

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

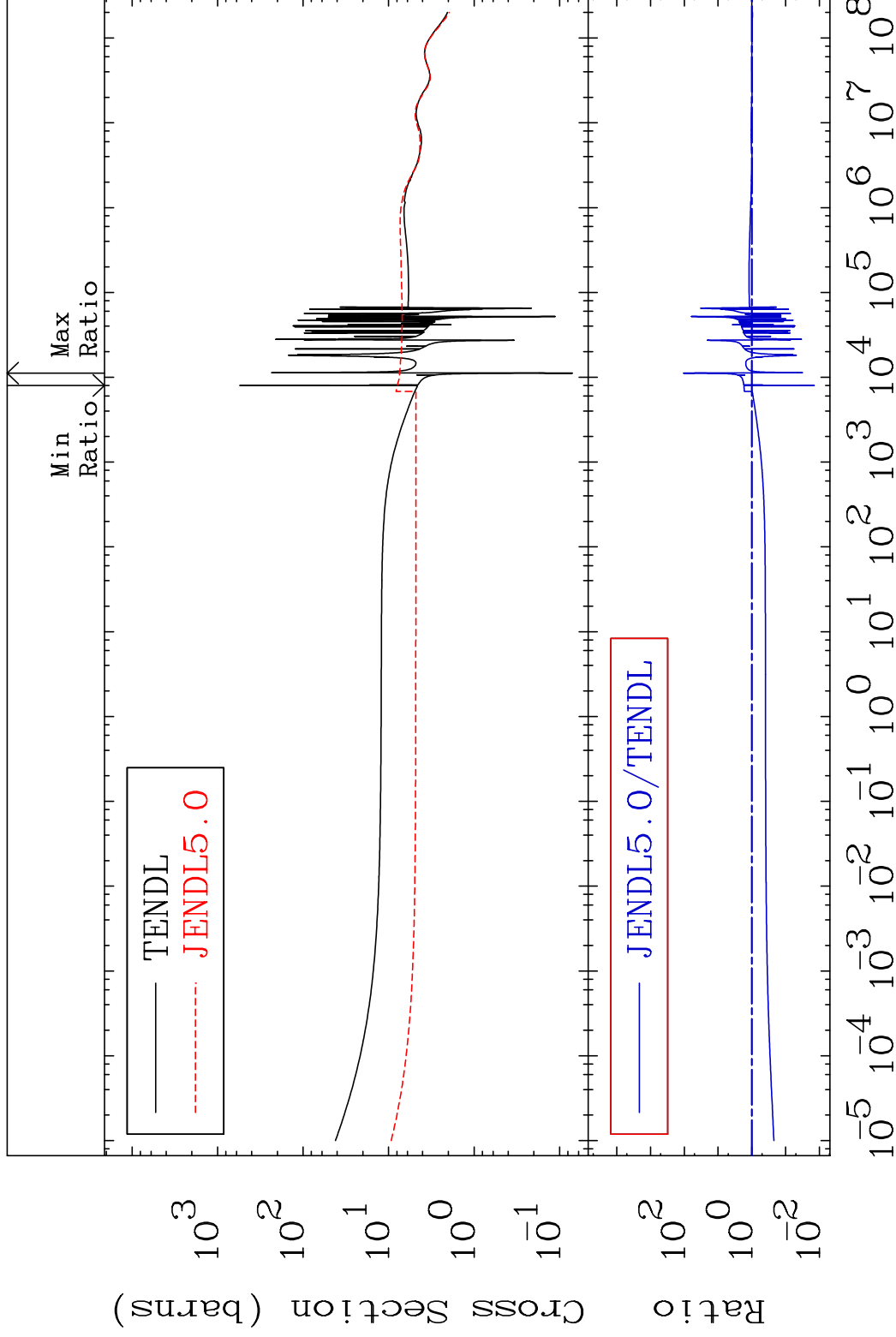
MAT 5067

Total

50-Sn-126

Cross Section

-98.57 To 9999. %



1

Incident Energy (eV)

50-Sn-126

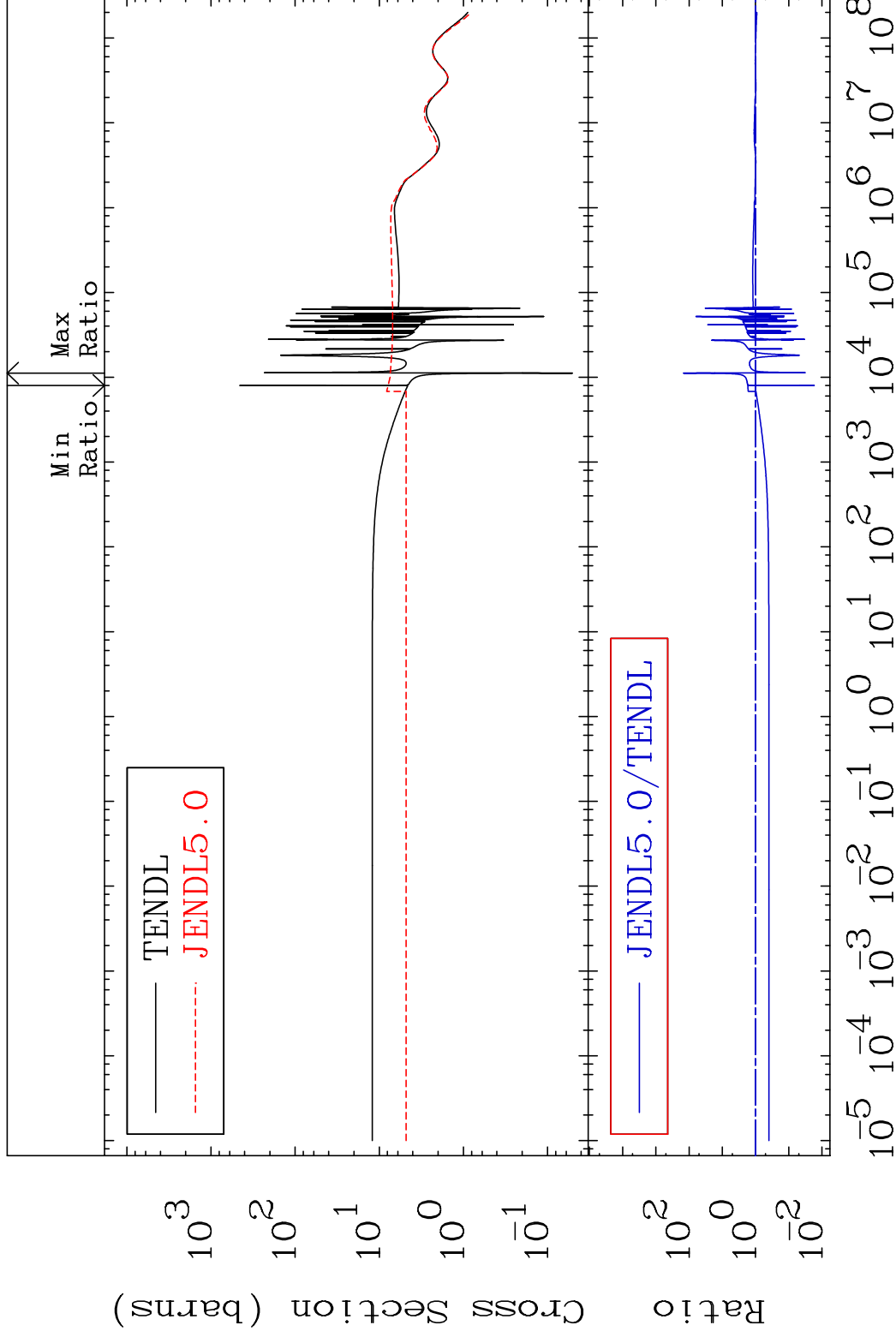
MAT 5067

Elastic

50-Sn-126

Cross Section

-98.28 To 9999. %



2

Incident Energy (eV)

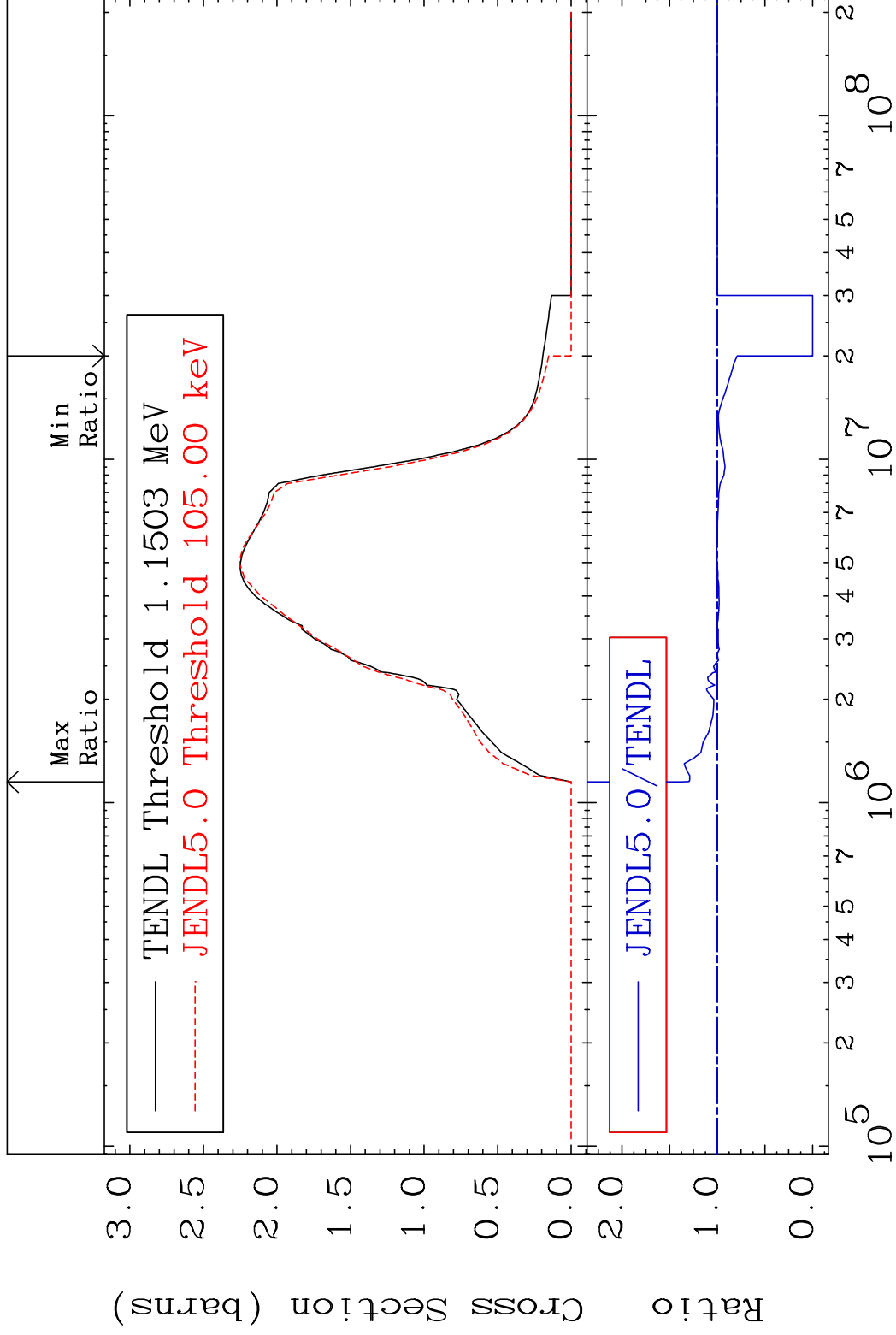
50-Sn-126

MAT 5067

Inelastic

50-Sn-126

Cross Section -100.0 To 36.64 %



3

Incident Energy (eV)

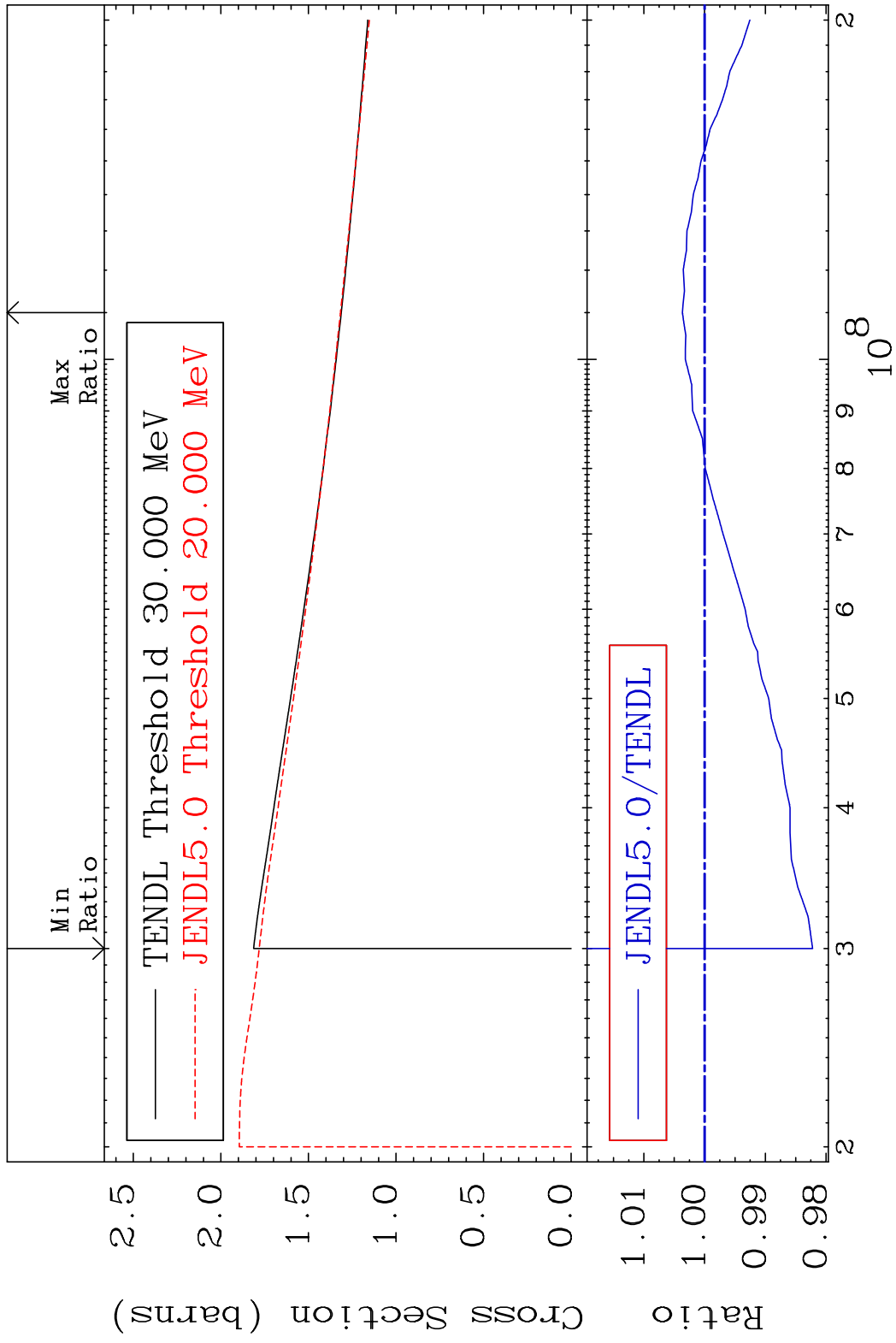
50-Sn-126

MAT 5067

(n, remainder)

50-Sn-126

Cross Section -1.778 To 0.366 %



4

Incident Energy (eV)

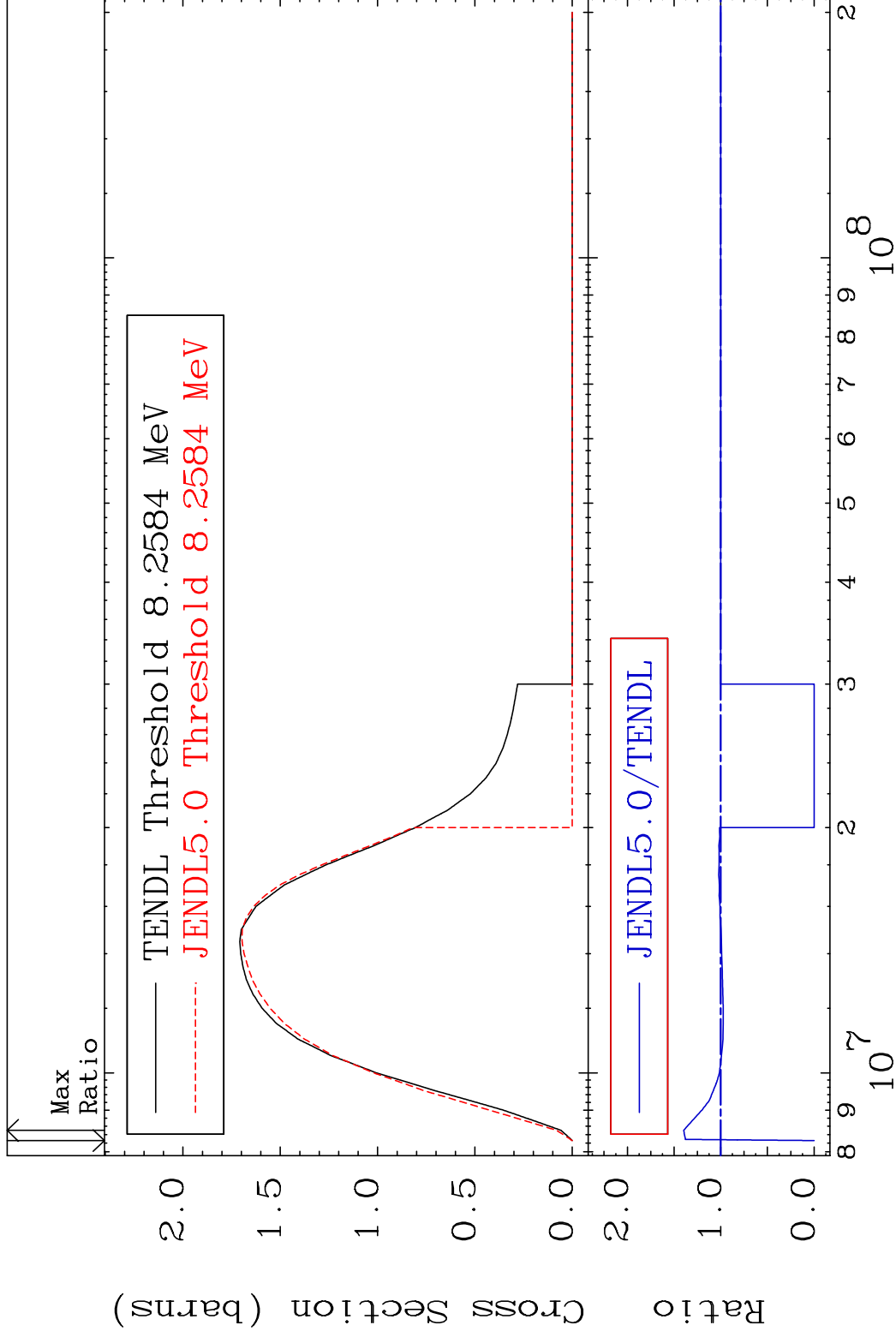
50-Sn-126

MAT 5067

(n,2n)

50-Sn-126

Cross Section -100.0 To 39.74 %



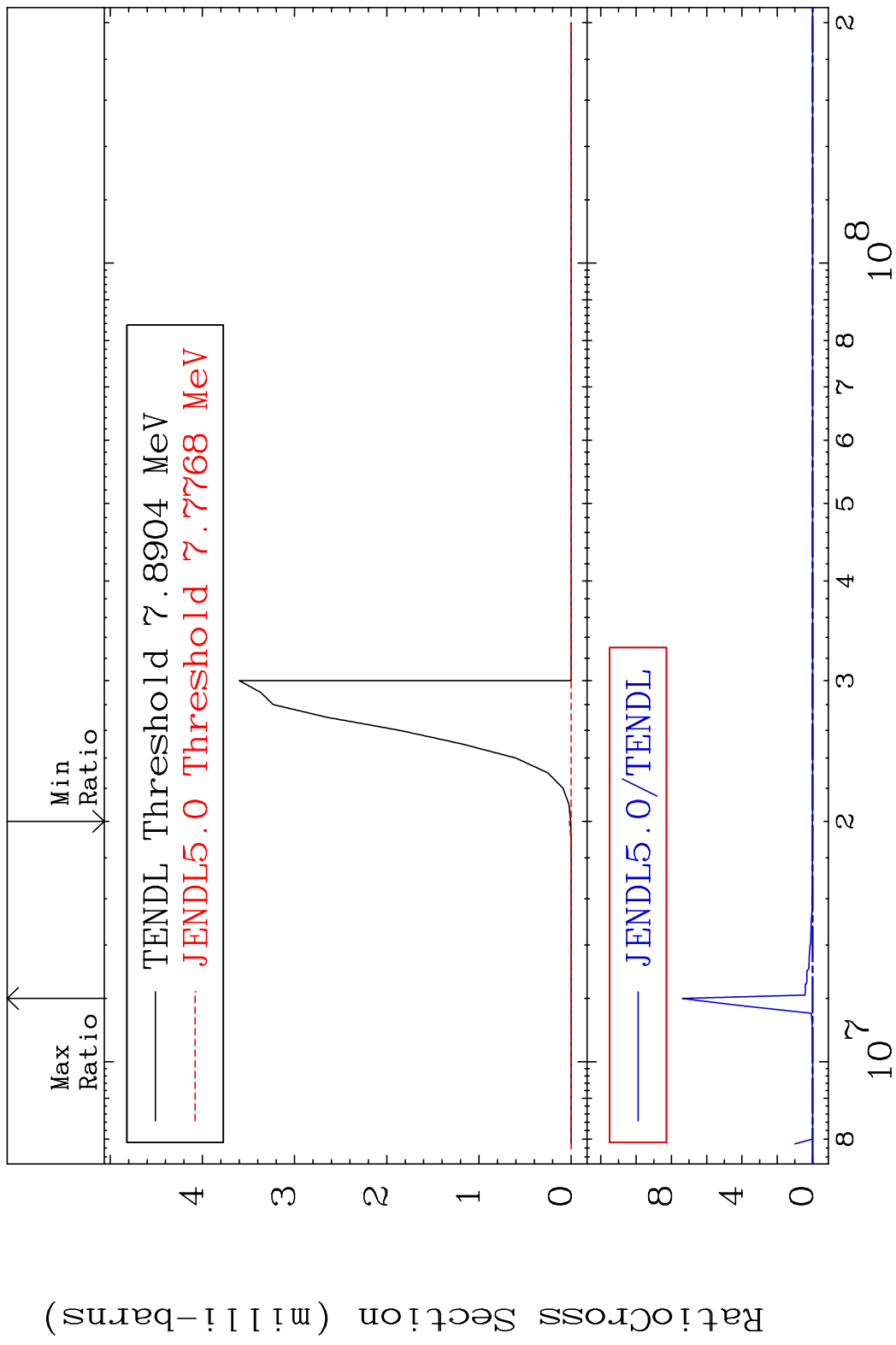
5

Incident Energy (eV)

50-Sn-126



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



7 8 10<sup>7</sup> 2 10<sup>8</sup> 50-Sn-126

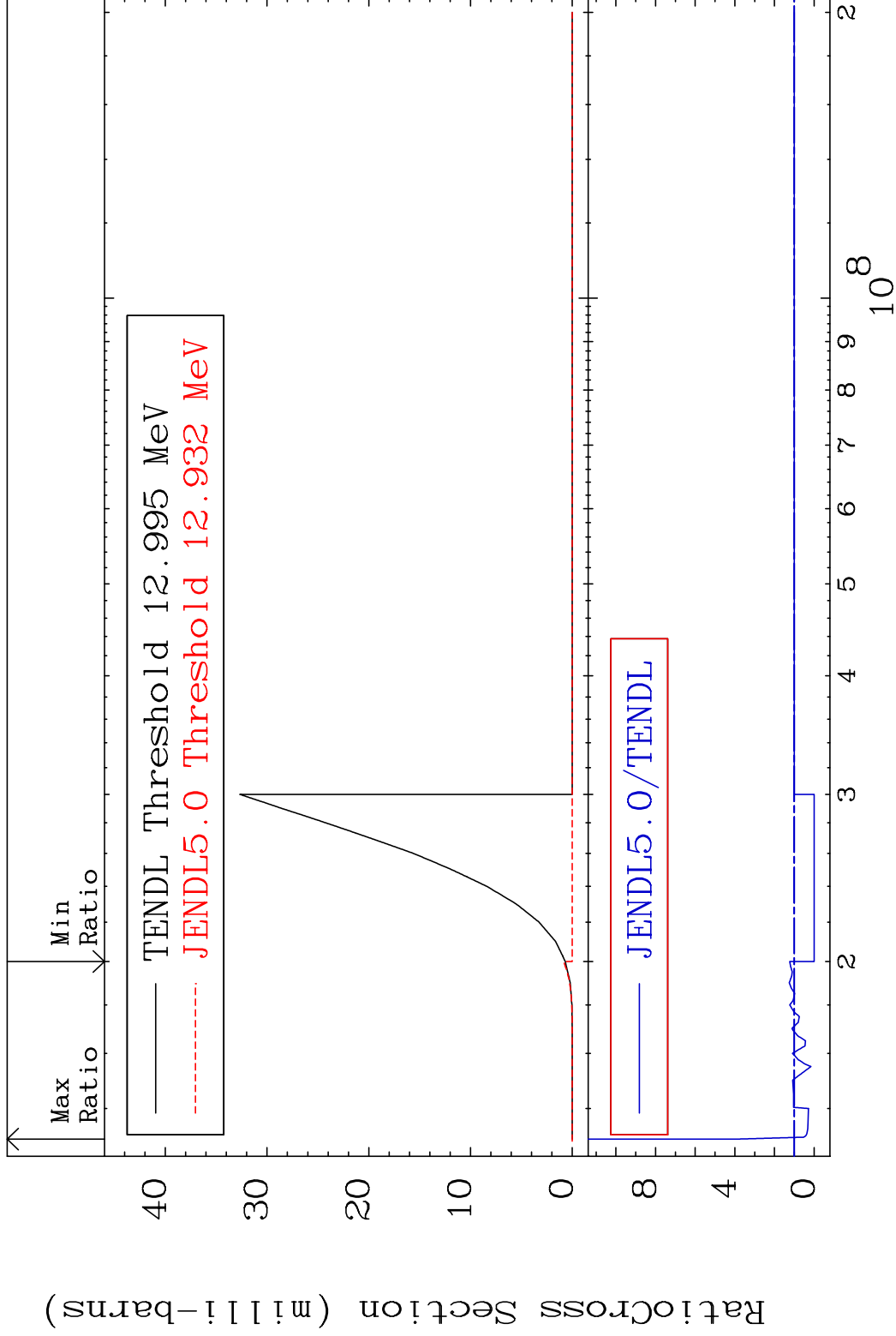


MAT 5067

(n, n') p

50-Sn-126

Cross Section -100.0 To 558.2 %

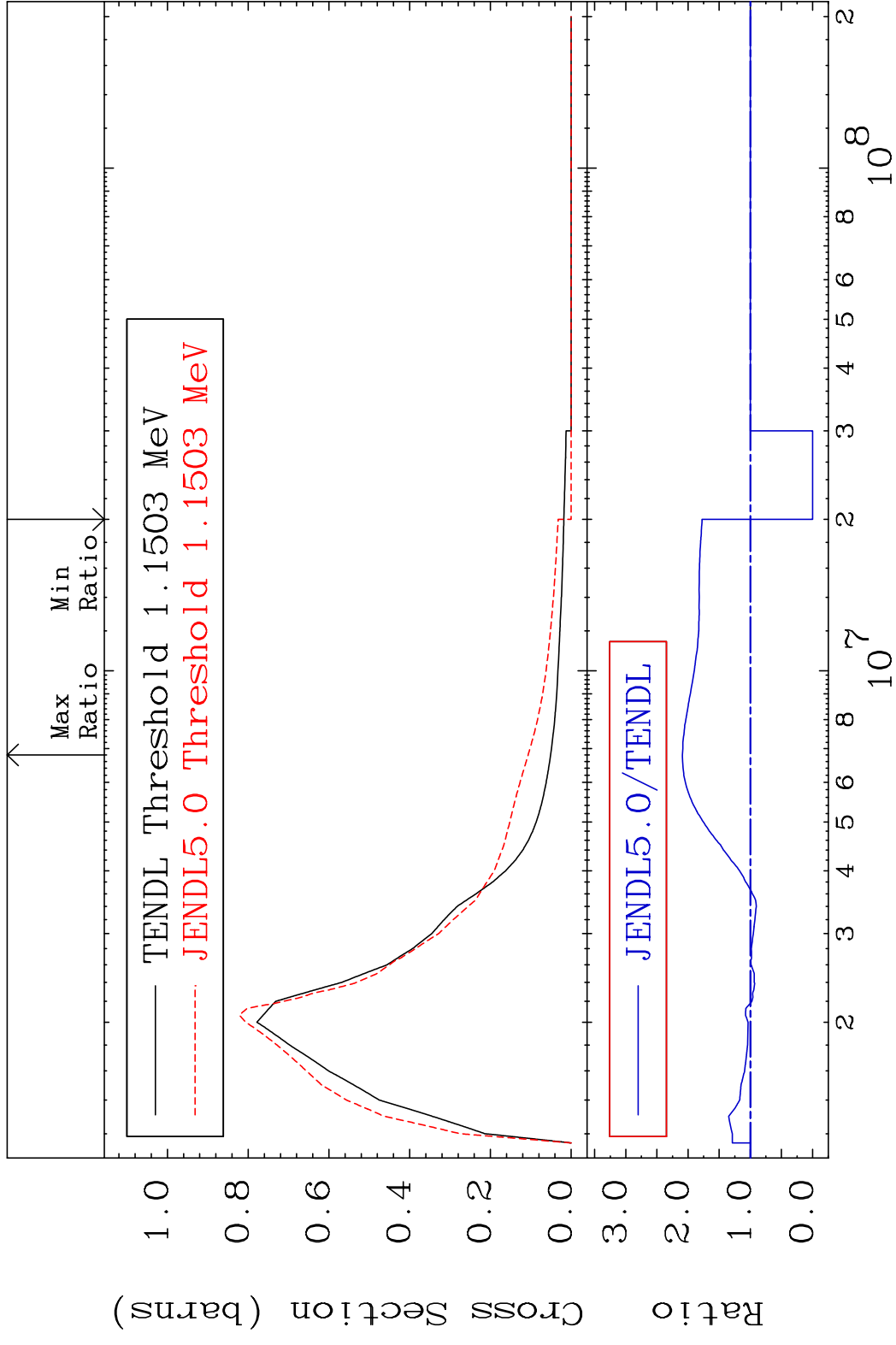


8

Incident Energy (eV)

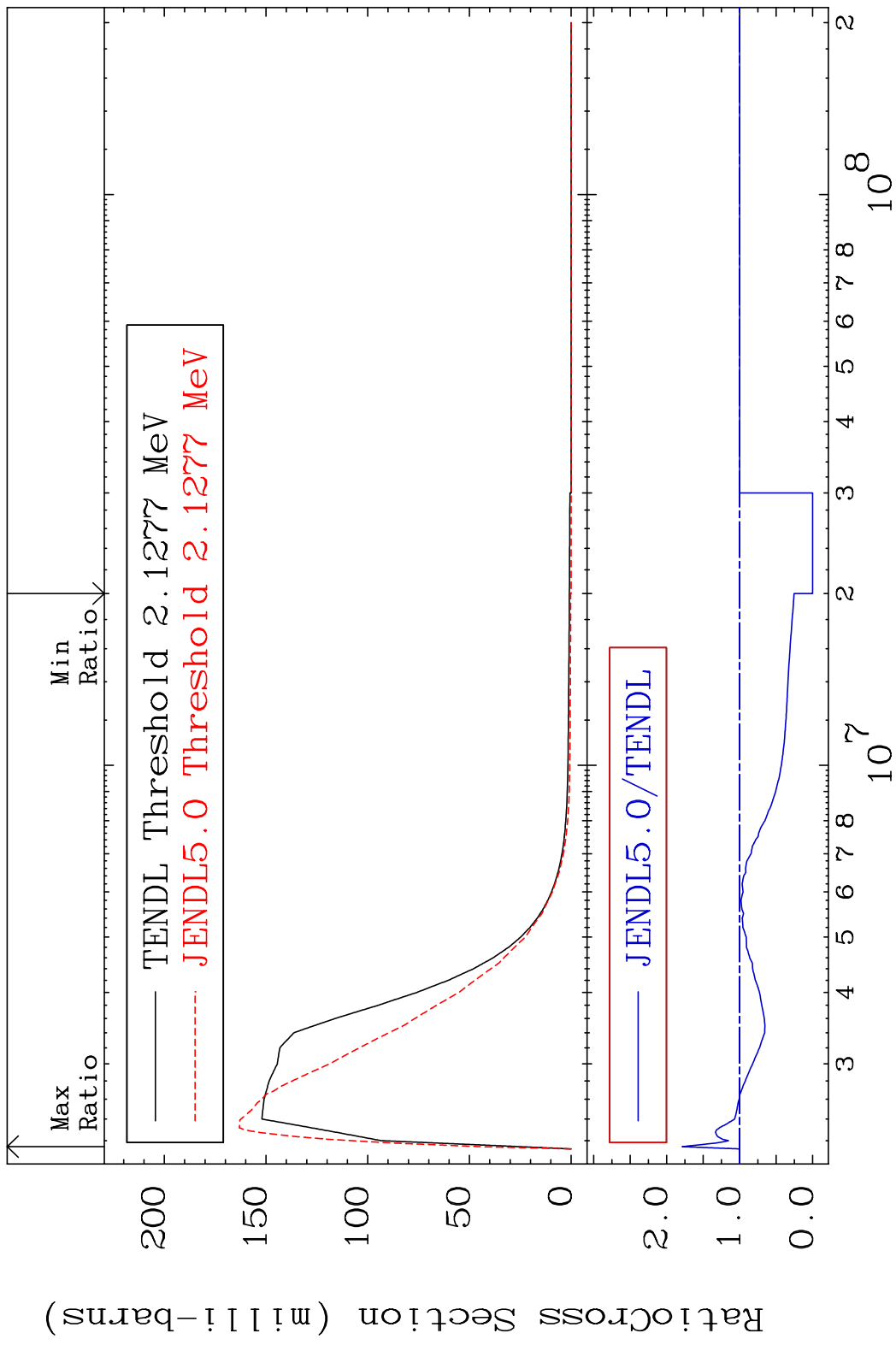
50-Sn-126

MAT 5067 MT= 51 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 109.2 %

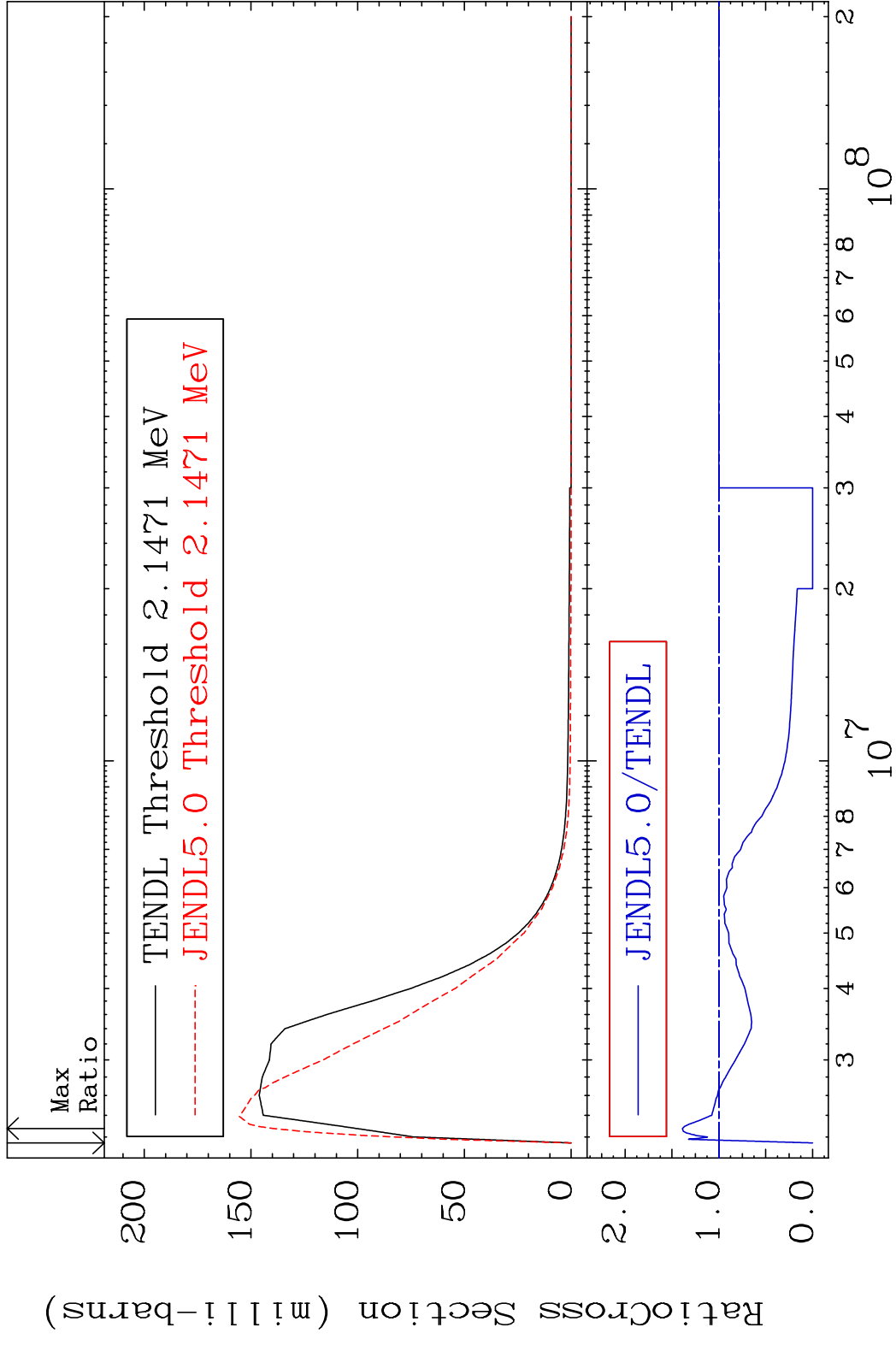




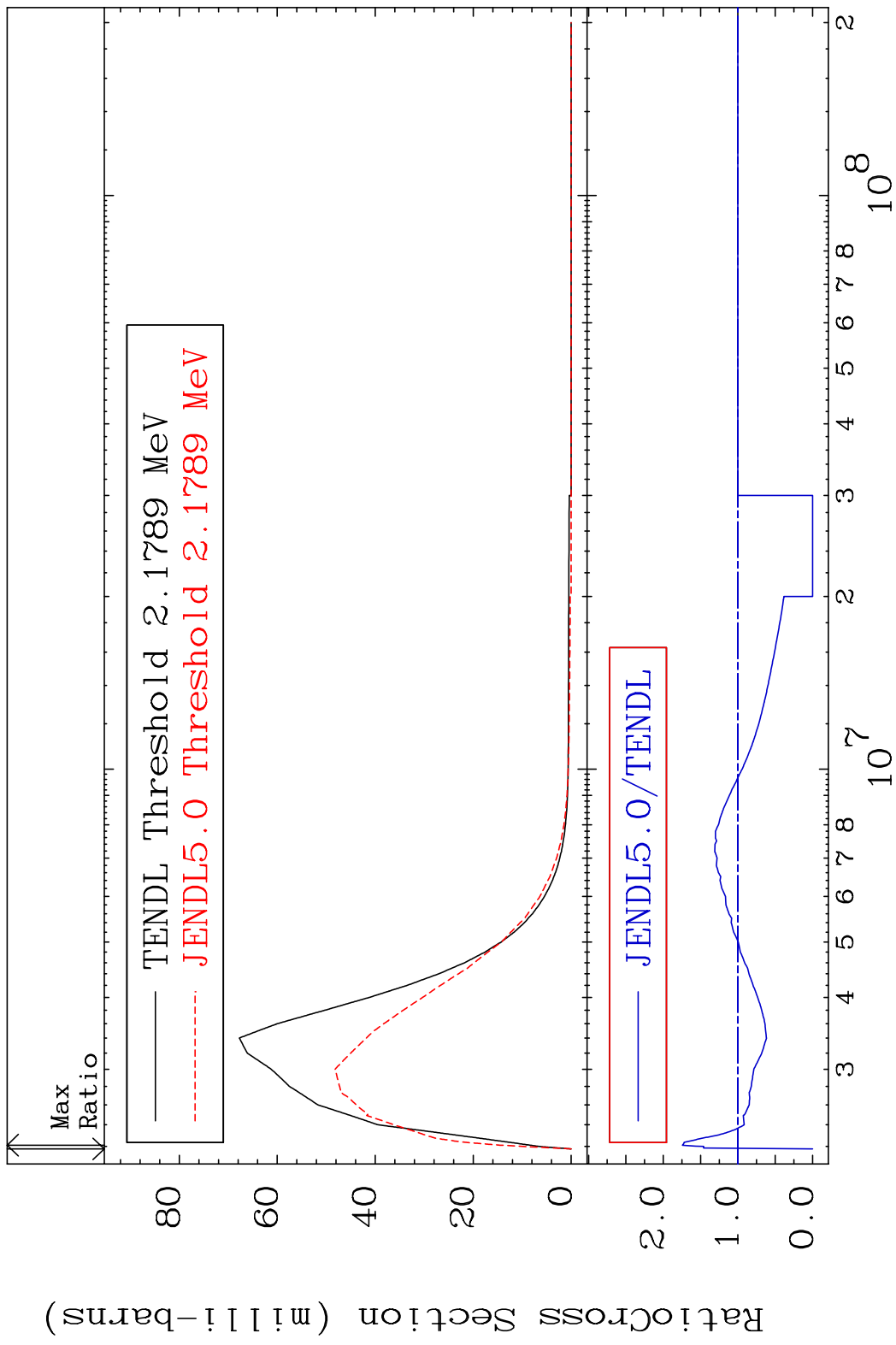
MAT 5067 MT= 53 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 78.54 %



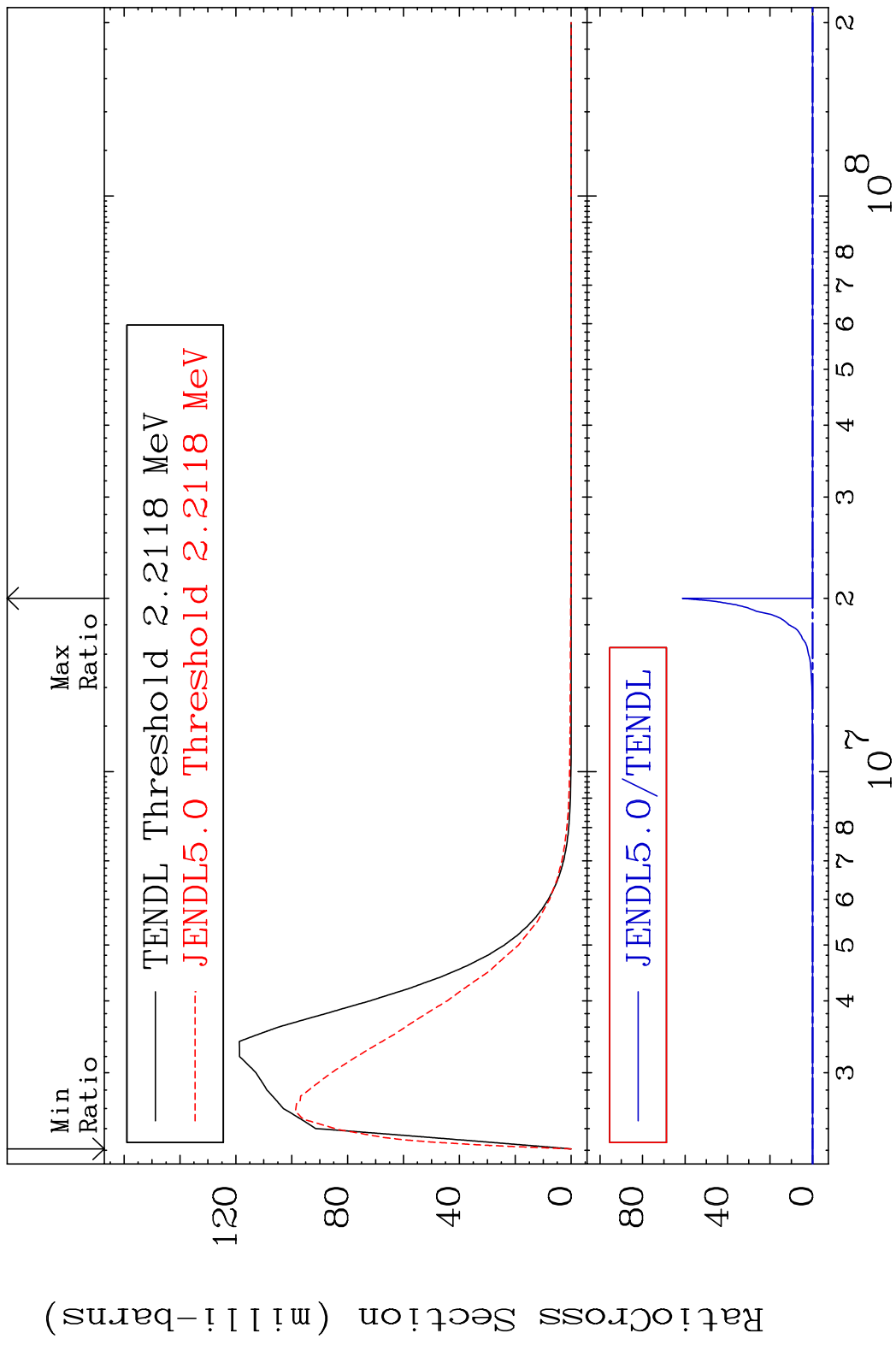
MAT 5067 MT= 54 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 38.90 %



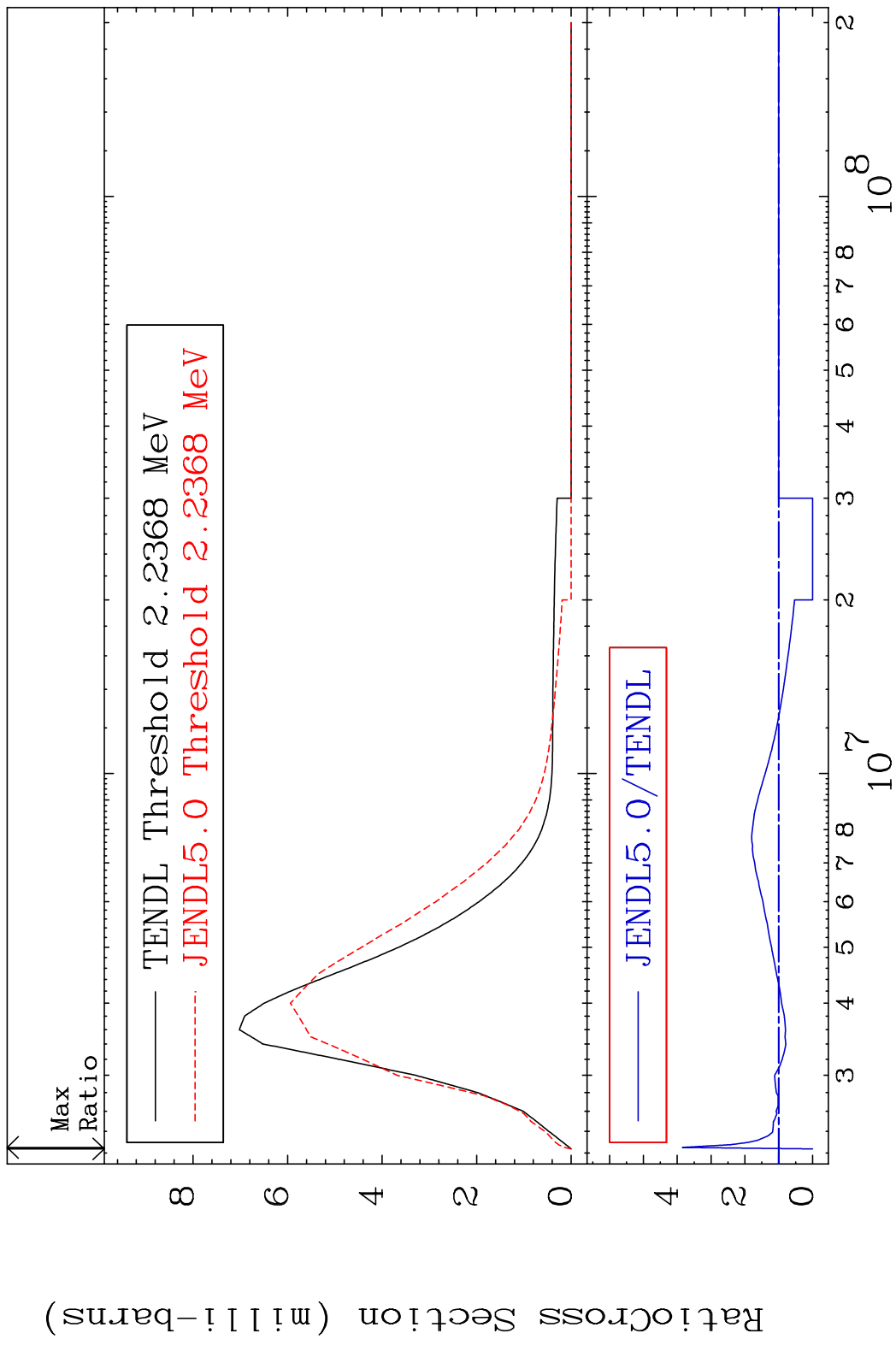
MAT 5067 MT= 55 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 74.40 %



MAT 5067 MT= 56 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %

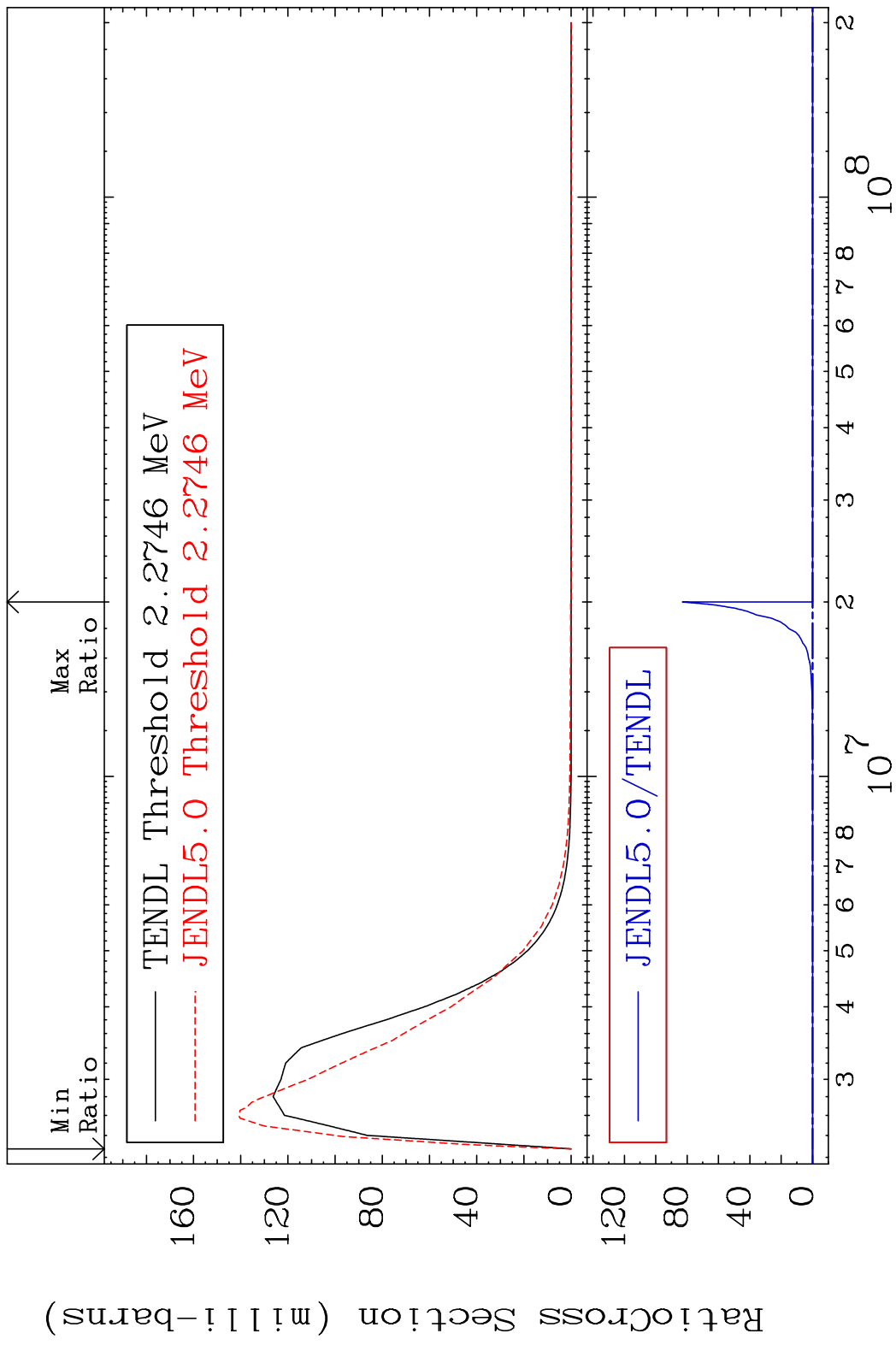


MAT 5067 MT= 57 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 284.9 %

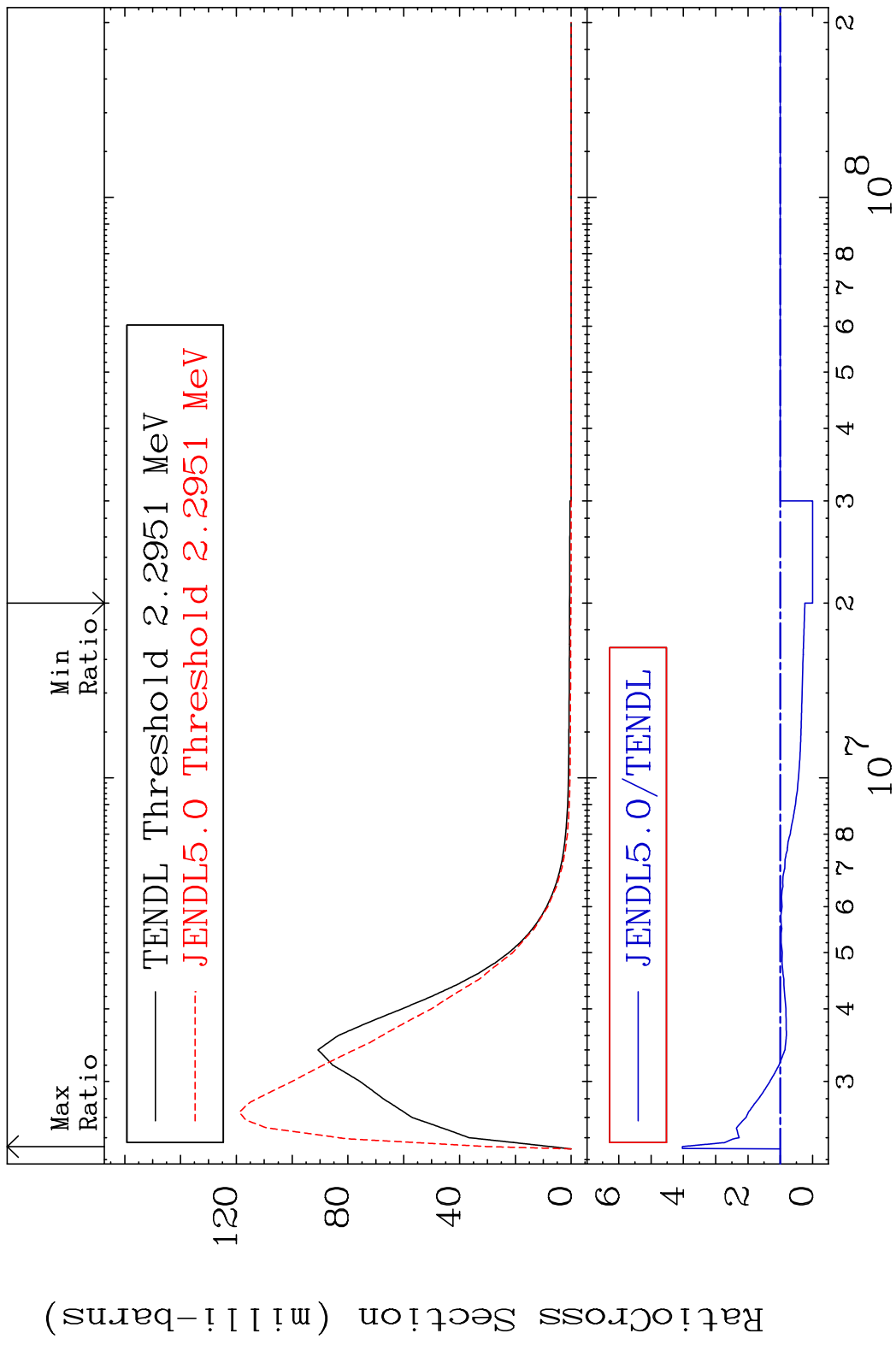




MAT 5067 MT= 58 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %

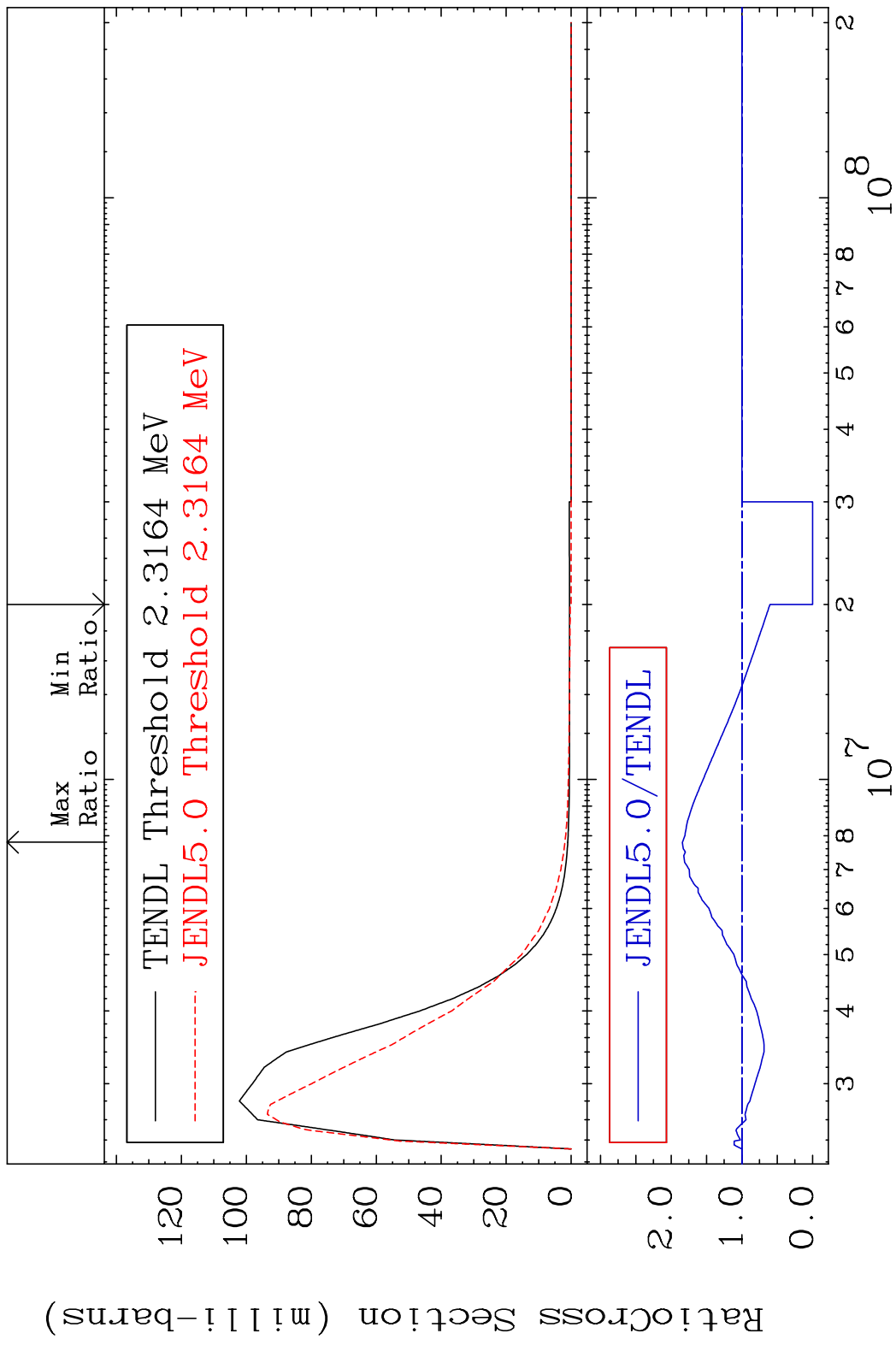


MAT 5067 MT= 59 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 303.1 %

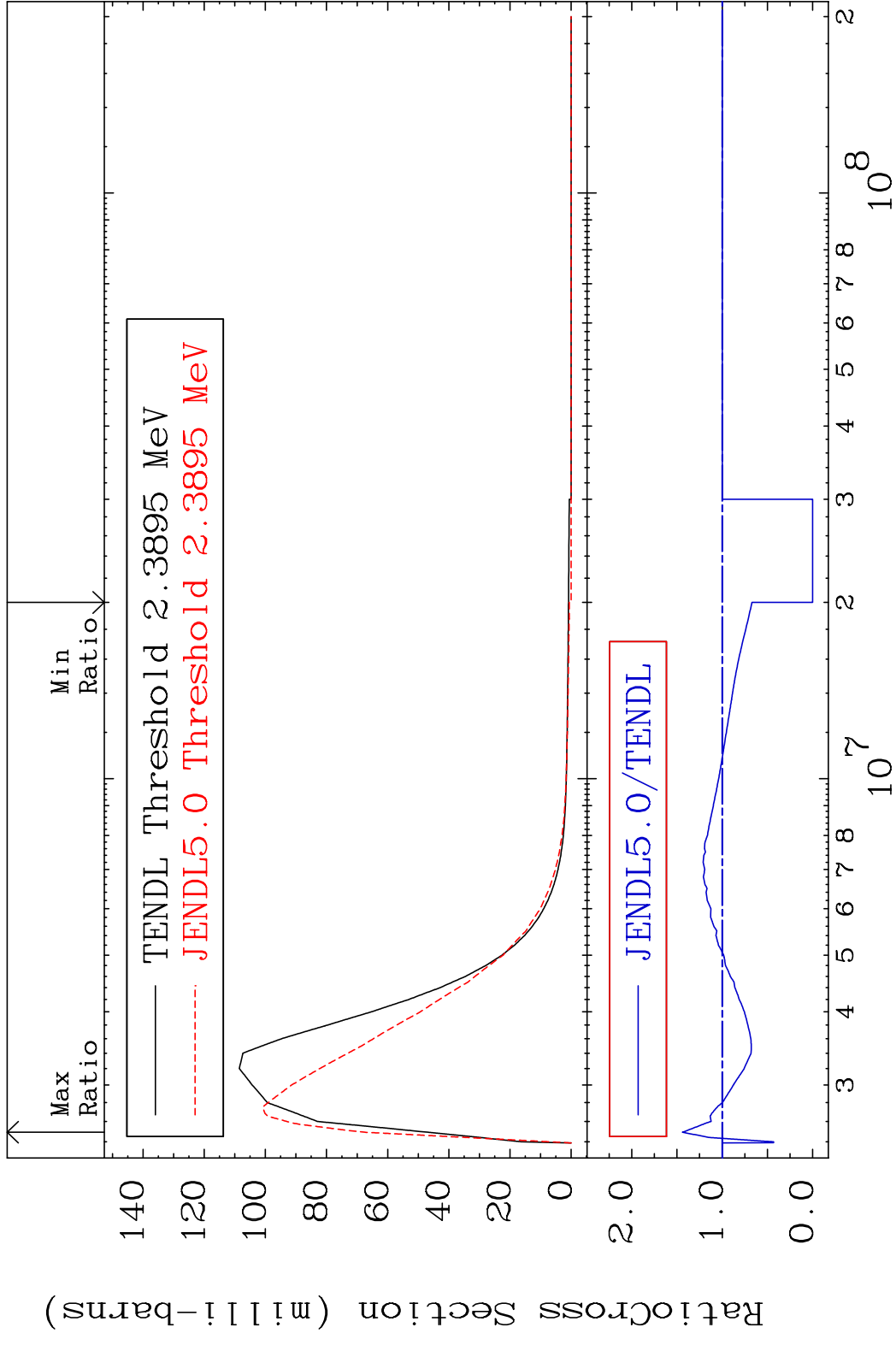


17 50-Sn-126

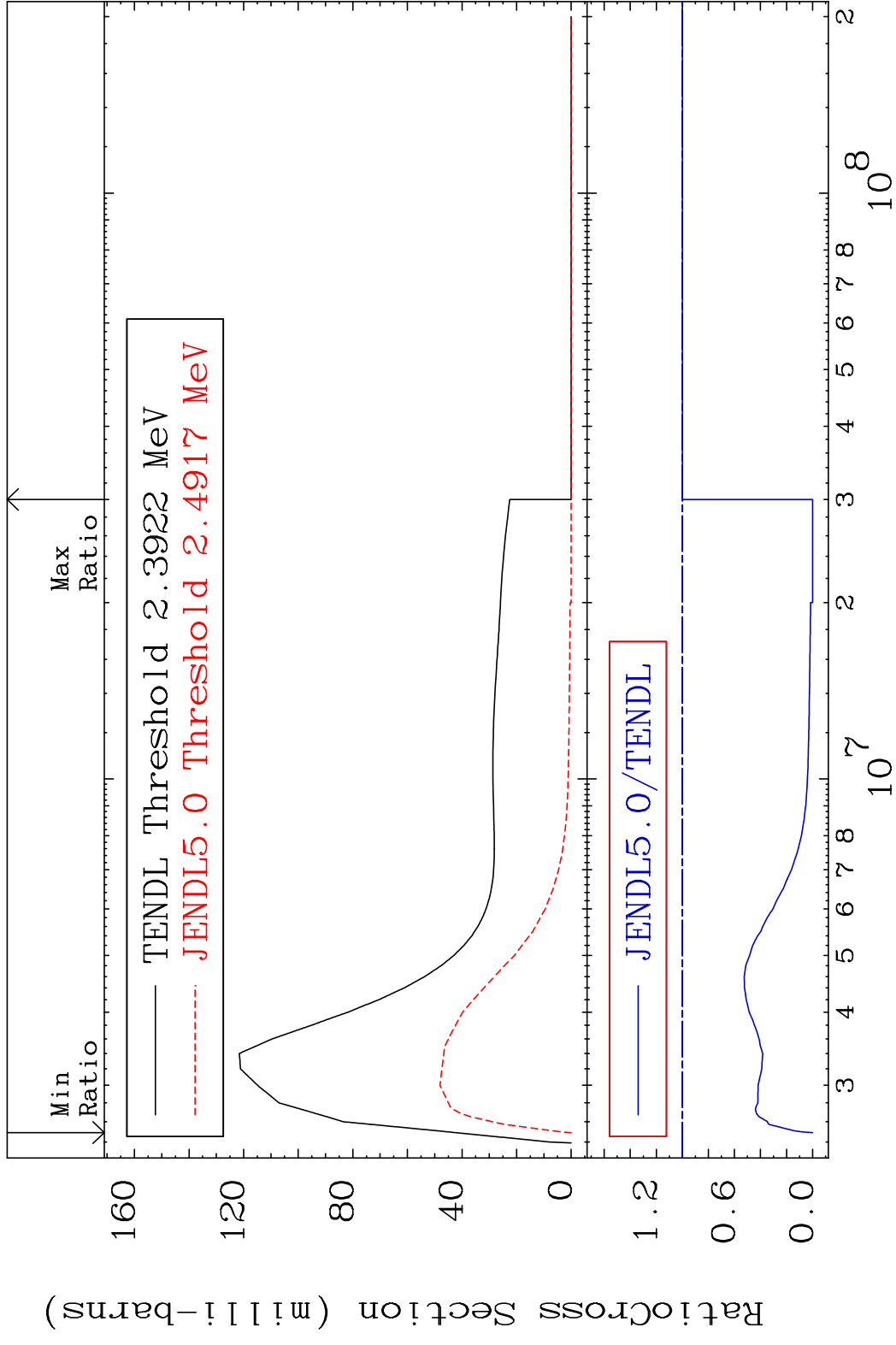
MAT 5067 MT= 60 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 84.12 %



MAT 5067 MT= 61 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 44.08 %

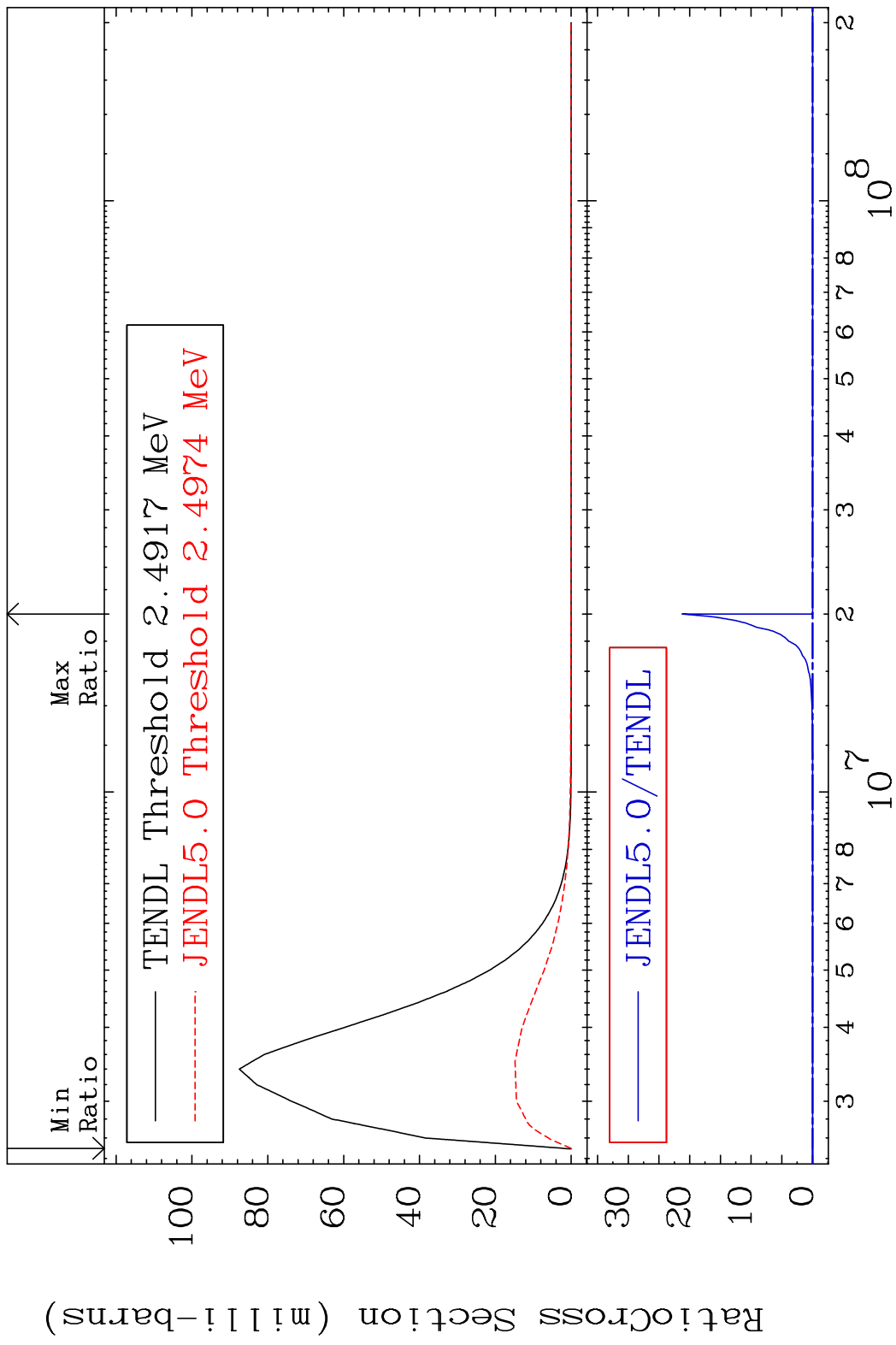


MAT 5067 MT= 62 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %

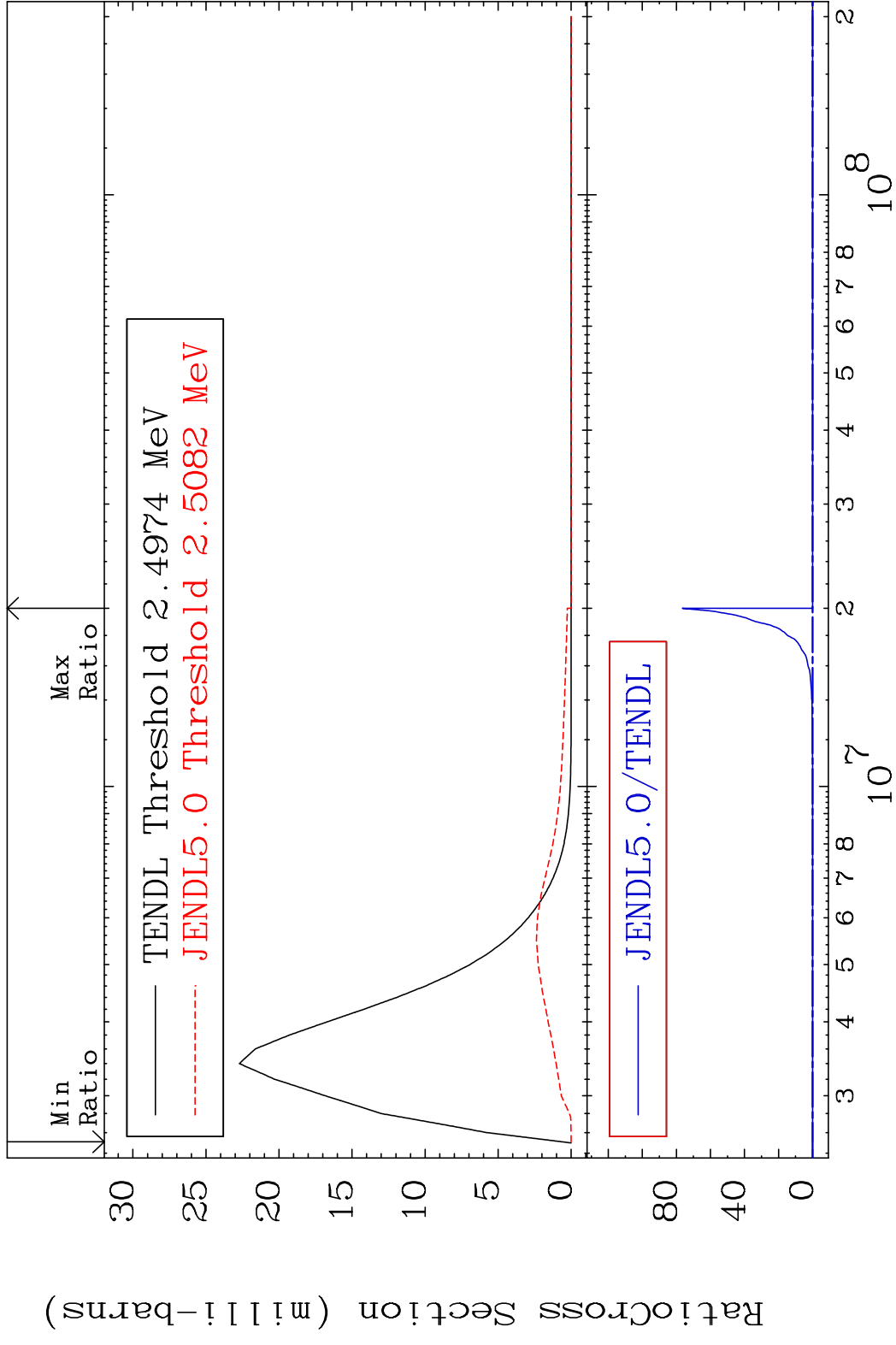


20 Incident Energy (eV) 50-Sn-126

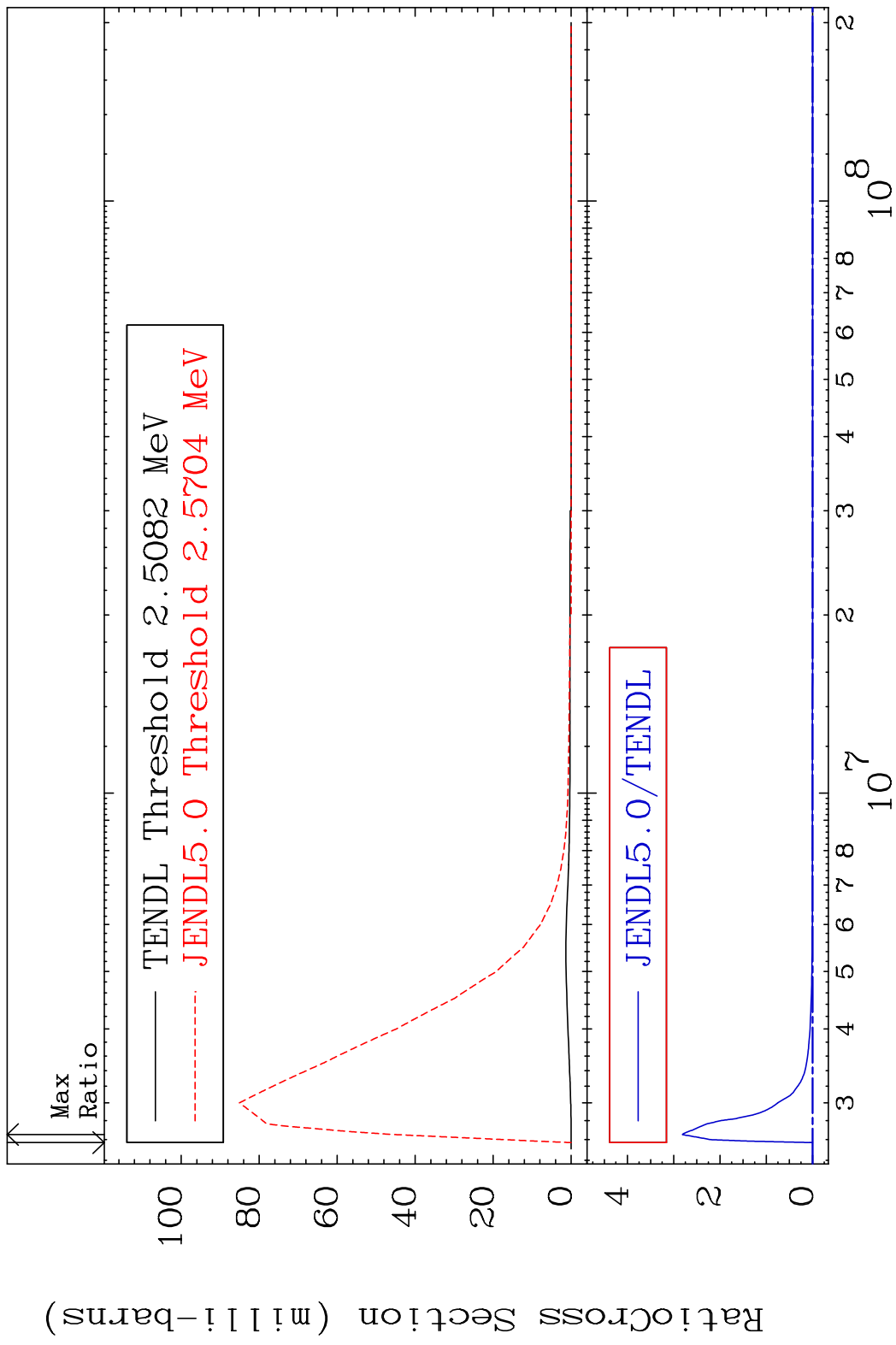
MAT 5067 MT= 63 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



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

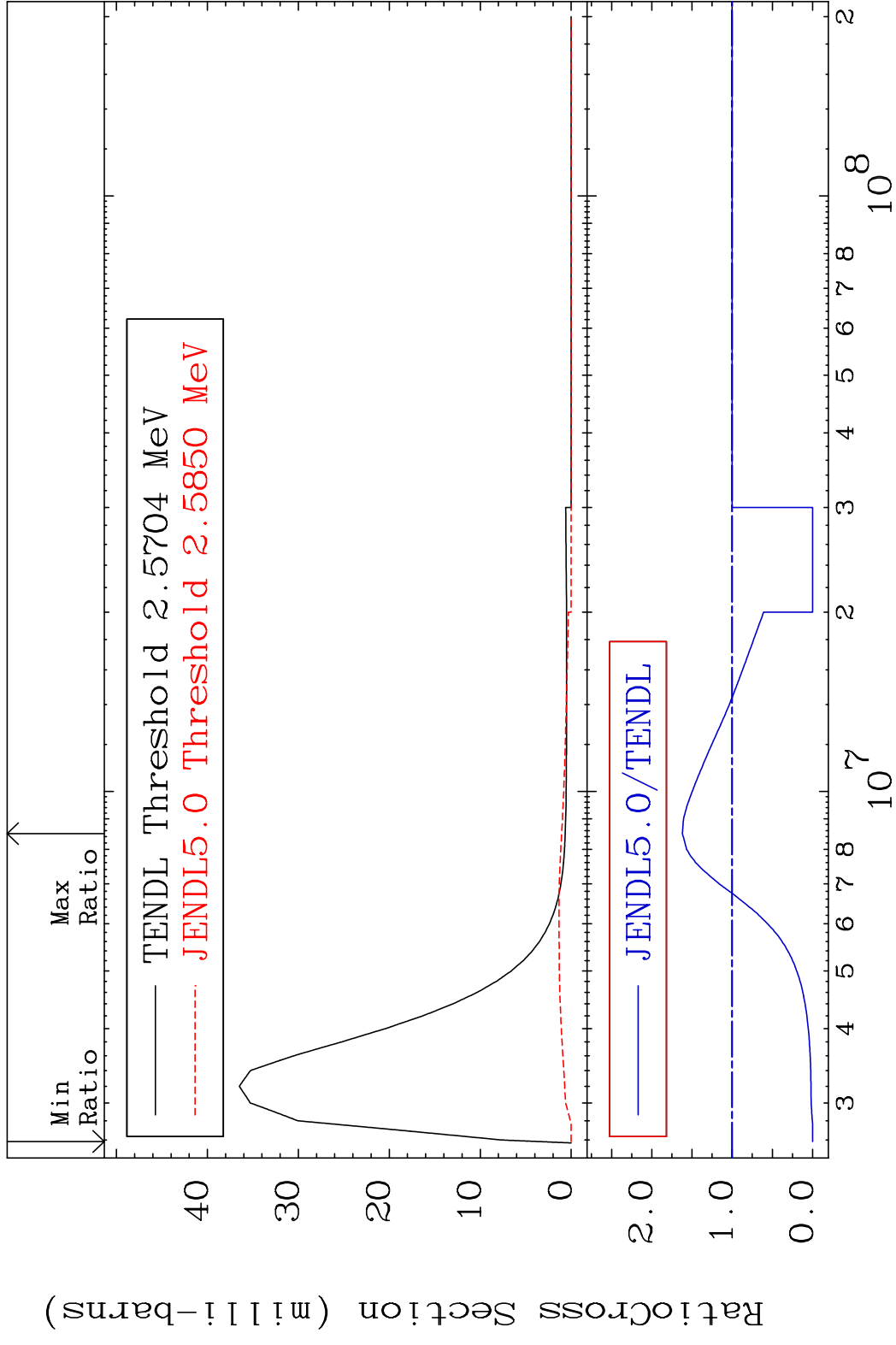


MAT 5067 MT= 65 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %

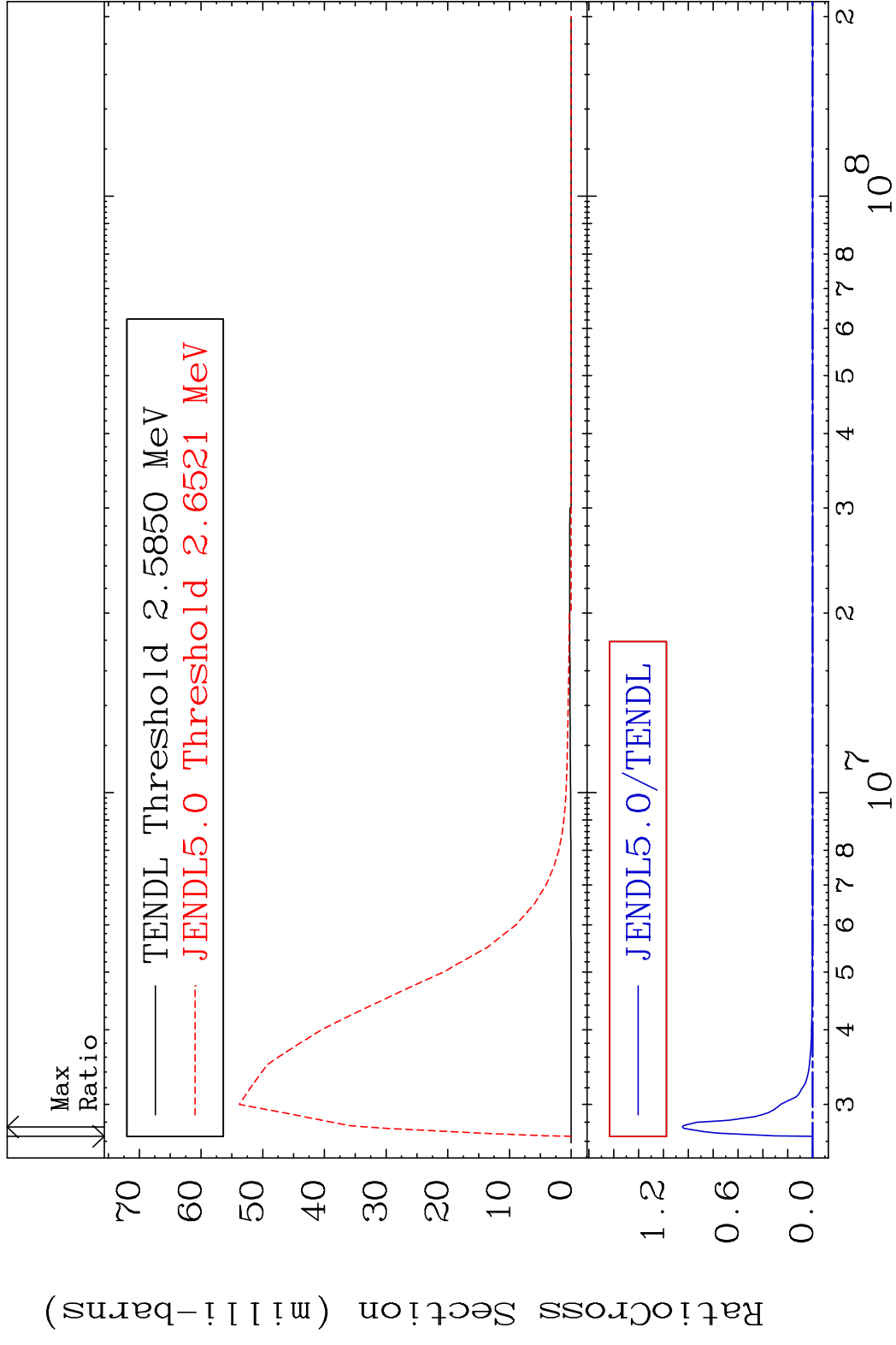




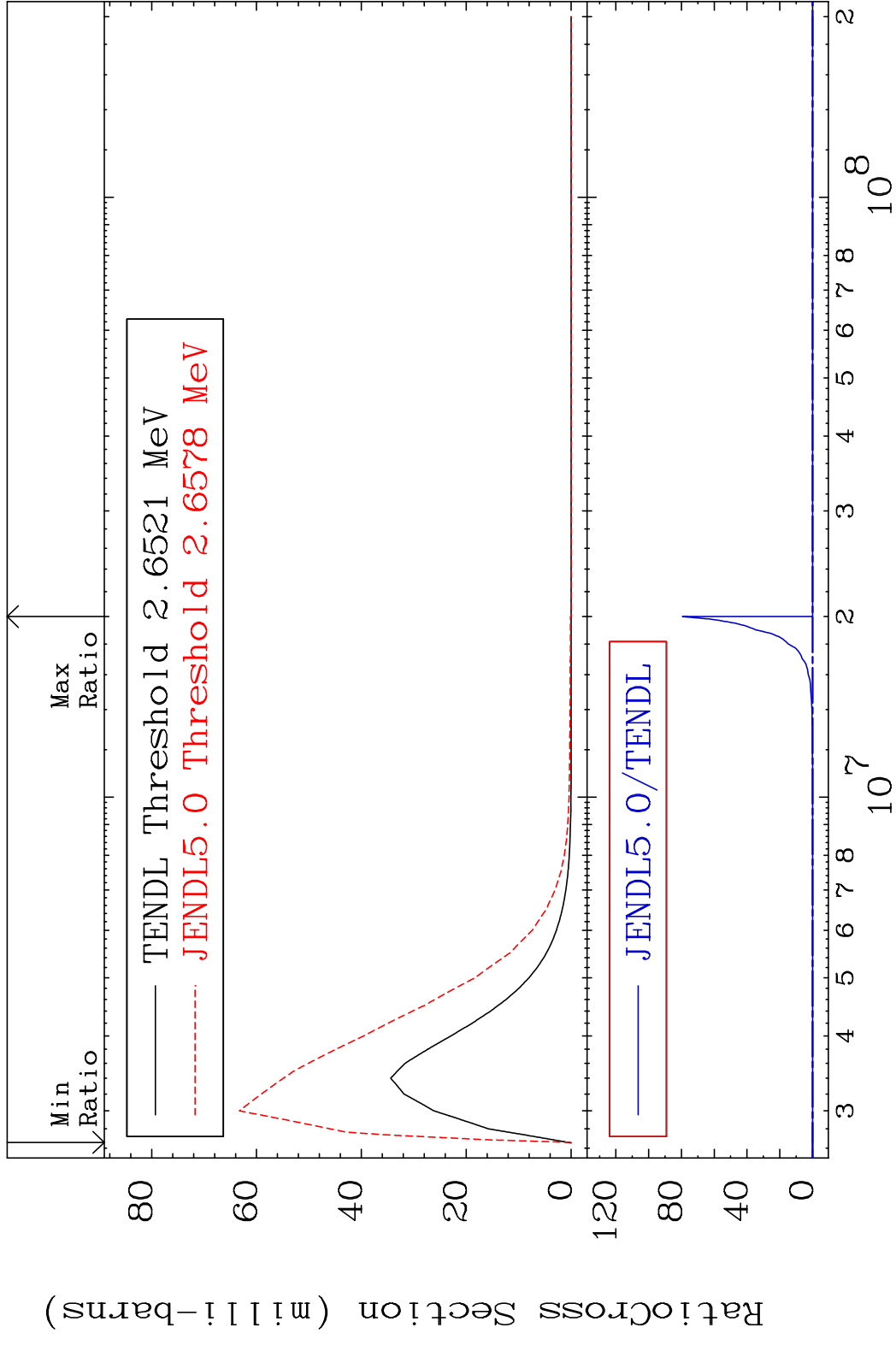
MAT 5067 MT= 66 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 61.98 %



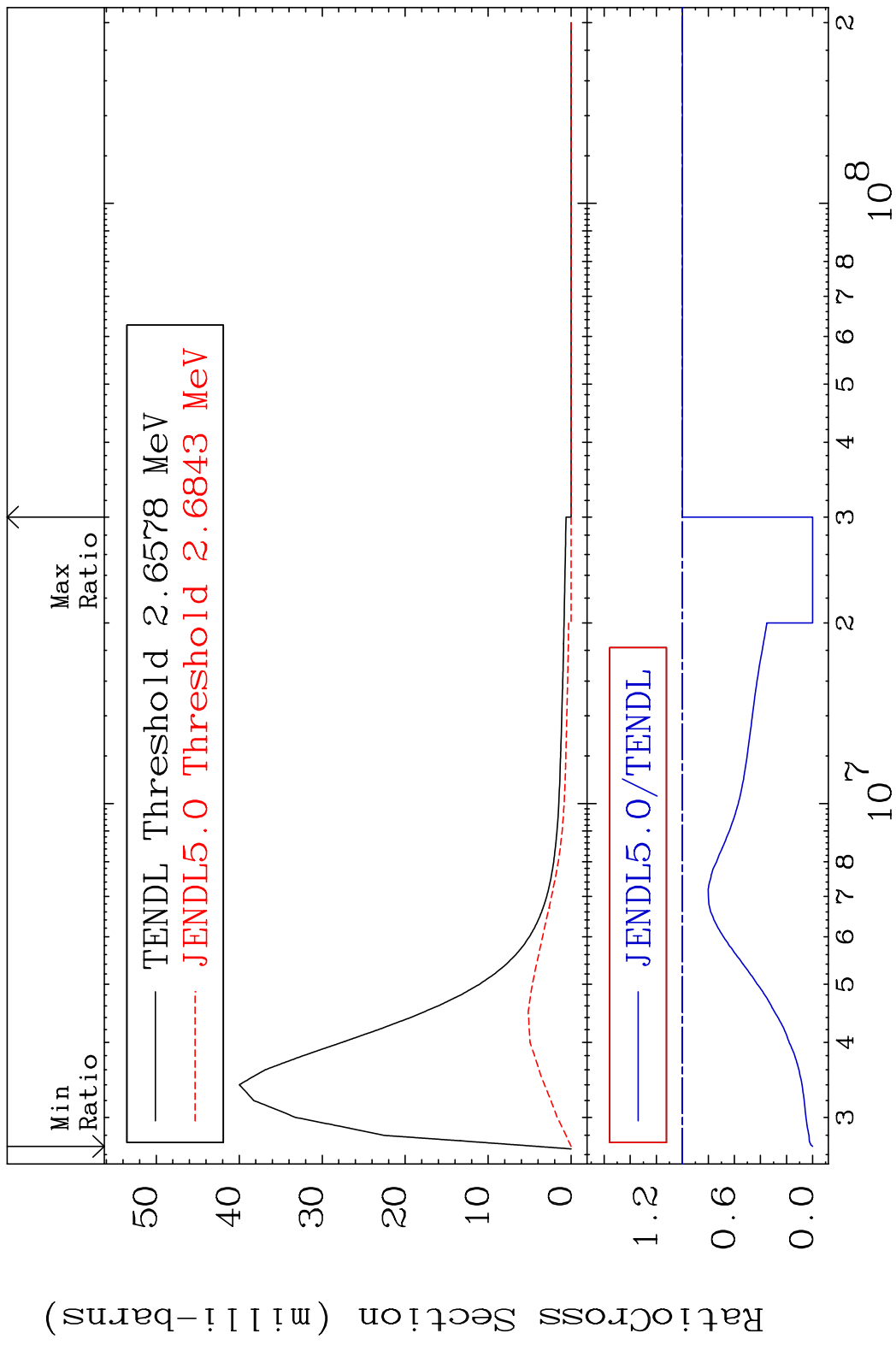
MAT 5067 MT= 67 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



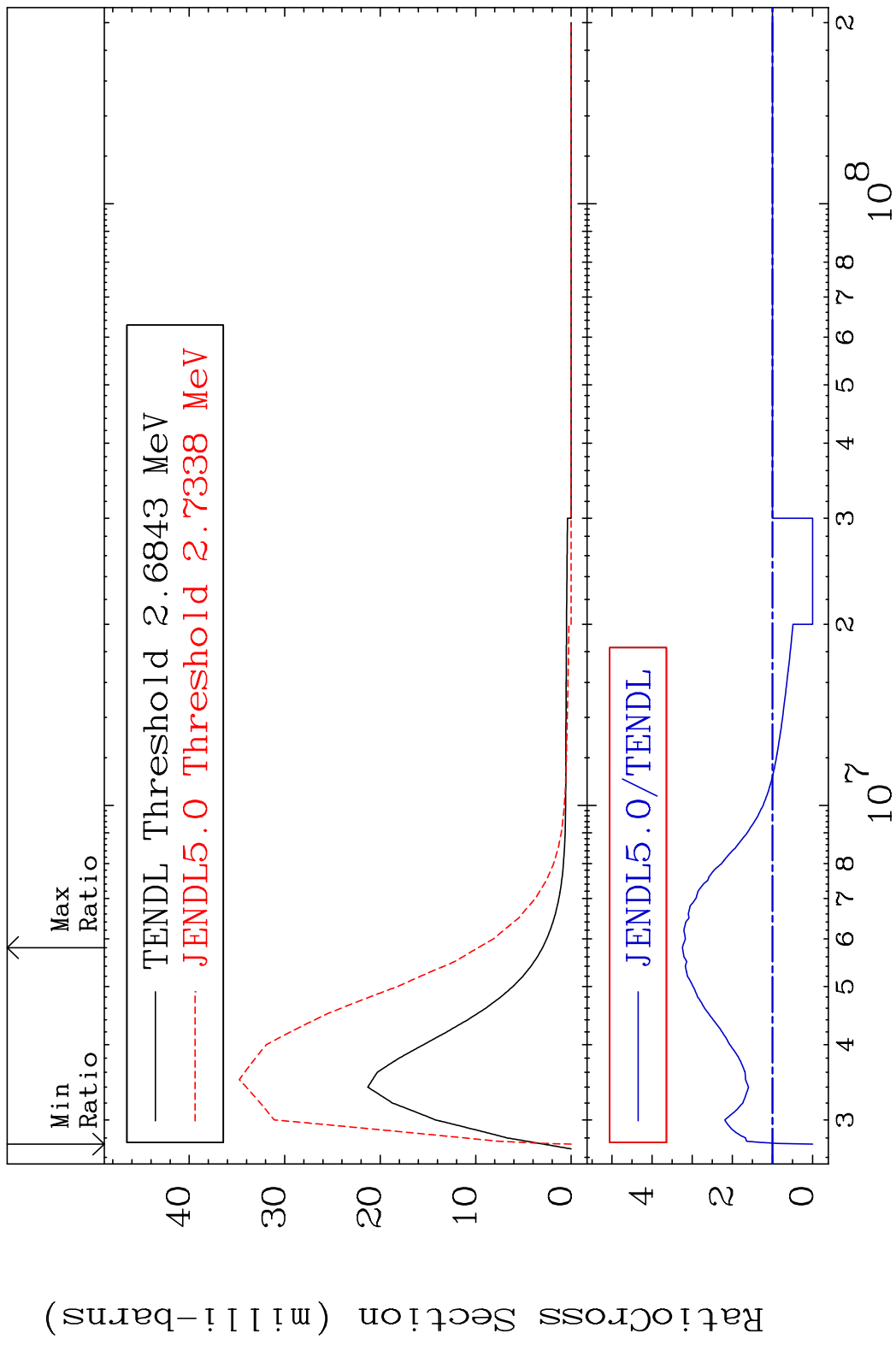
MAT 5067 MT= 68 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



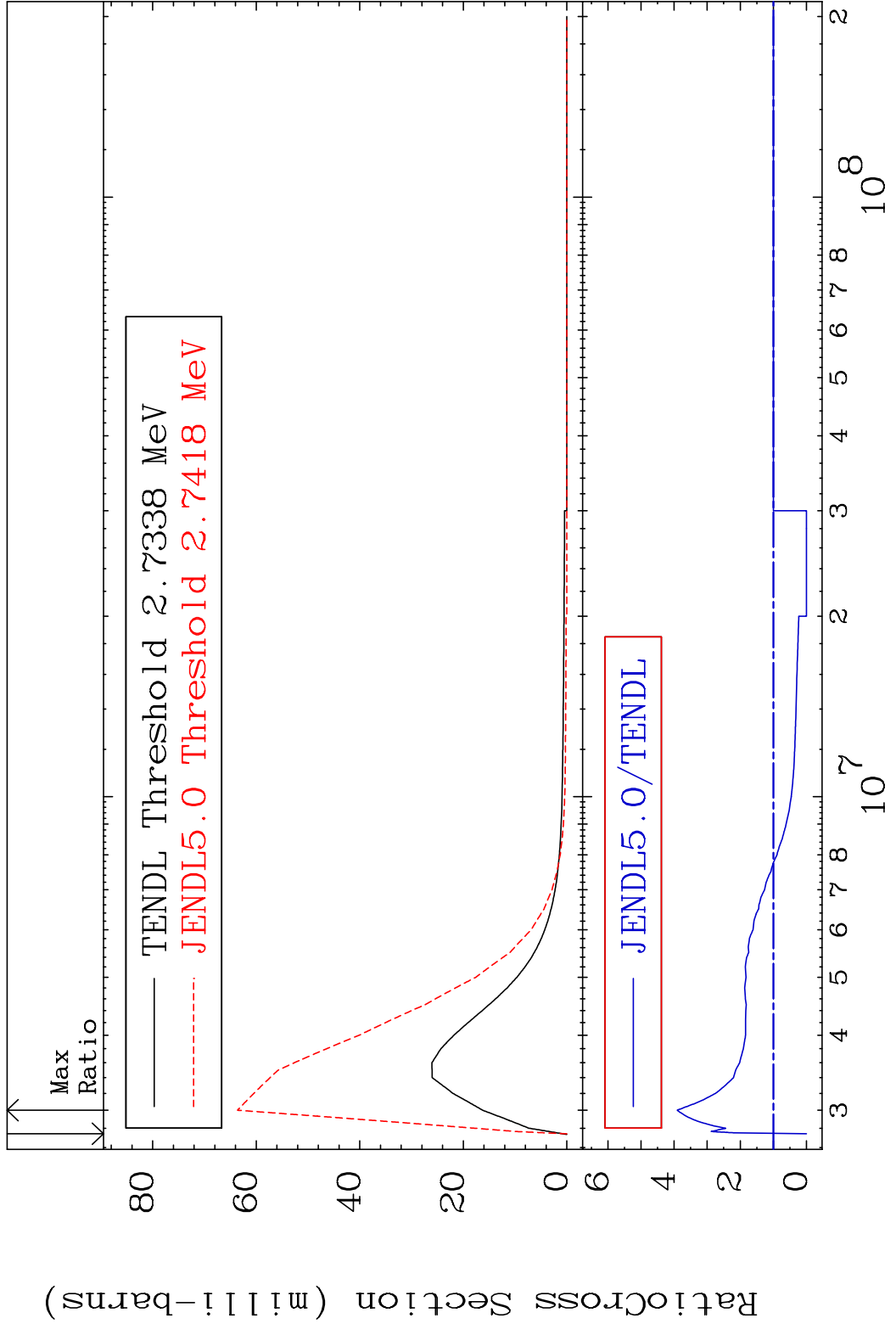
MAT 5067 MT= 69 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %



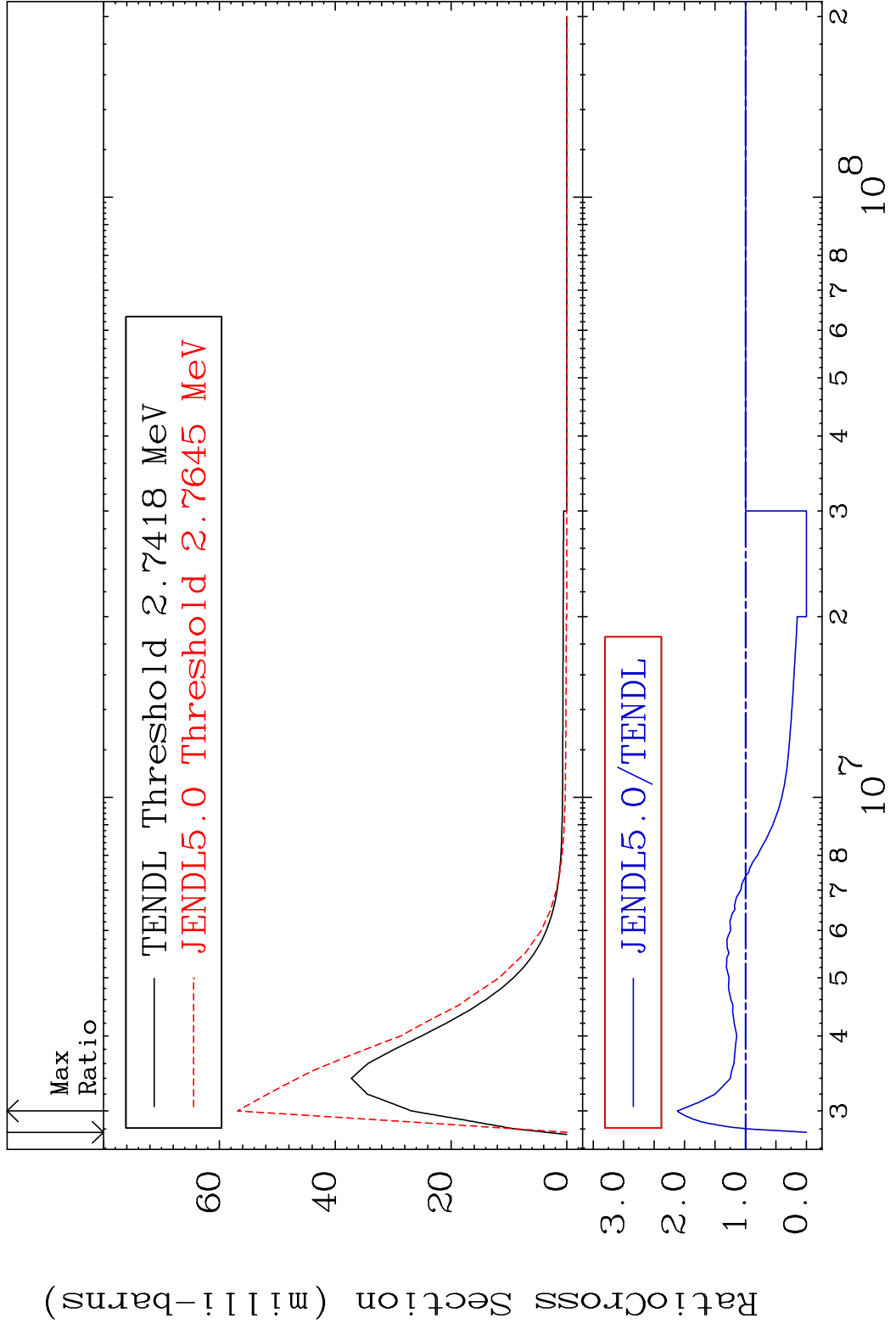
MAT 5067 MT= 70 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 224.7 %



MAT 5067 MT= 71 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 290.7 %



MAT 5067 MT= 72 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 112.1 %

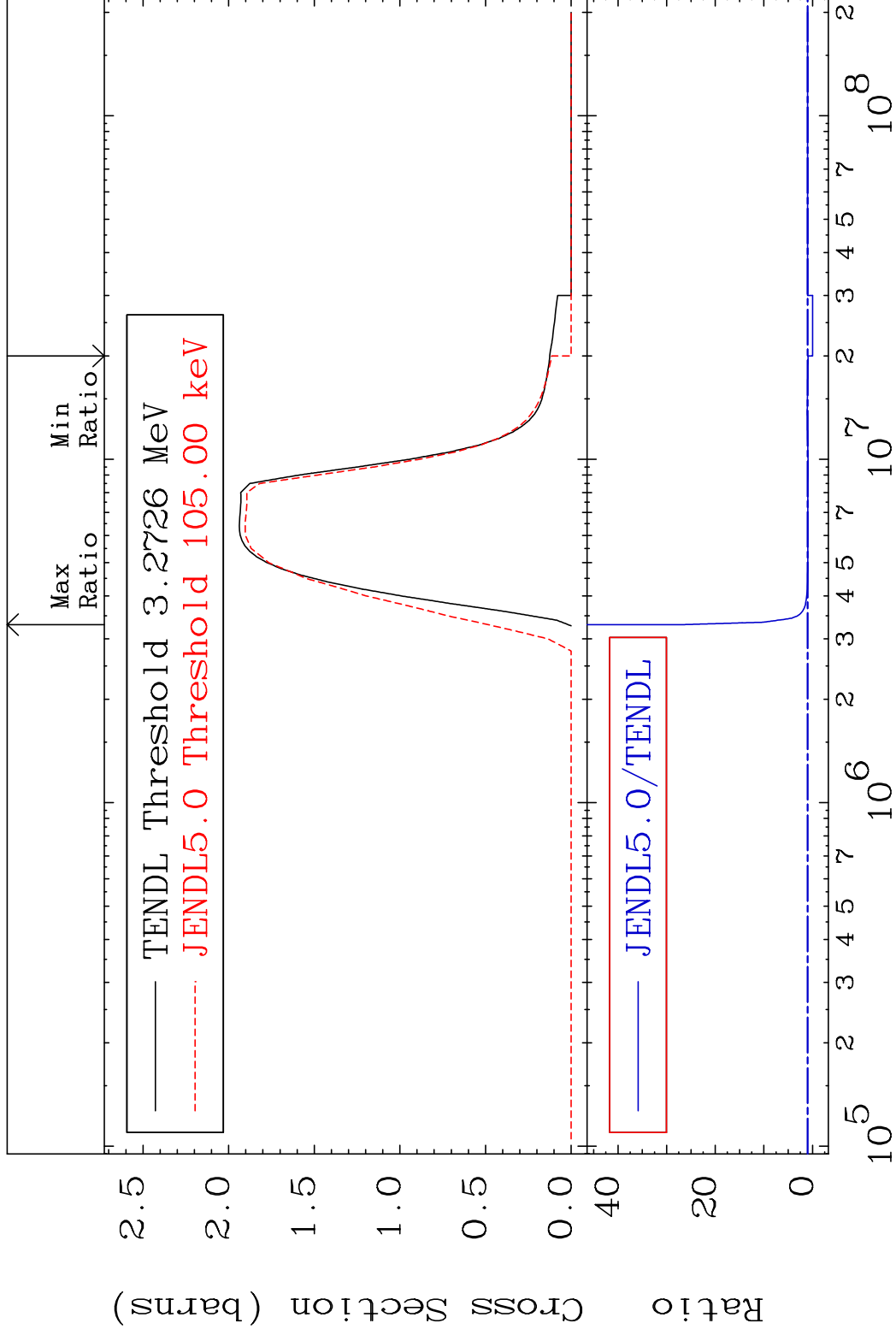


MAT 5067

(n,n') Continuum

50-Sn-126

Cross Section -100.0 To 2577. %



31

Incident Energy (eV)

50-Sn-126

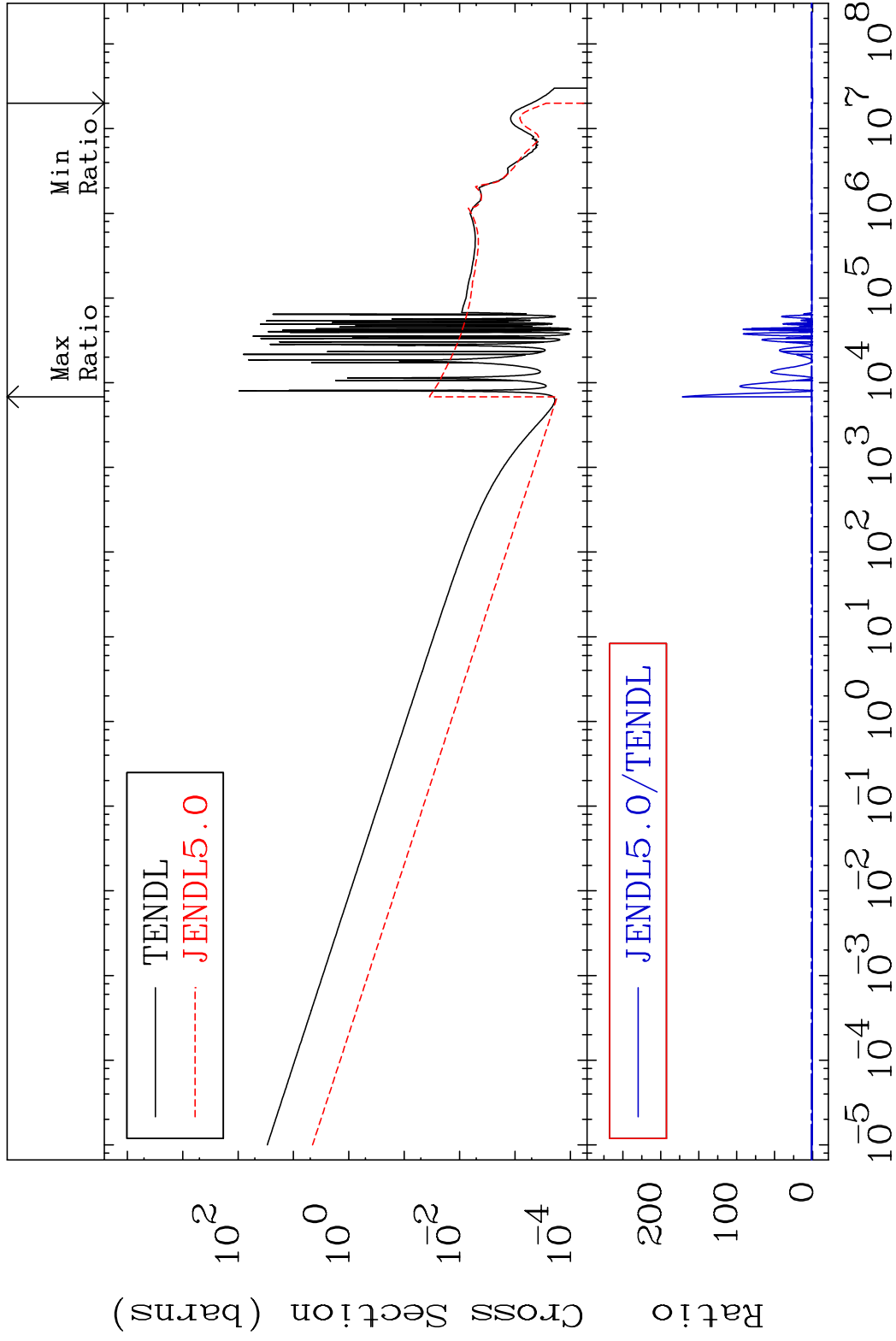


MAT 5067

(n,  $\gamma$ )

50-Sn-126

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

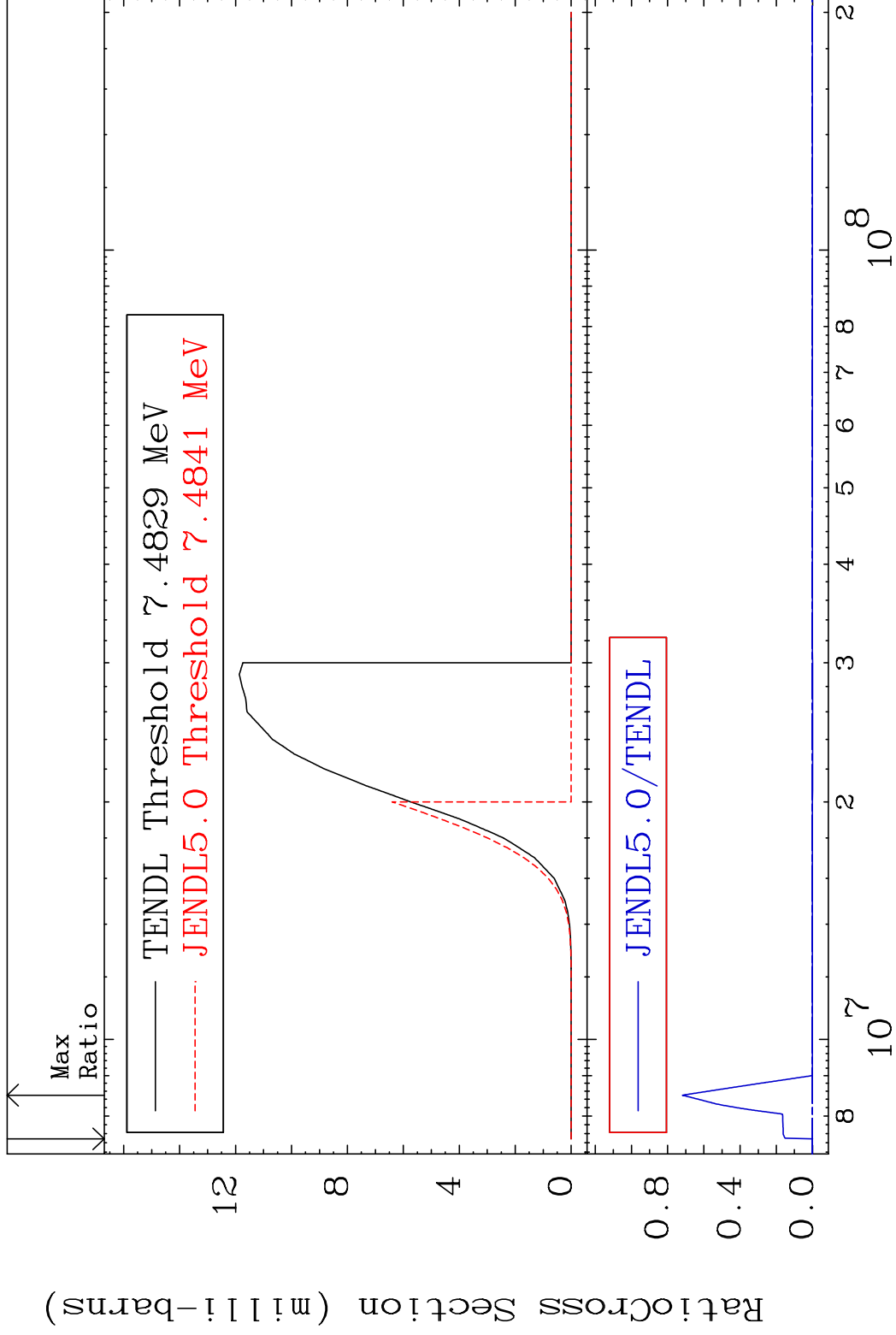
50-Sn-126

MAT 5067

(n,p)

50-Sn-126

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

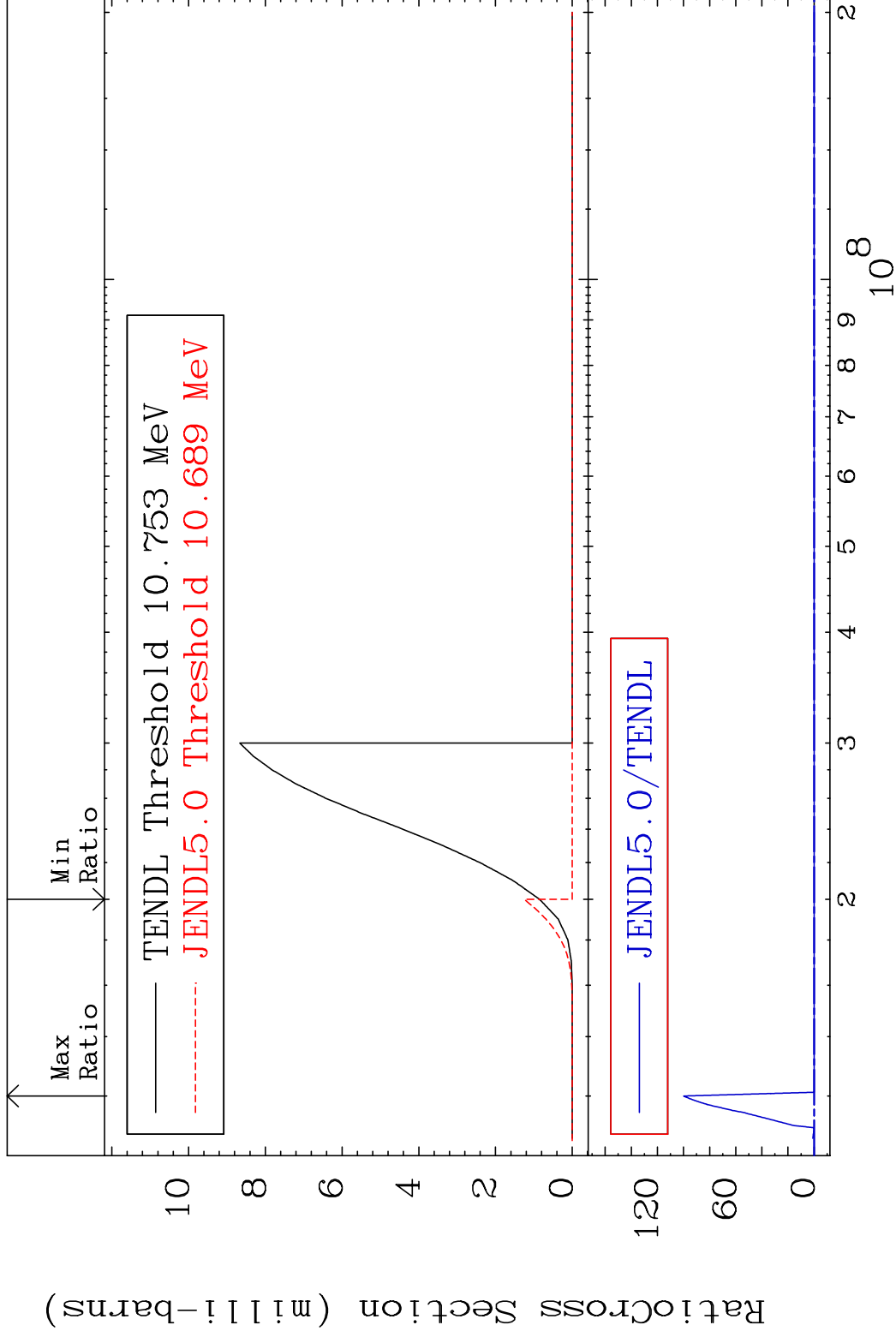
50-Sn-126

MAT 5067

(n,d)

50-Sn-126

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

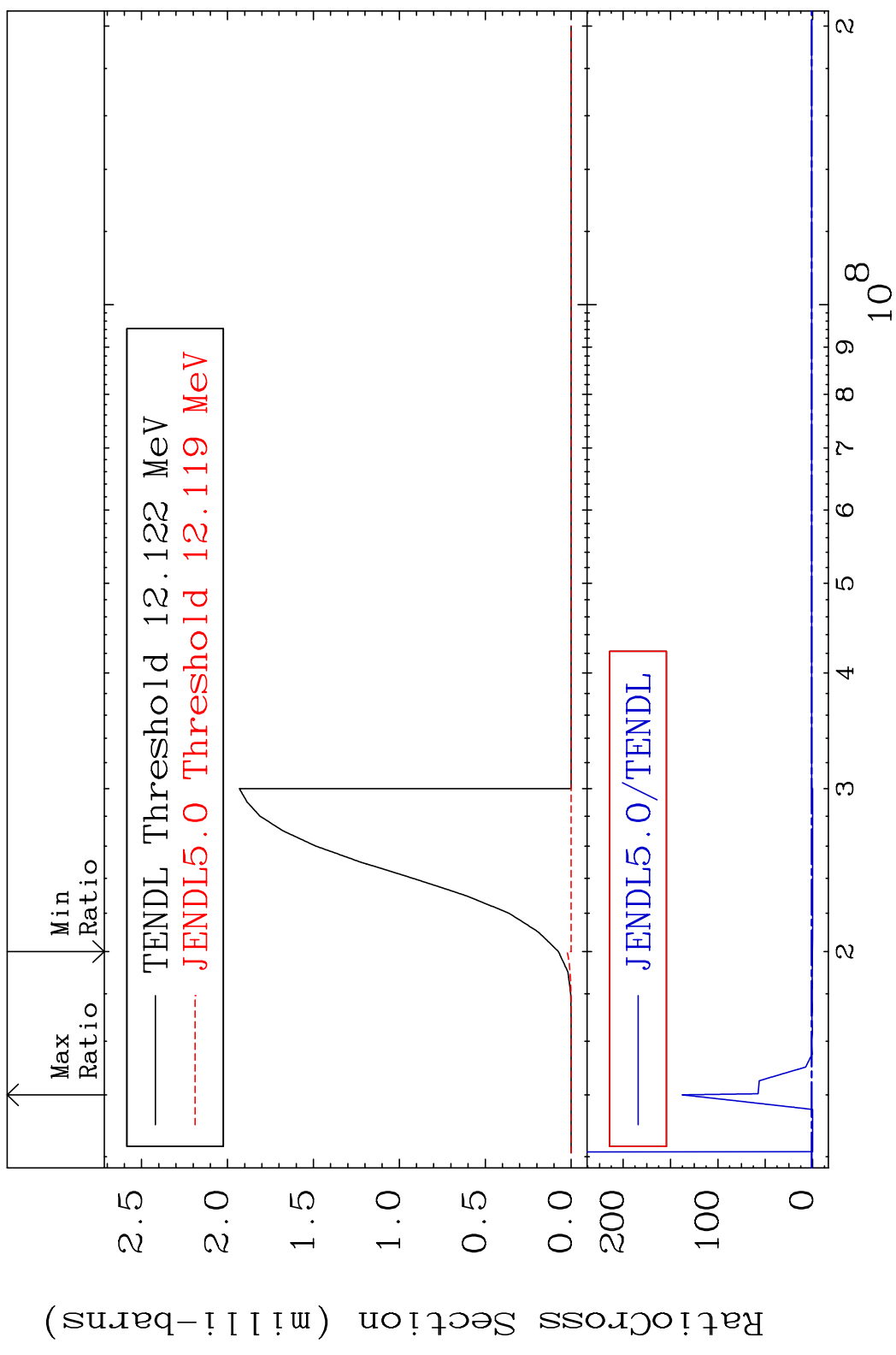
50-Sn-126

MAT 5067

(n, t)

50-Sn-126

Cross Section -100.0 To 9999. %

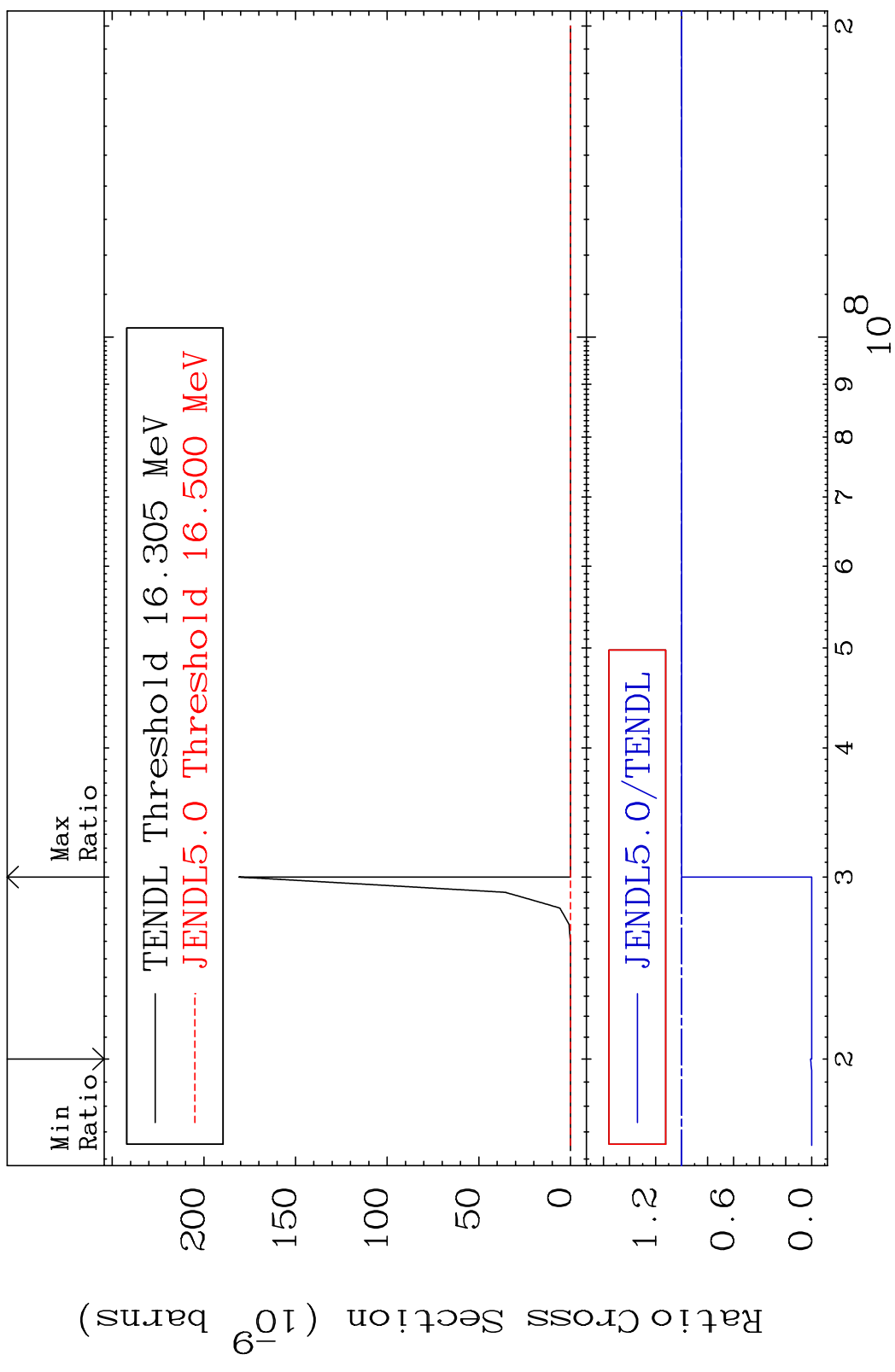


MAT 5067

(n, He-3)

50-Sn-126

Cross Section -100.0 To 0.000 %

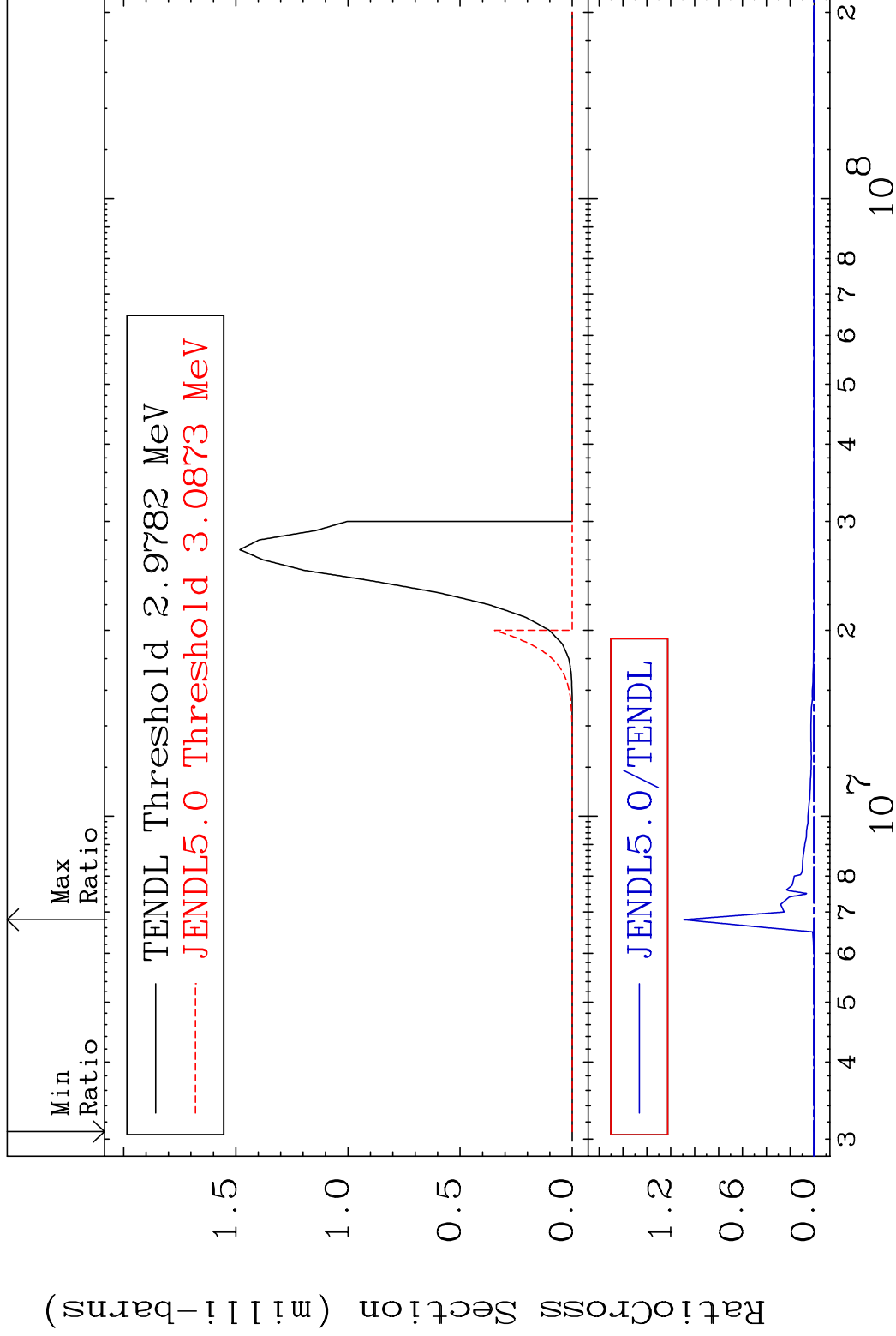


MAT 5067

(n,  $\alpha$ )

50-Sn-126

Cross Section -100.0 To 9999. %

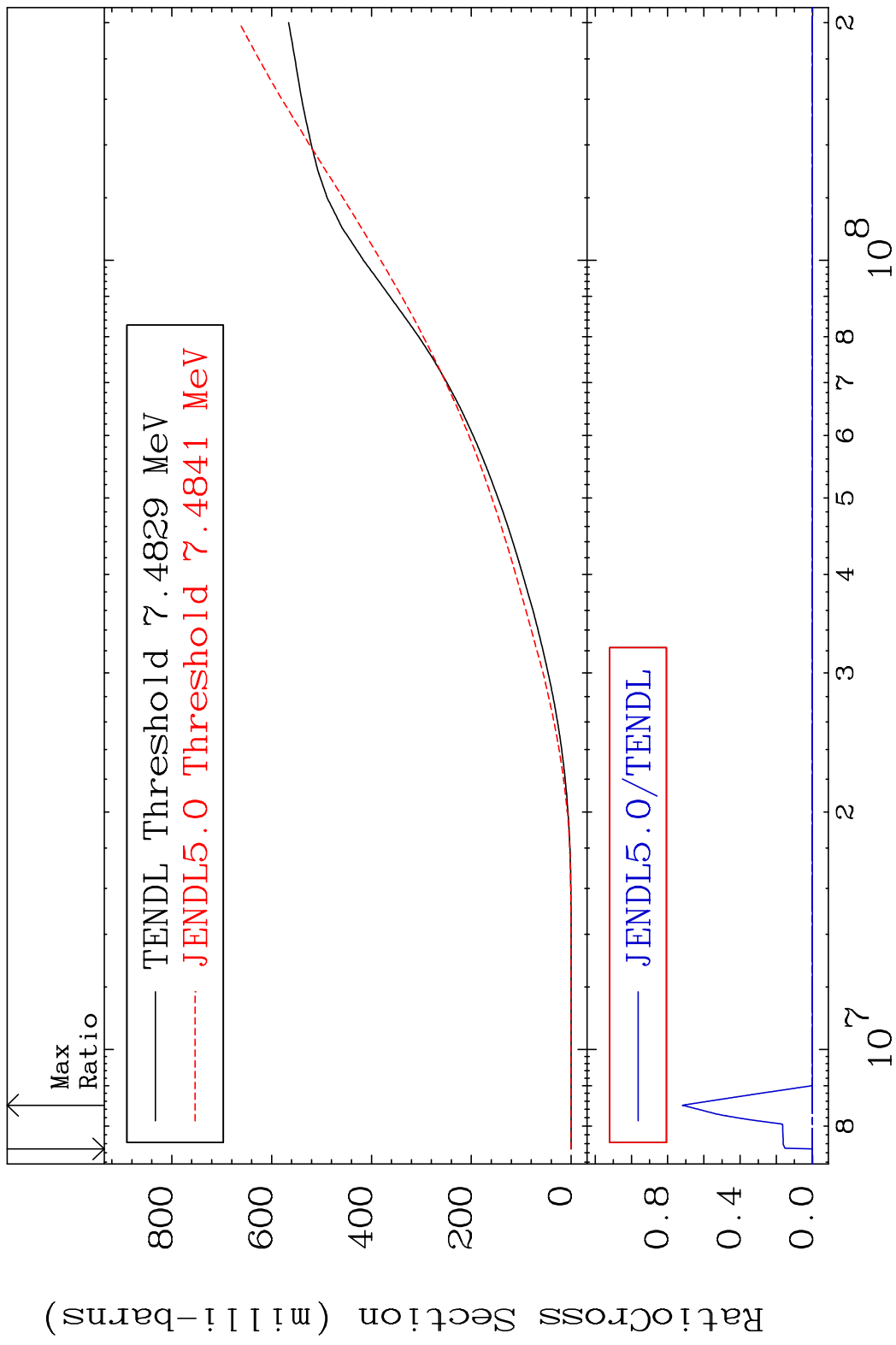


37

Incident Energy (eV)

50-Sn-126

MAT 5067 Hydrogen Production 50-Sn-126  
 Cross Section -100.0 To 9999. %

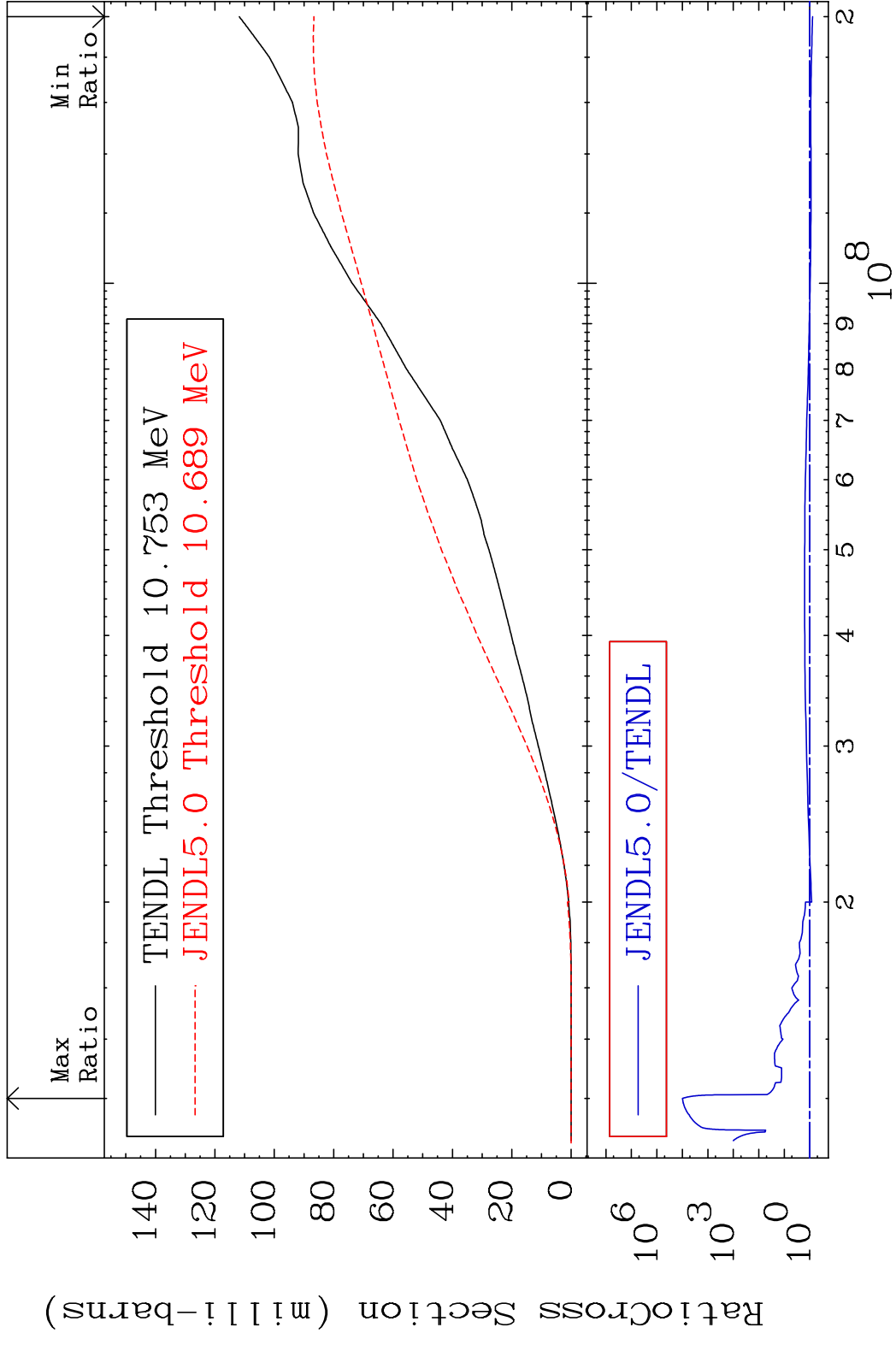


MAT 5067

Deuterium Production

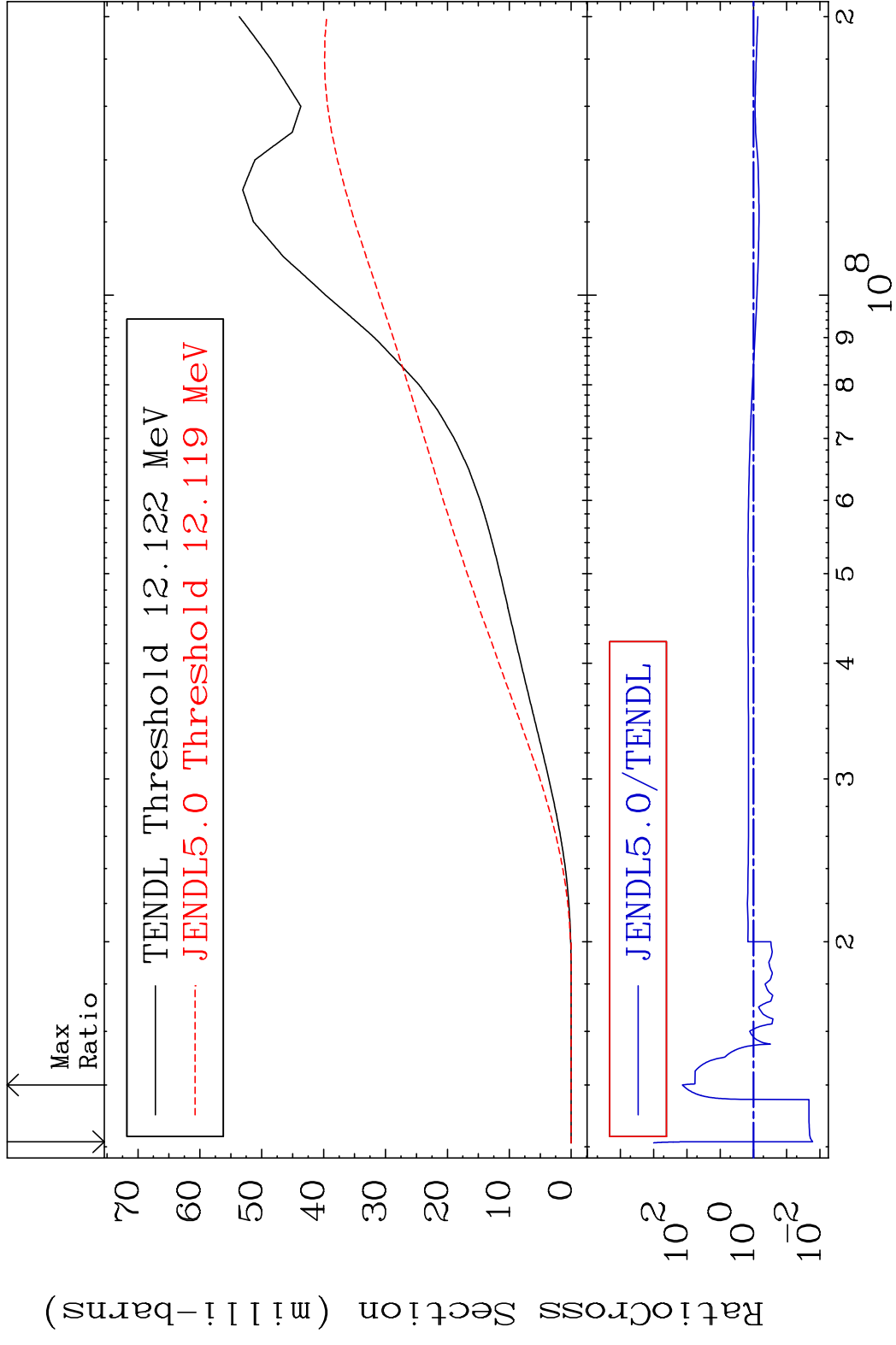
50-Sn-126

Cross Section -22.49 To 9999. %





MAT 5067 Tritium Production 50-Sn-126  
 Cross Section -98.33 To 9999. %



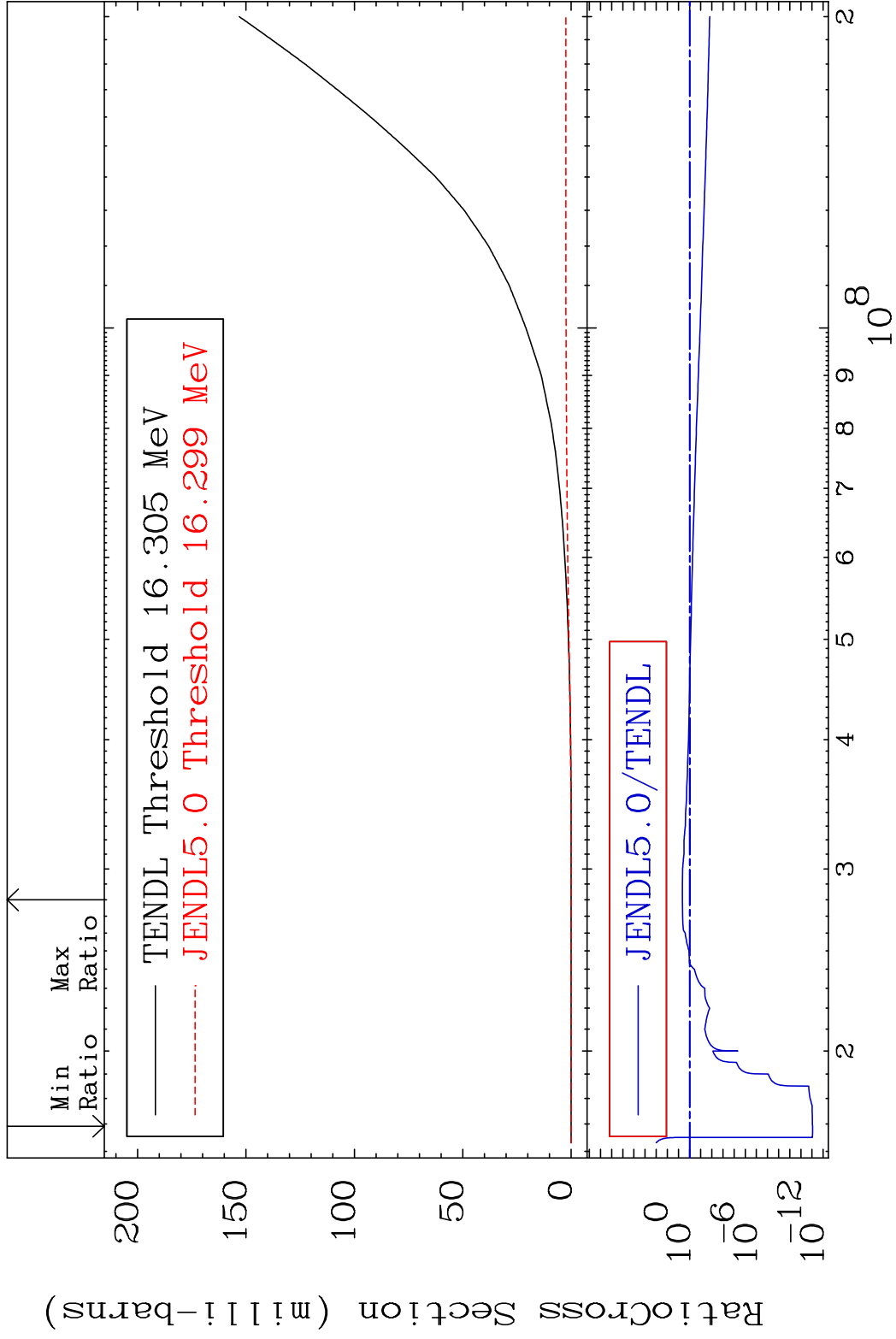
40 Incident Energy (eV) 50-Sn-126

MAT 5067

He-3 Production

50-Sn-126

Cross Section -100.0 To 345.4 %

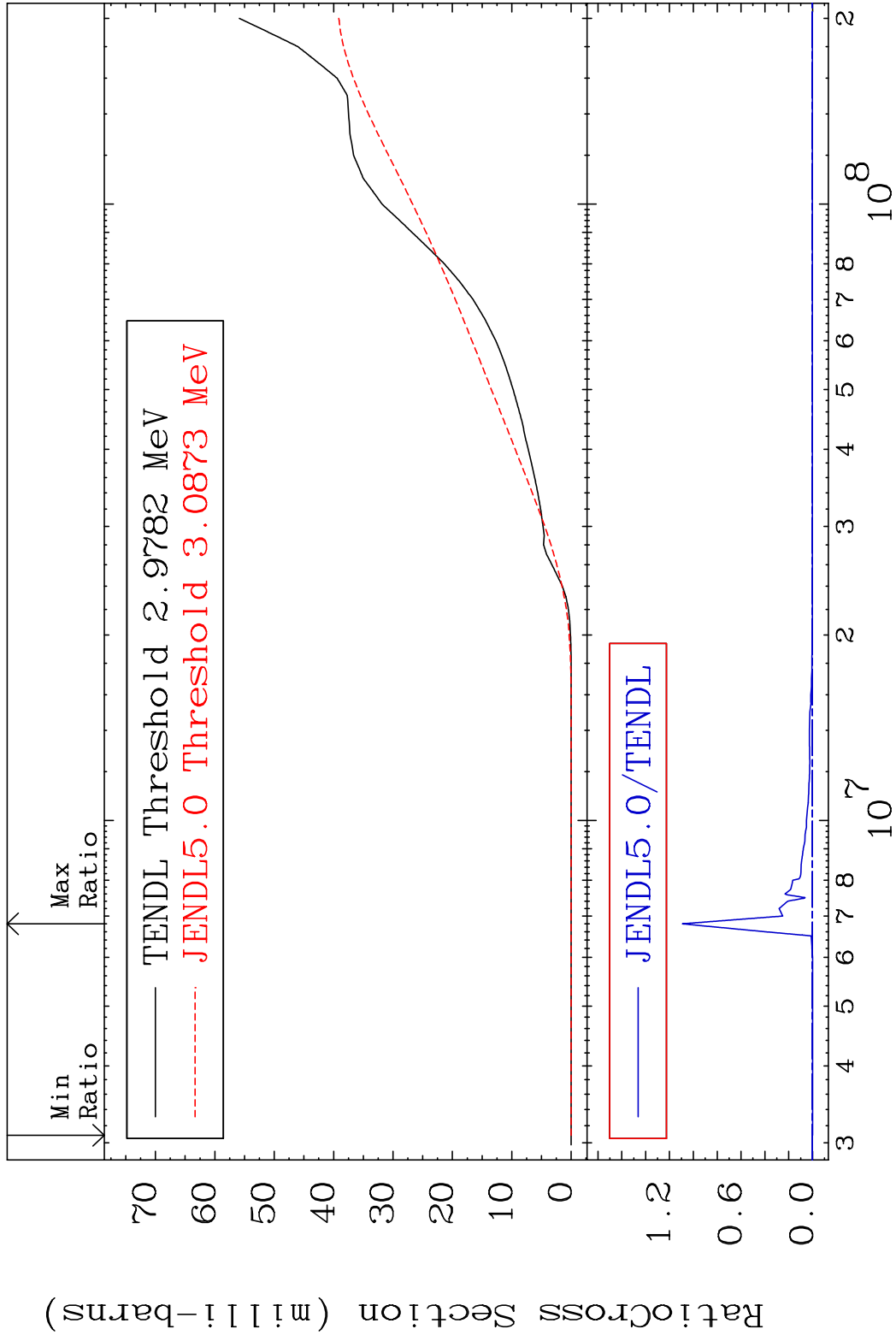


MAT 5067

He-4 Production

50-Sn-126

Cross Section -100.0 To 9999. %

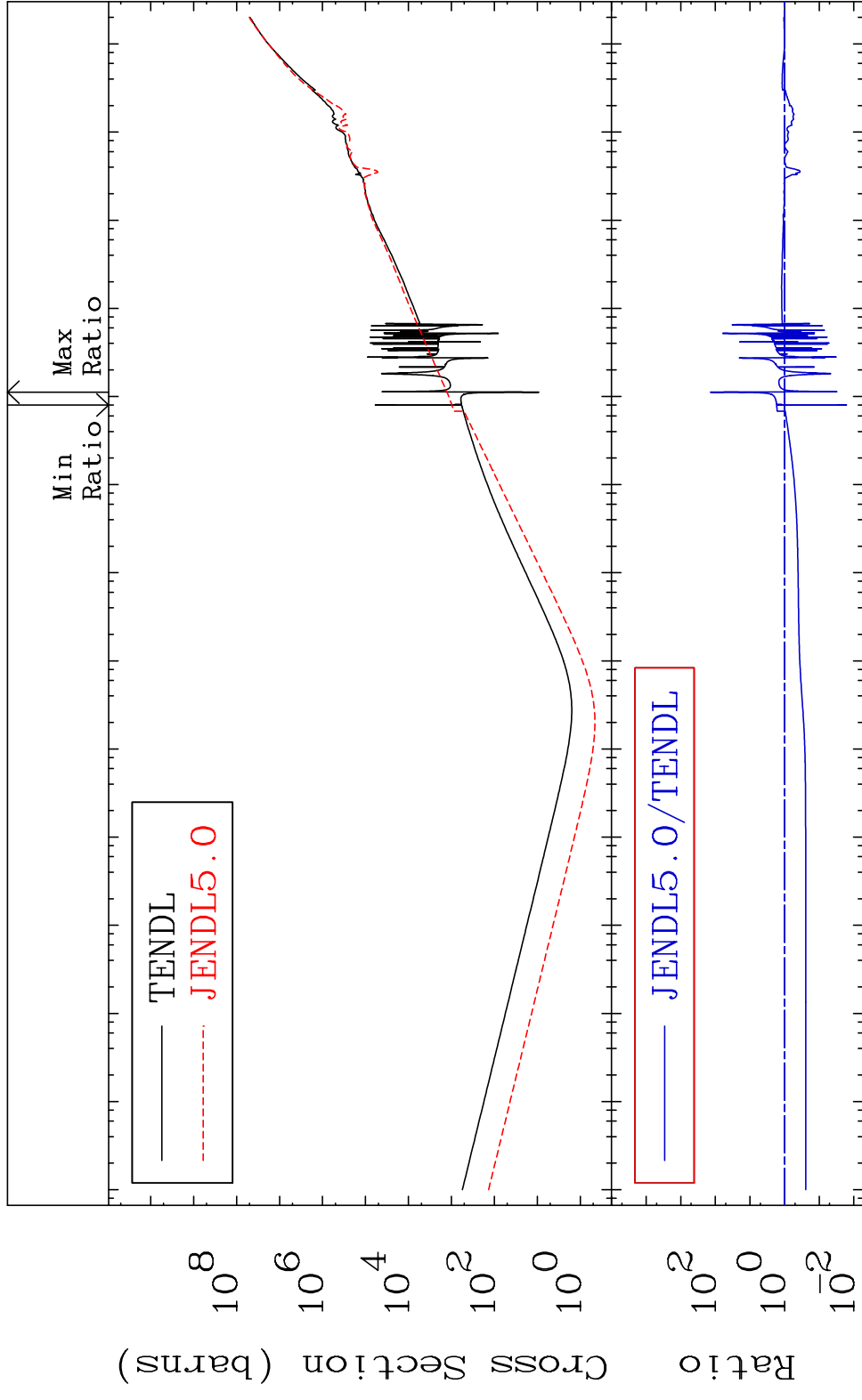


42

Incident Energy (eV)

50-Sn-126

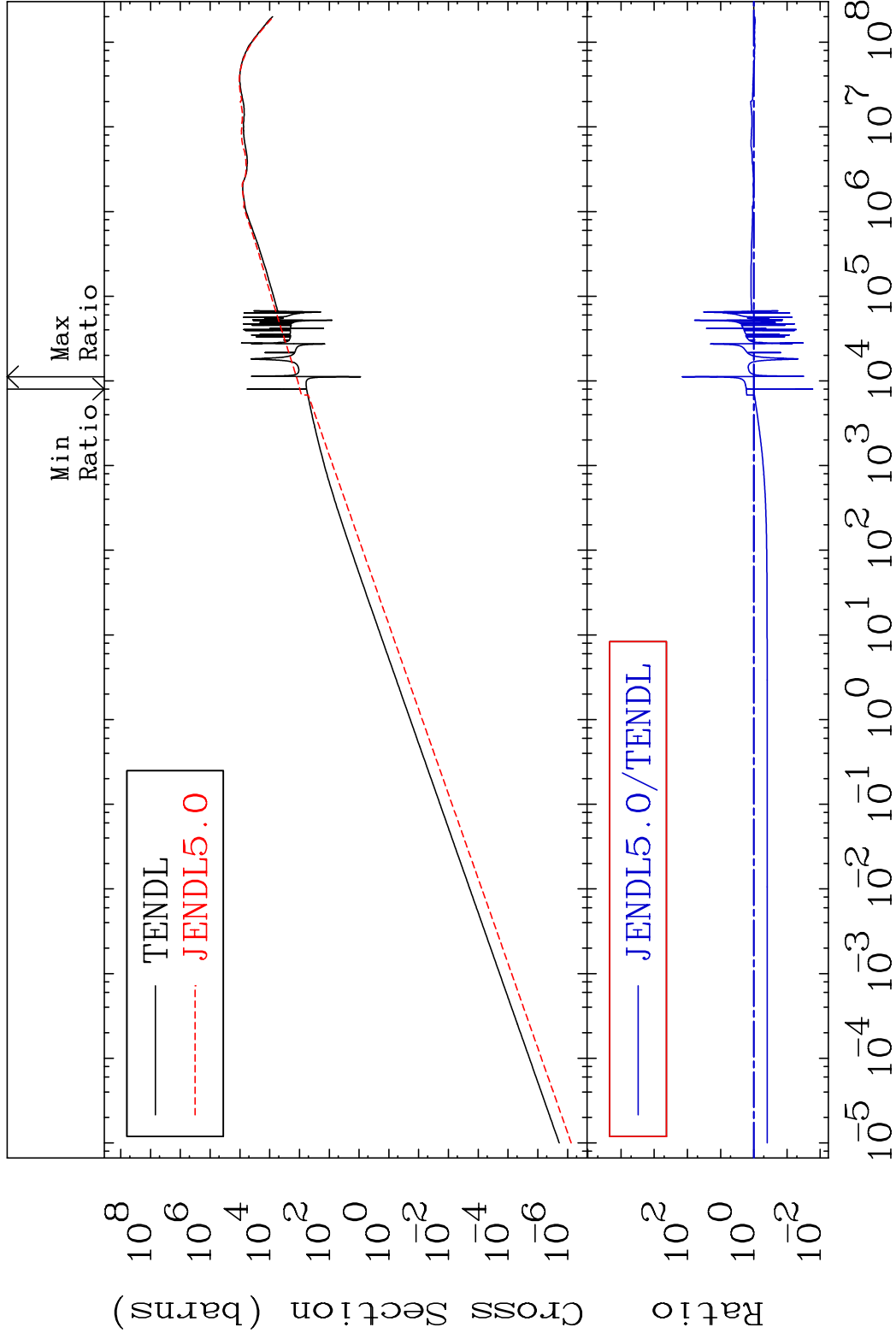
MAT 5067 Kerma total (eV-barns) 50-Sn-126  
 Cross Section -98.35 To 9999. %



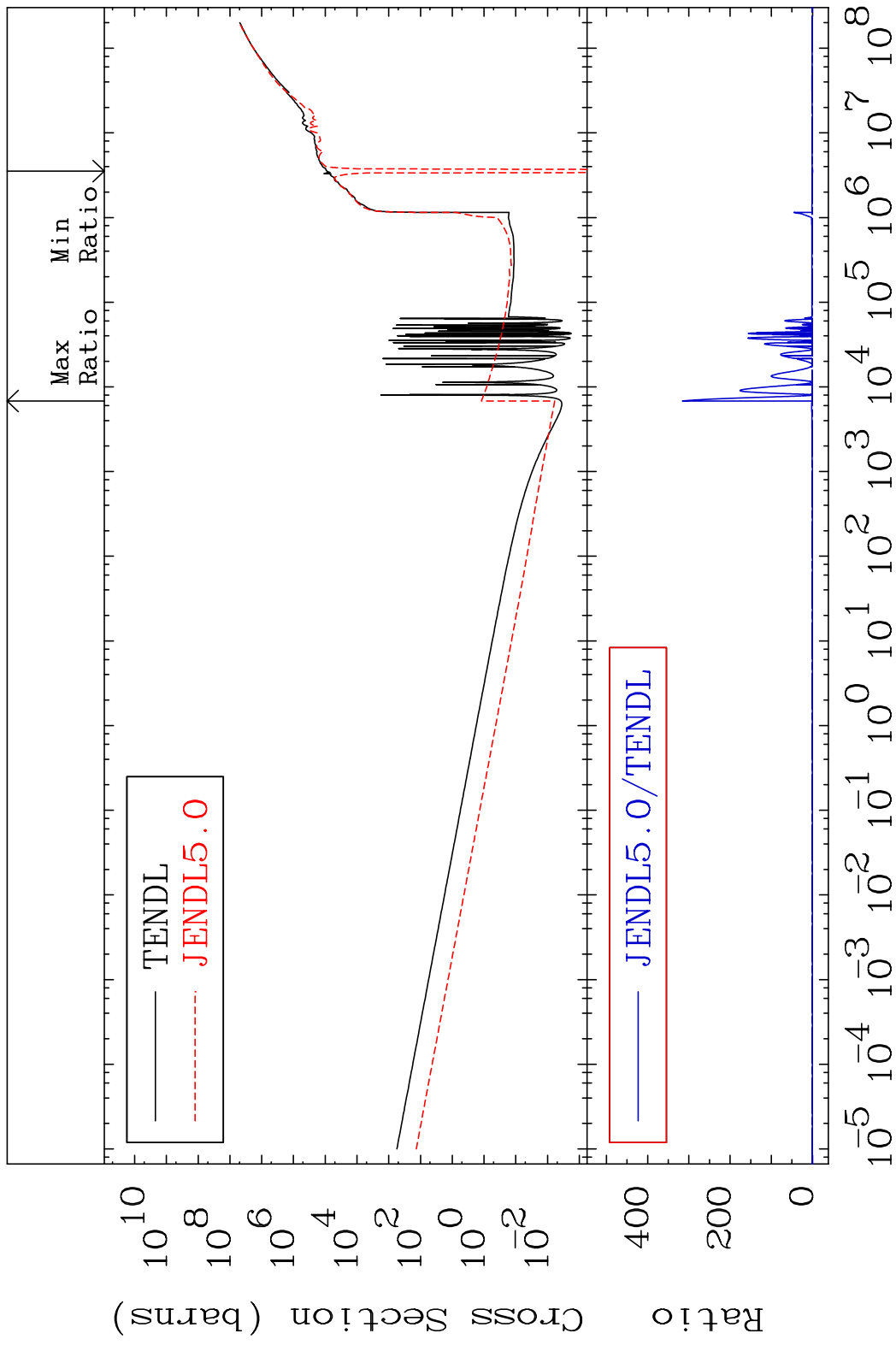
MAT 5067

Kerma elastic  
Cross Section

50-Sn-126  
-98.30 To 9999. %

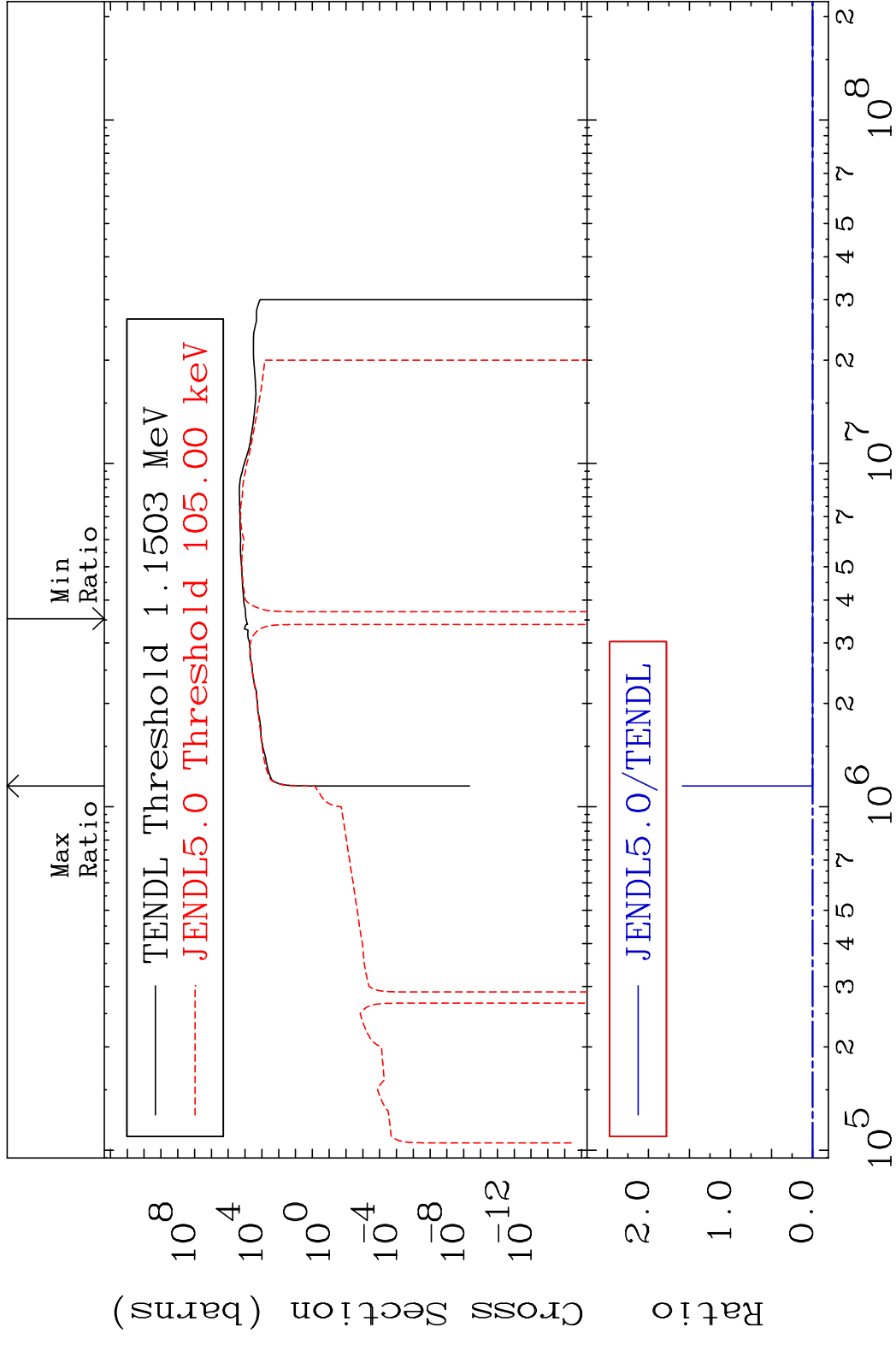


MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126  
 Cross Section -111.3 To 9999. %



MAT 5067

Kerma inelastic (mt51-91) 50-Sn-126  
Cross Section -111.3 To 9999. %

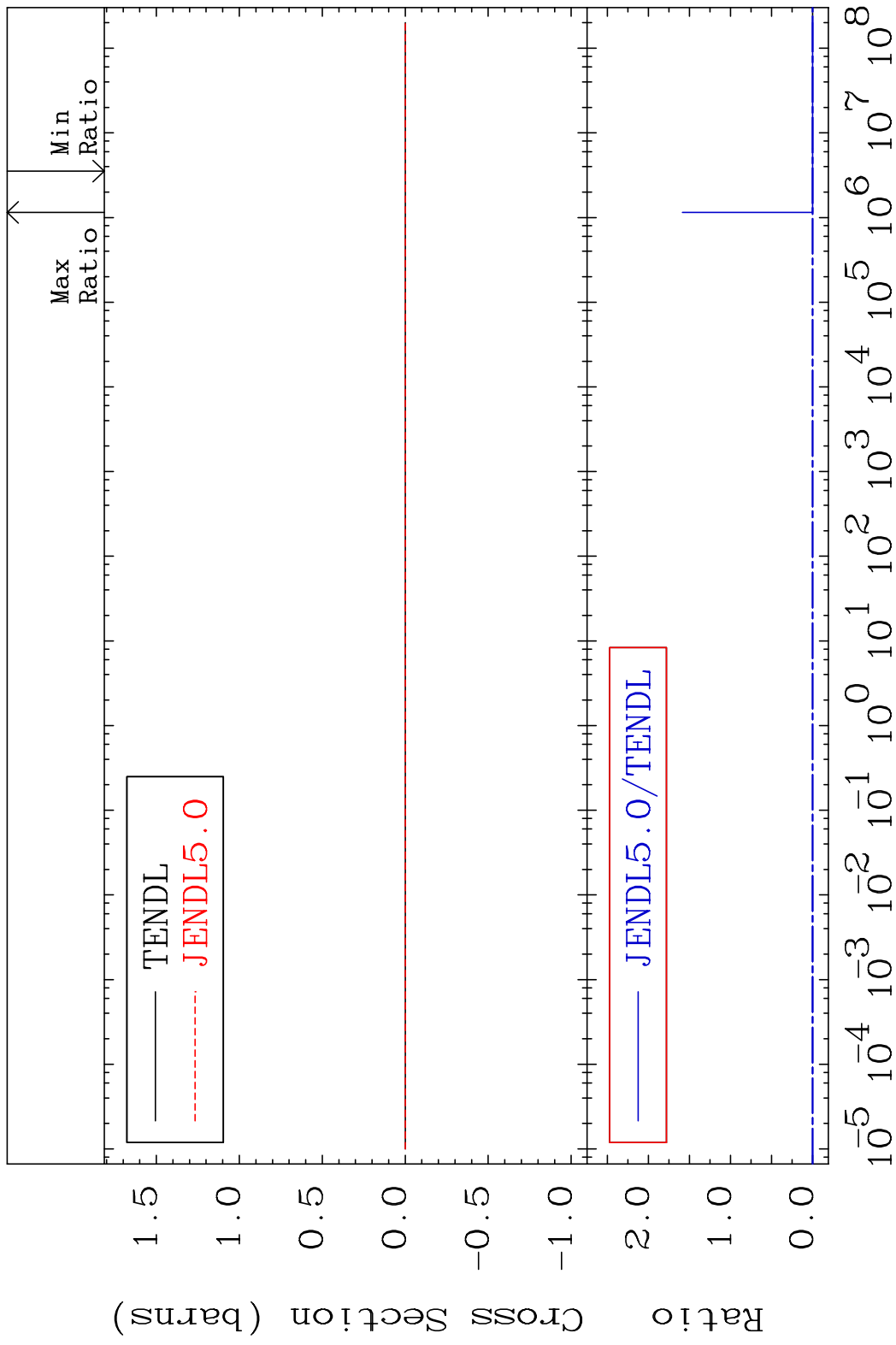


46

Incident Energy (eV)

50-Sn-126

MAT 5067 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-126  
 Cross Section -111.3 To 9999. %

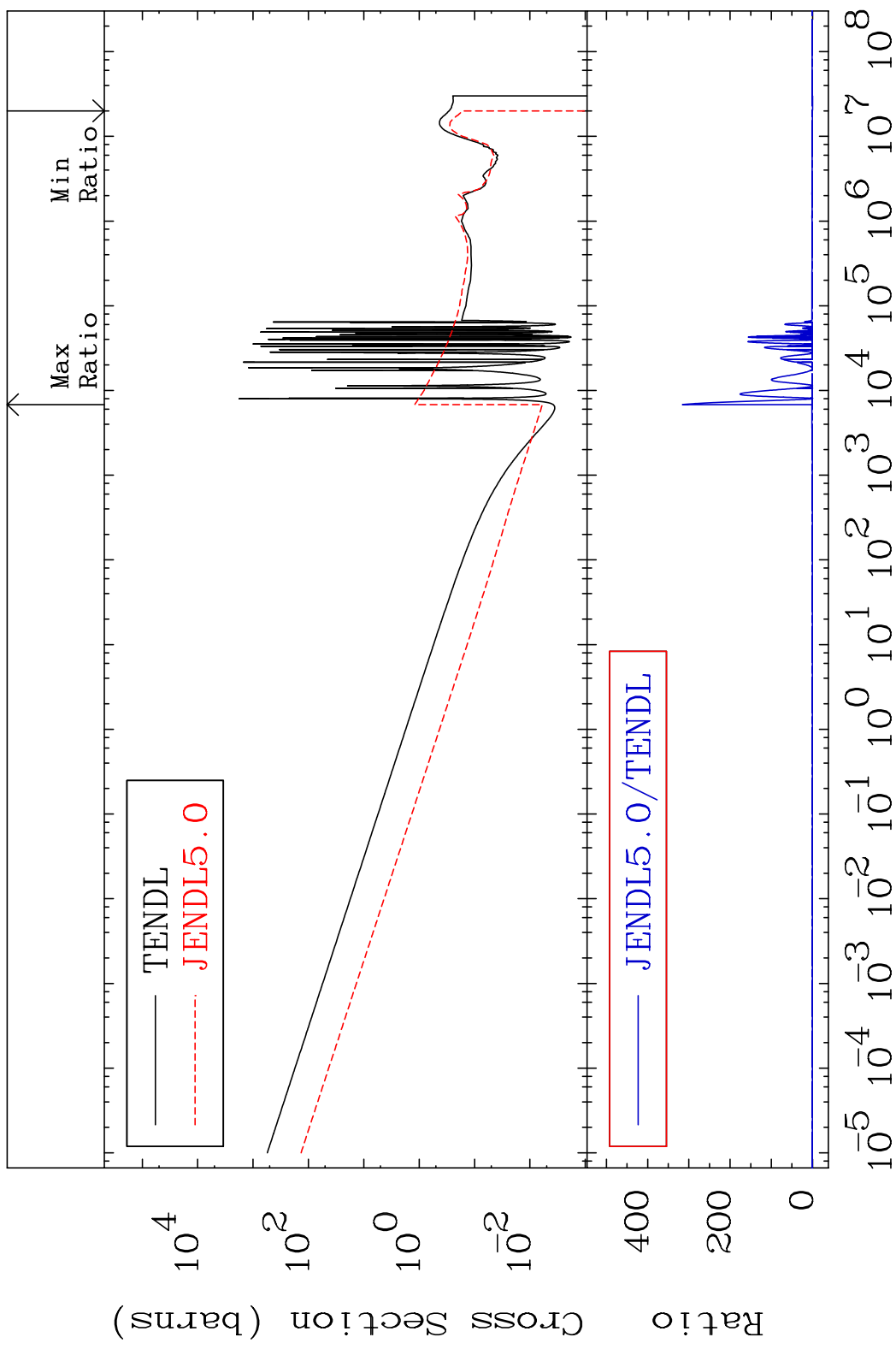




MAT 5067

Kerma capture (mt102) 50-Sn-126

Cross Section -100.0 To 9999. %

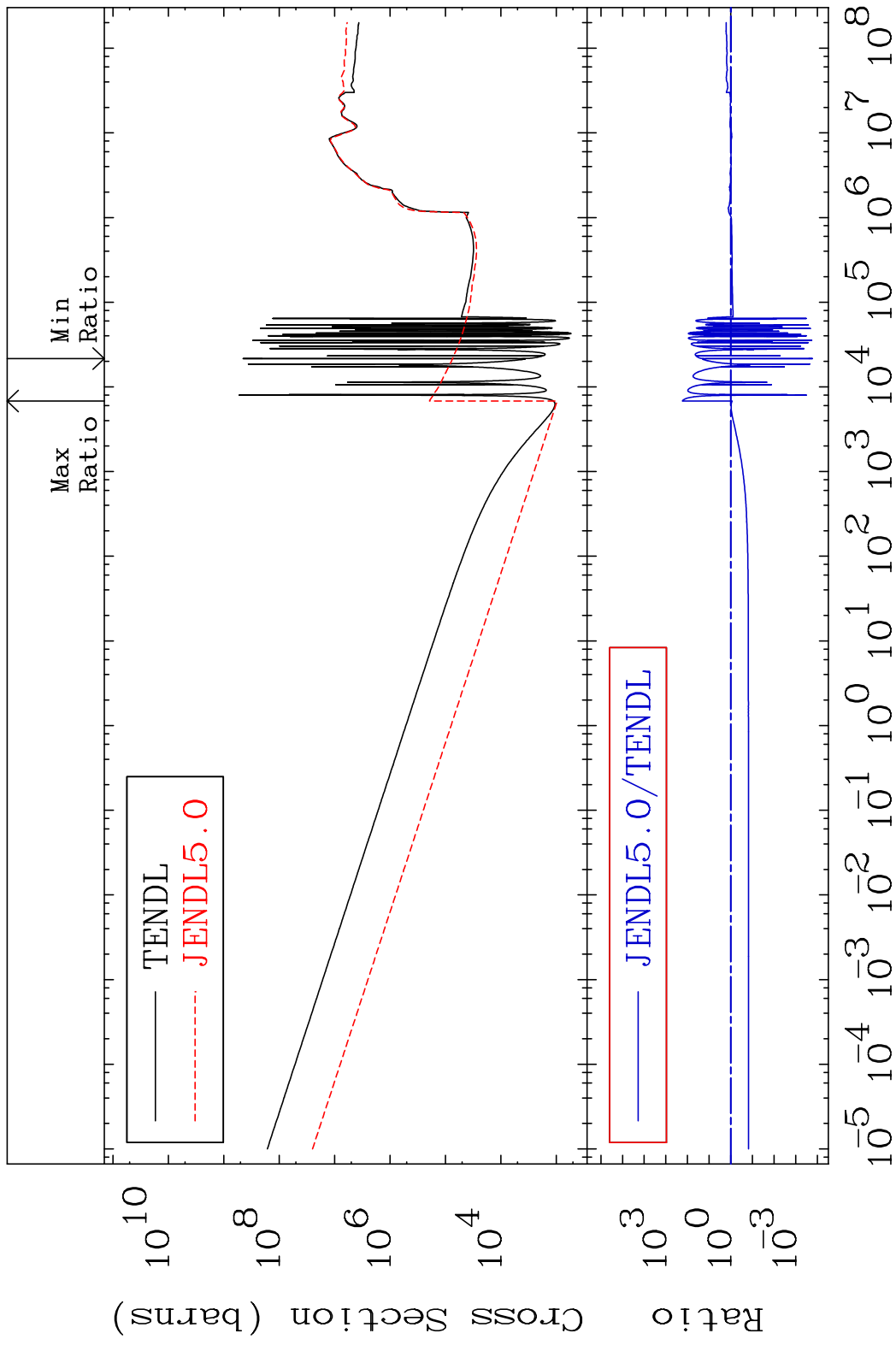


48

Incident Energy (eV)

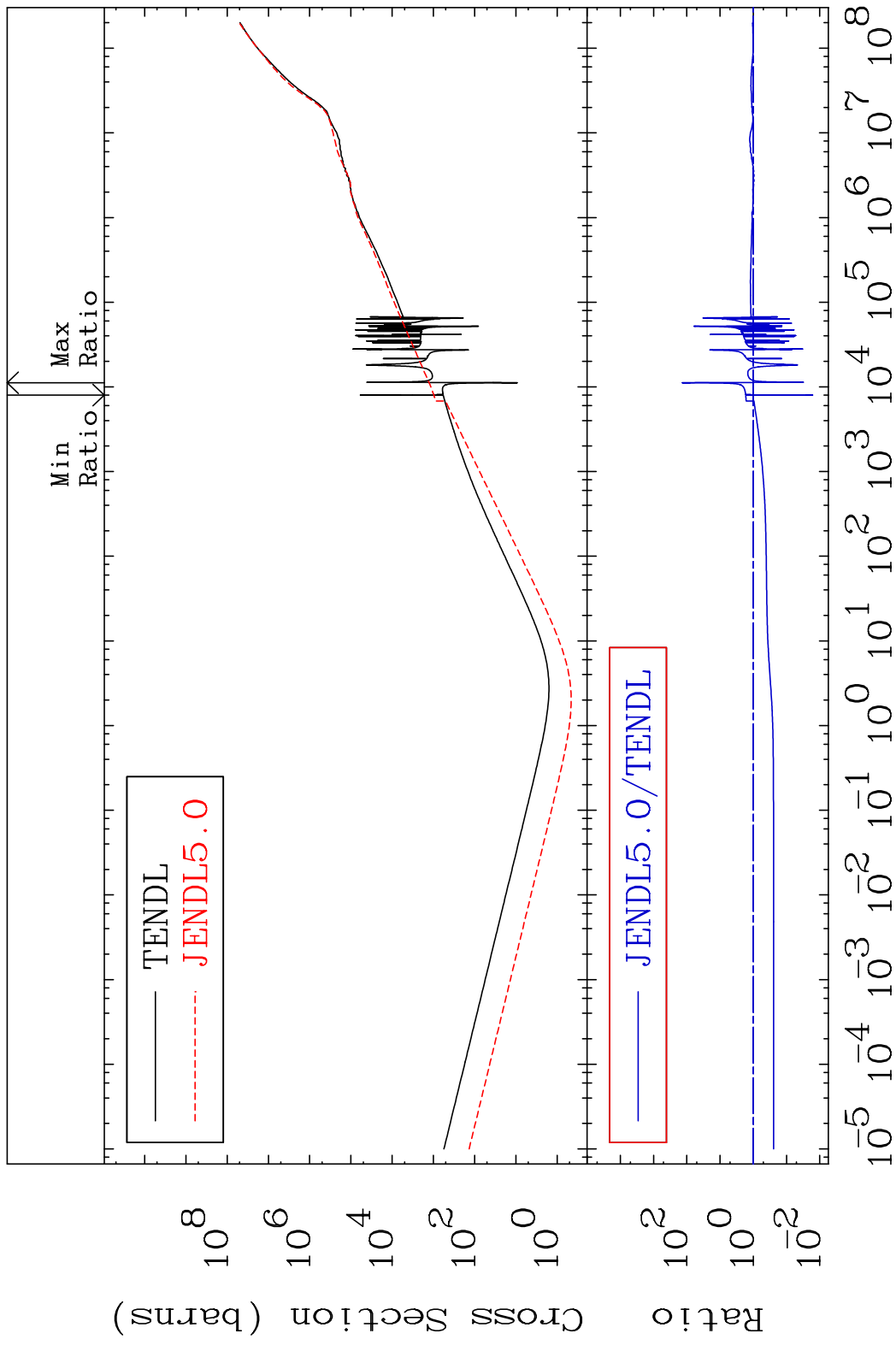
50-Sn-126

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

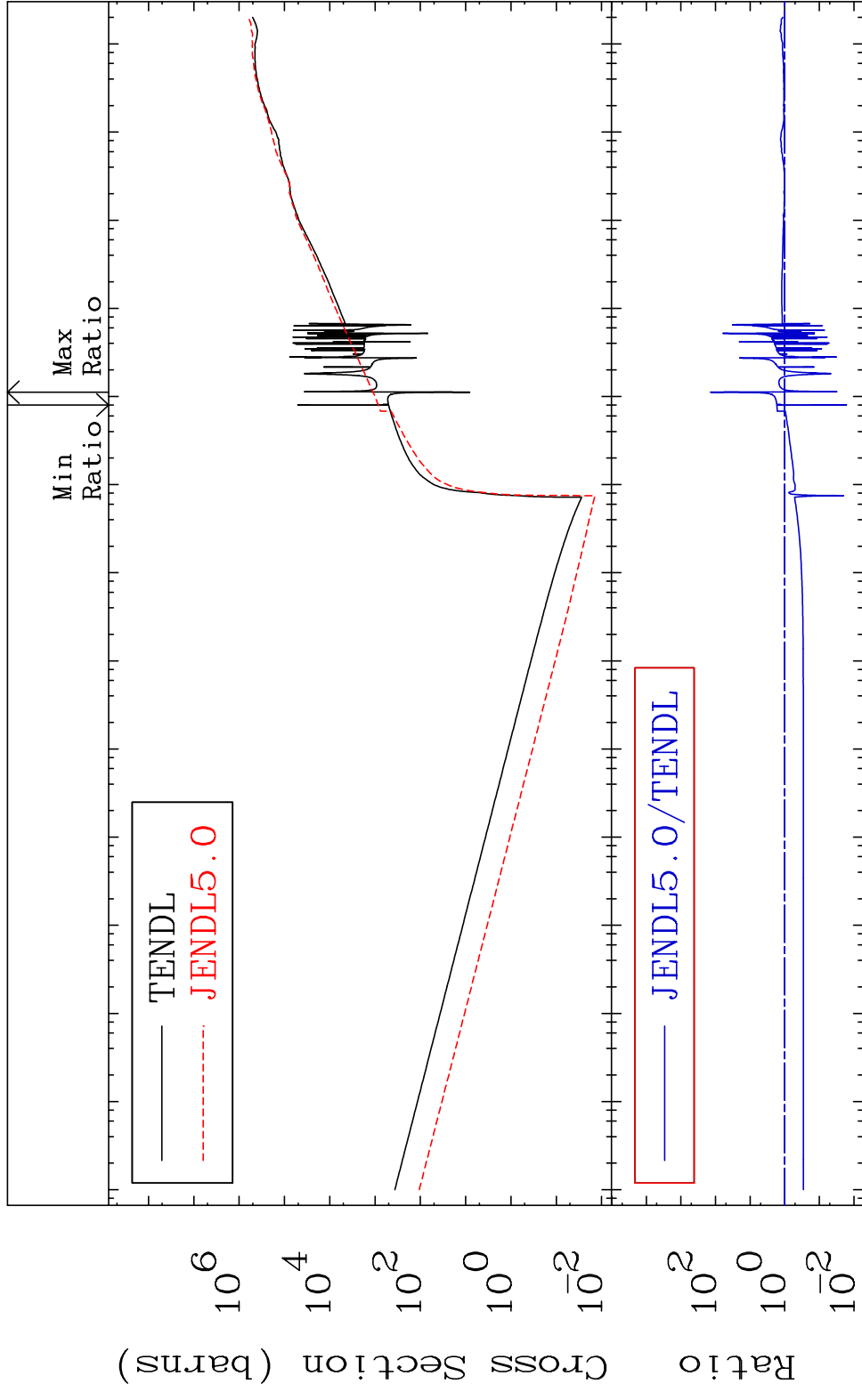


49 Incident Energy (eV) 50-Sn-126

MAT 5067 Total kinematic kerma (high limit) 50-Sn-126  
 Cross Section -98.35 To 9999. %



MAT 5067      Dpa total (eV-barns)      50-Sn-126  
 Cross Section      -98.34 To 9999. %



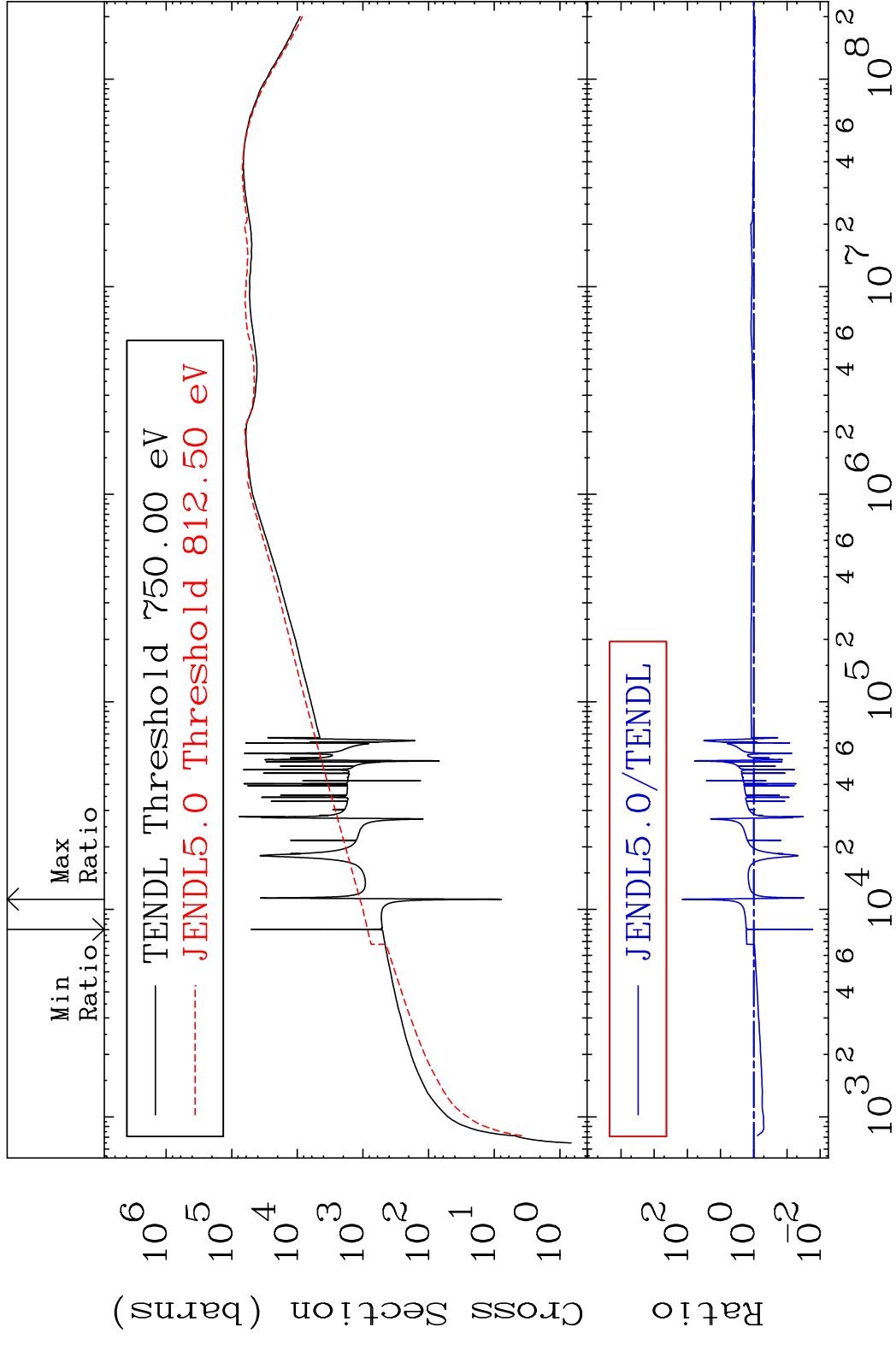
MAT 5067

Dpa elastic (mt2)

50-Sn-126

Cross Section

-98.31 To 9999. %

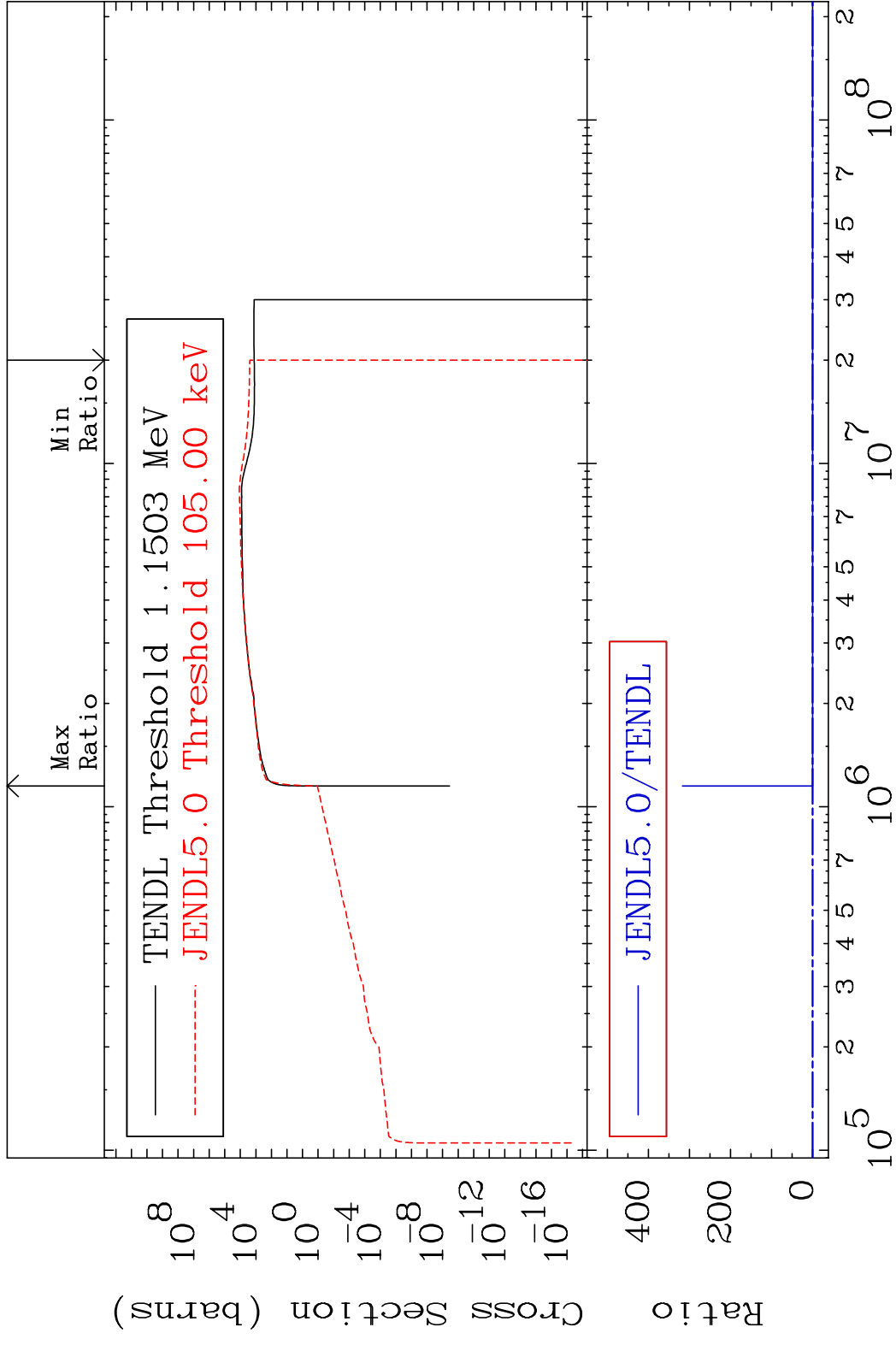


52

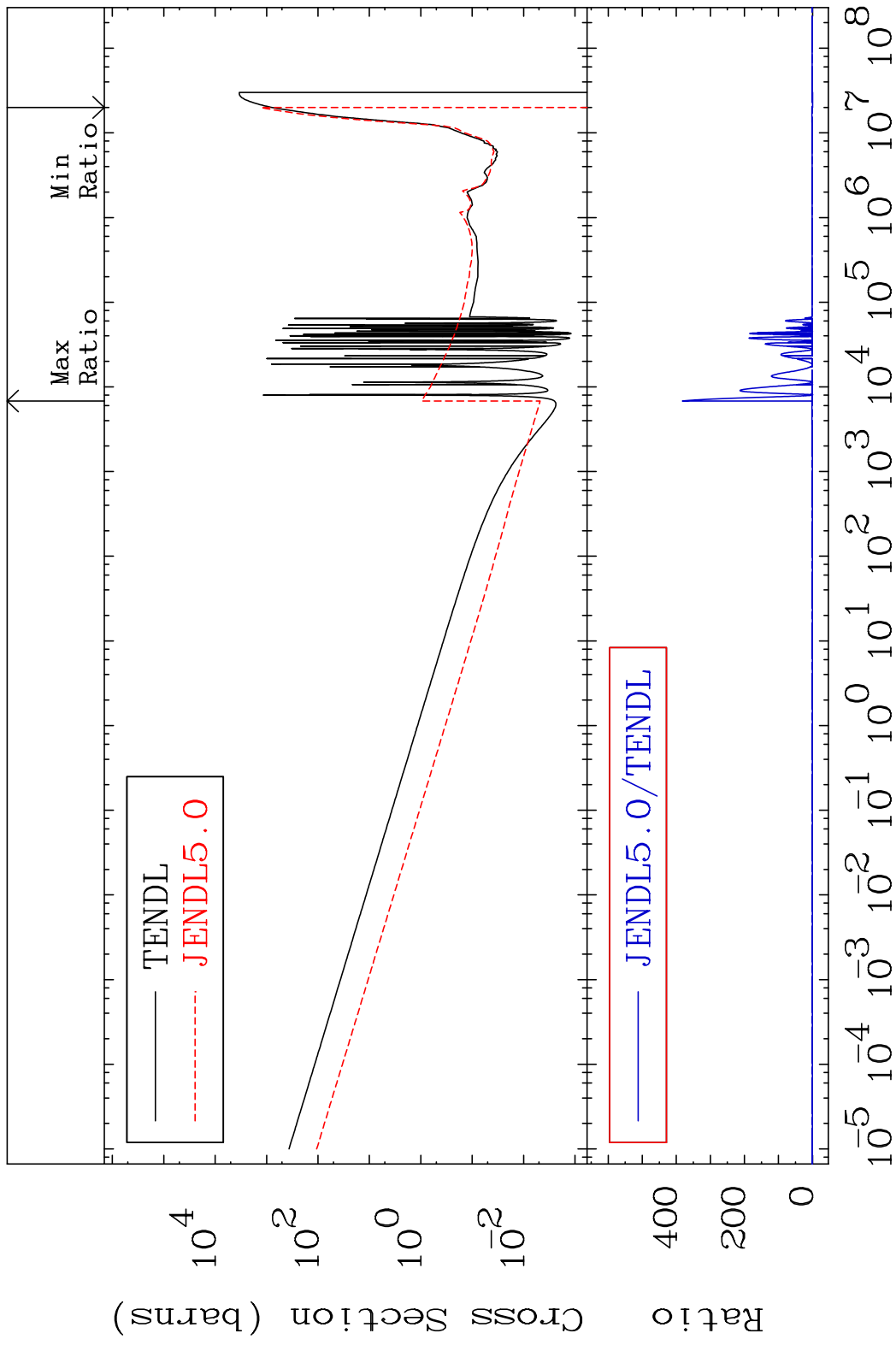
Incident Energy (eV)

50-Sn-126

MAT 5067 Dpa inelastic (mt51-91) 50-Sn-126  
 Cross Section -100.0 To 9999. %



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

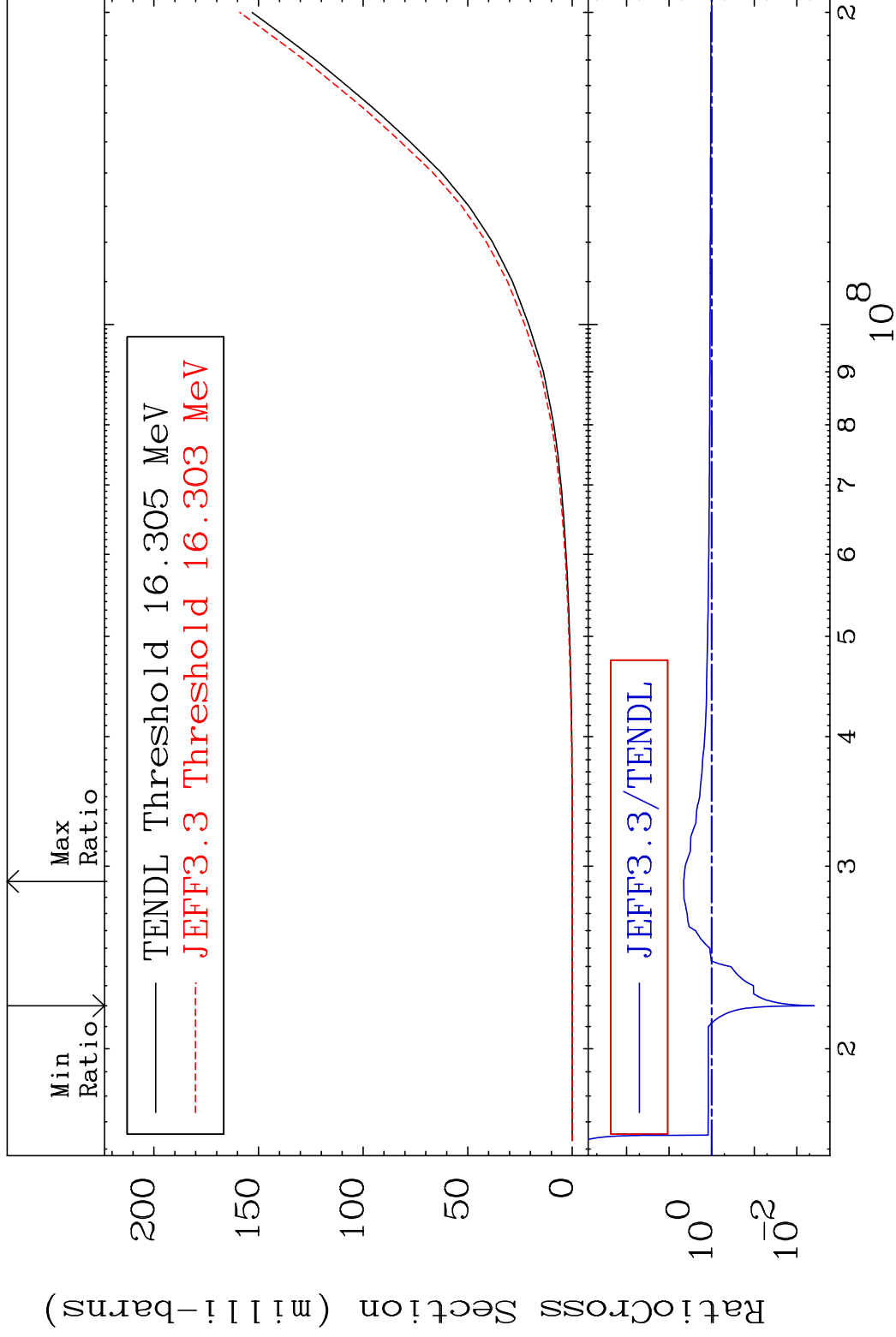


MAT 5067

He-3 Production

50-Sn-126

Cross Section -99.61 To 354.6 %



55

Incident Energy (eV)

50-Sn-126

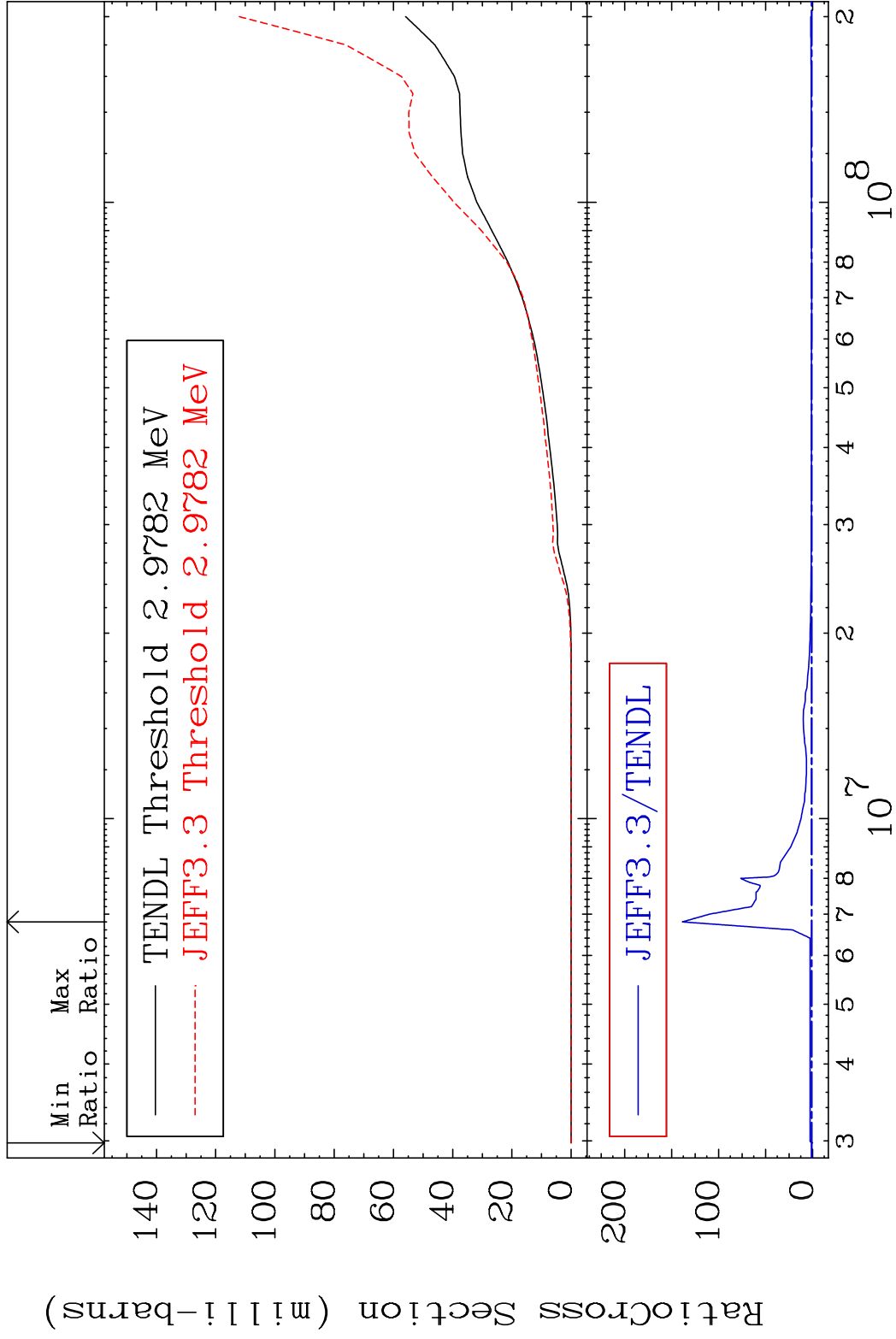


MAT 5067

He-4 Production

50-Sn-126

Cross Section -100.0 To 9999. %

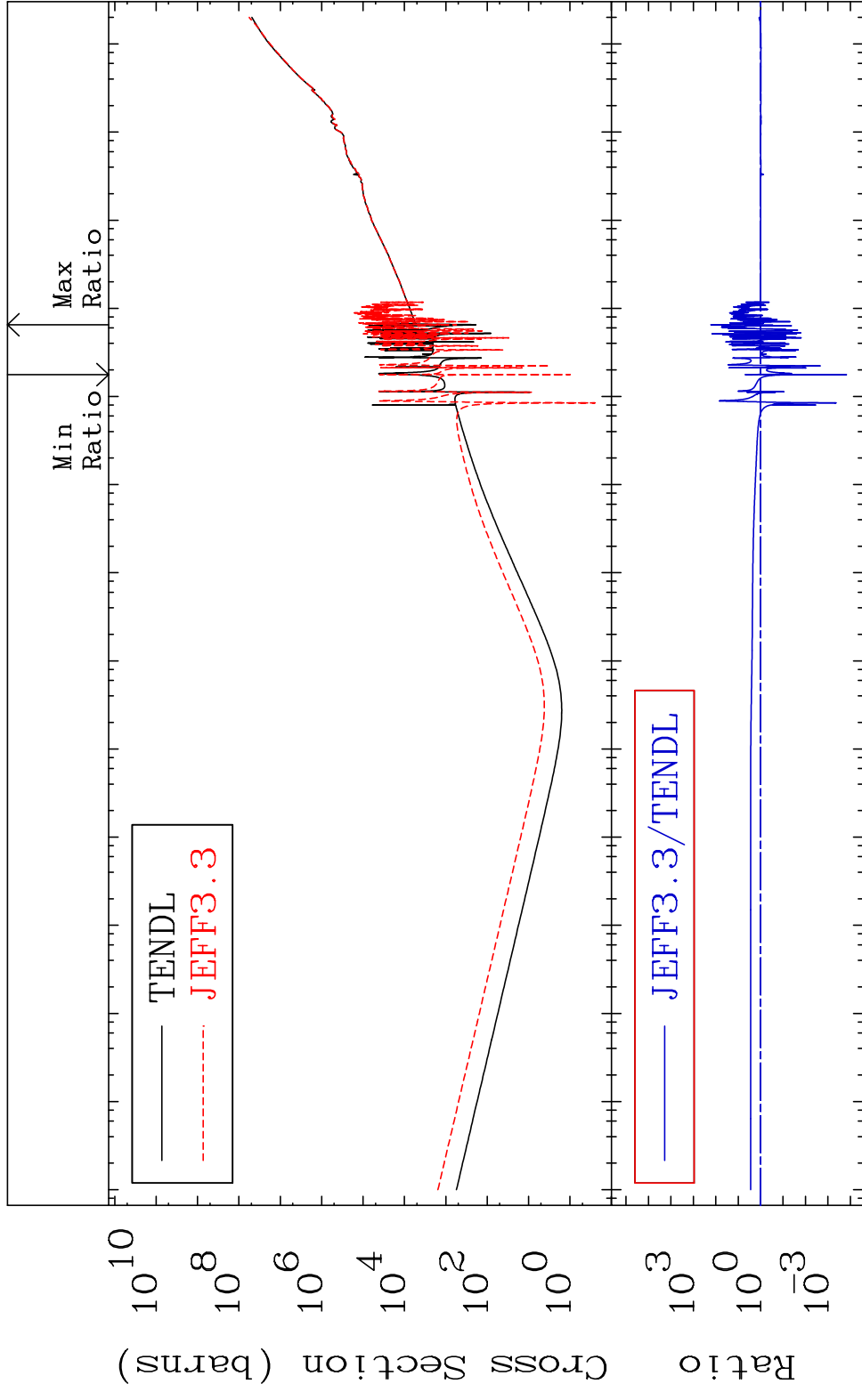


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Incident Energy (eV)

50-Sn-126

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

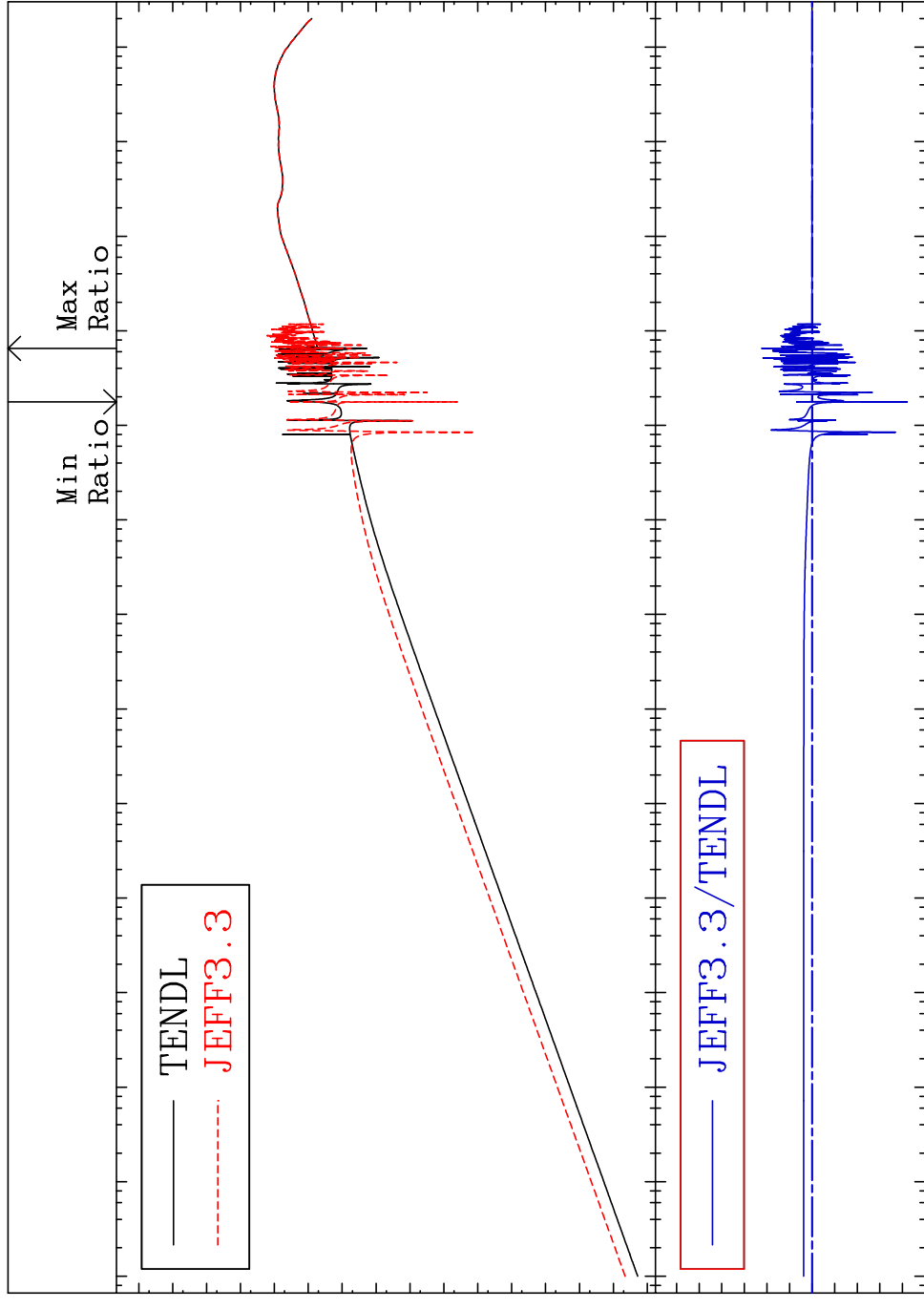


57 Incident Energy (eV) 50-Sn-126

MAT 5067

Kerma elastic  
Cross Section

50-Sn-126  
-99.99 To 9999. %

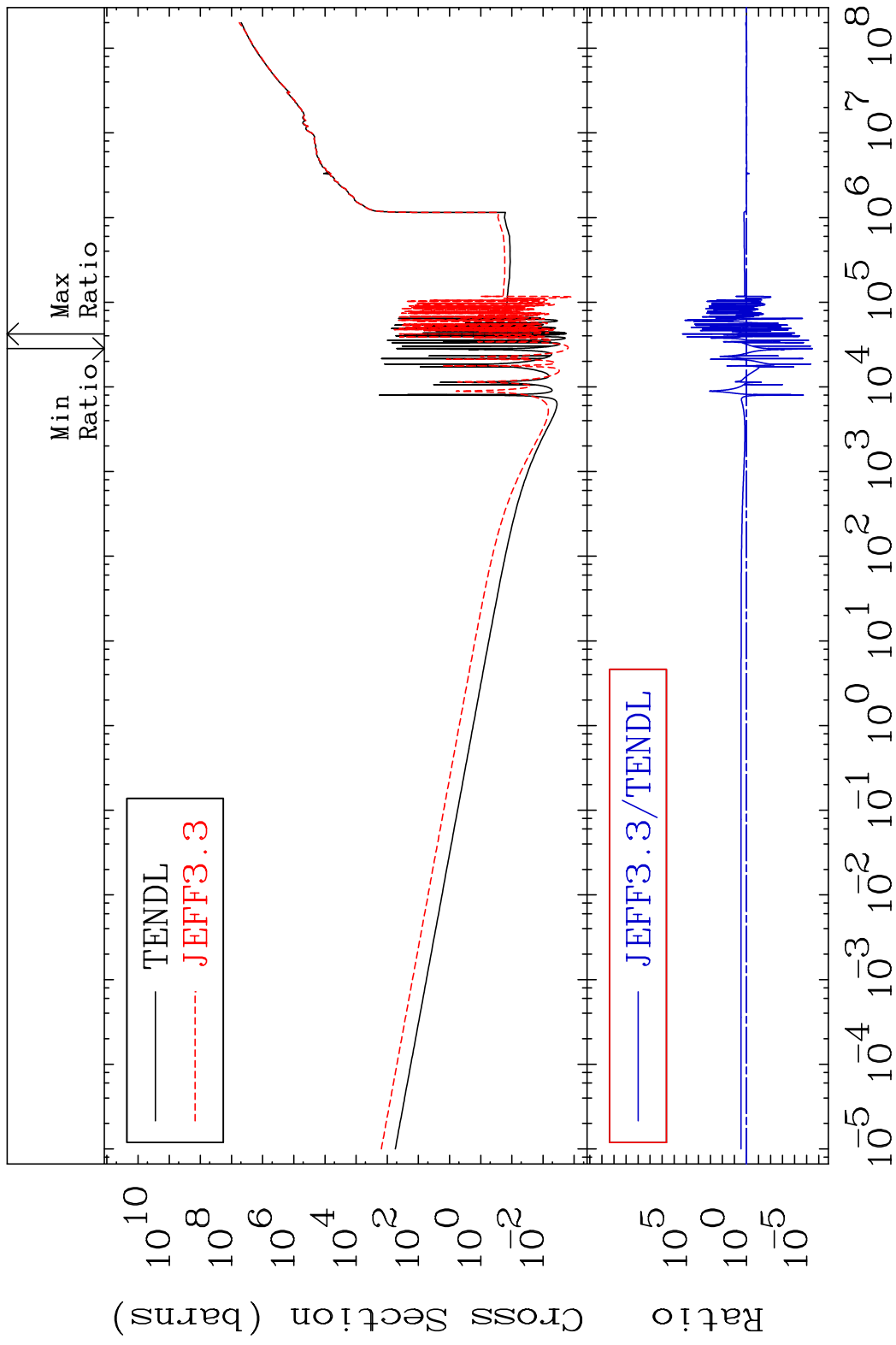


$10^8$   
 $10^6$   
 $10^4$   
 $10^2$   
 $10^0$   
 $10^{-2}$   
 $10^{-4}$   
 $10^{-6}$   
Cross Section (barns)

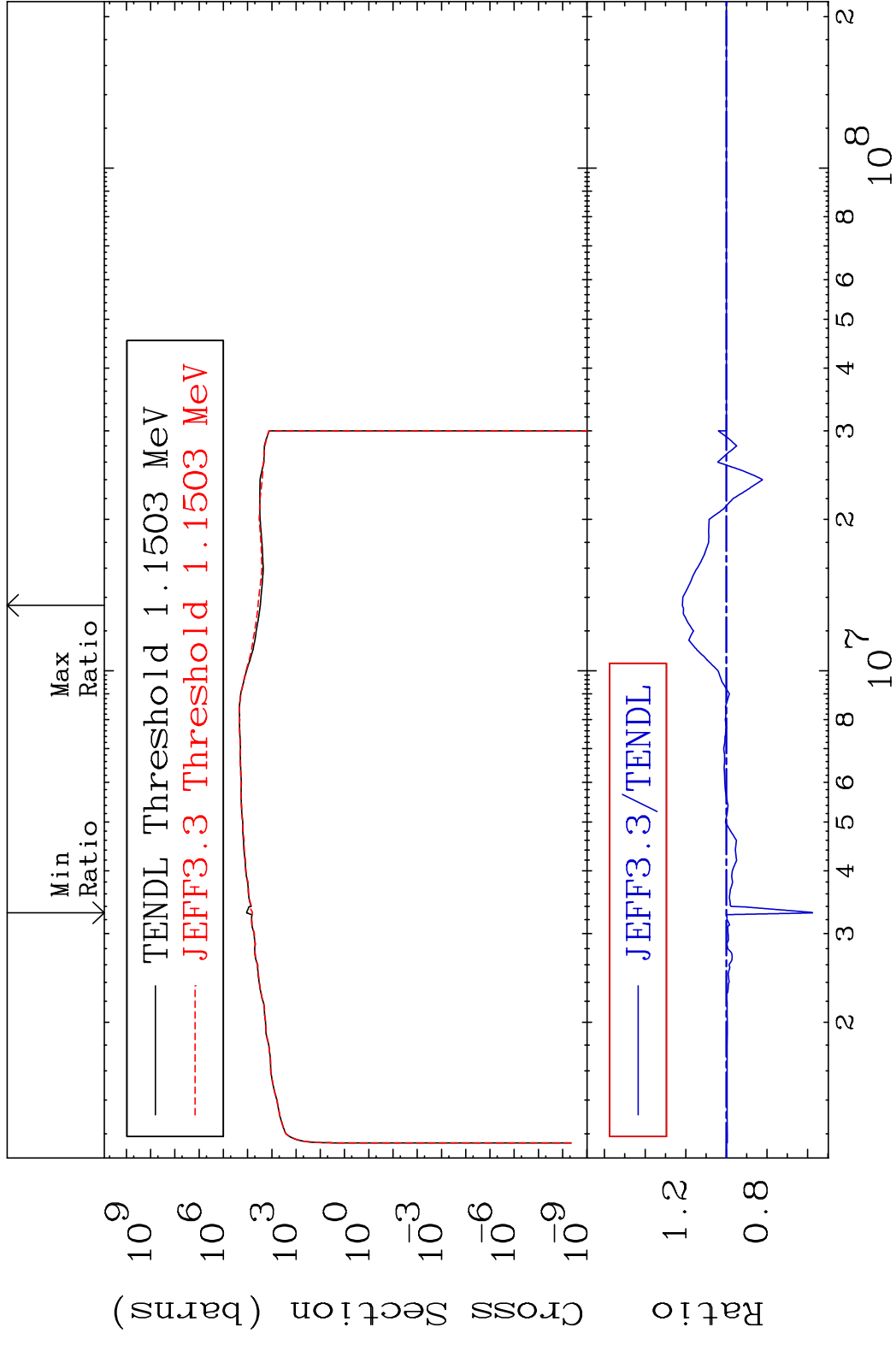
$10^3$   
 $10^0$   
 $10^{-3}$   
Ratio

$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$   
Incident Energy (eV)

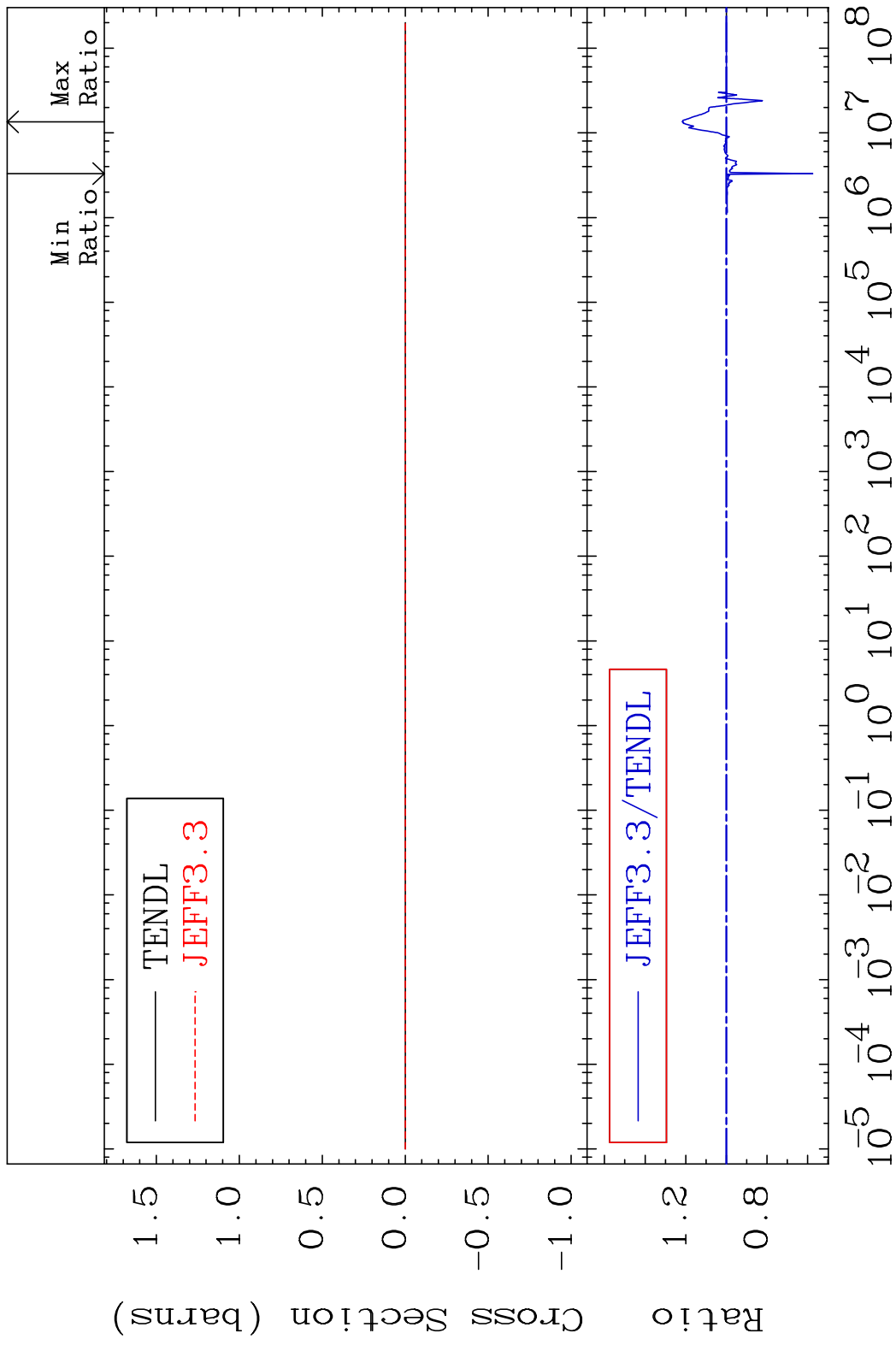
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126  
 Cross Section -100.0 To 9999. %



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

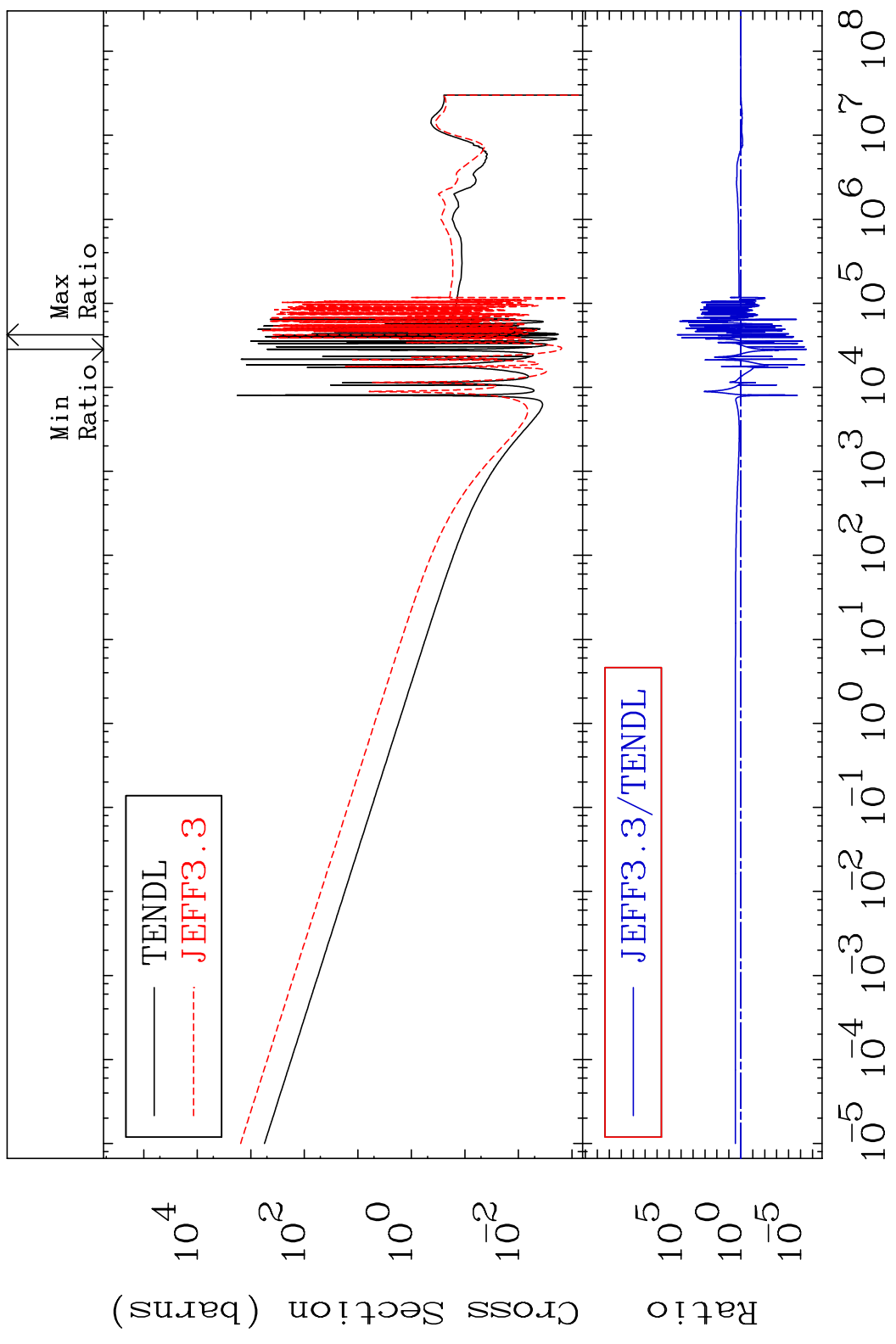


MAT 5067 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-126  
 Cross Section -42.49 To 21.65 %



MAT 5067

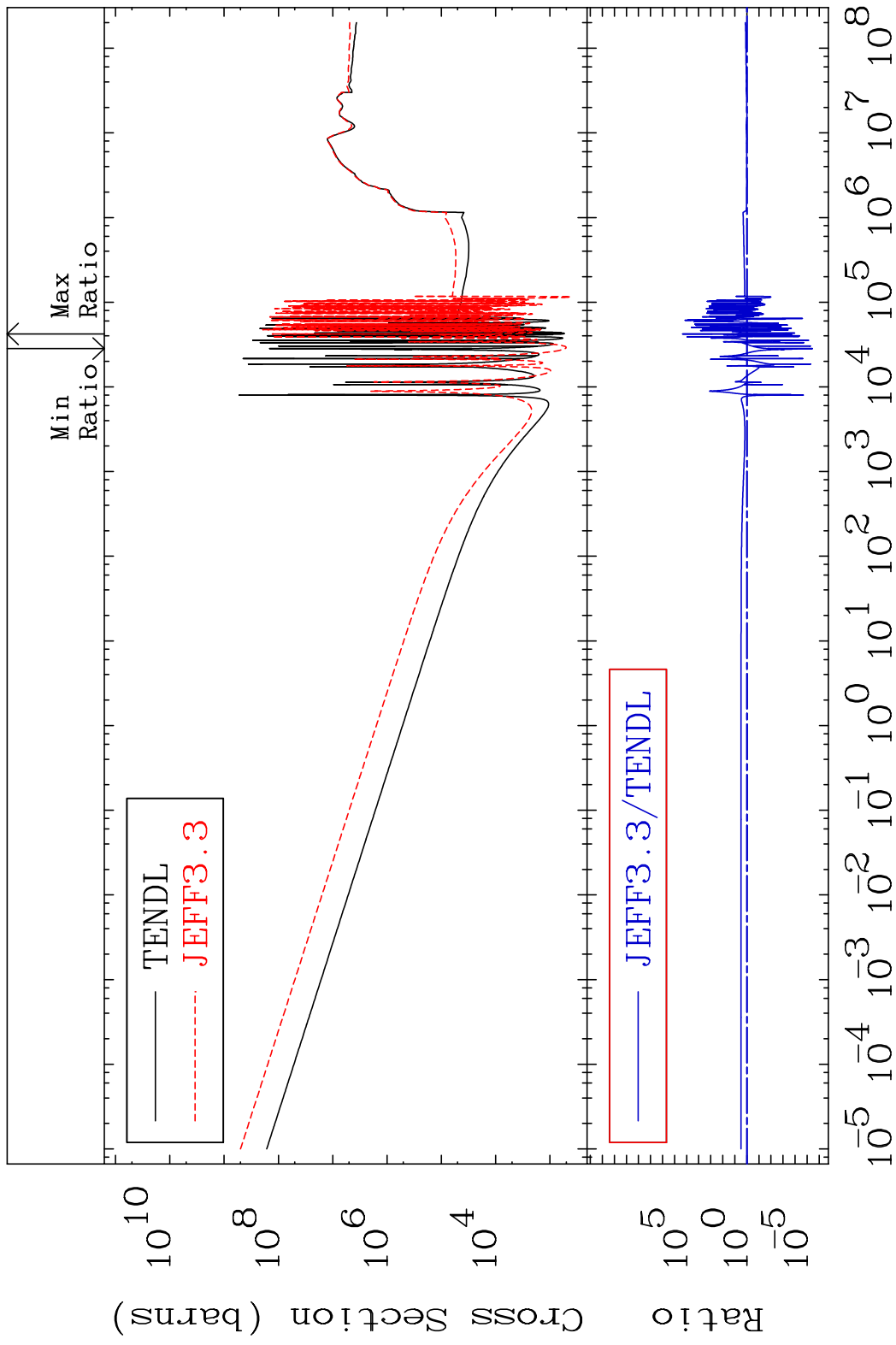
Kerma capture (mt102) 50-Sn-126  
Cross Section -100.0 To 9999. %



62

Incident Energy (eV) 50-Sn-126

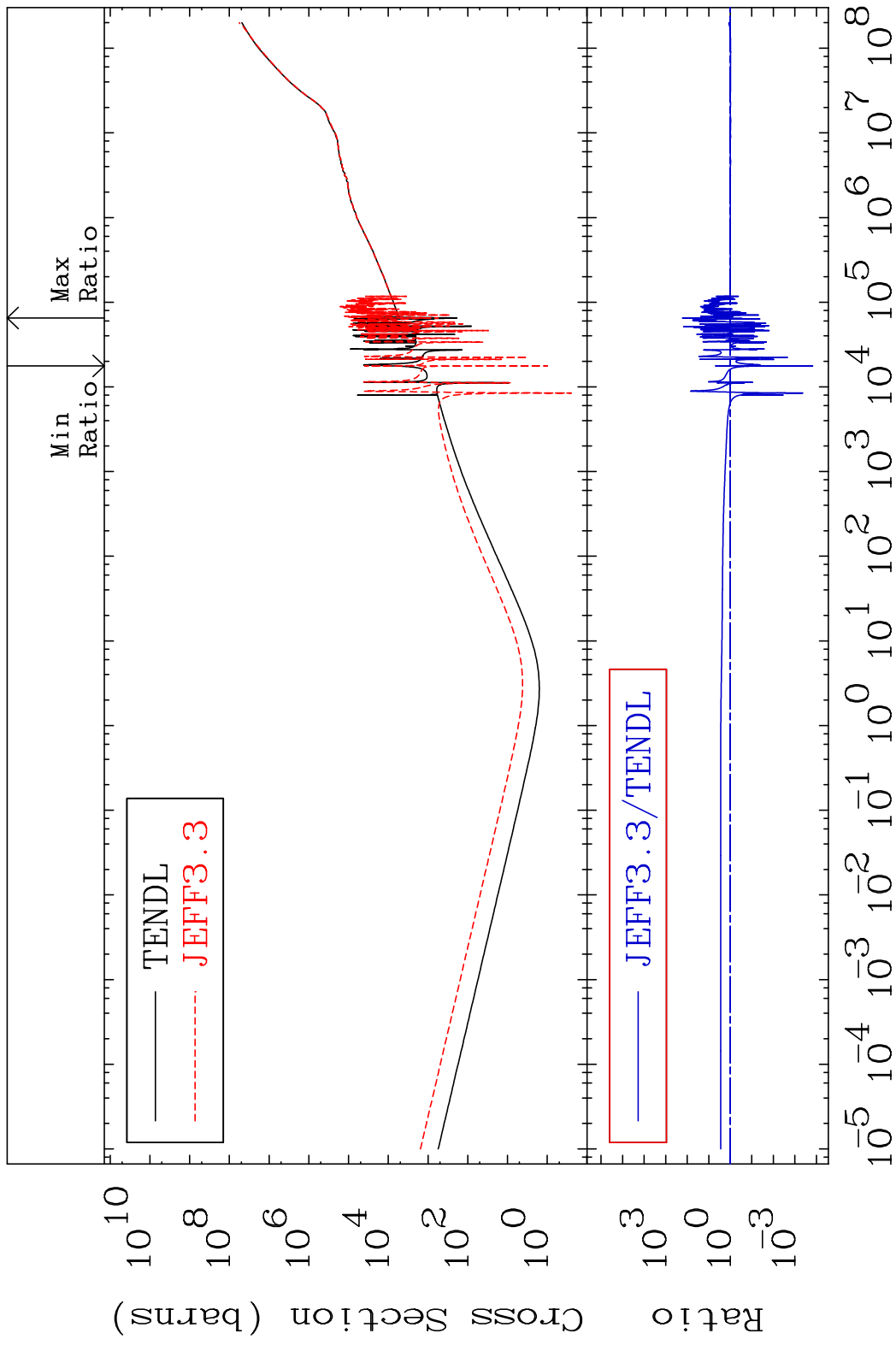
MAT 5067 Total photon (eV-barns) 50-Sn-126  
 Cross Section -100.0 To 9999. %



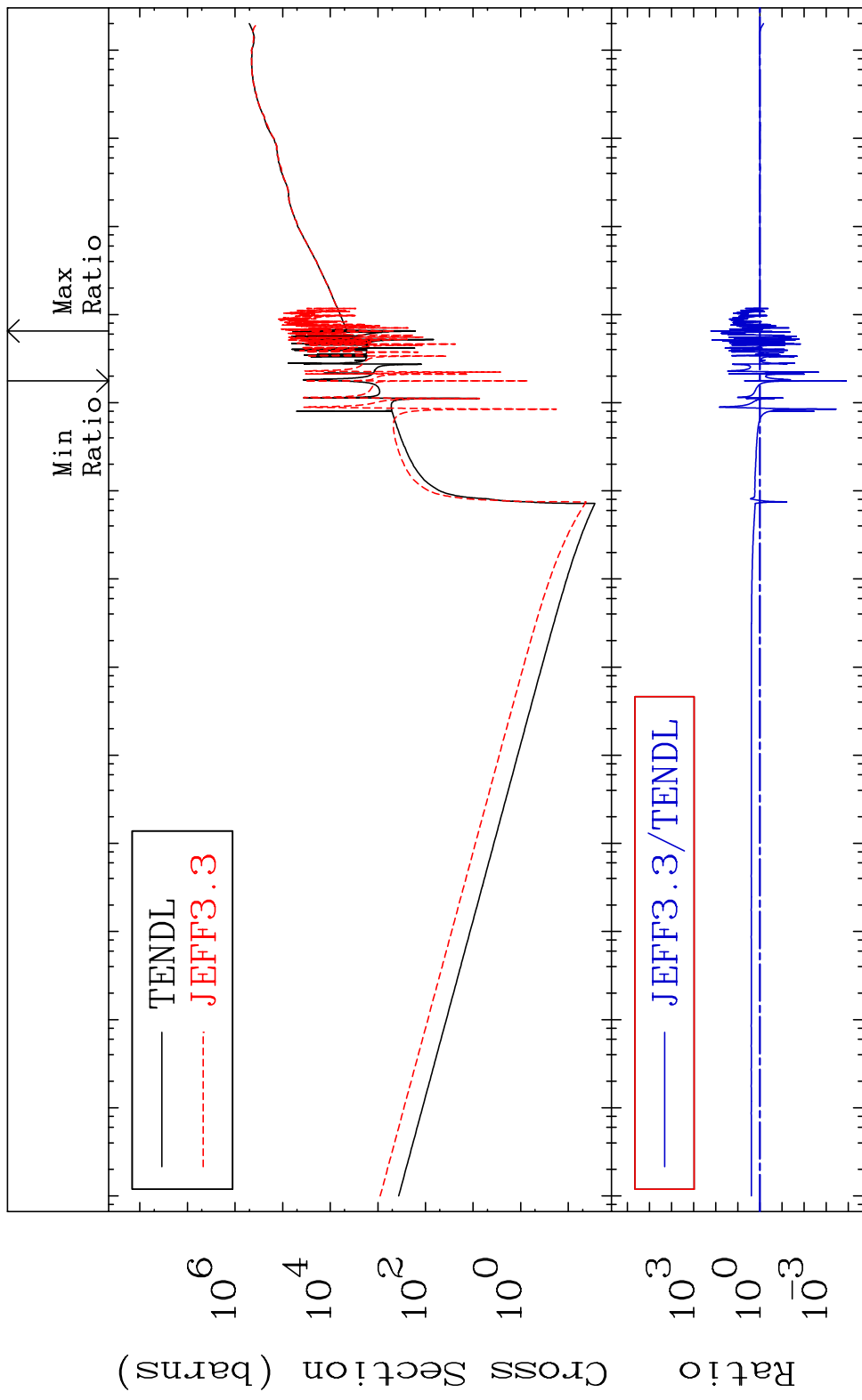
63 Incident Energy (eV) 50-Sn-126



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. %



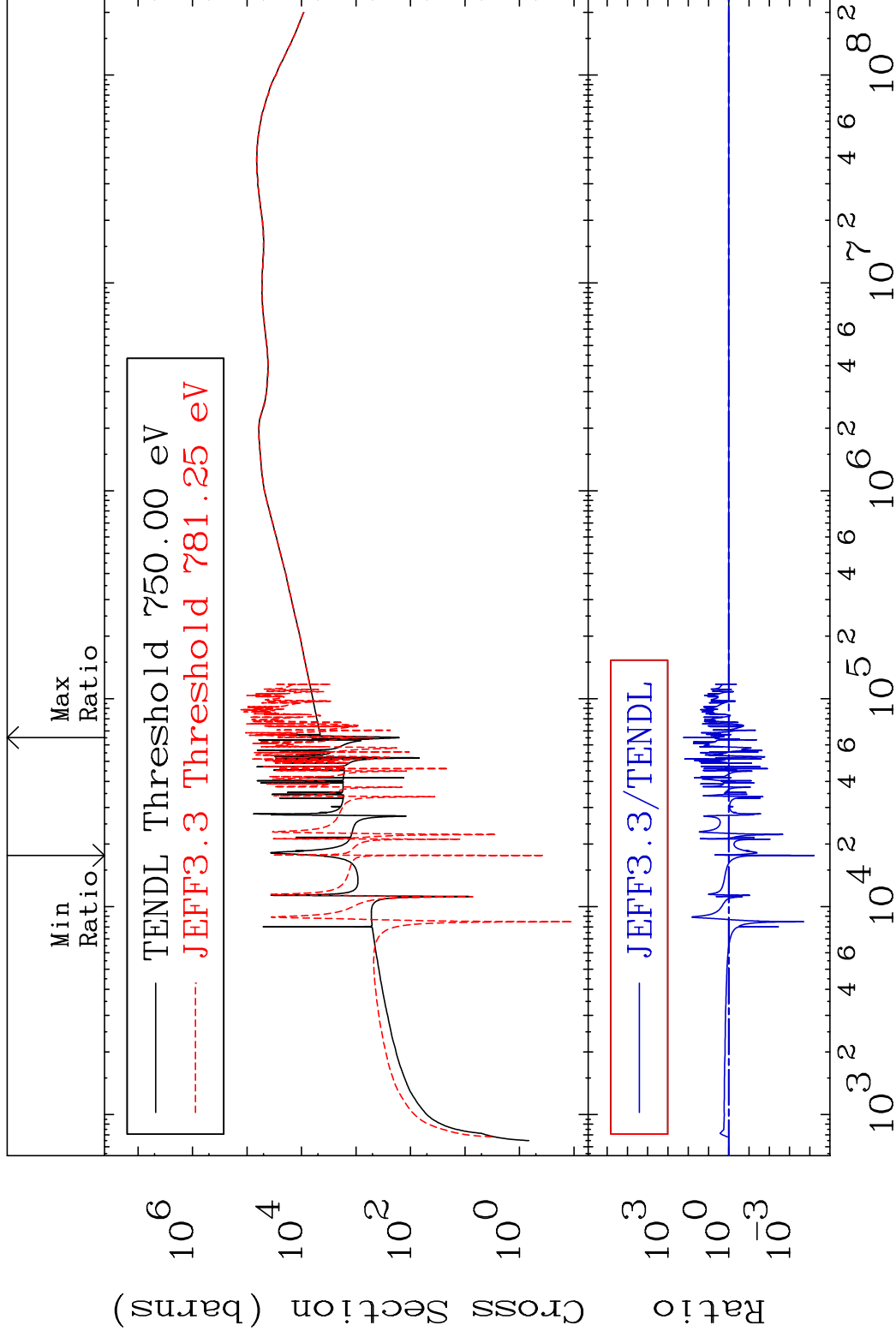
65      Incident Energy (eV)      50-Sn-126

MAT 5067

Dpa elastic (mt2)

50-Sn-126

Cross Section -99.99 To 9999. %

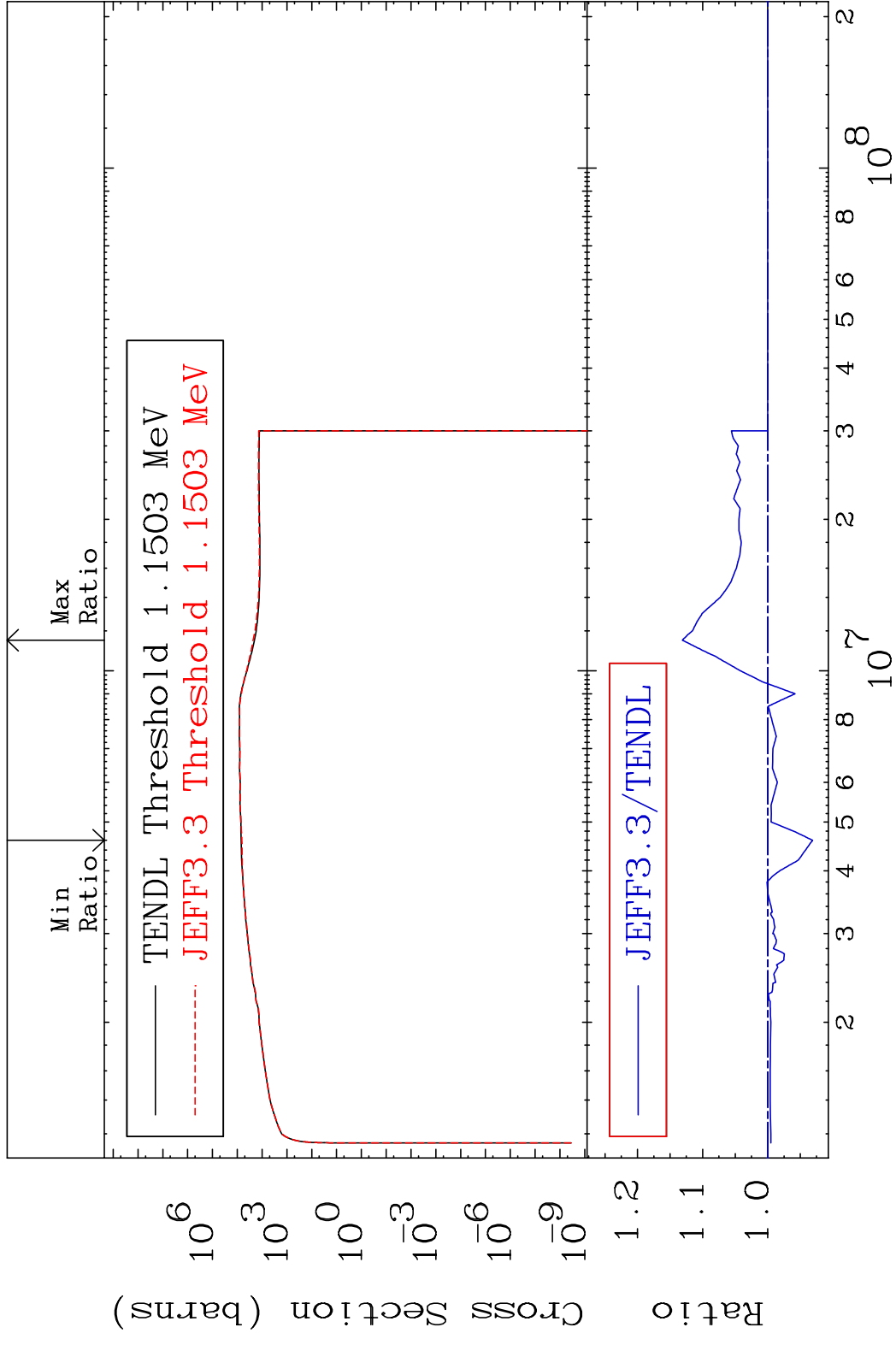


66

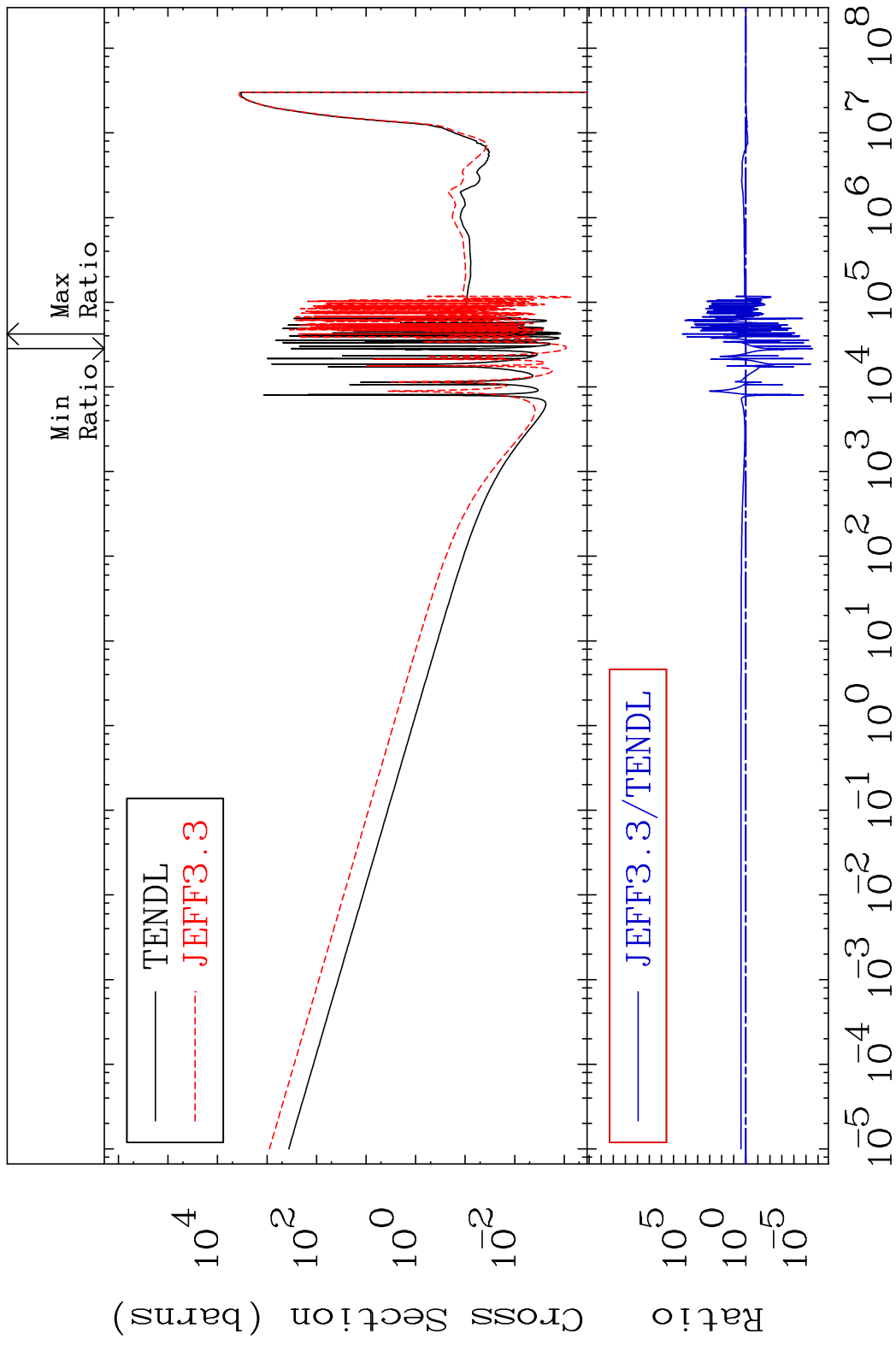
Incident Energy (eV)

50-Sn-126

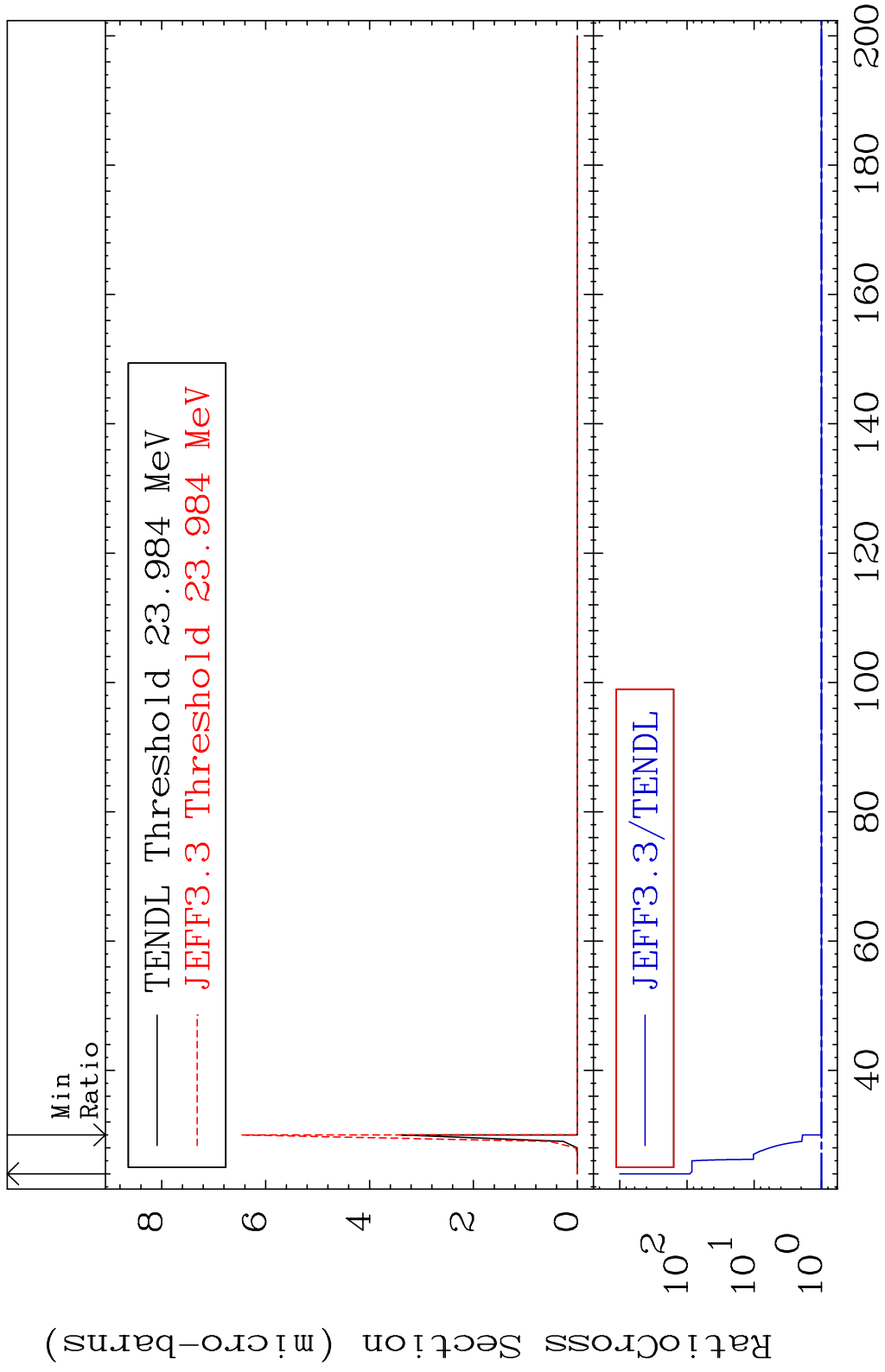
Cross Section -6.882 To 13.12 %



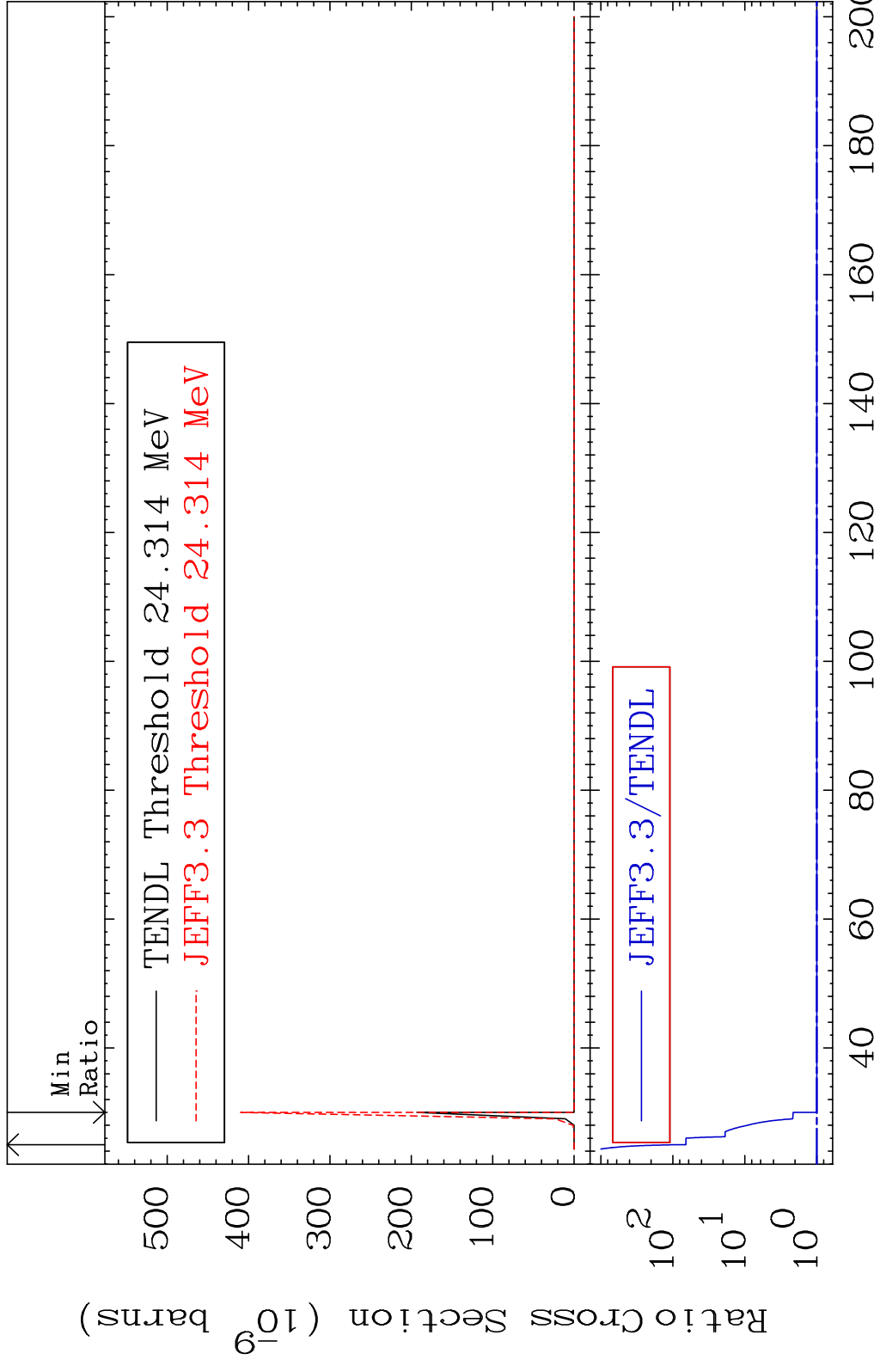
MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126  
 Cross Section -100.0 To 9999. %



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

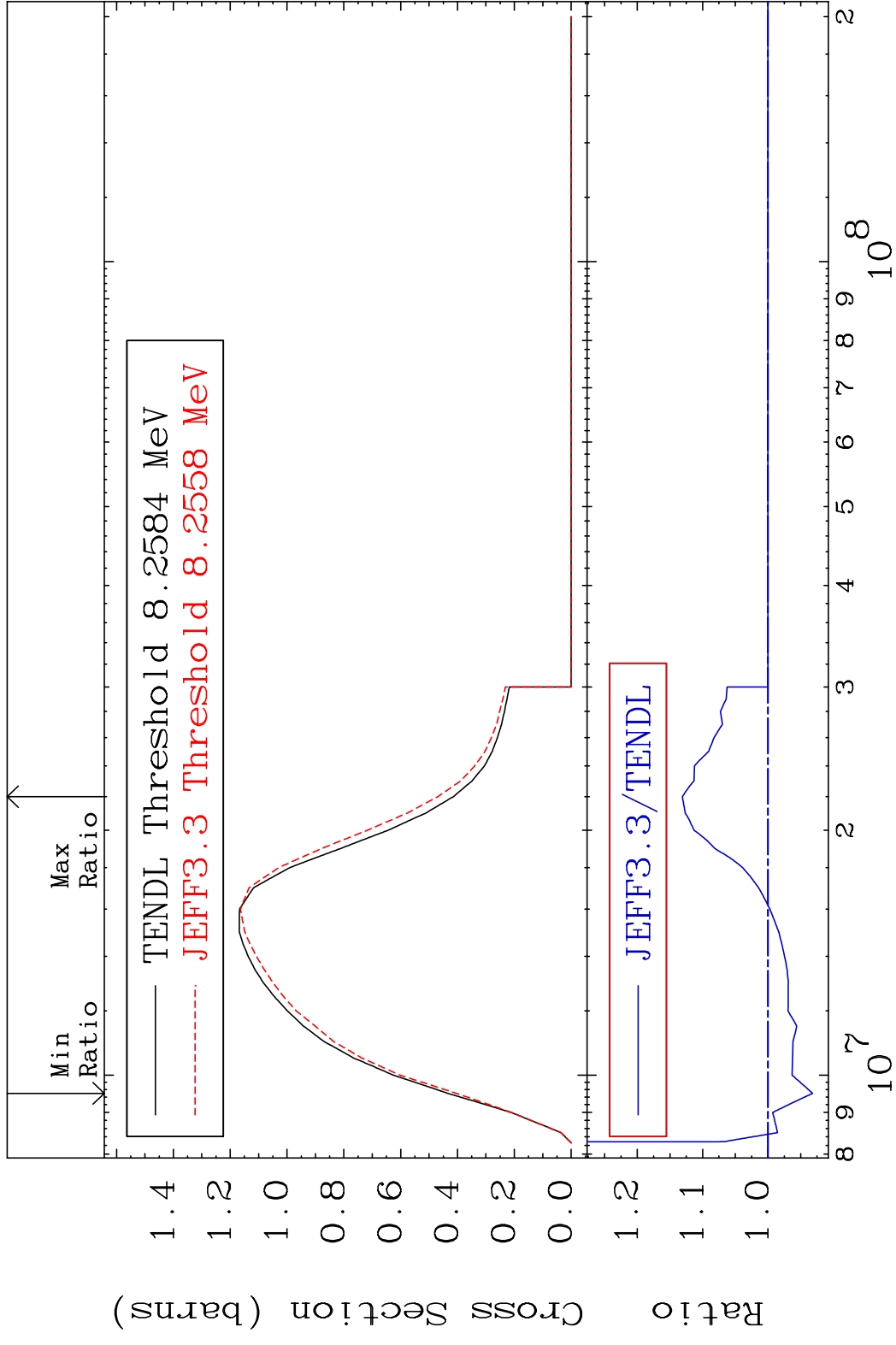


MAT 5067 (n,2n) d:49-In-123m1 50-Sn-126  
 Radionuclide Production Cross Section 6481. %



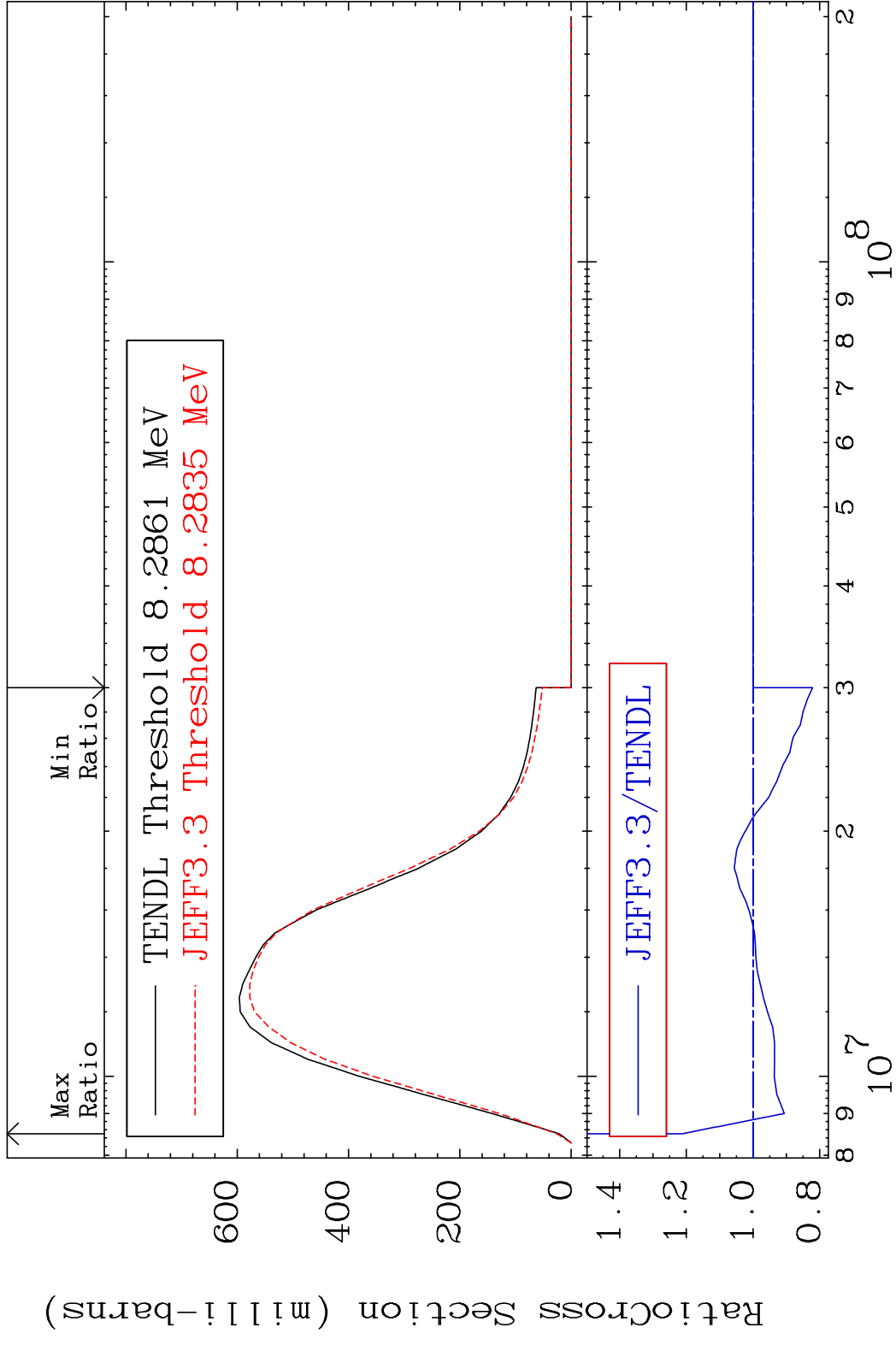
70 Incident Energy (MeV) 50-Sn-126

MAT 5067 (n,2n):50-Sn-125g 50-Sn-126  
 Radionuclide Production Cross Section 6.8211e13 13.10 %

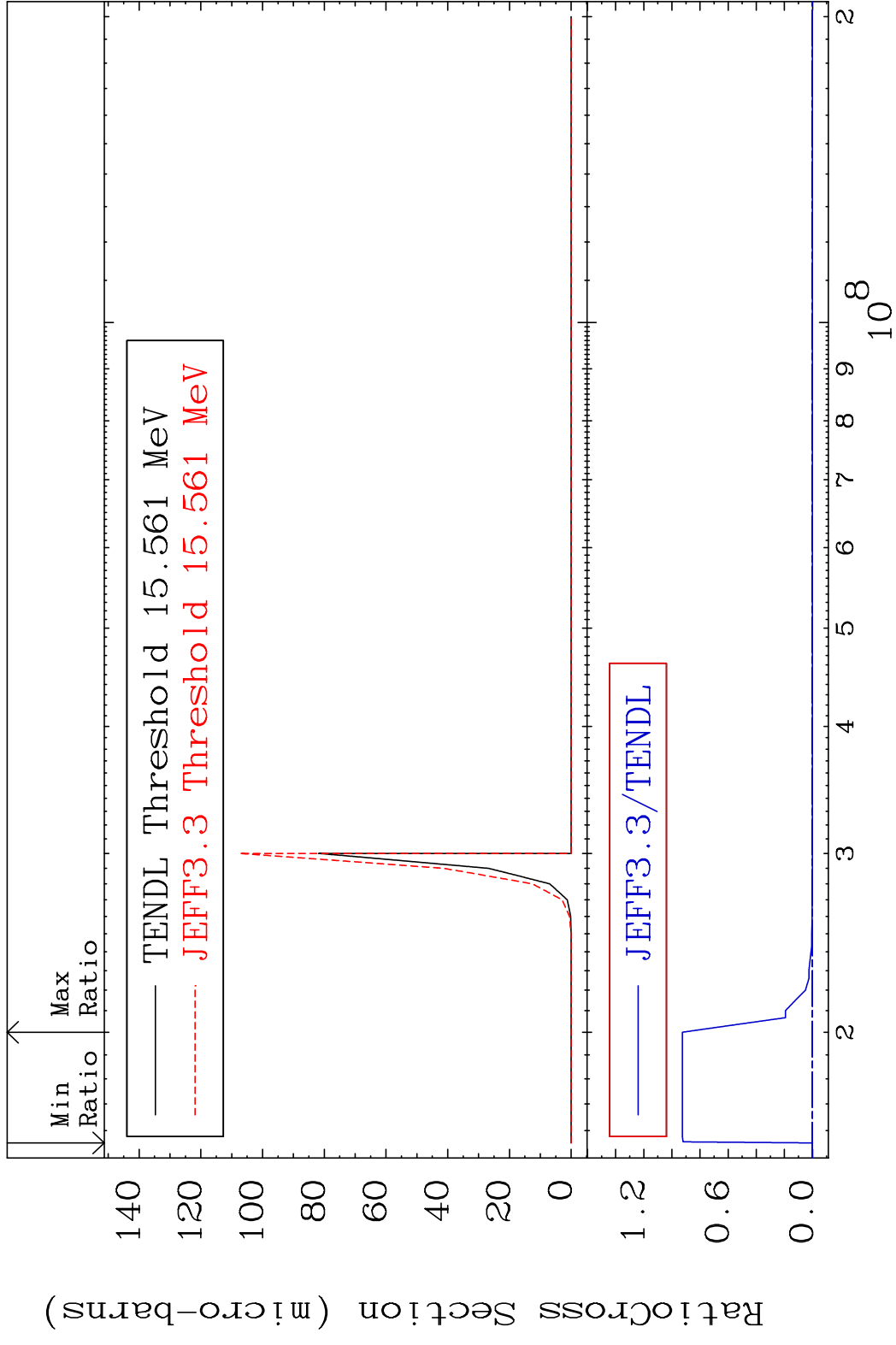




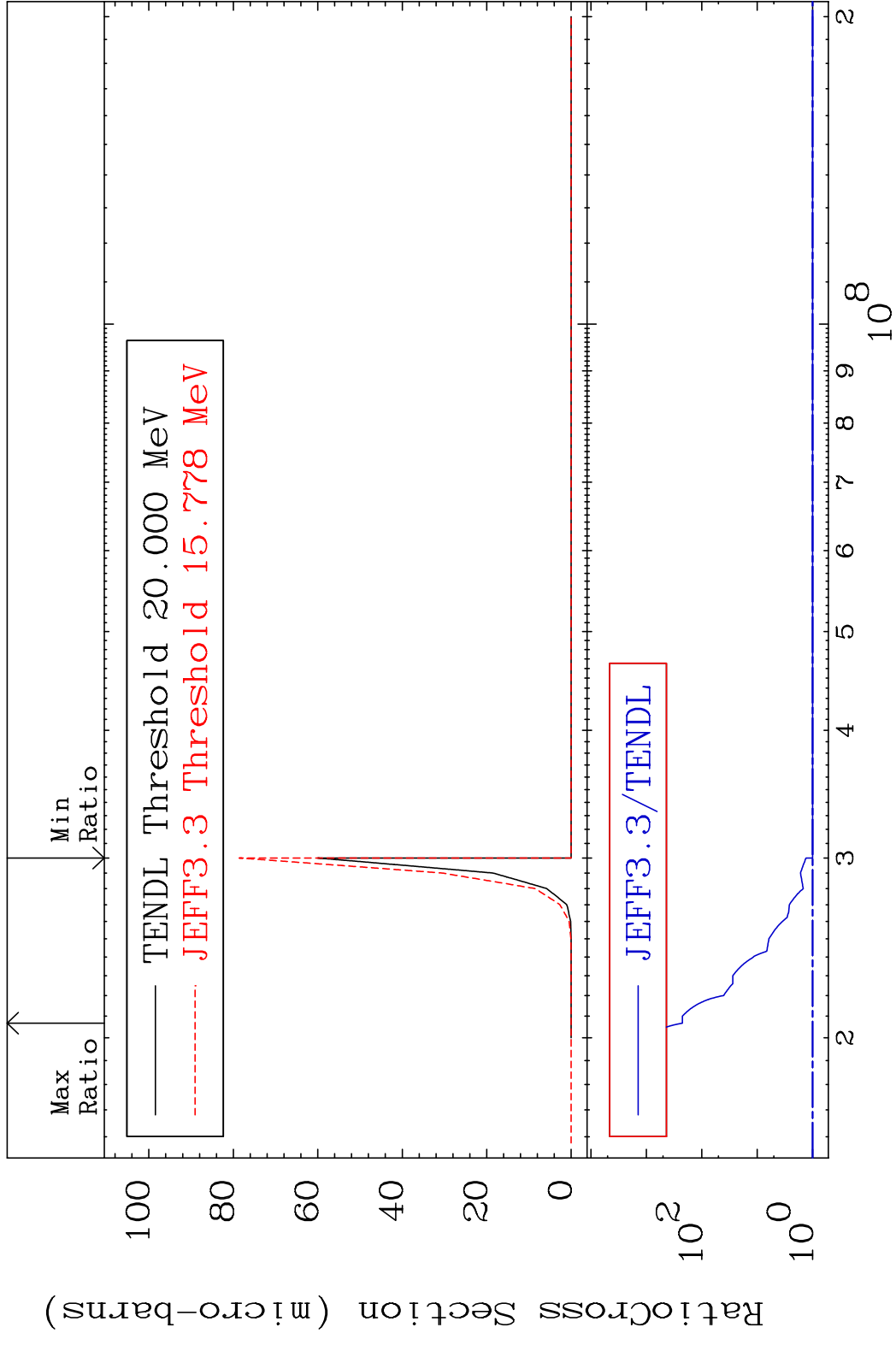
MAT 5067 (n, 2n): 50-Sn-125m1 50-Sn-126  
 Radionuclide Production Cross Section Ratio 21.20 %

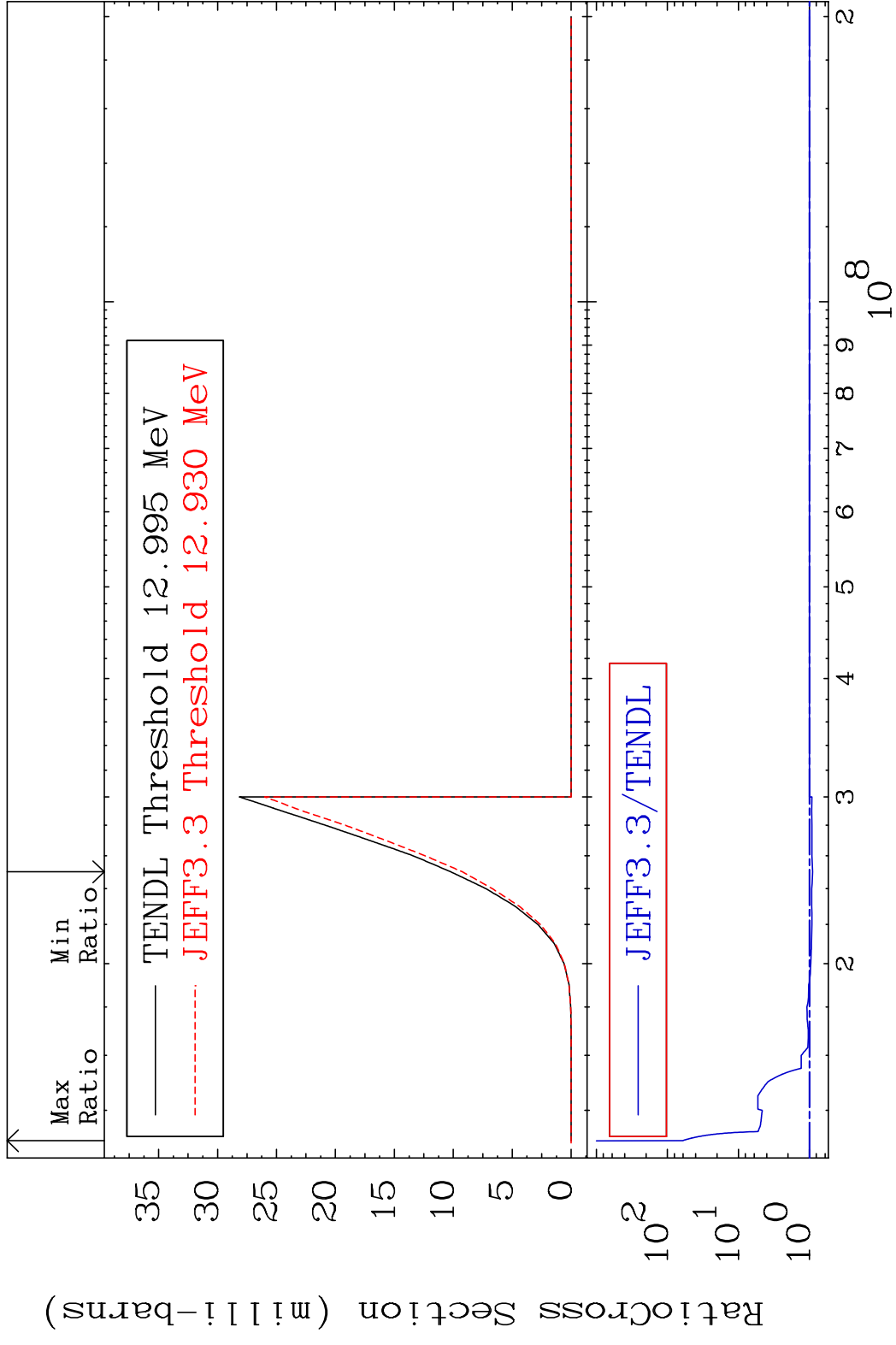


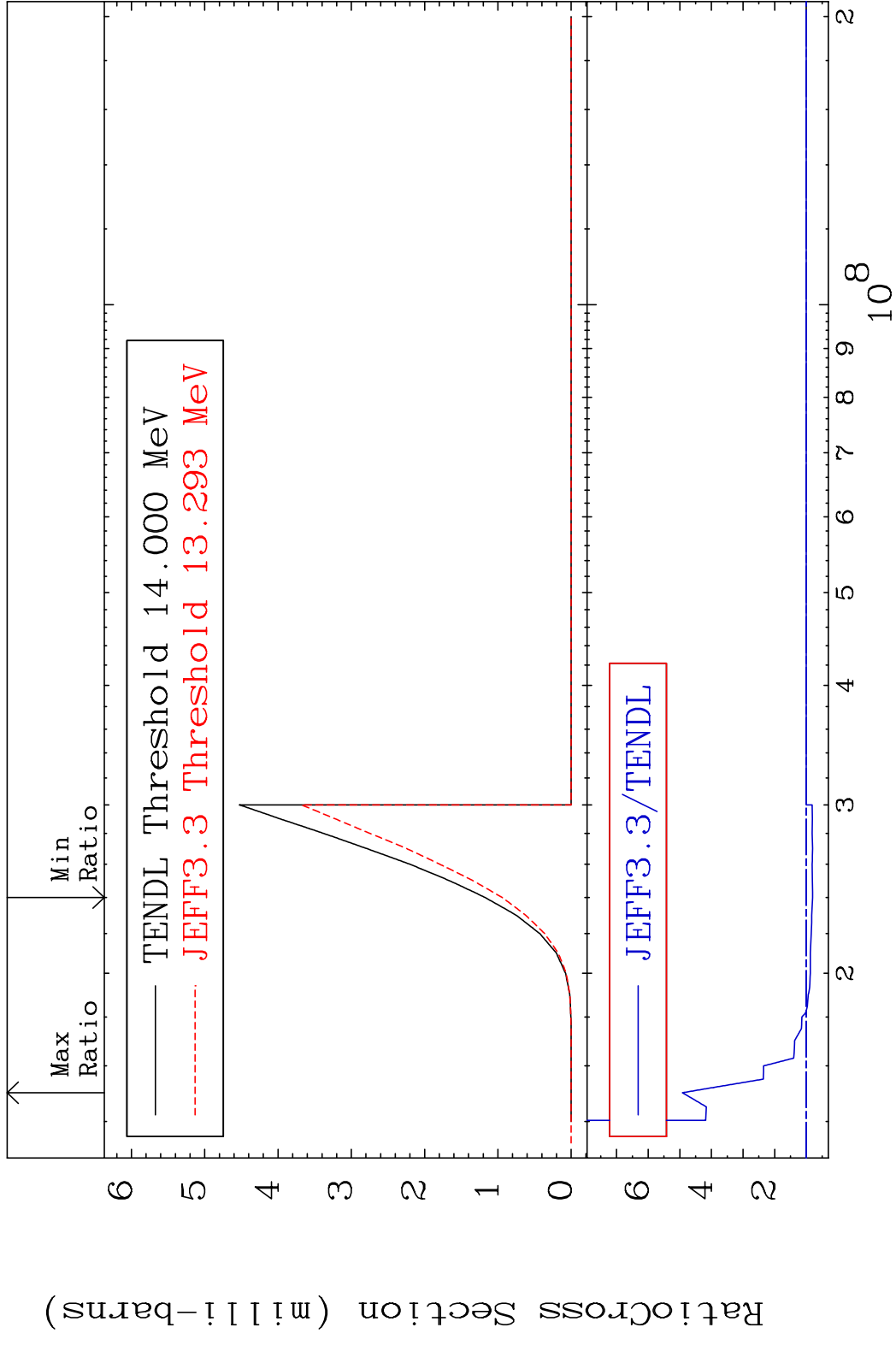
MAT 5067 (n,2n)  $\alpha$ :48-Cd-121g 50-Sn-126  
 Radionuclide Production Cross Section Ratio 9999. %

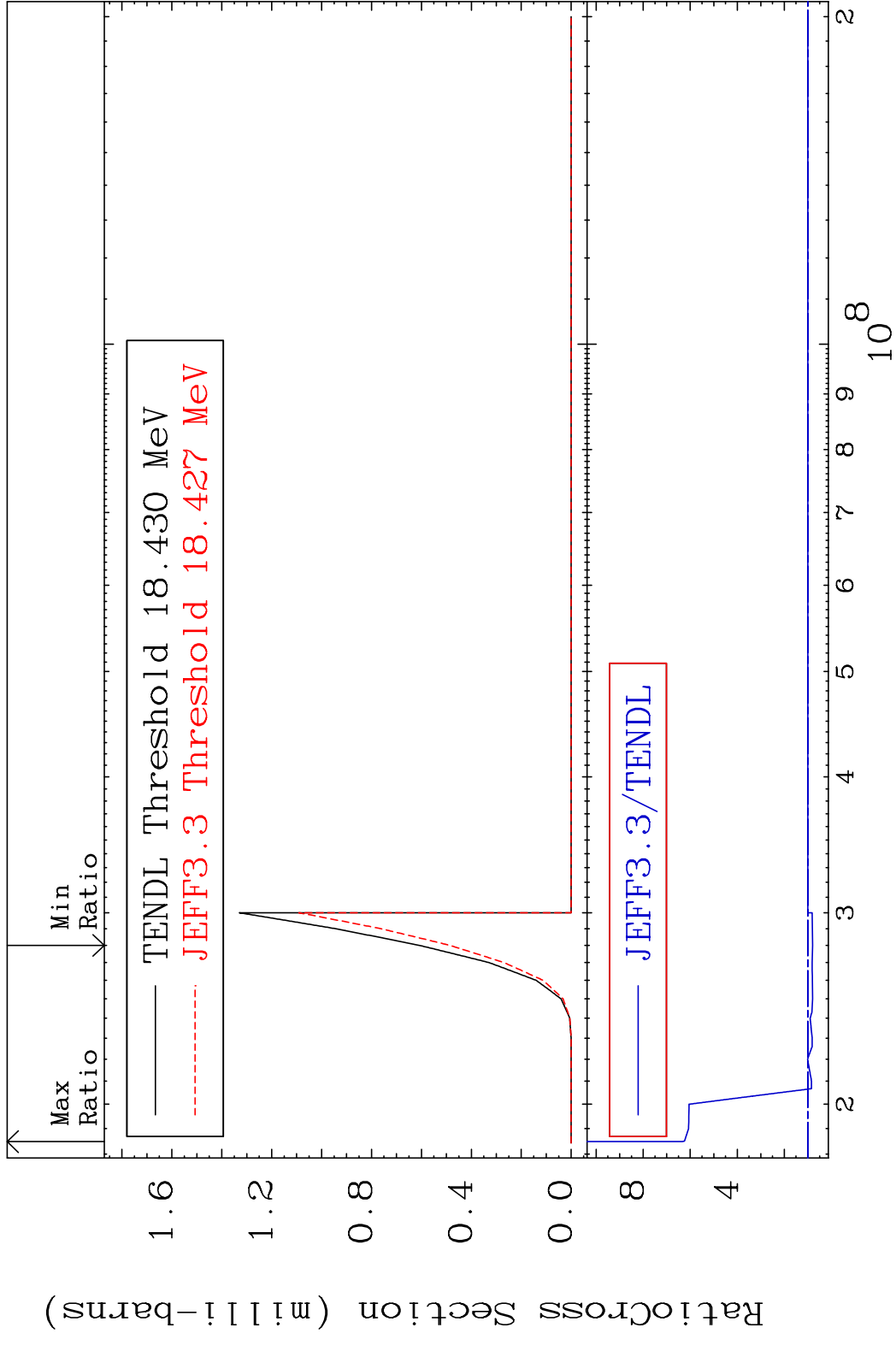


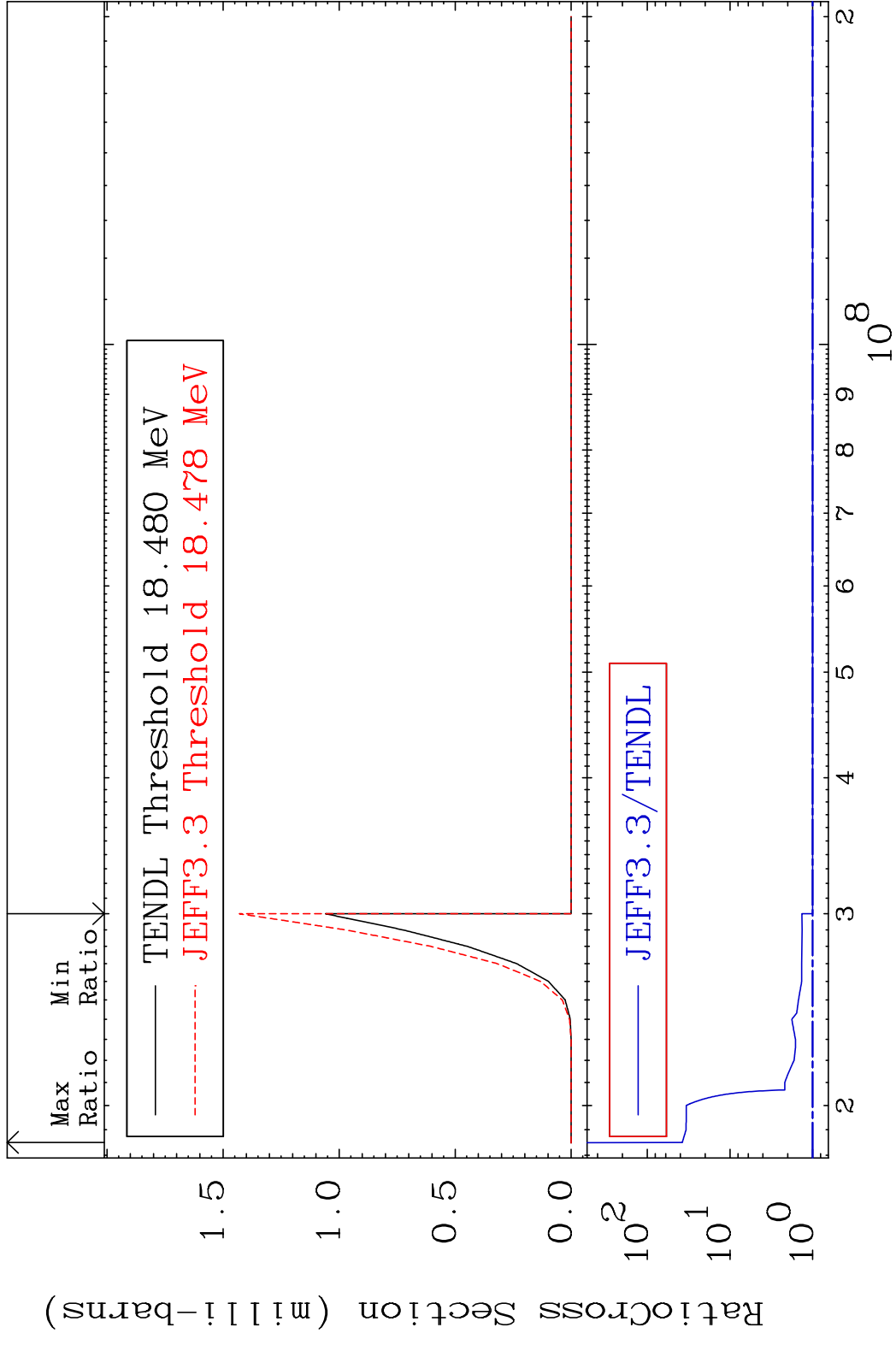
MAT 5067 (n,2n)  $\alpha$ :48-Cd-121m2 50-Sn-126  
 Radionuclide Production Cross Section, %

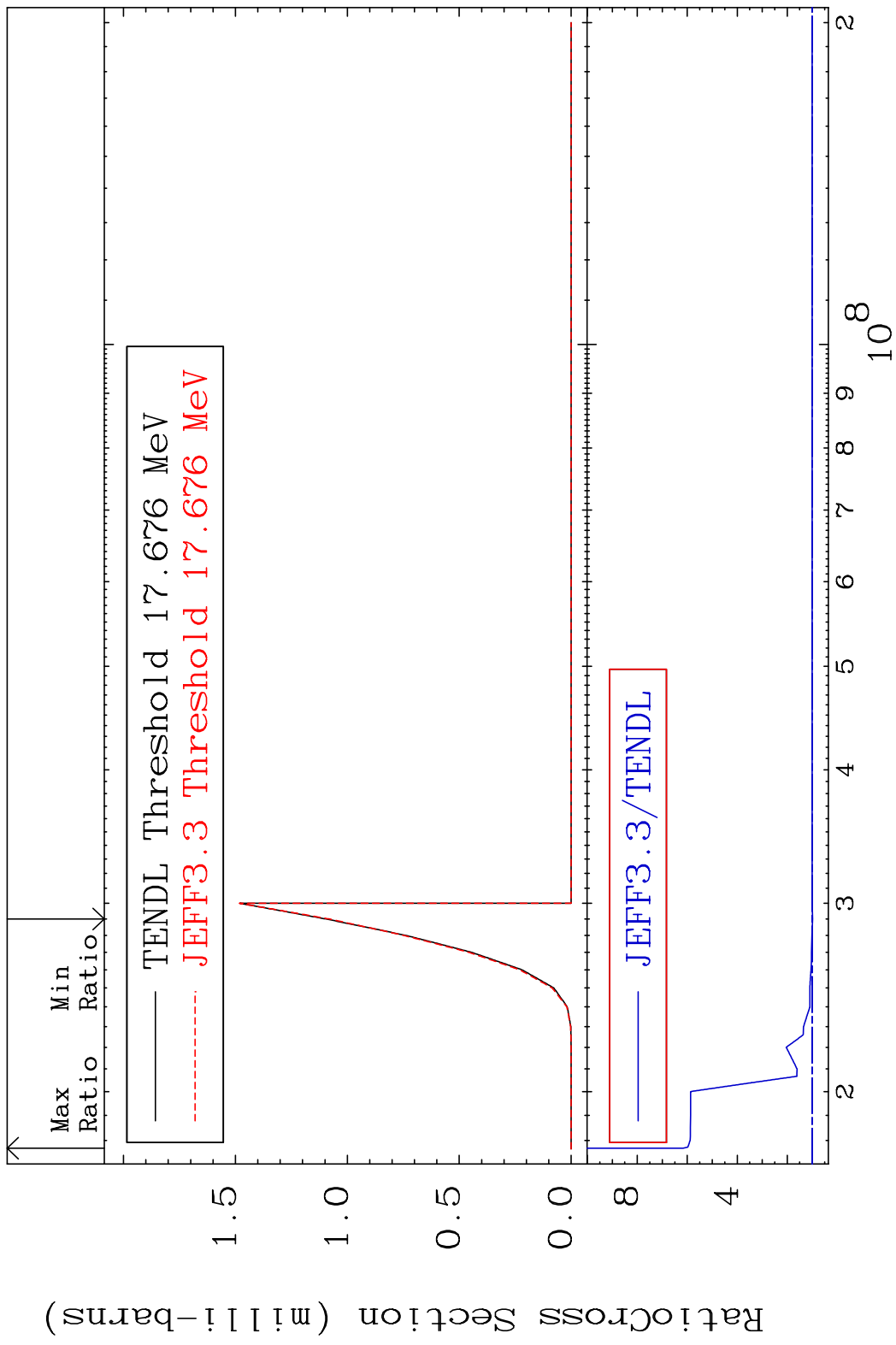




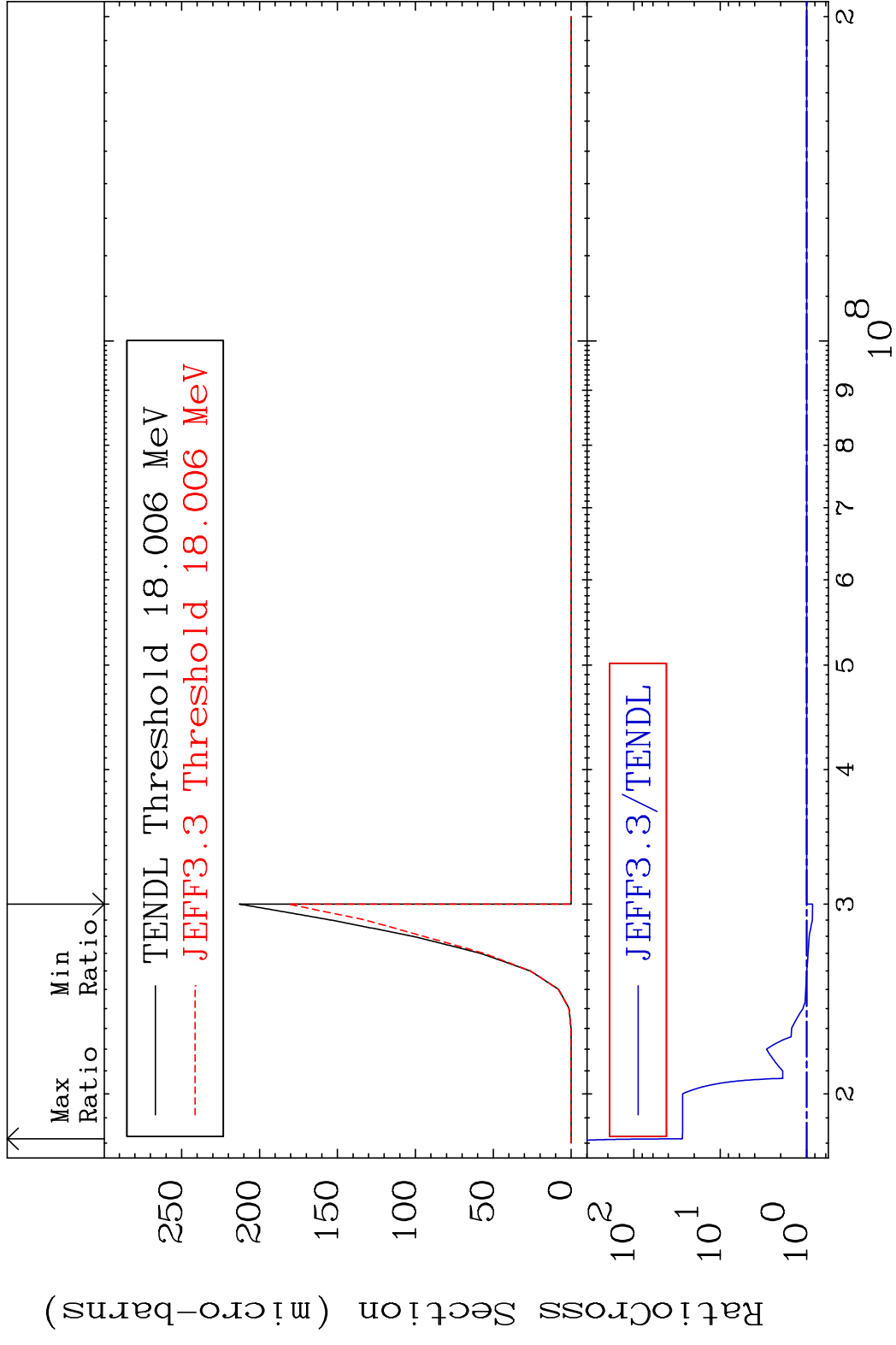


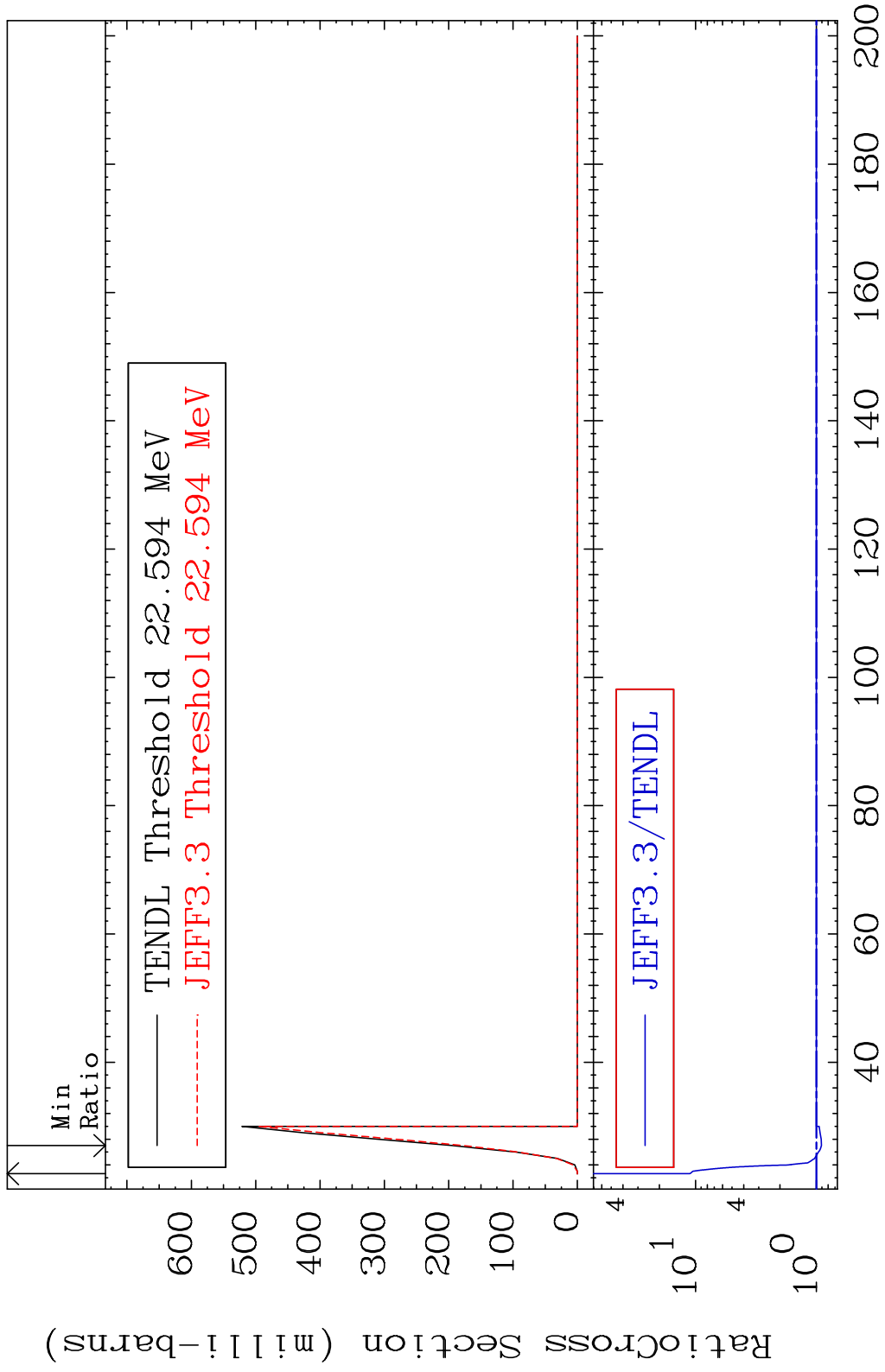




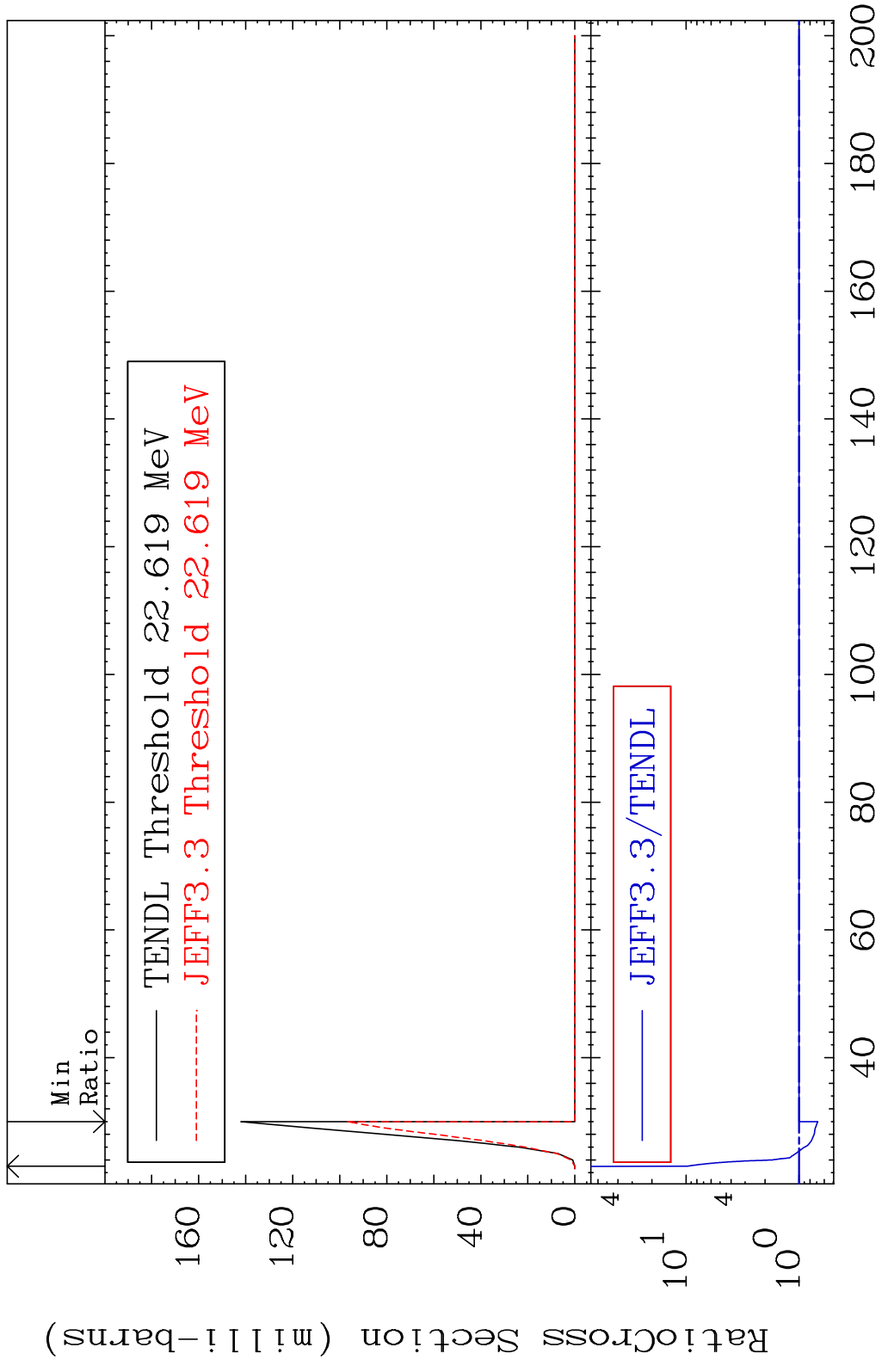


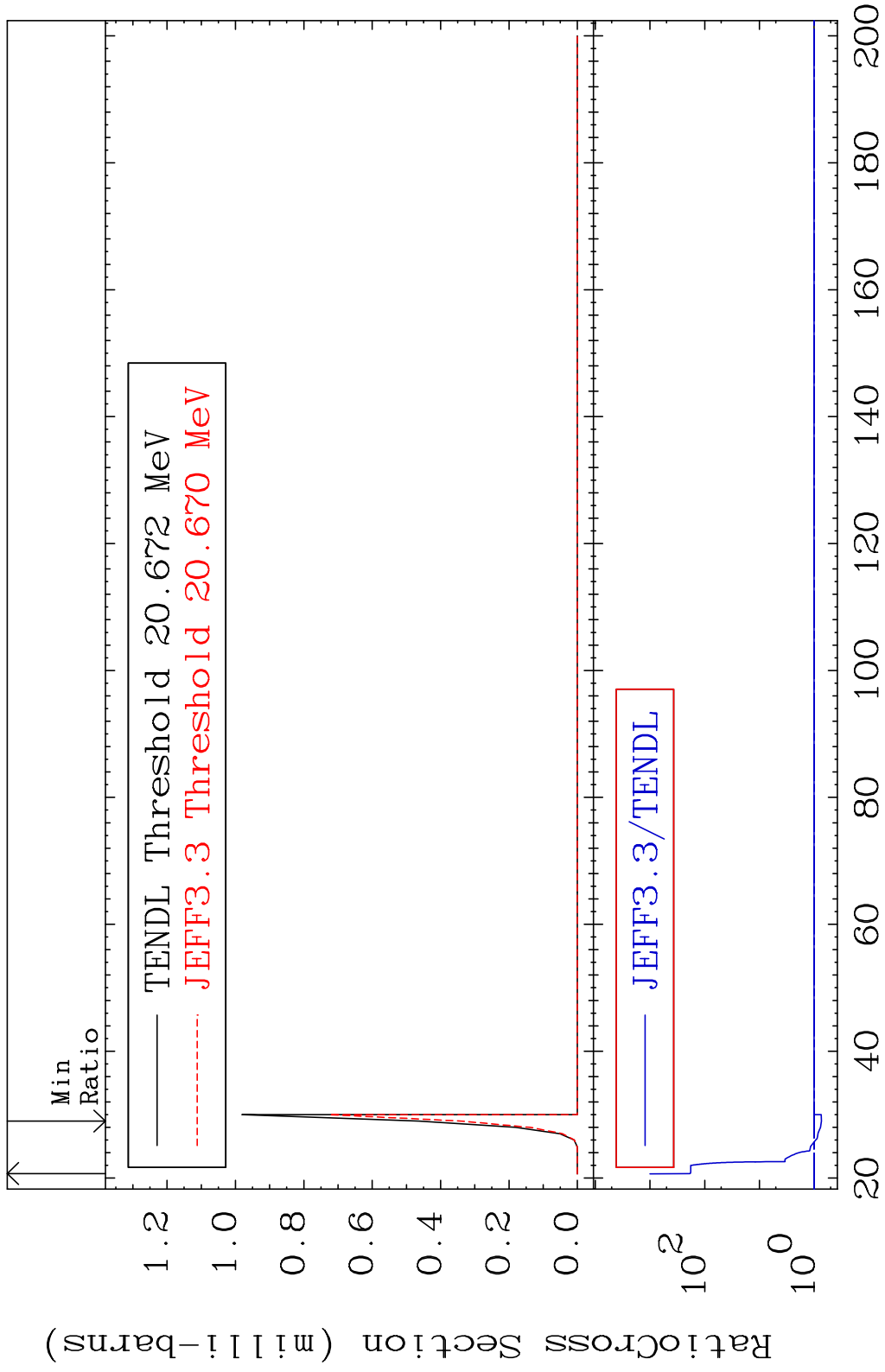


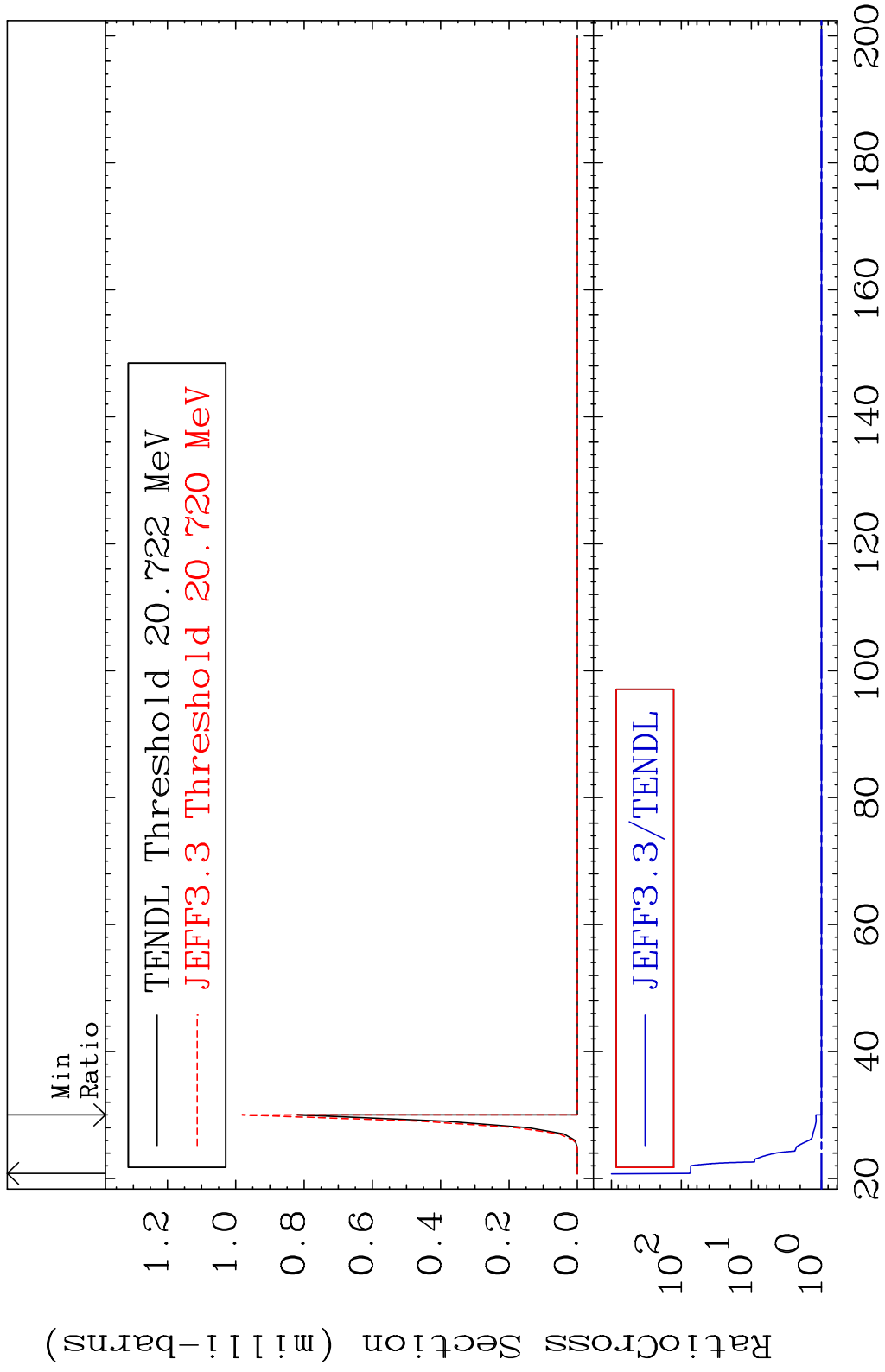


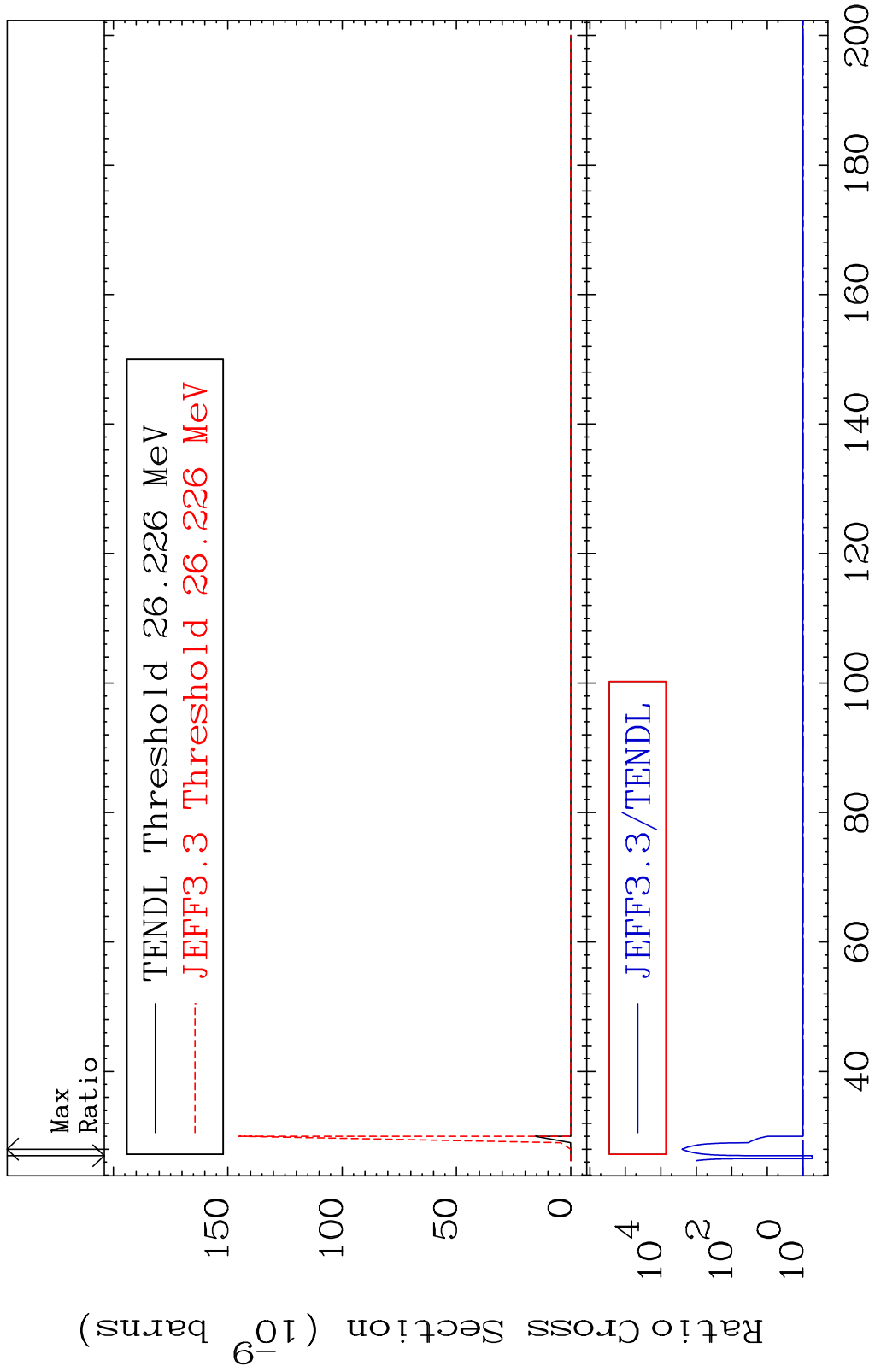


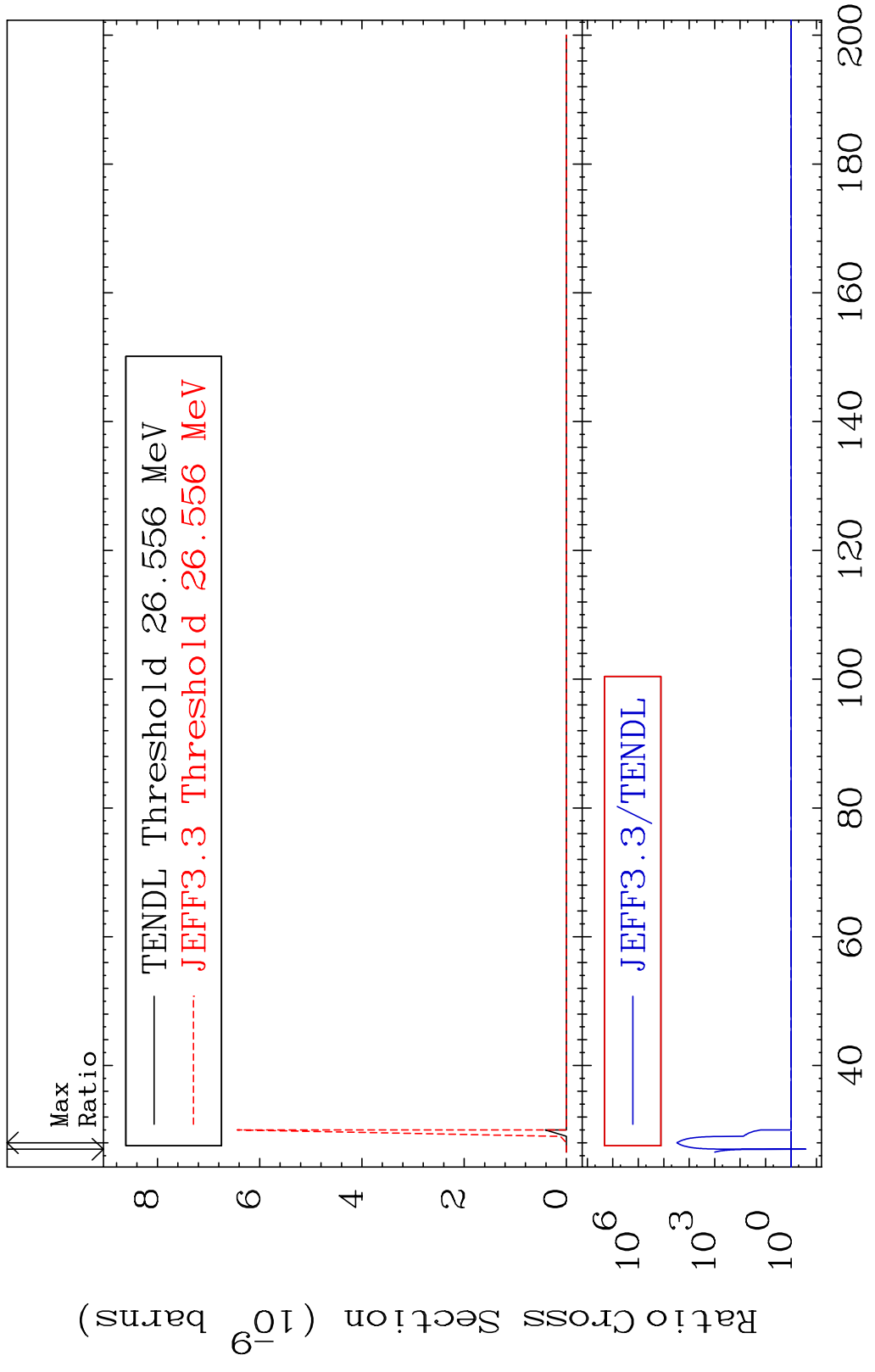
MAT 5067 (n, 4n):50-Sn-123m1 50-Sn-126  
 Radionuclide Production Cross Section 885.6 %



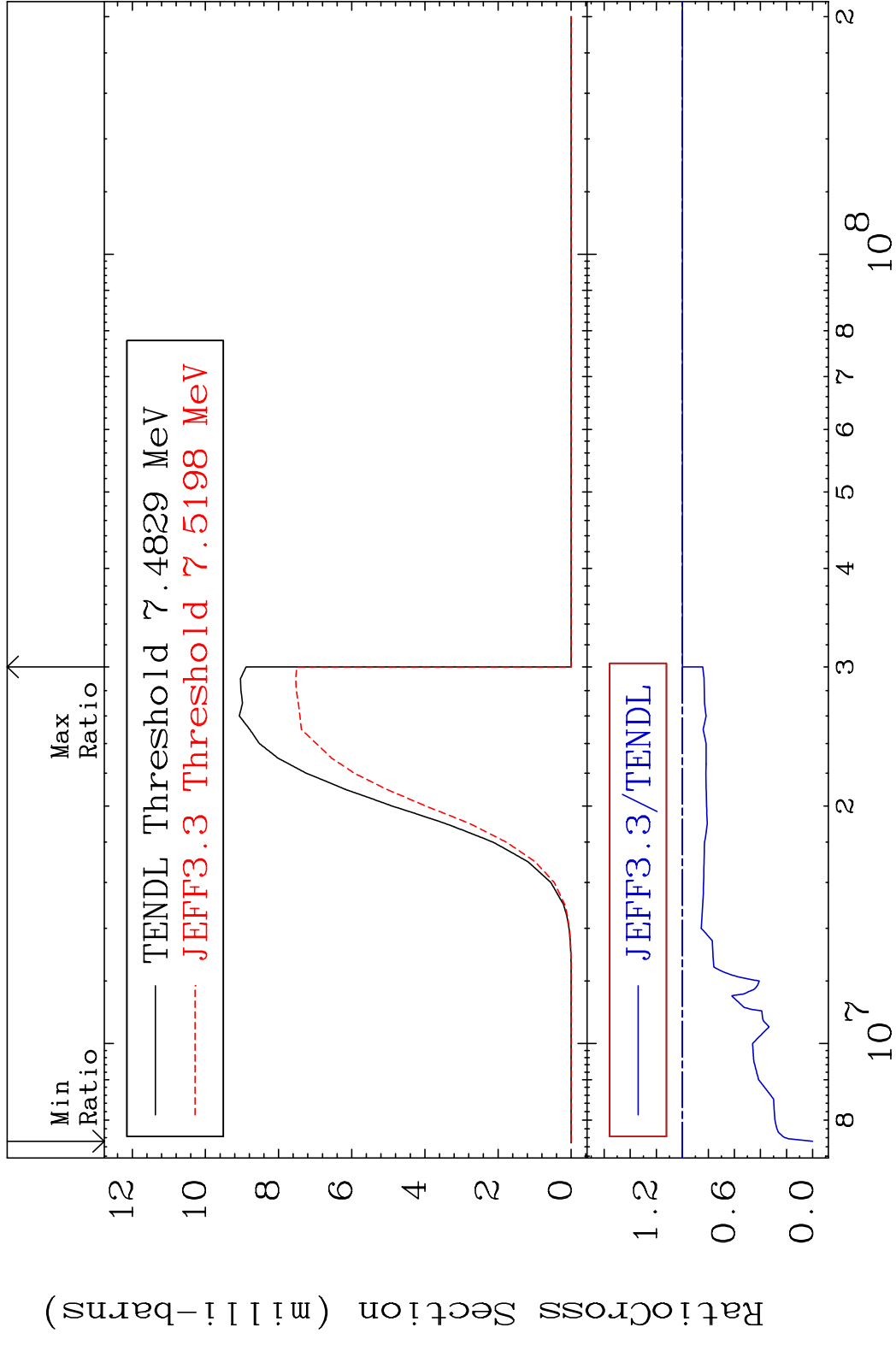






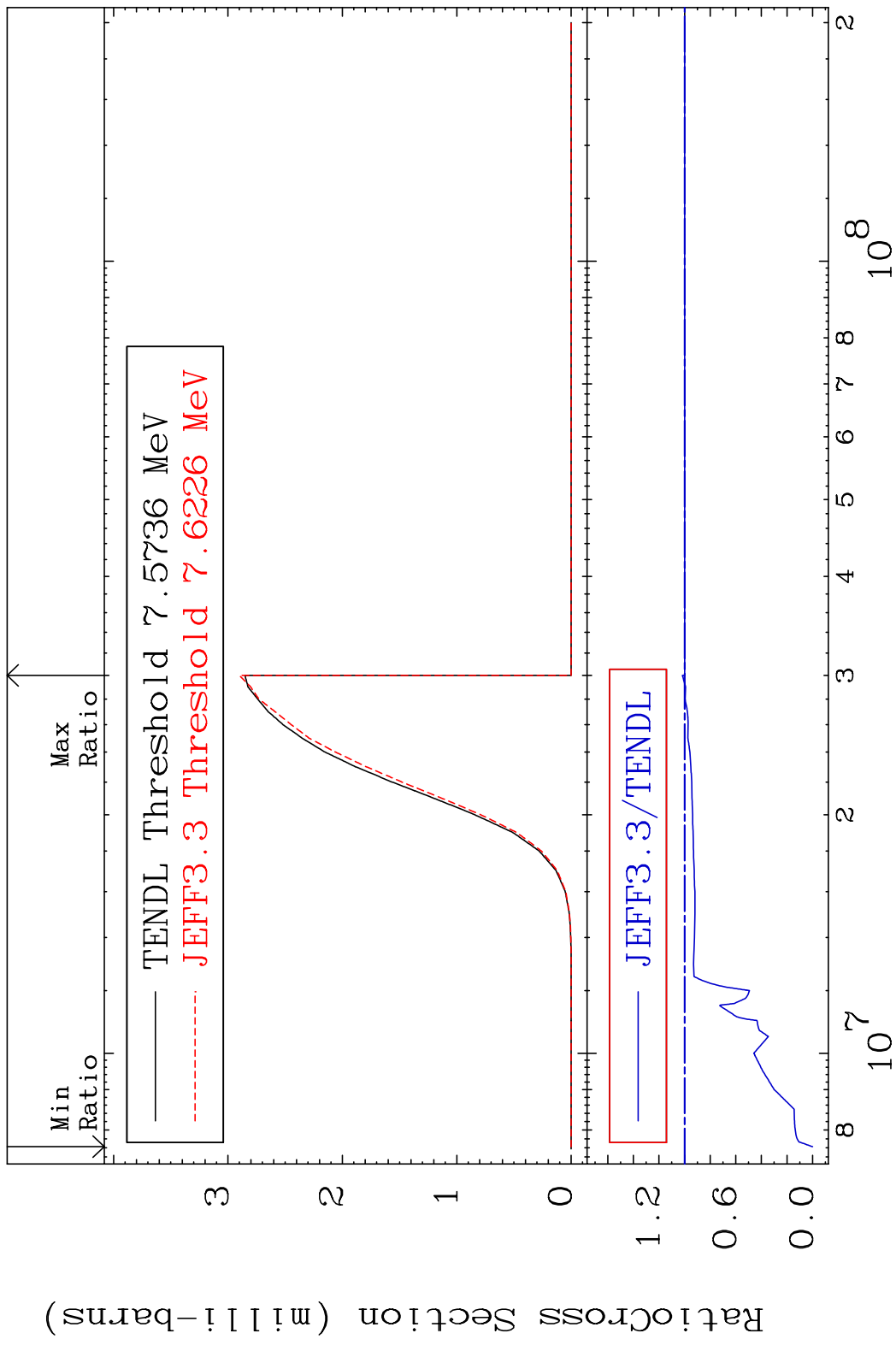


MAT 5067 (n,p):49-In-126 50-Sn-126  
 Radionuclide Production Cross Section 180.01 dth 0.000 %

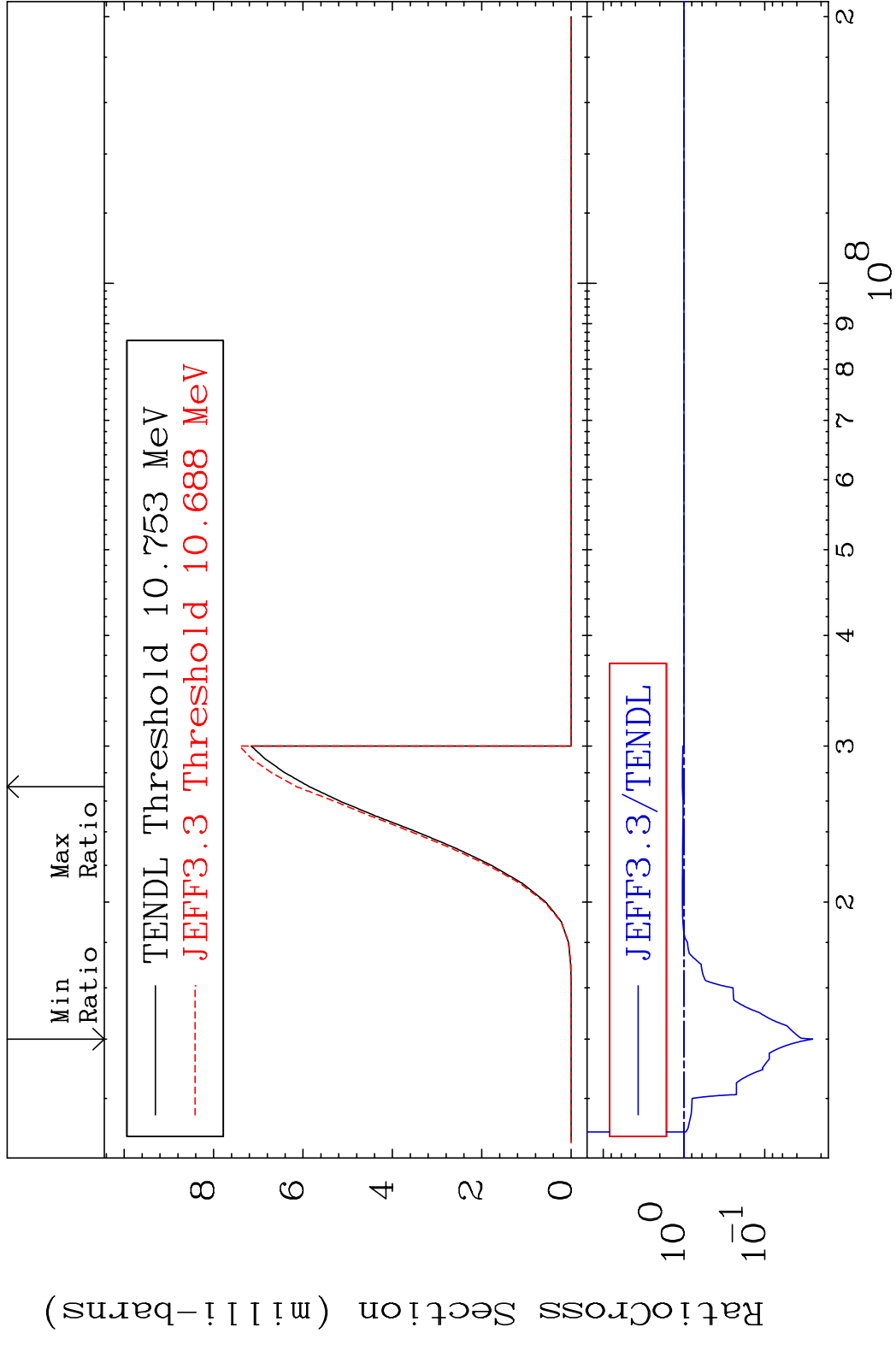




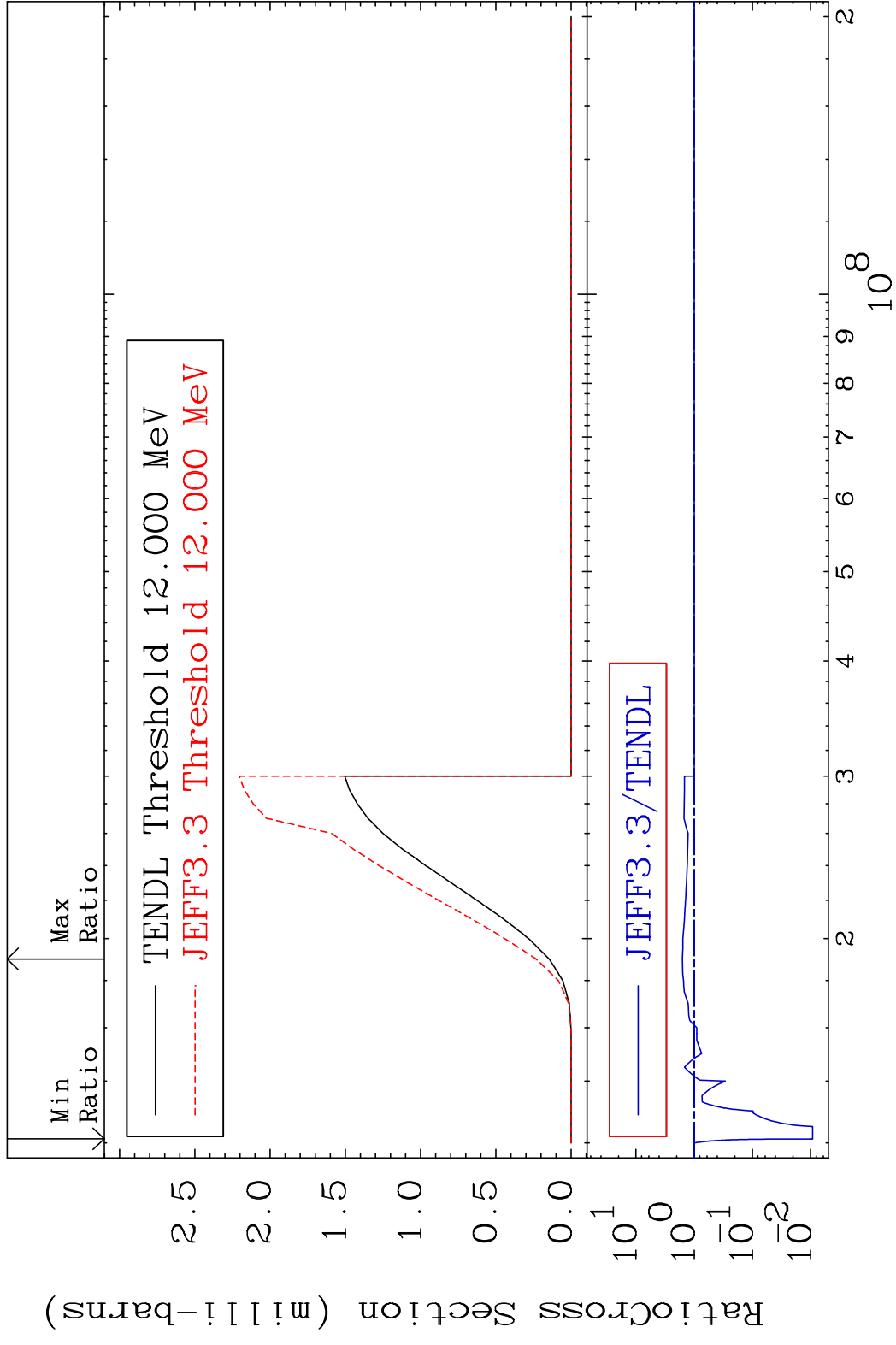
MAT 5067 (n, p): 49-In-126m1 50-Sn-126  
 Radionuclide Production Cross Section Ratio 1.726 %

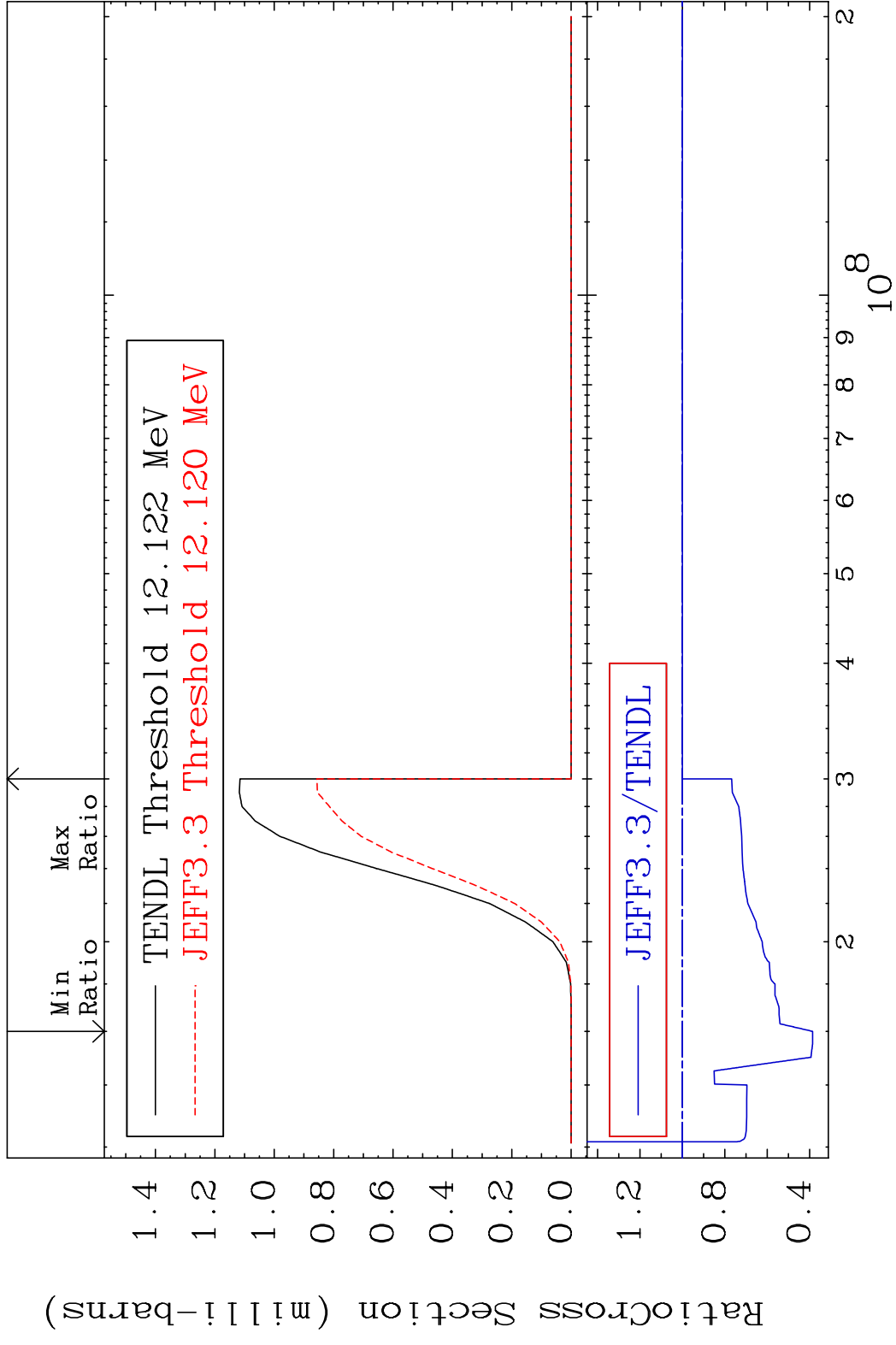


MAT 5067 (n,d):49-In-125g 50-Sn-126  
 Radionuclide Production Cross Section 4.889 %

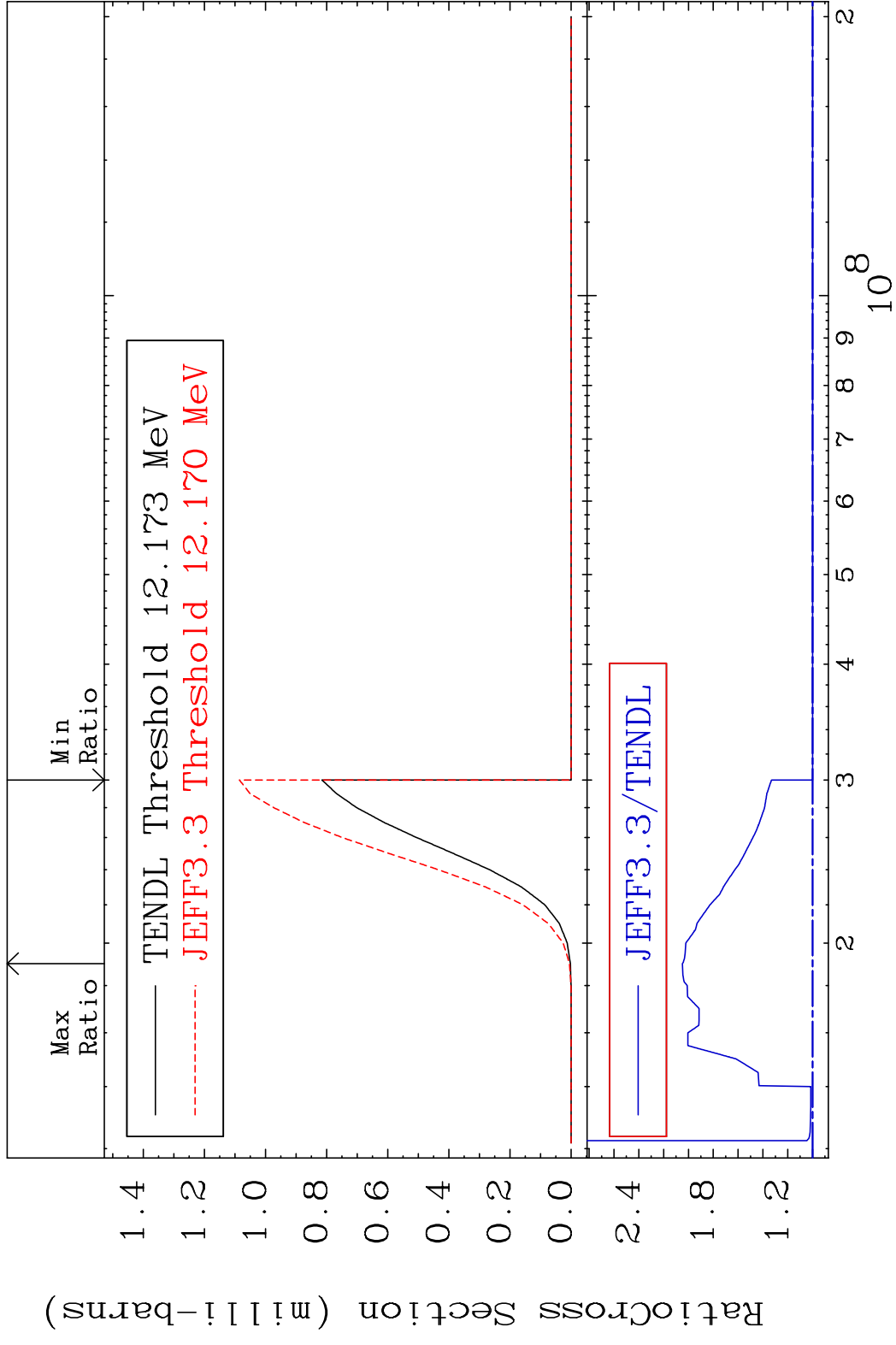


MAT 5067 (n, d): 49-In-125m1 50-Sn-126  
 Radionuclide Production Cross Section 98.081 d10 59.48 %





MAT 5067 (n, t): 49-In-124m2 50-Sn-126  
 Radionuclide Production Cross Section 104.9 %



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

