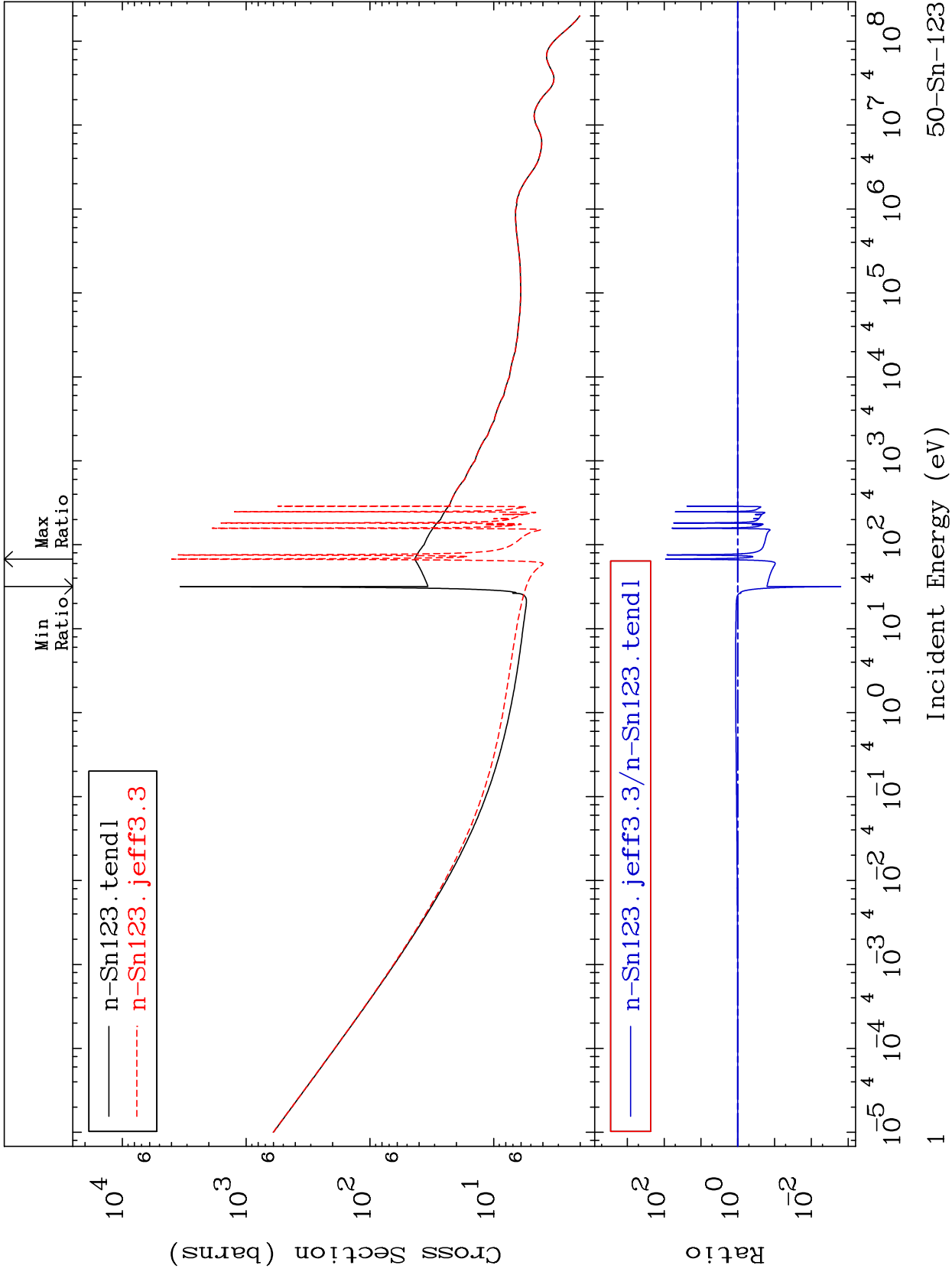


MAT 5058

Total Cross Section
50-Sn-123
-99.84 To 9088. %

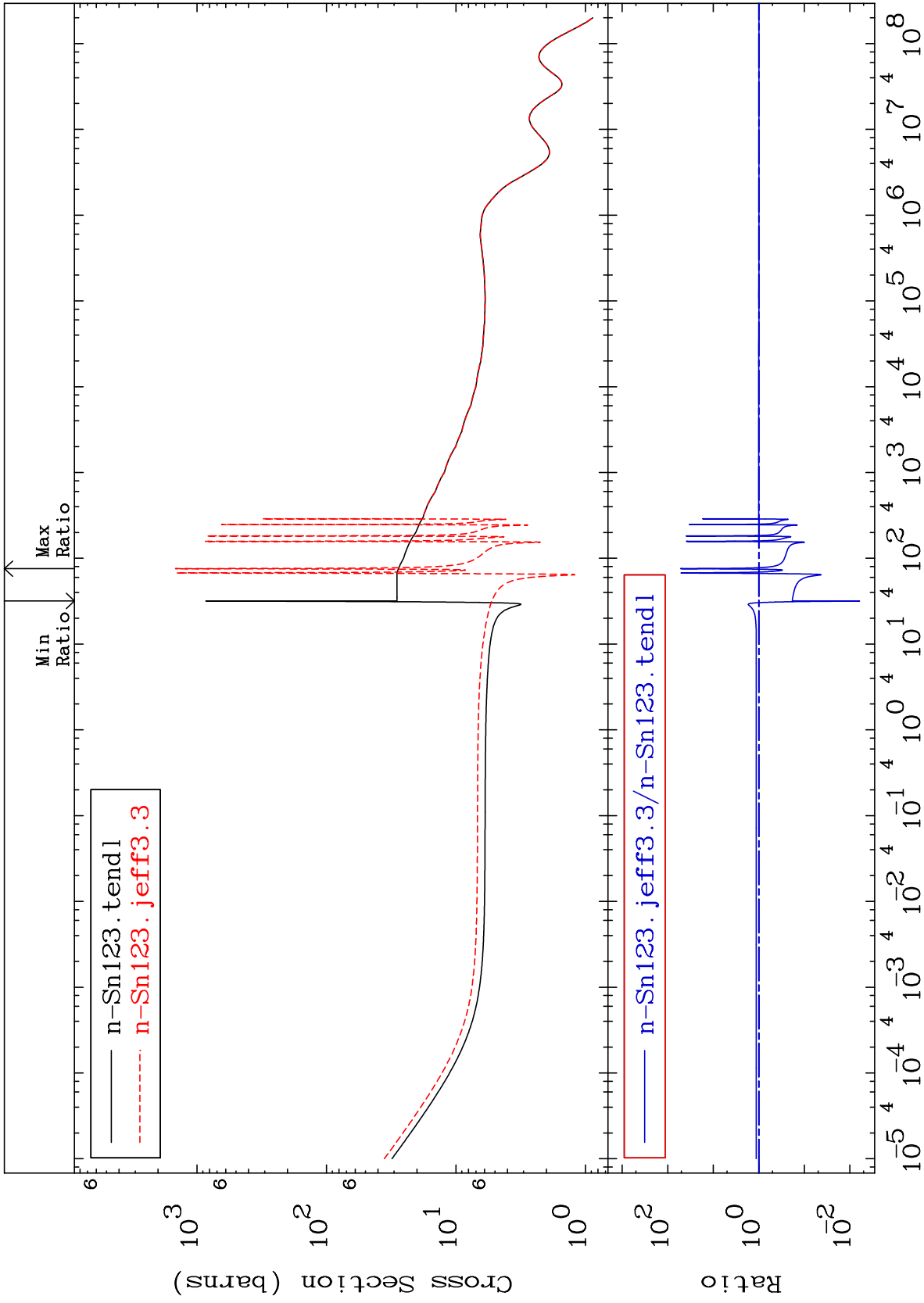


50-Sn-123

MAT 5058

Elastic
Cross Section

50-Sn-123
-99.38 To 5179. %



Incident Energy (eV)

50-Sn-123

2

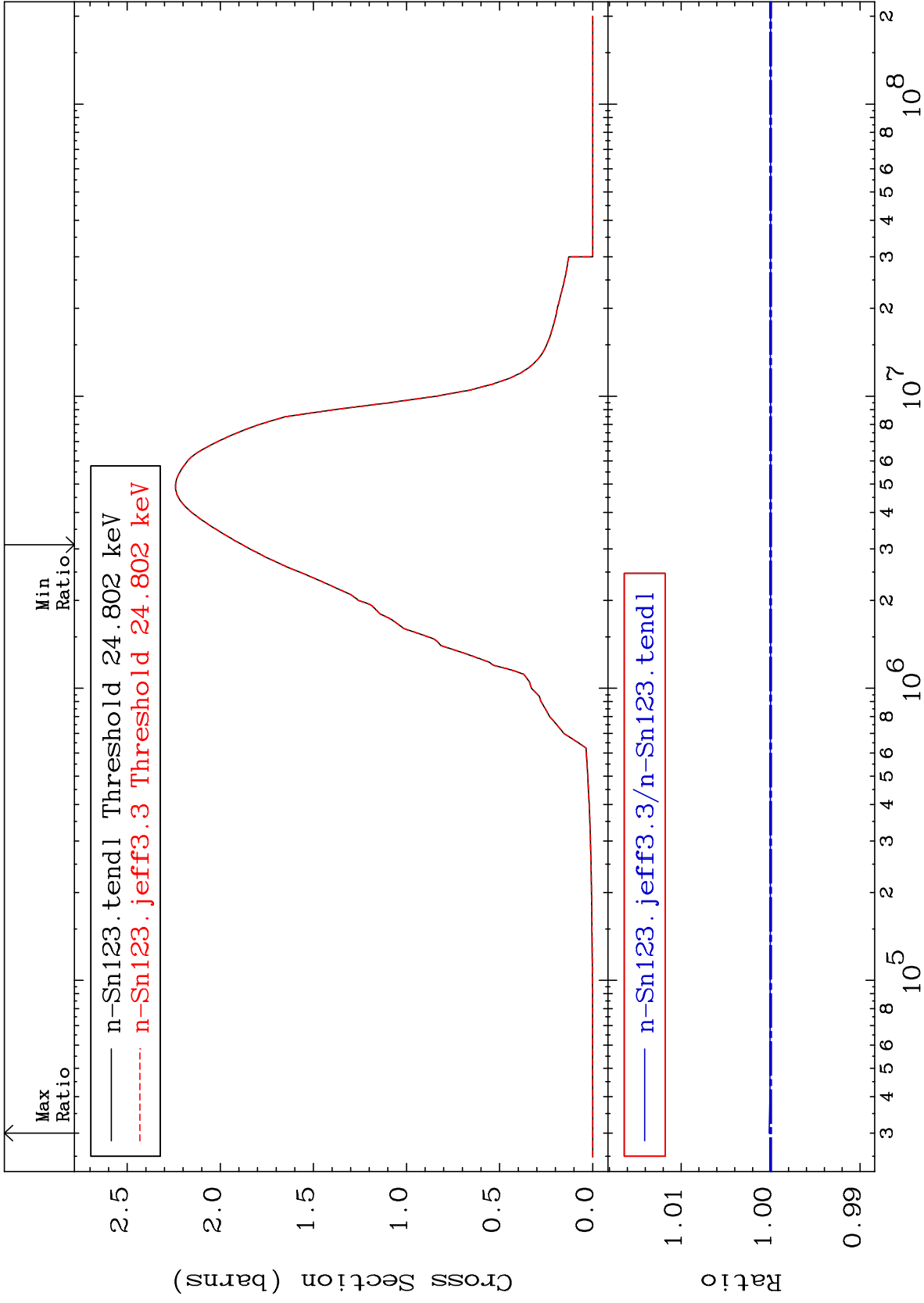
MAT 5058

Inelastic

50-Sn-123

Cross Section

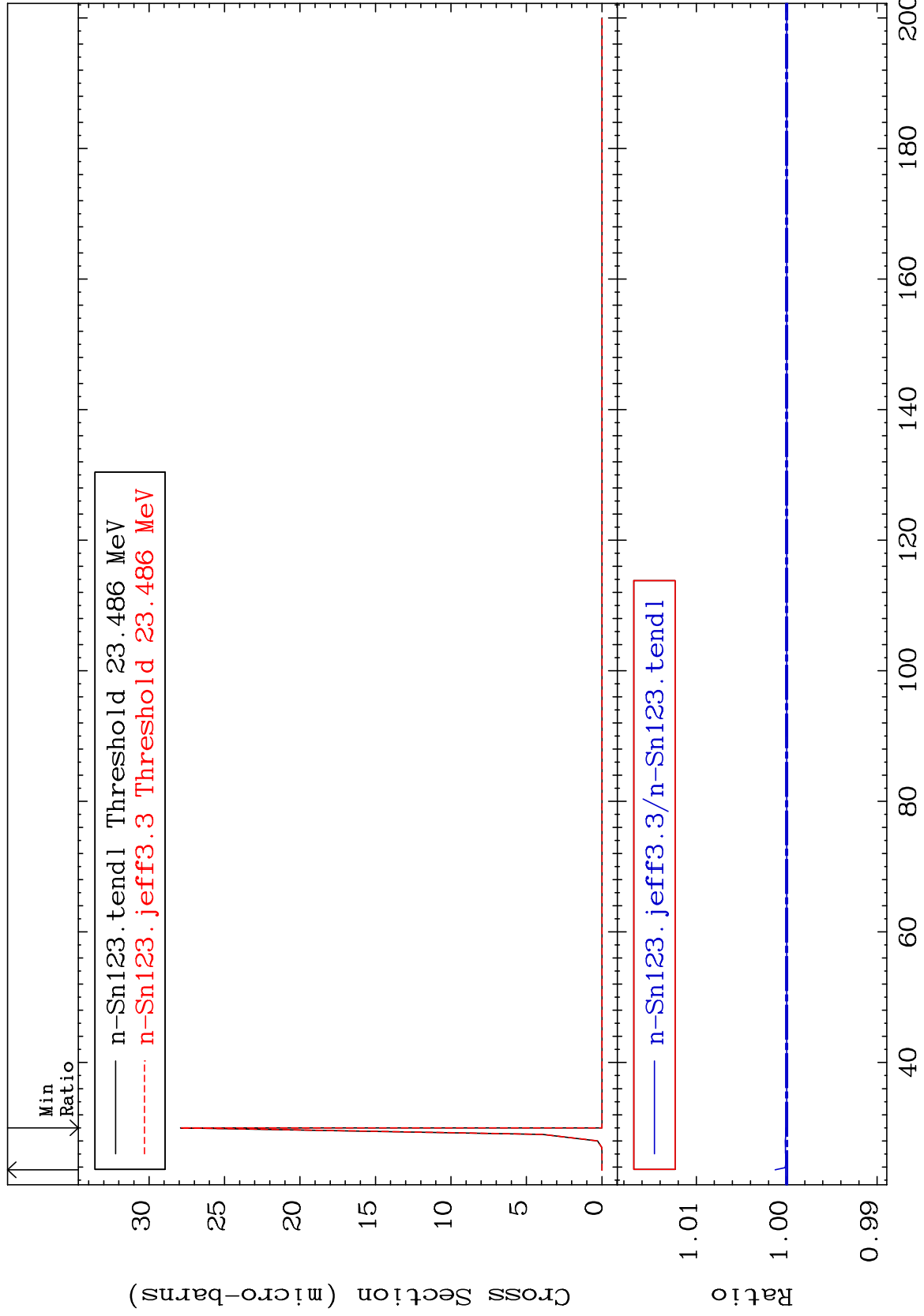
0.000 To 0.015 %



MAT 5058

(n,2n) d
Cross Section

50-Sn-123
To 0.127 %



Incident Energy (MeV)

50-Sn-123

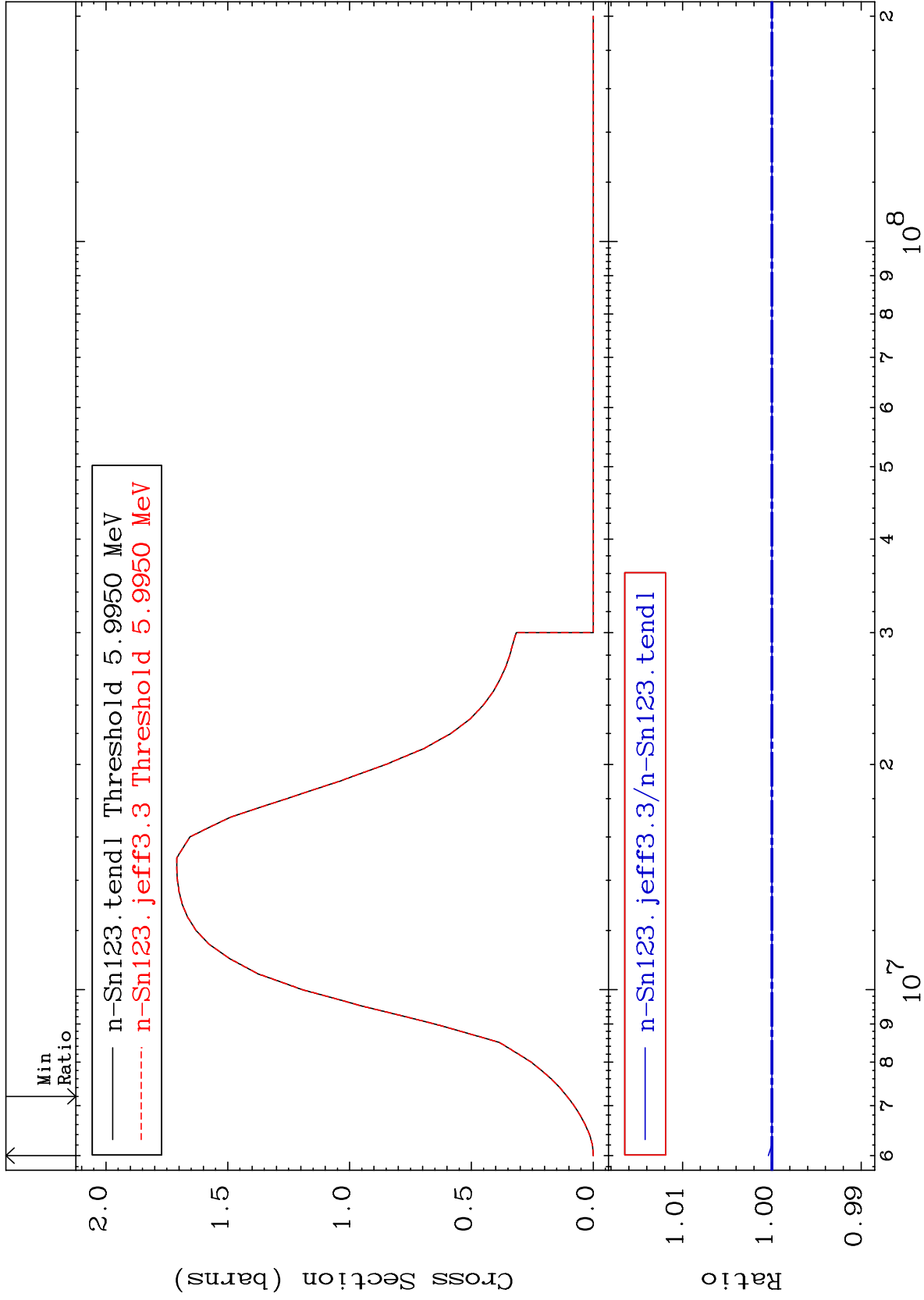
MAT 5058

(n,2n)

50-Sn-123

Cross Section

0.000 To 0.039 %



Incident Energy (eV)

50-Sn-123

5

MAT 5058

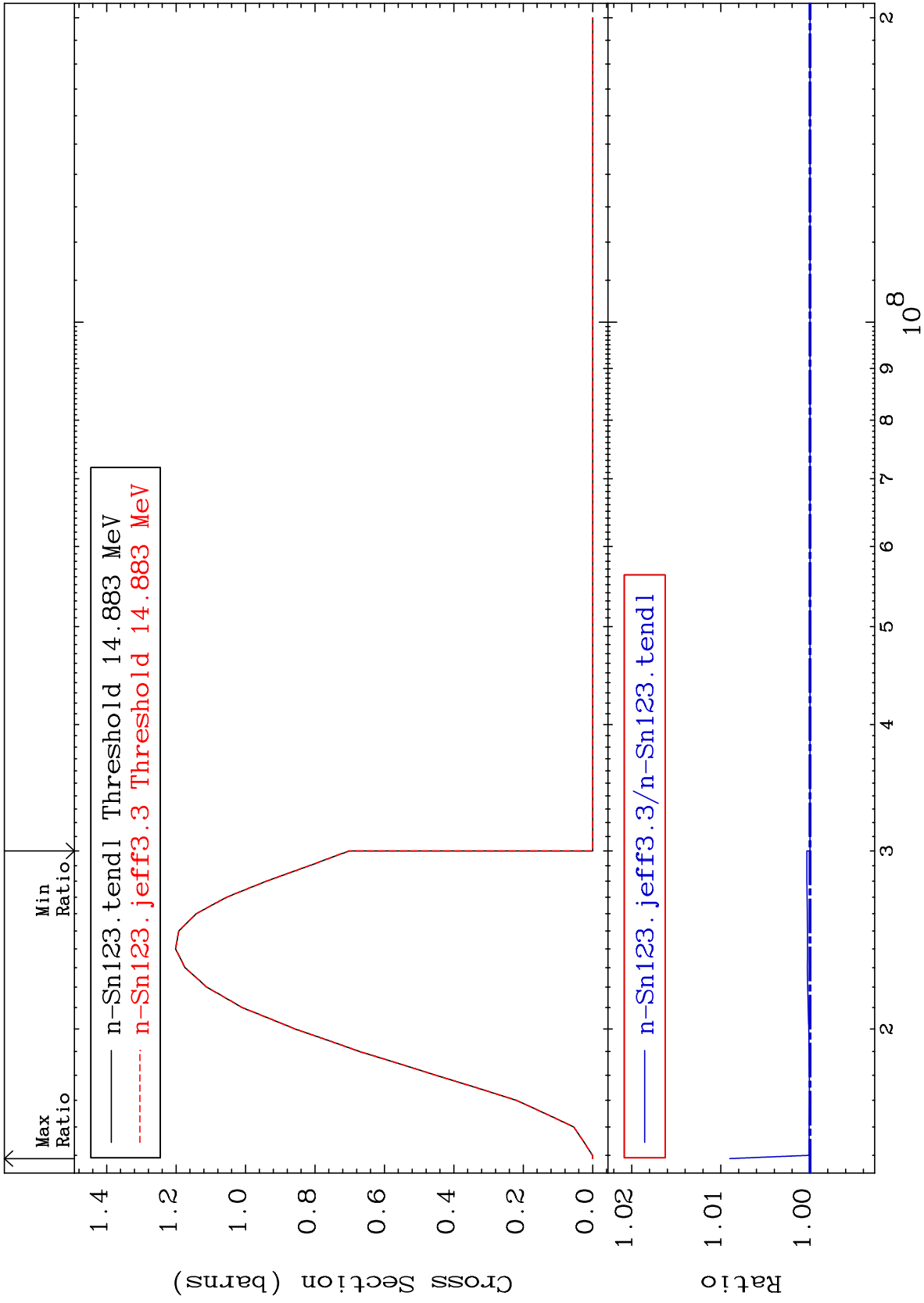
(n,3n)

50-Sn-123

Cross Section

0.000

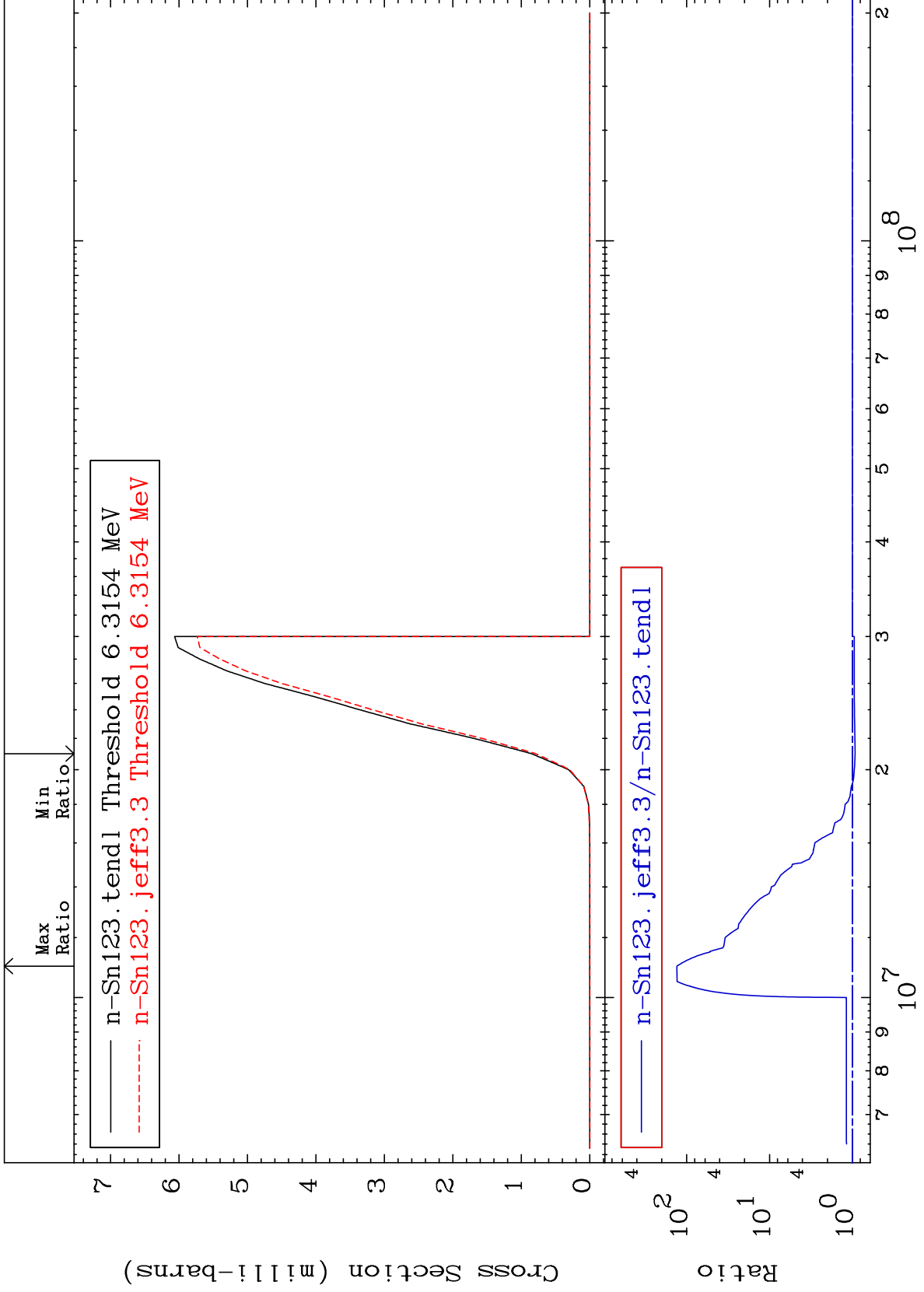
To 0.899 %



MAT 5058

(n,n') α
Cross Section

50-Sn-123
-7.398 To 9999. %



7

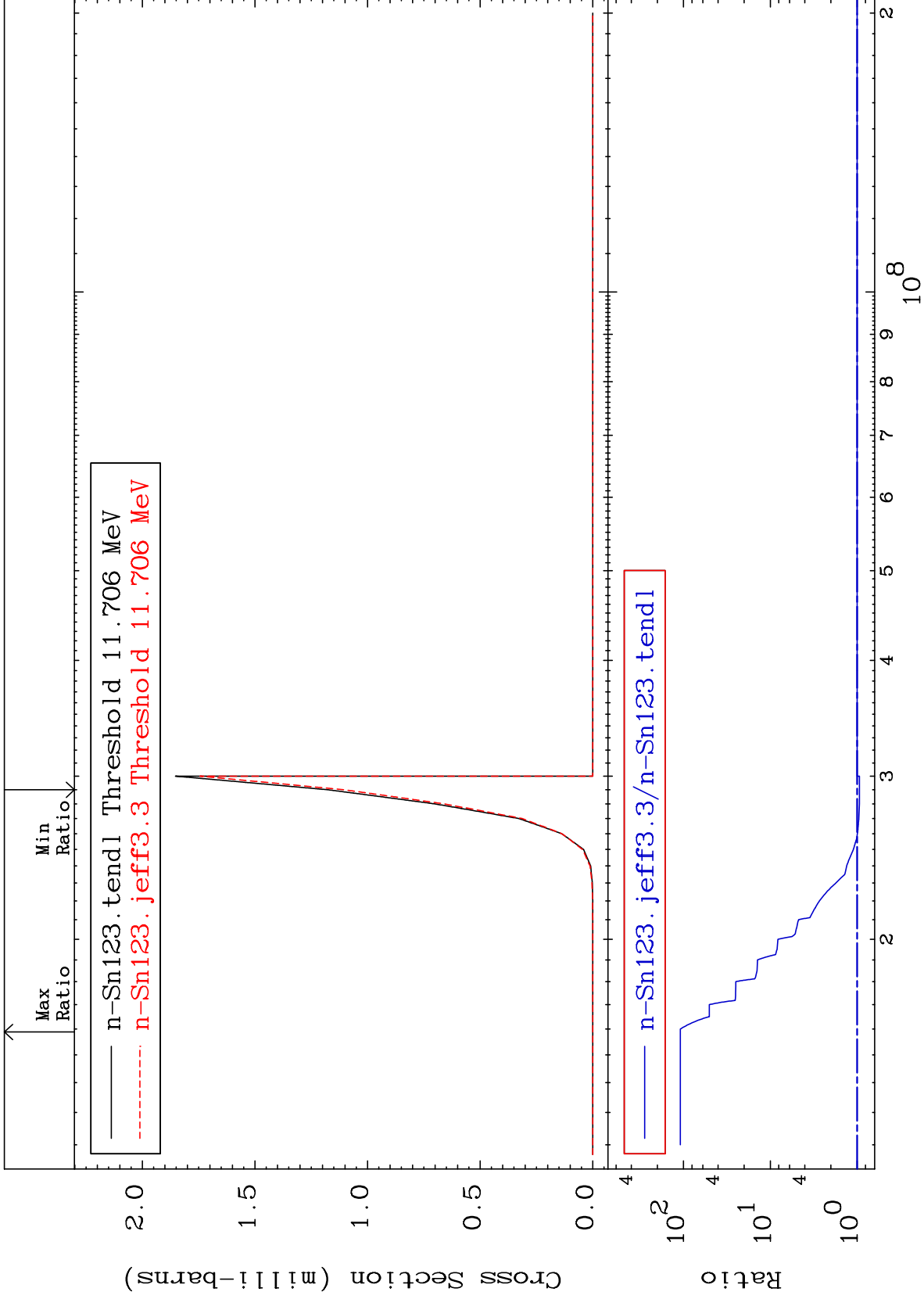
Incident Energy (eV)

50-Sn-123

MAT 5058

(n,2n) α
Cross Section

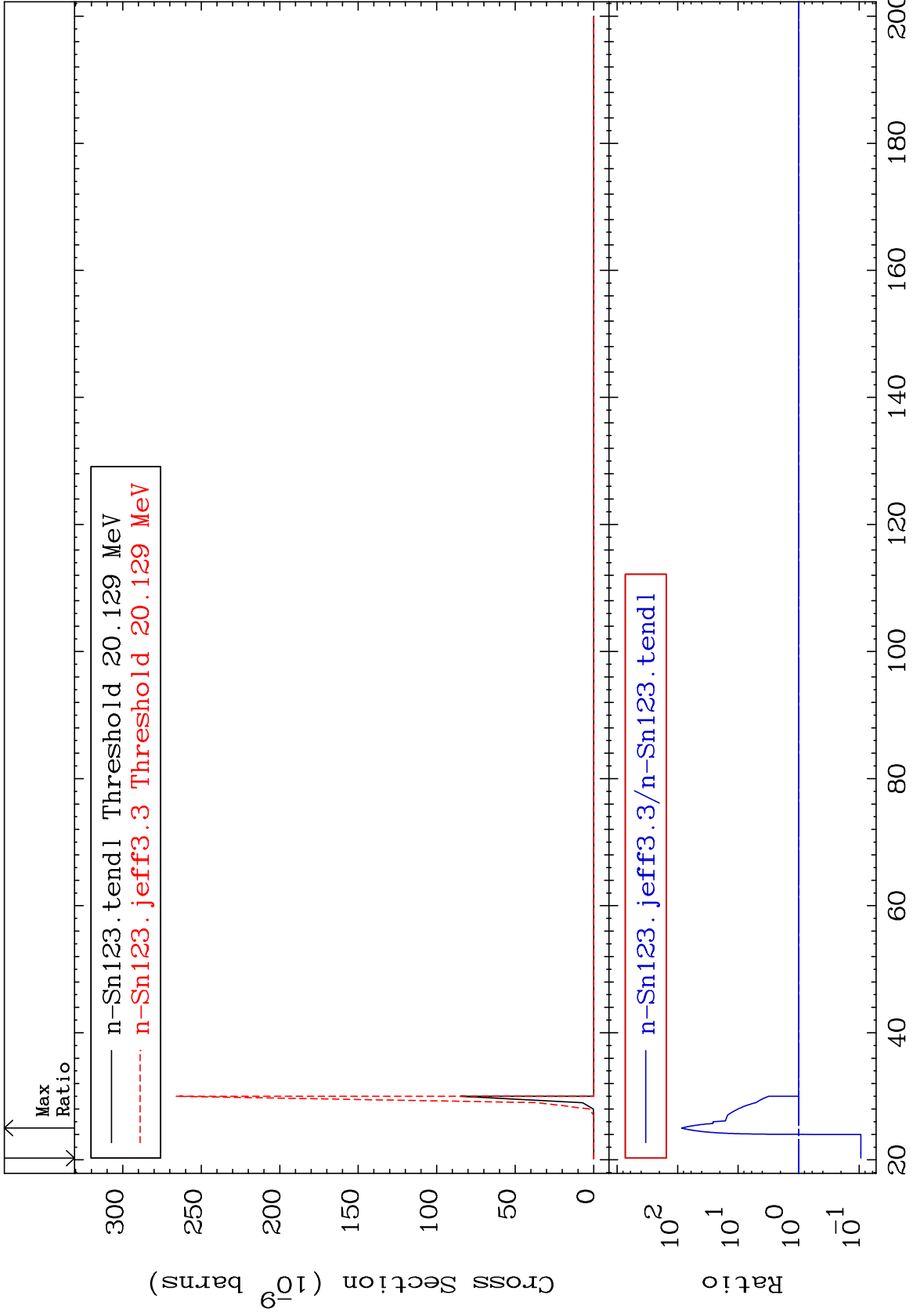
50-Sn-123
-6.047 To 9999. %



MAT 5058

(n,3n) α
Cross Section

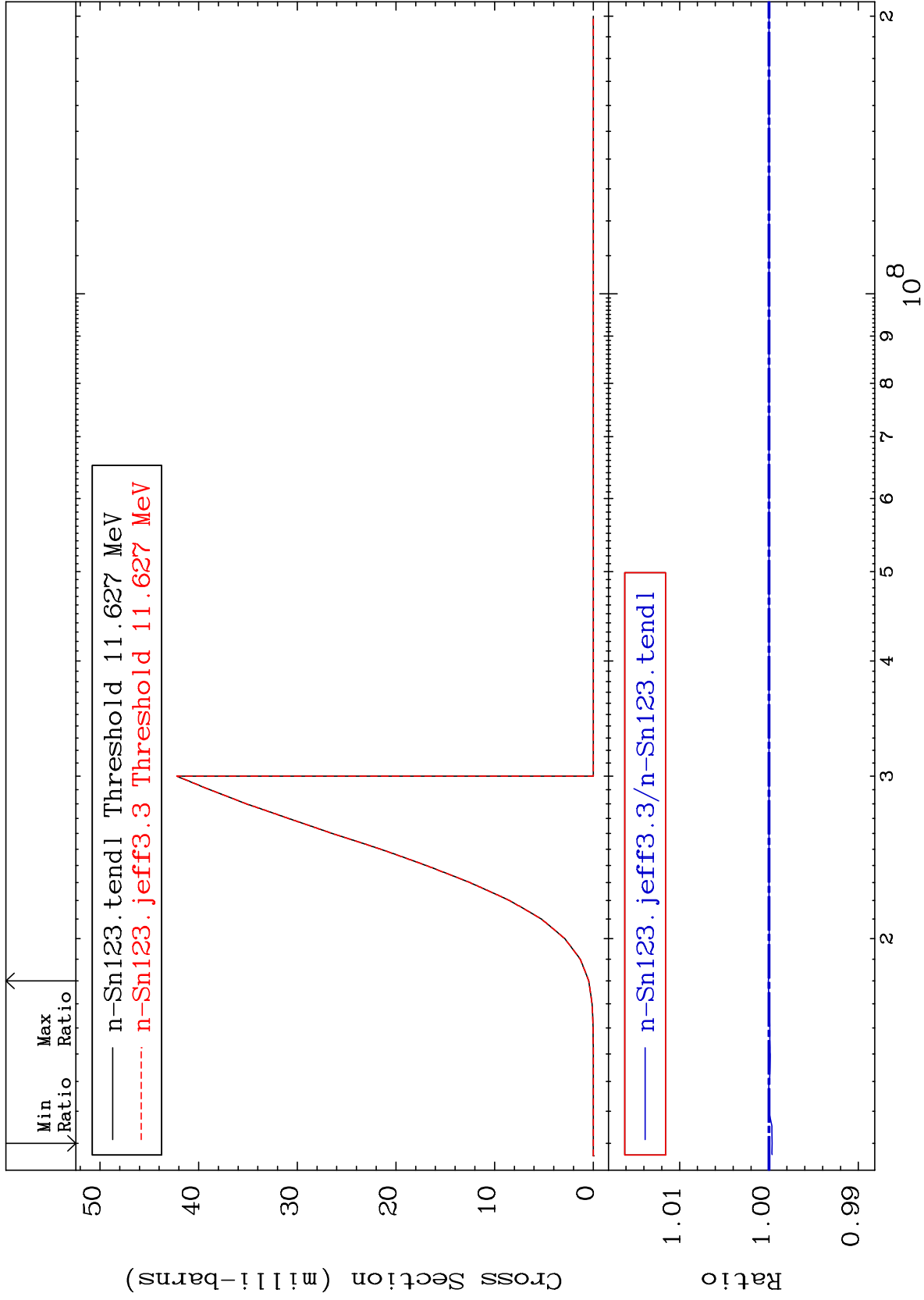
50-Sn-123
-90.61 To 8520. %



MAT 5058

(n,n') p
Cross Section

50-Sn-123
-0.034 To 0.008 %



10

Incident Energy (eV)

50-Sn-123

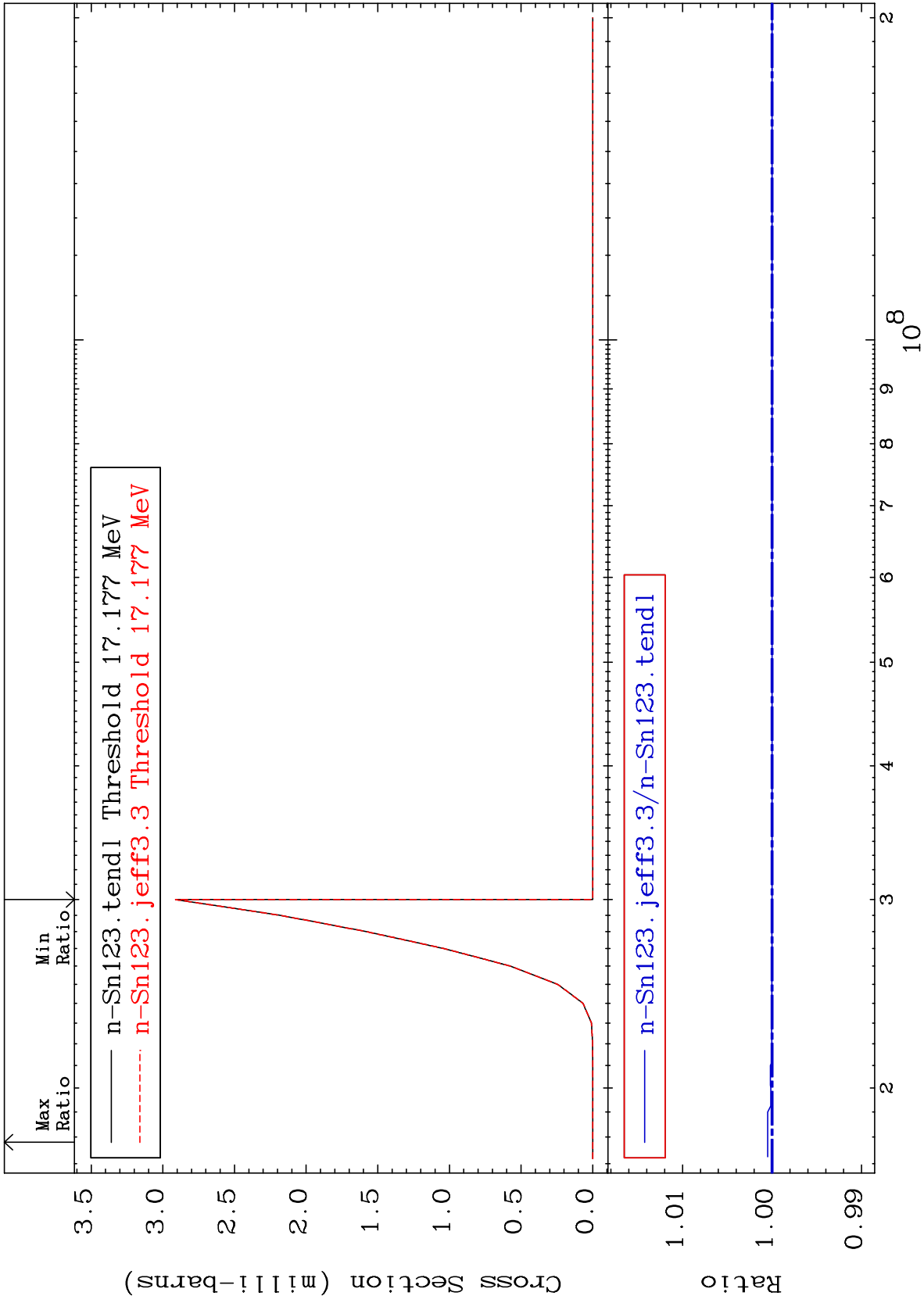
MAT 5058

(n,n') t

50-Sn-123

Cross Section

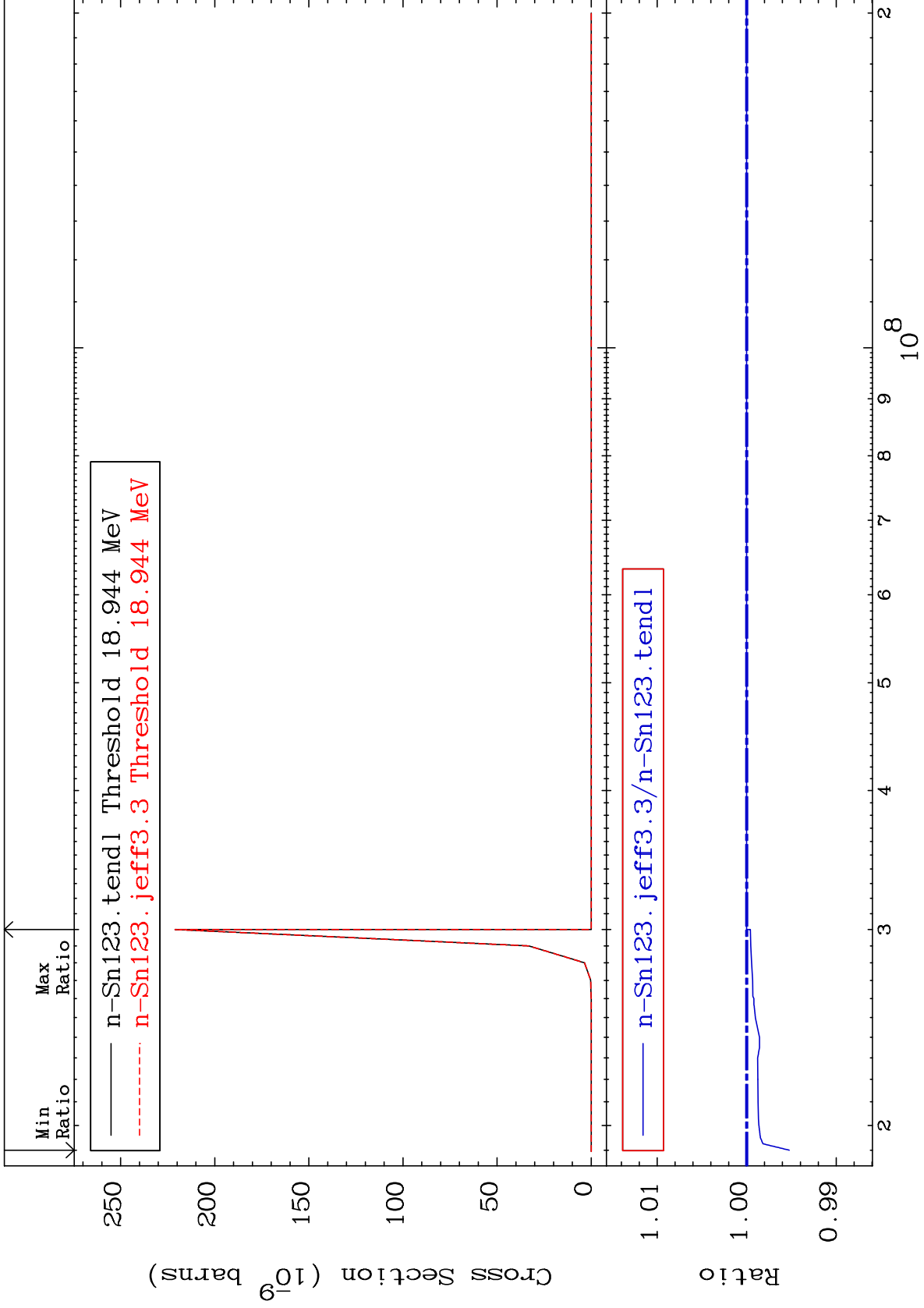
0.000 To 0.048 %



MAT 5058

(n, n') He-3
Cross Section

50-Sn-123
-0.475 To 0.000 %



MAT 5058

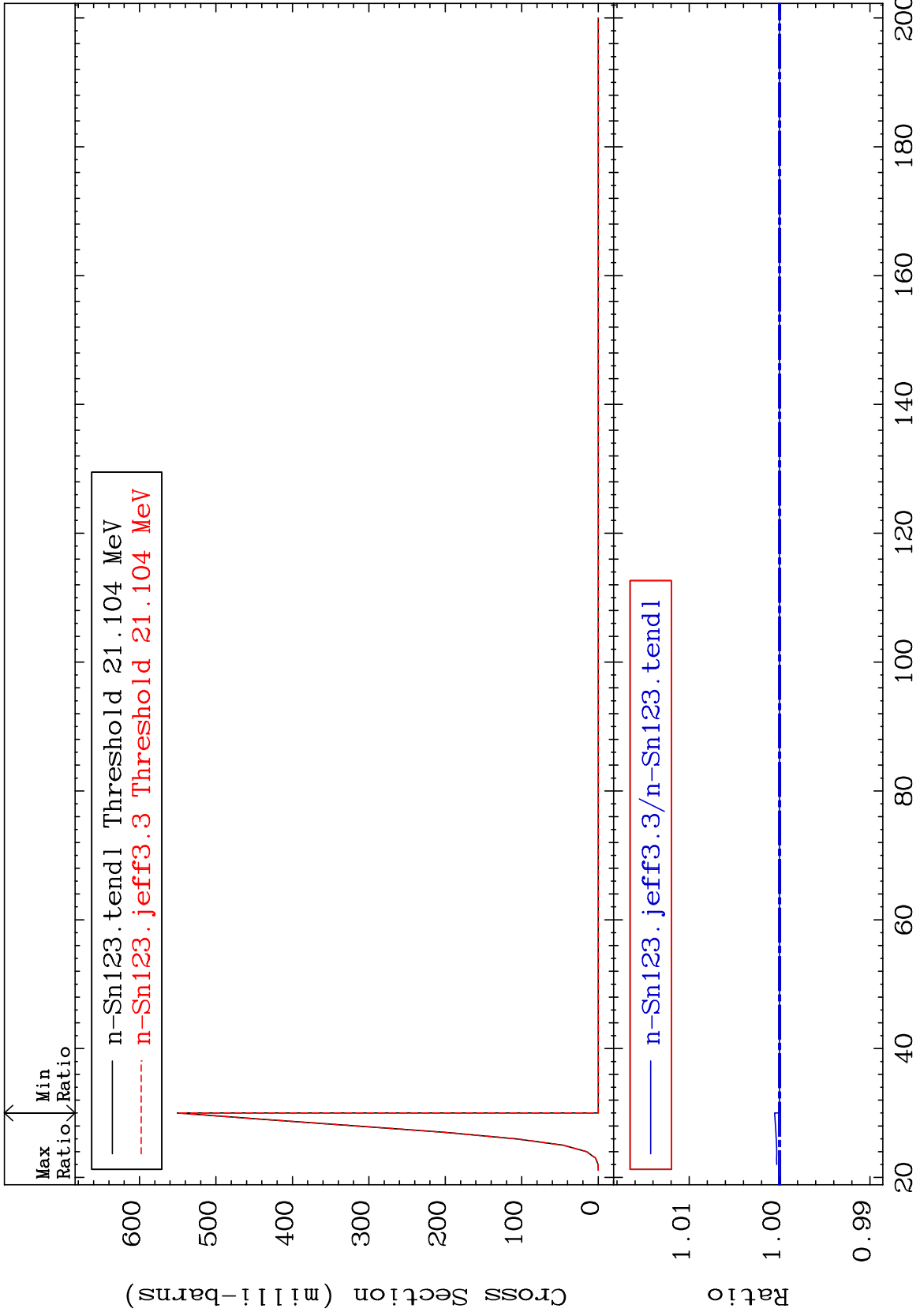
(n,4n)

50-Sn-123

Cross Section

0.000

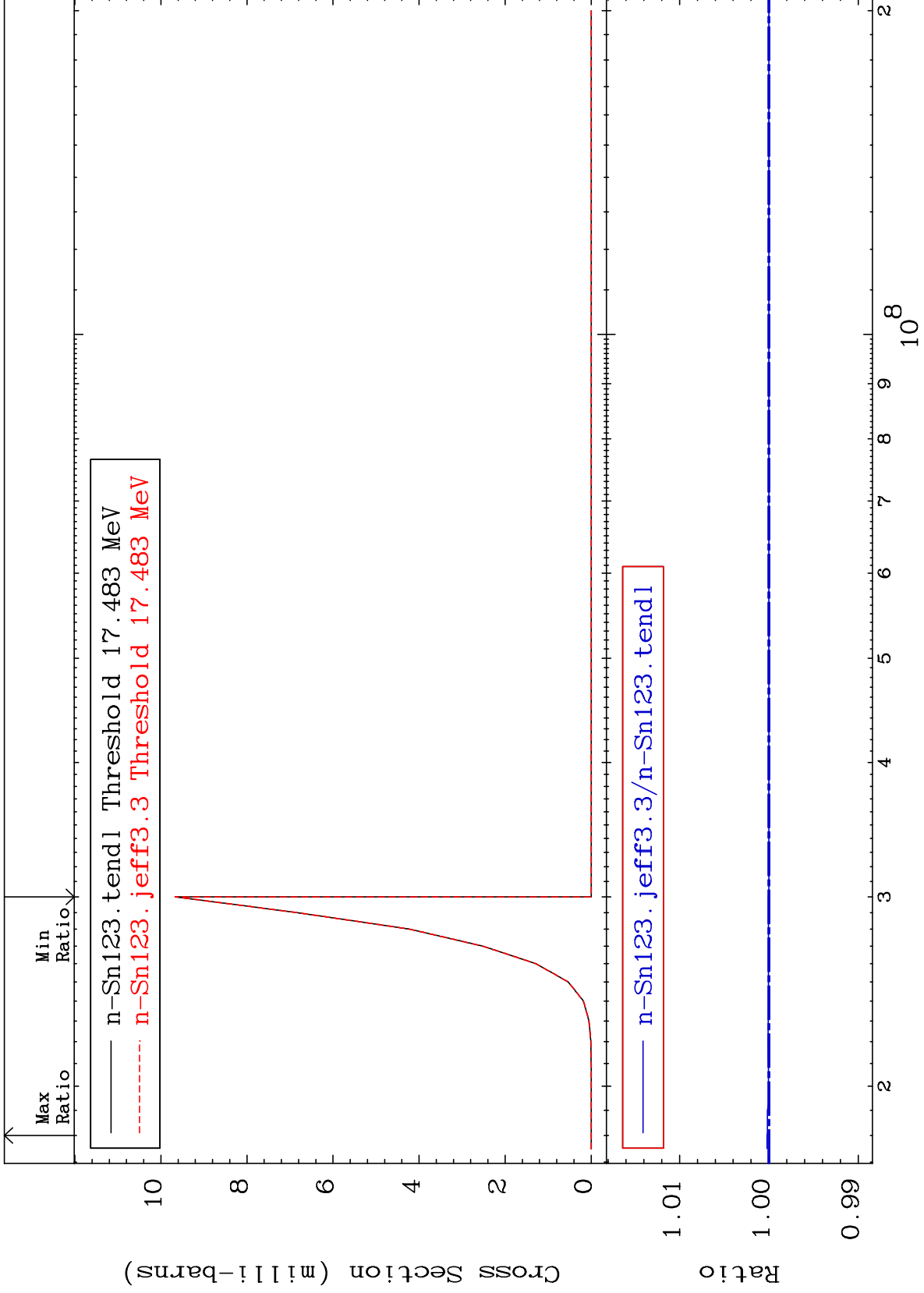
To 0.055 %



MAT 5058

(n,2n) p
Cross Section

50-Sn-123
To 0.021 %



14

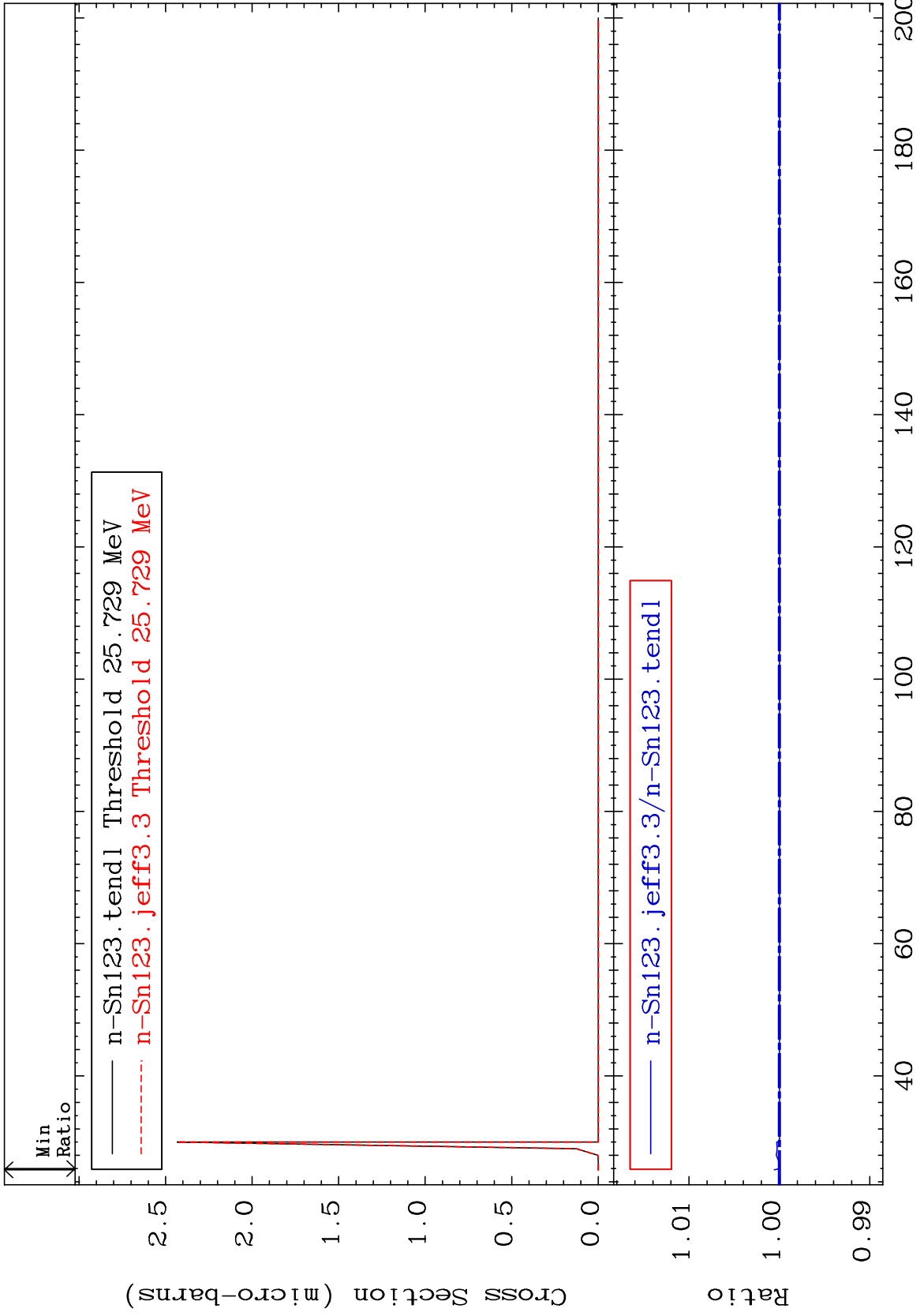
Incident Energy (eV)

50-Sn-123

MAT 5058

(n,3n) p
Cross Section

50-Sn-123
-0.006 To 0.057 %



15

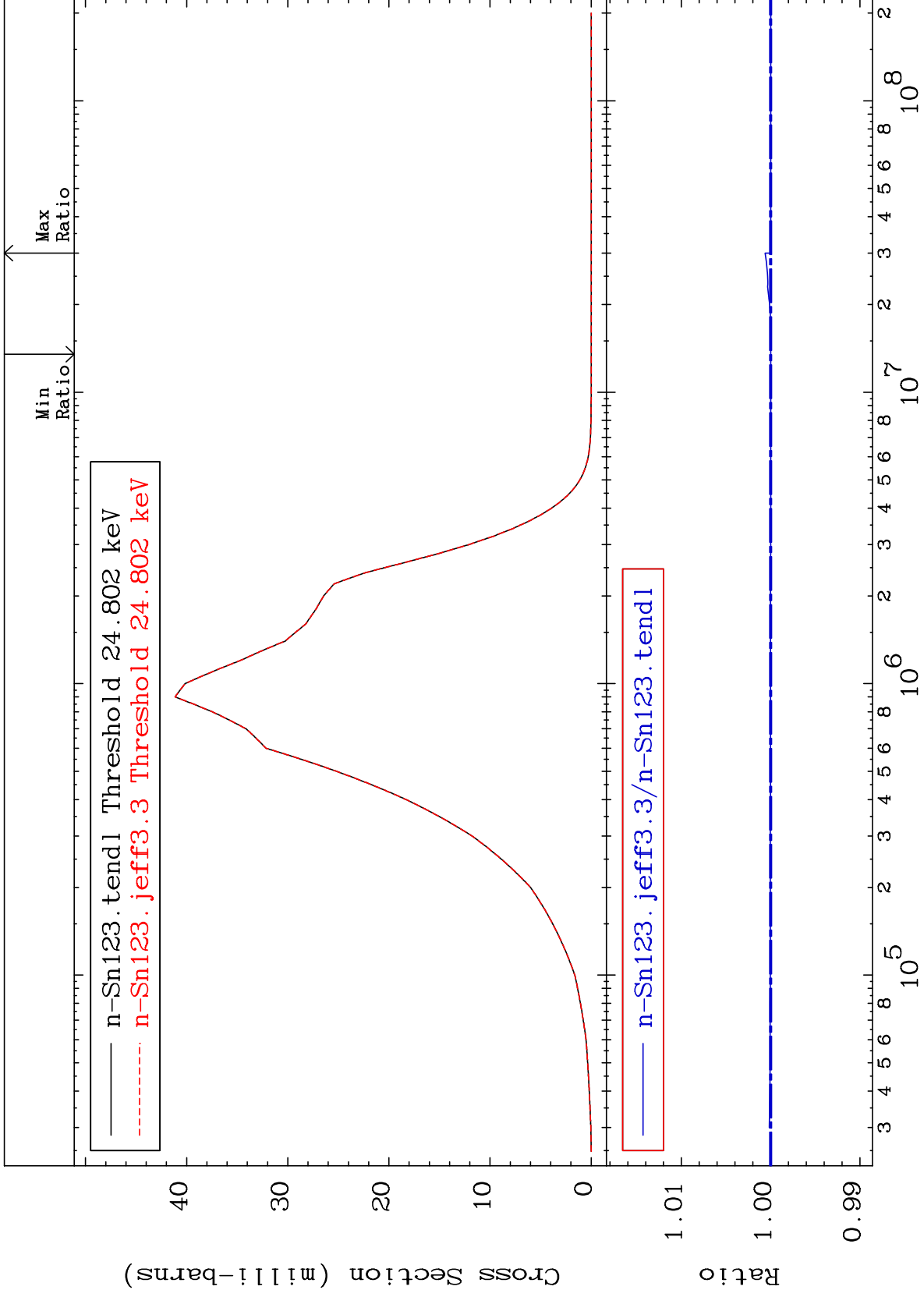
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

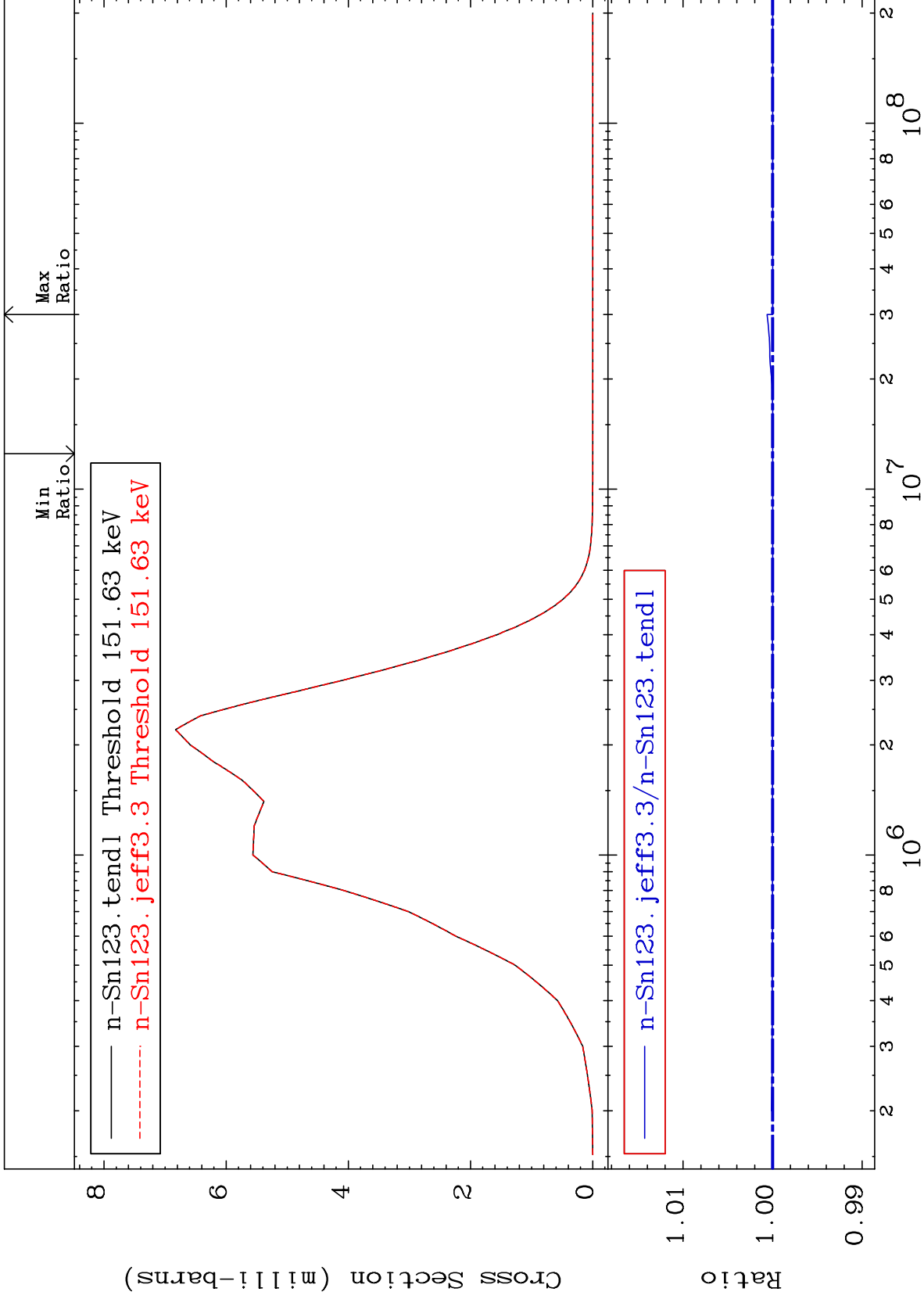
50-Sn-123
To 0.061 %



MAT 5058

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

50-Sn-123
To 0.061 %



17

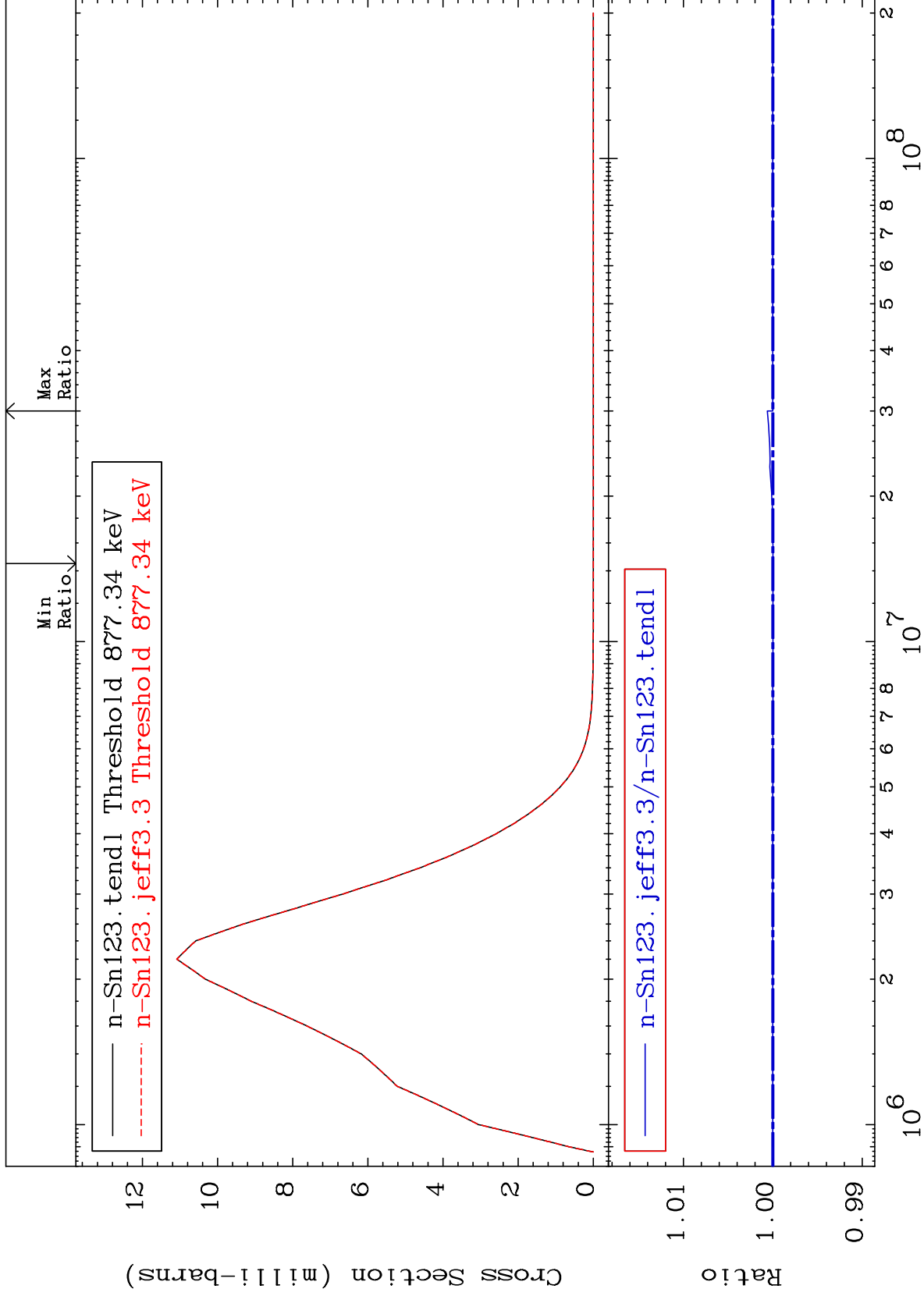
Incident Energy (eV)

50-Sn-123

MAT 5058

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

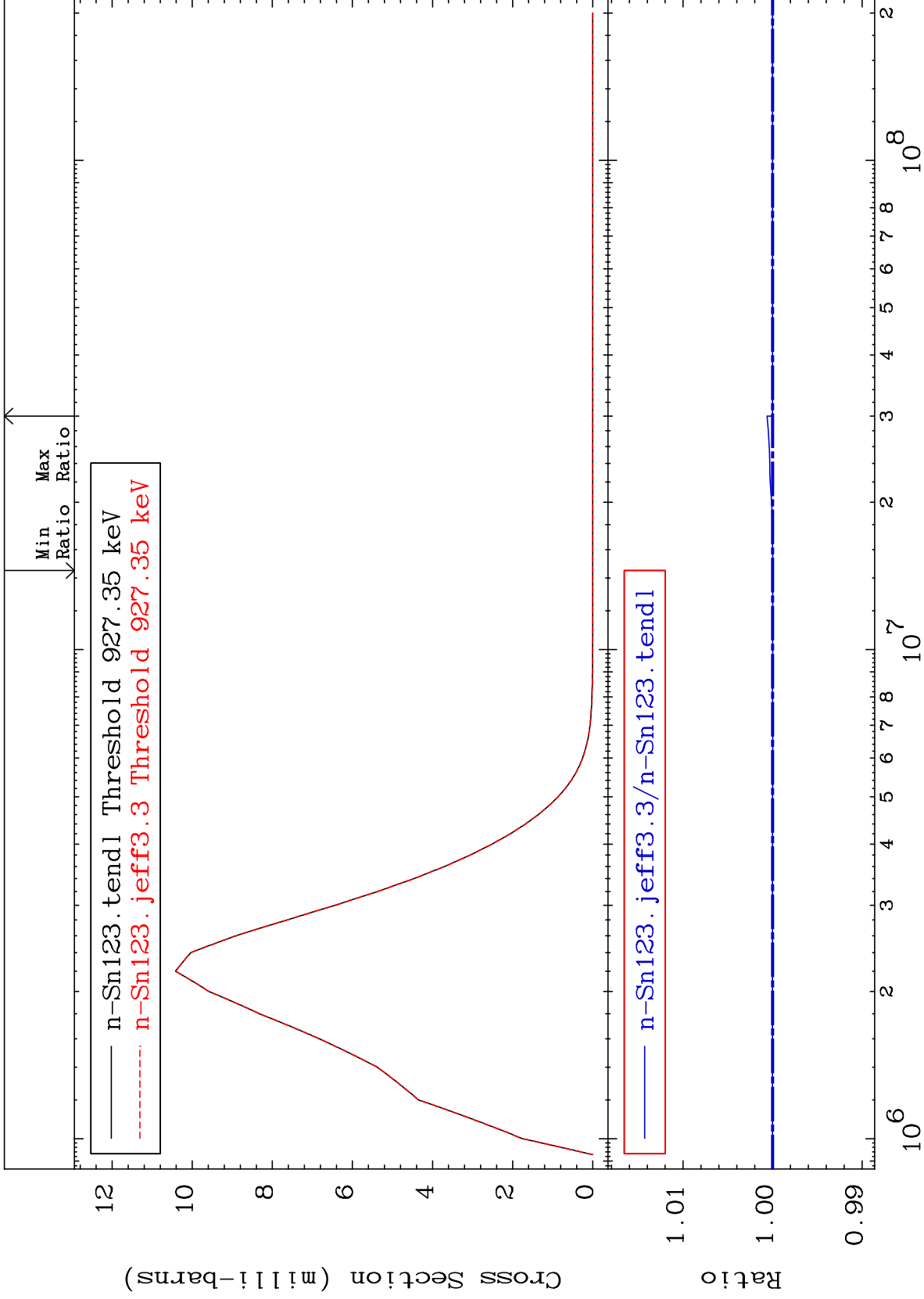
50-Sn-123
-0.001 To 0.061 %



MAT 5058

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

50-Sn-123
-0.001 To 0.061 %



19

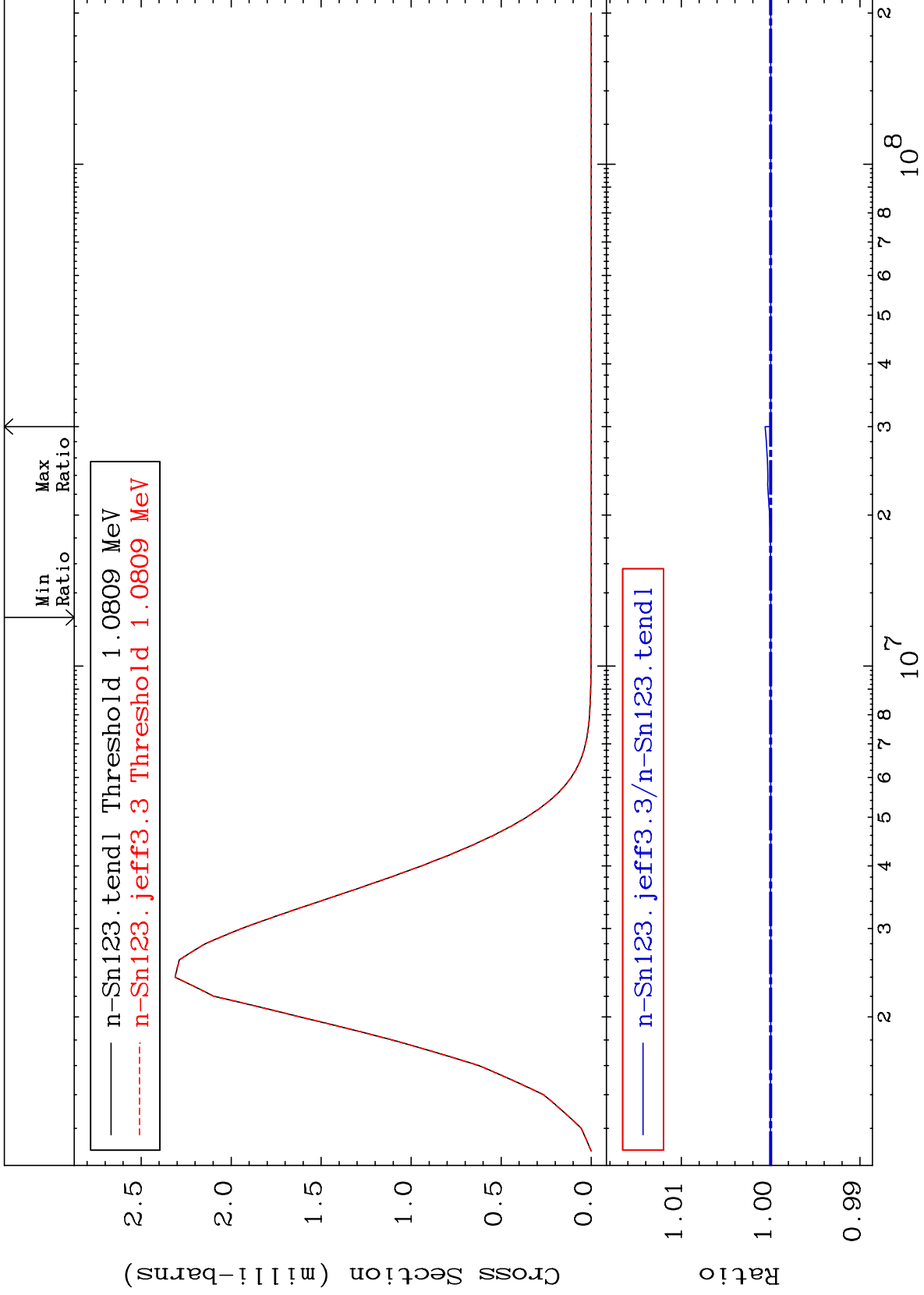
Incident Energy (eV)

50-Sn-123

MAT 5058

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

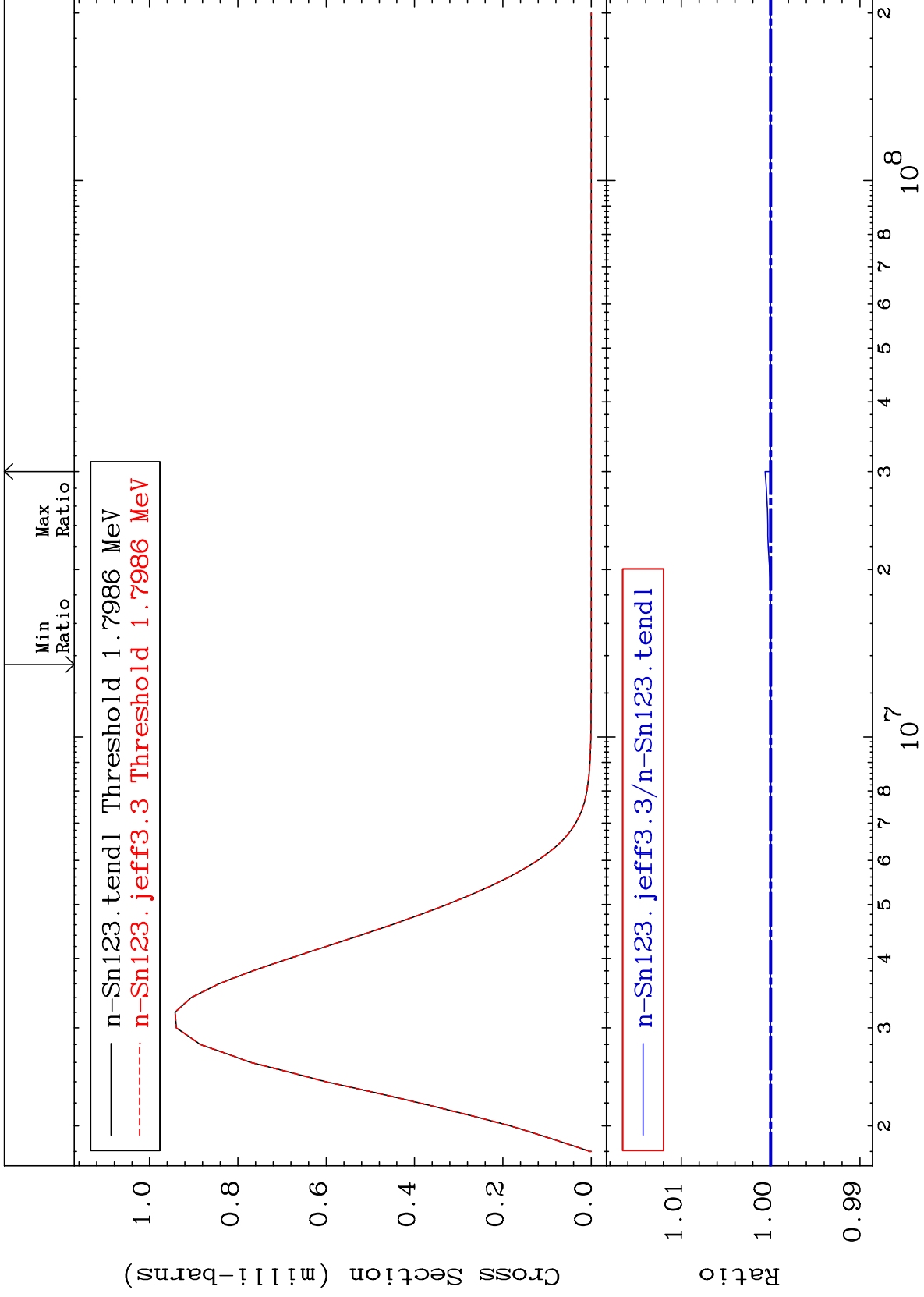
50-Sn-123
-0.001 To 0.061 %



MAT 5058

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

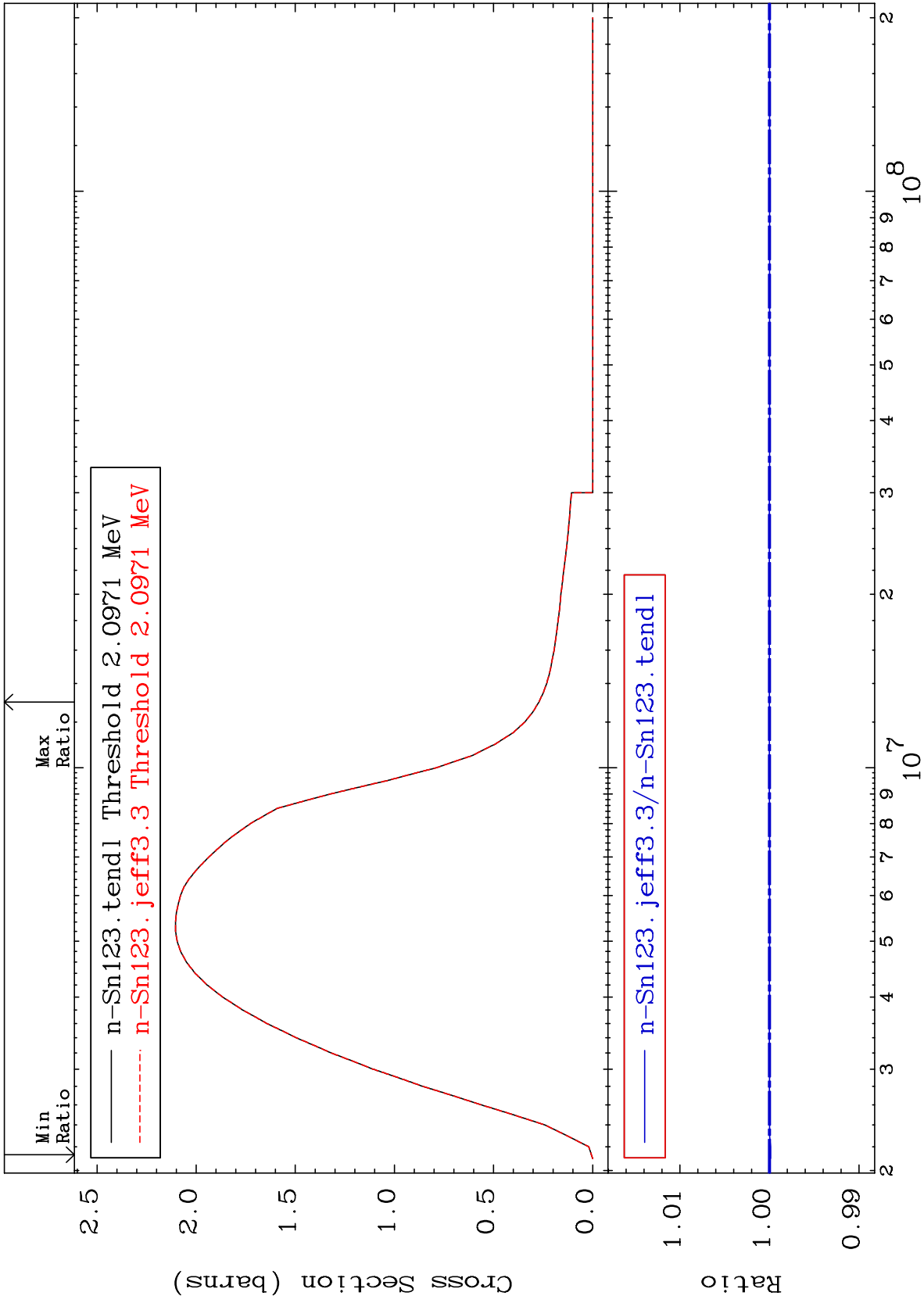
50-Sn-123
-0.001 To 0.061 %



MAT 5058

(n, n') Continuum
Cross Section

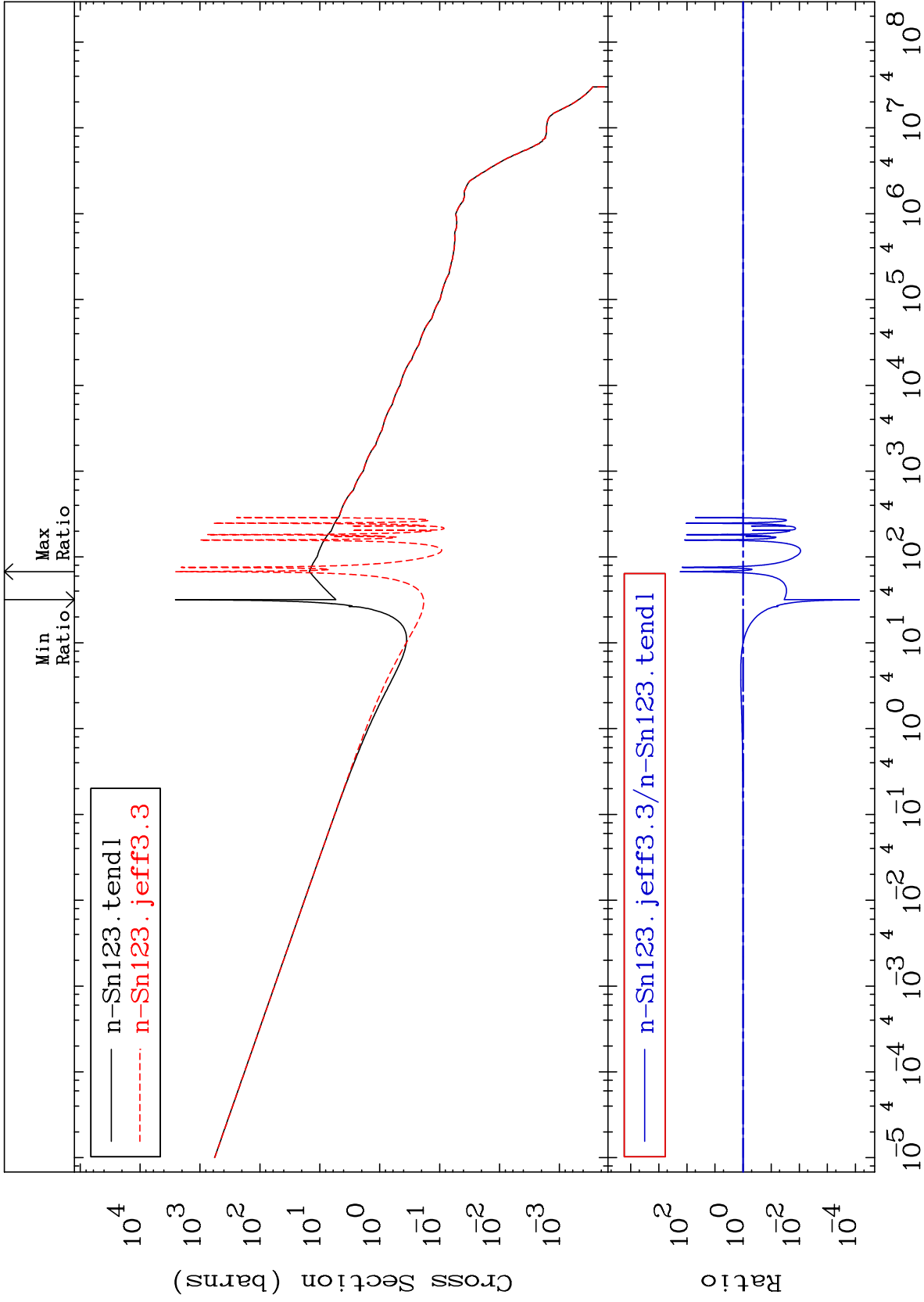
50-Sn-123
-0.012 To 0.002 %



MAT 5058

(n, γ)
Cross Section

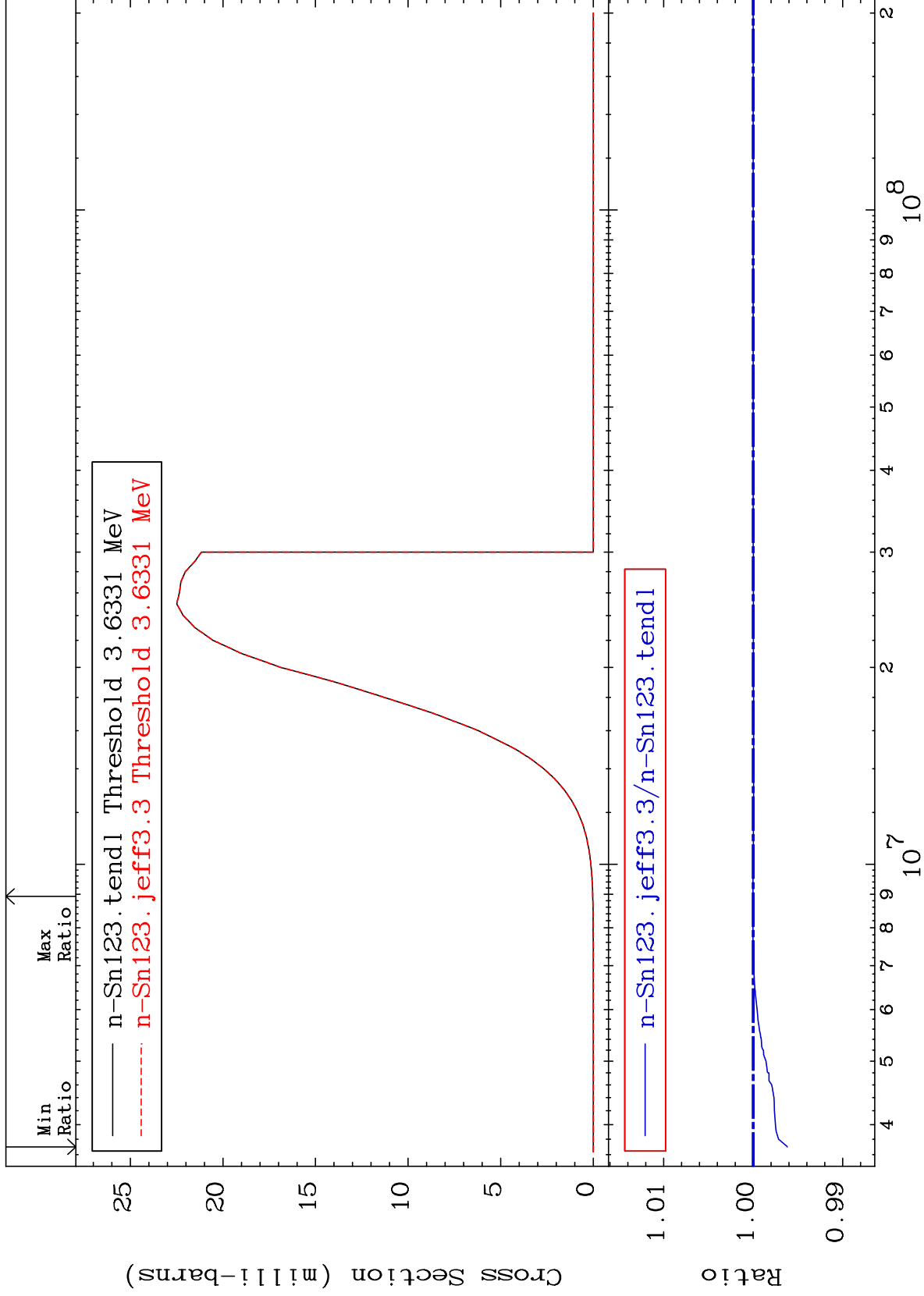
50-Sn-123
-99.99 To 9999. %



MAT 5058

(n,p)
Cross Section

50-Sn-123
-0.382 To 0.003 %



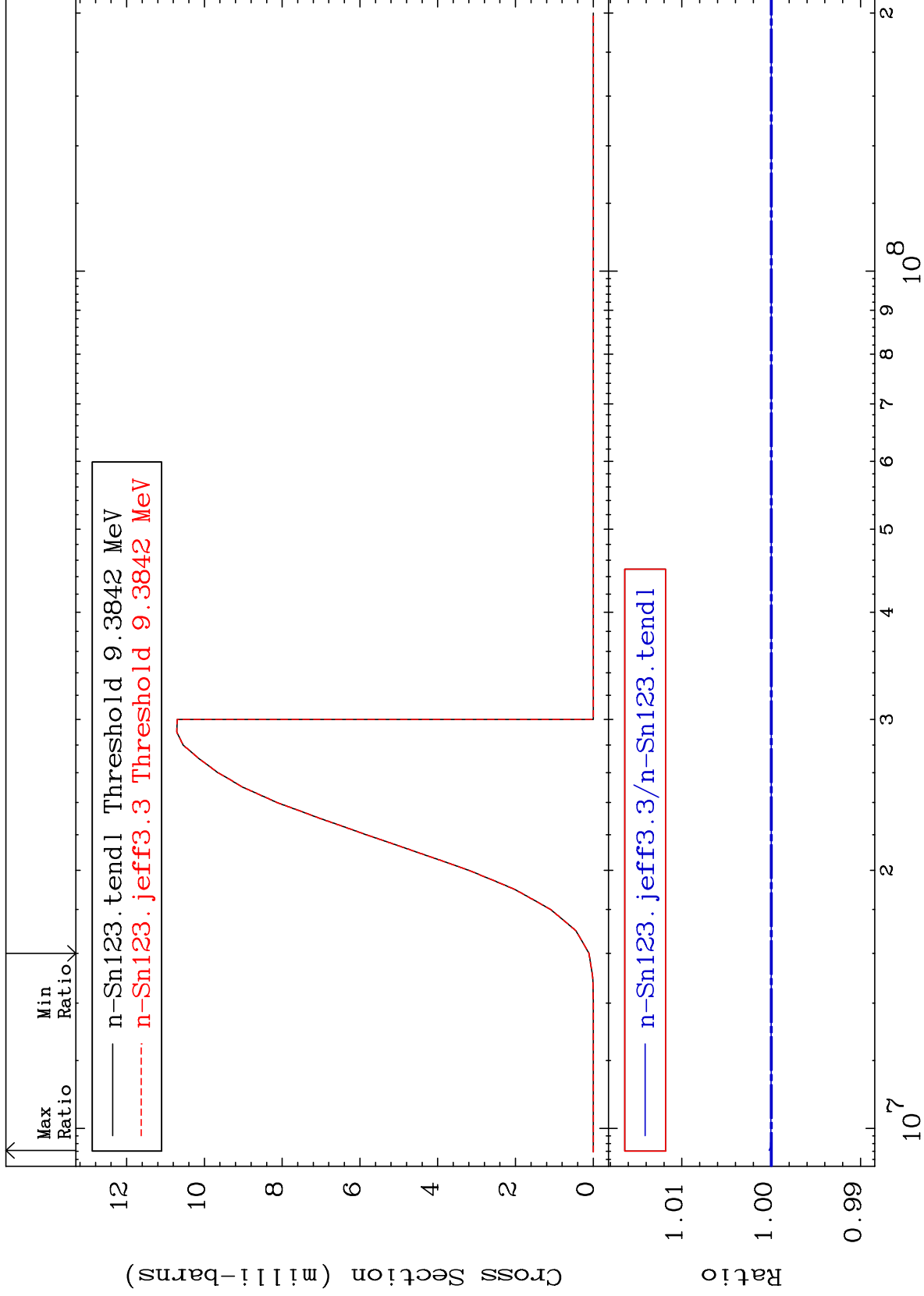
MAT 5058

(n, d)

50-Sn-123

Cross Section

0.000 To 0.024 %



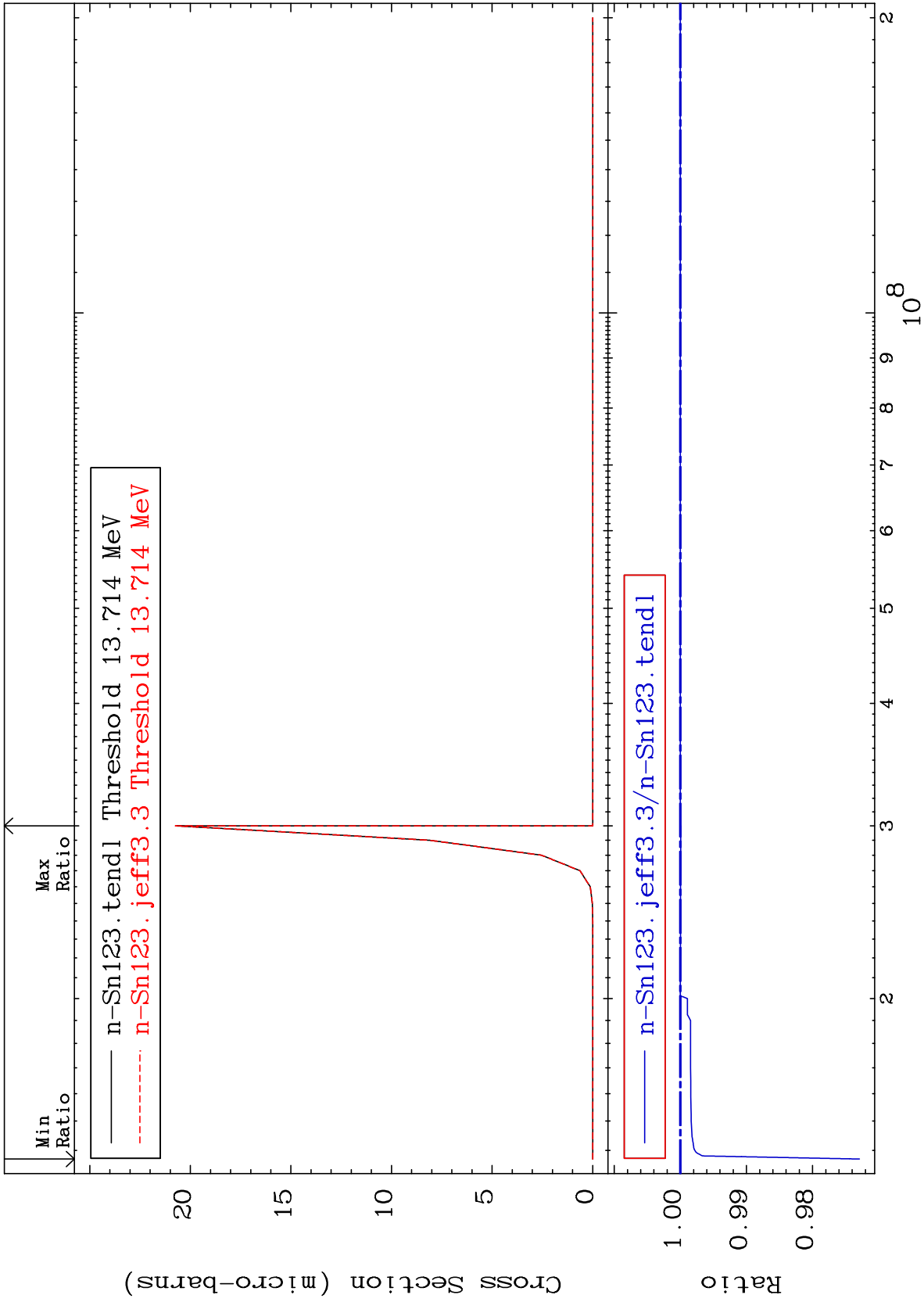
MAT 5058

(n, He-3)

50-Sn-123

Cross Section

-2.709 To 0.000 %



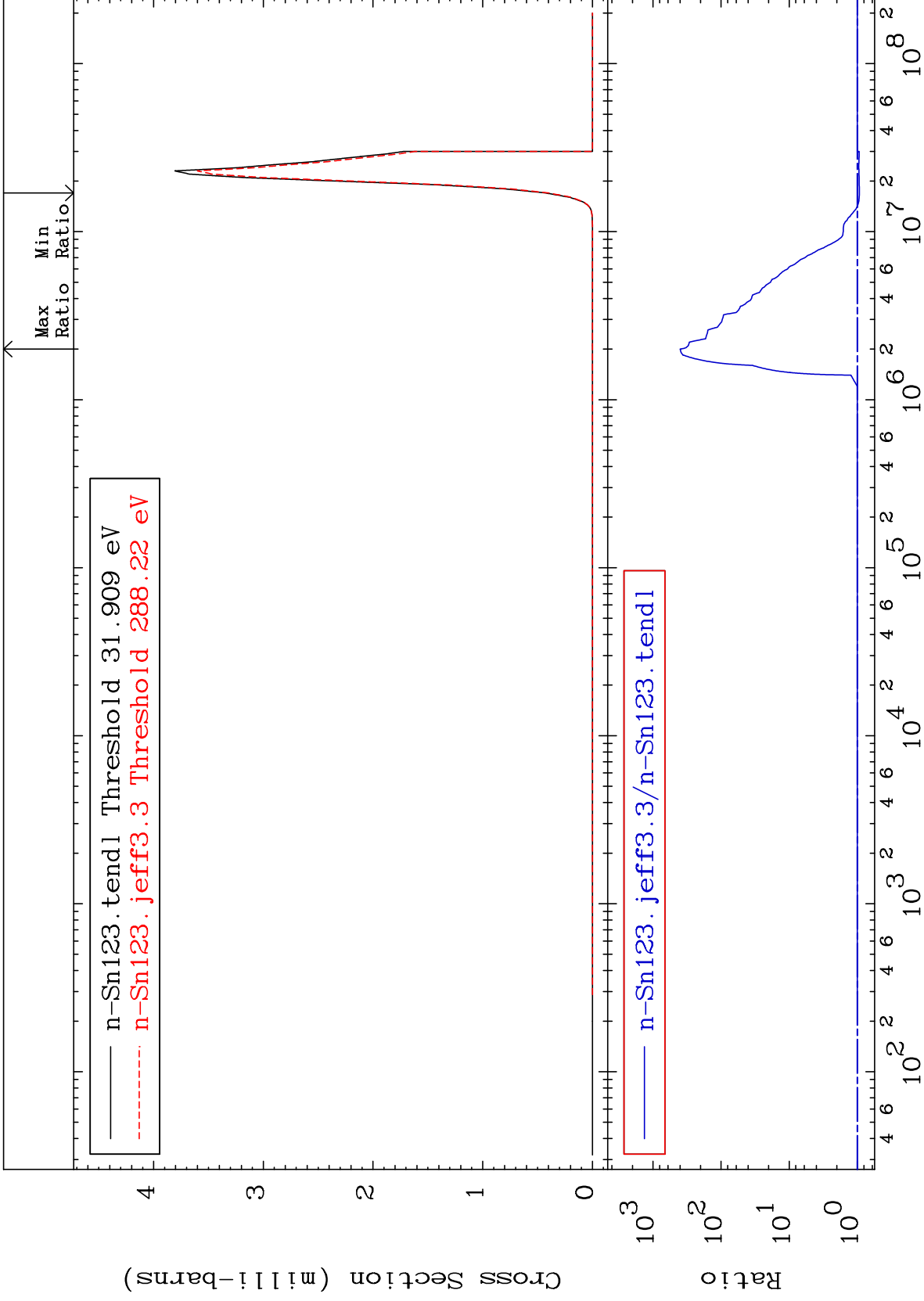
MAT 5058

(n, α)

50-Sn-123

Cross Section

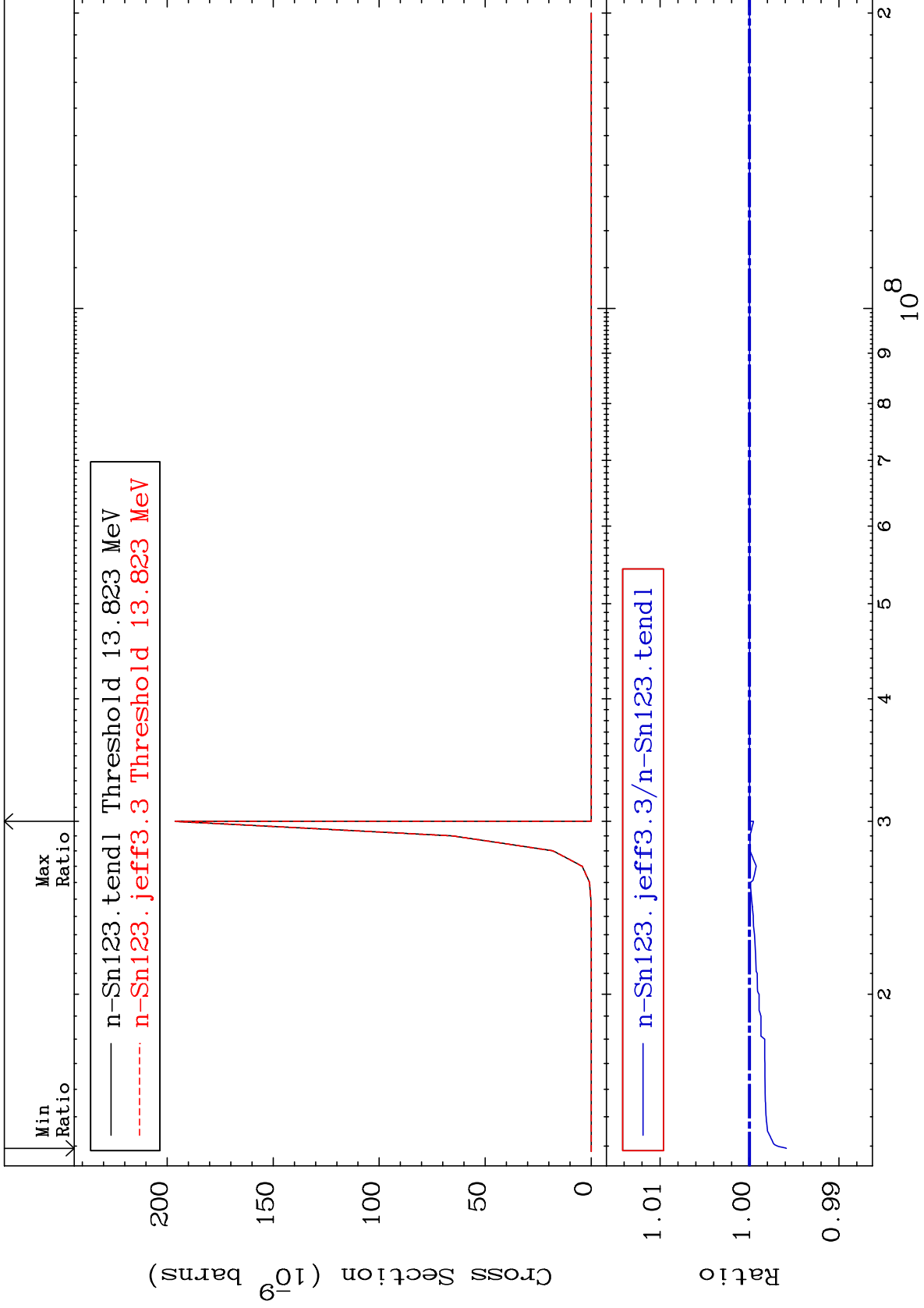
-6.797 To 9999. %



MAT 5058

(n,2p)
Cross Section

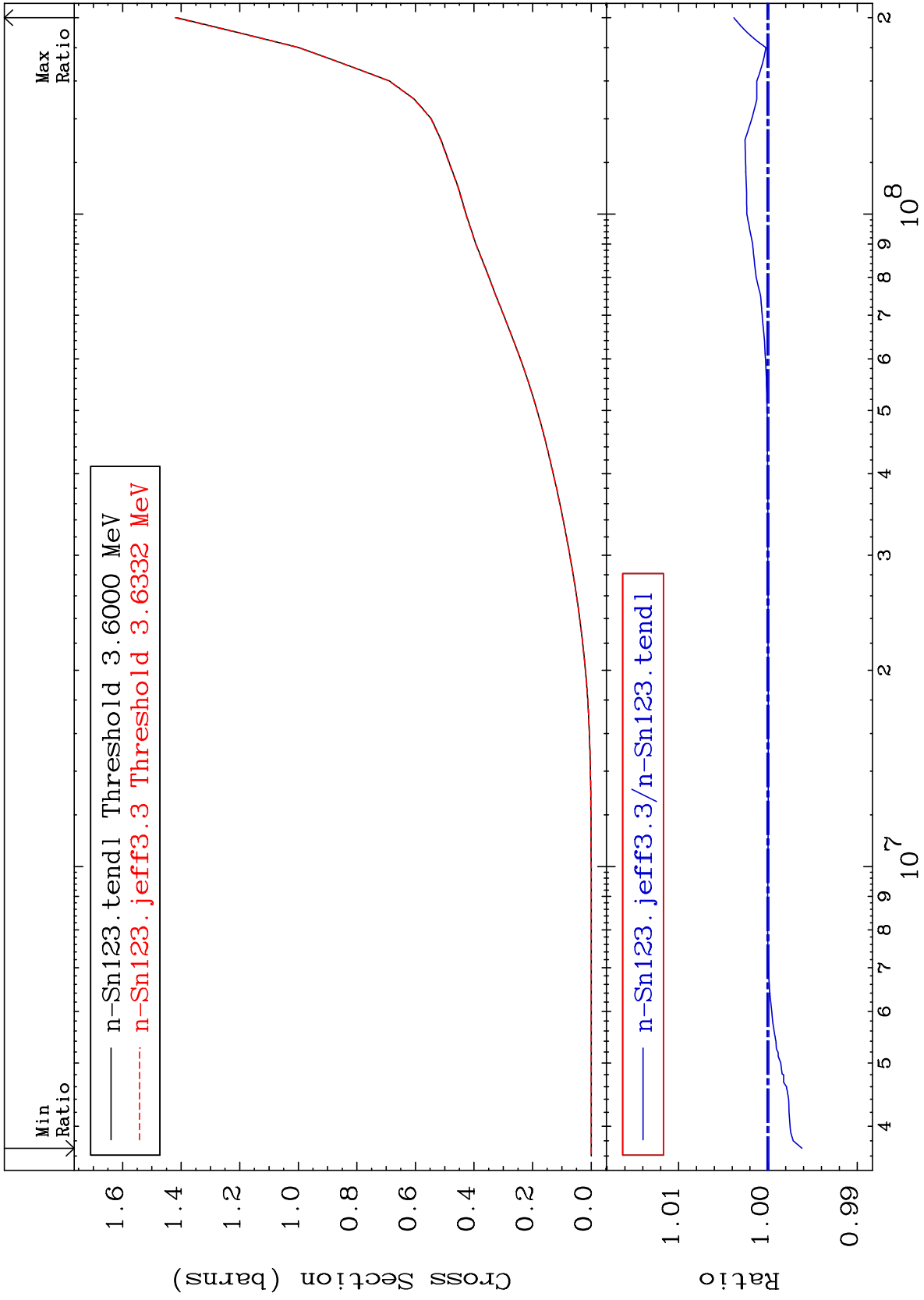
50-Sn-123
-0.413 To 0.000 %



MAT 5058

Hydrogen Production
Cross Section

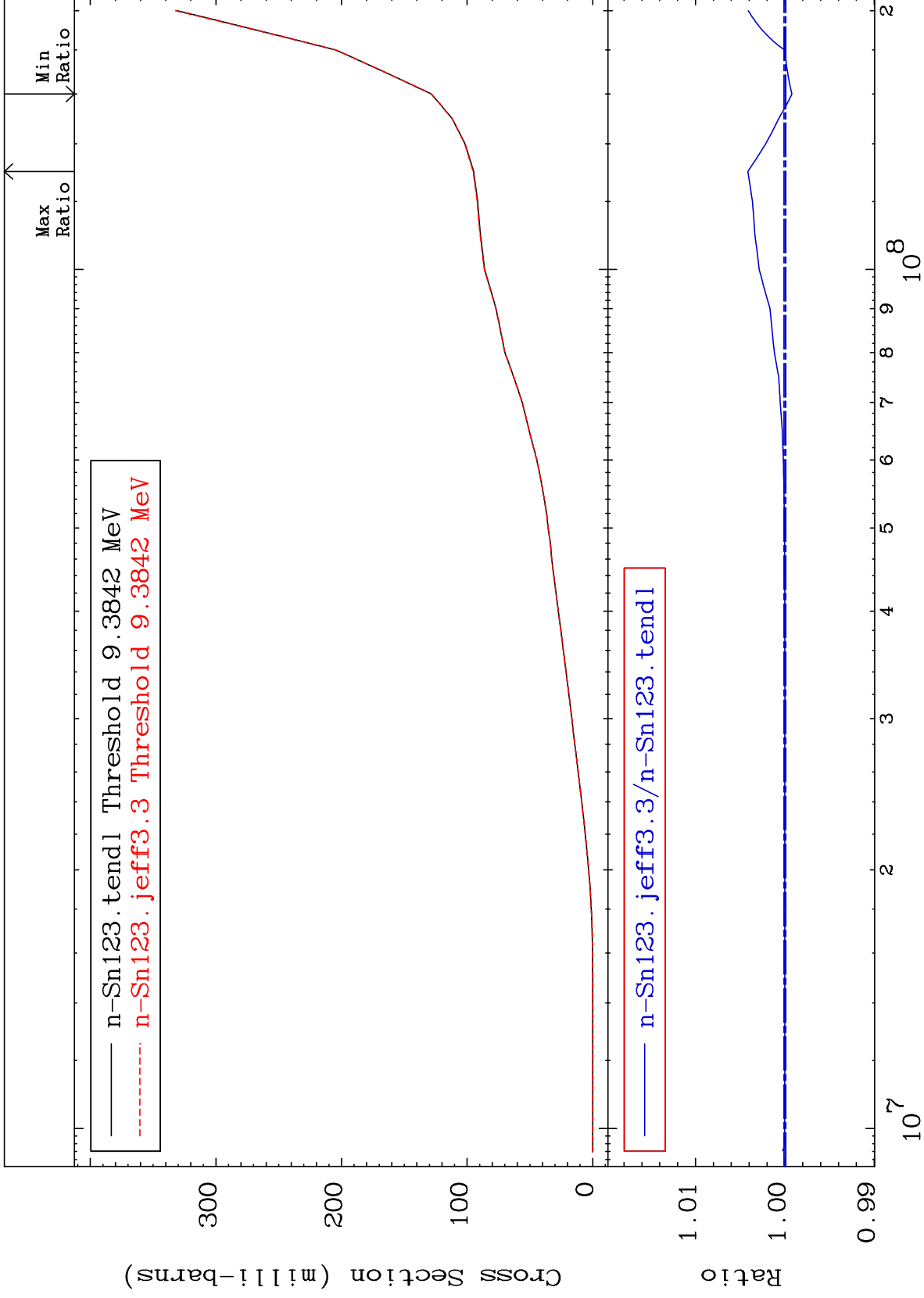
50-Sn-123
-0.382 To 0.381 %



MAT 5058

Deuterium Production
Cross Section

50-Sn-123
-0.079 To 0.414 %



30

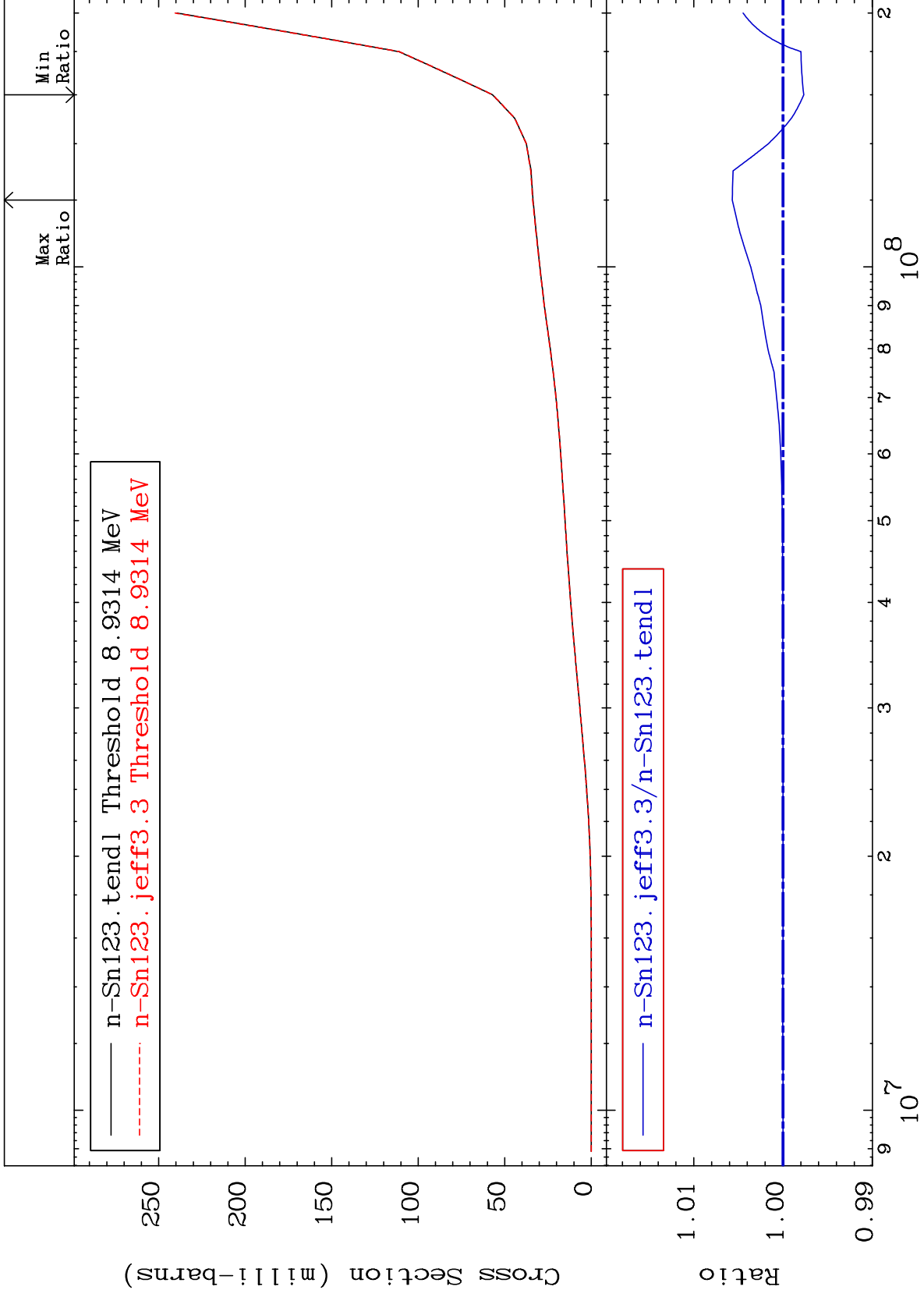
Incident Energy (eV)

50-Sn-123

MAT 5058

Tritium Production
Cross Section

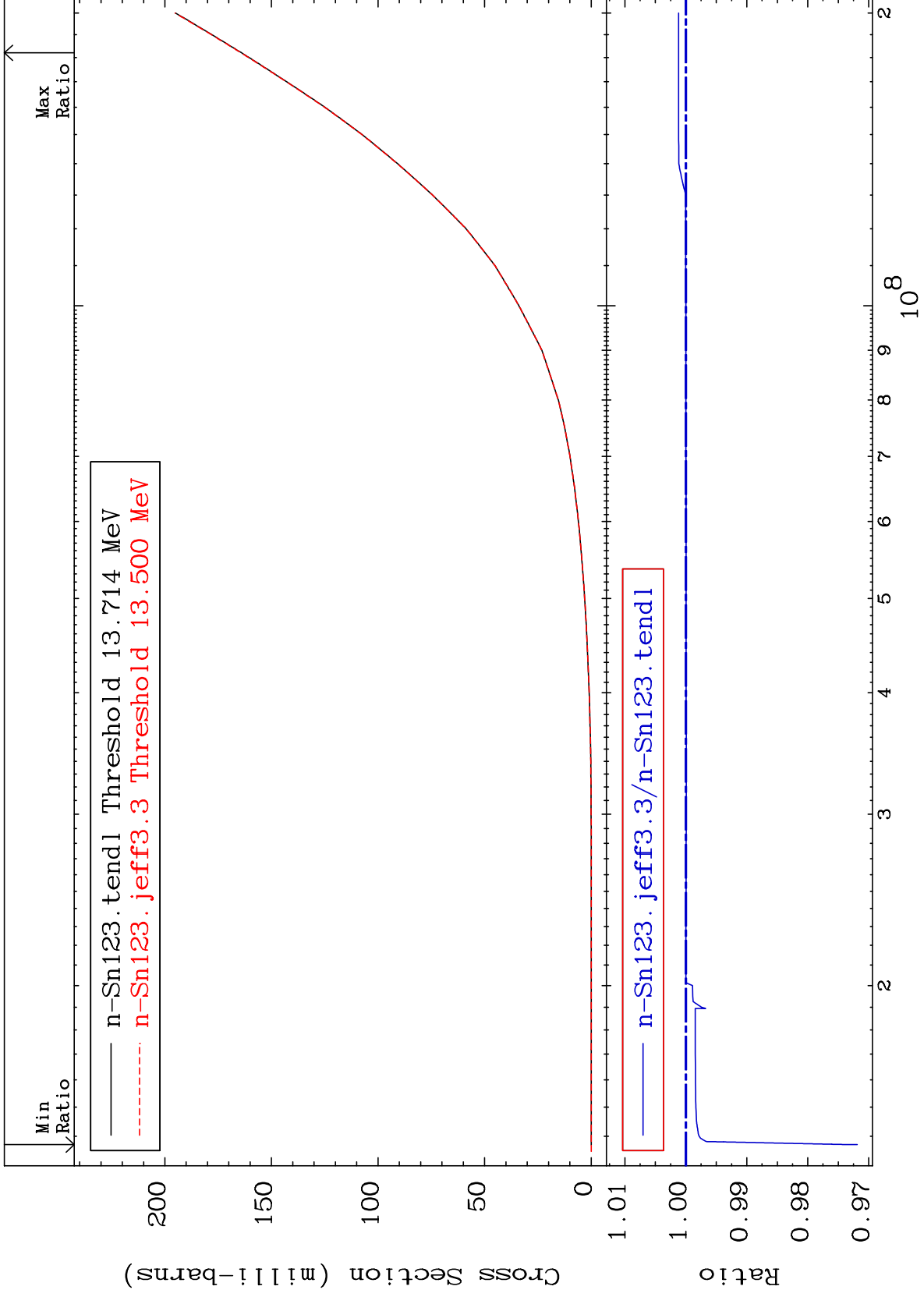
50-Sn-123
-0.233 To 0.570 %



31

Incident Energy (eV)

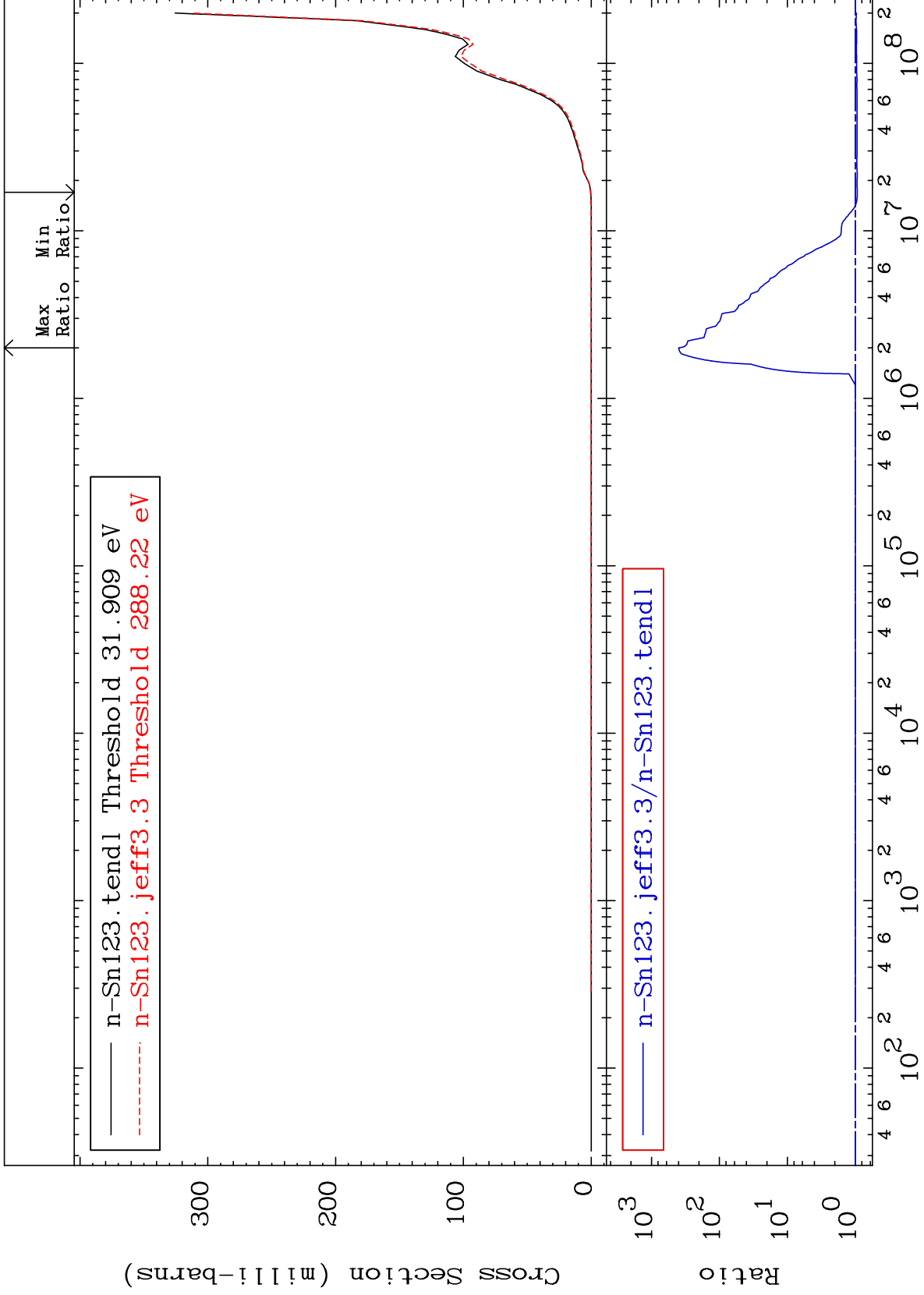
50-Sn-123

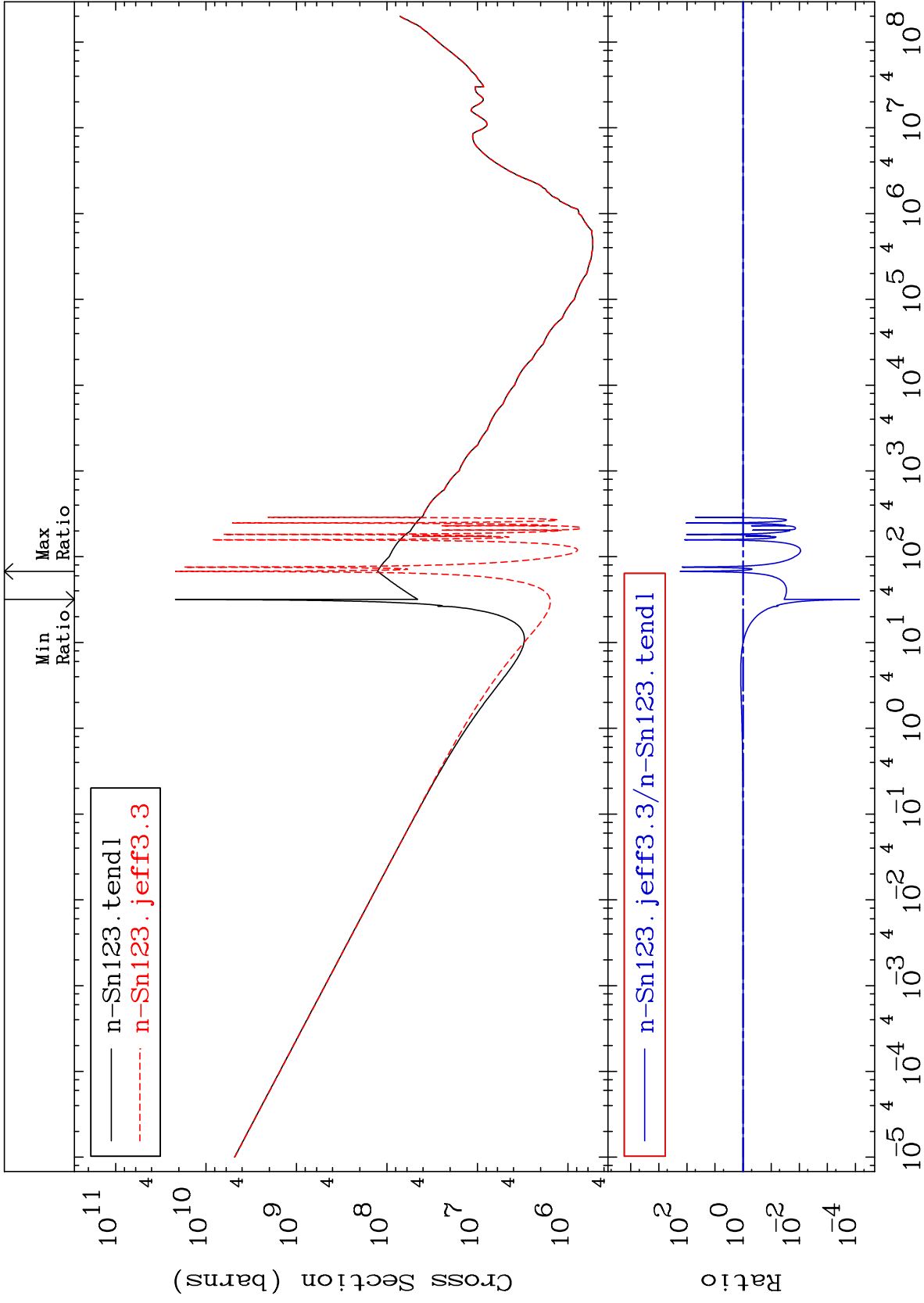


MAT 5058

He-4 Production
Cross Section

50-Sn-123
-6.395 To 9999. %

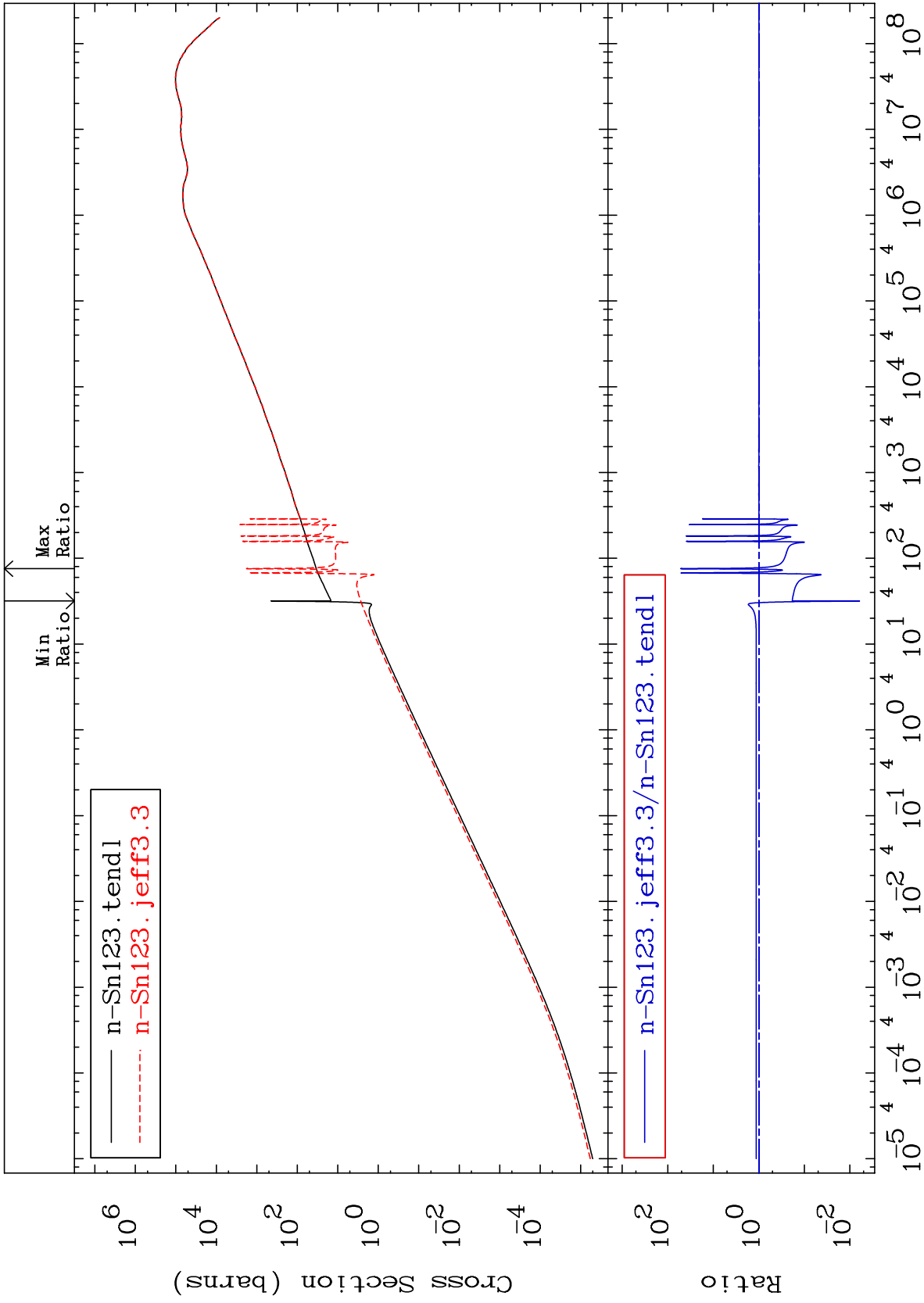


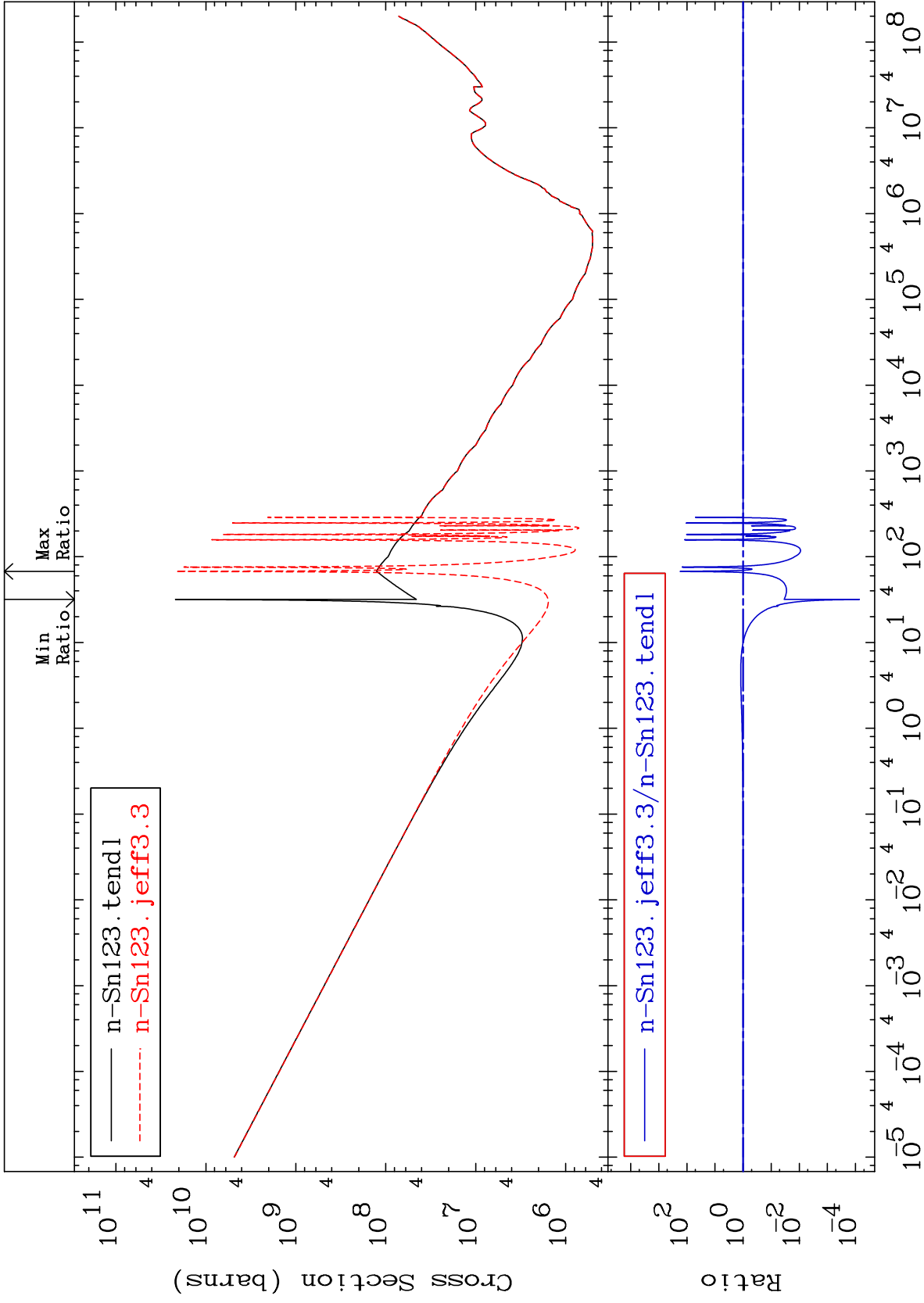


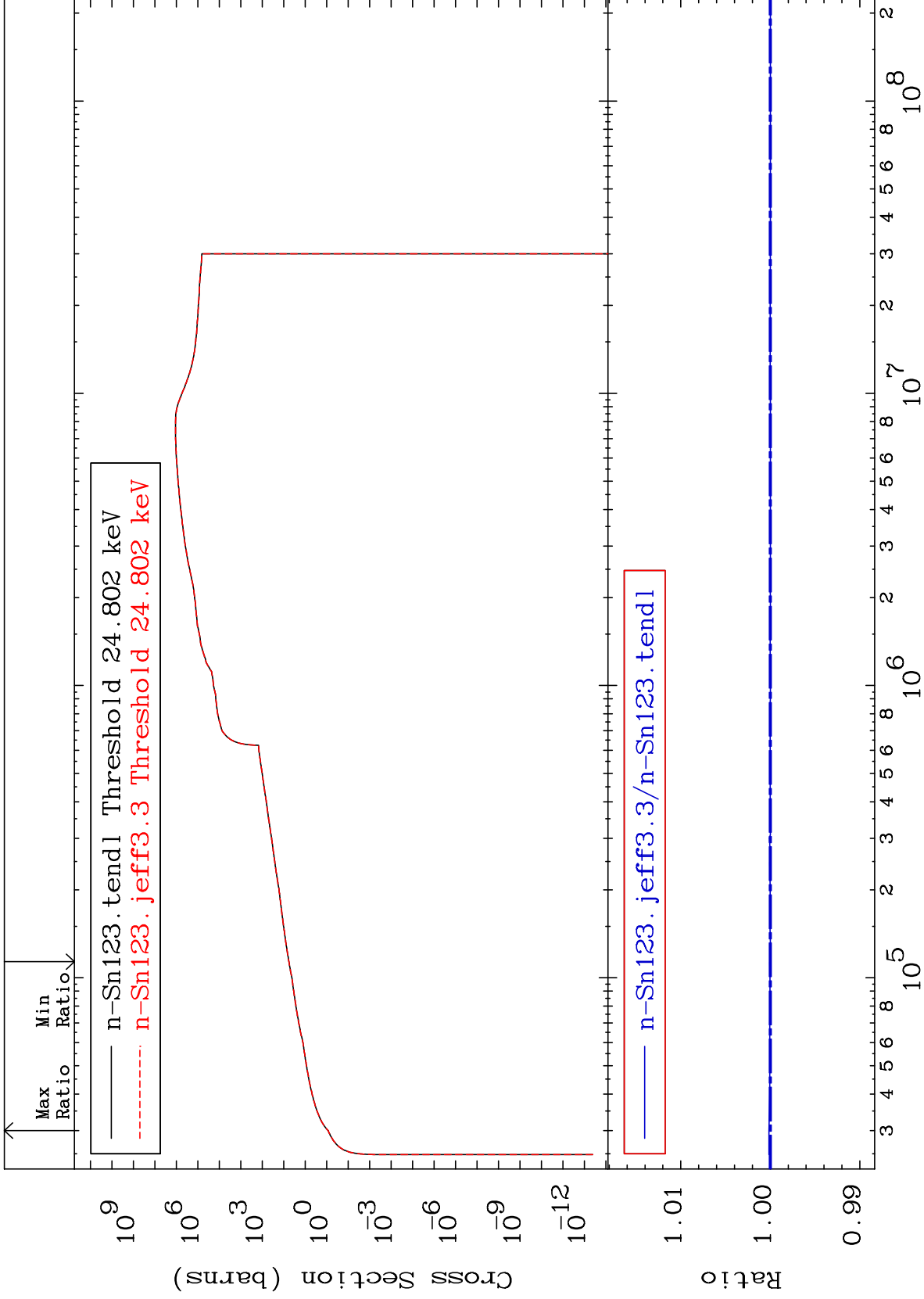
MAT 5058

Kerma elastic
Cross Section

50-Sn-123
-99.38 To 5188. %



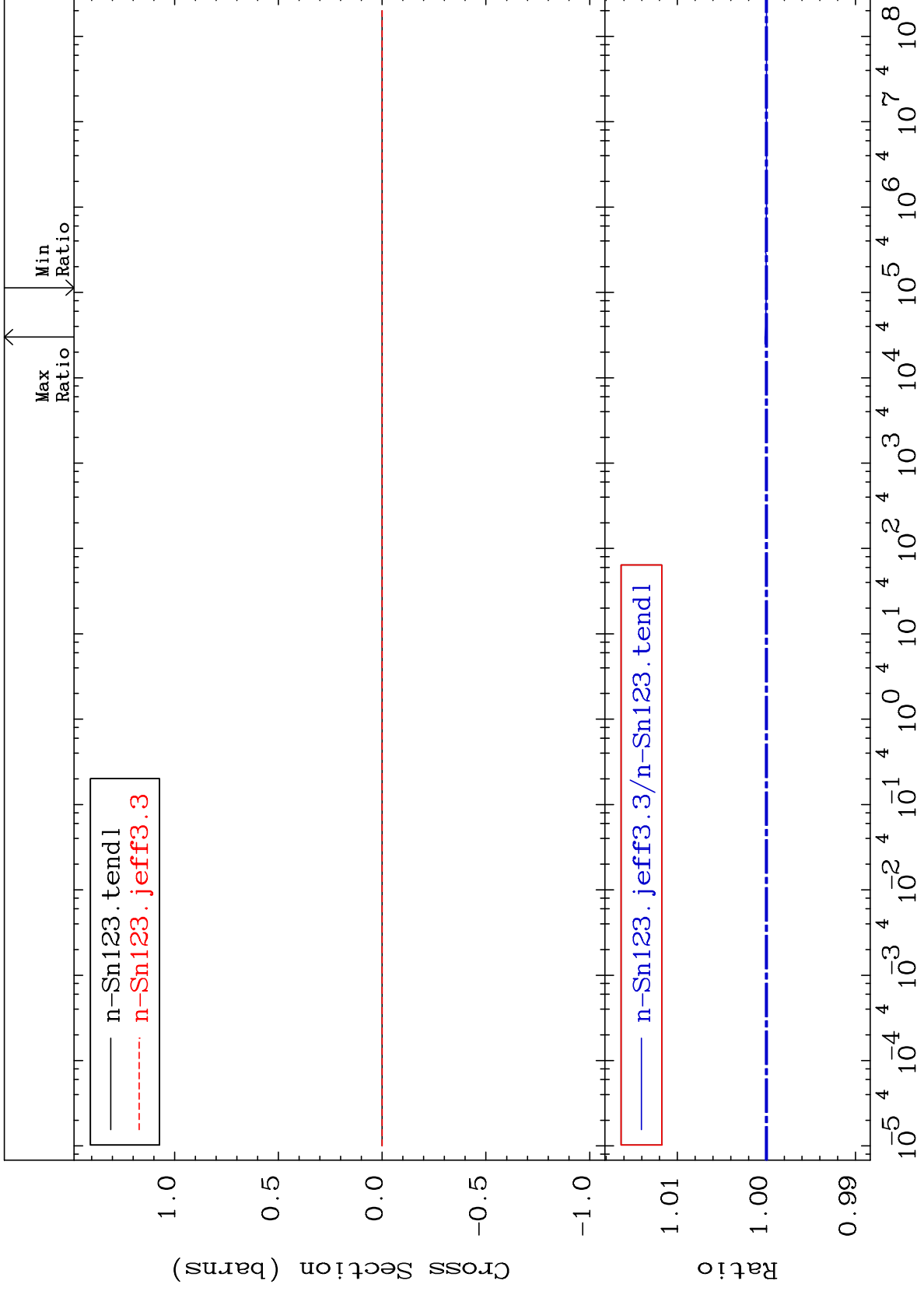




MAT 5058

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

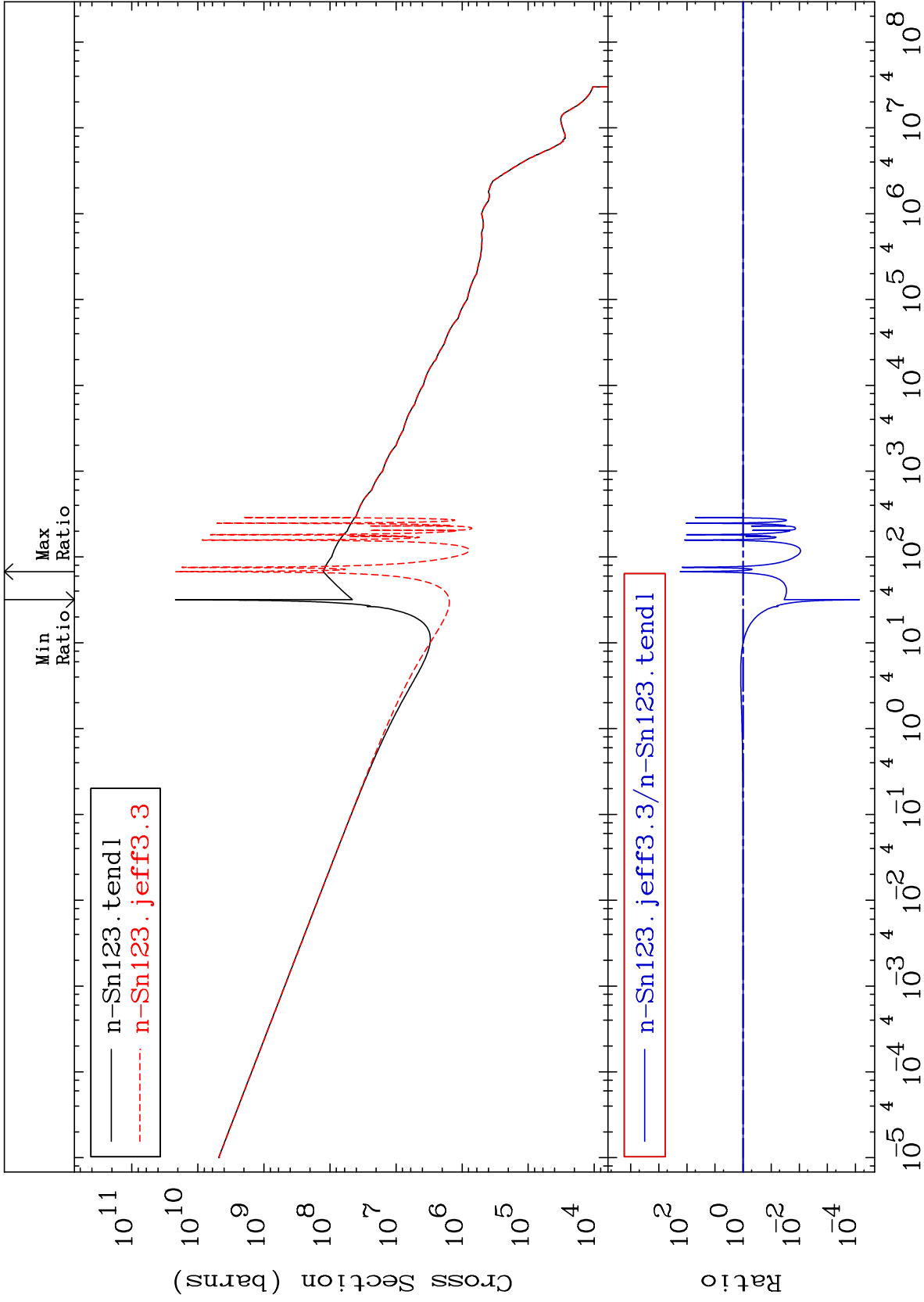
50-Sn-123
-0.006 To 0.015 %



MAT 5058

Kerma capture (mt102)
Cross Section

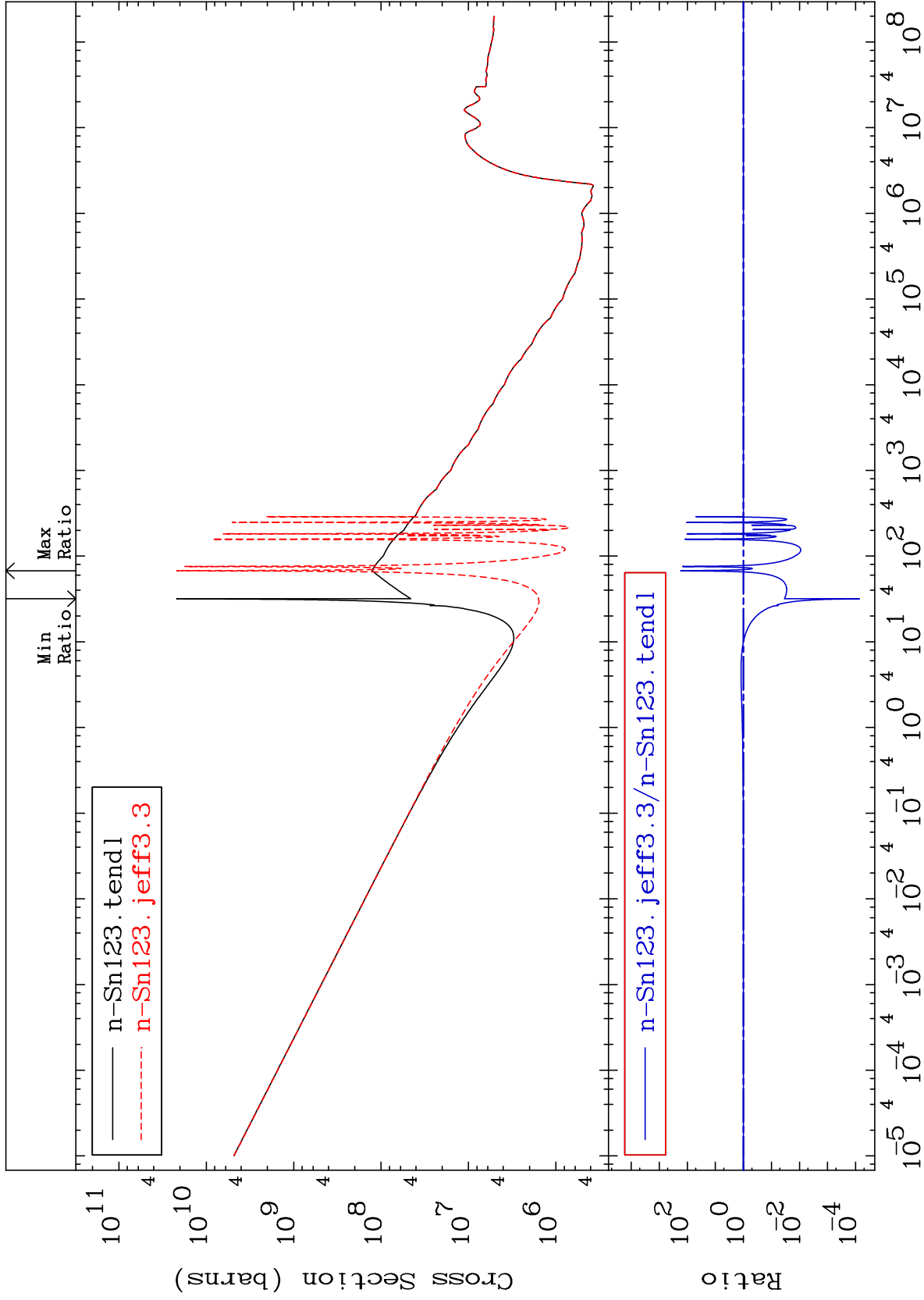
50-Sn-123
-99.99 To 9999. %



MAT 5058

Total photon (eV-barns)
Cross Section

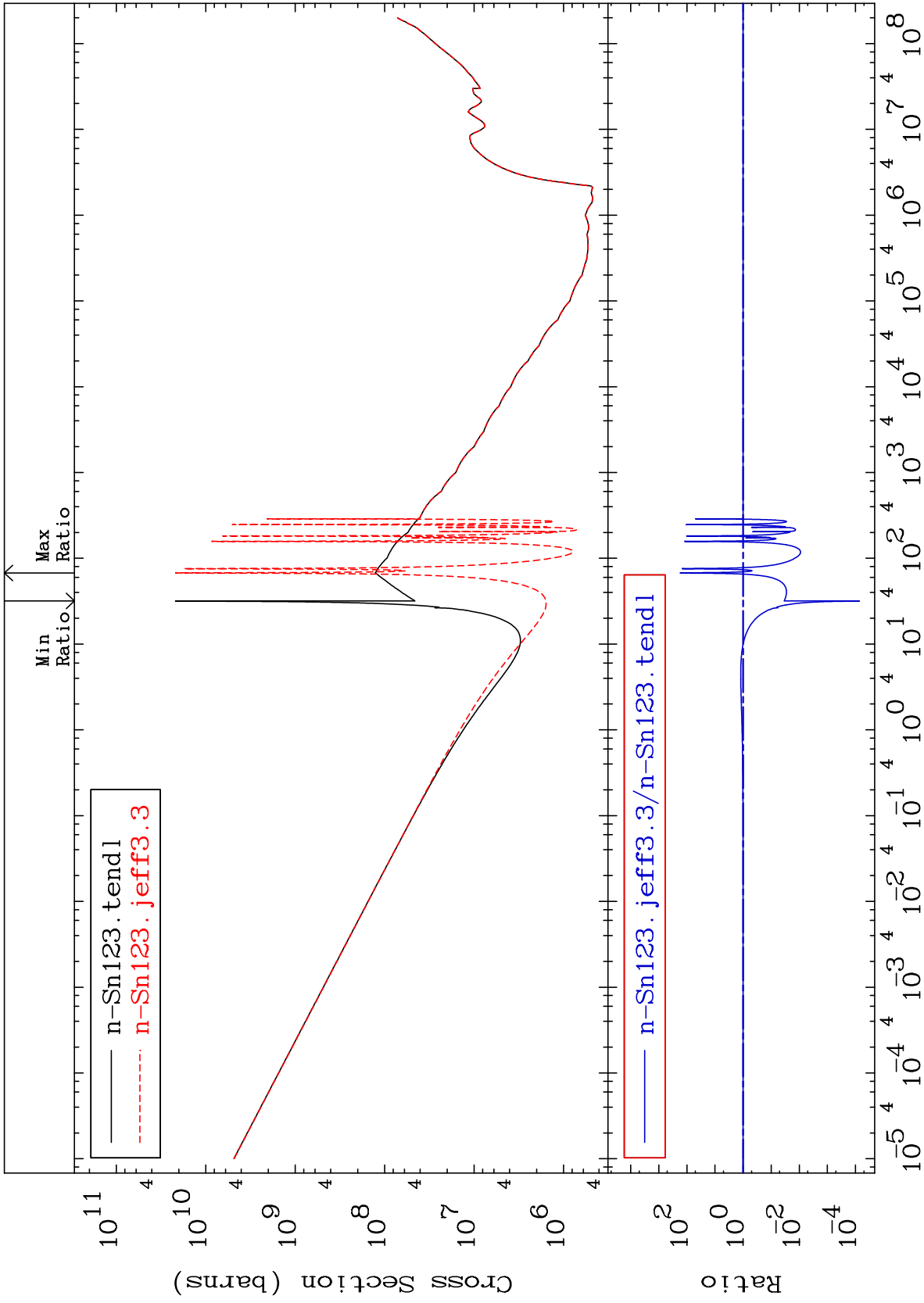
50-Sn-123
-99.99 To 9999. %



Incident Energy (eV)

50-Sn-123

40



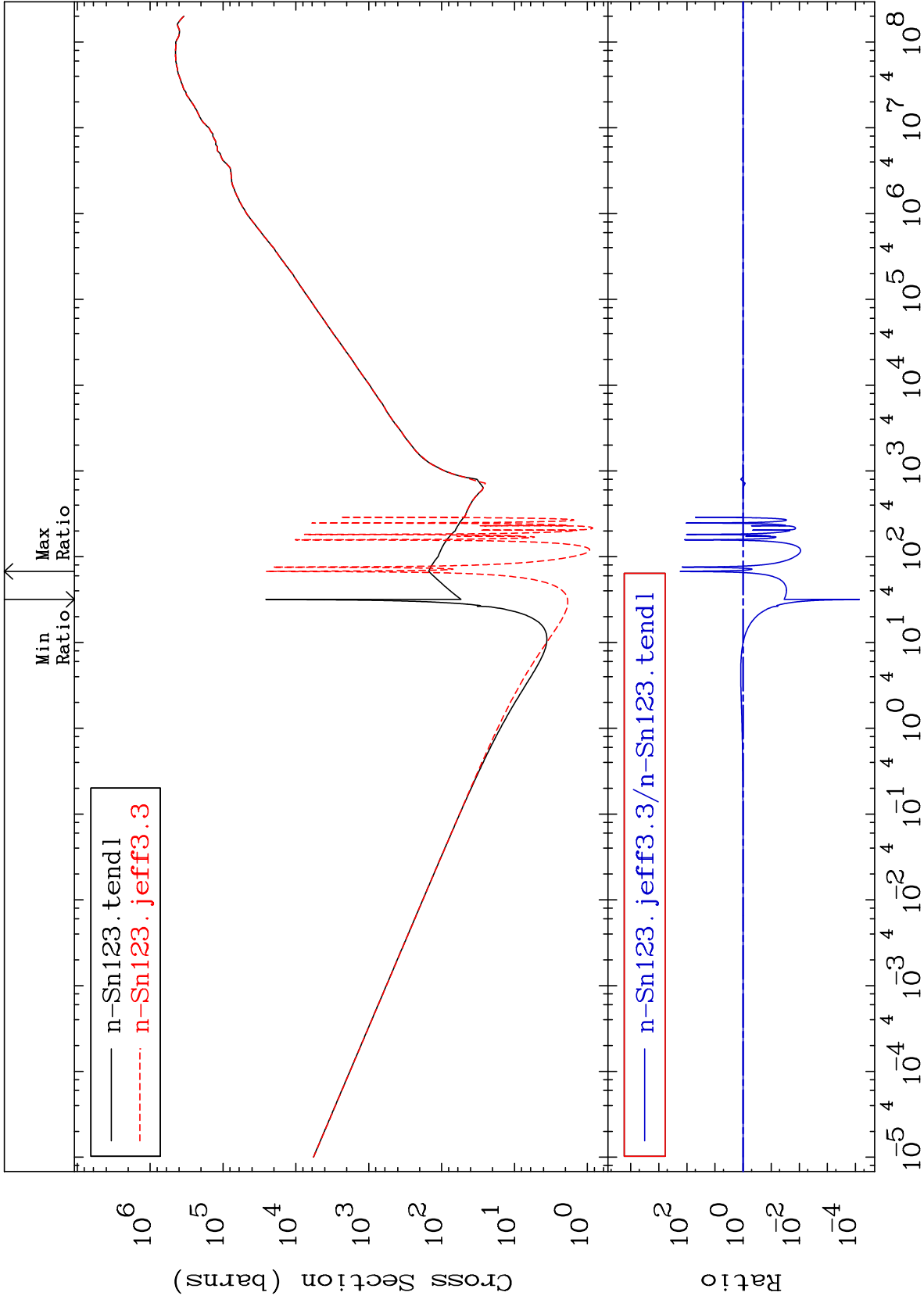
MAT 5058

Dpa total (eV-barns)

50-Sn-123

-99.99 To 9999. %

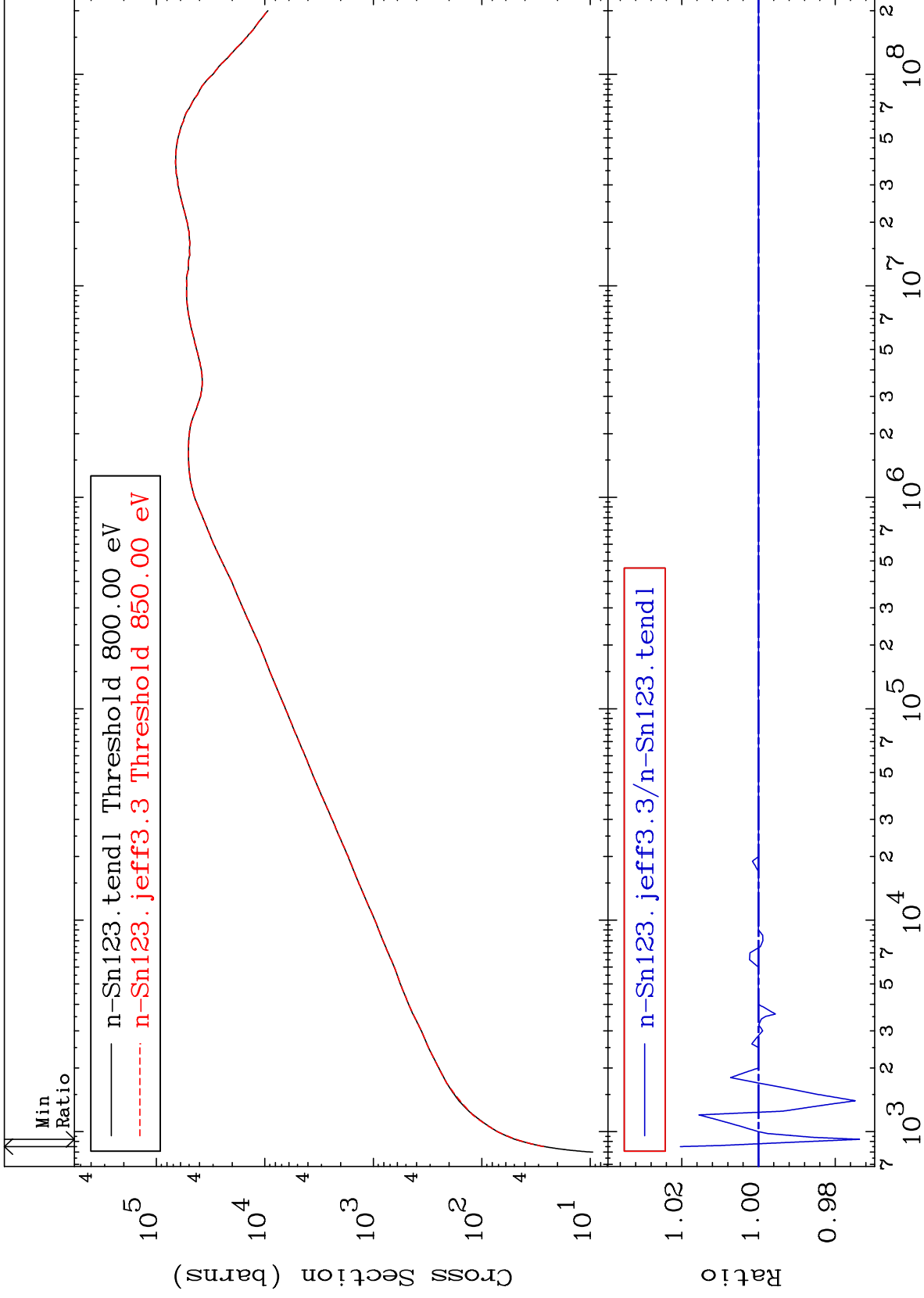
Cross Section



MAT 5058

Dpa elastic (mt2)
Cross Section

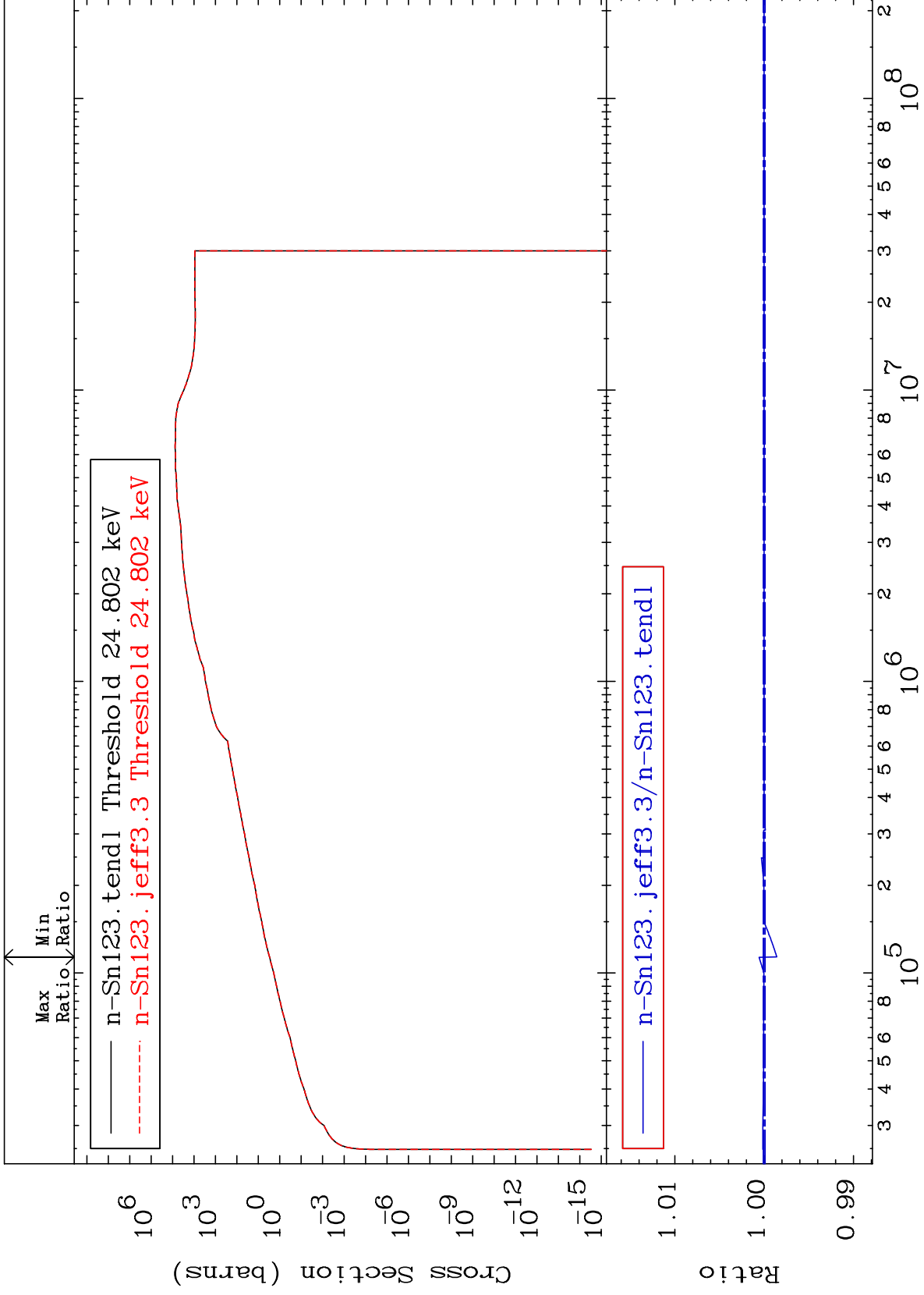
50-Sn-123
-2.632 To 2.035 %

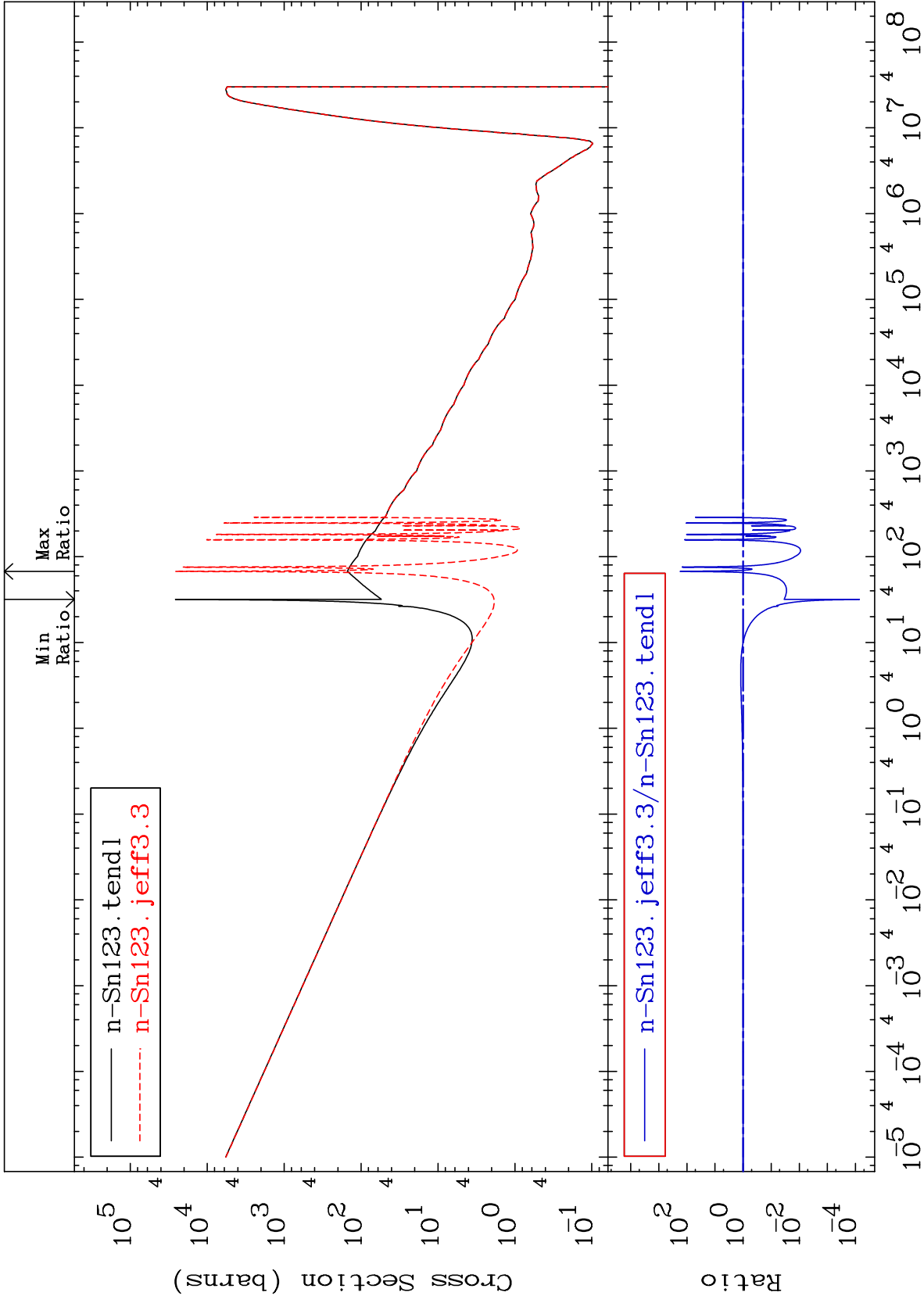


43

Incident Energy (eV)

50-Sn-123



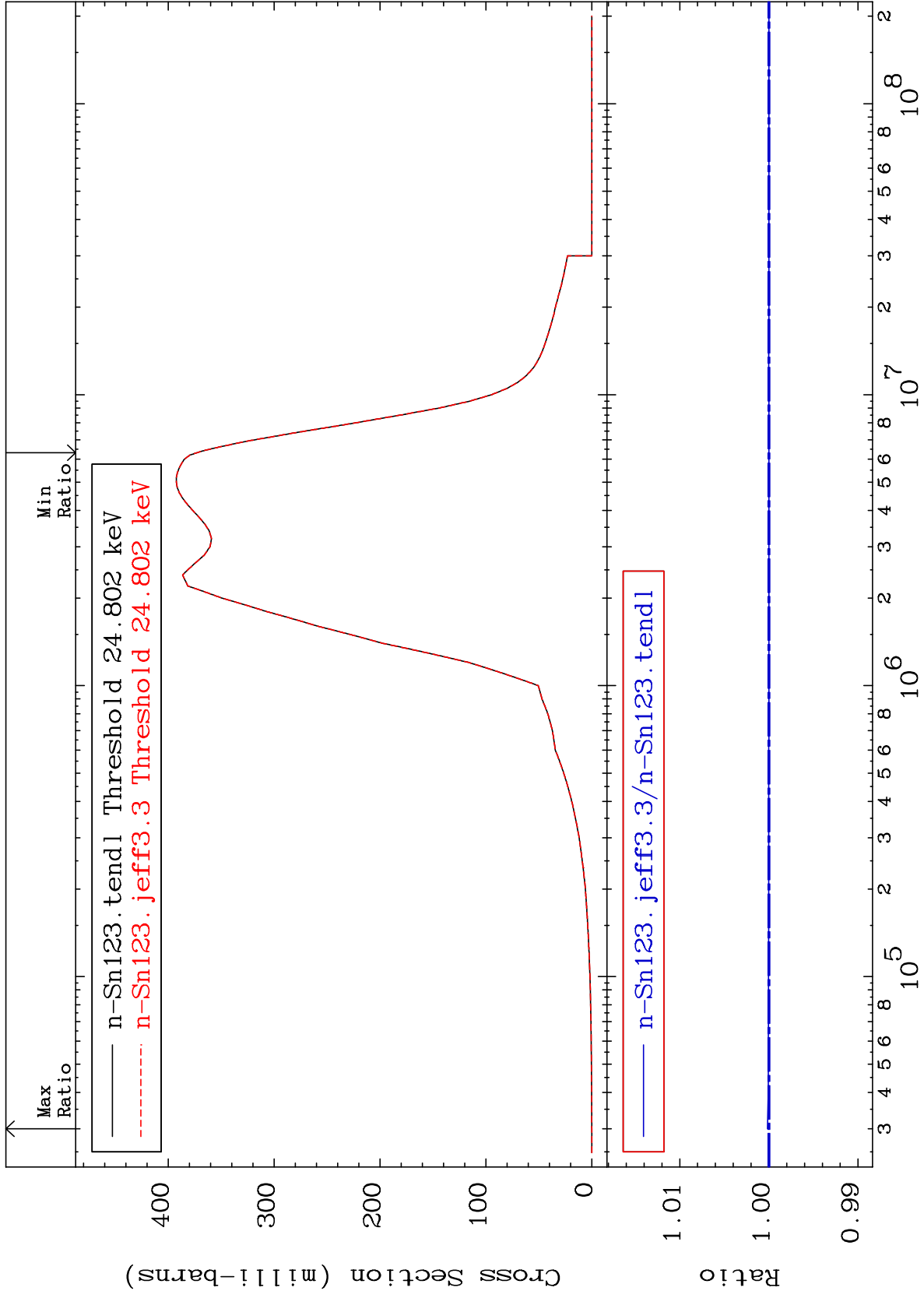


MAT 5058

Inelastic:50-Sn-123m1

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.015 %

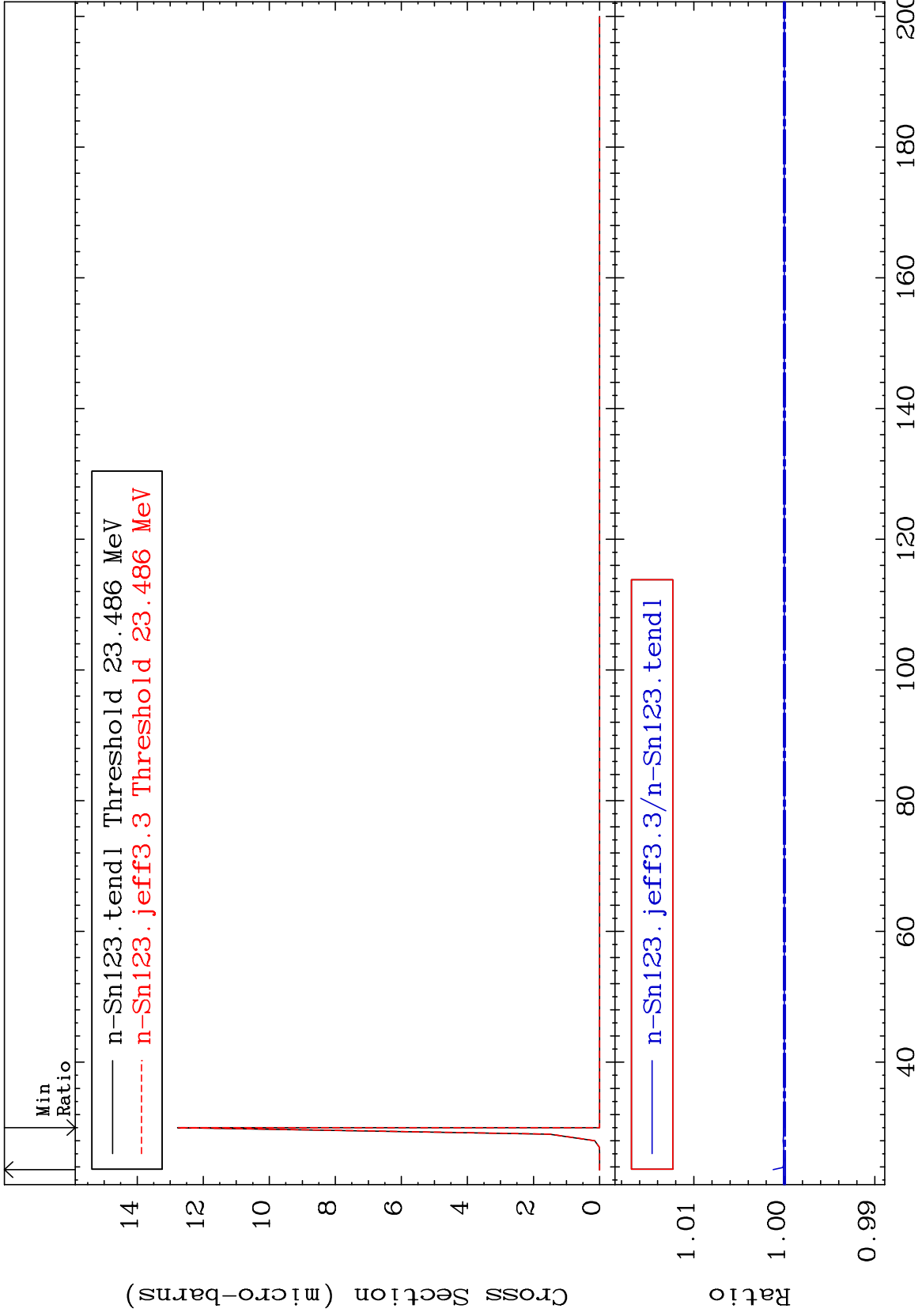


MAT 5058

(n,2n) d:49-In-120g

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.124 %

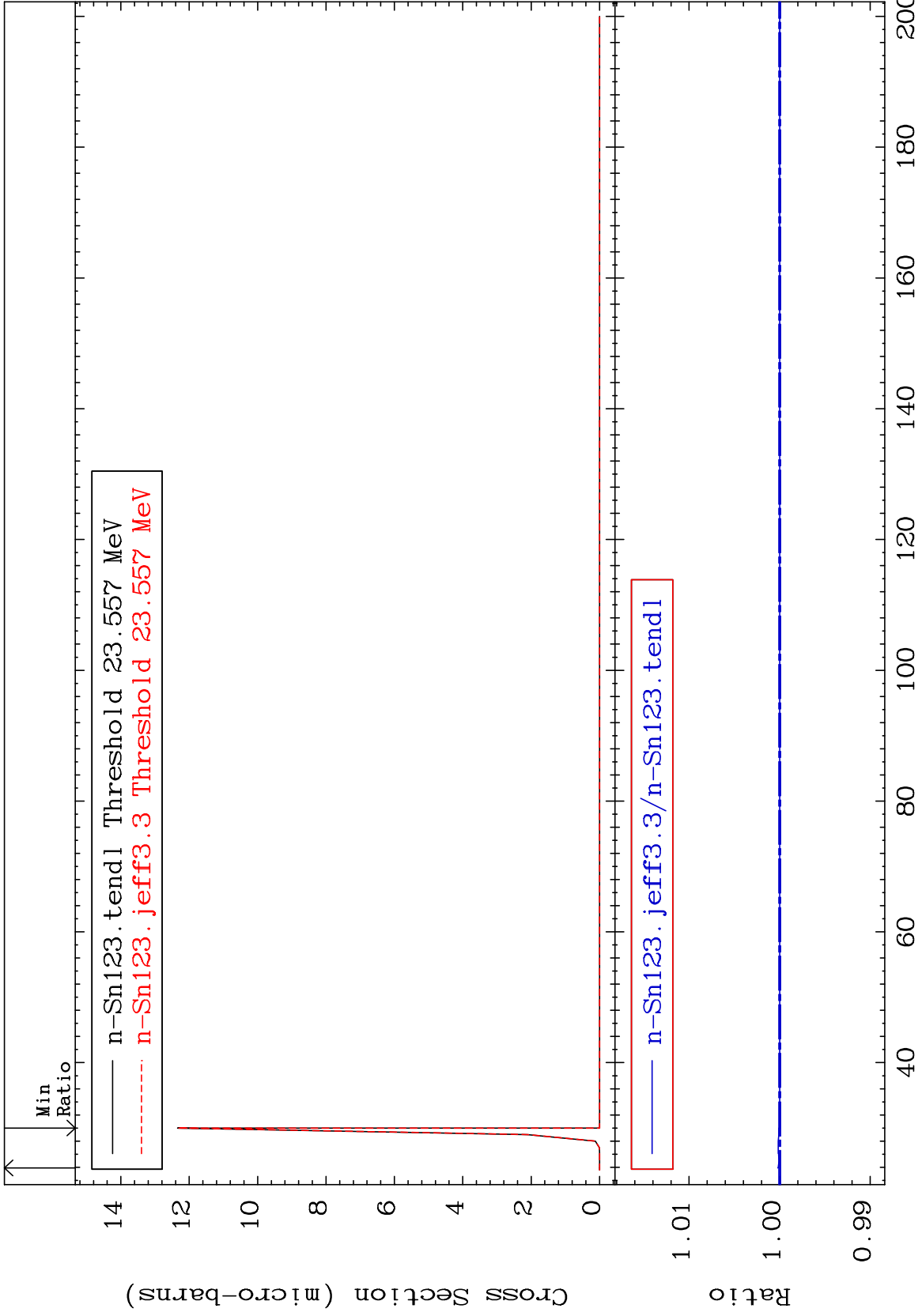


MAT 5058

(n,2n) d:49-In-120m1

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.020 %

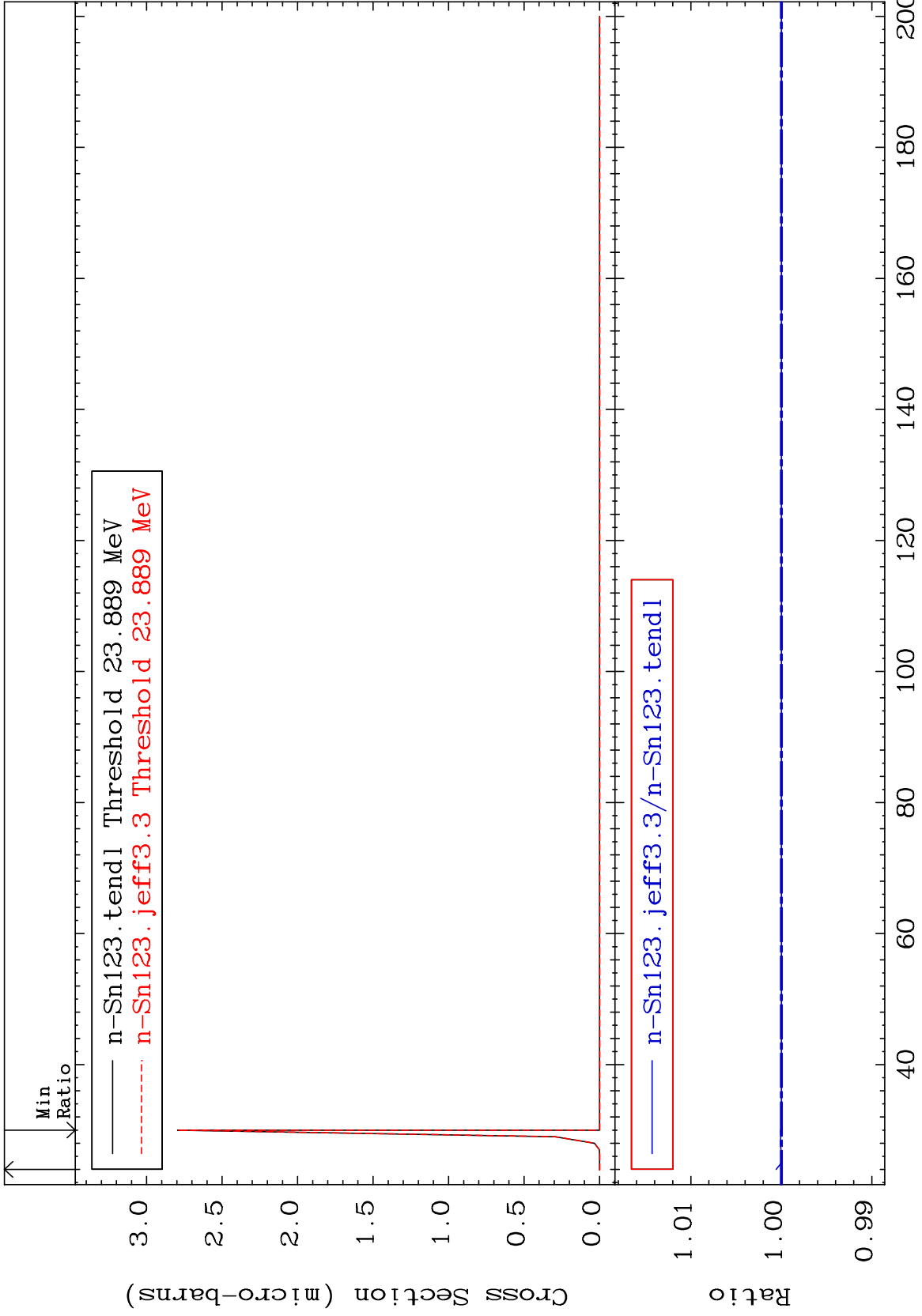


MAT 5058

(n,2n) d:49-In-120m2

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.057 %



49

Incident Energy (MeV)

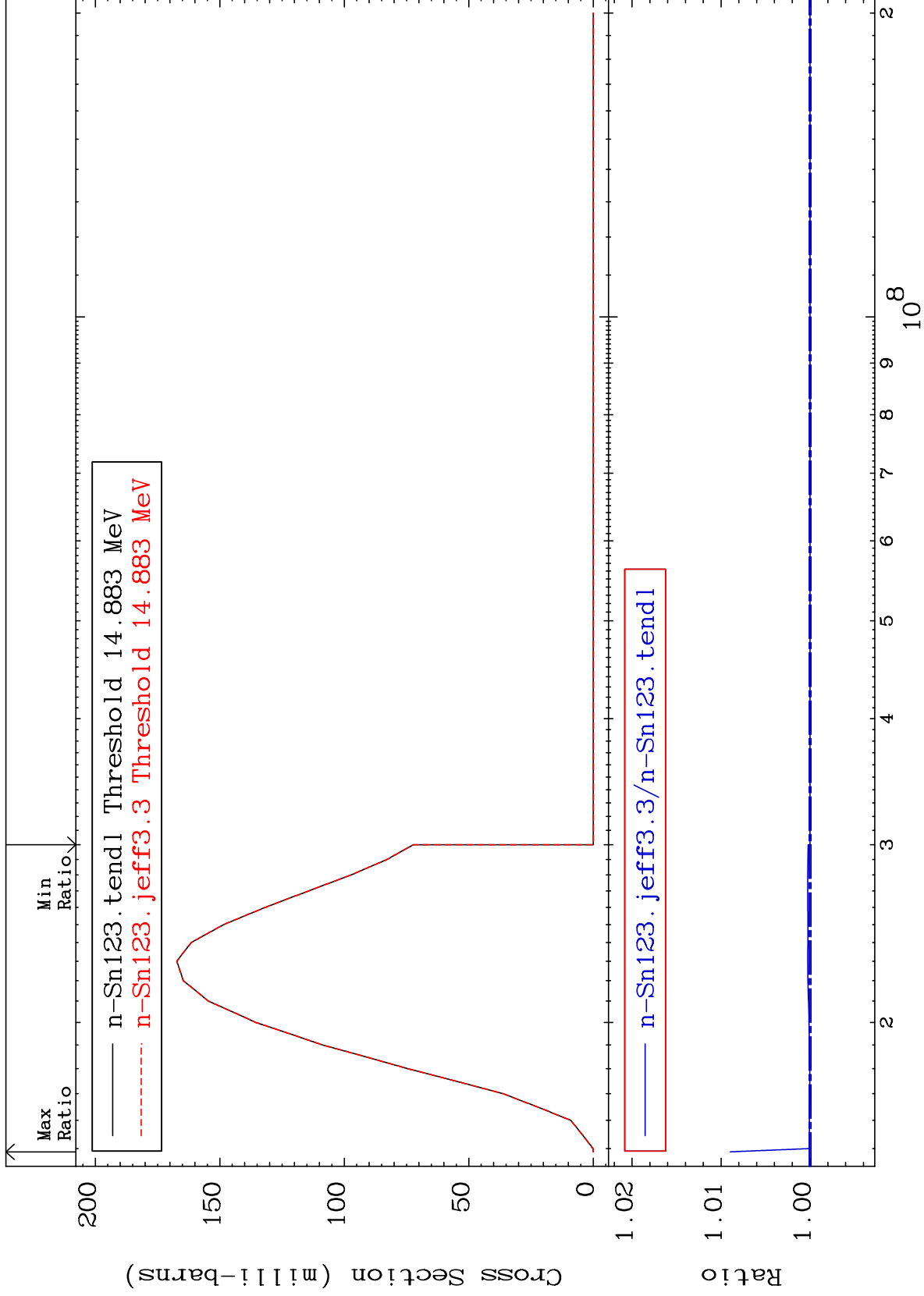
50-Sn-123

MAT 5058

(n,3n):50-Sn-121g

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.897 %



50

Incident Energy (eV)

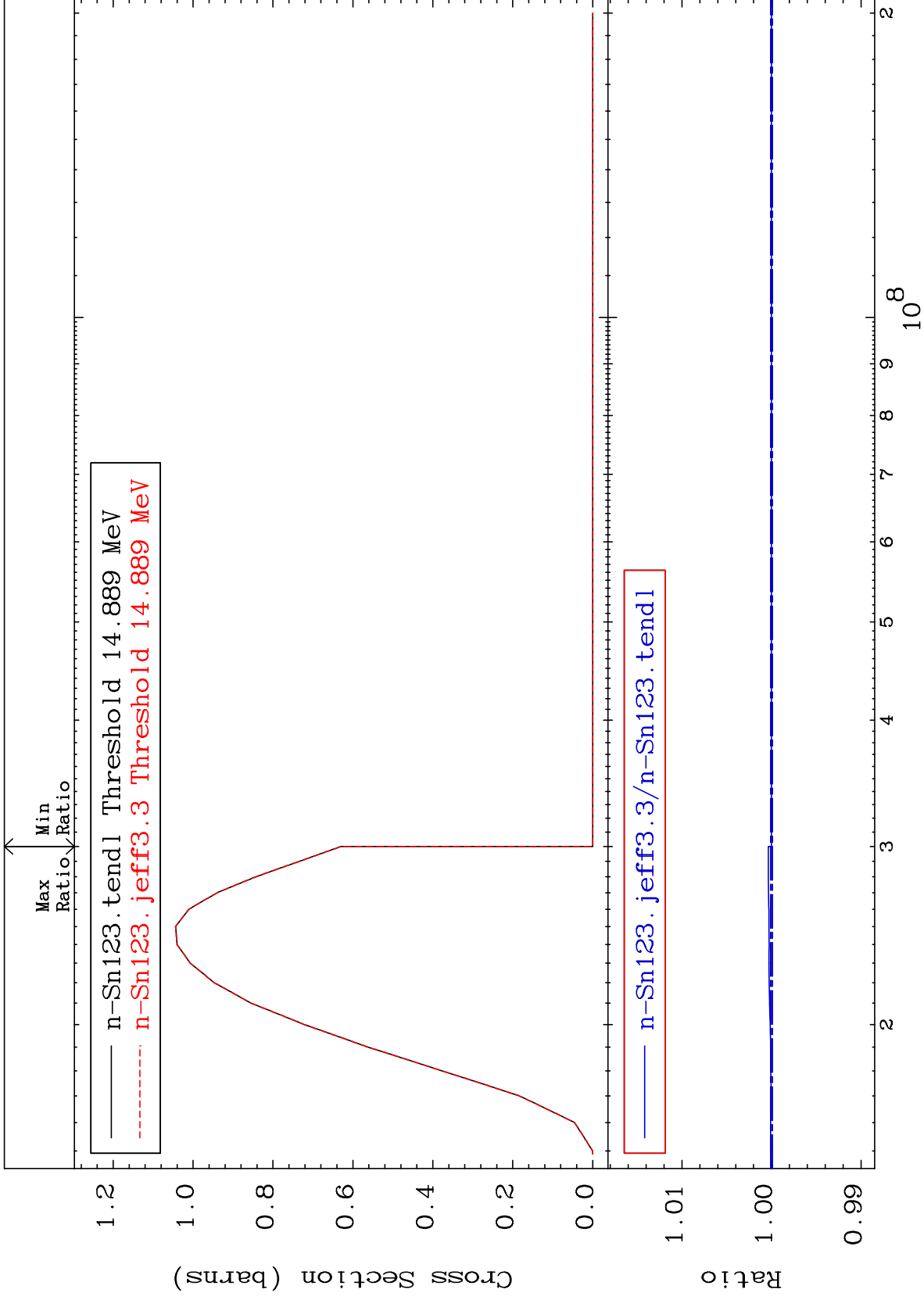
50-Sn-123

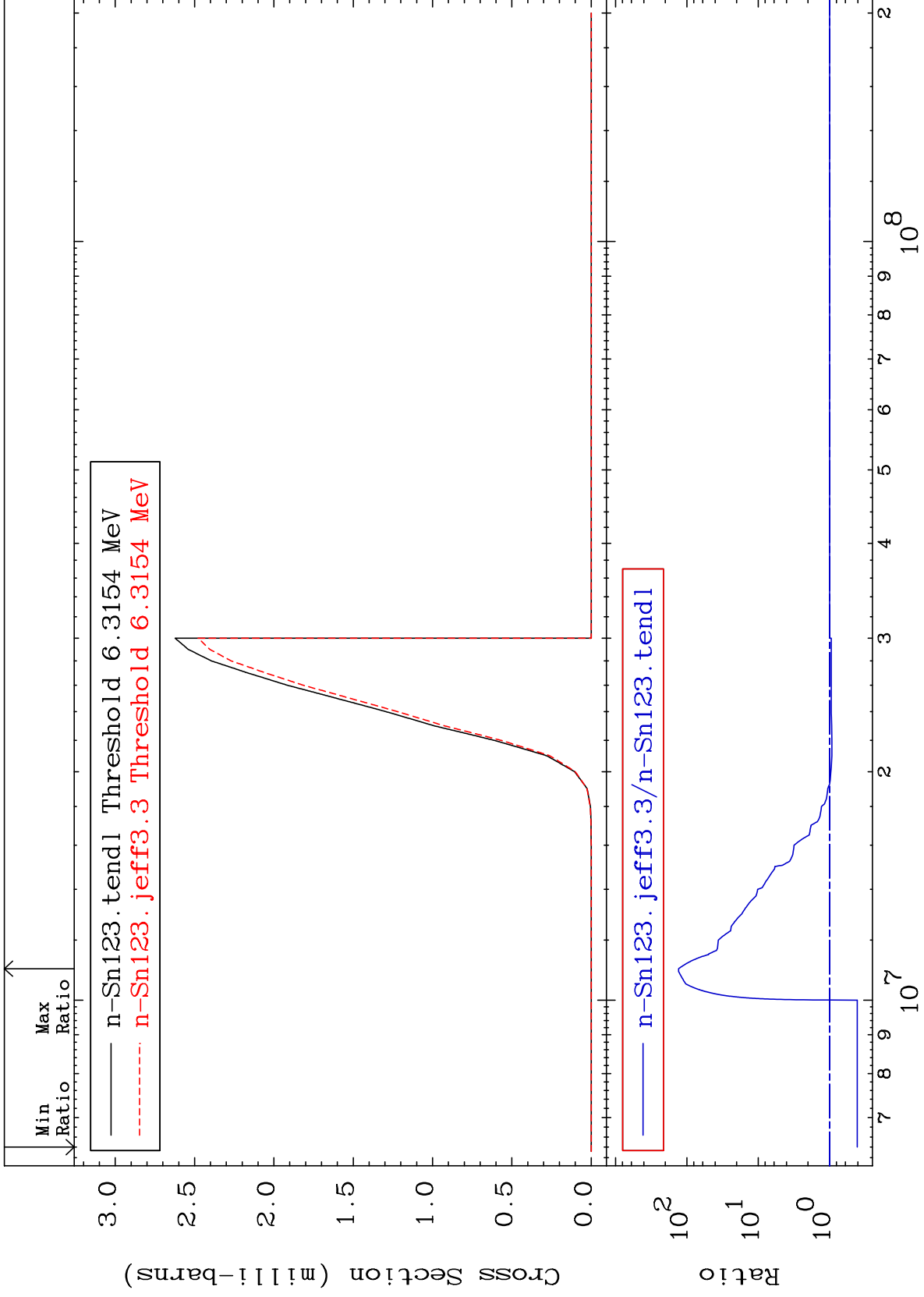
MAT 5058

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

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.036 %



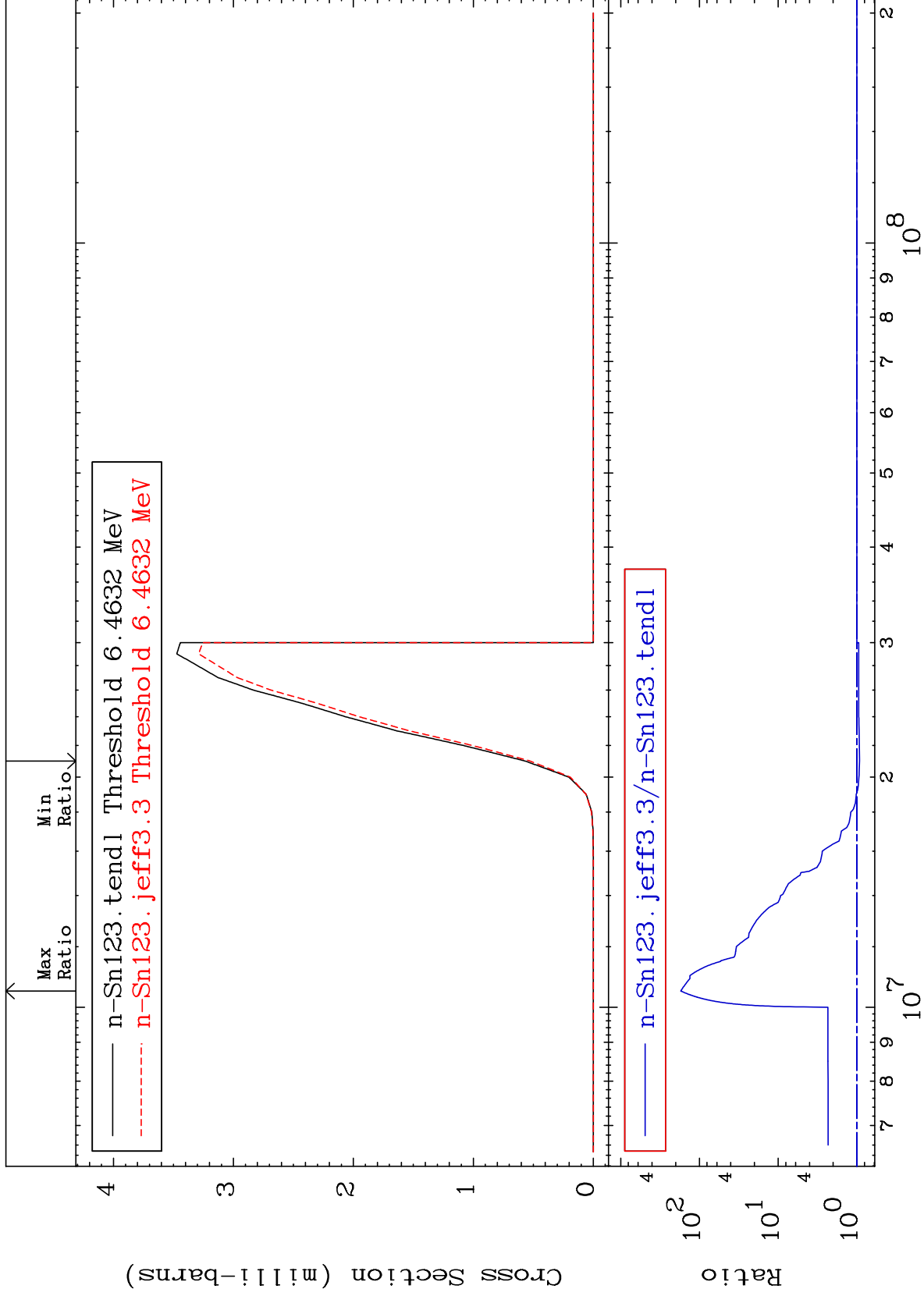


MAT 5058

(n, n') α : 48-Cd-119m2

50-Sn-123

Radionuclide Production Cross Section -7.476 To 9999. %



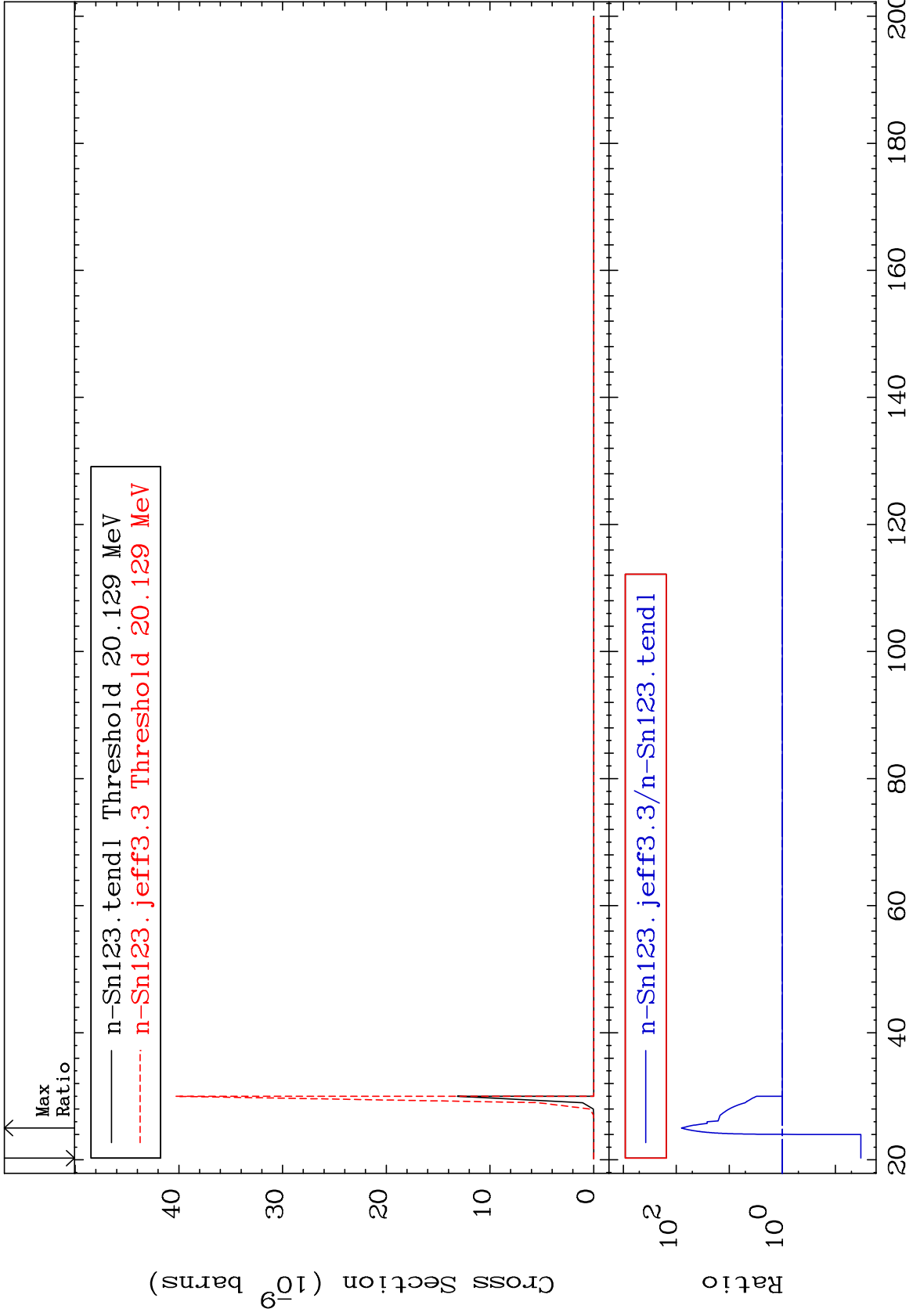
MAT 5058

(n,3n) α : 48-Cd-117g

50-Sn-123

Radionuclide Production Cross Section

-96.69 To 7888. %



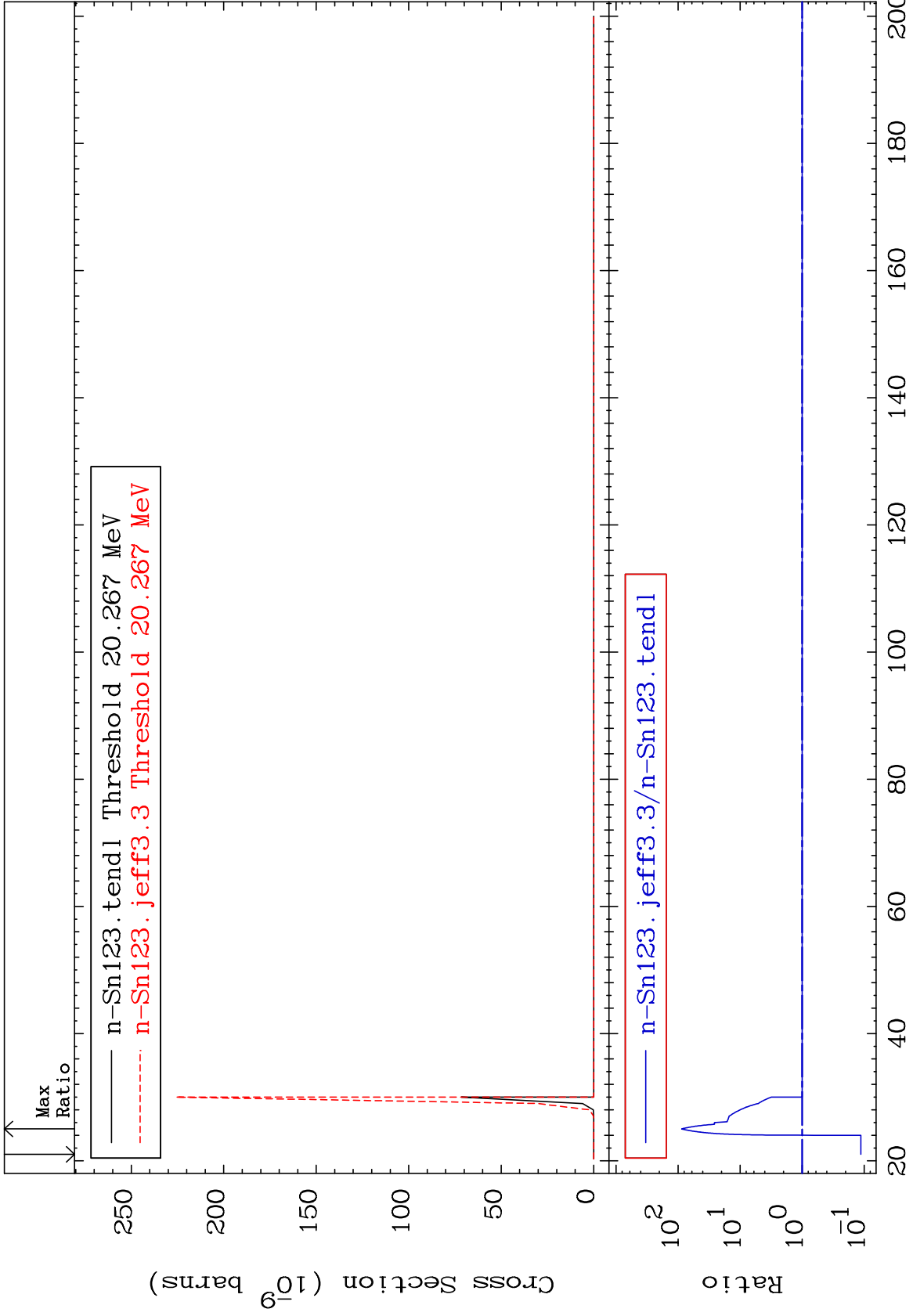
MAT 5058

(n, 3n) α : 48-Cd-117m2

50-Sn-123

Radionuclide Production Cross Section

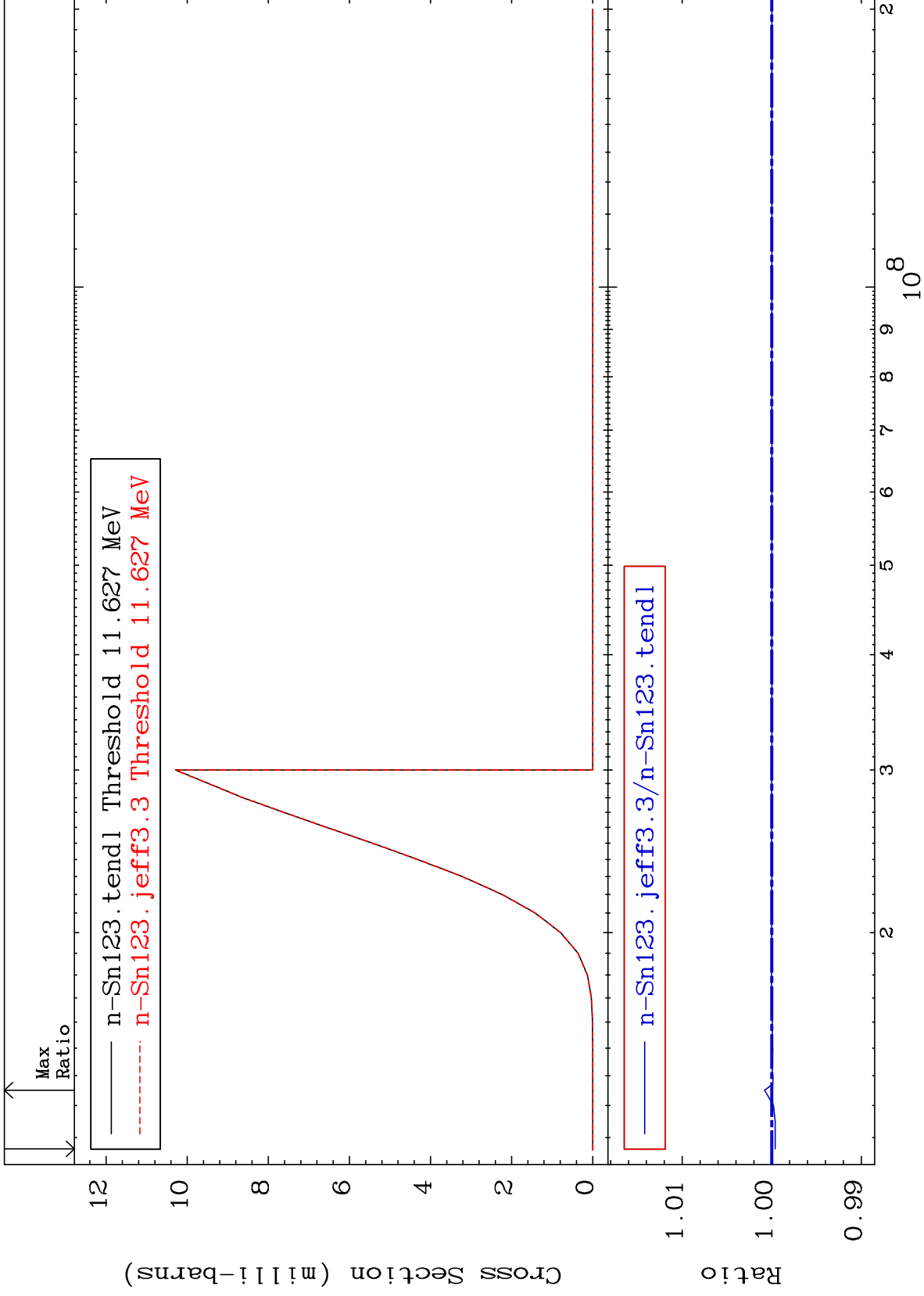
-88.67 To 8712. %



55

Incident Energy (MeV)

50-Sn-123

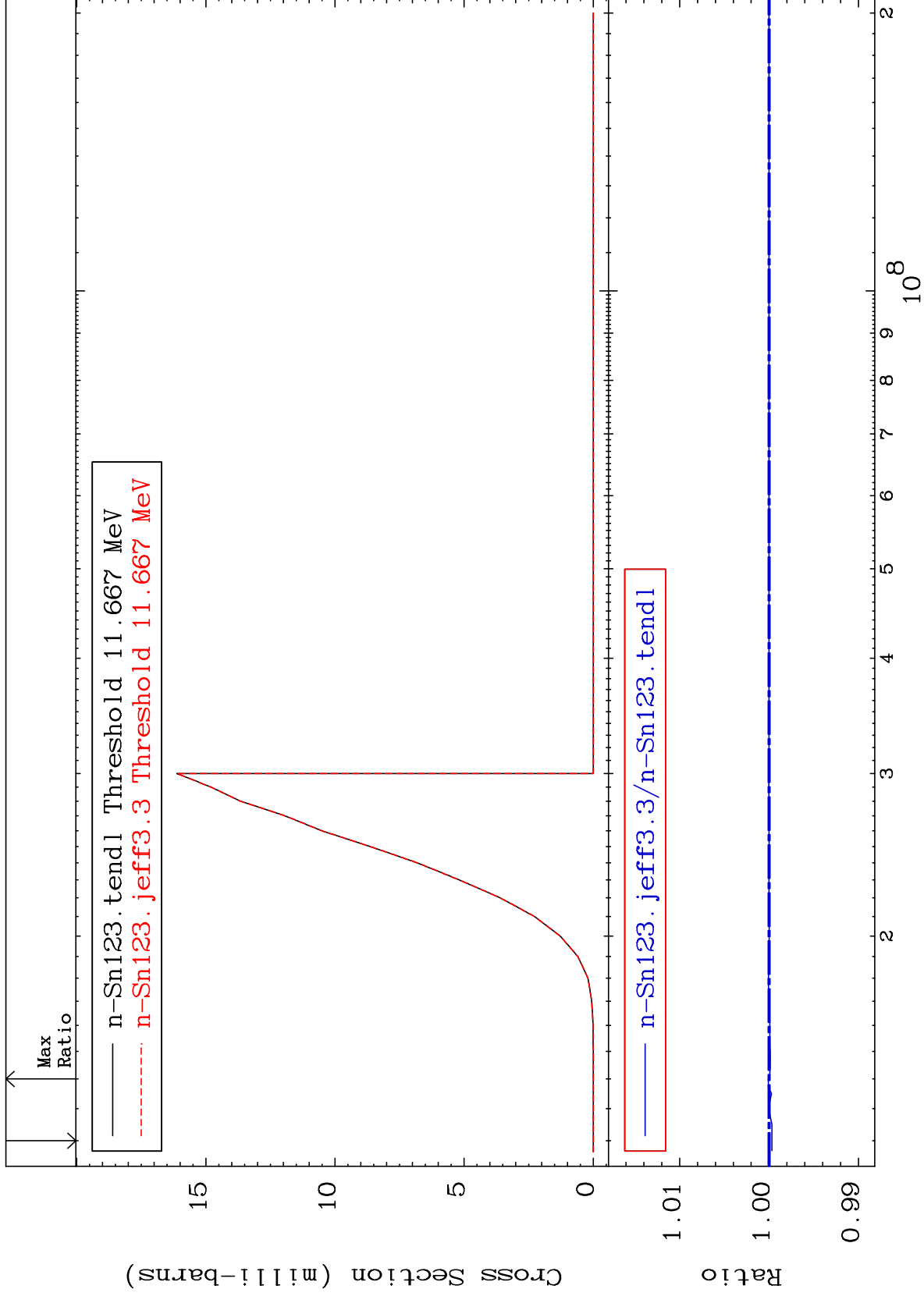


MAT 5058

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

50-Sn-123

Radionuclide Production Cross Section -0.033 To 0.008 %

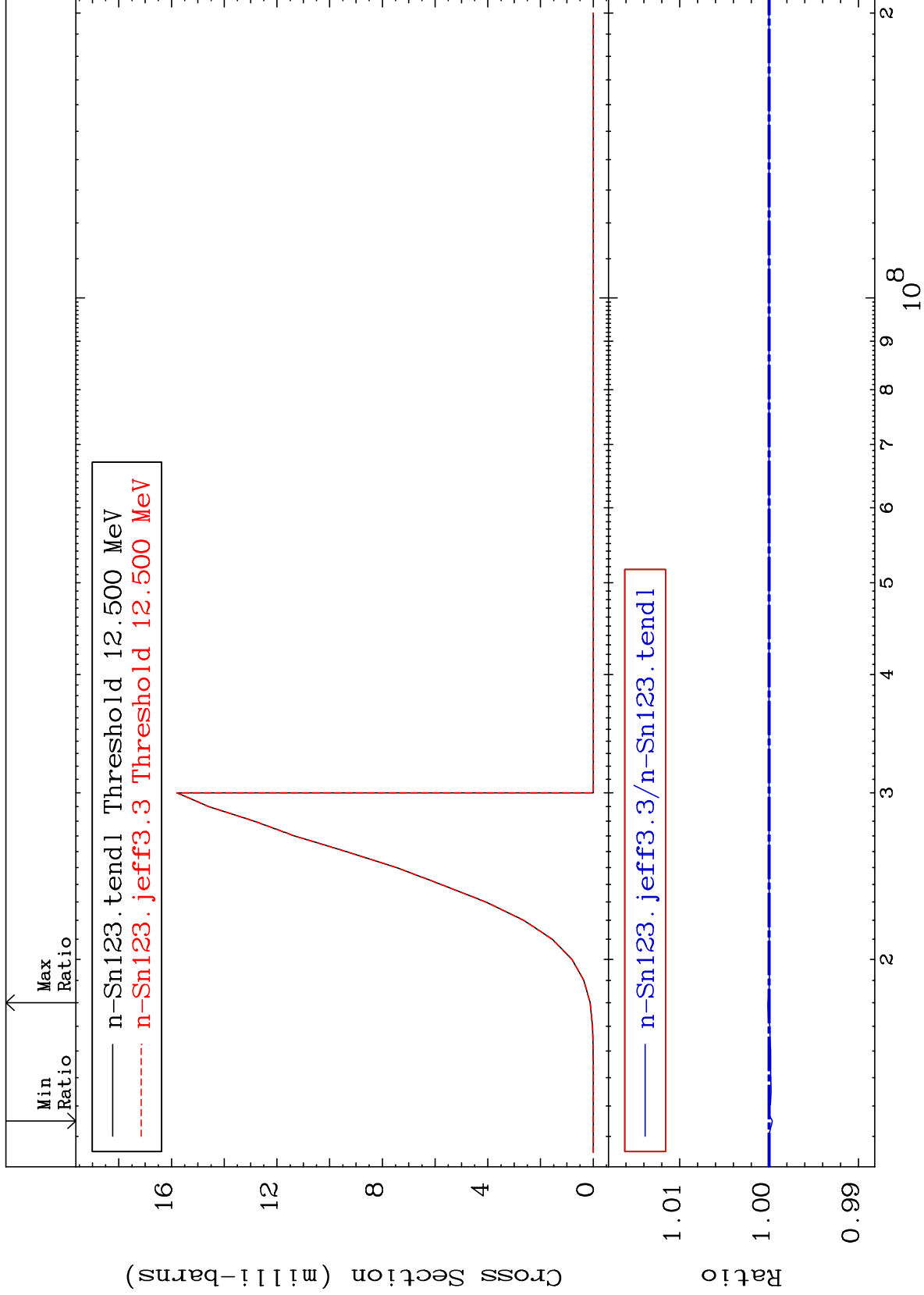


57

Incident Energy (eV)

50-Sn-123

Radionuclide Production Cross Section -0.037 To 0.013 %

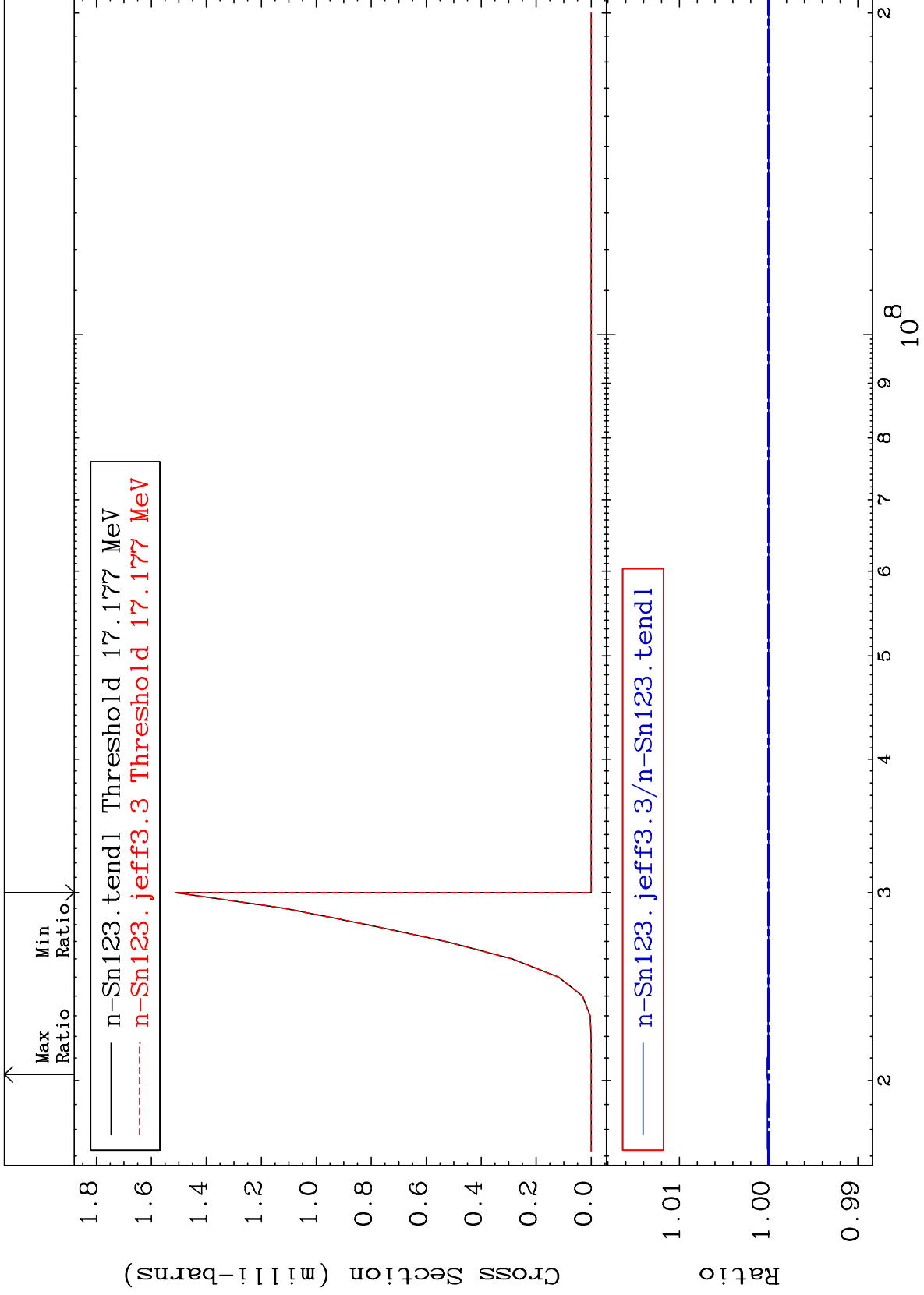


MAT 5058

(n, n') t:49-In-120g

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.016 %

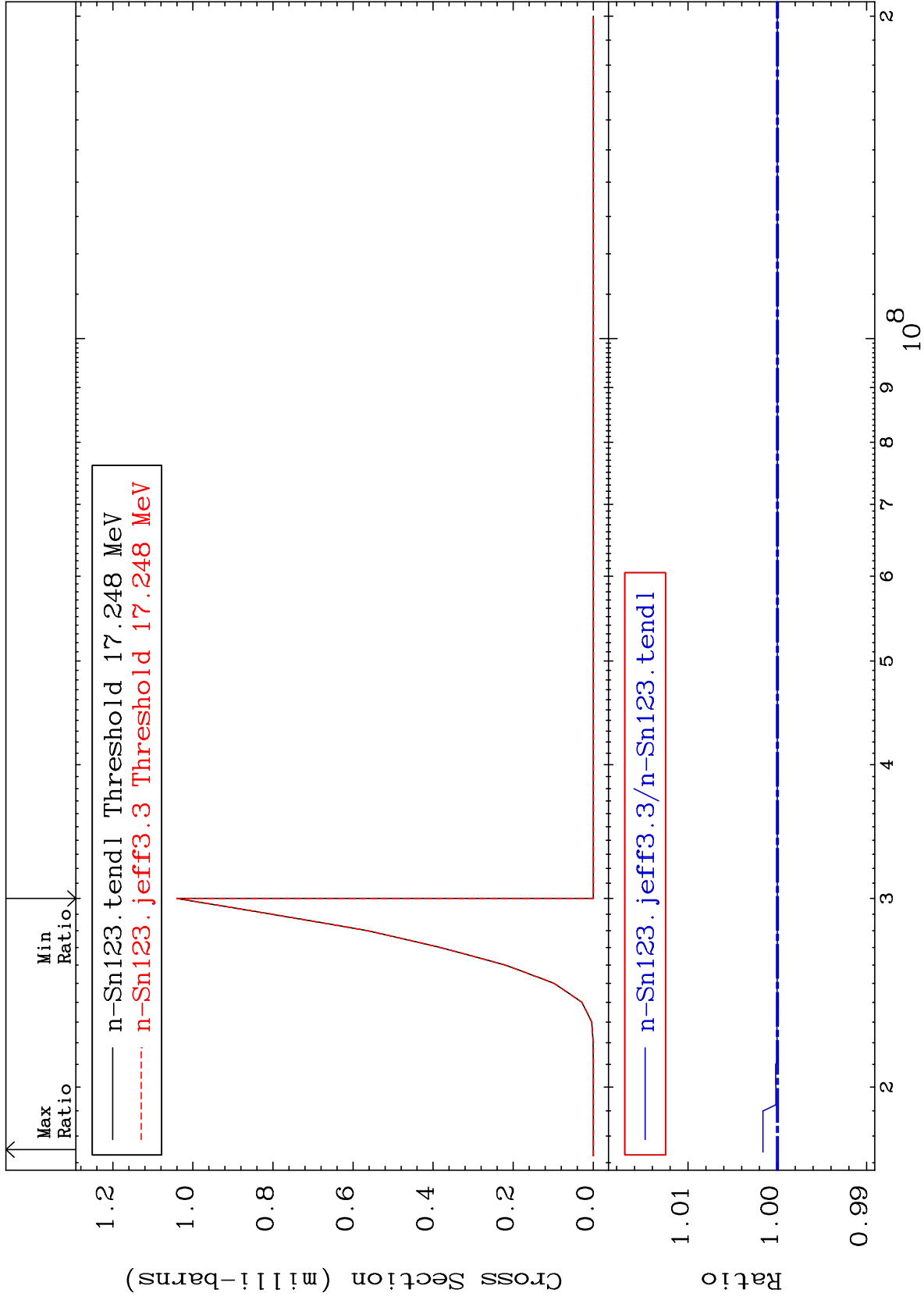


MAT 5058

(n, n') t:49-In-120m1

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.162 %



60

Incident Energy (eV)

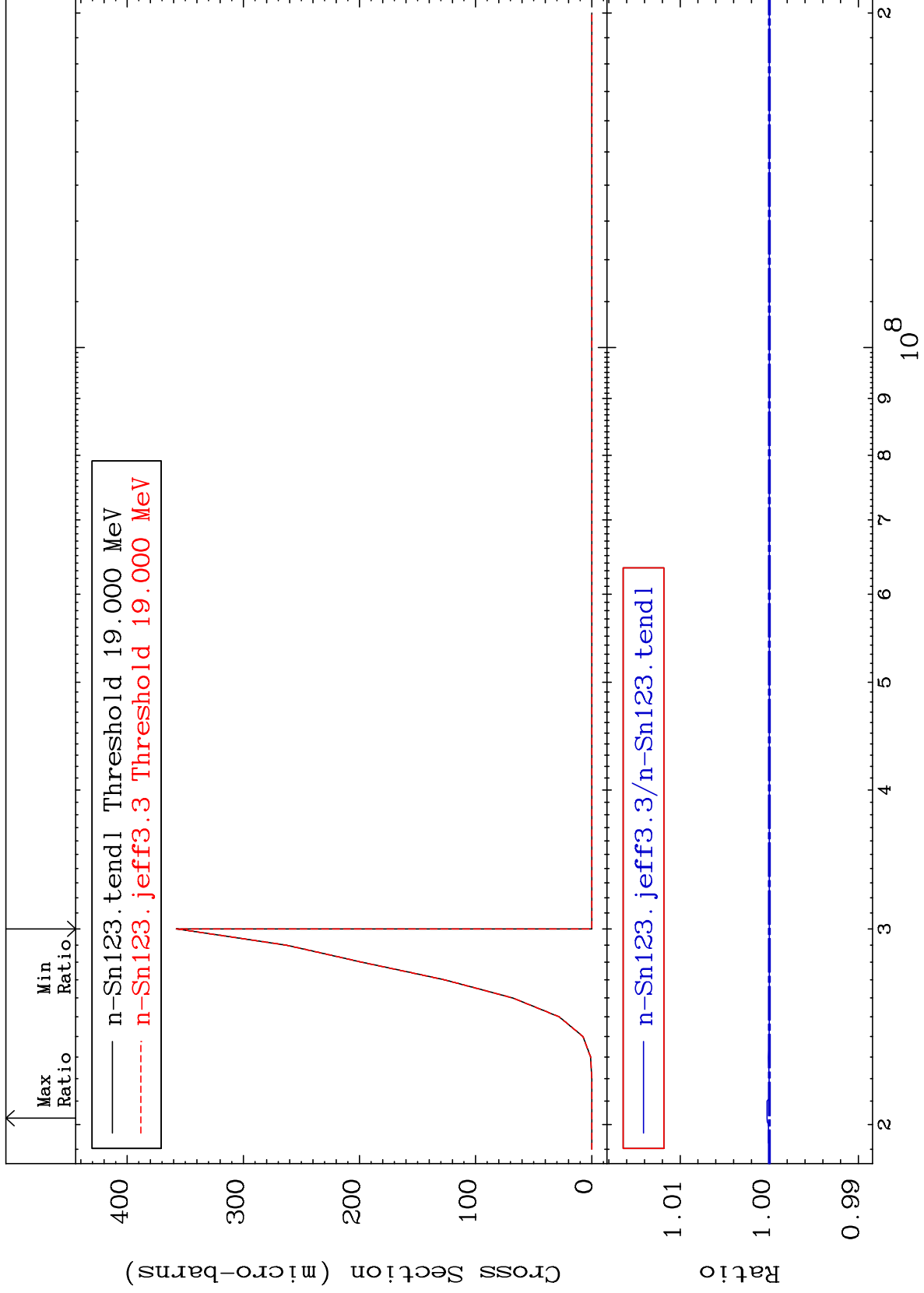
50-Sn-123

MAT 5058

(n, n') t:49-In-120m2

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.025 %

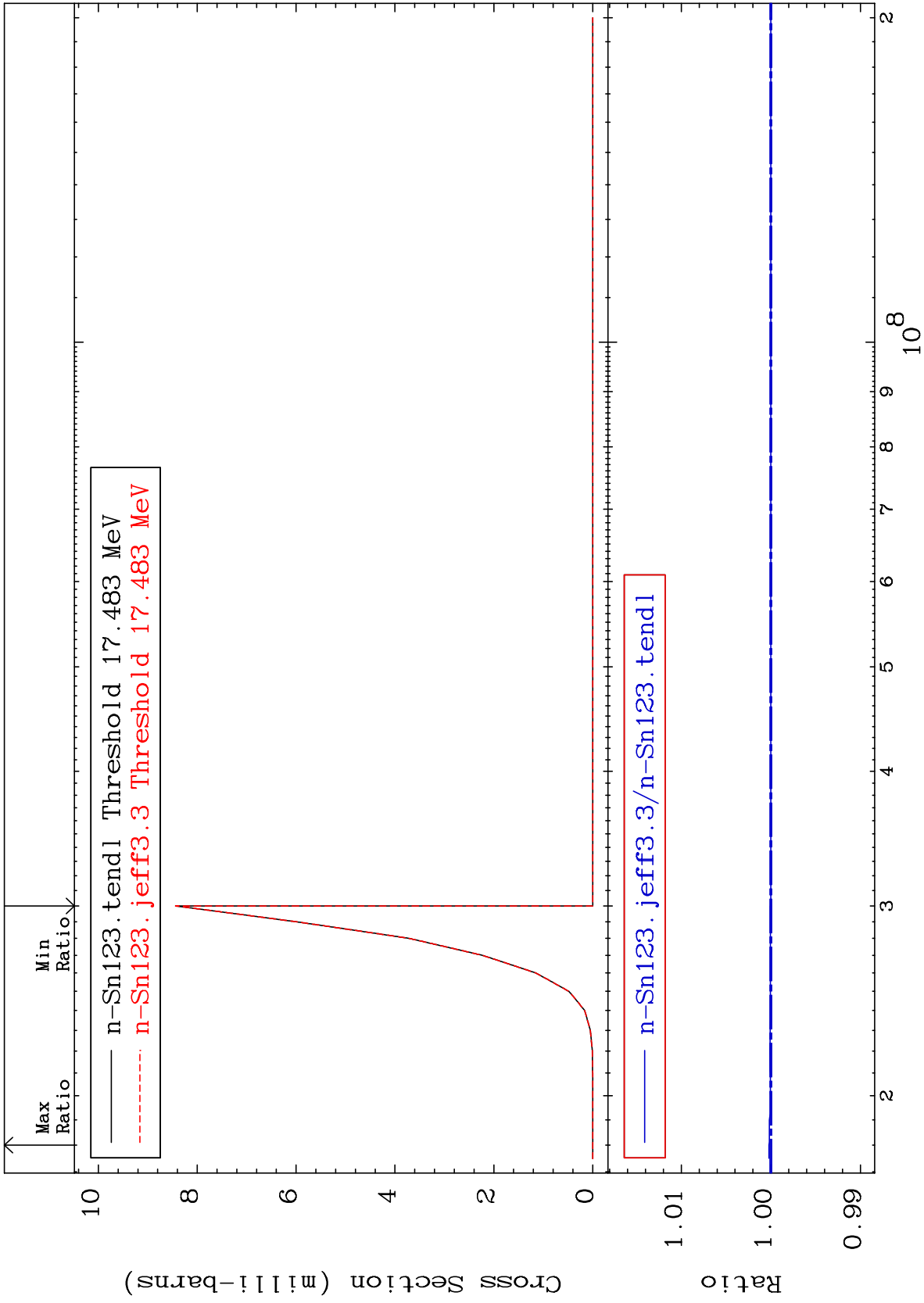


MAT 5058

(n,2n) p:49-In-121g

50-Sn-123

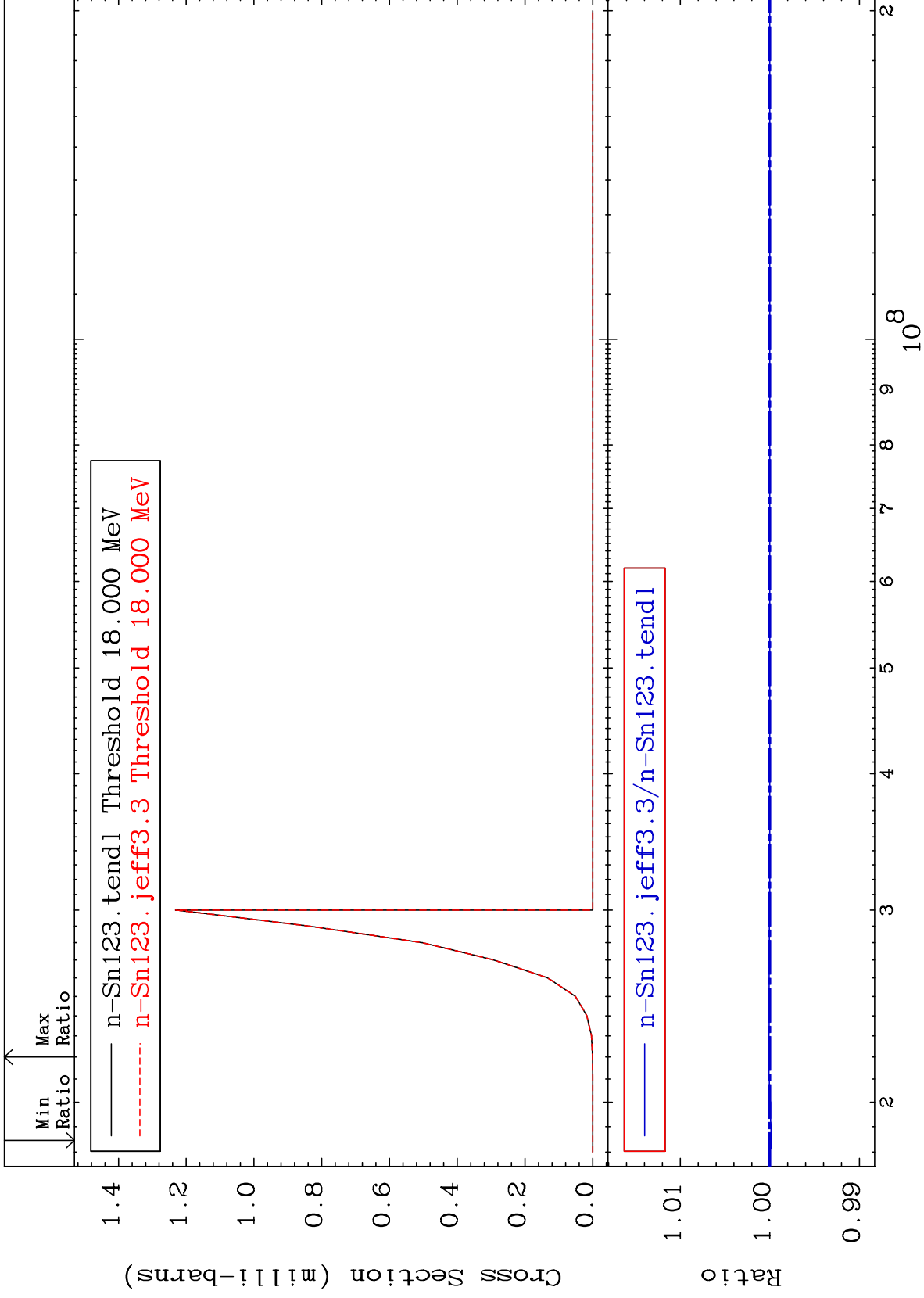
Radionuclide Production Cross Section 0.000 To 0.021 %



62

Incident Energy (eV)

50-Sn-123

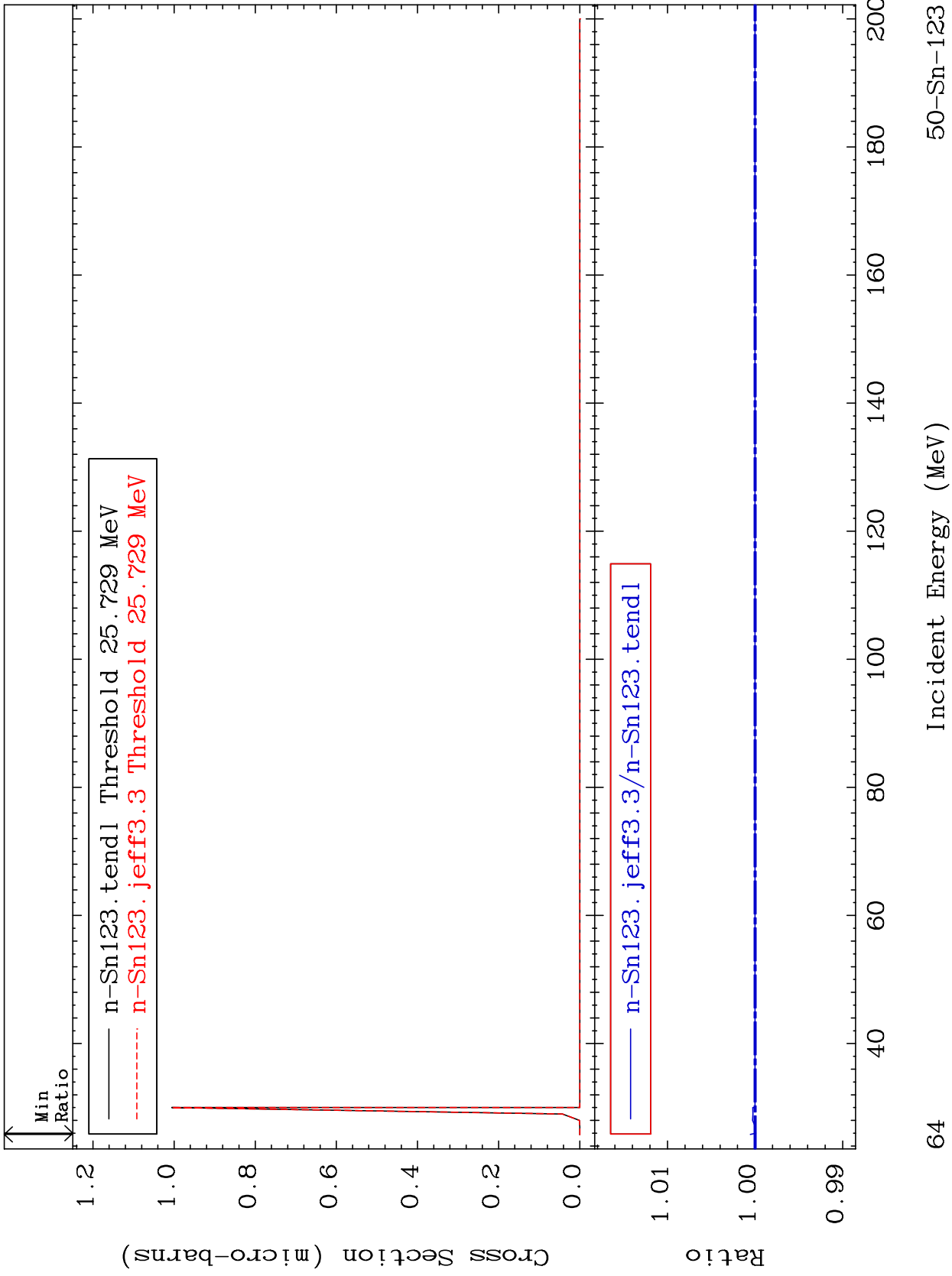


MAT 5058

(n,3n) p:49-In-120g

50-Sn-123

Radionuclide Production Cross Section -0.009 To 0.054 %



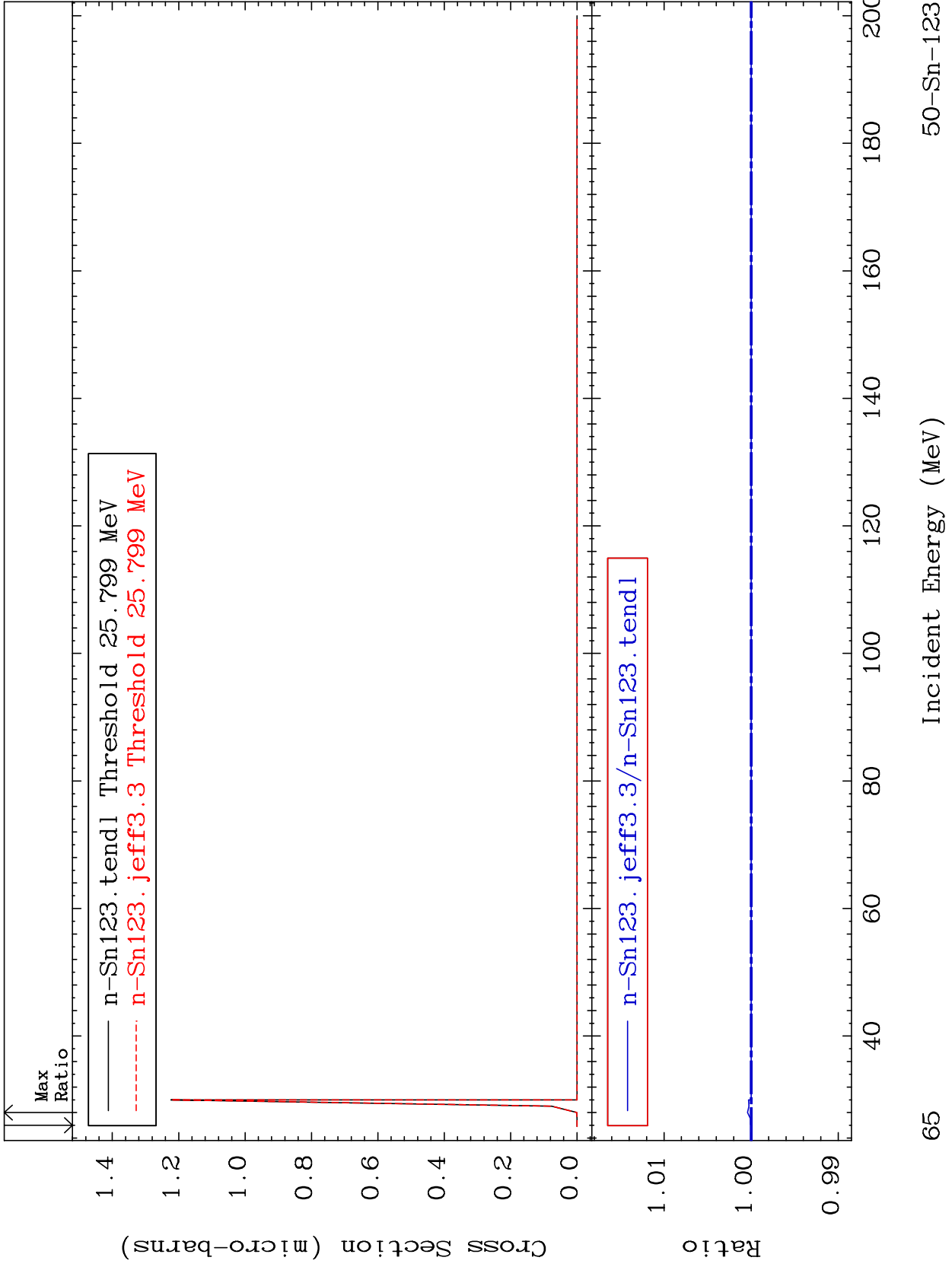
MAT 5058

(n,3n) p:49-In-120m1

50-Sn-123

Radionuclide Production Cross Section

-0.004 To 0.042 %



65

Incident Energy (MeV)

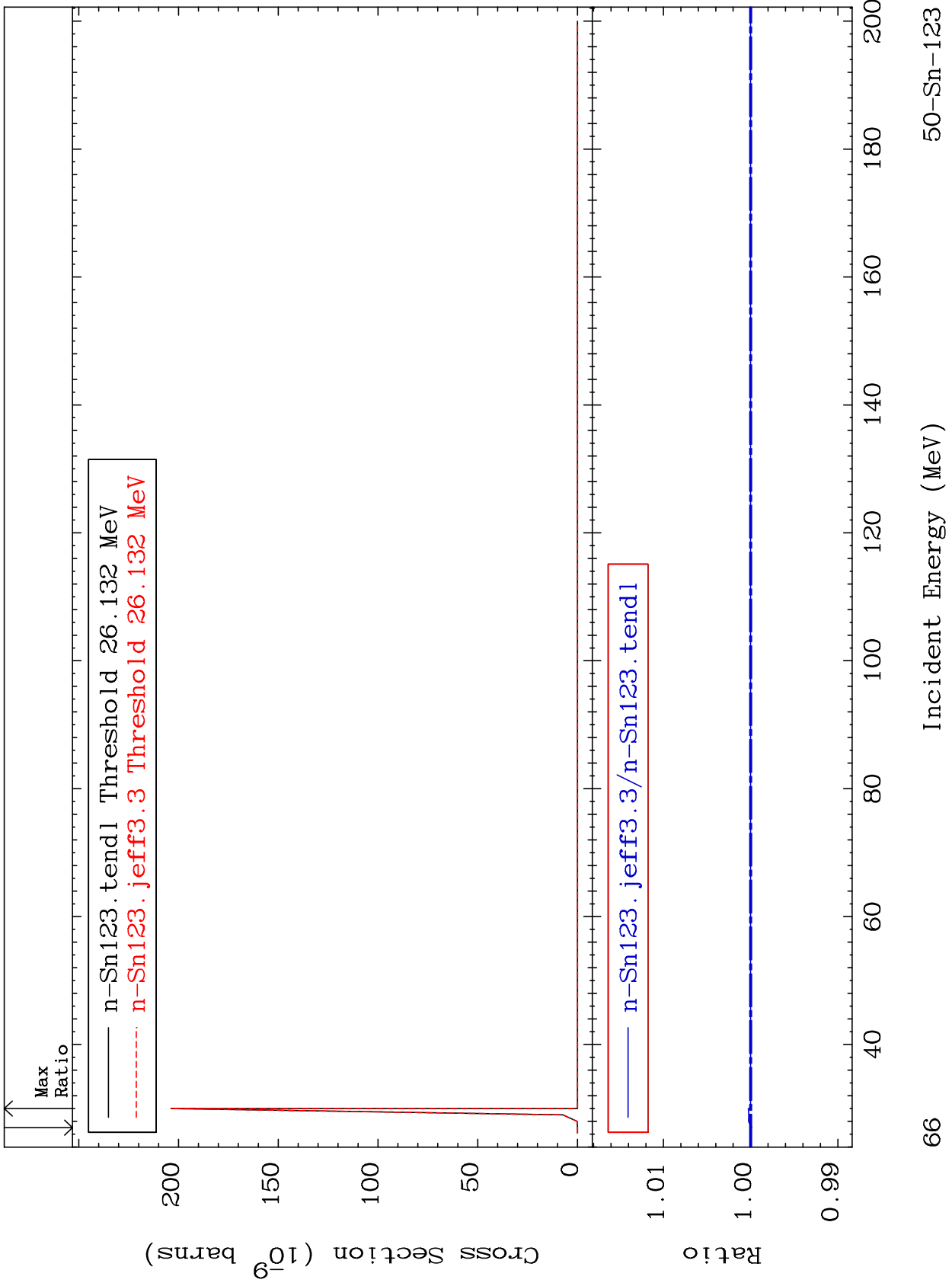
50-Sn-123

MAT 5058

(n,3n) p:49-In-120m2

50-Sn-123

Radionuclide Production Cross Section -0.014 To 0.026 %



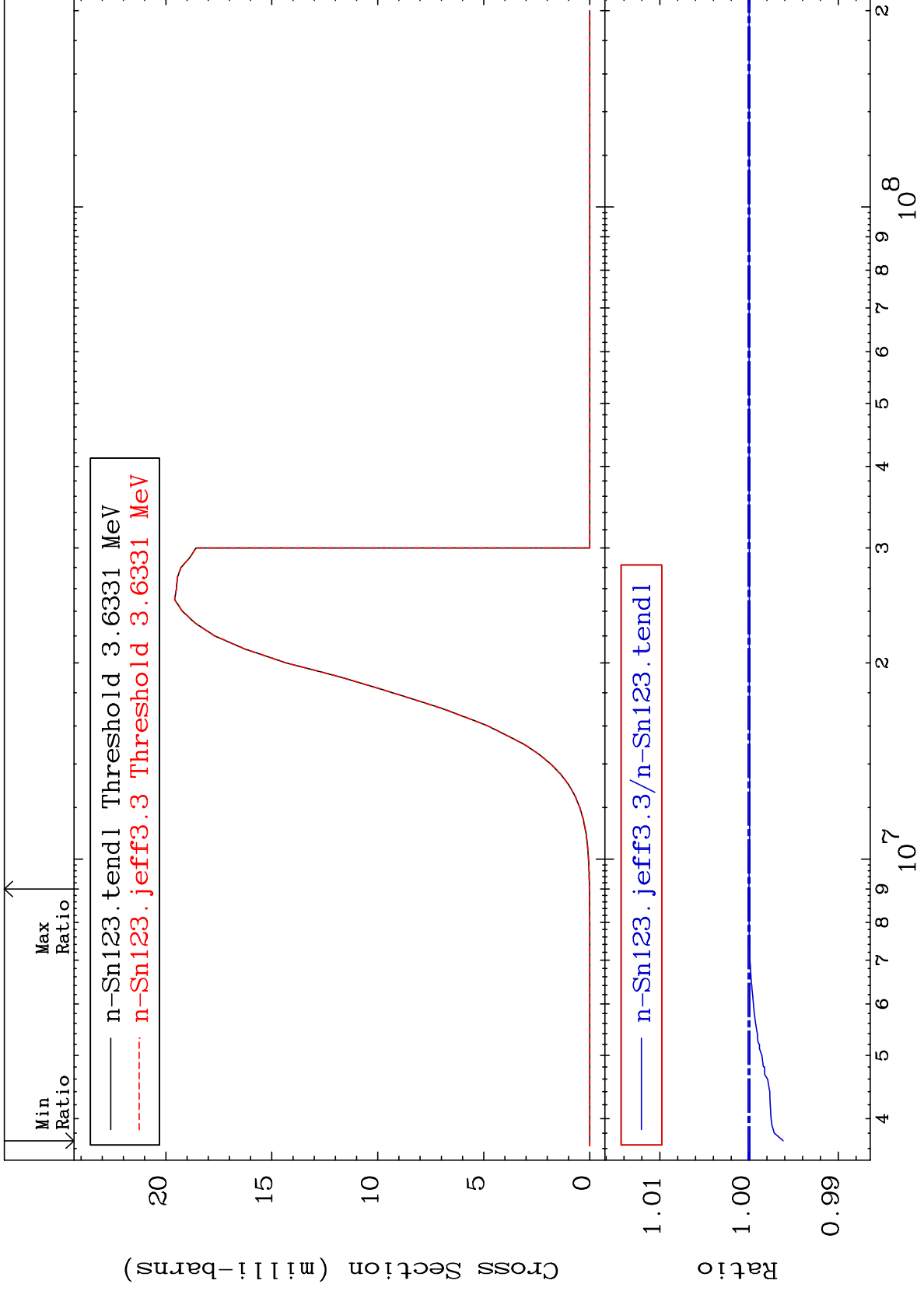
MAT 5058

(n, p) : 49-In-123g

50-Sn-123

Radionuclide Production Cross Section

-0.382 To 0.002 %



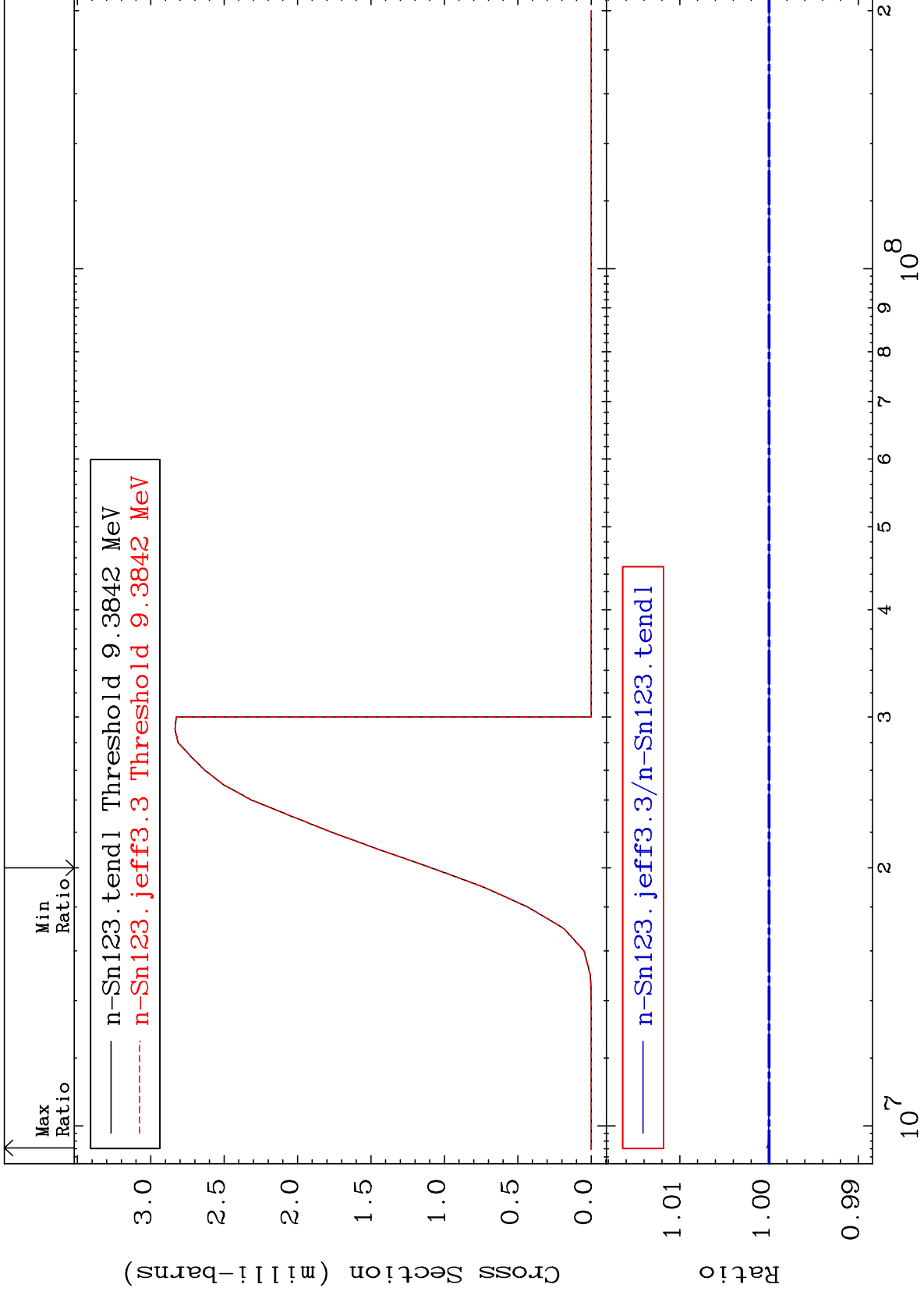
67

MAT 5058

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

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.025 %



68

Incident Energy (eV)

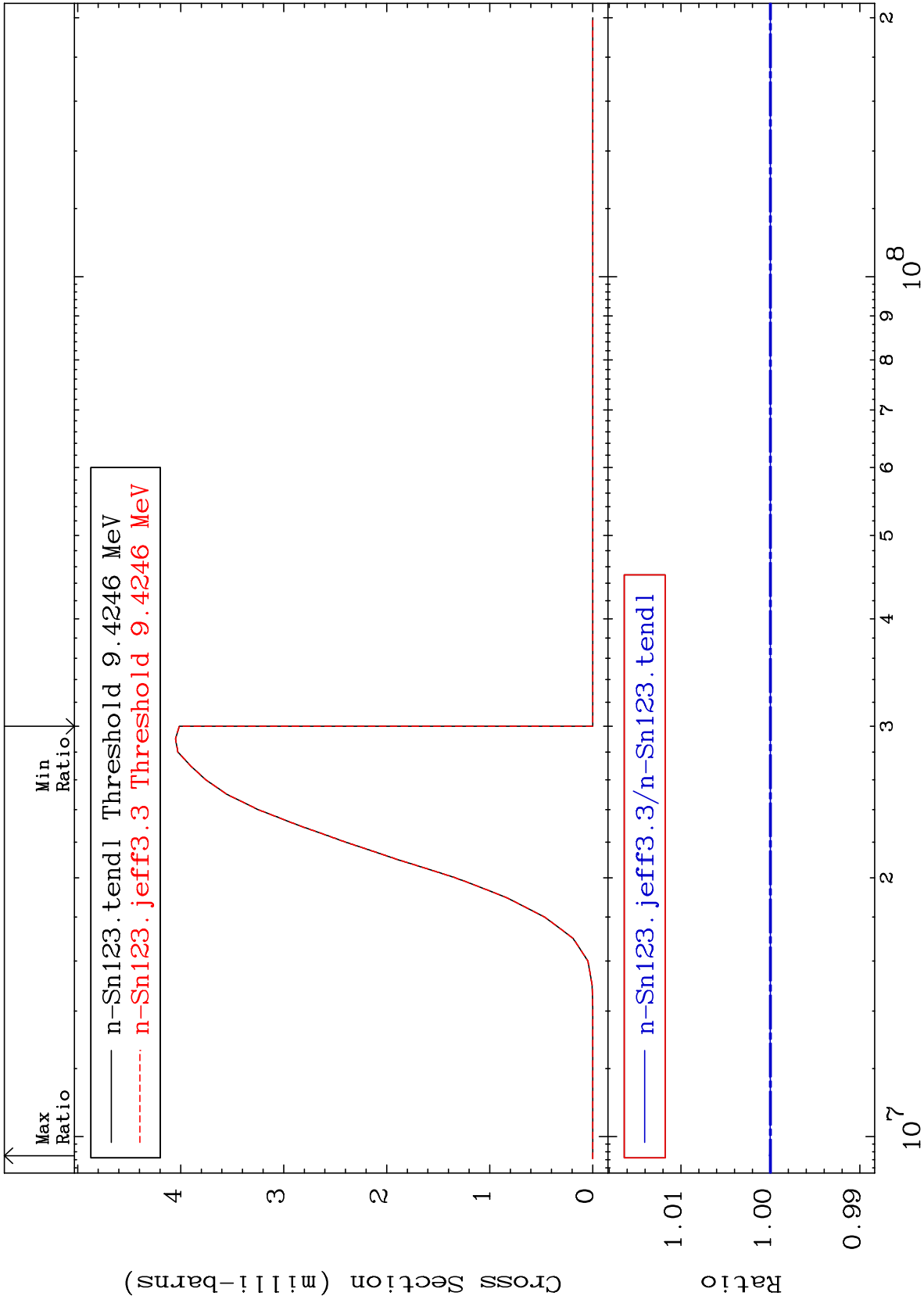
50-Sn-123

MAT 5058

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

50-Sn-123

Radionuclide Production Cross Section 0.000 To 0.011 %



69

Incident Energy (eV)

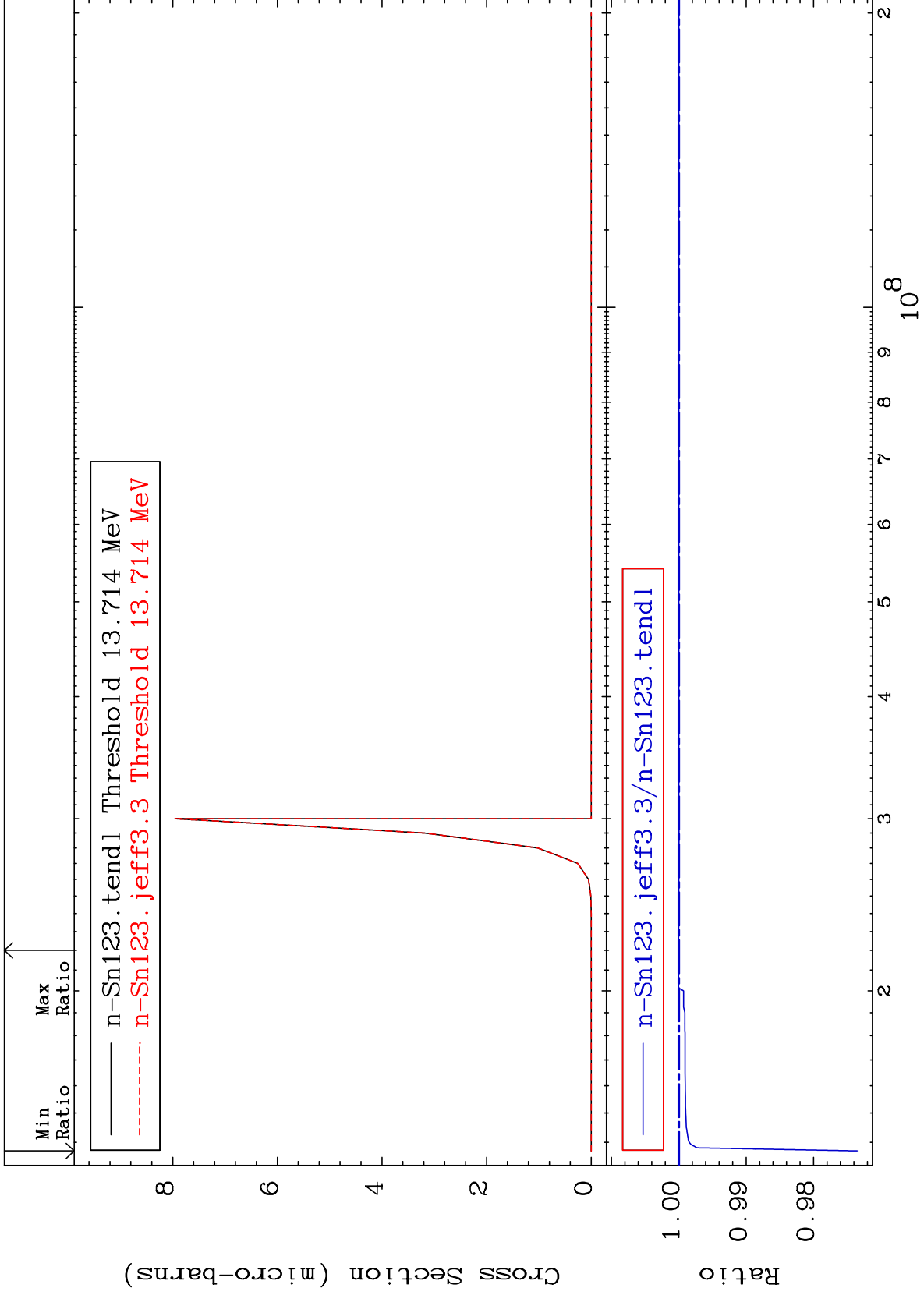
50-Sn-123

MAT 5058

(n,He-3): 48-Cd-121g

50-Sn-123

Radionuclide Production Cross Section -2.649 To 0.002 %



70

Incident Energy (eV)

50-Sn-123

MAT 5058

(n,He-3) : 48-Cd-121m2

50-Sn-123

Radionuclide Production Cross Section

-0.552 To 0.000 %

