

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

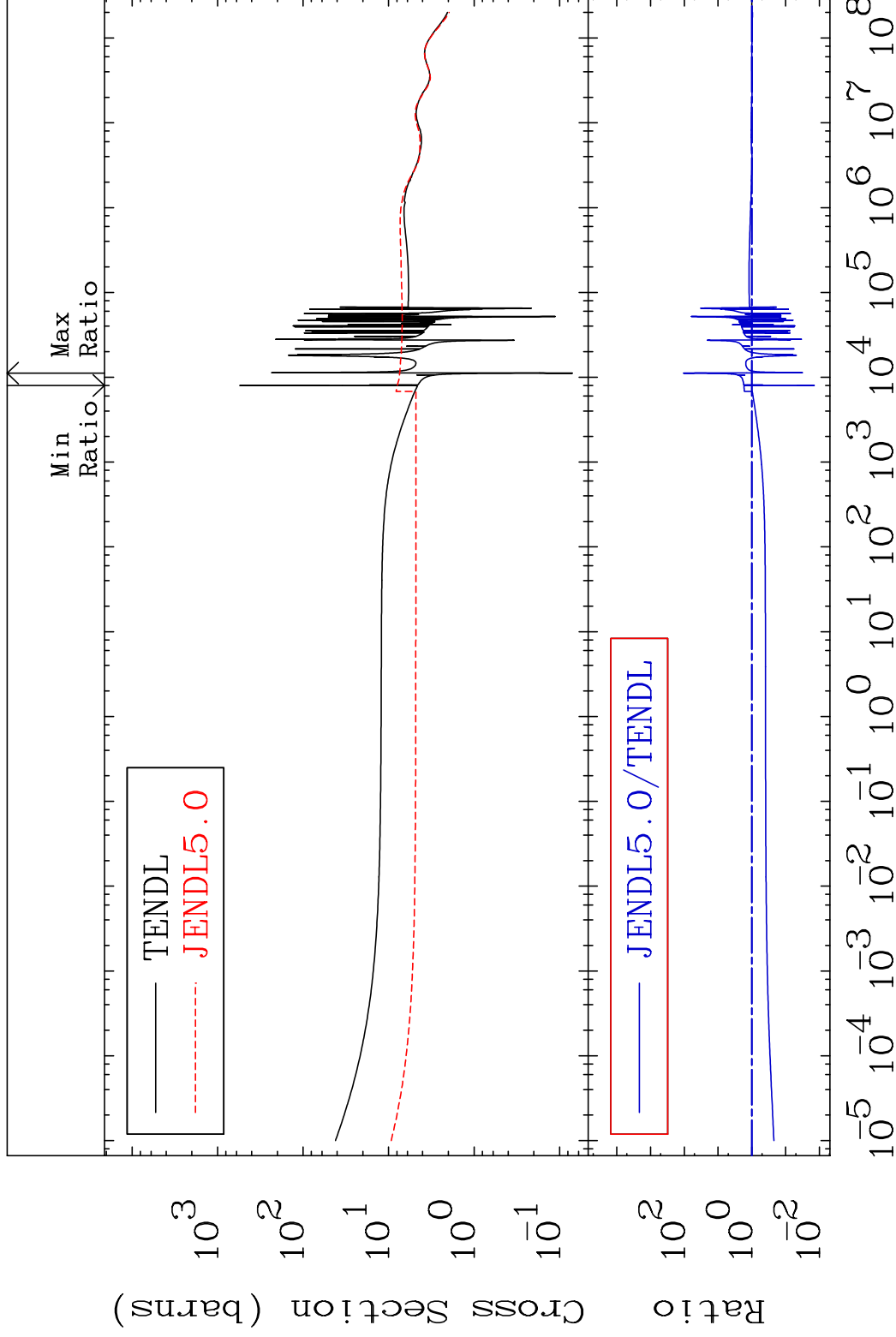
MAT 5067

Total

50-Sn-126

Cross Section

-98.57 To 9999. %



1

Incident Energy (eV)

50-Sn-126

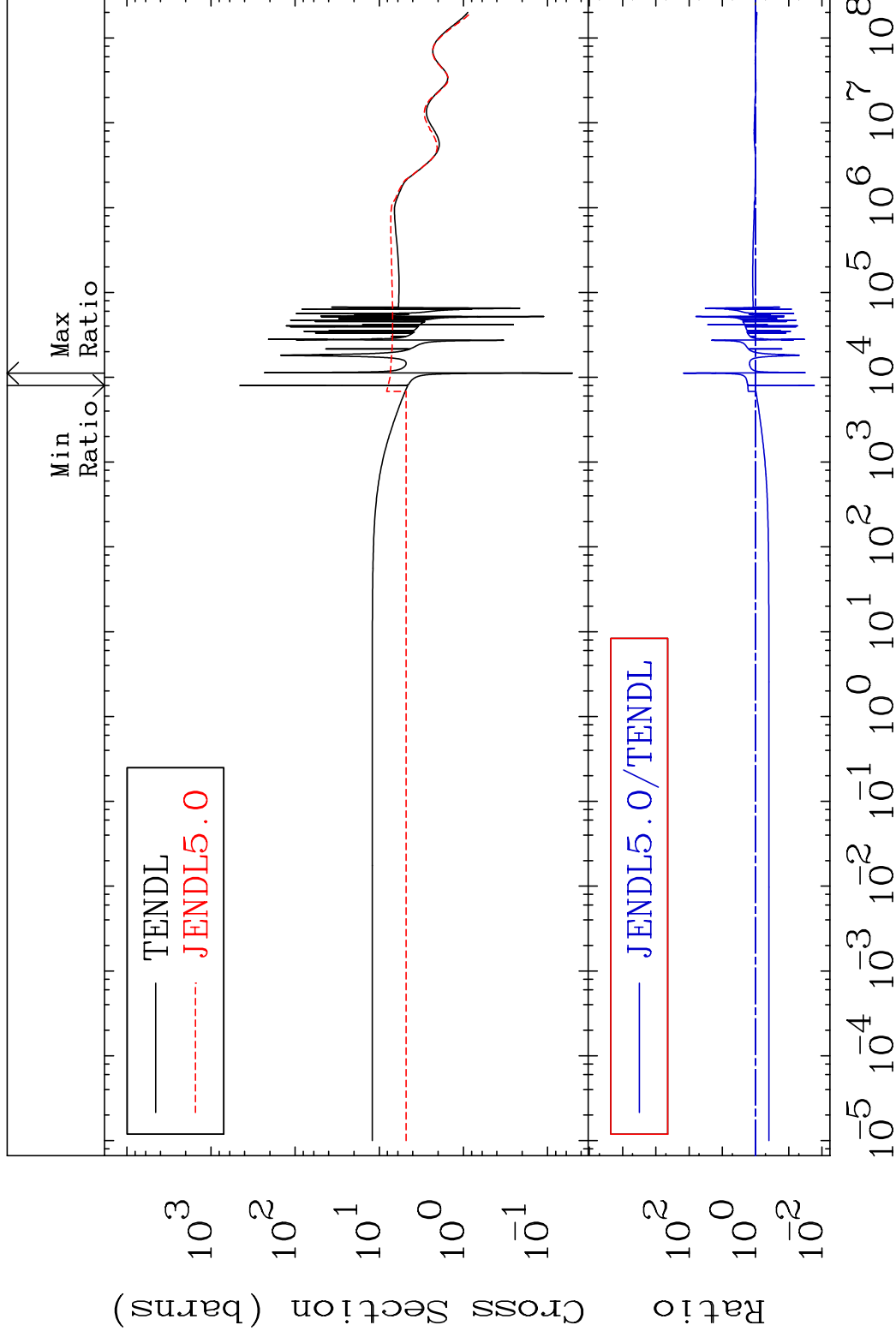
MAT 5067

Elastic

50-Sn-126

Cross Section

-98.28 To 9999. %



2

Incident Energy (eV)

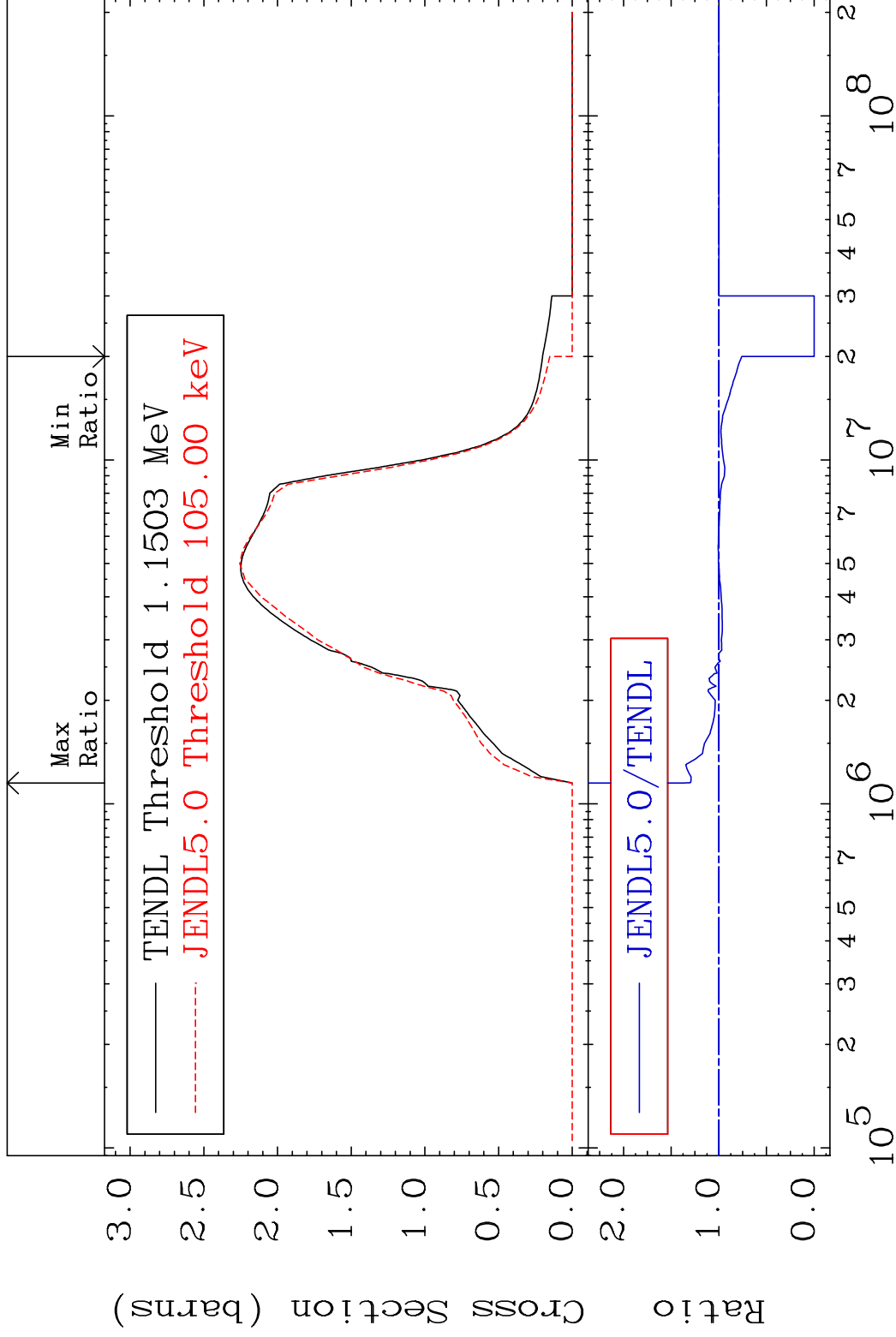
50-Sn-126

MAT 5067

Inelastic

50-Sn-126

Cross Section -100.0 To 36.89 %



3

Incident Energy (eV)

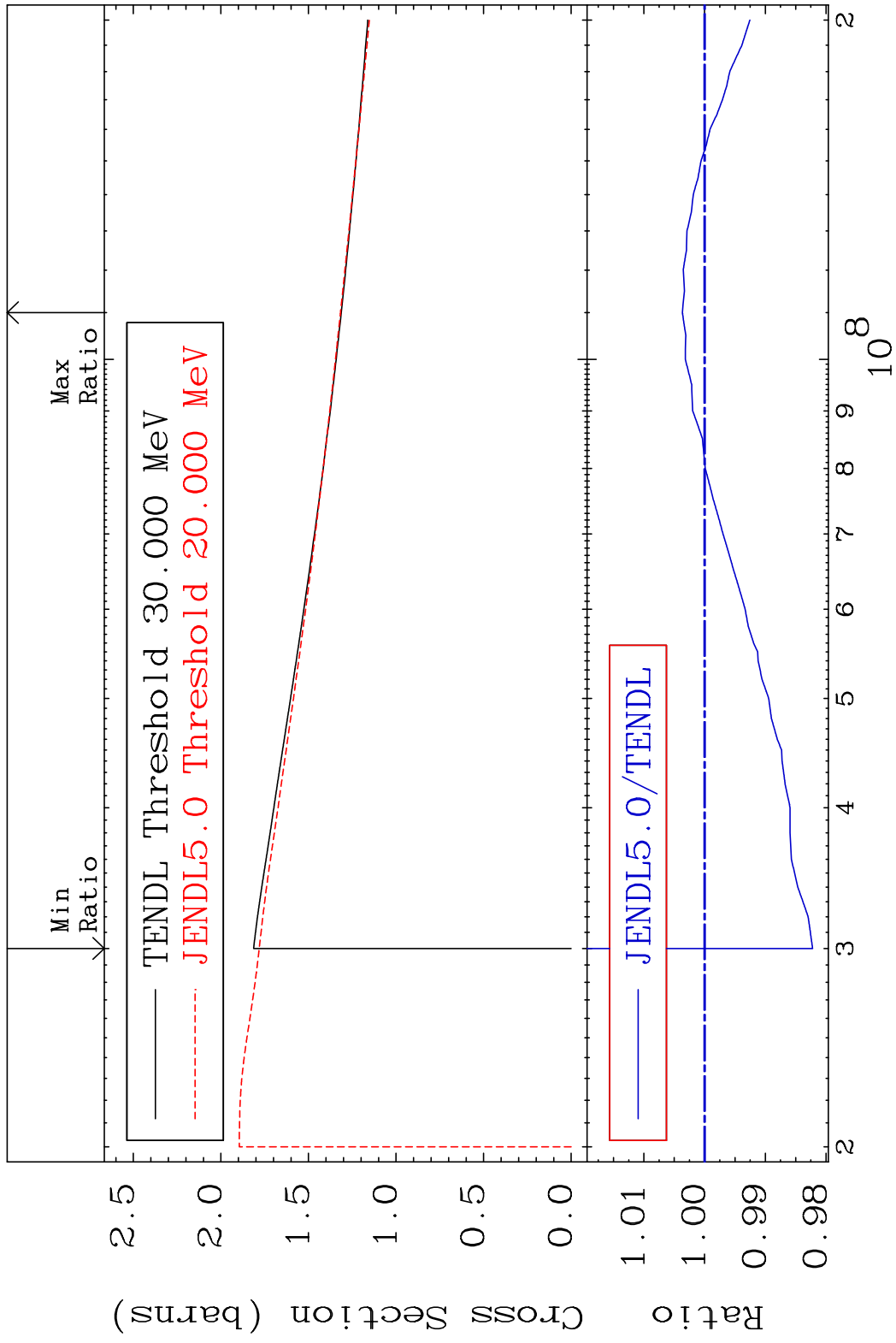
50-Sn-126

MAT 5067

(n, remainder)

50-Sn-126

Cross Section -1.778 To 0.366 %



4

Incident Energy (eV)

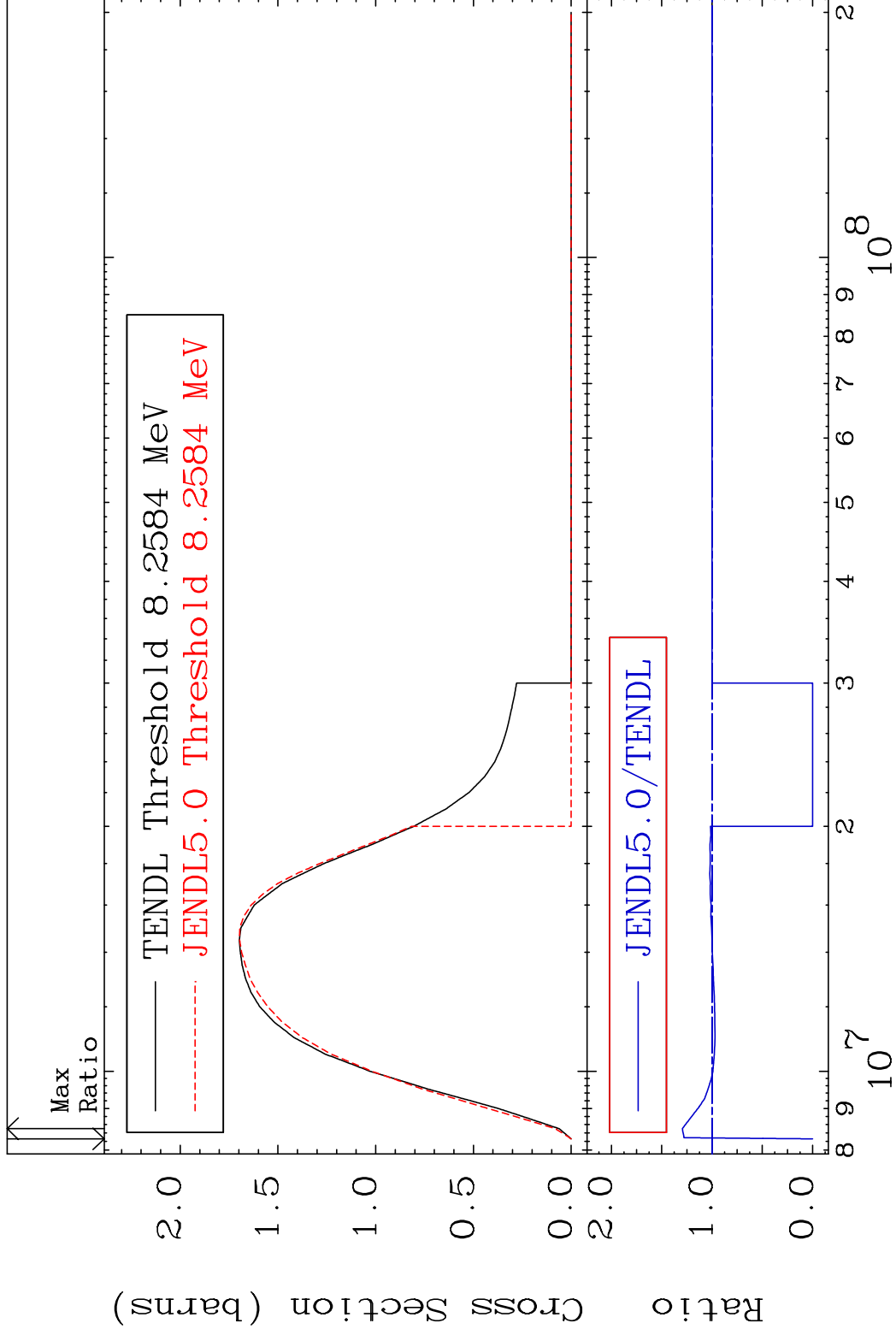
50-Sn-126

MAT 5067

(n,2n)

50-Sn-126

Cross Section -100.0 To 29.48 %



5

Incident Energy (eV)

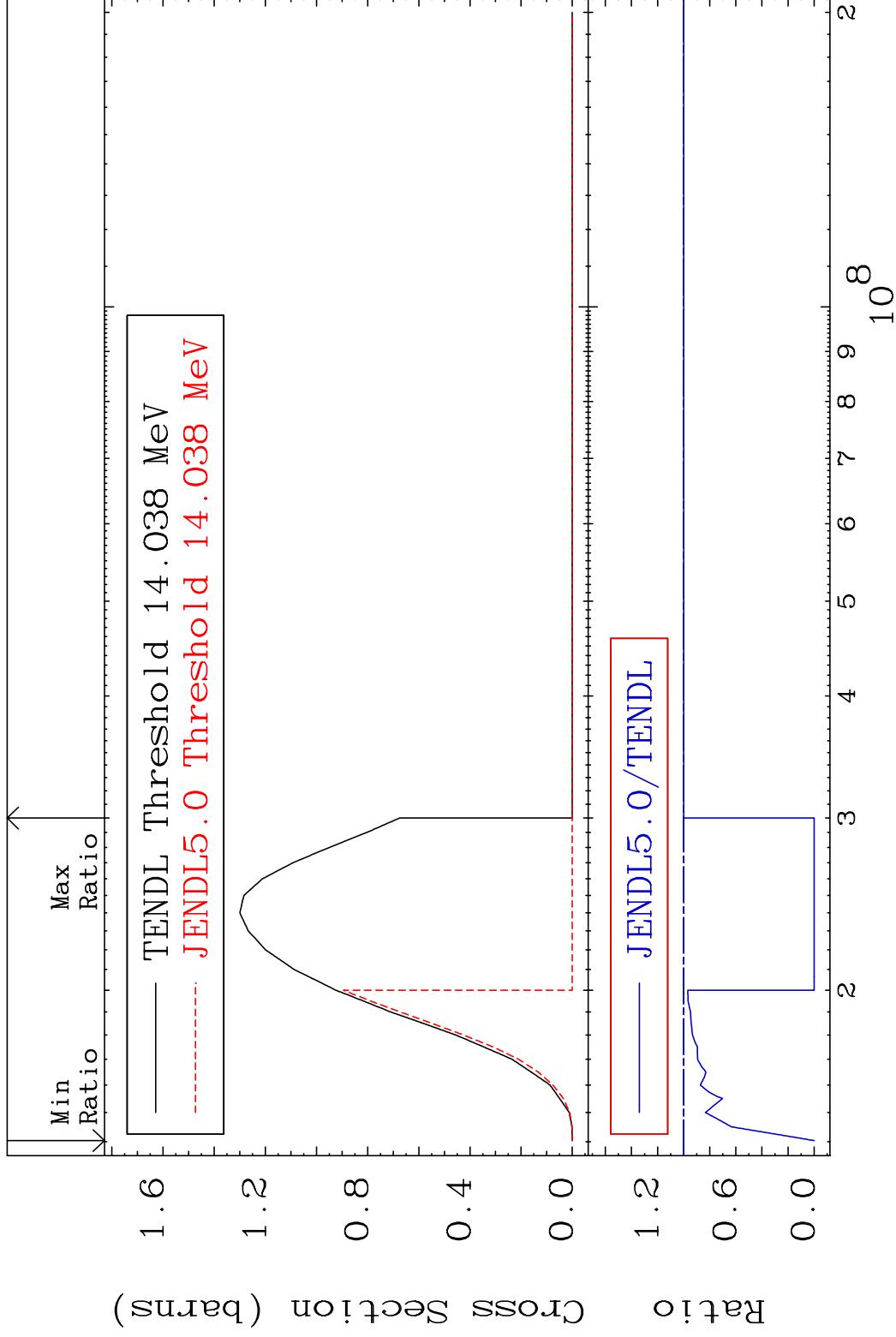
50-Sn-126

MAT 5067

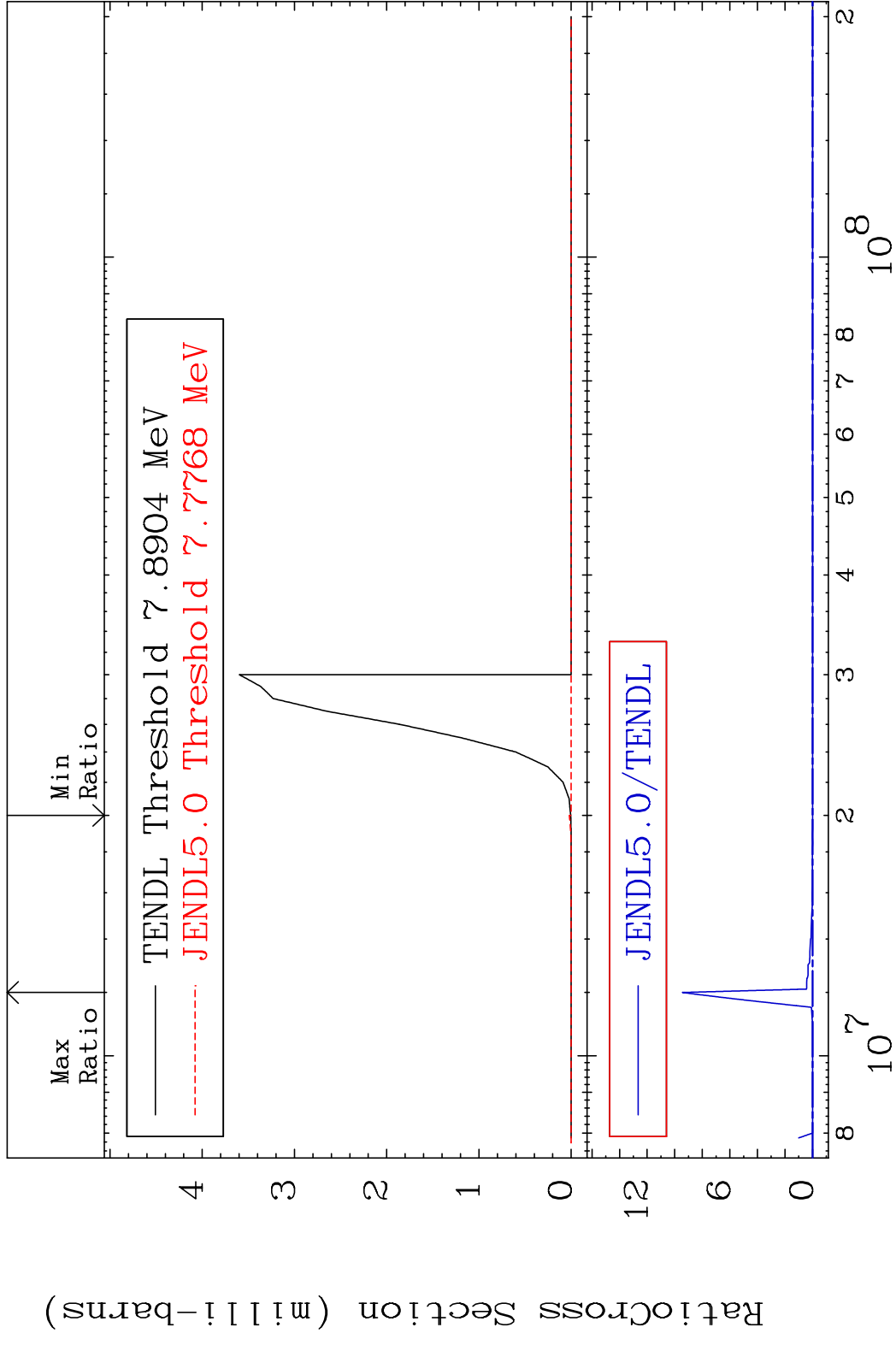
(n,3n)

50-Sn-126

Cross Section -100.0 To 0.000 %



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



7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 50-Sn-126

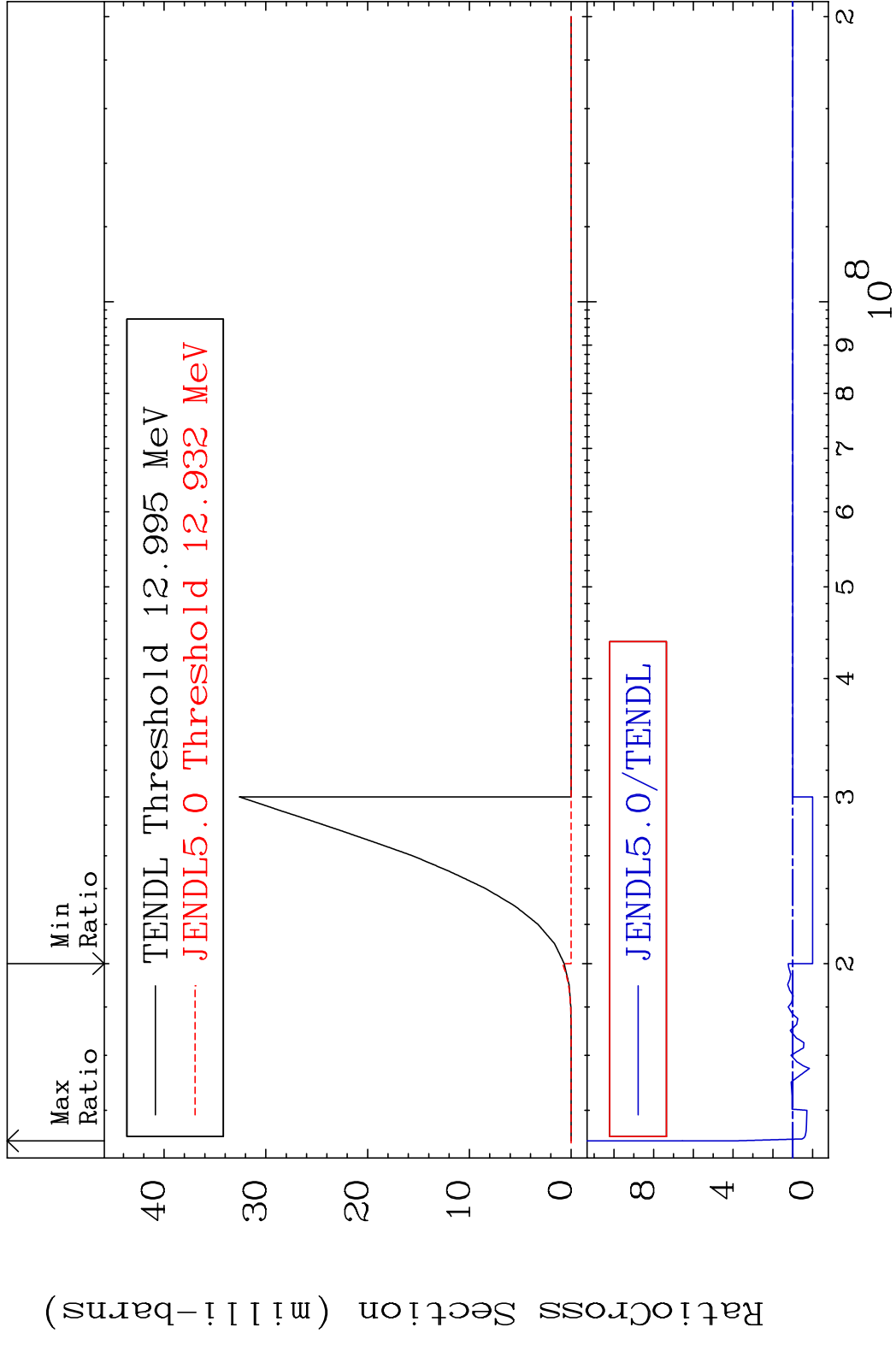


MAT 5067

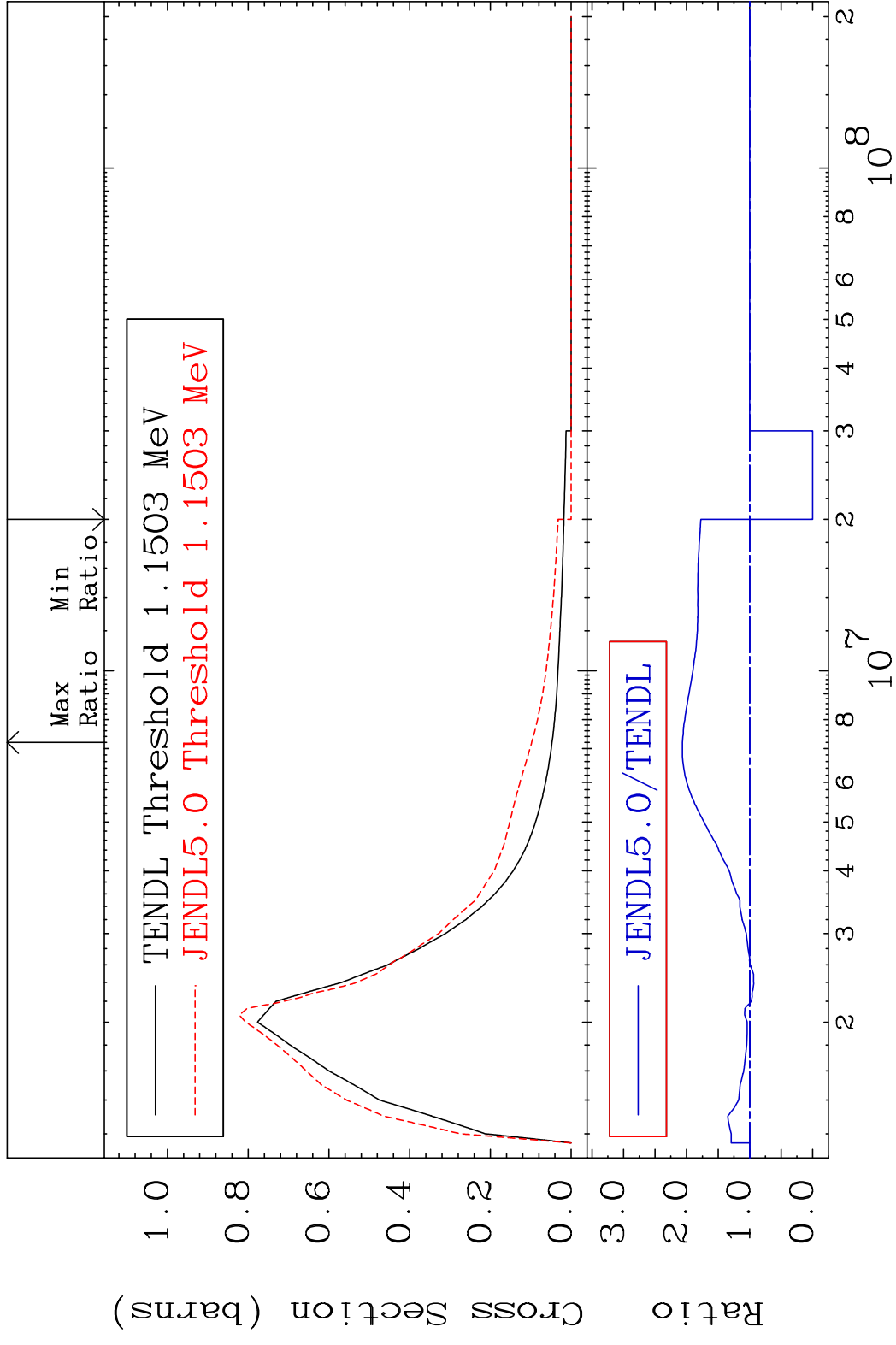
(n, n') p

50-Sn-126

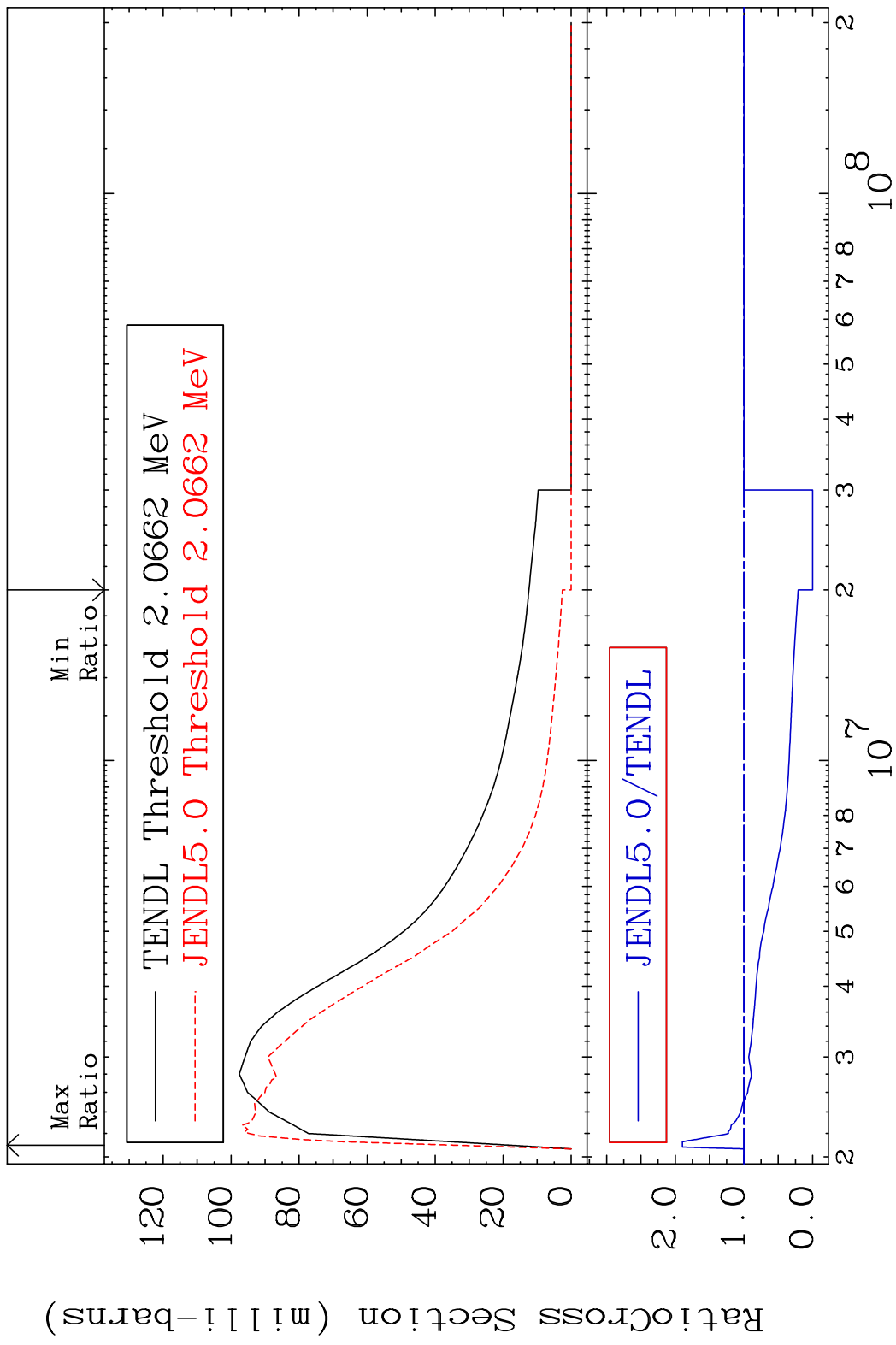
Cross Section -100.0 To 555.5 %



MAT 5067 MT= 51 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 106.7 %

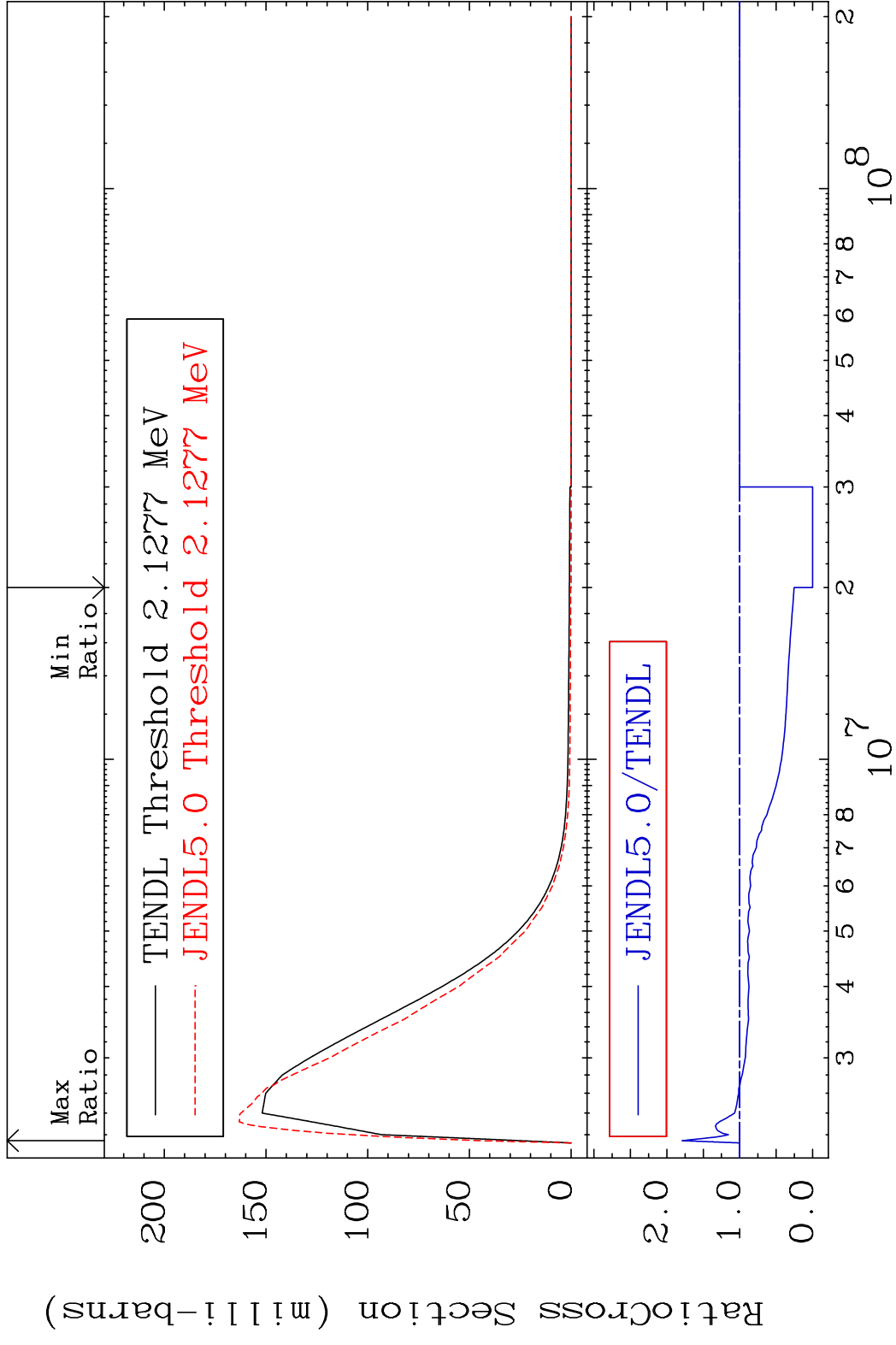


MAT 5067 MT= 52 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 89.65 %

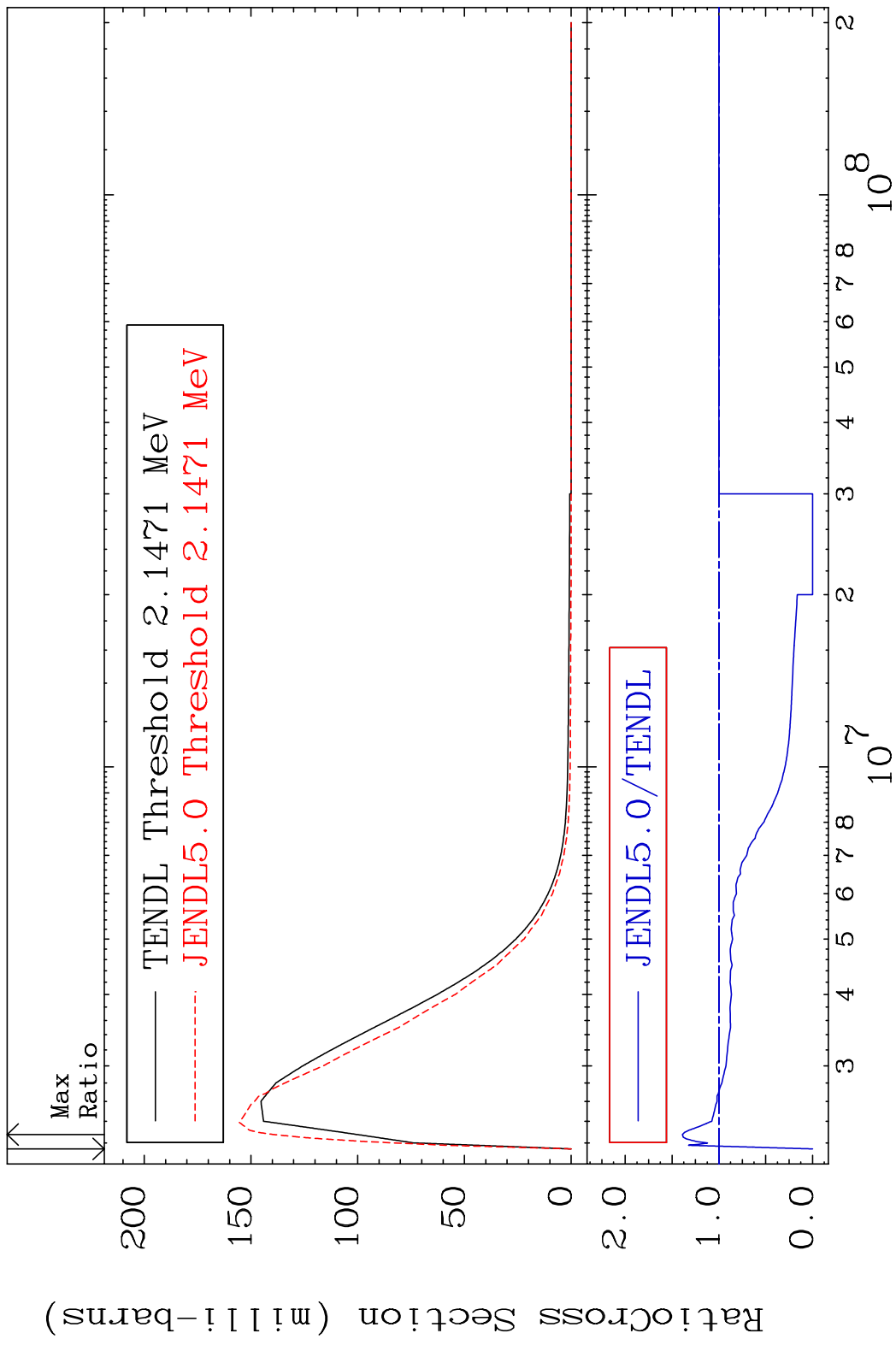


10 Incident Energy (eV) 50-Sn-126

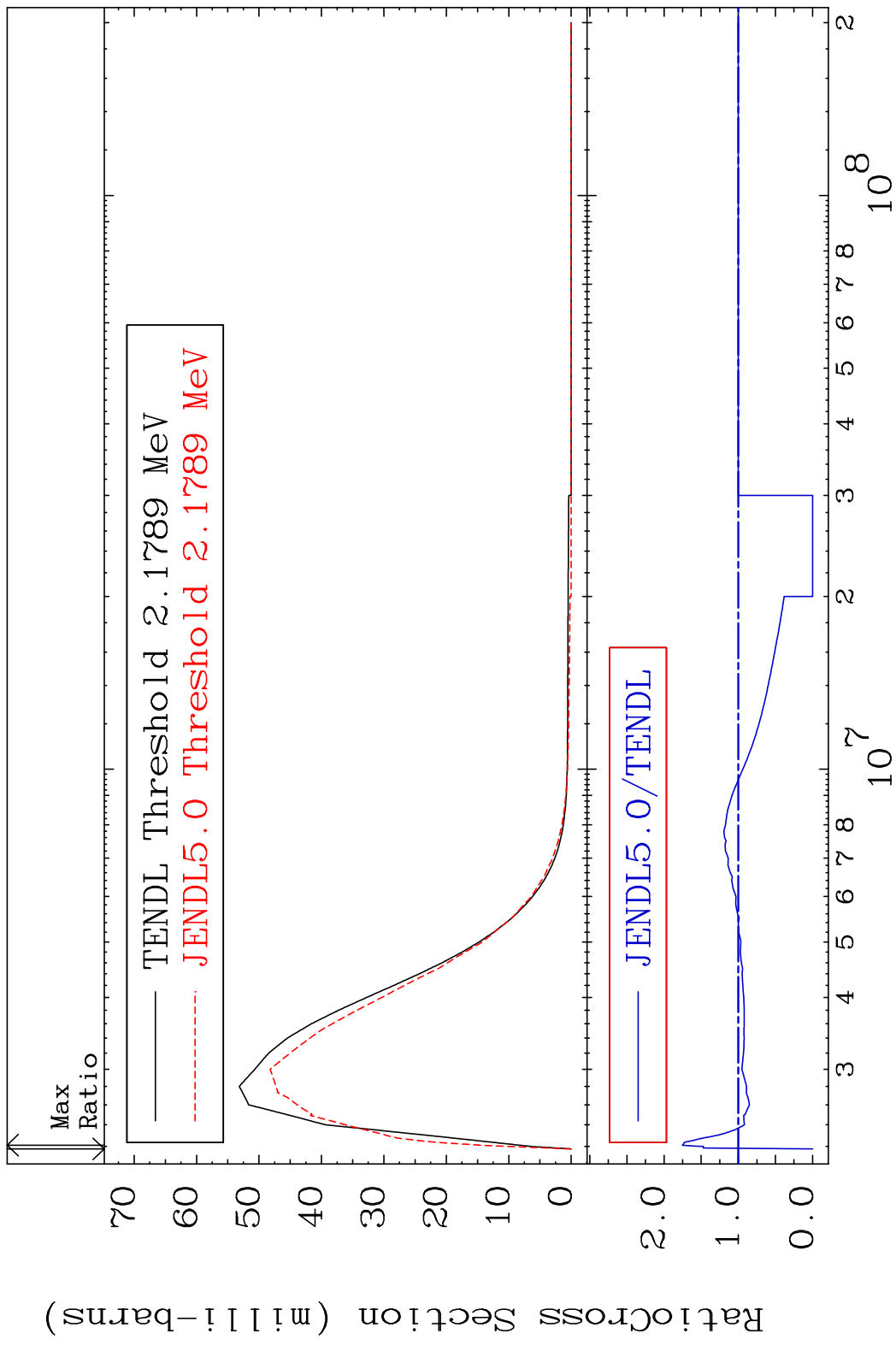
MAT 5067 MT= 53 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 78.74 %



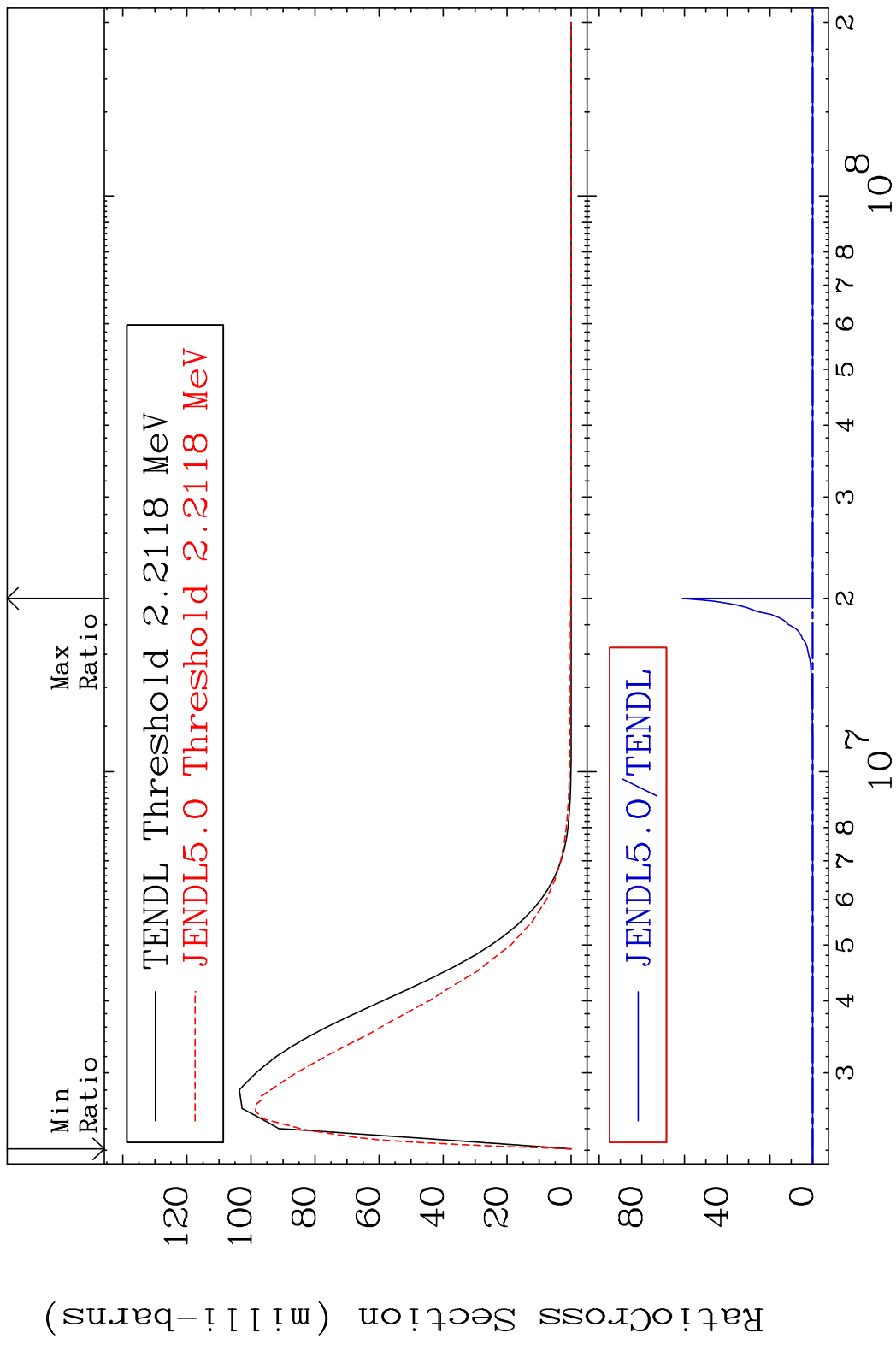
MAT 5067 MT= 54 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 39.02 %



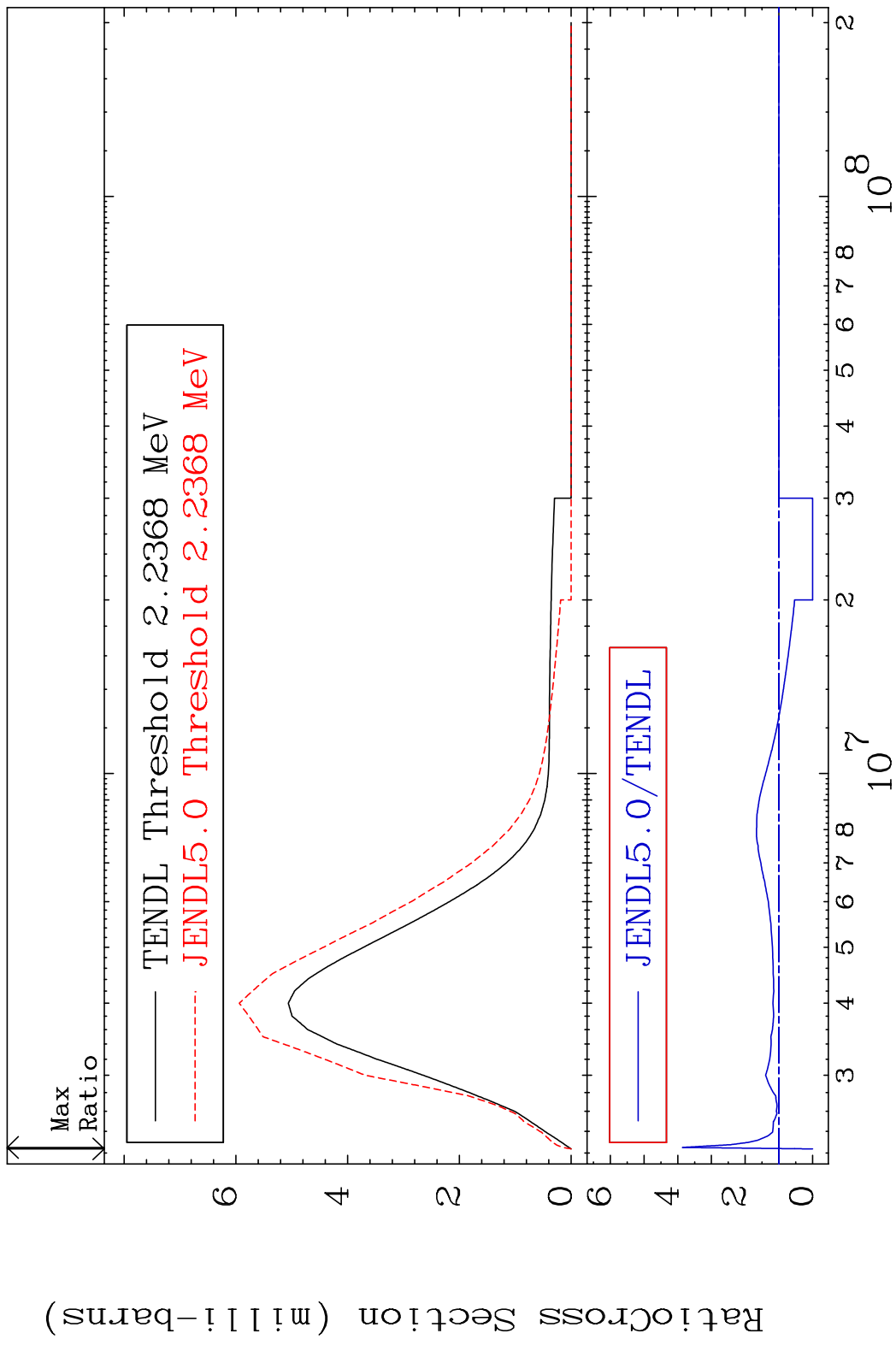
MAT 5067 MT= 55 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 75.35 %



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

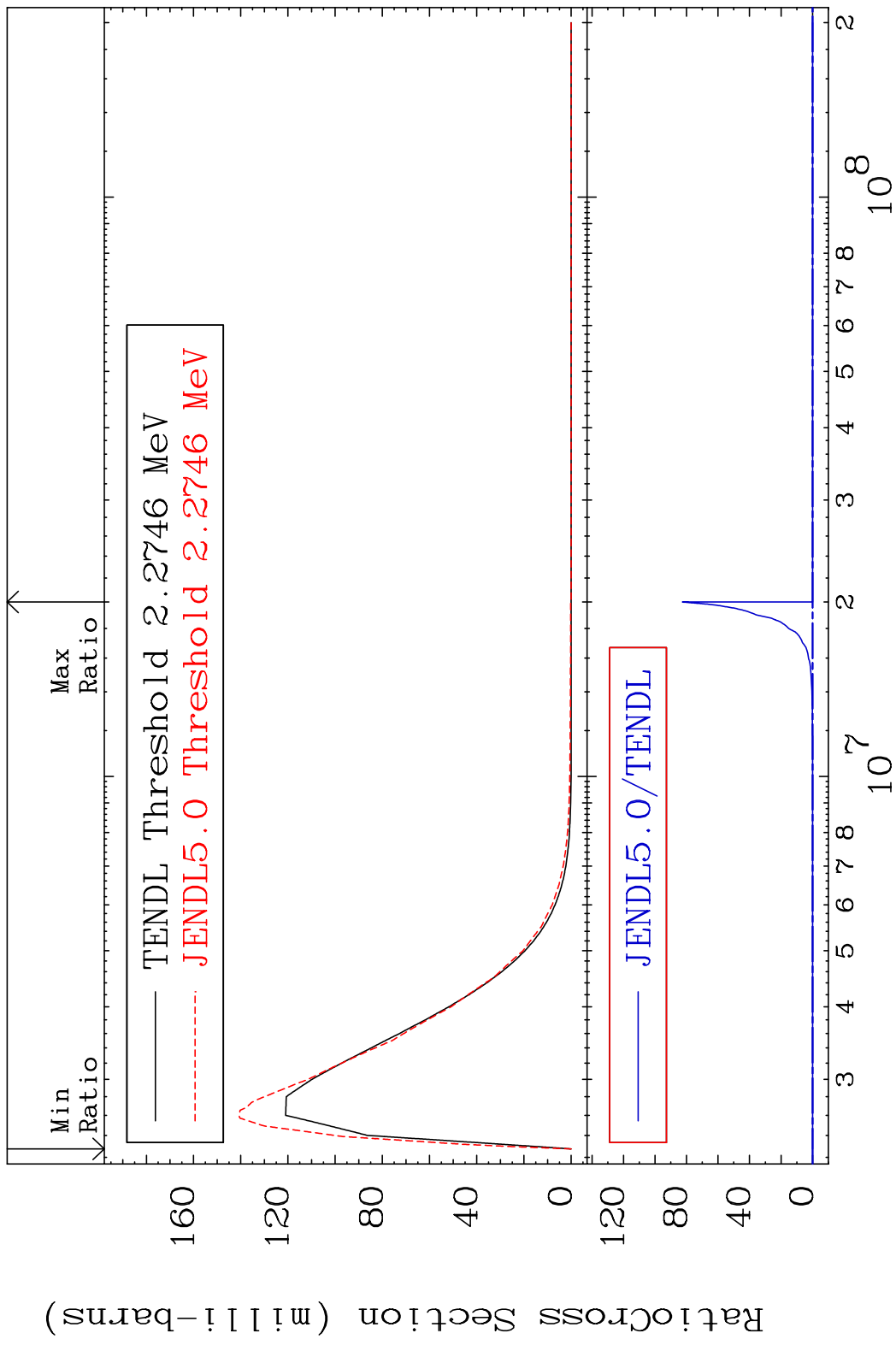


MAT 5067 MT= 57 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 286.4 %

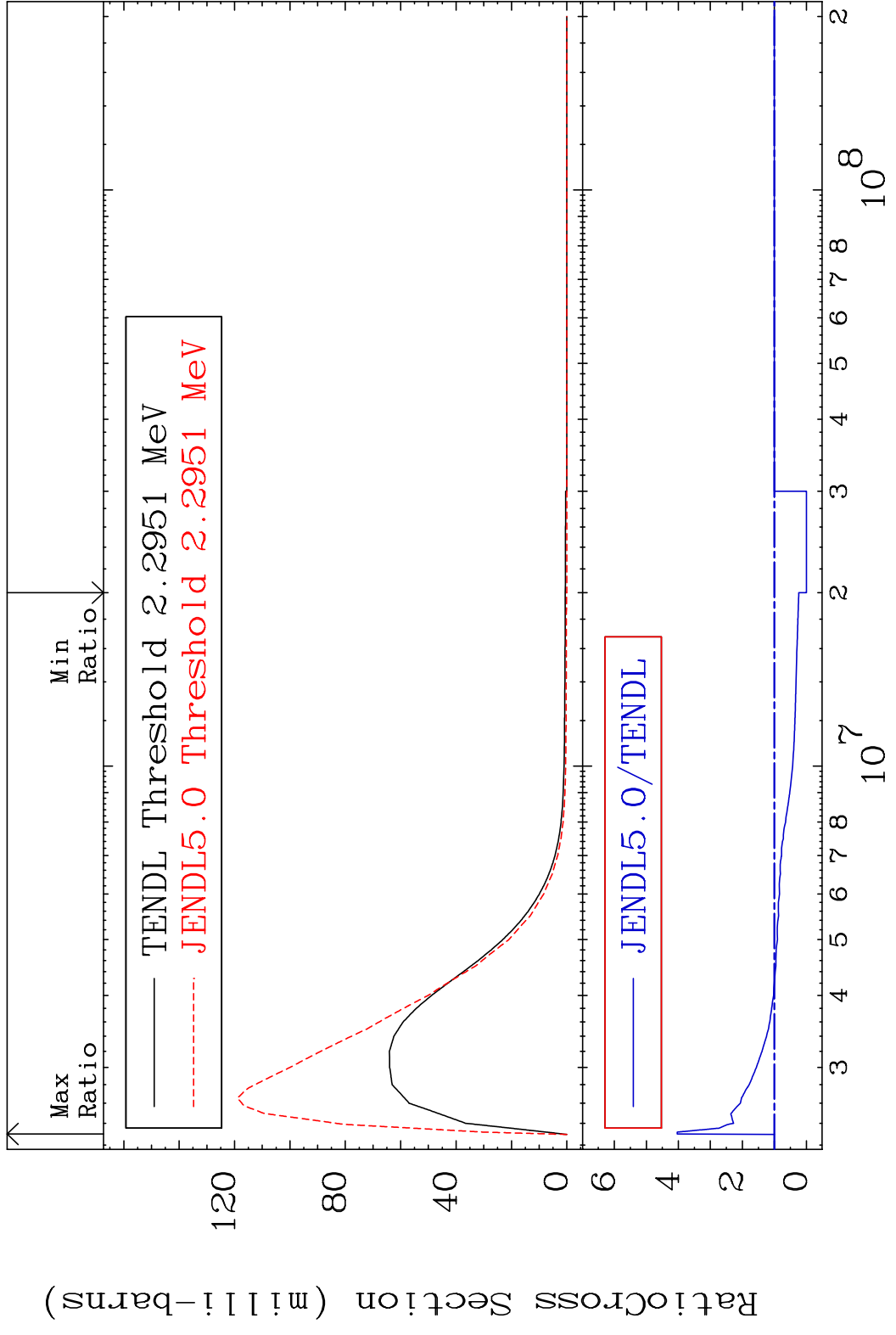




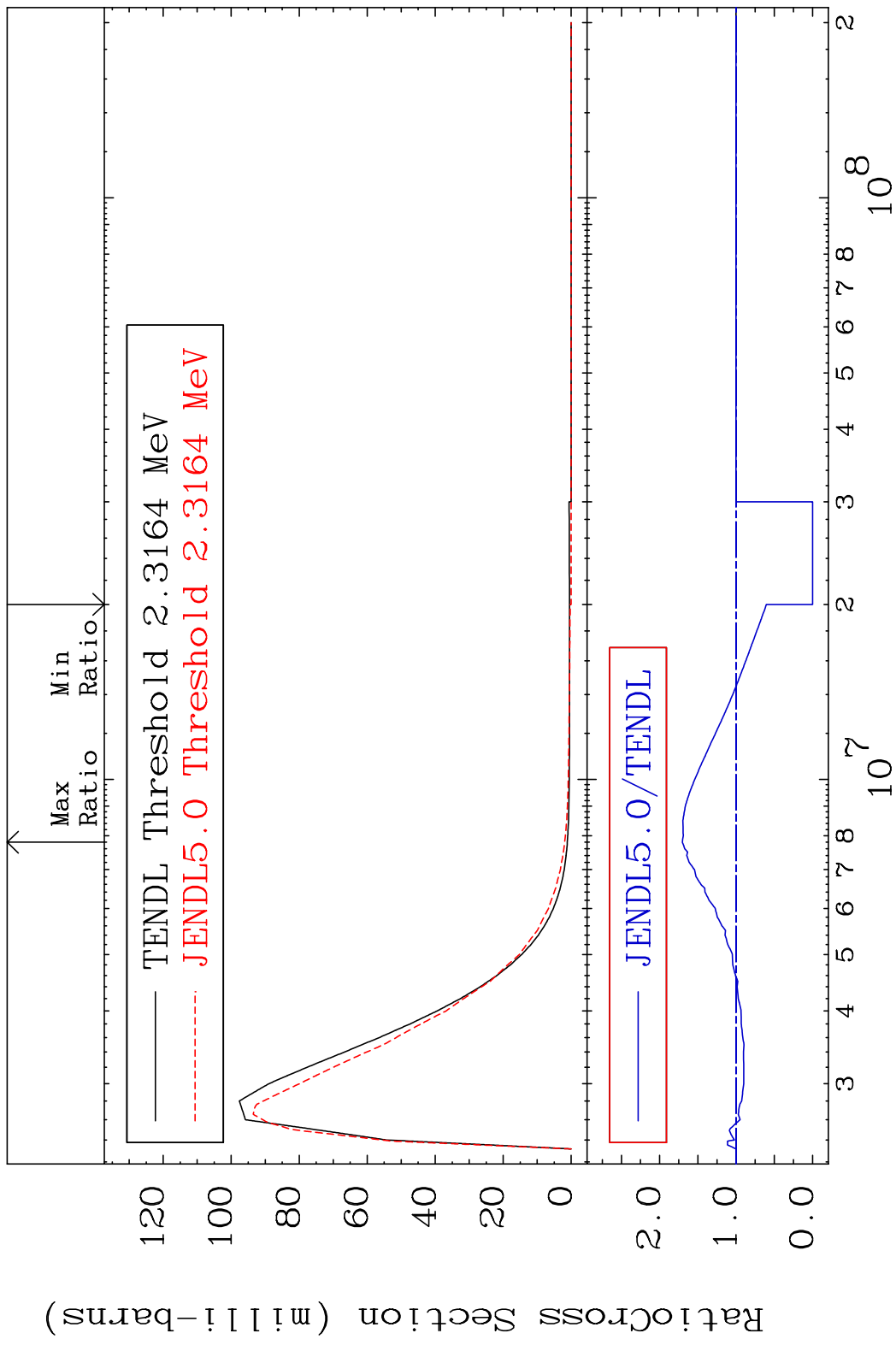
MAT 5067 MT= 58 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



MAT 5067 MT= 59 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 303.7 %

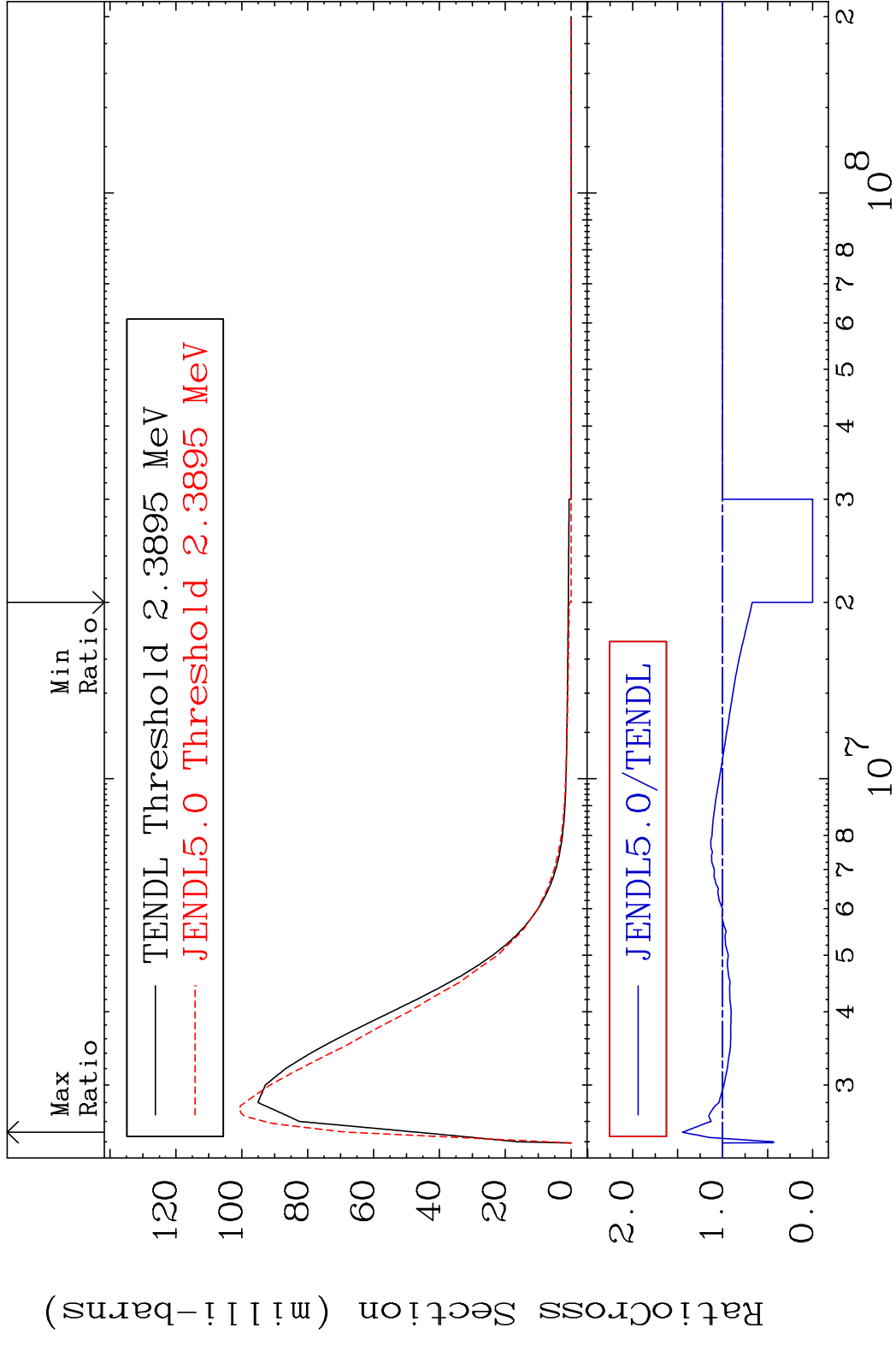


MAT 5067 MT= 60 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 70.27 %

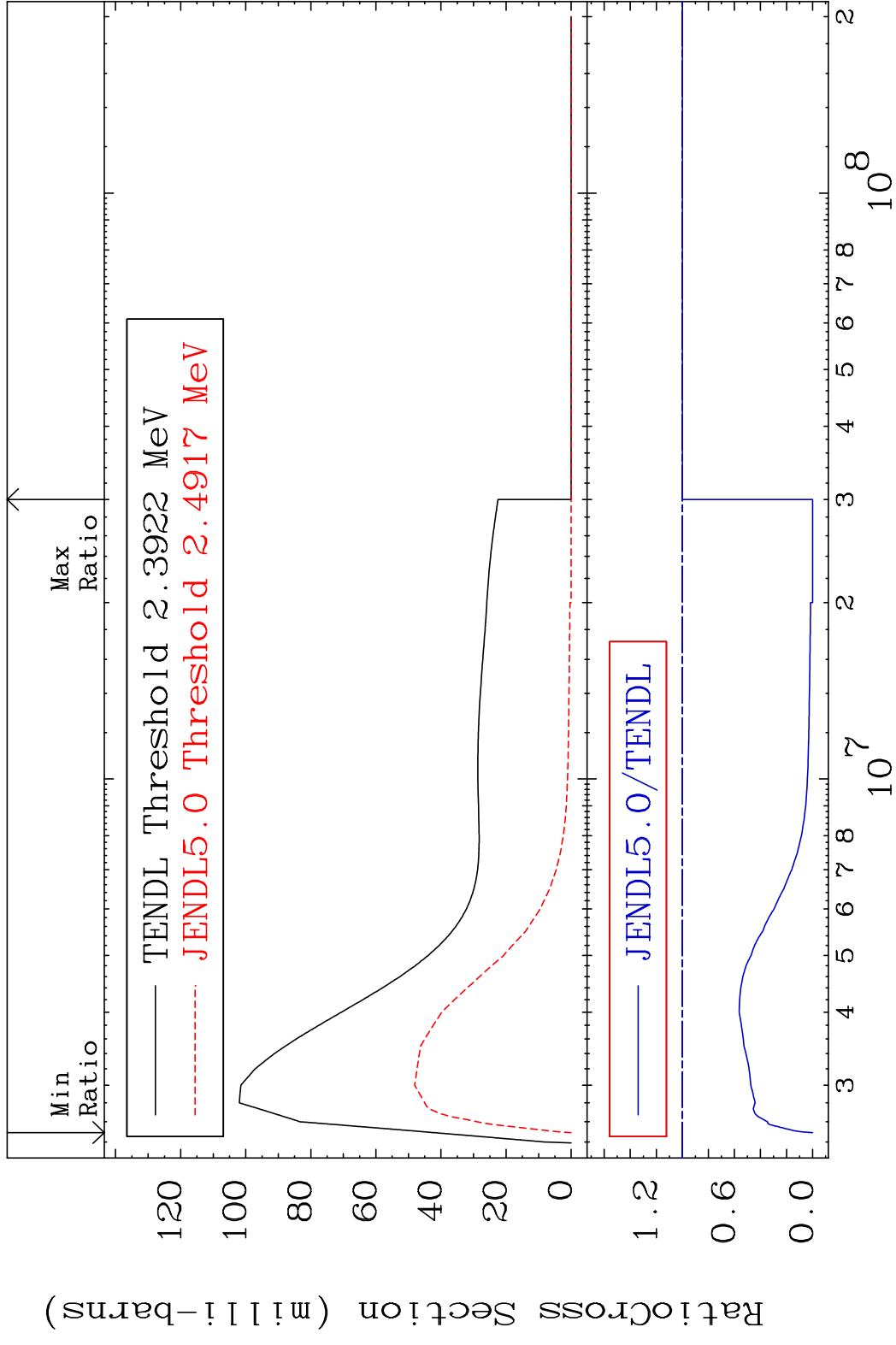


18 Incident Energy (eV) 50-Sn-126

MAT 5067 MT= 61 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 44.76 %

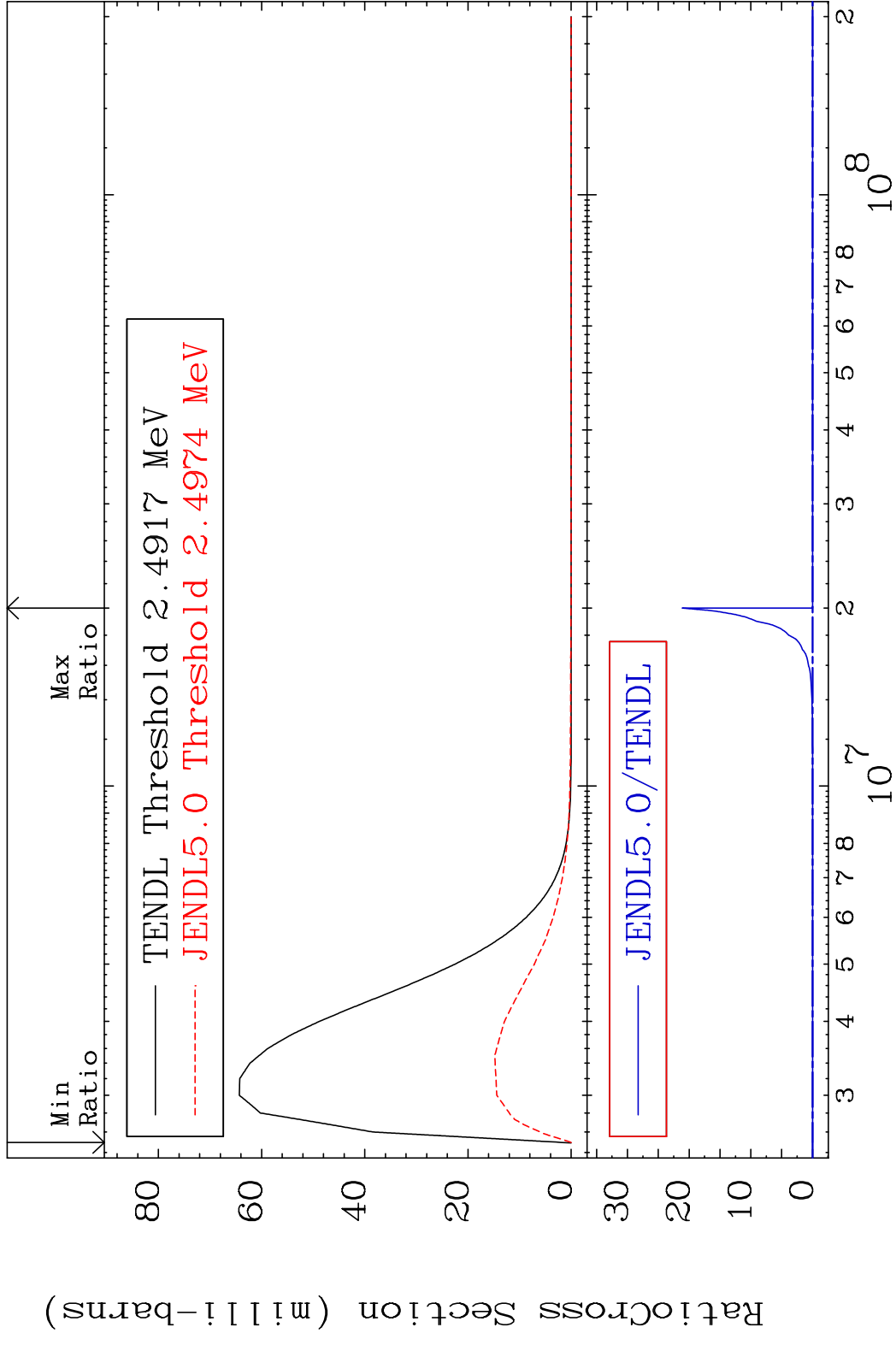


MAT 5067 MT= 62 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %

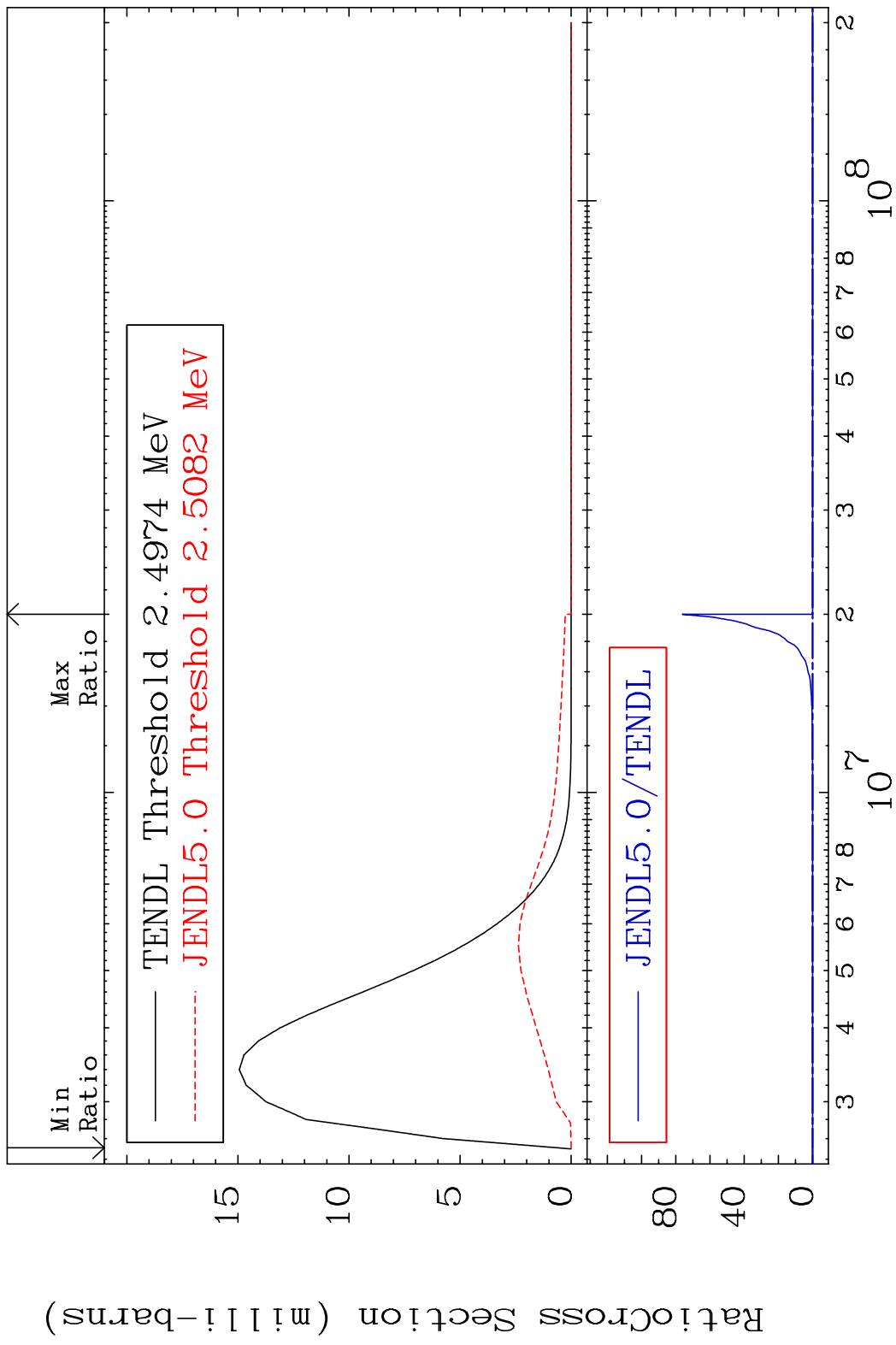


20 50-Sn-126

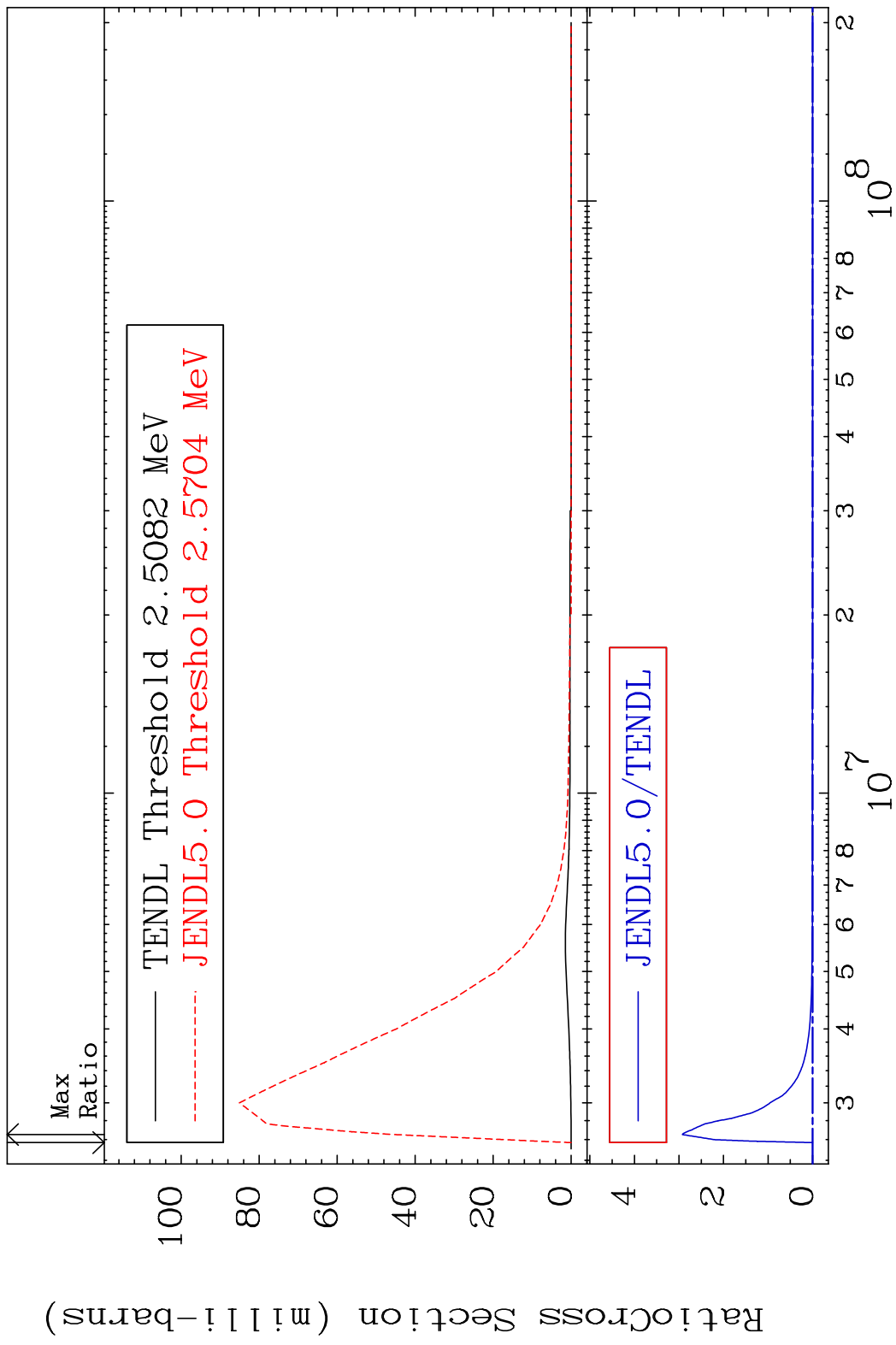
MAT 5067 MT= 63 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



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. %



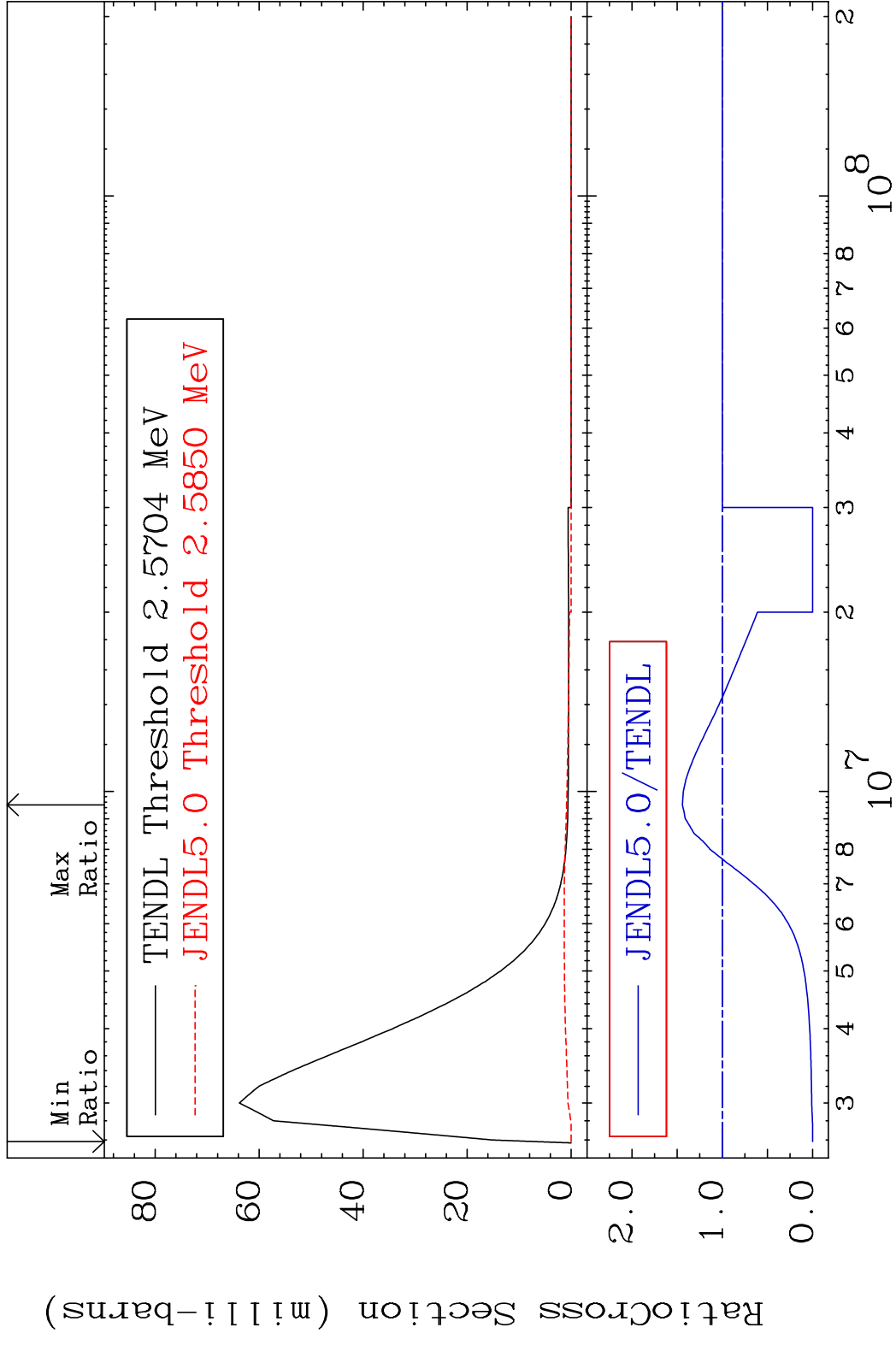


MAT 5067

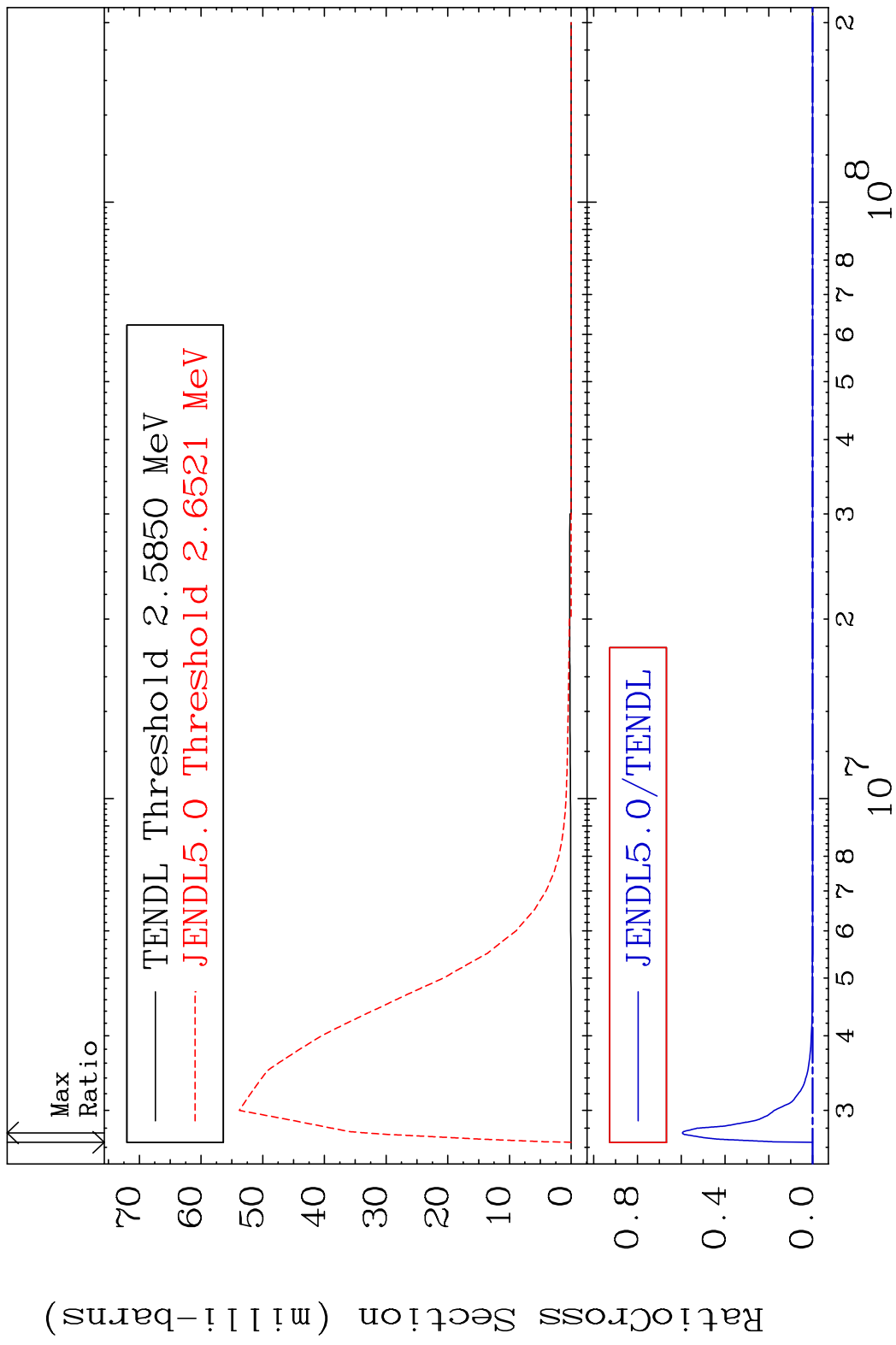
MT= 66 (n,n') Level

50-Sn-126

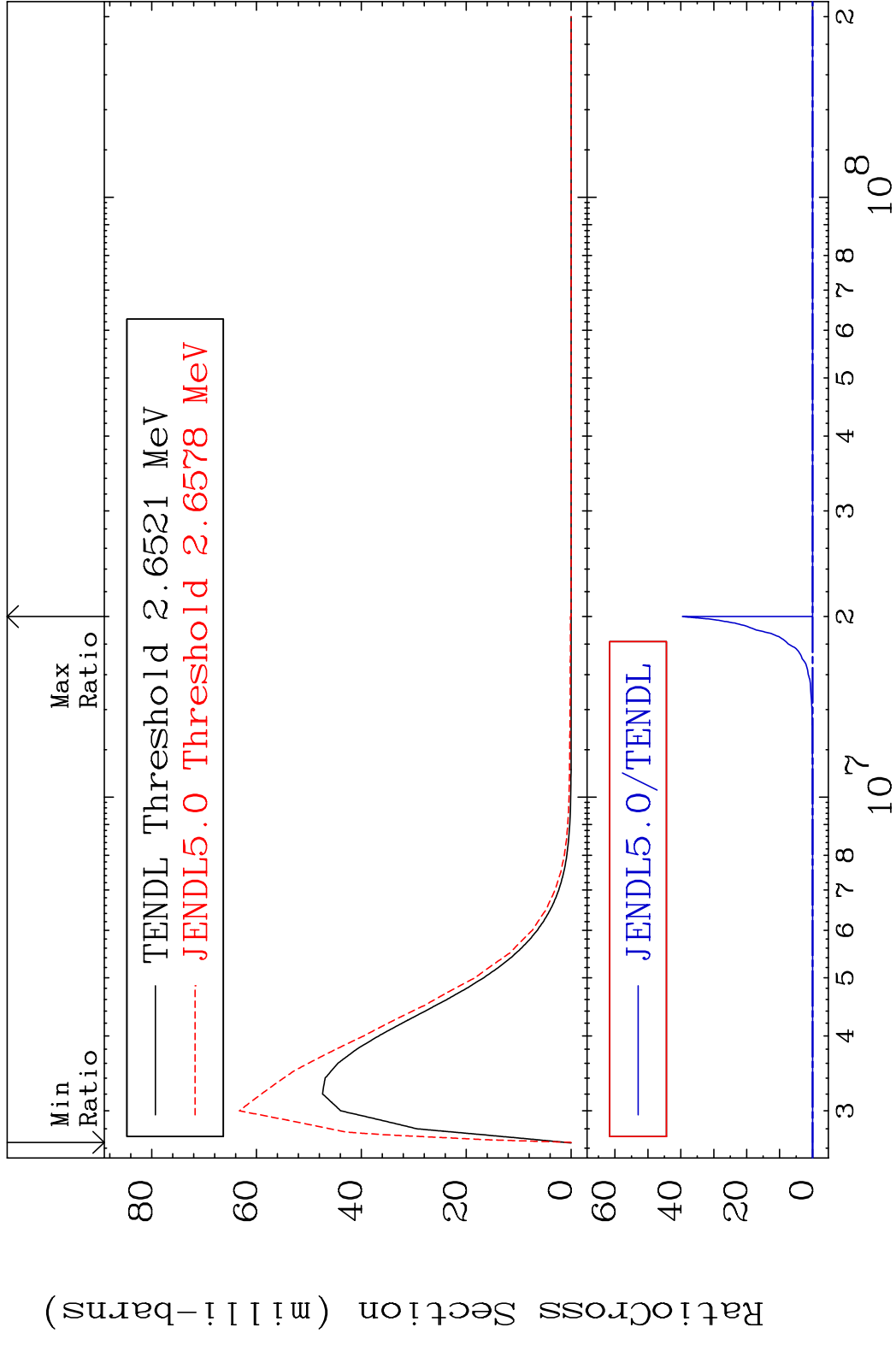
Cross Section -100.0 To 44.17 %



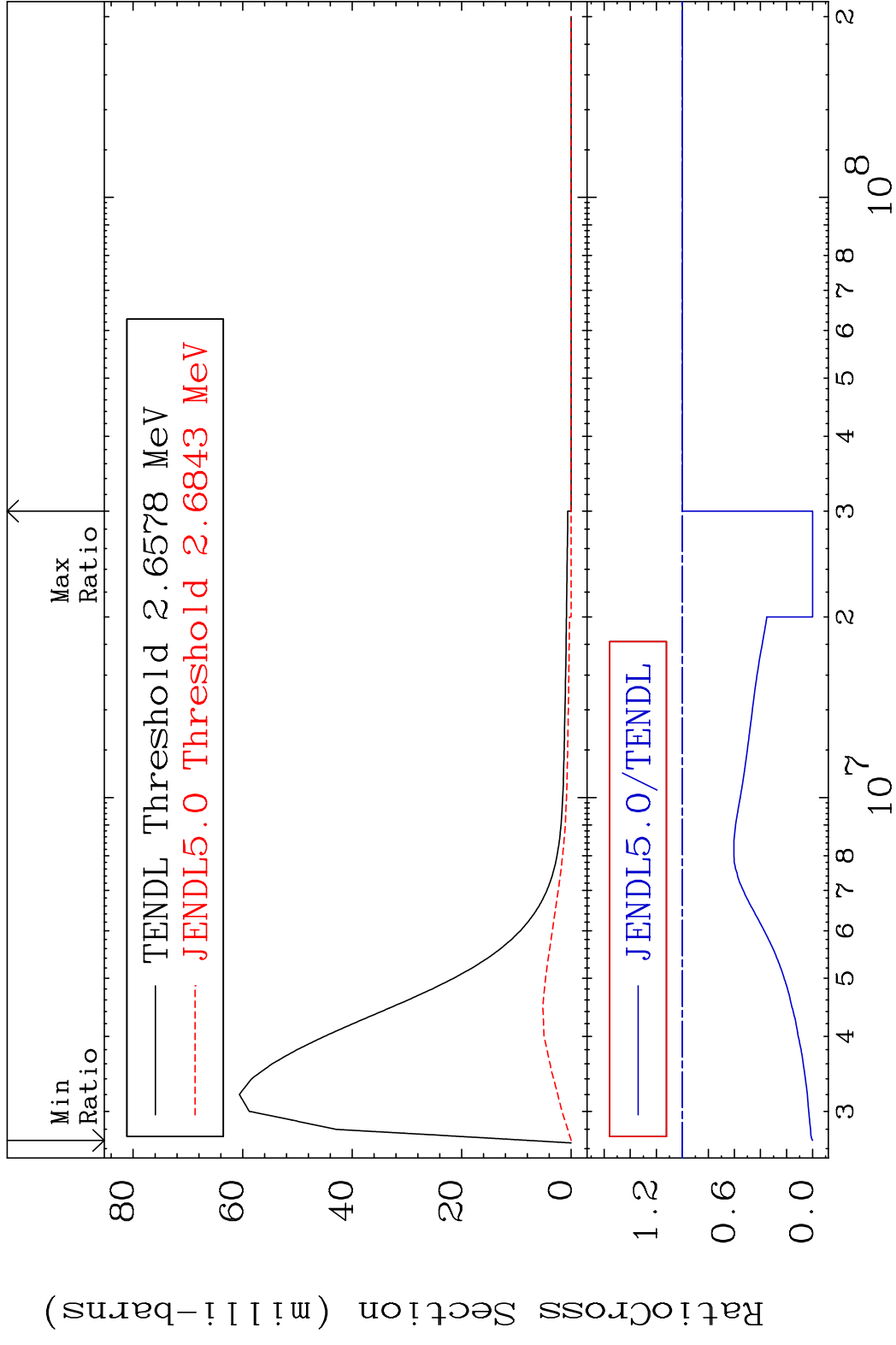
MAT 5067 MT= 67 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



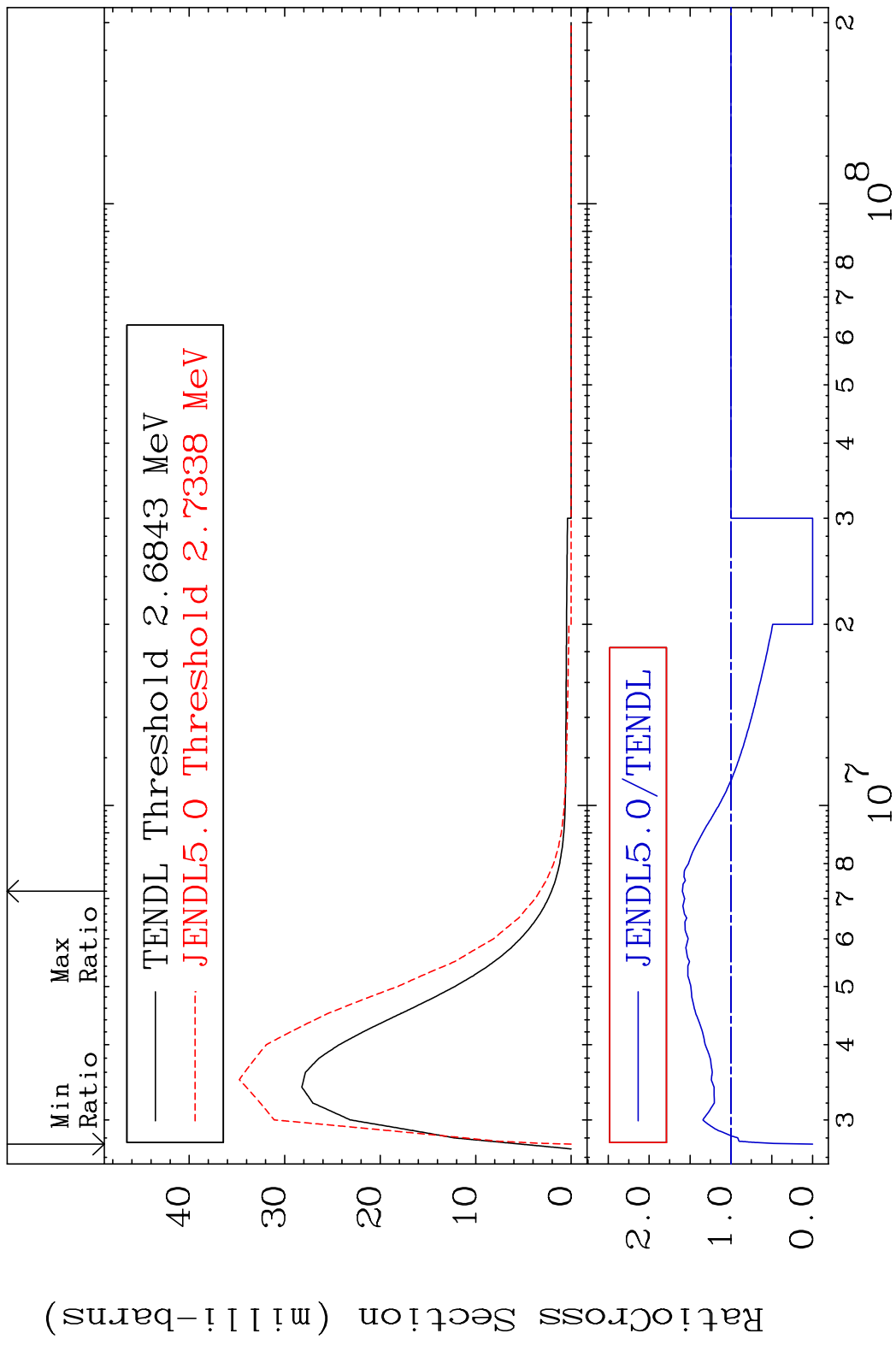
MAT 5067 MT= 68 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 9999. %



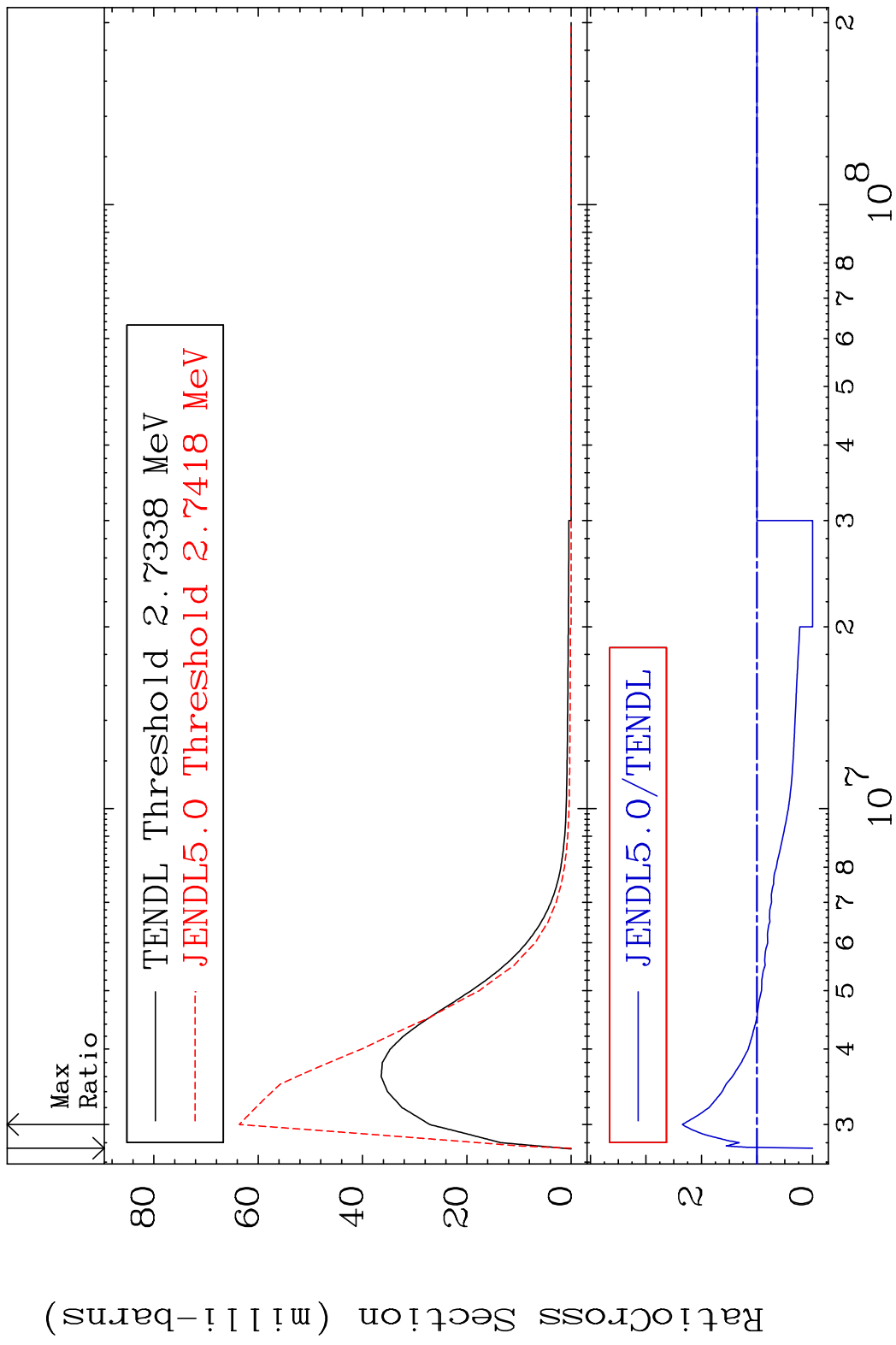
MAT 5067 MT= 69 (n, n') Level 50-Sn-126  
 Cross Section -100.0 To 0.000 %



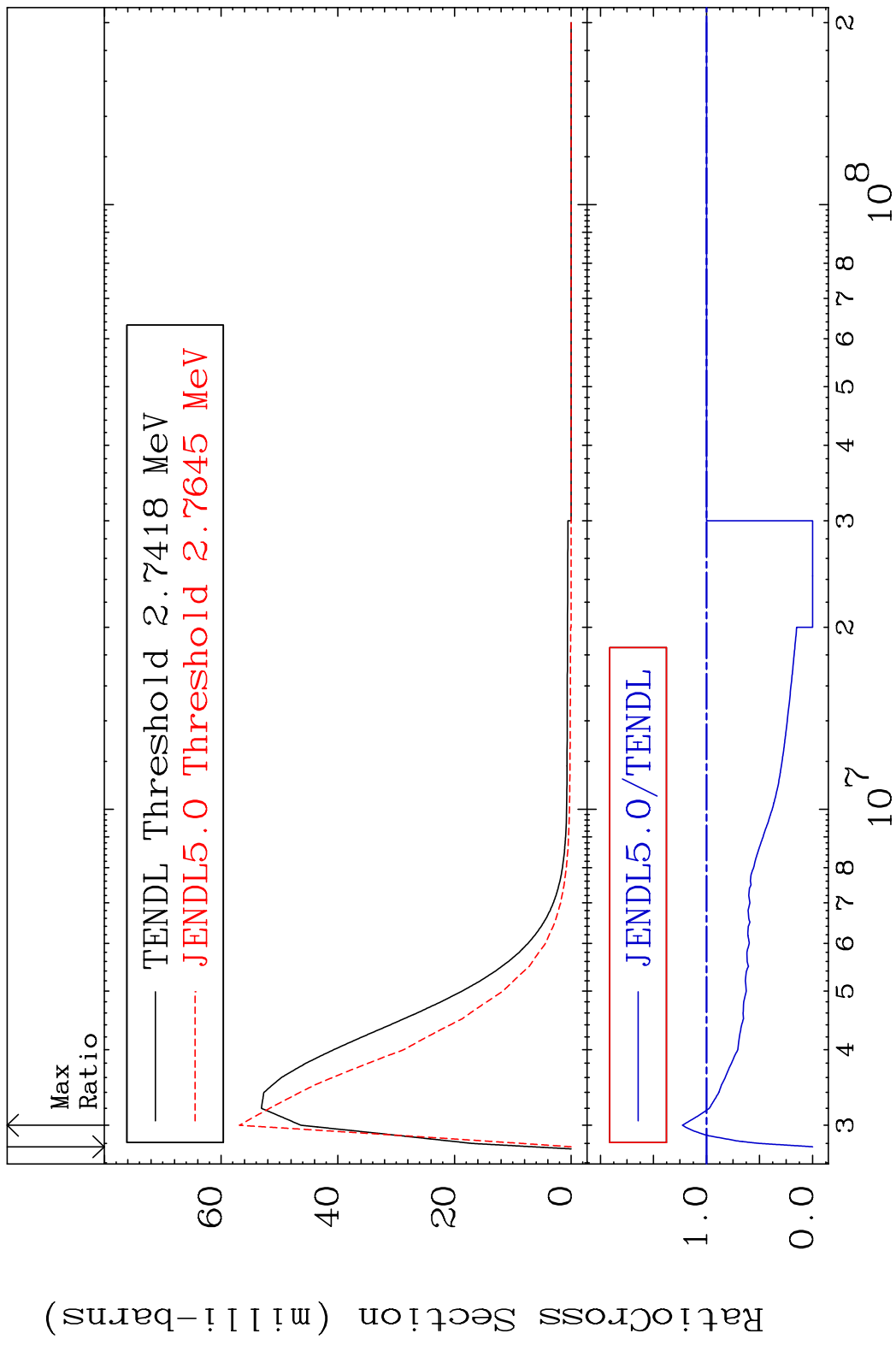
MAT 5067 MT= 70 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 59.41 %



MAT 5067 MT= 71 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 134.5 %



MAT 5067 MT= 72 (n,n') Level 50-Sn-126  
 Cross Section -100.0 To 22.77 %



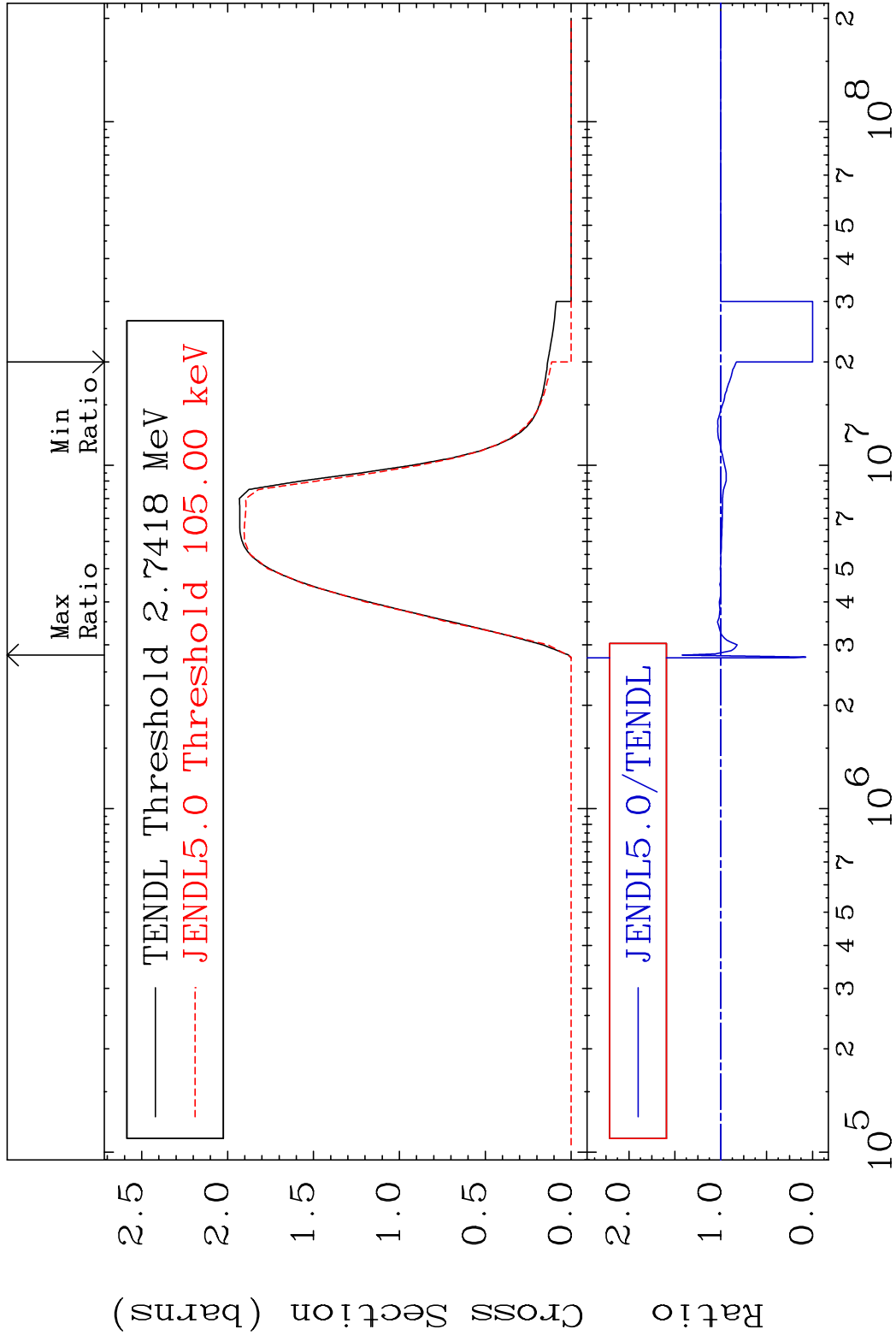
30 Incident Energy (eV) 50-Sn-126

MAT 5067

(n, n') Continuum

50-Sn-126

Cross Section -100.0 To 41.81 %



31

Incident Energy (eV)

50-Sn-126

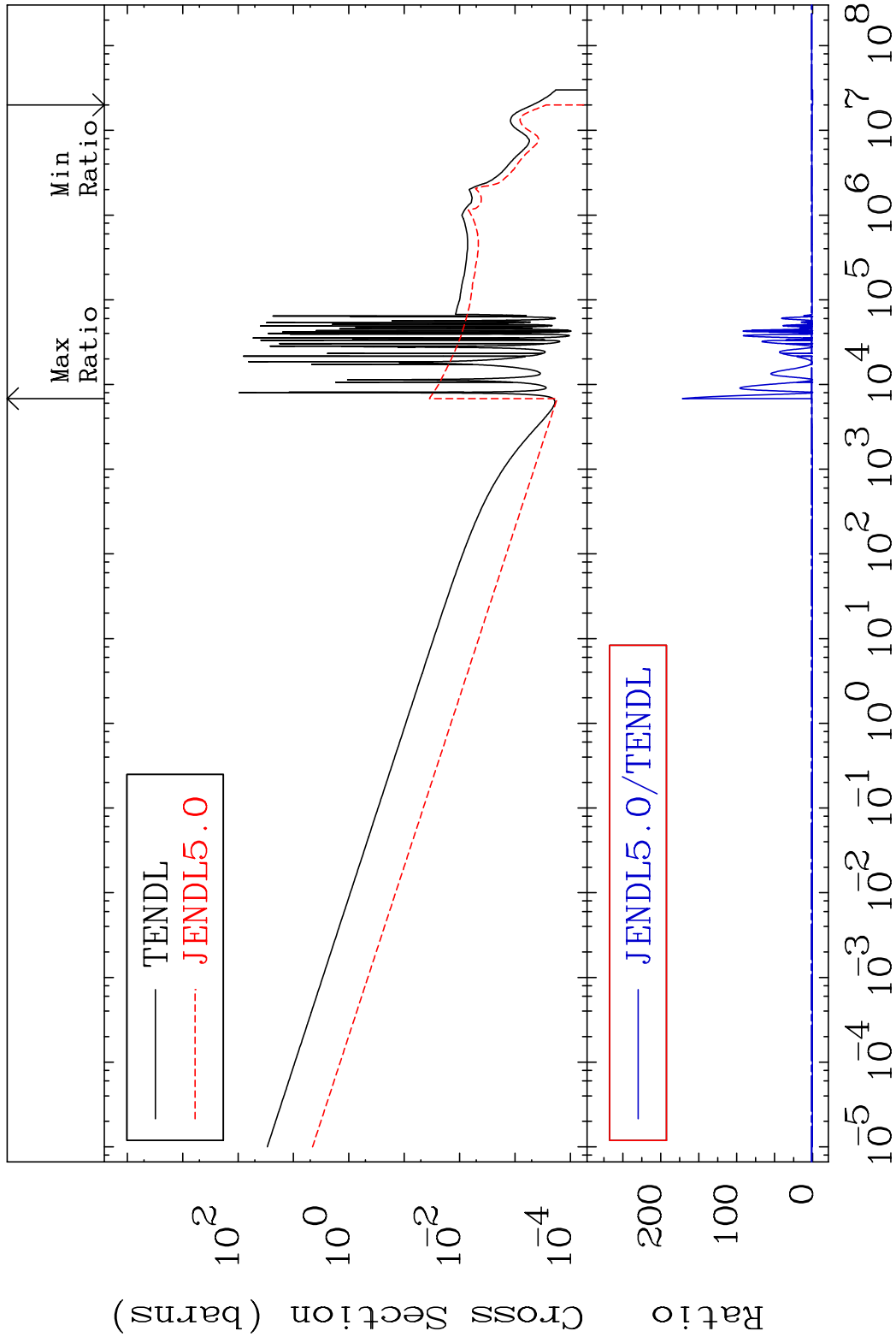


MAT 5067

(n,  $\gamma$ )

50-Sn-126

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

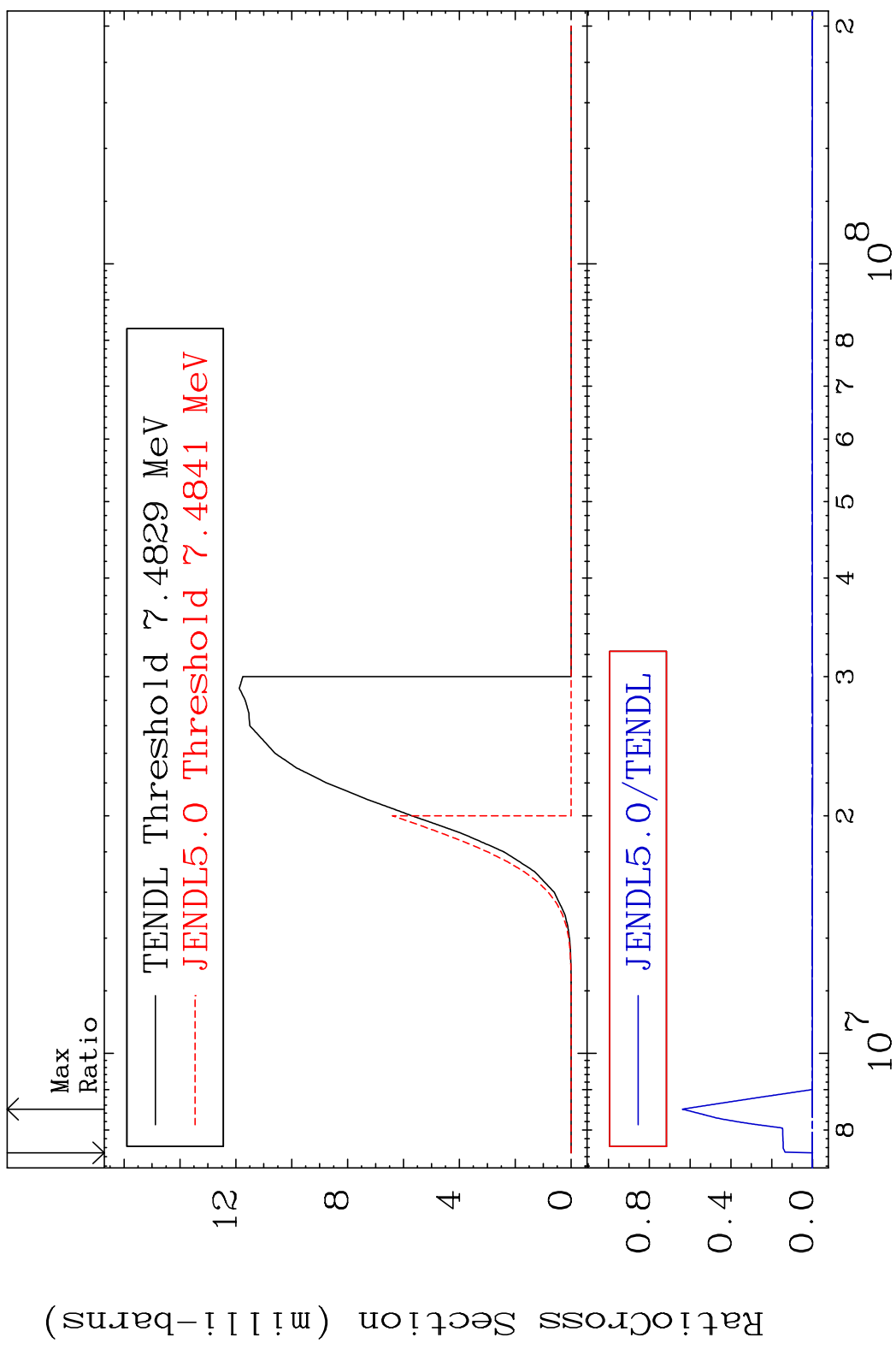
50-Sn-126

MAT 5067

(n,p)

50-Sn-126

Cross Section -100.0 To 9999. %

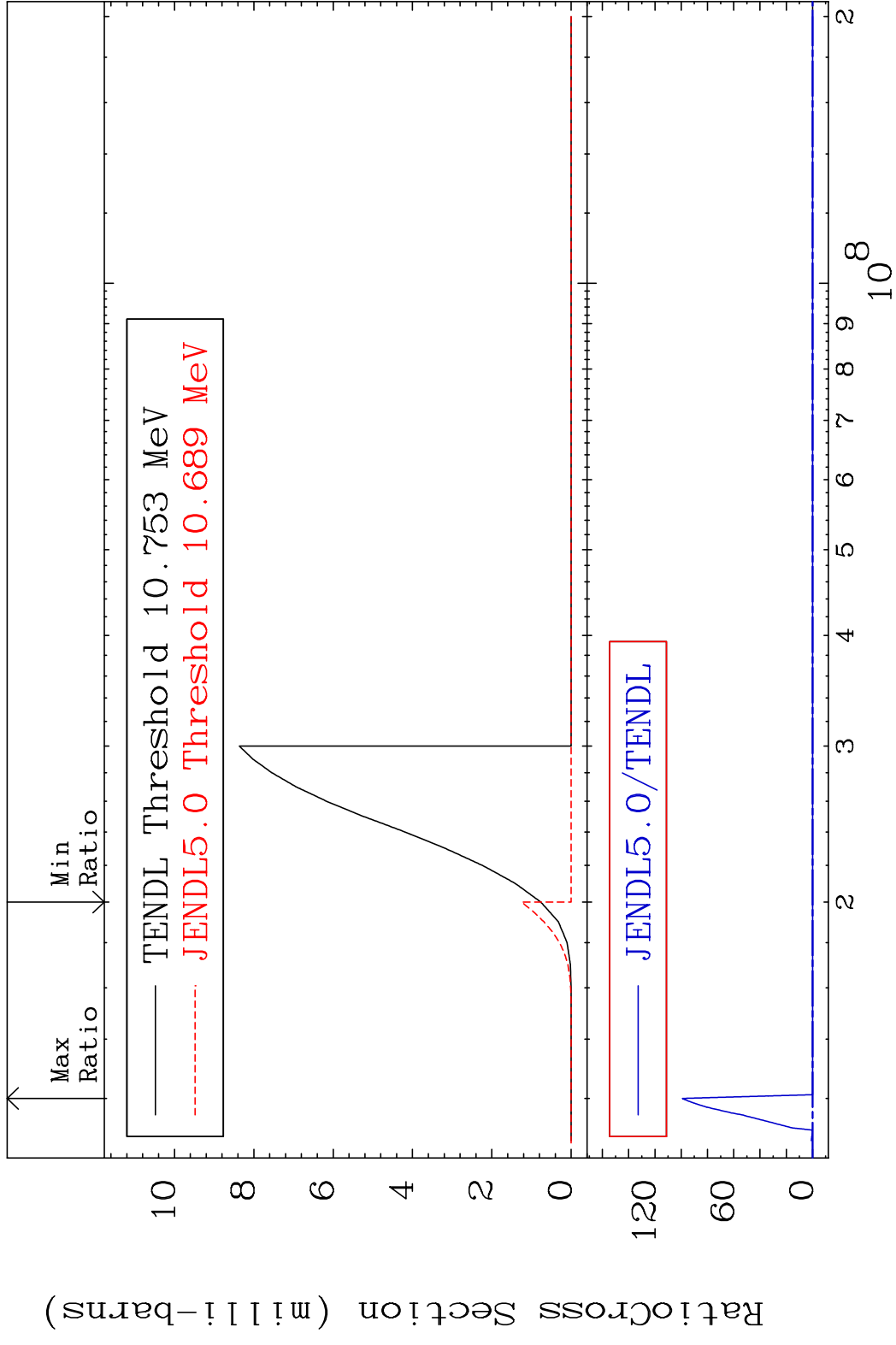


33

Incident Energy (eV)

50-Sn-126

MAT 5067 (n,d) 50-Sn-126  
 Cross Section -100.0 To 9999. %

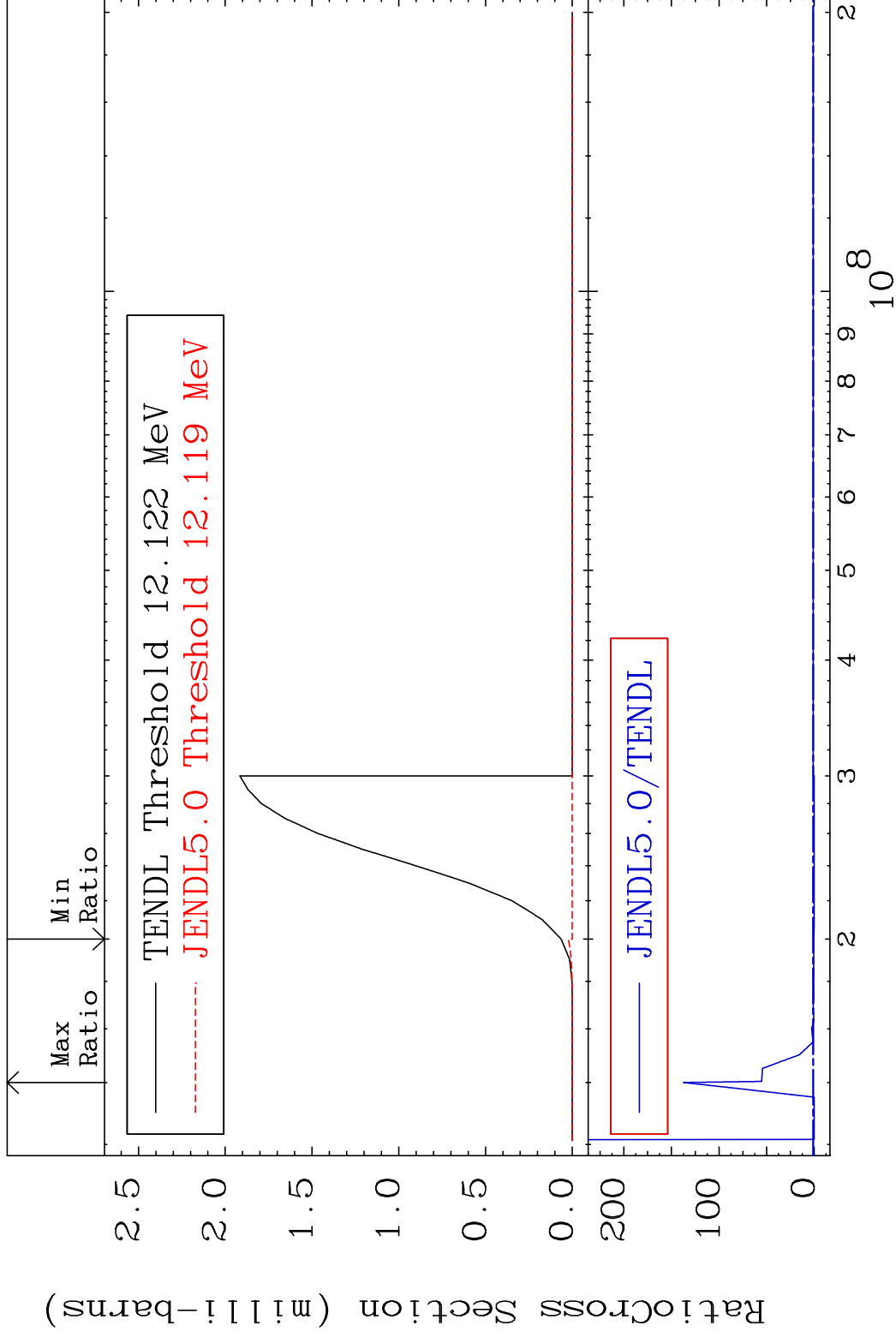


MAT 5067

(n, t)

50-Sn-126

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

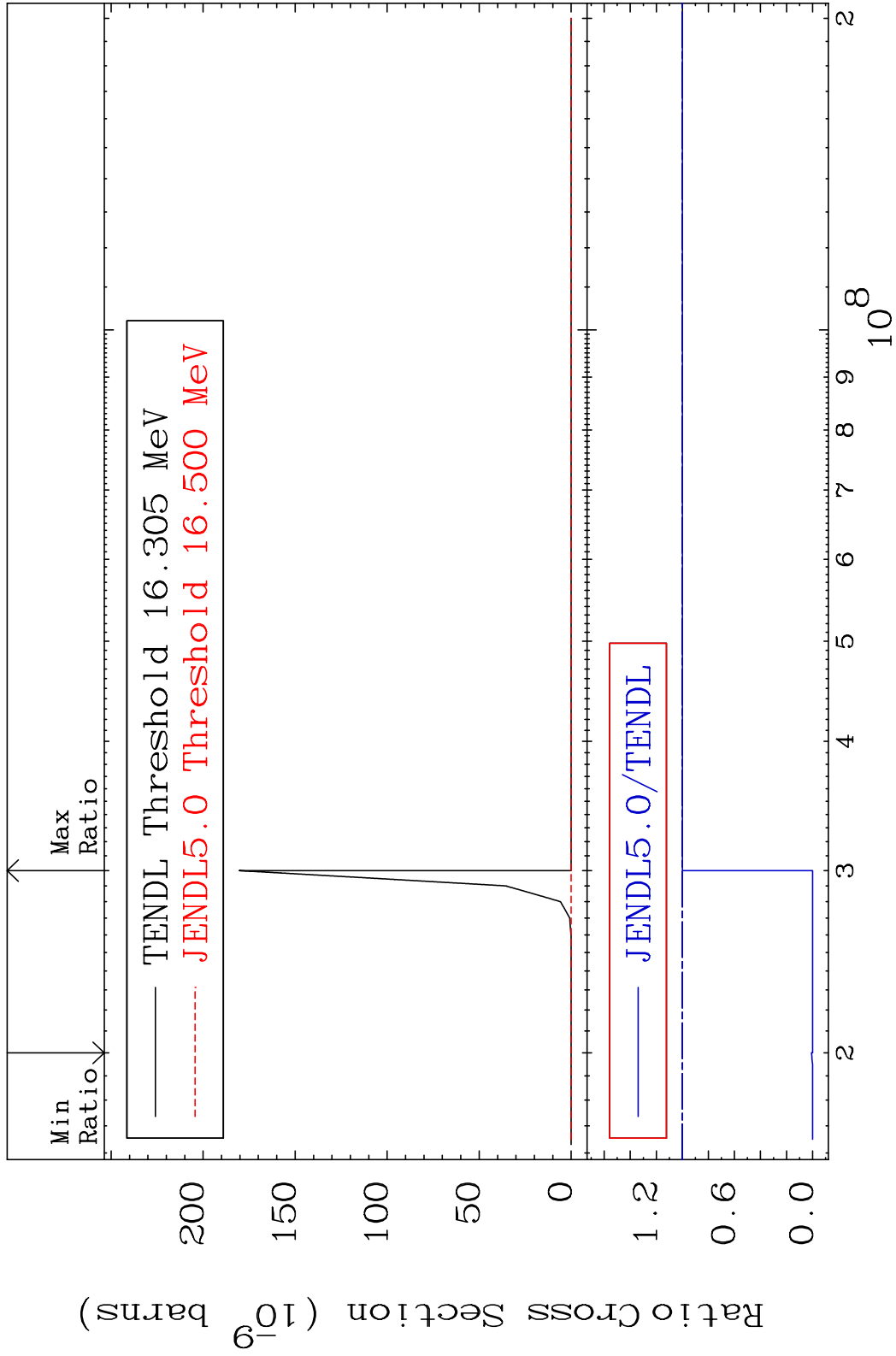
50-Sn-126

MAT 5067

(n, He-3)

50-Sn-126

Cross Section -100.0 To 0.000 %

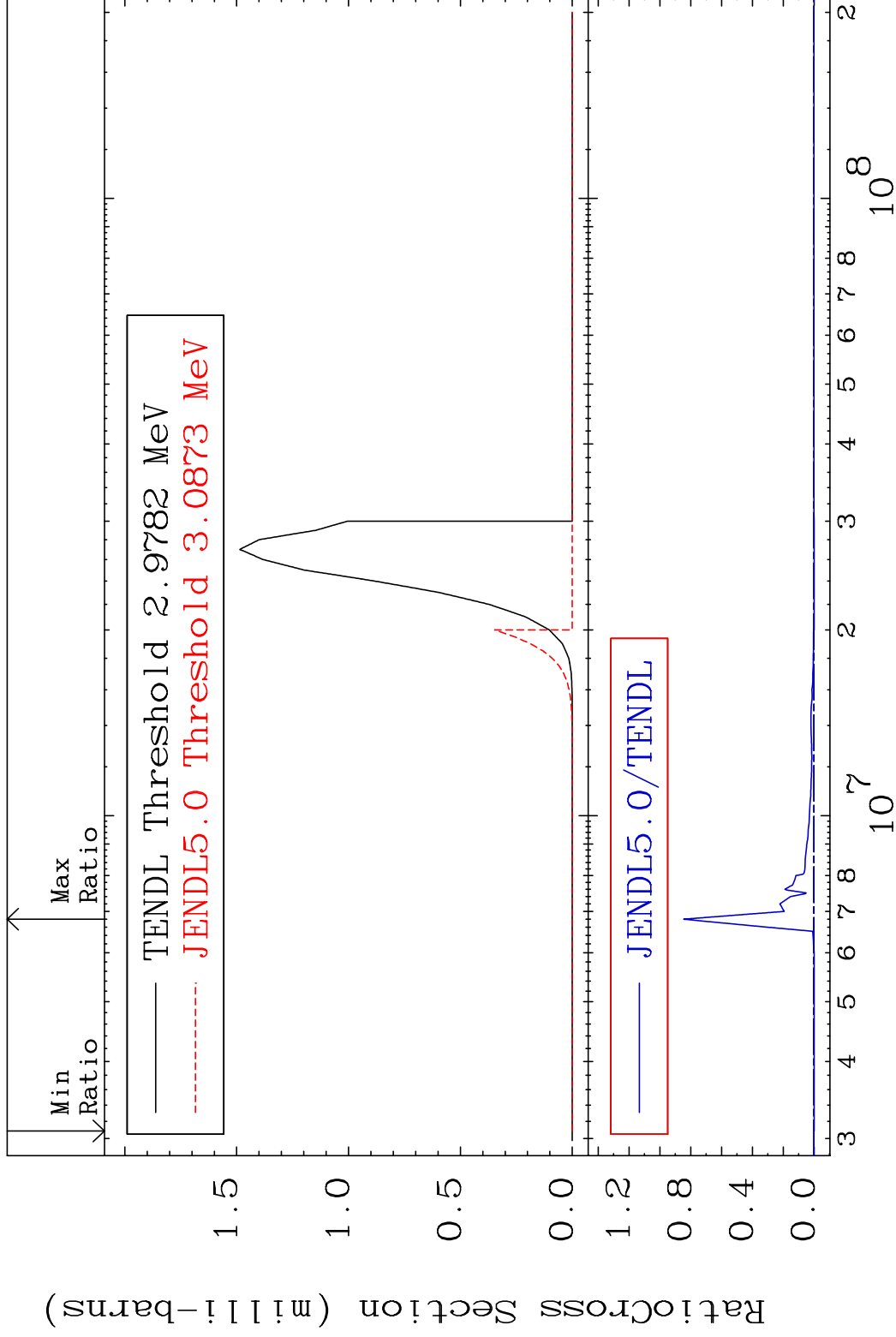


MAT 5067

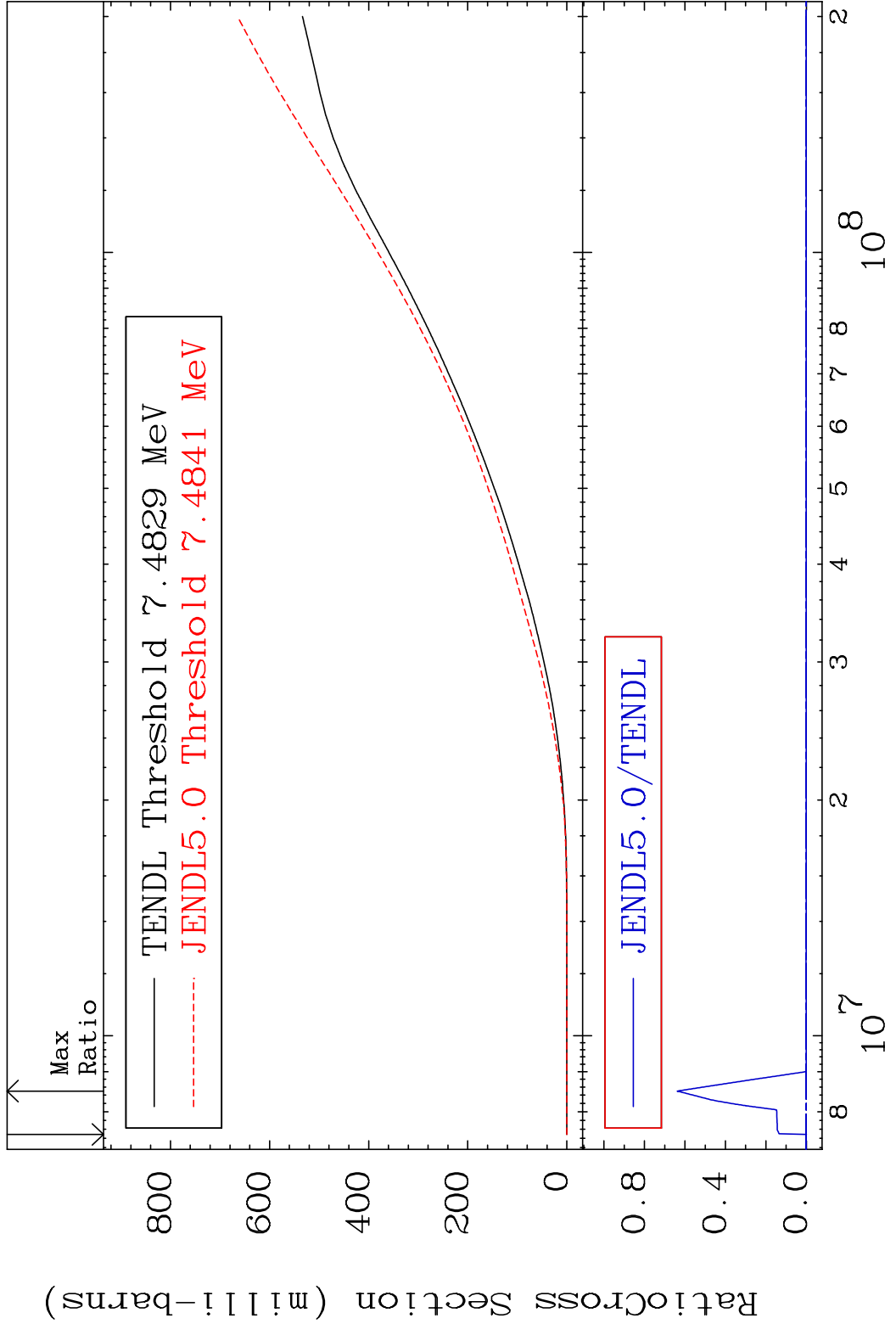
(n,  $\alpha$ )

50-Sn-126

Cross Section -100.0 To 9999. %



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

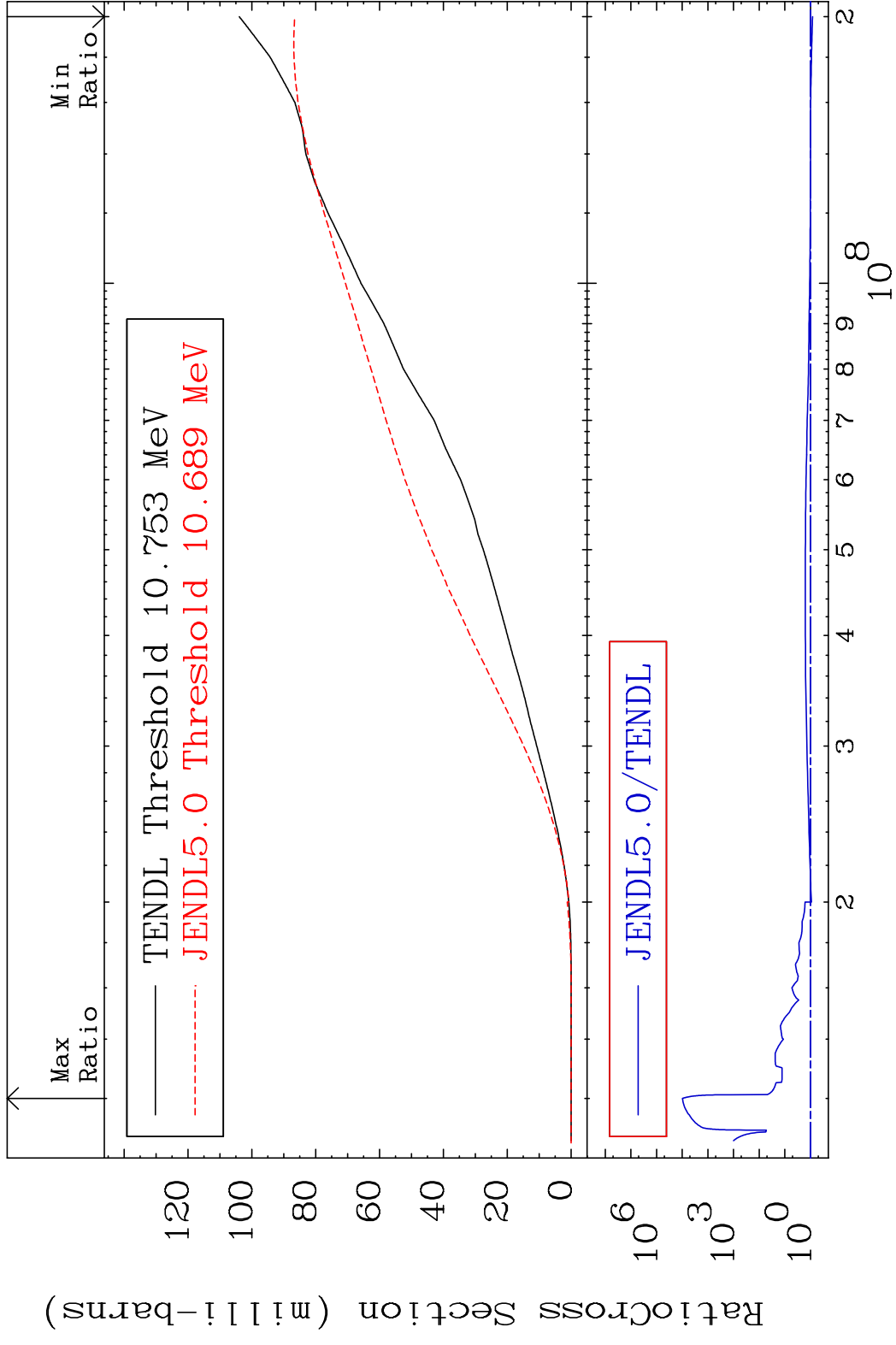


MAT 5067

Deuterium Production

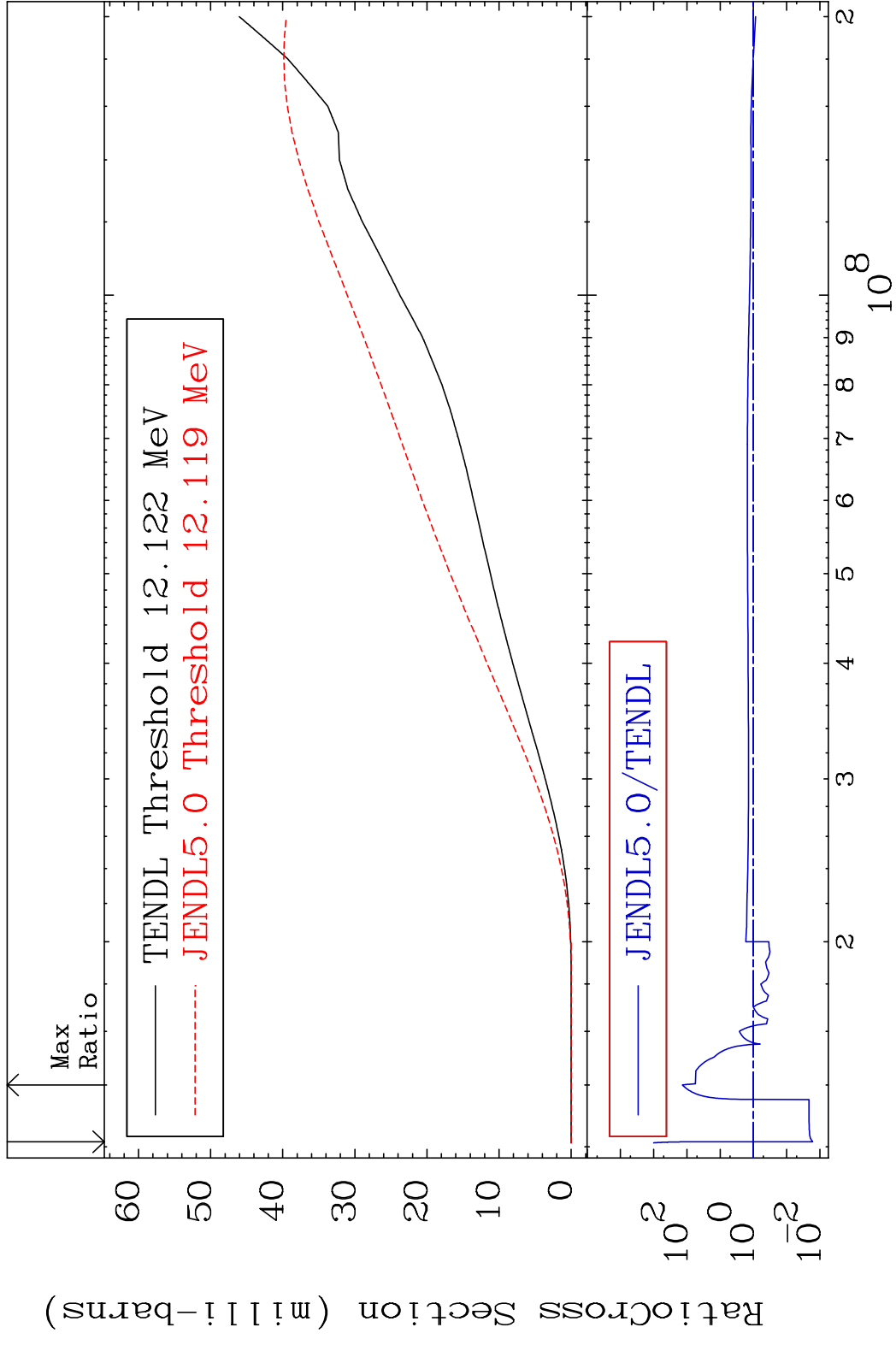
50-Sn-126

Cross Section -16.64 To 9999. %





MAT 5067 Tritium Production 50-Sn-126  
 Cross Section -98.34 To 9999. %



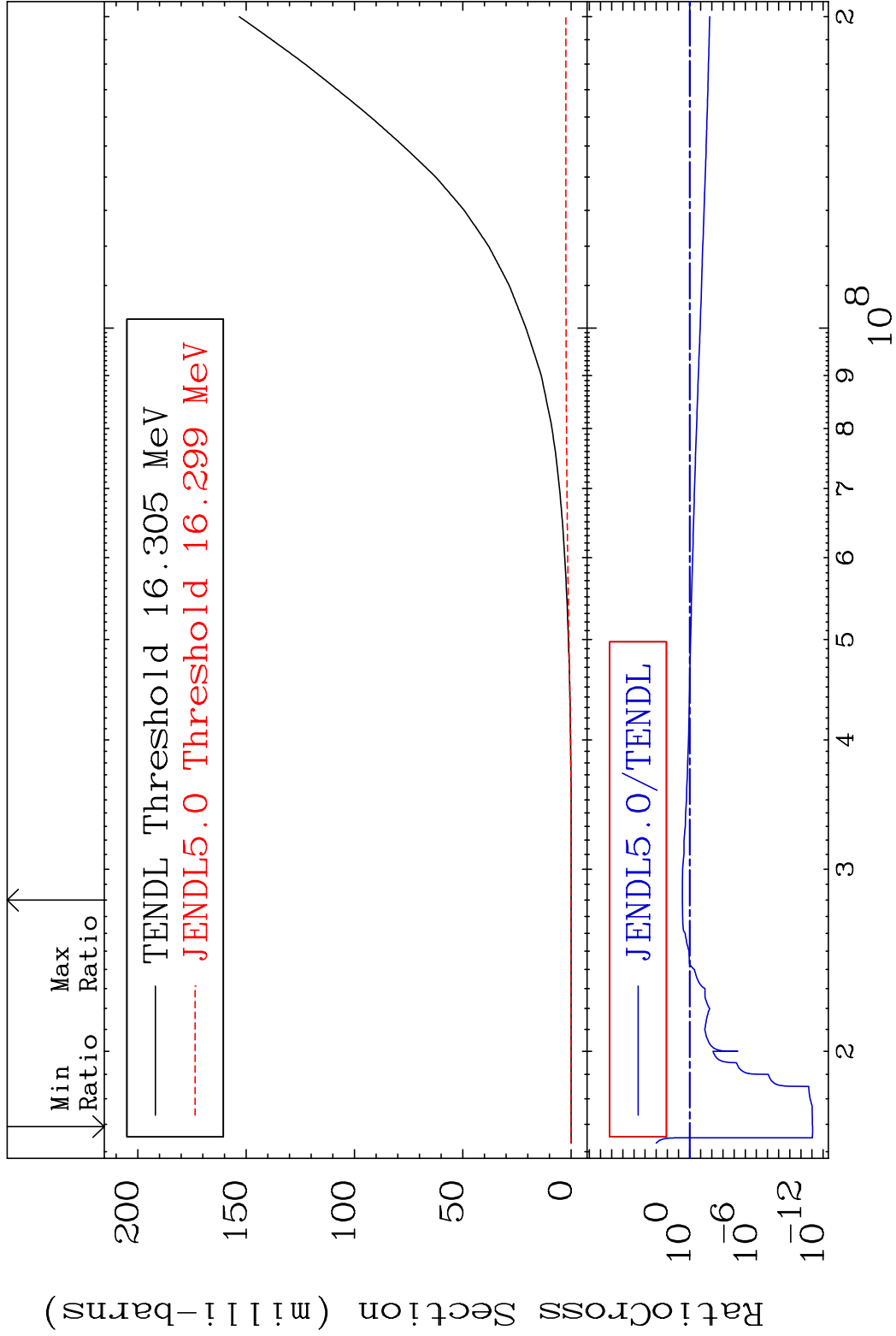
40 Incident Energy (eV) 50-Sn-126

MAT 5067

He-3 Production

50-Sn-126

Cross Section -100.0 To 346.5 %

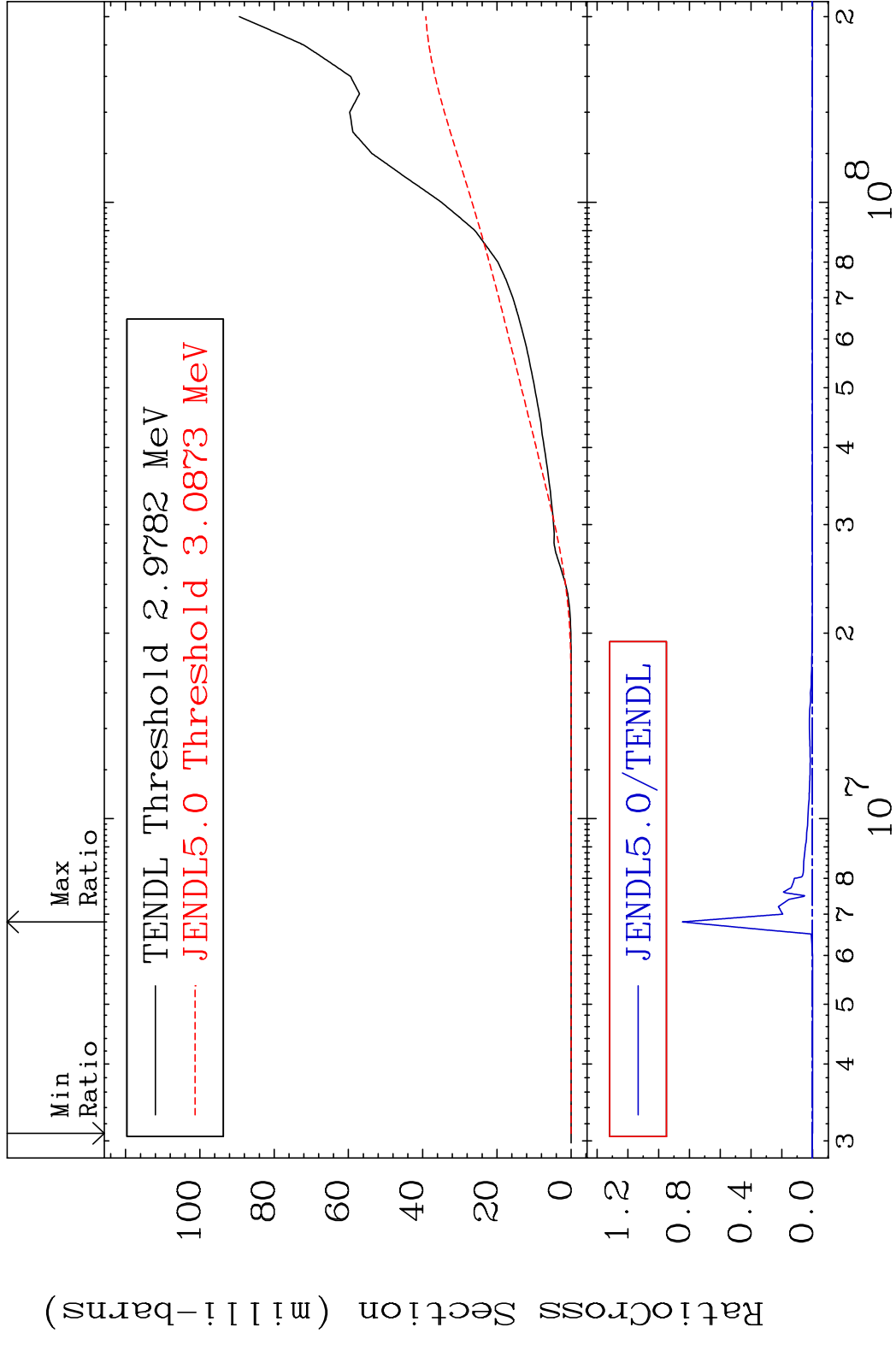


MAT 5067

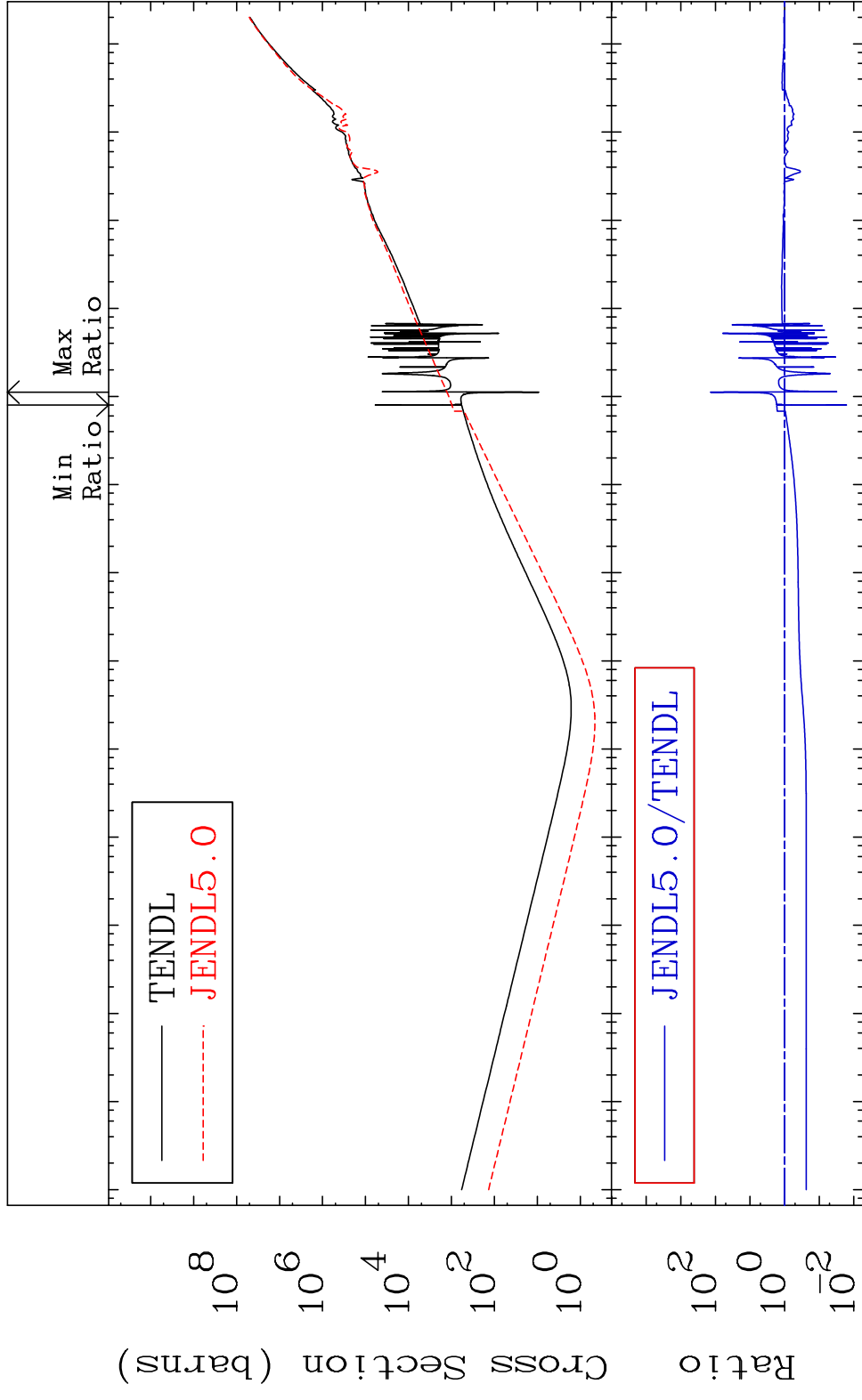
He-4 Production

50-Sn-126

Cross Section -100.0 To 9999. %



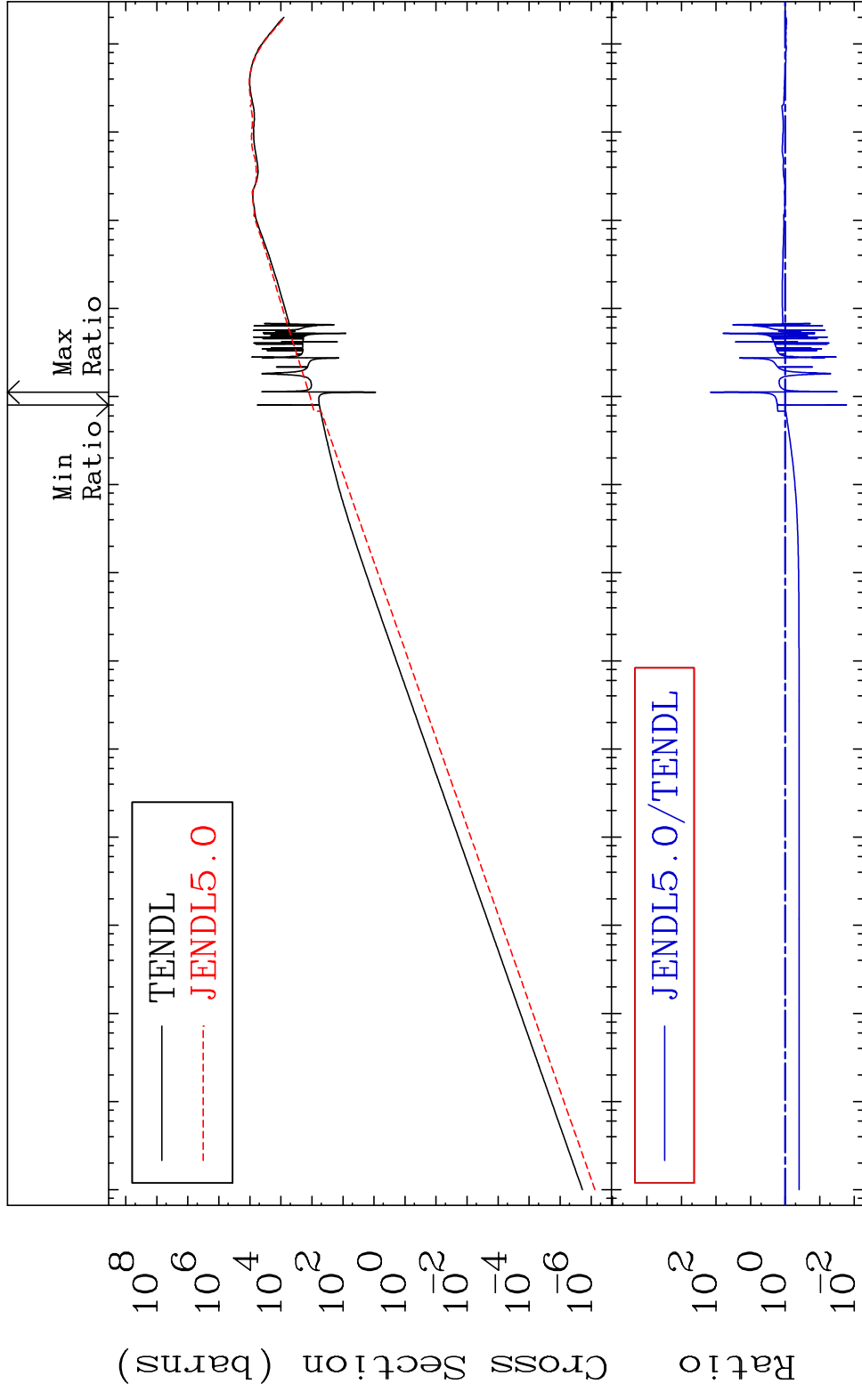
MAT 5067 Kerma total (eV-barns) 50-Sn-126  
 Cross Section -98.36 To 9999. %



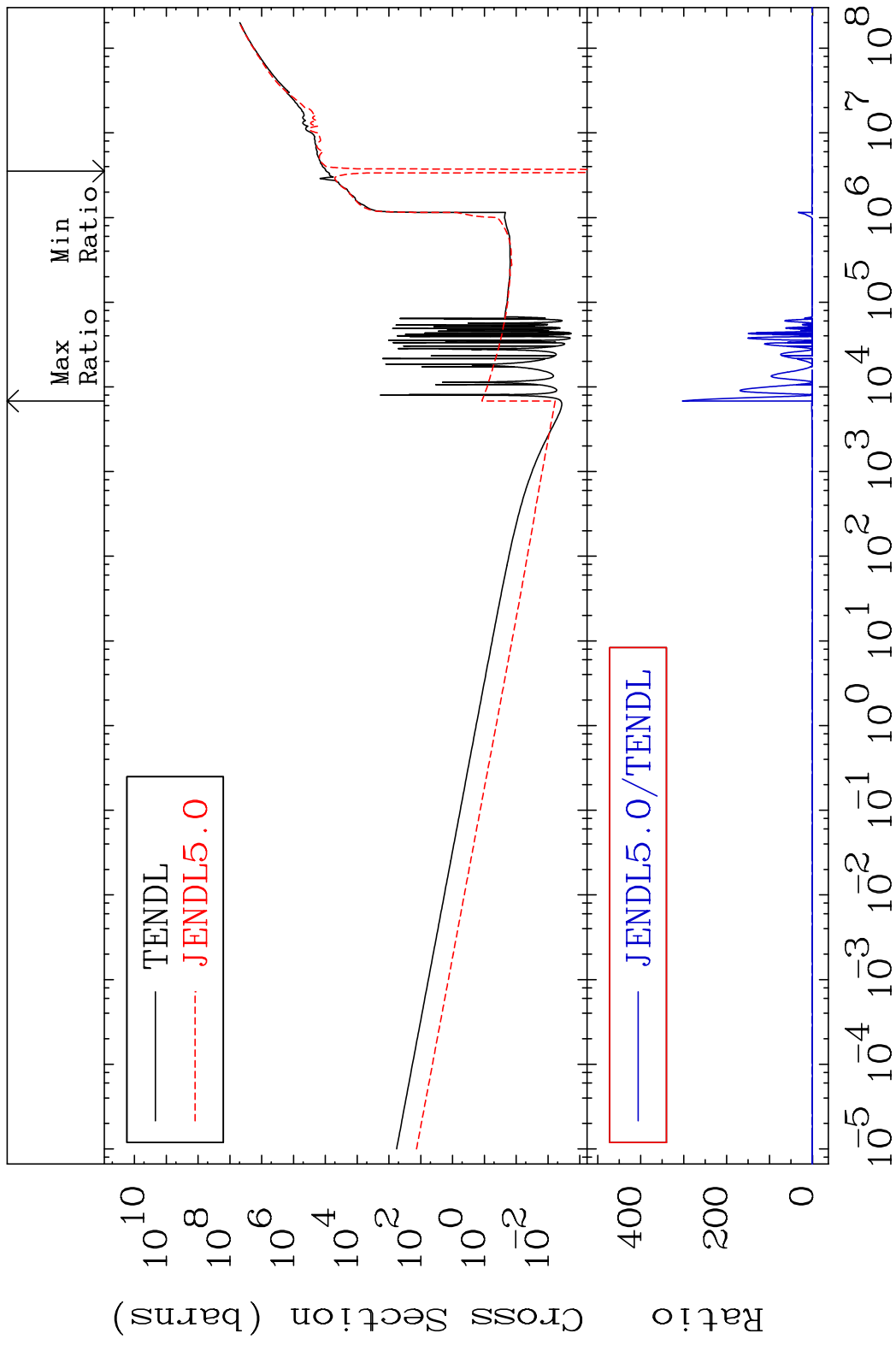
MAT 5067

Kerma elastic  
Cross Section

50-Sn-126  
-98.30 To 9999. %



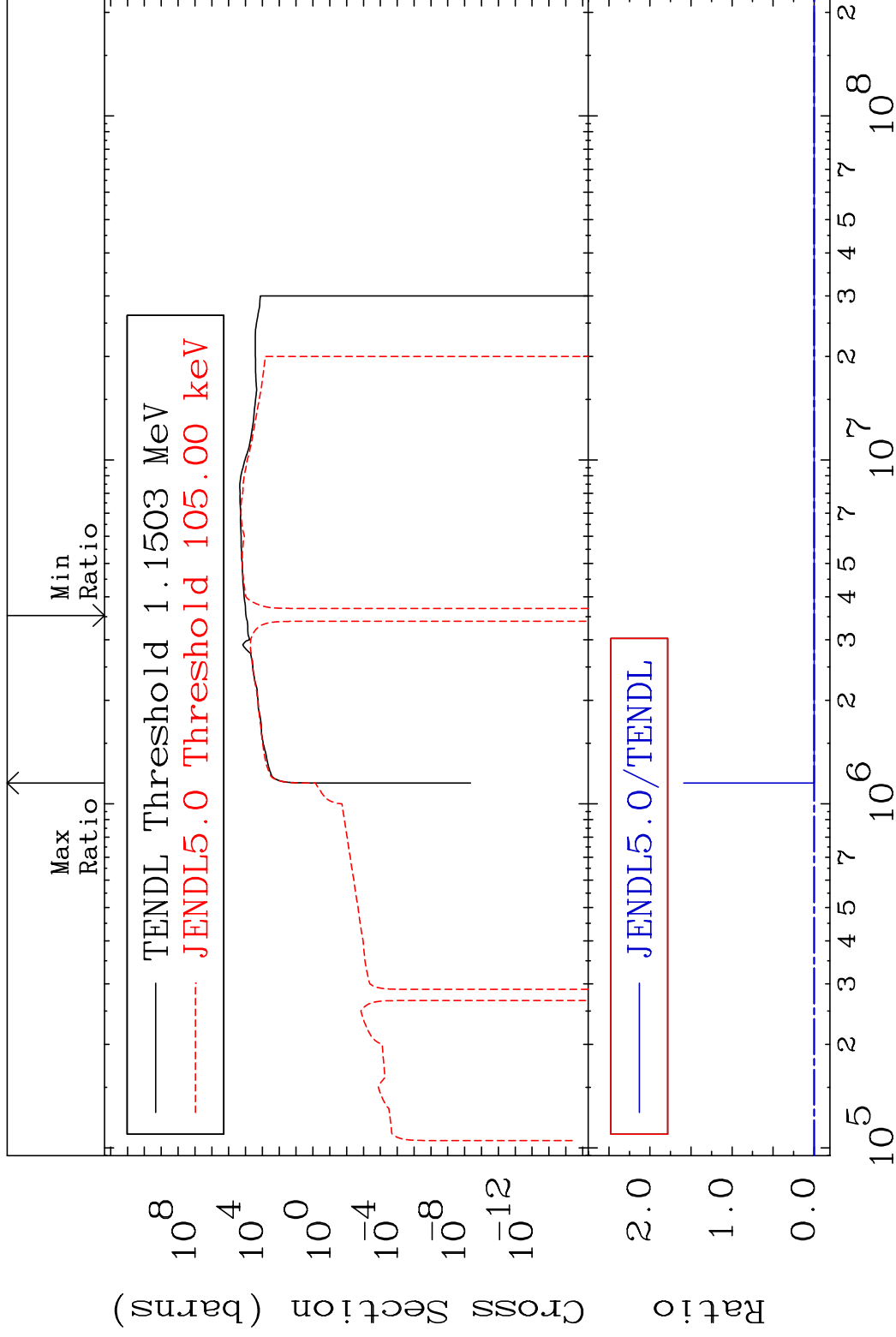
MAT 5067 Kerma non-elastic (all but mt2) 50-Sn-126  
 Cross Section -110.6 To 9999. %



45 Incident Energy (eV) 50-Sn-126

MAT 5067

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

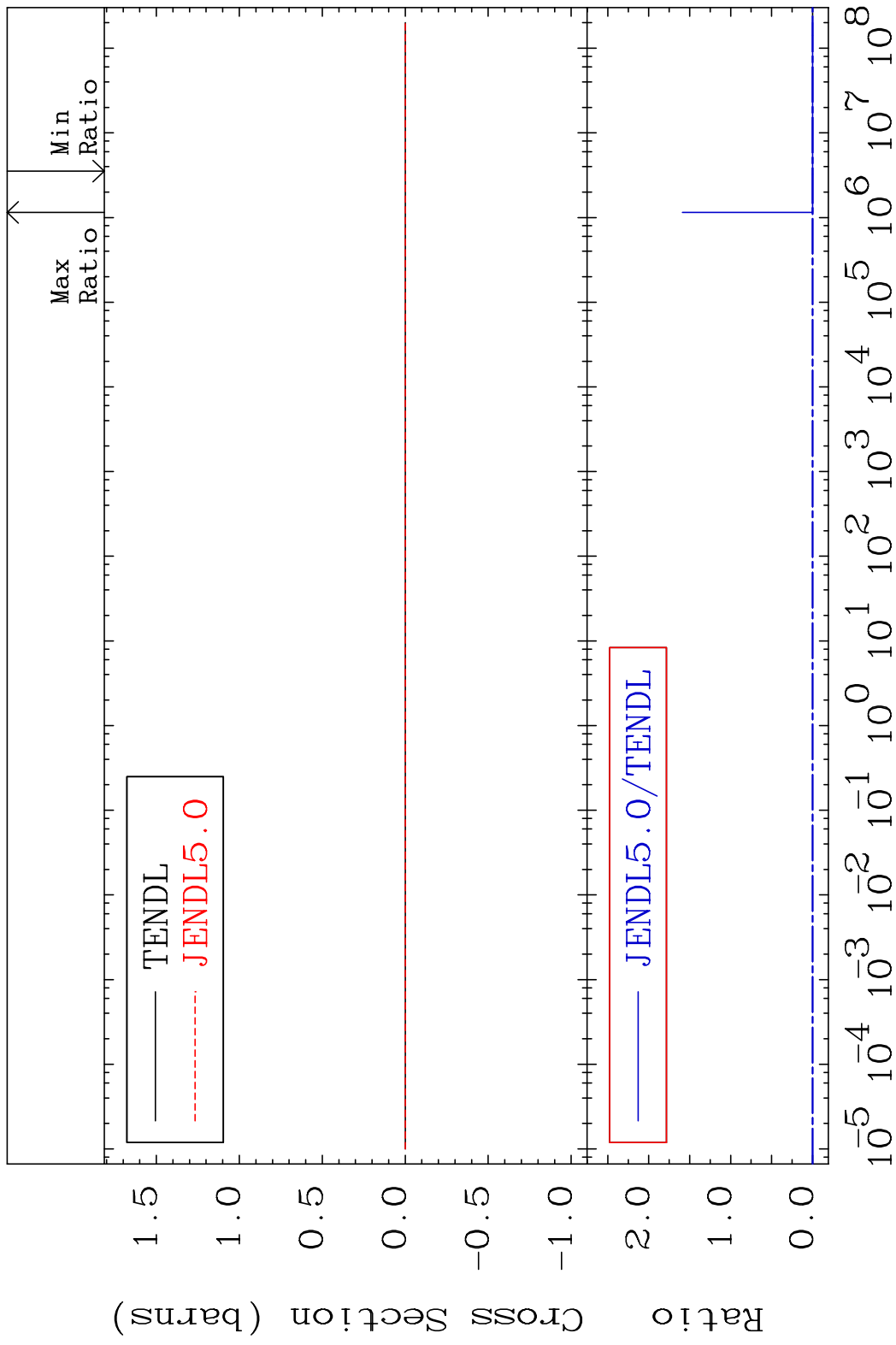


46

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. %



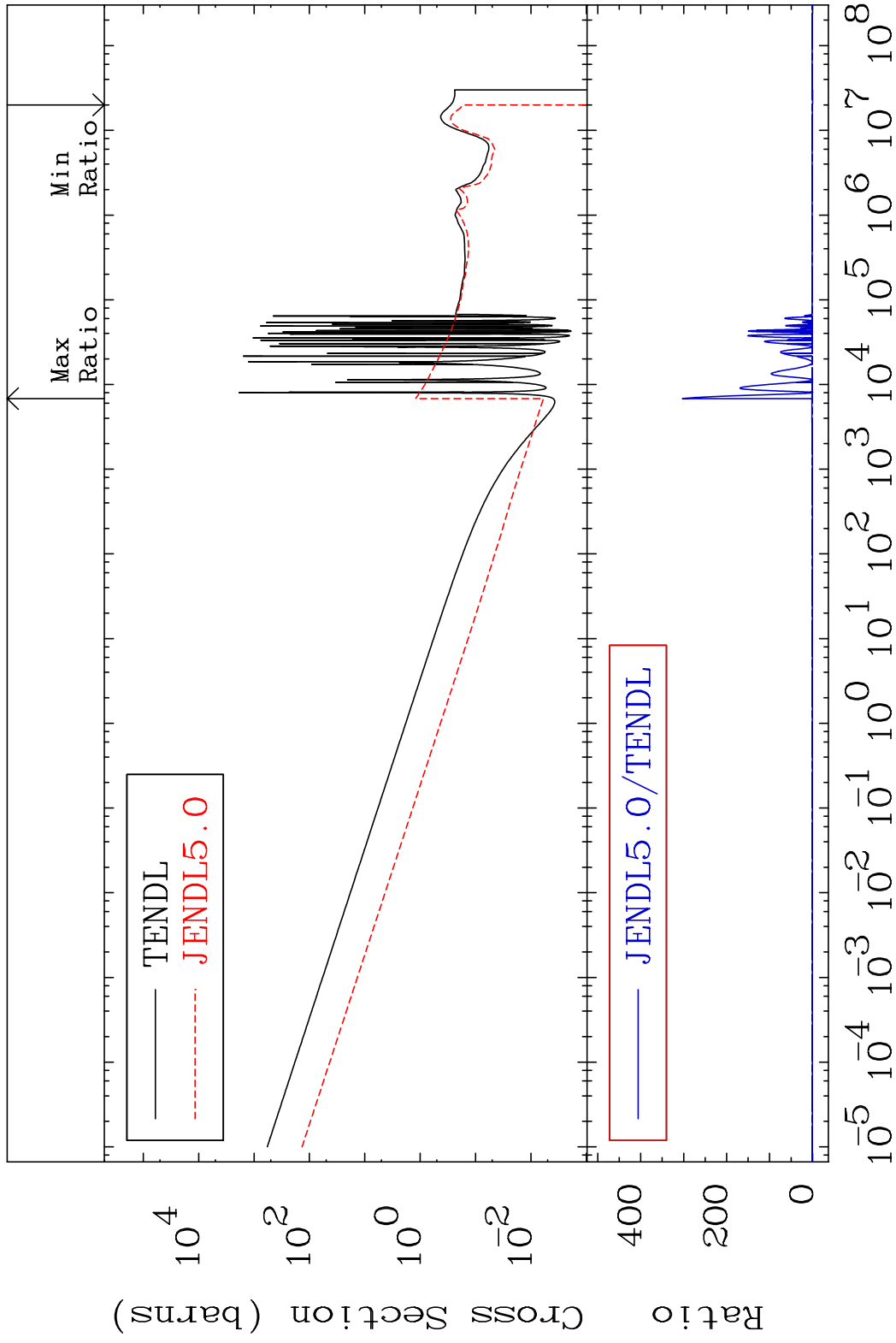


MAT 5067

Kerma capture (mt102)

50-Sn-126

Cross Section -100.0 To 9999. %

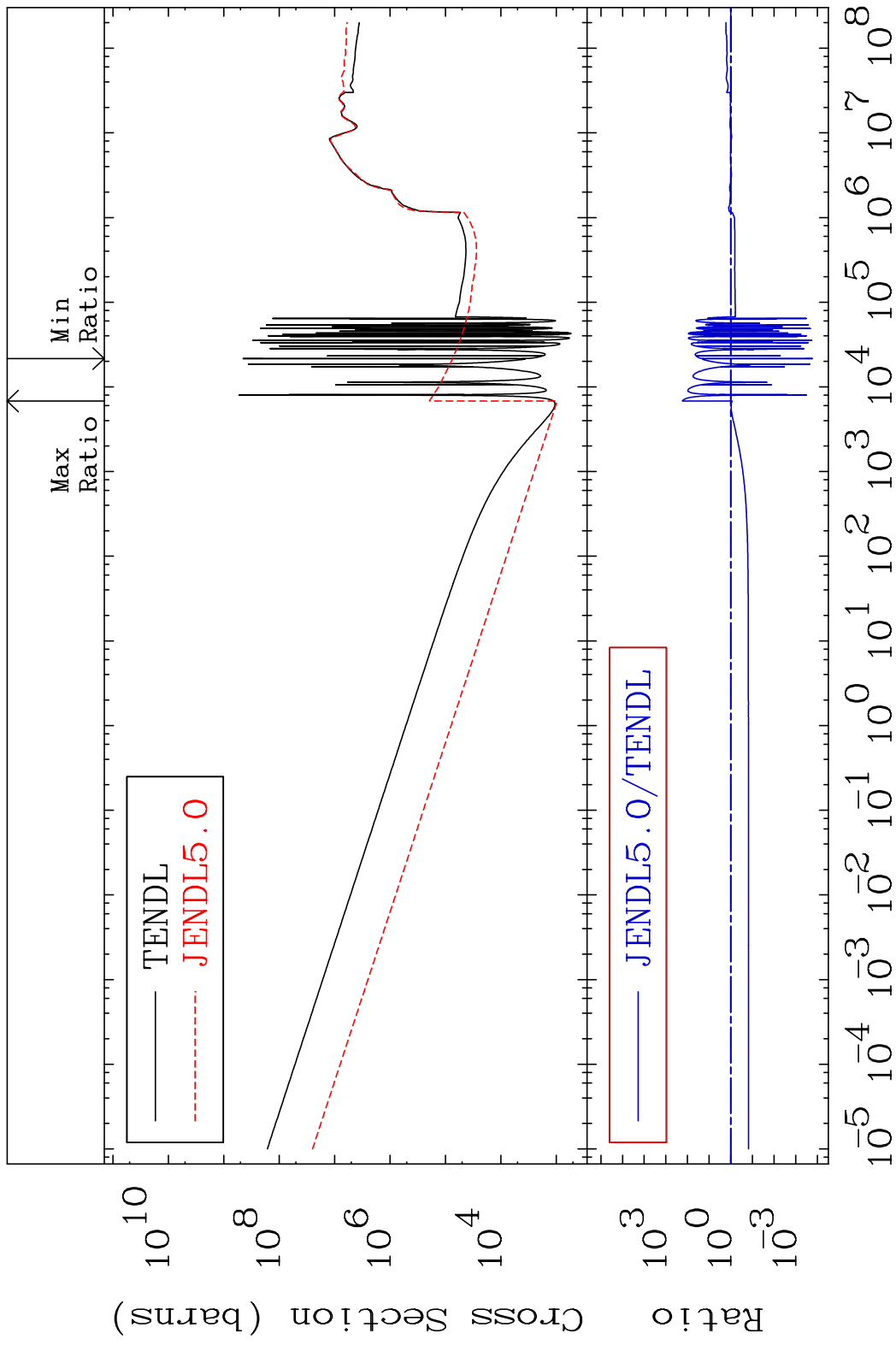


48

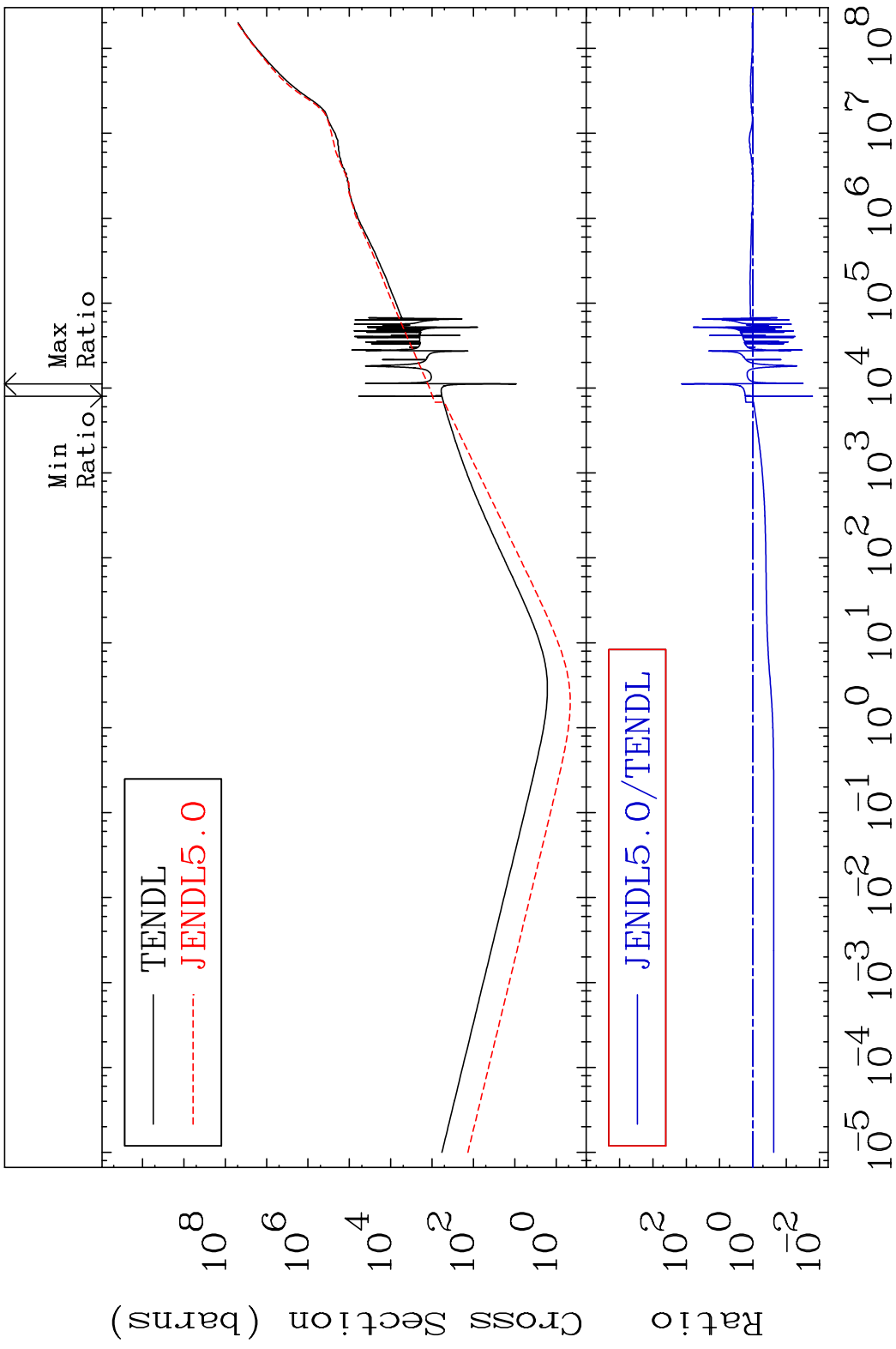
Incident Energy (eV)

50-Sn-126

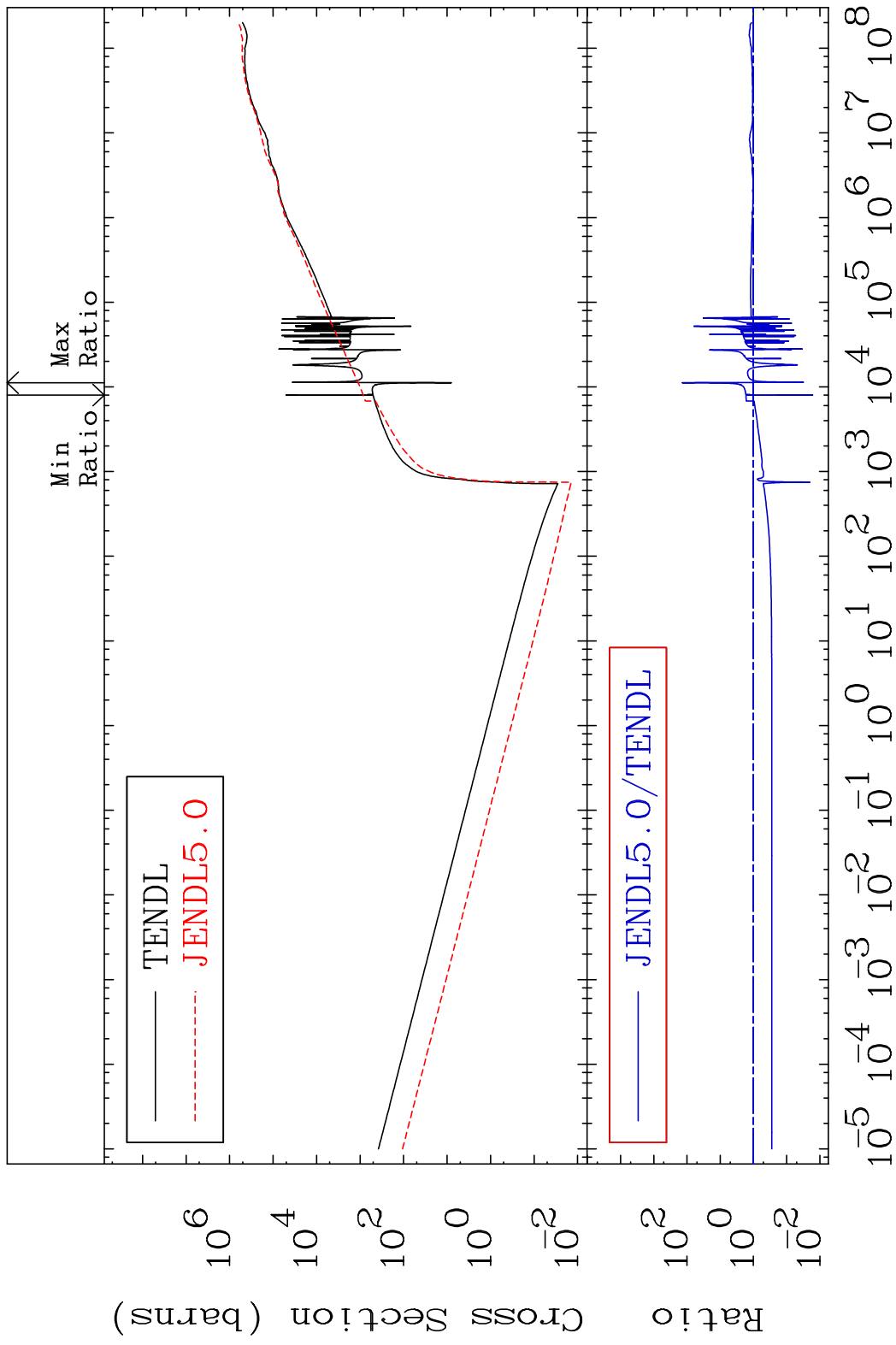
MAT 5067 Total photon (eV-barns) 50-Sn-126  
Cross Section -99.98 To 9999. %



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. %

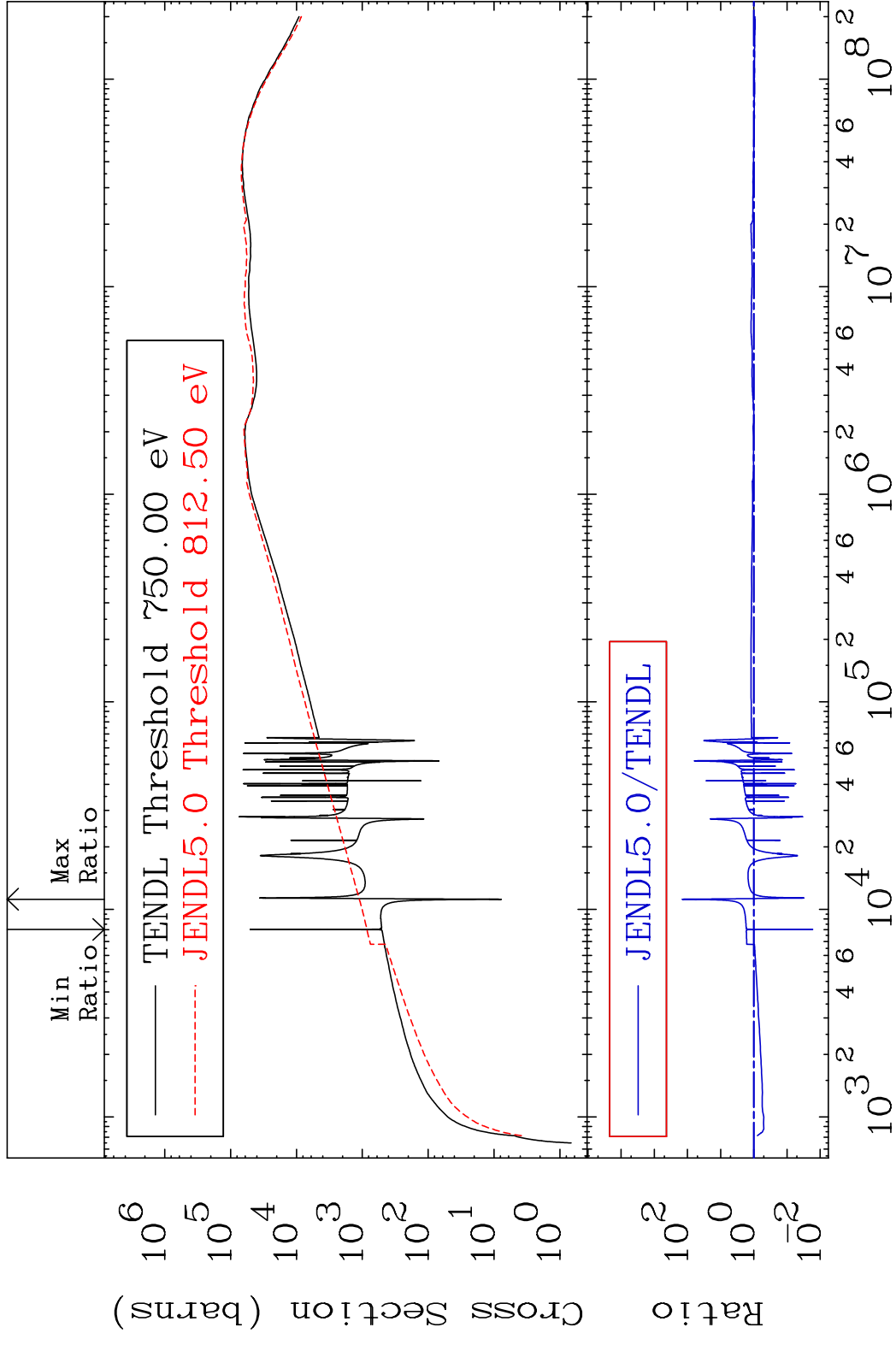


MAT 5067

Dpa elastic (mt2)

50-Sn-126

Cross Section -98.31 To 9999. %

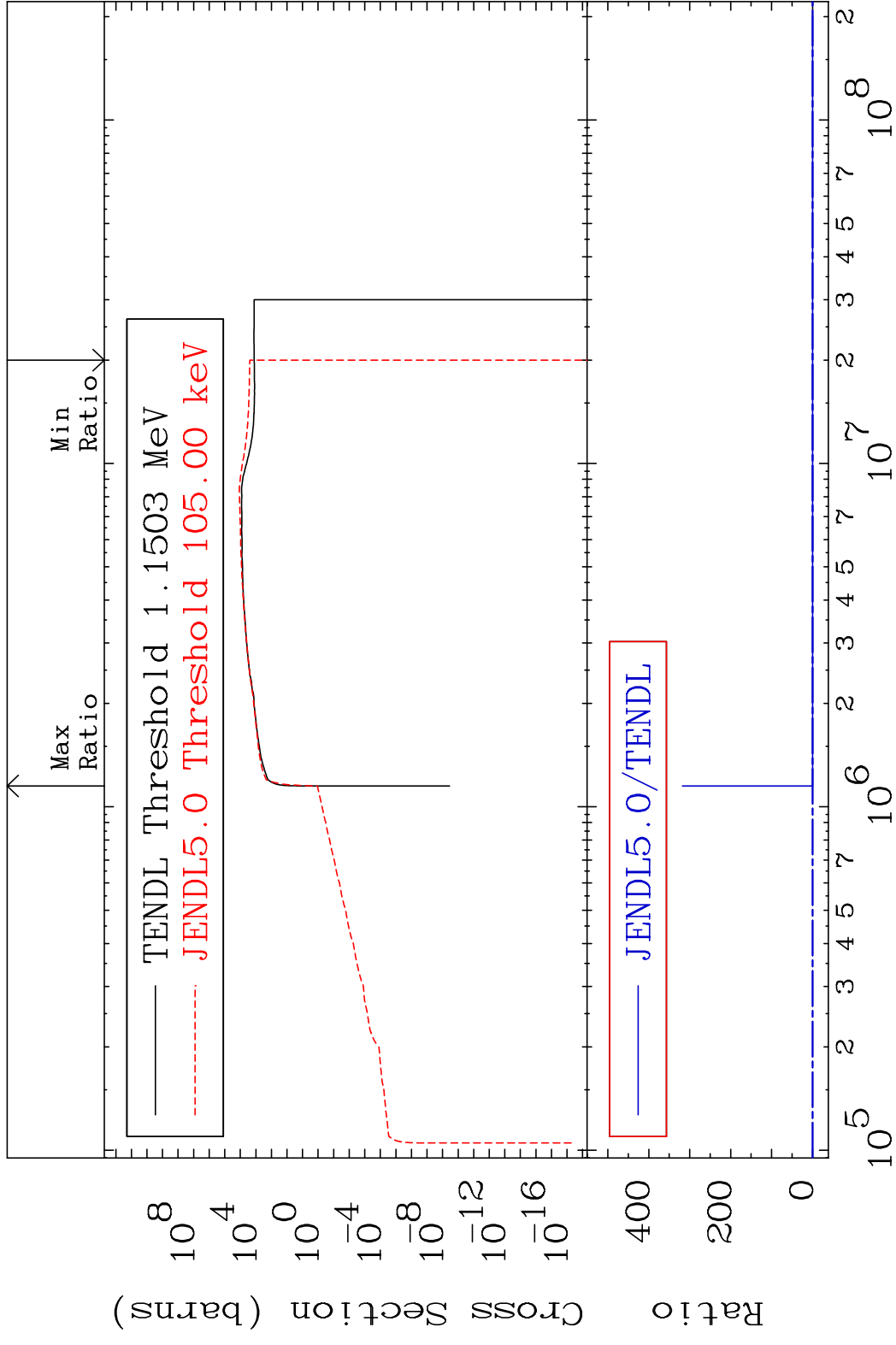


52

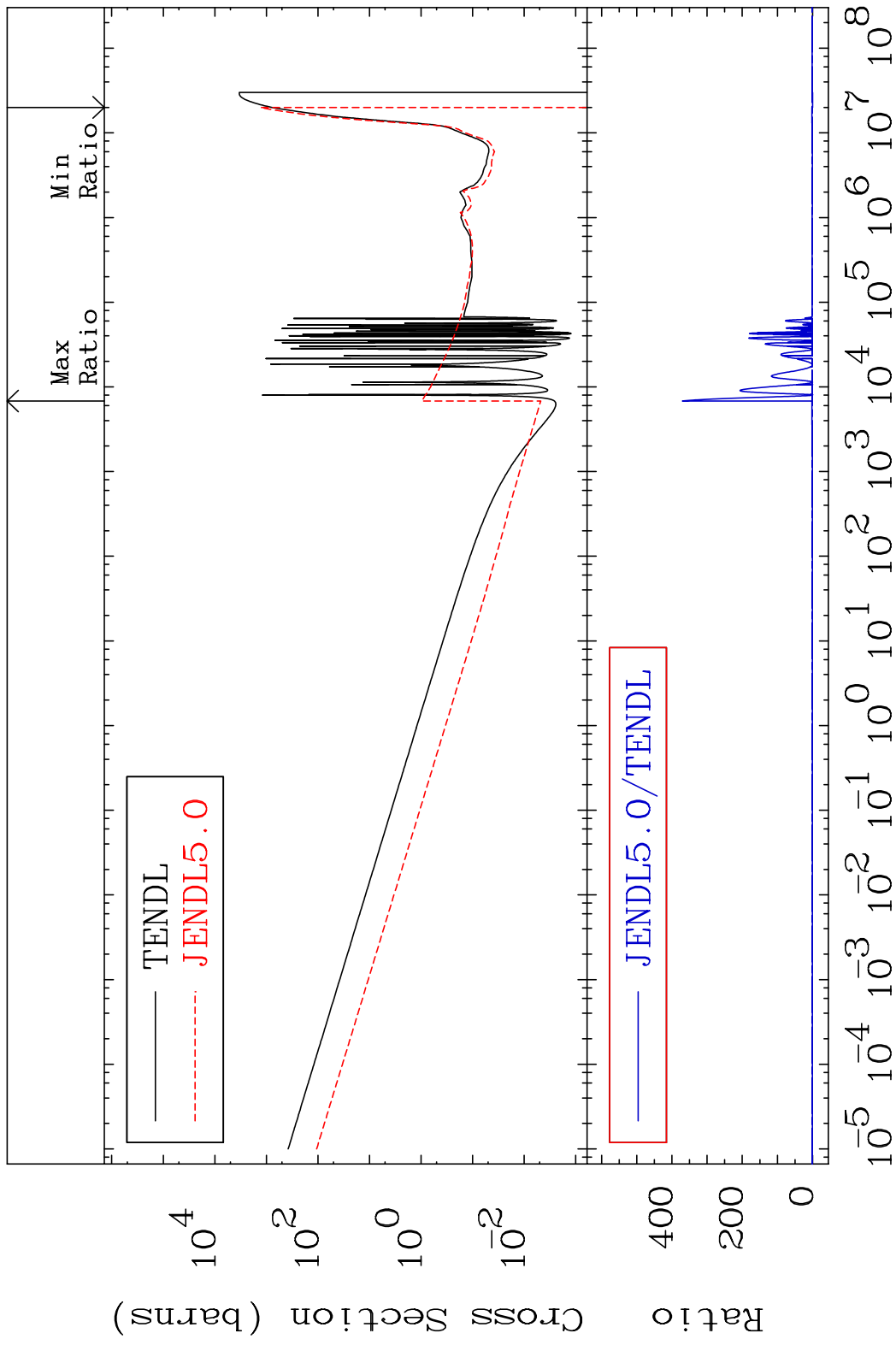
Incident Energy (eV)

50-Sn-126

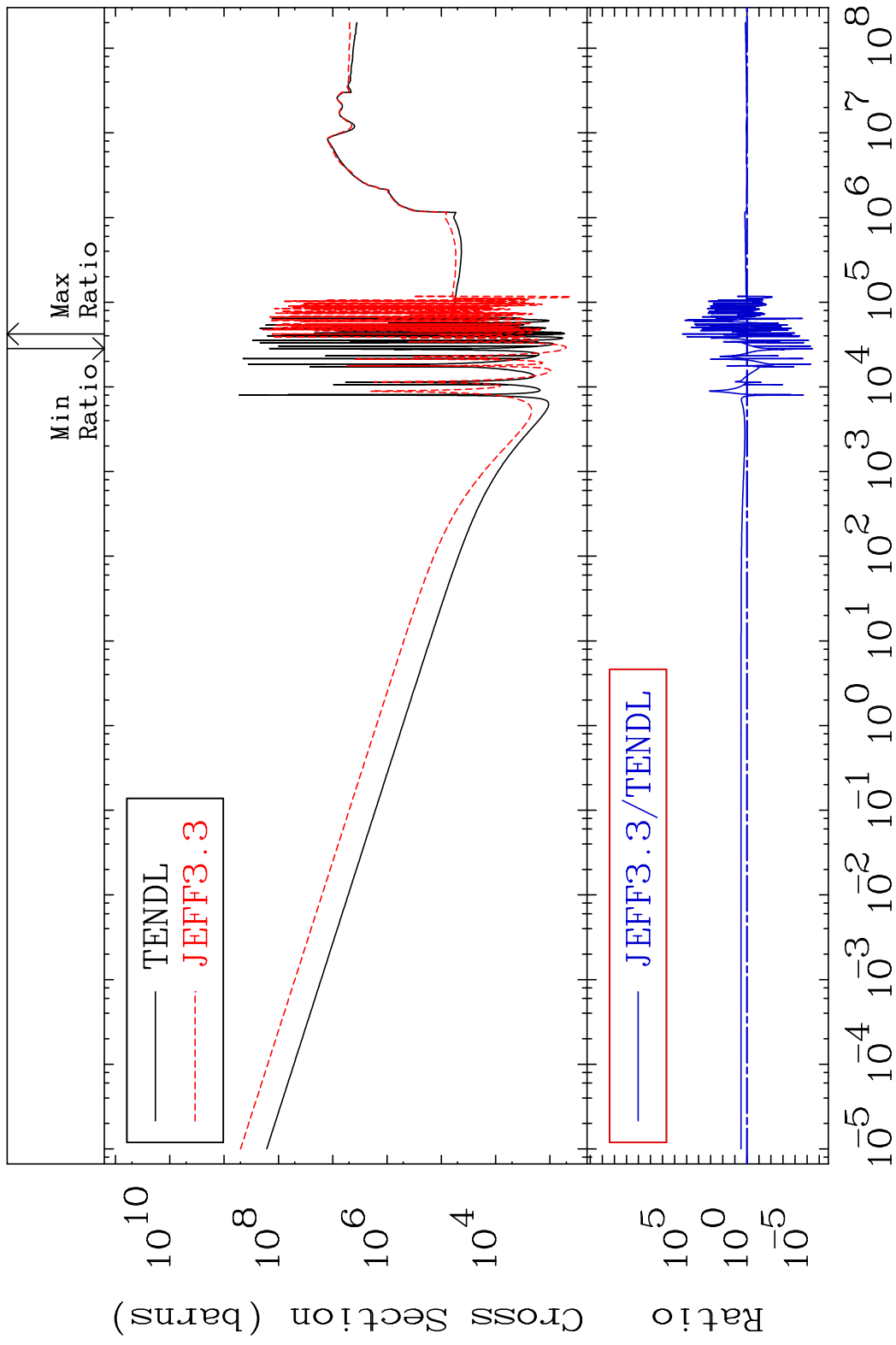
MAT 5067 Dpa inelastic (mt51-91) 50-Sn-126  
 Cross Section -100.0 To 9999. %



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



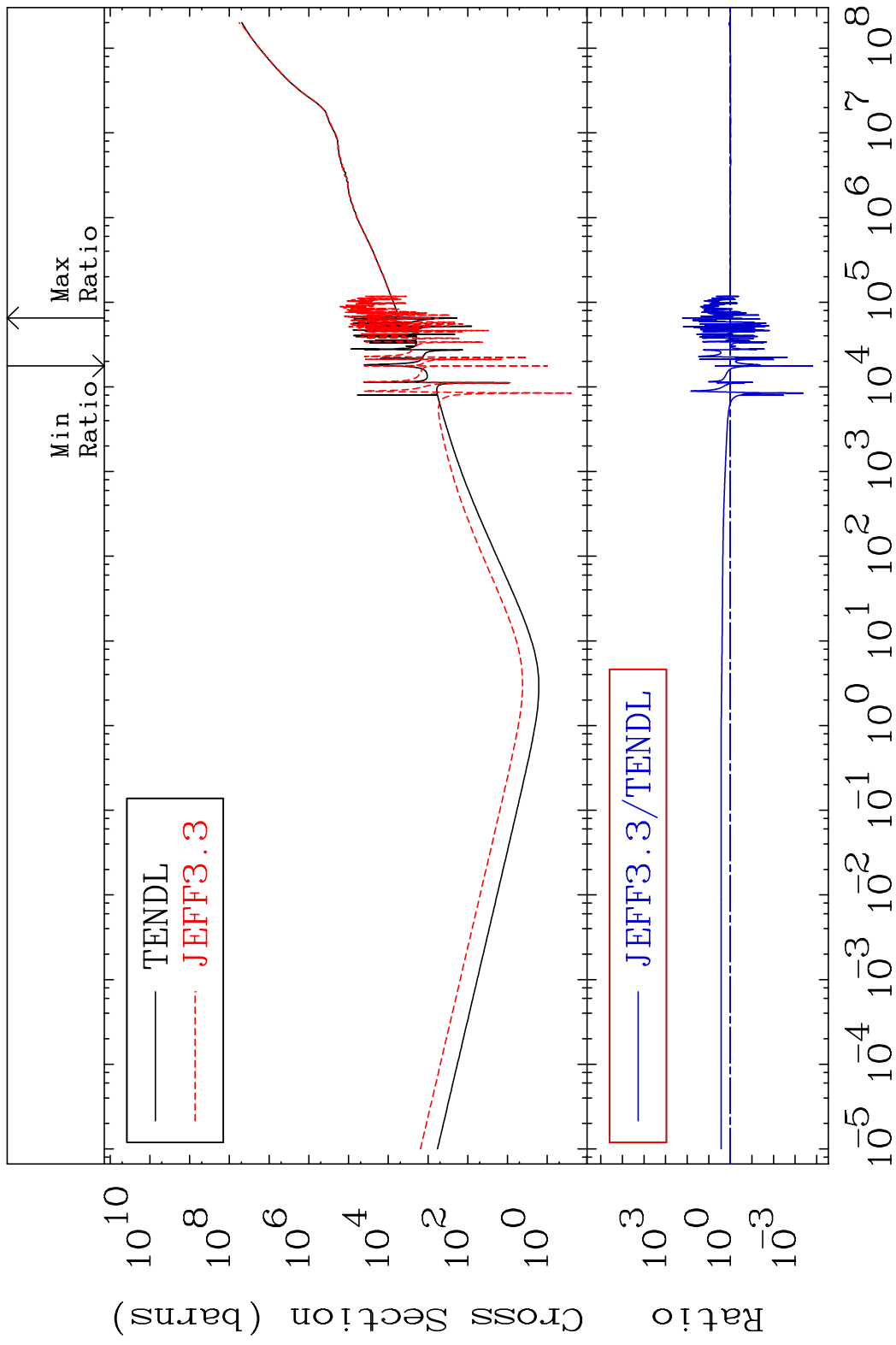
MAT 5067 Total photon (eV-barns) 50-Sn-126  
 Cross Section -100.0 To 9999. %



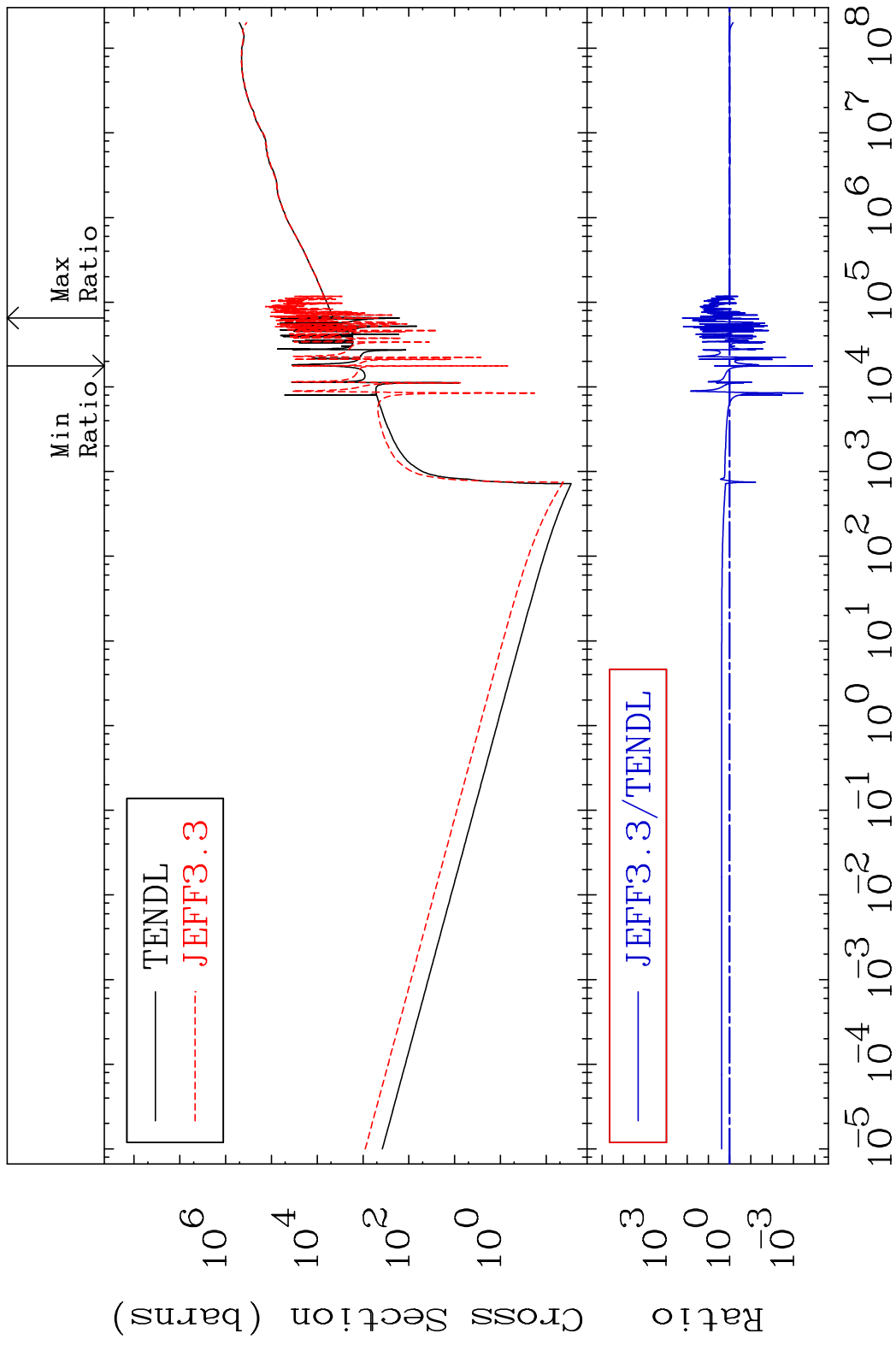
55 Incident Energy (eV) 50-Sn-126



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. %

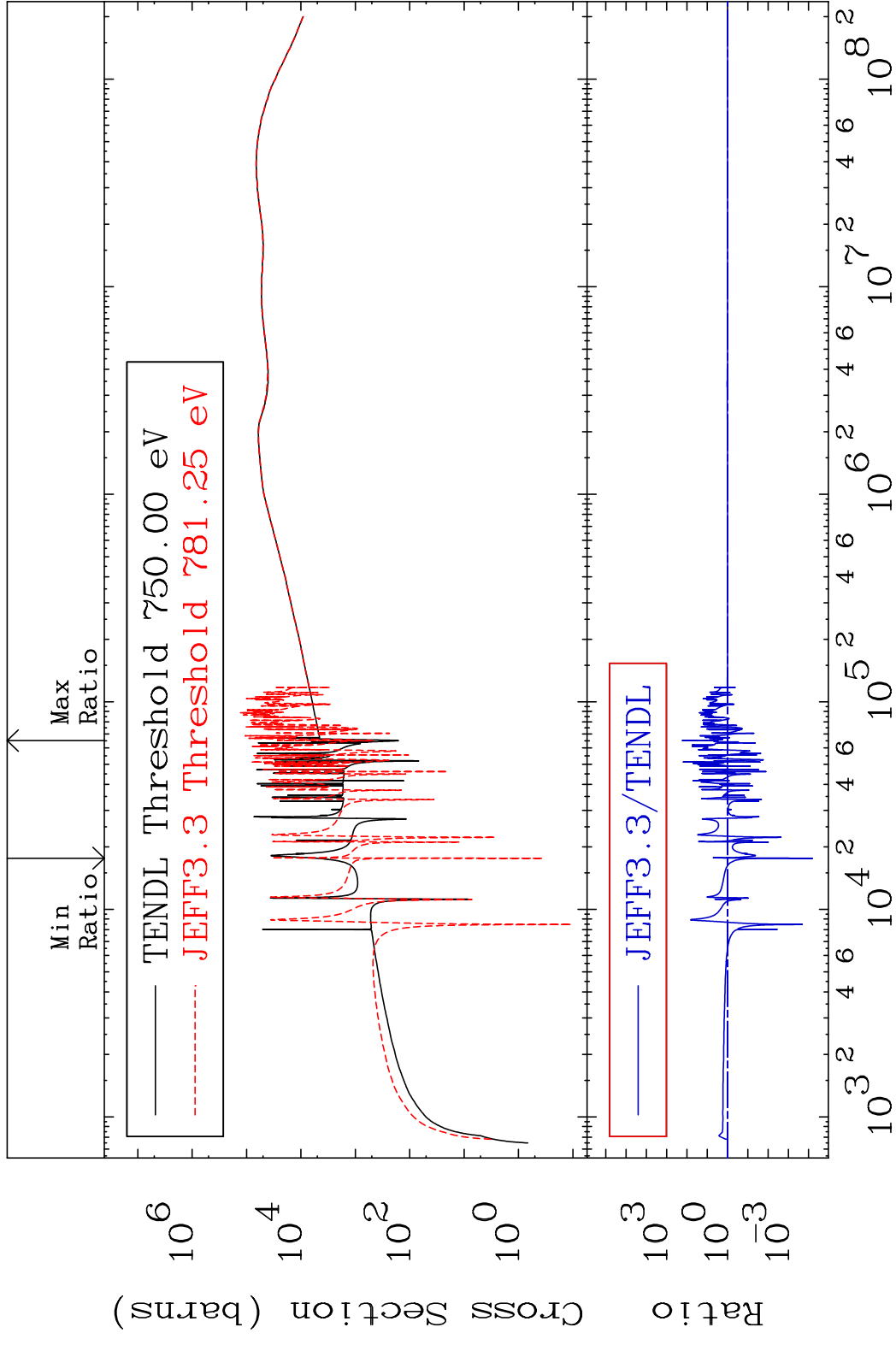


MAT 5067

Dpa elastic (mt2)

50-Sn-126

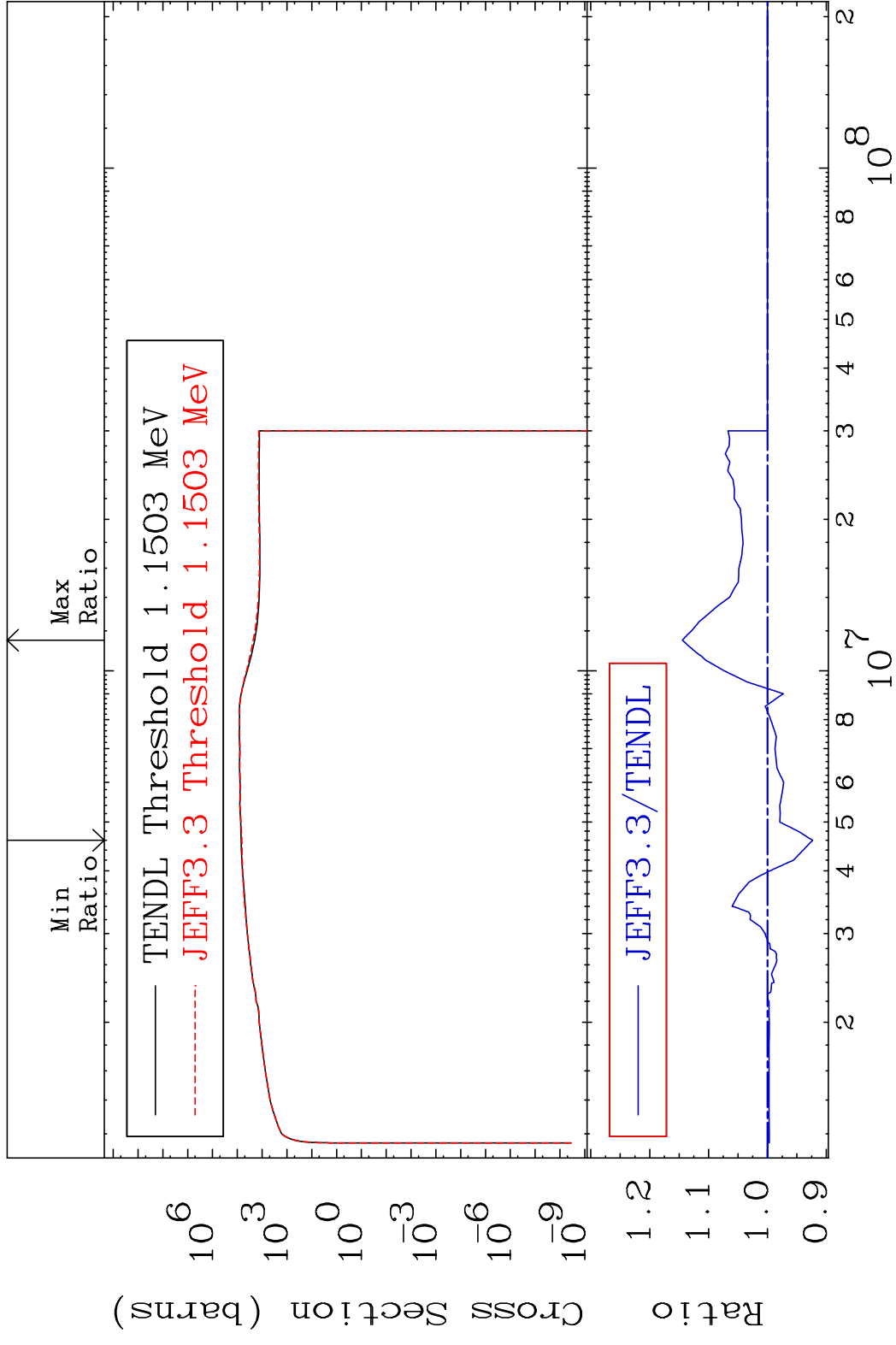
Cross Section -99.99 To 9999. %



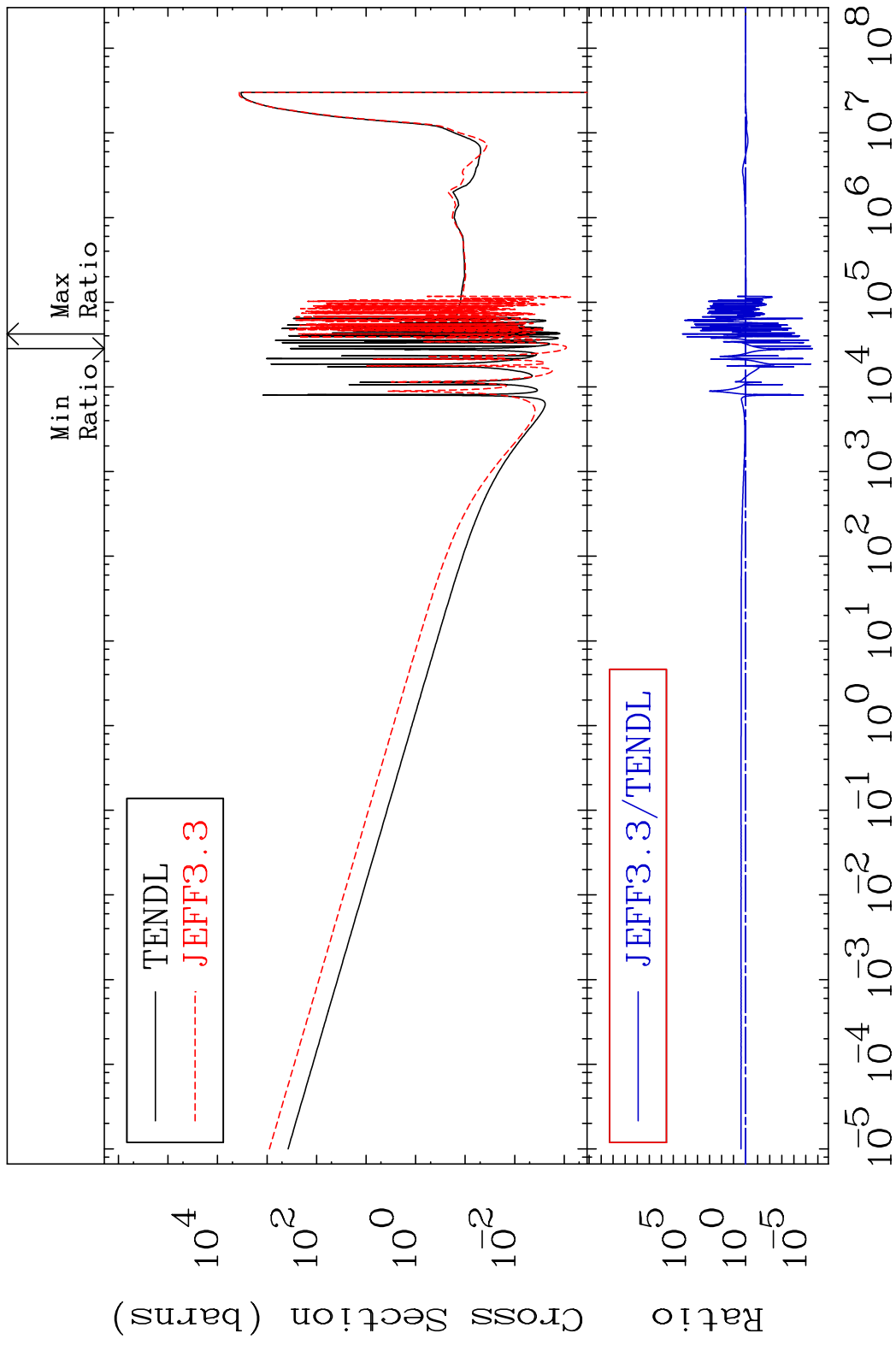
58

Incident Energy (eV)

50-Sn-126

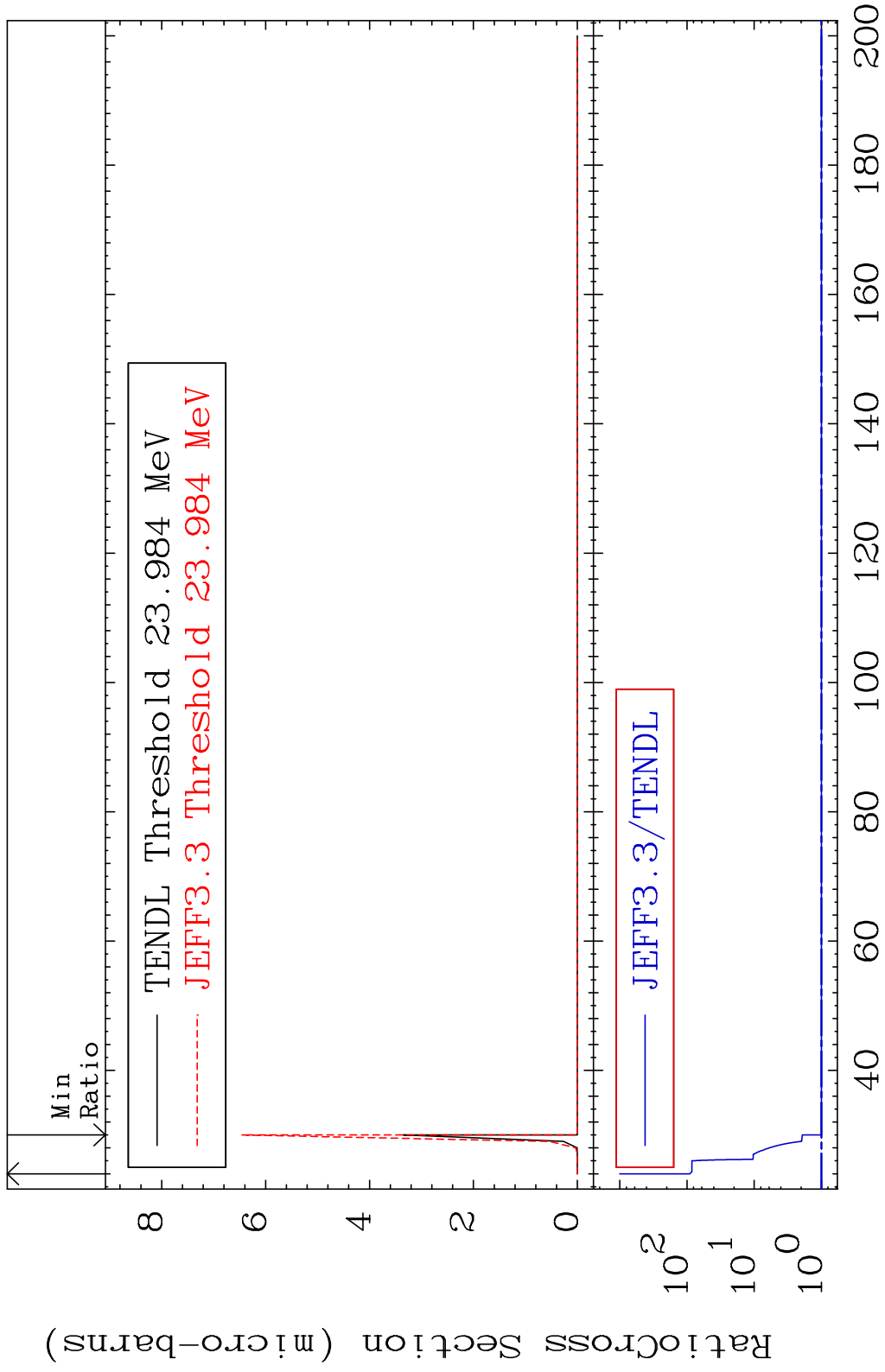


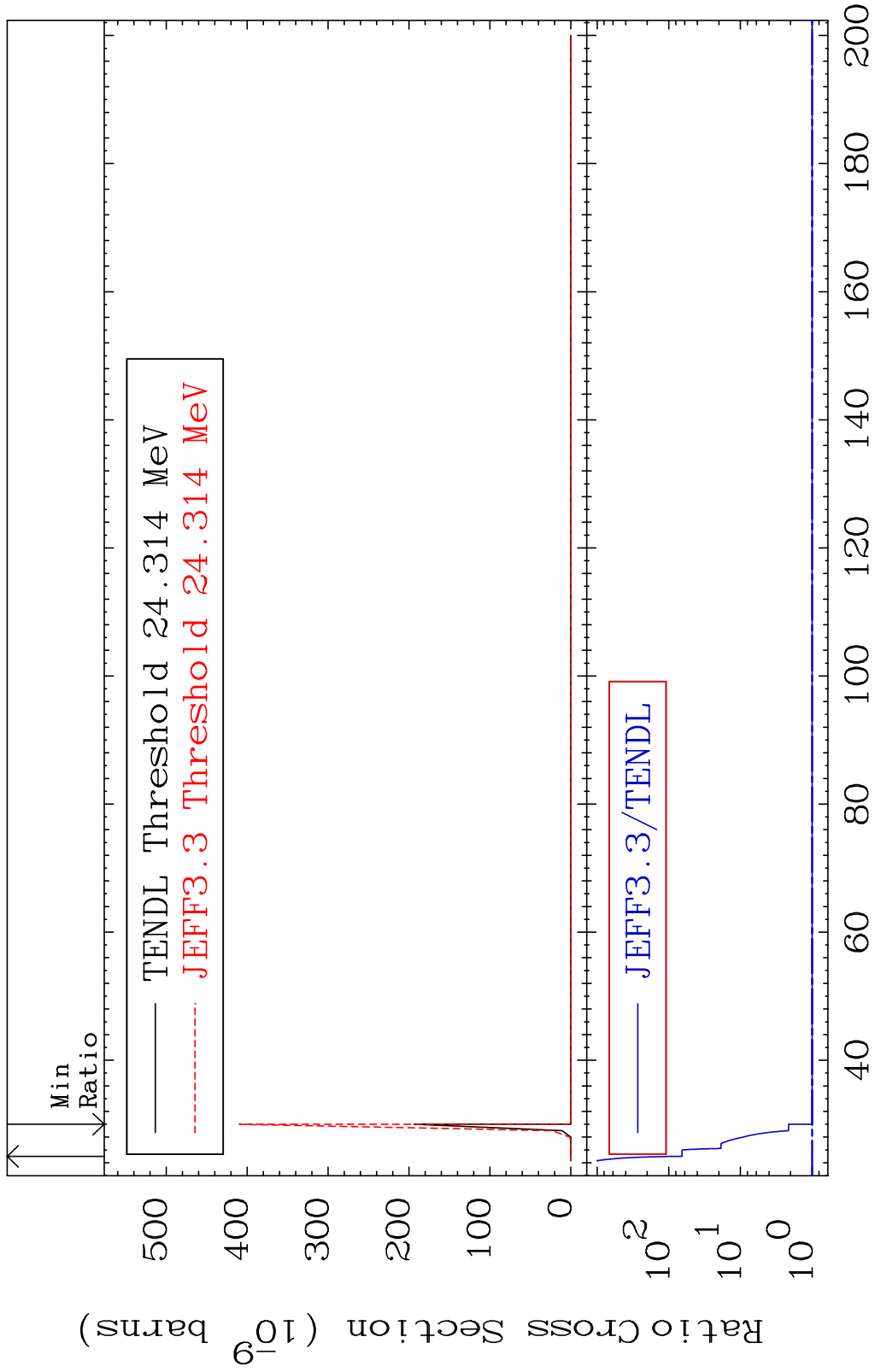
MAT 5067 Dpa disappearance (mt102 -120) 50-Sn-126  
 Cross Section -100.0 To 9999. %



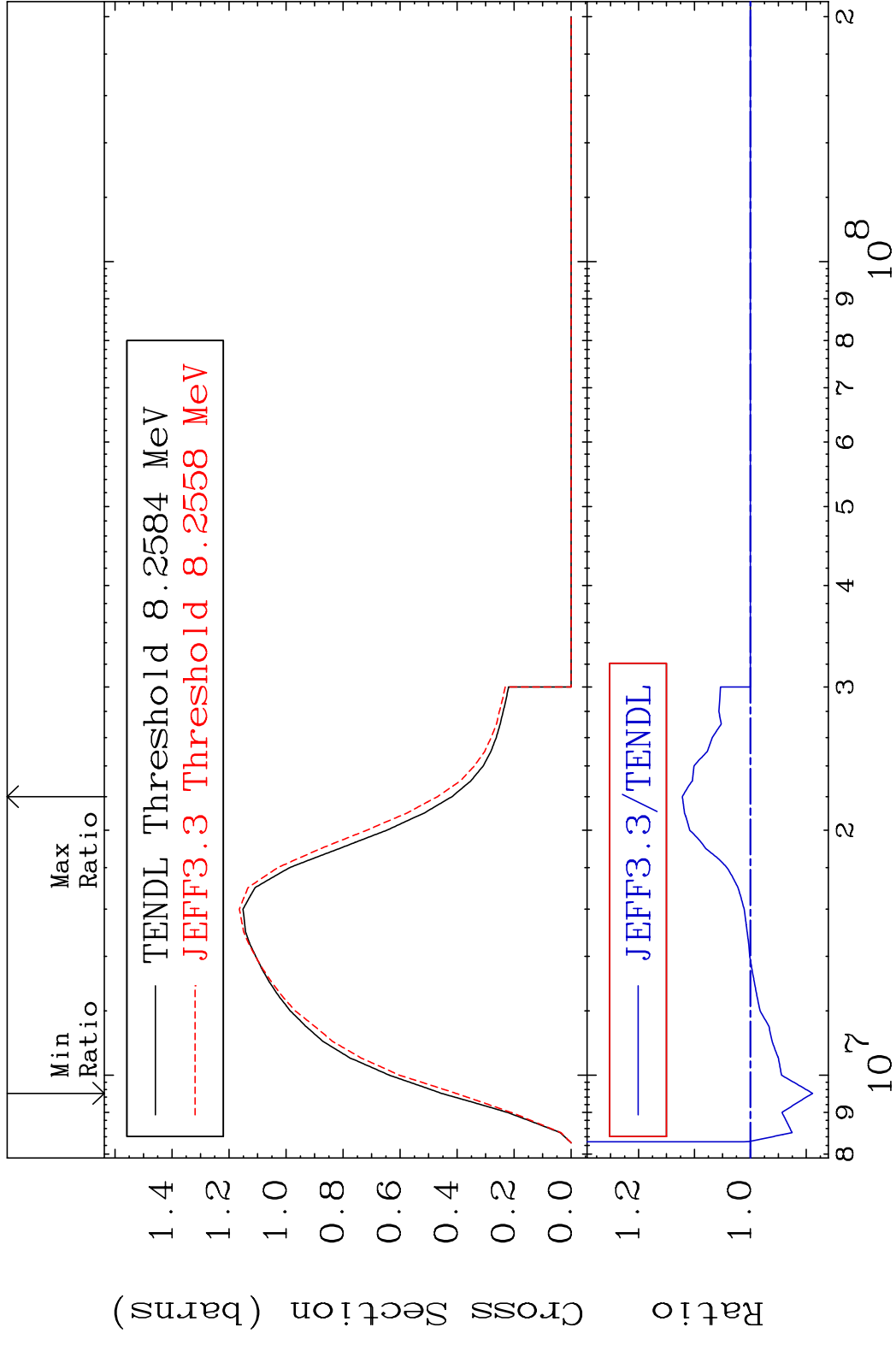
60 Incident Energy (eV) 50-Sn-126

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



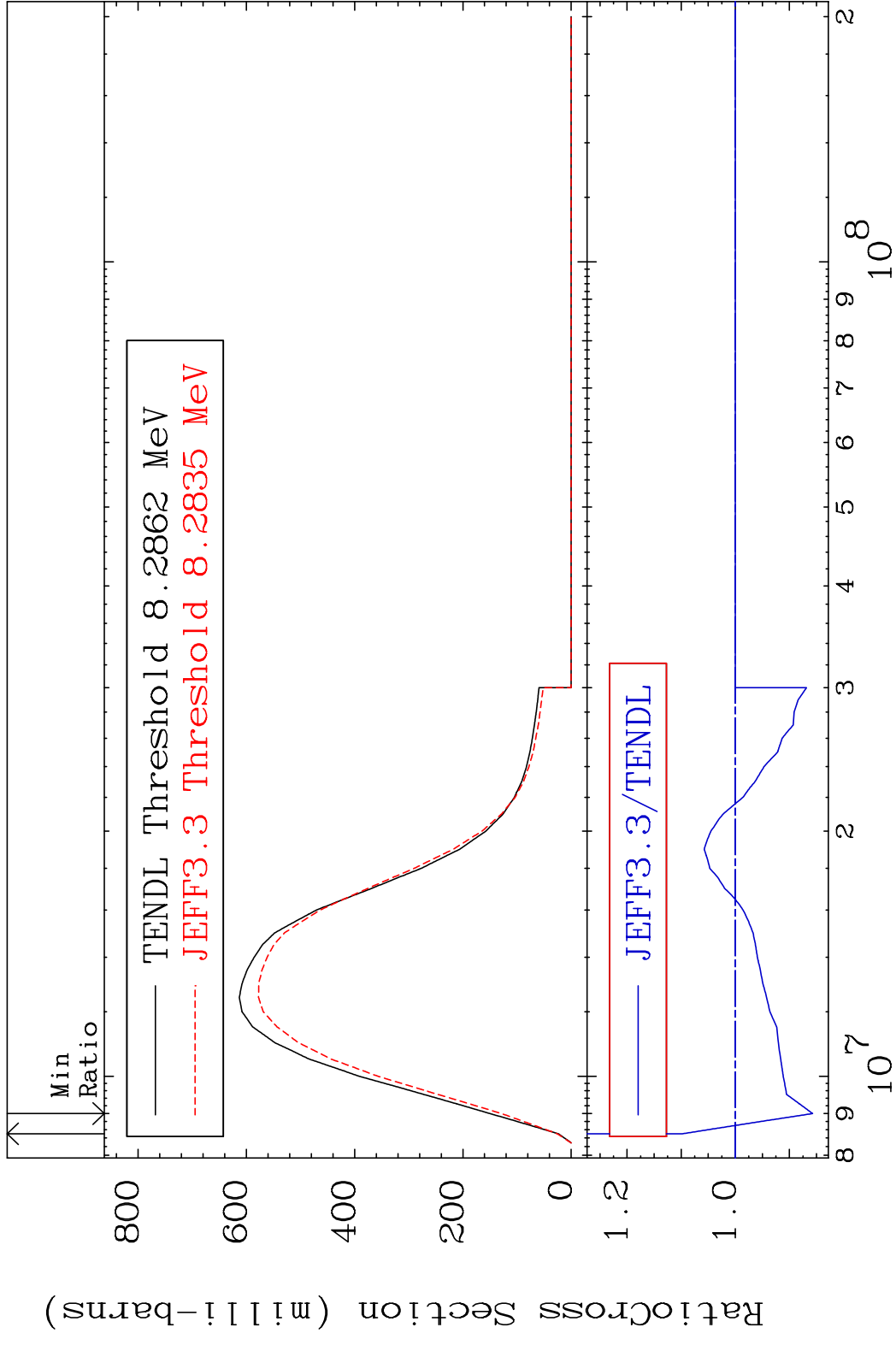


MAT 5067 (n,2n):50-Sn-125g 50-Sn-126  
 Radionuclide Production Cross Section 12.17 %



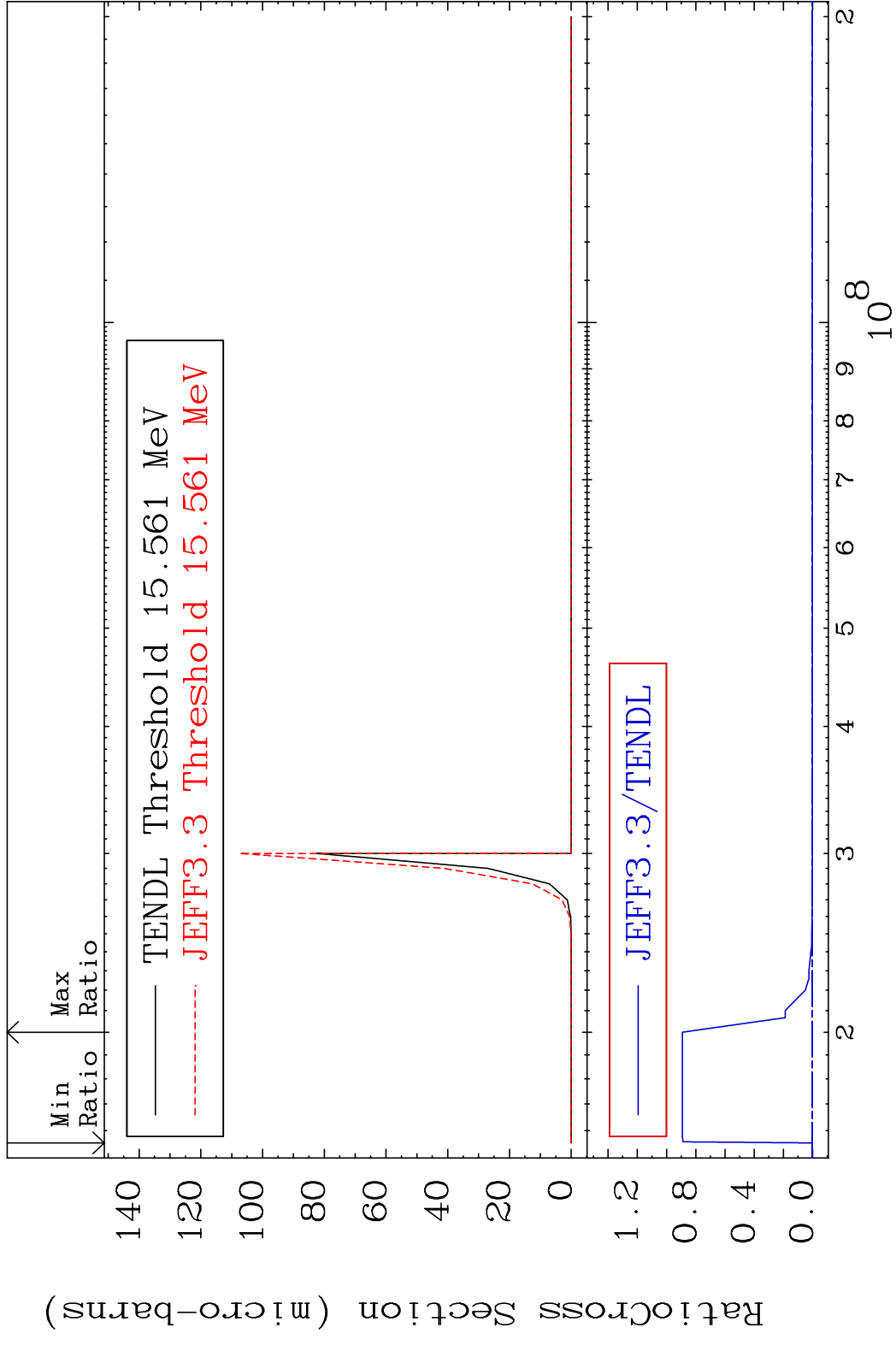


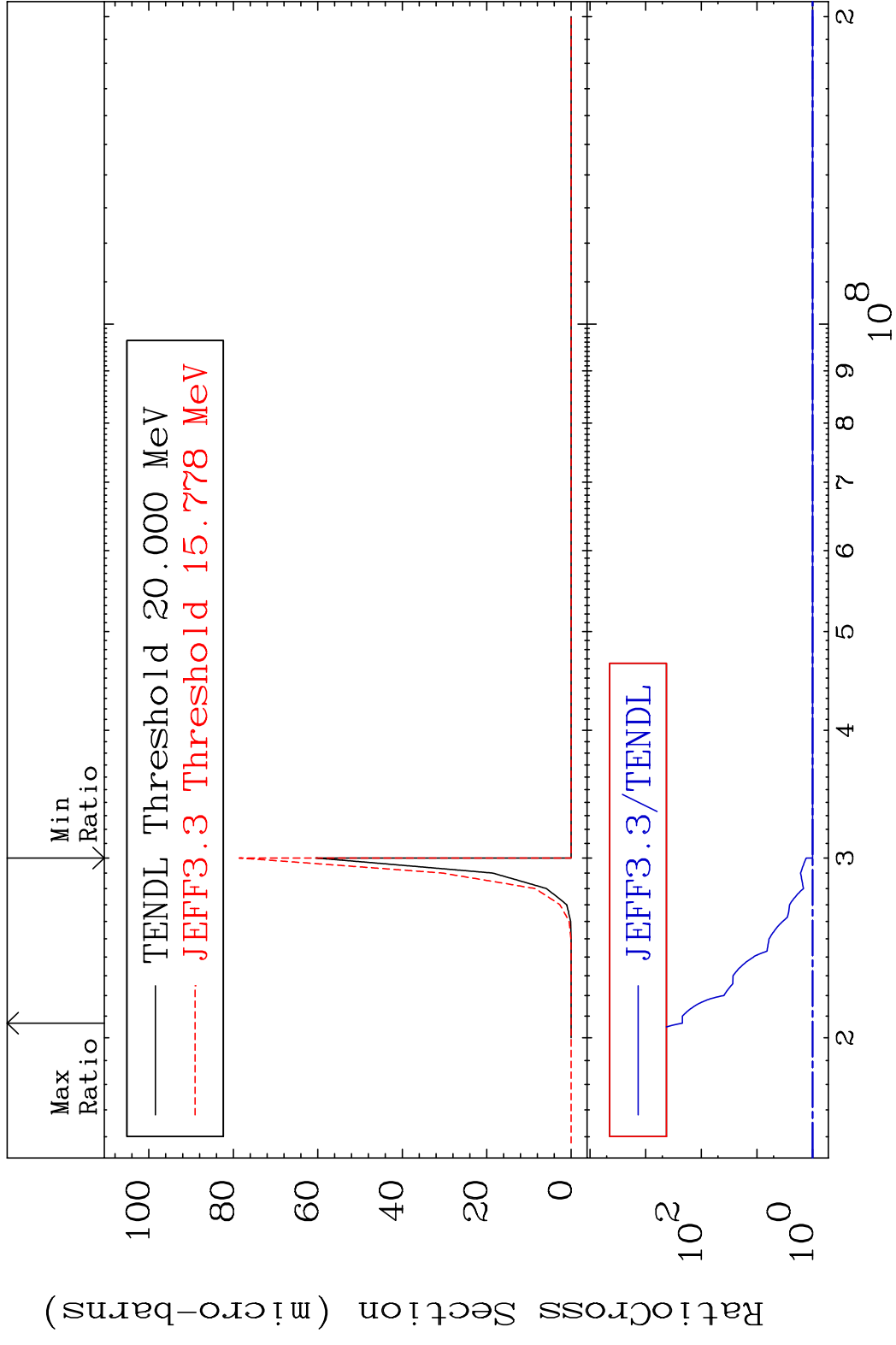
MAT 5067 (n,2n):50-Sn-125m1 50-Sn-126  
 Radionuclide Production Cross Section 9.784 %

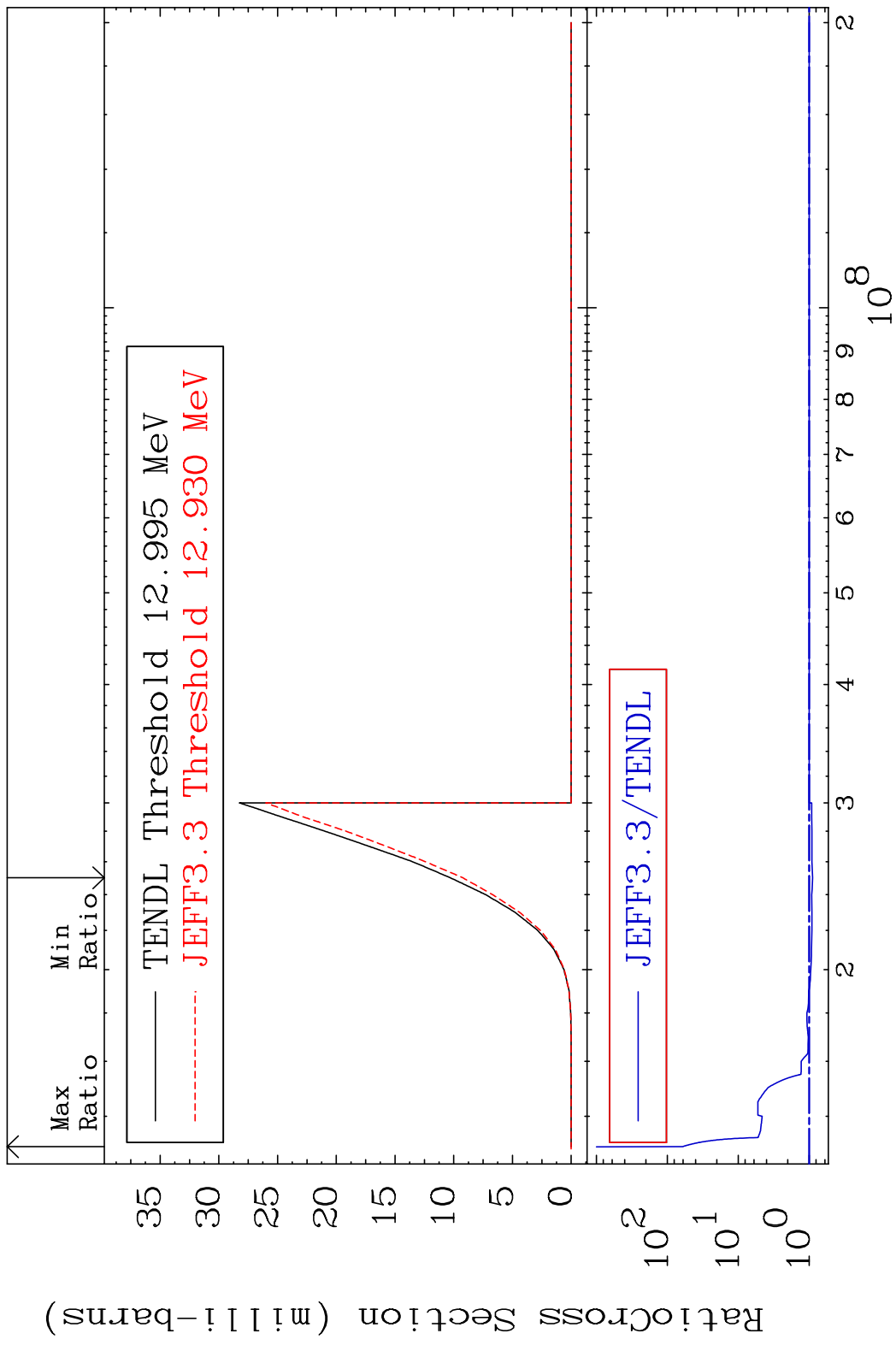


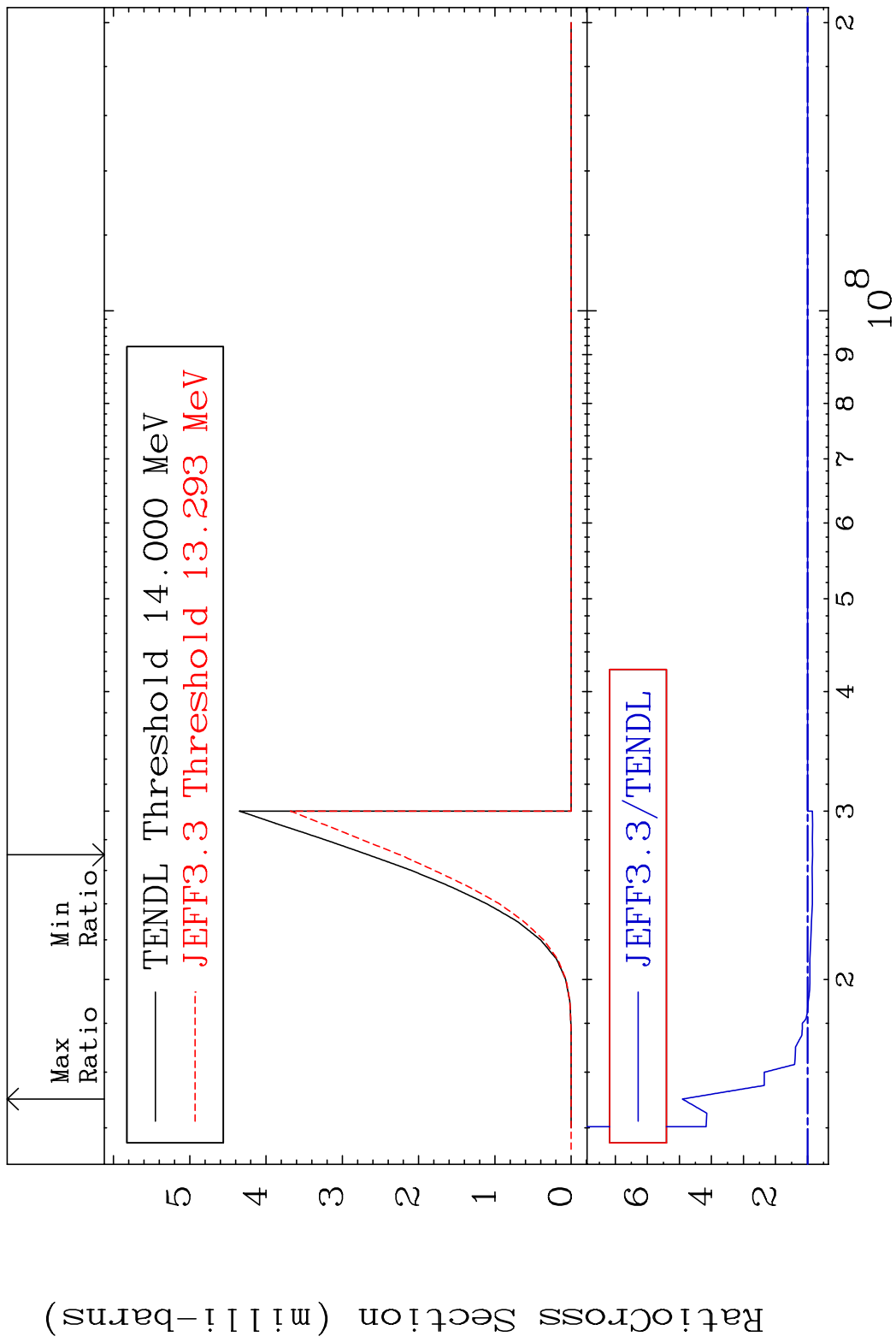
64 50-Sn-126

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

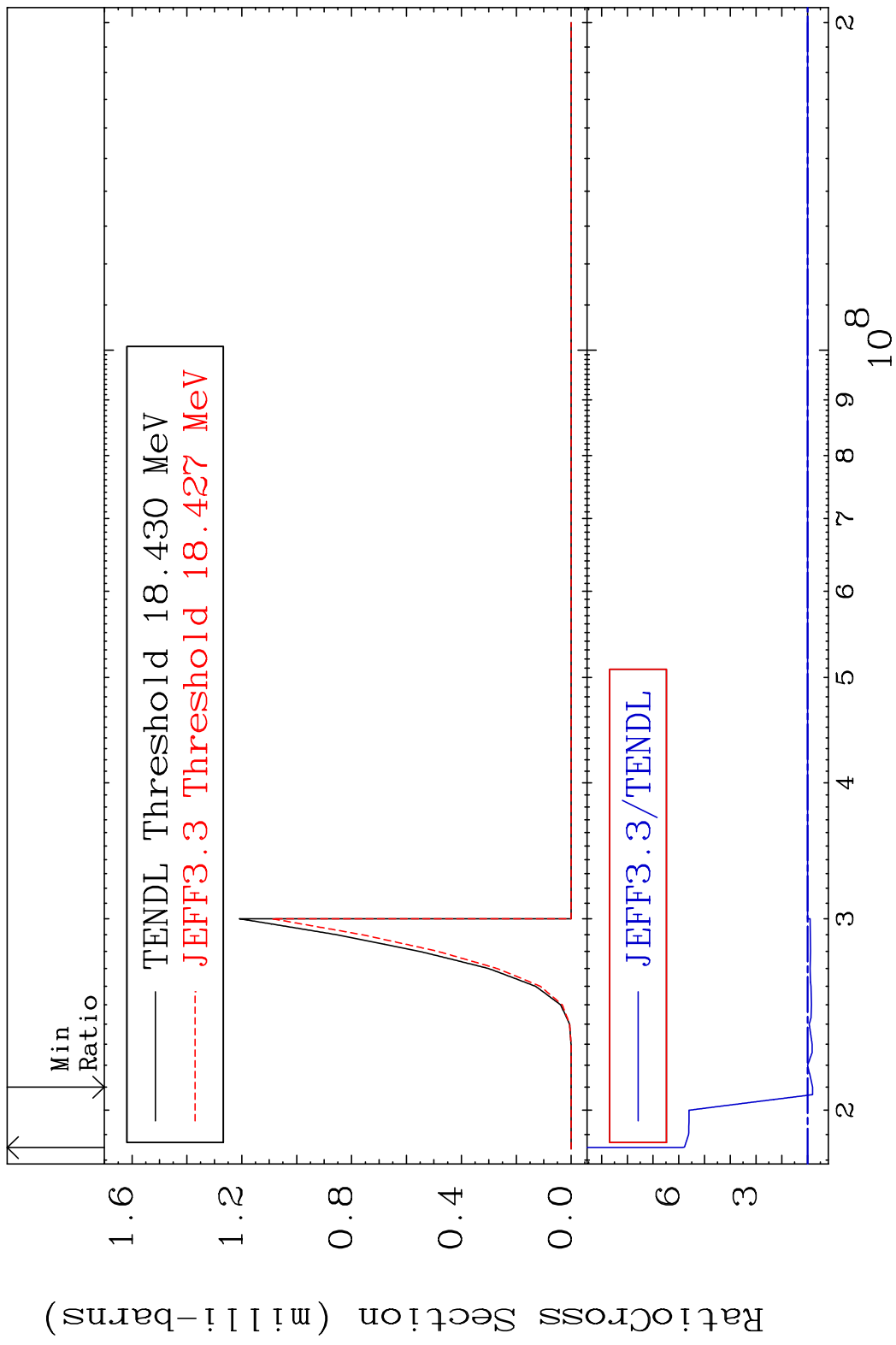


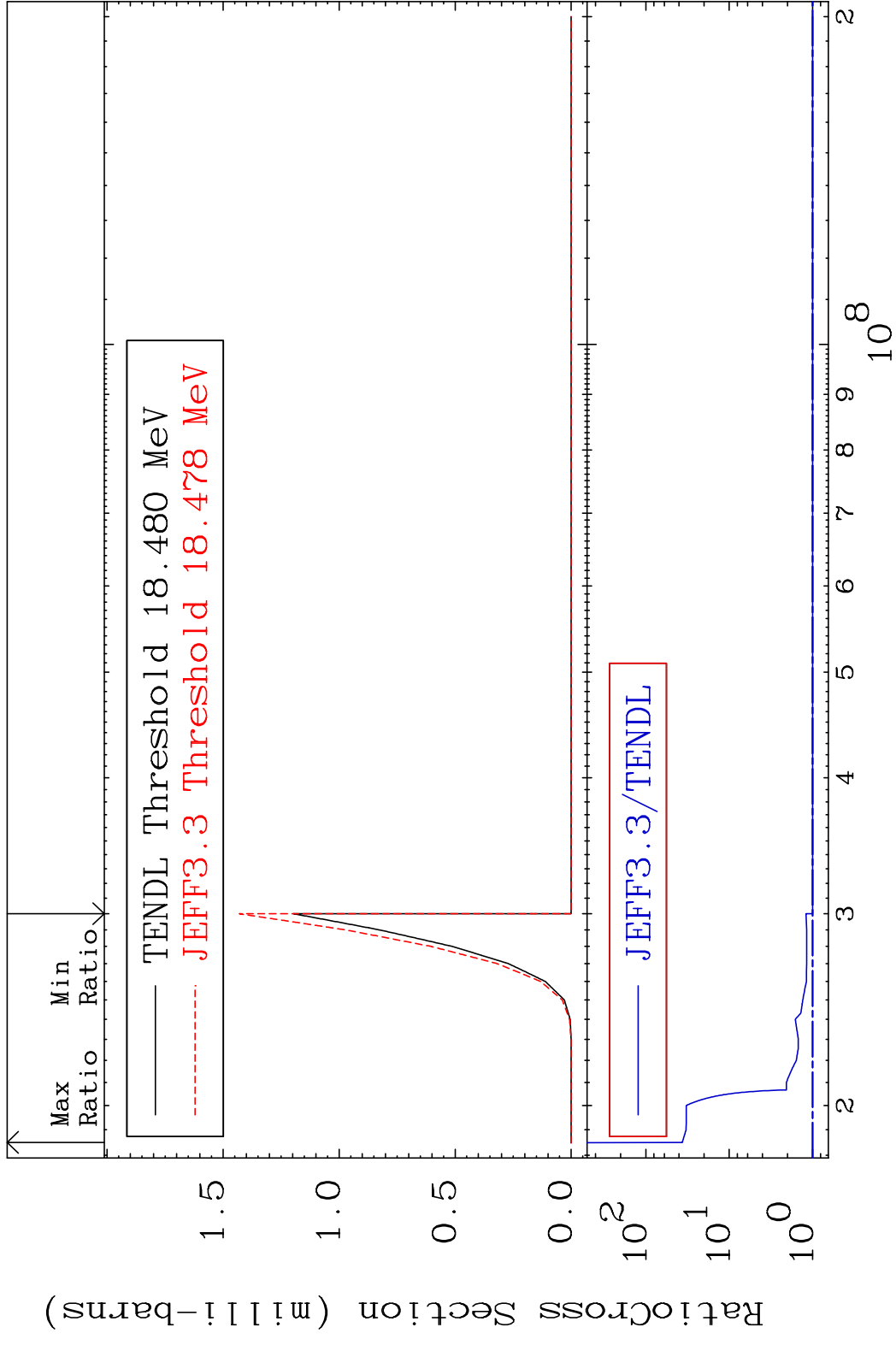


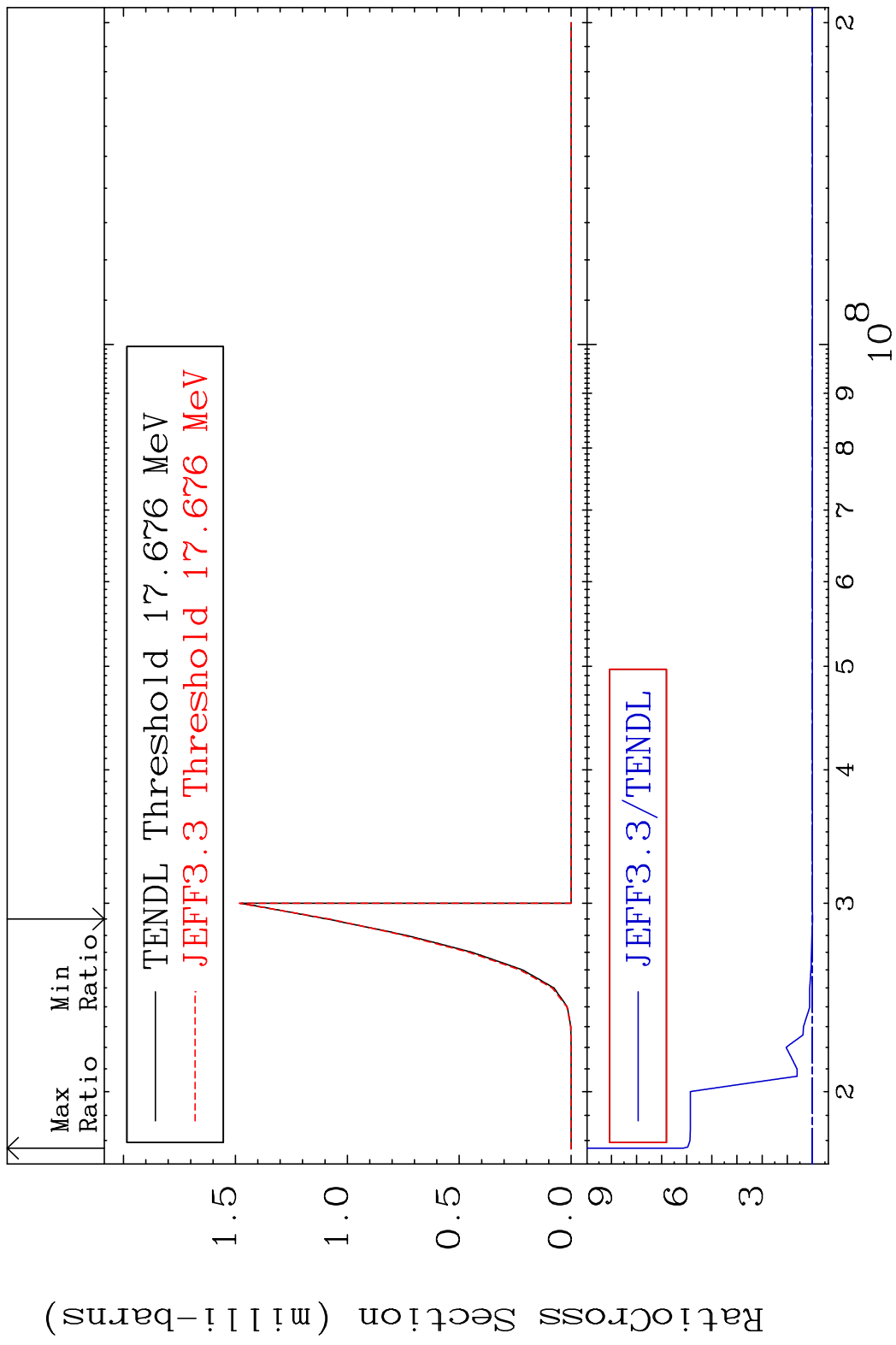




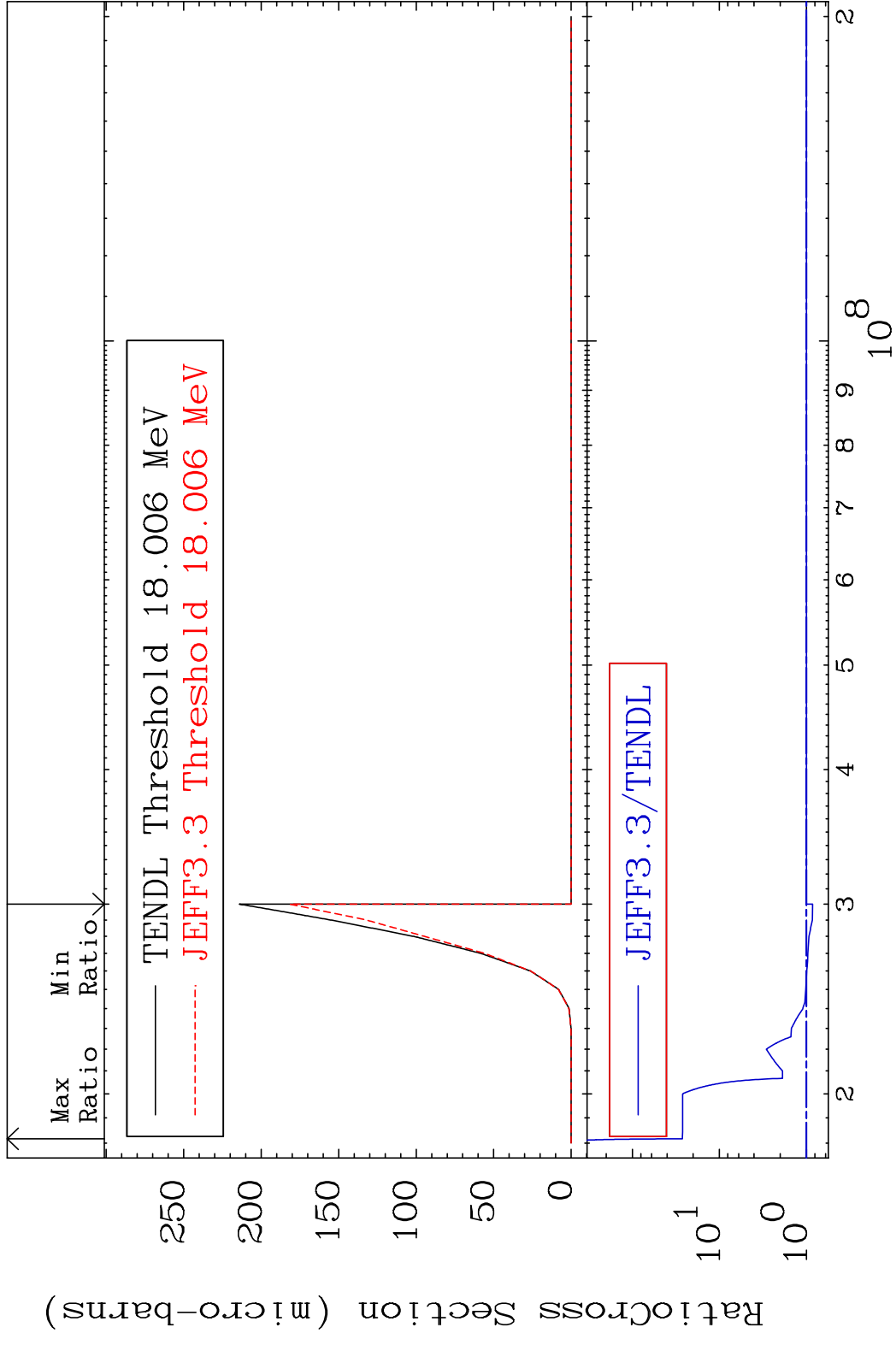
MAT 5067 (n, n') d:49-In-124g 50-Sn-126  
 Radionuclide Production Cross Section 1966 to 486.3 %



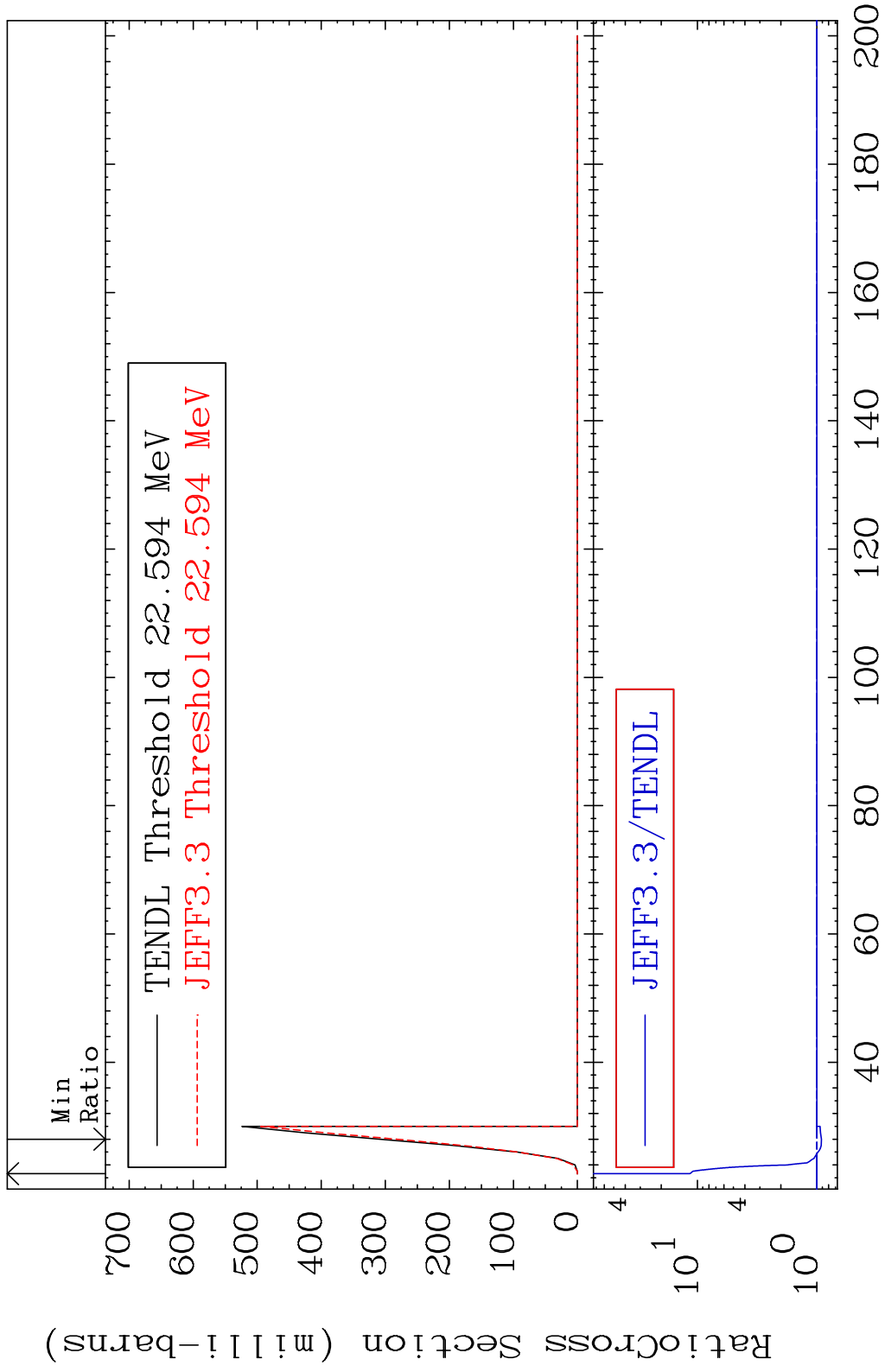




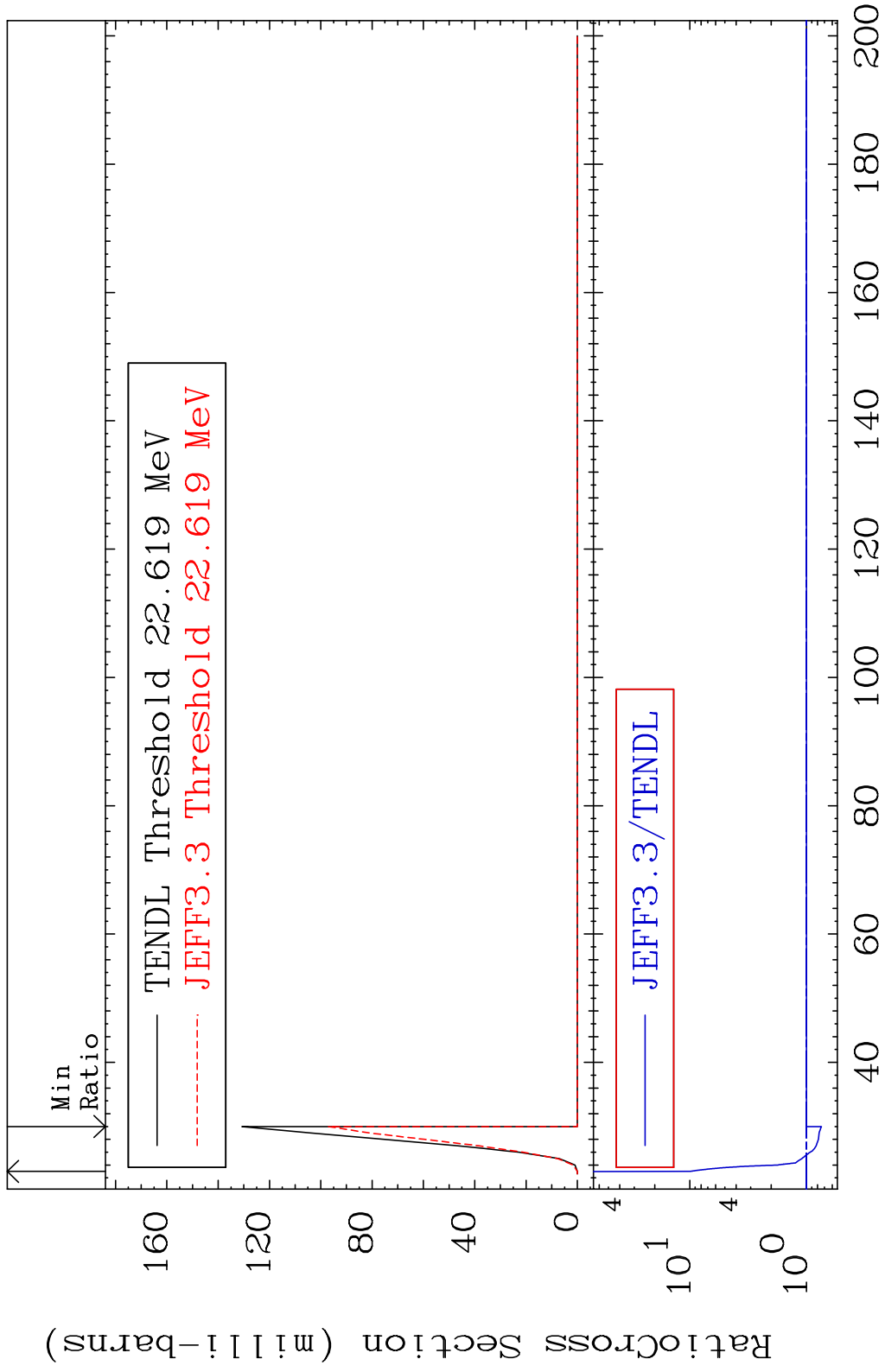




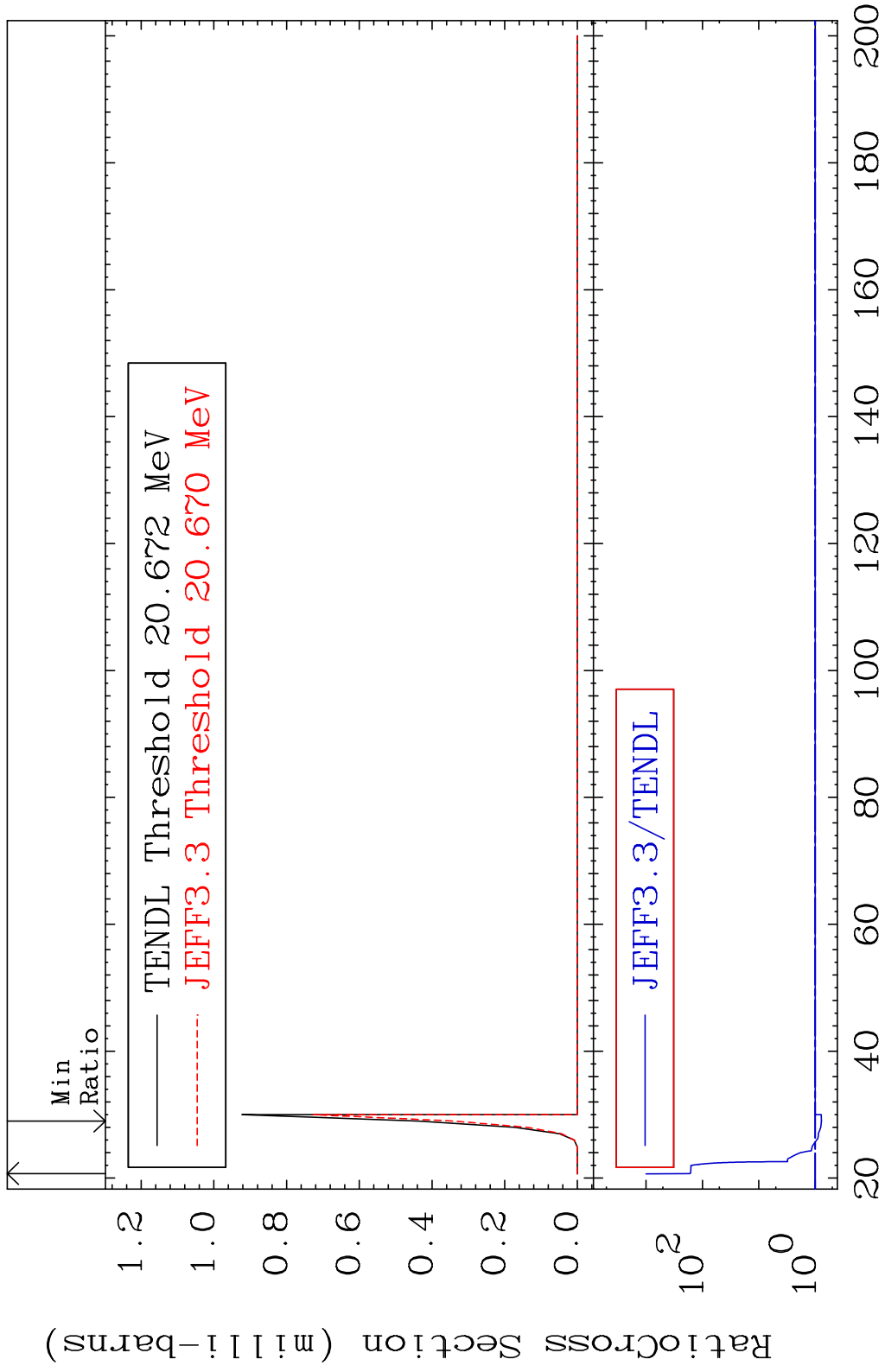
MAT 5067 (n,4n):50-Sn-123g 50-Sn-126  
 Radionuclide Production Cross Section 823410 1056. %



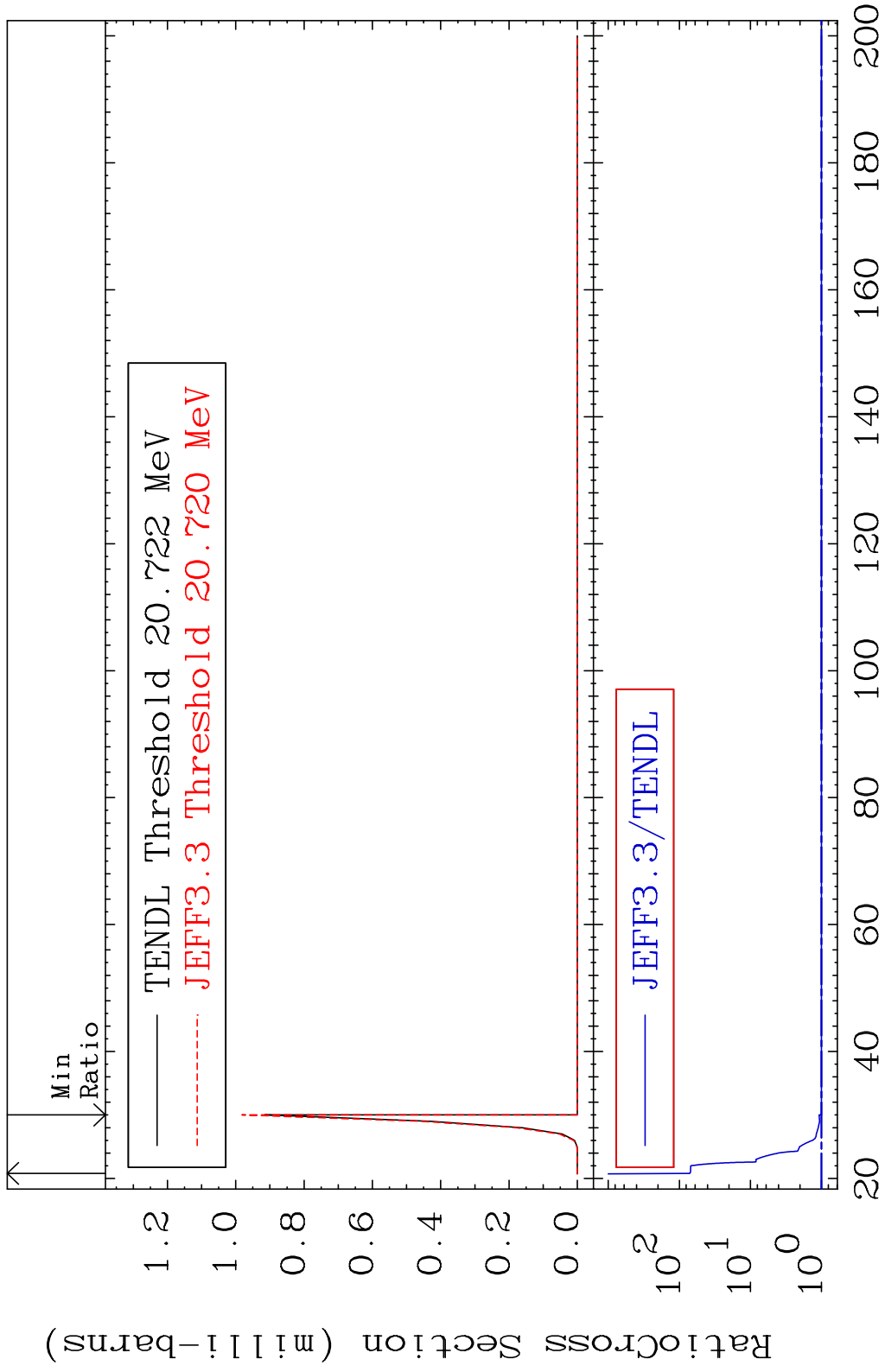
MAT 5067 (n, 4n):50-Sn-123m1 50-Sn-126  
 Radionuclide Production Cross Section 901.0 %



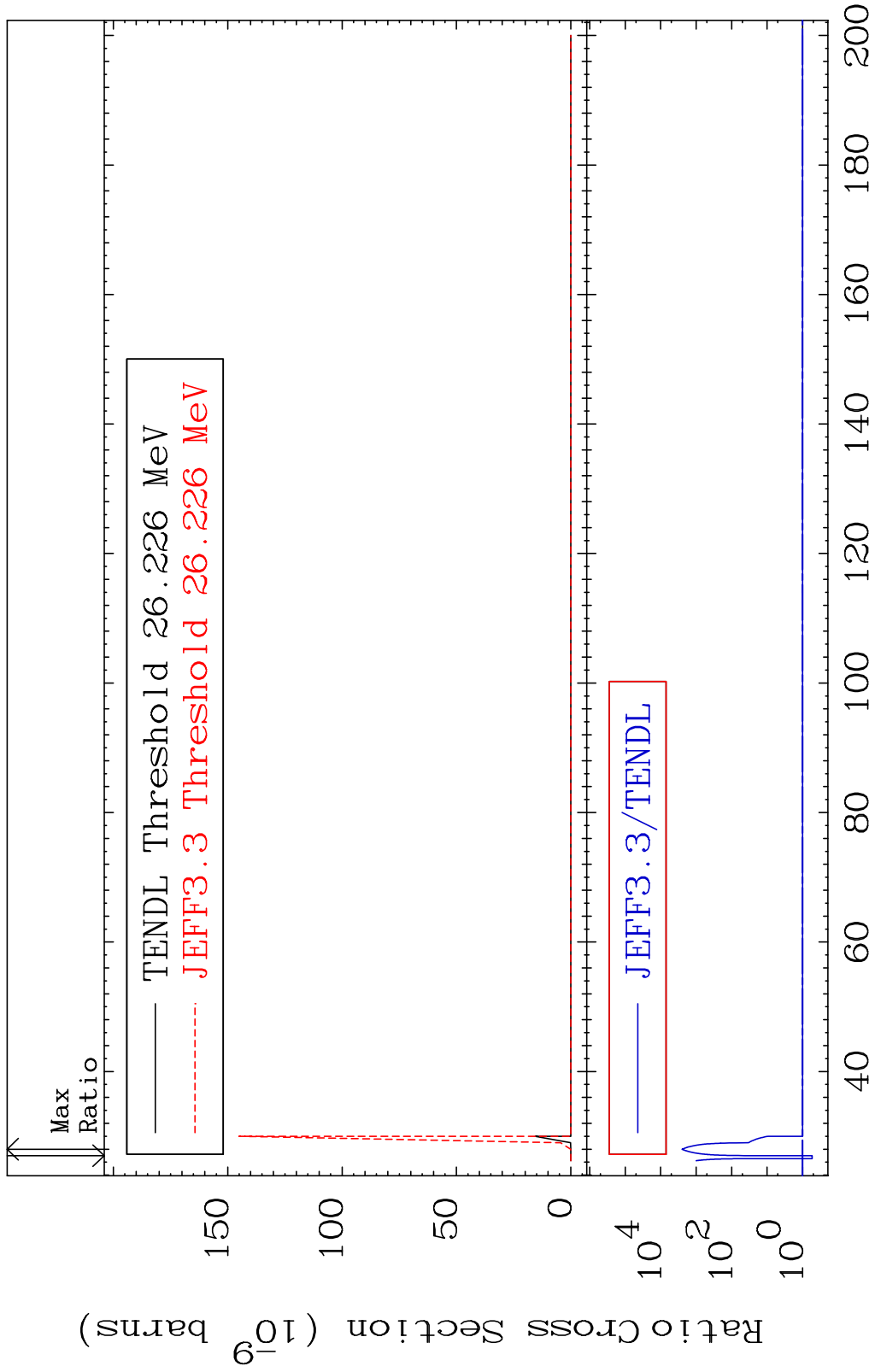
MAT 5067 (n,2n) p:49-In-124g 50-Sn-126  
 Radionuclide Production Cross Section 9999. %

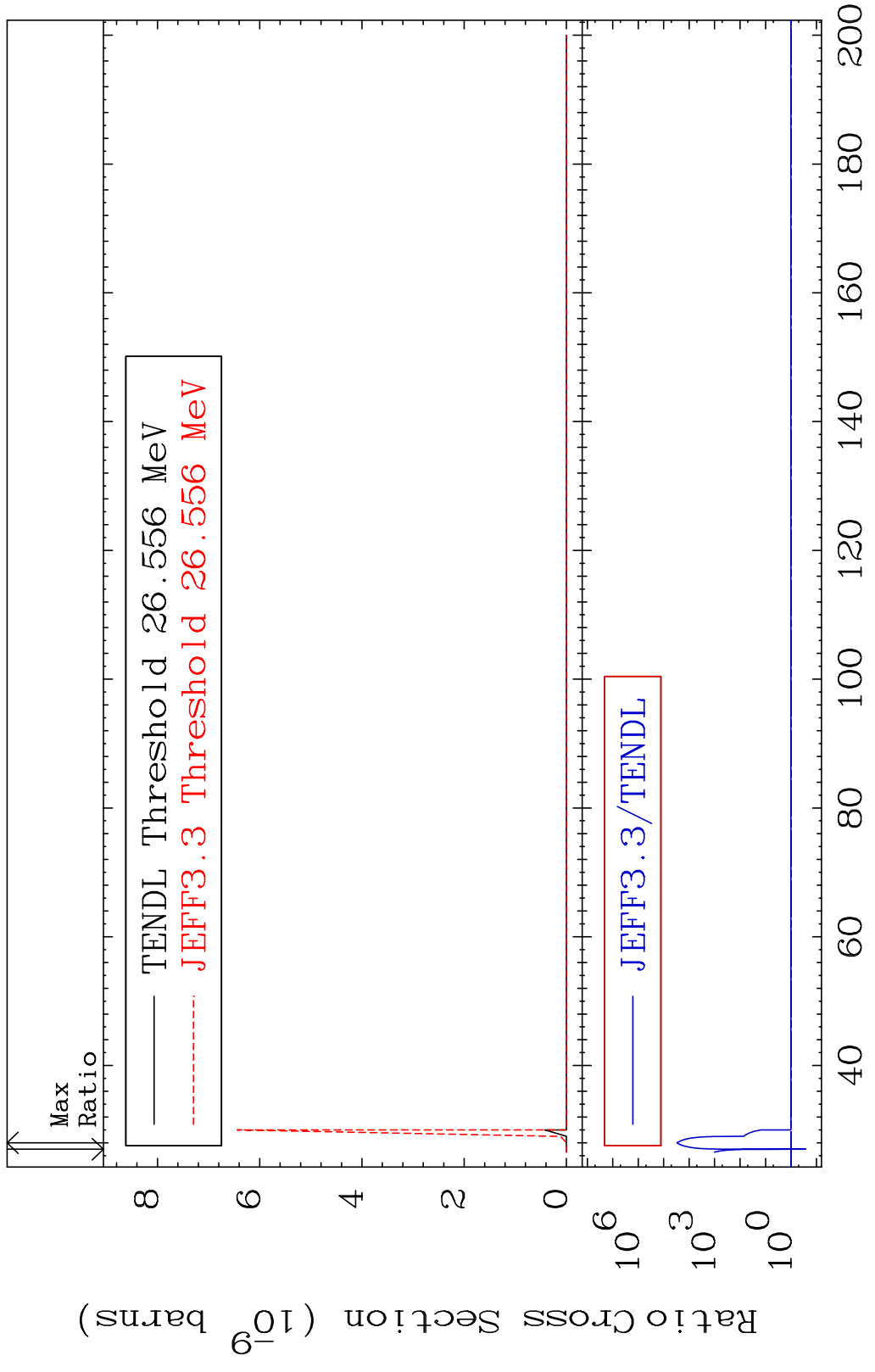


75 Incident Energy (MeV) 50-Sn-126

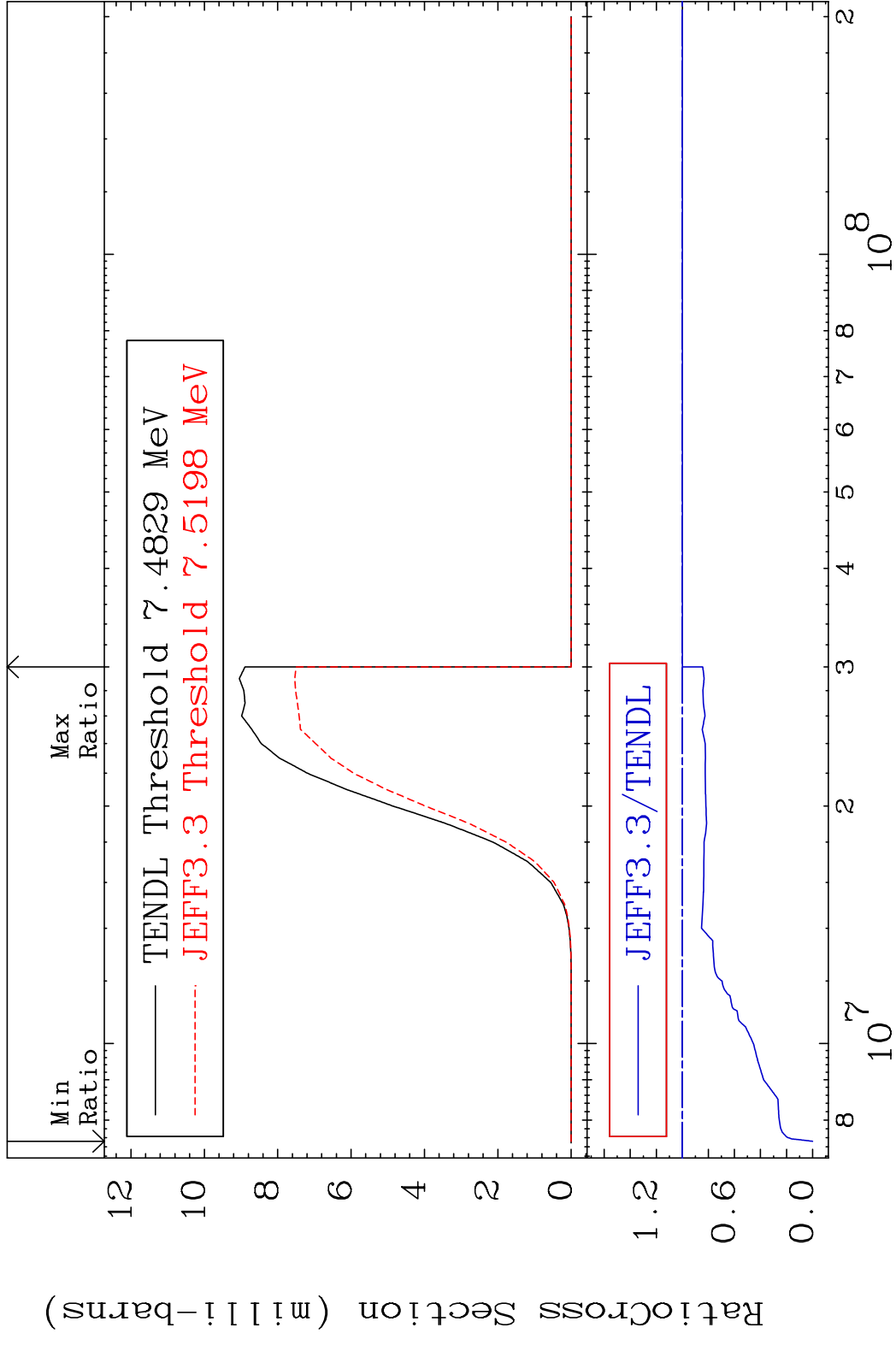


MAT 5067 (n,3n) p:49-In-123g 50-Sn-126  
 Radionuclide Production Cross Section 48.061 d to 9999. %





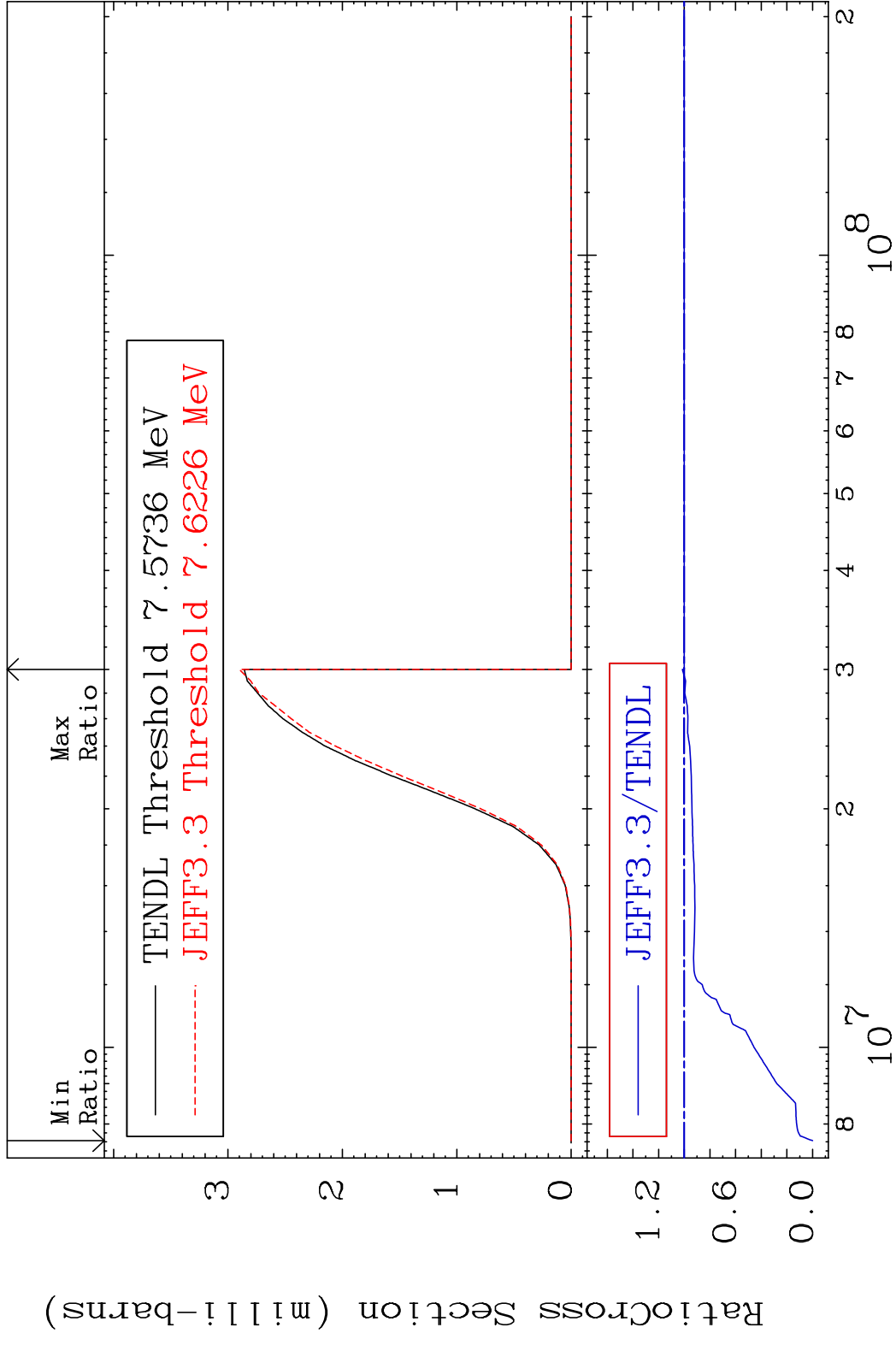
MAT 5067 (n,p):49-In-126 50-Sn-126  
 Radionuclide Production Cross Section 180.01 dth 0.000 %



79 Incident Energy (eV) 50-Sn-126

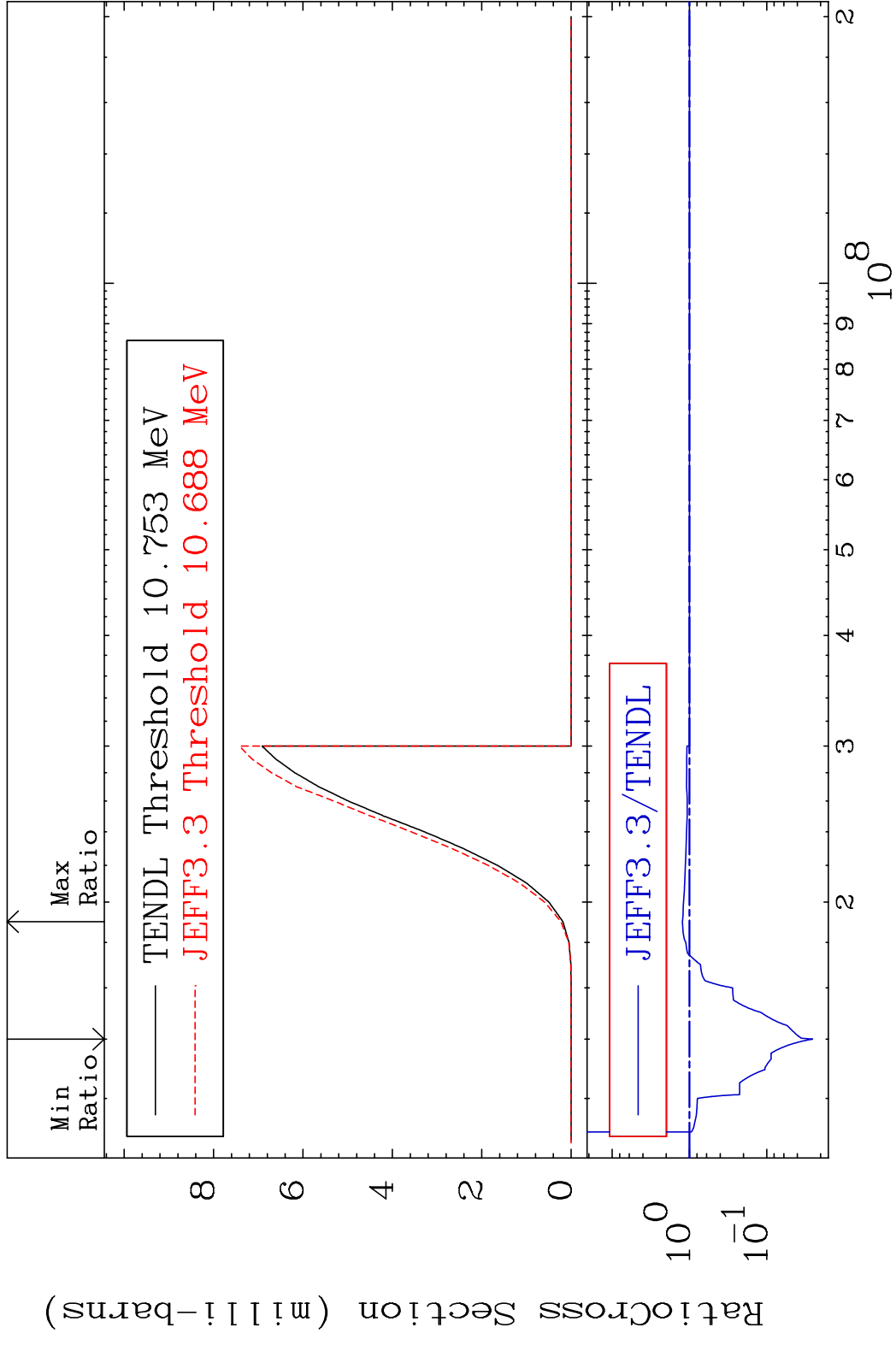


MAT 5067 (n, p): 49-In-126m1 50-Sn-126  
 Radionuclide Production Cross Section Ratio 1.488 %

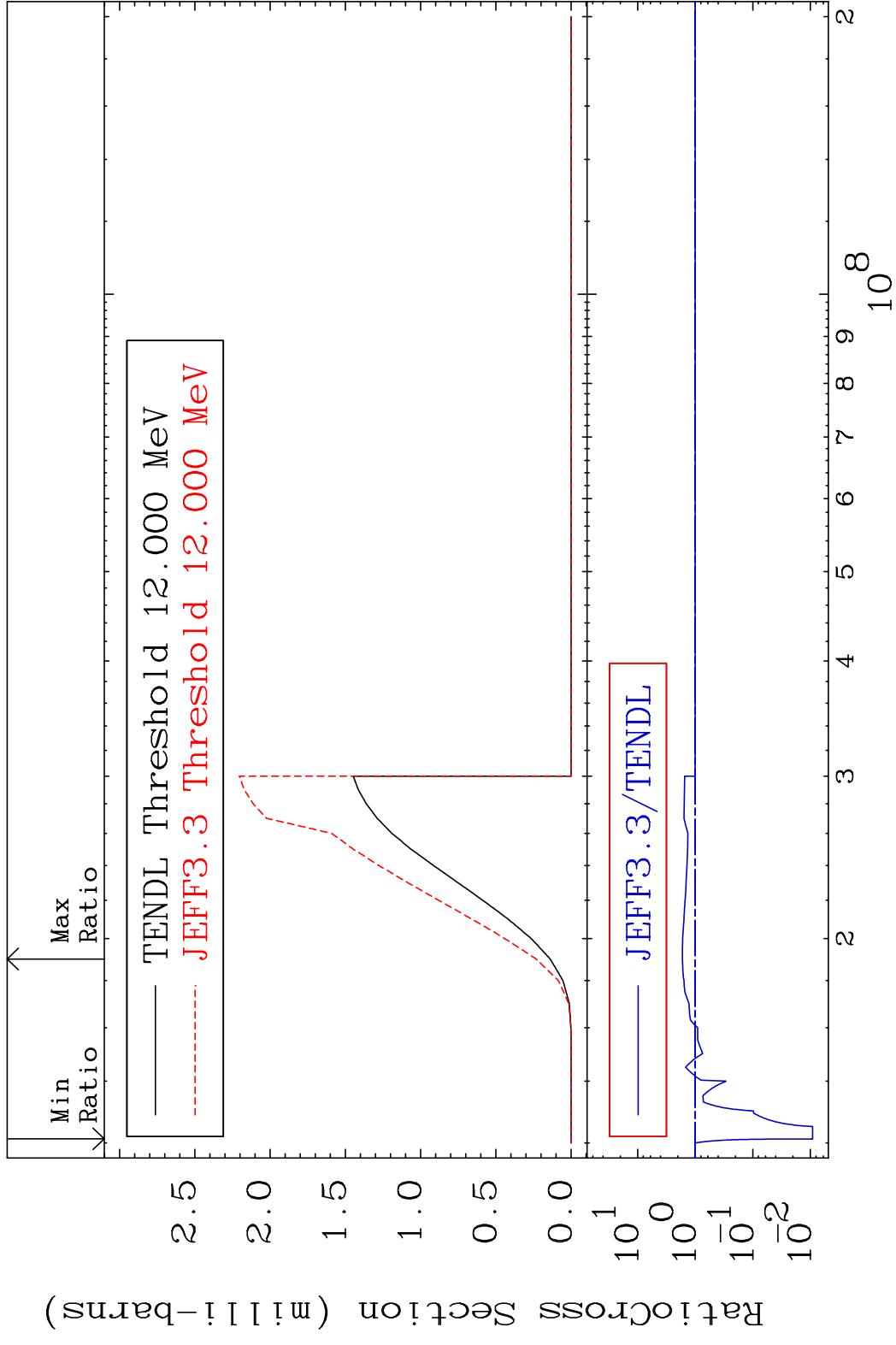


80 Incident Energy (eV) 50-Sn-126

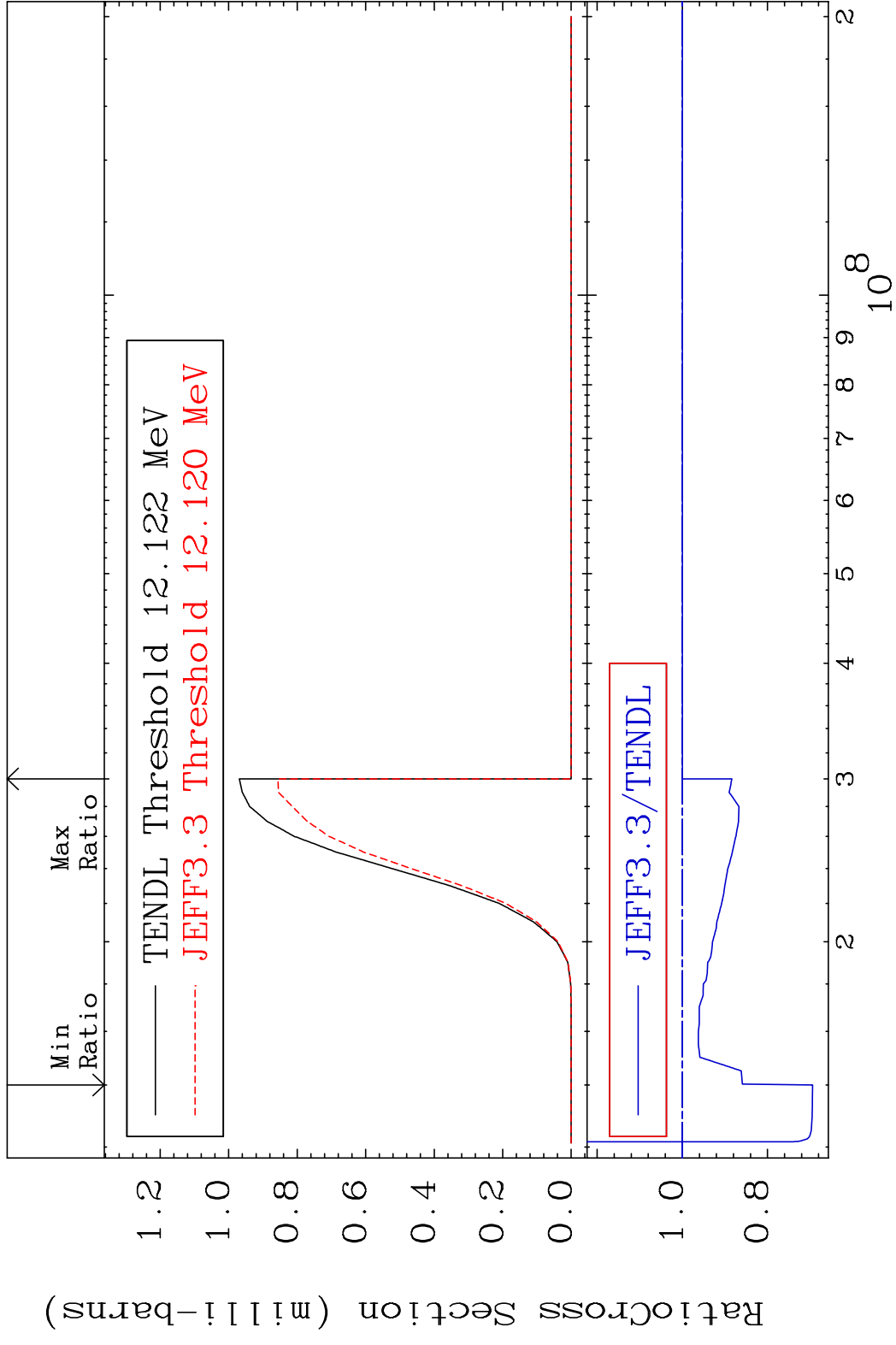
MAT 5067 (n,d):49-In-125g 50-Sn-126  
 Radionuclide Production Cross Section 23.30 %



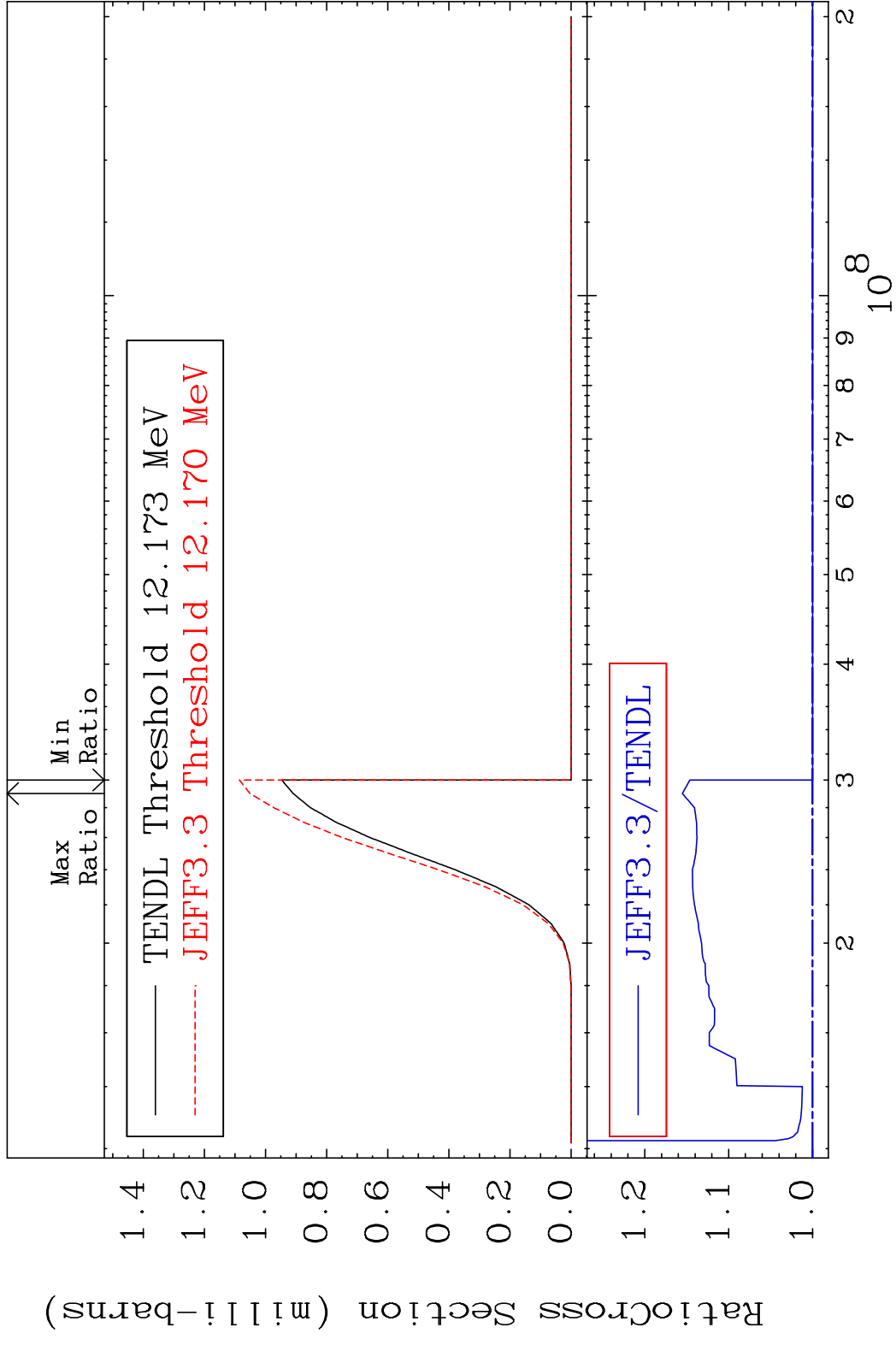
MAT 5067 (n, d): 49-In-125m1 50-Sn-126  
 Radionuclide Production Cross Section 67.23 %



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 %  
 100.00 %

