

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

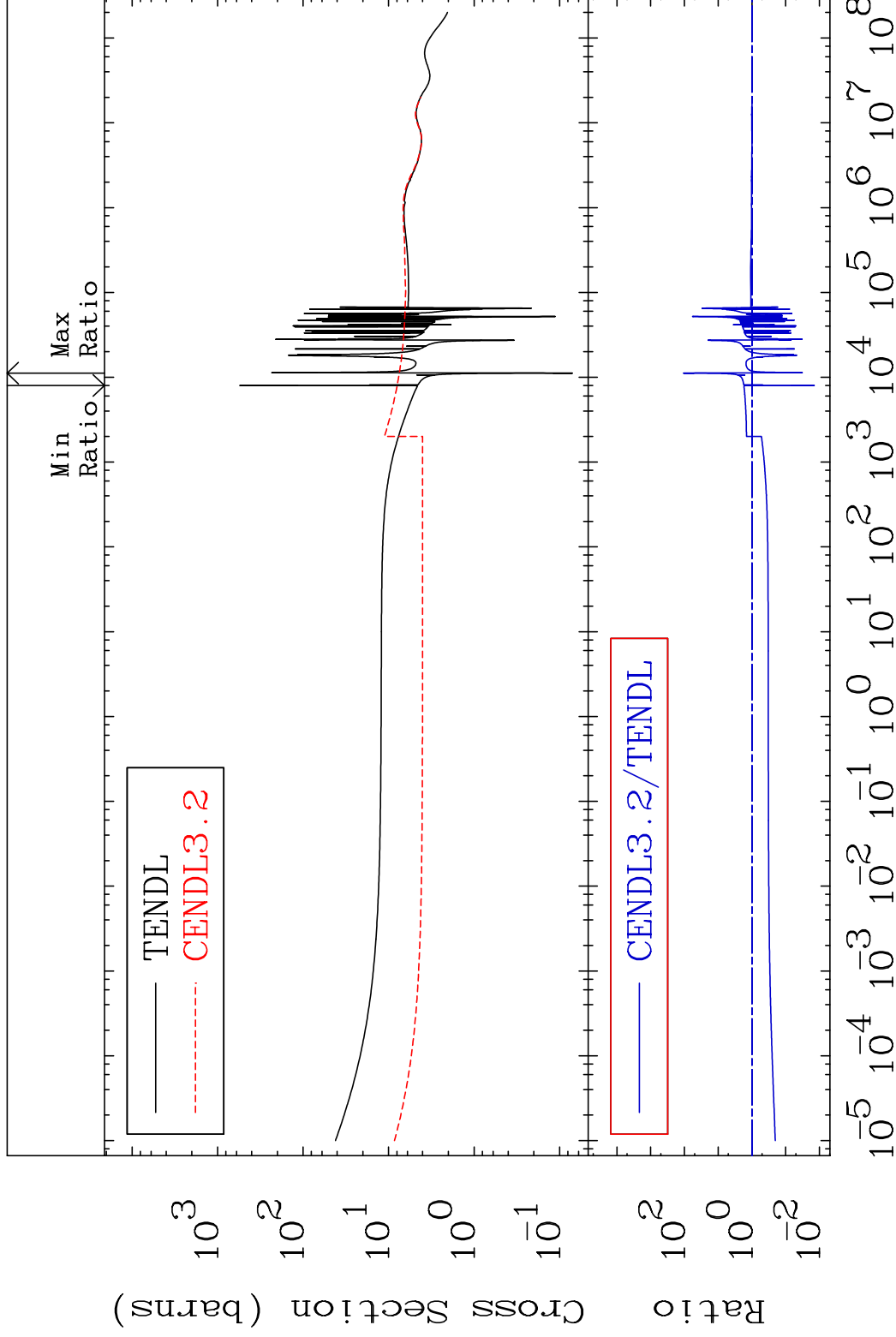
MAT 5067

Total

50-Sn-126

Cross Section

-98.56 To 9999. %



1

Incident Energy (eV)

50-Sn-126

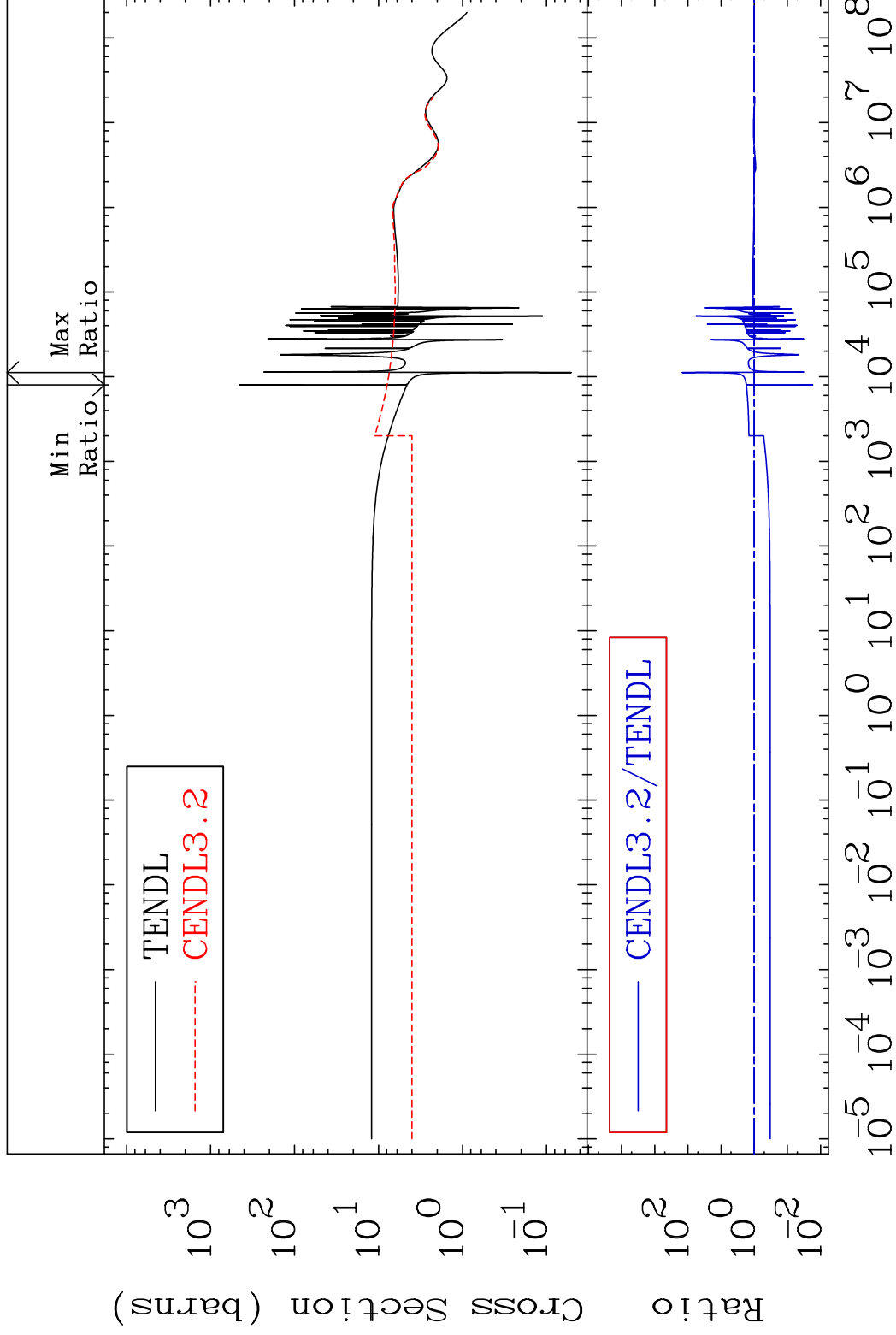
MAT 5067

Elastic

50-Sn-126

Cross Section

-98.26 To 9999. %

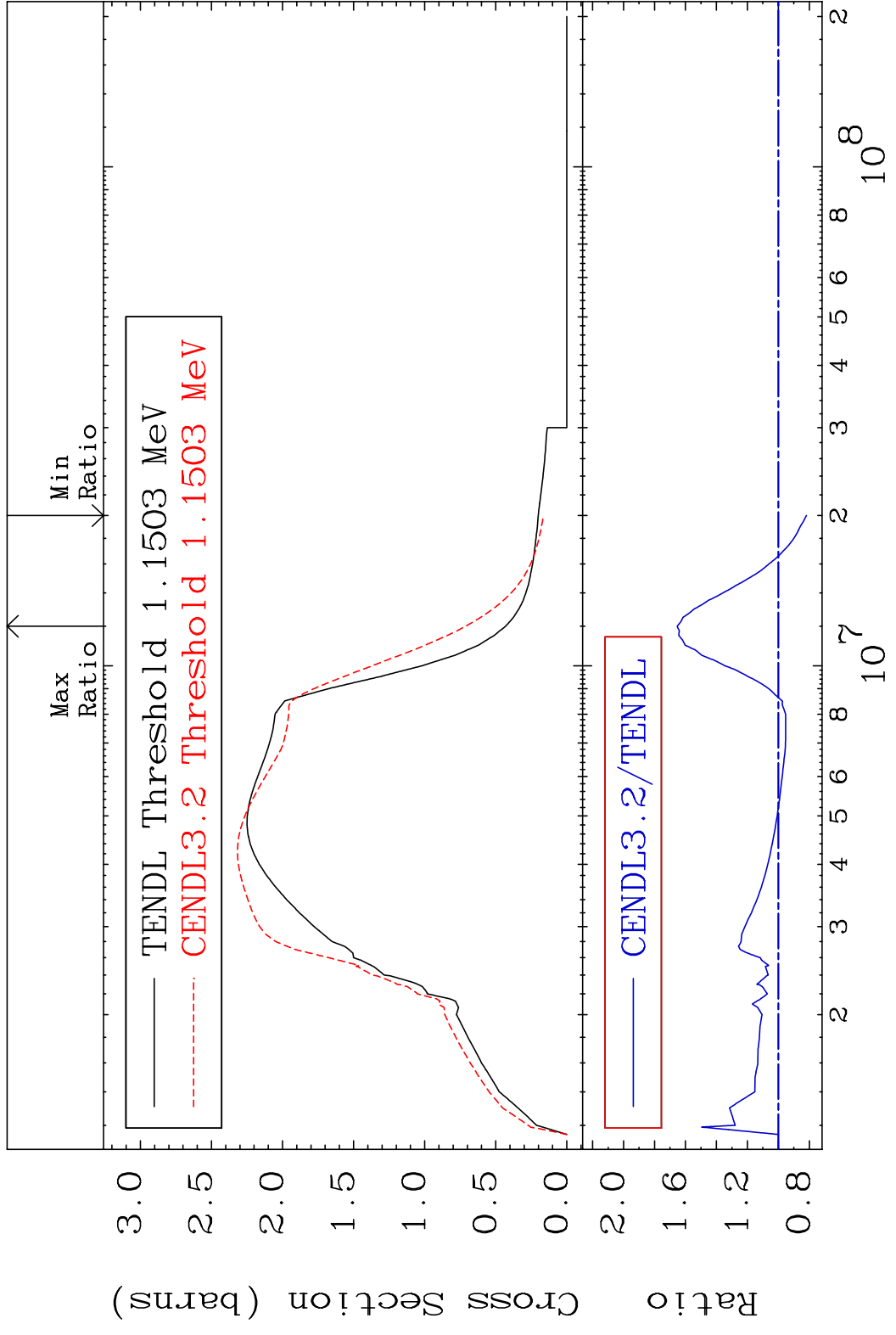


2

Incident Energy (eV)

50-Sn-126

MAT 5067 Inelastic 50-Sn-126  
 Cross Section -18.13 To 65.36 %

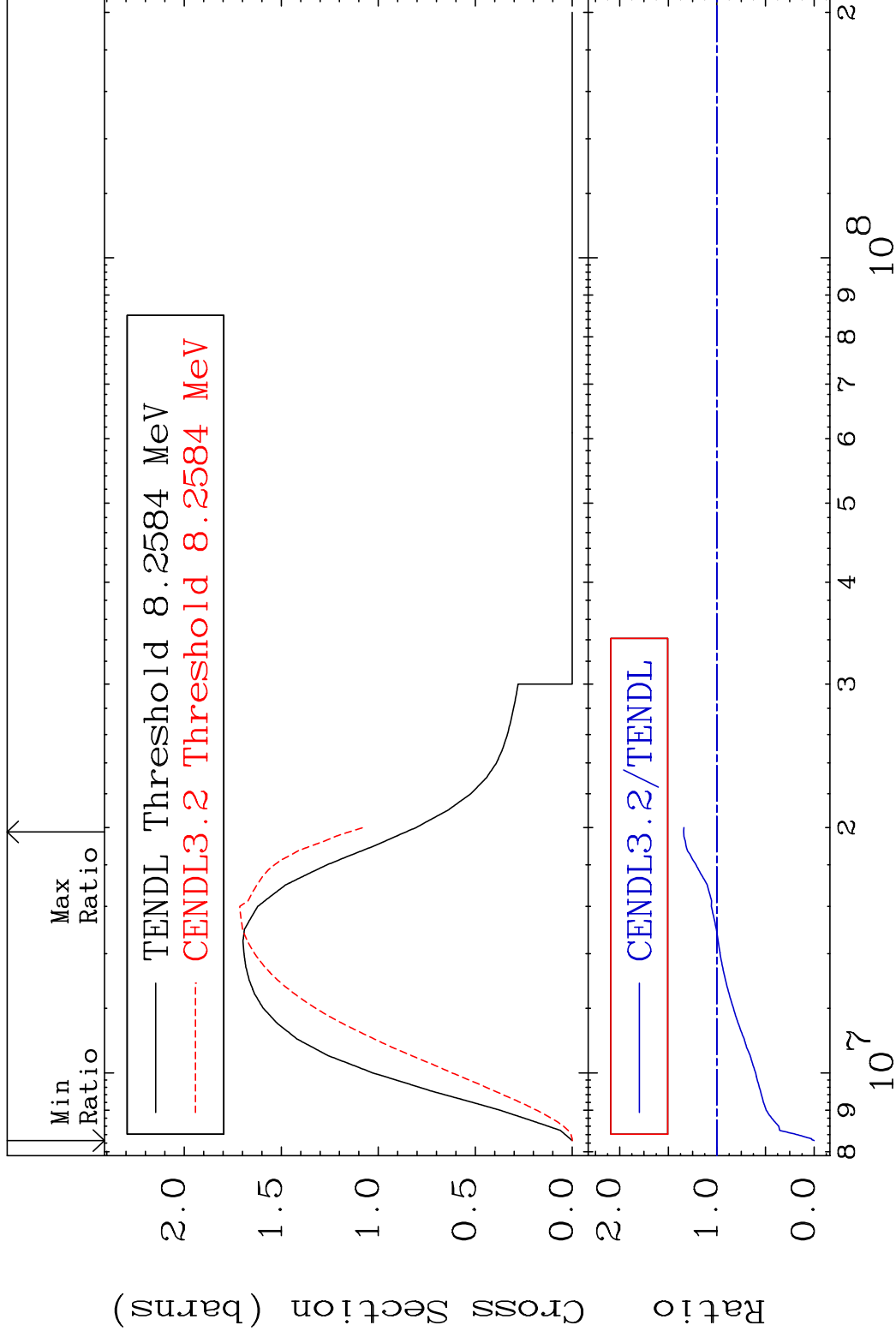


MAT 5067

(n,2n)

50-Sn-126

Cross Section -100.0 To 34.21 %



4

Incident Energy (eV)

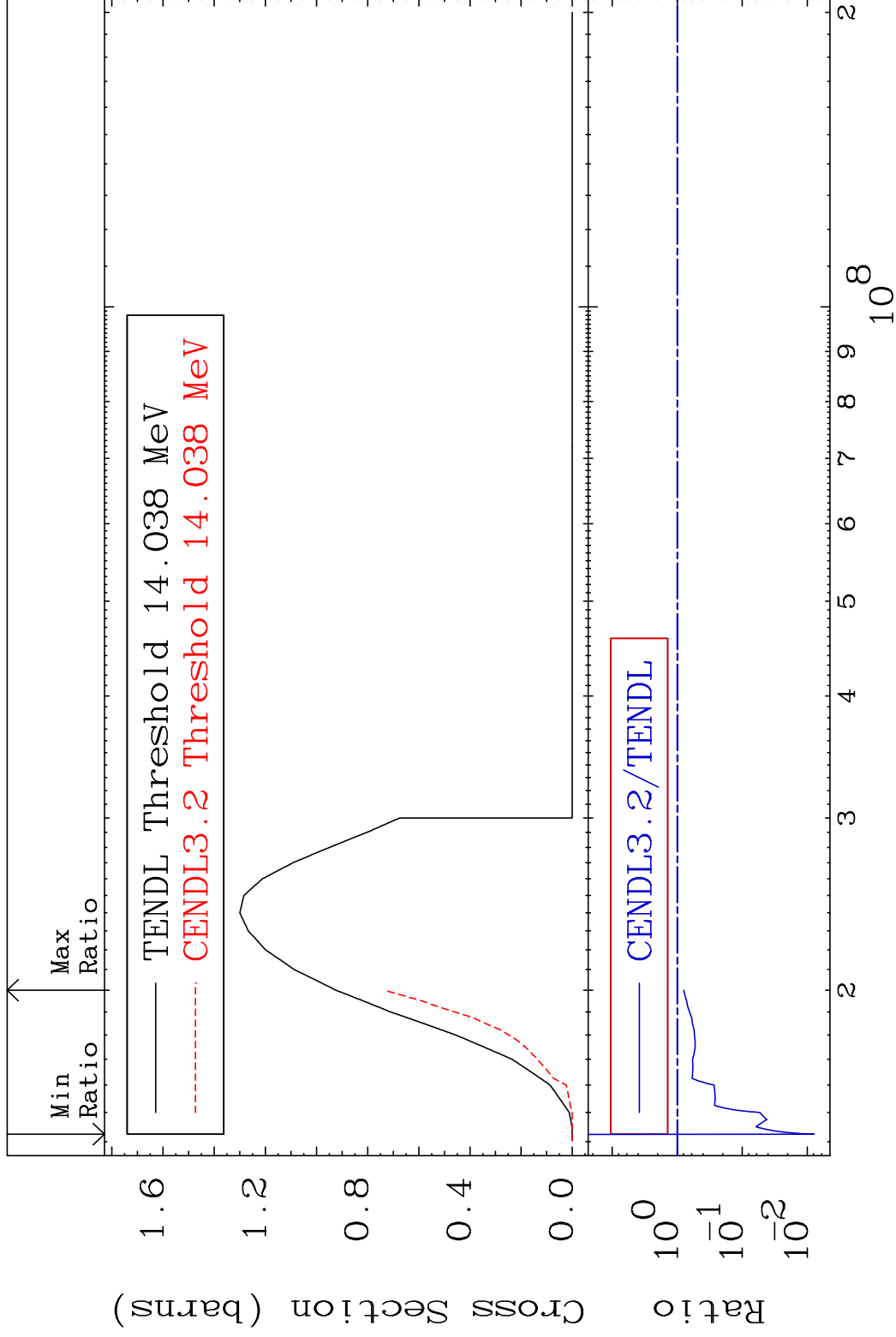
50-Sn-126

MAT 5067

(n,3n)

50-Sn-126

Cross Section -99.22 To -20.31%



5

Incident Energy (eV)

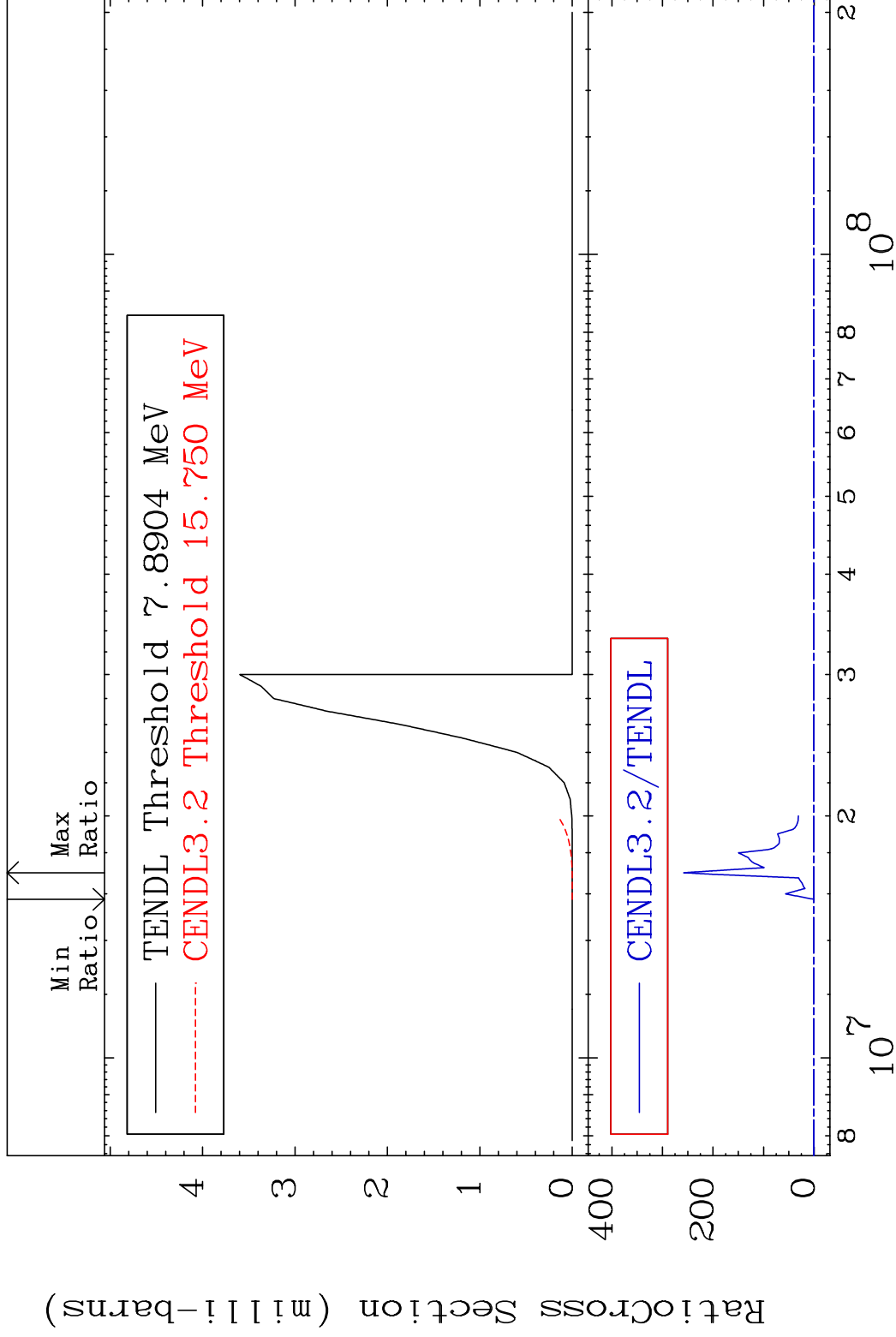
50-Sn-126

MAT 5067

(n, n')  $\alpha$

50-Sn-126

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

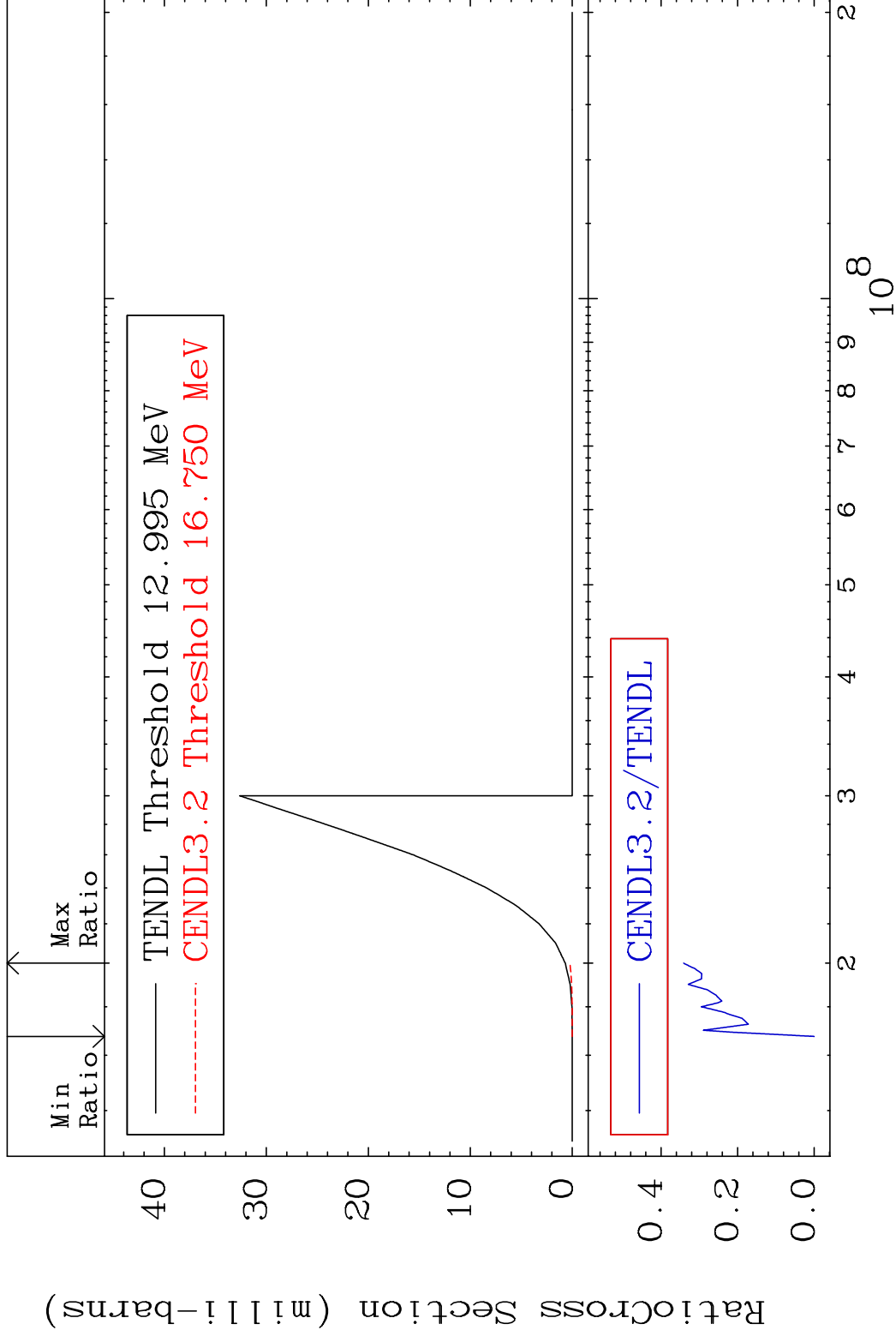
50-Sn-126

MAT 5067

(n, n') p

50-Sn-126

Cross Section -100.0 To -65.88%



7

Incident Energy (eV)

50-Sn-126

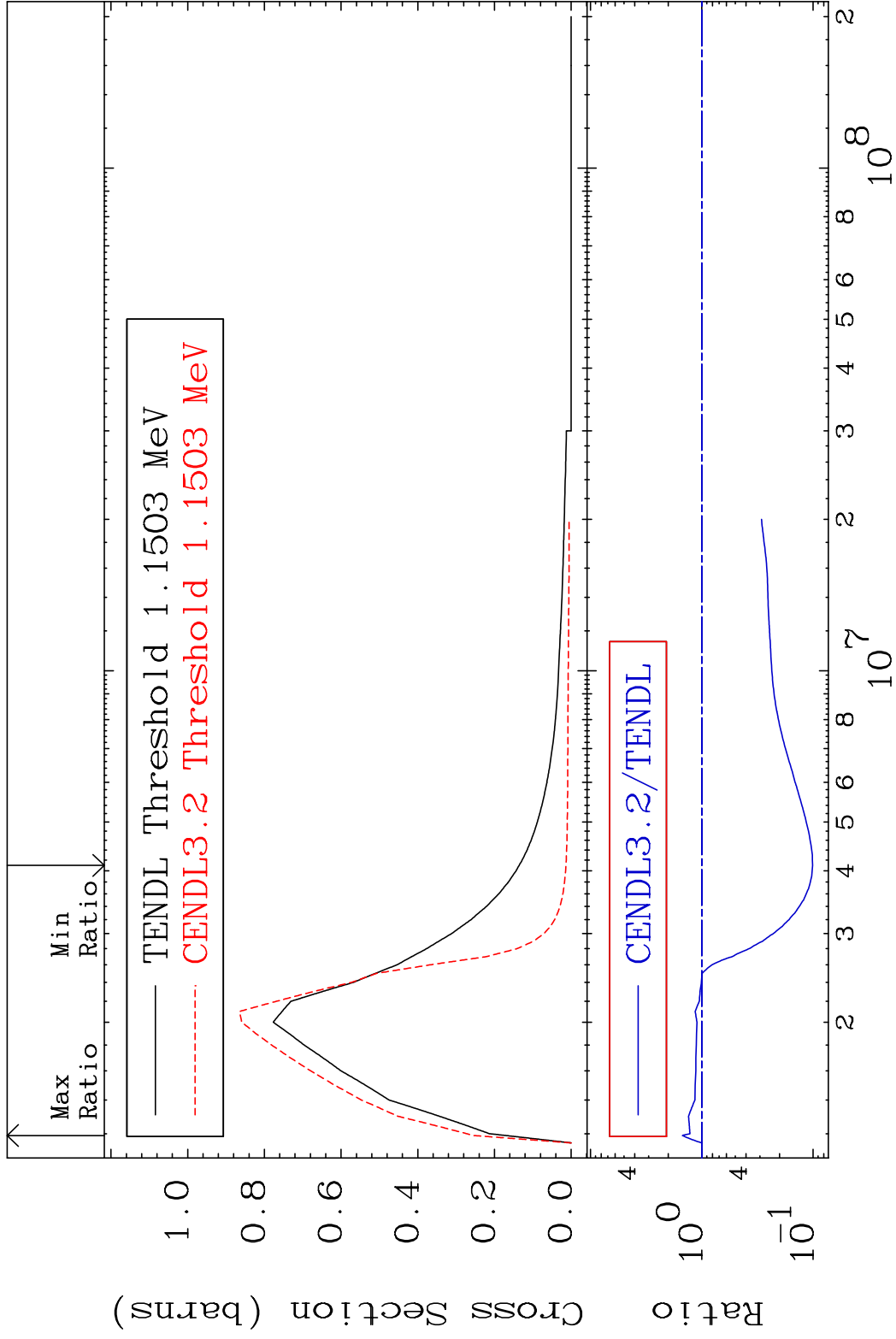


MAT 5067

MT= 51 (n,n') Level

50-Sn-126

Cross Section -89.89 To 49.53 %

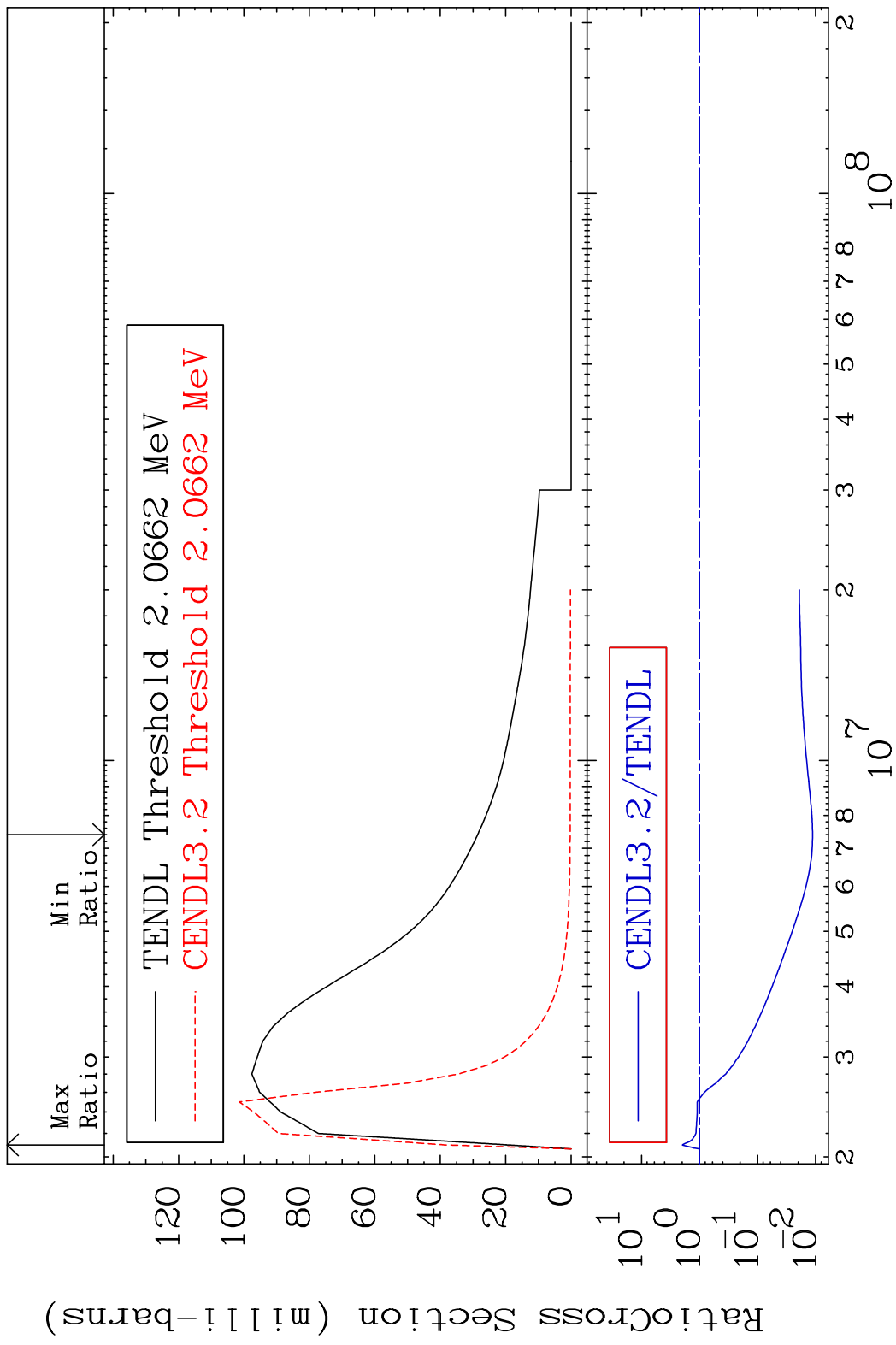


8

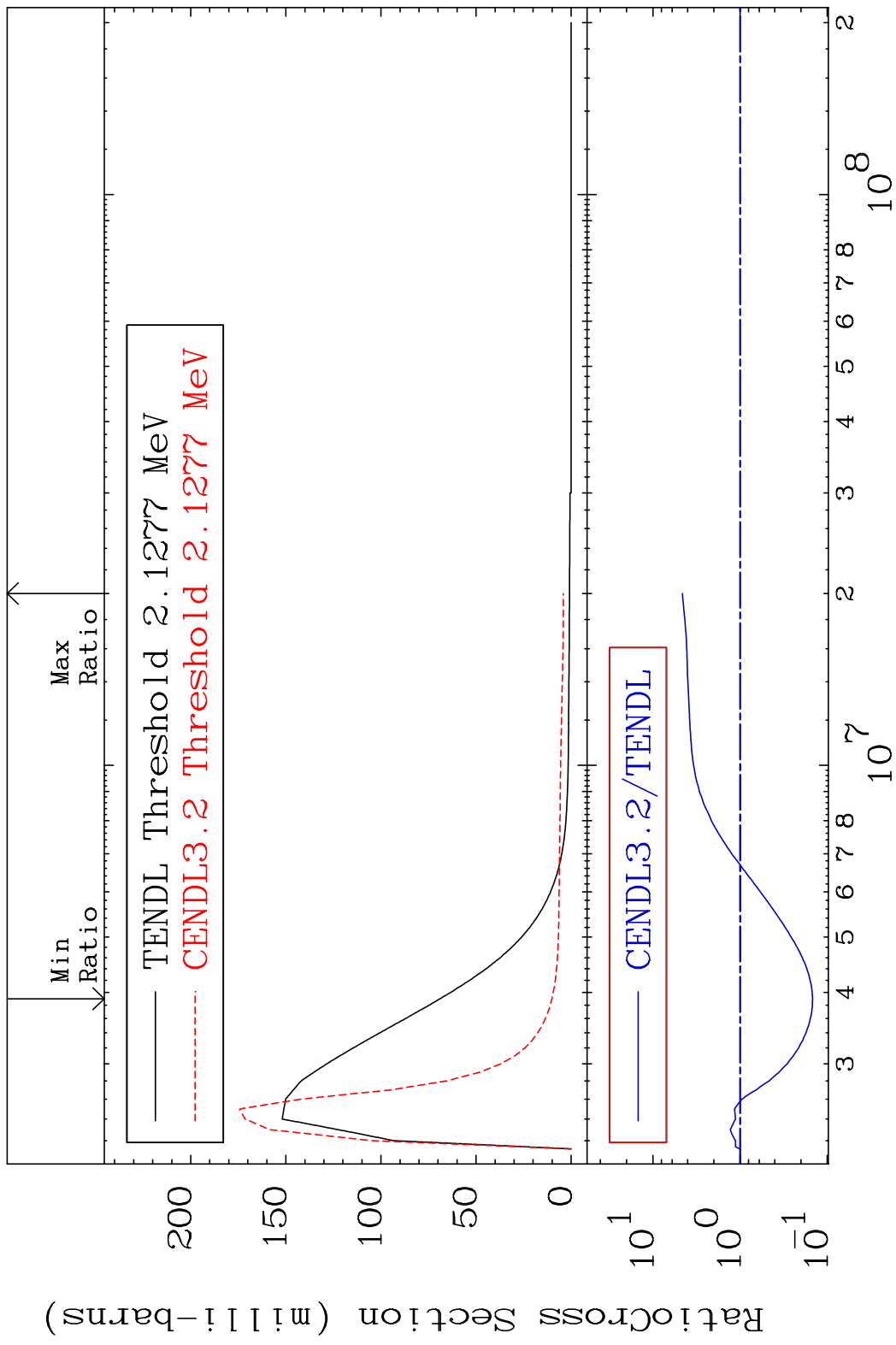
Incident Energy (eV)

50-Sn-126

MAT 5067 MT= 52 (n,n') Level 50-Sn-126  
 Cross Section -98.87 To 97.88 %

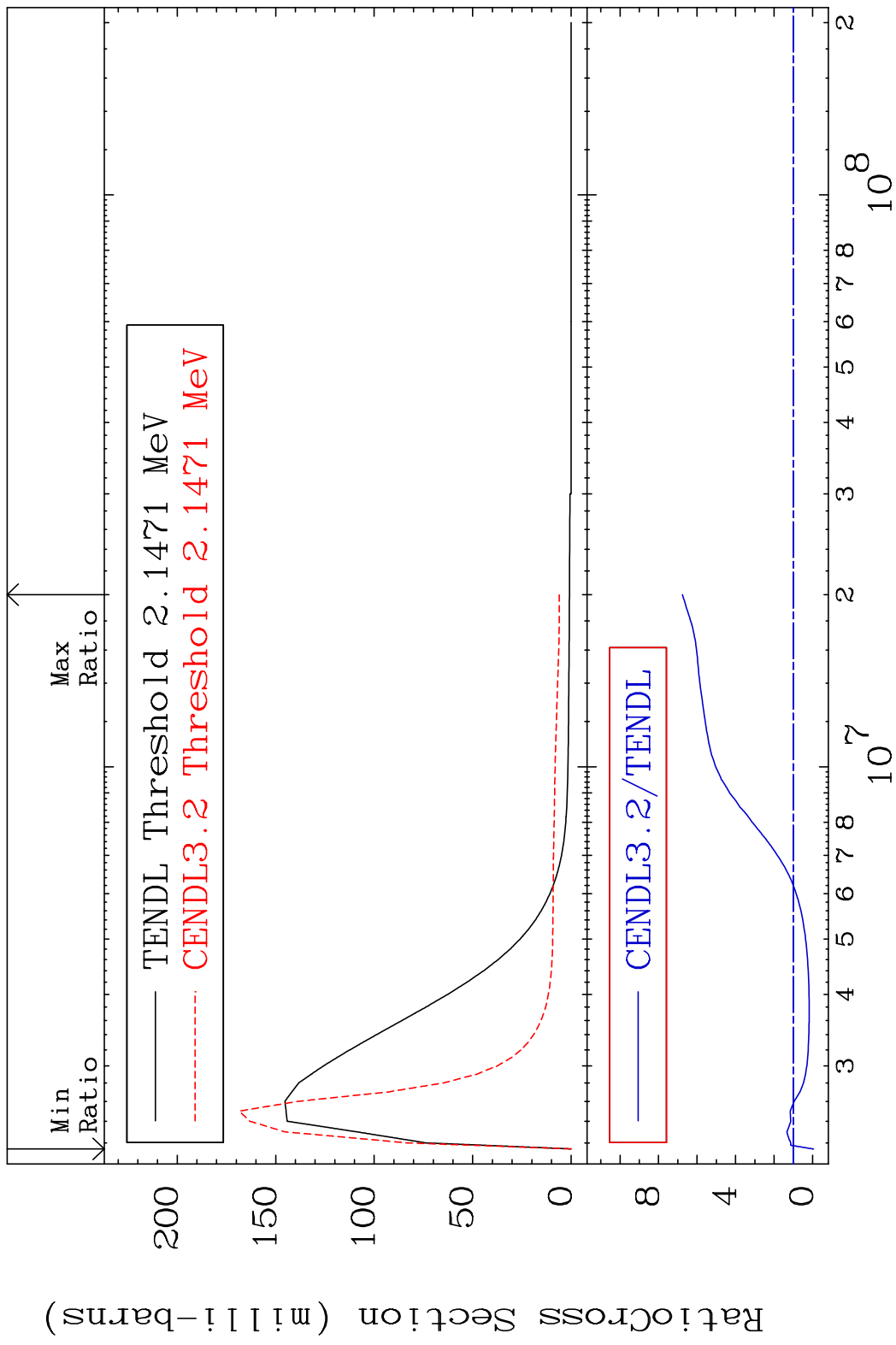


MAT 5067 MT= 53 (n, n') Level 50-Sn-126  
 Cross Section -85.31 To 358.6 %

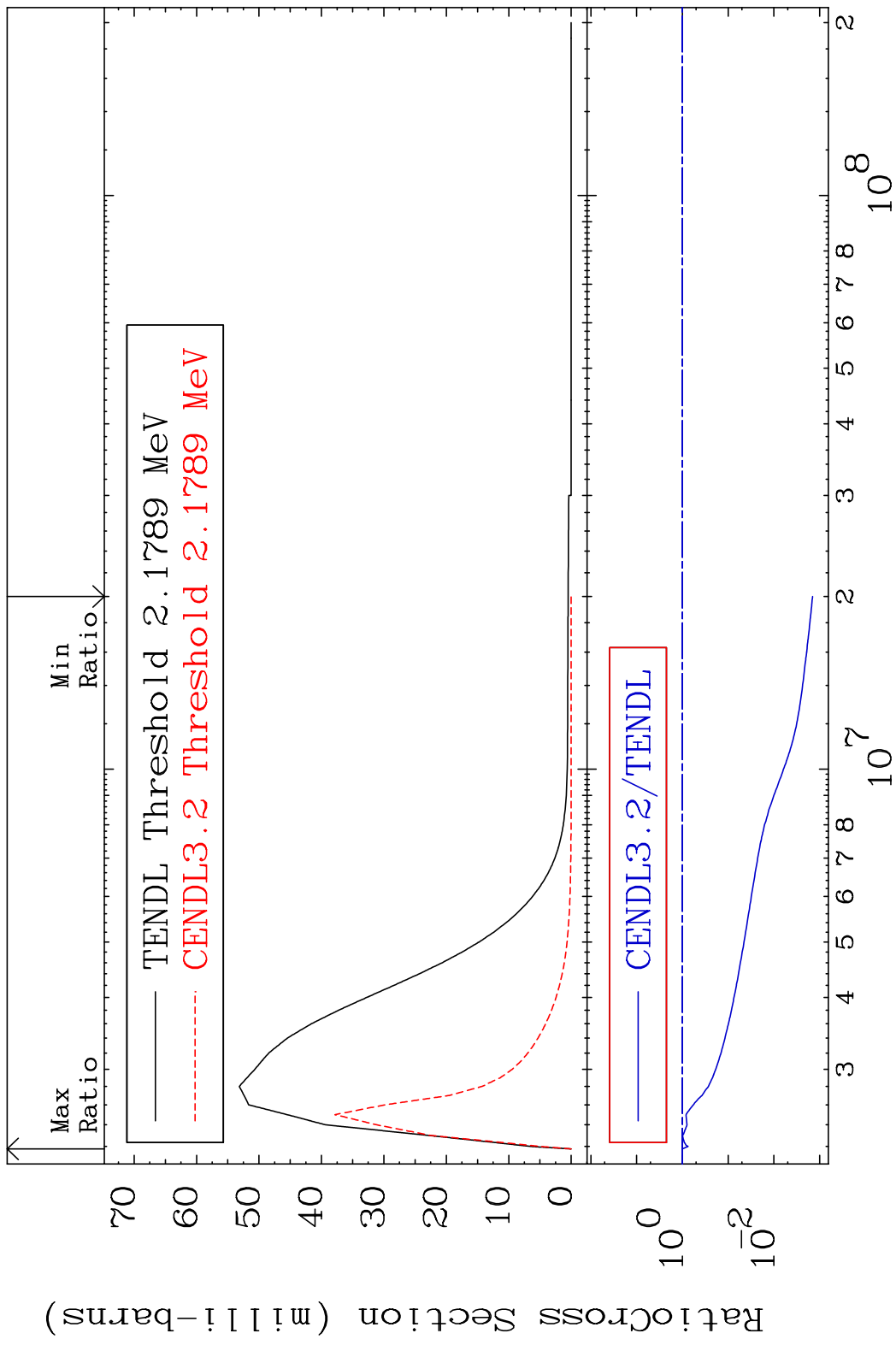


10 Incident Energy (eV) 50-Sn-126

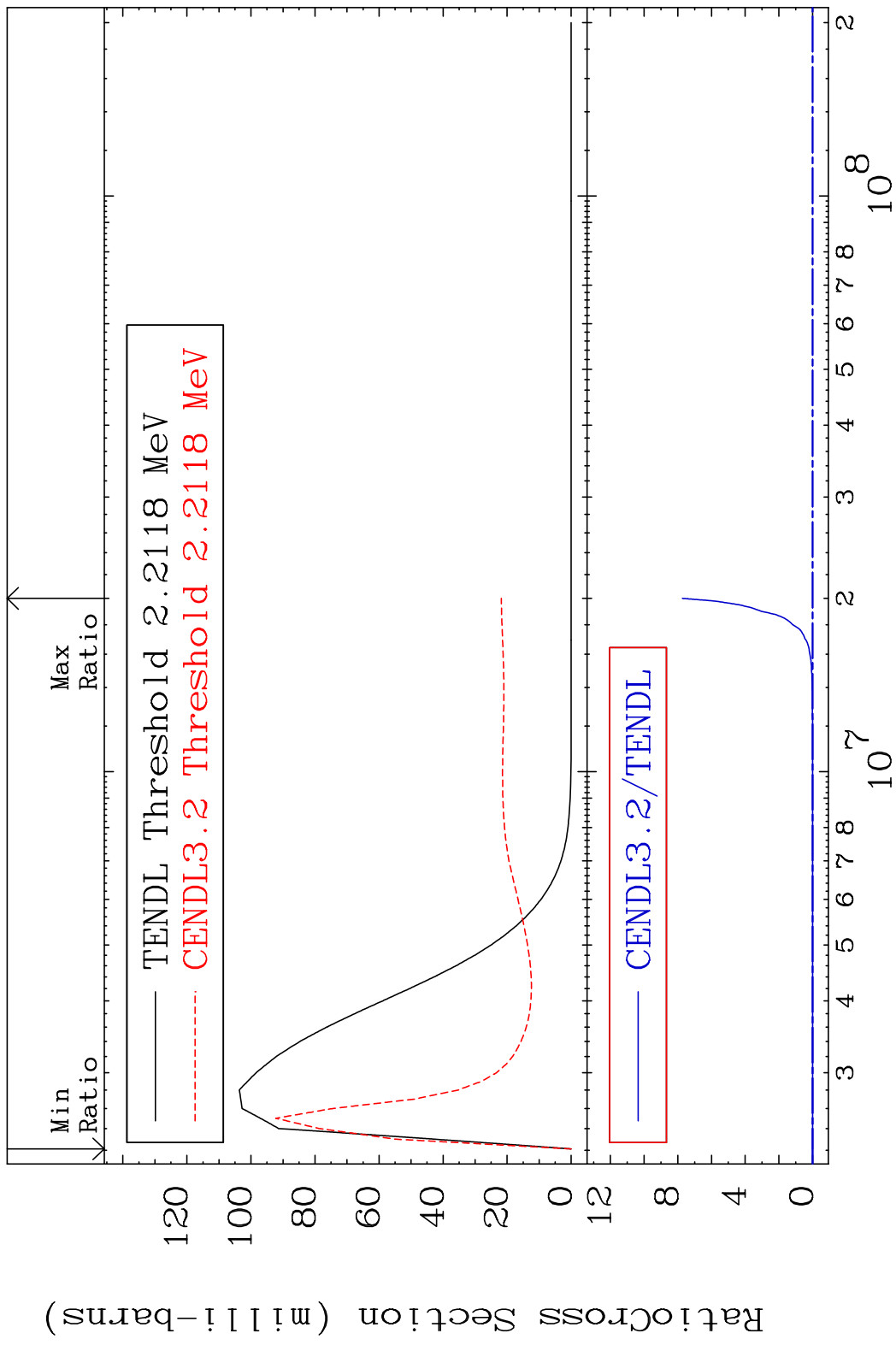
MAT 5067 MT= 54 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 576.3 %



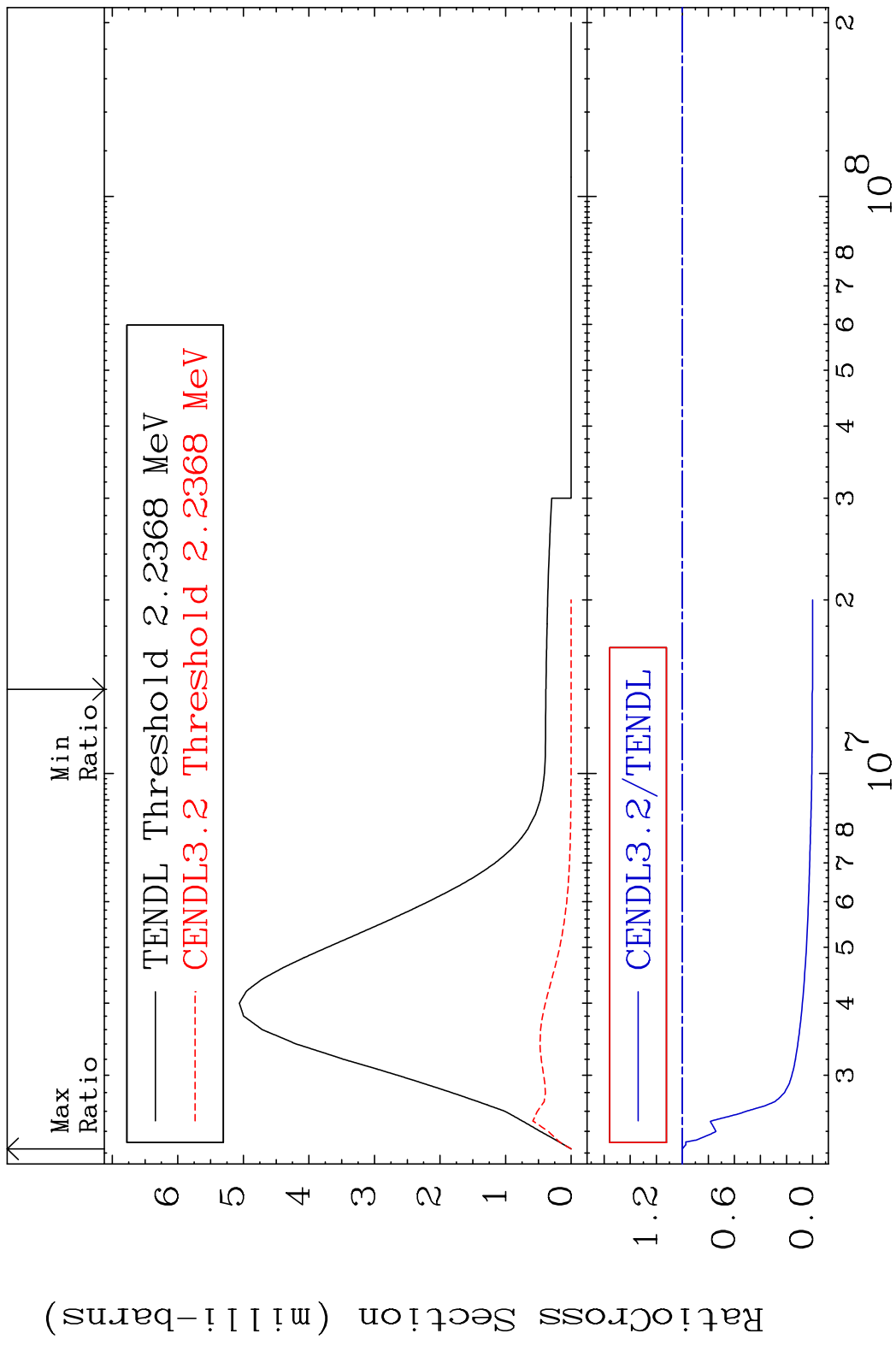
MAT 5067 MT= 55 (n, n') Level 50-Sn-126  
 Cross Section -99.86 To 0.000 %



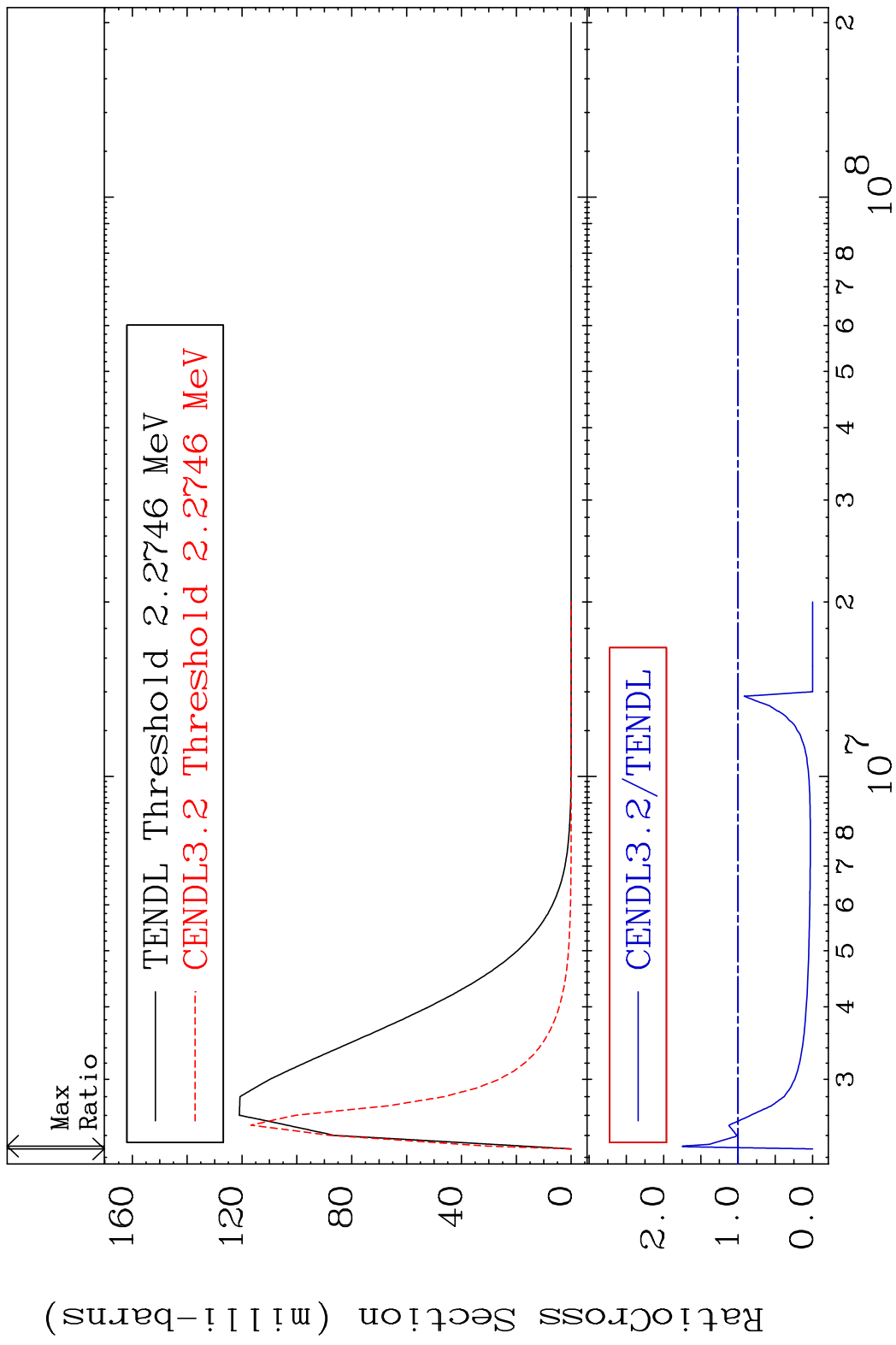
MAT 5067 MT= 56 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



MAT 5067 MT= 57 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %

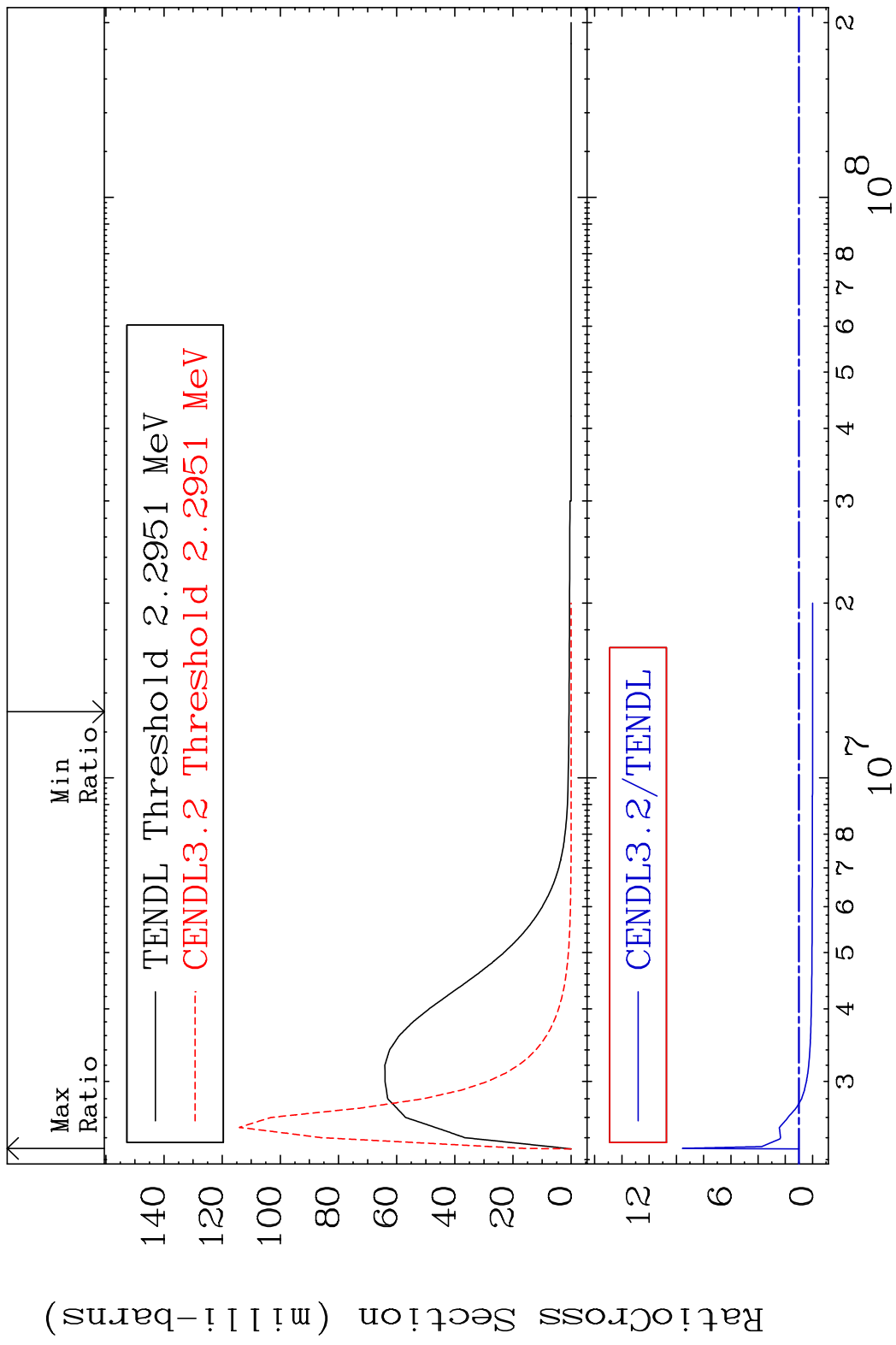


MAT 5067 MT= 58 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 74.79 %

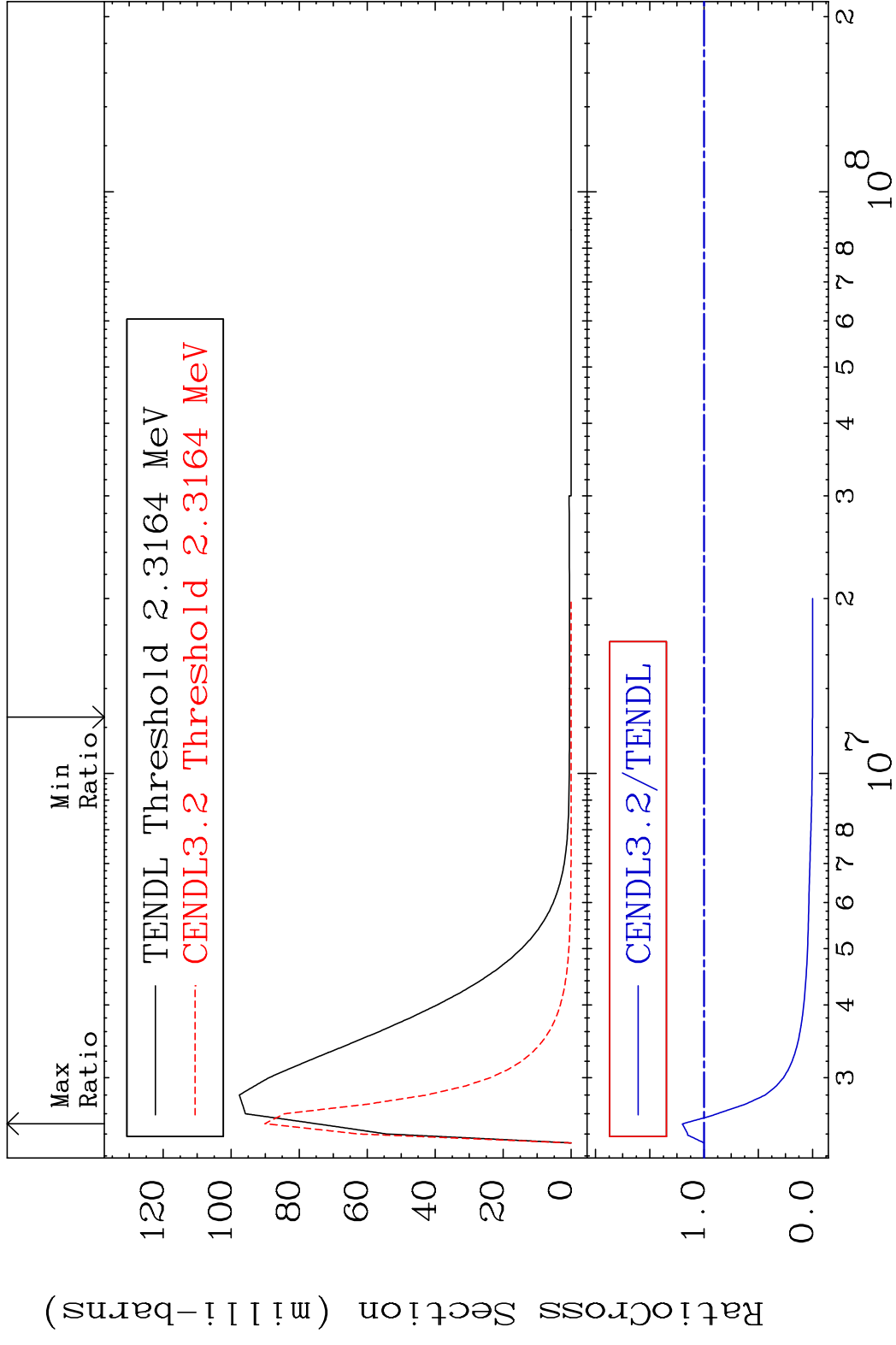




MAT 5067 MT= 59 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 856.2 %

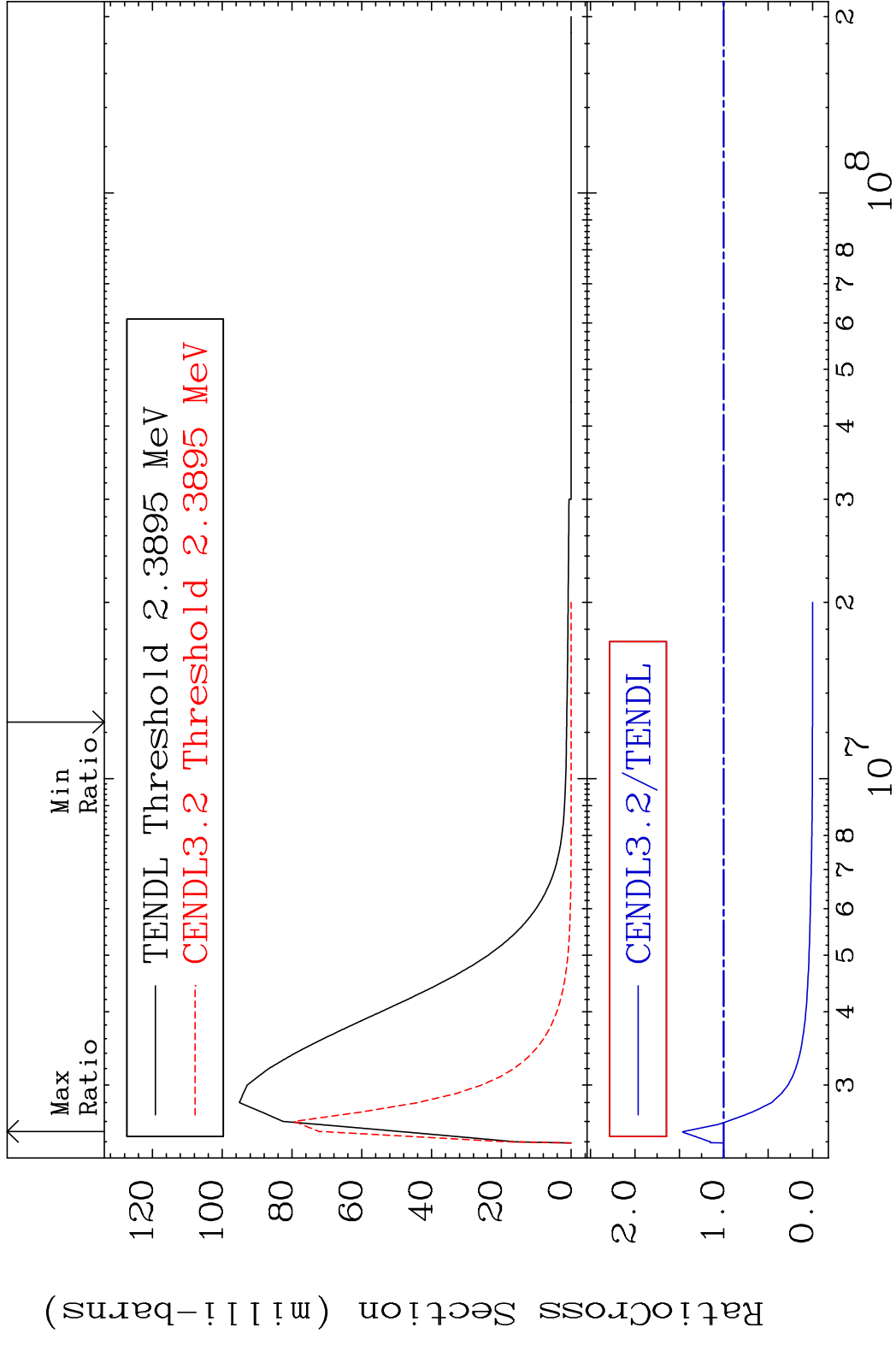


MAT 5067 MT= 60 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 20.01 %



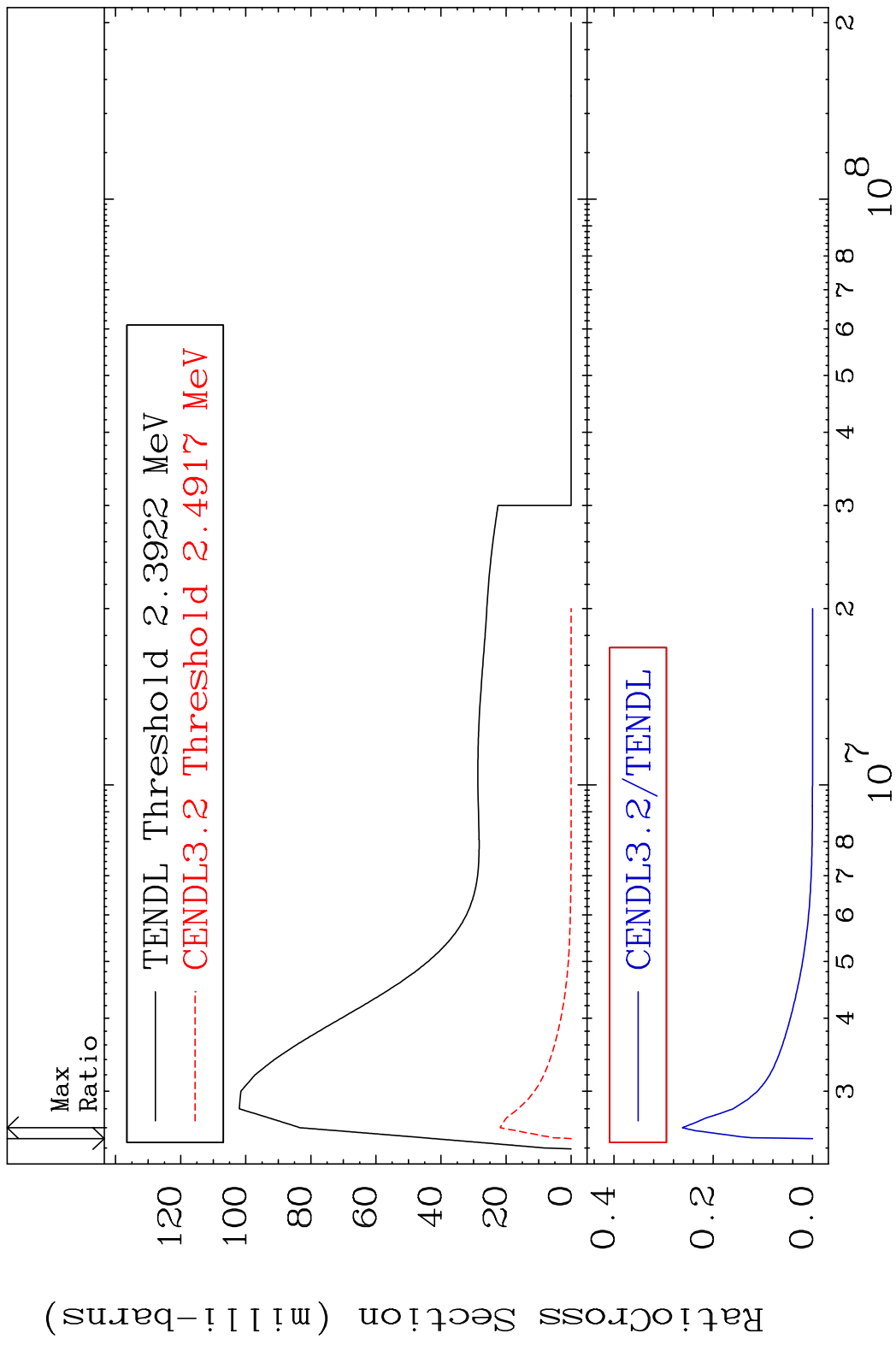
17 Incident Energy (eV) 50-Sn-126

MAT 5067 MT= 61 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 46.64 %

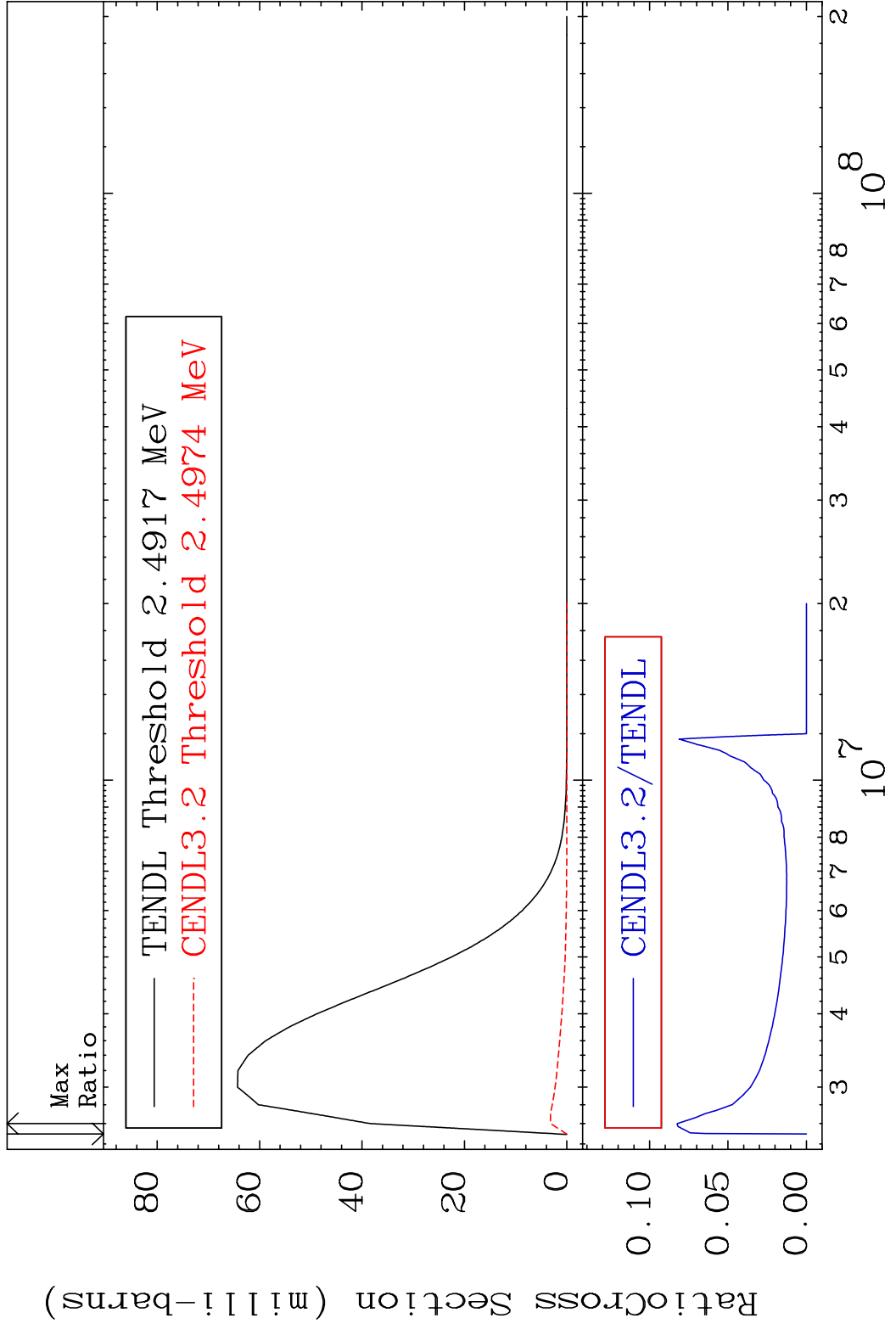


18 Incident Energy (eV) 50-Sn-126

MAT 5067 MT= 62 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To -73.78%

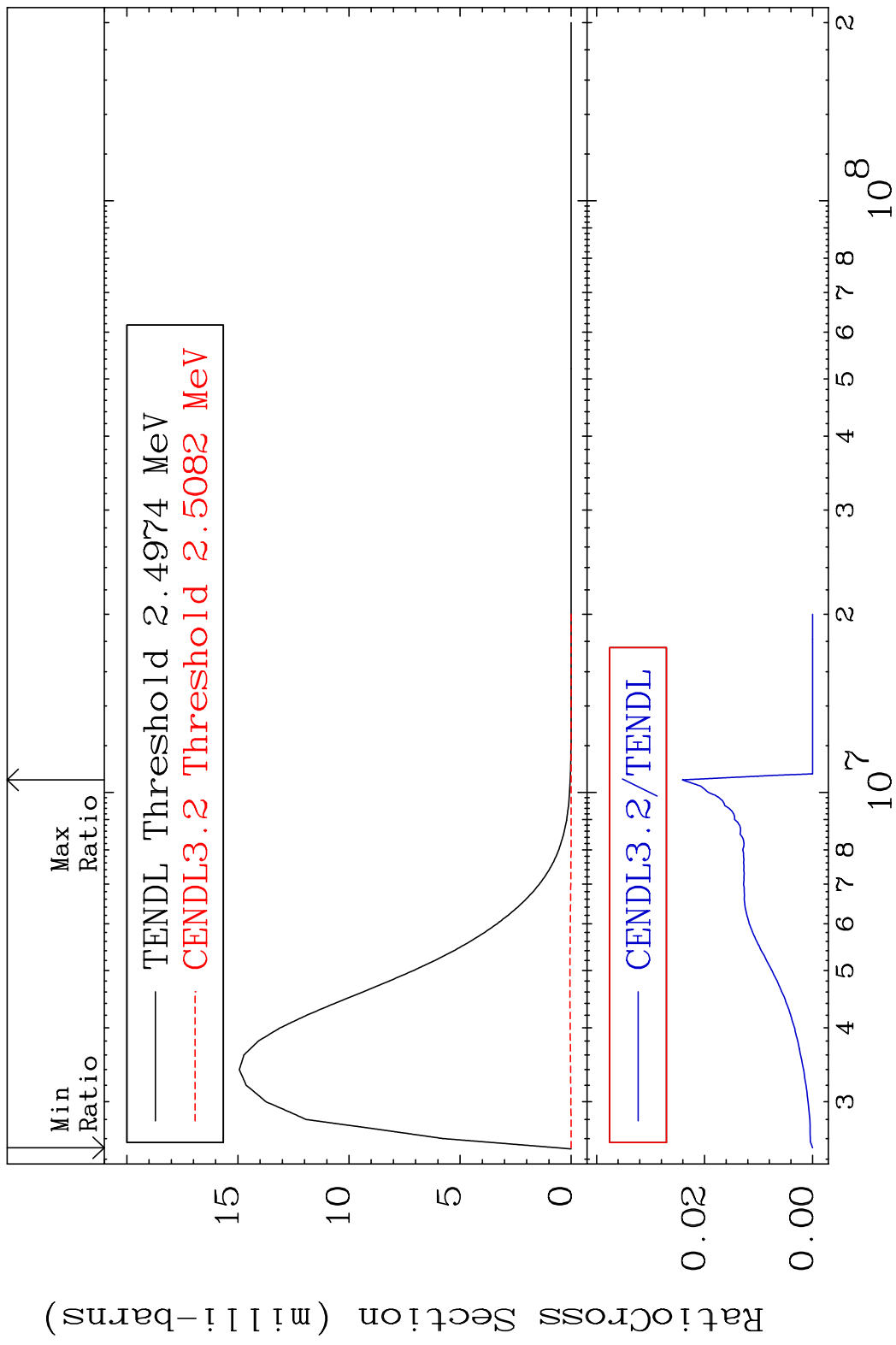


MAT 5067 MT= 63 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To -91.76%



20 Incident Energy (eV) 50-Sn-126

MAT 5067 MT= 64 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To -97.59%

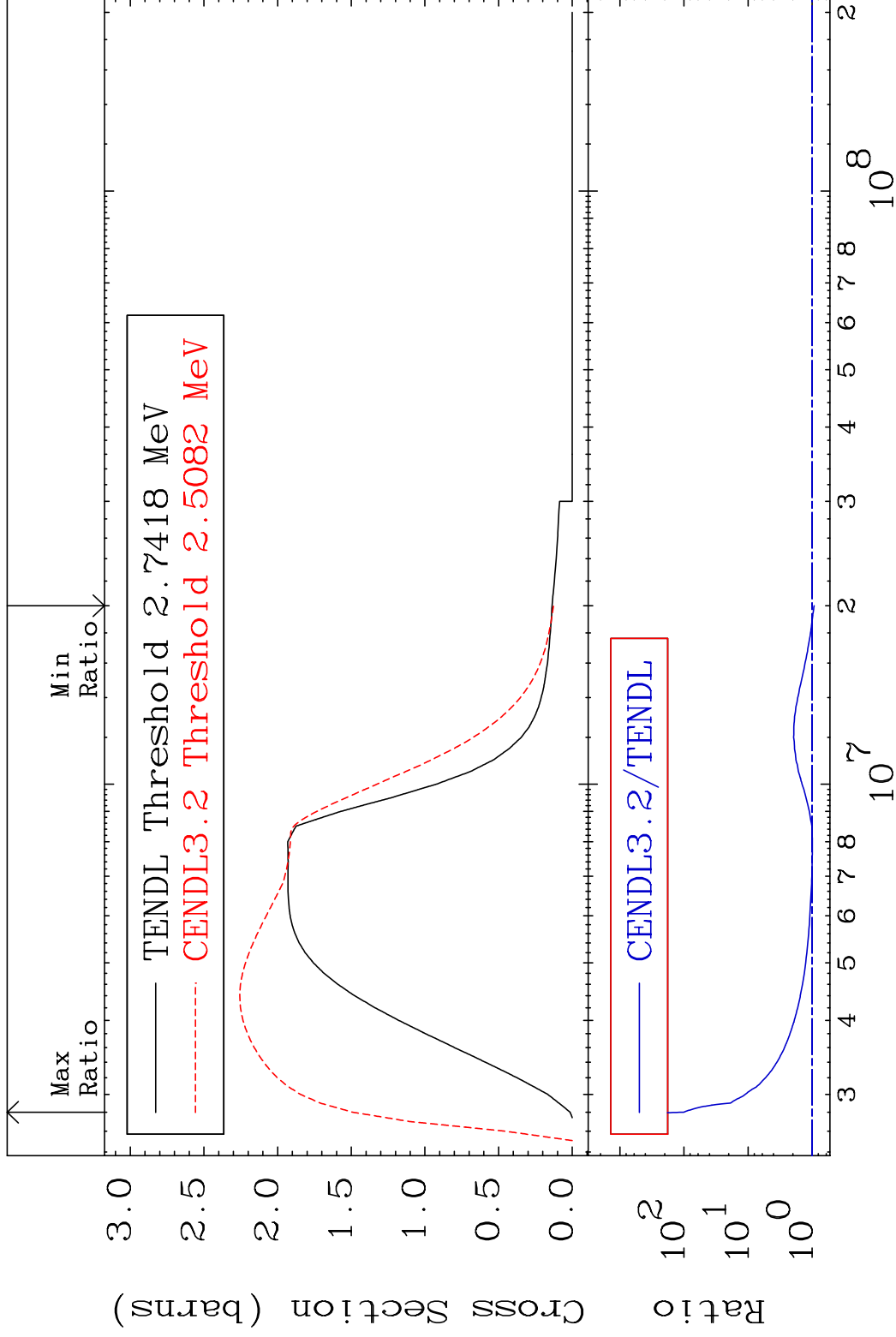


MAT 5067

(n,n') Continuum

50-Sn-126

Cross Section -6.883 To 9999. %



22

Incident Energy (eV)

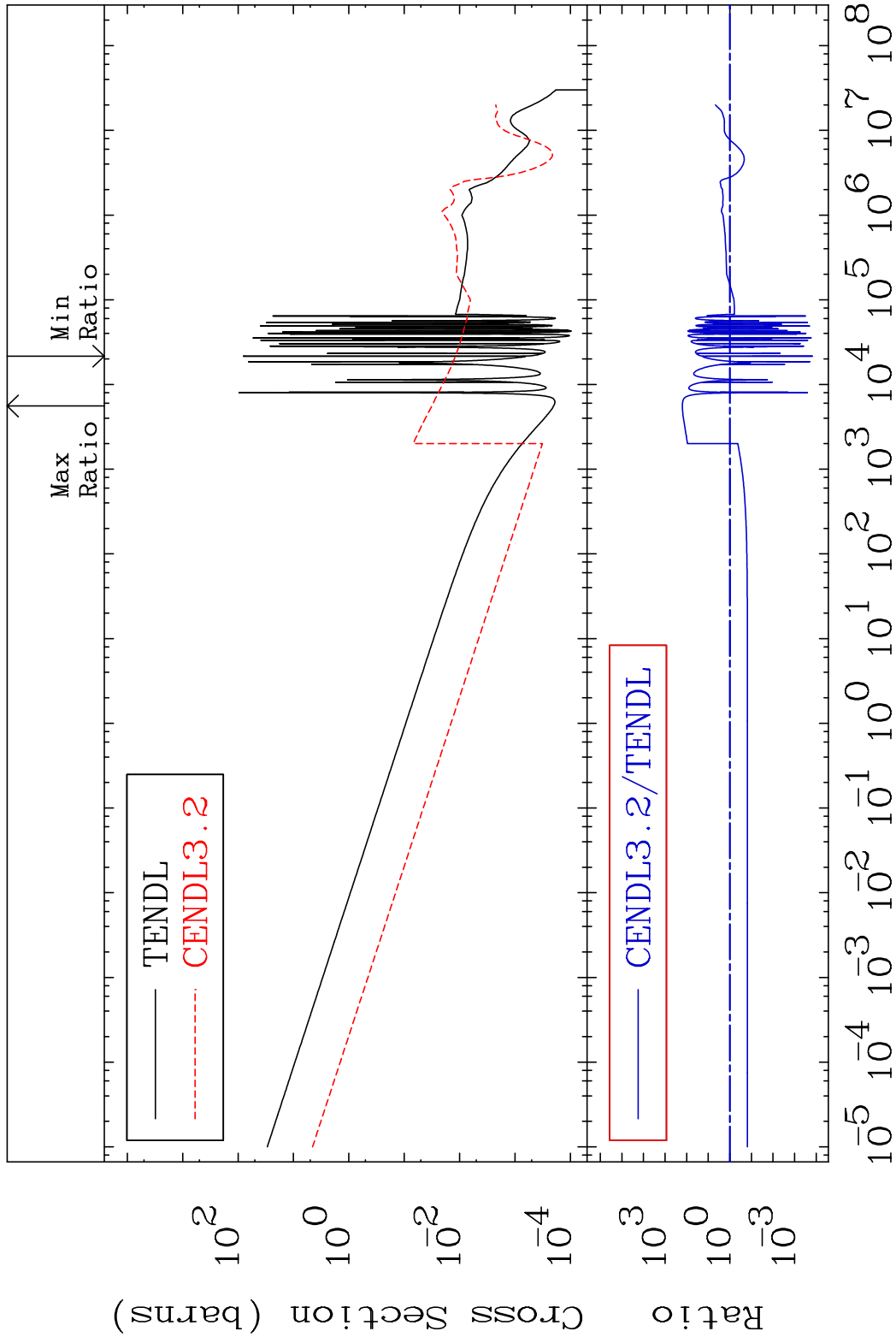
50-Sn-126

MAT 5067

(n,  $\gamma$ )

50-Sn-126

Cross Section -99.99 To 9999. %



23

Incident Energy (eV)

50-Sn-126

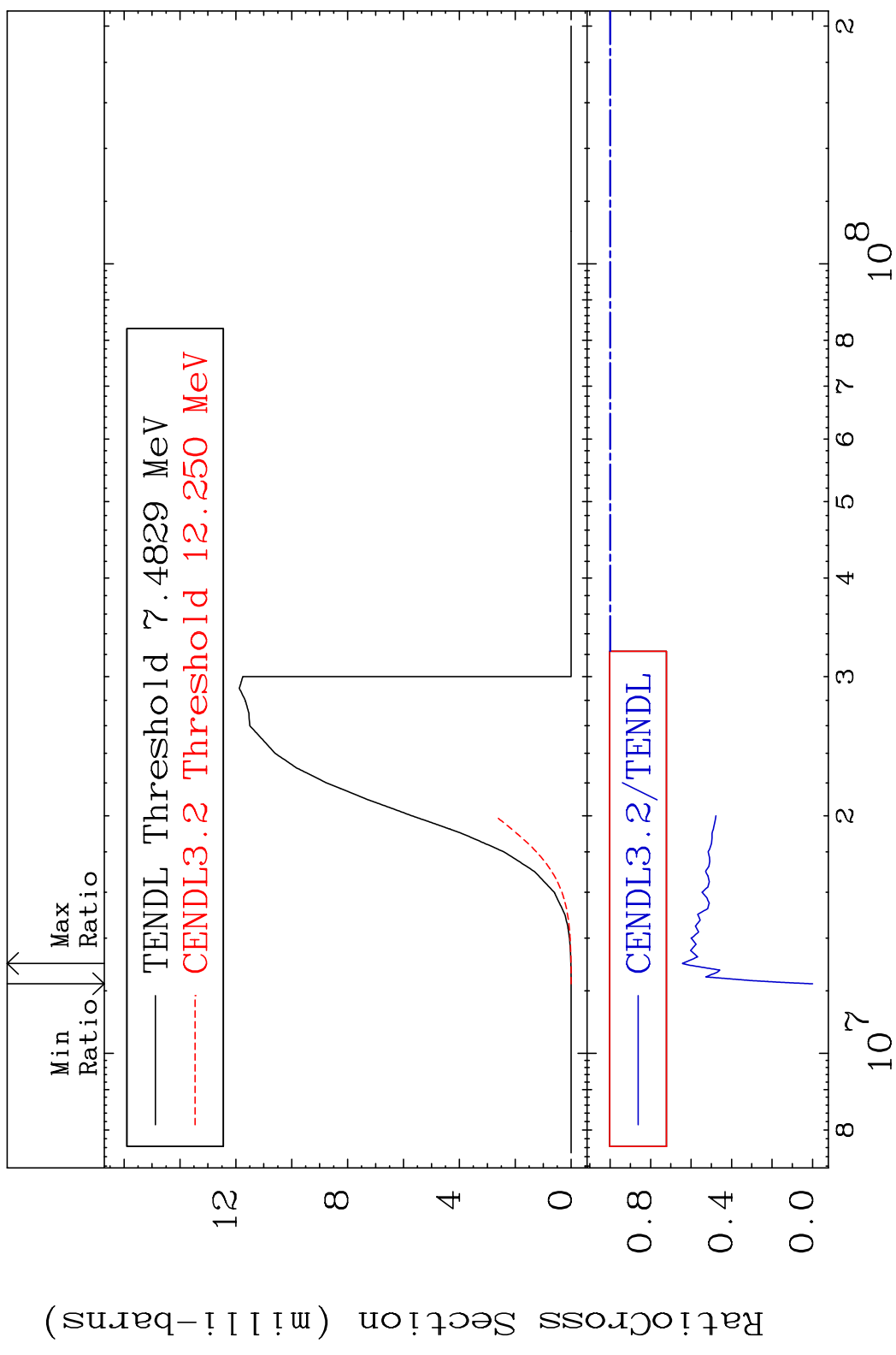


MAT 5067

(n,p)

50-Sn-126

Cross Section -100.0 To -35.68%

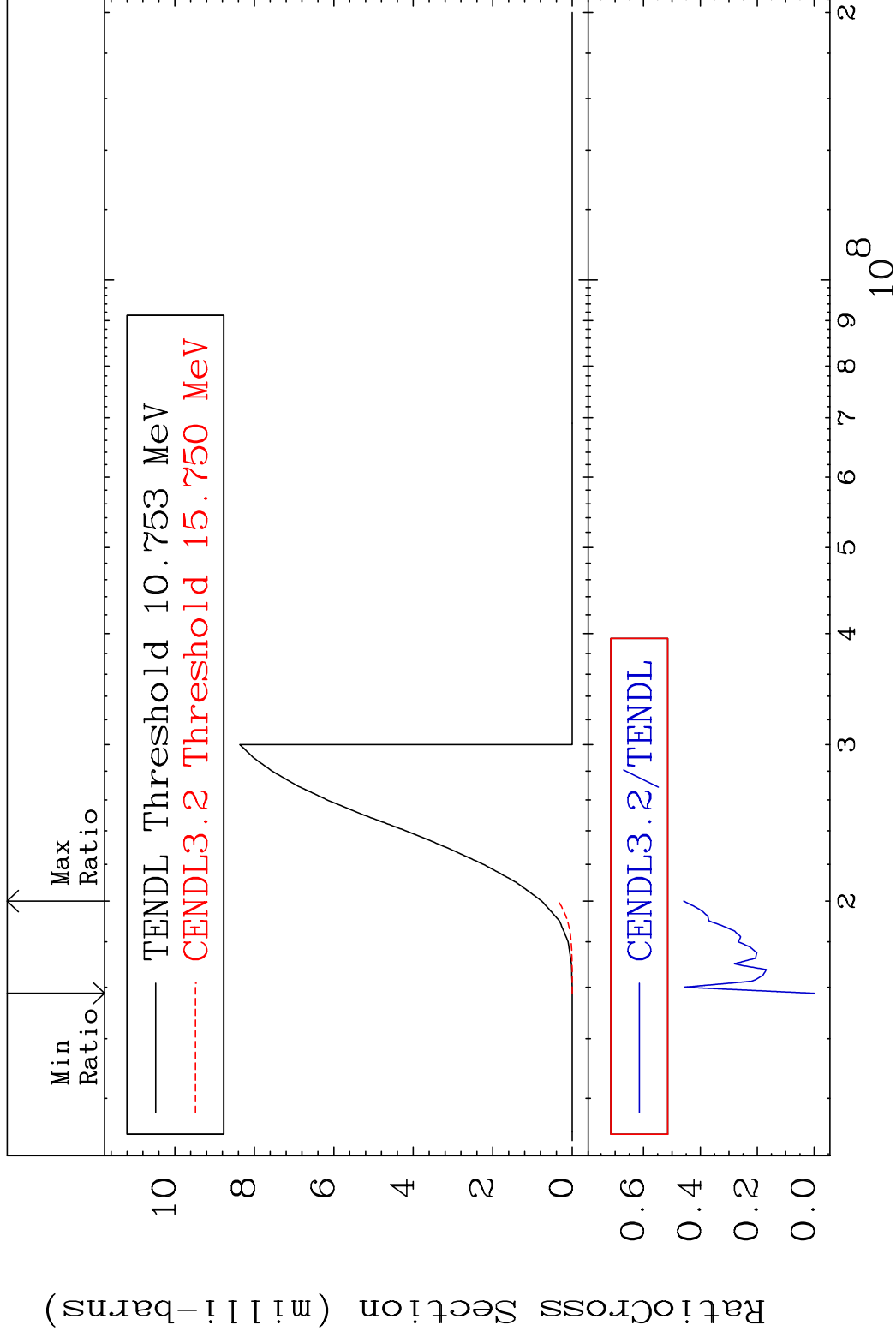


MAT 5067

(n,d)

50-Sn-126

Cross Section -100.0 To -54.11%

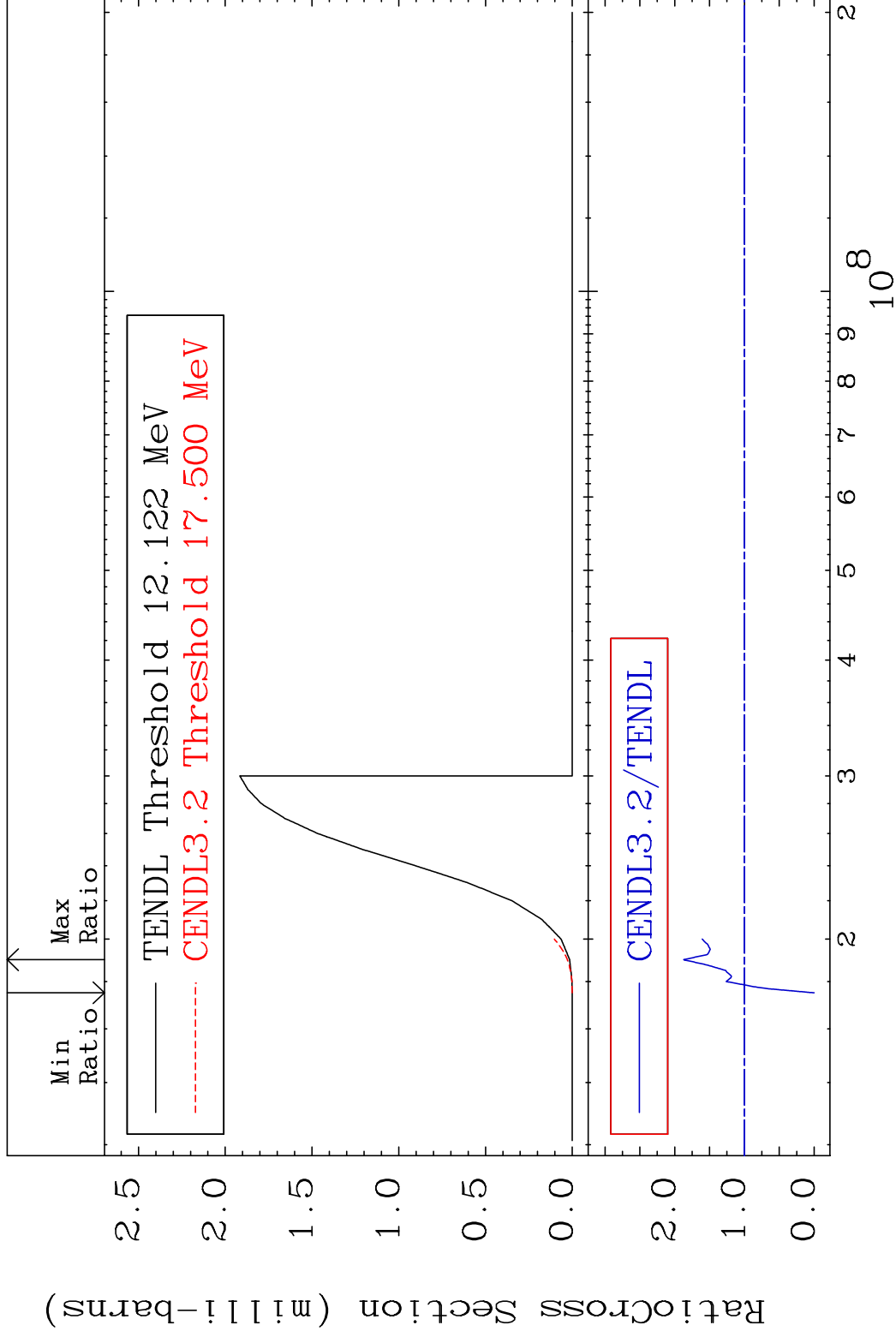


MAT 5067

(n, t)

50-Sn-126

Cross Section -100.0 To 87.16 %



26

Incident Energy (eV)

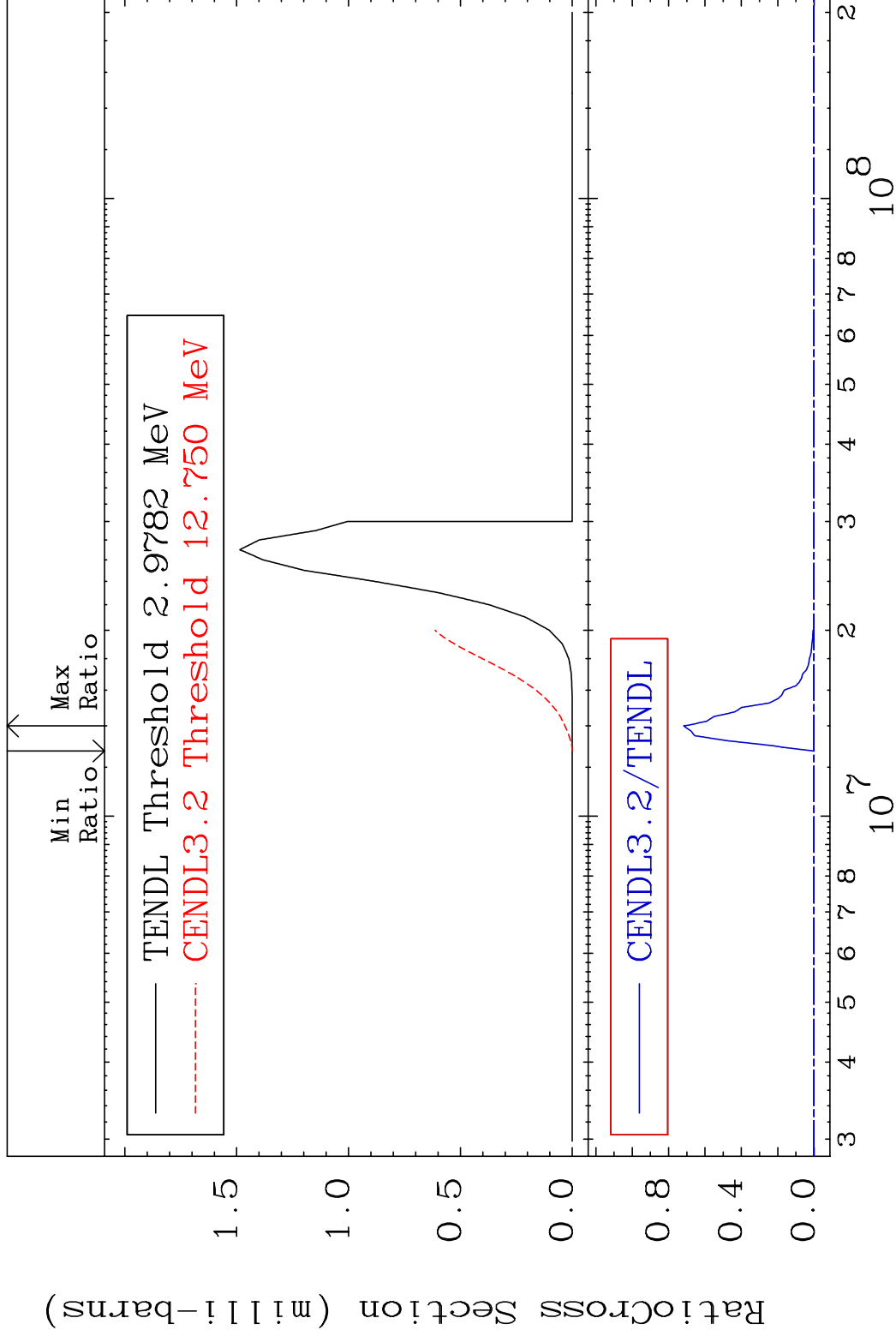
50-Sn-126

MAT 5067

(n,  $\alpha$ )

50-Sn-126

Cross Section -100.0 To 9999. %

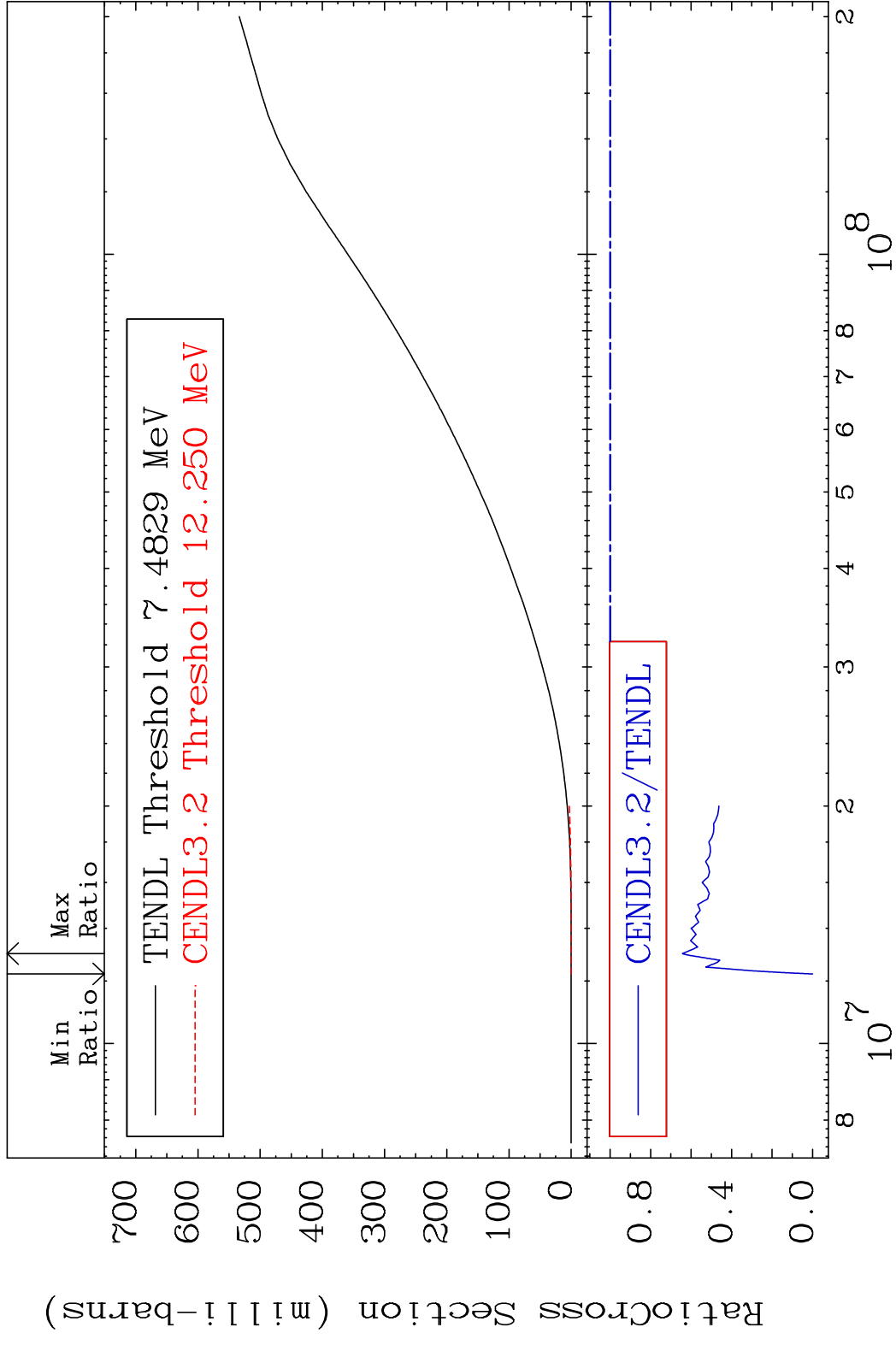


MAT 5067

Hydrogen Production

50-Sn-126

Cross Section -100.0 To -35.68%

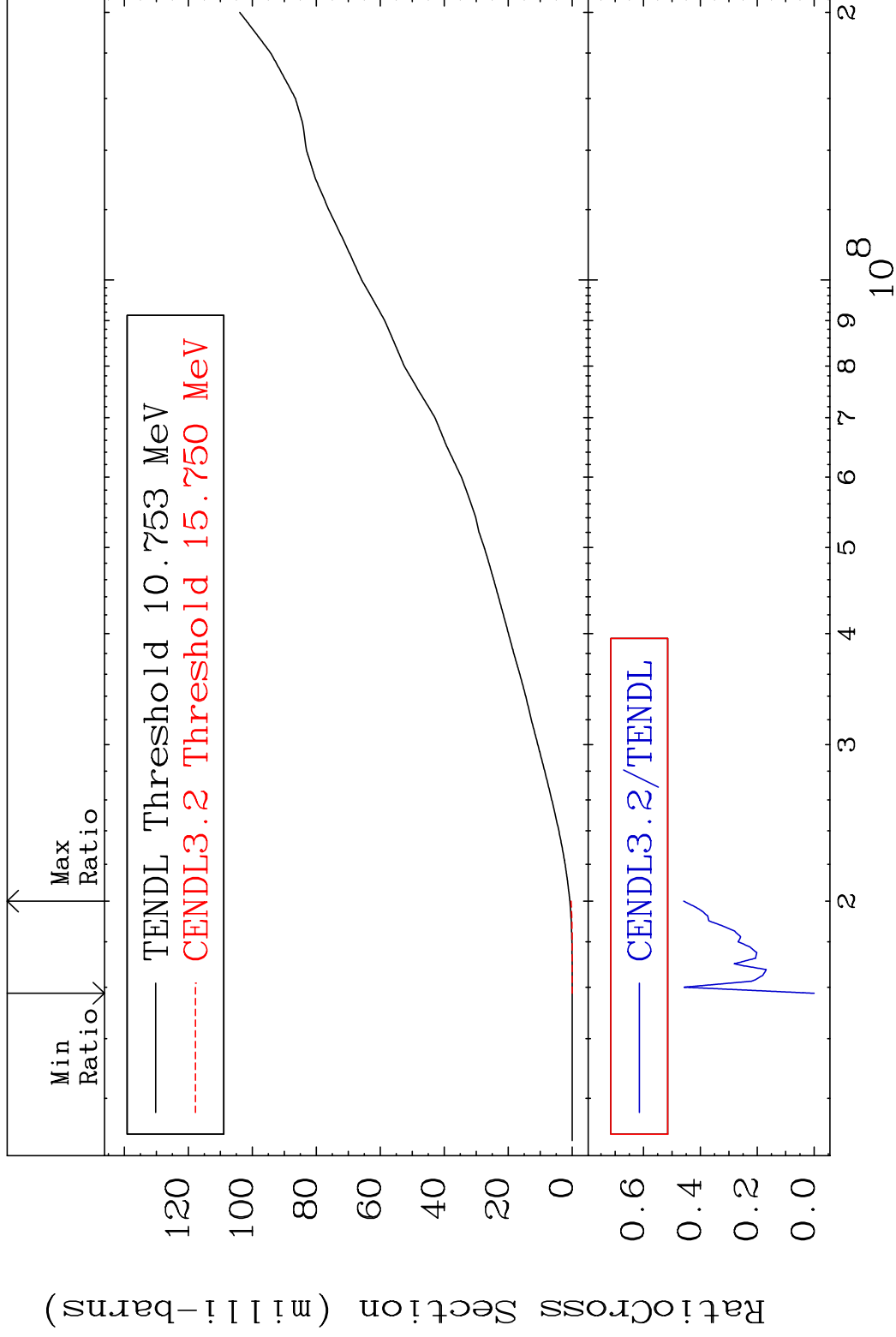


MAT 5067

Deuterium Production

50-Sn-126

Cross Section -100.0 To -54.11%

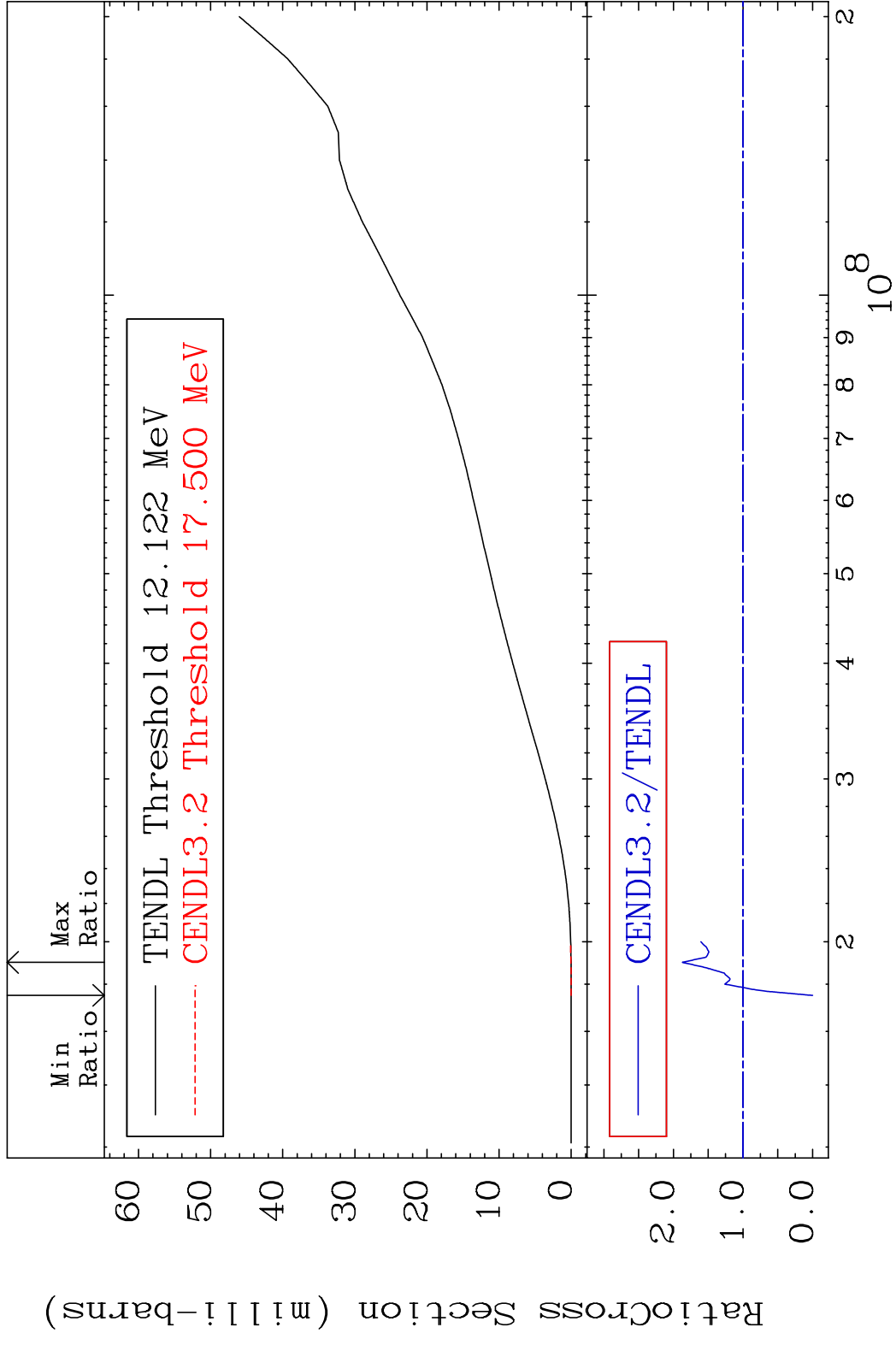


29

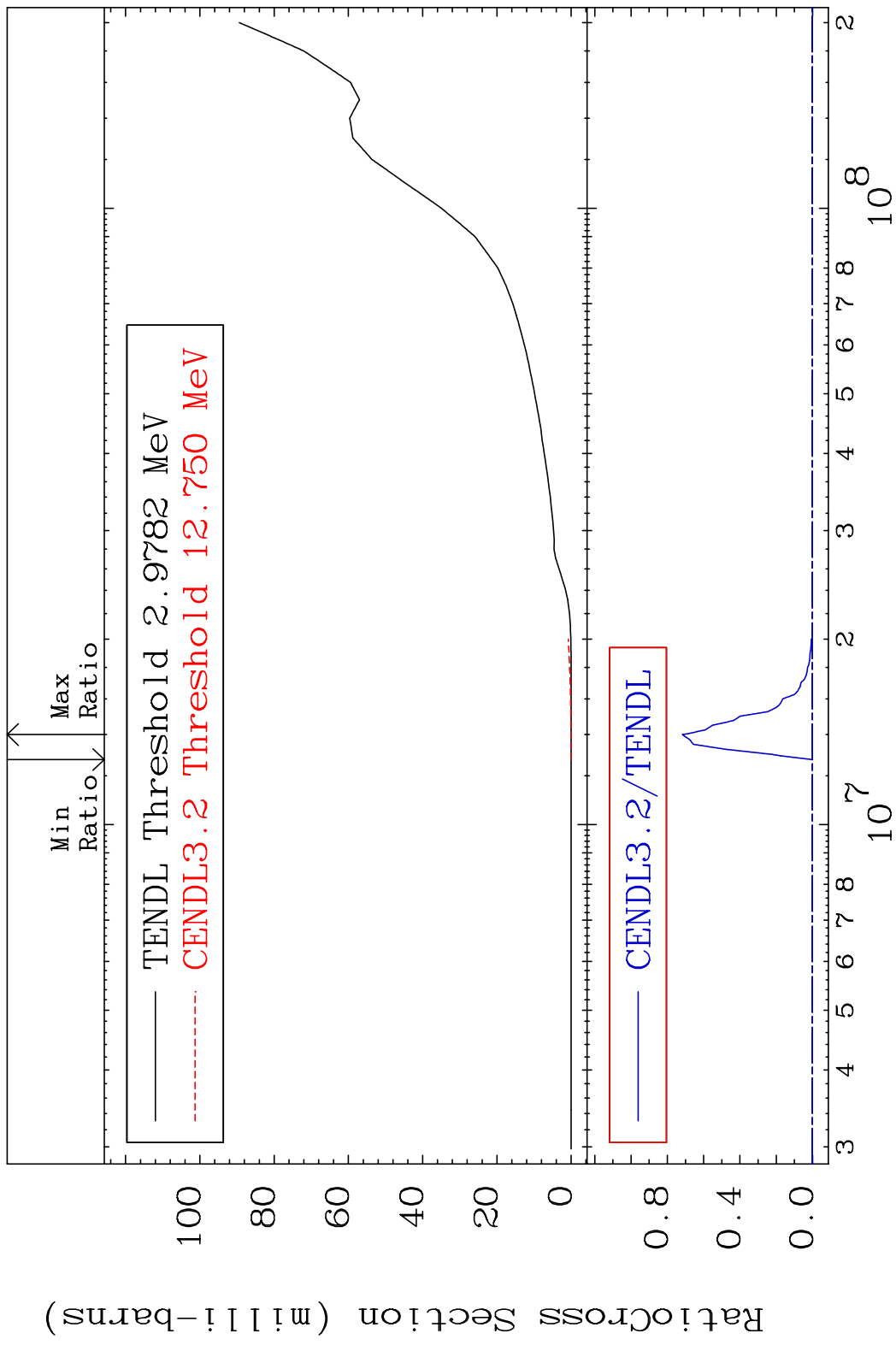
Incident Energy (eV)

50-Sn-126

MAT 5067 Tritium Production 50-Sn-126  
 Cross Section -100.0 To 87.16 %

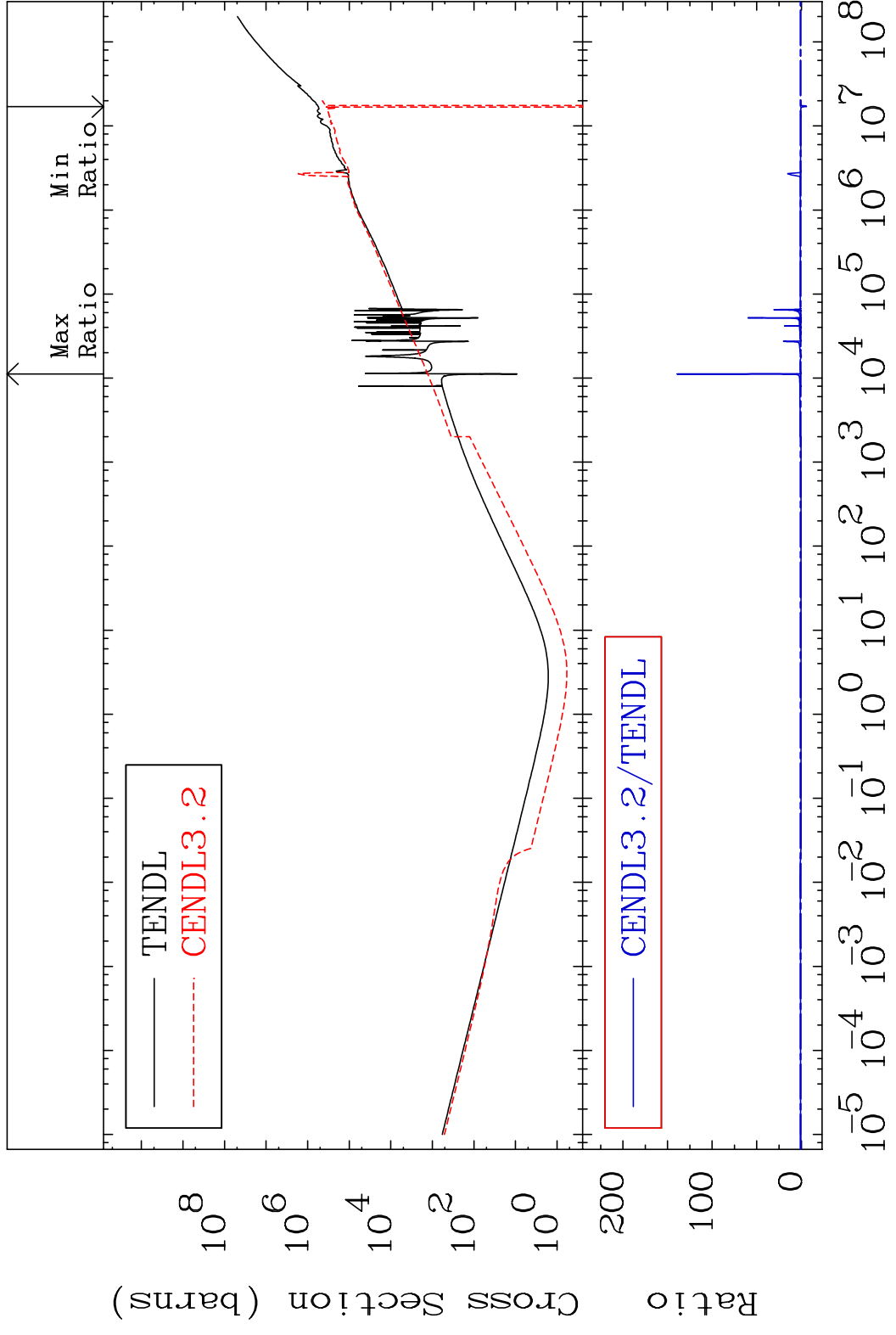


MAT 5067 He-4 Production 50-Sn-126  
 Cross Section -100.0 To 9999. %





MAT 5067 Kerma total (eV-barns) 50-Sn-126  
 Cross Section -663.3 To 9999. %

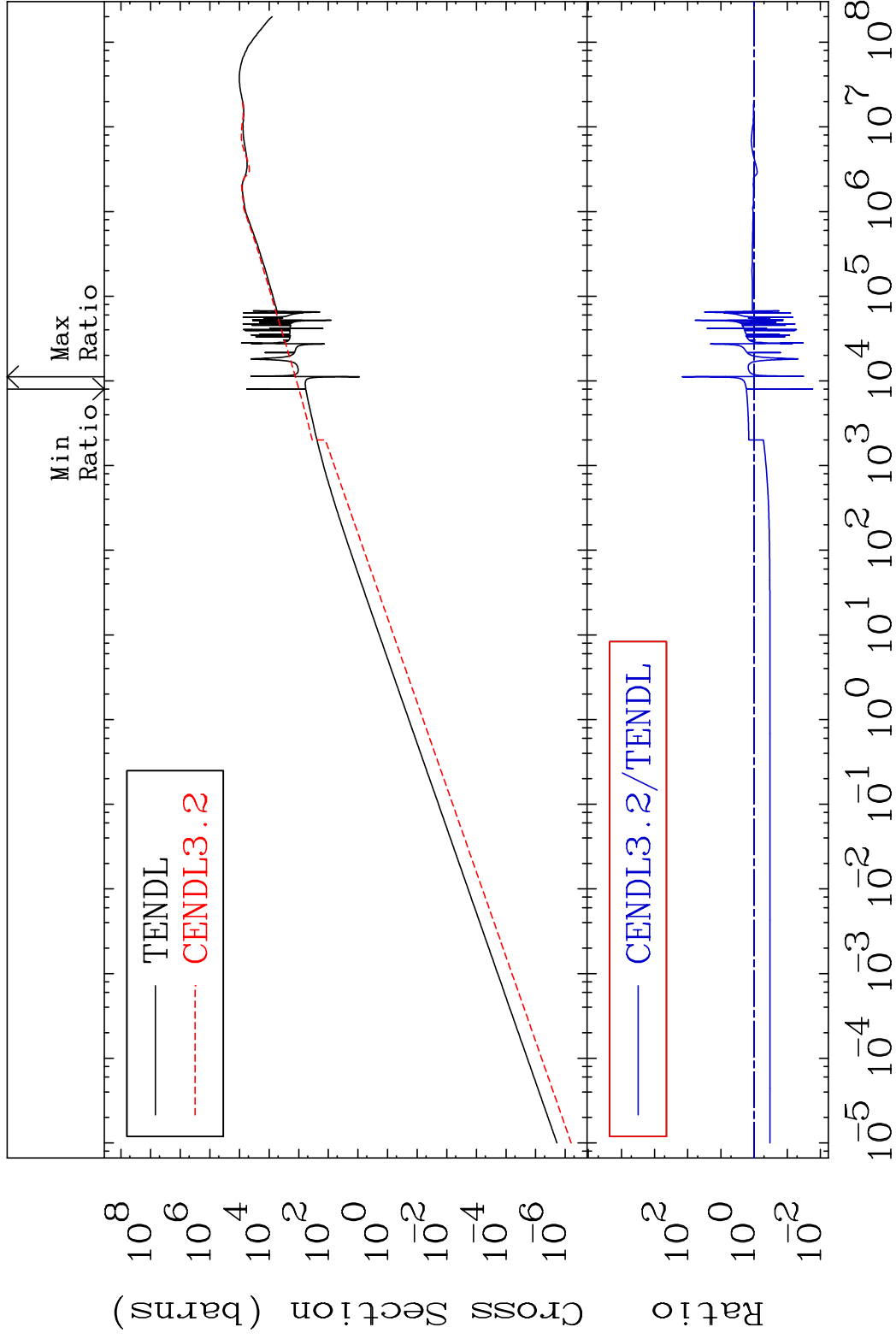


32 Incident Energy (eV) 50-Sn-126

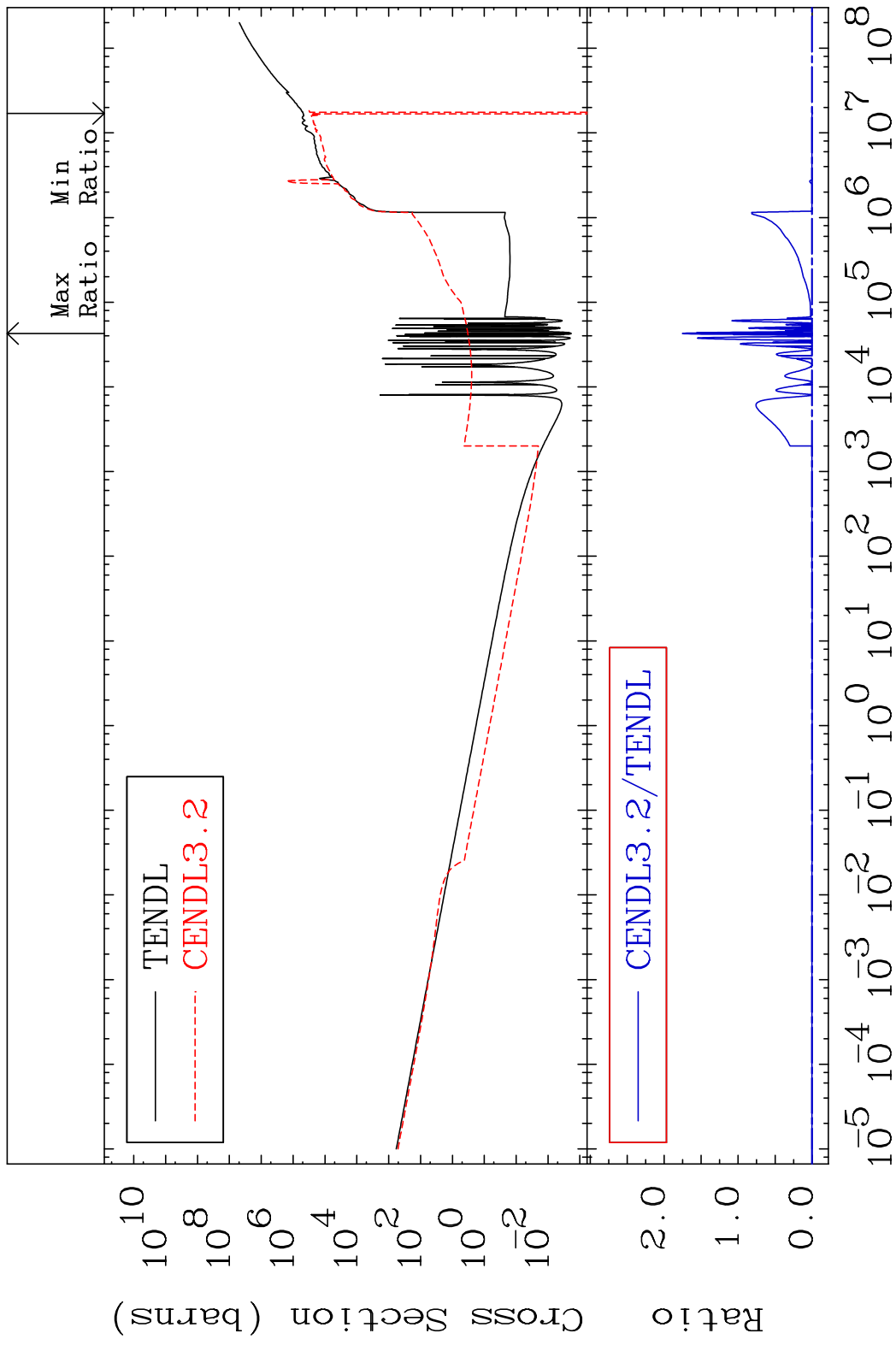
MAT 5067

Kerma elastic  
Cross Section

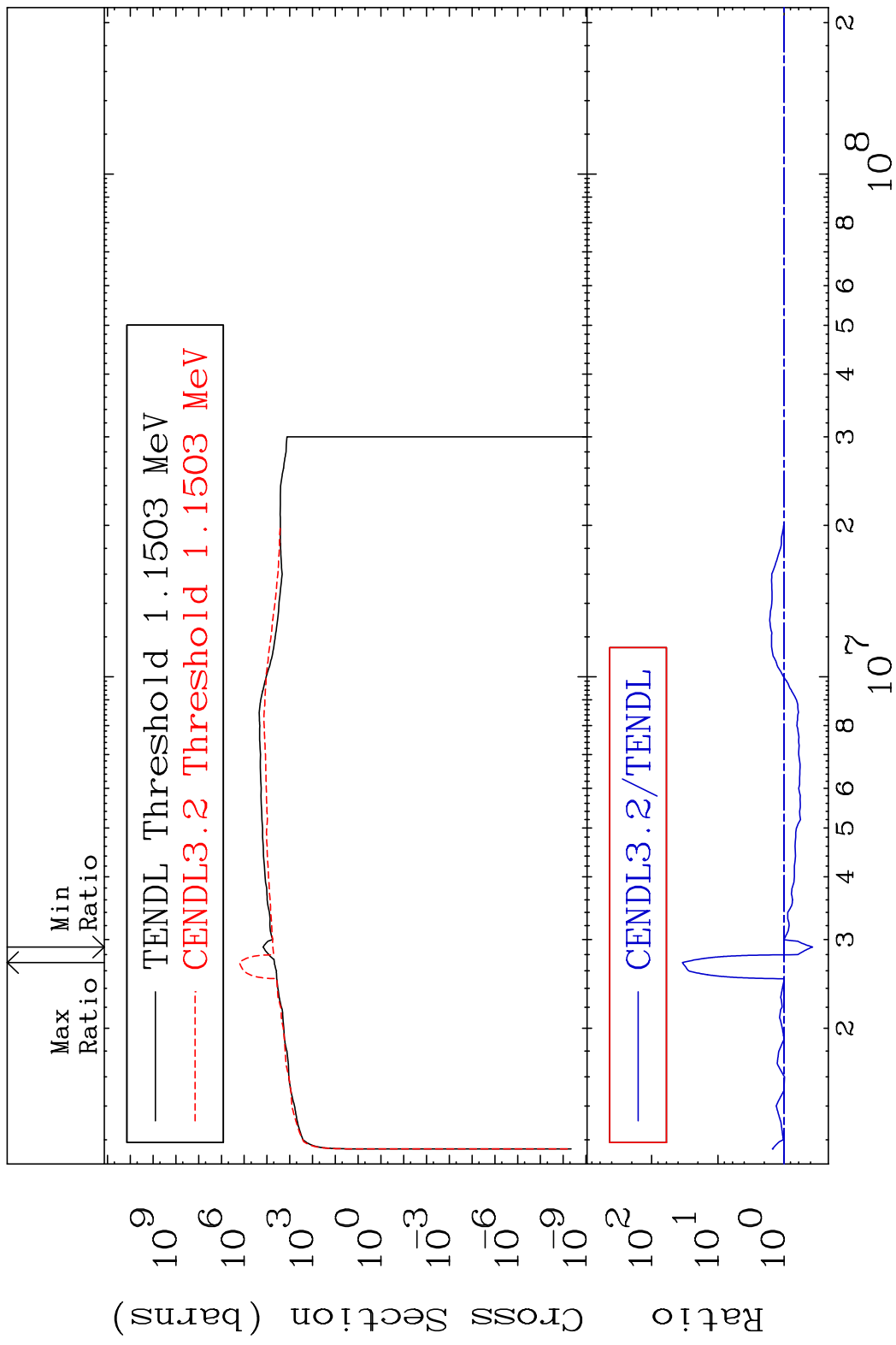
50-Sn-126  
-98.28 To 9999. %



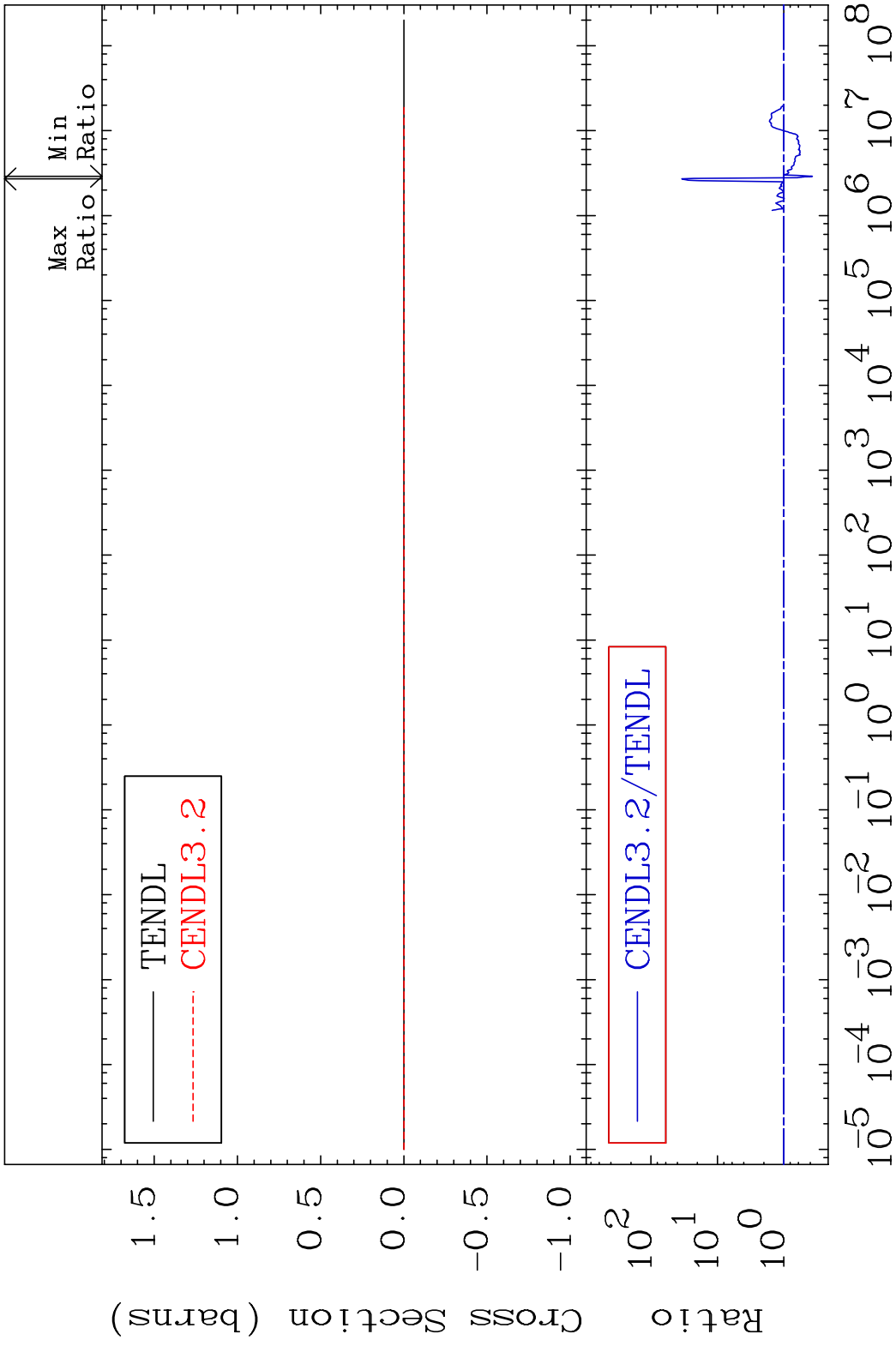
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126  
 Cross Section -764.2 To 9999. %



MAT 5067 Kerma inelastic (mt51-91) 50-Sn-126  
 Cross Section -62.83 To 3336. %



MAT 5067 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-126  
 Cross Section -62.83 To 3336. %

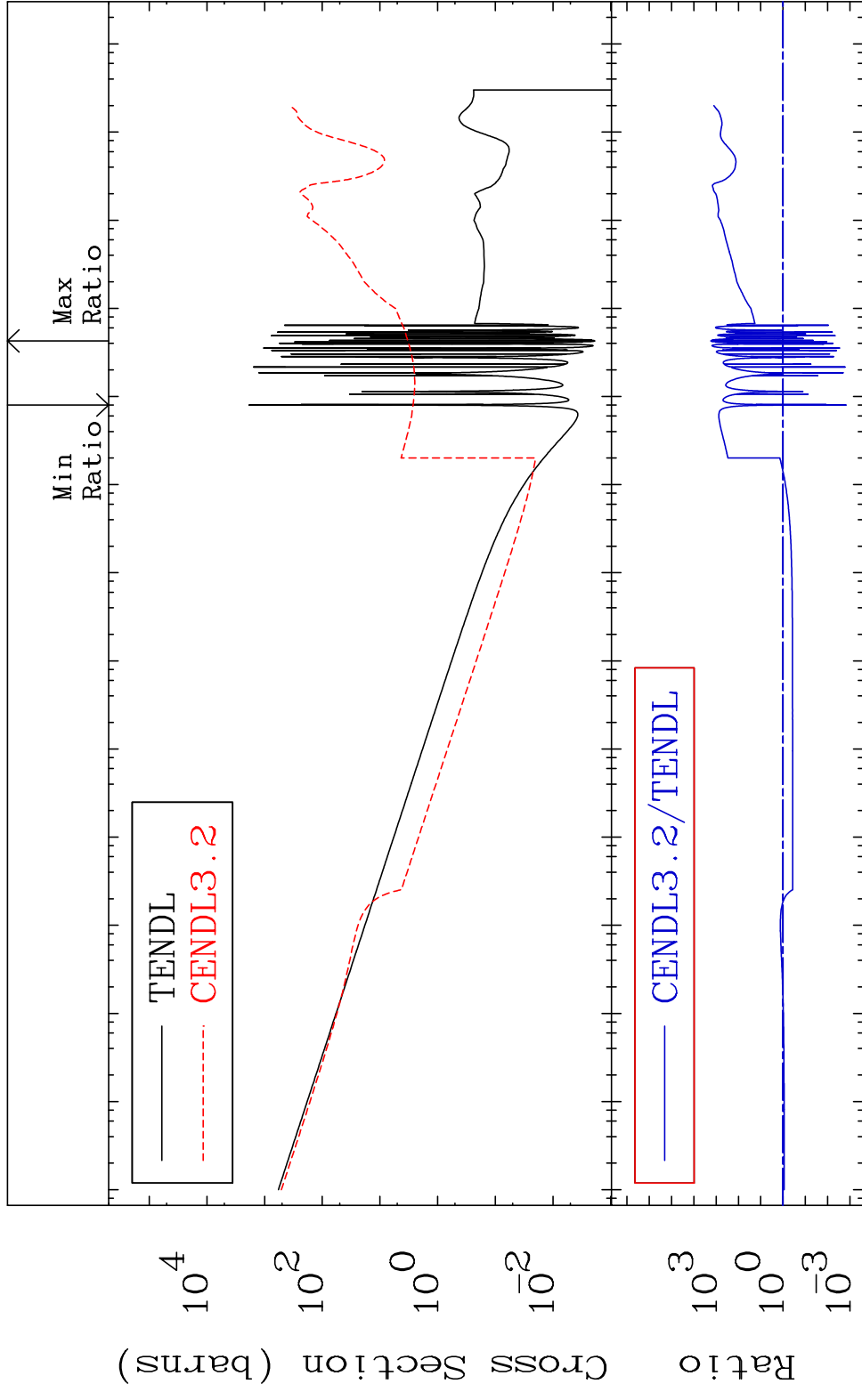


MAT 5067

Kerma capture (mt102)

50-Sn-126

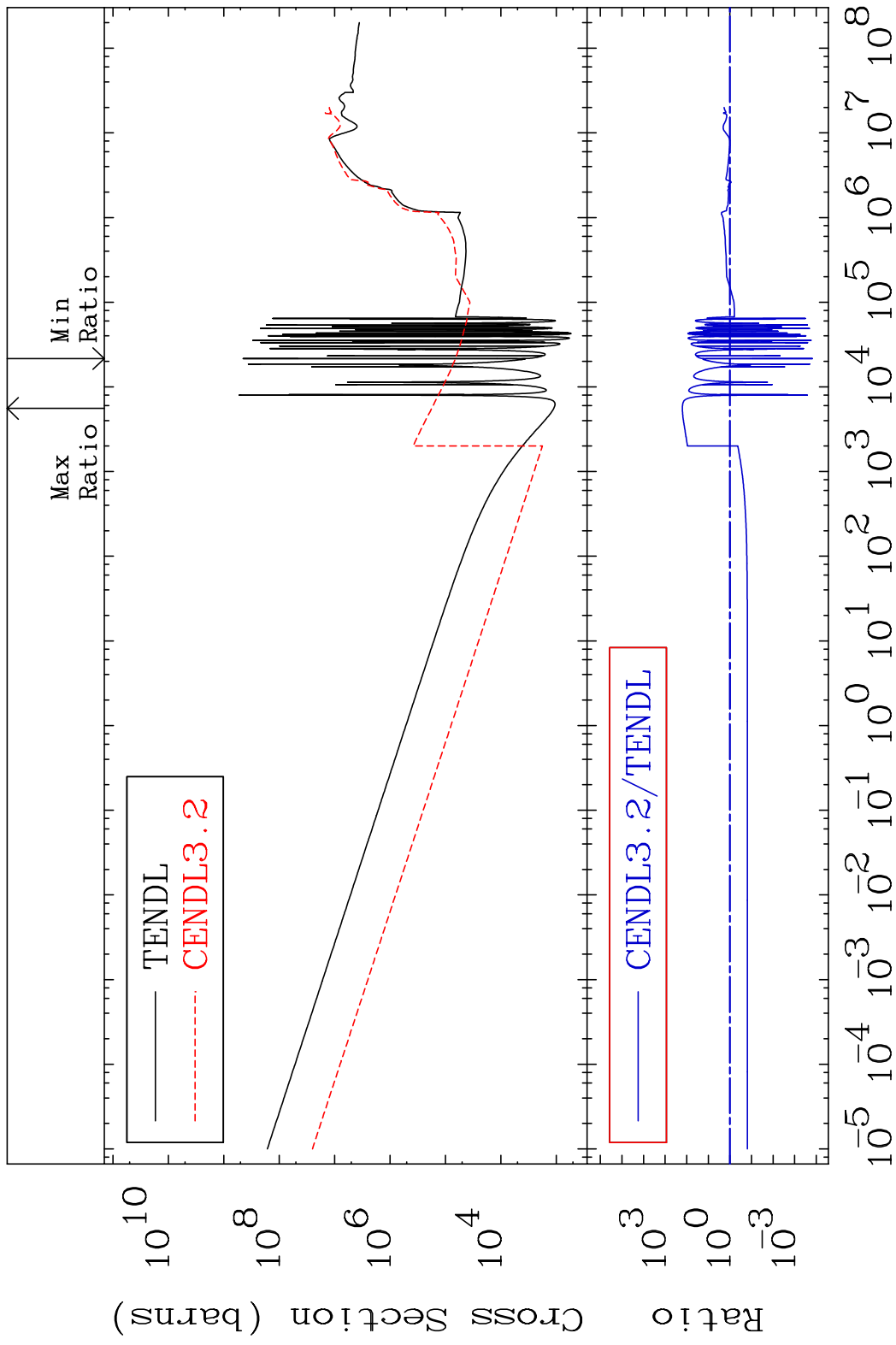
Cross Section -99.86 To 9999. %



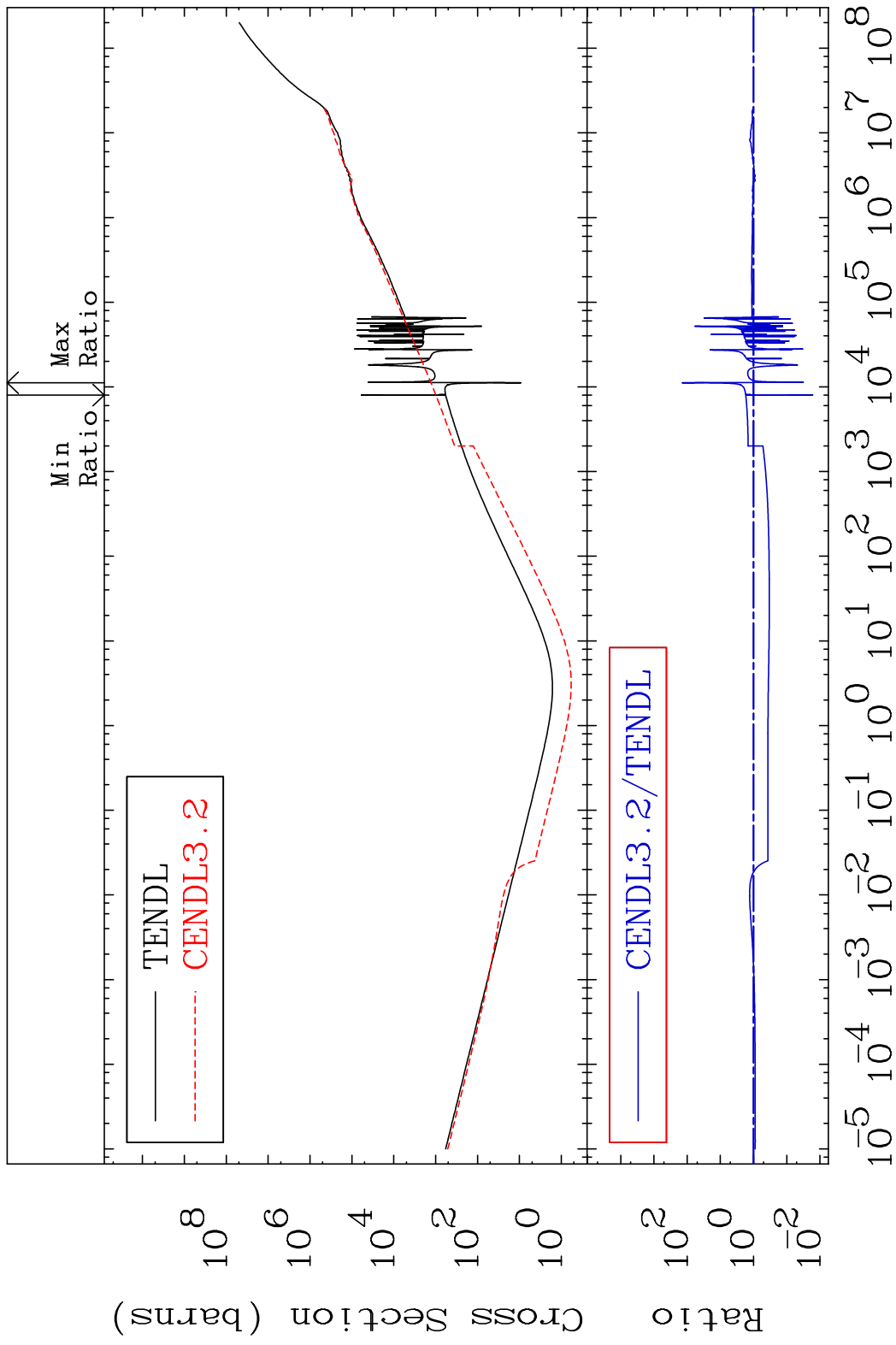
Ratio  
10<sup>3</sup>  
10<sup>0</sup>  
10<sup>-3</sup>

10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

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

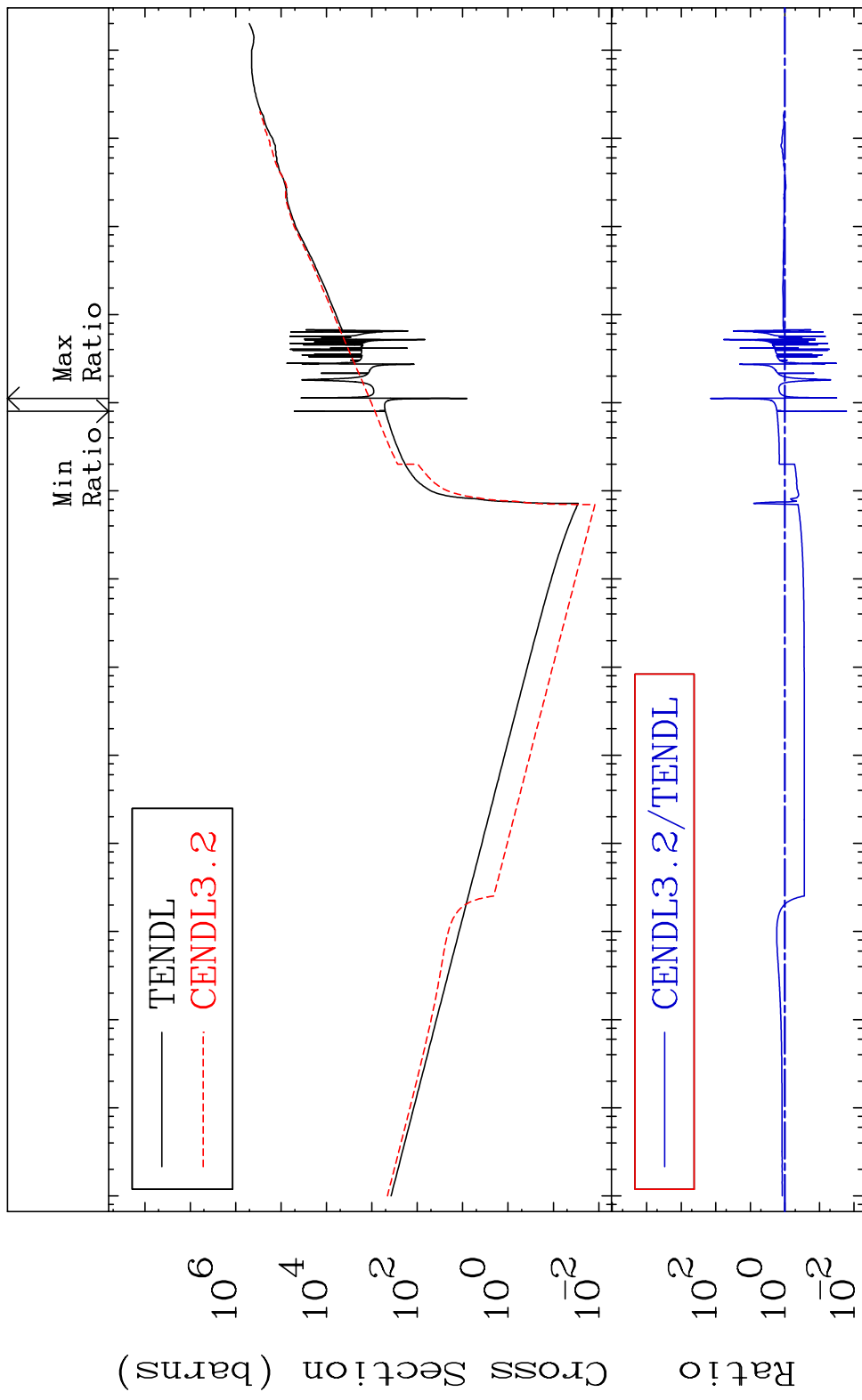


MAT 5067 Total kinematic kerma (high limit) 50-Sn-126  
 Cross Section -98.33 To 9999. %





MAT 5067      Dpa total (eV-barns)      50-Sn-126  
 Cross Section      -98.32 To 9999. %



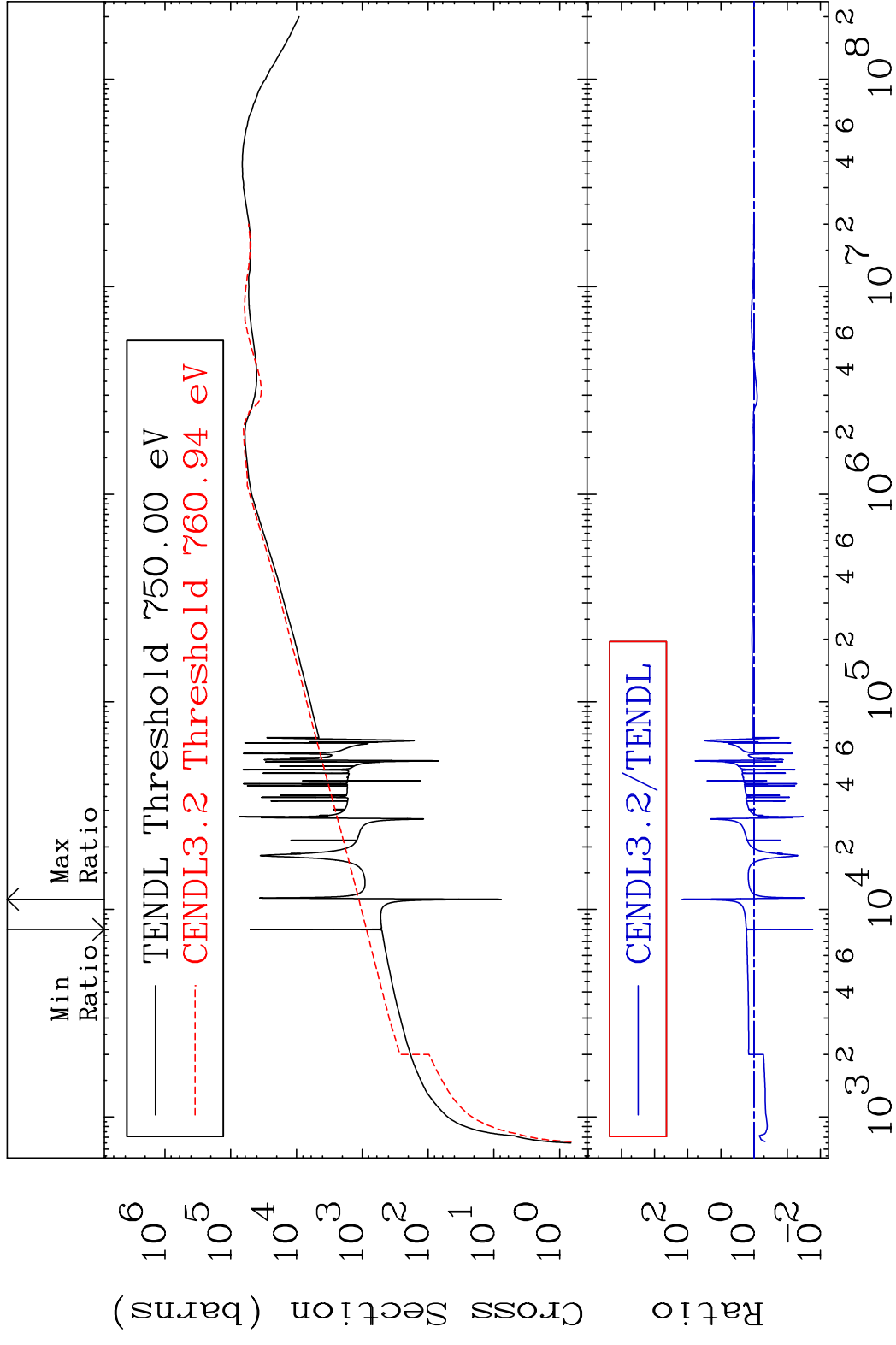
40      Incident Energy (eV)      50-Sn-126

MAT 5067

Dpa elastic (mt2)

50-Sn-126

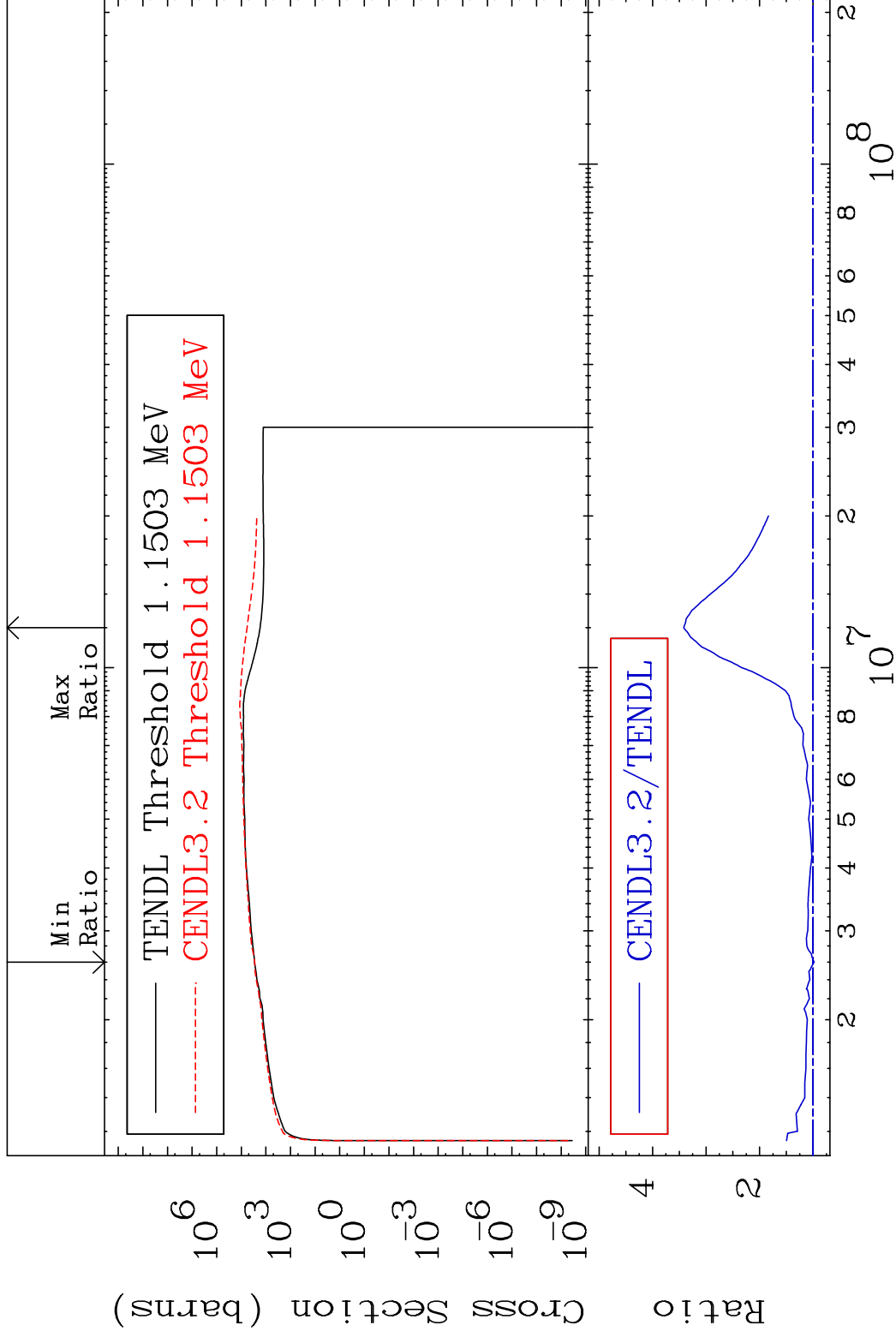
Cross Section -98.28 To 9999. %



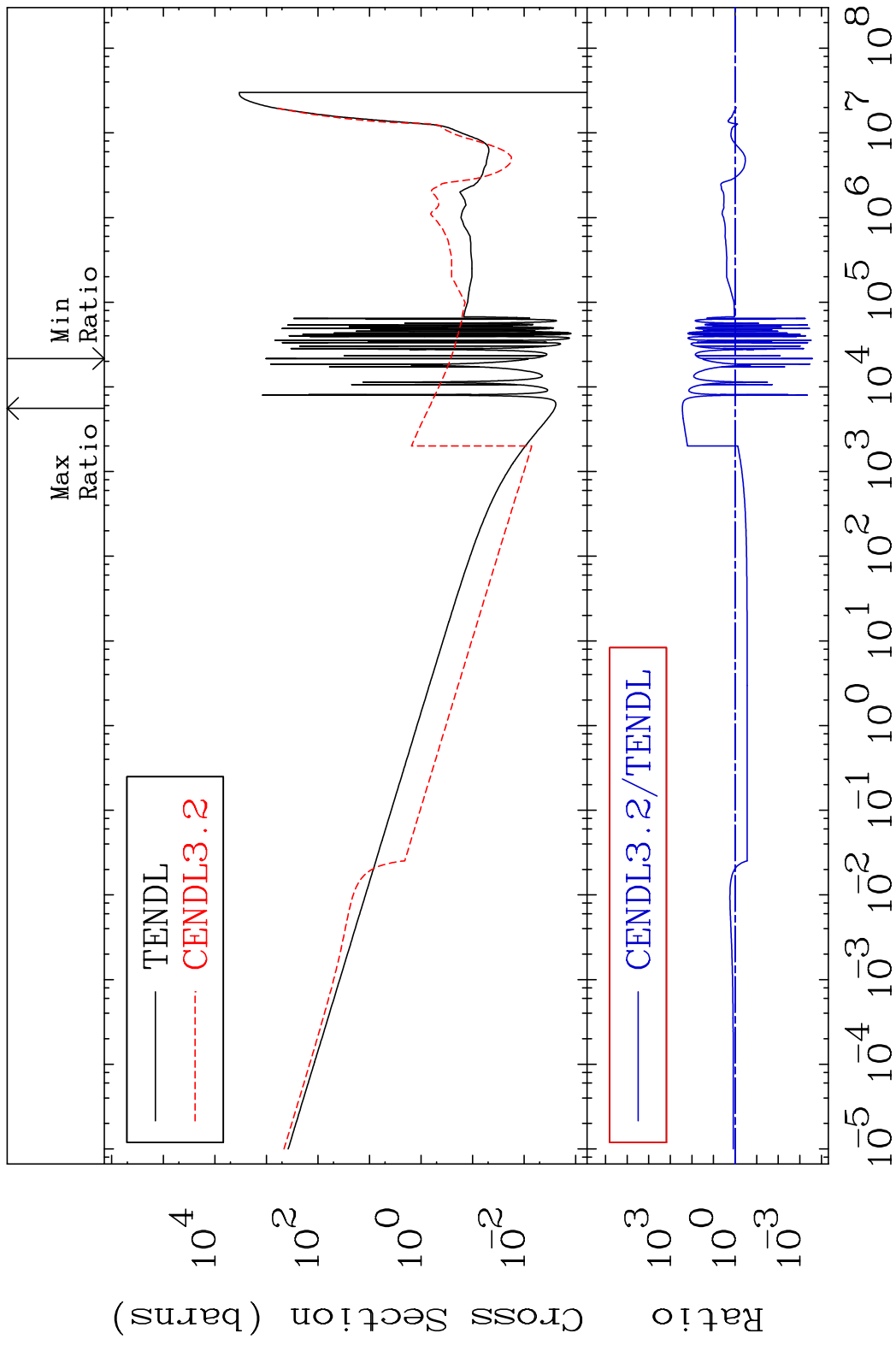
41

Incident Energy (eV)

50-Sn-126



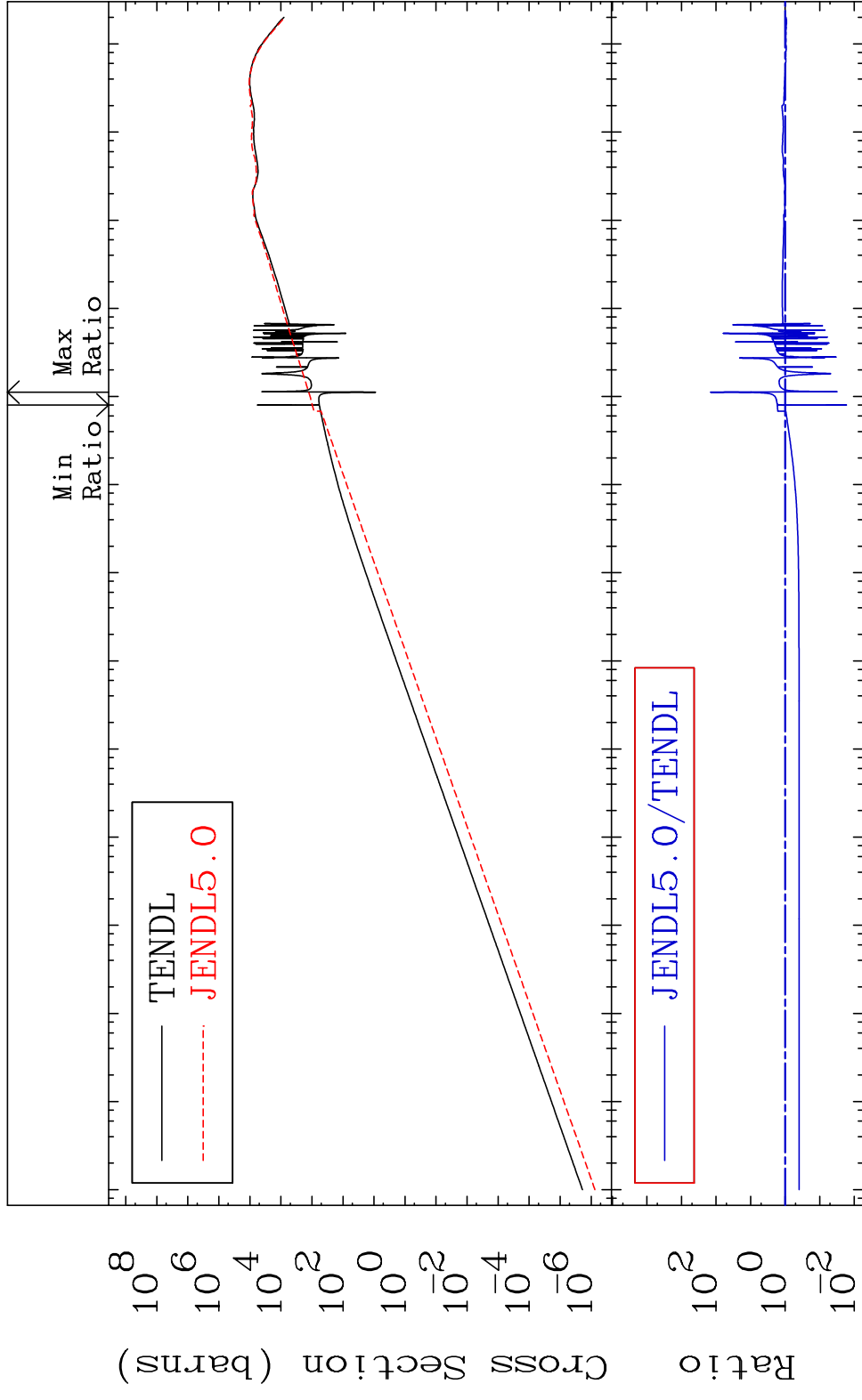
MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126  
 Cross Section -99.97 To 9999. %



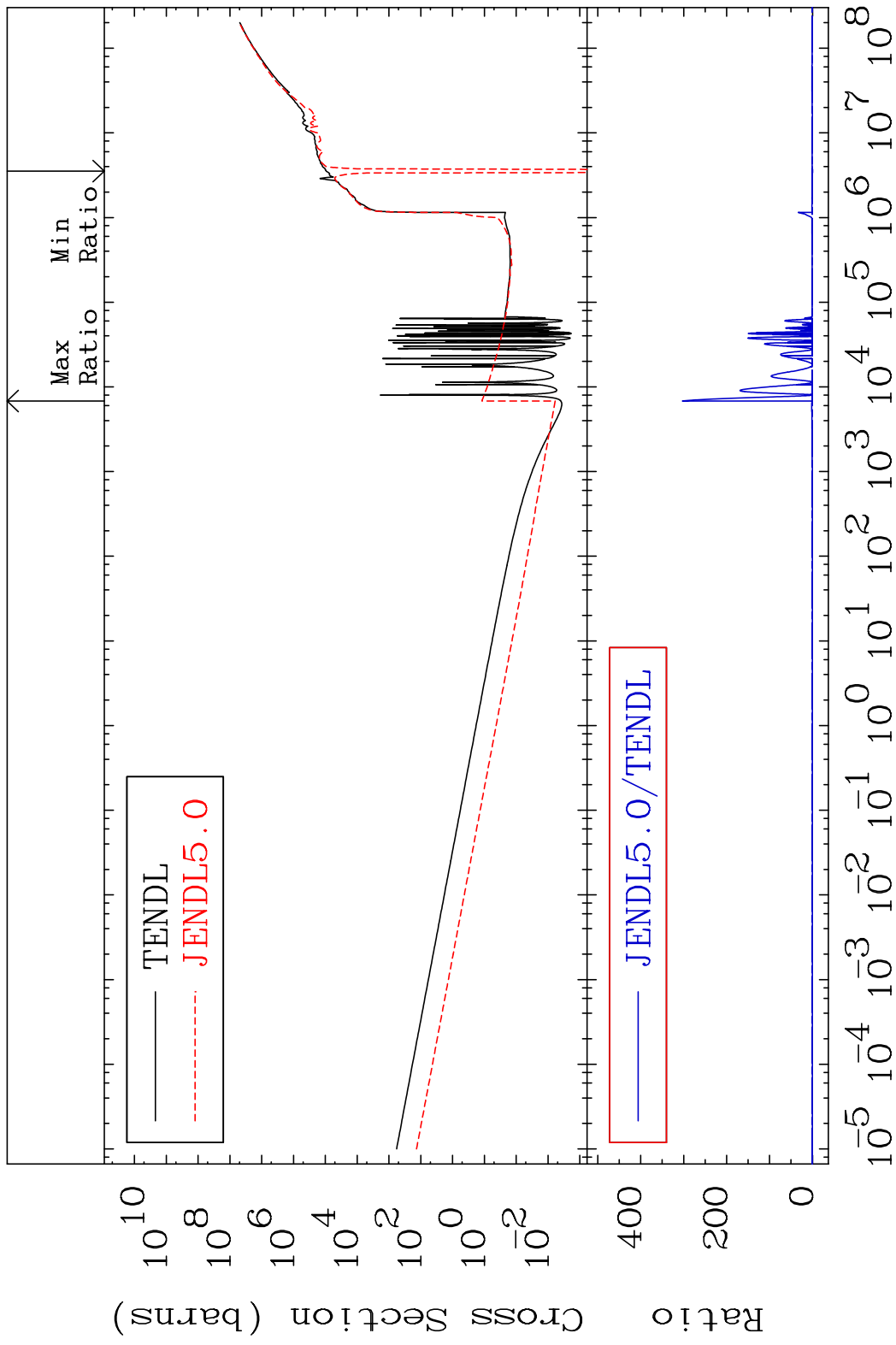
MAT 5067

Kerma elastic  
Cross Section

50-Sn-126  
-98.30 To 9999. %



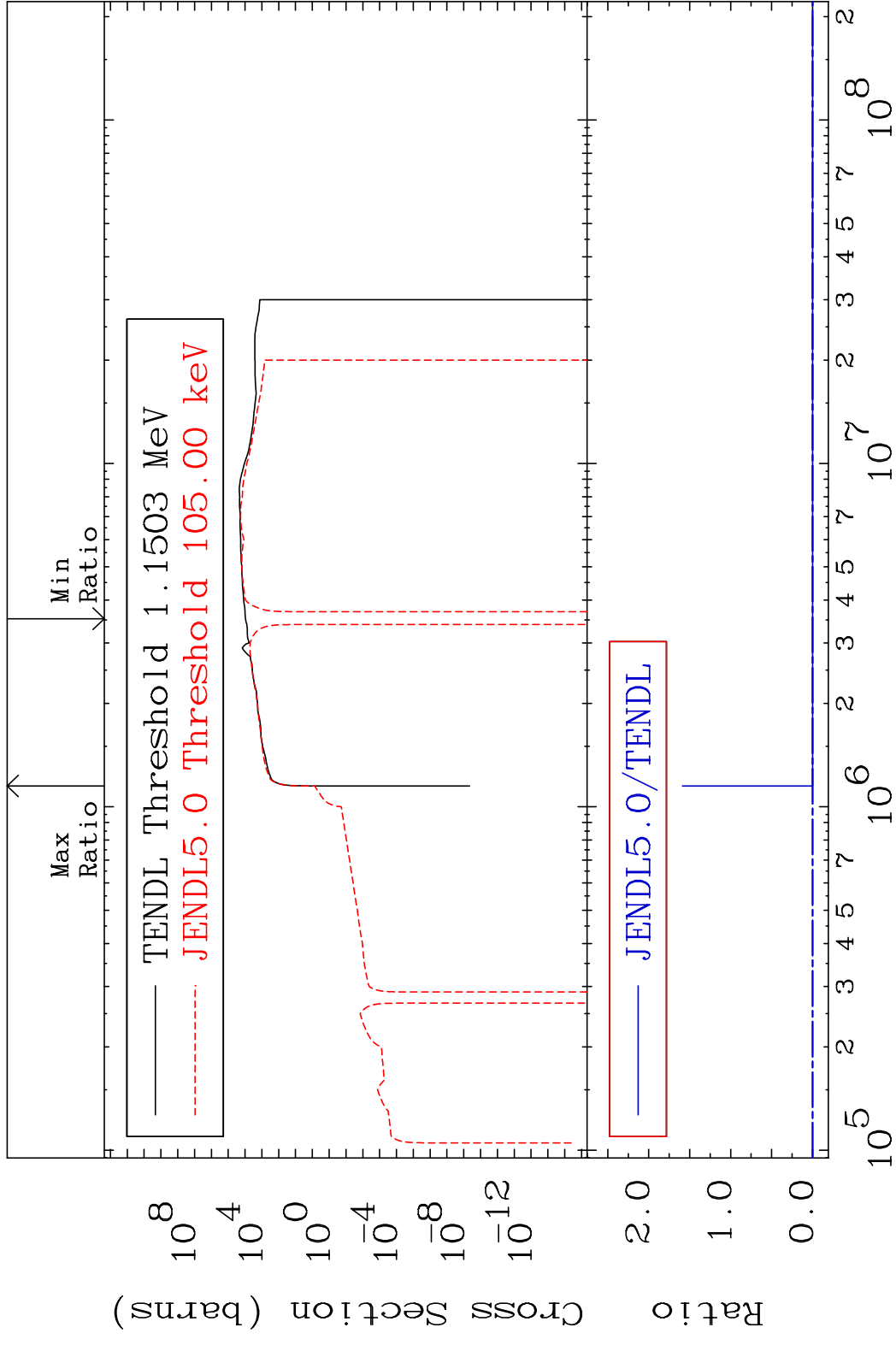
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126  
 Cross Section -110.6 To 9999. %



45 Incident Energy (eV) 50-Sn-126

MAT 5067

Kerma inelastic (mt51-91) 50-Sn-126  
Cross Section -110.6 To 9999. %

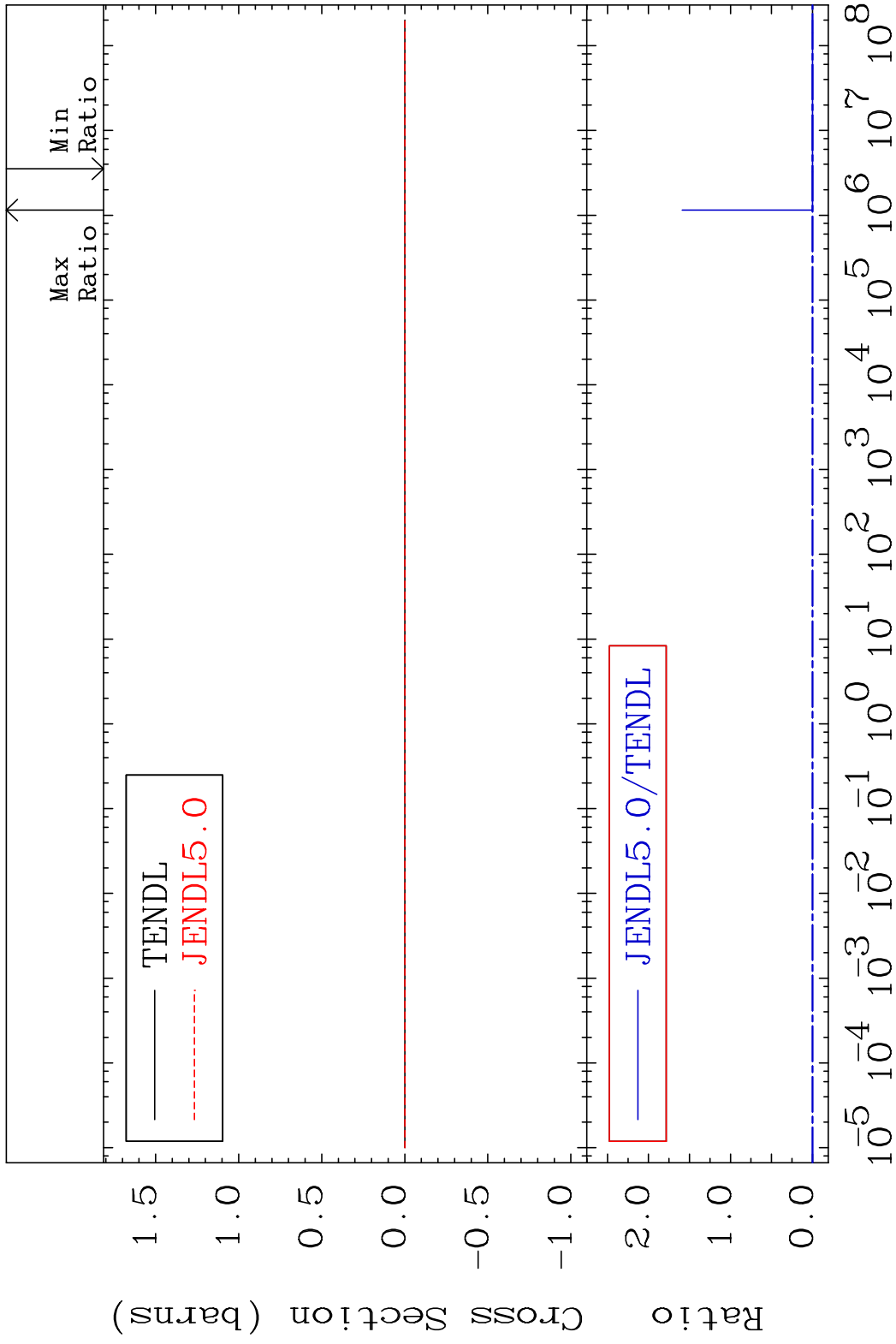


46

Incident Energy (eV)

50-Sn-126

MAT 5067 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-126  
 Cross Section -110.6 To 9999. %



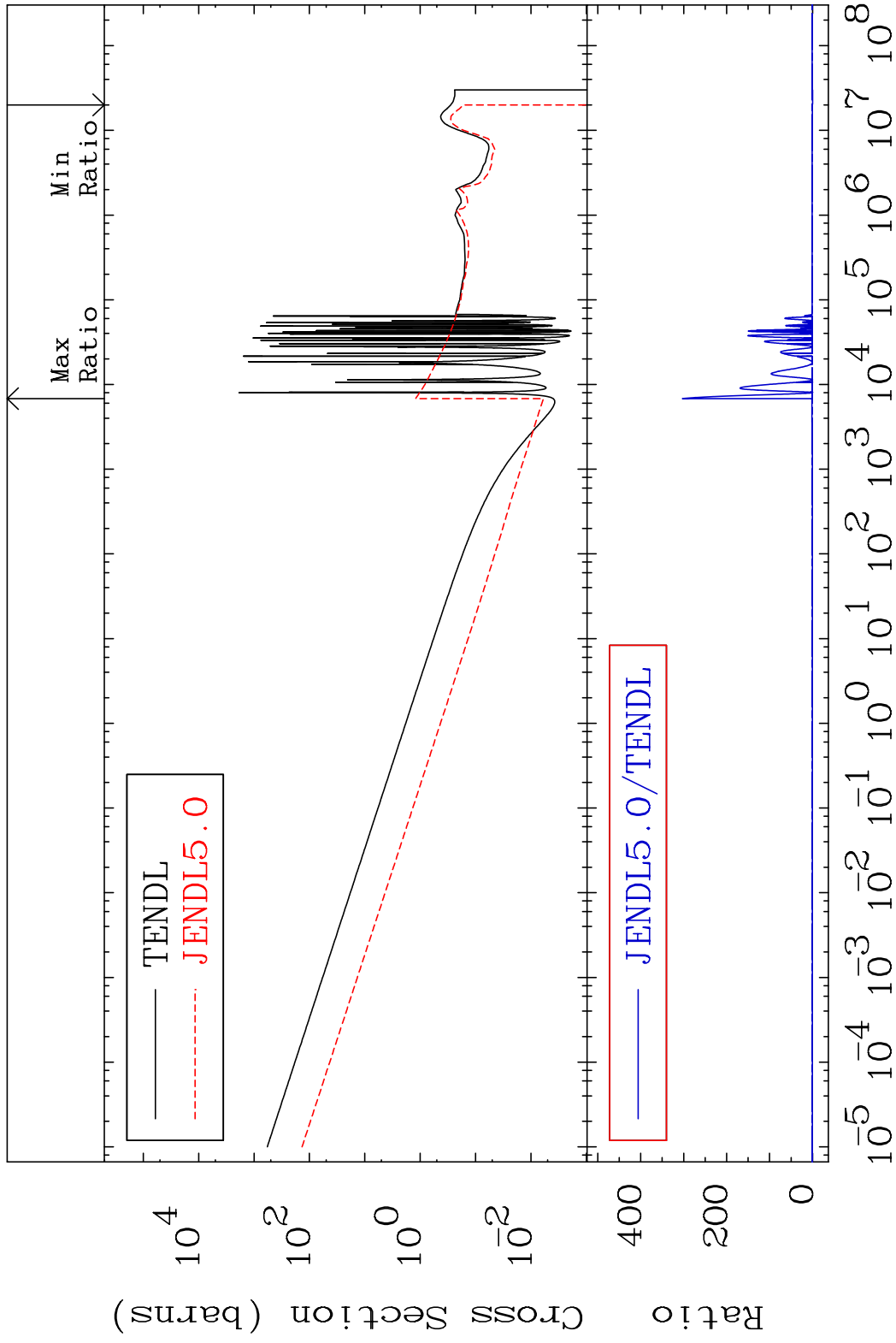


MAT 5067

Kerma capture (mt102)

50-Sn-126

Cross Section -100.0 To 9999. %

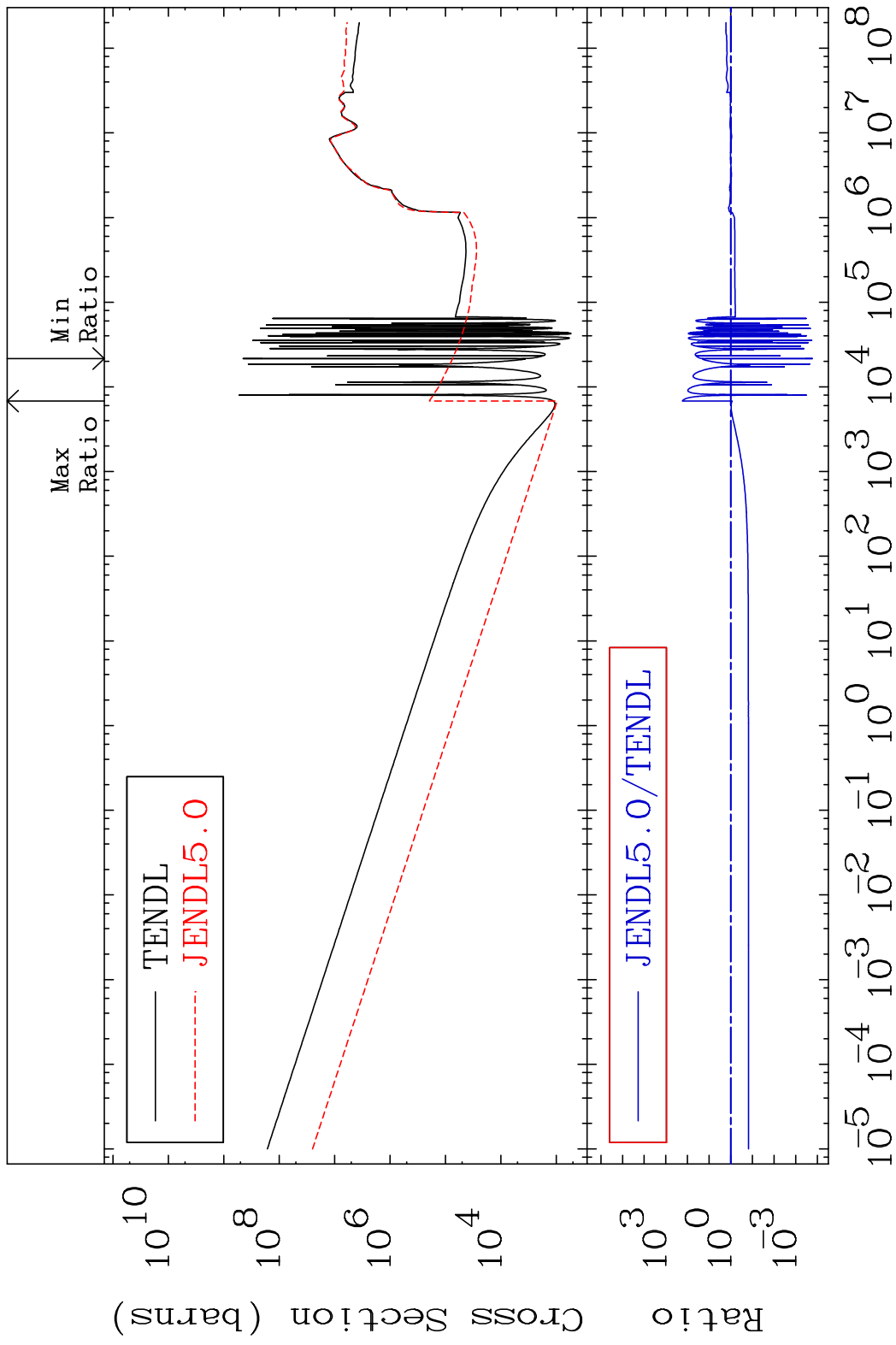


48

Incident Energy (eV)

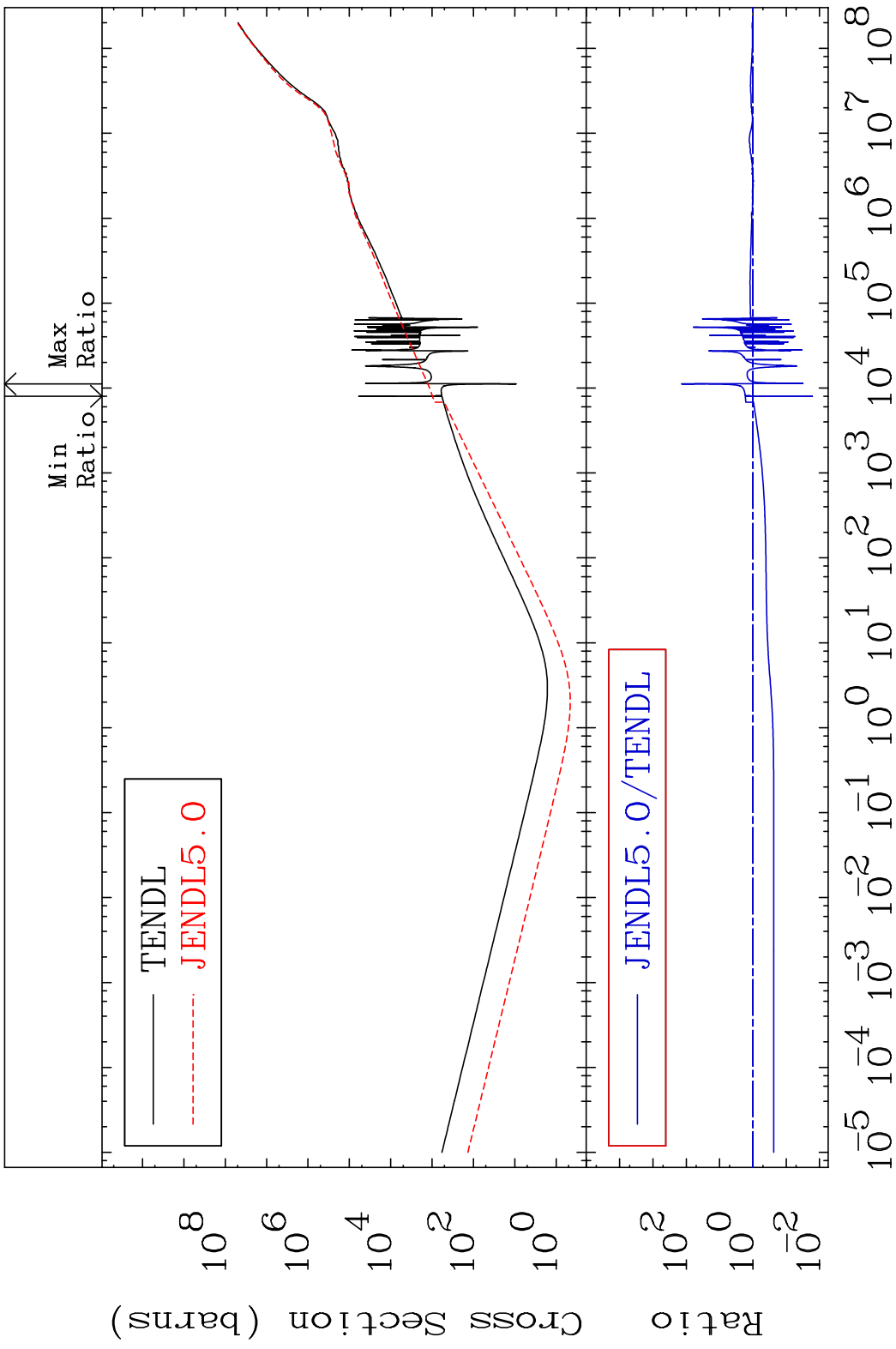
50-Sn-126

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

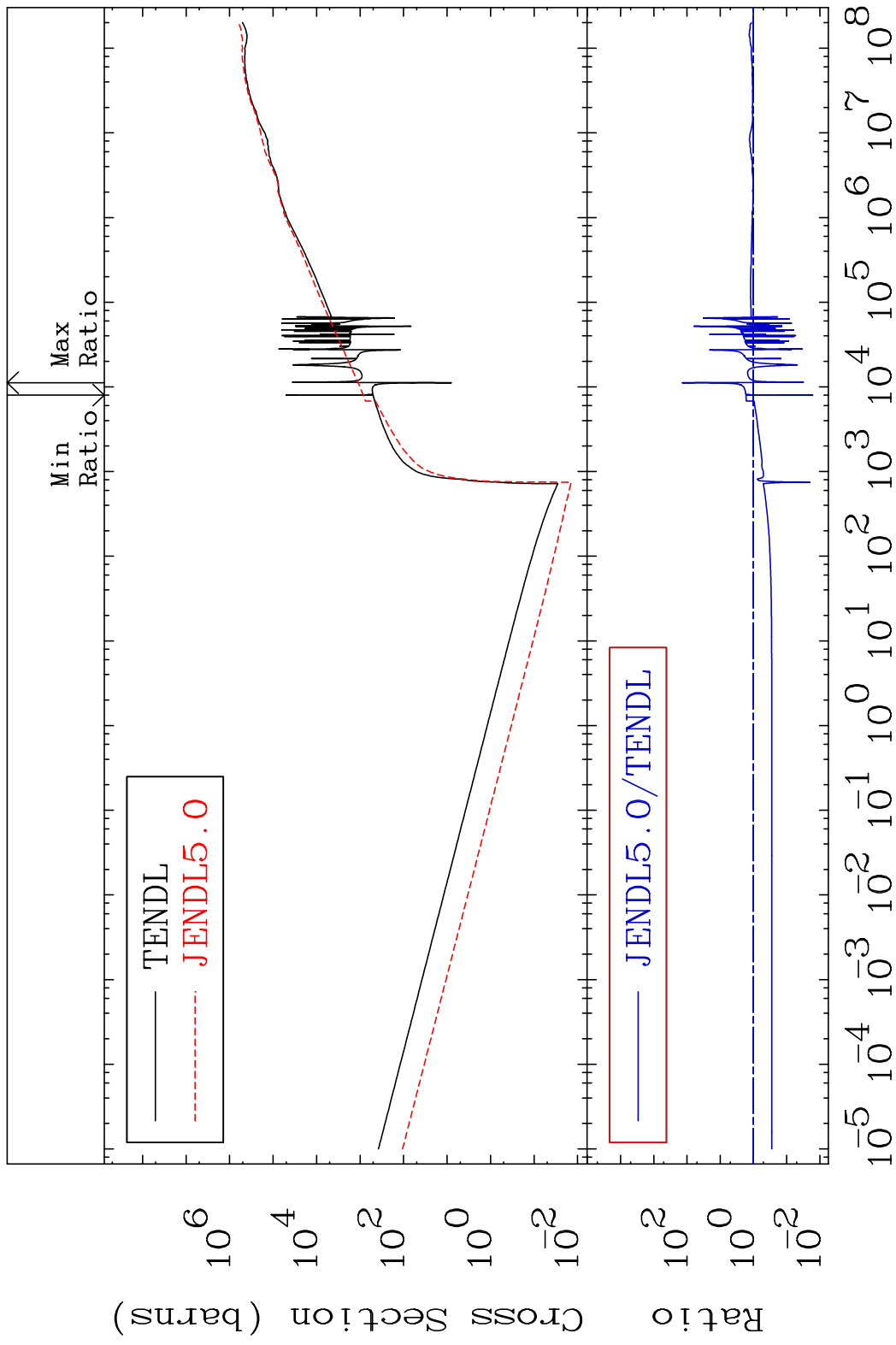


49 Incident Energy (eV) 50-Sn-126

MAT 5067 Total kinematic kerma (high limit) 50-Sn-126  
Cross Section -98.36 To 9999. %



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

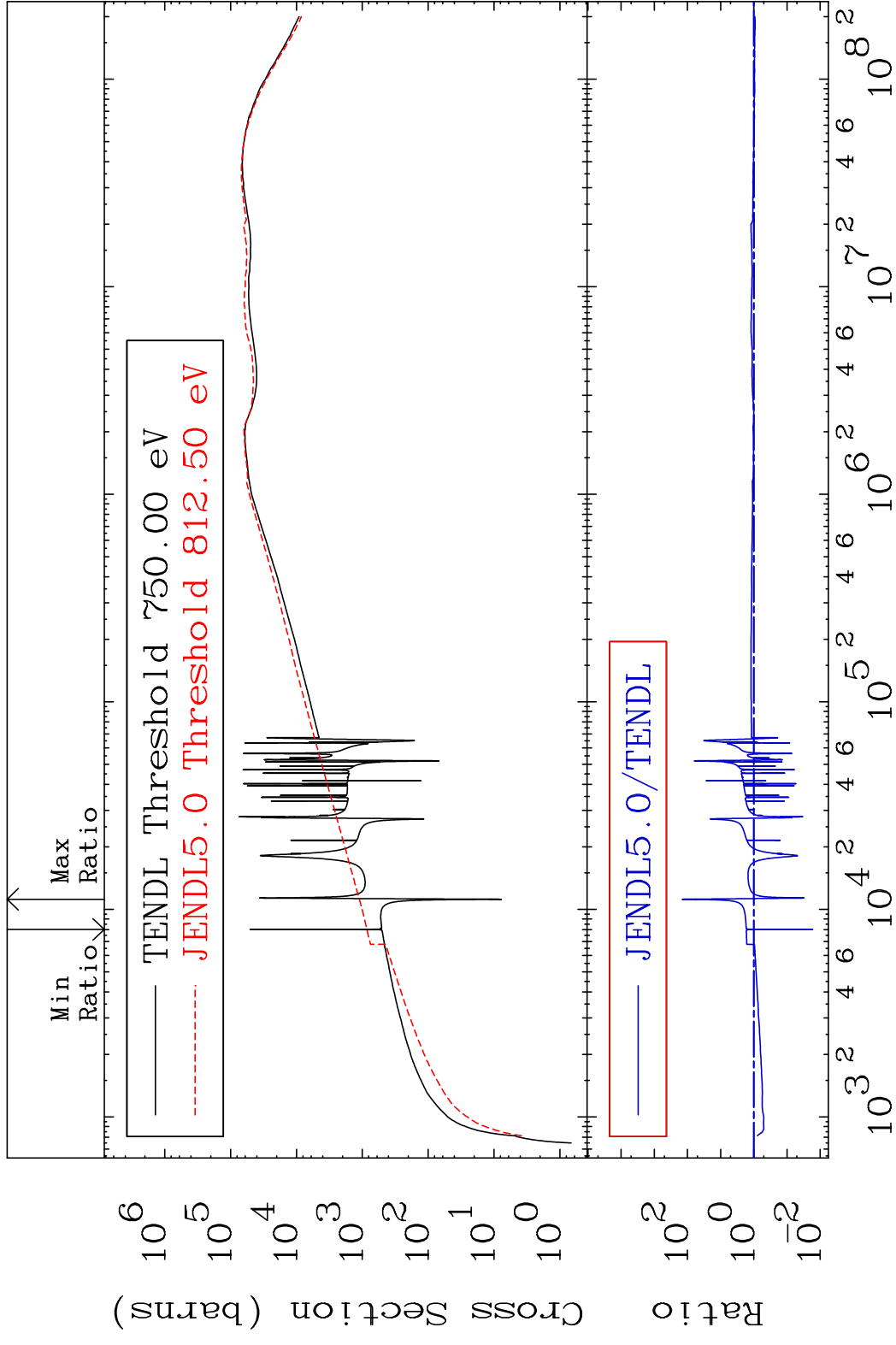


MAT 5067

Dpa elastic (mt2)

50-Sn-126

Cross Section -98.31 To 9999. %

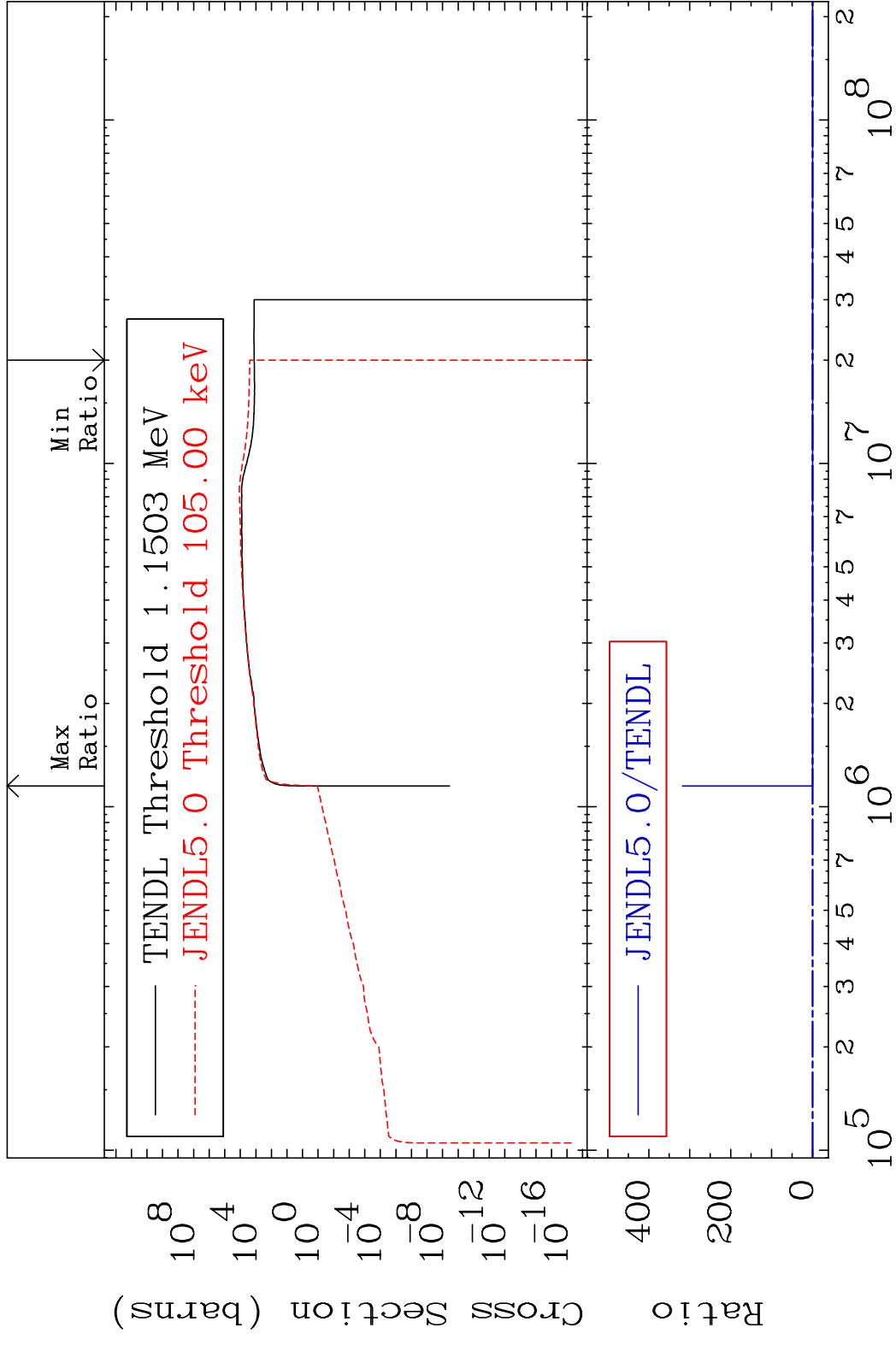


52

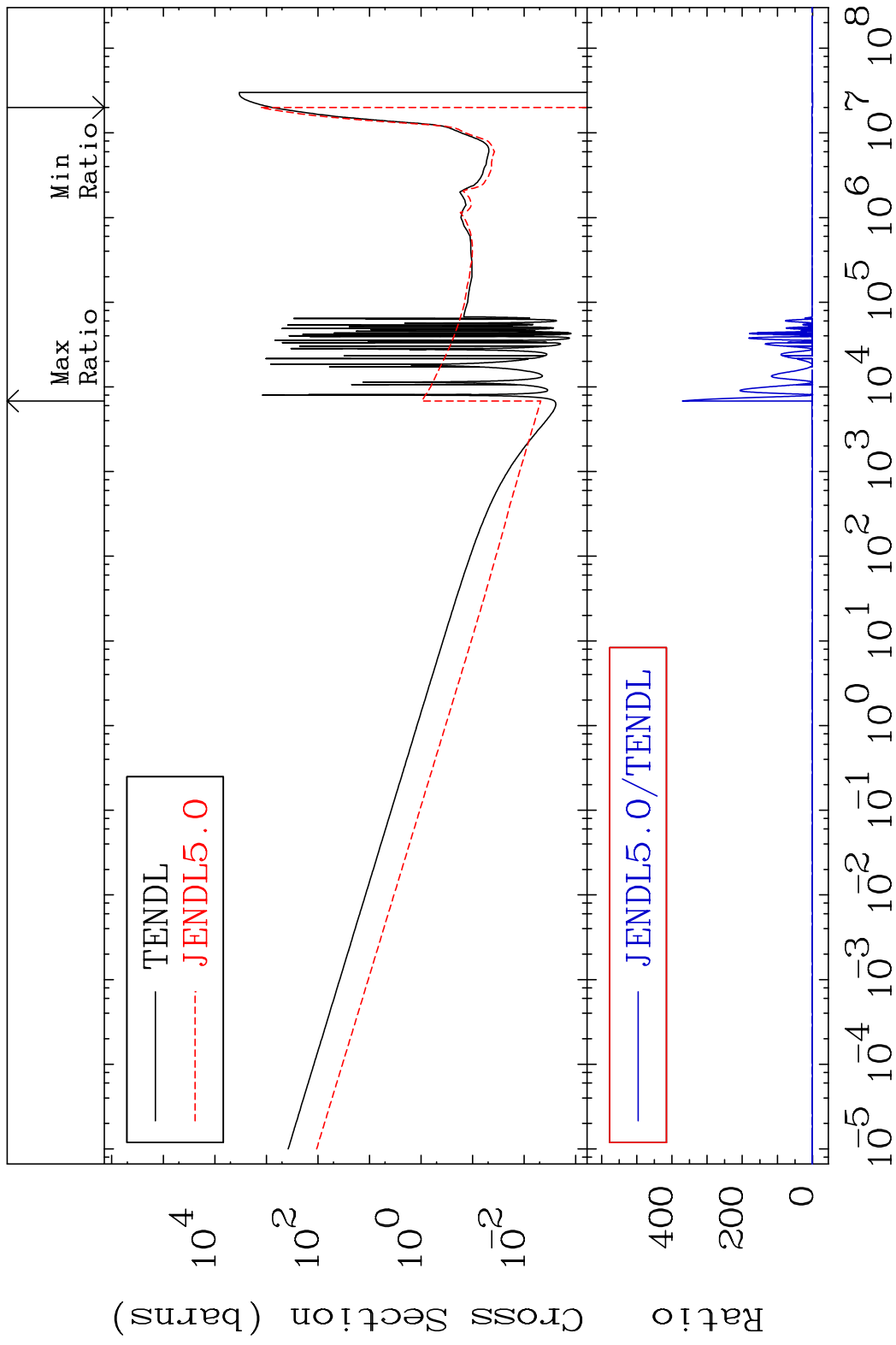
Incident Energy (eV)

50-Sn-126

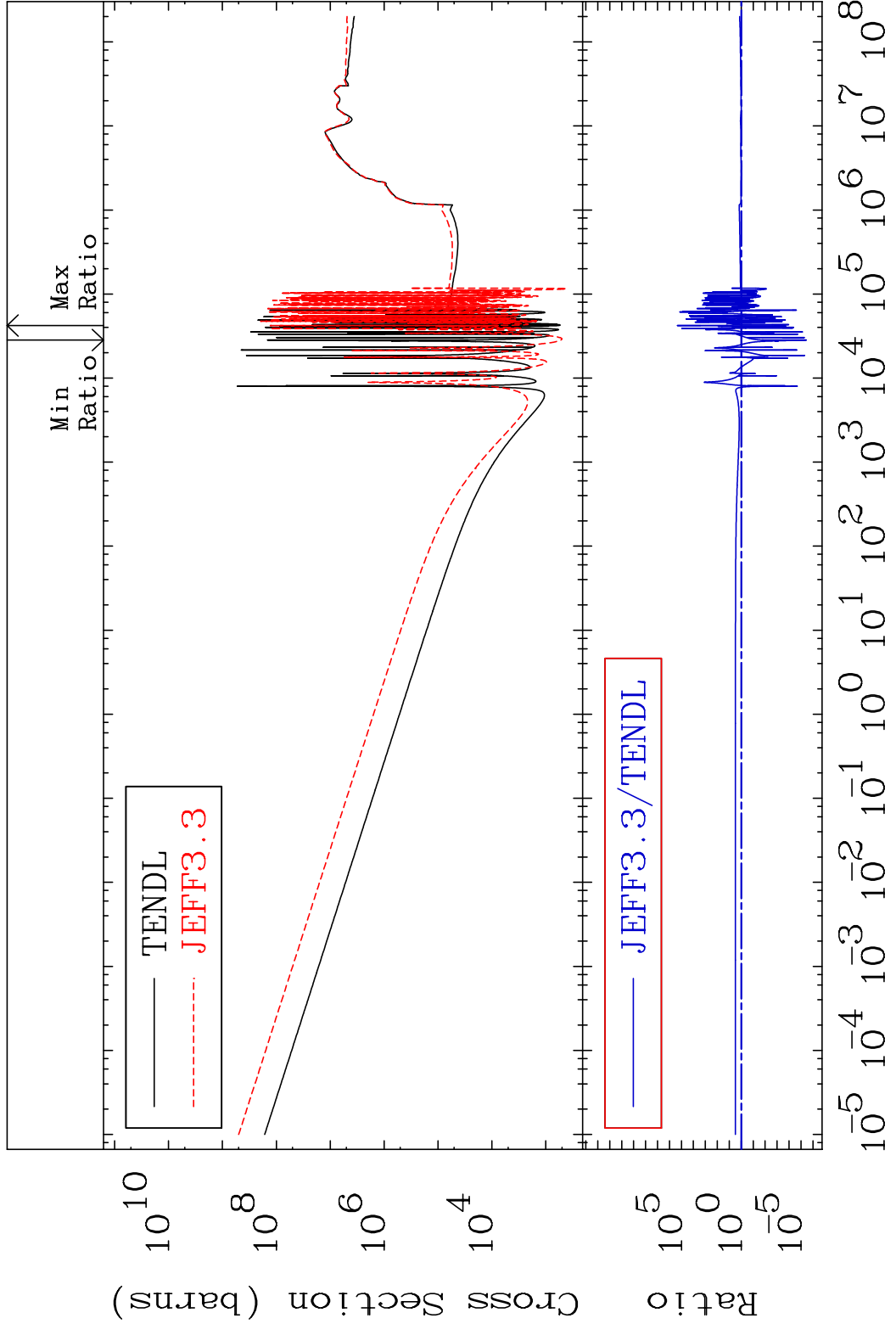
MAT 5067 Dpa inelastic (mt51-91) 50-Sn-126  
 Cross Section -100.0 To 9999. %



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



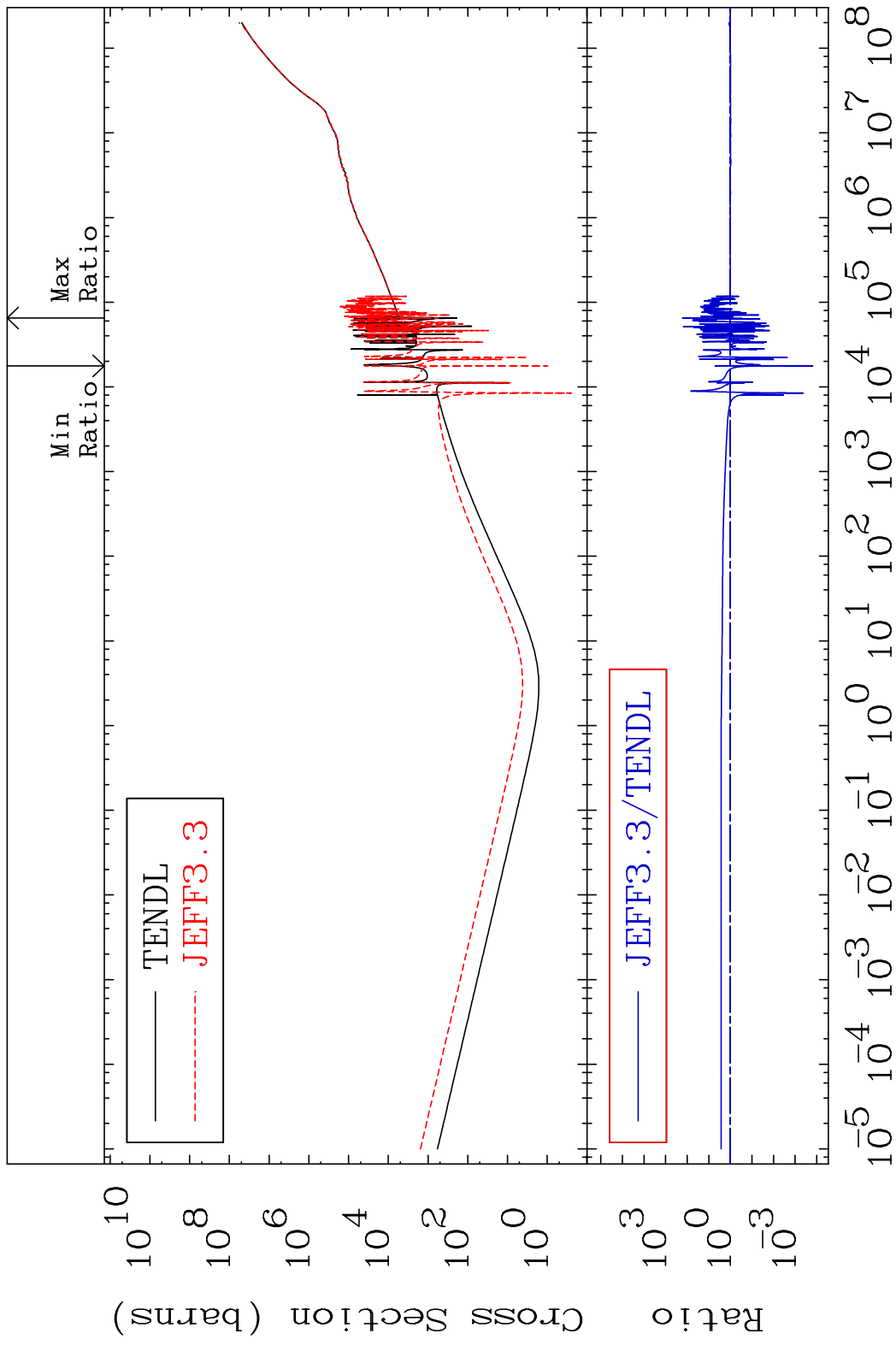
MAT 5067 Total photon (eV-barns) 50-Sn-126  
 Cross Section -100.0 To 9999. %



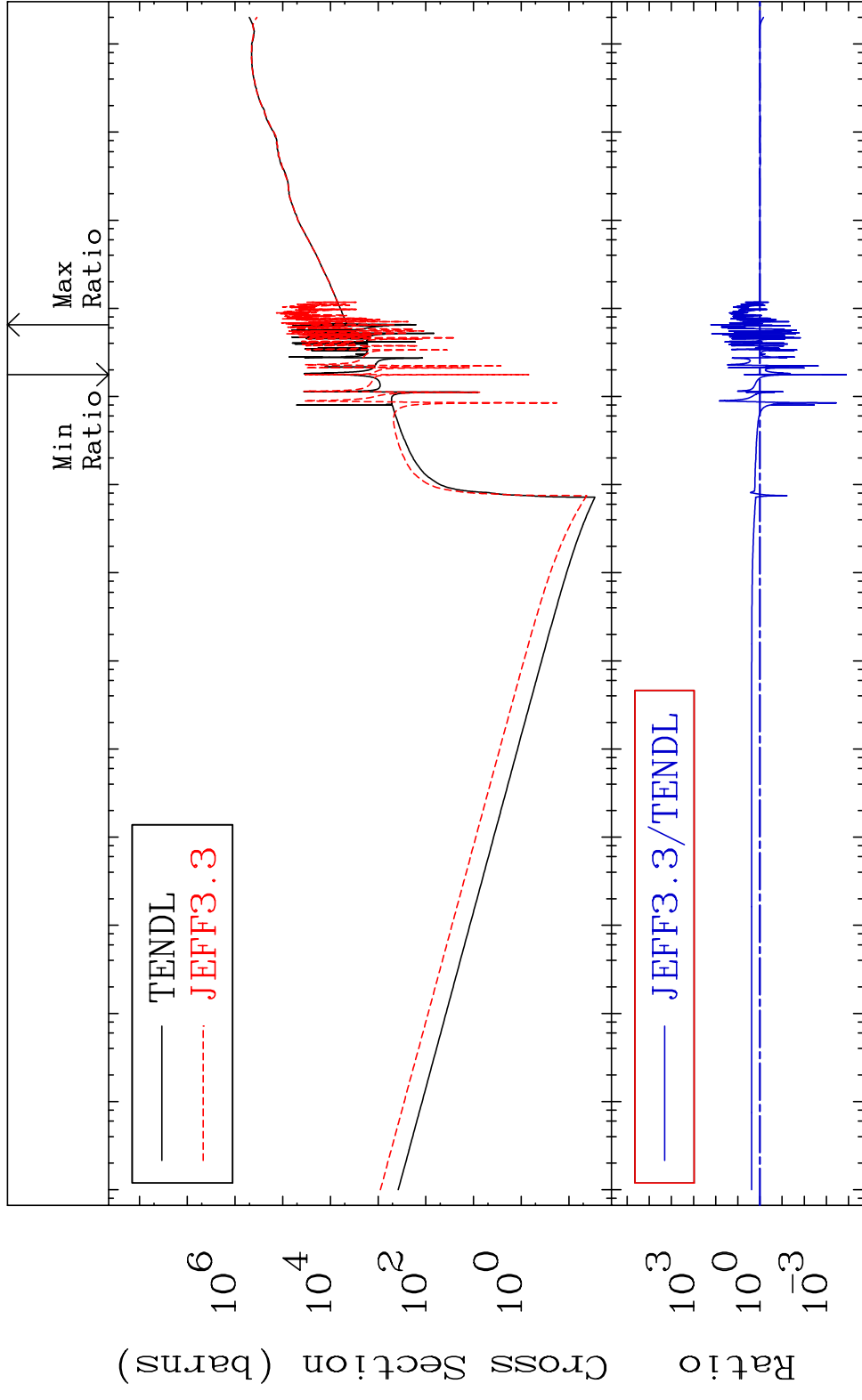
55 Incident Energy (eV) 50-Sn-126



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. %

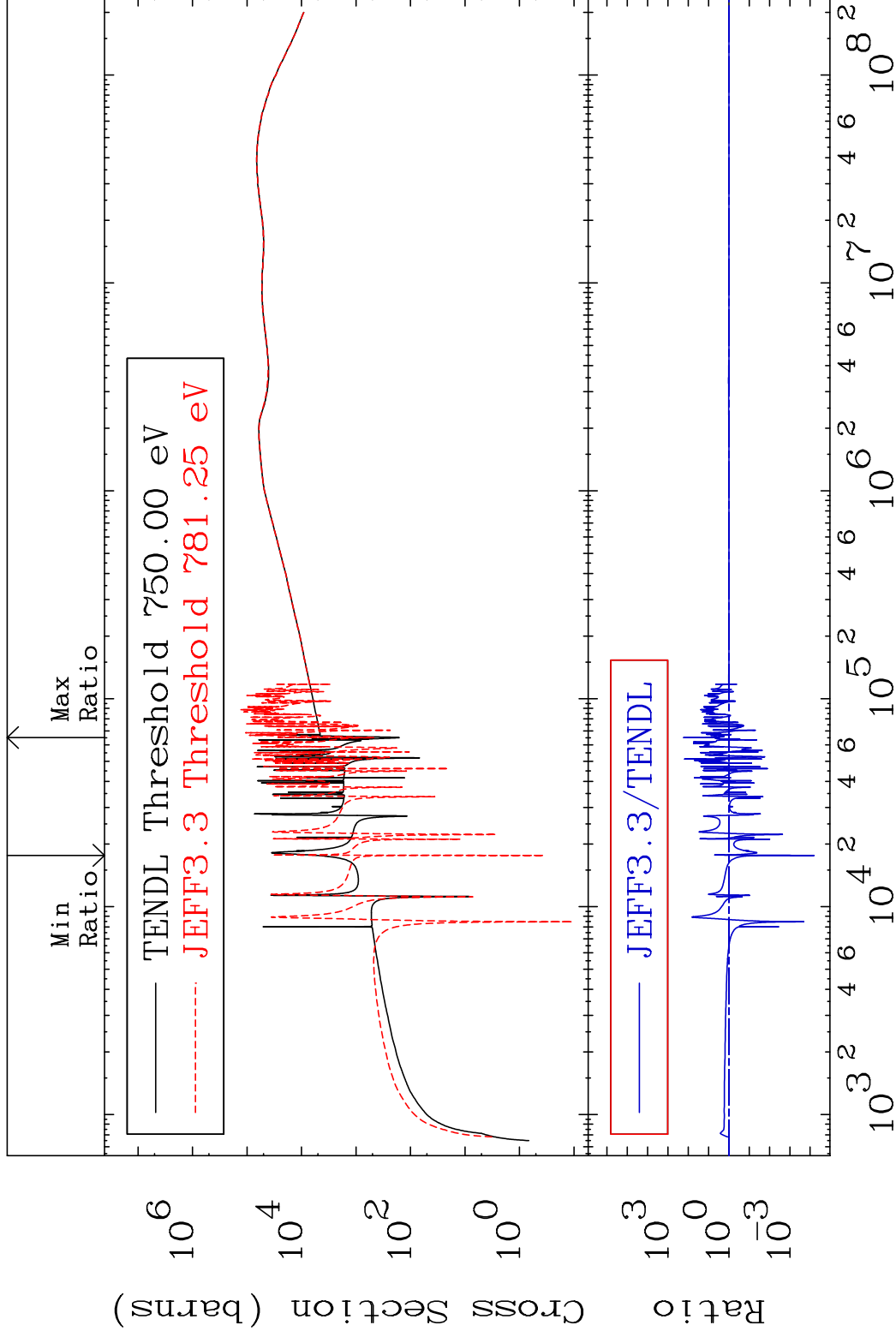


MAT 5067

Dpa elastic (mt2)

50-Sn-126

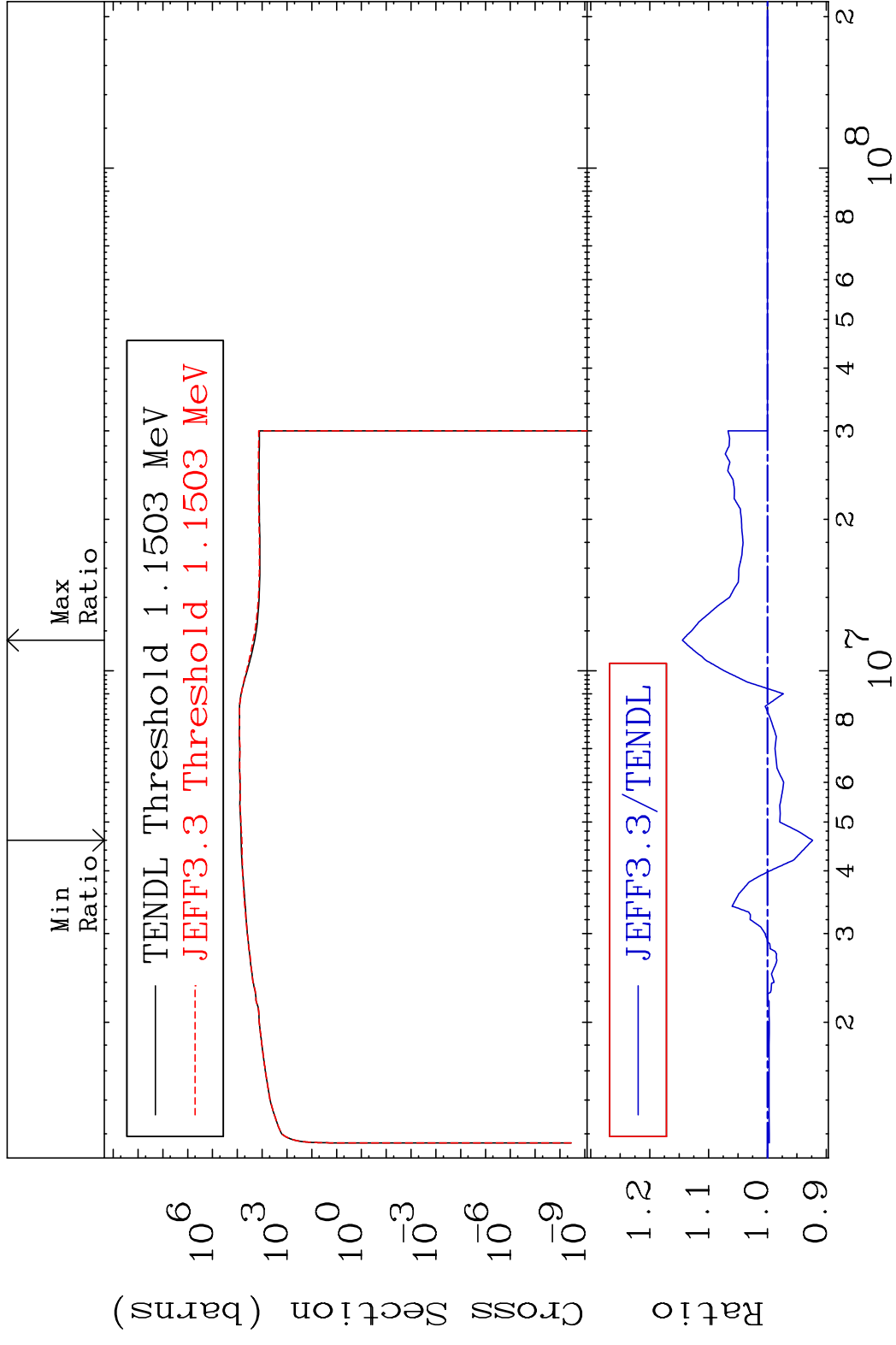
Cross Section -99.99 To 9999. %



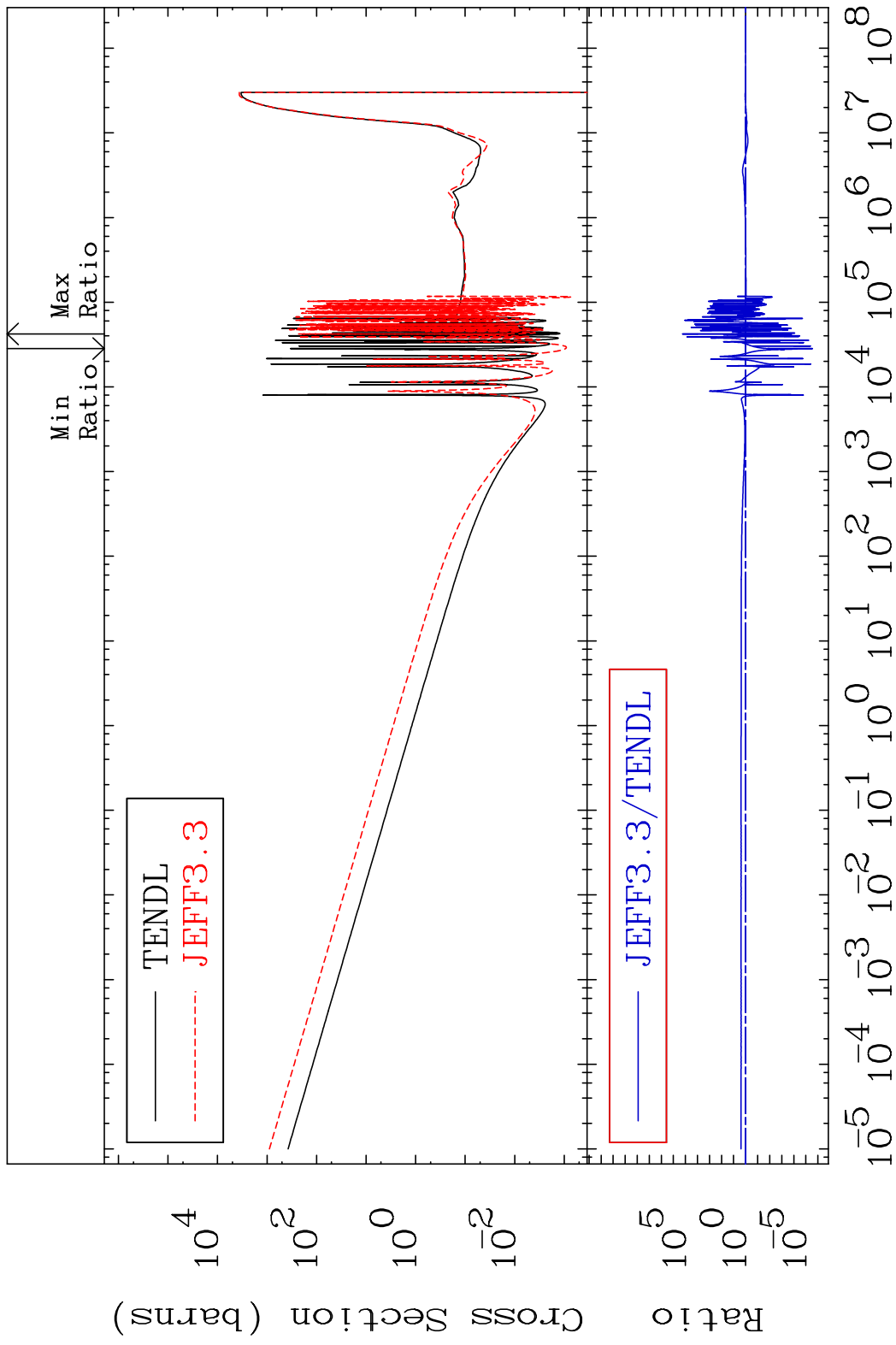
58

Incident Energy (eV)

50-Sn-126

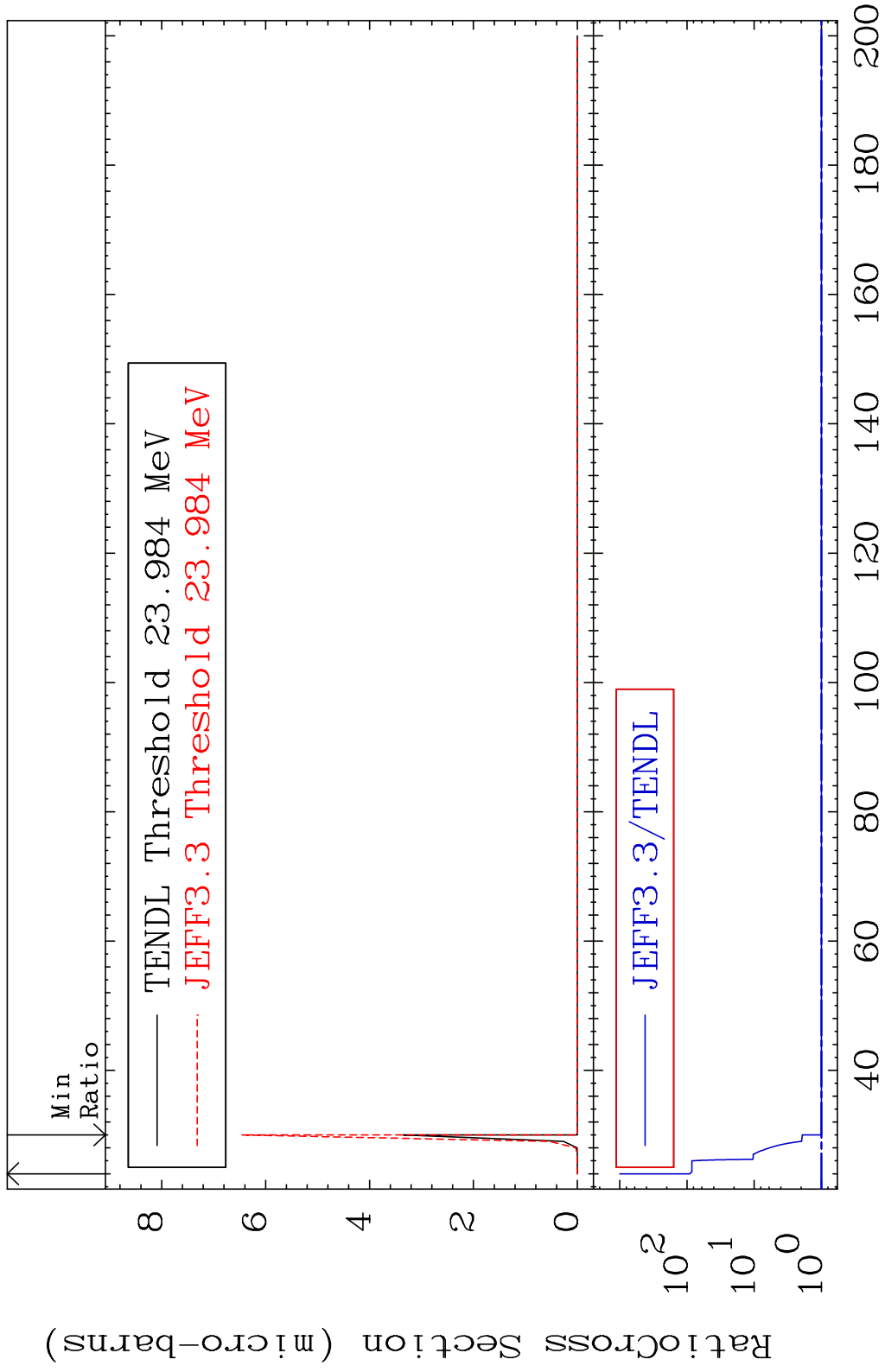


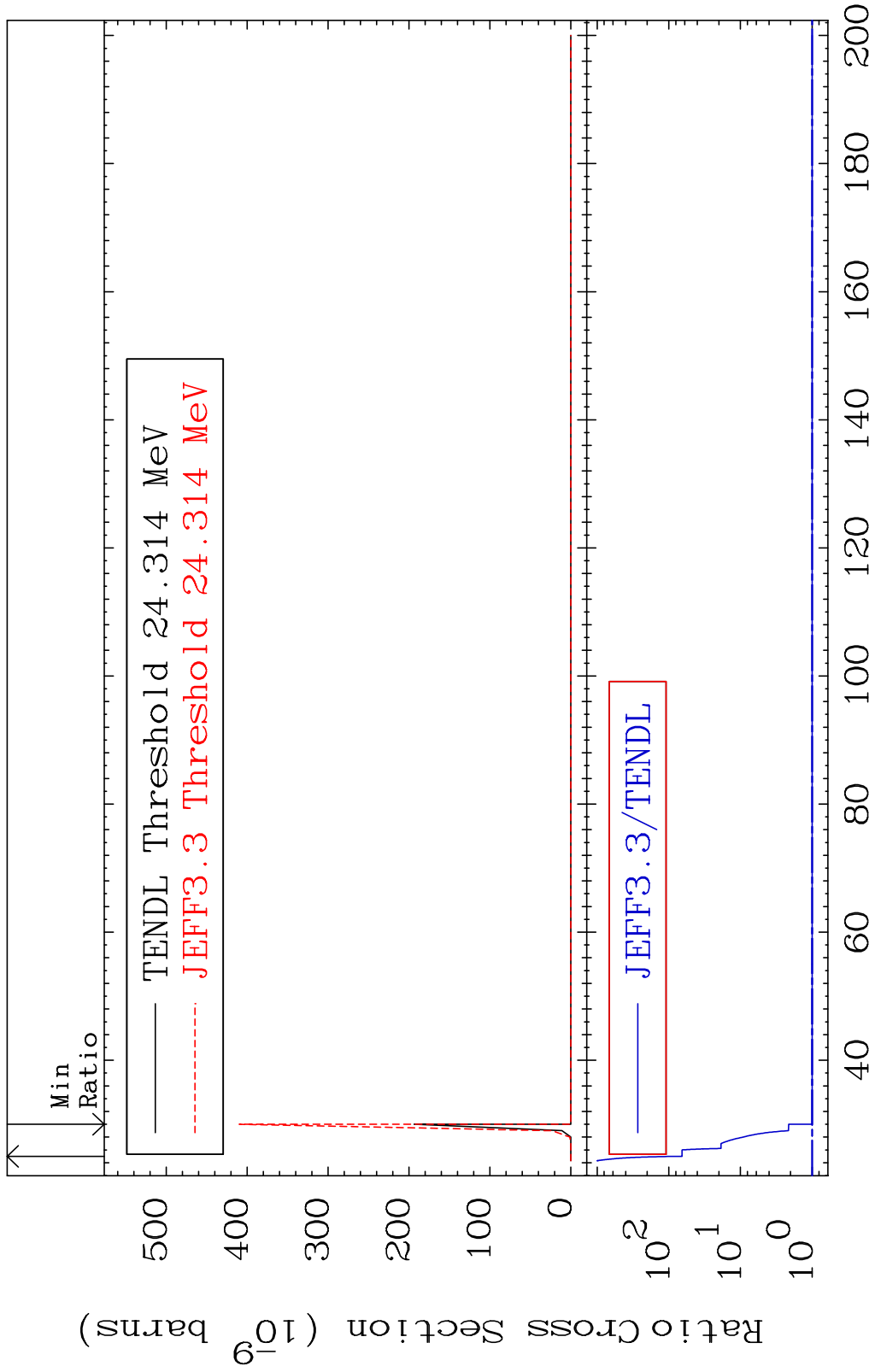
MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126  
 Cross Section -100.0 To 9999. %



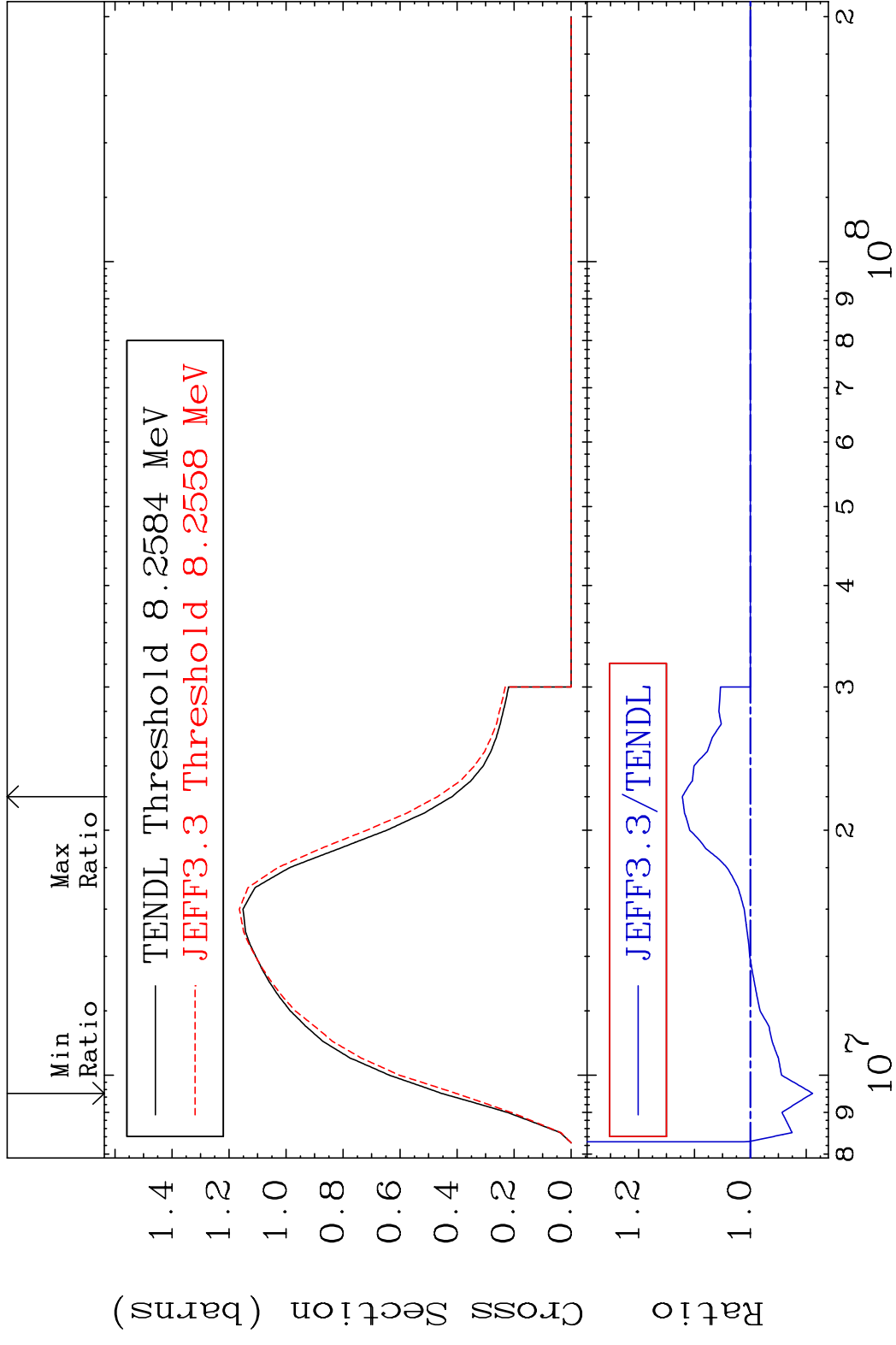
60 Incident Energy (eV) 50-Sn-126

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



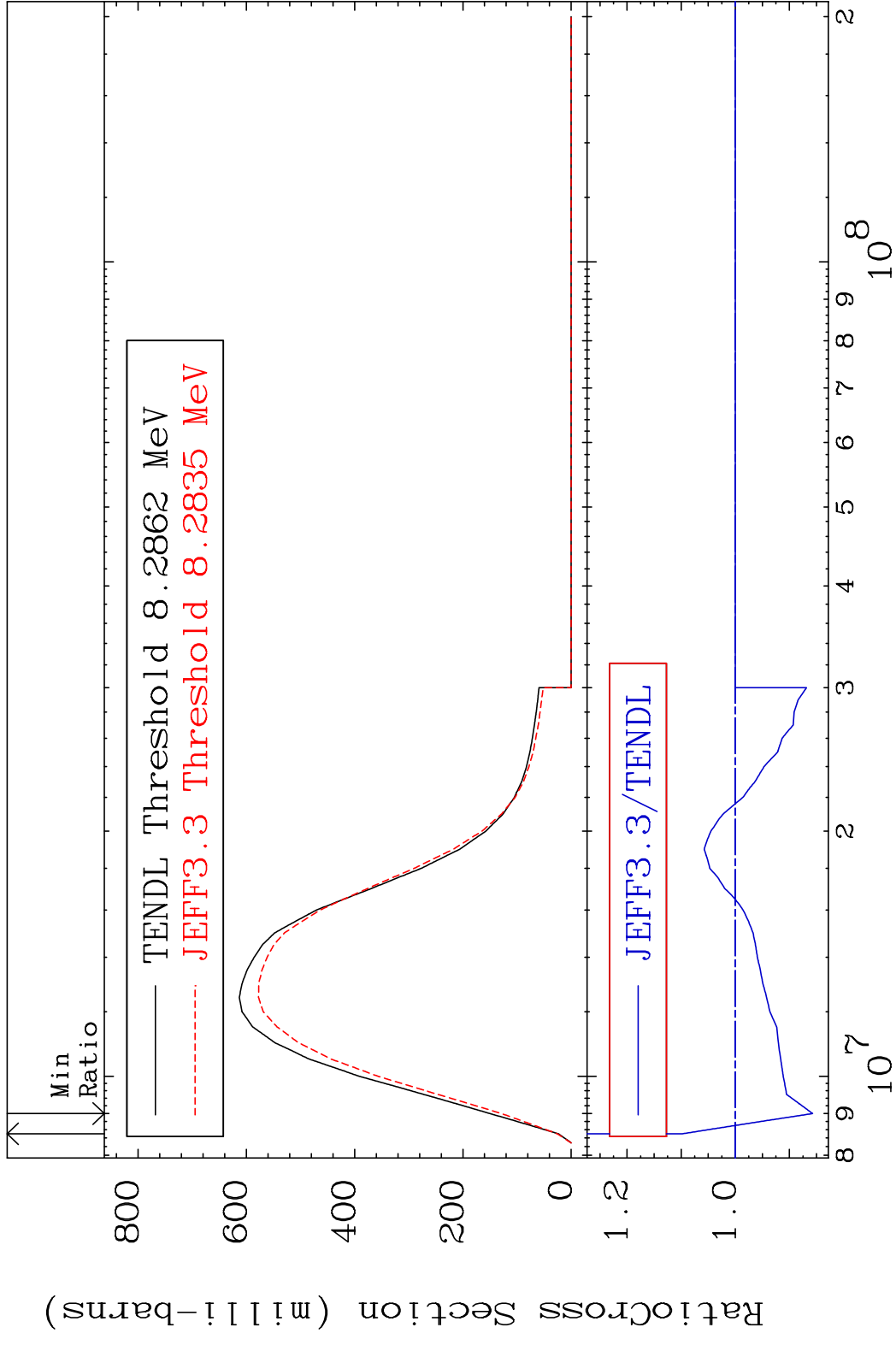


MAT 5067 (n,2n):50-Sn-125g 50-Sn-126  
 Radionuclide Production Cross Section 12.17 %

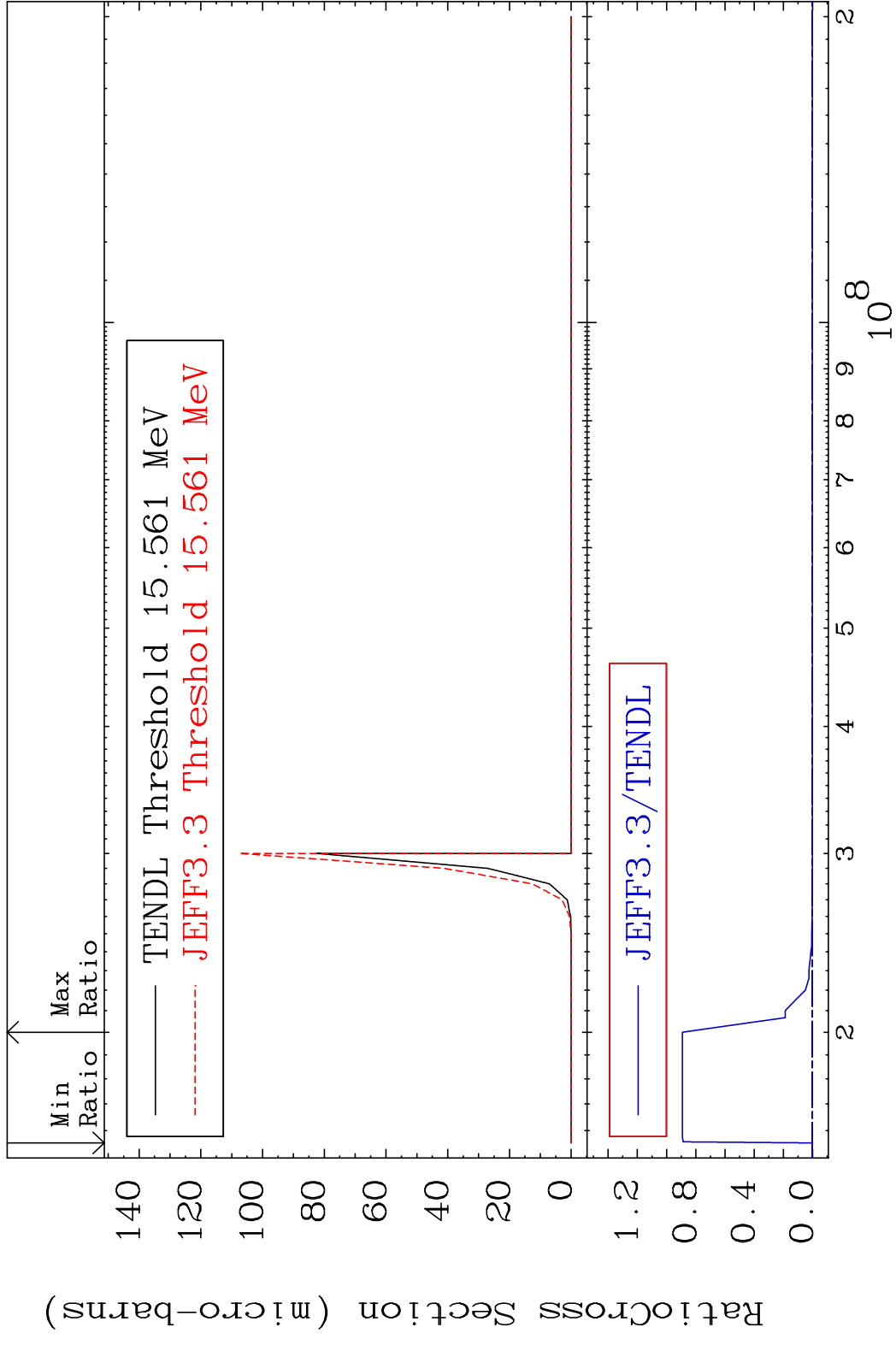


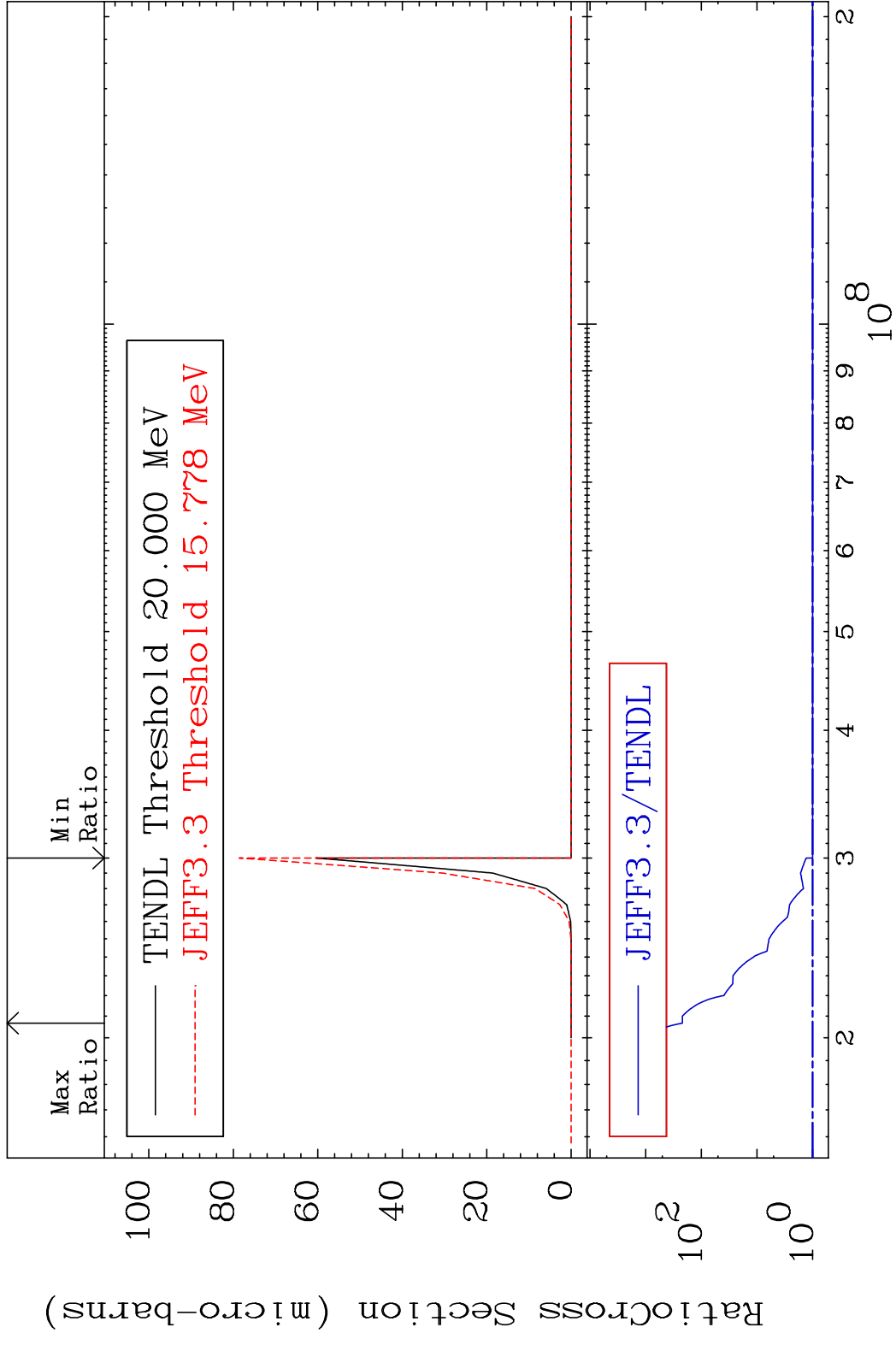


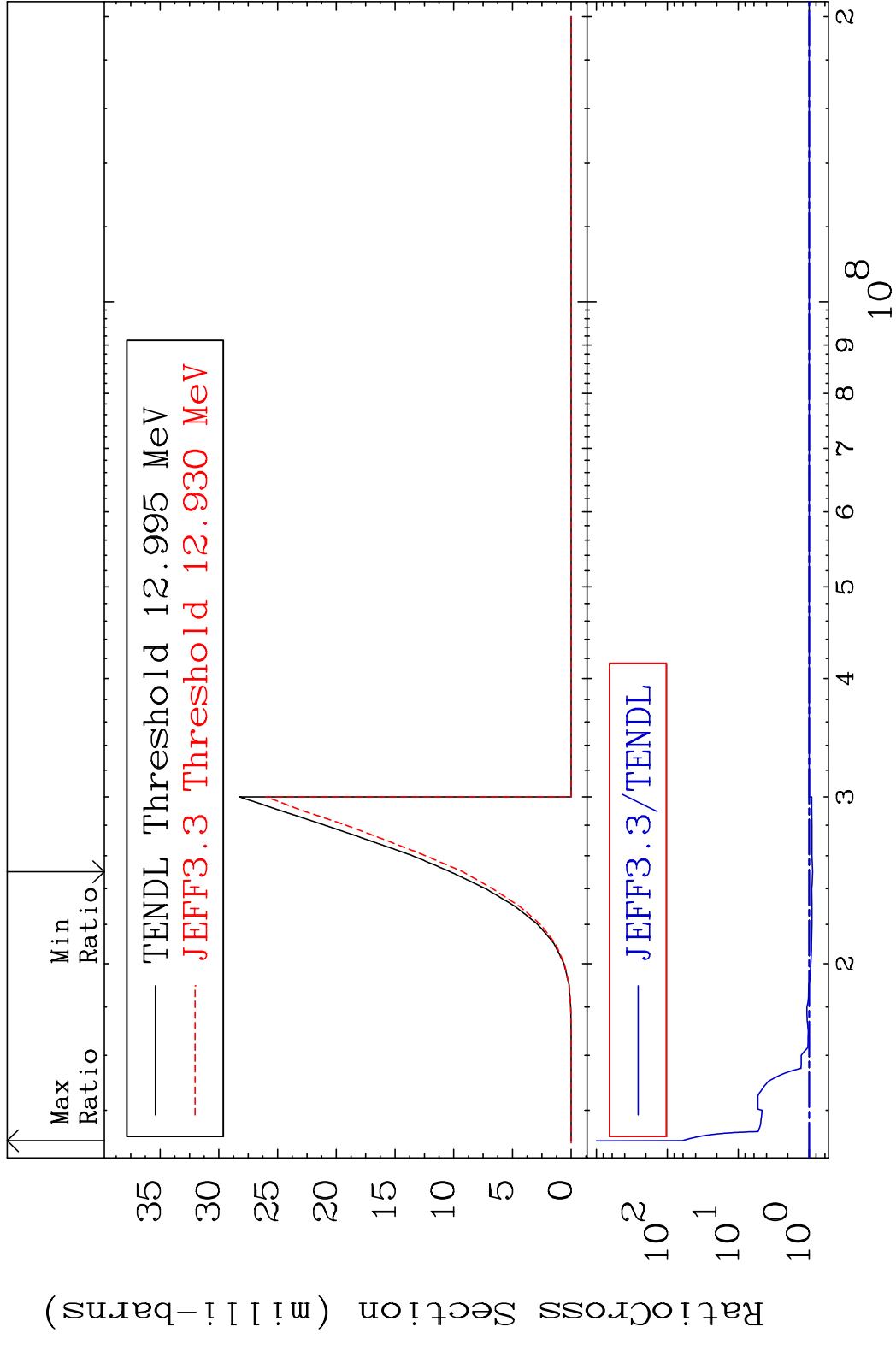
MAT 5067 (n,2n):50-Sn-125m1 50-Sn-126  
 Radionuclide Production Cross Section 9.784 %

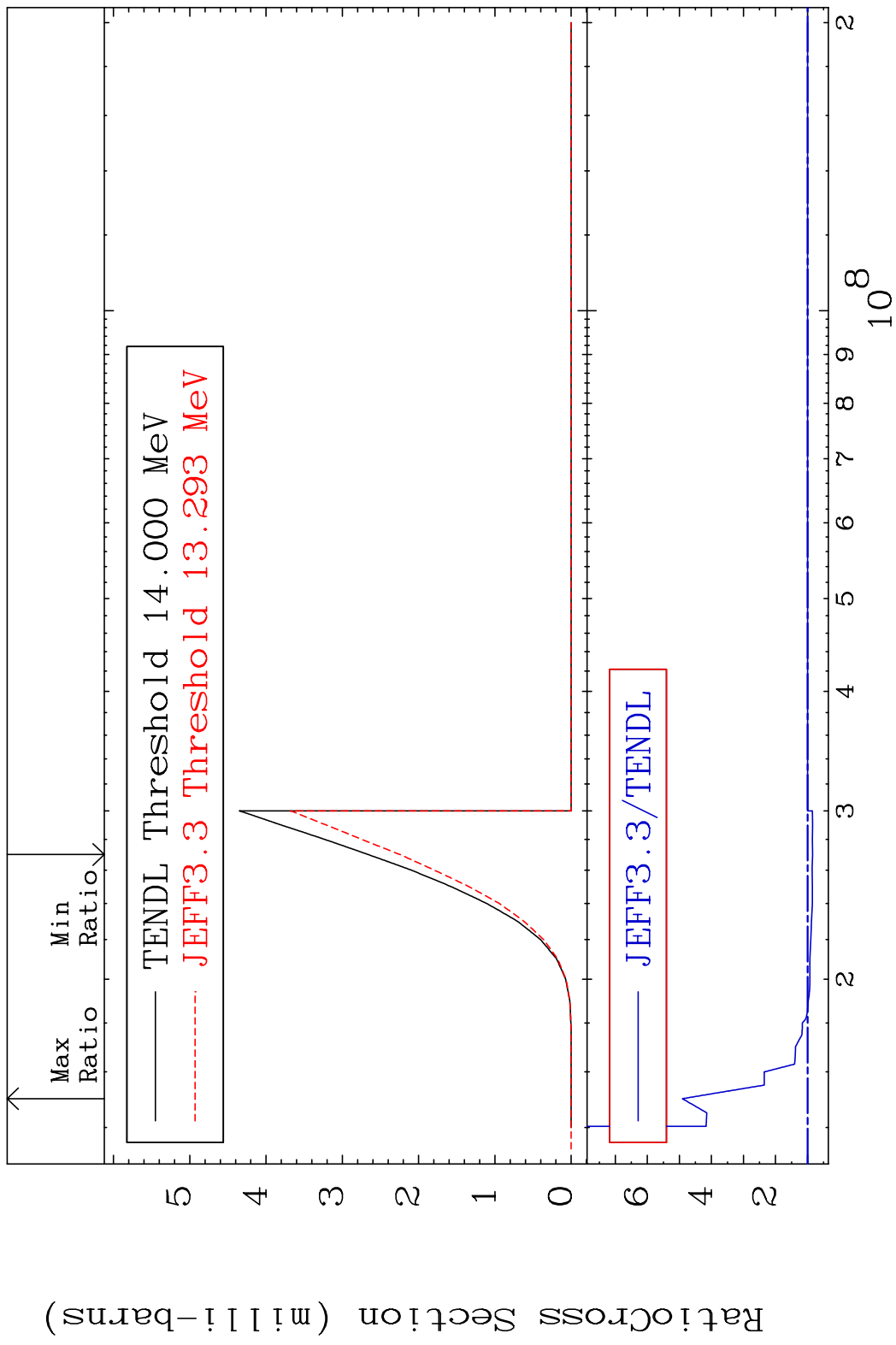


MAT 5067 (n,2n)  $\alpha$ :48-Cd-121g 50-Sn-126  
 Radionuclide Production Cross Section Ratio 9999. %

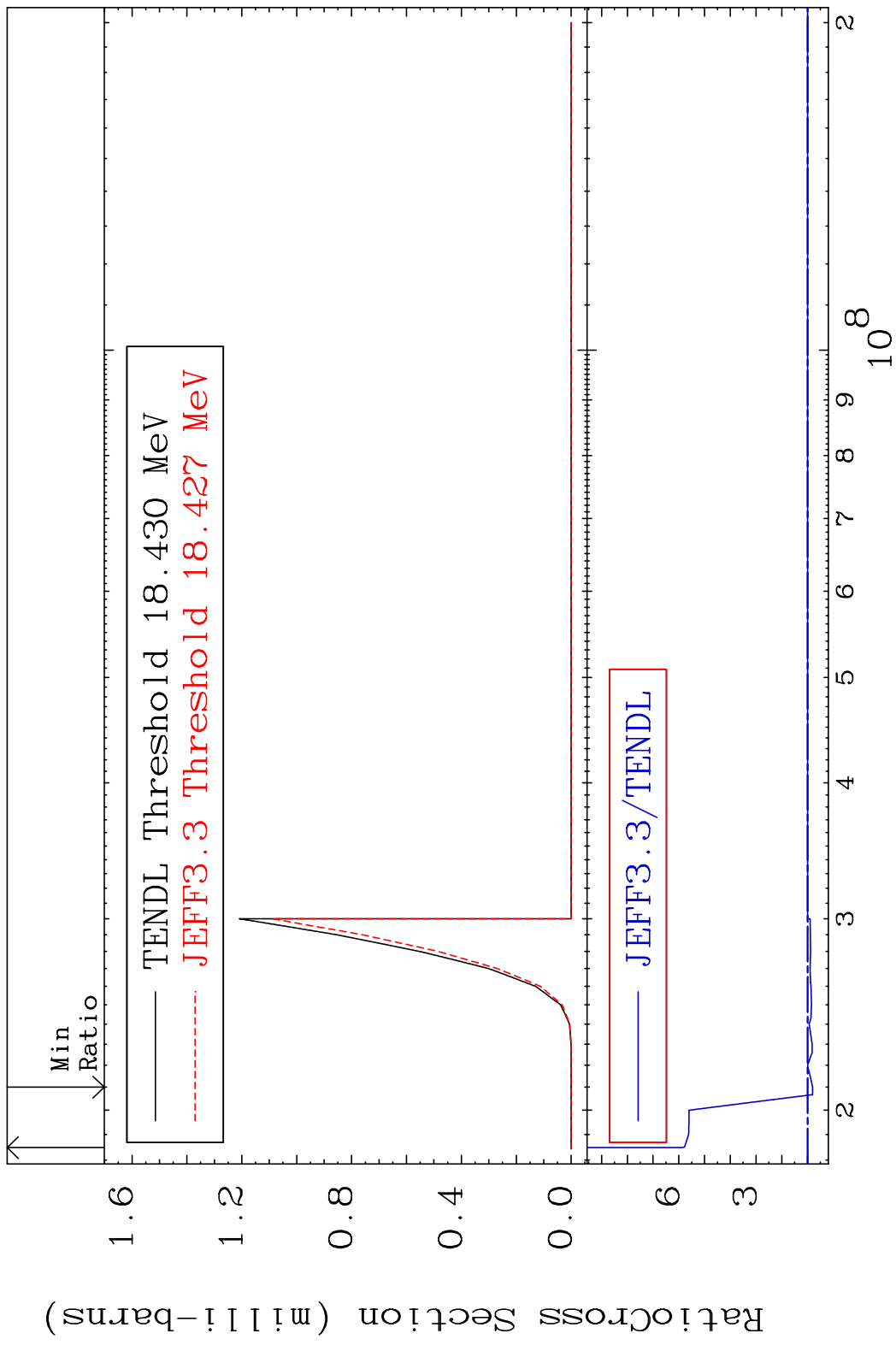


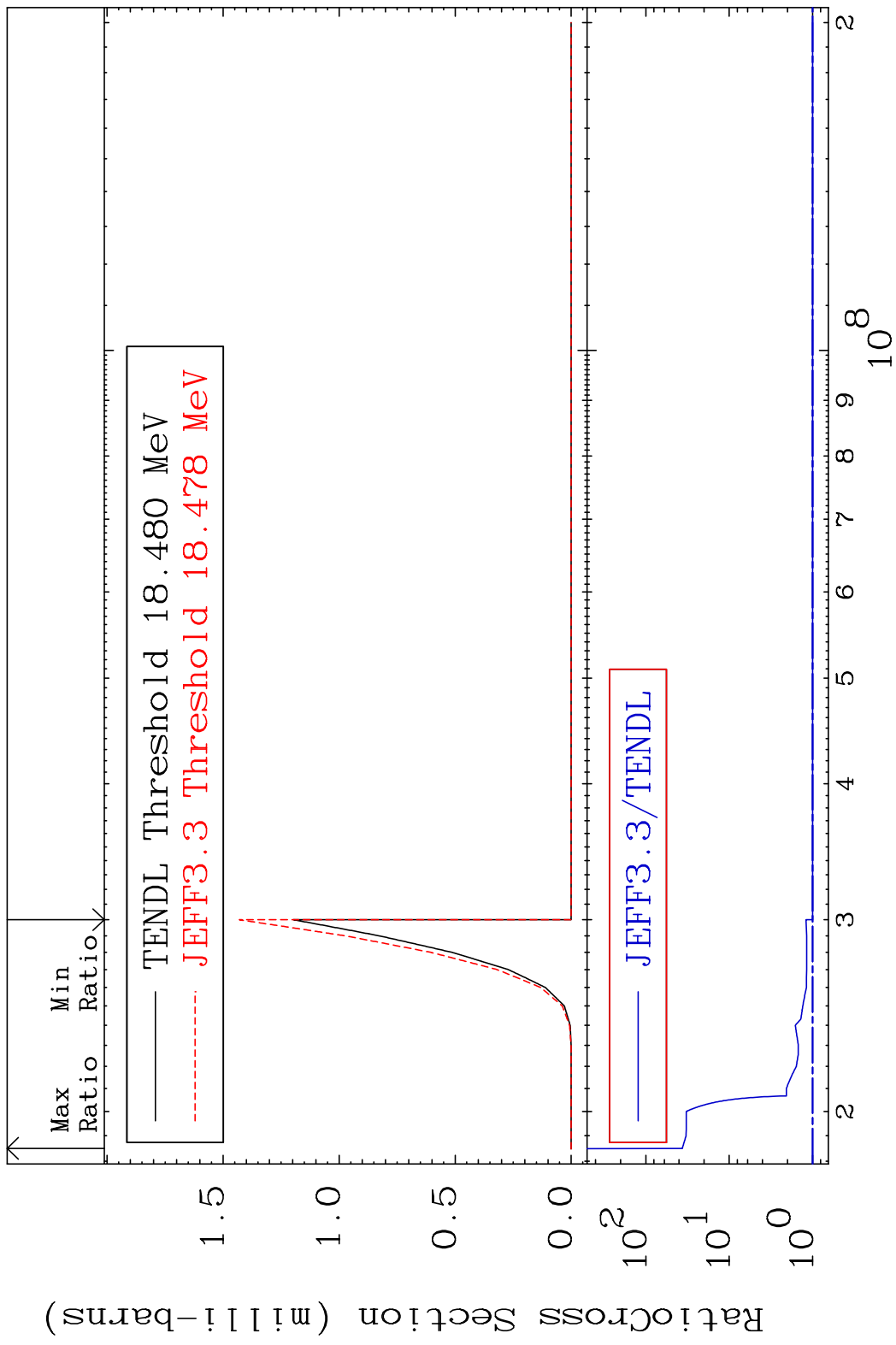




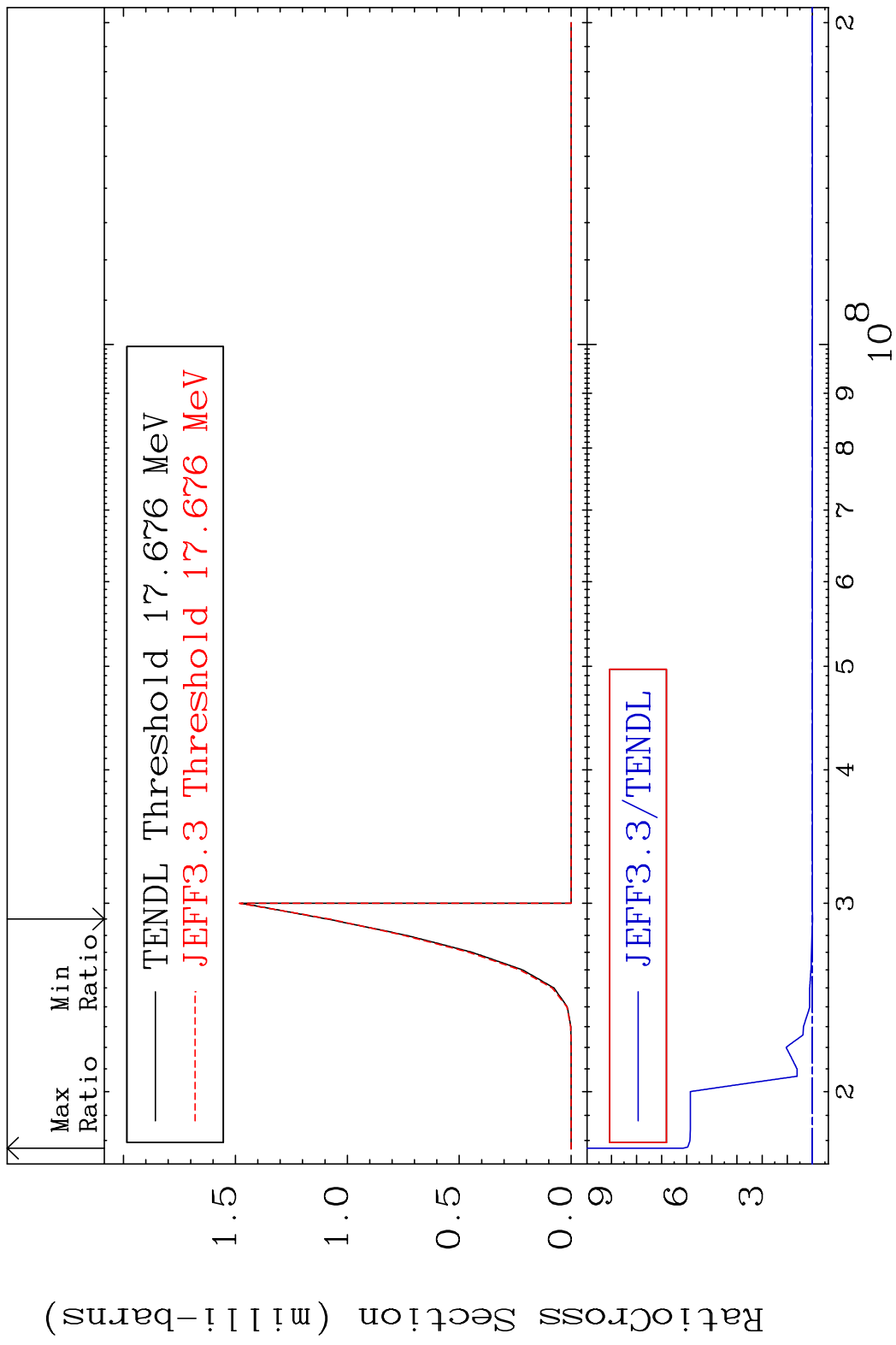


MAT 5067 (n, n') d:49-In-124g 50-Sn-126  
 Radionuclide Production Cross Section 1966 to 486.3 %

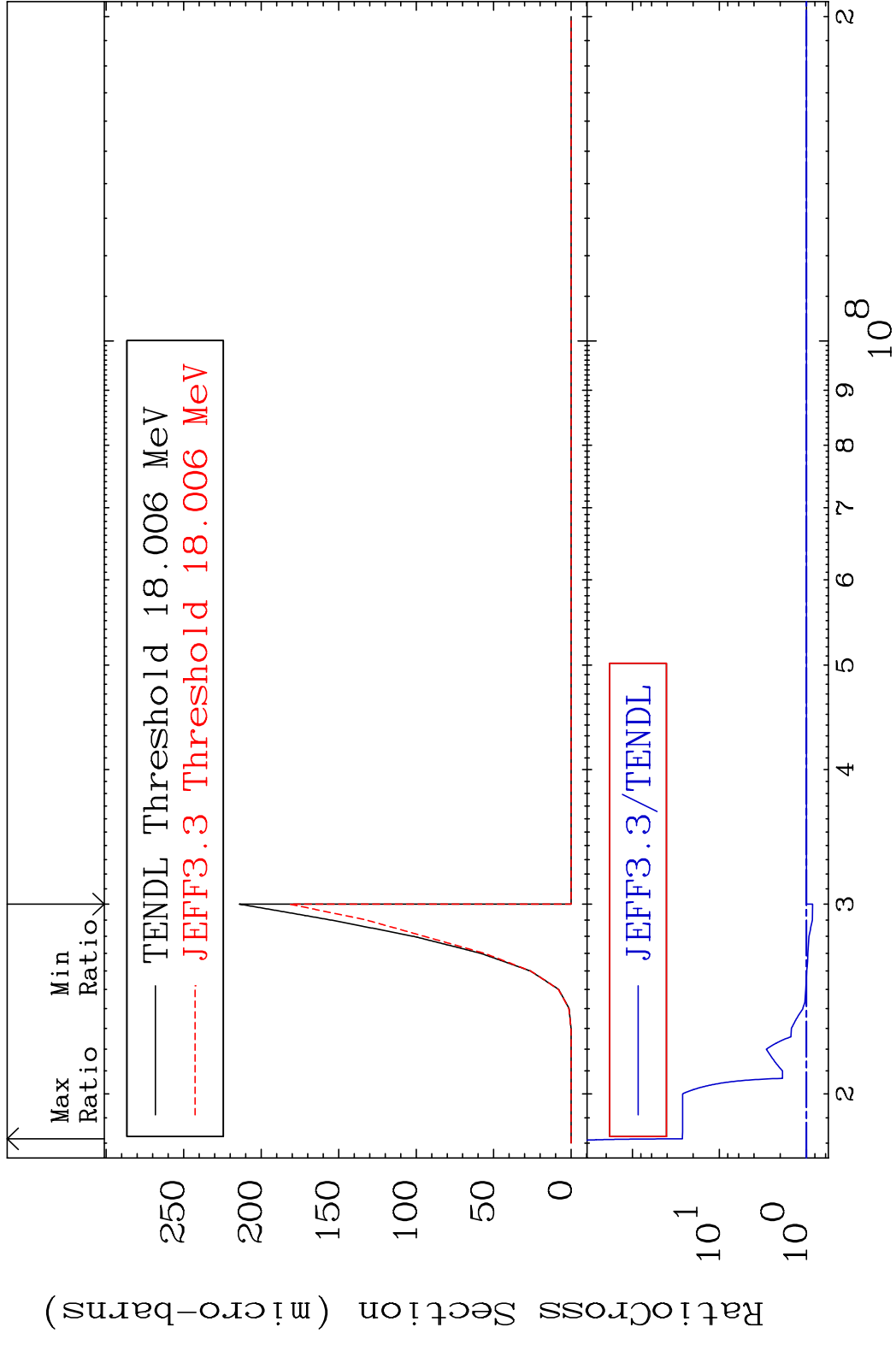




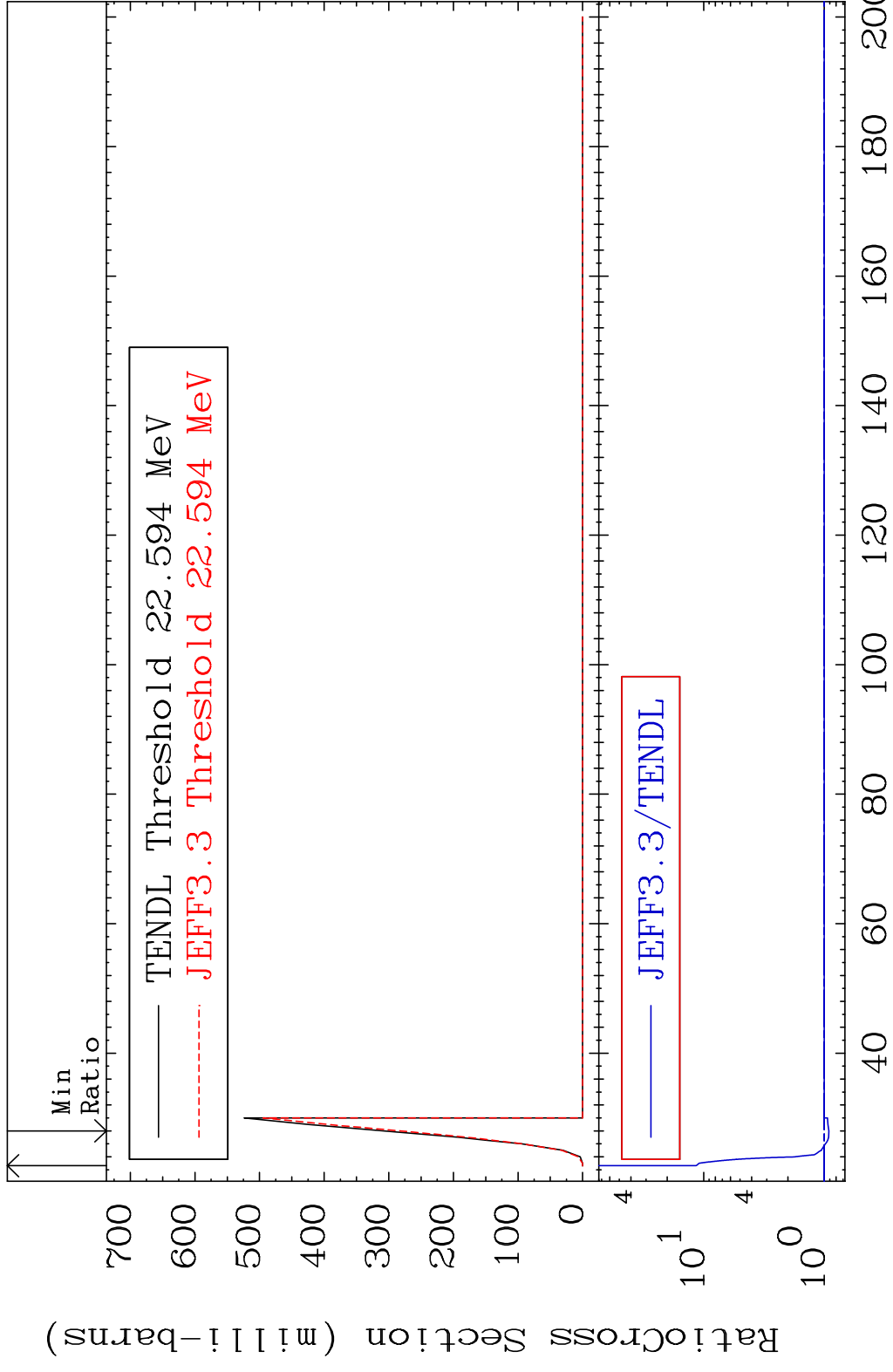
MAT 5067 (n, n') t:49-In-123g 50-Sn-126  
 Radionuclide Production Cross Section 517.7 %



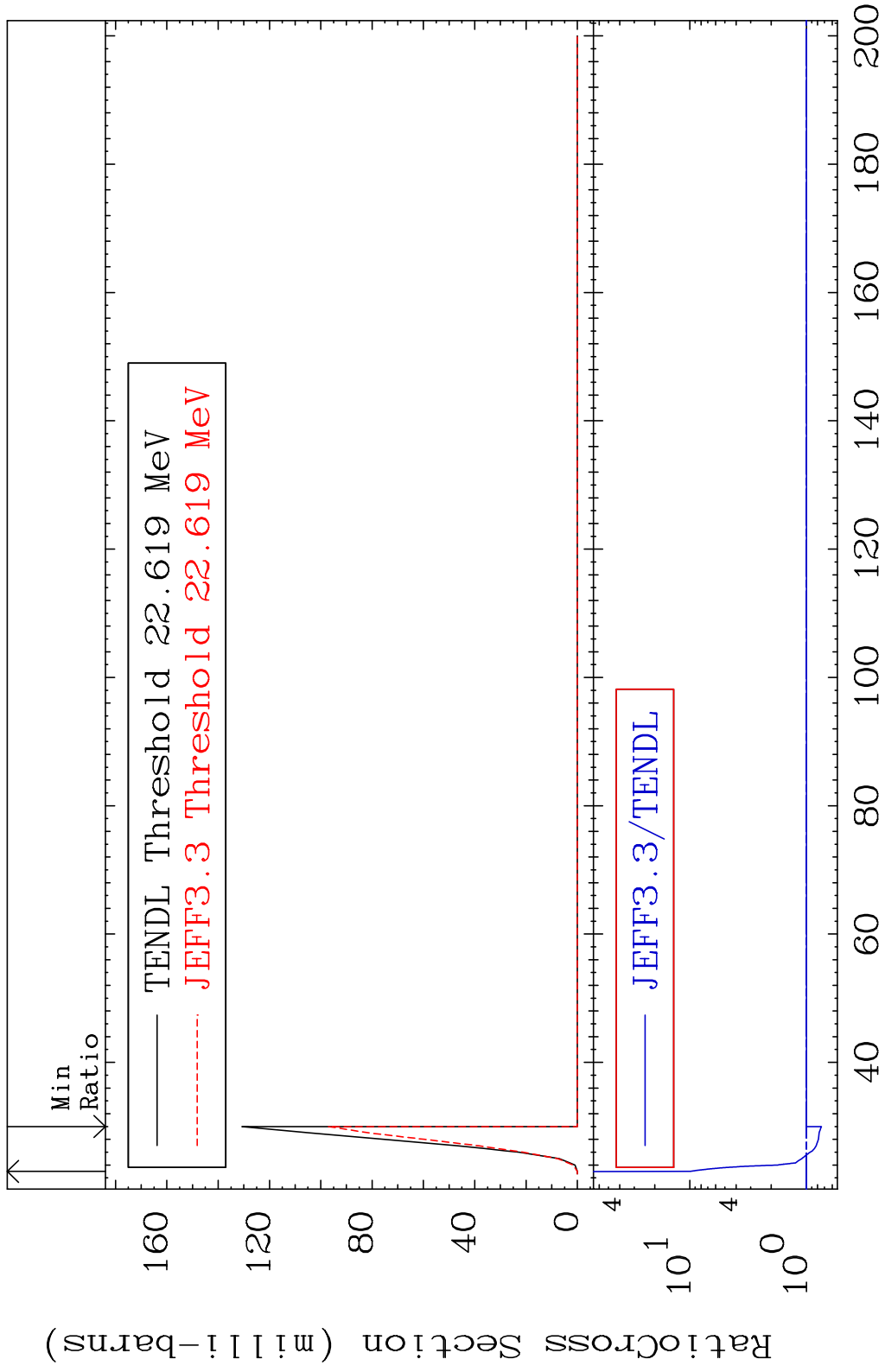


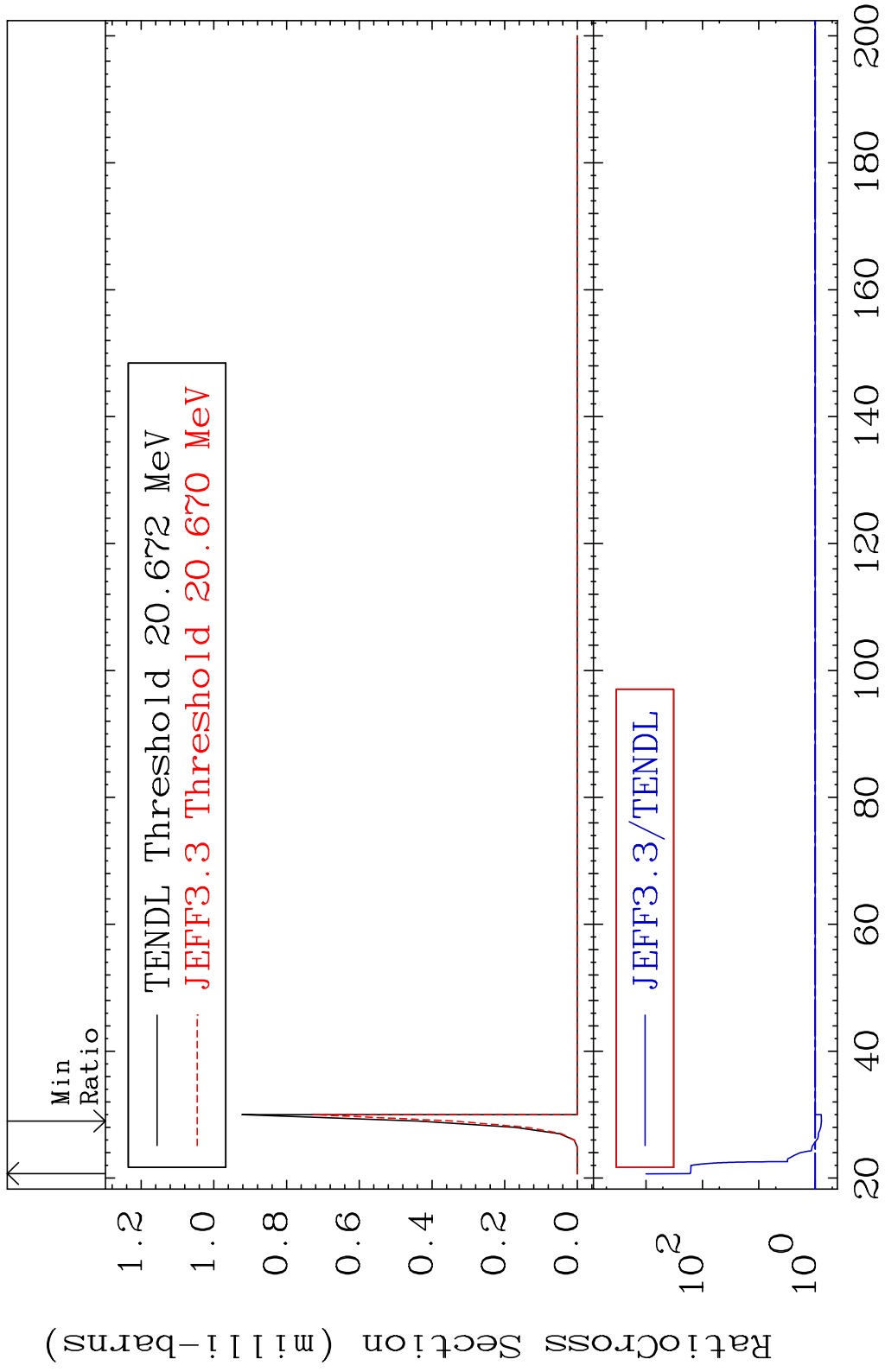


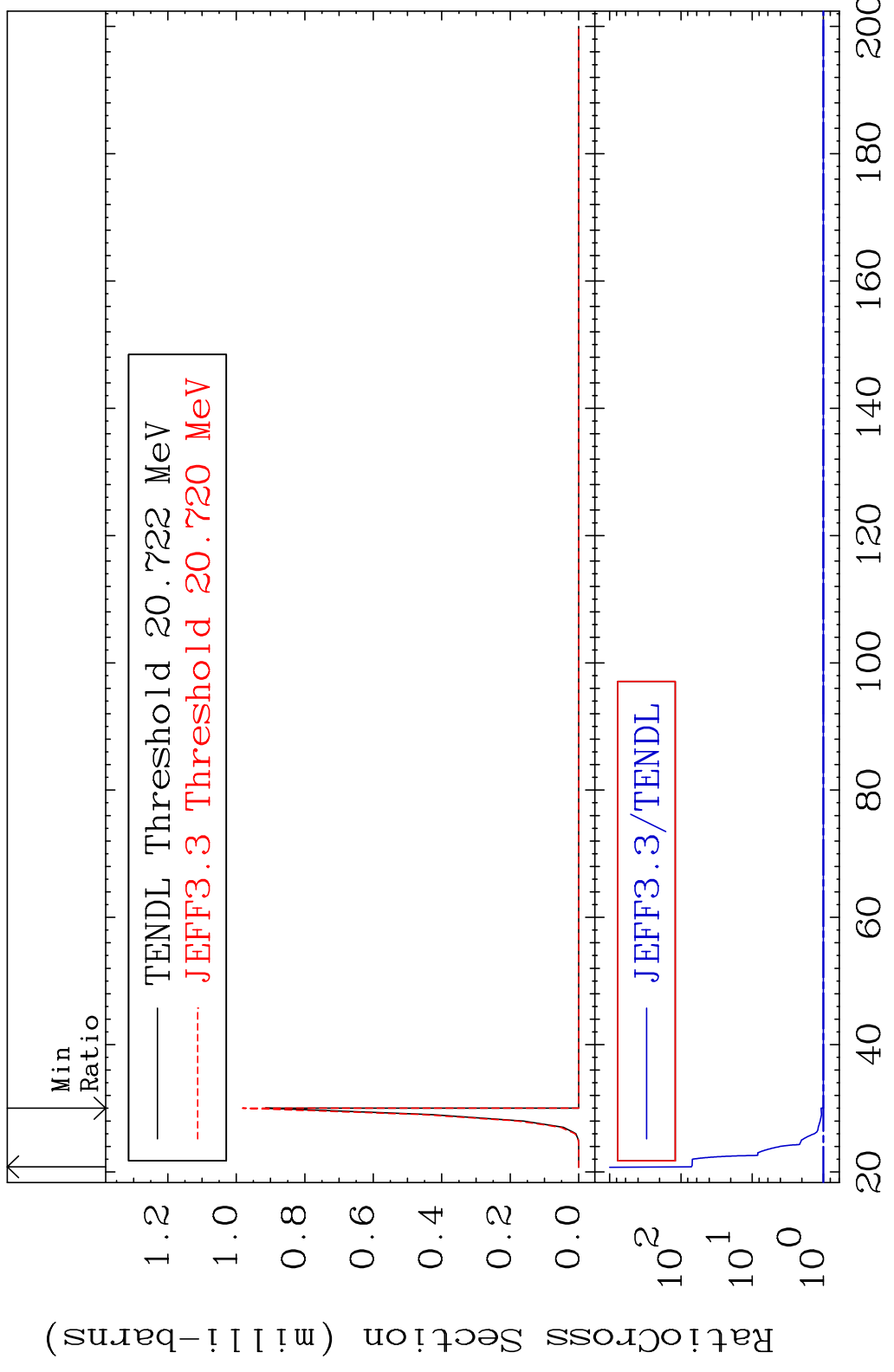
MAT 5067 (n,4n):50-Sn-123g 50-Sn-126  
 Radionuclide Production Cross Section Ratio 1056. %



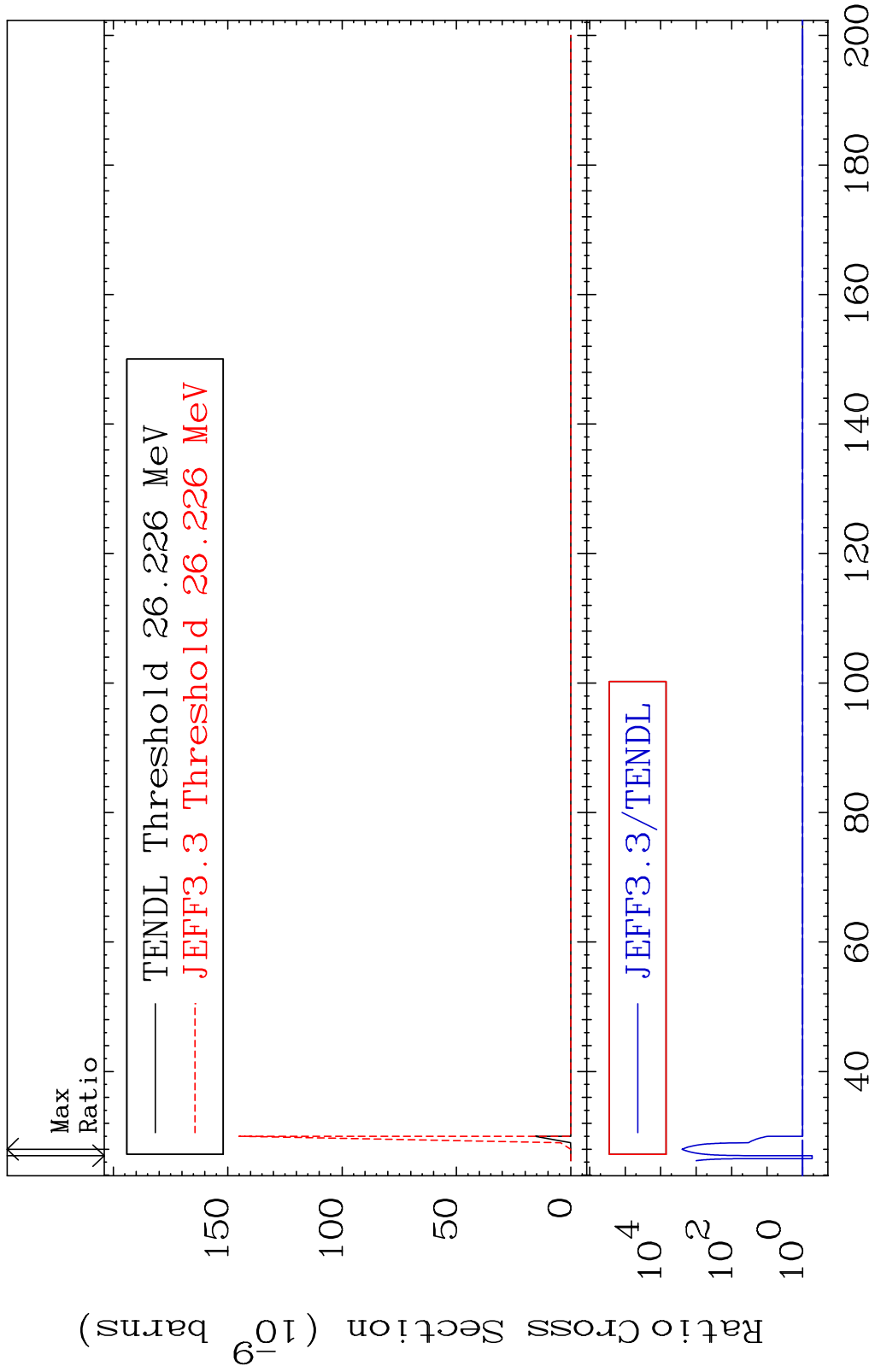
MAT 5067 (n, 4n):50-Sn-123m1 50-Sn-126  
 Radionuclide Production Cross Section 901.0 %

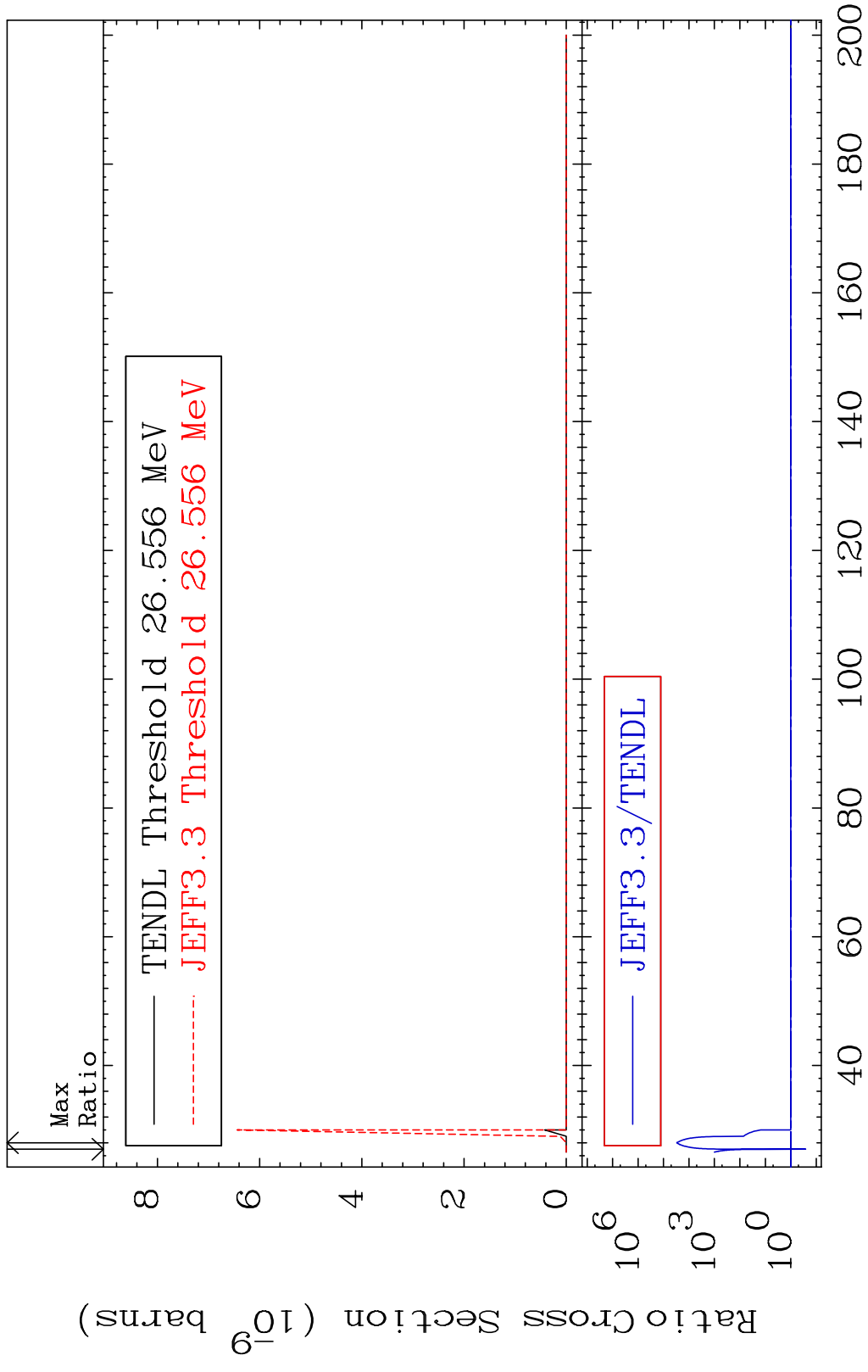




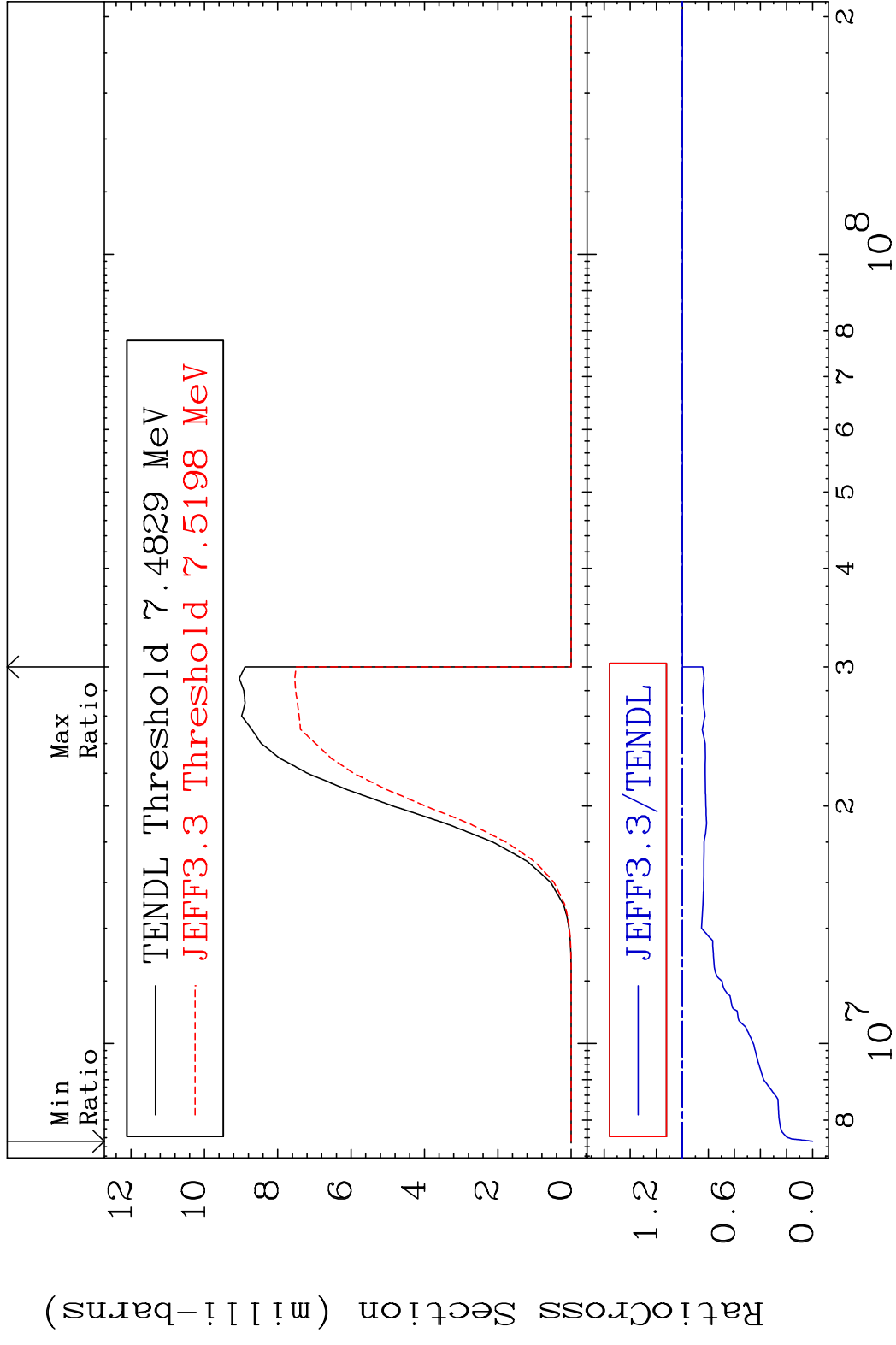


MAT 5067 (n,3n) p:49-In-123g 50-Sn-126  
 Radionuclide Production Cross Section 48.061 dth 9999. %



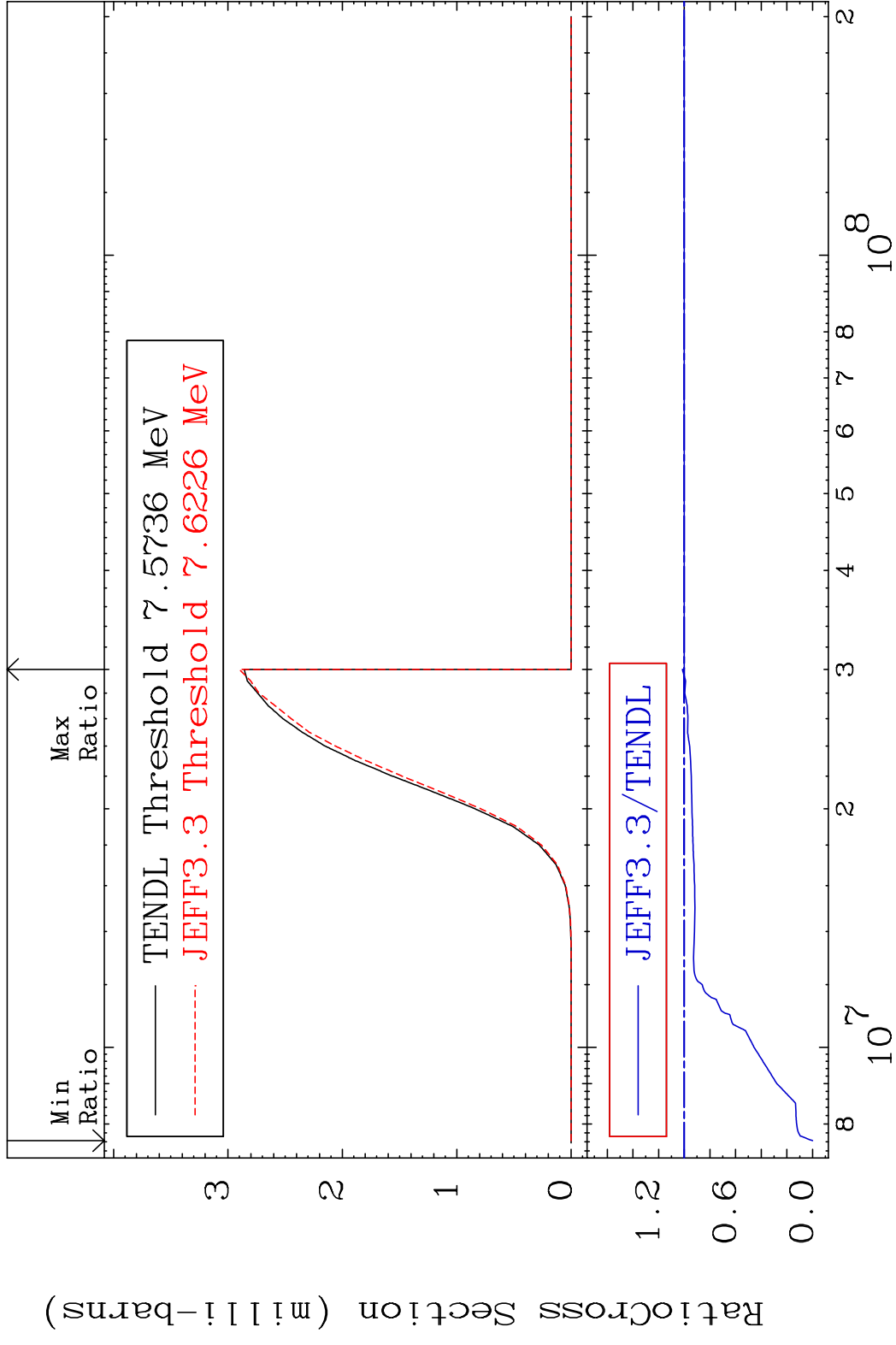


MAT 5067 (n,p):49-In-126 50-Sn-126  
 Radionuclide Production Cross Section 180.01 dth 0.000 %



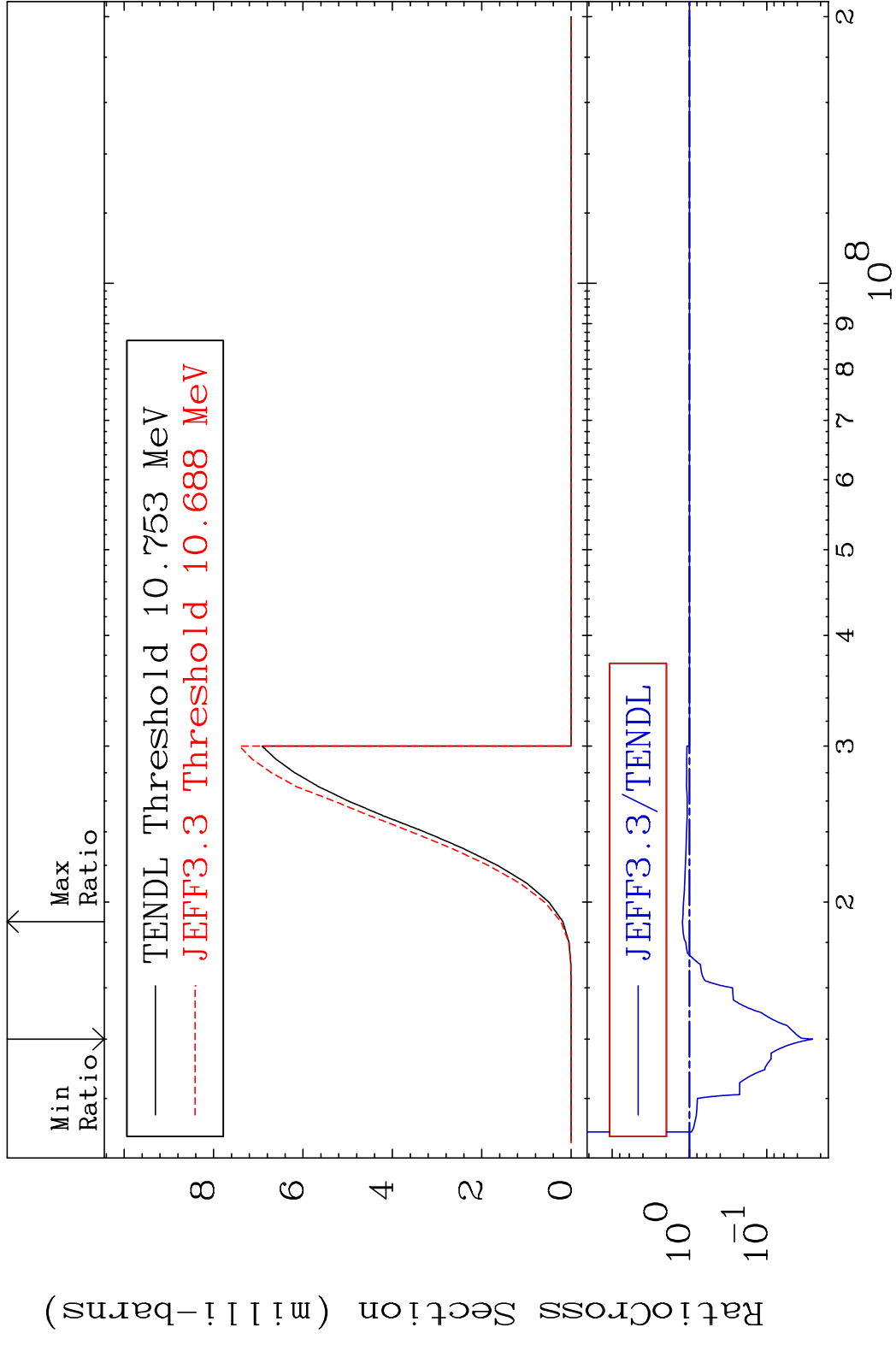


MAT 5067 (n, p): 49-In-126m1 50-Sn-126  
 Radionuclide Production Cross Section Ratio 1.488 %

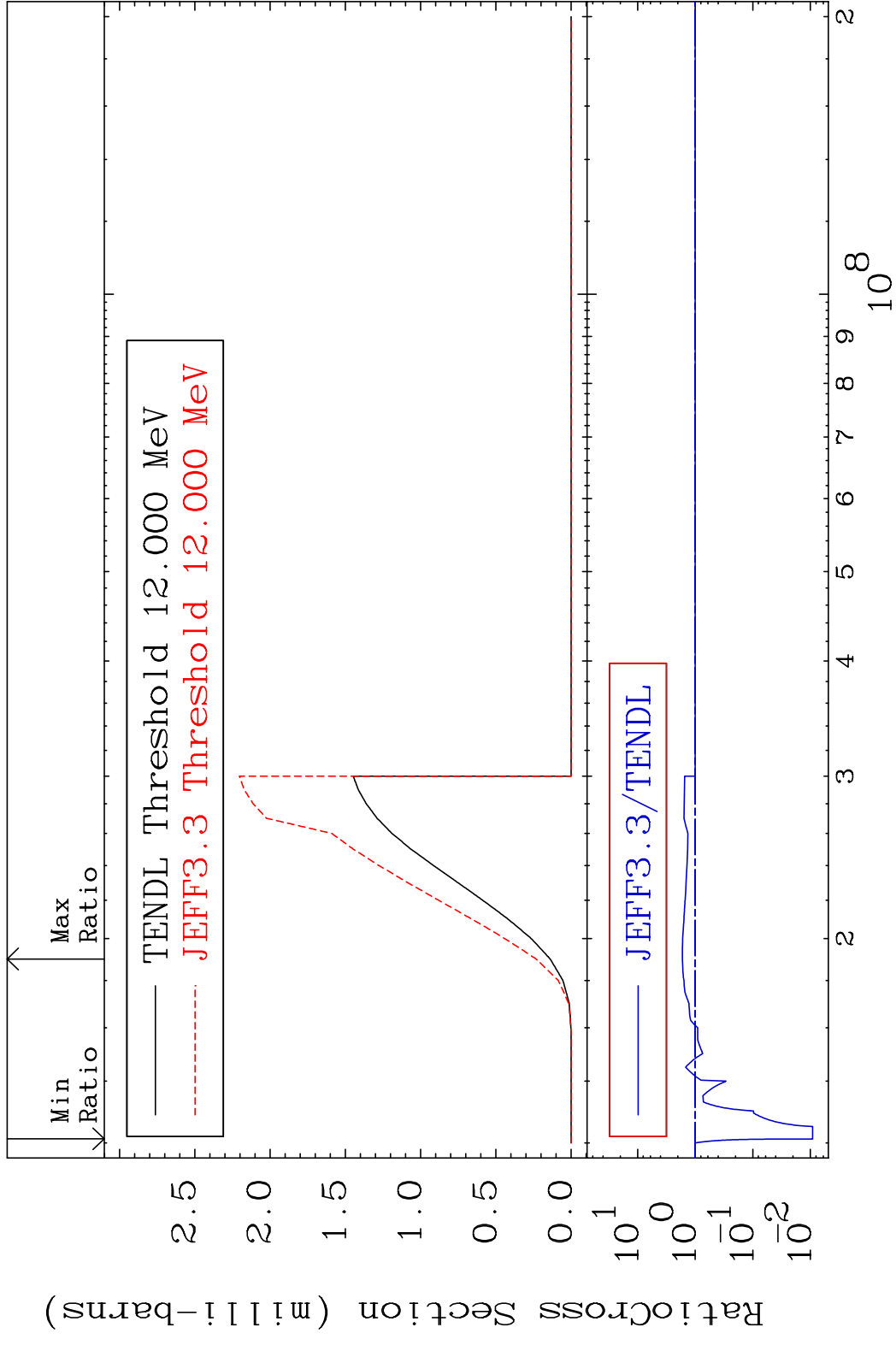


80 Incident Energy (eV) 50-Sn-126

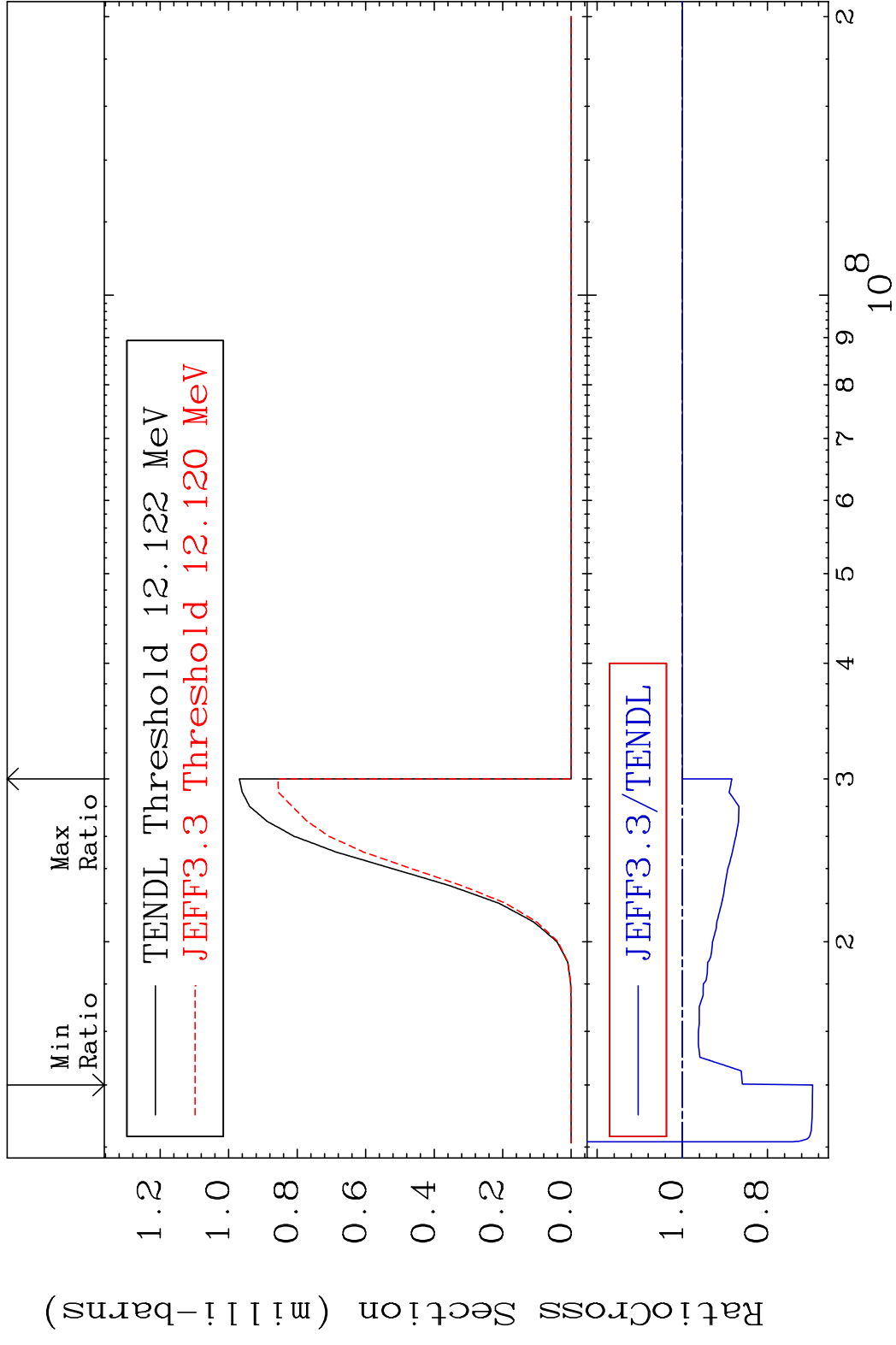
MAT 5067 (n, d) : 49-In-125g 50-Sn-126  
 Radionuclide Production Cross Section 23.30 %



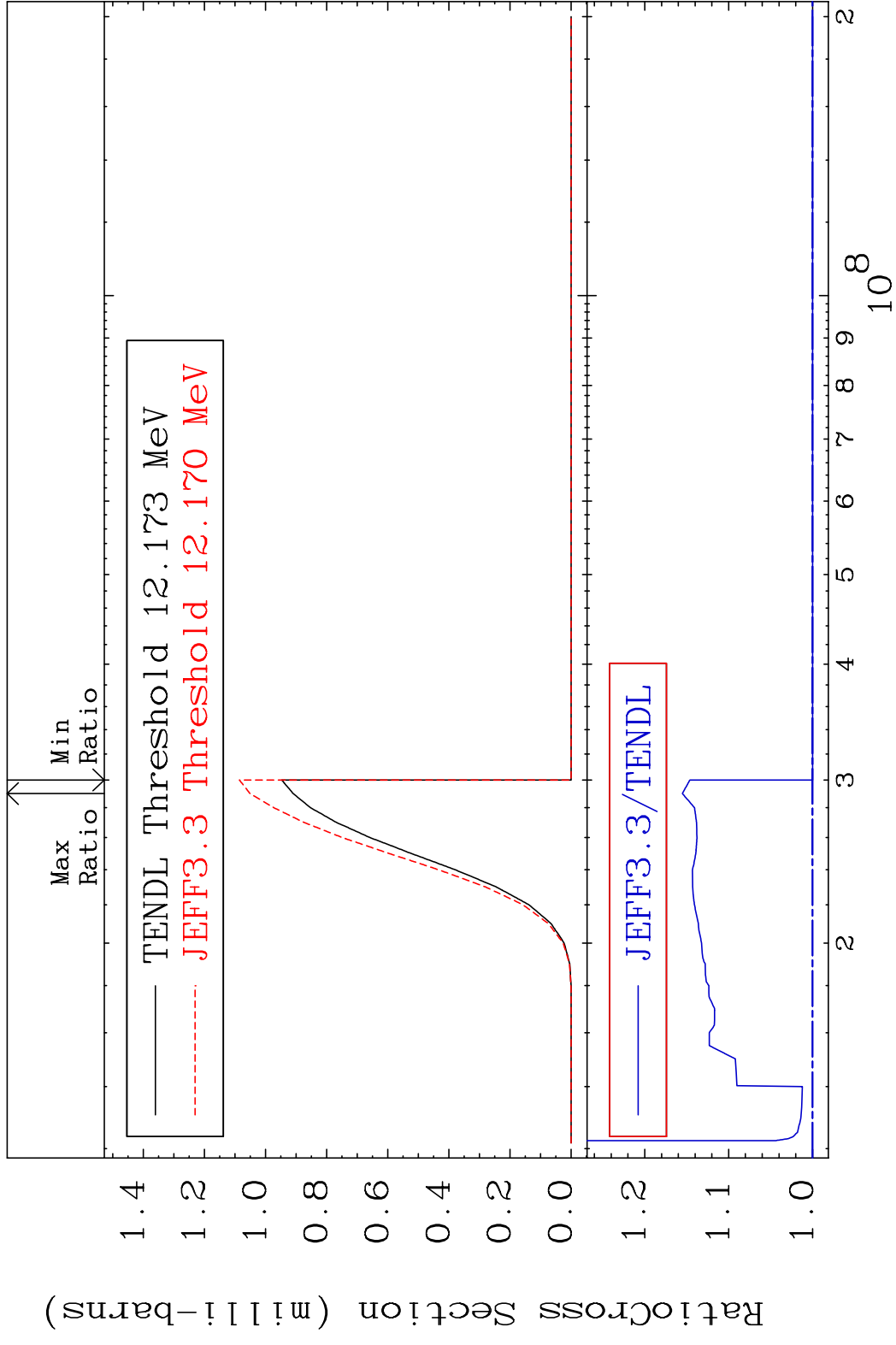
MAT 5067 (n, d): 49-In-125m1 50-Sn-126  
 Radionuclide Production Cross Section 67.23 %



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 100.00 %

