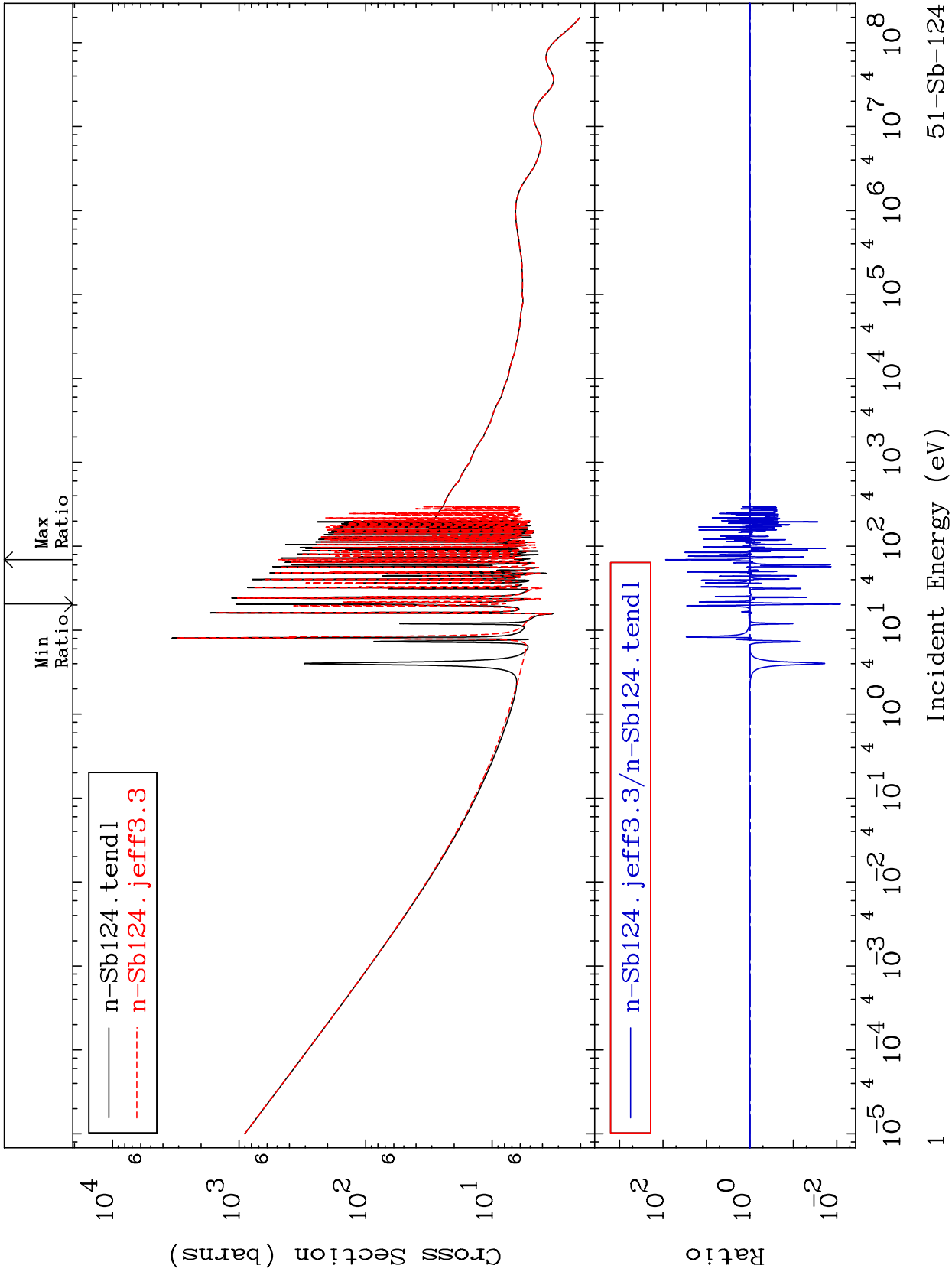


MAT 5134

Total Cross Section
51-Sb-124
-99.19 To 8632. %

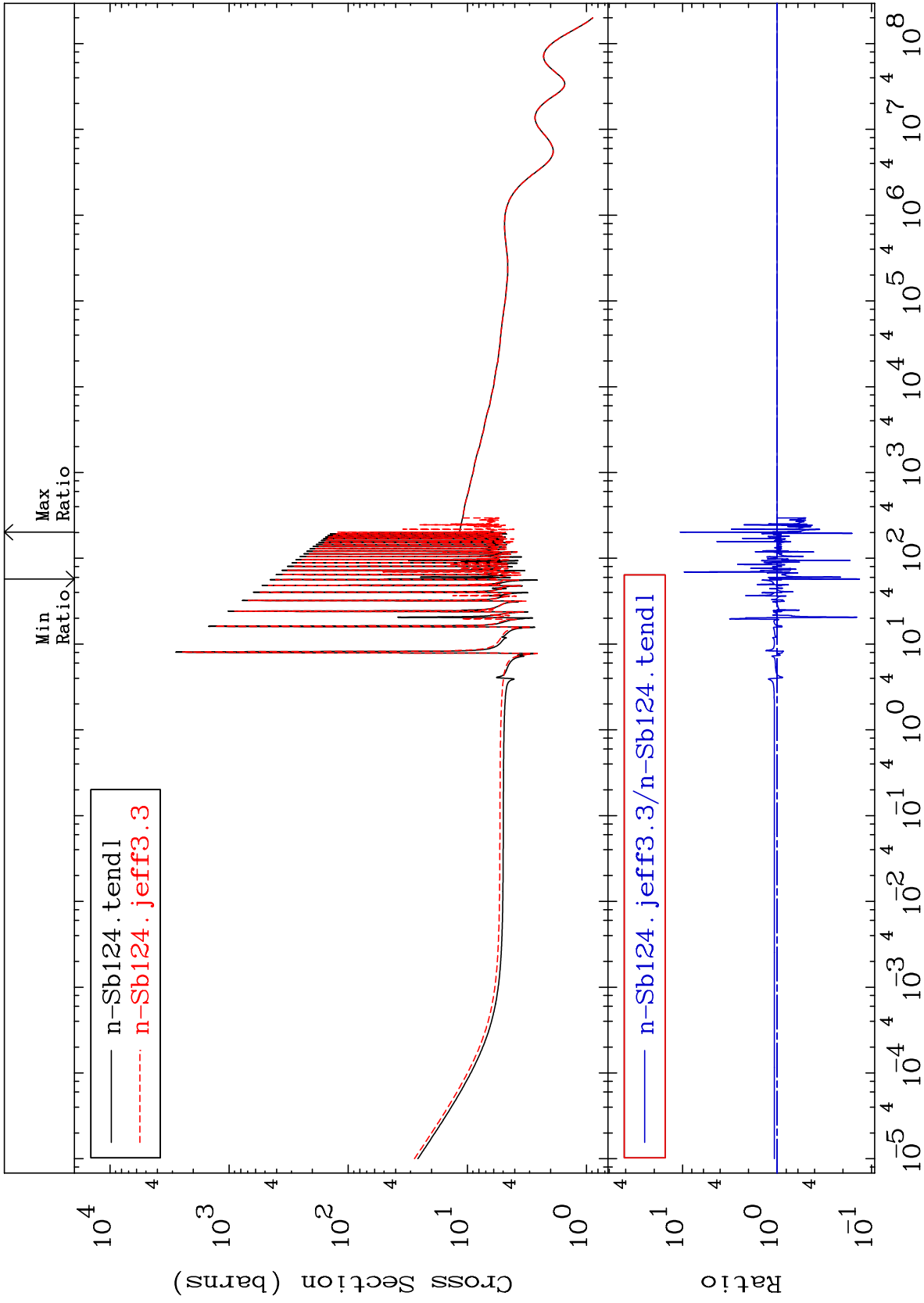


51-Sb-124

Incident Energy (eV)

MAT 5134

Elastic Cross Section
51-Sb-124
-86.60 To 956.3 %



2

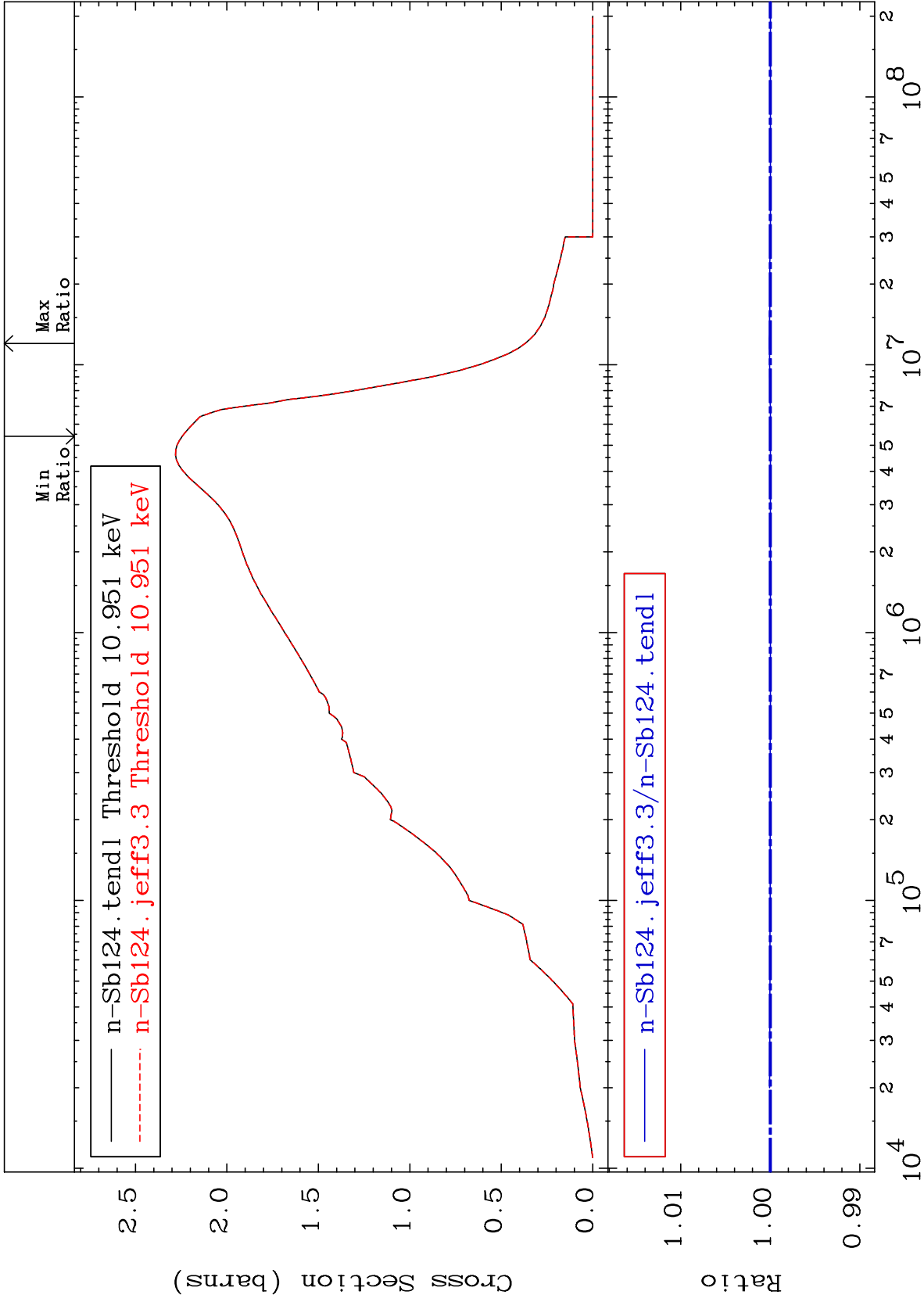
Incident Energy (eV)

51-Sb-124

MAT 5134

Inelastic
Cross Section

51-Sb-124
To 0.010 %



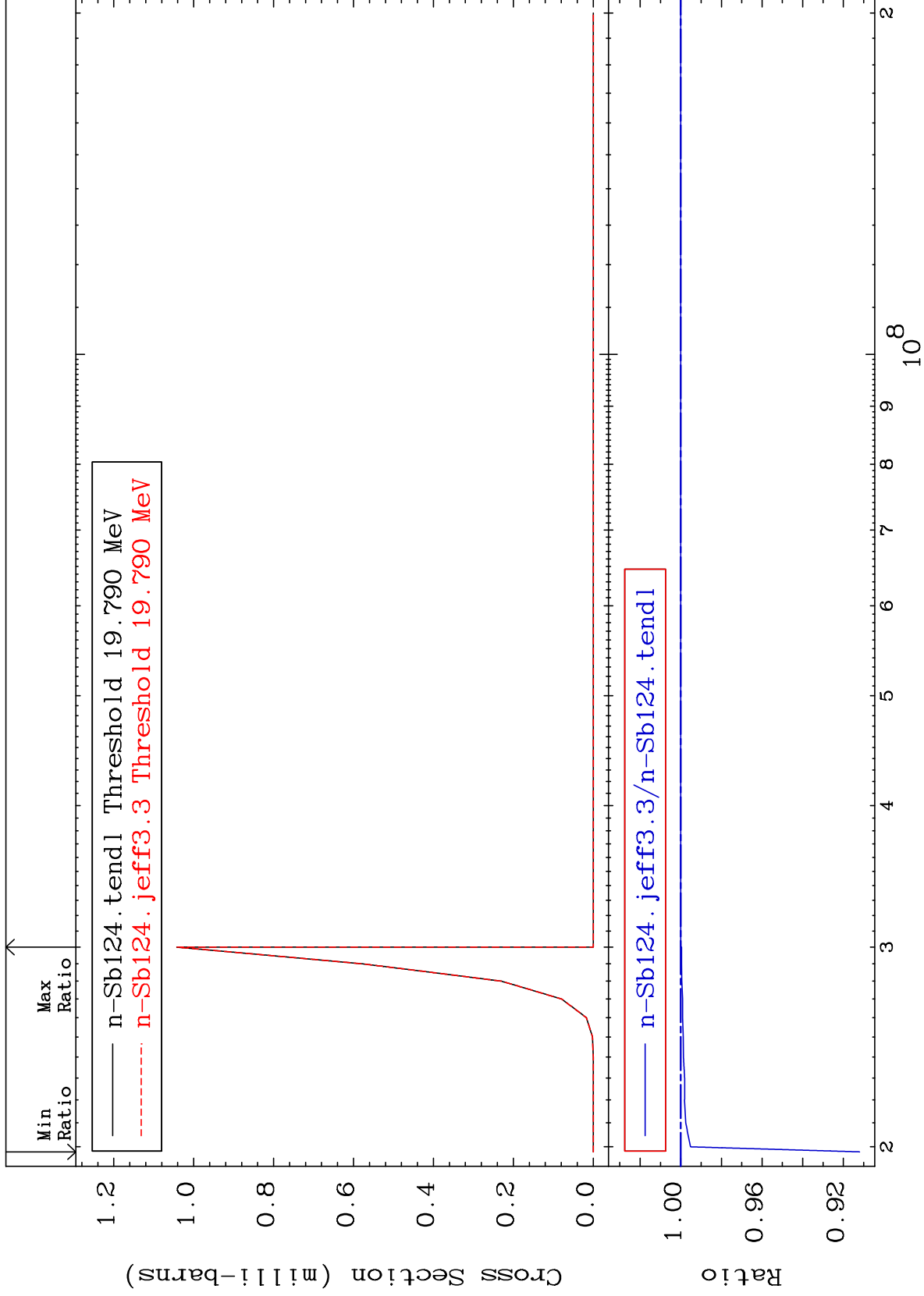
Incident Energy (eV)

51-Sb-124

MAT 5134

(n,2n) d
Cross Section

51-Sb-124
-8.795 To 0.000 %



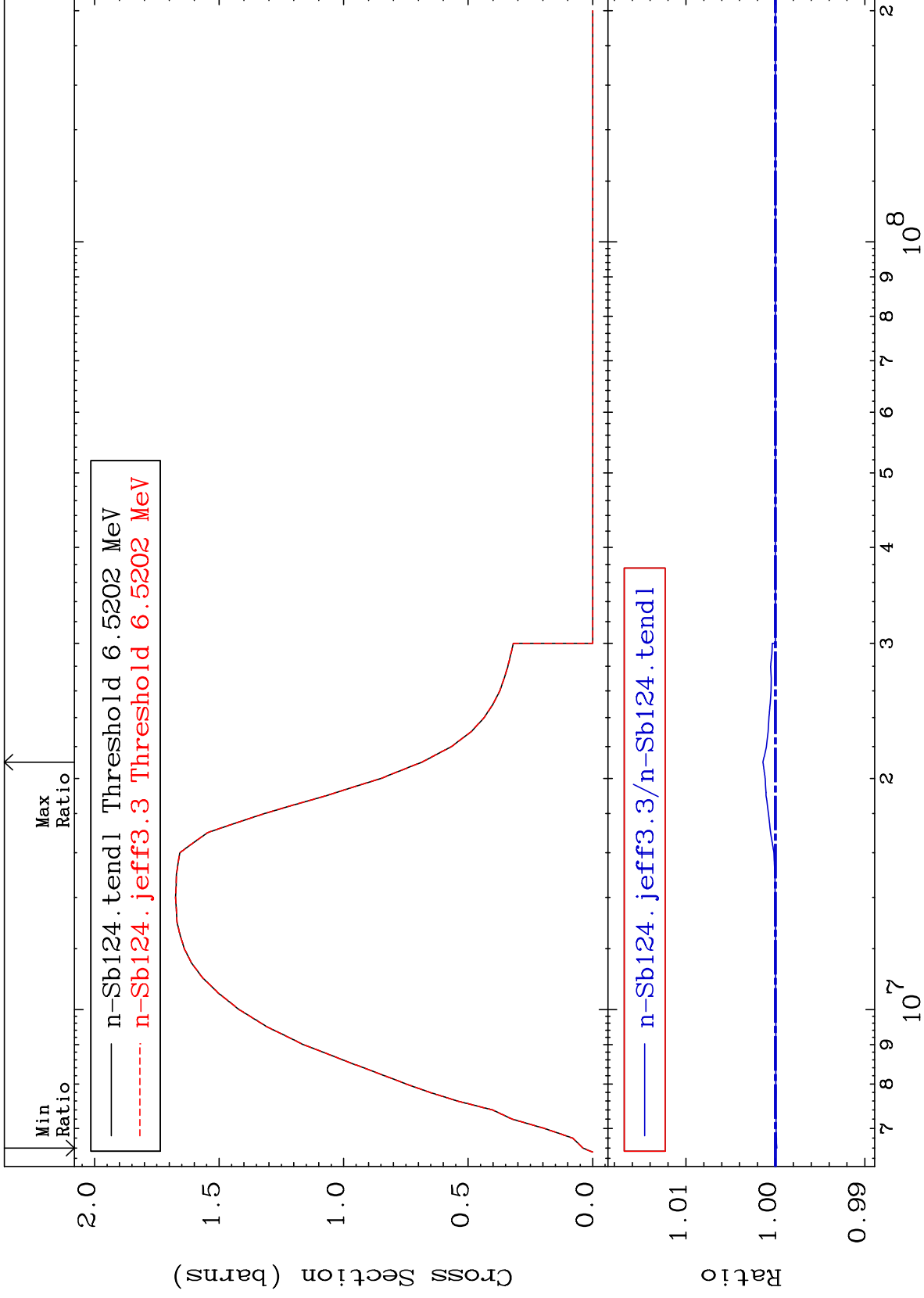
MAT 5134

(n,2n)

51-Sb-124

Cross Section

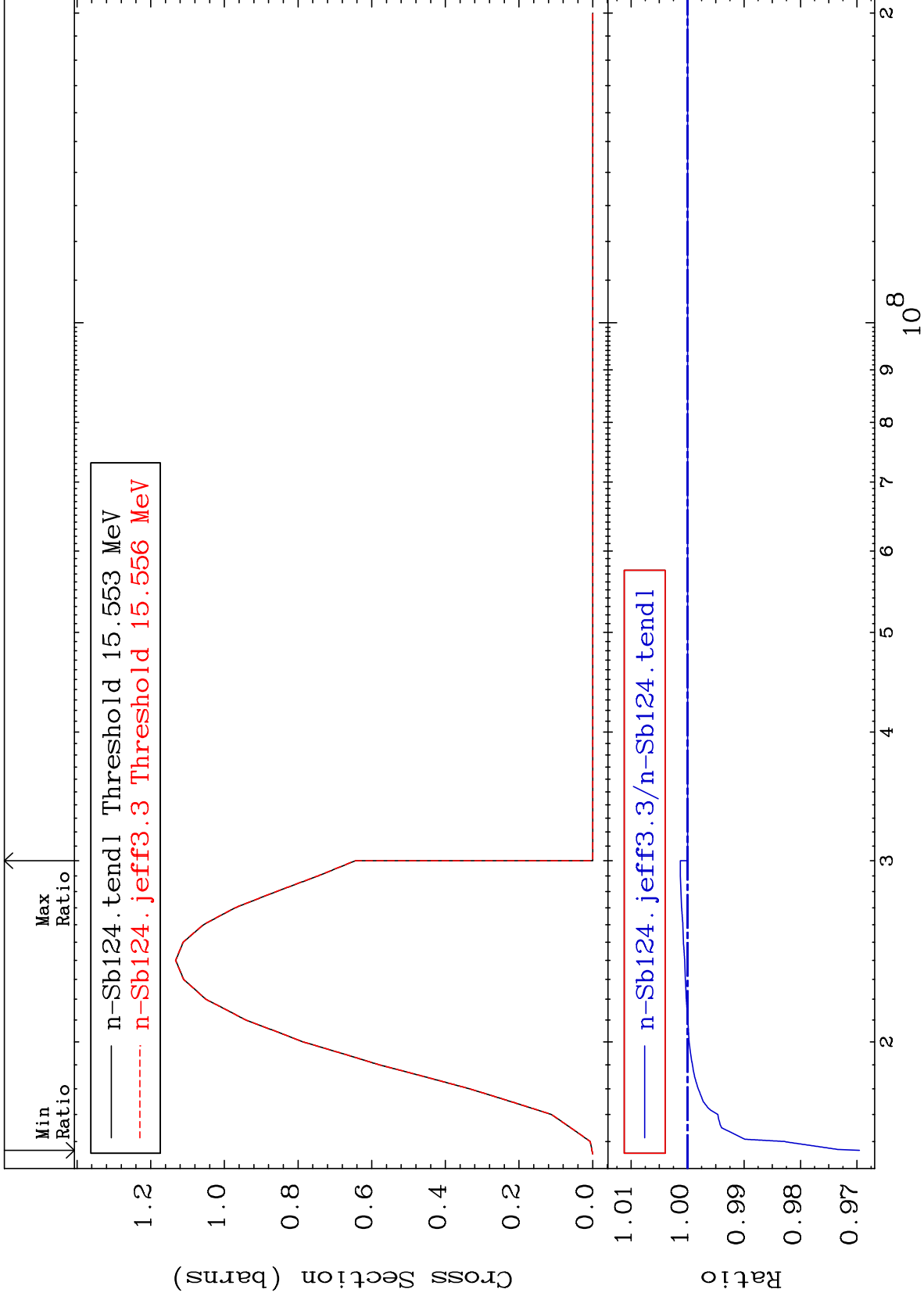
-0.016 To 0.139 %



5

Incident Energy (eV)

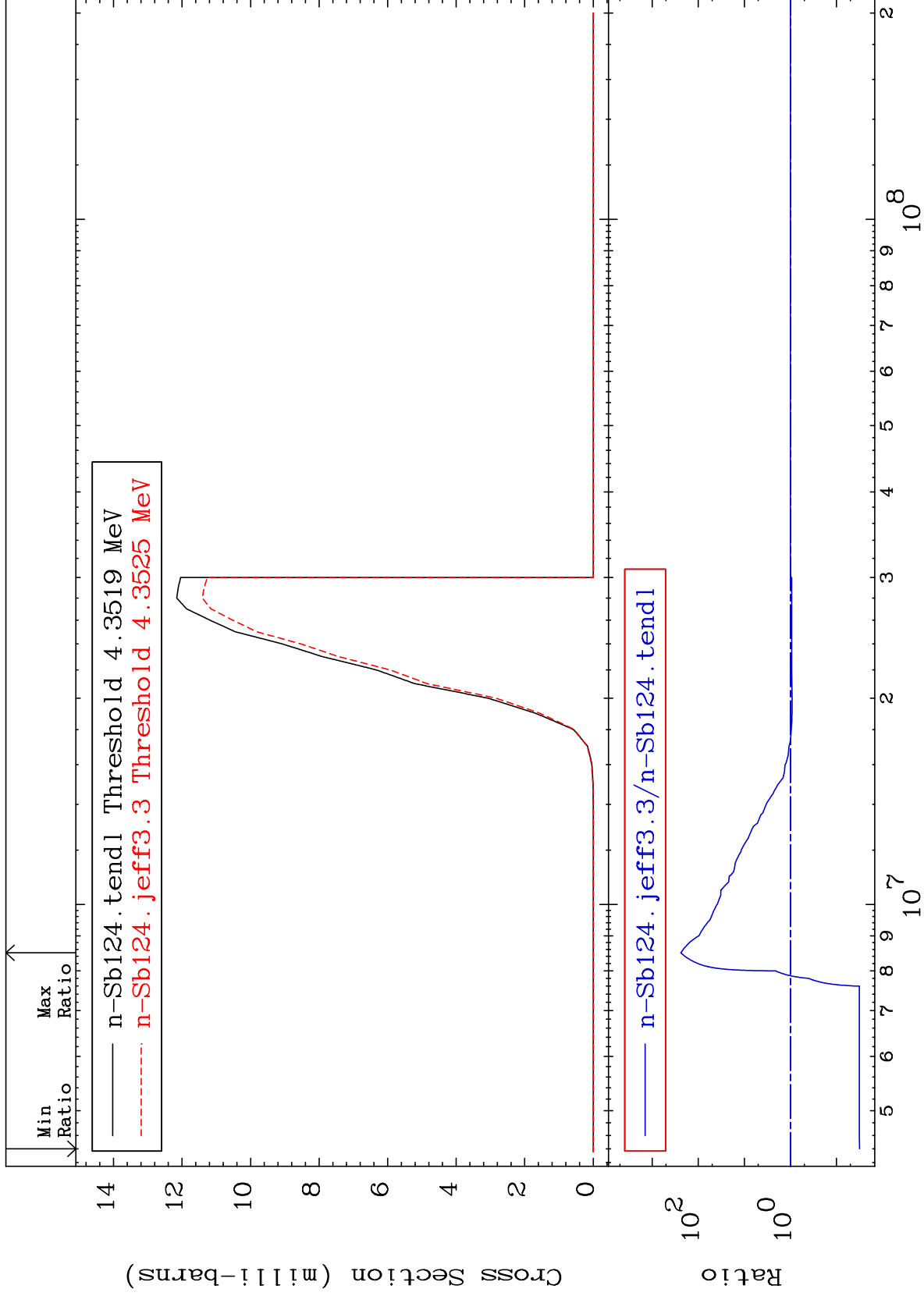
51-Sb-124



MAT 5134

(n,n') α
Cross Section

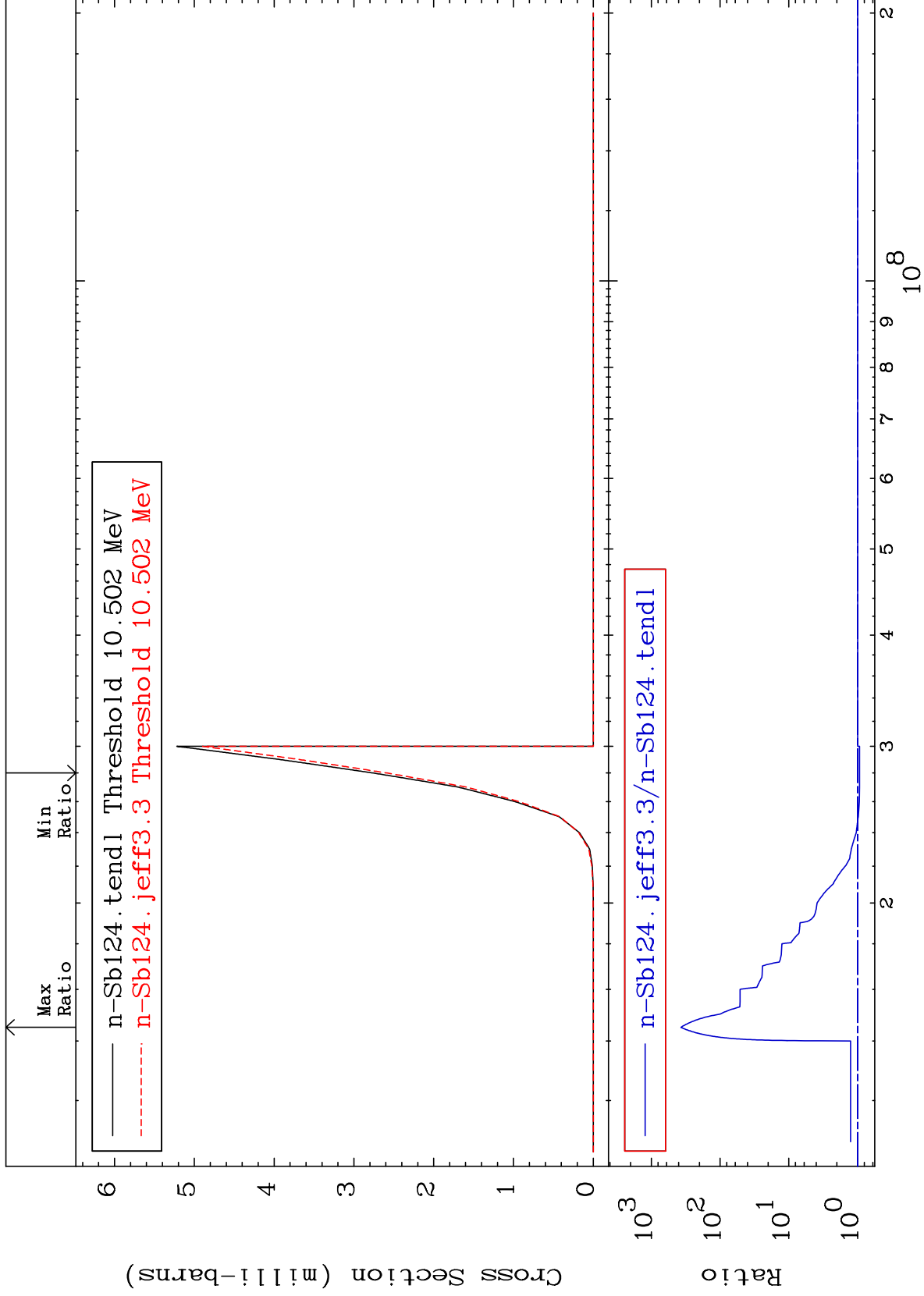
51-Sb-124
-96.84 To 9999. %



MAT 5134

(n,2n) α
Cross Section

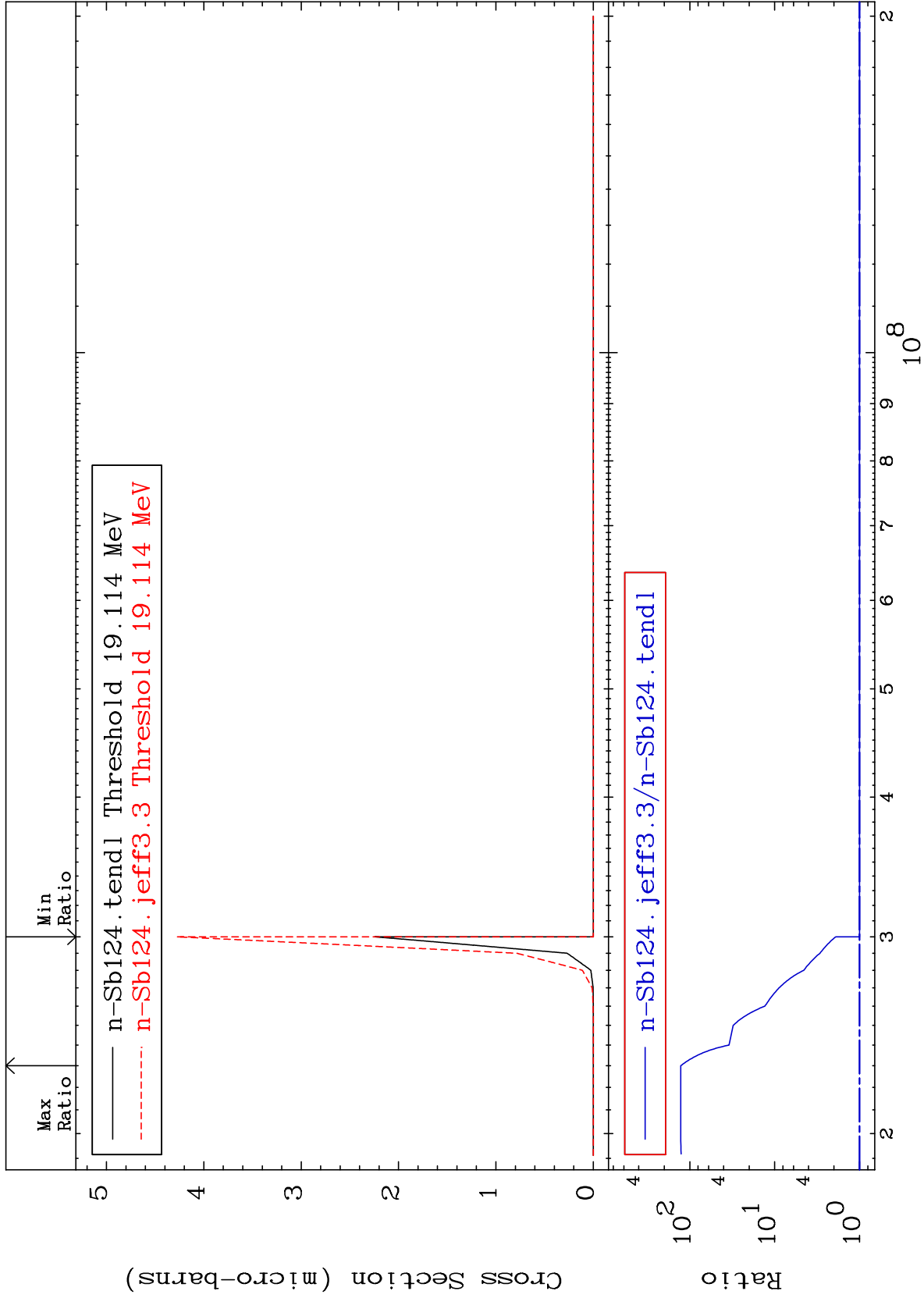
51-Sb-124
-6.273 To 9999. %



MAT 5134

(n,3n) α
Cross Section

51-Sb-124
To 9999. %



9

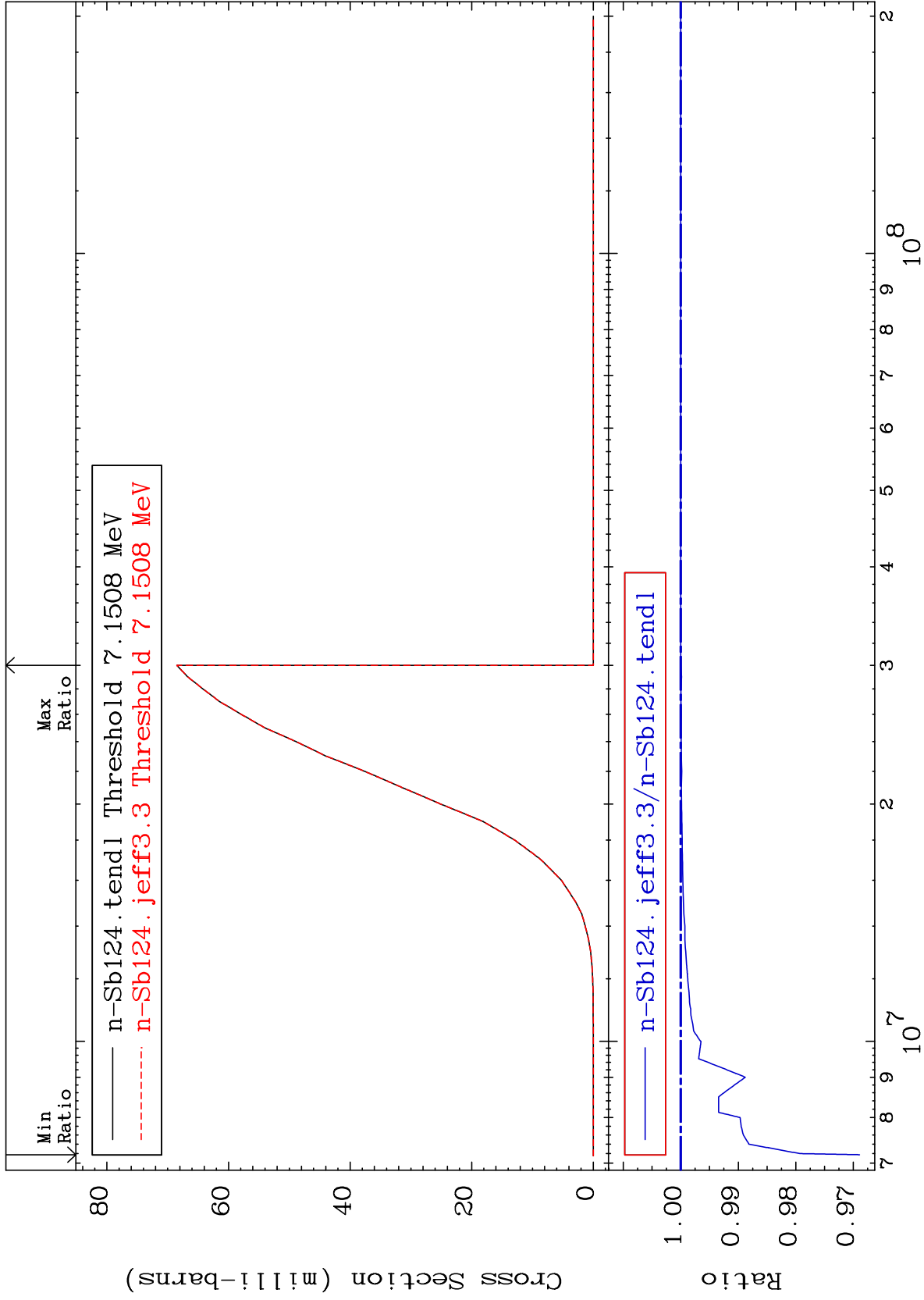
51-Sb-124

MAT 5134

51-Sb-124

(n,n') p
Cross Section

-3.107 To 0.000 %



51-Sb-124

Incident Energy (eV)

10

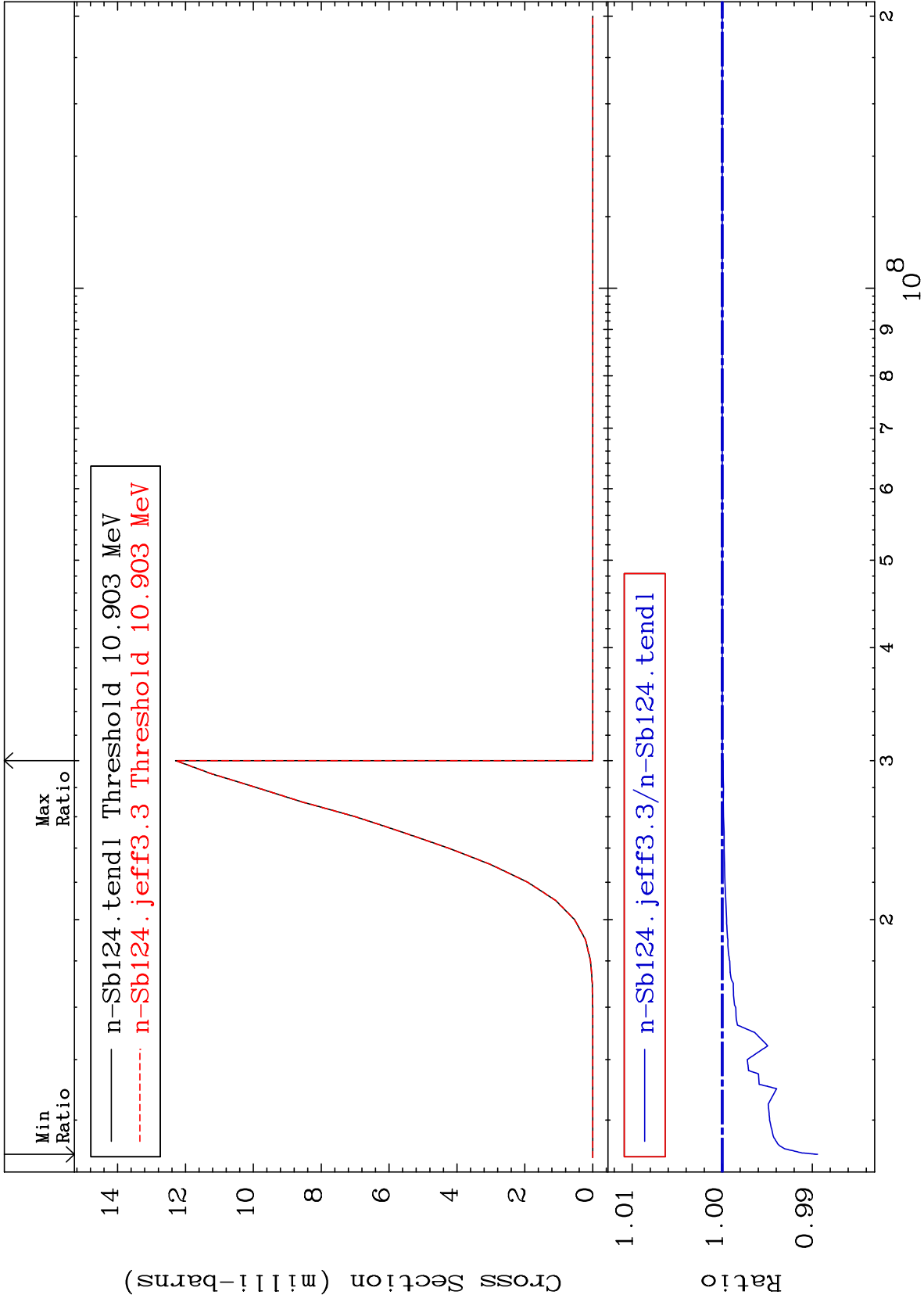
MAT 5134

(n,n') d

51-Sb-124

Cross Section

-1.060 To 0.000 %



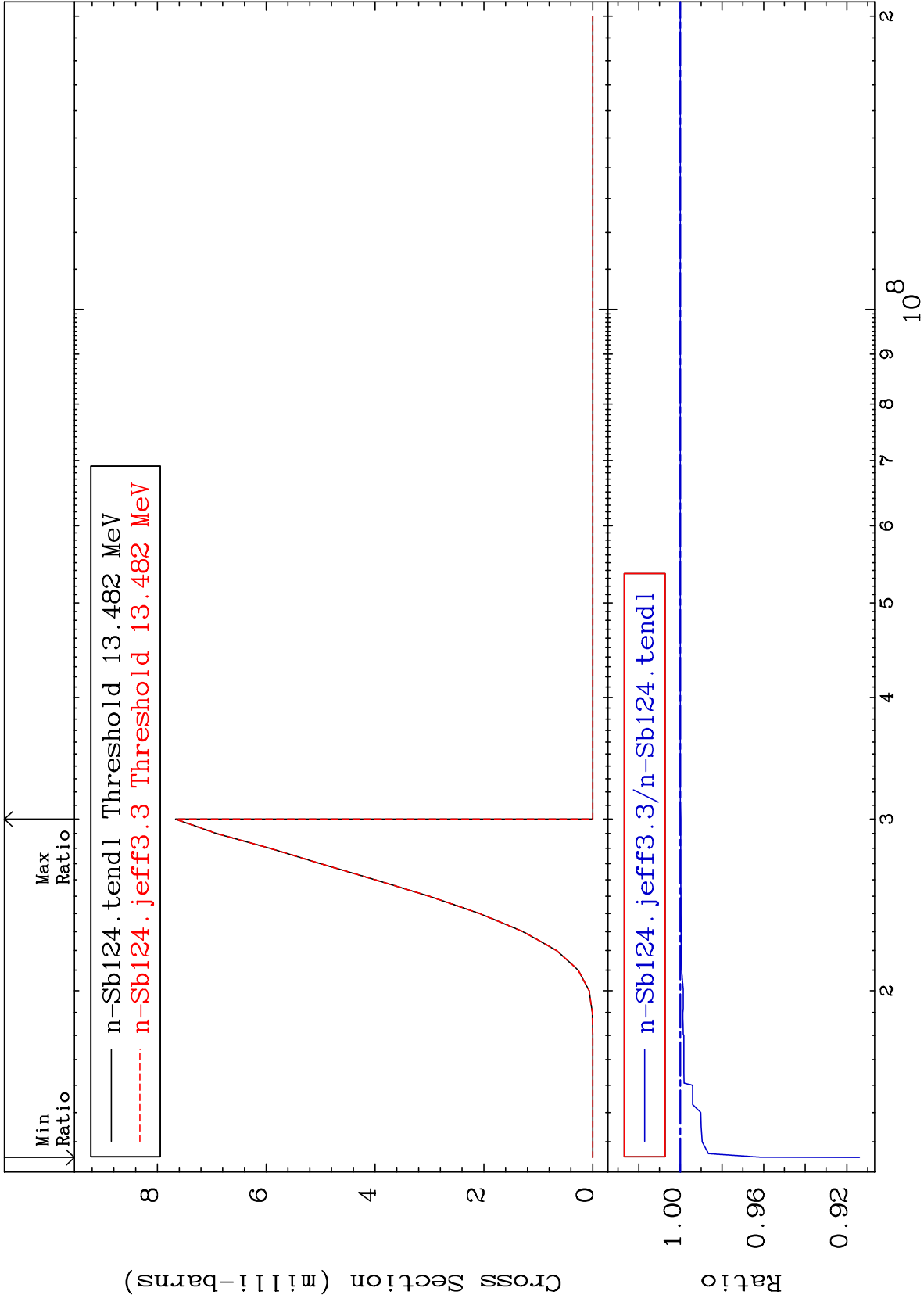
MAT 5134

(n,n') t

51-Sb-124

Cross Section

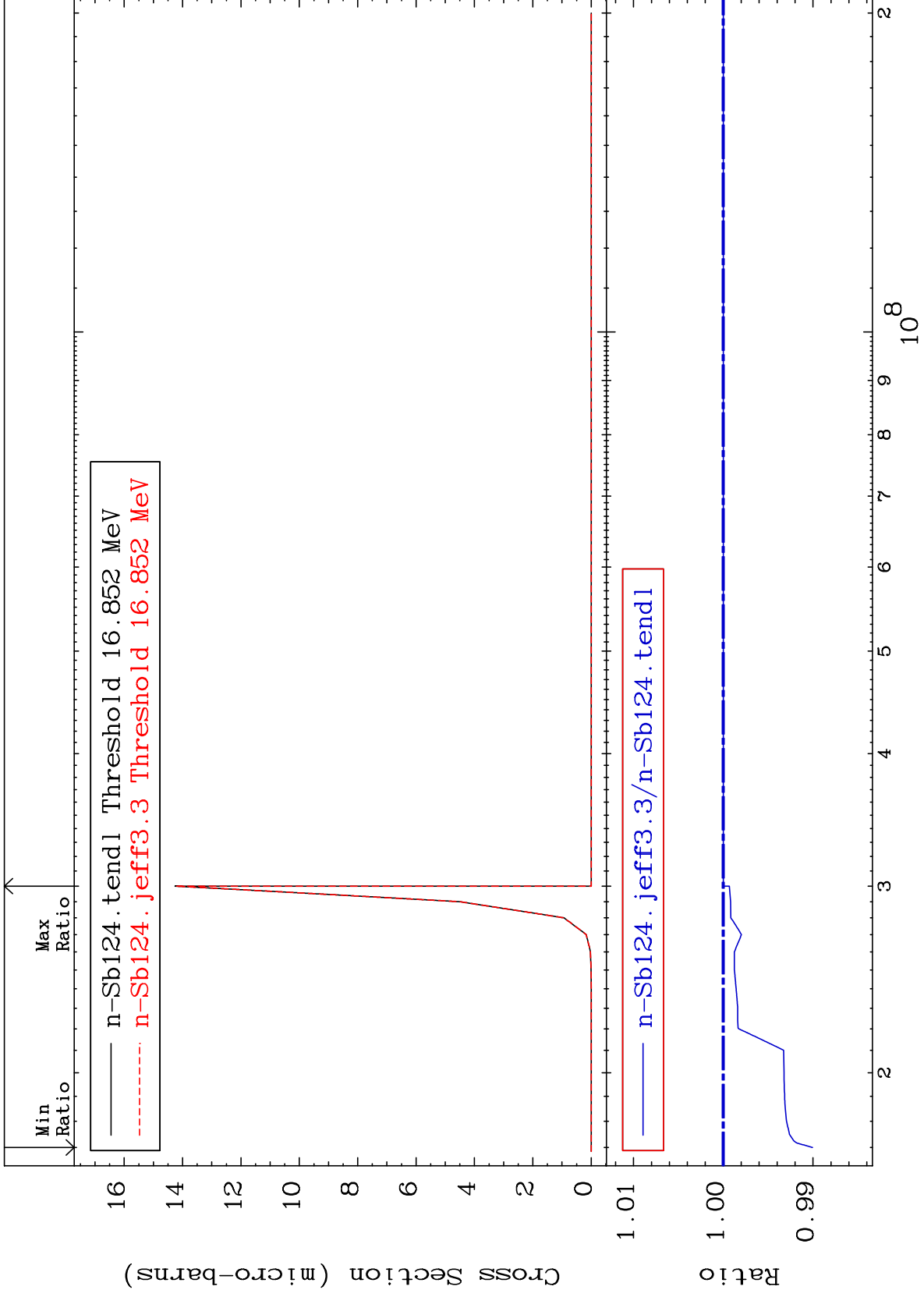
-8.601 To 0.000 %



MAT 5134

(n, n') He-3
Cross Section

51-Sb-124
-0.996 To 0.000 %



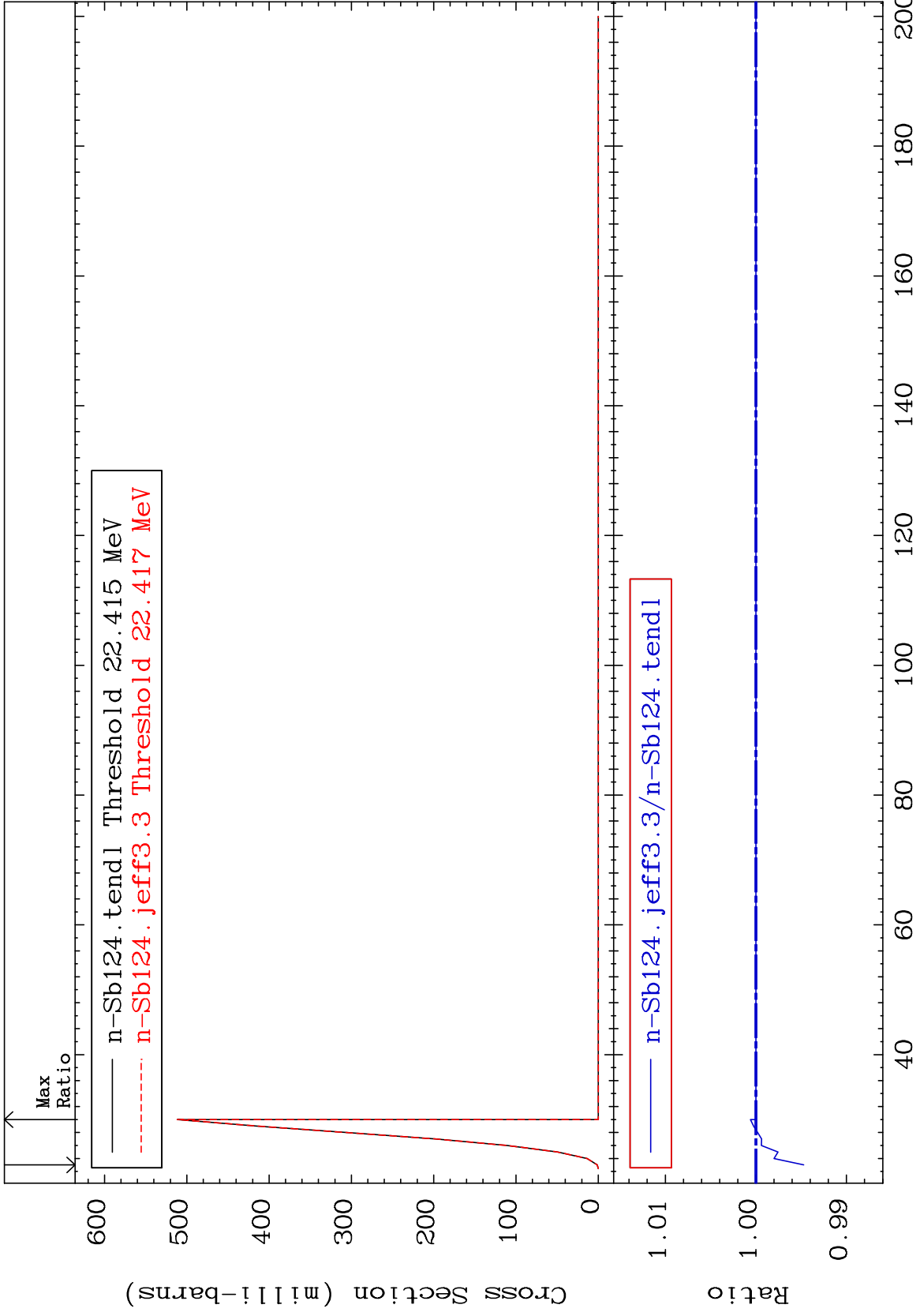
MAT 5134

(n,4n)

51-Sb-124

Cross Section

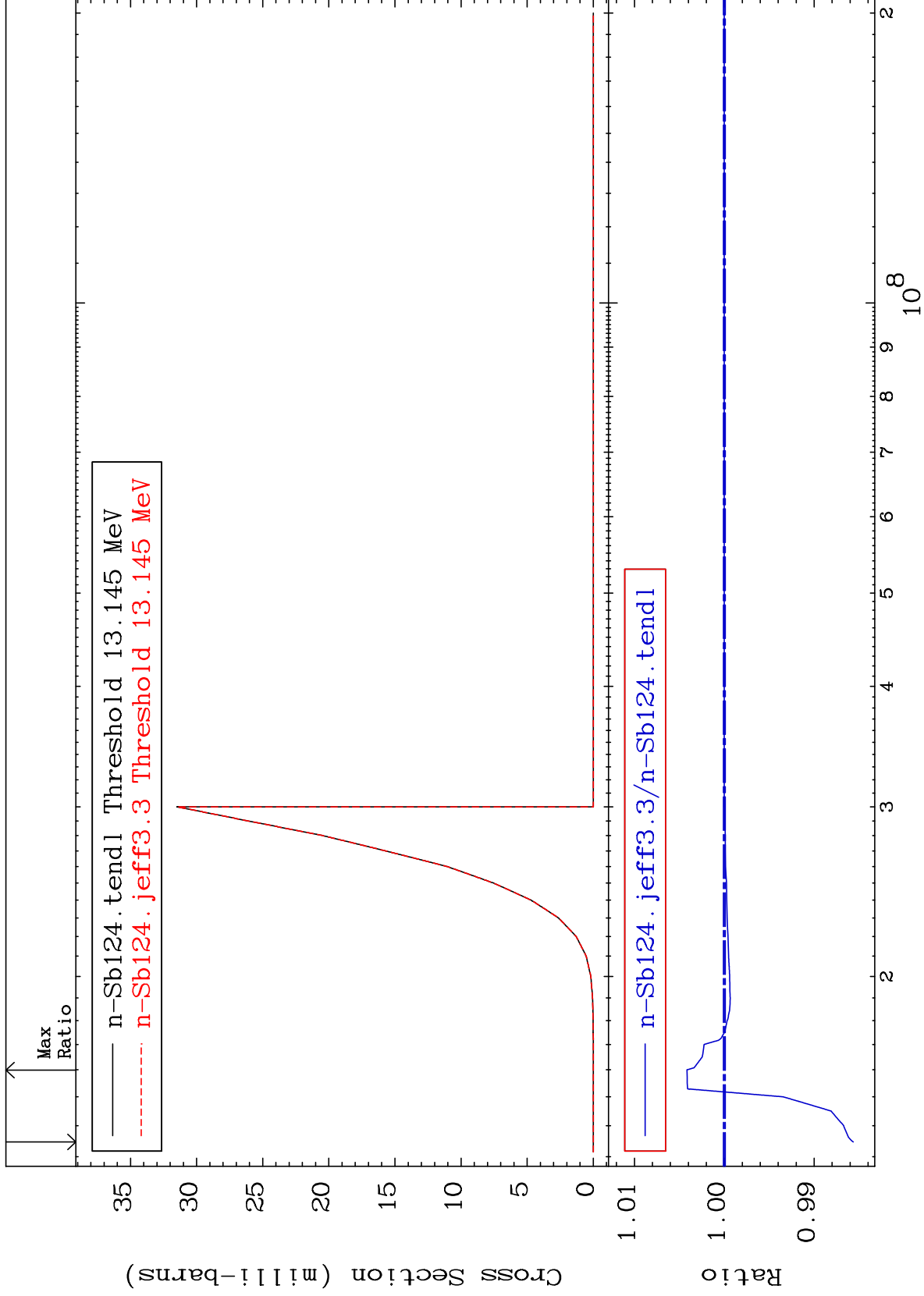
-0.528 To 0.060 %



MAT 5134

(n,2n) p
Cross Section

51-Sb-124
-1.436 To 0.415 %



15

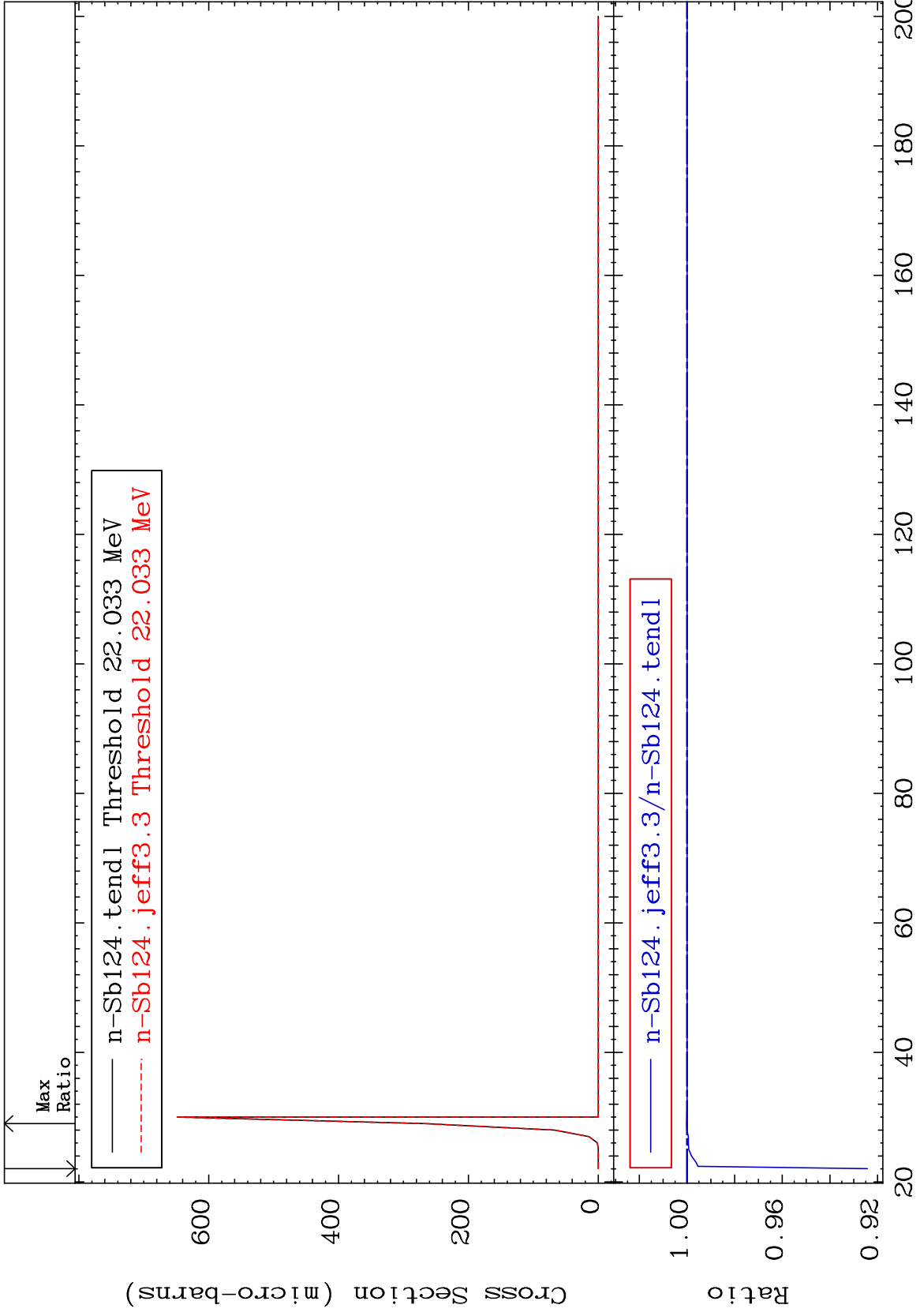
Incident Energy (eV)

51-Sb-124

MAT 5134

(n,3n) p
Cross Section

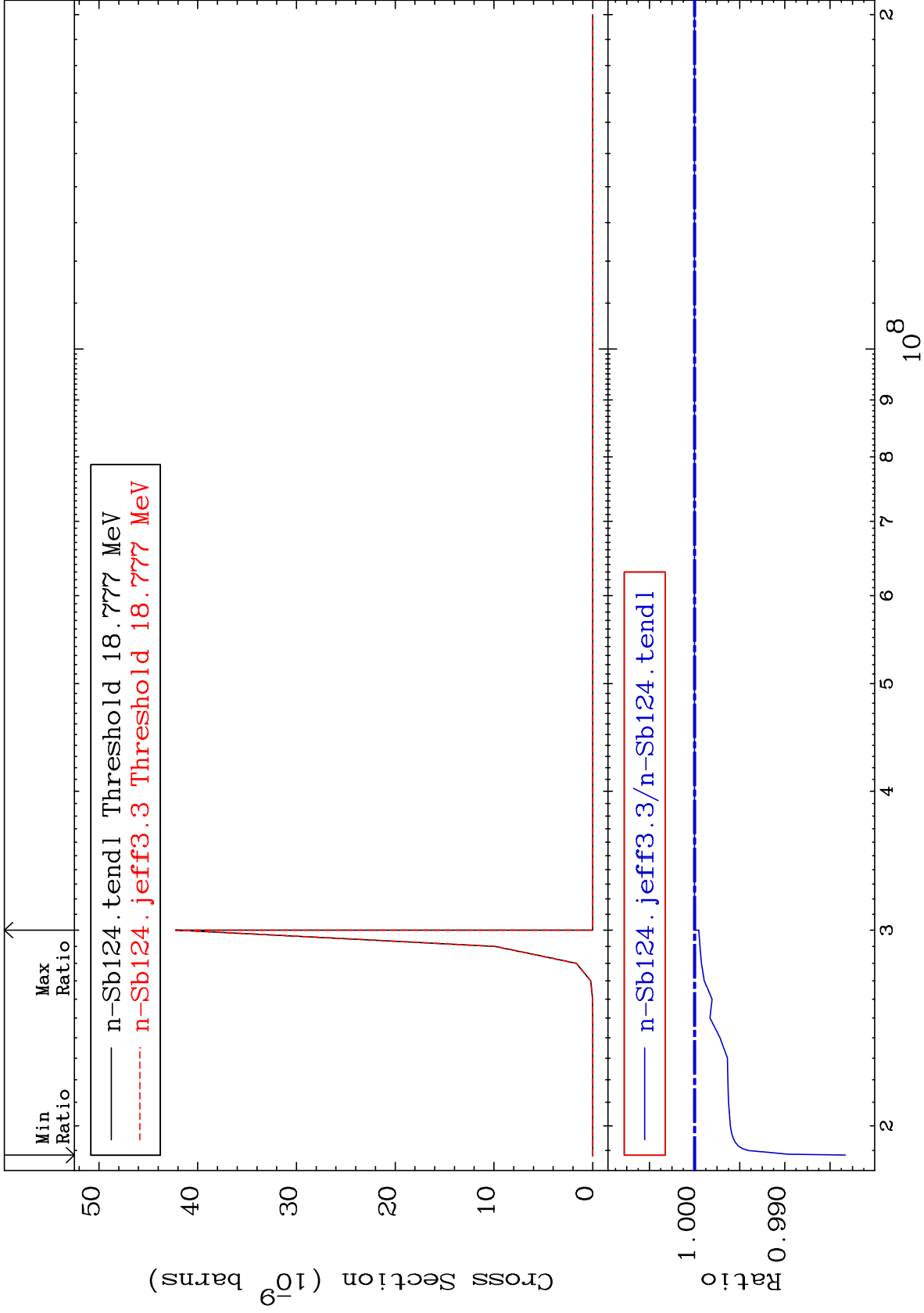
51-Sb-124
-7.575 To 0.012 %



MAT 5134

(n,2n) p
Cross Section

51-Sb-124
-1.669 To 0.000 %



17

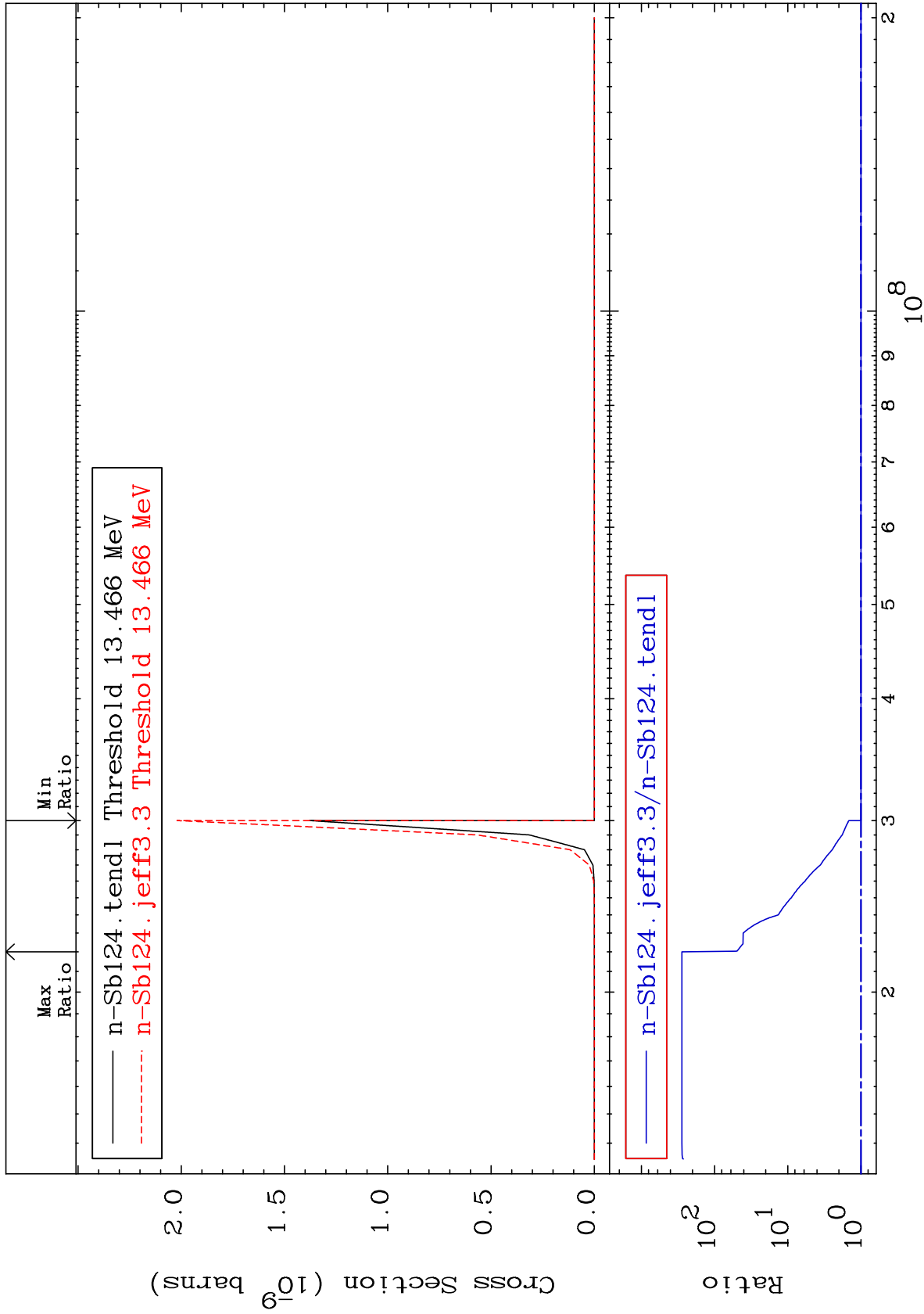
Incident Energy (eV)

51-Sb-124

MAT 5134

(n,n') p α
Cross Section

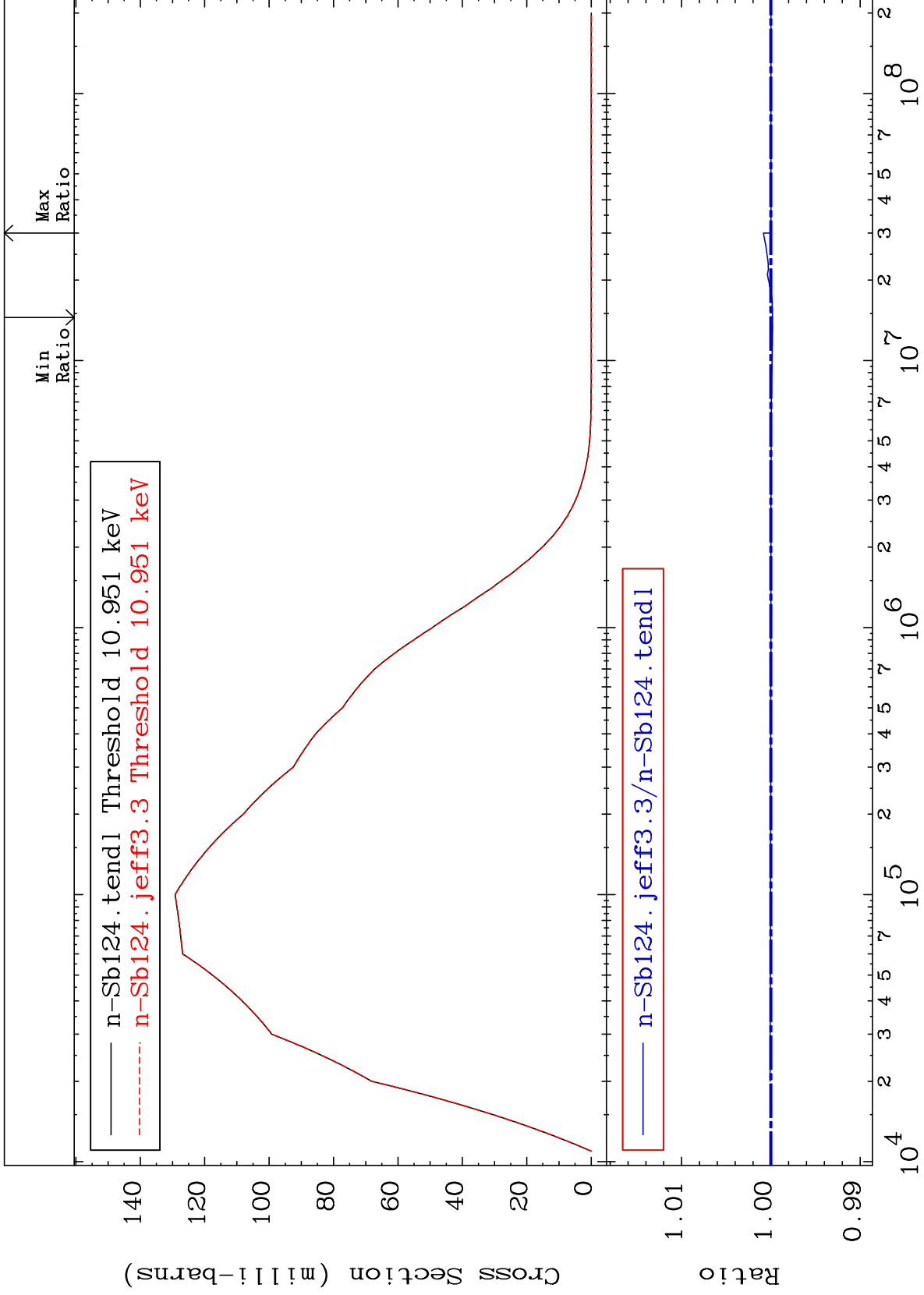
51-Sb-124
To 9999. %



MAT 5134

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

51-Sb-124
-0.019 To 0.084 %



19

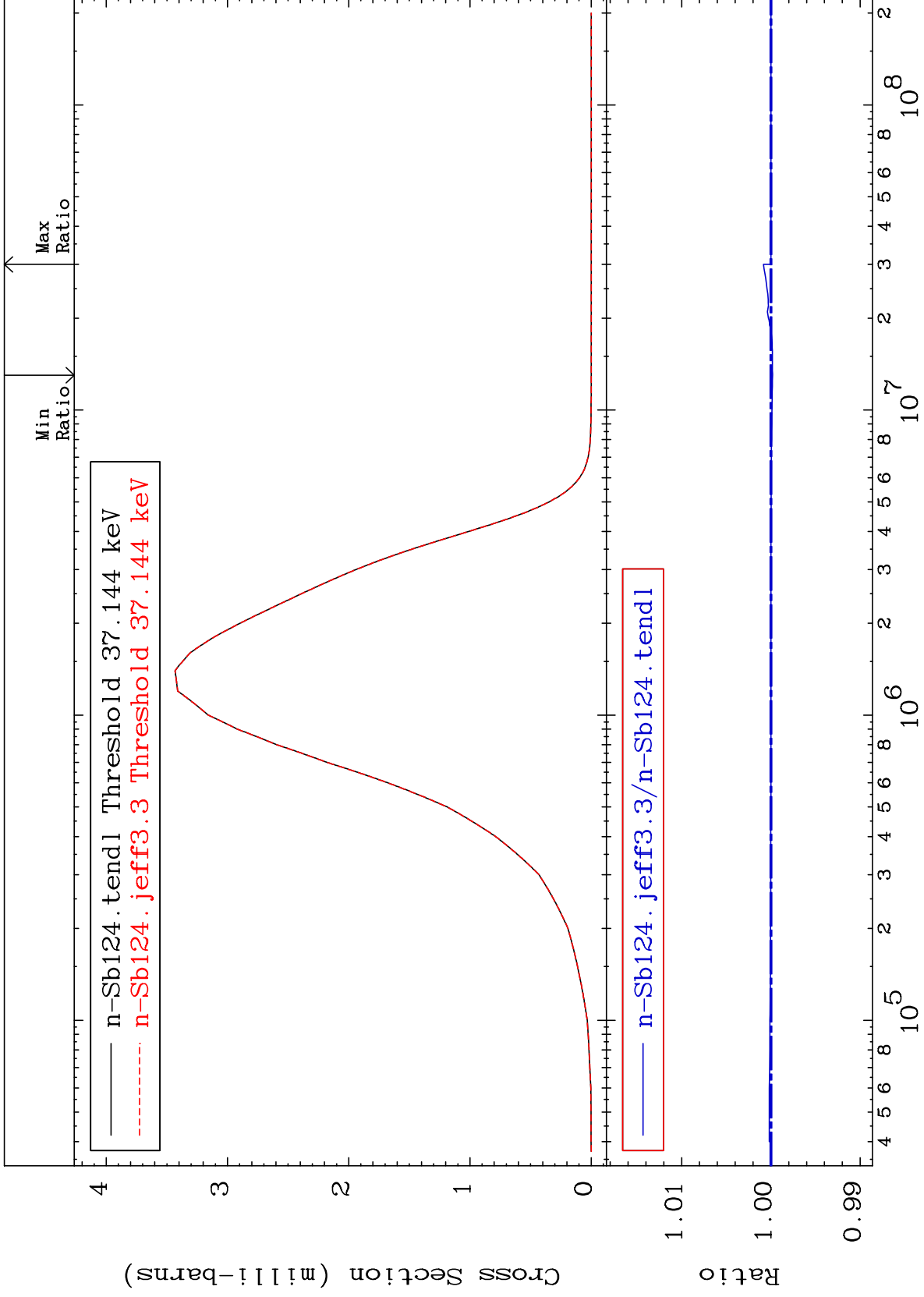
Incident Energy (eV)

51-Sb-124

MAT 5134

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

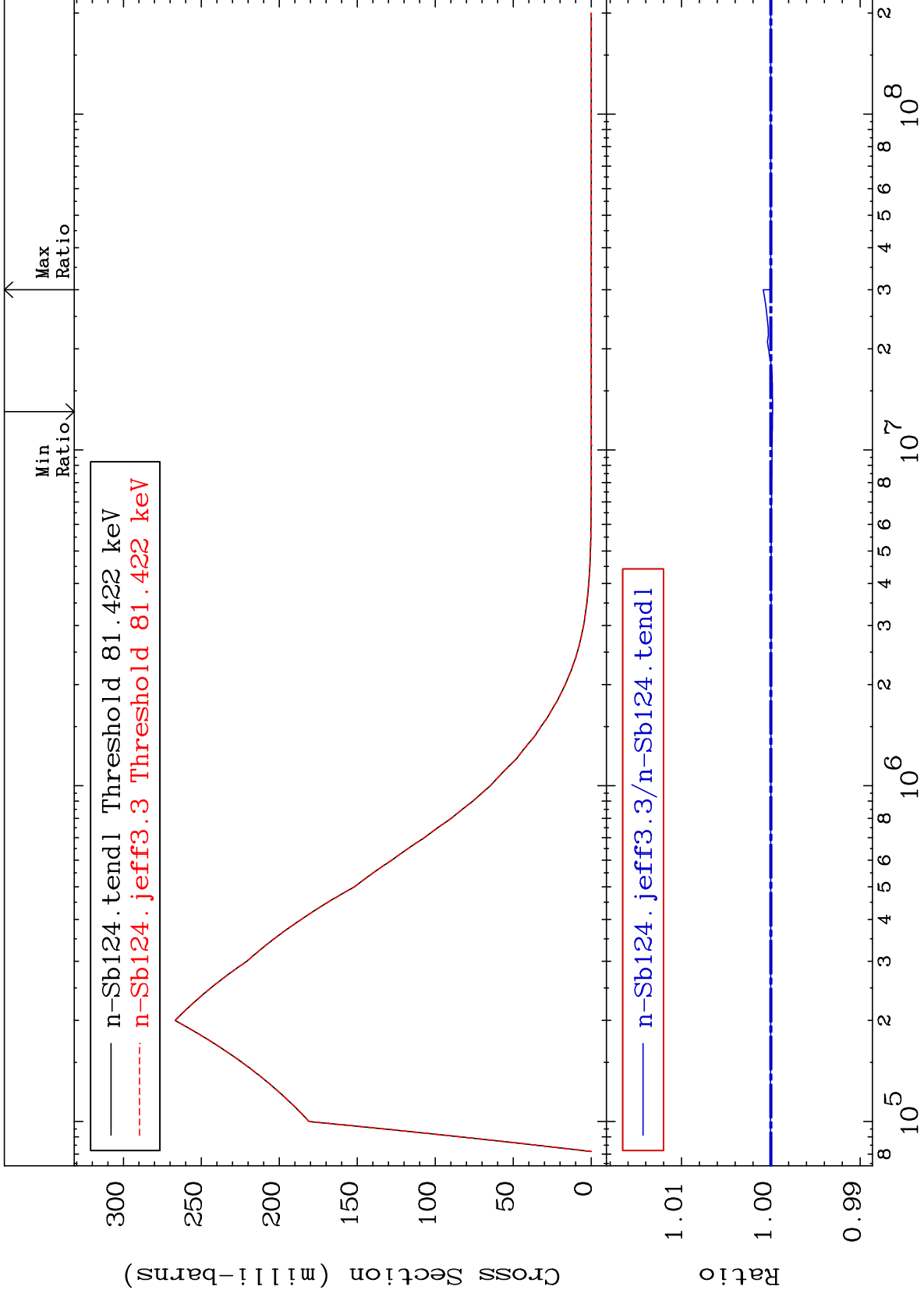
51-Sb-124
-0.018 To 0.084 %



MAT 5134

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

51-Sb-124
-0.019 To 0.084 %



21

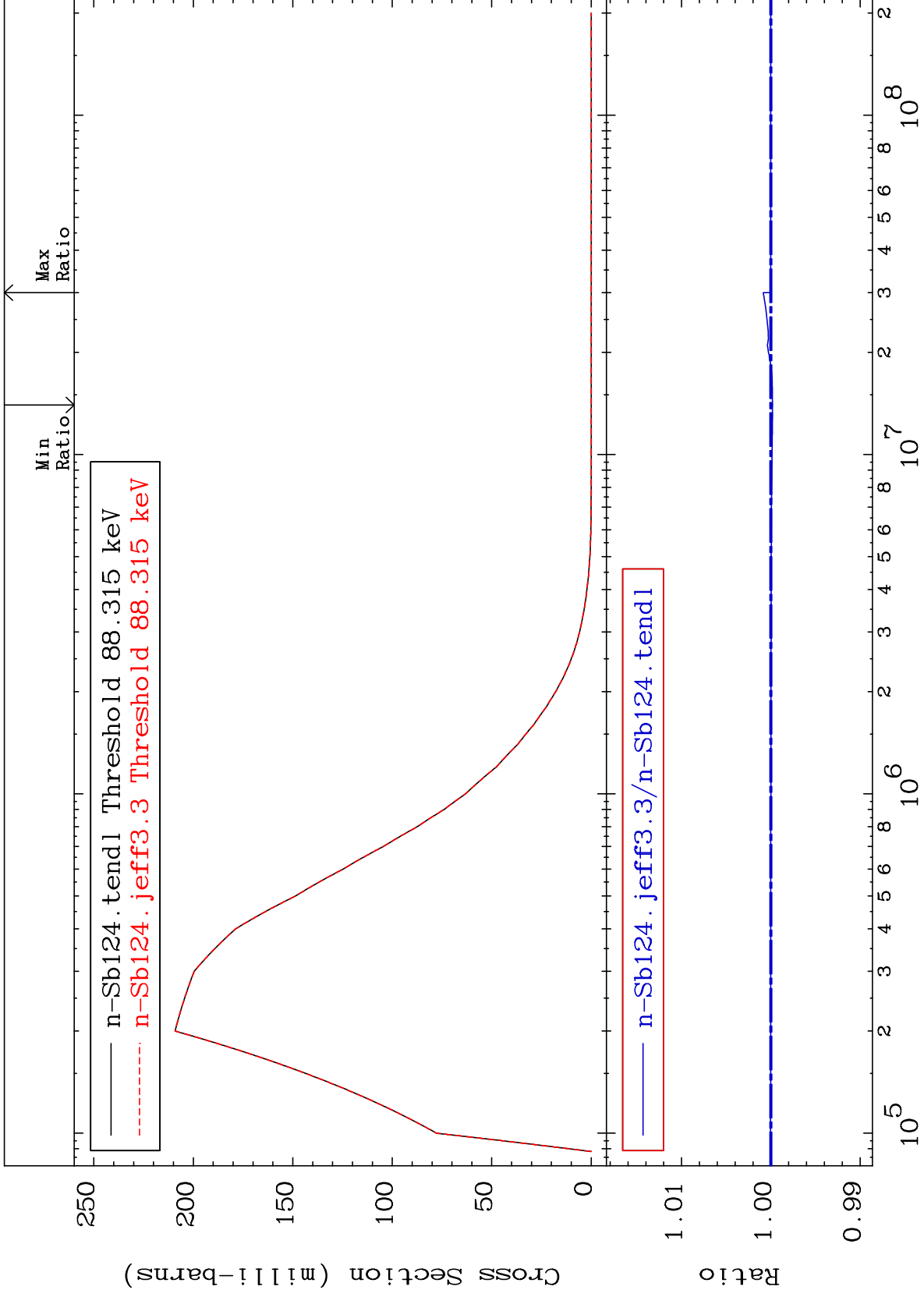
Incident Energy (eV)

51-Sb-124

MAT 5134

MT= 55 (n,n') Level
Cross Section

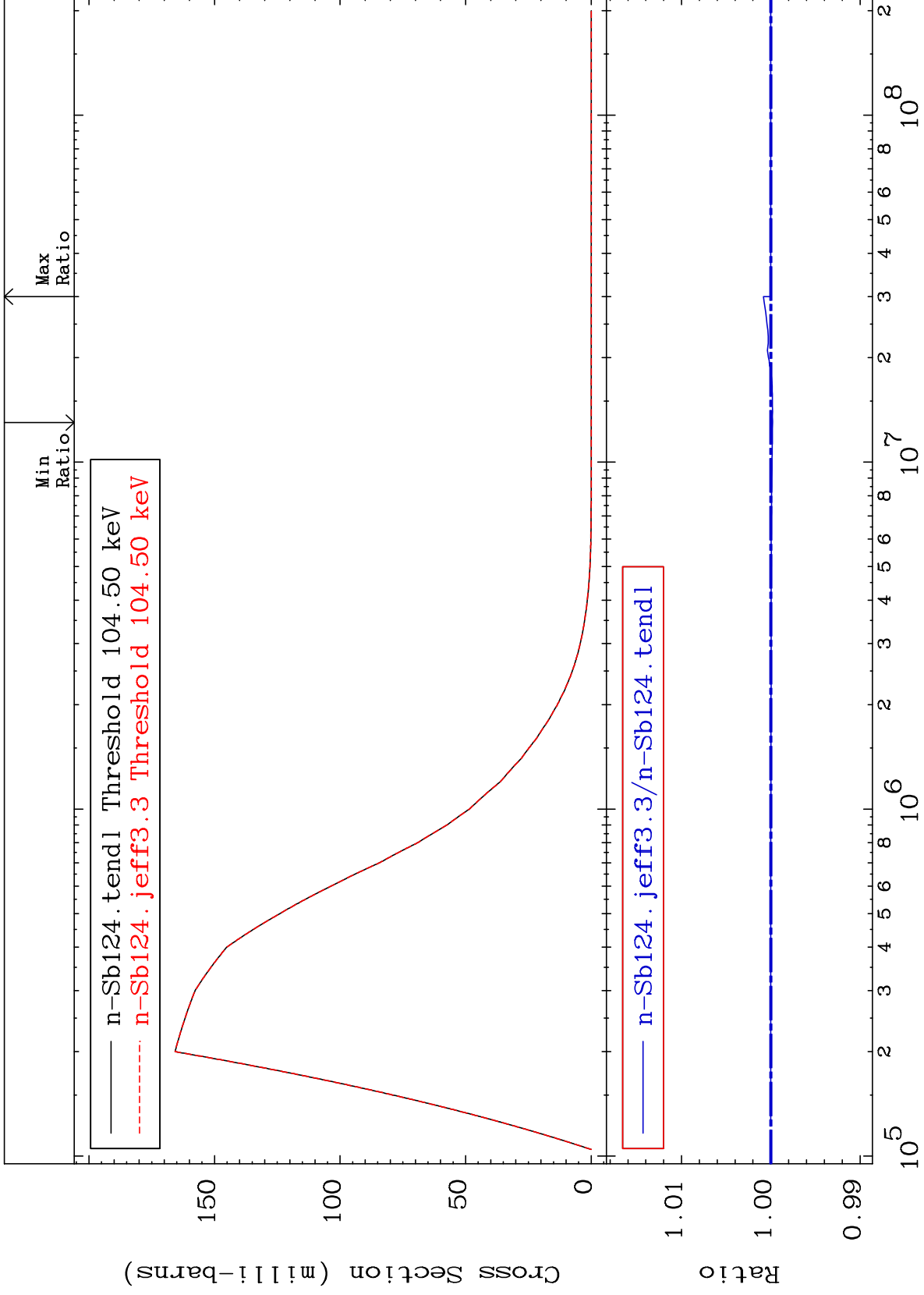
51-Sb-124
-0.019 To 0.084 %



MAT 5134

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

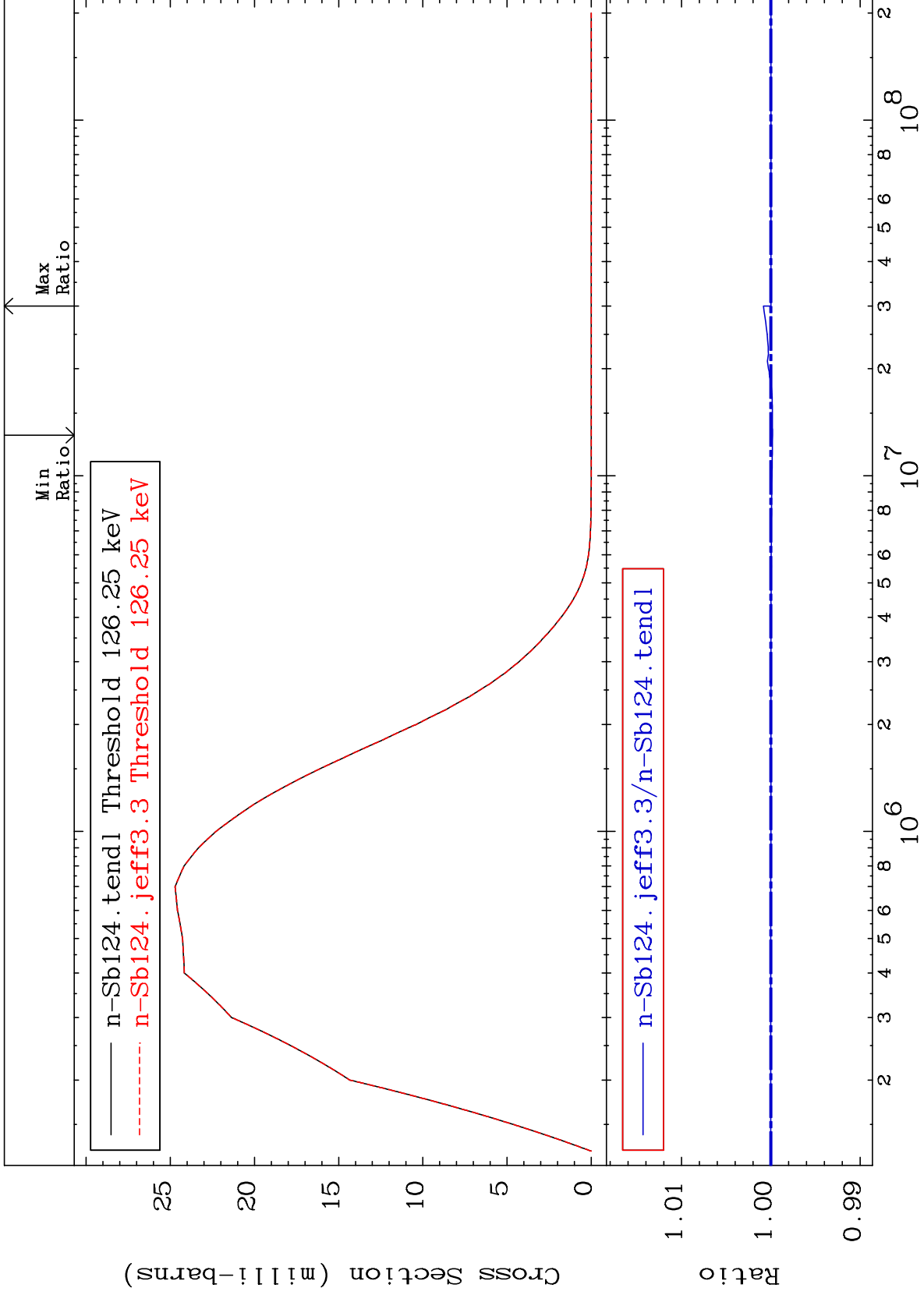
51-Sb-124
-0.019 To 0.083 %



MAT 5134

MT= 57 (n,n') Level
Cross Section

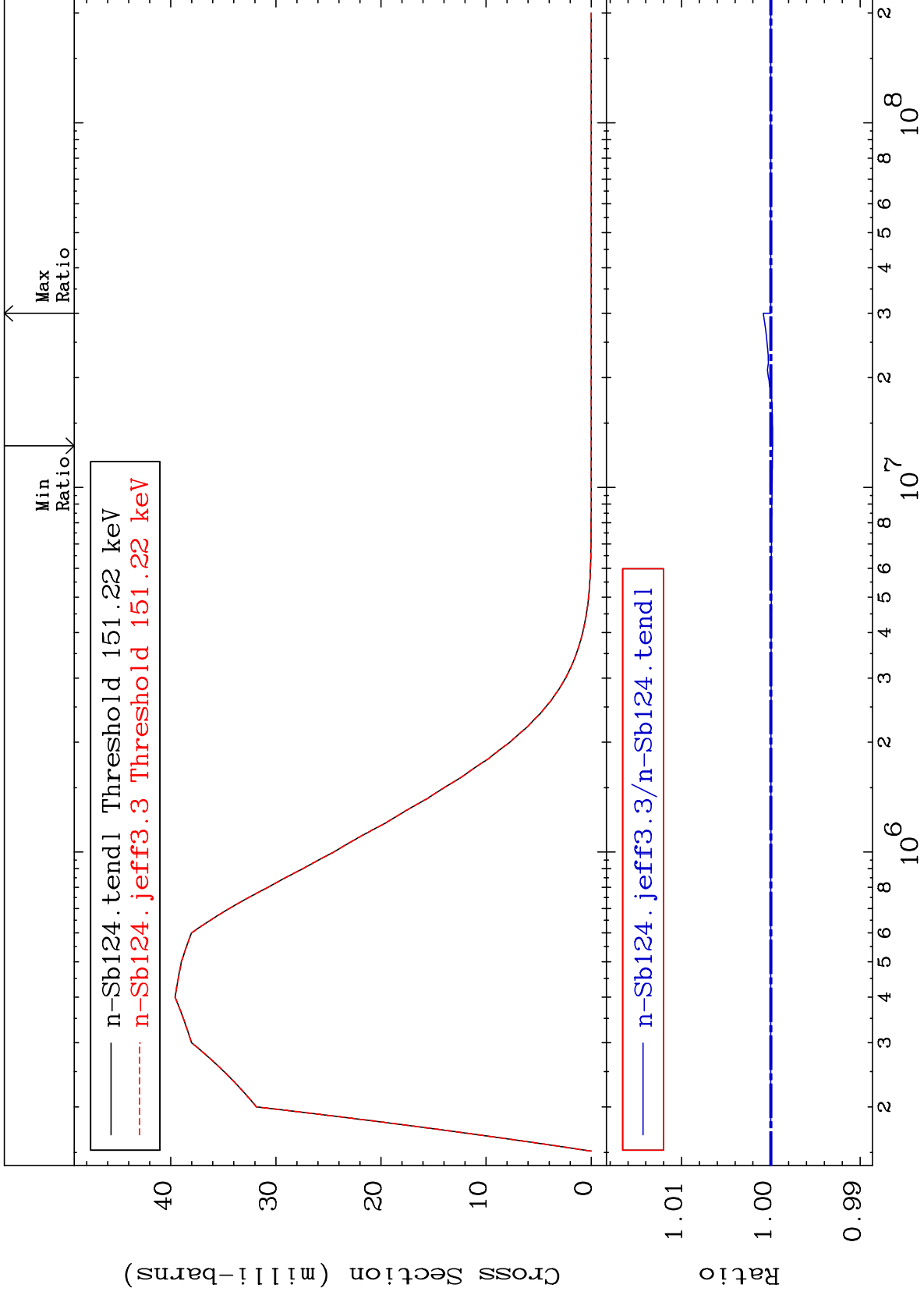
51-Sb-124
-0.019 To 0.084 %



MAT 5134

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

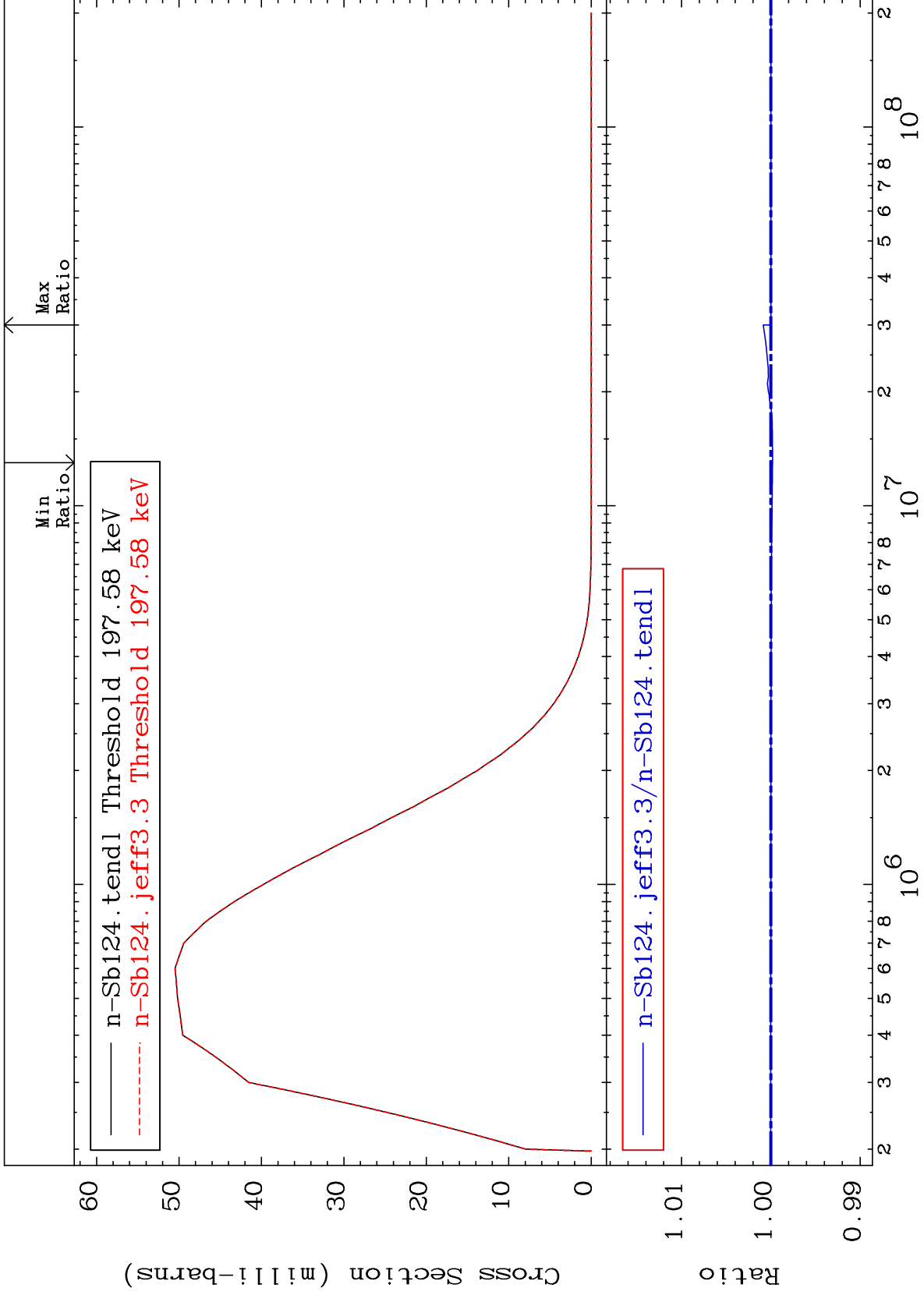
51-Sb-124
-0.020 To 0.084 %



MAT 5134

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

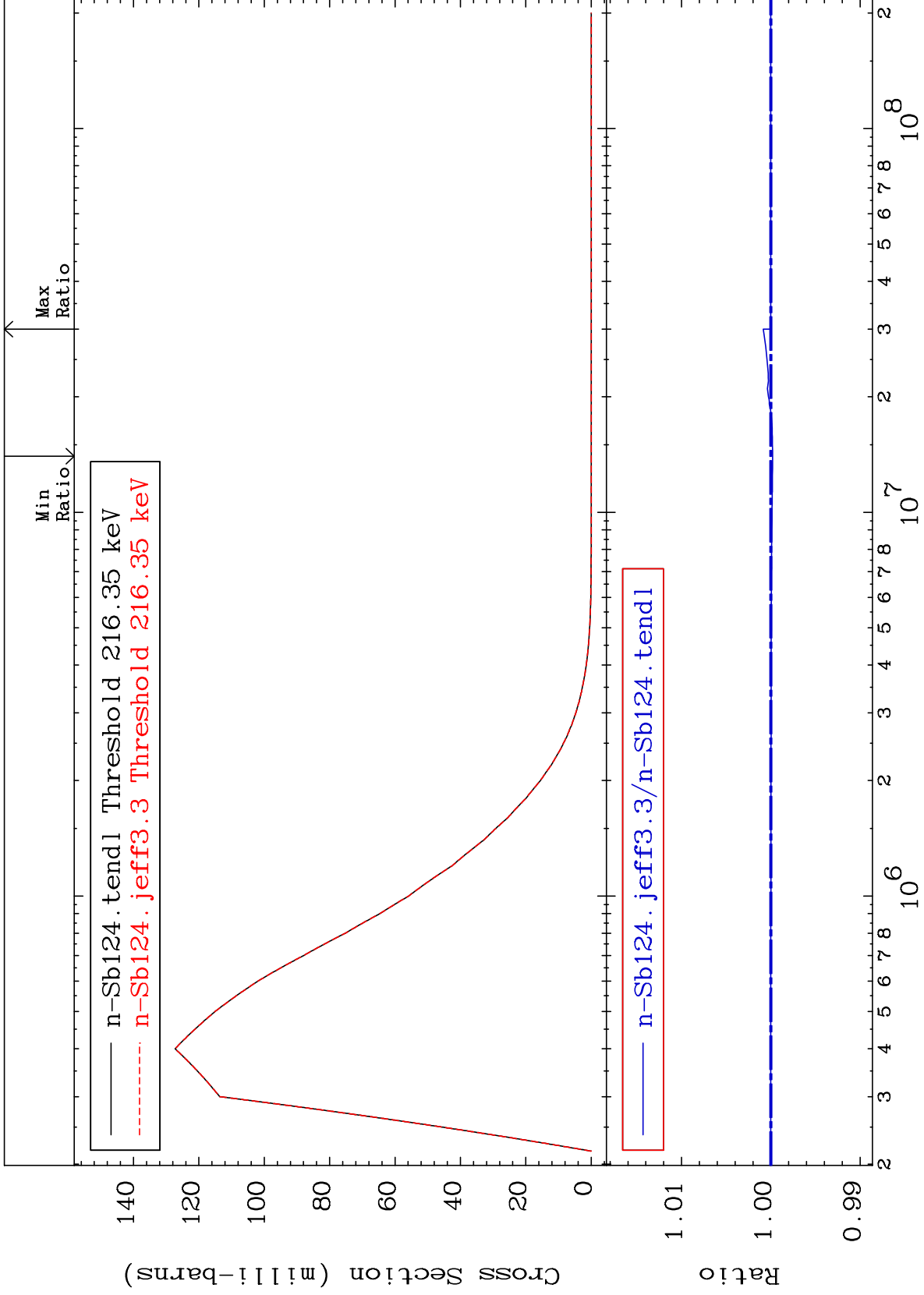
51-Sb-124
-0.019 To 0.084 %



MAT 5134

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

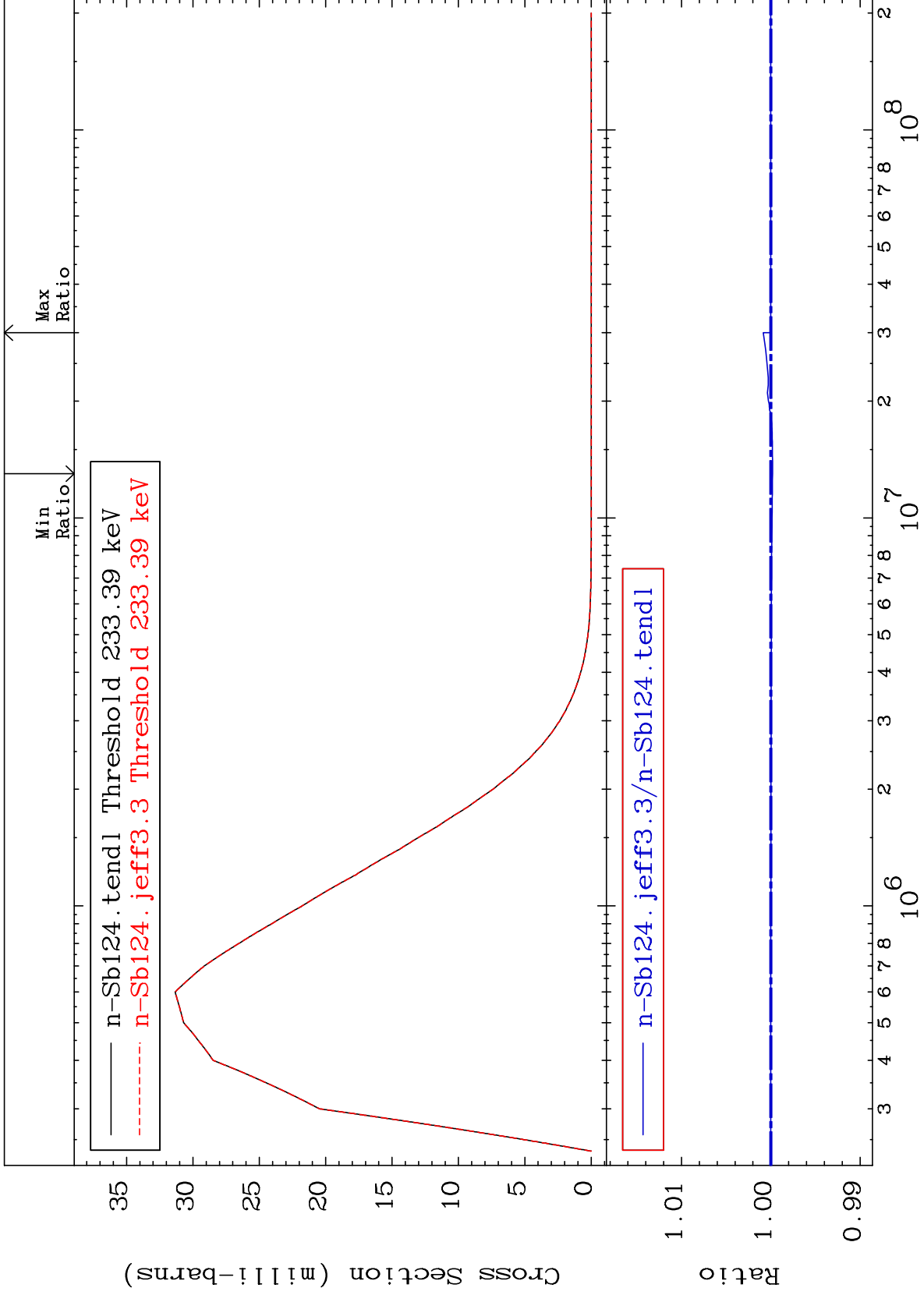
51-Sb-124
-0.019 To 0.084 %



MAT 5134

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

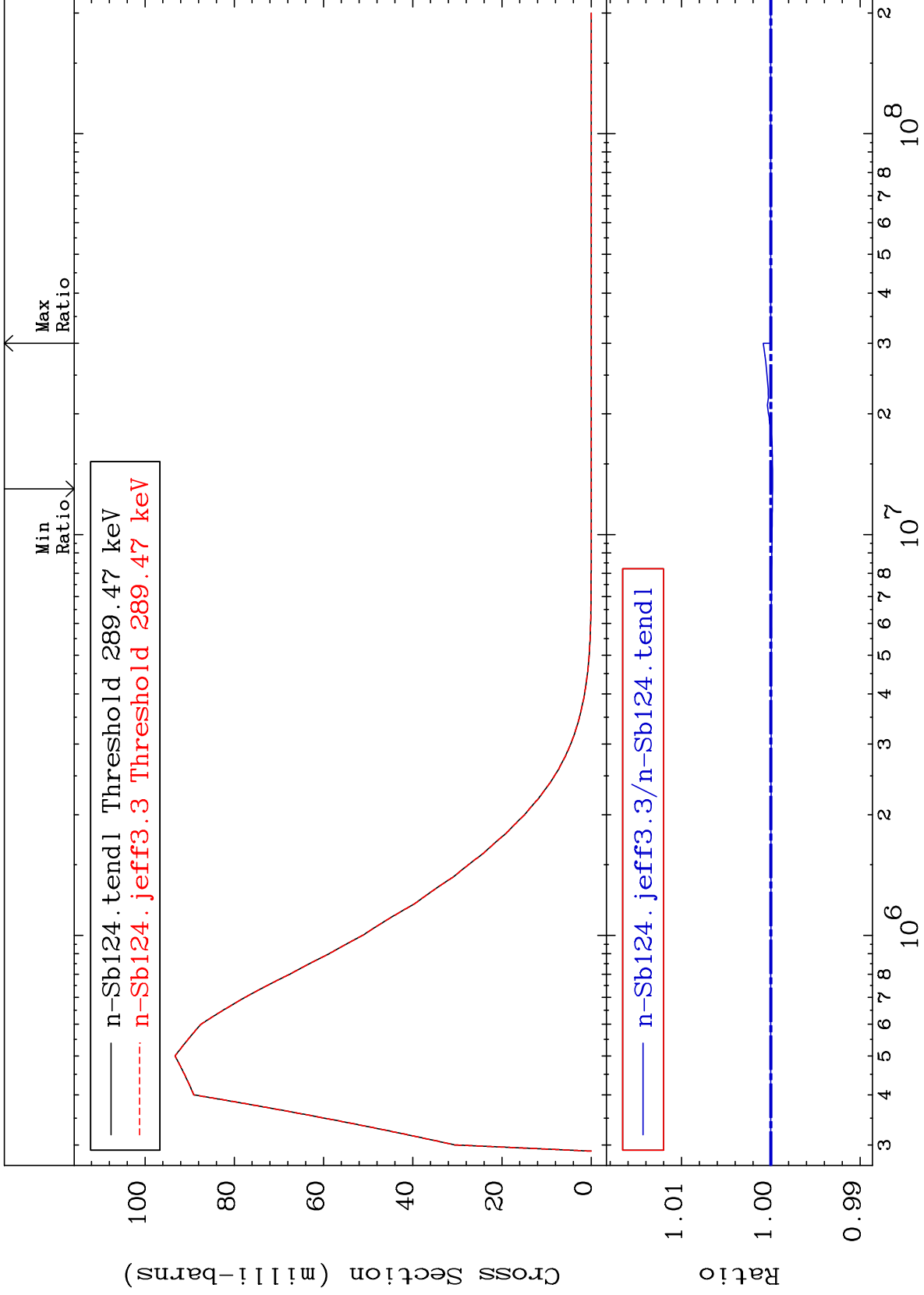
51-Sb-124
-0.020 To 0.084 %



MAT 5134

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

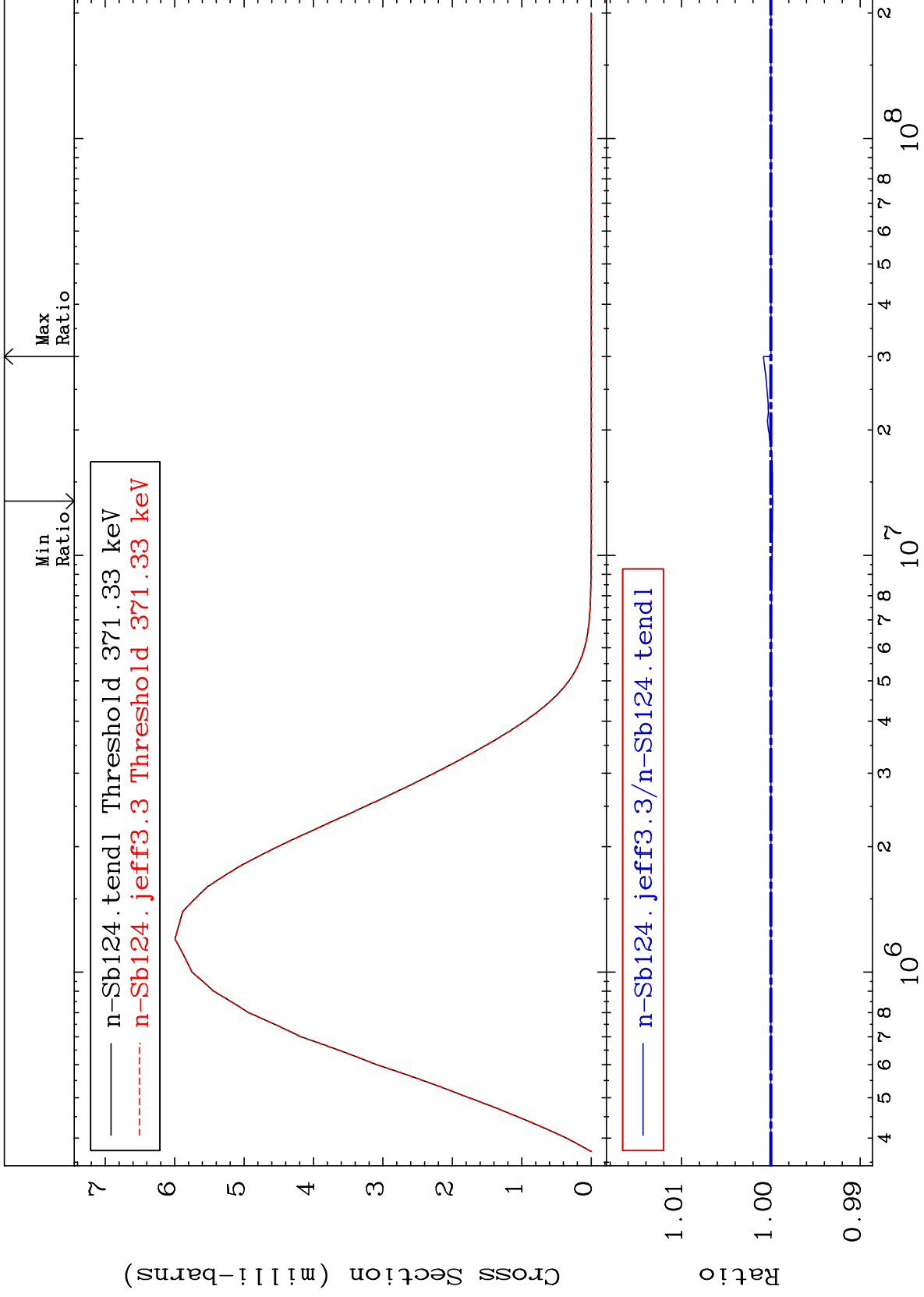
51-Sb-124
-0.019 To 0.084 %



MAT 5134

MT= 67 (n,n') Level
Cross Section

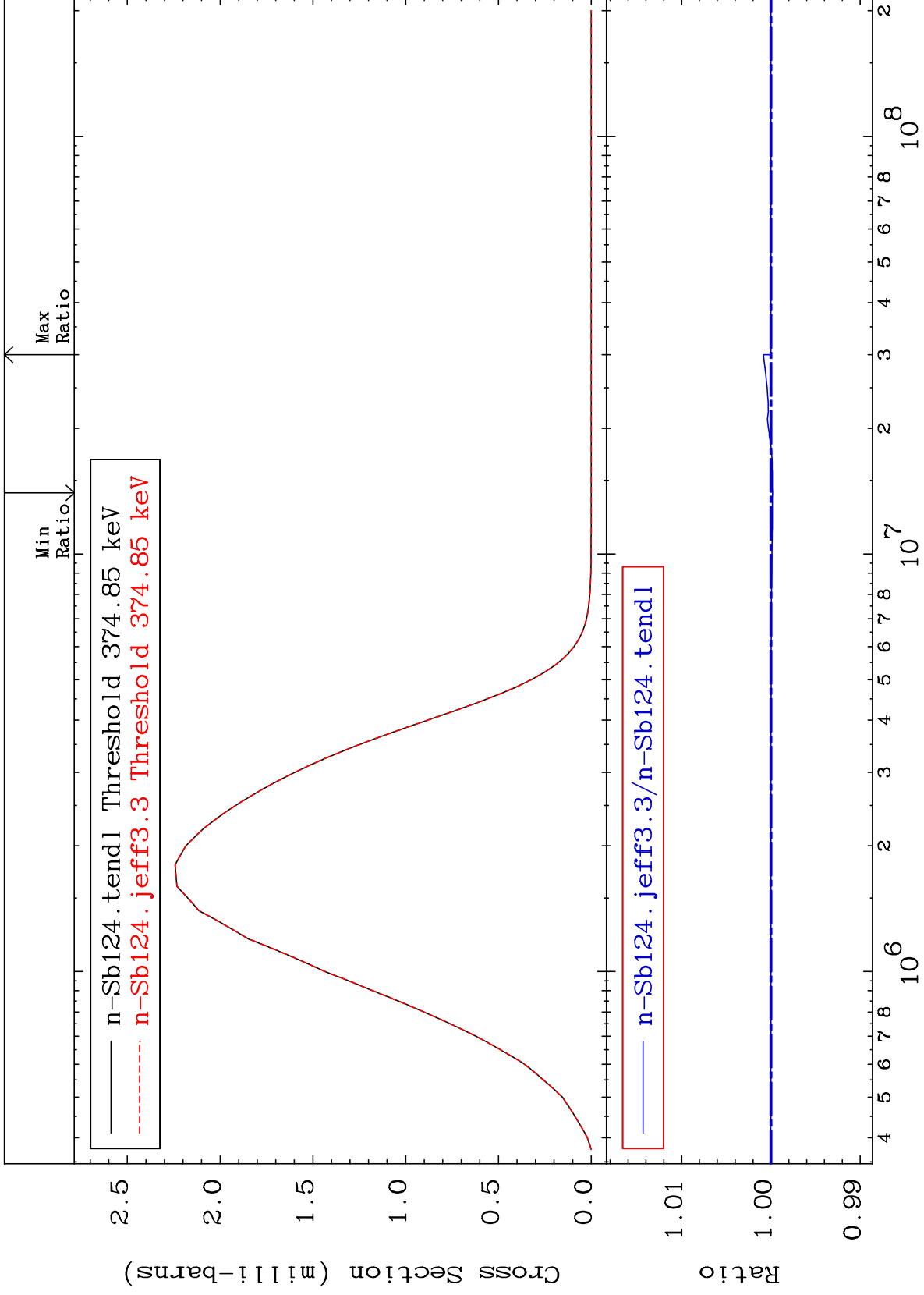
51-Sb-124
-0.018 To 0.084 %



MAT 5134

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

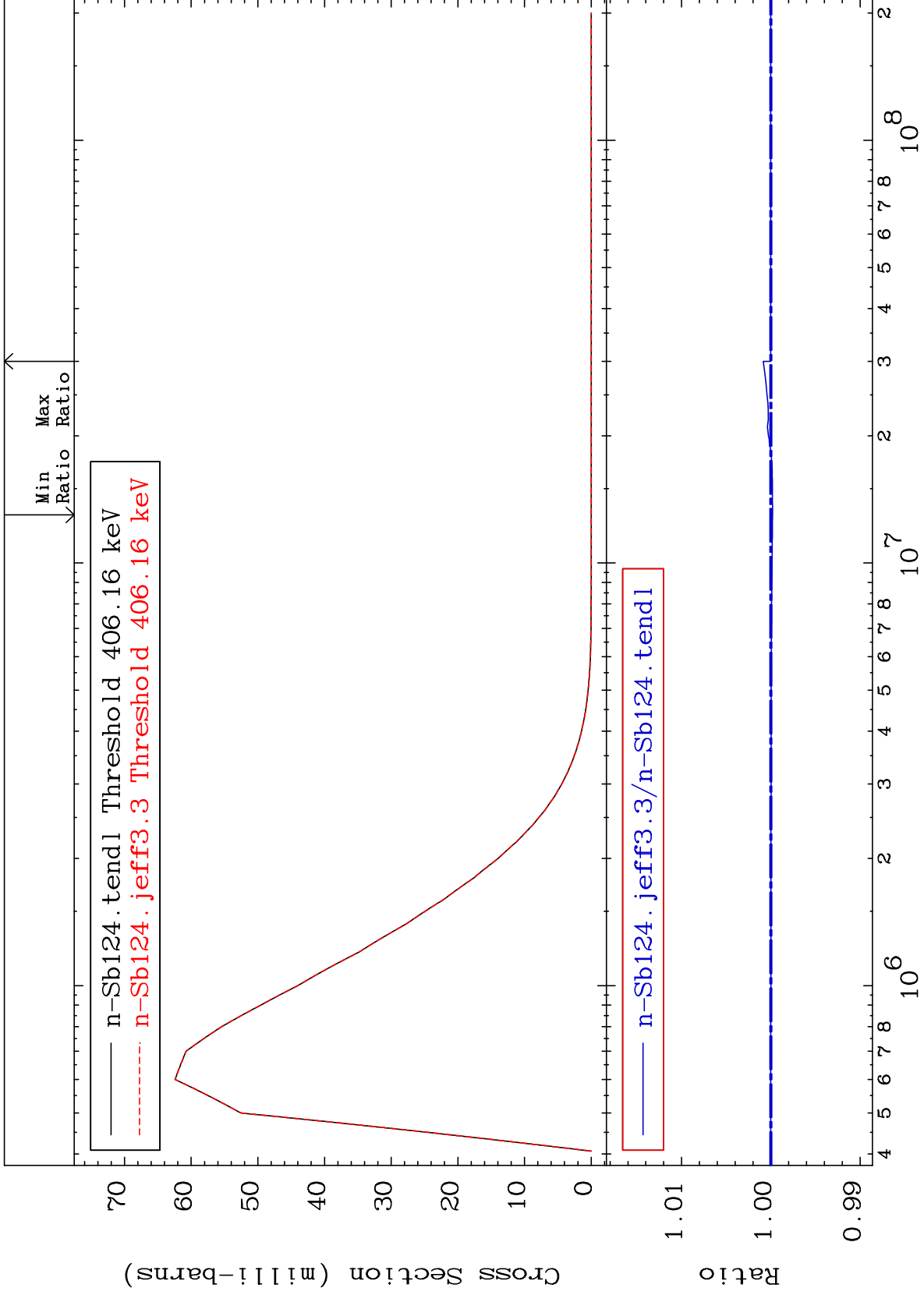
51-Sb-124
-0.018 To 0.084 %



MAT 5134

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

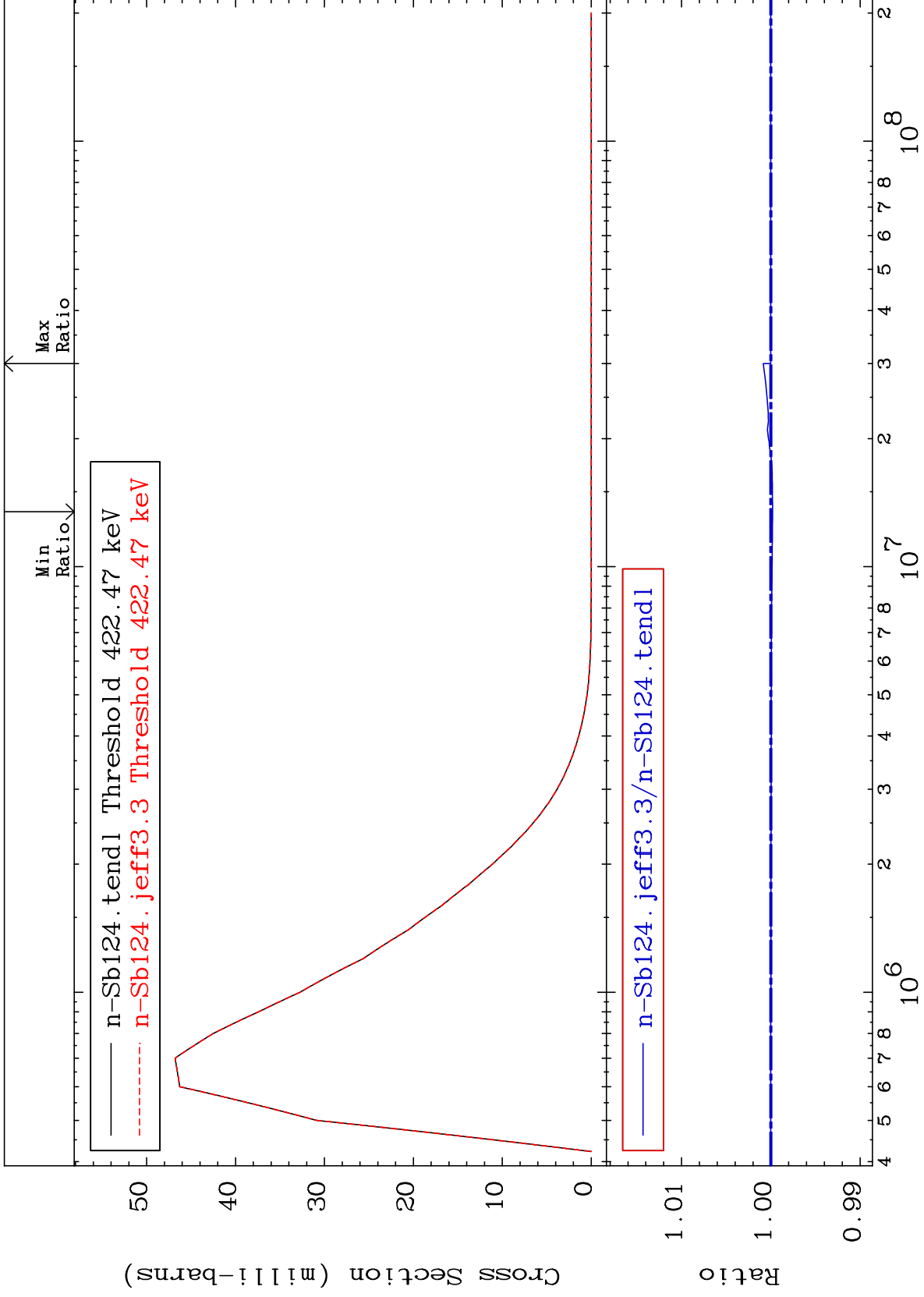
51-Sb-124
-0.019 To 0.084 %



MAT 5134

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

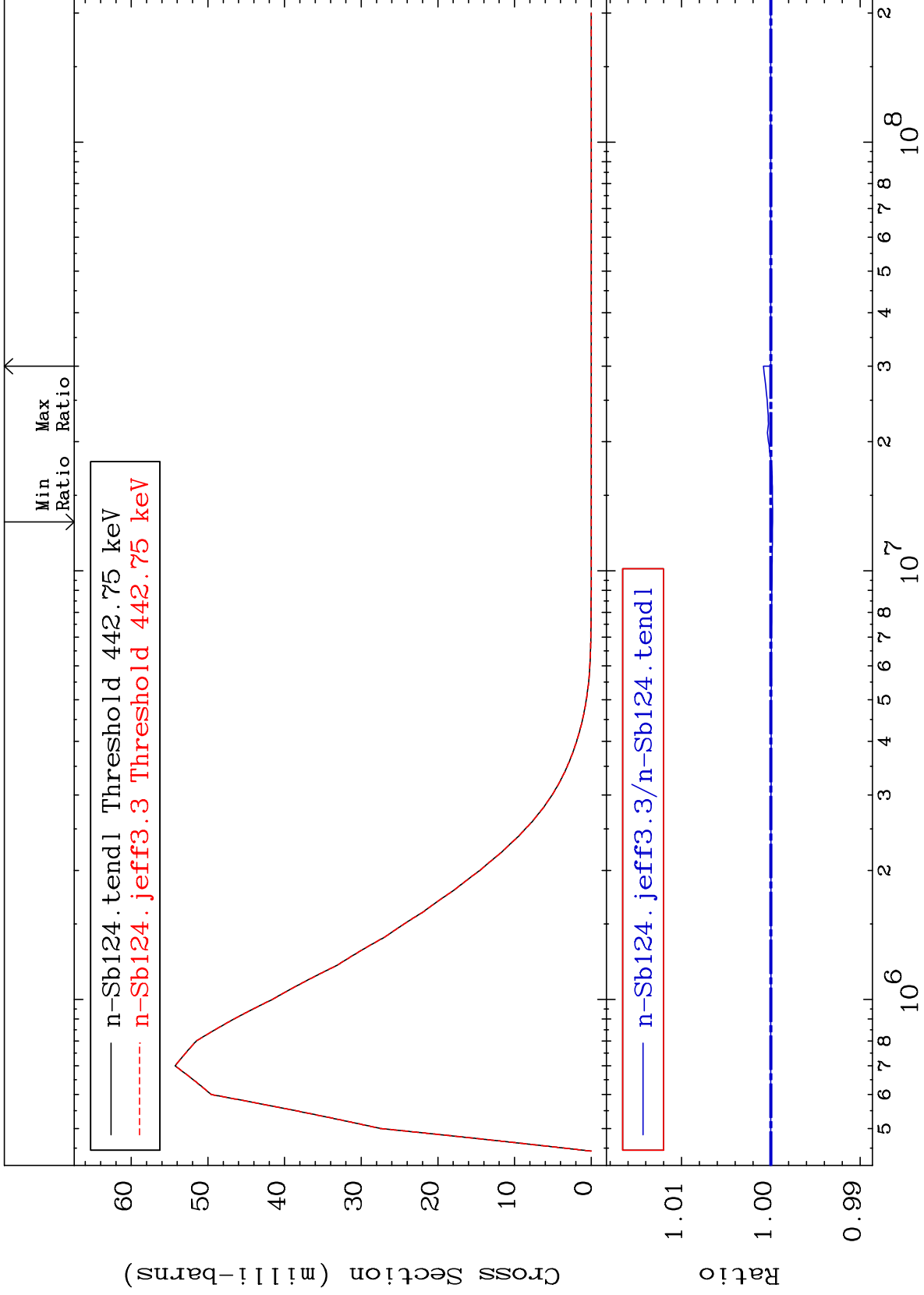
51-Sb-124
-0.020 To 0.084 %



MAT 5134

MT= 73 (n,n') Level
Cross Section

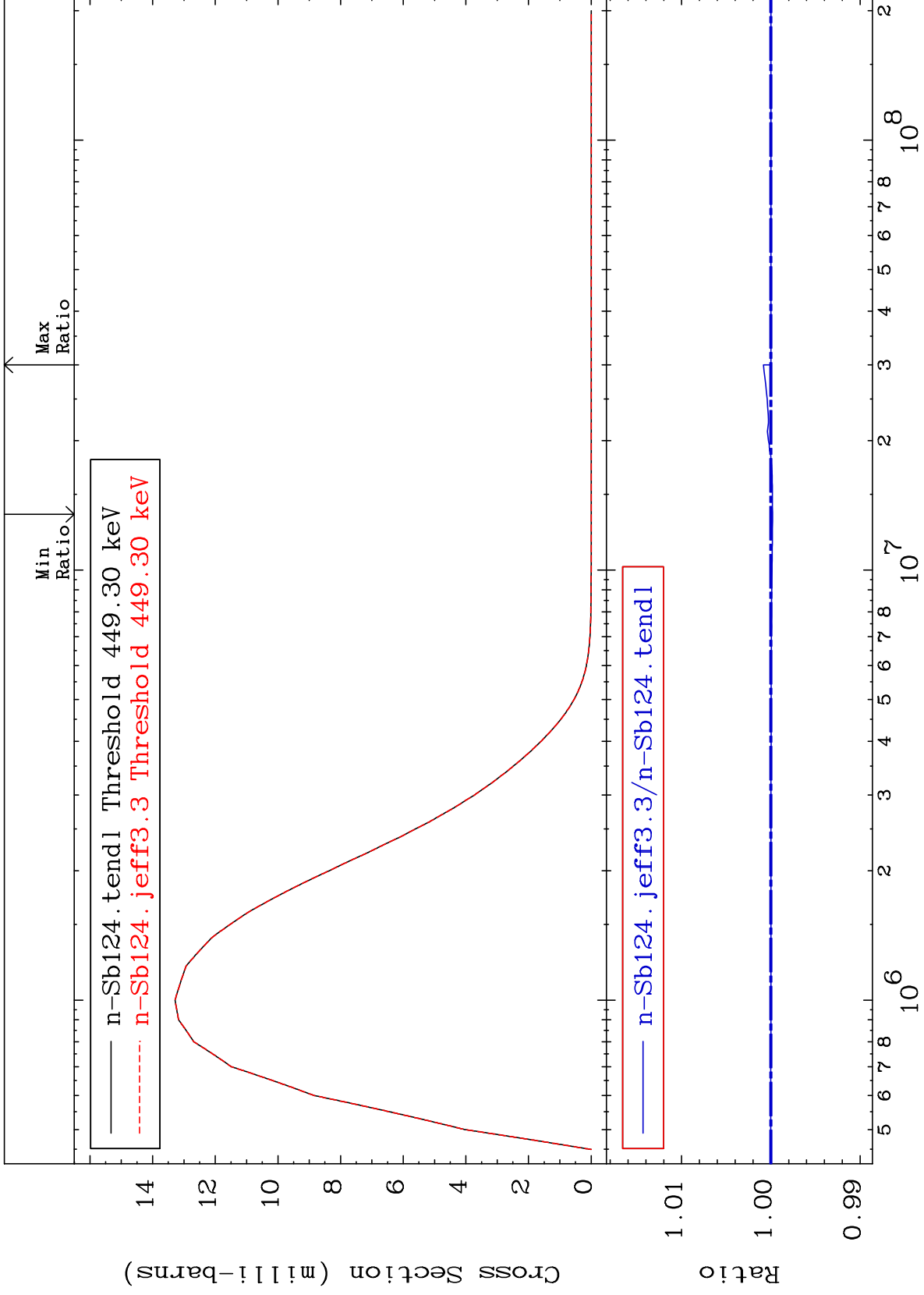
51-Sb-124
-0.019 To 0.084 %



MAT 5134

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

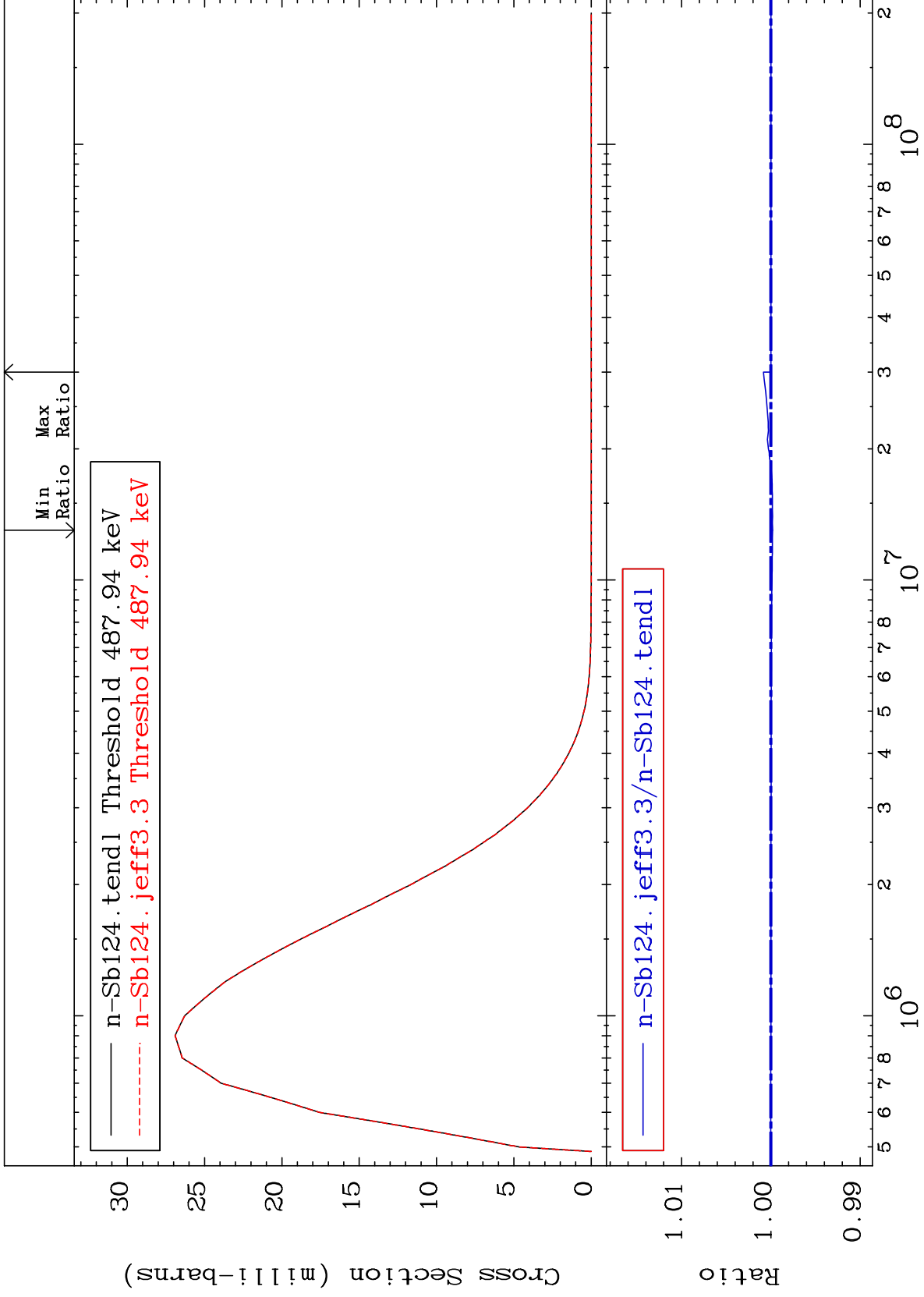
51-Sb-124
-0.019 To 0.084 %



MAT 5134

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

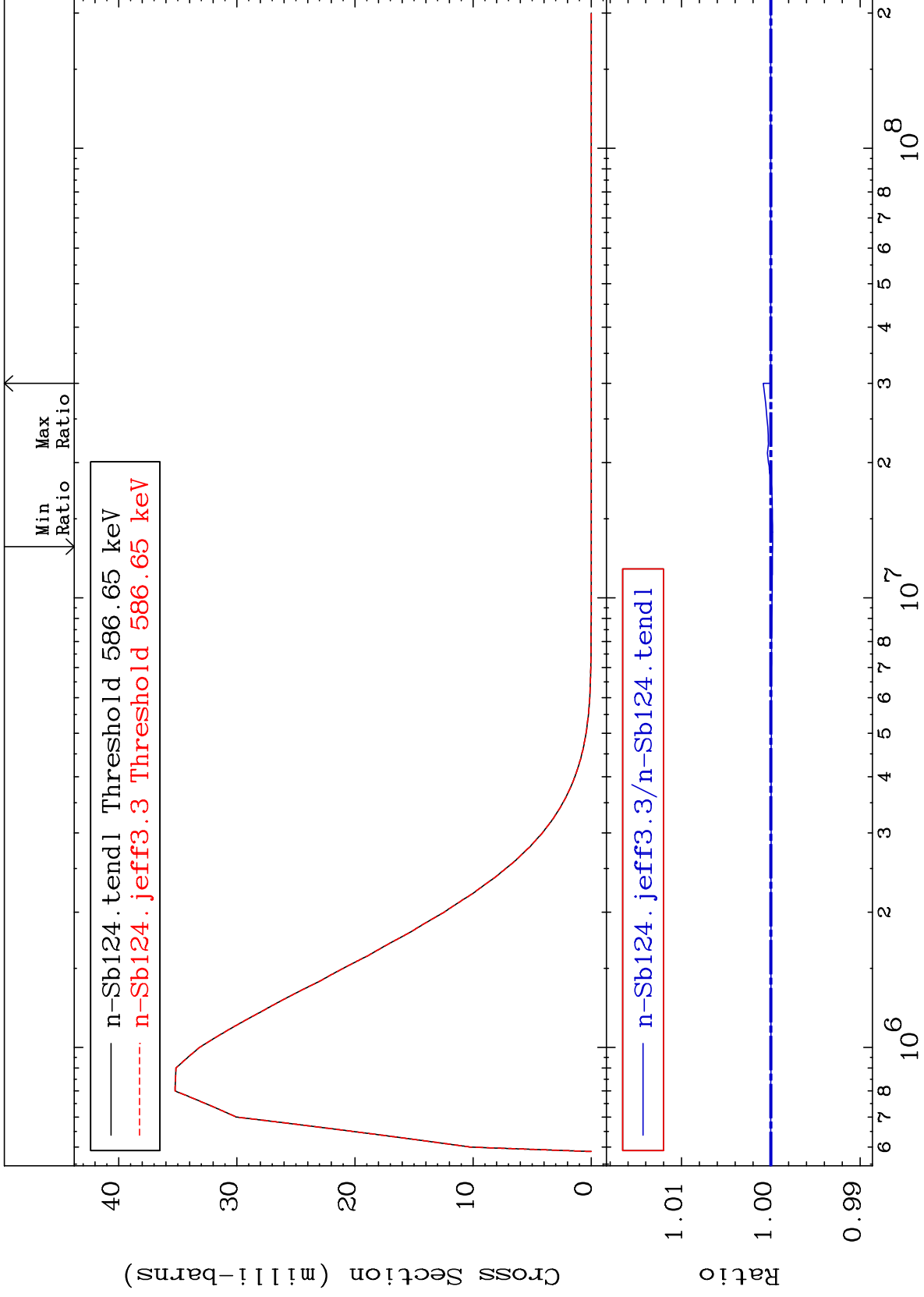
51-Sb-124
-0.019 To 0.084 %



MAT 5134

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

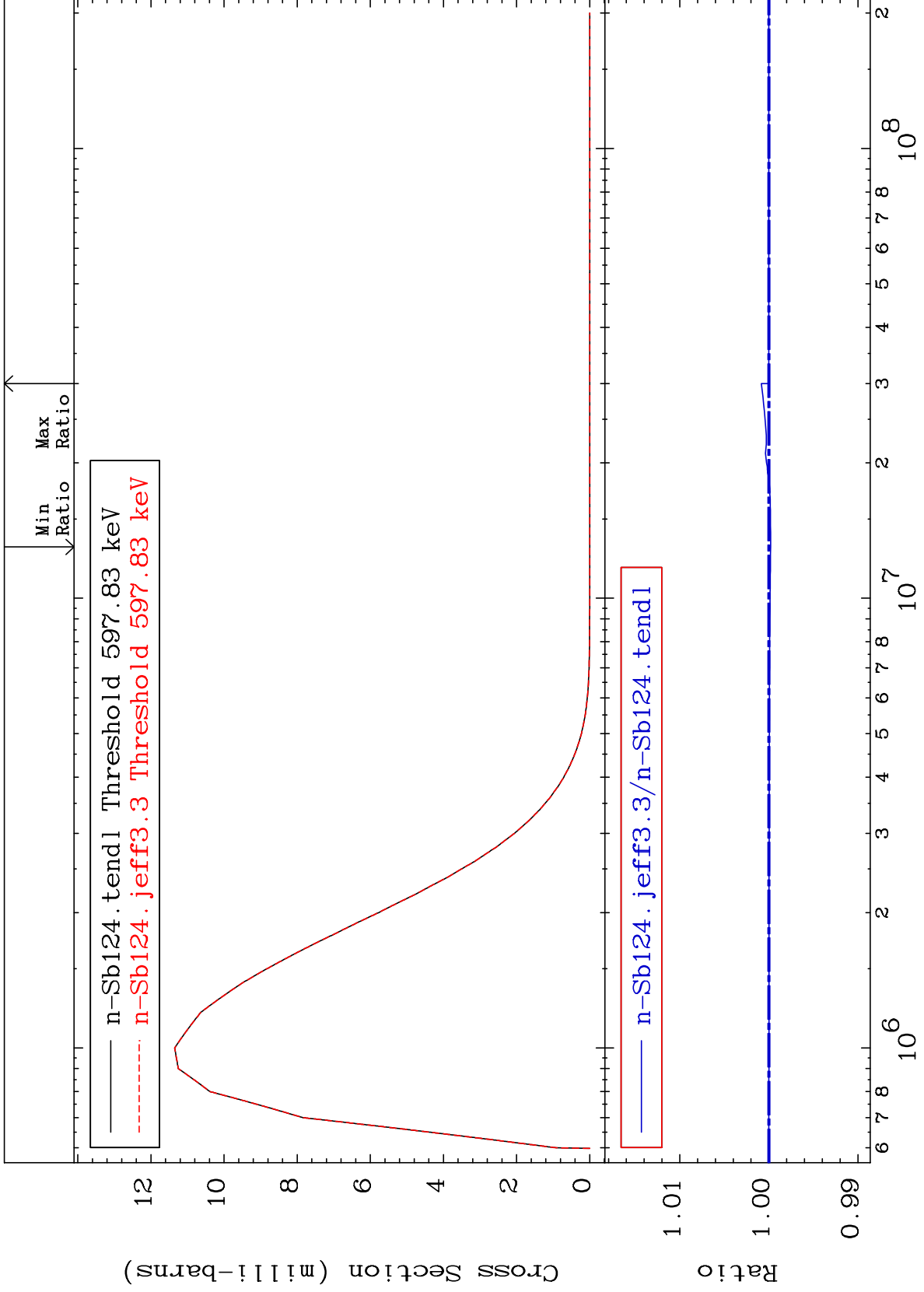
51-Sb-124
-0.019 To 0.084 %

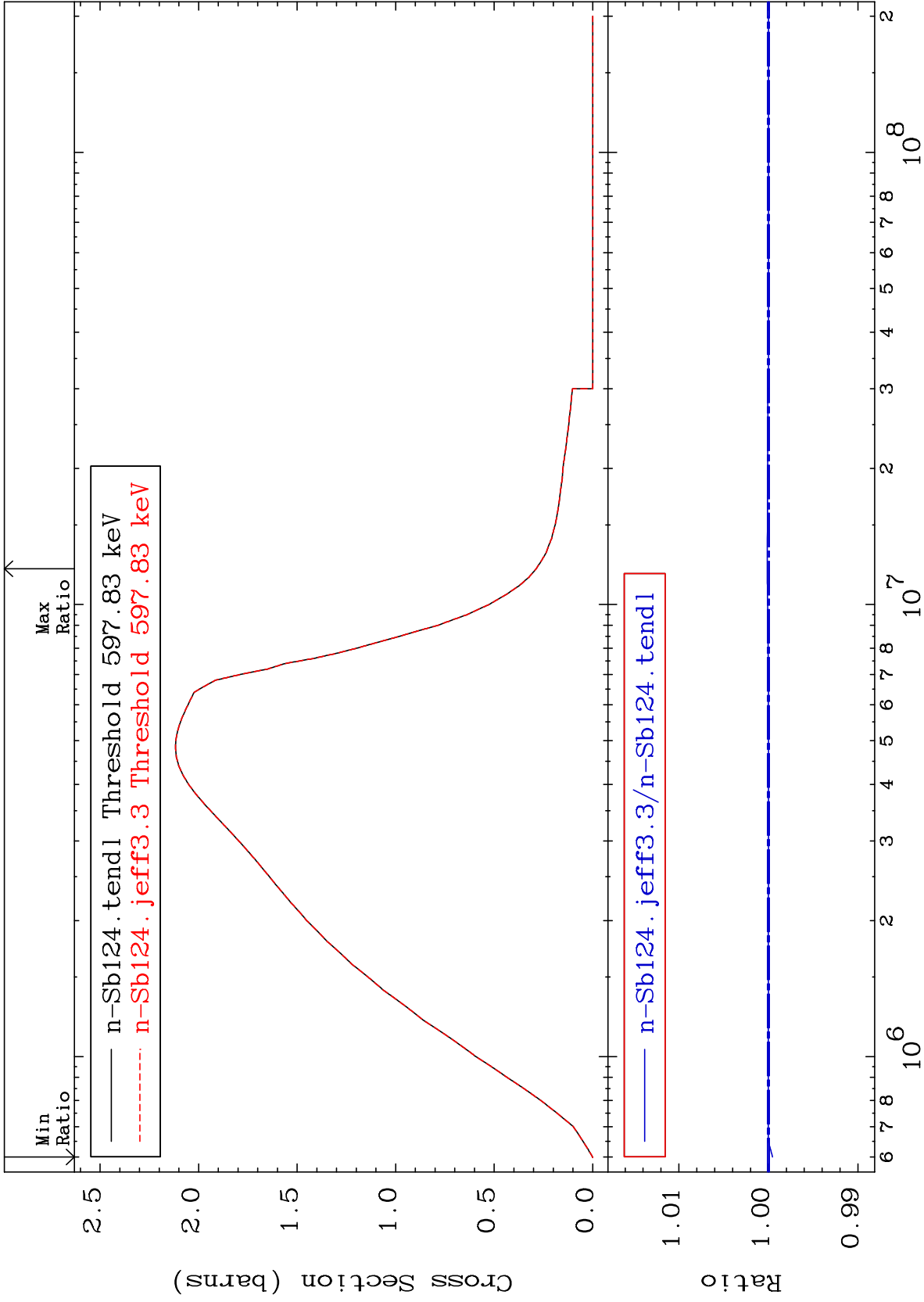


MAT 5134

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

51-Sb-124
-0.020 To 0.084 %



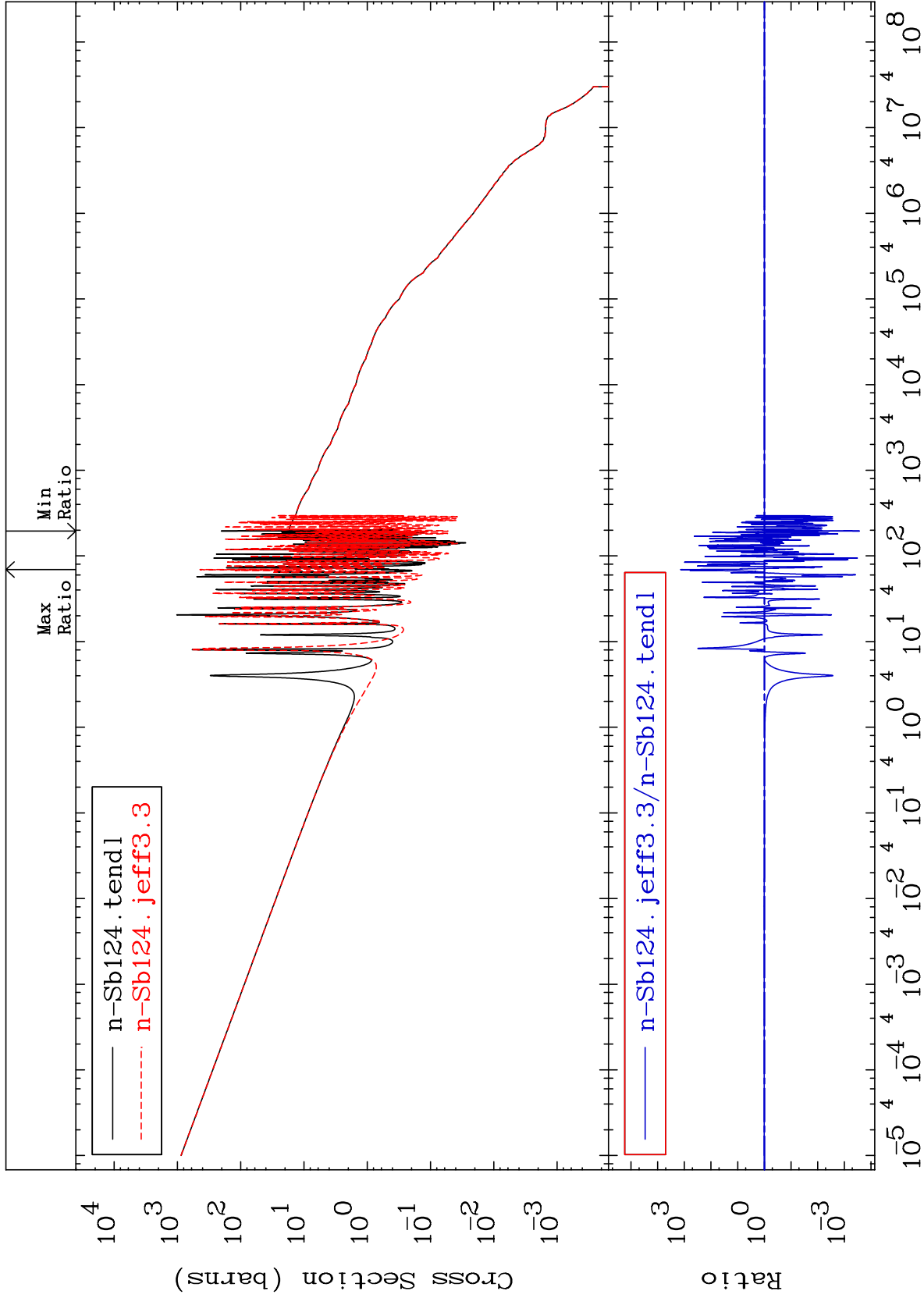


MAT 5134

51-Sb-124

(n, γ)
-99.97 To 9999. %

Cross Section



40

51-Sb-124

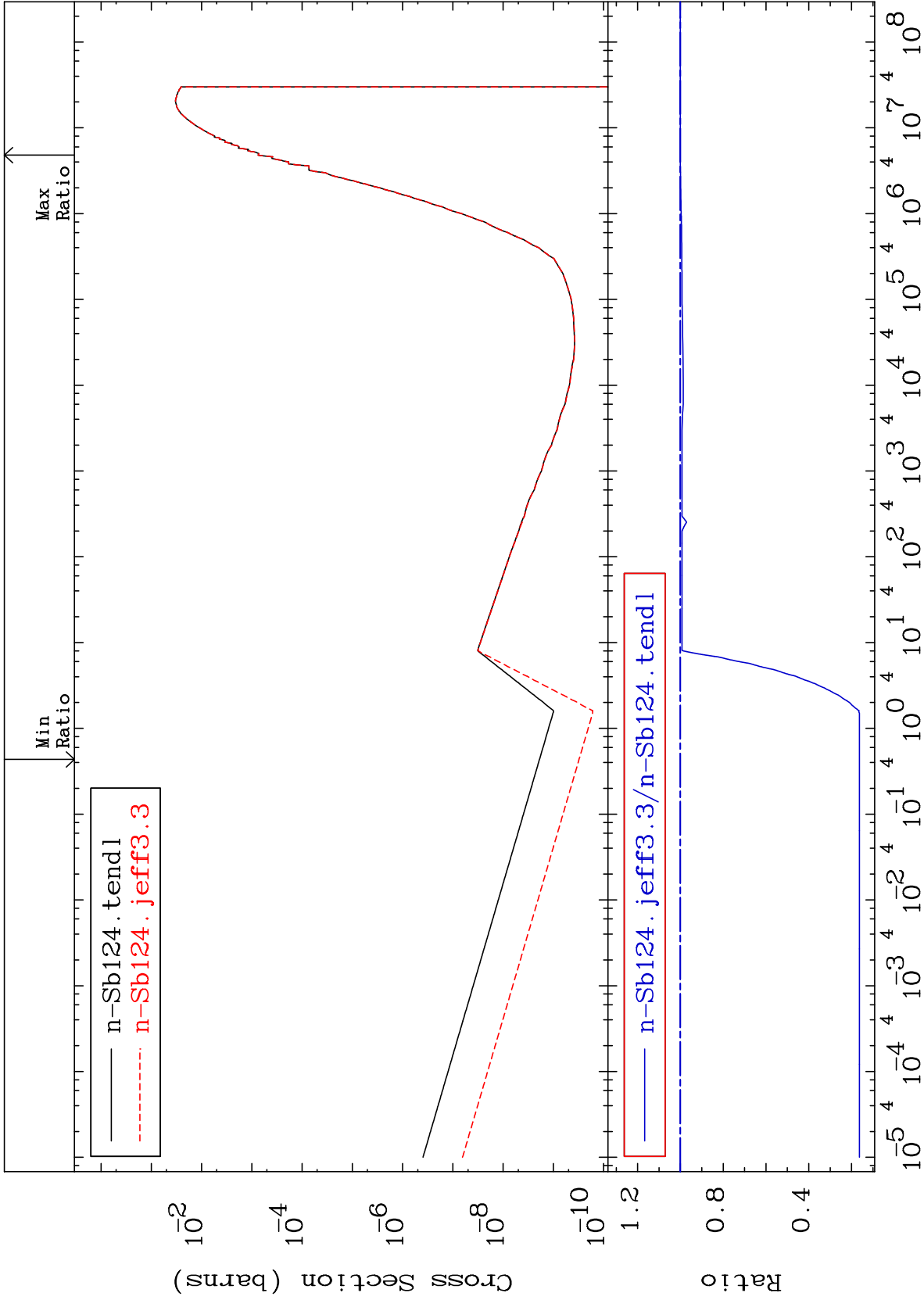
MAT 5134

(n,p)

51-Sb-124

Cross Section

-83.69 To 0.014 %



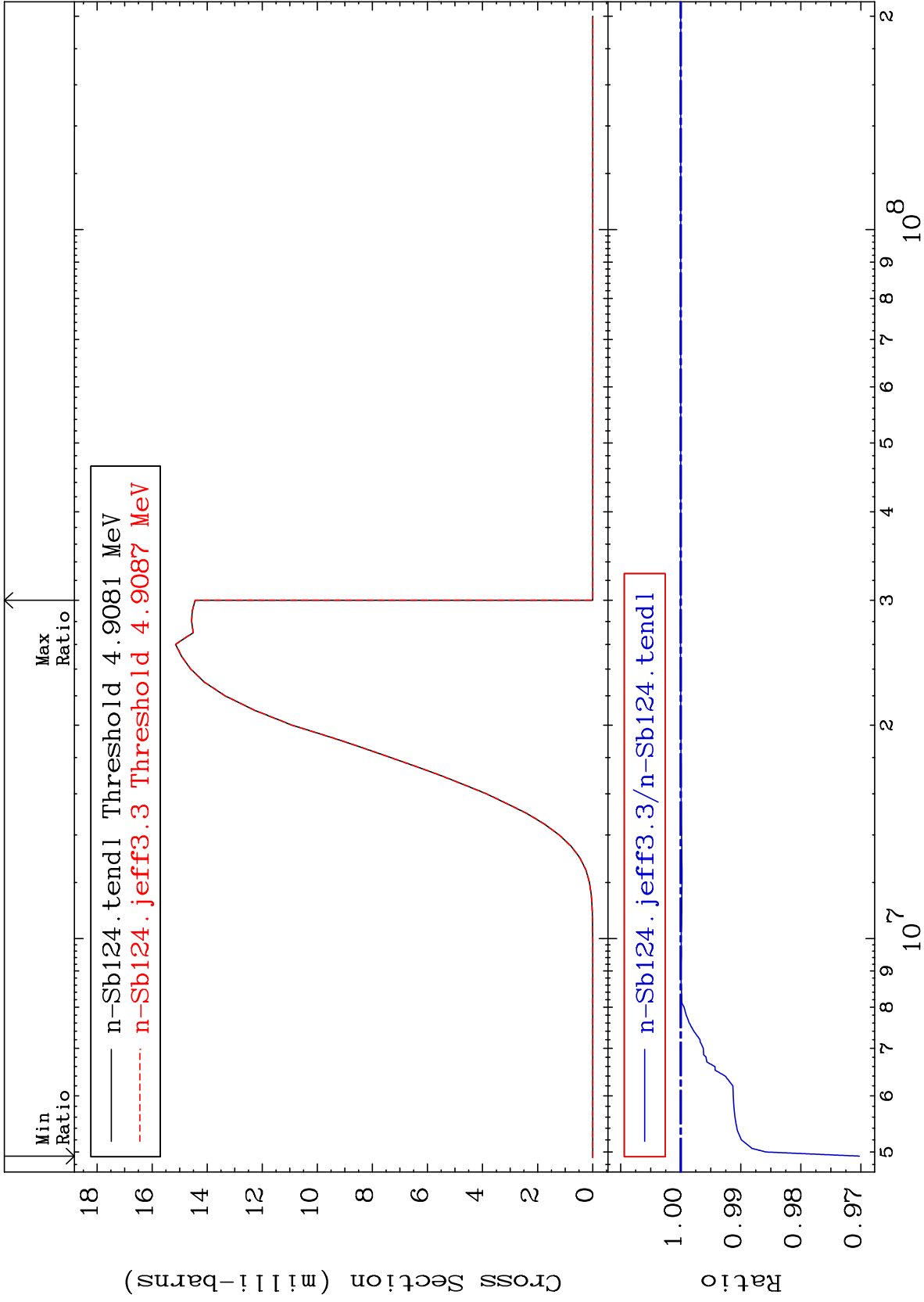
MAT 5134

(n, d)

51-Sb-124

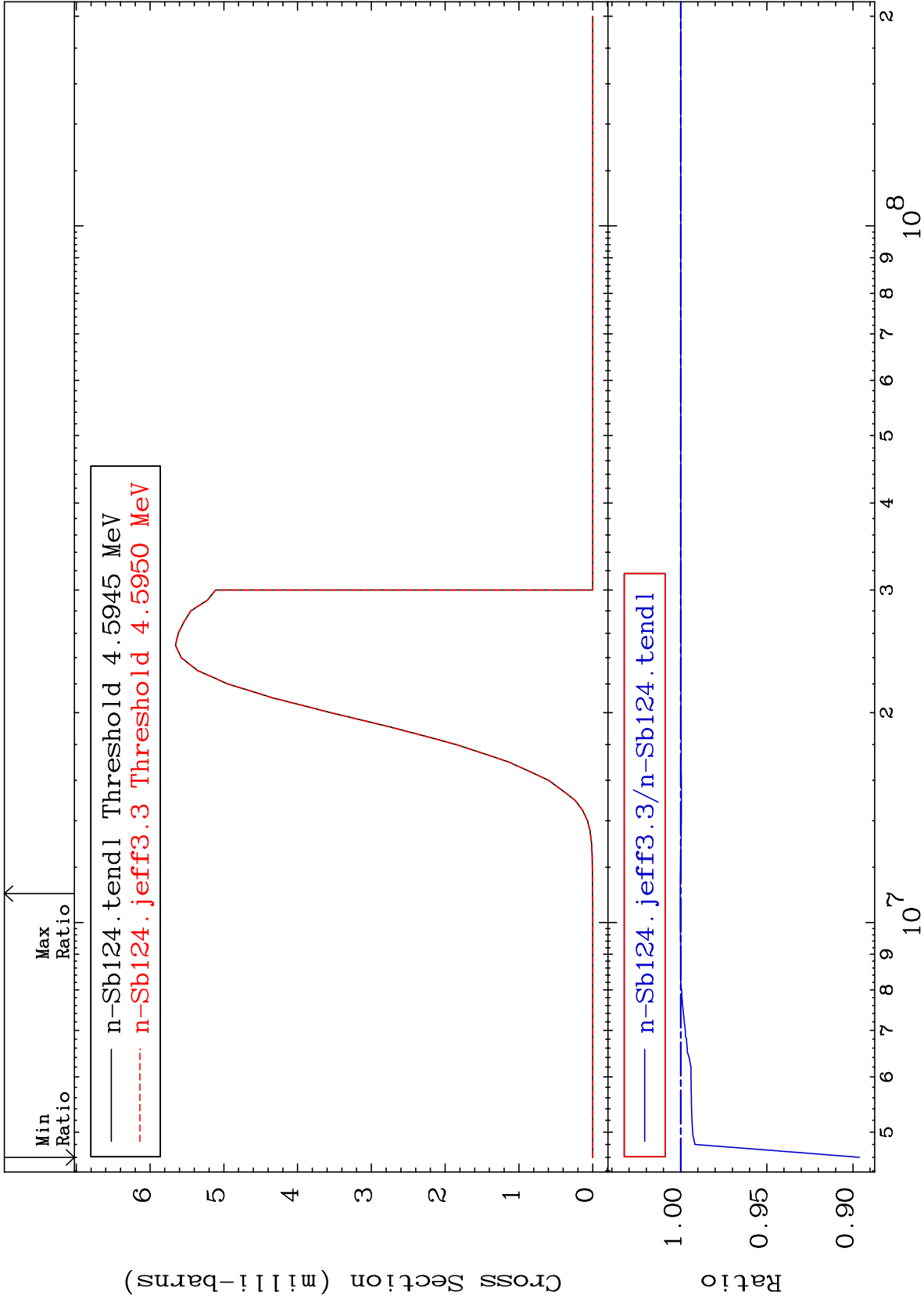
Cross Section

-2.975 To 0.007 %



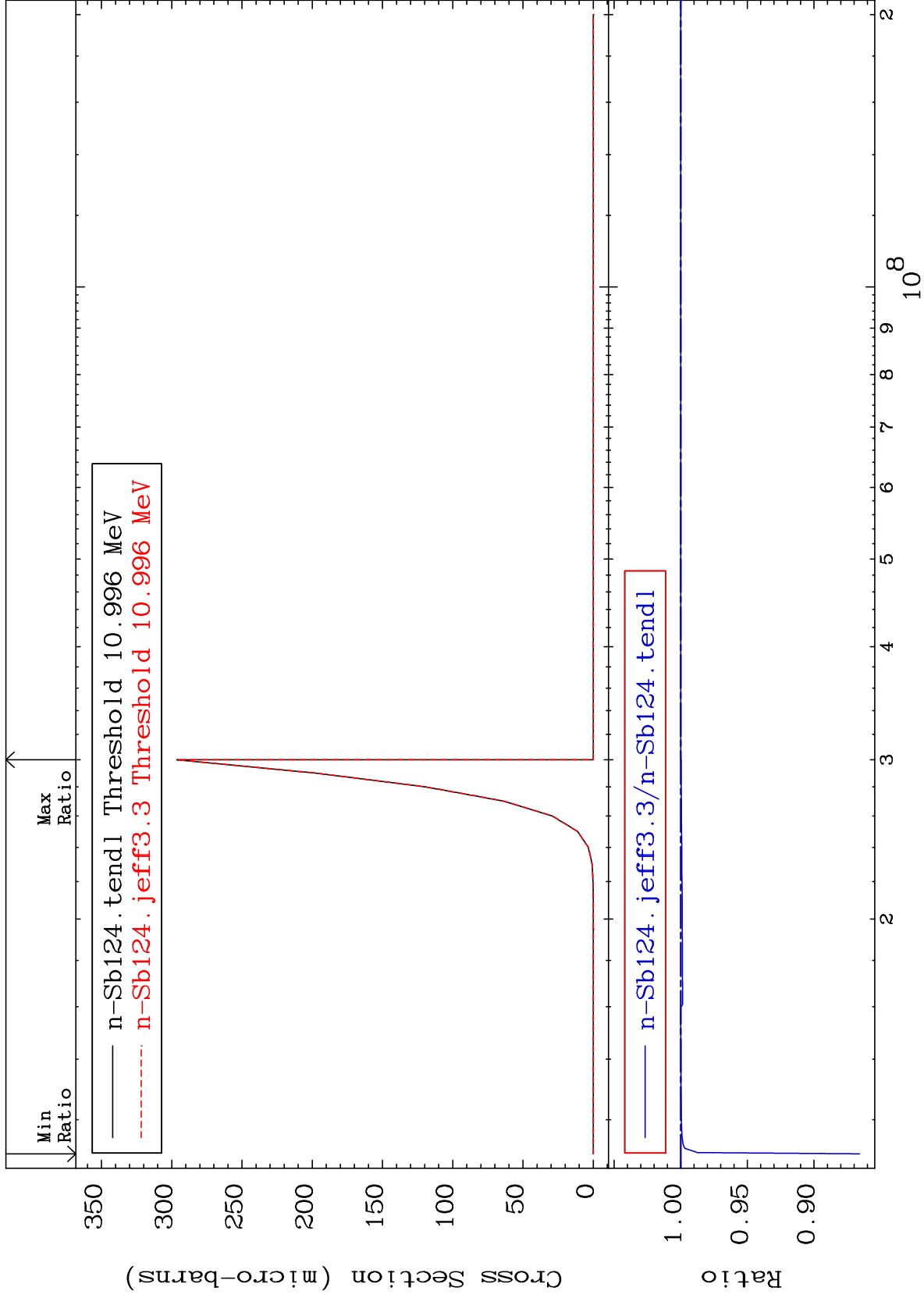
Cross Section

-10.38 To 0.020 %



Cross Section

-13.41 To 0.000 %



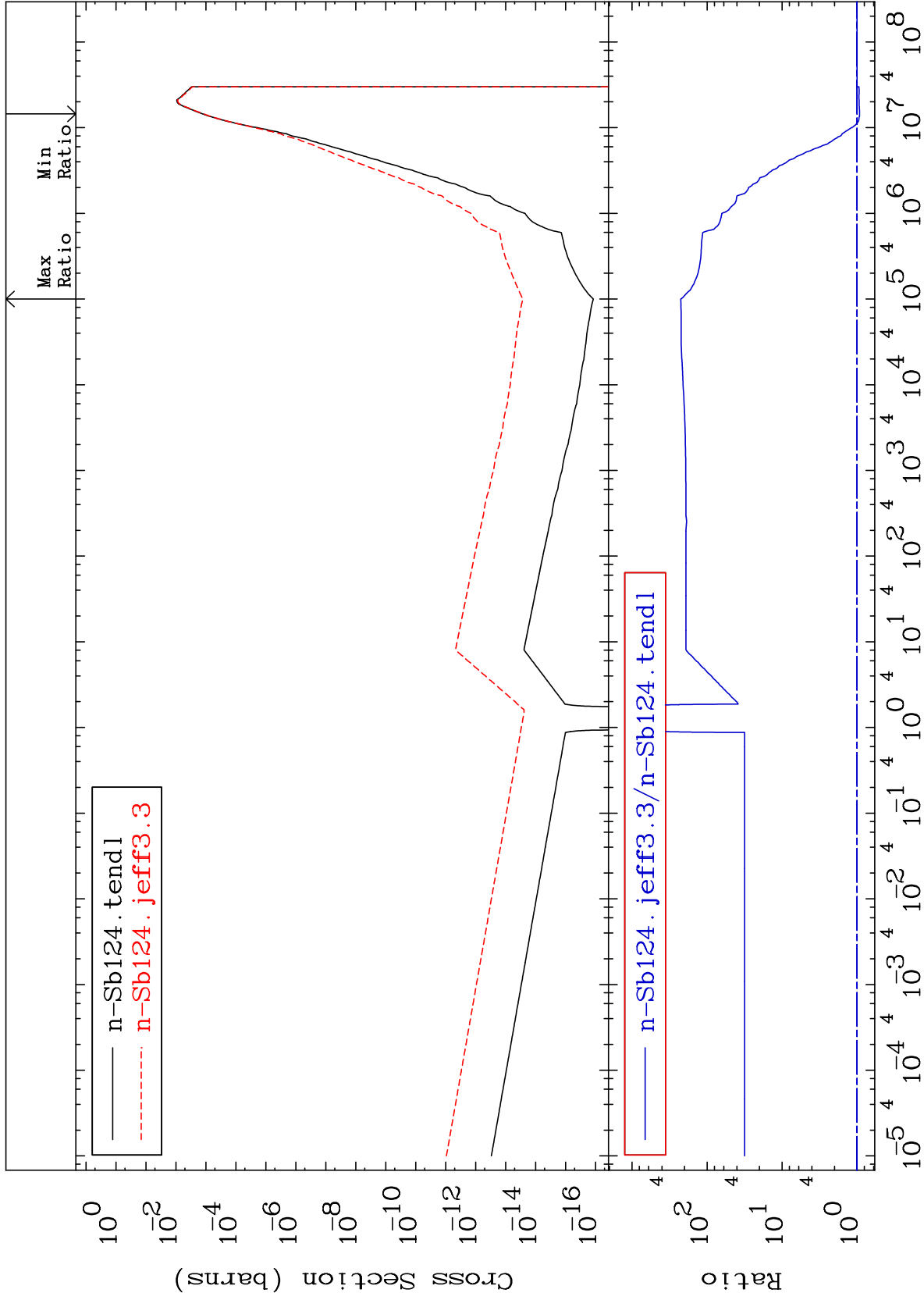
MAT 5134

(n, α)

51-Sb-124

Cross Section

-7.321 To 9999. %



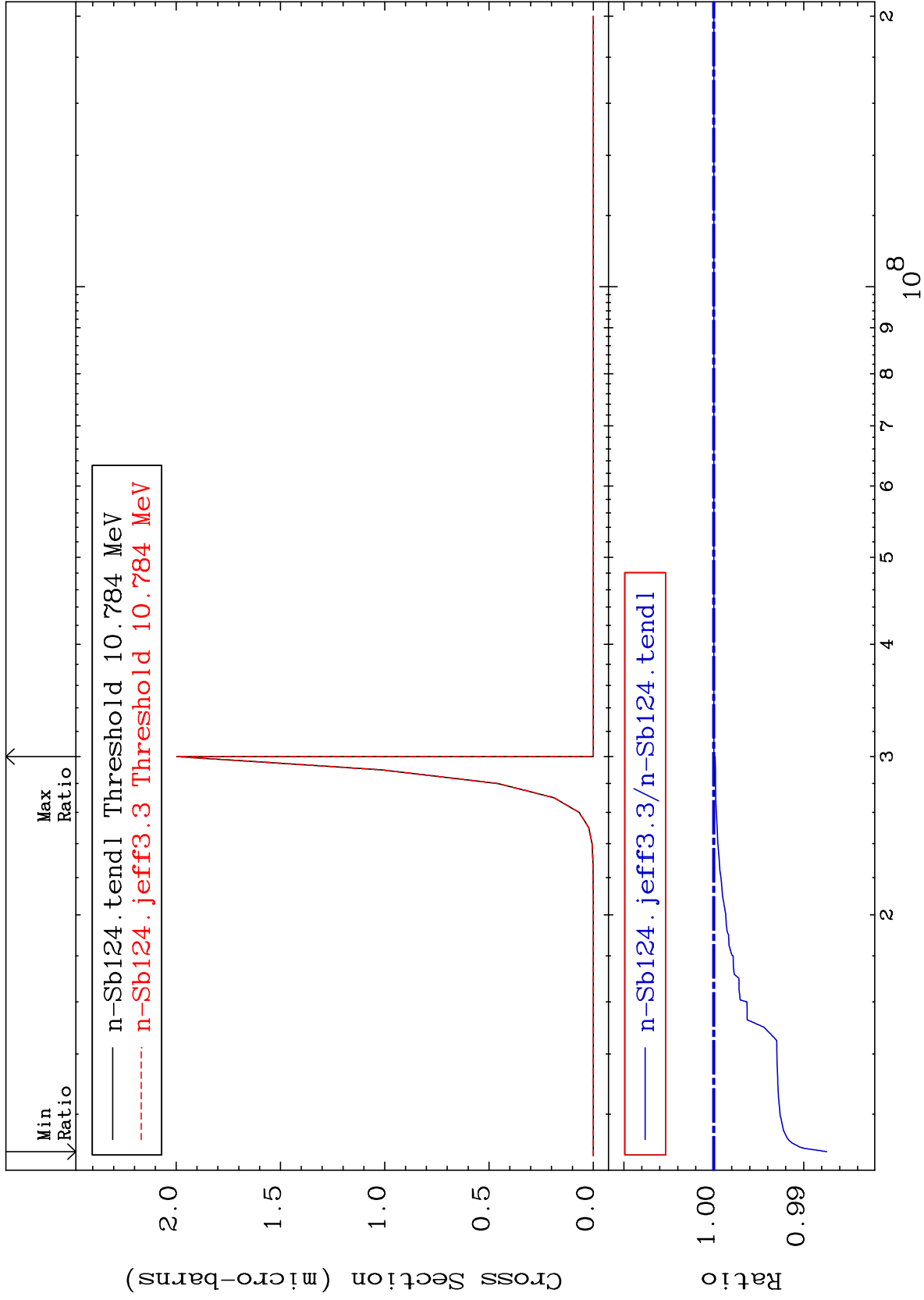
45

Incident Energy (eV)

51-Sb-124

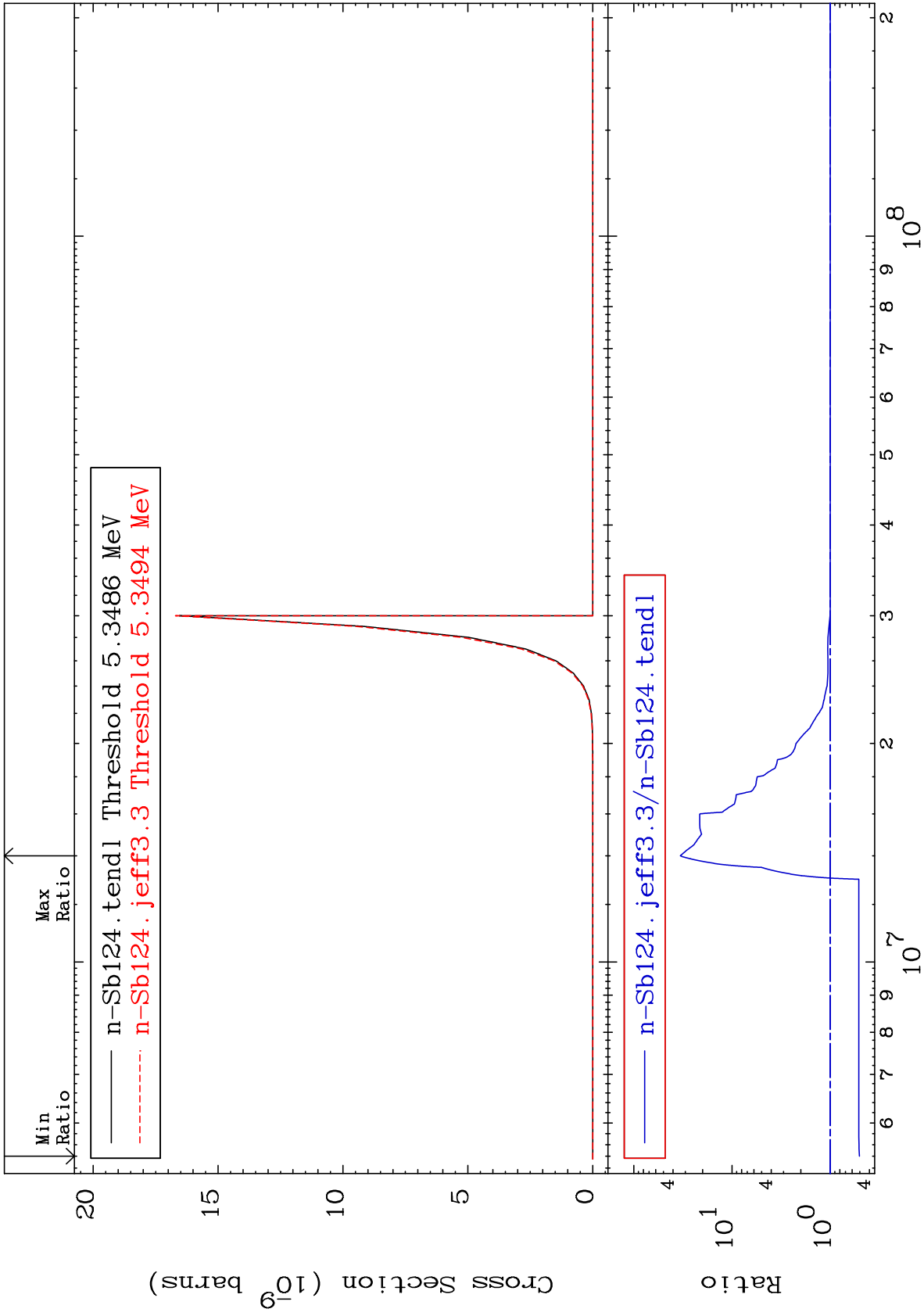
Cross Section

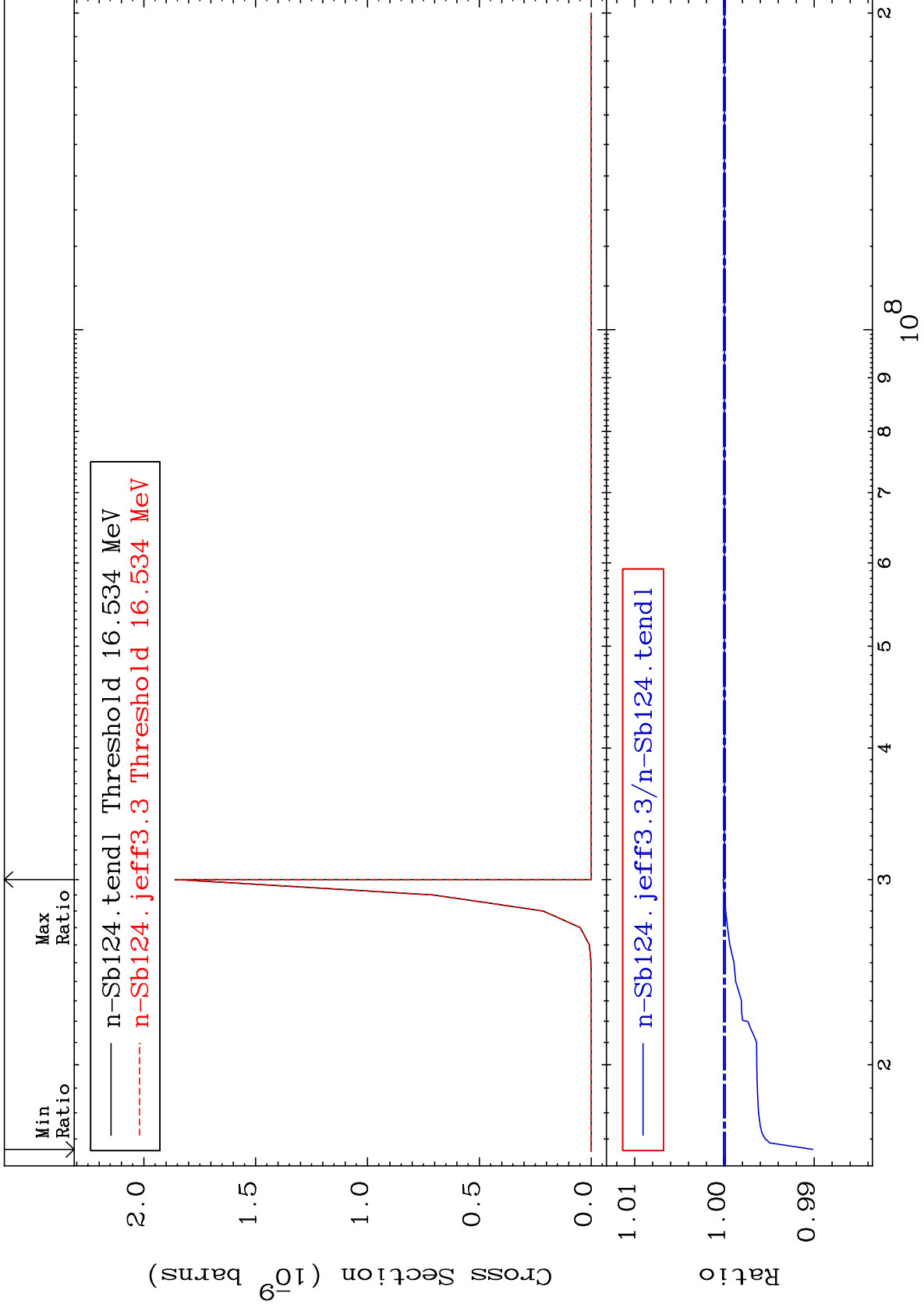
-1.254 To 0.000 %



Cross Section

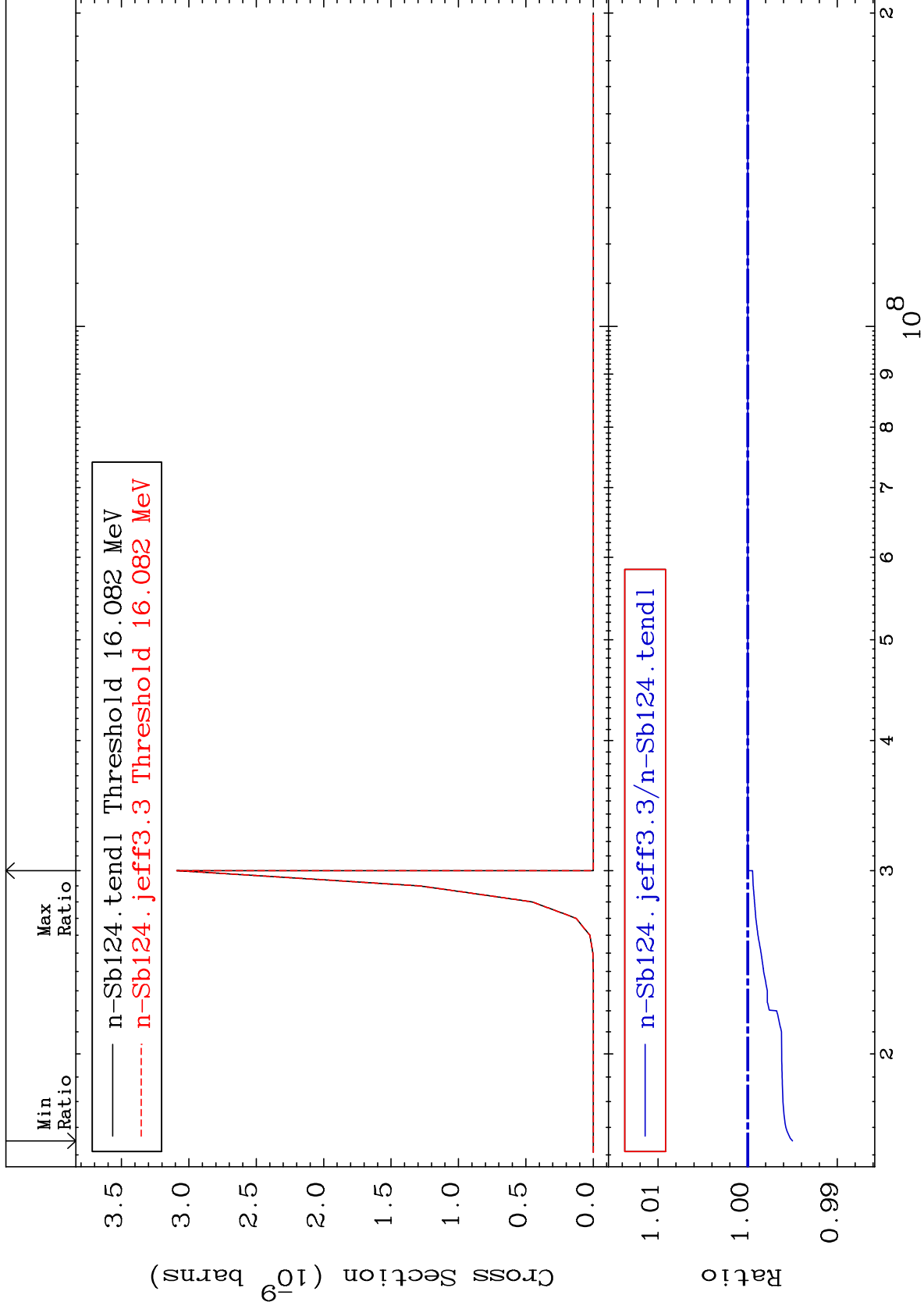
-49.49 To 3263. %





Cross Section

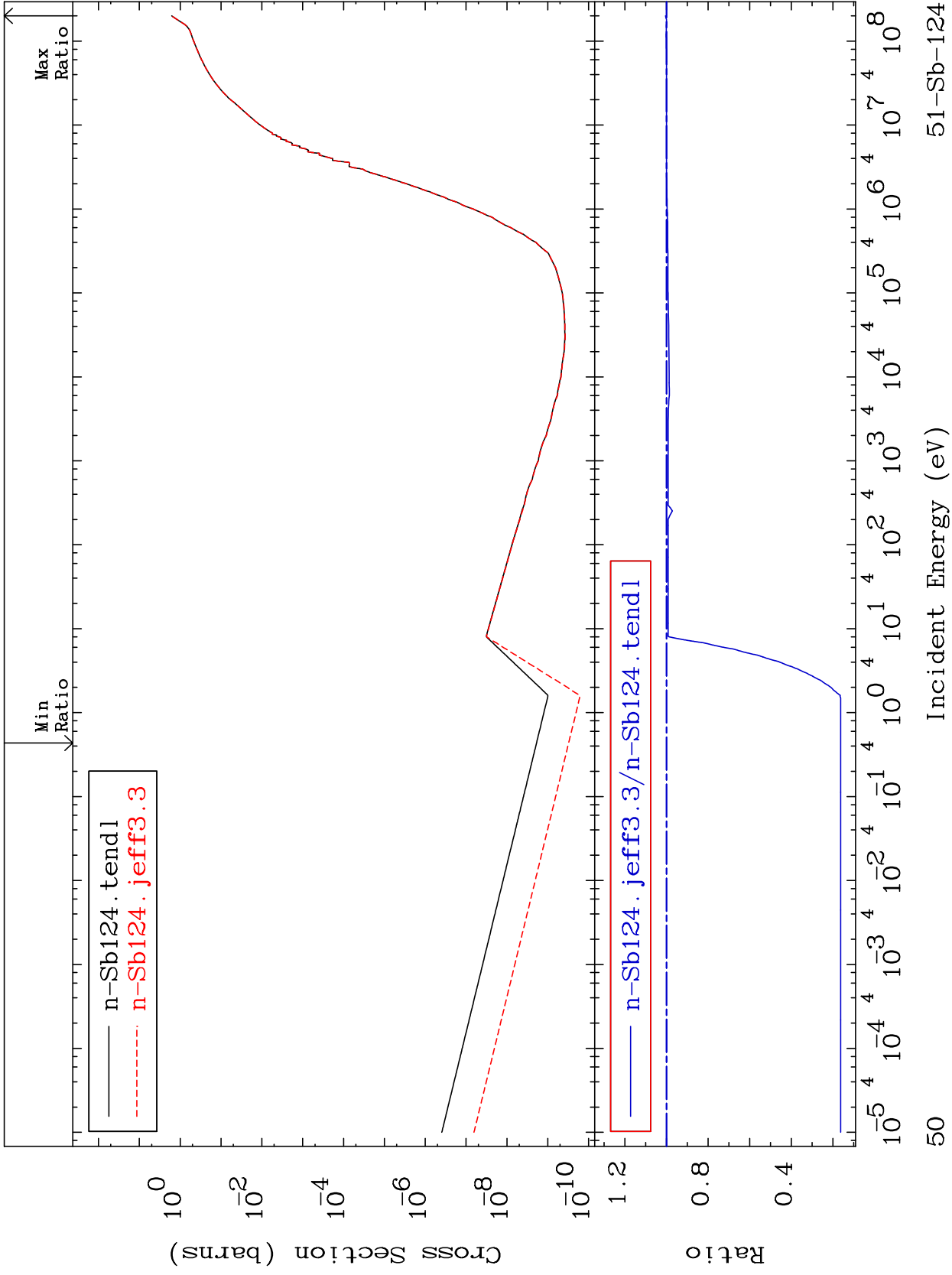
-0.501 To 0.000 %



MAT 5134

Hydrogen Production
Cross Section

51-Sb-124
-83.69 To 0.460 %



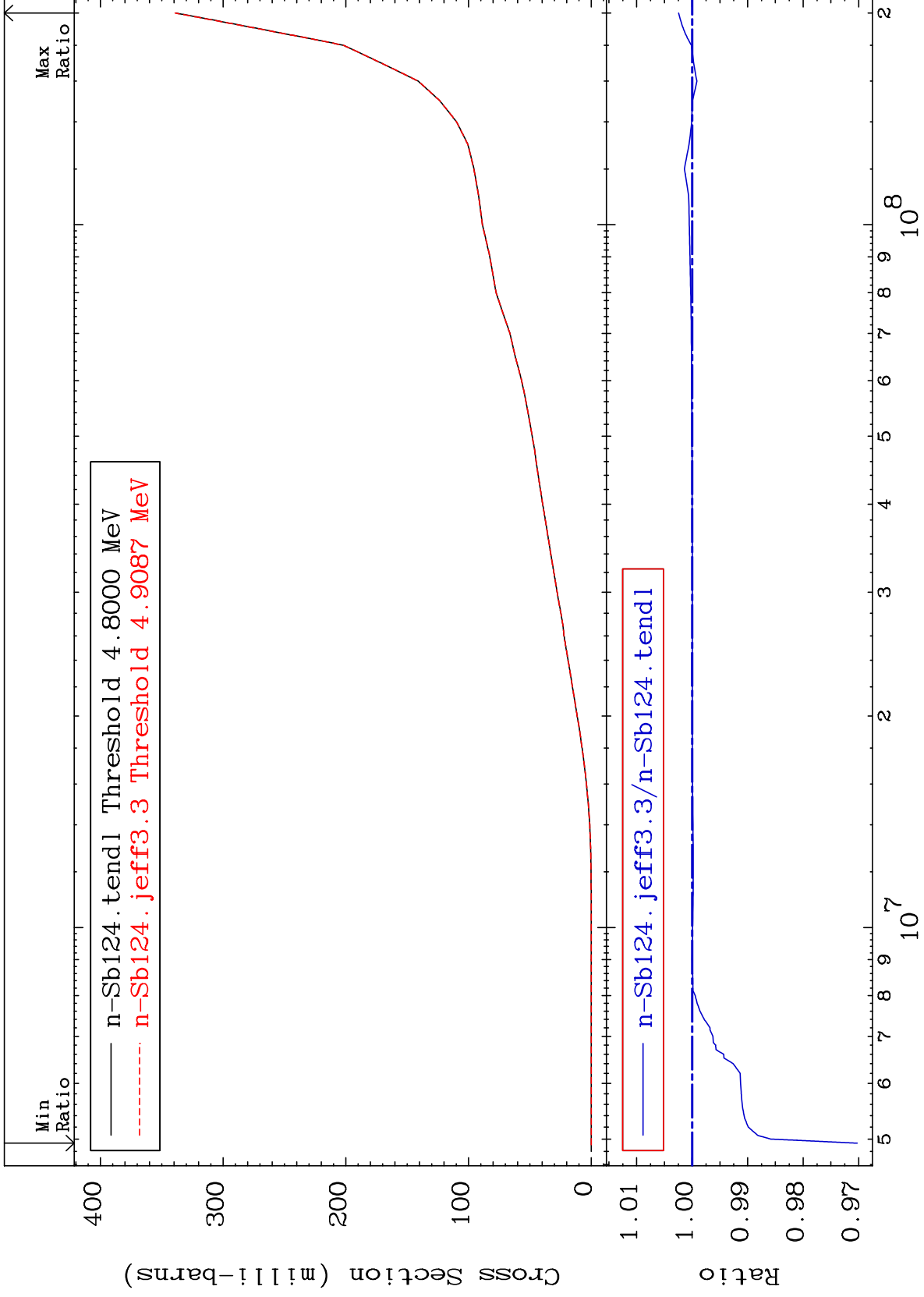
50

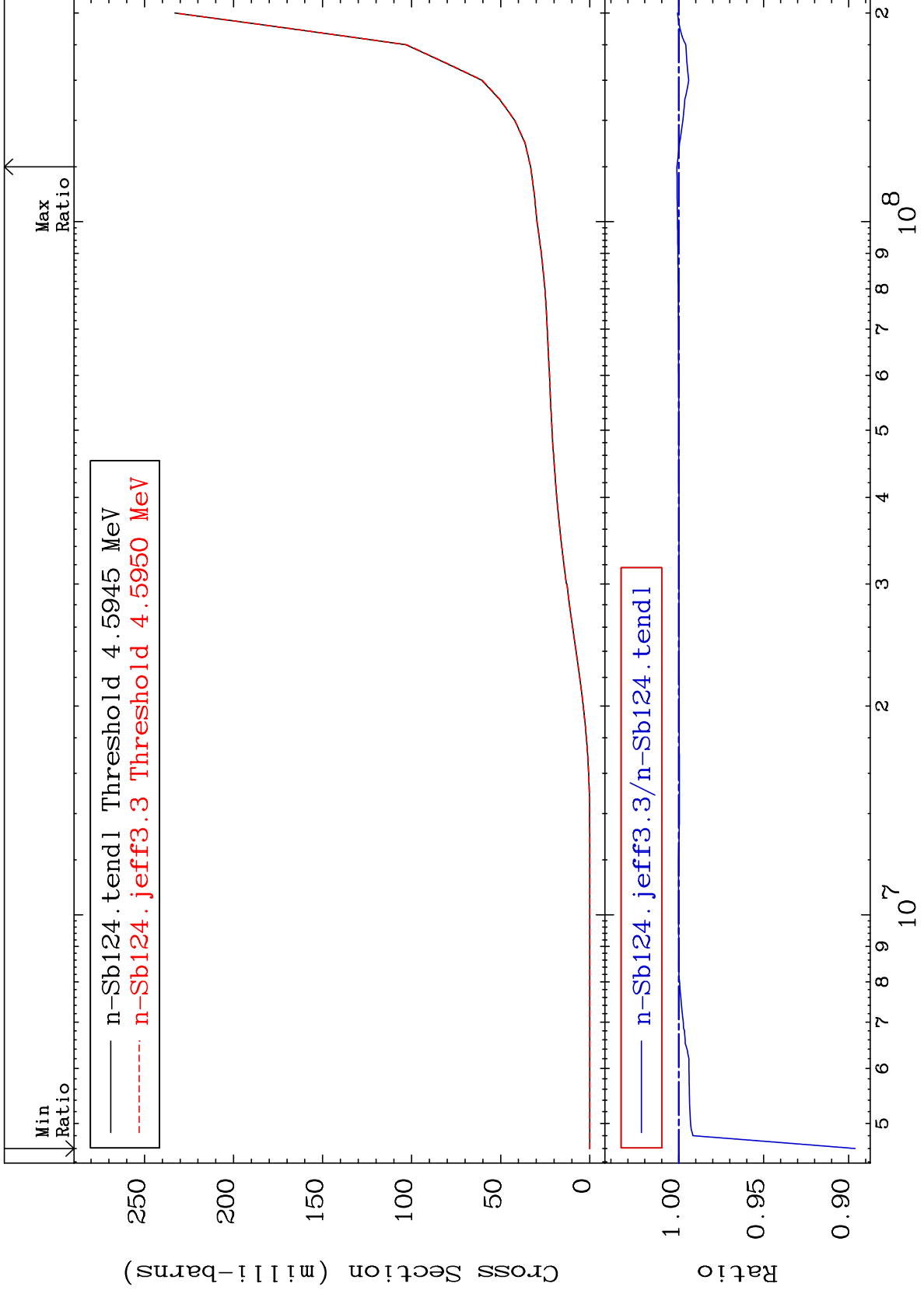
51-Sb-124

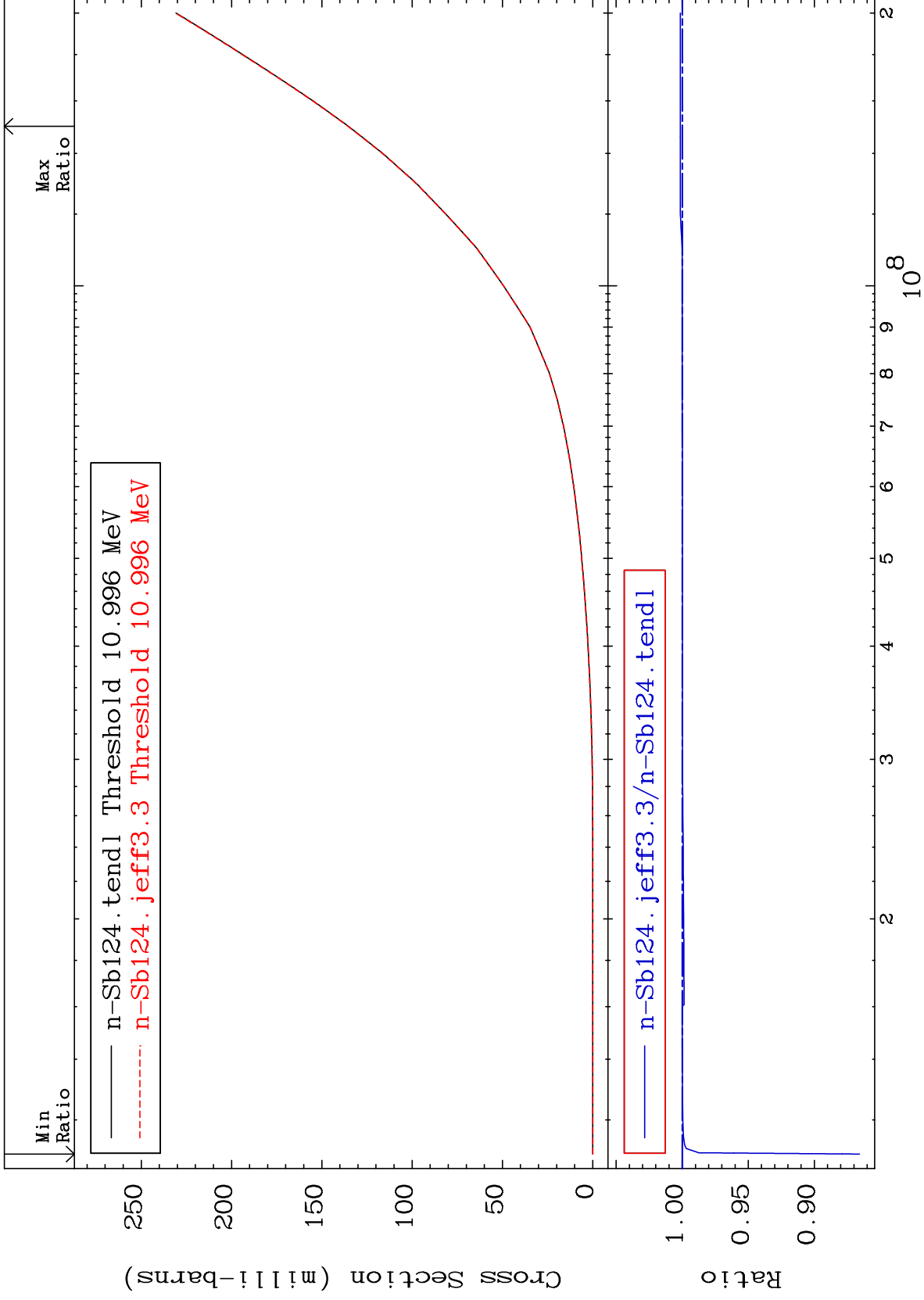
MAT 5134

Deuterium Production
Cross Section

51-Sb-124
-2.975 To 0.244 %



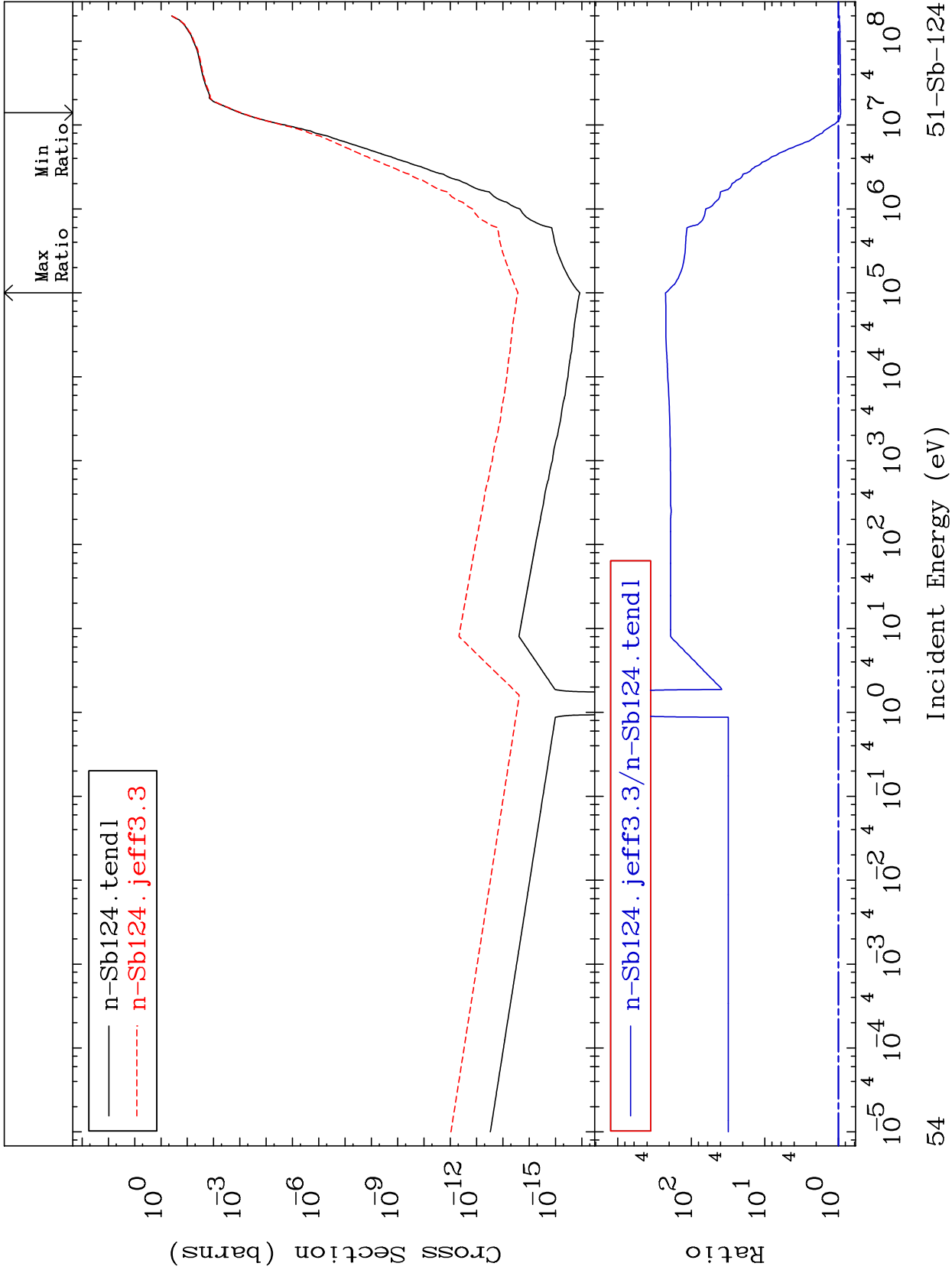


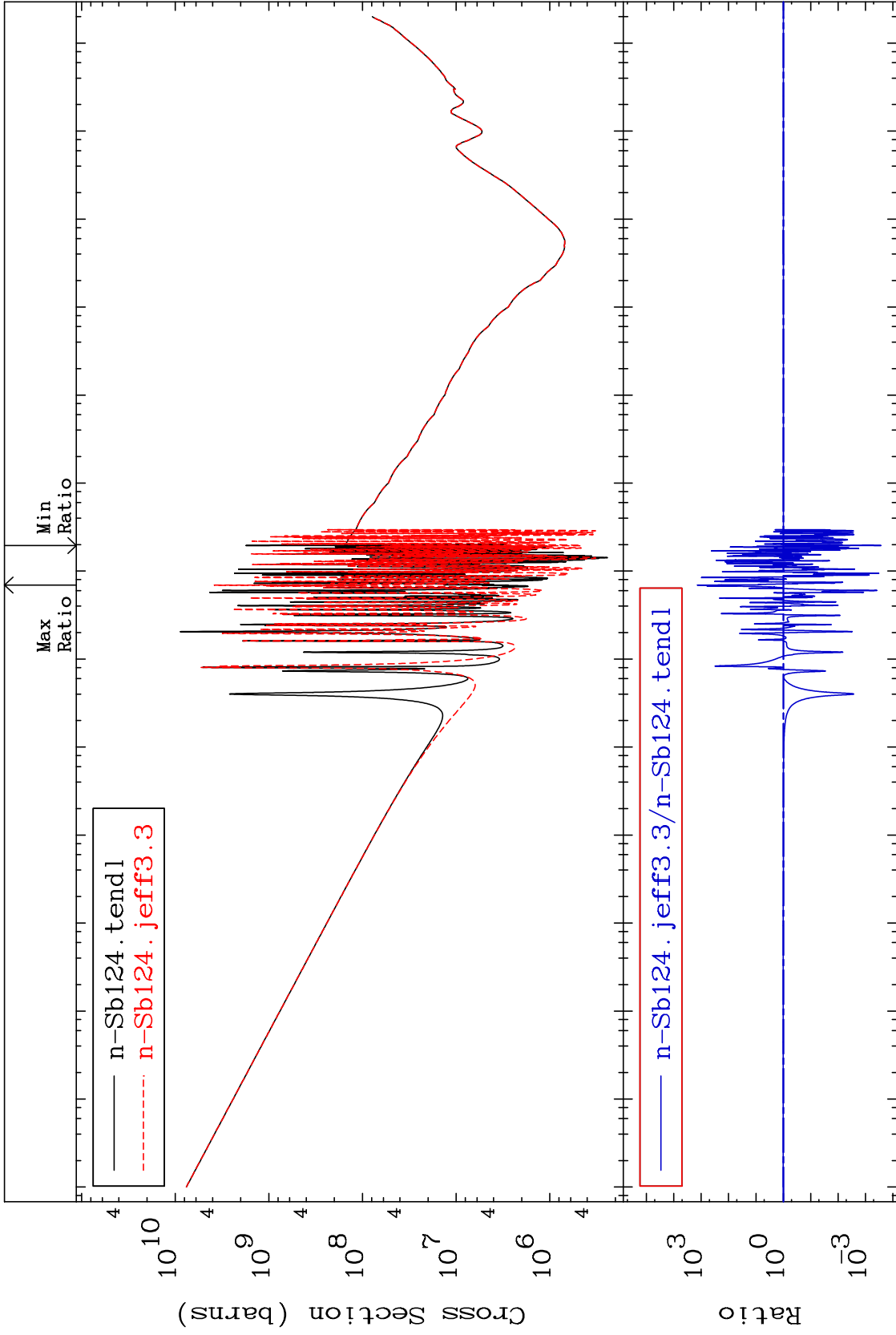


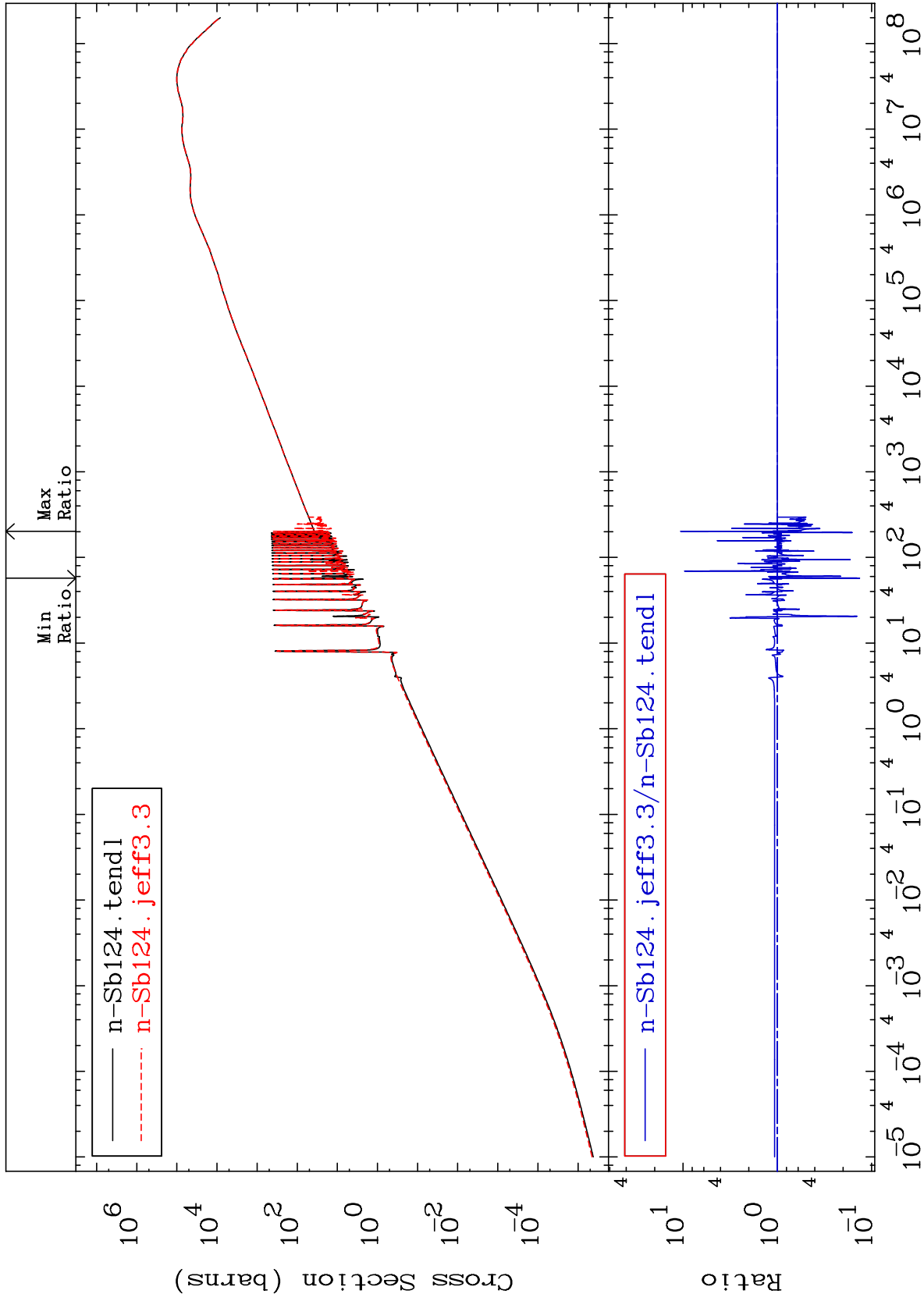
MAT 5134

He-4 Production
Cross Section

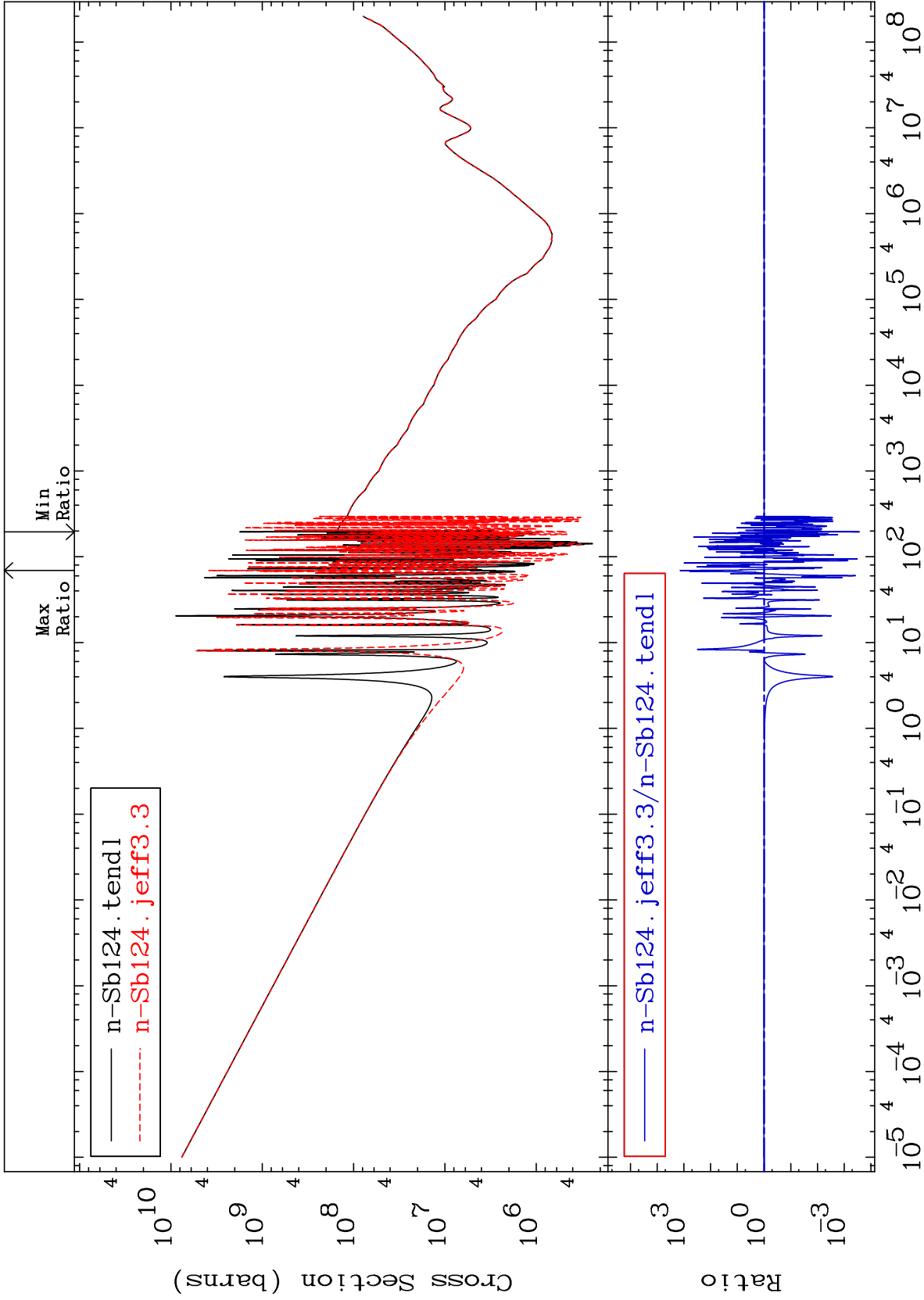
51-Sb-124
-7.084 To 9999. %

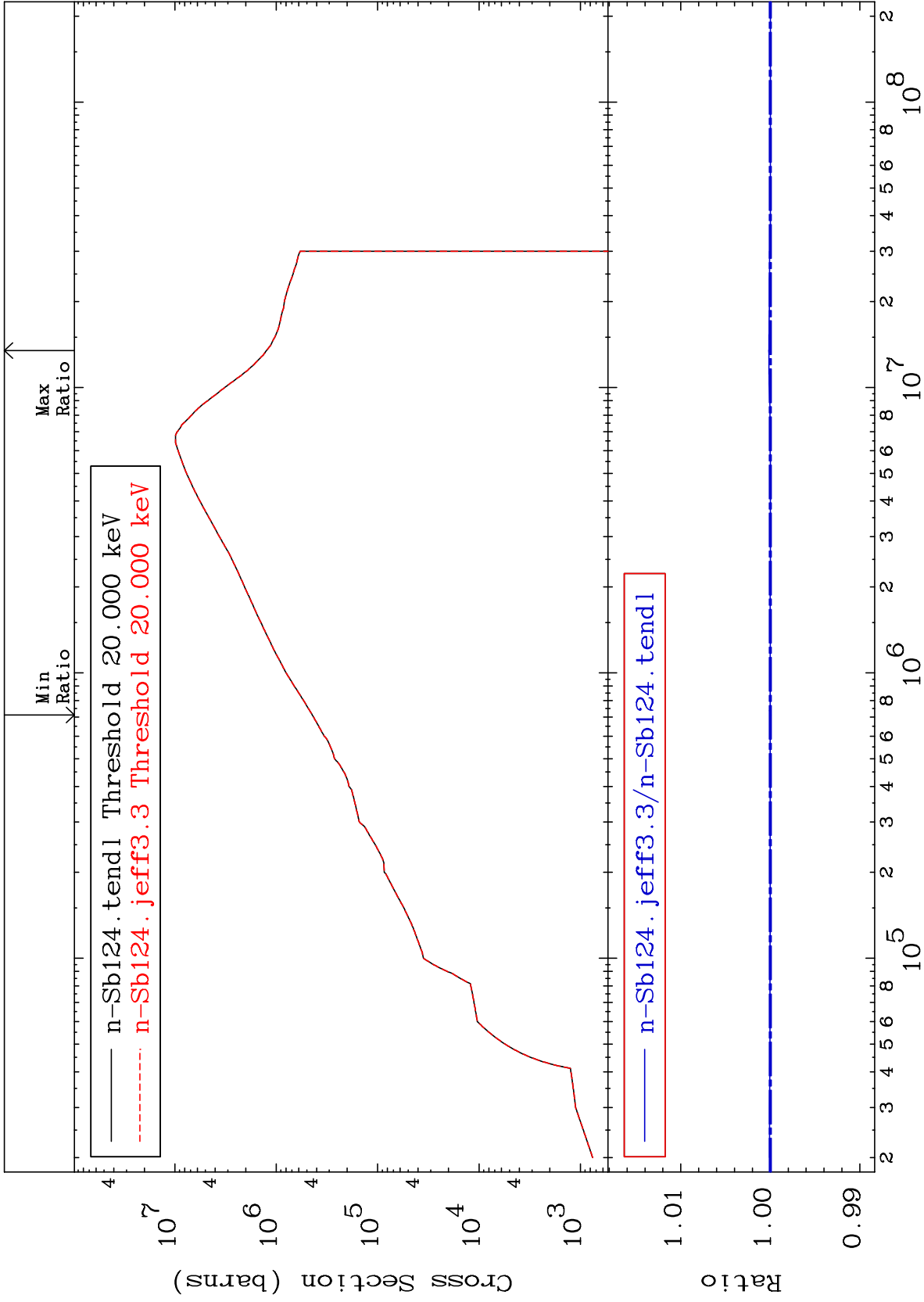






Cross Section

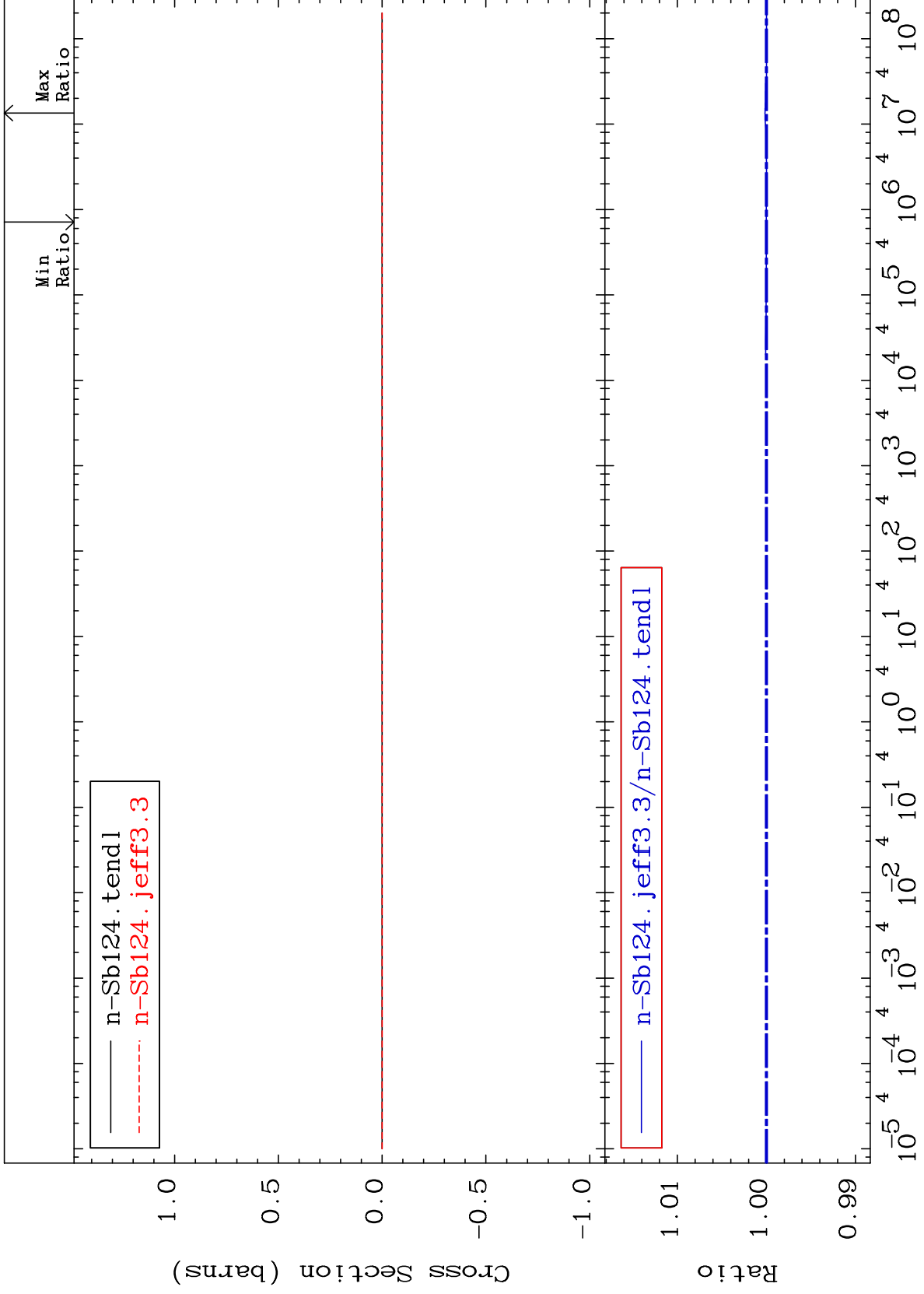




MAT 5134

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

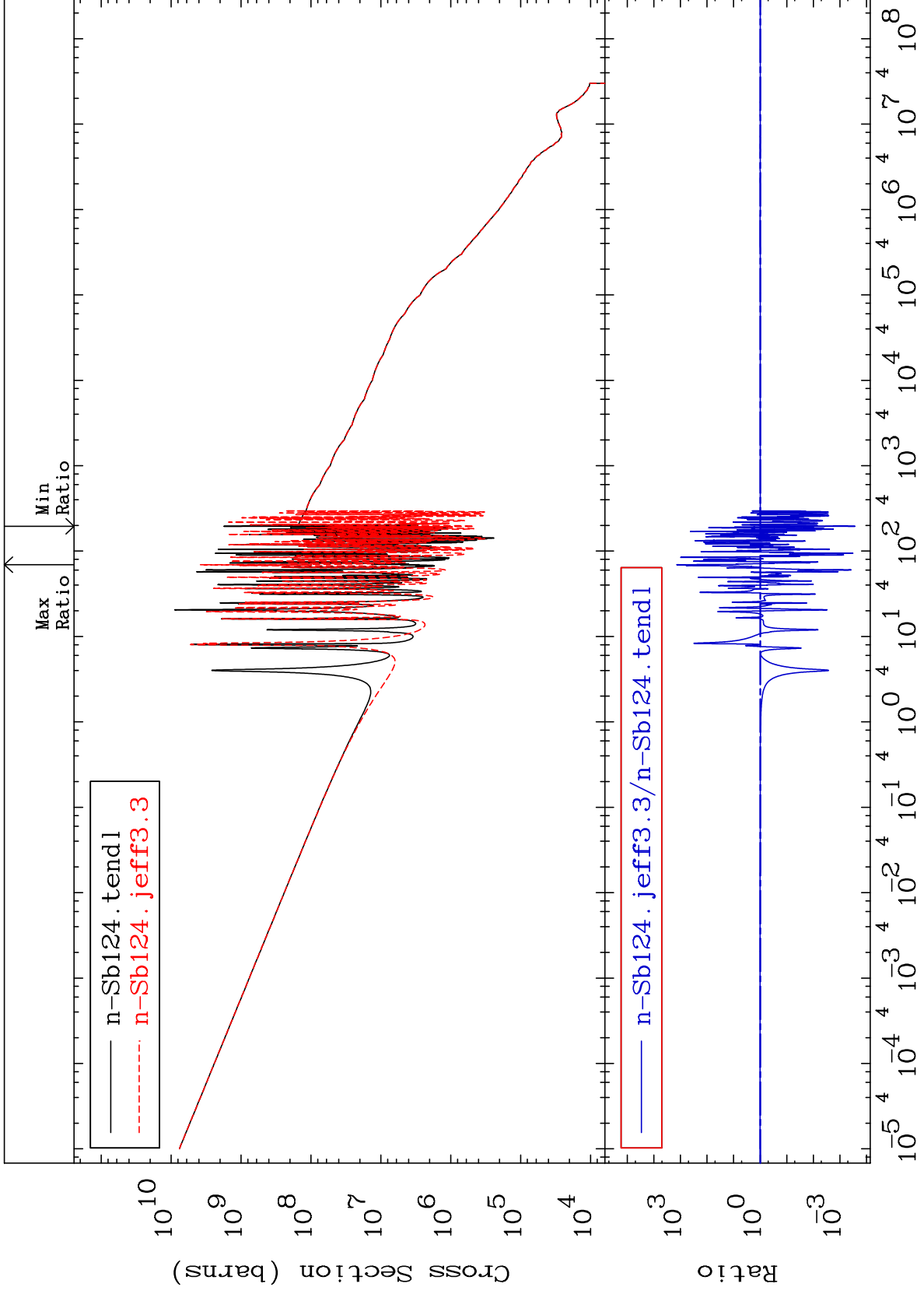
51-Sb-124
-0.007 To 0.017 %



MAT 5134

Kerma capture (mt102)
Cross Section

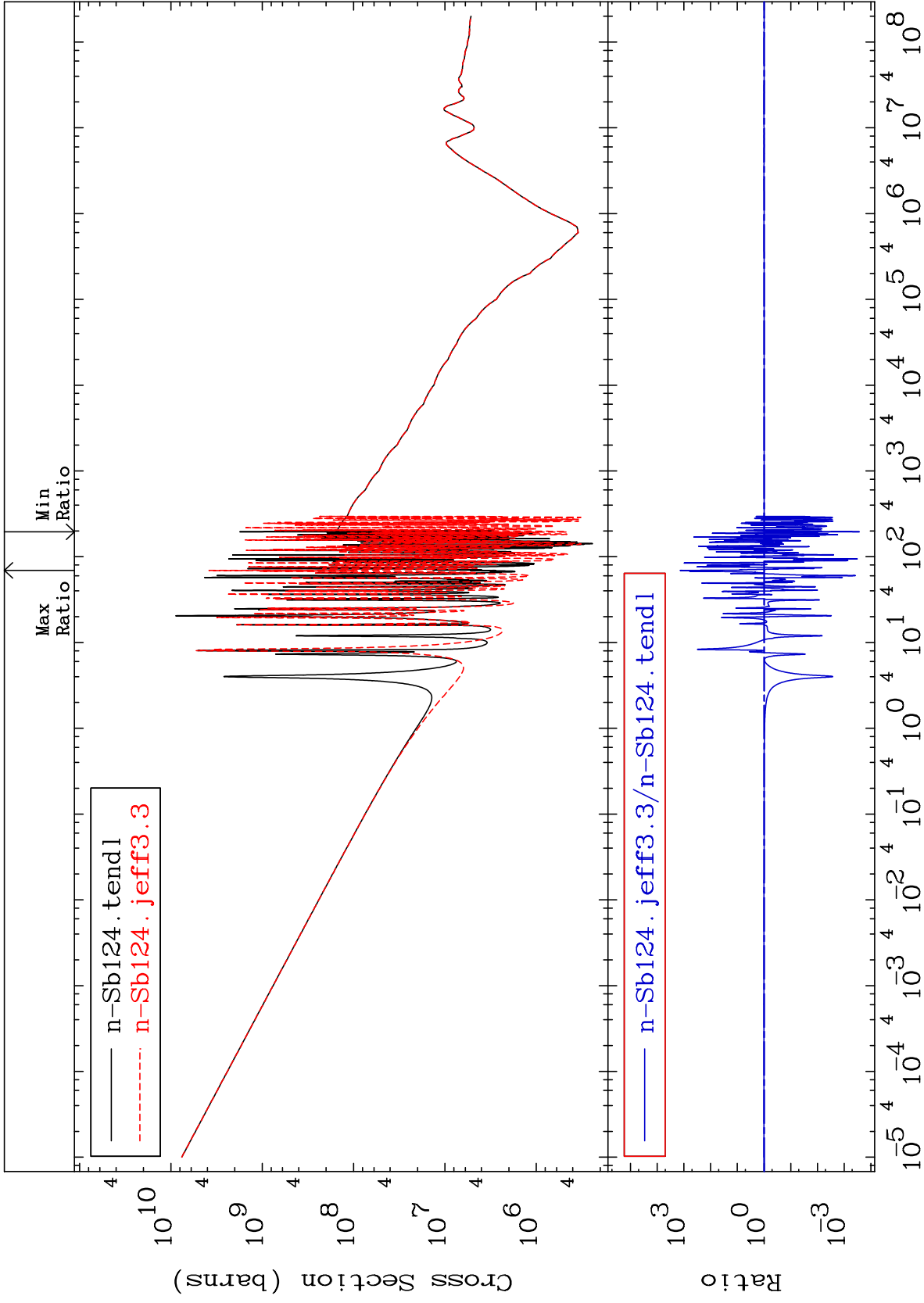
51-Sb-124
-99.97 To 9999. %



60

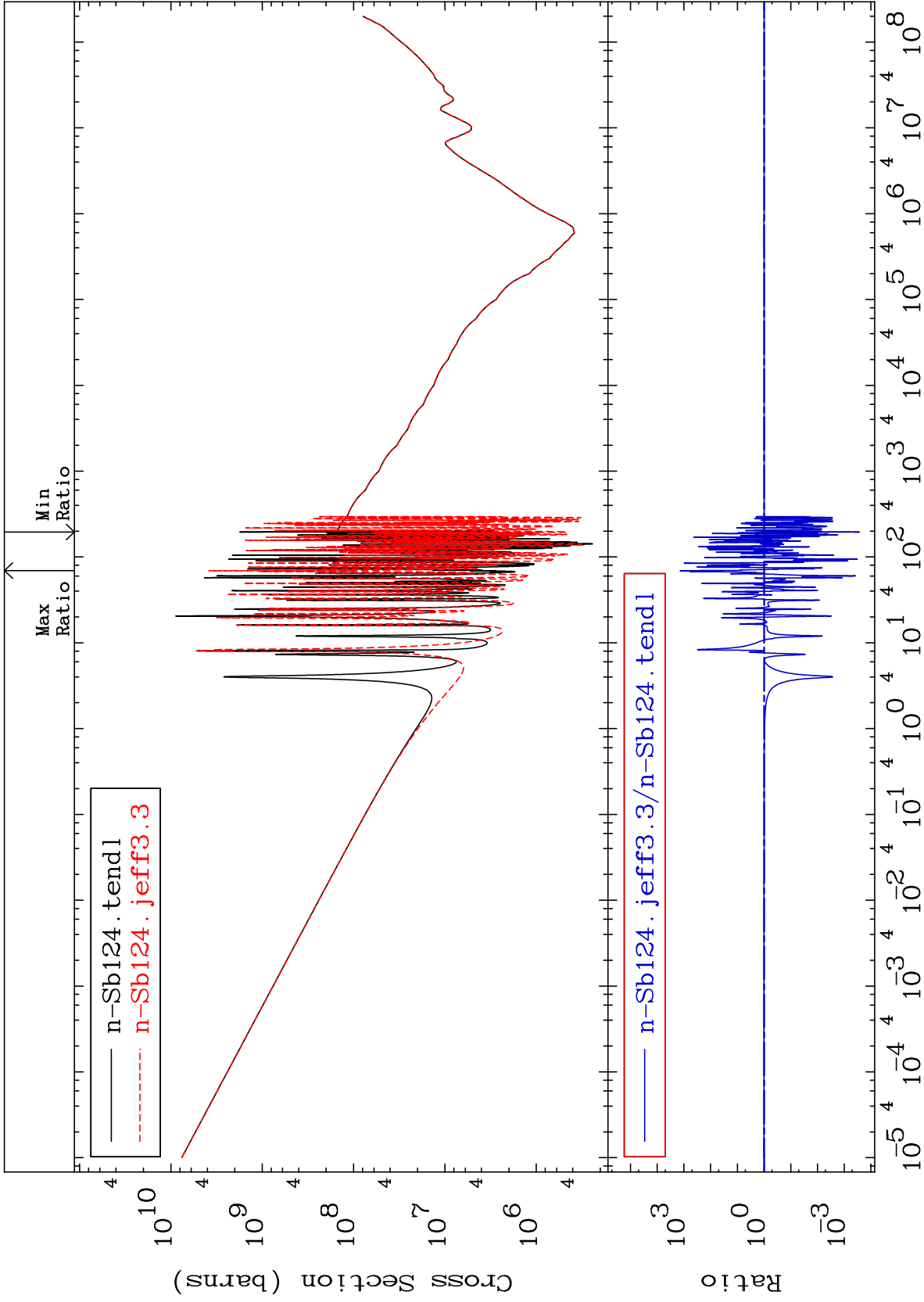
Incident Energy (eV)

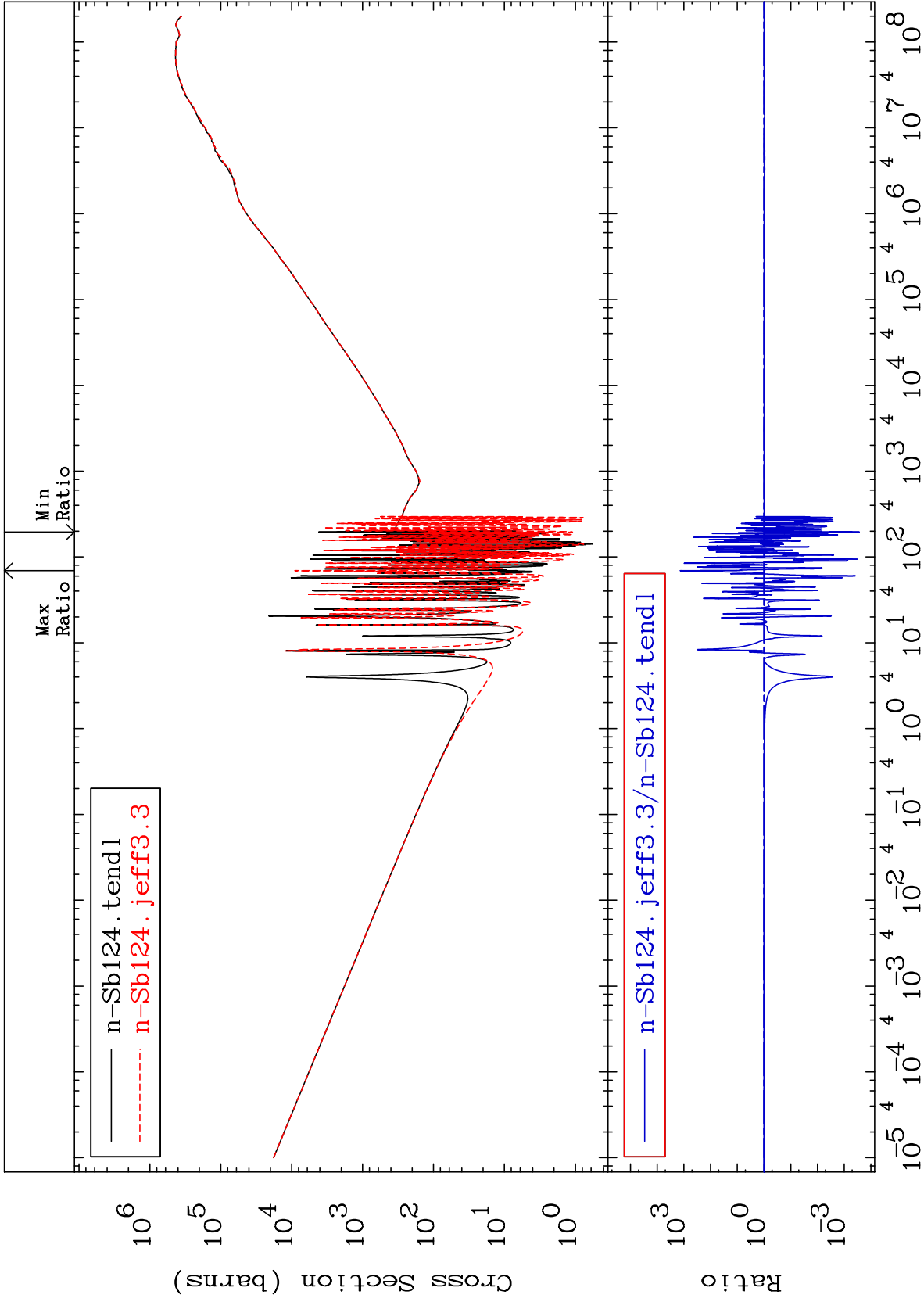
51-Sb-124



— n-Sb124.tendl
- - - n-Sb124.jeff3.3

— n-Sb124.jeff3.3/n-Sb124.tendl

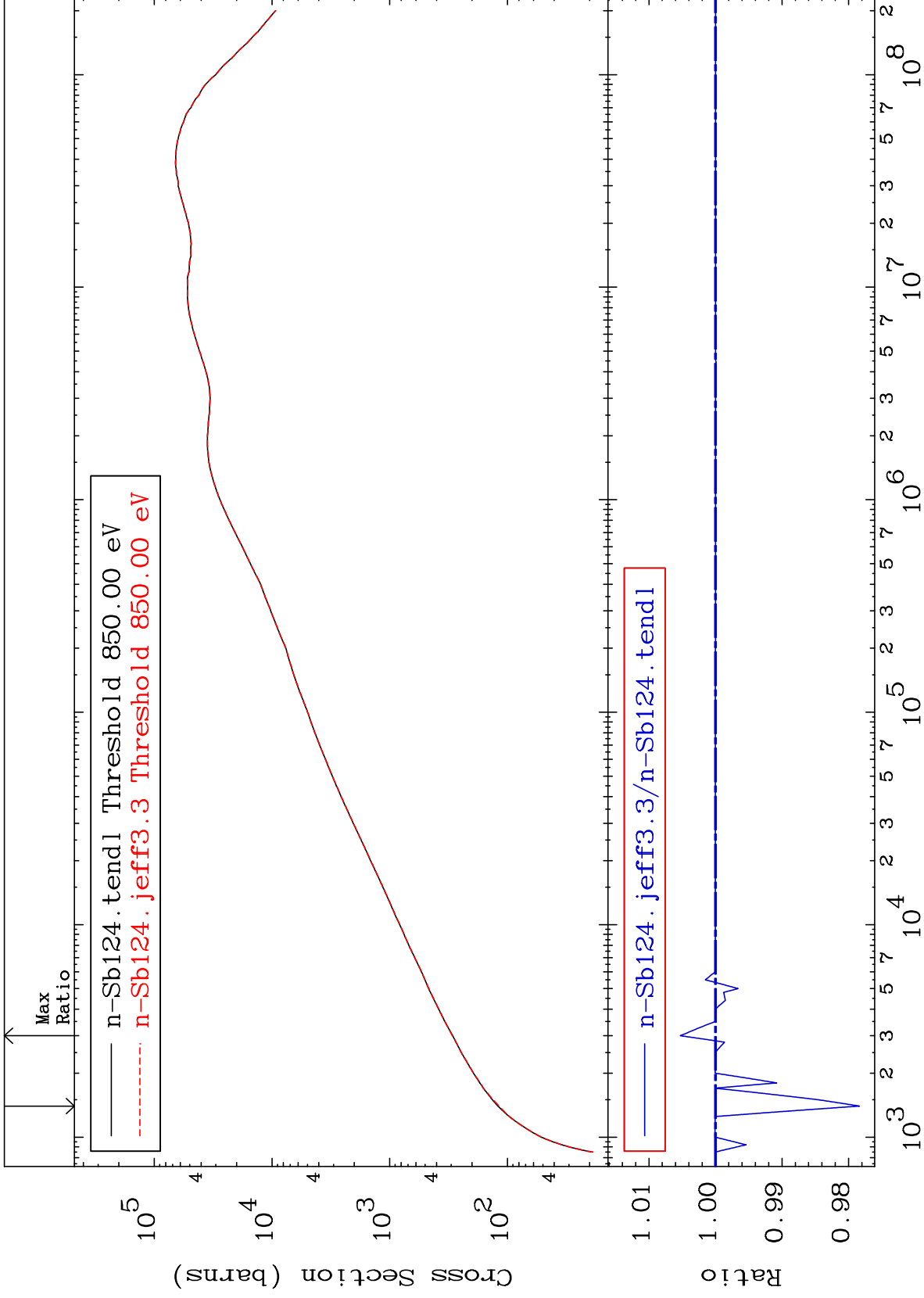




MAT 5134

Dpa elastic (mt2)
Cross Section

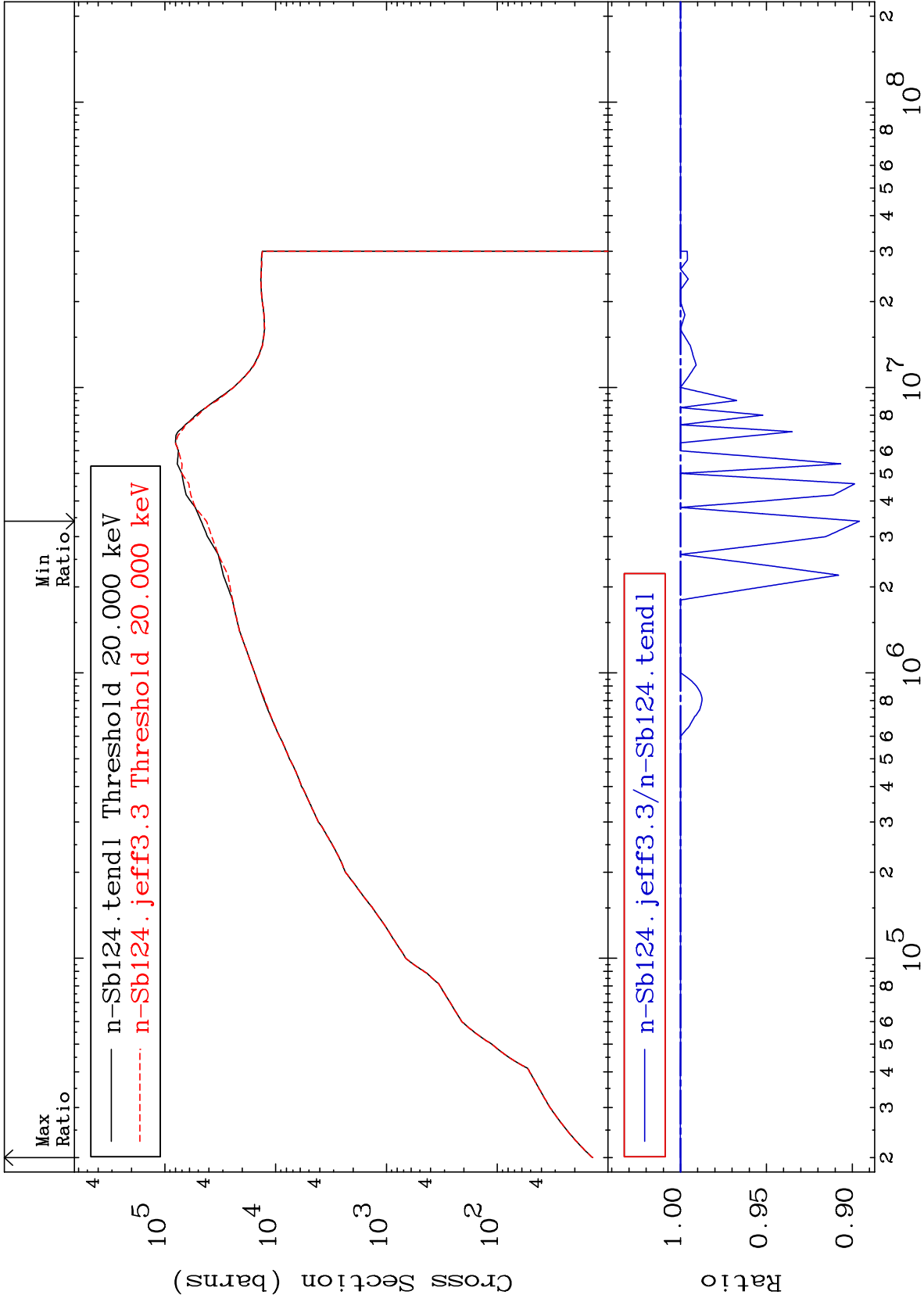
51-Sb-124
-2.163 To 0.528 %

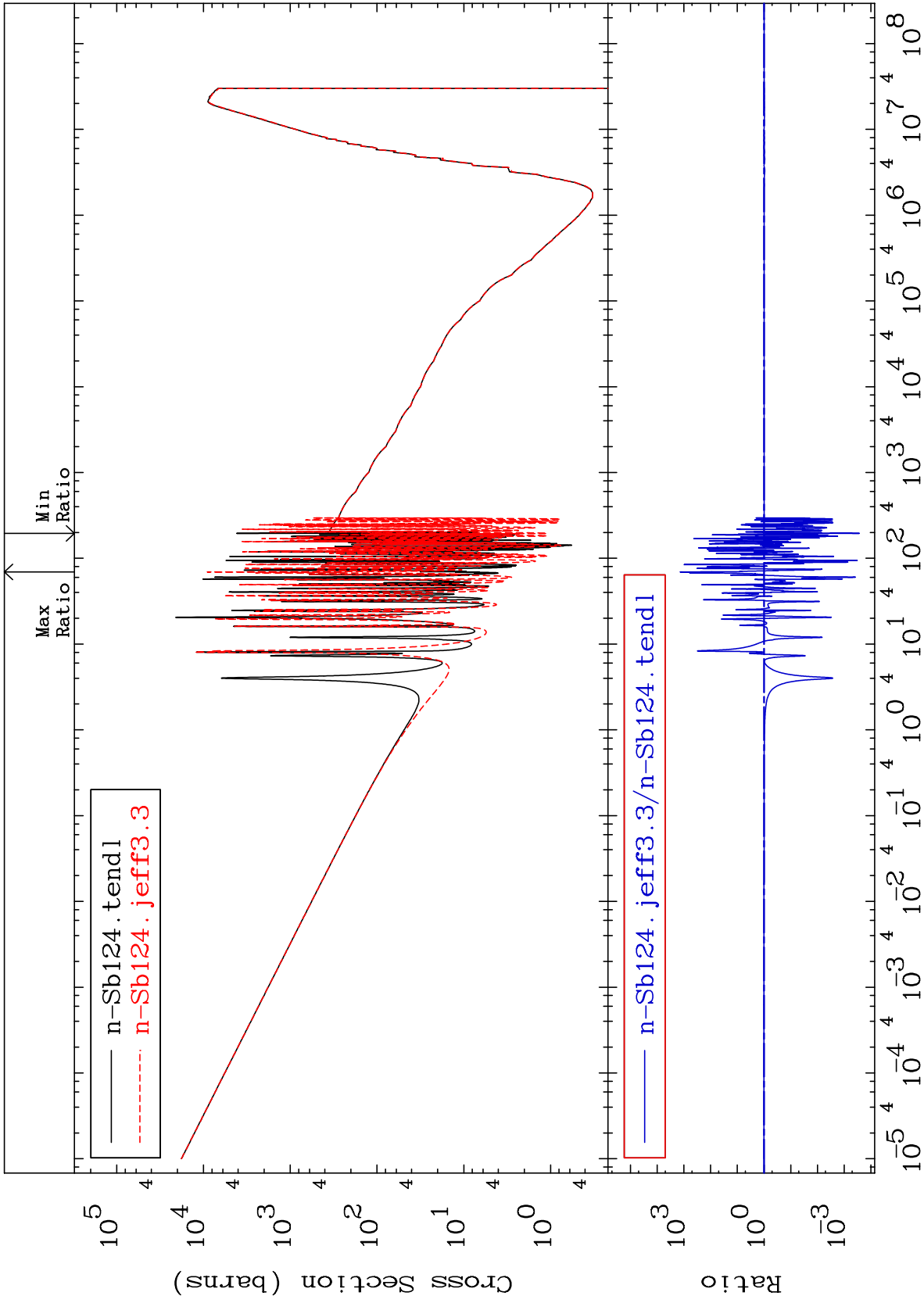


64

Incident Energy (eV)

51-Sb-124





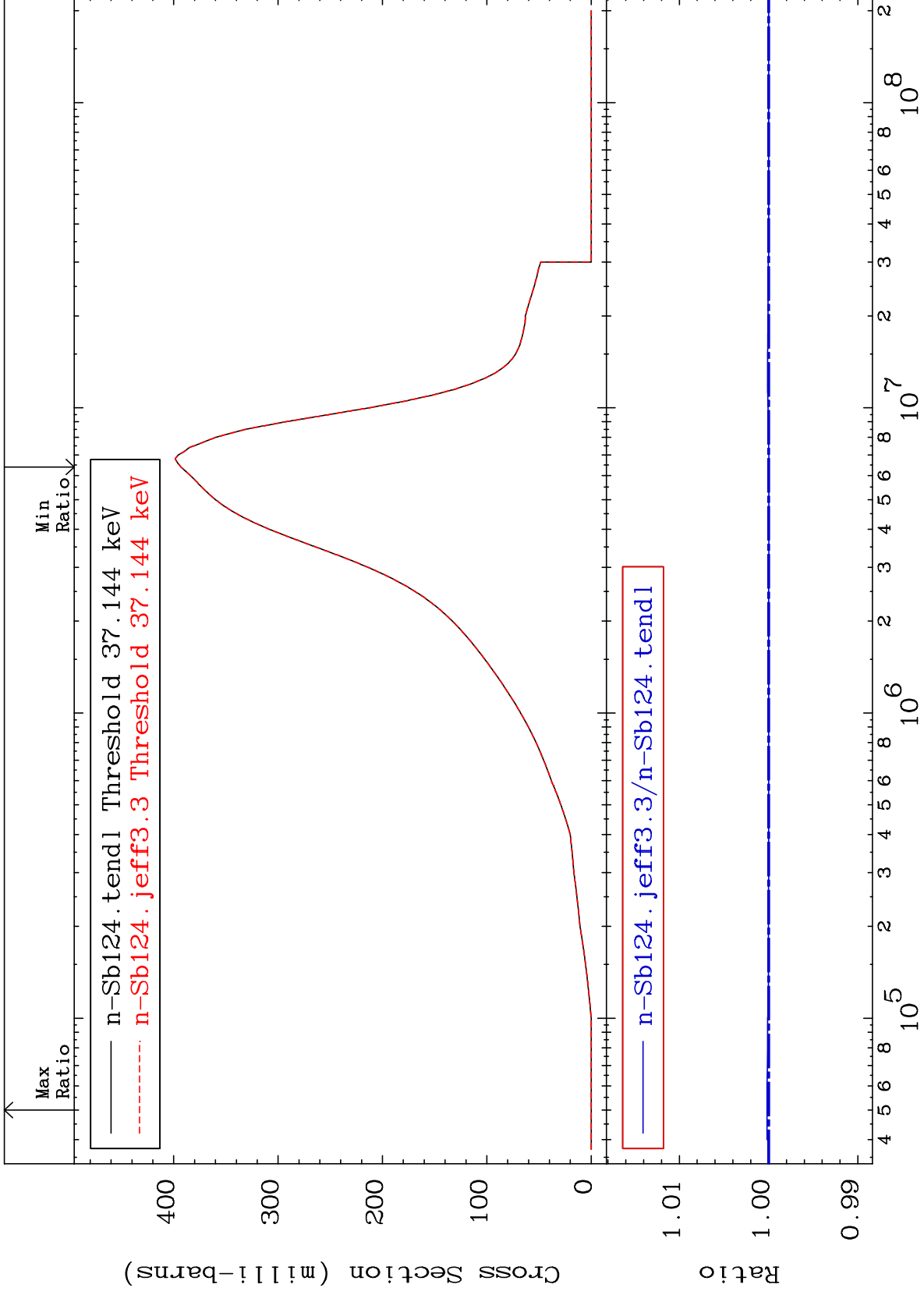
MAT 5134

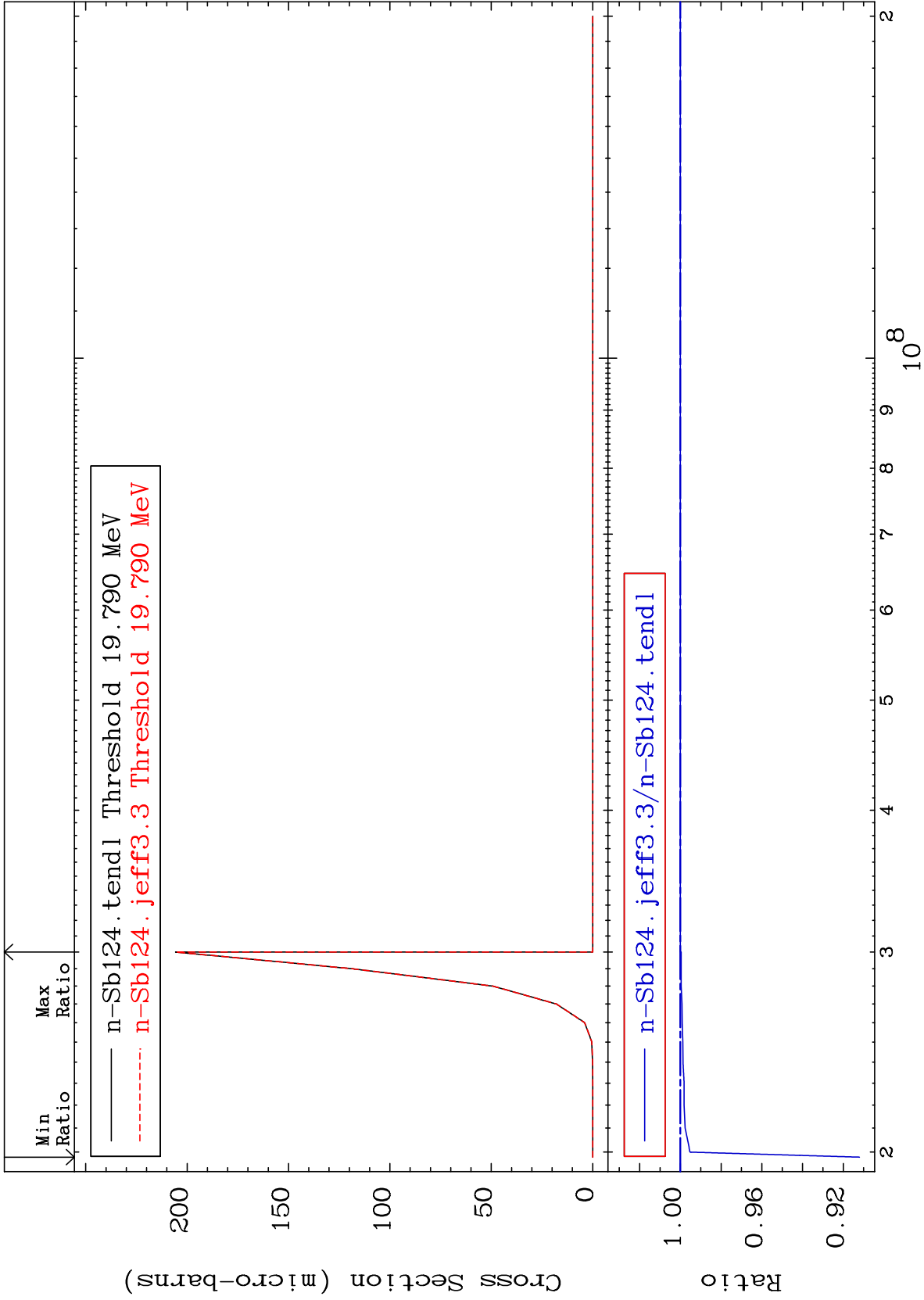
Inelastic:51-Sb-124m2

51-Sb-124

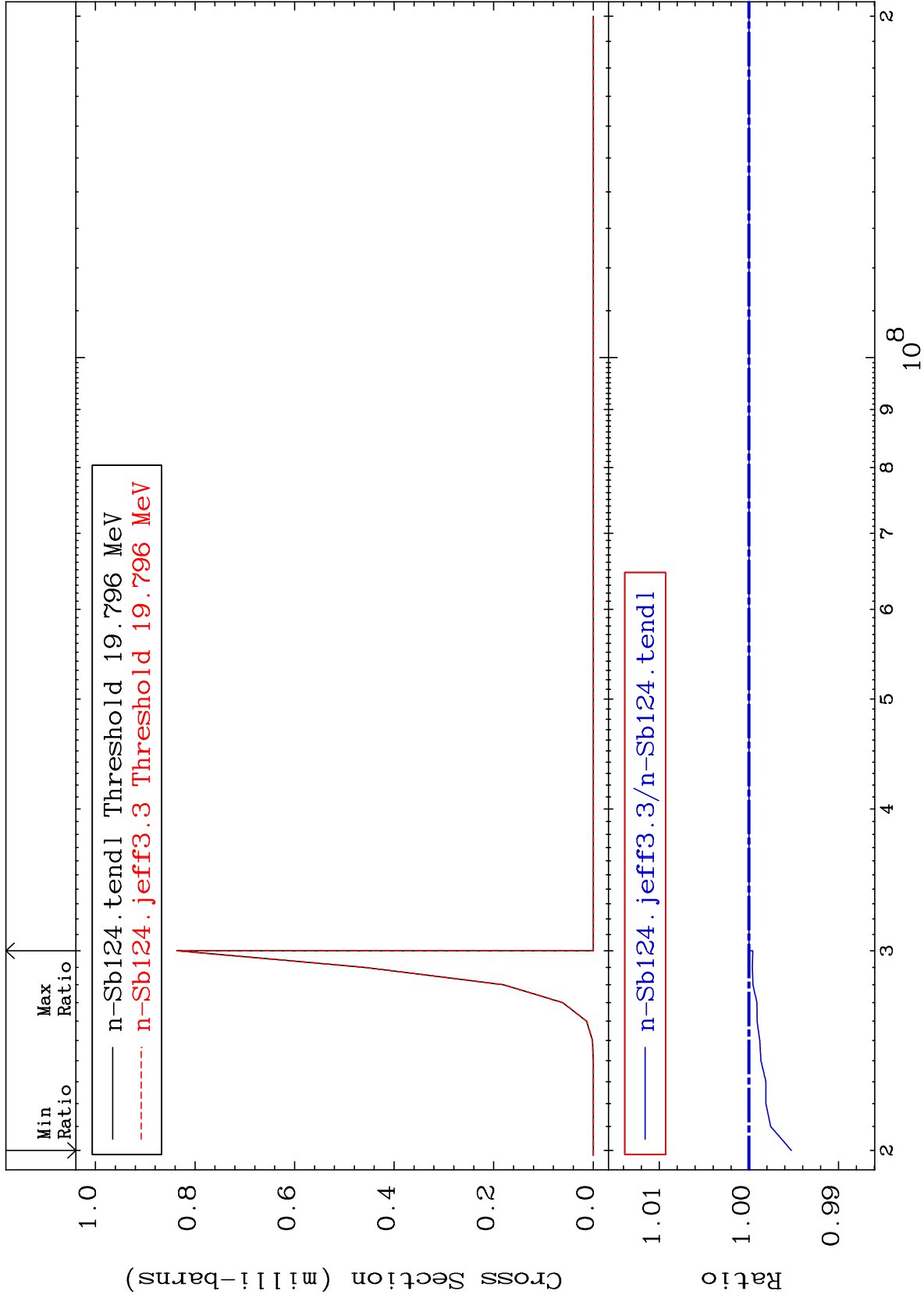
Radionuclide Production Cross Section

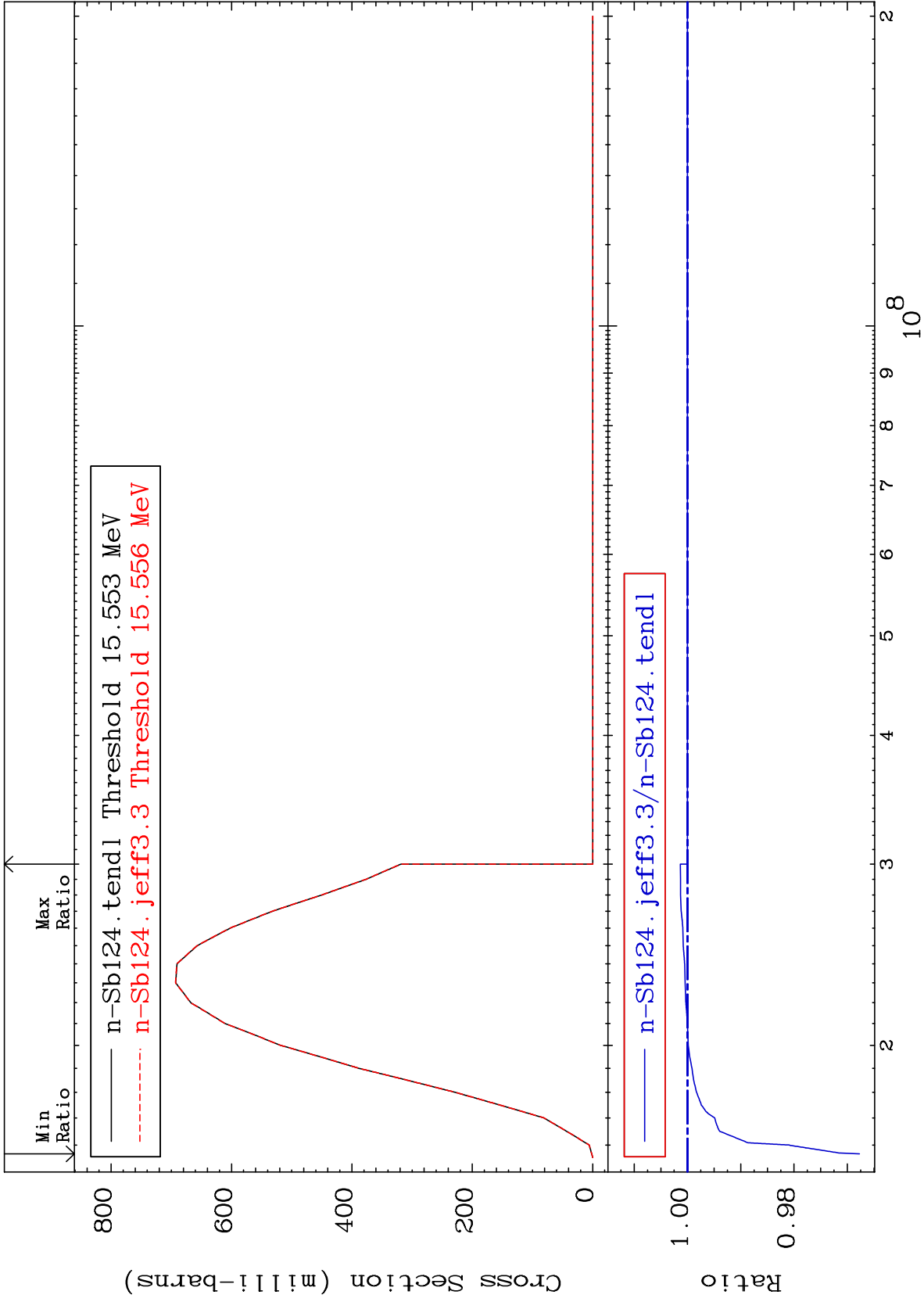
-0.003 To 0.018 %



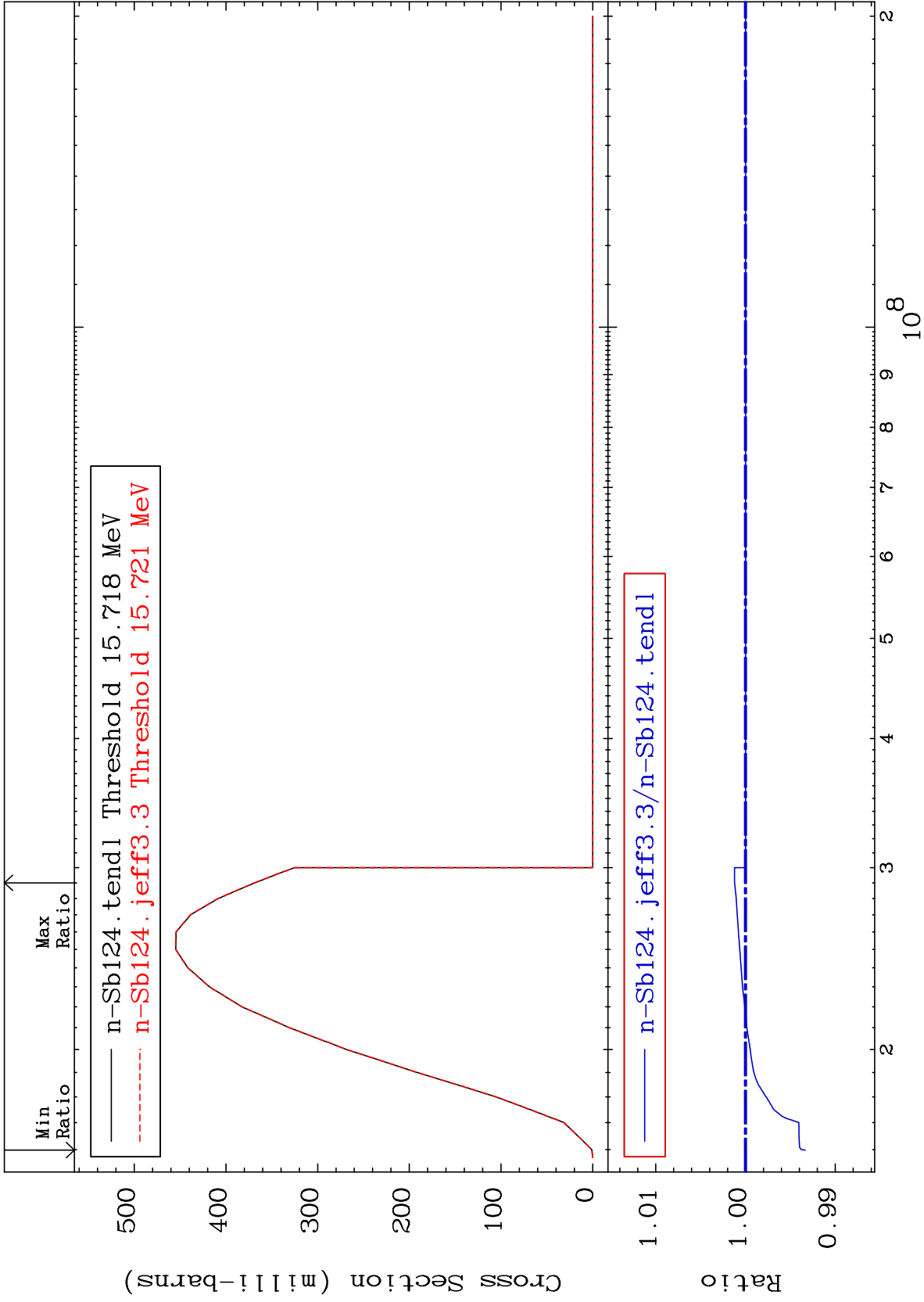


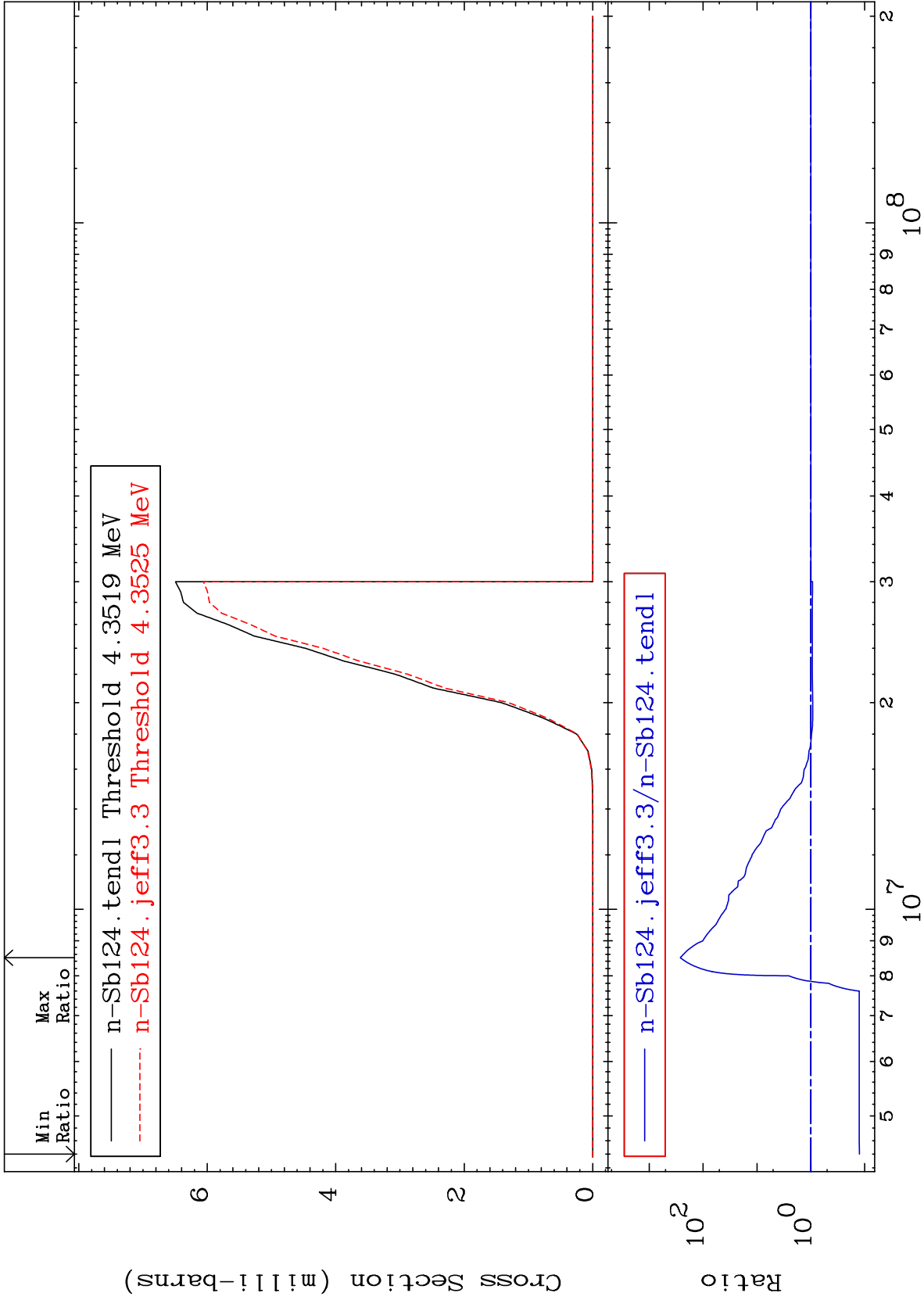
Radionuclide Production Cross Section -0.473 To 0.000 %



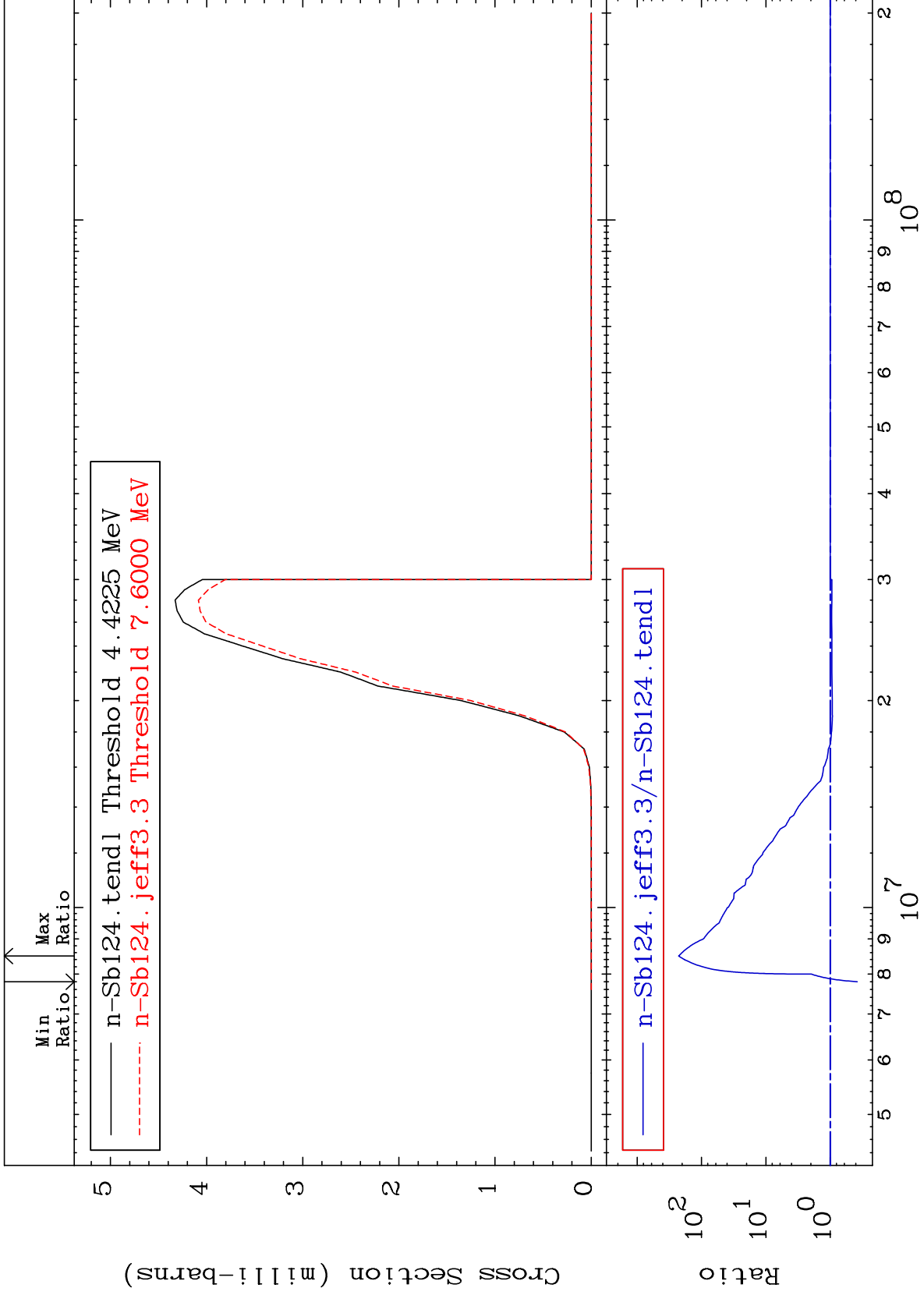


Radionuclide Production Cross Section -0.665 To 0.122 %

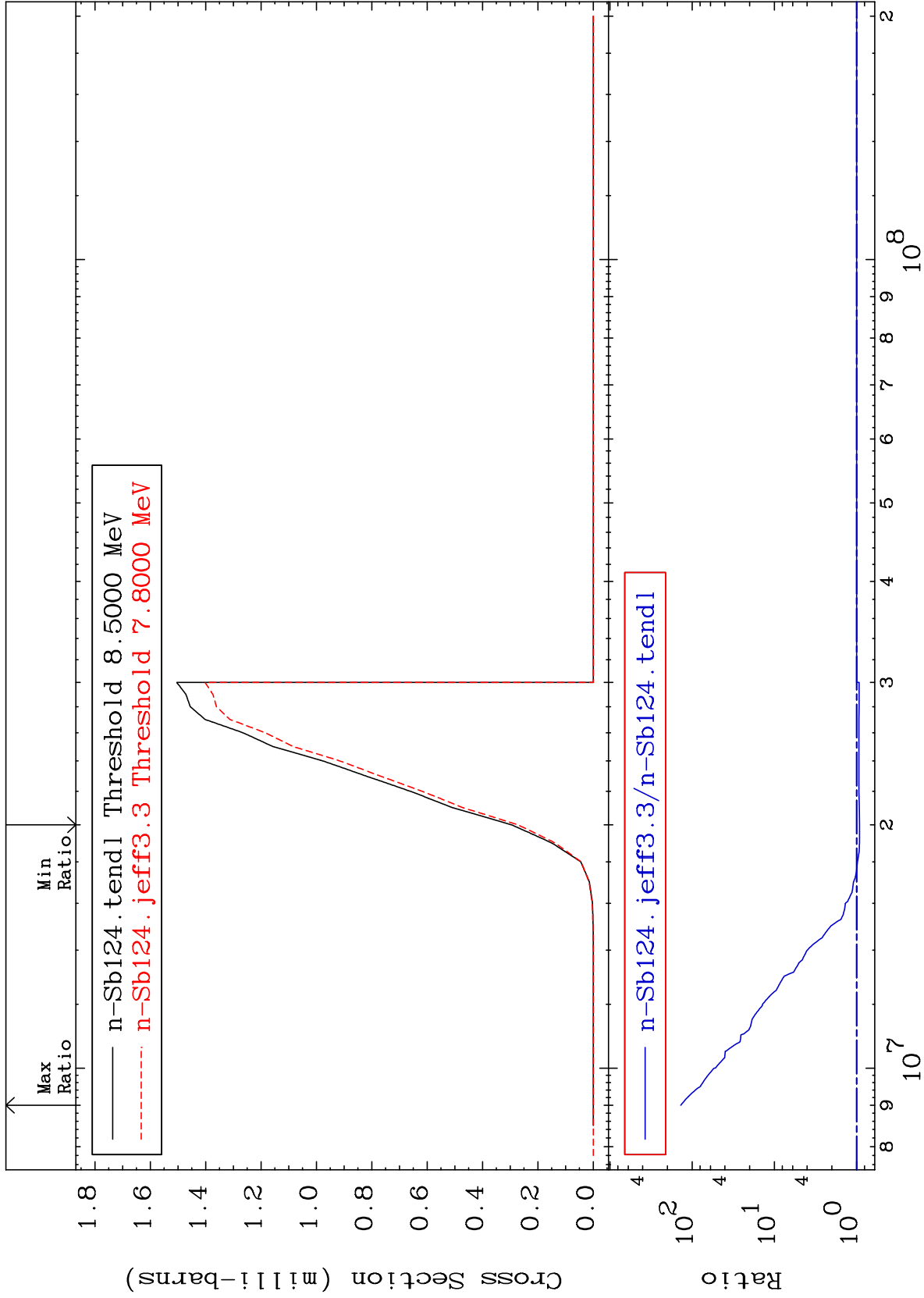


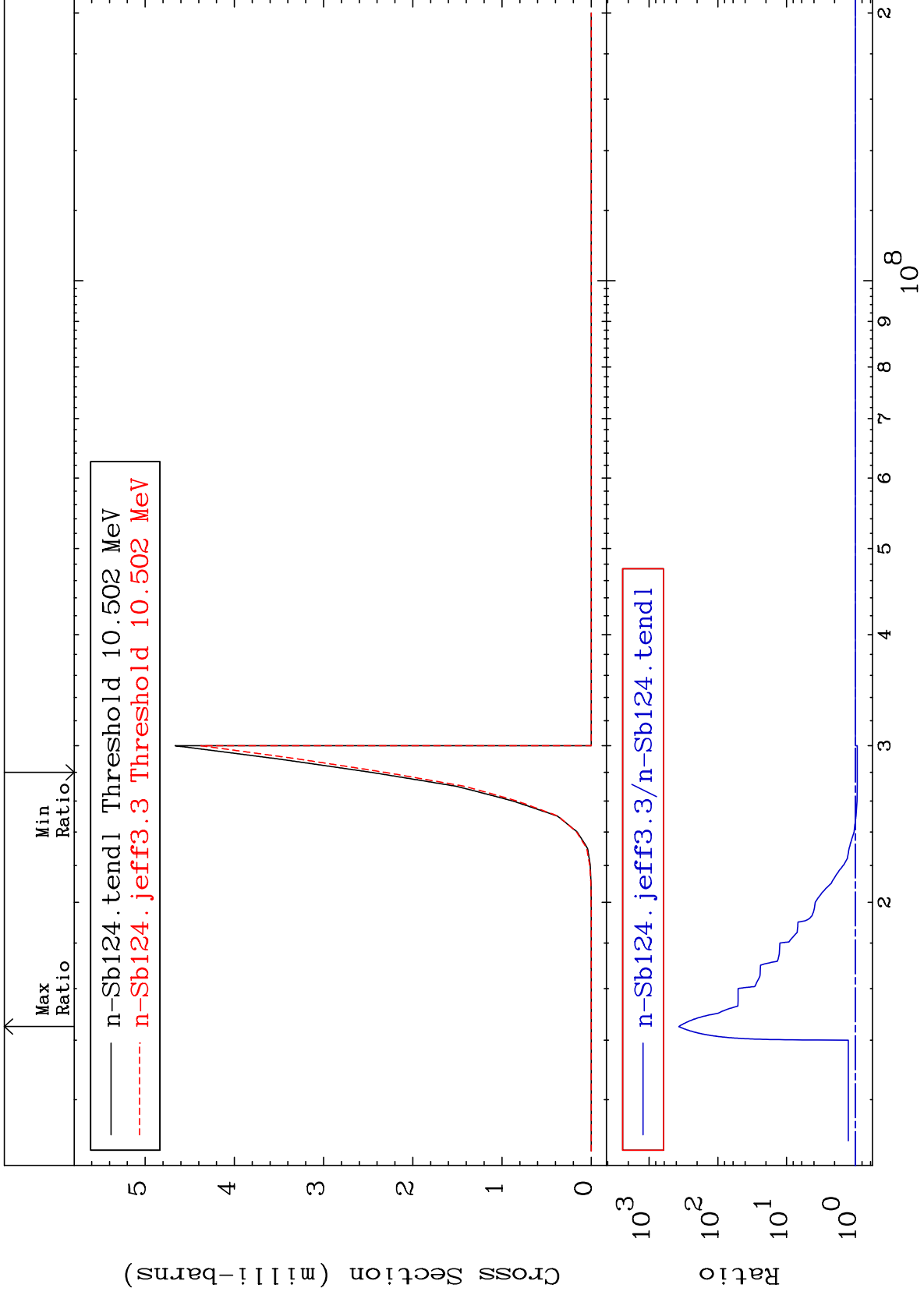


Radionuclide Production Cross Section -62.08 To 9999. %

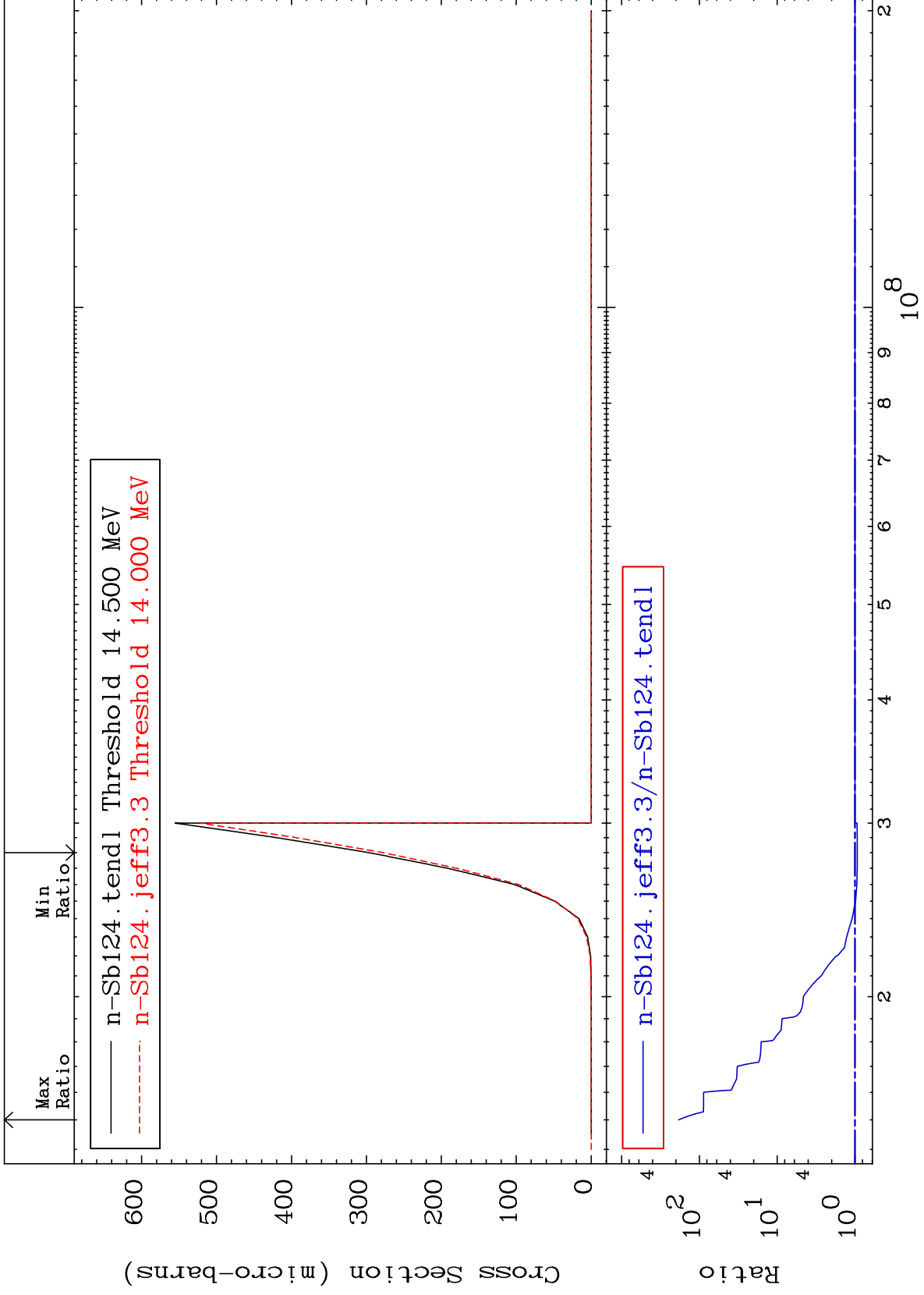


Radionuclide Production Cross Section -7.807 To 9999. %





Radionuclide Production Cross Section -6.431 To 9999. %

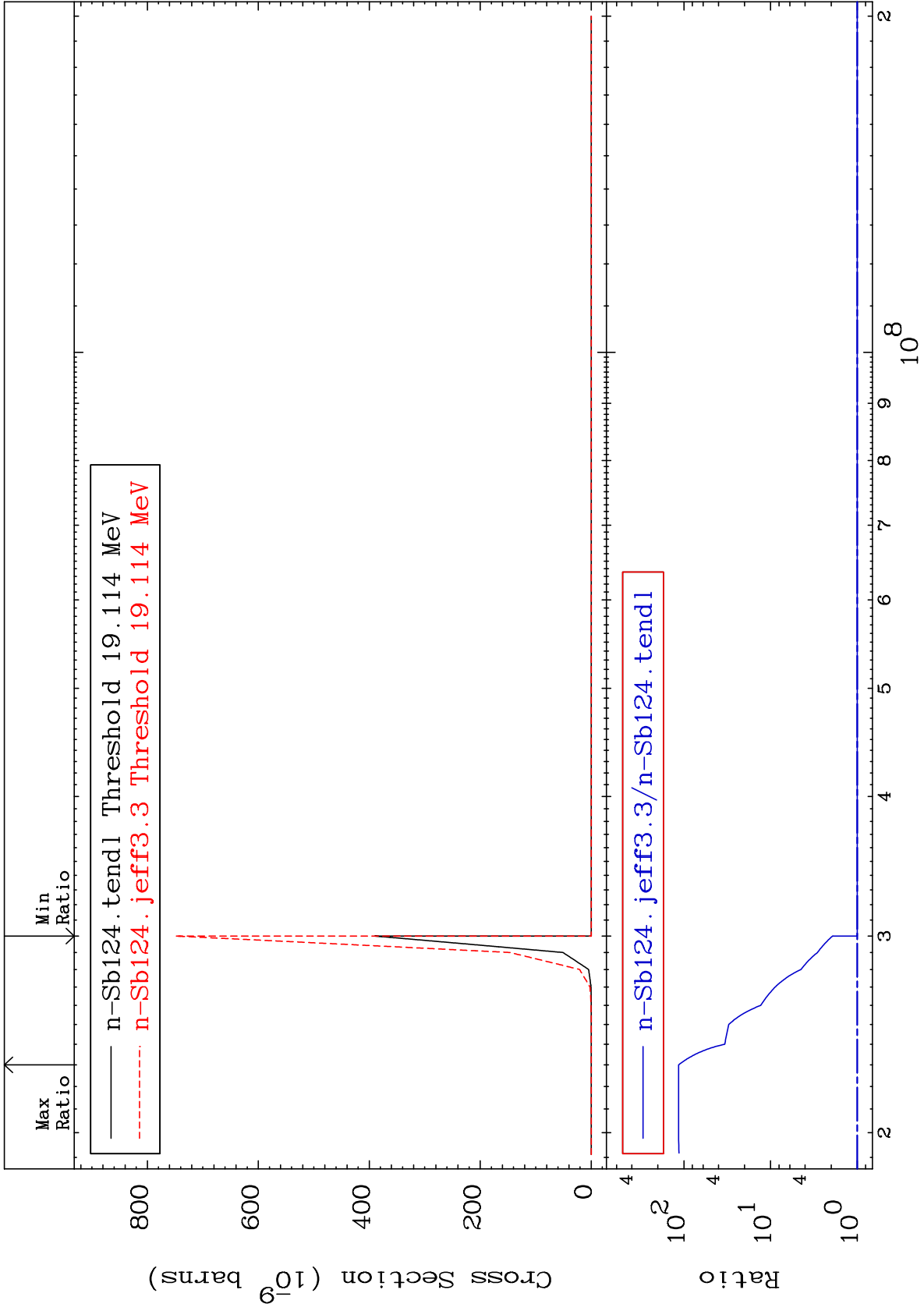


MAT 5134

(n,3n) α : 49-In-118g

51-Sb-124

Radionuclide Production Cross Section 0.000 To 9999. %

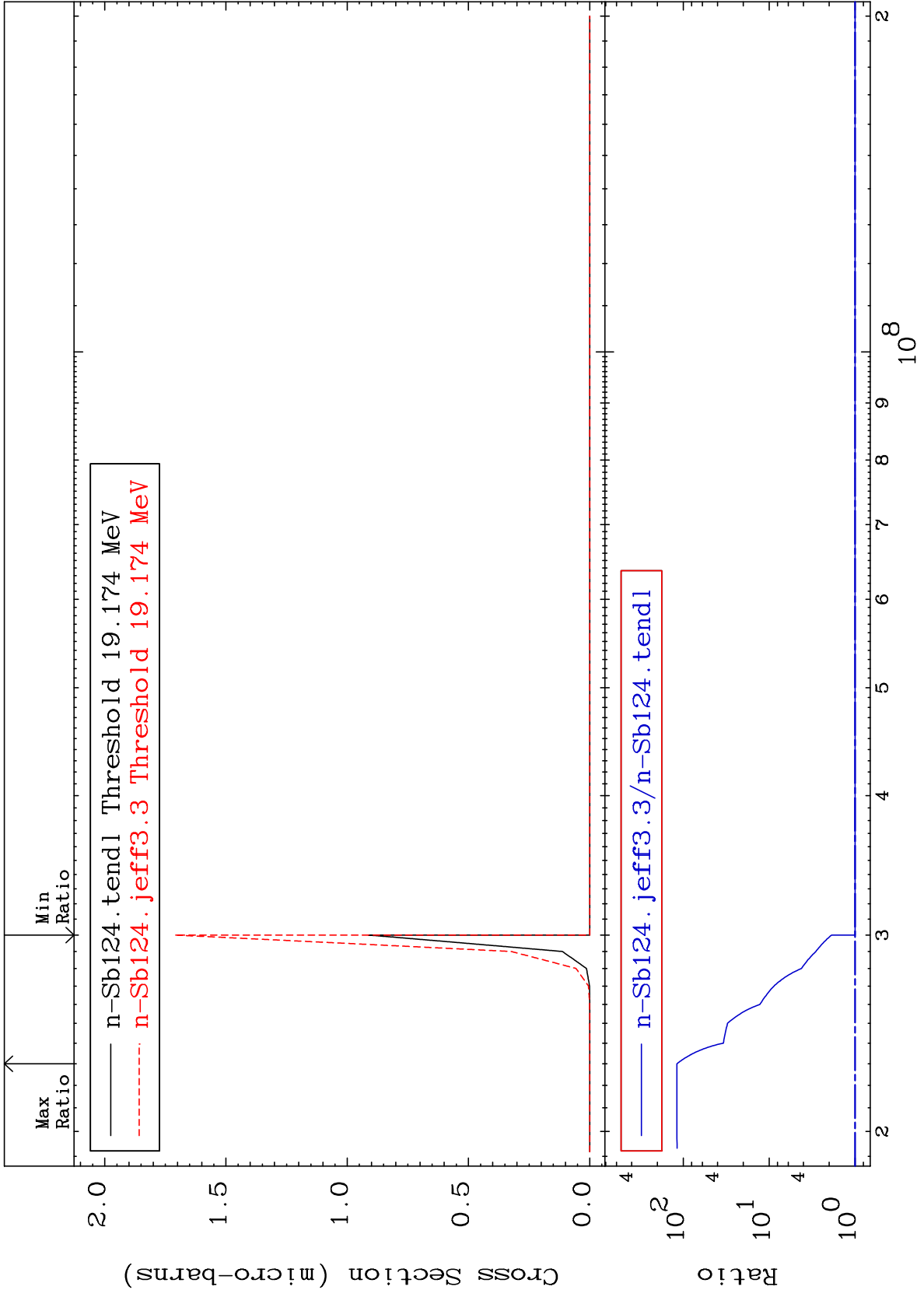


MAT 5134

(n,3n) α :49-In-118m1

51-Sb-124

Radionuclide Production Cross Section 0.000 To 9999. %



78

Incident Energy (eV)

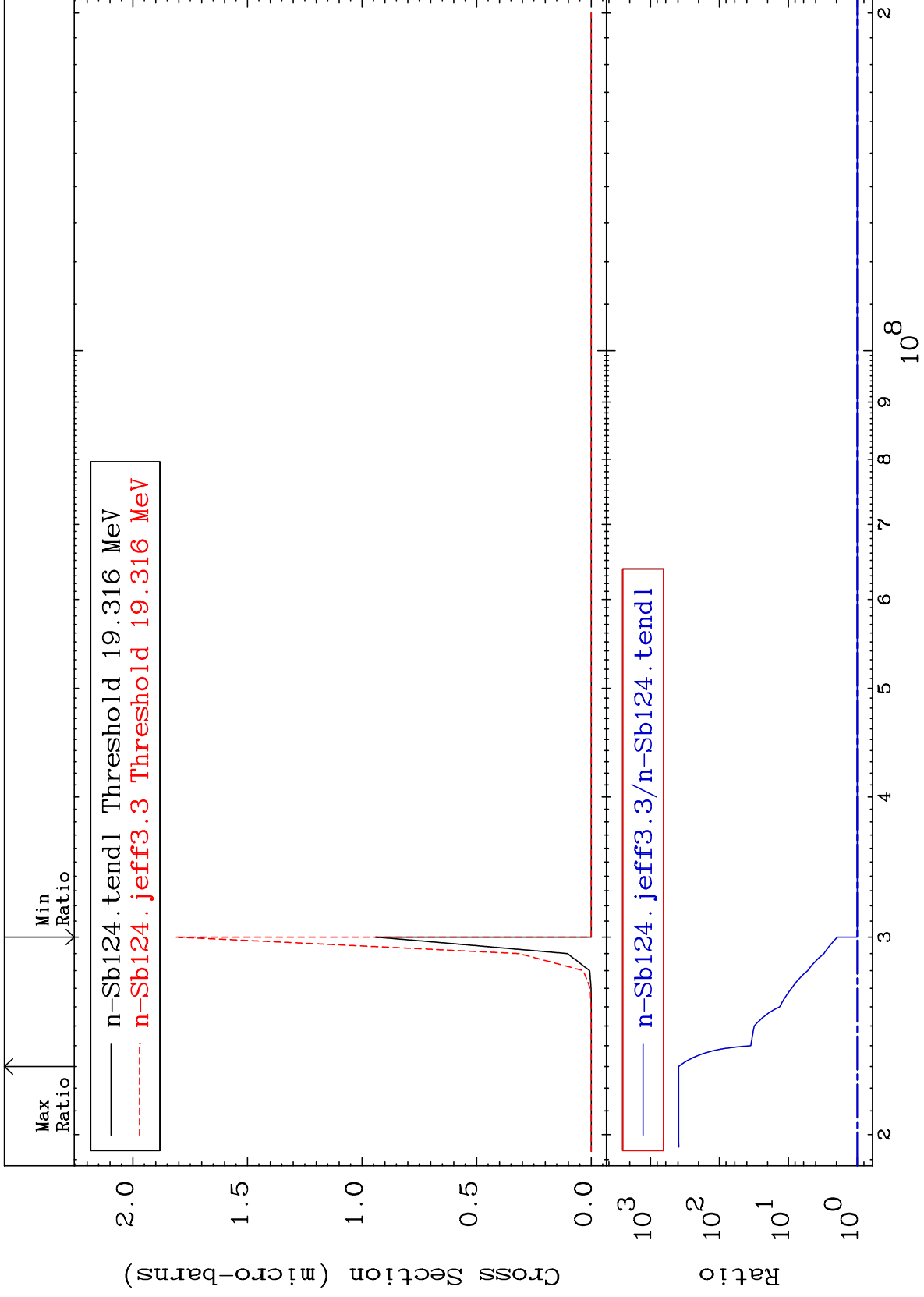
51-Sb-124

MAT 5134

(n,3n) α :49-In-118m3

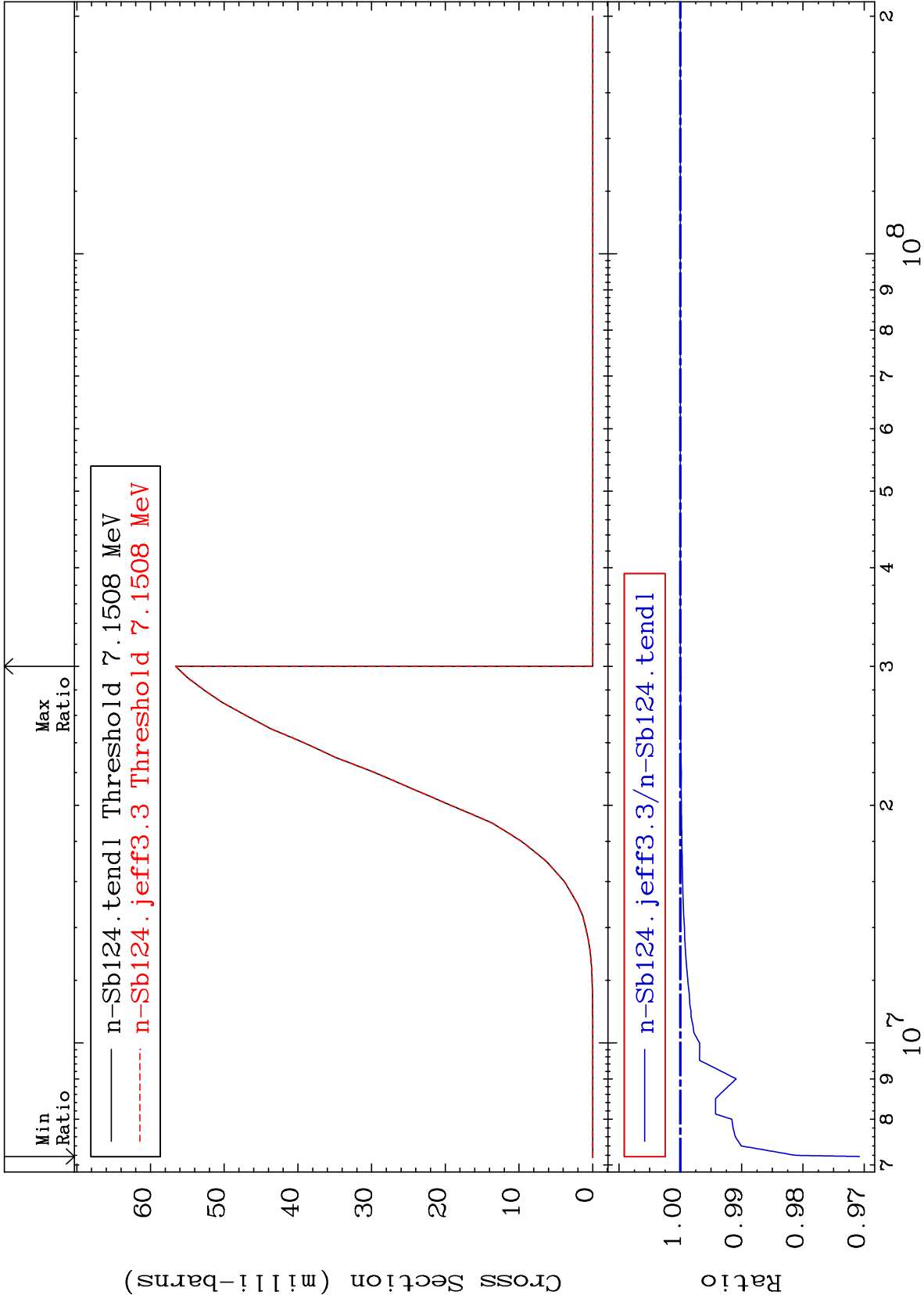
51-Sb-124

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 5134

(n, n') p:50-Sn-123g 51-Sb-124
Radionuclide Production Cross Section -2.921 To 0.000 %



80

Incident Energy (eV)

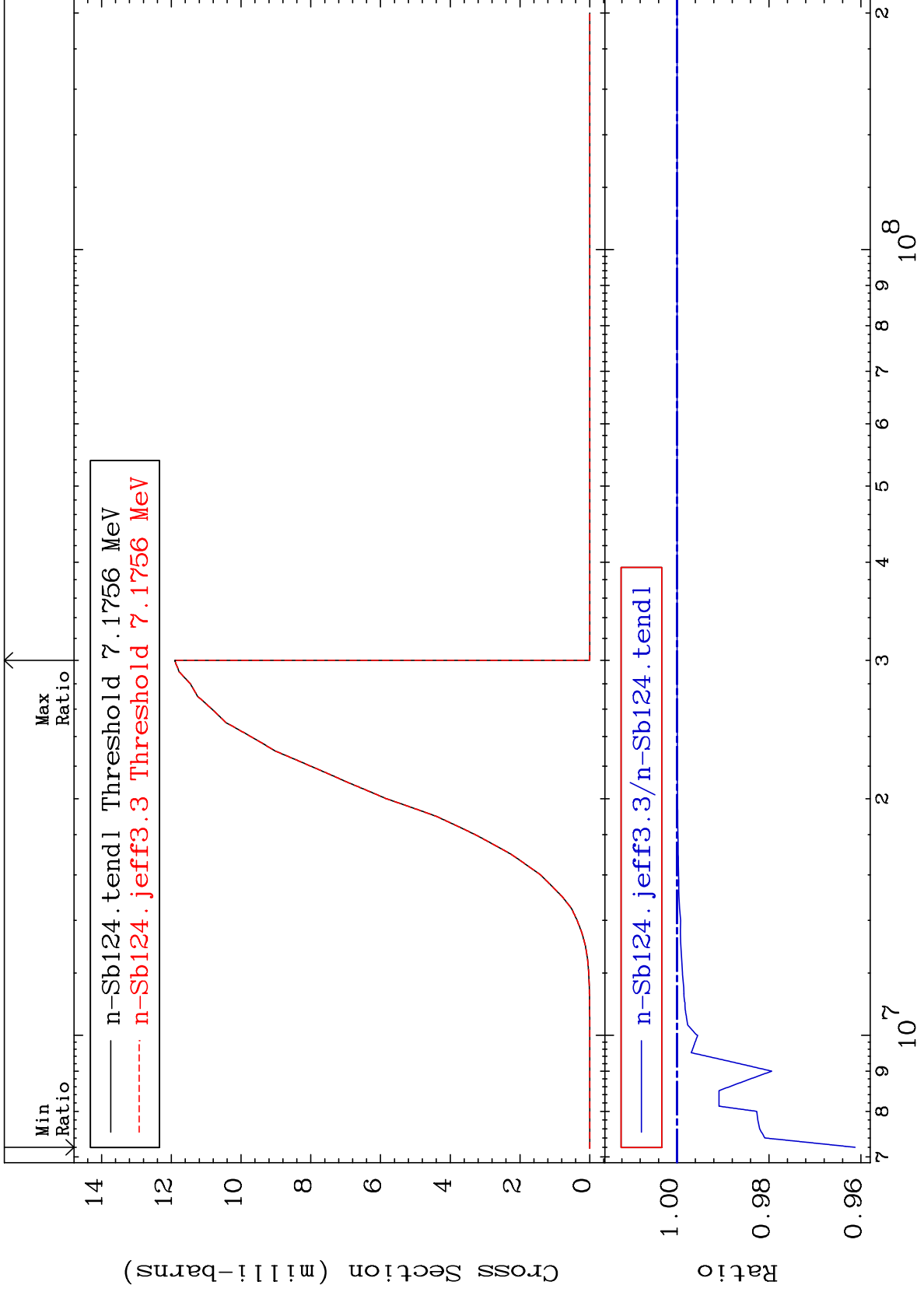
51-Sb-124

MAT 5134

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

51-Sb-124

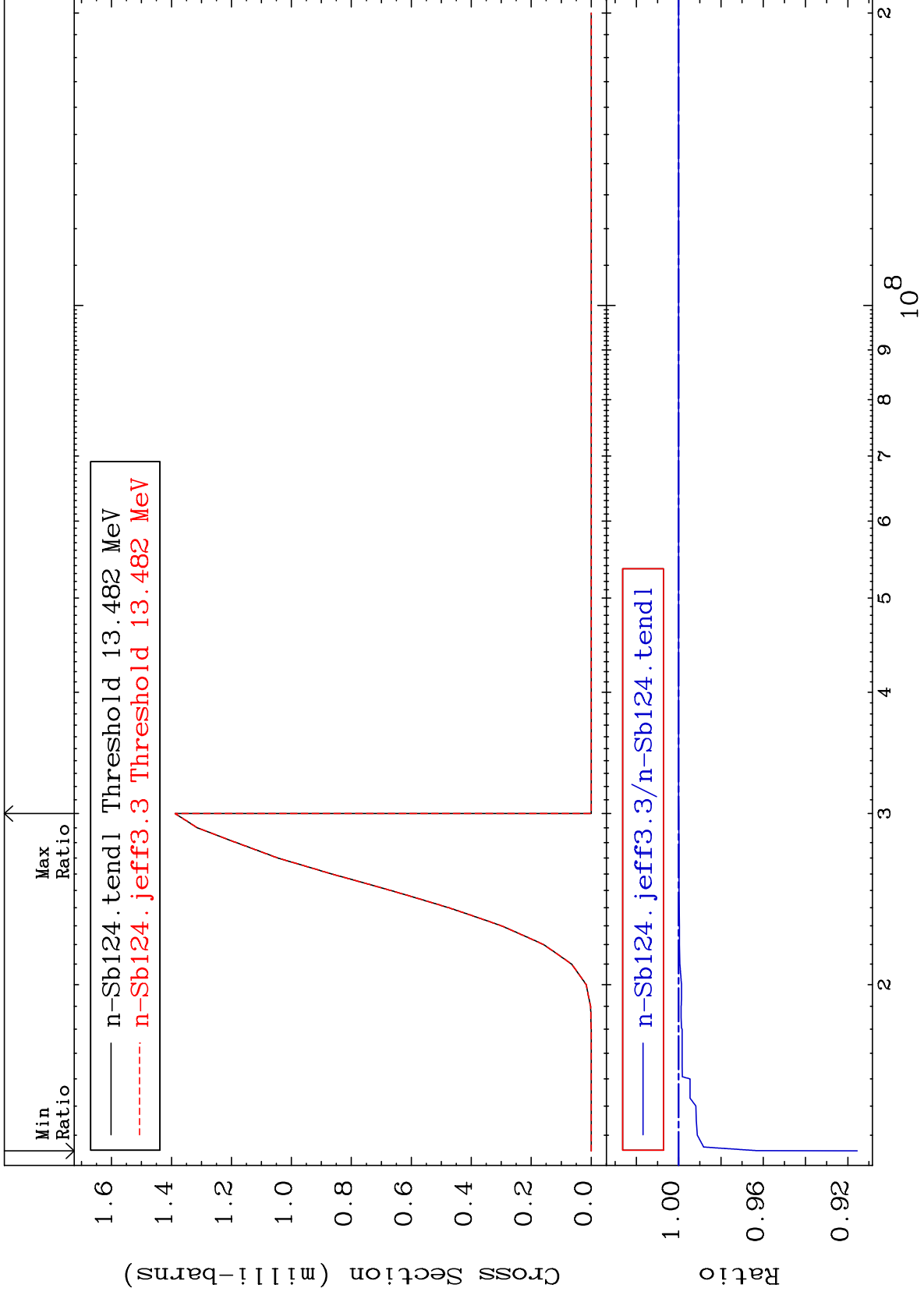
Radionuclide Production Cross Section -3.873 To 0.002 %



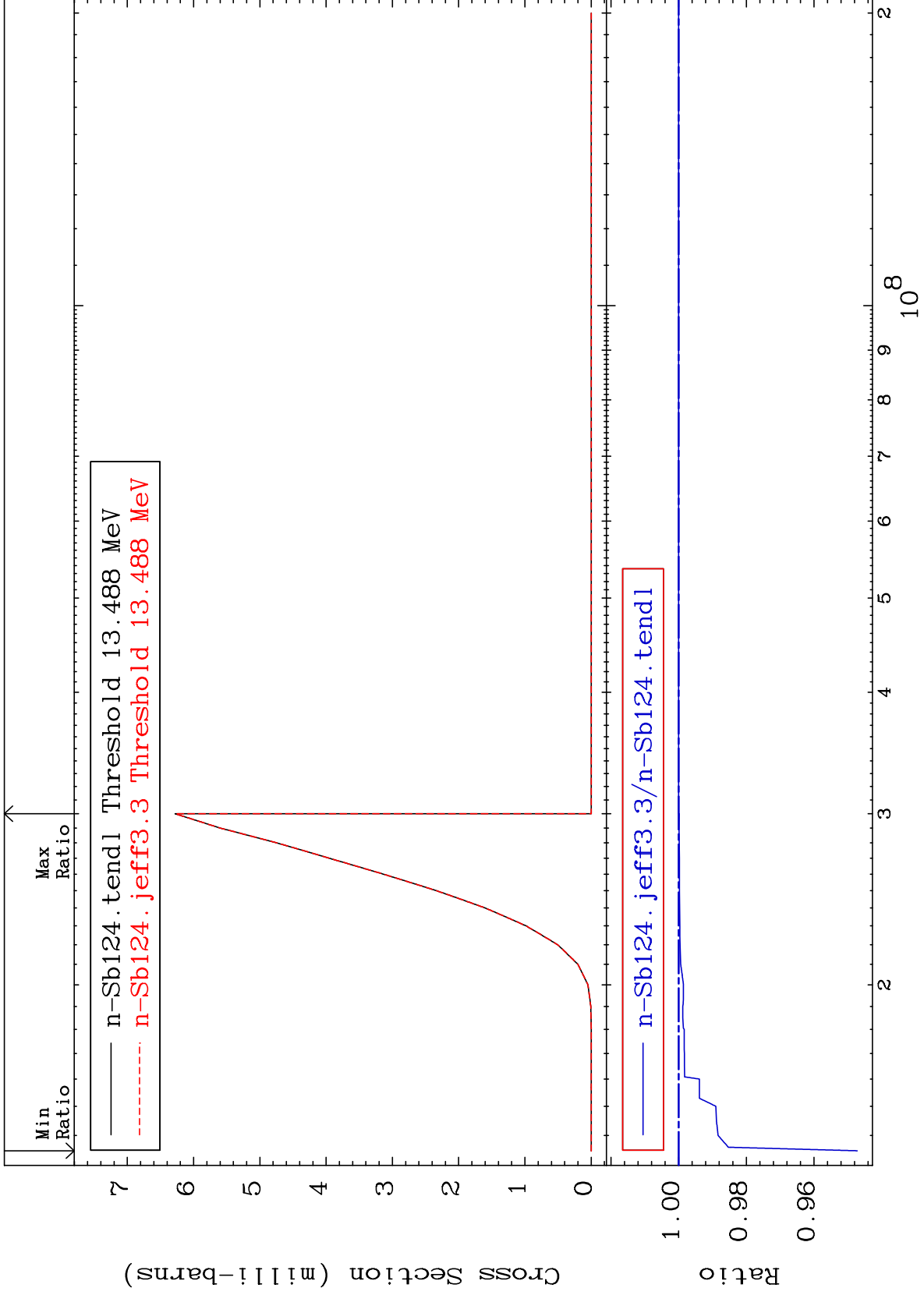
81

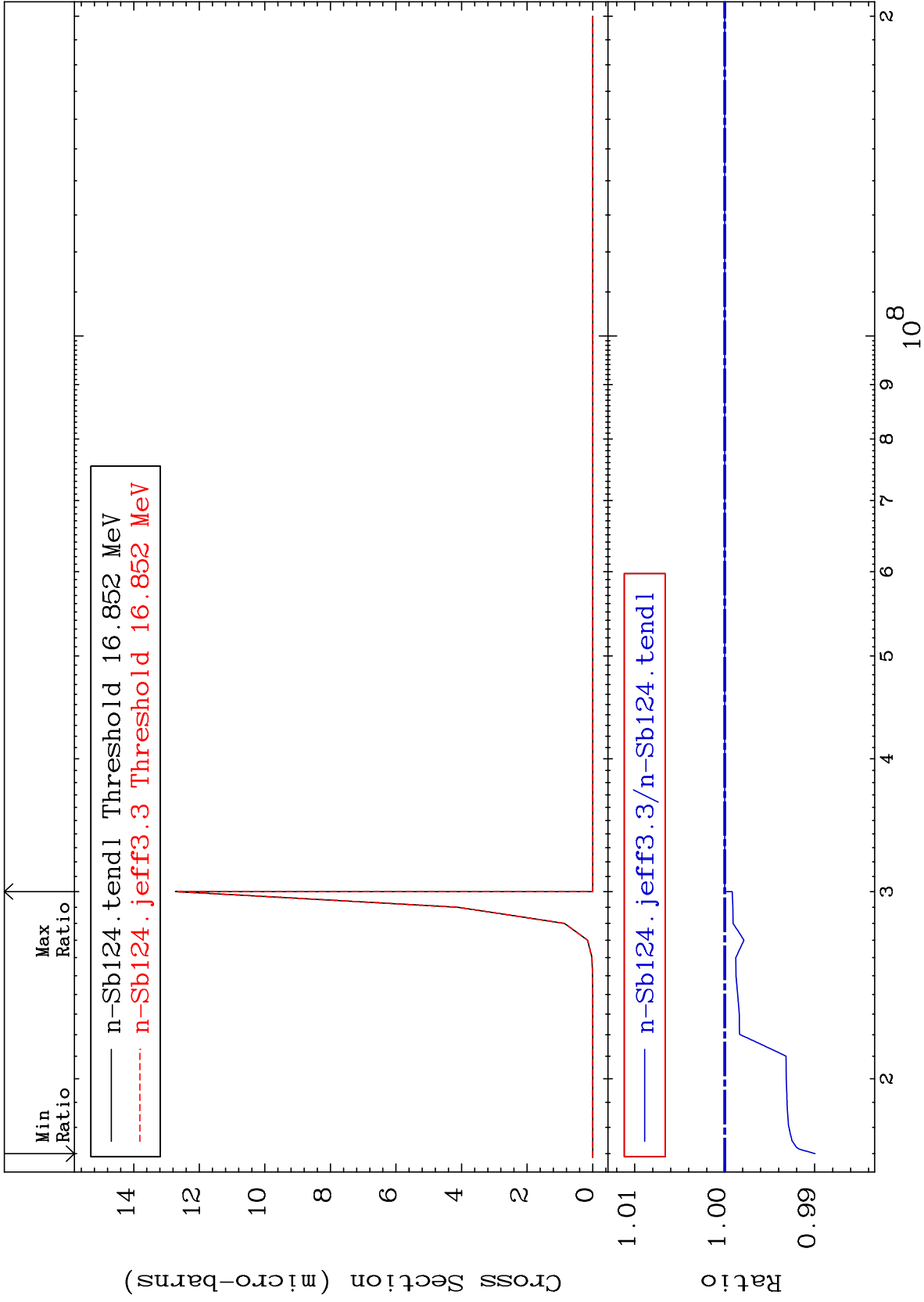
Incident Energy (eV)

51-Sb-124

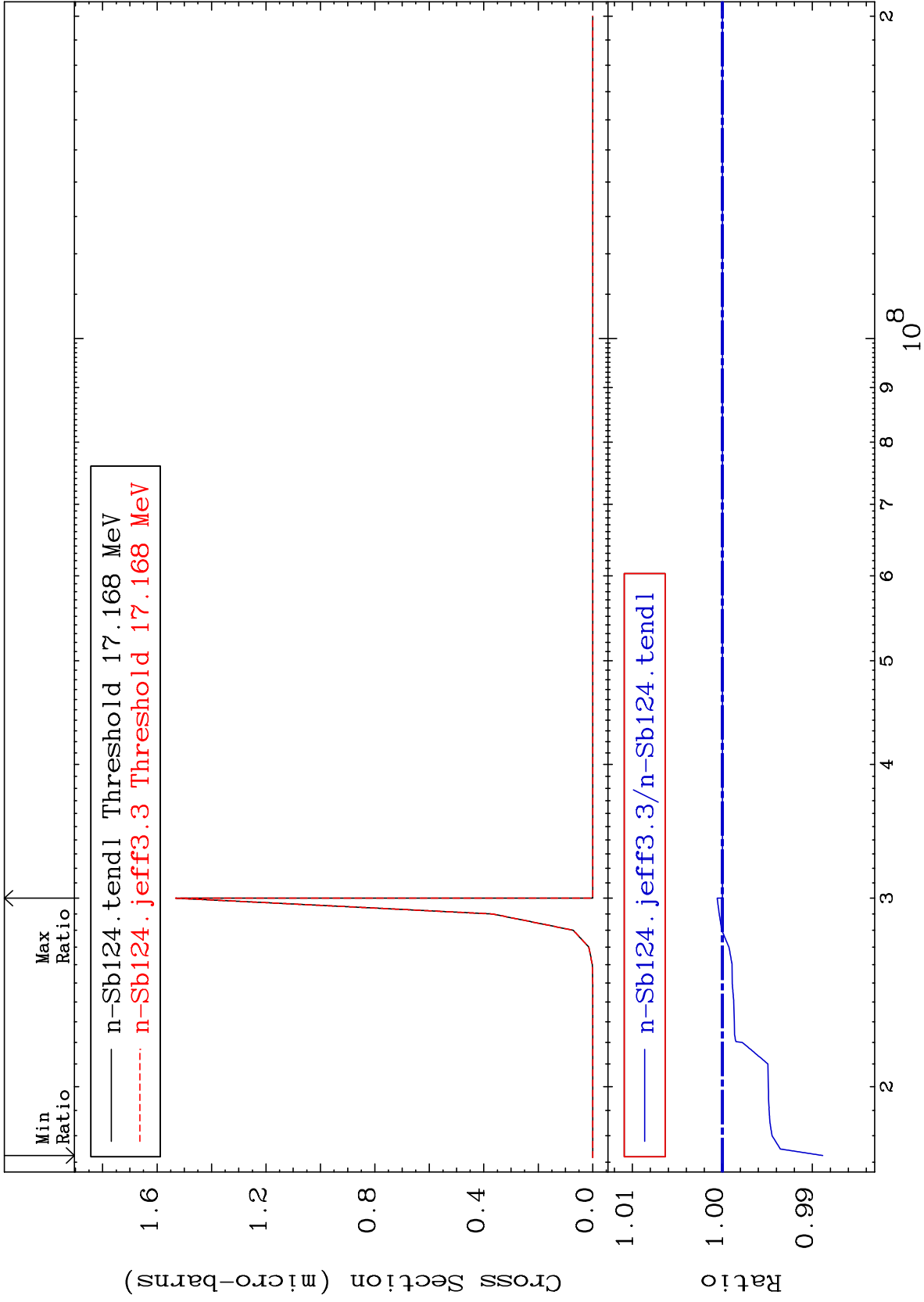


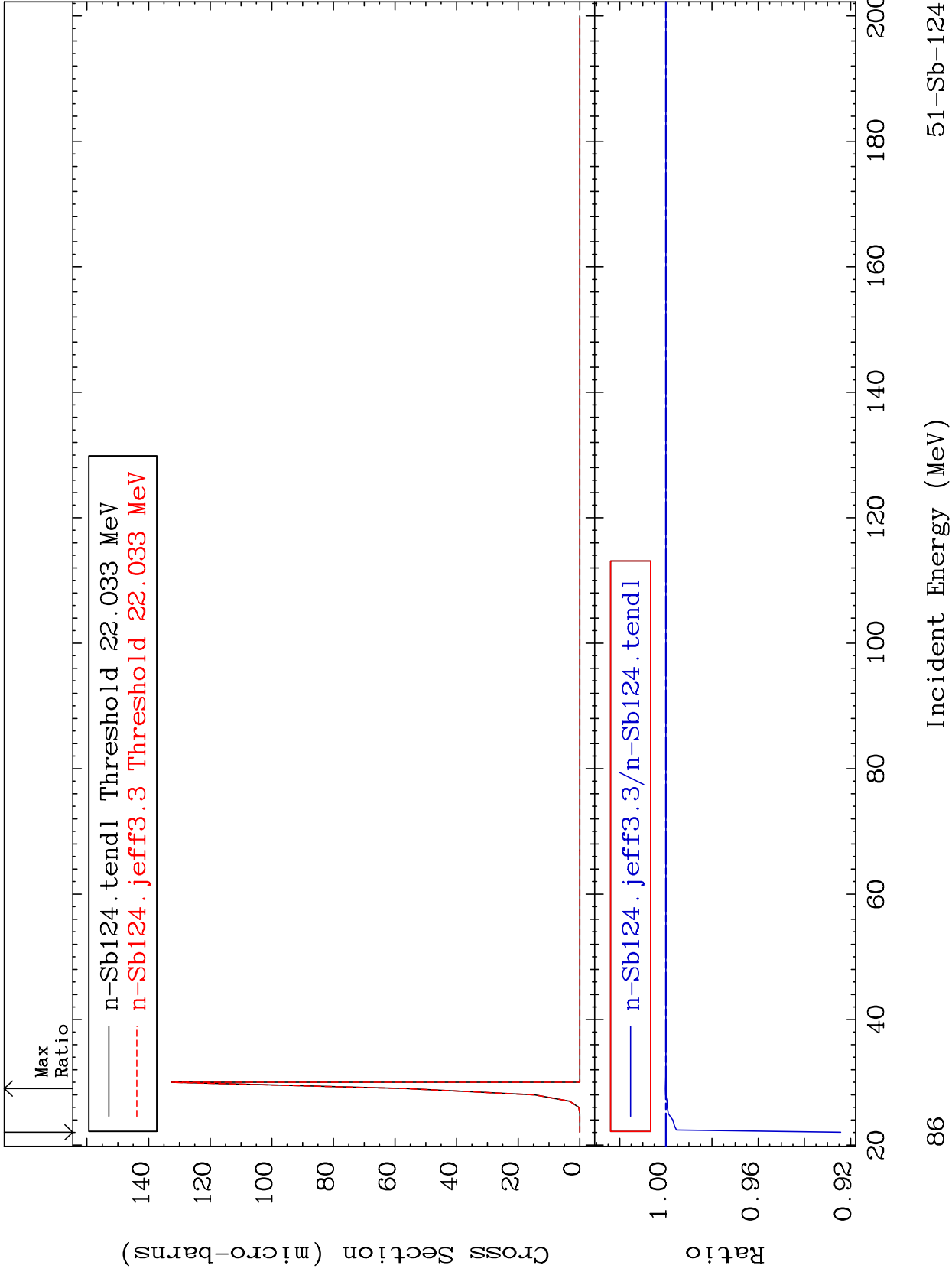
Radionuclide Production Cross Section -5.278 To 0.000 %





Radionuclide Production Cross Section -1.114 To 0.058 %





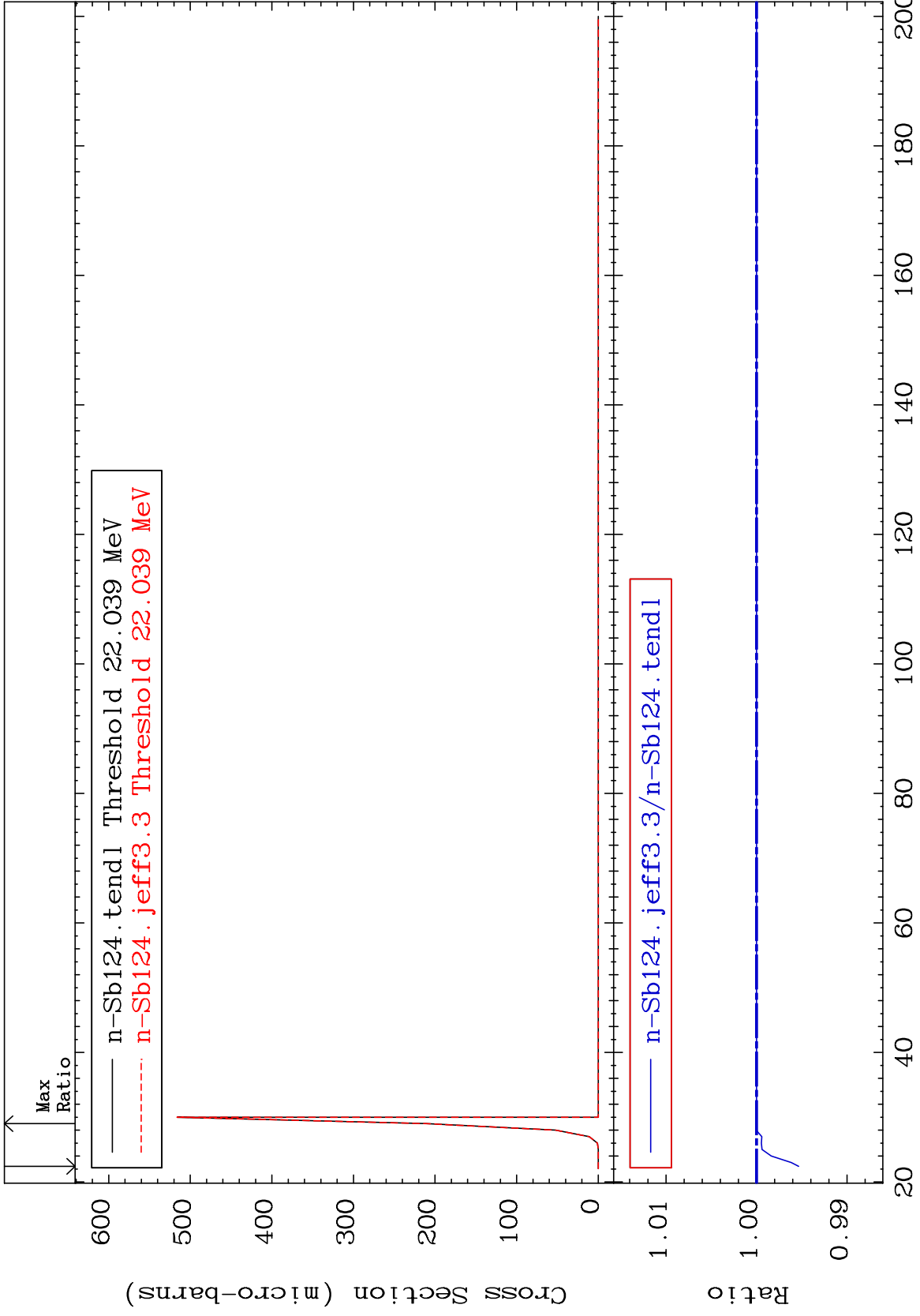
MAT 5134

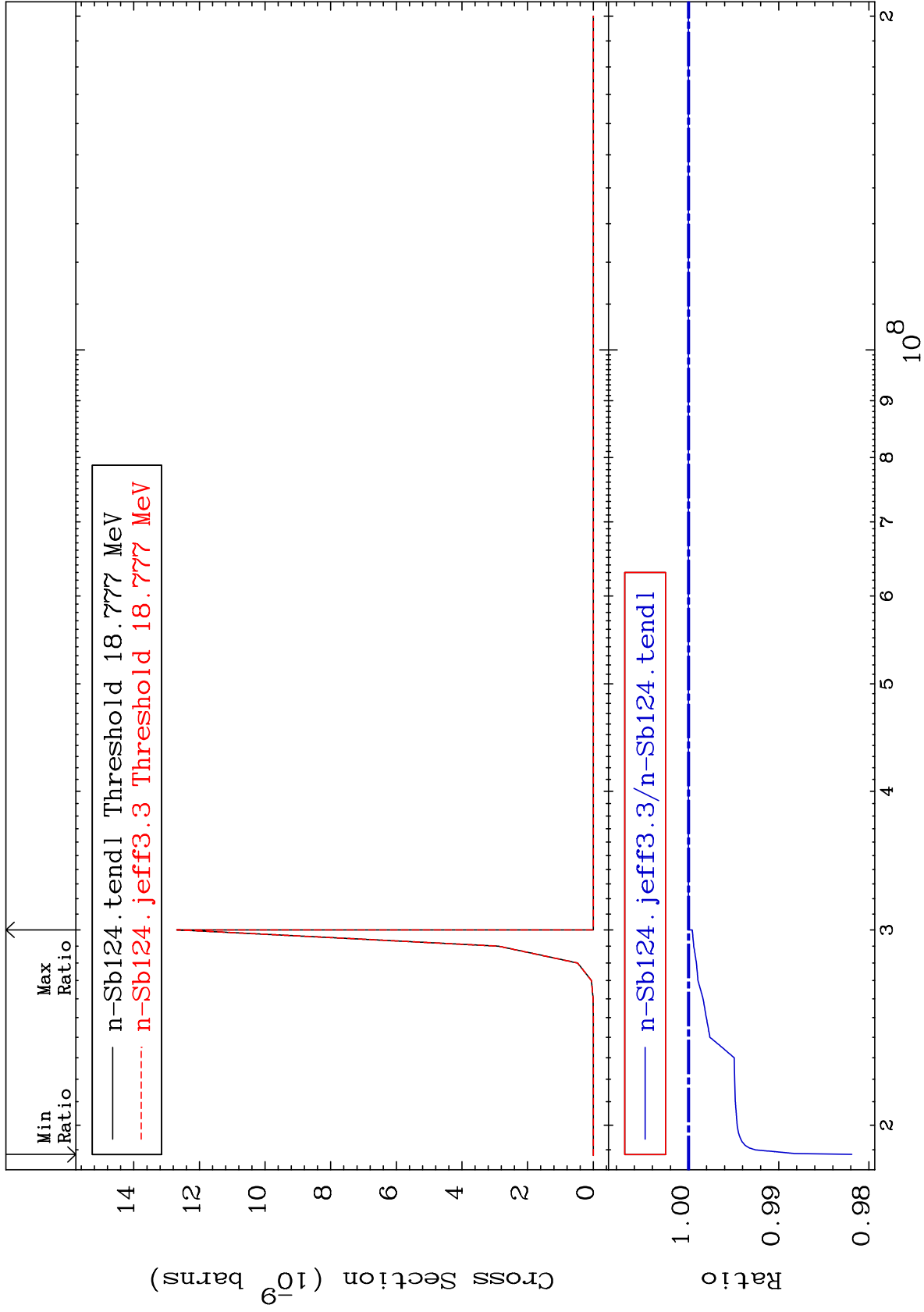
(n,3n) p:50-Sn-121m1

51-Sb-124

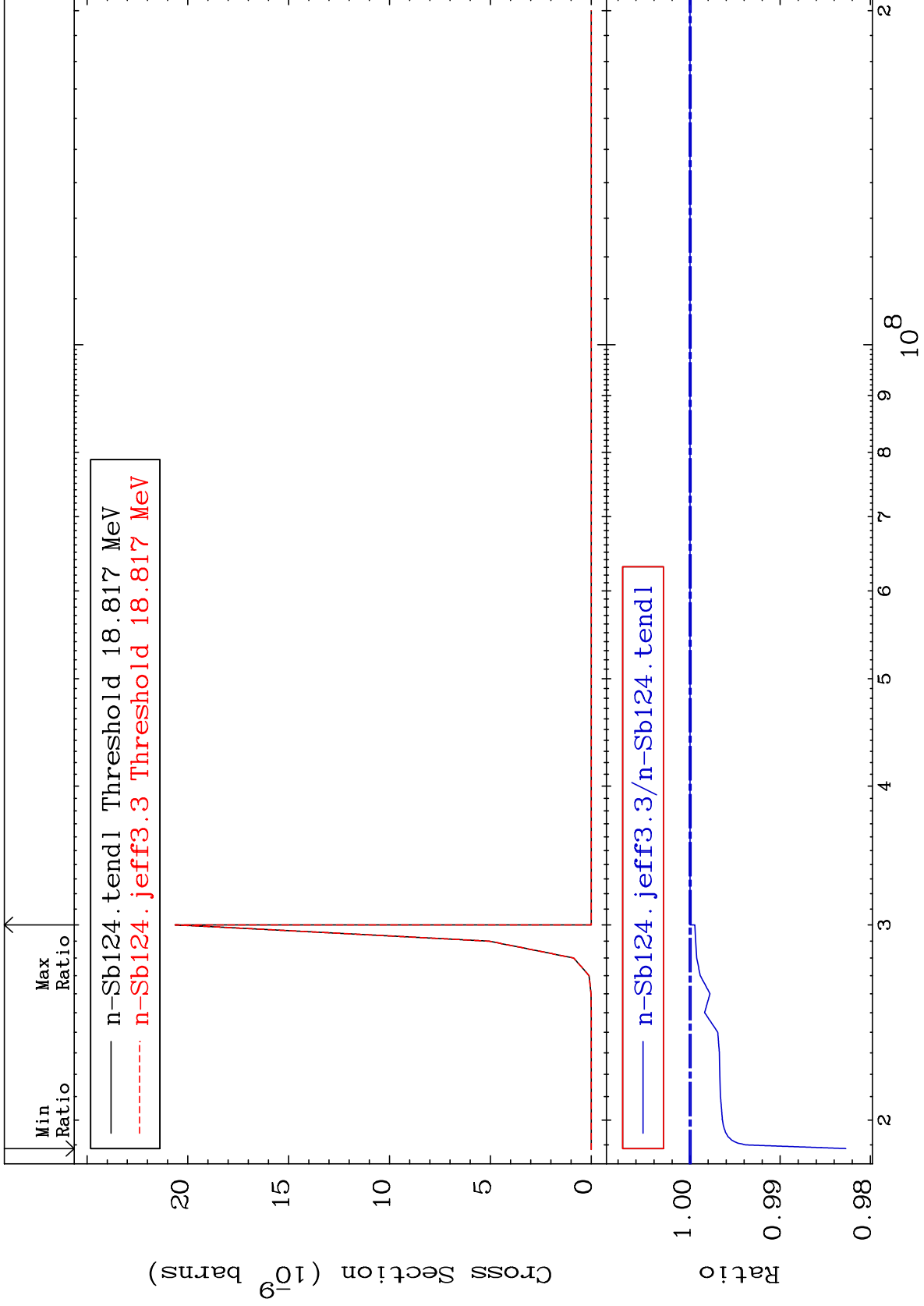
Radionuclide Production Cross Section

-0.464 To 0.010 %

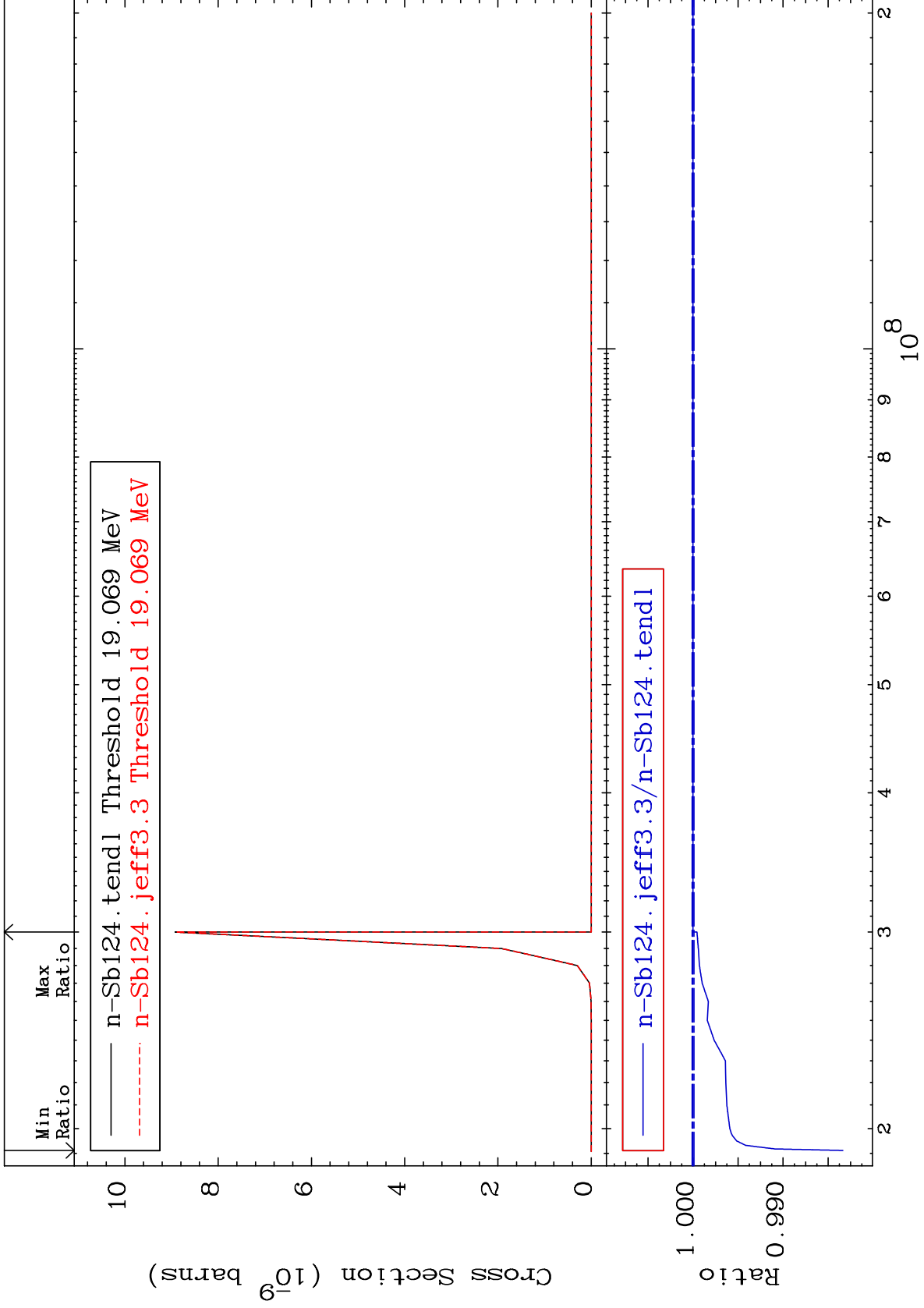




Radionuclide Production Cross Section -1.728 To 0.000 %



Radionuclide Production Cross Section -1.664 To 0.000 %

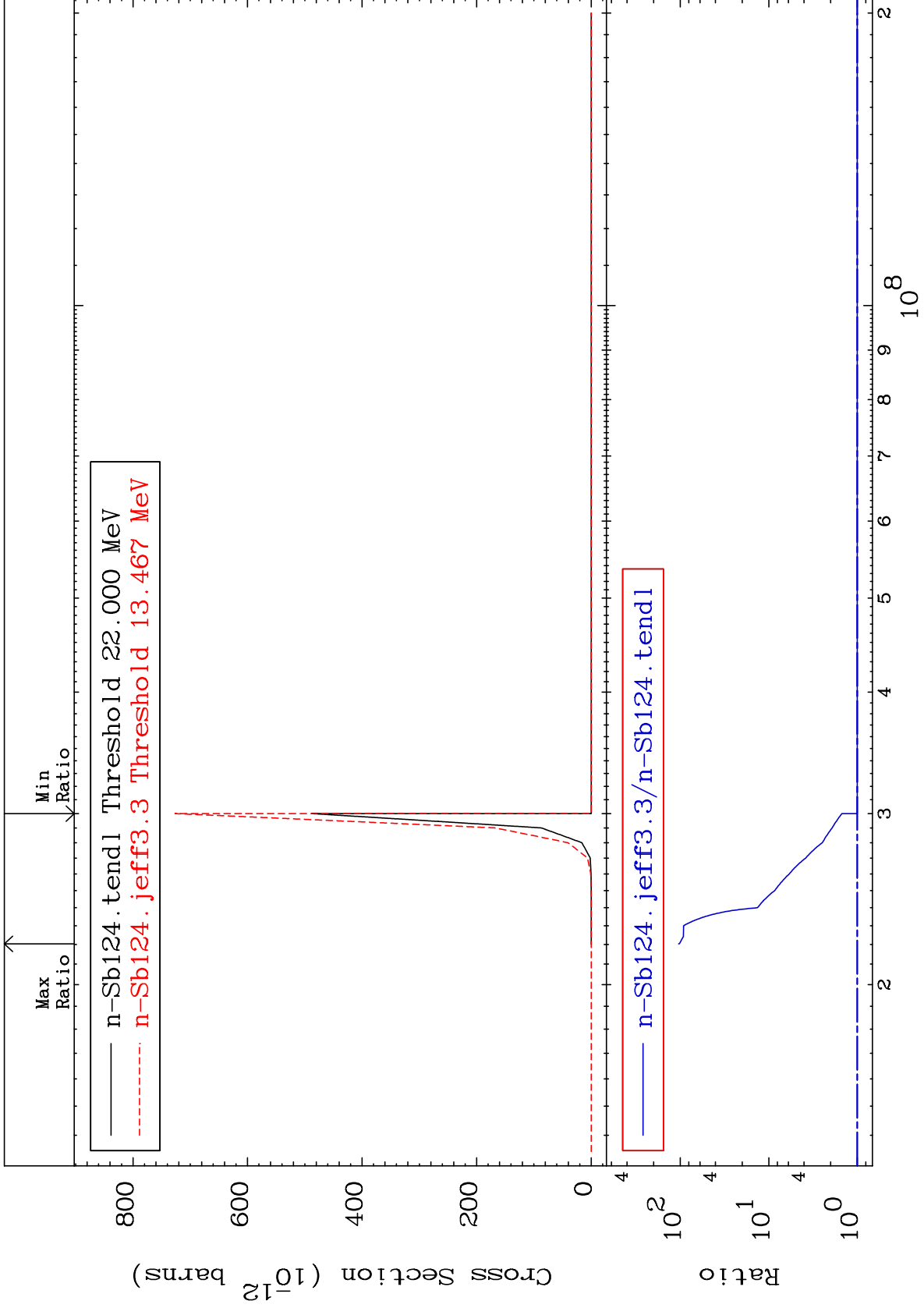


MAT 5134

(n,n') p α :48-Cd-119g

51-Sb-124
To 9999. %

Radionuclide Production Cross Section 0.000

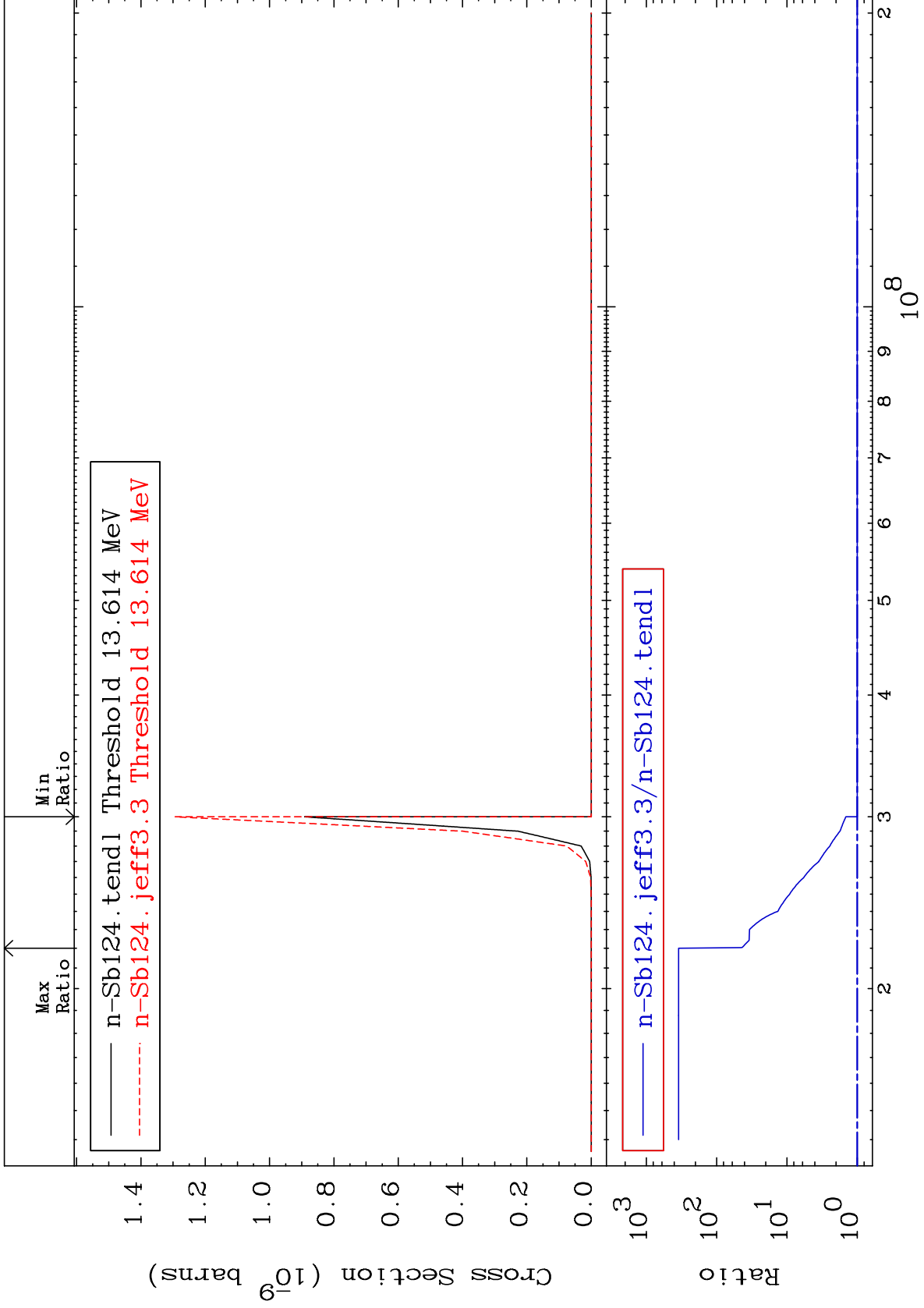


MAT 5134

(n, n') p α :48-Cd-119m2

51-Sb-124

Radionuclide Production Cross Section 0.000 To 9999. %

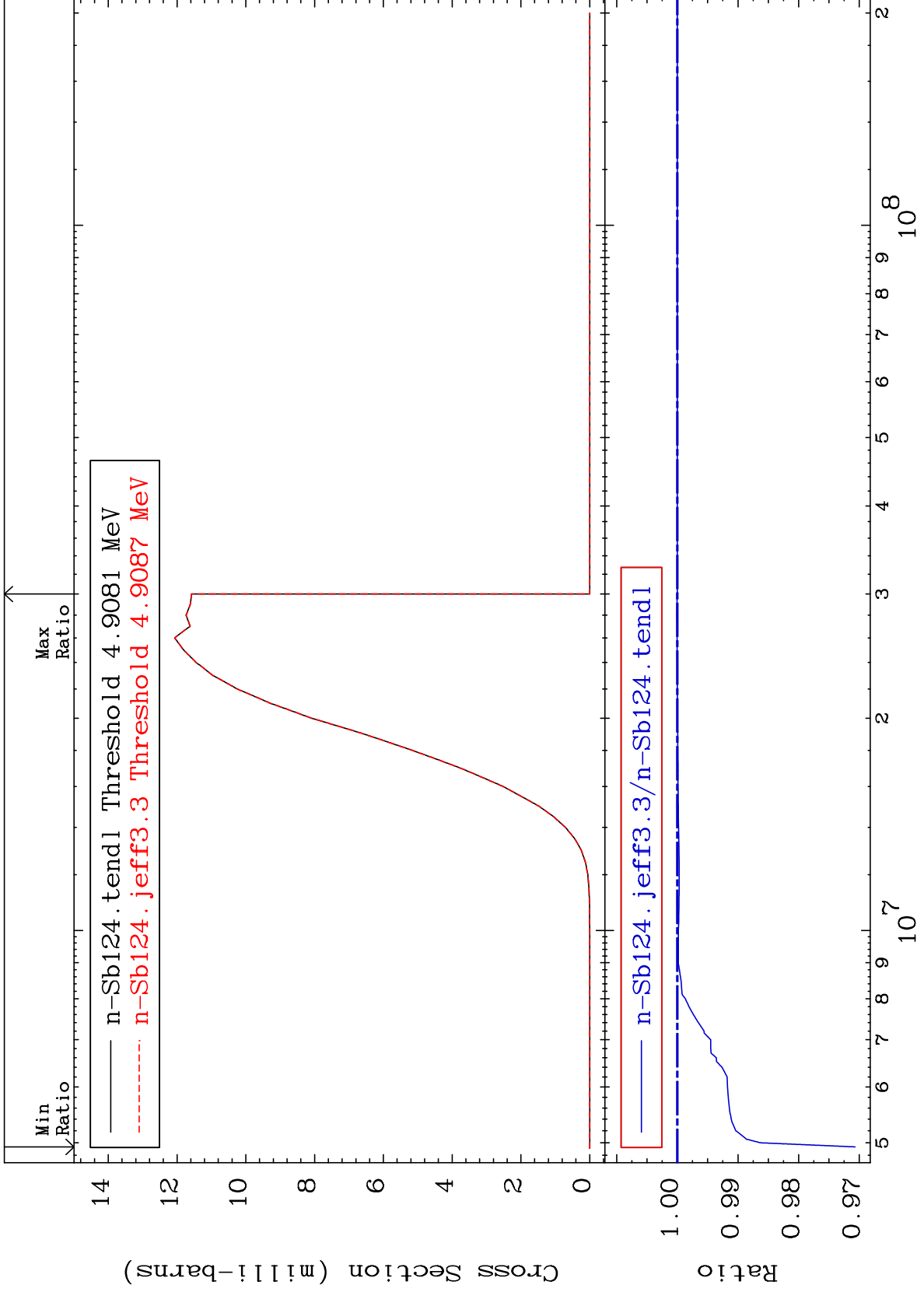


MAT 5134

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

51-Sb-124

Radionuclide Production Cross Section -2.931 To 0.007 %



93

Incident Energy (eV)

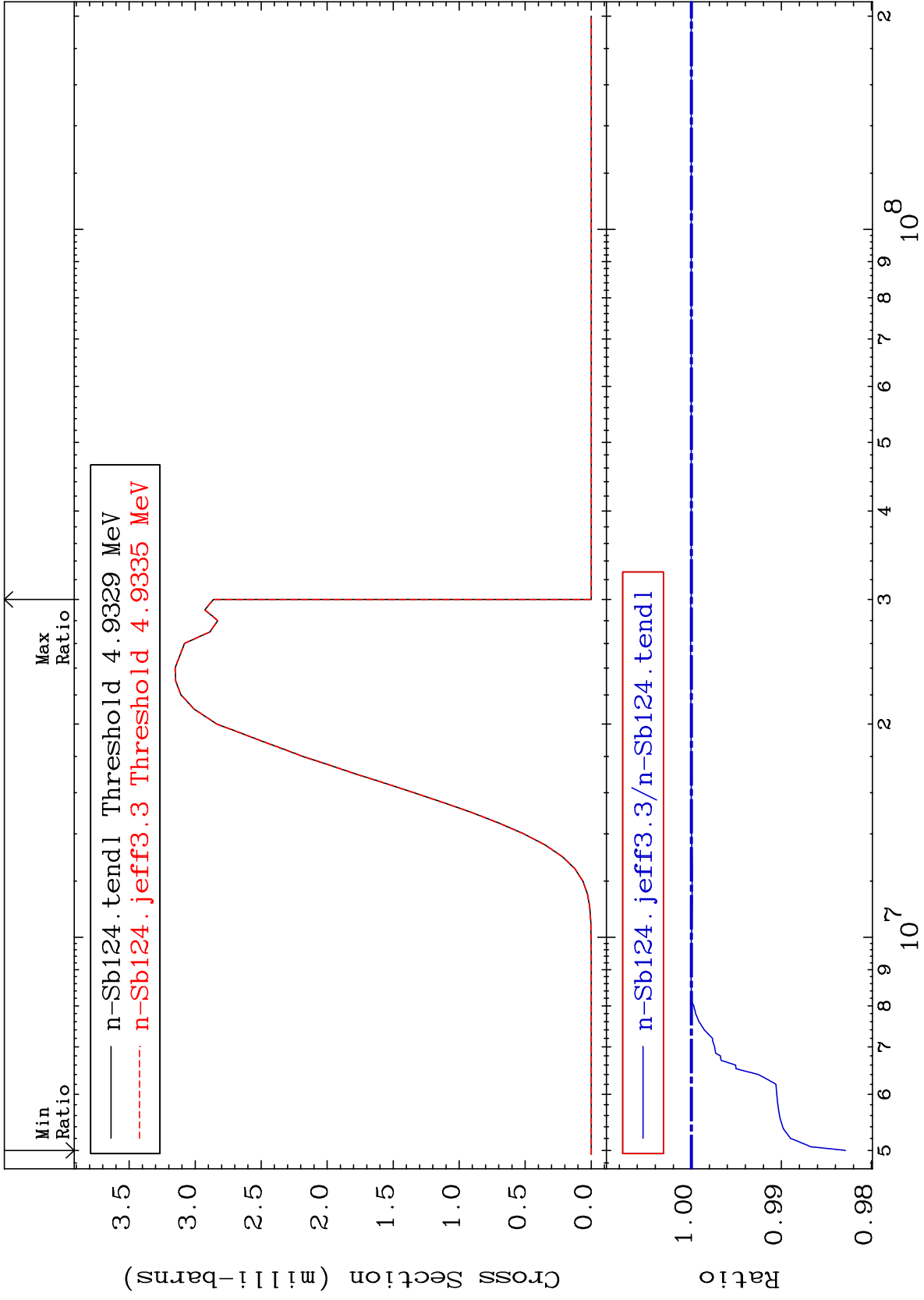
51-Sb-124

MAT 5134

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

51-Sb-124

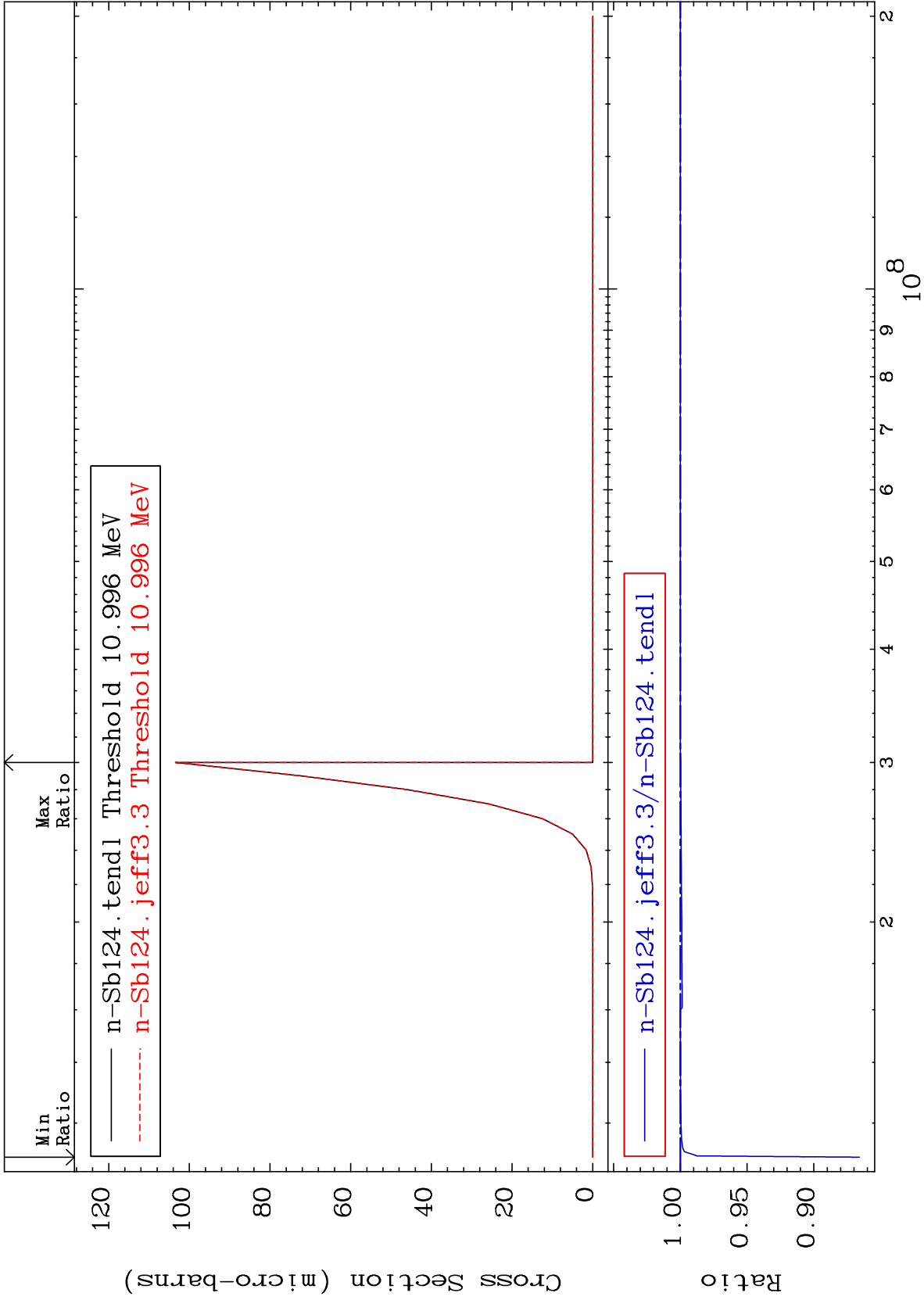
Radionuclide Production Cross Section -1.709 To 0.008 %



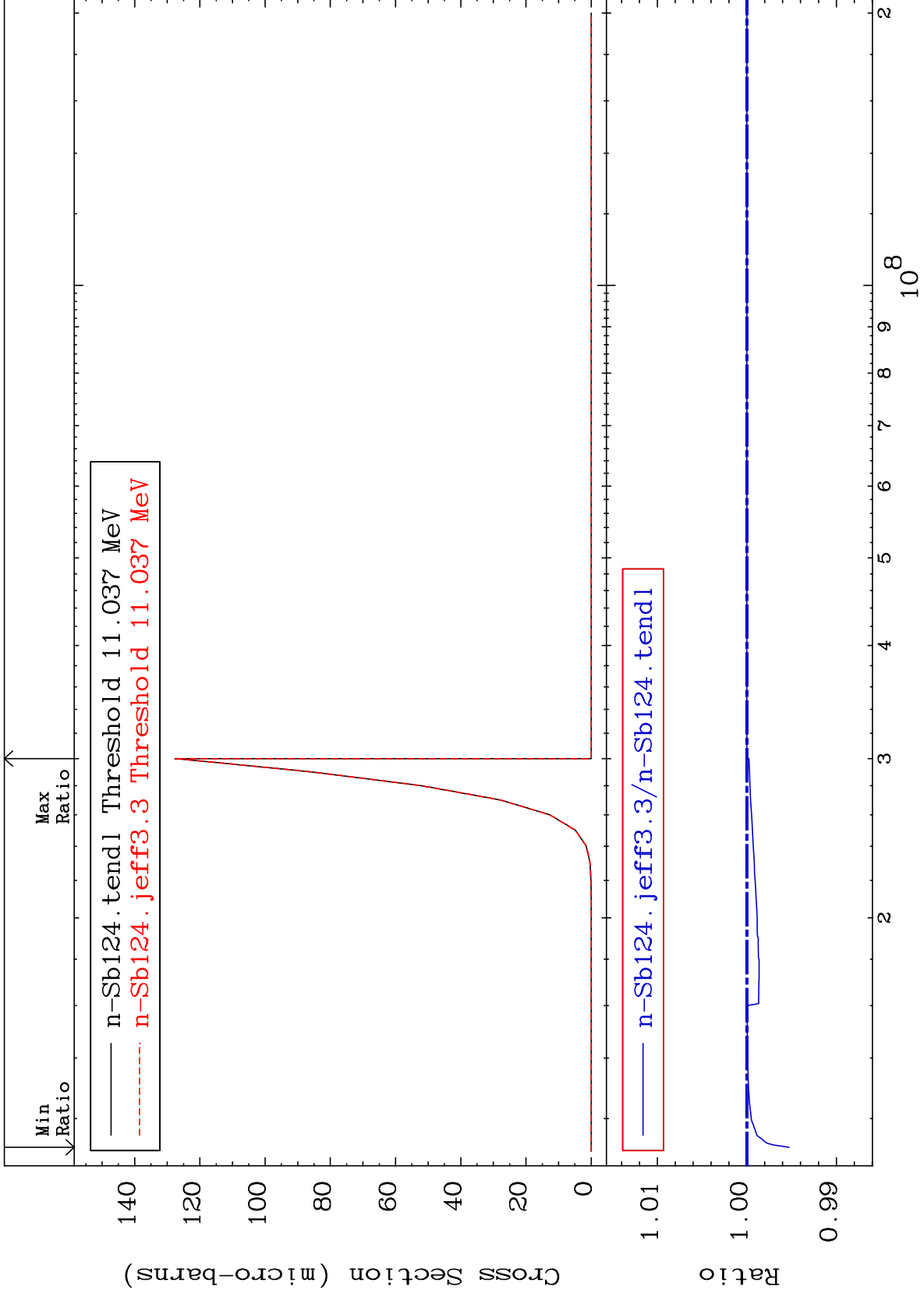
94

Incident Energy (eV)

51-Sb-124



Radionuclide Production Cross Section -0.471 To 0.000 %

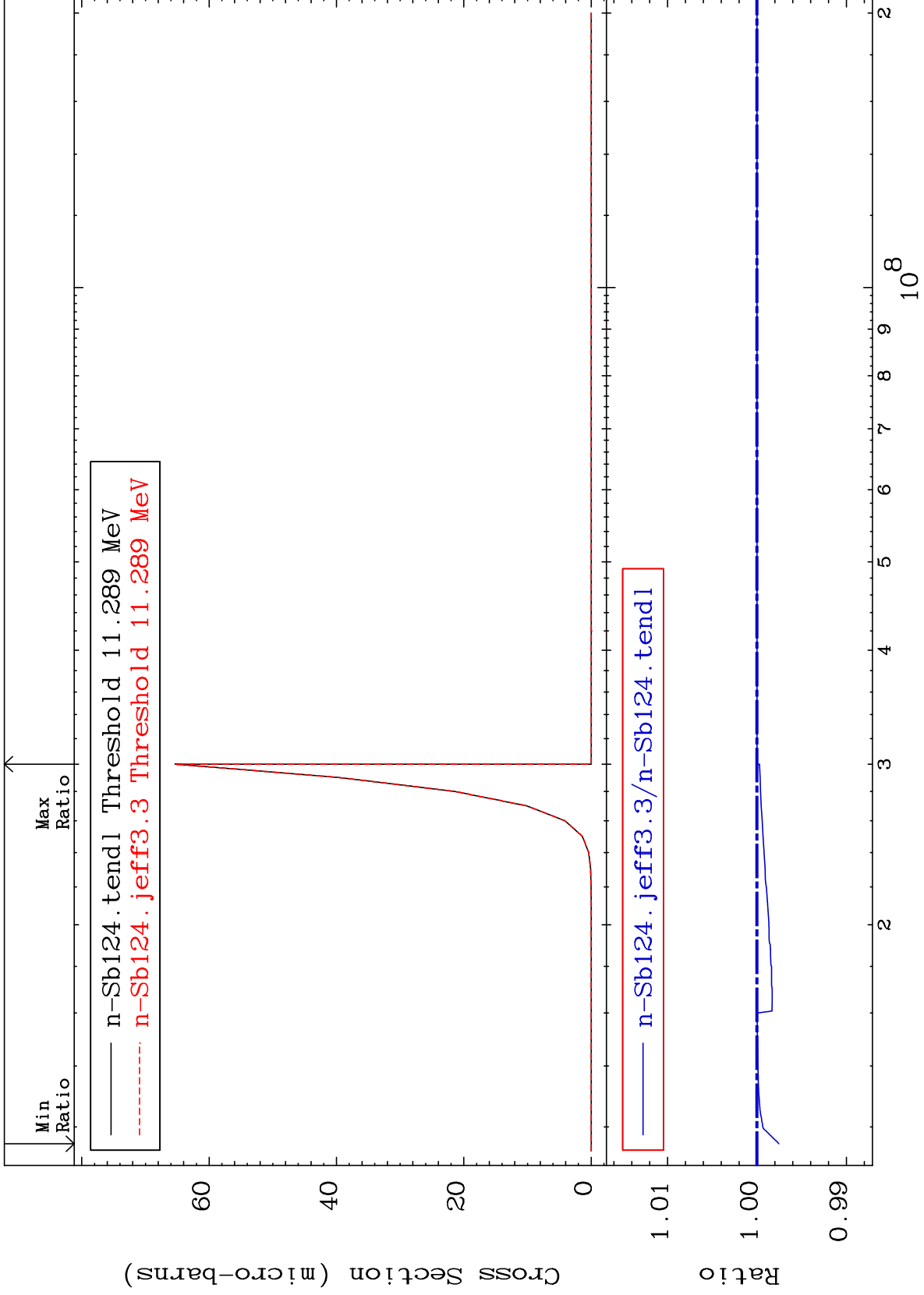


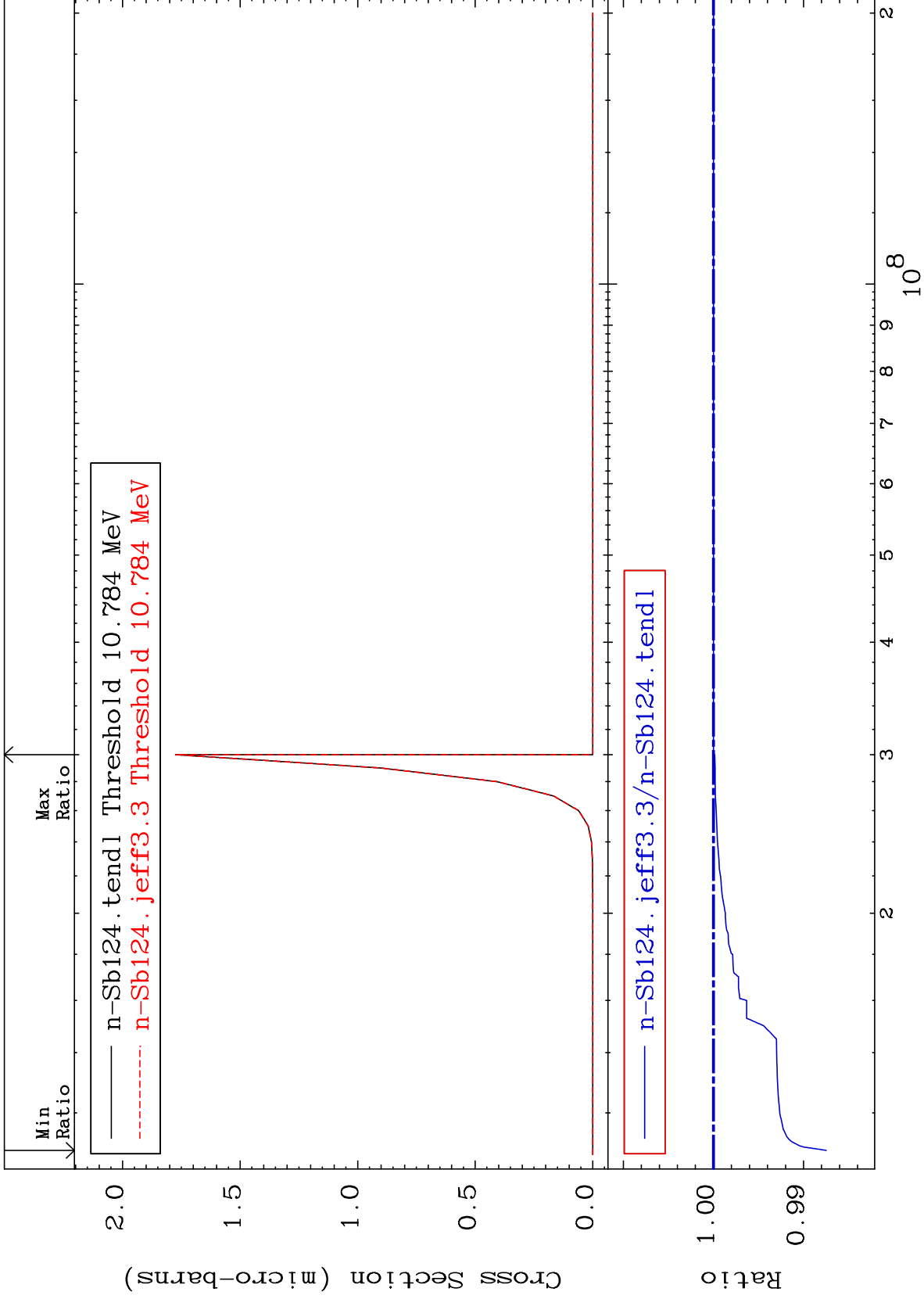
MAT 5134

(n,He-3):49-In-122m5

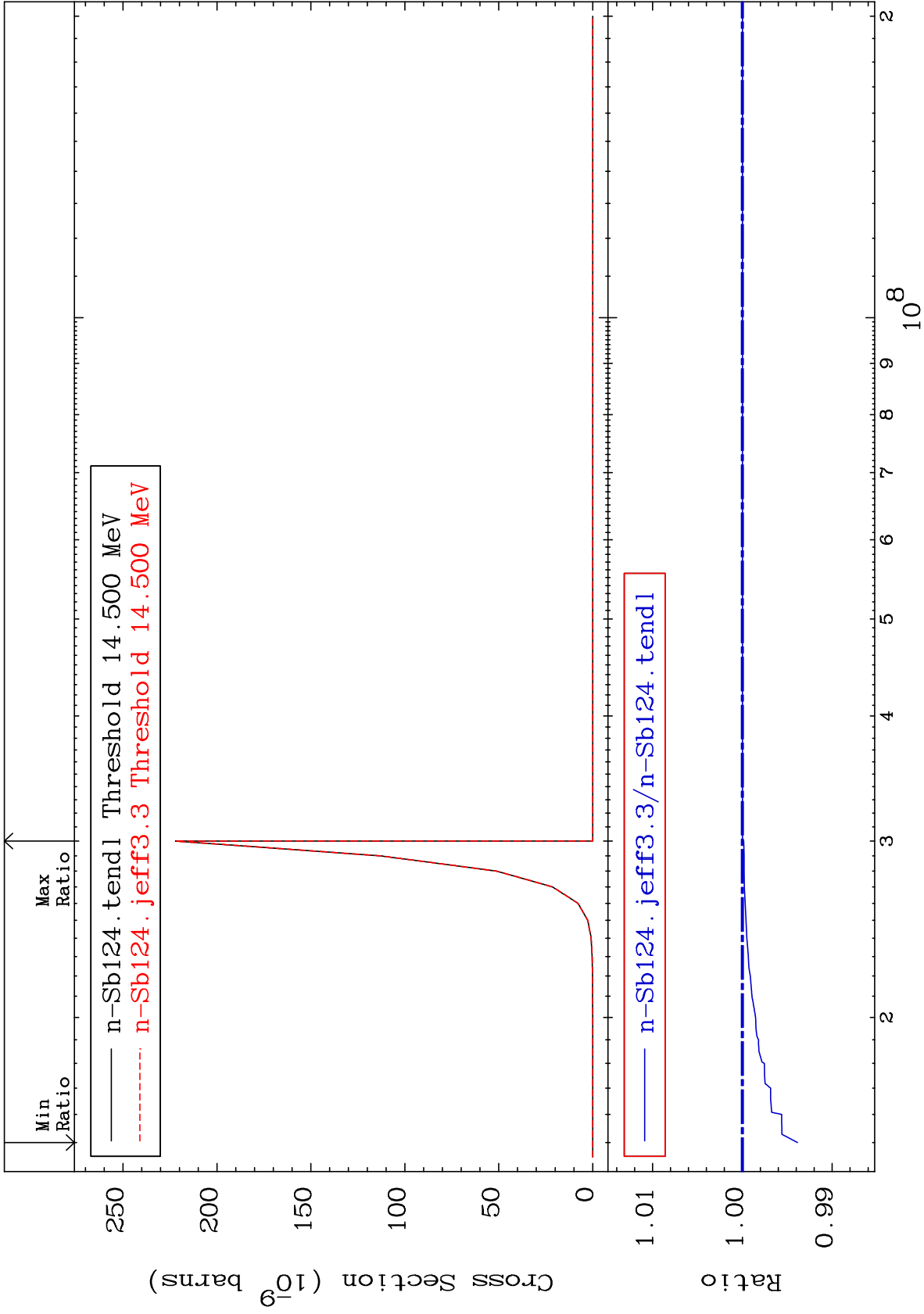
51-Sb-124

Radionuclide Production Cross Section -0.246 To 0.000 %





Radionuclide Production Cross Section -0.613 To 0.000 %



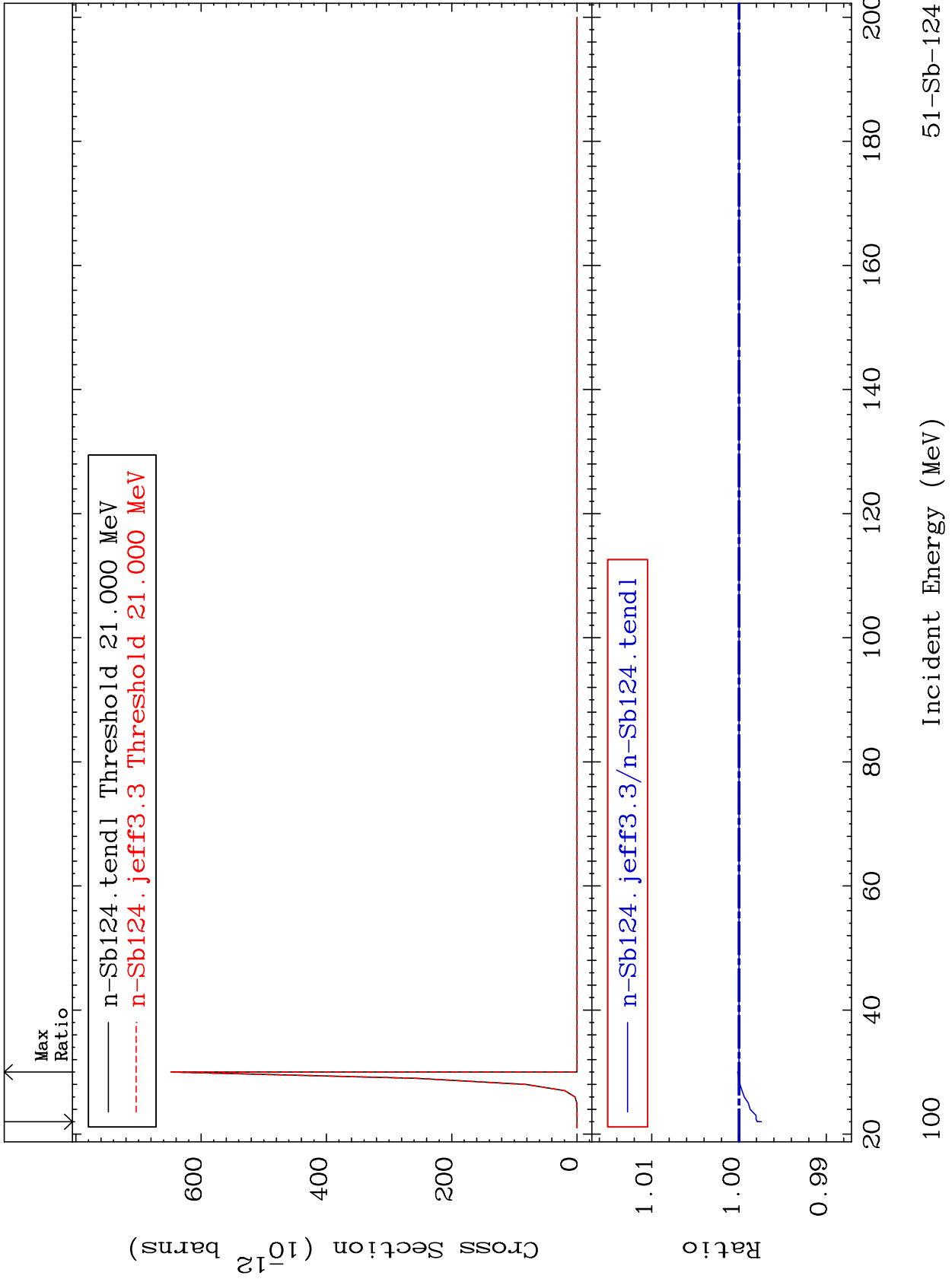
MAT 5134

(n, p) d:49-In-122g

51-Sb-124

Radionuclide Production Cross Section

-0.255 To 0.016 %

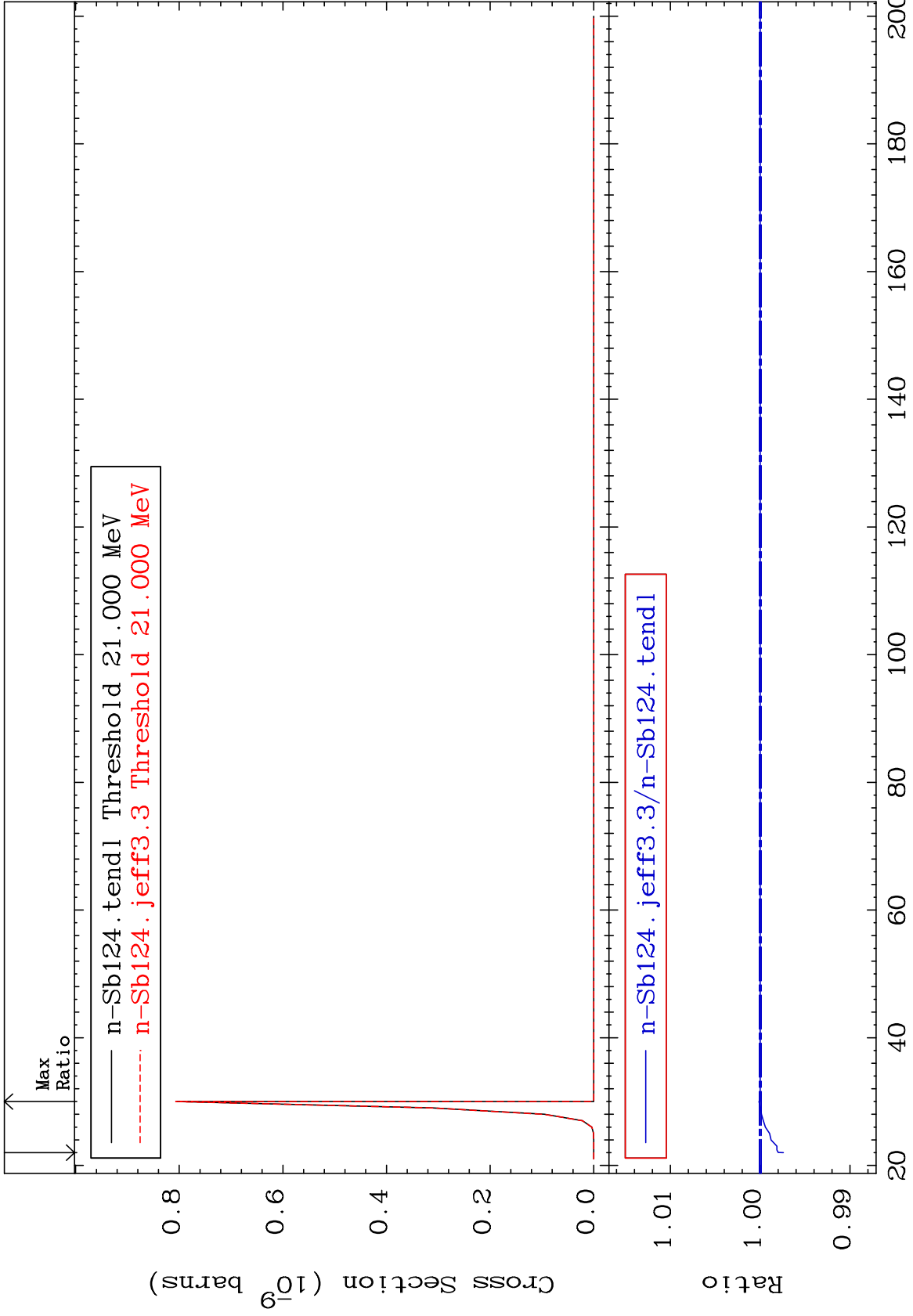


MAT 5134

(n,p) d:49-In-122m1

51-Sb-124

Radionuclide Production Cross Section -0.258 To 0.015 %



101

Incident Energy (MeV)

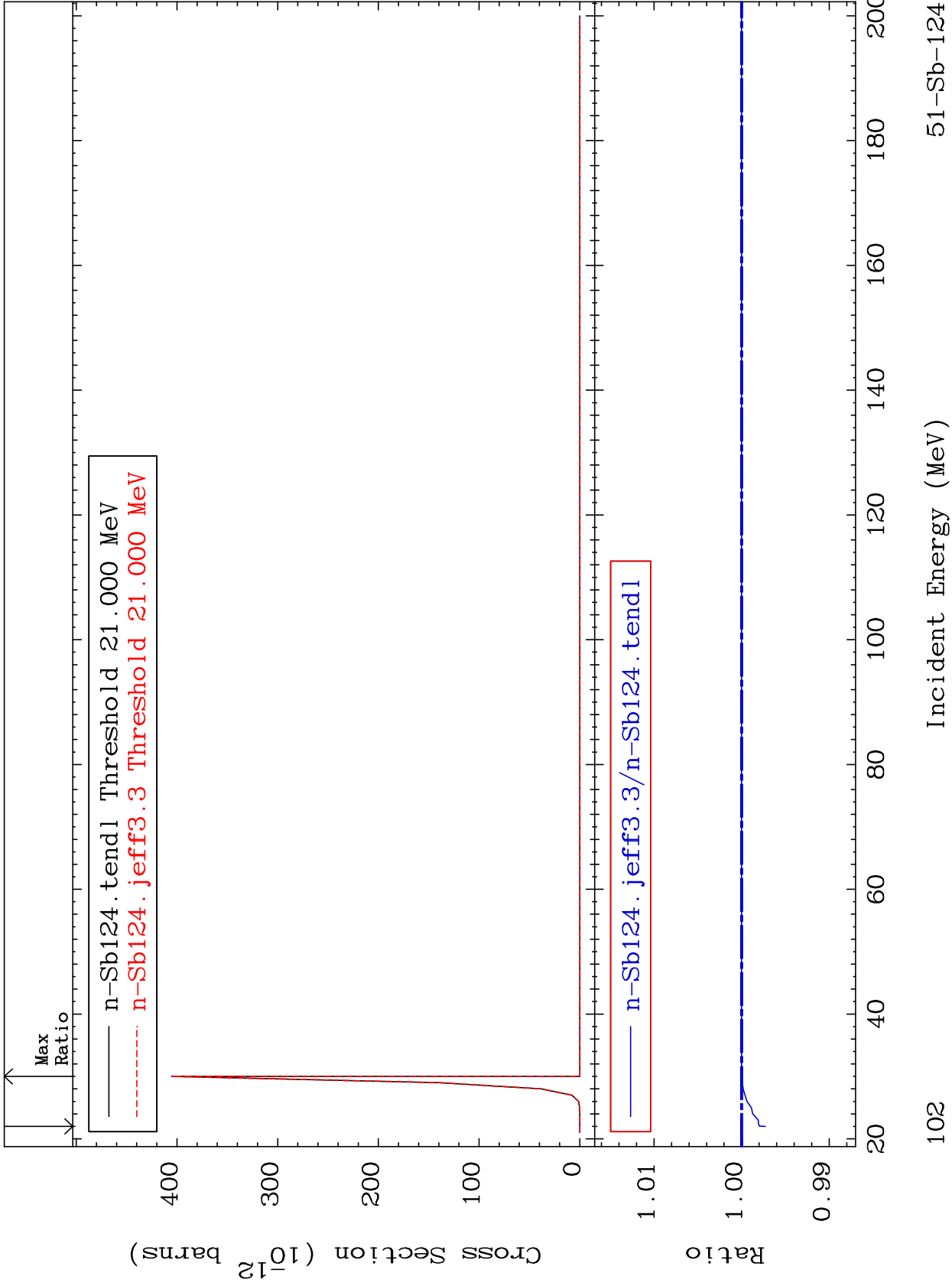
51-Sb-124

MAT 5134

(n,p) d:49-In-122m5

51-Sb-124

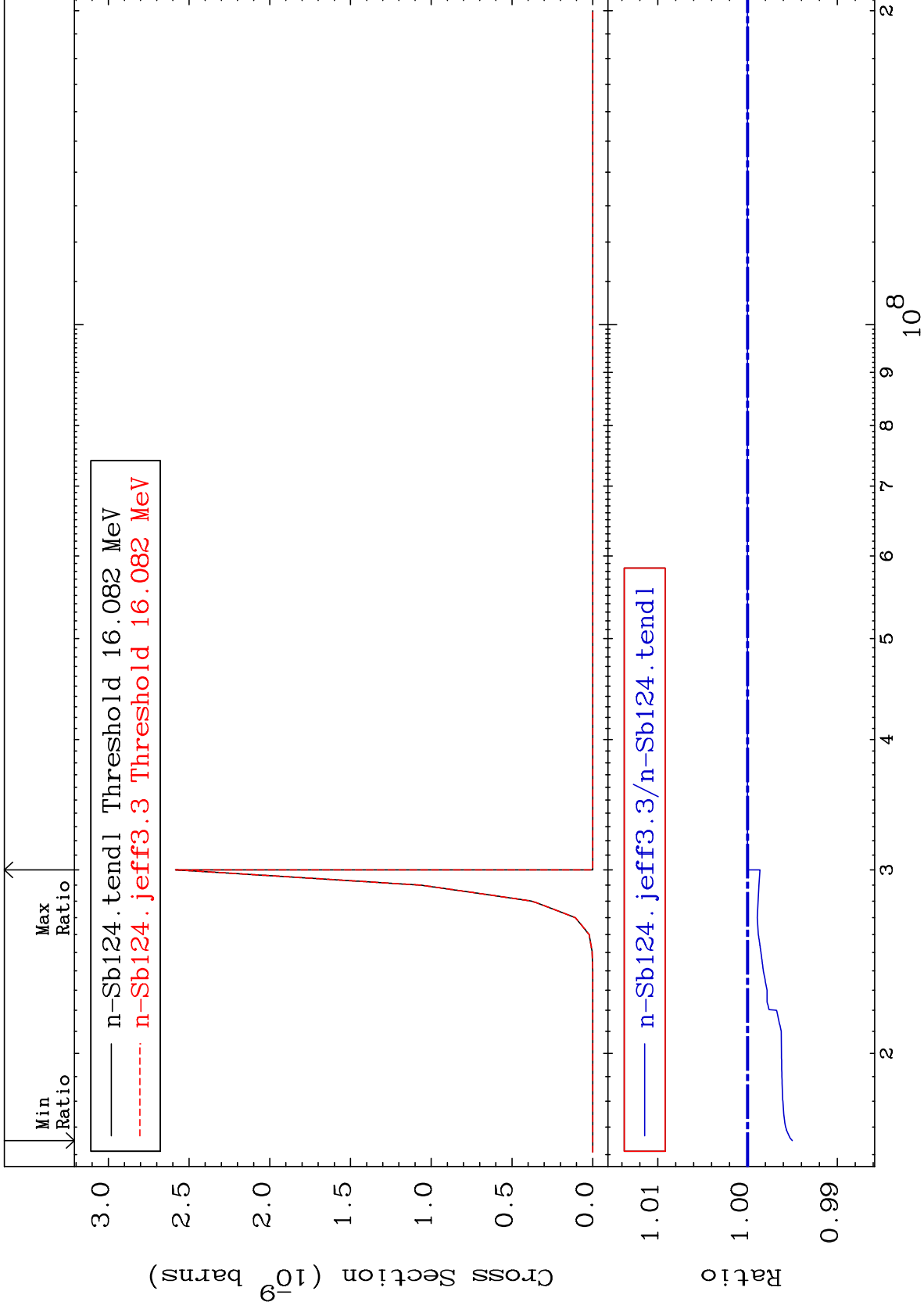
Radionuclide Production Cross Section -0.271 To 0.010 %



102

Incident Energy (MeV)

51-Sb-124

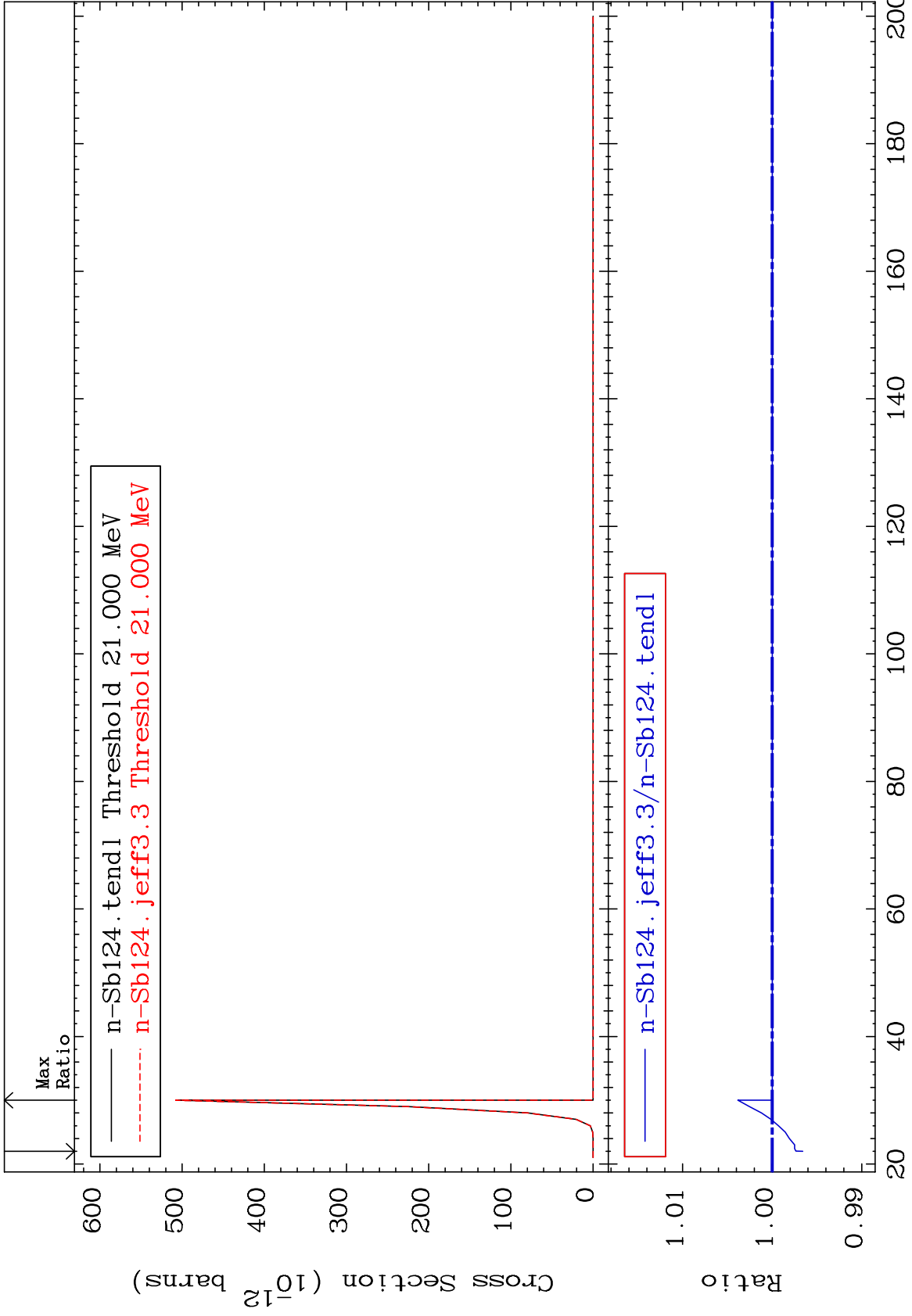


MAT 5134

(n,p) t:49-In-121m1

51-Sb-124

Radionuclide Production Cross Section -0.341 To 0.383 %



104

Incident Energy (MeV)

51-Sb-124