

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

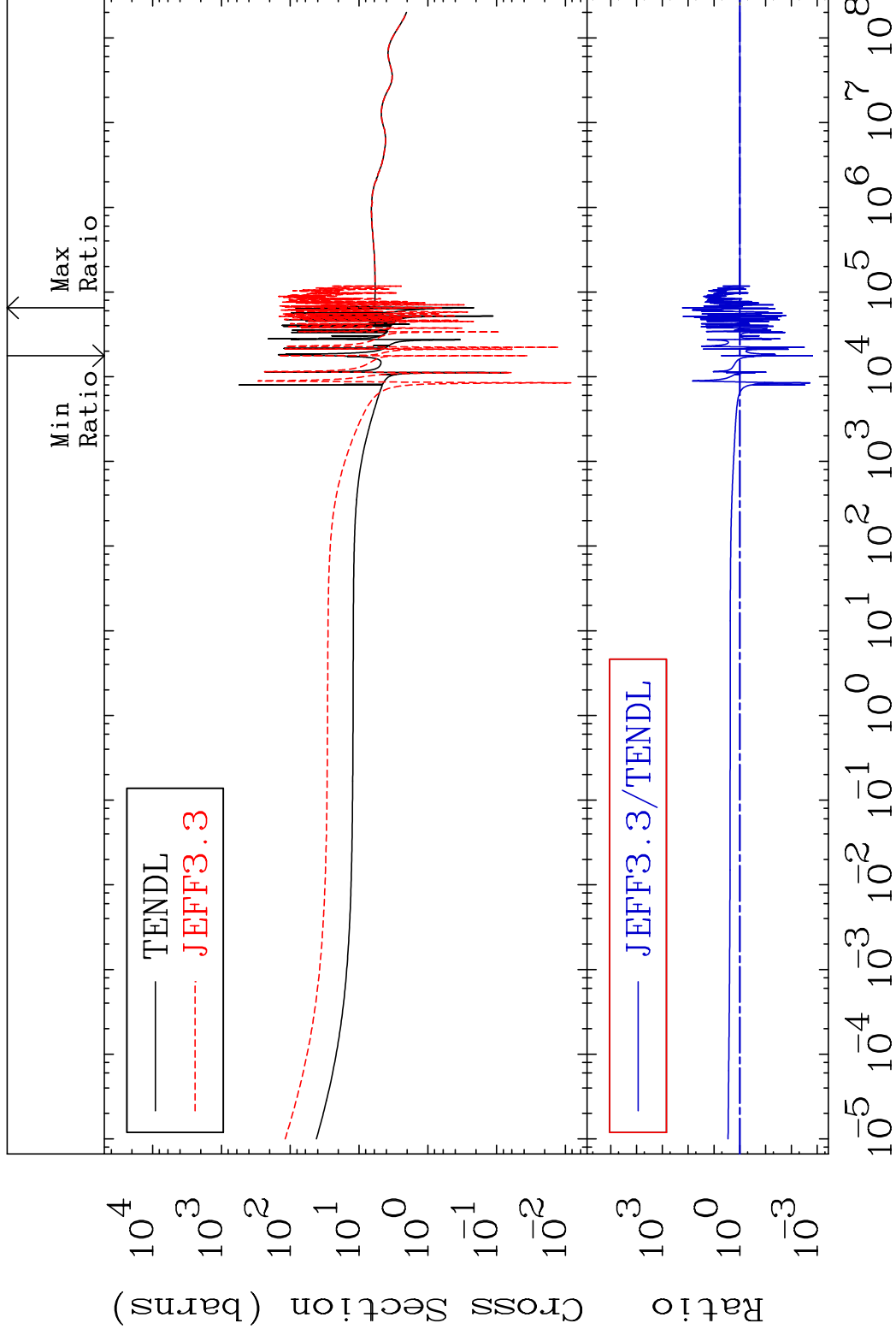
MAT 5067

Total

50-Sn-126

Cross Section

-99.85 To 9999. %



1

Incident Energy (eV)

50-Sn-126

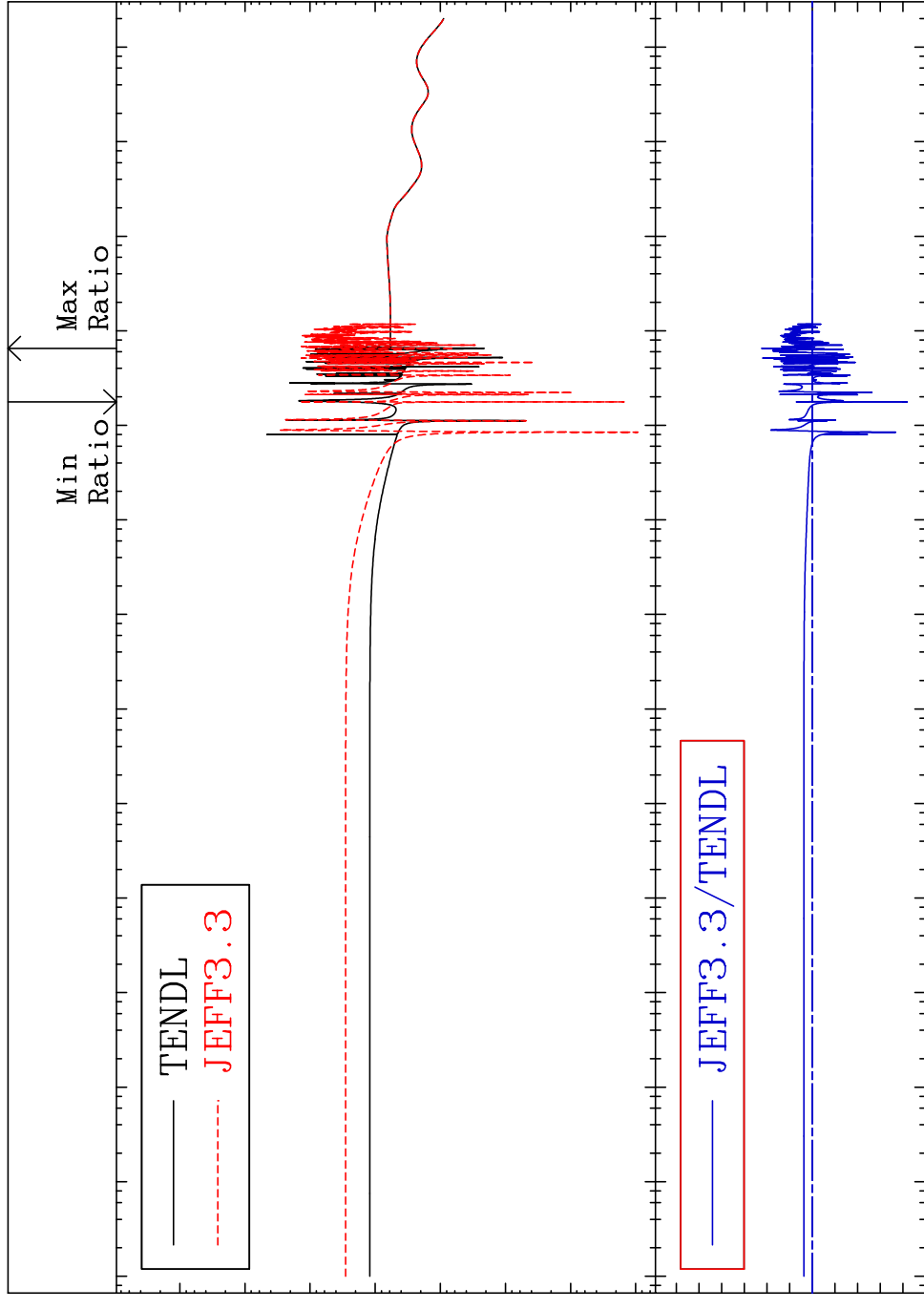
MAT 5067

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  
 $10^3$   
 $10^0$   
 $10^{-3}$

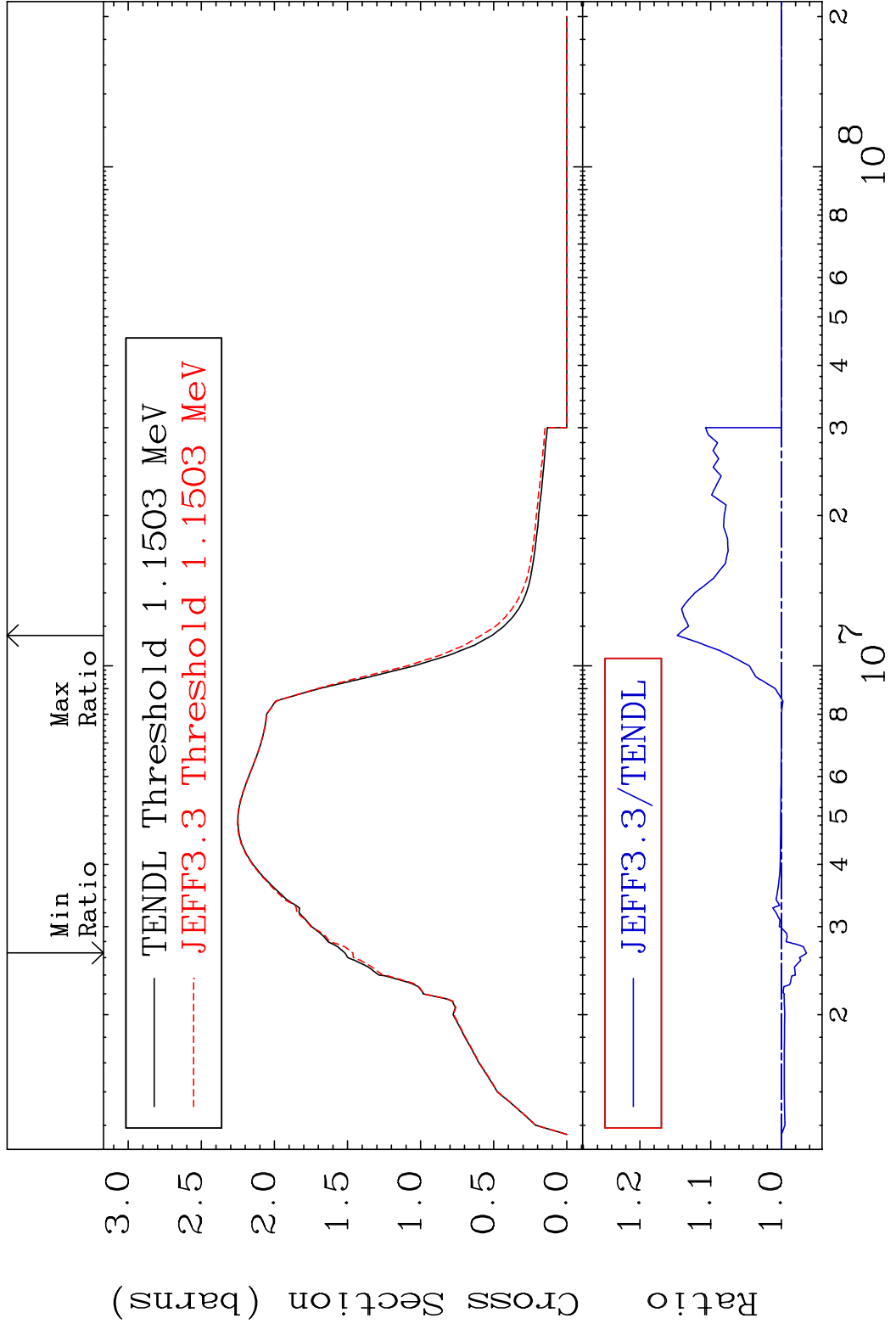
$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

Incident Energy (eV)

50-Sn-126

2

MAT 5067 Inelastic 50-Sn-126  
 Cross Section -3.530 To 14.74 %

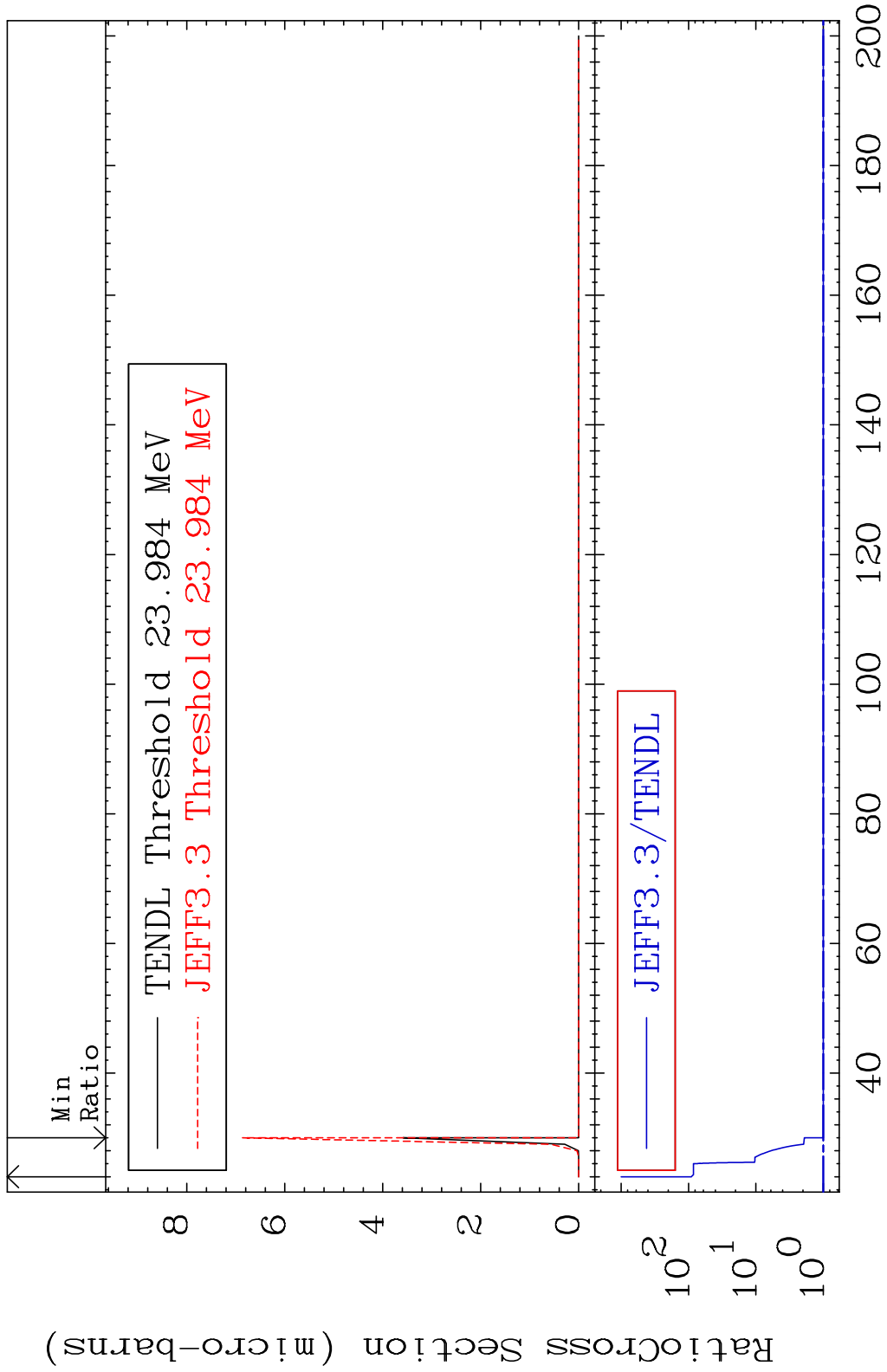


MAT 5067

(n,2n) d

50-Sn-126

Cross Section 0.000 To 8980. %



4

Incident Energy (MeV)

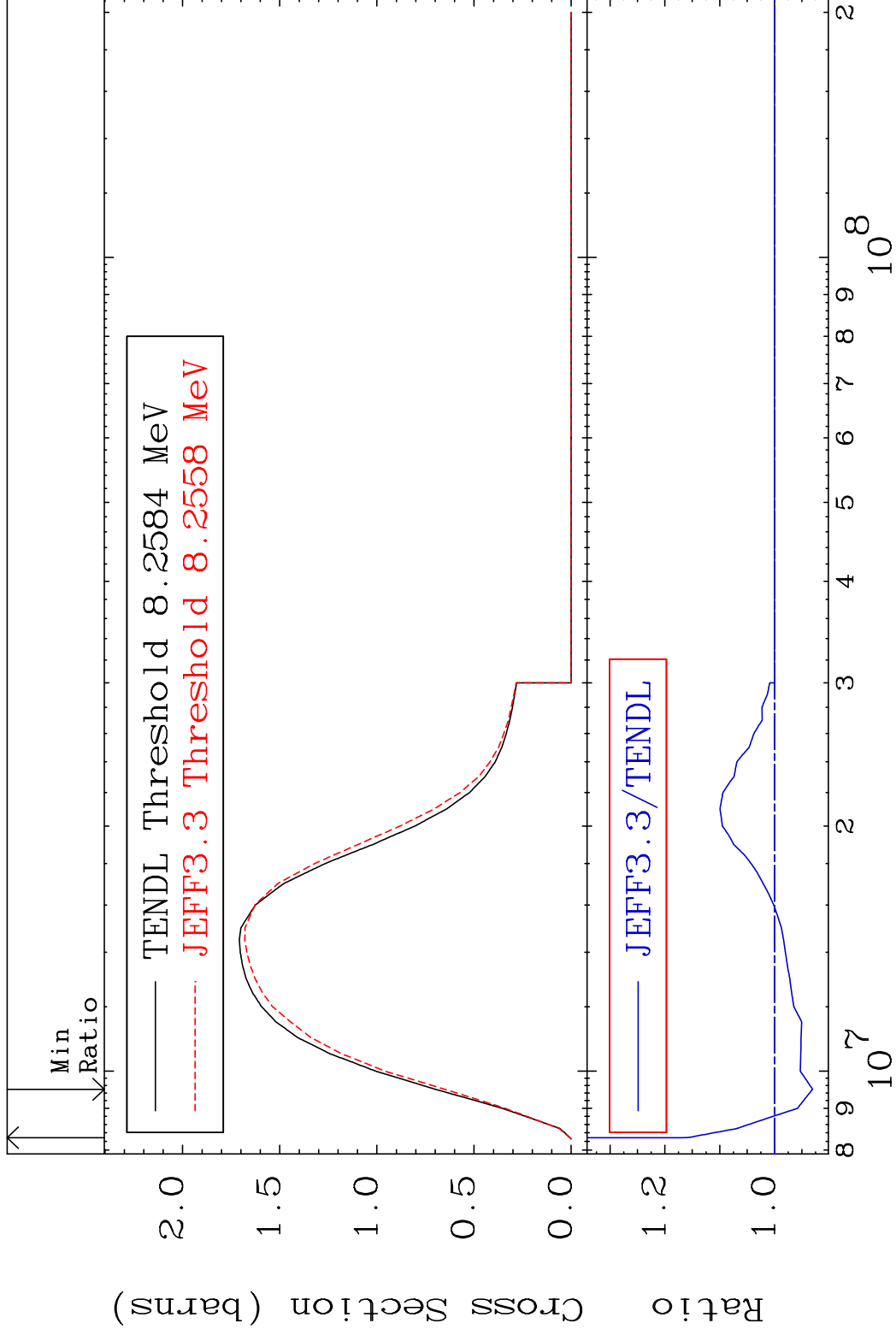
50-Sn-126

MAT 5067

(n,2n)

50-Sn-126

Cross Section -6.943 To 16.82 %



5

Incident Energy (eV)

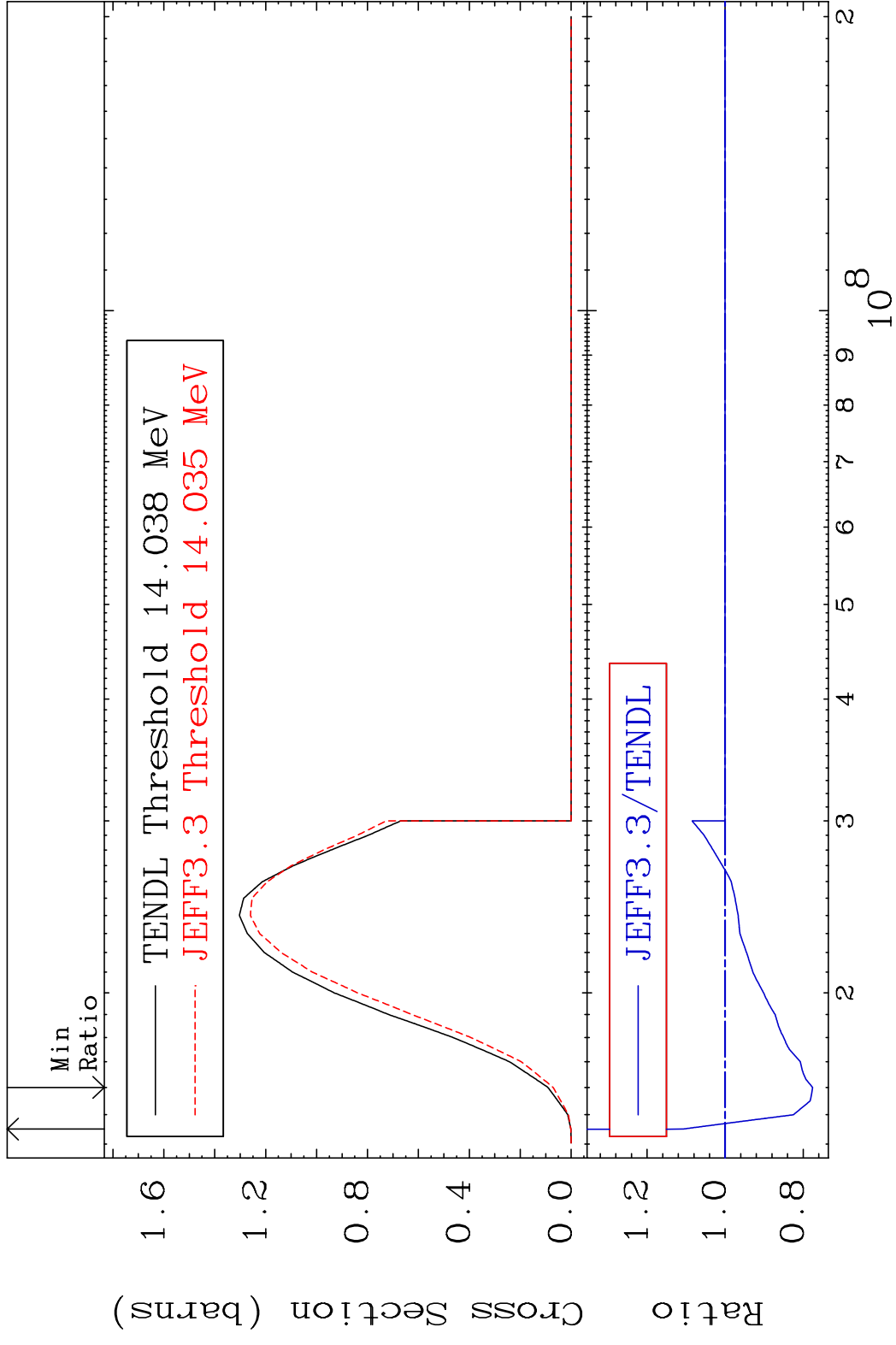
50-Sn-126

MAT 5067

(n,3n)

50-Sn-126

Cross Section -22.40 To 10.96 %

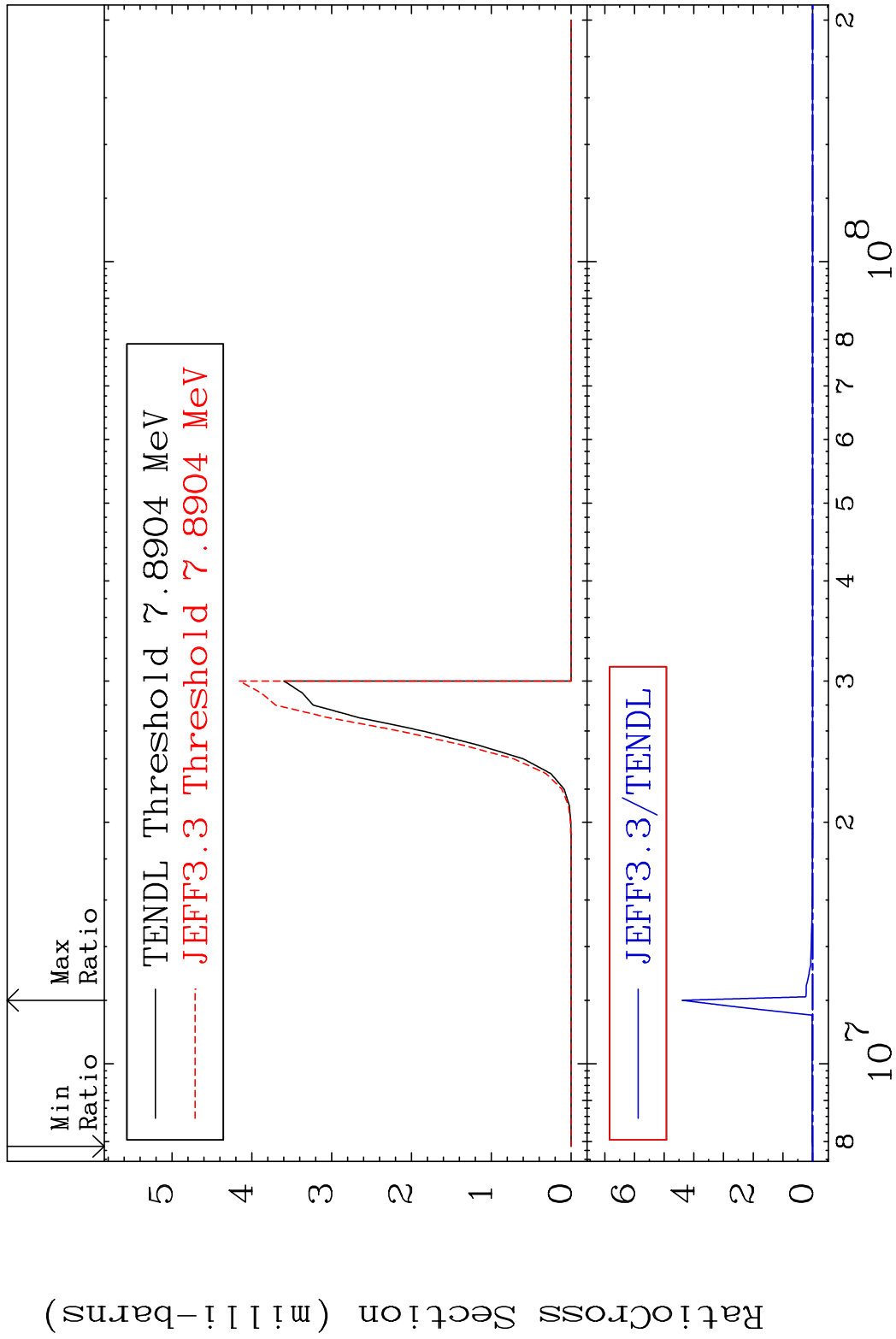


MAT 5067

(n, n')  $\alpha$

50-Sn-126

Cross Section -100.0 To 9999. %



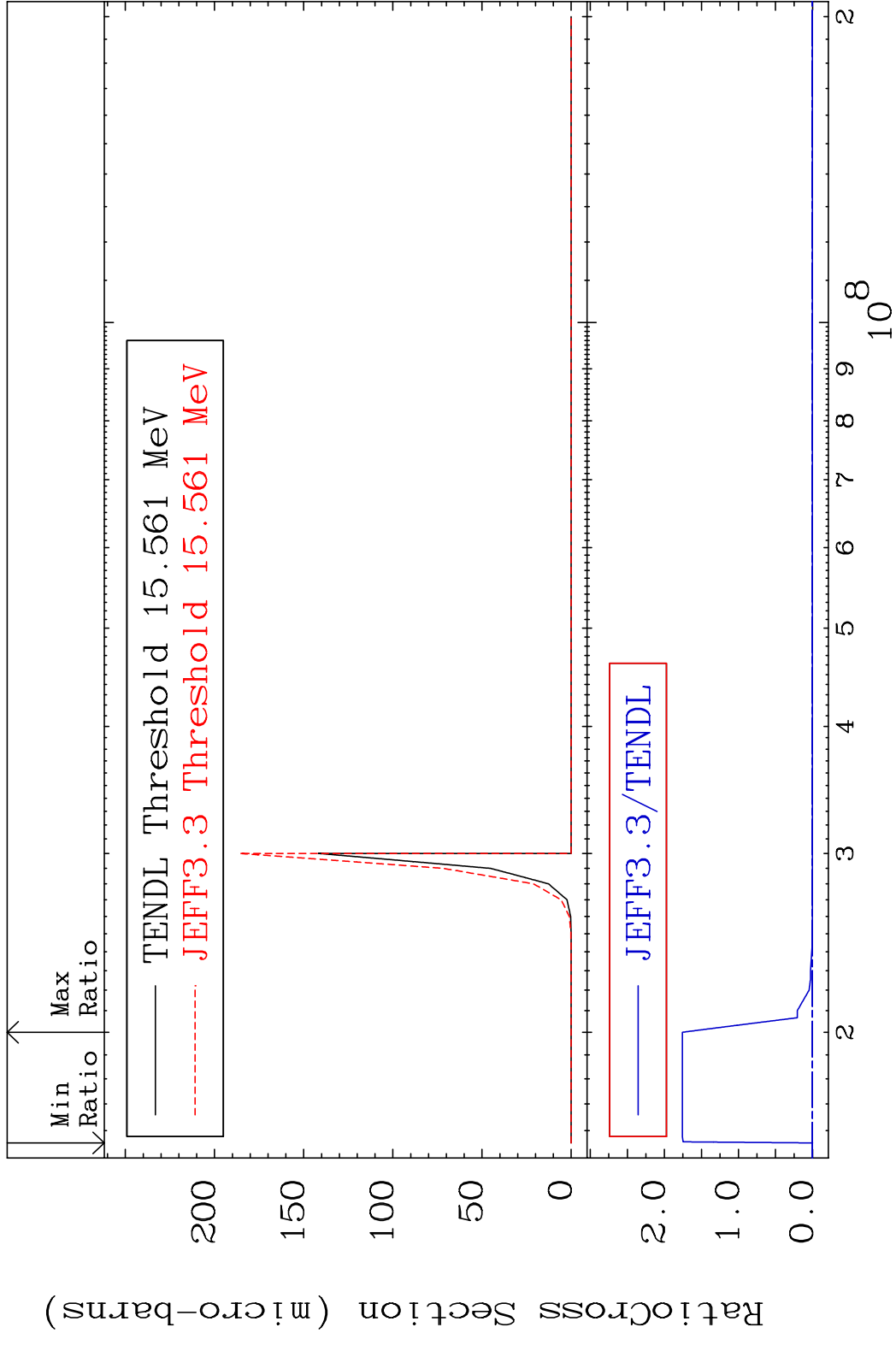
7

Incident Energy (eV)

50-Sn-126



MAT 5067 (n,2n)  $\alpha$  50-Sn-126  
 Cross Section -100.0 To 9999. %

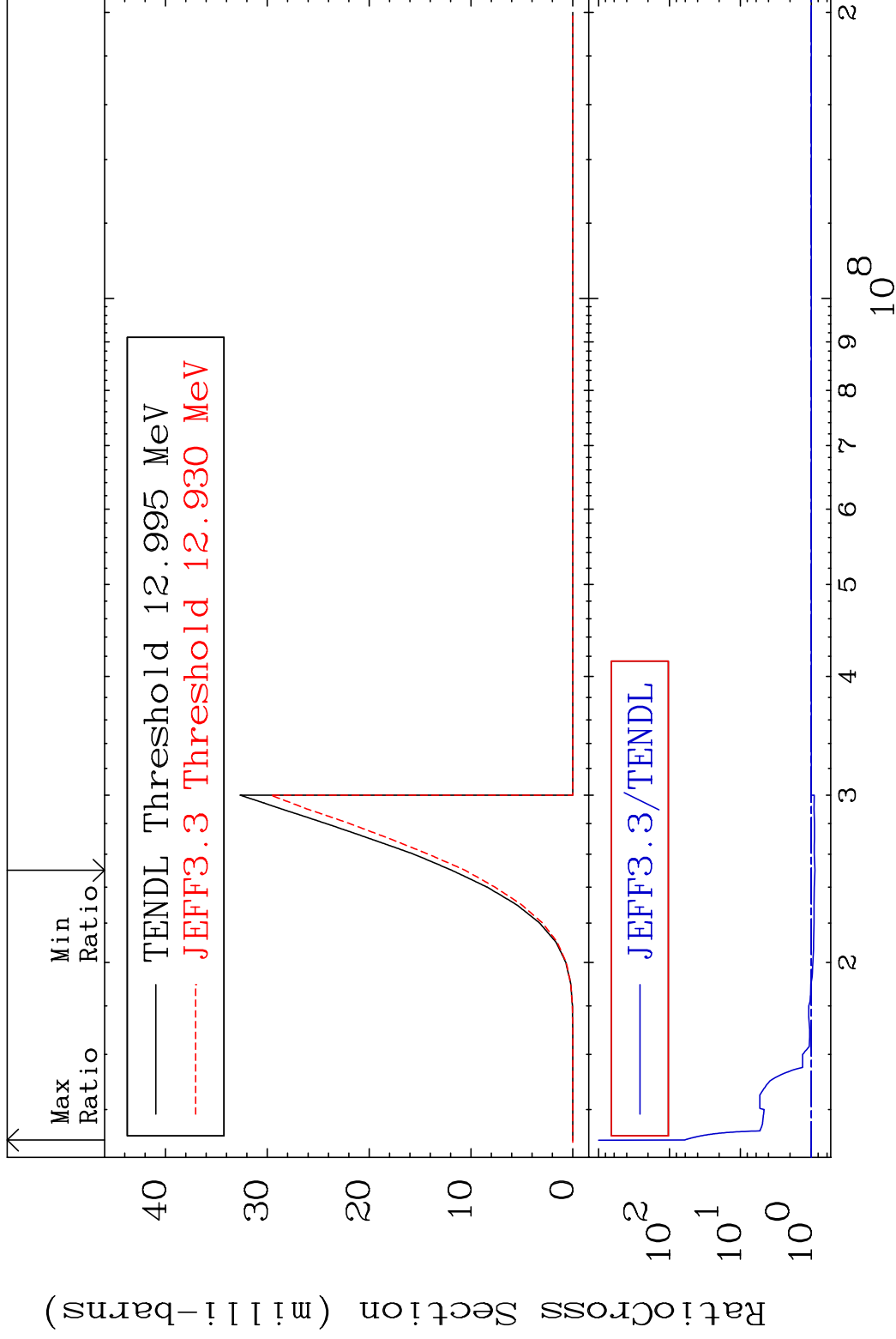


MAT 5067

(n, n') p

50-Sn-126

Cross Section -11.04 To 6067. %



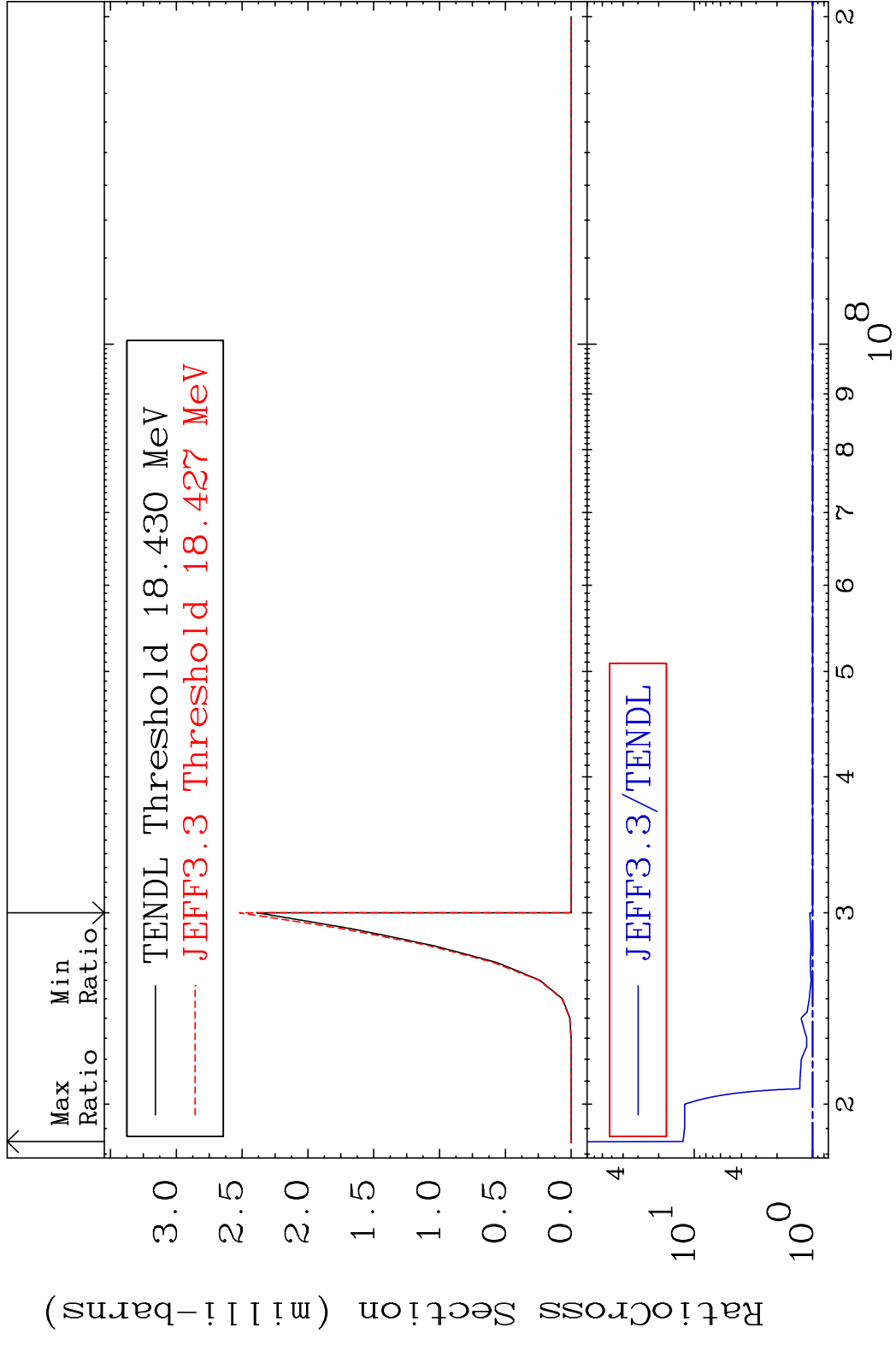
MAT 5067

(n, n') d

50-Sn-126

Cross Section 0.000

To 1163. %



10

Incident Energy (eV)

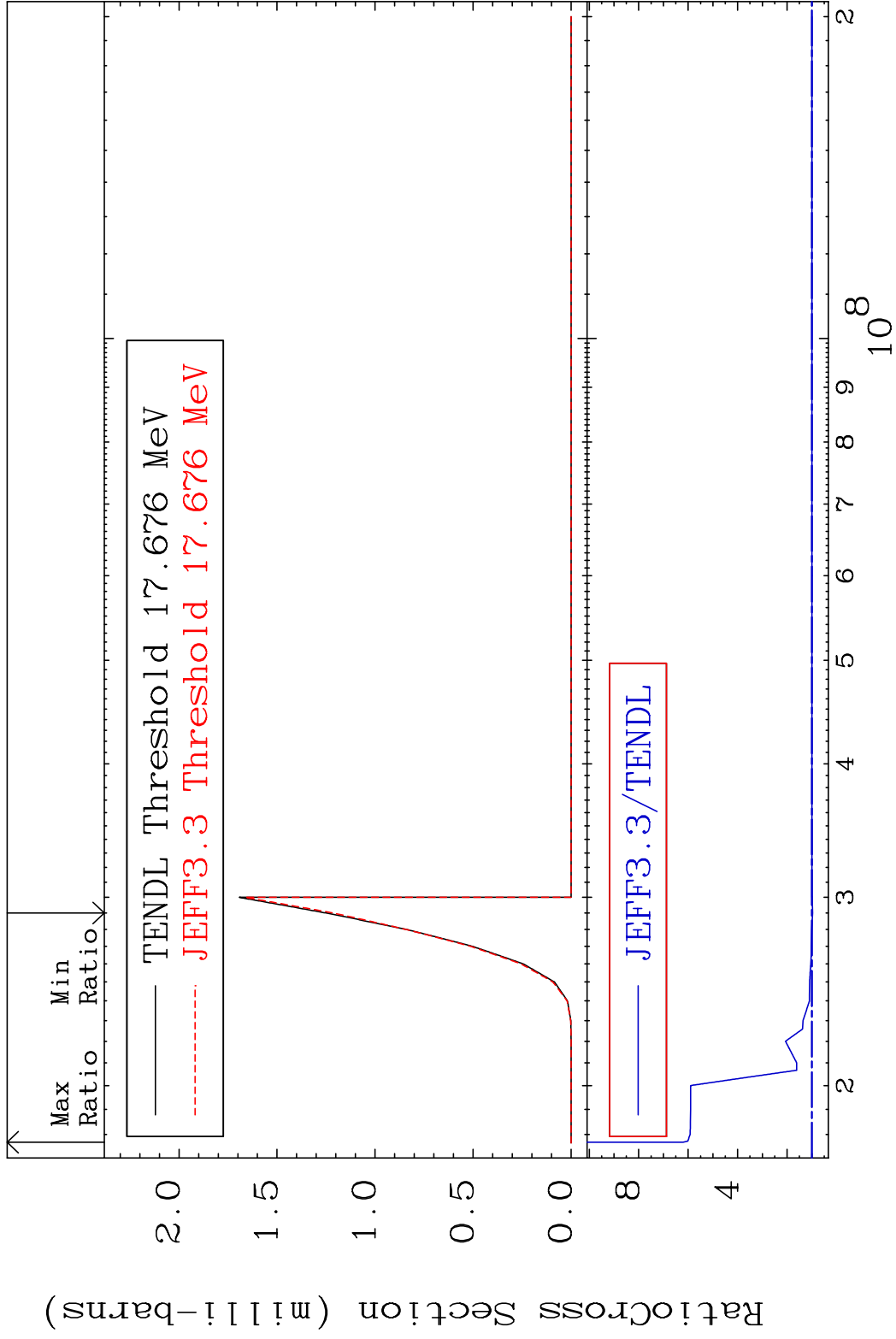
50-Sn-126

MAT 5067

(n, n') t

50-Sn-126

Cross Section -3.020 To 523.5 %

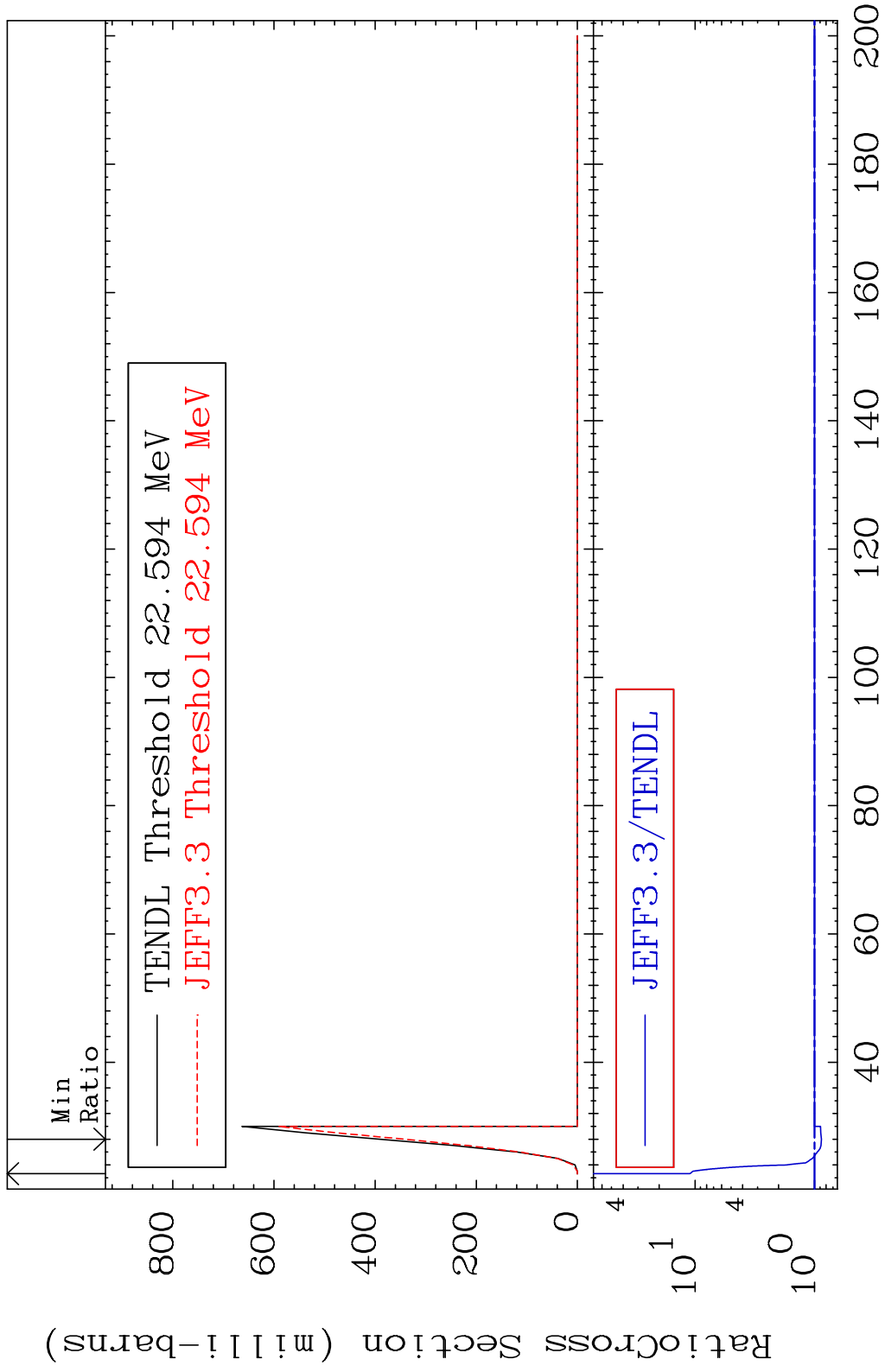


MAT 5067

(n,4n)

50-Sn-126

Cross Section -12.33 To 1007. %

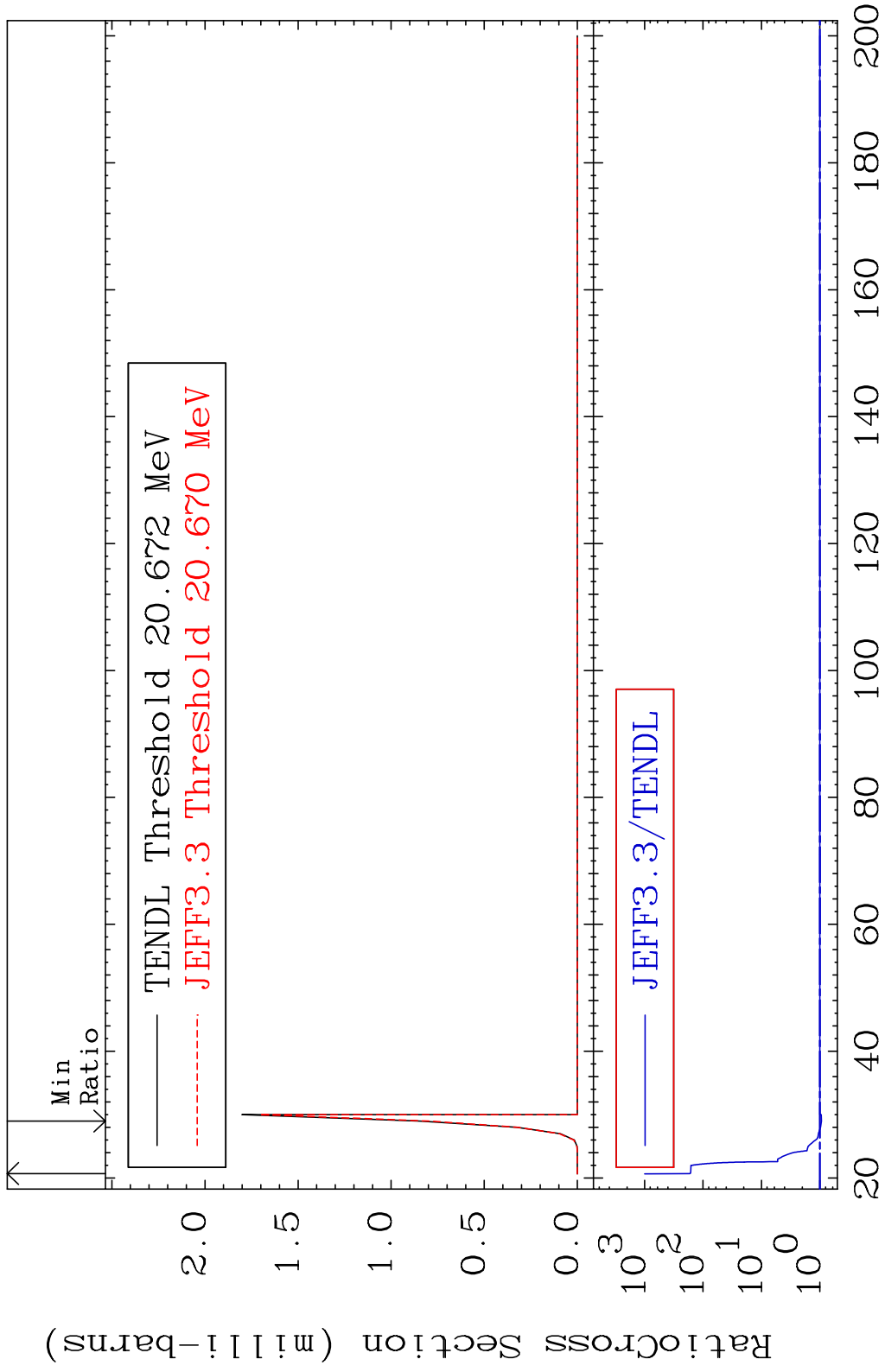


MAT 5067

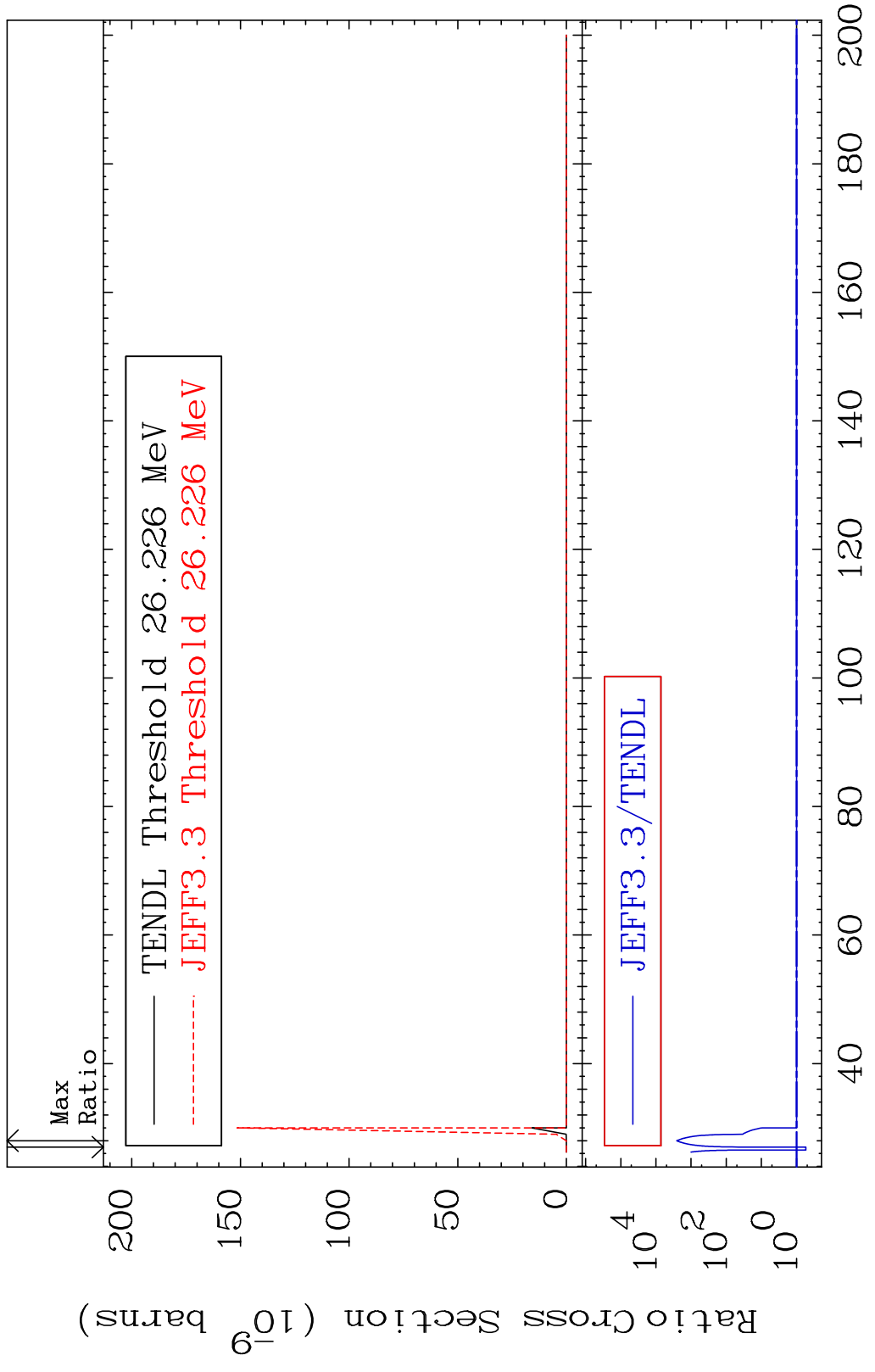
(n,2n) p

50-Sn-126

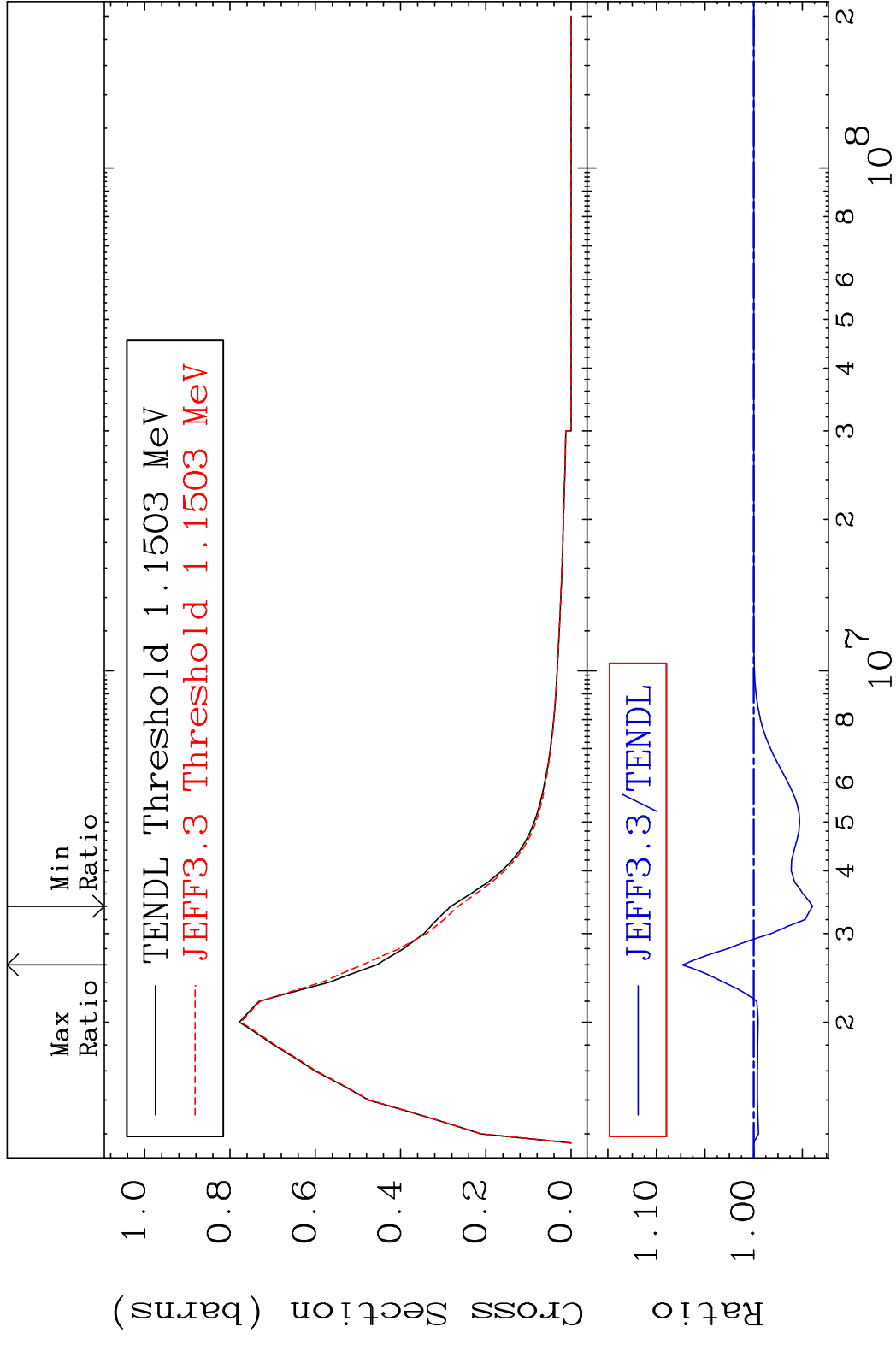
Cross Section -5.941 To 9999. %



MAT 5067 (n,3n) p 50-Sn-126  
 Cross Section -45.55 To 9999. %

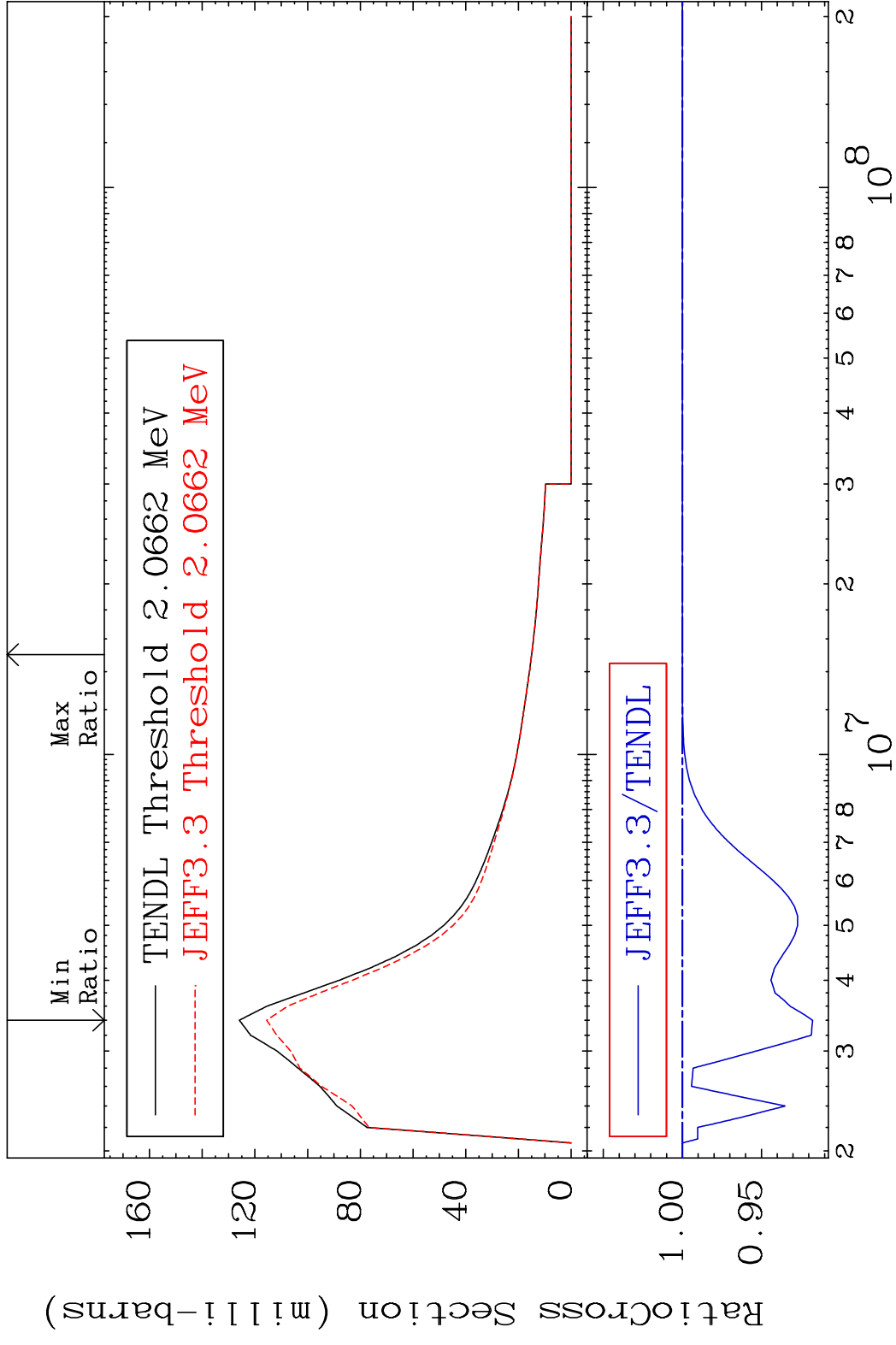


MAT 5067 MT= 51 (n, n') Level 50-Sn-126  
 Cross Section -6.056 To 7.333 %





MAT 5067 MT= 52 (n, n') Level 50-Sn-126  
 Cross Section -8.235 To 0.000 %

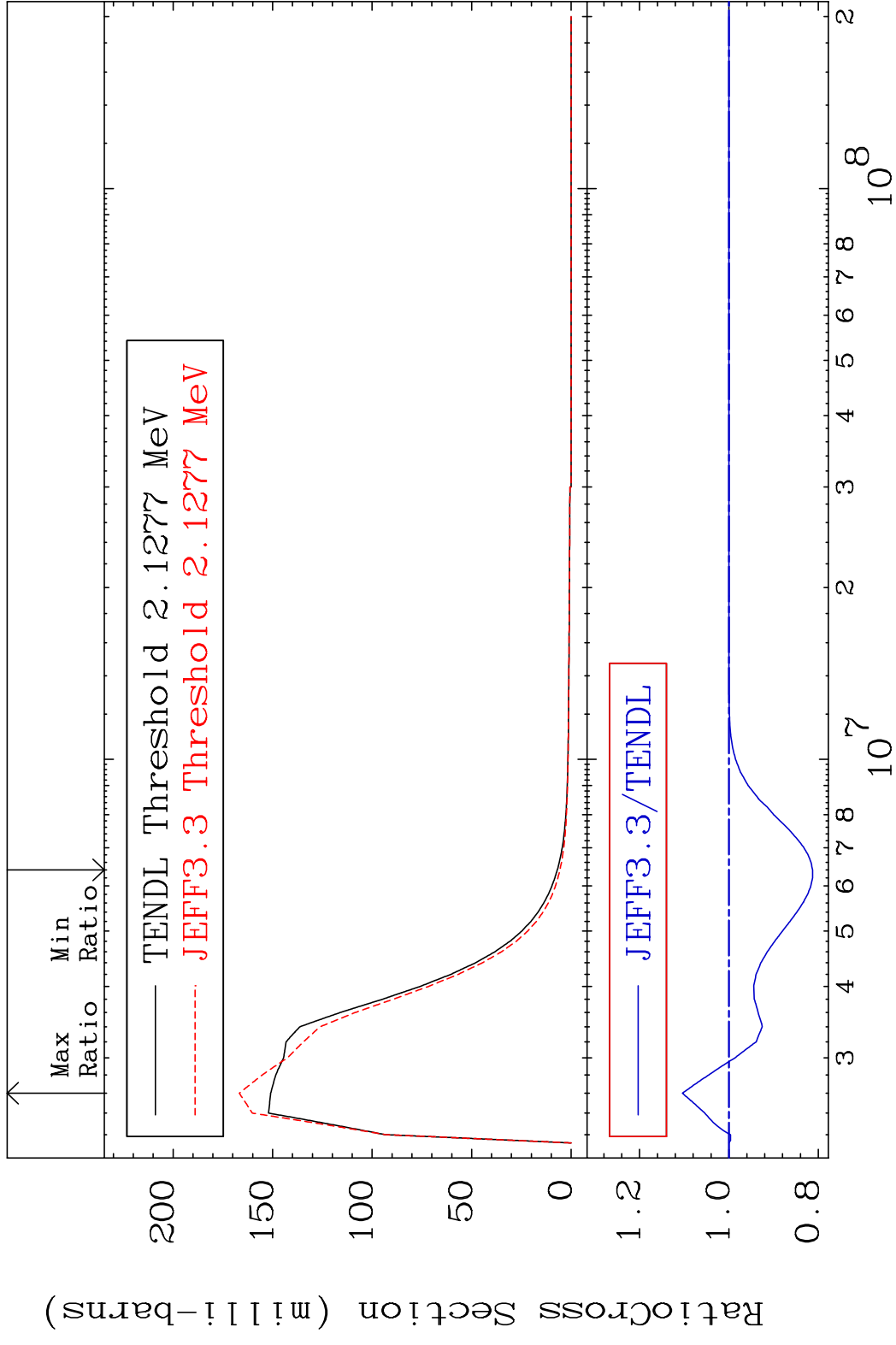


MAT 5067

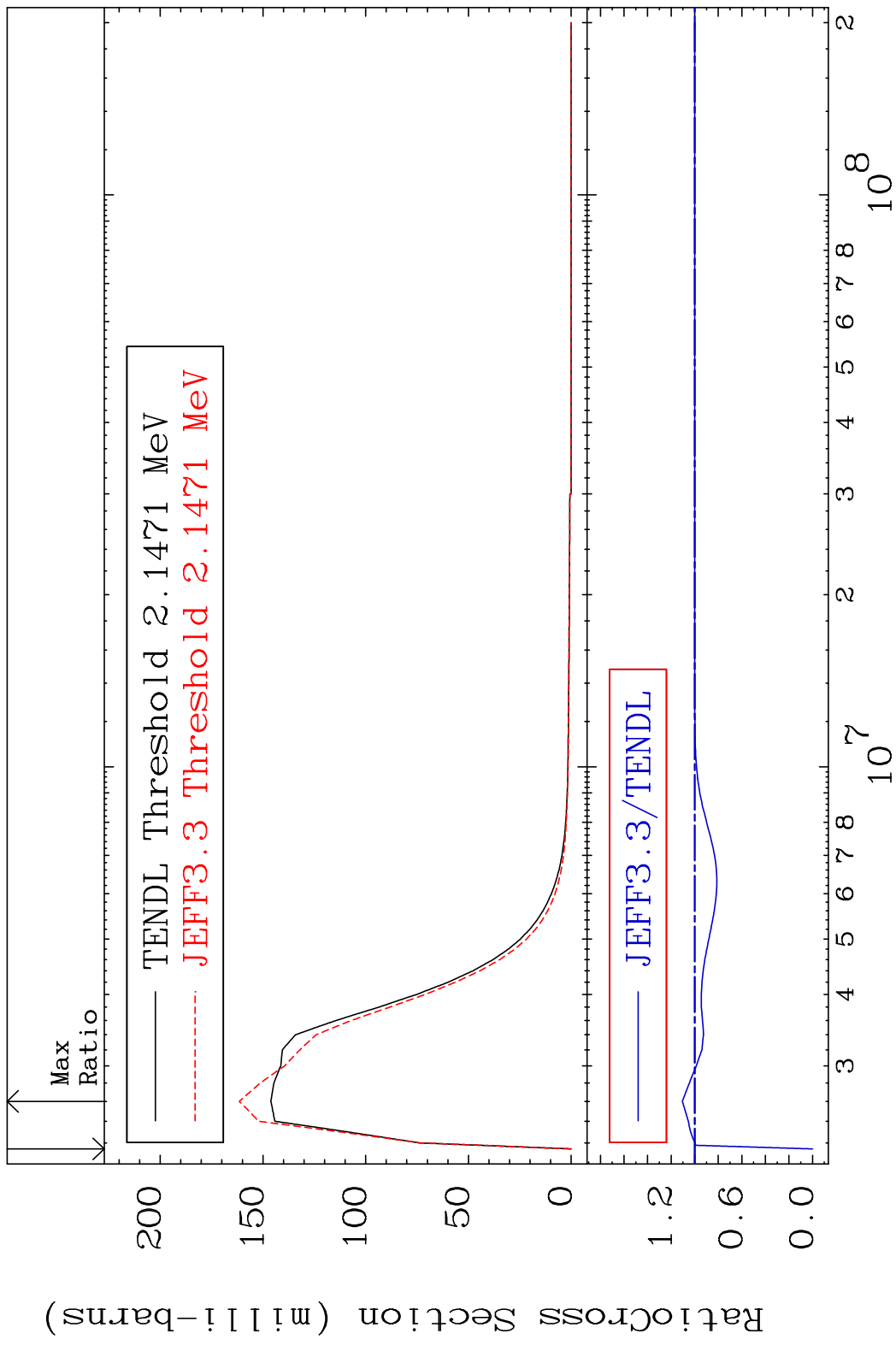
MT= 53 (n, n') Level

50-Sn-126

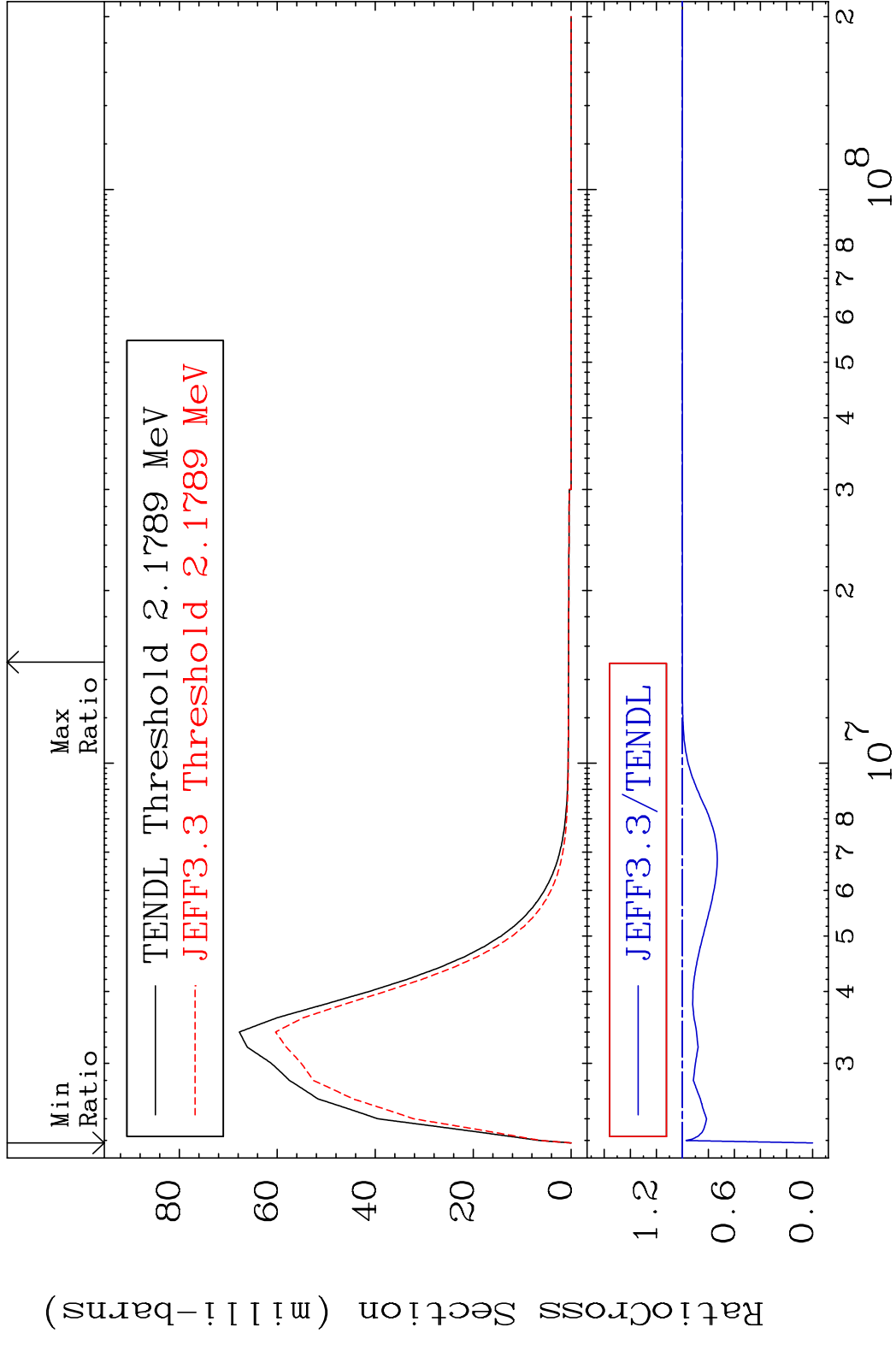
Cross Section -18.72 To 10.43 %



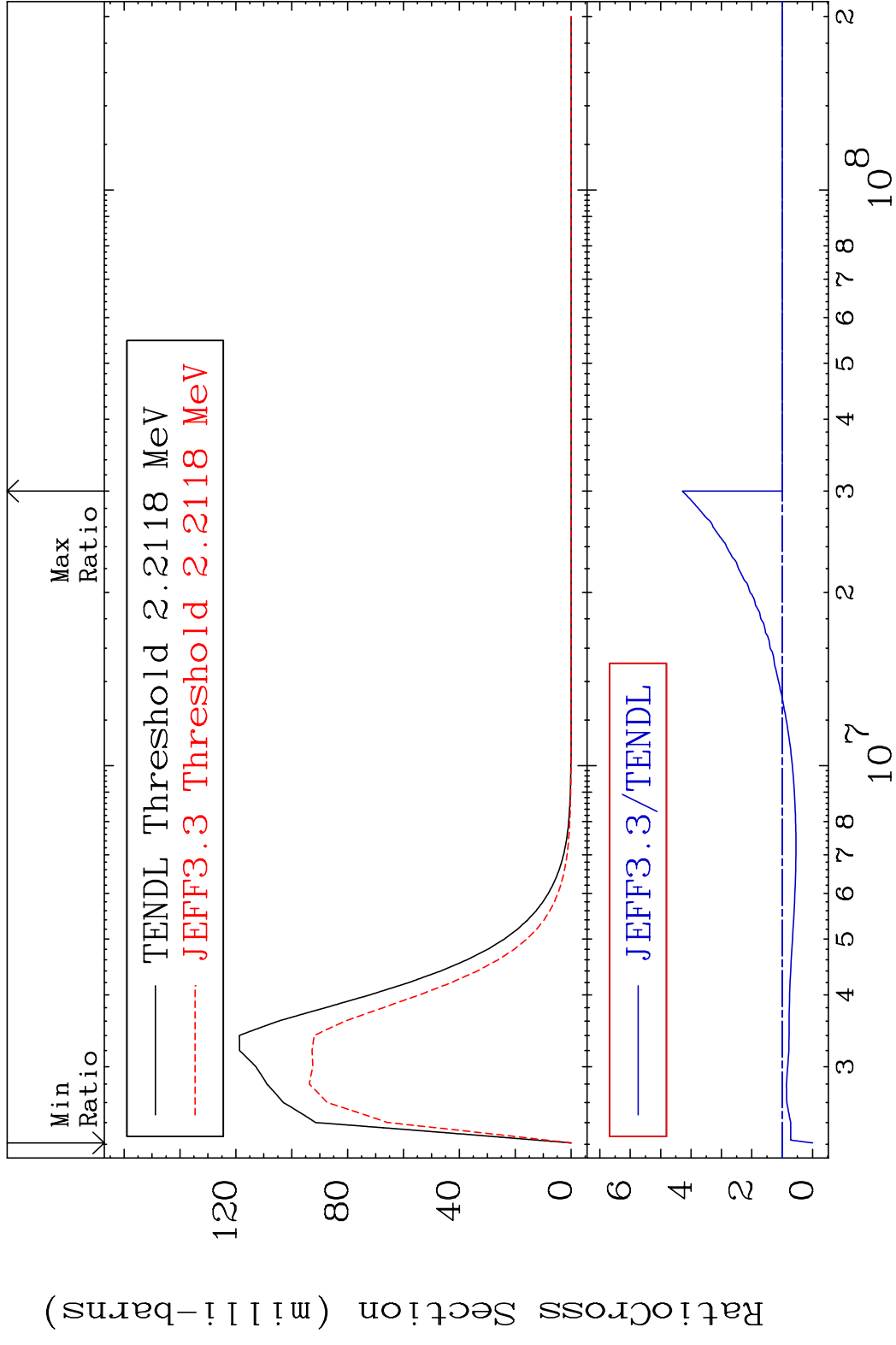
MAT 5067 MT= 54 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 10.50 %



MAT 5067 MT= 55 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 0.009 %

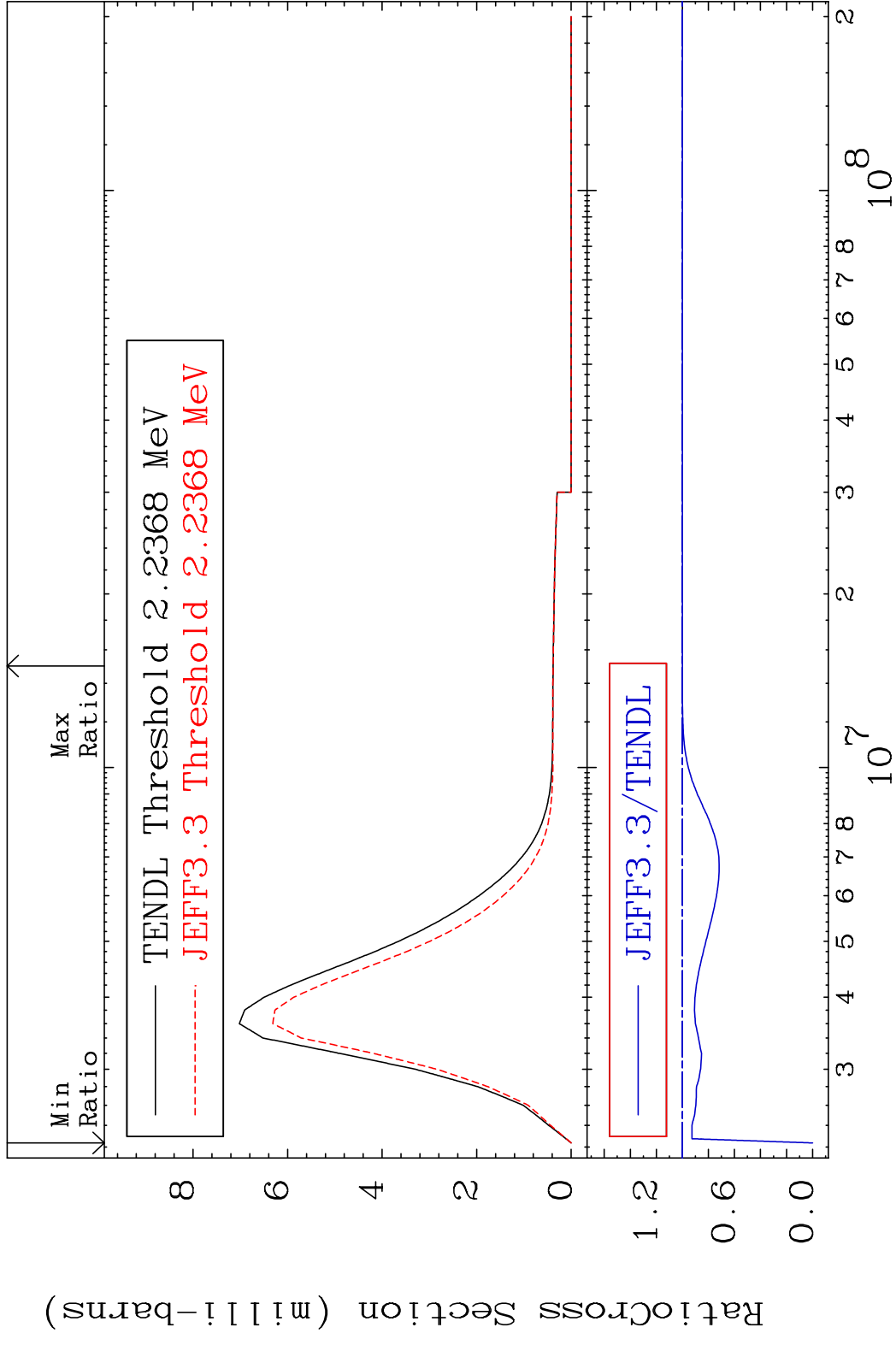


MAT 5067 MT= 56 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 328.6 %

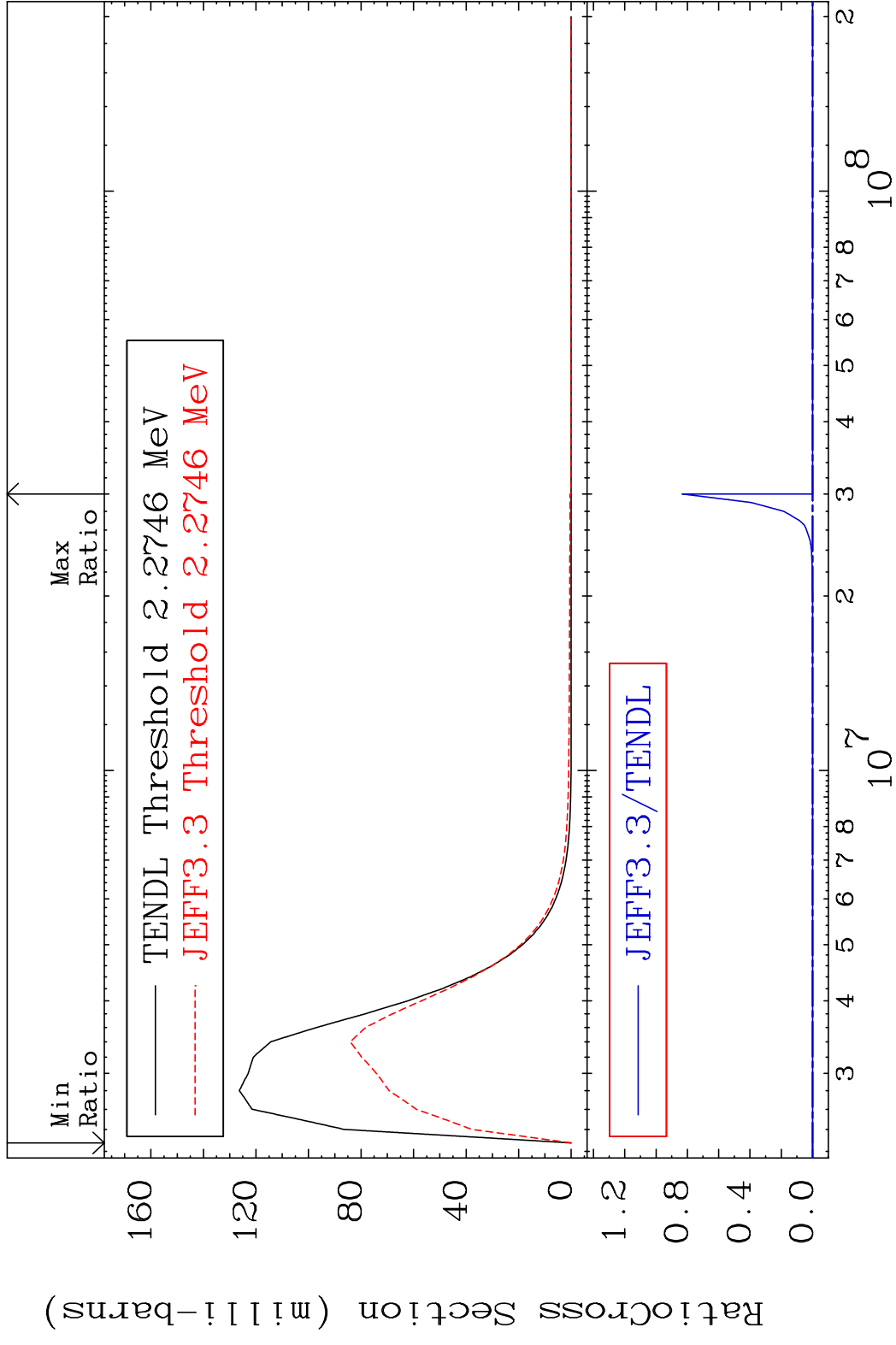


20 50-Sn-126

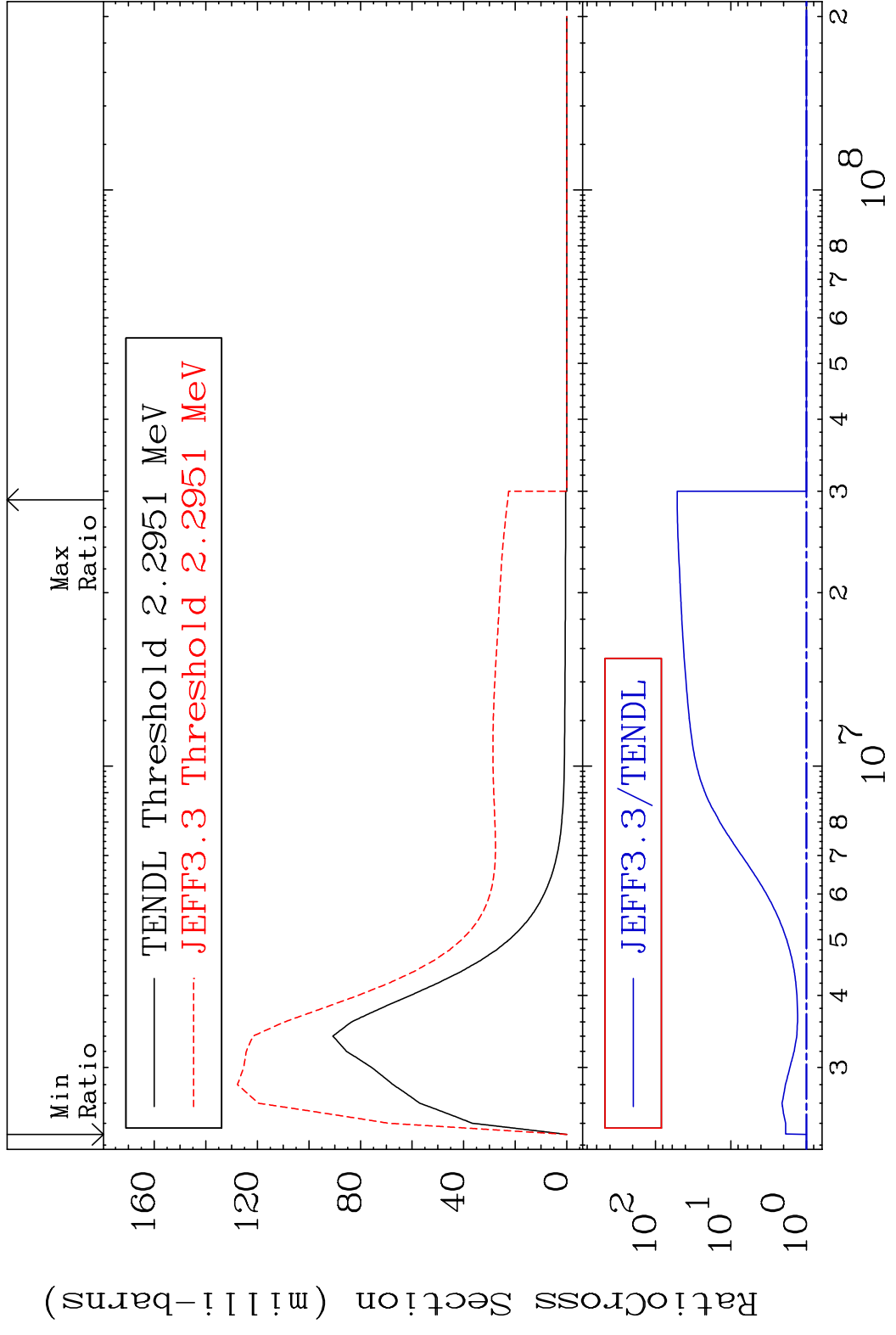
MAT 5067 MT= 57 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.010 %



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

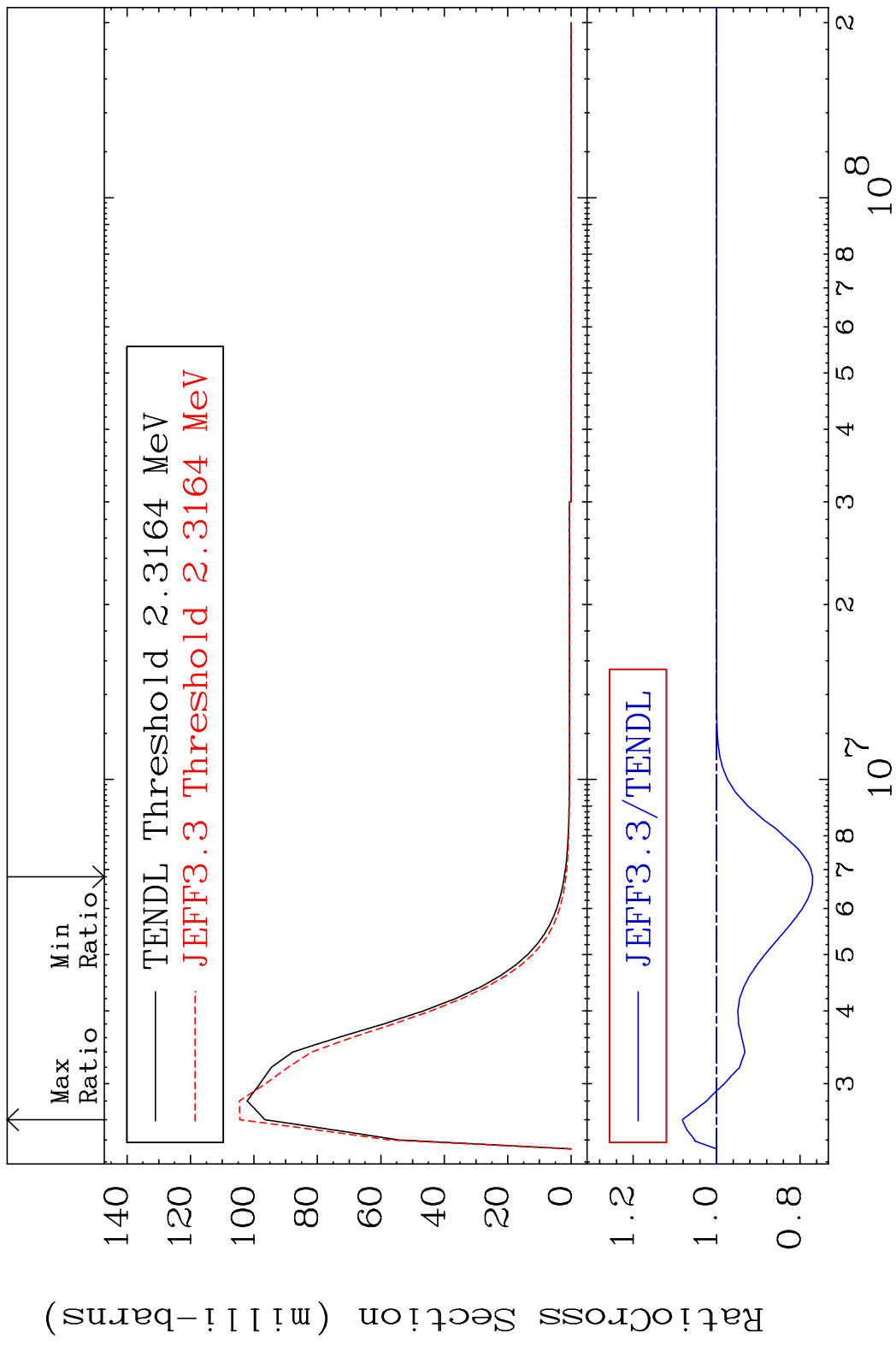


MAT 5067 MT= 59 (n, n') Level 50-Sn-126  
 Cross Section 0.000 To 5043. %





MAT 5067 MT= 60 (n, n') Level 50-Sn-126  
 Cross Section -22.99 To 8.198 %

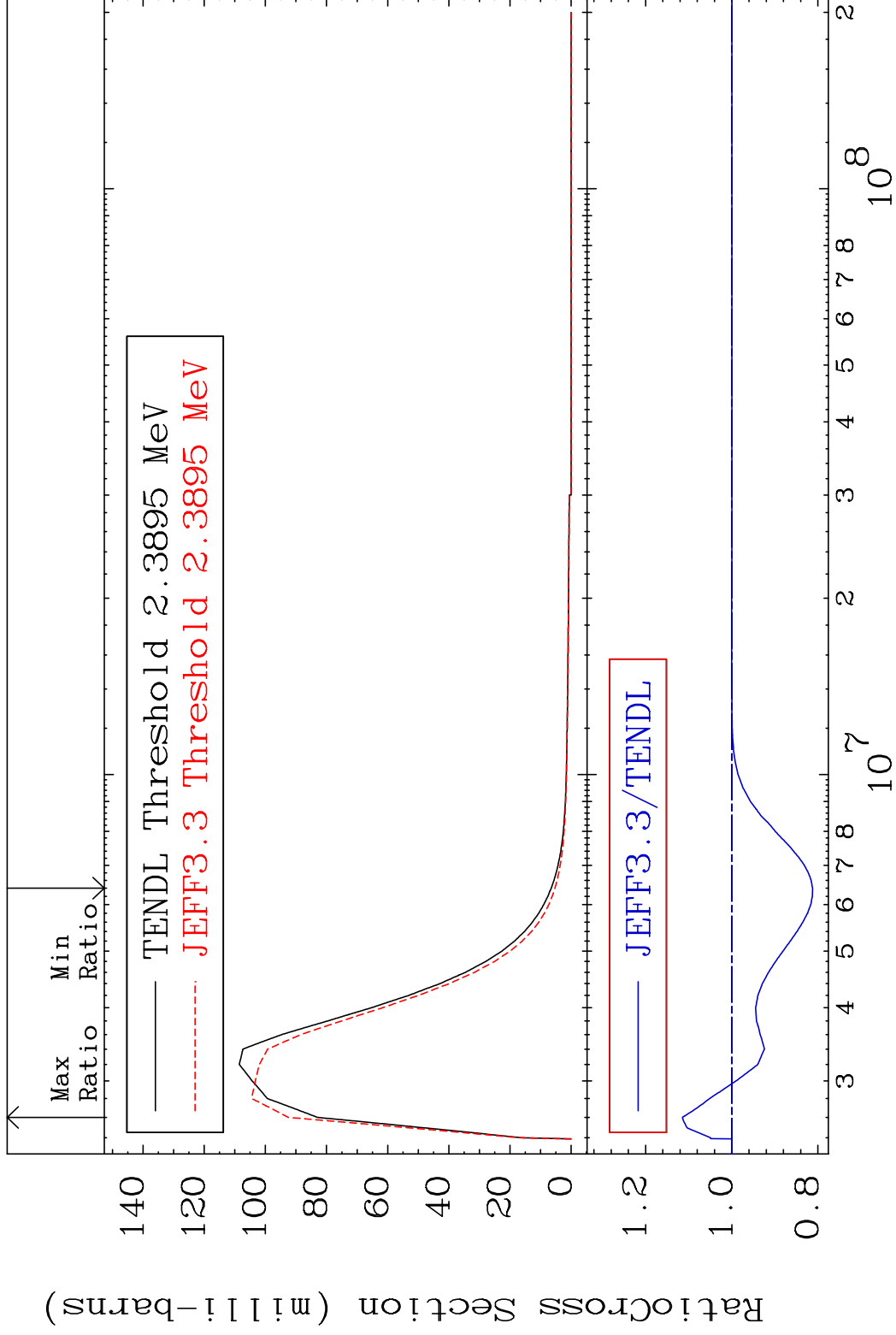


MAT 5067

MT= 61 (n, n') Level

50-Sn-126

Cross Section -18.76 To 11.47 %

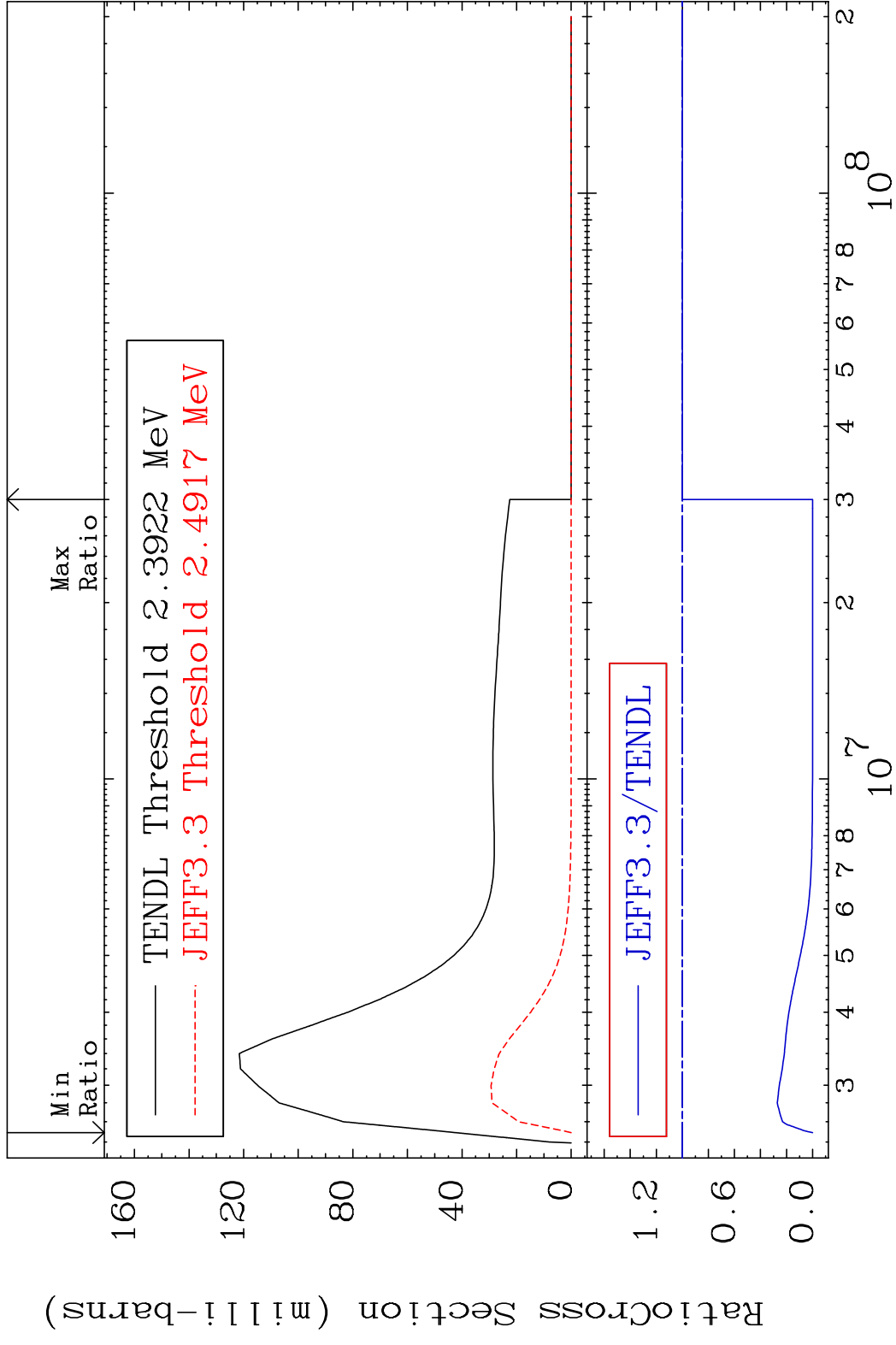


25

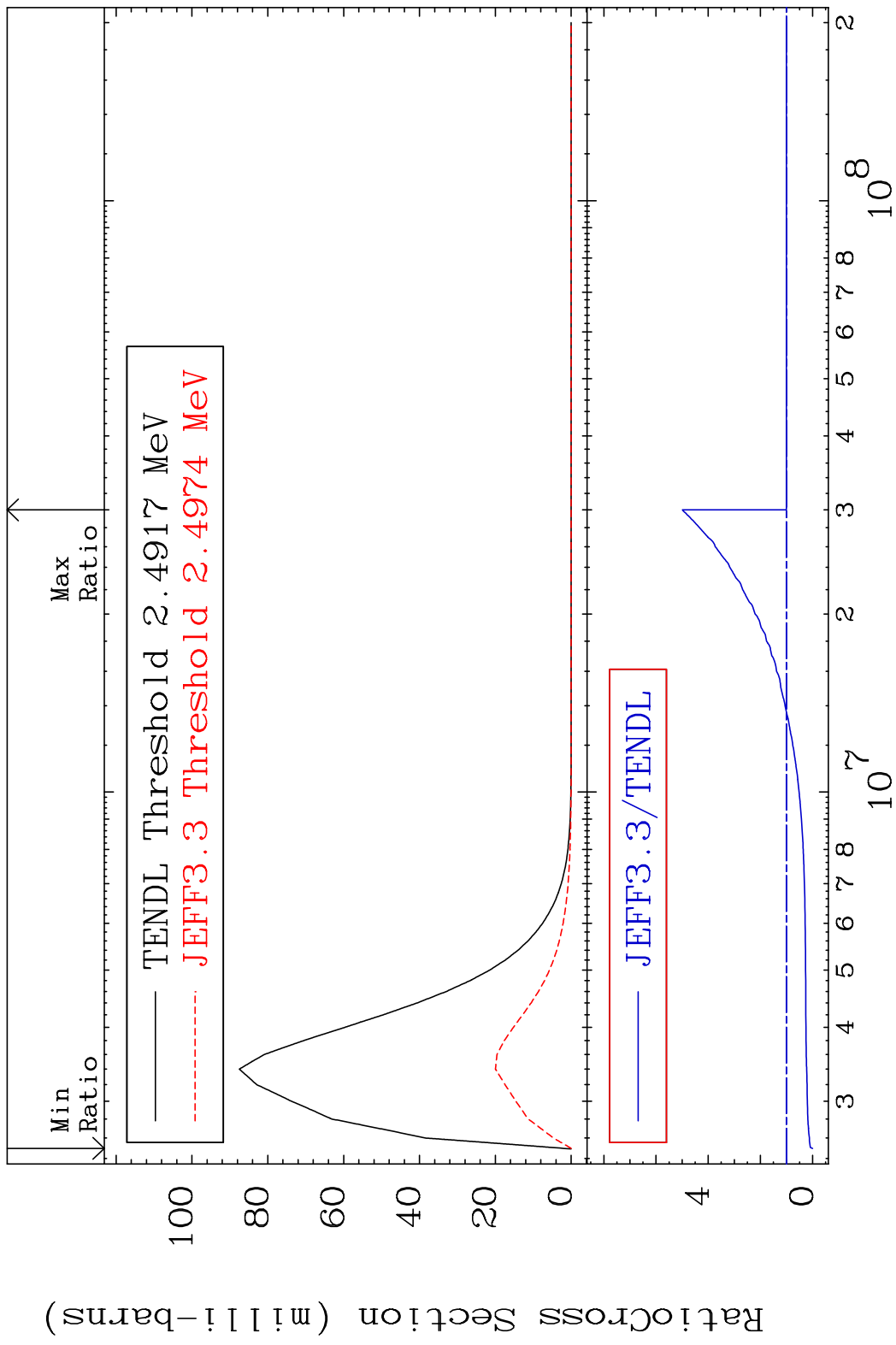
Incident Energy (eV)

50-Sn-126

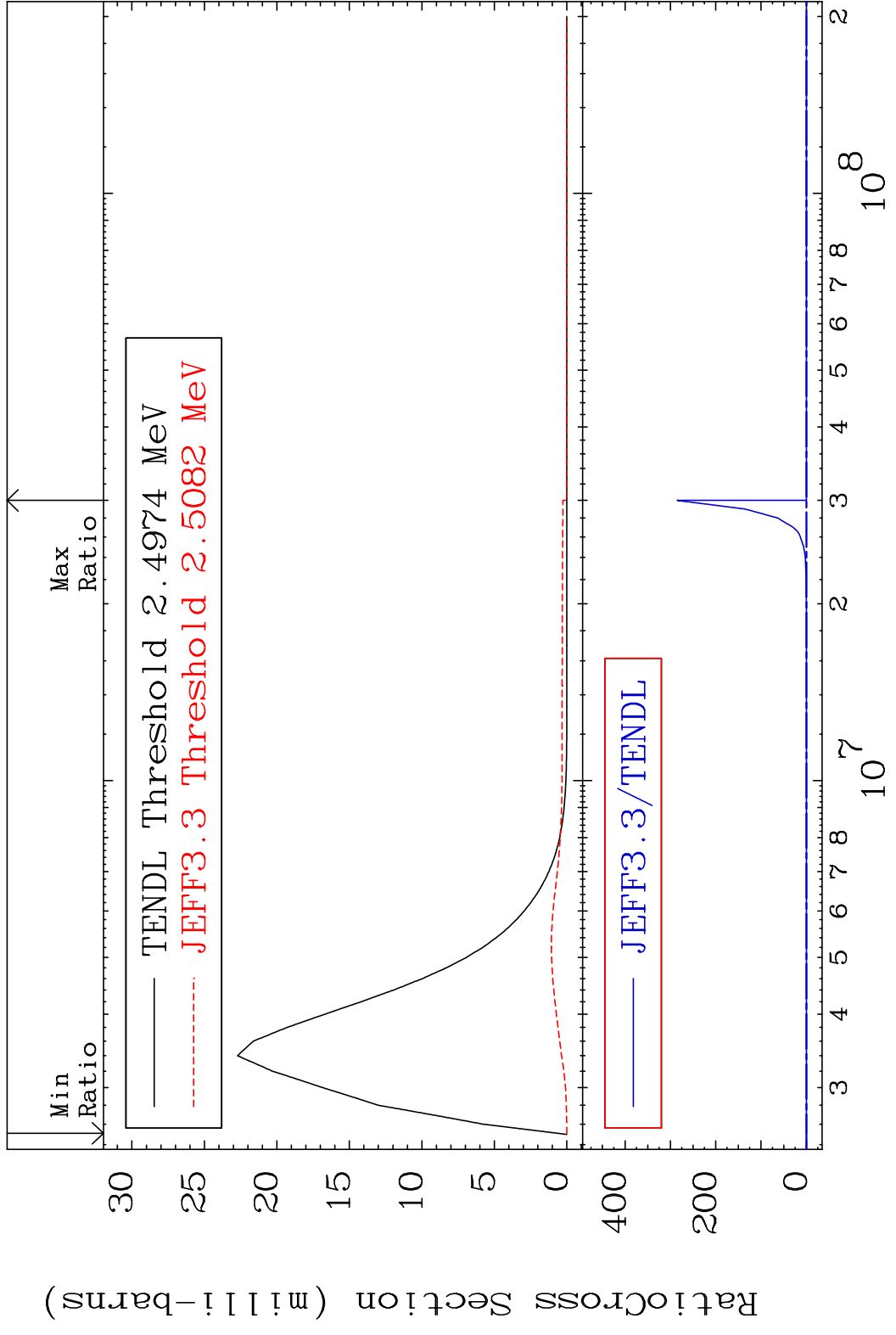
MAT 5067 MT= 62 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %



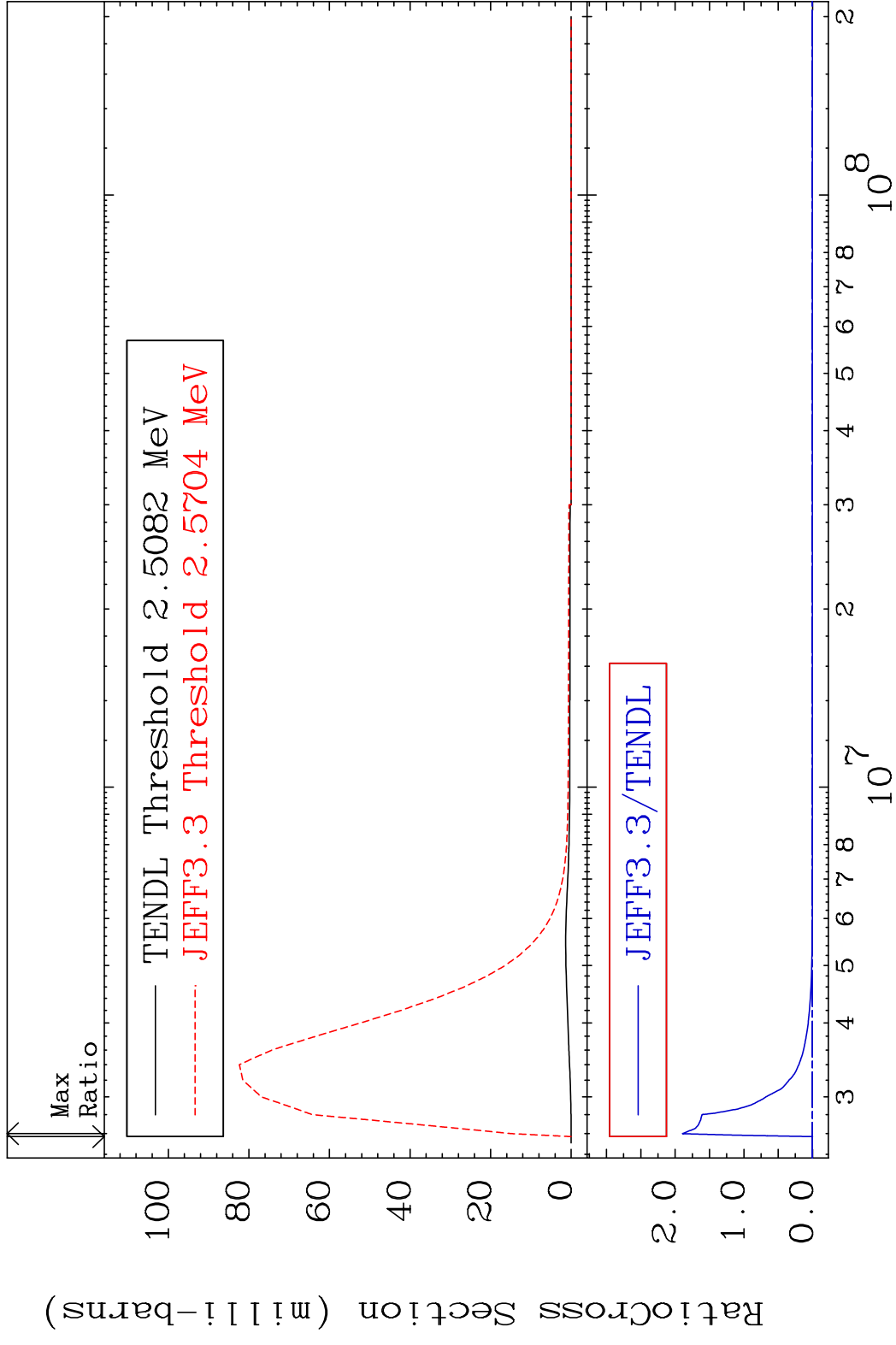
MAT 5067 MT= 63 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 399.1 %



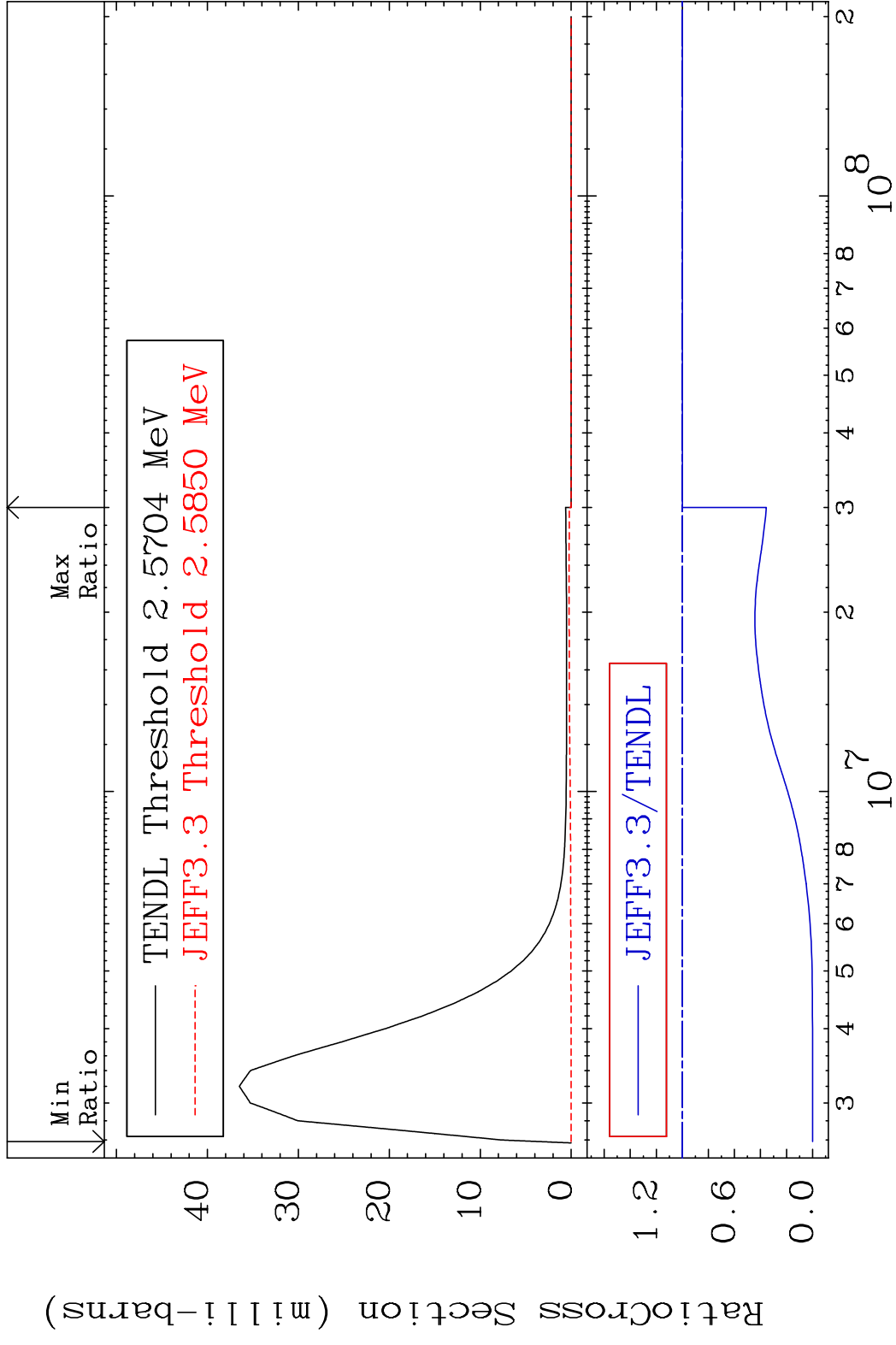
MAT 5067 MT= 64 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



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

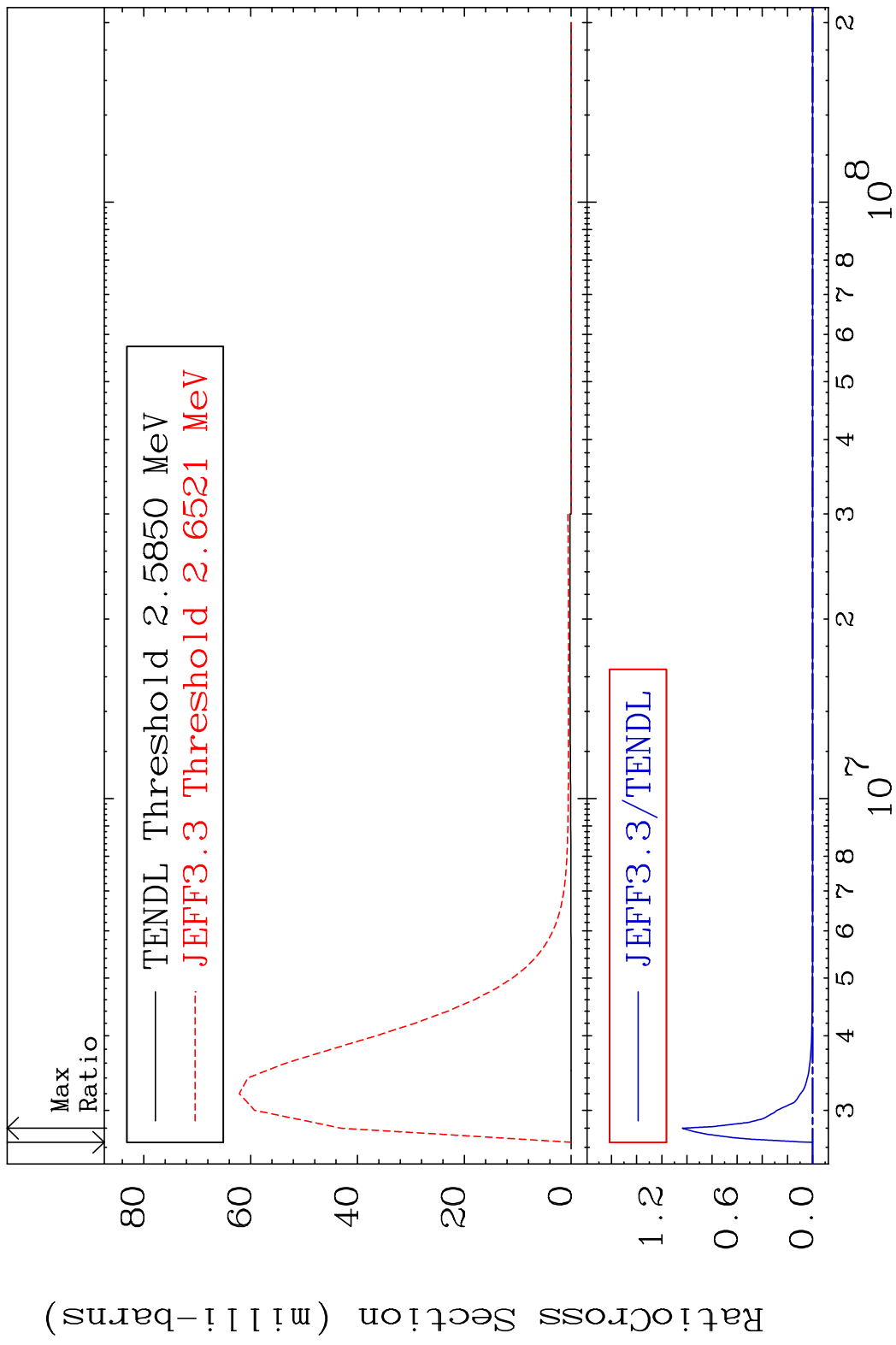


MAT 5067 MT= 66 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %



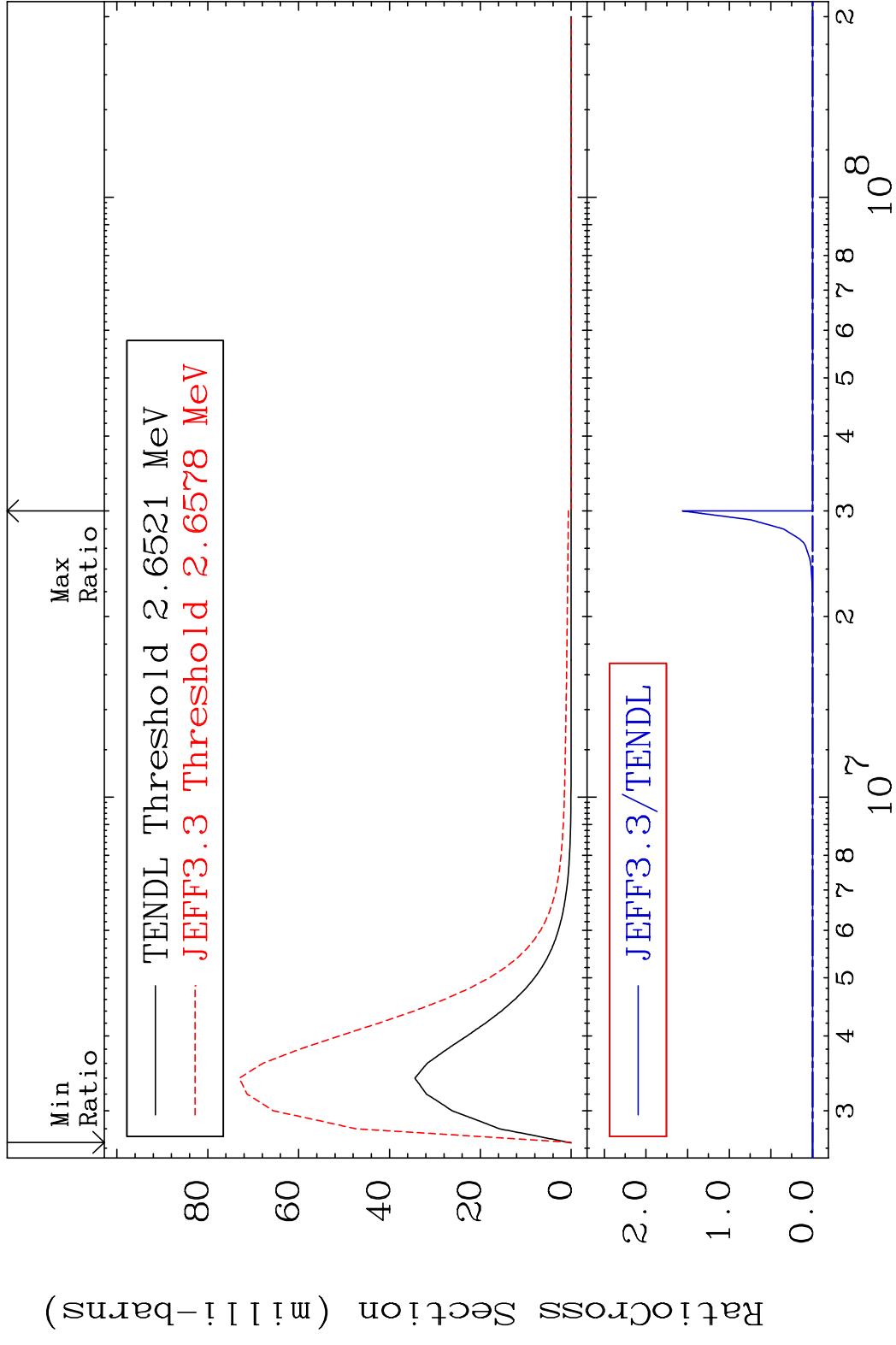
30 50-Sn-126

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

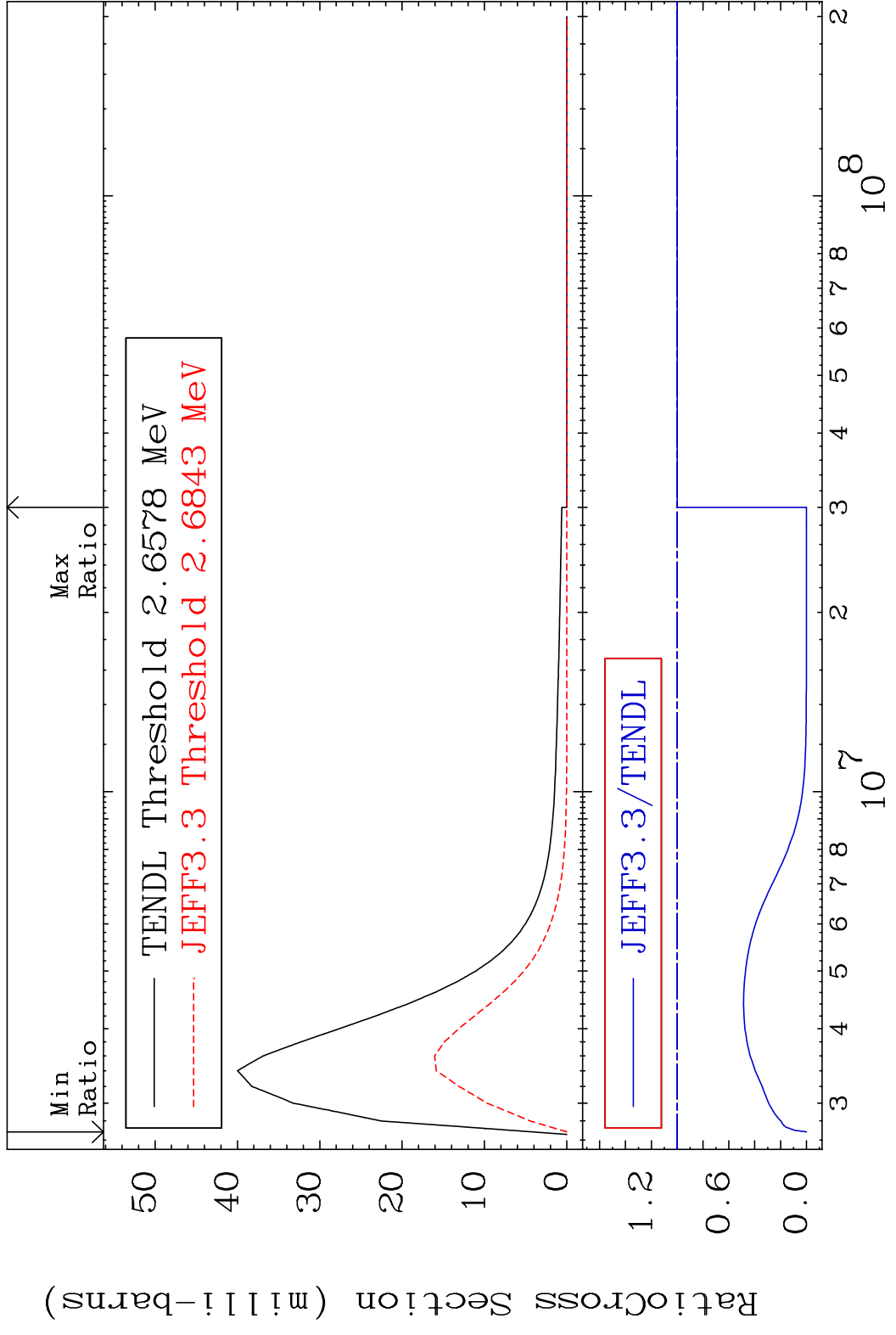




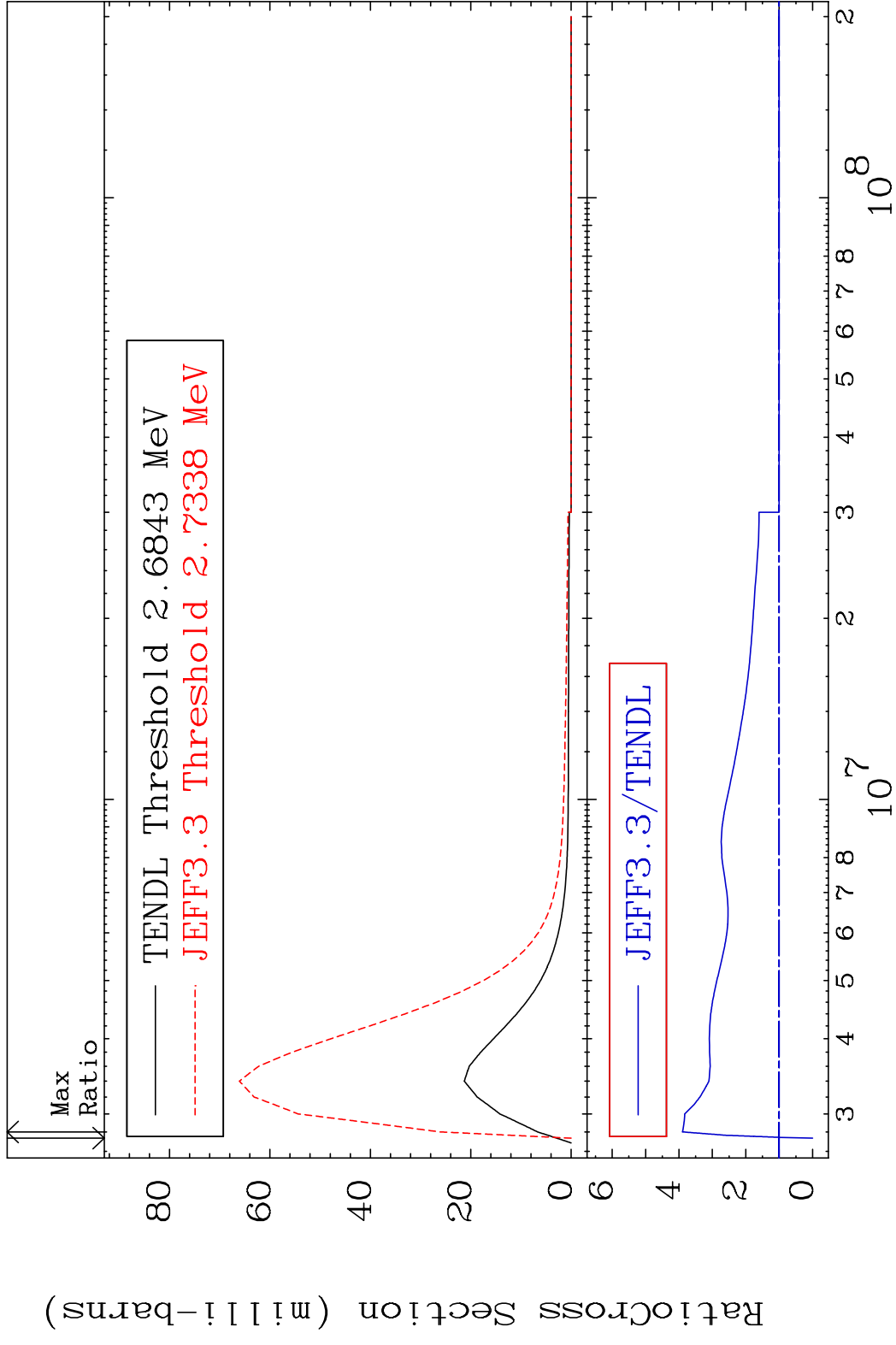
MAT 5067 MT= 68 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



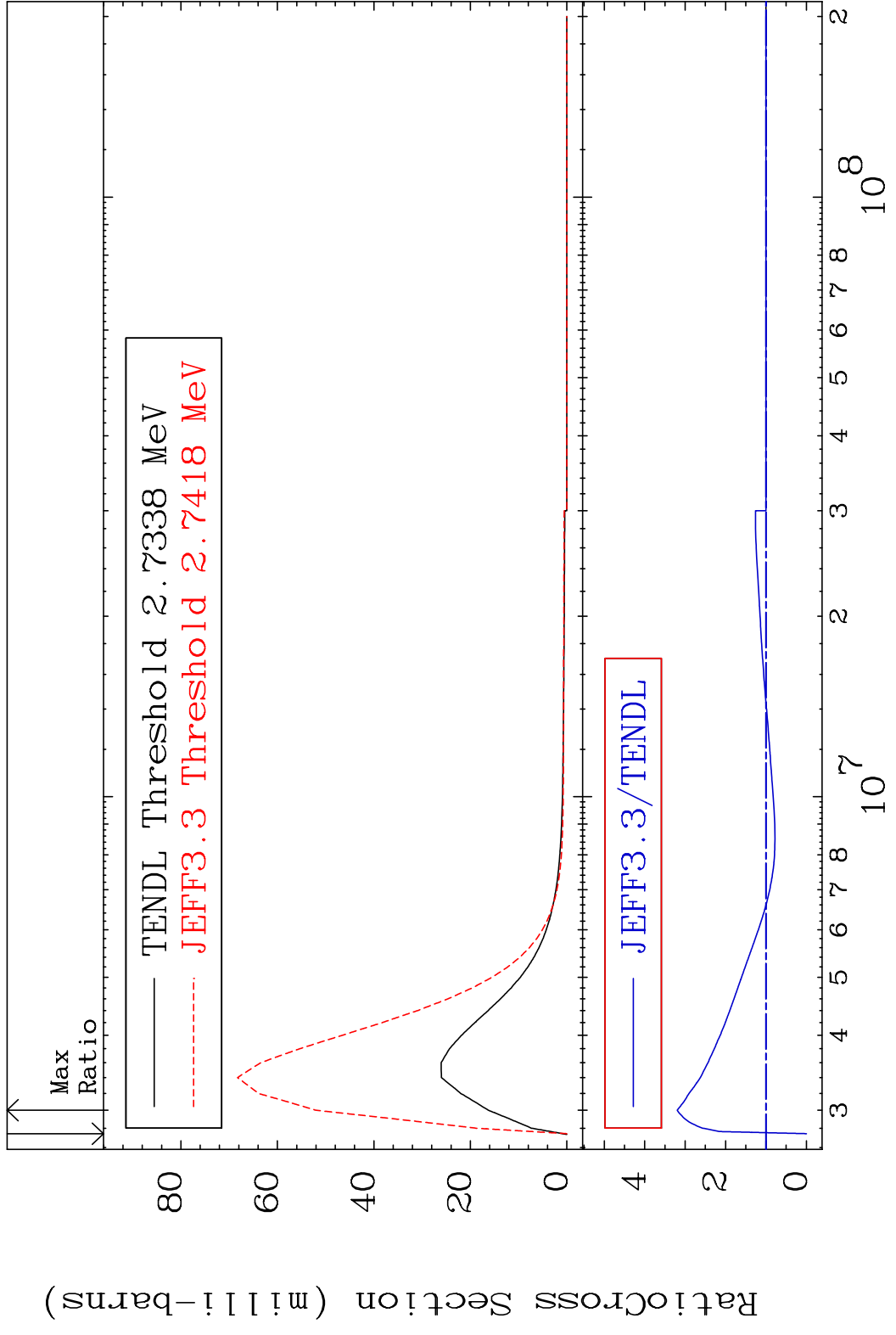
MAT 5067 MT= 69 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %



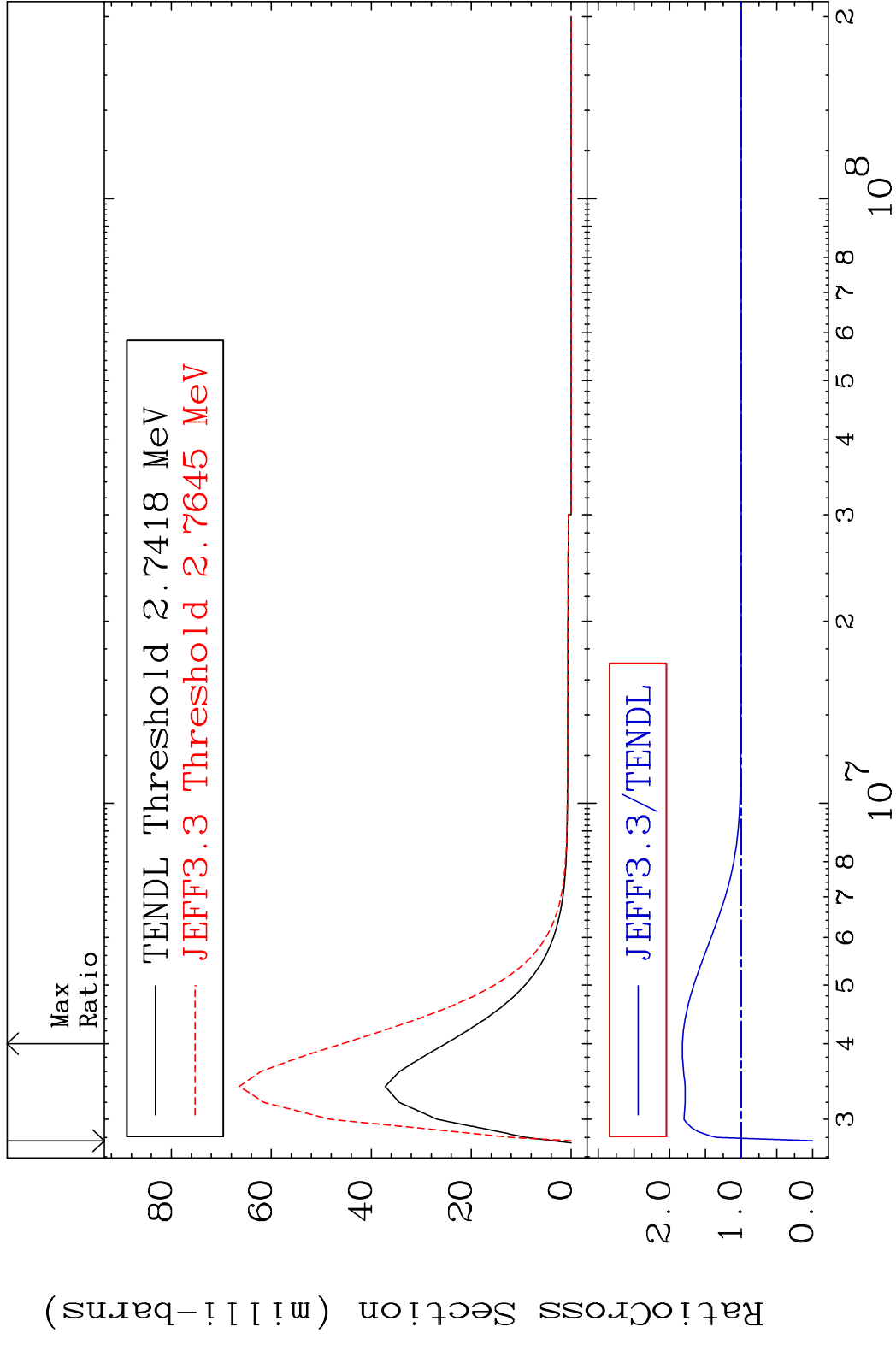
MAT 5067 MT= 70 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 289.8 %



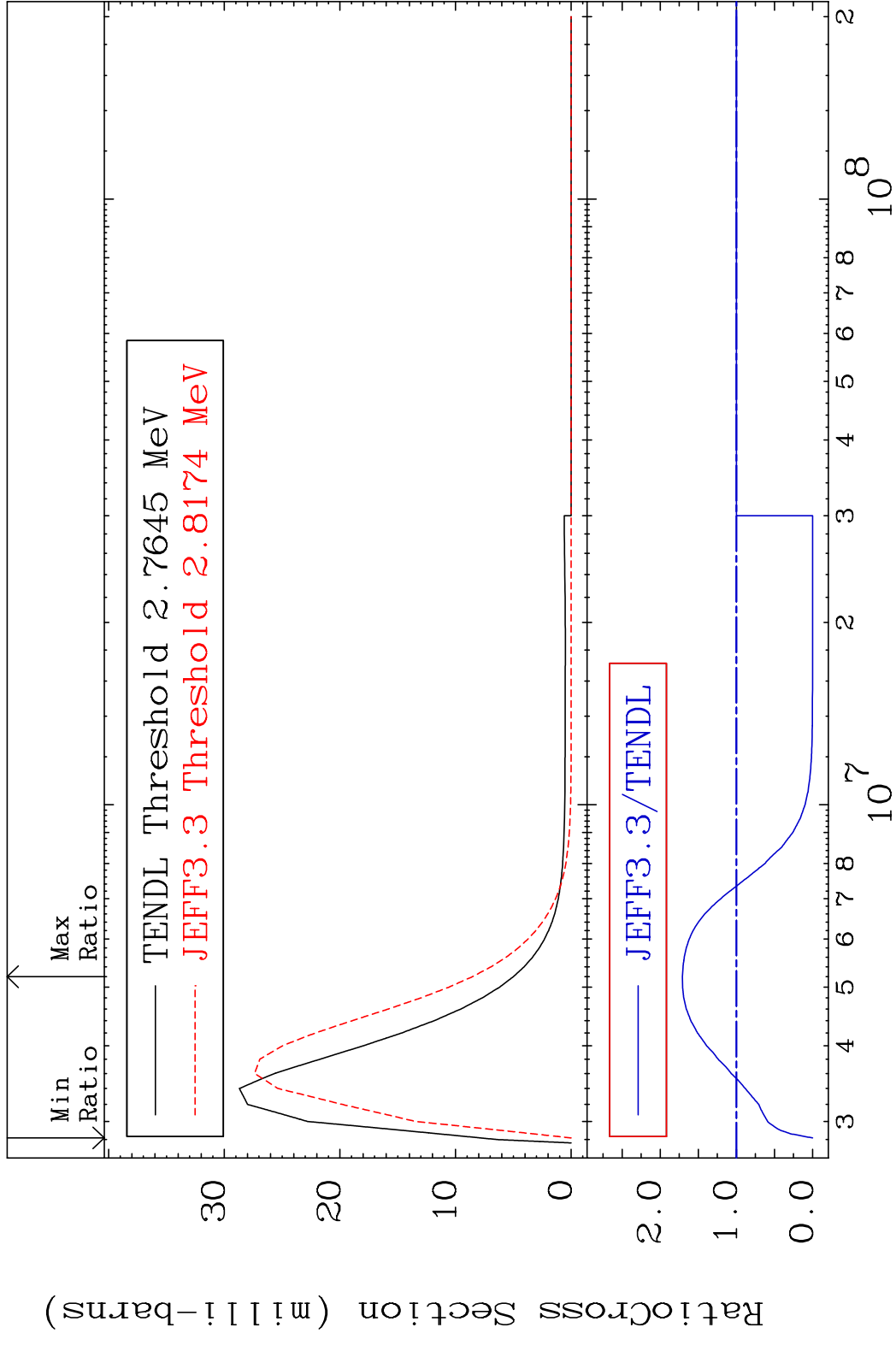
MAT 5067 MT= 71 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 219.6 %



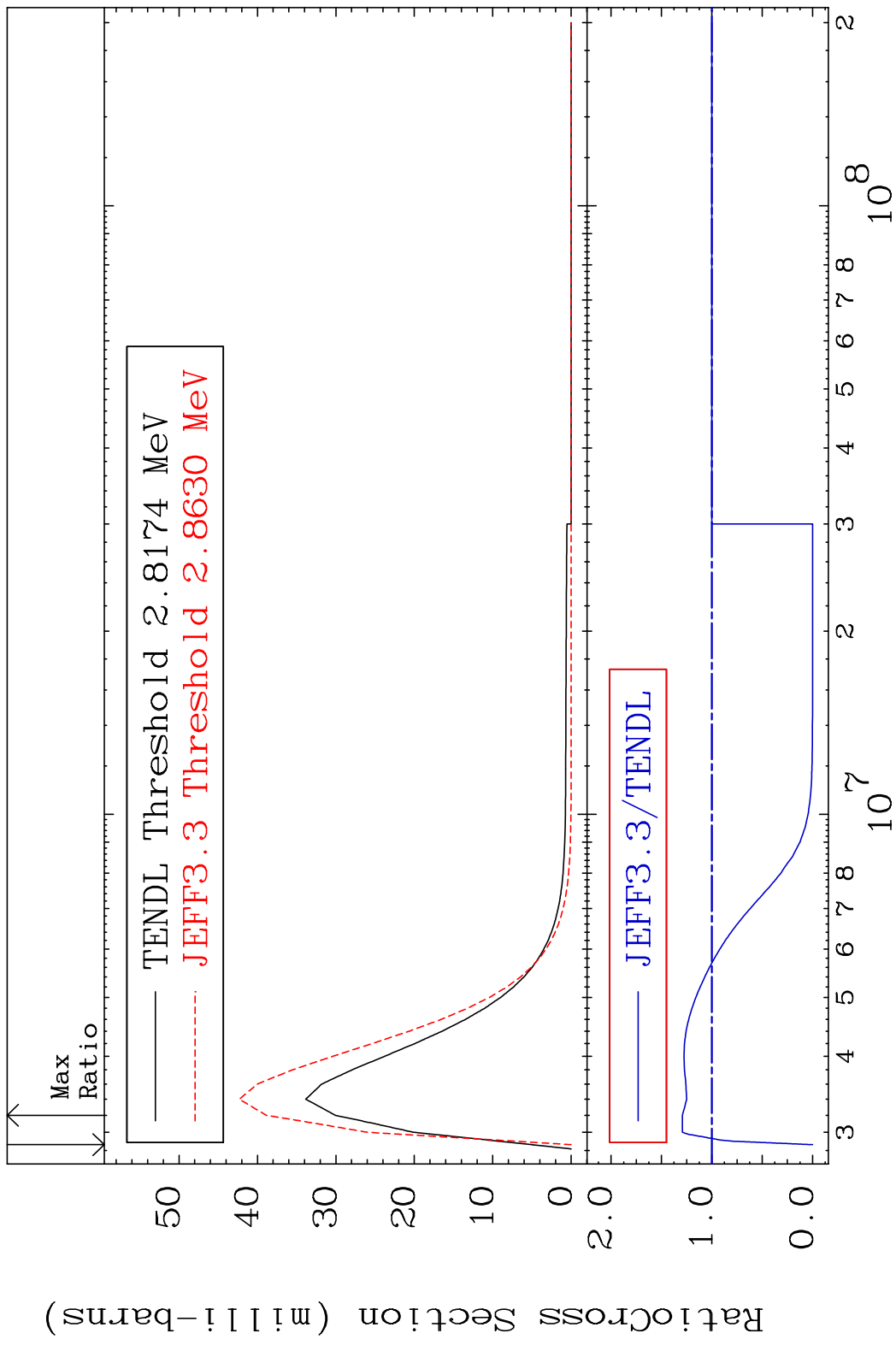
MAT 5067 MT= 72 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 82.32 %



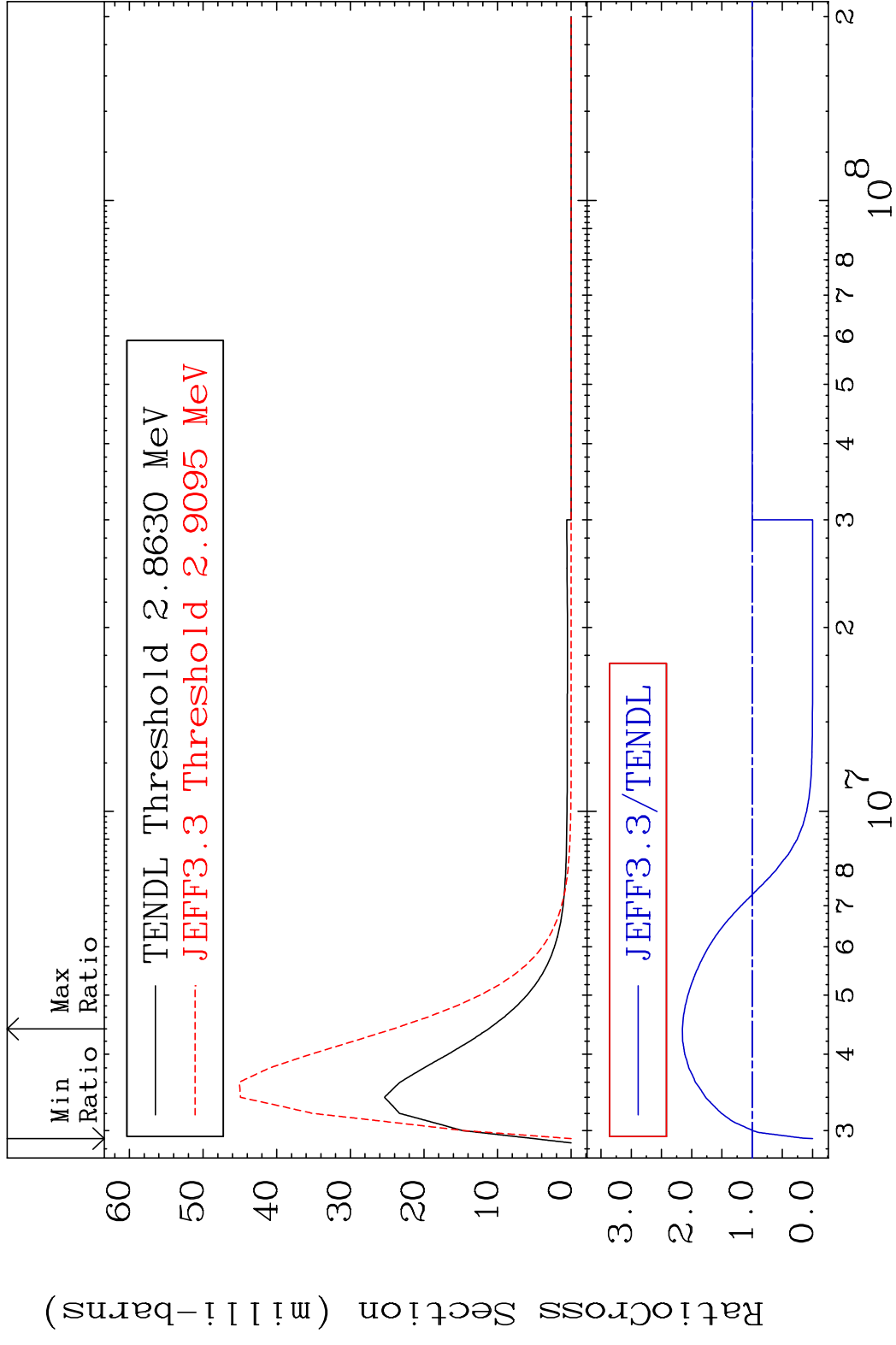
MAT 5067 MT= 73 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 70.92 %



MAT 5067 MT= 74 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 29.26 %

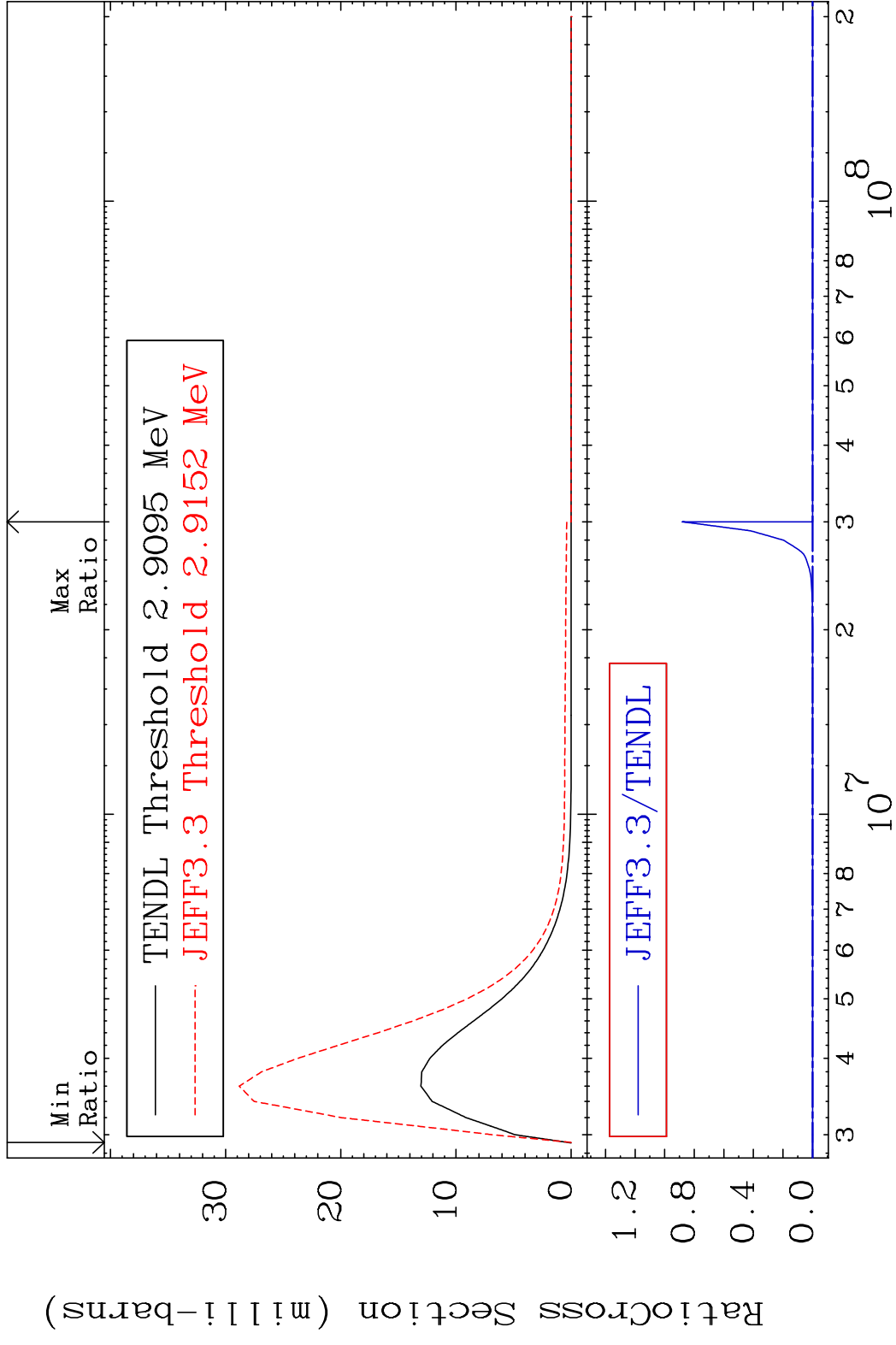


MAT 5067 MT= 75 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 115.5 %



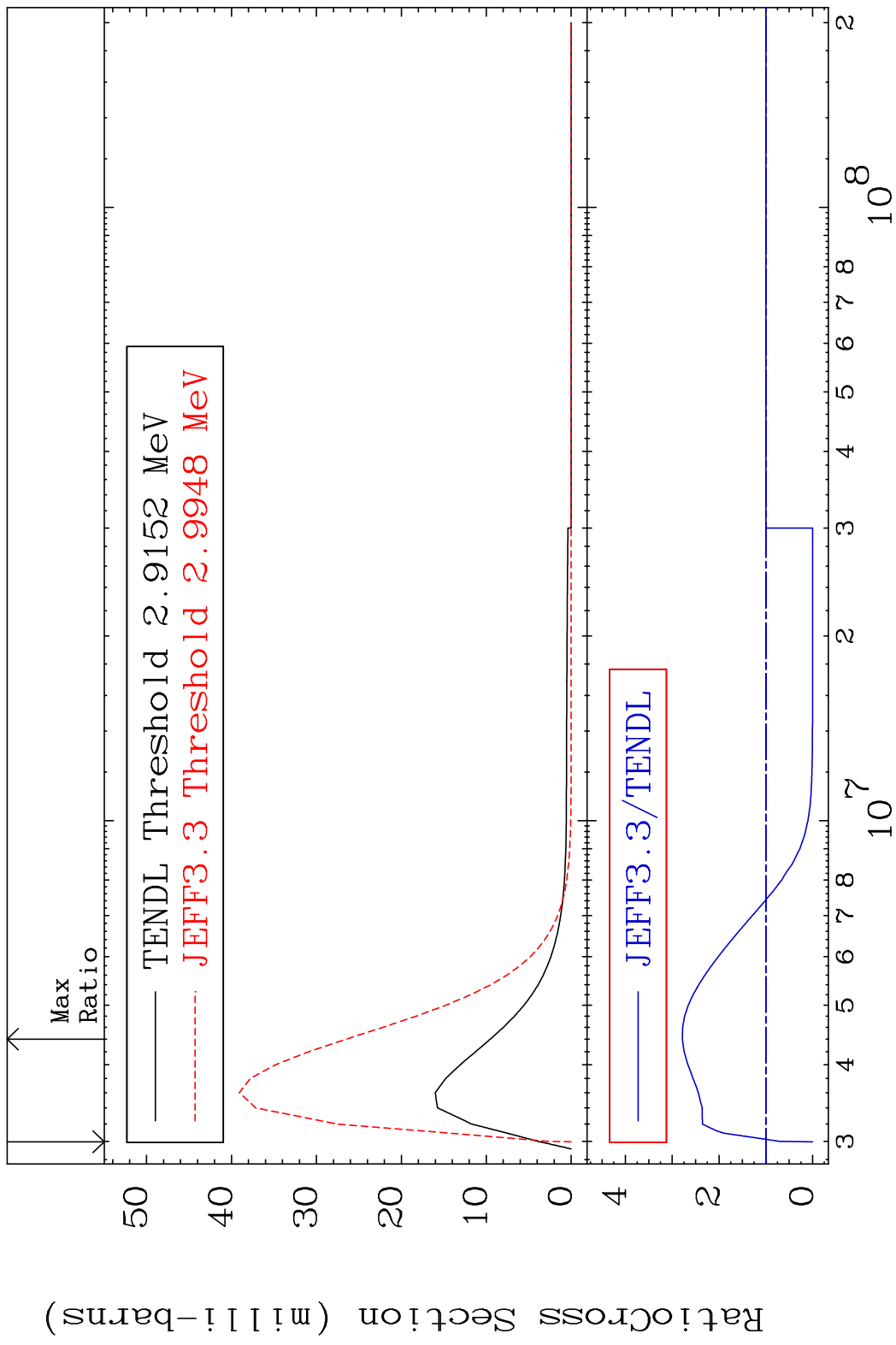


MAT 5067 MT= 76 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %

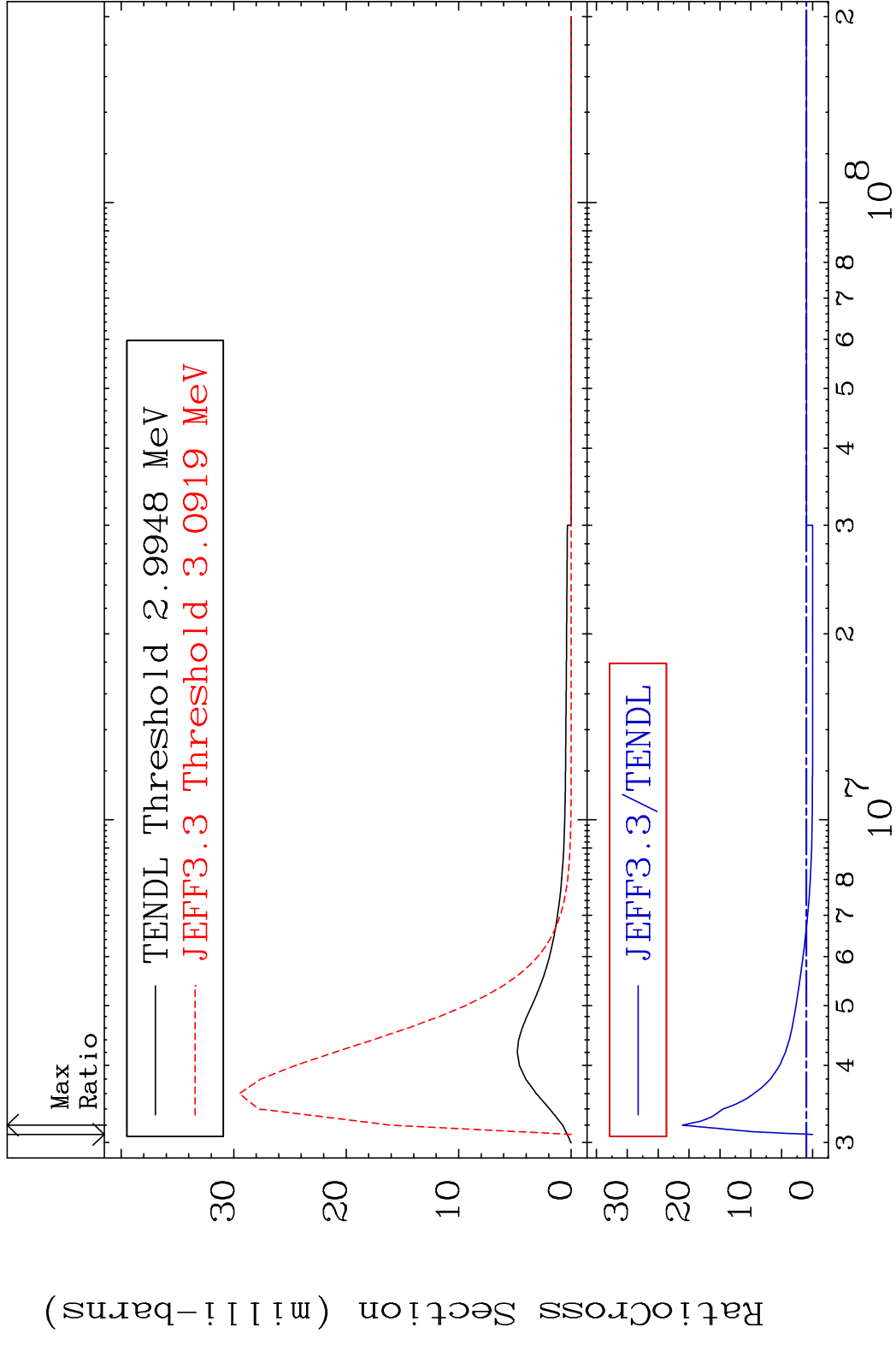


40 Incident Energy (eV) 50-Sn-126

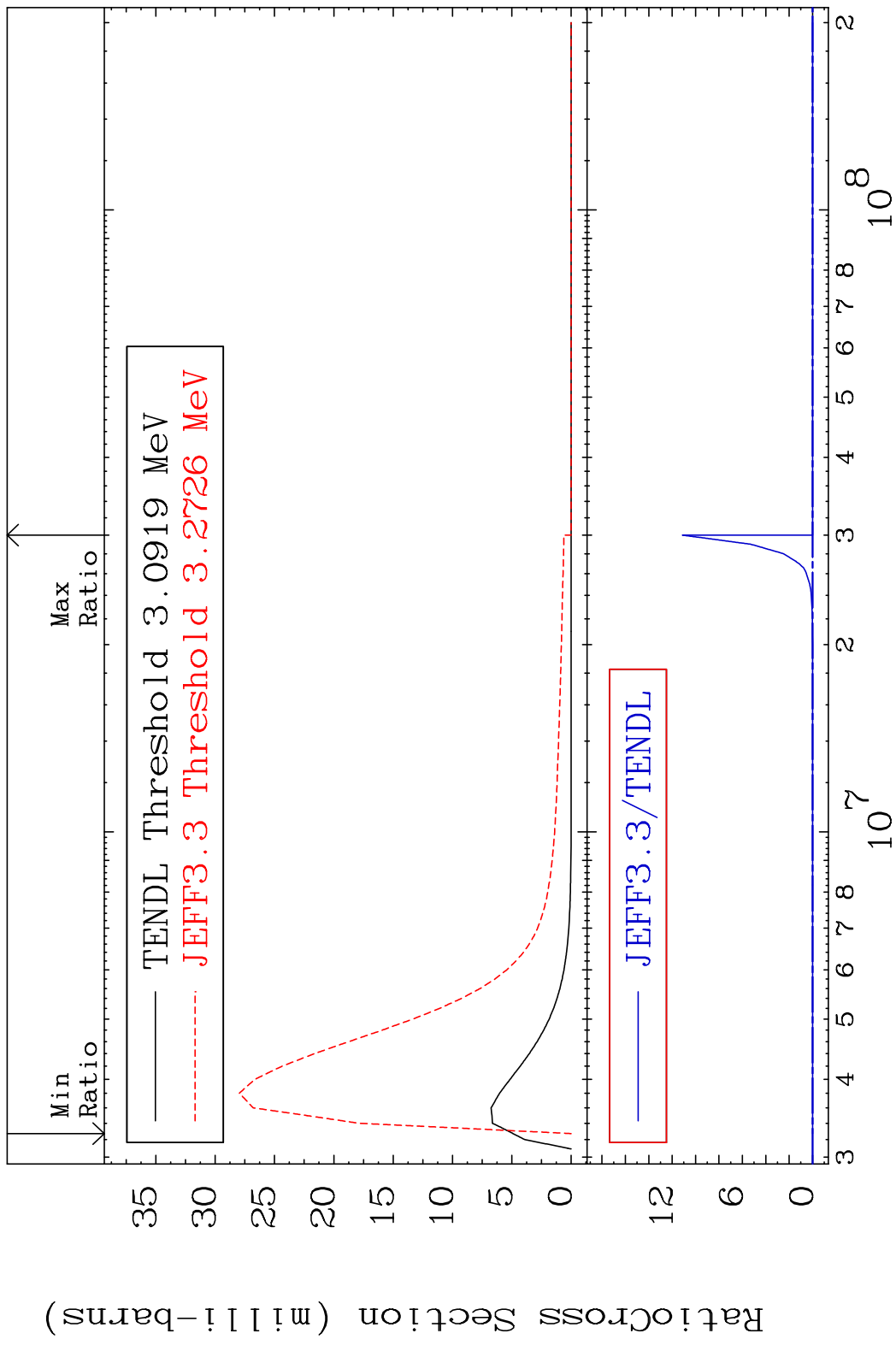
MAT 5067 MT= 77 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 178.4 %



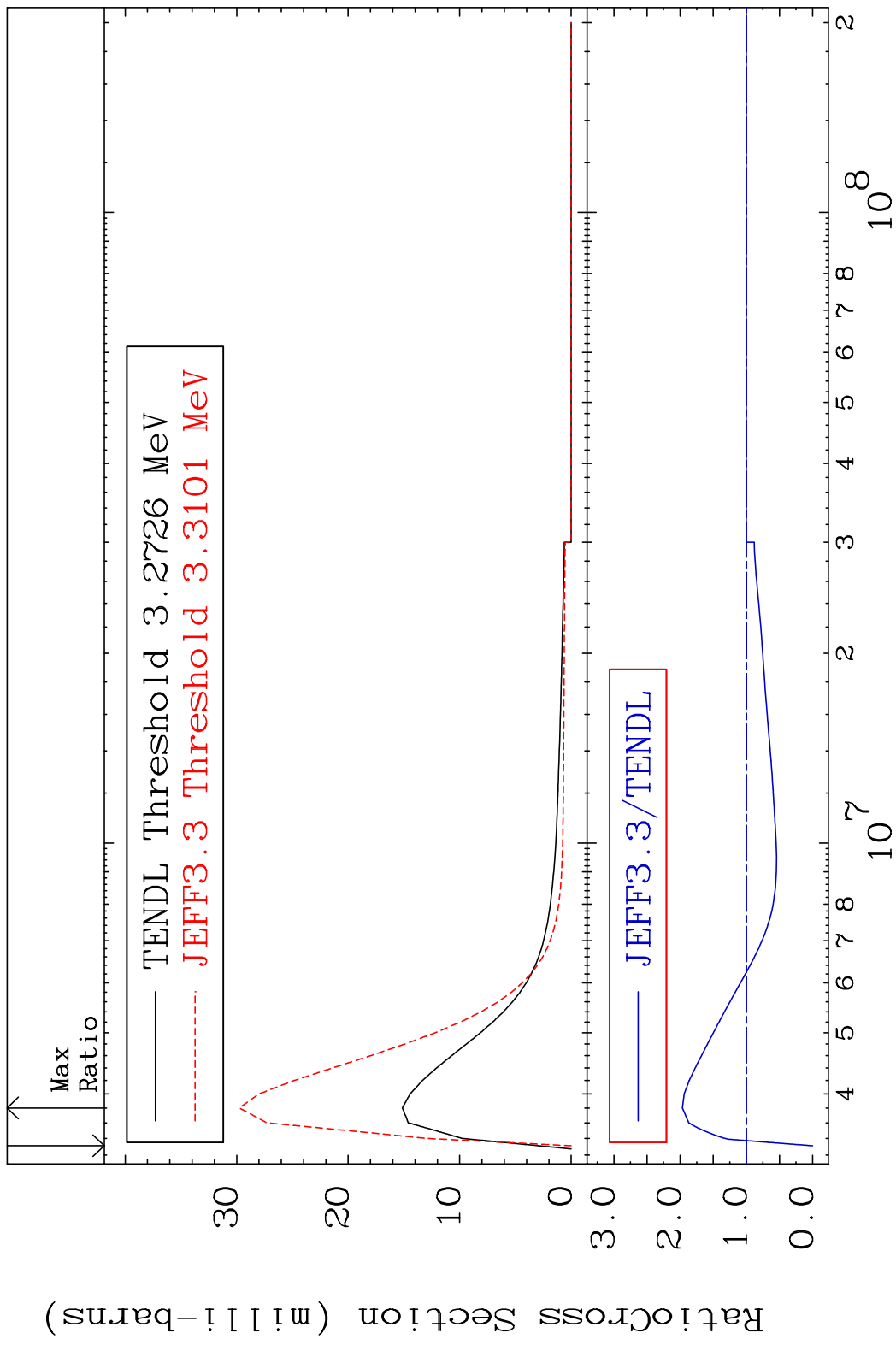
MAT 5067 MT= 78 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 2008. %



MAT 5067 MT= 79 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



MAT 5067 MT= 80 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 96.59 %

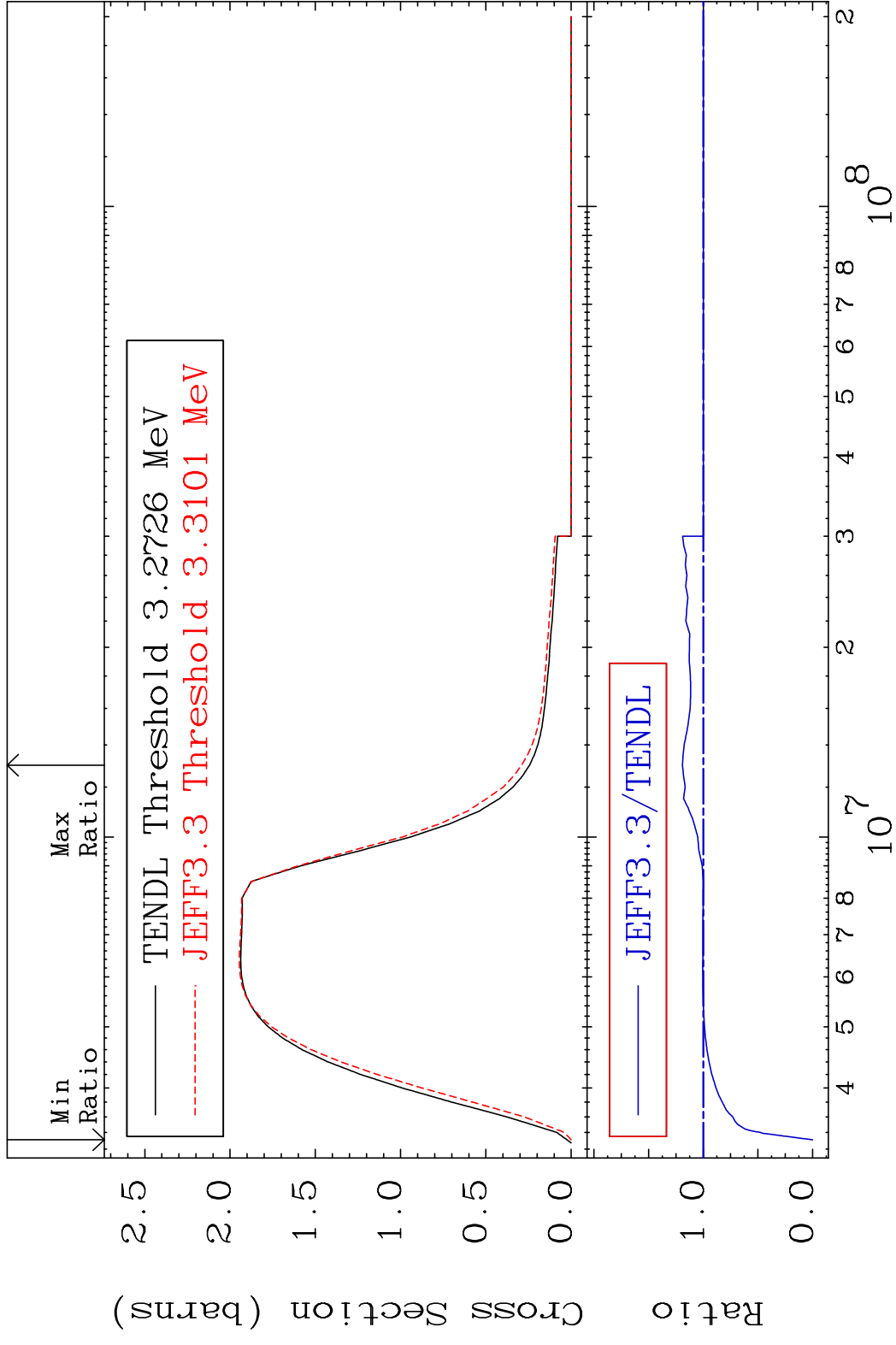


MAT 5067

(n, n') Continuum

50-Sn-126

Cross Section -100.0 To 19.13 %

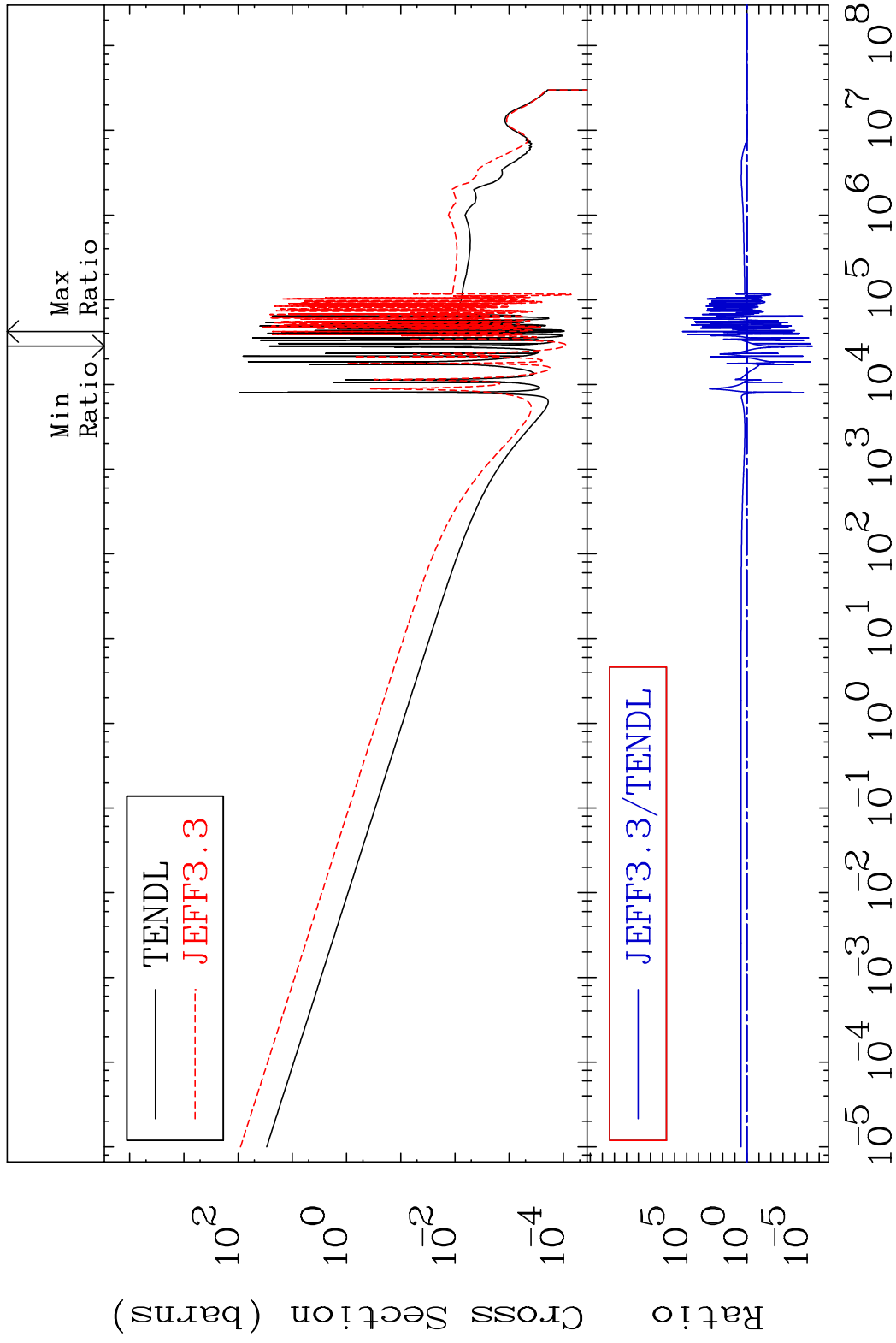


MAT 5067

(n,  $\gamma$ )

50-Sn-126

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

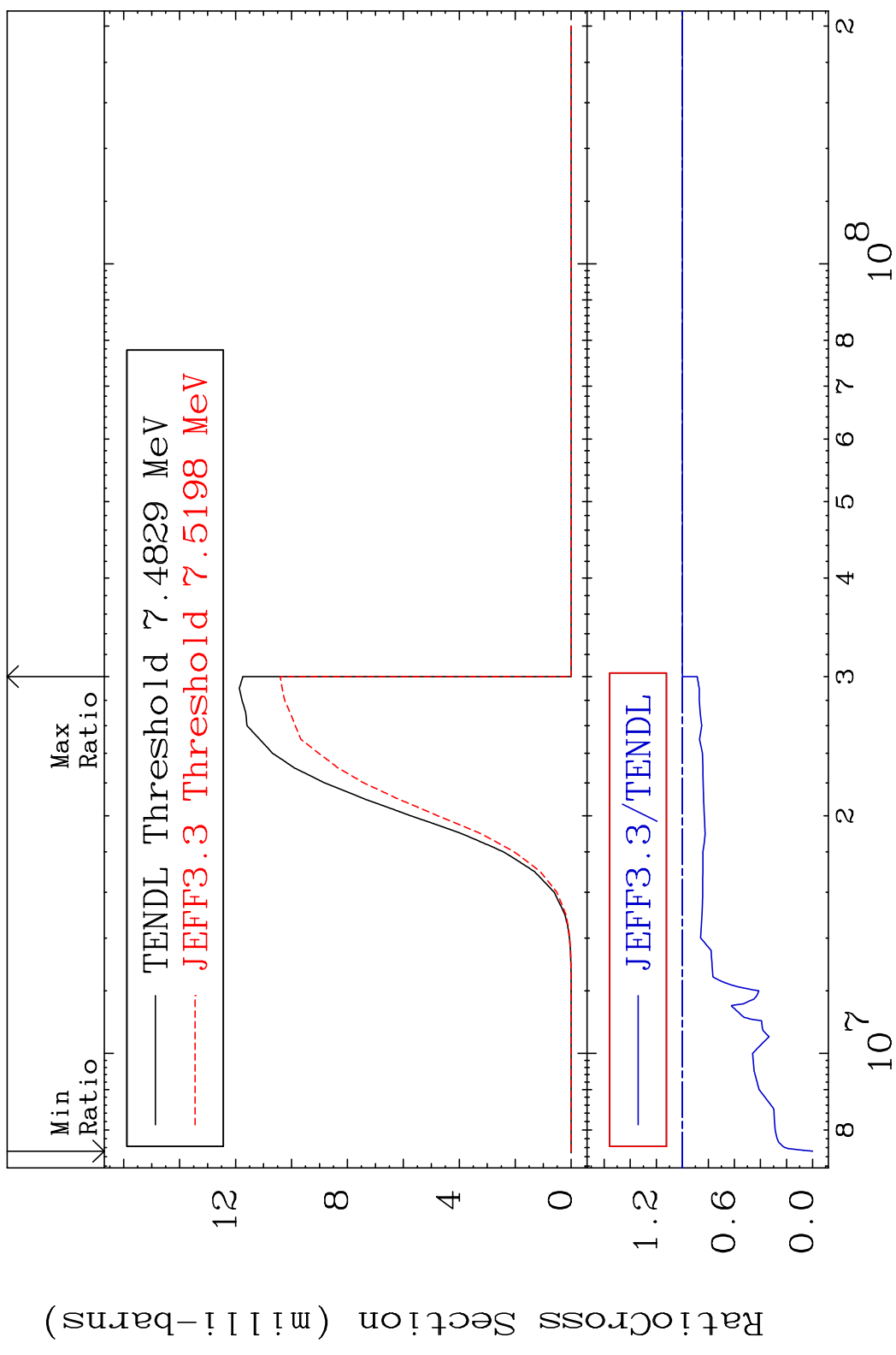
50-Sn-126

MAT 5067

(n,p)

50-Sn-126

Cross Section -100.0 To 0.000 %



47

Incident Energy (eV)

50-Sn-126

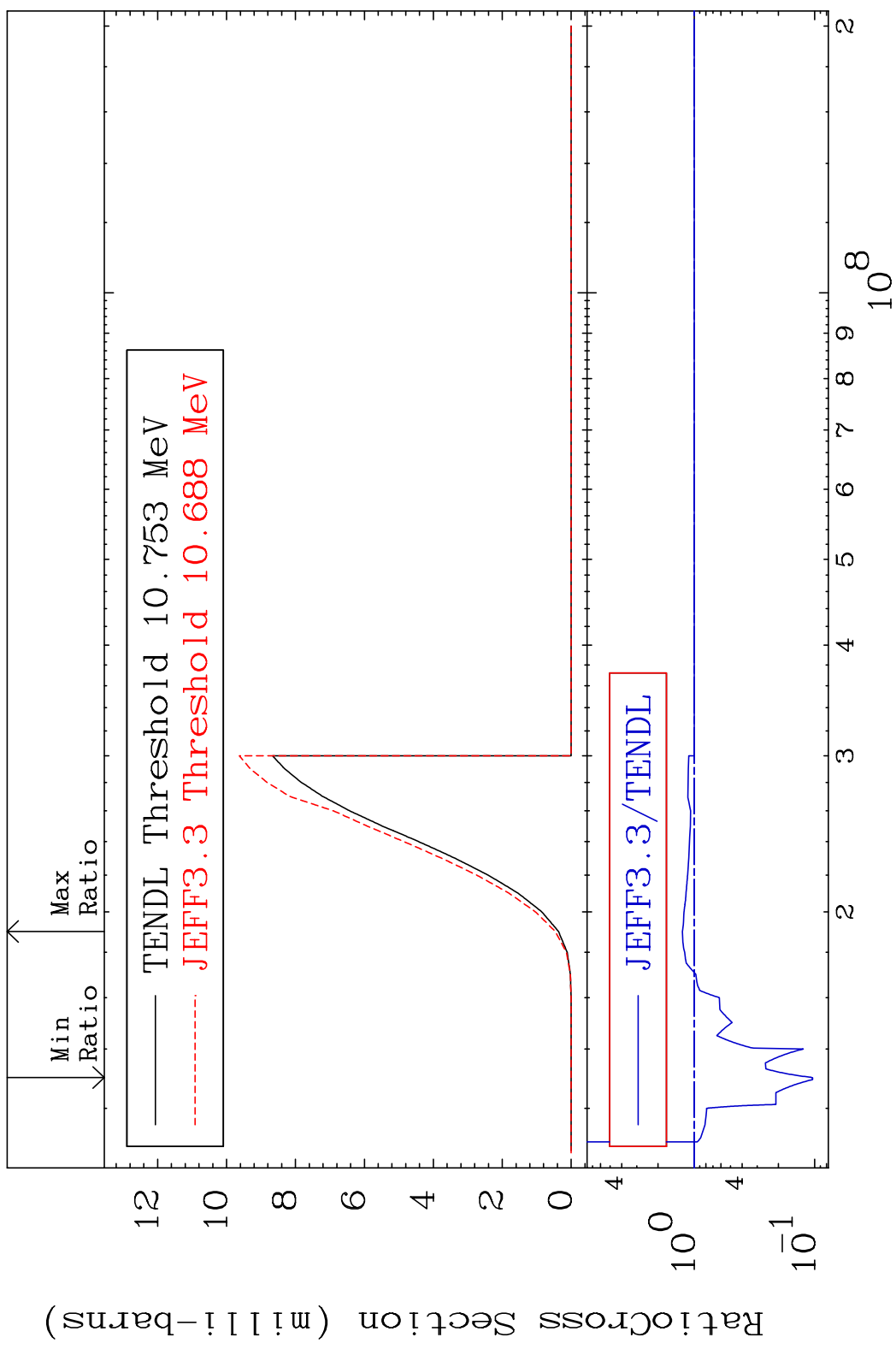


MAT 5067

(n, d)

50-Sn-126

Cross Section -89.57 To 25.70 %

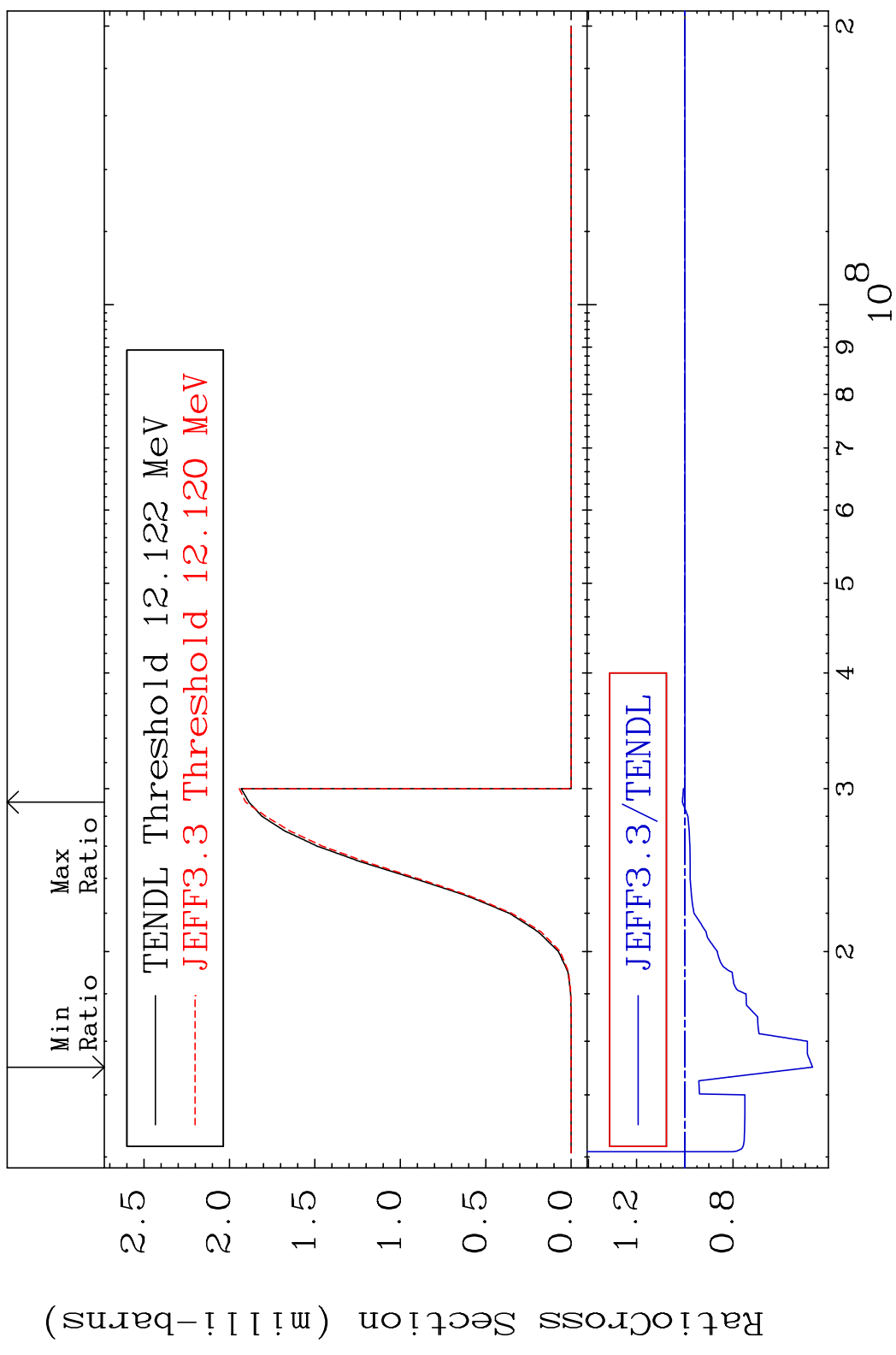


MAT 5067

(n, t)

50-Sn-126

Cross Section -53.01 To 1.032 %

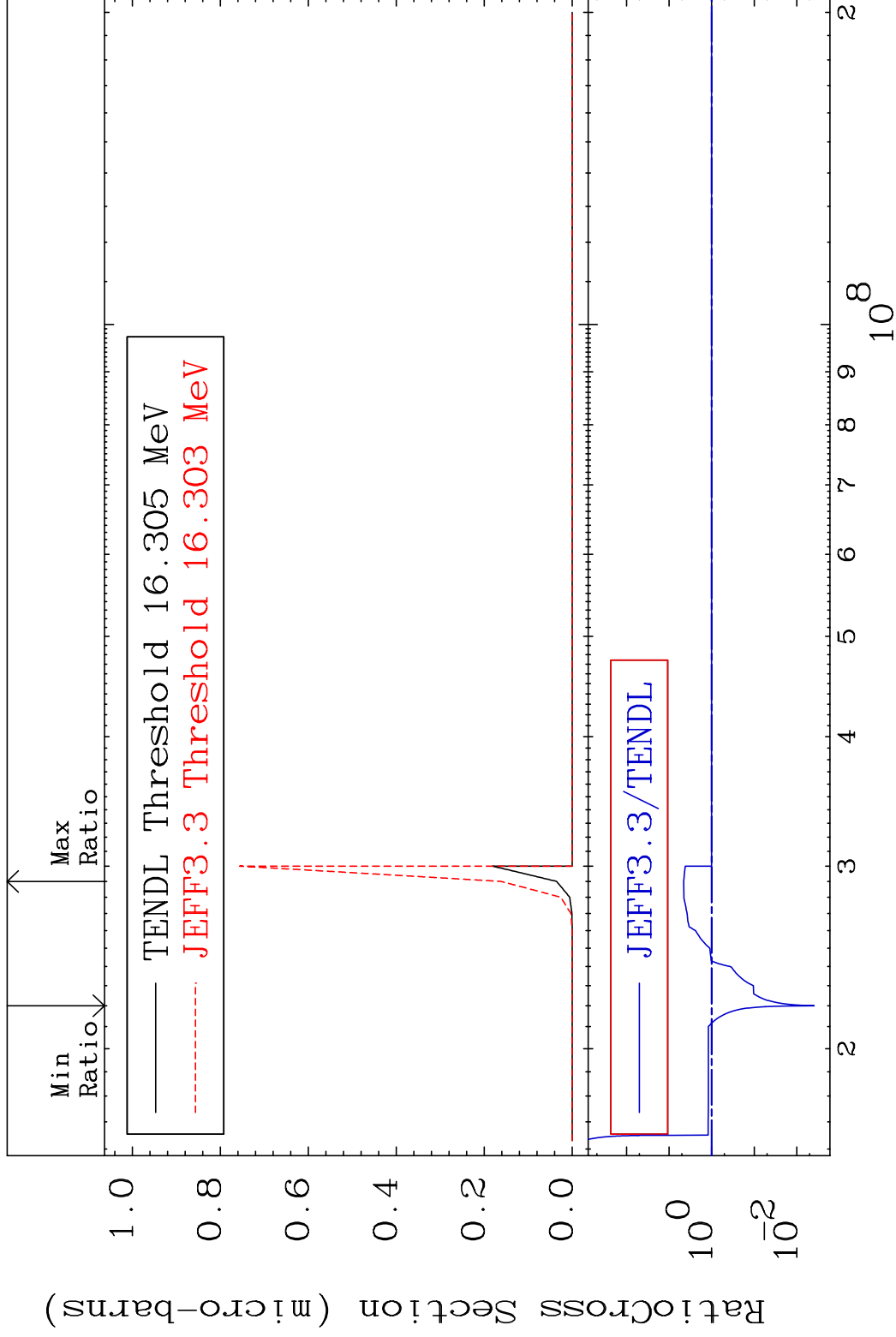


MAT 5067

(n, He-3)

50-Sn-126

Cross Section -99.61 To 354.6 %



50

Incident Energy (eV)

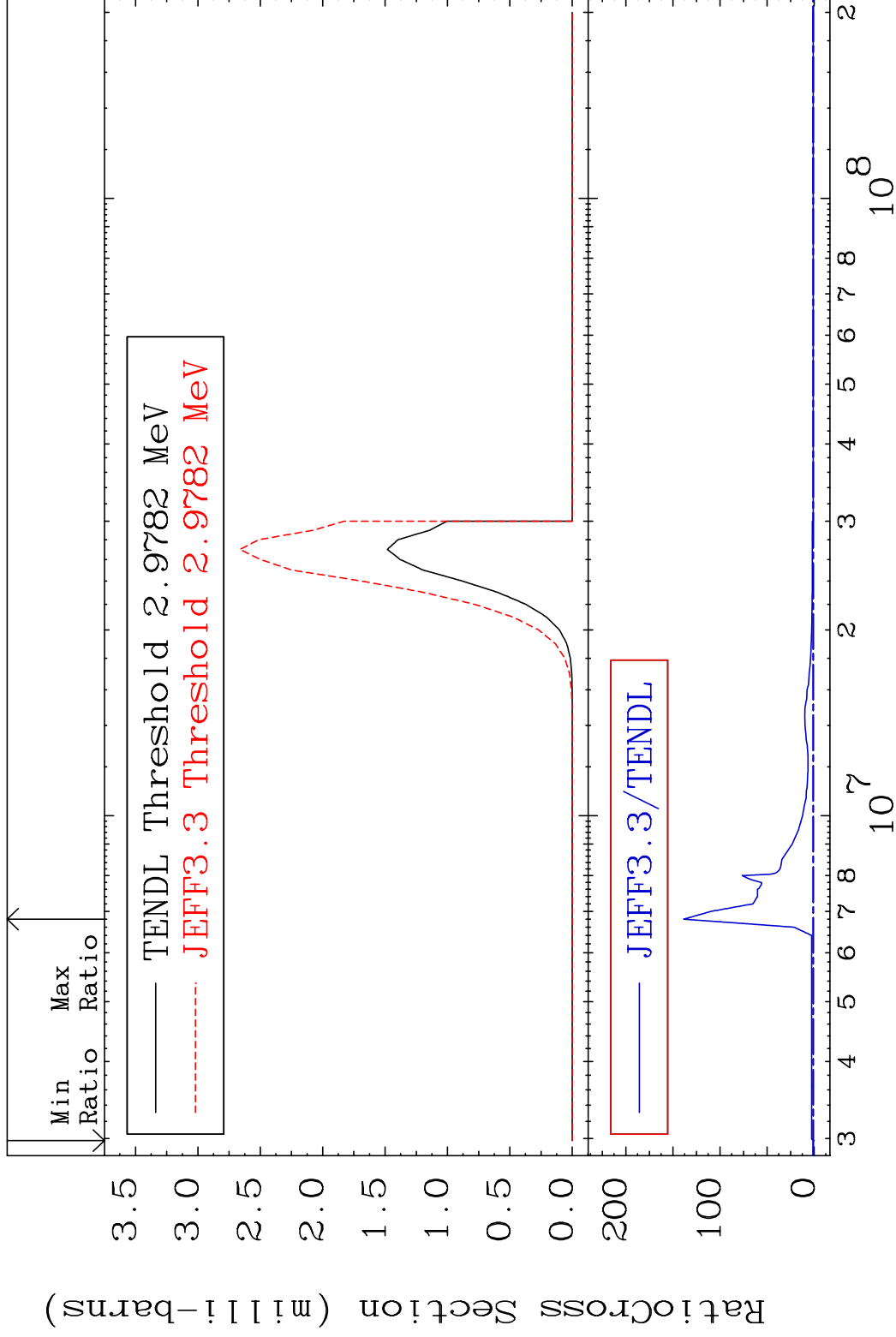
50-Sn-126

MAT 5067

(n,  $\alpha$ )

50-Sn-126

Cross Section -100.0 To 9999. %



51

Incident Energy (eV)

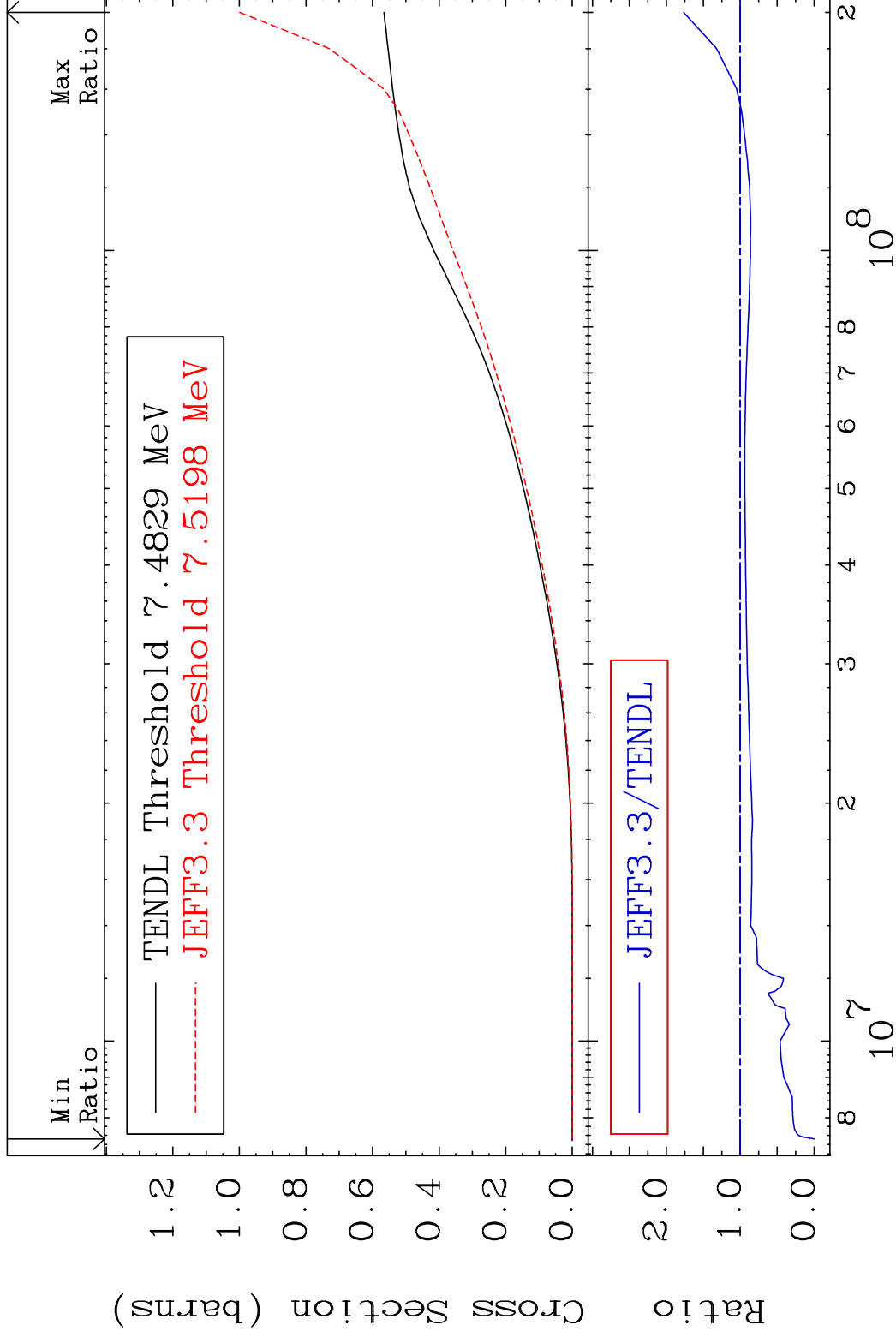
50-Sn-126

MAT 5067

Hydrogen Production

50-Sn-126

Cross Section -100.0 To 76.53 %



52

Incident Energy (eV)

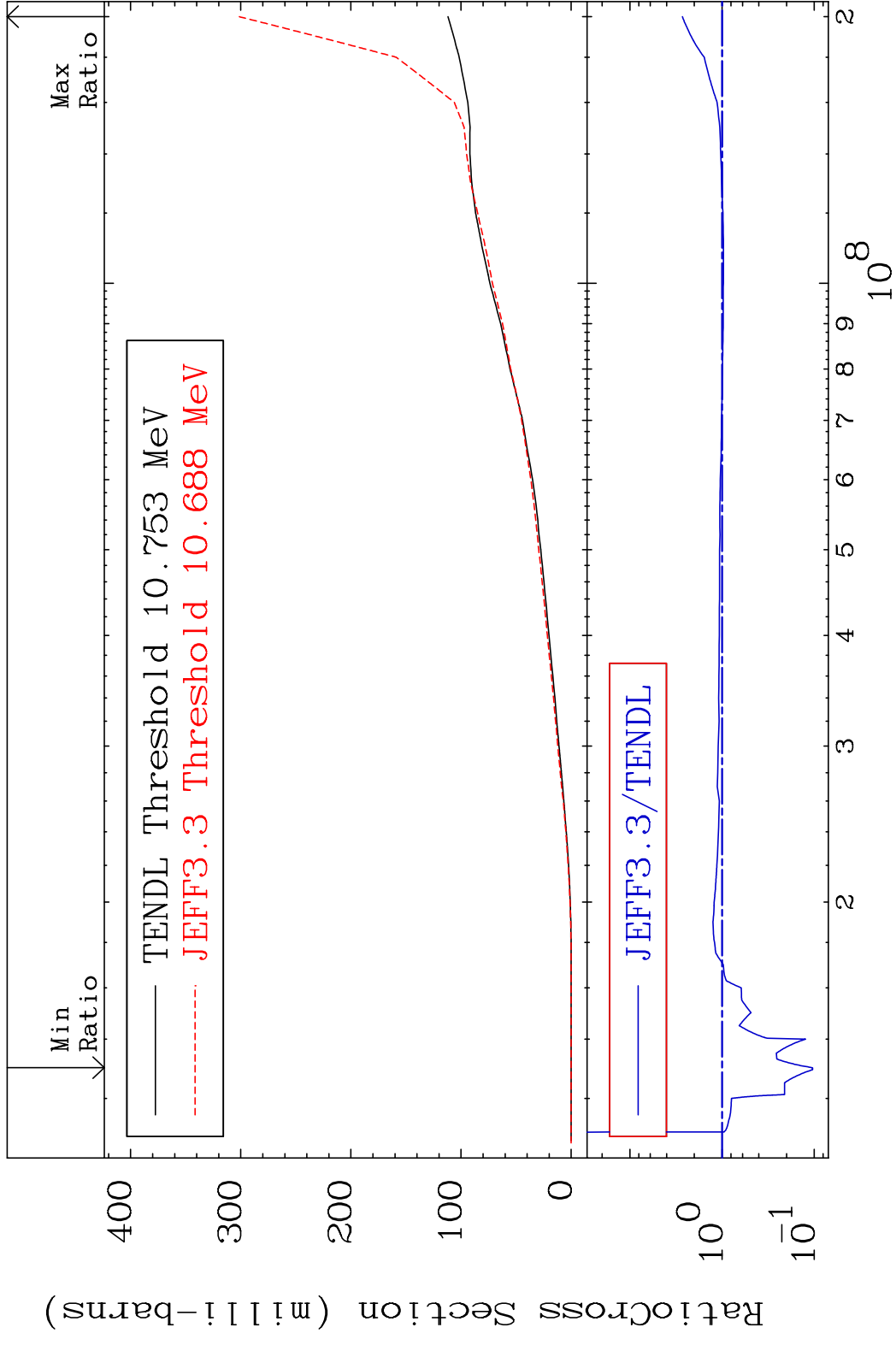
50-Sn-126

MAT 5067

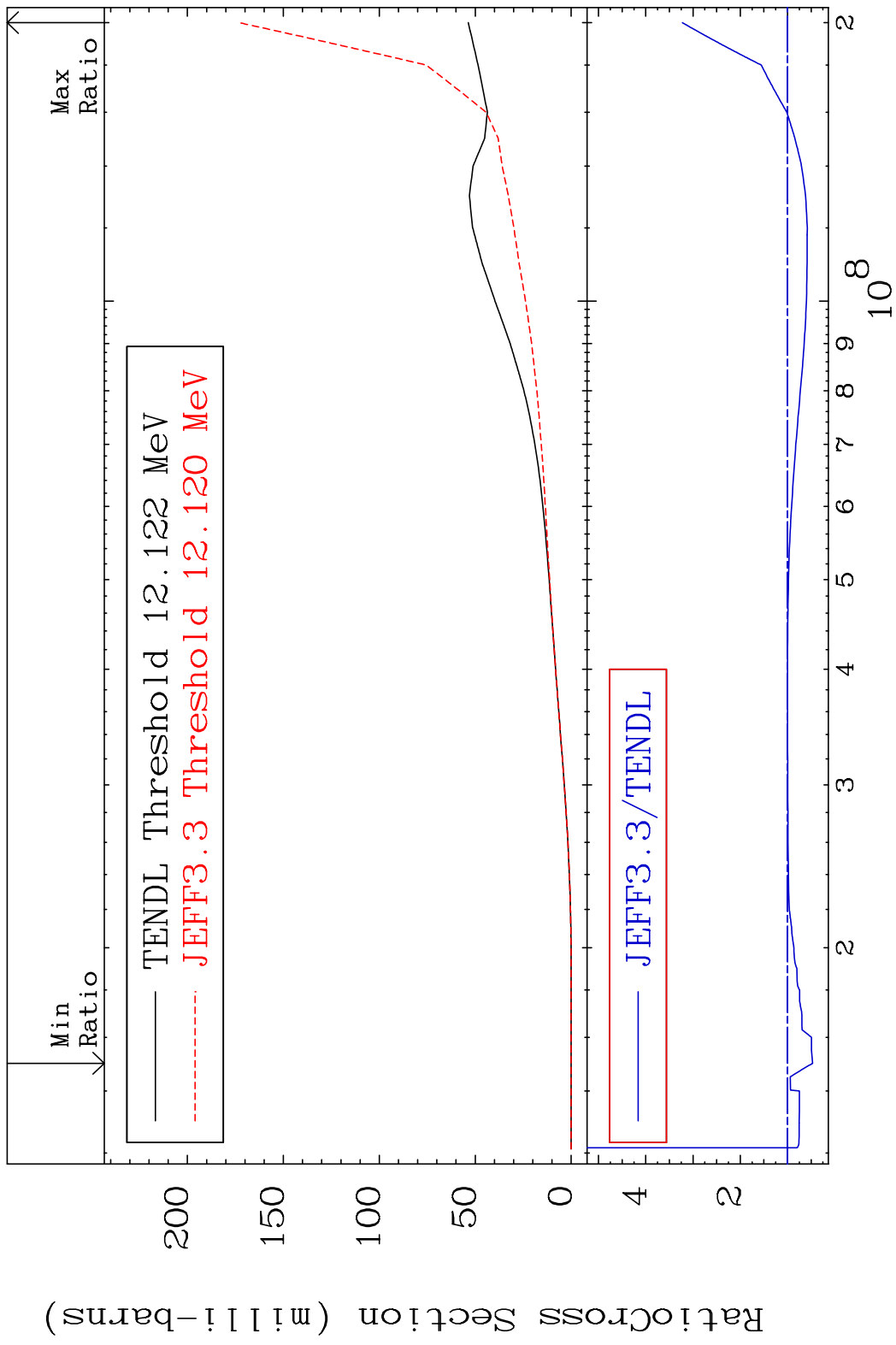
Deuterium Production

50-Sn-126

Cross Section -89.57 To 169.6 %



MAT 5067 Tritium Production 50-Sn-126  
 Cross Section -53.01 To 222.5 %

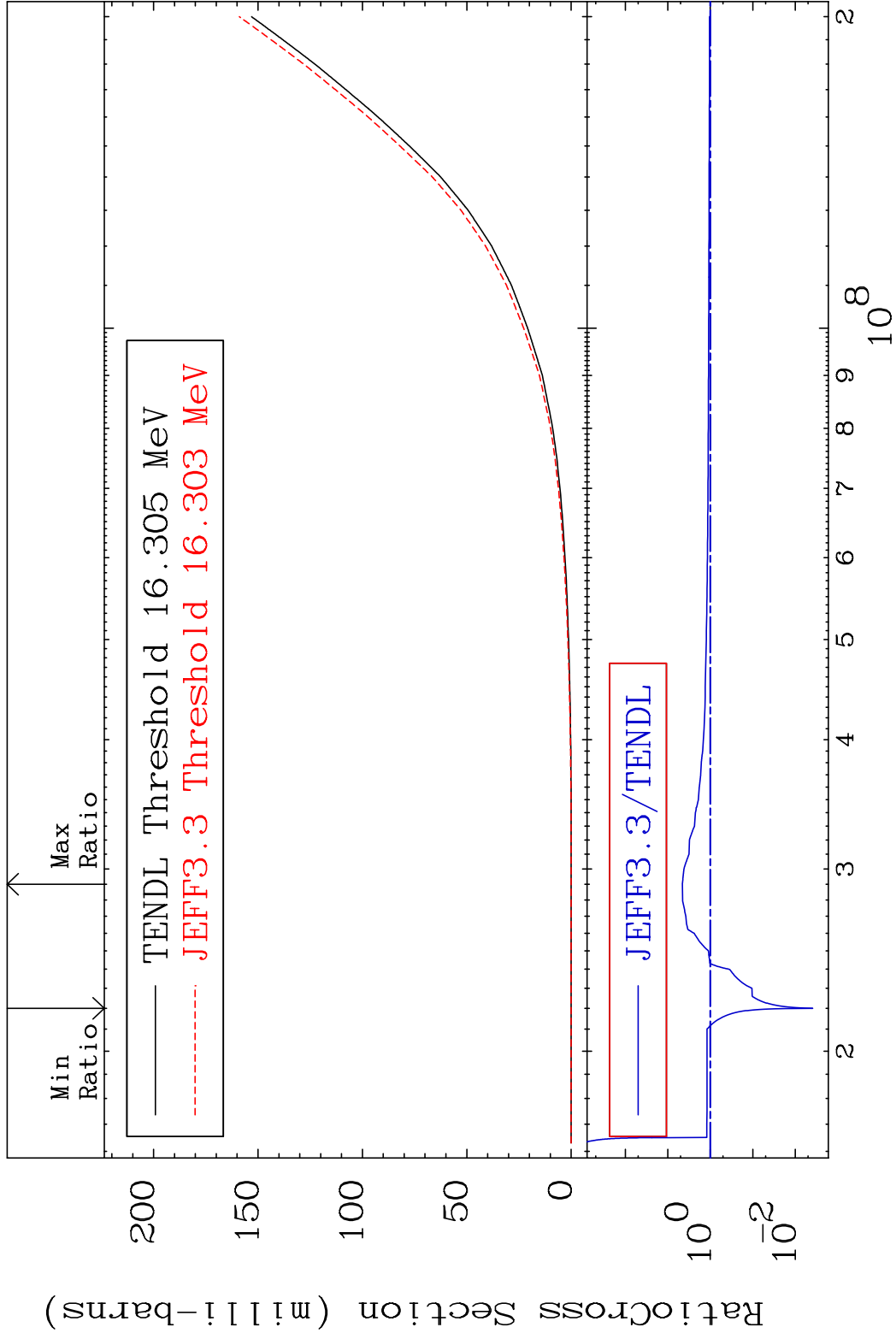


MAT 5067

He-3 Production

50-Sn-126

Cross Section -99.61 To 354.6 %



55

Incident Energy (eV)

50-Sn-126

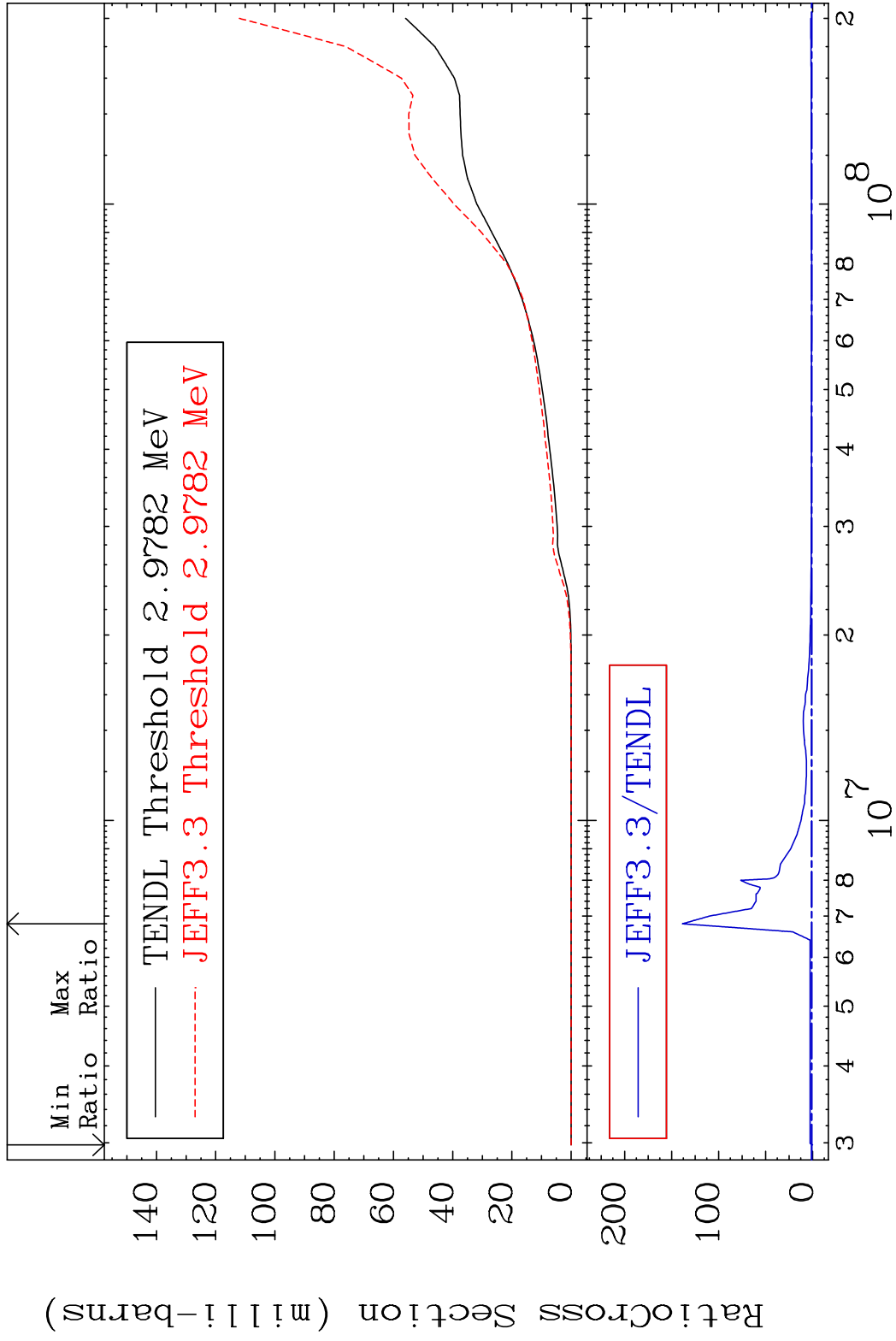


MAT 5067

He-4 Production

50-Sn-126

Cross Section -100.0 To 9999. %

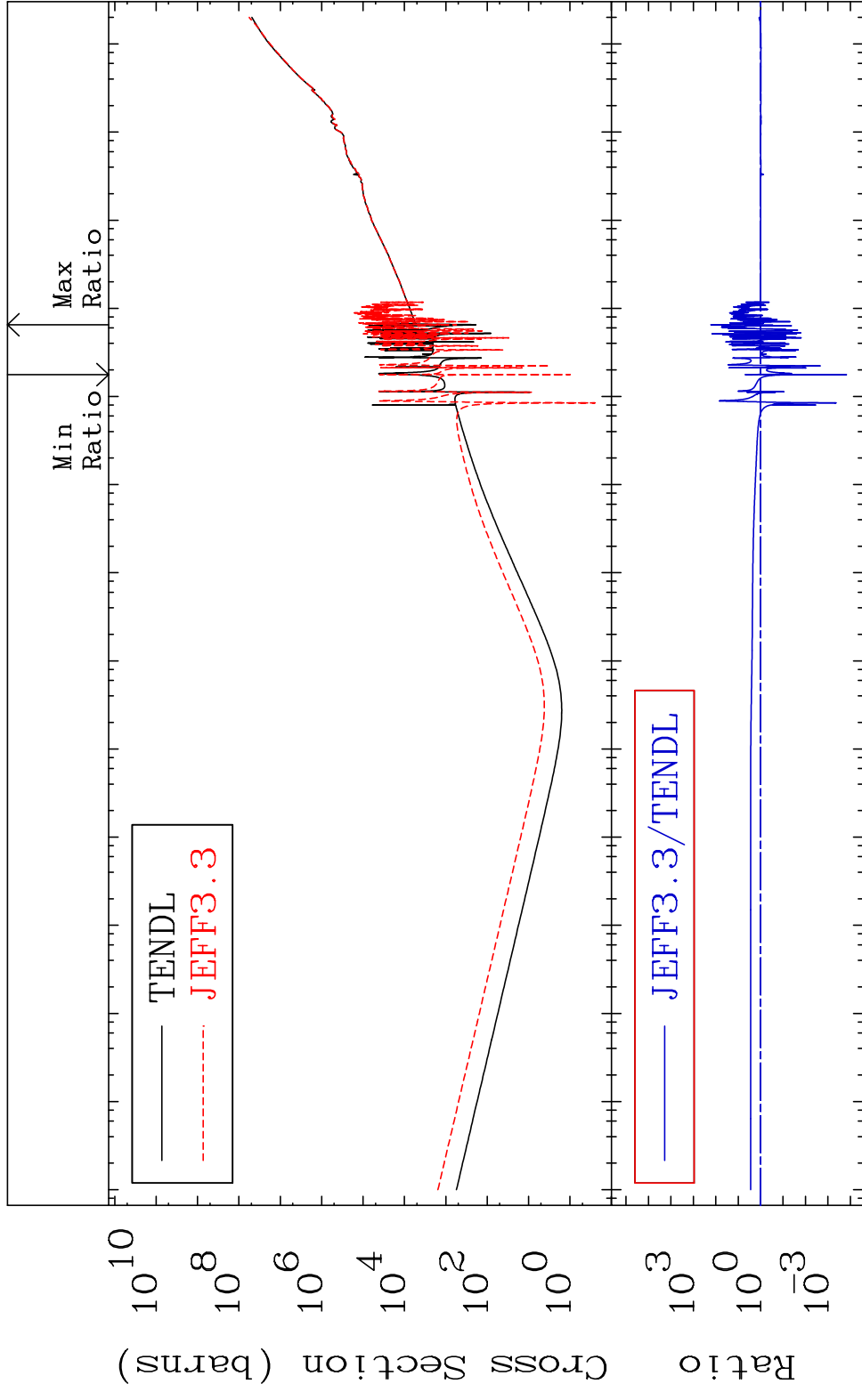


56

Incident Energy (eV)

50-Sn-126

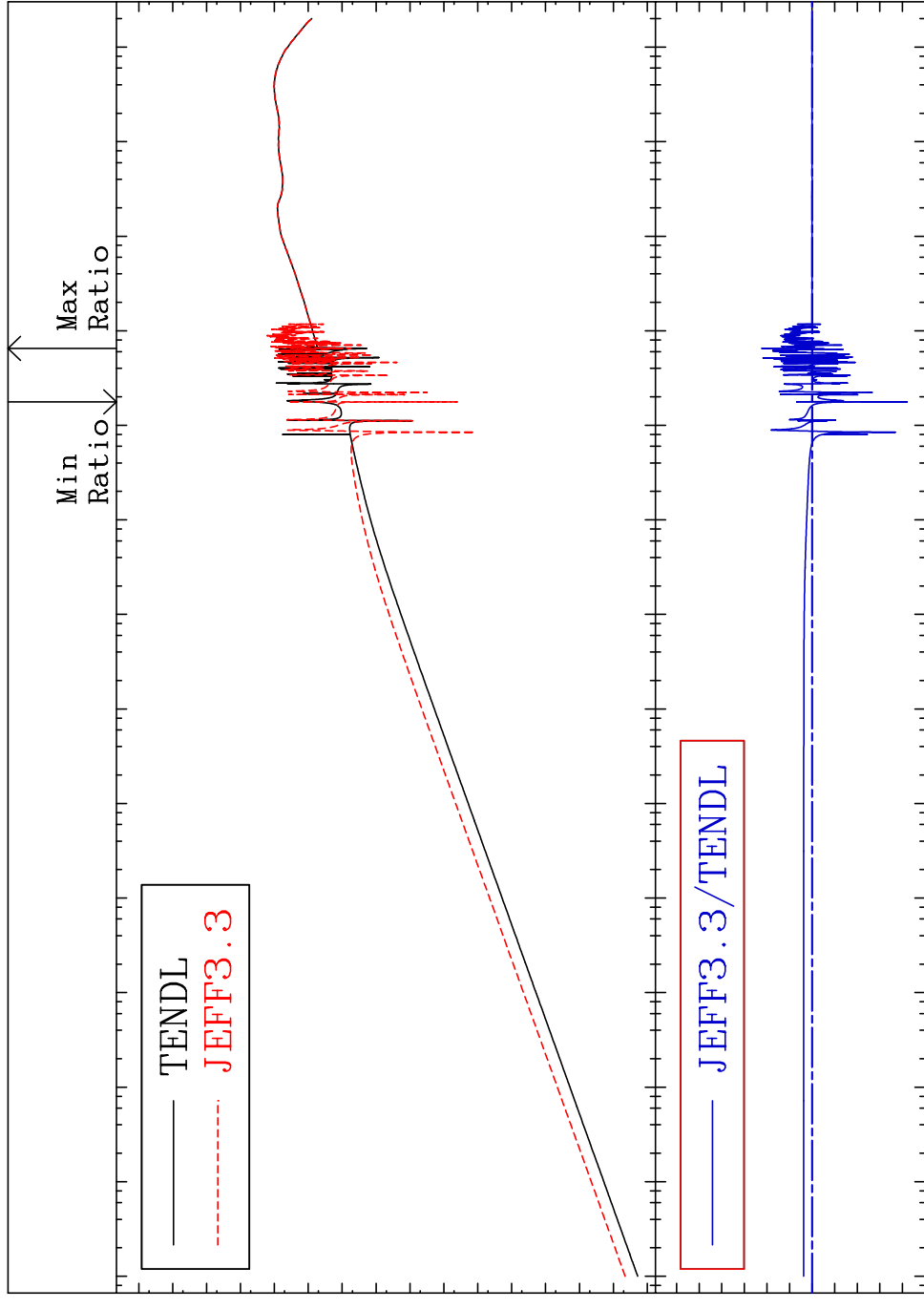
MAT 5067 Kerma total (eV-barns) 50-Sn-126  
 Cross Section -99.98 To 9999. %



MAT 5067

Kerma elastic  
Cross Section

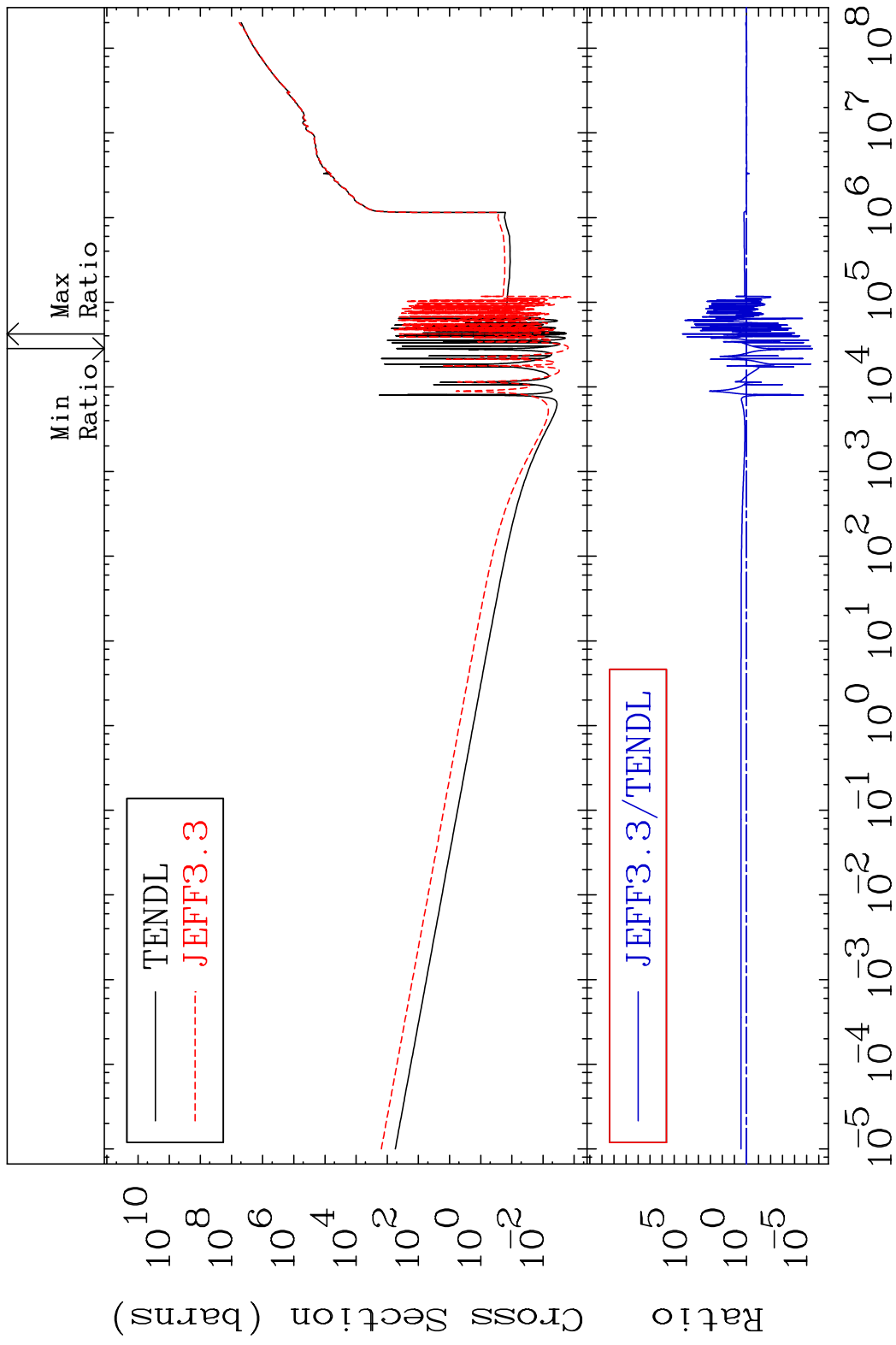
50-Sn-126  
-99.99 To 9999. %



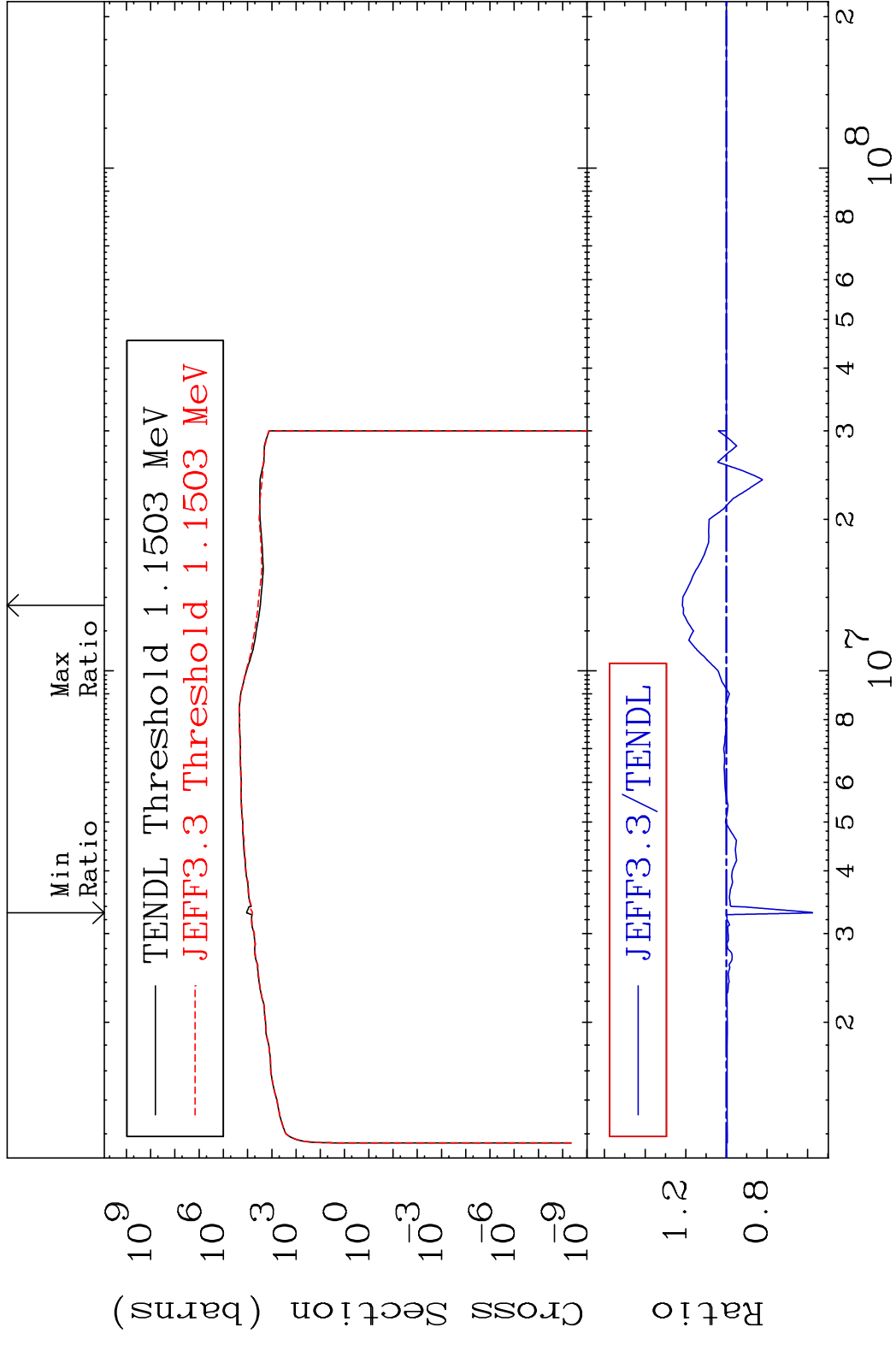
$10^8$   
 $10^6$   
 $10^4$   
 $10^2$   
 $10^0$   
 $10^{-2}$   
 $10^{-4}$   
 $10^{-6}$   
 $10^3$   
 $10^0$   
 $10^{-3}$

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

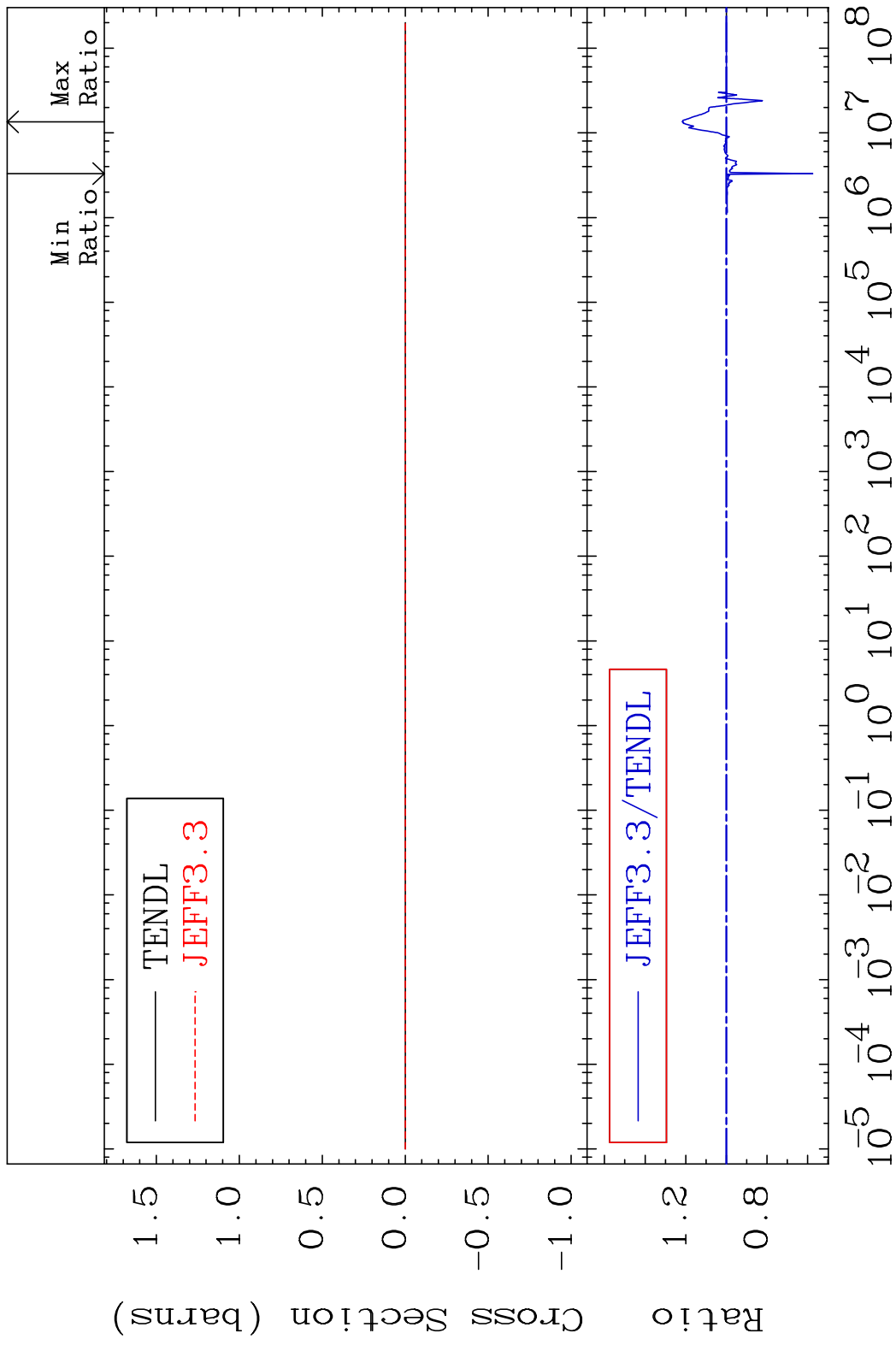
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126  
 Cross Section -100.0 To 9999. %



MAT 5067 Kerma inelastic (mt51-91) 50-Sn-126  
 Cross Section -42.49 To 21.65 %

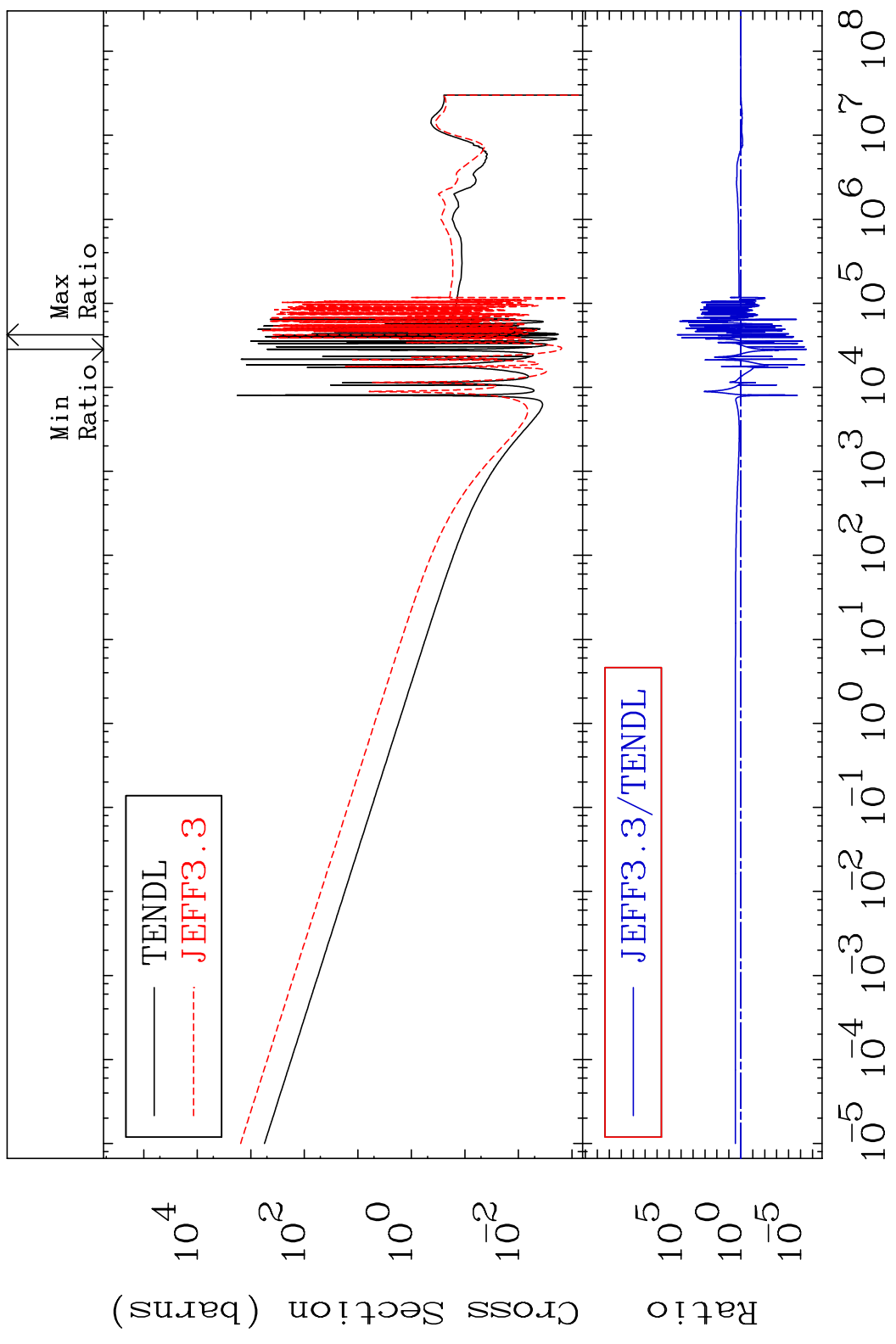


MAT 5067 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-126  
 Cross Section -42.49 To 21.65 %



MAT 5067

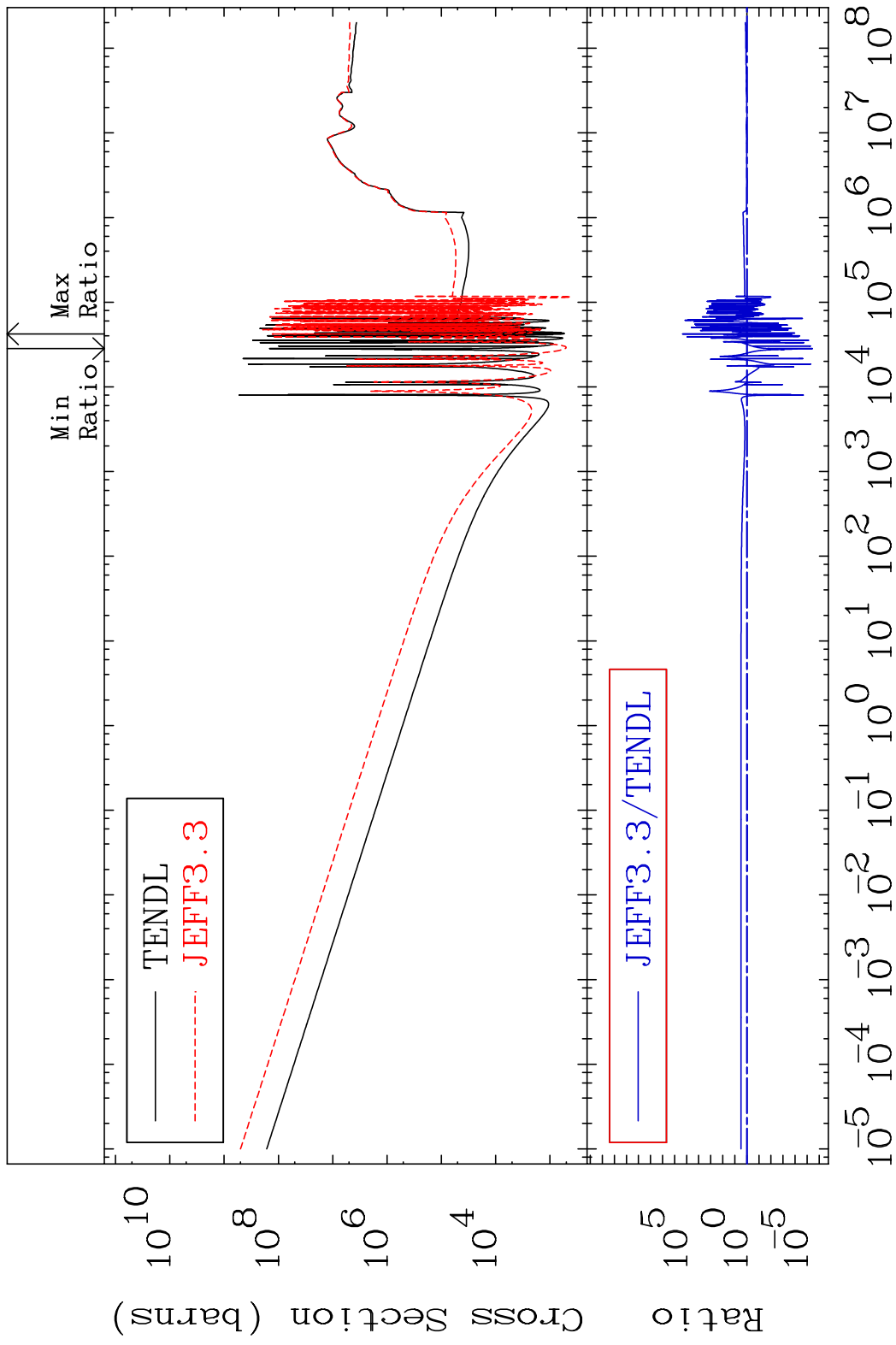
Kerma capture (mt102) 50-Sn-126  
Cross Section -100.0 To 9999. %



62

Incident Energy (eV) 50-Sn-126

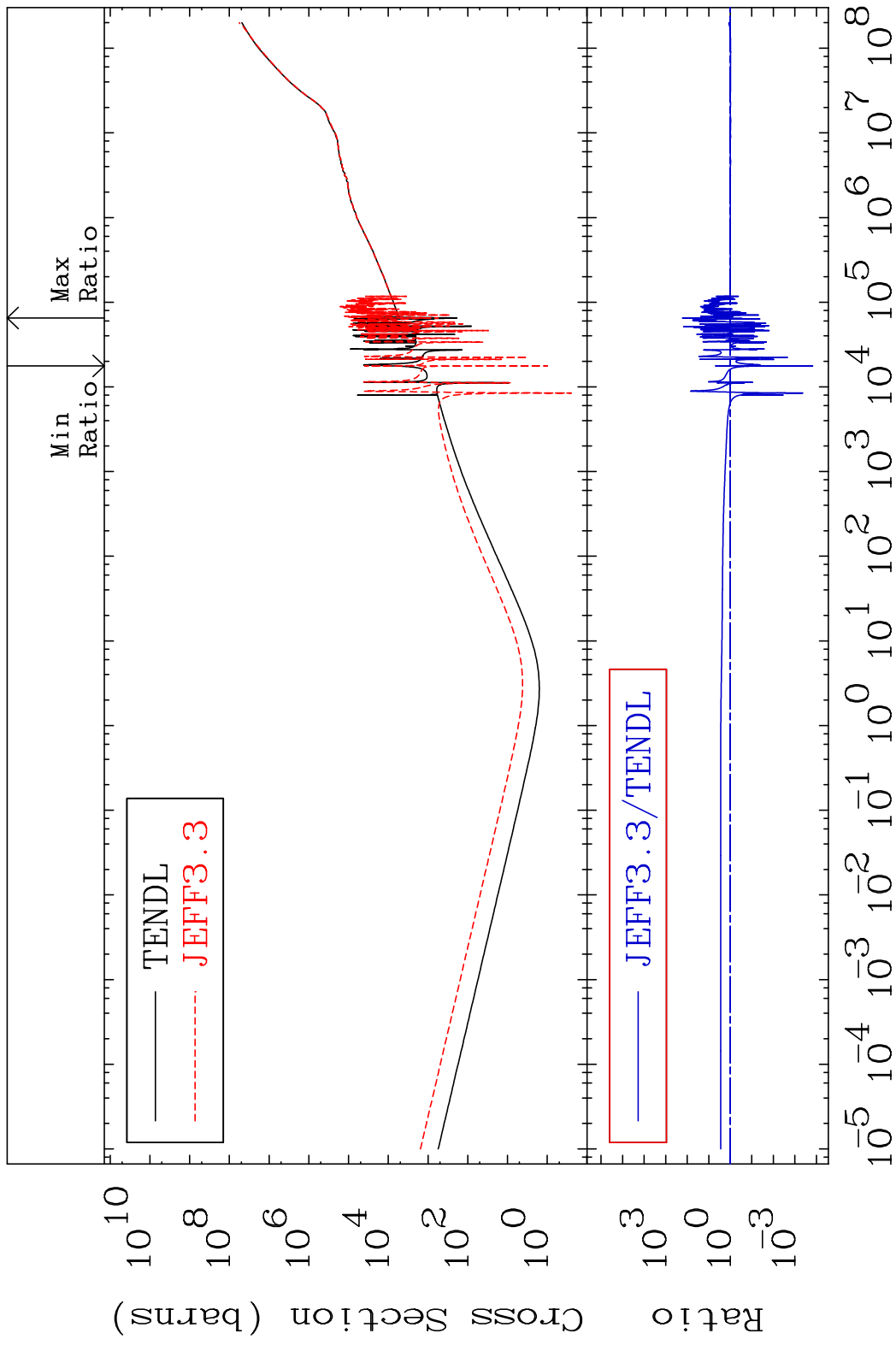
MAT 5067 Total photon (eV-barns) 50-Sn-126  
 Cross Section -100.0 To 9999. %



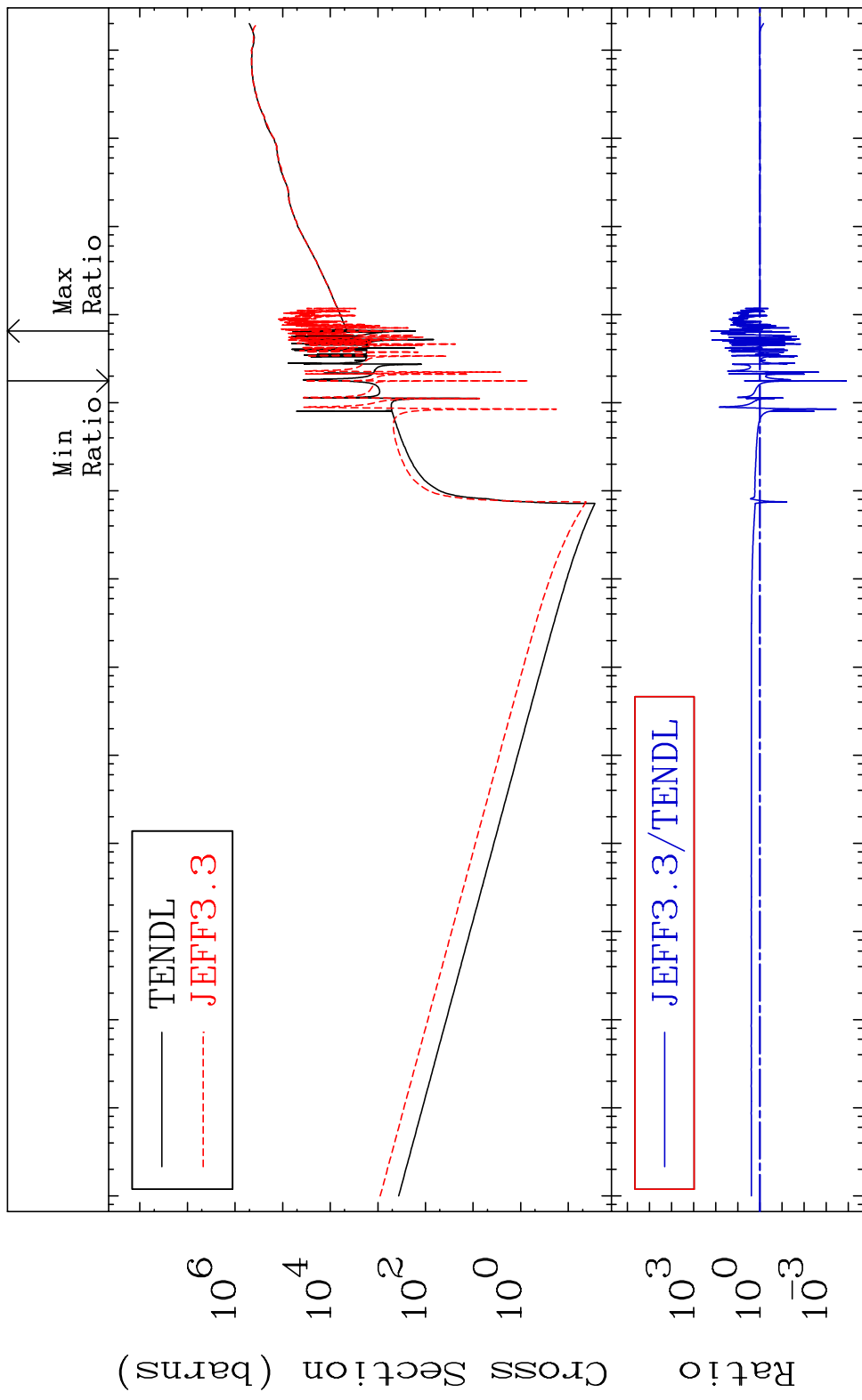
63 Incident Energy (eV) 50-Sn-126



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. %



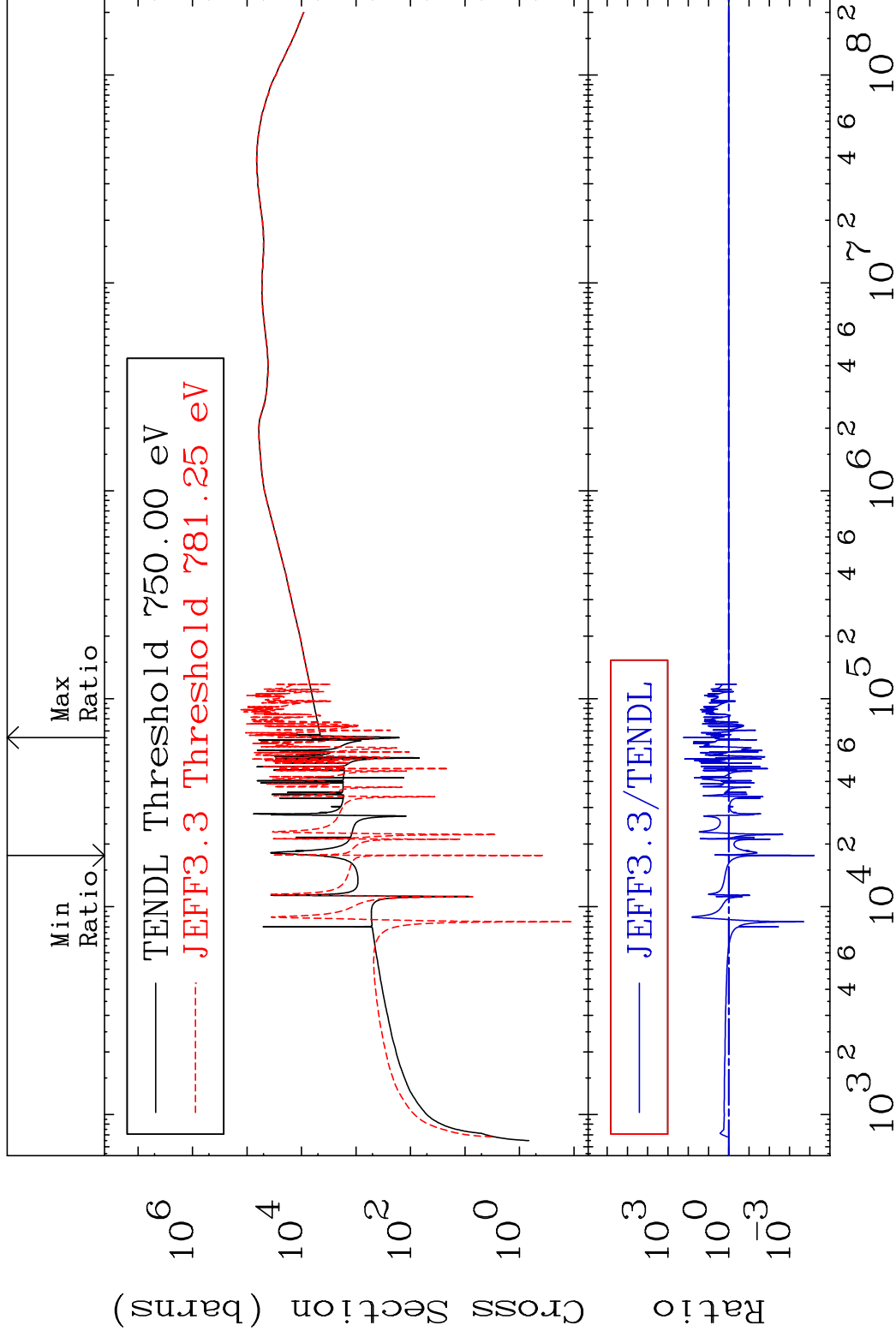
65      Incident Energy (eV)      50-Sn-126

MAT 5067

Dpa elastic (mt2)

50-Sn-126

Cross Section -99.99 To 9999. %

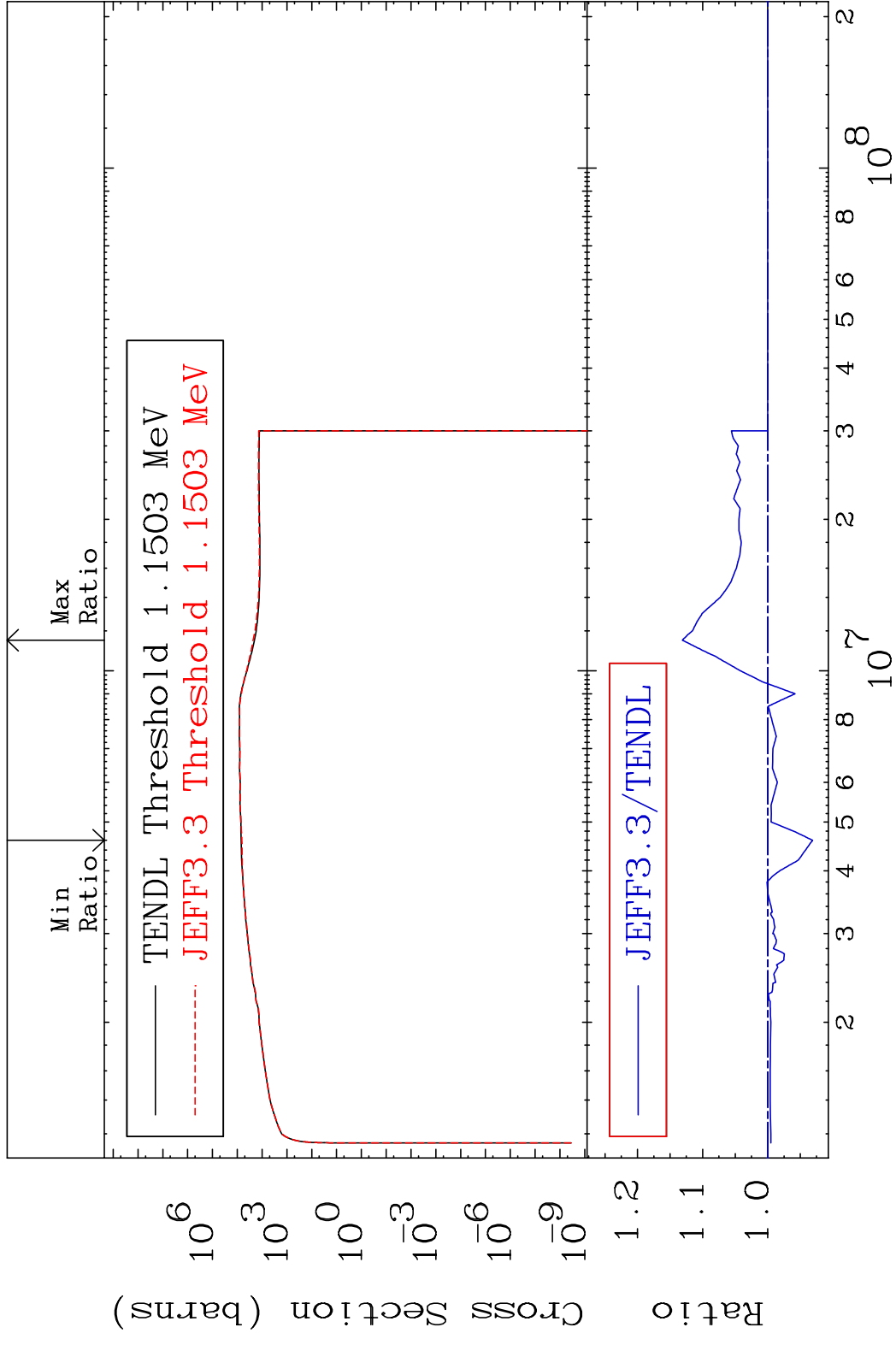


66

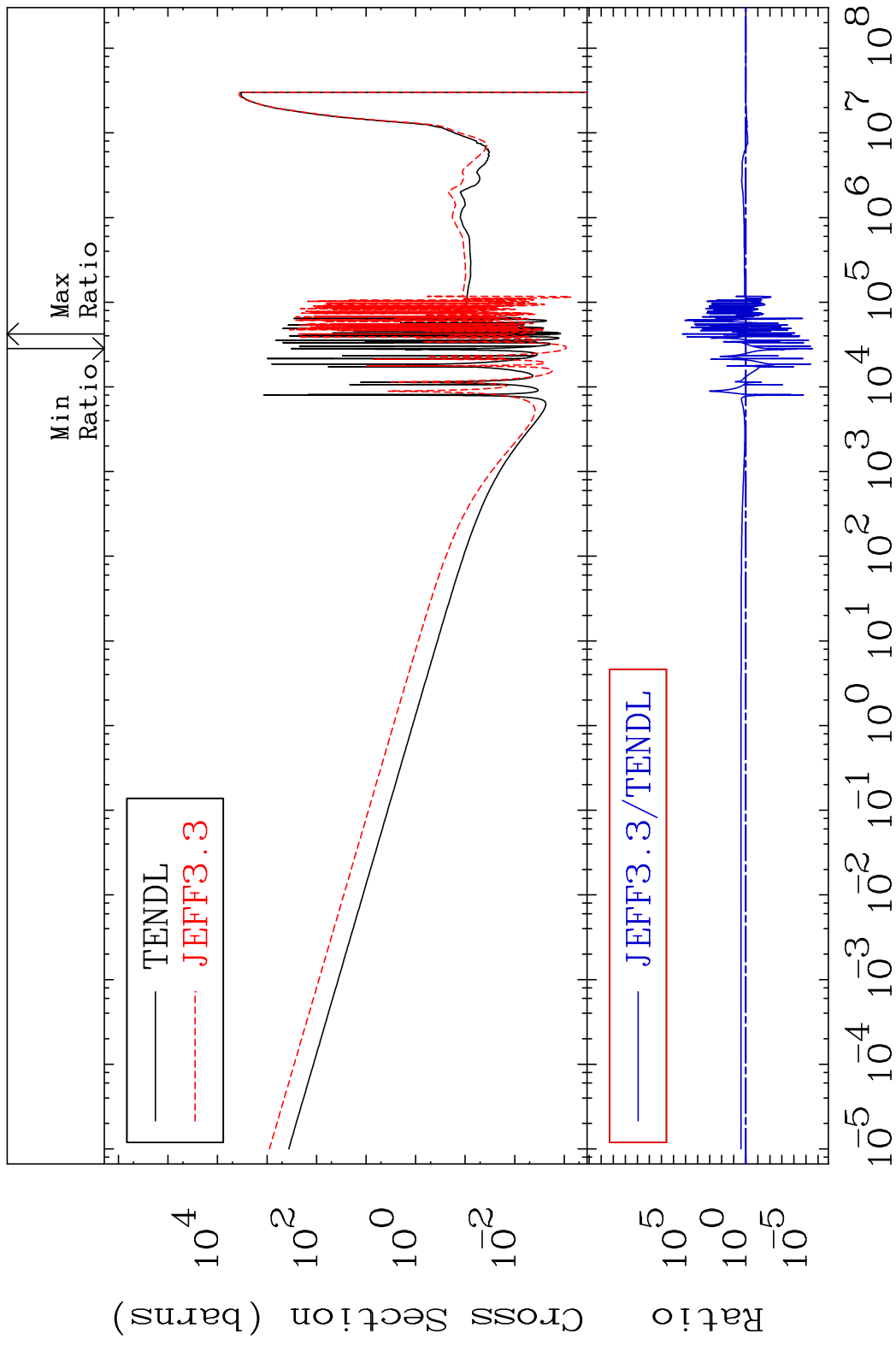
Incident Energy (eV)

50-Sn-126

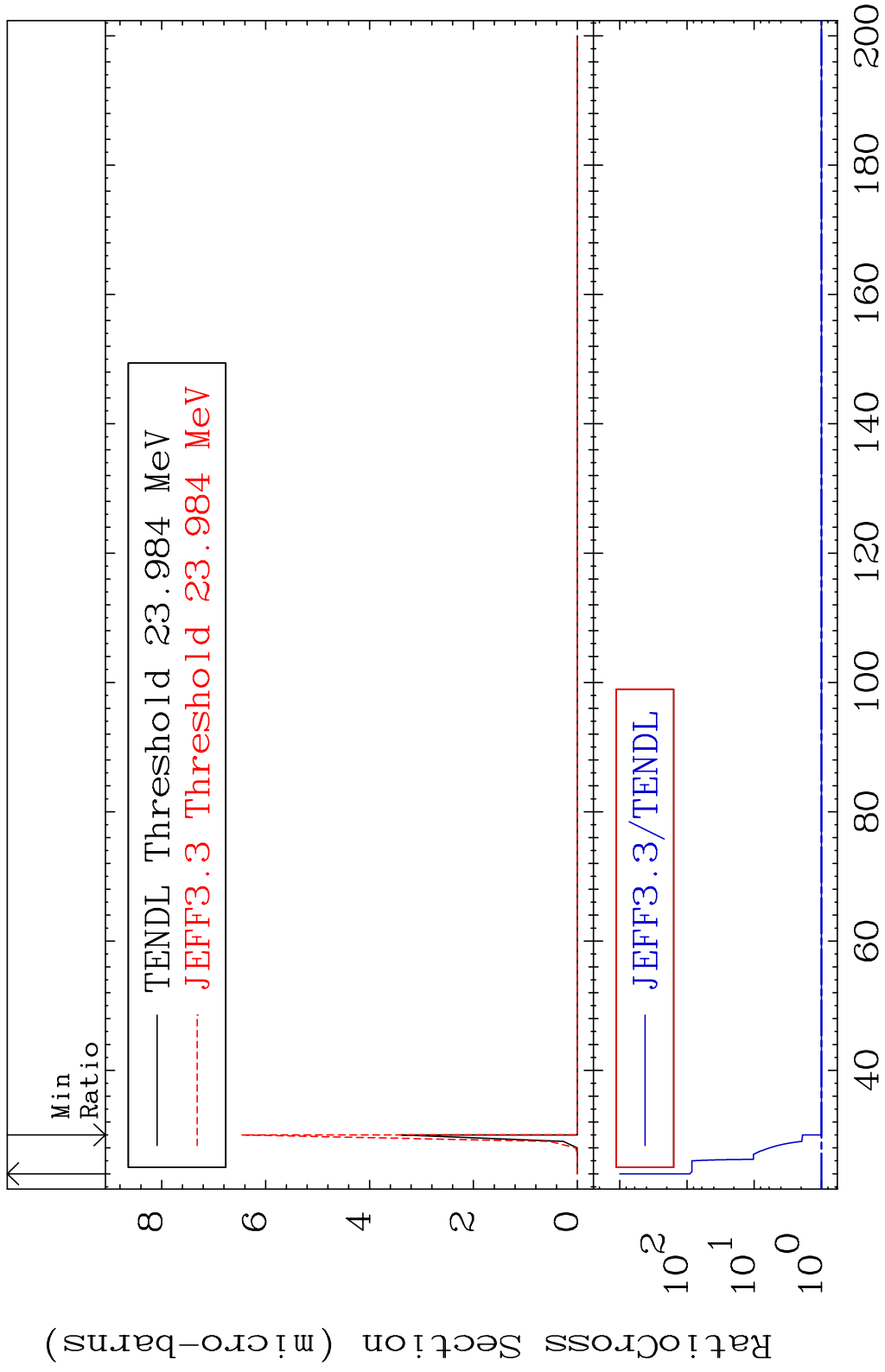
Cross Section -6.882 To 13.12 %



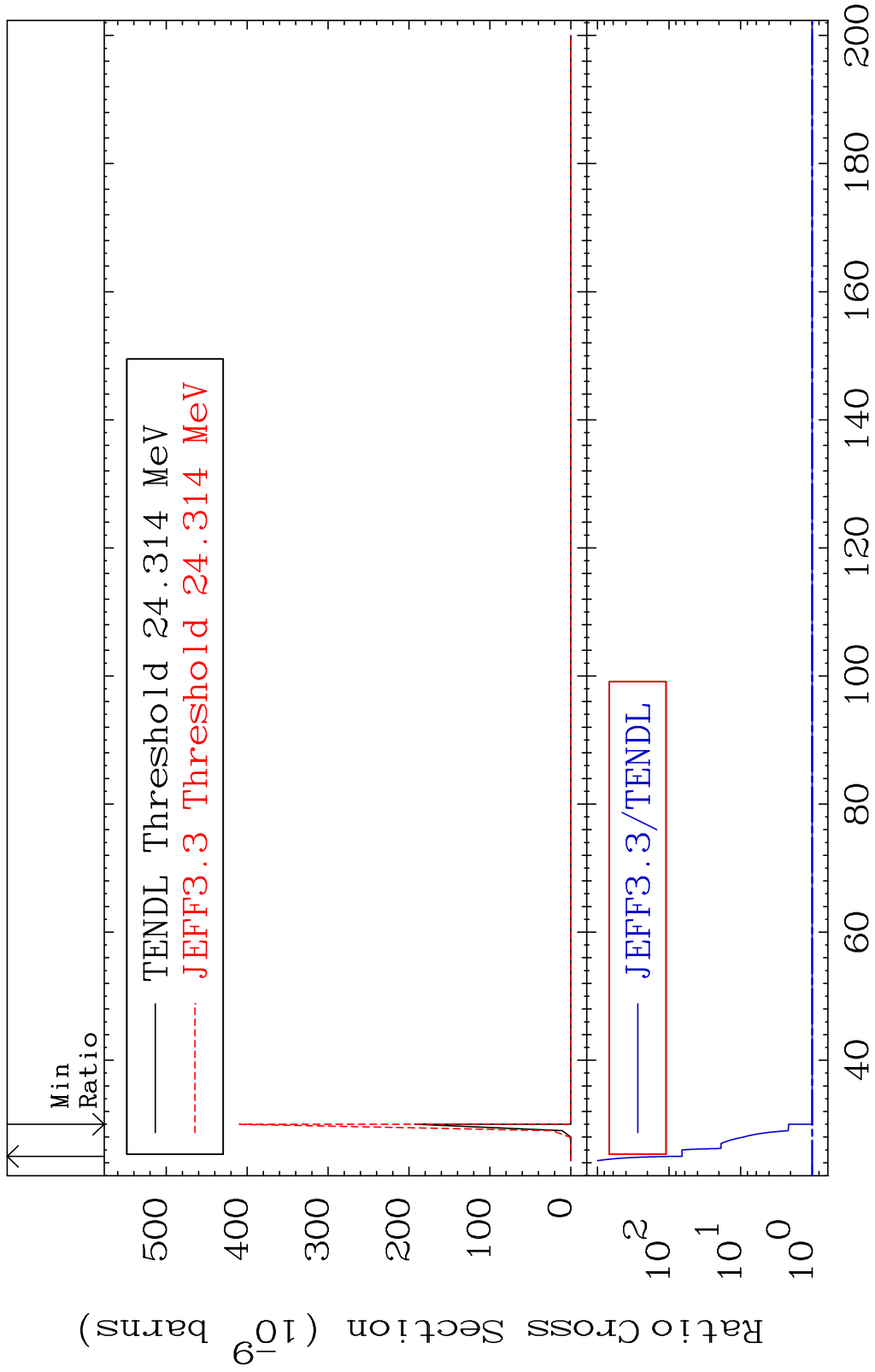
MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126  
 Cross Section -100.0 To 9999. %



MAT 5067 (n,2n) d:49-In-123g 50-Sn-126  
 Radionuclide Production Cross Section 8982. %

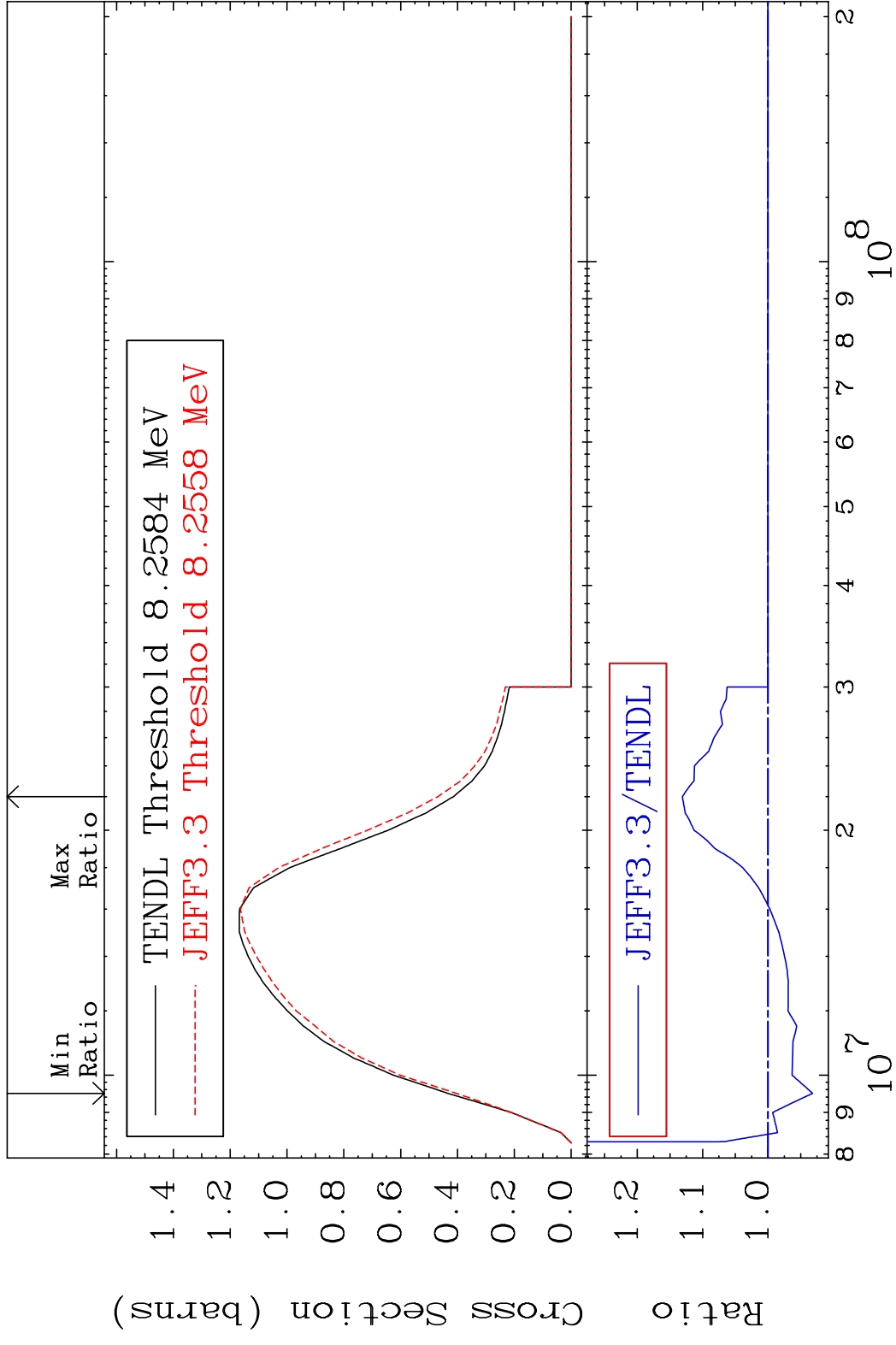


MAT 5067 (n,2n) d:49-In-123m1 50-Sn-126  
 Radionuclide Production Cross Section 6481. %



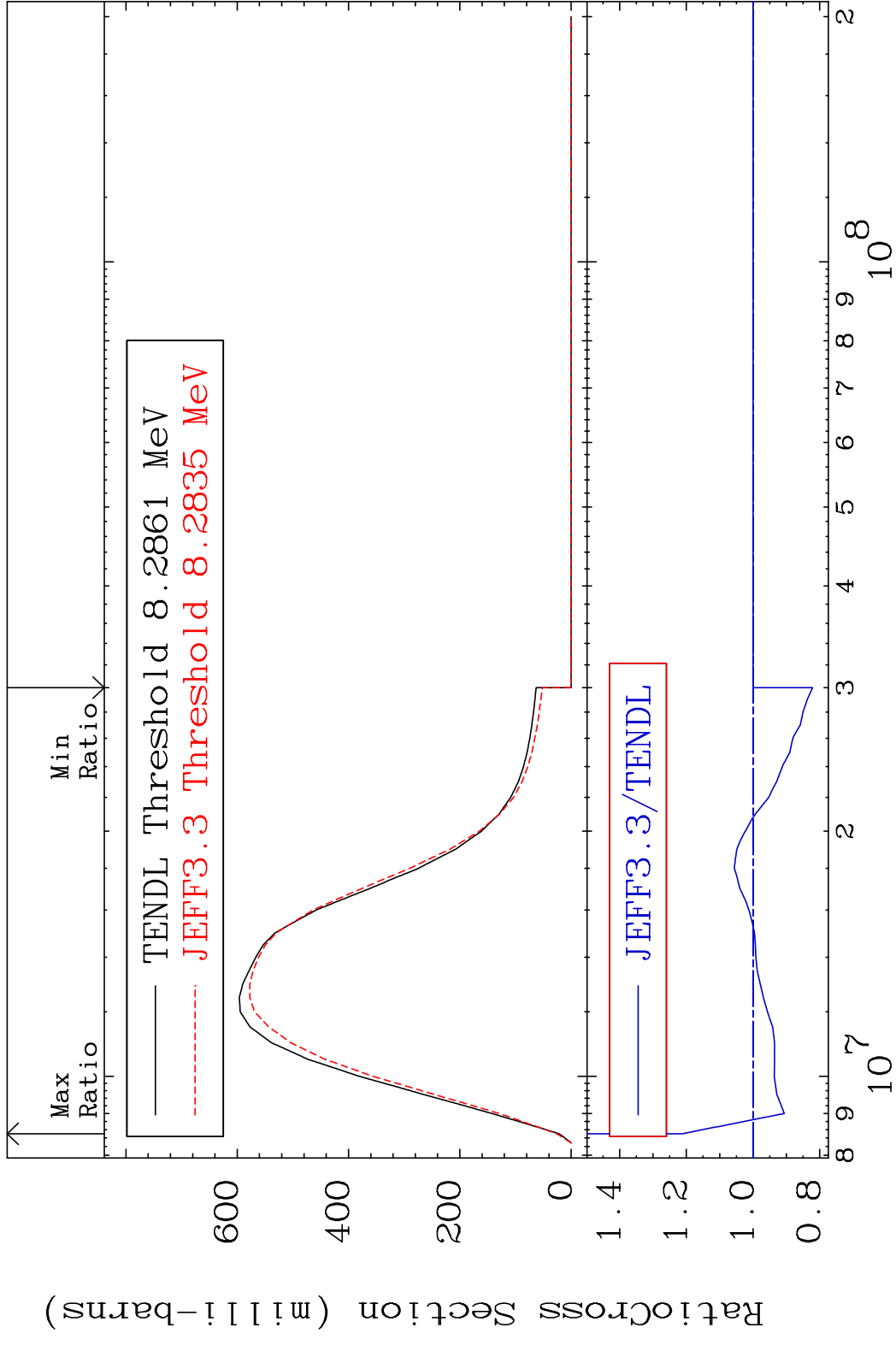
70 Incident Energy (MeV) 50-Sn-126

MAT 5067 (n,2n):50-Sn-125g 50-Sn-126  
 Radionuclide Production Cross Section 13.10 %

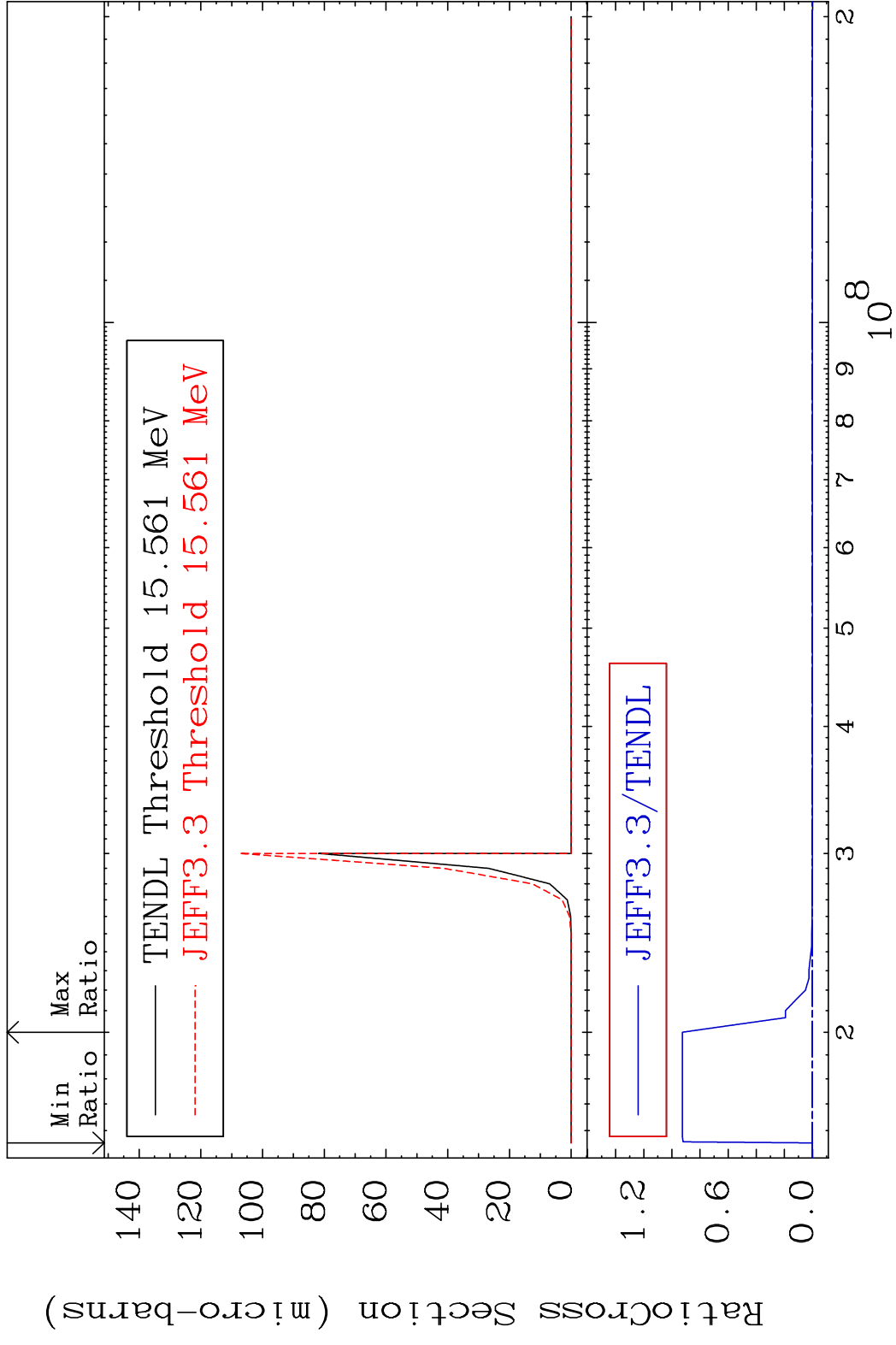




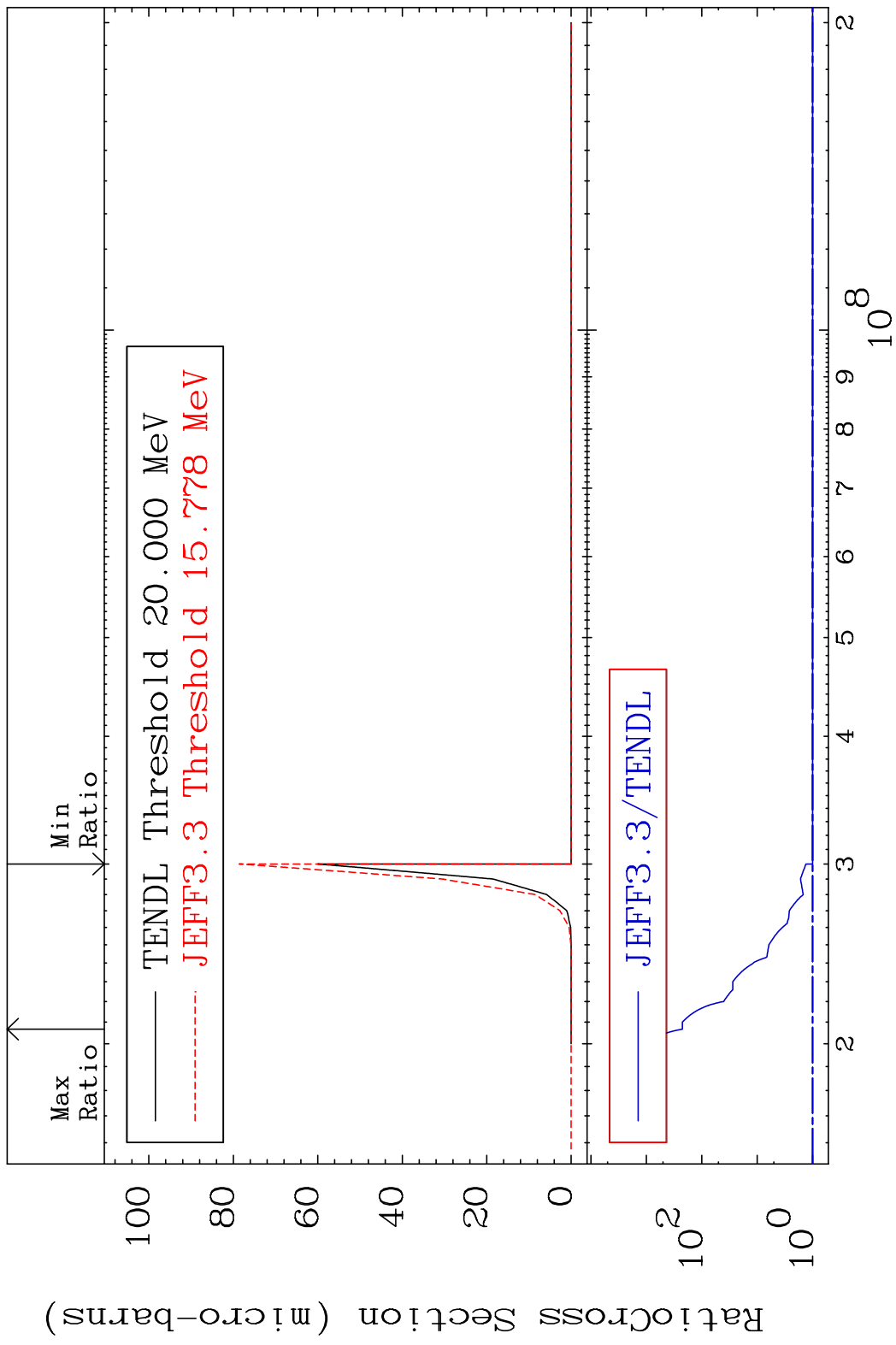
MAT 5067 (n,2n):50-Sn-125m1 50-Sn-126  
 Radionuclide Production Cross Section Ratio 21.20 %

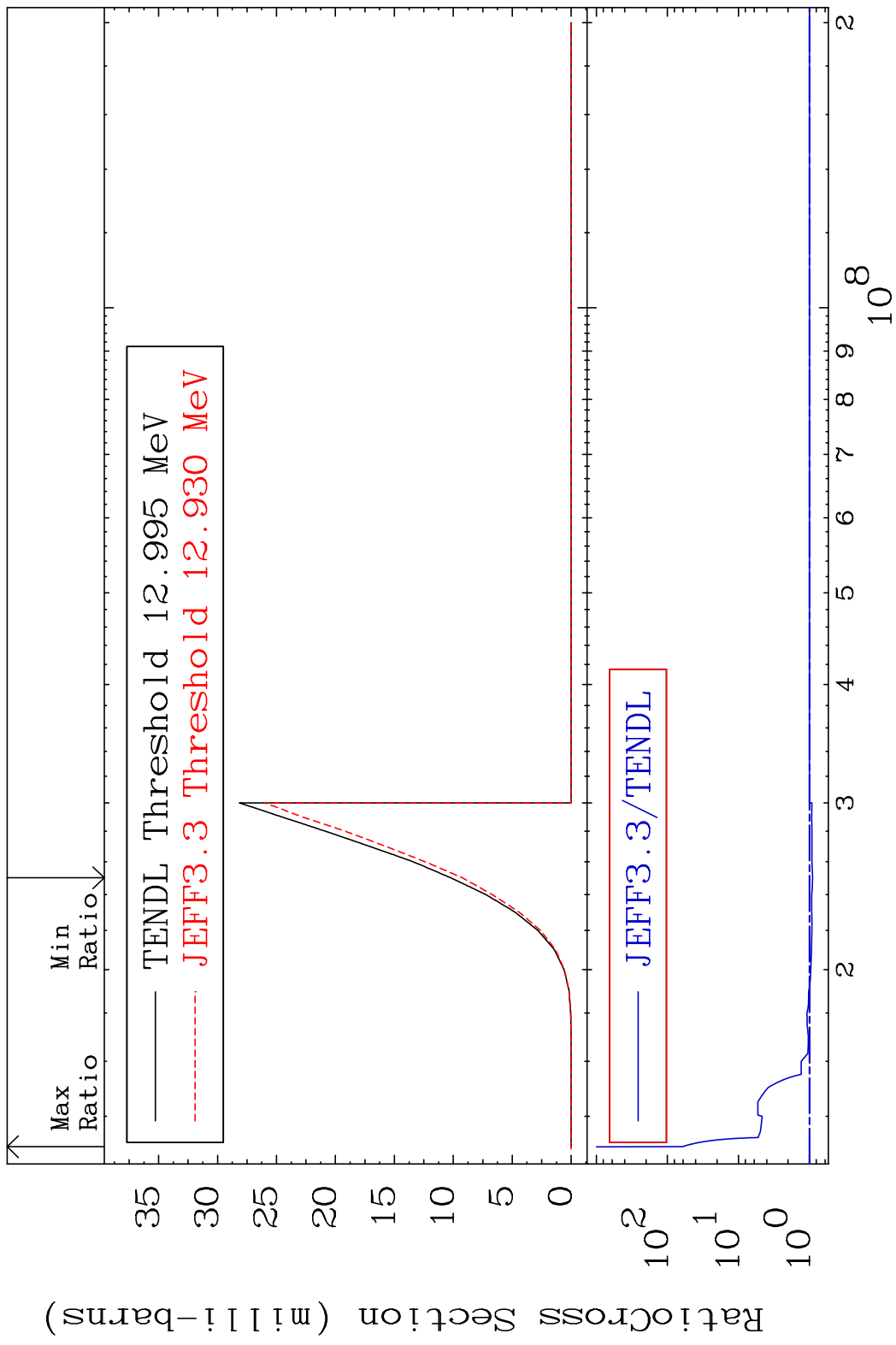


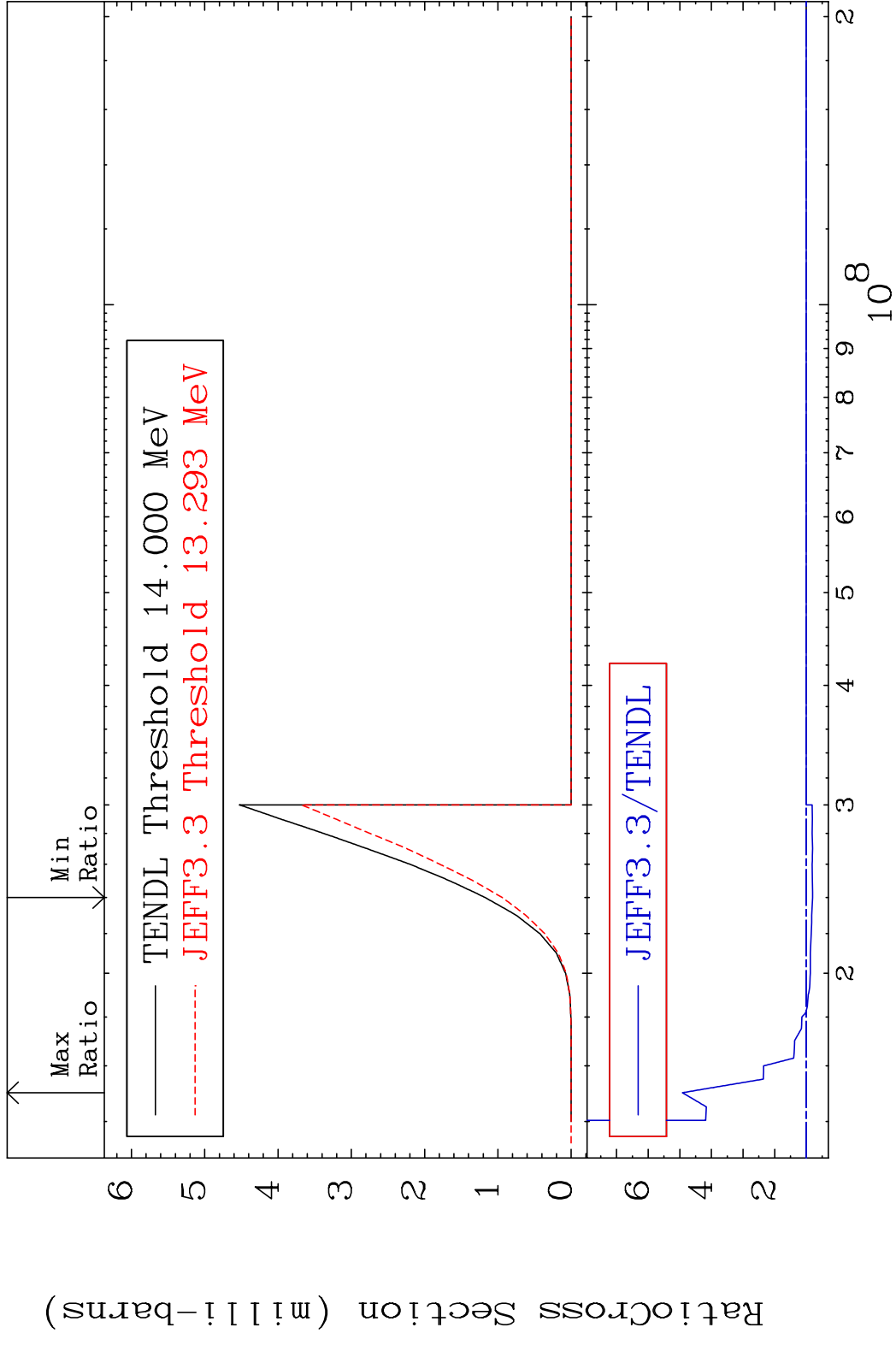
MAT 5067 (n,2n)  $\alpha$ :48-Cd-121g 50-Sn-126  
 Radionuclide Production Cross Section Ratio 9999. %

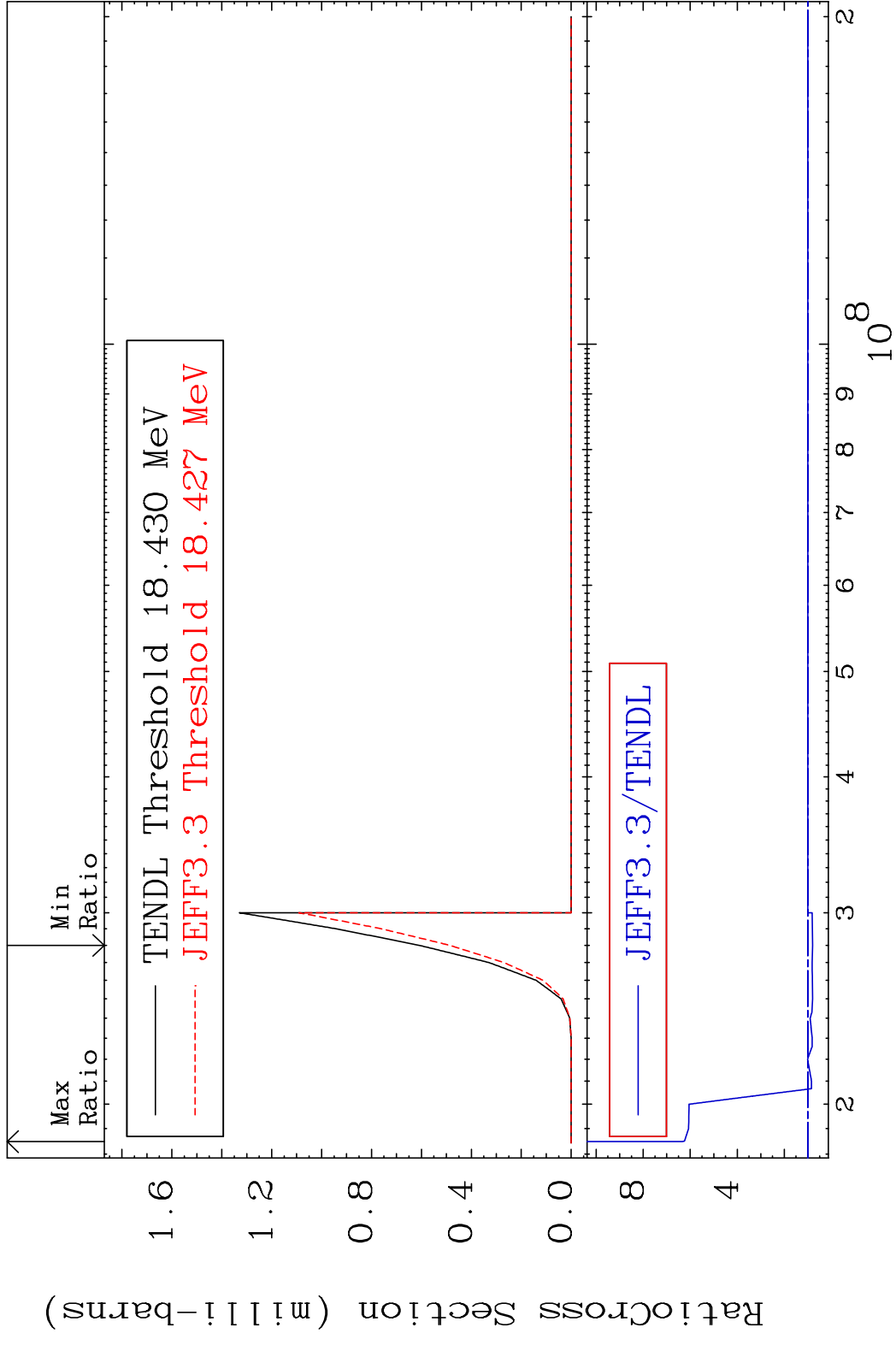


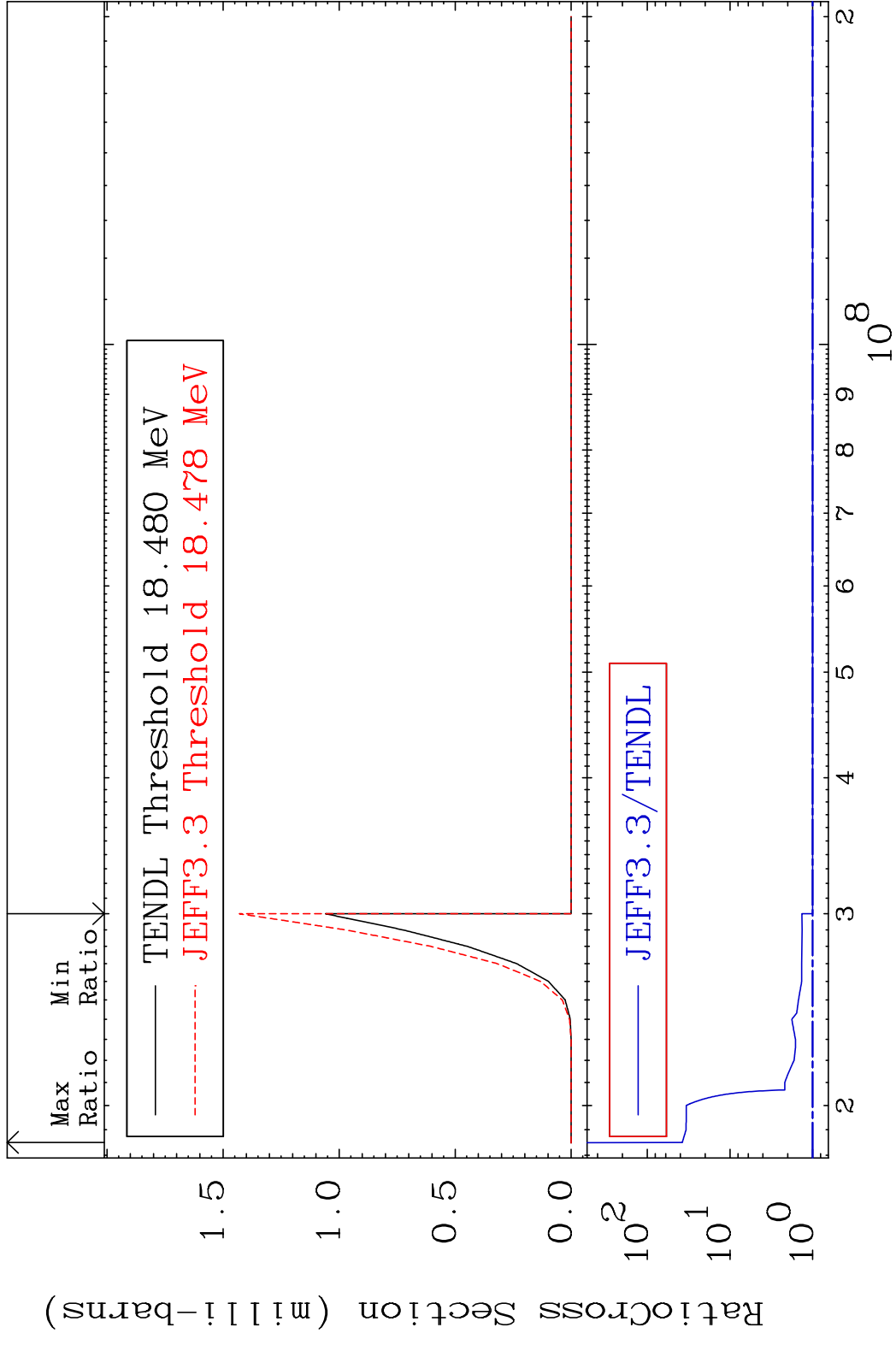
MAT 5067 (n,2n)  $\alpha$ :48-Cd-121m2 50-Sn-126  
 Radionuclide Production Cross Section, %

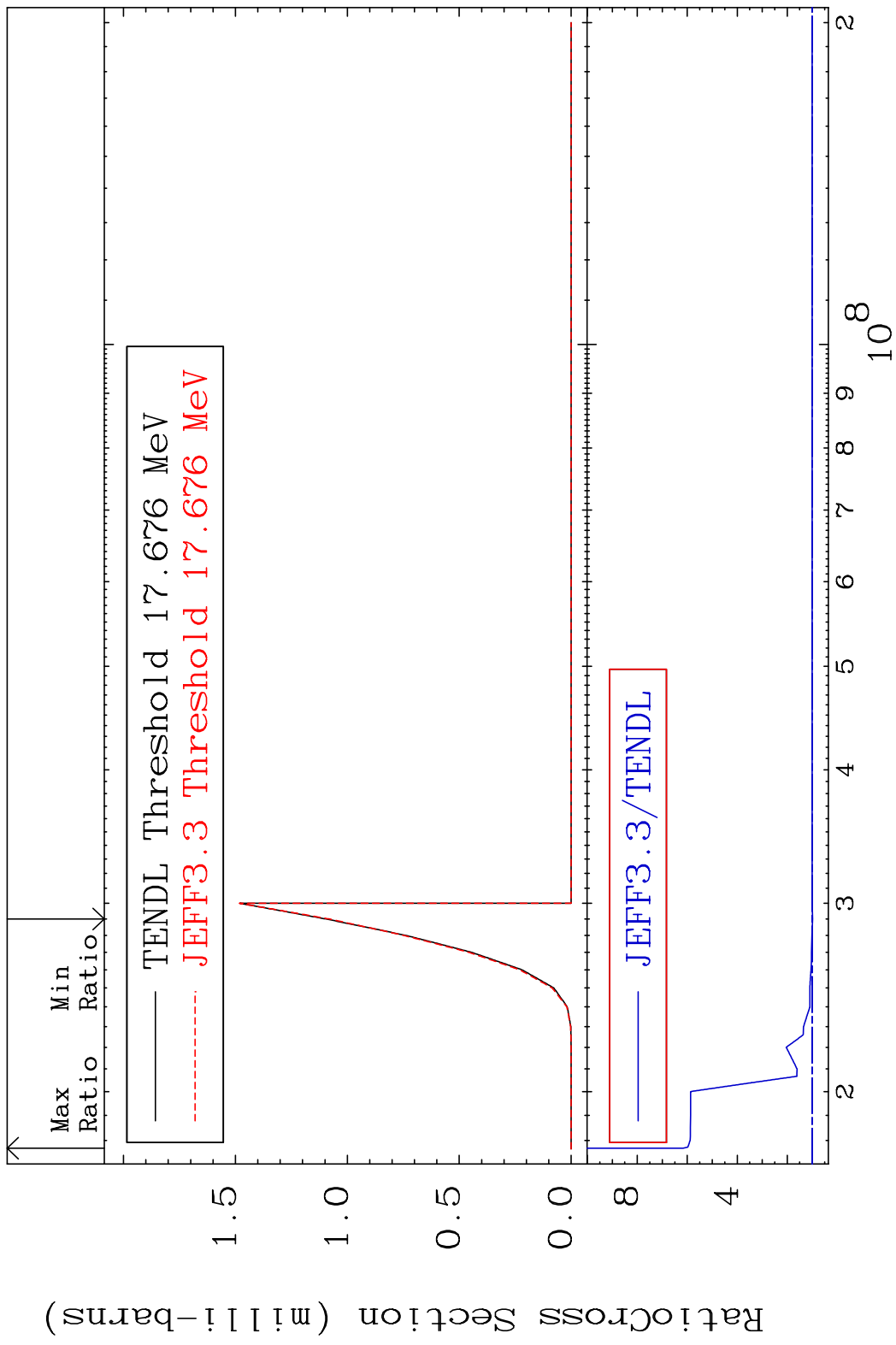




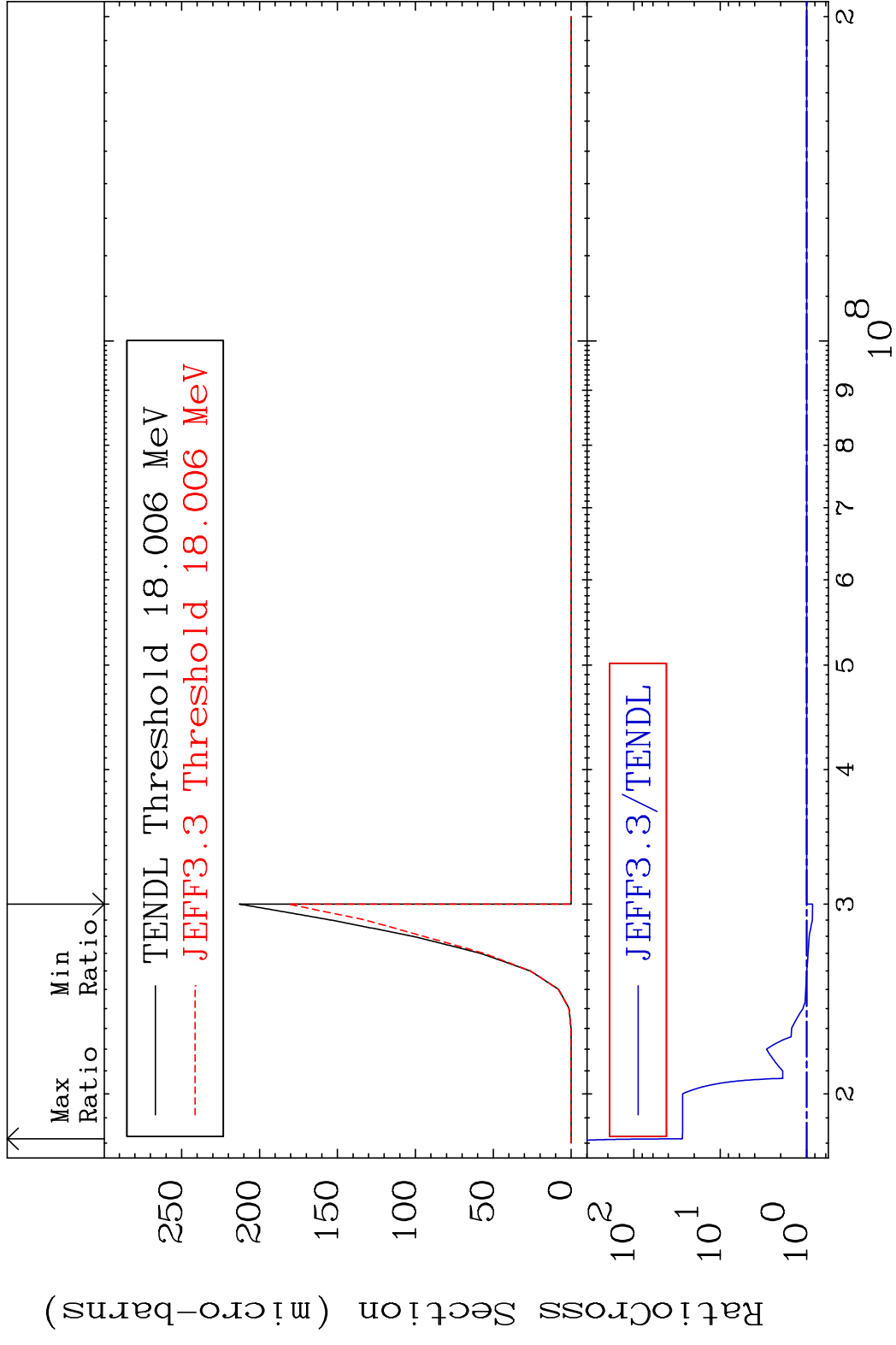


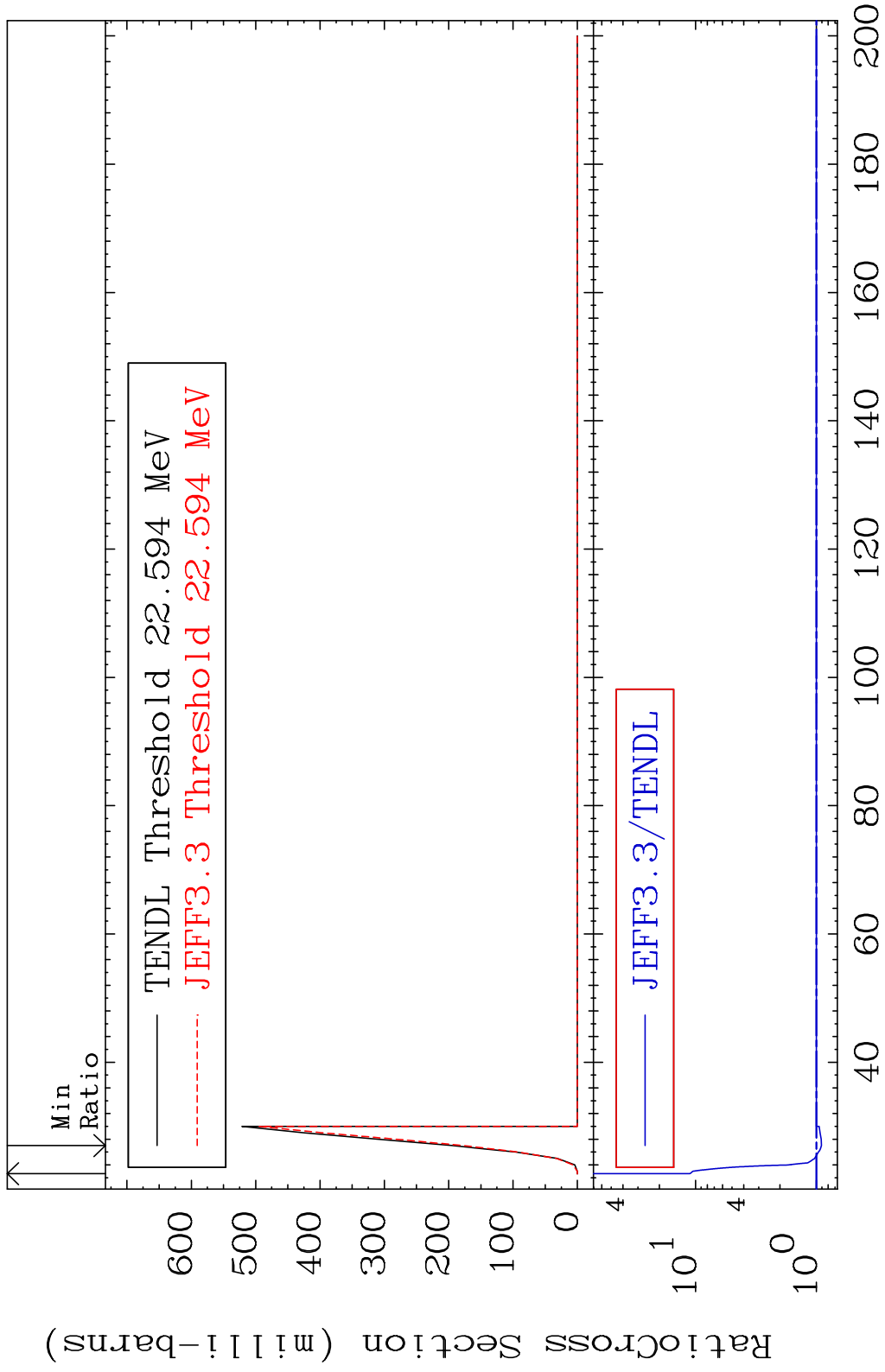




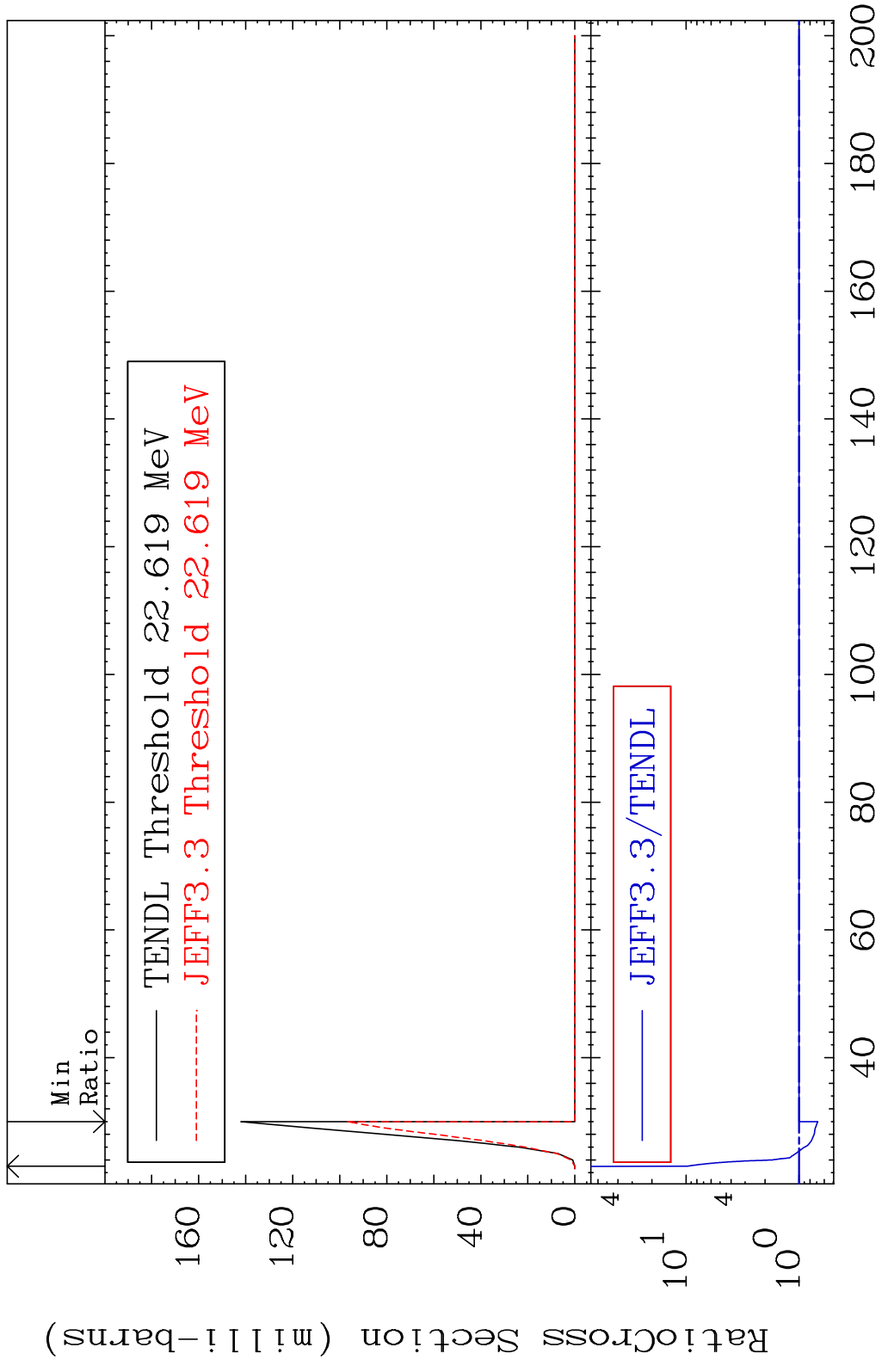


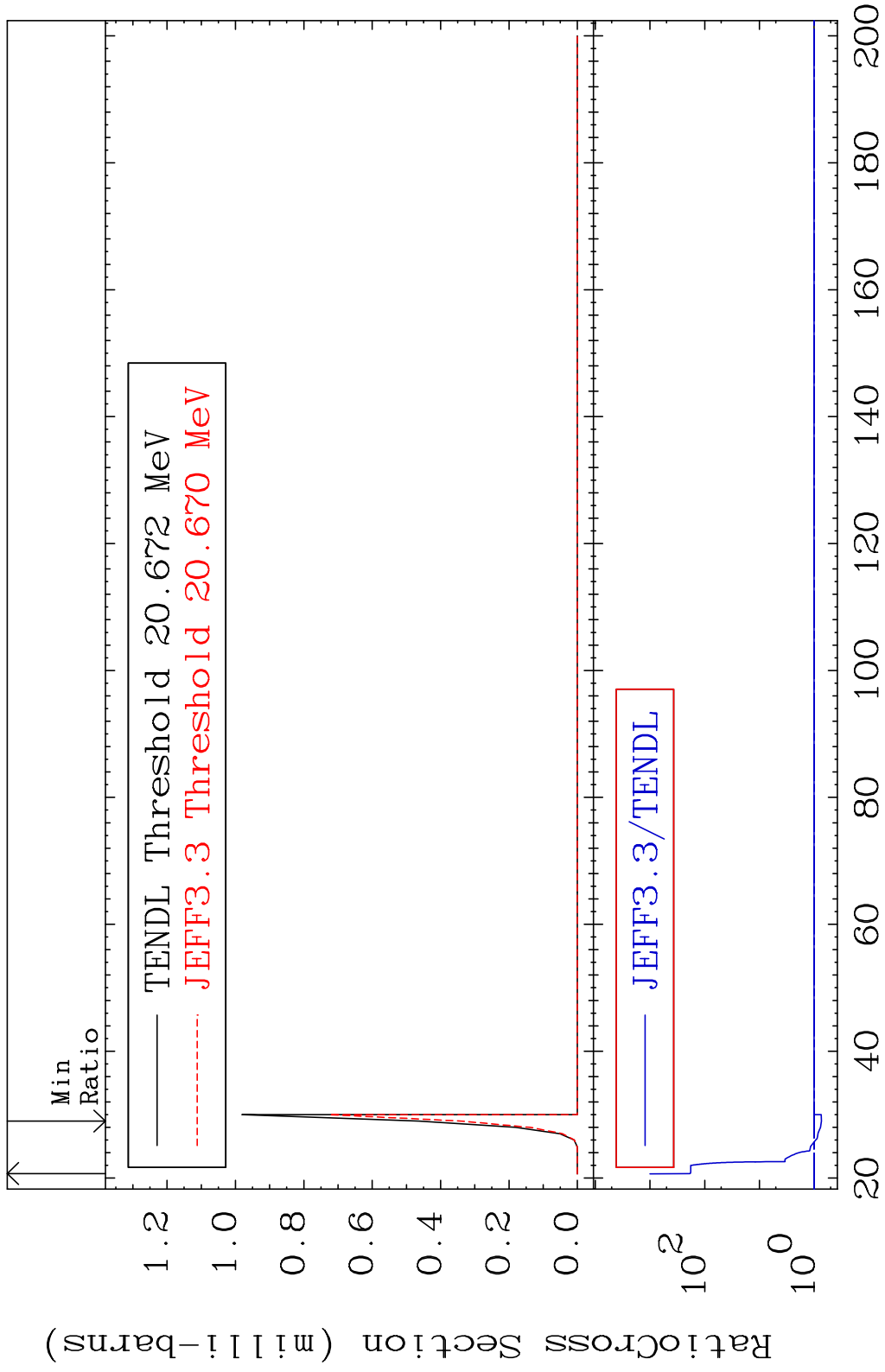


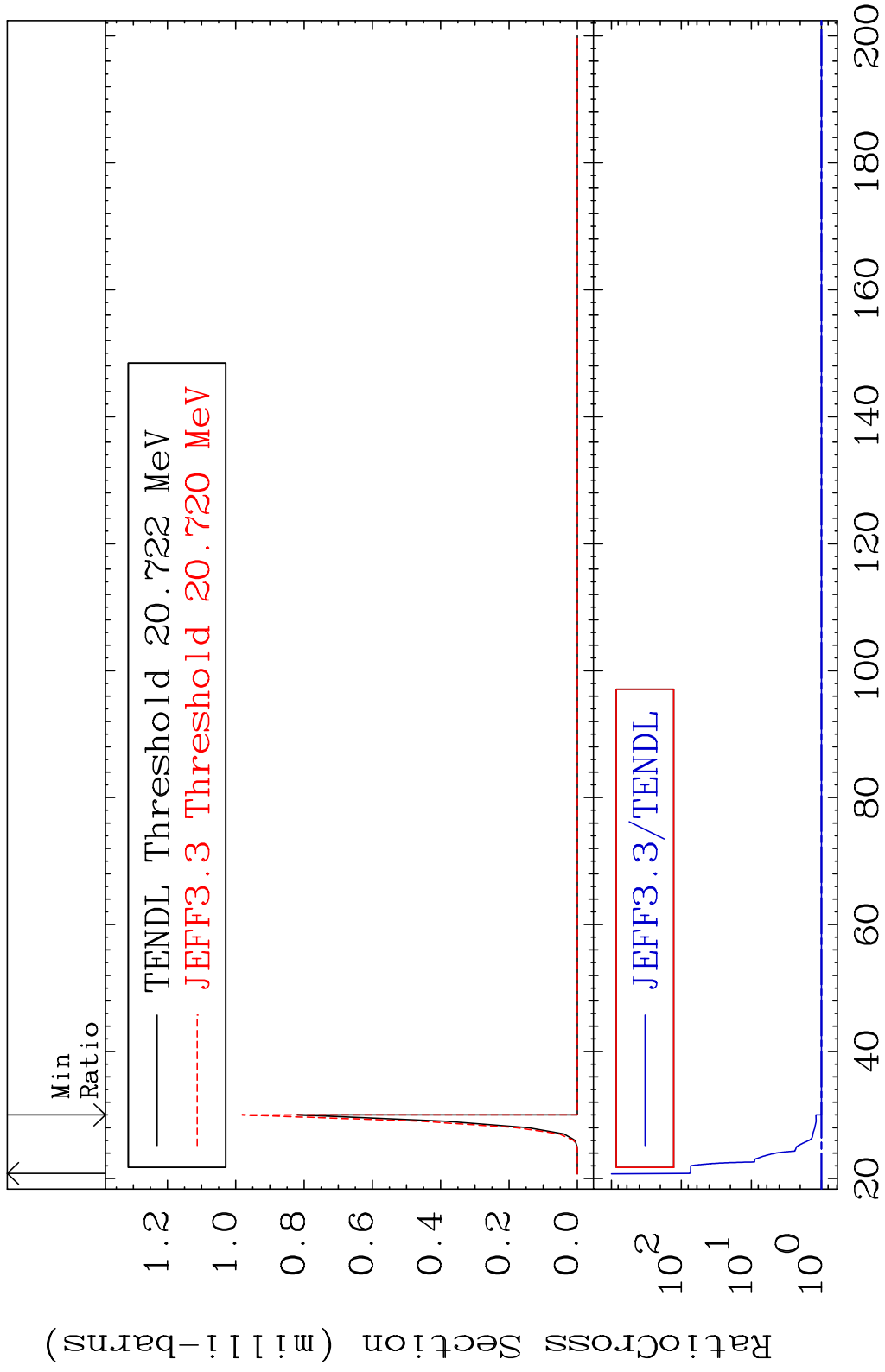


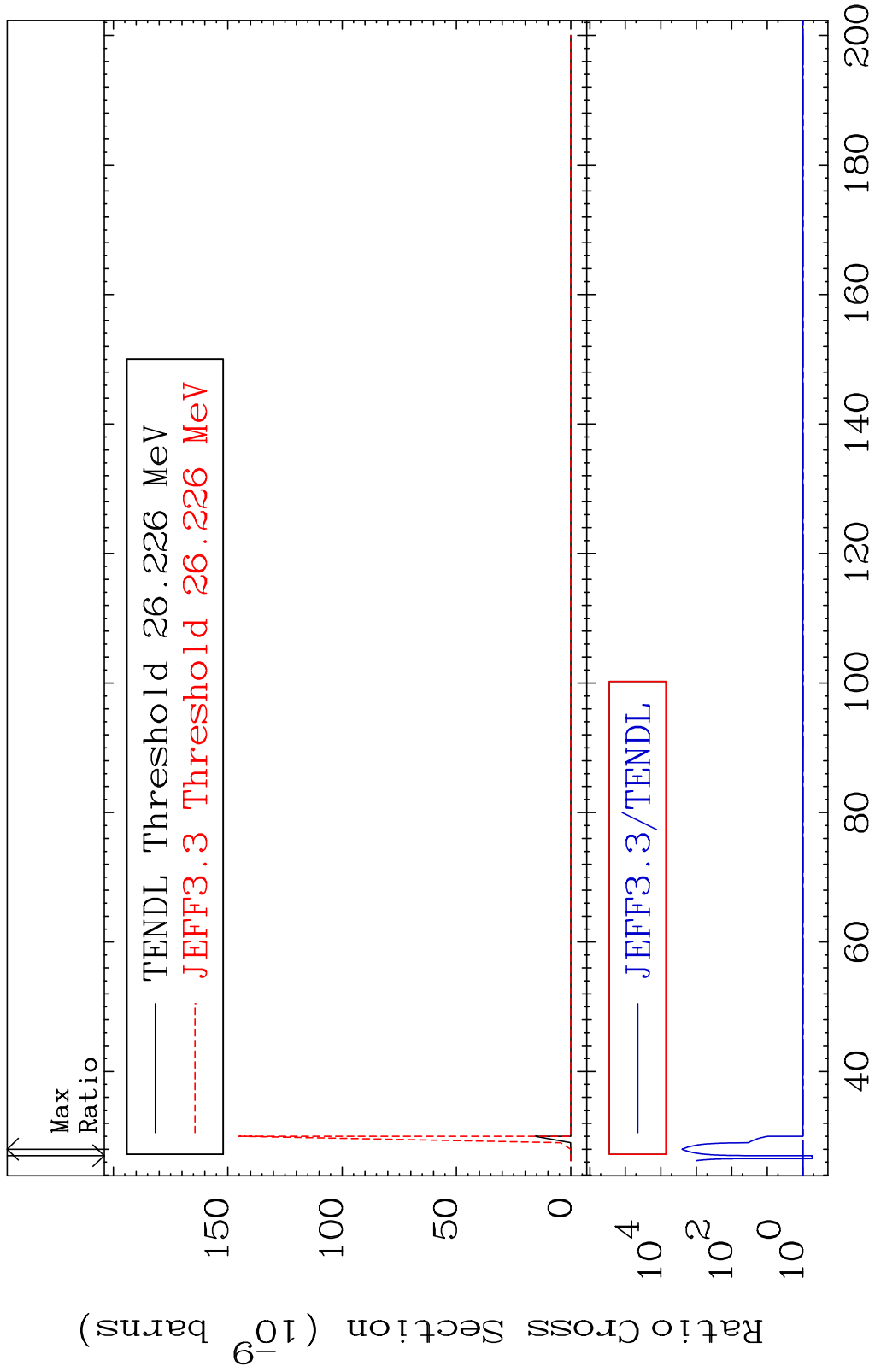


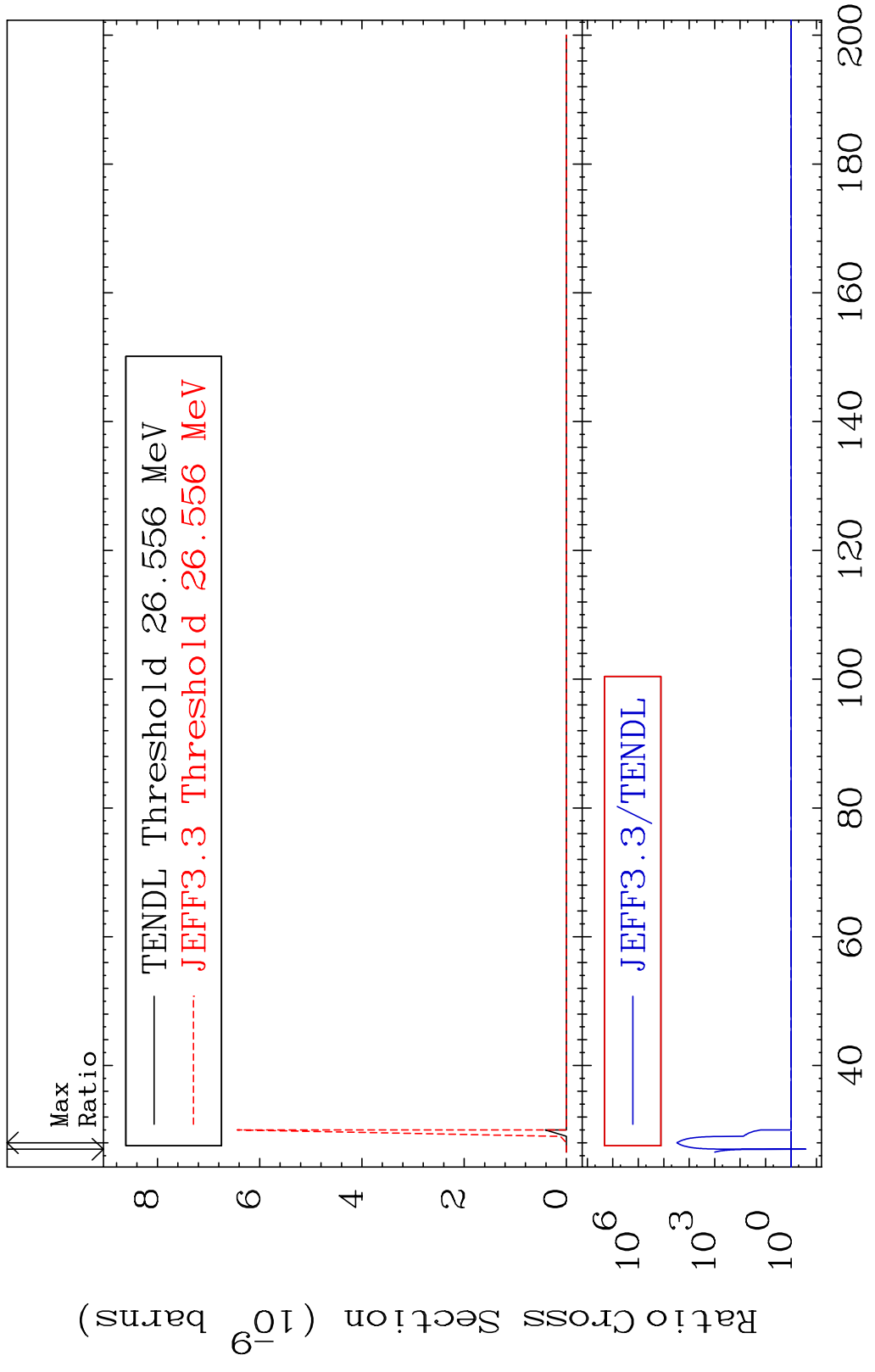
MAT 5067 (n, 4n):50-Sn-123m1 50-Sn-126  
 Radionuclide Production Cross Section 885.6 %



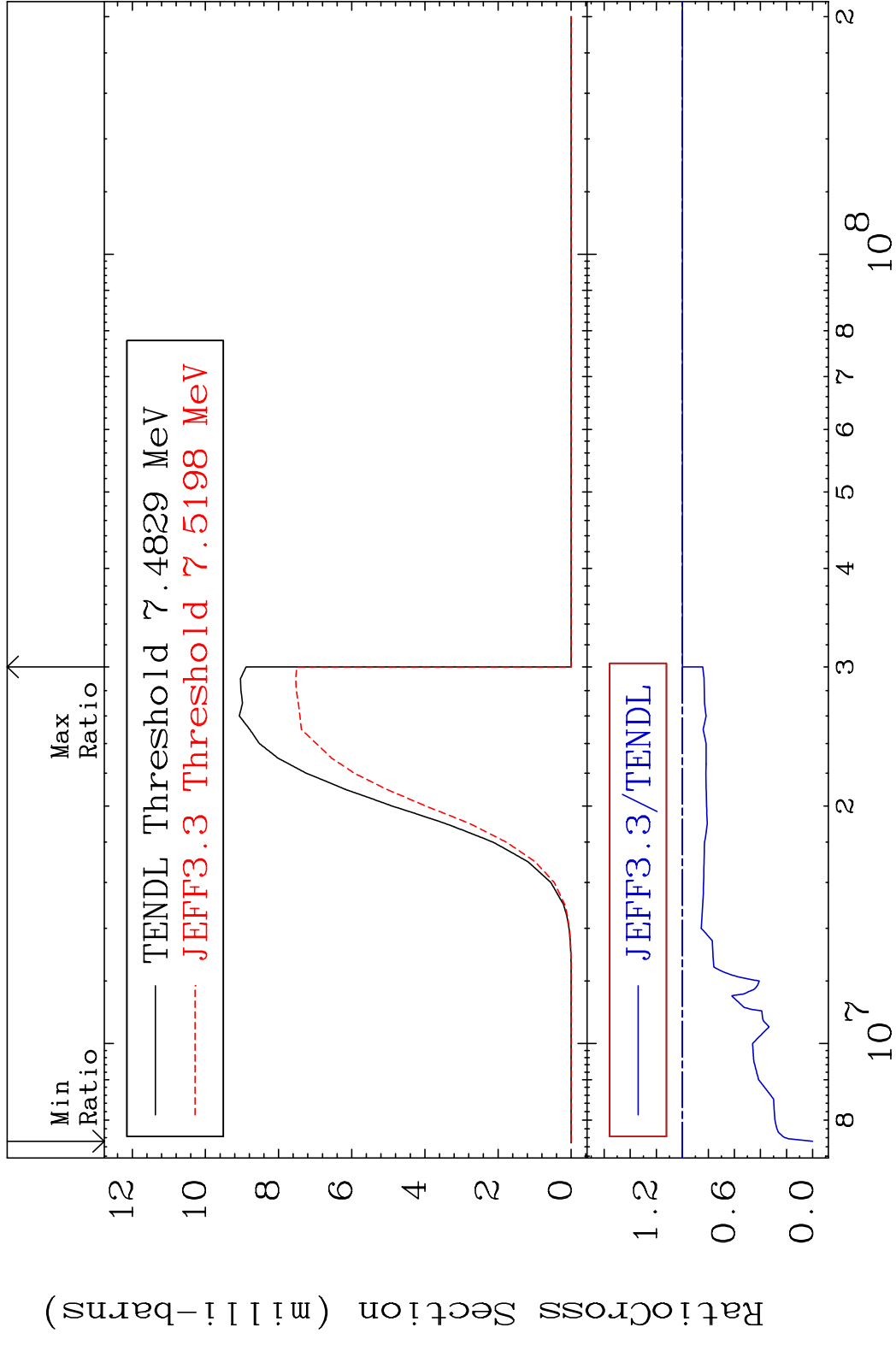






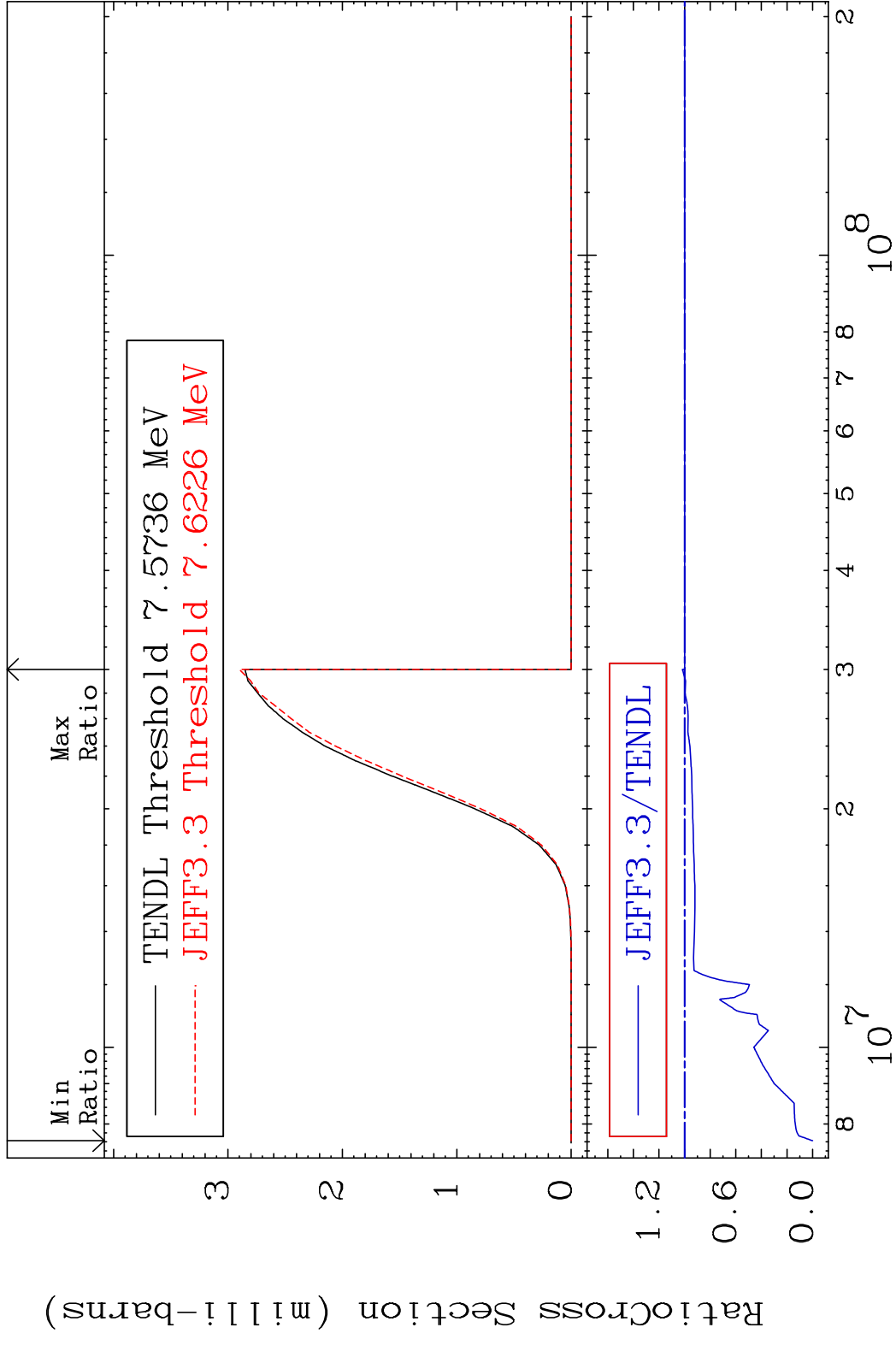


MAT 5067 (n,p):49-In-126 50-Sn-126  
 Radionuclide Production Cross Section 100.00 % 0.000 %

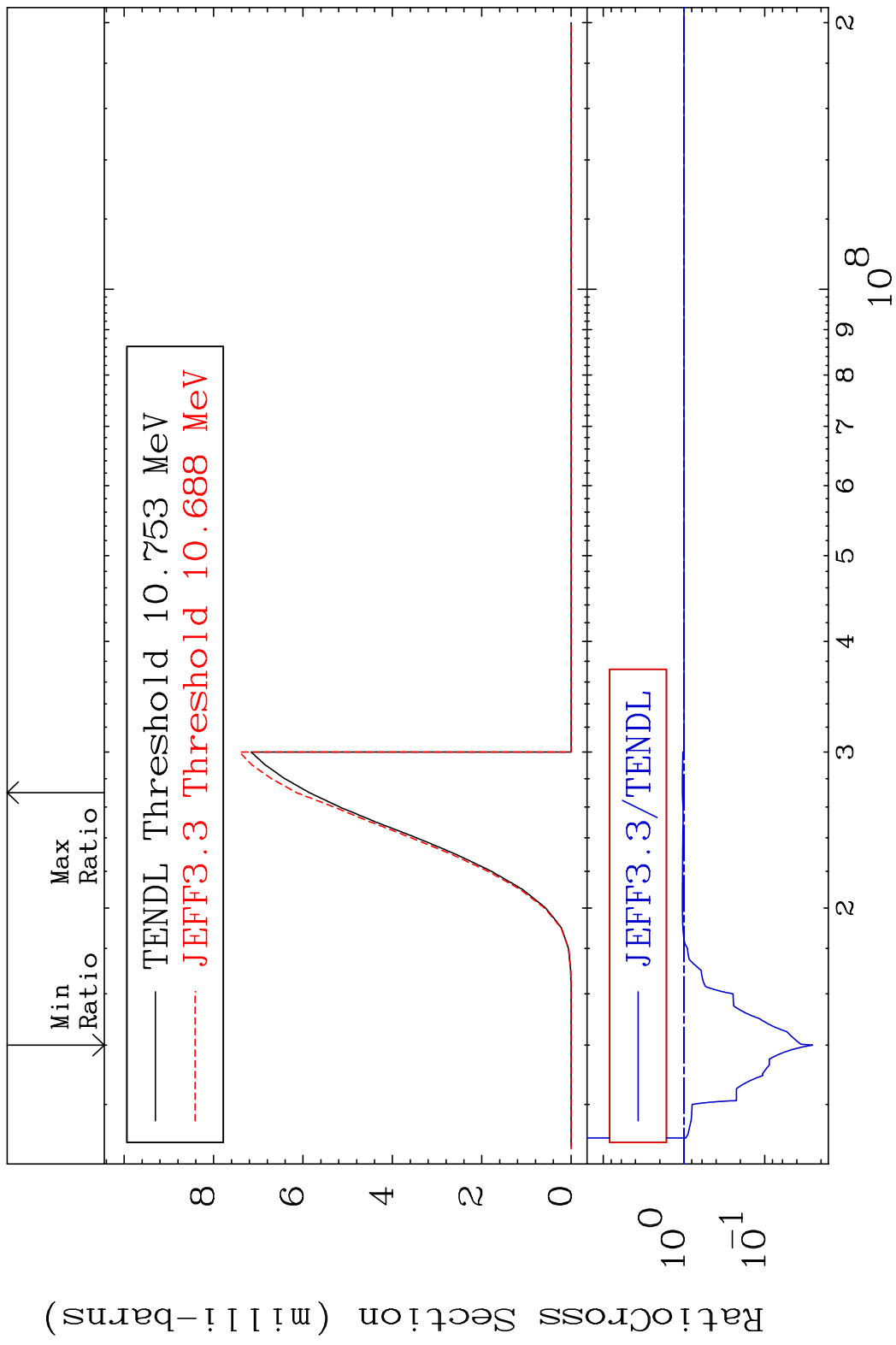




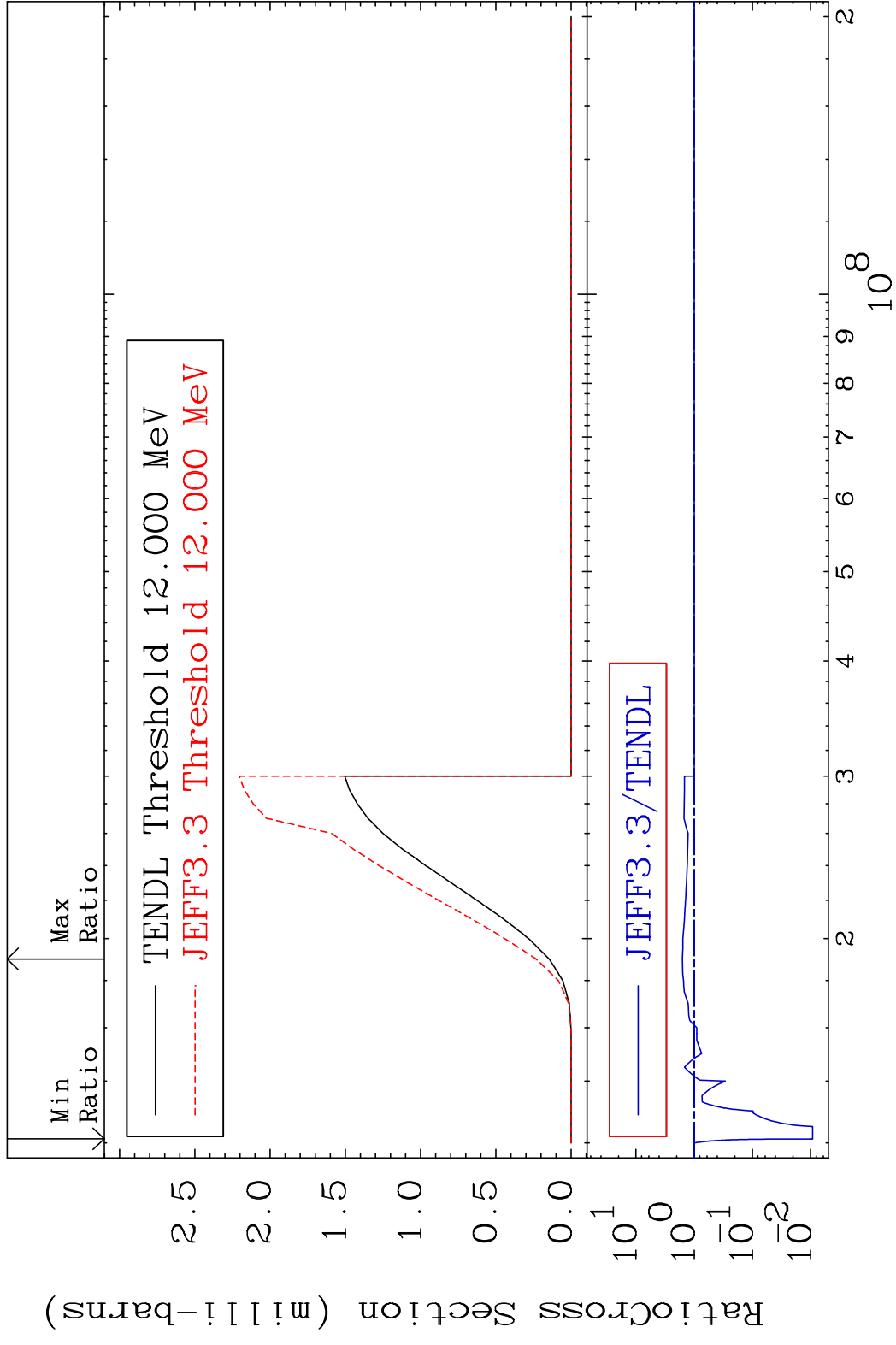
MAT 5067 (n, p): 49-In-126m1 50-Sn-126  
 Radionuclide Production Cross Section Ratio 1.726 %

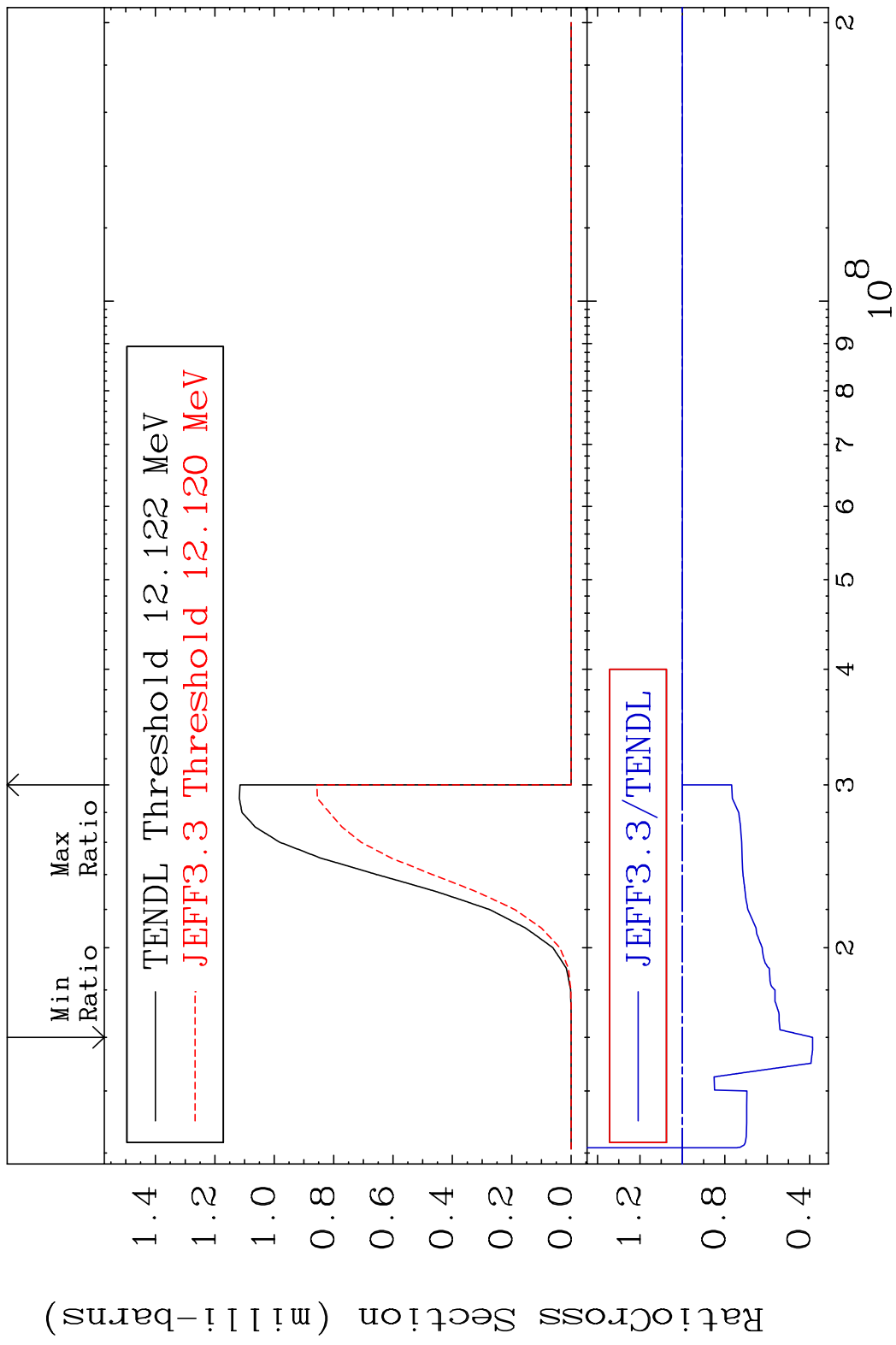


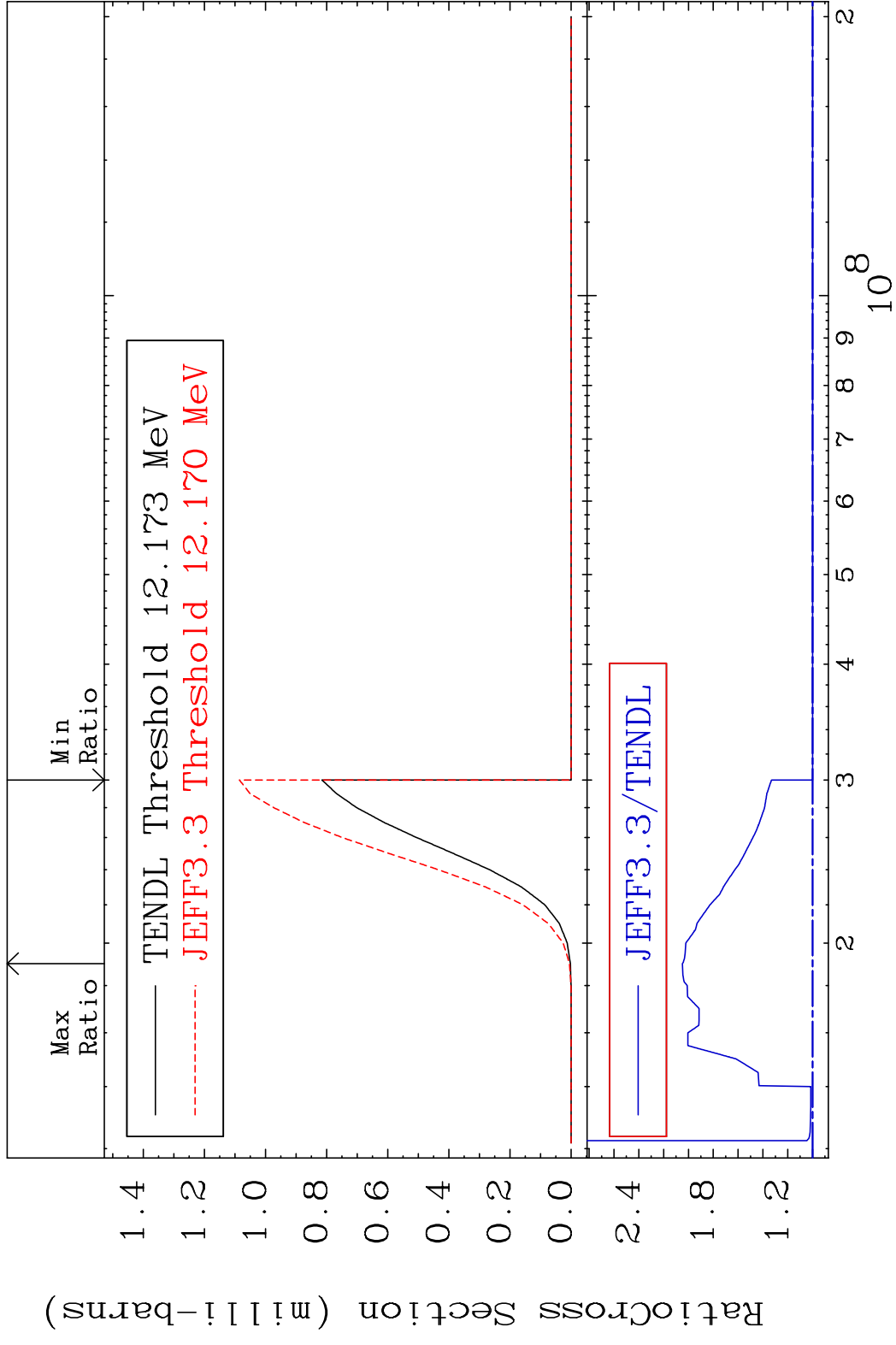
MAT 5067 (n,d):49-In-125g 50-Sn-126  
 Radionuclide Production Cross Section 4.889 %



MAT 5067 (n, d): 49-In-125m1 50-Sn-126  
 Radionuclide Production Cross Section 98.081 d10 59.48 %







MAT 5067 (n,α): 48-Cd-123g 50-Sn-126  
 Radionuclide Production Cross Section 9999. %

