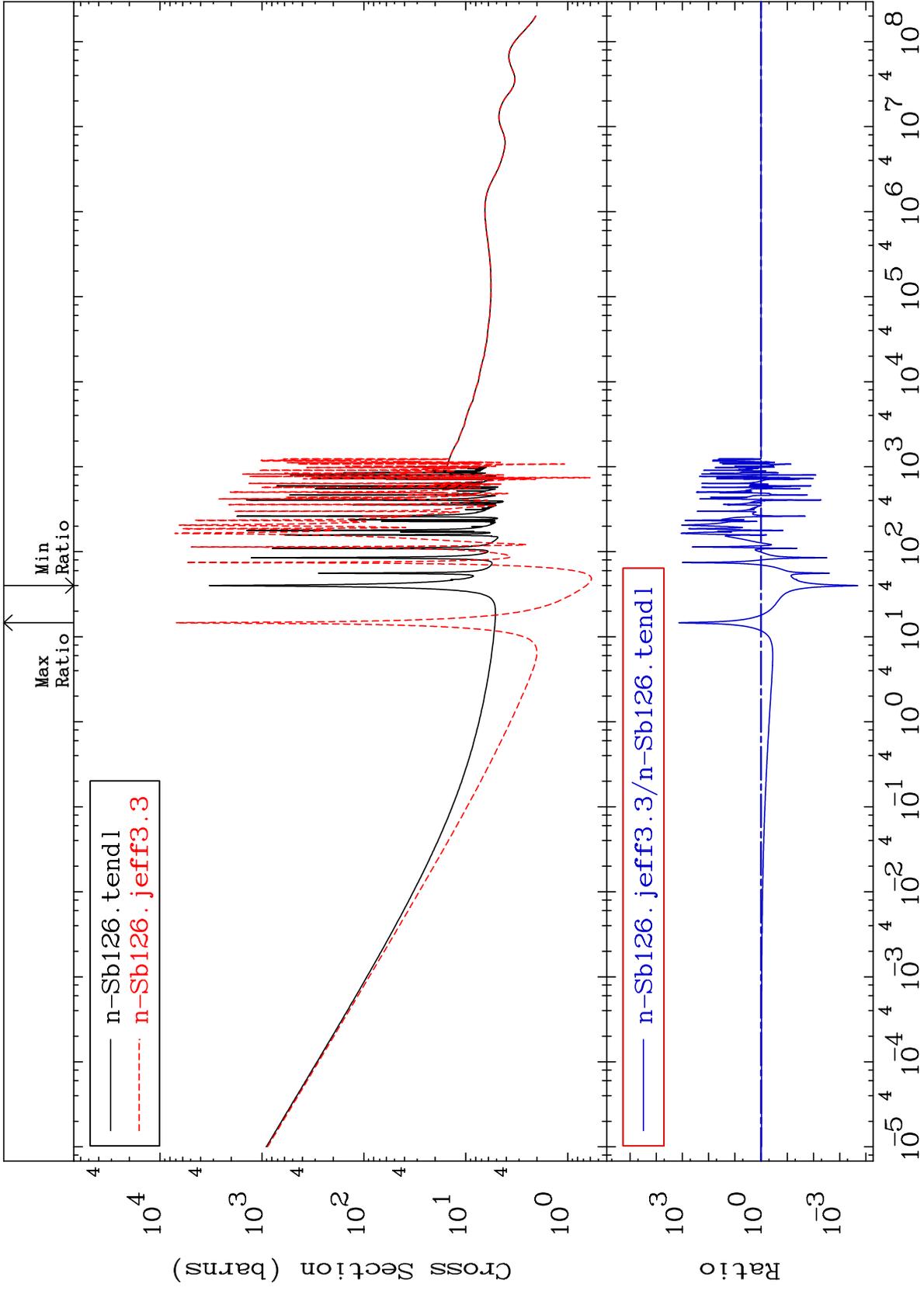


MAT 5140

Total
Cross Section

51-Sb-126
-99.98 To 9999. %

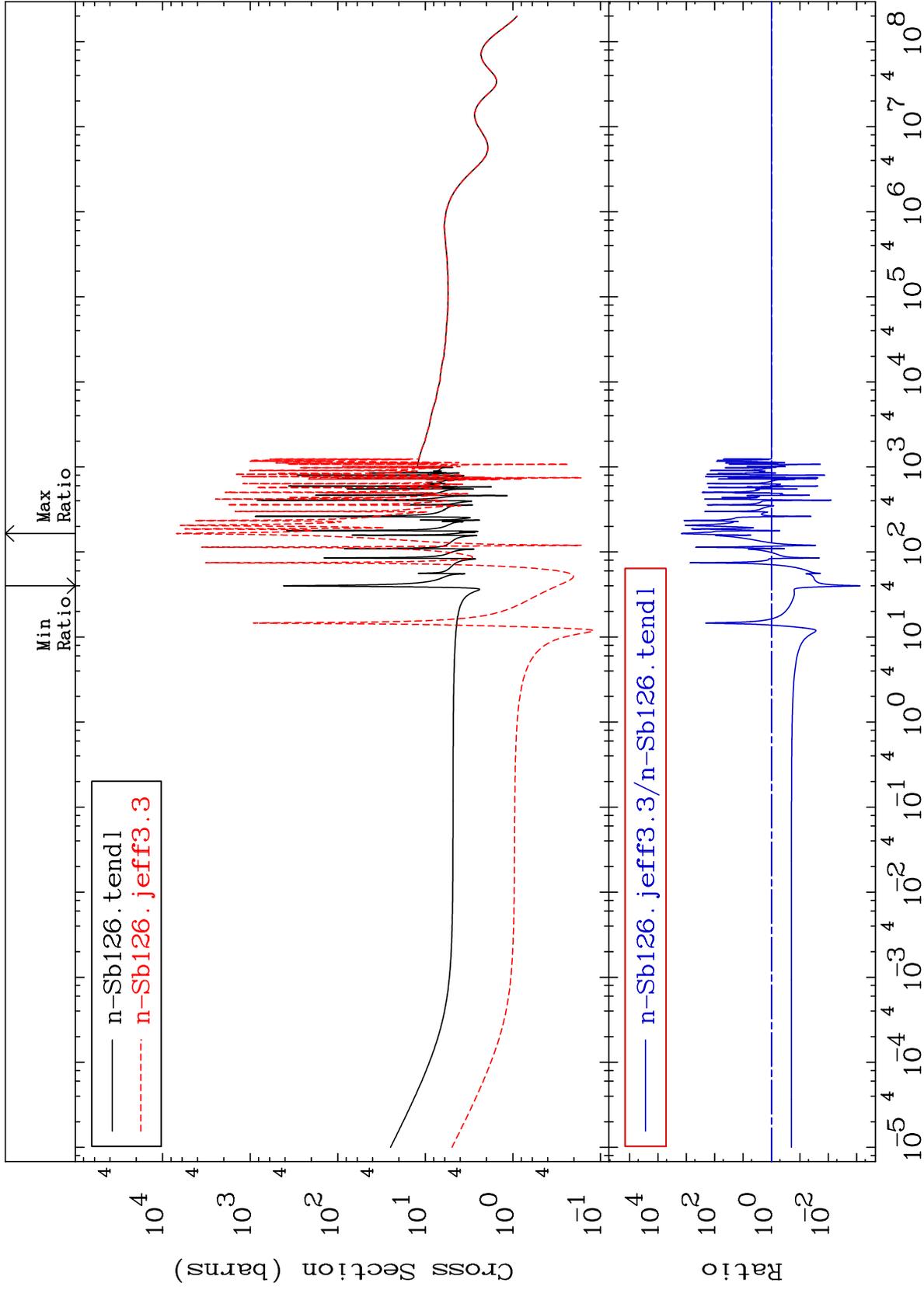


Incident Energy (eV)

51-Sb-126

MAT 5140

Elastic Cross Section
51-Sb-126
-99.93 To 9999. %



51-Sb-126

Incident Energy (eV)

2

MAT 5140

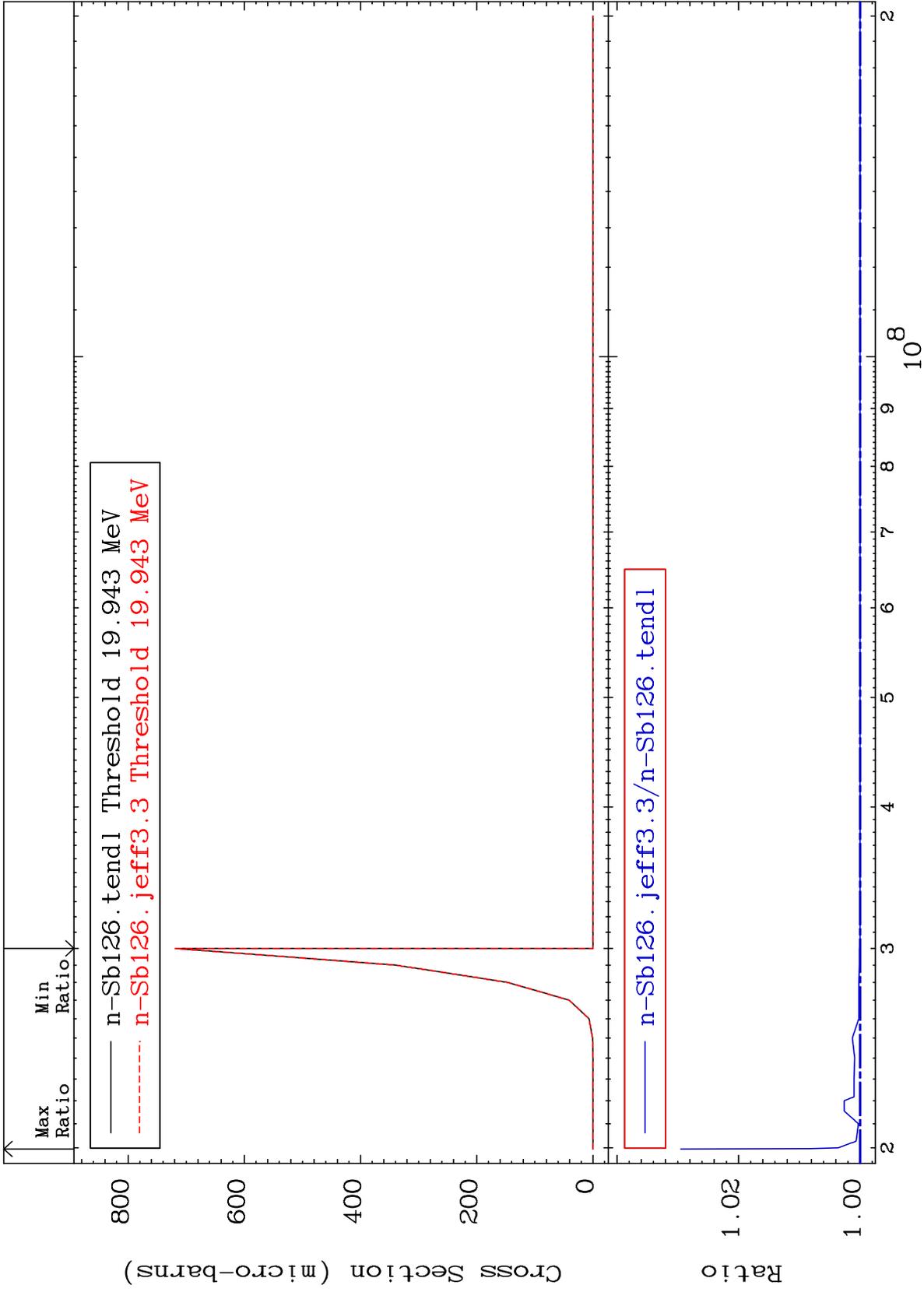
(n,2n) d

51-Sb-126

Cross Section

0.000

To 2.950 %



3

Incident Energy (eV)

51-Sb-126

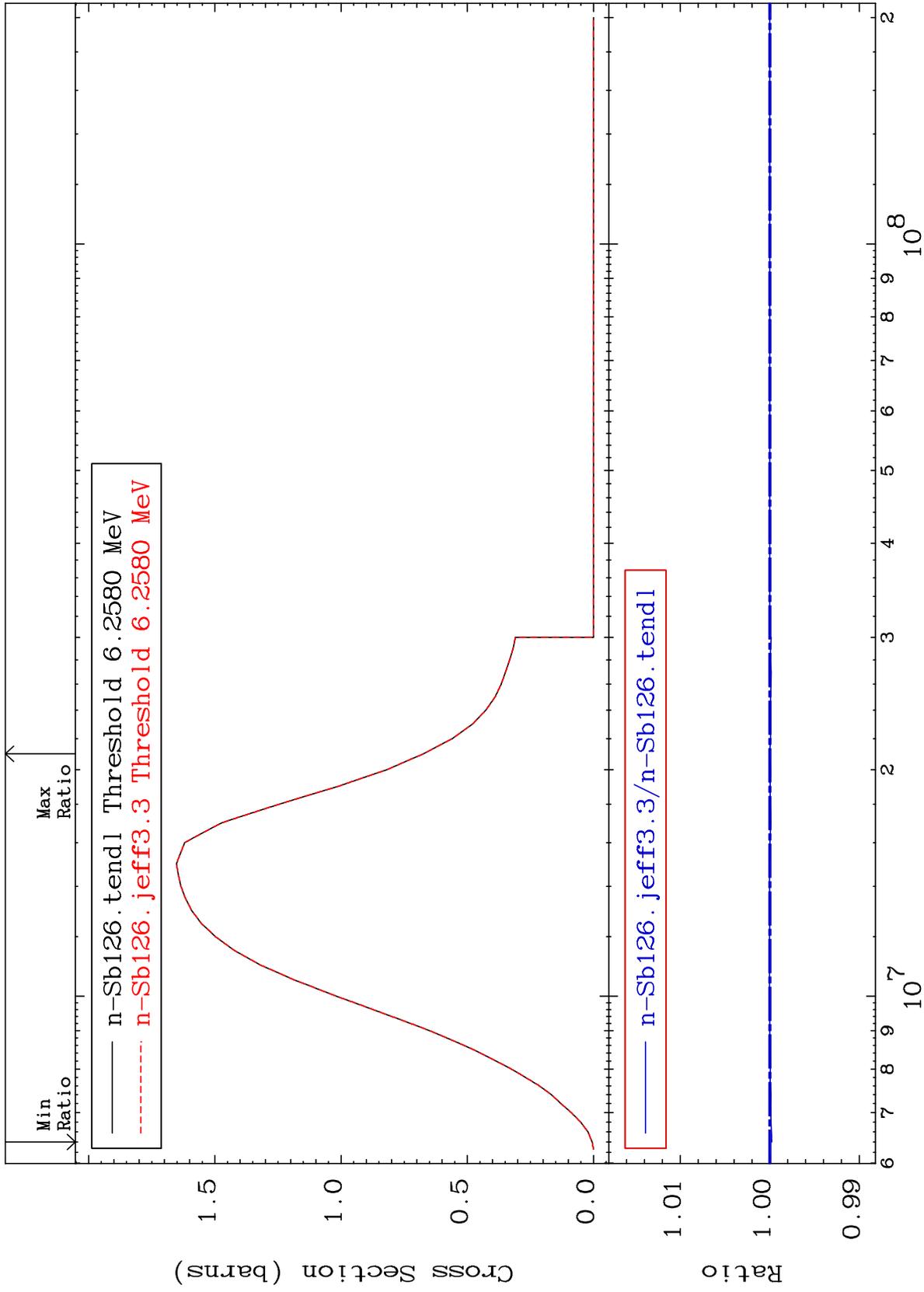
MAT 5140

(n,2n)

51-Sb-126

Cross Section

-0.023 To 0.004 %



Incident Energy (eV)

51-Sb-126

4

MAT 5140

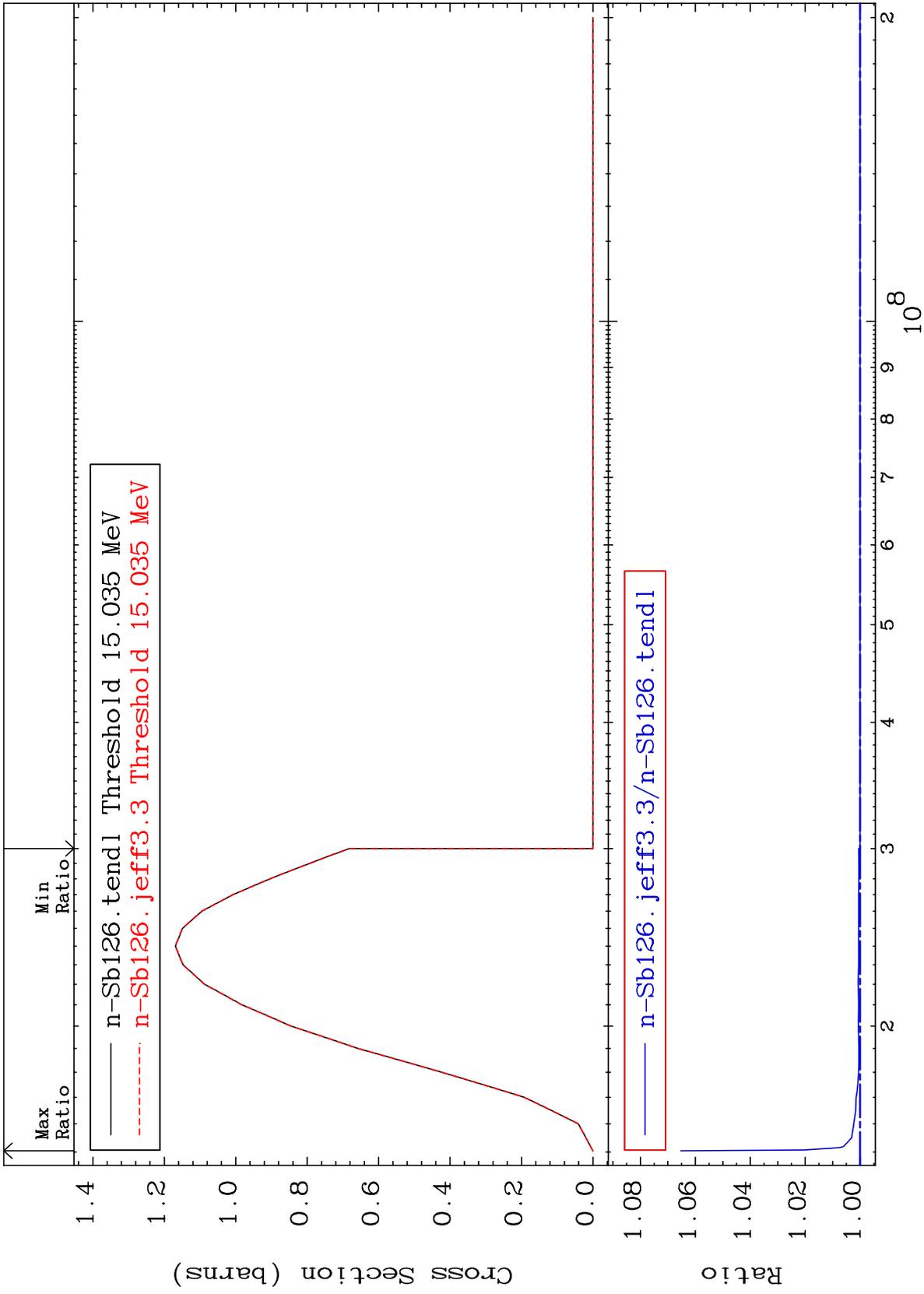
(n,3n)

51-Sb-126

Cross Section

0.000

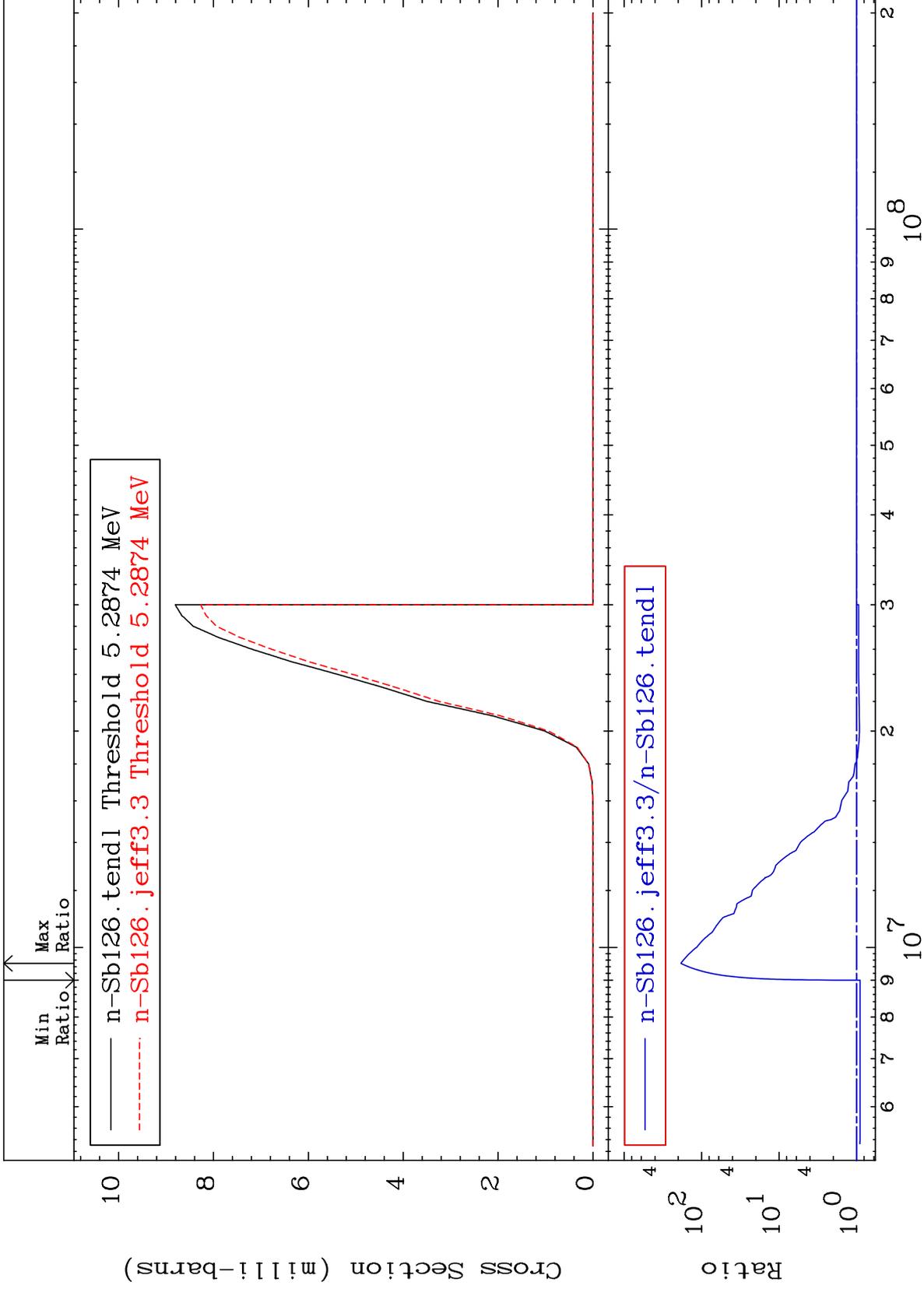
To 6.531 %



MAT 5140

(n, n') α
Cross Section

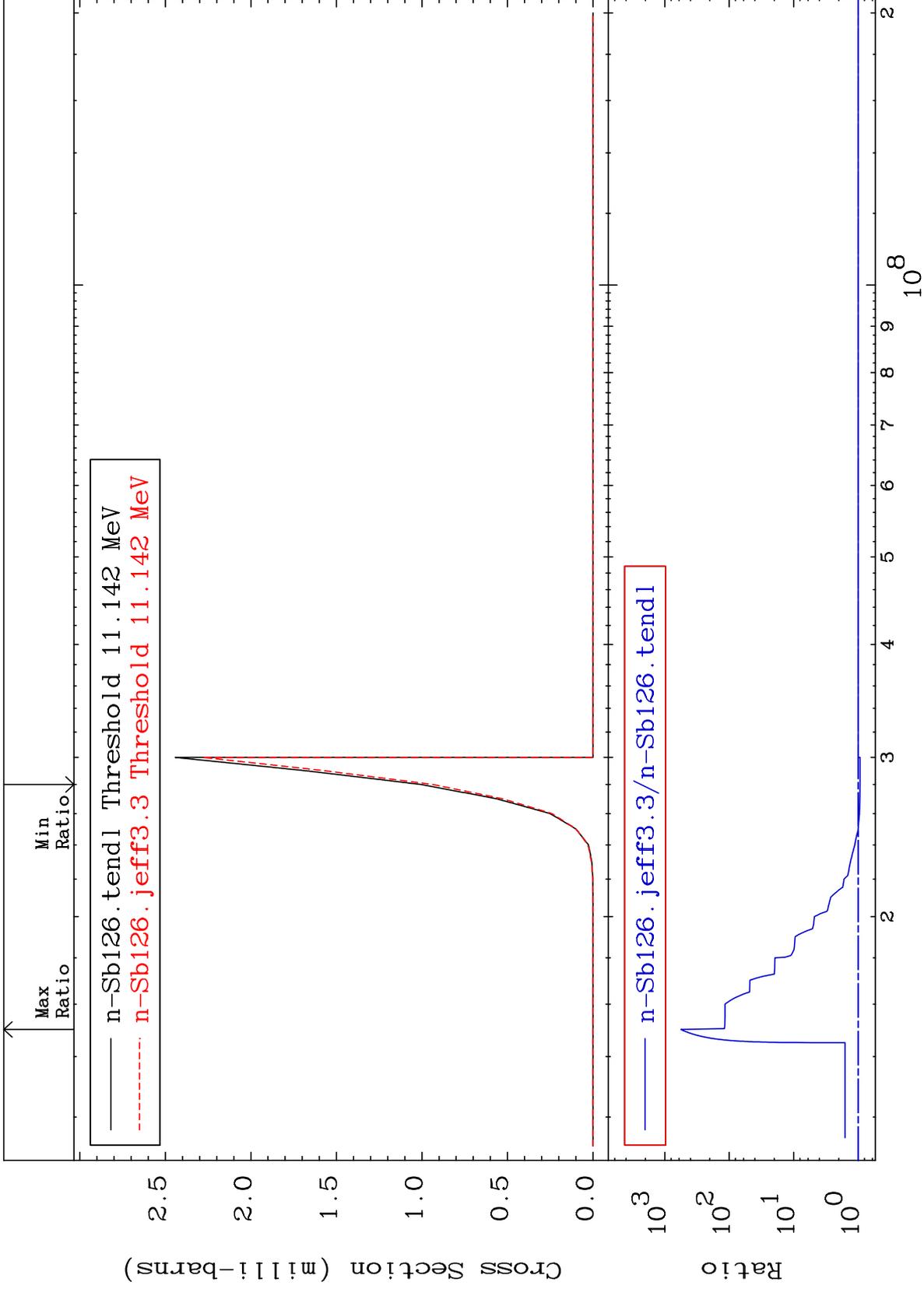
51-Sb-126
-9.828 To 9999. %



MAT 5140

(n,2n) α
Cross Section

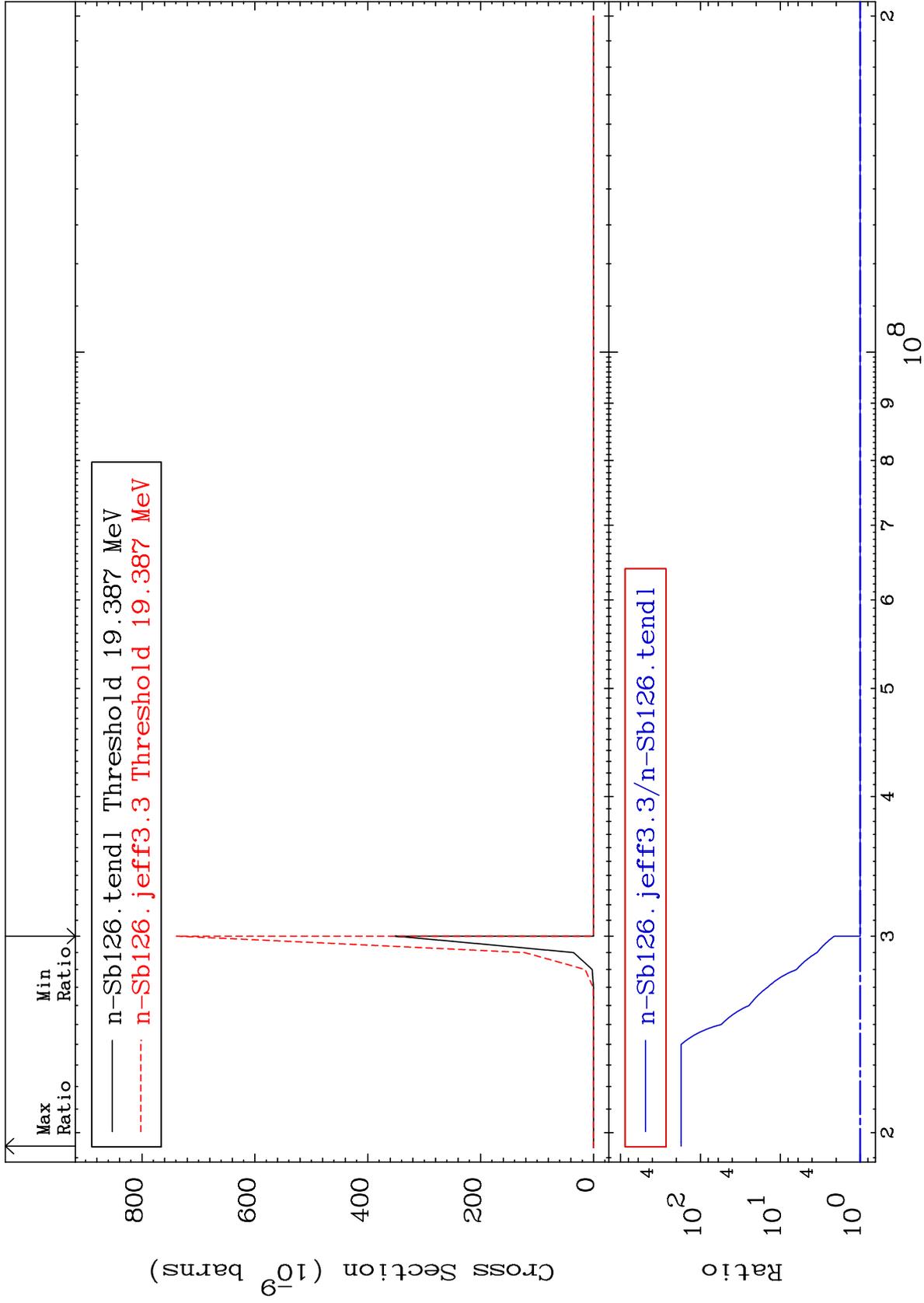
51-Sb-126
-6.742 To 9999. %



MAT 5140

(n,3n) α
Cross Section

51-Sb-126
To 9999. %
0.000



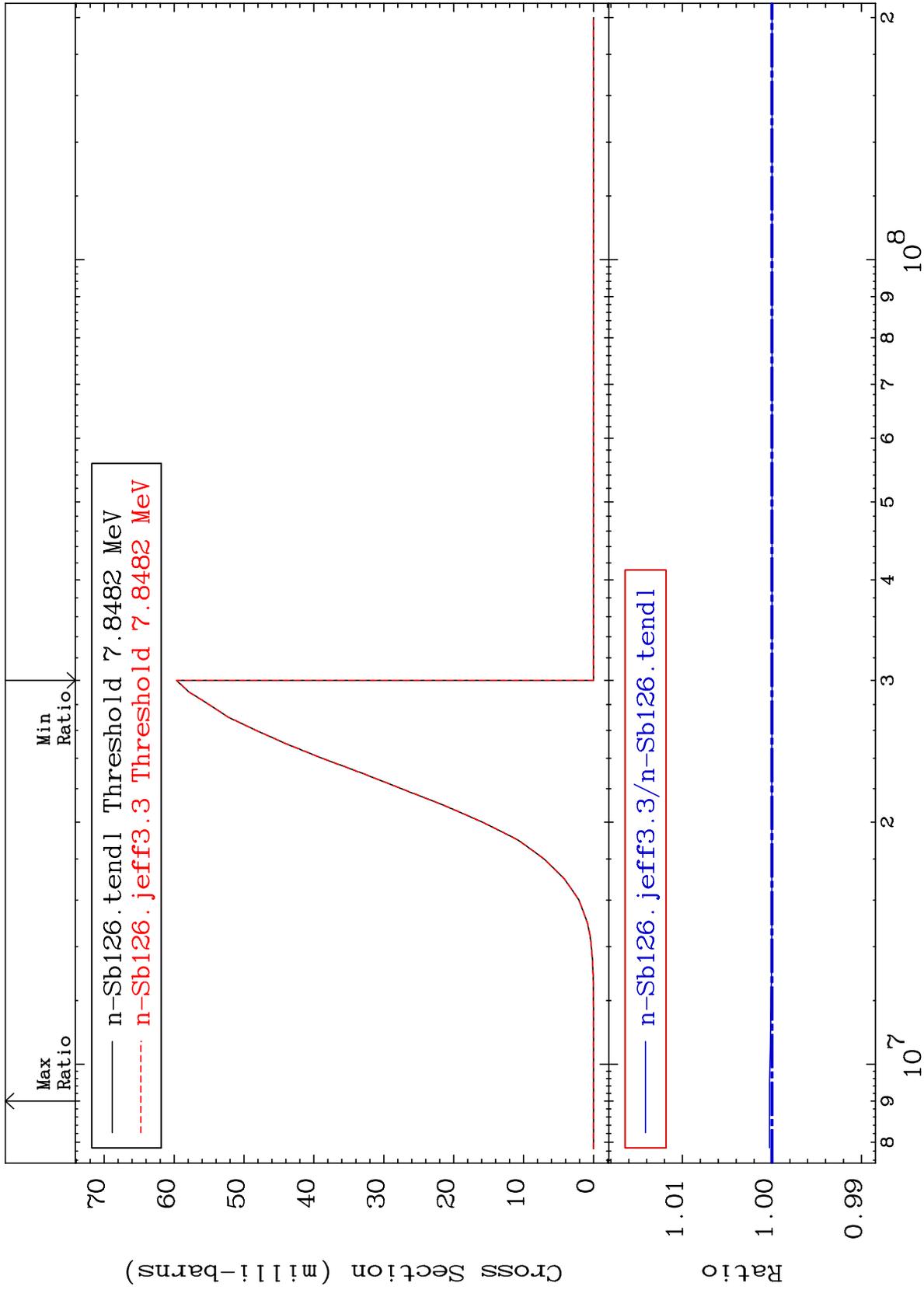
MAT 5140

(n,n') p

51-Sb-126

Cross Section

0.000 To 0.028 %



9

Incident Energy (eV)

51-Sb-126

MAT 5140

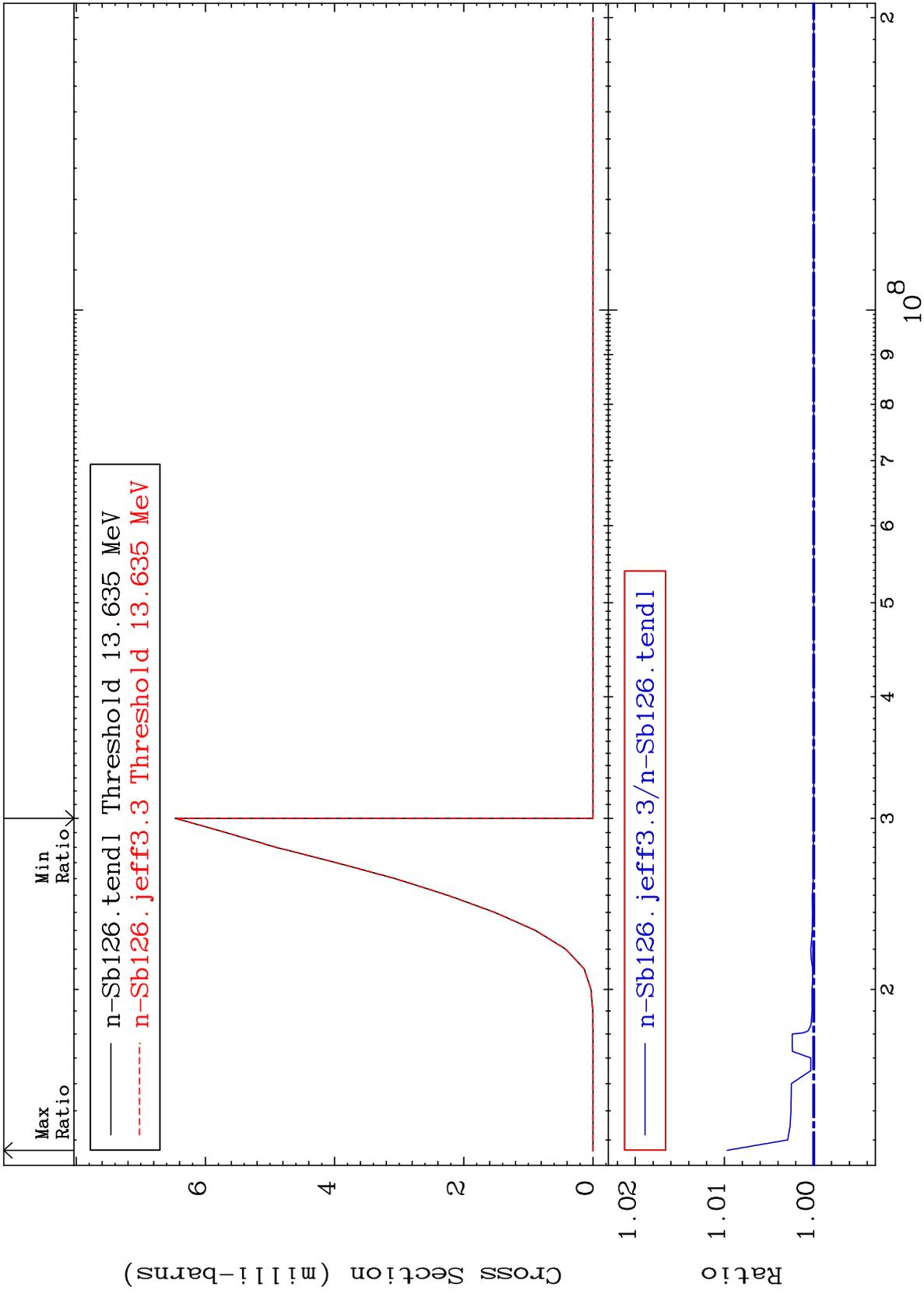
(n,n') t

51-Sb-126

Cross Section

0.000

To 0.970 %



10

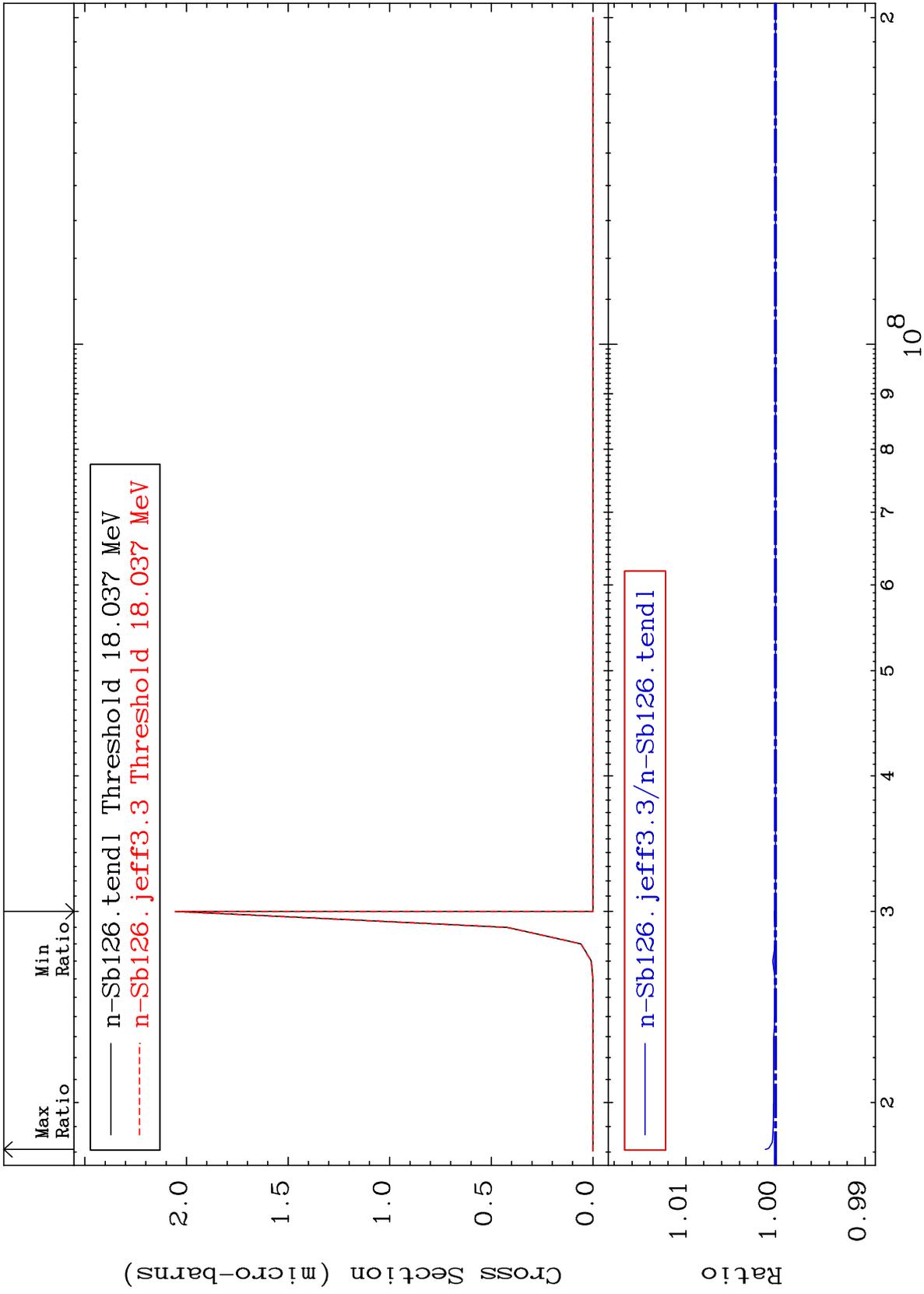
Incident Energy (eV)

51-Sb-126

MAT 5140

(n, n') He-3
Cross Section

51-Sb-126
To 0.112 %



MAT 5140

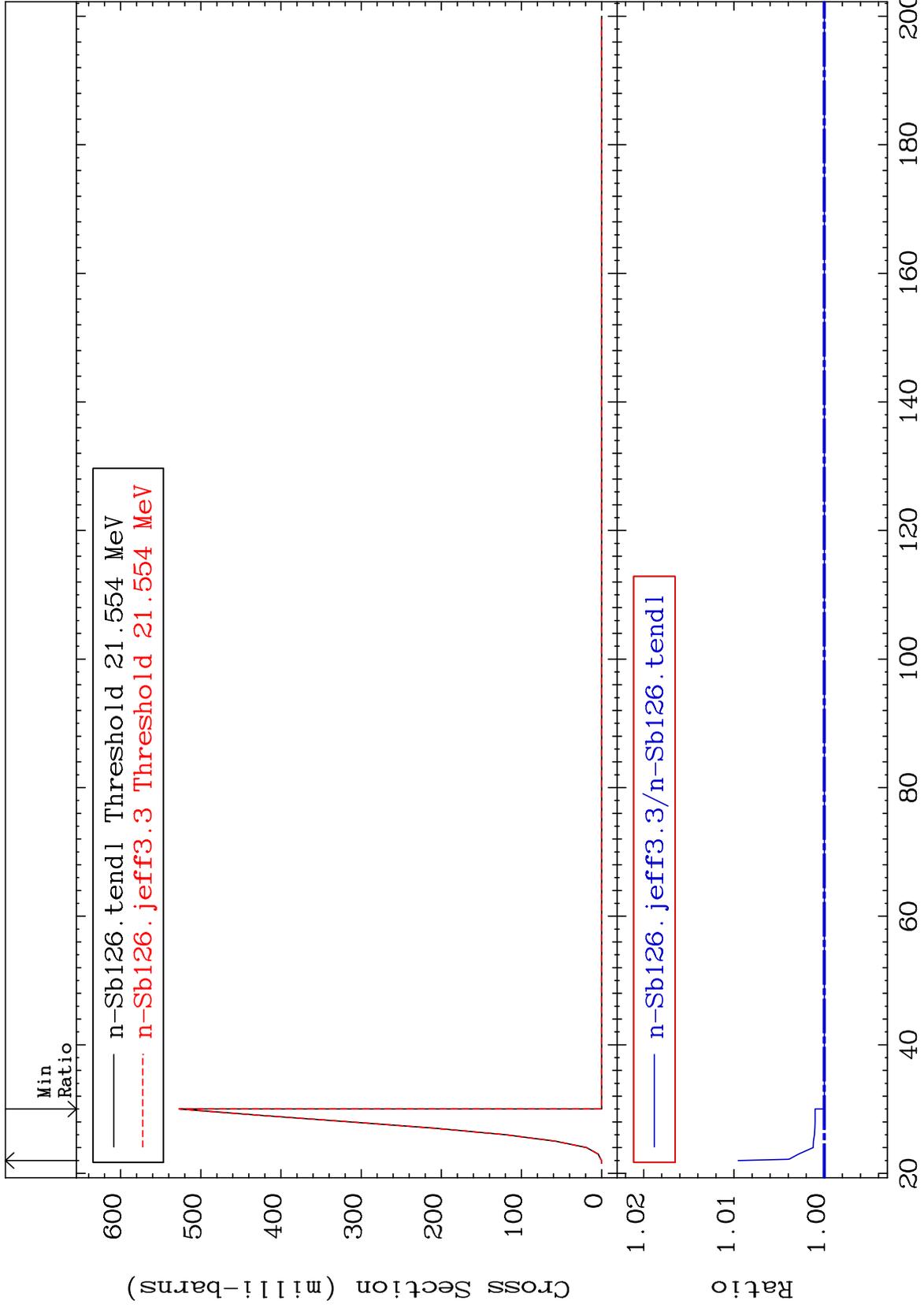
(n,4n)

51-Sb-126

Cross Section

0.000

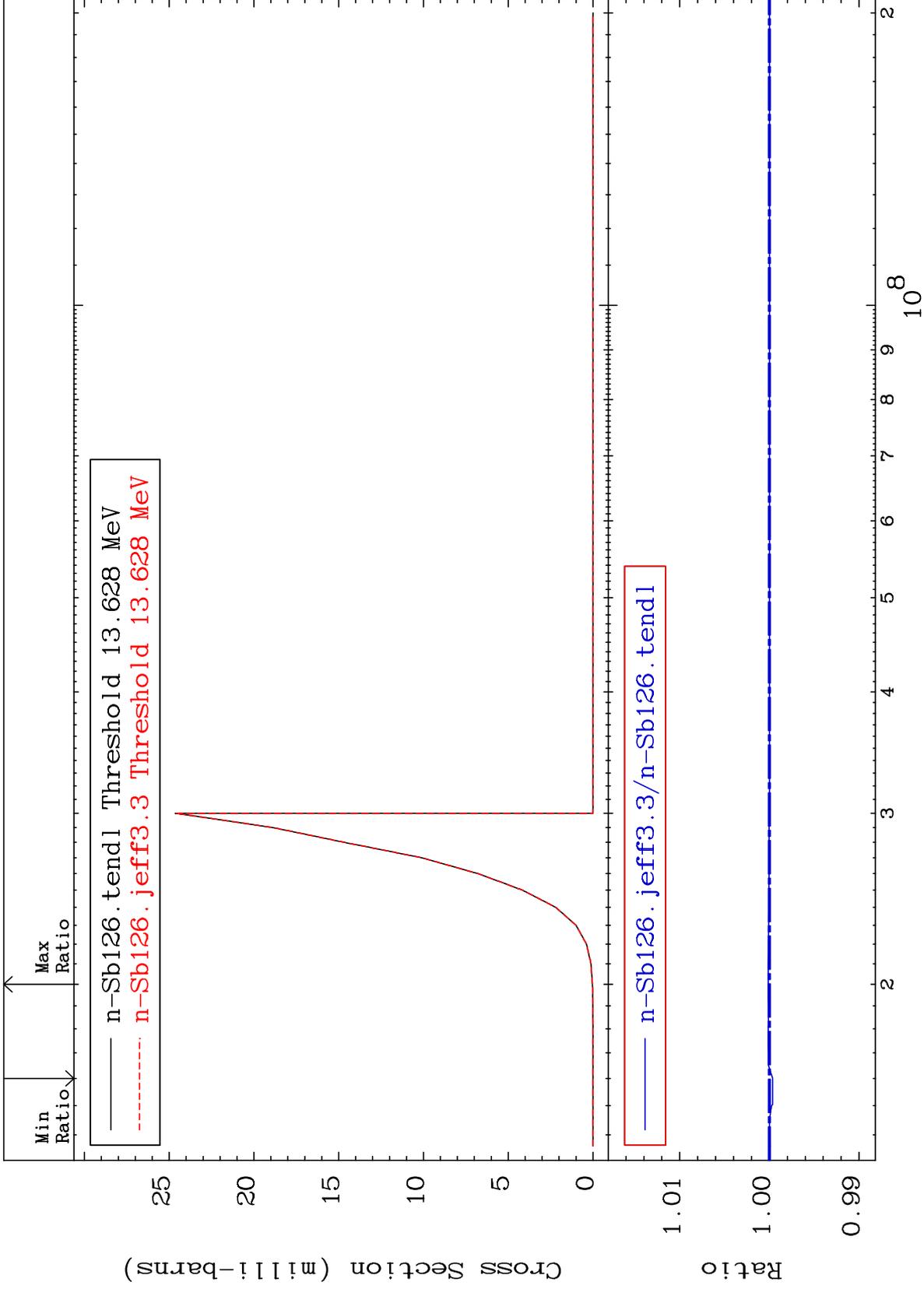
To 0.955 %



MAT 5140

(n,2n) p
Cross Section

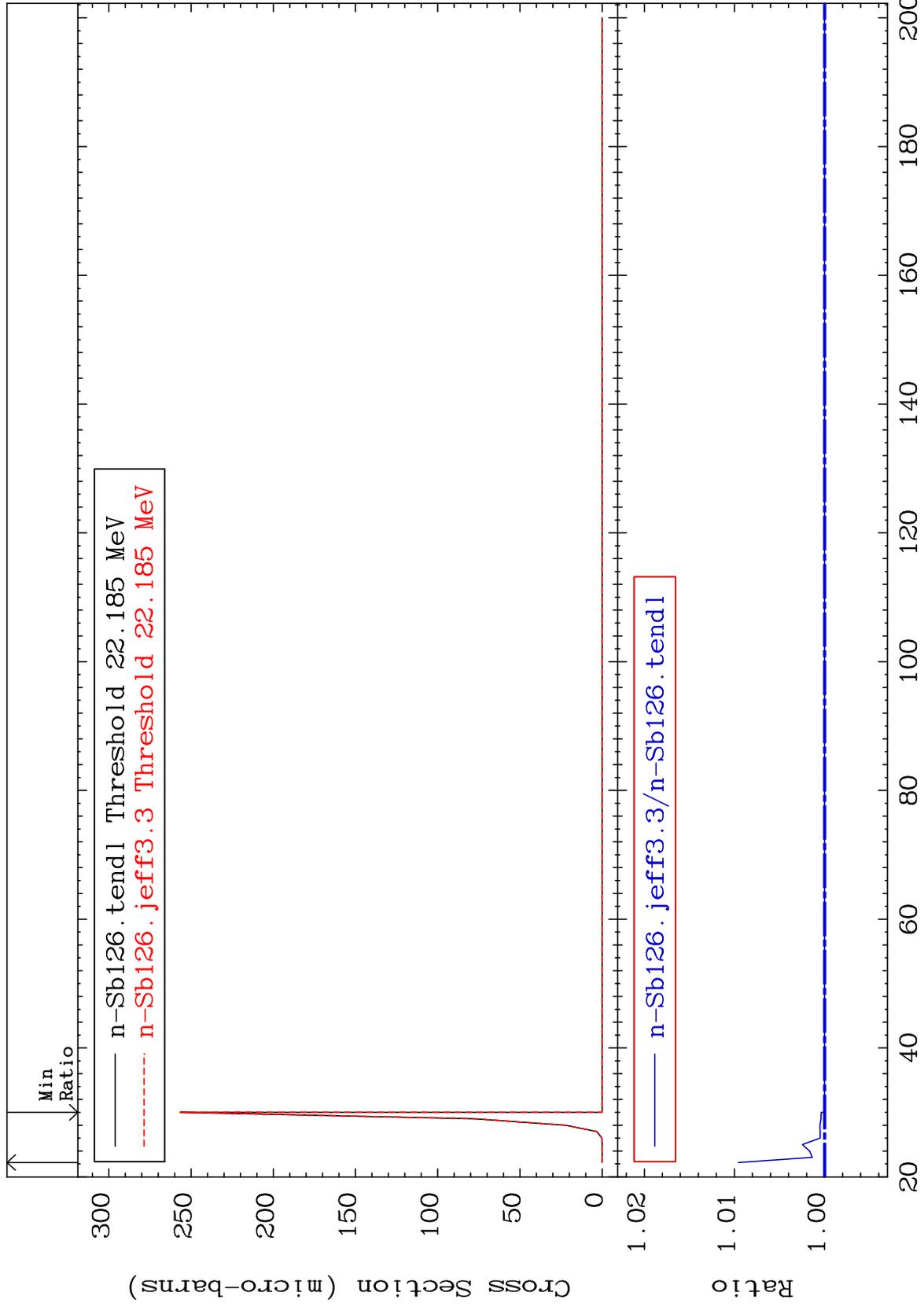
51-Sb-126
-0.036 To 0.013 %



MAT 5140

(n,3n) p
Cross Section

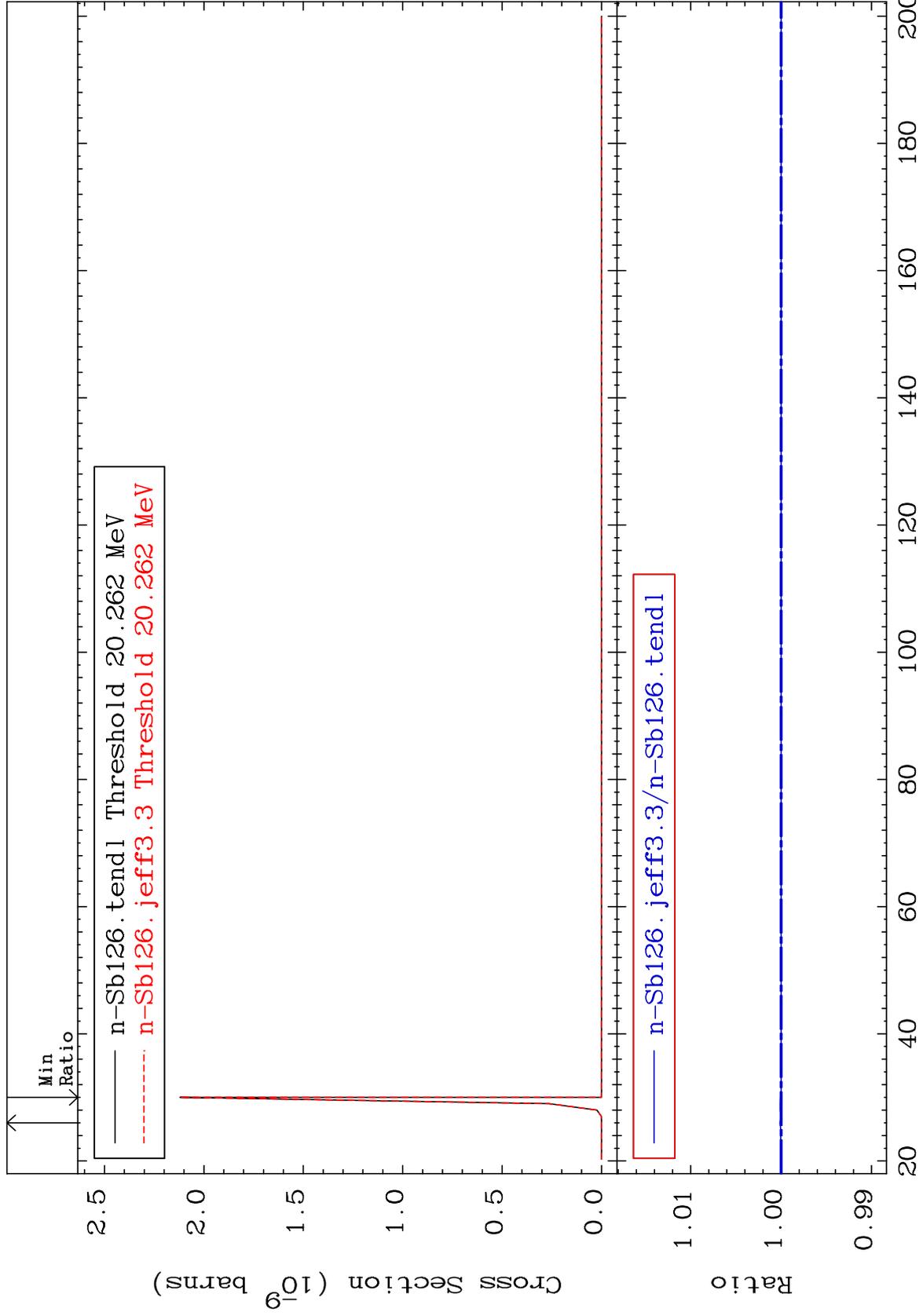
51-Sb-126
To 0.958 %



MAT 5140

(n,2n) p
Cross Section

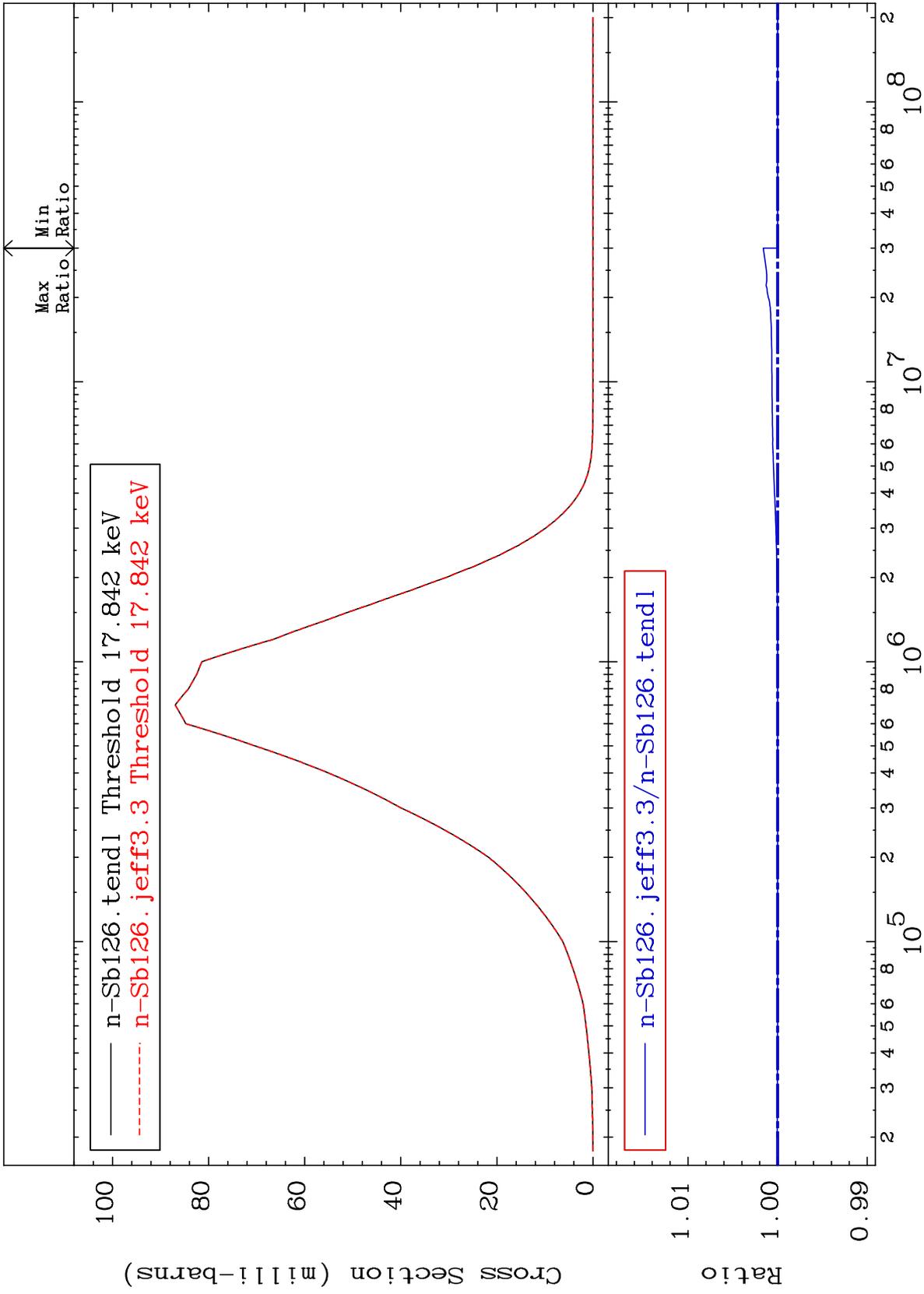
51-Sb-126
To 0.011 %



MAT 5140

MT= 51 (n,n') Level
Cross Section

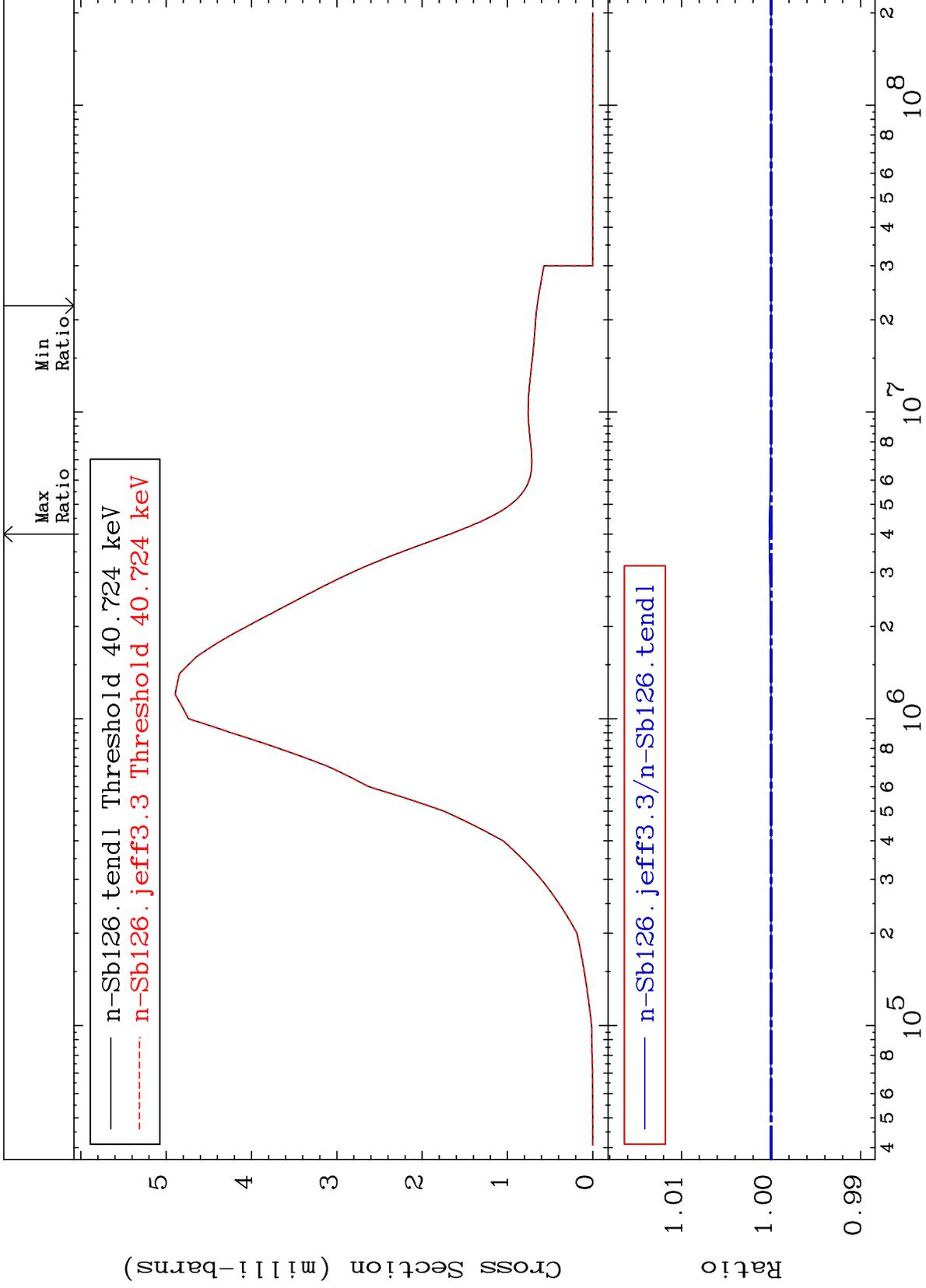
51-Sb-126
To 0.161 %



MAT 5140

MT= 52 (n,n') Level
Cross Section

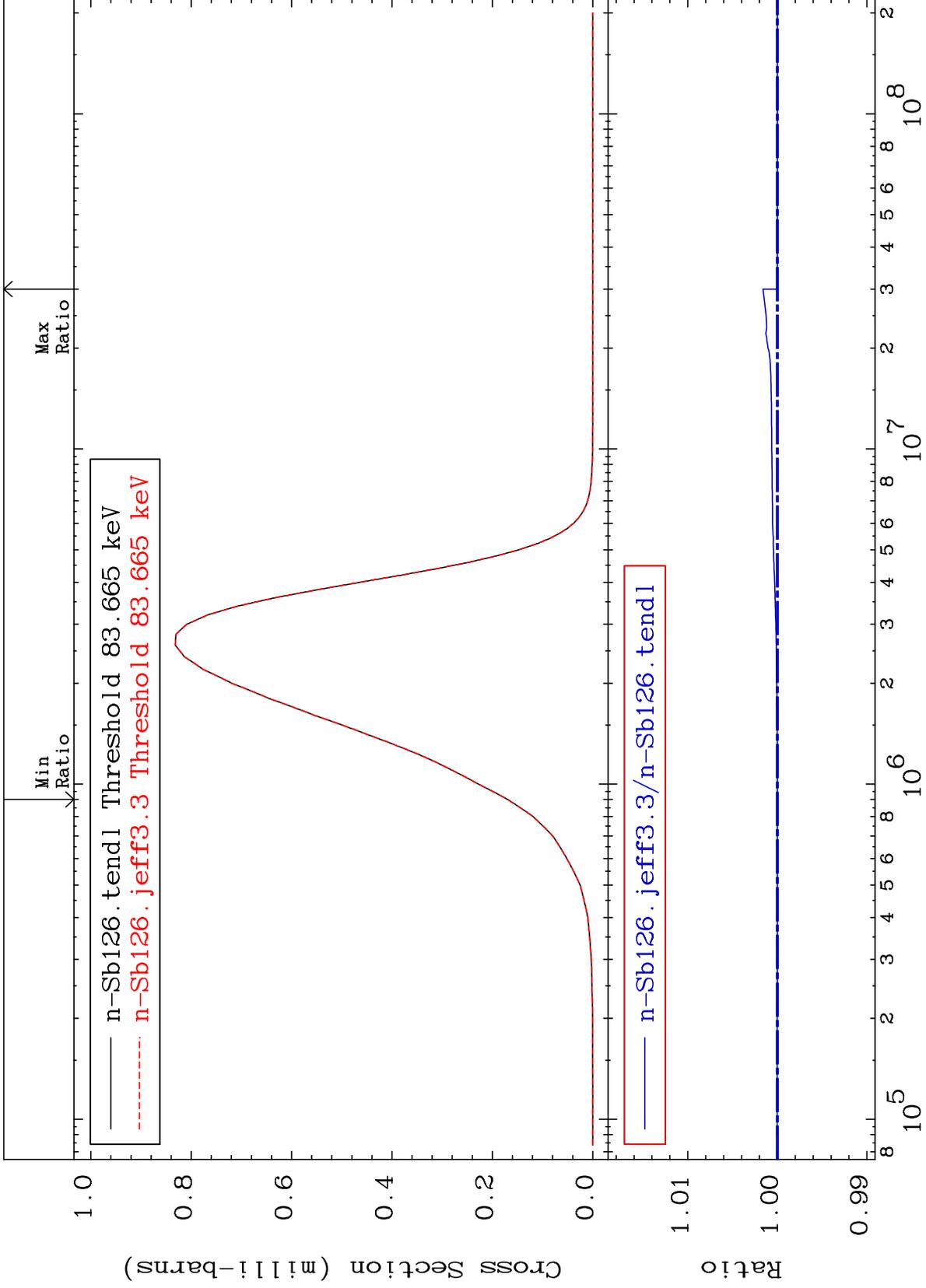
51-Sb-126
0.000 To 0.020 %



MAT 5140

MT= 53 (n,n') Level
Cross Section

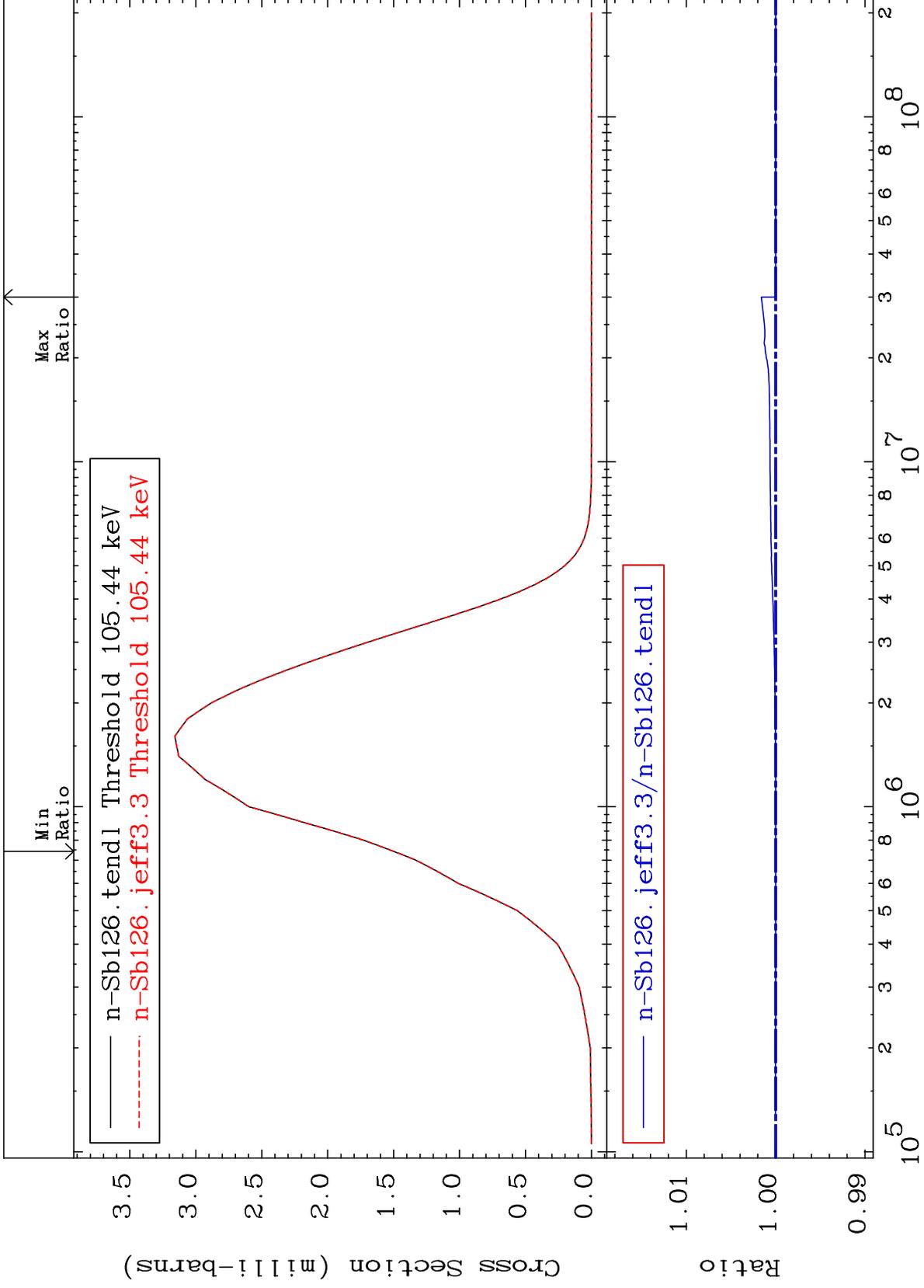
51-Sb-126
To 0.161 %



MAT 5140

MT= 54 (n,n') Level
Cross Section

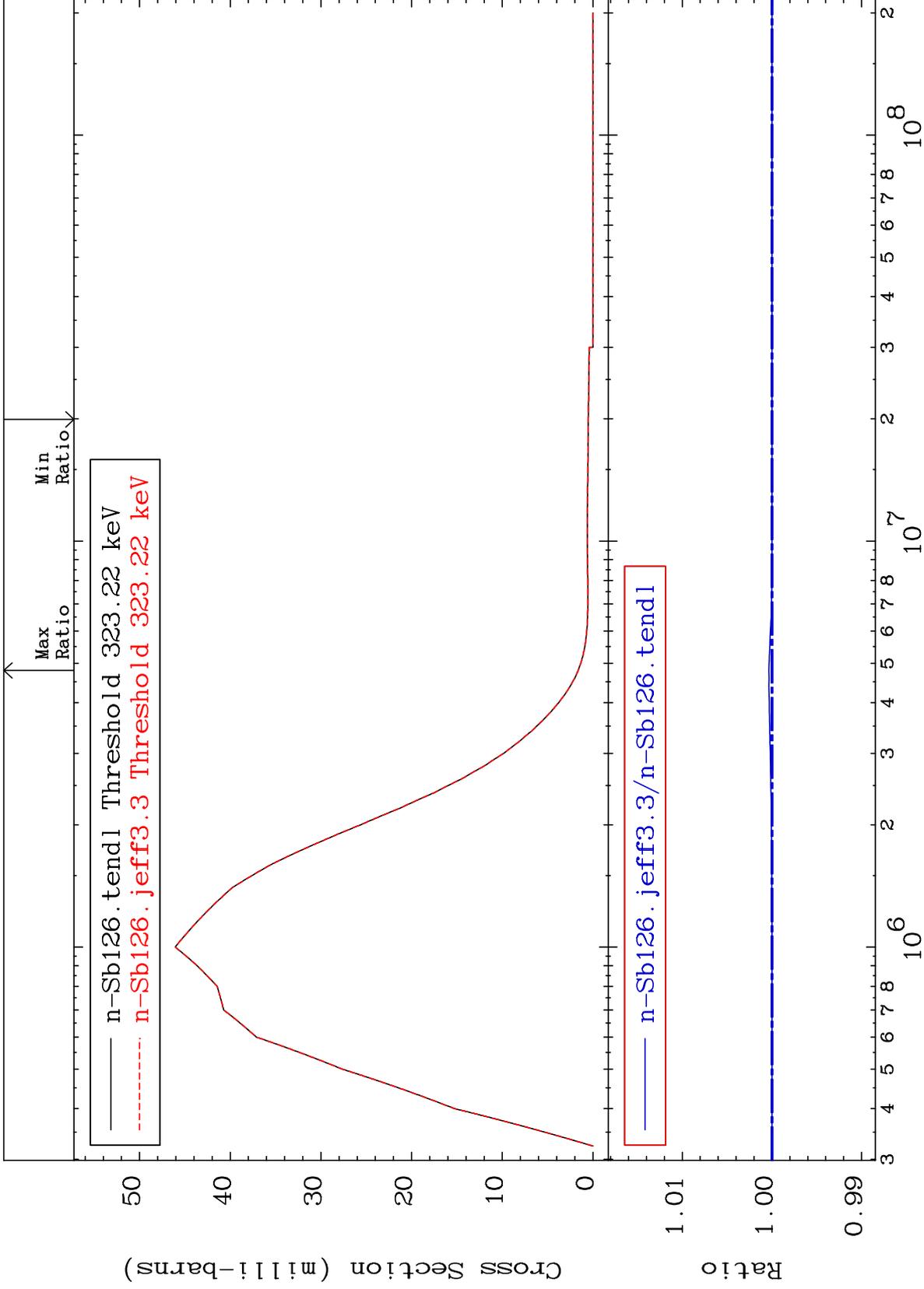
51-Sb-126
To 0.161 %



MAT 5140

MT= 56 (n,n') Level
Cross Section

51-Sb-126
0.000 To 0.034 %



20

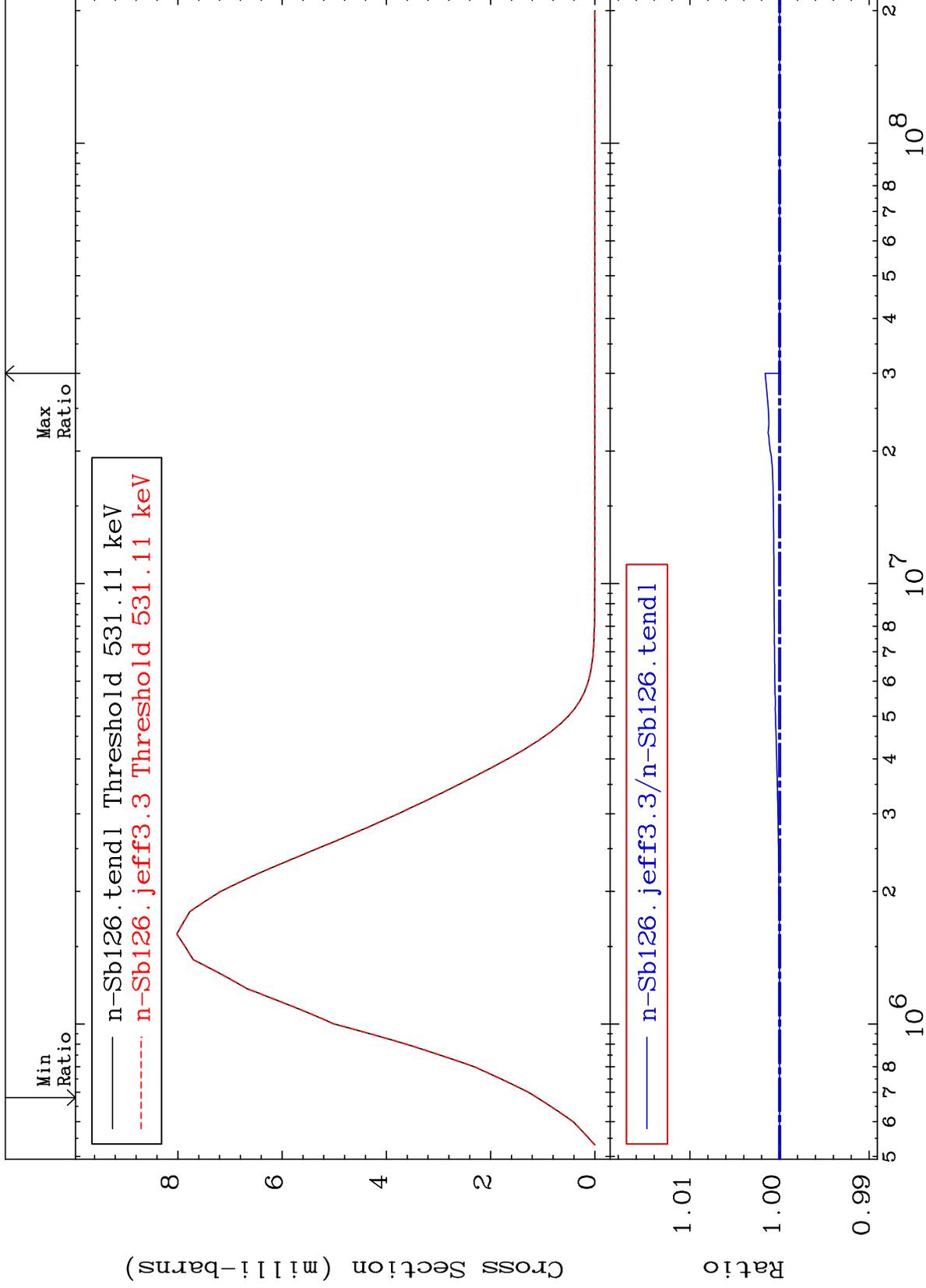
Incident Energy (eV)

51-Sb-126

MAT 5140

MT= 58 (n,n') Level
Cross Section

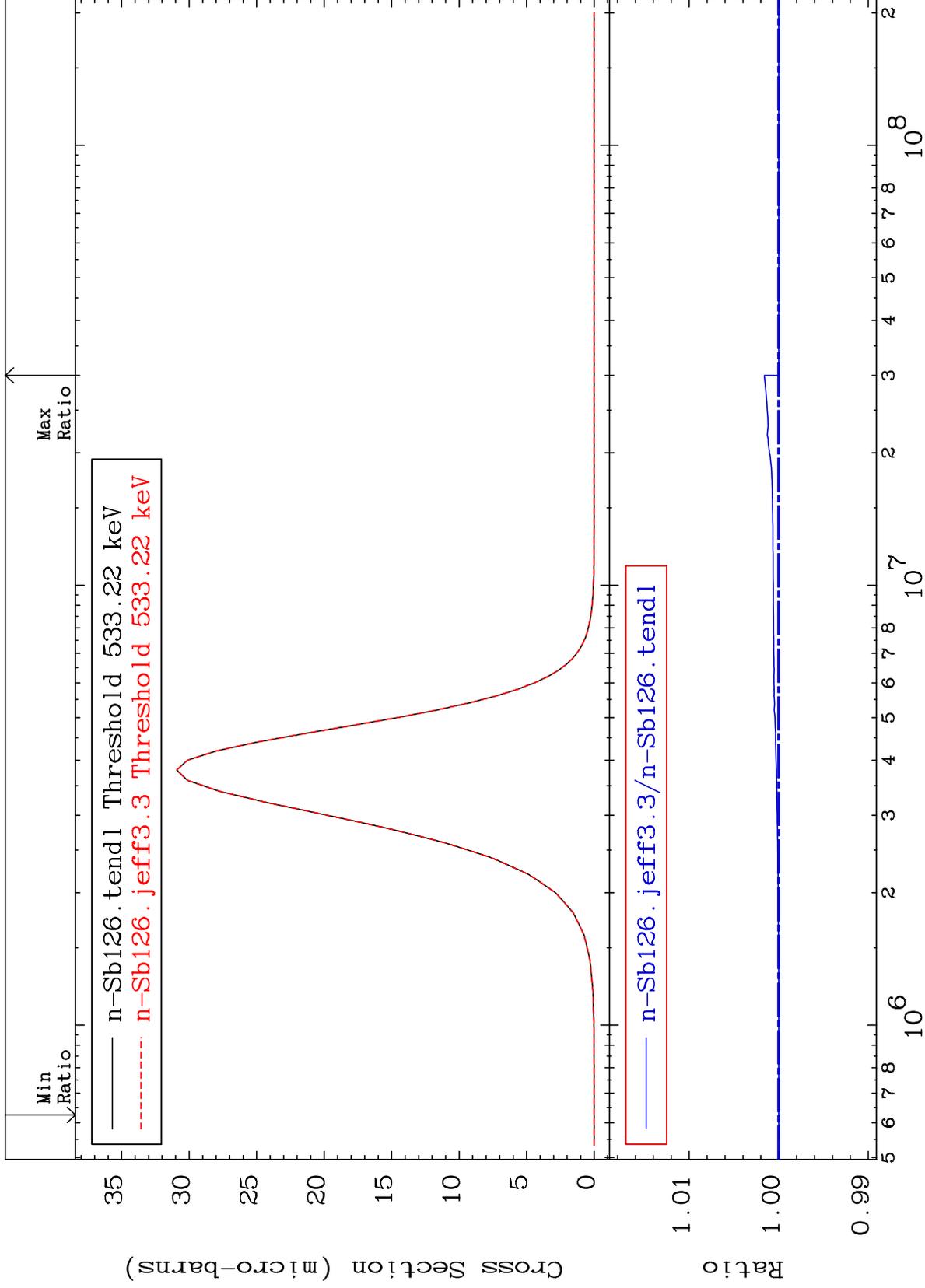
51-Sb-126
To 0.161 %



MAT 5140

MT= 59 (n,n') Level
Cross Section

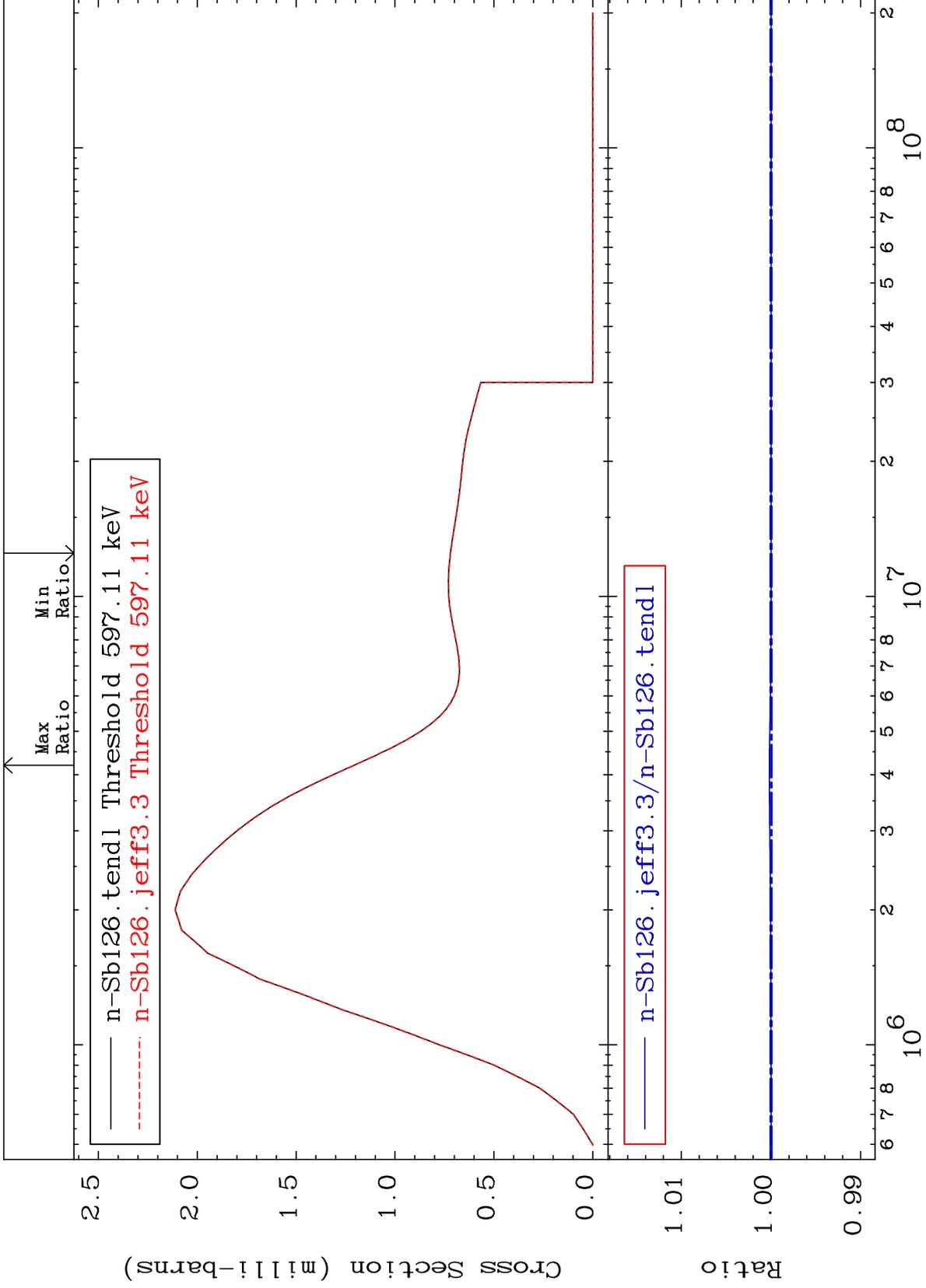
51-Sb-126
To 0.161 %



MAT 5140

MT= 60 (n,n') Level
Cross Section

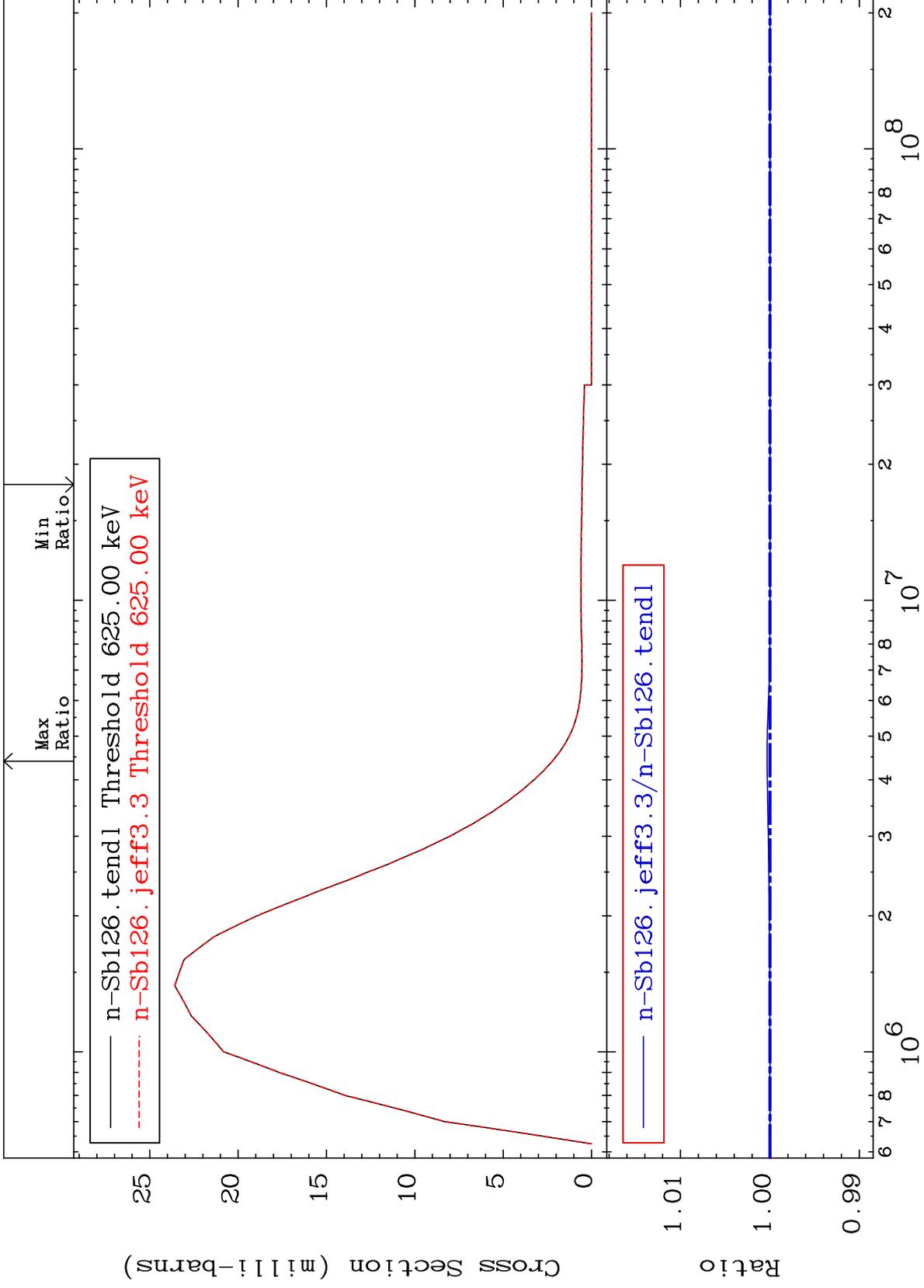
51-Sb-126
0.000 To 0.019 %



MAT 5140

MT= 61 (n,n') Level
Cross Section

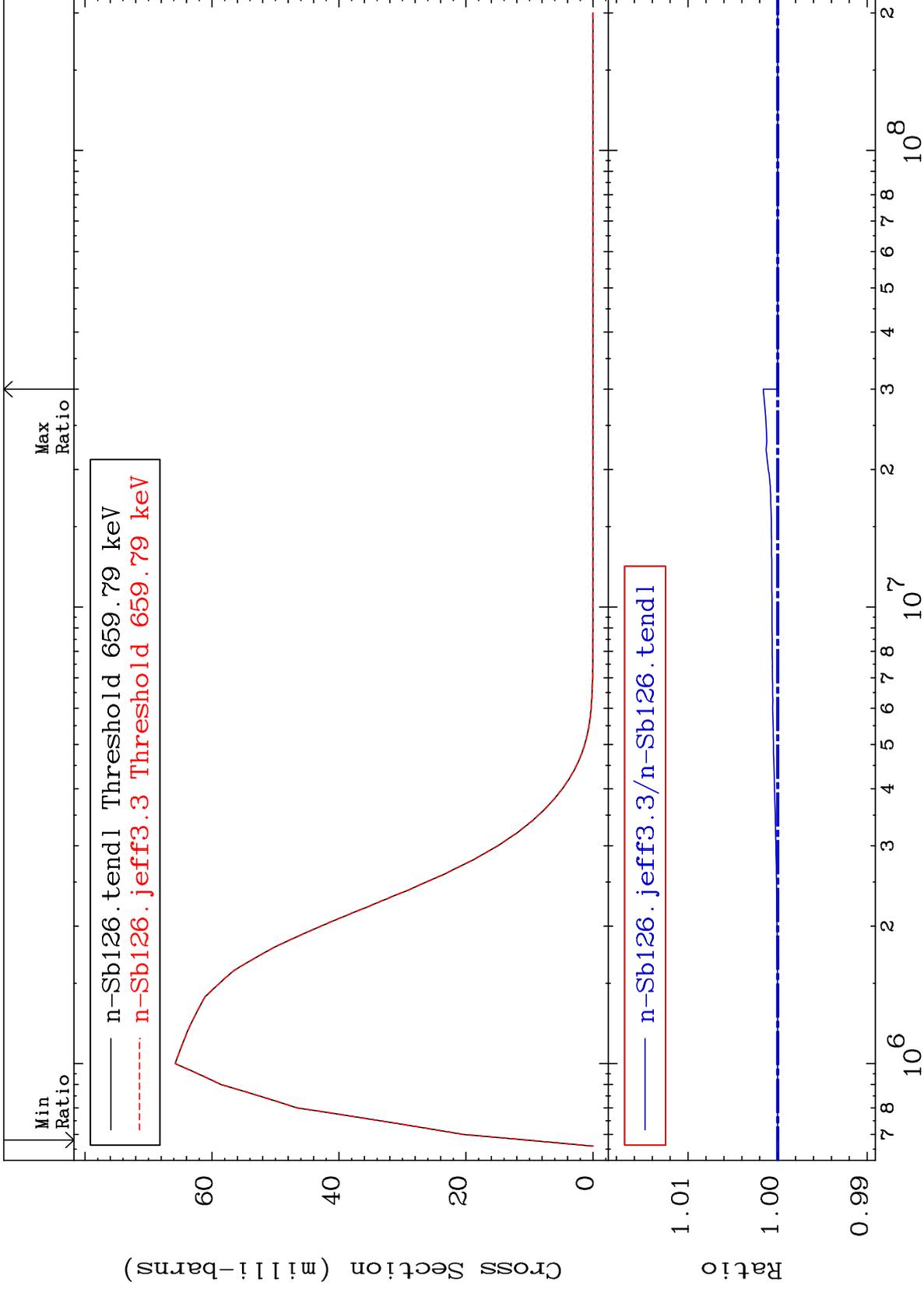
51-Sb-126
To 0.033 %



MAT 5140

MT= 62 (n,n') Level
Cross Section

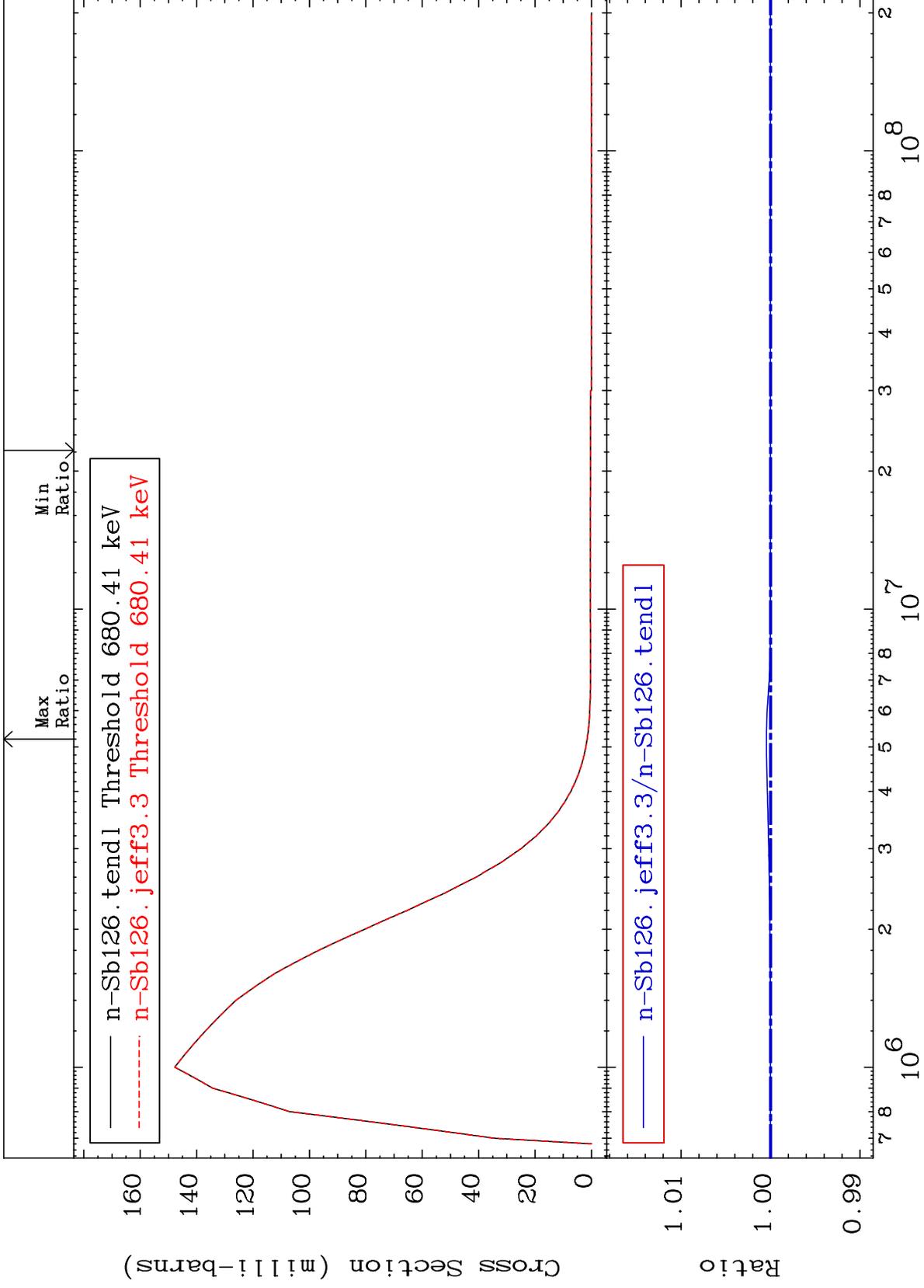
51-Sb-126
To 0.161 %



MAT 5140

MT= 63 (n,n') Level
Cross Section

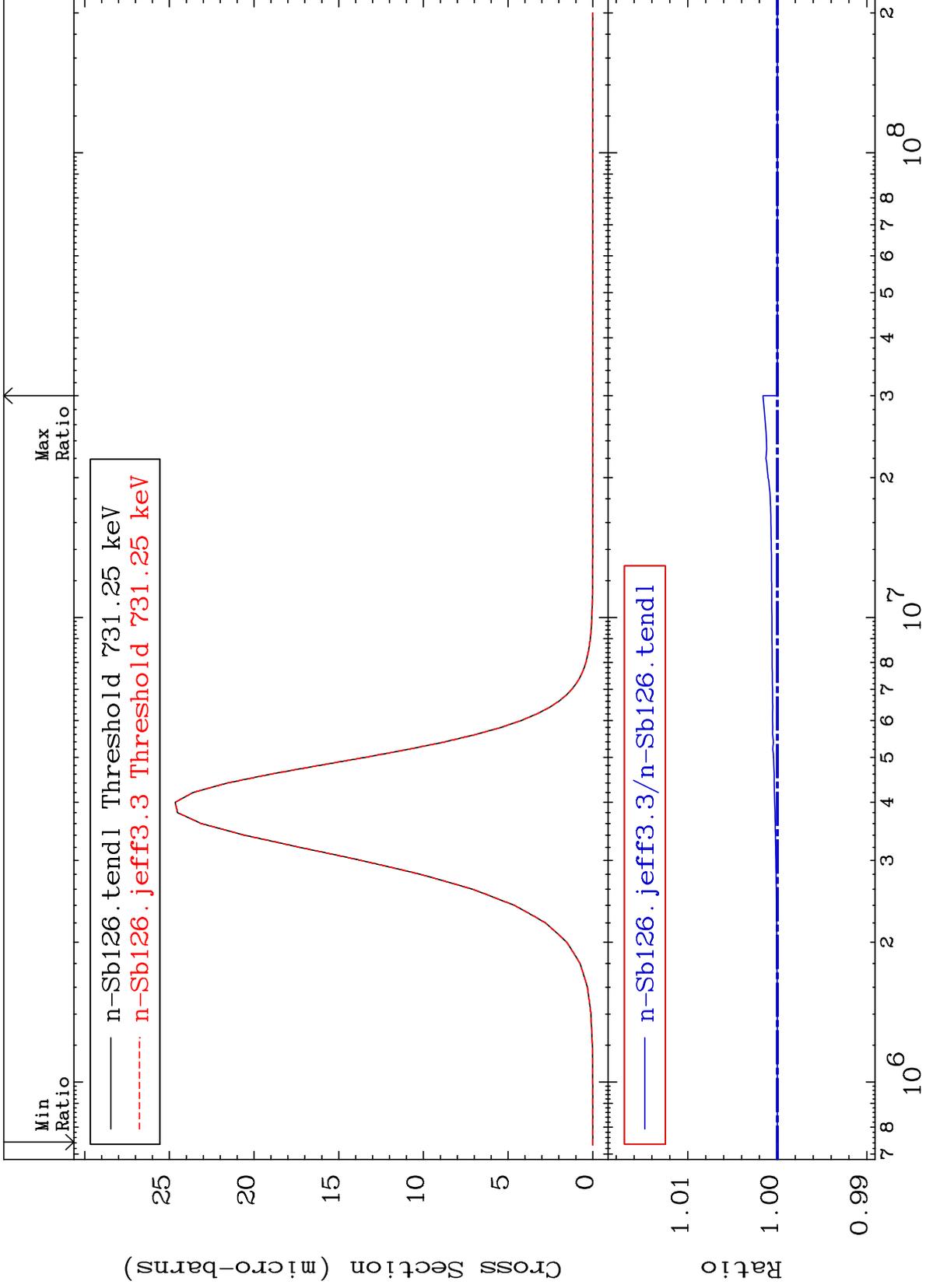
51-Sb-126
To 0.046 %



MAT 5140

MT= 64 (n,n') Level
Cross Section

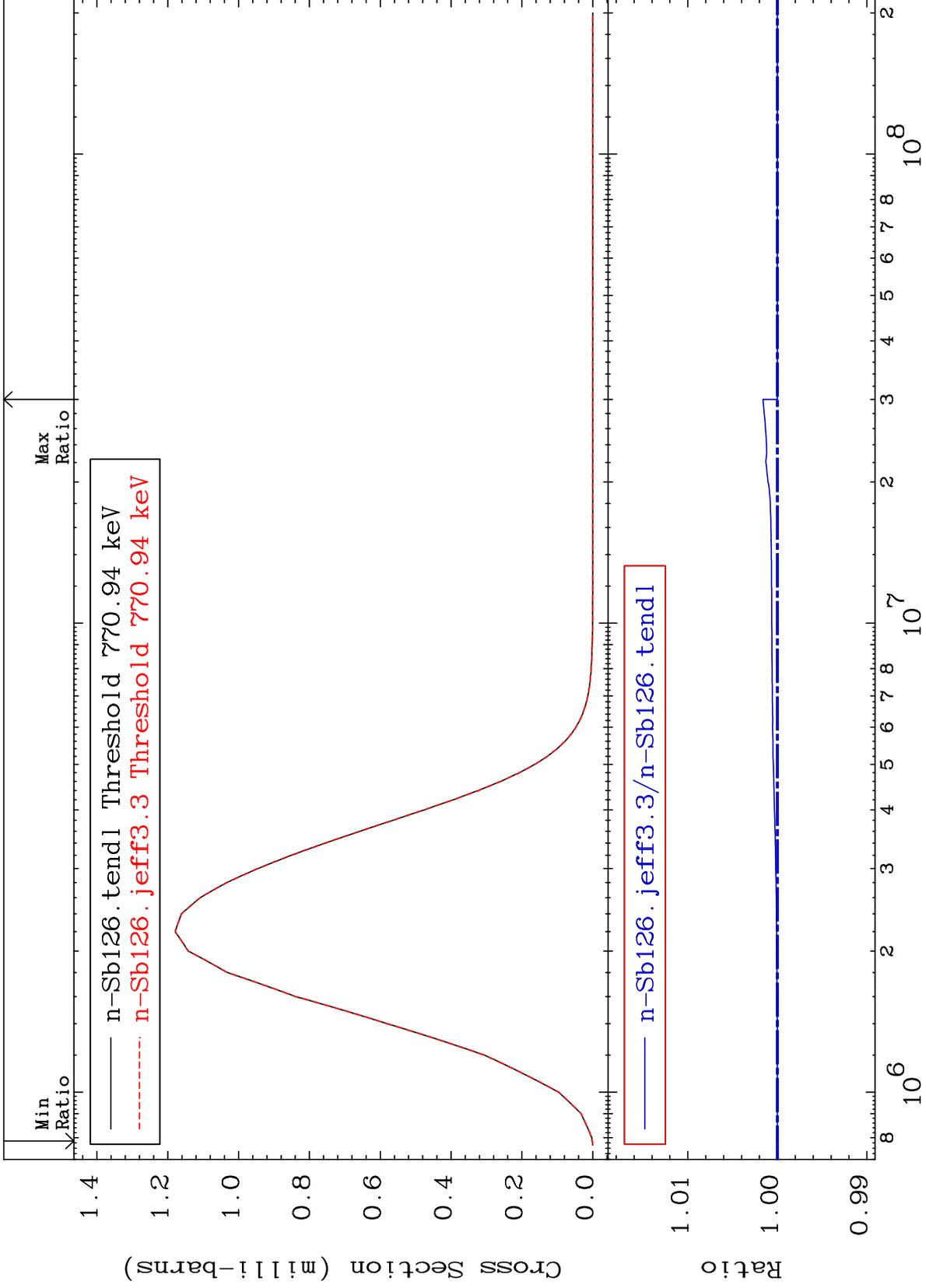
51-Sb-126
To 0.161 %



MAT 5140

MT= 65 (n,n') Level
Cross Section

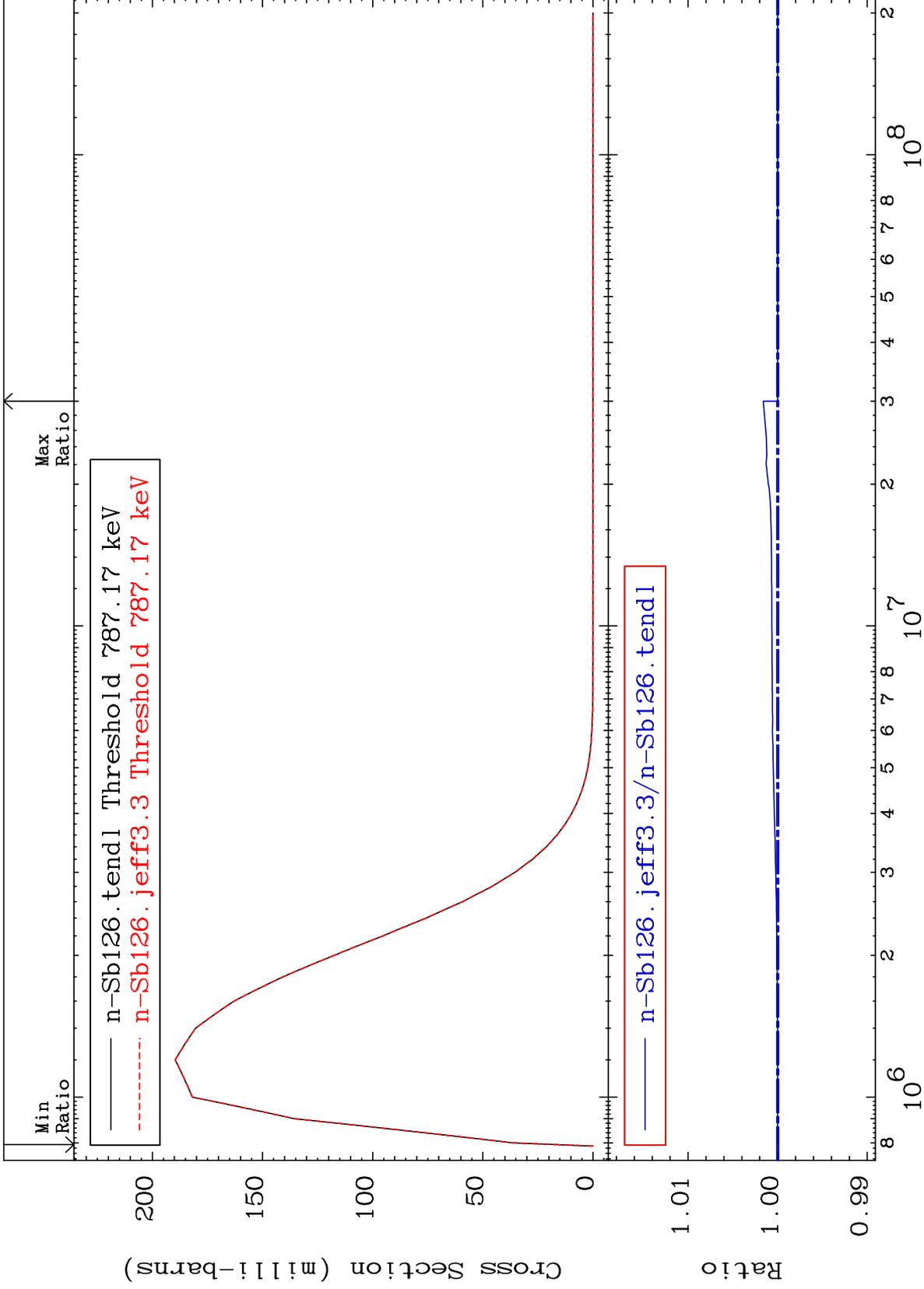
51-Sb-126
To 0.161 %



MAT 5140

MT= 66 (n,n') Level
Cross Section

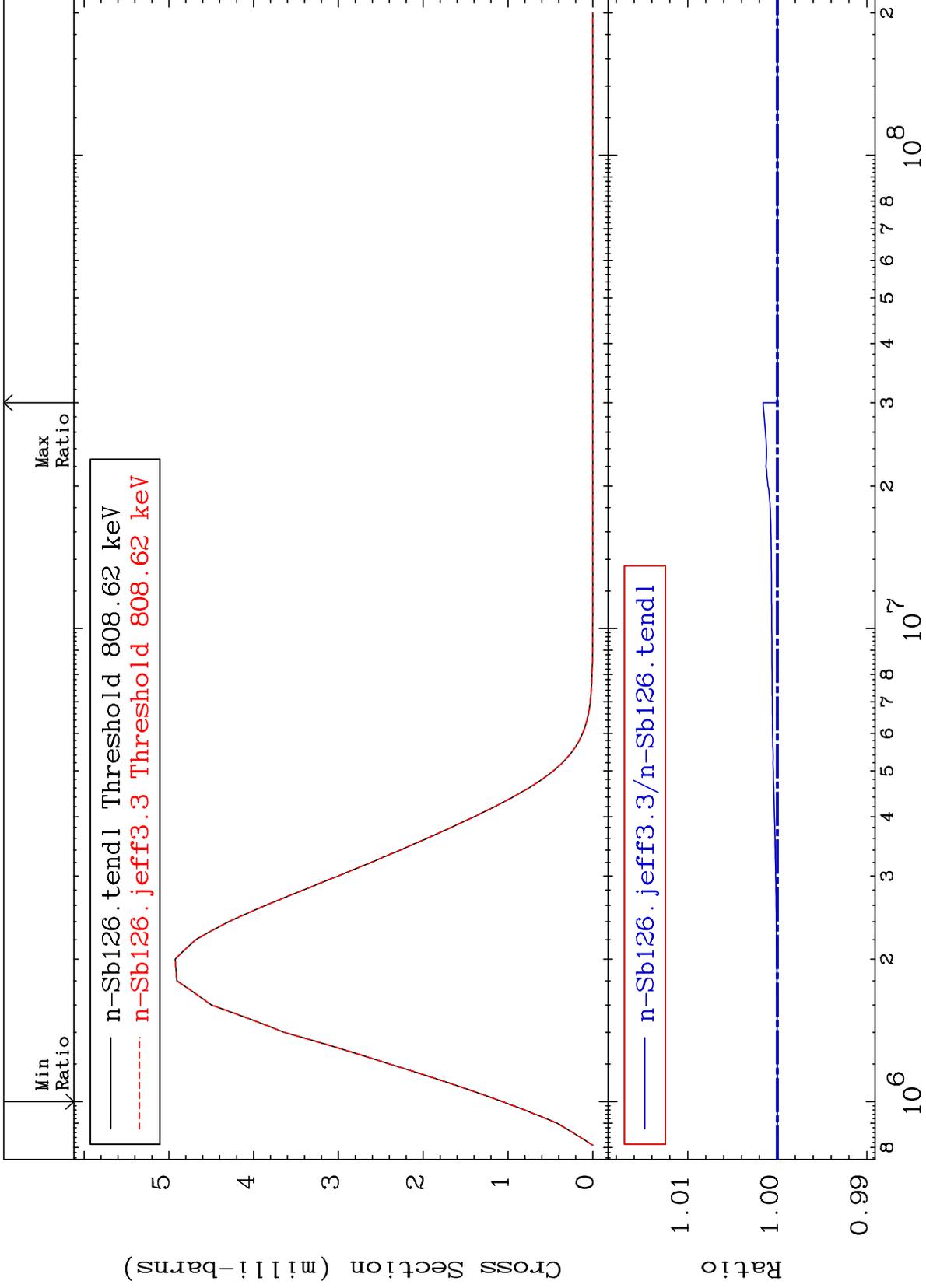
51-Sb-126
To 0.162 %



MAT 5140

MT= 68 (n,n') Level
Cross Section

51-Sb-126
To 0.161 %



30

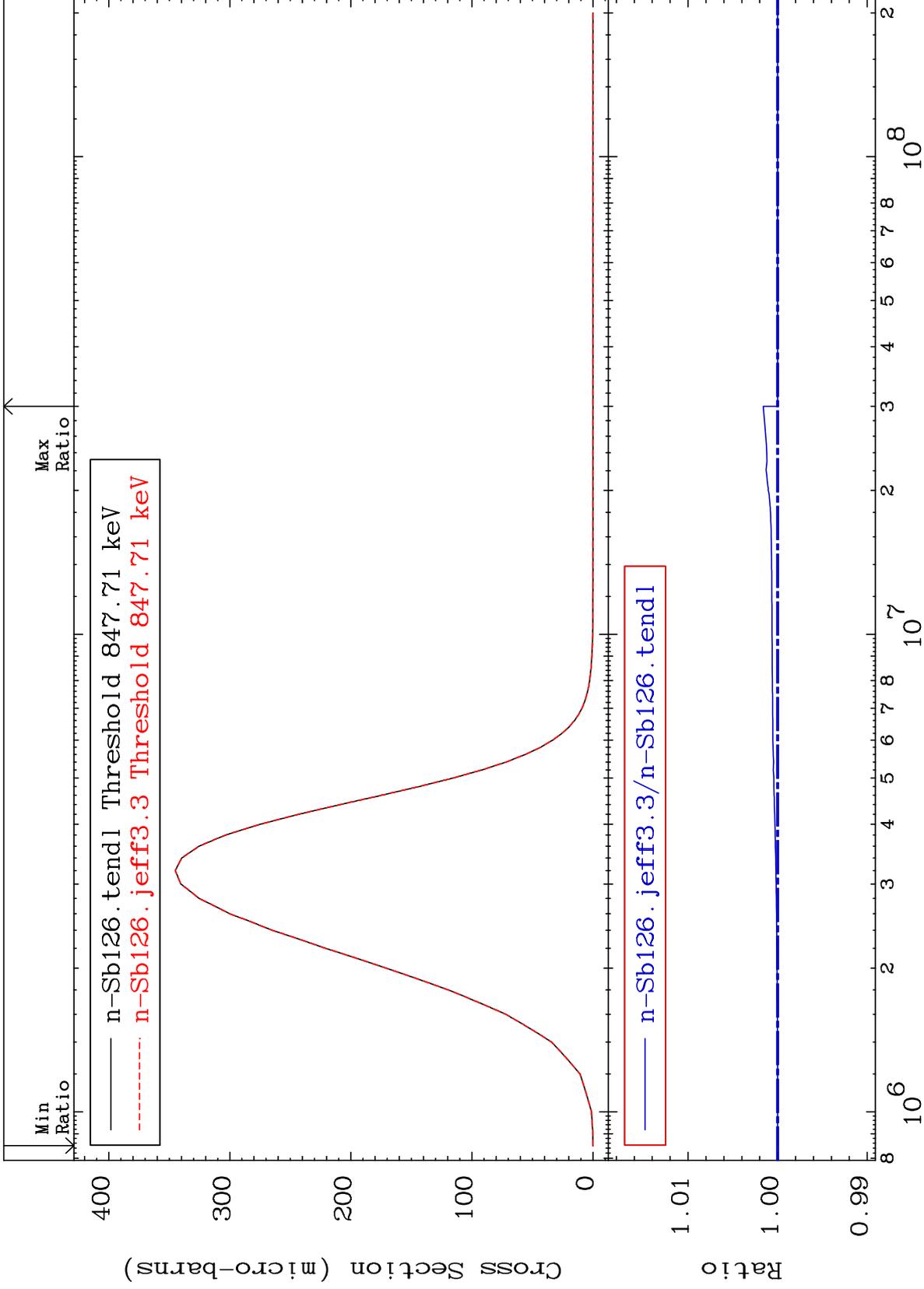
Incident Energy (eV)

51-Sb-126

MAT 5140

MT= 69 (n,n') Level
Cross Section

51-Sb-126
To 0.161 %



31

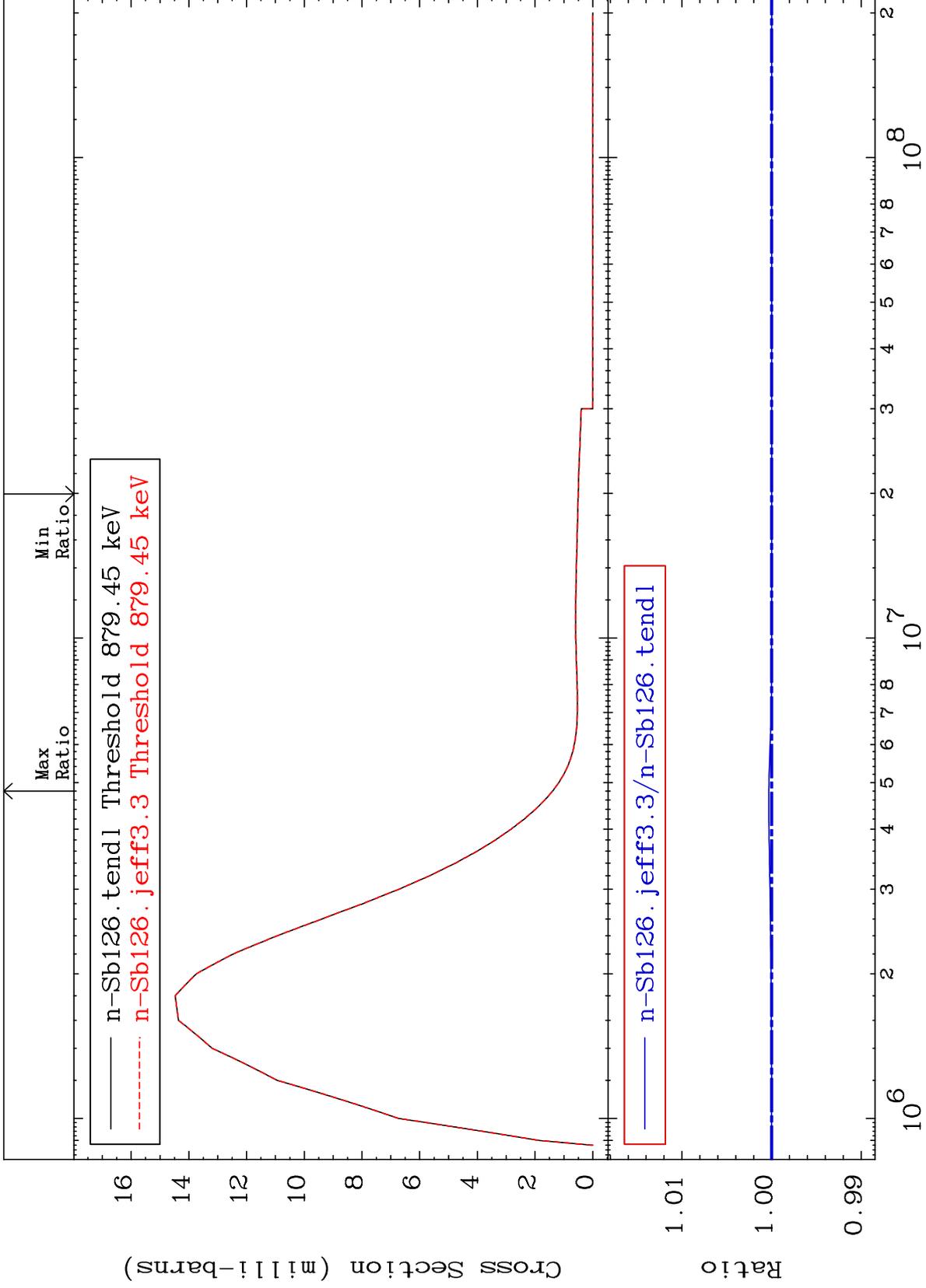
Incident Energy (eV)

51-Sb-126

MAT 5140

MT= 71 (n,n') Level
Cross Section

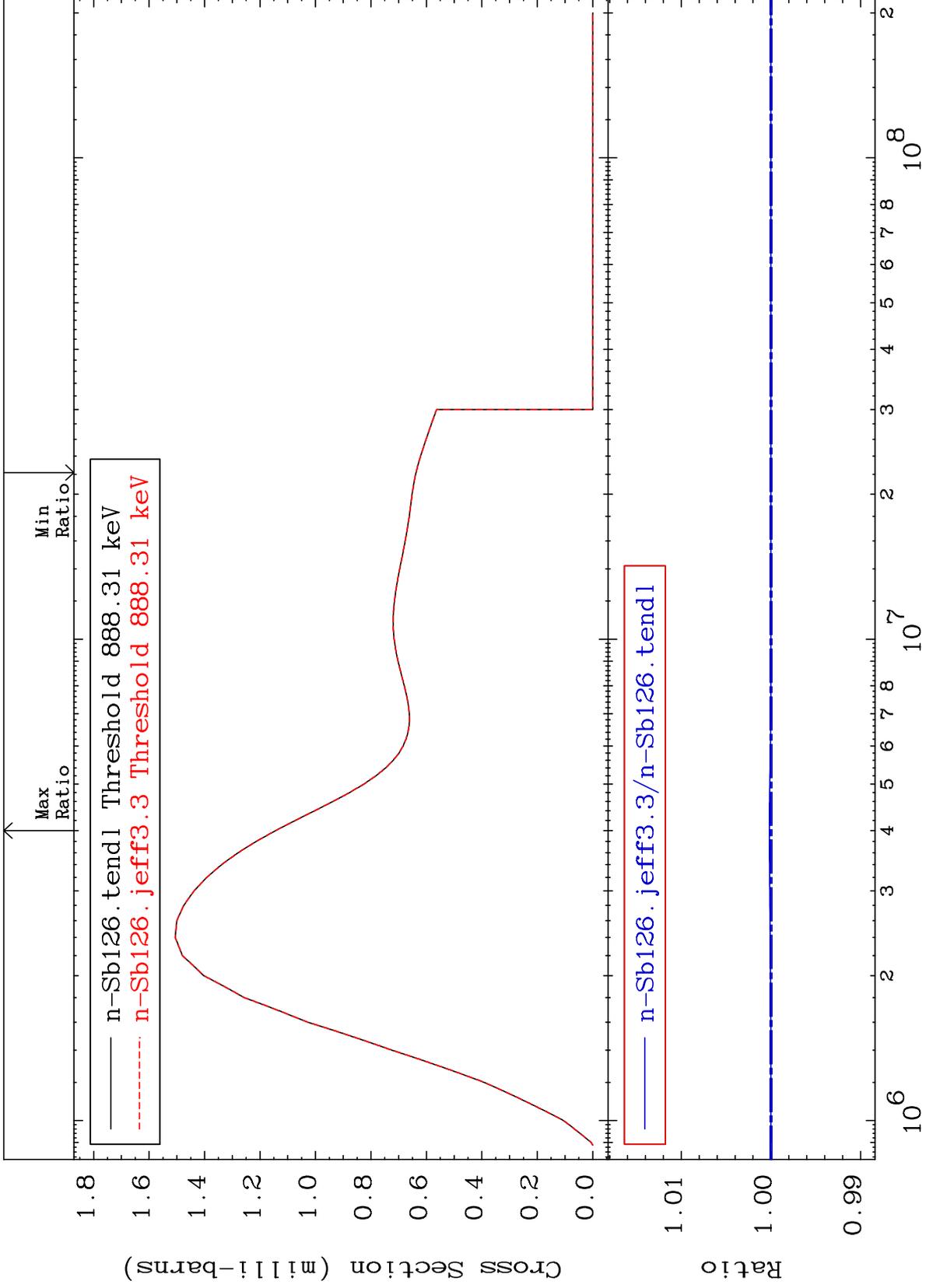
51-Sb-126
0.000 To 0.032 %



MAT 5140

MT= 72 (n, n') Level
Cross Section

51-Sb-126
To 0.017 %



33

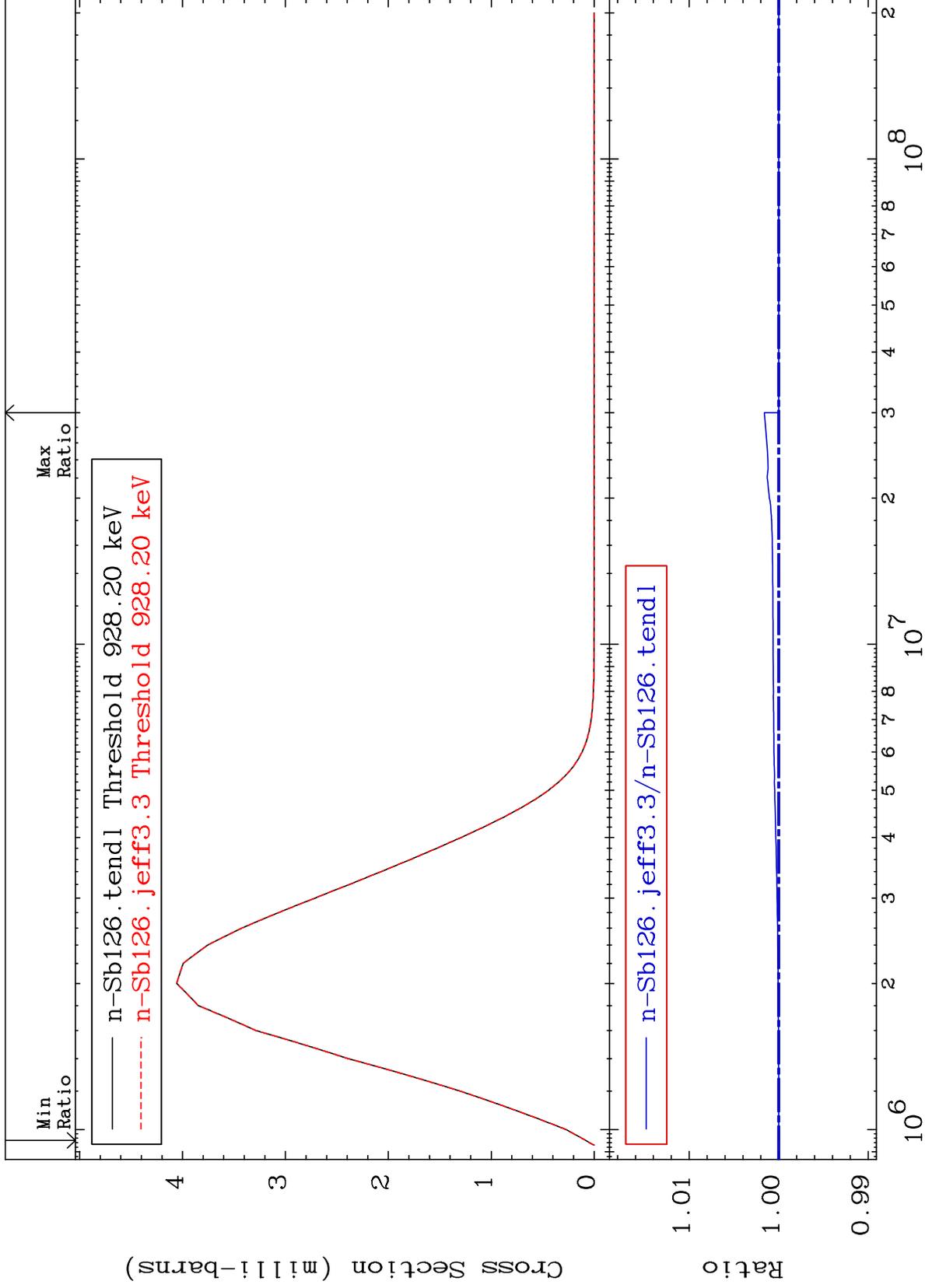
Incident Energy (eV)

51-Sb-126

MAT 5140

MT= 74 (n,n') Level
Cross Section

51-Sb-126
To 0.161 %



34

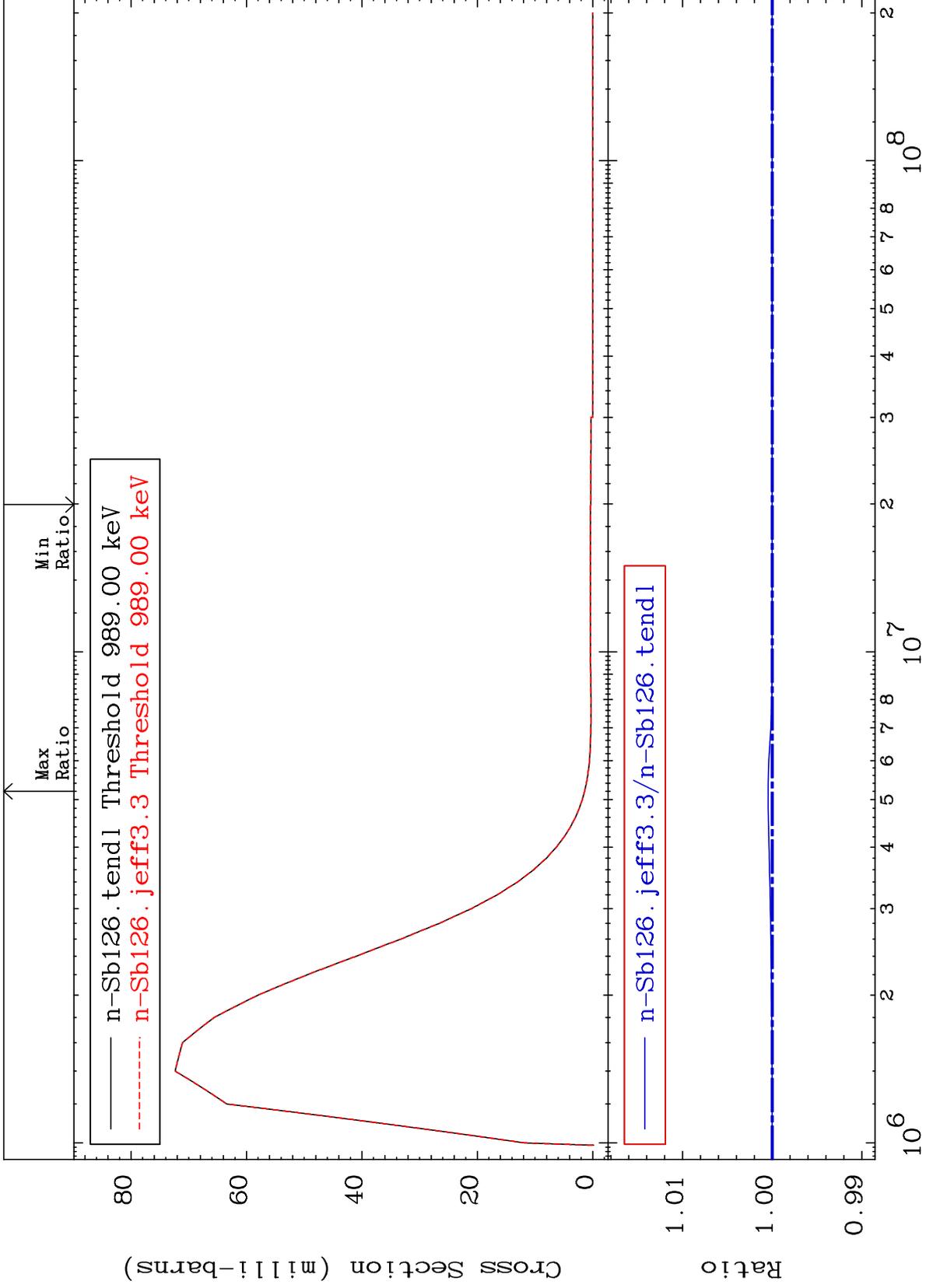
Incident Energy (eV)

51-Sb-126

MAT 5140

MT= 75 (n,n') Level
Cross Section

51-Sb-126
To 0.045 %



35

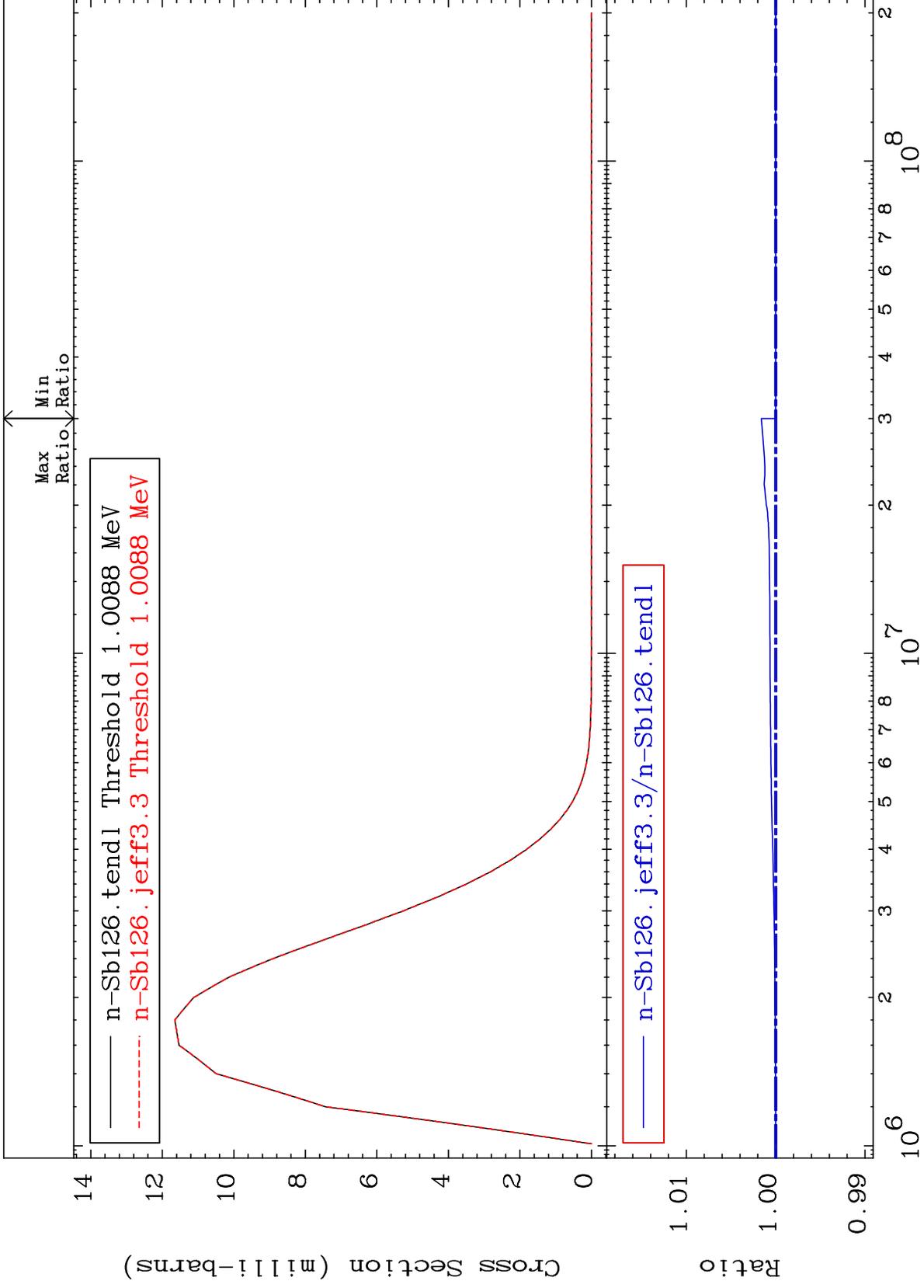
Incident Energy (eV)

51-Sb-126

MAT 5140

MT= 76 (n,n') Level
Cross Section

51-Sb-126
To 0.161 %



36

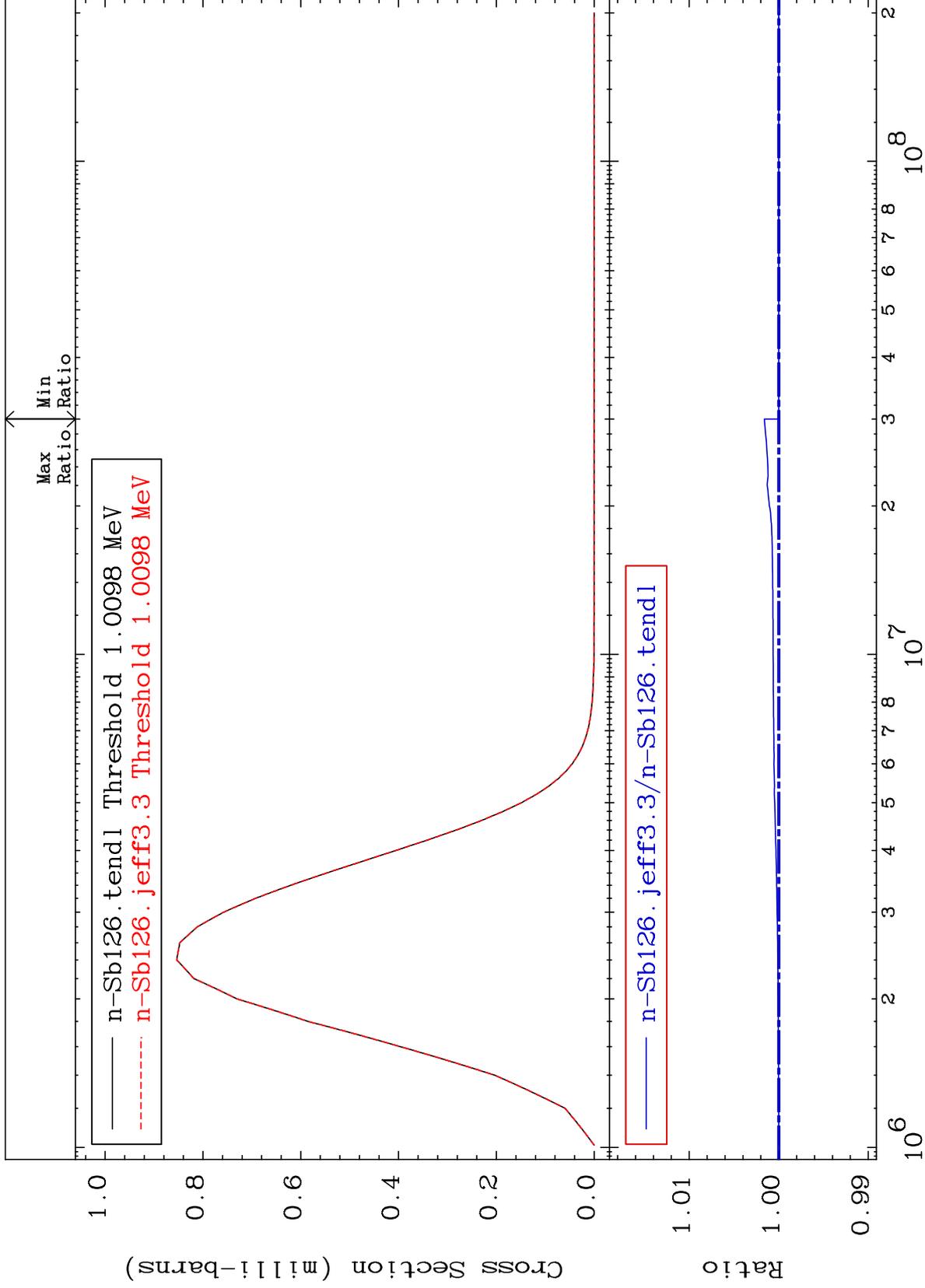
Incident Energy (eV)

51-Sb-126

MAT 5140

MT= 77 (n,n') Level
Cross Section

51-Sb-126
To 0.161 %



37

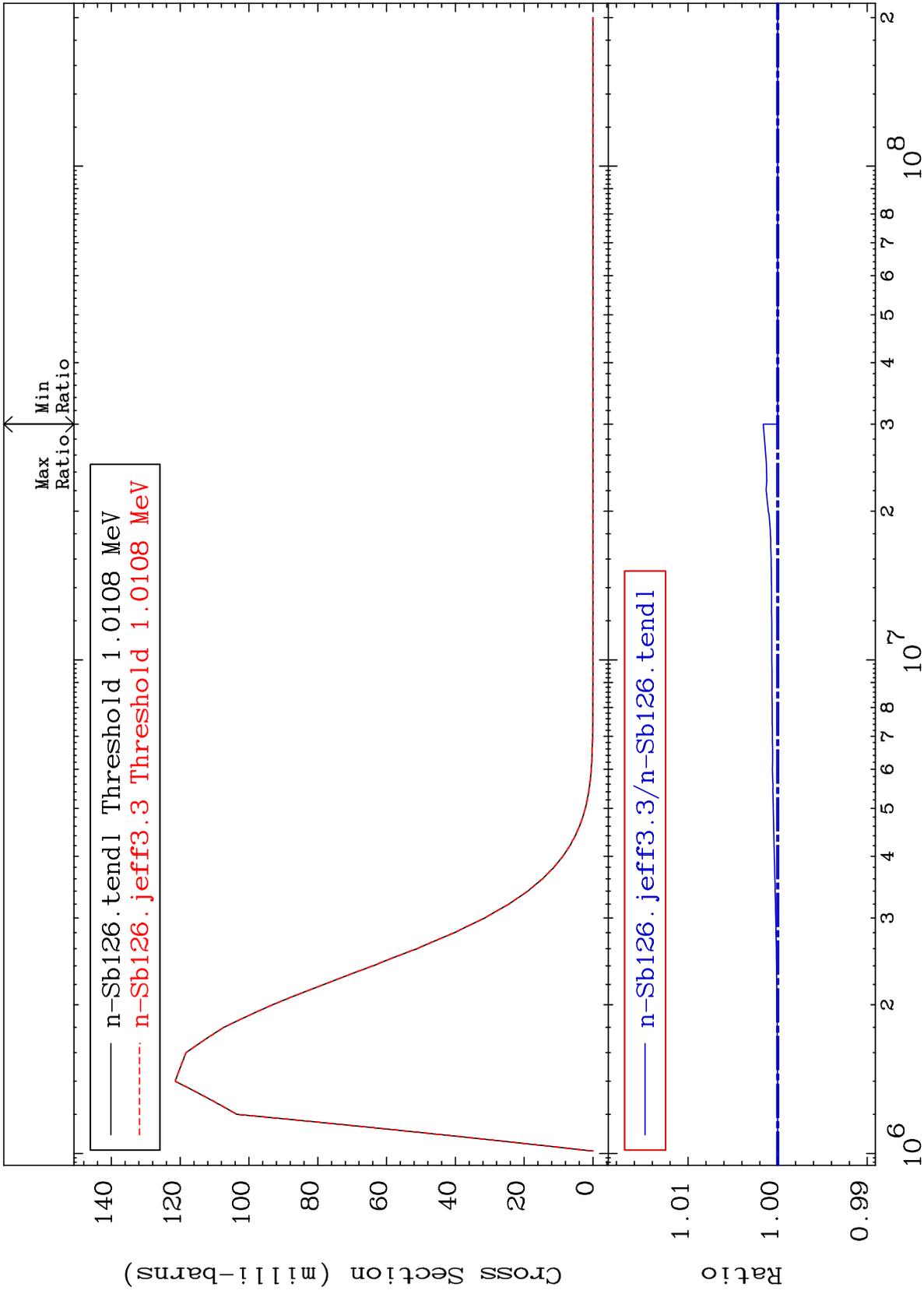
Incident Energy (eV)

51-Sb-126

MAT 5140

MT= 78 (n,n') Level
Cross Section

51-Sb-126
To 0.162 %



38

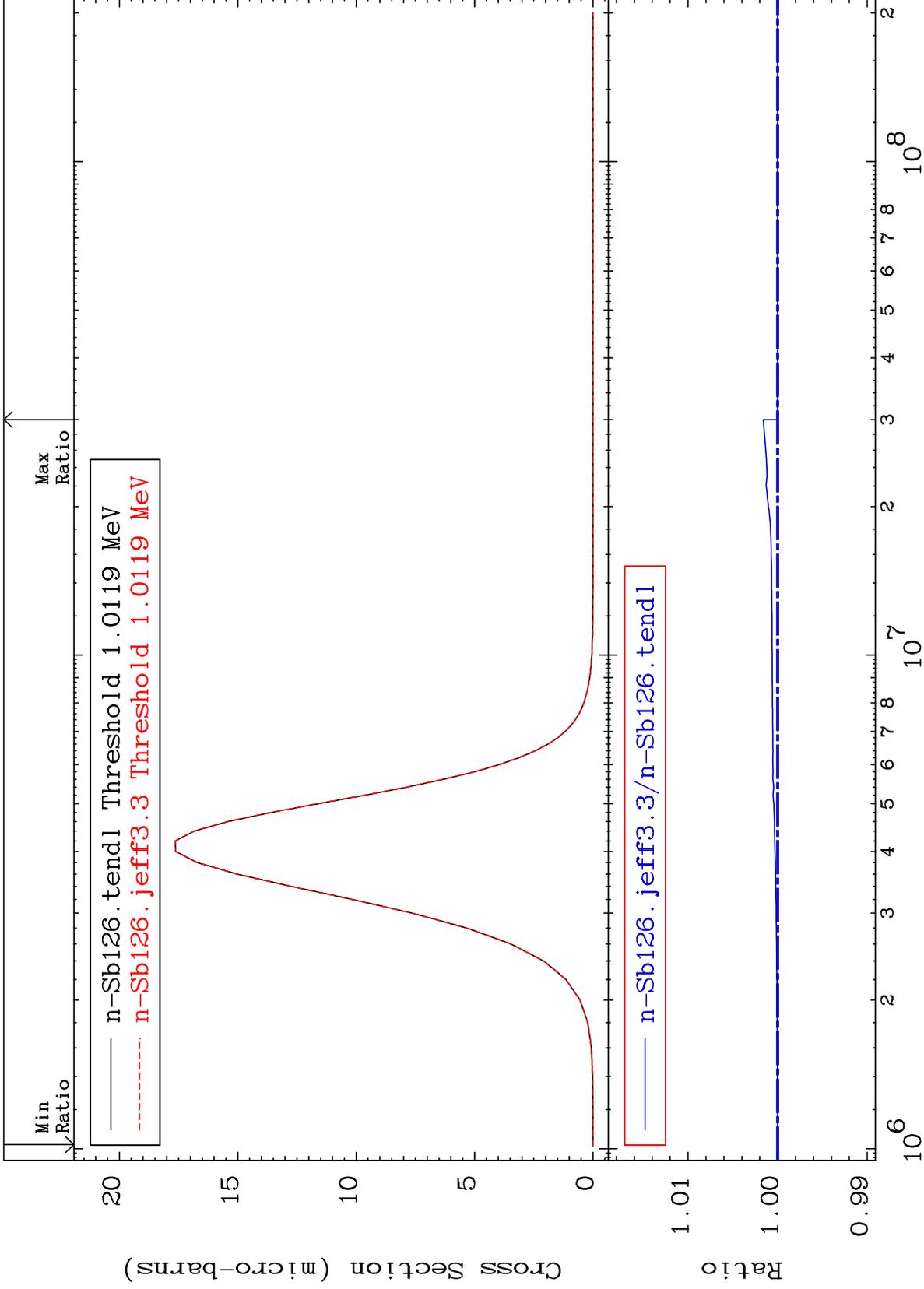
Incident Energy (eV)

51-Sb-126

MAT 5140

MT= 79 (n,n') Level
Cross Section

51-Sb-126
To 0.161 %



39

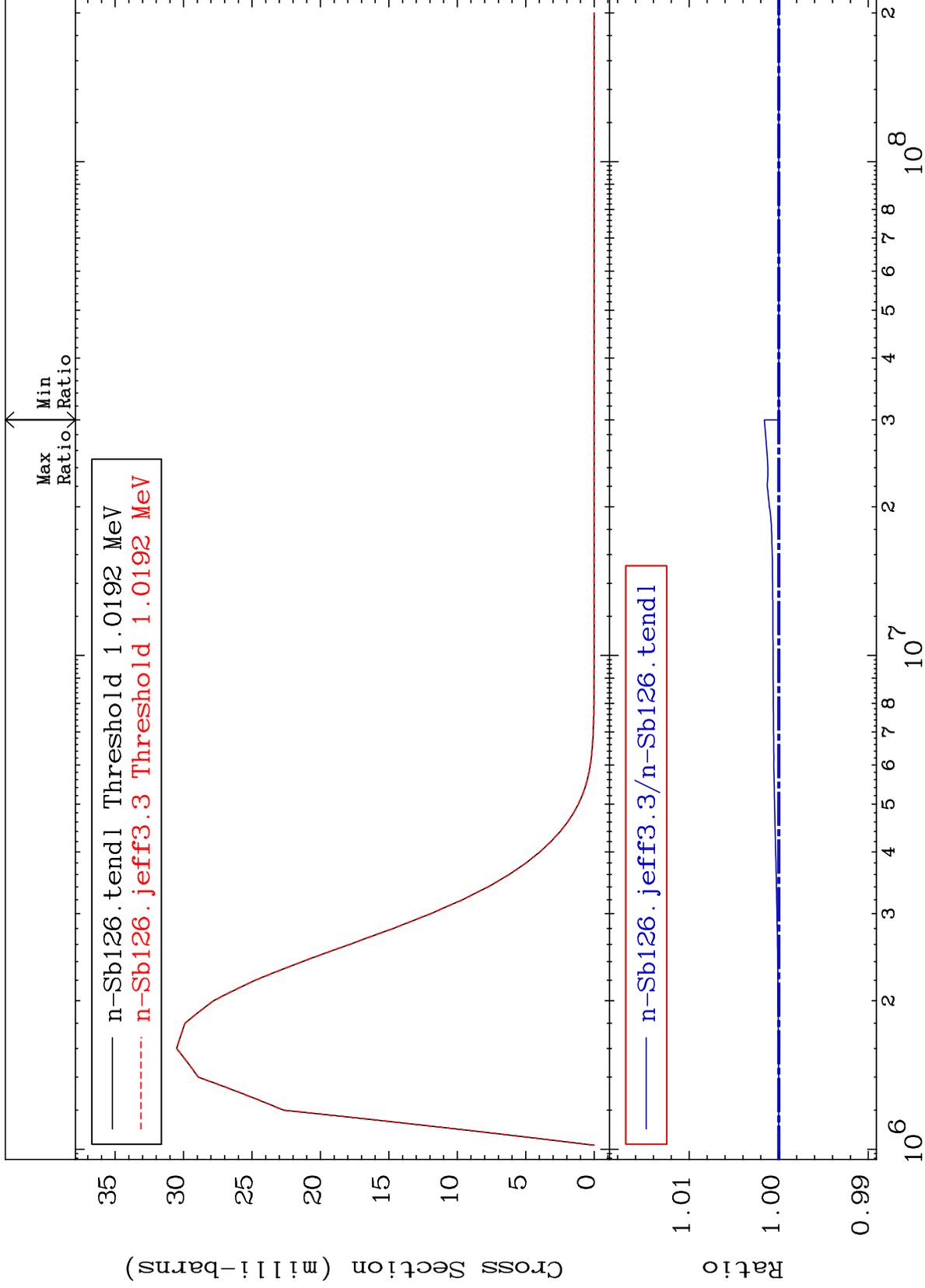
Incident Energy (eV)

51-Sb-126

MAT 5140

MT= 80 (n,n') Level
Cross Section

51-Sb-126
To 0.161 %



40

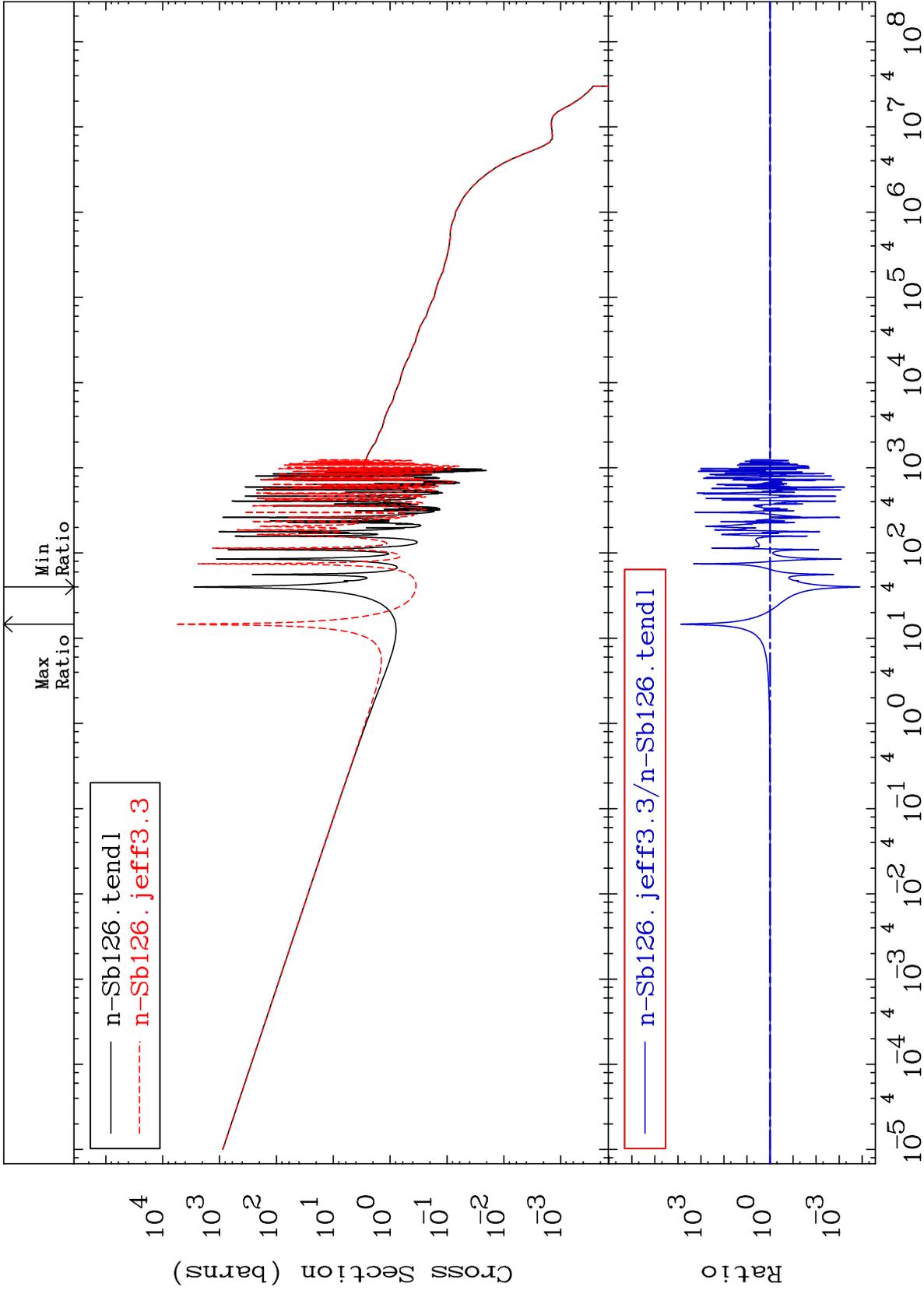
Incident Energy (eV)

51-Sb-126

MAT 5140

(n, γ)
Cross Section

51-Sb-126
-99.99 To 9999. %



41

51-Sb-126

MAT 5140

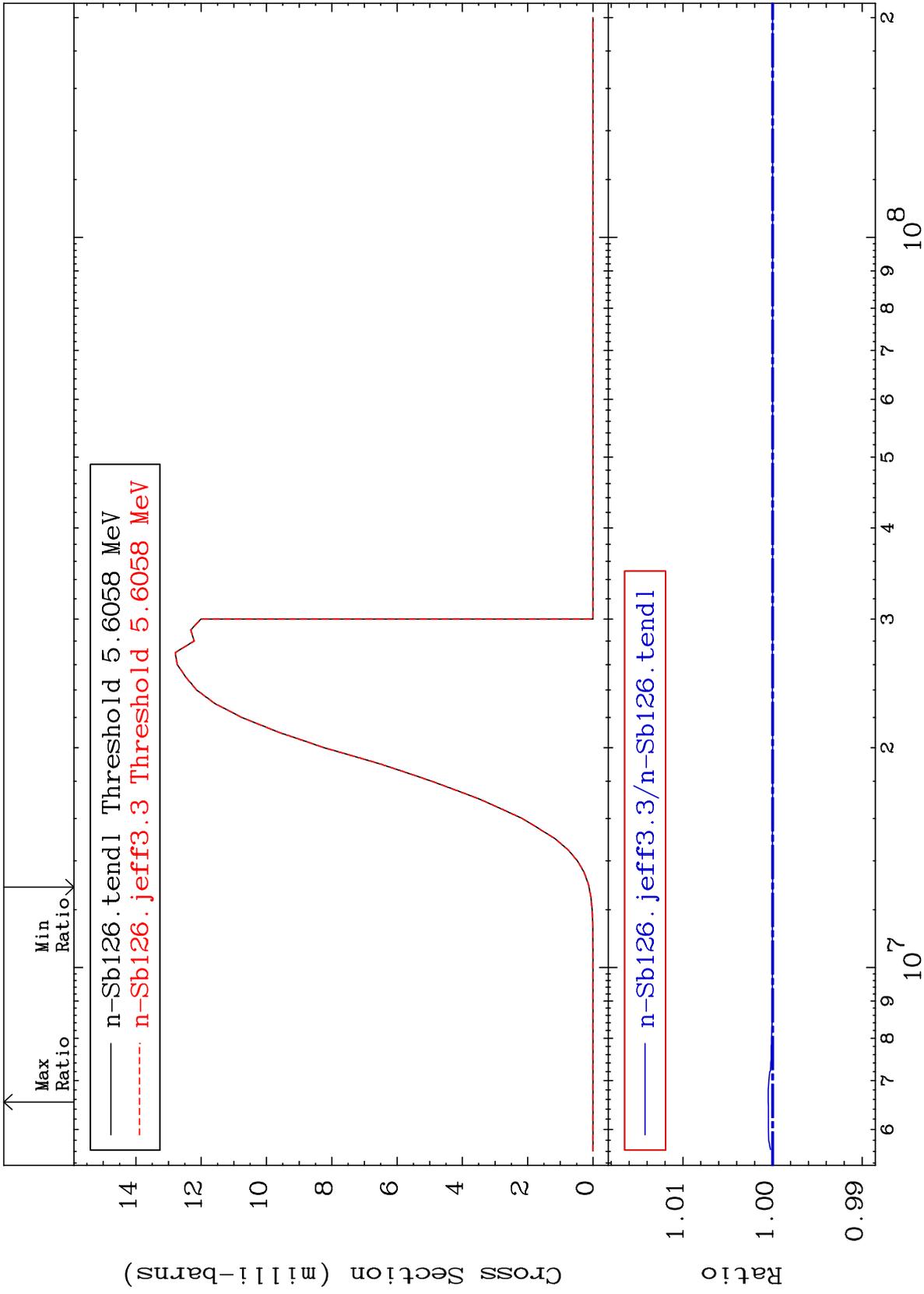
(n, d)

51-Sb-126

Cross Section

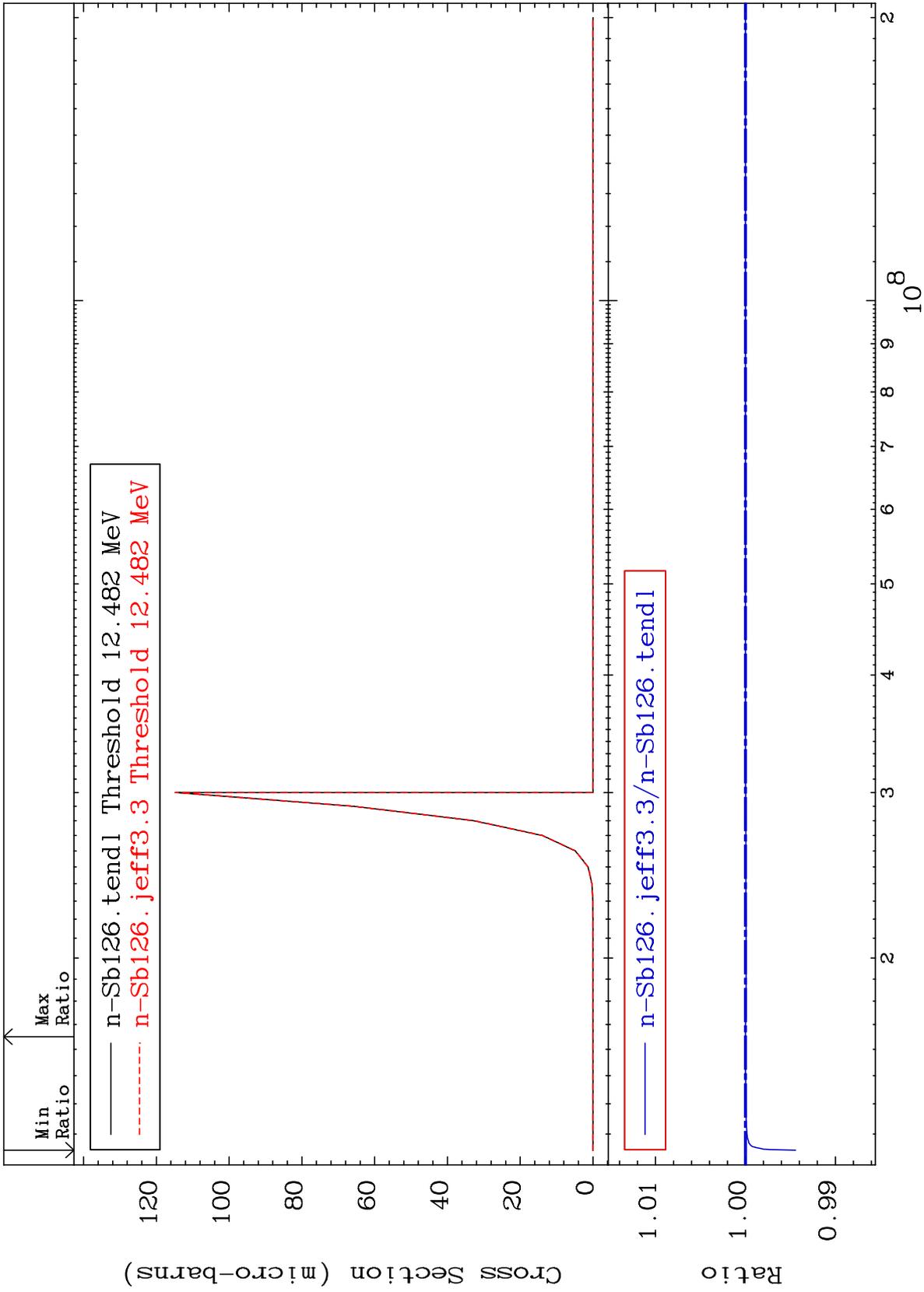
0.000

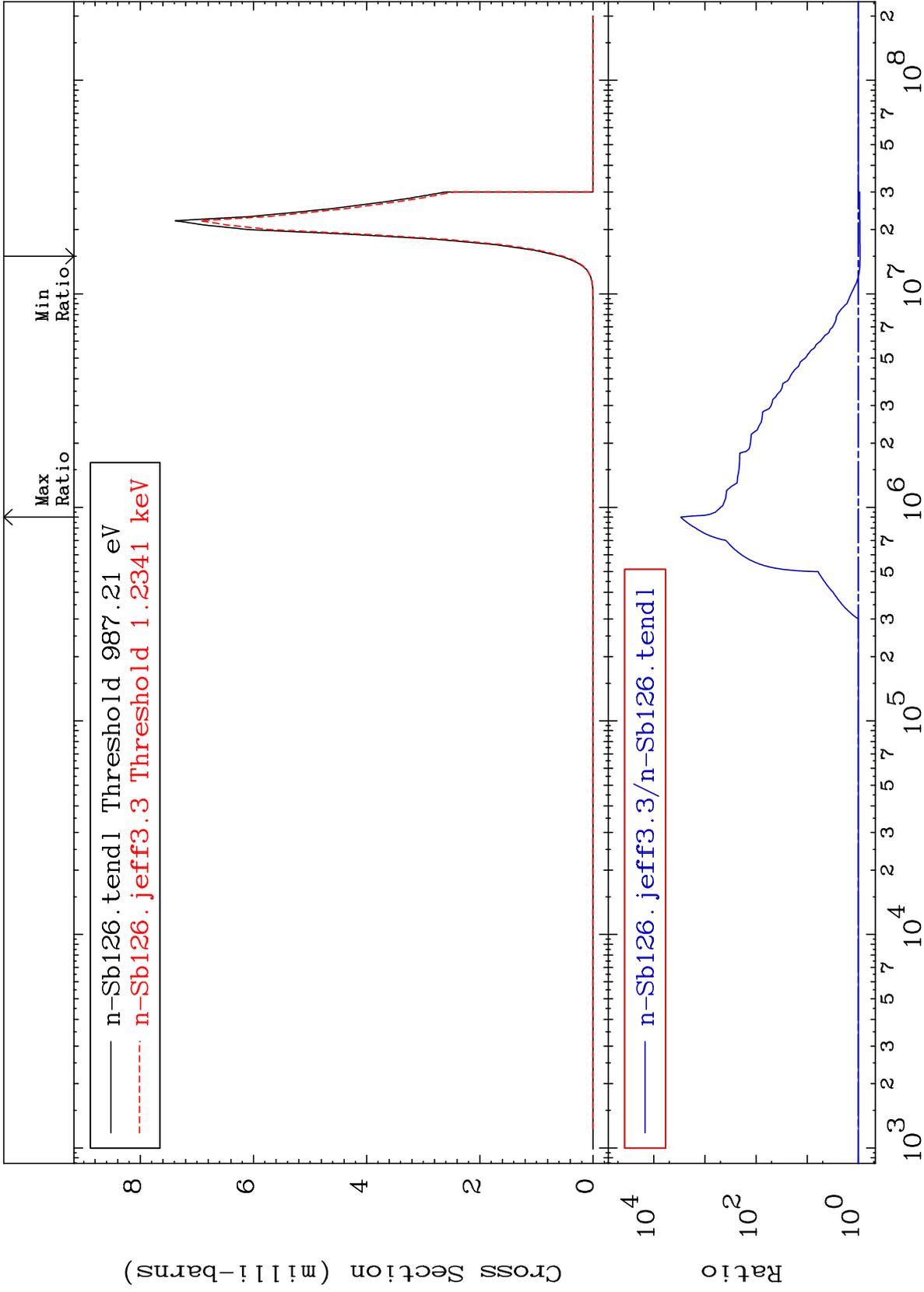
To 0.048 %



Cross Section

-0.556 To 0.000 %





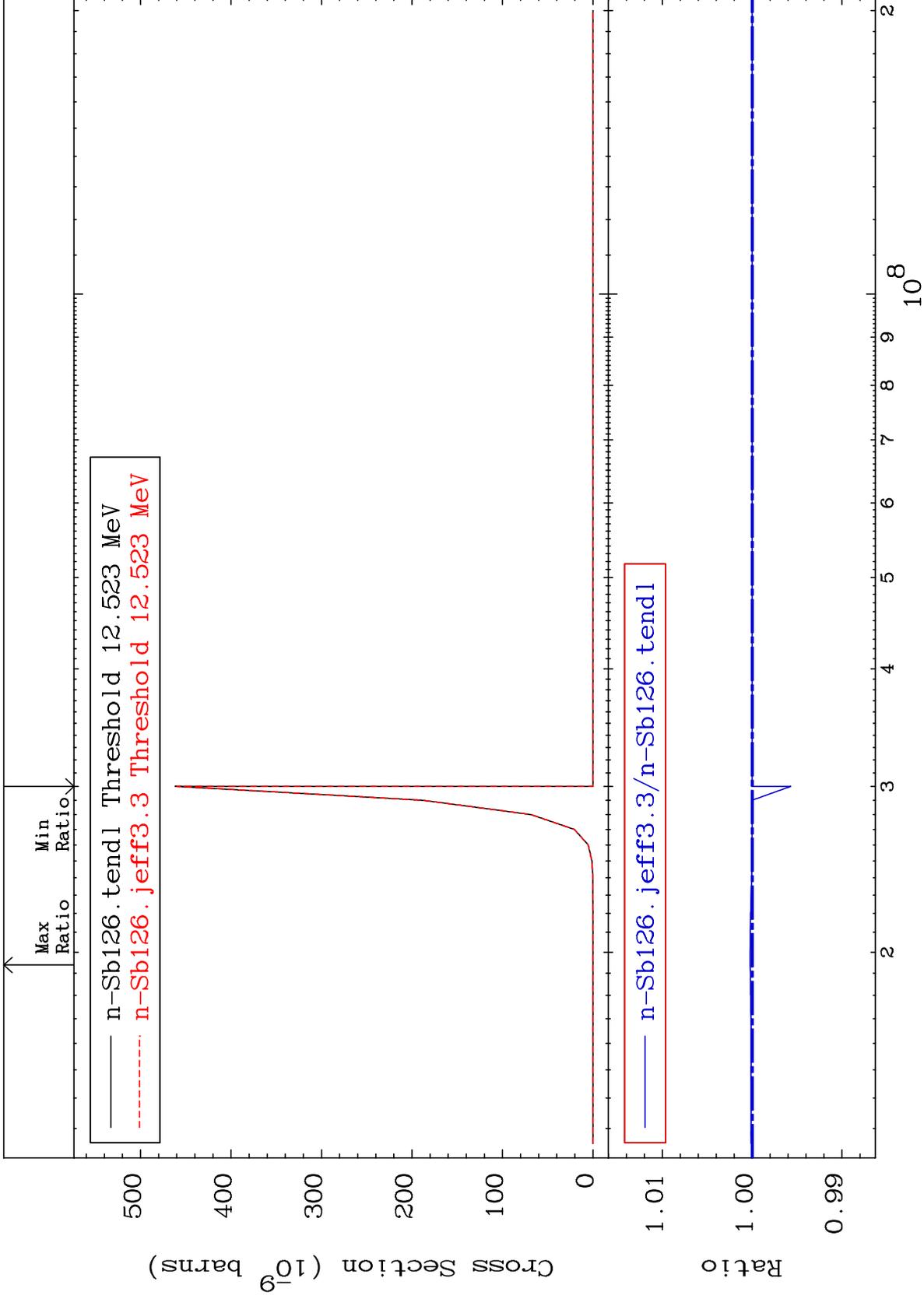
MAT 5140

(n,2p)

51-Sb-126

Cross Section

-0.430 To 0.024 %



45

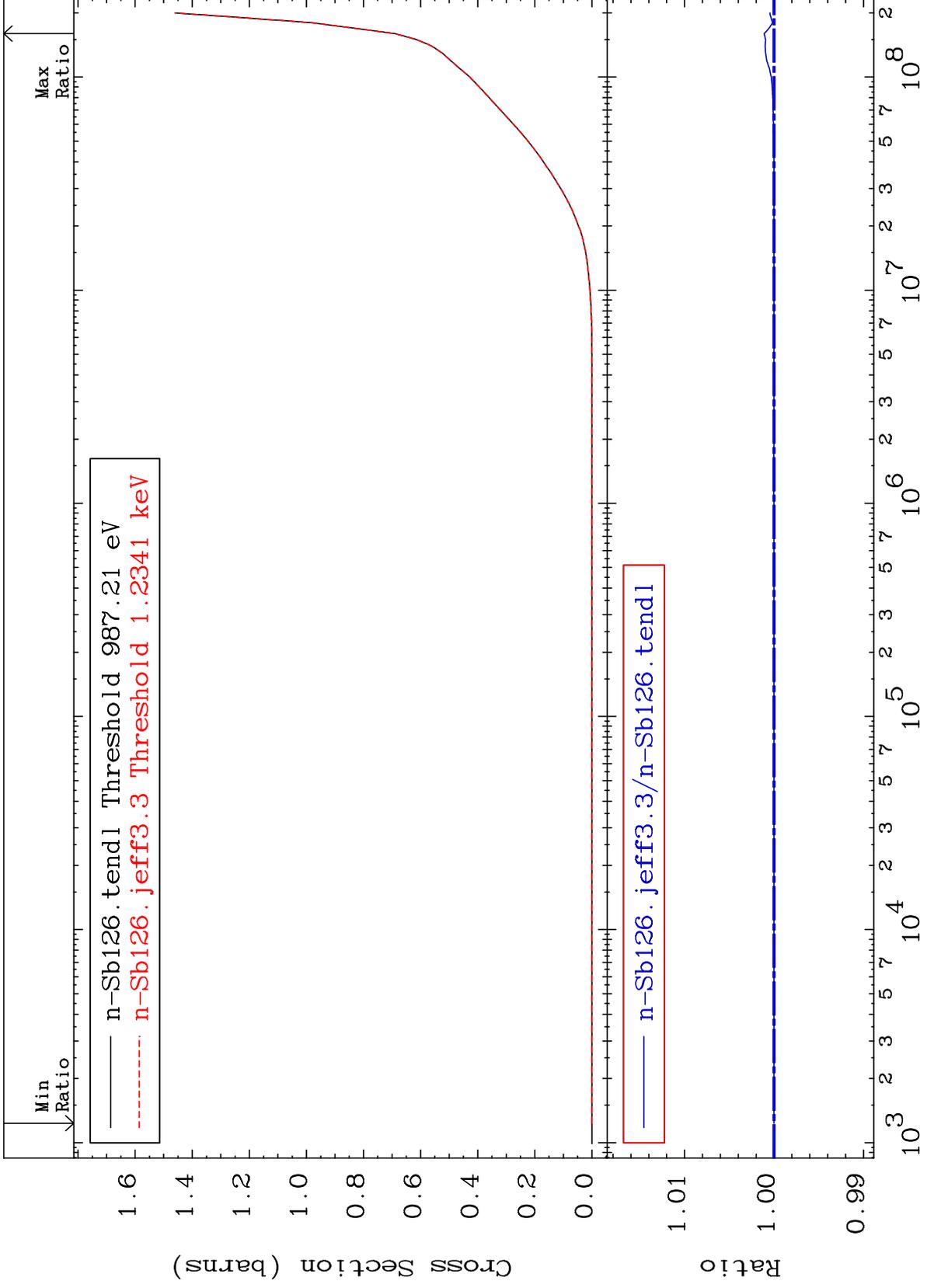
Incident Energy (eV)

51-Sb-126

MAT 5140

Hydrogen Production
Cross Section

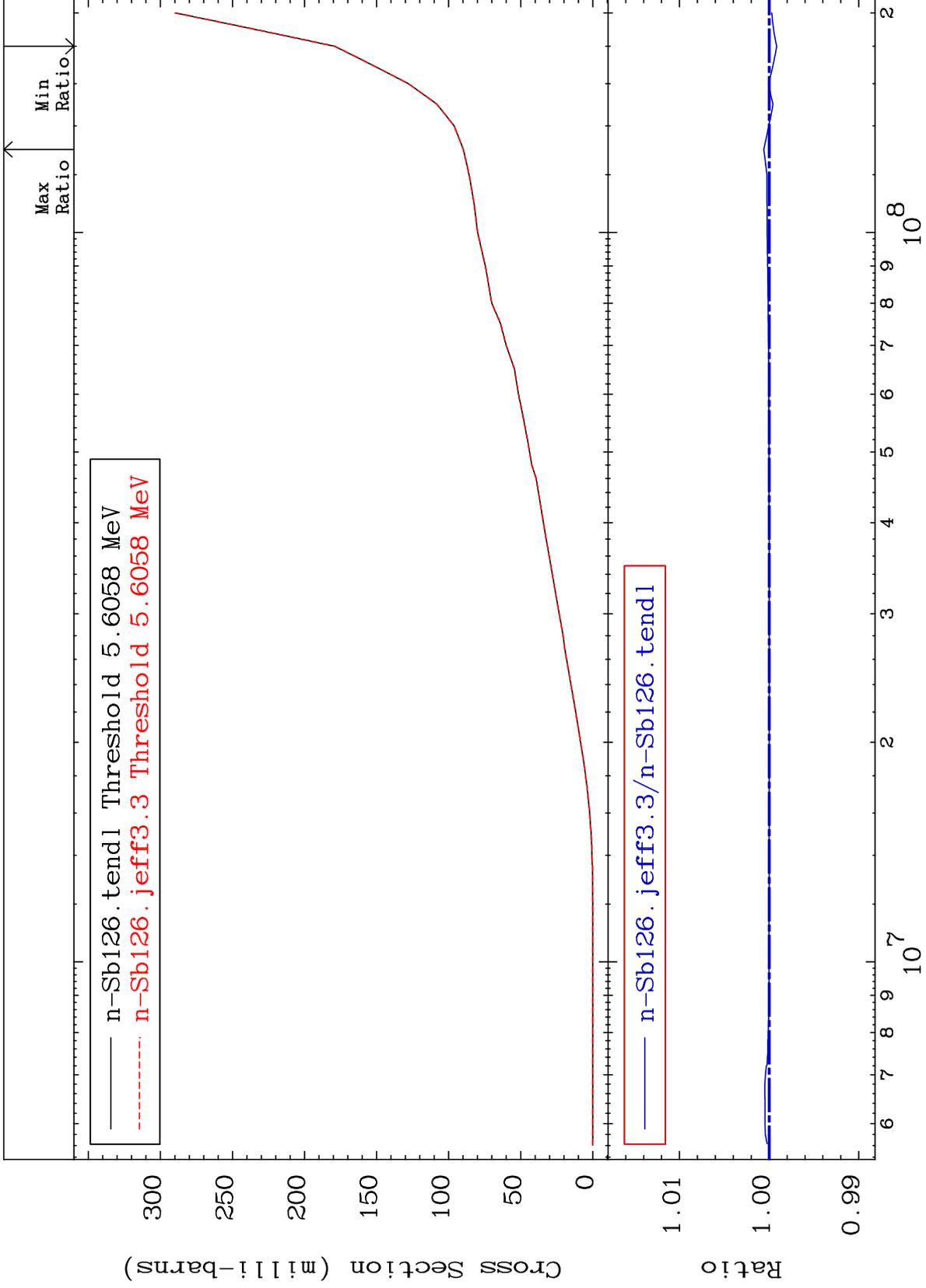
51-Sb-126
0.000 To 0.111 %



MAT 5140

Deuterium Production
Cross Section

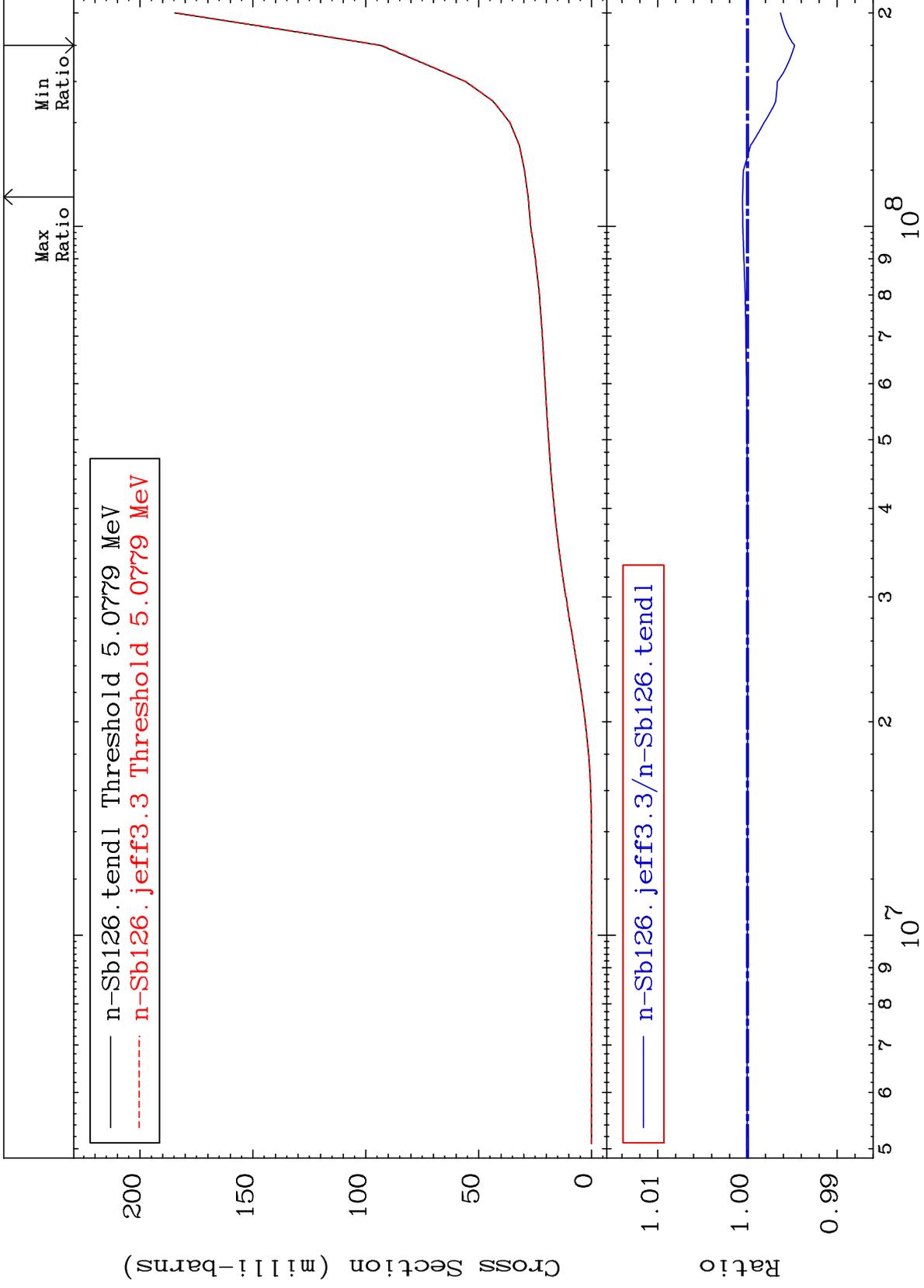
51-Sb-126
-0.083 To 0.061 %



MAT 5140

Tritium Production
Cross Section

51-Sb-126
-0.525 To 0.056 %



48

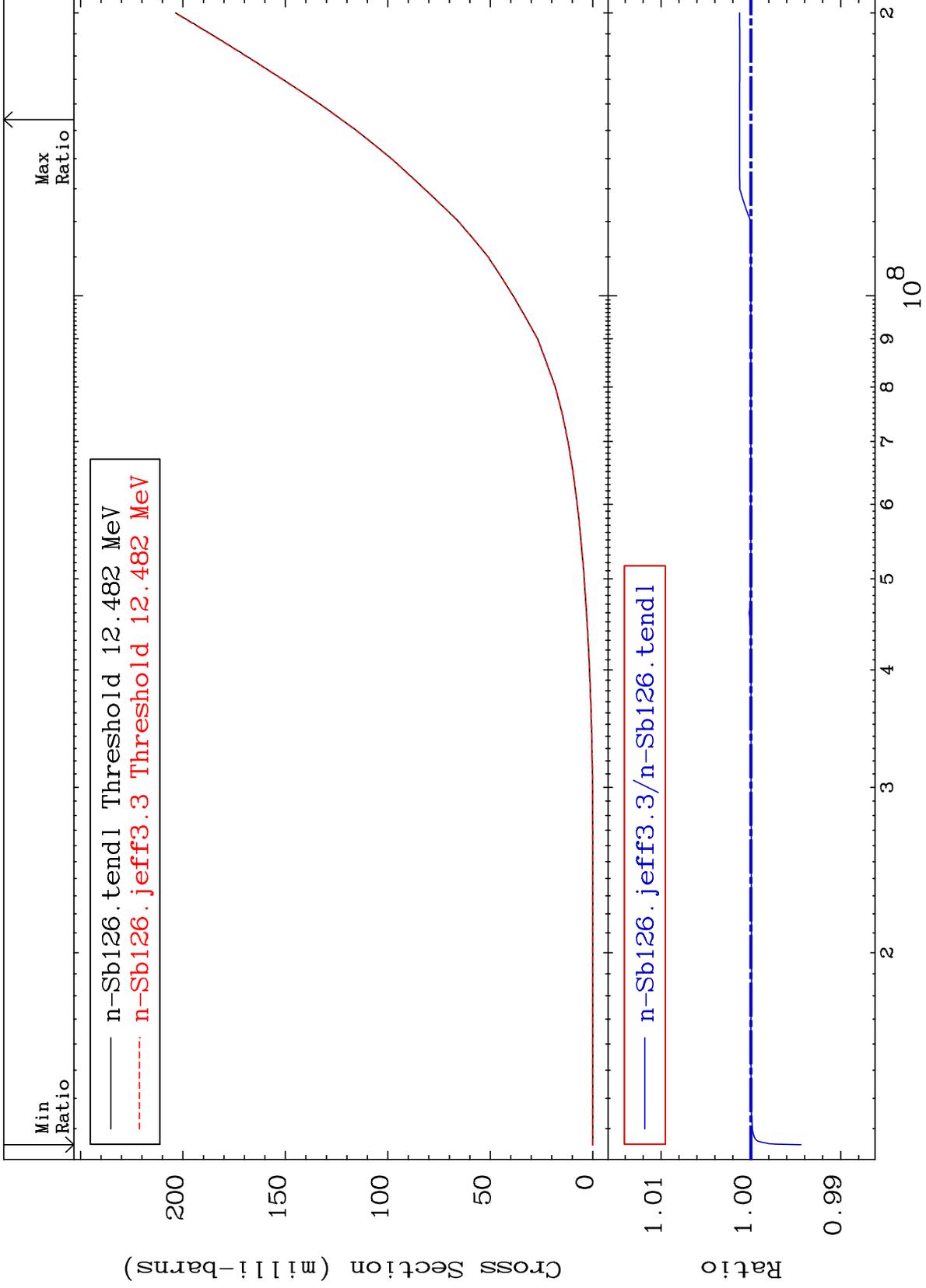
Incident Energy (eV)

51-Sb-126

MAT 5140

He-3 Production
Cross Section

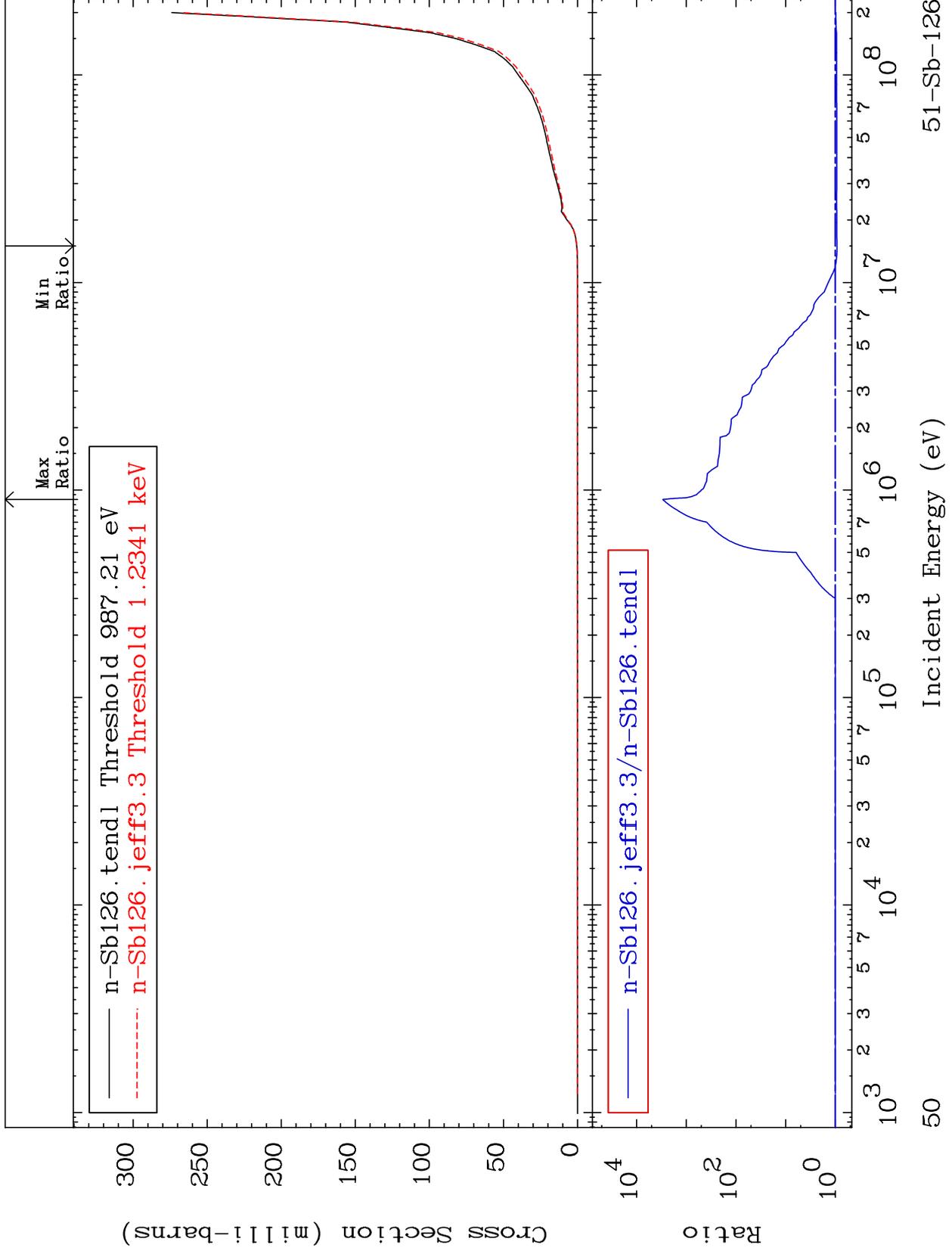
51-Sb-126
-0.556 To 0.127 %



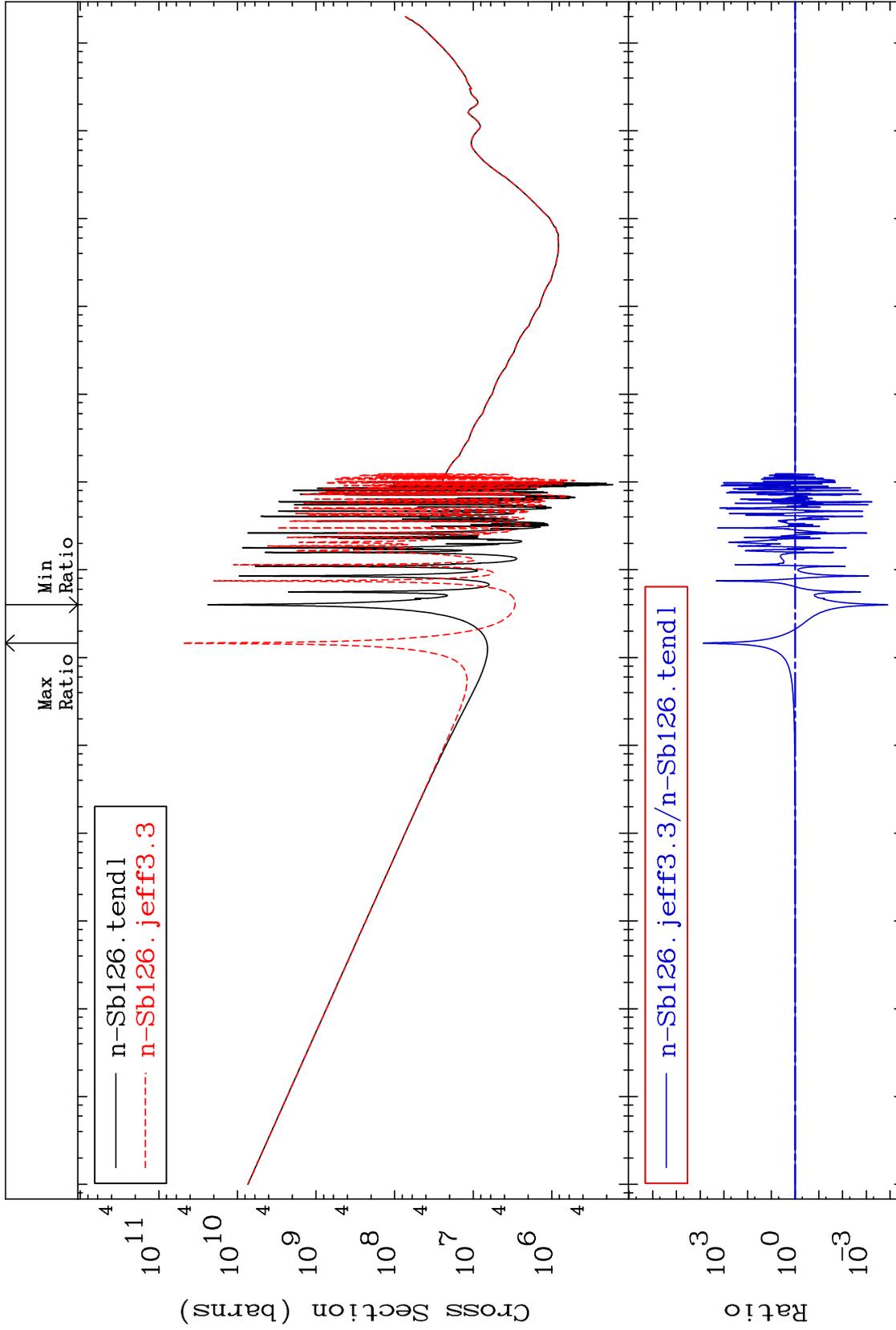
MAT 5140

He-4 Production
Cross Section

51-Sb-126
-7.136 To 9999. %



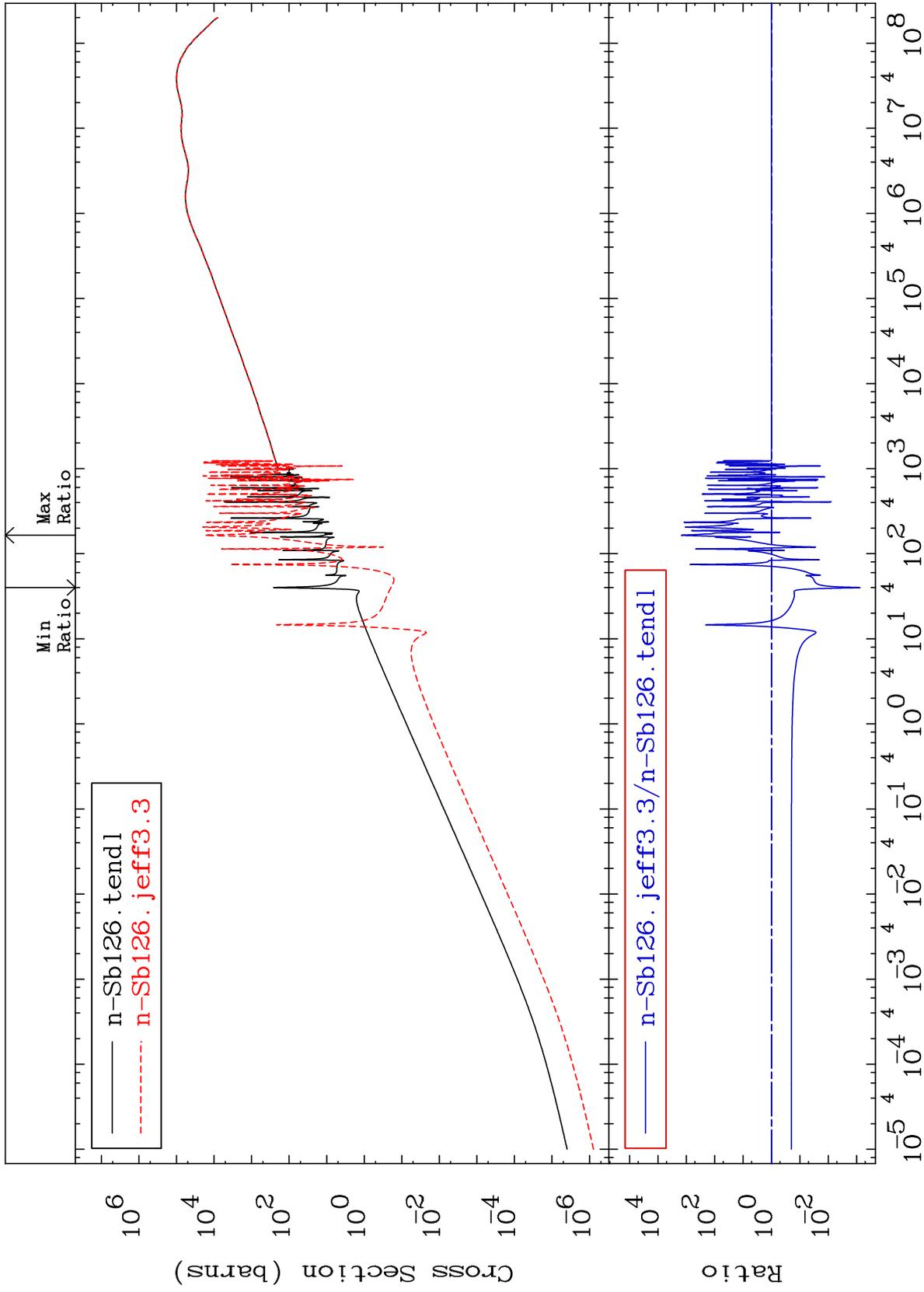
51-Sb-126



MAT 5140

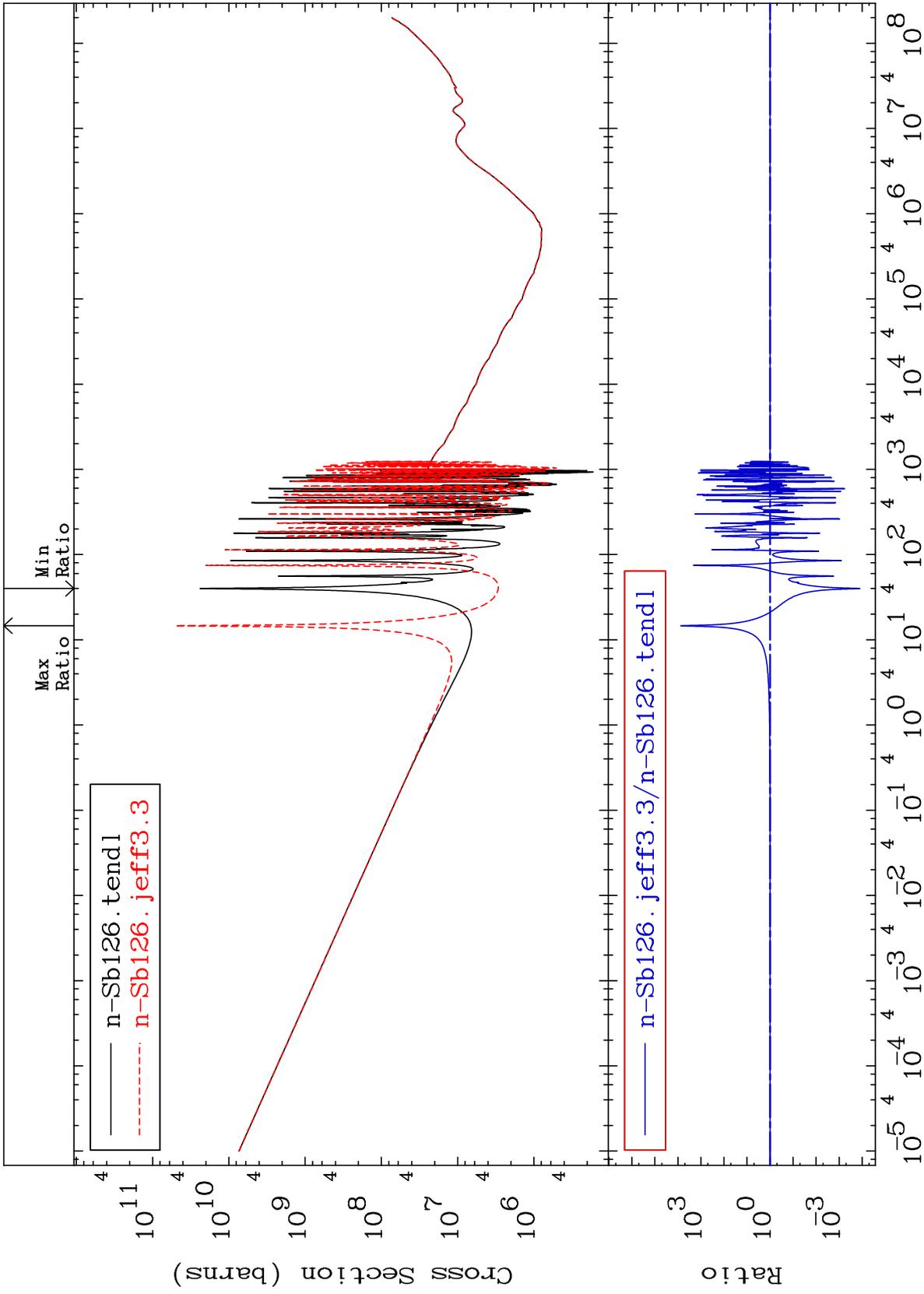
Kerma elastic
Cross Section

51-Sb-126
-99.93 To 9999. %



— n-Sb126.tendl
- - - n-Sb126.jeff3.3

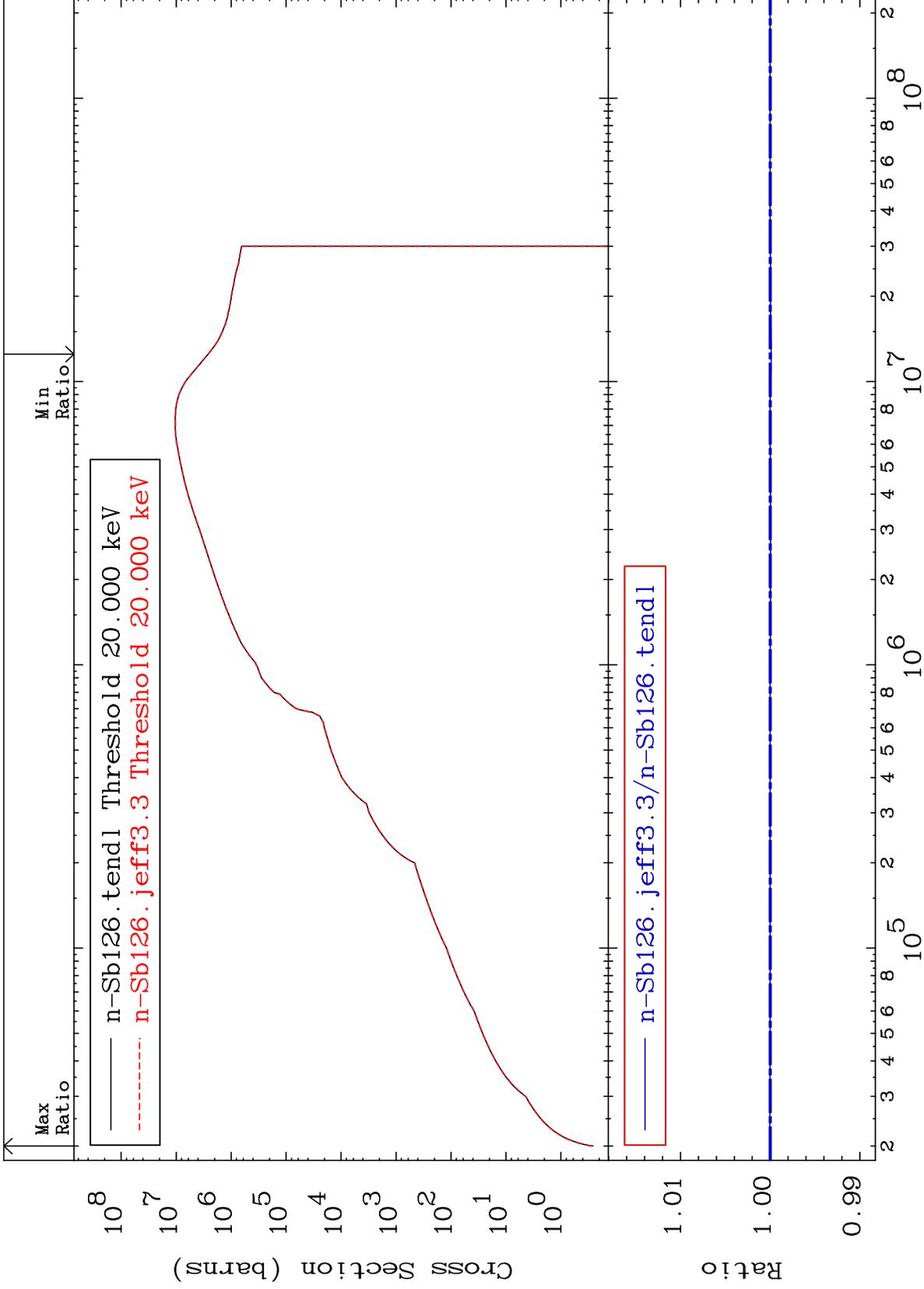
— n-Sb126.jeff3.3/n-Sb126.tendl

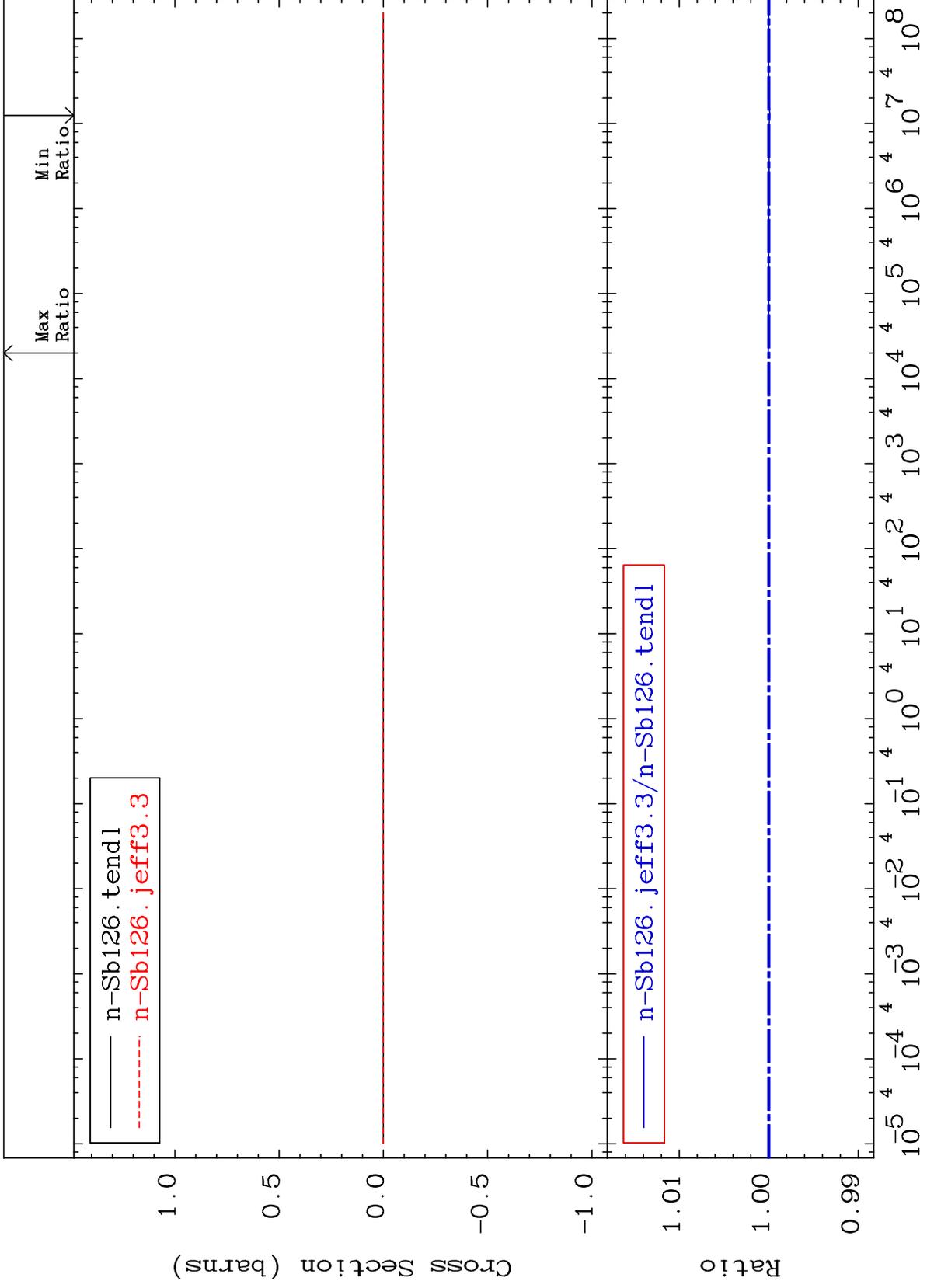


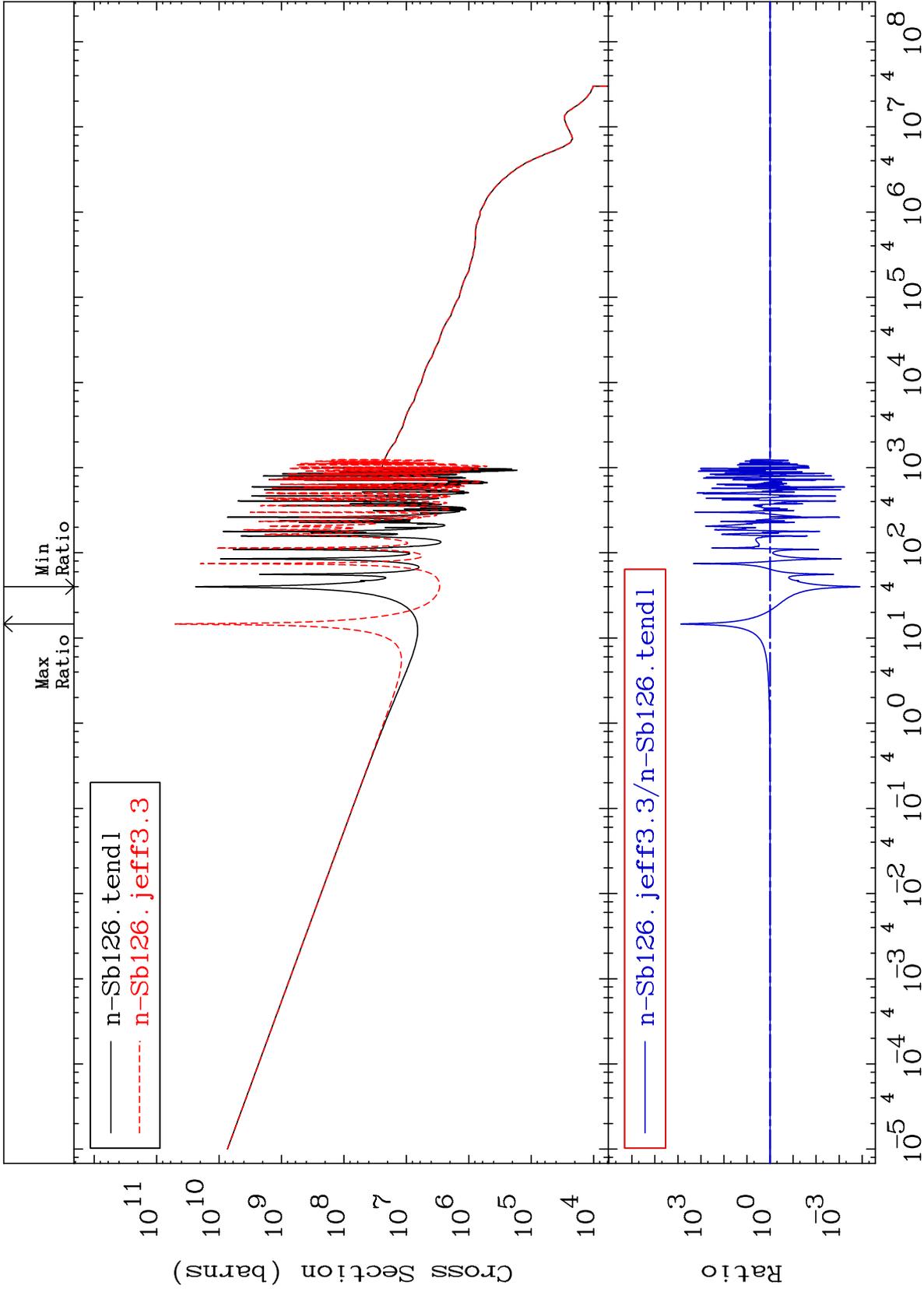
MAT 5140

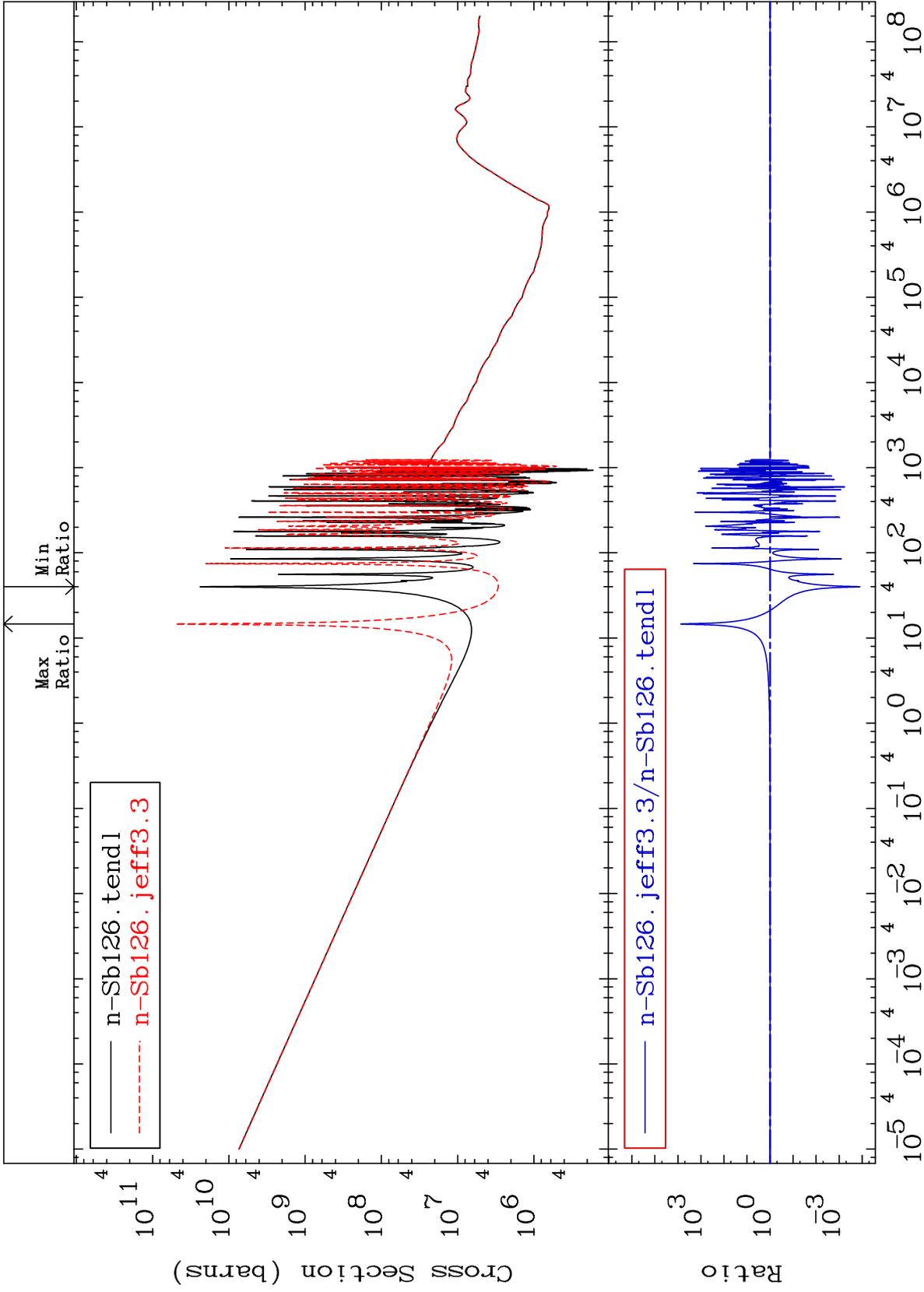
Kerma inelastic (mt51-91)
Cross Section

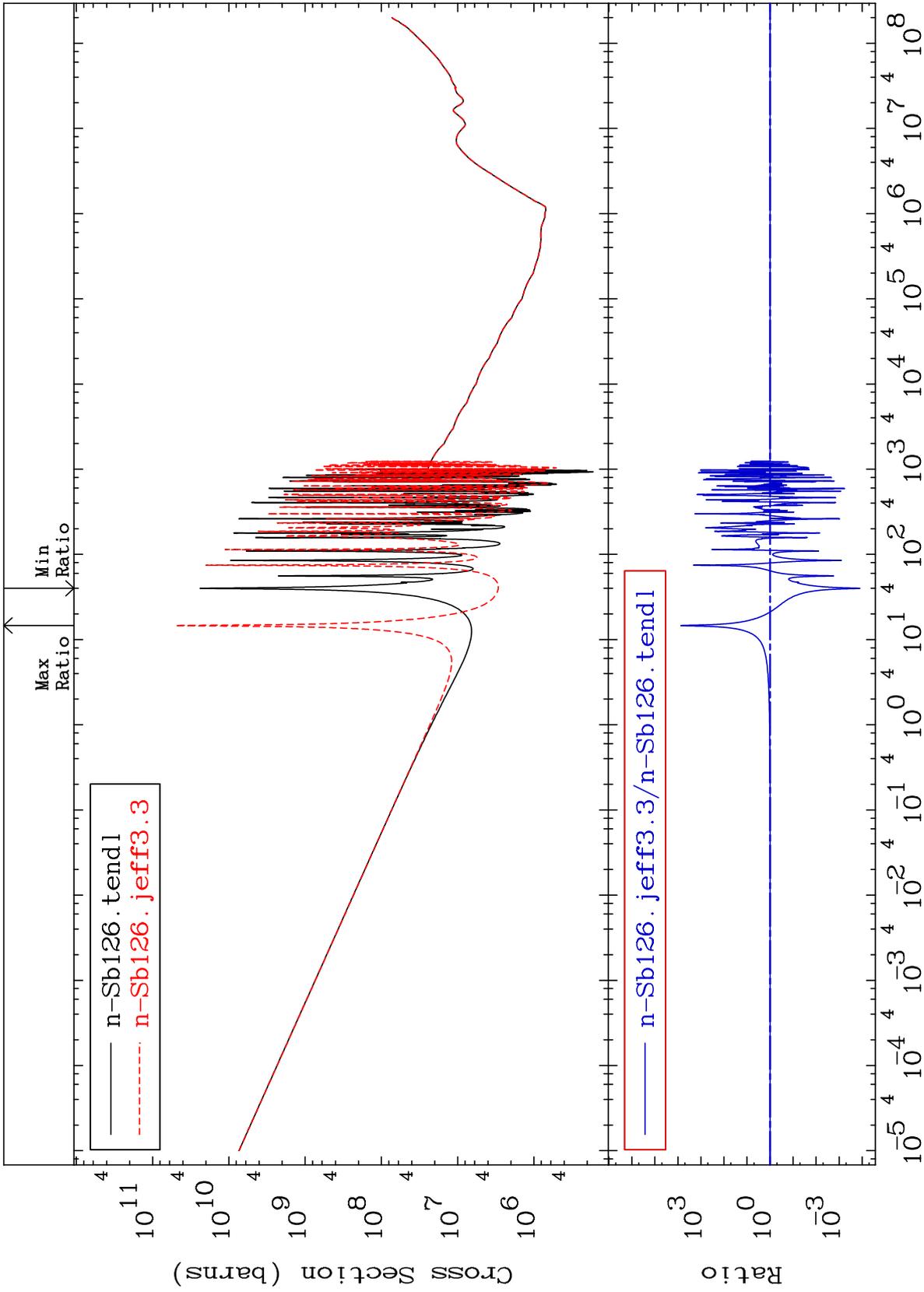
51-Sb-126
-0.011 To 0.005 %

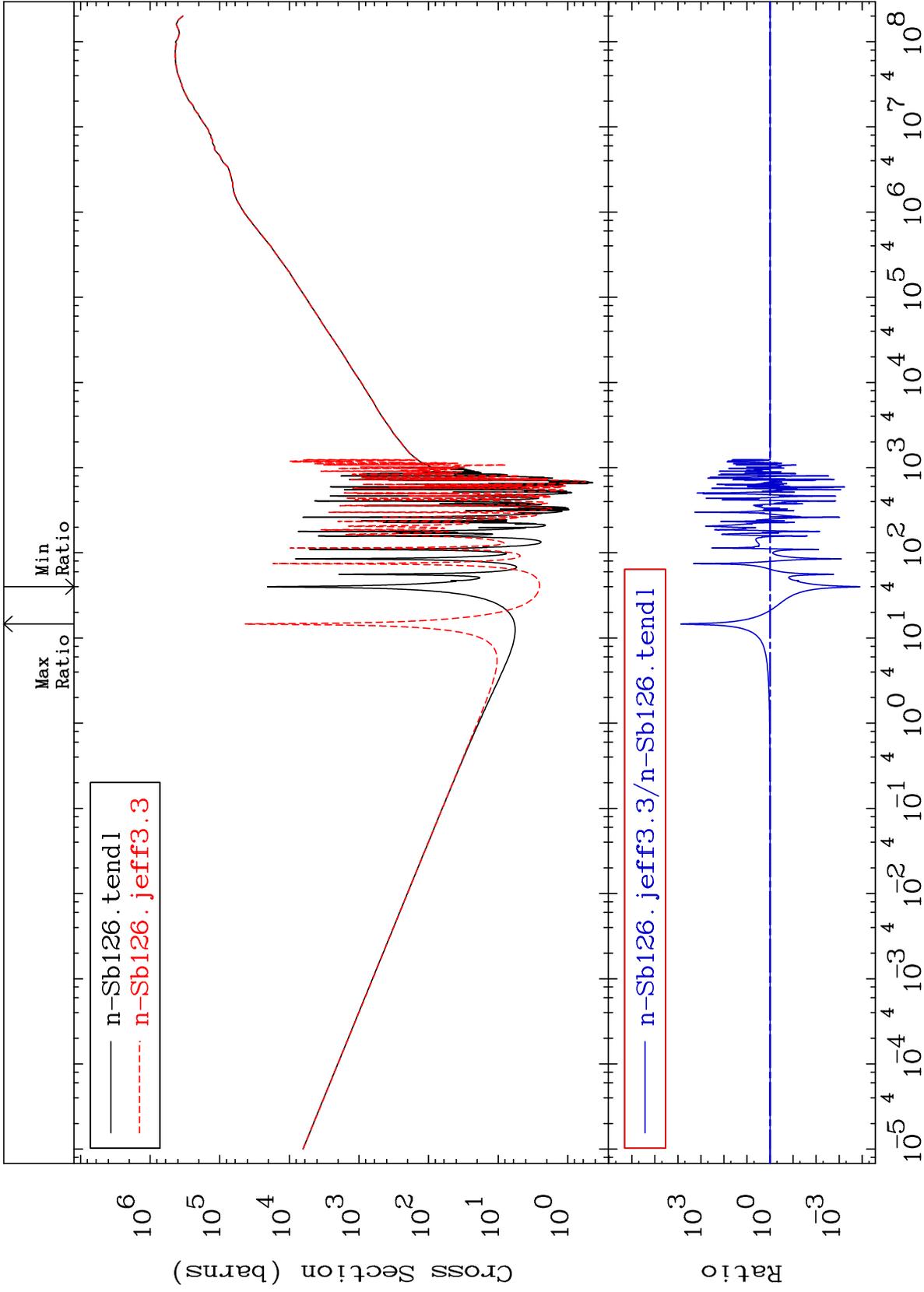








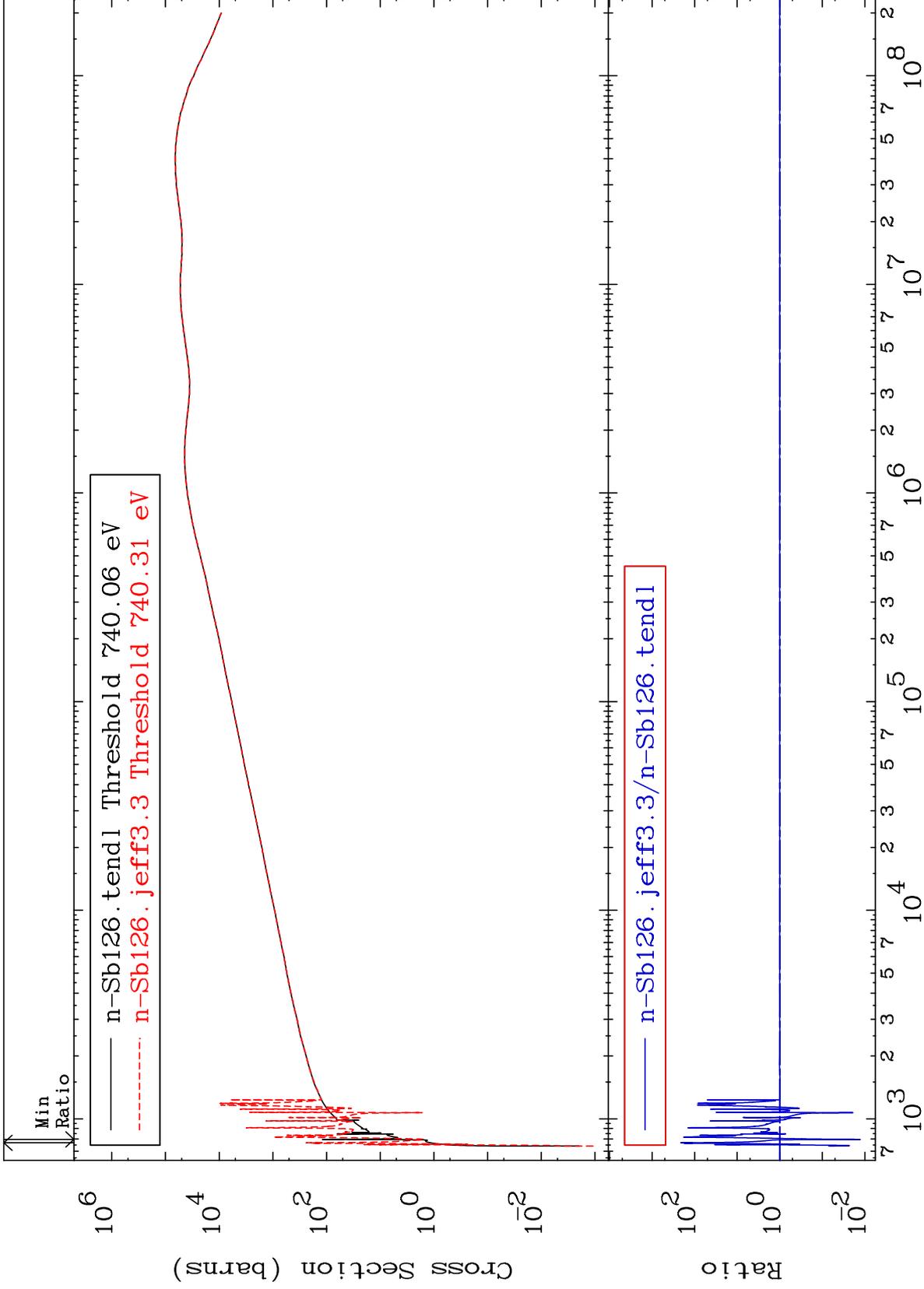




MAT 5140

Dpa elastic (mt2)
Cross Section

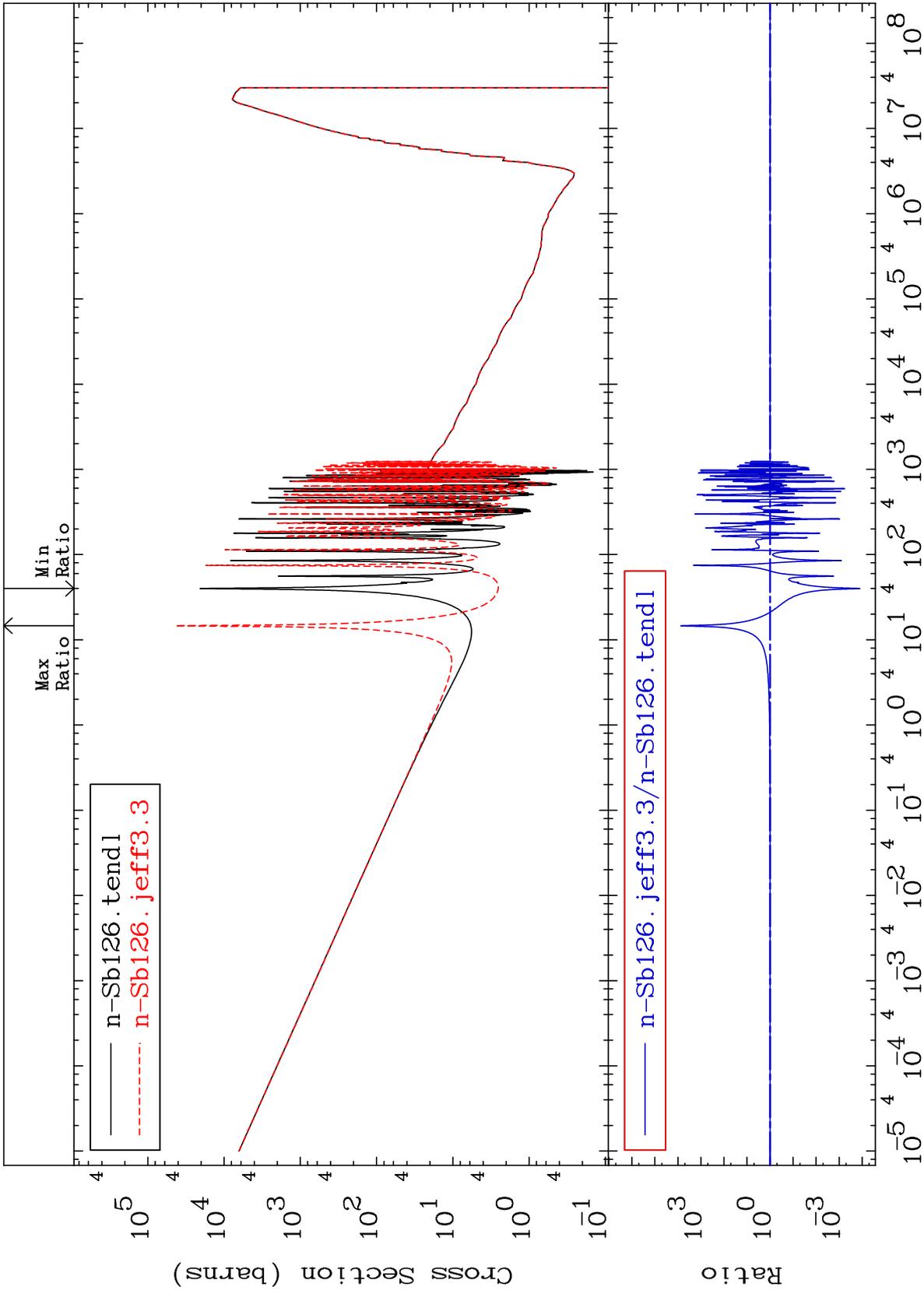
51-Sb-126
-98.71 To 9999. %



60

Incident Energy (eV)

51-Sb-126

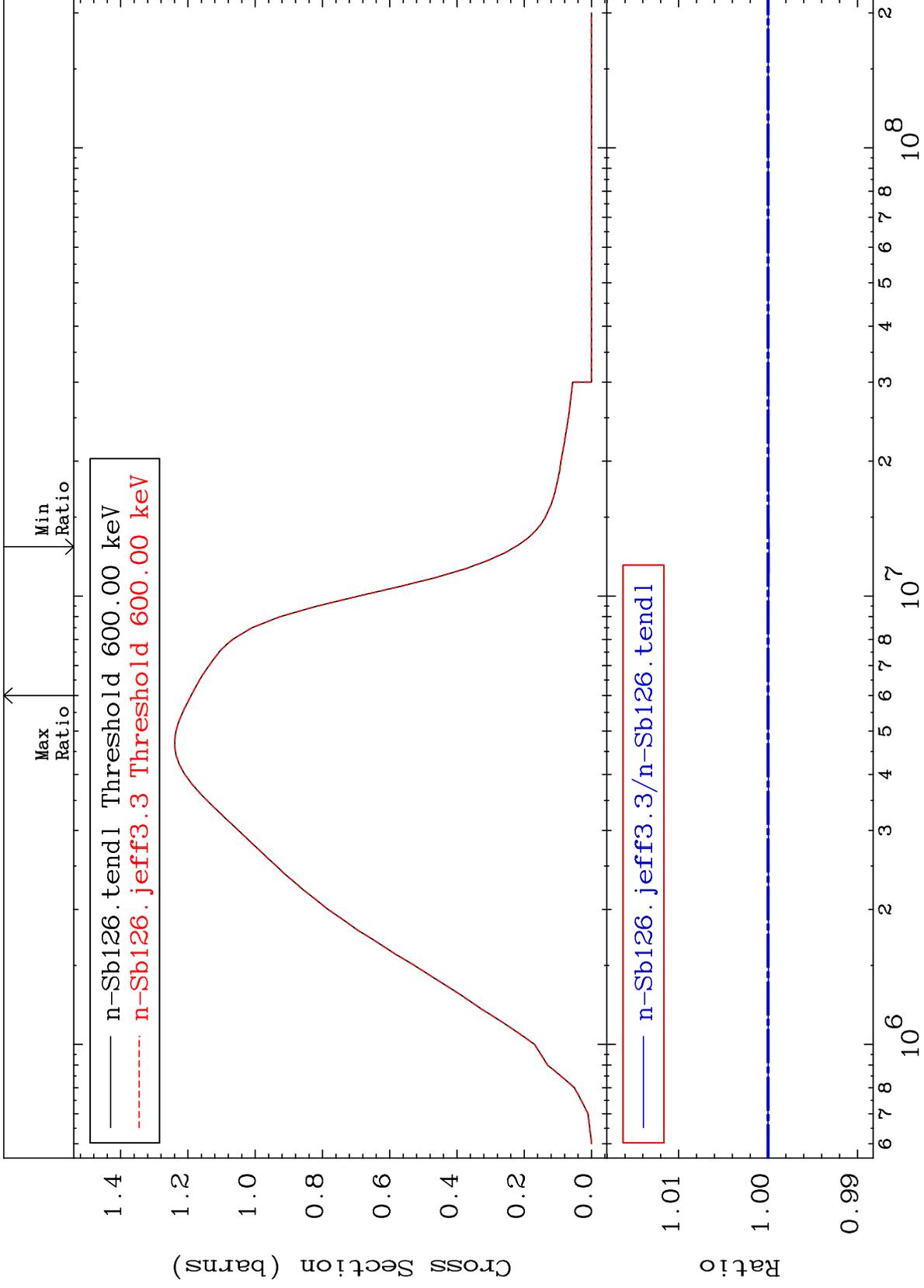


MAT 5140

Inelastic:51-Sb-126g

51-Sb-126

Radionuclide Production Cross Section -0.011 To 0.002 %



62

Incident Energy (eV)

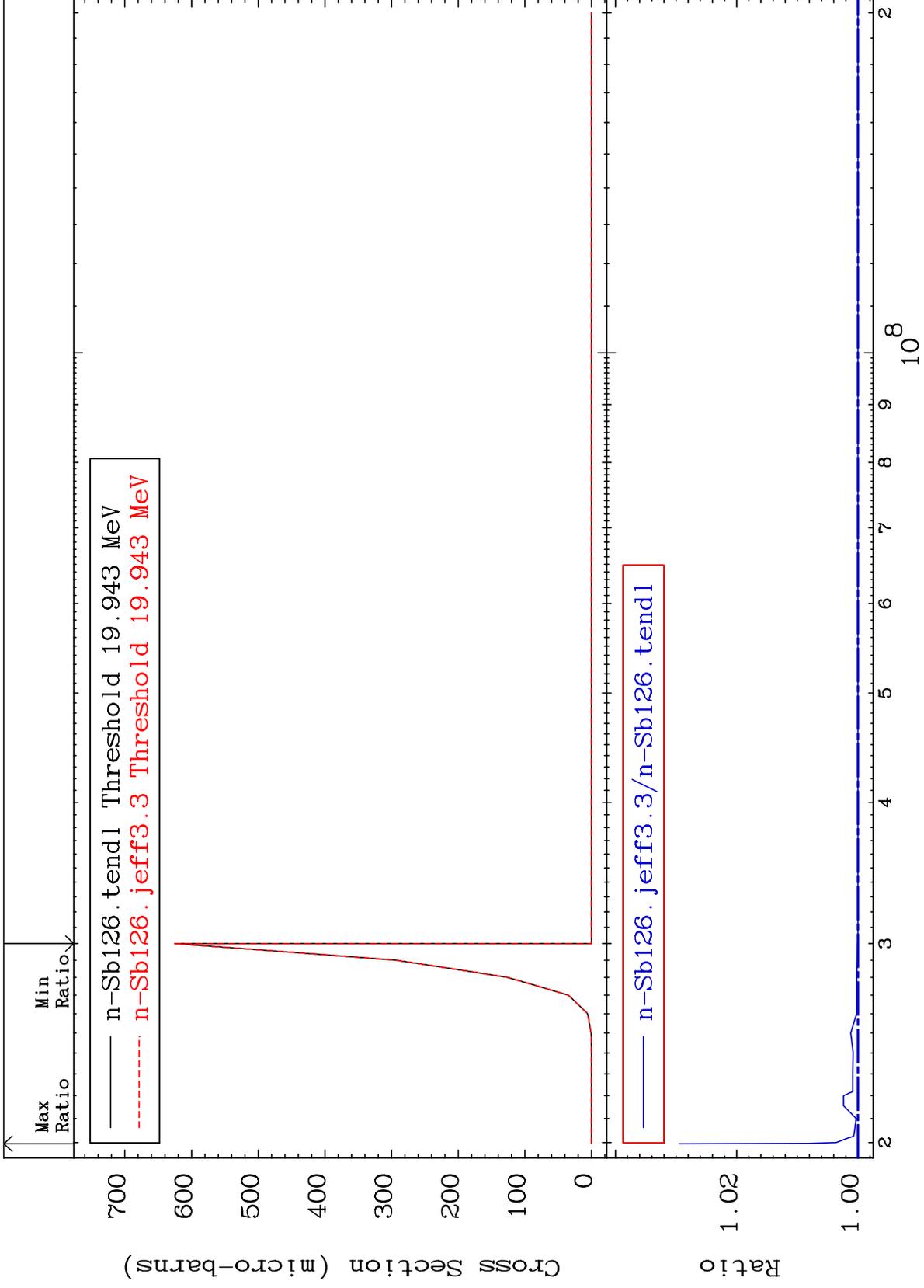
51-Sb-126

MAT 5140

(n,2n) d:50-Sn-123g

51-Sb-126

Radionuclide Production Cross Section 0.000 To 2.951 %



63

Incident Energy (eV)

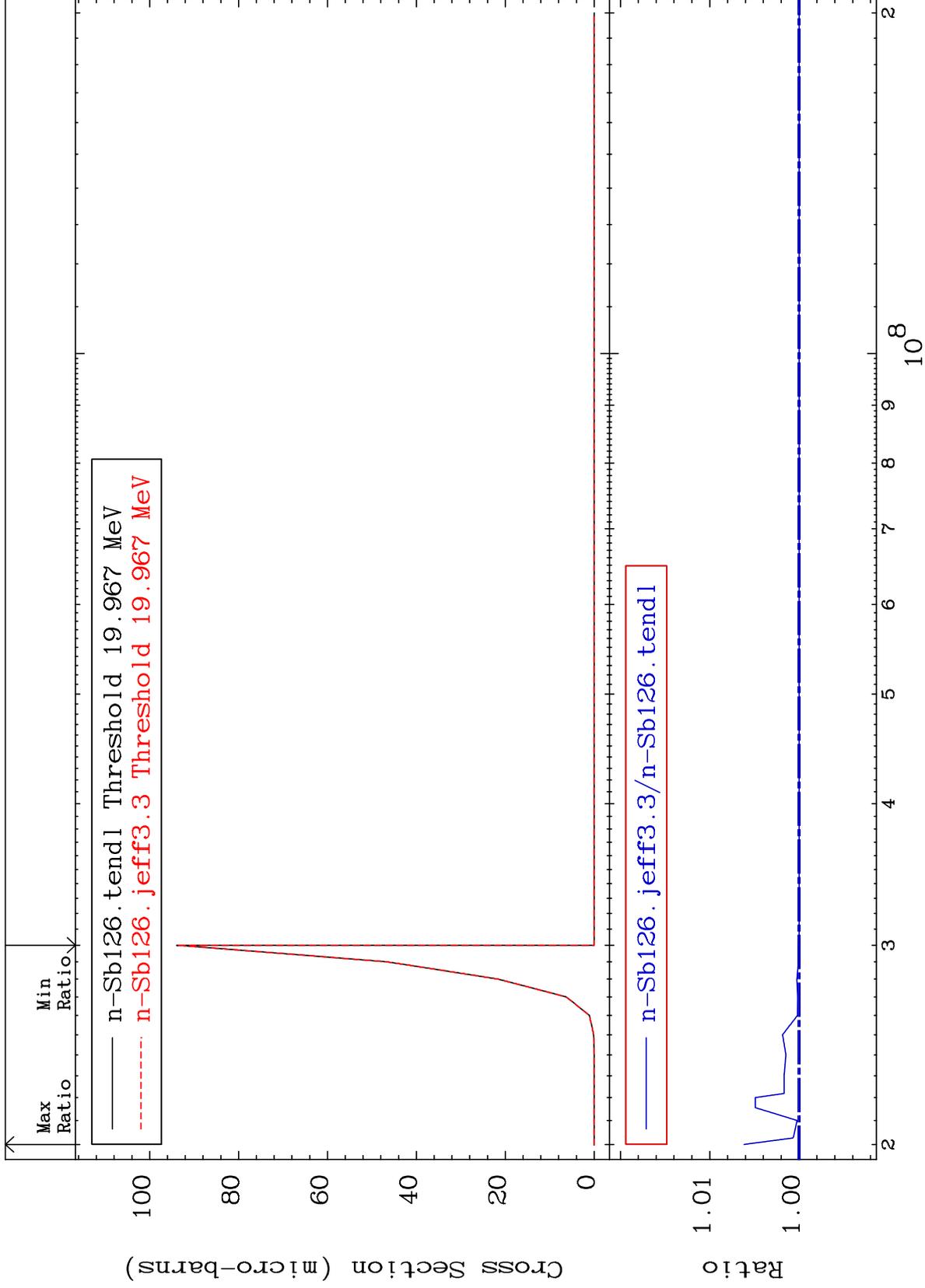
51-Sb-126

MAT 5140

(n,2n) d:50-Sn-123m1

51-Sb-126

Radionuclide Production Cross Section 0.000 To 0.617 %



64

Incident Energy (eV)

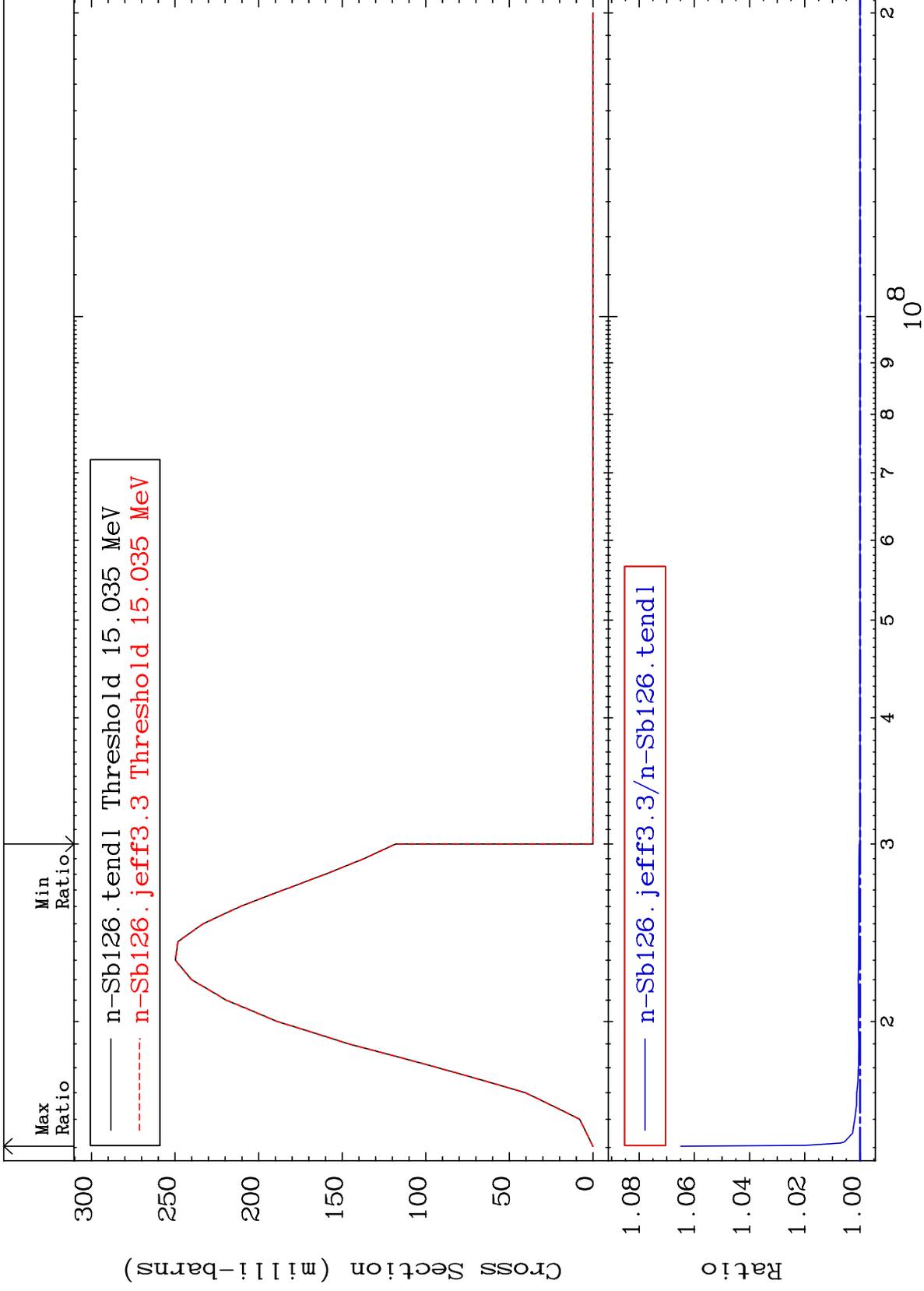
51-Sb-126

MAT 5140

(n,3n):51-Sb-124g

51-Sb-126

Radionuclide Production Cross Section 0.000 To 6.492 %

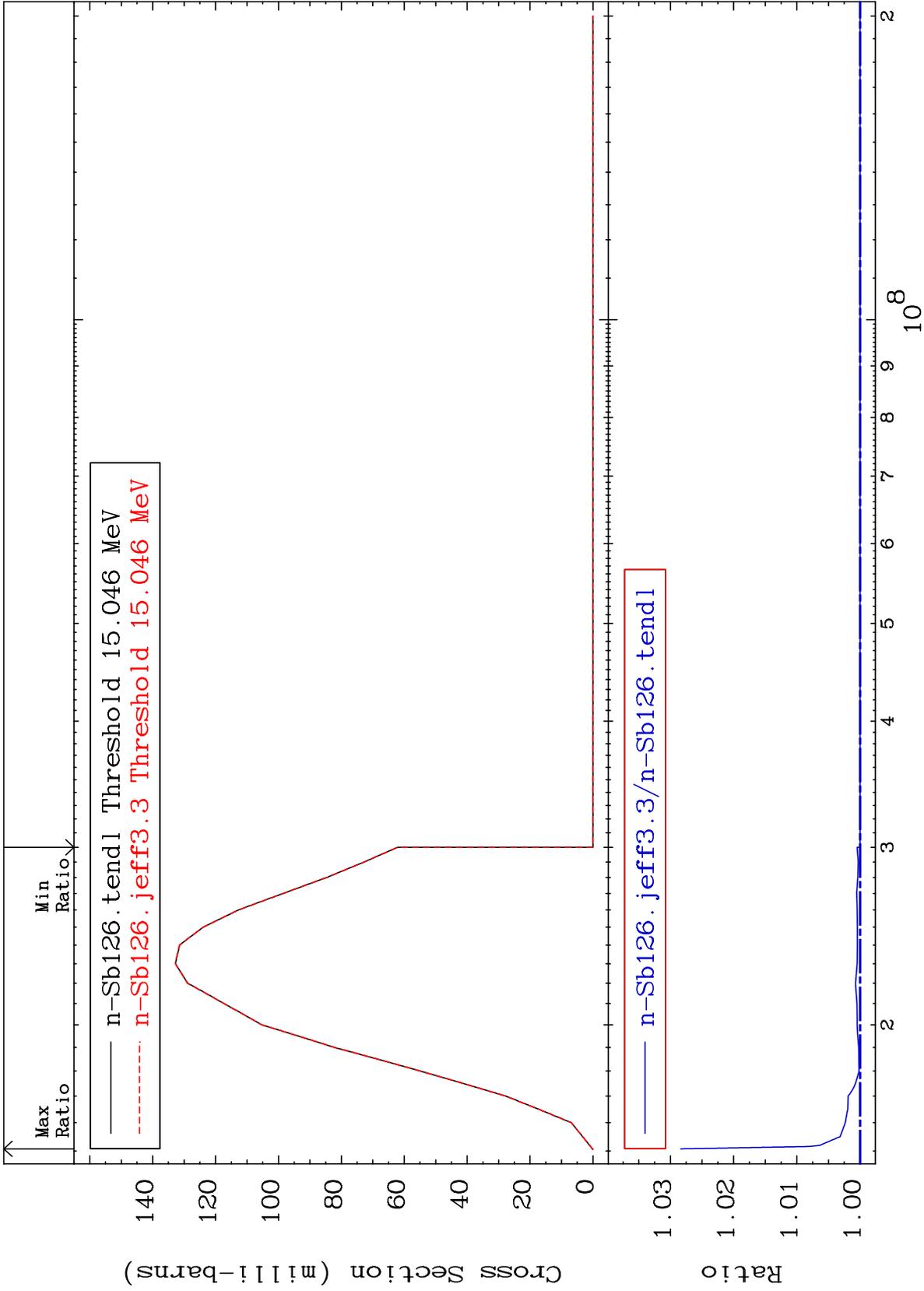


MAT 5140

(n,3n):51-Sb-124m1

51-Sb-126

Radionuclide Production Cross Section 0.000 To 2.836 %

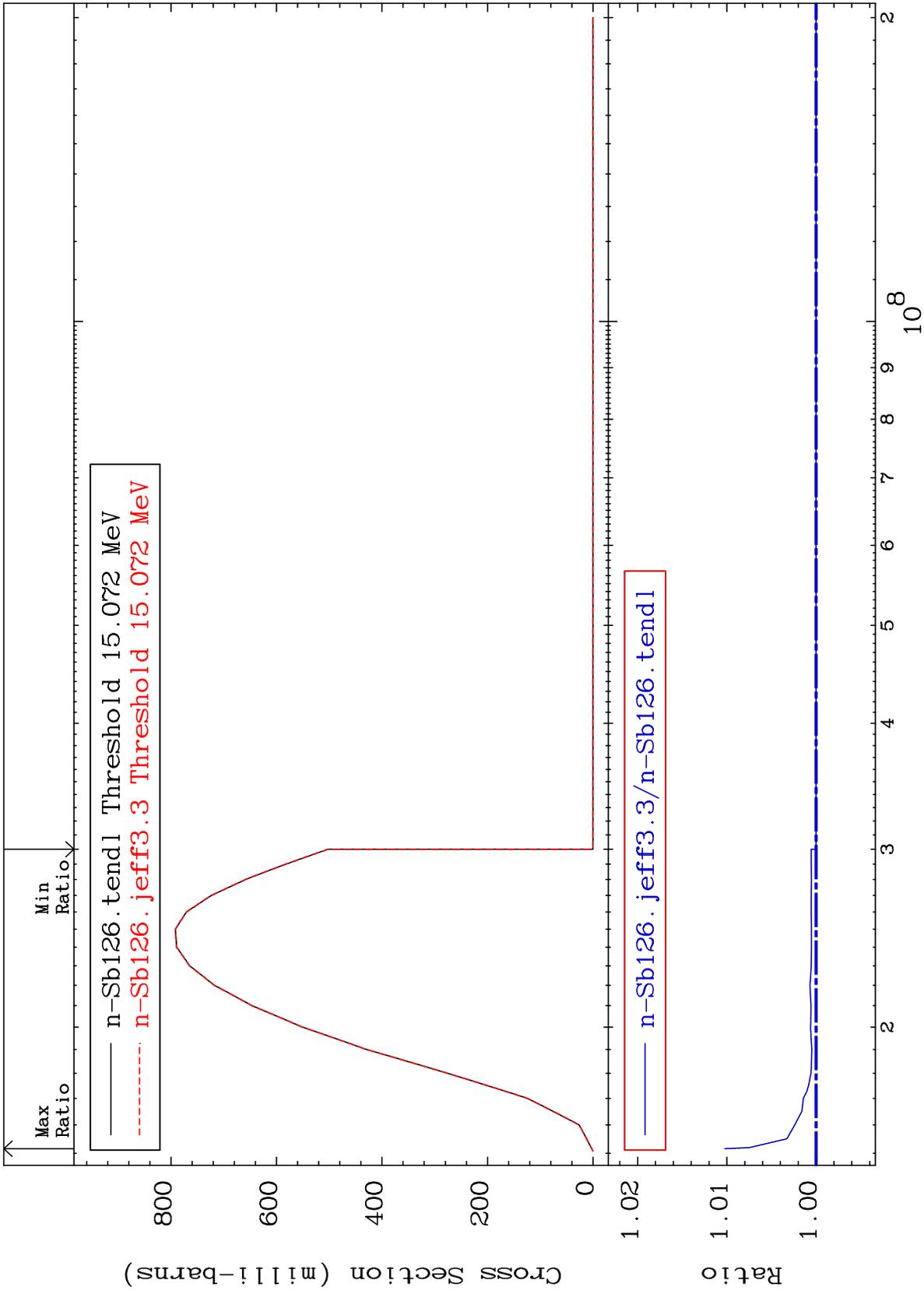


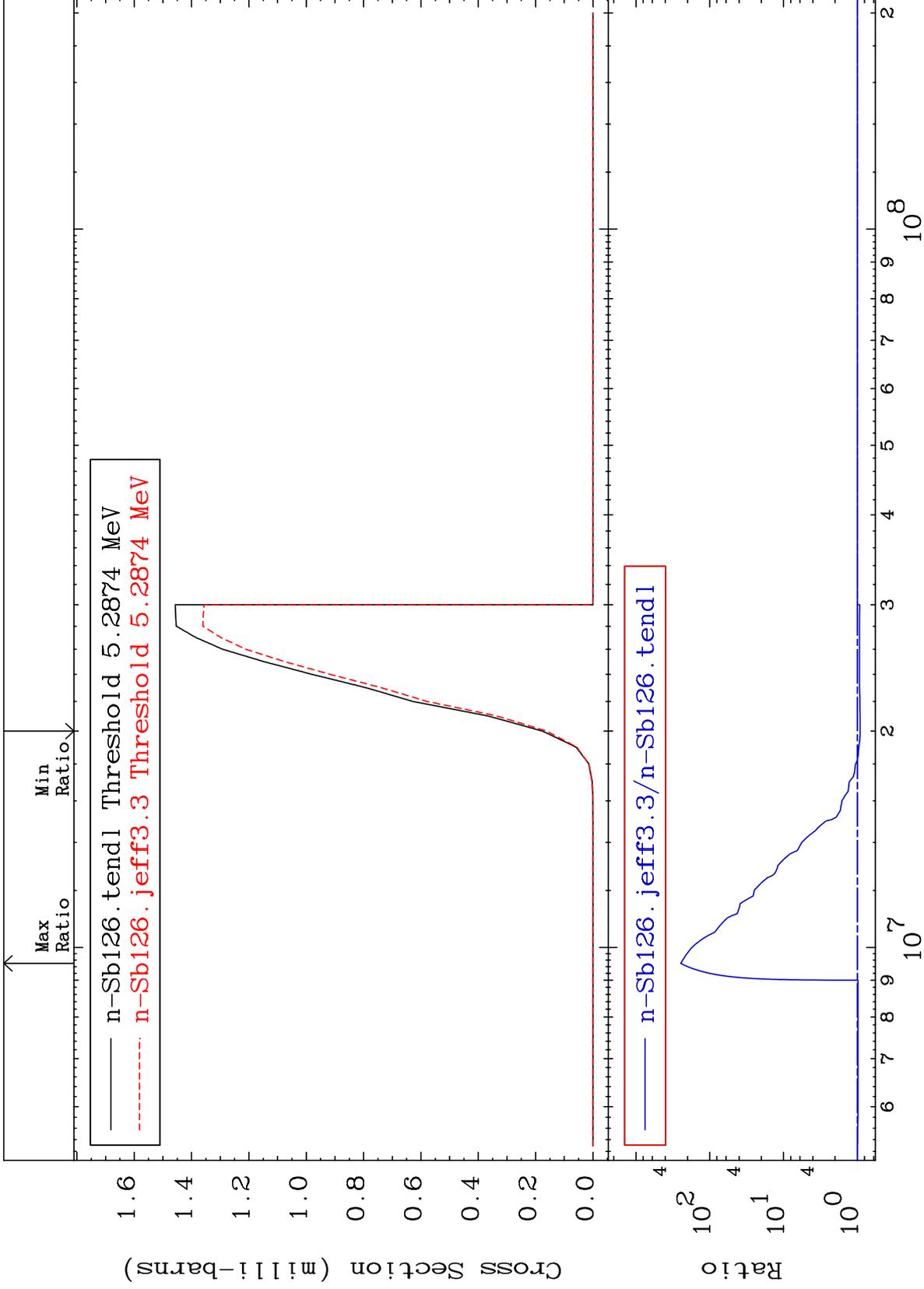
MAT 5140

(n,3n):51-Sb-124m2

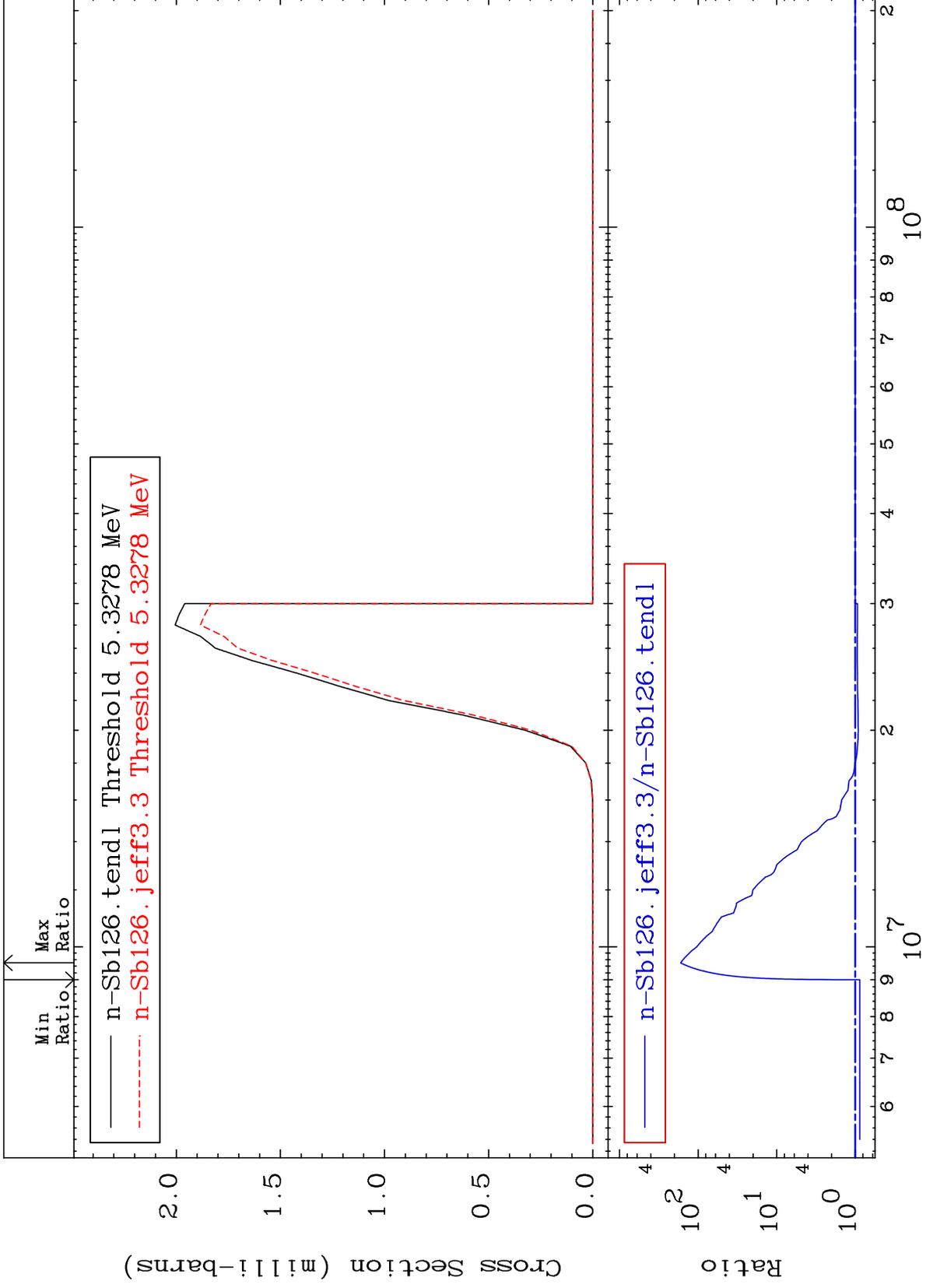
51-Sb-126

Radionuclide Production Cross Section 0.000 To 1.024 %





Radionuclide Production Cross Section -12.38 To 9999. %

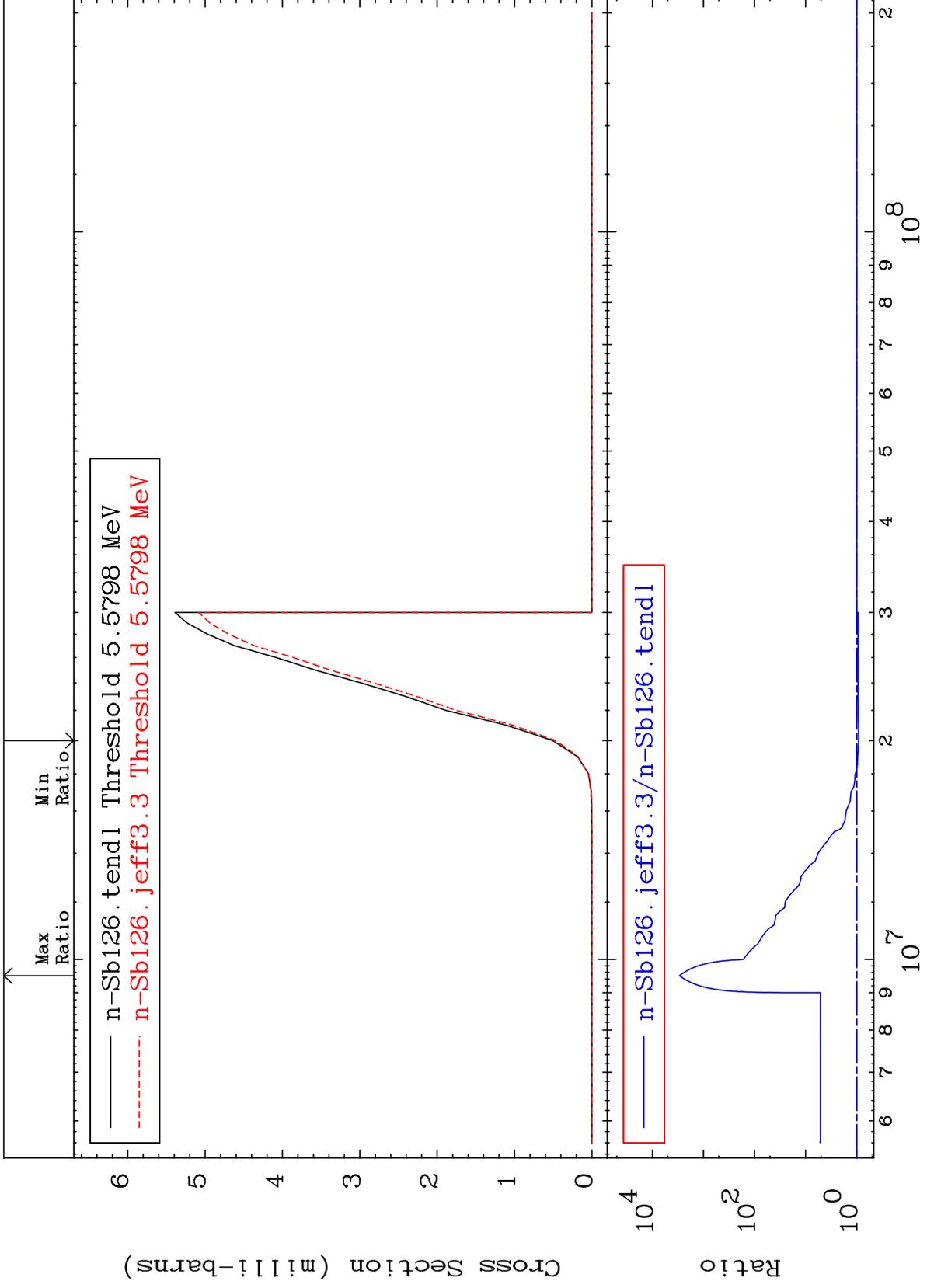


MAT 5140

(n, n') α :49-In-122m5

51-Sb-126

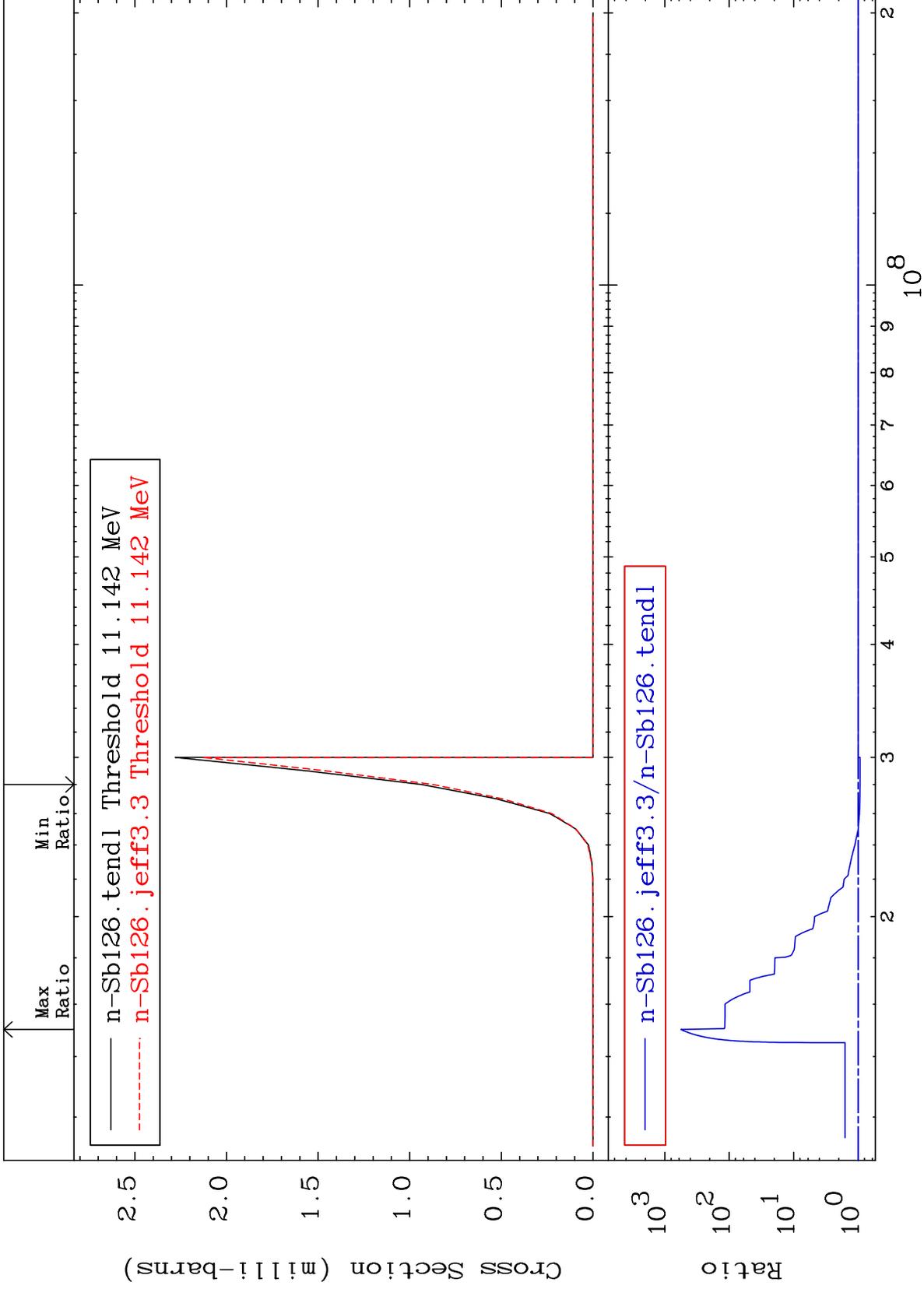
Radionuclide Production Cross Section -7.664 To 9999. %



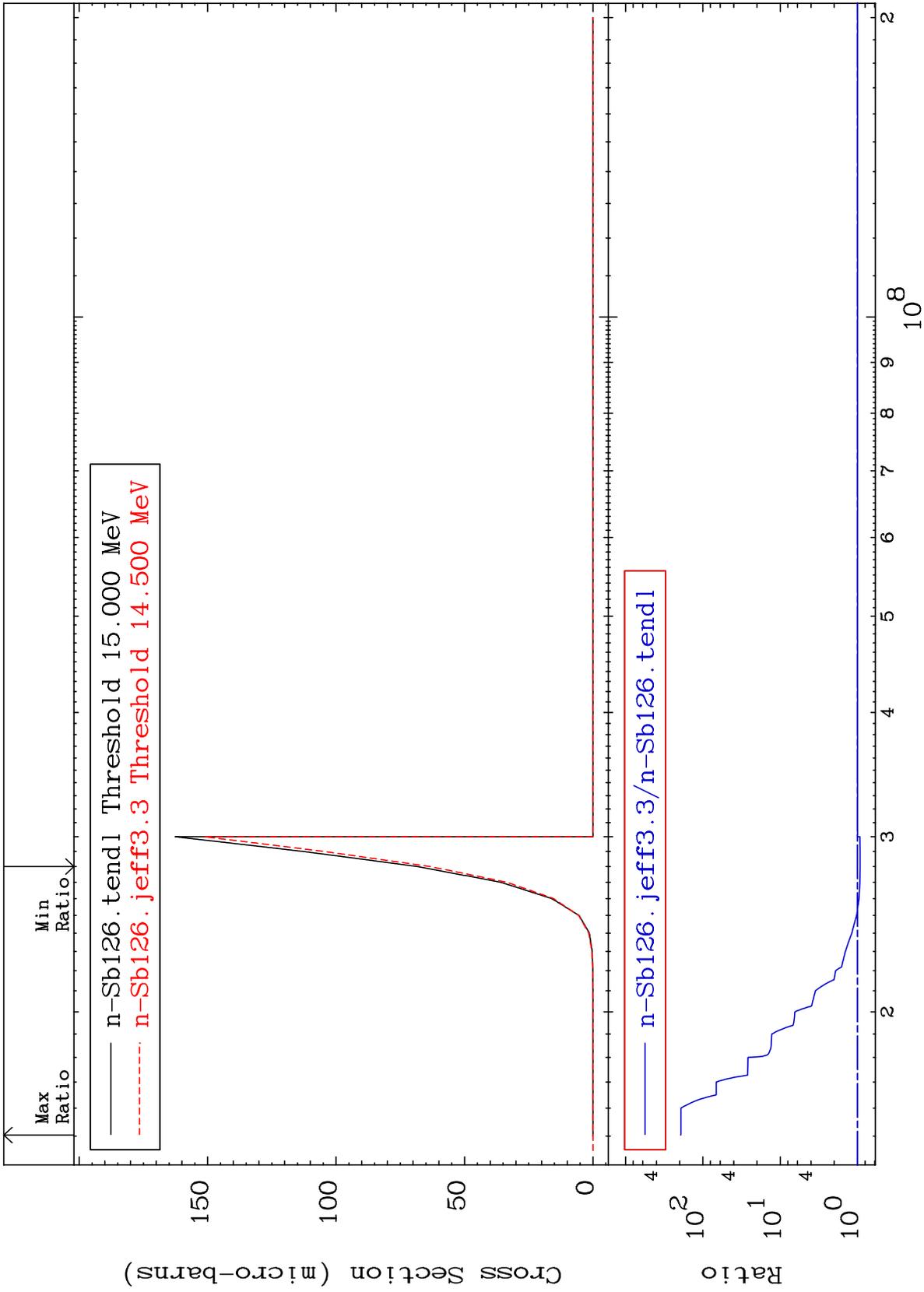
70

Incident Energy (eV)

51-Sb-126



Radionuclide Production Cross Section -7.297 To 9999. %

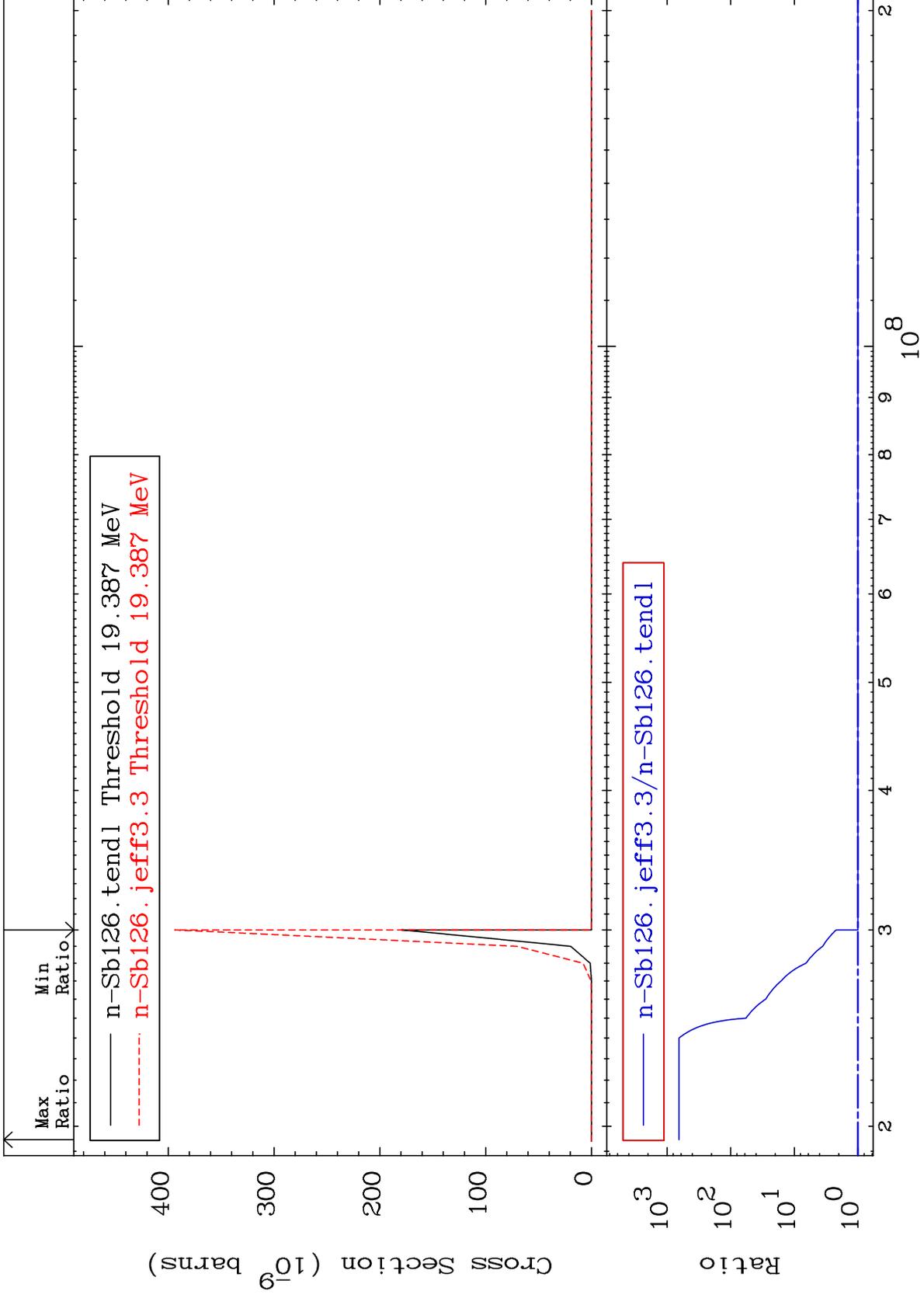


MAT 5140

(n,3n) α : 49-In-120g

51-Sb-126

Radionuclide Production Cross Section 0.000 To 9999. %

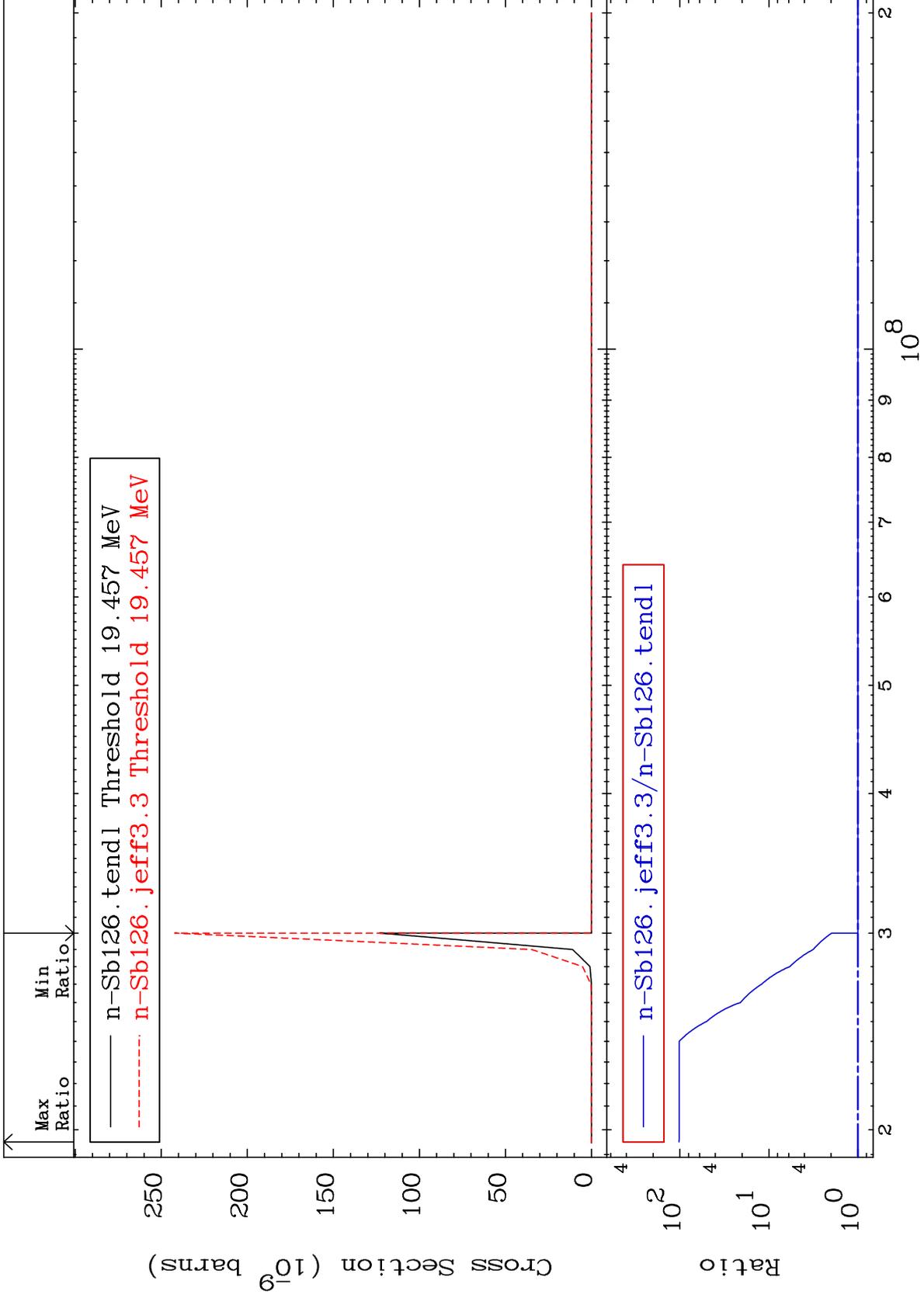


MAT 5140

(n,3n) α :49-In-120m1

51-Sb-126

Radionuclide Production Cross Section 0.000 To 9999. %

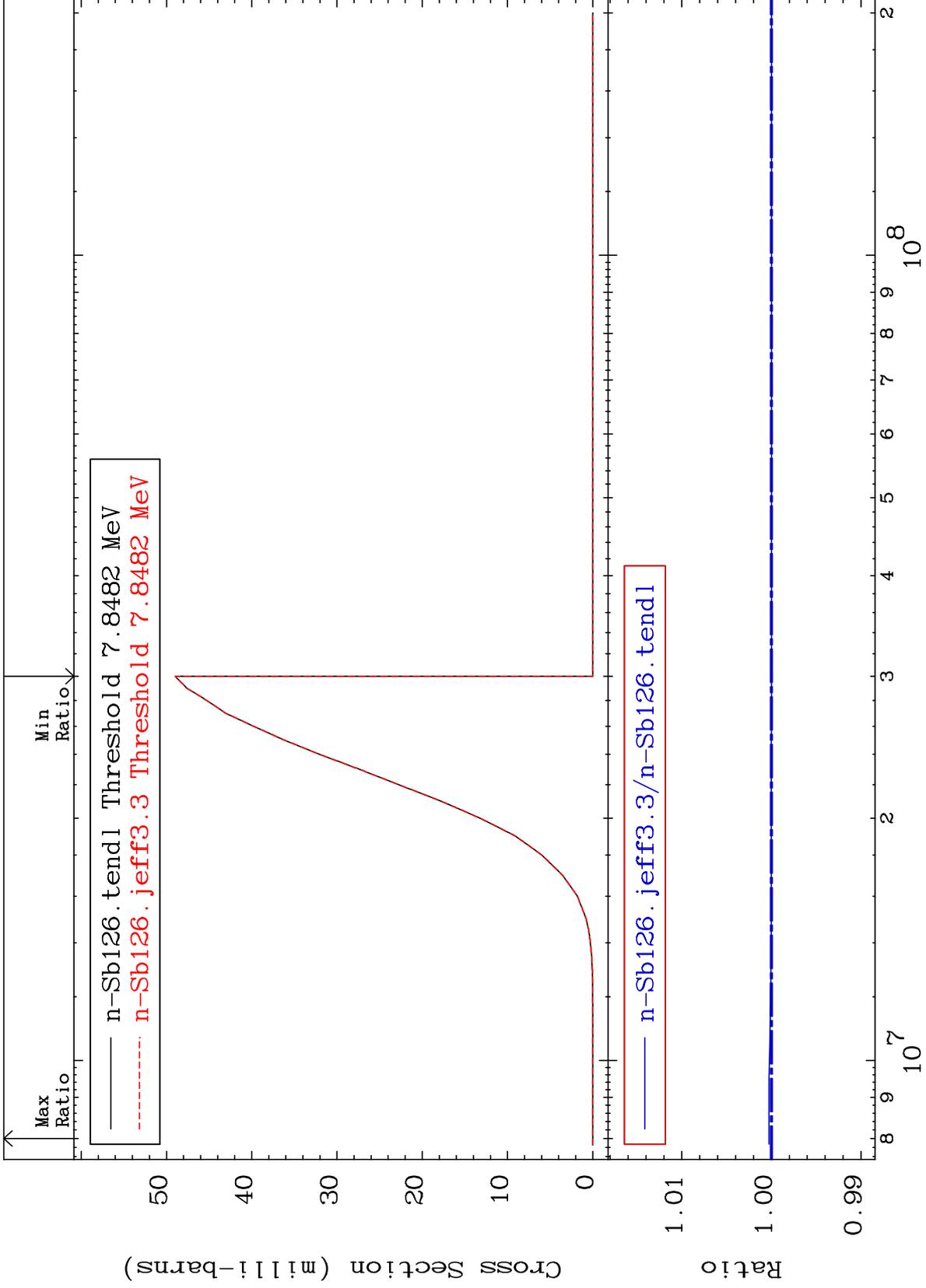


MAT 5140

(n, n') p:50-Sn-125g

51-Sb-126

Radionuclide Production Cross Section 0.000 To 0.028 %



76

Incident Energy (eV)

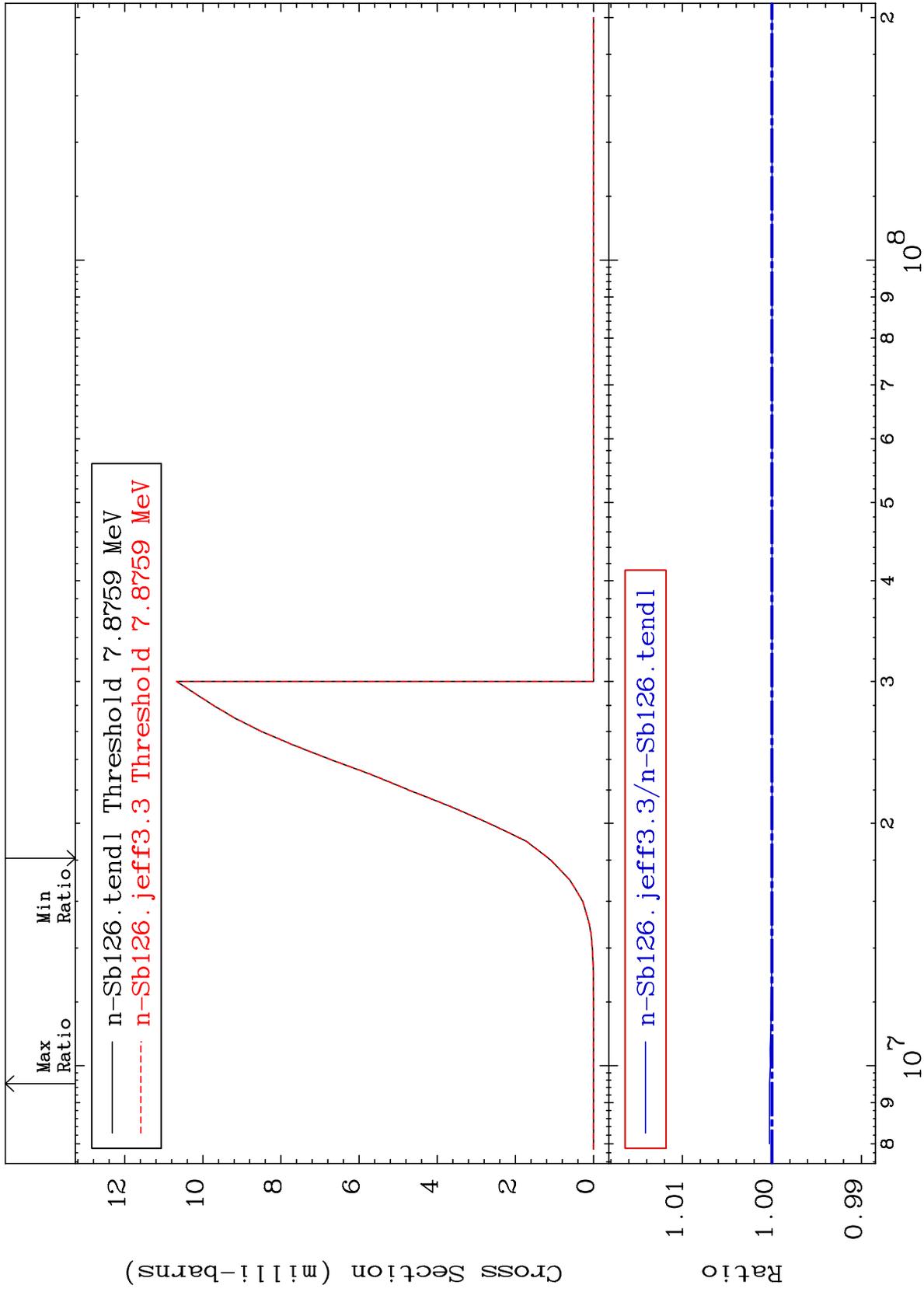
51-Sb-126

MAT 5140

(n,n') p:50-Sn-125m1

51-Sb-126

Radionuclide Production Cross Section 0.000 To 0.028 %



77

Incident Energy (eV)

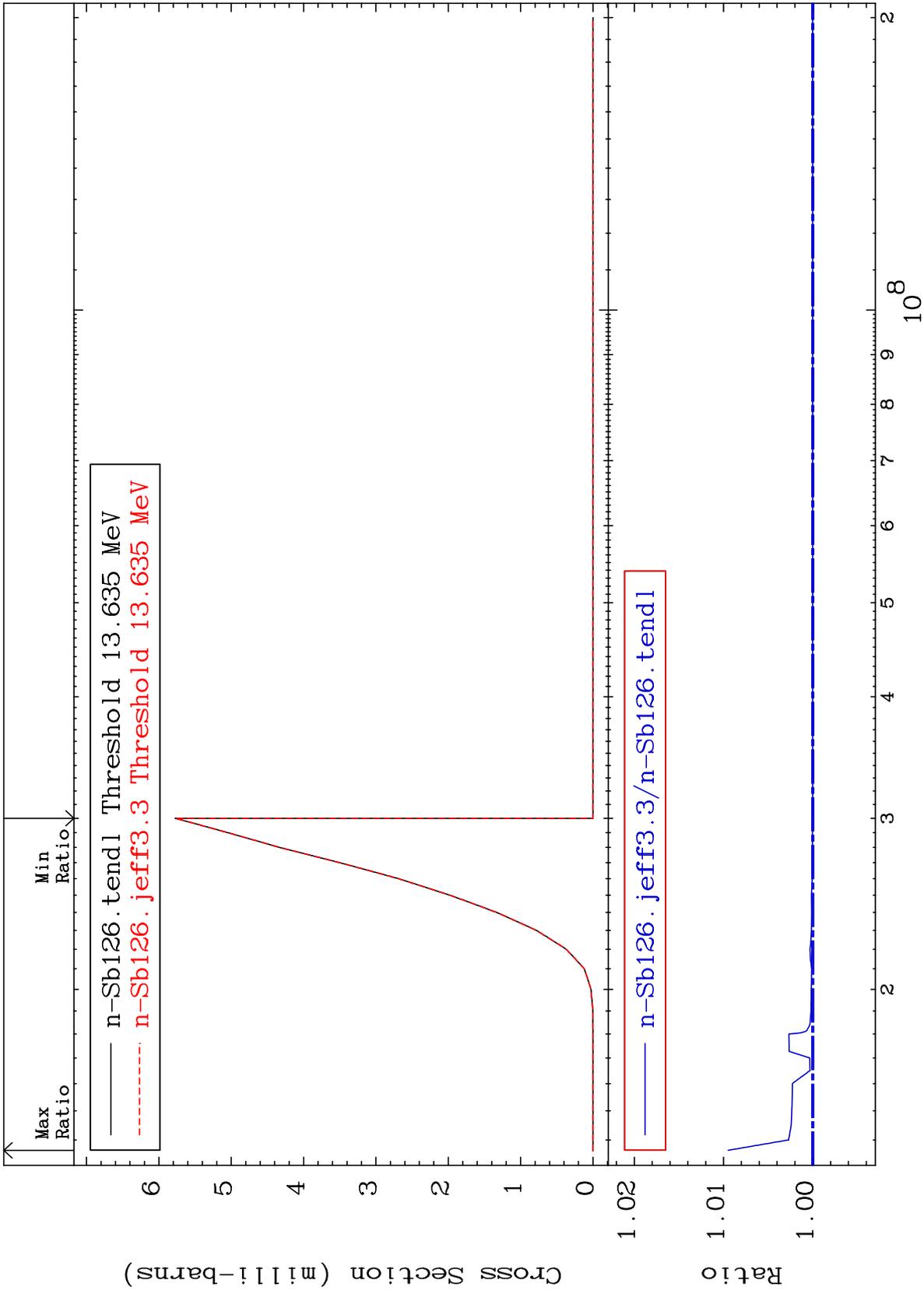
51-Sb-126

MAT 5140

(n, n') t:50-Sn-123g

51-Sb-126

Radionuclide Production Cross Section 0.000 To 0.949 %

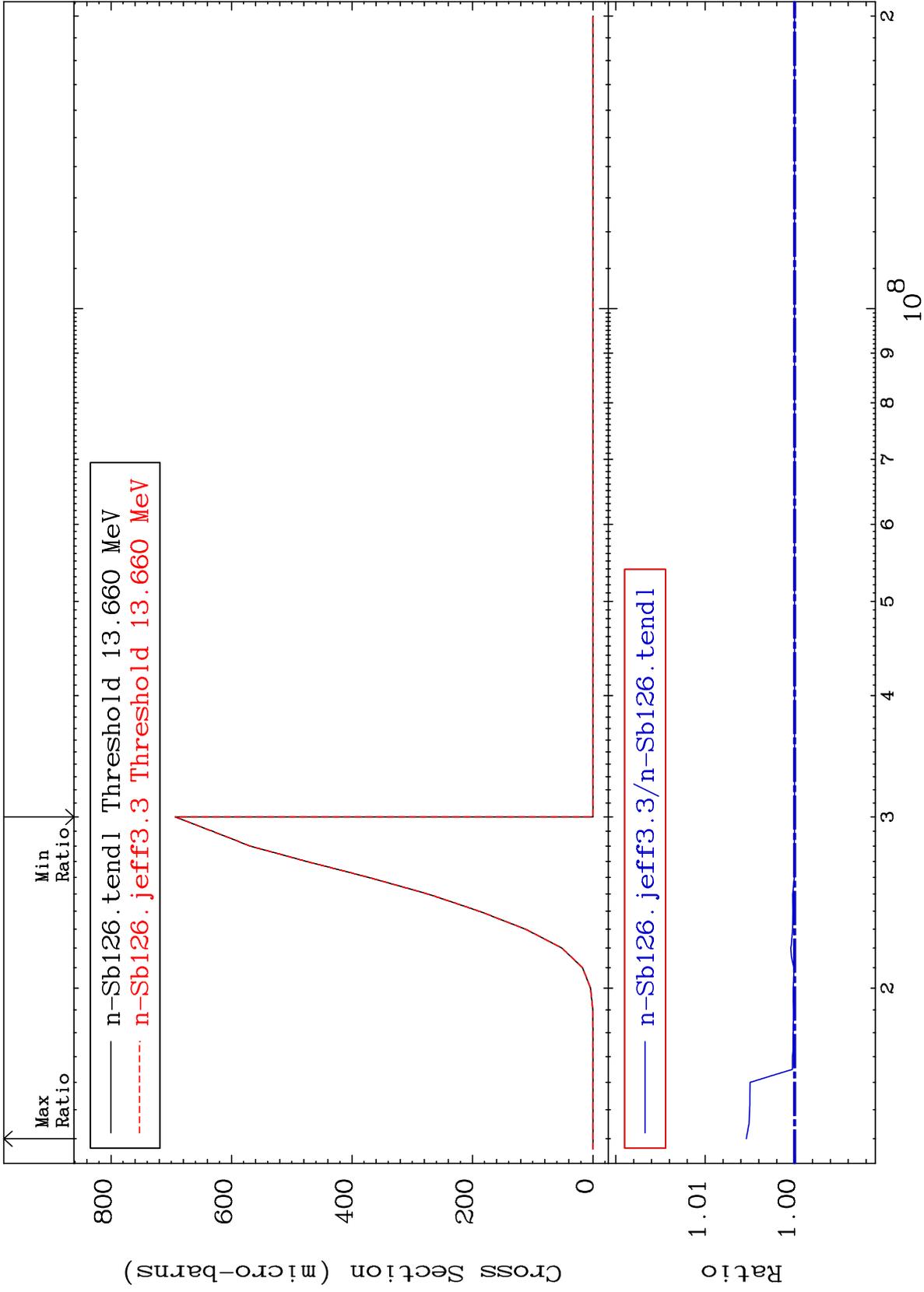


78

Incident Energy (eV)

51-Sb-126

Radionuclide Production Cross Section 0.000 To 0.540 %

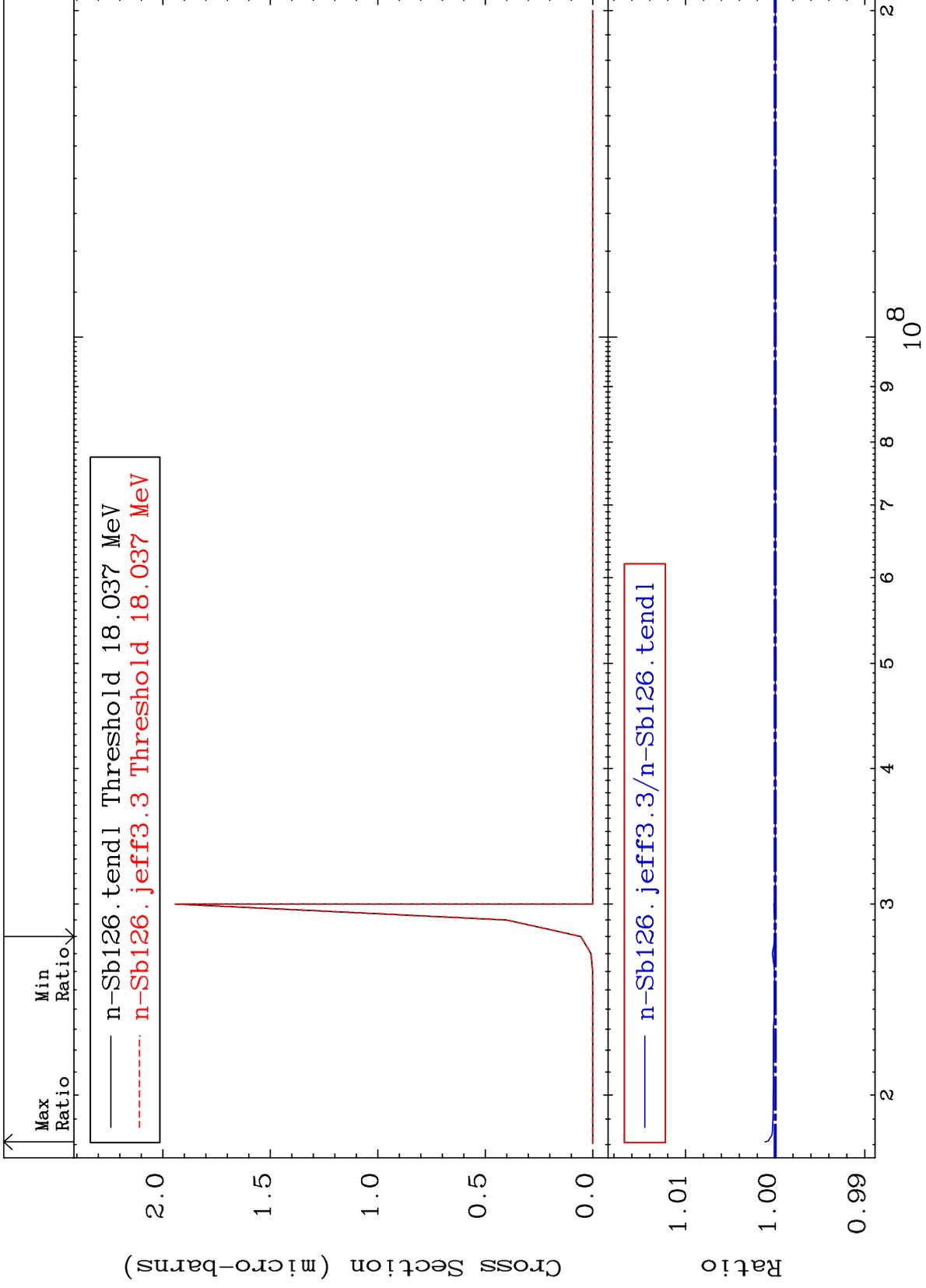


MAT 5140

(n, n') He-3:49-In-123g

51-Sb-126

Radionuclide Production Cross Section 0.000 To 0.113 %

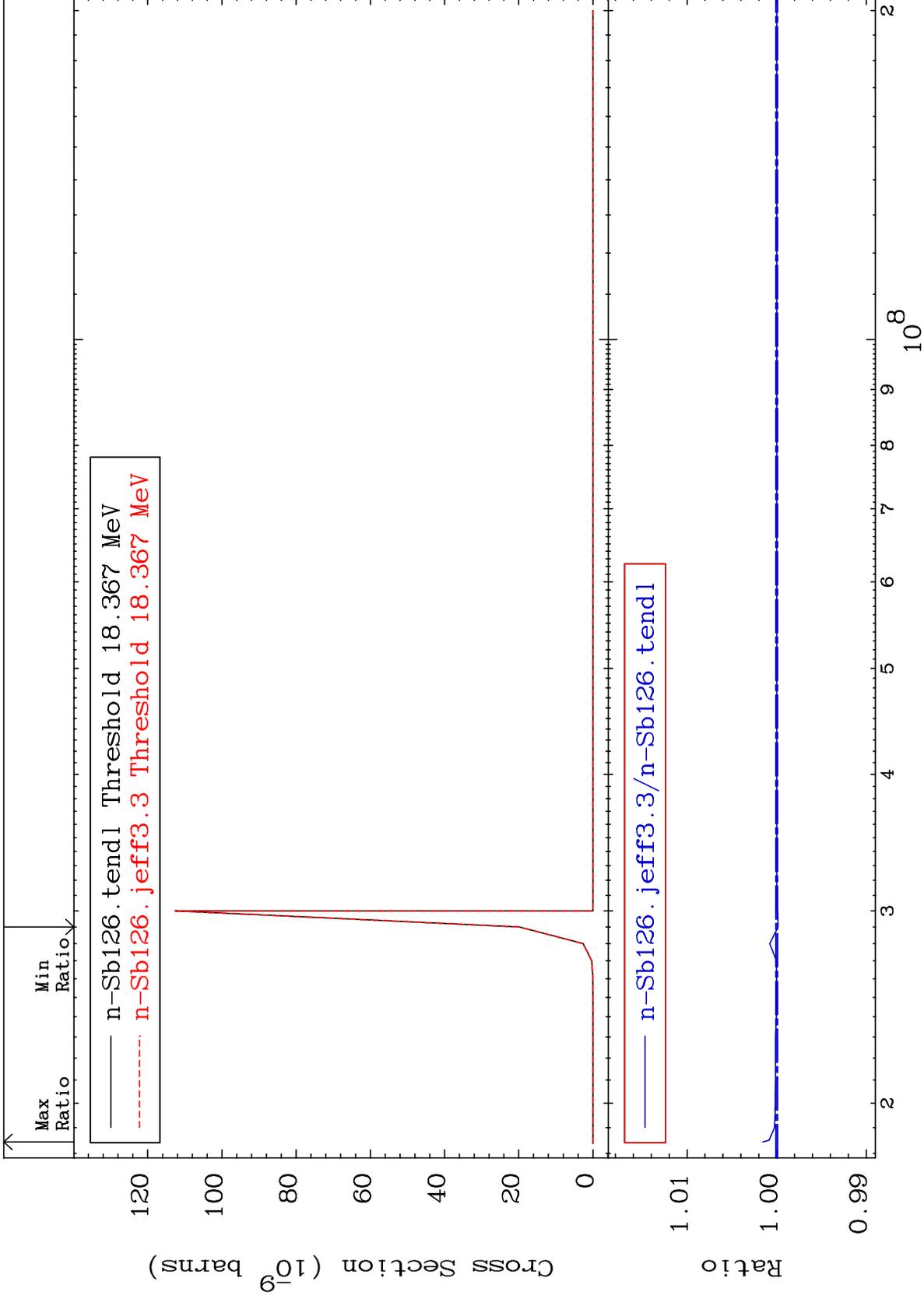


80

Incident Energy (eV)

51-Sb-126

Radionuclide Production Cross Section -0.015 To 0.155 %

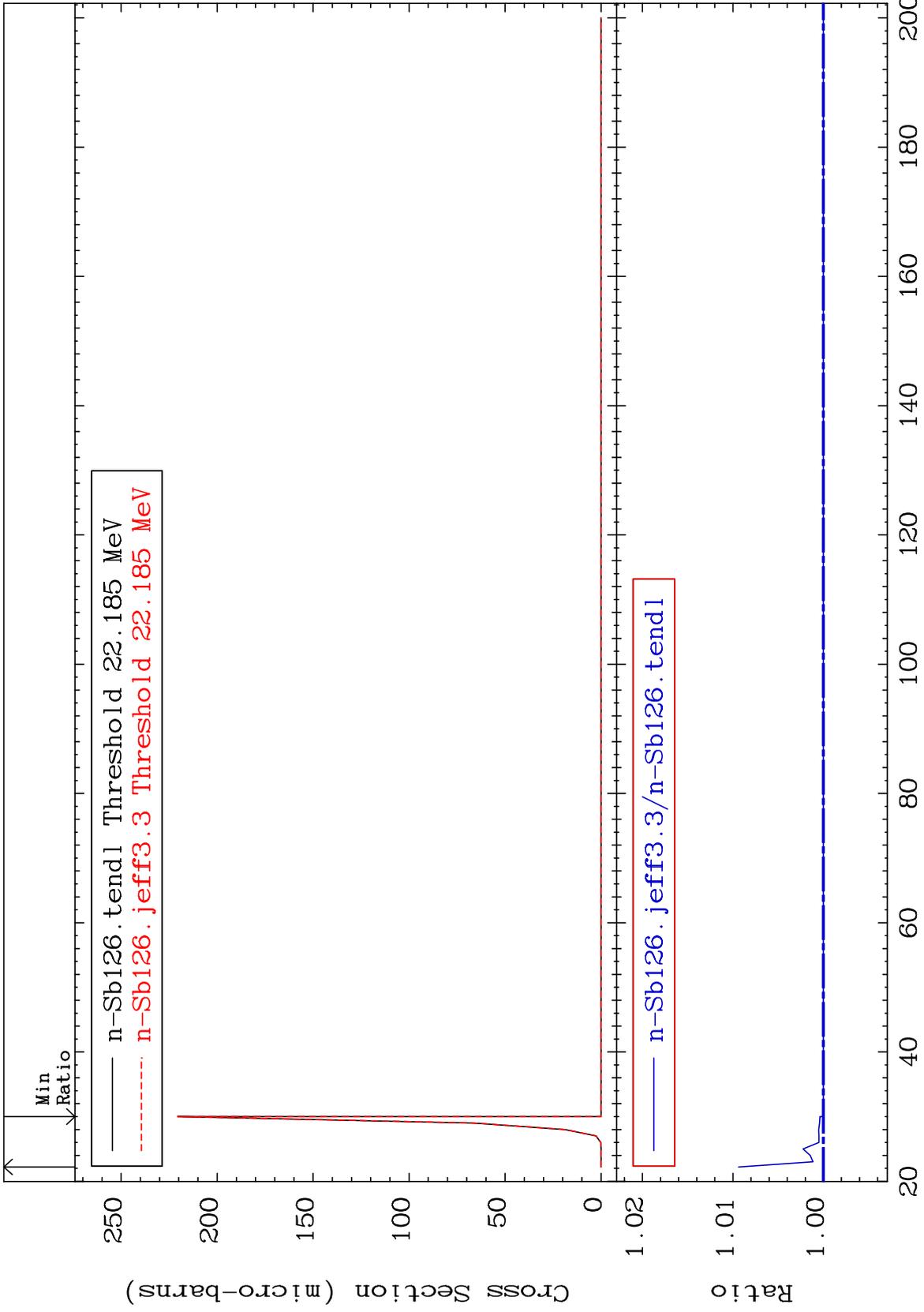


MAT 5140

(n,3n) p:50-Sn-123g

51-Sb-126

Radionuclide Production Cross Section 0.000 To 0.938 %

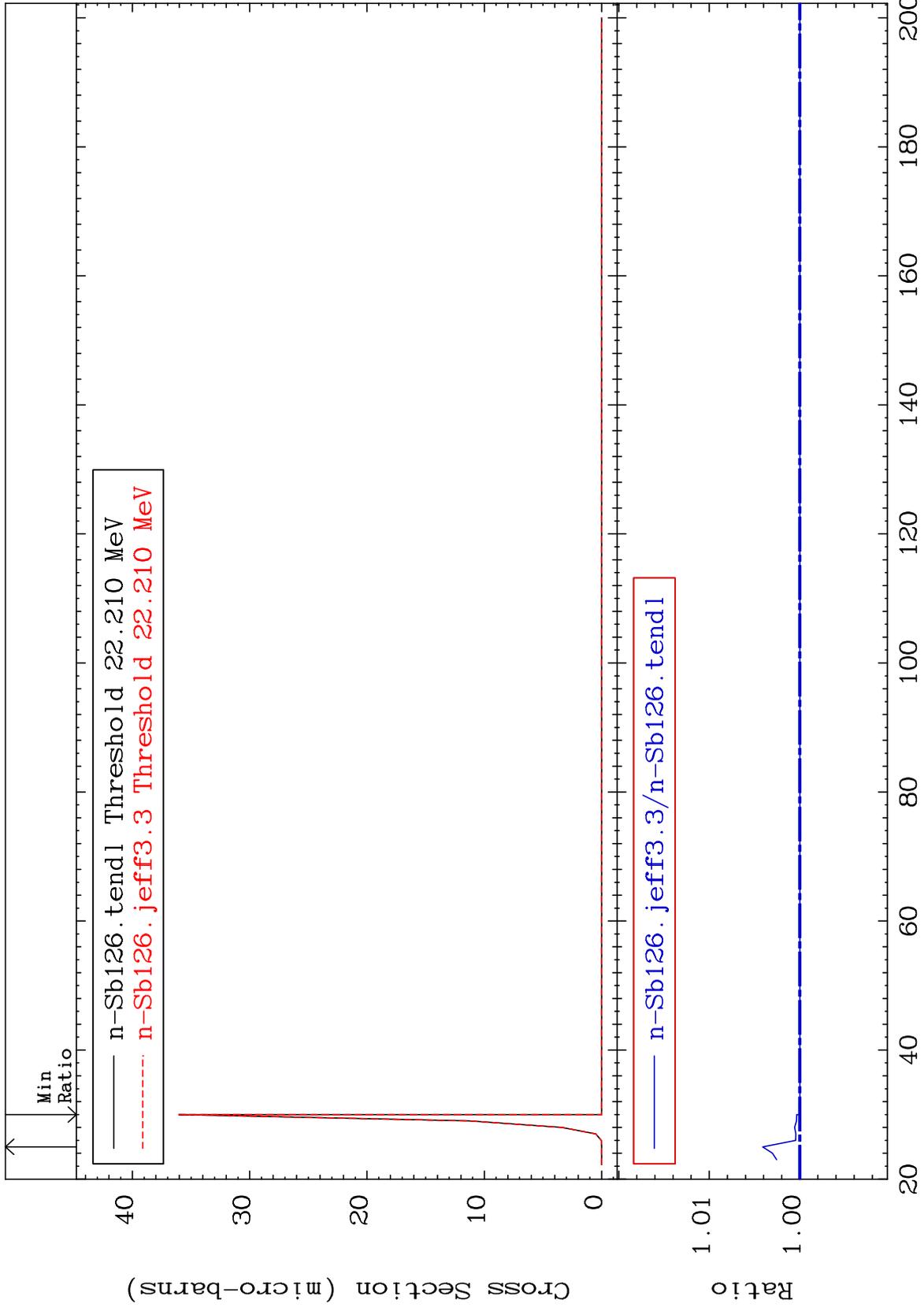


MAT 5140

(n,3n) p:50-Sn-123m1

51-Sb-126

Radionuclide Production Cross Section 0.000 To 0.411 %

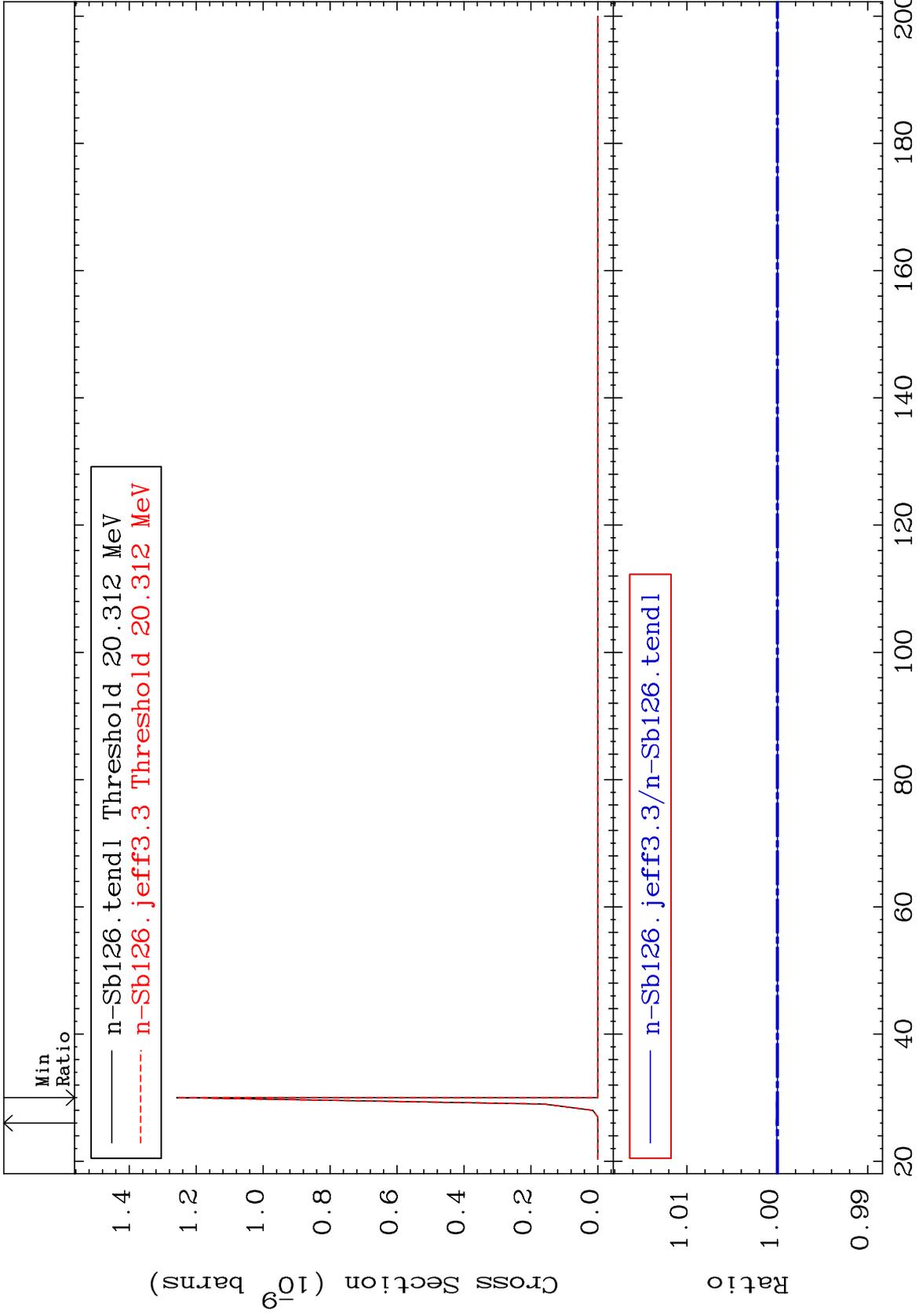


MAT 5140

(n,2n) p:49-In-124m2

51-Sb-126

Radionuclide Production Cross Section 0.000 To 0.014 %



84

Incident Energy (MeV)

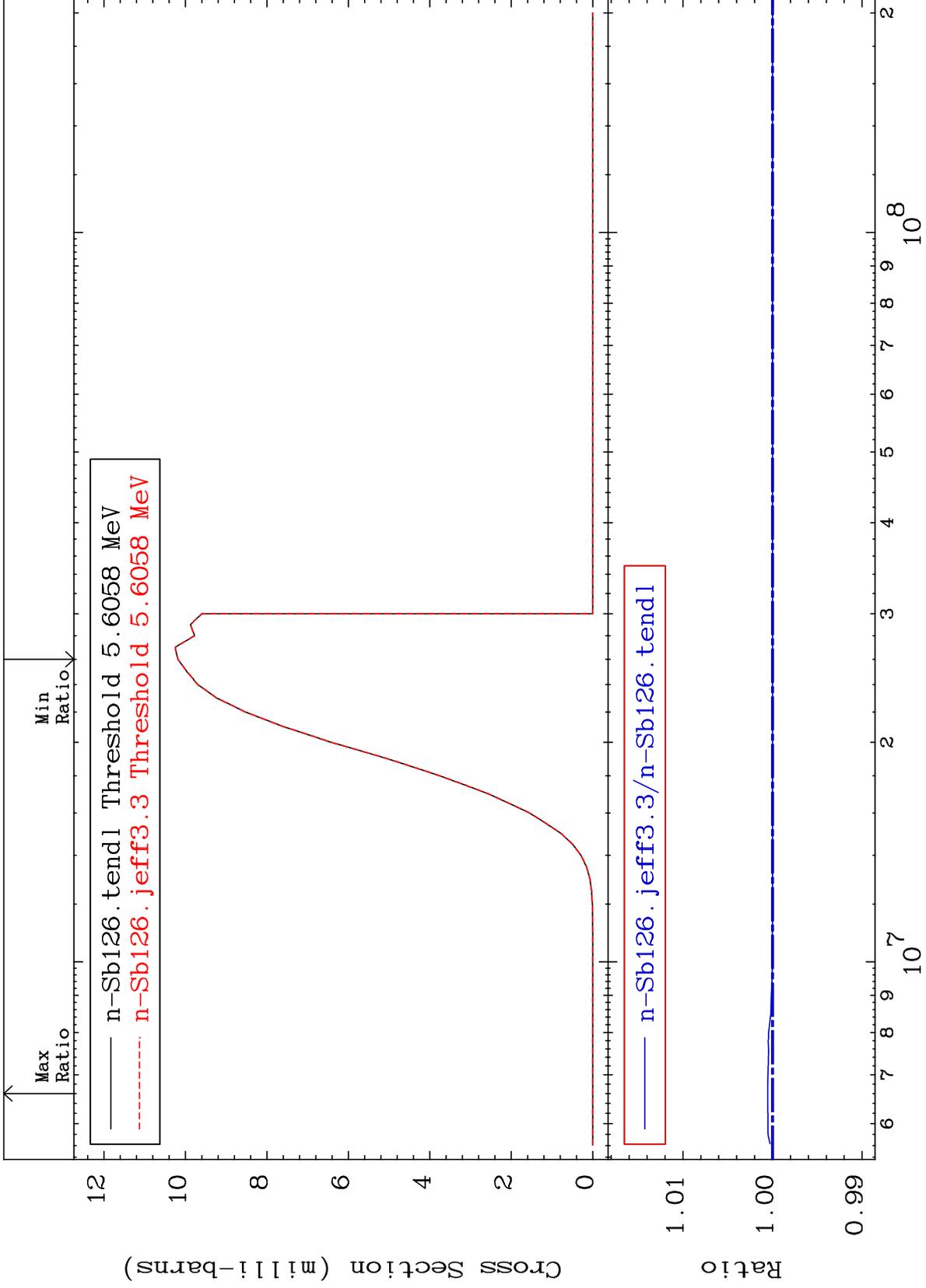
51-Sb-126

MAT 5140

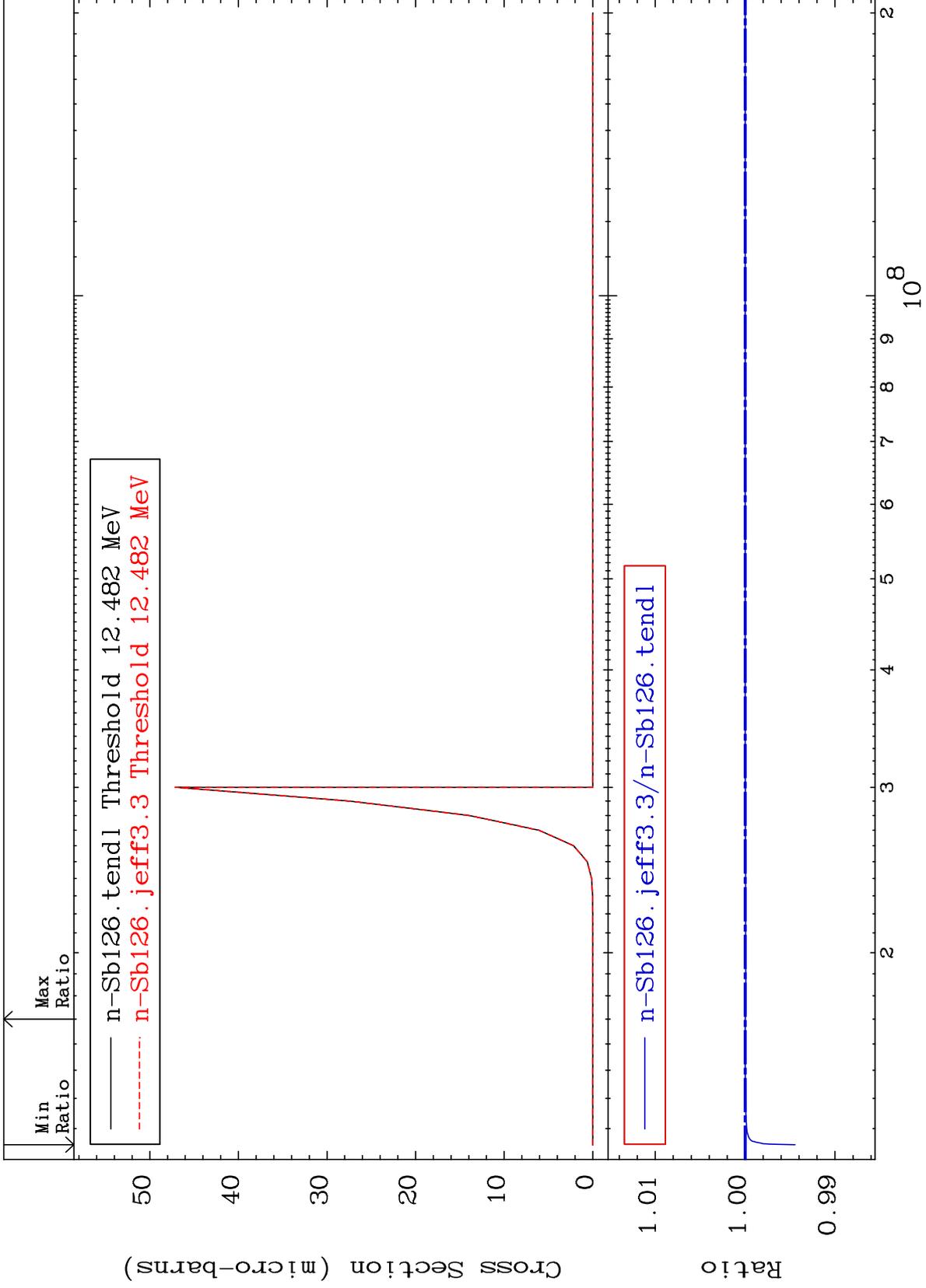
(n, d):50-Sn-125g

51-Sb-126

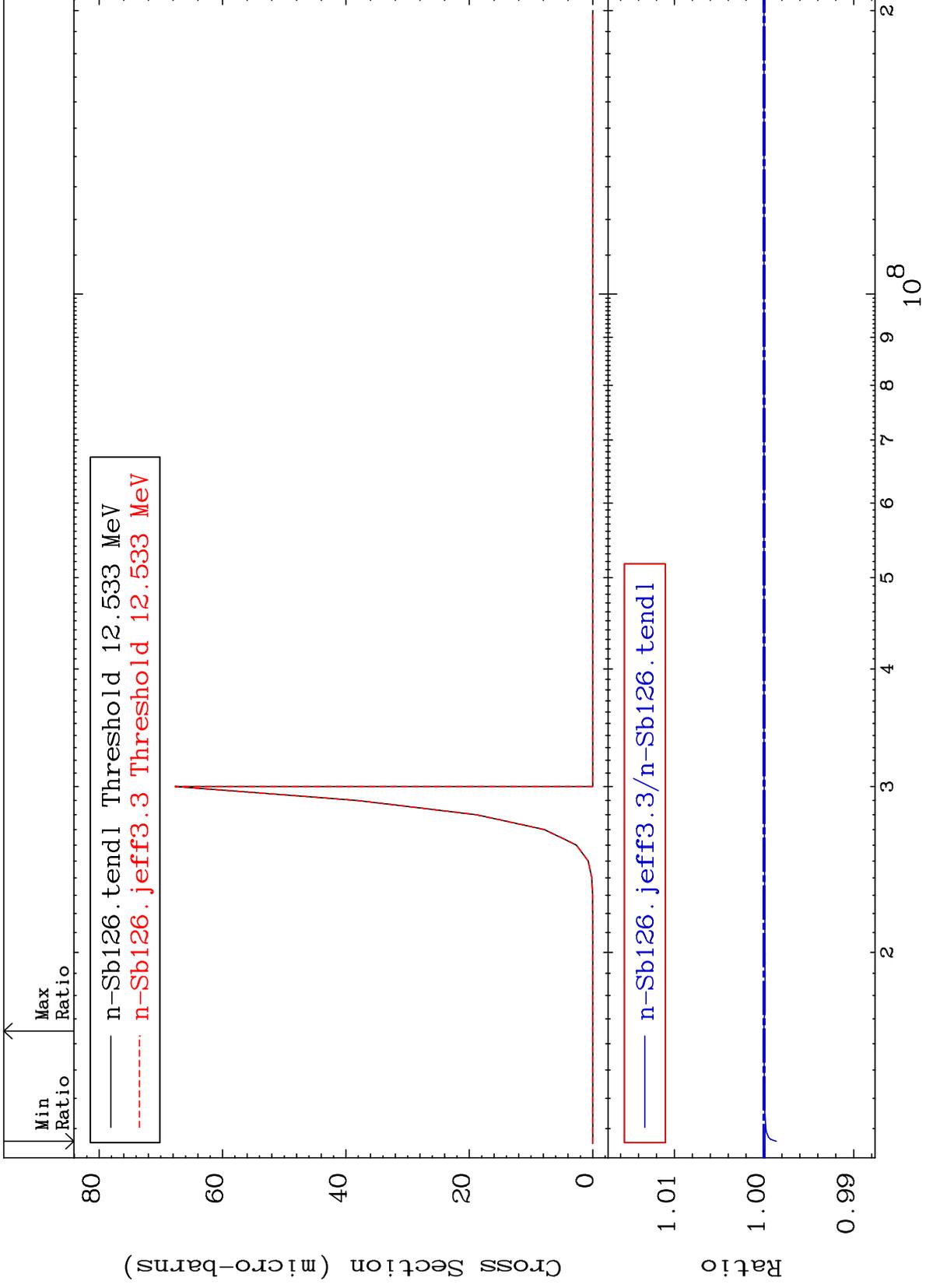
Radionuclide Production Cross Section 0.000 To 0.053 %



Radionuclide Production Cross Section -0.556 To 0.000 %

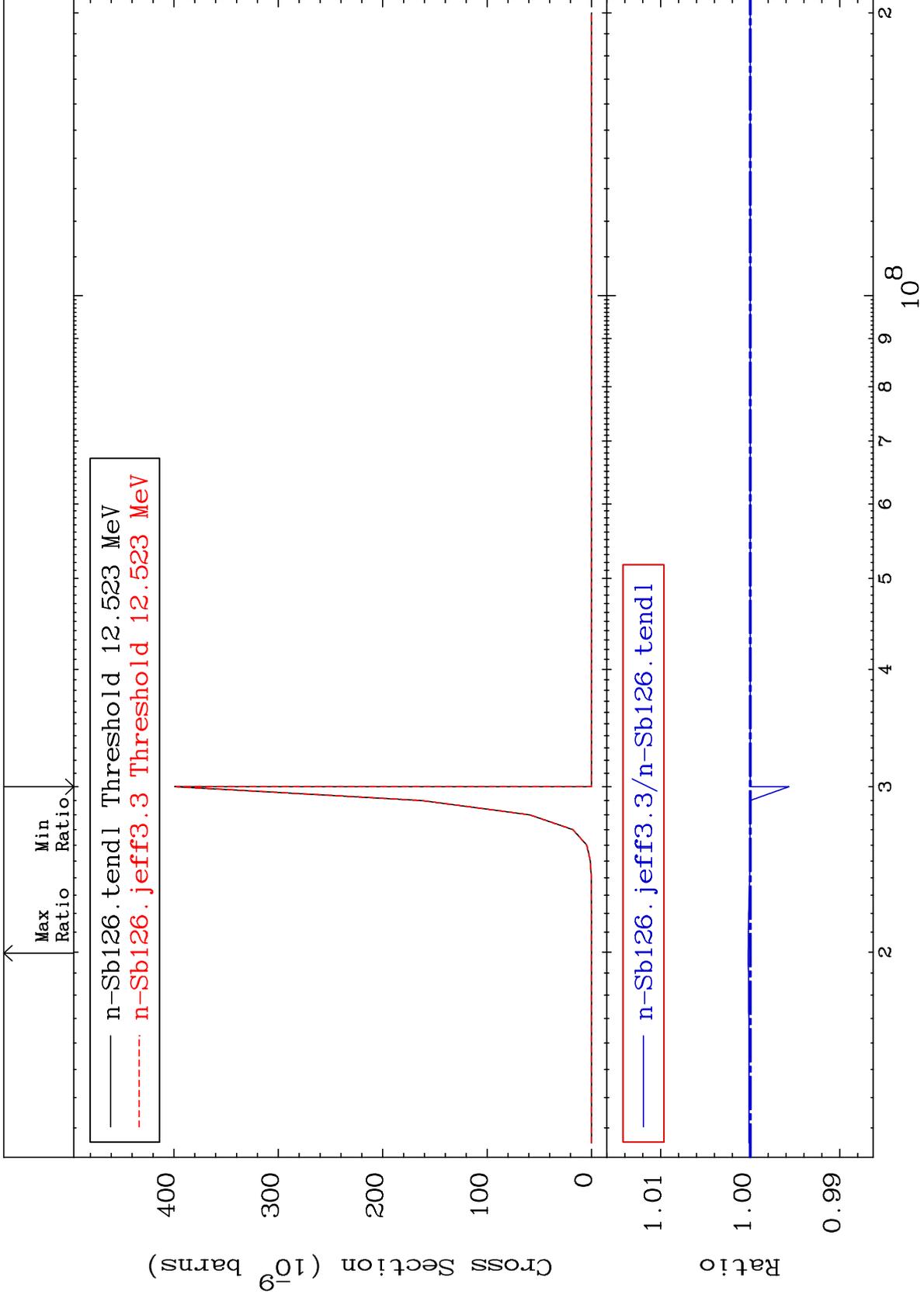


Radionuclide Production Cross Section -0.136 To 0.000 %



Radionuclide Production Cross Section

-0.432 To 0.024 %



Radionuclide Production Cross Section -0.423 To 0.025 %

