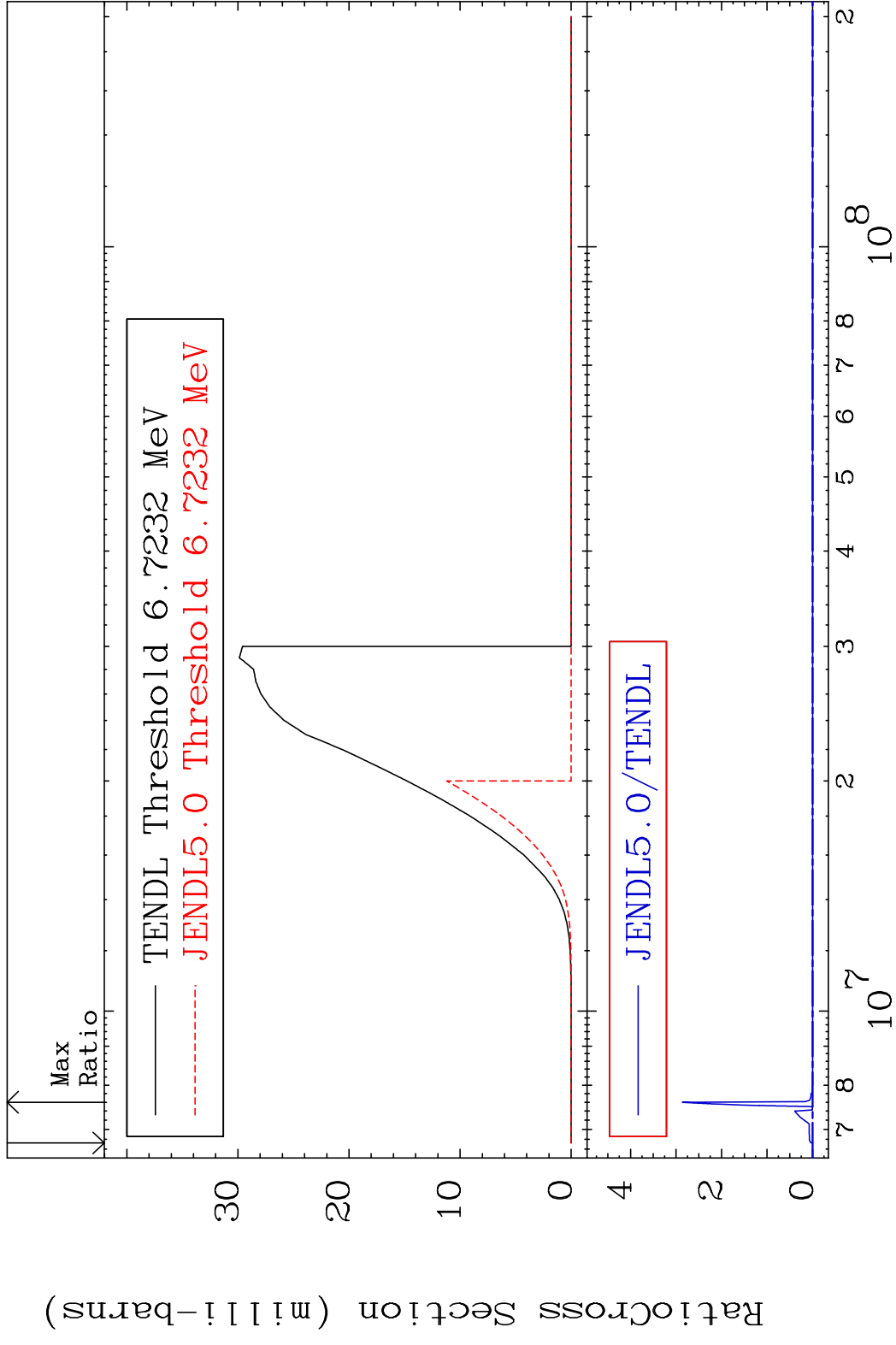
34

Incident Energy (eV)

38-Sr-84



MAT 3825 (n,d) 38-Sr-84
 Cross Section -100.0 To 9999. %



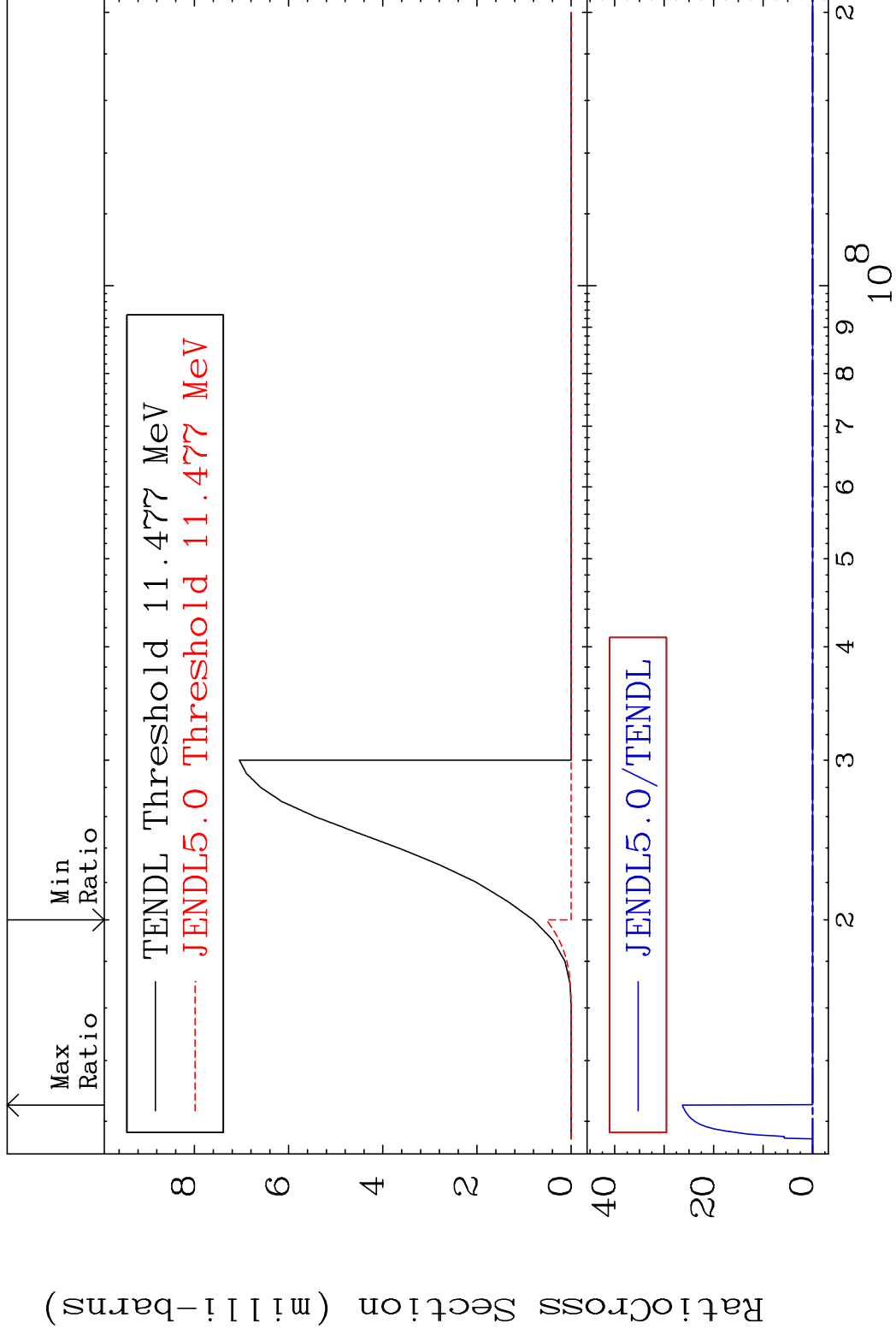
36 38-Sr-84

MAT 3825

(n, t)

38-Sr-84

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

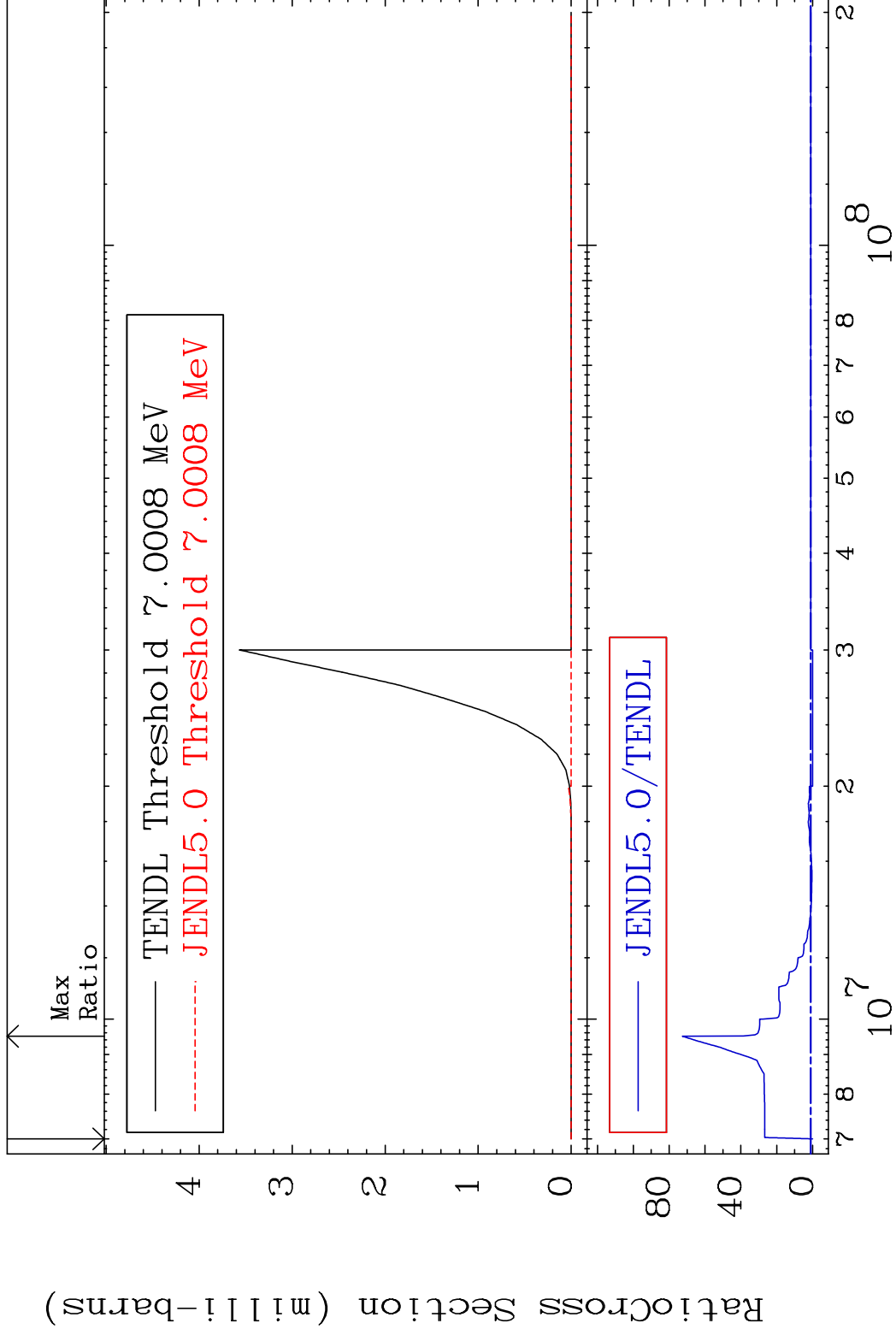
38-Sr-84

MAT 3825

(n, He-3)

38-Sr-84

Cross Section -100.0 To 7164. %



38

Incident Energy (eV)

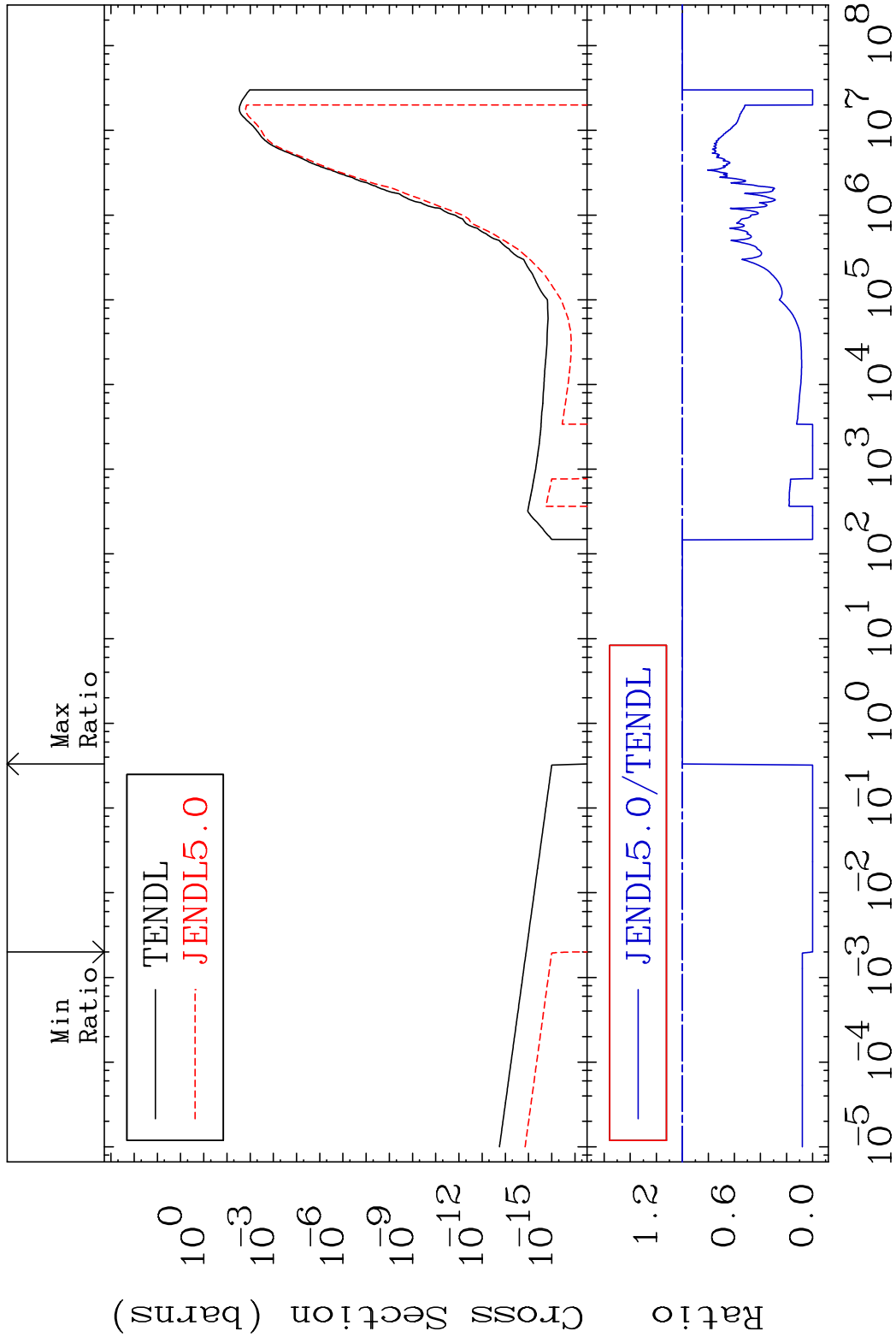
38-Sr-84

MAT 3825

(n, α)

38-Sr-84

Cross Section -100.0 To 0.000 %

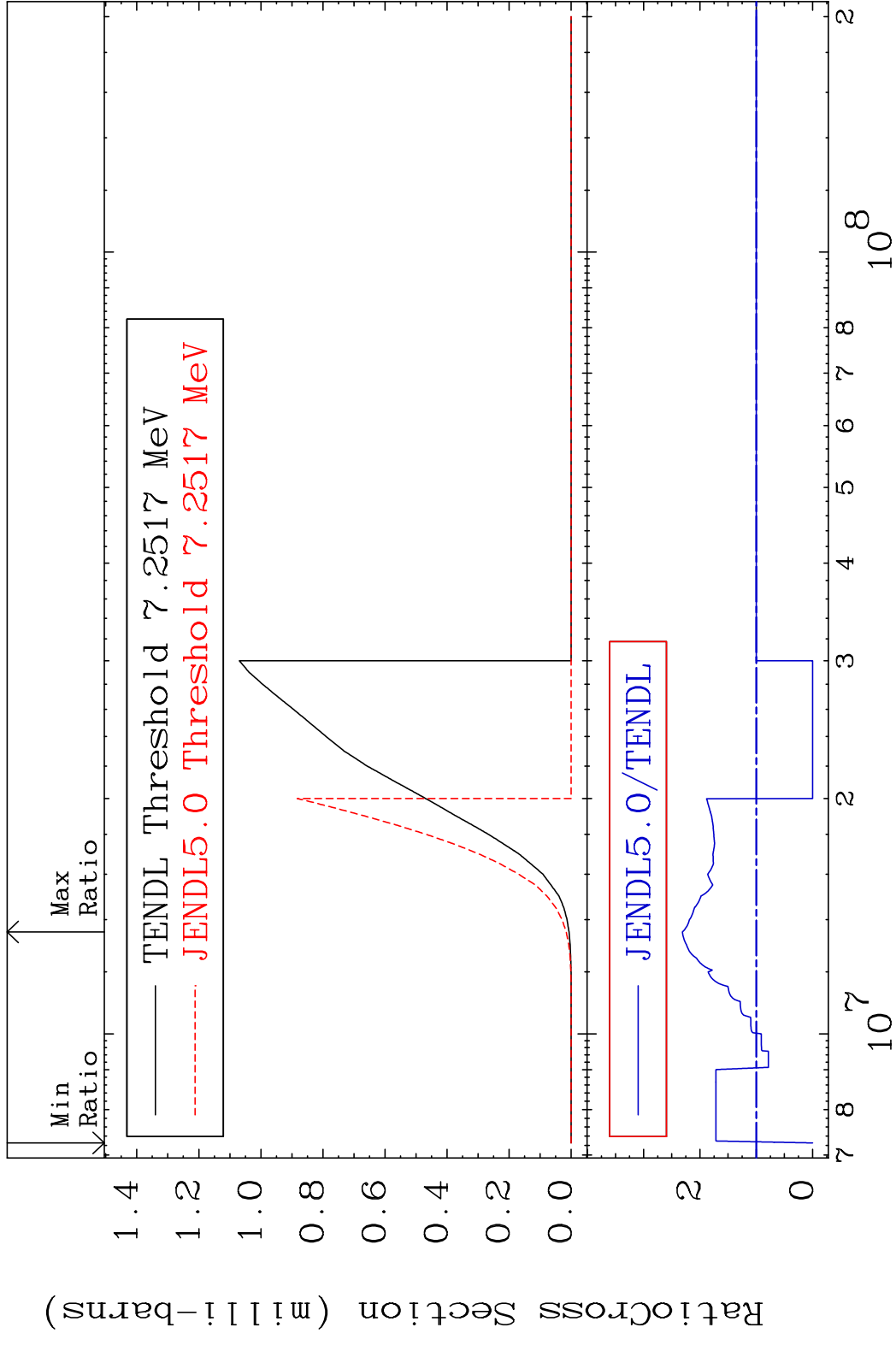


39

Incident Energy (eV)

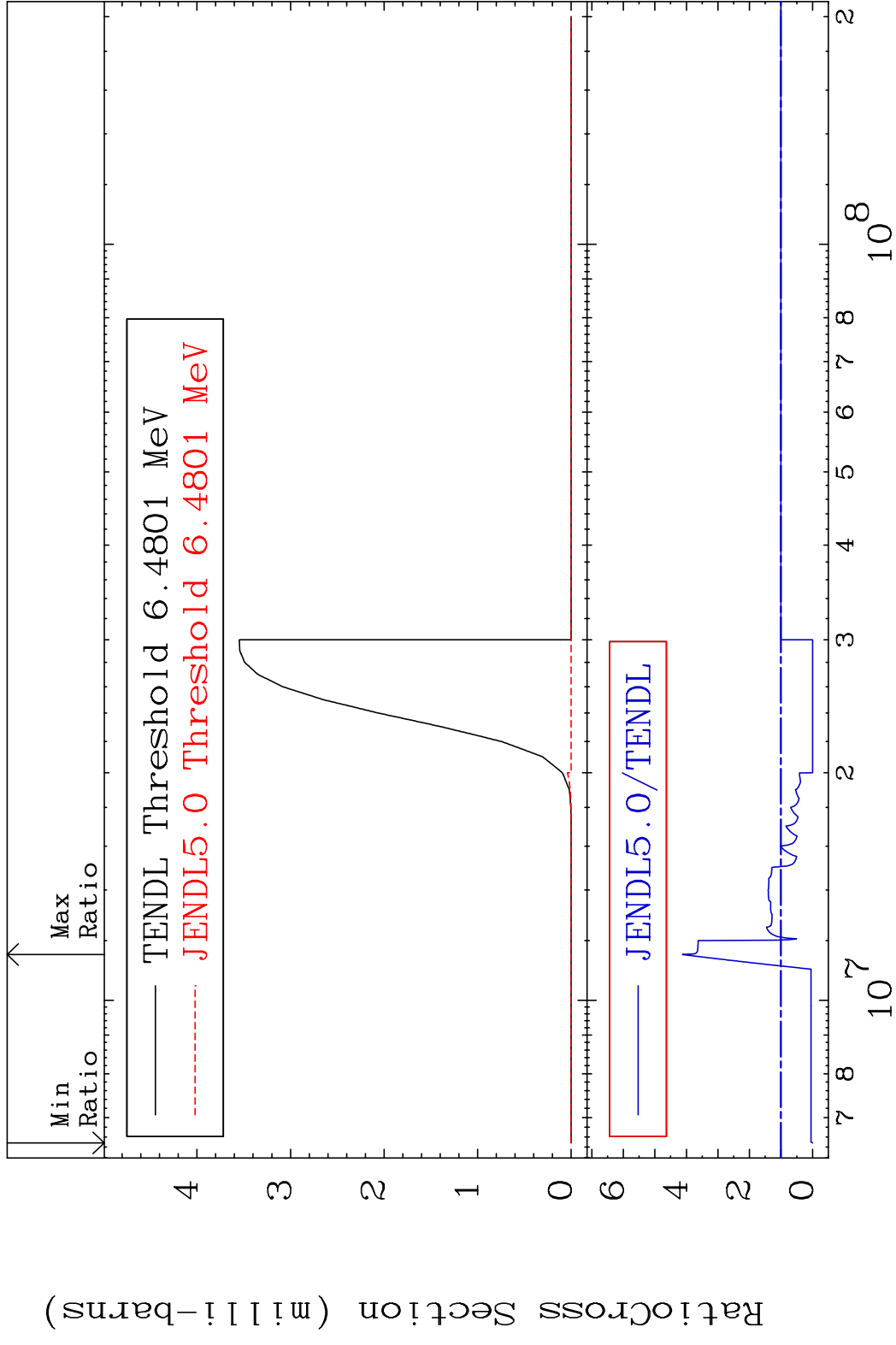
38-Sr-84

MAT 3825 (n,2p) 38-Sr-84
 Cross Section -100.0 To 131.2 %

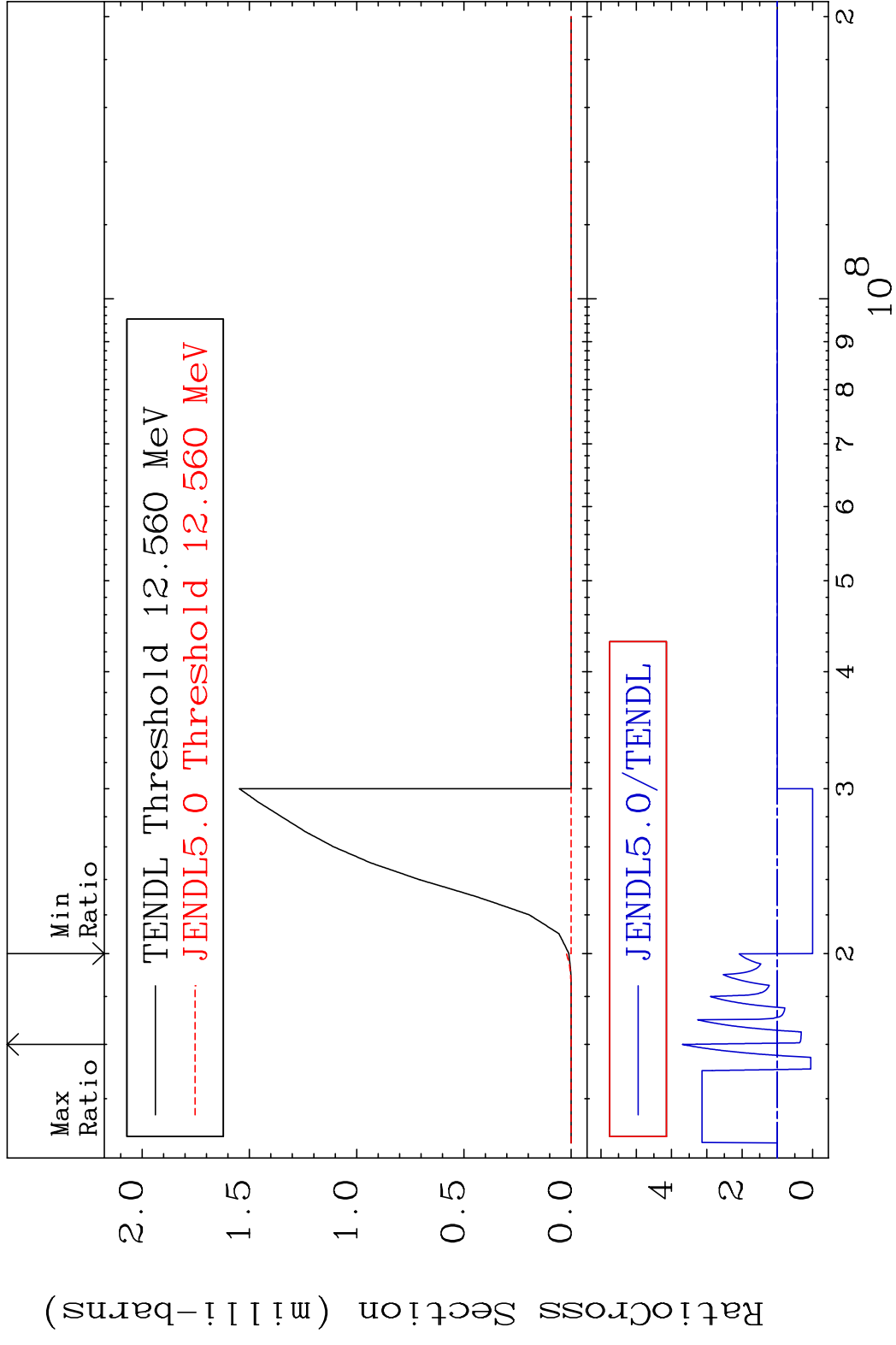


40 Incident Energy (eV) 38-Sr-84

MAT 3825 (n,p) α 38-Sr-84
 Cross Section -100.0 To 312.8 %



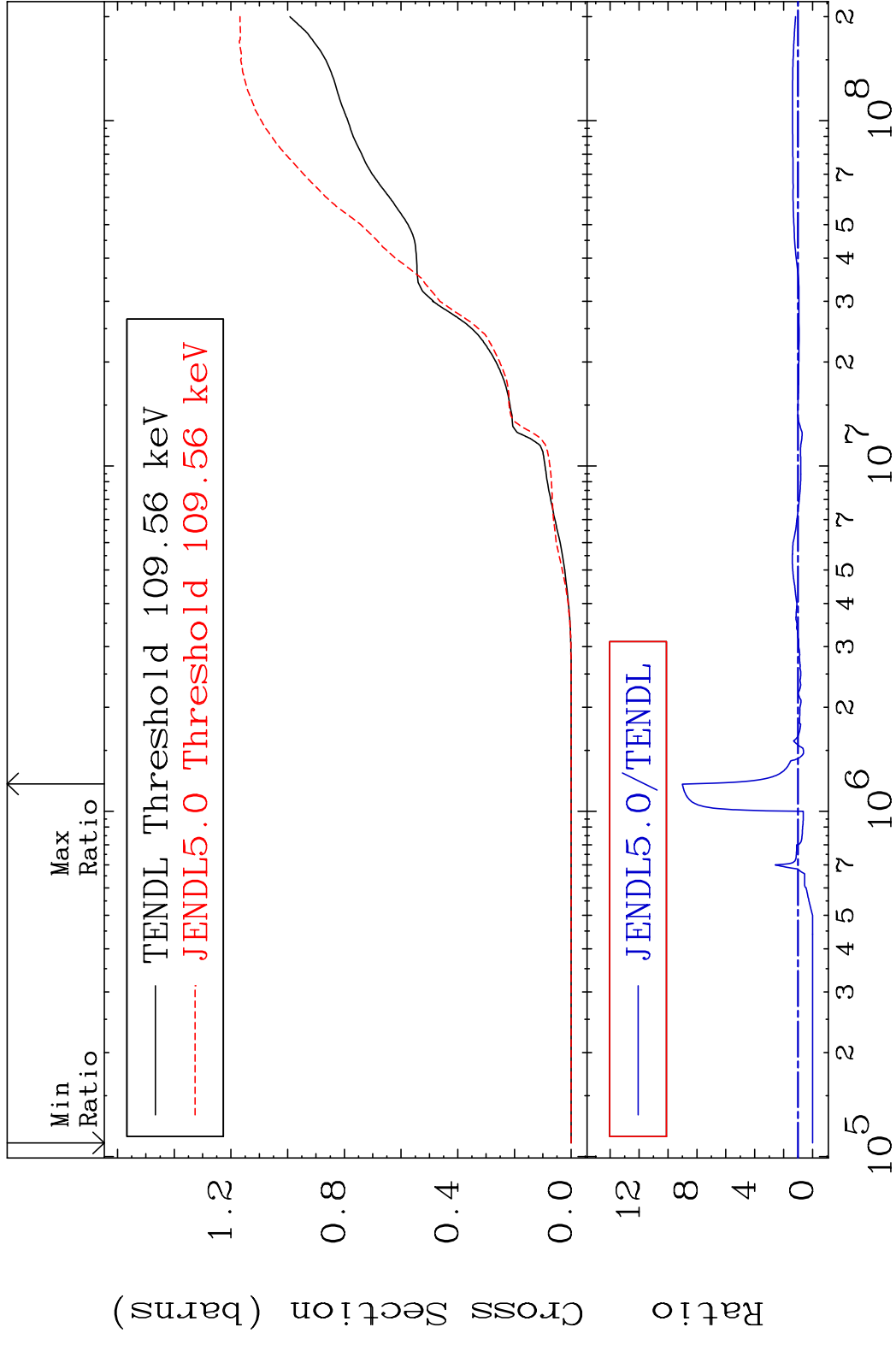
MAT 3825 (n,p) d 38-Sr-84
 Cross Section -100.0 To 269.2 %



MAT 3825

Hydrogen Production
Cross Section -100.0 To 800.5 %

38-Sr-84

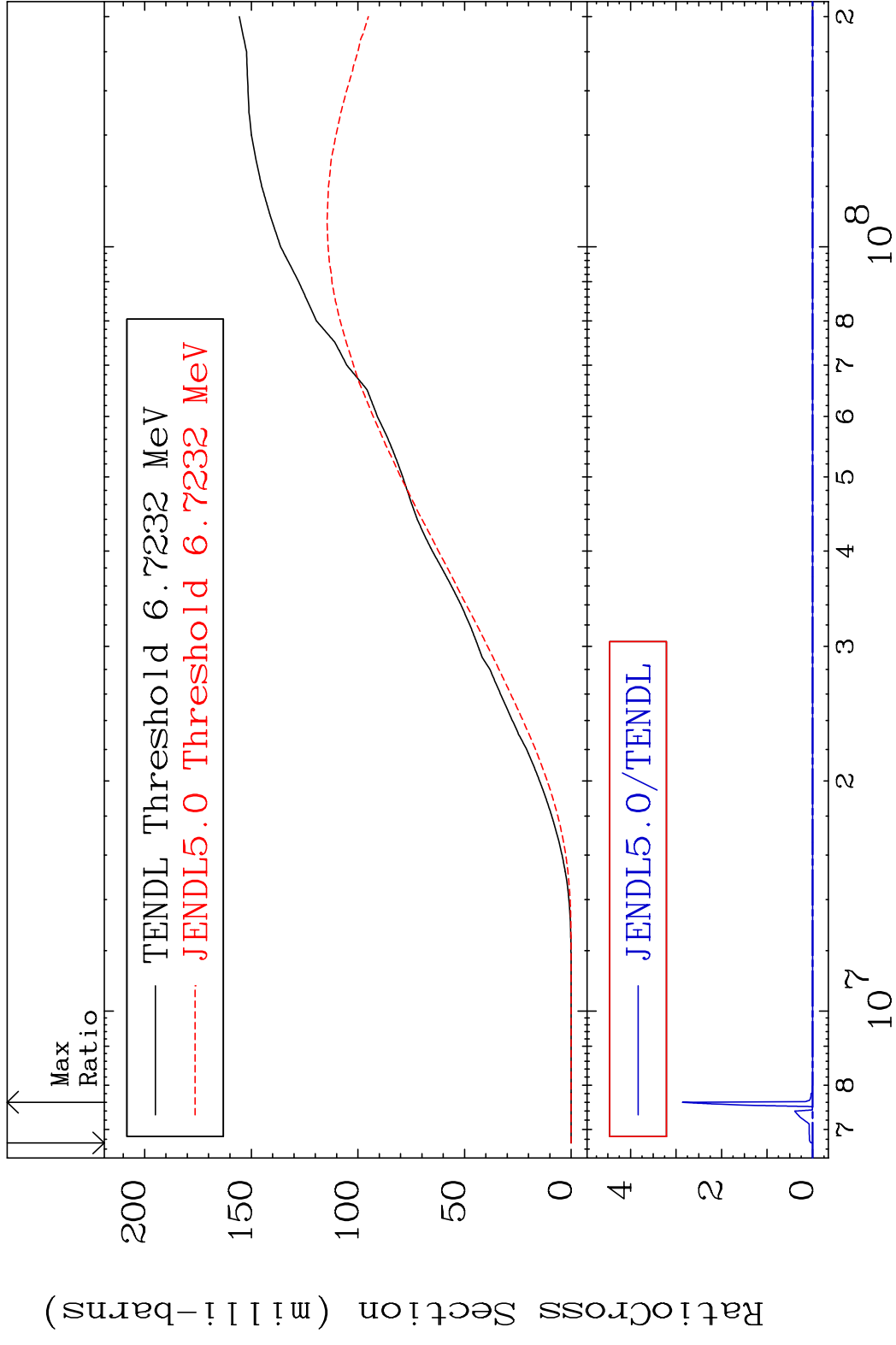


43

Incident Energy (eV)

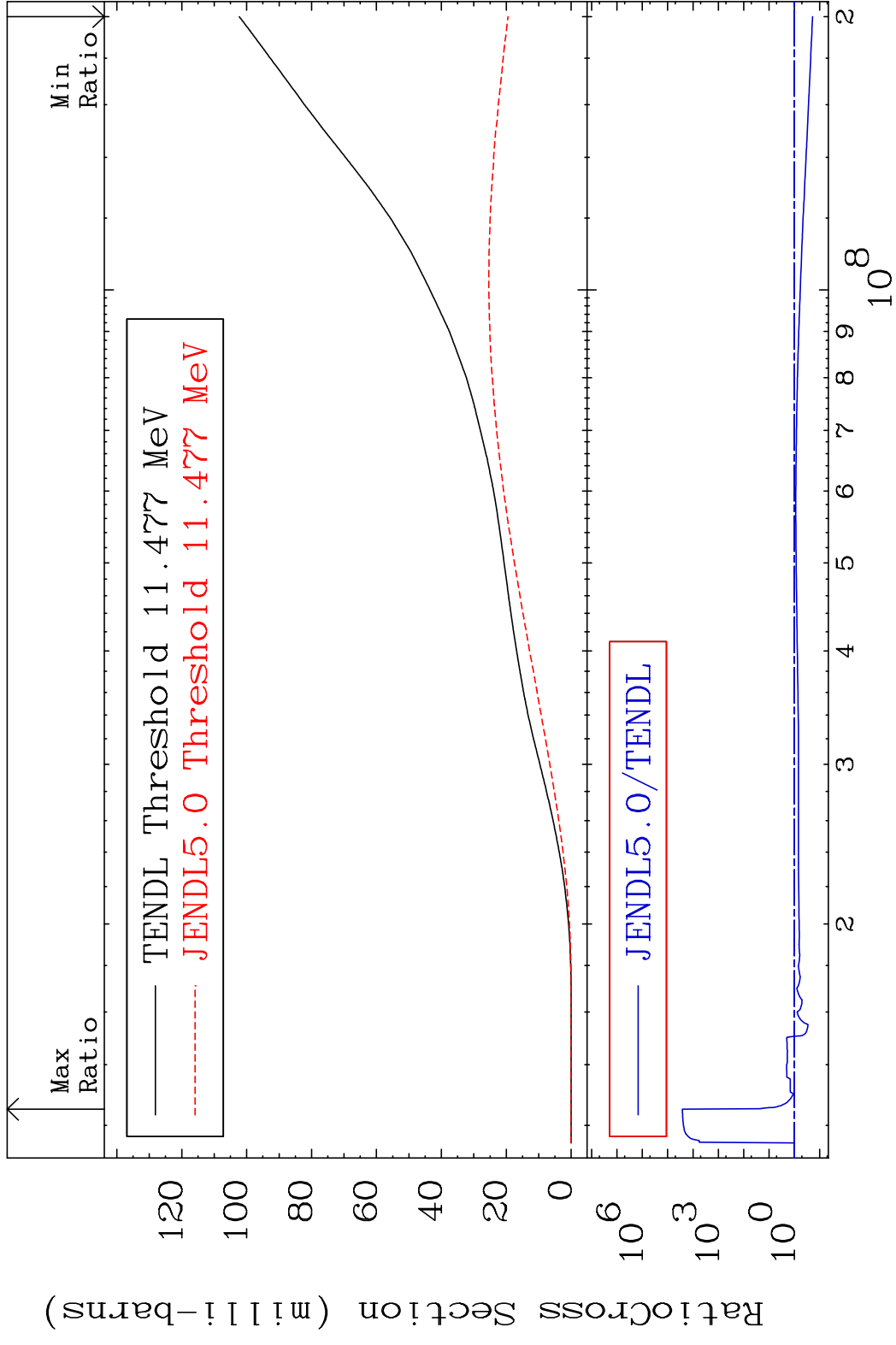
38-Sr-84

MAT 3825 Deuterium Production 38-Sr-84
 Cross Section -100.0 To 9999. %



44 38-Sr-84

MAT 3825 Tritium Production 38-Sr-84
 Cross Section -80.96 To 9999. %

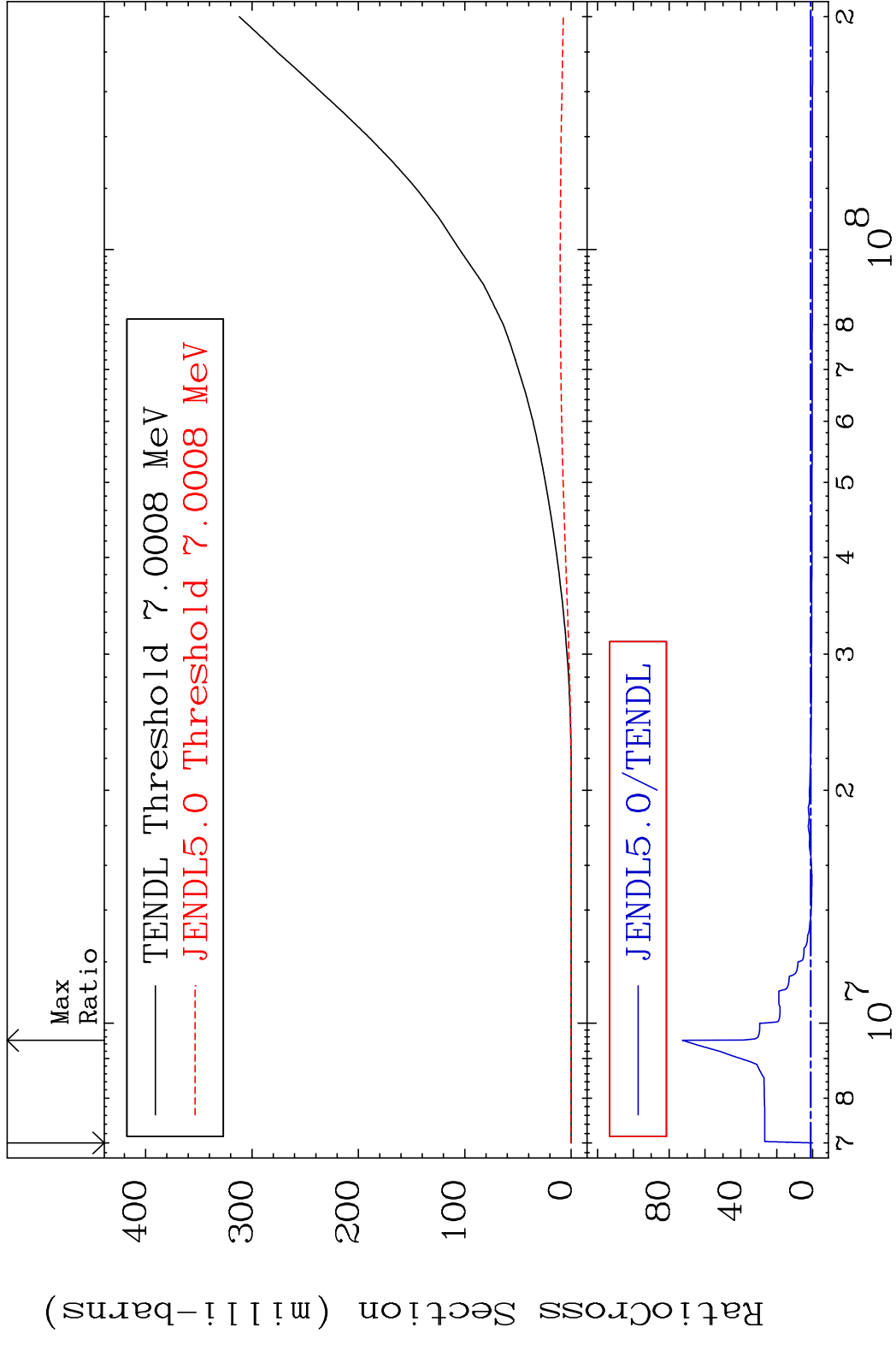


MAT 3825

He-3 Production

38-Sr-84

Cross Section -100.0 To 7164. %



46

Incident Energy (eV)

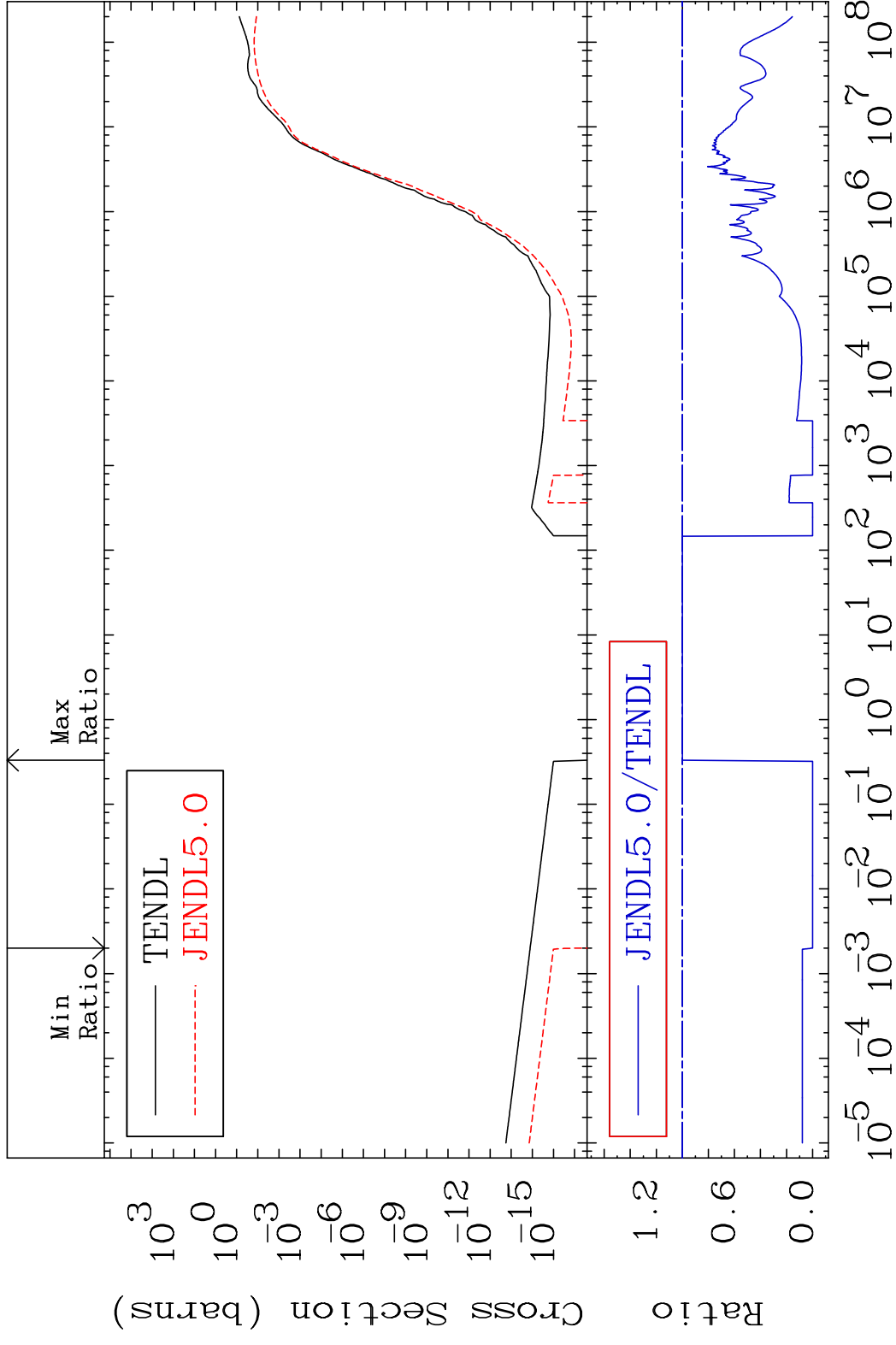
38-Sr-84

MAT 3825

He-4 Production

38-Sr-84

Cross Section -100.0 To 0.000 %

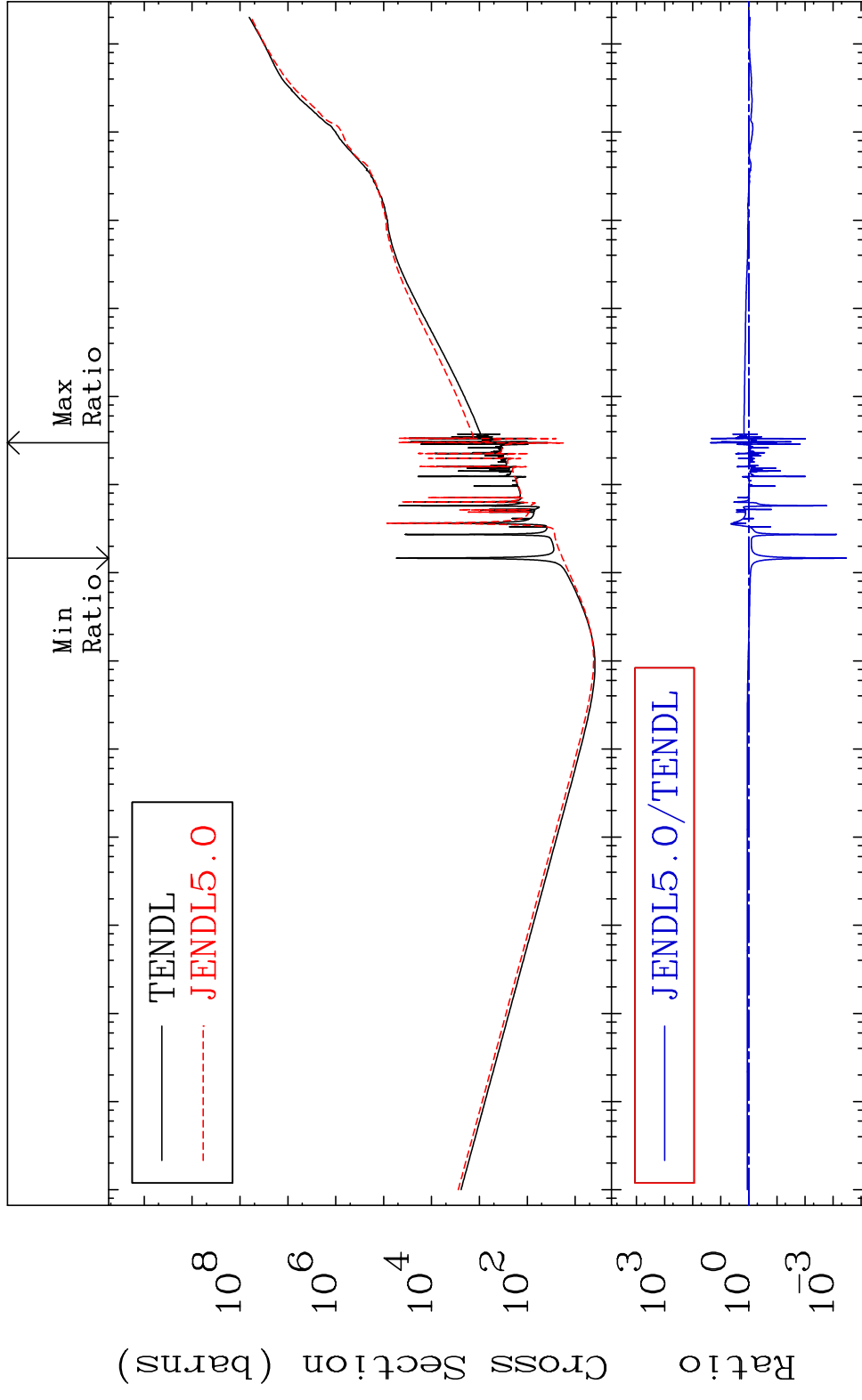


47

Incident Energy (eV)

38-Sr-84

MAT 3825 Kerma total (eV-barns) 38-Sr-84
 Cross Section -99.97 To 2182. %

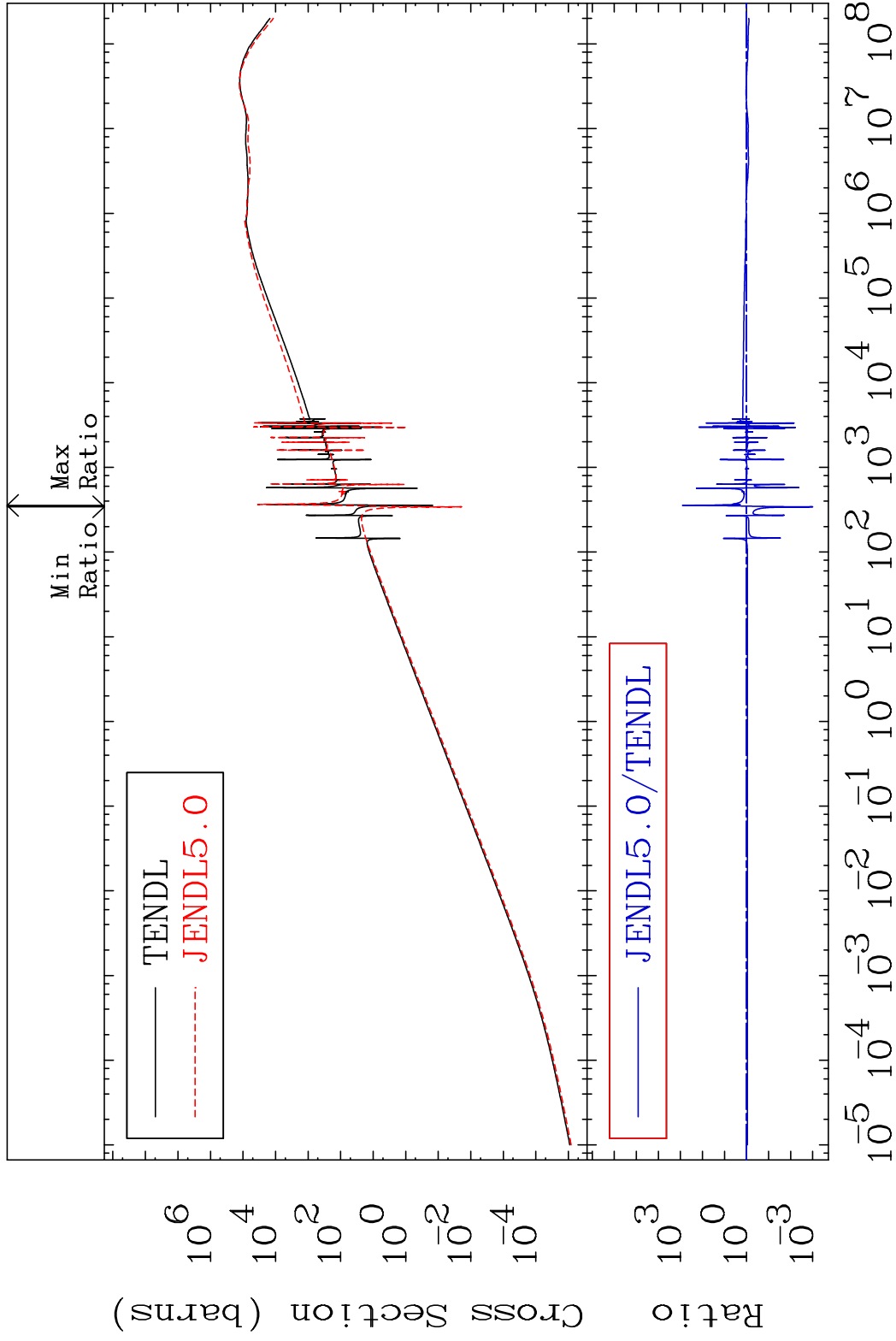


48 Incident Energy (eV) 38-Sr-84

MAT 3825

Kerma elastic
Cross Section -99.90 To 9999. %

38-Sr-84

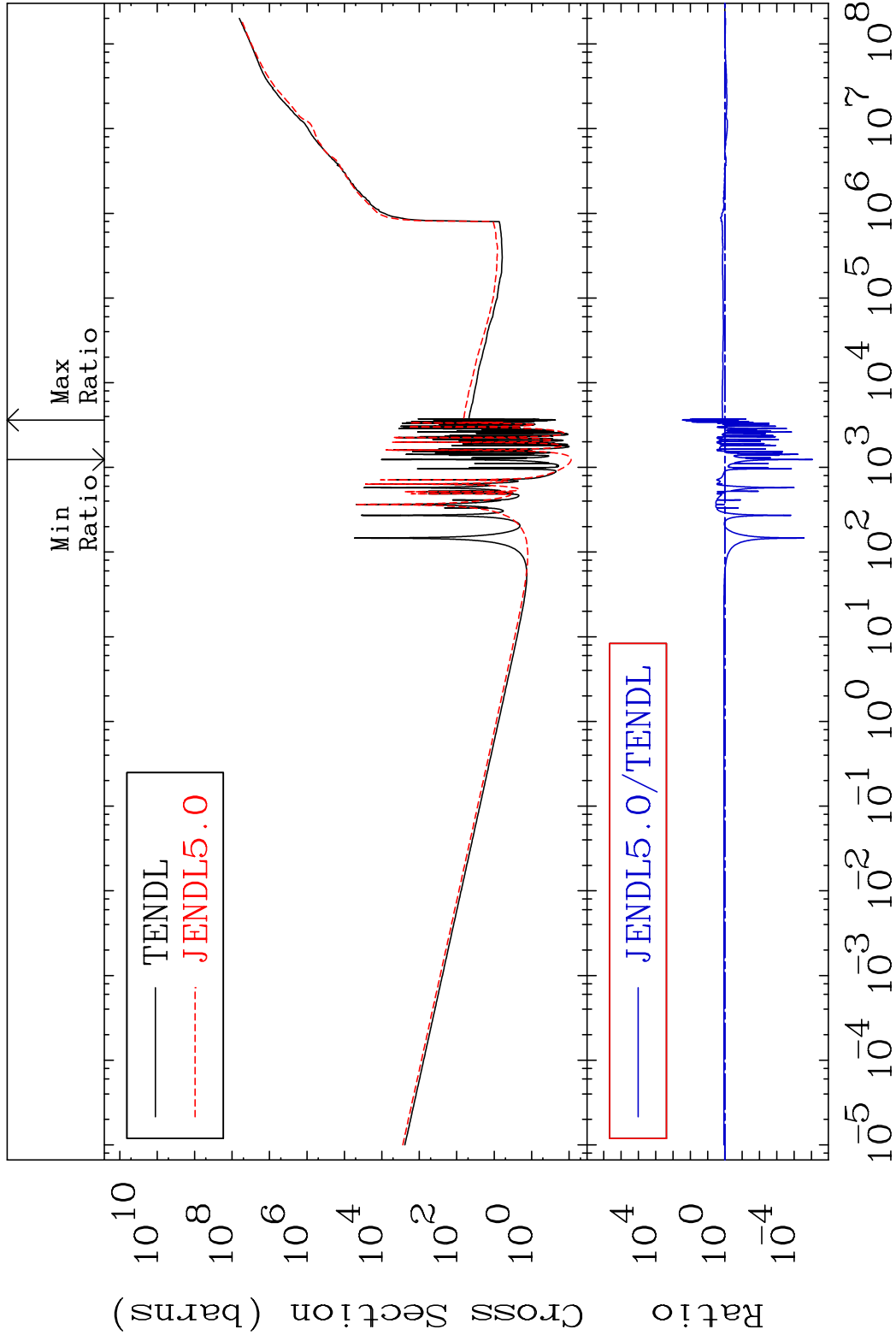


49

Incident Energy (eV)

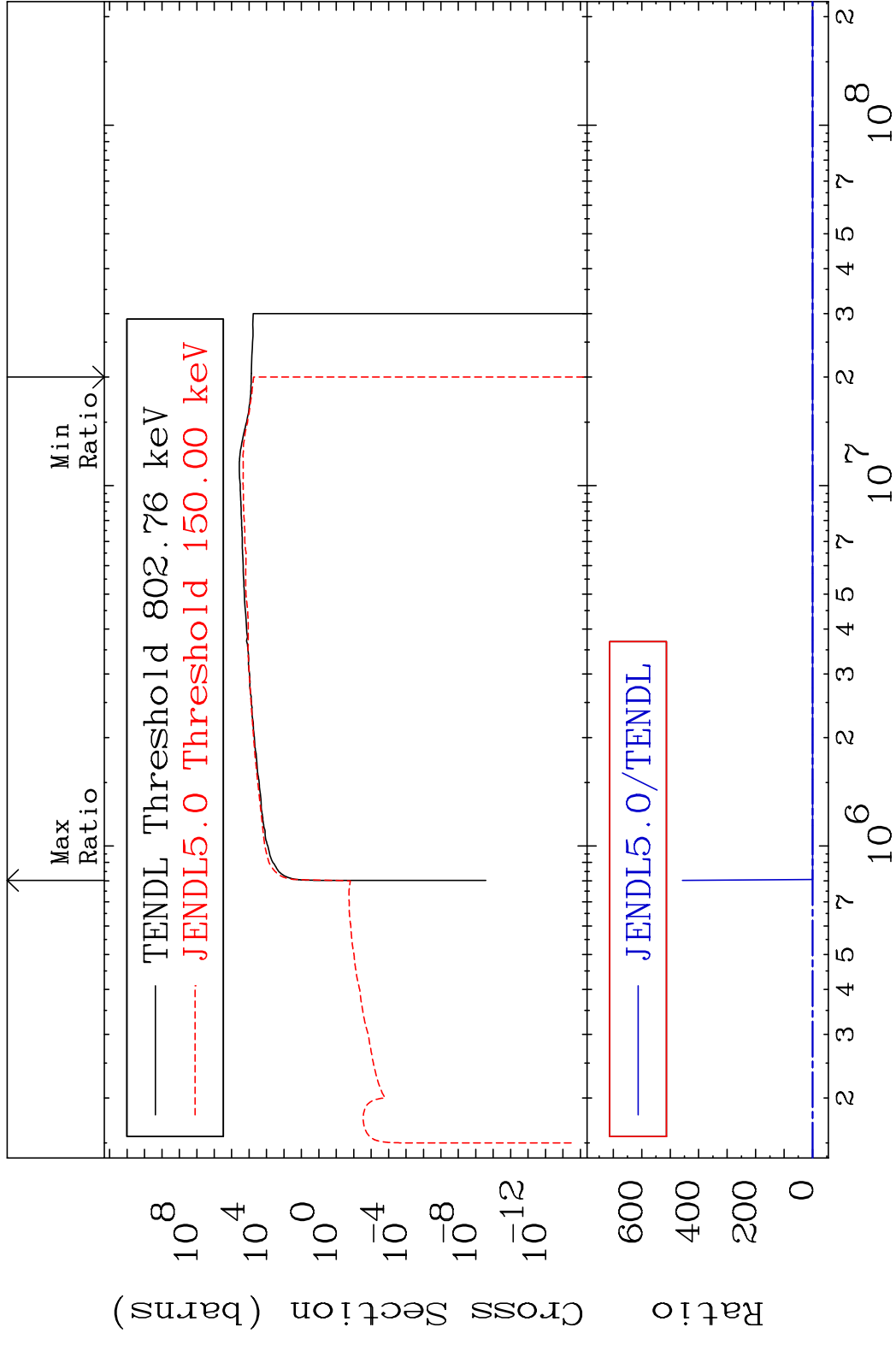
38-Sr-84

MAT 3825 Kerma non-elastic (all but mt2) 38-Sr-84
 Cross Section -100.0 To 9999. %

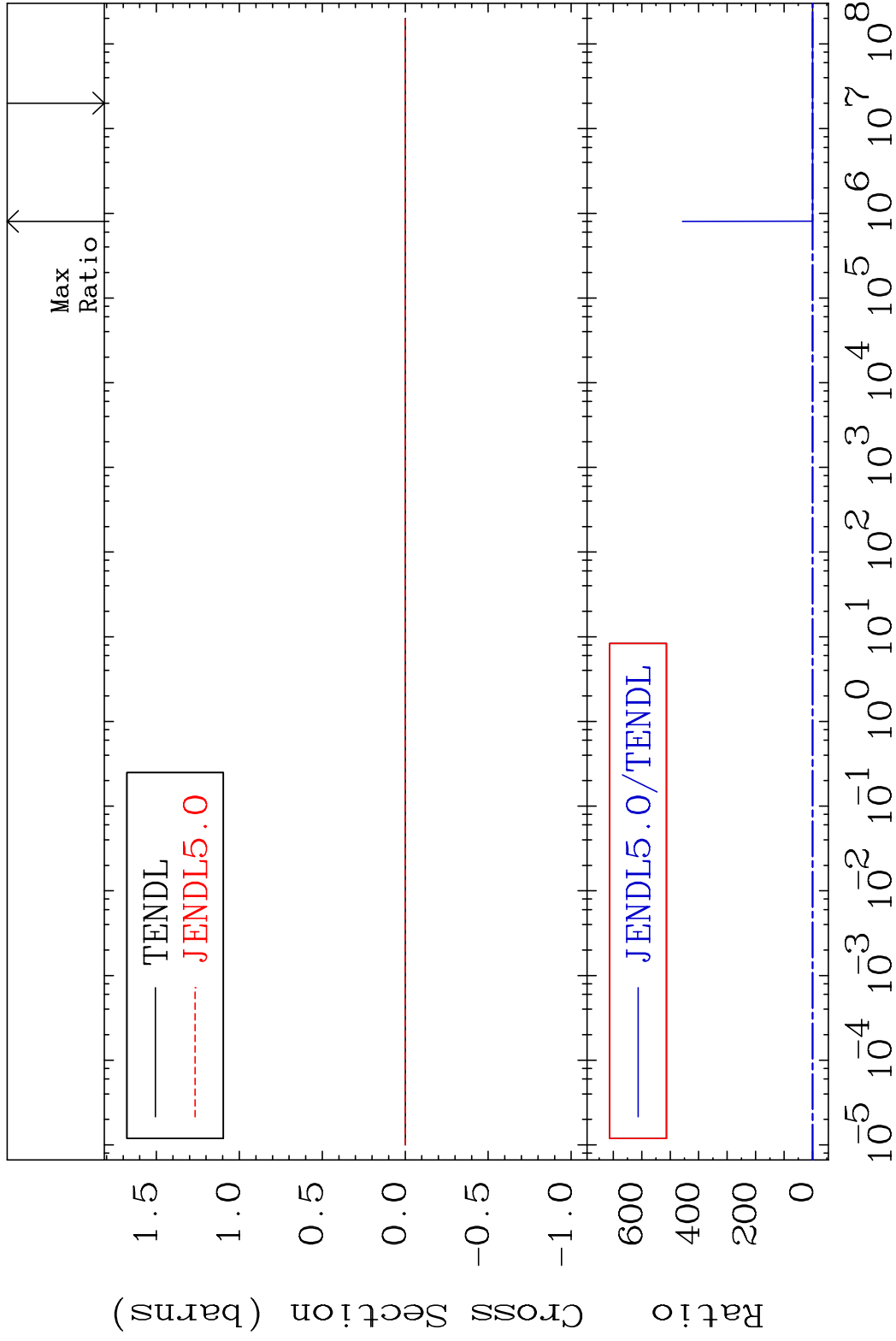


50 Incident Energy (eV) 38-Sr-84

MAT 3825 Kerma inelastic (mt51-91) 38-Sr-84
 Cross Section -100.0 To 9999. %



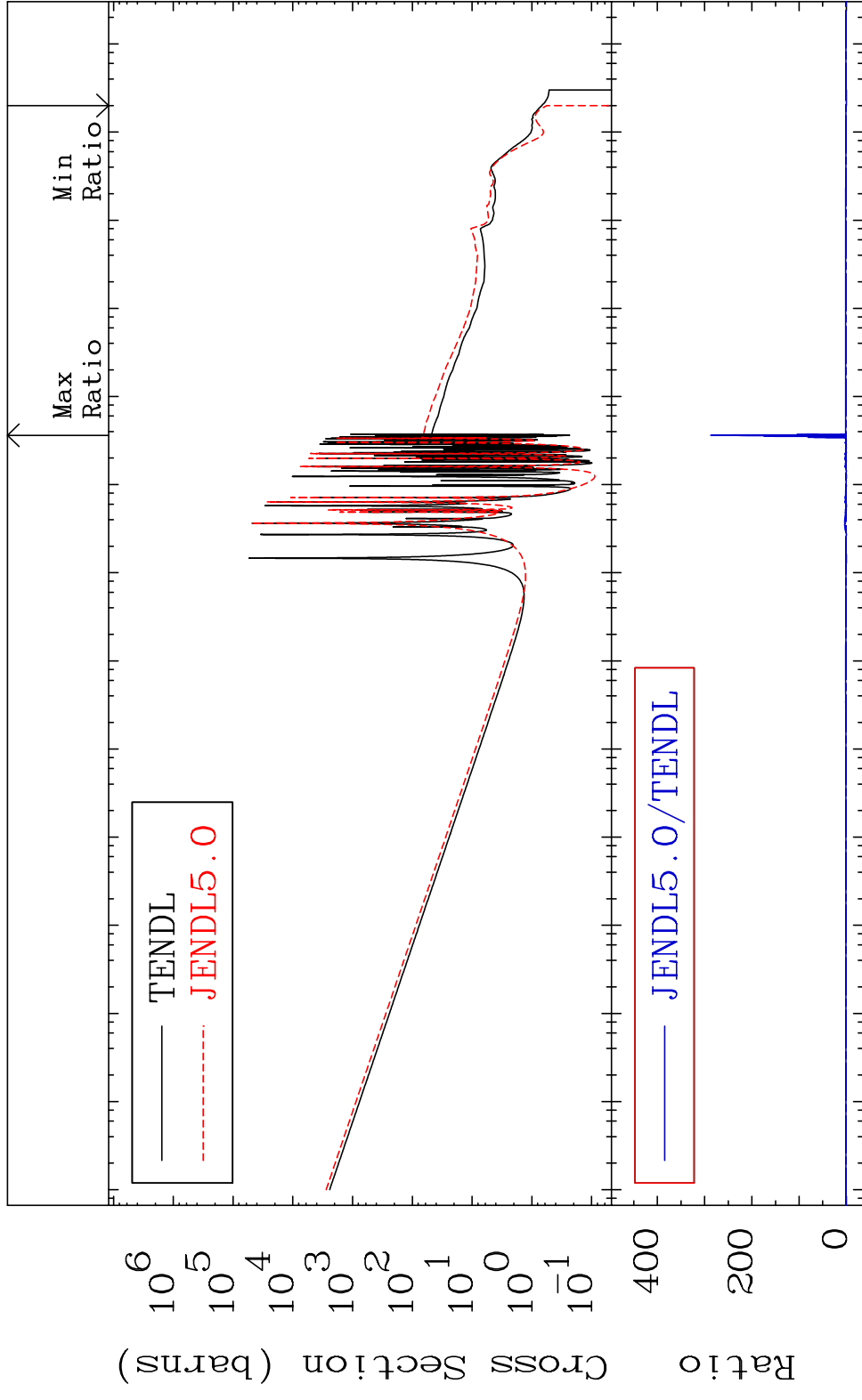
MAT 3825 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-84
 Cross Section -100.0 To 9999. %



MAT 3825

Kerma capture (mt102) 38-Sr-84

Cross Section -100.0 To 9999. %

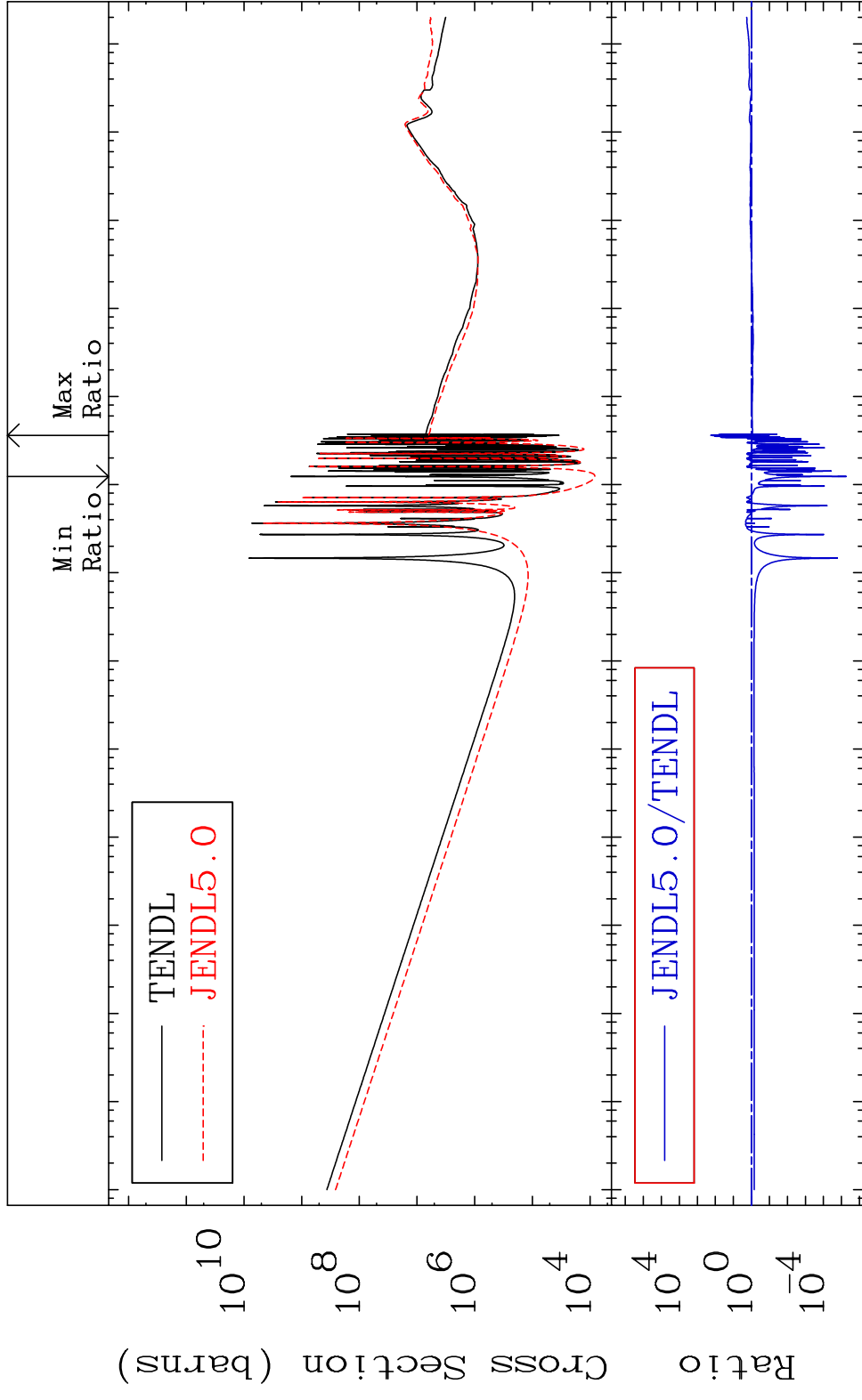


53

Incident Energy (eV)

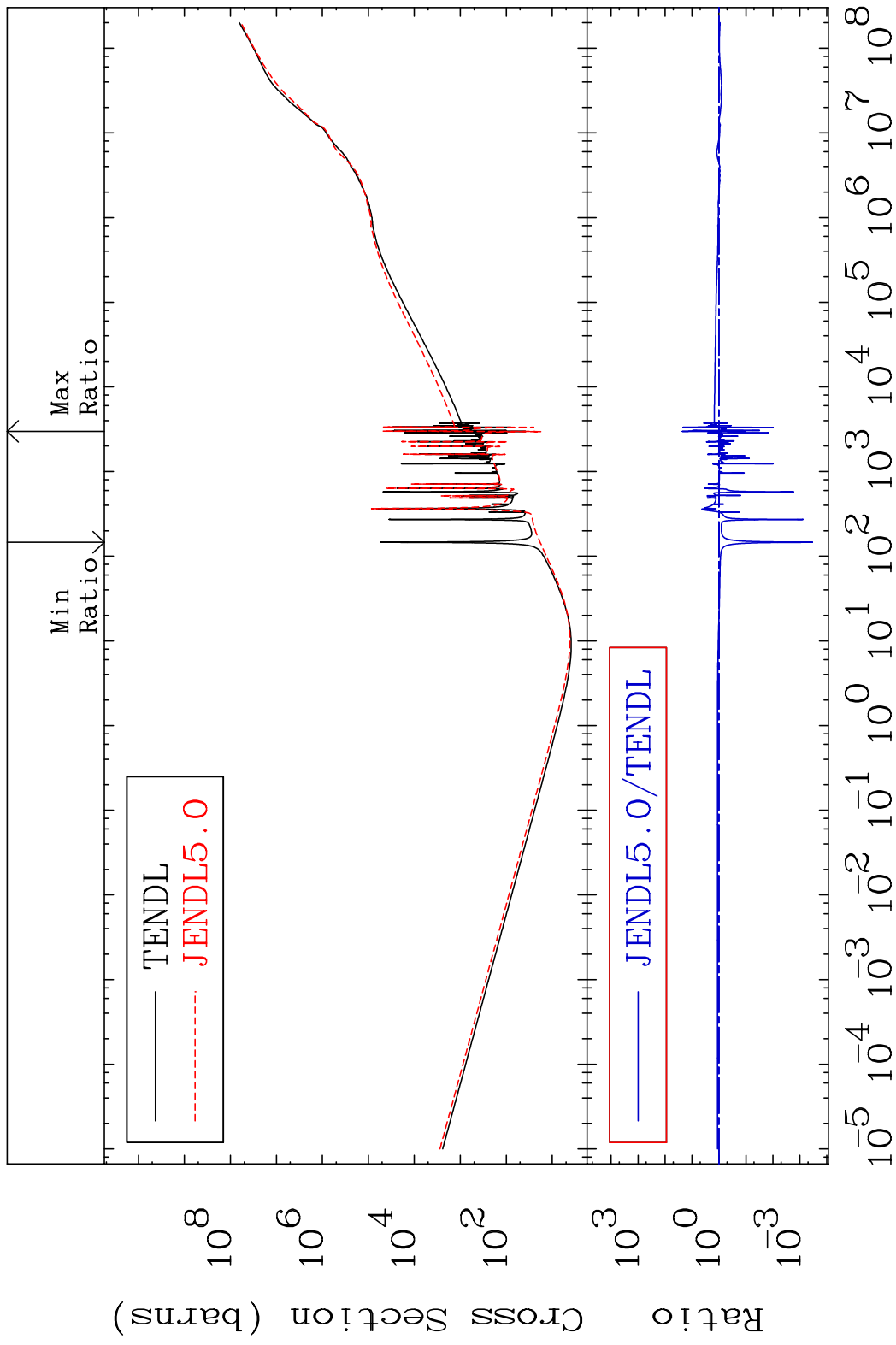
38-Sr-84

MAT 3825 Total photon (eV-barns) 38-Sr-84
 Cross Section -100.0 To 9999. %

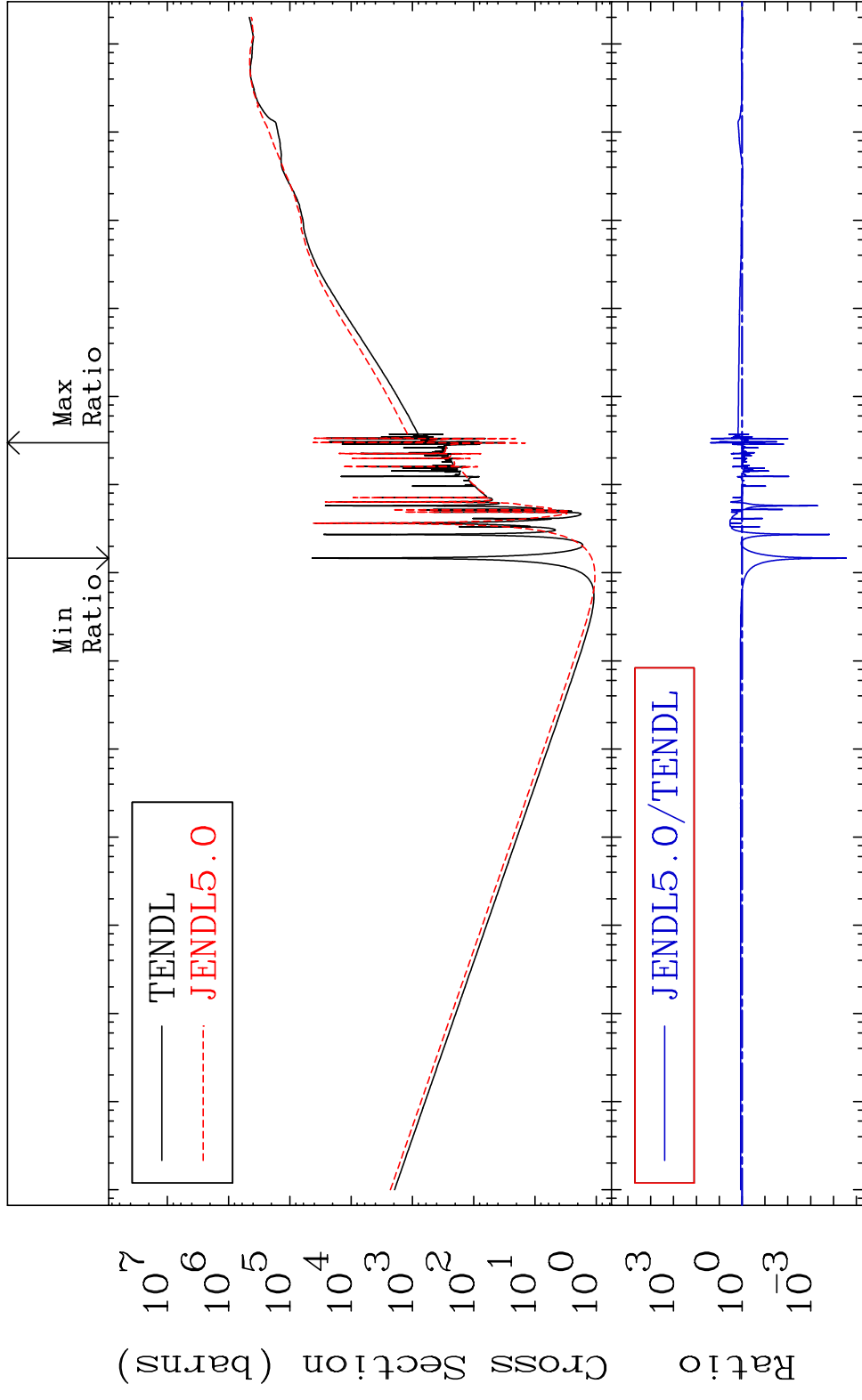


54 Incident Energy (eV) 38-Sr-84

MAT 3825 Total kinematic kerma (high limit) 38-Sr-84
 Cross Section -99.97 To 2182. %



MAT 3825 Dpa total (eV-barns) 38-Sr-84
 Cross Section -100.0 To 2265. %

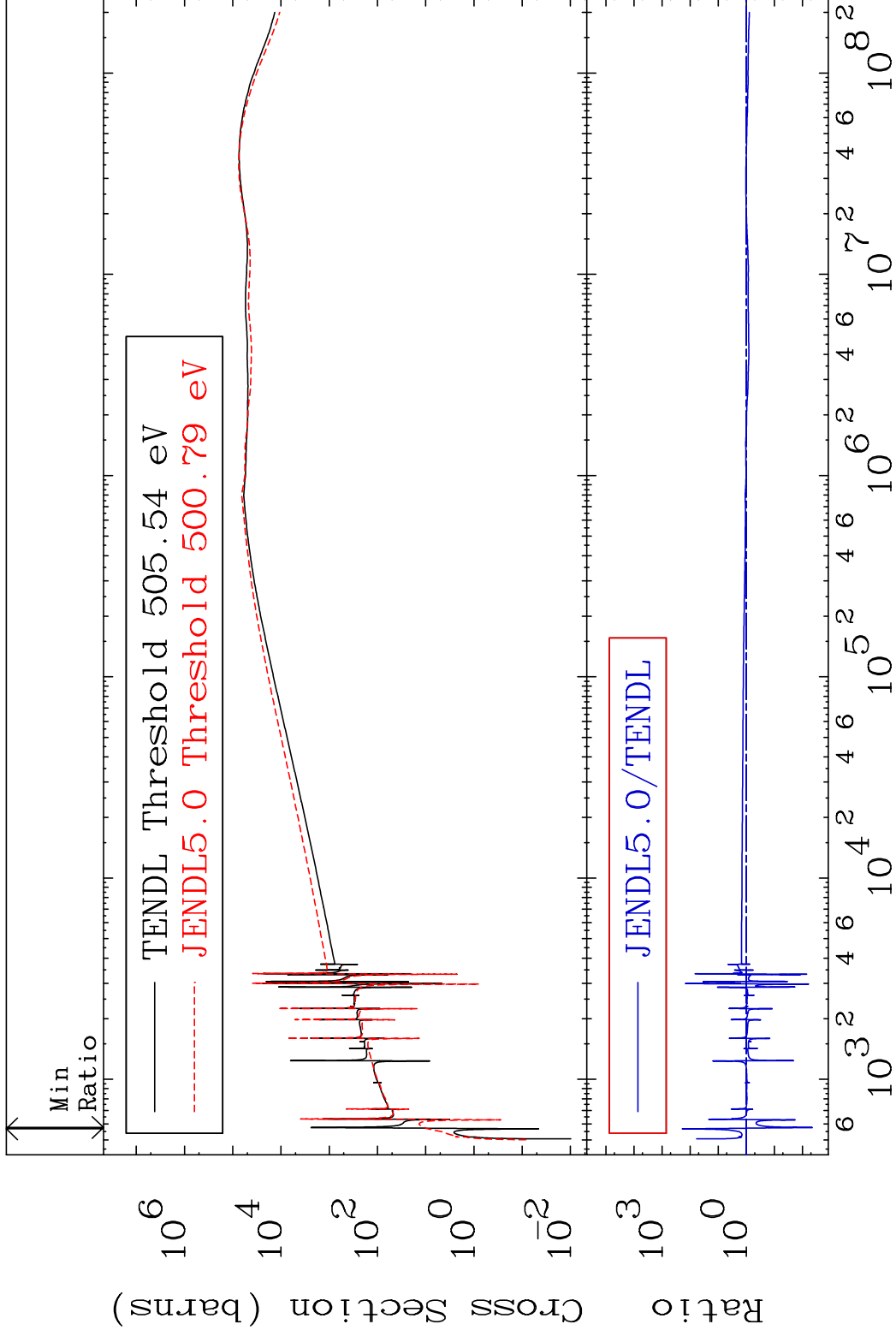


MAT 3825

Dpa elastic (mt2)

38-Sr-84

Cross Section -99.56 To 9999. %

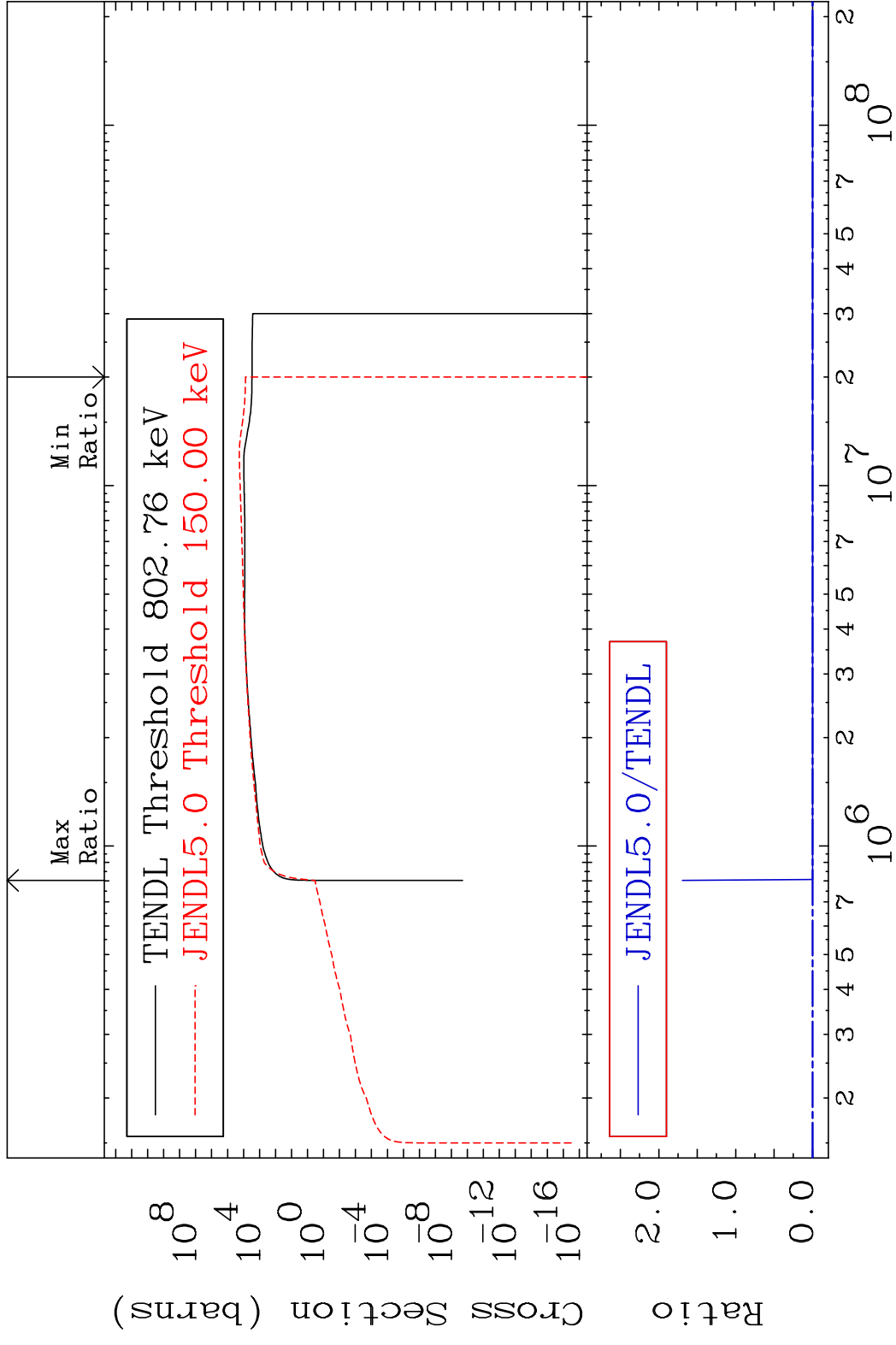


57

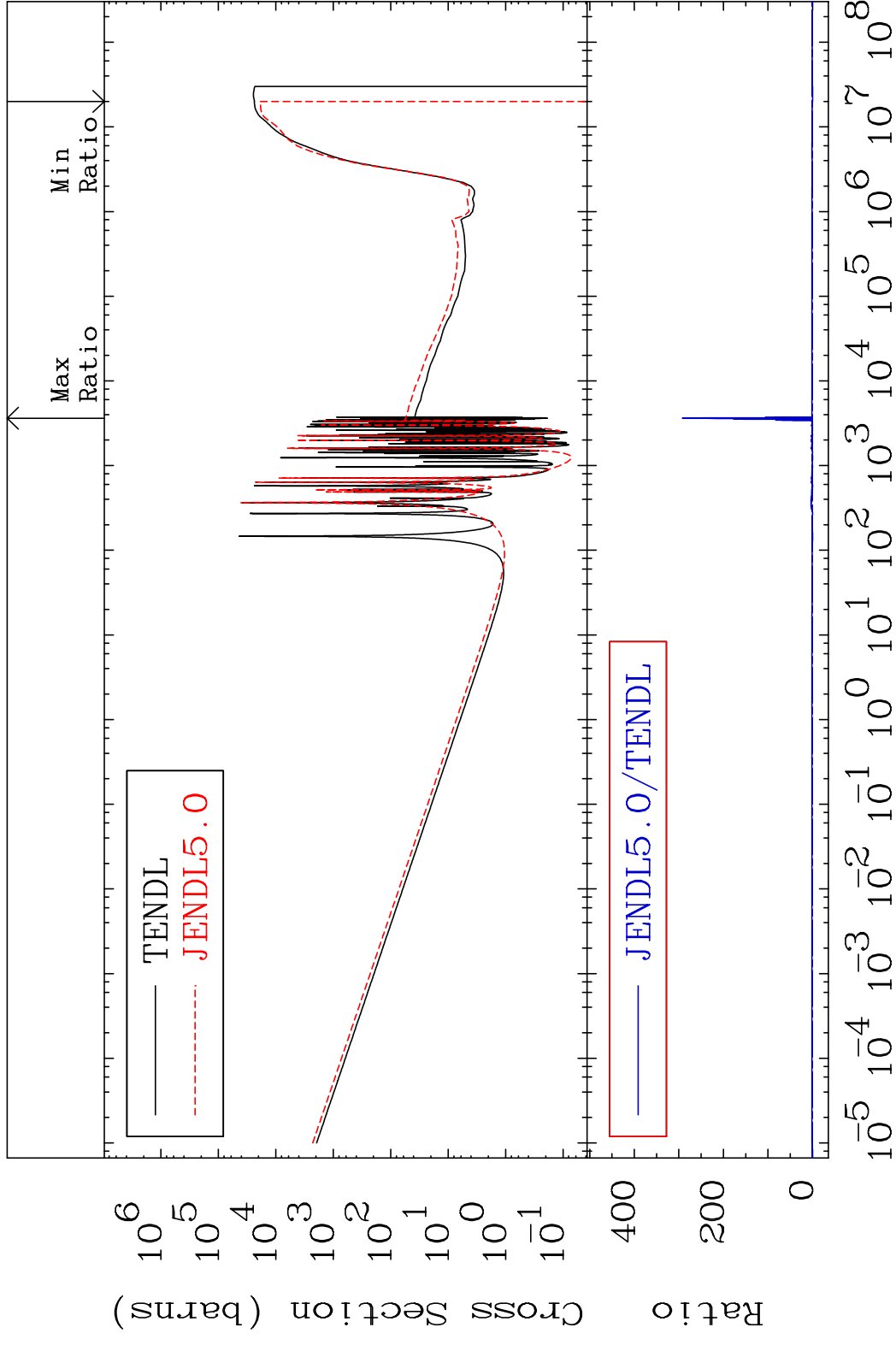
Incident Energy (eV)

38-Sr-84

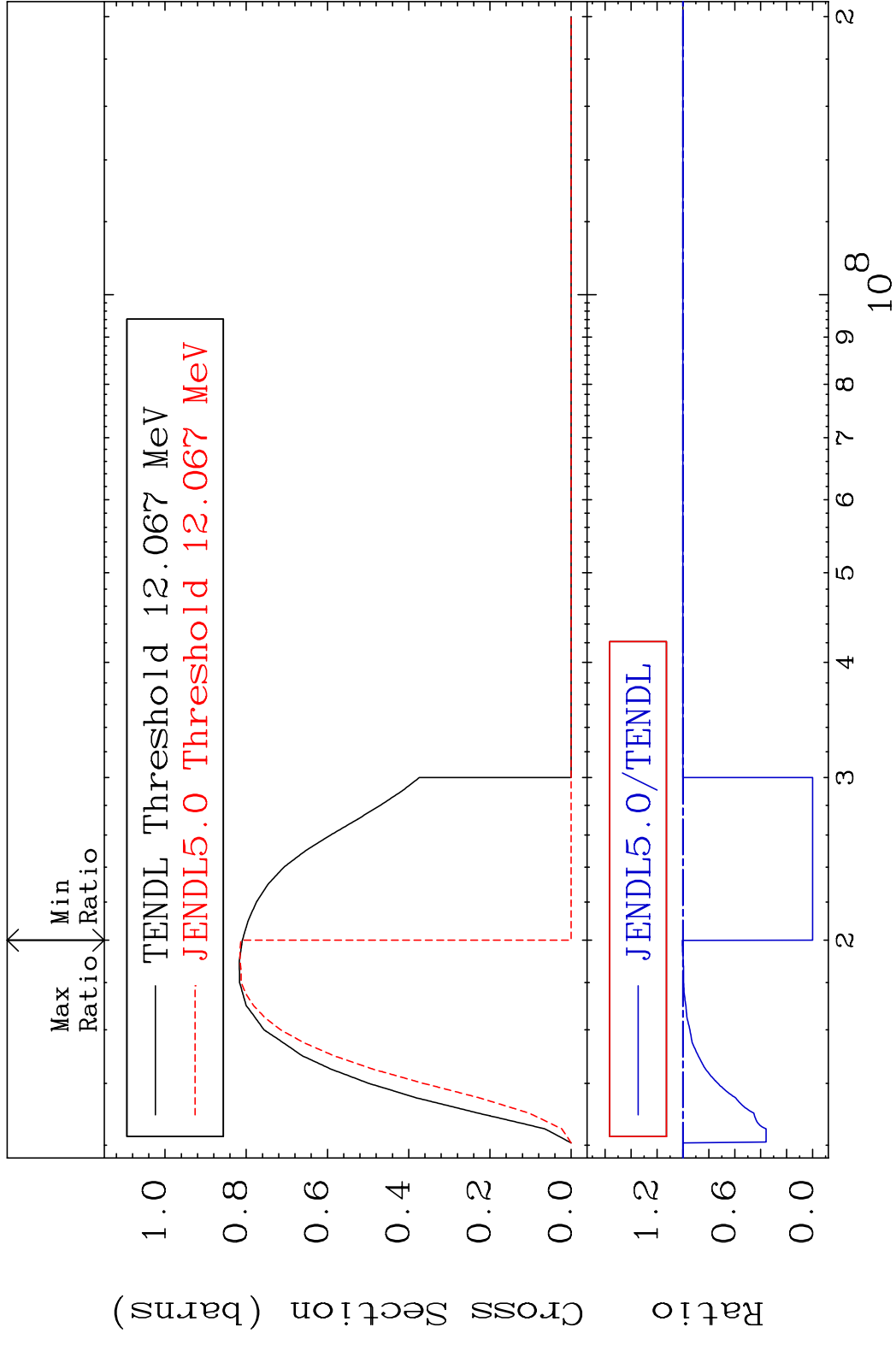
MAT 3825 Dpa inelastic (mt51-91) 38-Sr-84
 Cross Section -100.0 To 9999. %



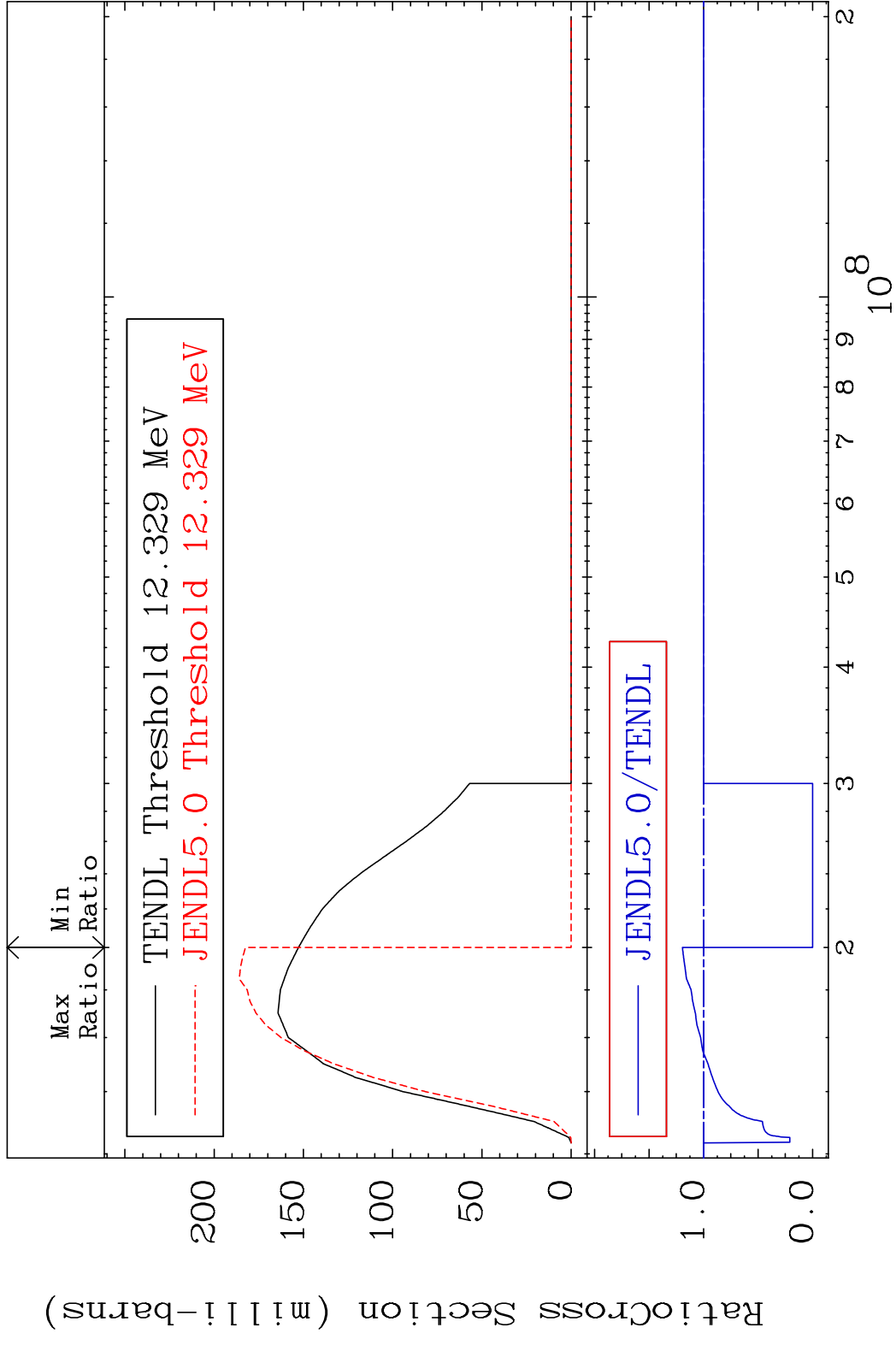
MAT 3825 Dpa disappearance (mt102 -120) 38-Sr-84
 Cross Section -100.0 To 9999. %



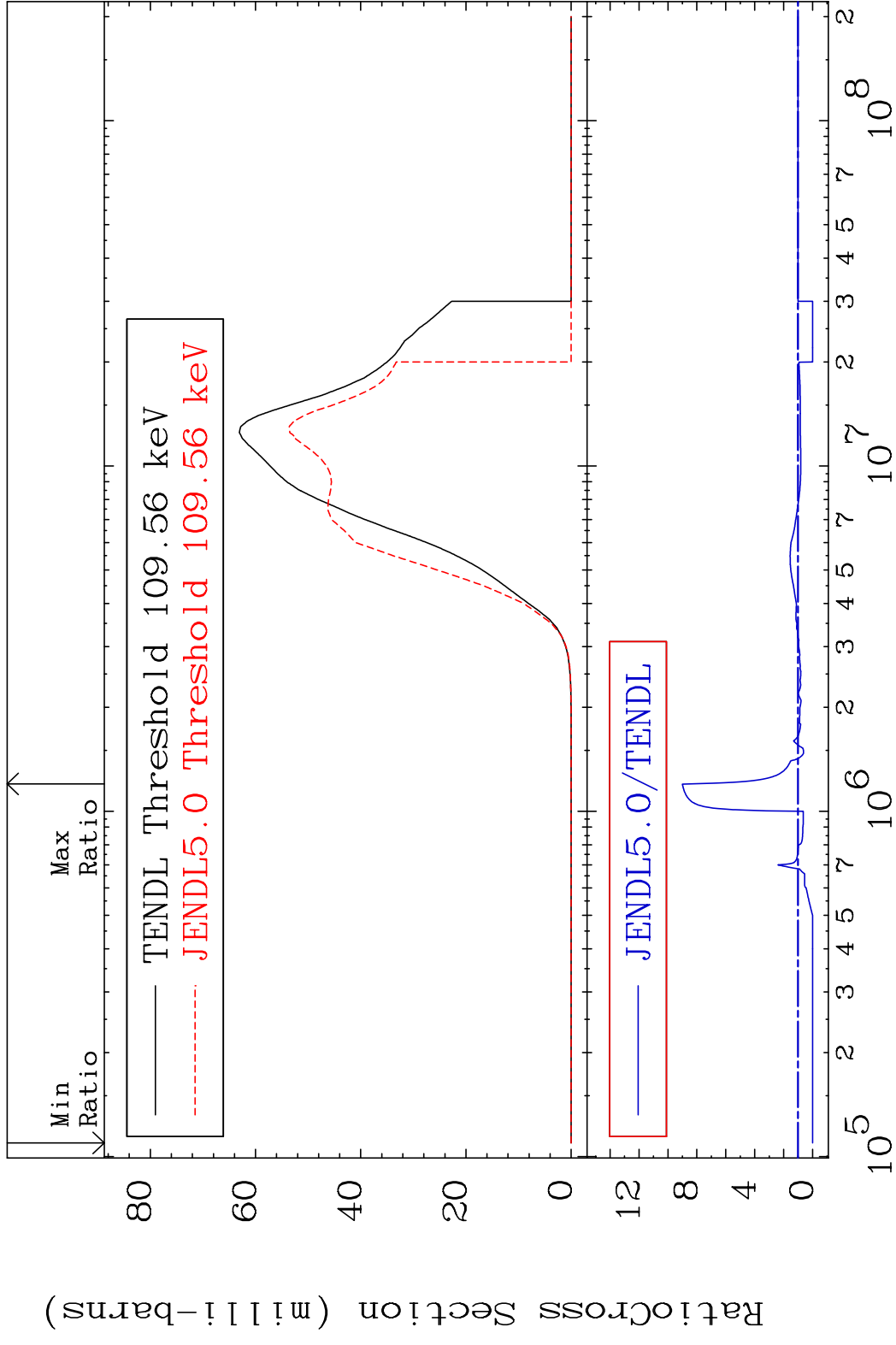
MAT 3825 (n,2n):38-Sr-83g 38-Sr-84
 Radionuclide Production Cross Section Ratio 0.458 %



MAT 3825 (n,2n):38-Sr-83m2 38-Sr-84
 Radionuclide Production Cross Section 180.01 dth 19.44 %

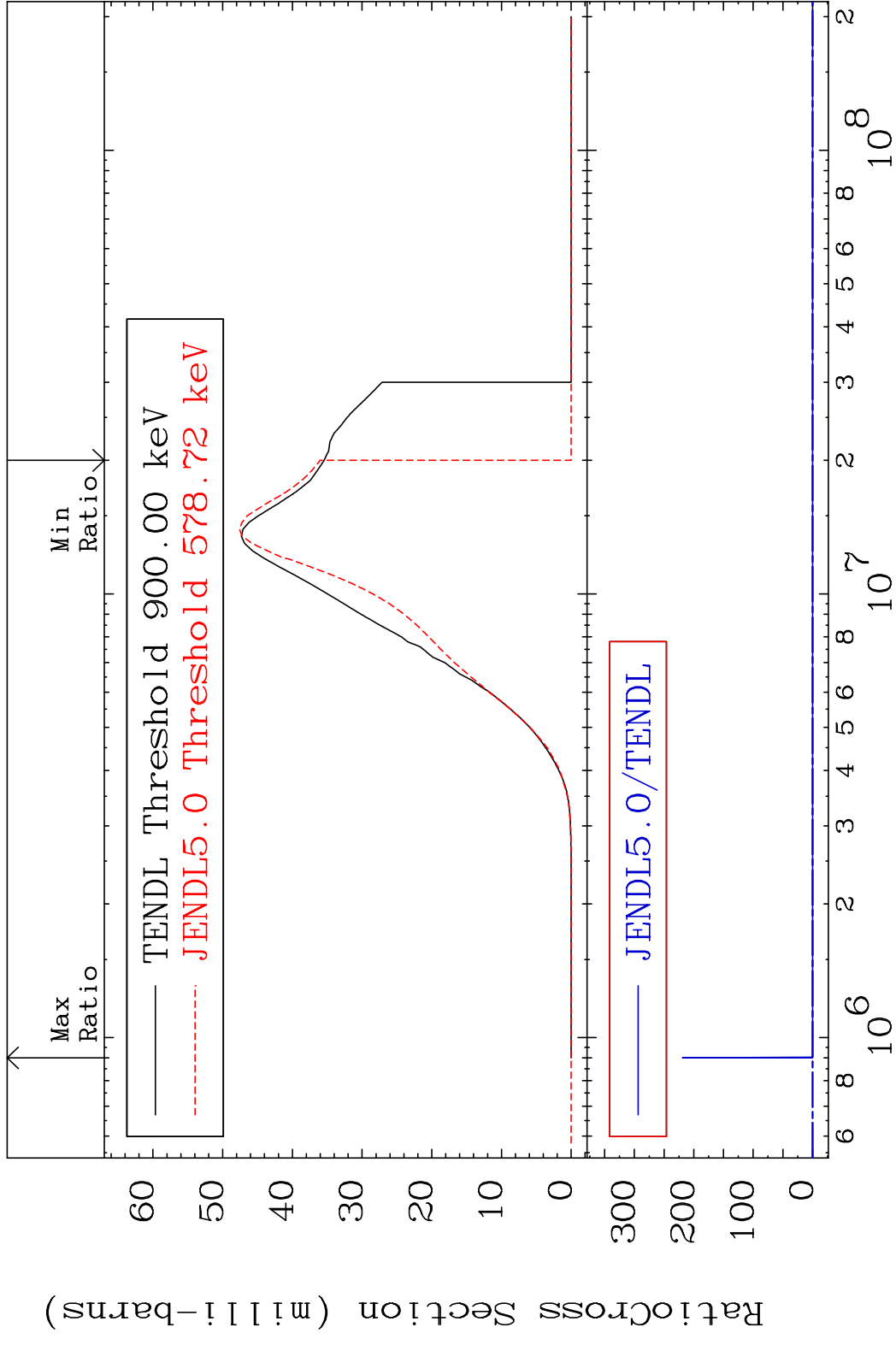


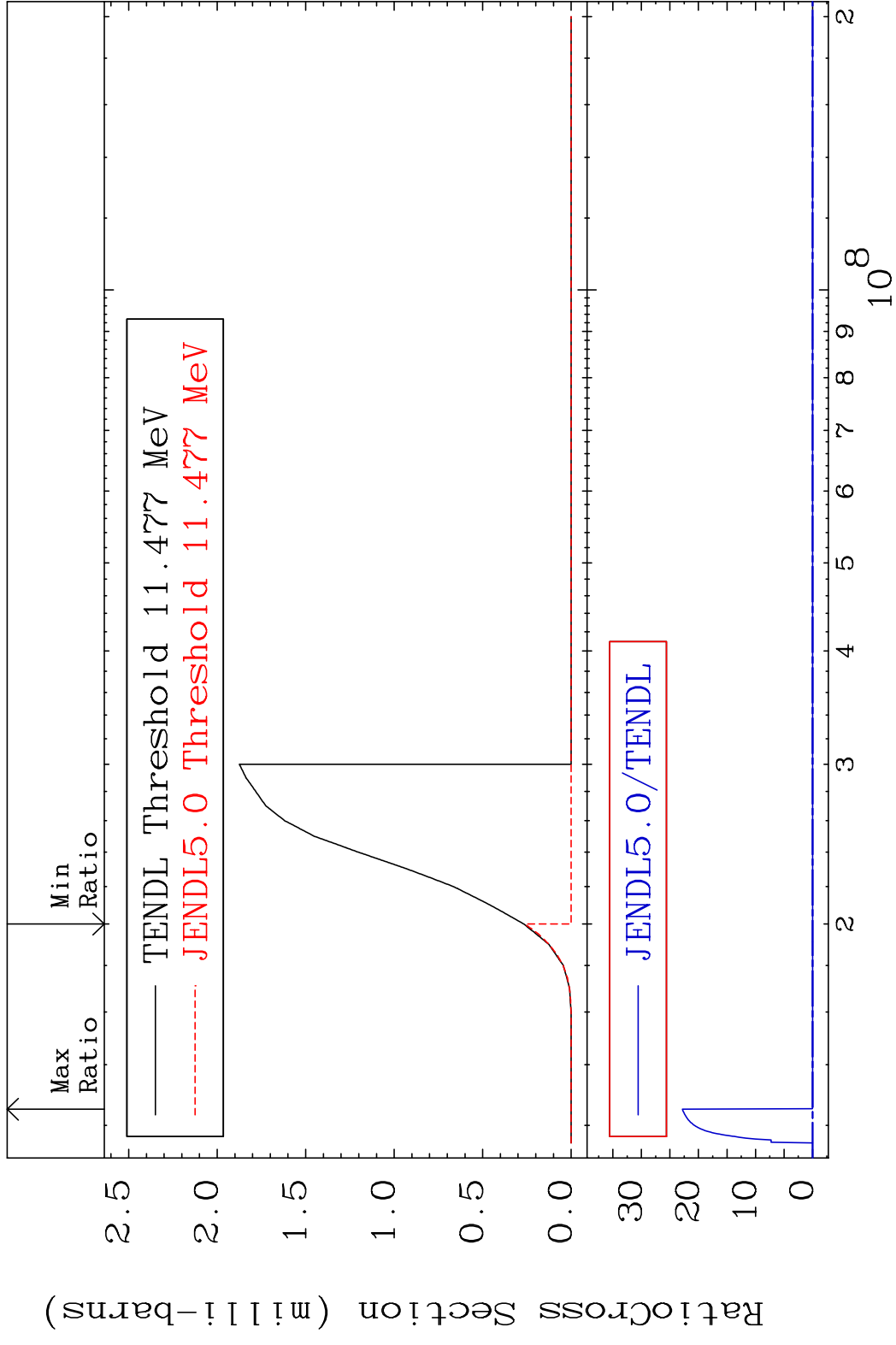
MAT 3825 (n, p): 37-Rb-84g 38-Sr-84
 Radionuclide Production Cross Section 800.3 %

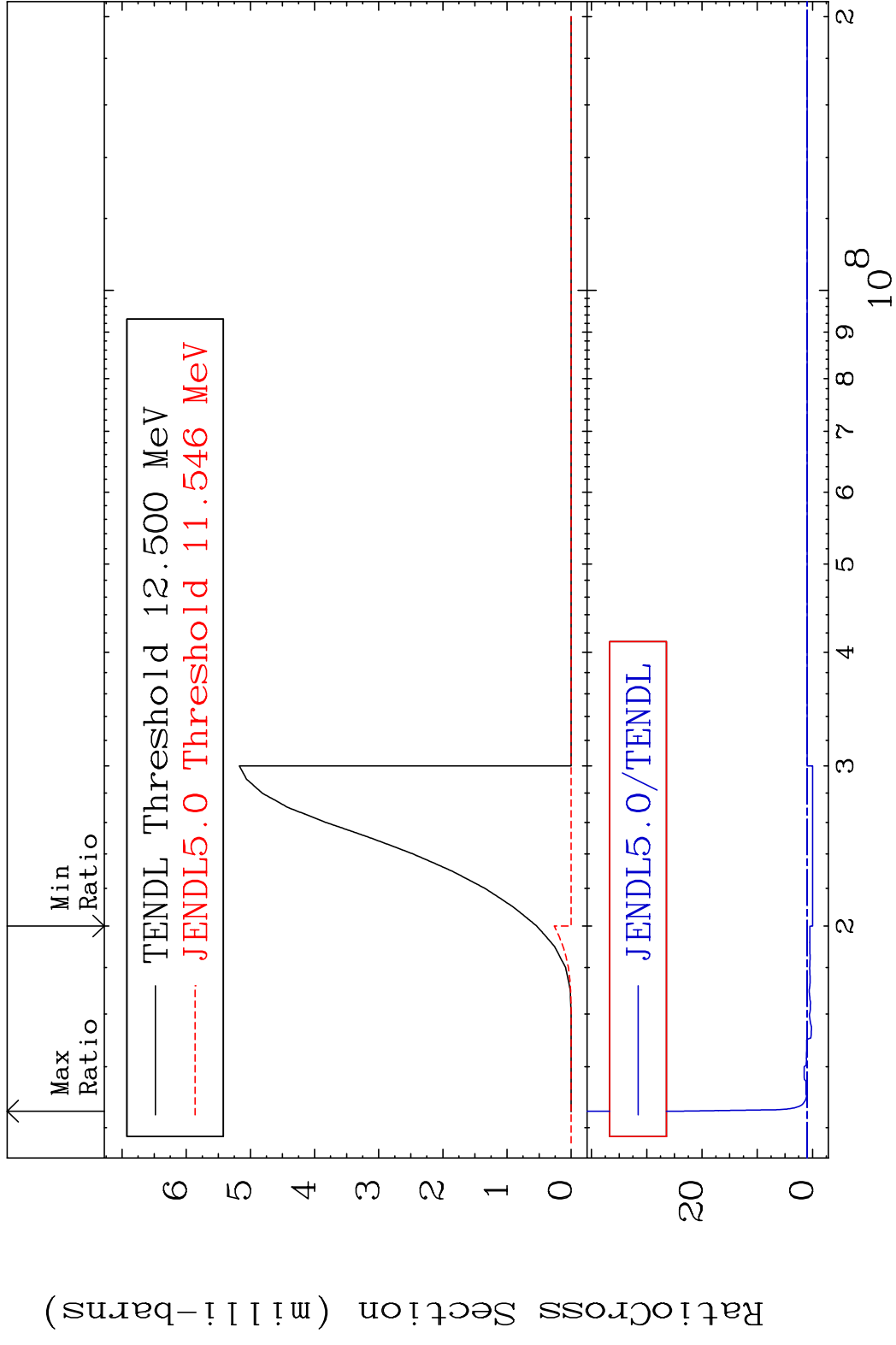


62 Incident Energy (eV) 38-Sr-84

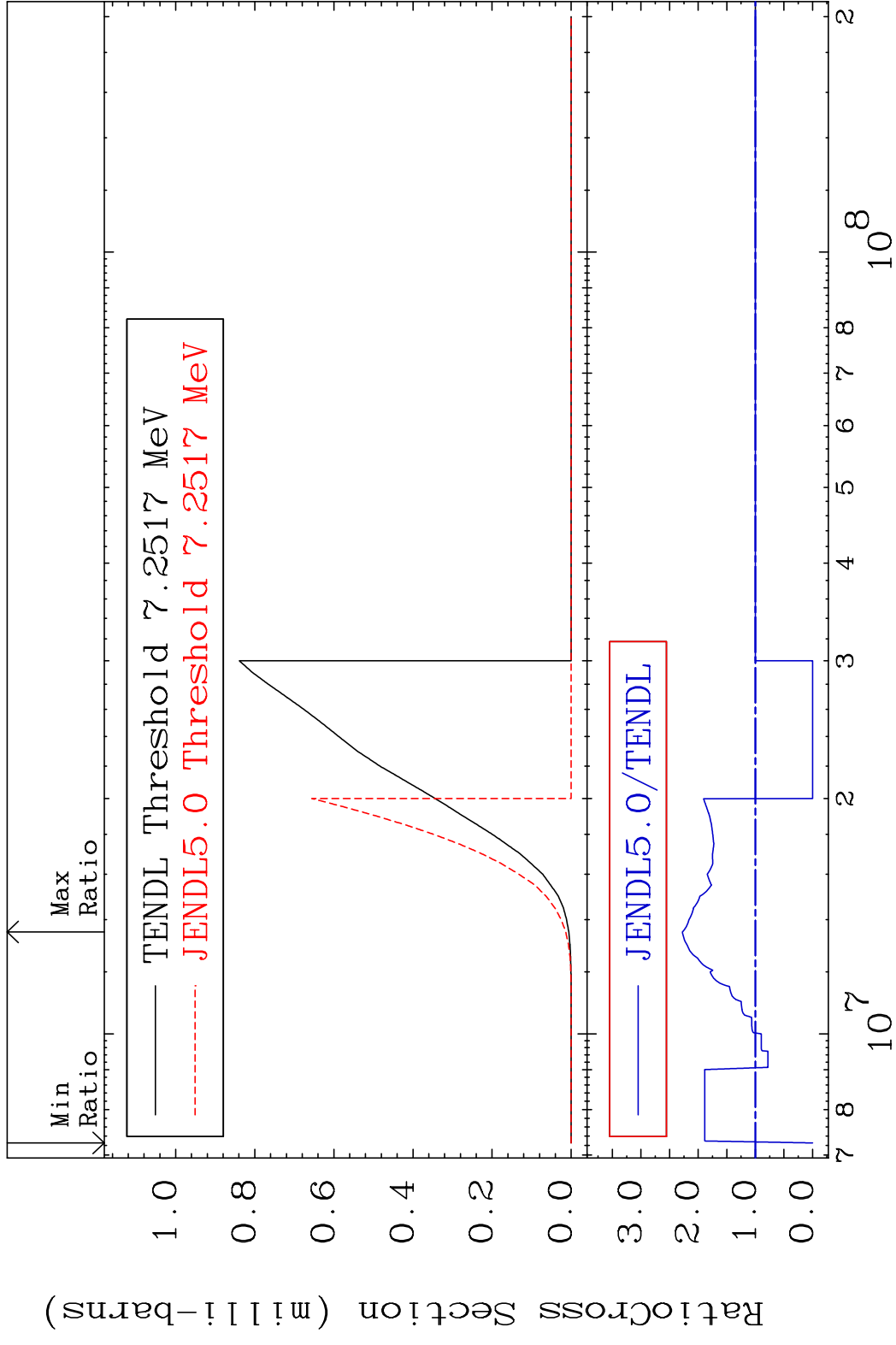
MAT 3825 (n,p):37-Rb-84m2 38-Sr-84
 Radionuclide Production Cross Section 100.00 dth 9999. %



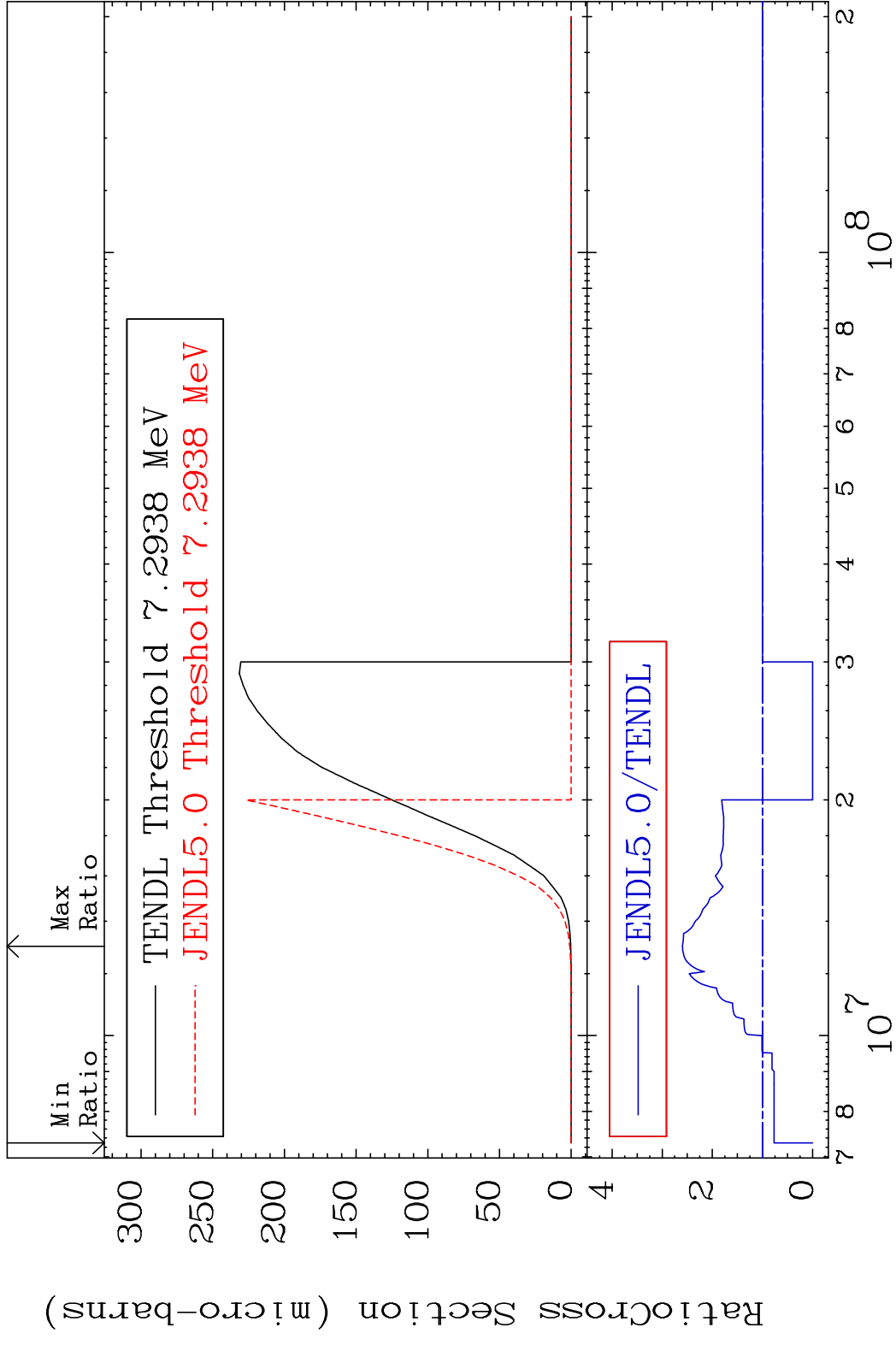


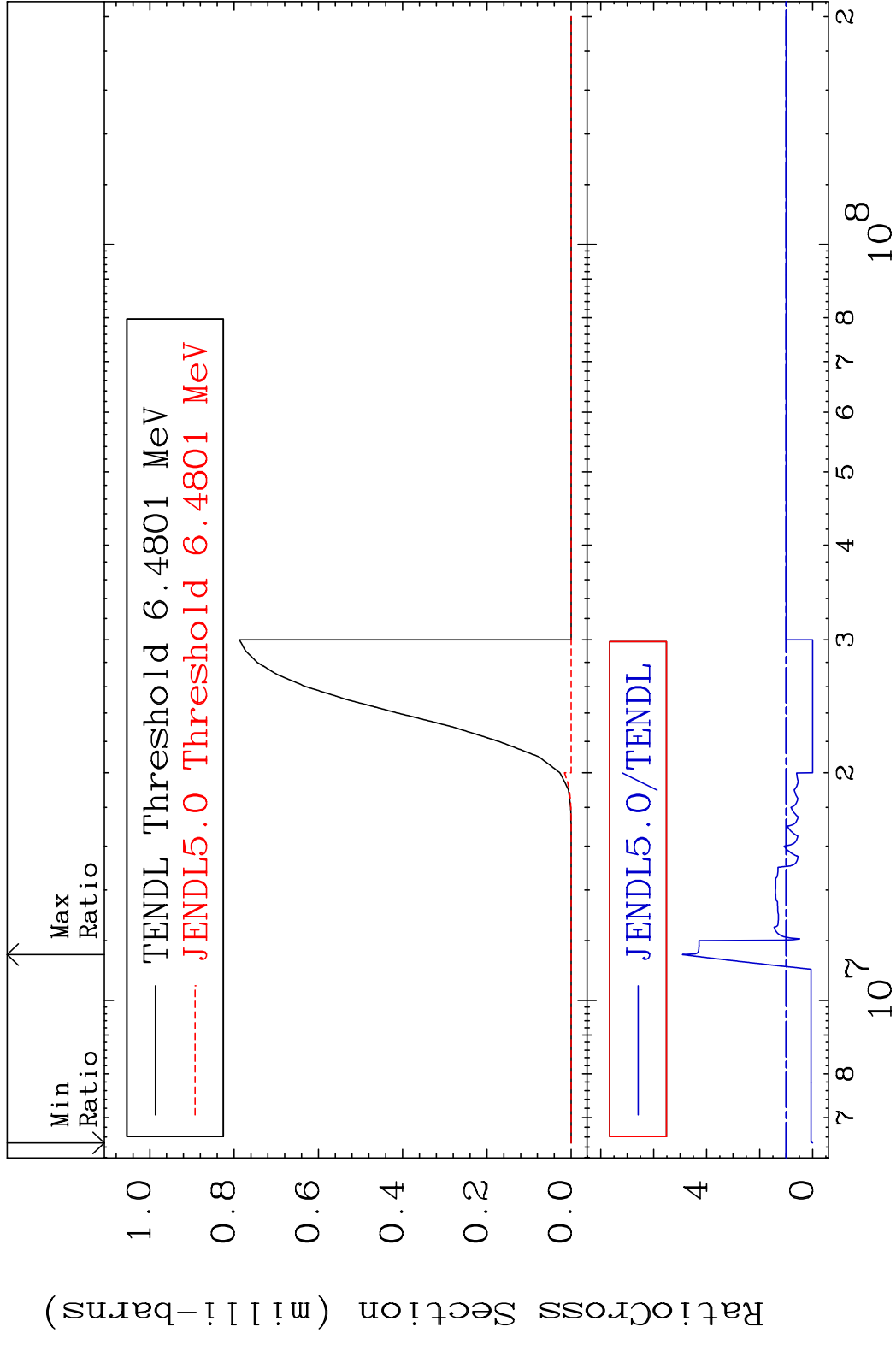


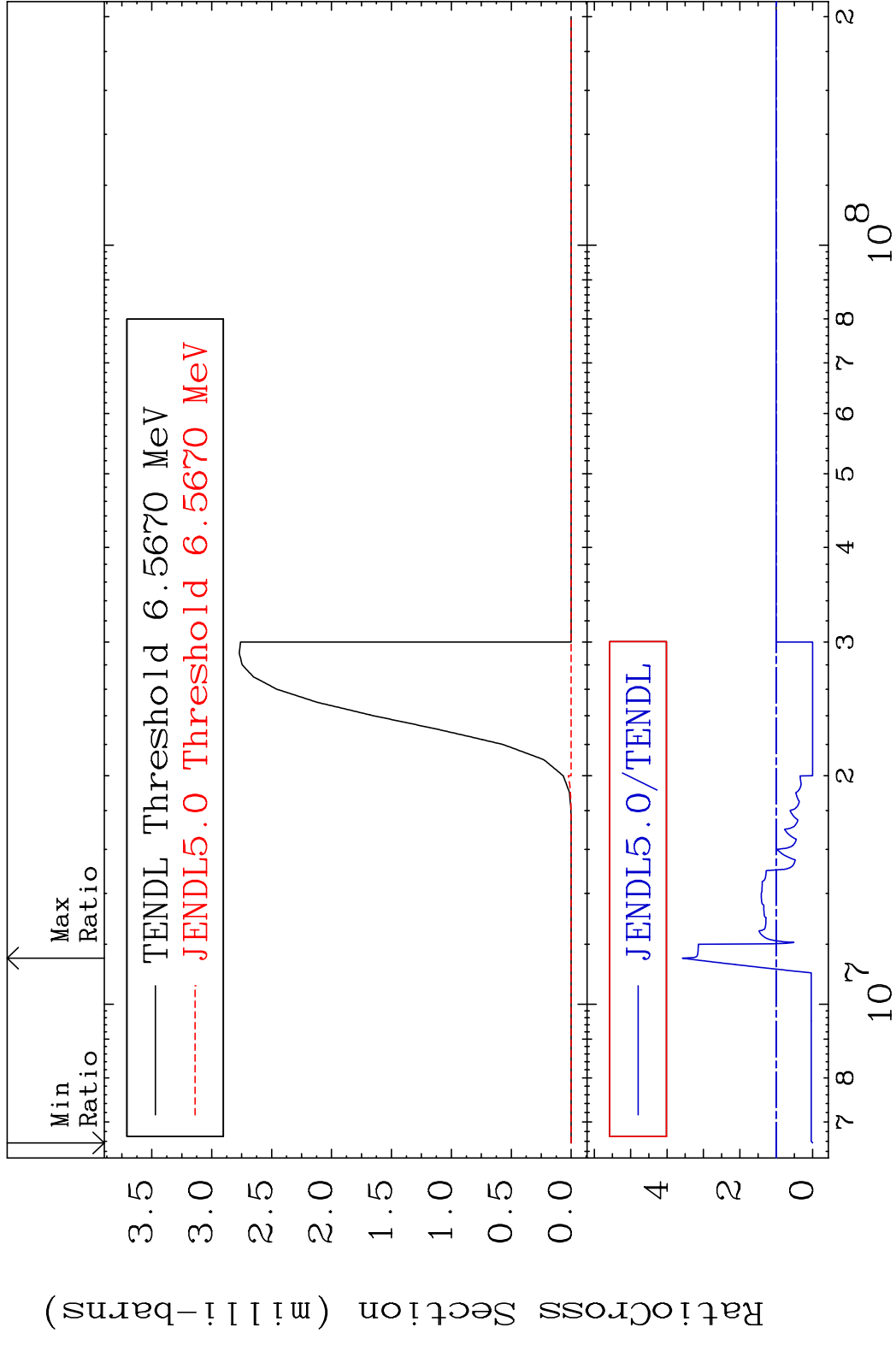
MAT 3825 (n,2p):36-Kr-83g 38-Sr-84
 Radionuclide Production Cross Section 180.0 dth 127.7 %



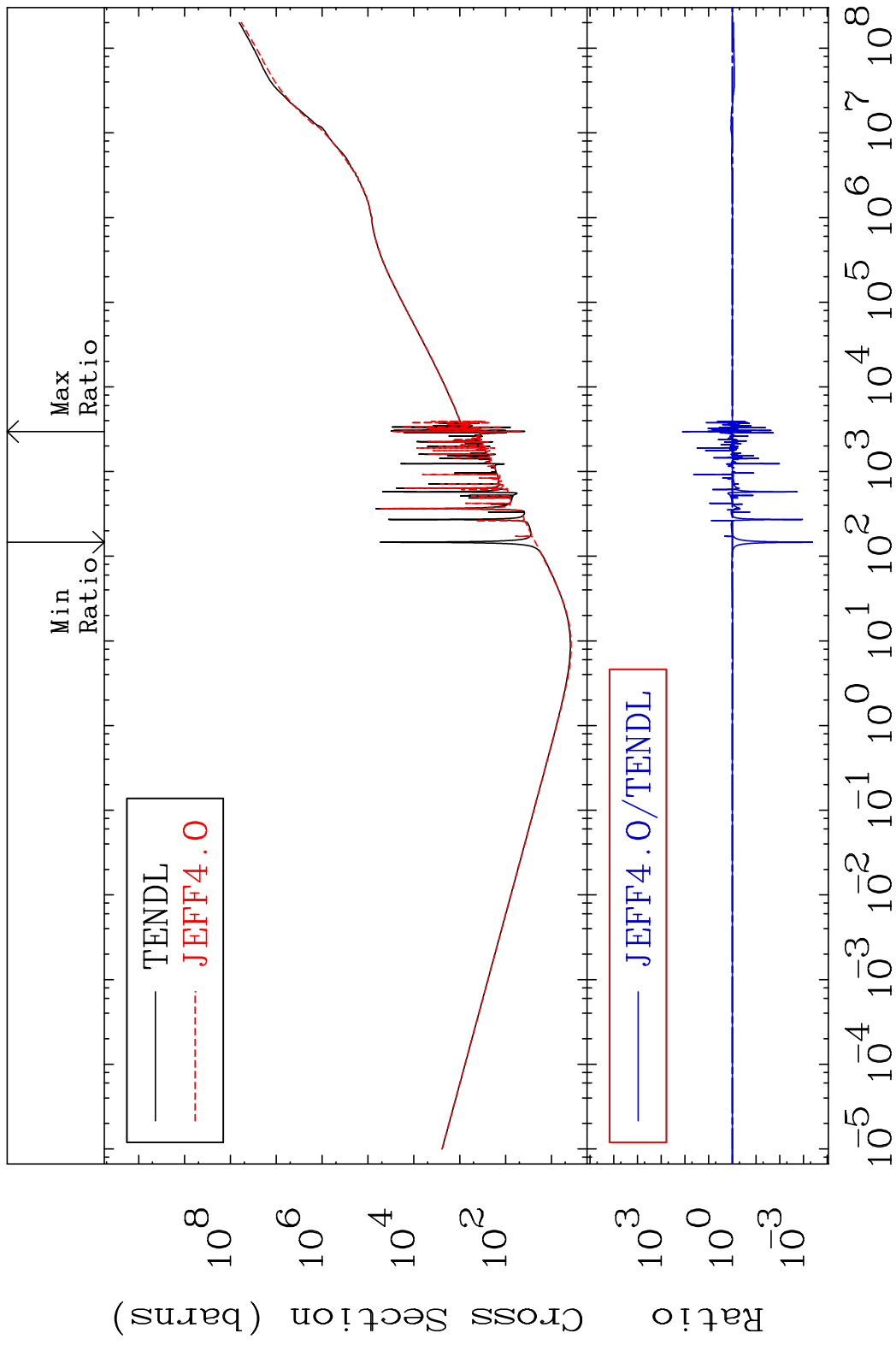
MAT 3825 (n,2p):36-Kr-83m2 38-Sr-84
 Radionuclide Production Cross Section 159.8 %



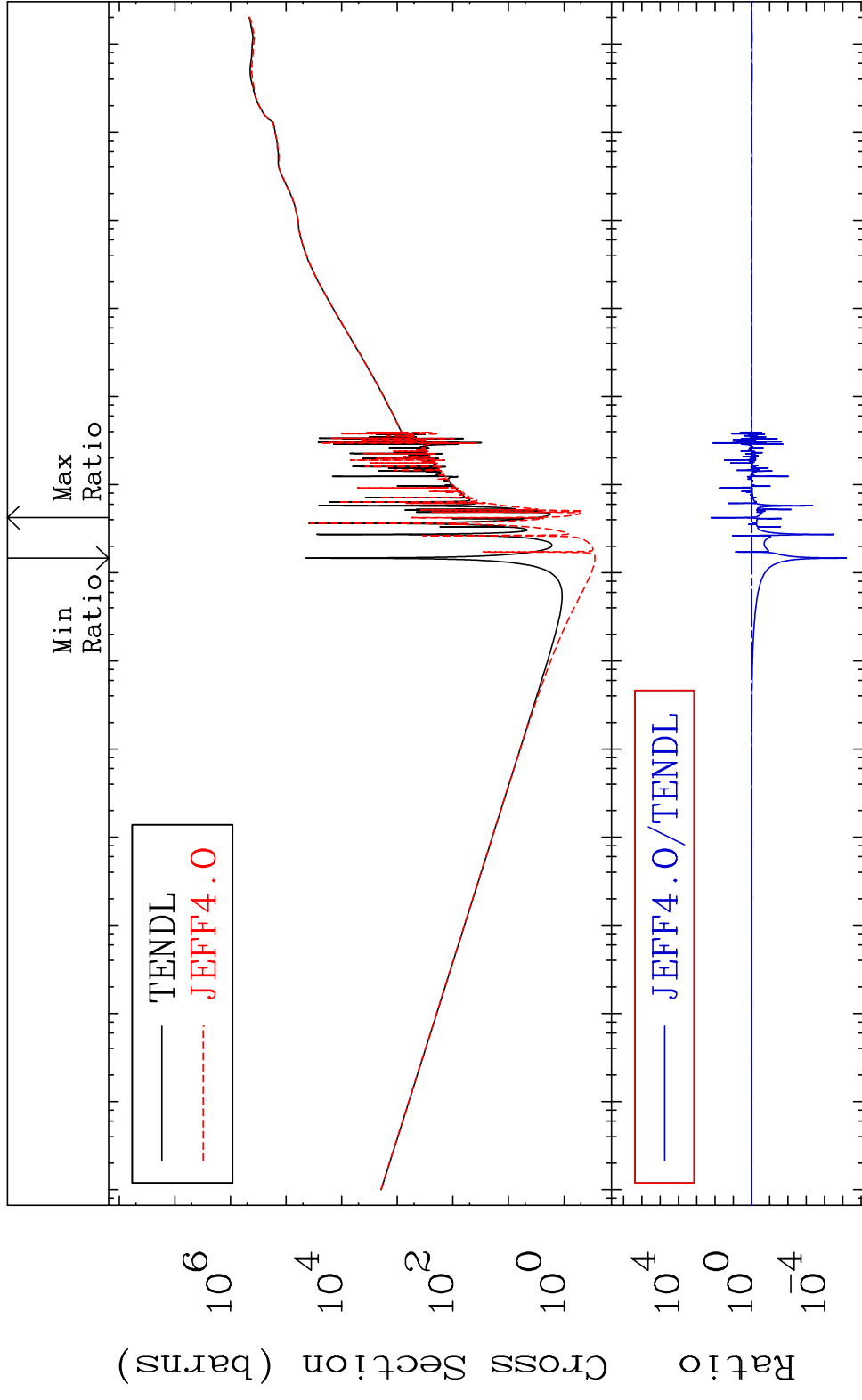




MAT 3825 Total kinematic kerma (high limit) 38-Sr-84
Cross Section -99.96 To 9999. %



MAT 3825 Dpa total (eV-barns) 38-Sr-84
 Cross Section -100.0 To 9999. %



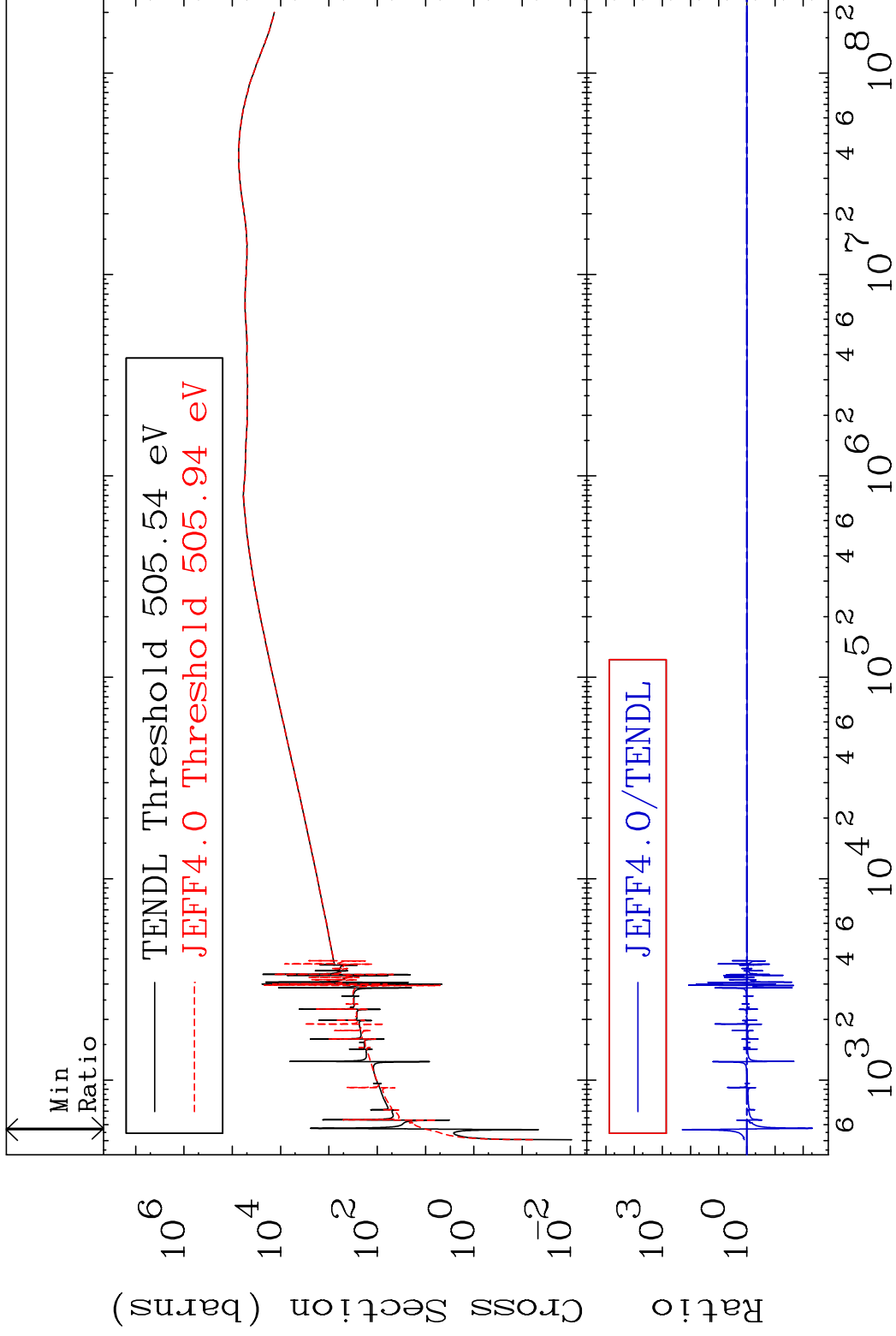
71 Incident Energy (eV) 38-Sr-84

MAT 3825

Dpa elastic (mt2)

38-Sr-84

Cross Section -99.53 To 9999. %



72

Incident Energy (eV)

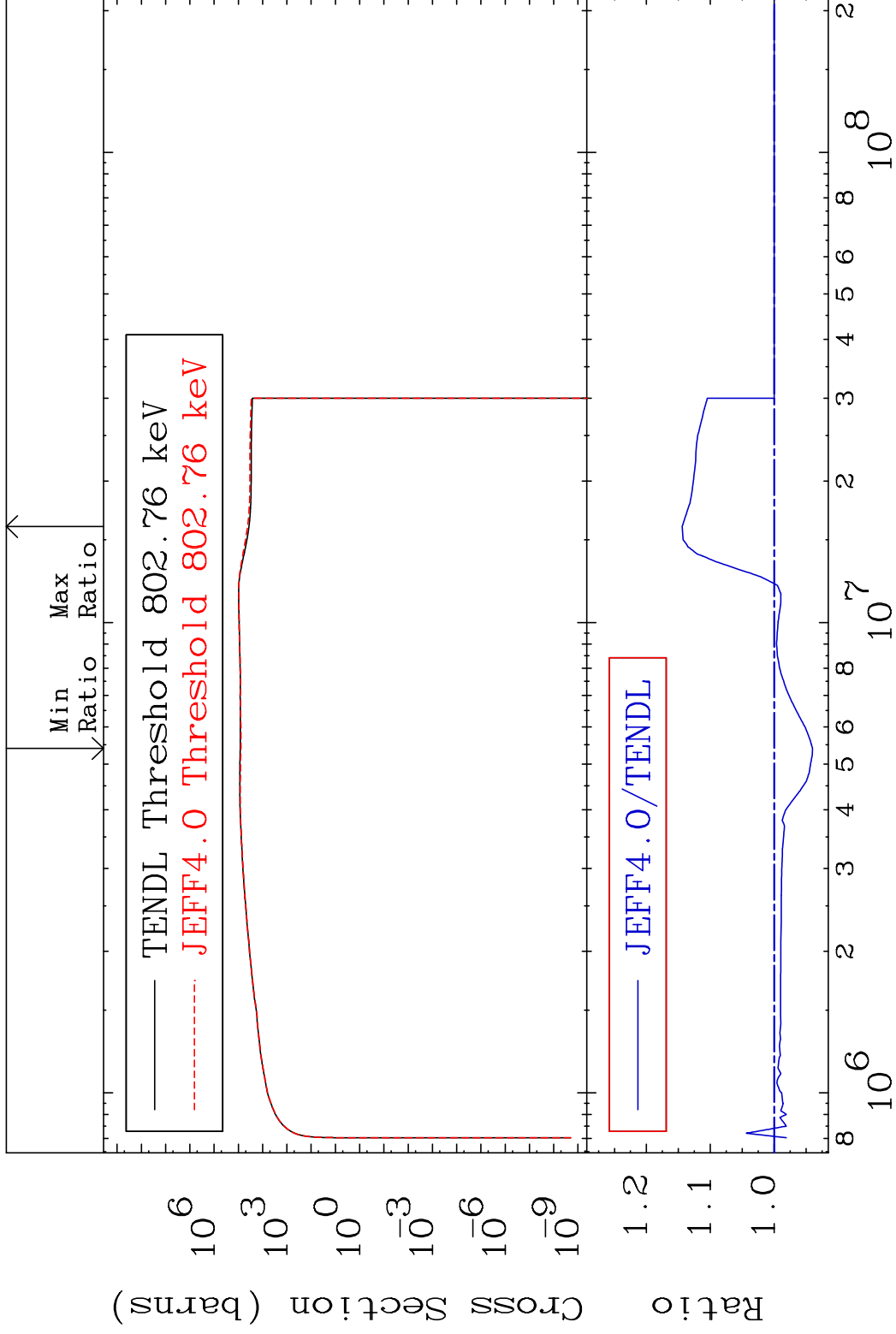
38-Sr-84

MAT 3825

Dpa inelastic (mt51-91)

38-Sr-84

Cross Section -5.992 To 14.41 %

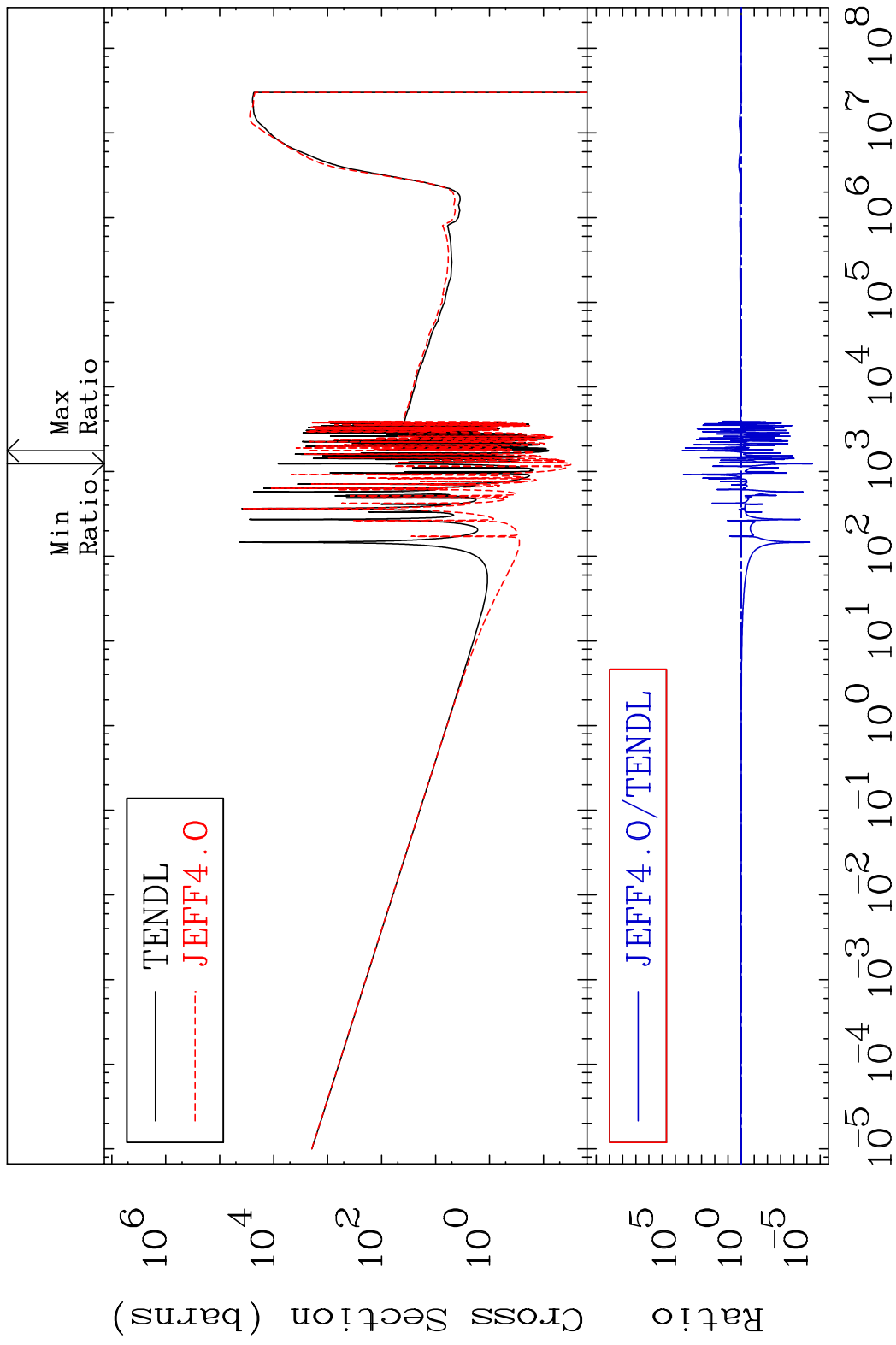


73

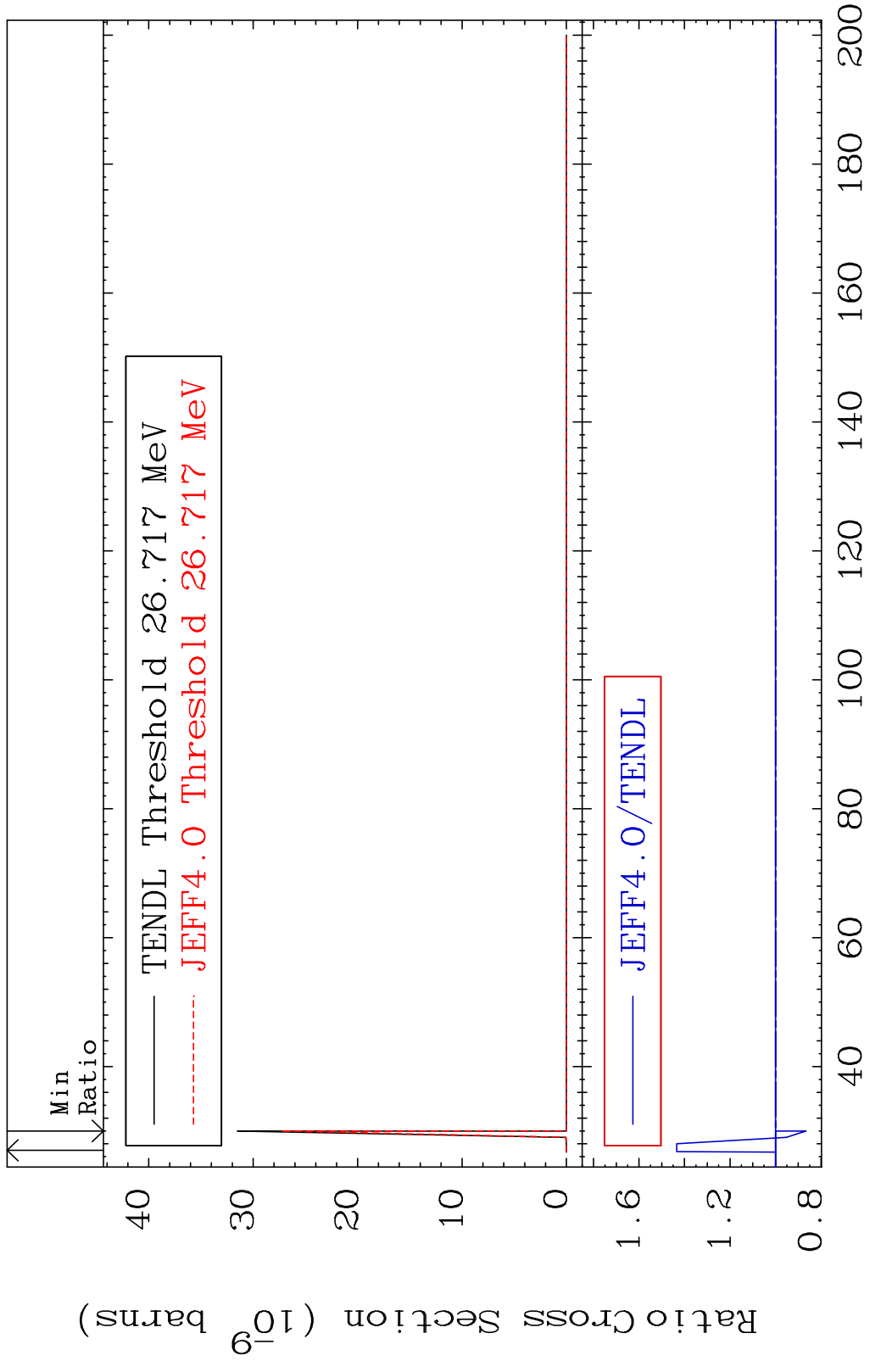
Incident Energy (eV)

38-Sr-84

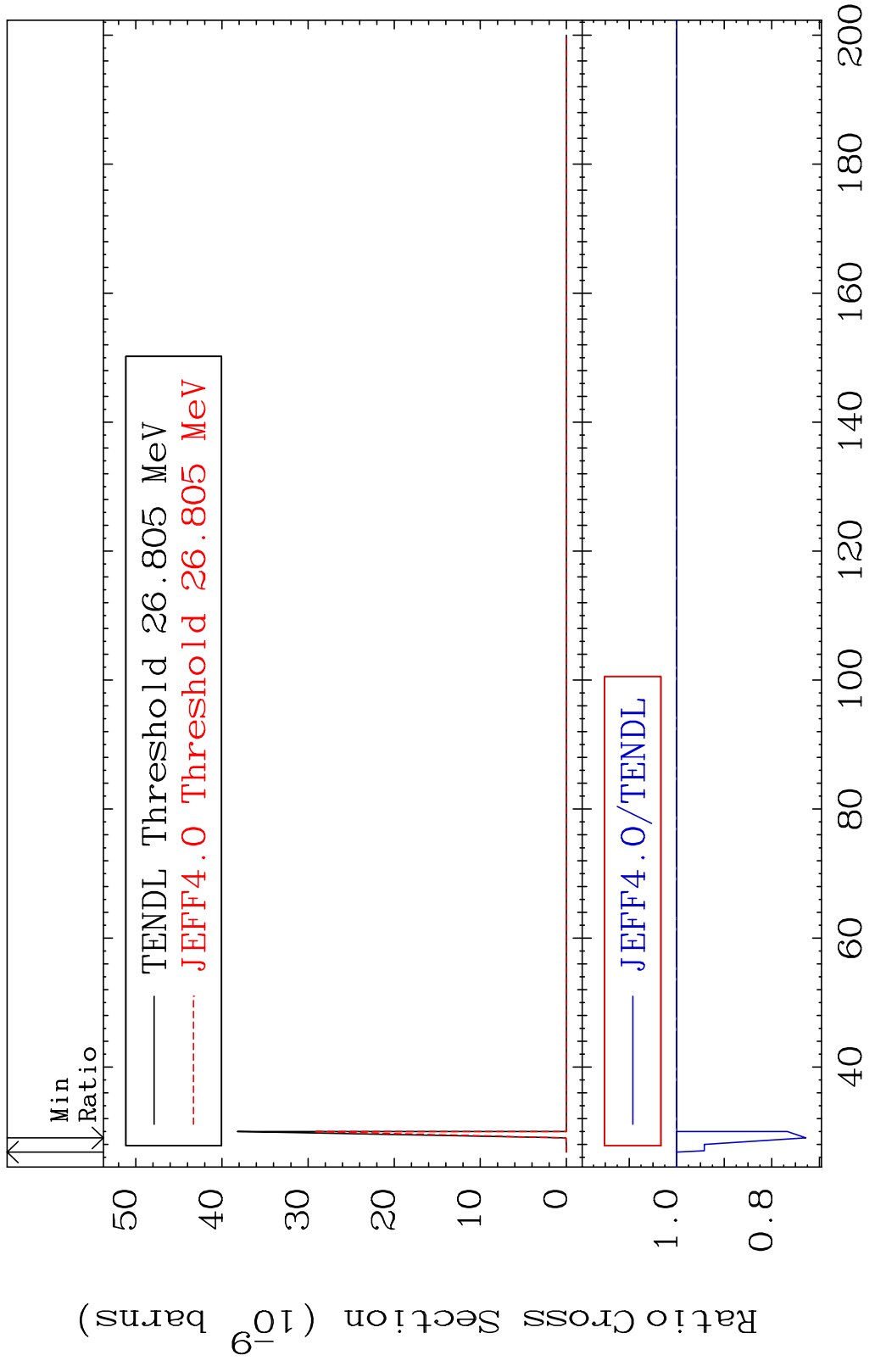
MAT 3825 Dpa disappearance (mt102 -120) 38-Sr-84
 Cross Section -100.0 To 9999. %



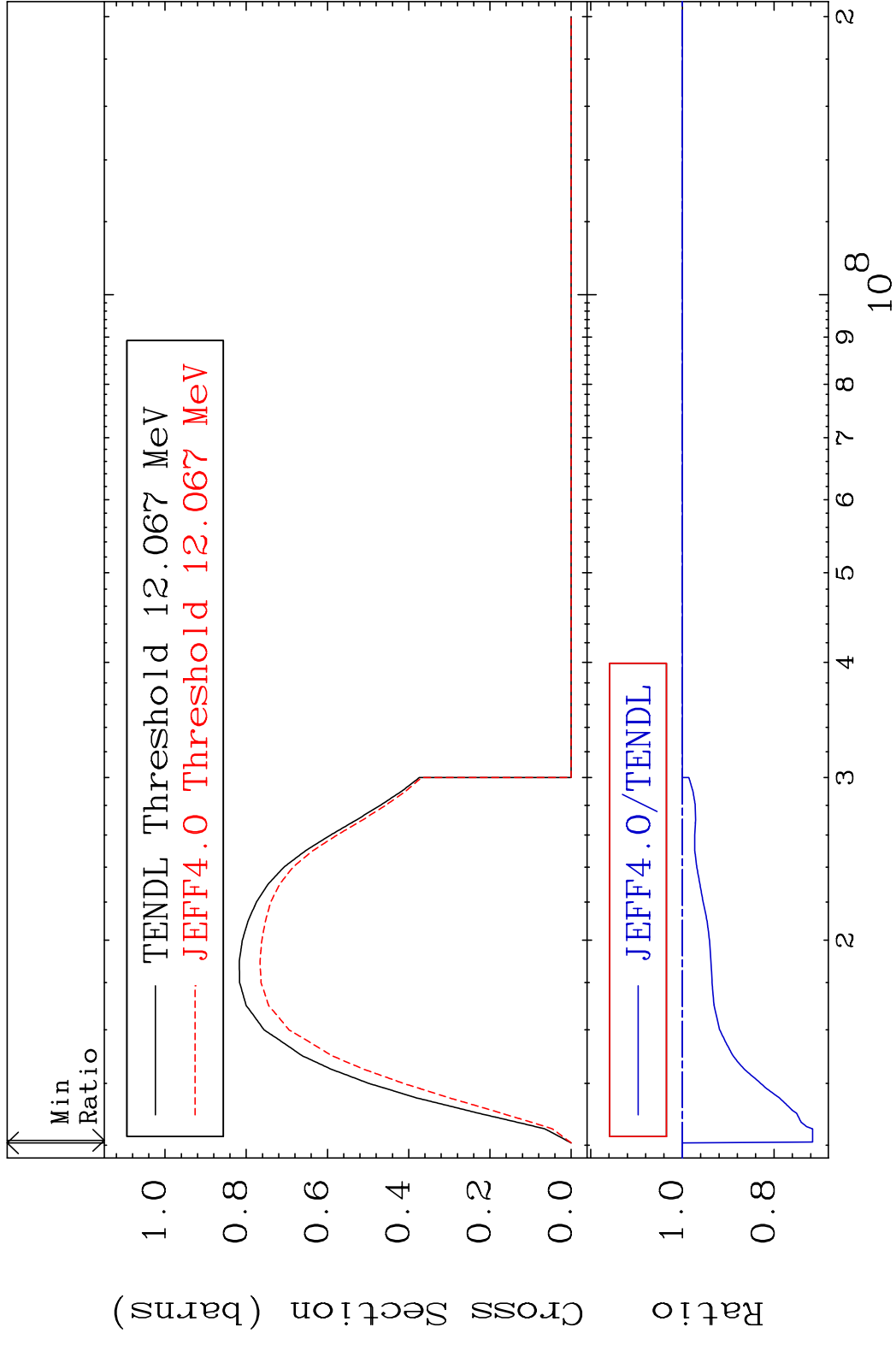
MAT 3825 (n,2n) d:37-Rb-81g 38-Sr-84
 Radionuclide Production Cross Section 43.45 %



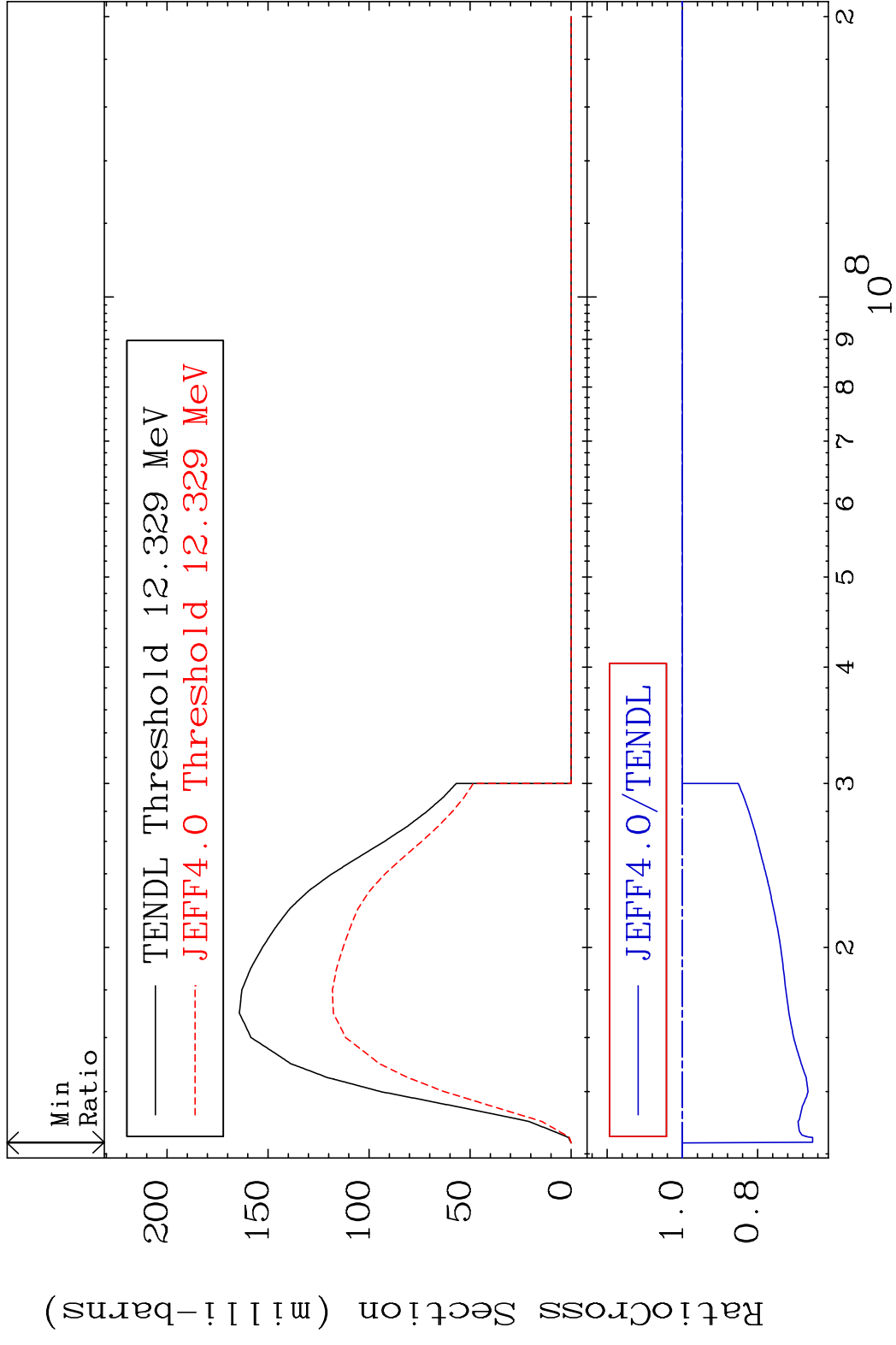
MAT 3825 (n,2n) d:37-Rb-81m1 38-Sr-84
 Radionuclide Production Cross Section 0.000 %

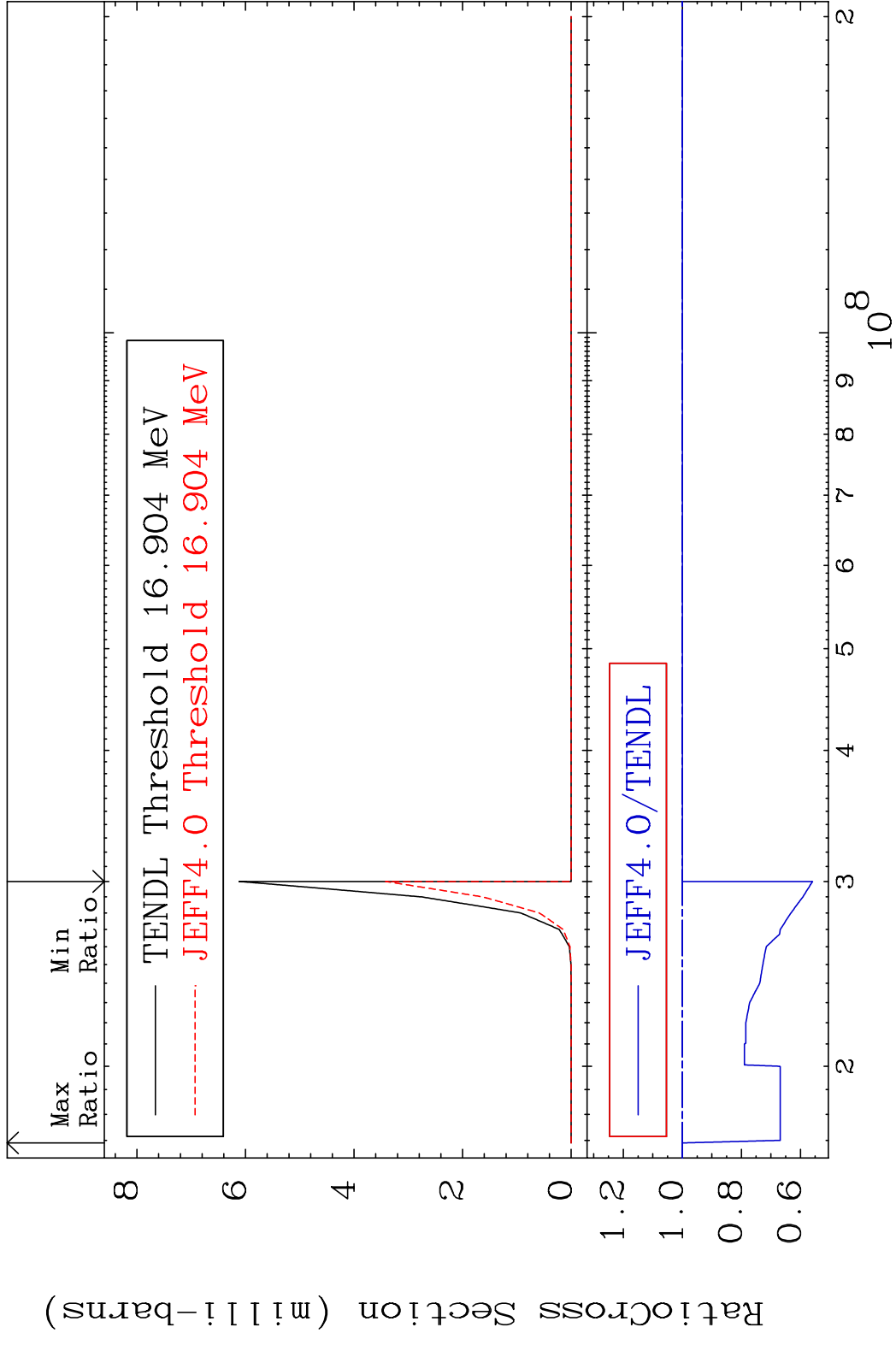


MAT 3825 (n,2n):38-Sr-83g 38-Sr-84
 Radionuclide Production Cross Section 0.000 %

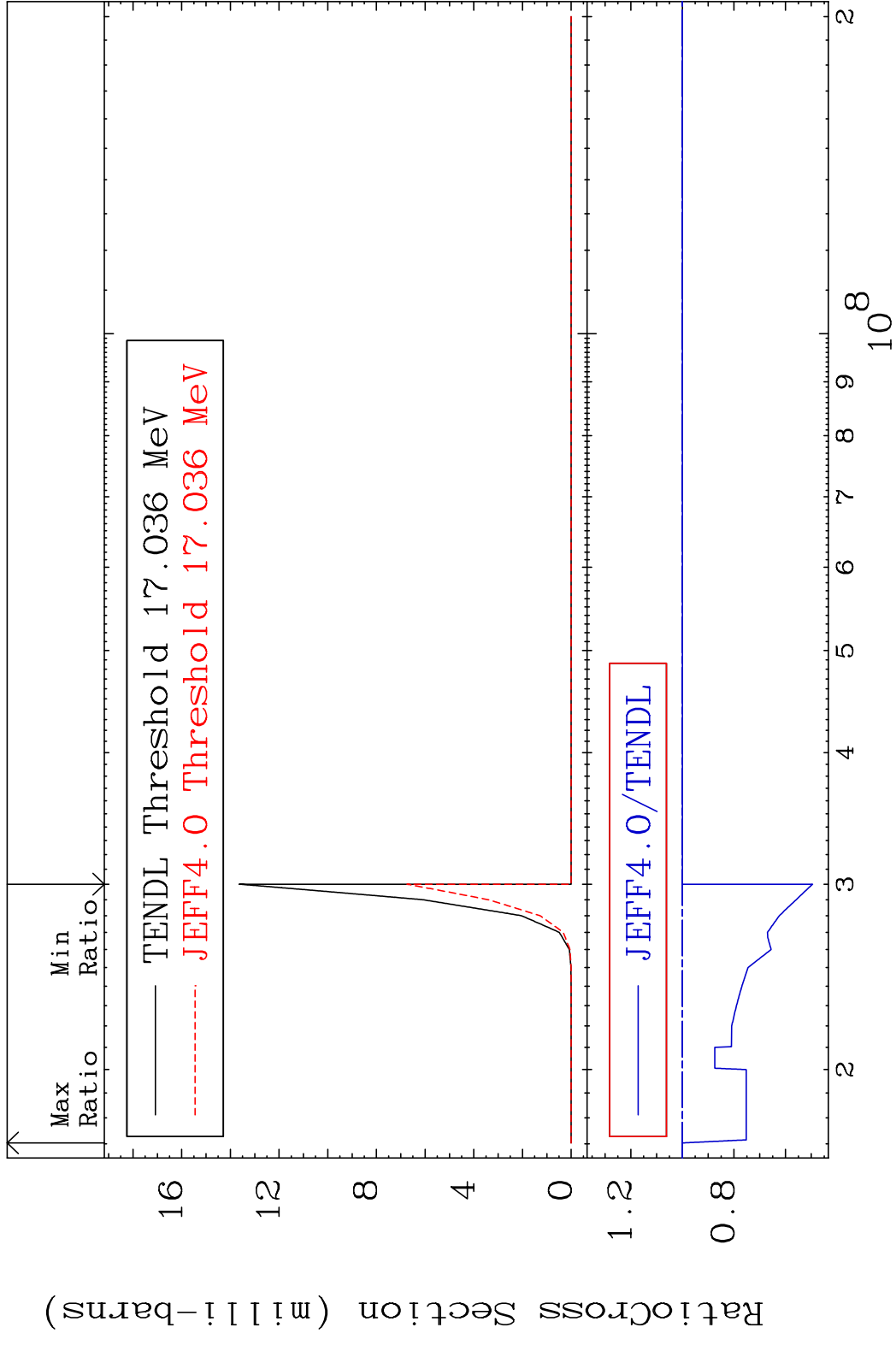


MAT 3825 (n,2n):38-Sr-83m2 38-Sr-84
 Radionuclide Production Cross Section 0.000 %

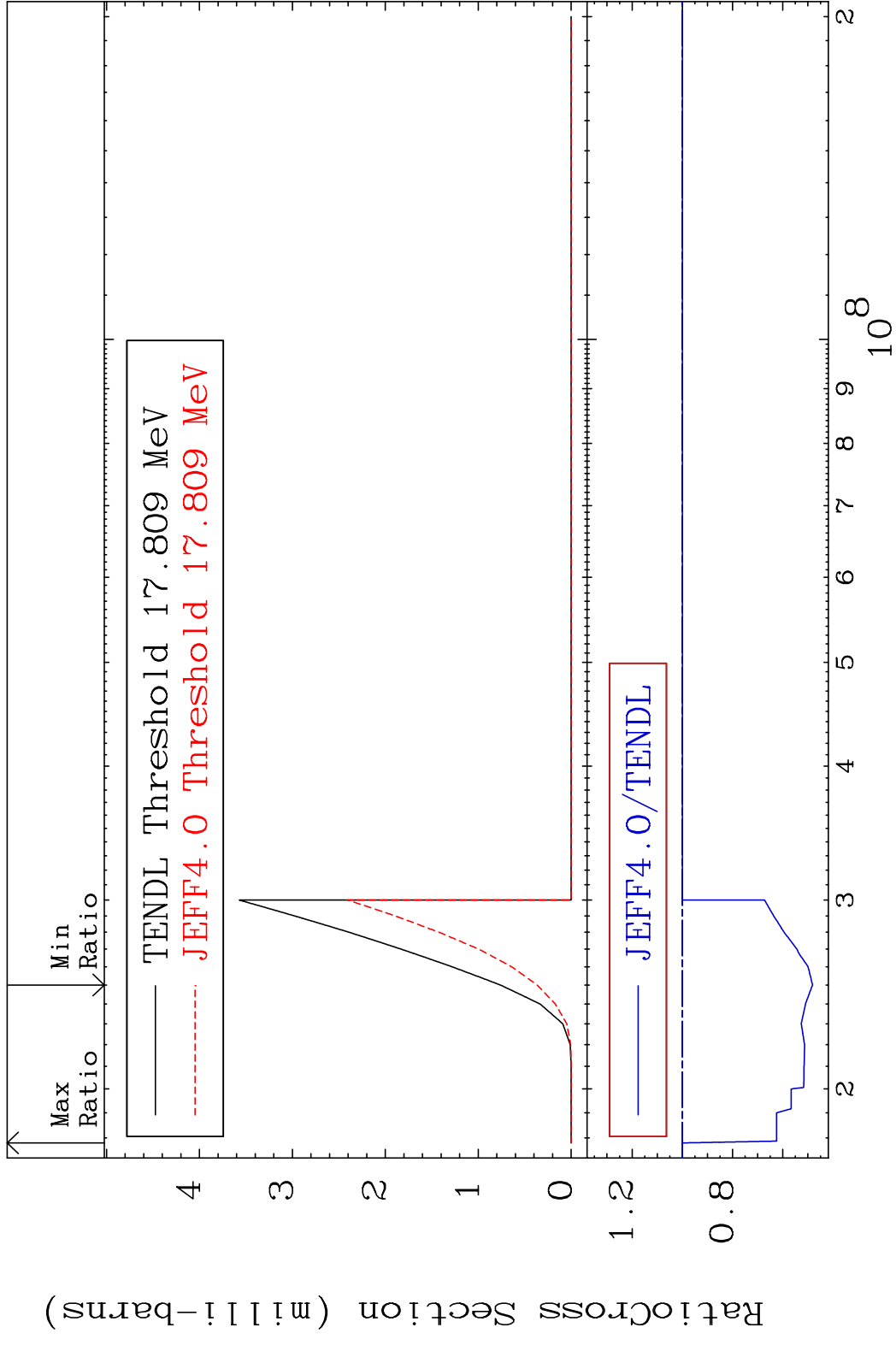




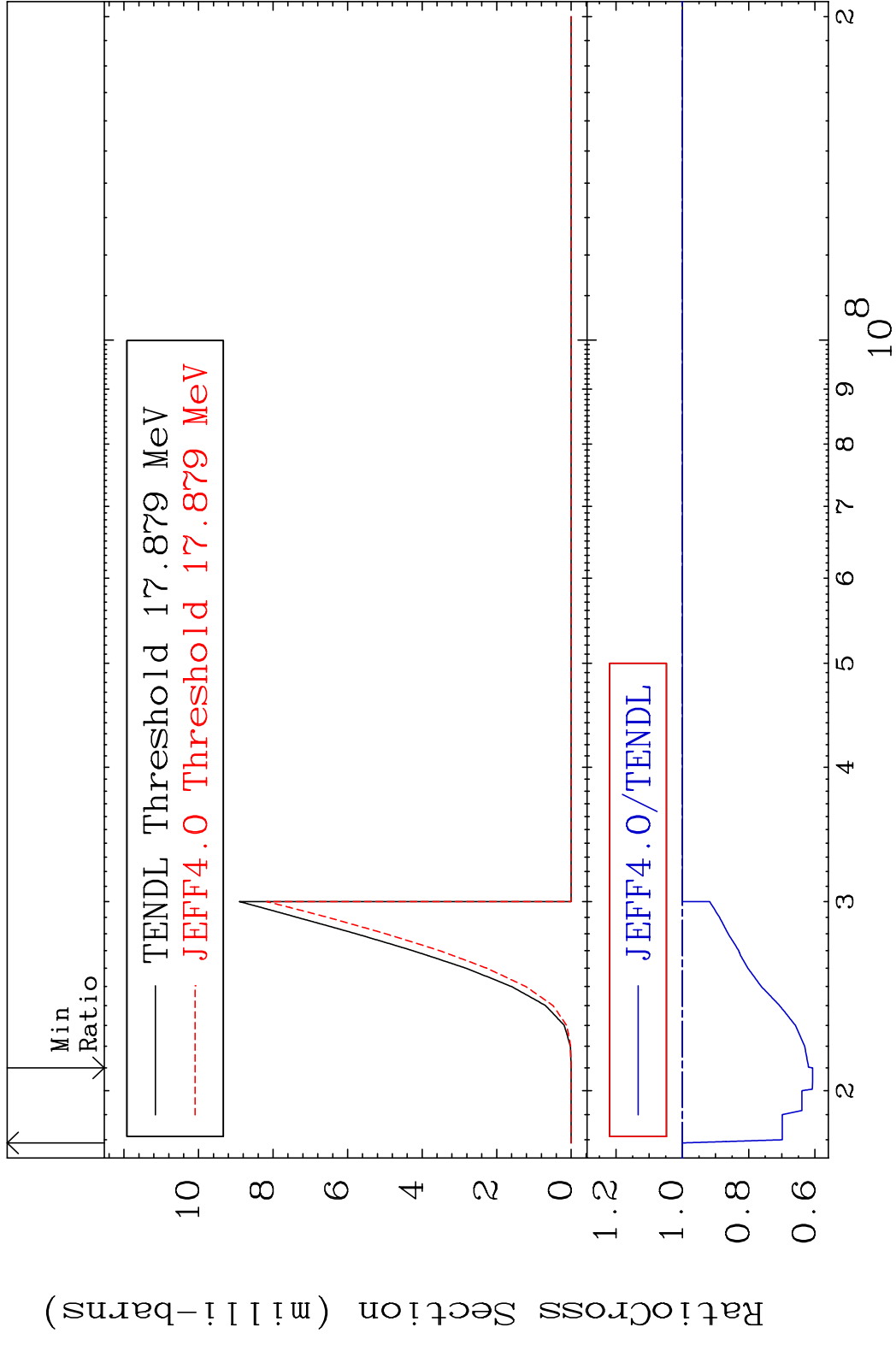
MAT 3825 (n,2n) α :36-Kr-79m1 38-Sr-84
 Radionuclide Production Cross Section 586481 d10 0.000 %



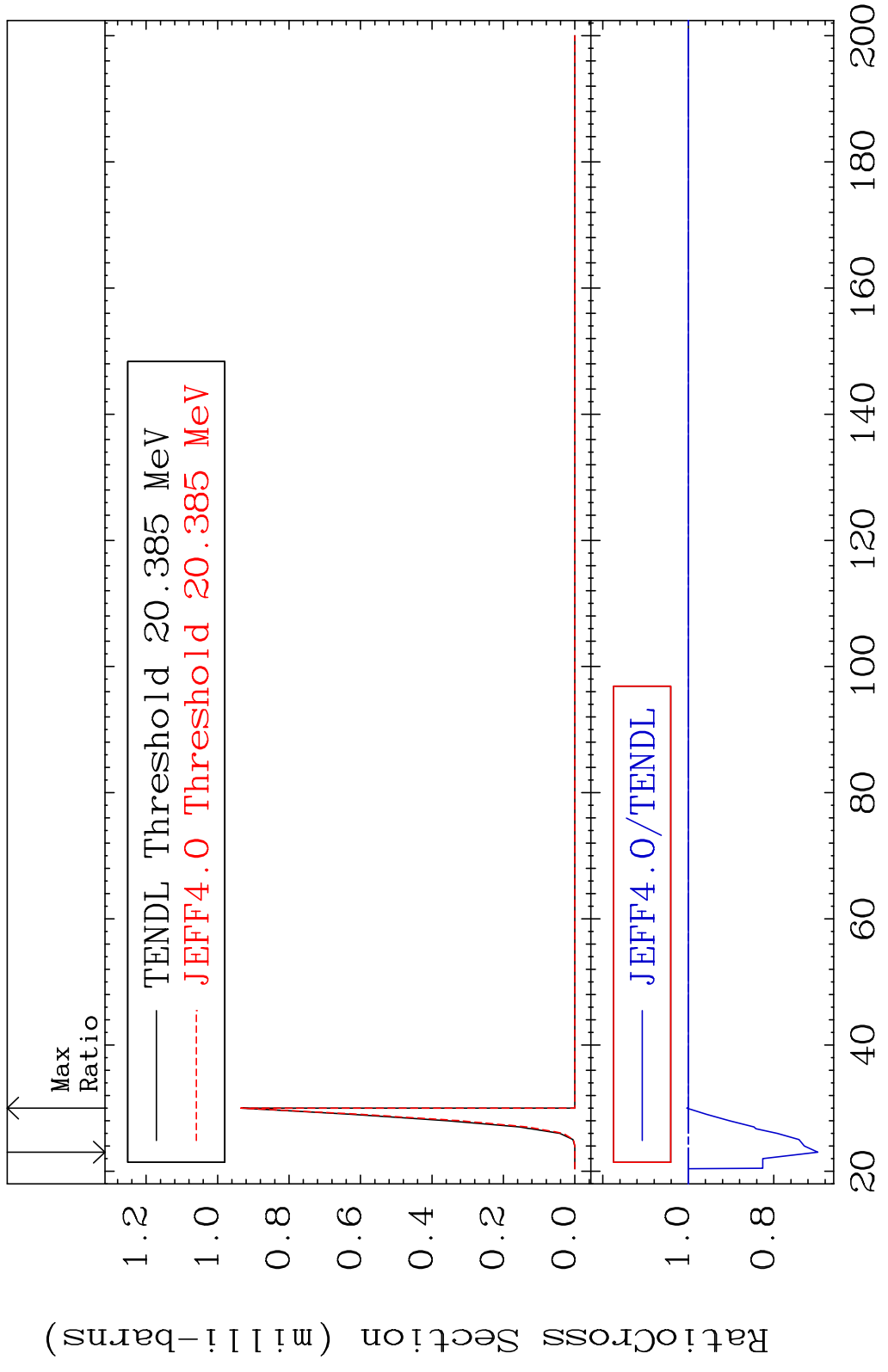
MAT 3825 (n, n') d:37-Rb-82g 38-Sr-84
 Radionuclide Production Cross Section 0.000 %



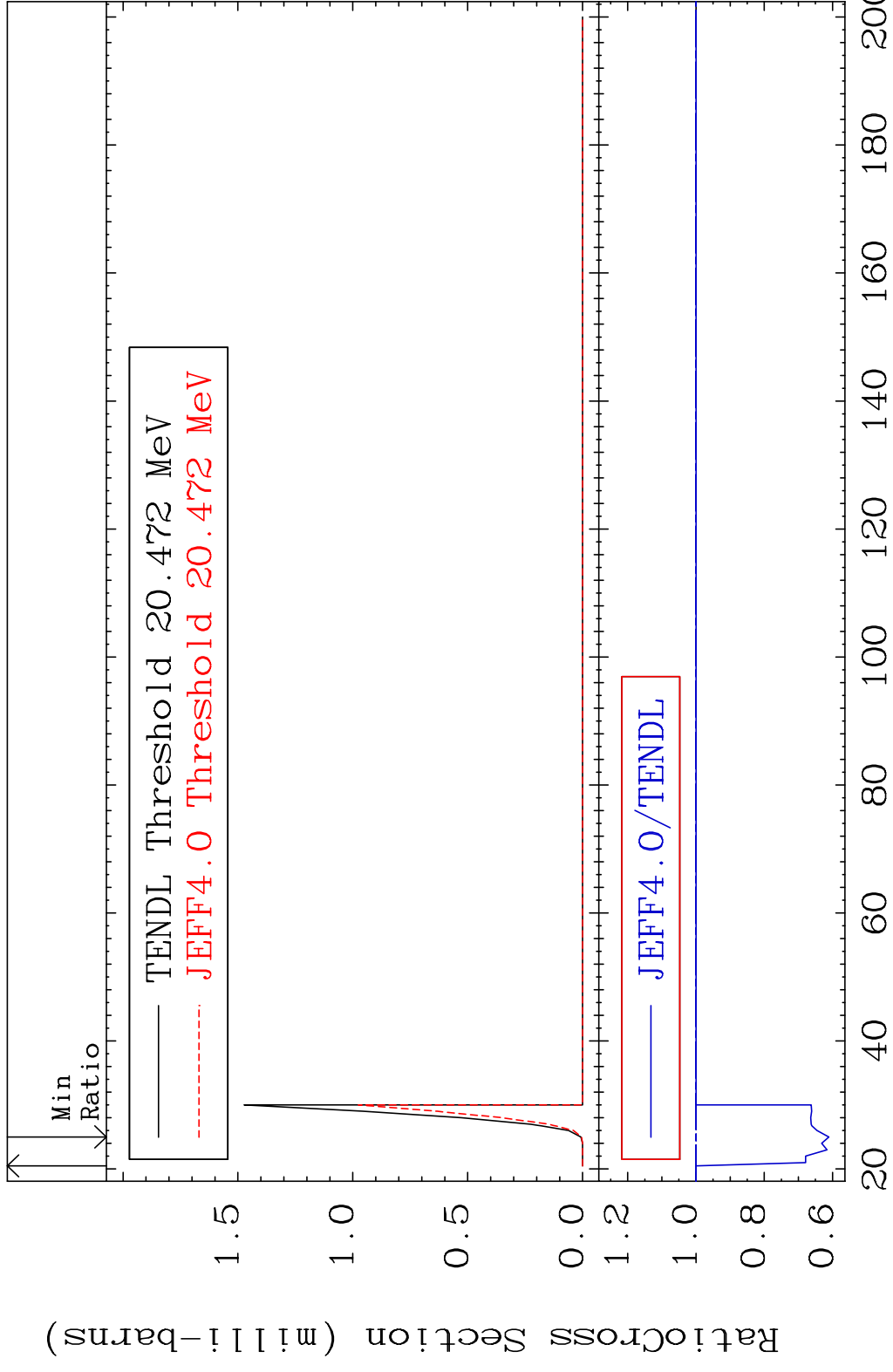
MAT 3825 (n, n') d:37-Rb-82m1 38-Sr-84
 Radionuclide Production Cross Section 38e28id10 0.000 %



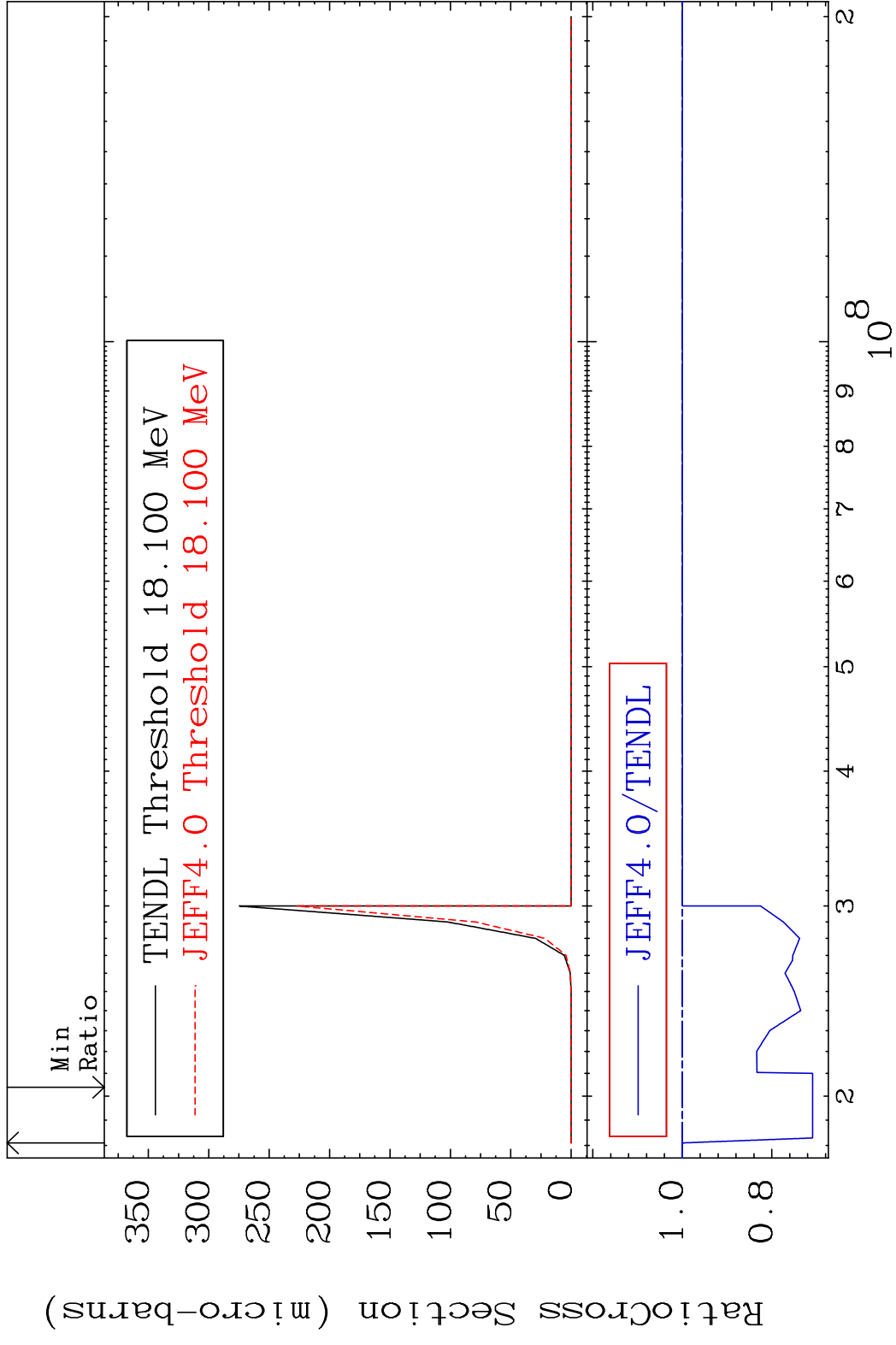
MAT 3825 (n, n') t:37-Rb-81g 38-Sr-84
 Radionuclide Production Cross Section 0.375 %

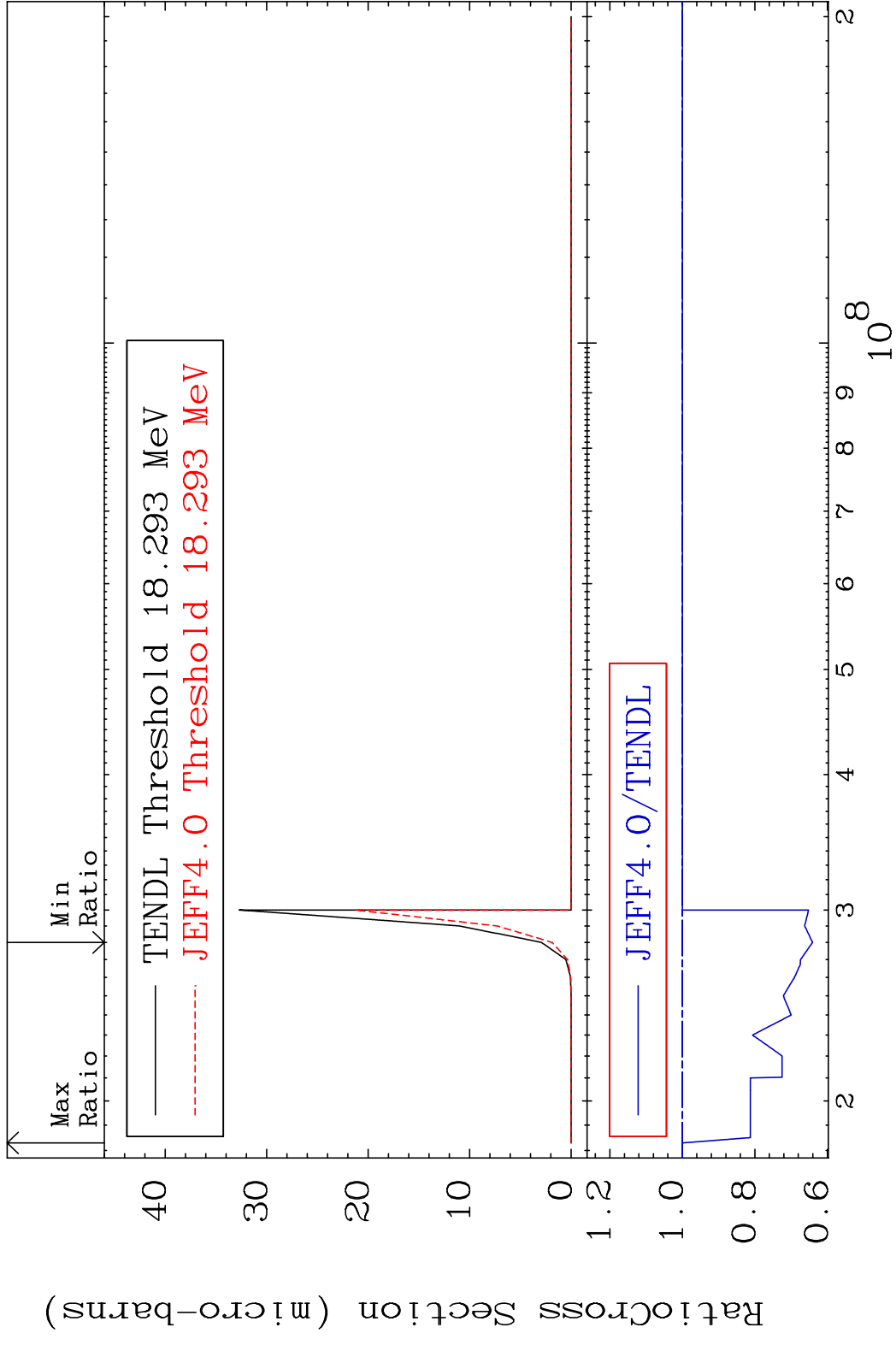


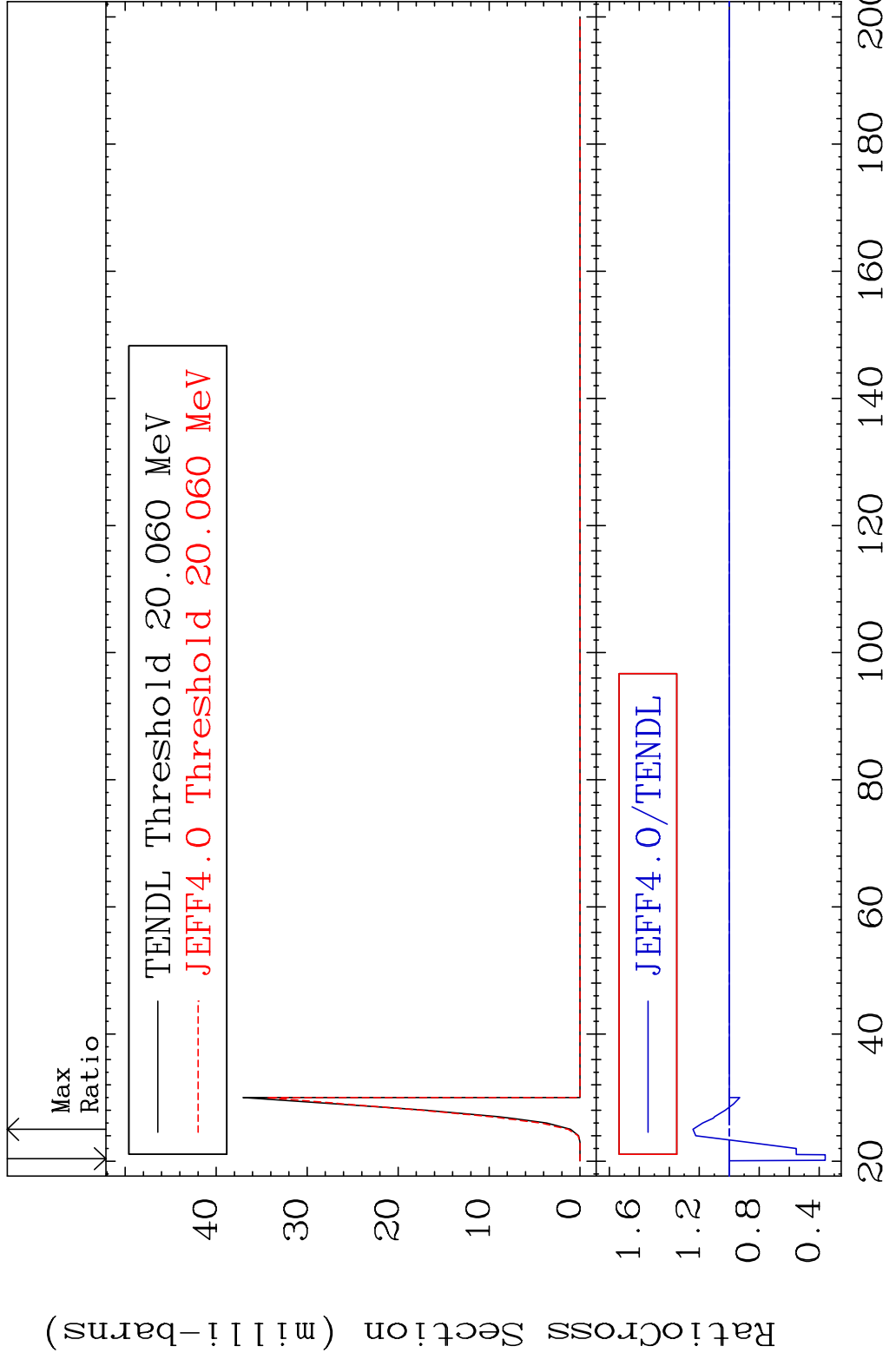
MAT 3825 (n, n') t:37-Rb-81m1 38-Sr-84
 Radionuclide Production Cross Section 0.000 %

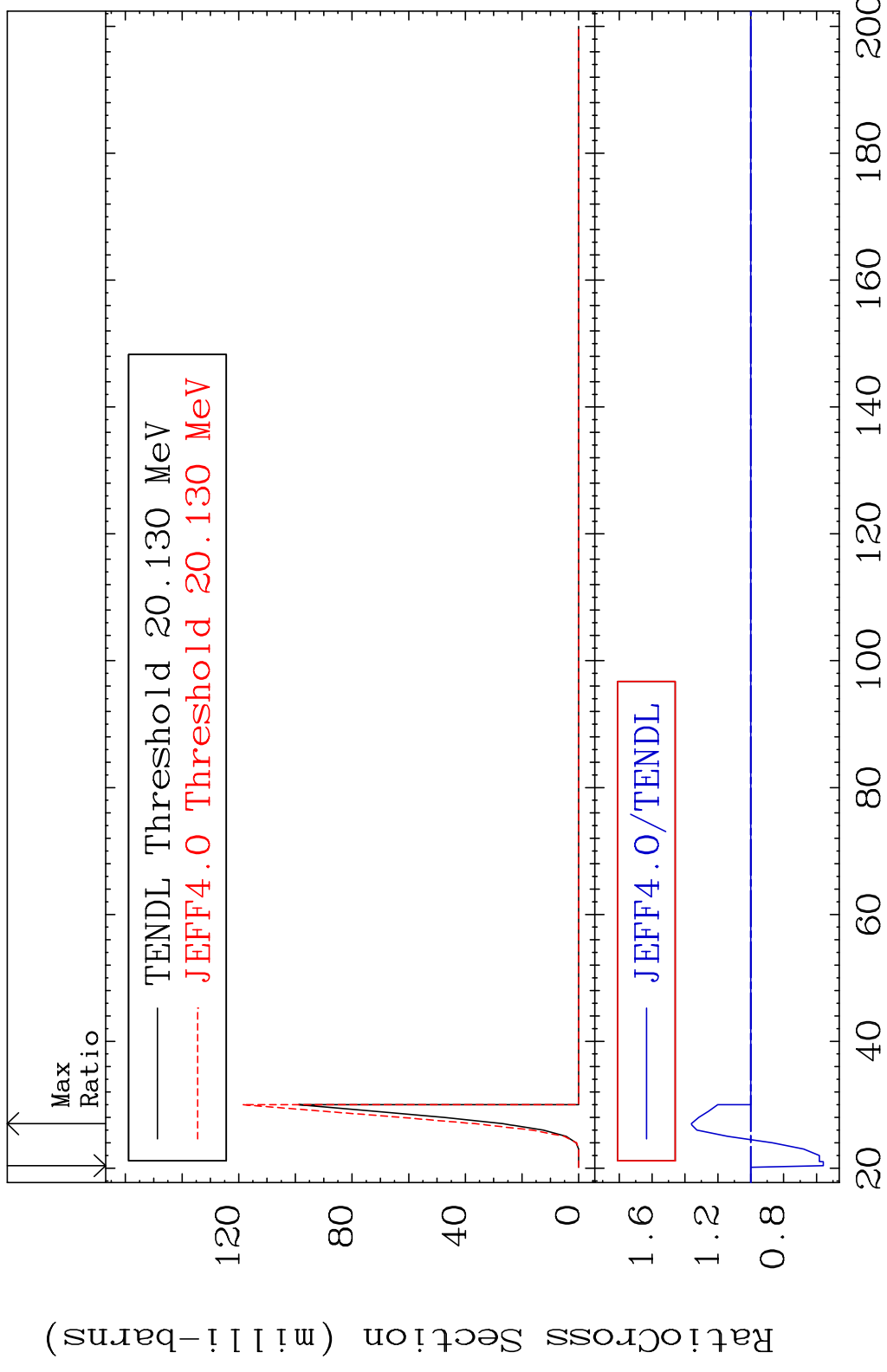


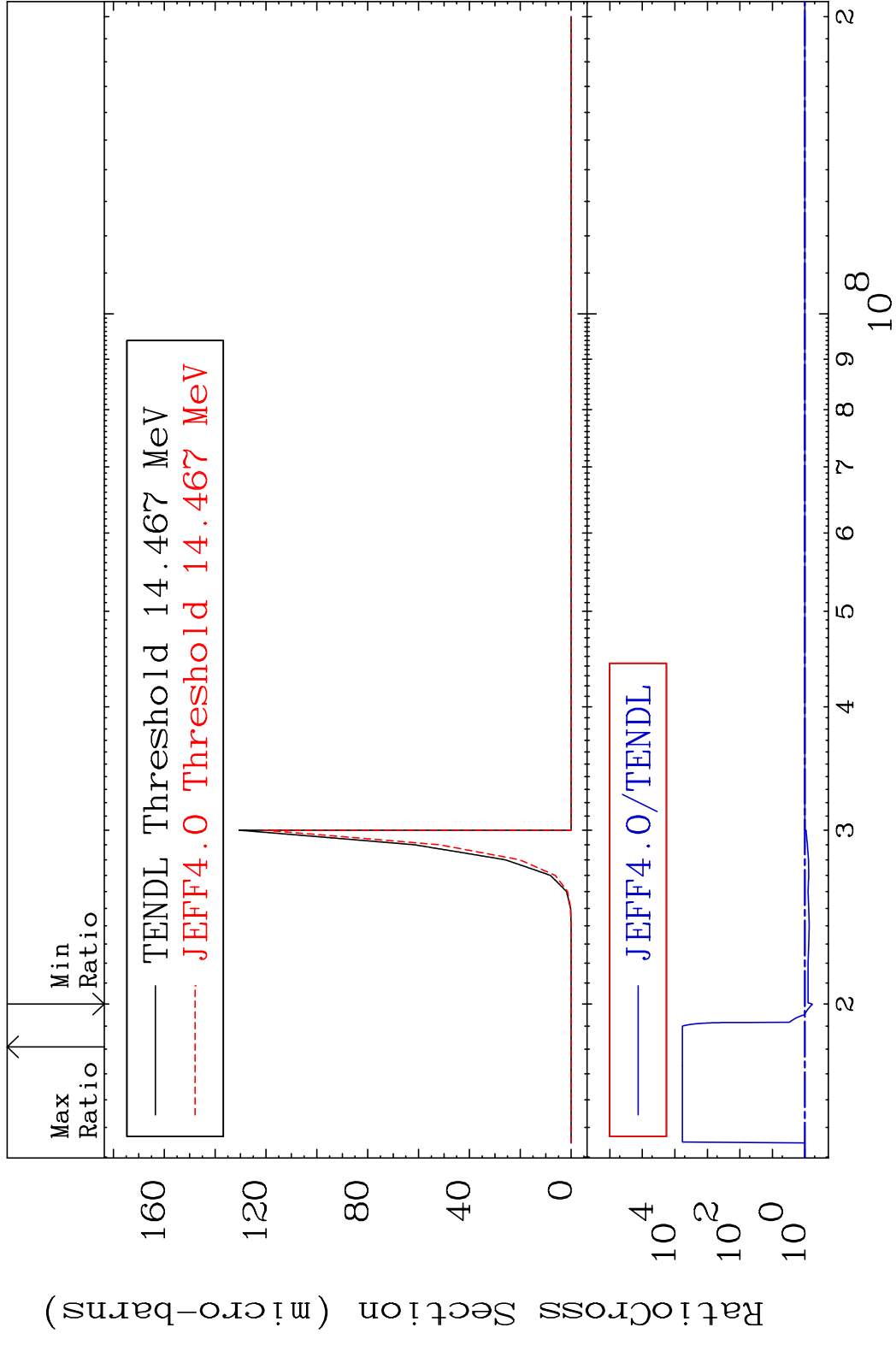
MAT 3825 (n, n') He-3:36-Kr-81g 38-Sr-84
 Radionuclide Production Cross Section 0.000 %



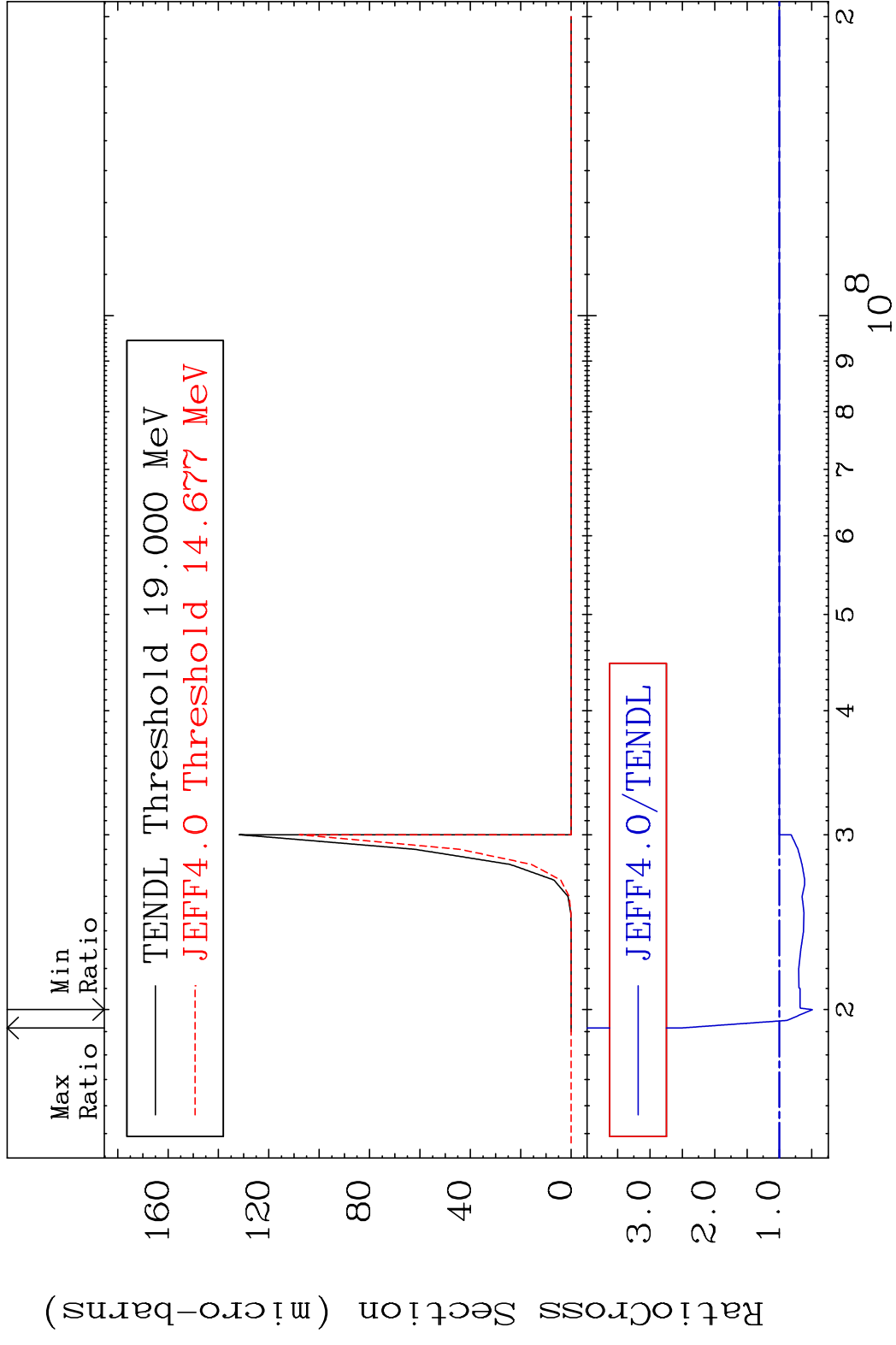


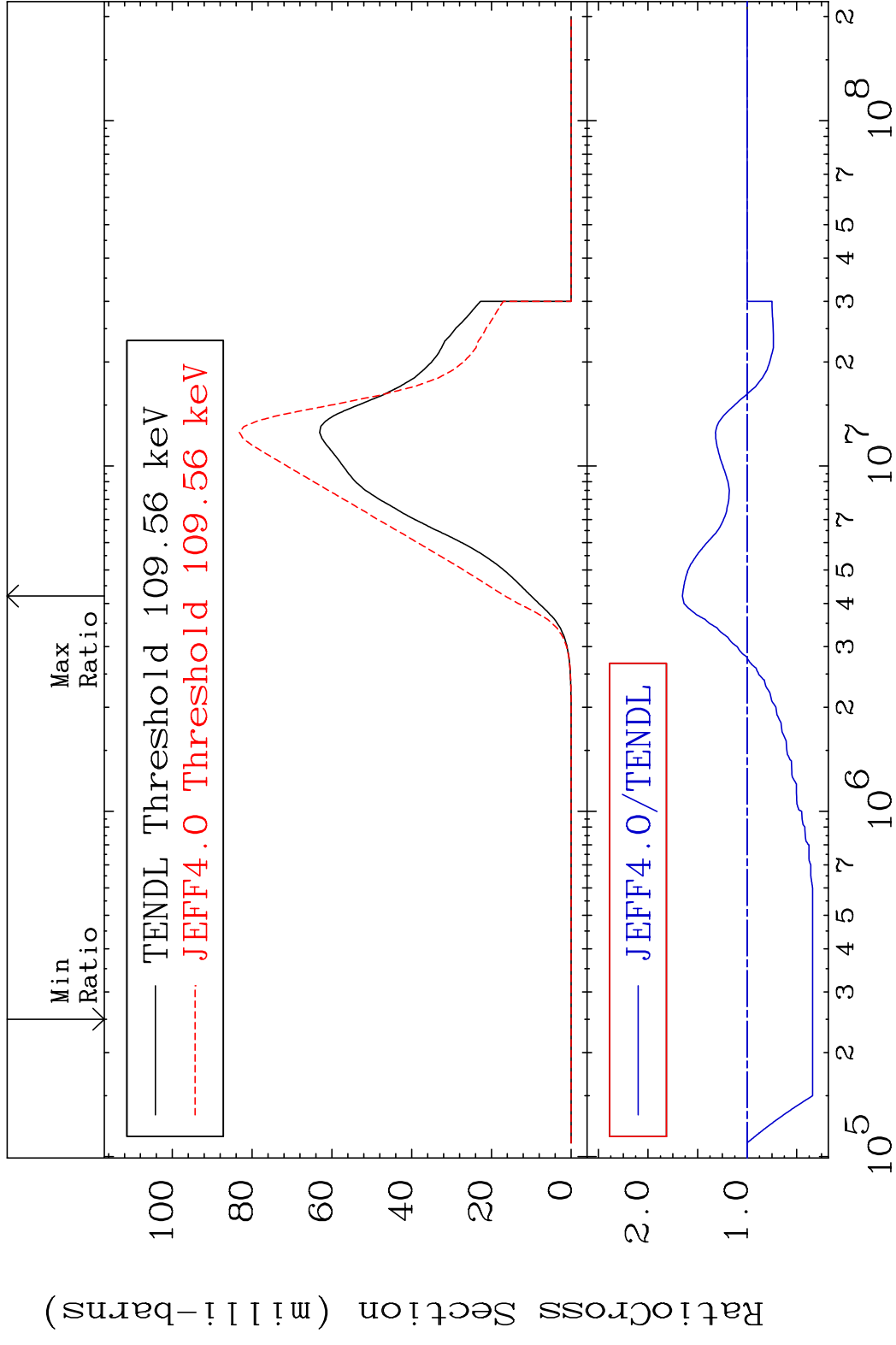




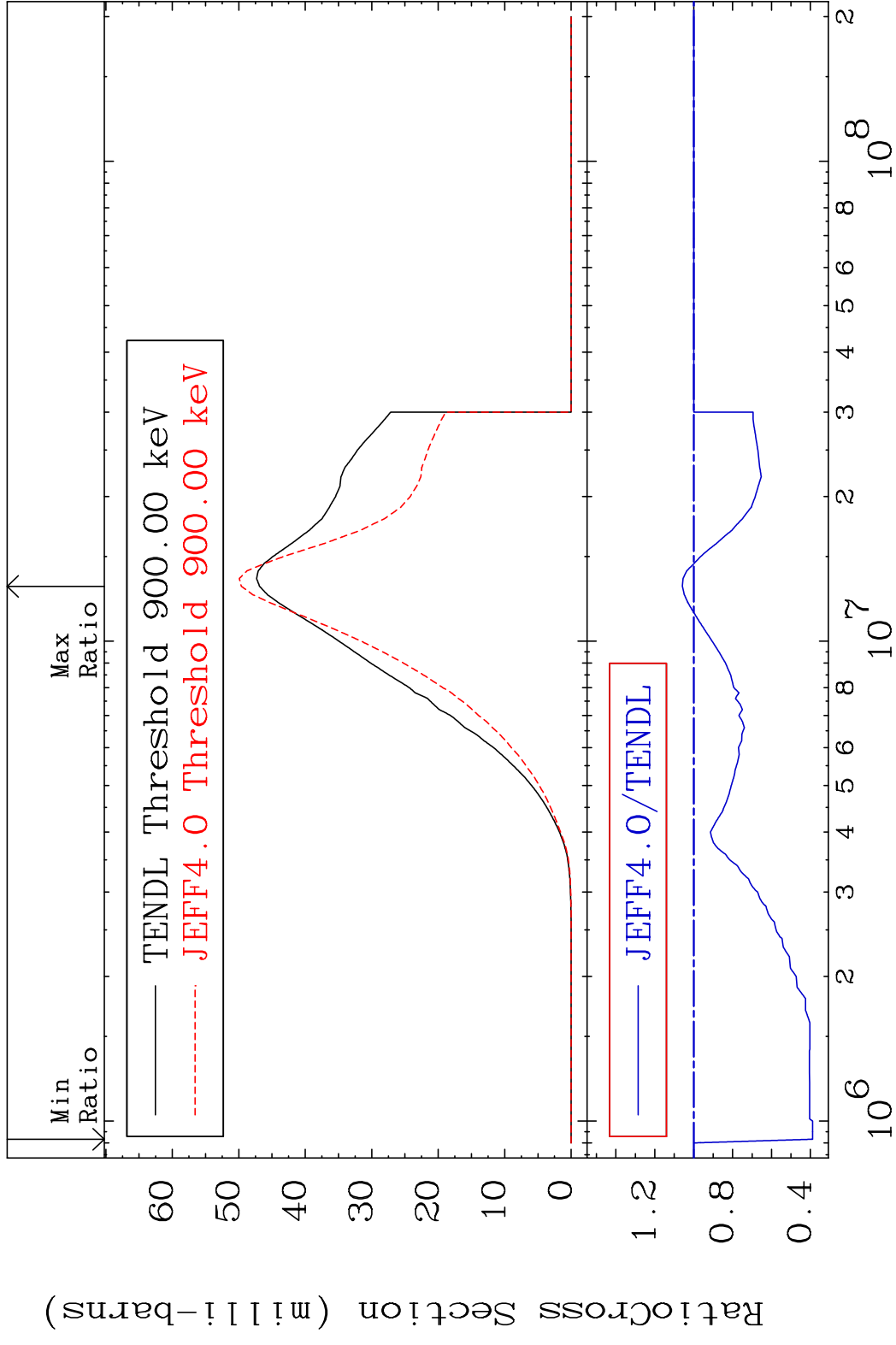


MAT 3825 (n, n') p α :35-Br-79m1 38-Sr-84
 Radionuclide Production Cross Section 150.0 %





MAT 3825 (n,p):37-Rb-84m2 38-Sr-84
 Radionuclide Production Cross Section 5.832 %

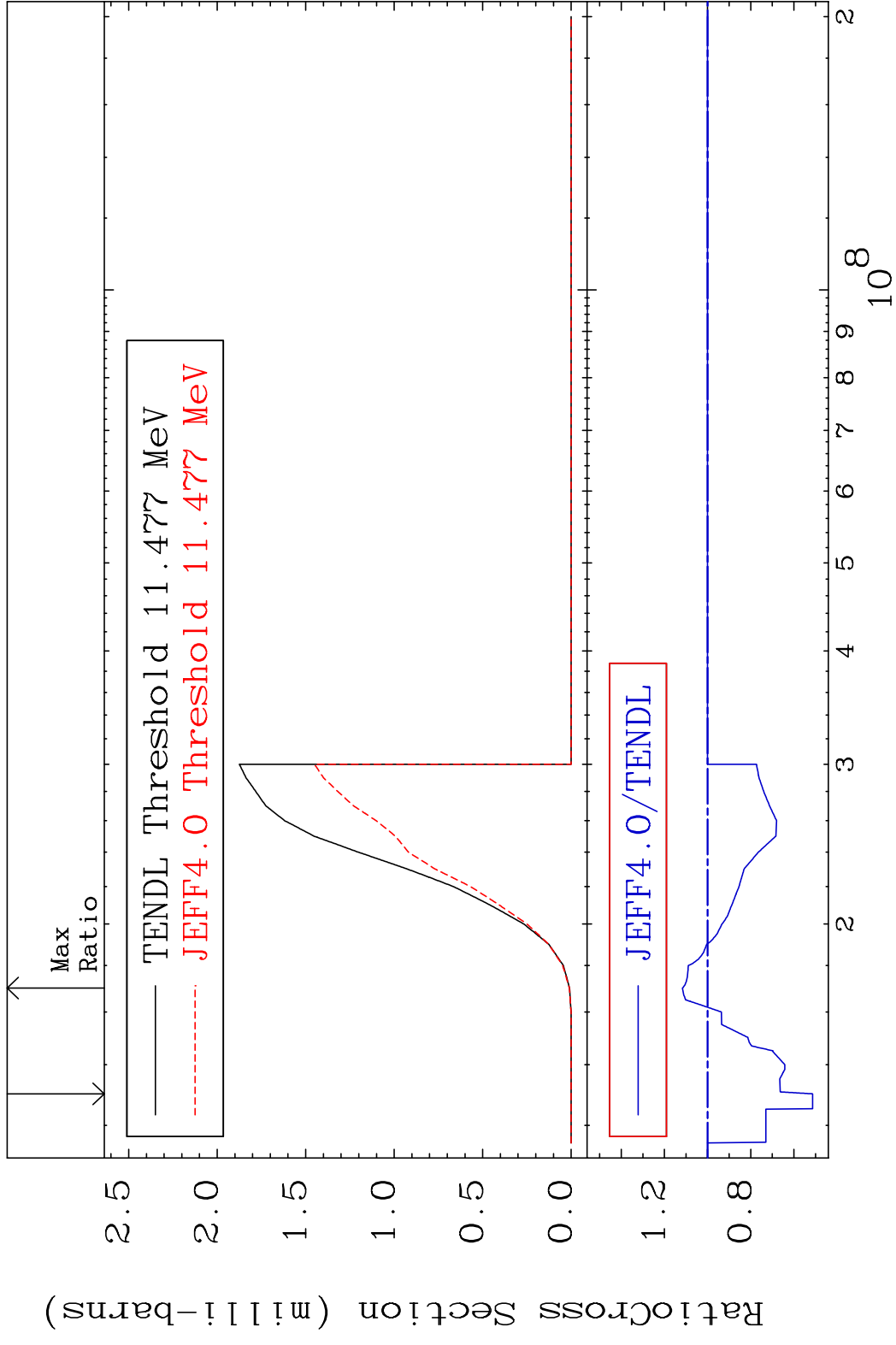


92

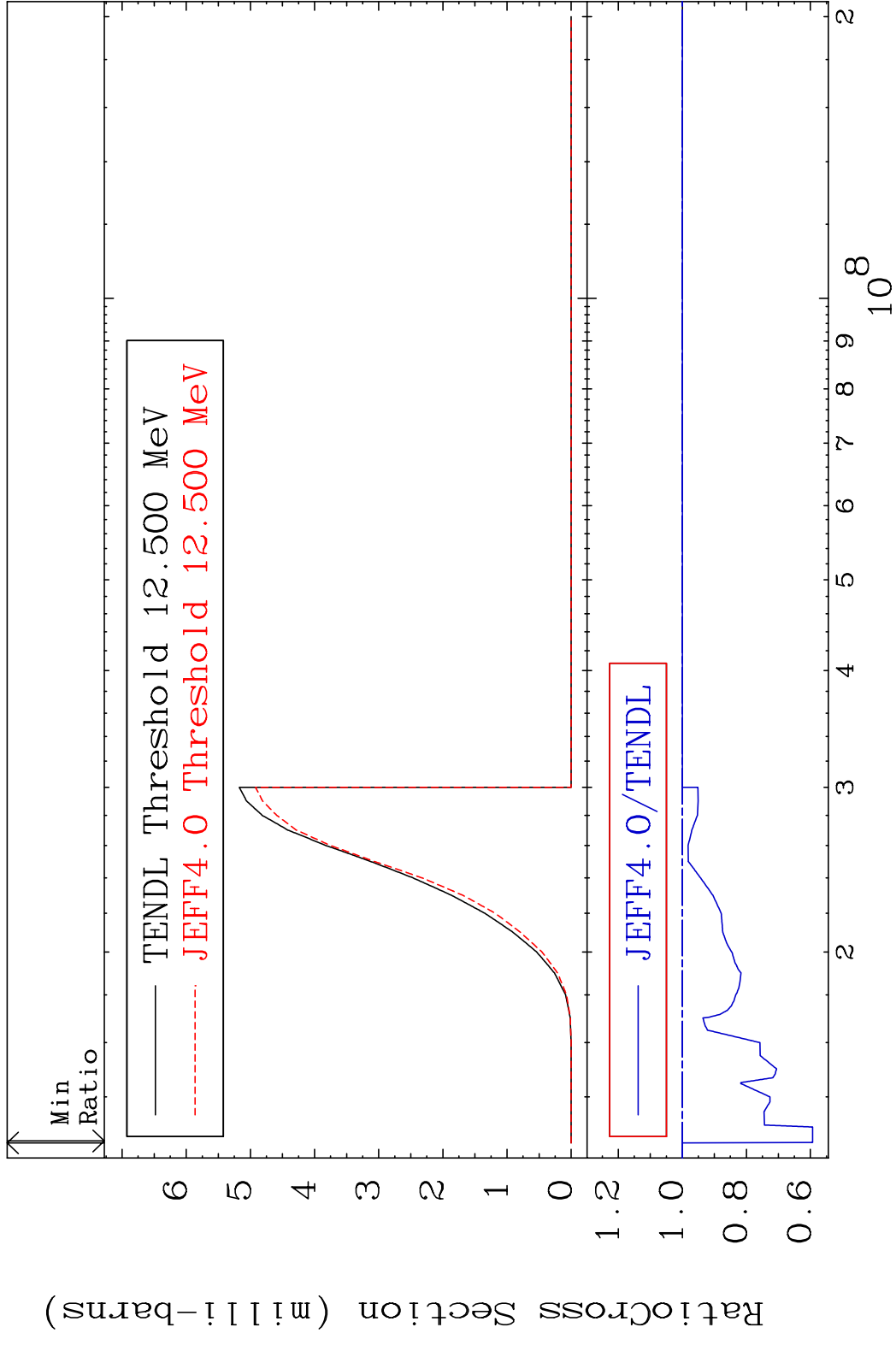
Incident Energy (eV)

38-Sr-84

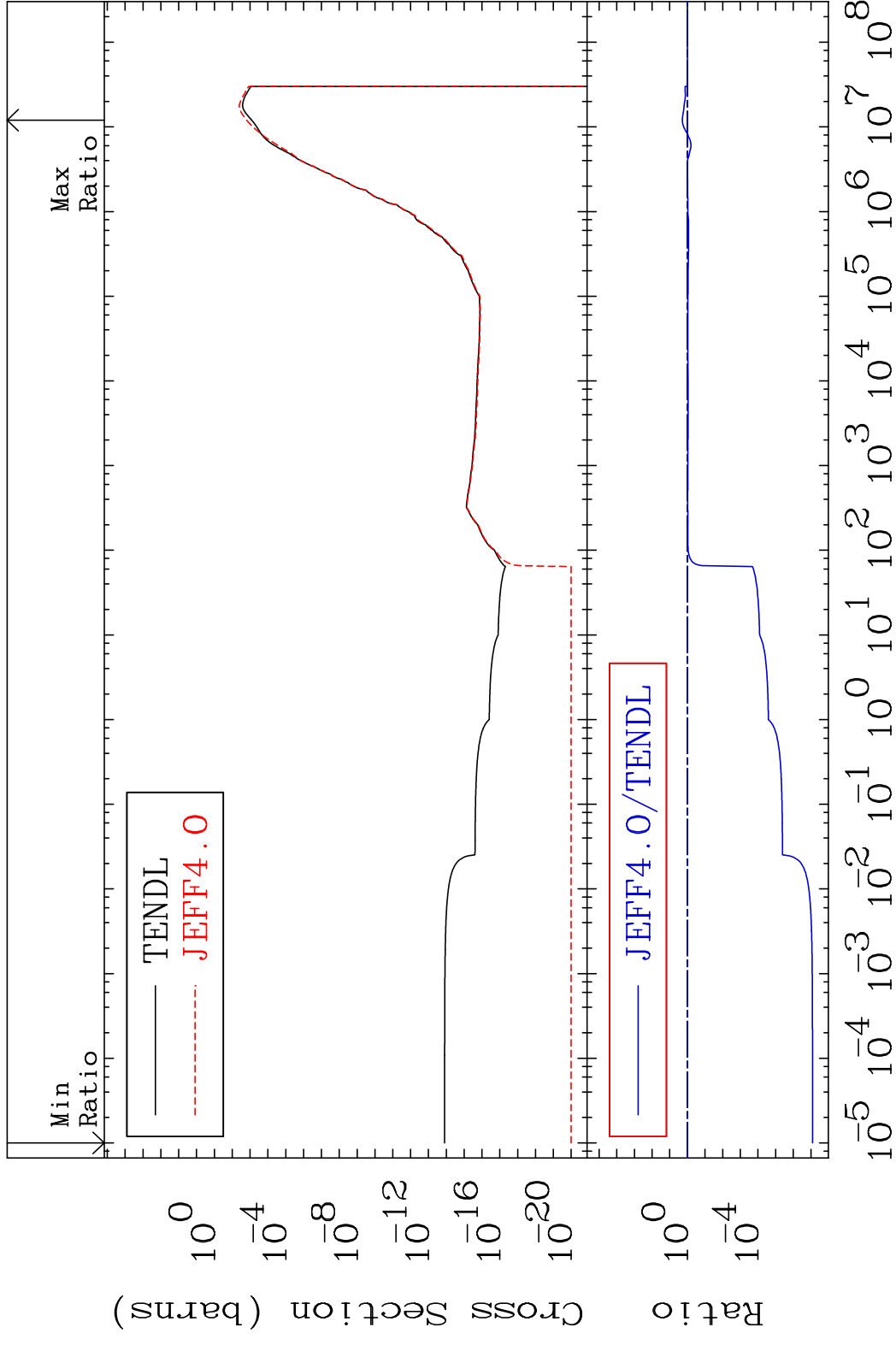
MAT 3825 (n, t):37-Rb-82g 38-Sr-84
 Radionuclide Production Cross Section 11.69 %



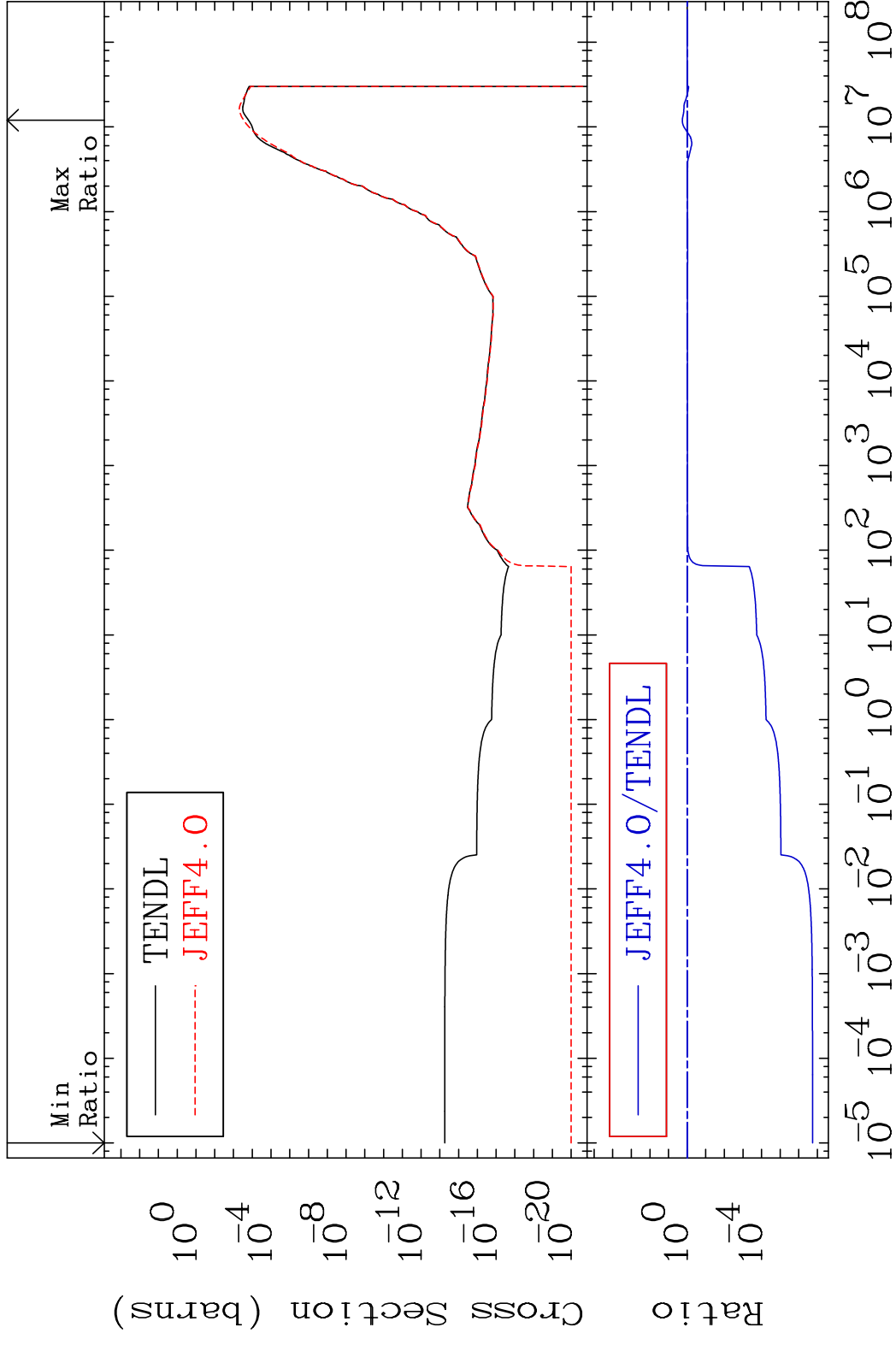
MAT 3825 (n,t):37-Rb-82m1 38-Sr-84
 Radionuclide Production Cross Section 0.000 %



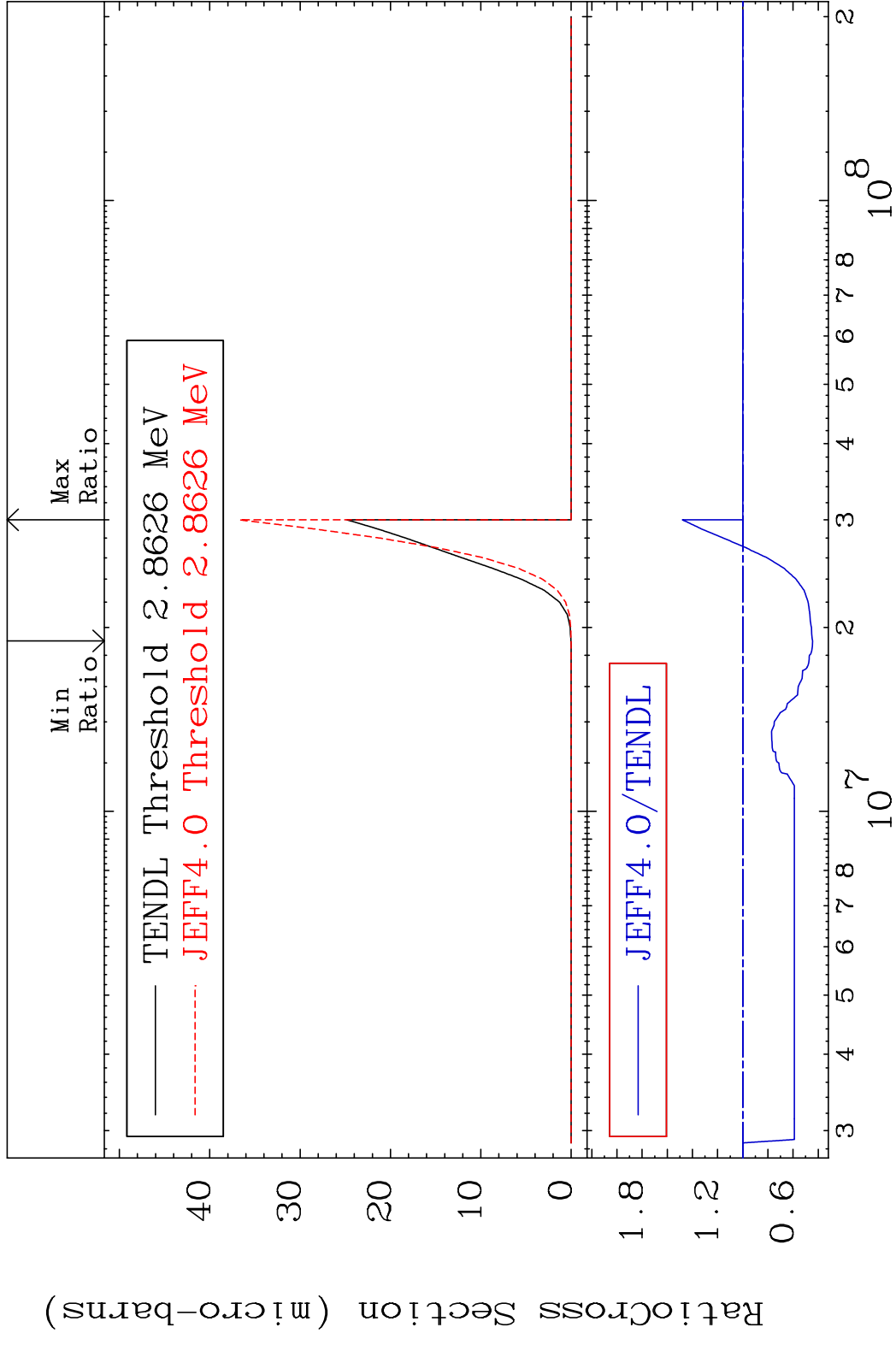
MAT 3825 (n, α): 36-Kr-81g 38-Sr-84
 Radionuclide Production Cross Section Ratio 92.02 %



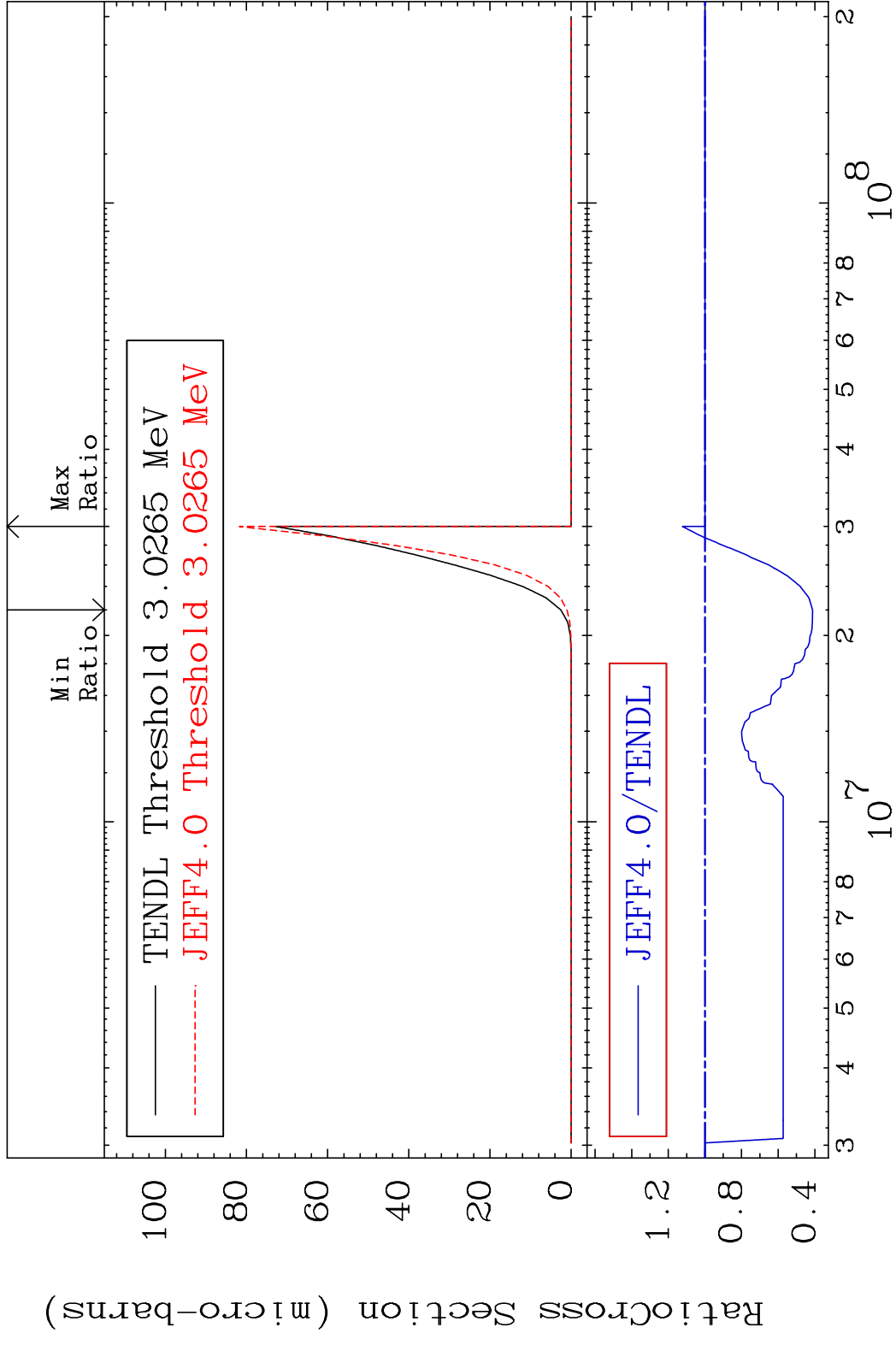
MAT 3825 (n,α):36-Kr-81m2 38-Sr-84
 Radionuclide Production Cross Section 80.82 %



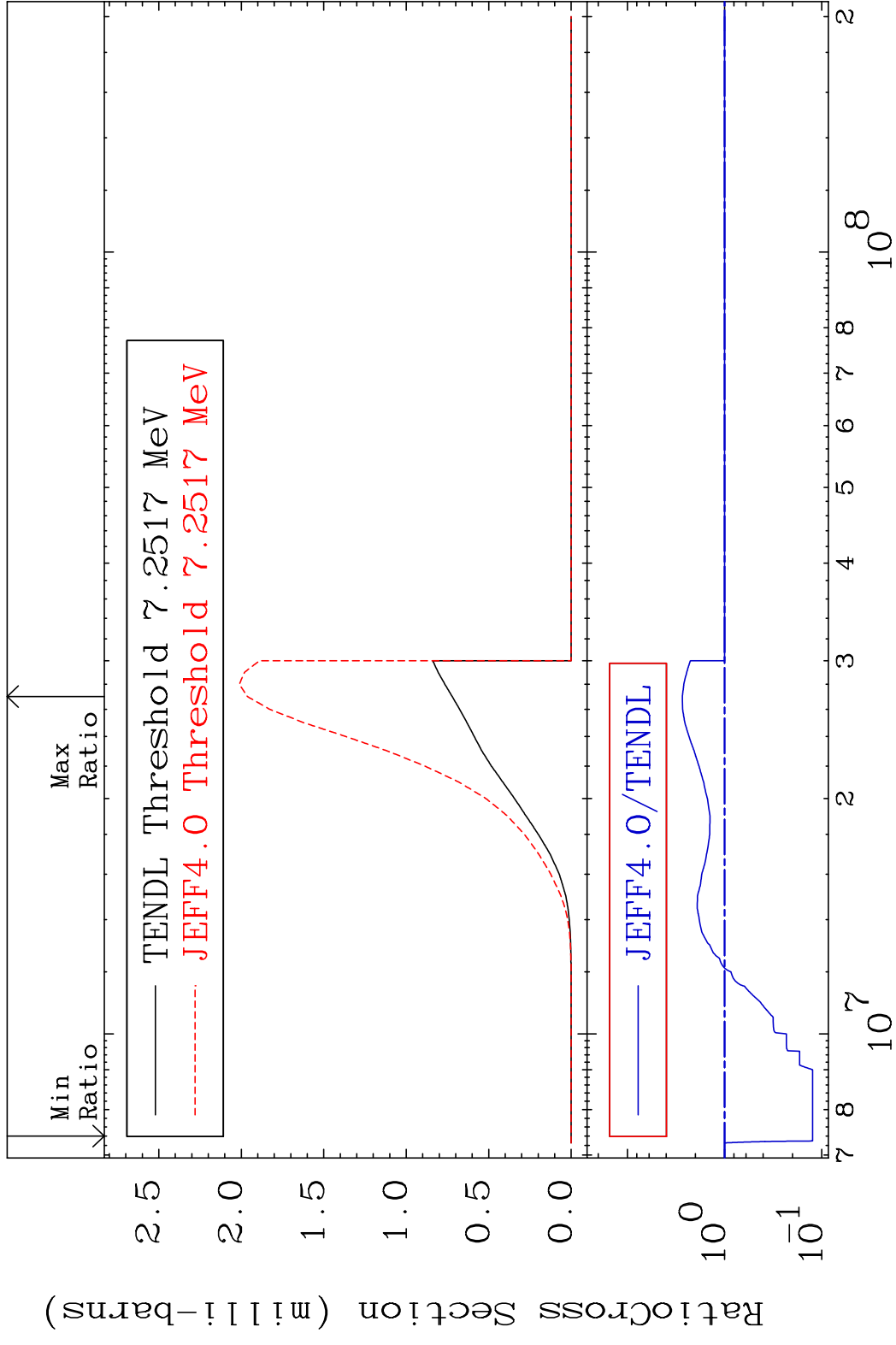
MAT 3825 (n,2α):34-Se-77g 38-Sr-84
 Radionuclide Production Cross Section 48.01 %



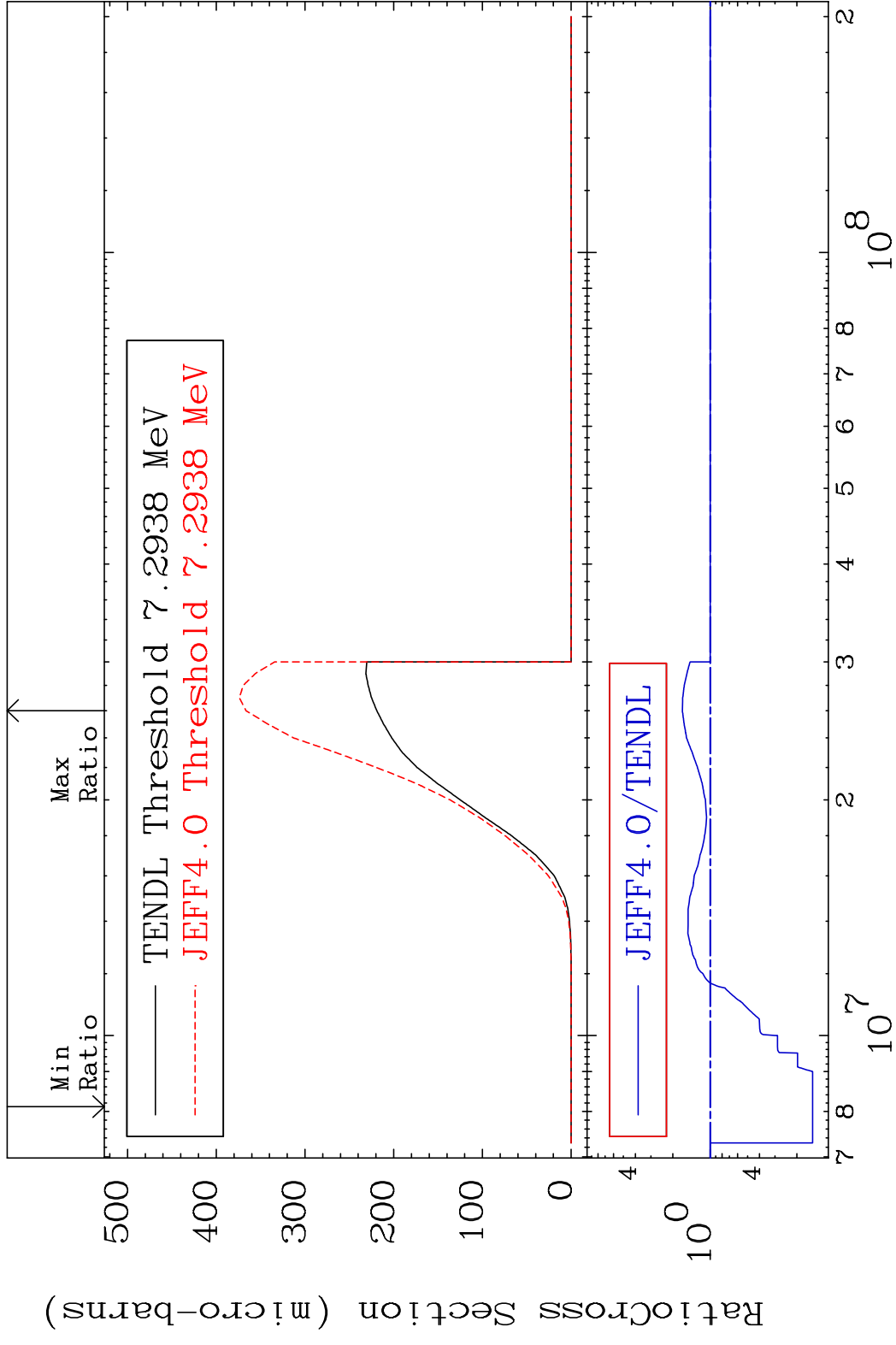
MAT 3825 (n,2α):34-Se-77m1 38-Sr-84
 Radionuclide Production Cross Section 58.678 d10 12.33 %



MAT 3825 (n,2p):36-Kr-83g 38-Sr-84
 Radionuclide Production Cross Section 172.0 %

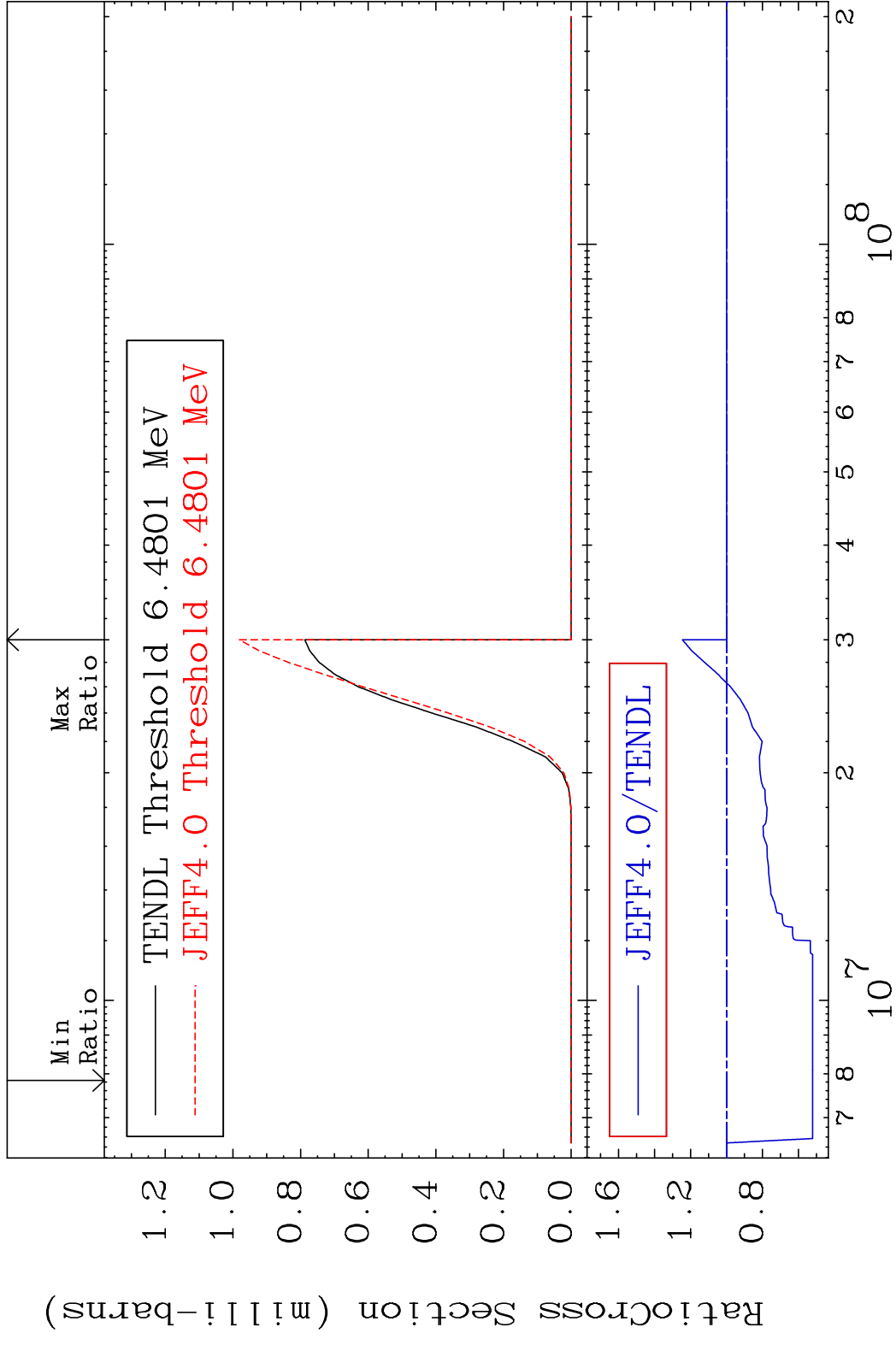


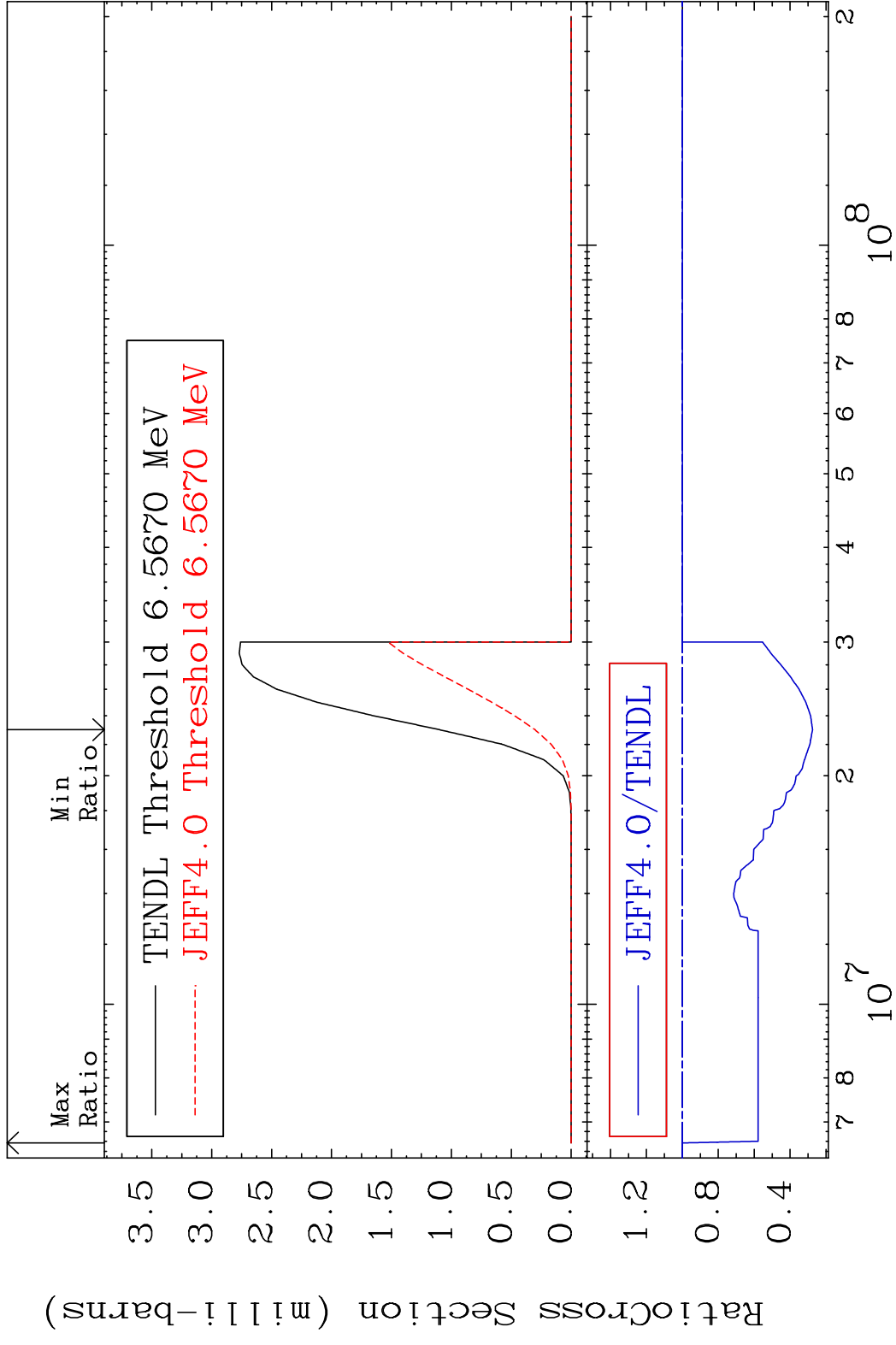
MAT 3825 (n,2p):36-Kr-83m2 38-Sr-84
 Radionuclide Production Cross Section 67.28 %



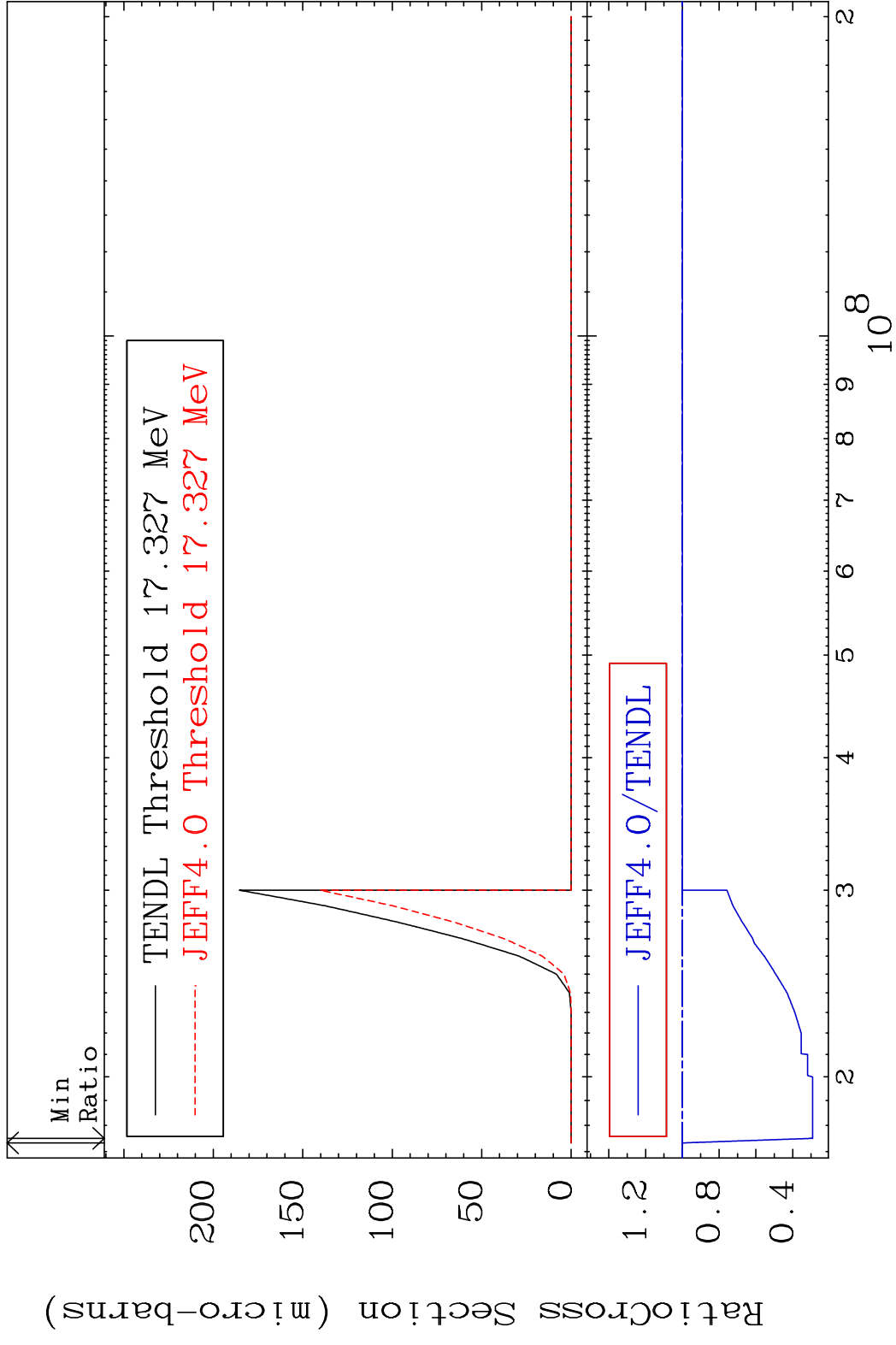
100 Incident Energy (eV) 38-Sr-84

MAT 3825 (n, p) α :35-Br-80g 38-Sr-84
 Radionuclide Production Cross Section 45.61 dth 24.56 %





MAT 3825 (n,p) t:36-Kr-81g 38-Sr-84
 Radionuclide Production Cross Section 0.000 %



MAT 3825 (n, p) t:36-Kr-81m2 38-Sr-84
 Radionuclide Production Cross Section 0.000 %

