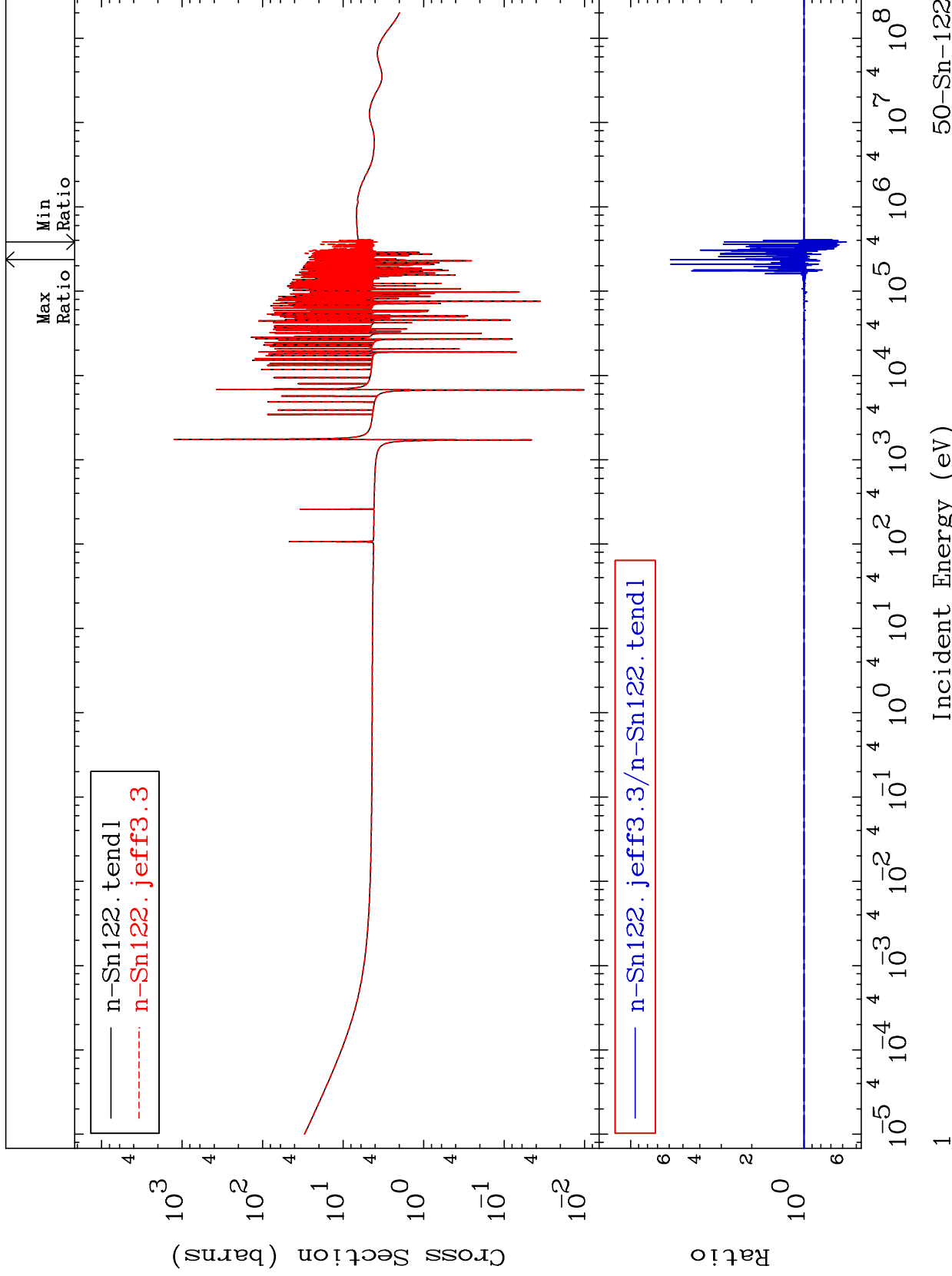


MAT 5055

Total  
Cross Section

50-Sn-122  
-42.94 To 491.4 %



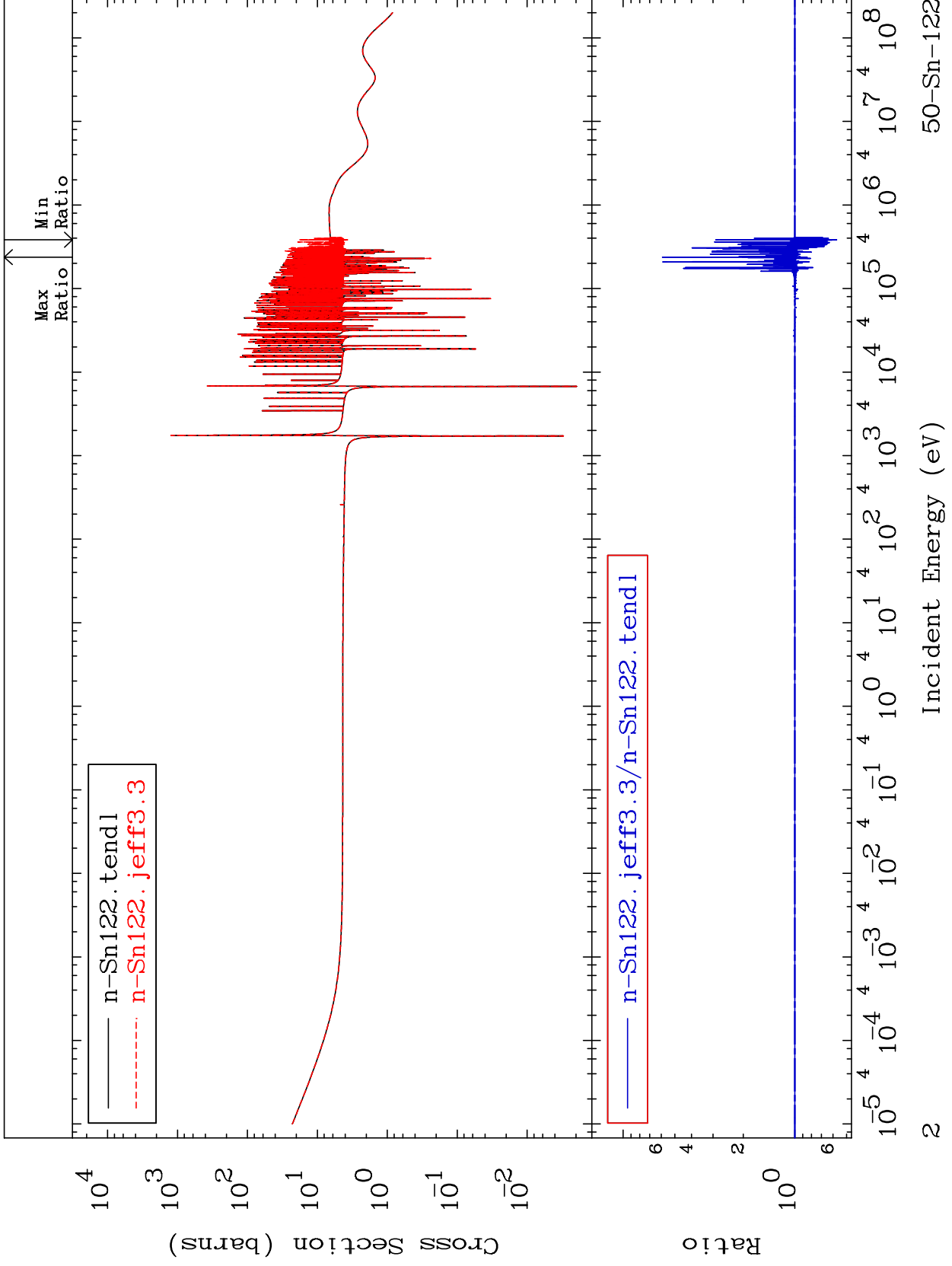
Incident Energy (eV)

50-Sn-122

MAT 5055

Elastic  
Cross Section

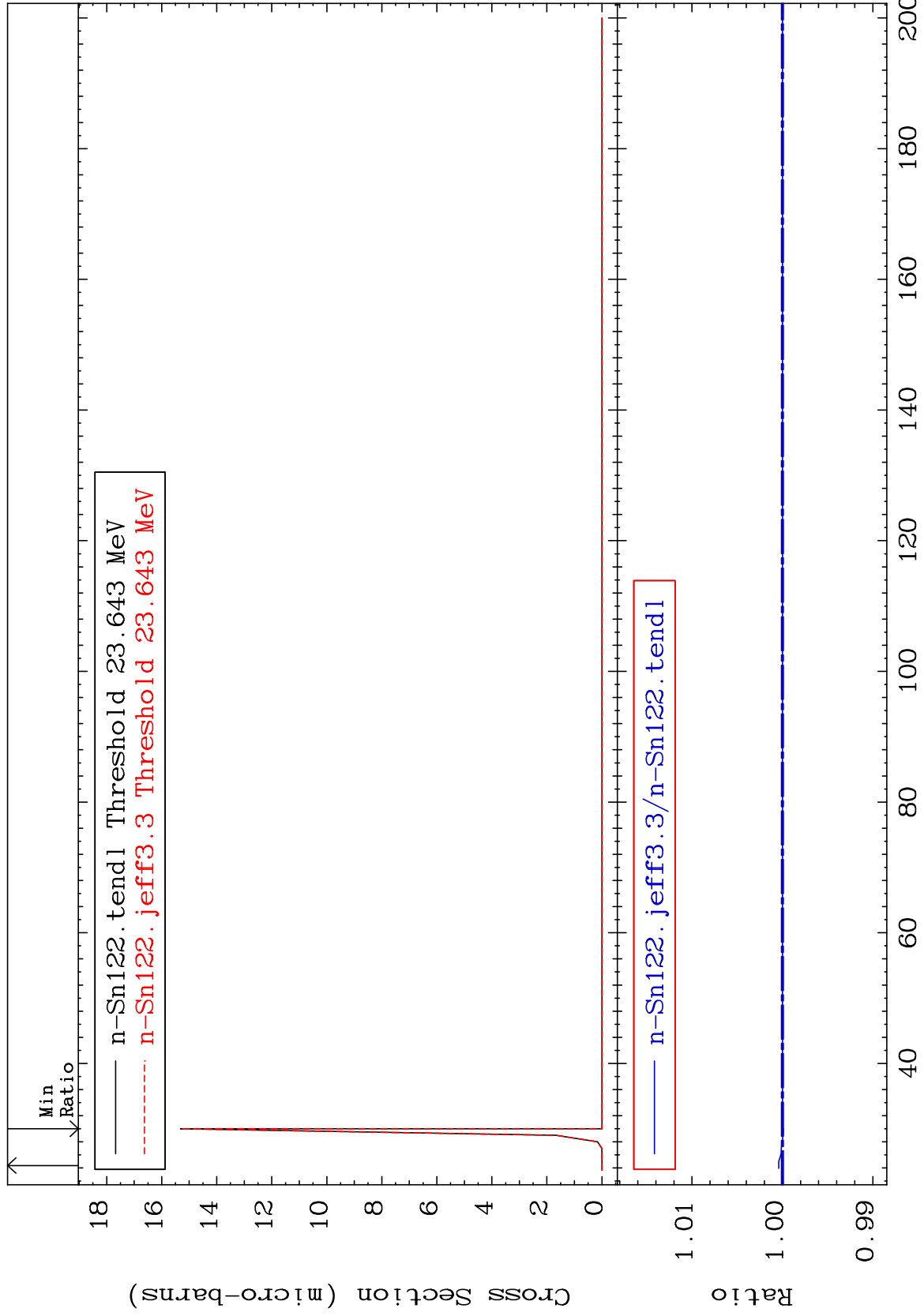
50-Sn-122  
-42.86 To 491.2 %



MAT 5055

(n,2n) d  
Cross Section

50-Sn-122  
-0.009 To 0.042 %



Incident Energy (MeV)

50-Sn-122

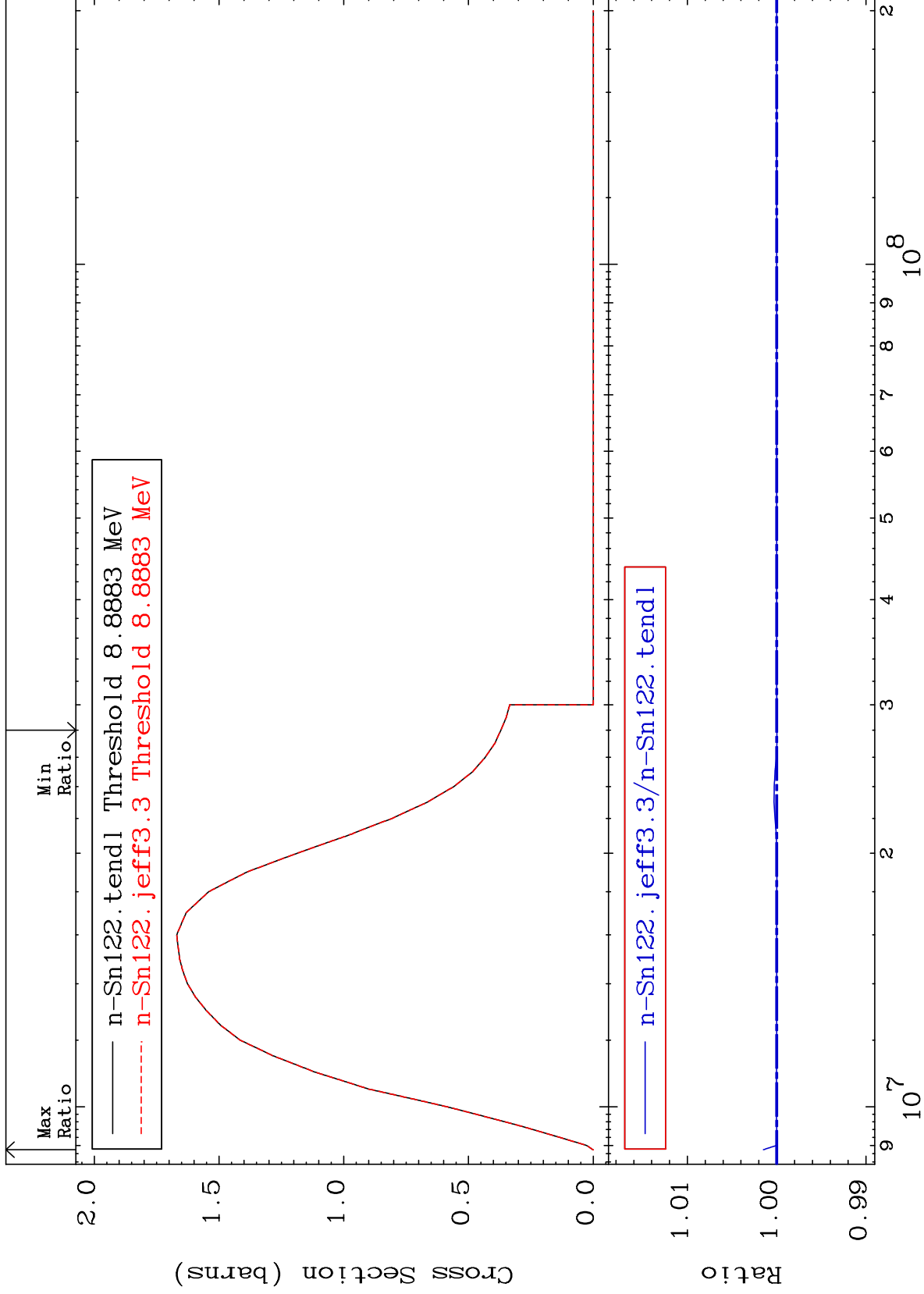
MAT 5055

(n,2n)

50-Sn-122

Cross Section

-0.003 To 0.150 %



Incident Energy (eV)

50-Sn-122

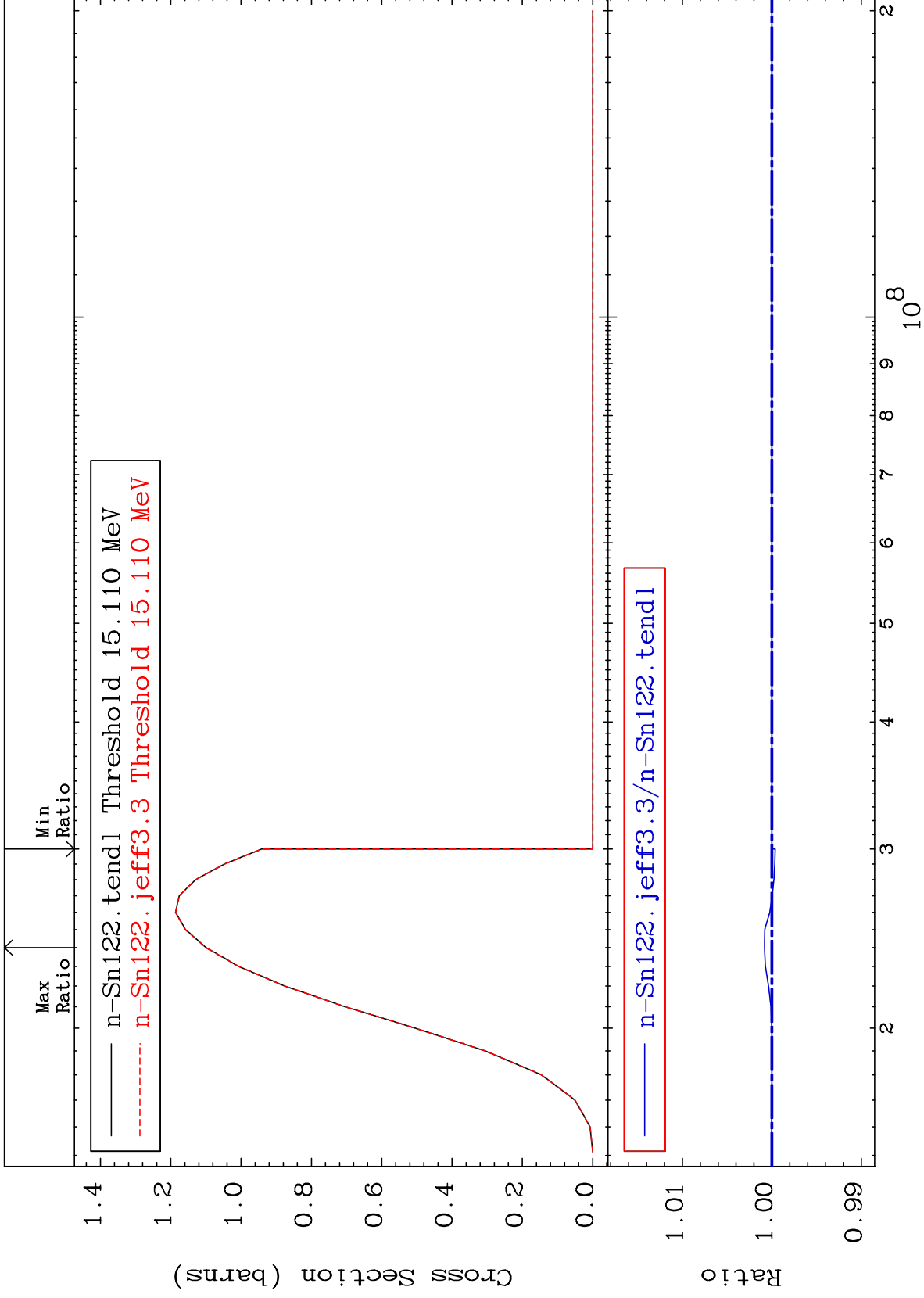
MAT 5055

(n,3n)

50-Sn-122

Cross Section

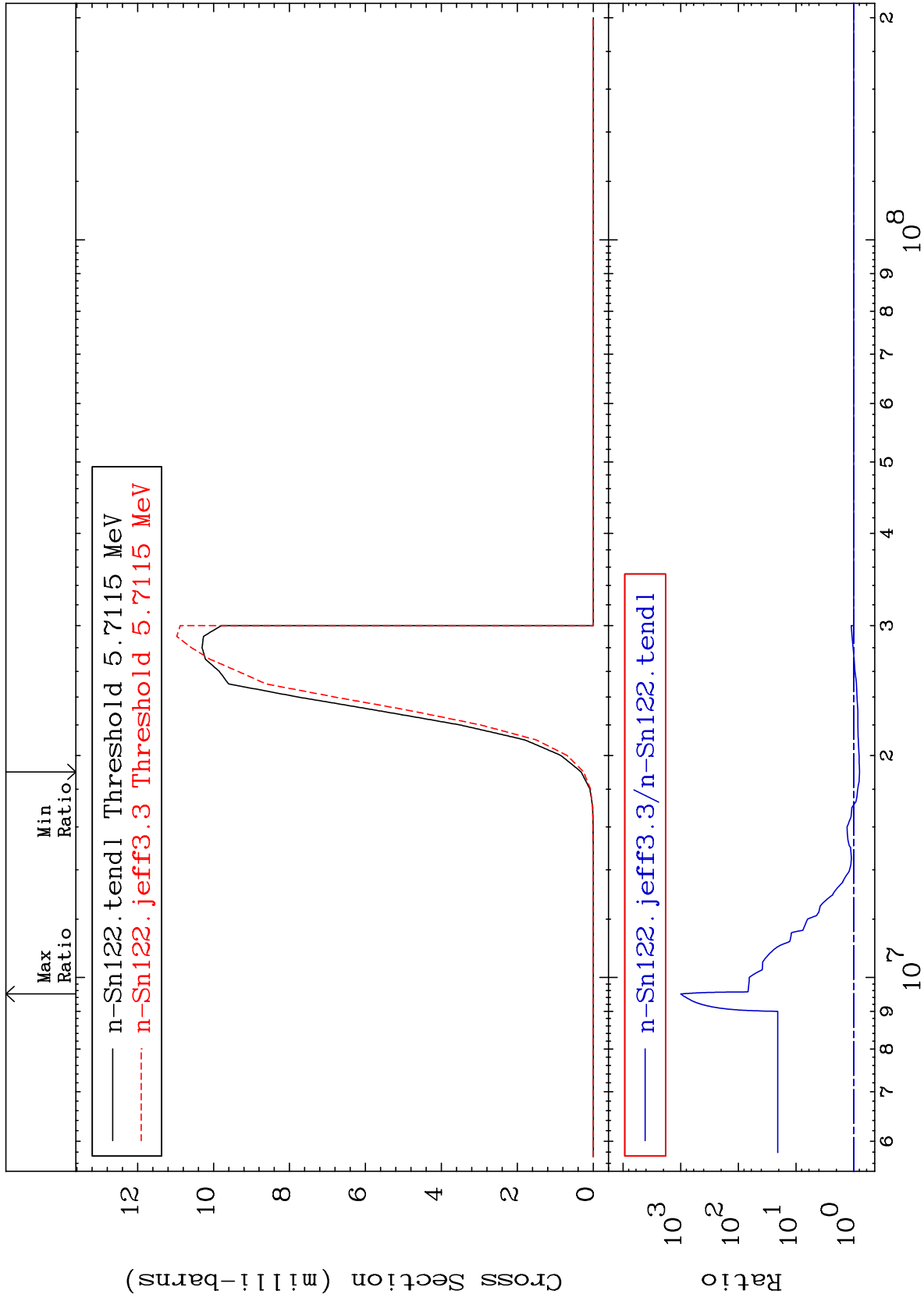
-0.038 To 0.082 %



MAT 5055

(n, n')  $\alpha$   
Cross Section

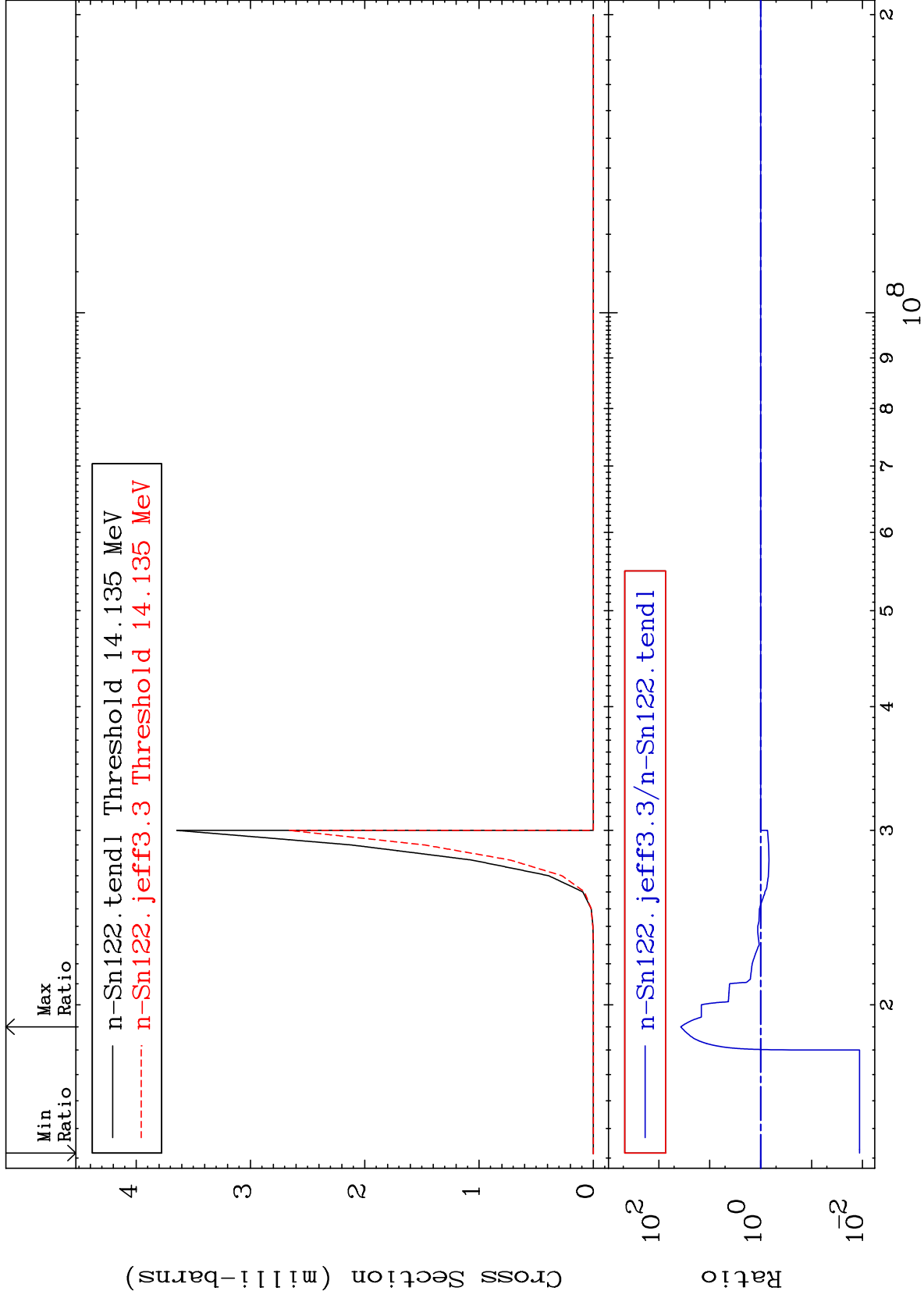
50-Sn-122  
-20.61 To 9999. %



MAT 5055

(n,2n)  $\alpha$   
Cross Section

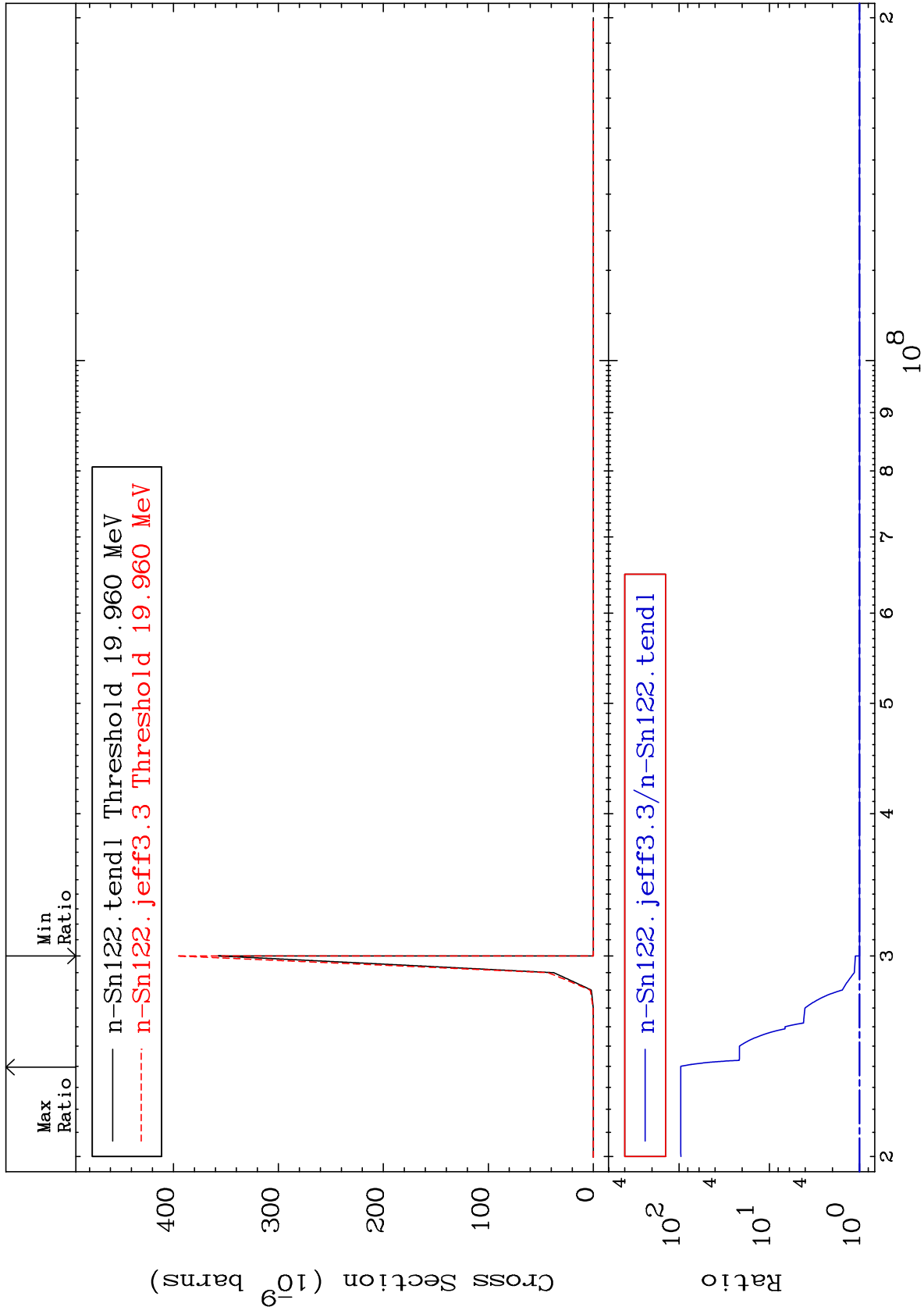
50-Sn-122  
-98.86 To 3604. %



MAT 5055

(n,3n)  $\alpha$   
Cross Section

50-Sn-122  
To 9481. %

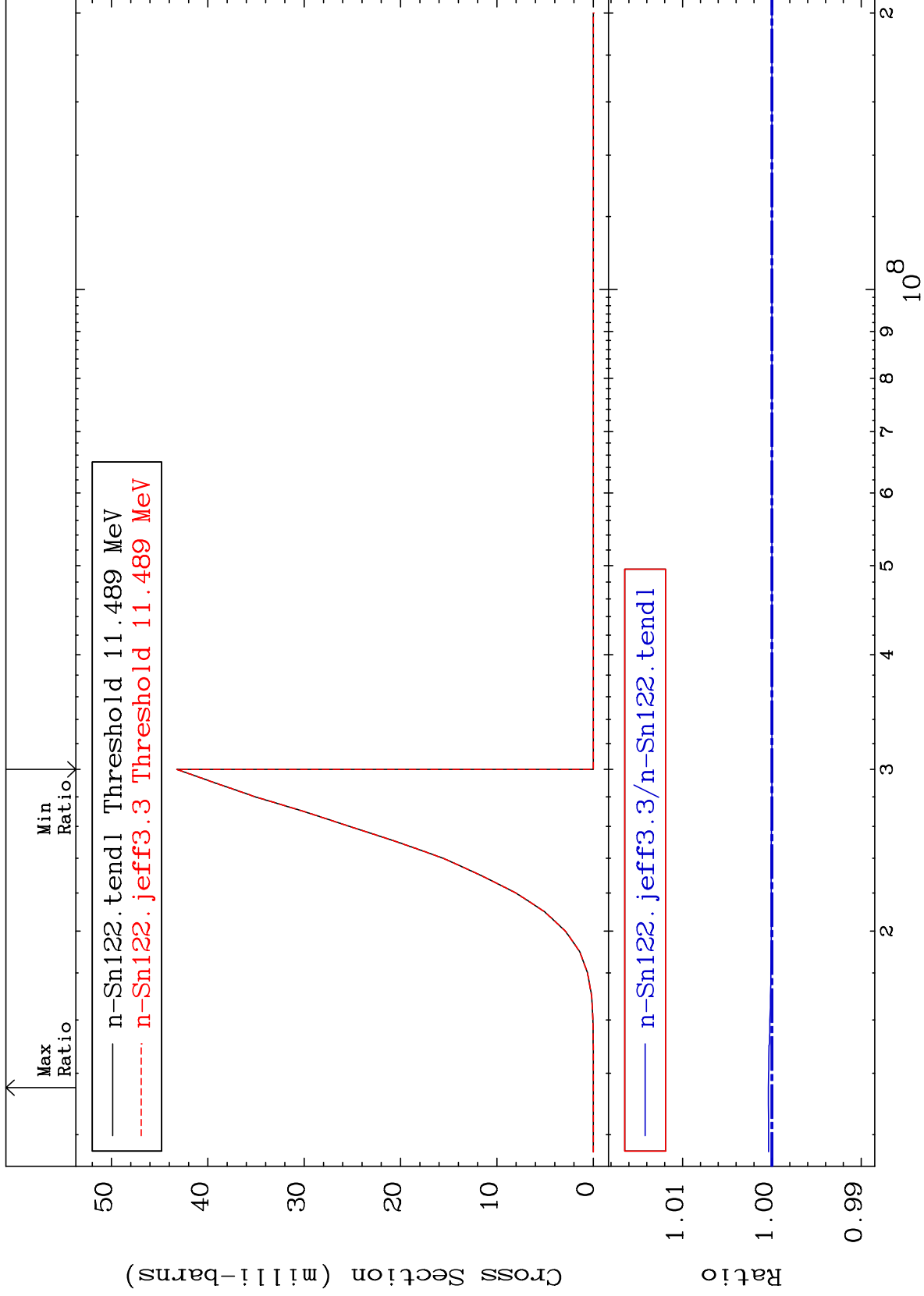




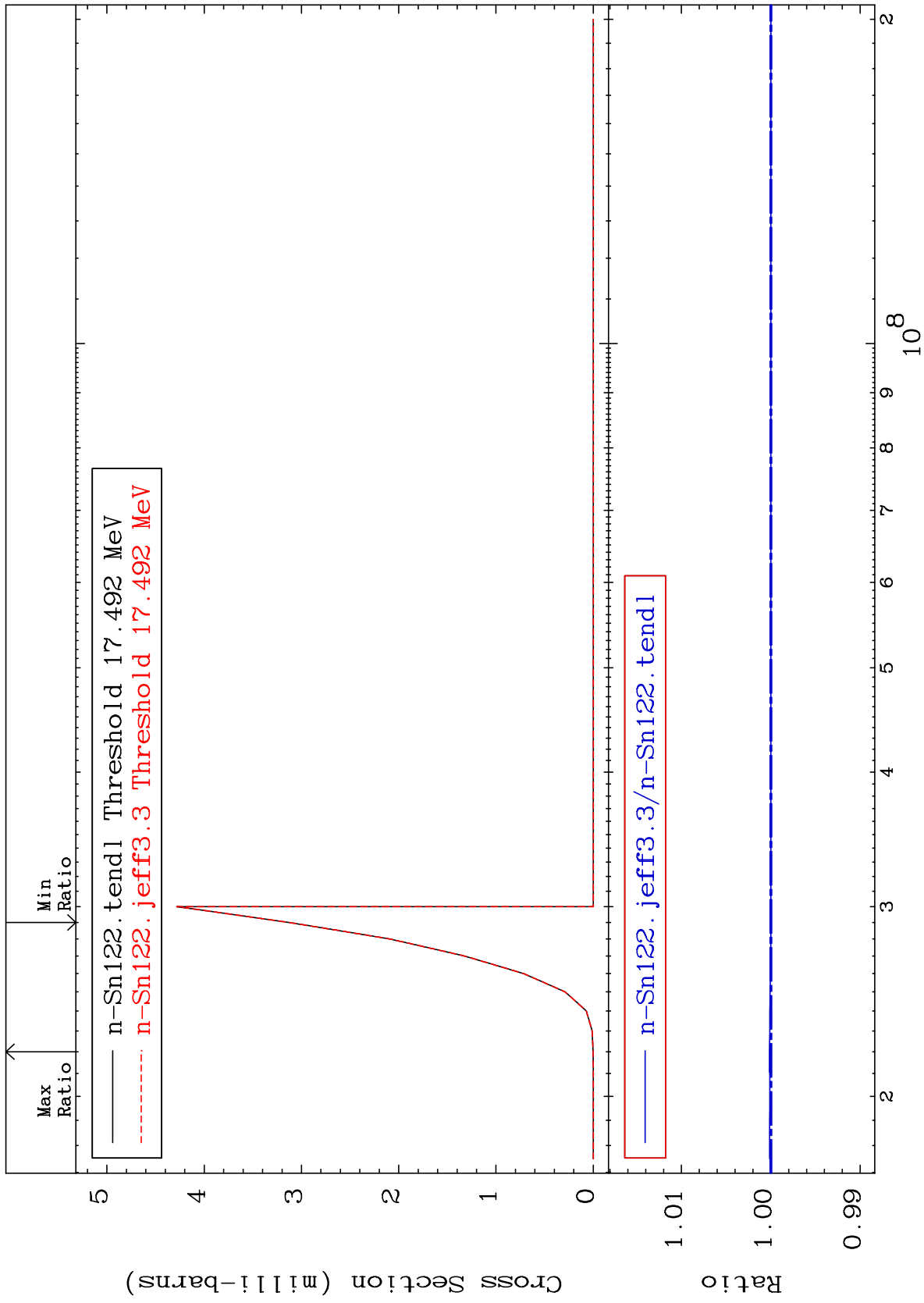
MAT 5055

(n,n') p  
Cross Section

50-Sn-122  
-0.001 To 0.040 %



MAT 5055 (n,n') d Cross Section 50-Sn-122 To 0.016 %



10 Incident Energy (eV) 50-Sn-122

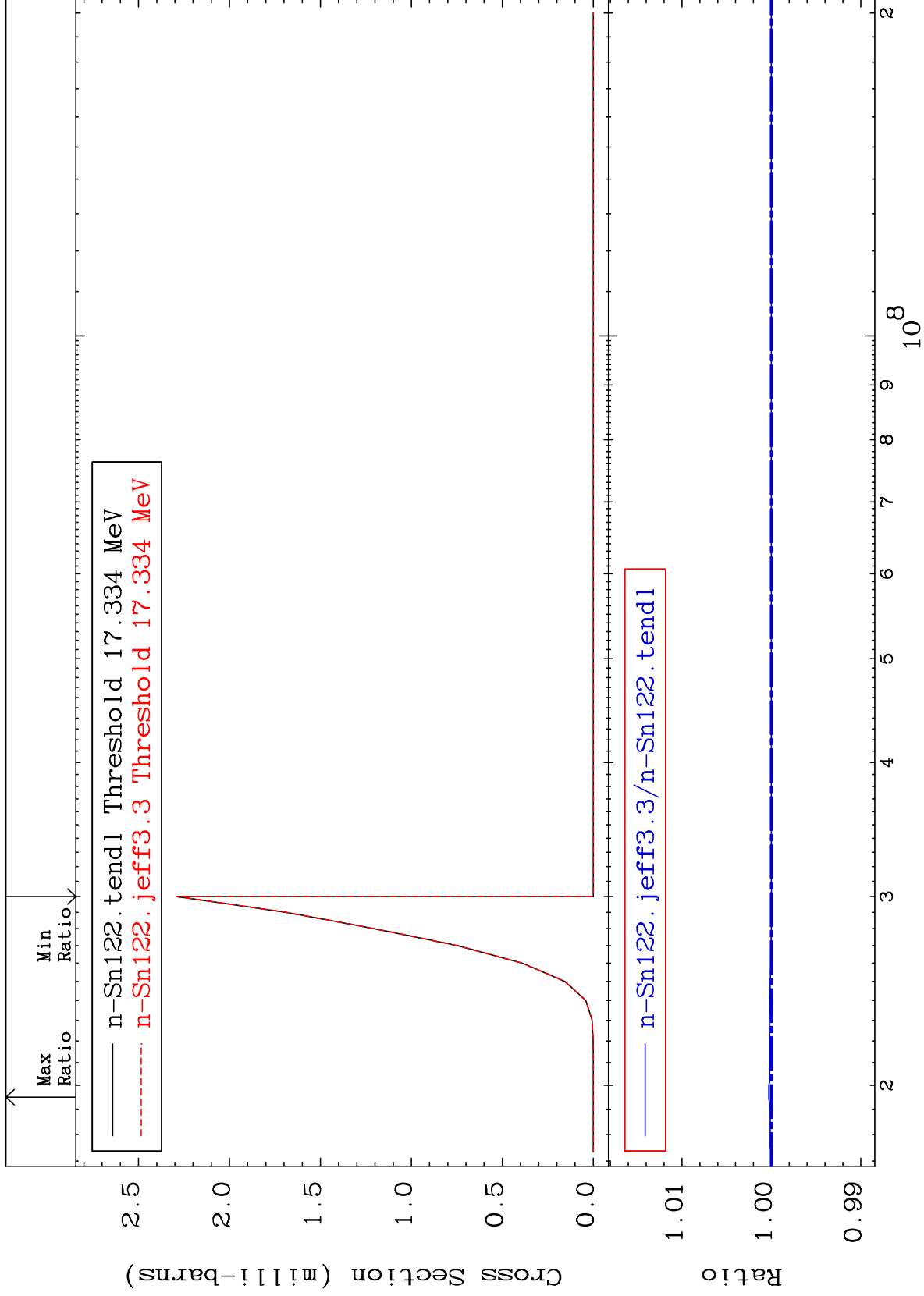
MAT 5055

(n,n') t

50-Sn-122

Cross Section

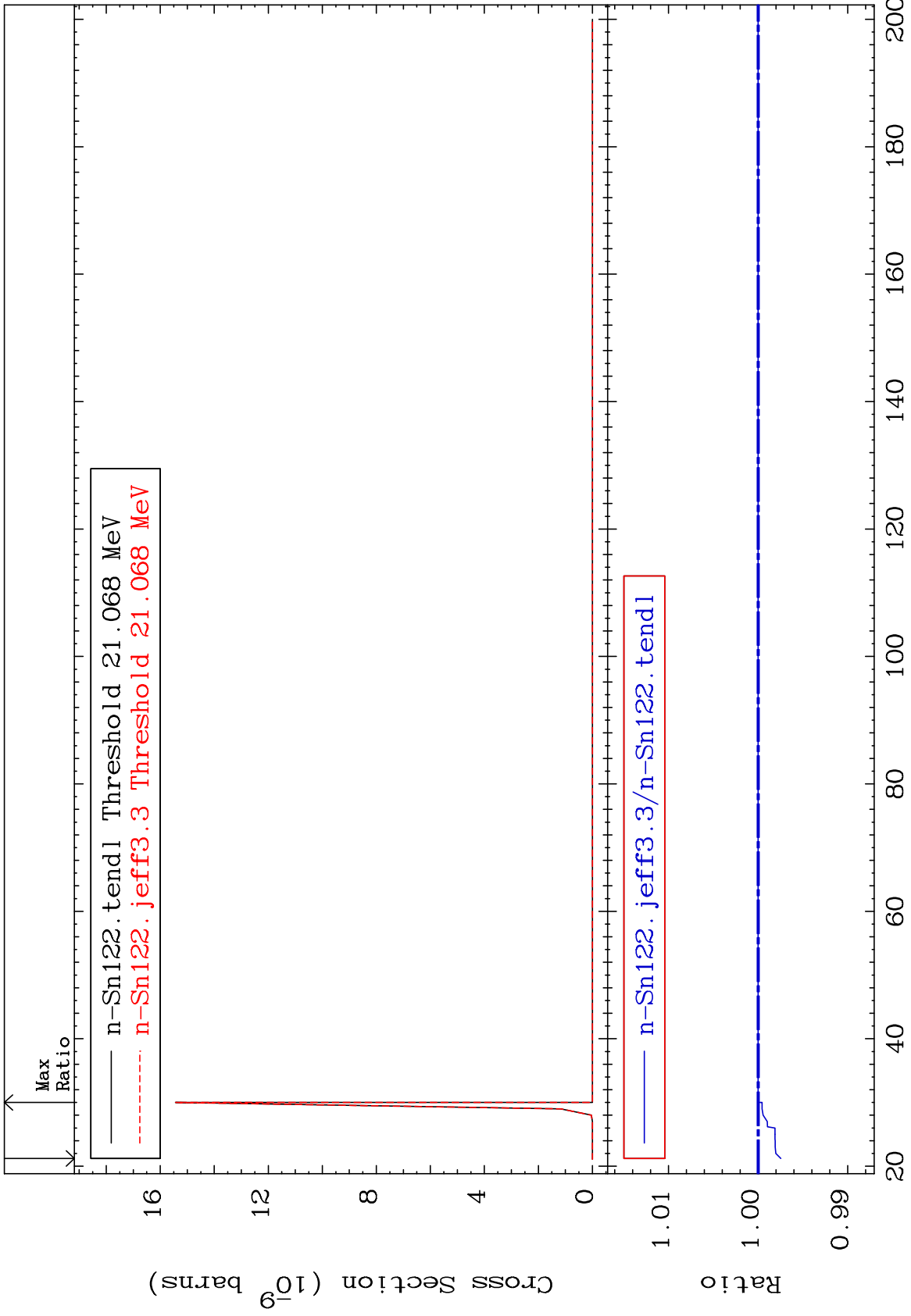
-0.002 To 0.028 %



MAT 5055

(n, n') He-3  
Cross Section

50-Sn-122  
-0.253 To 0.000 %



12

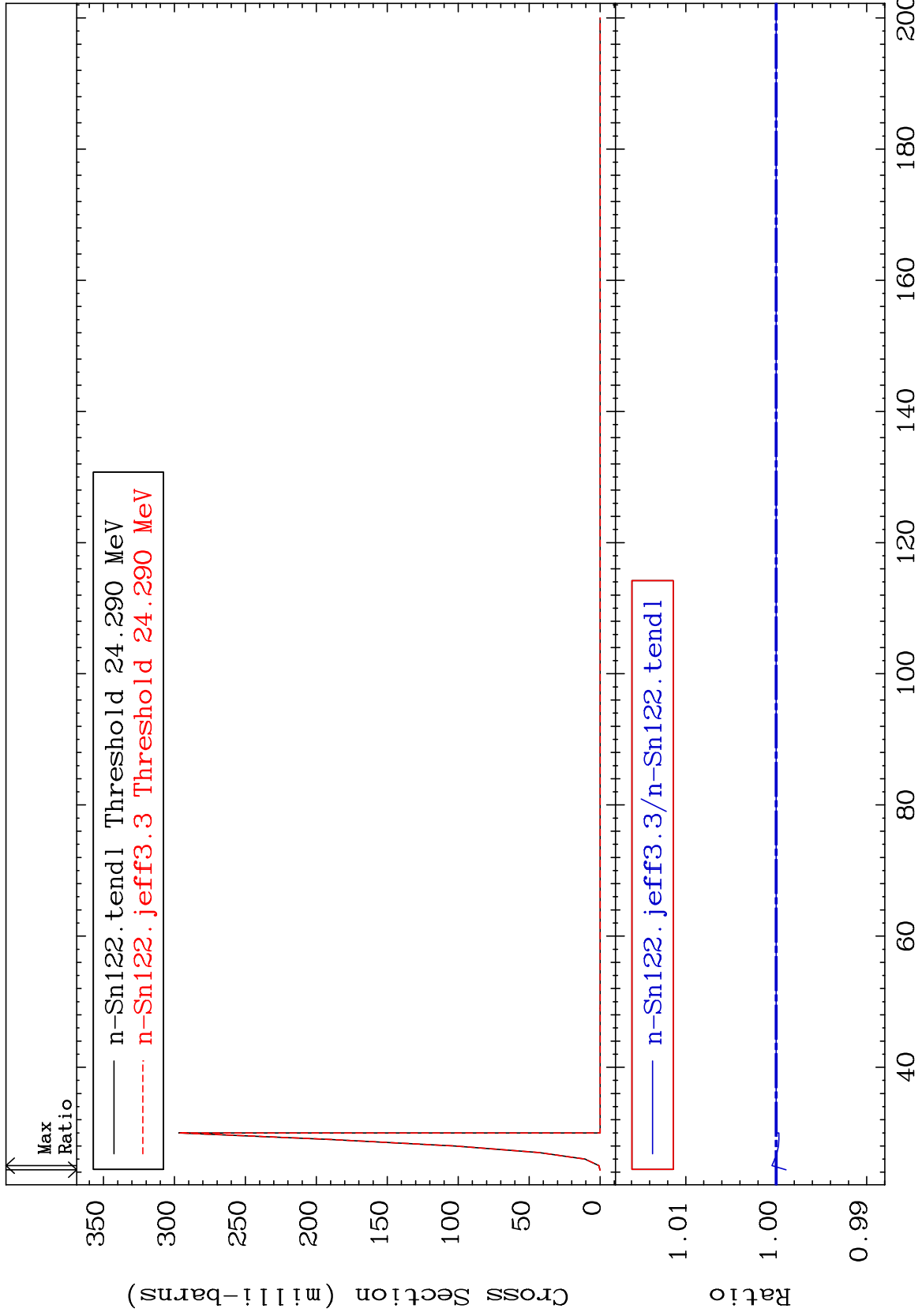
Incident Energy (MeV)

50-Sn-122

MAT 5055

(n,4n)  
Cross Section

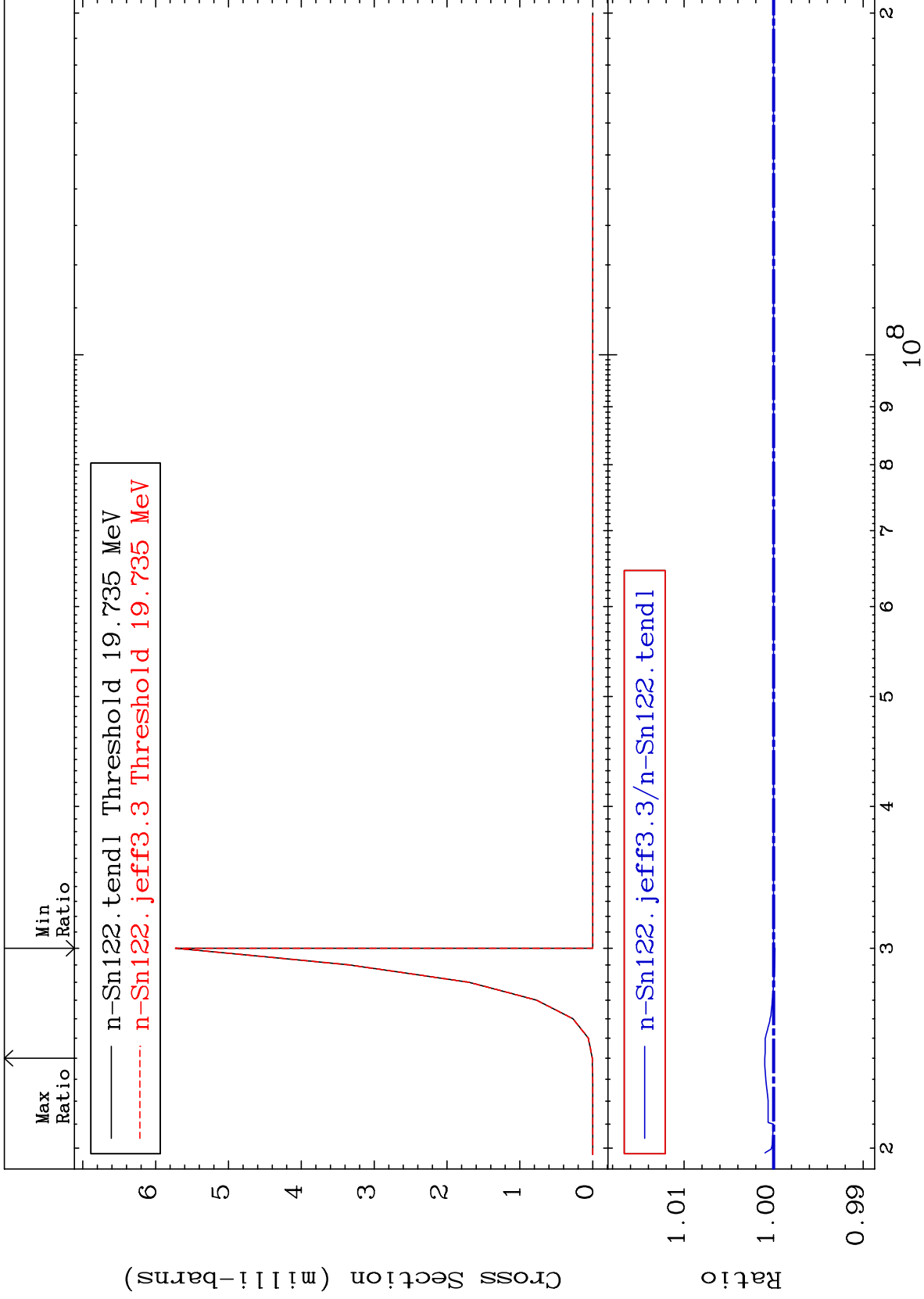
50-Sn-122  
-0.109 To 0.046 %



MAT 5055

(n,2n) p  
Cross Section

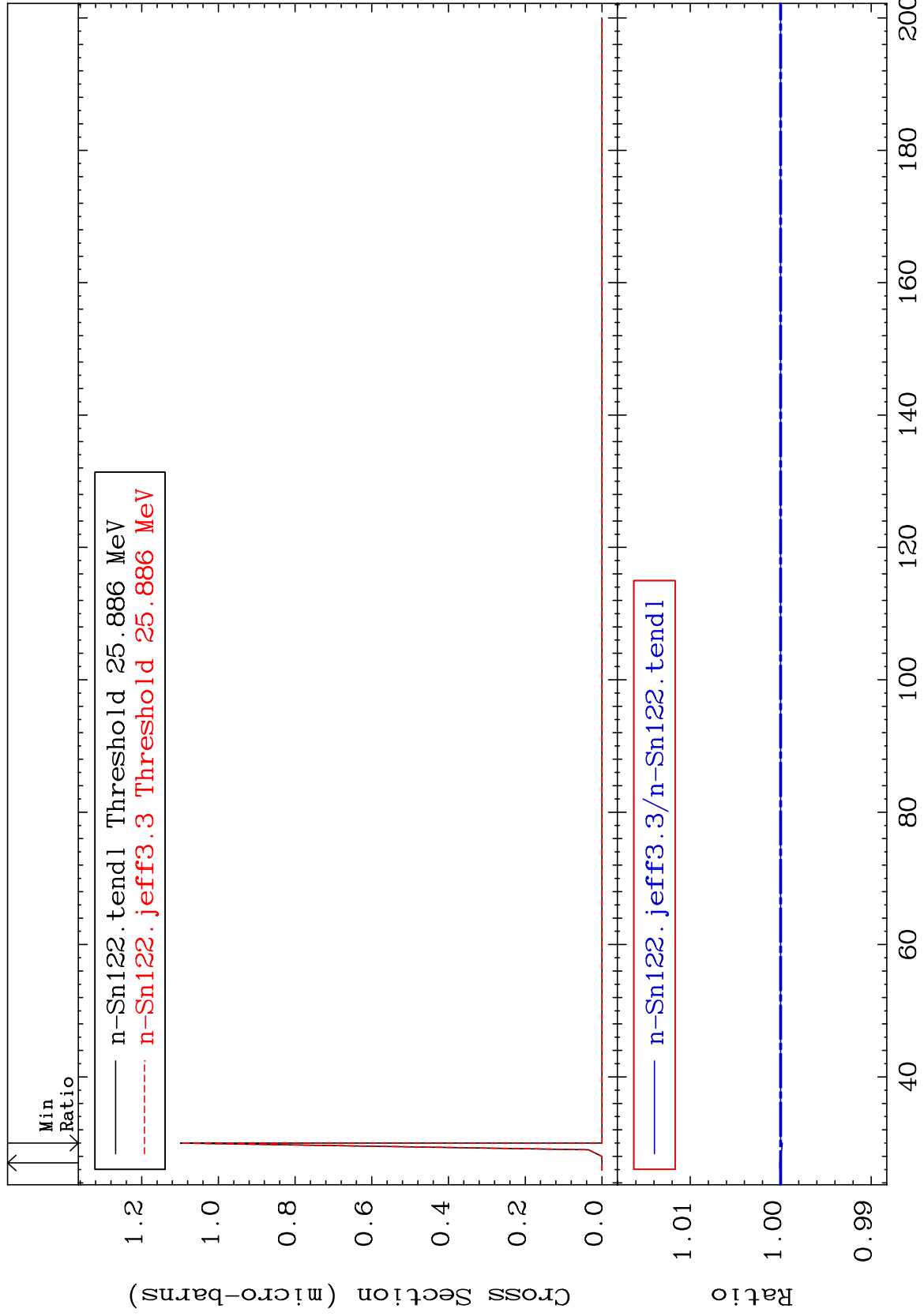
50-Sn-122  
-0.015 To 0.098 %



MAT 5055

(n,3n) p  
Cross Section

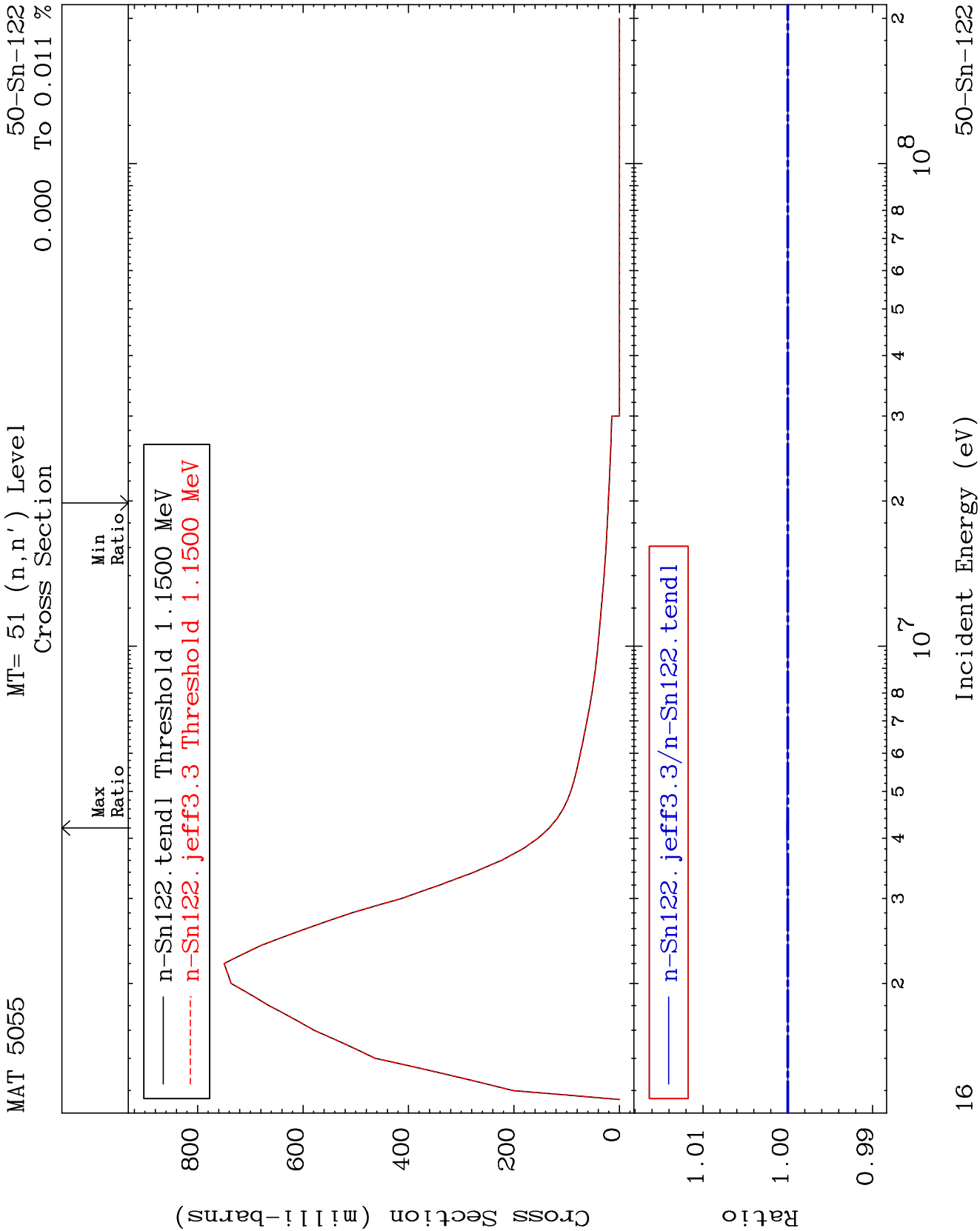
50-Sn-122  
-0.017 To 0.011 %



15

Incident Energy (MeV)

50-Sn-122

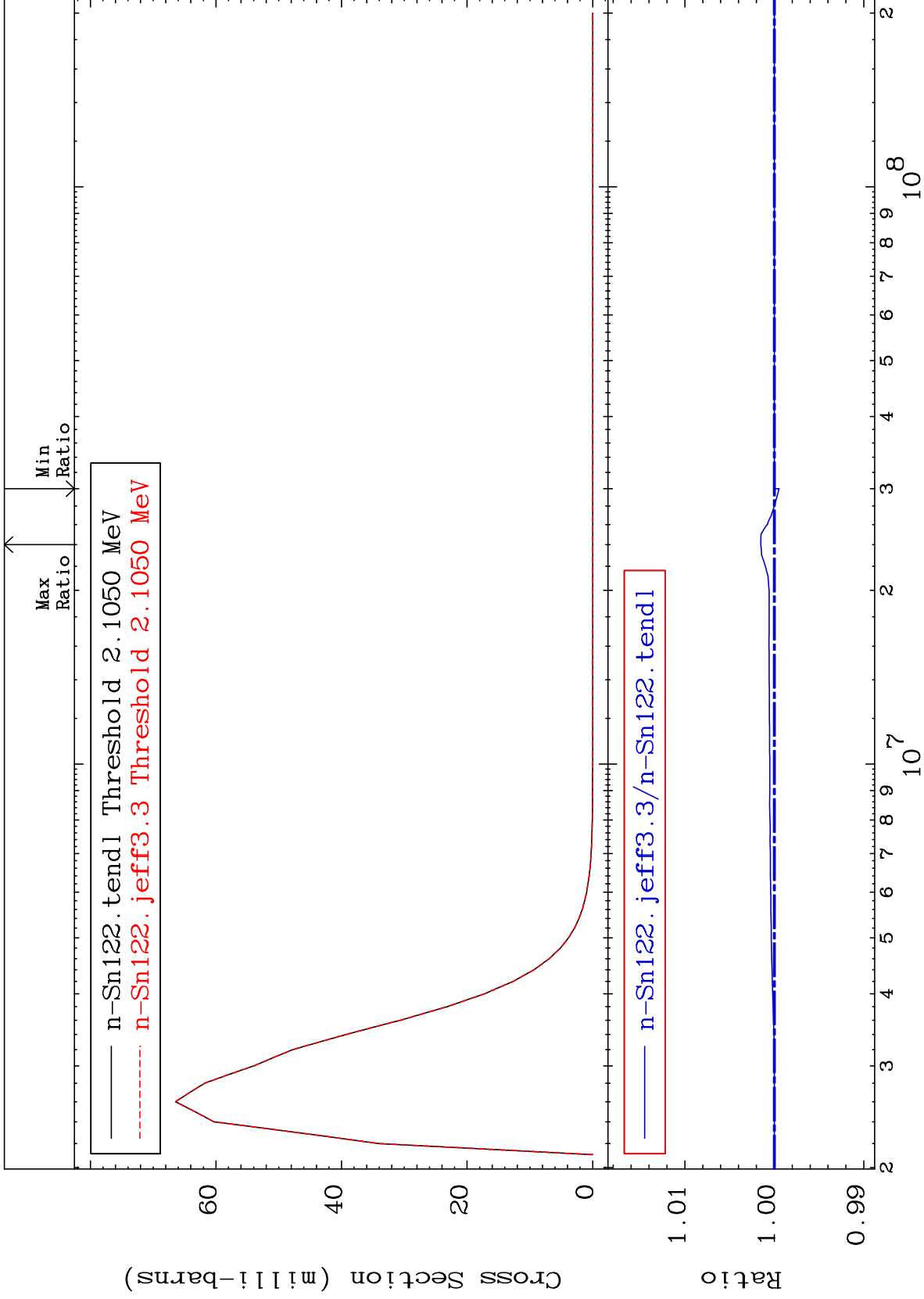




MAT 5055

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

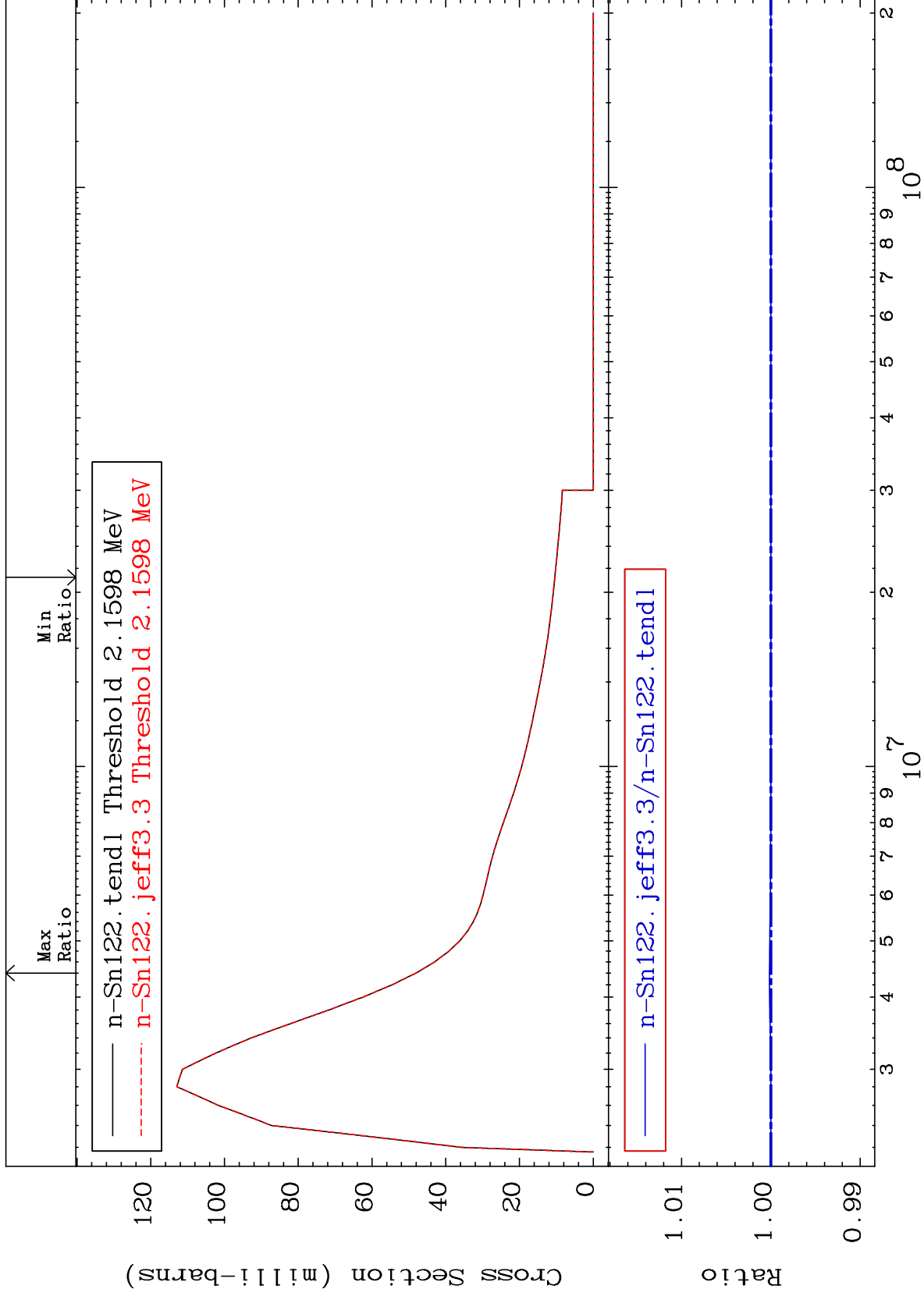
50-Sn-122  
-0.053 To 0.152 %



MAT 5055

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

50-Sn-122  
To 0.016 %



MAT 5055

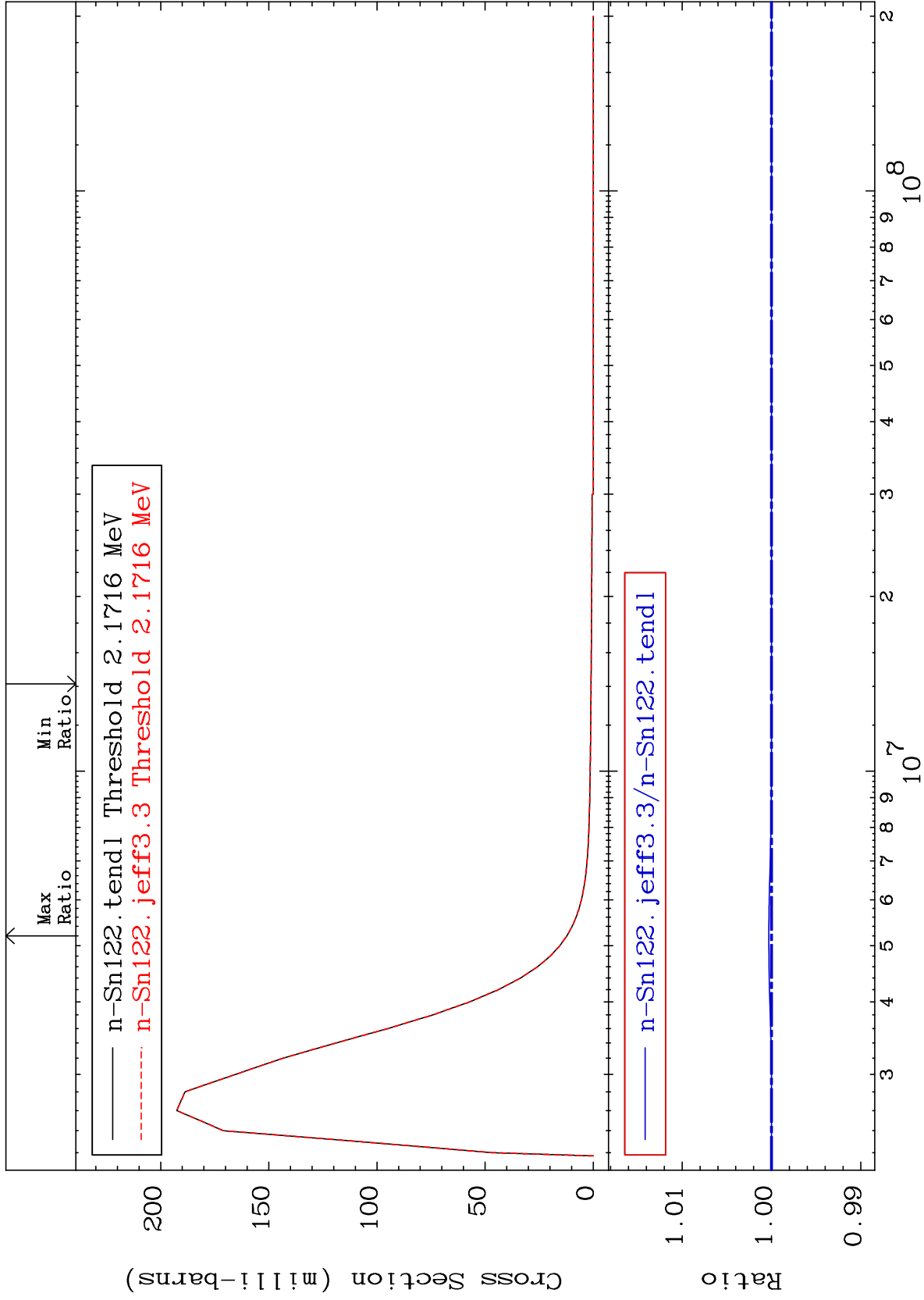
MT= 54 (n,n') Level

50-Sn-122

Cross Section

0.000

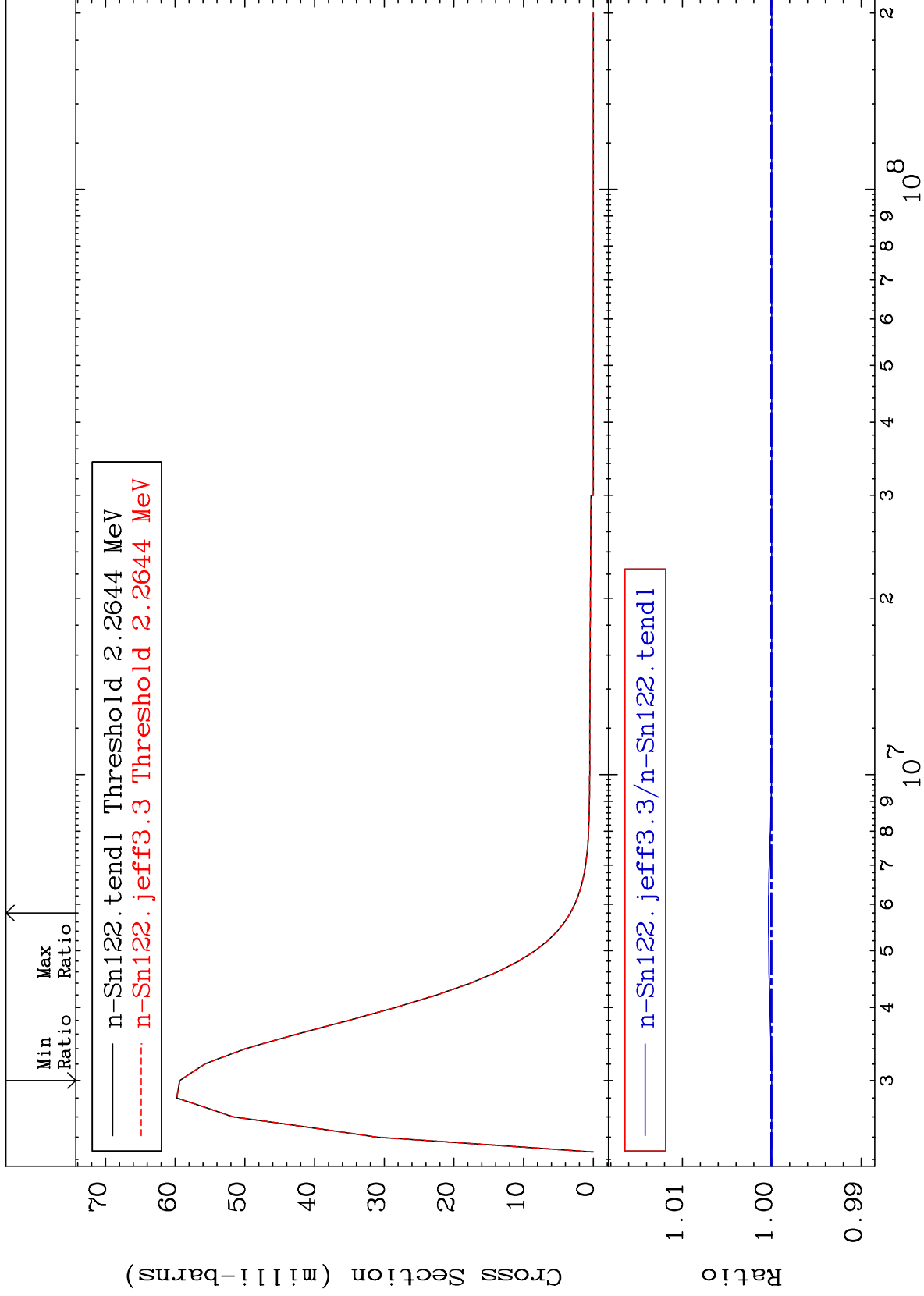
To 0.030 %



MAT 5055

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

50-Sn-122  
To 0.036 %

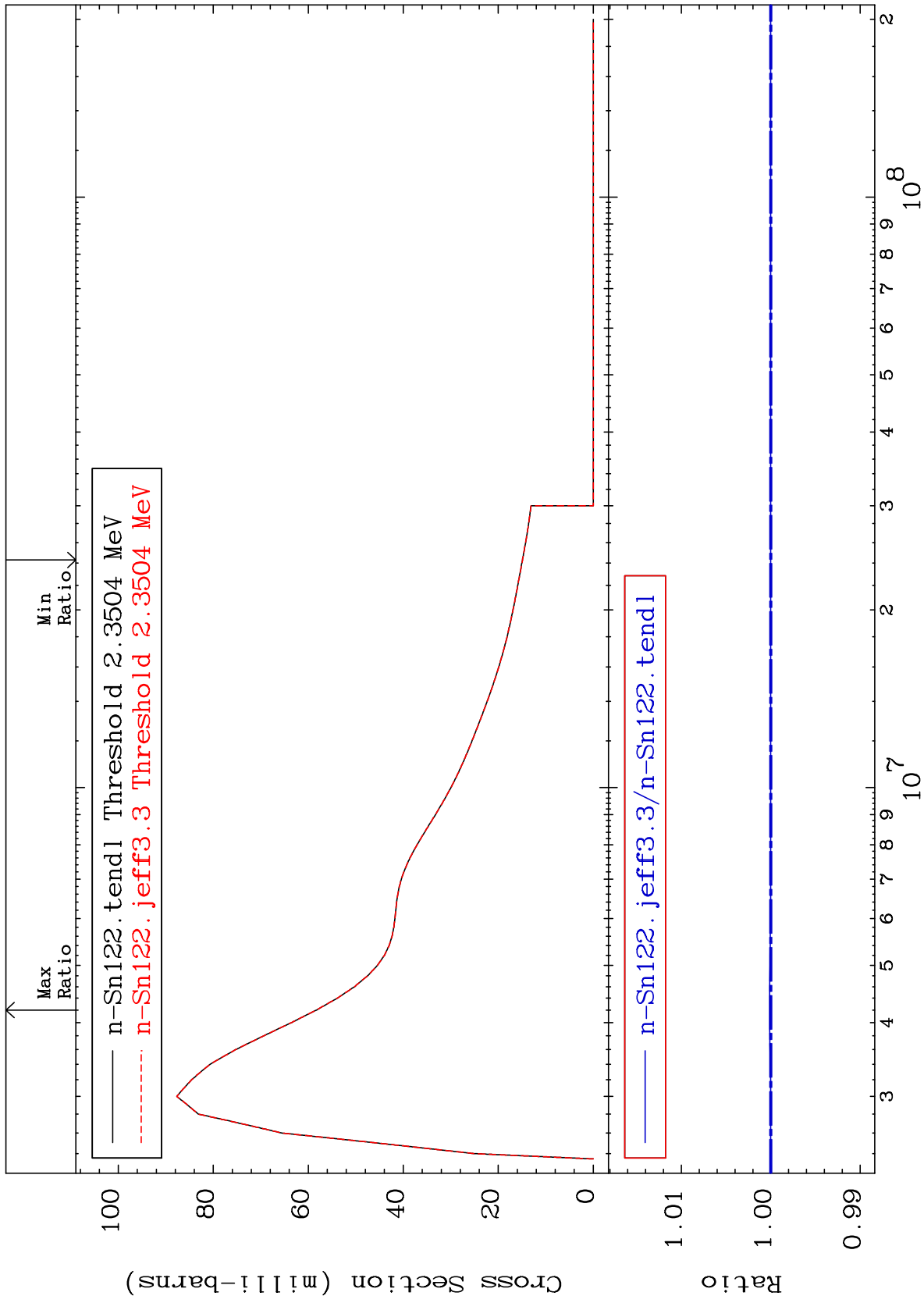


20

Incident Energy (eV)

50-Sn-122

MAT 5055 MT= 56 (n,n') Level Cross Section 50-Sn-122 To 0.013 %

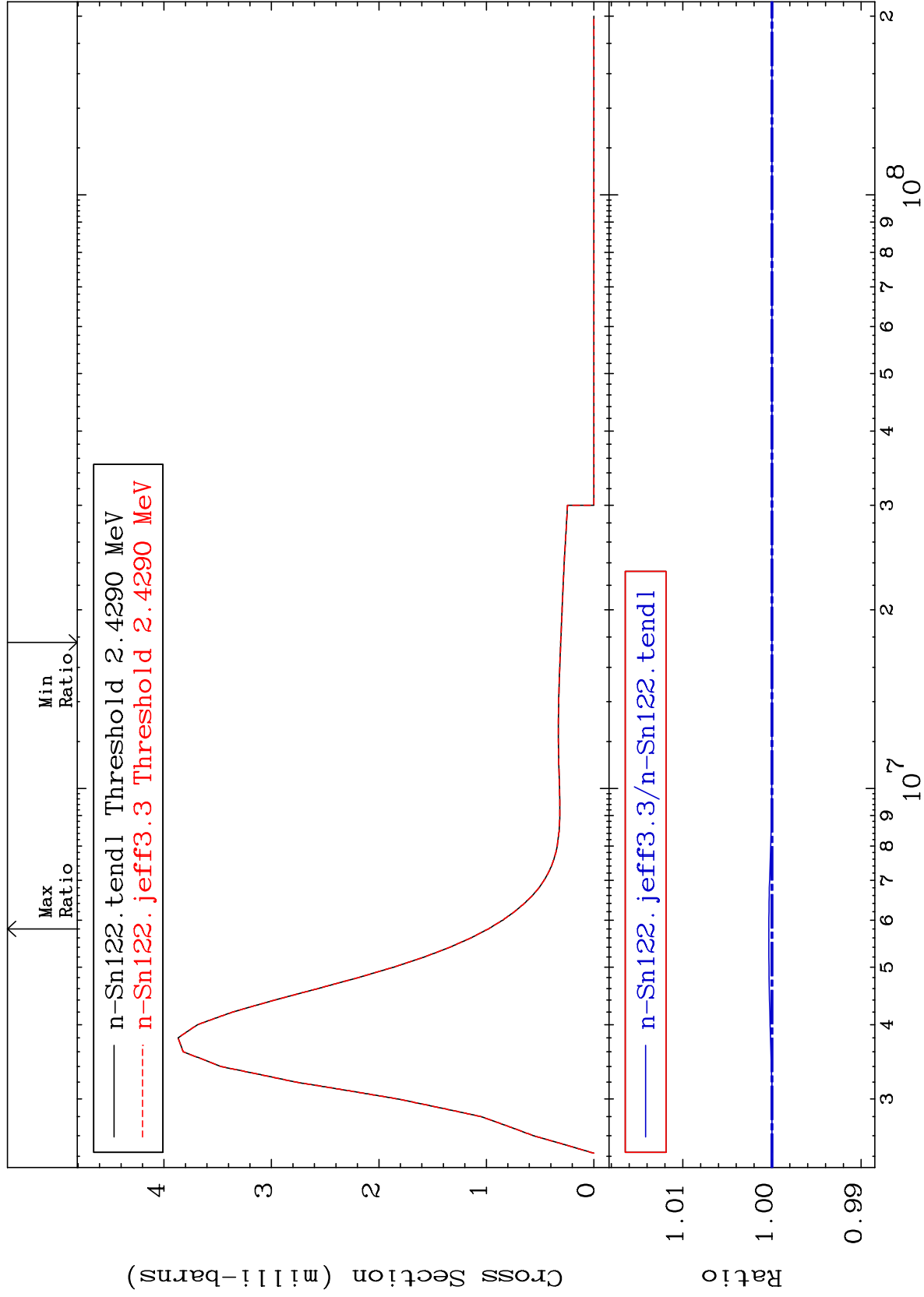


MAT 5055

MT= 57 (n,n') Level

50-Sn-122

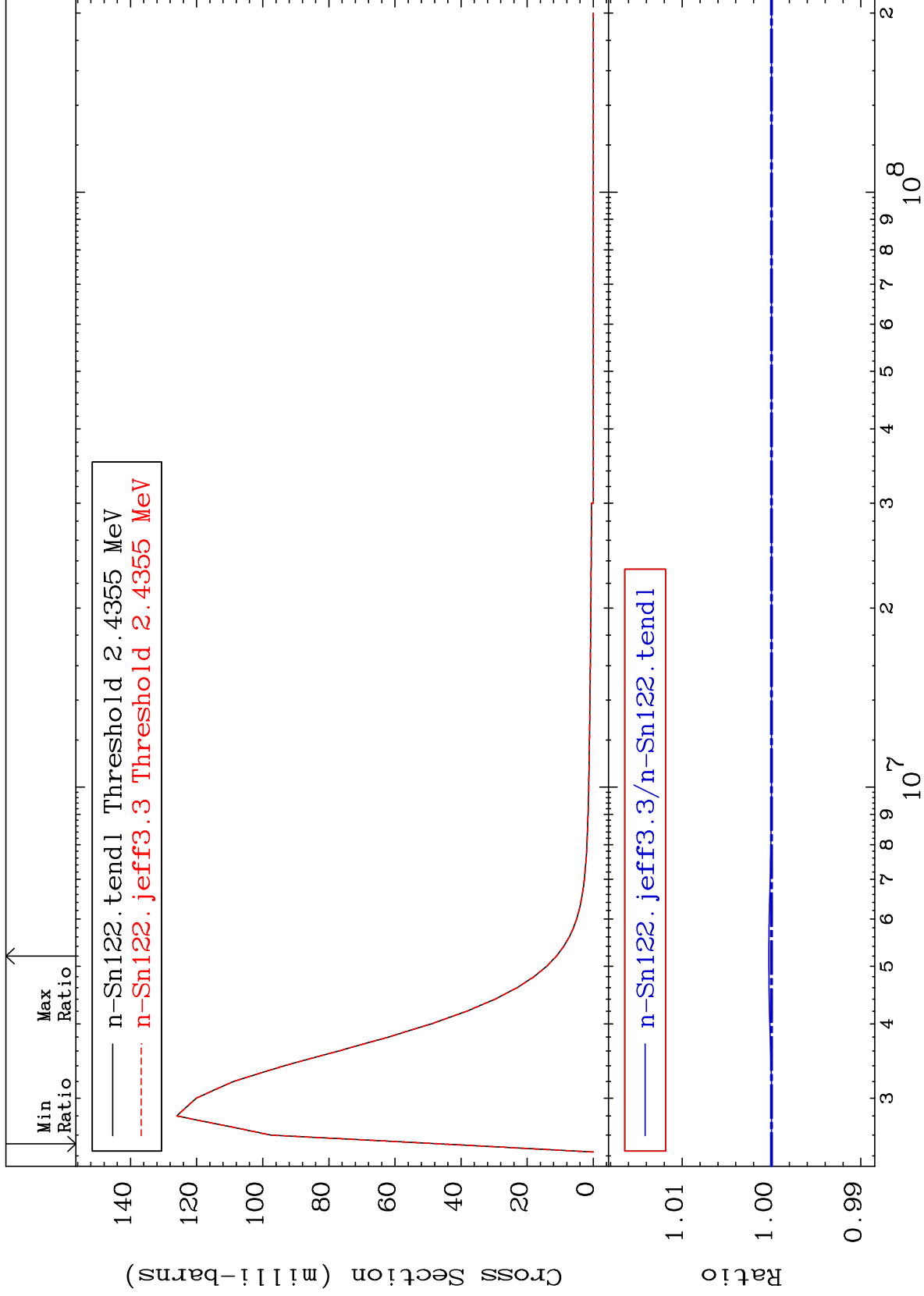
Cross Section  
0.000 To 0.035 %



MAT 5055

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

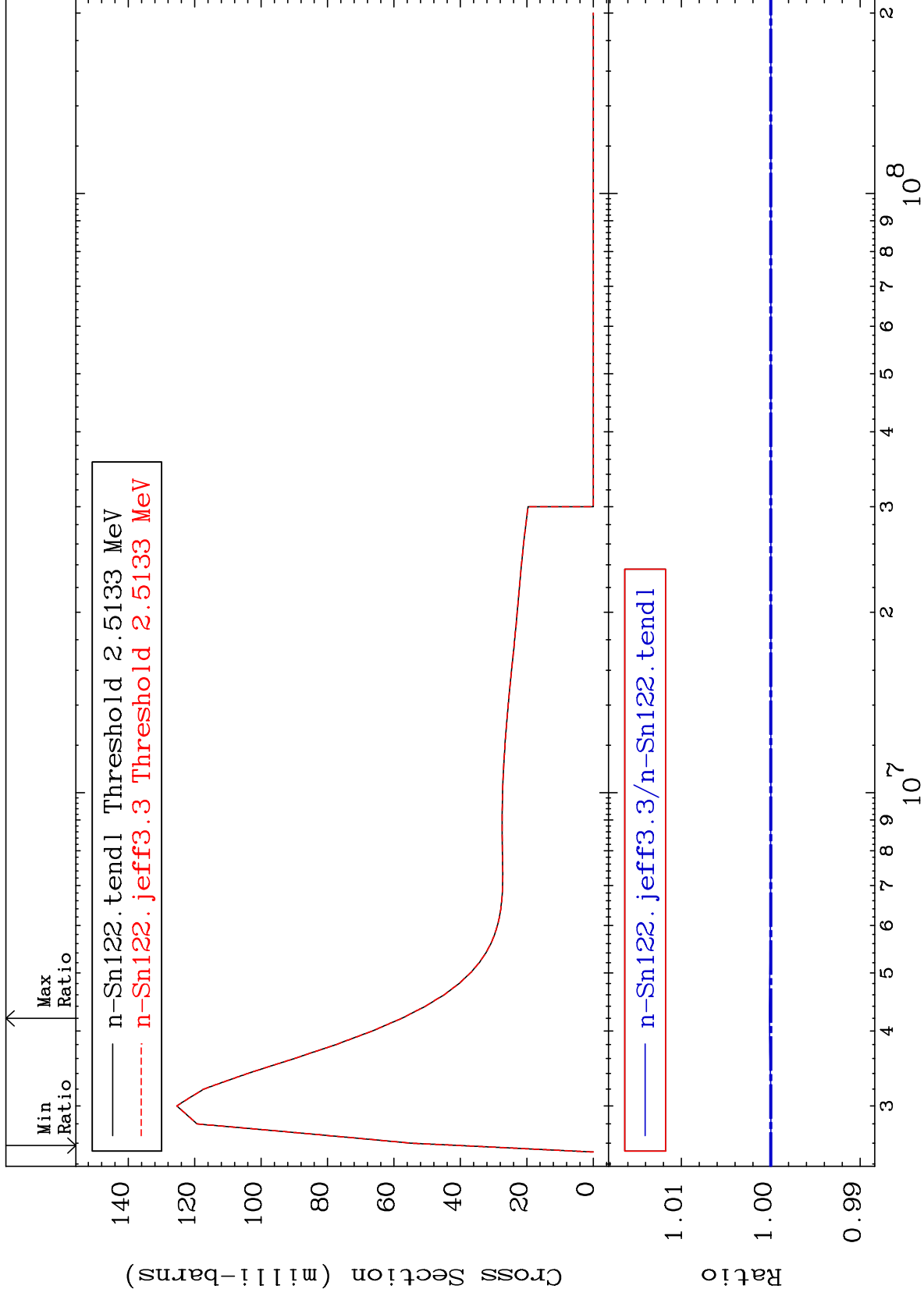
50-Sn-122  
To 0.031 %



MAT 5055

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

50-Sn-122  
To 0.014 %

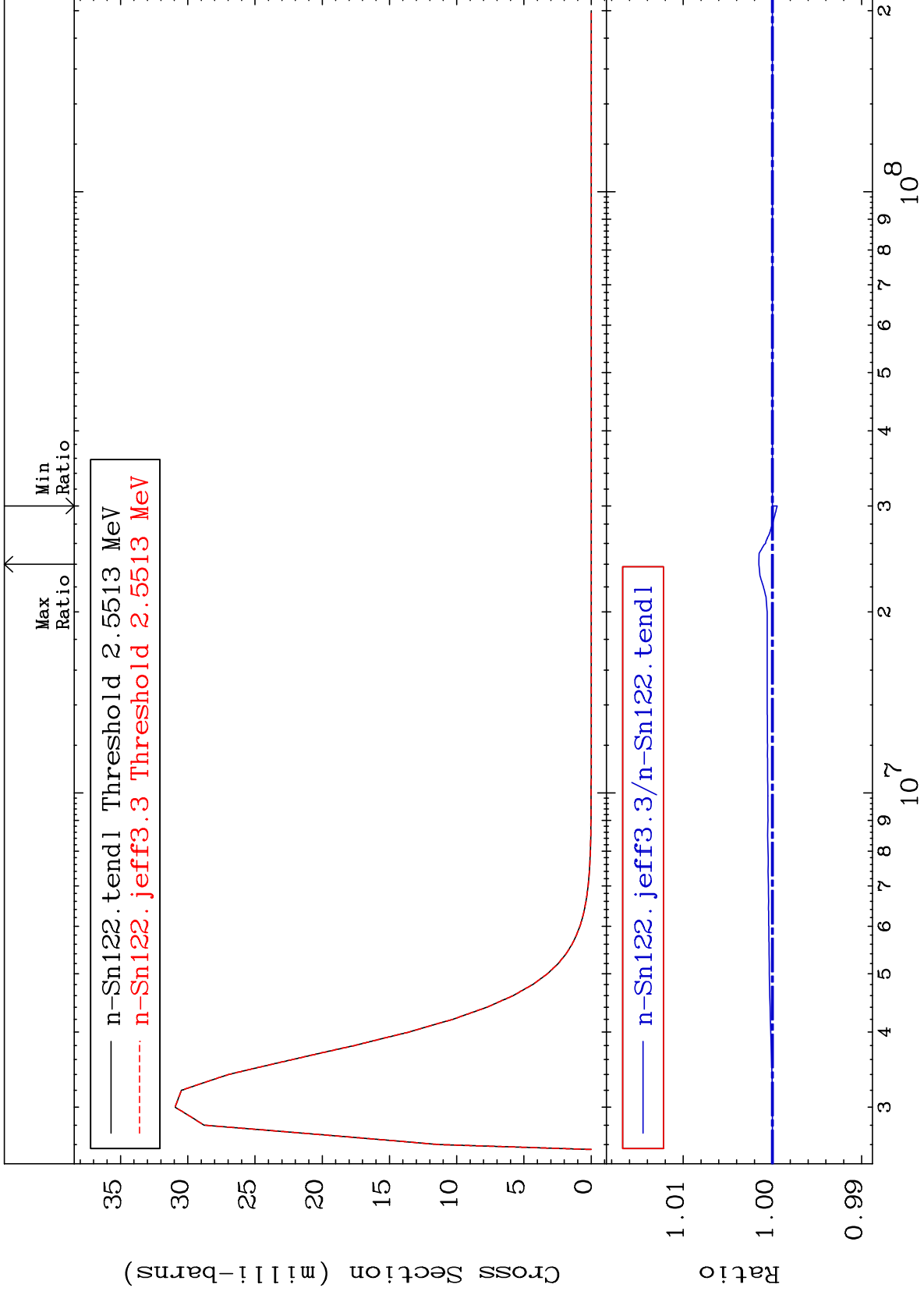




MAT 5055

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

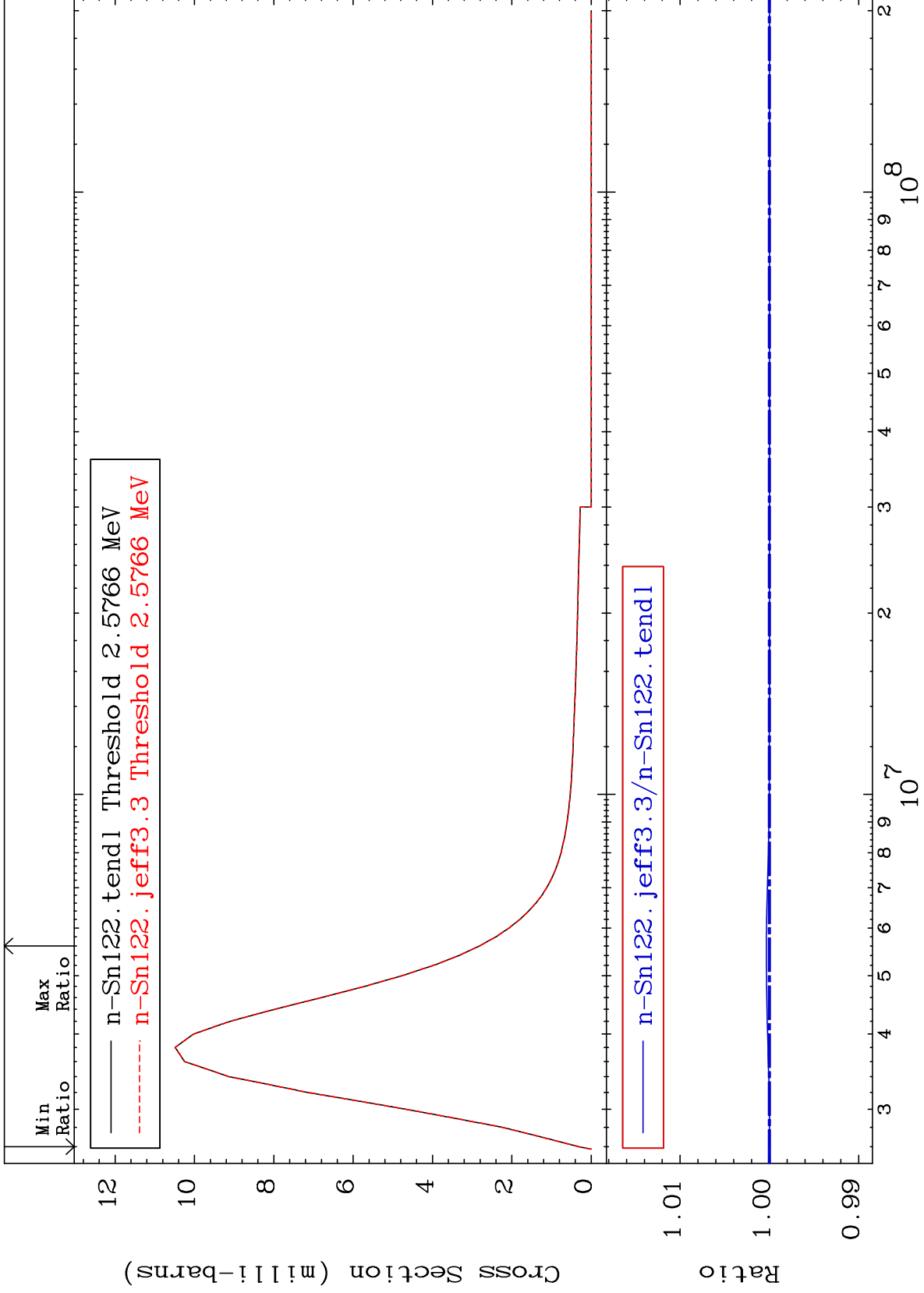
50-Sn-122  
-0.053 To 0.153 %



MAT 5055

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

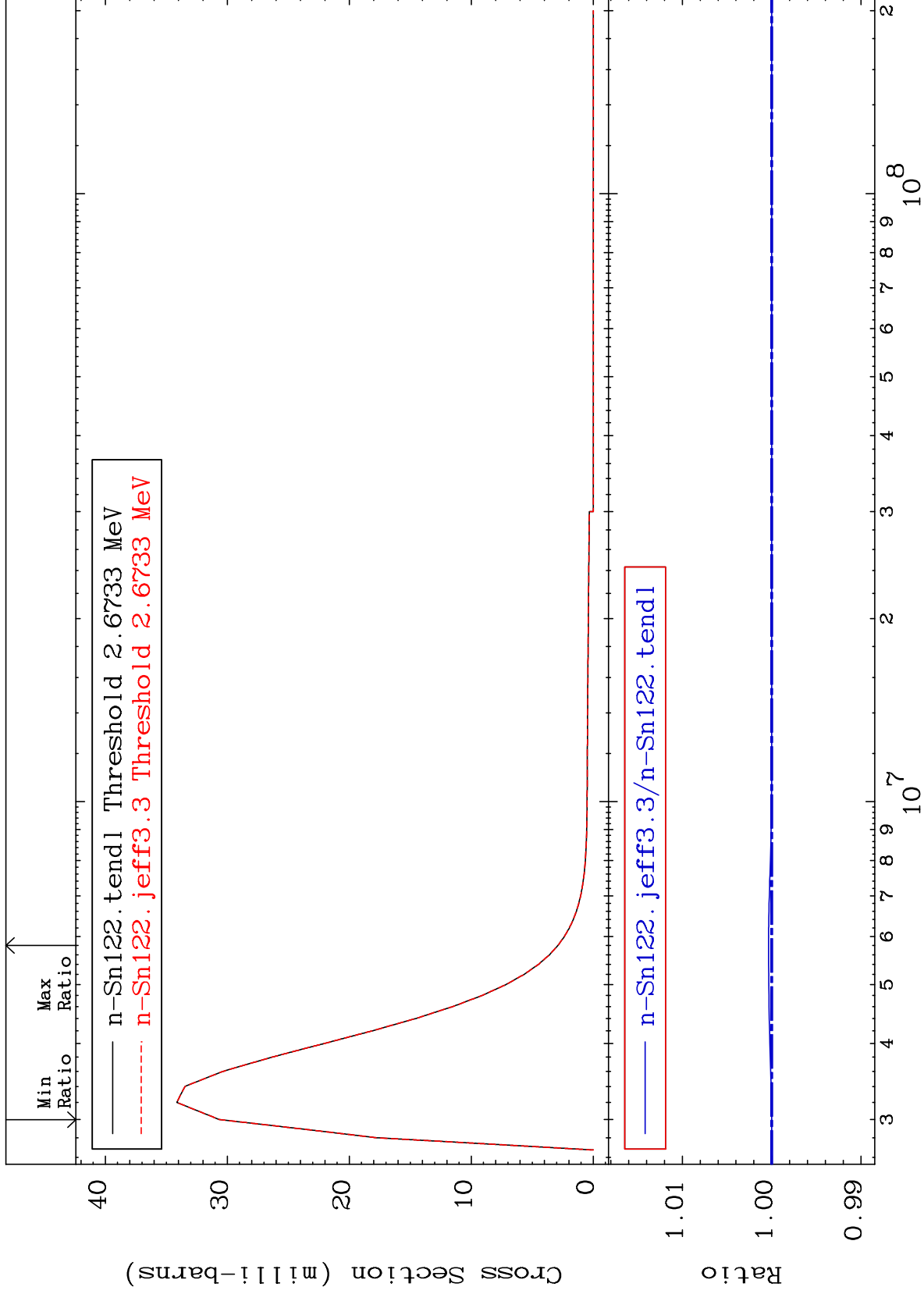
50-Sn-122  
-0.002 To 0.034 %



MAT 5055

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

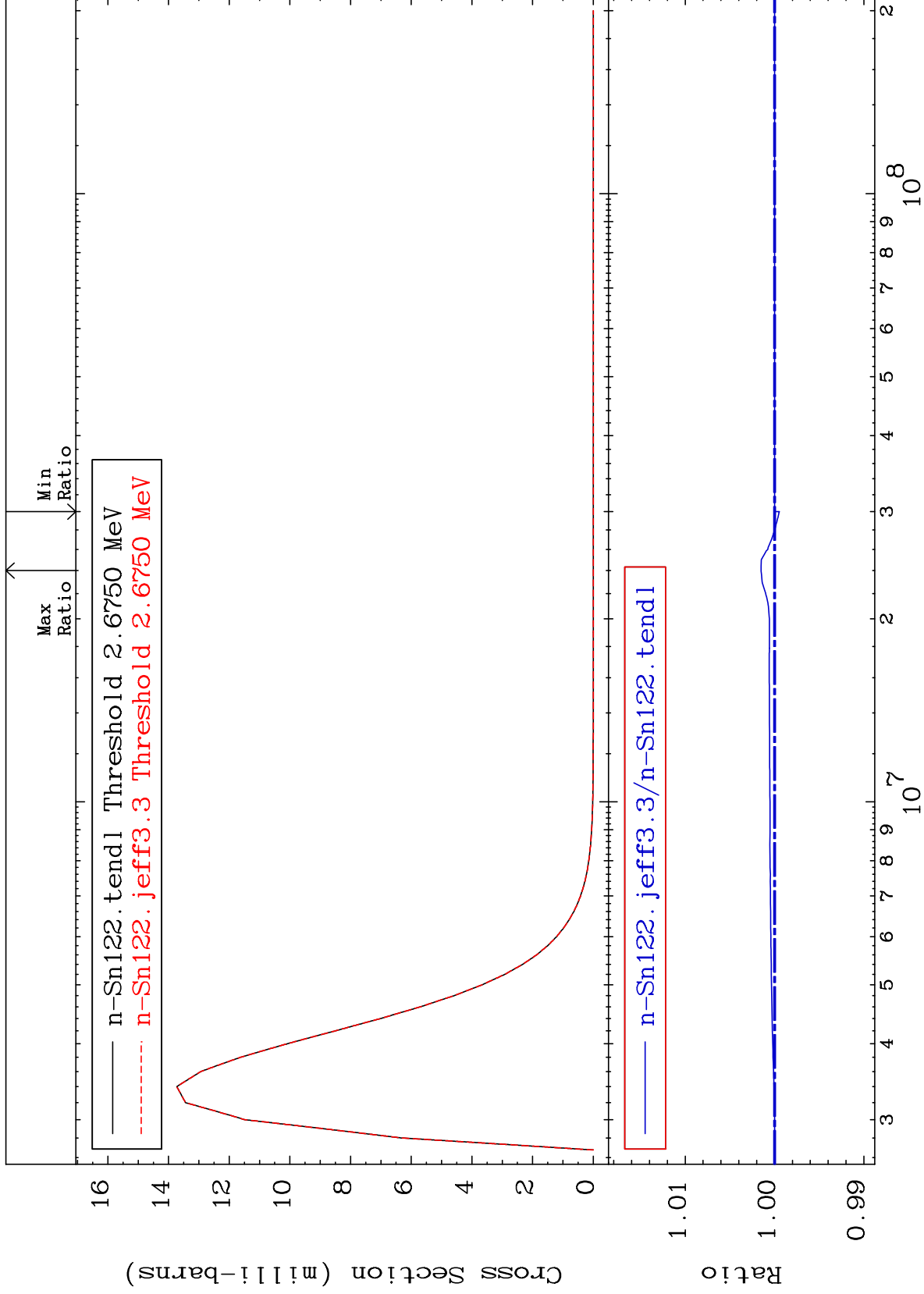
50-Sn-122  
To 0.035 %



MAT 5055

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

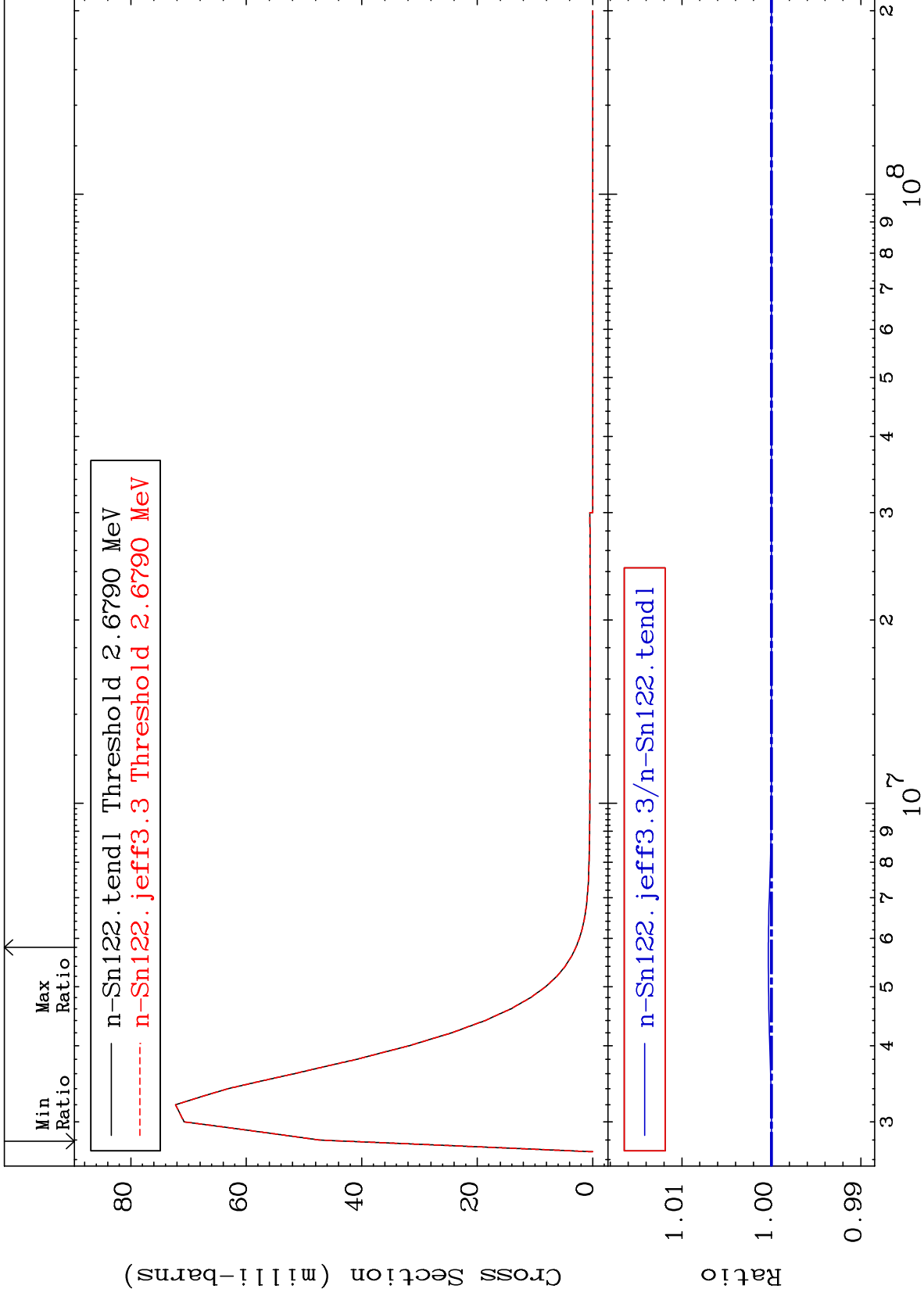
50-Sn-122  
-0.053 To 0.152 %



MAT 5055

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

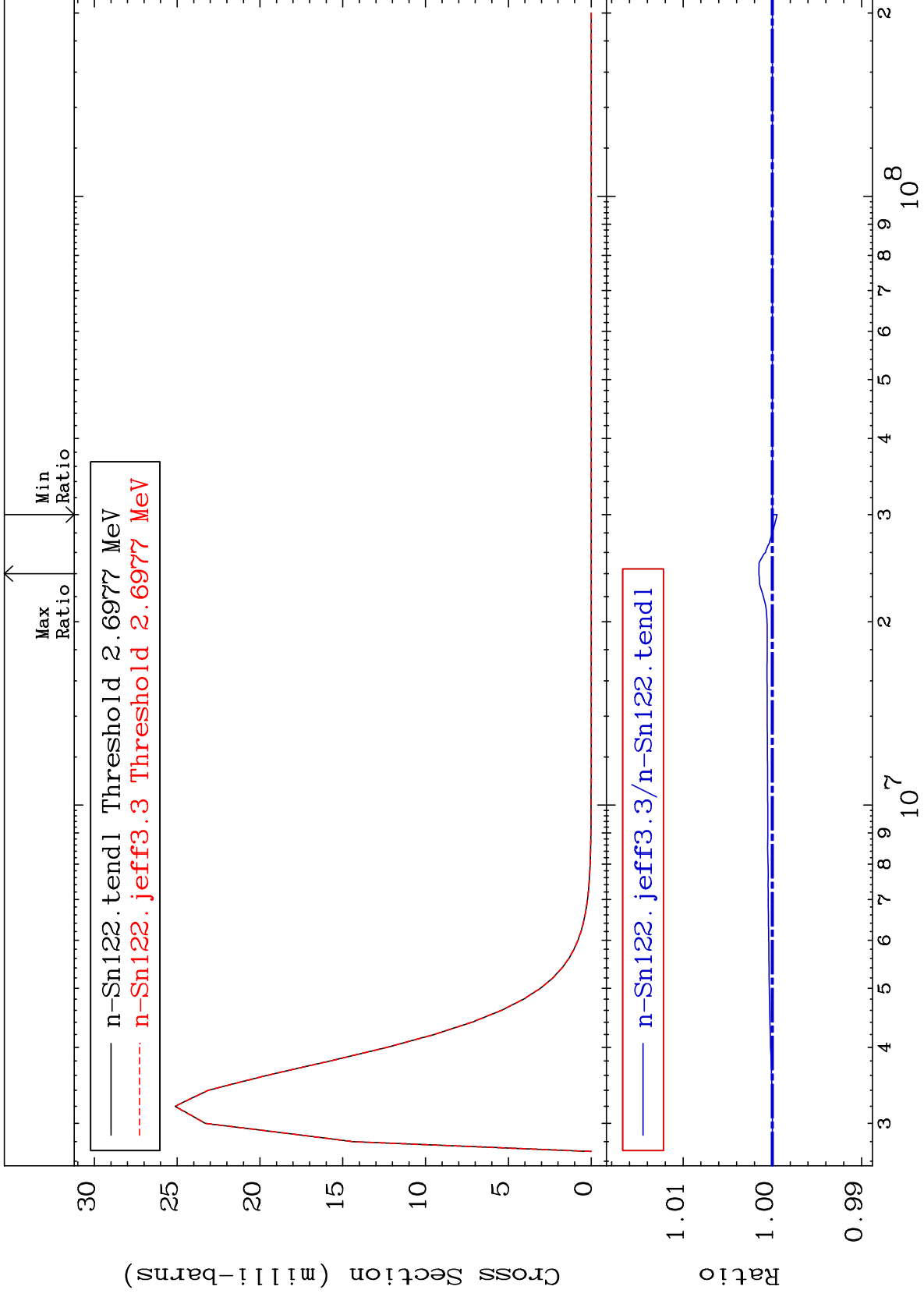
50-Sn-122  
To 0.034 %



MAT 5055

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

50-Sn-122  
-0.053 To 0.152 %



30

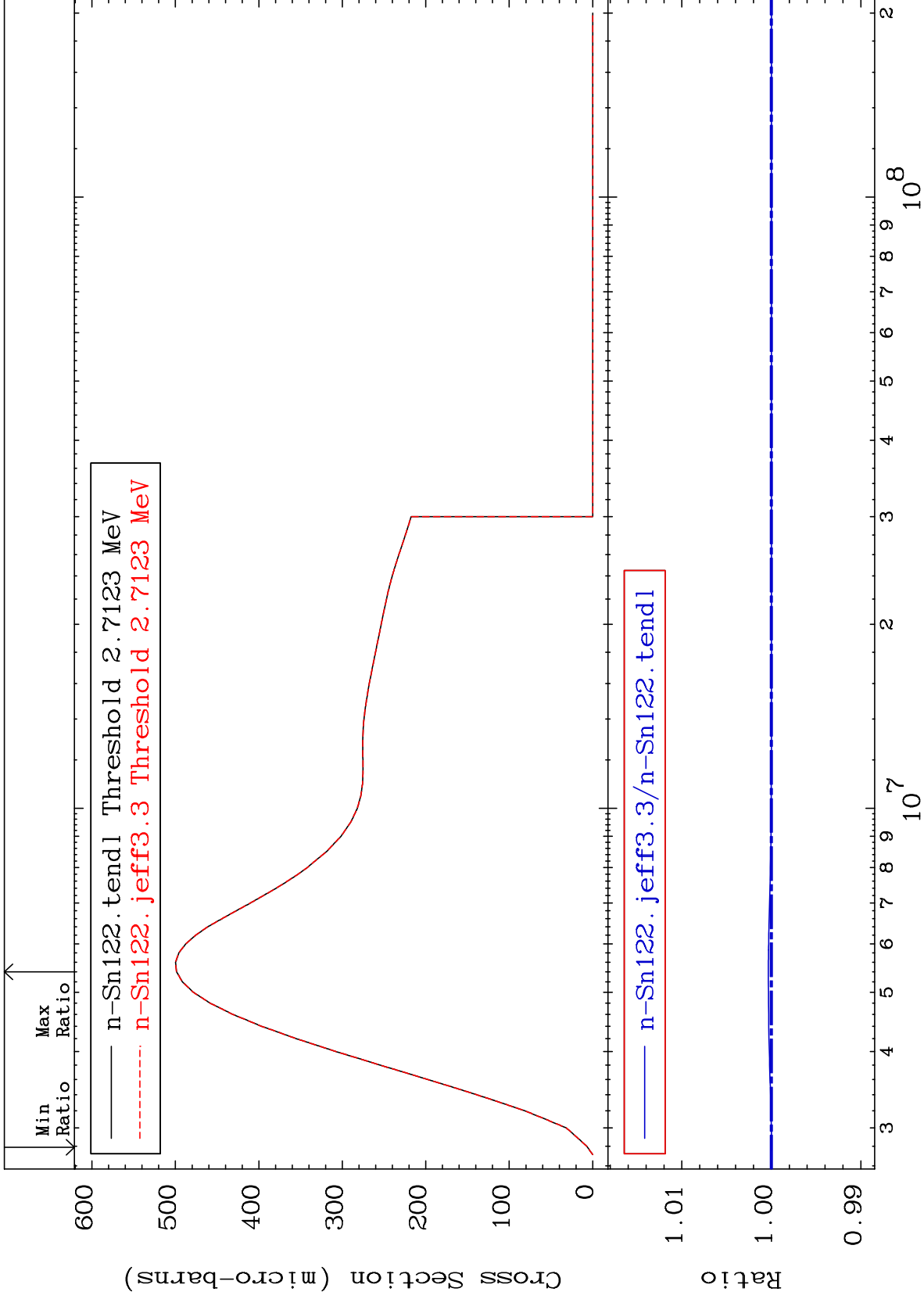
Incident Energy (eV)

50-Sn-122

MAT 5055

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

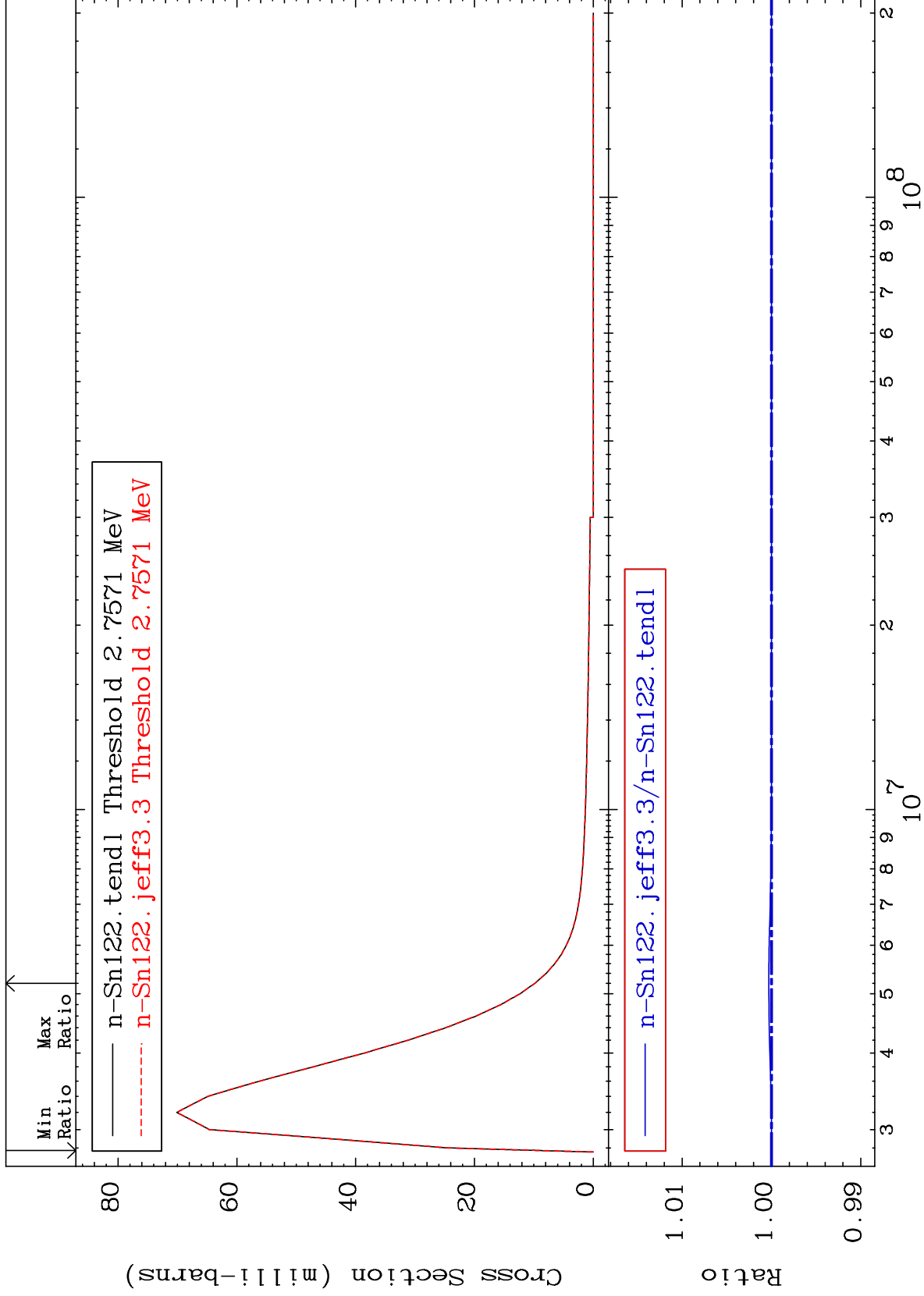
50-Sn-122  
To 0.034 %



MAT 5055

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

50-Sn-122  
To 0.030 %

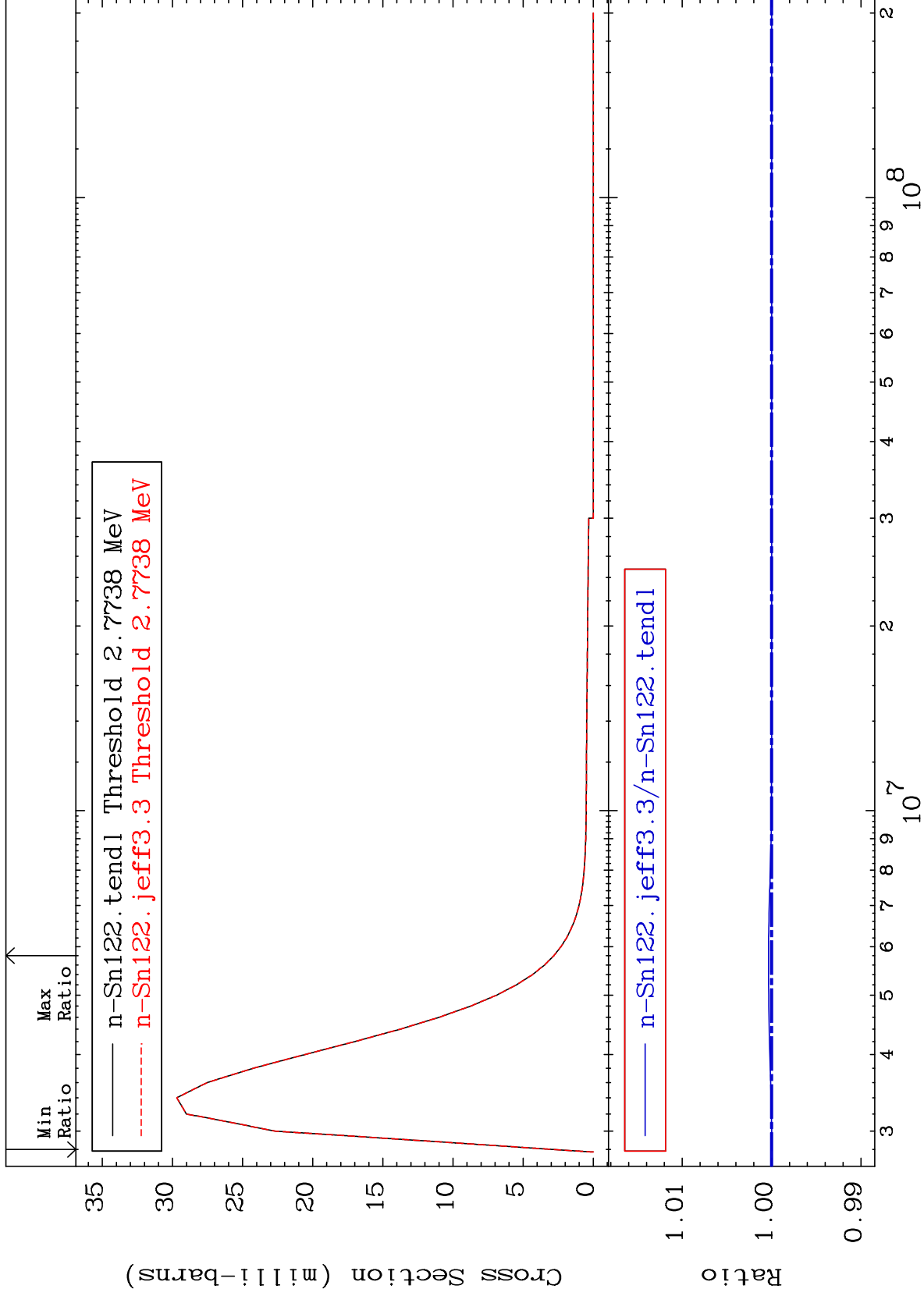




MAT 5055

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

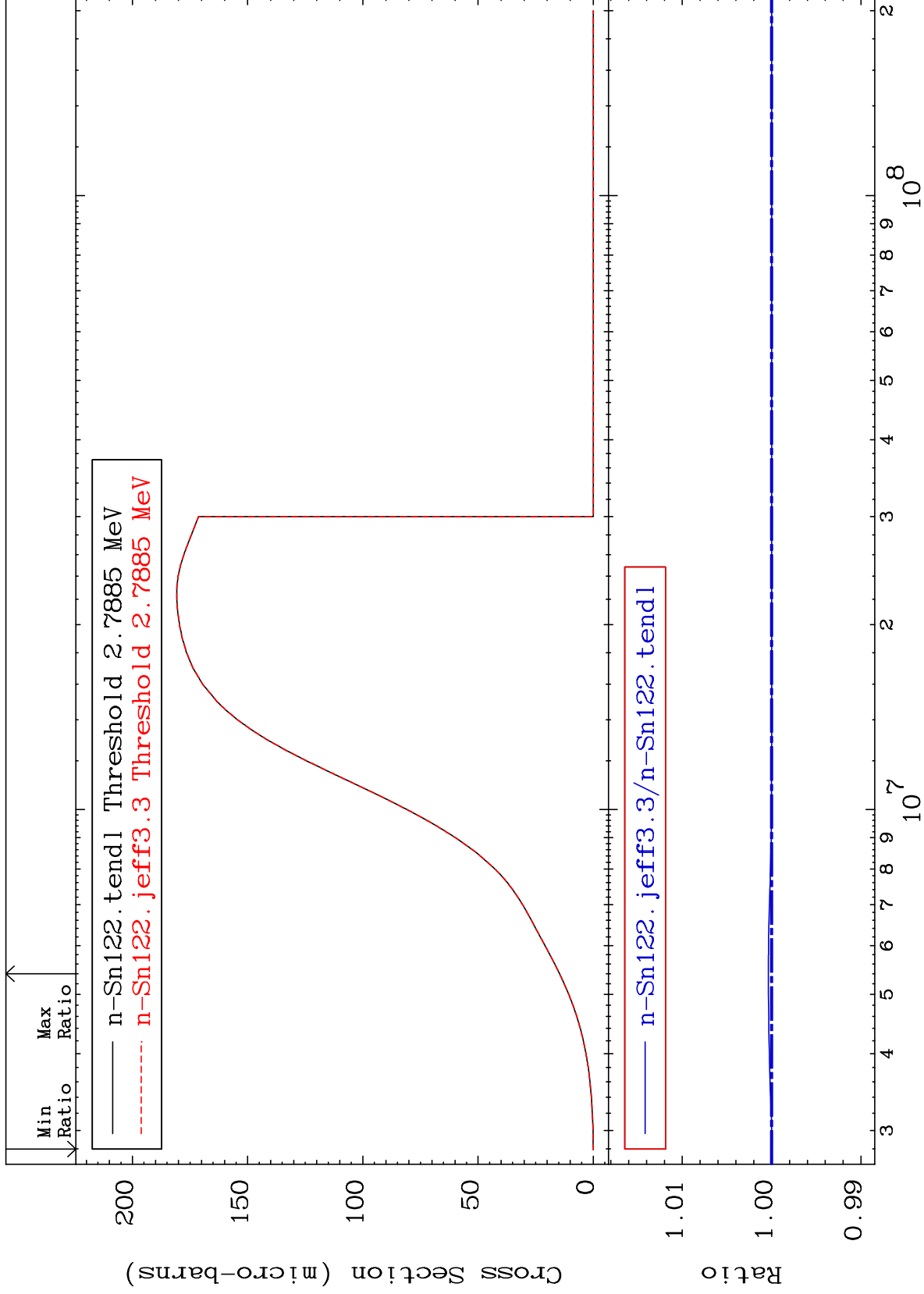
50-Sn-122  
-0.002 To 0.035 %



MAT 5055

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

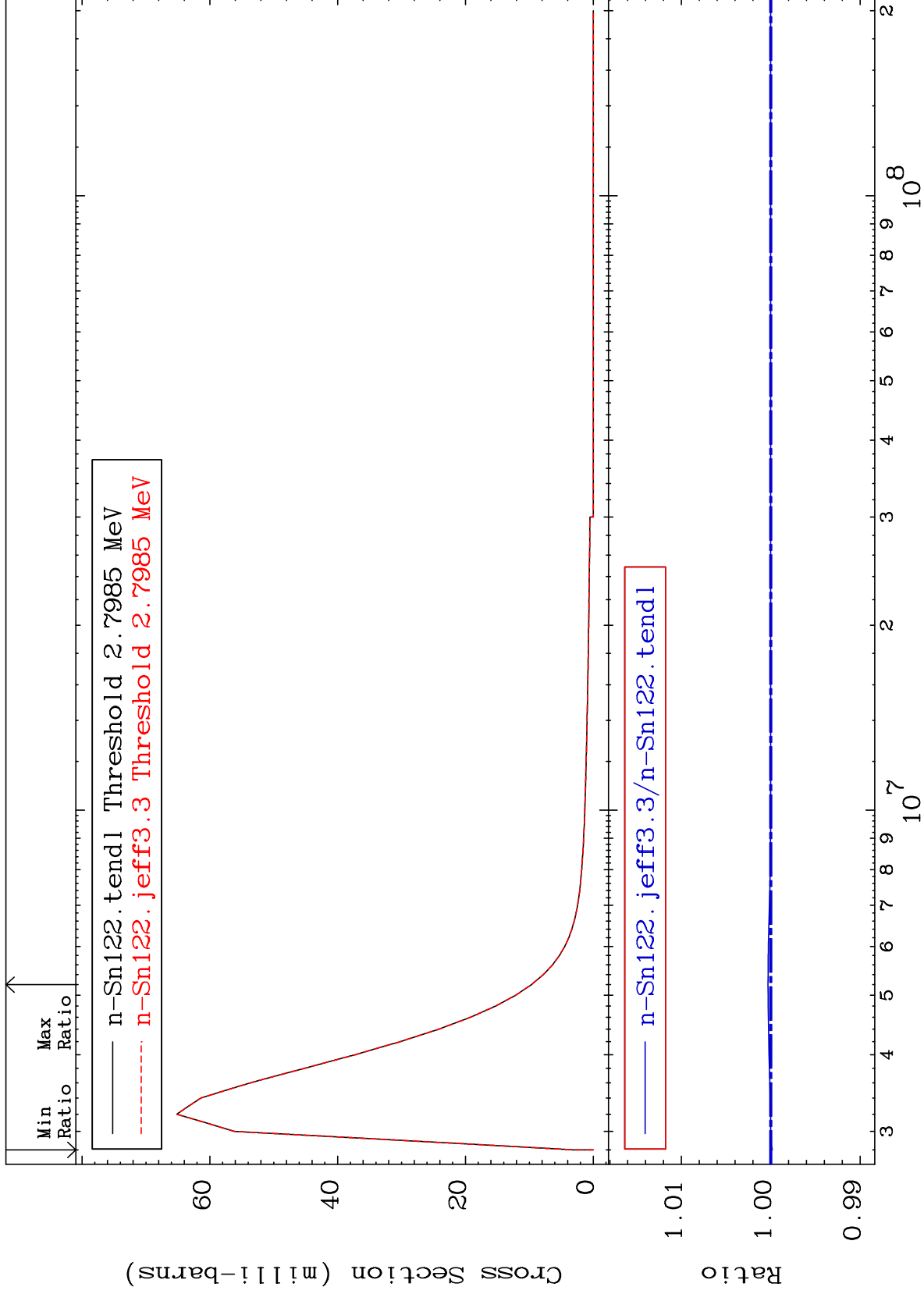
50-Sn-122  
-0.004 To 0.037 %



MAT 5055

MT= 70 (n,n') Level  
Cross Section

50-Sn-122  
-0.017 To 0.030 %



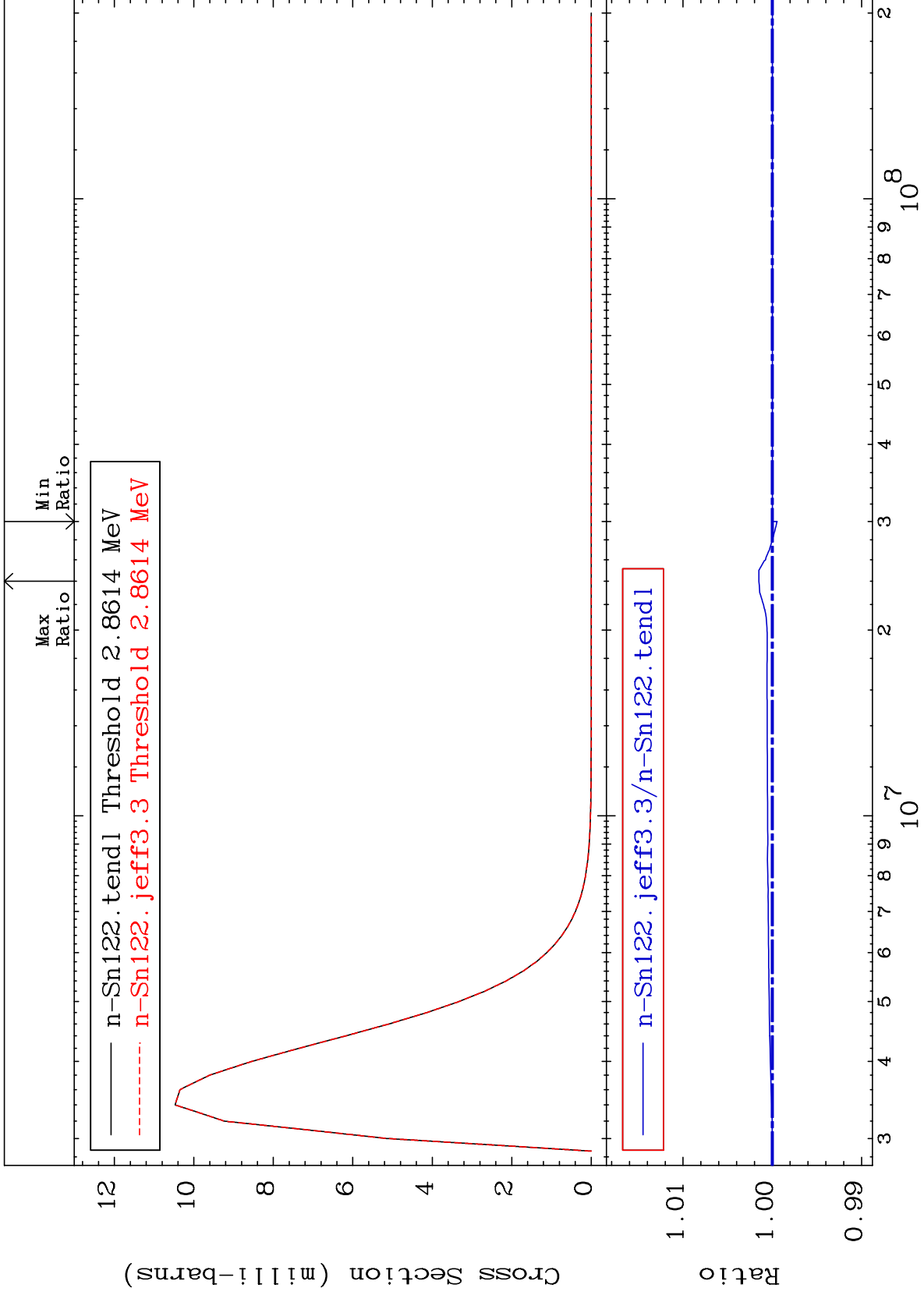
35

50-Sn-122

MAT 5055

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

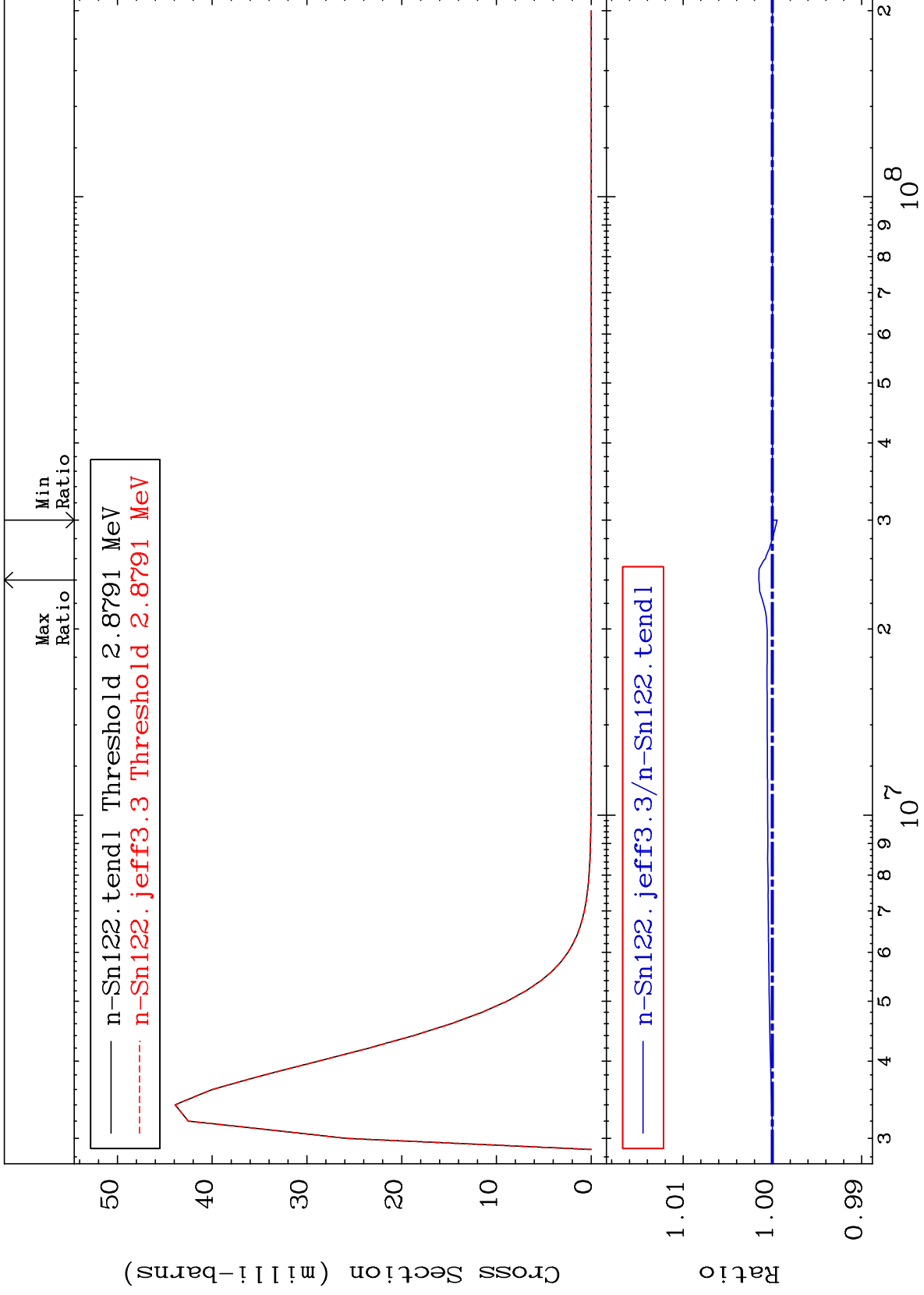
50-Sn-122  
-0.054 To 0.152 %



MAT 5055

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

50-Sn-122  
-0.053 To 0.152 %



37

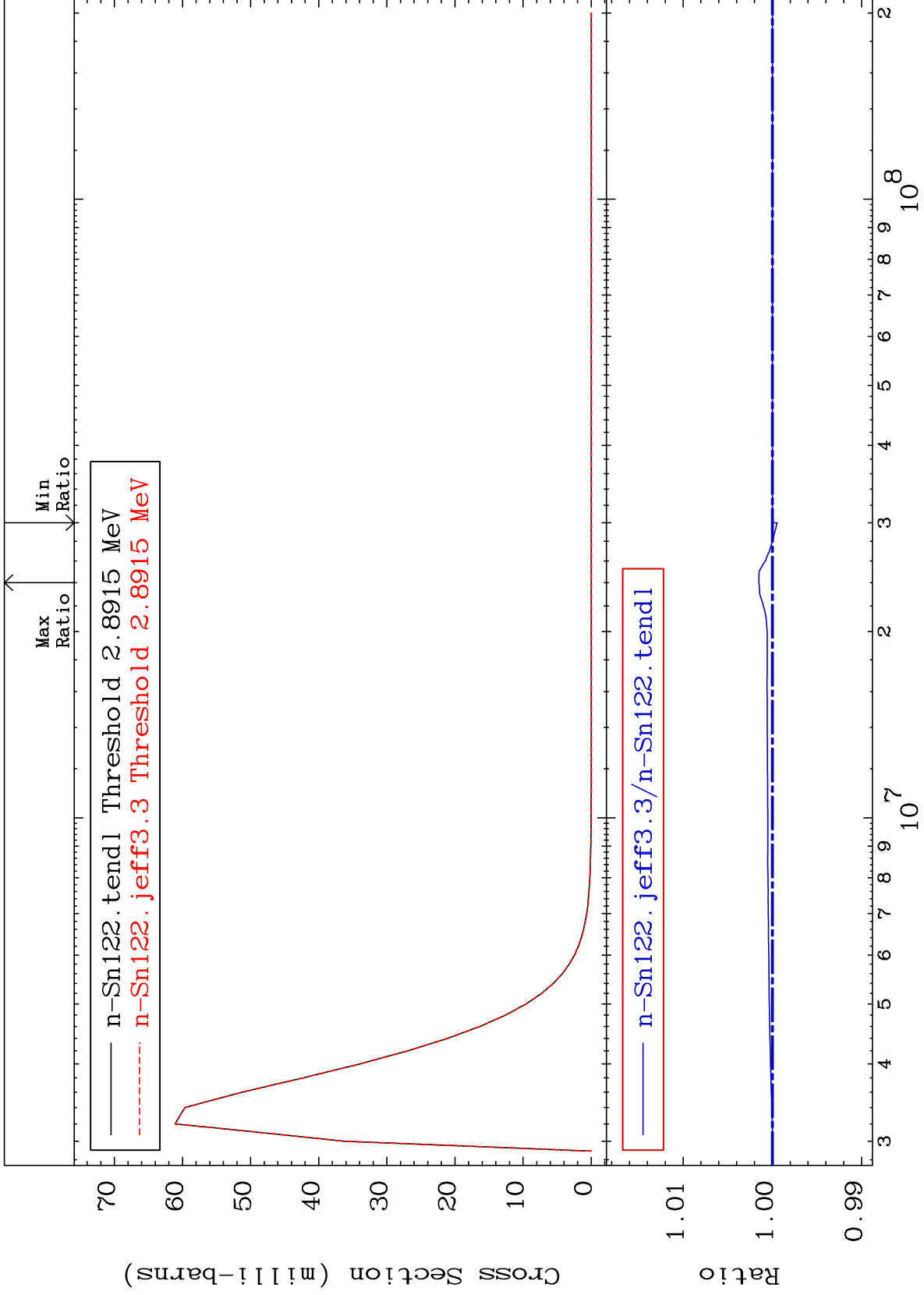
Incident Energy (eV)

50-Sn-122

MAT 5055

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

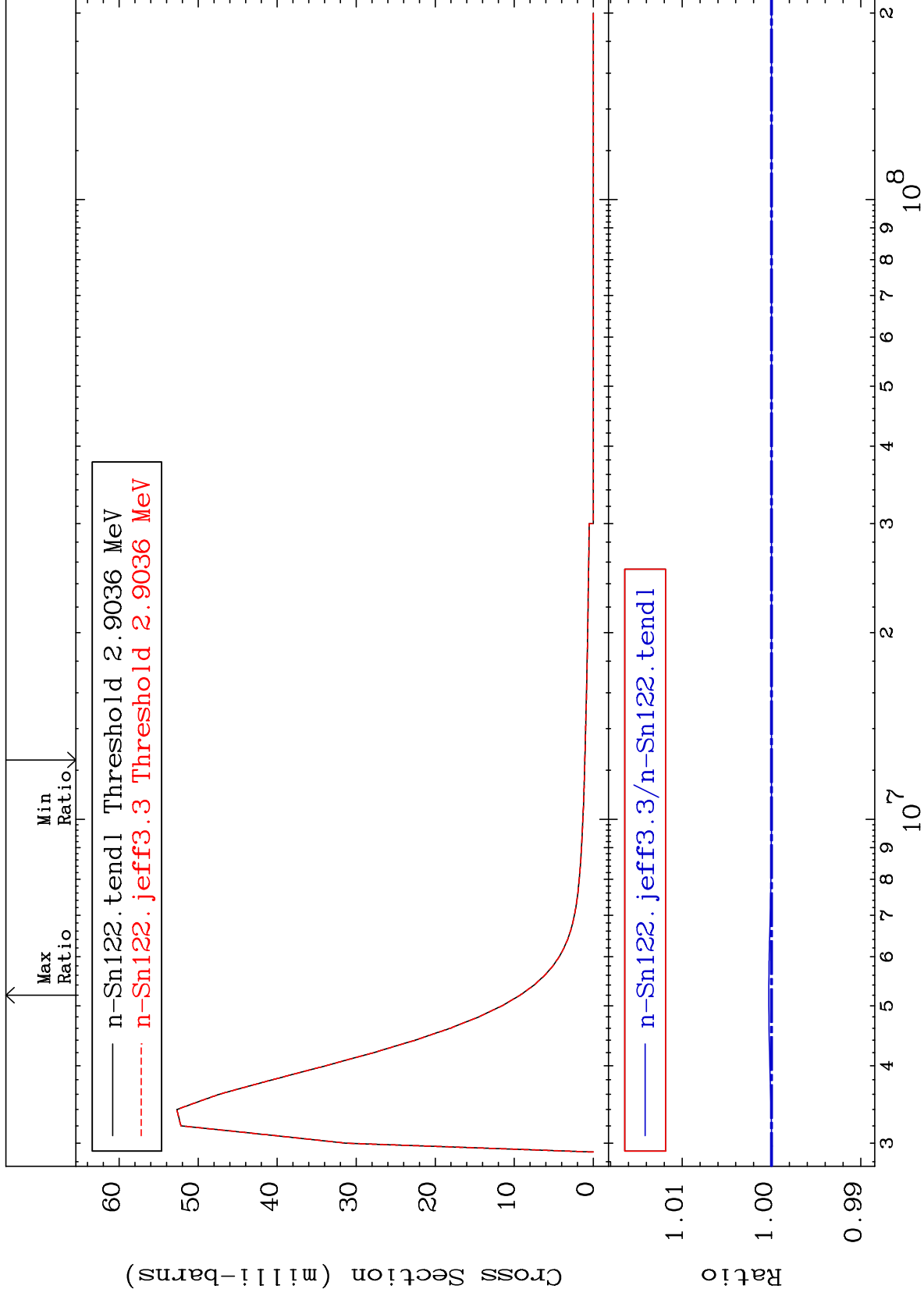
50-Sn-122  
-0.053 To 0.152 %



MAT 5055

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

50-Sn-122  
To 0.030 %



39

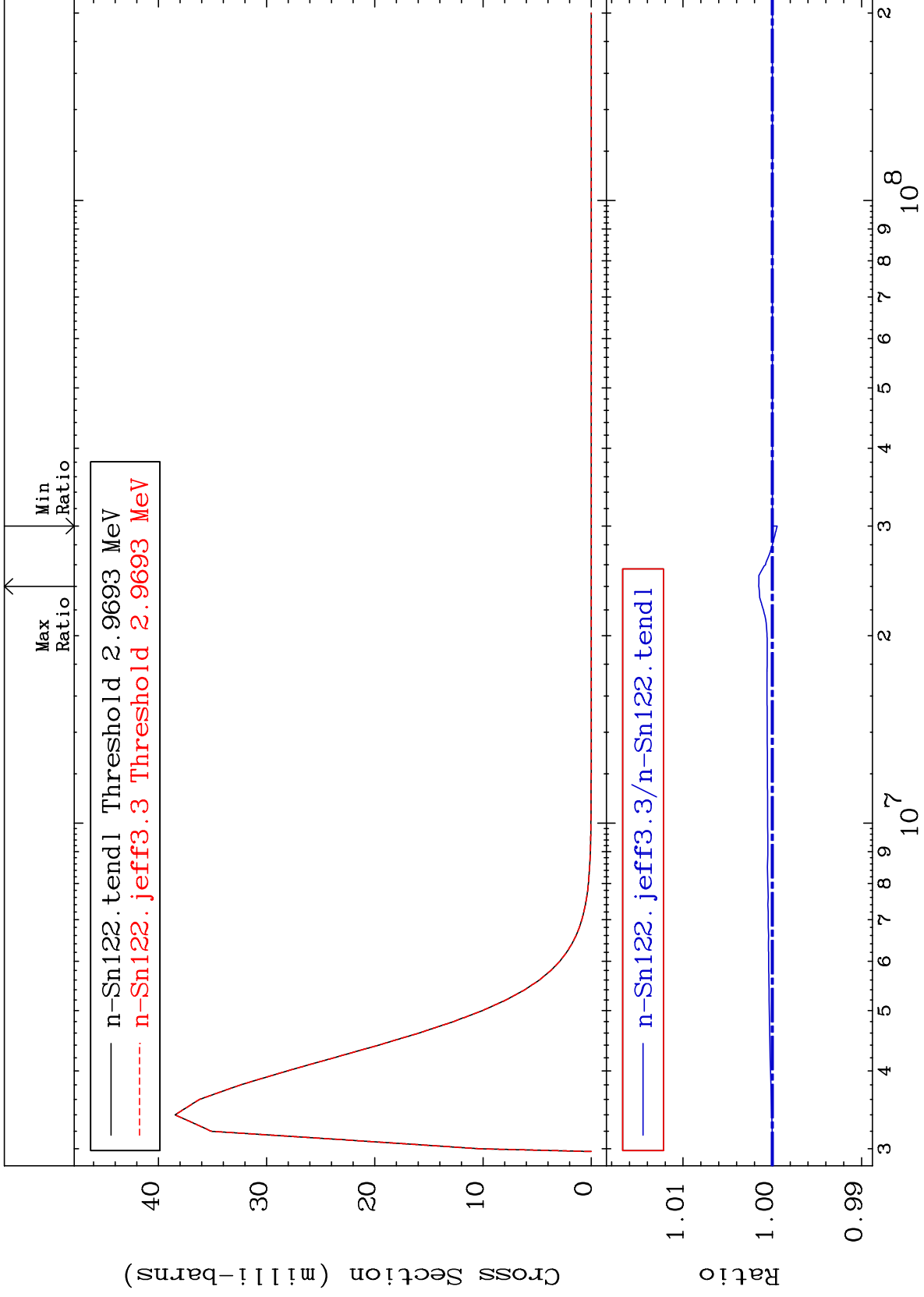
Incident Energy (eV)

50-Sn-122

MAT 5055

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

50-Sn-122  
-0.054 To 0.152 %



40

Incident Energy (eV)

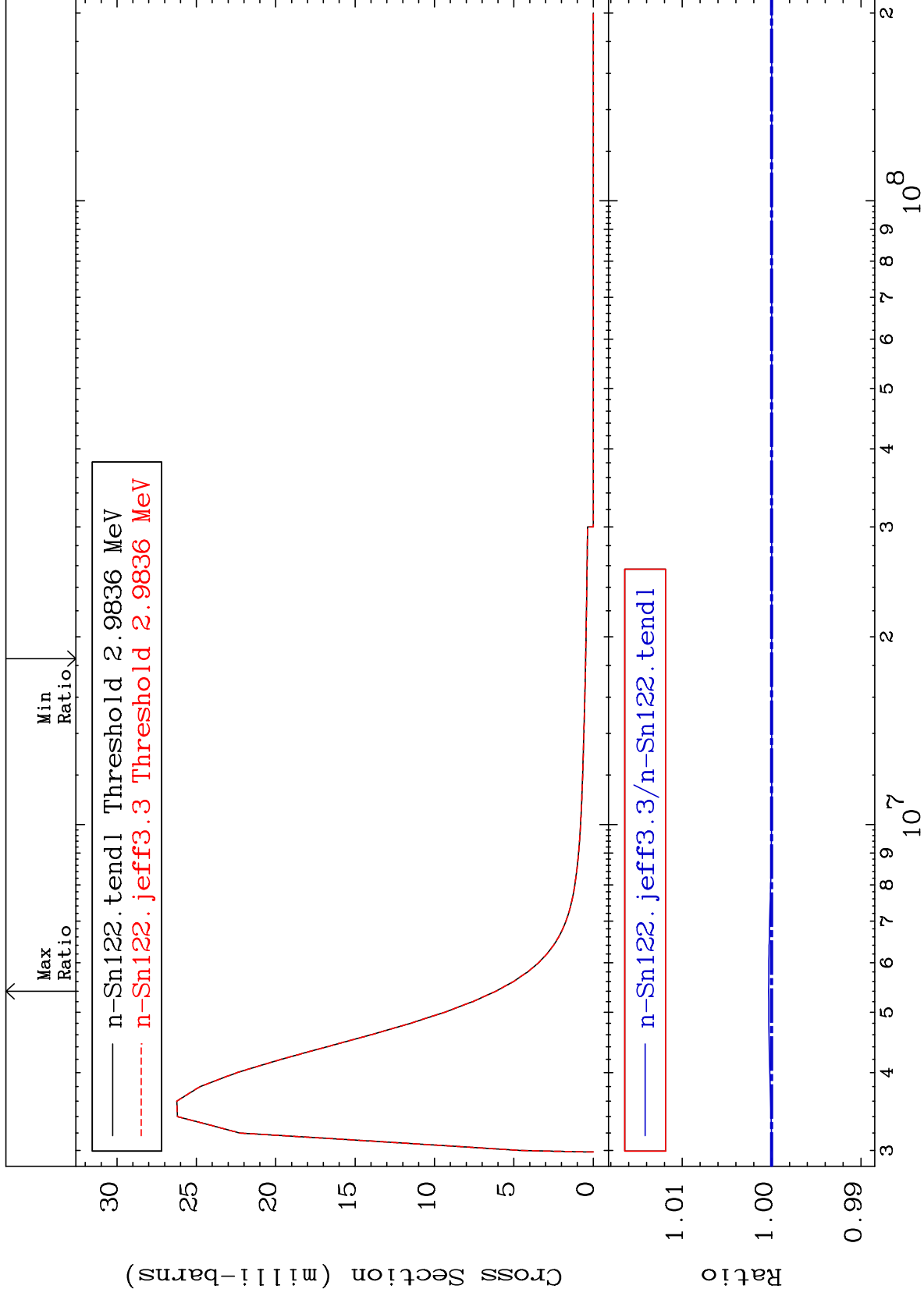
50-Sn-122



MAT 5055

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

50-Sn-122  
To 0.033 %



41

50-Sn-122

MAT 5055

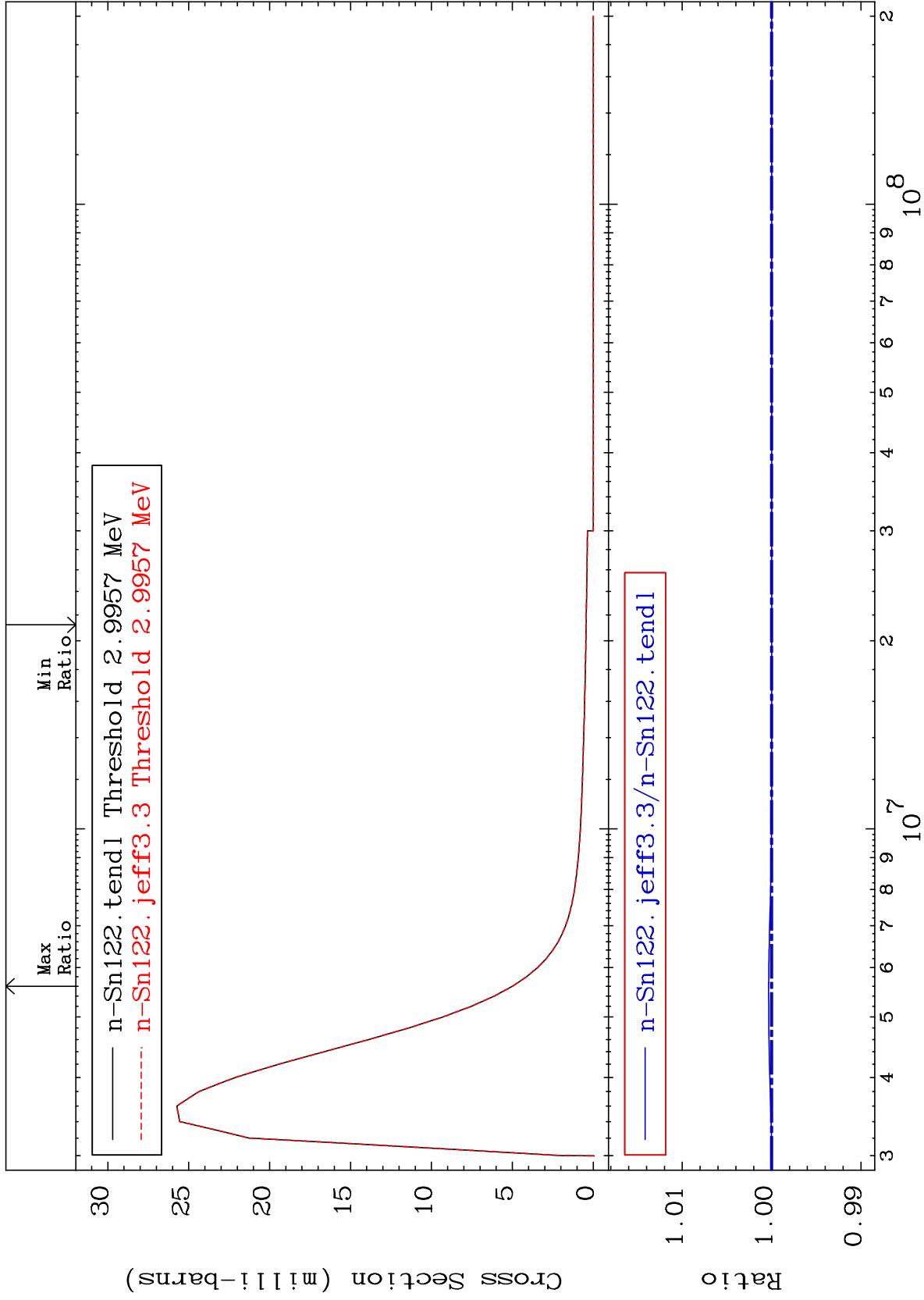
MT= 77 (n,n') Level

50-Sn-122

Cross Section

0.000

To 0.033 %

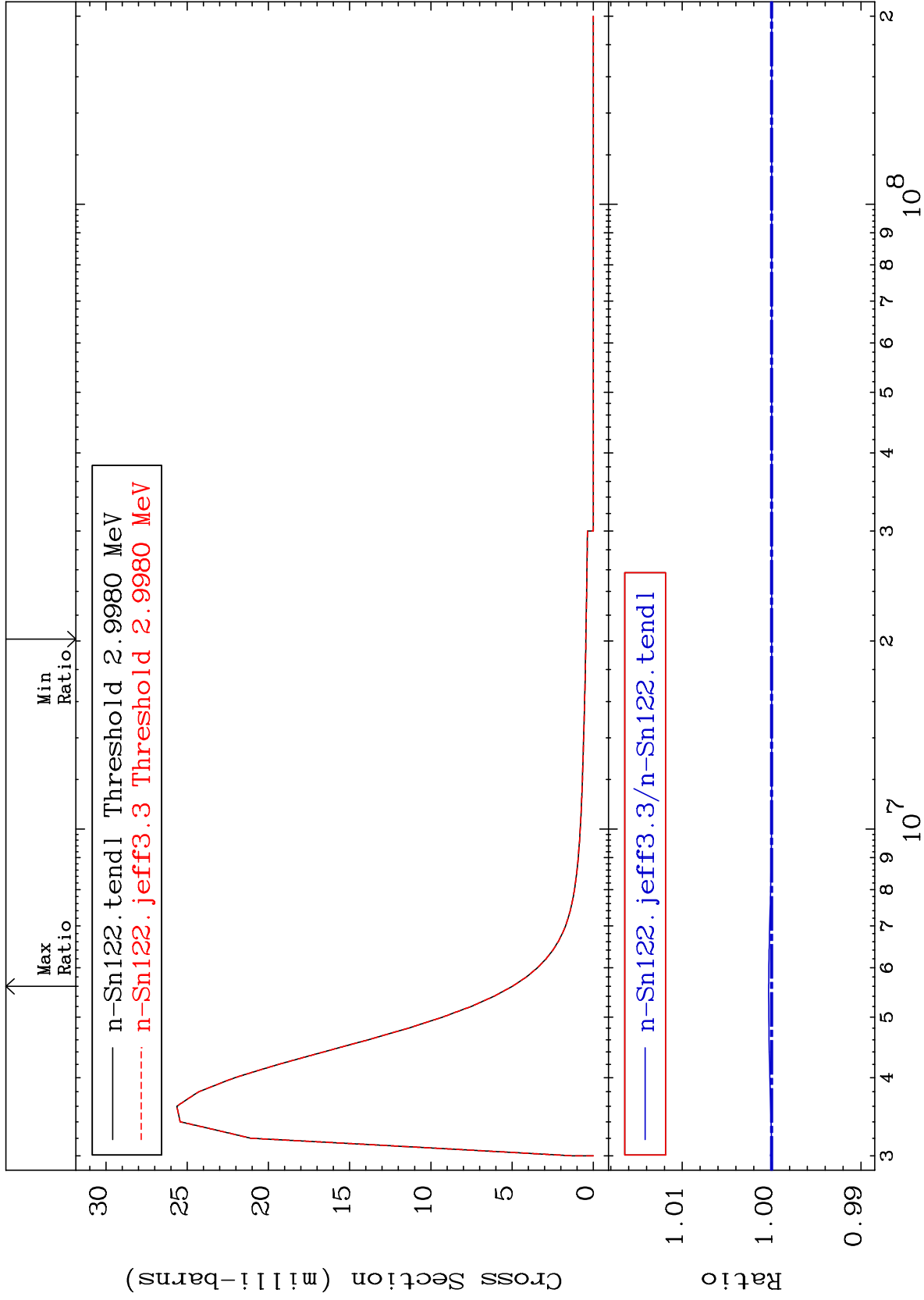


MAT 5055

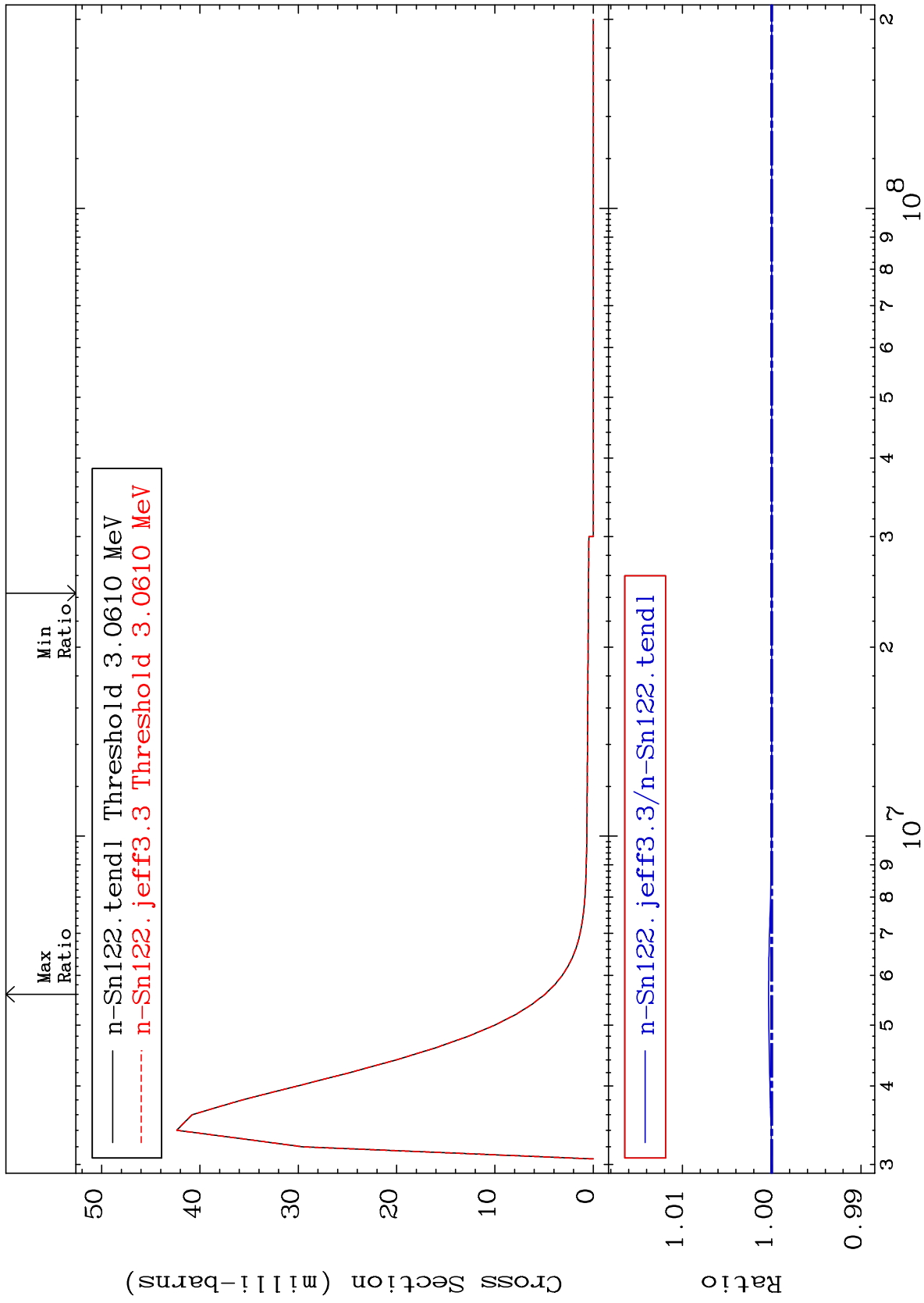
MT= 78 (n,n') Level

50-Sn-122

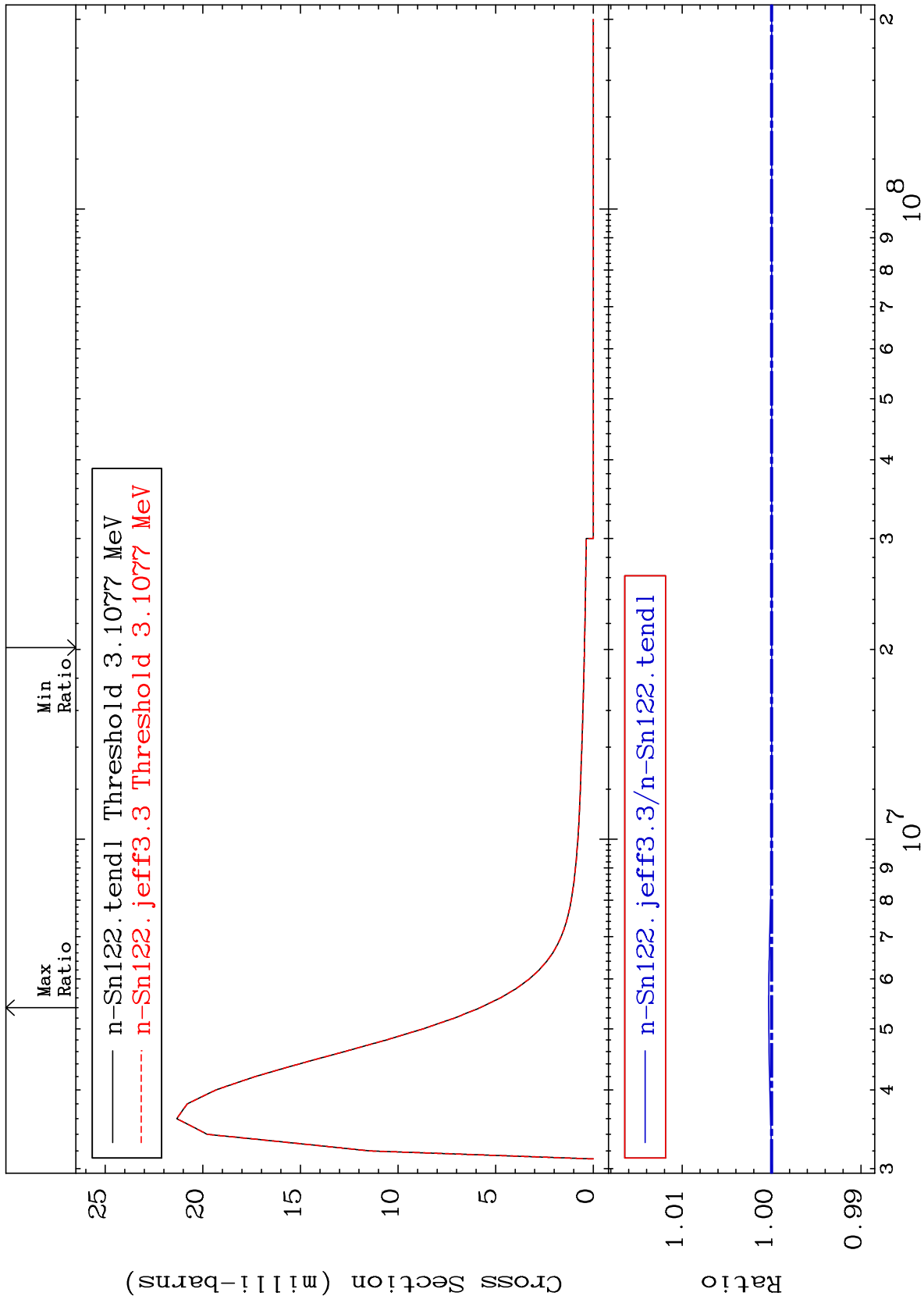
Cross Section  
0.000 To 0.033 %



MAT 5055 MT= 79 (n,n') Level Cross Section 50-Sn-122 To 0.034 %



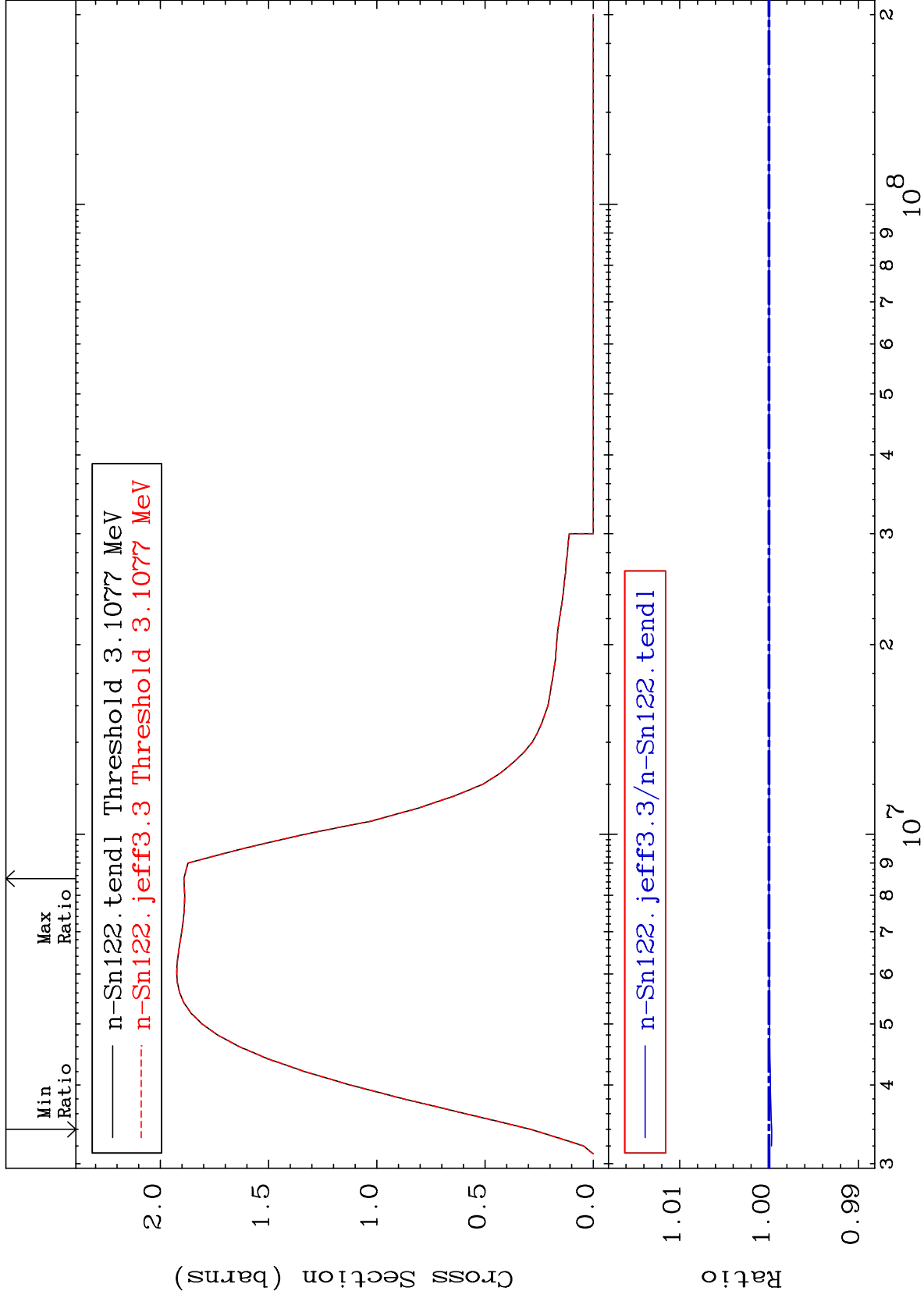
MAT 5055 MT= 80 (n,n') Level Cross Section 50-Sn-122 To 0.033 %



MAT 5055

(n, n') Continuum  
Cross Section

50-Sn-122  
-0.029 To 0.004 %

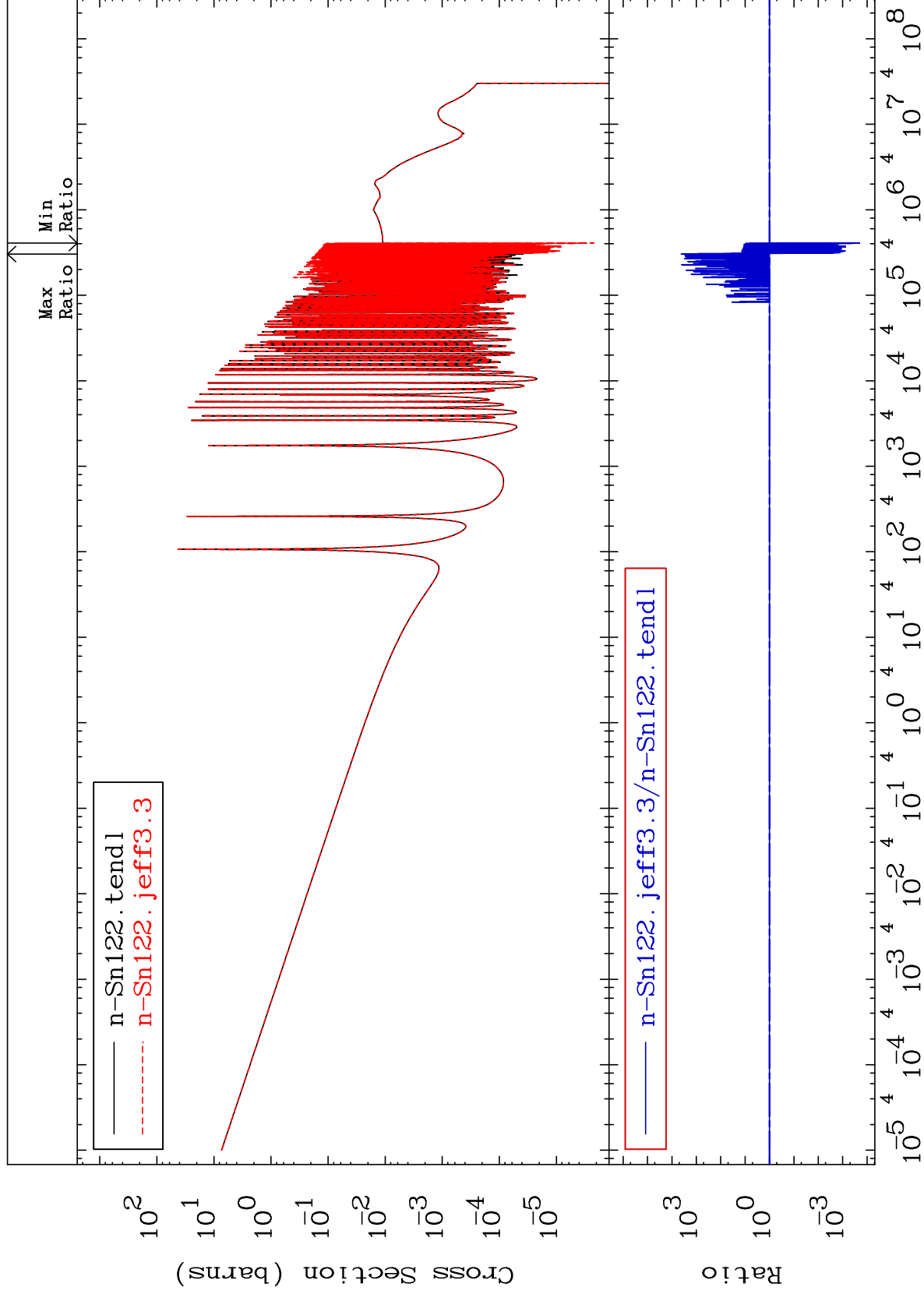


MAT 5055

(n,  $\gamma$ )

Cross Section

50-Sn-122  
-99.98 To 9999. %



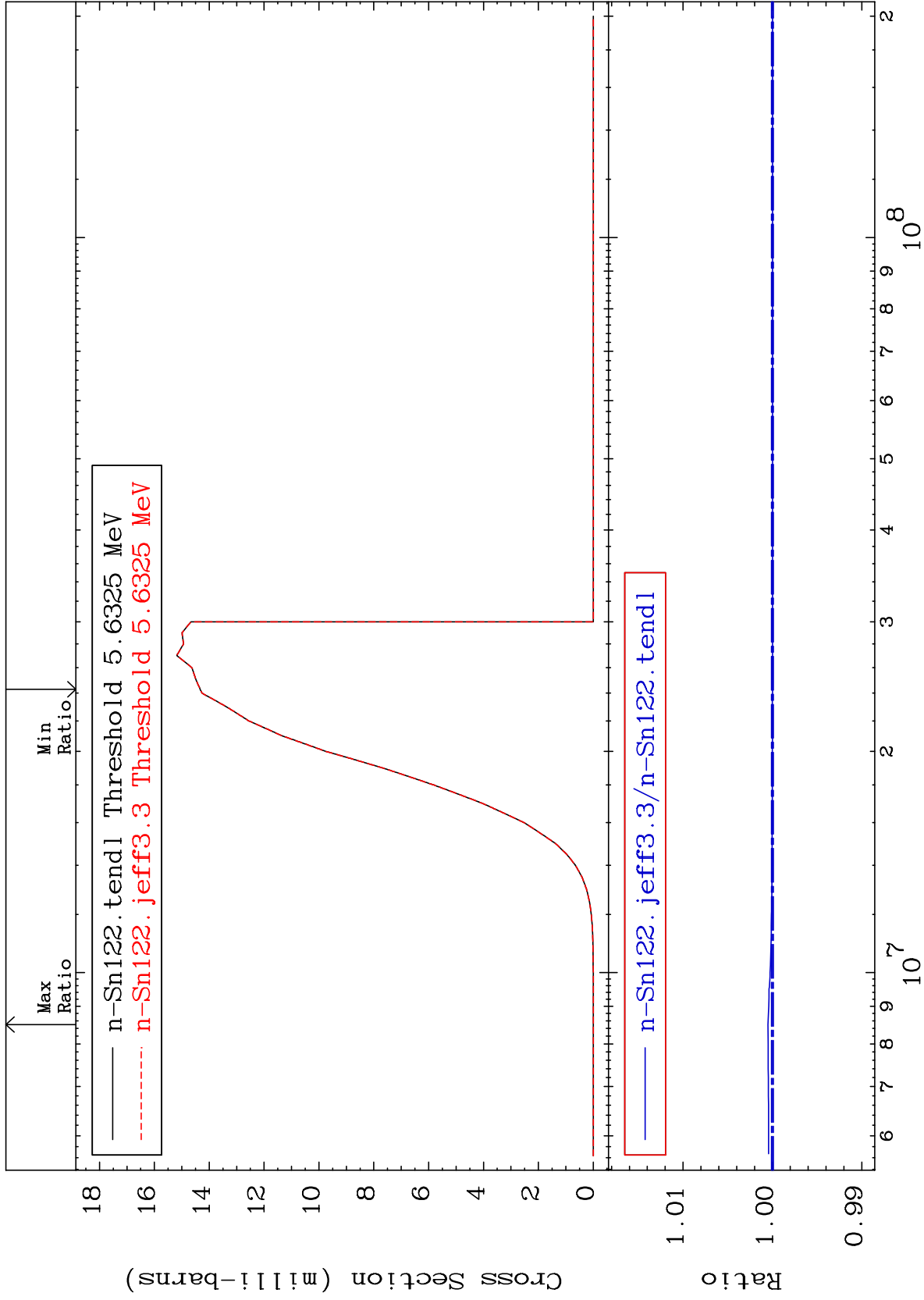
47

Incident Energy (eV)

50-Sn-122

MAT 5055

(n,p)  
Cross Section  
50-Sn-122  
To 0.051 %





MAT 5055

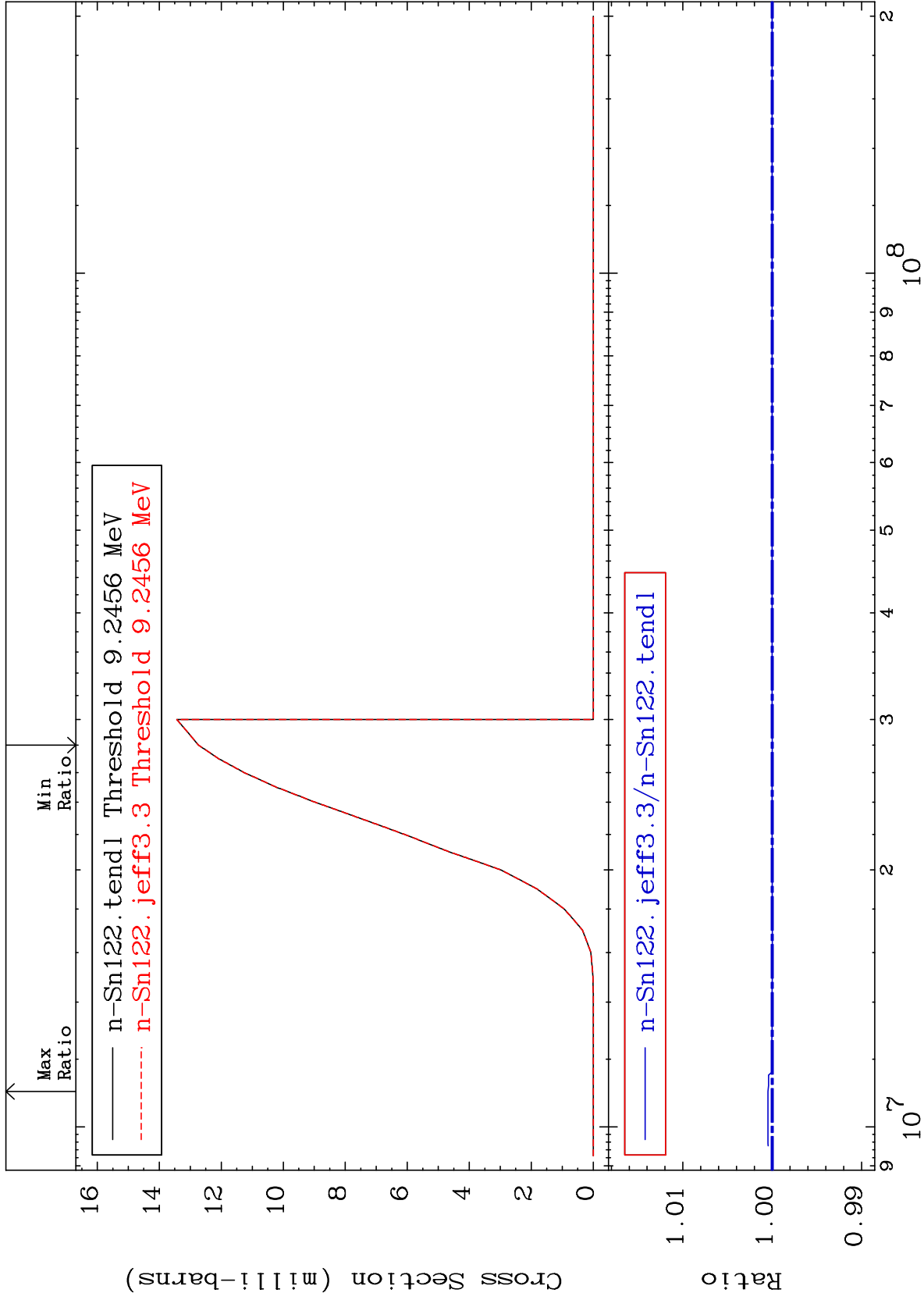
(n, d)

50-Sn-122

Cross Section

0.000

To 0.047 %



49

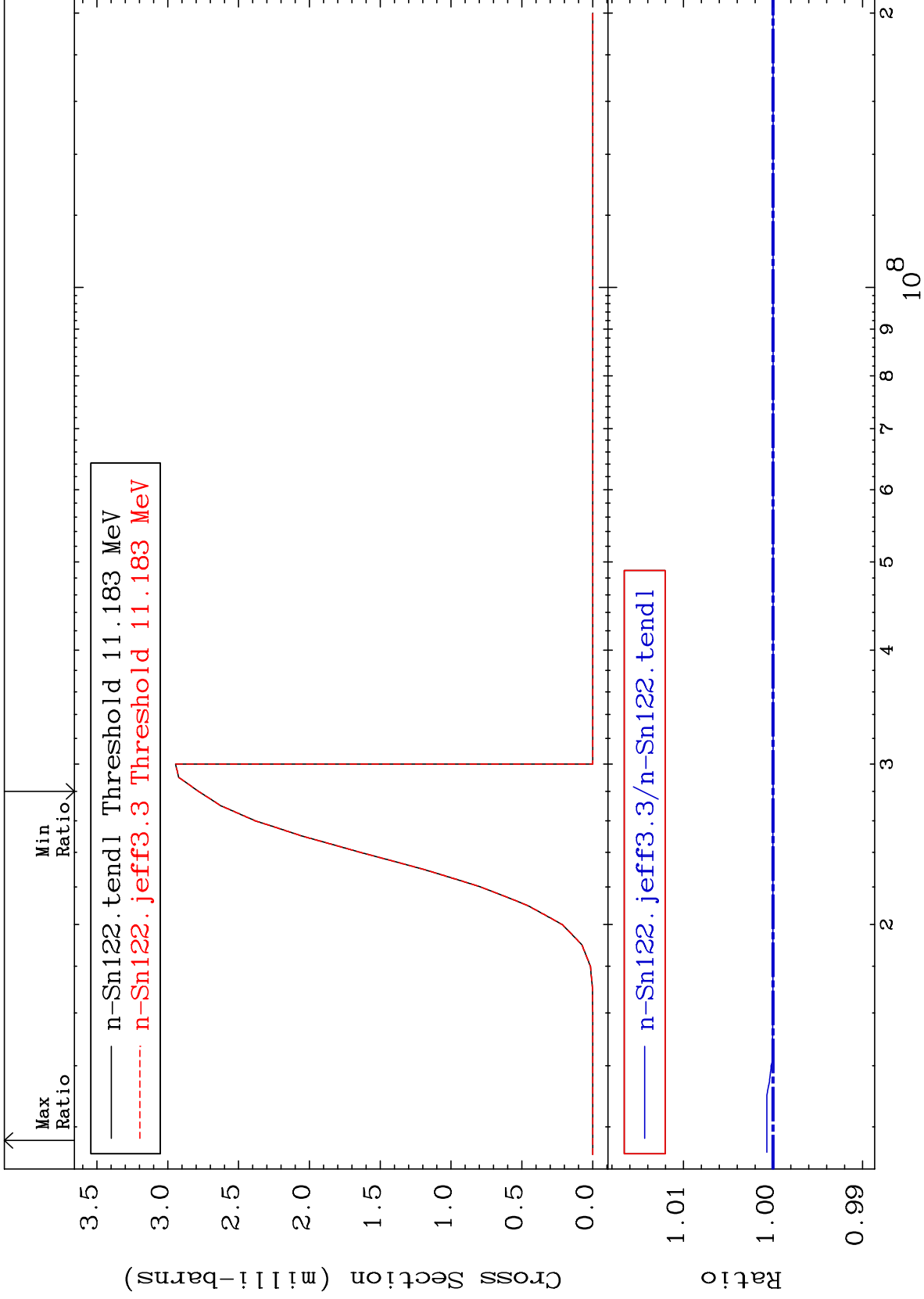
Incident Energy (eV)

50-Sn-122

MAT 5055

(n, t)  
Cross Section

50-Sn-122  
To 0.070 %



50

Incident Energy (eV)

50-Sn-122

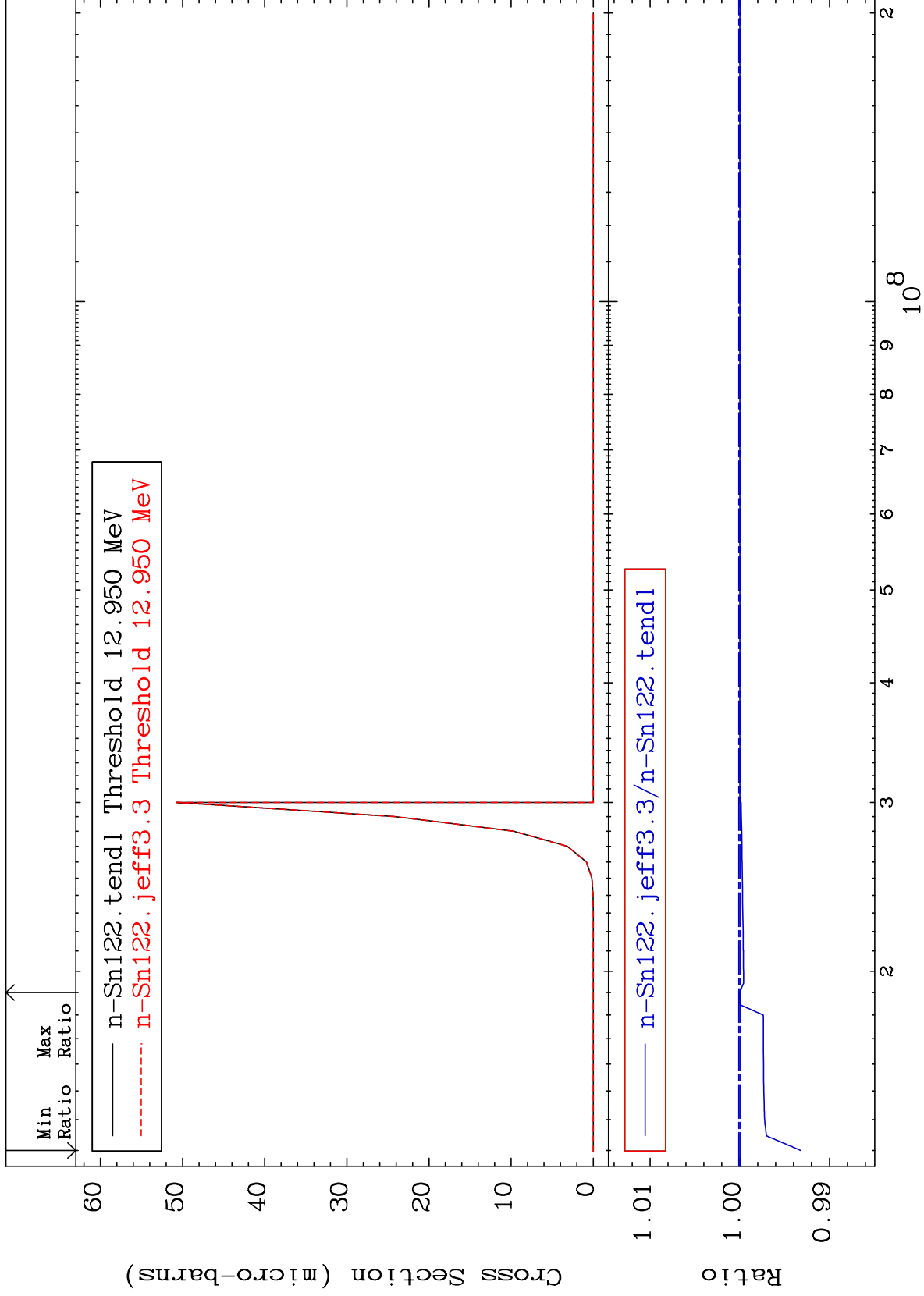
MAT 5055

(n, He-3)

50-Sn-122

Cross Section

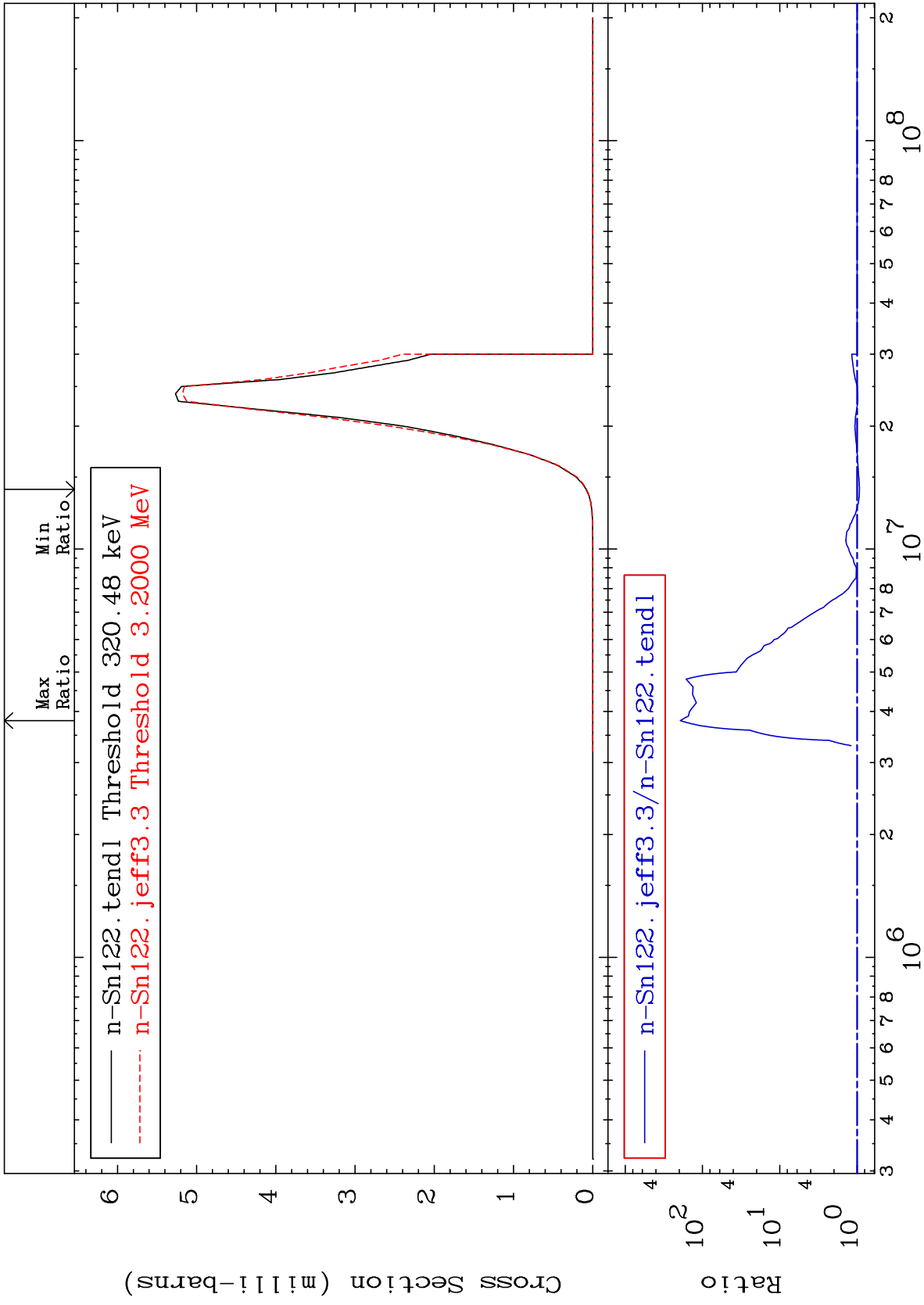
-0.679 To 0.000 %



MAT 5055

50-Sn-122  
-6.508 To 9999. %

(n,  $\alpha$ )  
Cross Section



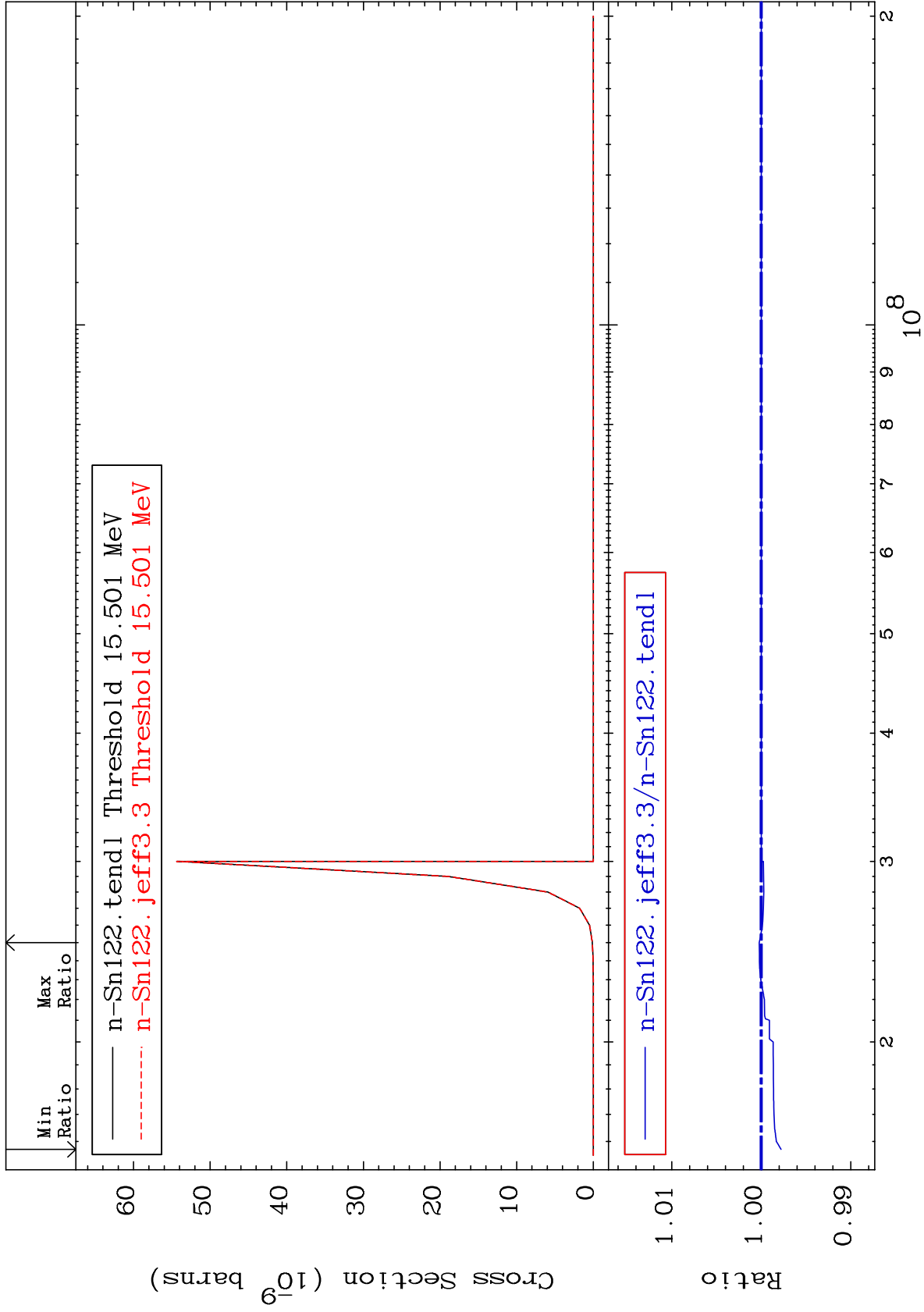
MAT 5055

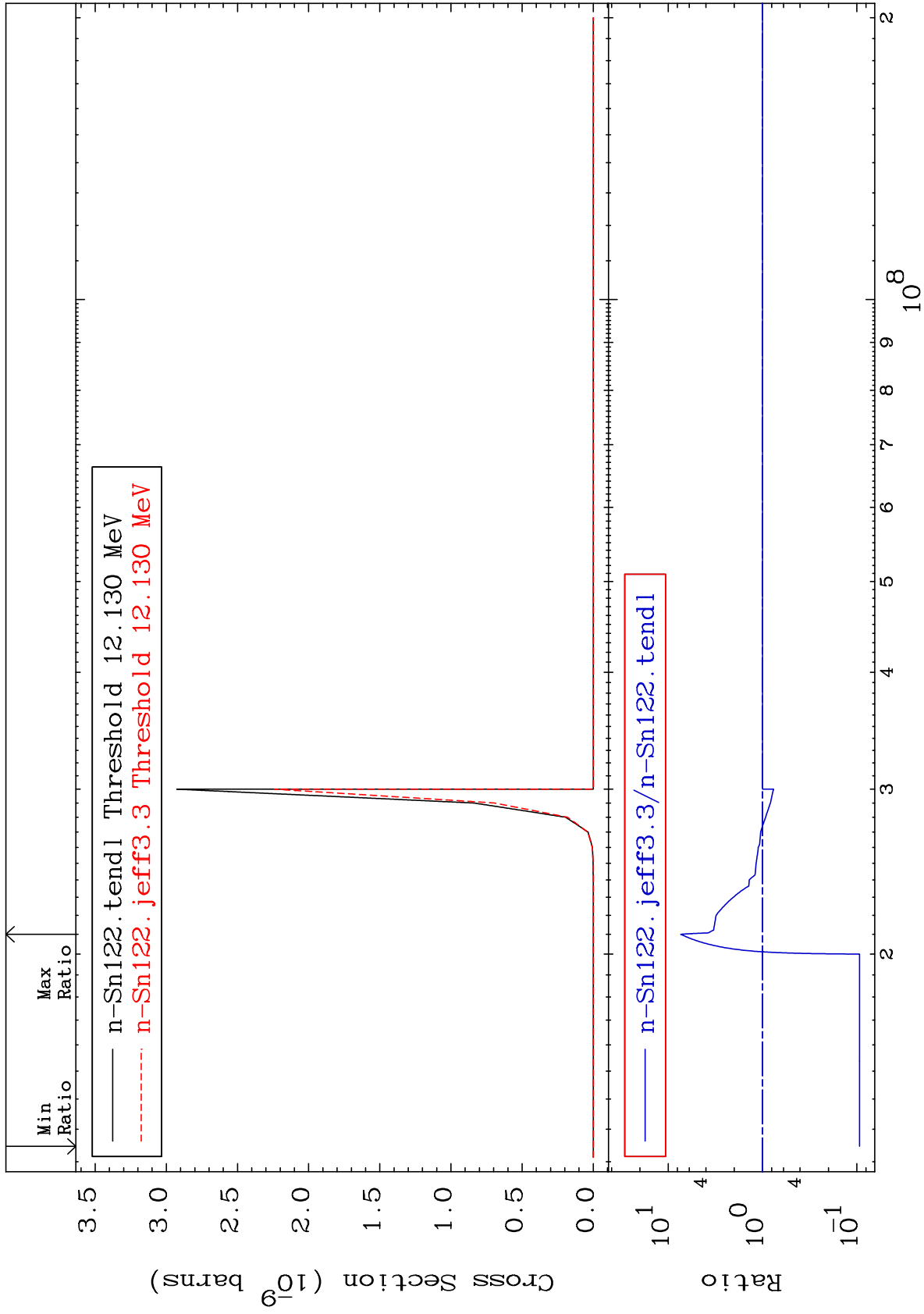
(n,2p)

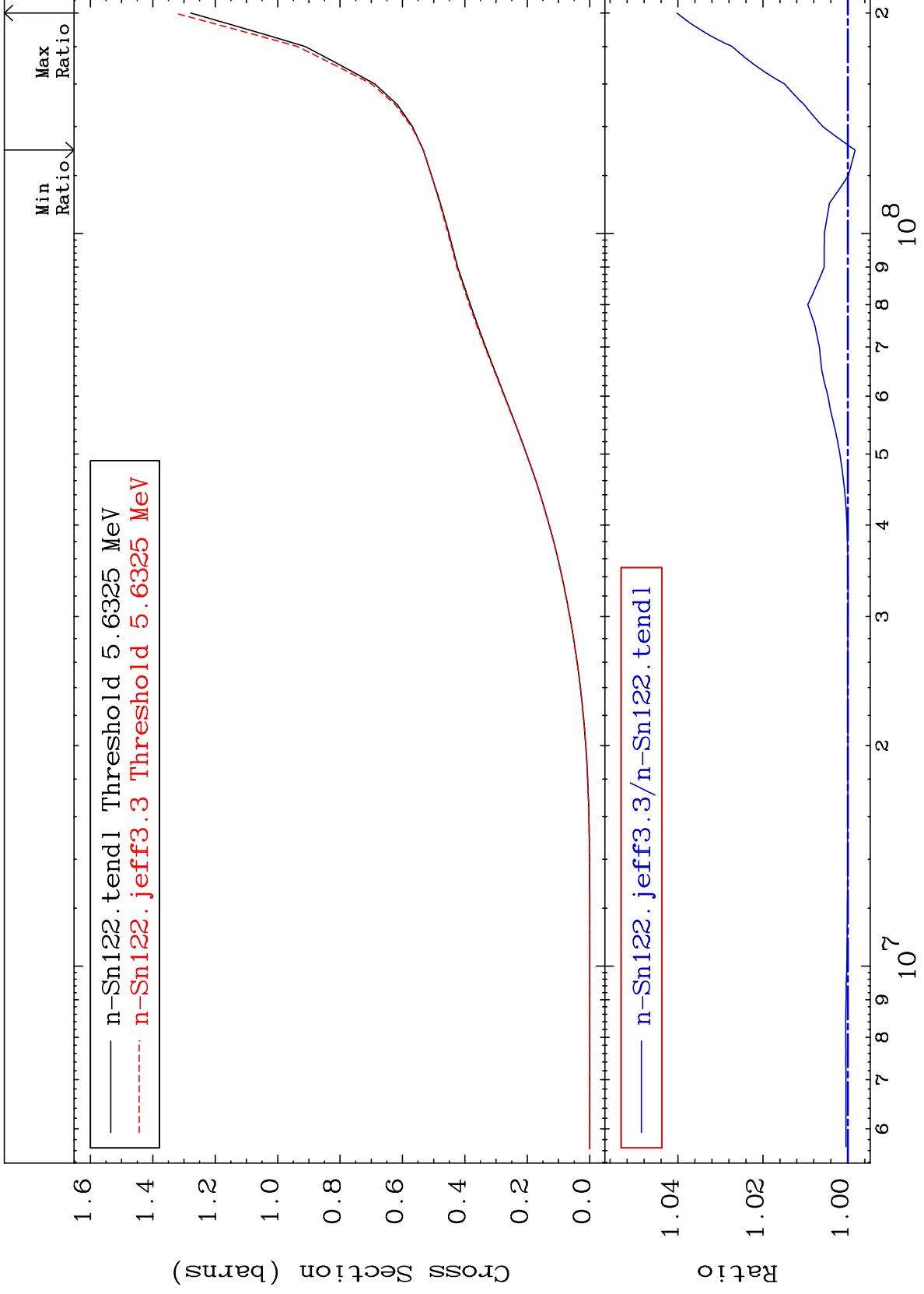
50-Sn-122

Cross Section

-0.221 To 0.022 %



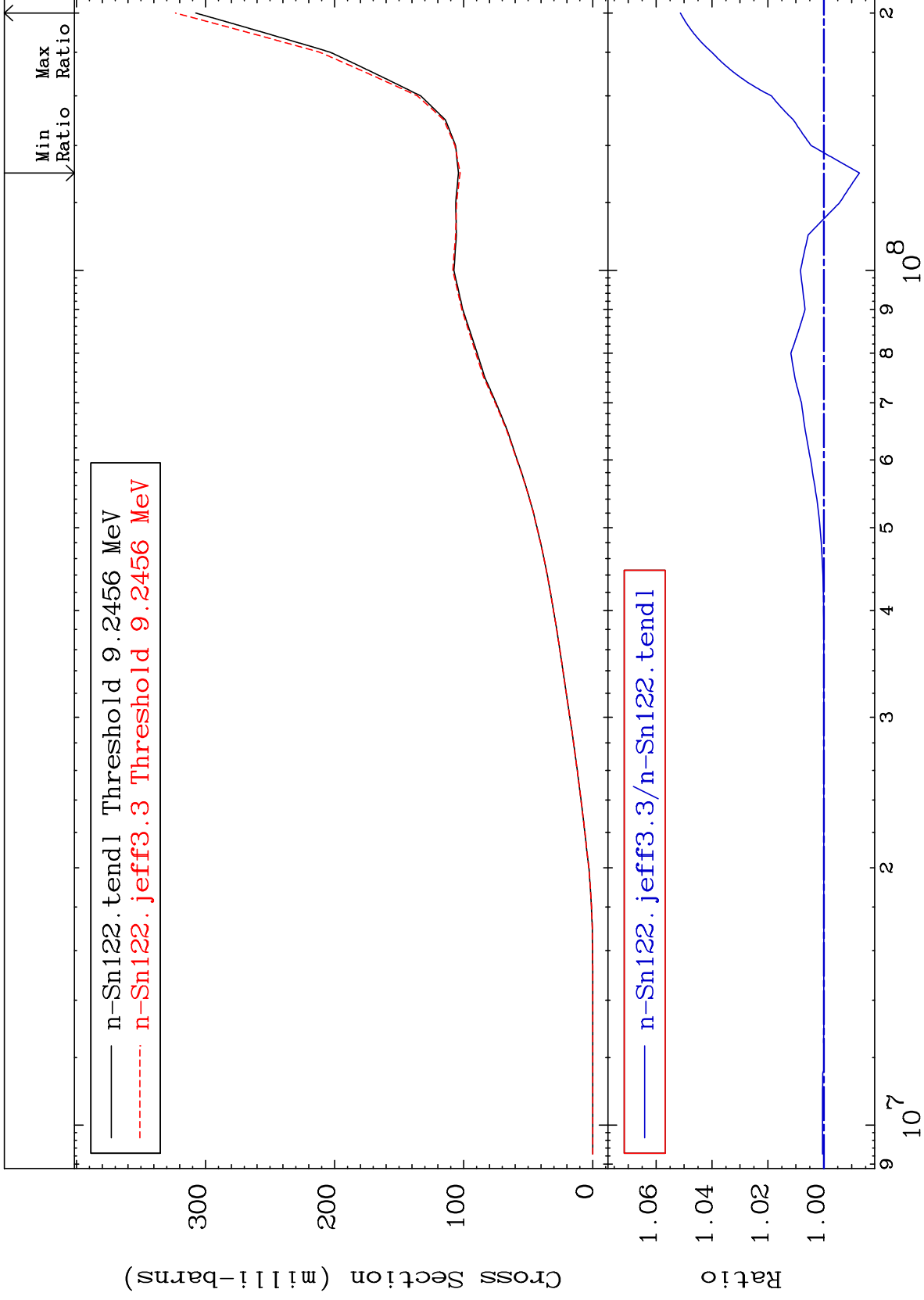




MAT 5055

Deuterium Production  
Cross Section

50-Sn-122  
-1.273 To 5.133 %



56

Incident Energy (eV)

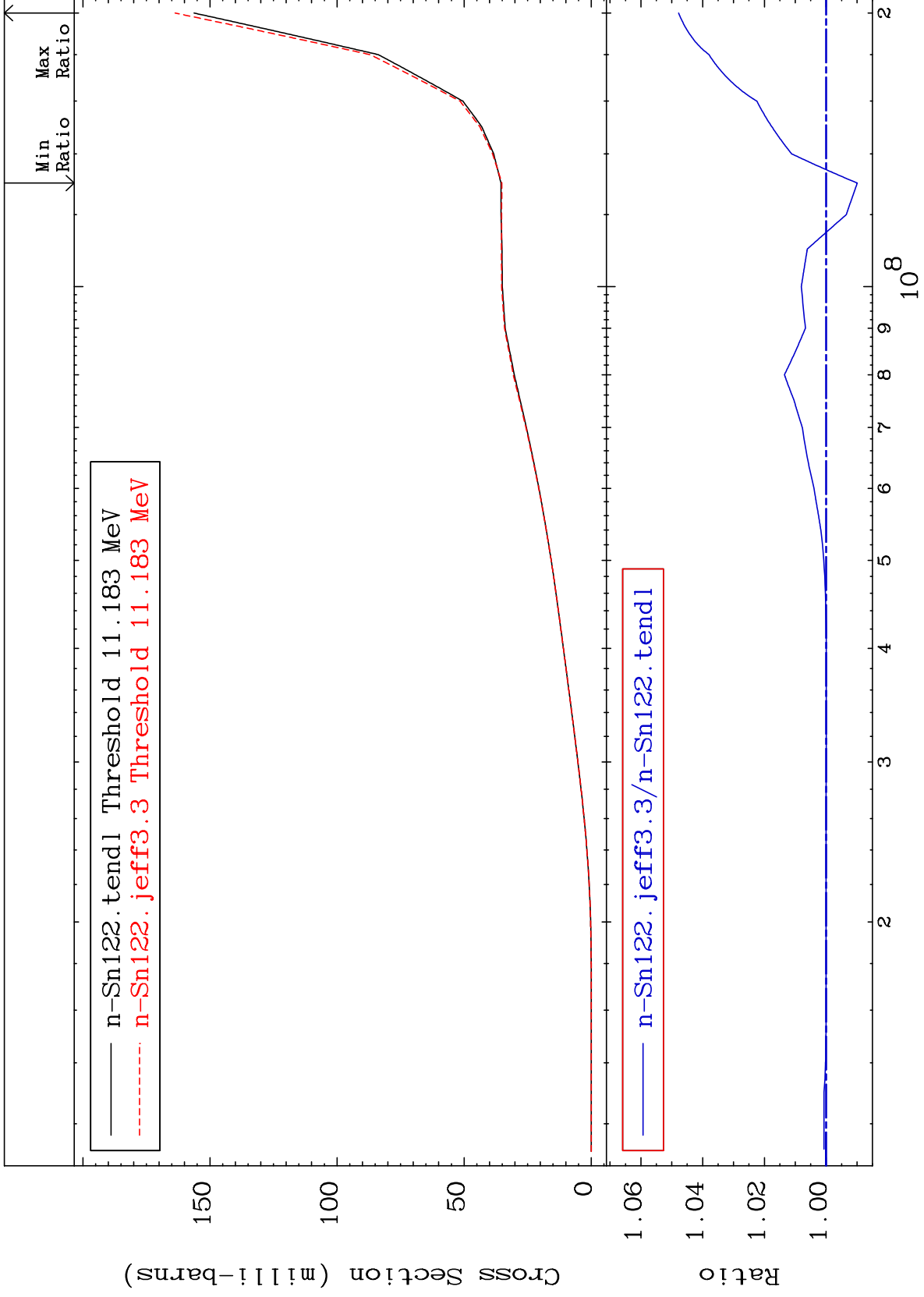
50-Sn-122



MAT 5055

Tritium Production  
Cross Section

50-Sn-122  
-1.008 To 4.778 %

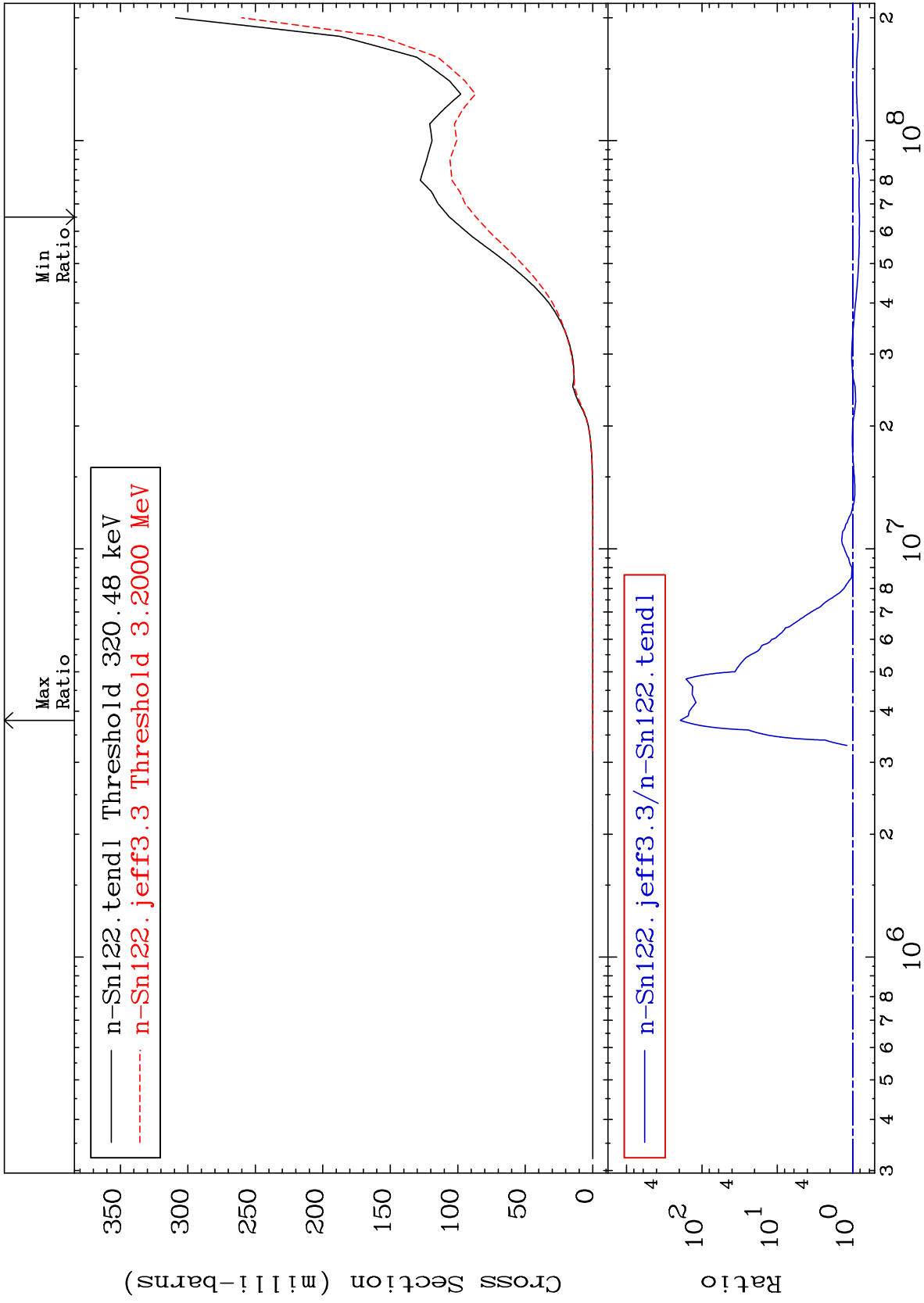




MAT 5055

He-4 Production  
Cross Section

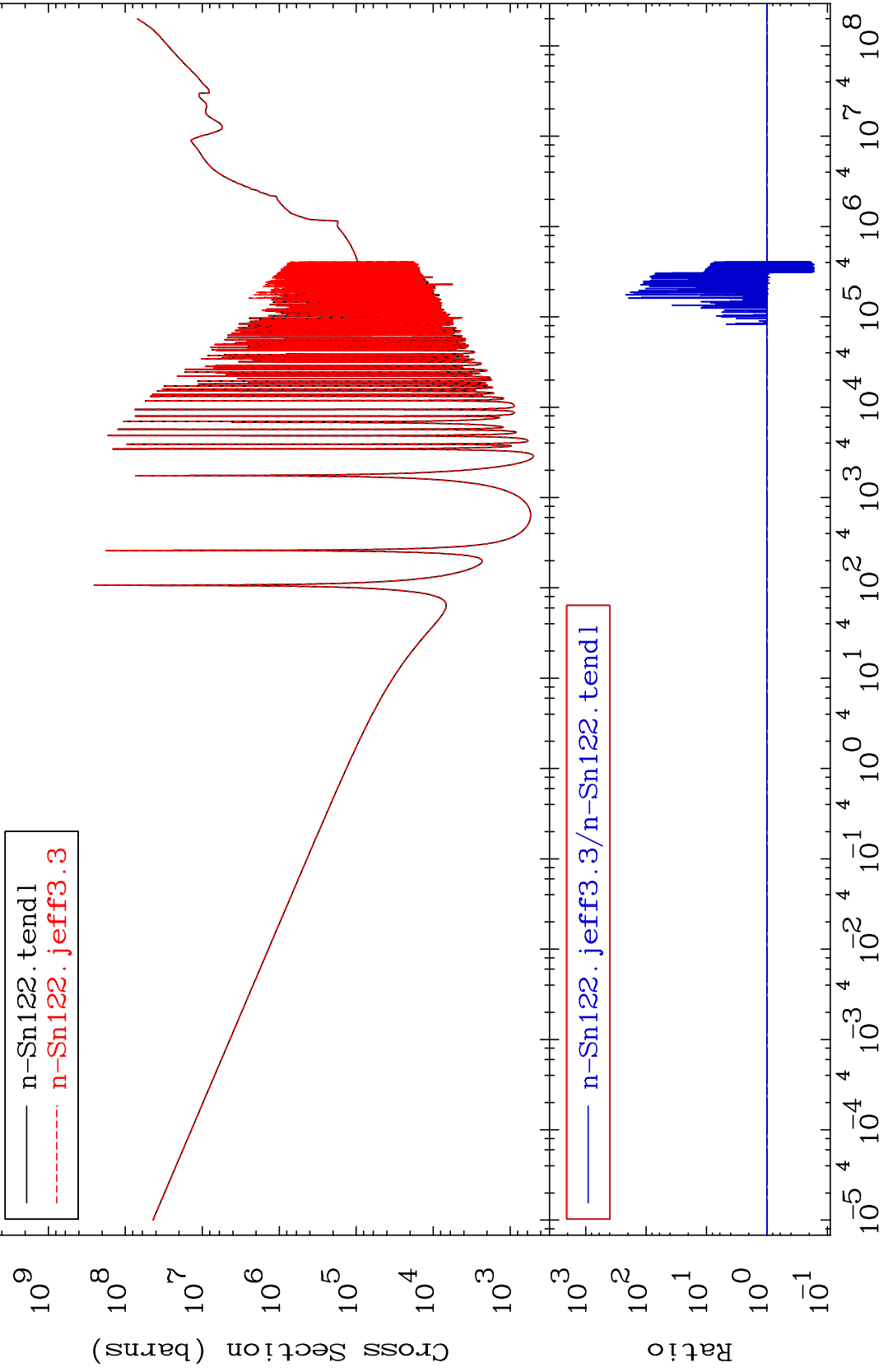
50-Sn-122  
-18.54 To 9999. %



MAT 5055

Kerma total (eV-barns)  
Cross Section

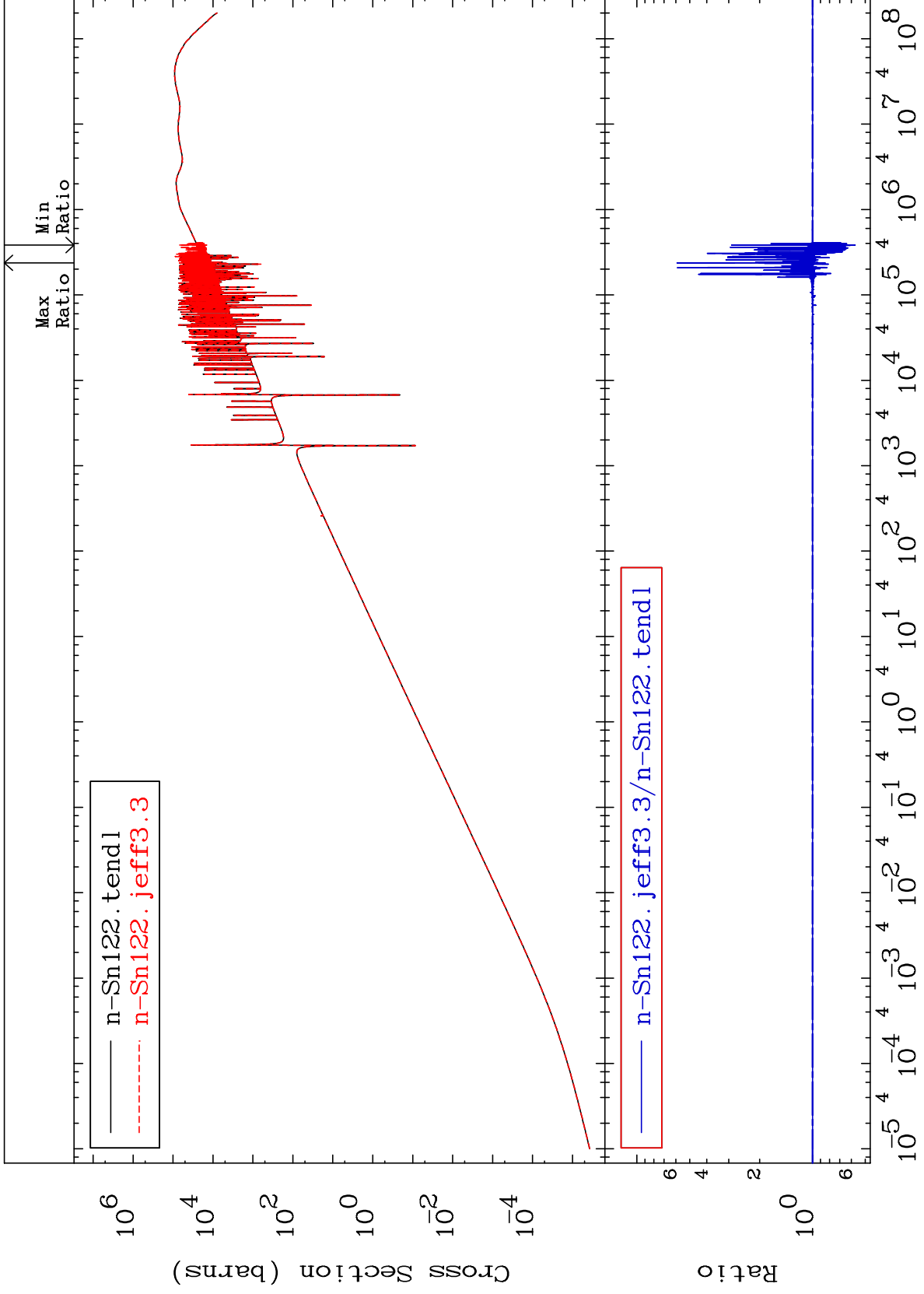
50-Sn-122  
-83.53 To 9999. %



MAT 5055

Kerma elastic  
Cross Section

50-Sn-122  
-42.82 To 491.2 %



61

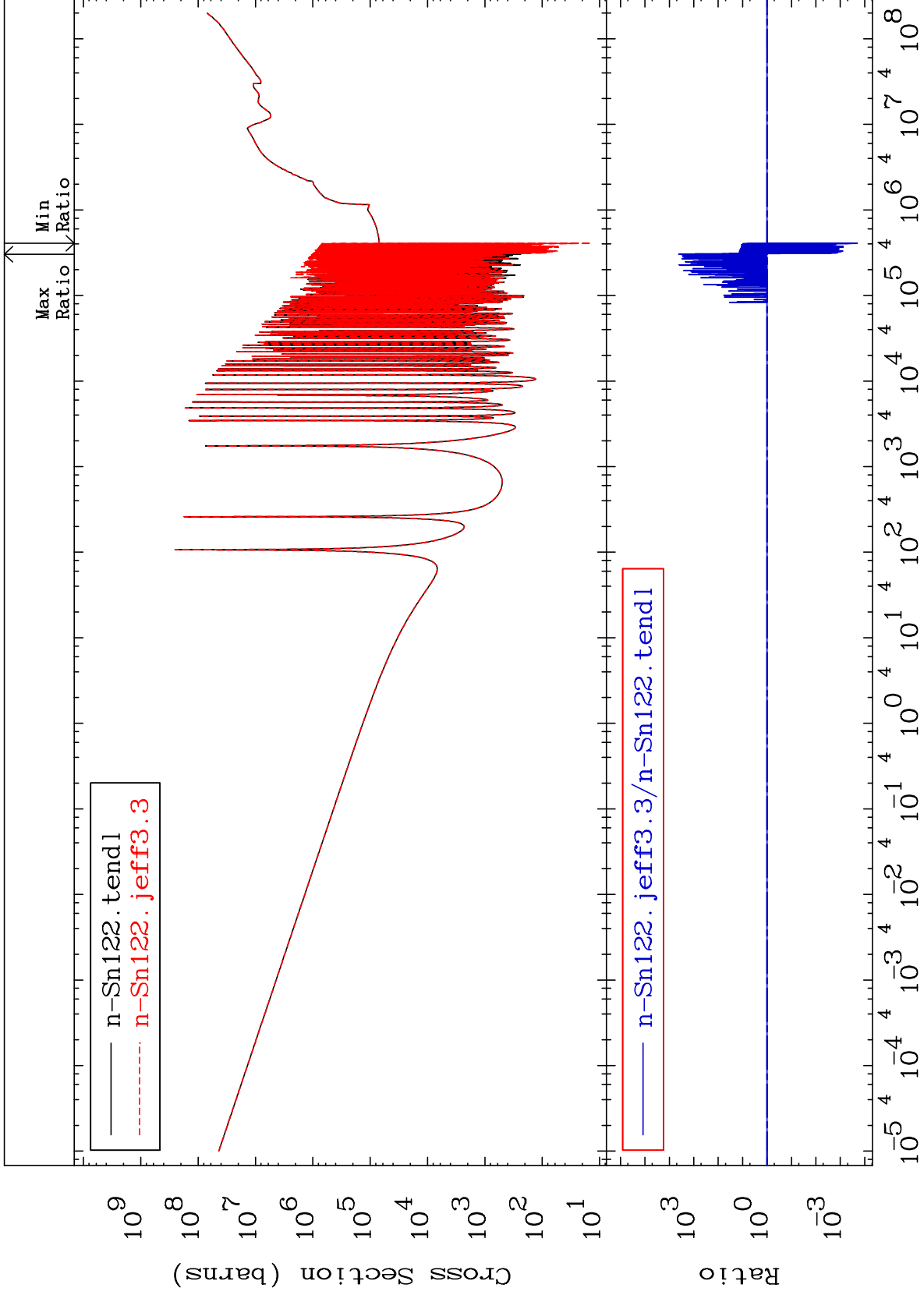
Incident Energy (eV)

50-Sn-122

MAT 5055

Kerma non-elastic (all but mt2)  
Cross Section

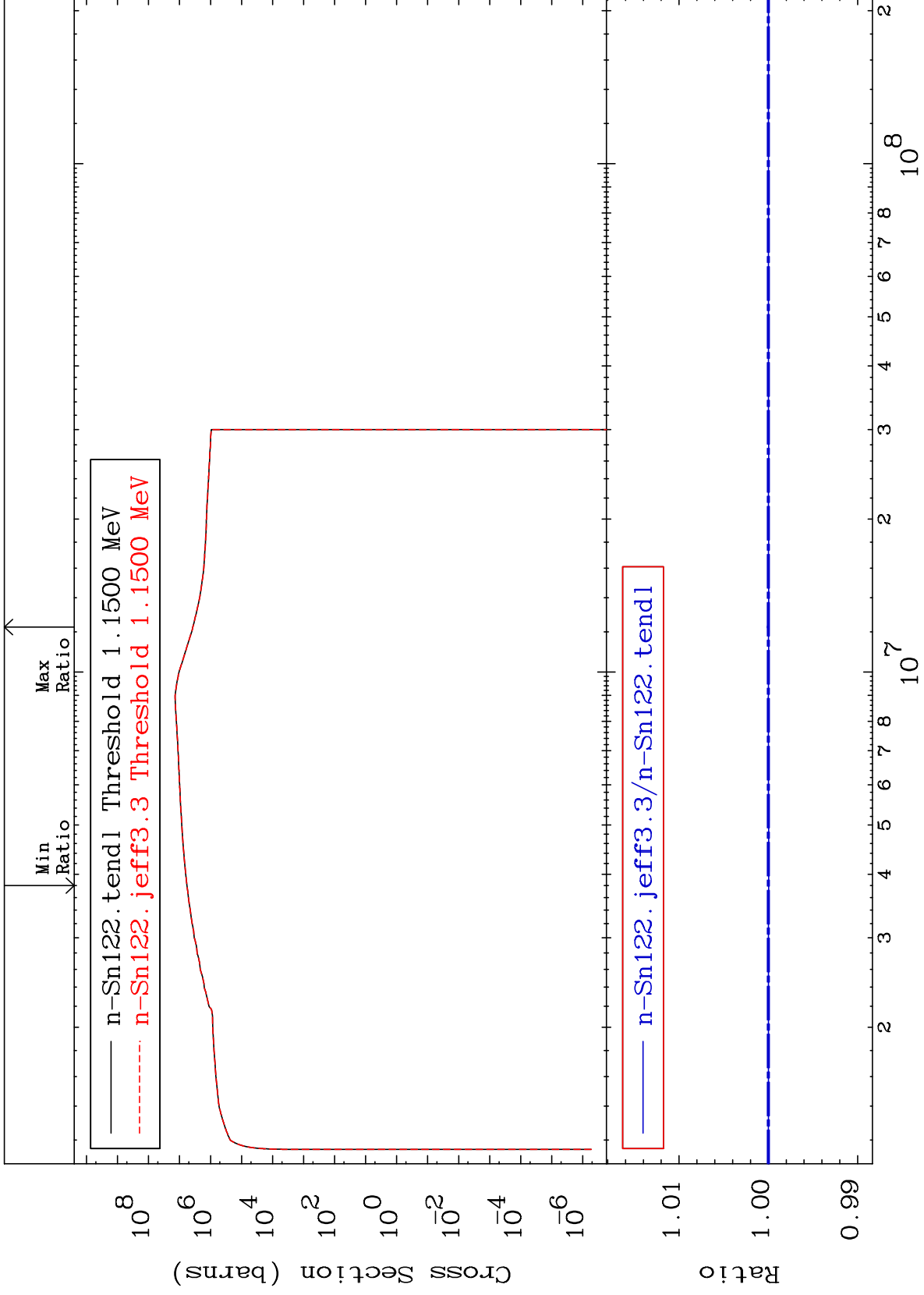
50-Sn-122  
-99.98 To 9999. %



MAT 5055

Kerma inelastic (mt51-91)  
Cross Section

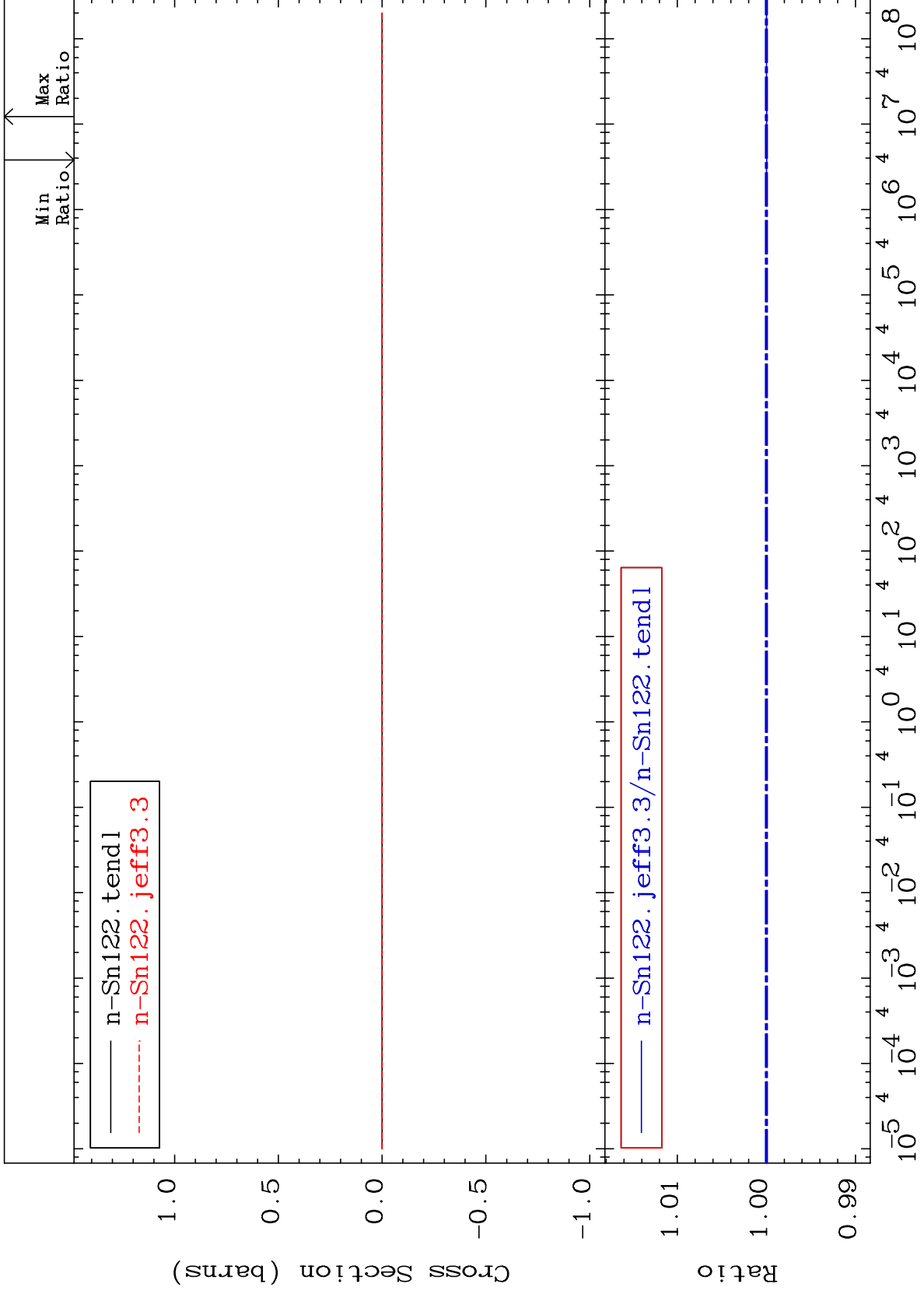
50-Sn-122  
-0.004 To 0.013 %



MAT 5055

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

50-Sn-122  
-0.004 To 0.013 %

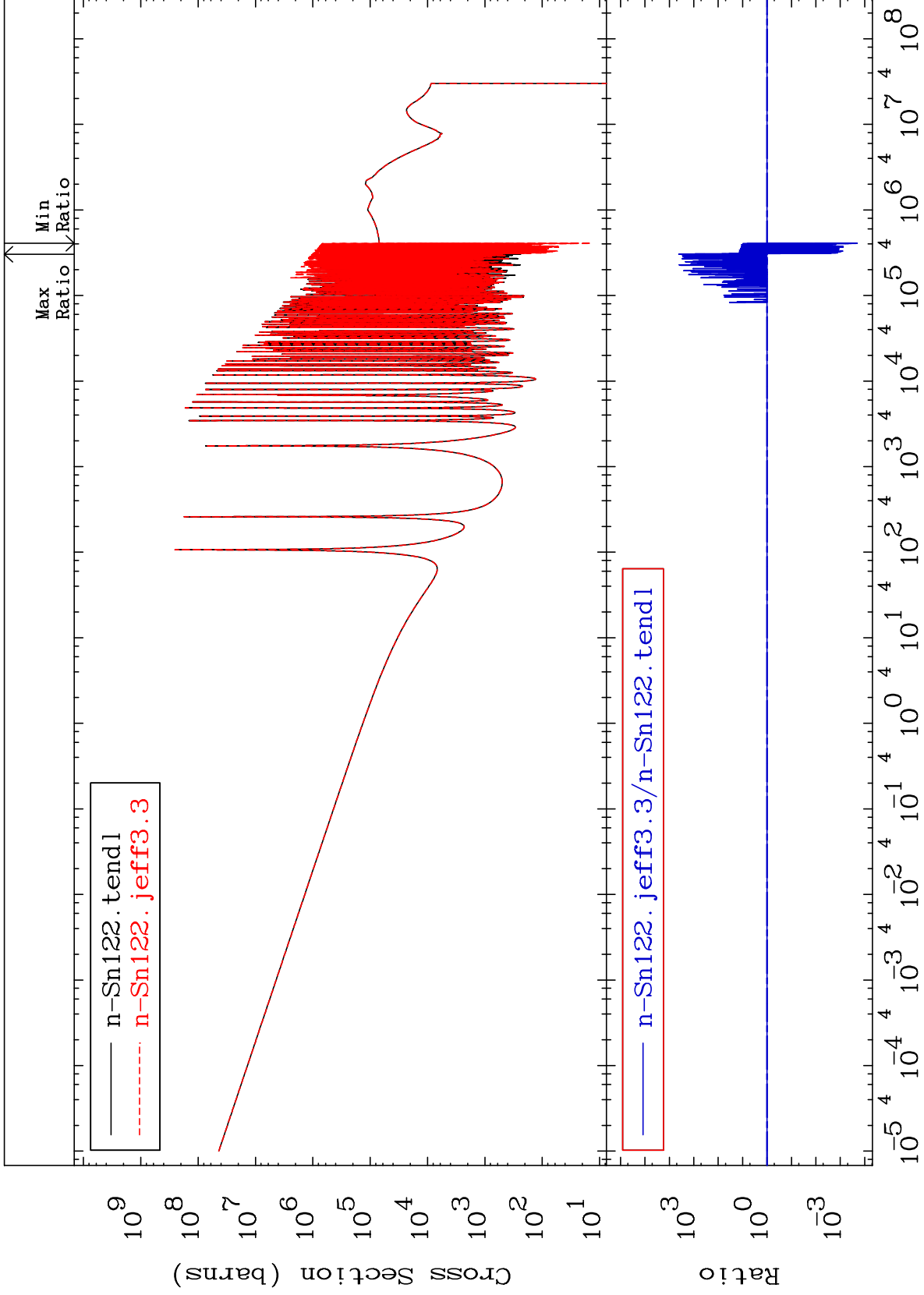




MAT 5055

Kerma capture (mt102)  
Cross Section

50-Sn-122  
-99.98 To 9999. %



65

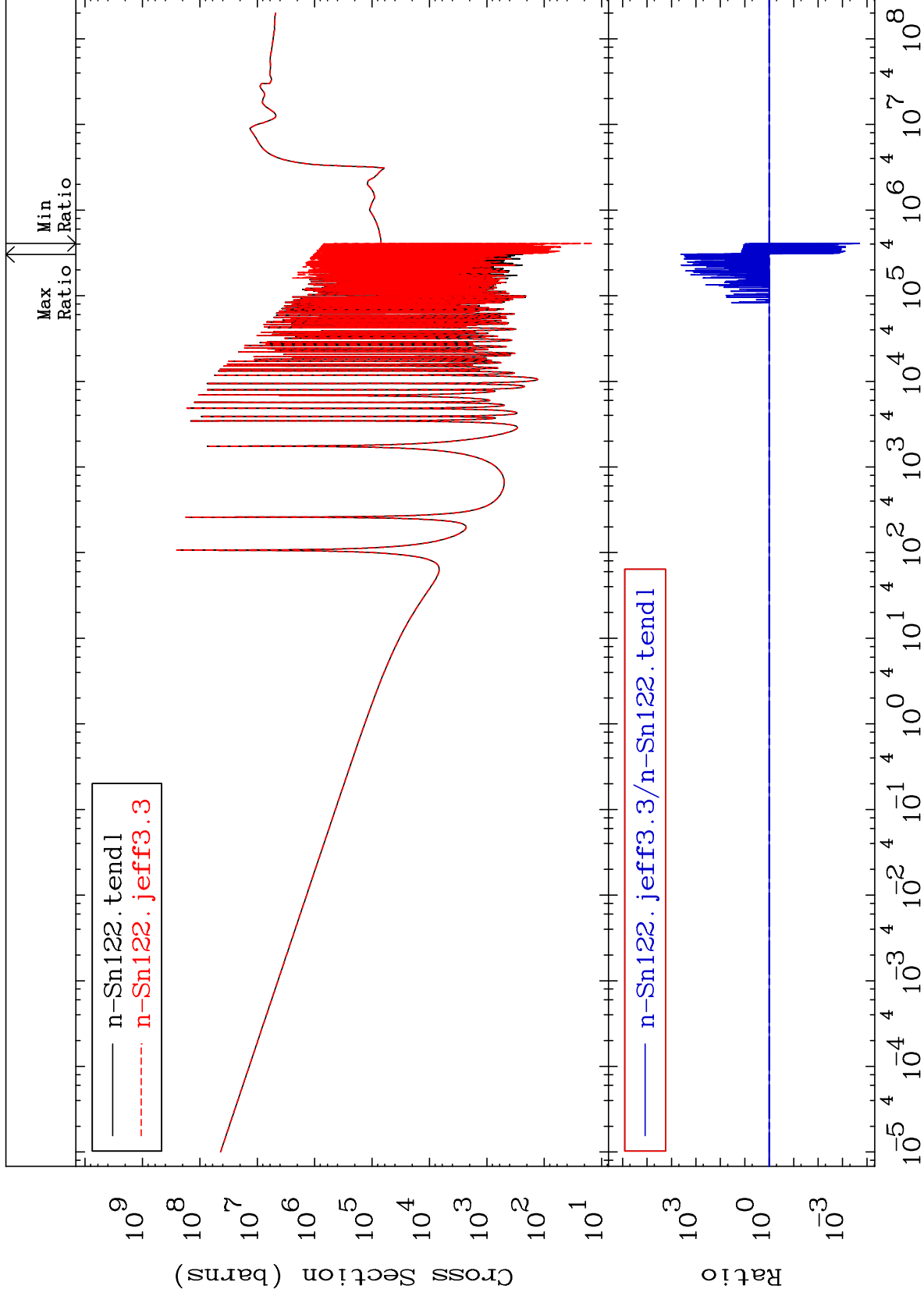
Incident Energy (eV)

50-Sn-122

MAT 5055

Total photon (eV-barns)  
Cross Section

50-Sn-122  
-99.98 To 9999. %



66

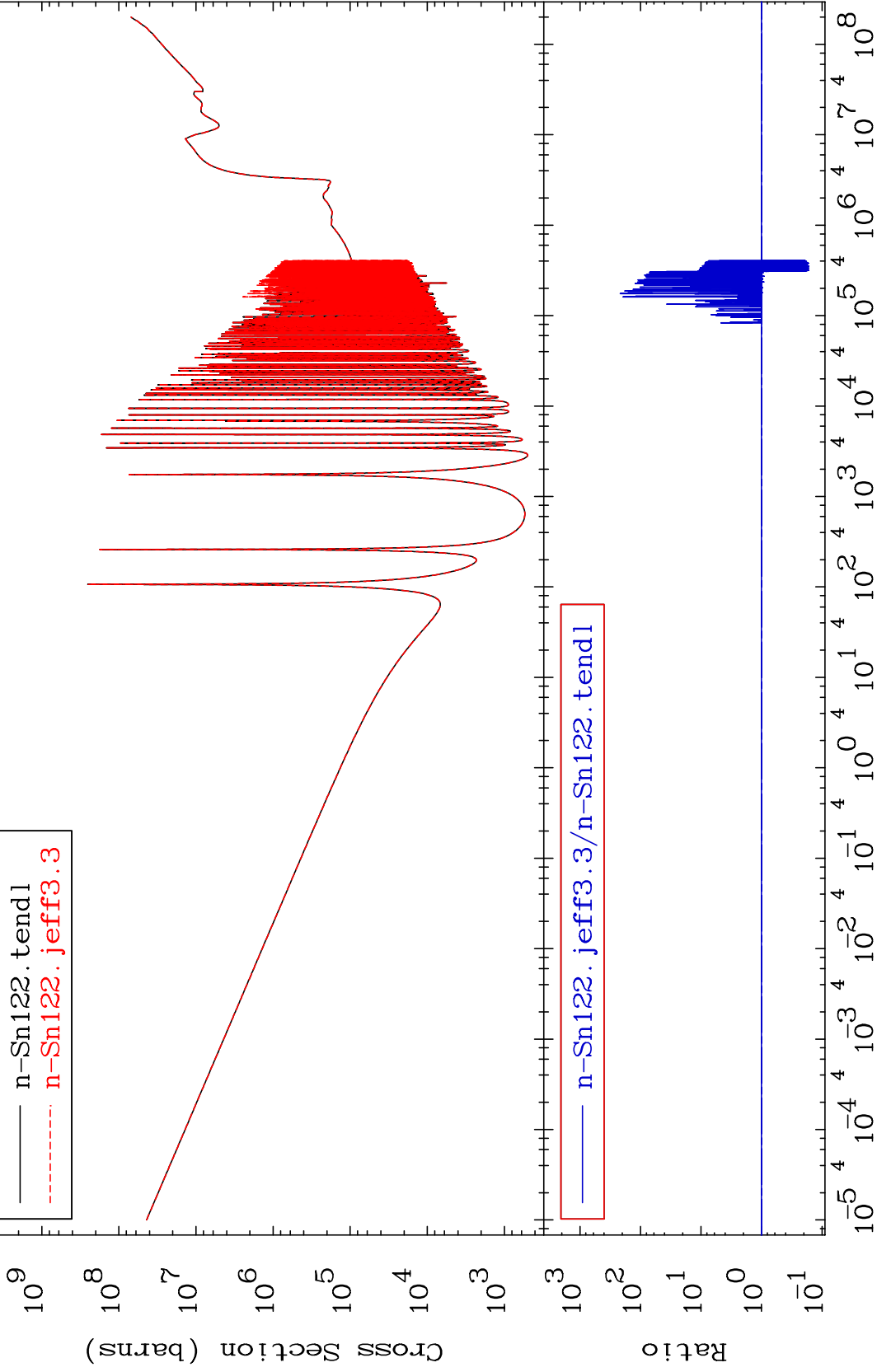
Incident Energy (eV)

50-Sn-122

MAT 5055

Total kinematic kerma (high limit)  
Cross Section

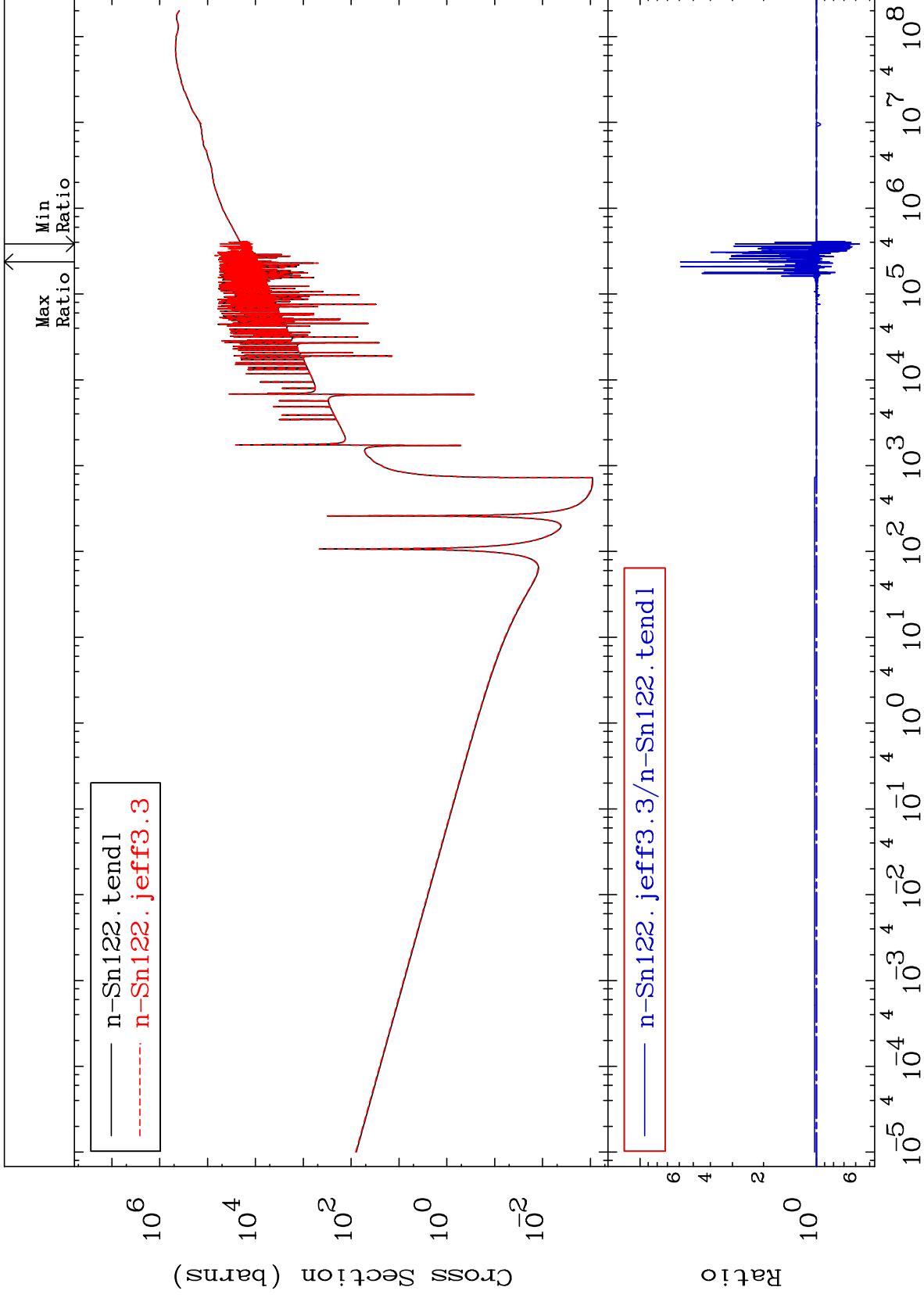
50-Sn-122  
-83.53 To 9999. %



MAT 5055

Dpa total (eV-barns)  
Cross Section

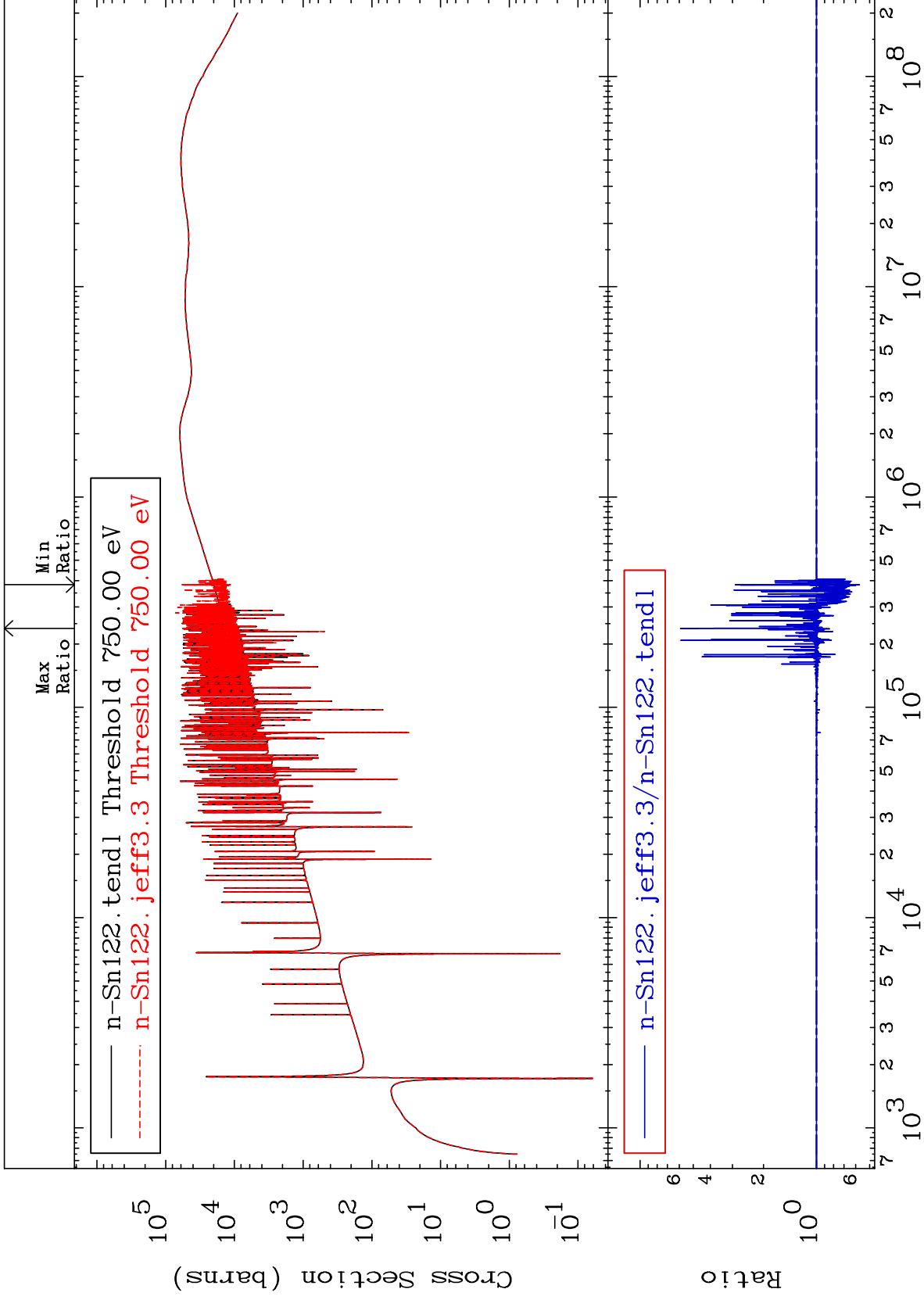
50-Sn-122  
-42.83 To 491.2 %



MAT 5055

Dpa elastic (mt2)  
Cross Section

50-Sn-122  
-42.83 To 491.2 %



69

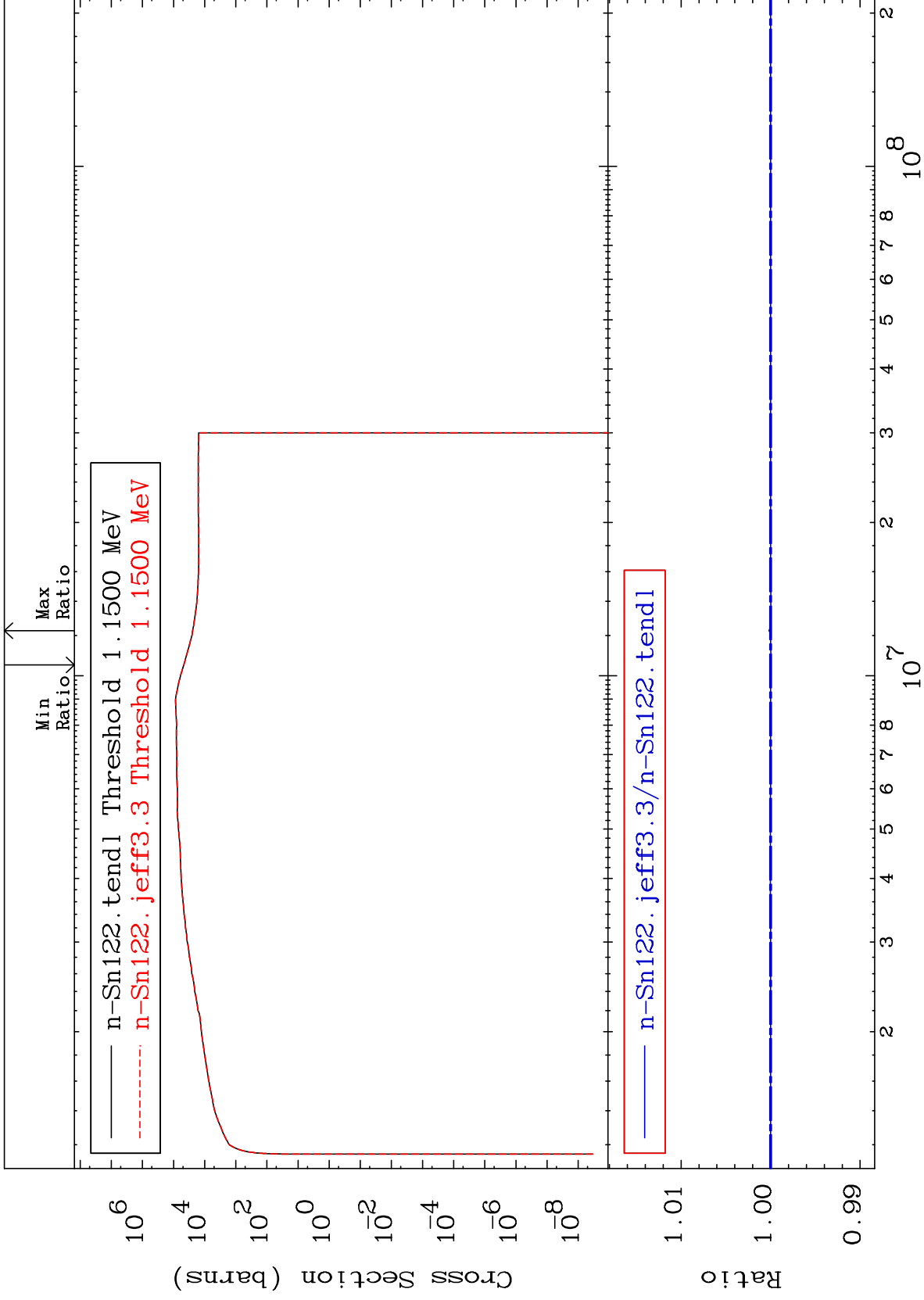
Incident Energy (eV)

50-Sn-122

MAT 5055

Dpa inelastic (mt51-91)  
Cross Section

50-Sn-122  
-0.002 To 0.018 %



70

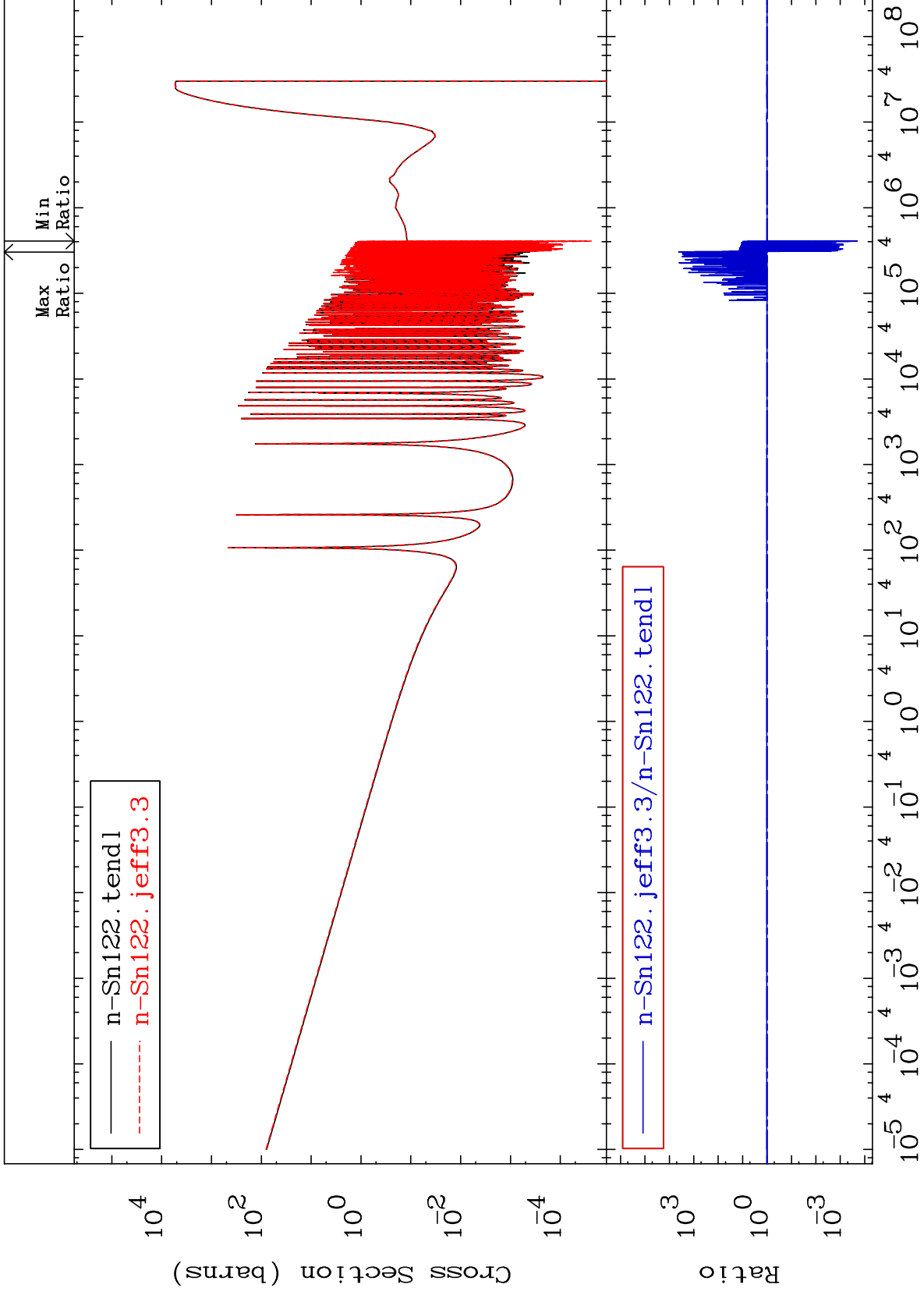
Incident Energy (eV)

50-Sn-122

MAT 5055

Dpa disappearance (mt102 -120)  
Cross Section

50-Sn-122  
-99.98 To 9999. %



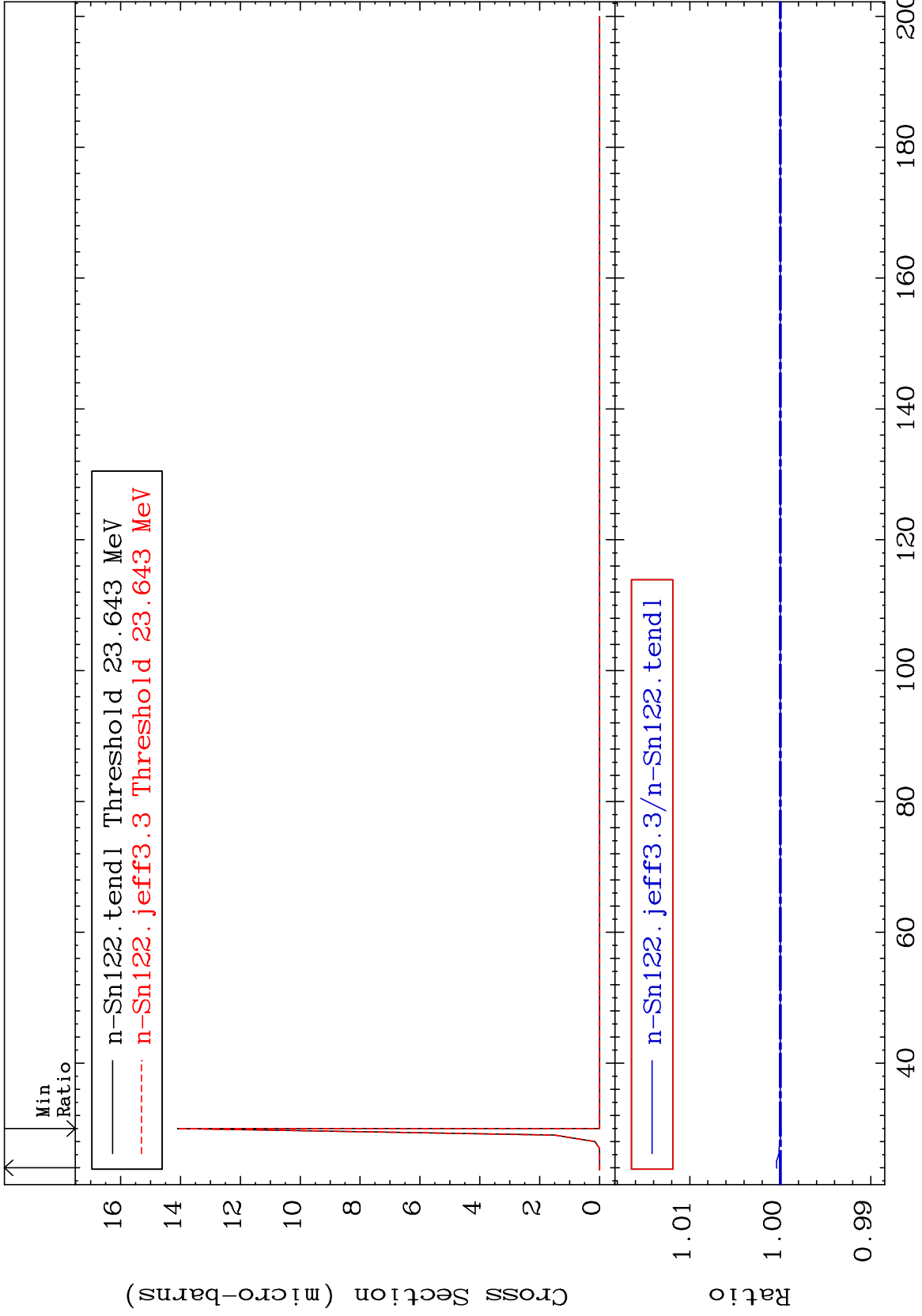
MAT 5055

(n,2n) d:49-In-119g

50-Sn-122

Radionuclide Production Cross Section

-0.009 To 0.042 %





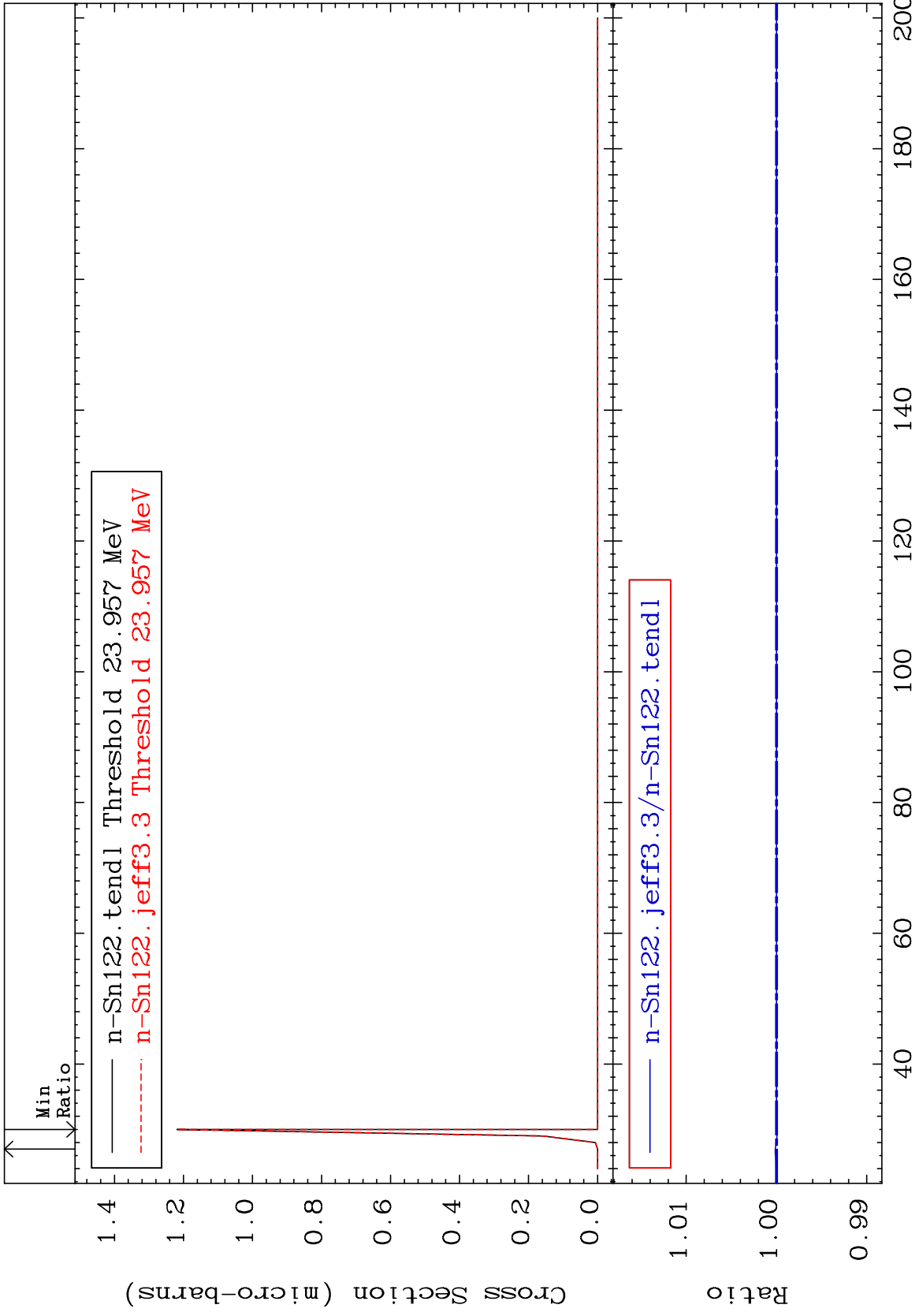
MAT 5055

(n,2n) d:49-In-119m1

50-Sn-122

Radionuclide Production Cross Section

-0.008 To 0.014 %

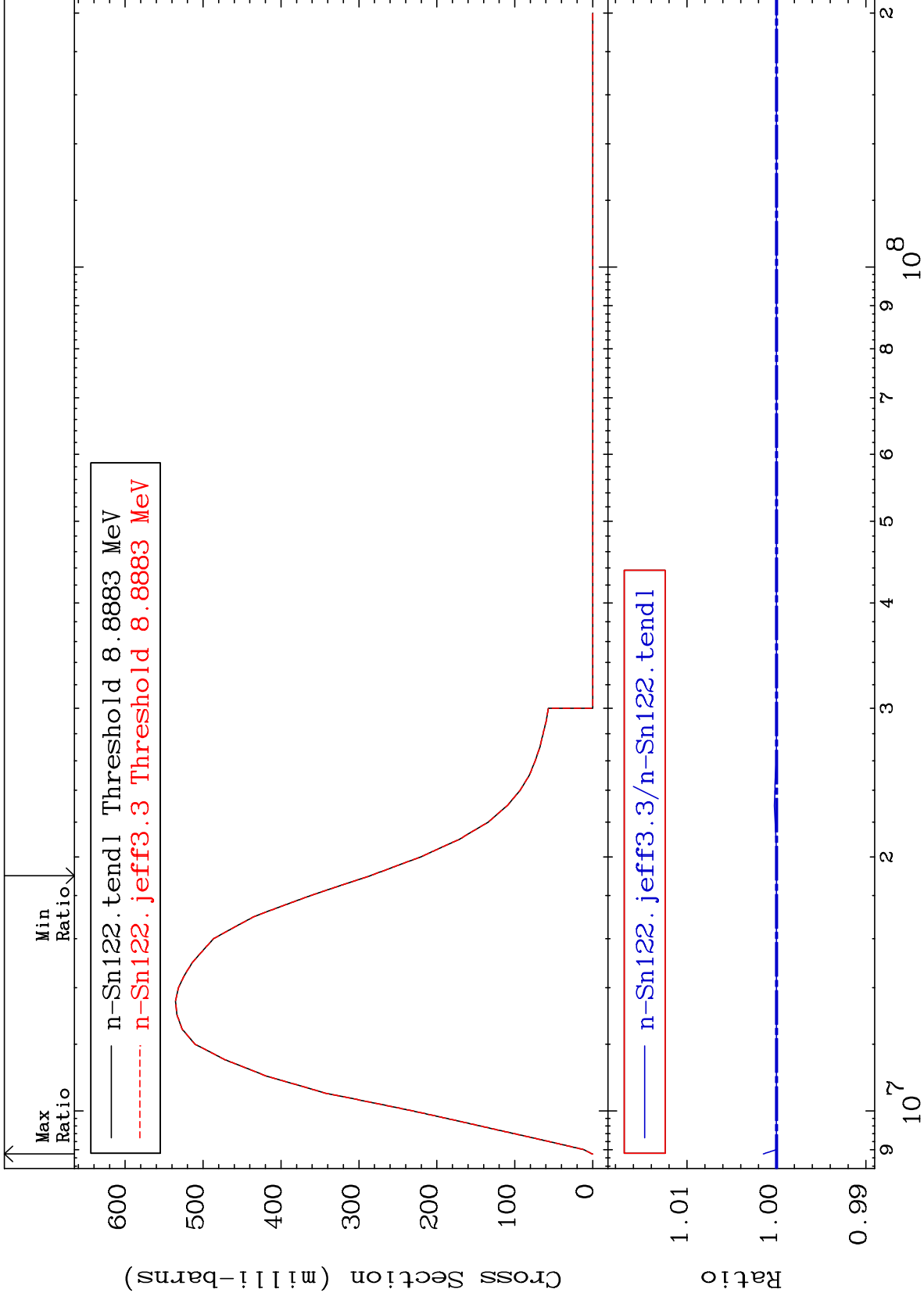


MAT 5055

(n,2n):50-Sn-121g

50-Sn-122

Radionuclide Production Cross Section 0.000 To 0.148 %



74

Incident Energy (eV)

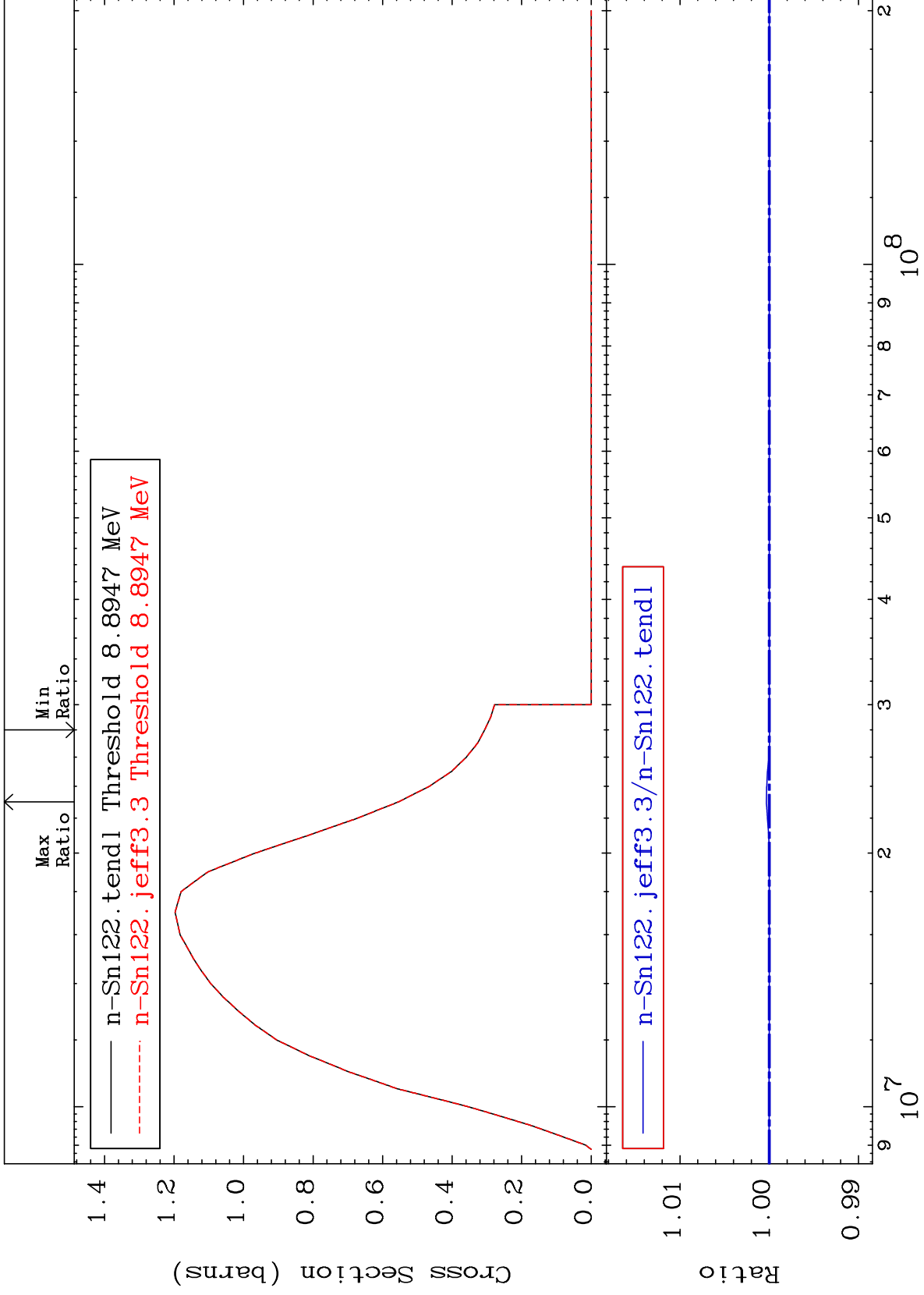
50-Sn-122

MAT 5055

(n,2n):50-Sn-121m1

50-Sn-122

Radionuclide Production Cross Section -0.004 To 0.033 %



75

Incident Energy (eV)

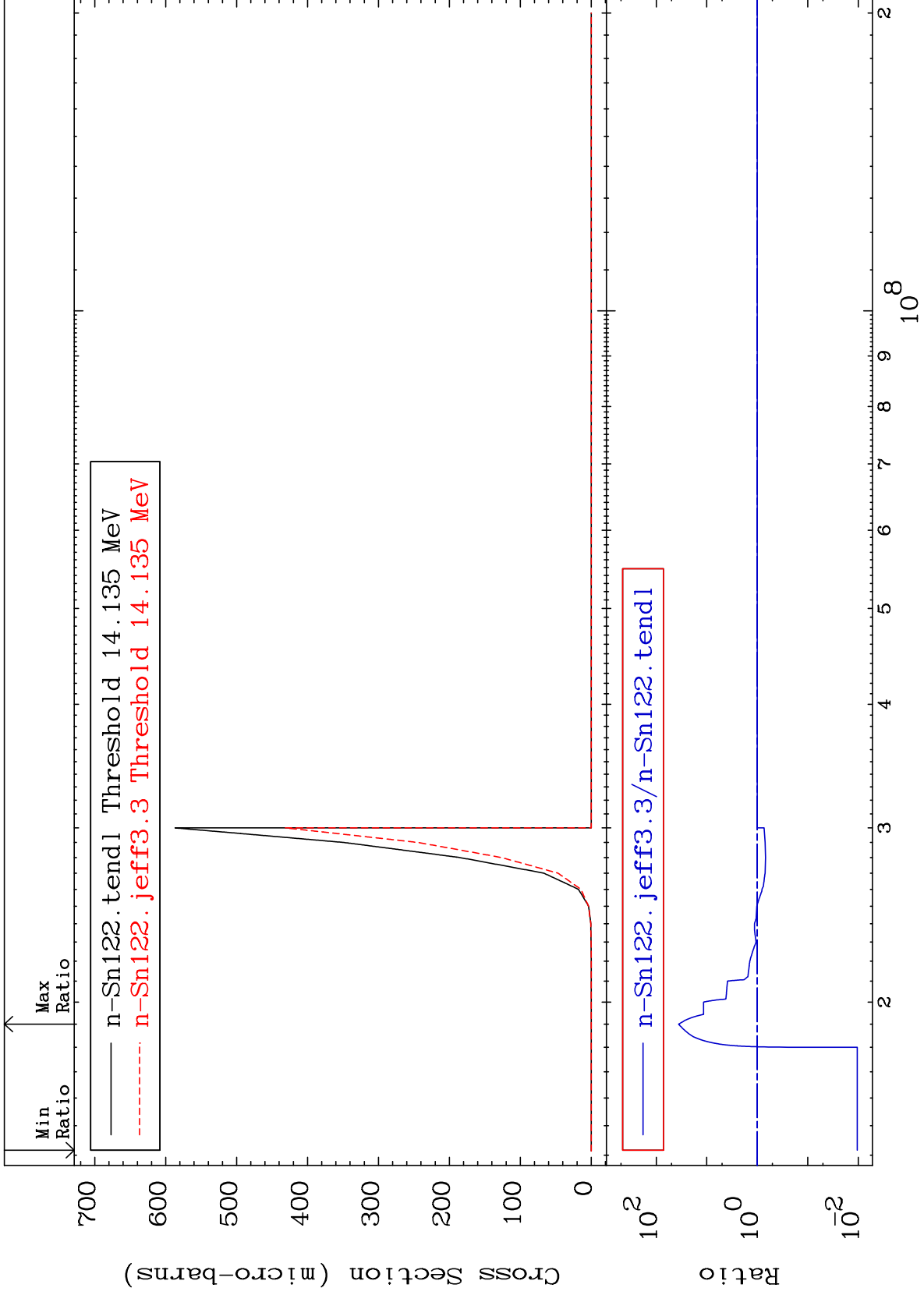
50-Sn-122

MAT 5055

(n,2n)  $\alpha$ : 48-Cd-117g

50-Sn-122

Radionuclide Production Cross Section -98.95 To 3506. %

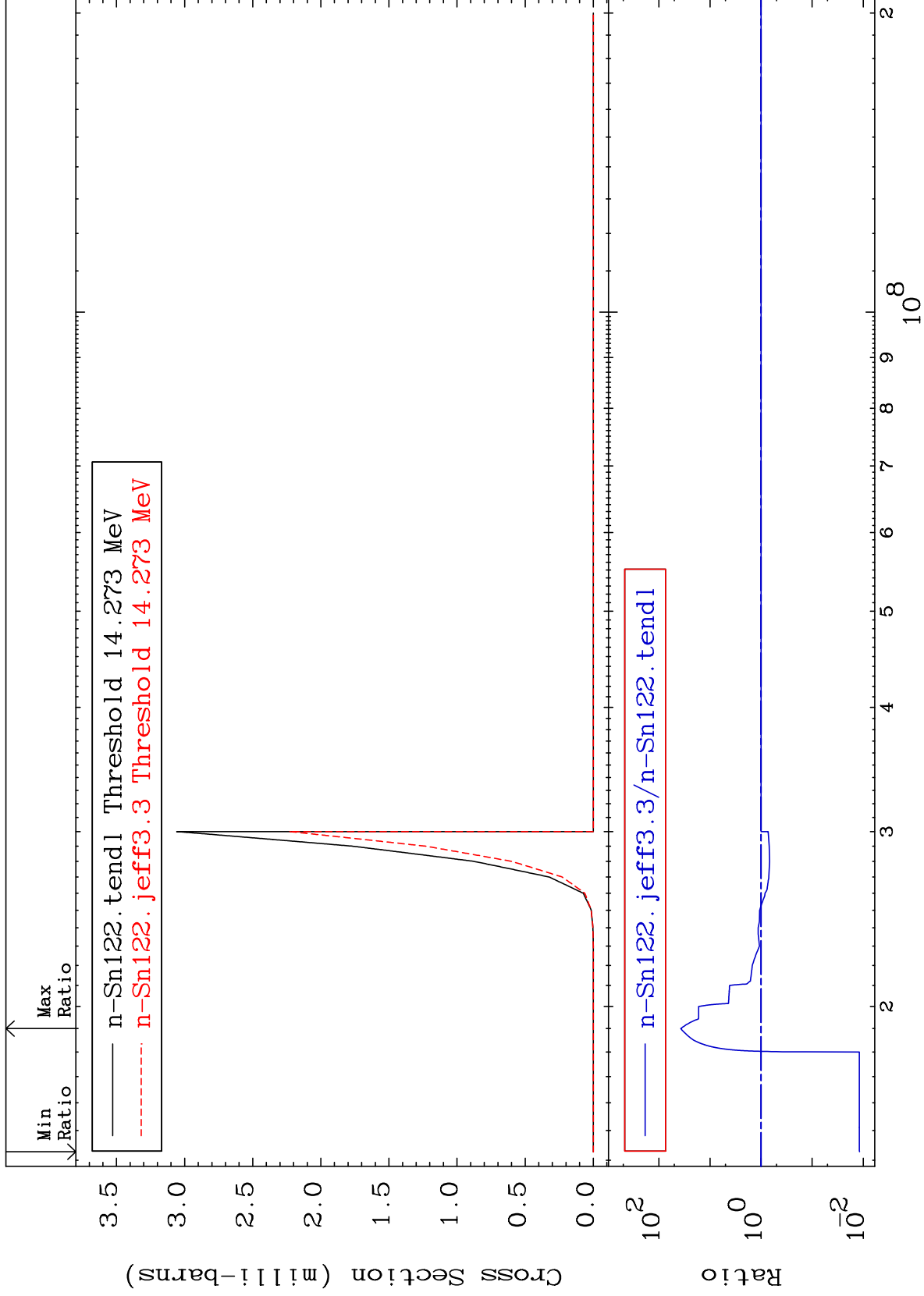


MAT 5055

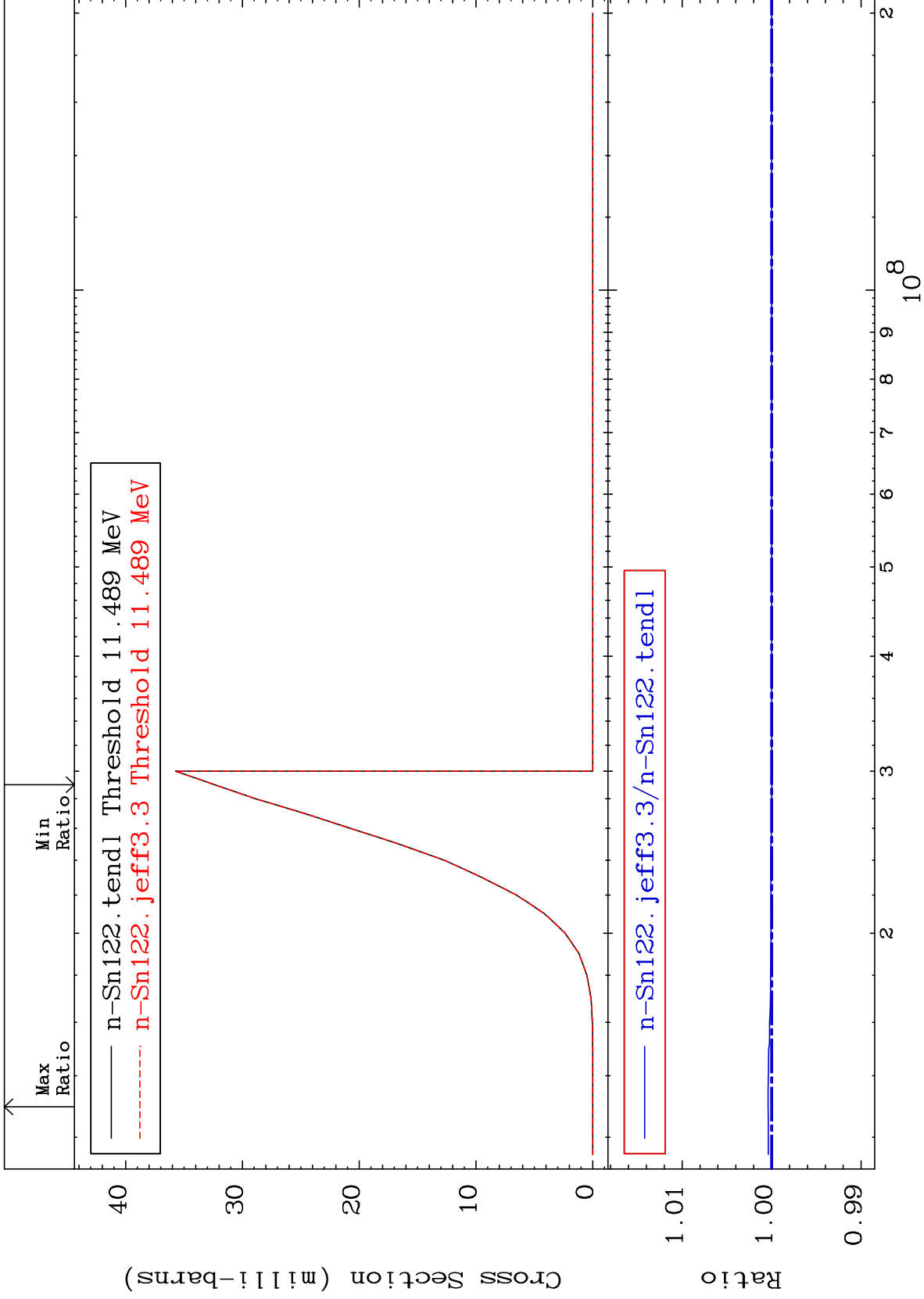
(n,2n)  $\alpha$ : 48-Cd-117m2

50-Sn-122

Radionuclide Production Cross Section -98.82 To 3639. %



Radionuclide Production Cross Section -0.001 To 0.040 %

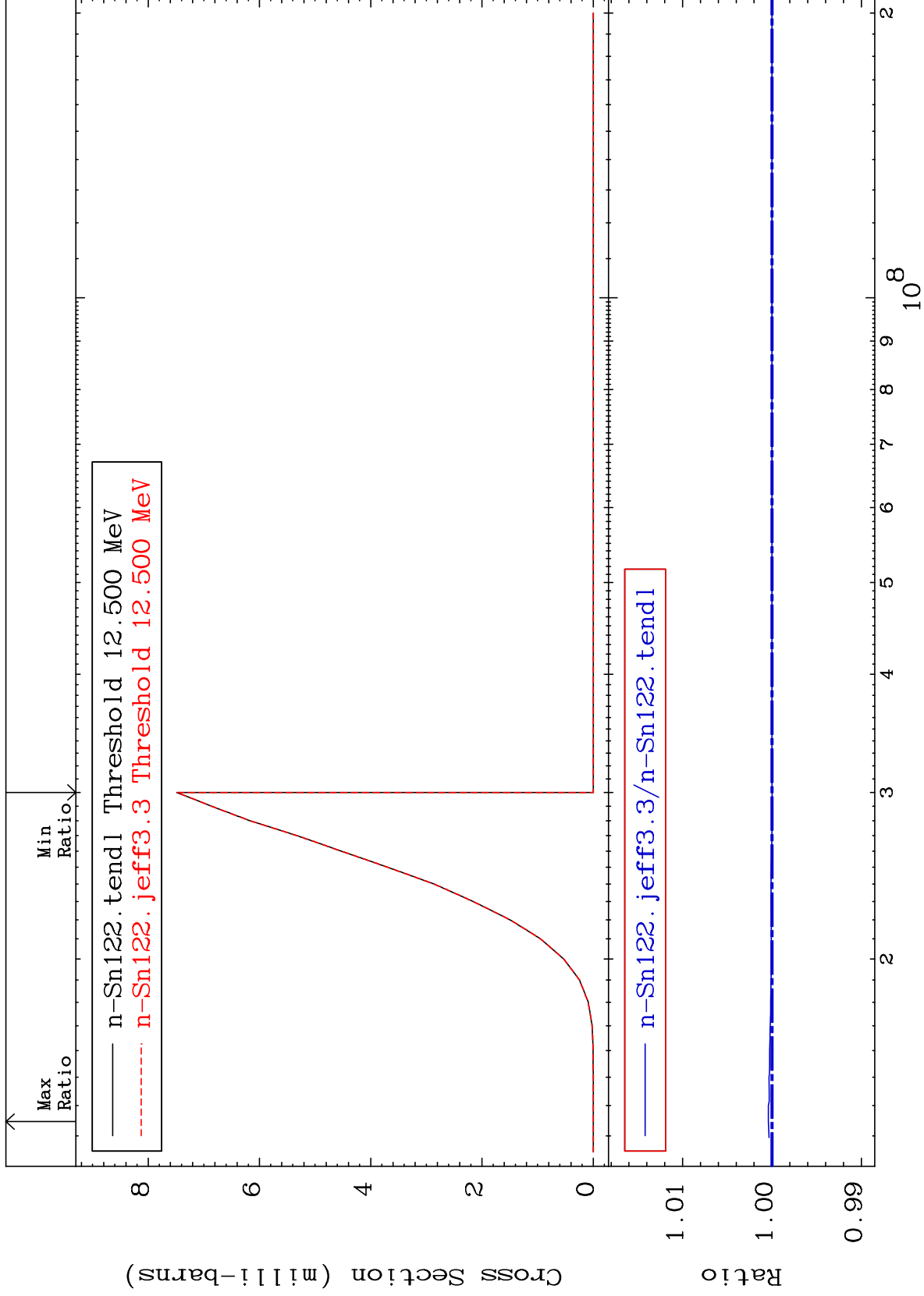


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section 0.000 To 0.041 %

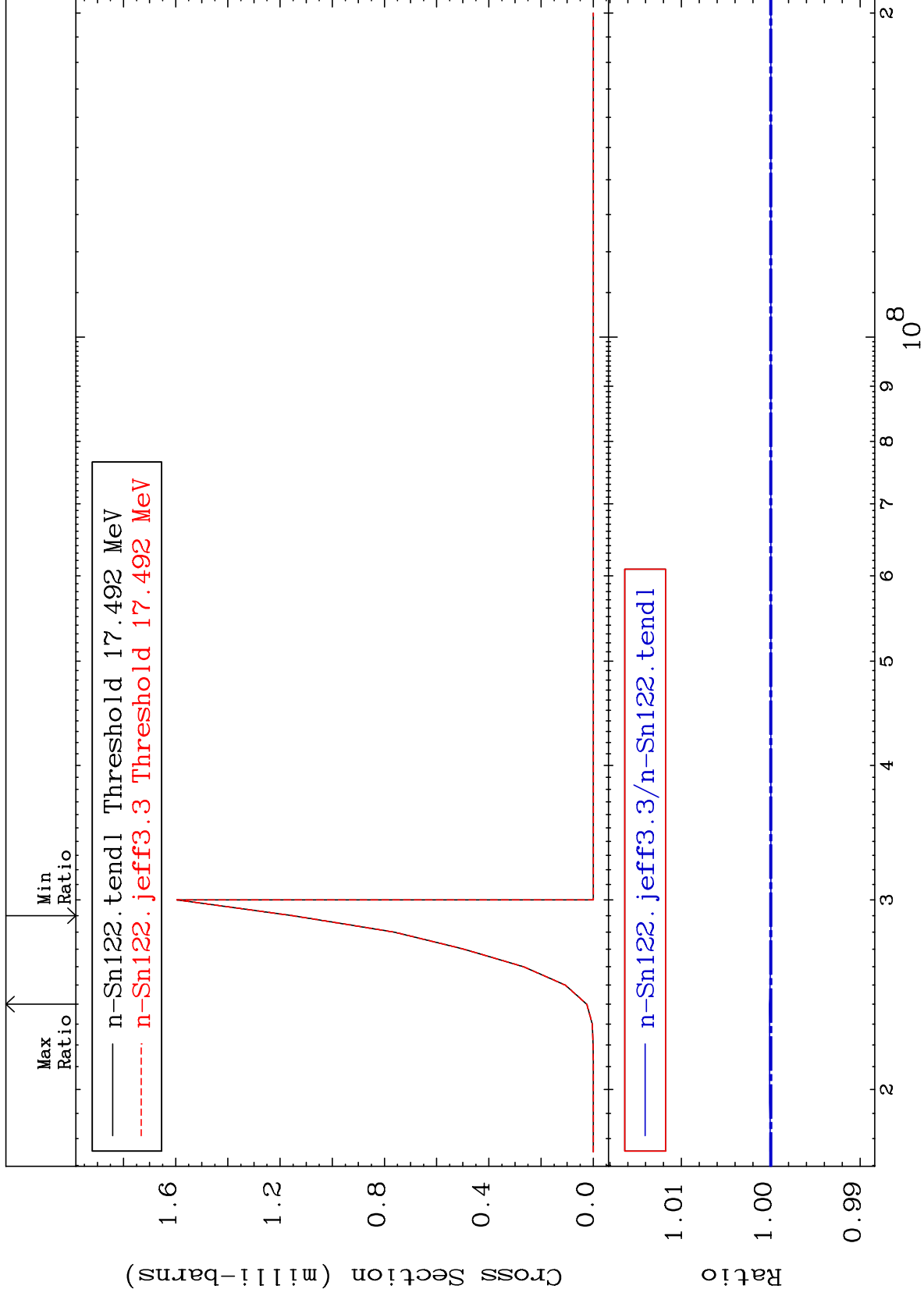


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section 0.000 To 0.014 %



80

Incident Energy (eV)

50-Sn-122

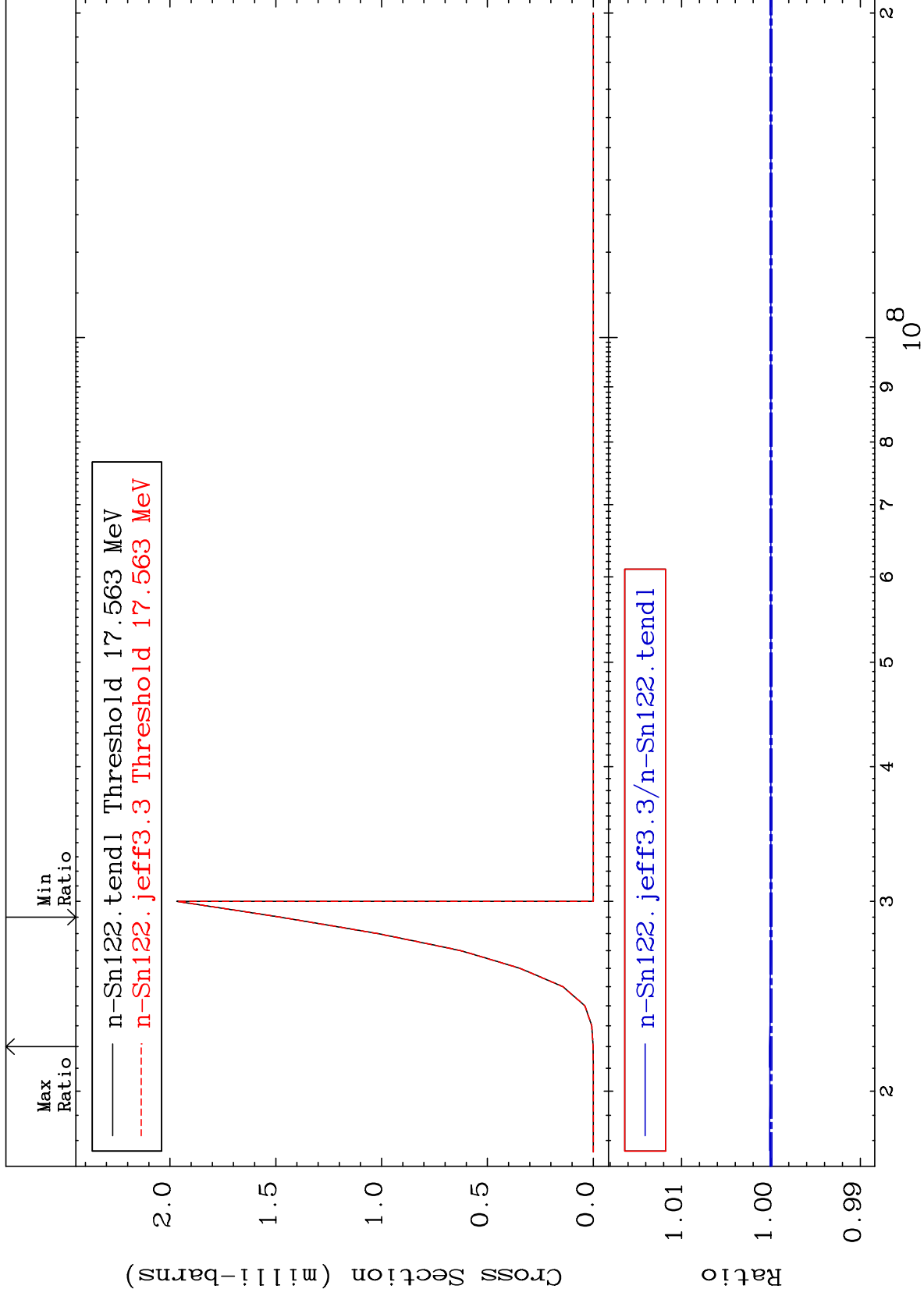


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section 0.000 To 0.018 %

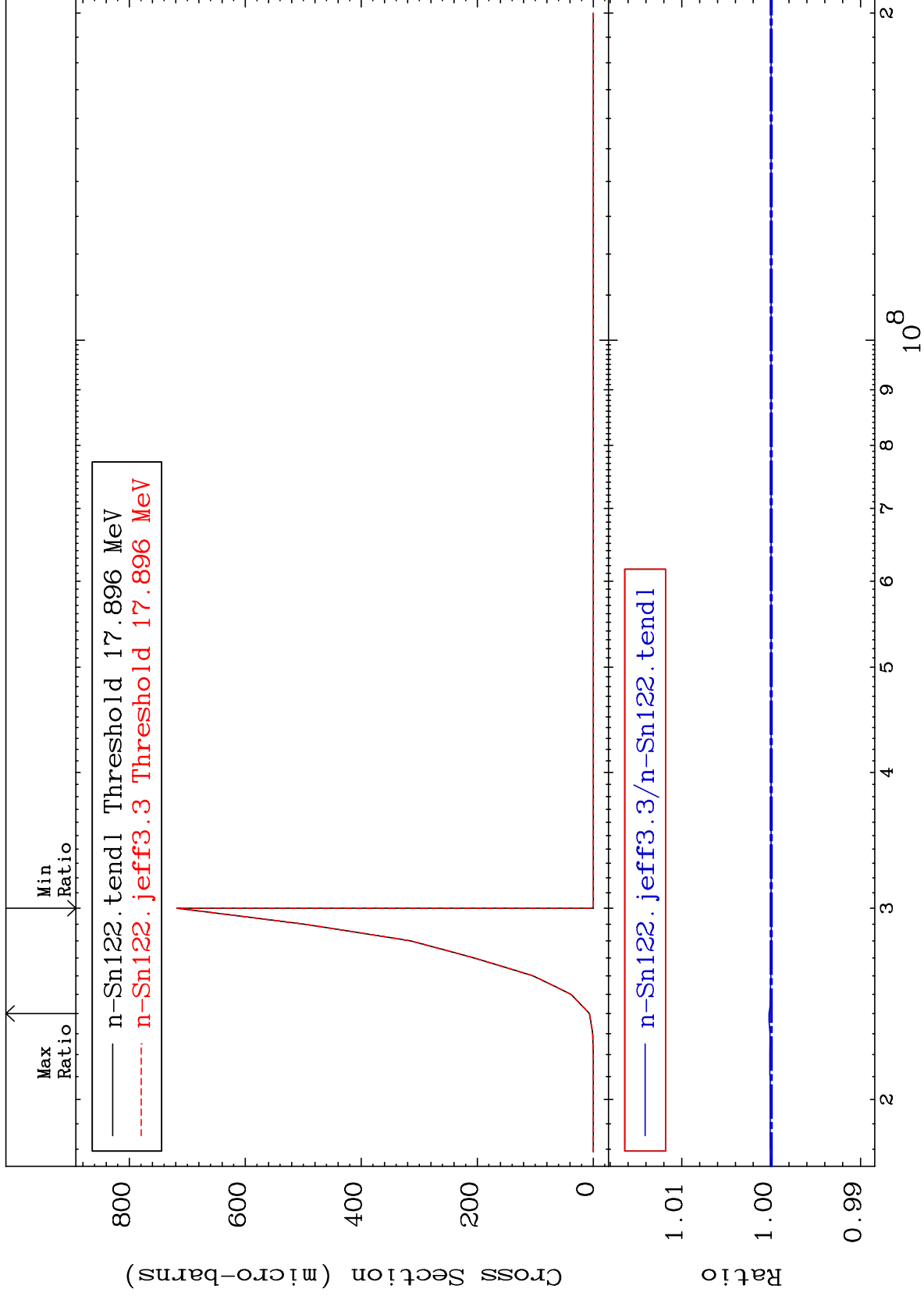


MAT 5055

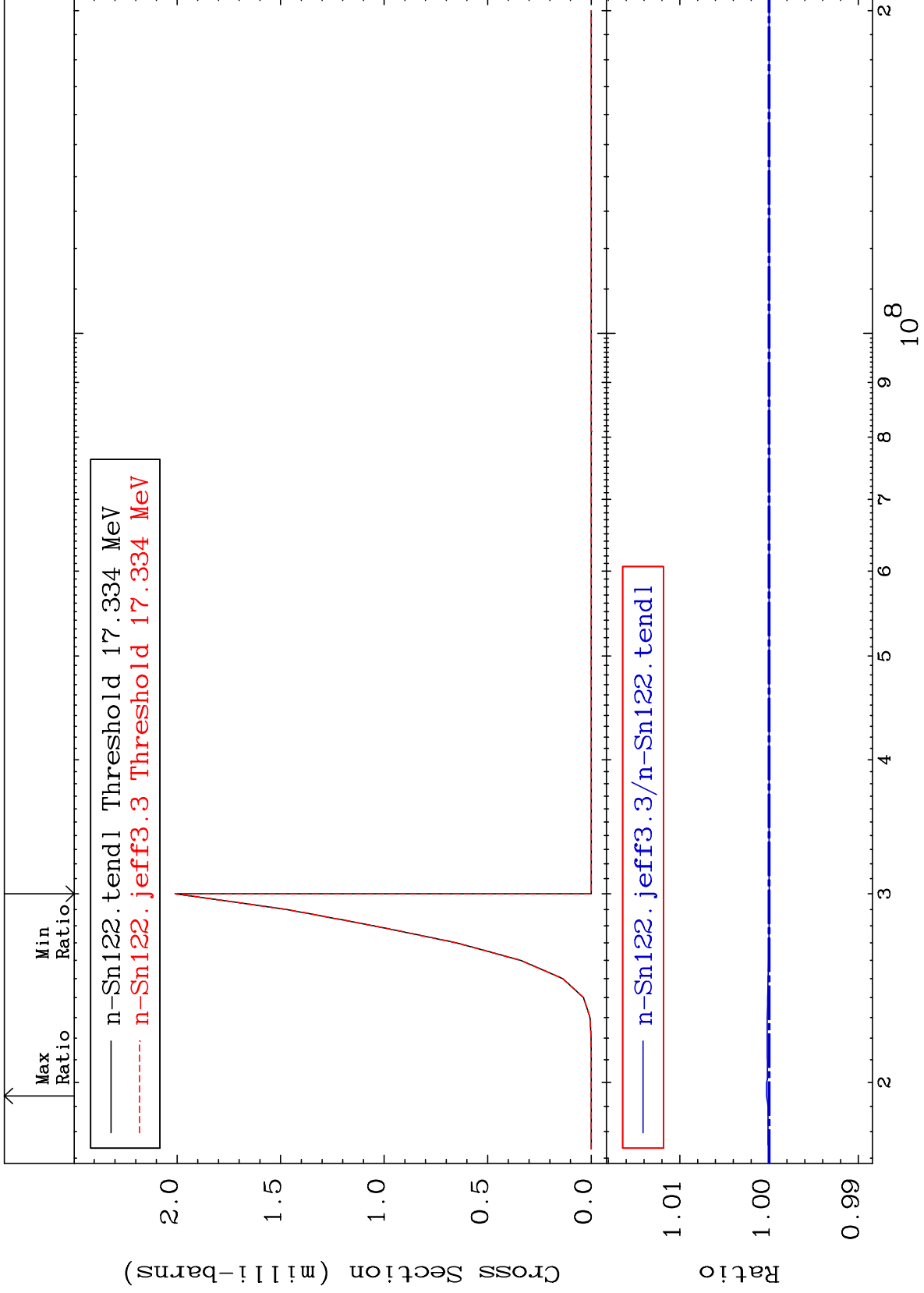
(n, n') d:49-In-120m2

50-Sn-122

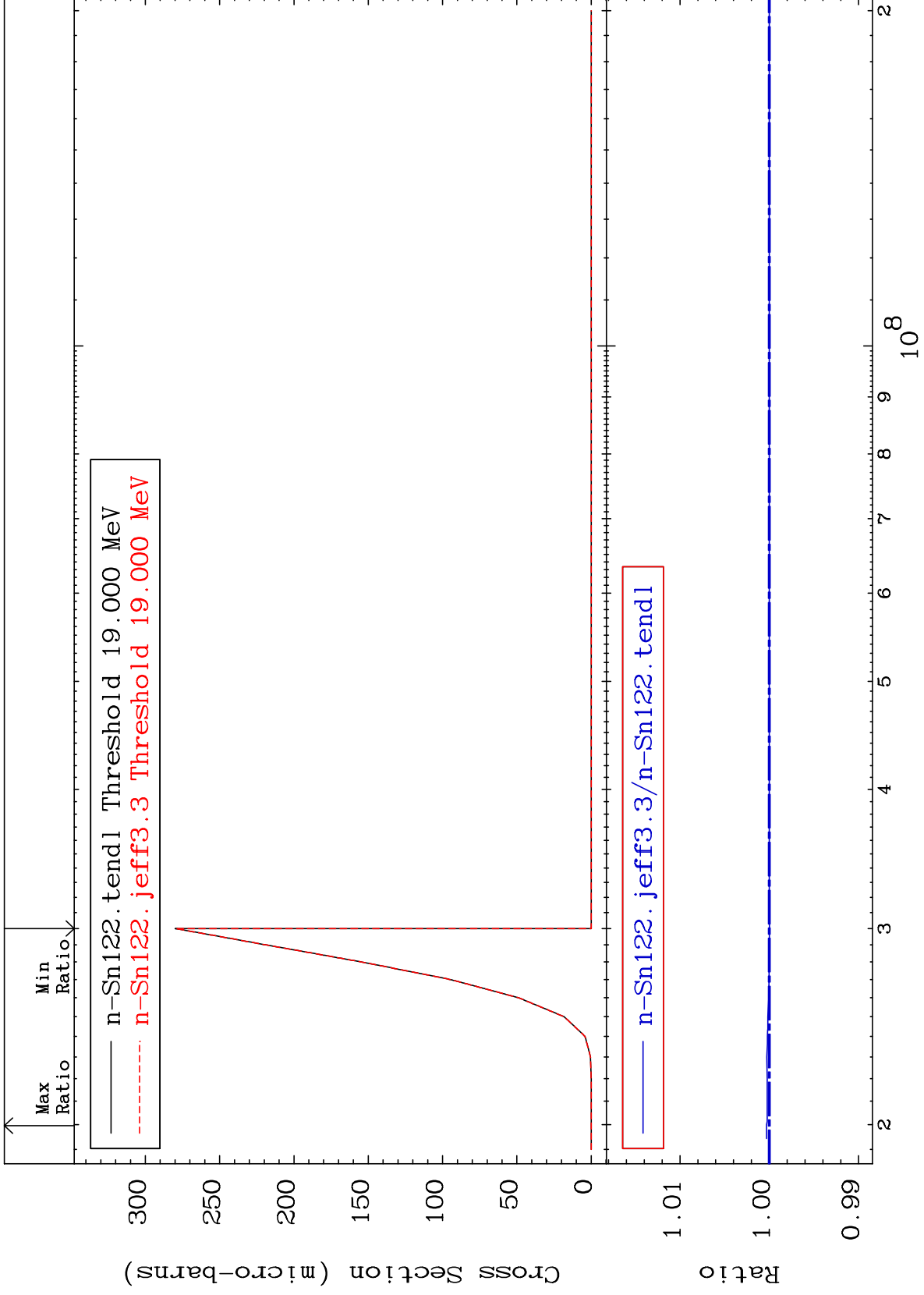
Radionuclide Production Cross Section -0.003 To 0.024 %



Radionuclide Production Cross Section -0.002 To 0.028 %

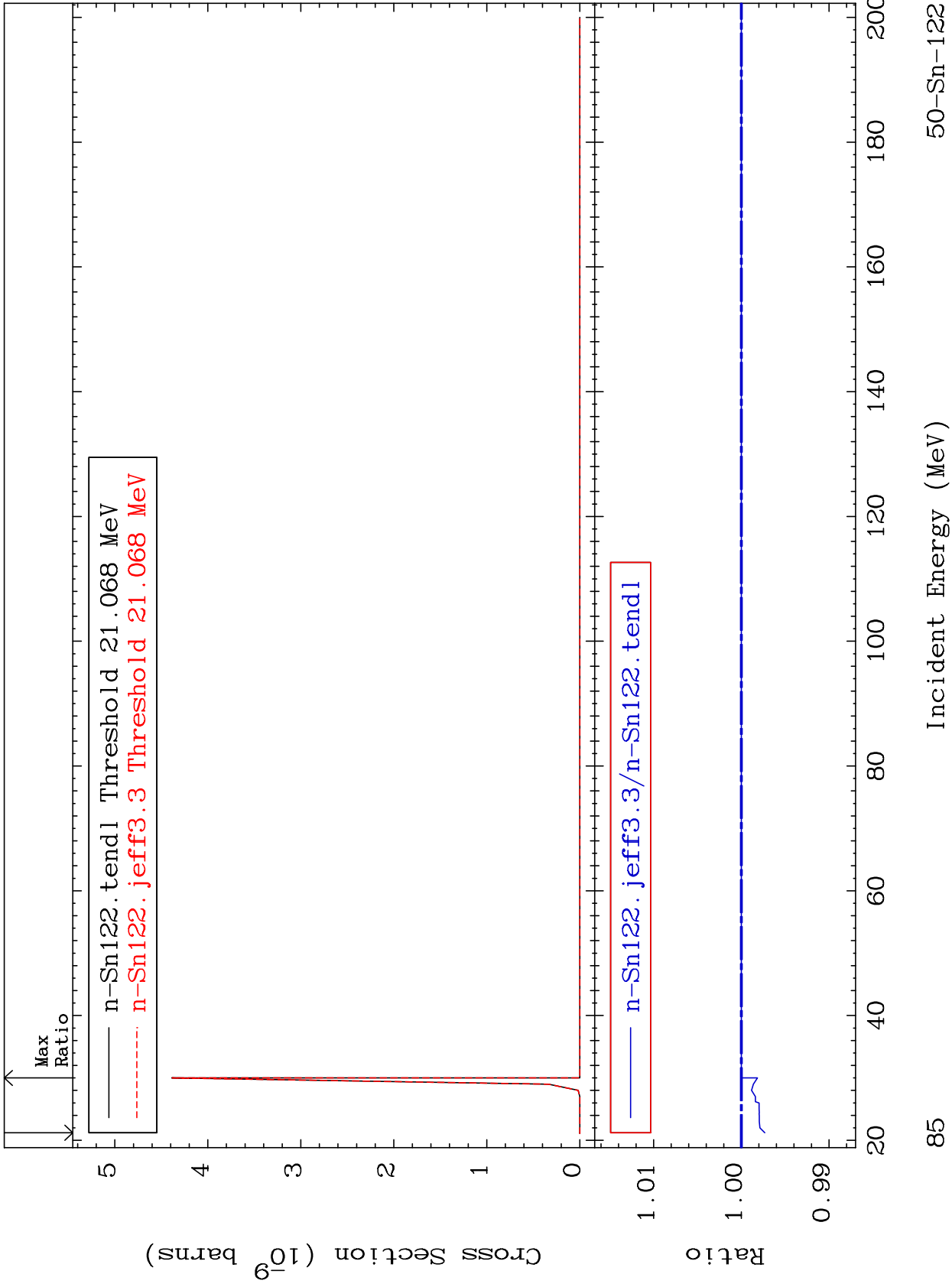


Radionuclide Production Cross Section -0.001 To 0.031 %



MAT 5055

(n, n') He-3:48-Cd-119g 50-Sn-122  
Radionuclide Production Cross Section -0.268 To 0.000 %



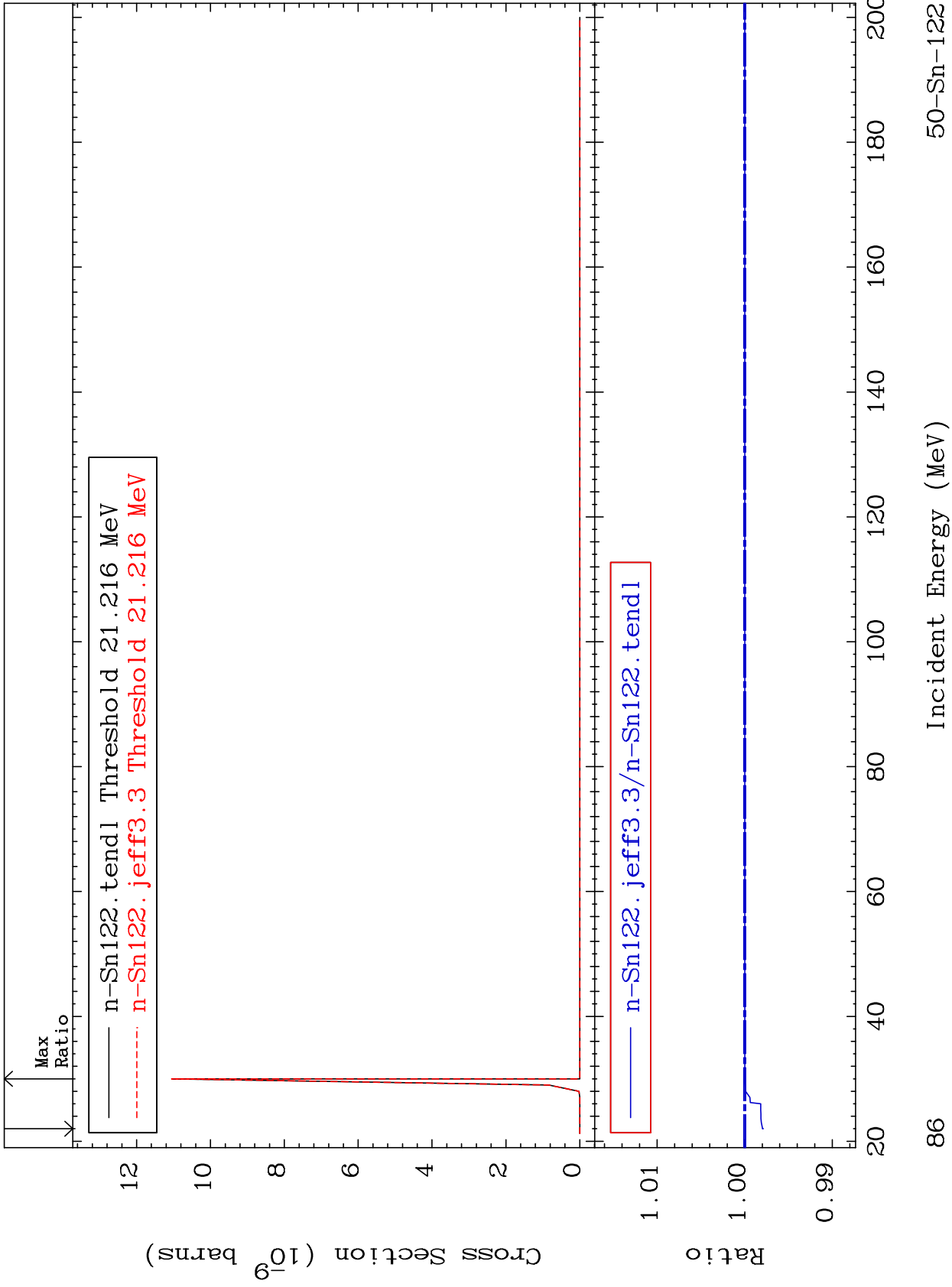
MAT 5055

(n, n') He-3:48-Cd-119m2

50-Sn-122

Radionuclide Production Cross Section

-0.203 To 0.012 %



86

Incident Energy (MeV)

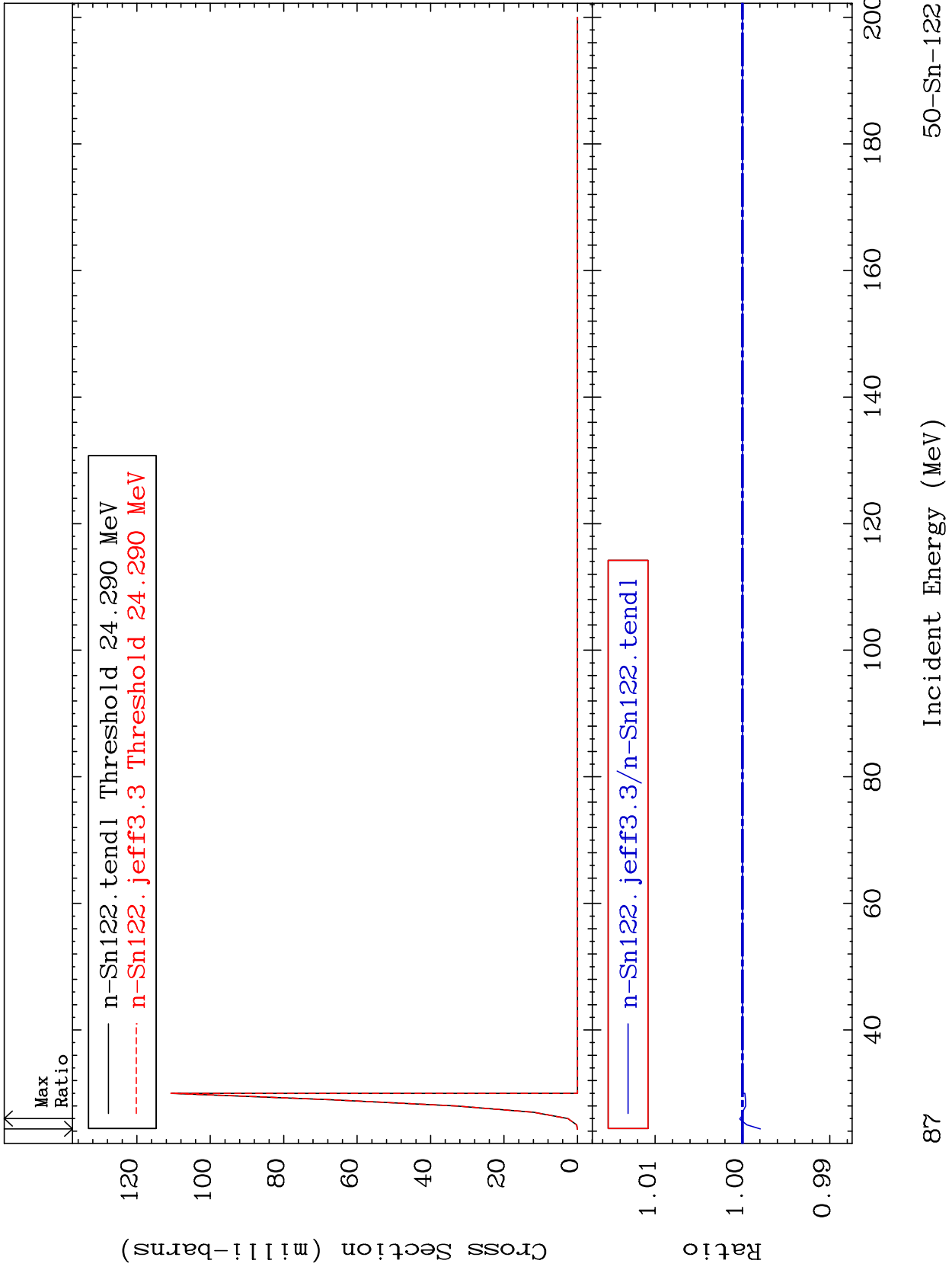
50-Sn-122

MAT 5055

(n,4n):50-Sn-119g

50-Sn-122

Radionuclide Production Cross Section -0.205 To 0.029 %



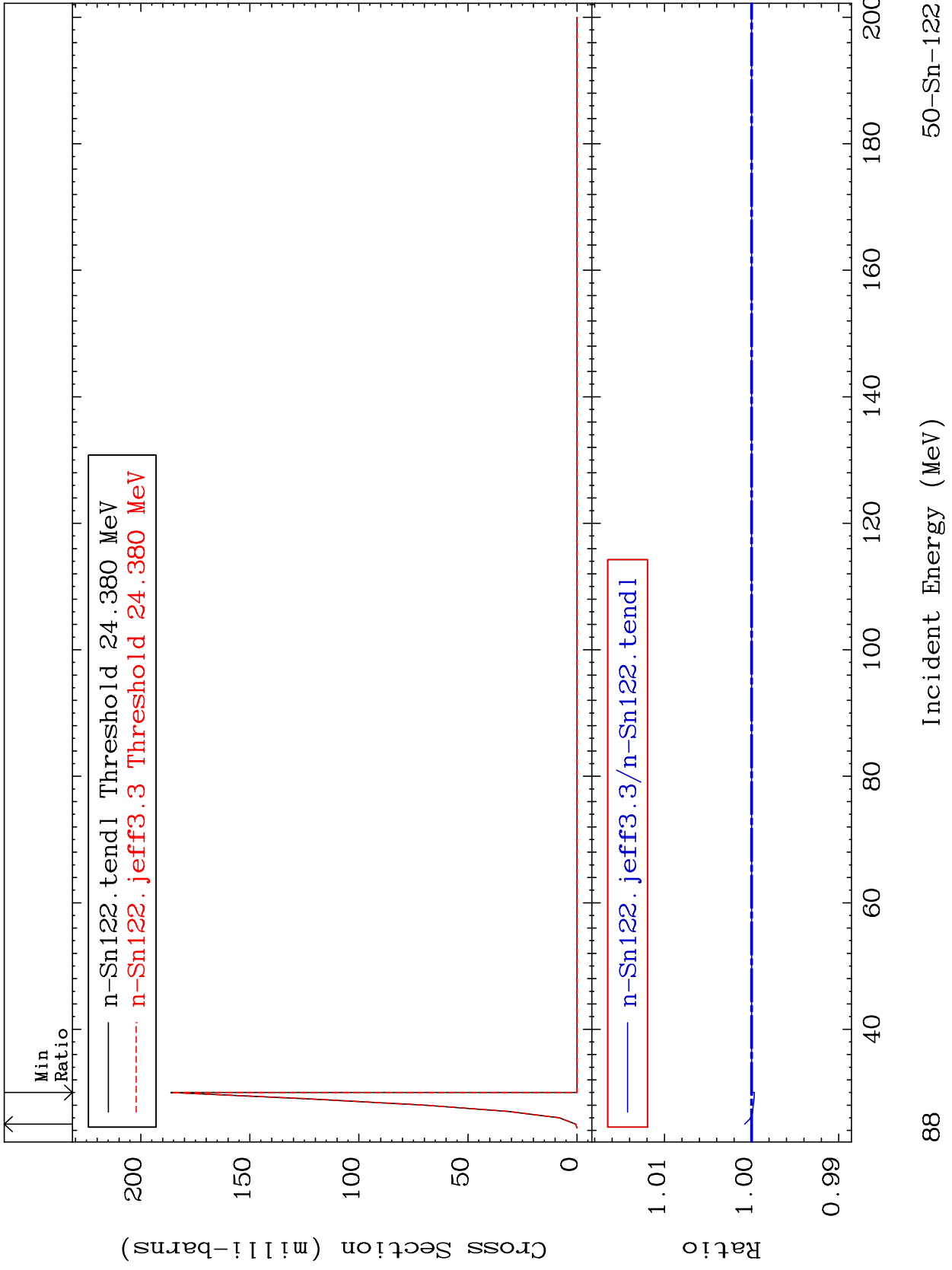
MAT 5055

(n,4n):50-Sn-119m2

50-Sn-122

Radionuclide Production Cross Section

-0.031 To 0.080 %



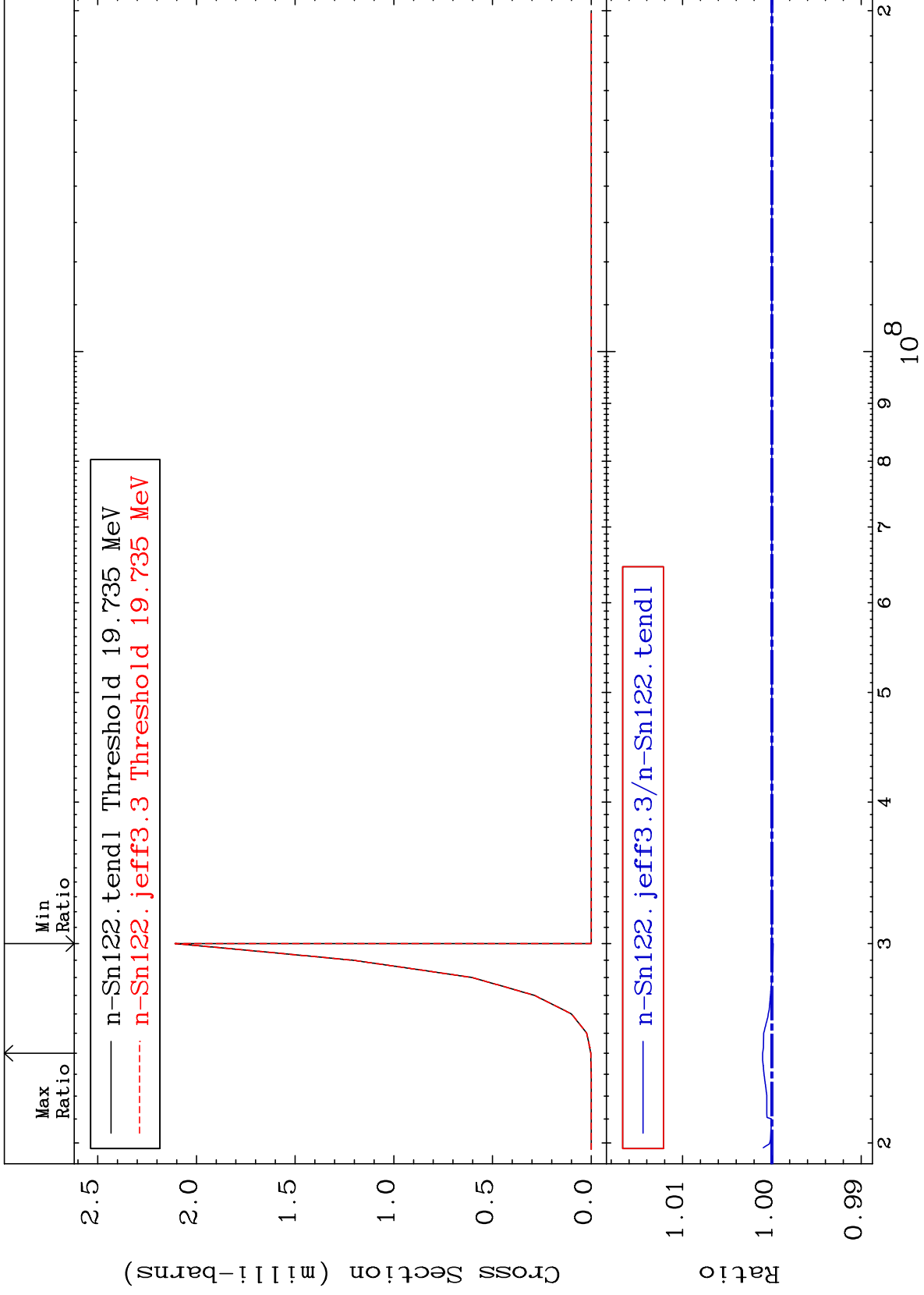


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -0.015 To 0.103 %

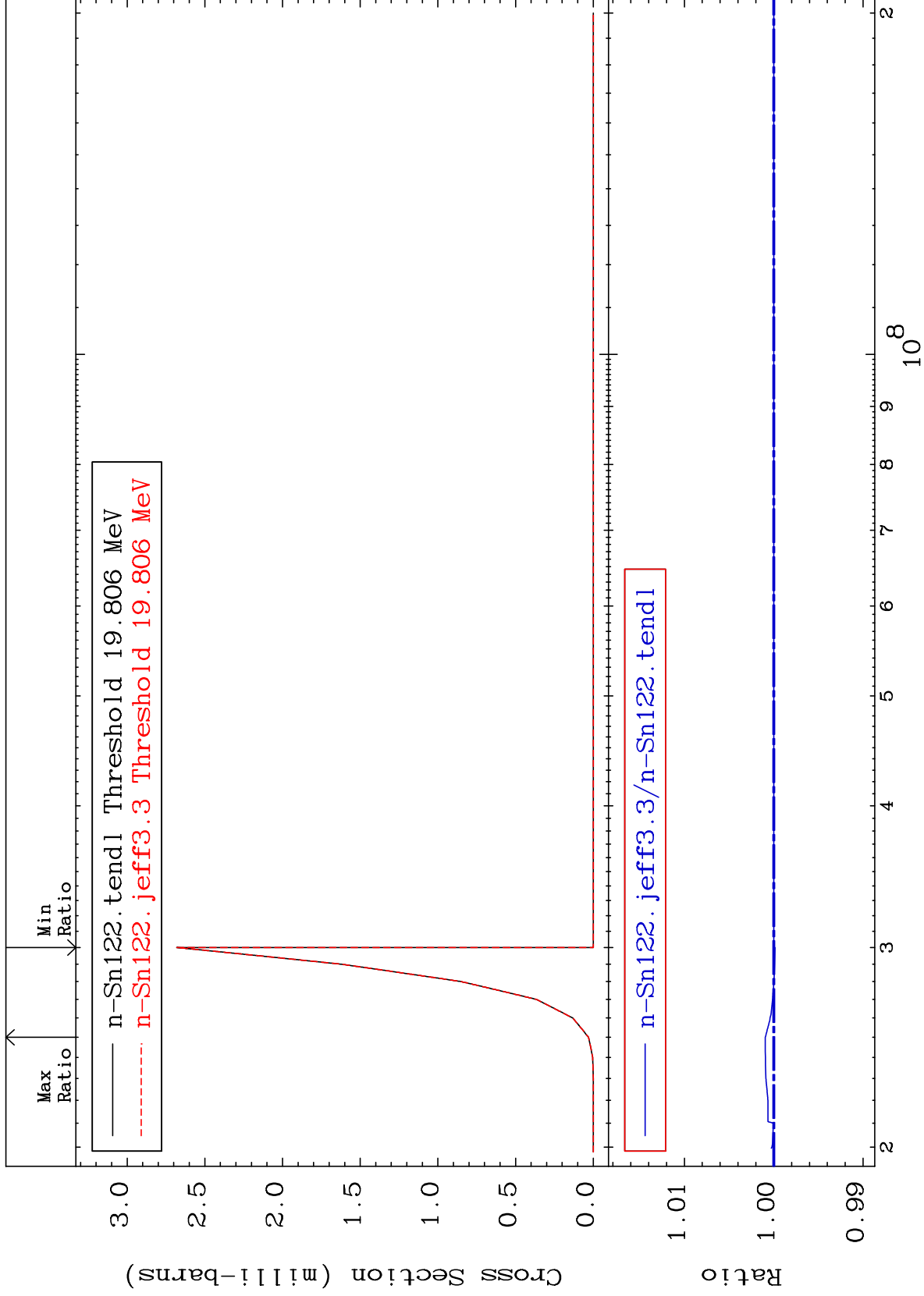


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -0.014 To 0.095 %



90

Incident Energy (eV)

50-Sn-122

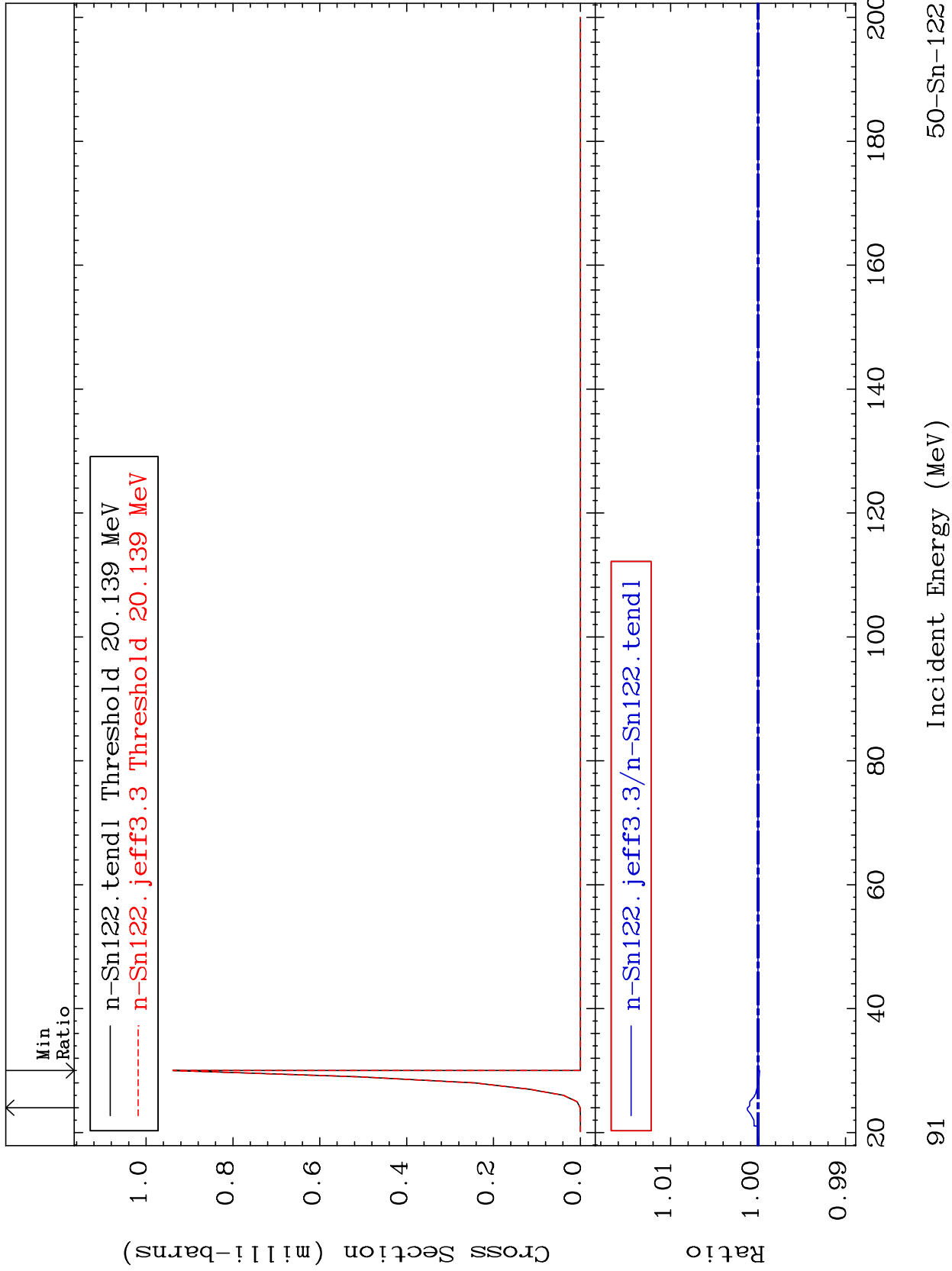
MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section

-0.017 To 0.123 %

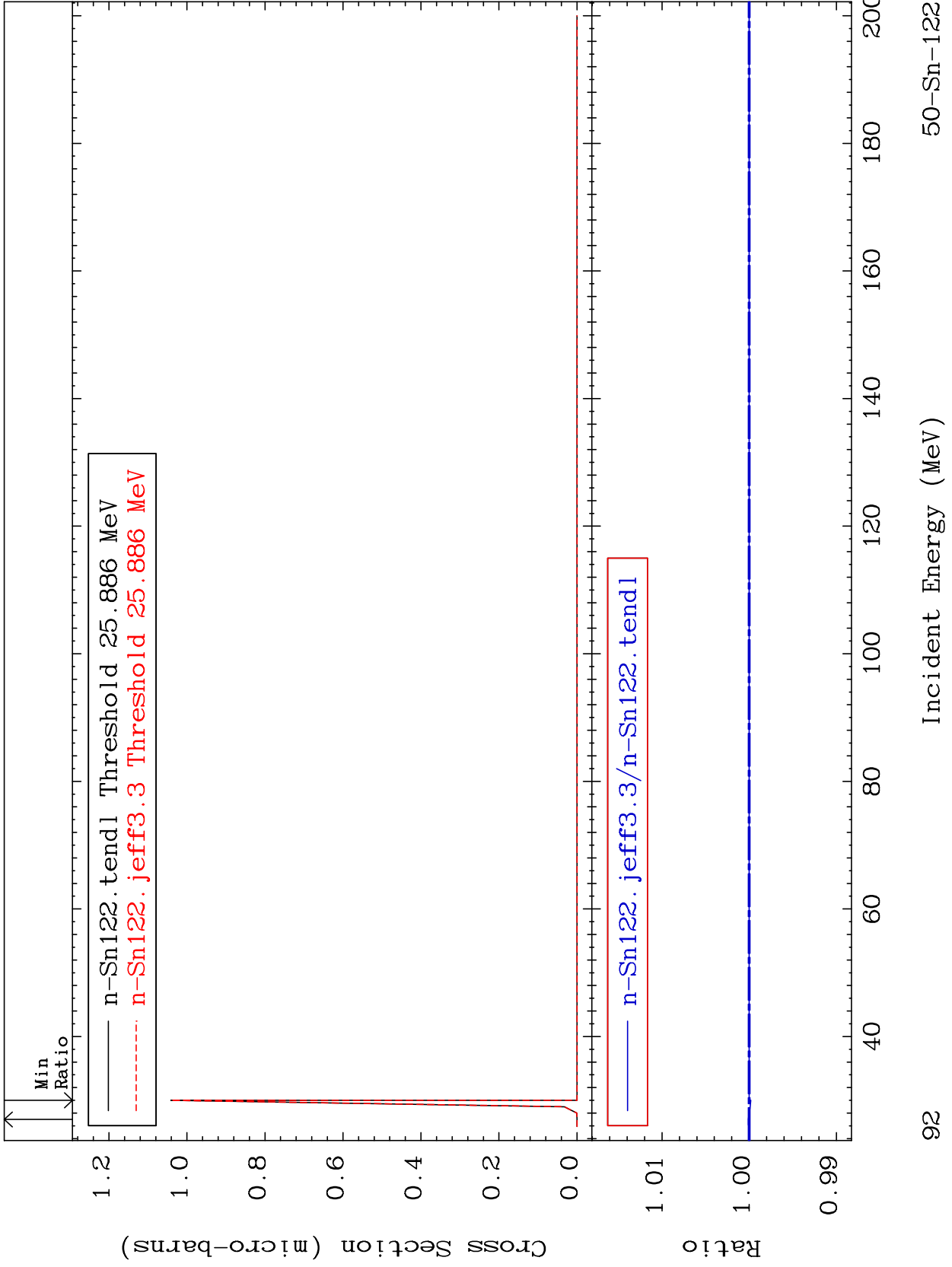


MAT 5055

(n,3n) p:49-In-119g

50-Sn-122

Radionuclide Production Cross Section -0.017 To 0.011 %



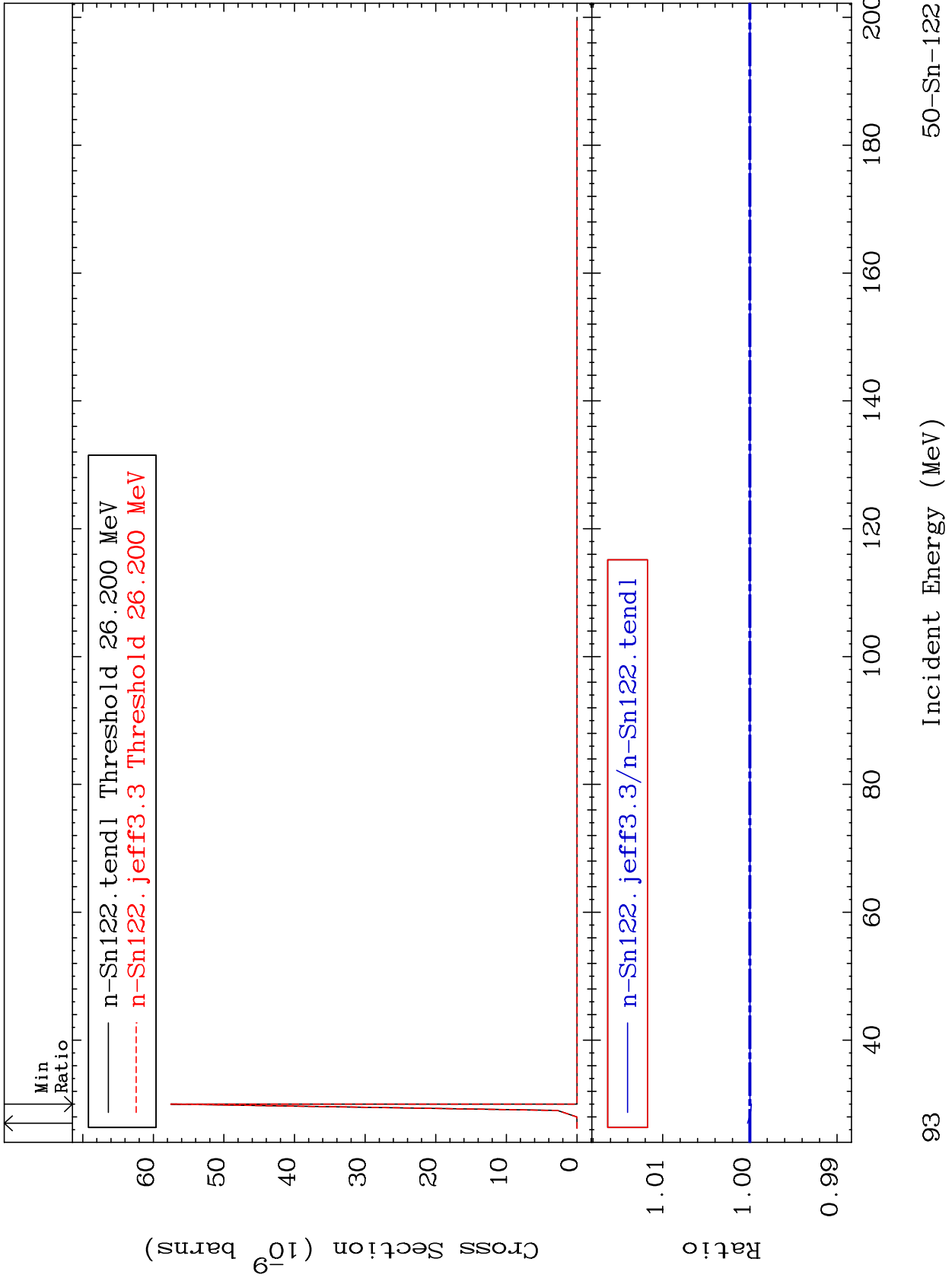
MAT 5055

(n,3n) p:49-In-119m1

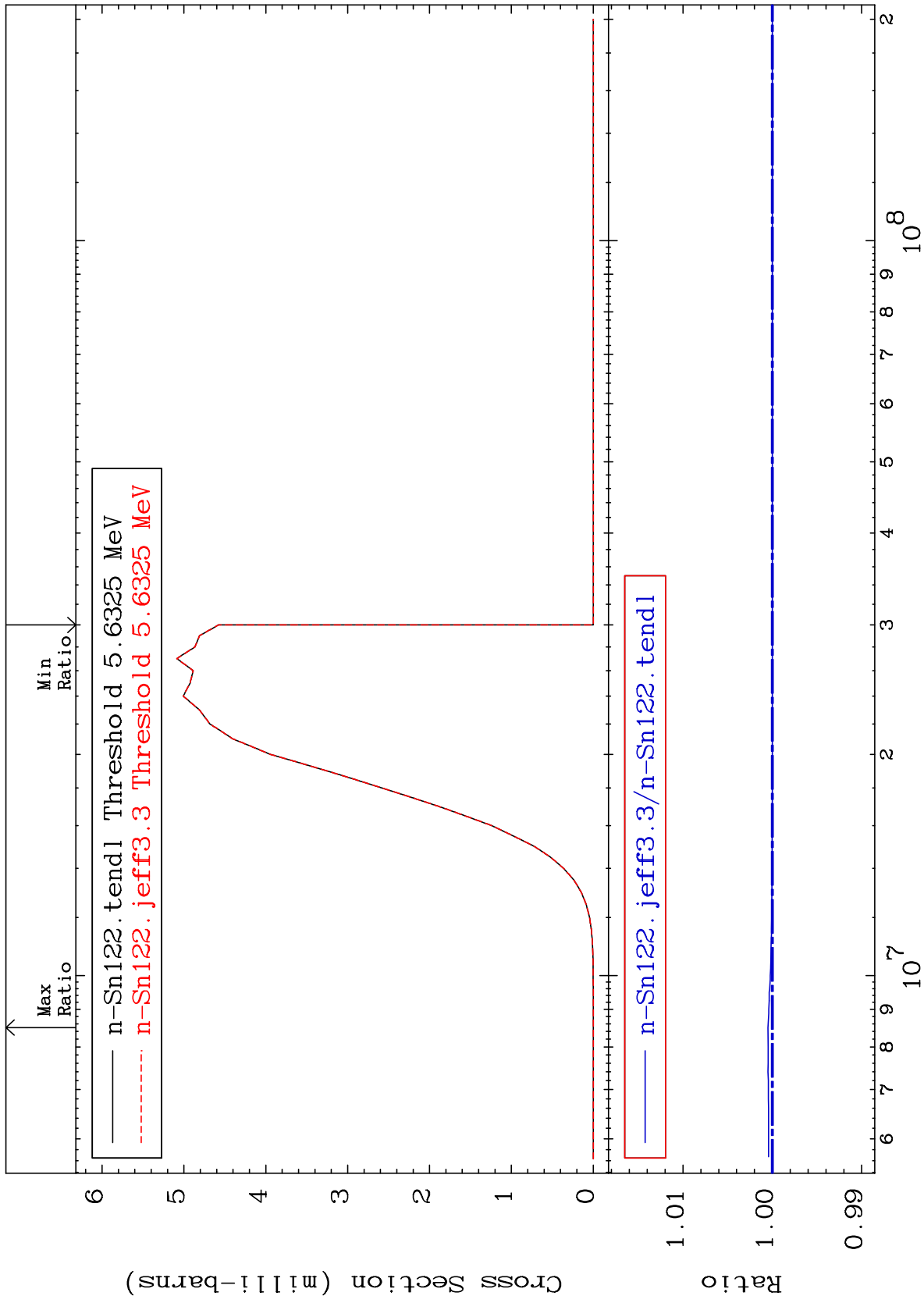
50-Sn-122

Radionuclide Production Cross Section

-0.018 To 0.027 %



MAT 5055 (n, p) : 49-In-122g 50-Sn-122  
 Radionuclide Production Cross Section 0.000 To 0.049 %

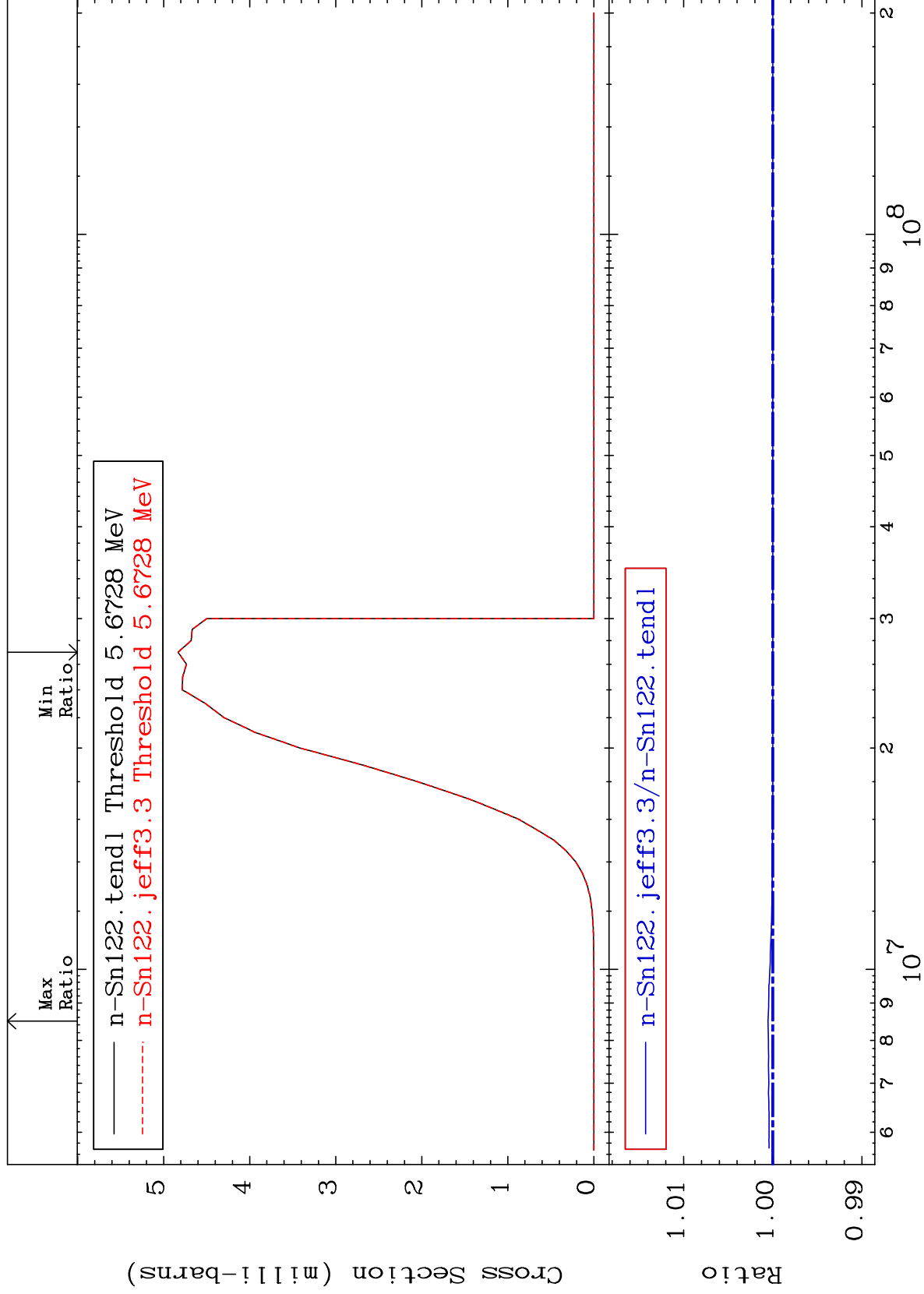


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section 0.000 To 0.054 %



95

Incident Energy (eV)

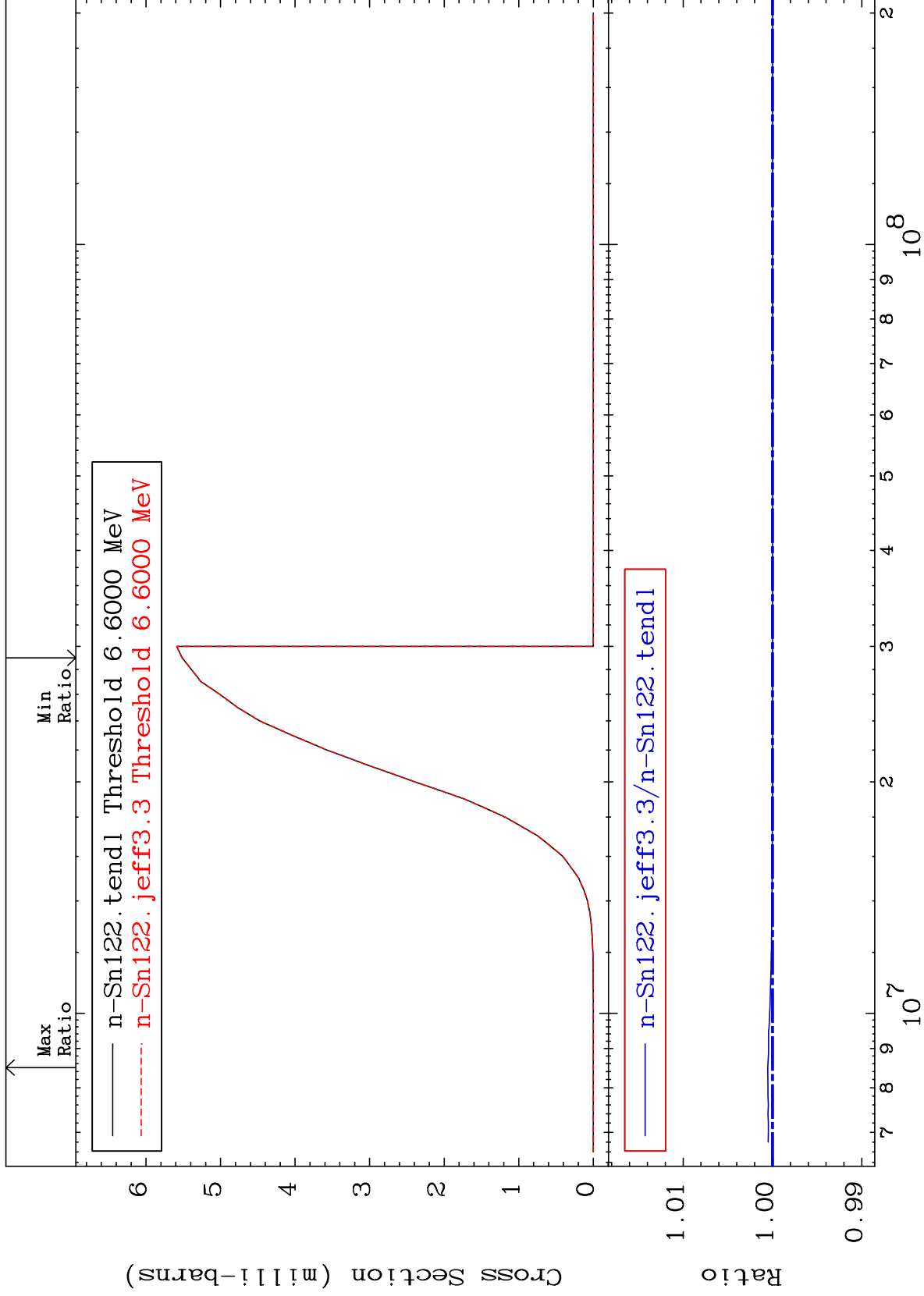
50-Sn-122

MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section 0.000 To 0.053 %



96

Incident Energy (eV)

50-Sn-122

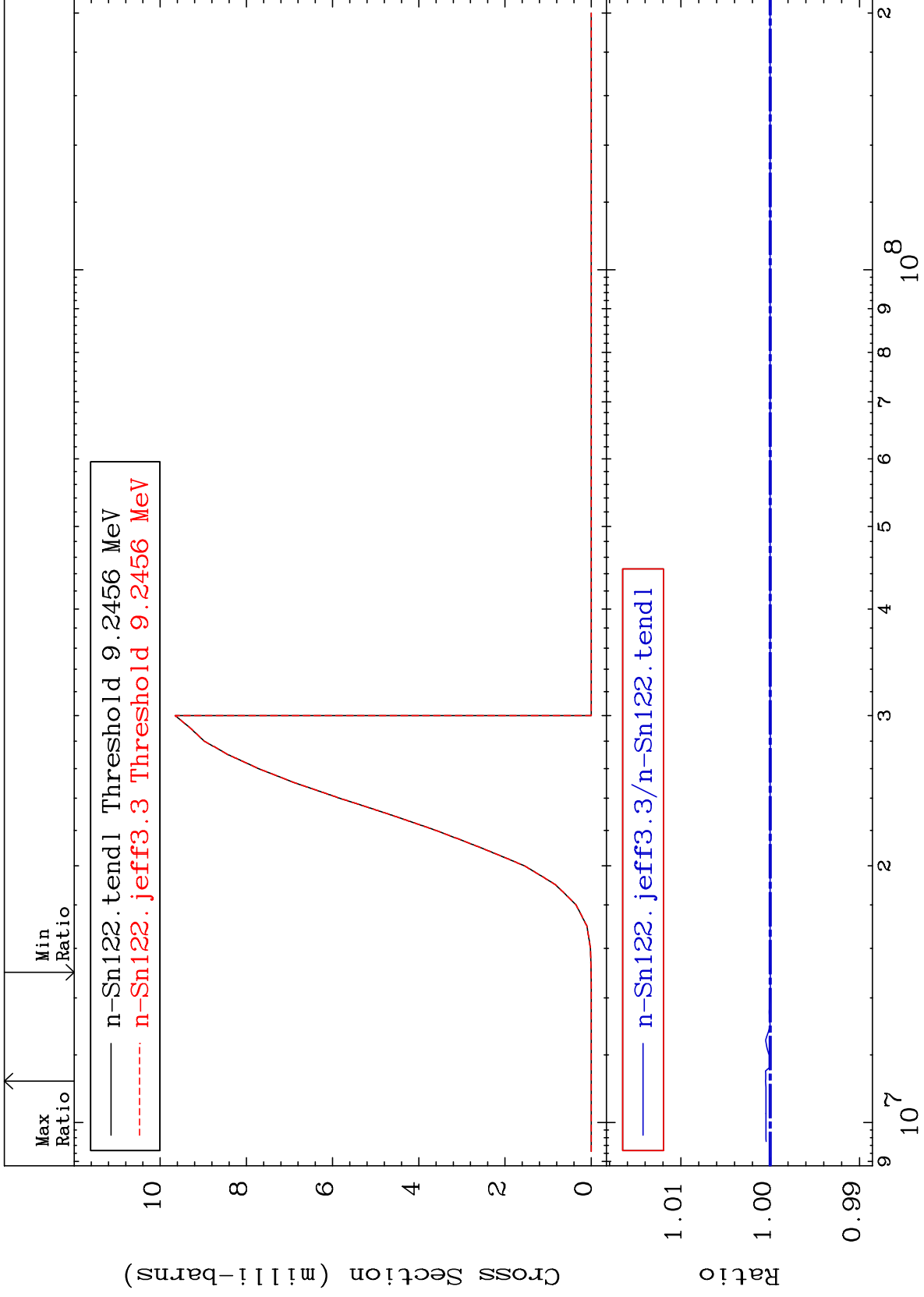


MAT 5055

(n, d) : 49-In-121g

50-Sn-122

Radionuclide Production Cross Section 0.000 To 0.051 %

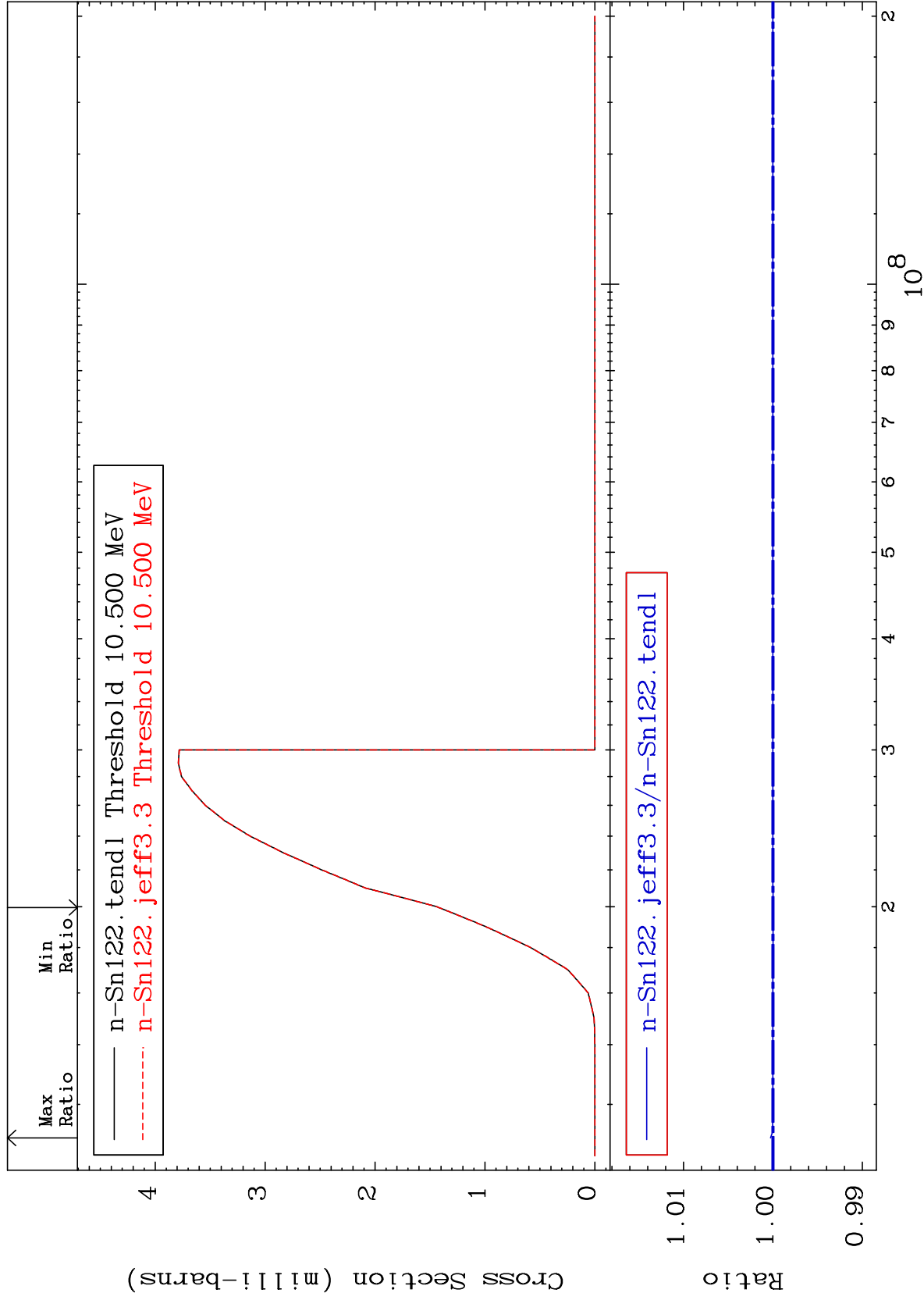


MAT 5055

(n, d) : 49-In-121m1

50-Sn-122

Radionuclide Production Cross Section 0.000 To 0.027 %

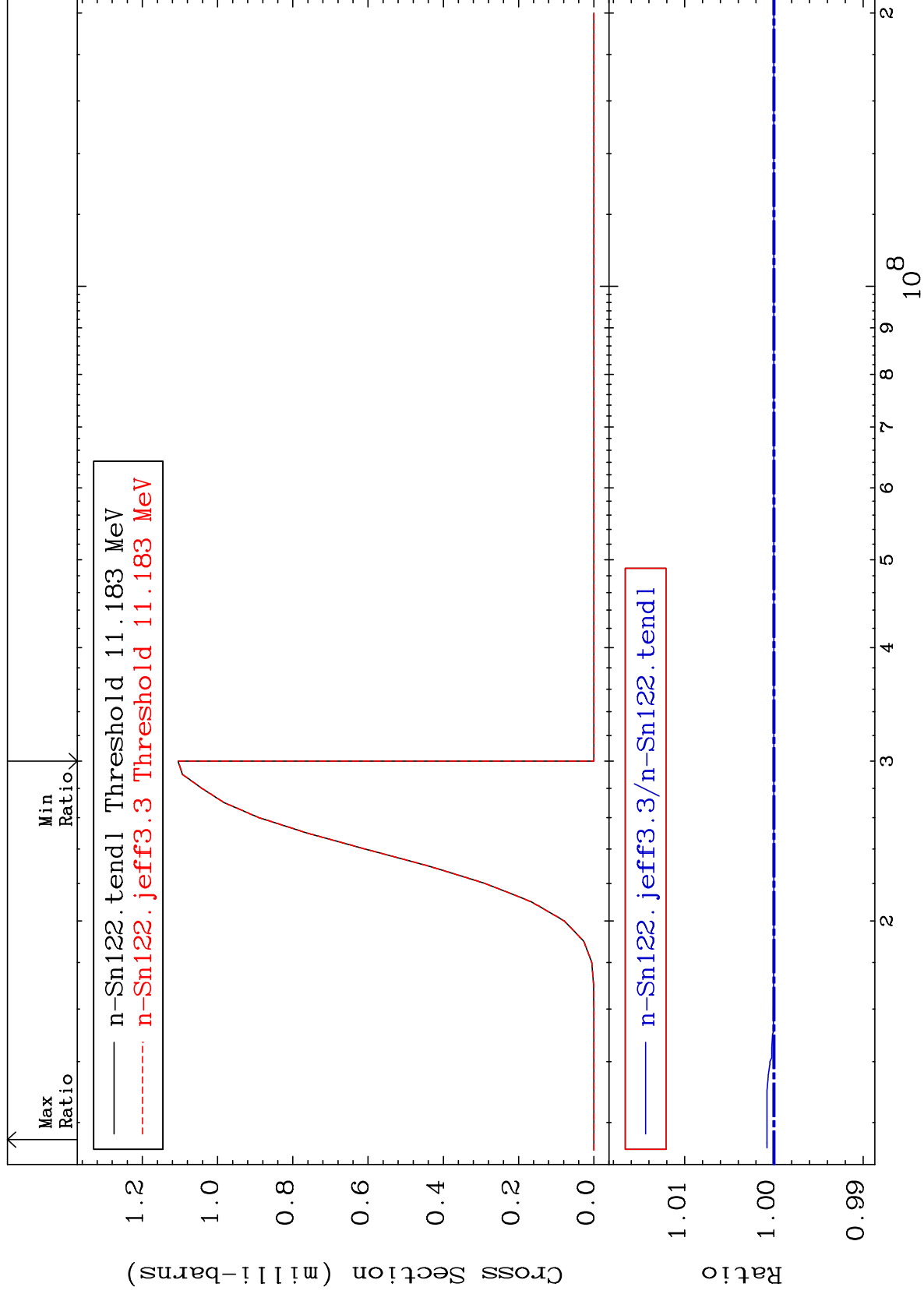


MAT 5055

(n, t) : 49-In-120g

50-Sn-122

Radionuclide Production Cross Section 0.000 To 0.078 %



99

Incident Energy (eV)

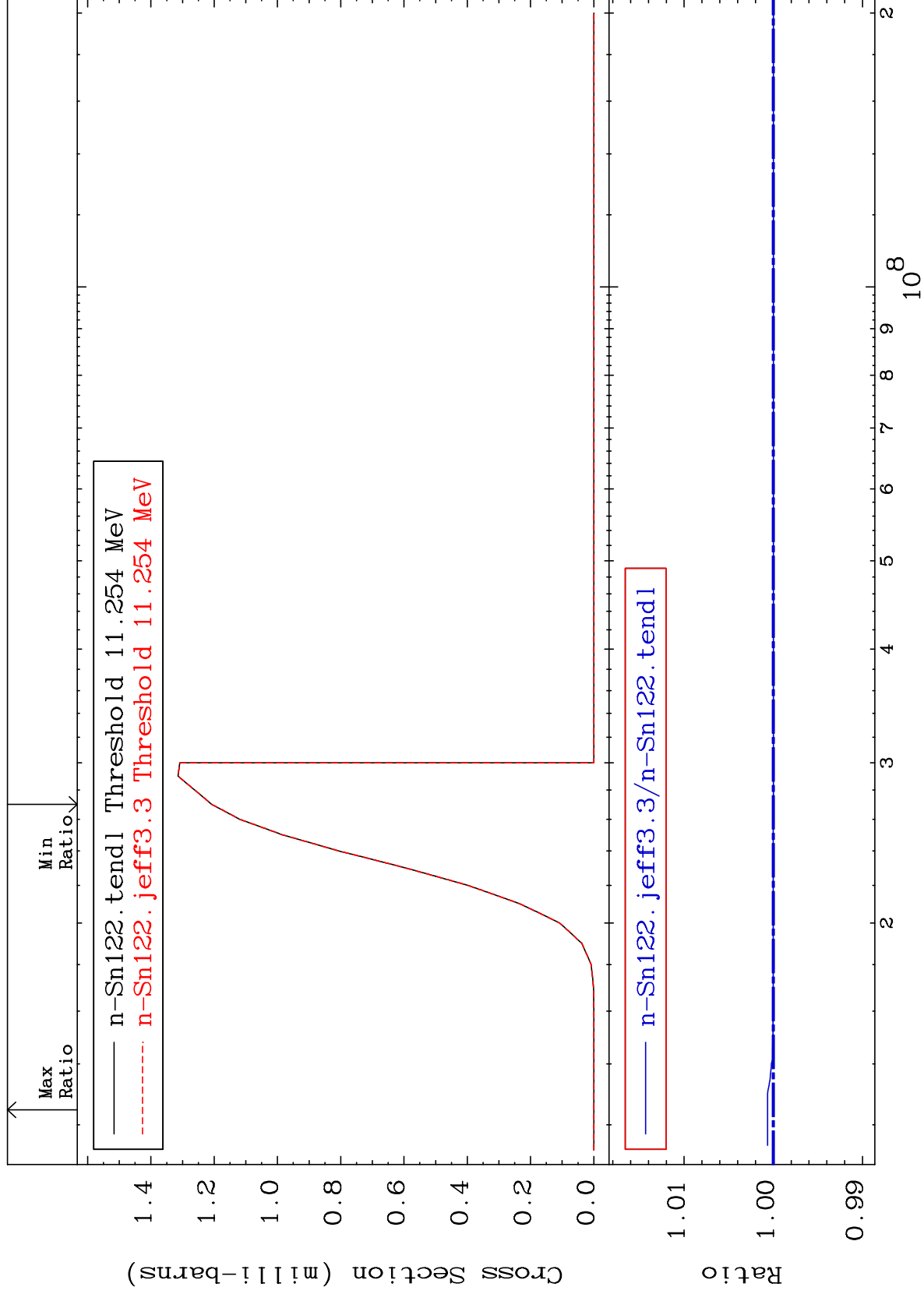
50-Sn-122

MAT 5055

(n, t) : 49-In-120m1

50-Sn-122

Radionuclide Production Cross Section 0.000 To 0.065 %



100

Incident Energy (eV)

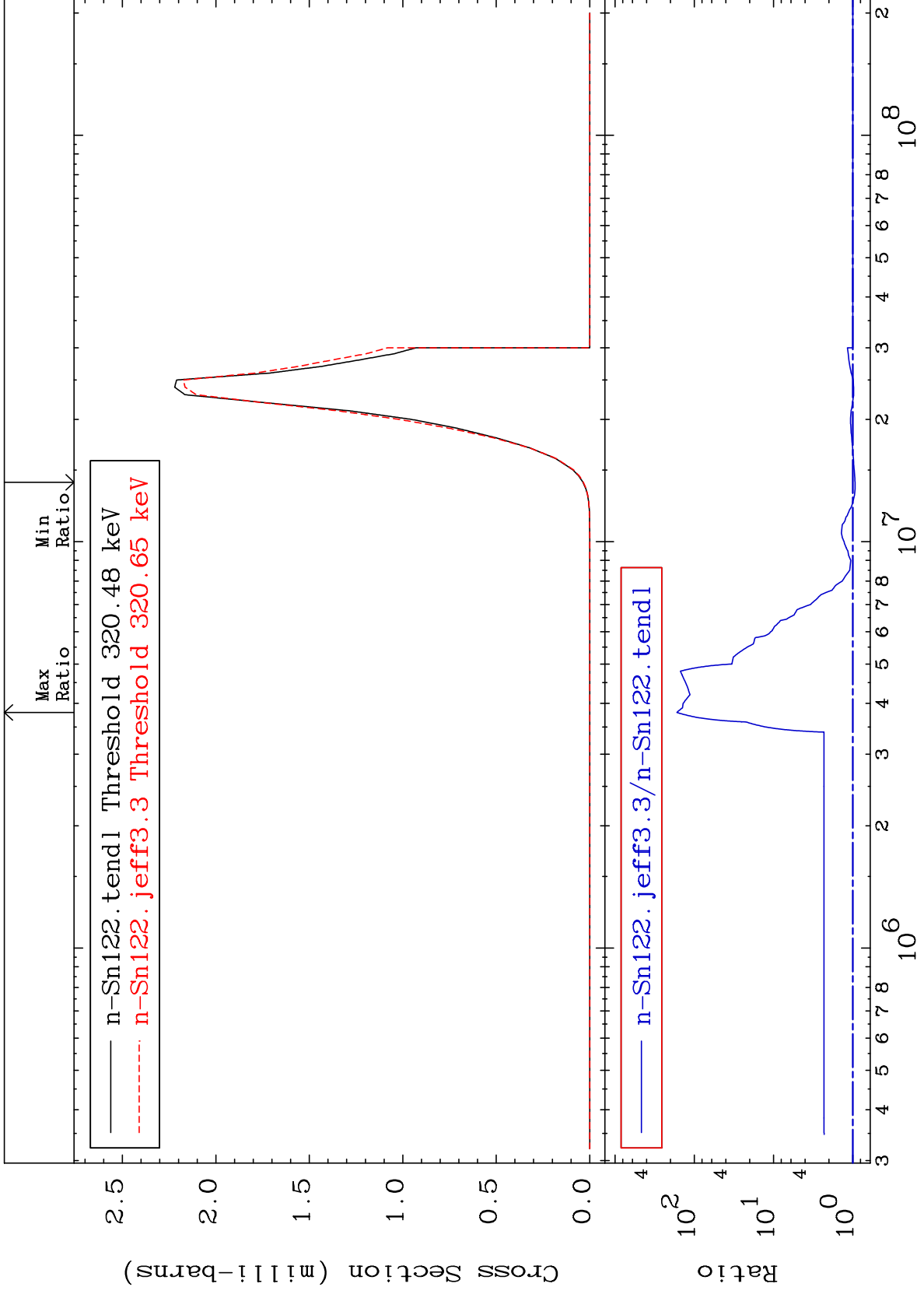
50-Sn-122

MAT 5055

(n,  $\alpha$ ): 48-Cd-119g

50-Sn-122

Radionuclide Production Cross Section -6.589 To 9999. %



101

Incident Energy (eV)

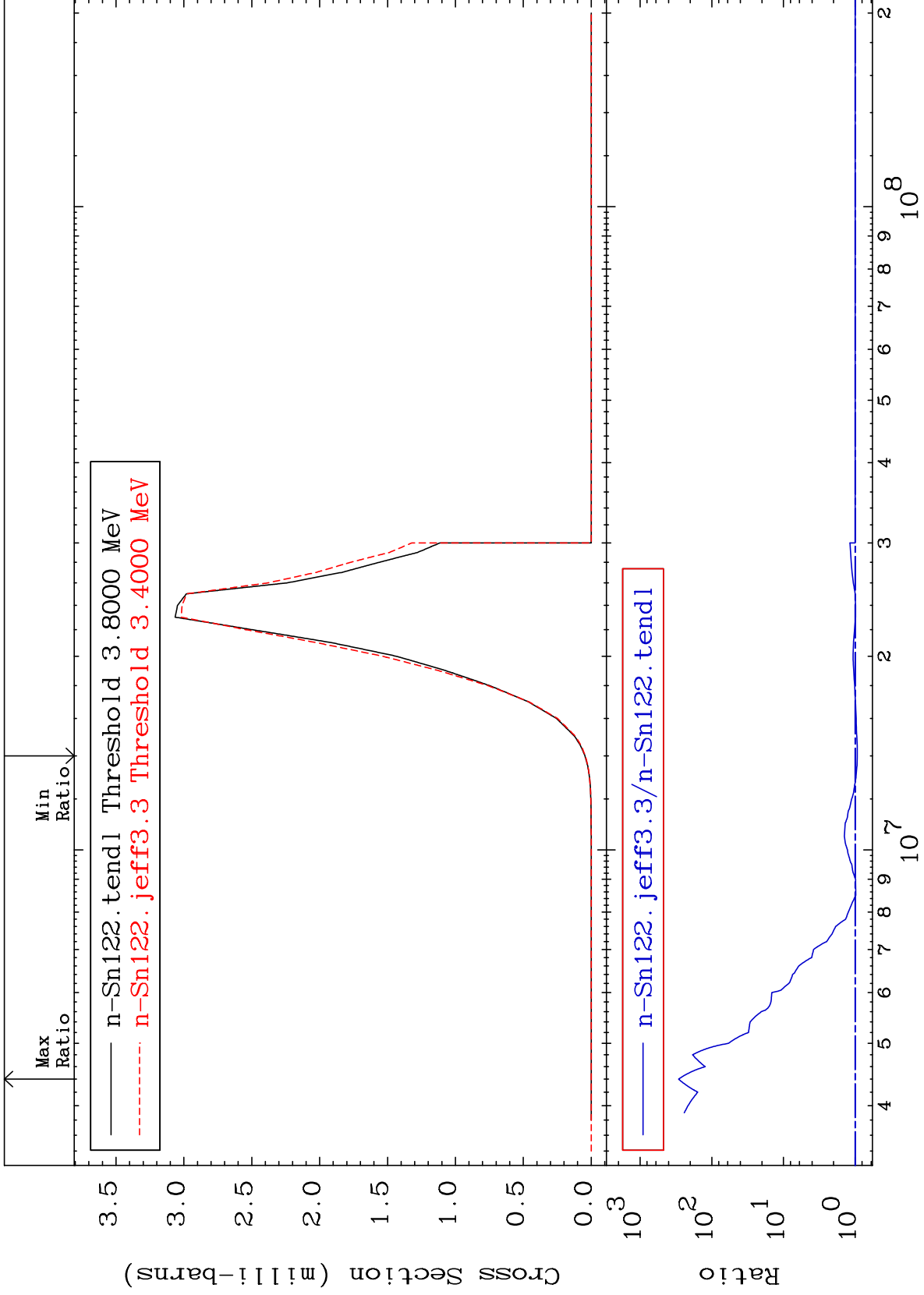
50-Sn-122

MAT 5055

(n,  $\alpha$ ): 48-Cd-119m2

50-Sn-122

Radionuclide Production Cross Section -6.445 To 9999. %



102

Incident Energy (eV)

50-Sn-122

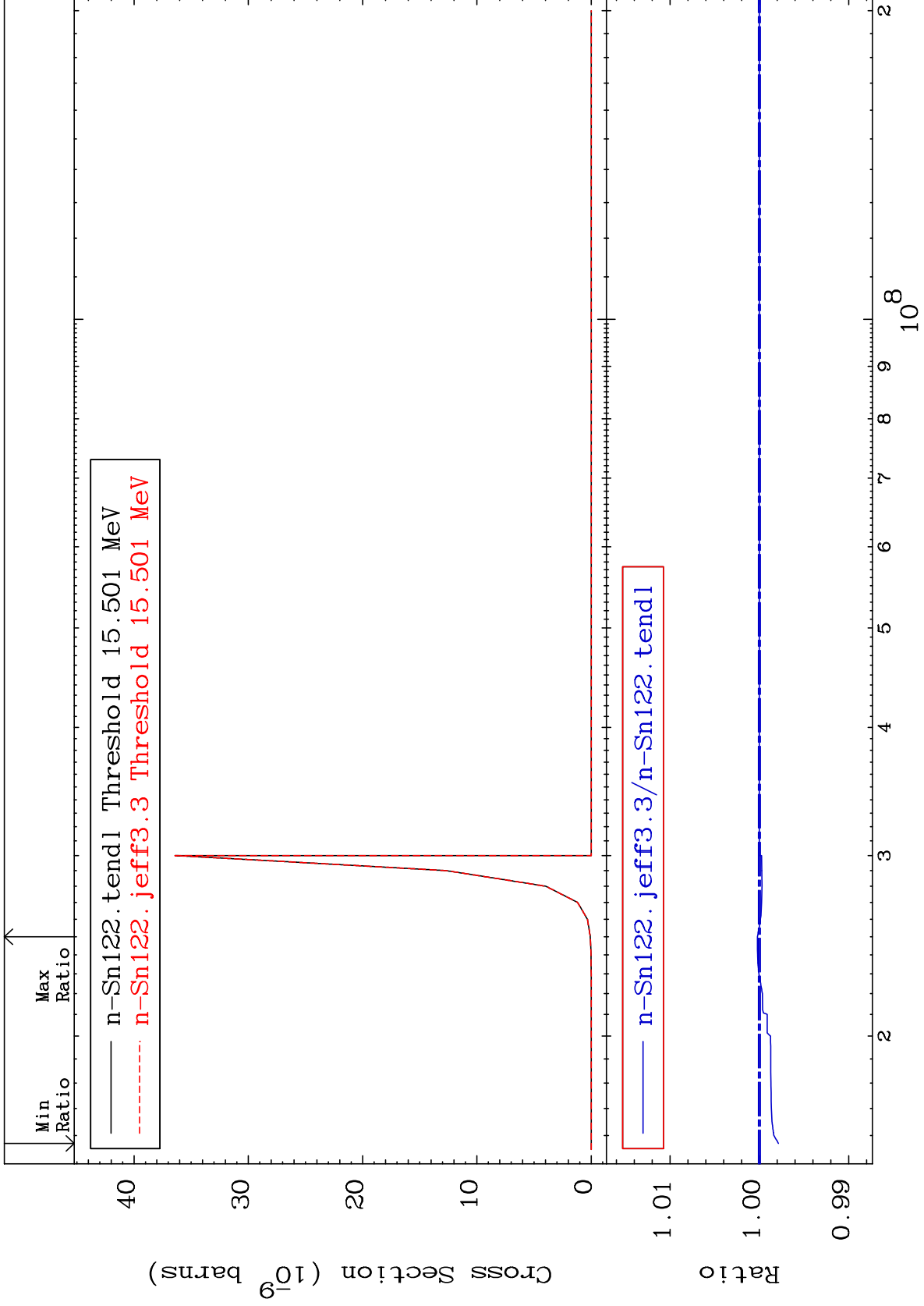
MAT 5055

(n,2p):48-Cd-121g

50-Sn-122

Radionuclide Production Cross Section

-0.214 To 0.022 %



103

Incident Energy (eV)

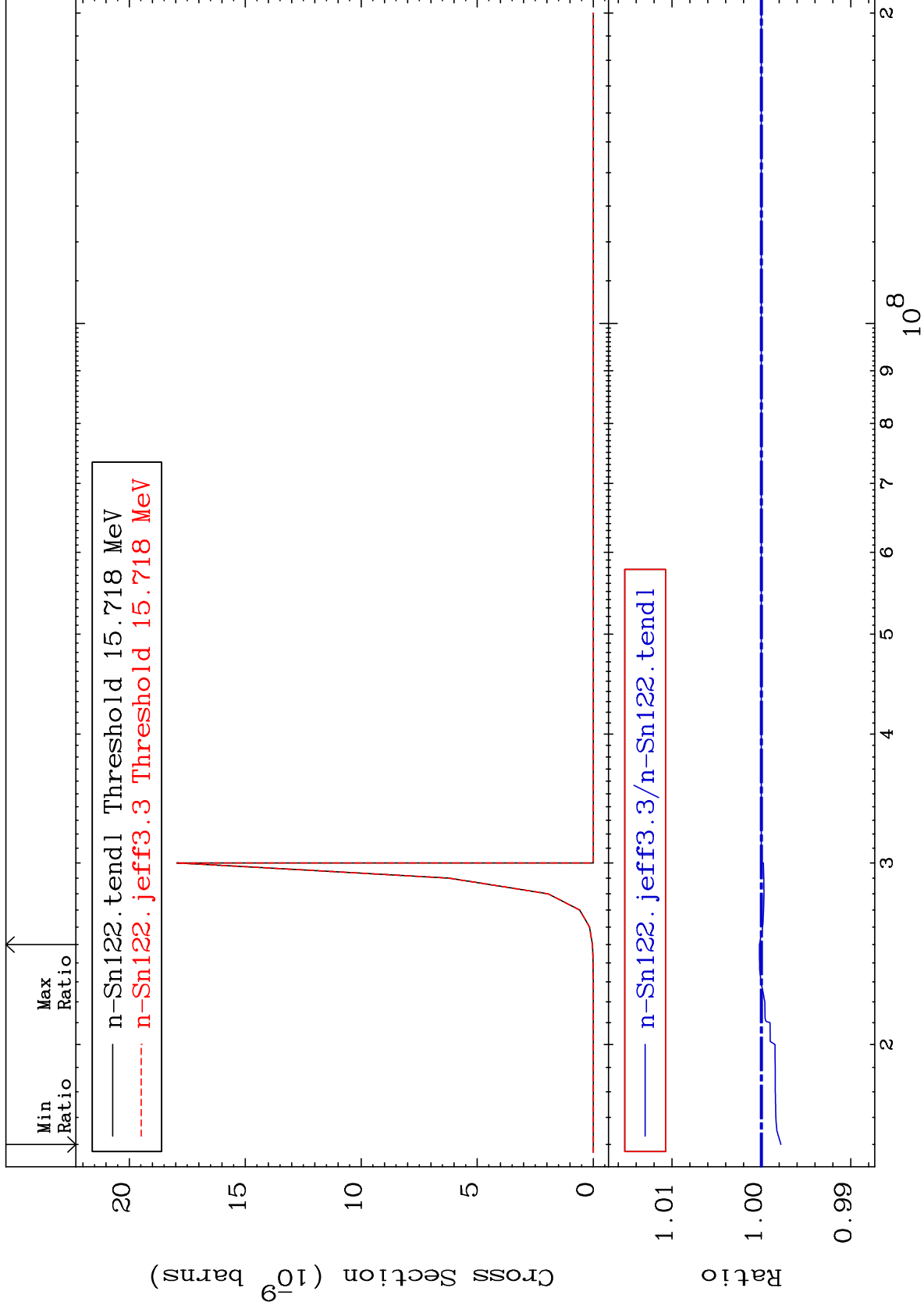
50-Sn-122

MAT 5055

(n,2p) : 48-Cd-121m2

50-Sn-122

Radionuclide Production Cross Section -0.218 To 0.022 %



104

Incident Energy (eV)

50-Sn-122



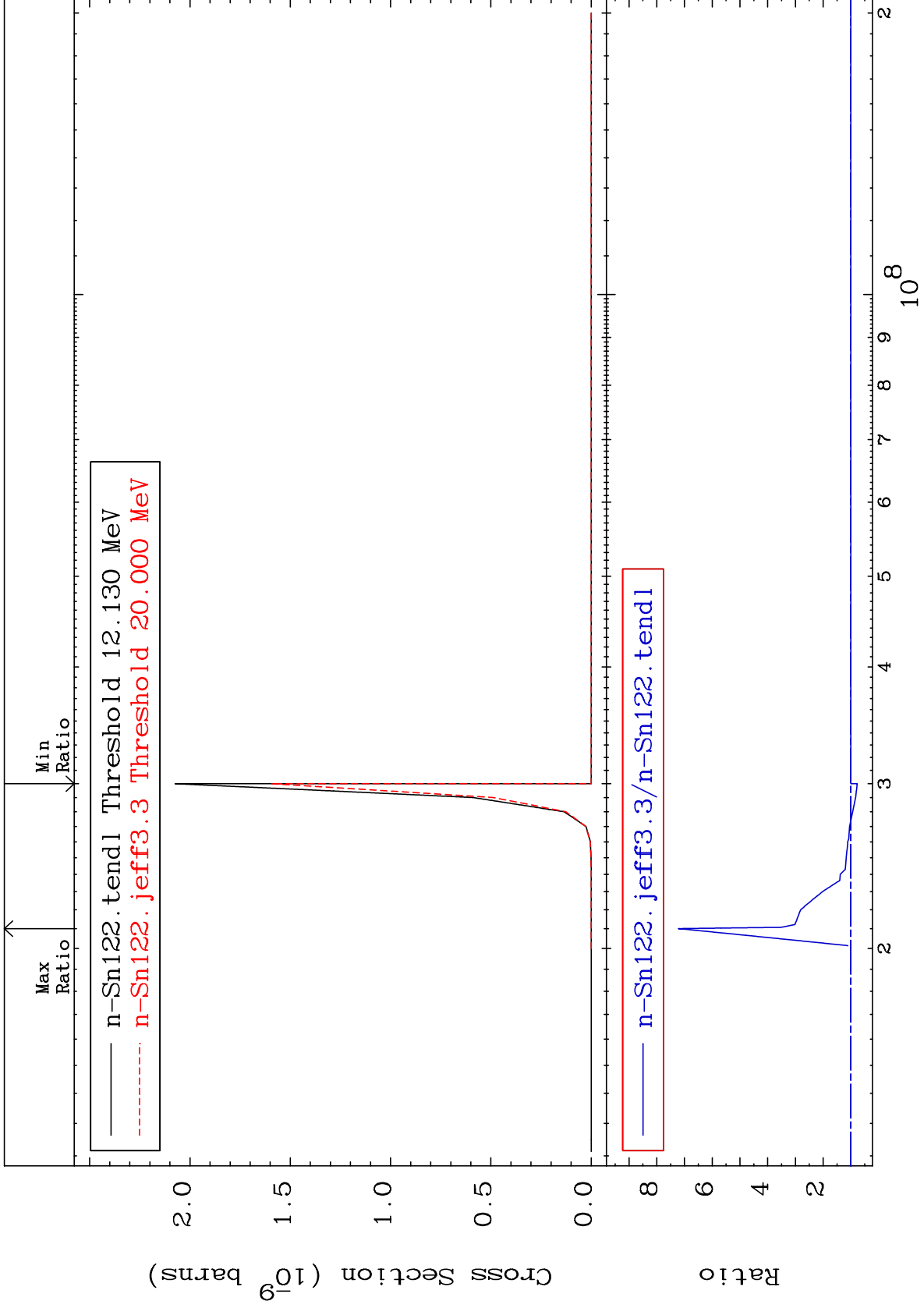
MAT 5055

(n, p)  $\alpha$ : 47-Ag-118g

50-Sn-122

Radionuclide Production Cross Section

-23.14 To 621.1 %



105

Incident Energy (eV)

50-Sn-122

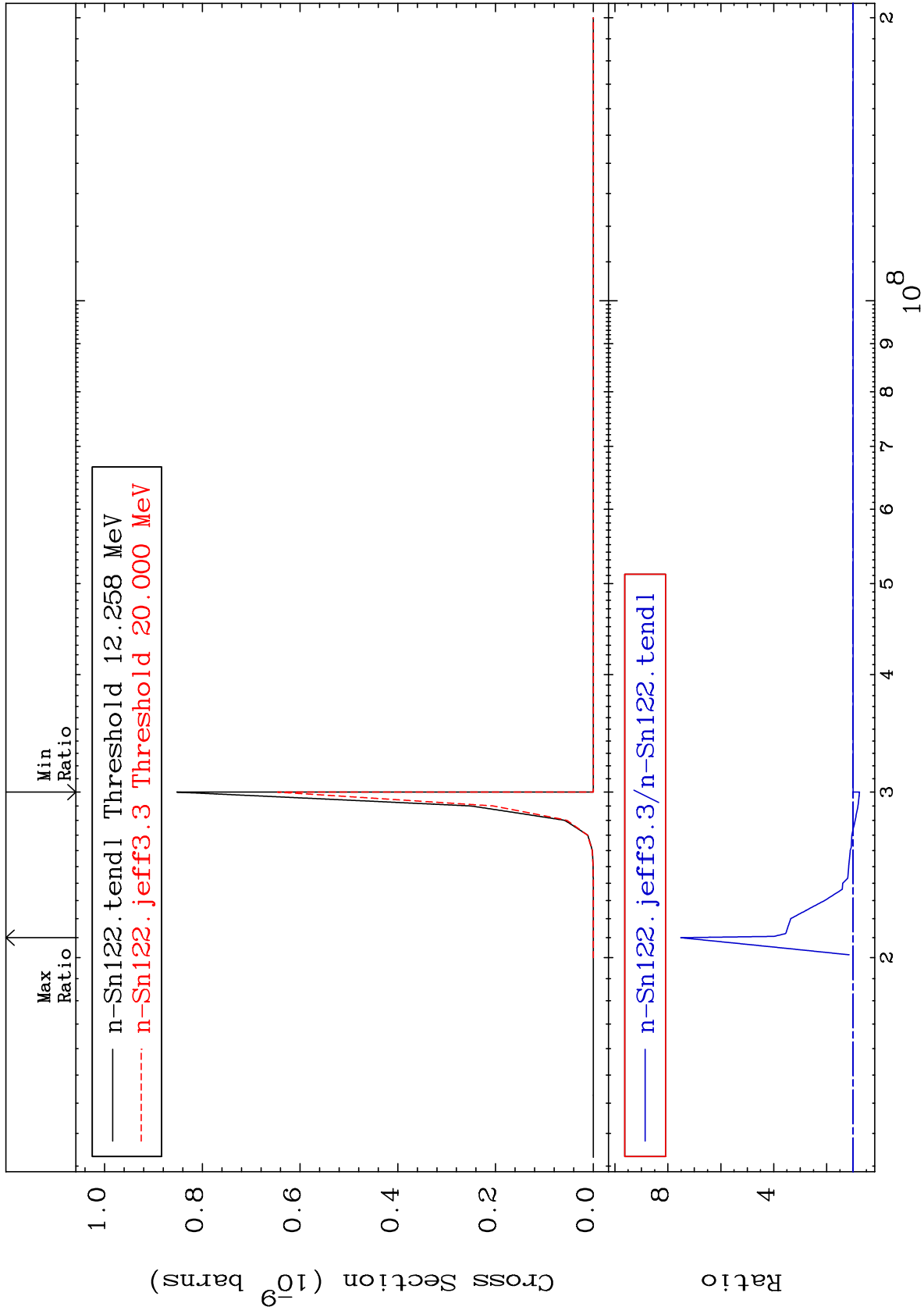
MAT 5055

(n, p)  $\alpha$ : 47-Ag-118m4

50-Sn-122

Radionuclide Production Cross Section

-24.19 To 651.2 %



106

Incident Energy (eV)

50-Sn-122