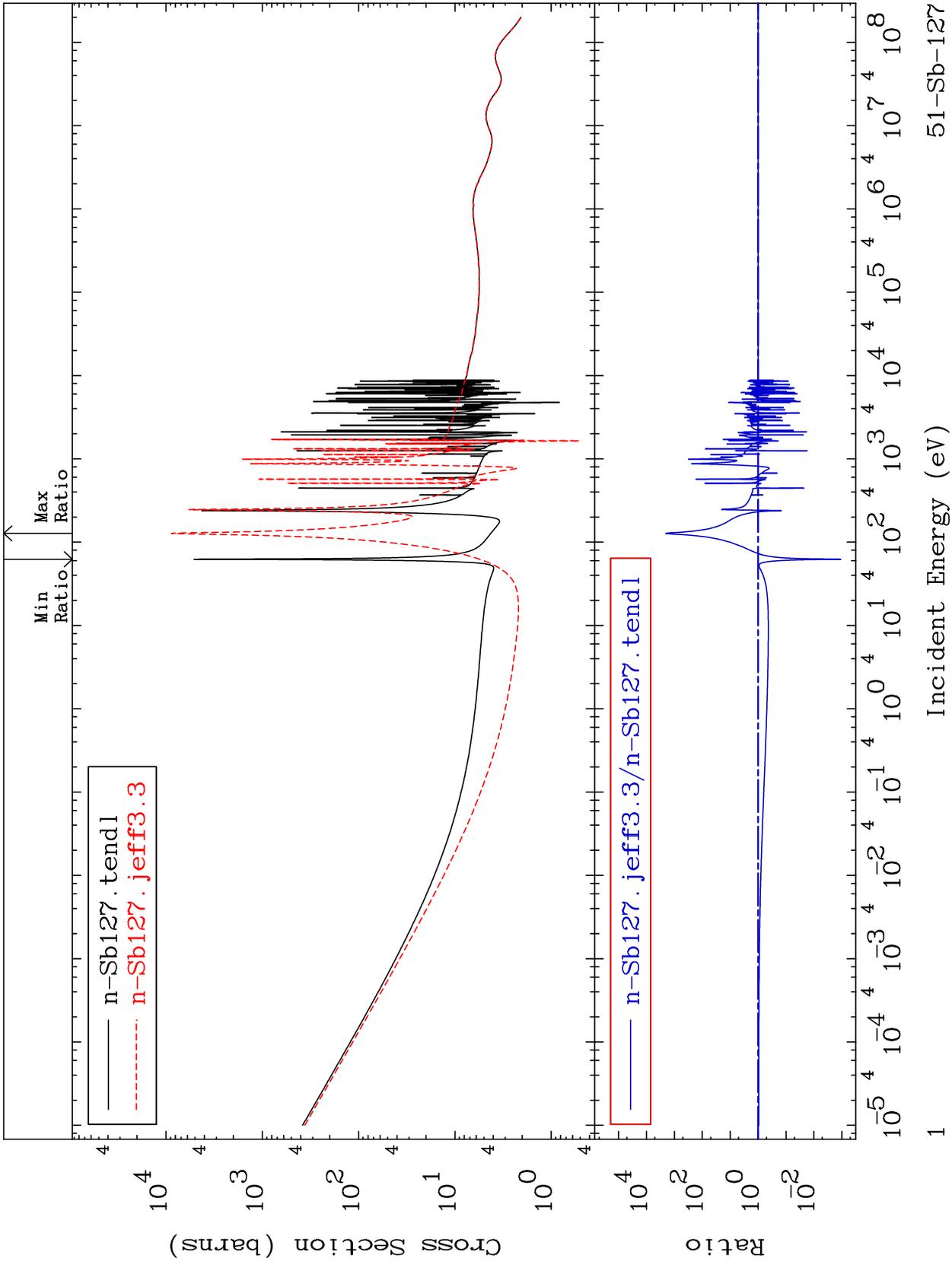


MAT 5143

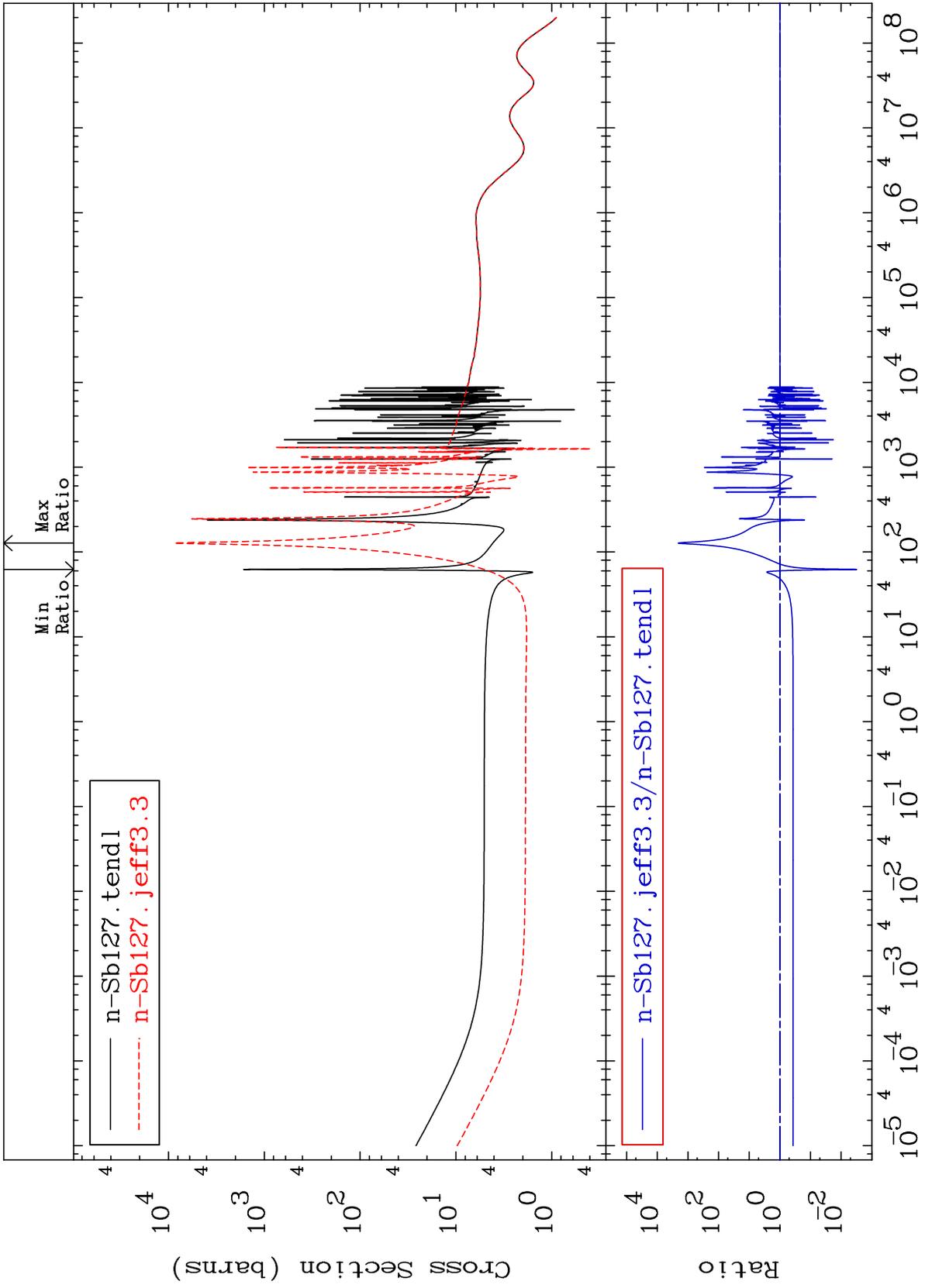
Total Cross Section
51-Sb-127
-99.89 To 9999. %



51-Sb-127

MAT 5143

Elastic Cross Section 51-Sb-127
-99.69 To 9999. %



Incident Energy (eV)

51-Sb-127

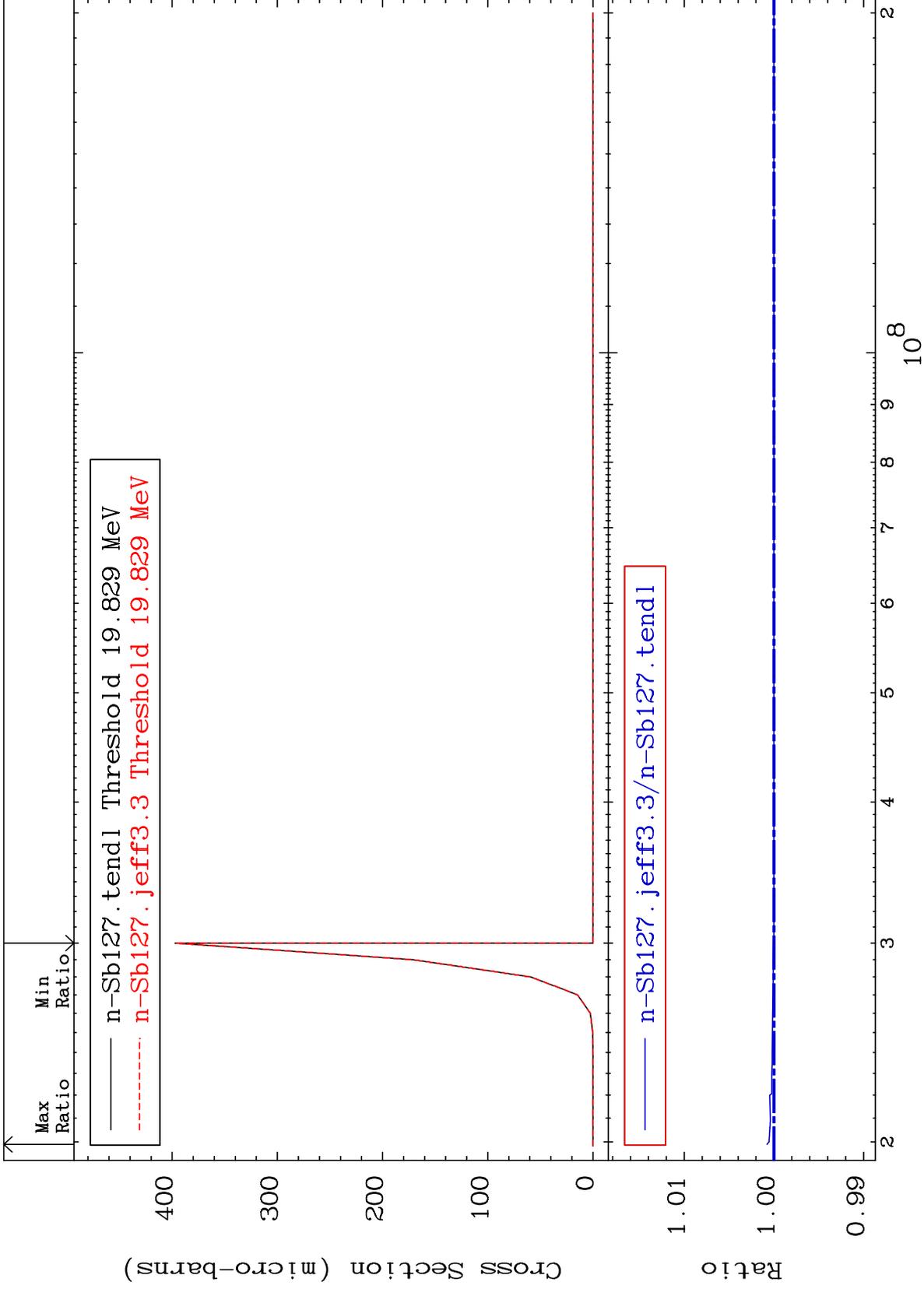
MAT 5143

(n,2n) d

51-Sb-127

Cross Section

0.000 To 0.078 %



3

Incident Energy (eV)

51-Sb-127

MAT 5143

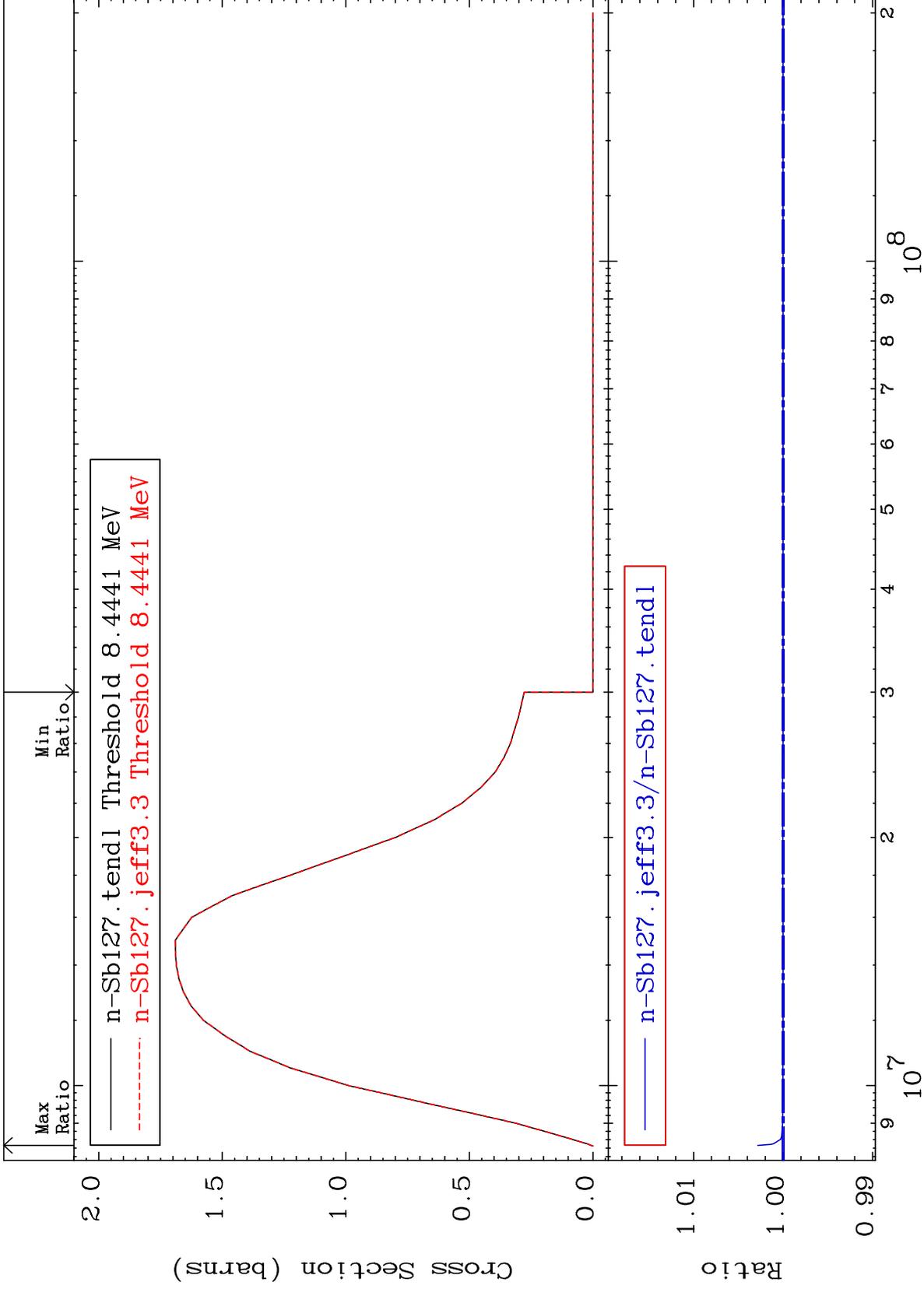
(n,2n)

51-Sb-127

Cross Section

0.000

To 0.283 %



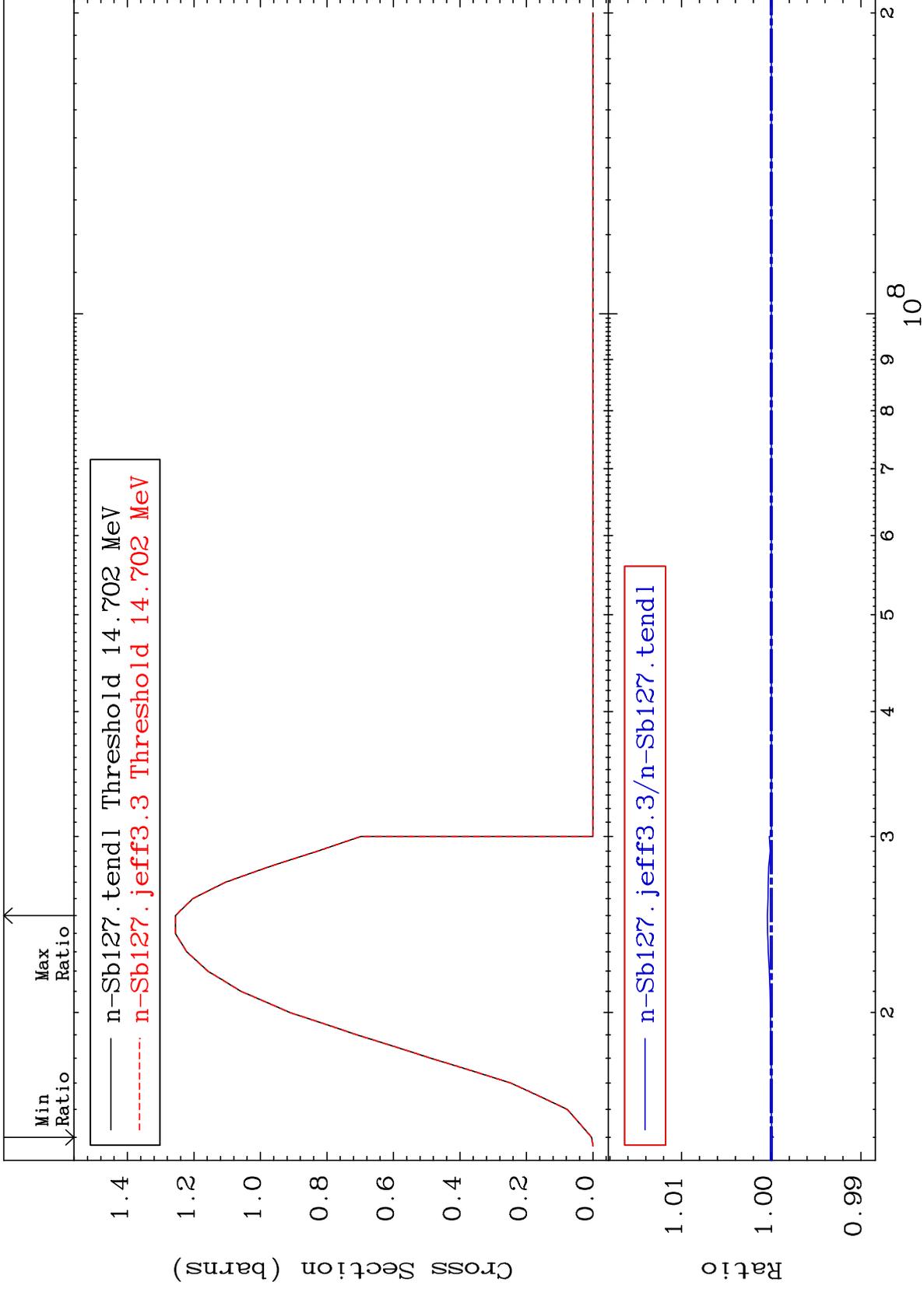
Incident Energy (eV)

51-Sb-127

4

Cross Section

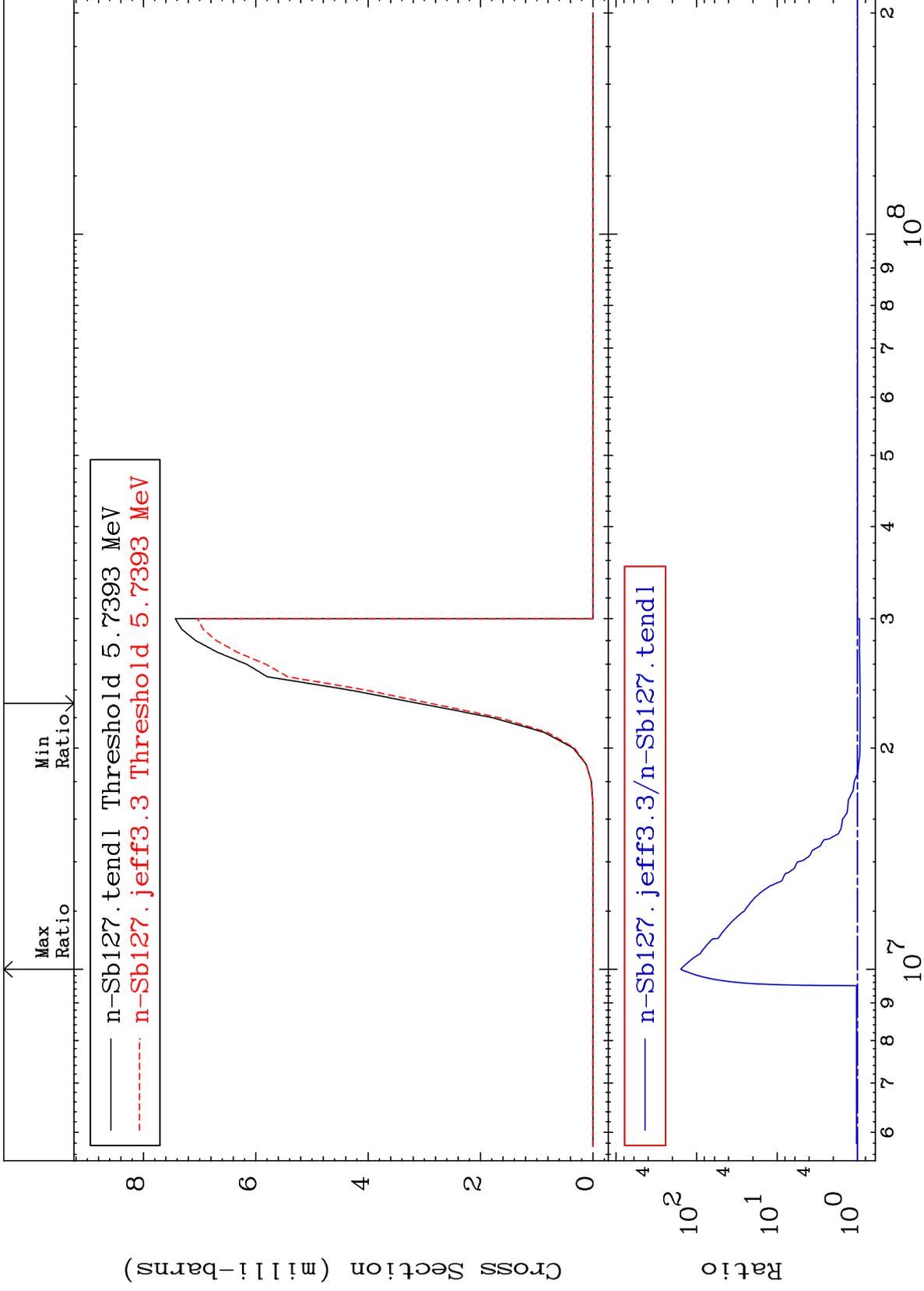
-0.024 To 0.043 %



MAT 5143

(n, n') α
Cross Section

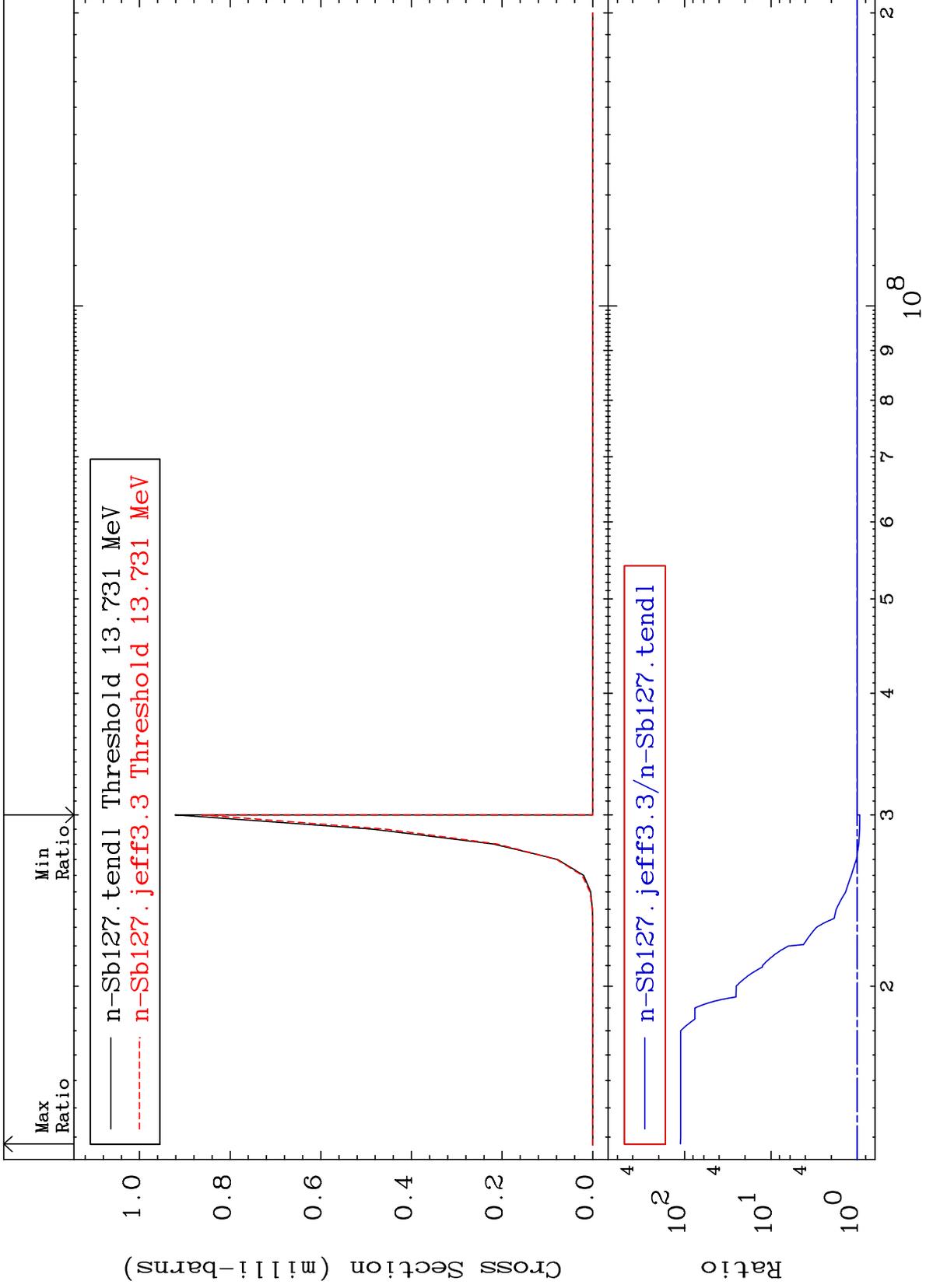
51-Sb-127
-6.797 To 9999. %



MAT 5143

(n,2n) α
Cross Section

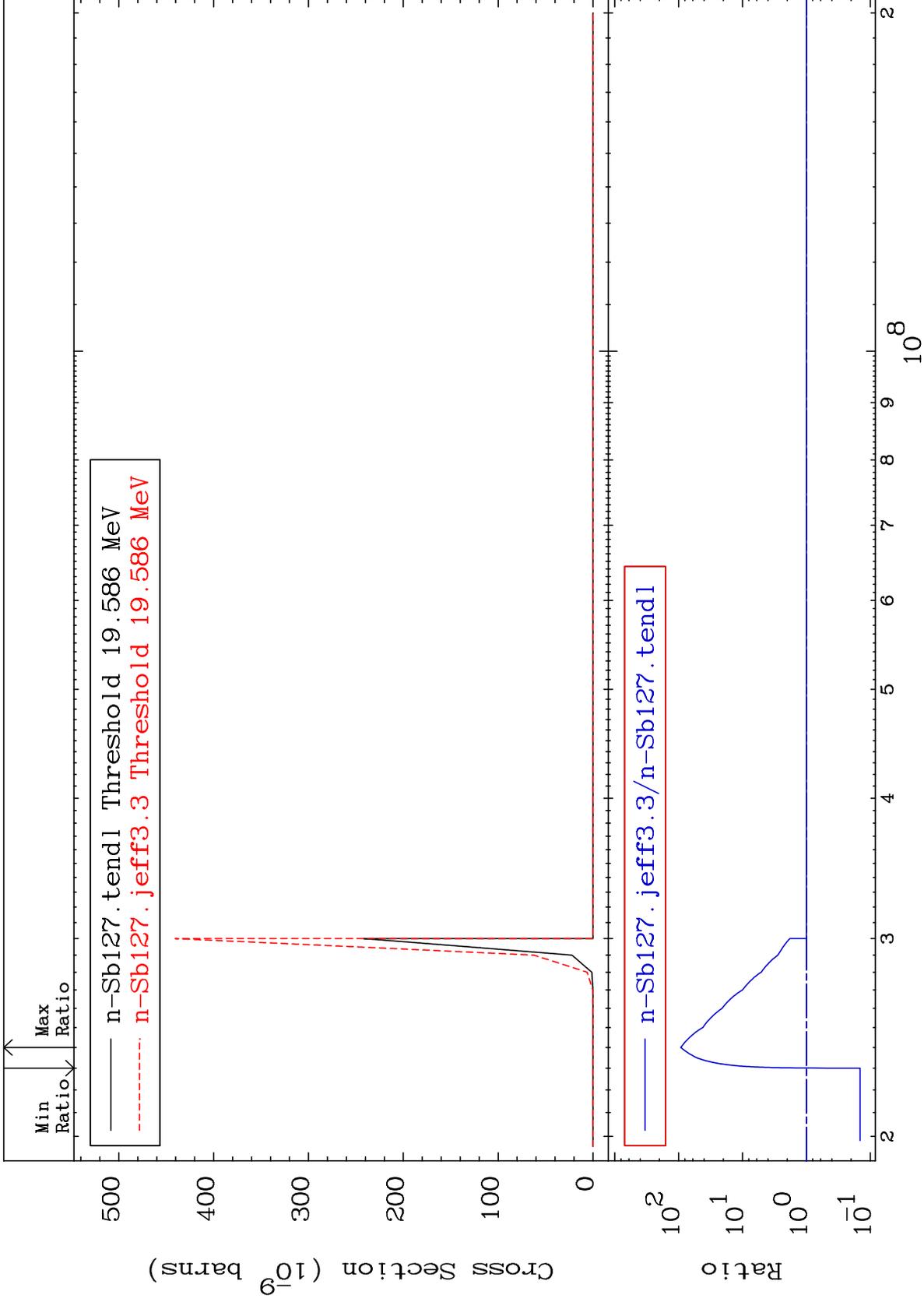
51-Sb-127
-6.407 To 9999. %



MAT 5143

(n,3n) α
Cross Section

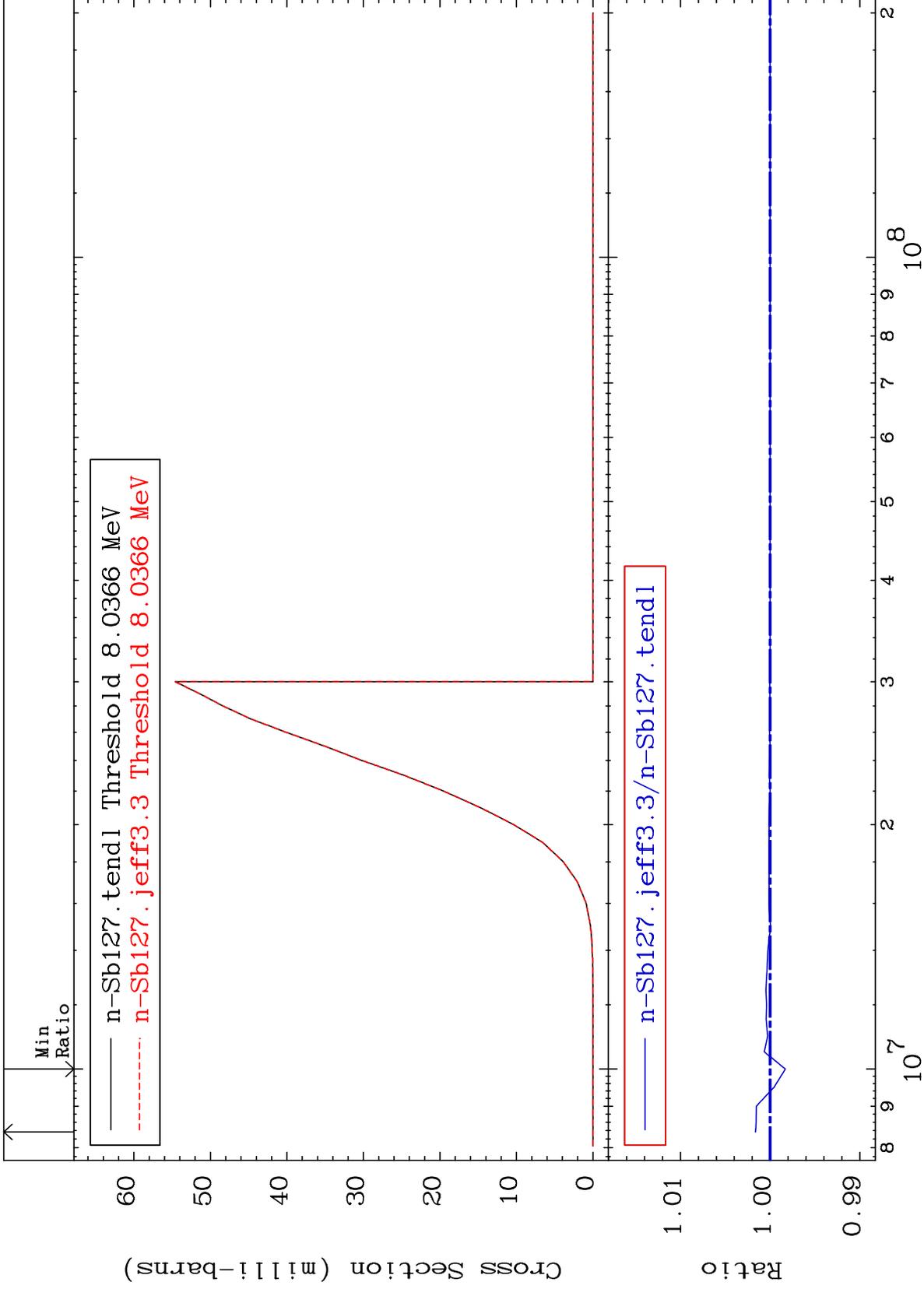
51-Sb-127
-85.53 To 9186. %



MAT 5143

(n,n') p
Cross Section

51-Sb-127
-0.170 To 0.164 %



9

Incident Energy (eV)

51-Sb-127

MAT 5143

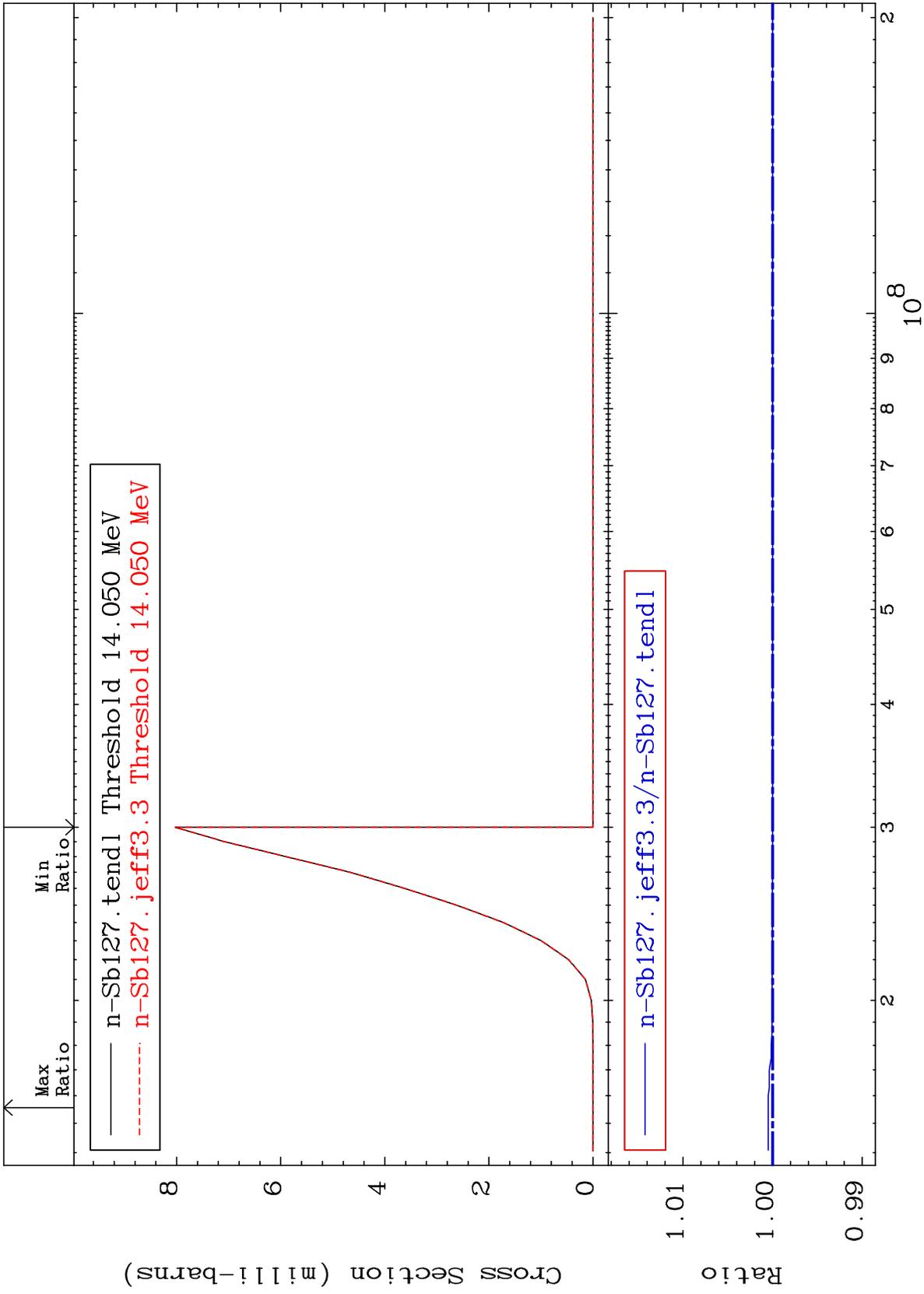
(n,n') d

51-Sb-127

Cross Section

0.000

To 0.049 %



10

Incident Energy (eV)

51-Sb-127

MAT 5143

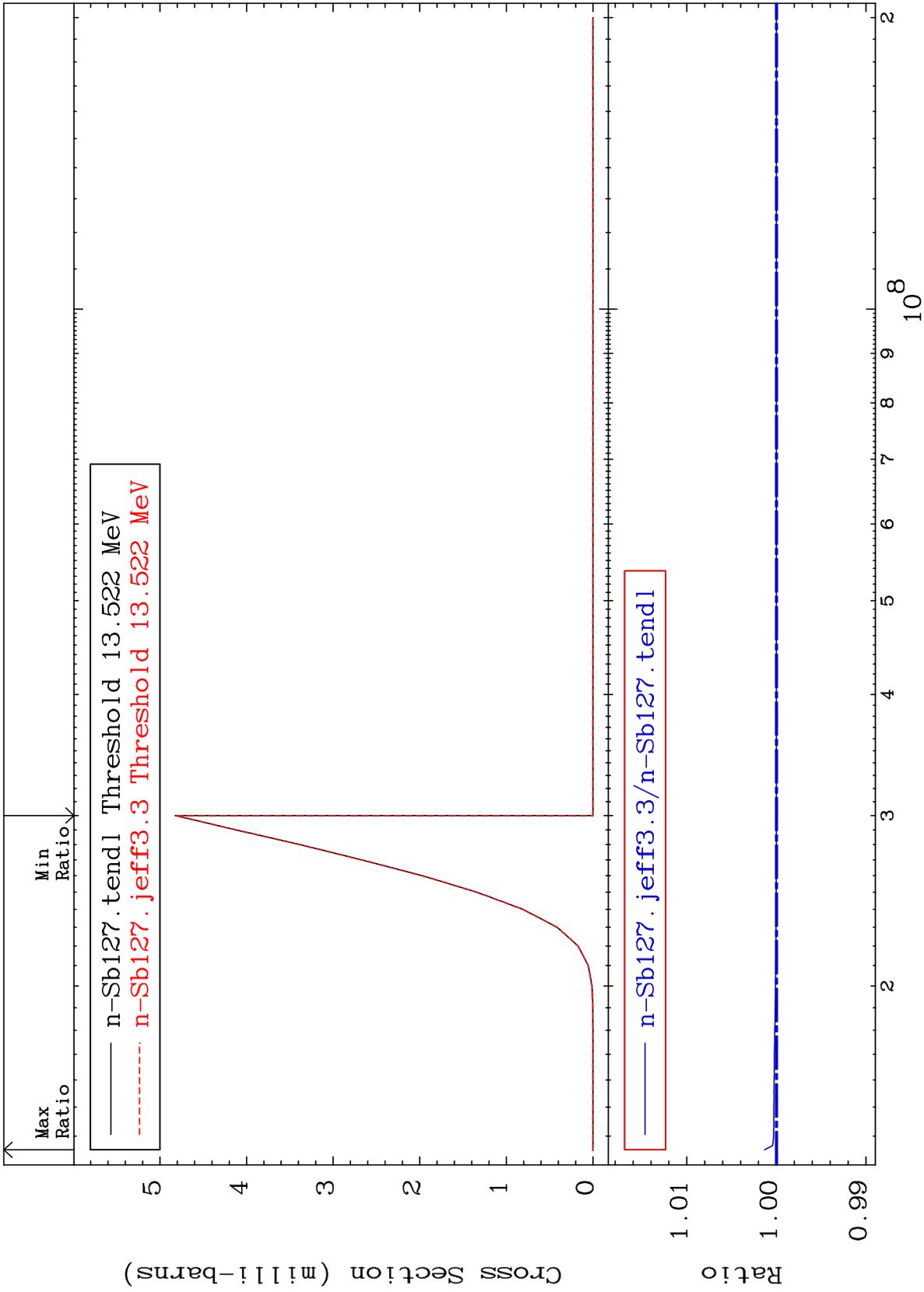
(n,n') t

51-Sb-127

Cross Section

0.000

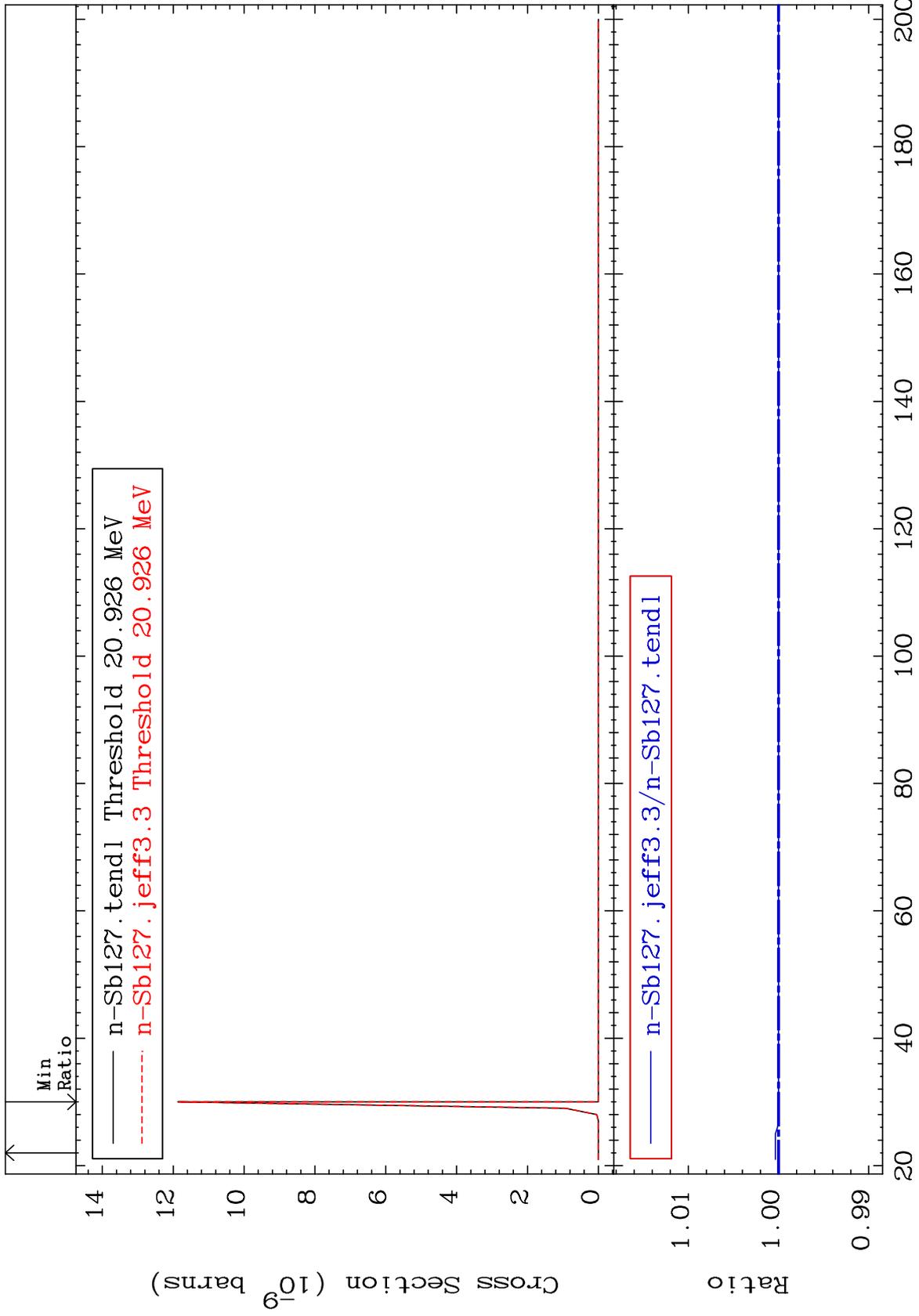
To 0.134 %



MAT 5143

(n, n') He-3
Cross Section

51-Sb-127
To 0.035 %



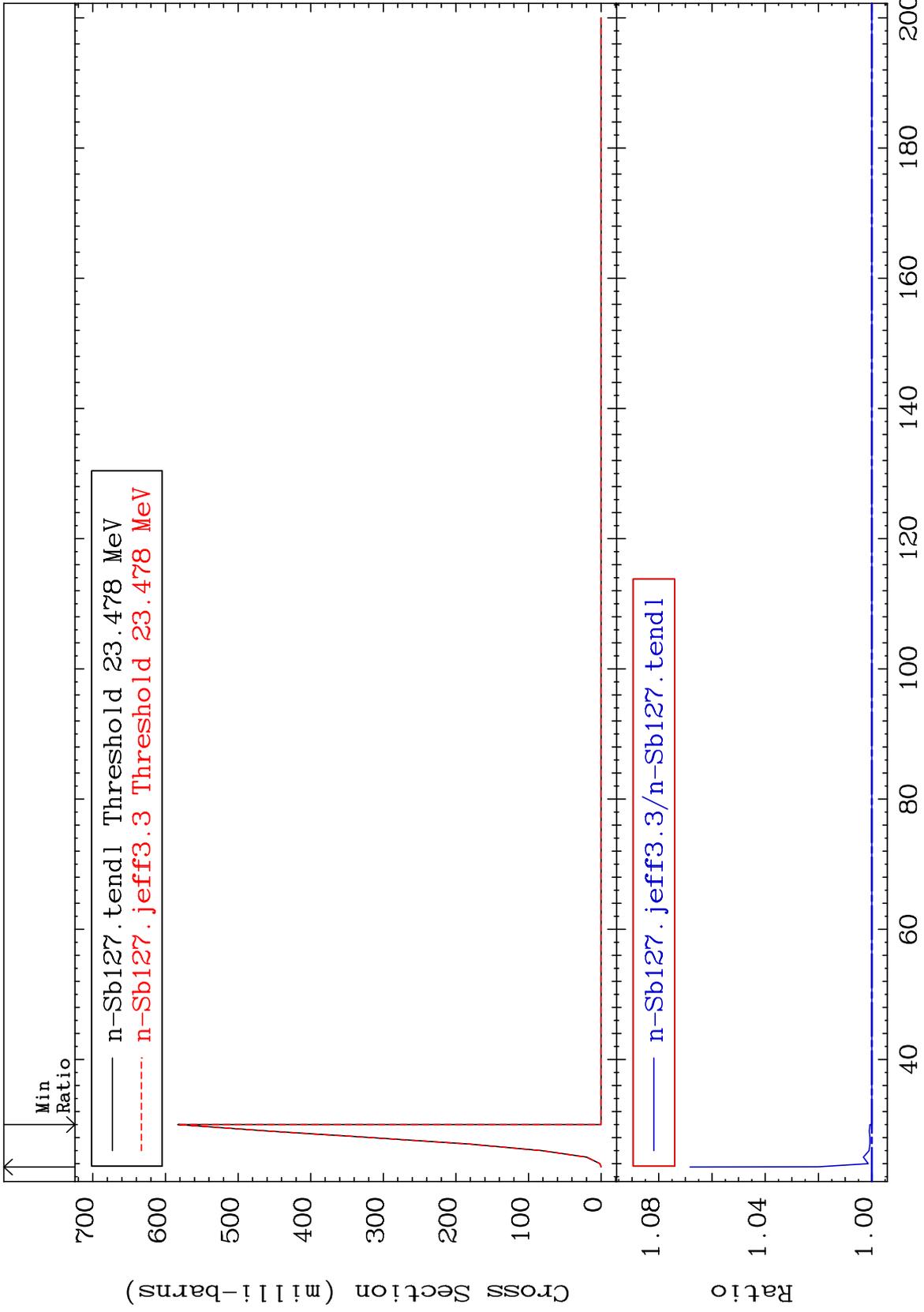
MAT 5143

(n,4n)

51-Sb-127

Cross Section

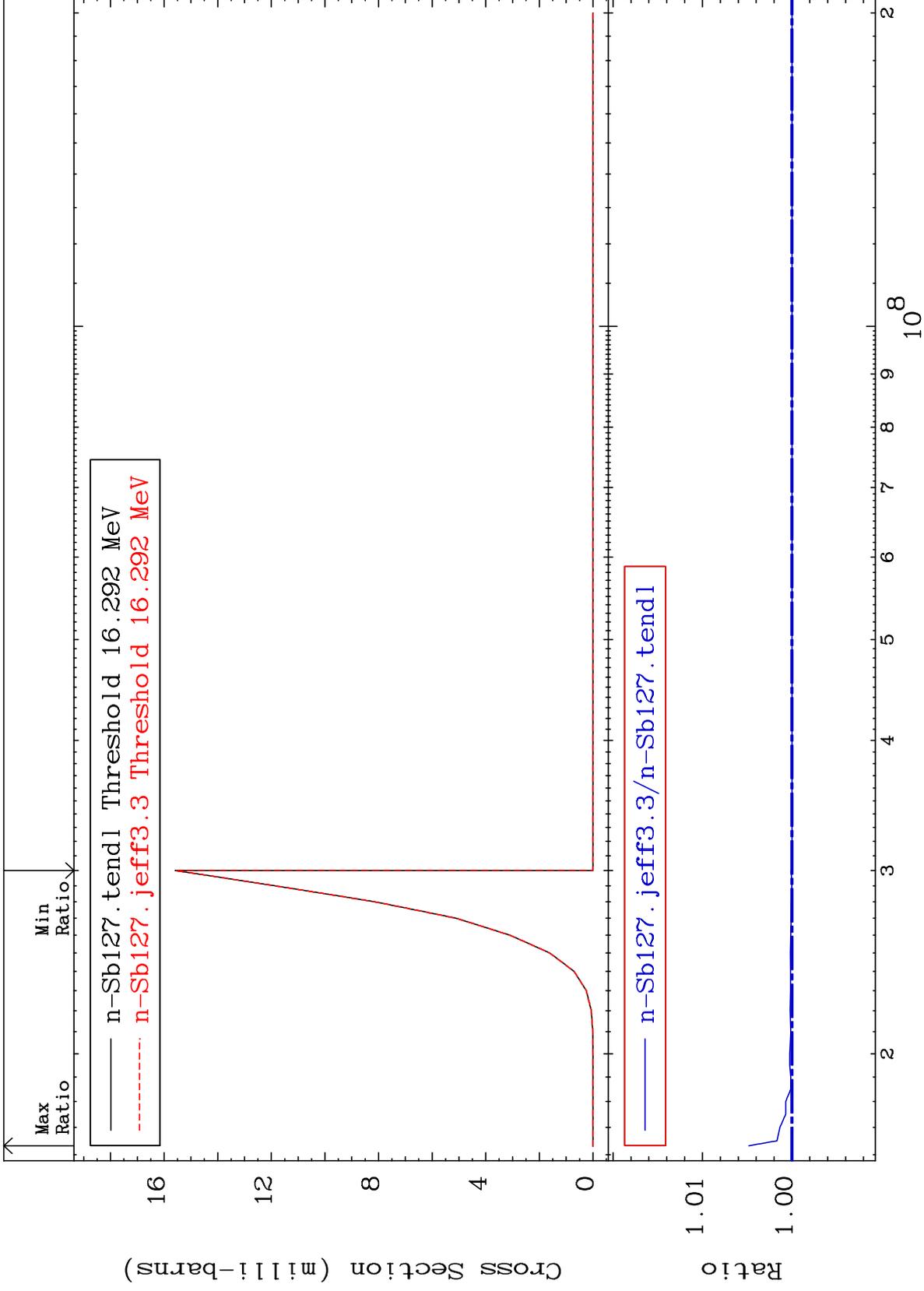
0.000 To 6.821 %



MAT 5143

(n,2n) p
Cross Section

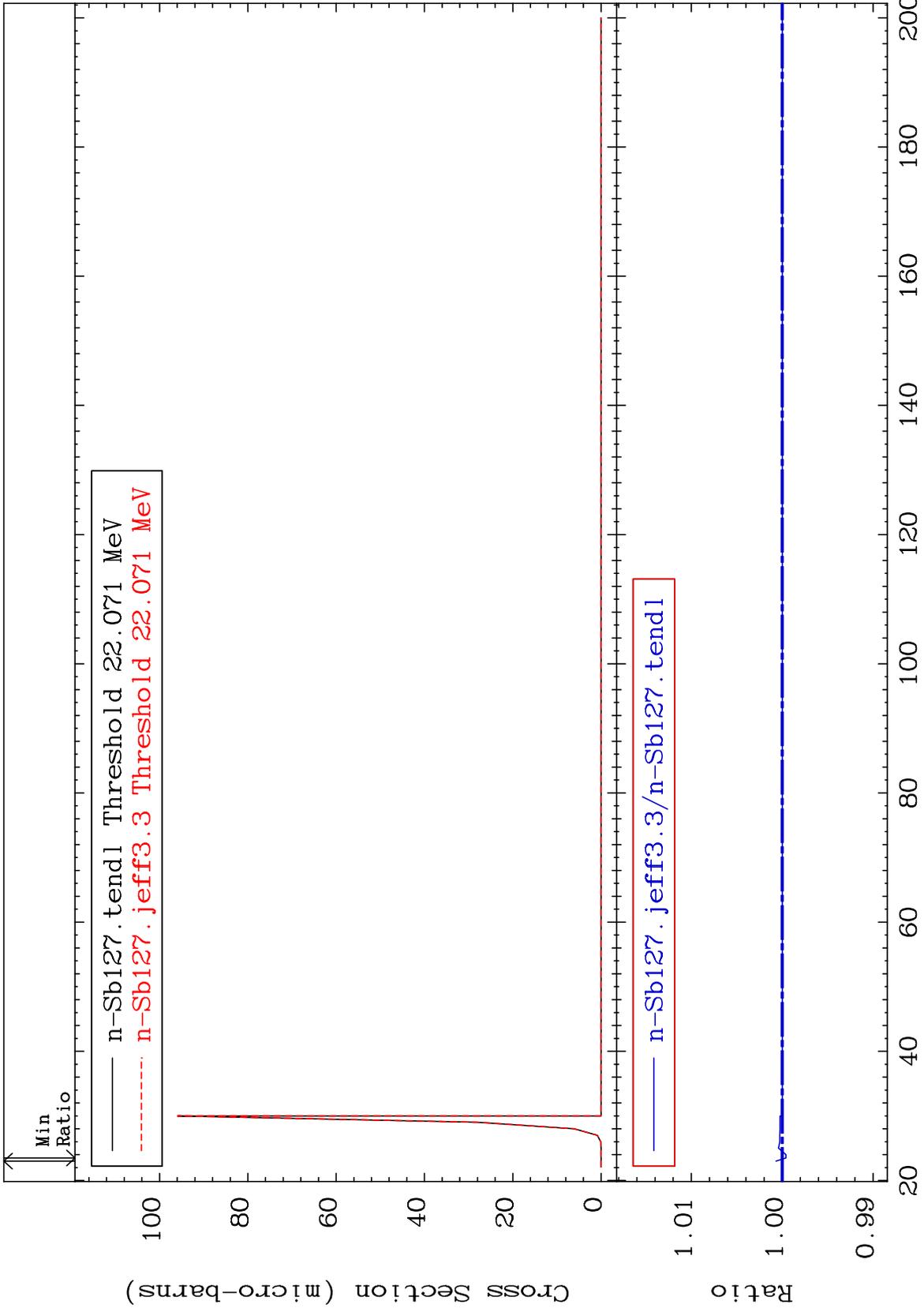
51-Sb-127
To 0.482 %



MAT 5143

(n,3n) p
Cross Section

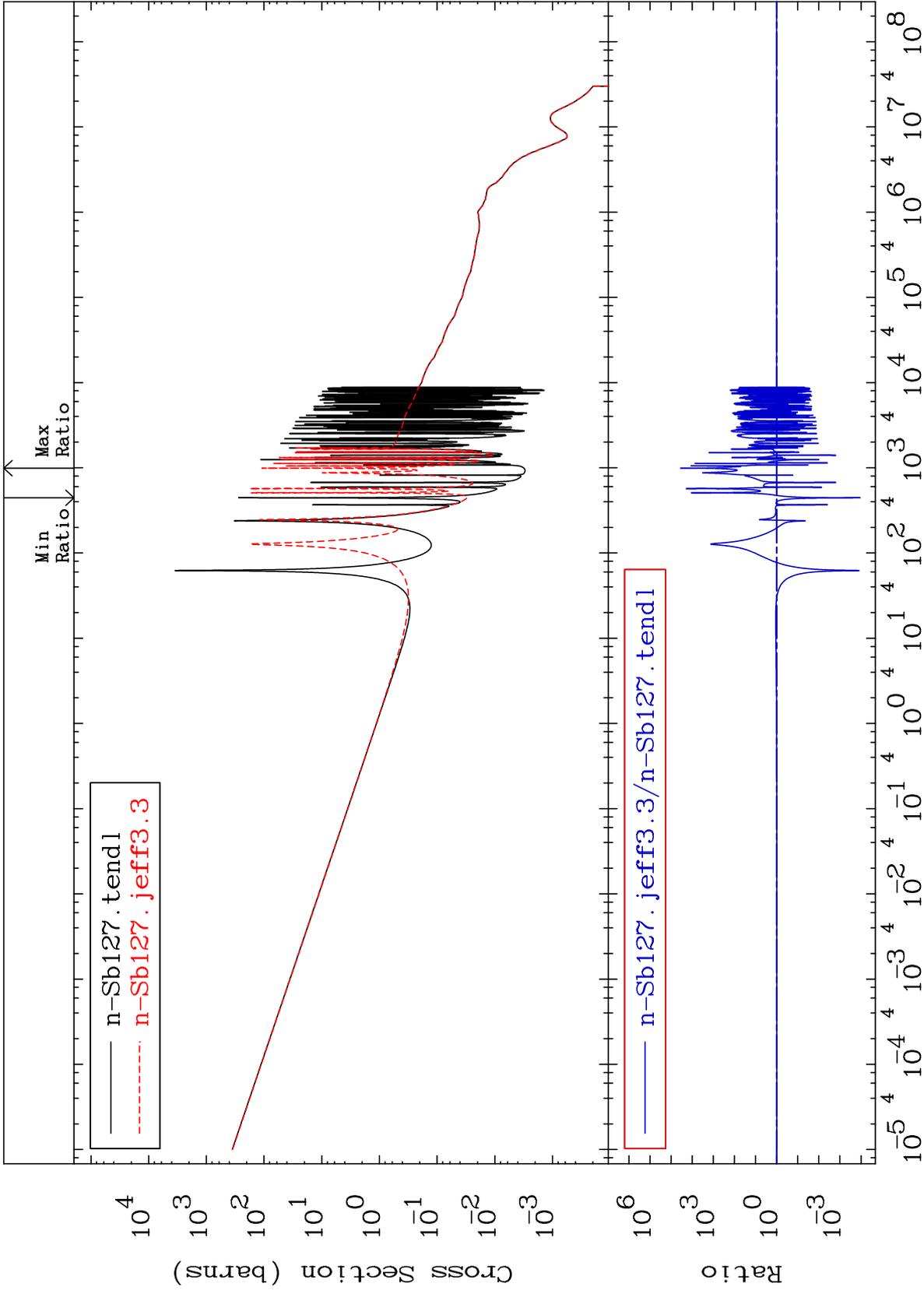
51-Sb-127
-0.041 To 0.069 %



MAT 5143

(n, γ)
Cross Section

51-Sb-127
-99.99 To 9999. %



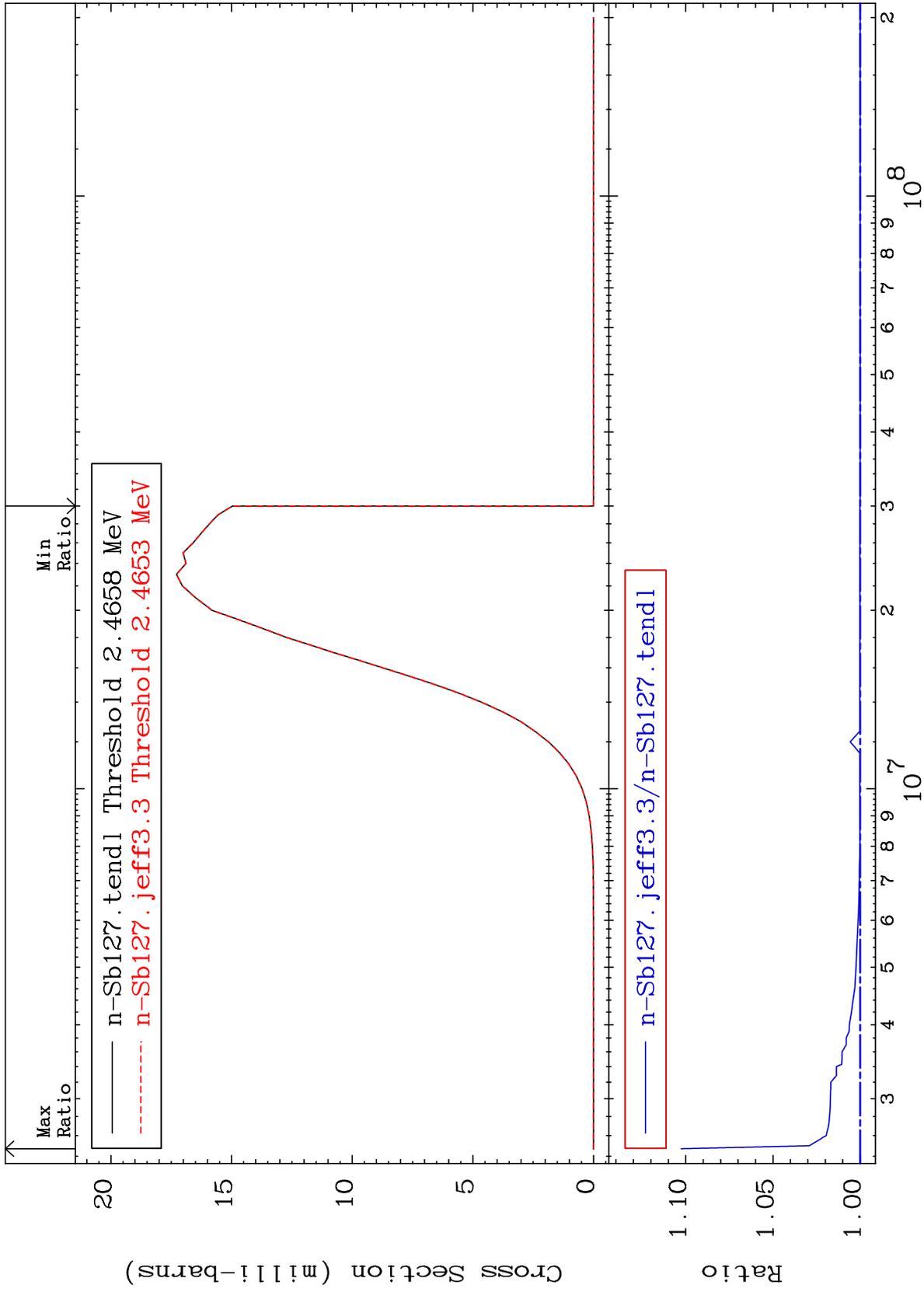
16

Incident Energy (eV)

51-Sb-127

MAT 5143

(n,p)
Cross Section
51-Sb-127
To 10.26 %



17

Incident Energy (eV)

51-Sb-127

MAT 5143

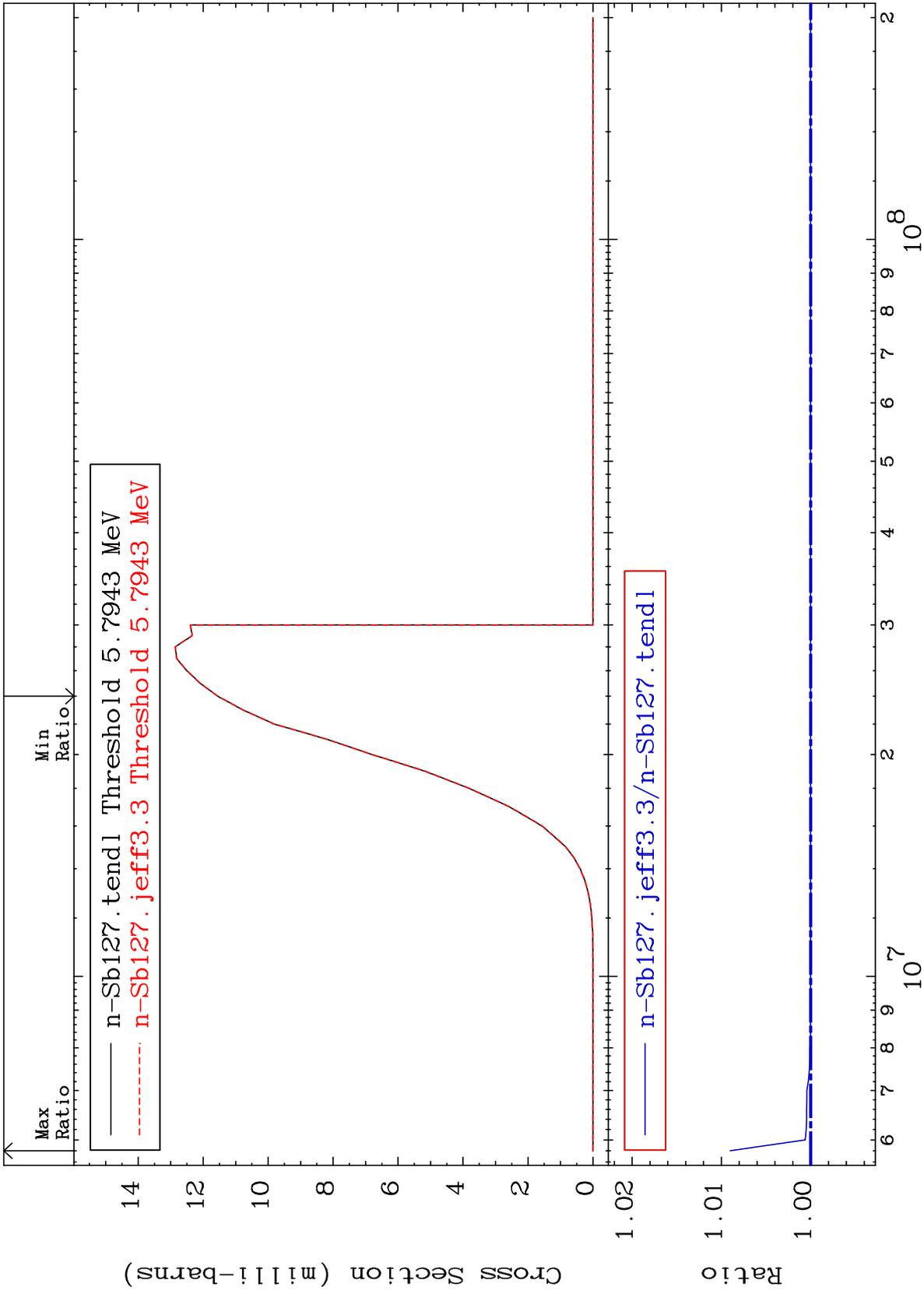
(n, d)

51-Sb-127

Cross Section

0.000

To 0.902 %



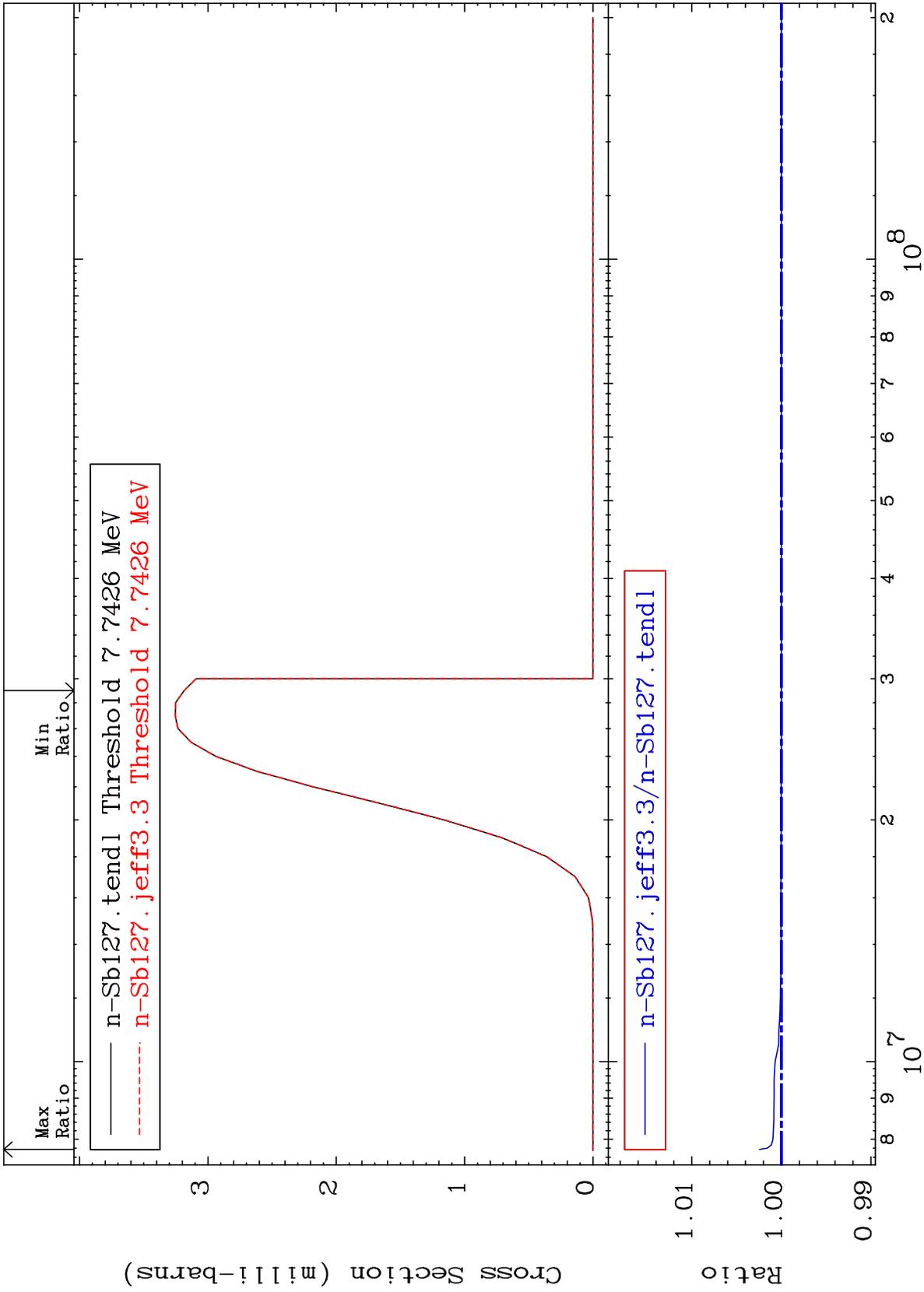
18

Incident Energy (eV)

51-Sb-127

MAT 5143

(n, t)
Cross Section
51-Sb-127
0.000 To 0.244 %



19

Incident Energy (eV)

51-Sb-127

MAT 5143

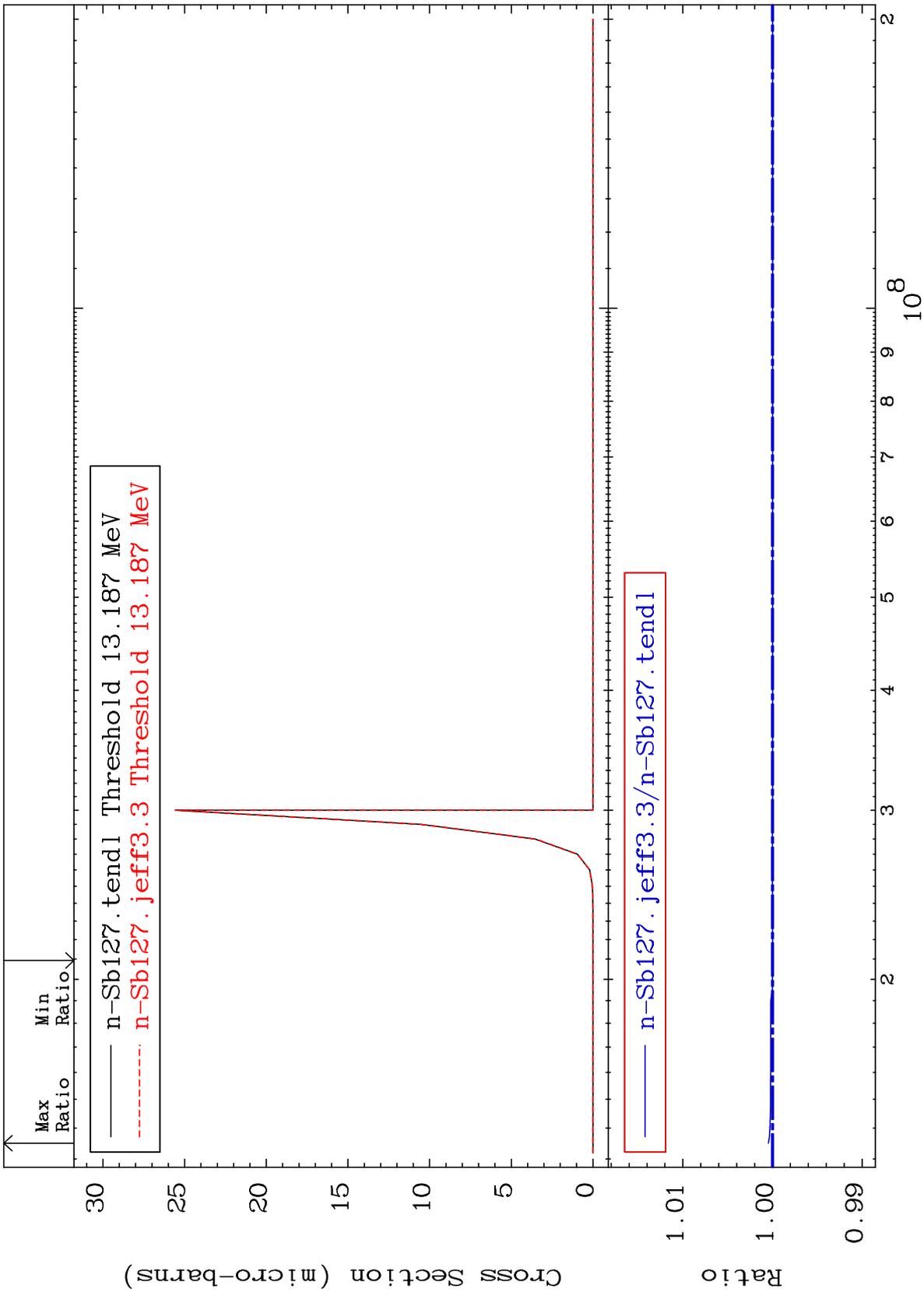
(n, He-3)

51-Sb-127

Cross Section

0.000

To 0.047 %



20

Incident Energy (eV)

51-Sb-127

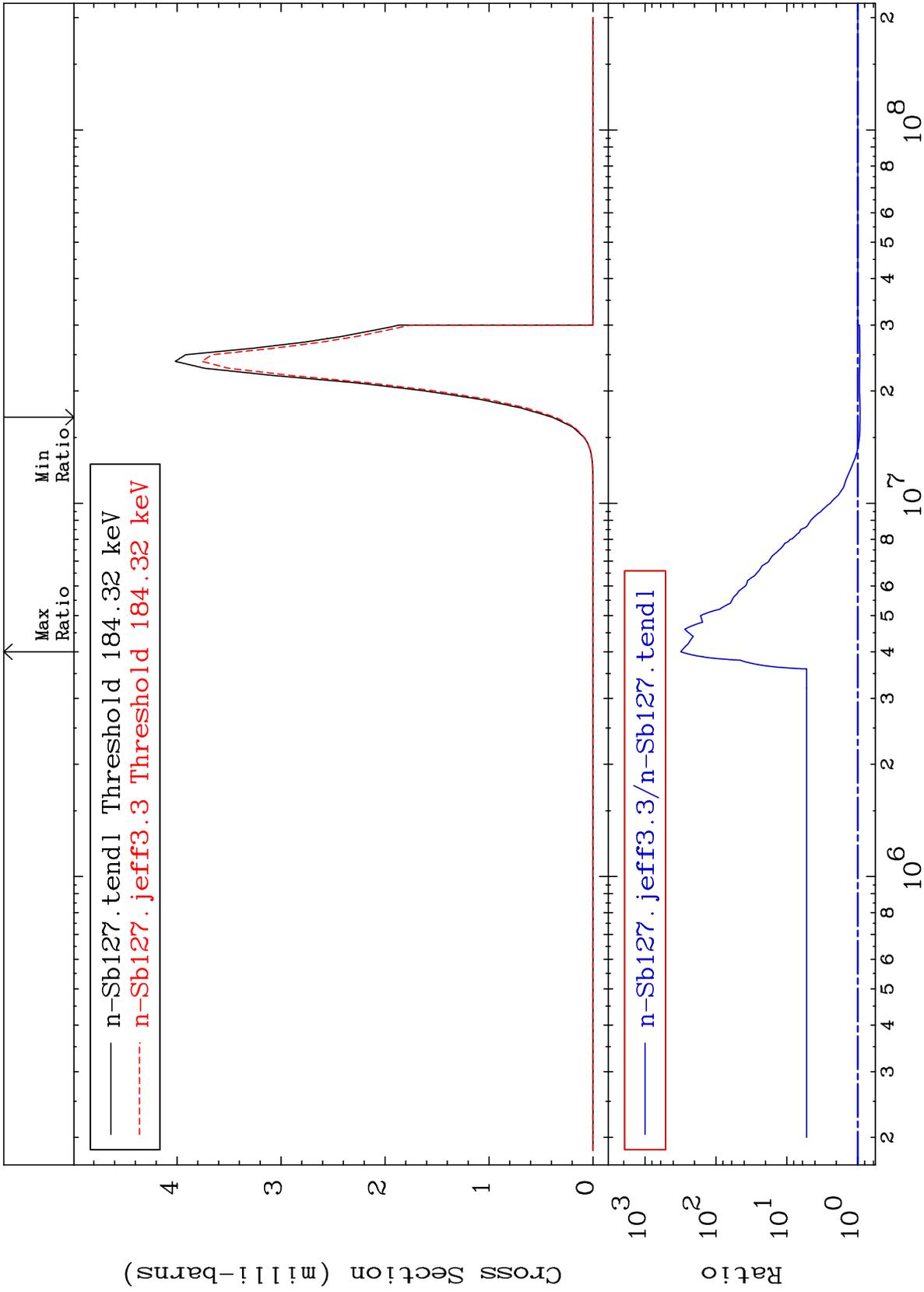
MAT 5143

(n, α)

51-Sb-127

-7.451 To 9999. %

Cross Section



MAT 5143

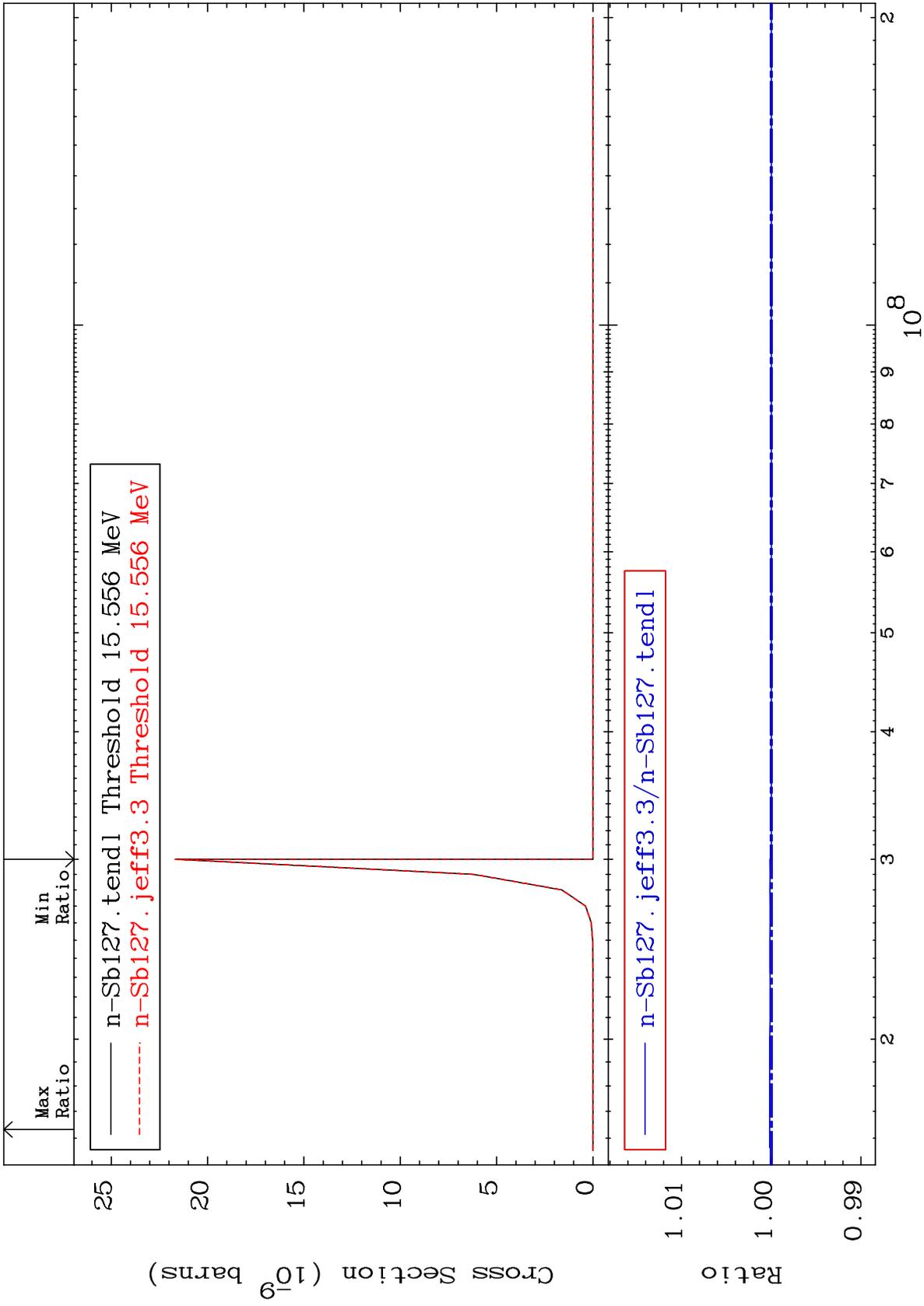
(n,2p)

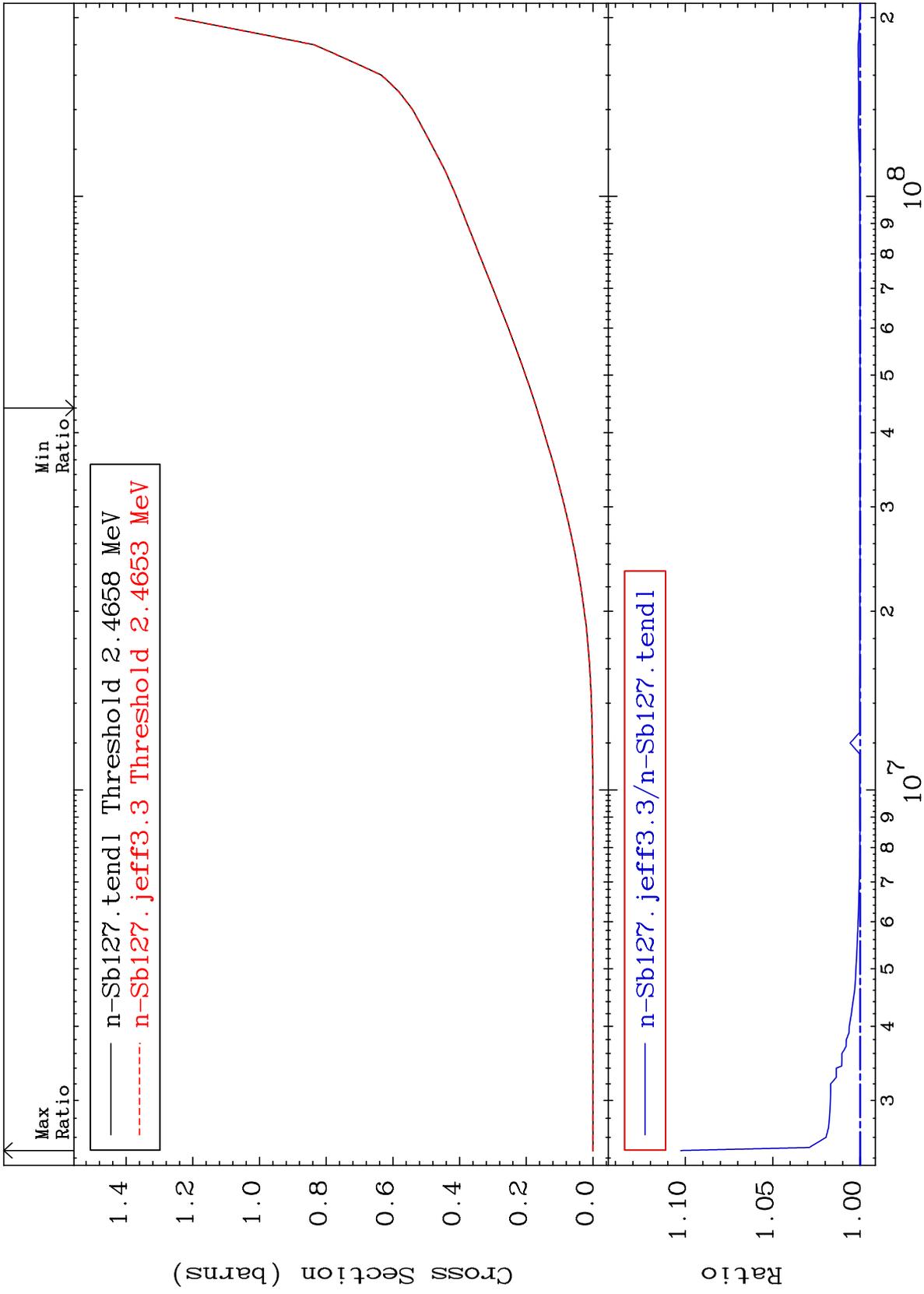
51-Sb-127

Cross Section

0.000

To 0.018 %

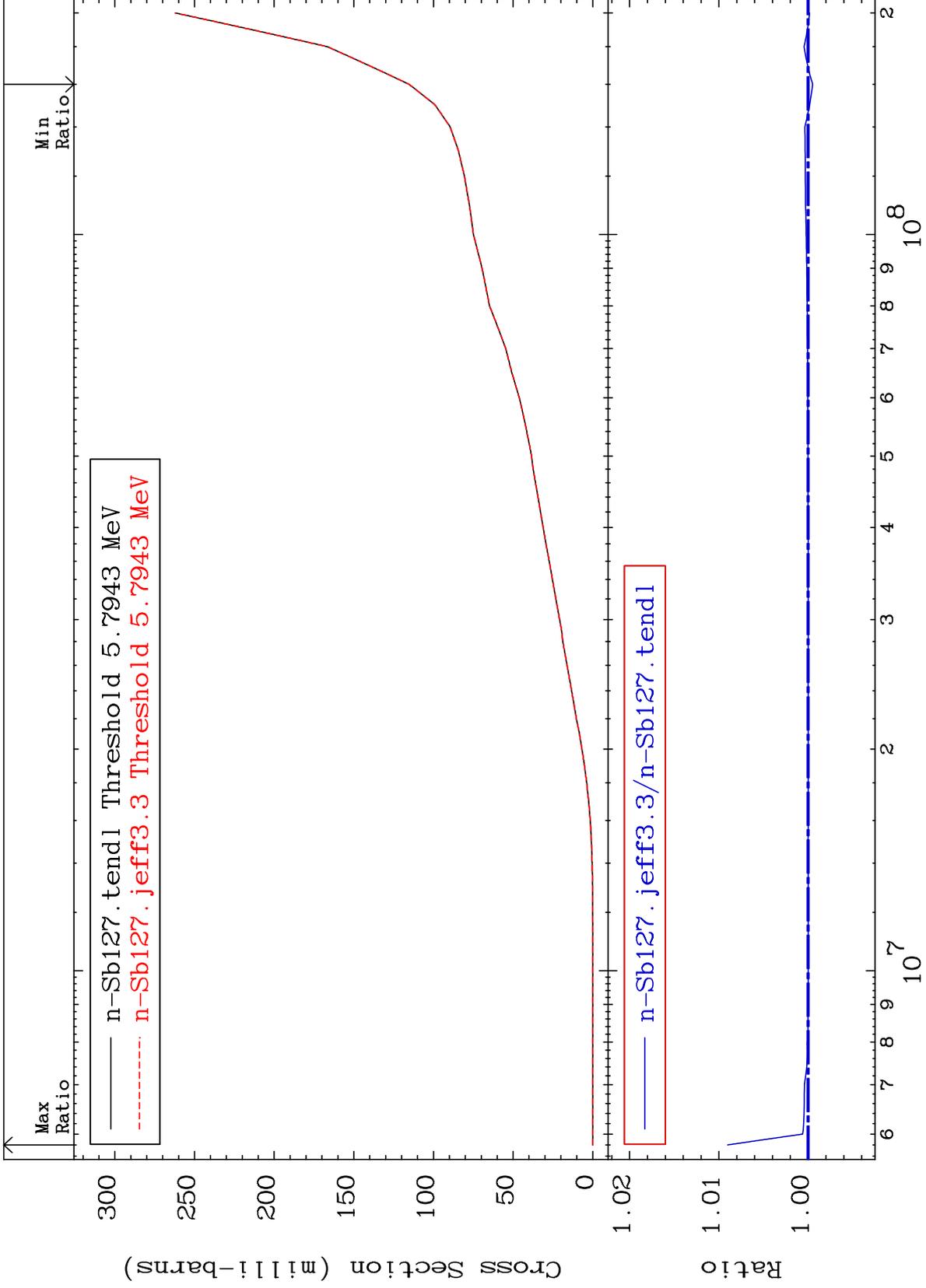




MAT 5143

Deuterium Production
Cross Section

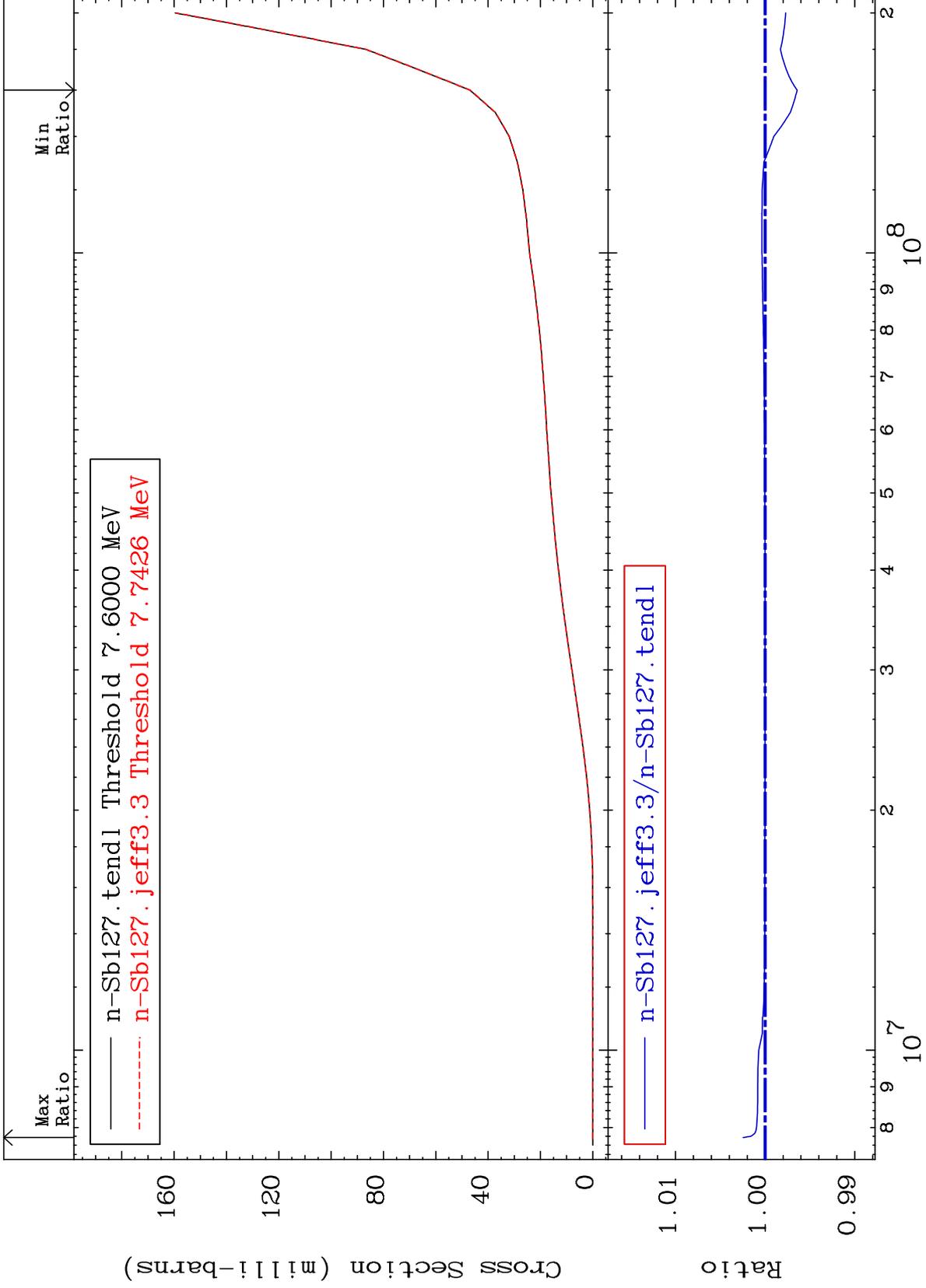
51-Sb-127
-0.051 To 0.902 %



MAT 5143

Tritium Production
Cross Section

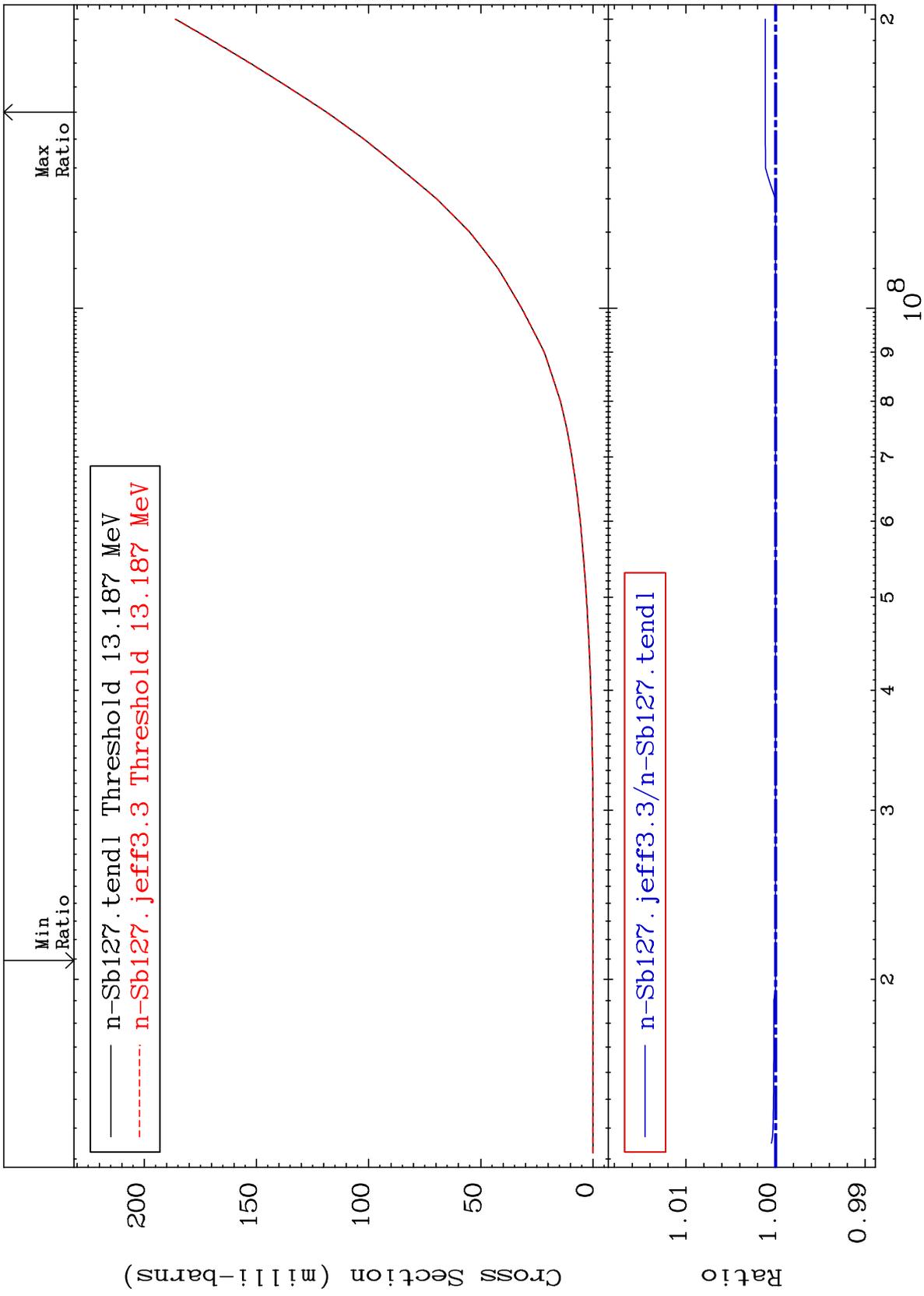
51-Sb-127
-0.357 To 0.245 %

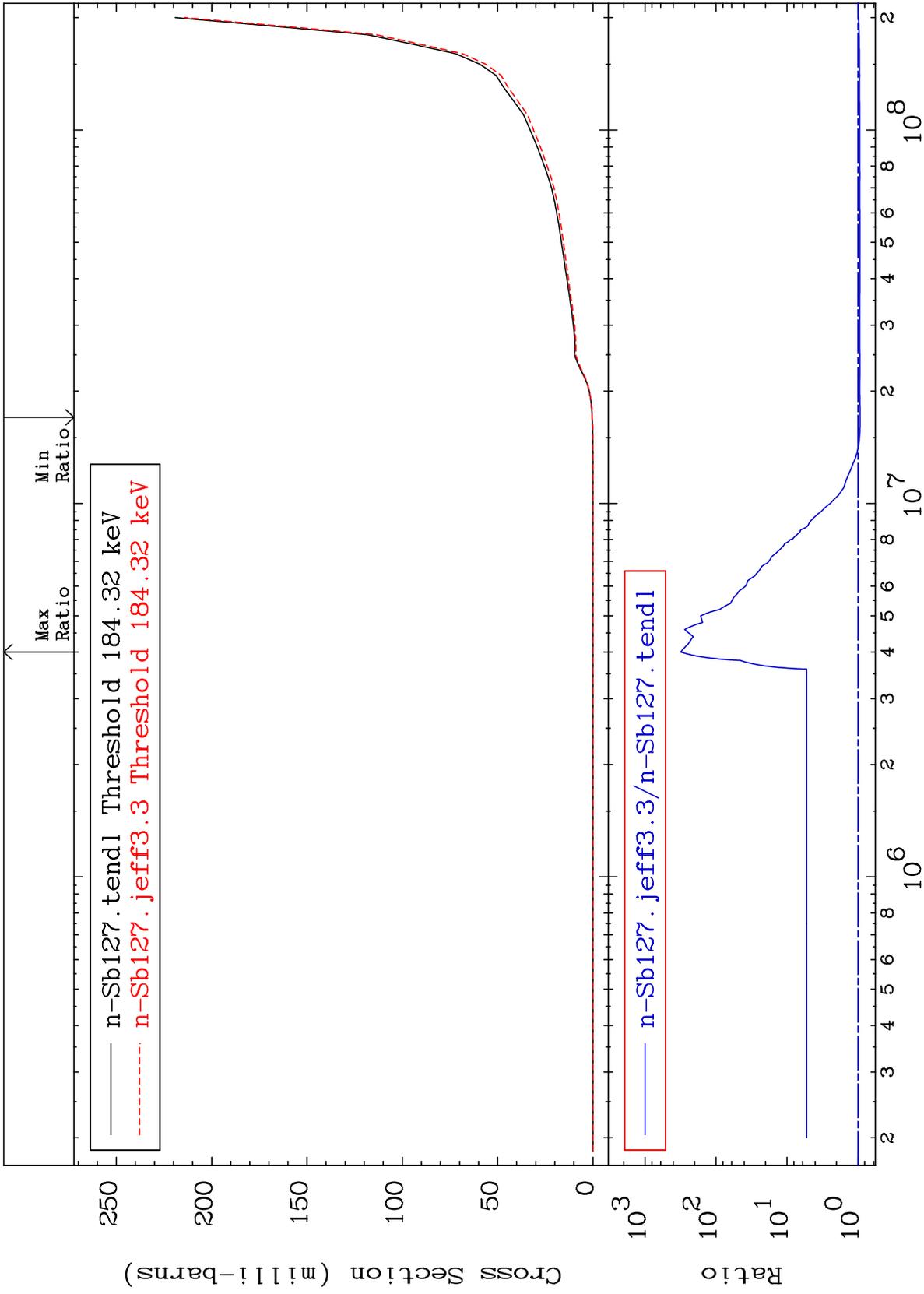


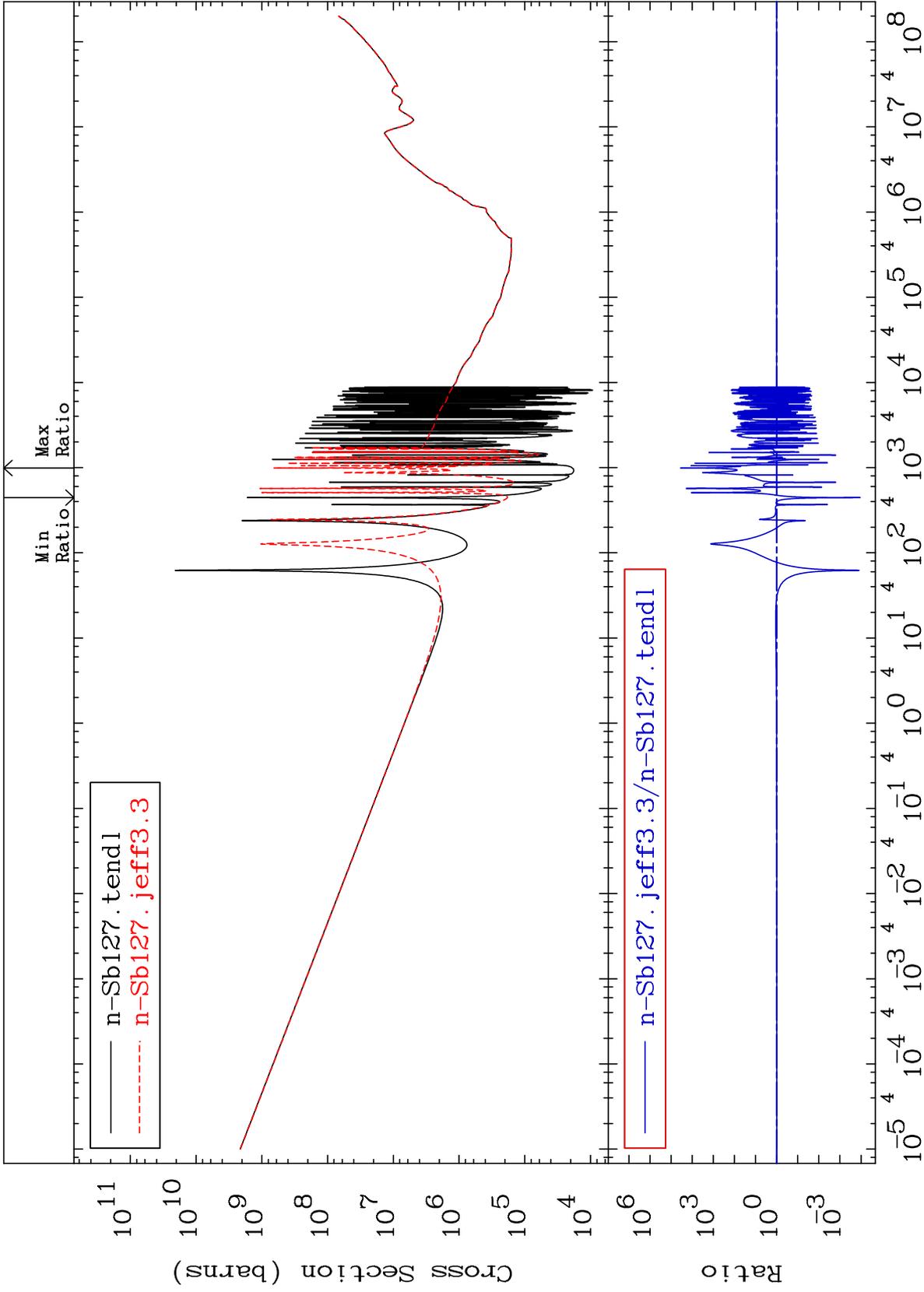
MAT 5143

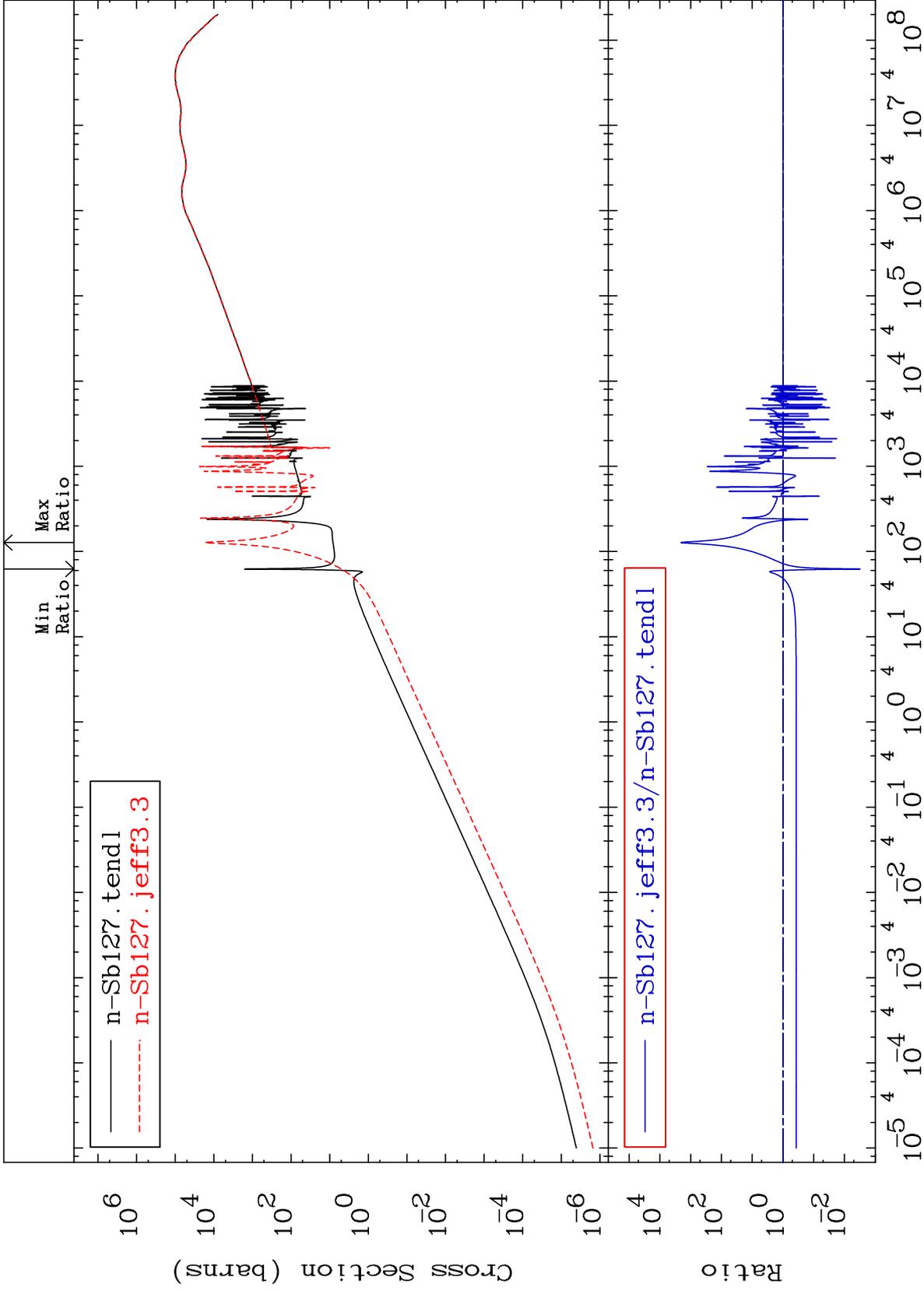
He-3 Production
Cross Section

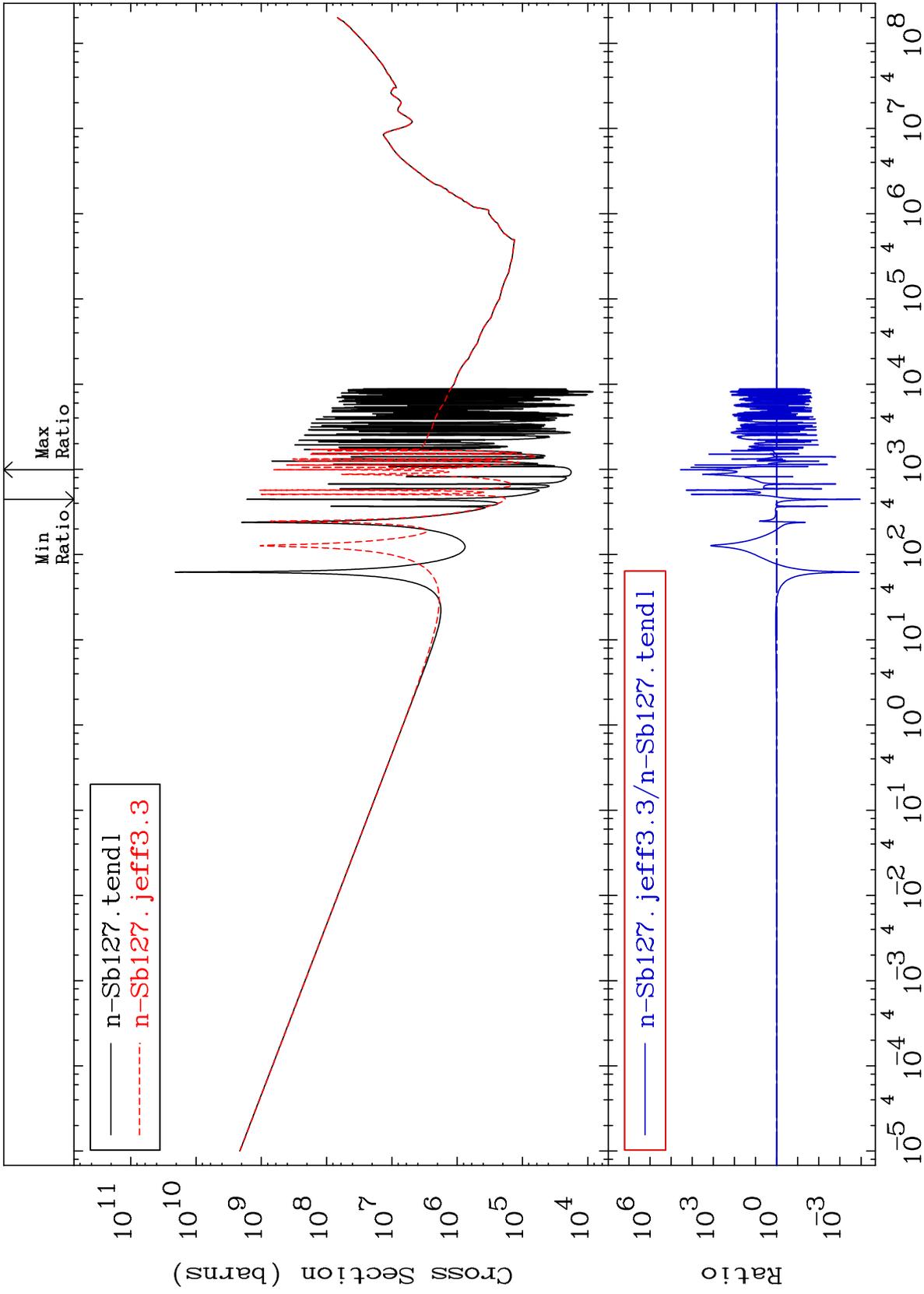
51-Sb-127
To 0.115 %

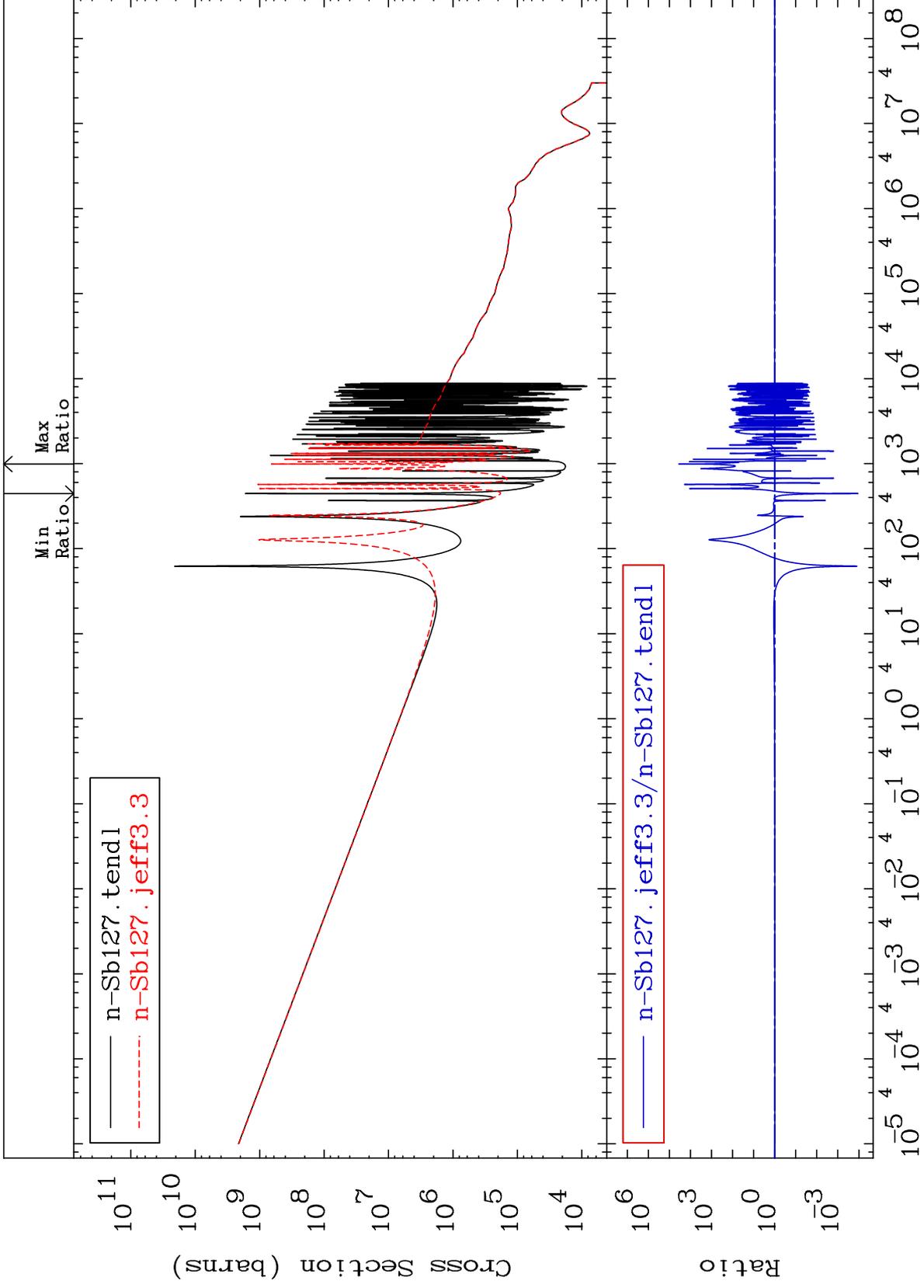


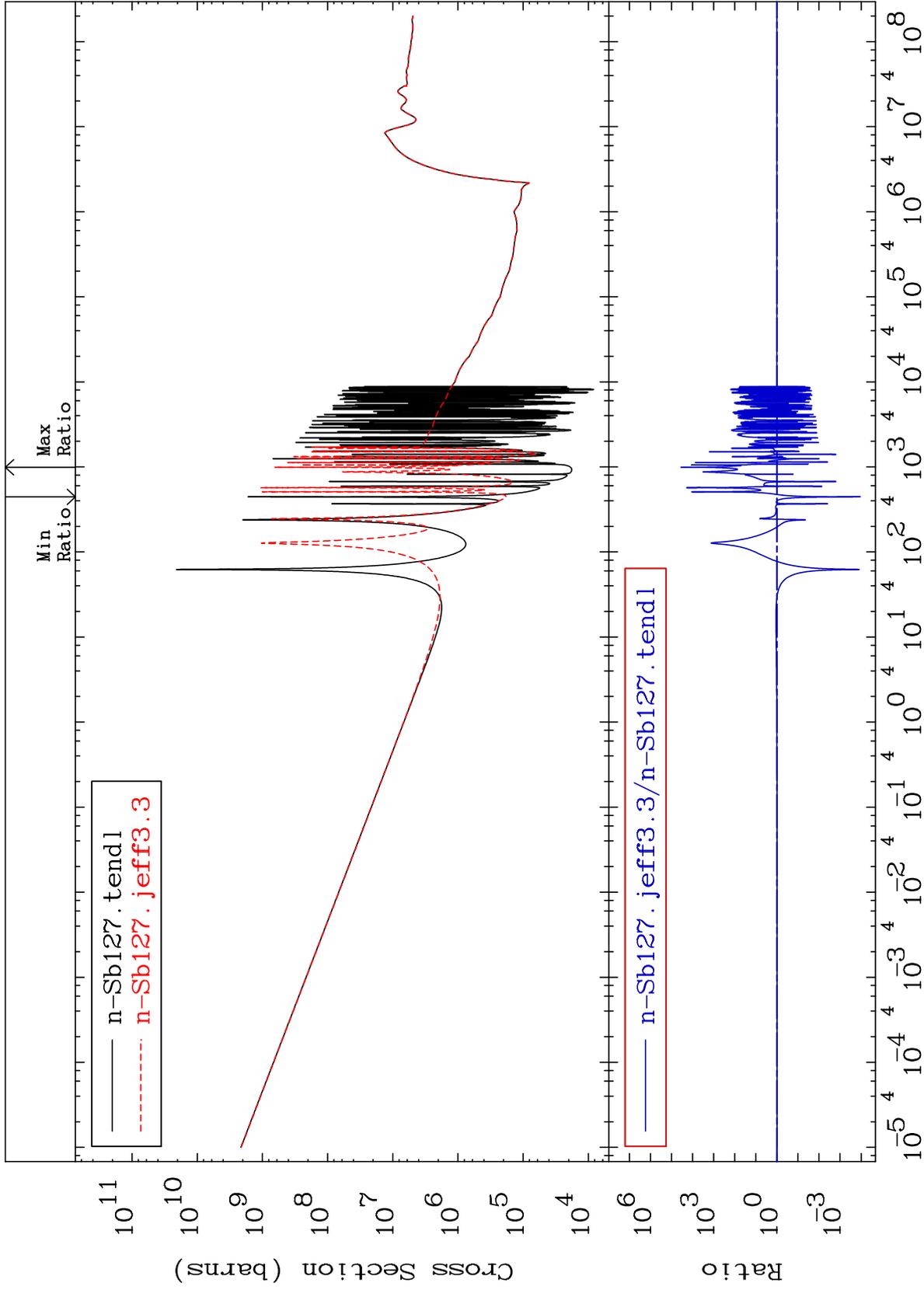


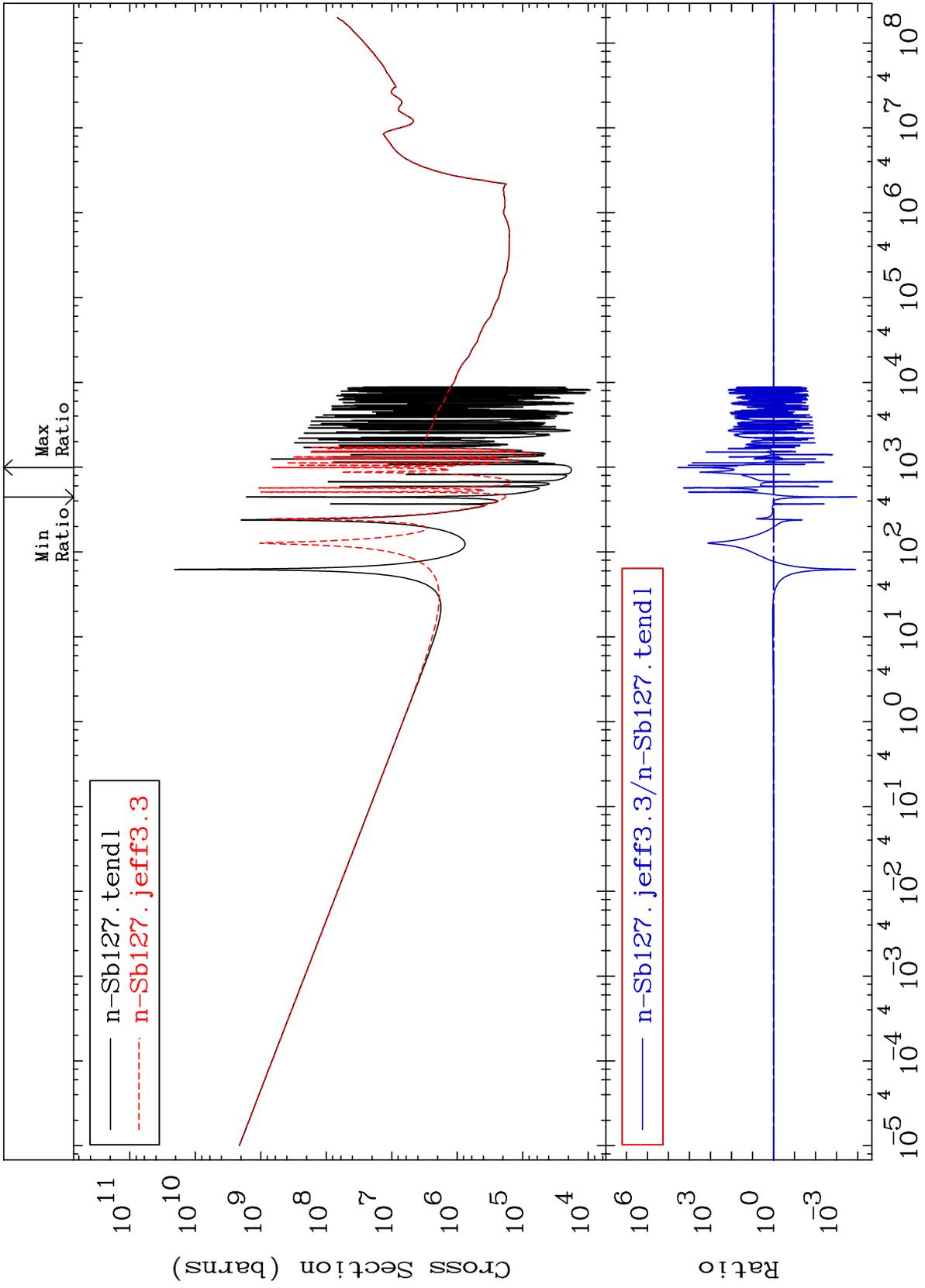


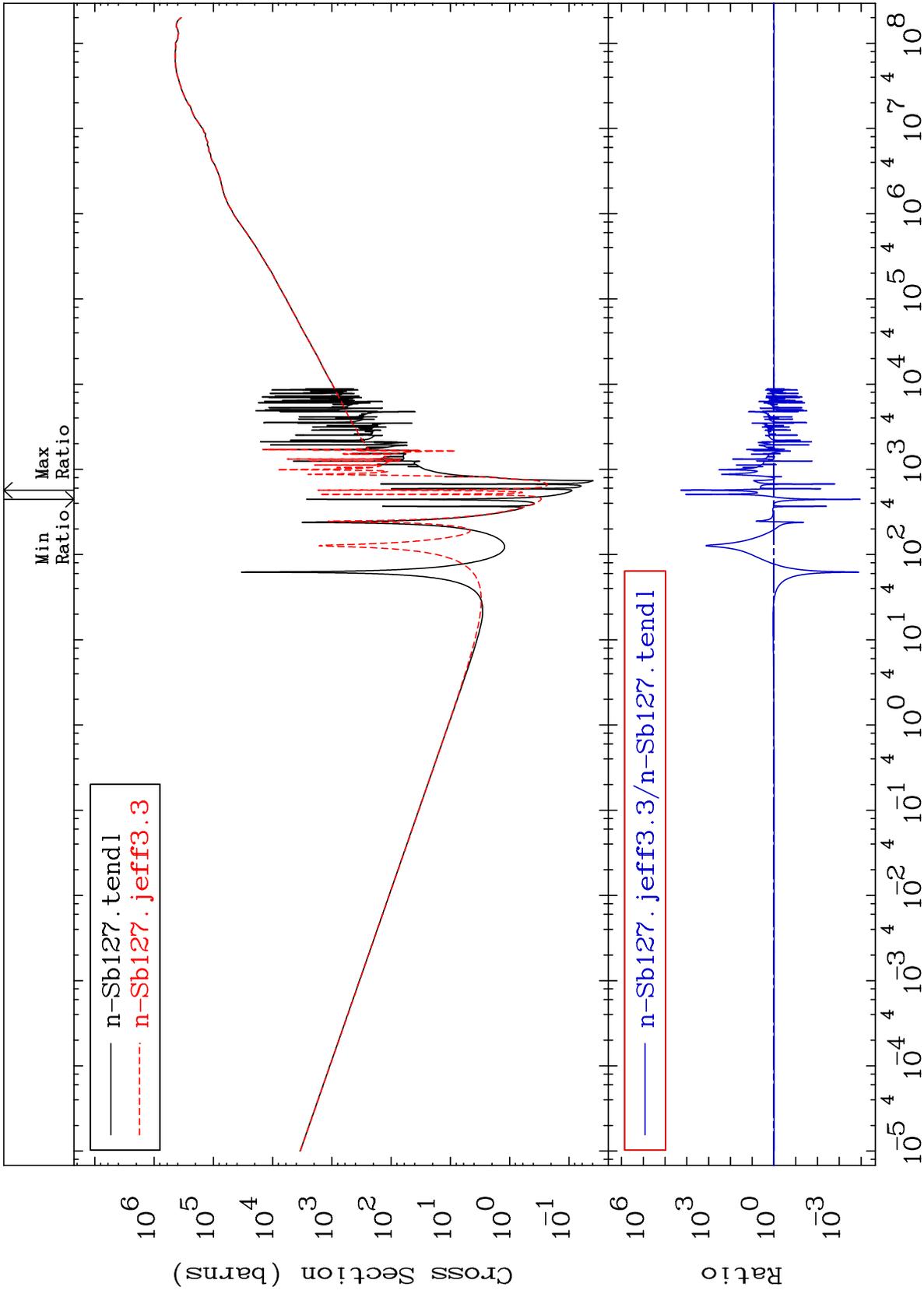








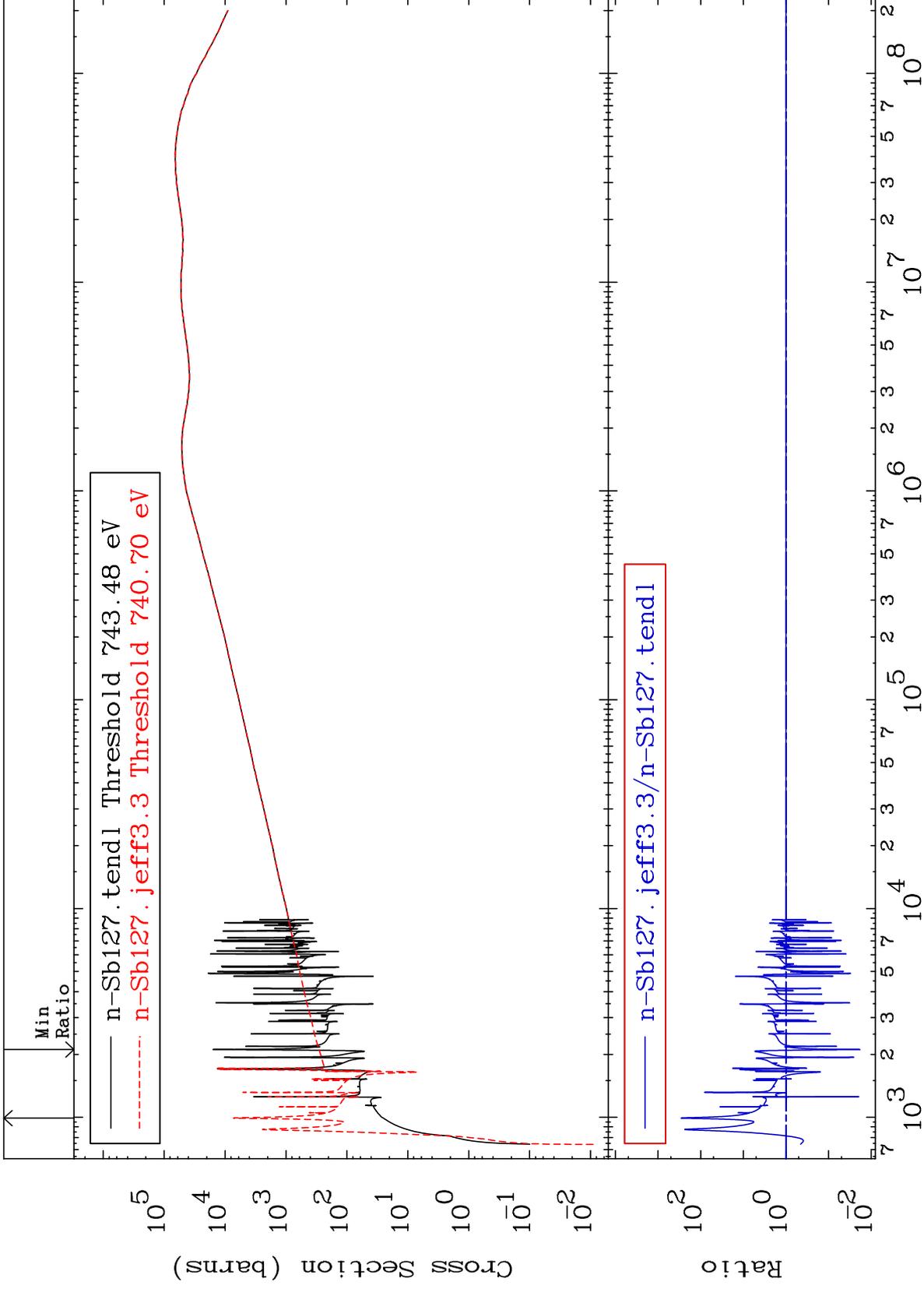


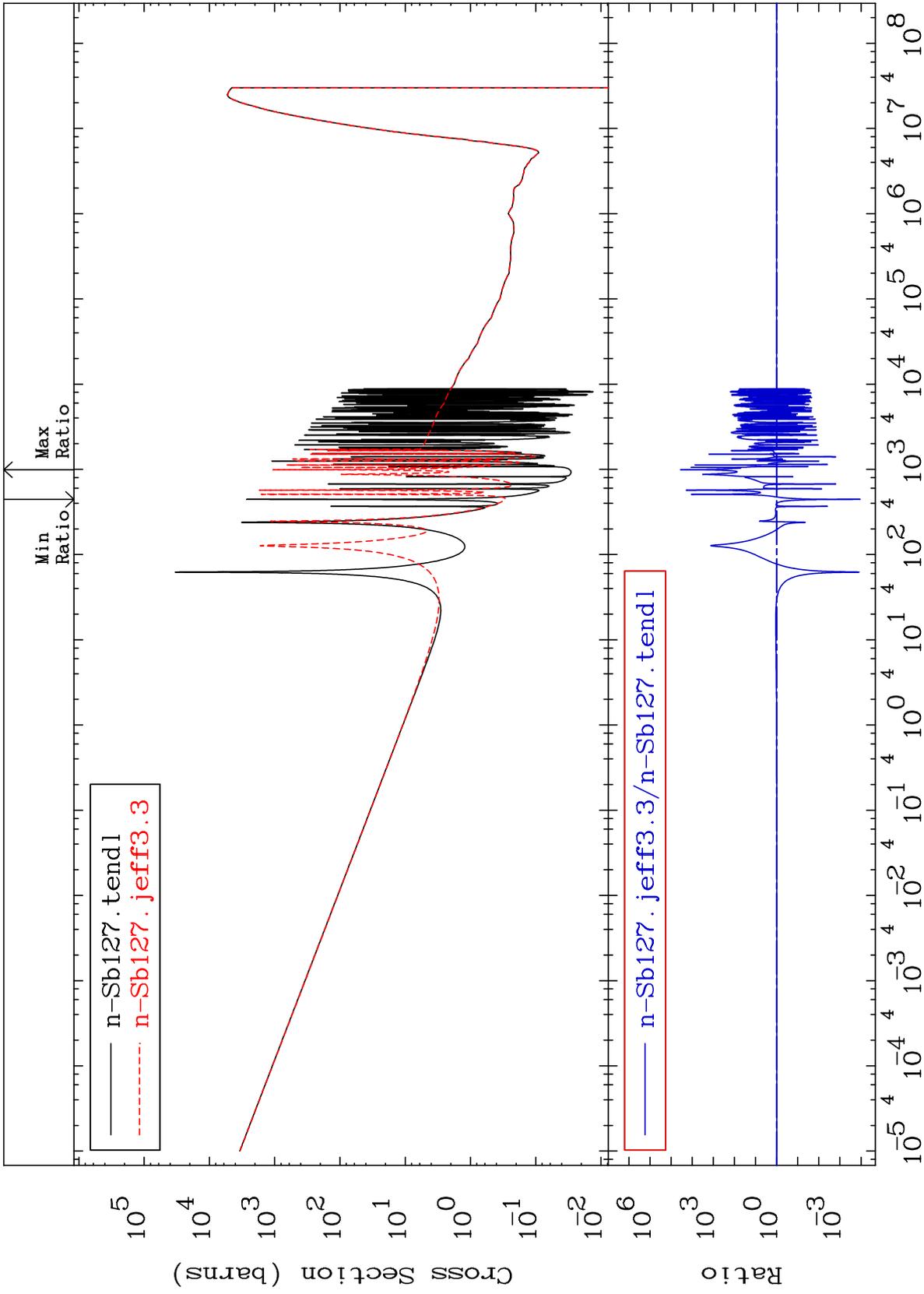


MAT 5143

Dpa elastic (mt2)
Cross Section

51-Sb-127
-98.17 To 9999. %





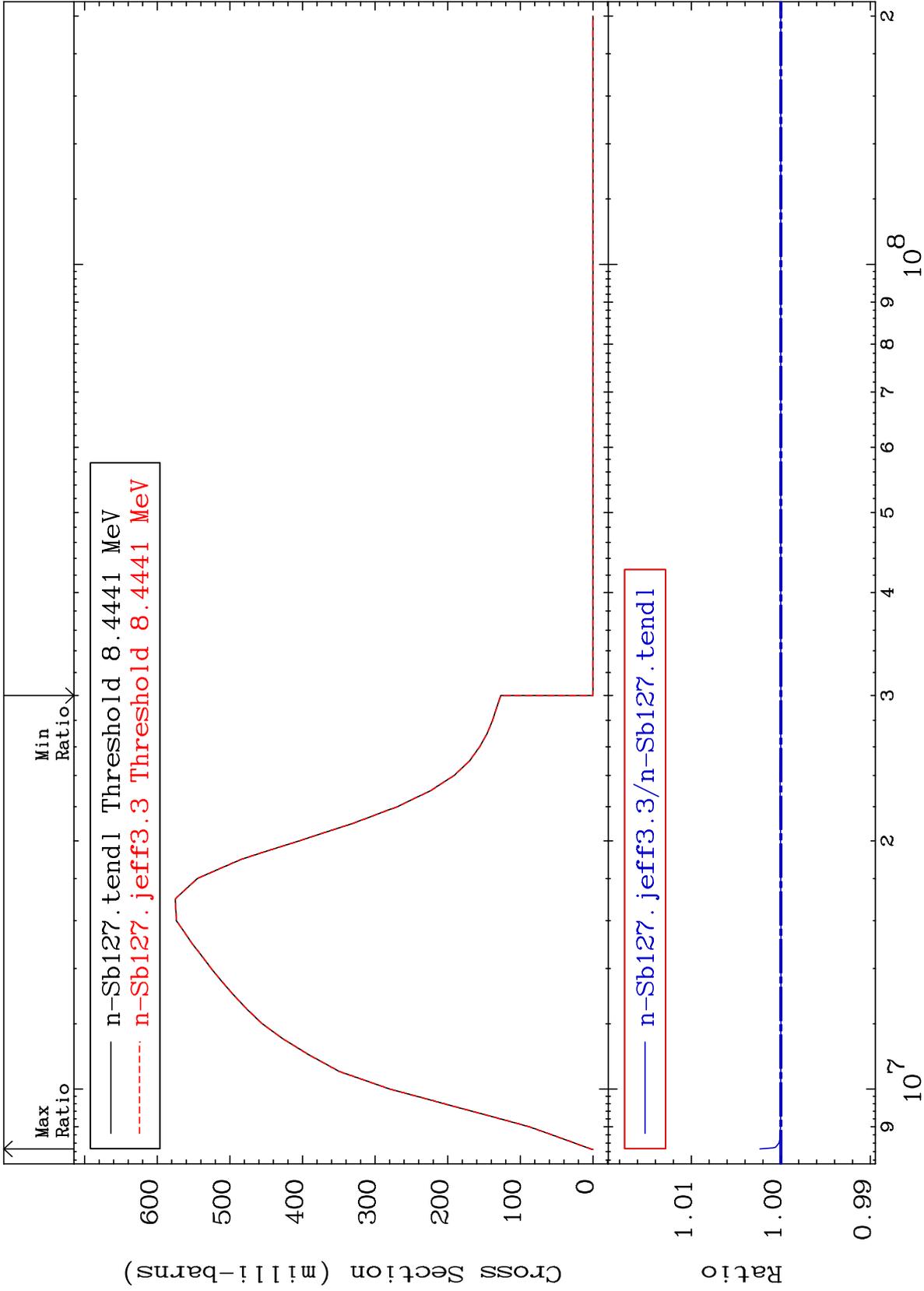
MAT 5143

(n,2n):51-Sb-126g

51-Sb-127

Radionuclide Production Cross Section

-0.002 To 0.235 %



37

Incident Energy (eV)

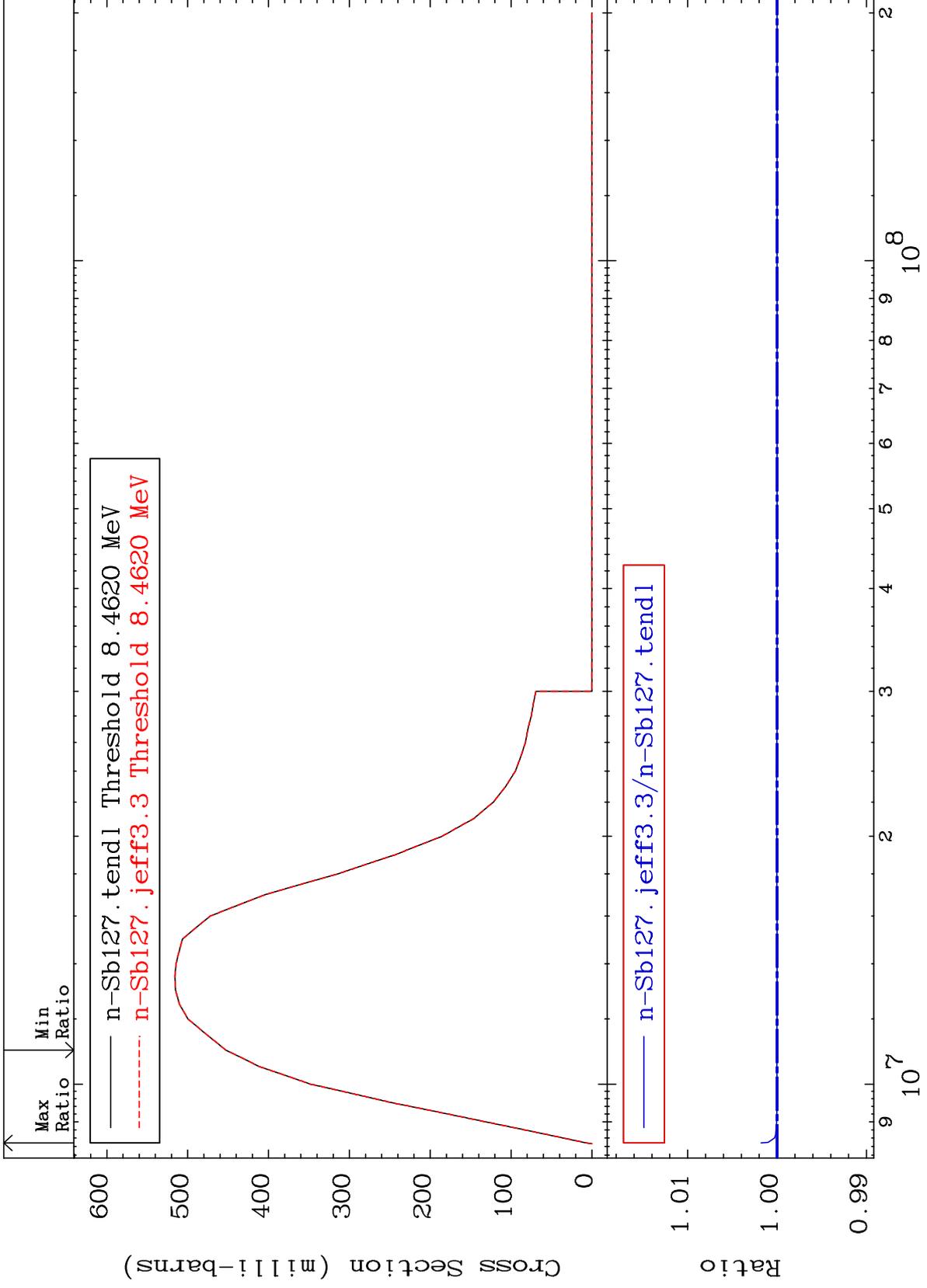
51-Sb-127

MAT 5143

(n,2n):51-Sb-126m1

51-Sb-127

Radionuclide Production Cross Section 0.000 To 0.180 %



38

Incident Energy (eV)

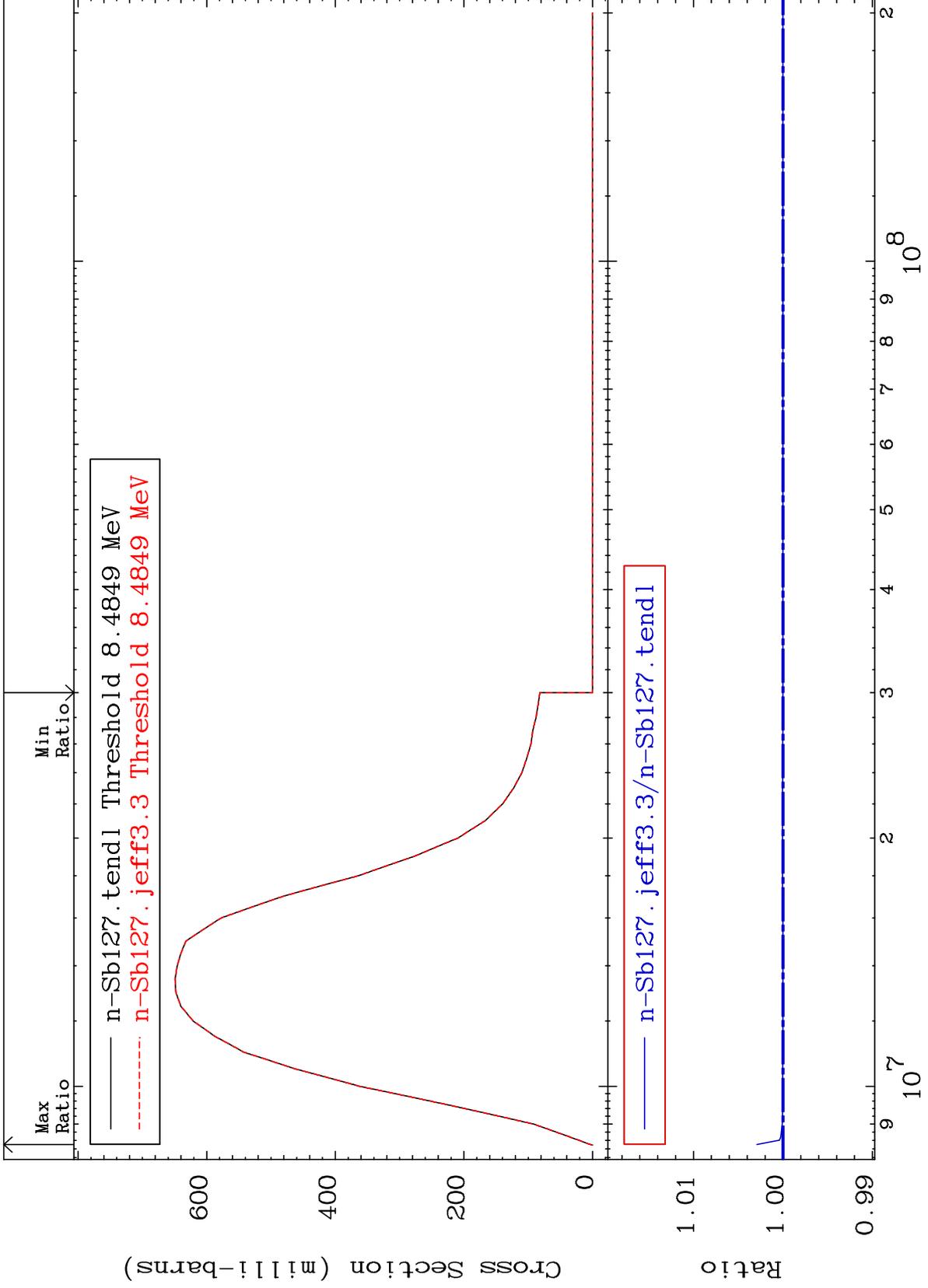
51-Sb-127

MAT 5143

(n,2n):51-Sb-126m2

51-Sb-127

Radionuclide Production Cross Section 0.000 To 0.293 %



39

Incident Energy (eV)

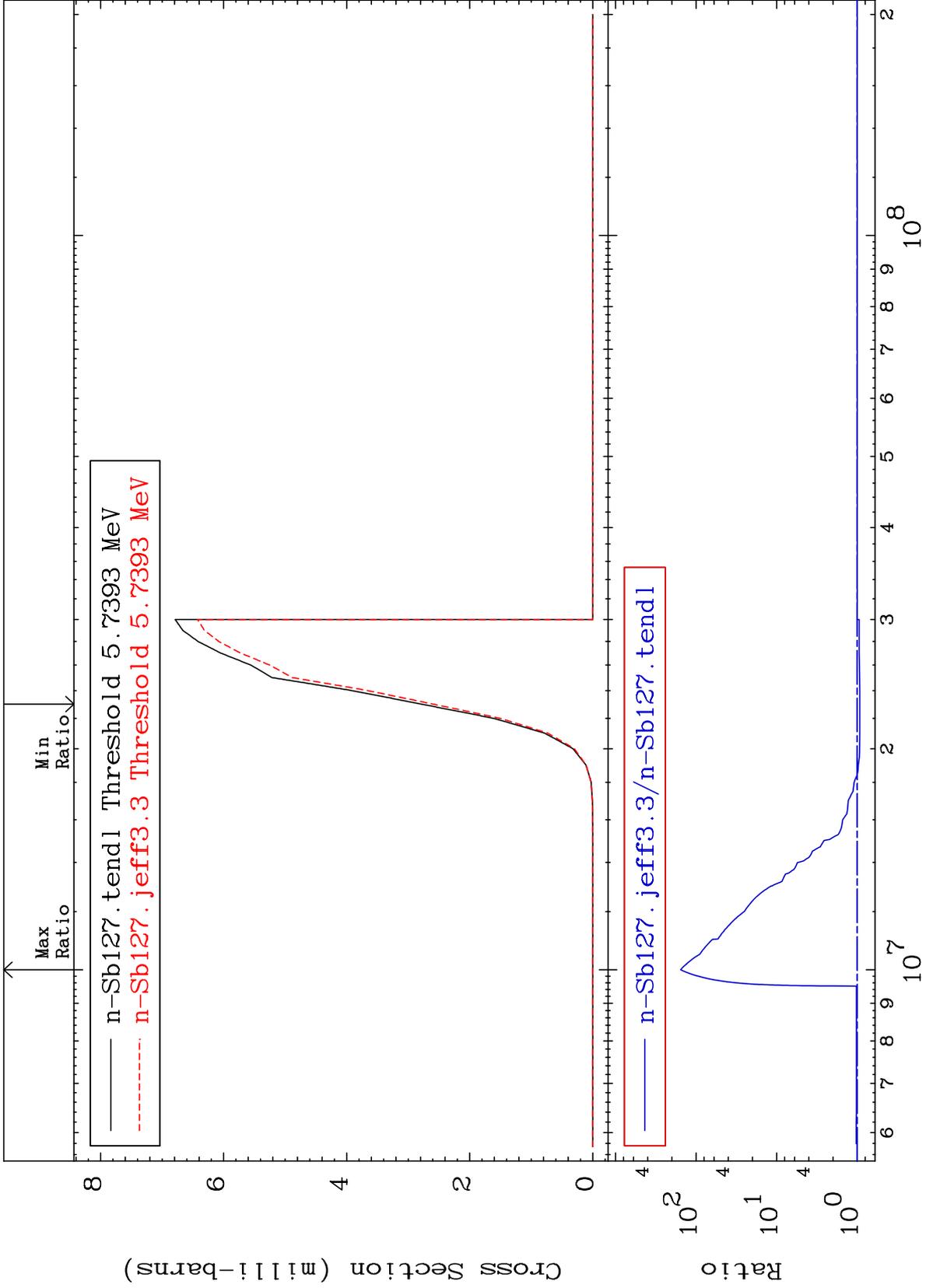
51-Sb-127

MAT 5143

(n, n') α : 49-In-123g

51-Sb-127

Radionuclide Production Cross Section -6.793 To 9999. %

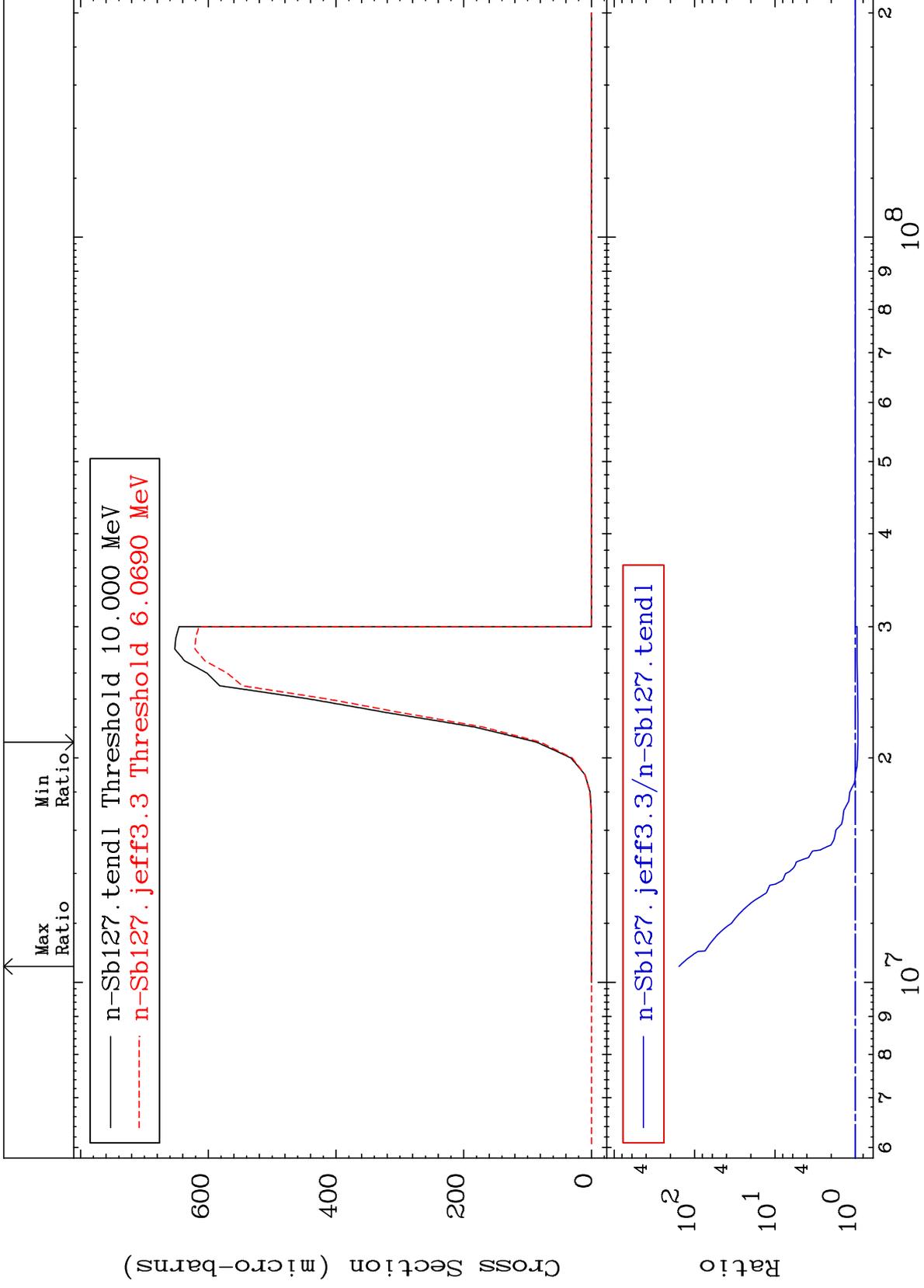


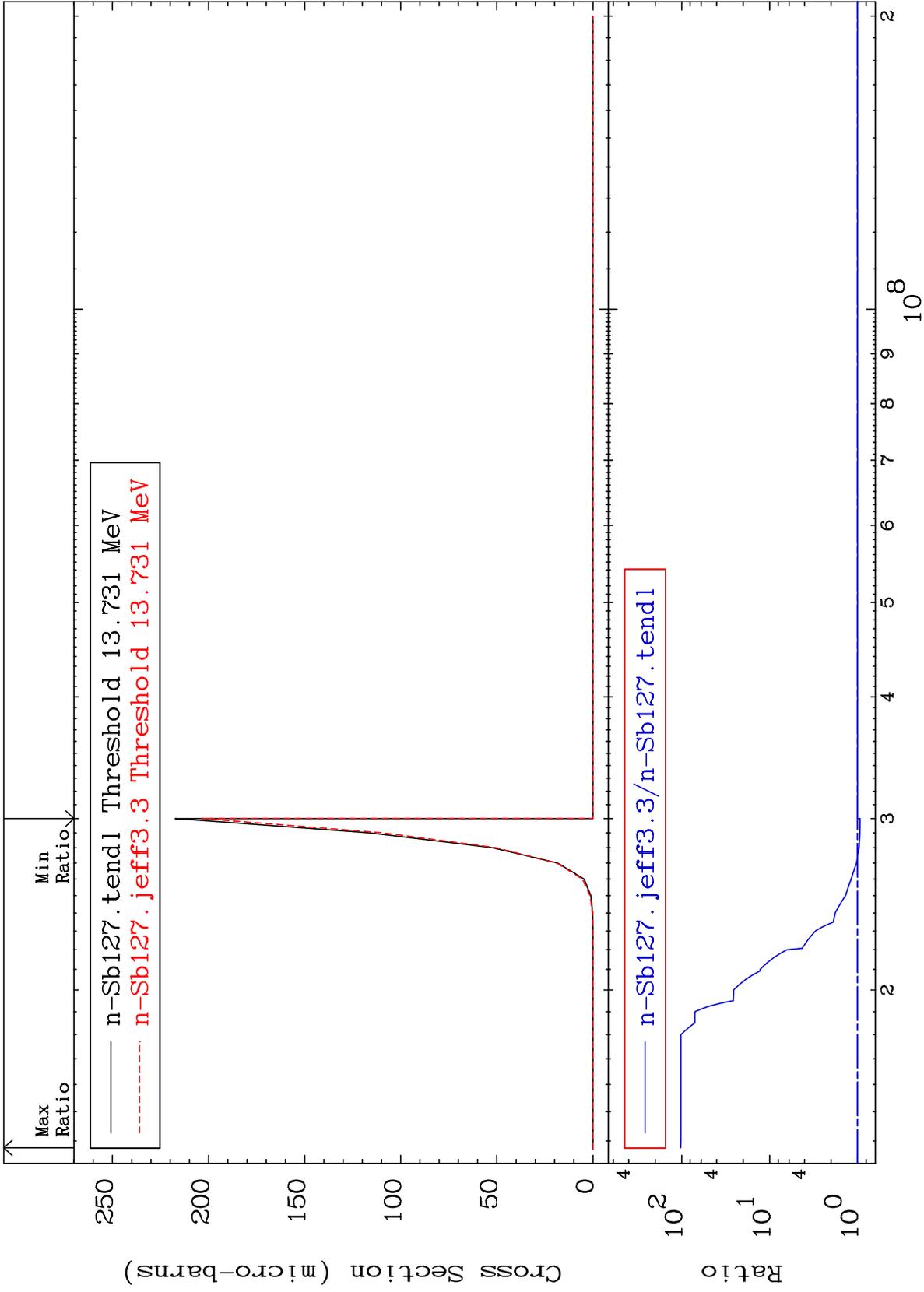
40

Incident Energy (eV)

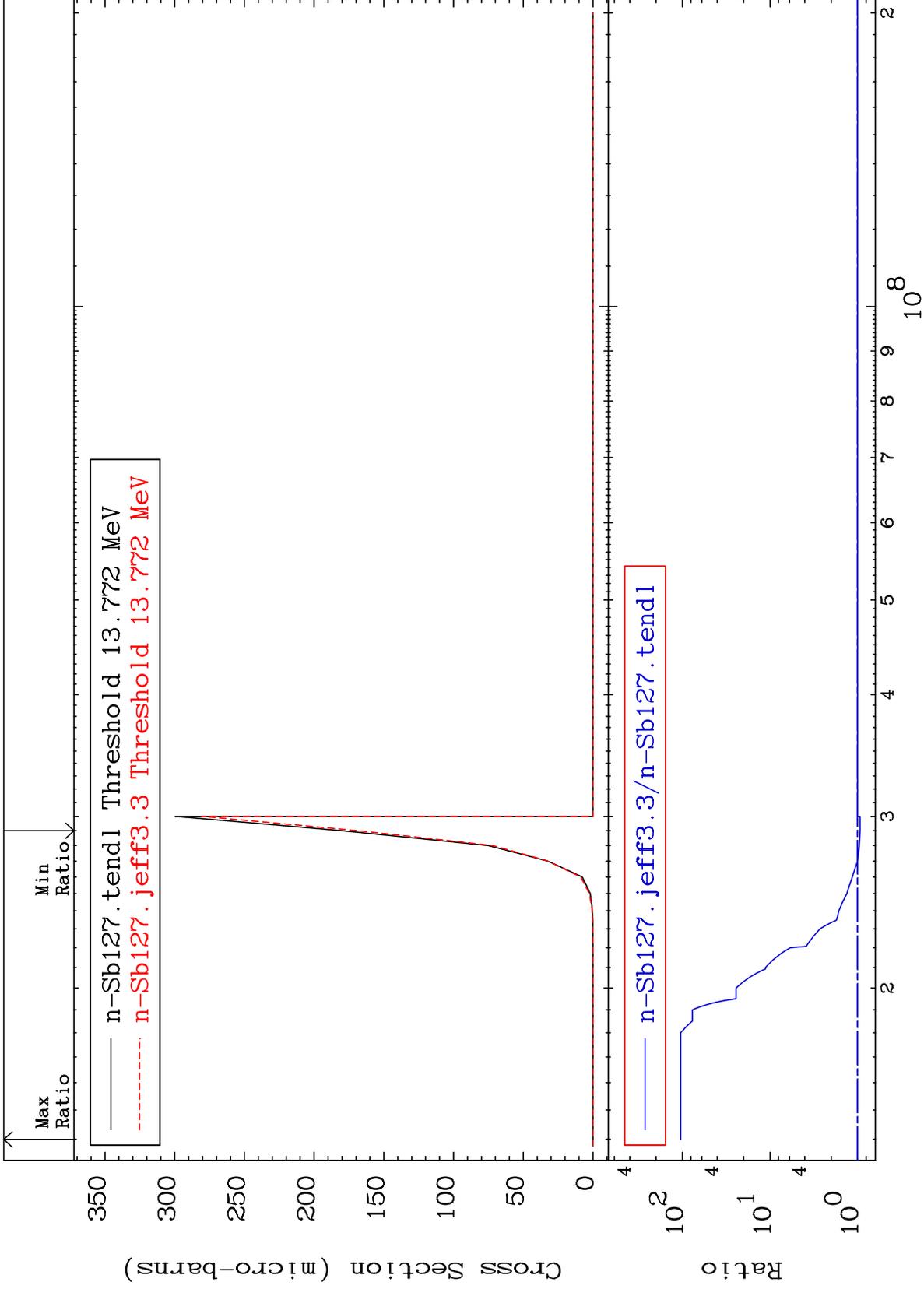
51-Sb-127

Radionuclide Production Cross Section -7.028 To 9999. %

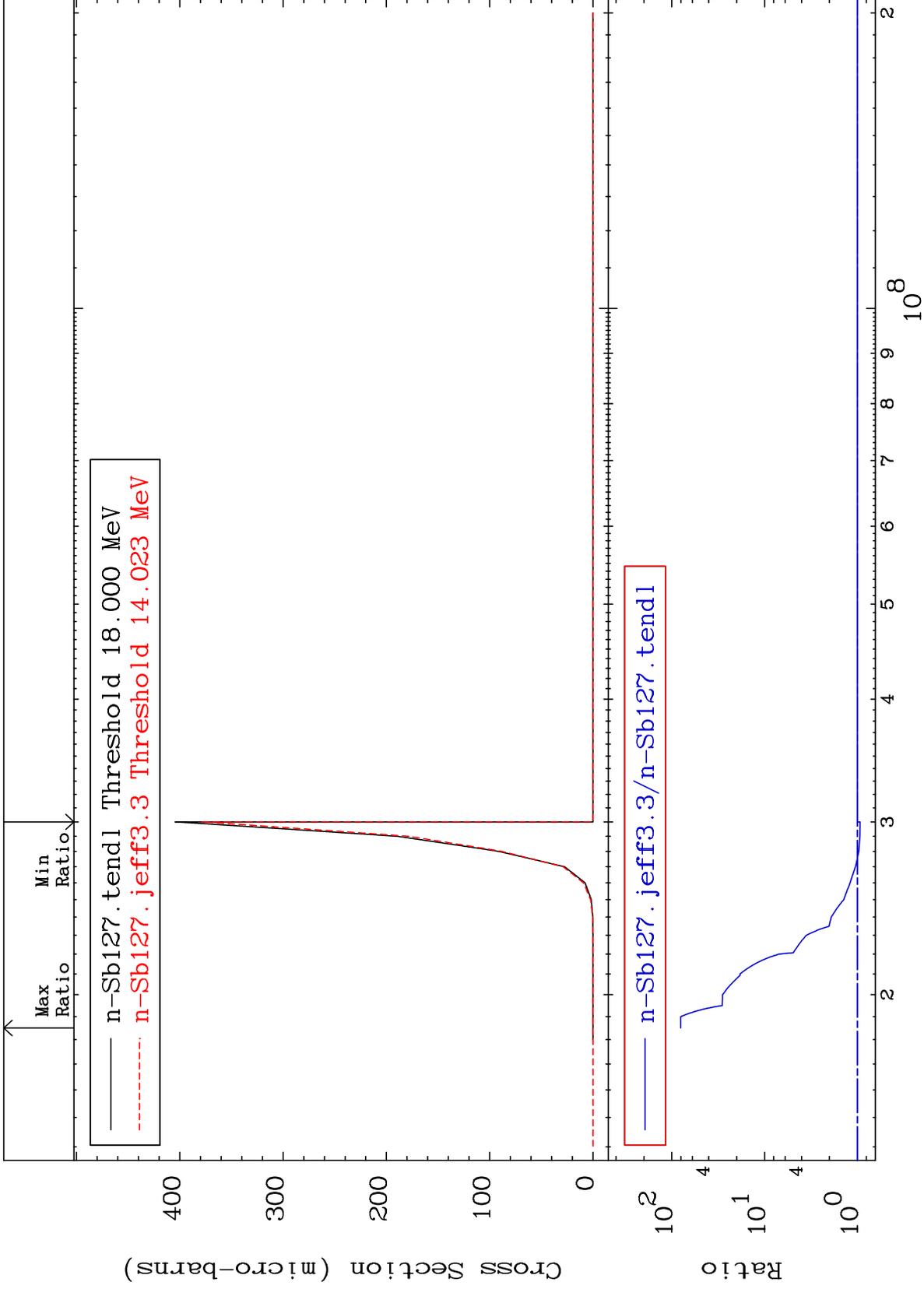




Radionuclide Production Cross Section -6.406 To 9999. %

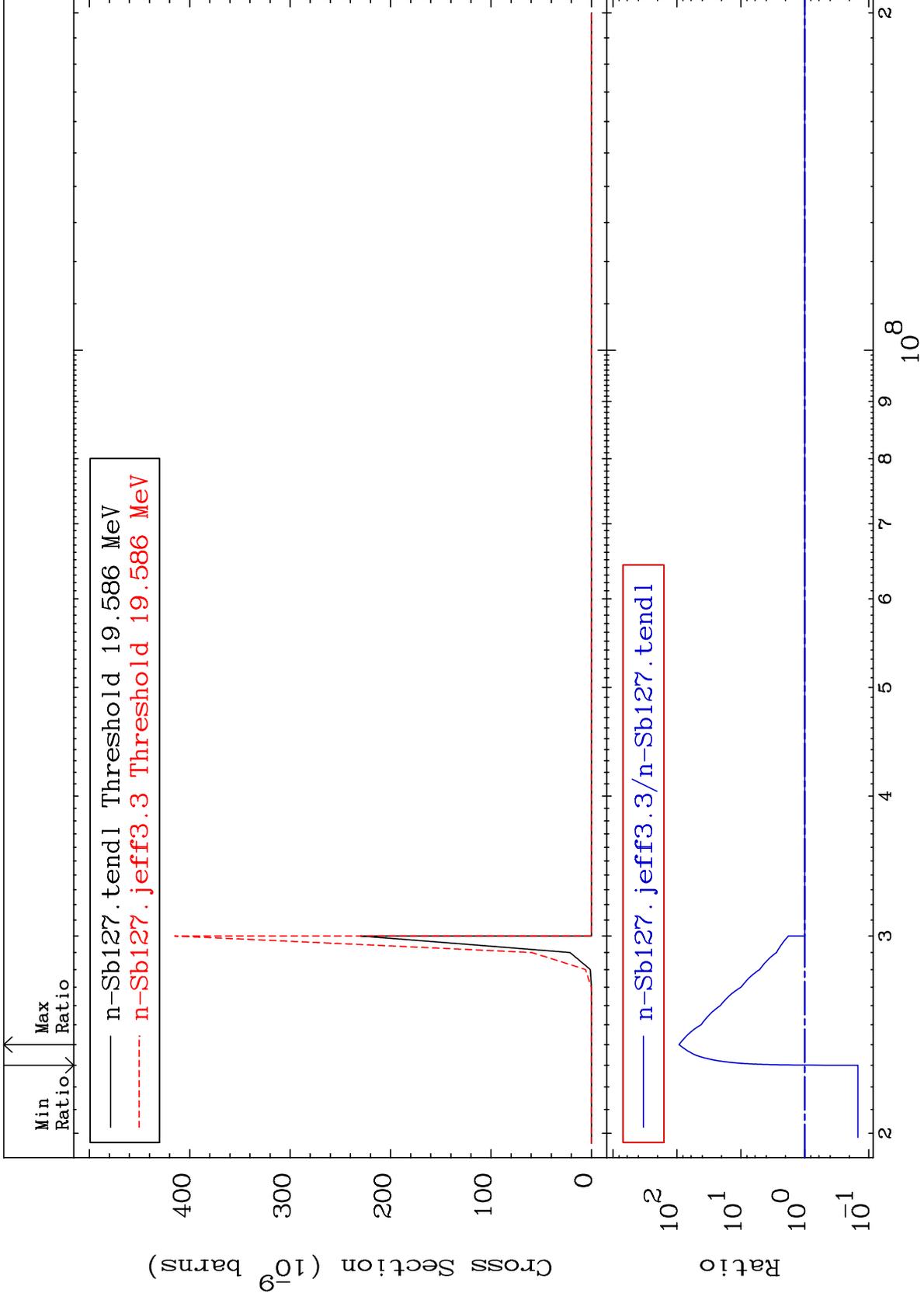


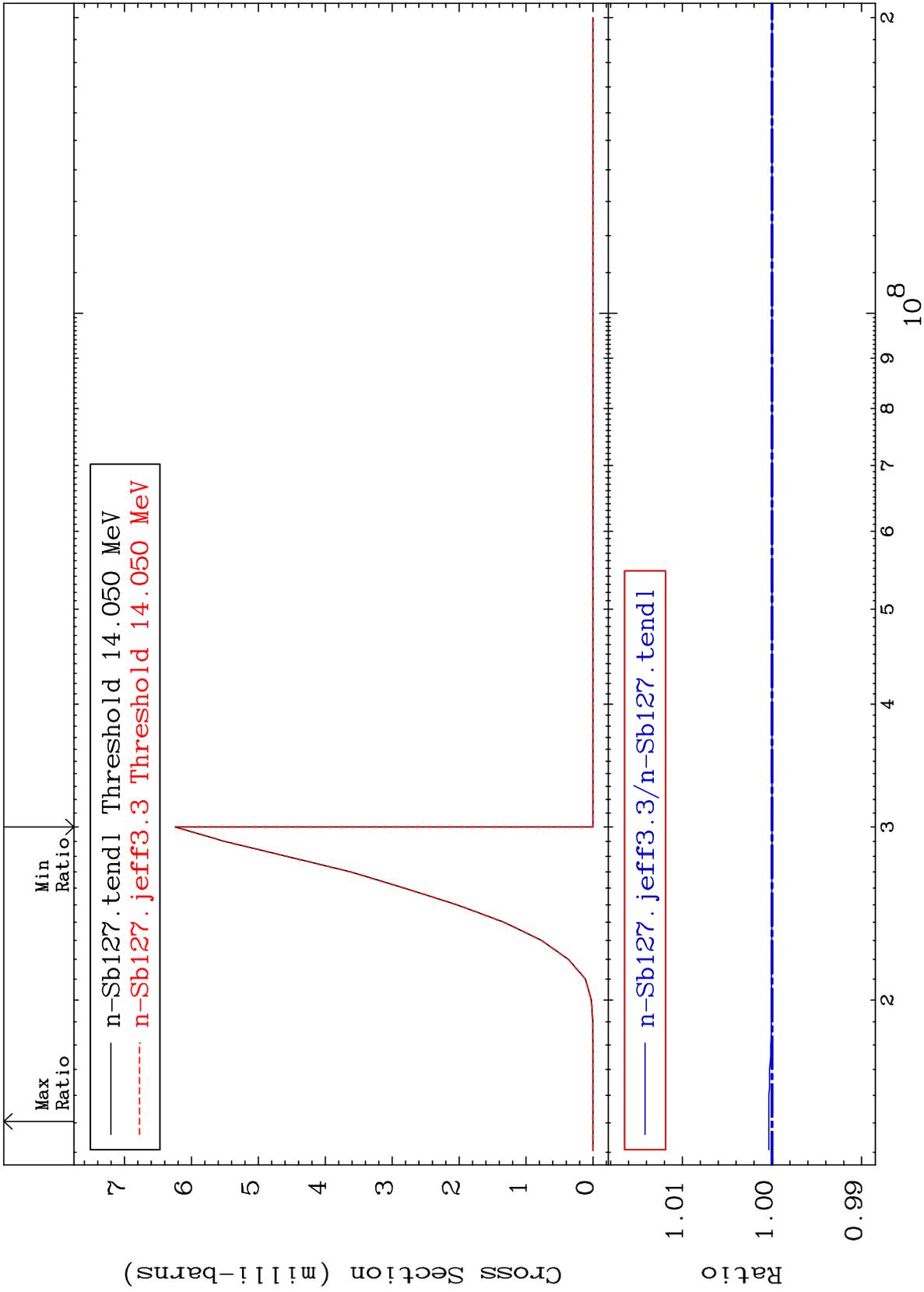
Radionuclide Production Cross Section -6.434 To 7912. %



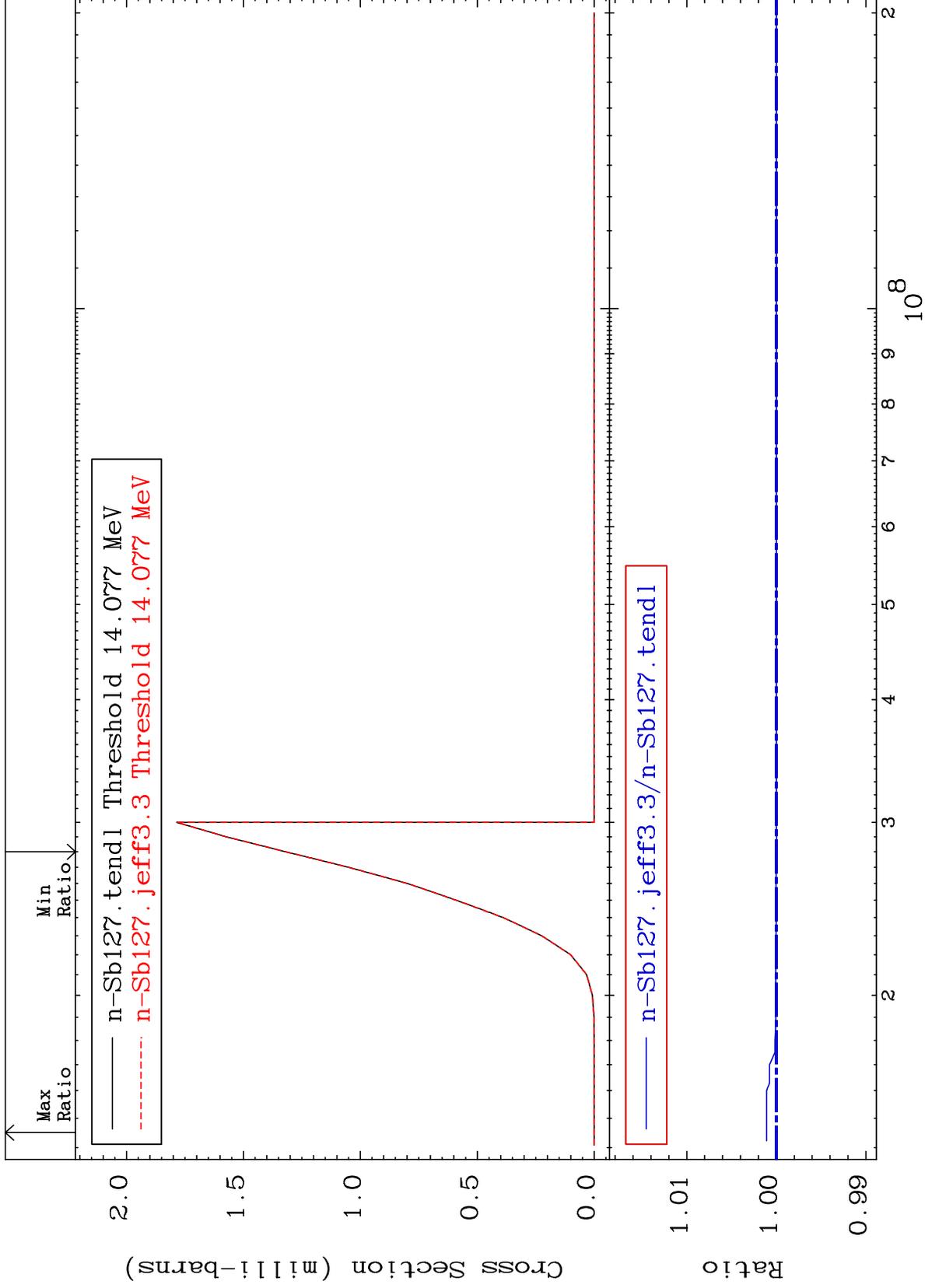
MAT 5143

(n,3n) α : 49-In-121g 51-Sb-127
Radionuclide Production Cross Section -85.26 To 9138. %





Radionuclide Production Cross Section -0.002 To 0.110 %

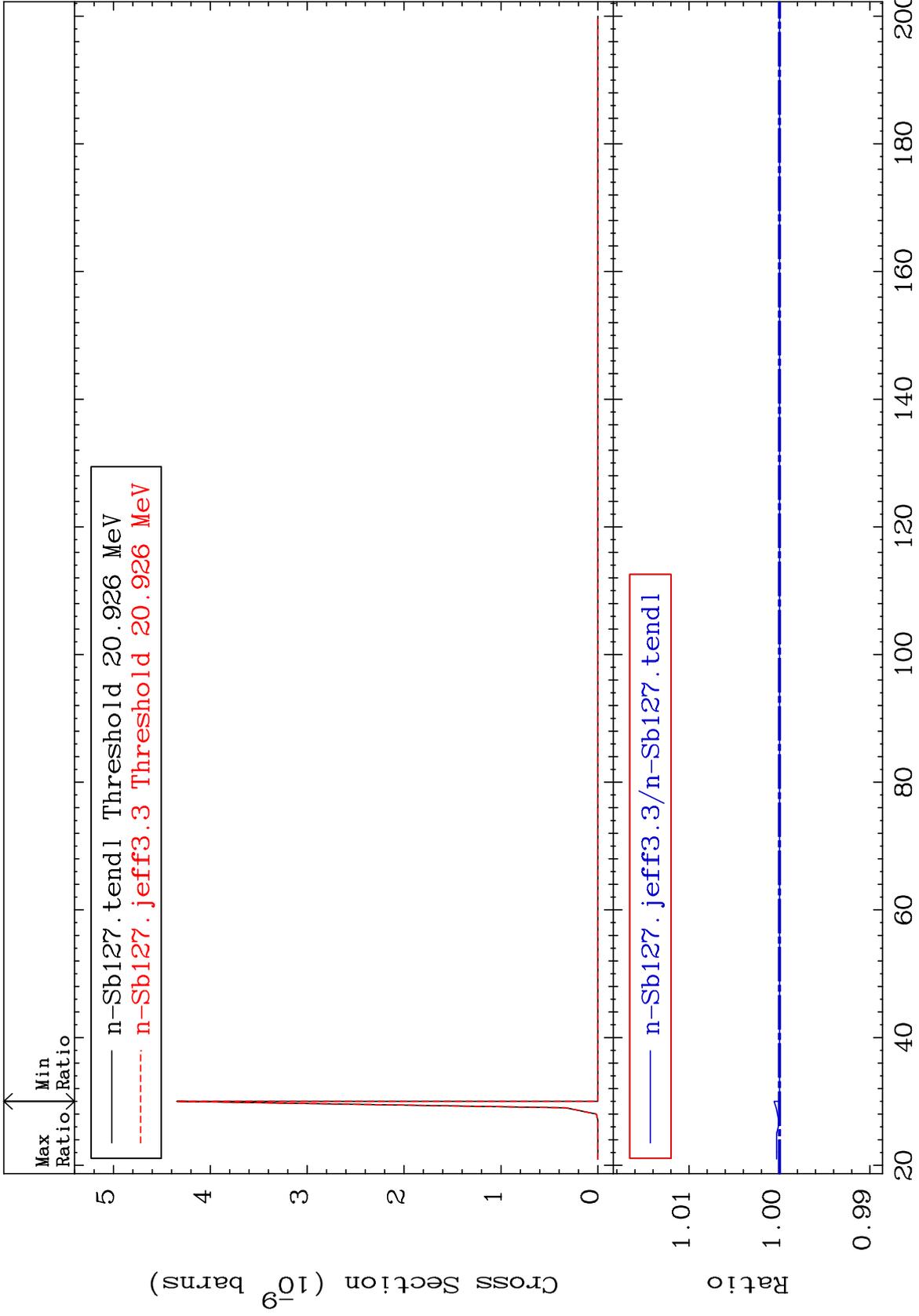


MAT 5143

(n, n') He-3:49-In-124g

51-Sb-127

Radionuclide Production Cross Section 0.000 To 0.061 %



49

Incident Energy (MeV)

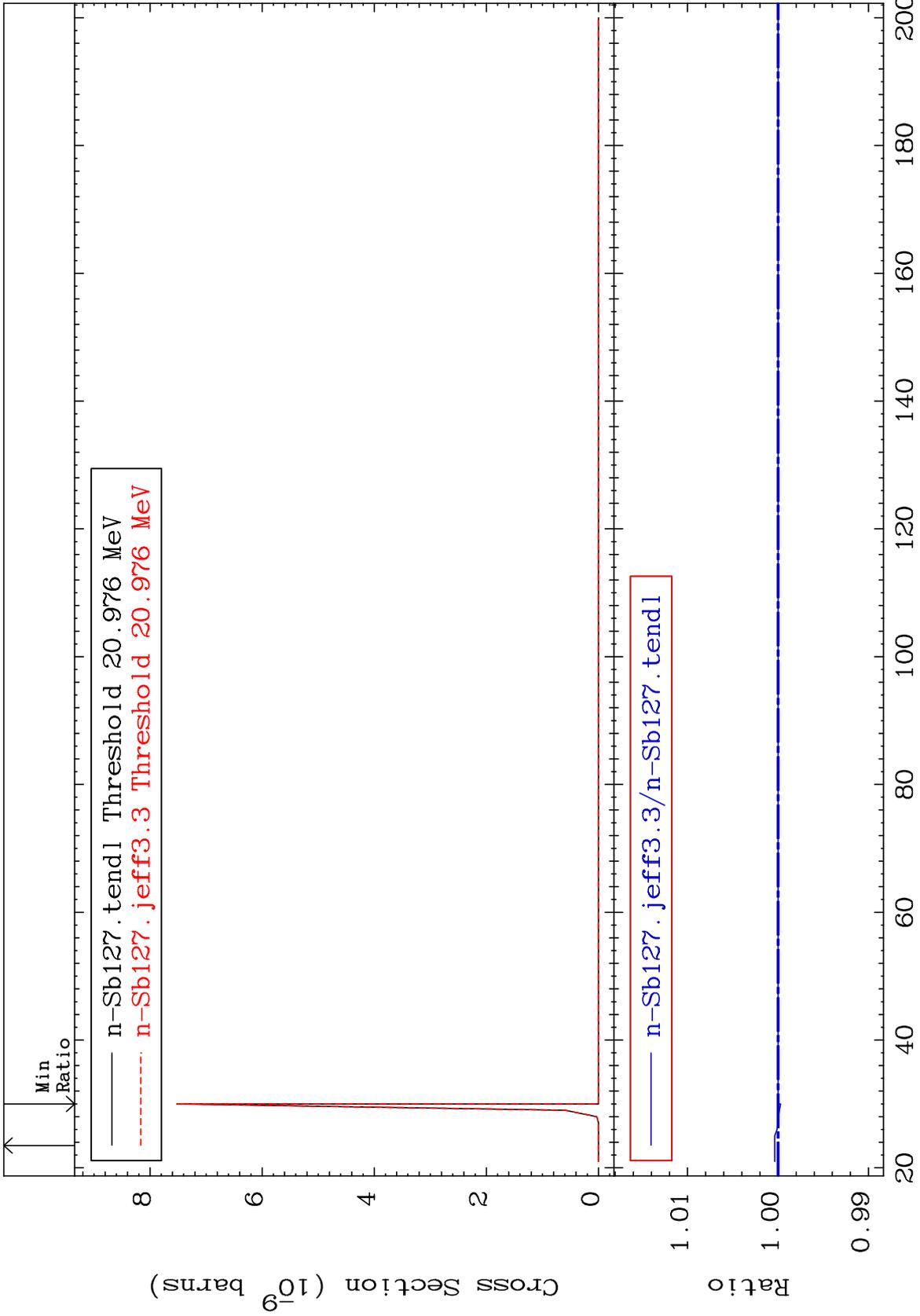
51-Sb-127

MAT 5143

(n, n') He-3:49-In-124m2

51-Sb-127

Radionuclide Production Cross Section -0.028 To 0.038 %



50

Incident Energy (MeV)

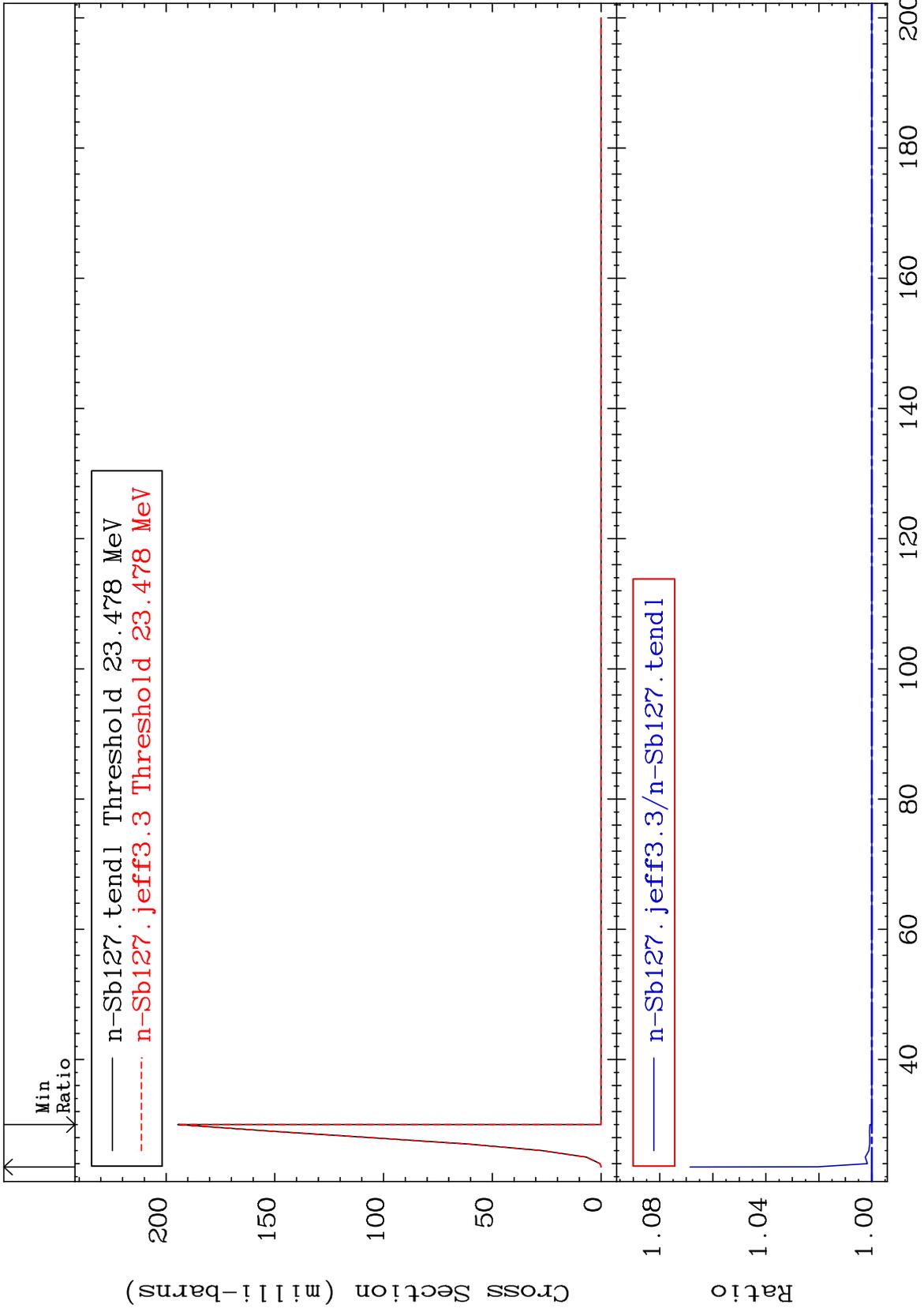
51-Sb-127

MAT 5143

(n, 4n):51-Sb-124g

51-Sb-127

Radionuclide Production Cross Section 0.000 To 6.857 %



51

Incident Energy (MeV)

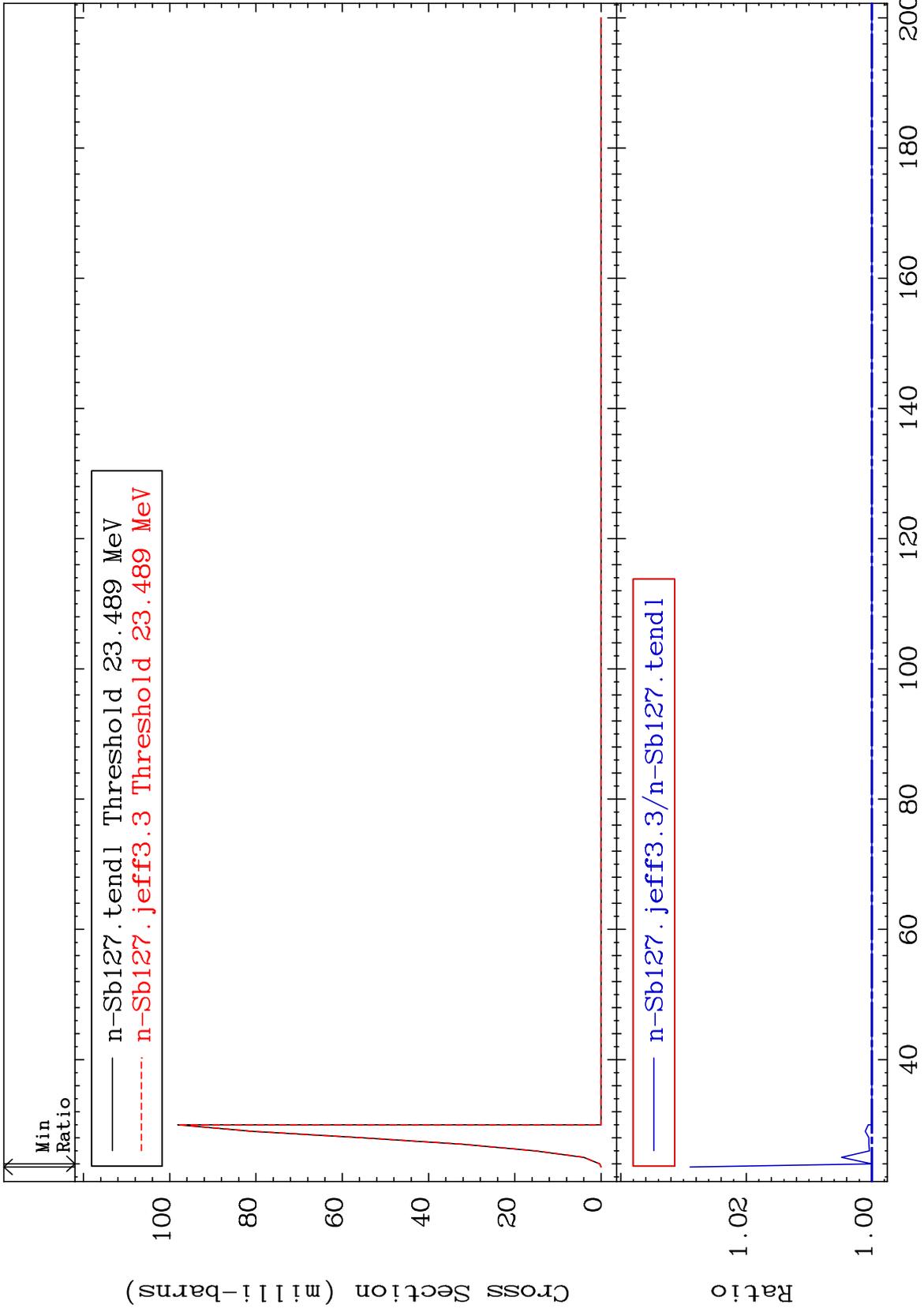
51-Sb-127

MAT 5143

(n, 4n): 51-Sb-124m1

51-Sb-127

Radionuclide Production Cross Section 0.000 To 2.895 %

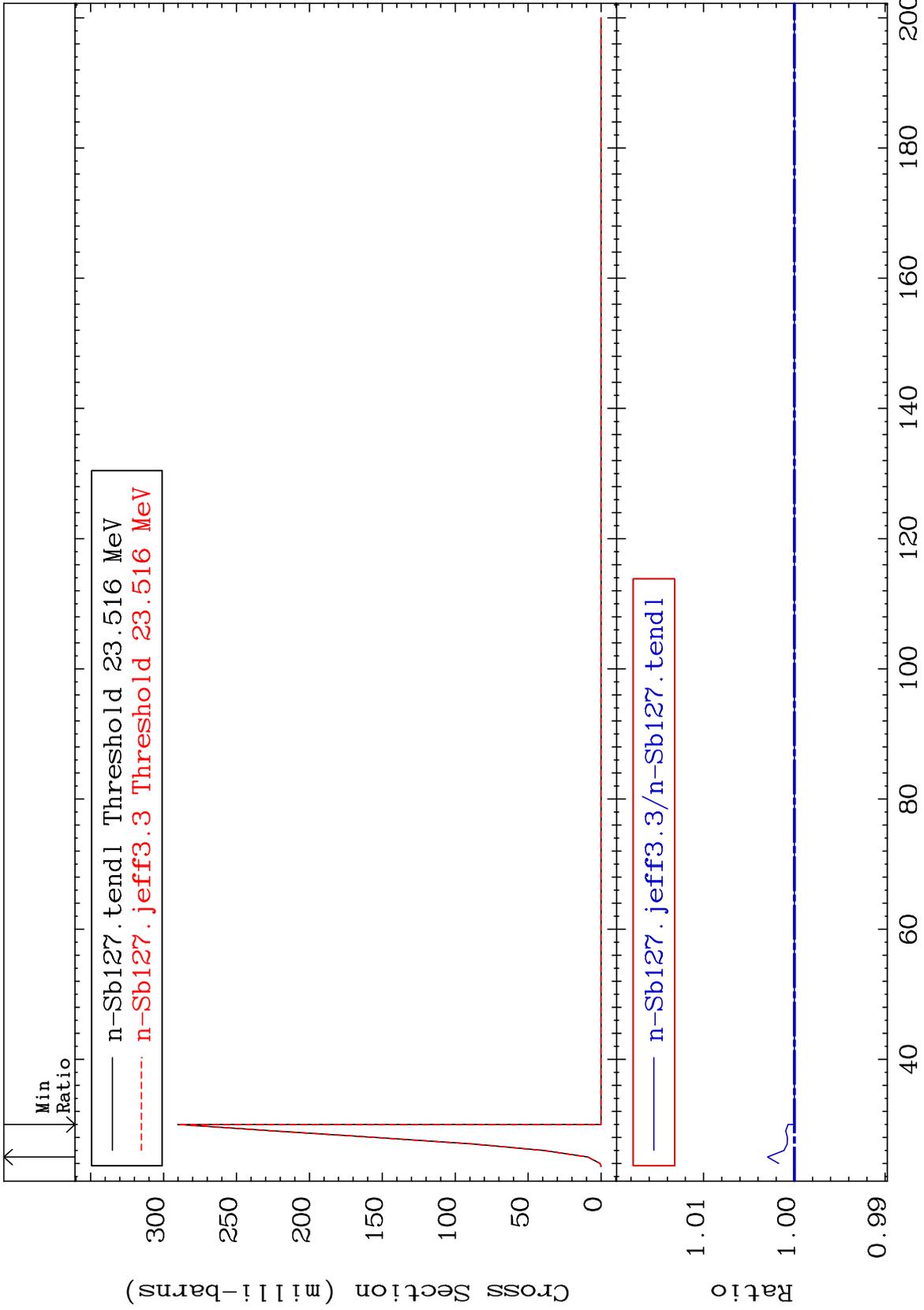


MAT 5143

(n, 4n):51-Sb-124m2

51-Sb-127

Radionuclide Production Cross Section 0.000 To 0.296 %

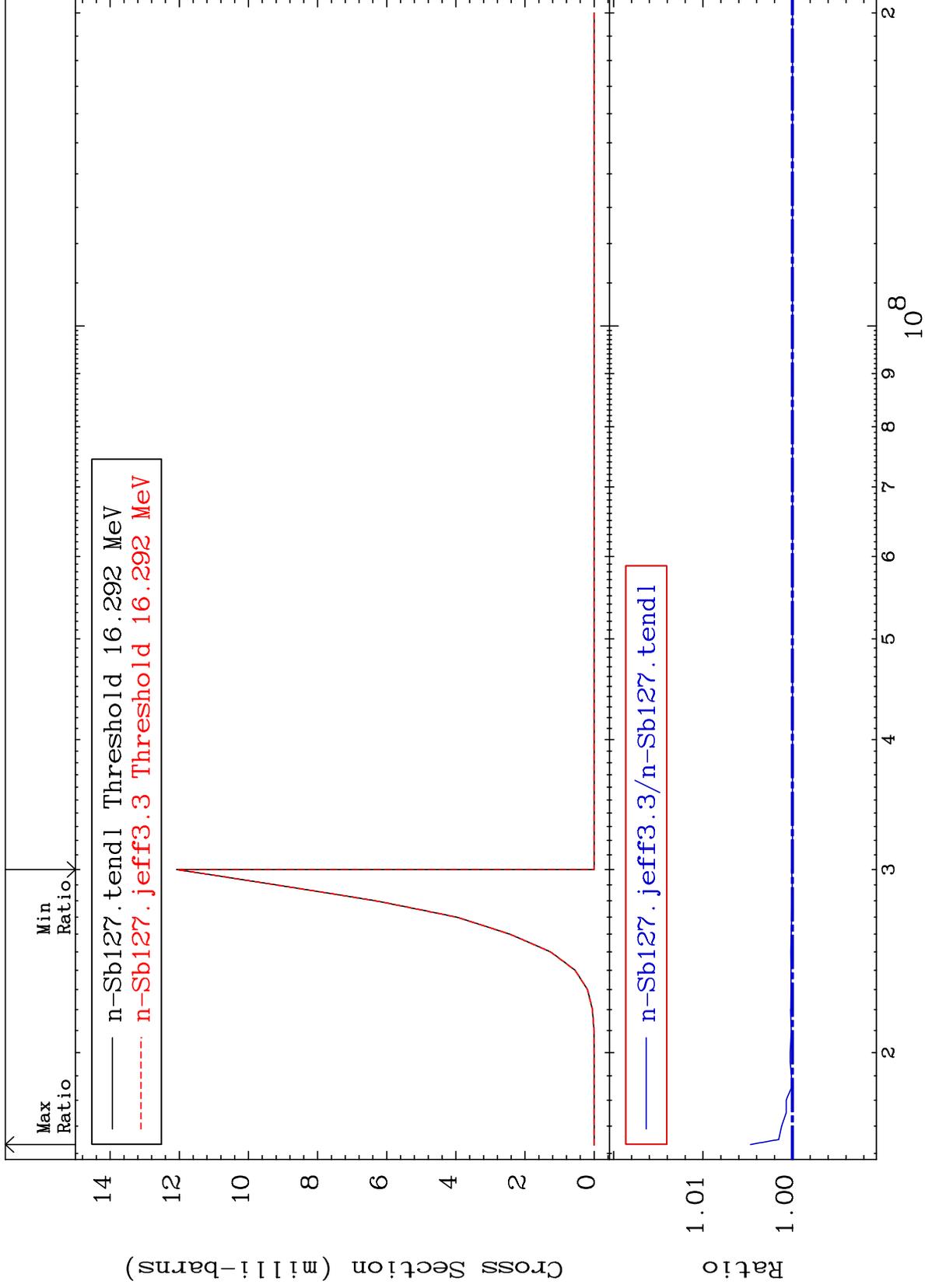


MAT 5143

(n,2n) p:50-Sn-125g

51-Sb-127

Radionuclide Production Cross Section 0.000 To 0.468 %



54

Incident Energy (eV)

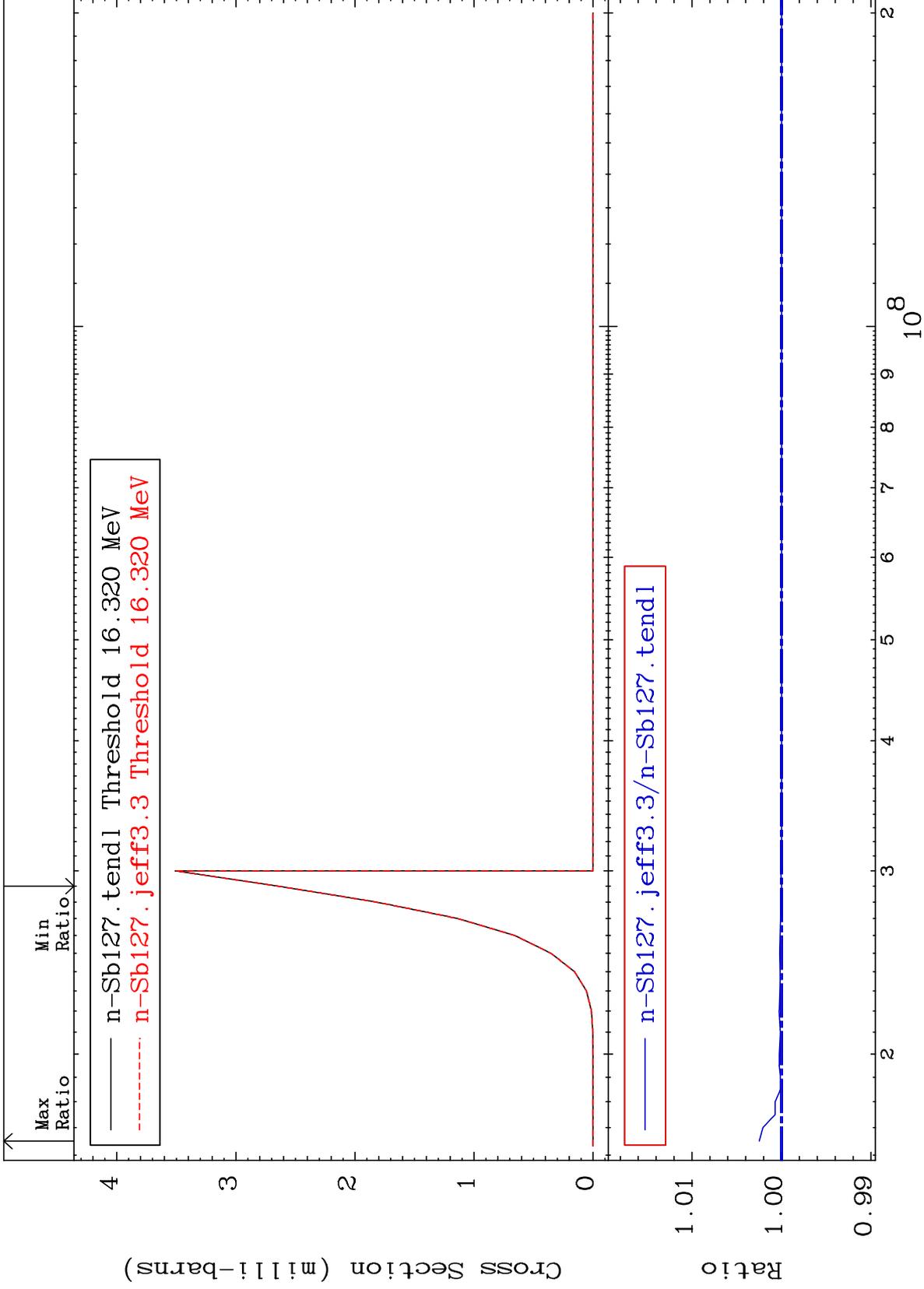
51-Sb-127

MAT 5143

(n,2n) p:50-Sn-125m1

51-Sb-127

Radionuclide Production Cross Section -0.002 To 0.249 %

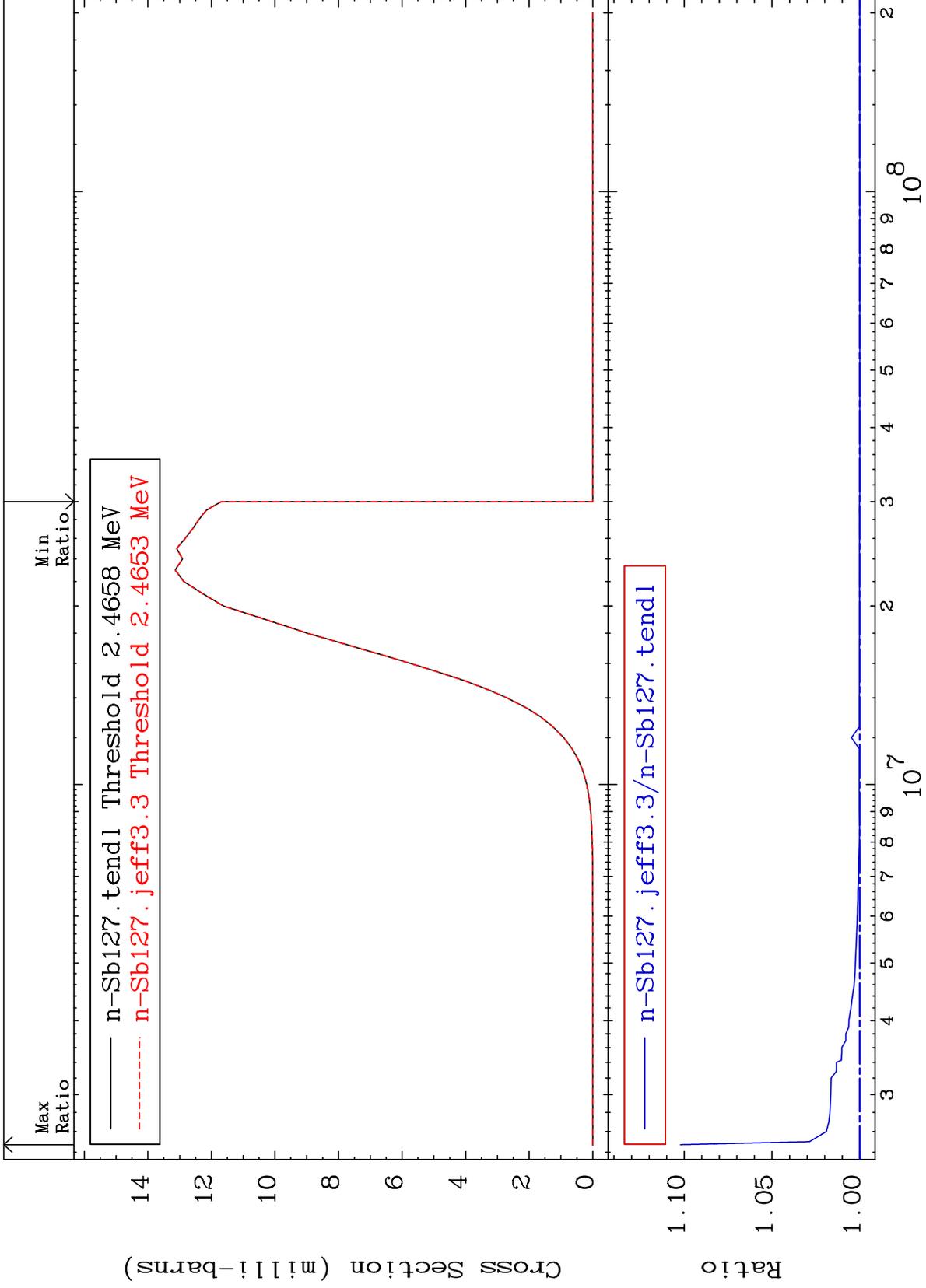


MAT 5143

(n, p) : 50-Sn-127g

51-Sb-127
To 10.21 %

Radionuclide Production Cross Section 0.000

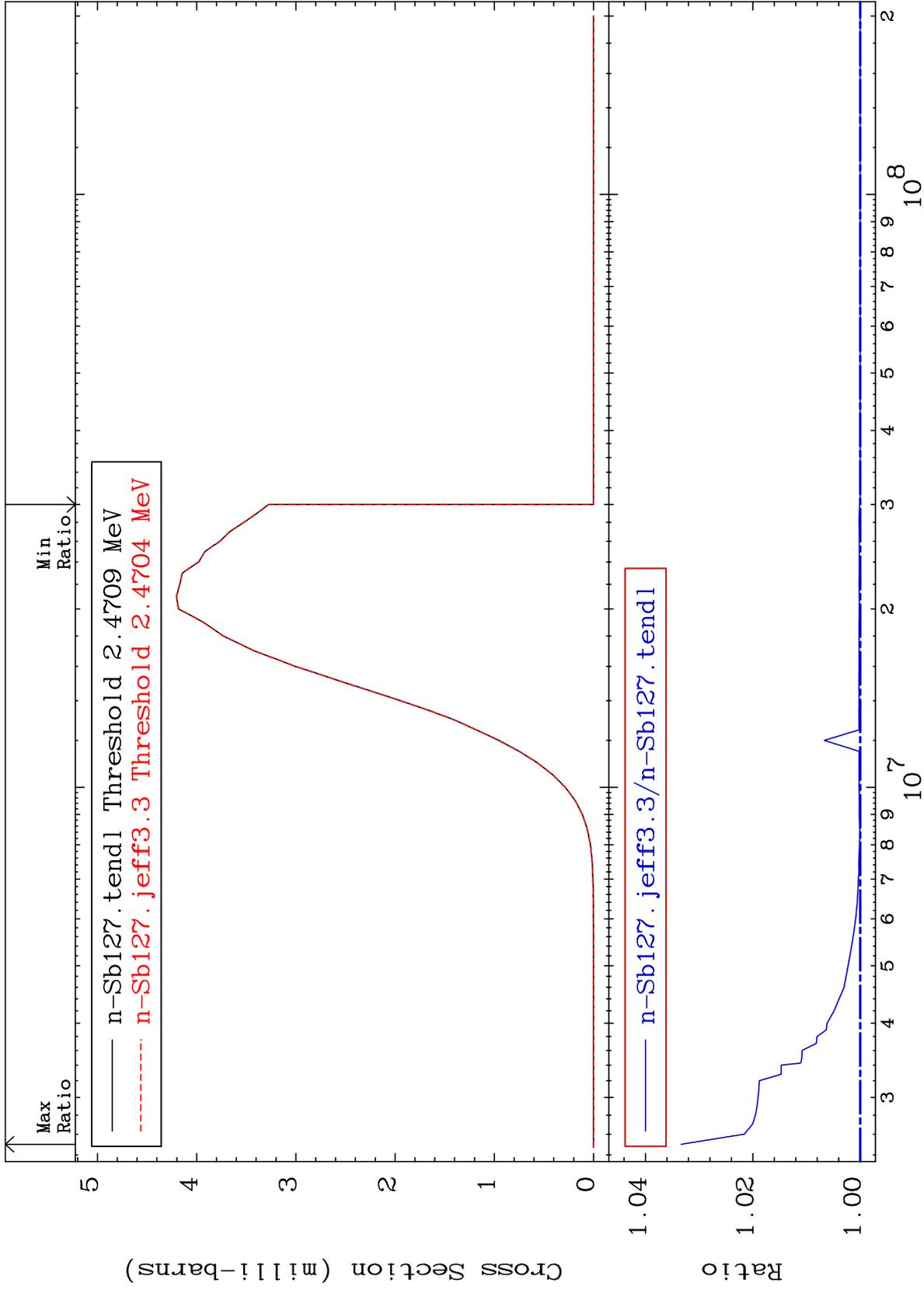


MAT 5143

(n, p) : 50-Sn-127m1

51-Sb-127

Radionuclide Production Cross Section 0.000 To 3.336 %

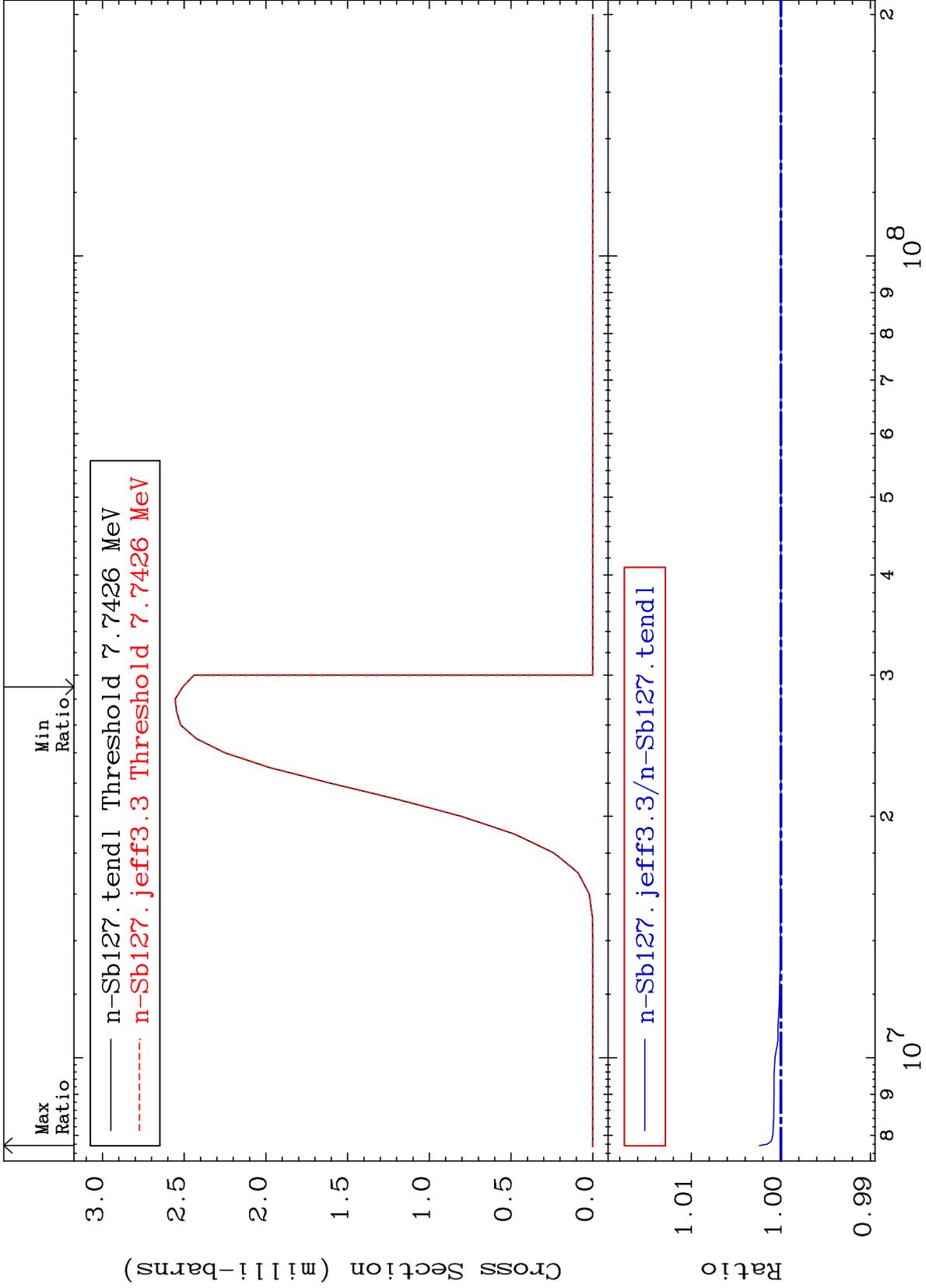


MAT 5143

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

51-Sb-127

Radionuclide Production Cross Section 0.000 To 0.240 %

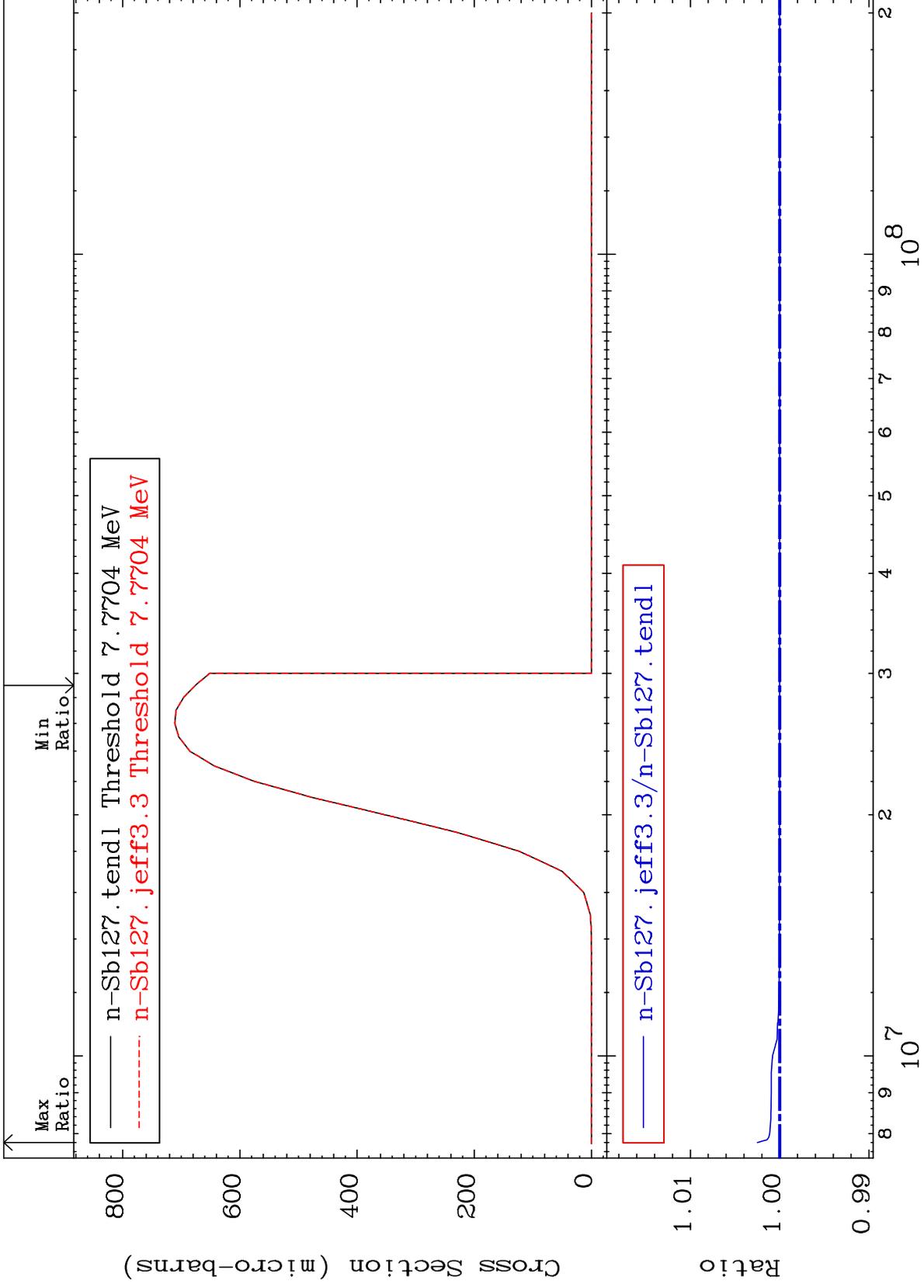


MAT 5143

(n, t):50-Sn-125m1

51-Sb-127

Radionuclide Production Cross Section 0.000 To 0.251 %



59

Incident Energy (eV)

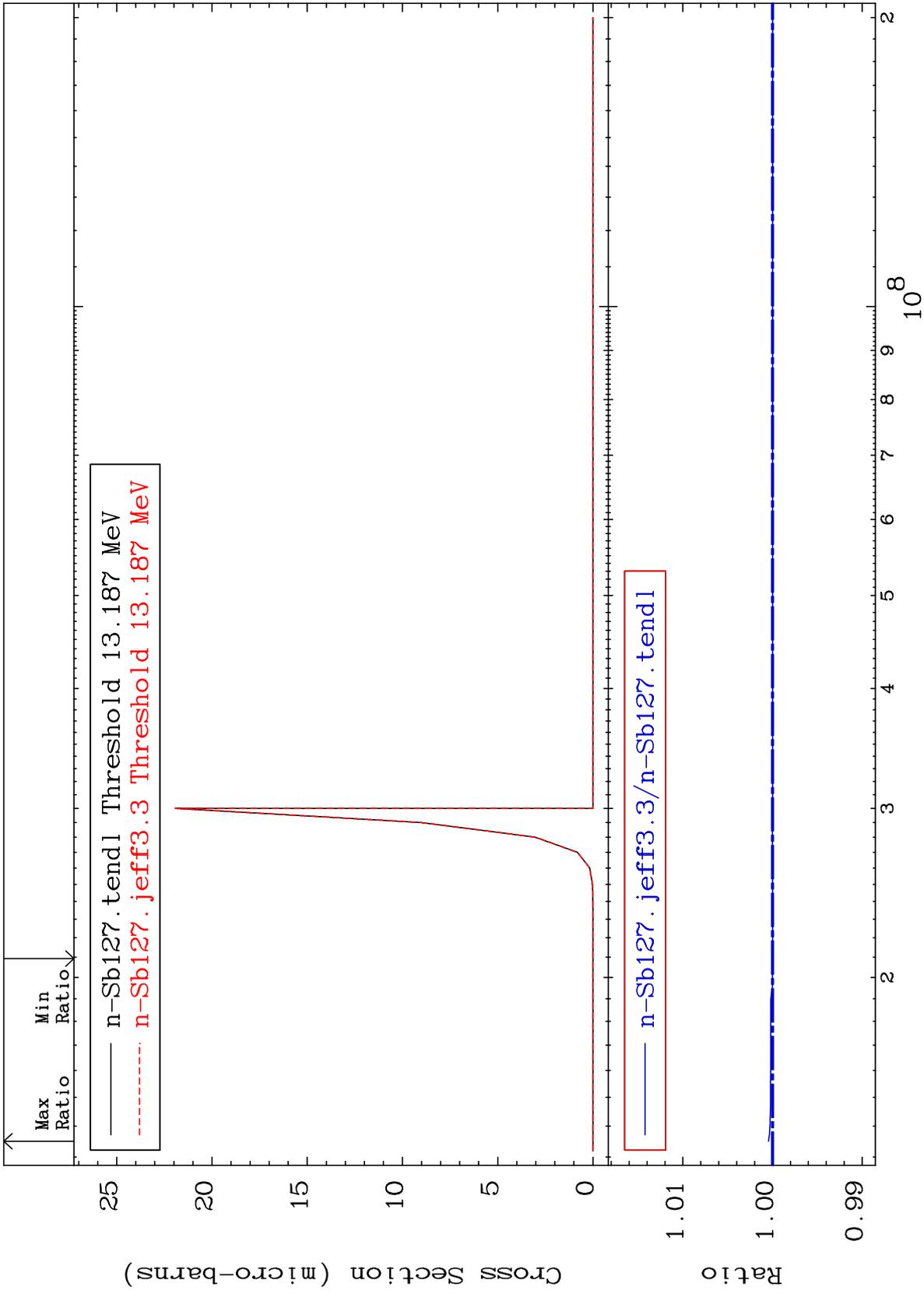
51-Sb-127

MAT 5143

(n,He-3):49-In-125g

51-Sb-127

Radionuclide Production Cross Section 0.000 To 0.047 %



60

Incident Energy (eV)

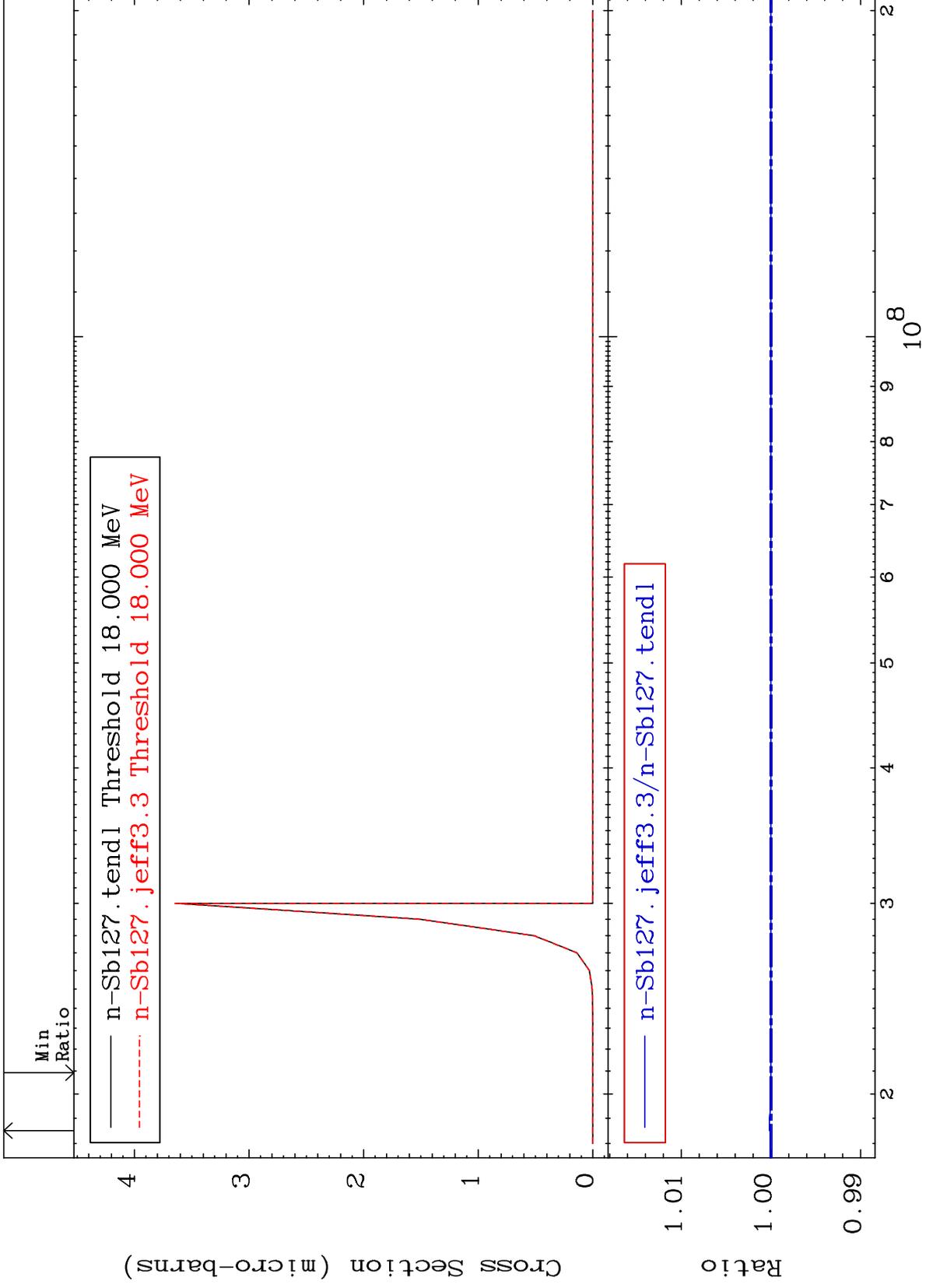
51-Sb-127

MAT 5143

(n,He-3) : 49-In-125m1

51-Sb-127

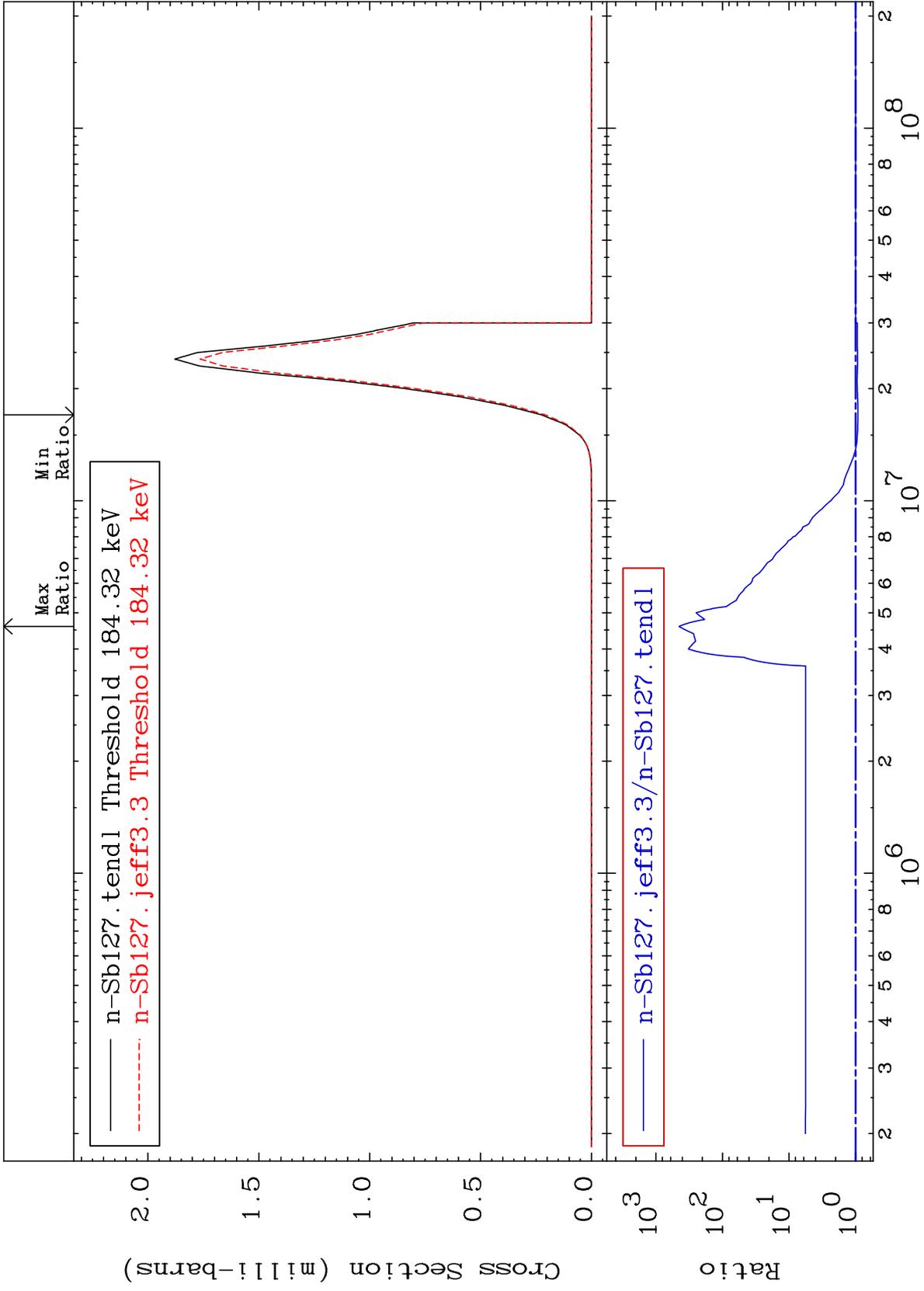
Radionuclide Production Cross Section 0.000 To 0.018 %



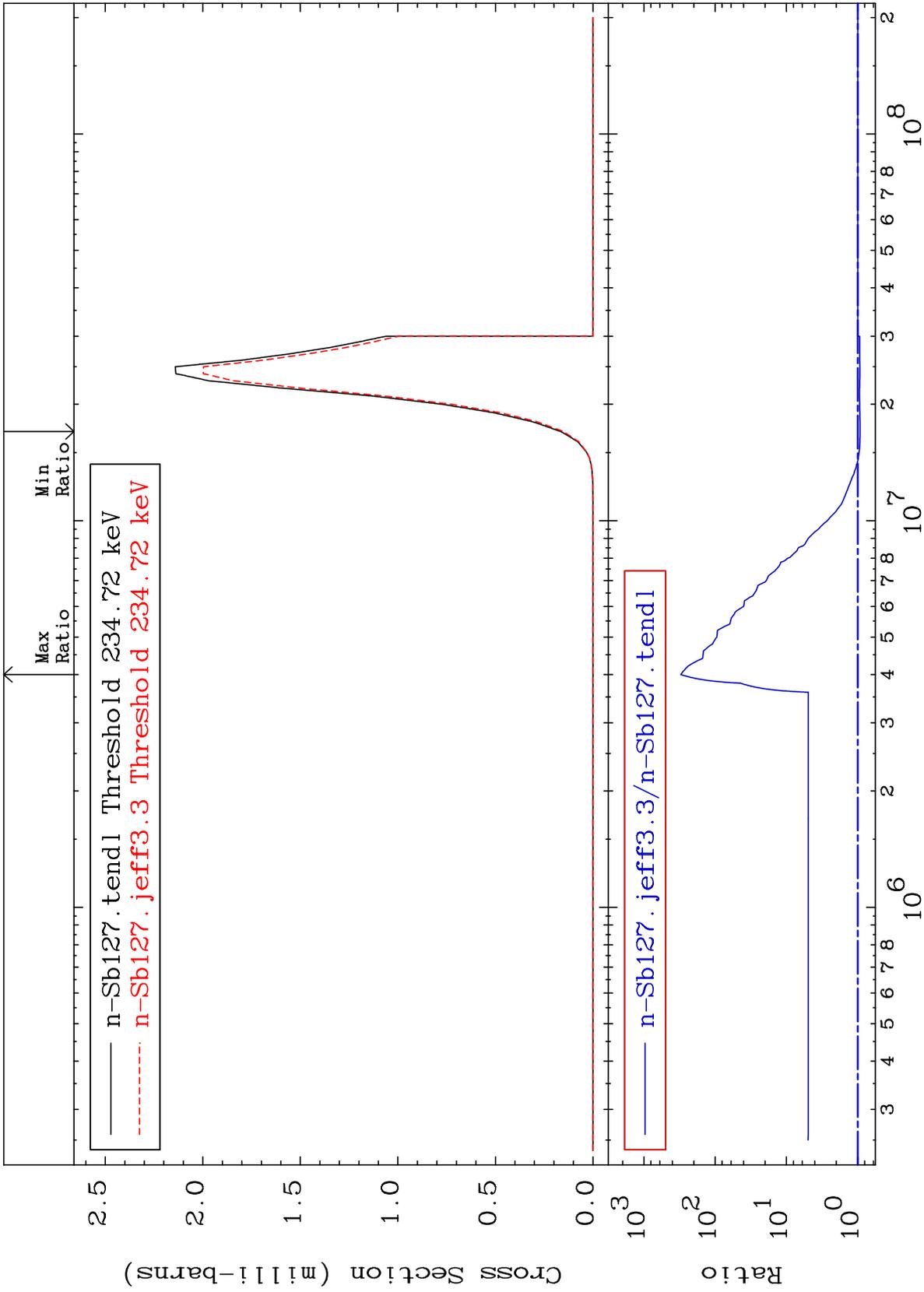
61

Incident Energy (eV)

51-Sb-127



Radionuclide Production Cross Section -7.423 To 9999. %



Radionuclide Production Cross Section 0.000 To 0.020 %

