

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

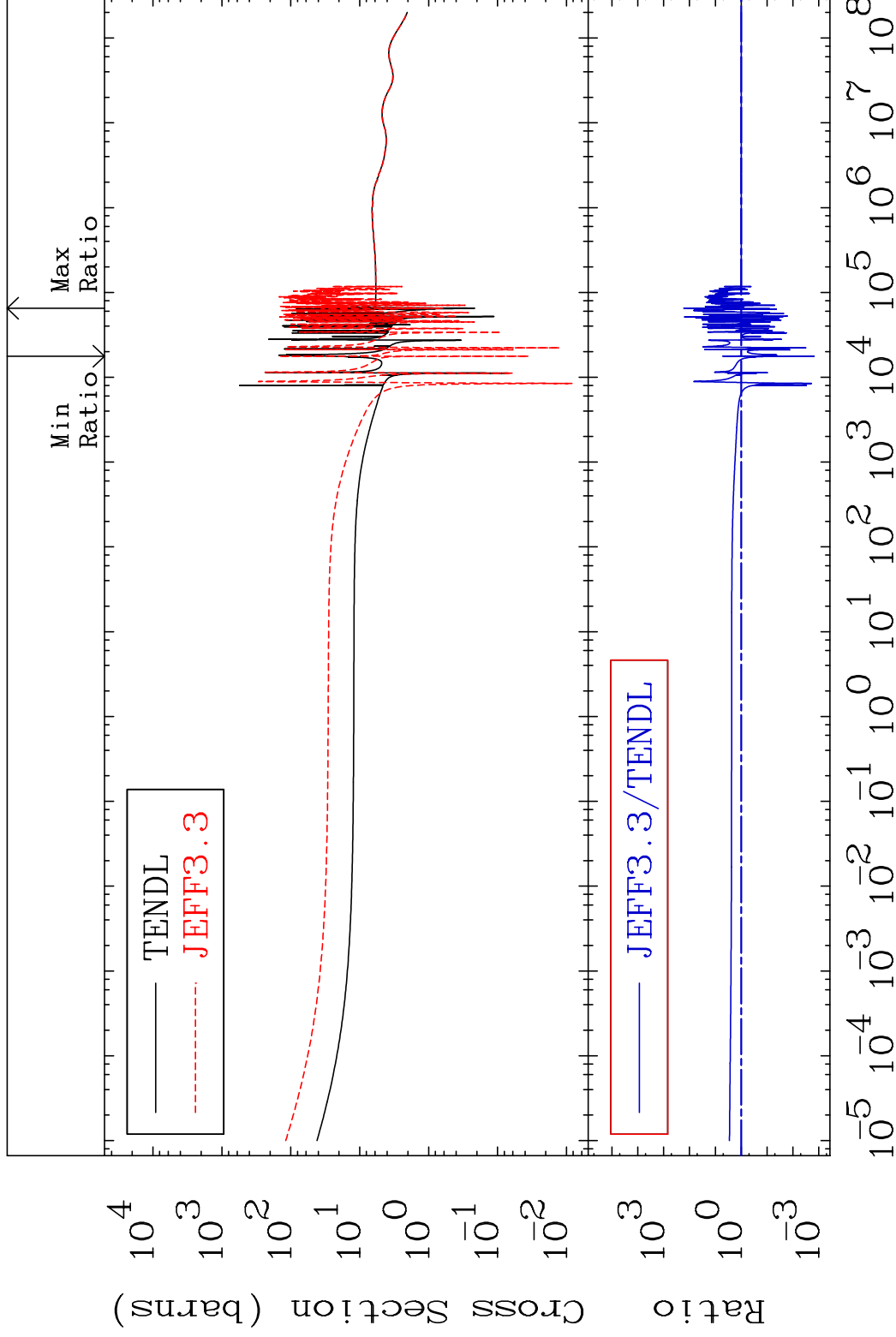
MAT 5067

Total

50-Sn-126

Cross Section

-99.85 To 9999. %



1

Incident Energy (eV)

50-Sn-126

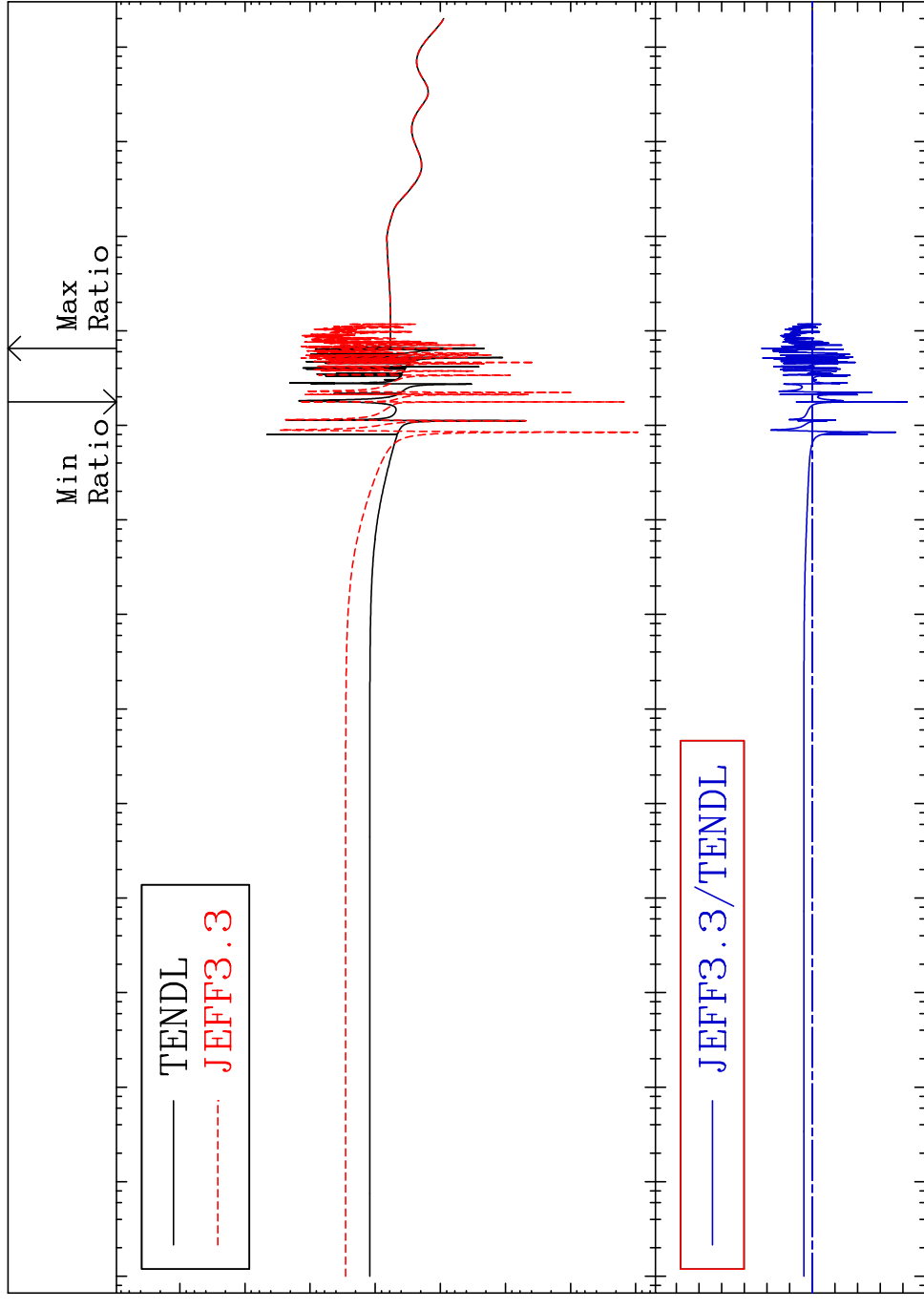
MAT 5067

Elastic

50-Sn-126

Cross Section

-99.99 To 9999. %



Cross Section (barns)  
 $10^4$   
 $10^3$   
 $10^2$   
 $10^1$   
 $10^0$   
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$   
Ratio  
 $10^3$   
 $10^0$   
 $10^{-3}$

$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

Incident Energy (eV)

50-Sn-126

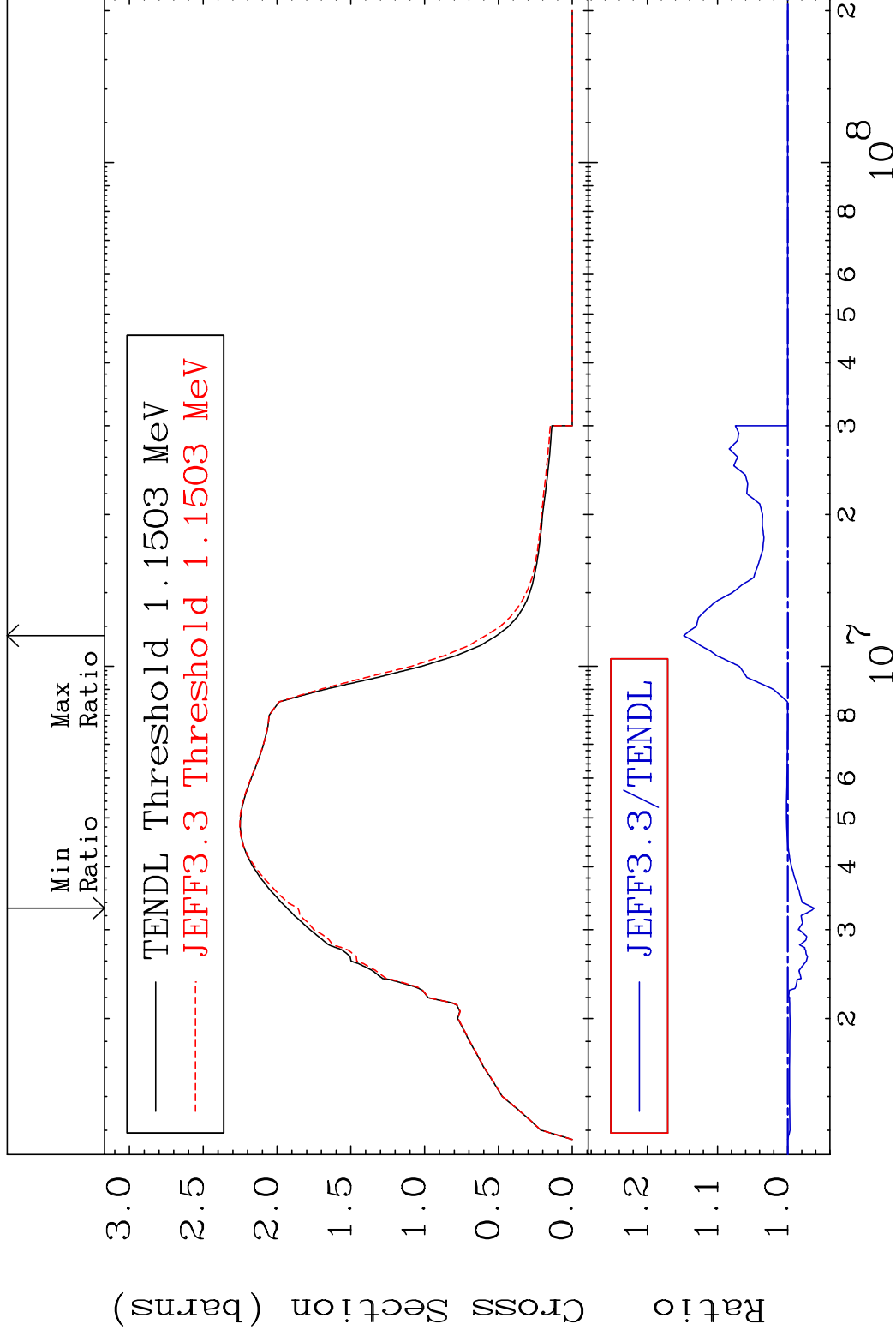
2

MAT 5067

Inelastic

50-Sn-126

Cross Section -3.757 To 14.82 %

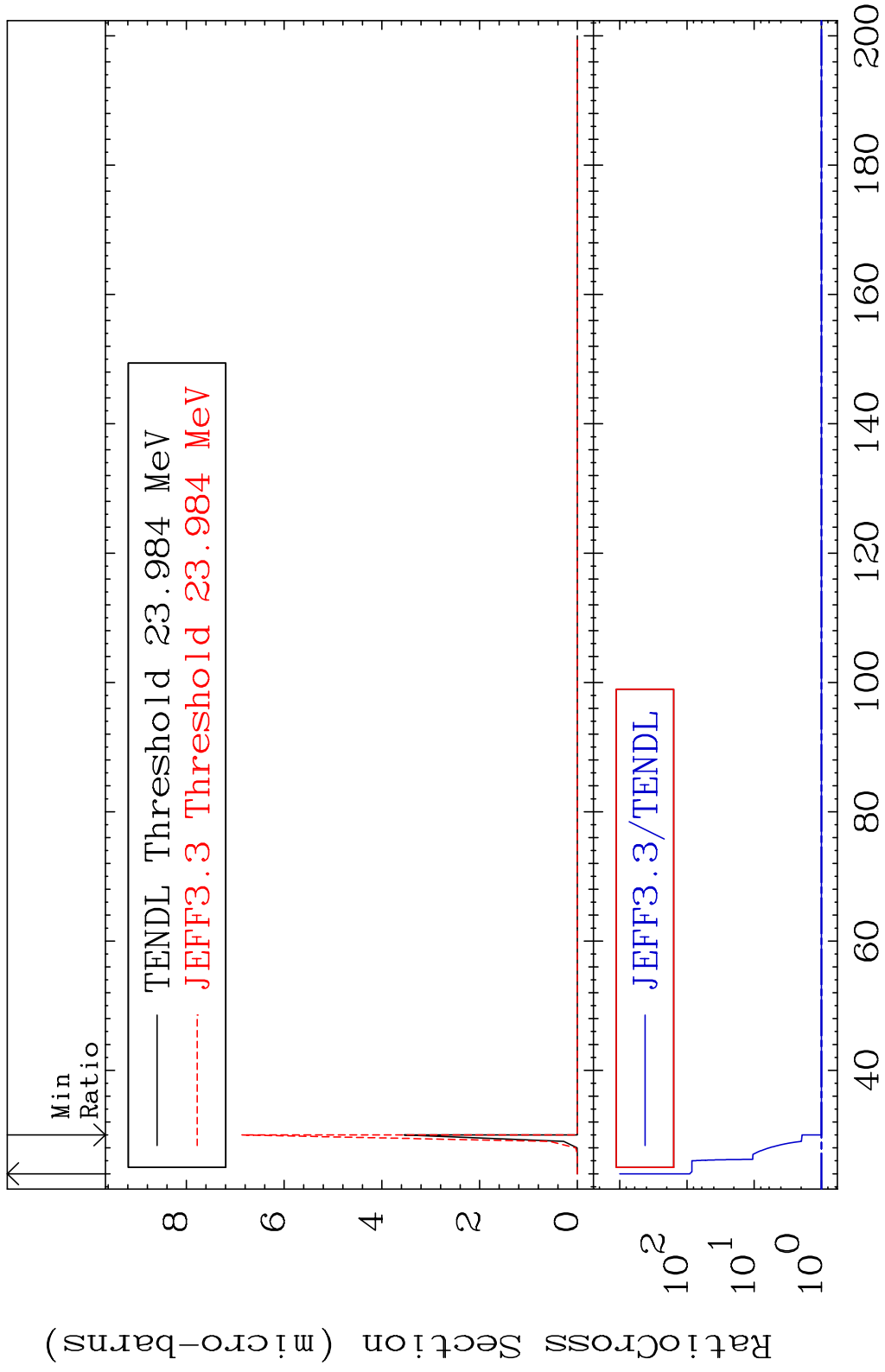


3

Incident Energy (eV)

50-Sn-126

MAT 5067 (n,2n) d 50-Sn-126  
 Cross Section 0.000 To 8987. %



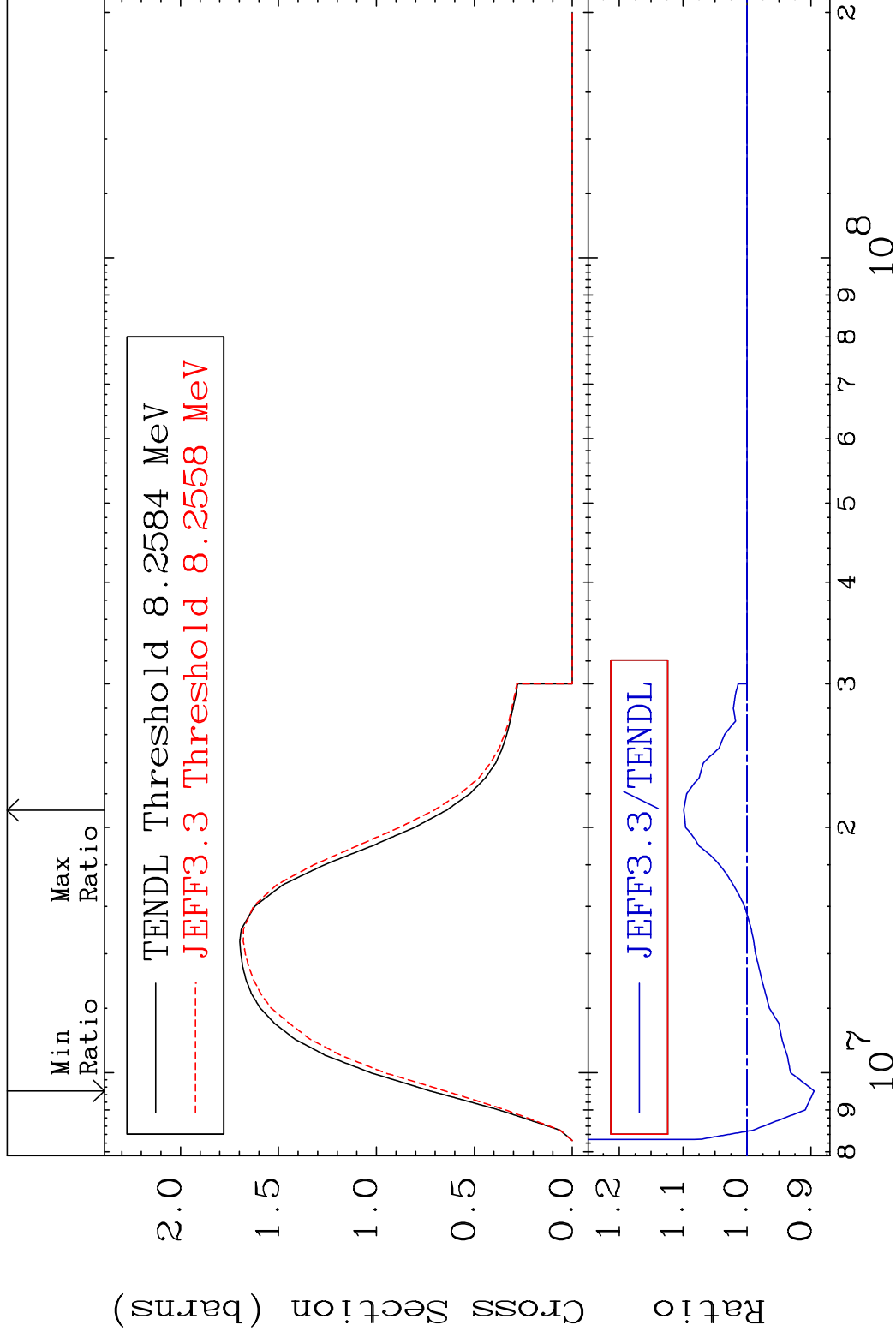
4 Incident Energy (MeV) 50-Sn-126

MAT 5067

(n,2n)

50-Sn-126

Cross Section -10.51 To 9.909 %



5

Incident Energy (eV)

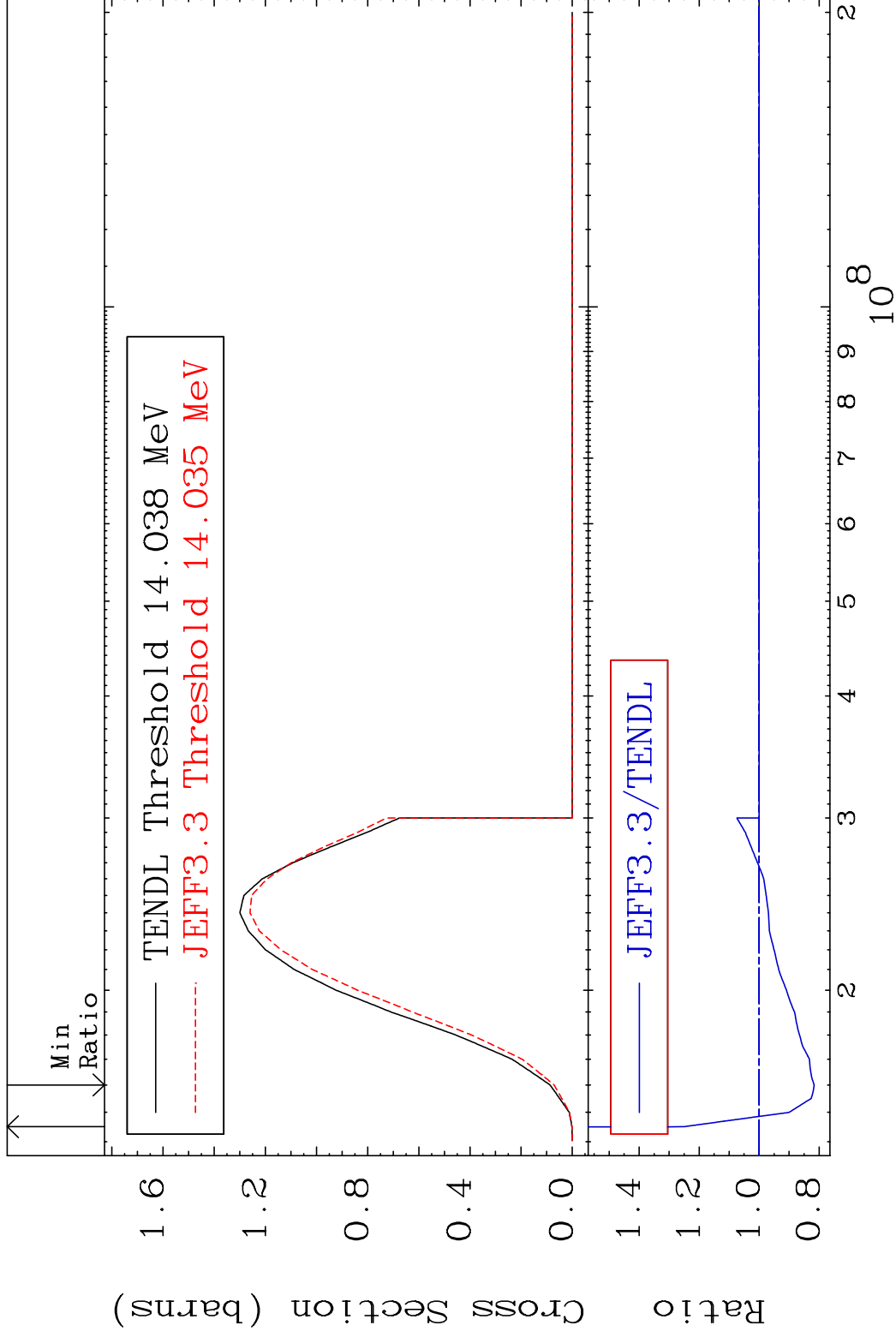
50-Sn-126

MAT 5067

(n,3n)

50-Sn-126

Cross Section -18.33 To 25.16 %

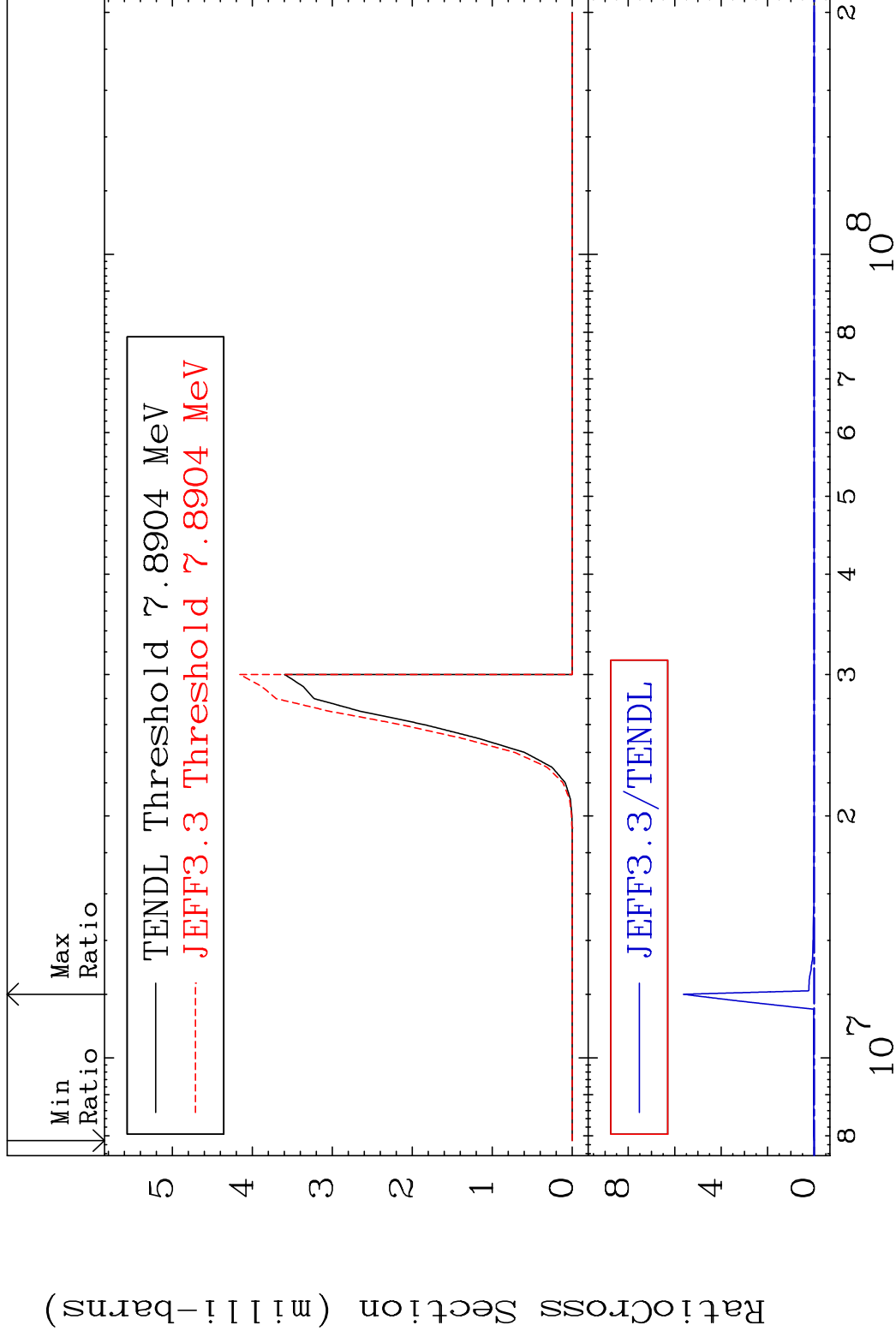


MAT 5067

(n, n')  $\alpha$

50-Sn-126

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

50-Sn-126

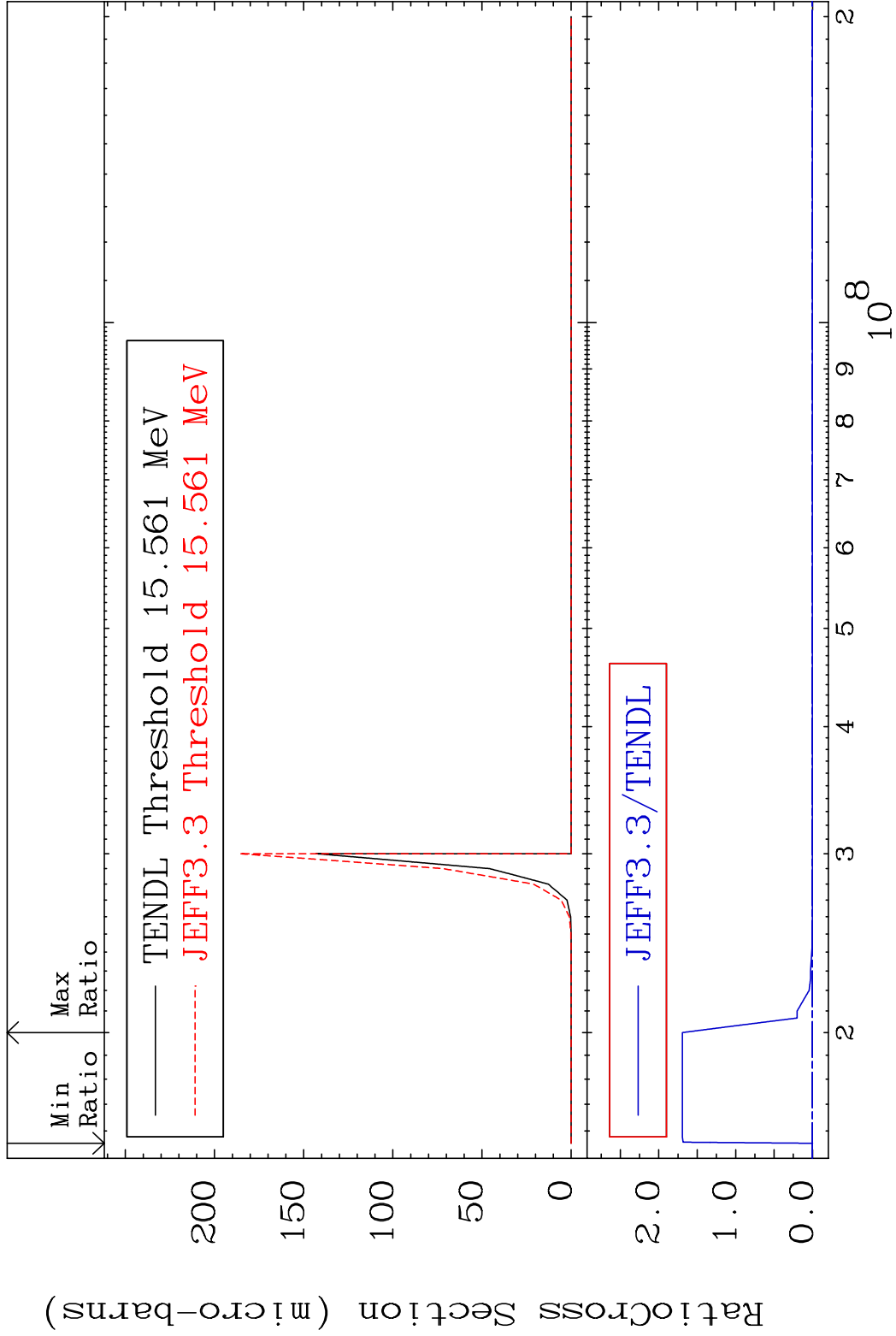


MAT 5067

(n,2n)  $\alpha$

50-Sn-126

Cross Section -100.0 To 9999. %

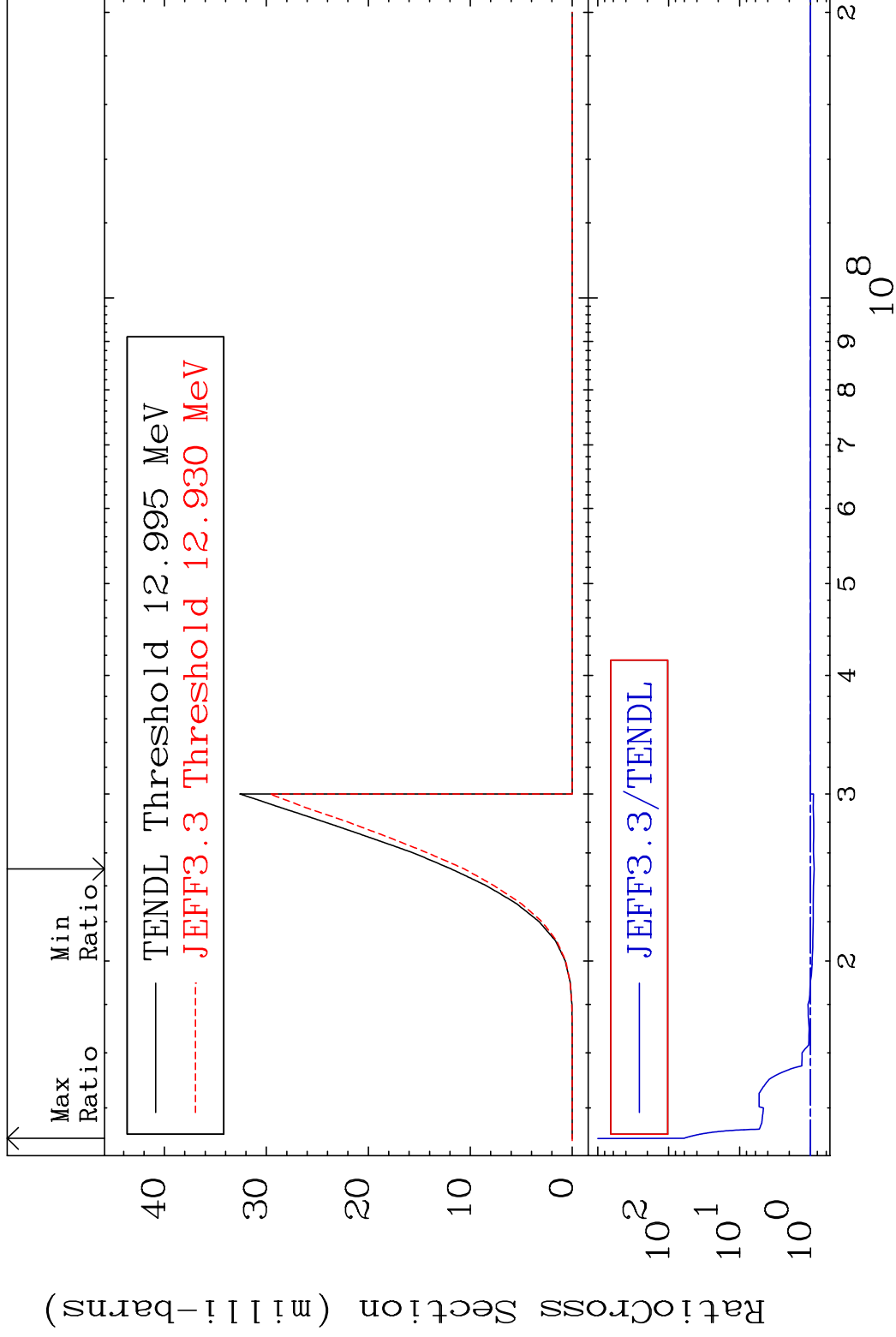


MAT 5067

(n, n') p

50-Sn-126

Cross Section -10.89 To 6042. %

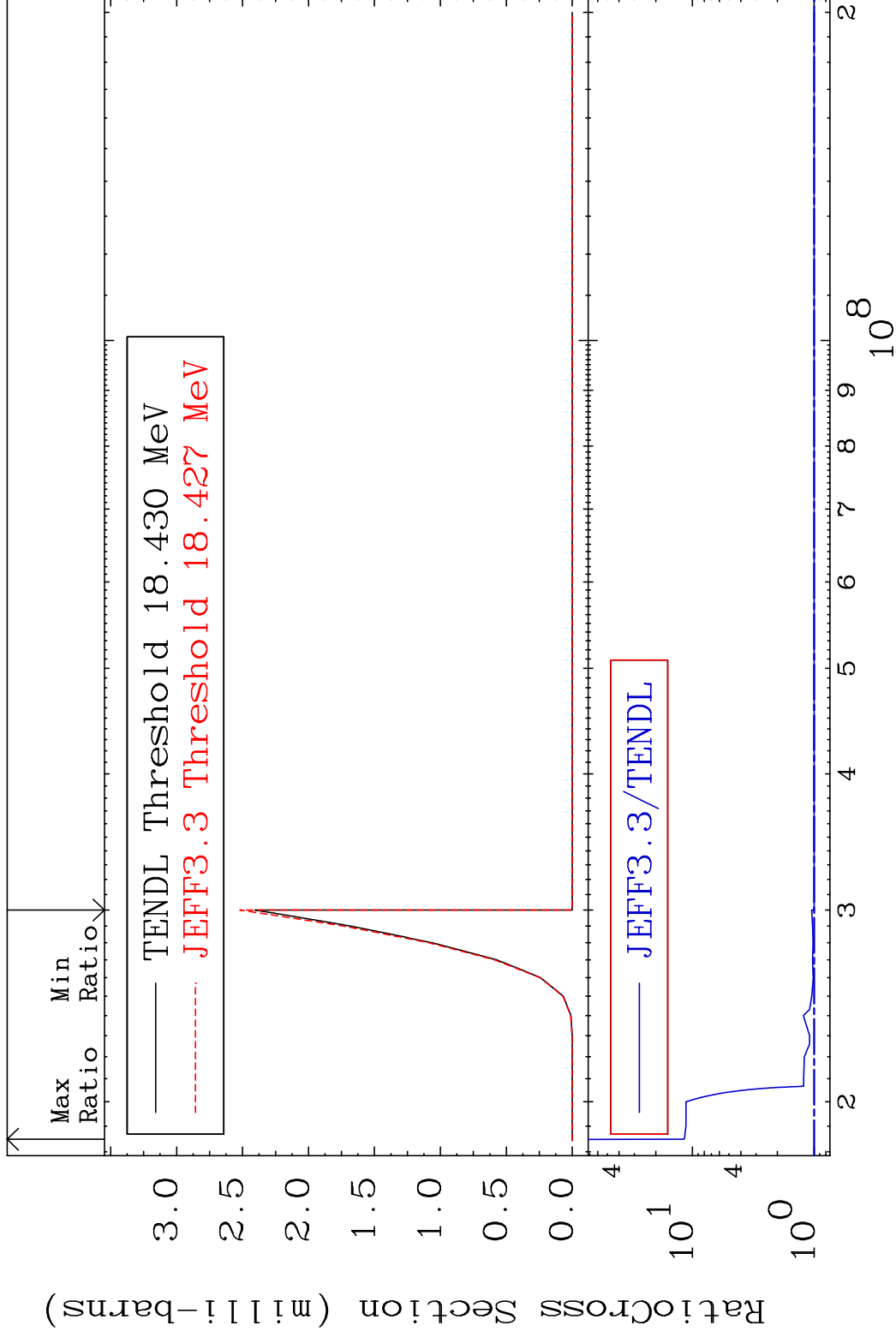


MAT 5067

(n, n') d

50-Sn-126

Cross Section 0.000 To 1080. %



10

Incident Energy (eV)

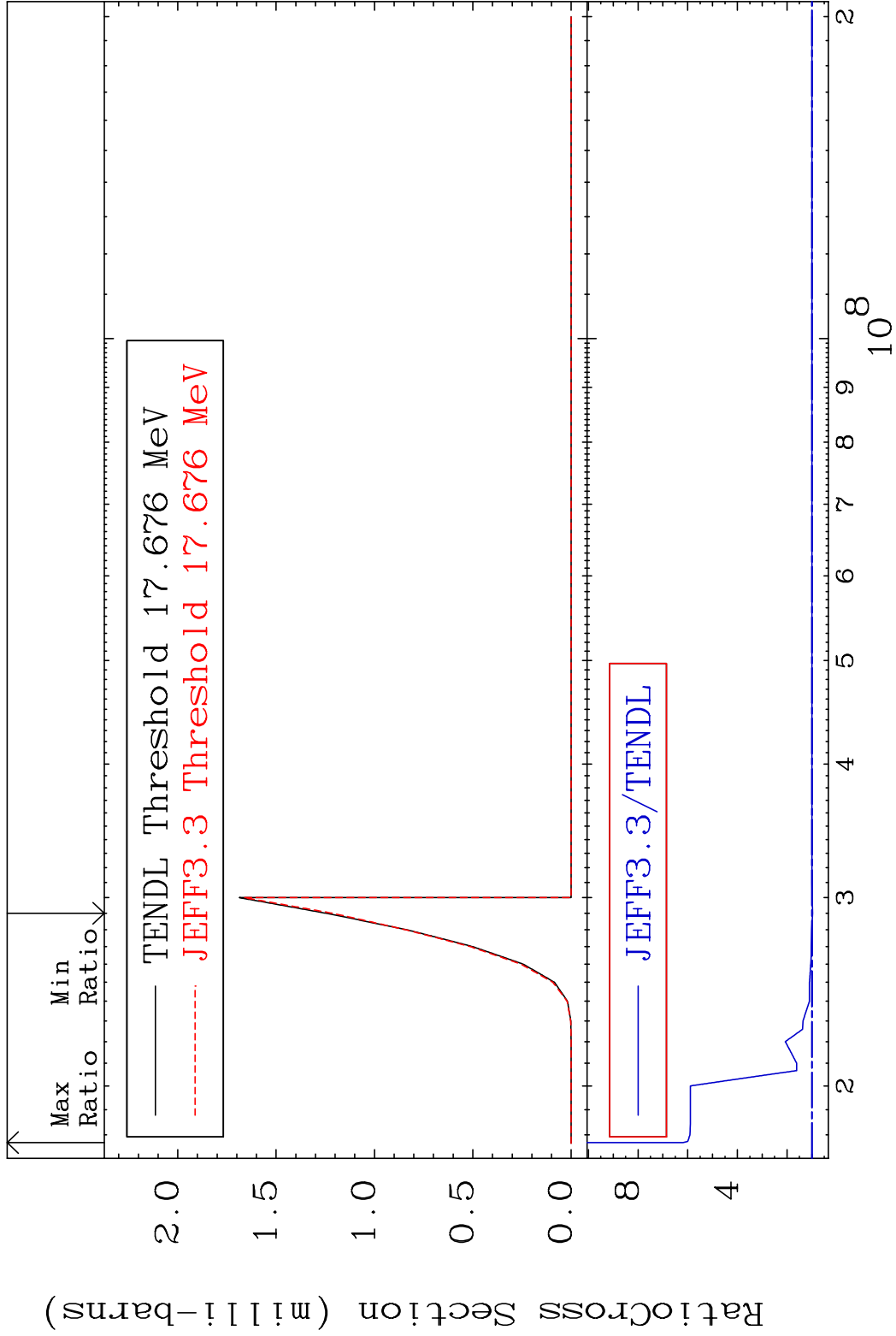
50-Sn-126

MAT 5067

(n, n') t

50-Sn-126

Cross Section -2.682 To 521.6 %

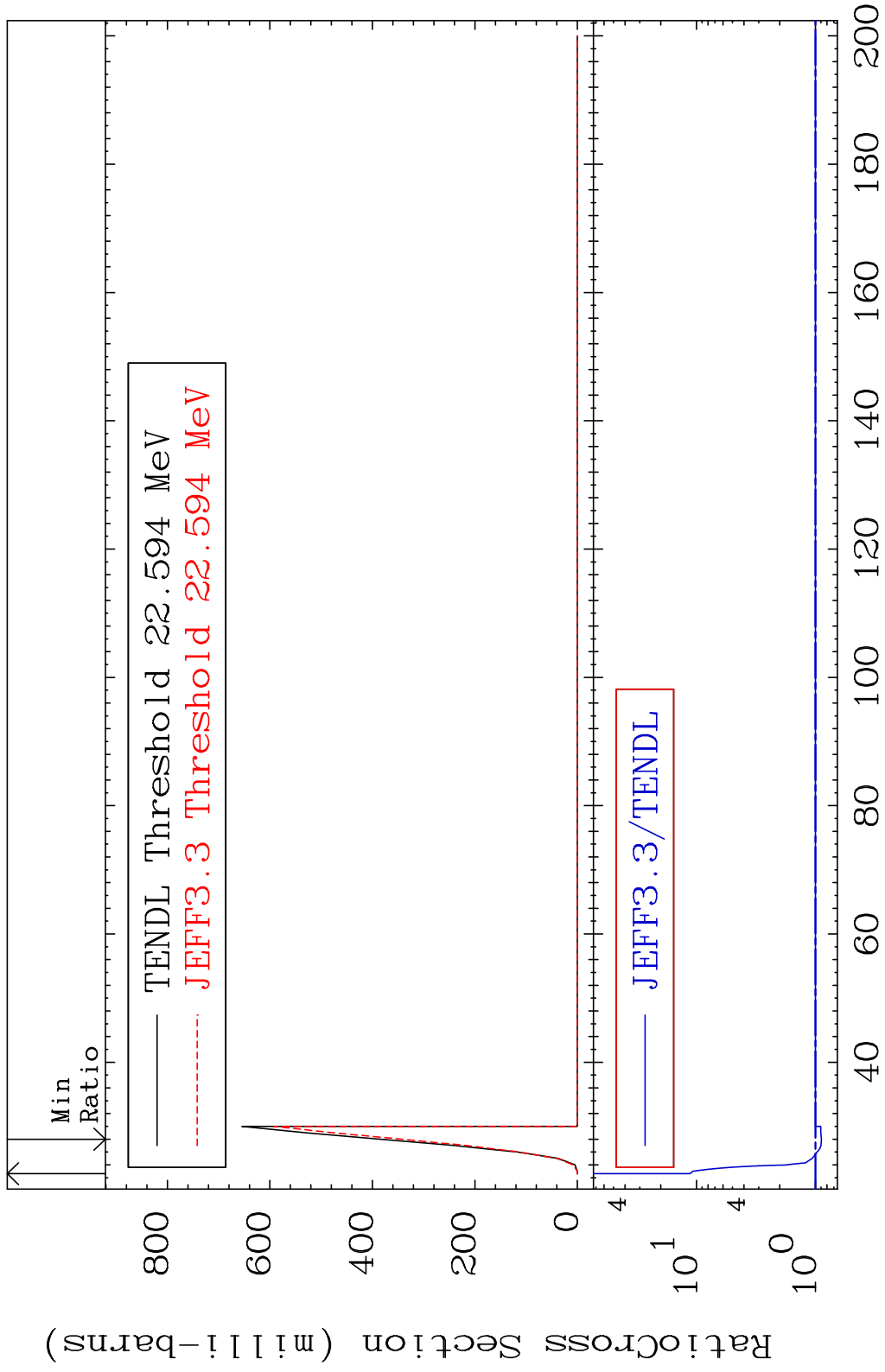


MAT 5067

(n,4n)

50-Sn-126

Cross Section -10.78 To 1041. %

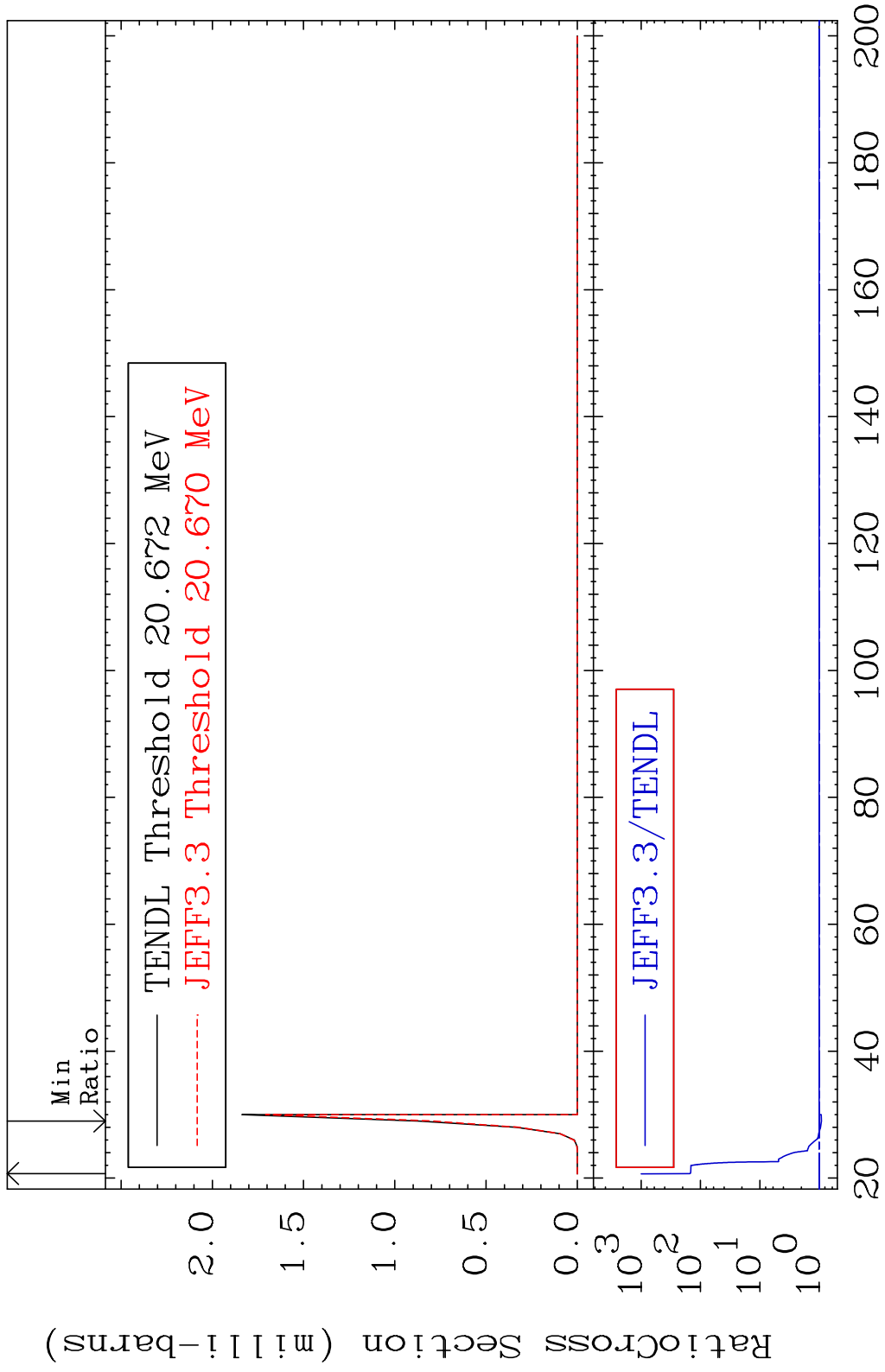


MAT 5067

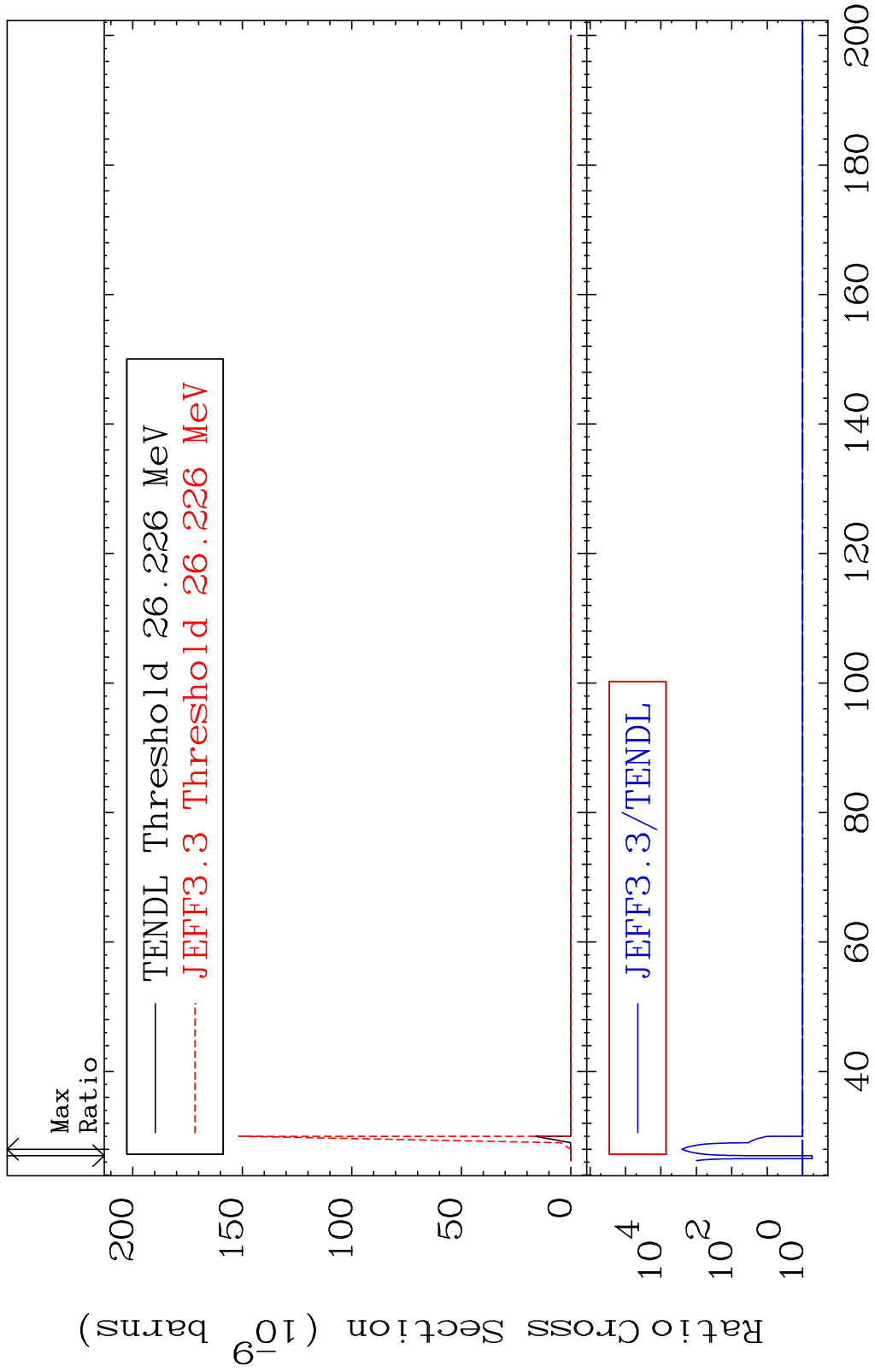
(n,2n) p

50-Sn-126

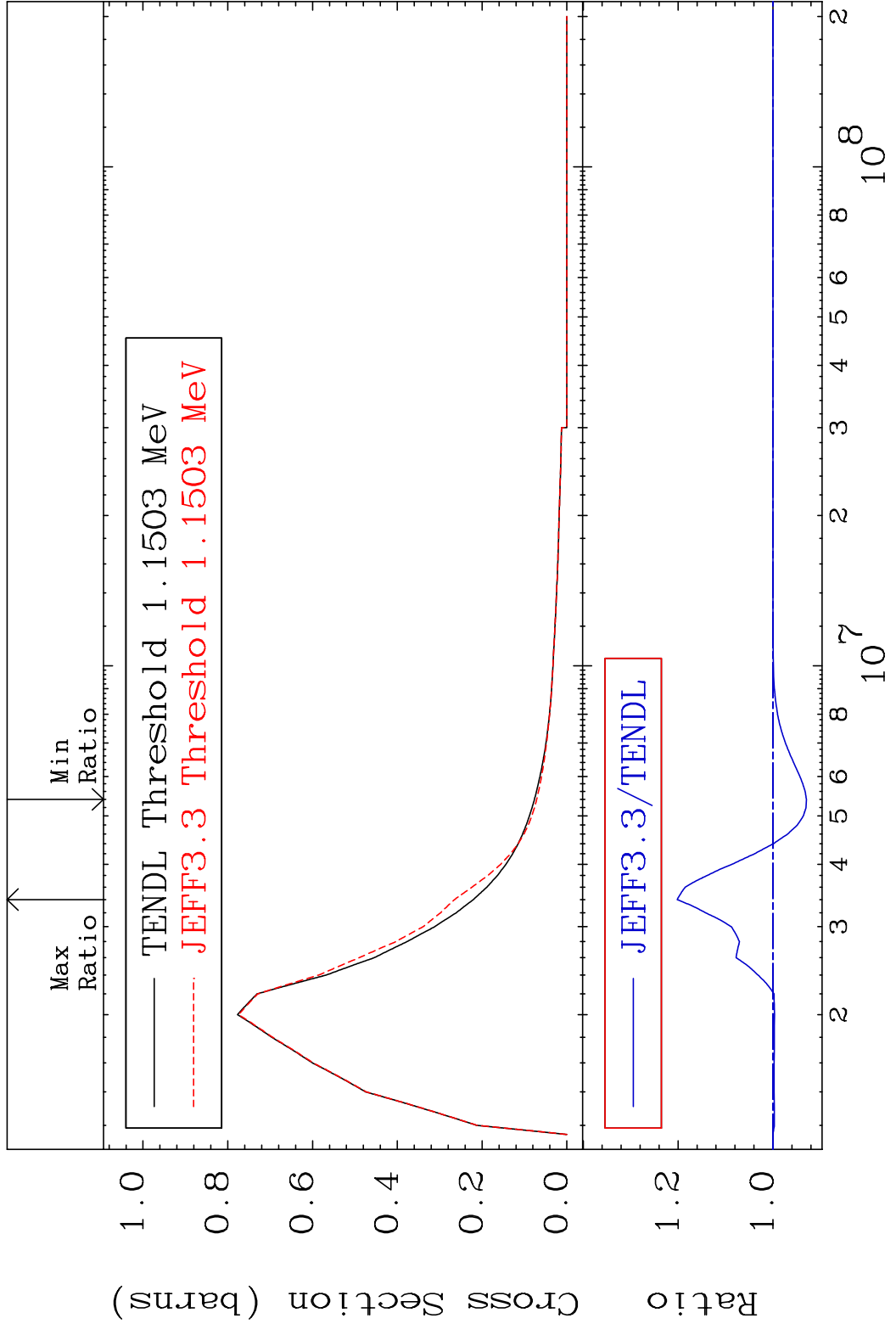
Cross Section -8.122 To 9999. %



MAT 5067 (n,3n) p 50-Sn-126  
 Cross Section -46.10 To 9999. %

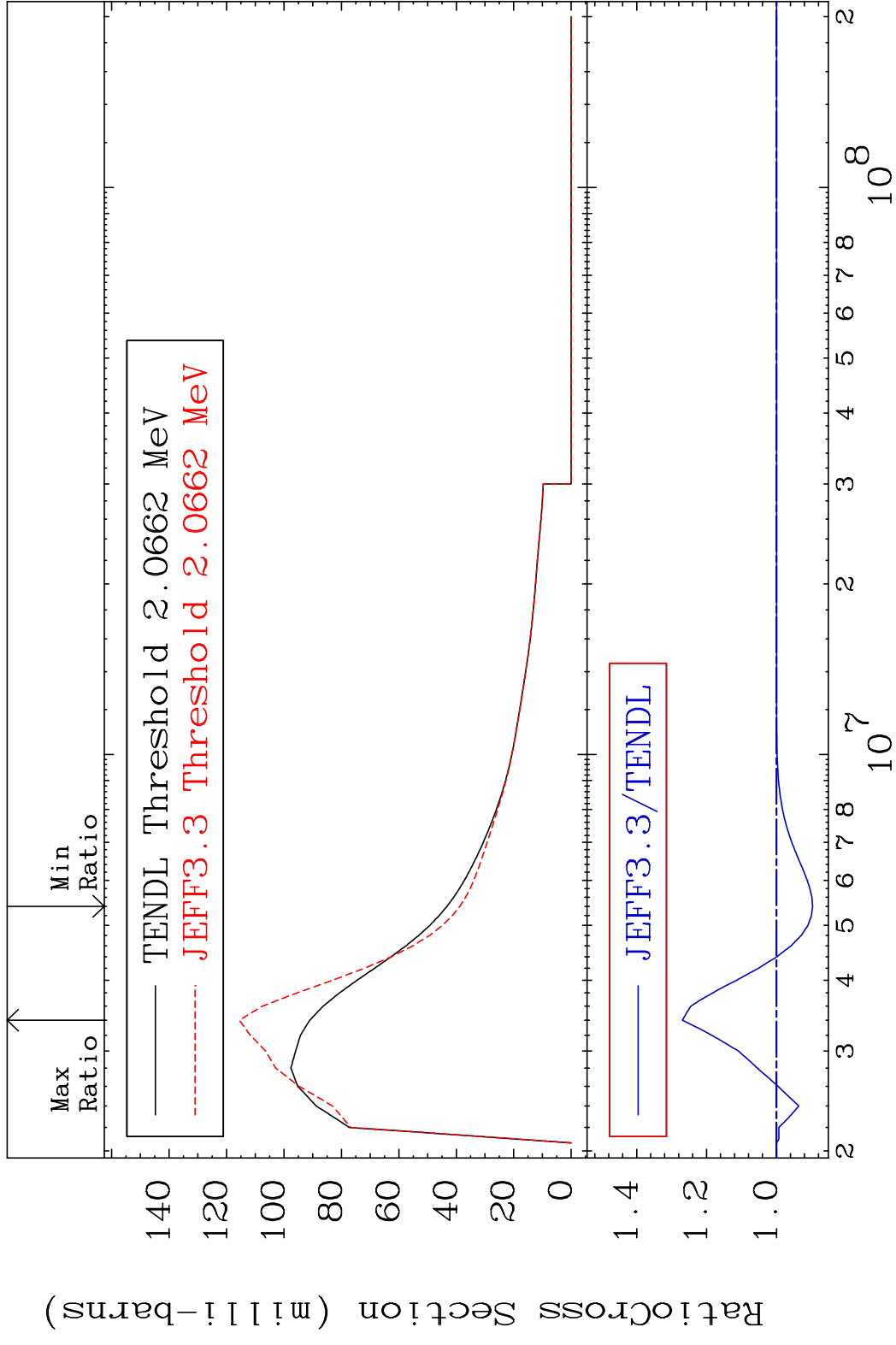


MAT 5067 MT= 51 (n, n') Level 50-Sn-126  
 Cross Section -7.058 To 20.19 %

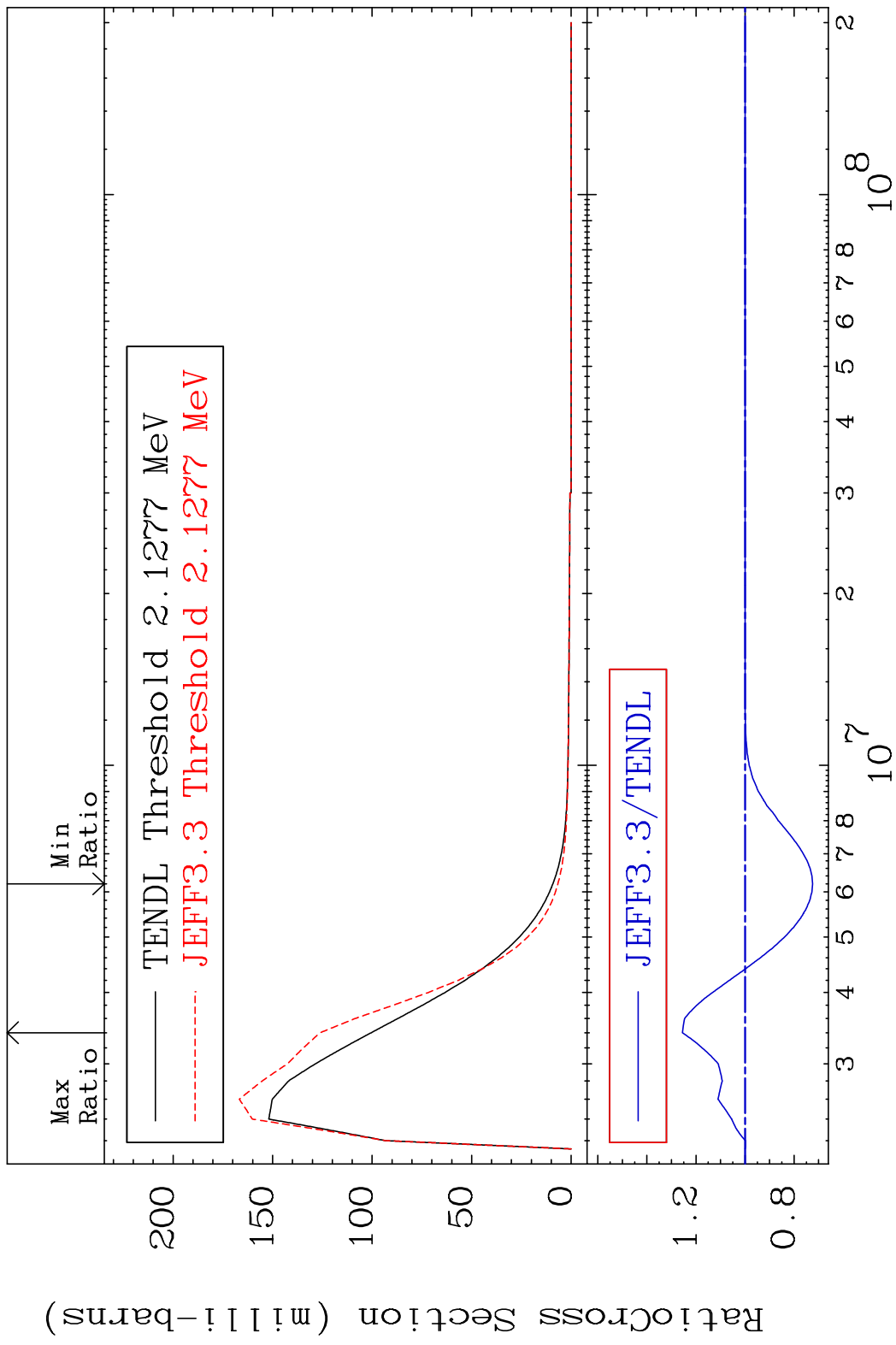




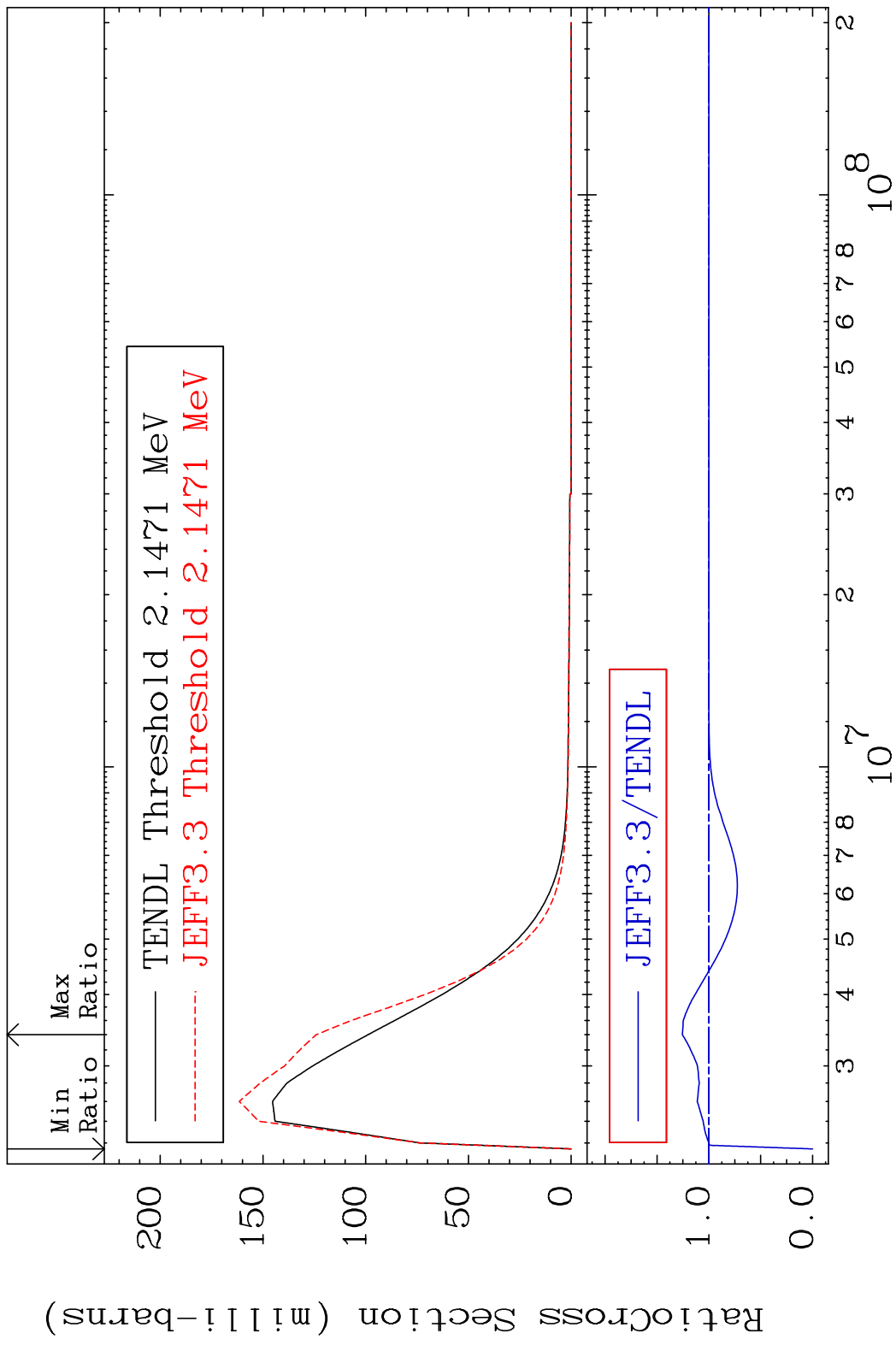
MAT 5067 MT= 52 (n, n') Level 50-Sn-126  
 Cross Section -10.32 To 26.94 %



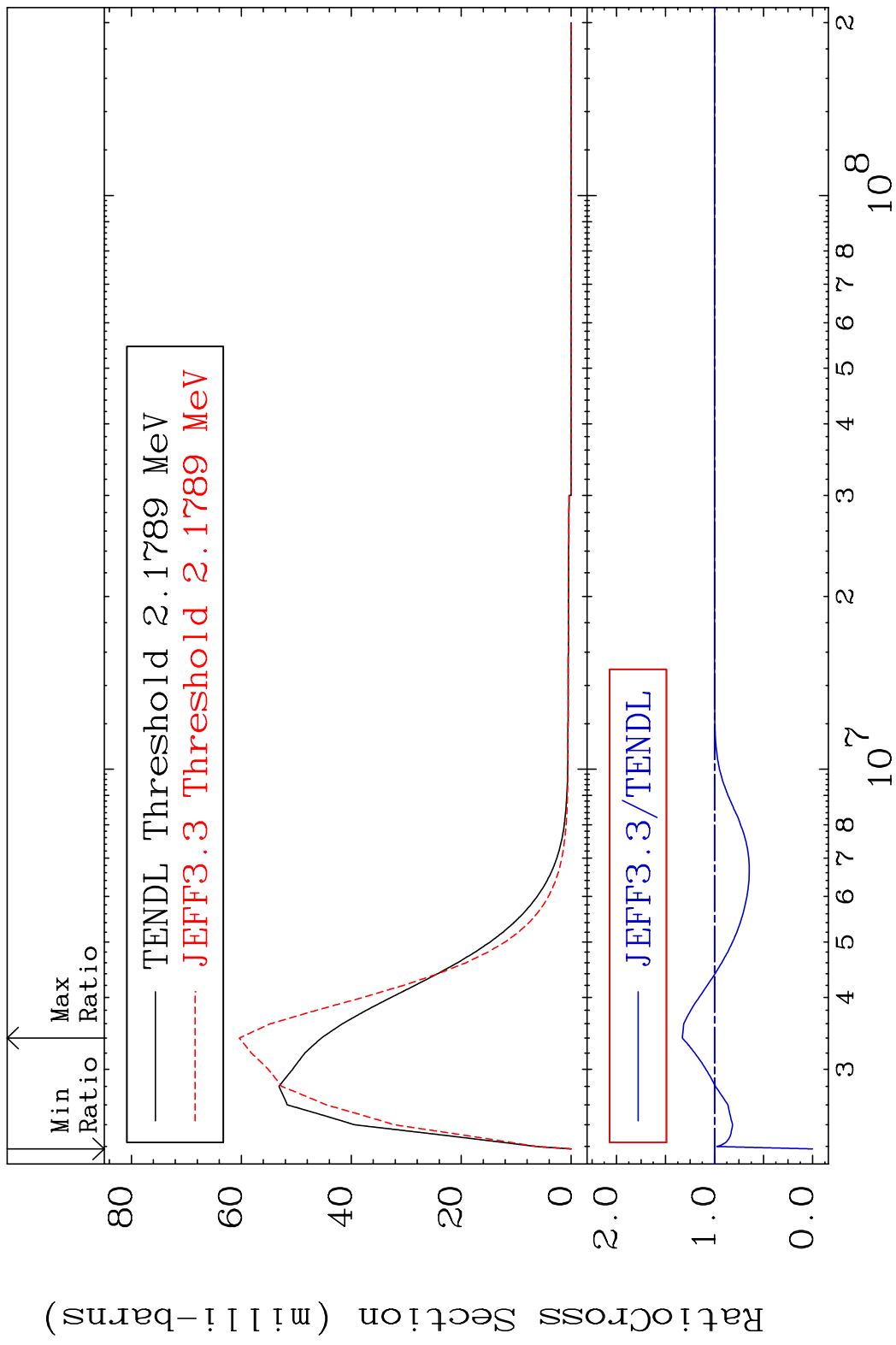
MAT 5067 MT= 53 (n, n') Level 50-Sn-126  
 Cross Section -27.52 To 25.55 %



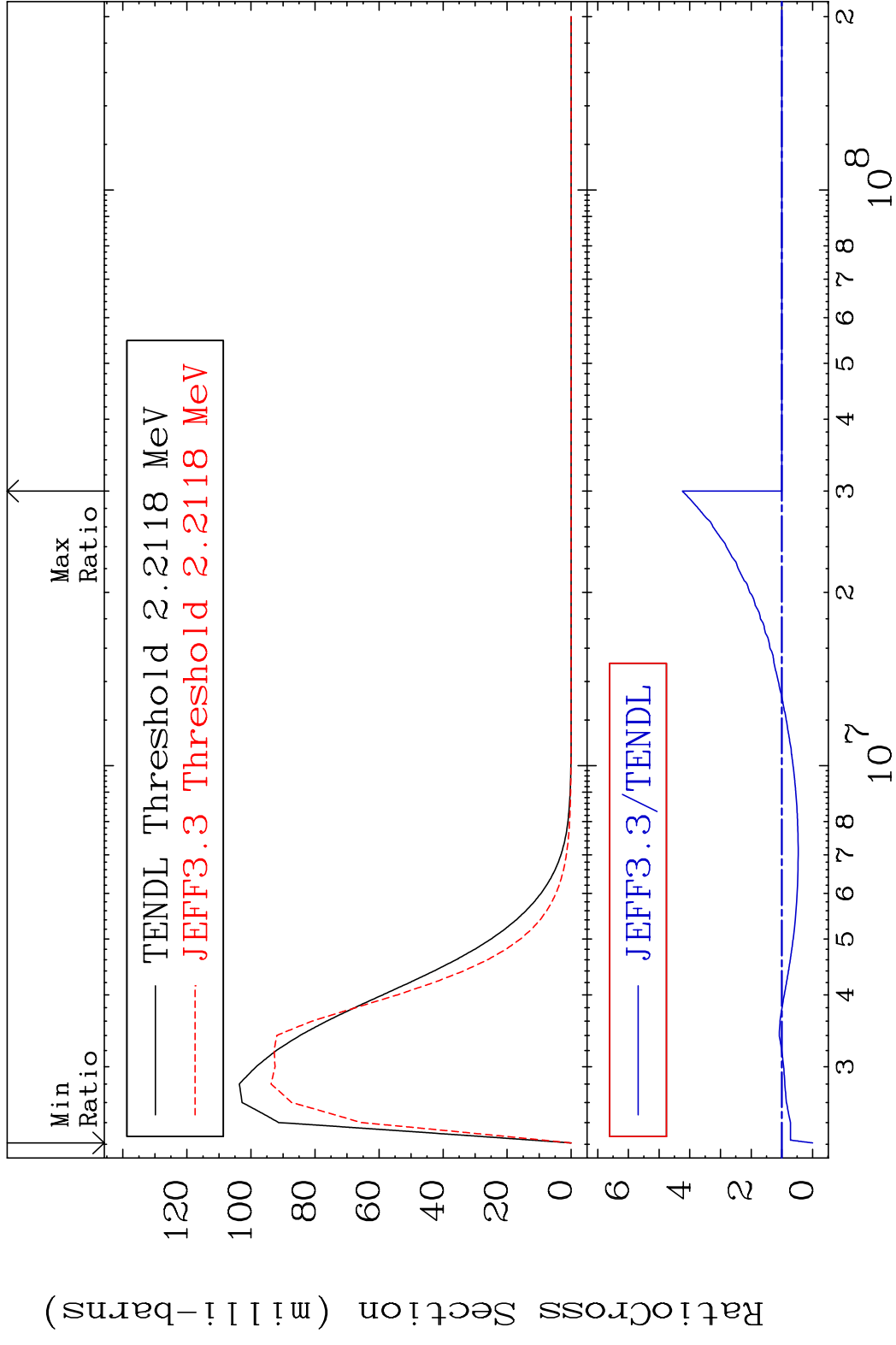
MAT 5067 MT= 54 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 25.54 %



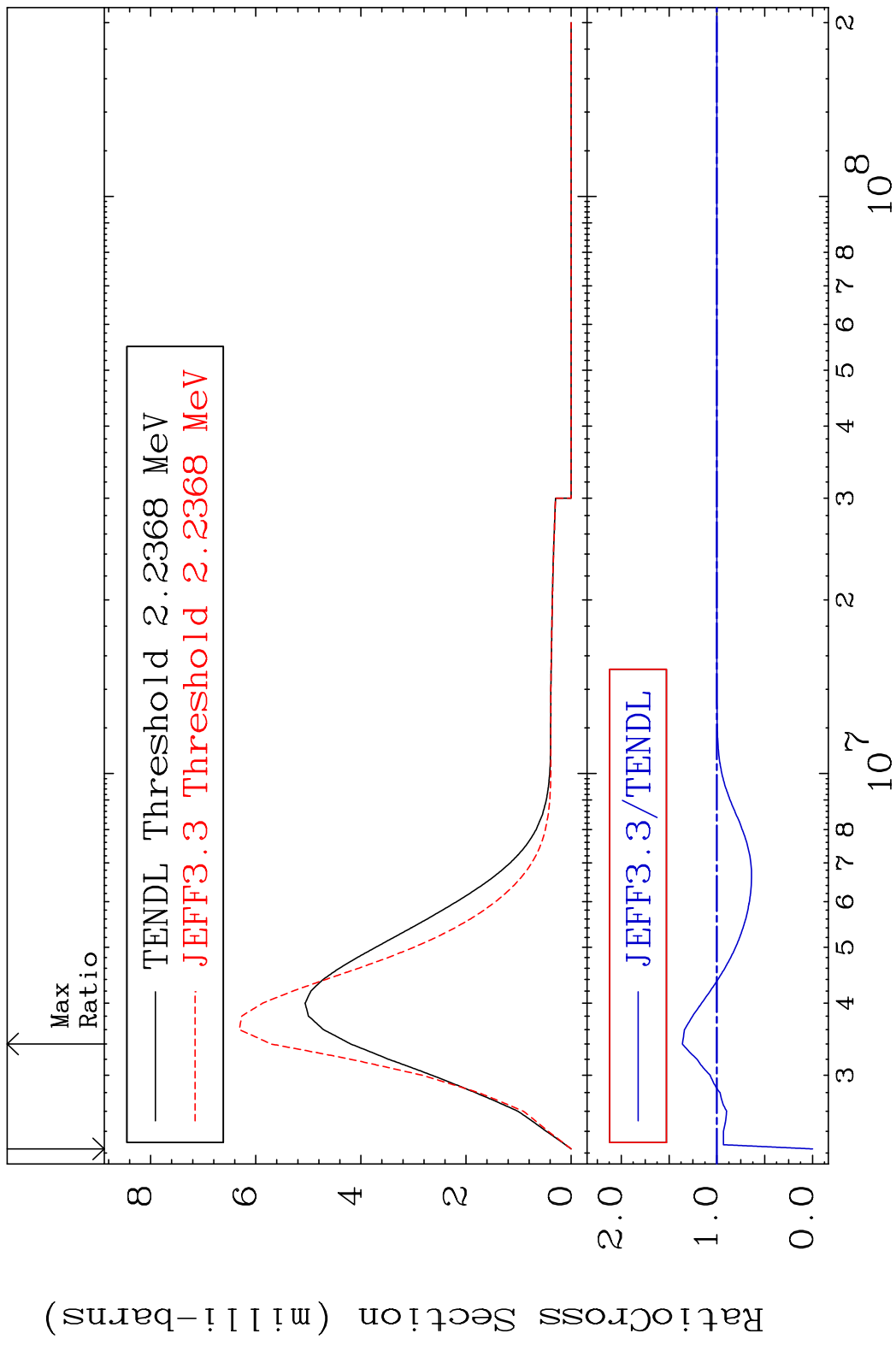
MAT 5067 MT= 55 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 32.84 %



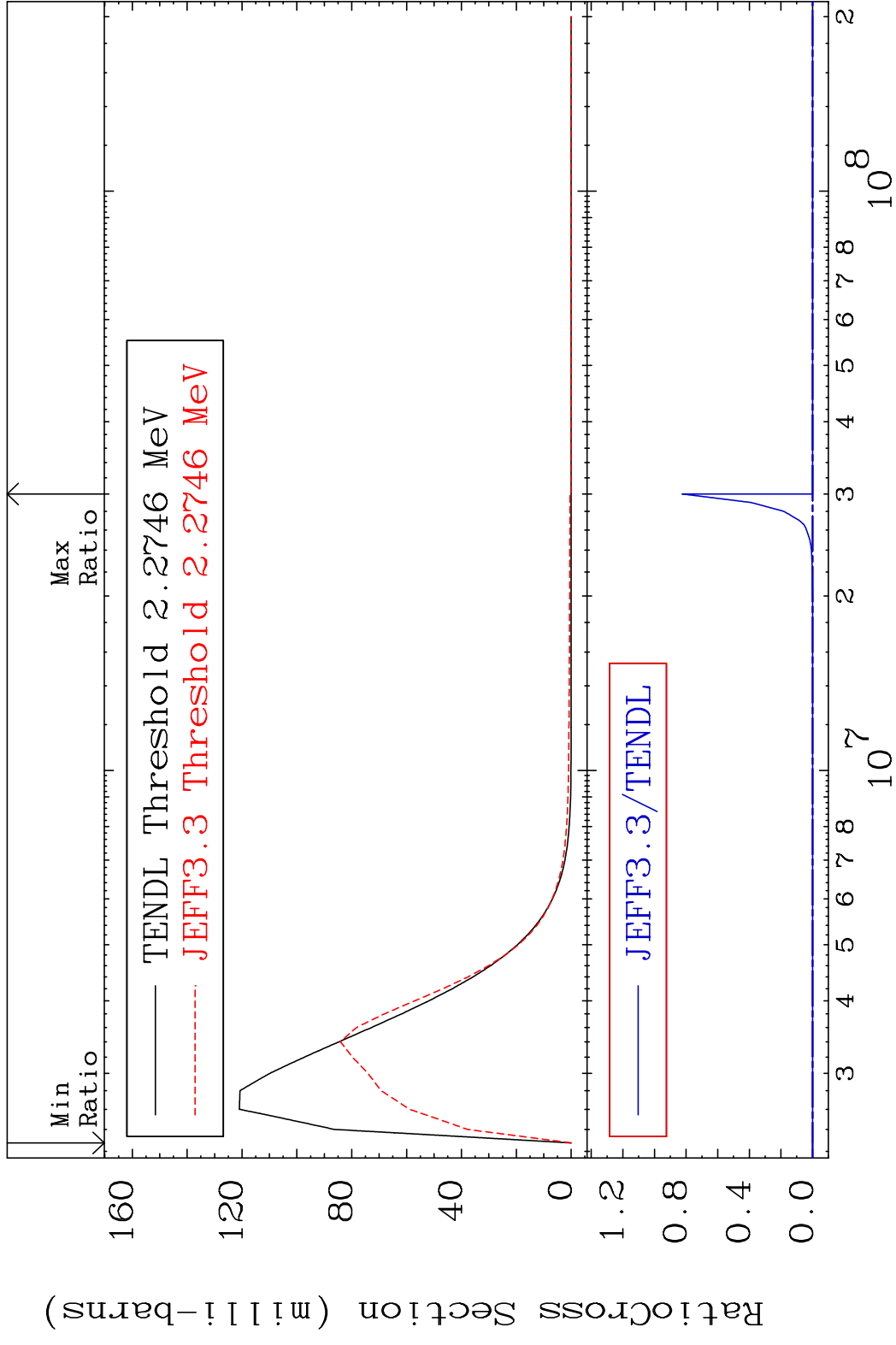
MAT 5067 MT= 56 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 324.2 %



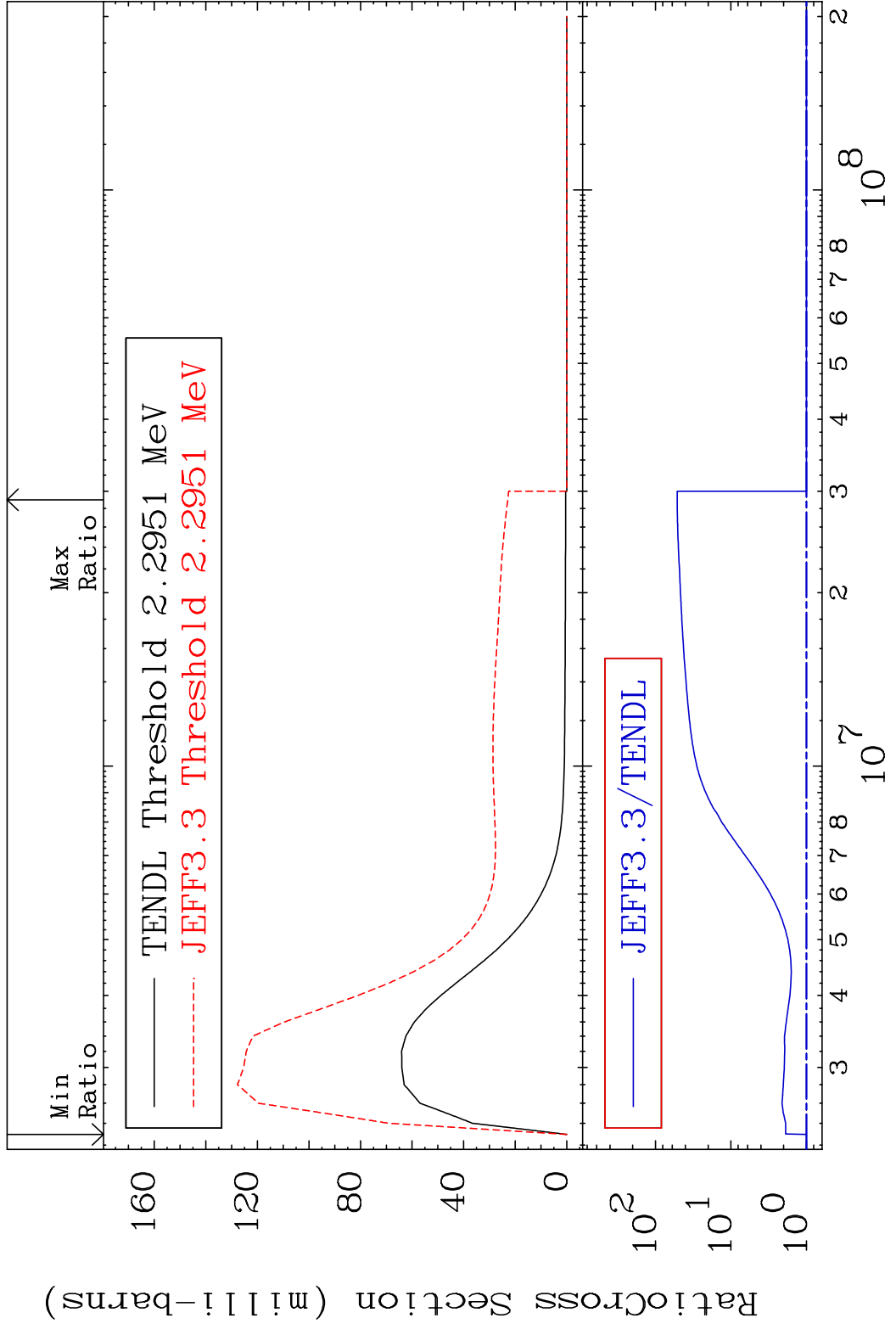
MAT 5067 MT= 57 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 36.09 %



MAT 5067 MT= 58 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %

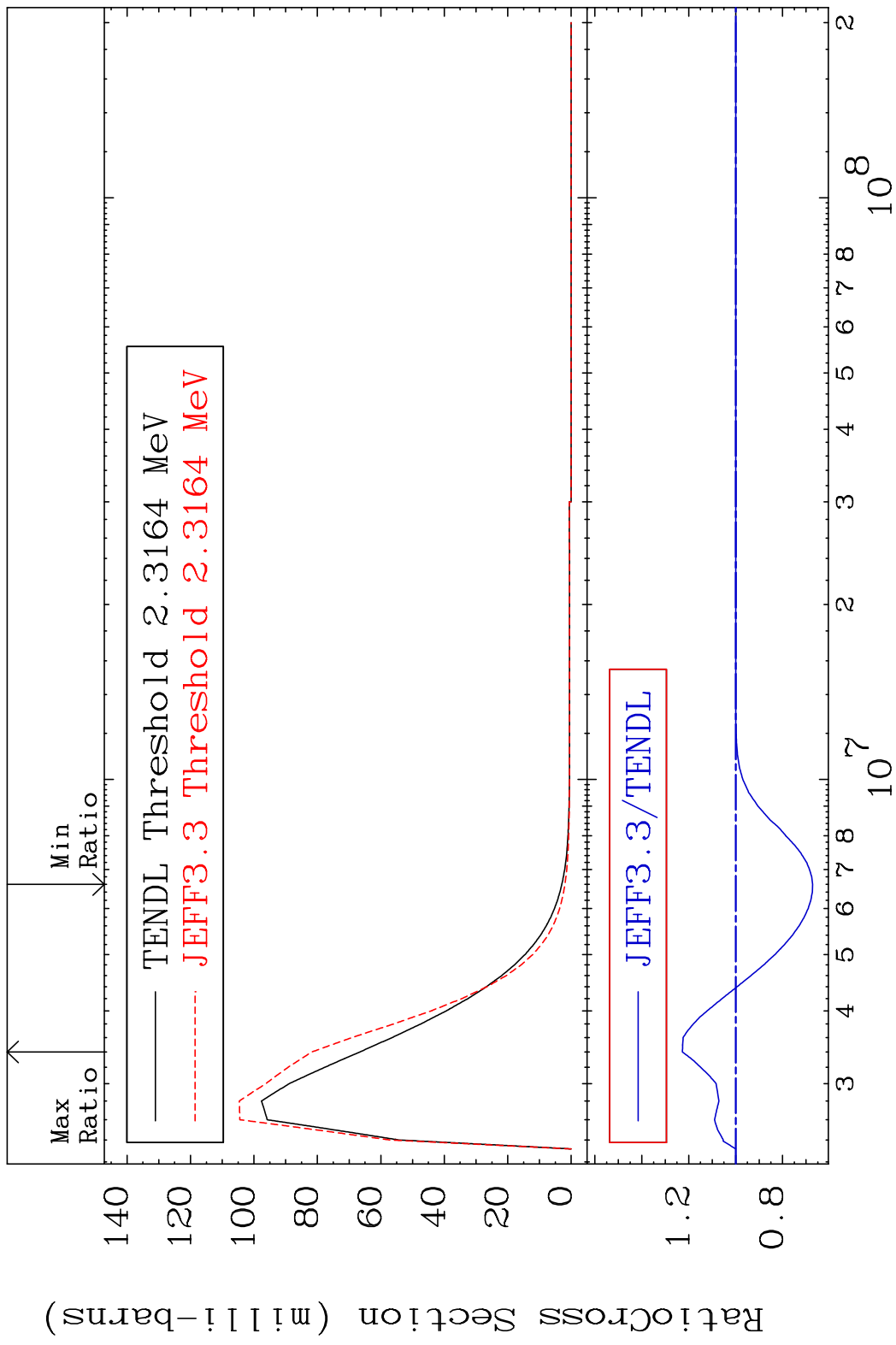


MAT 5067 MT= 59 (n, n') Level 50-Sn-126  
 Cross Section 0.000 To 5043. %

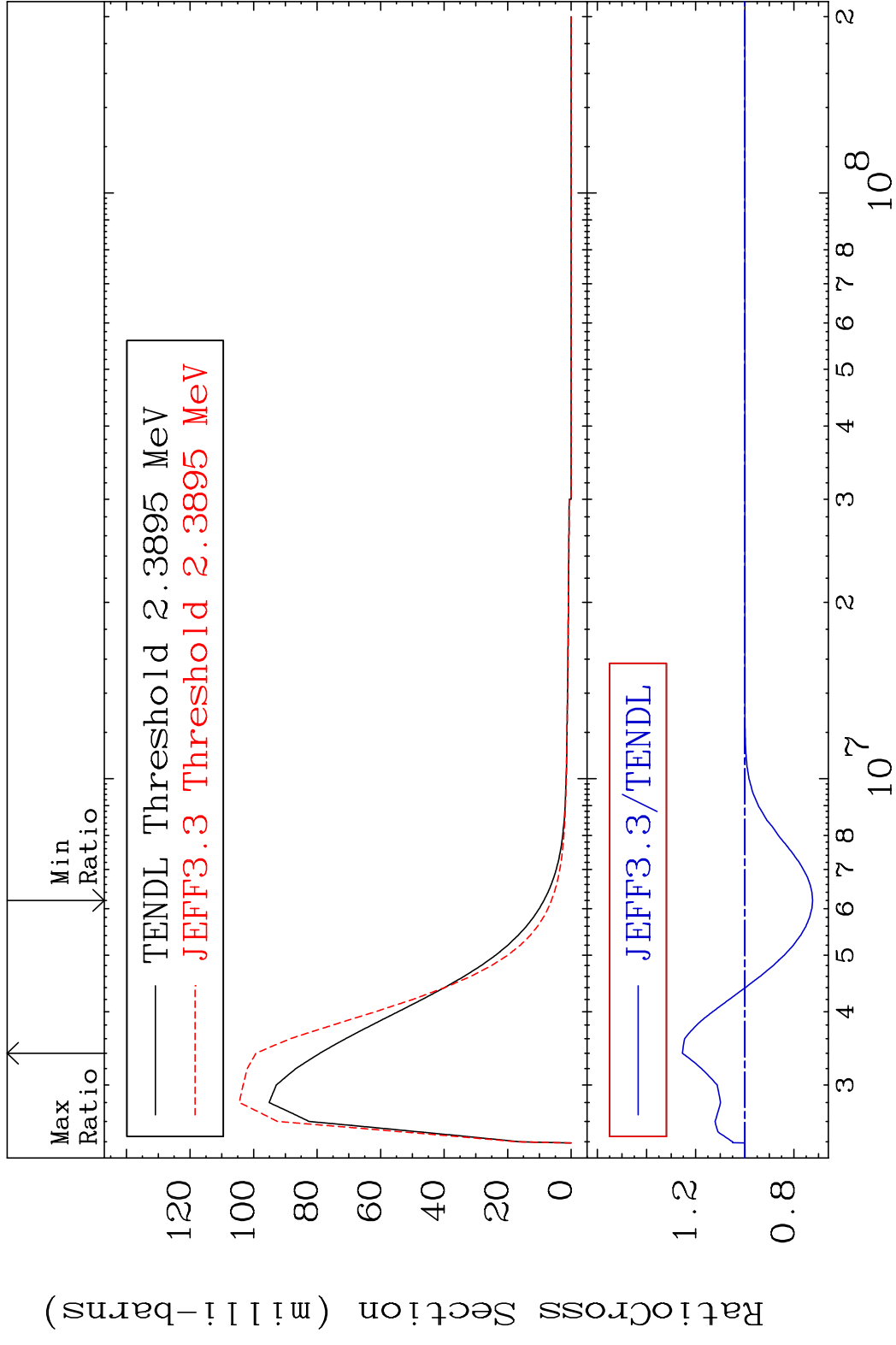




MAT 5067 MT= 60 (n, n') Level 50-Sn-126  
 Cross Section -32.77 To 22.72 %

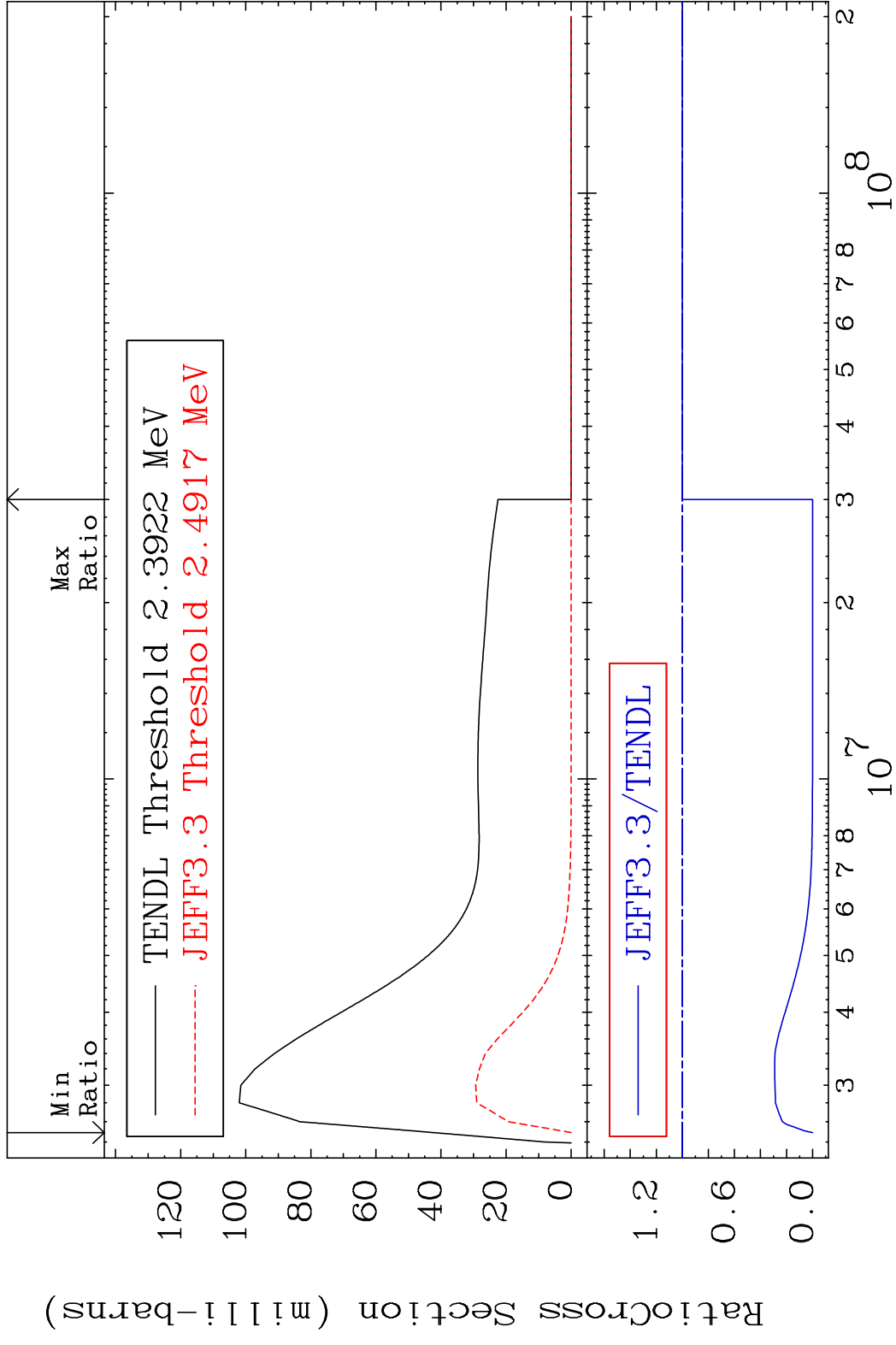


MAT 5067 MT= 61 (n, n') Level 50-Sn-126  
 Cross Section -27.59 To 25.42 %

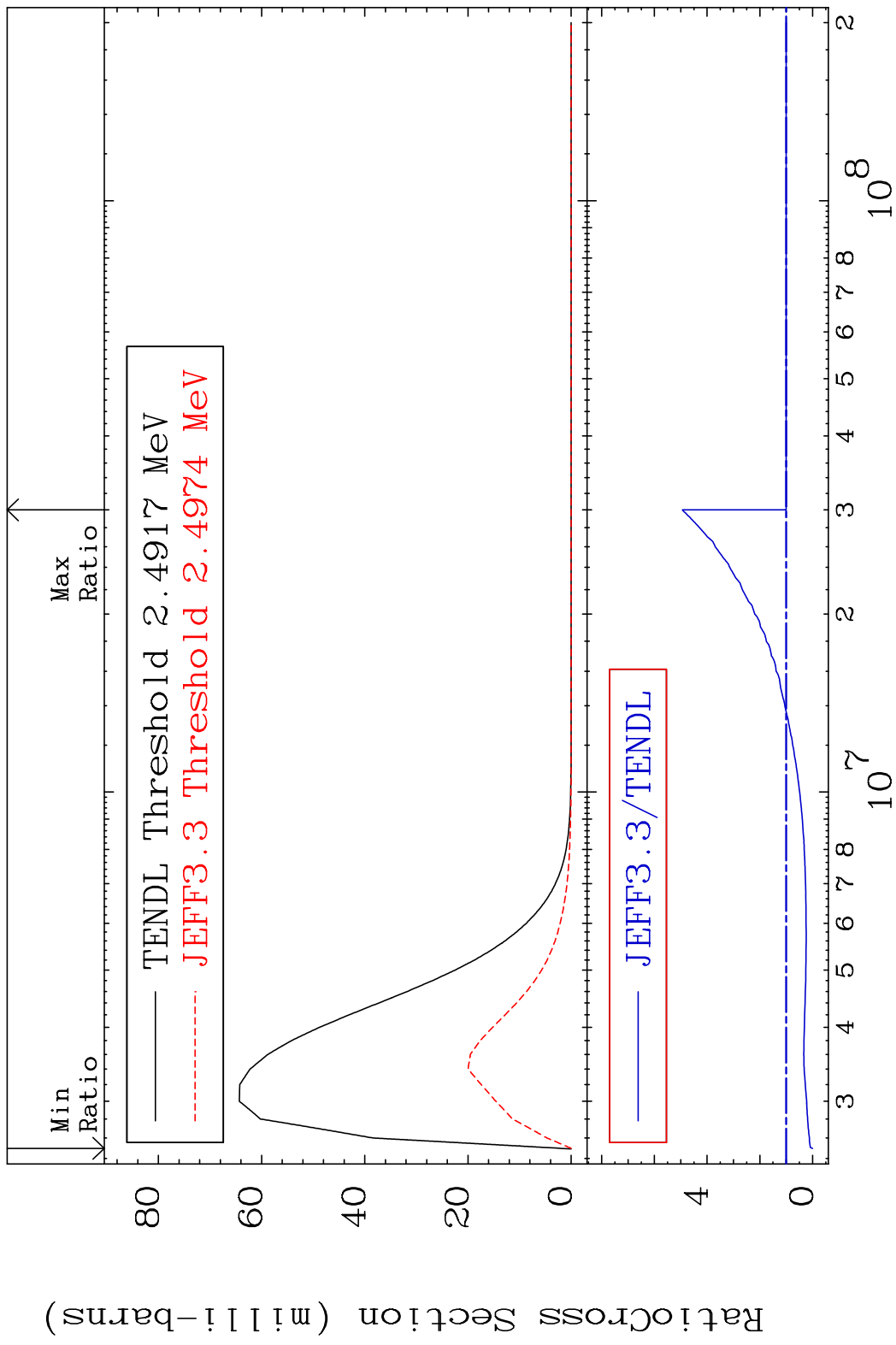


25 Incident Energy (eV) 50-Sn-126

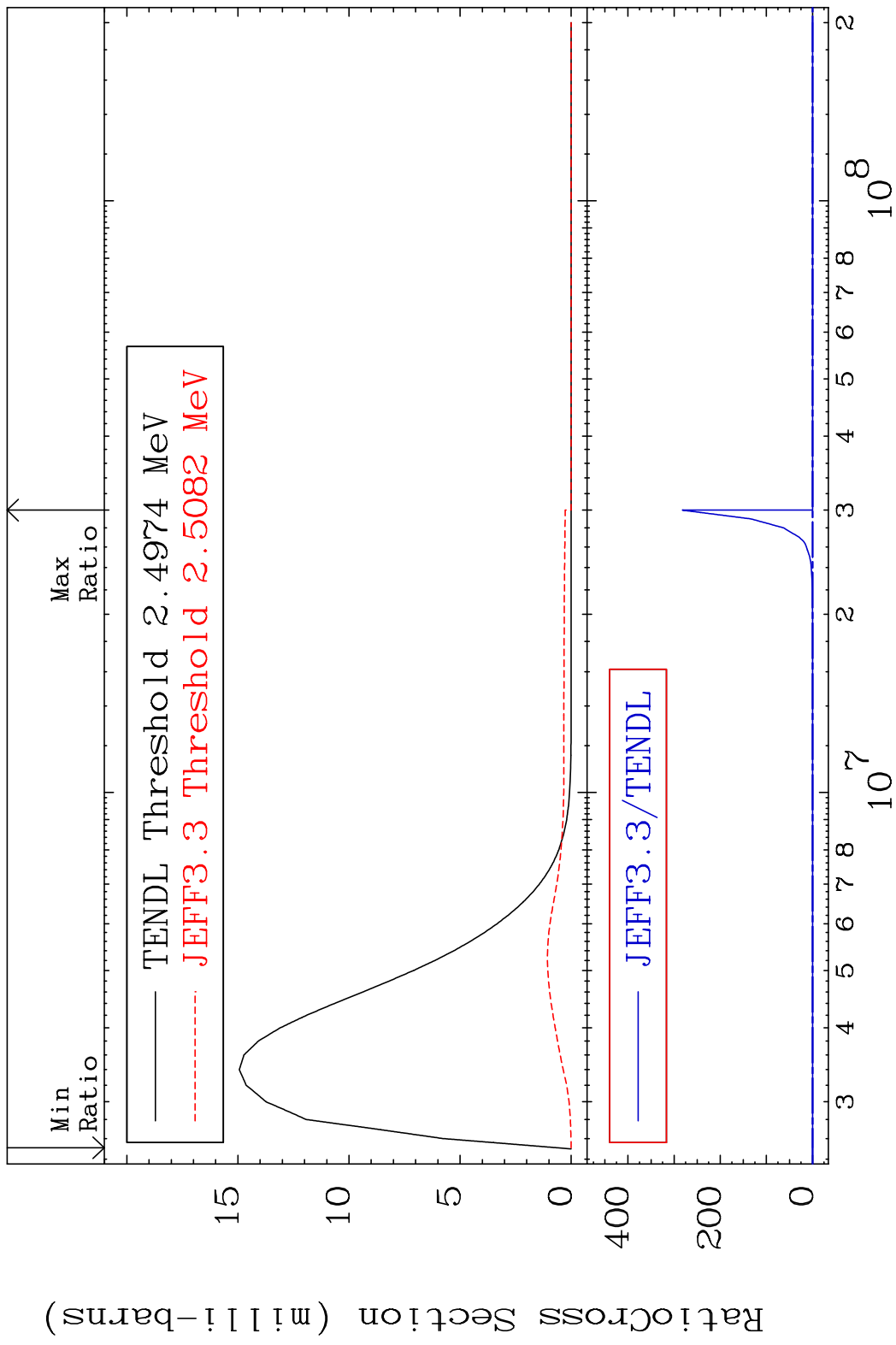
MAT 5067 MT= 62 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %



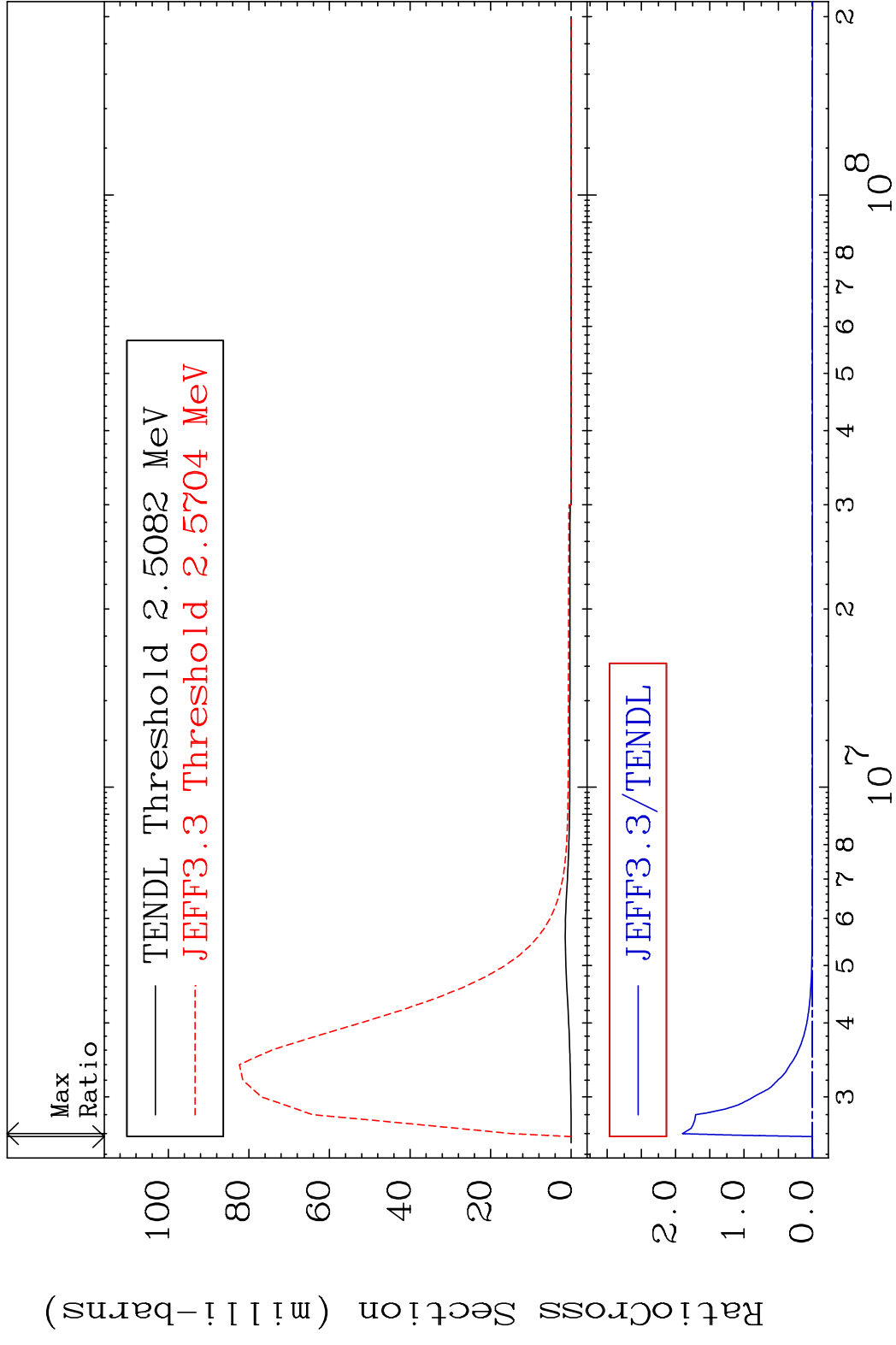
MAT 5067 MT= 63 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 394.0 %



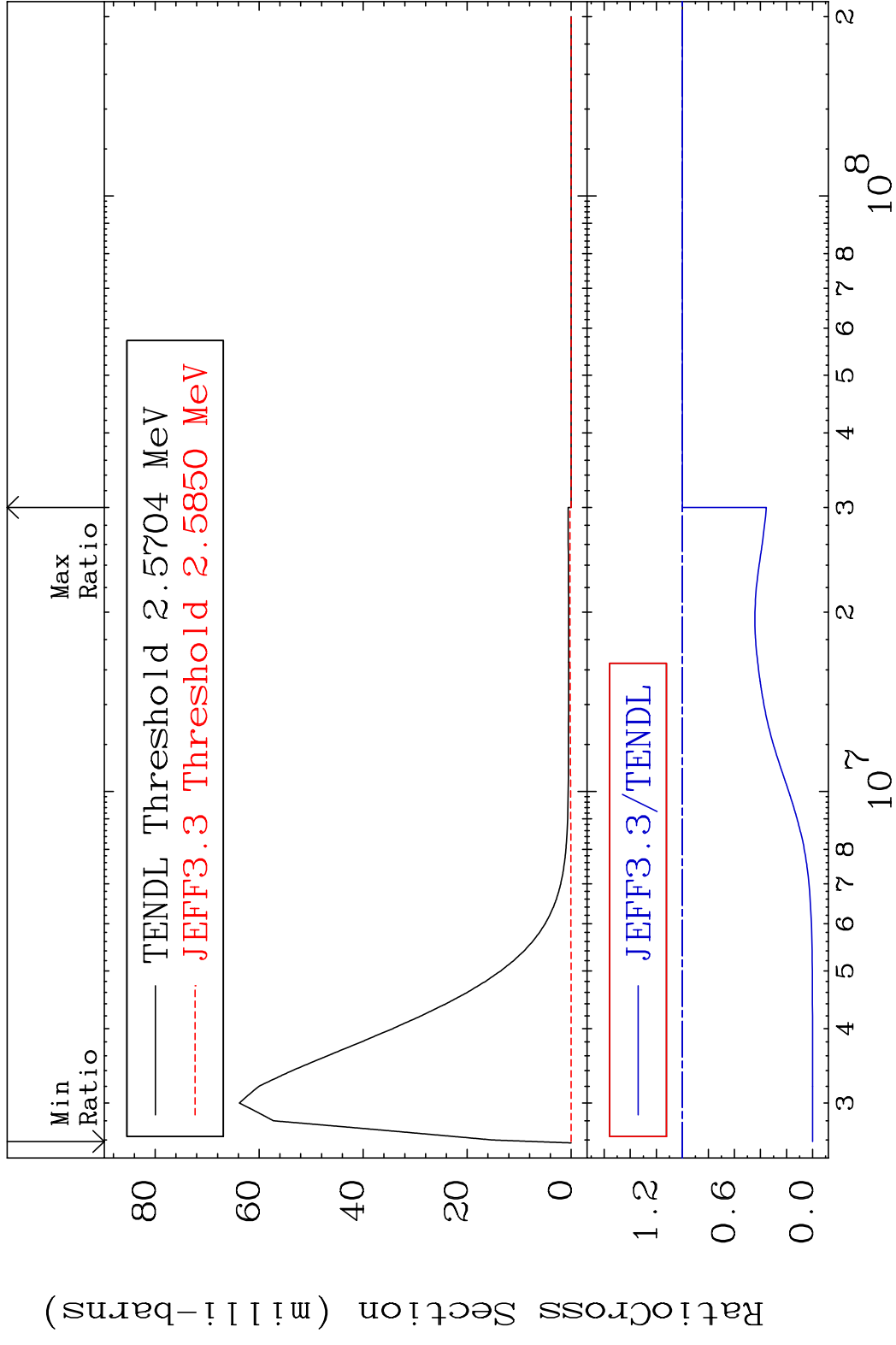
MAT 5067 MT= 64 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



MAT 5067 MT= 65 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %

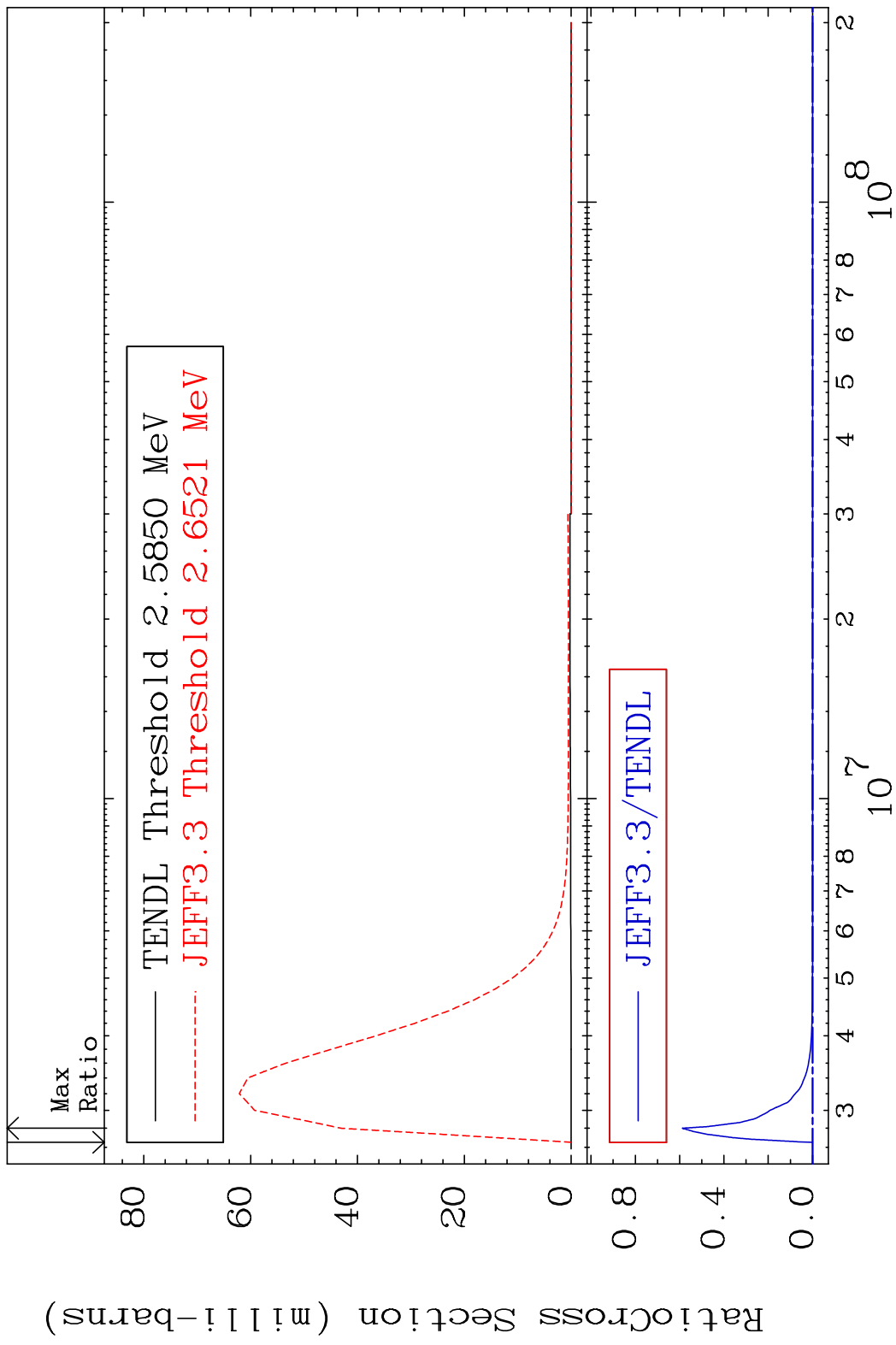


MAT 5067 MT= 66 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %



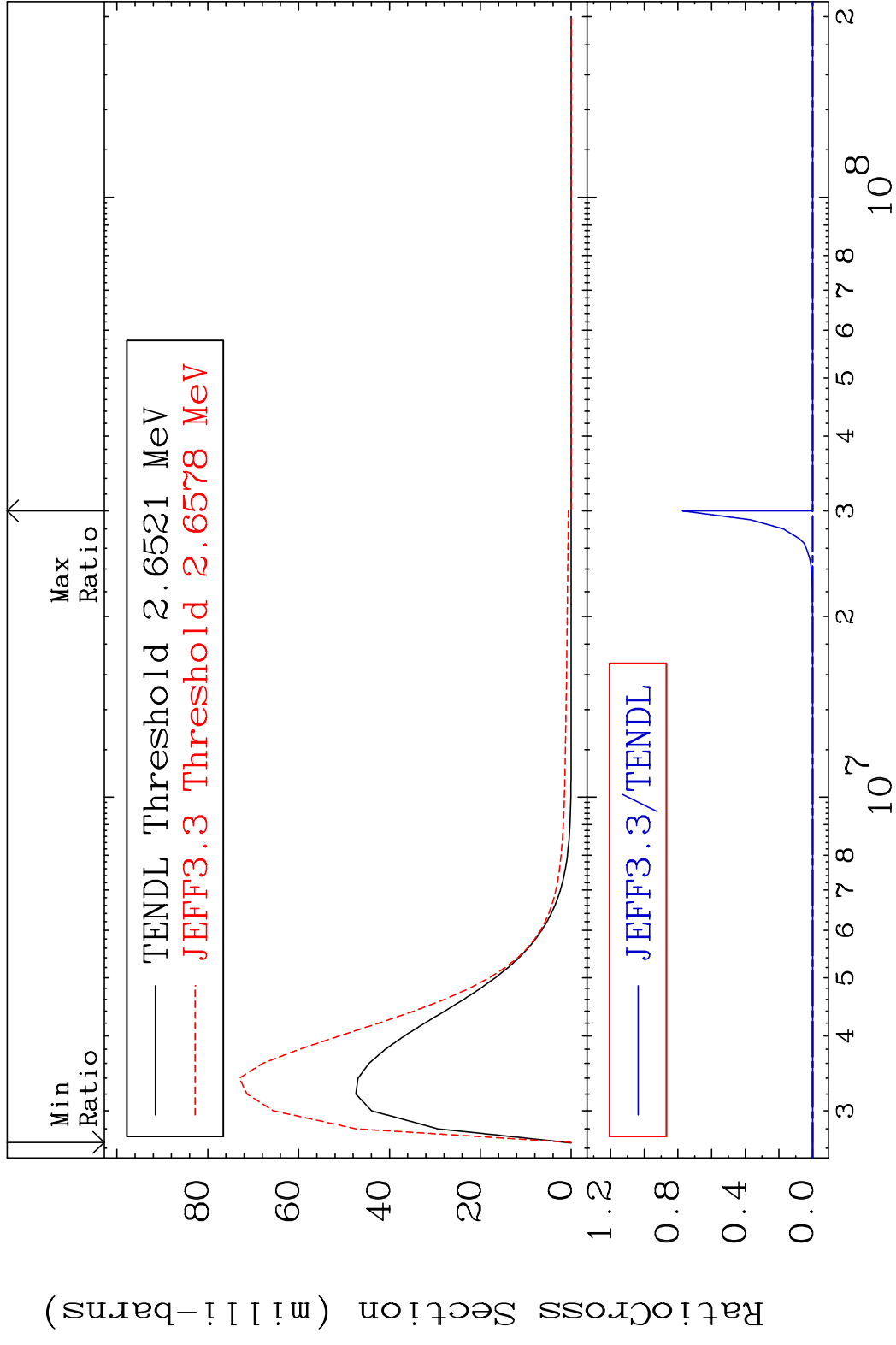
30 50-Sn-126

MAT 5067 MT= 67 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %

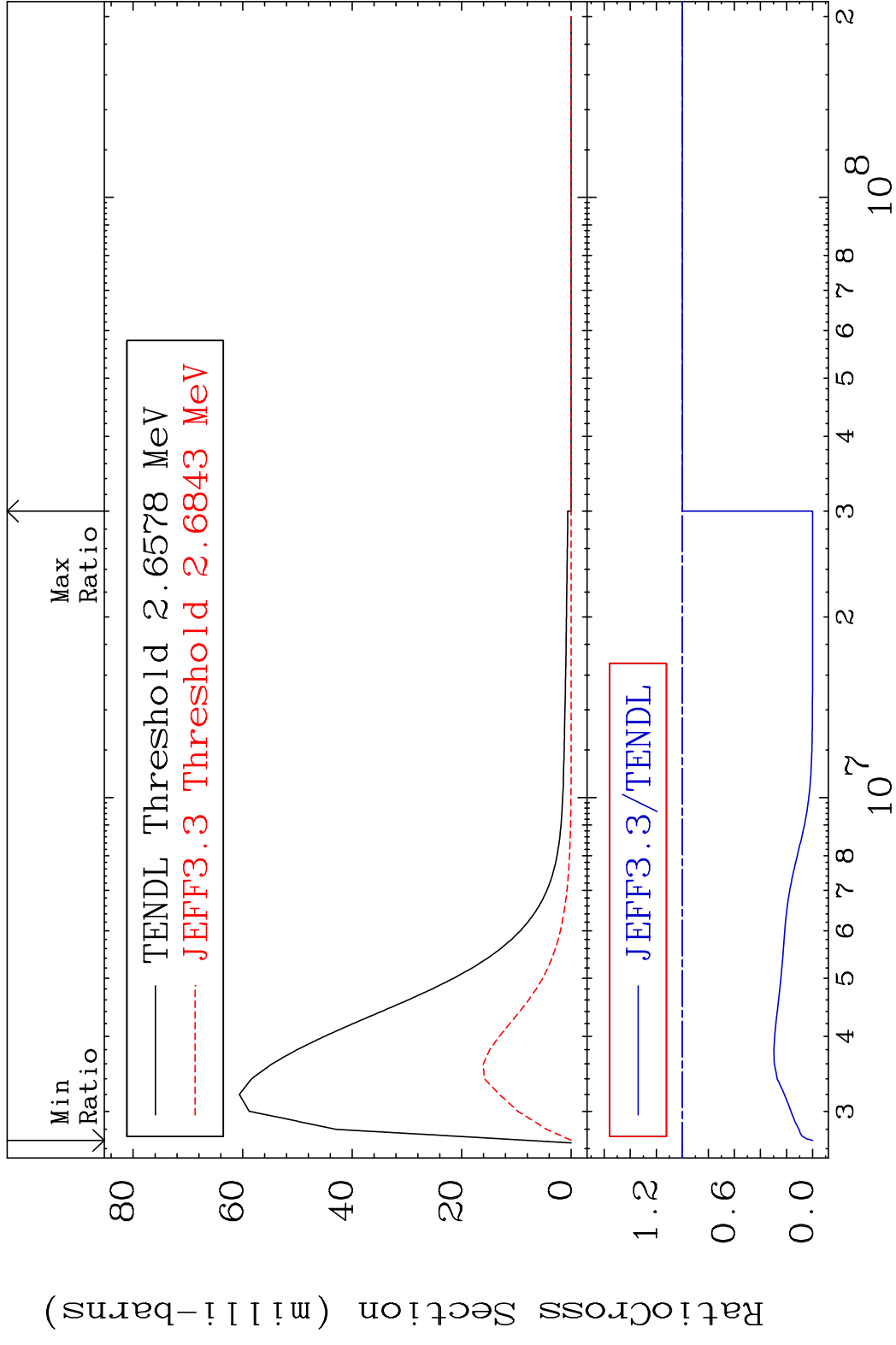




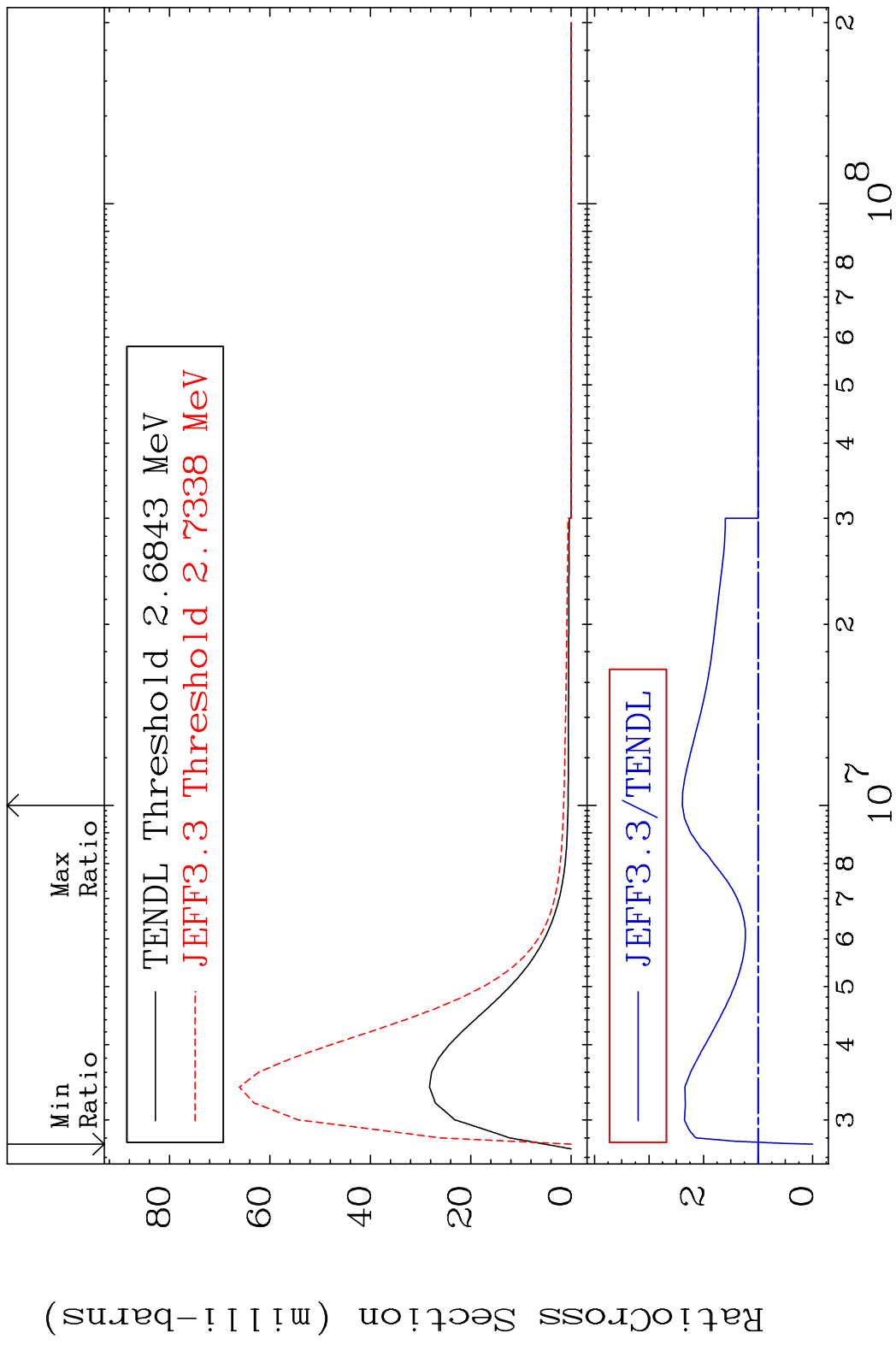
MAT 5067 MT= 68 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



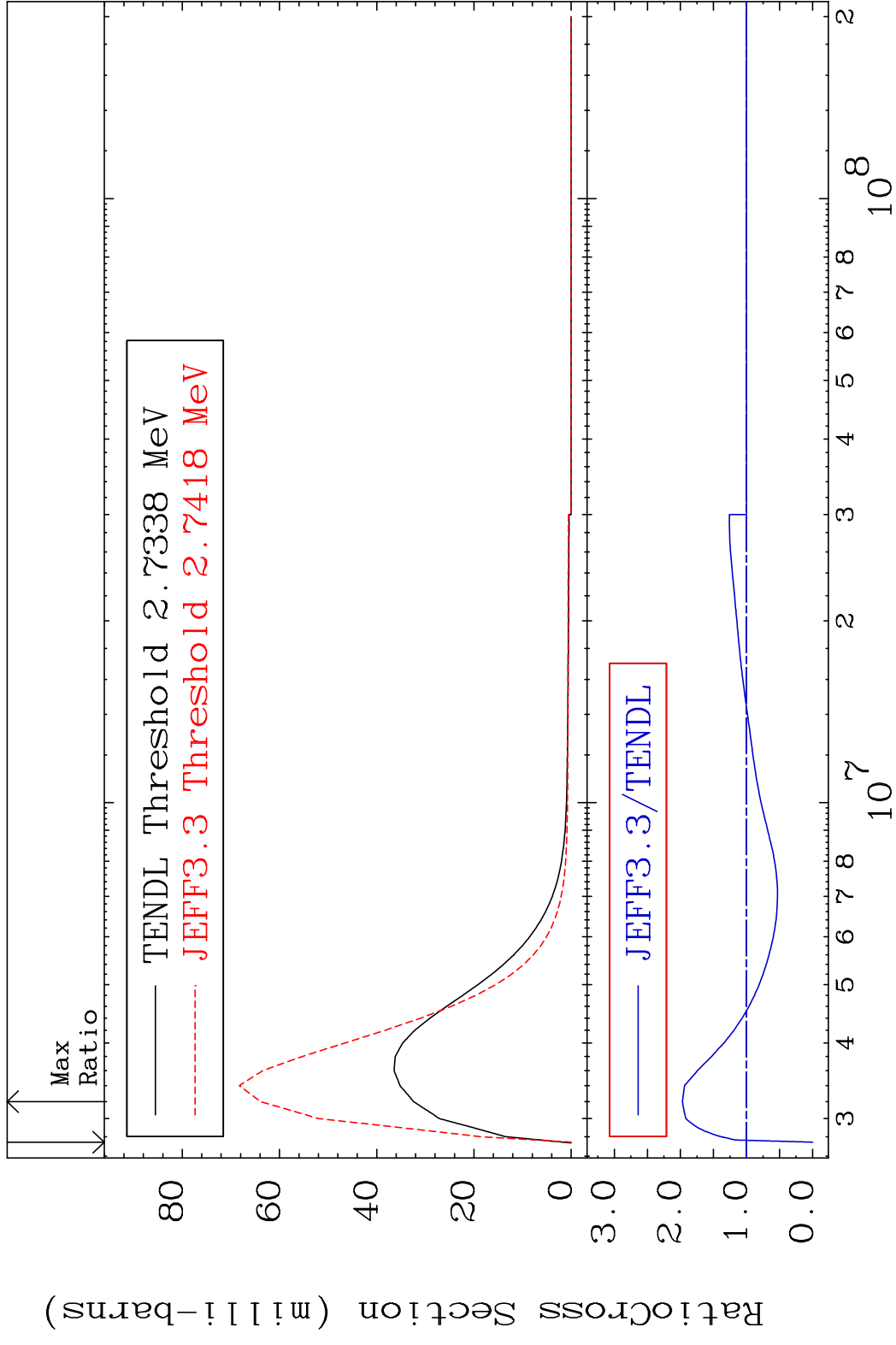
MAT 5067 MT= 69 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %



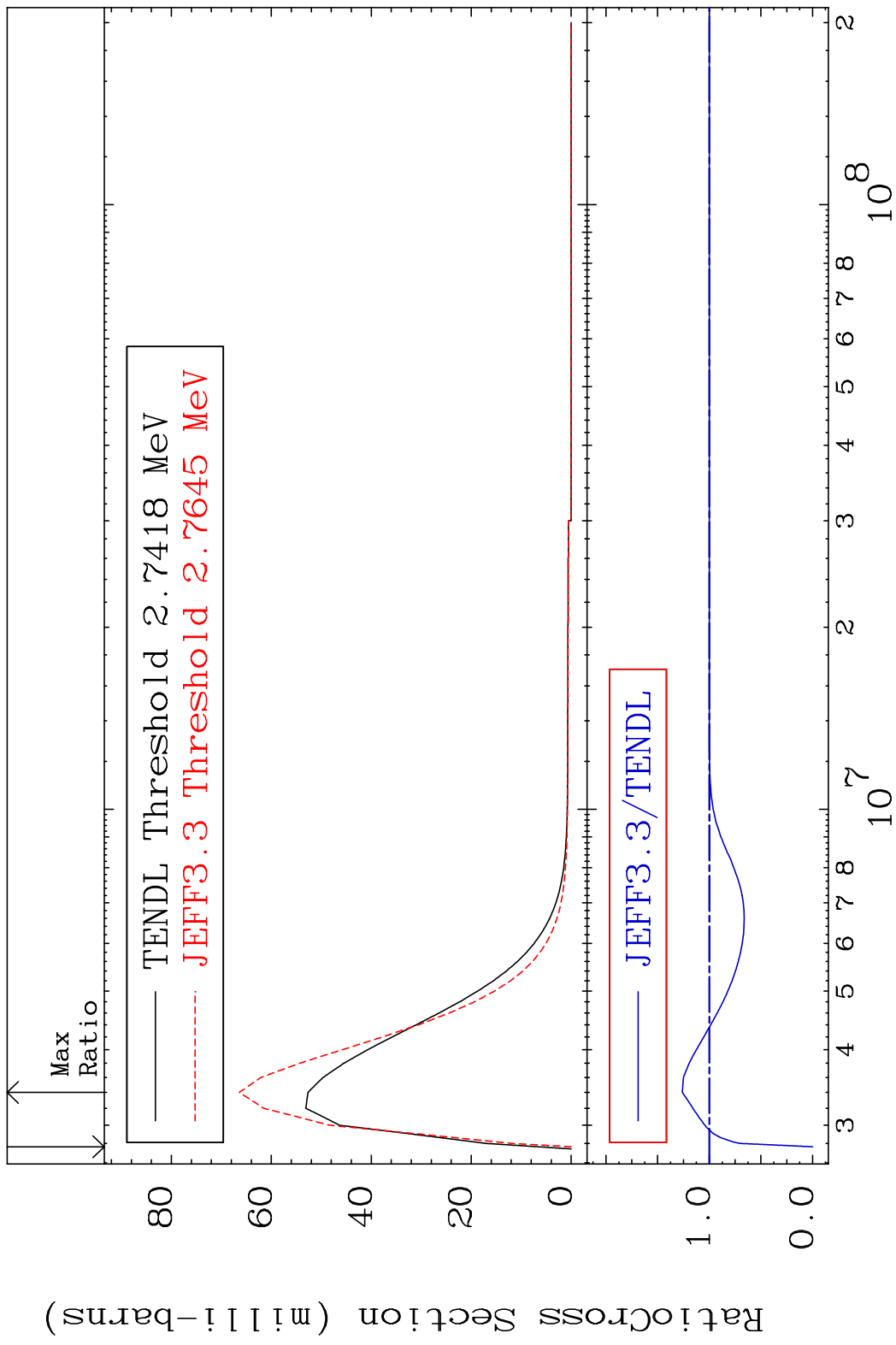
MAT 5067 MT= 70 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 138.8 %



MAT 5067 MT= 71 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 97.10 %



MAT 5067 MT= 72 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 26.07 %

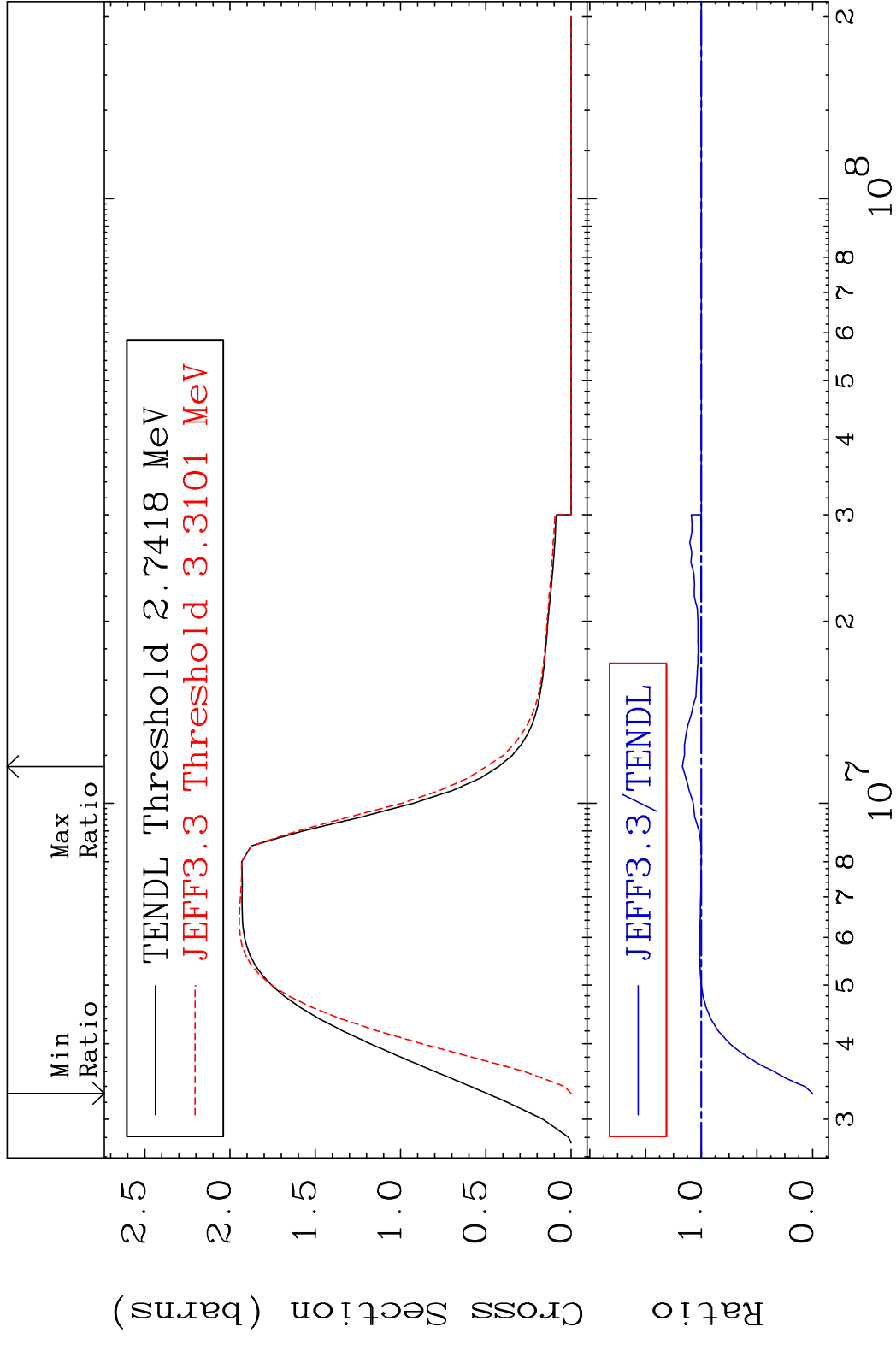


MAT 5067

(n,n') Continuum

50-Sn-126

Cross Section -100.0 To 16.95 %

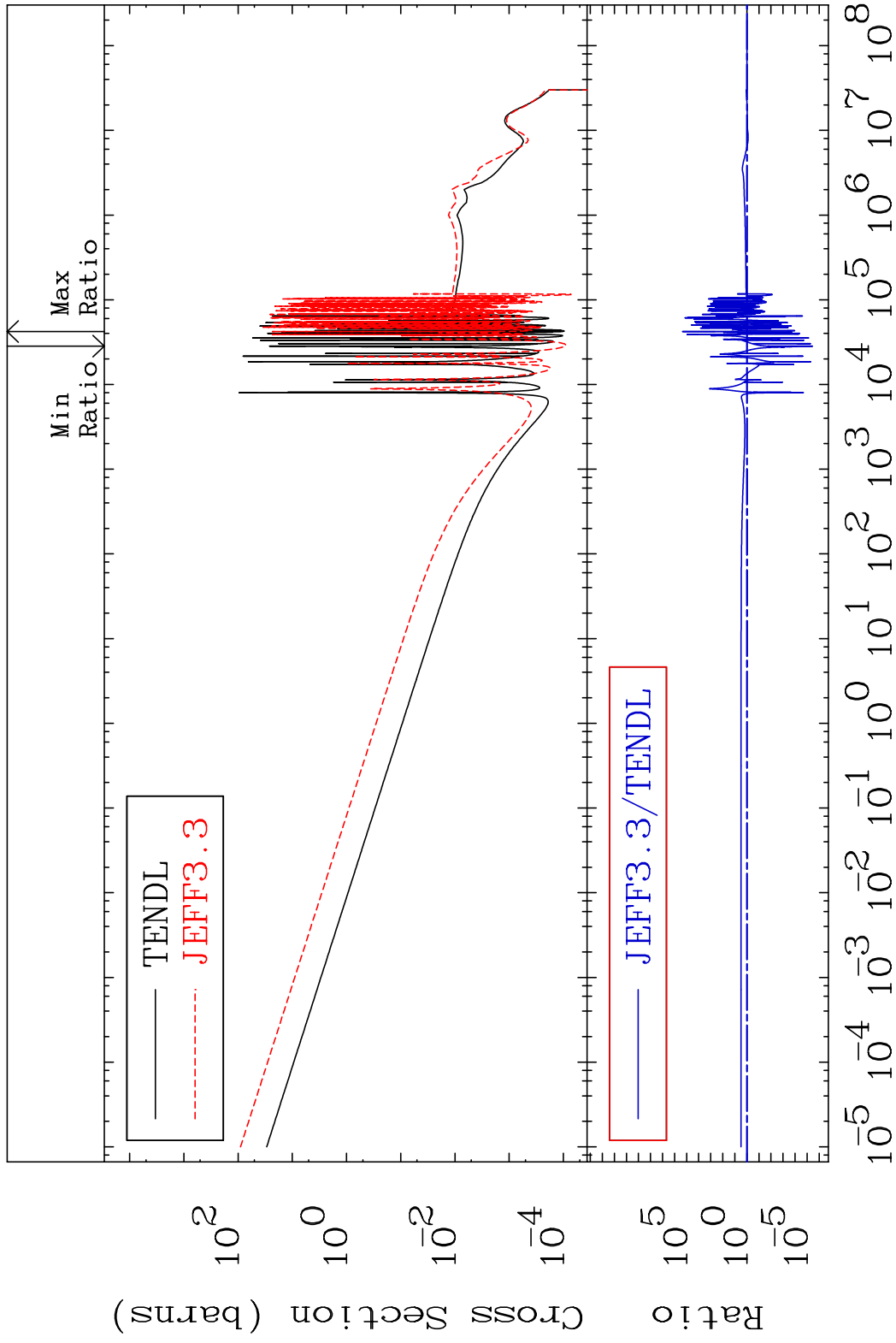


MAT 5067

(n,  $\gamma$ )

50-Sn-126

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

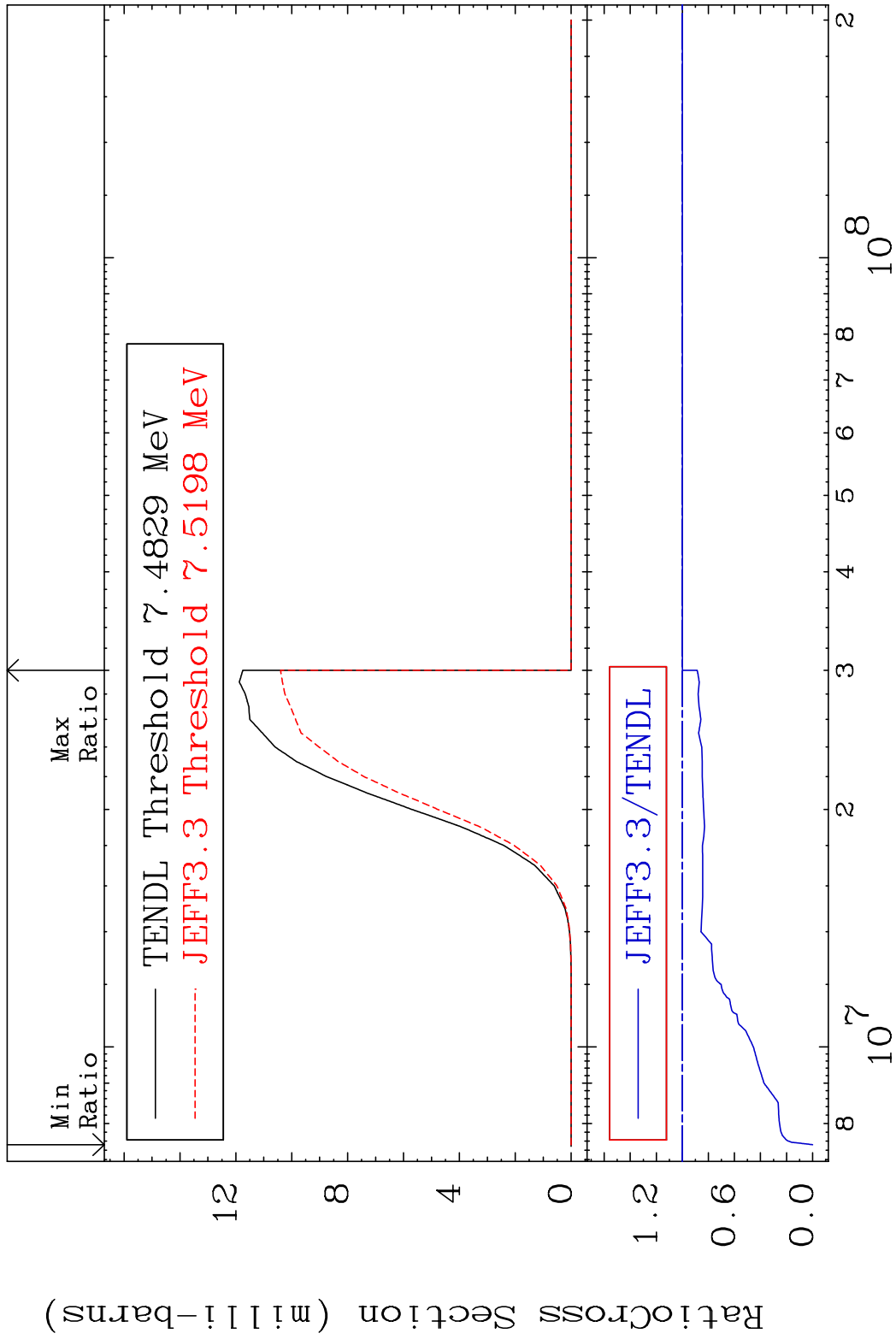
50-Sn-126

MAT 5067

(n,p)

50-Sn-126

Cross Section -100.0 To 0.000 %



39

Incident Energy (eV)

50-Sn-126

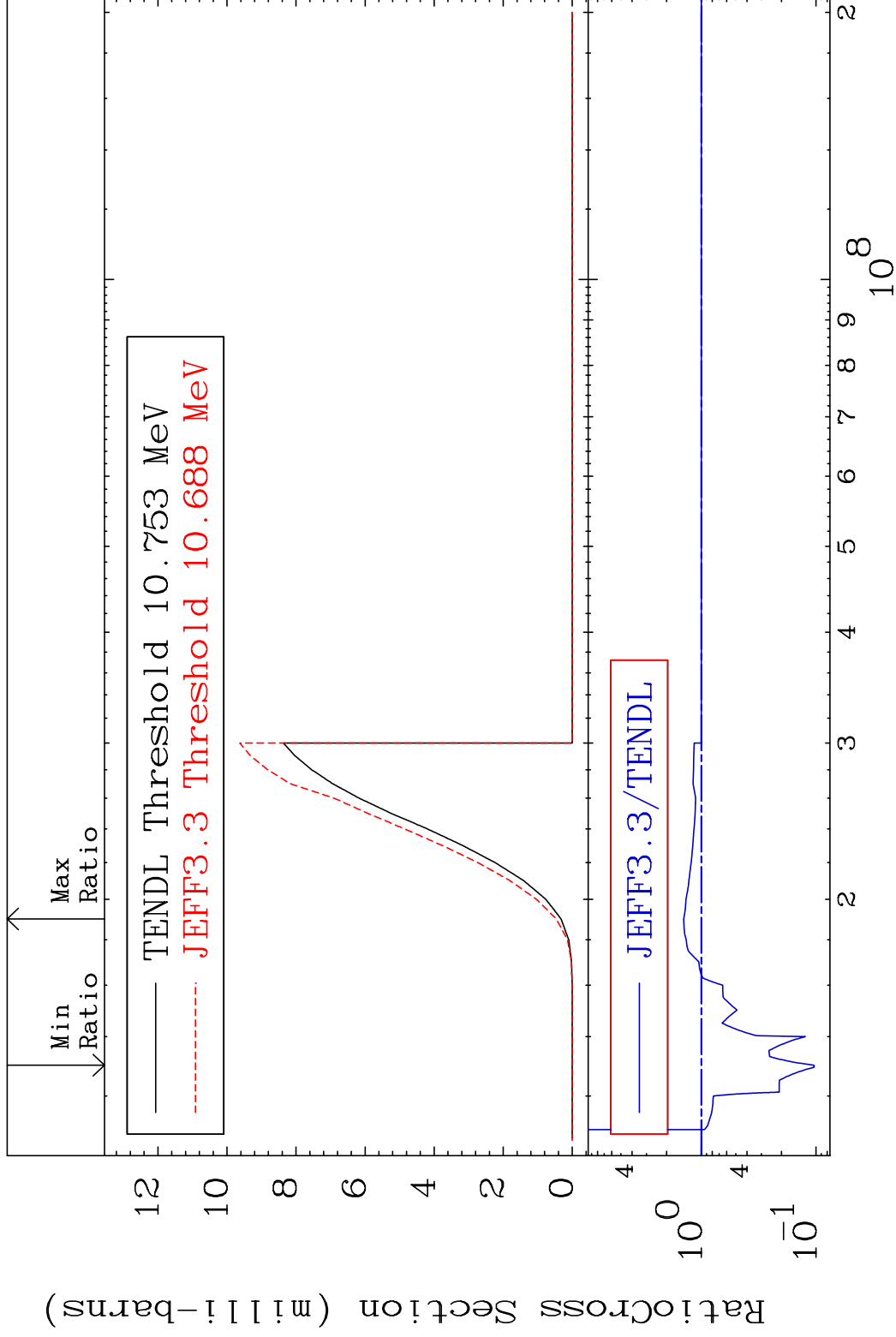


MAT 5067

(n, d)

50-Sn-126

Cross Section -89.60 To 42.17 %



40

Incident Energy (eV)

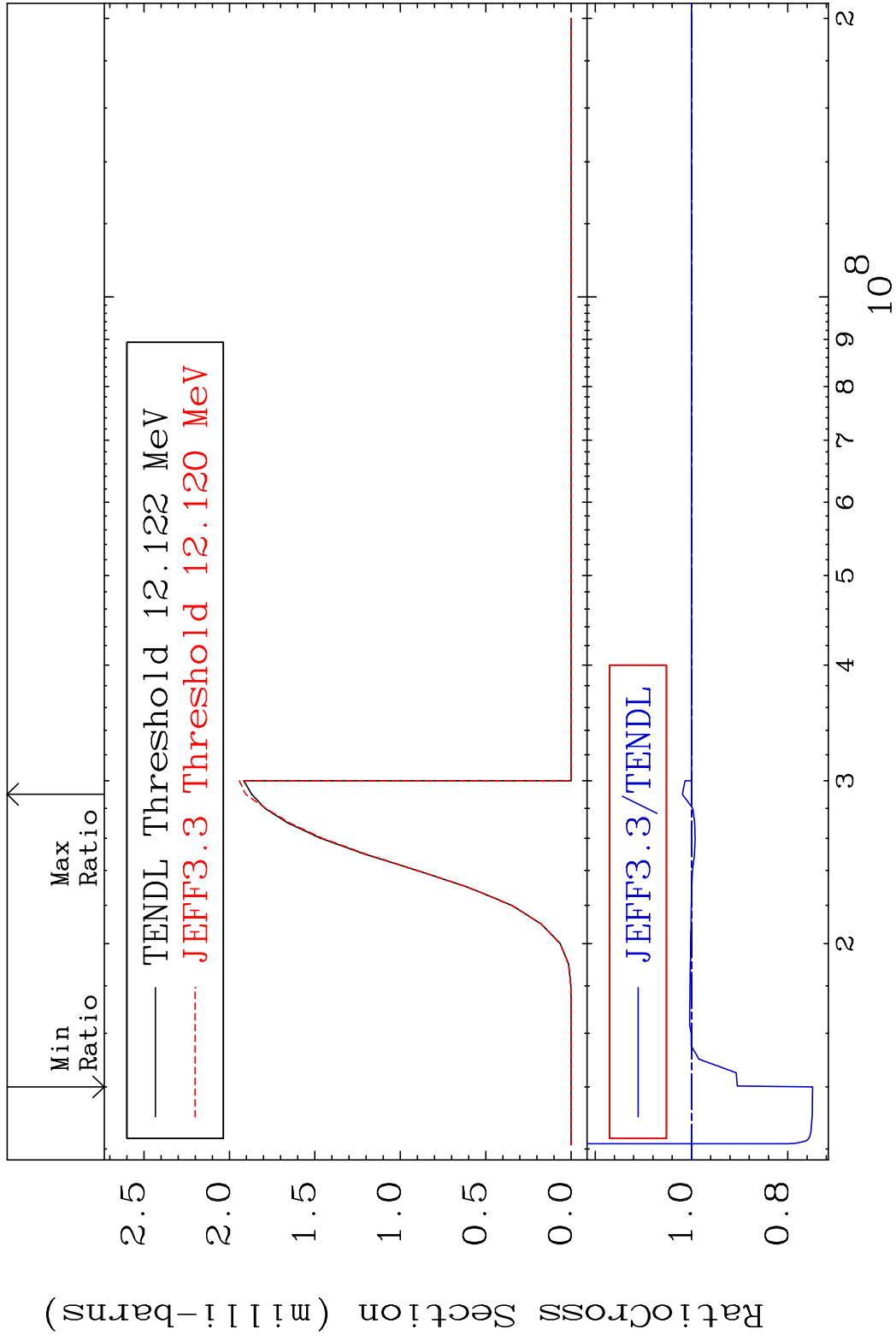
50-Sn-126

MAT 5067

(n, t)

50-Sn-126

Cross Section -25.14 To 1.898 %

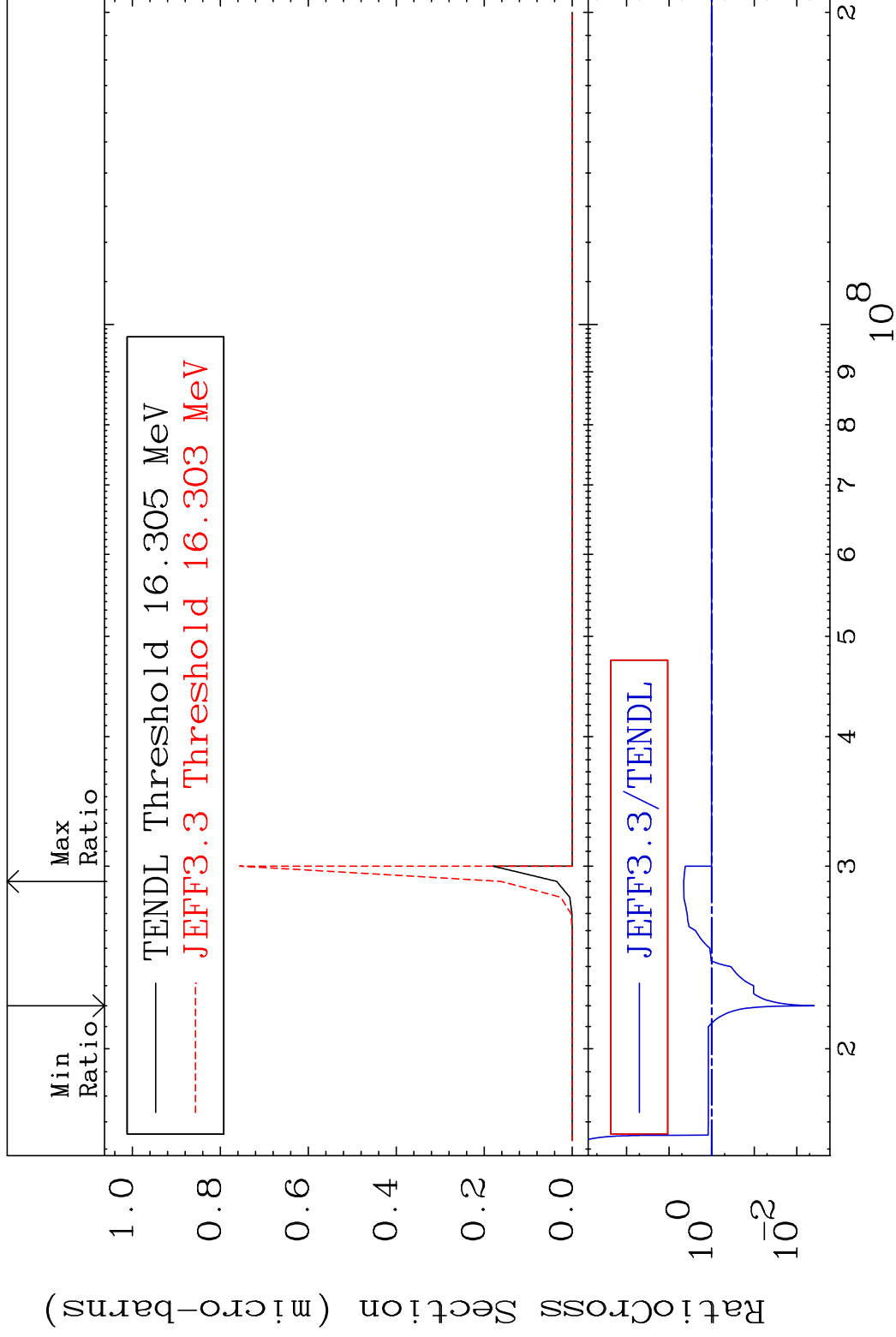


MAT 5067

(n, He-3)

50-Sn-126

Cross Section -99.61 To 355.9 %

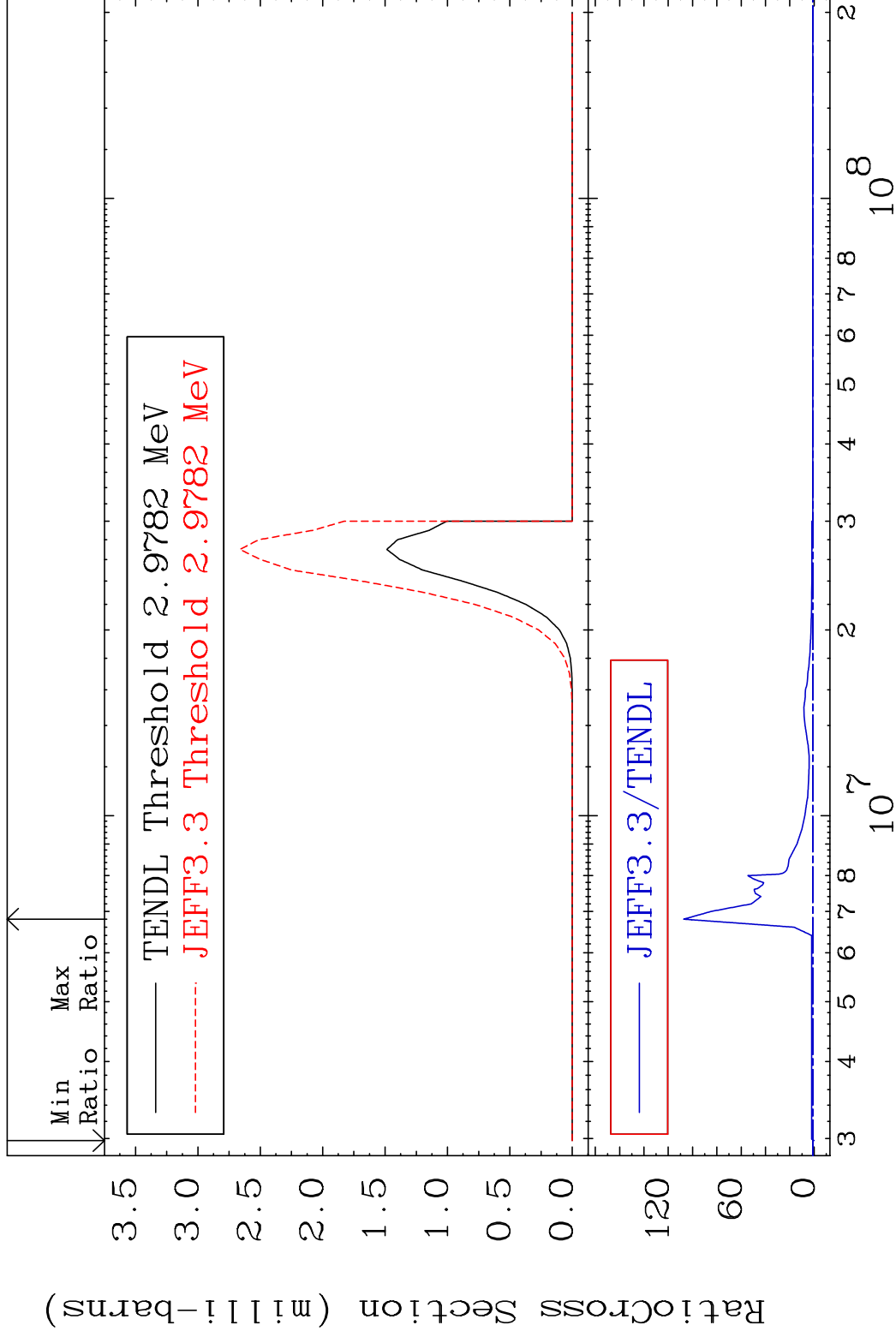


MAT 5067

(n,  $\alpha$ )

50-Sn-126

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

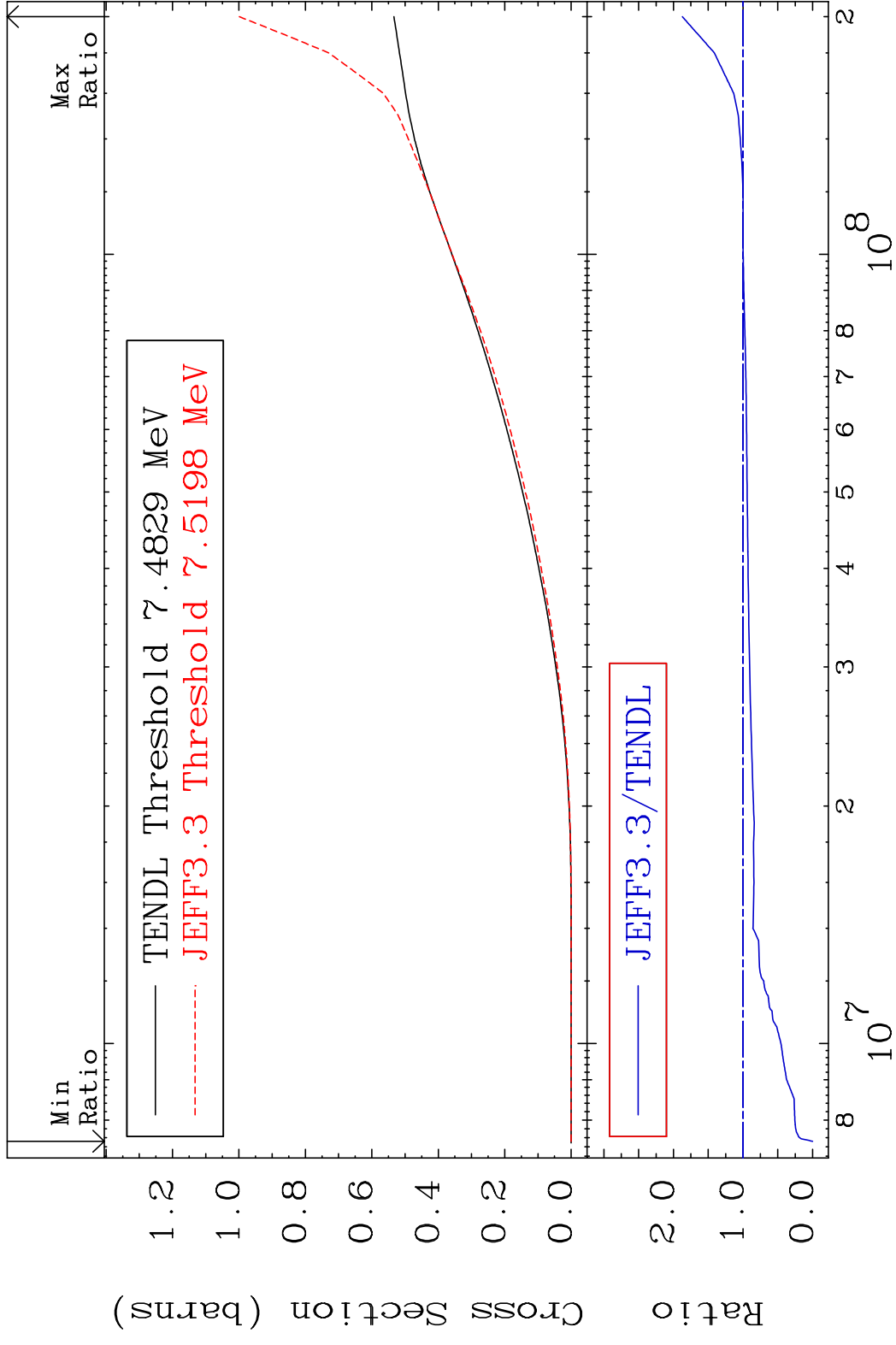
50-Sn-126

MAT 5067

Hydrogen Production

50-Sn-126

Cross Section -100.0 To 87.24 %



44

Incident Energy (eV)

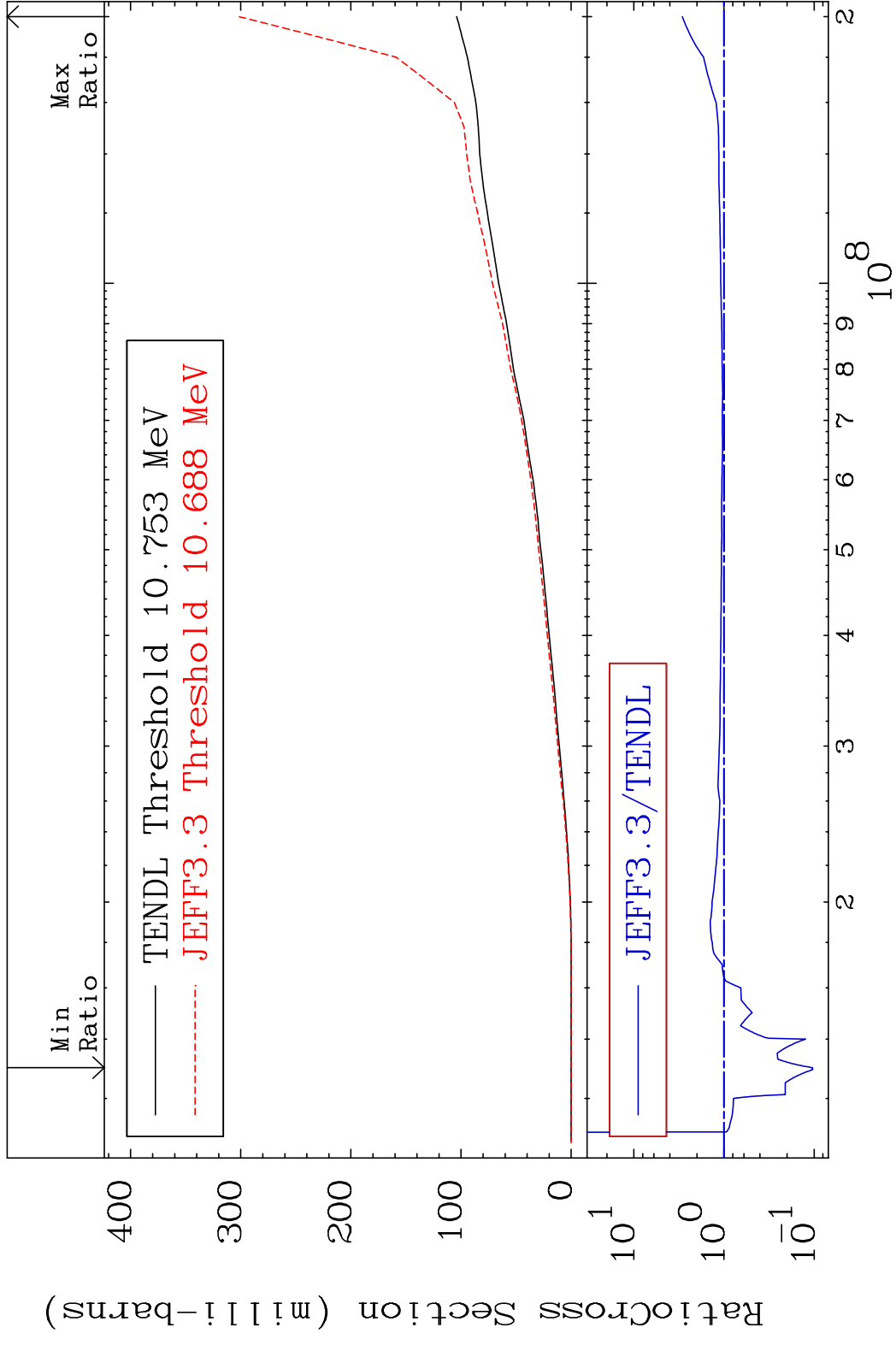
50-Sn-126

MAT 5067

Deuterium Production

50-Sn-126

Cross Section -89.60 To 189.9 %



45

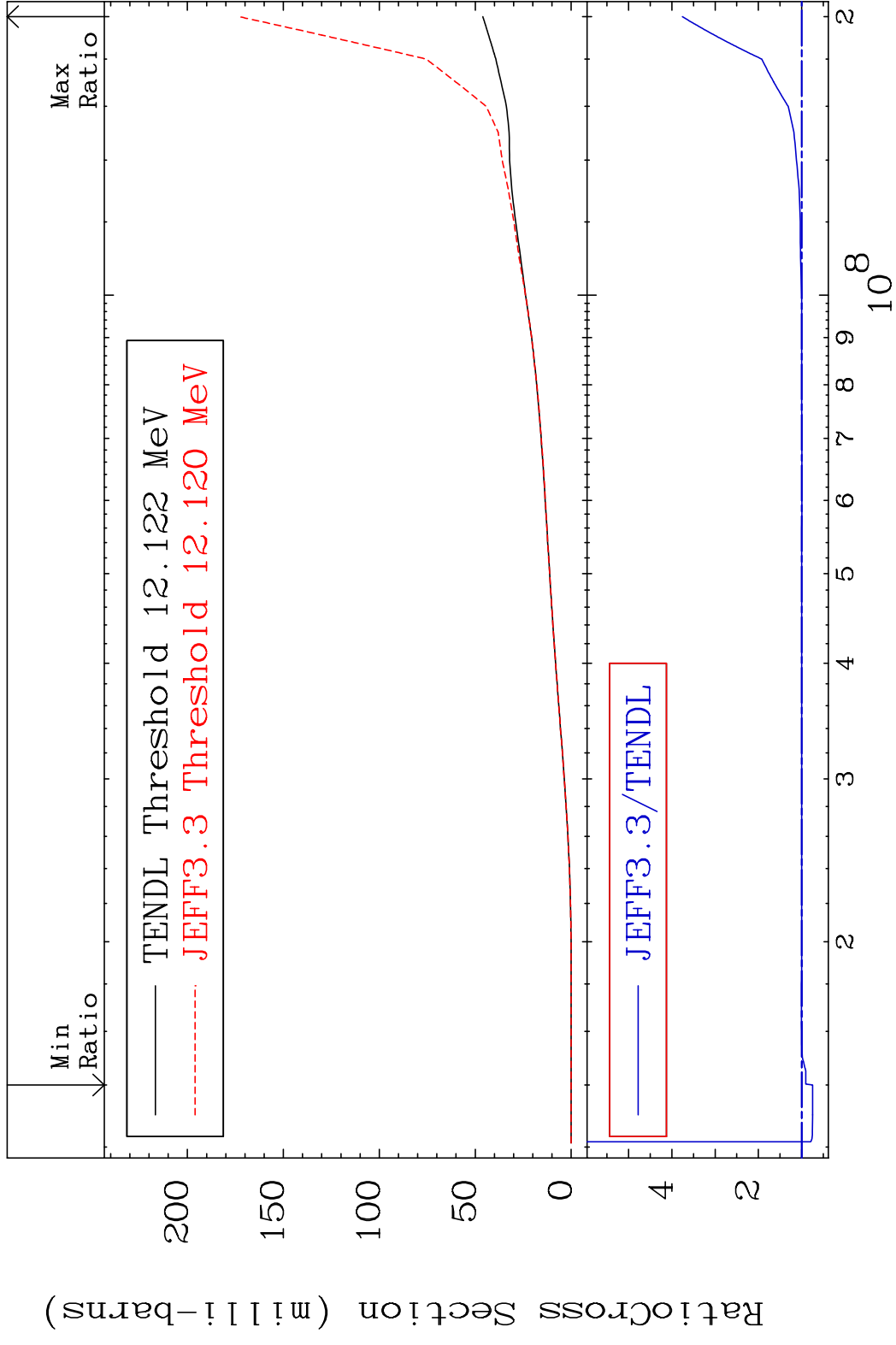
Incident Energy (eV)

50-Sn-126

MAT 5067

Tritium Production  
Cross Section -25.14 To 275.8 %

50-Sn-126

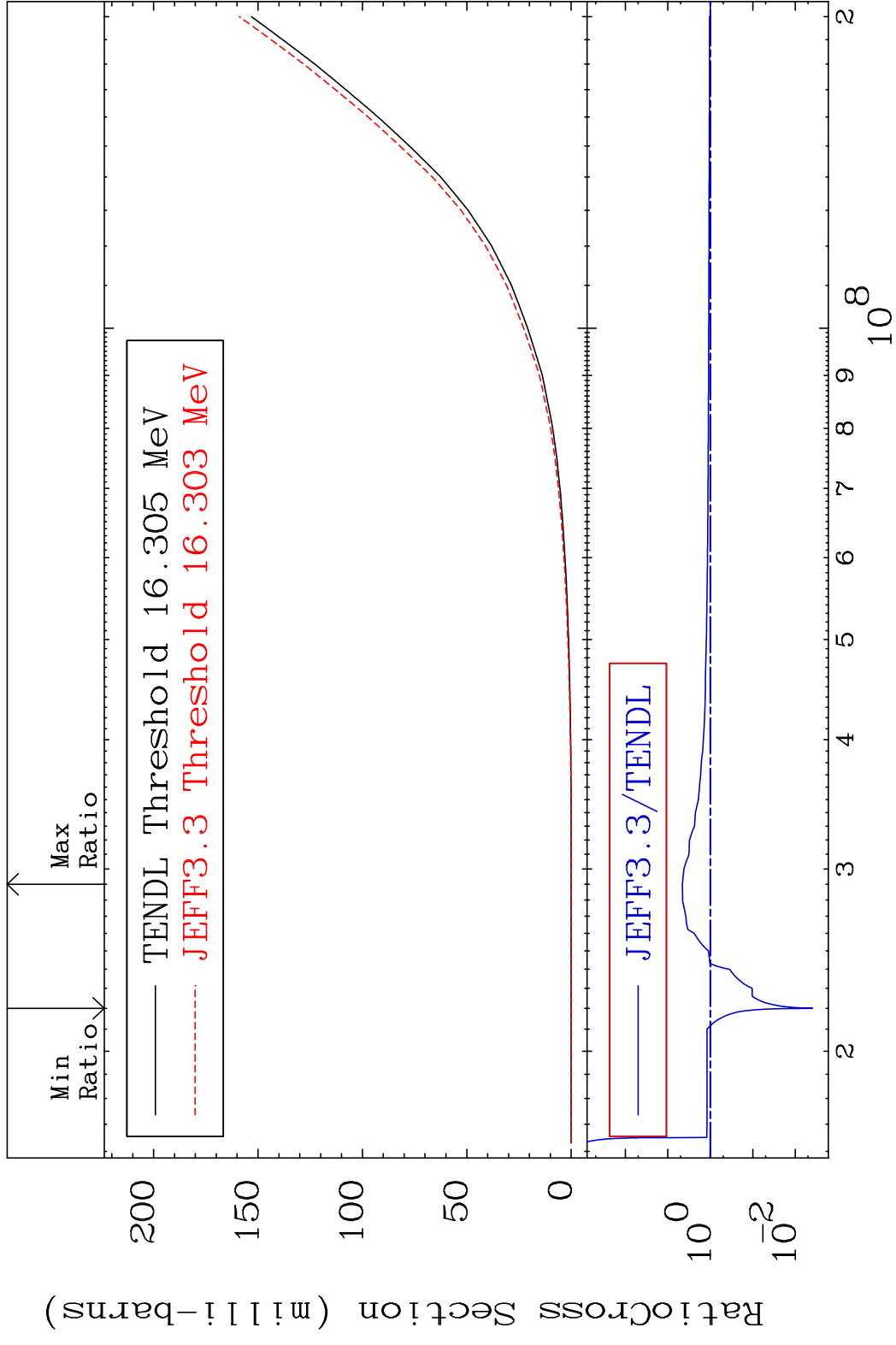


MAT 5067

He-3 Production

50-Sn-126

Cross Section -99.61 To 355.9 %



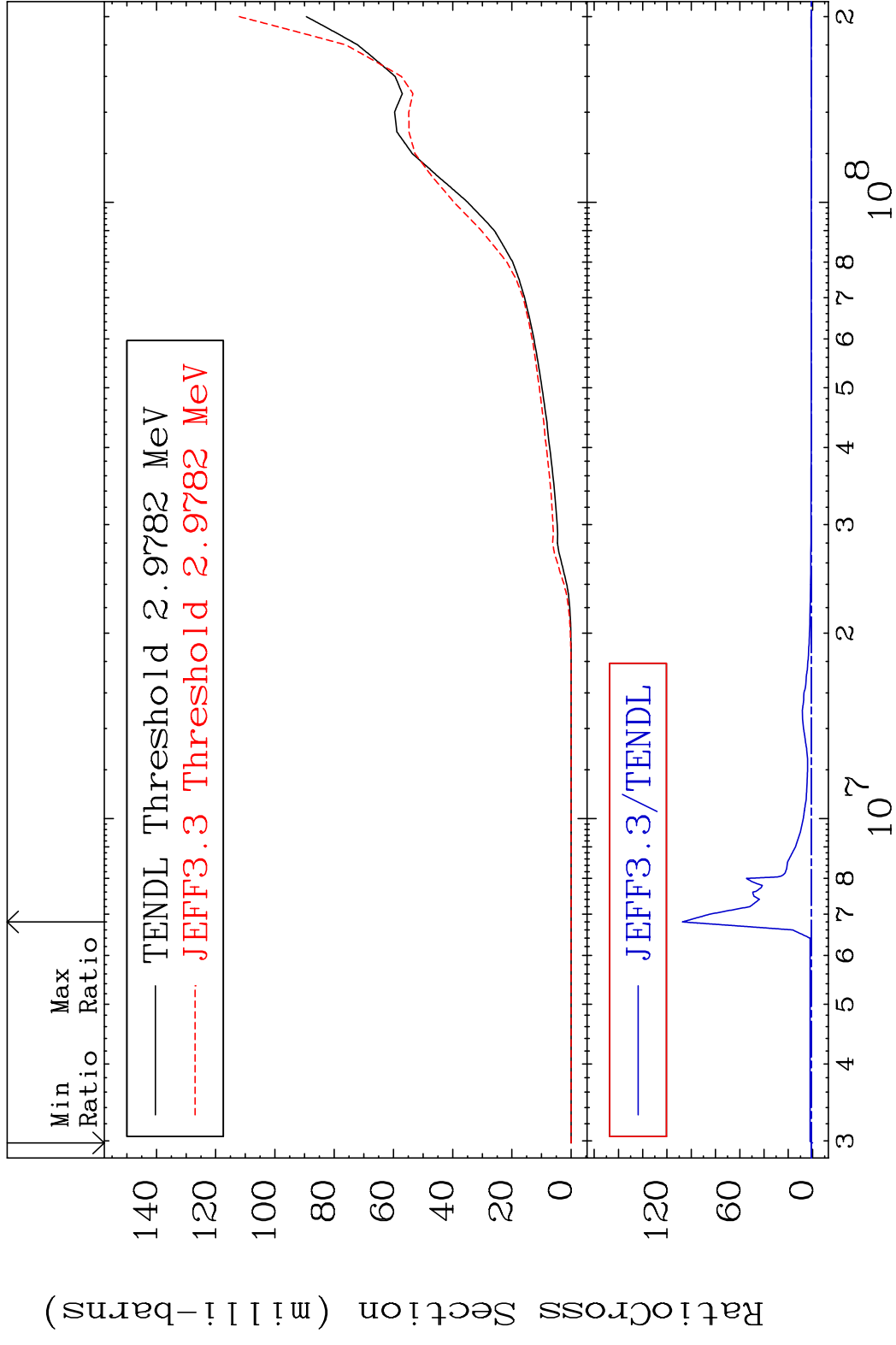


MAT 5067

He-4 Production

50-Sn-126

Cross Section -100.0 To 9999. %

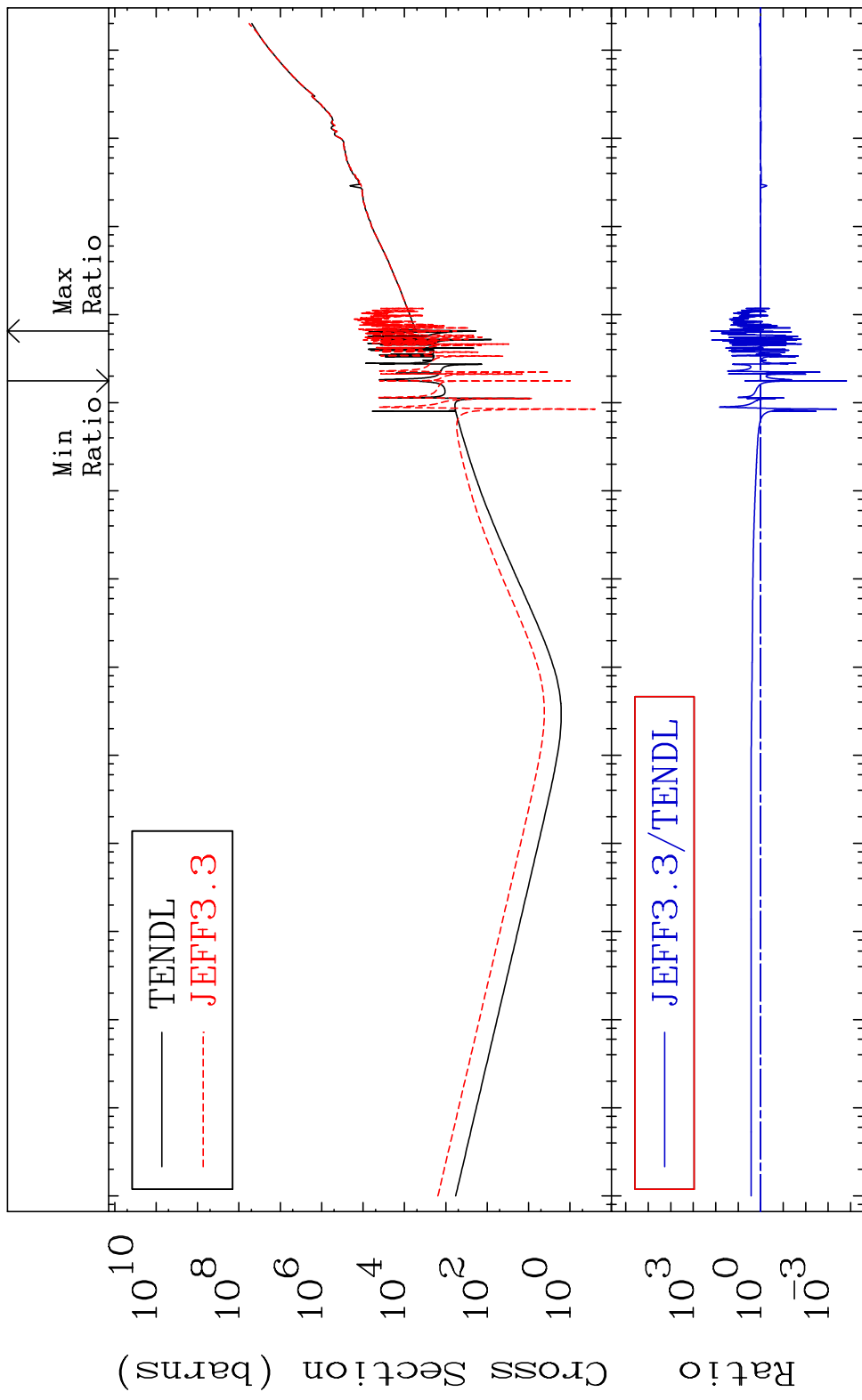


48

Incident Energy (eV)

50-Sn-126

MAT 5067 Kerma total (eV-barns) 50-Sn-126  
 Cross Section -99.98 To 9999. %

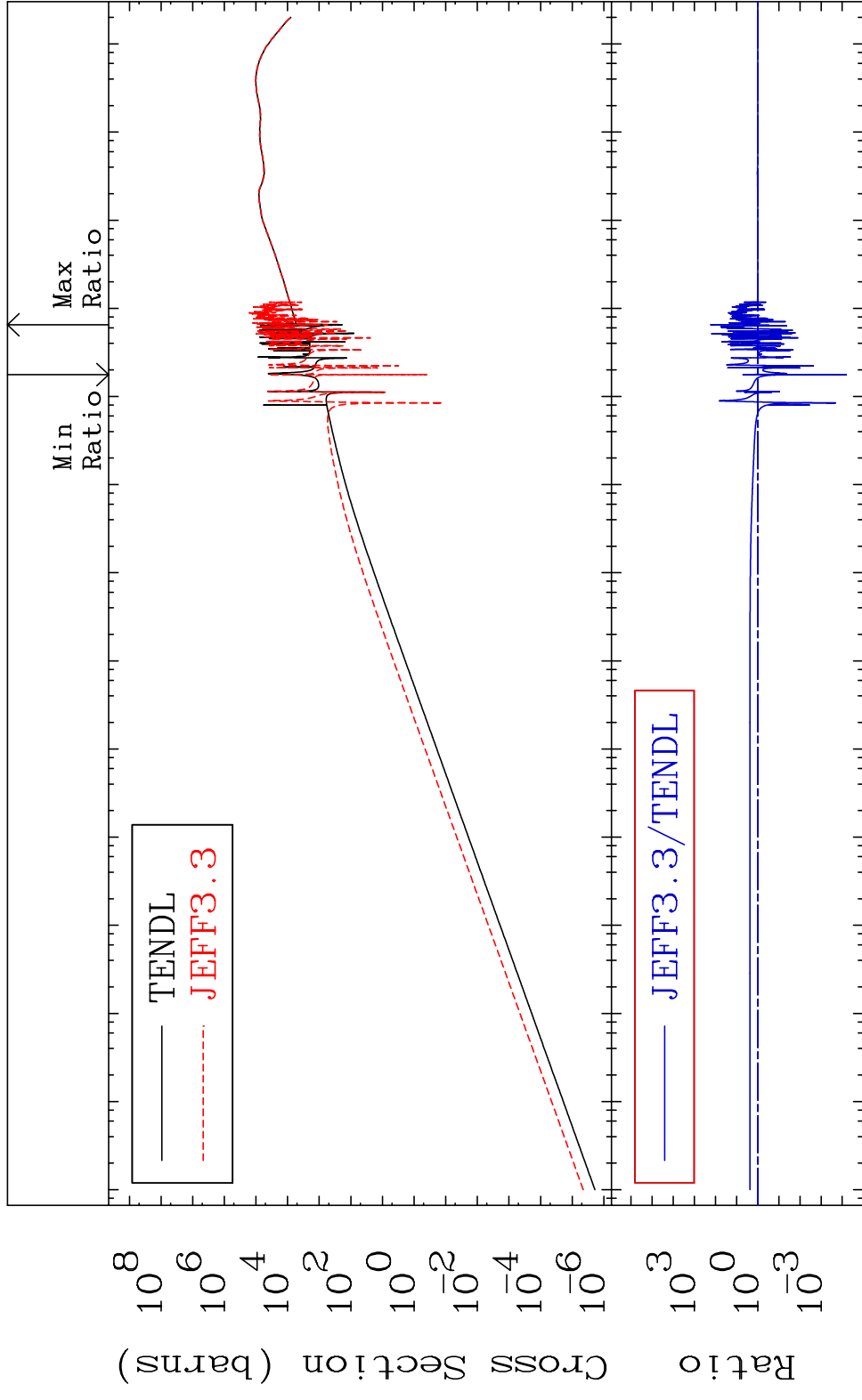


49 Incident Energy (eV) 50-Sn-126

MAT 5067

Kerma elastic  
Cross Section

50-Sn-126  
-99.99 To 9999. %

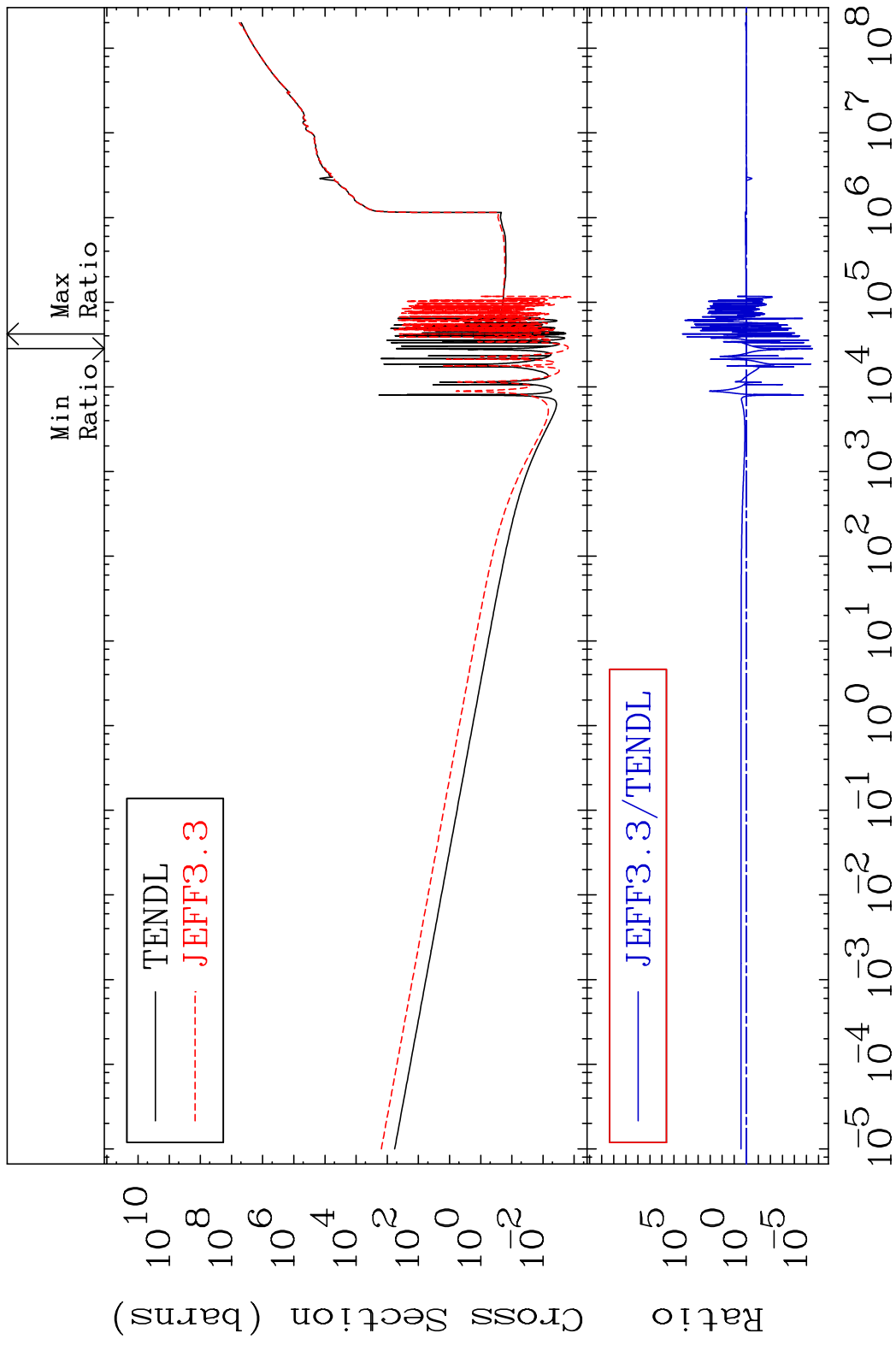


50

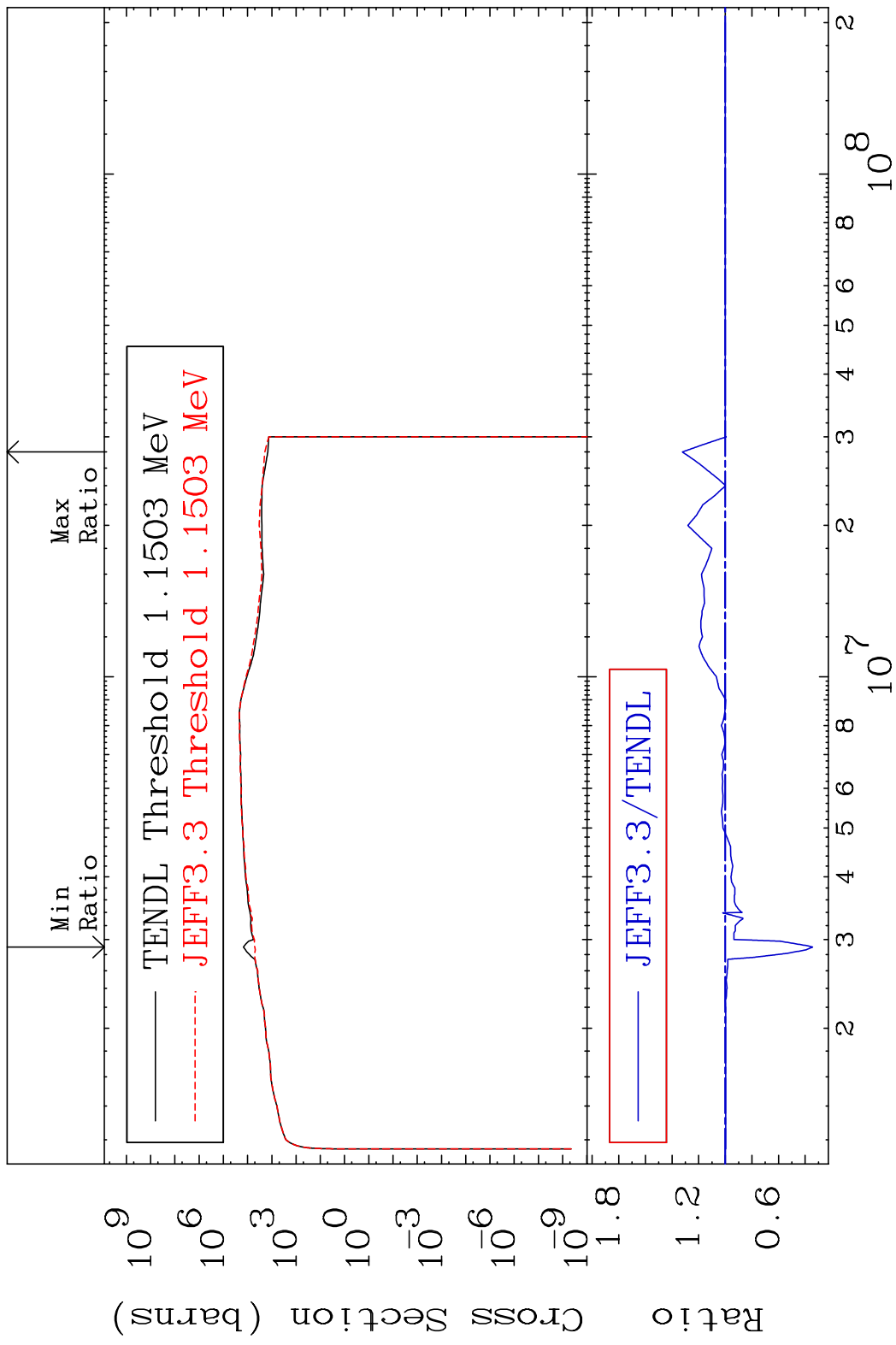
Incident Energy (eV)

50-Sn-126

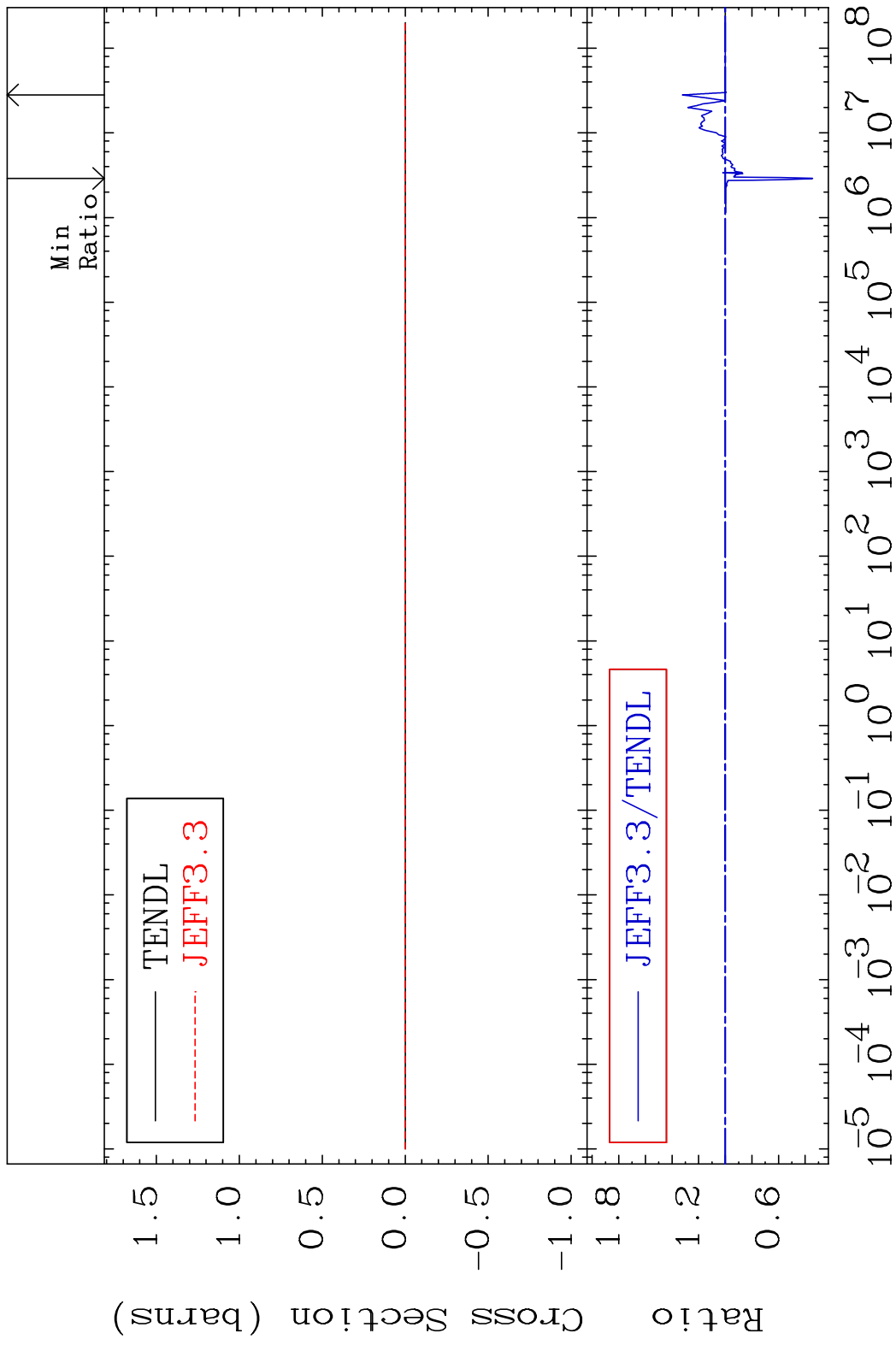
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126  
 Cross Section -100.0 To 9999. %



MAT 5067 Kerma inelastic (mt51-91) 50-Sn-126  
 Cross Section -65.54 To 32.25 %

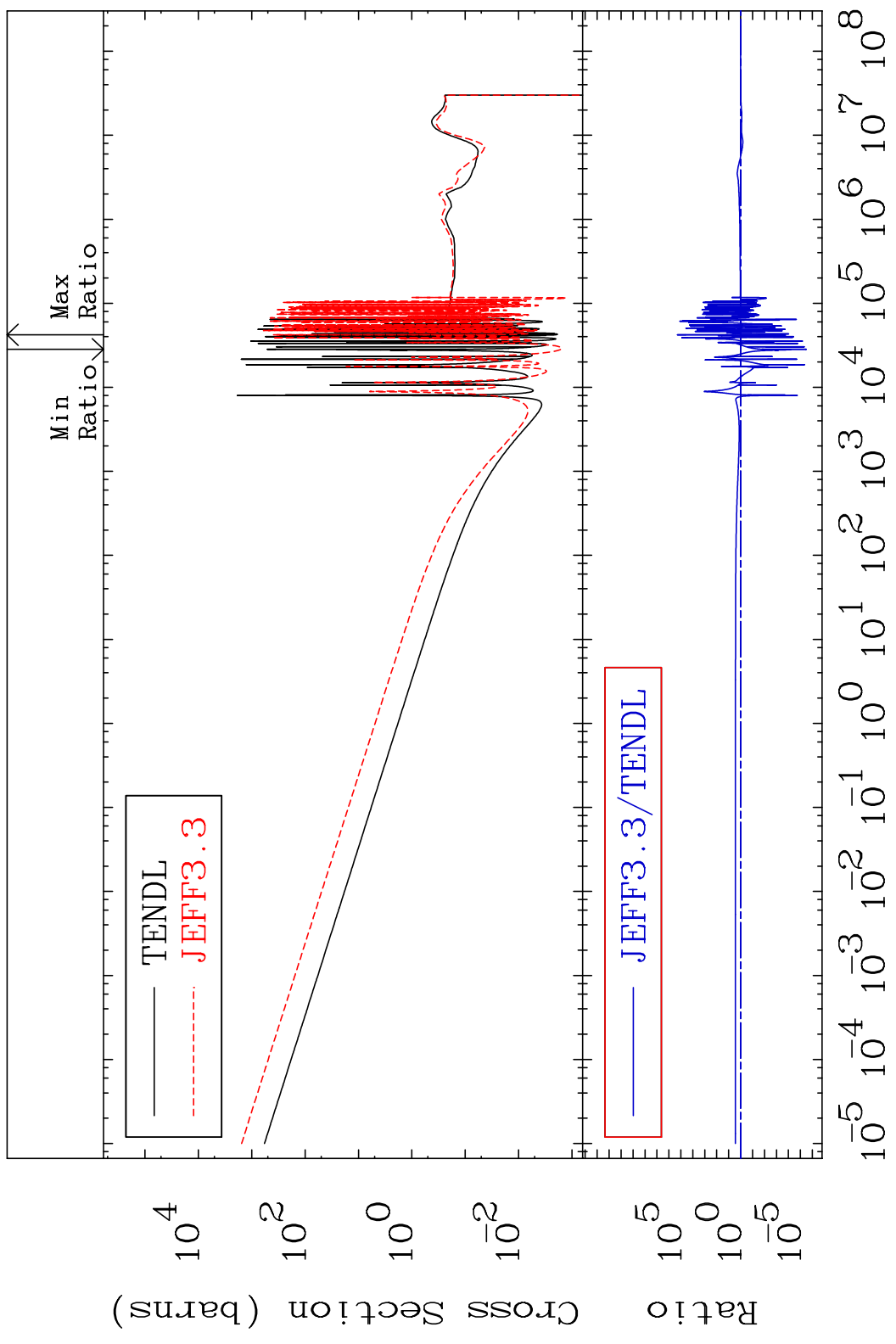


MAT 5067 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-126  
 Cross Section -65.54 To 32.25 %

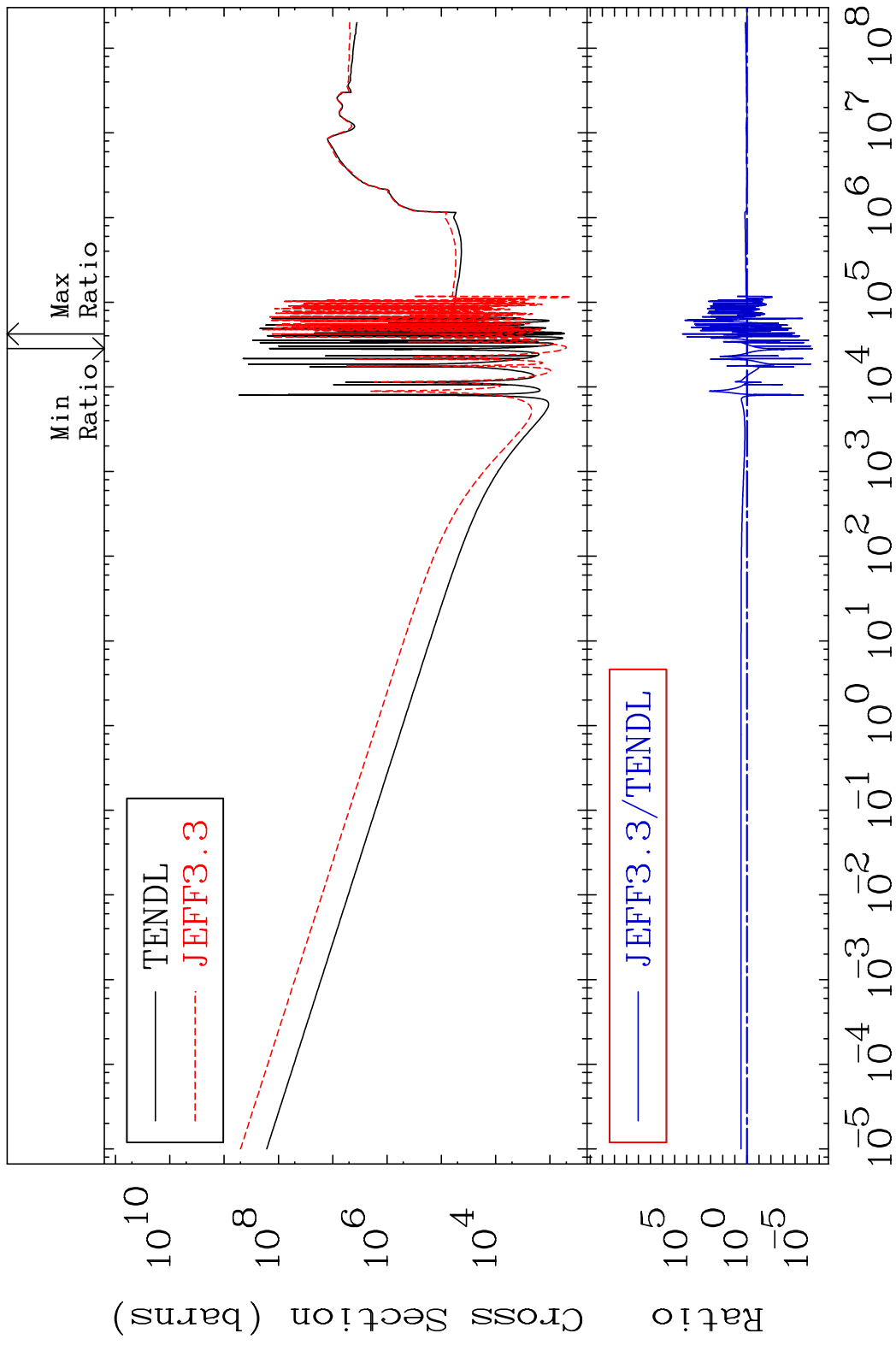


MAT 5067

Kerma capture (mt102) 50-Sn-126  
Cross Section -100.0 To 9999. %



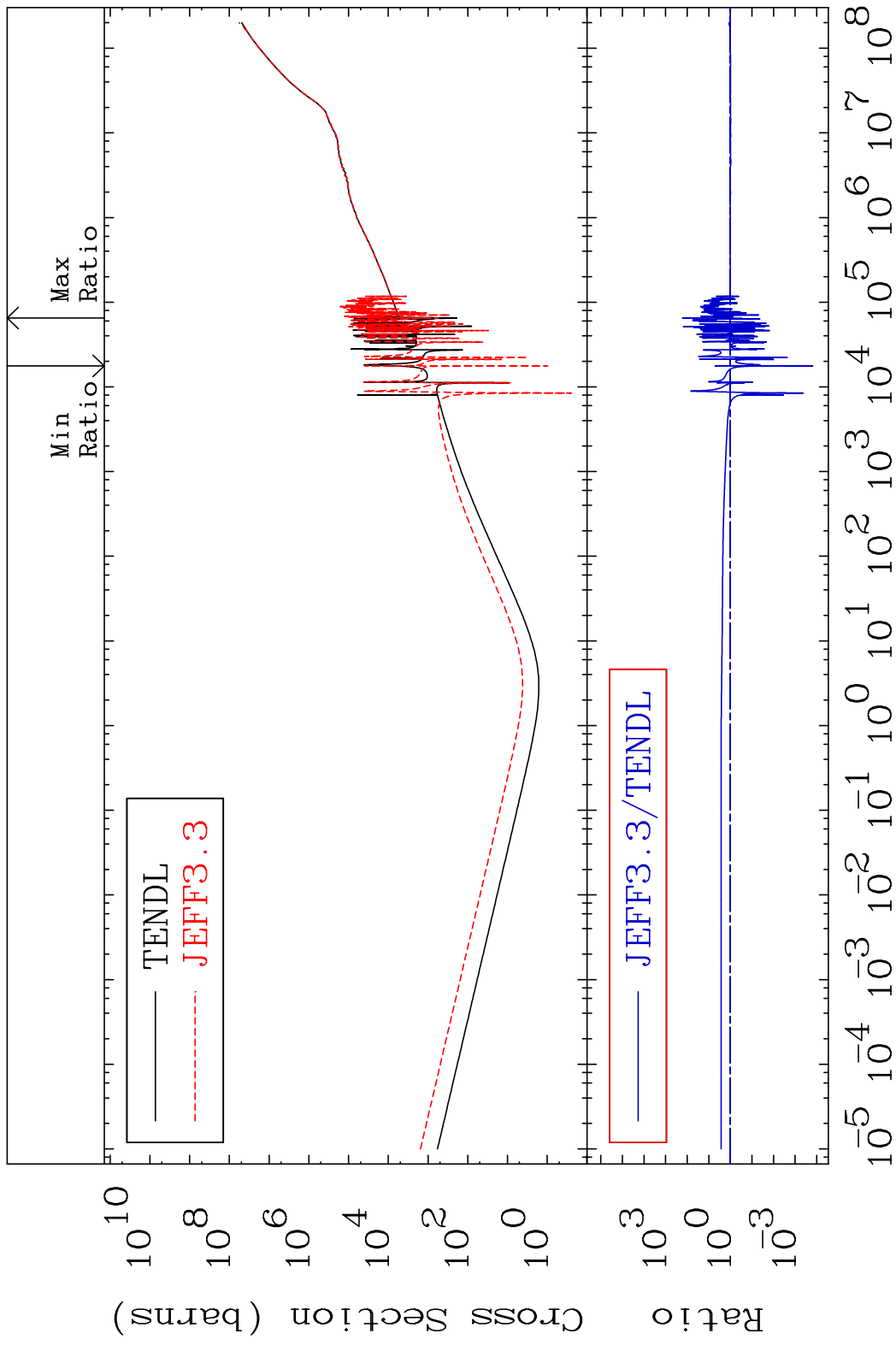
MAT 5067 Total photon (eV-barns) 50-Sn-126  
 Cross Section -100.0 To 9999. %



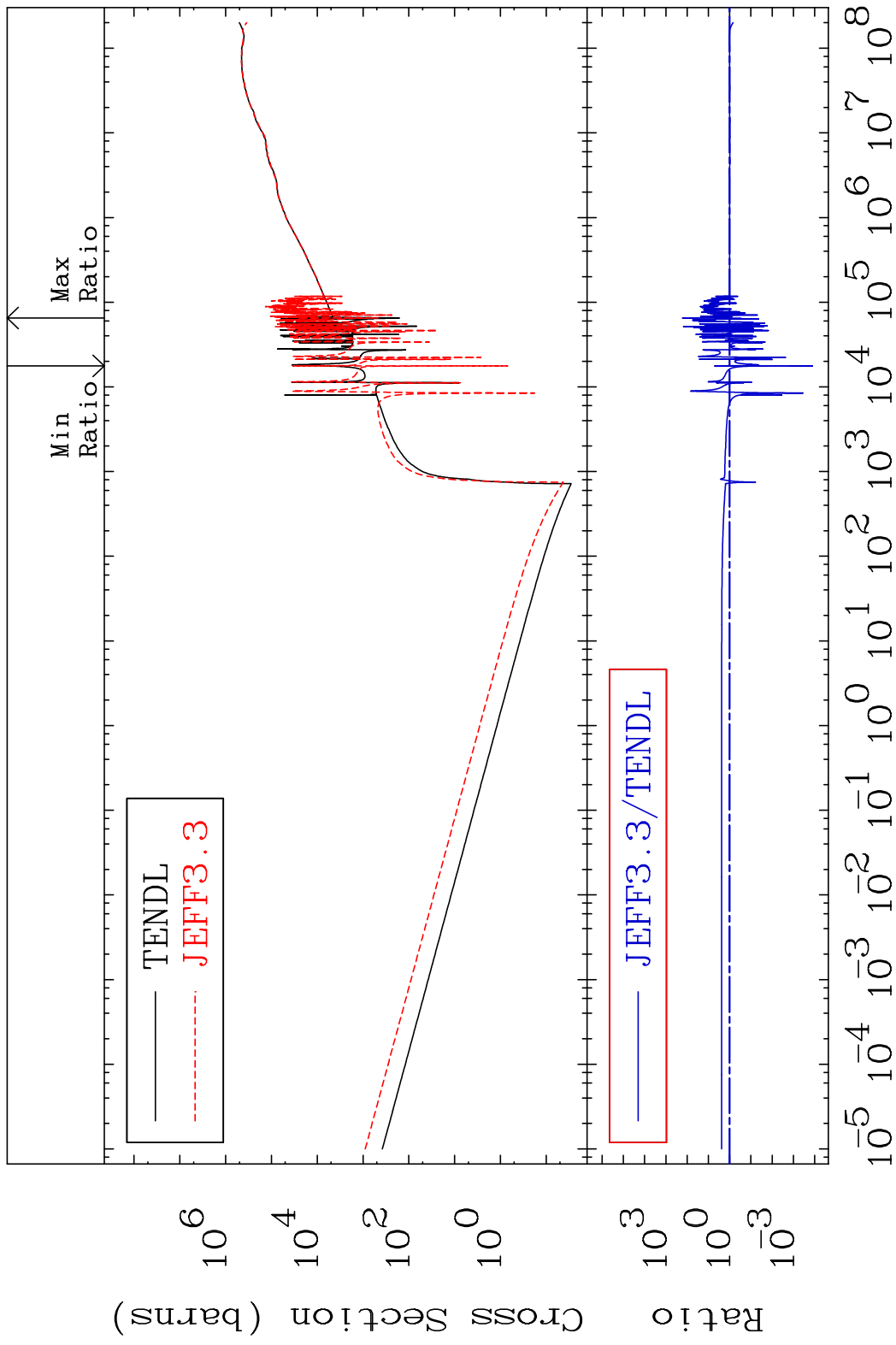
55 Incident Energy (eV) 50-Sn-126



MAT 5067 Total kinematic kerma (high limit) 50-Sn-126  
 Cross Section -99.98 To 9999. %



MAT 5067      Dpa total (eV-barns)      50-Sn-126  
 Cross Section      -99.99 To 9999. %

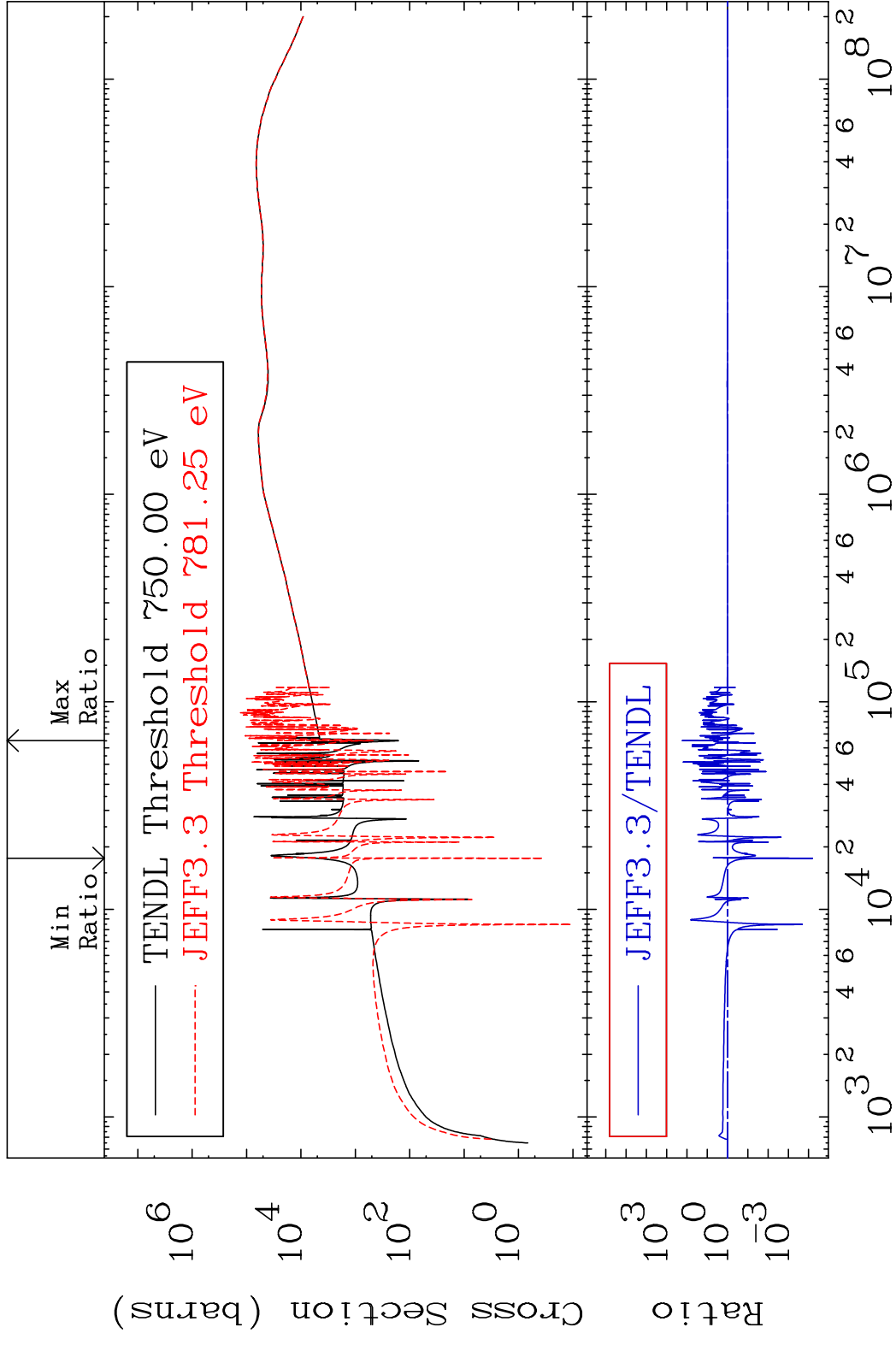


MAT 5067

Dpa elastic (mt2)

50-Sn-126

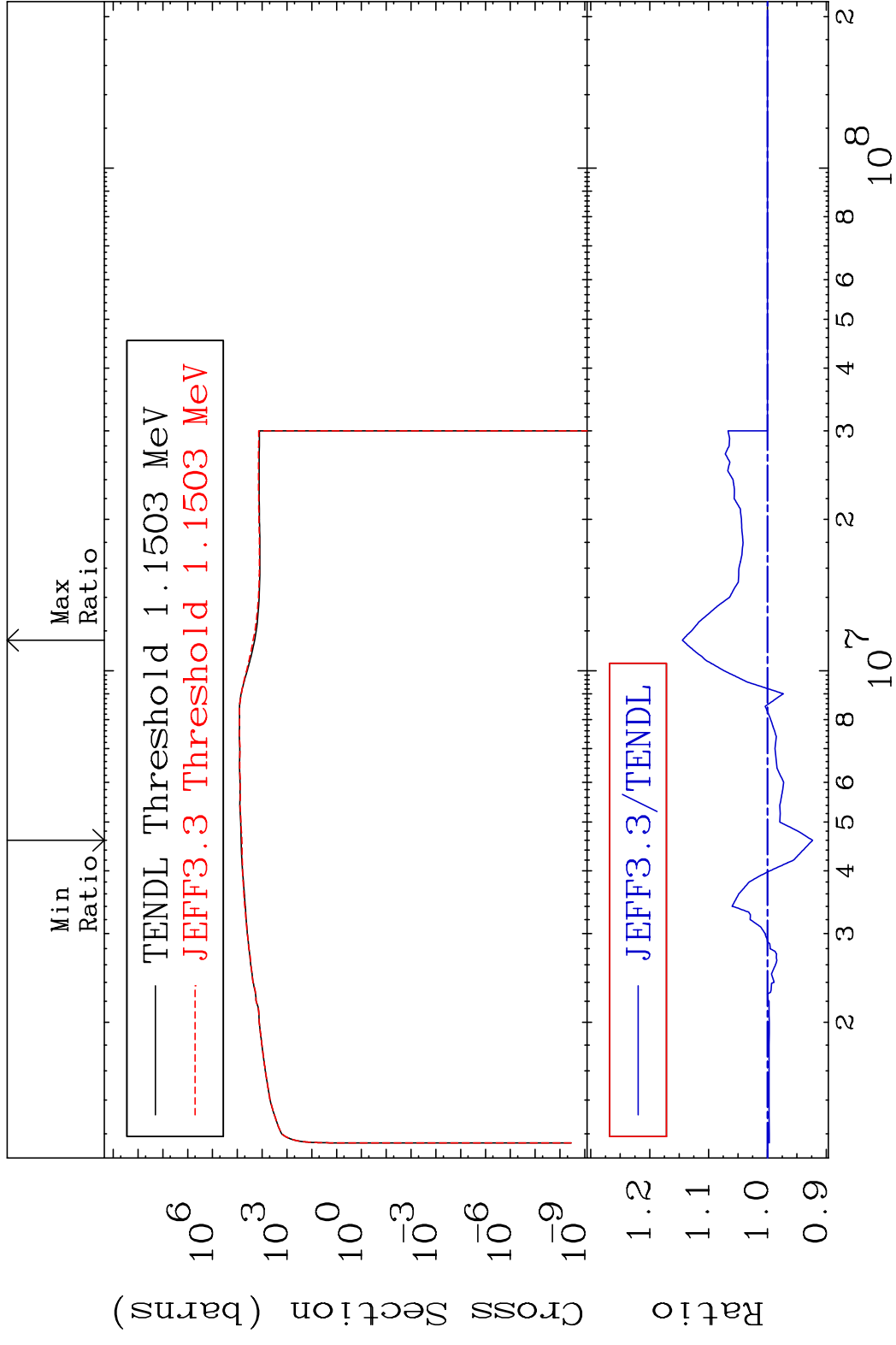
Cross Section -99.99 To 9999. %



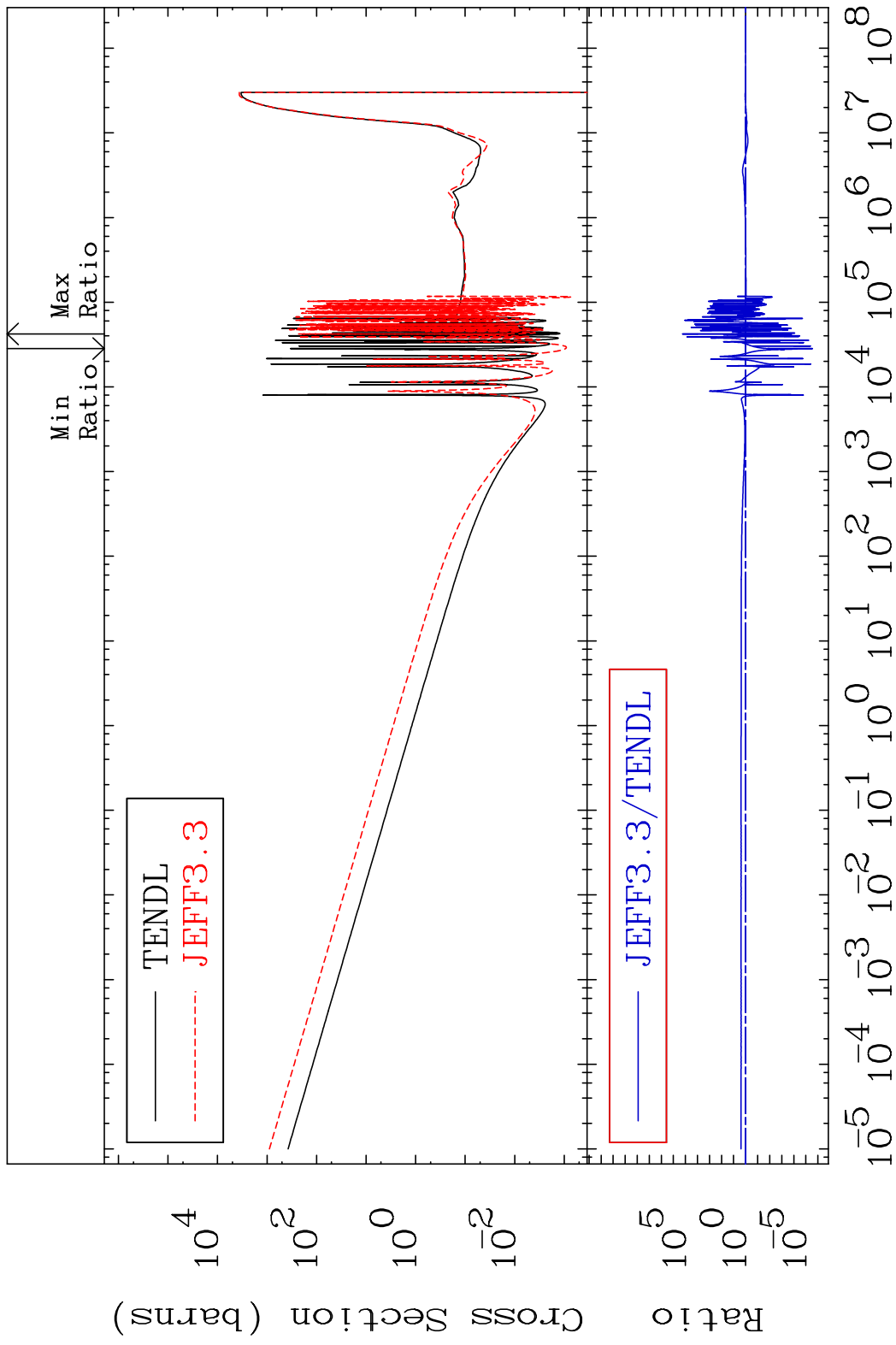
58

Incident Energy (eV)

50-Sn-126

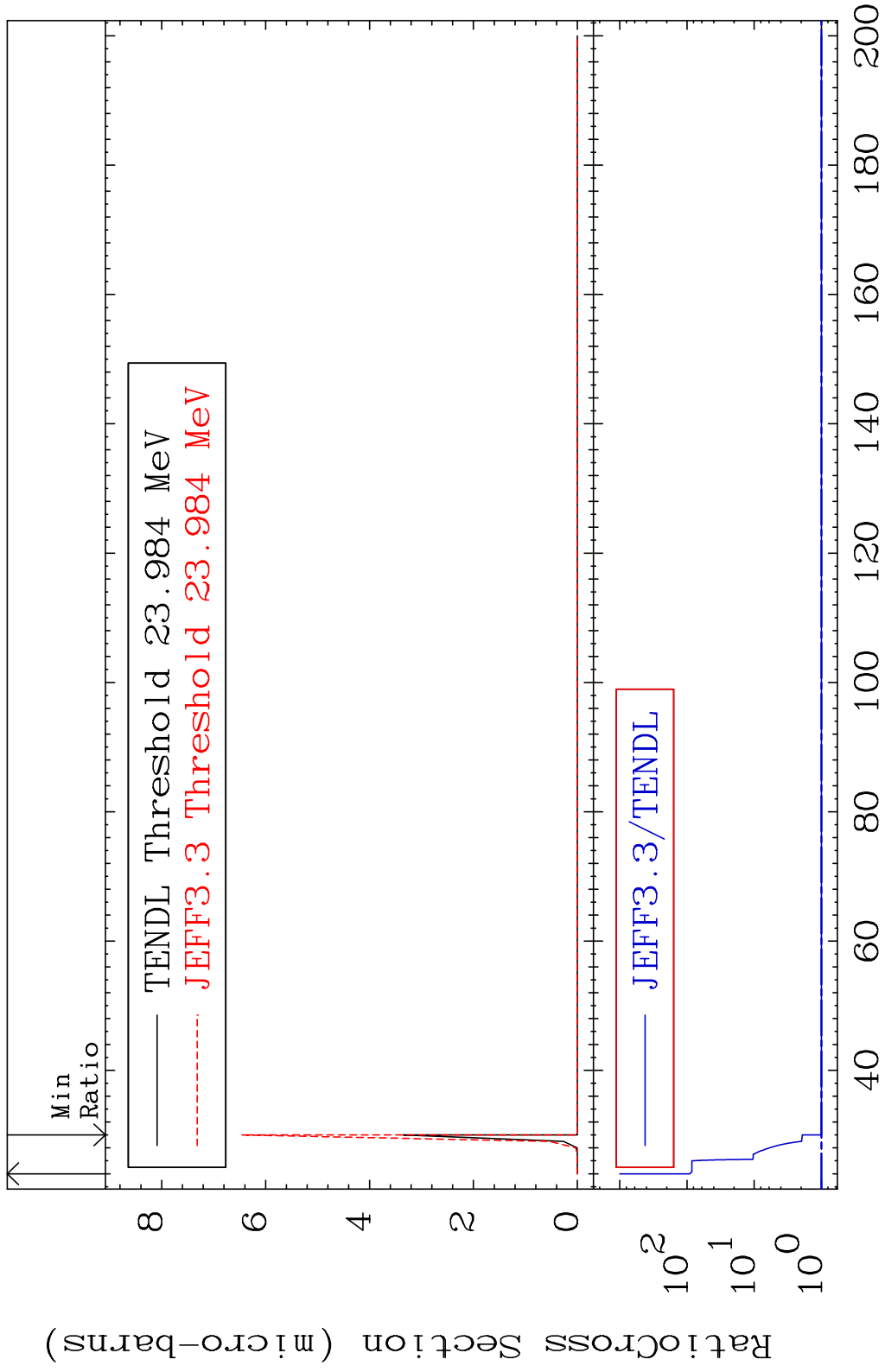


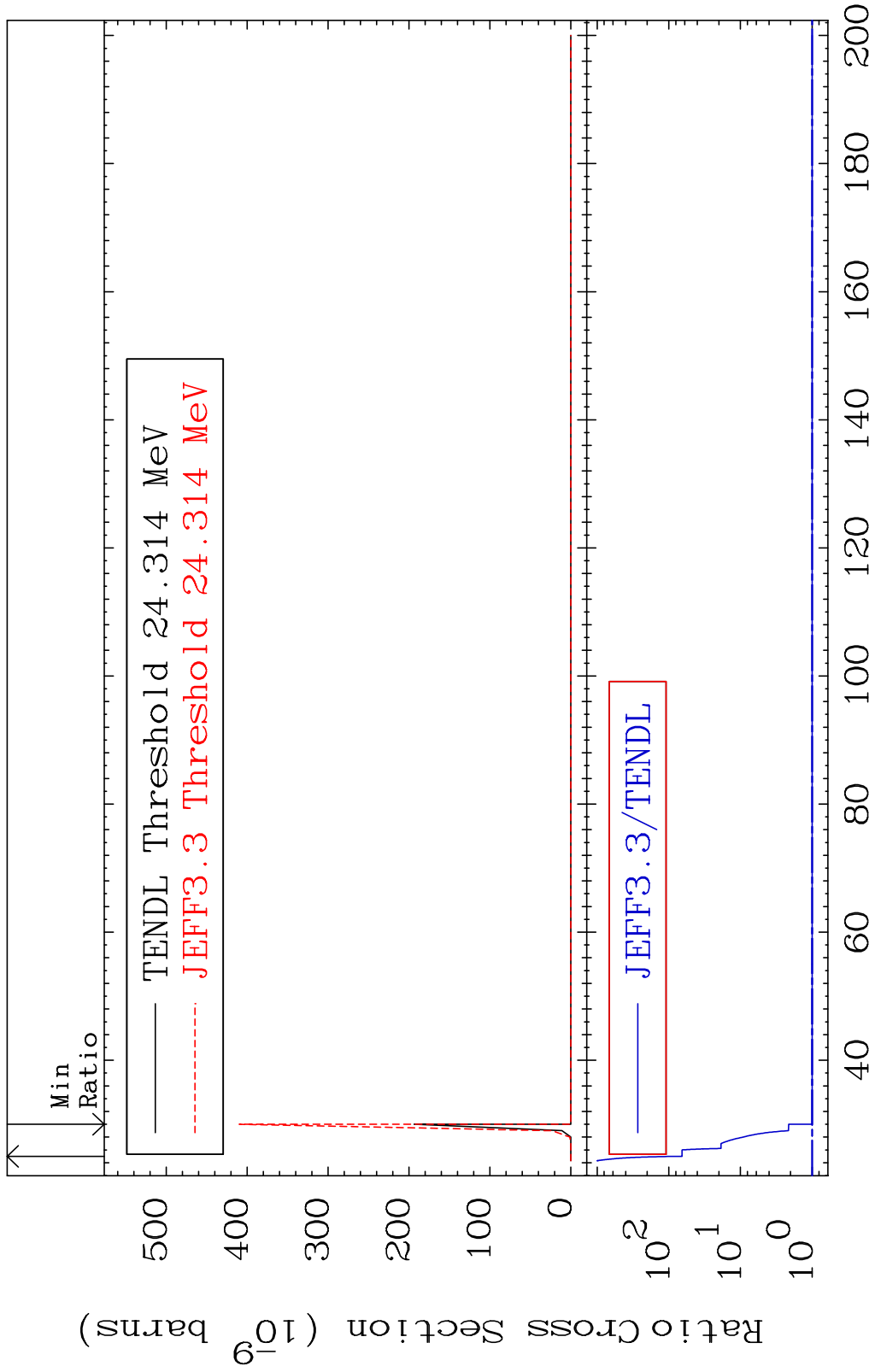
MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126  
 Cross Section -100.0 To 9999. %



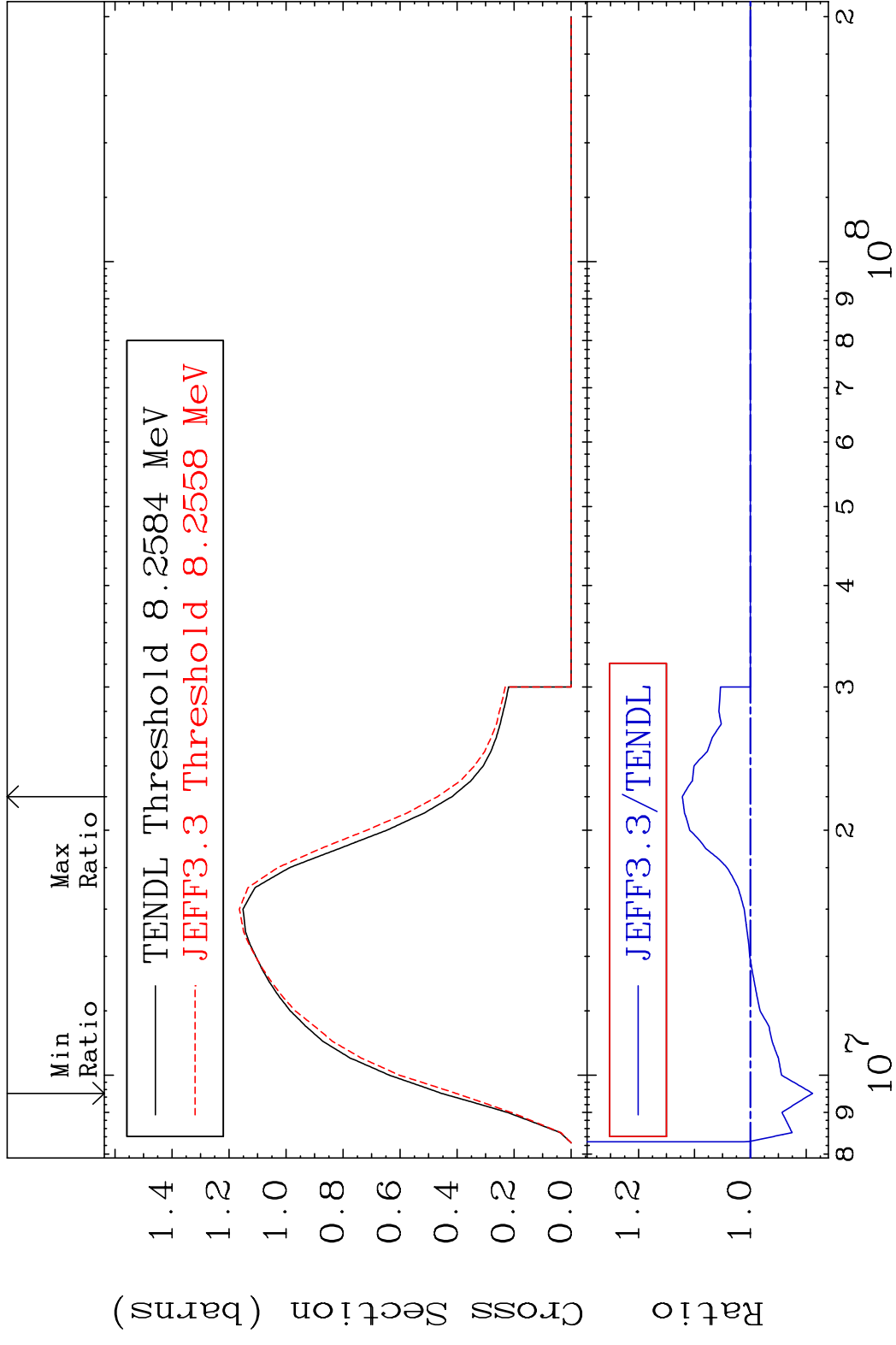
60 Incident Energy (eV) 50-Sn-126

MAT 5067 (n,2n) d:49-In-123g 50-Sn-126  
 Radionuclide Production Cross Section 8990. %



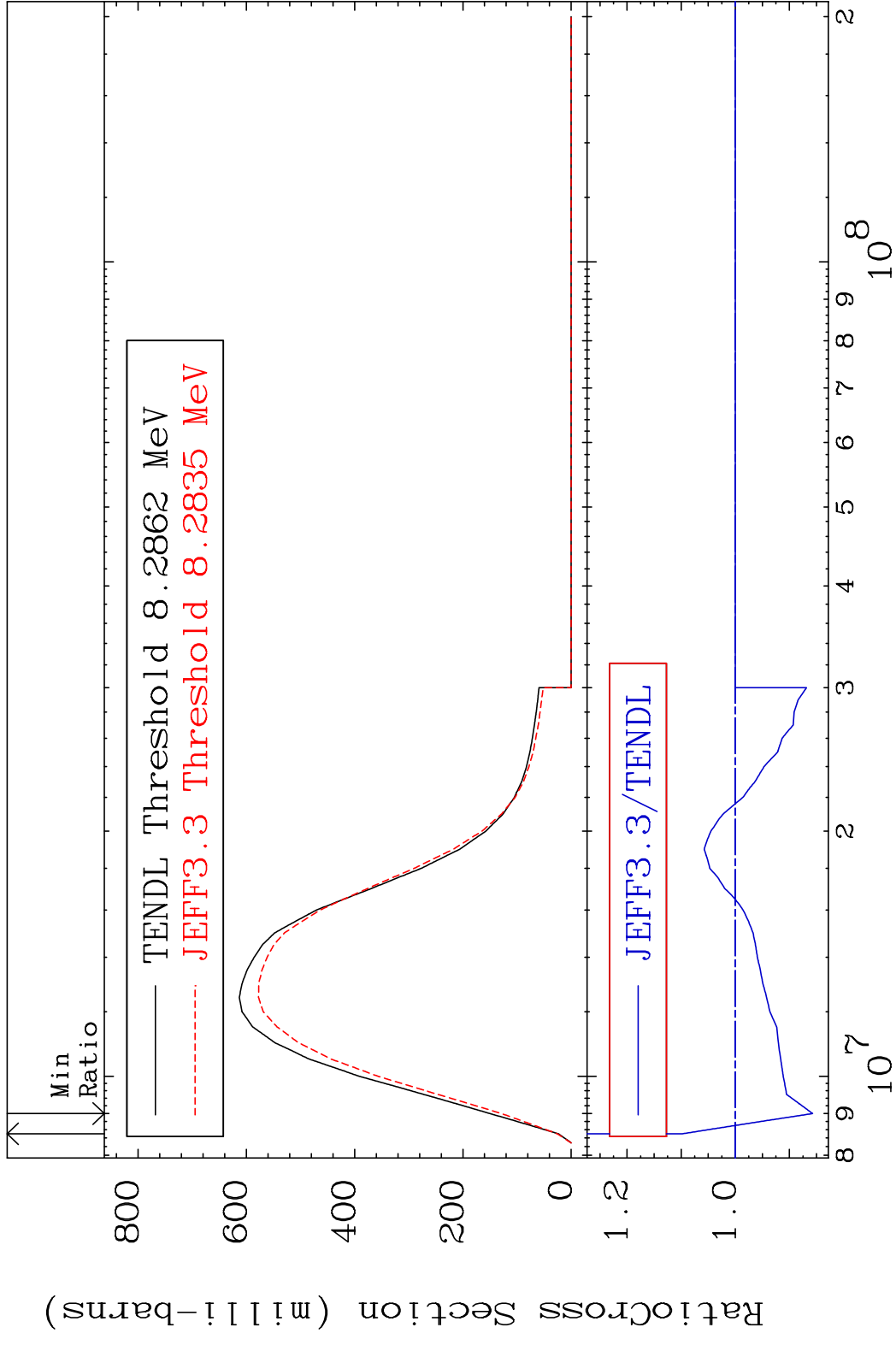


MAT 5067 (n,2n):50-Sn-125g 50-Sn-126  
 Radionuclide Production Cross Section 12.17 %

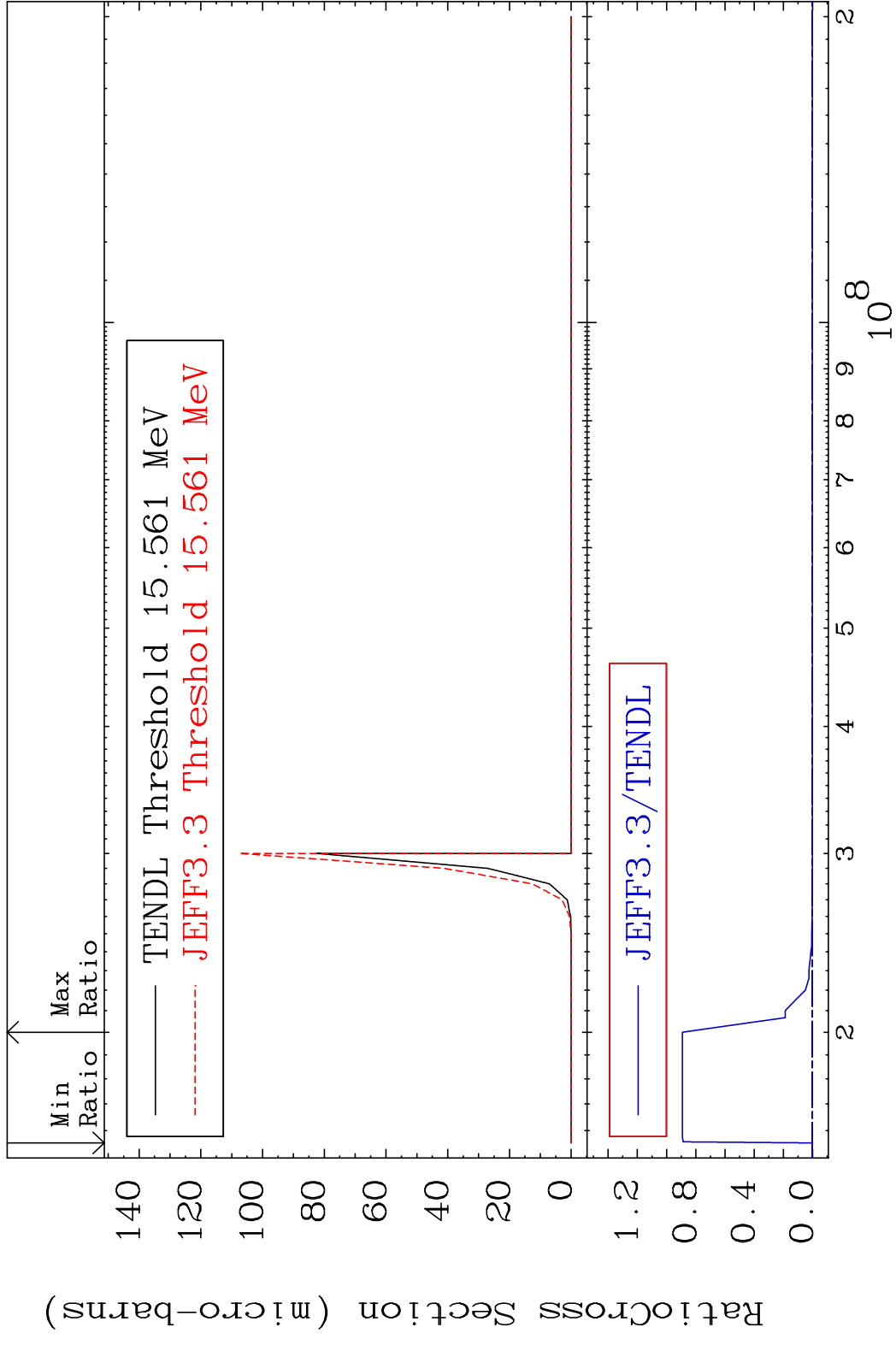


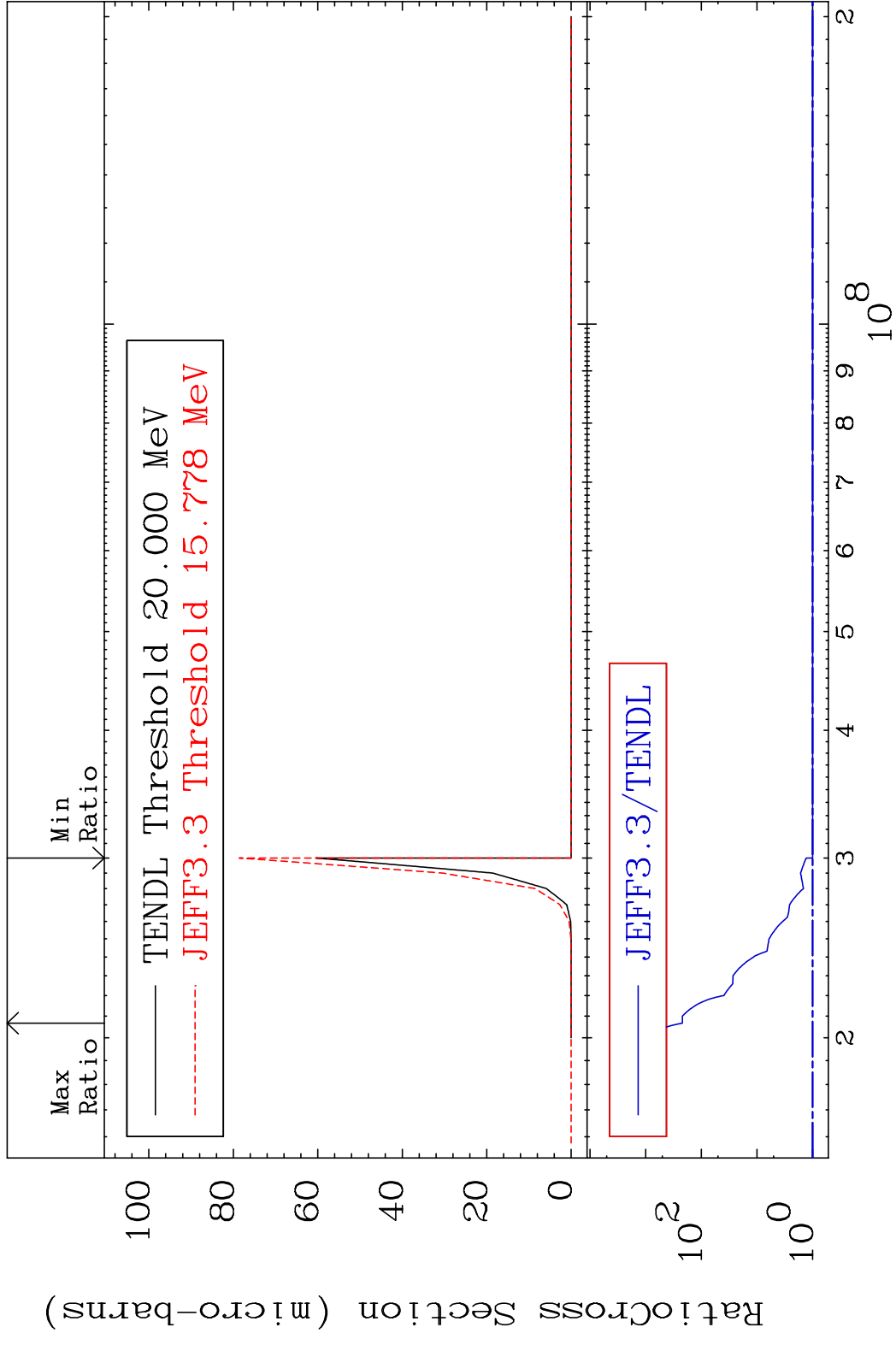


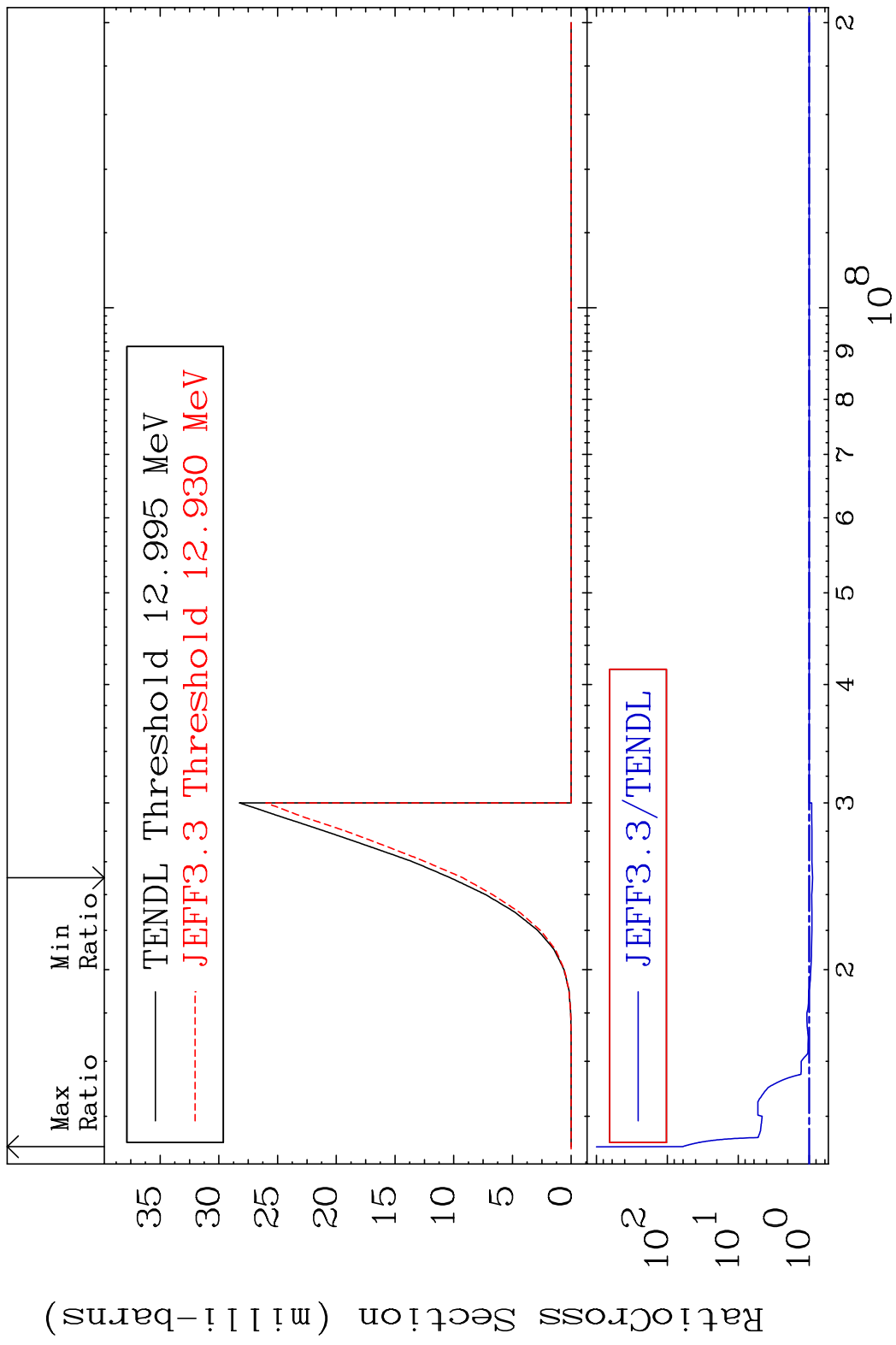
MAT 5067 (n,2n):50-Sn-125m1 50-Sn-126  
 Radionuclide Production Cross Section 9.784 %

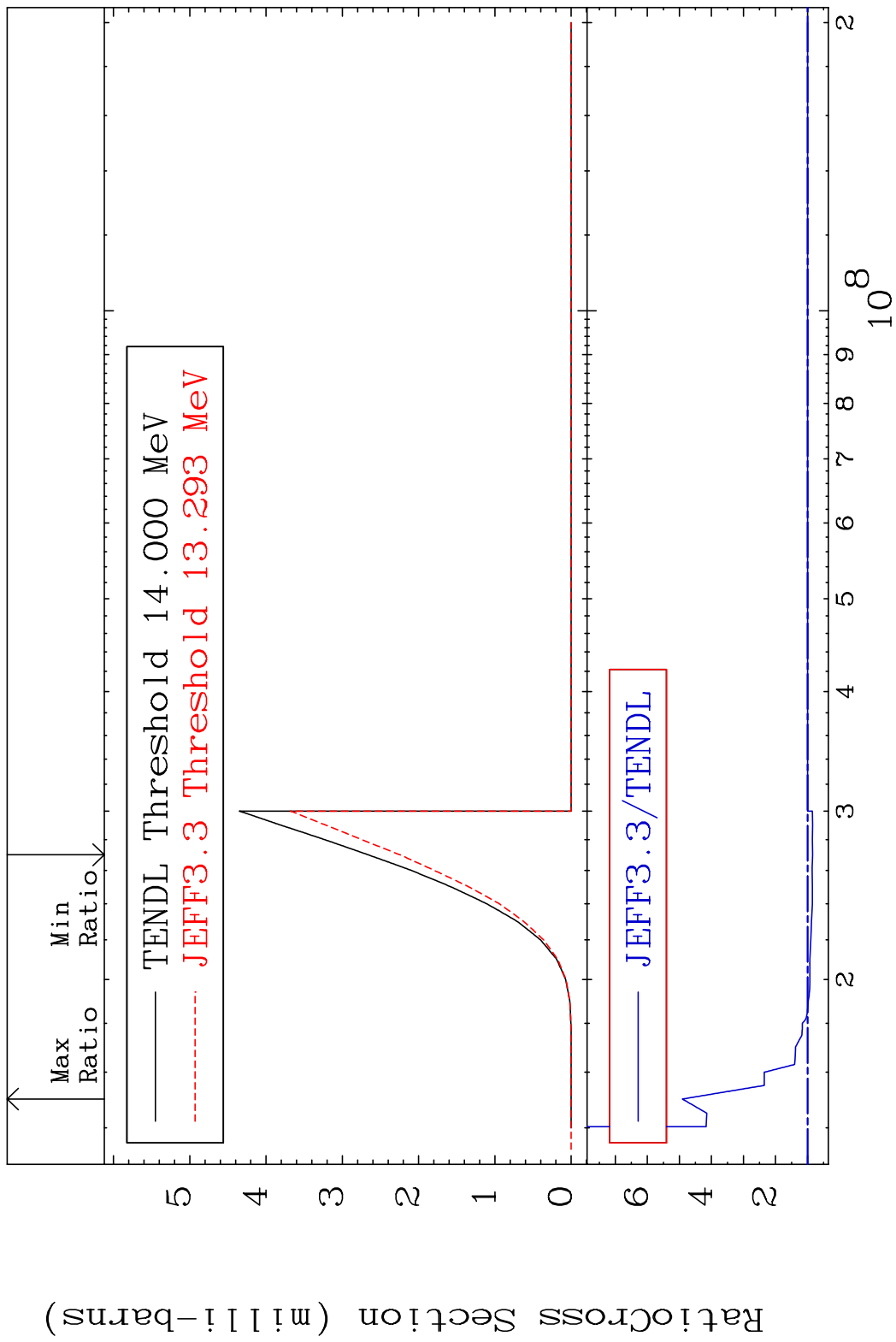


MAT 5067 (n,2n)  $\alpha$ :48-Cd-121g 50-Sn-126  
 Radionuclide Production Cross Section Ratio 9999. %

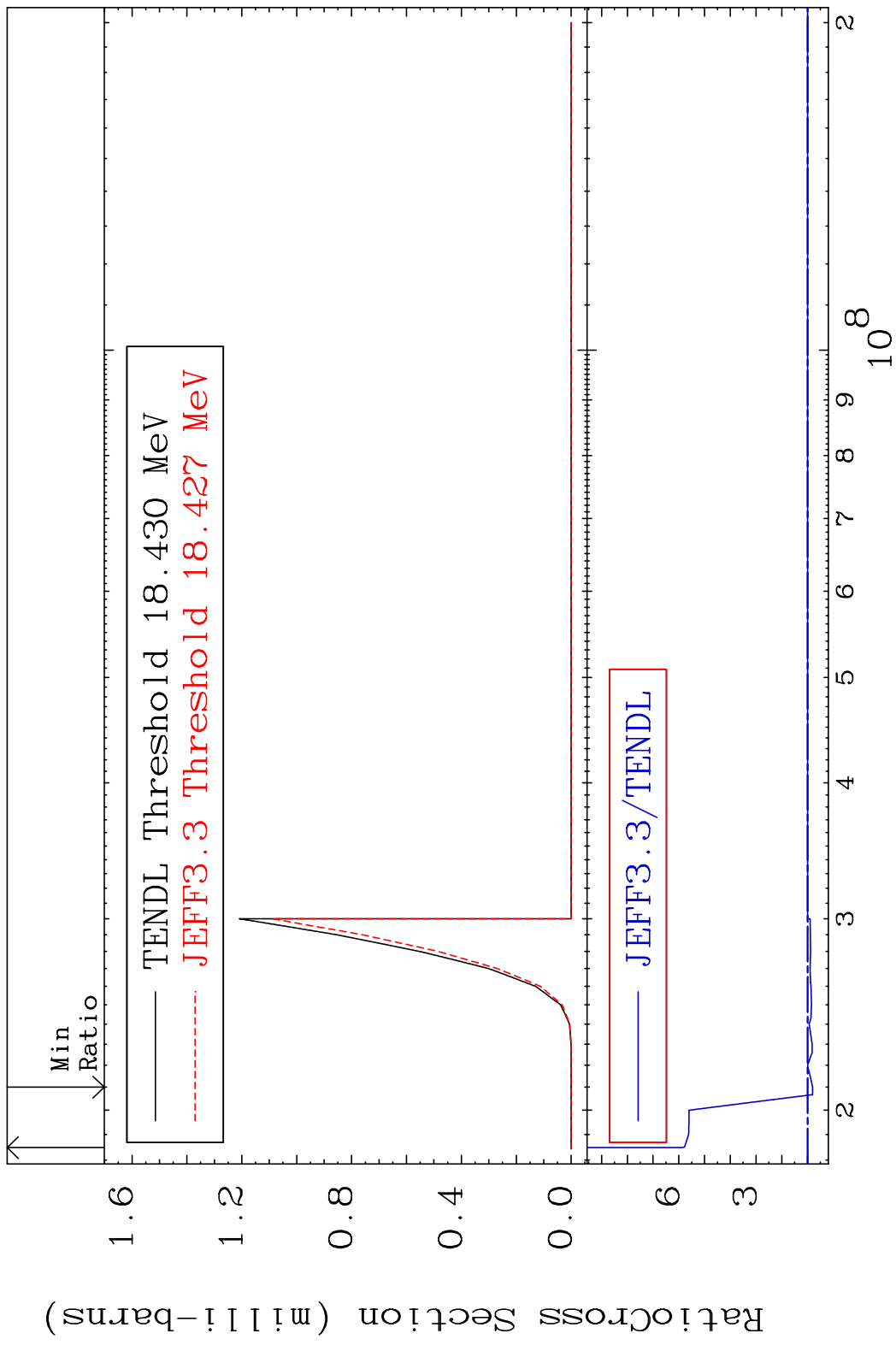


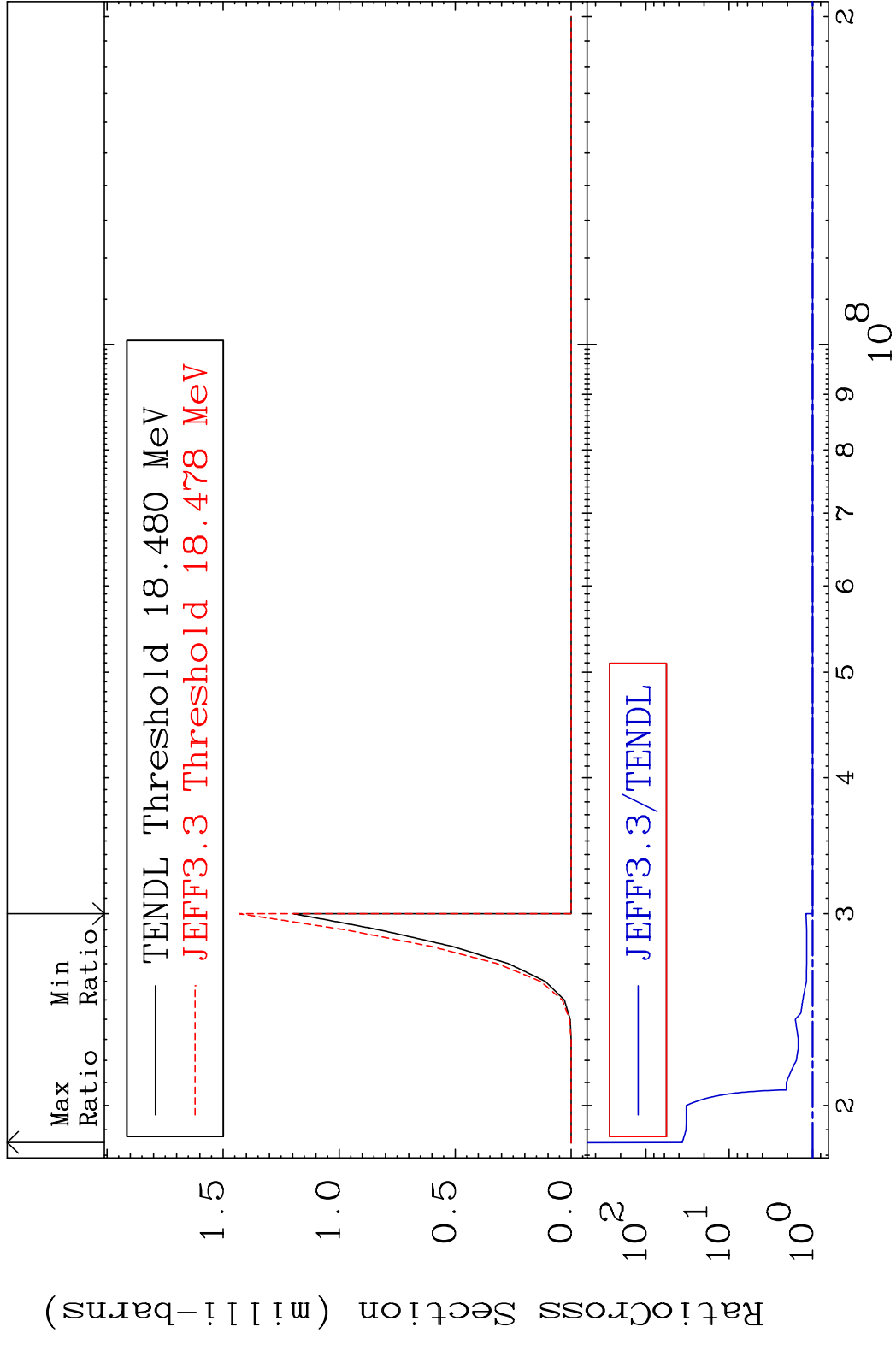


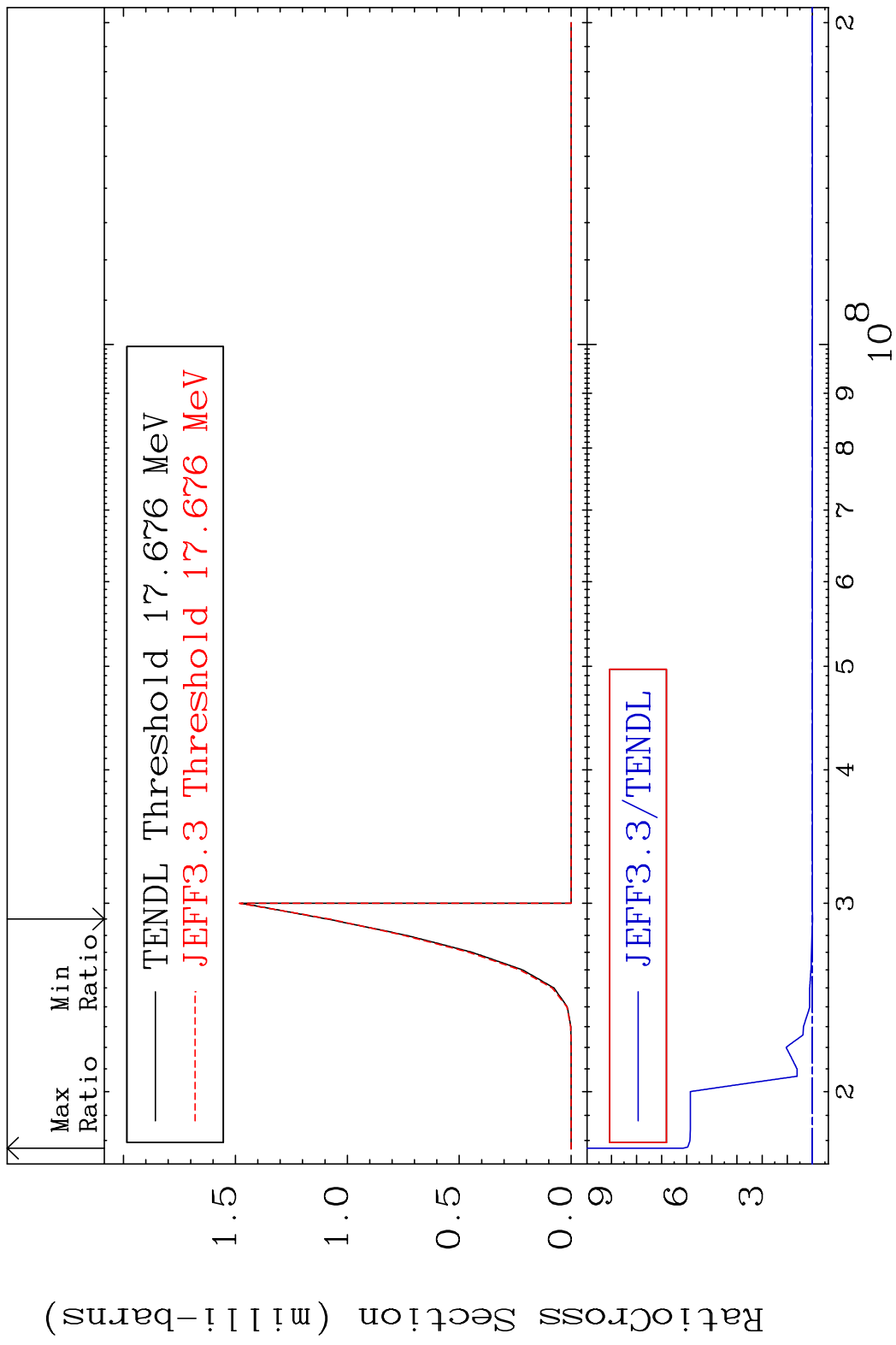




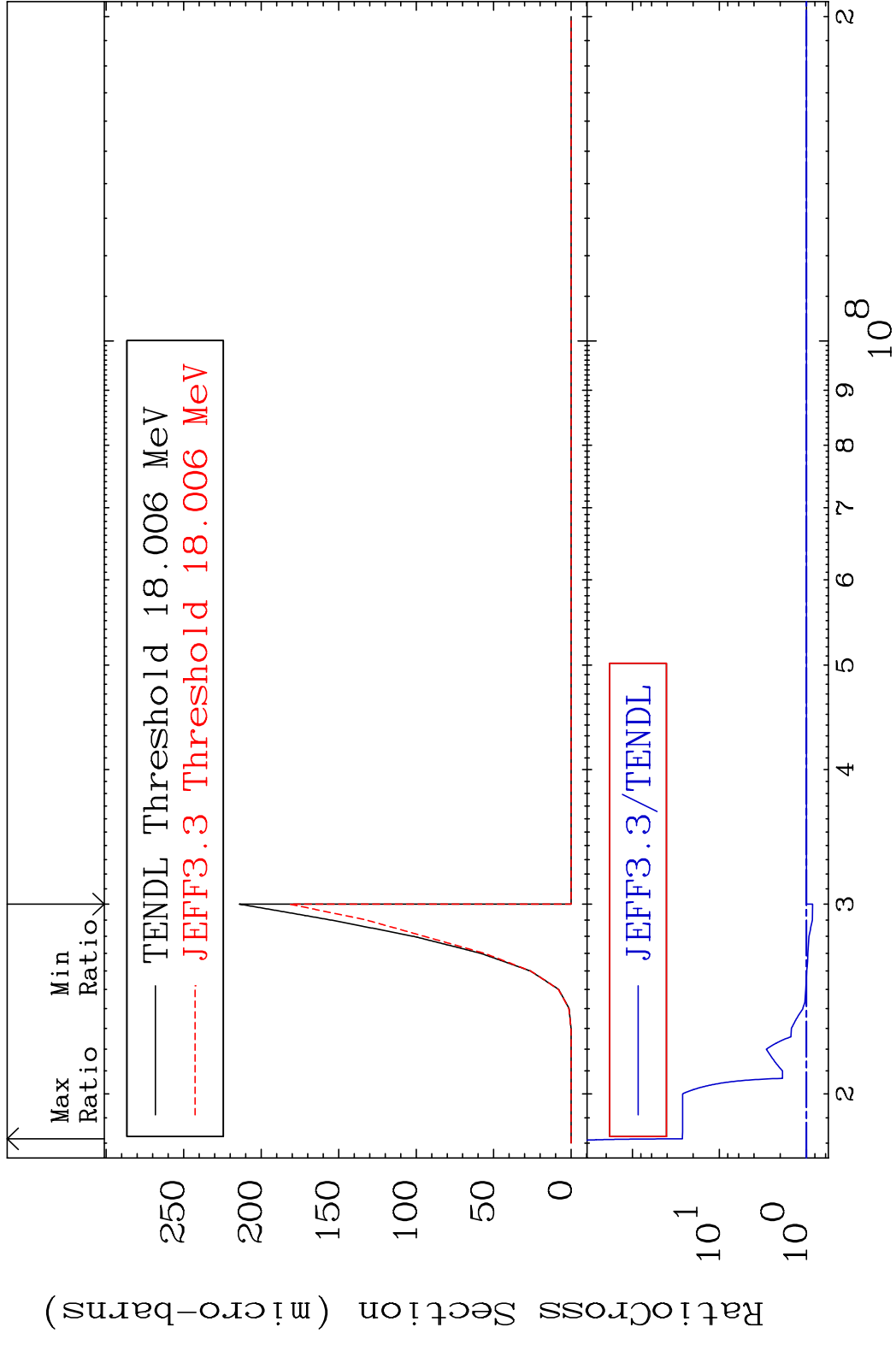
MAT 5067 (n, n') d:49-In-124g 50-Sn-126  
 Radionuclide Production Cross Section 1966 to 486.3 %



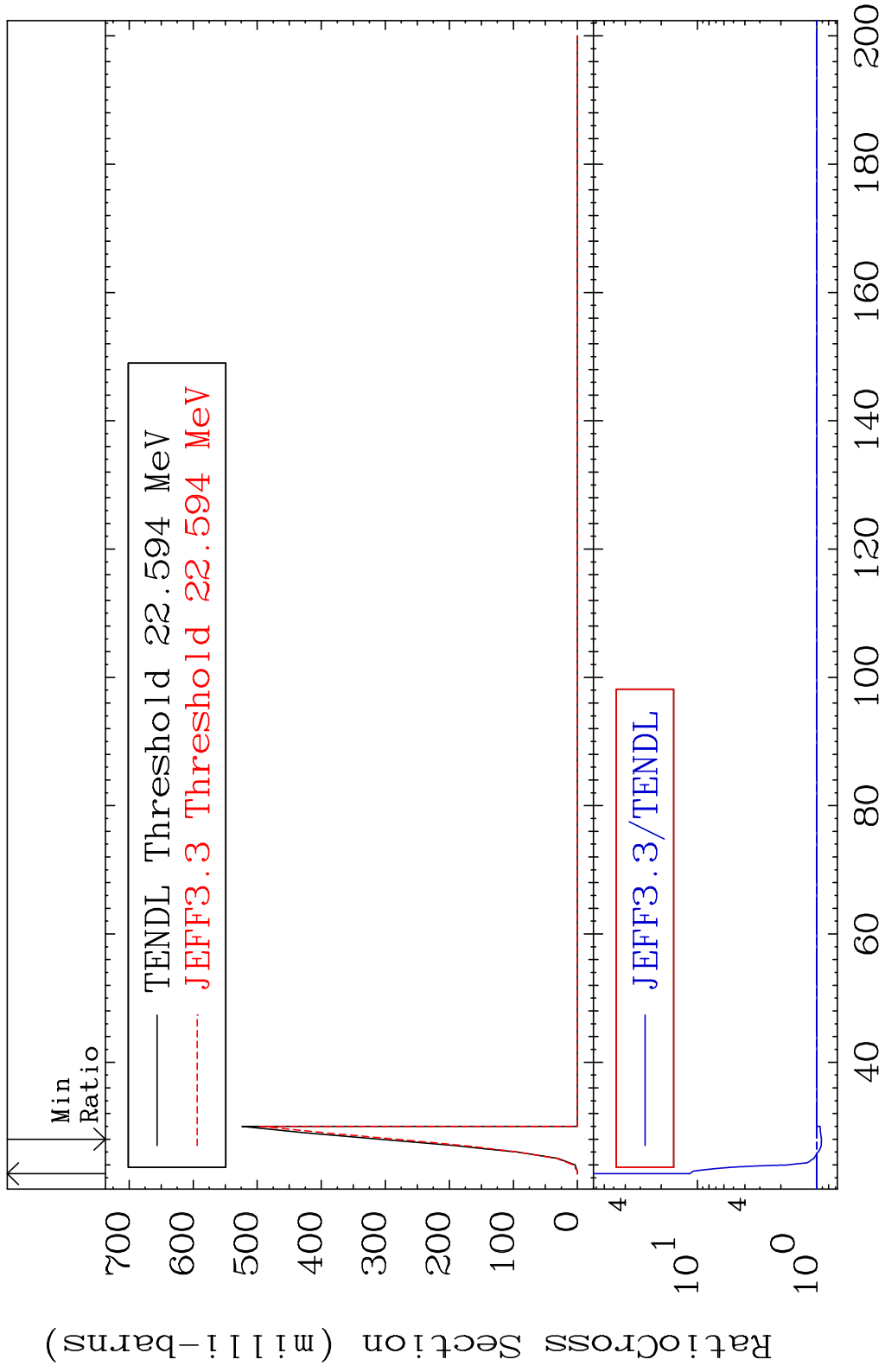




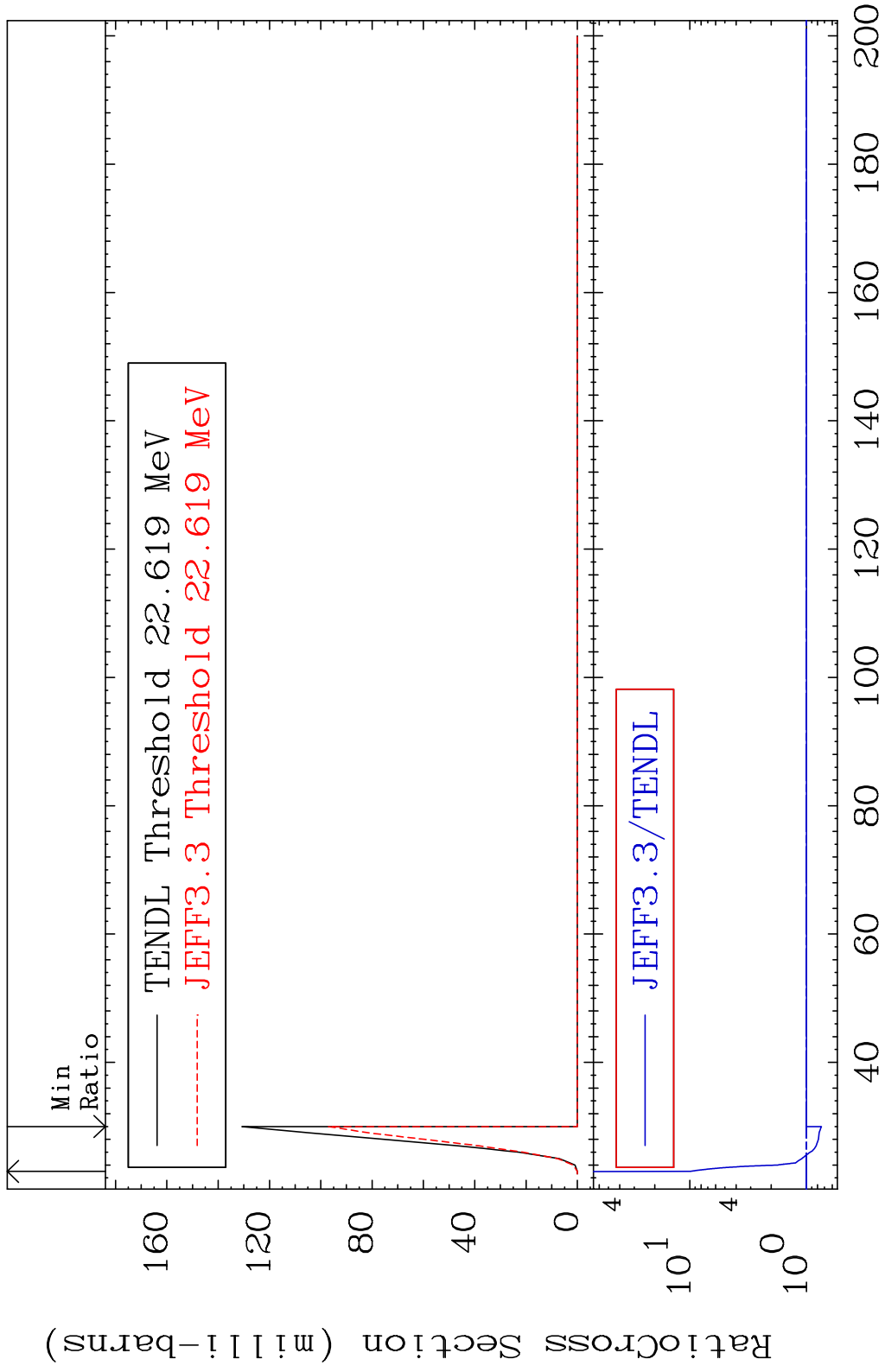




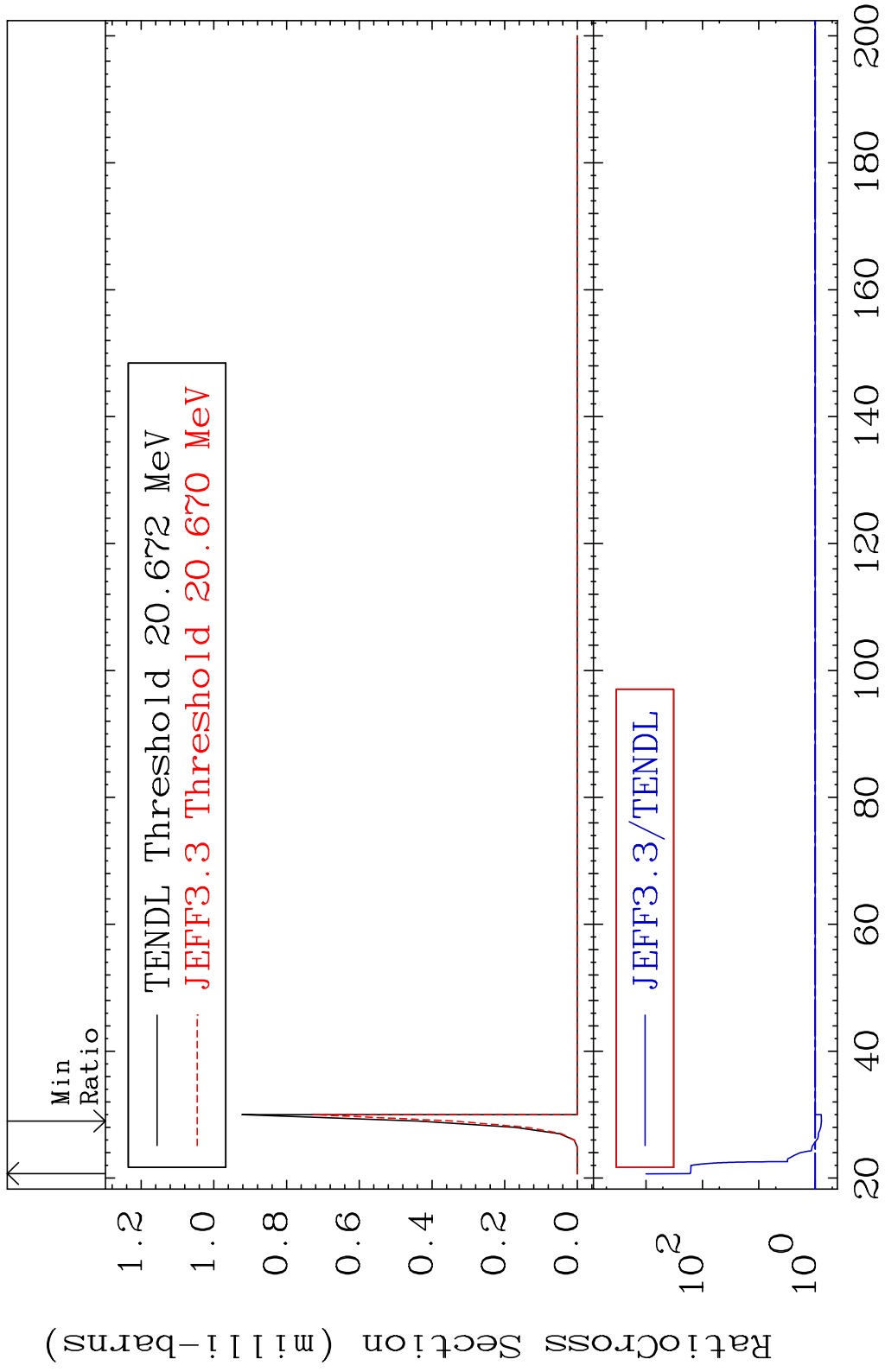
MAT 5067 (n,4n):50-Sn-123g 50-Sn-126  
 Radionuclide Production Cross Section 823410 1056. %



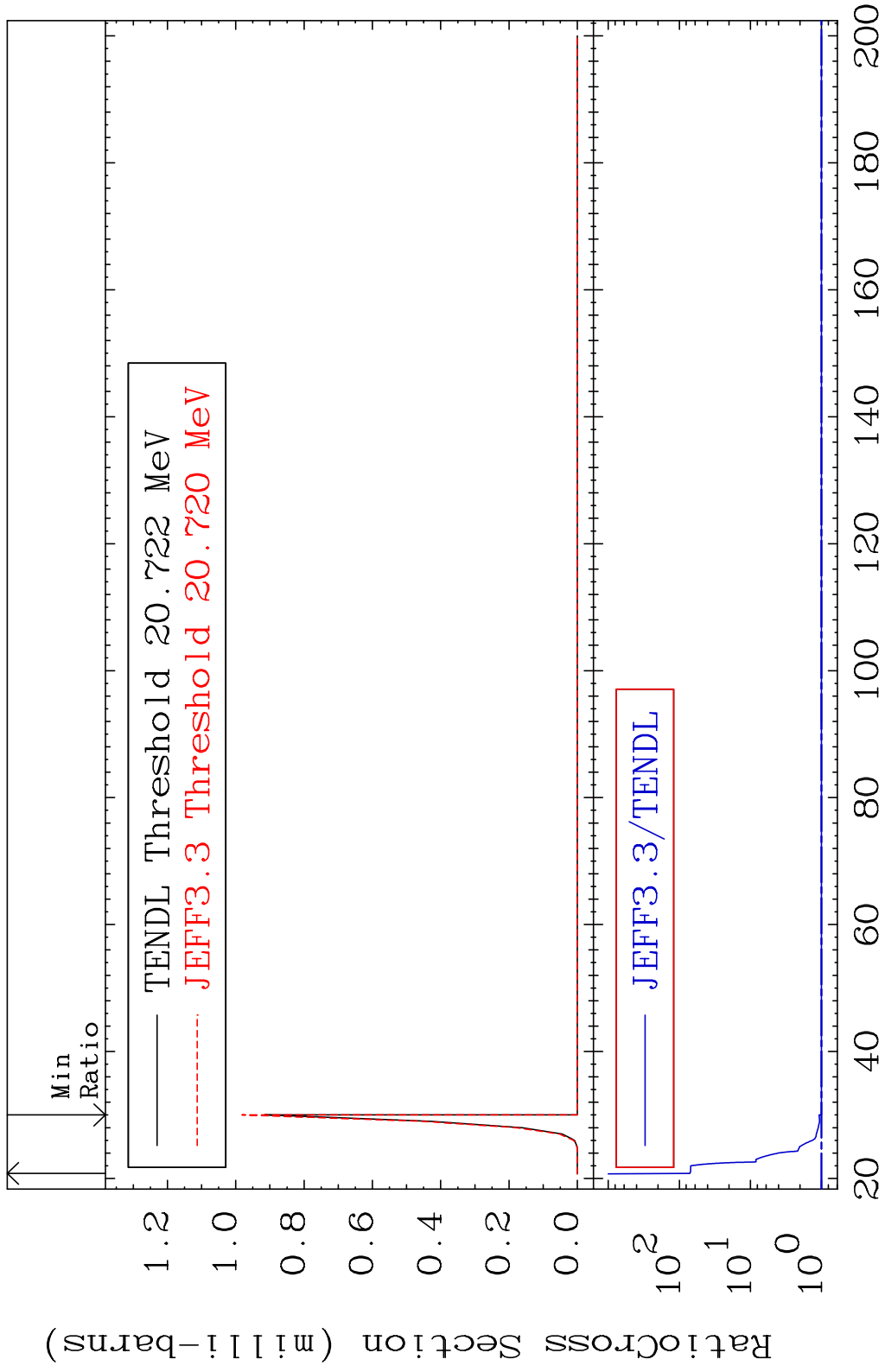
MAT 5067 (n, 4n):50-Sn-123m1 50-Sn-126  
 Radionuclide Production Cross Section 901.0 %



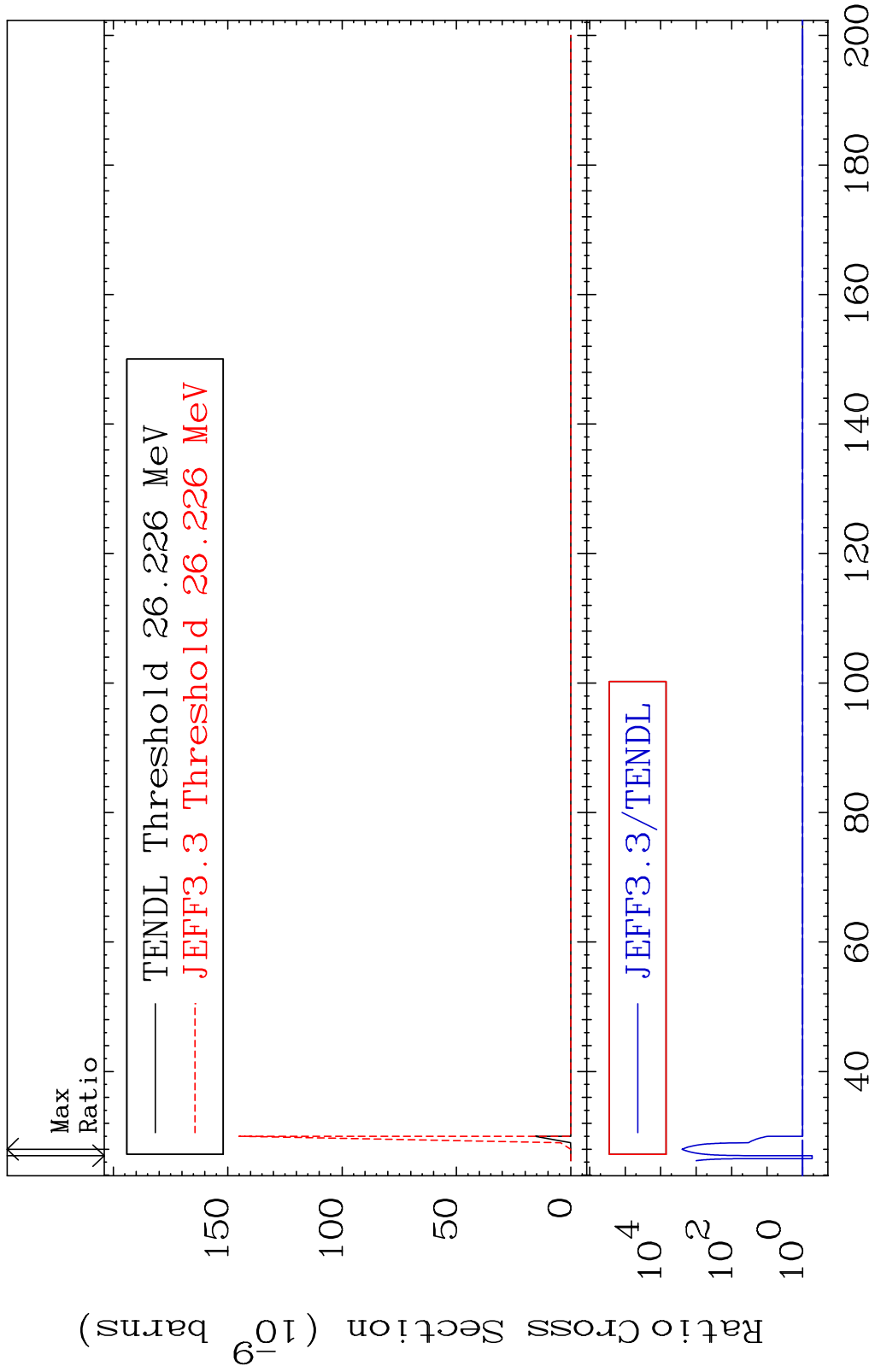
MAT 5067 (n,2n) p:49-In-124g 50-Sn-126  
 Radionuclide Production Cross Section 9999. %

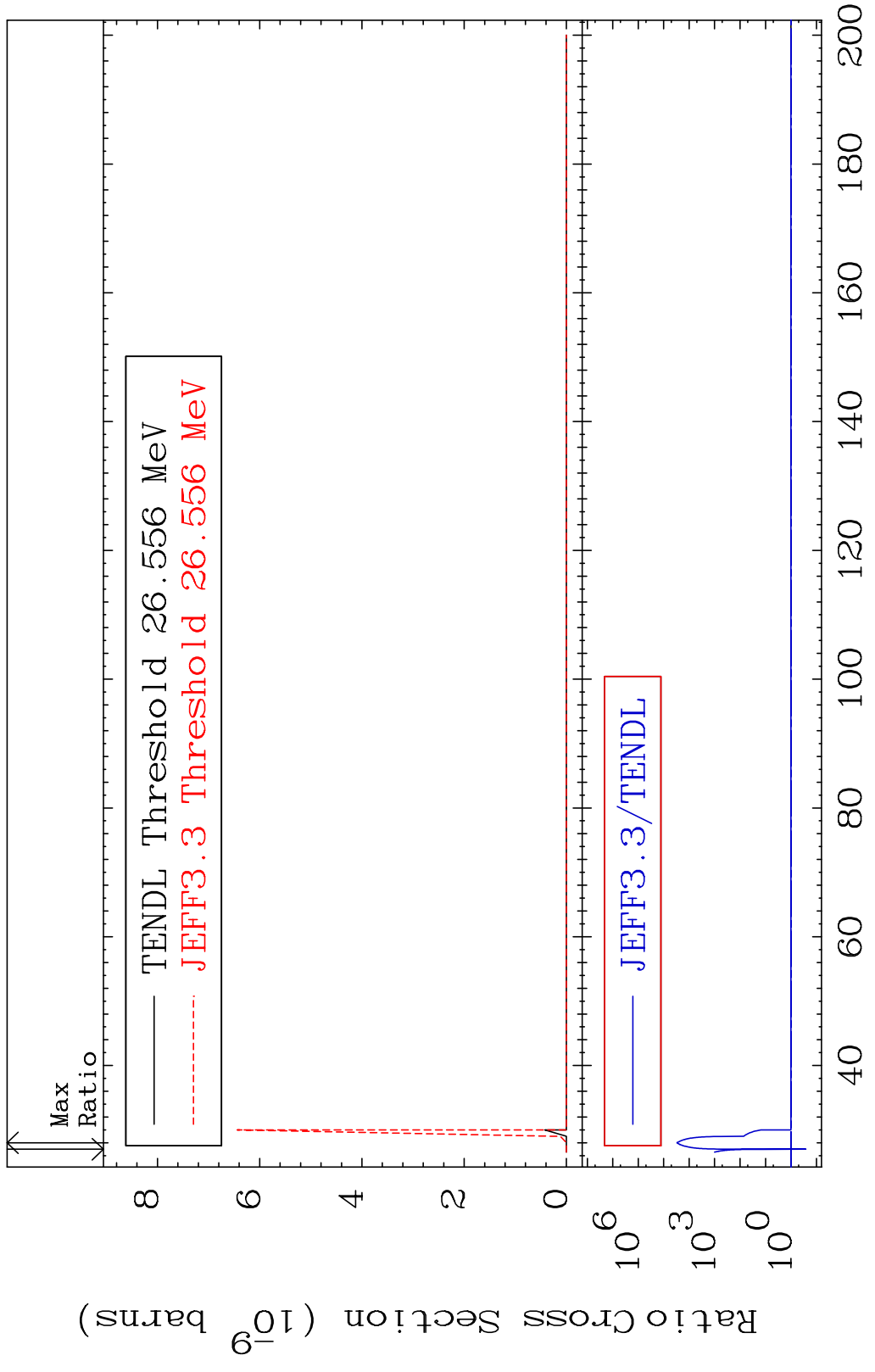


75 Incident Energy (MeV) 50-Sn-126

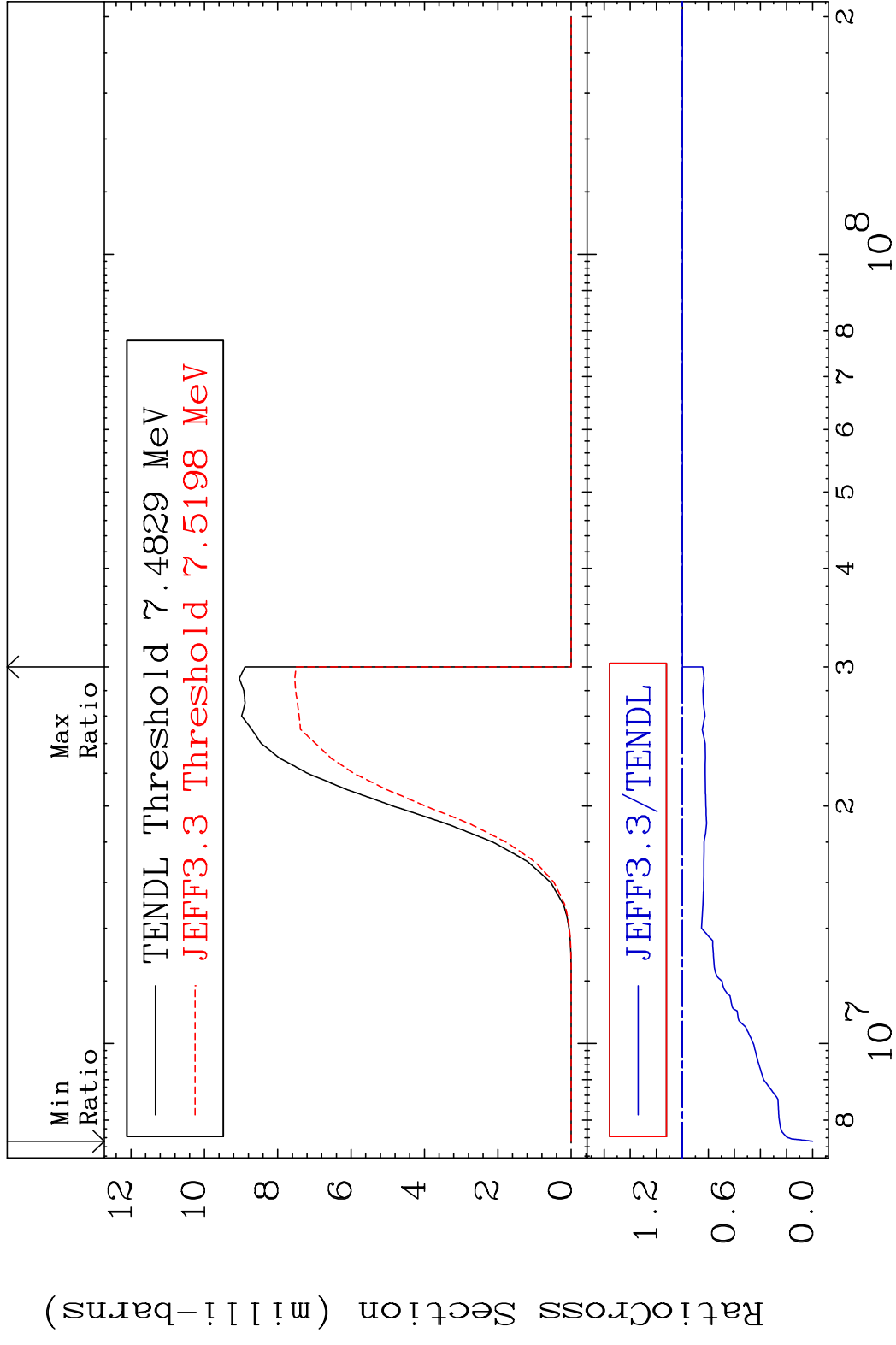


MAT 5067 (n,3n) p:49-In-123g 50-Sn-126  
 Radionuclide Production Cross Section 48.061 dth 9999. %



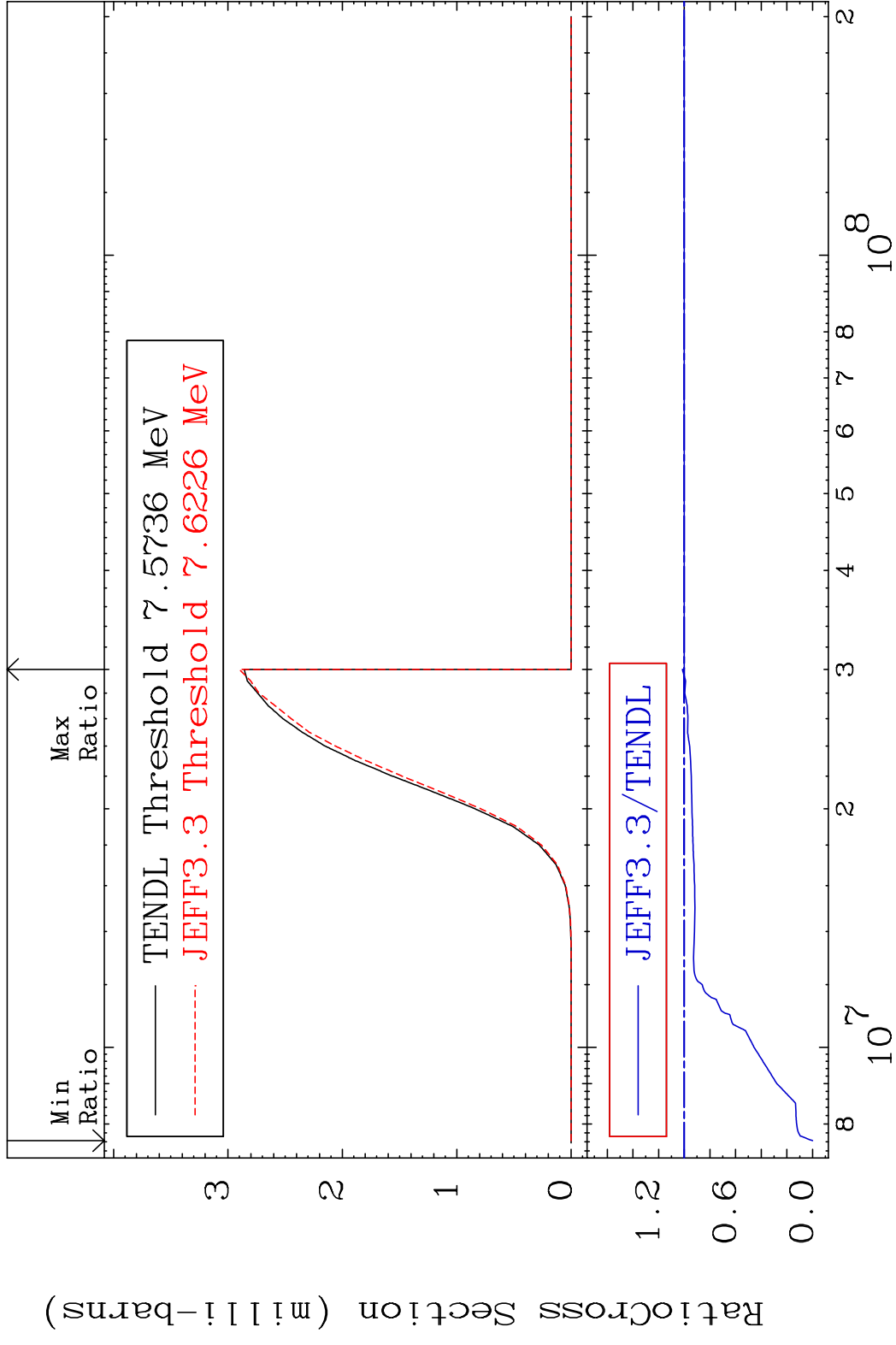


MAT 5067 (n,p):49-In-126 50-Sn-126  
 Radionuclide Production Cross Section 180.01 dth 0.000 %



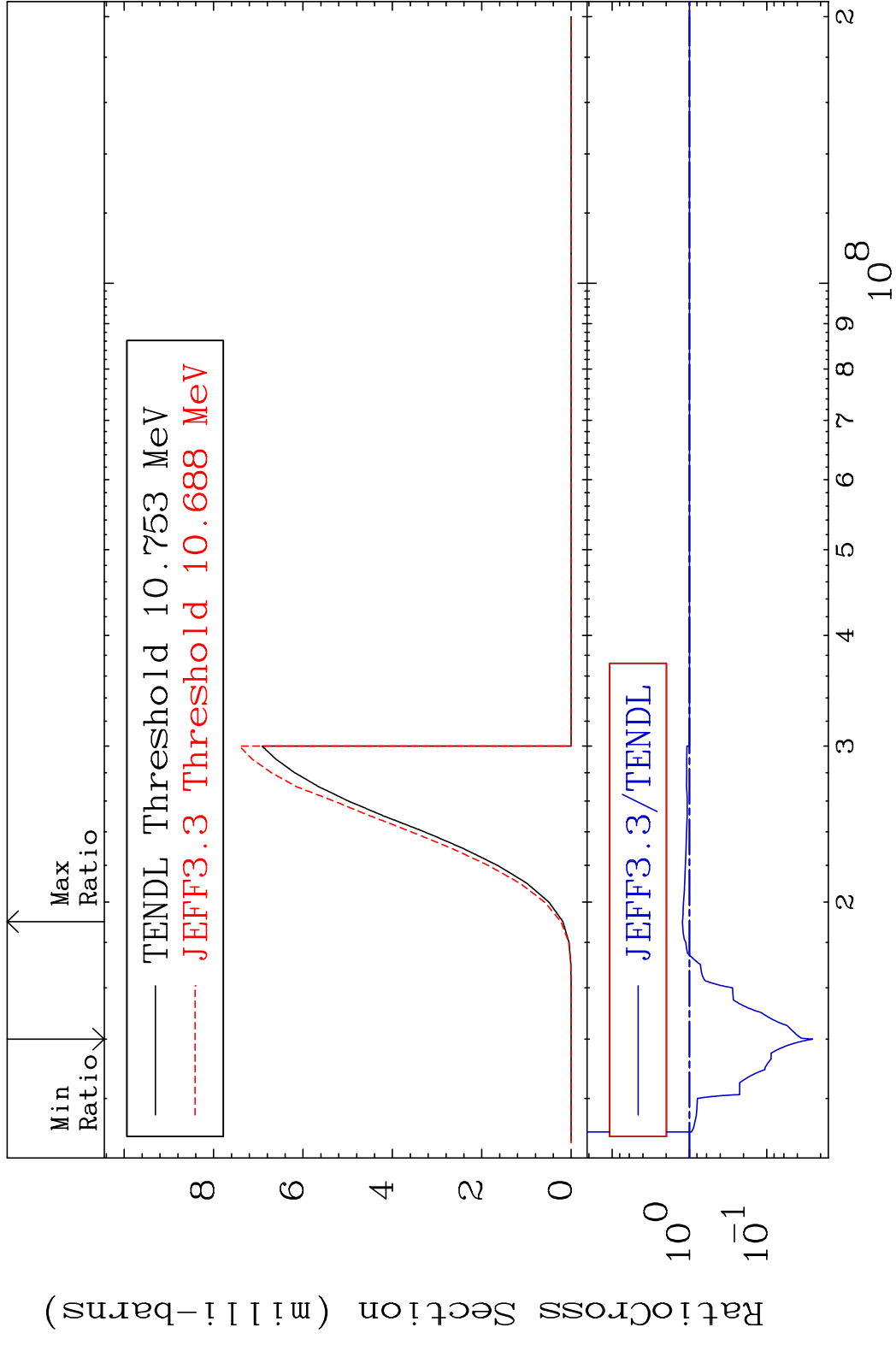


MAT 5067 (n,p):49-In-126m1 50-Sn-126  
 Radionuclide Production Cross Section Ratio 1.488 %

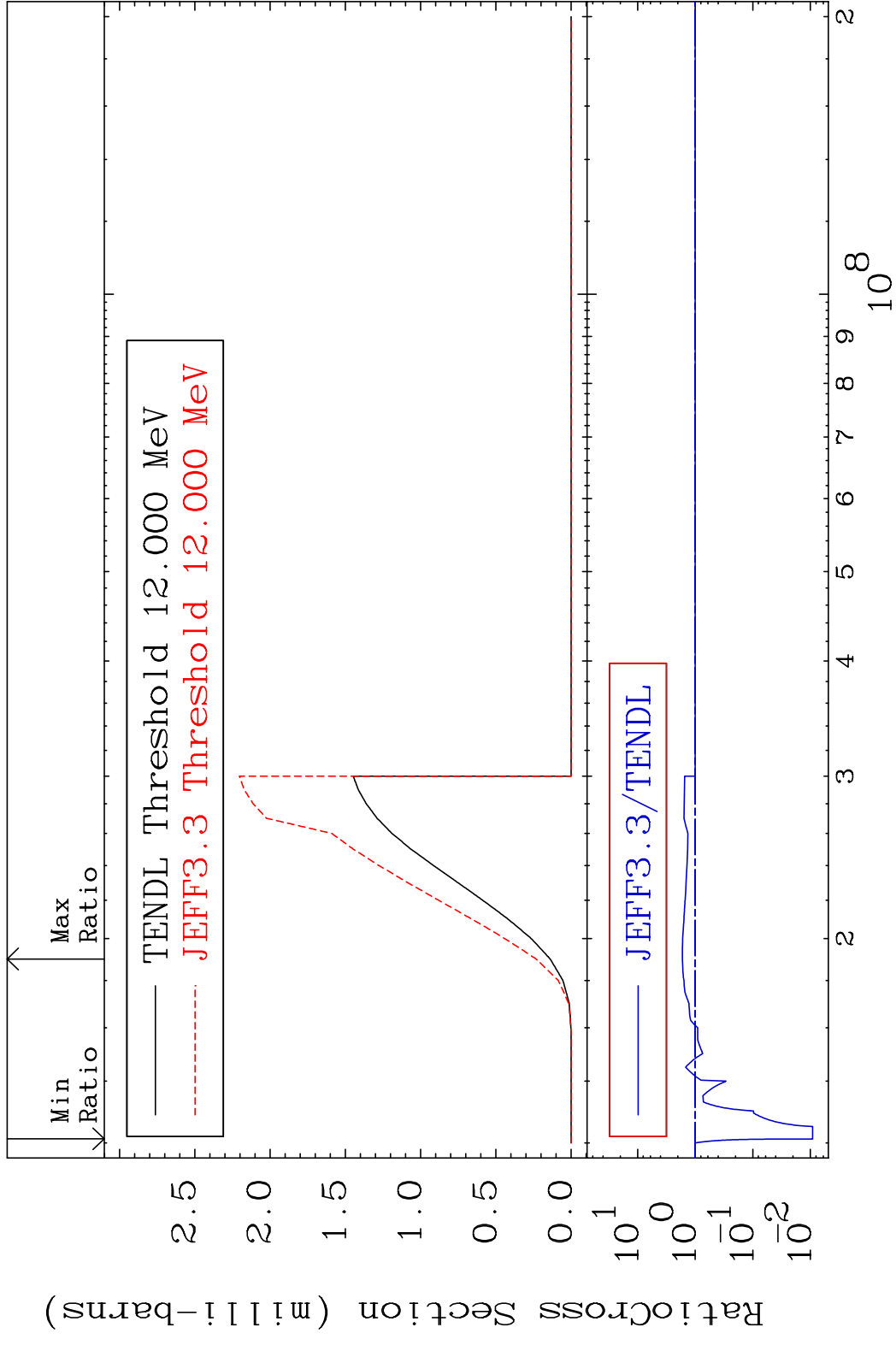


80 Incident Energy (eV) 50-Sn-126

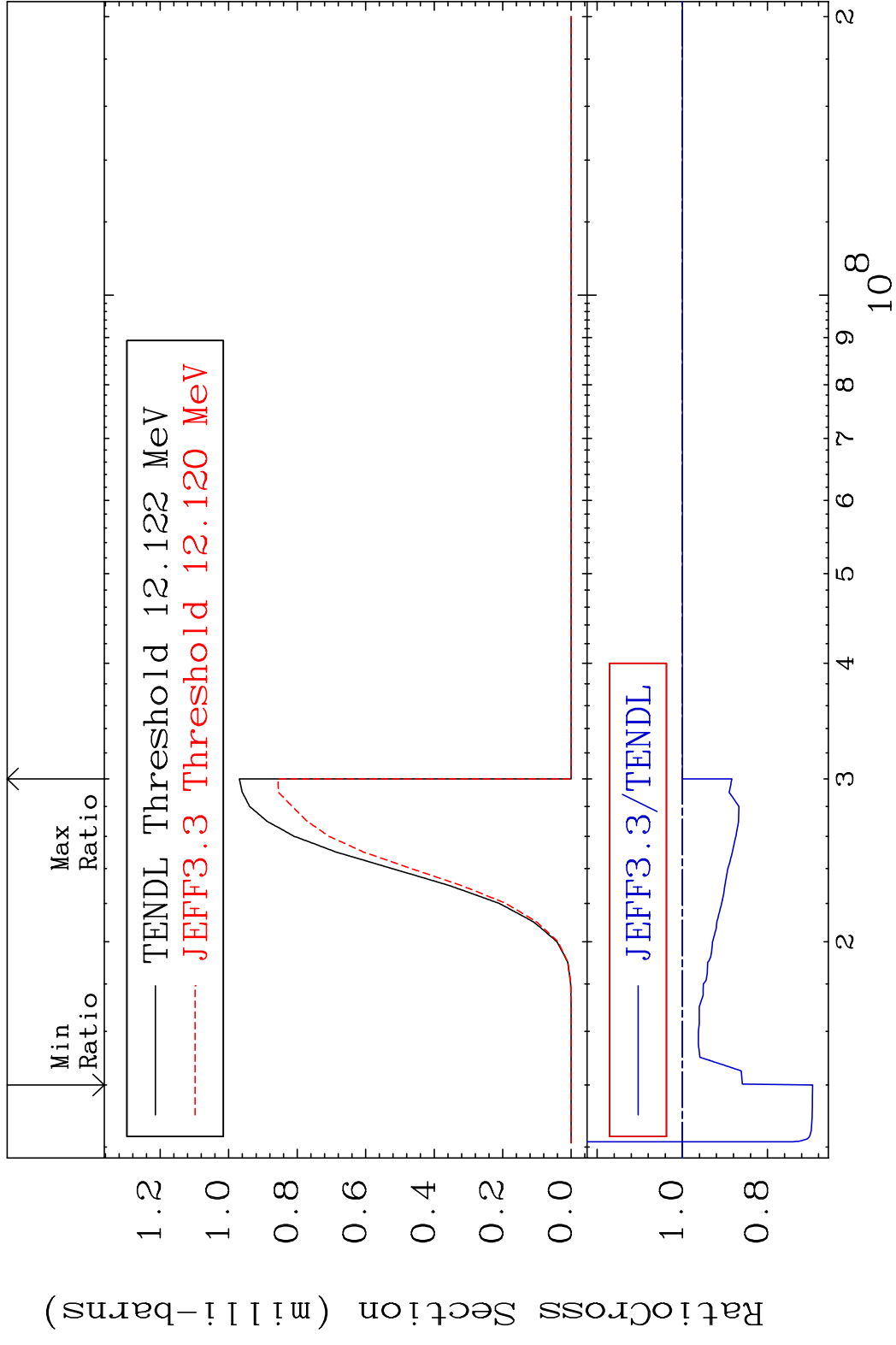
MAT 5067 (n,d):49-In-125g 50-Sn-126  
 Radionuclide Production Cross Section 23.30 %



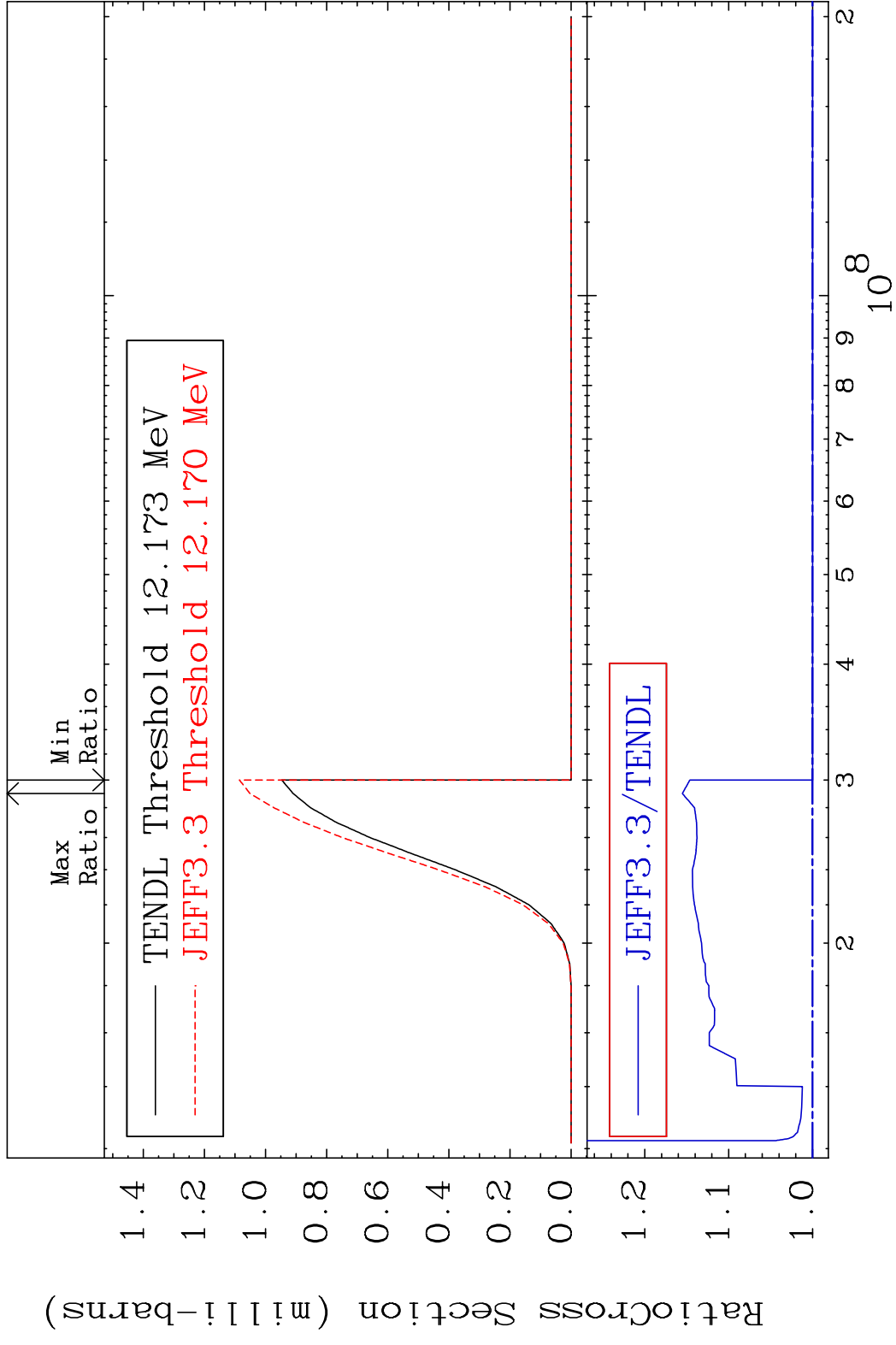
MAT 5067 (n, d): 49-In-125m1 50-Sn-126  
 Radionuclide Production Cross Section 67.23 %



MAT 5067 (n, t): 49-In-124g 50-Sn-126  
 Radionuclide Production Cross Section 0.000 %



MAT 5067 (n, t): 49-In-124m2 50-Sn-126  
 Radionuclide Production Cross Section 15.52 %



MAT 5067 (n,α): 48-Cd-123g 50-Sn-126  
 Radionuclide Production Cross Section (%)

