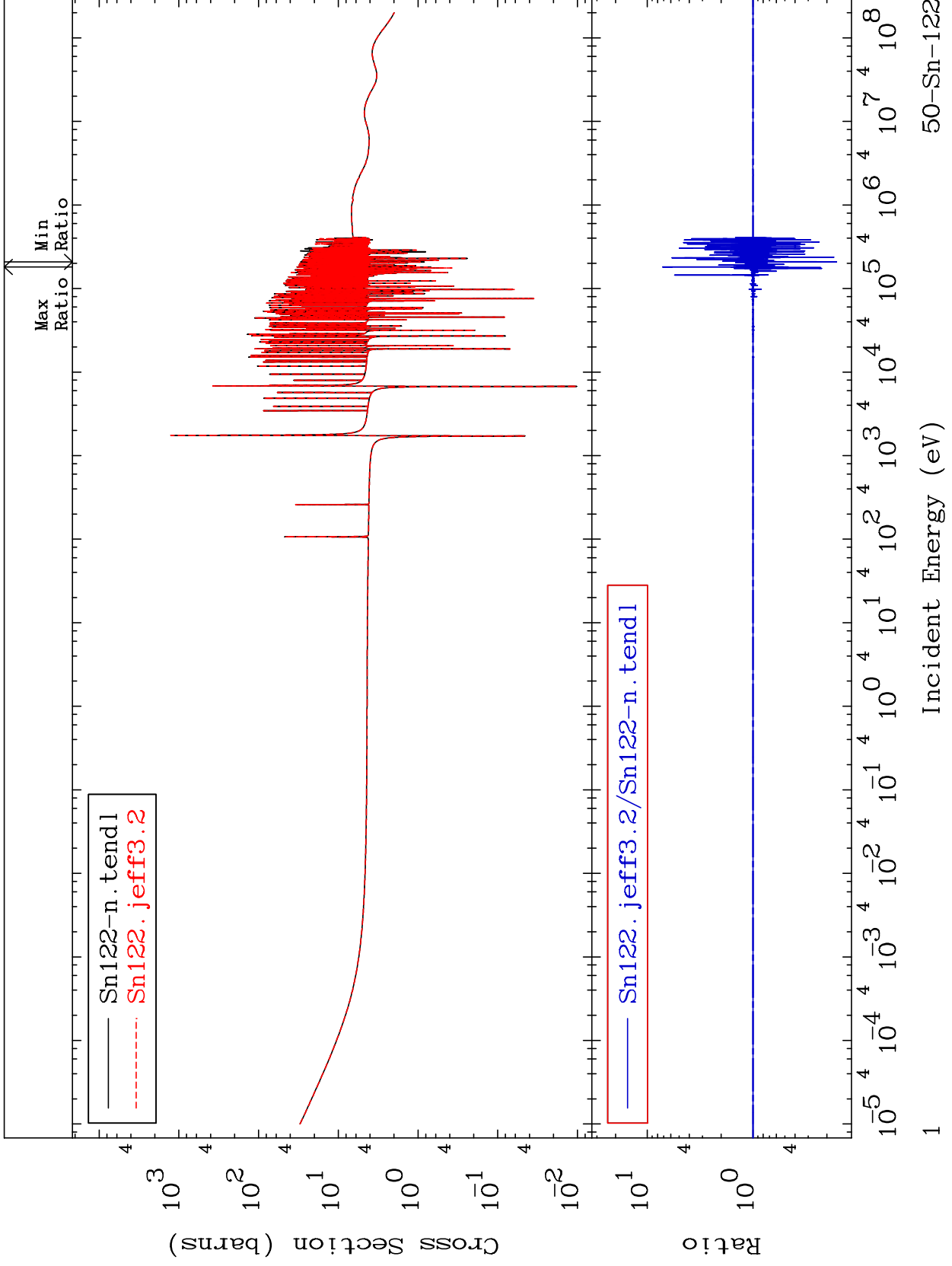


MAT 5055

Total  
Cross Section

50-Sn-122  
-83.84 To 621.0 %



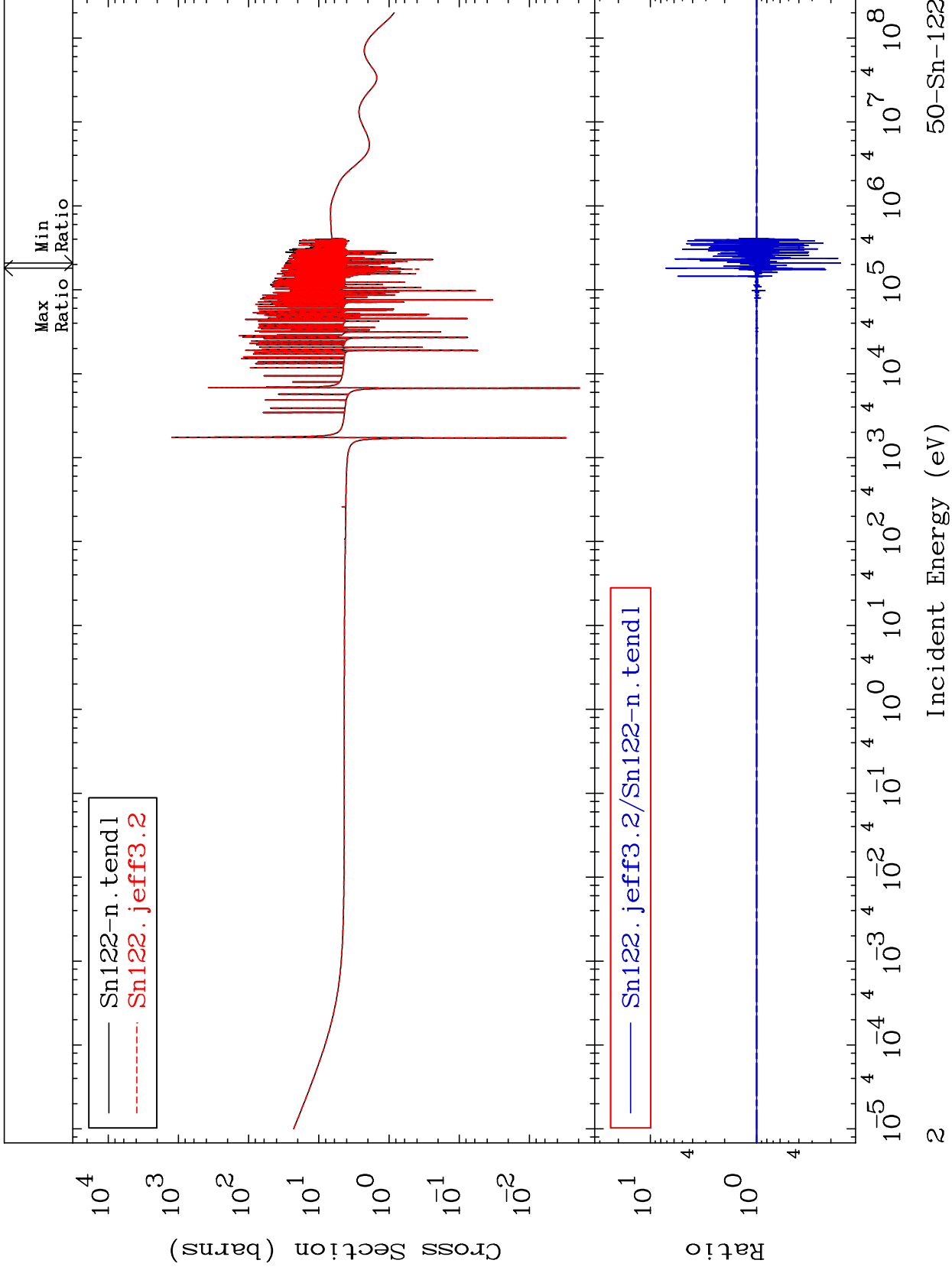
50-Sn-122

Incident Energy (eV)

MAT 5055

Elastic  
Cross Section

50-Sn-122  
-83.83 To 620.8 %



2

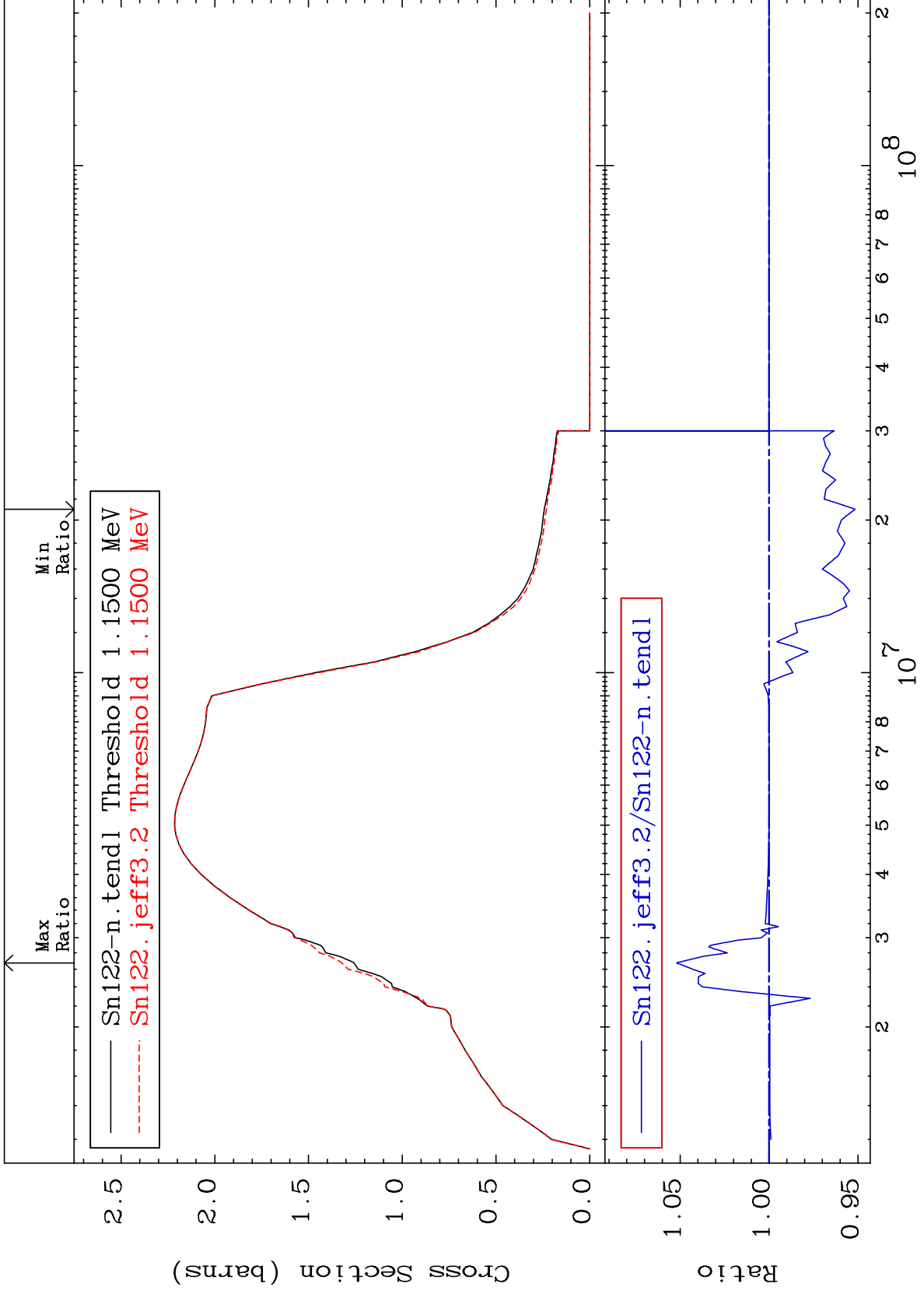
Incident Energy (eV)

50-Sn-122

MAT 5055

Inelastic  
Cross Section

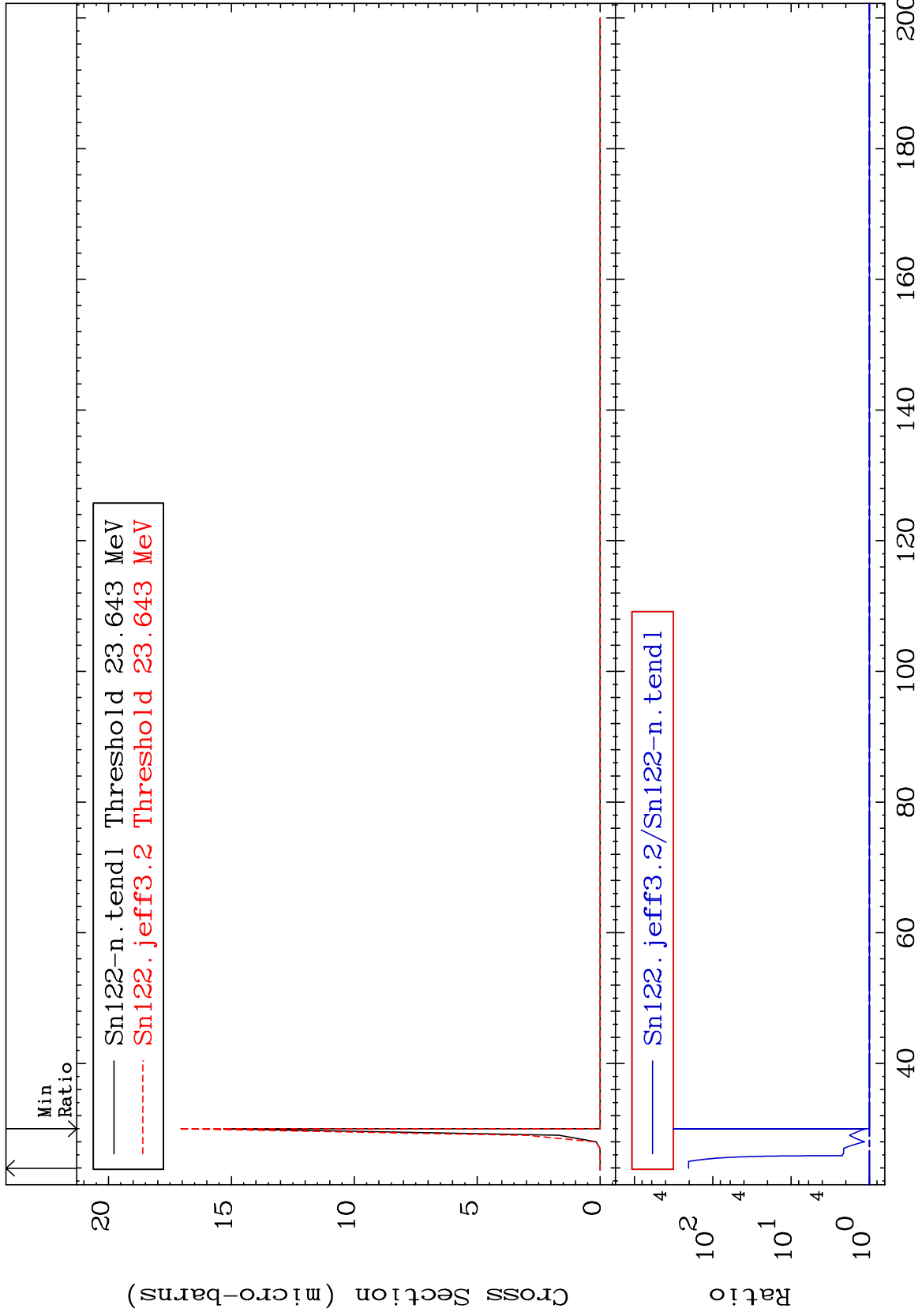
50-Sn-122  
-4.839 To 5.180 %



MAT 5055

(n,2n) d  
Cross Section

50-Sn-122  
To 9999. %  
0.000

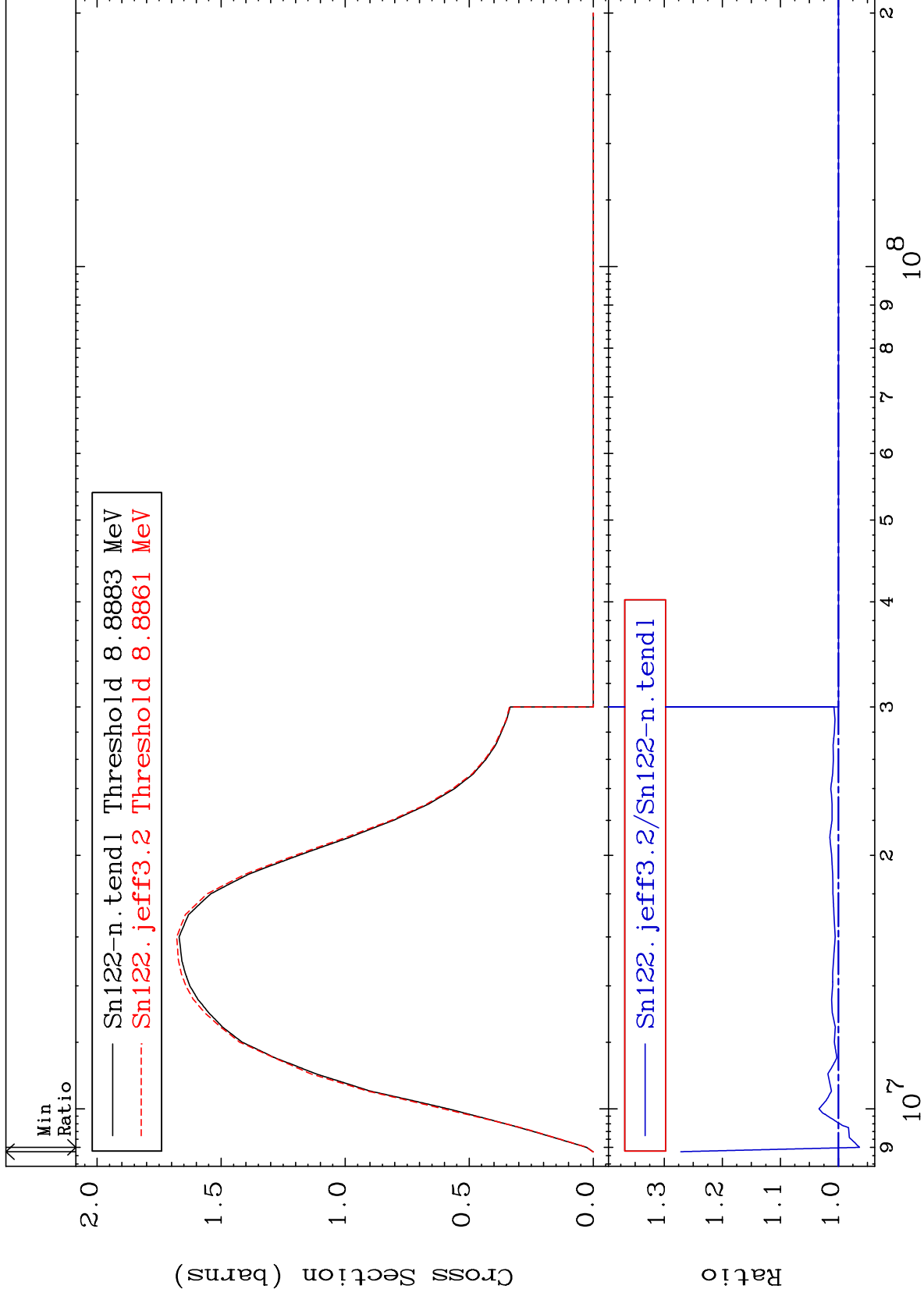


50-Sn-122

MAT 5055

(n,2n)  
Cross Section

50-Sn-122  
-3.639 To 27.15 %



50-Sn-122

Incident Energy (eV)

5

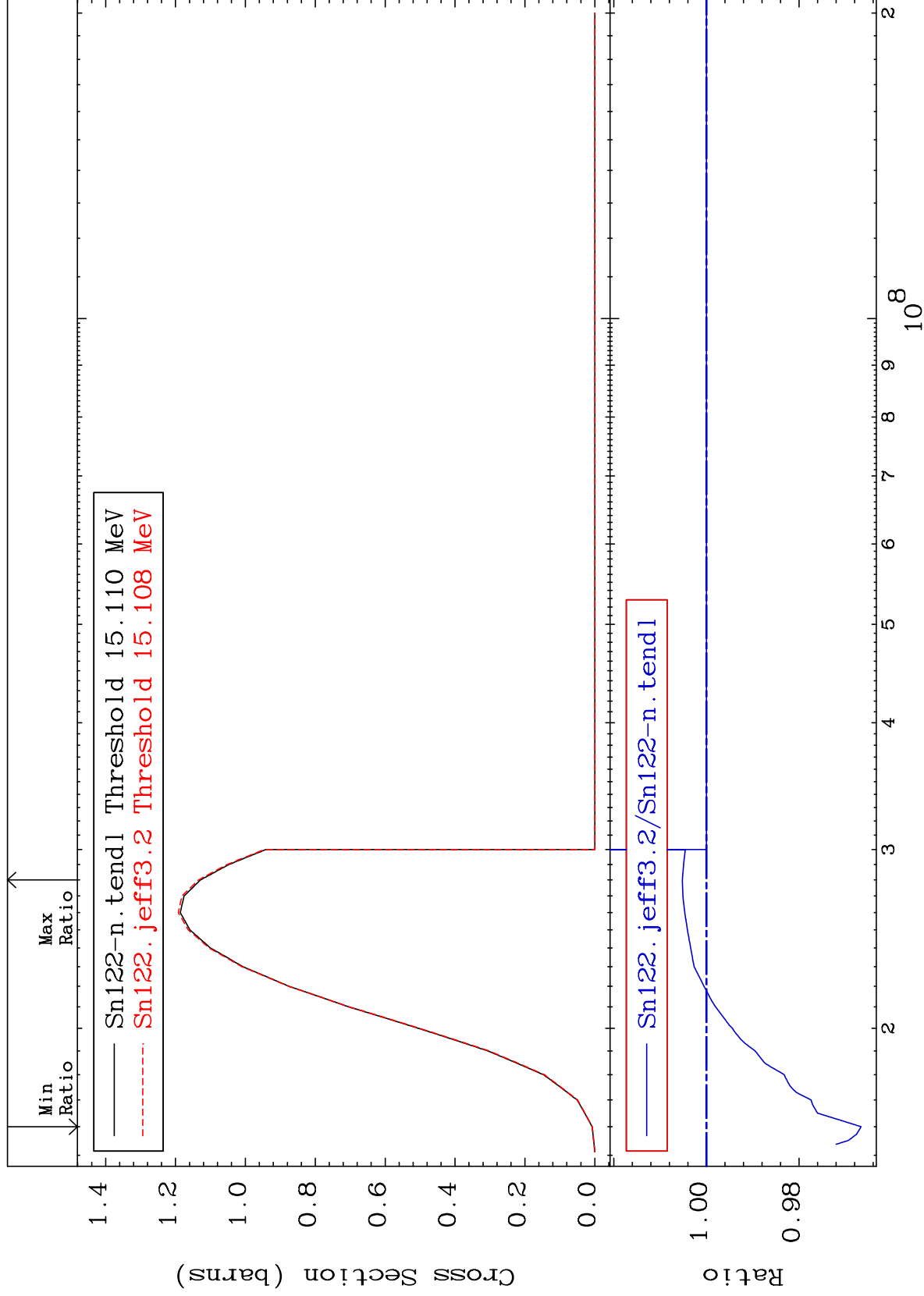
MAT 5055

(n,3n)

50-Sn-122

Cross Section

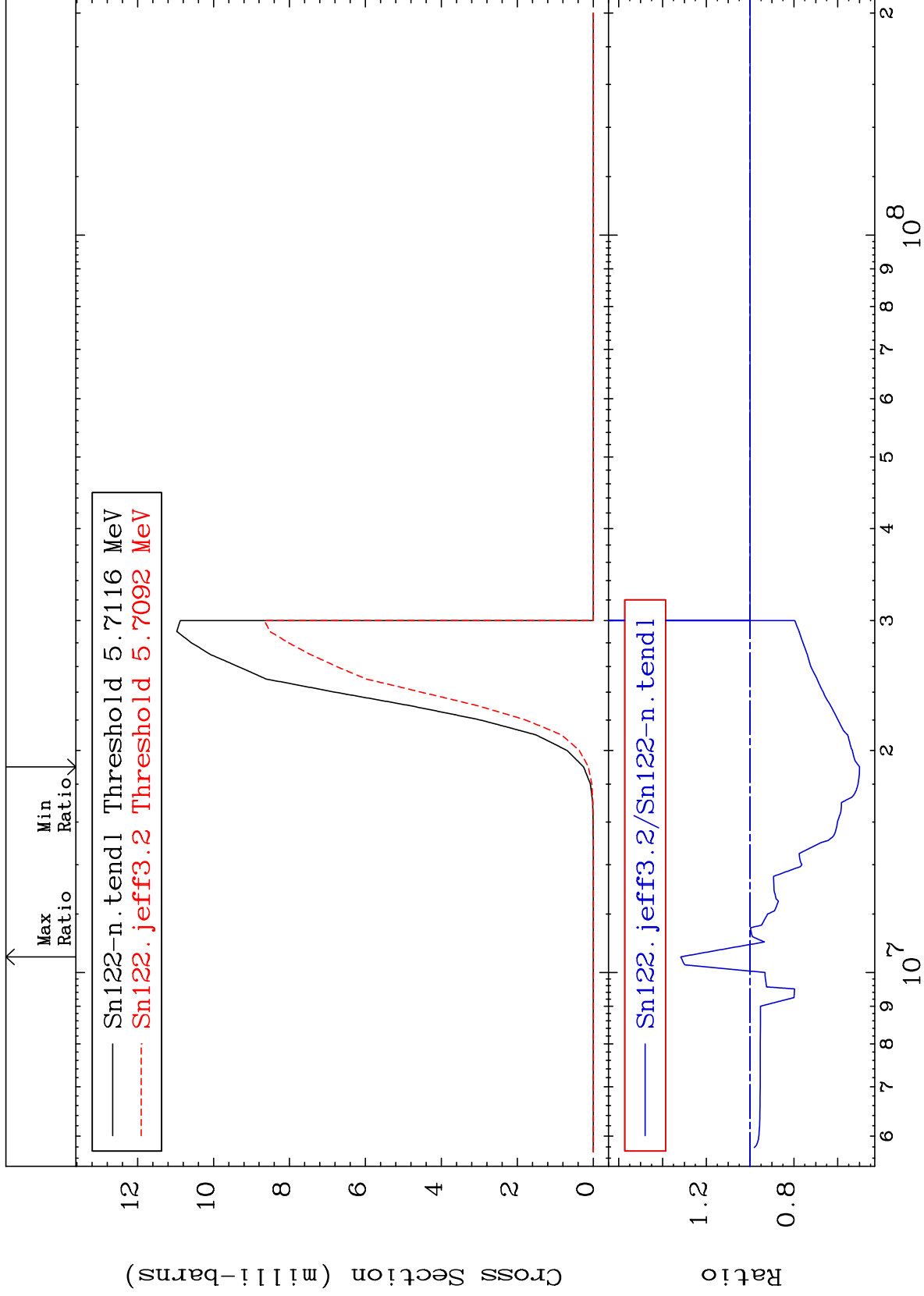
-3.340 To 0.520 %



MAT 5055

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

50-Sn-122  
-49.99 To 31.67 %



7

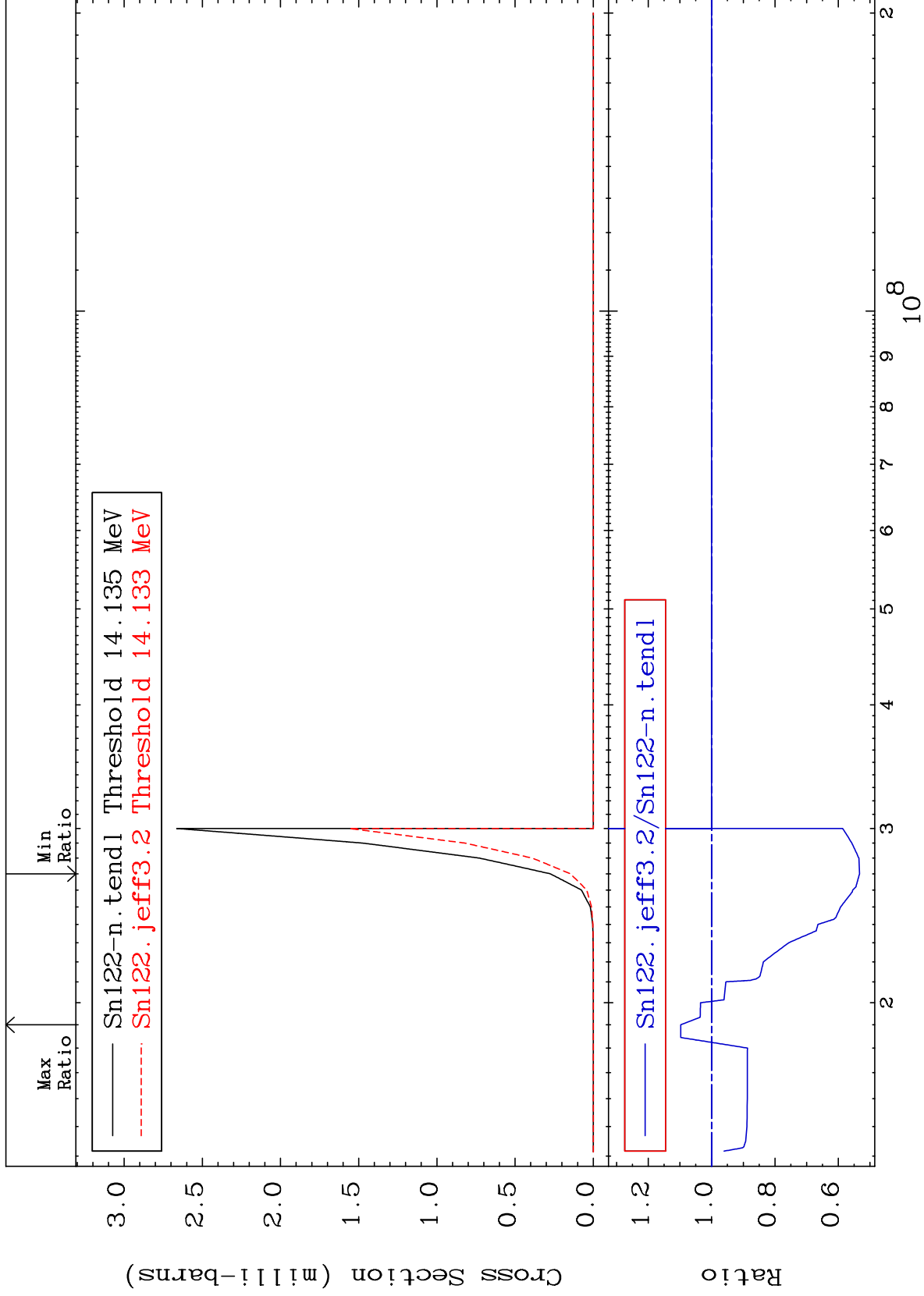
Incident Energy (eV)

50-Sn-122

MAT 5055

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

50-Sn-122  
-46.72 To 9.742 %

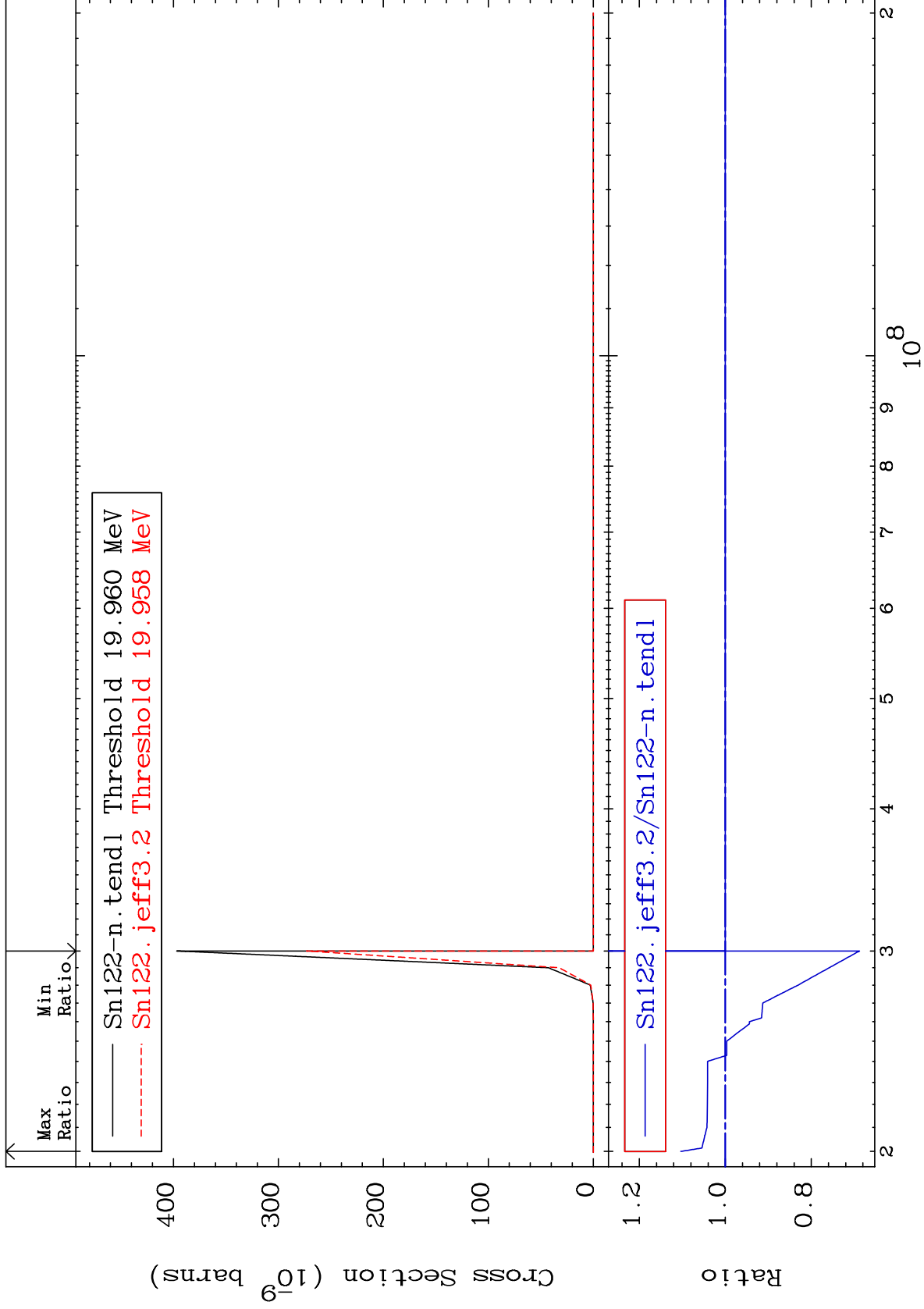




MAT 5055

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

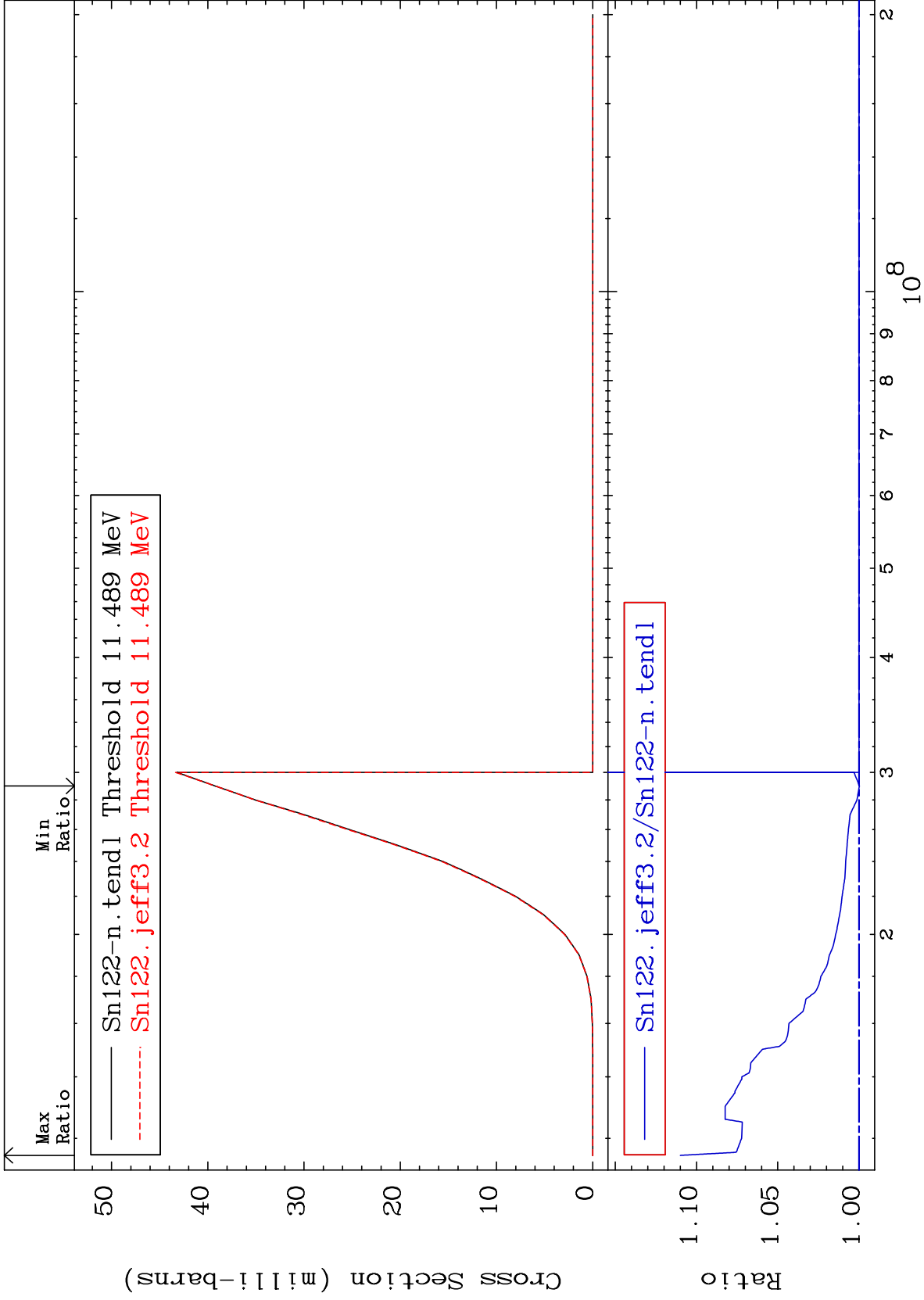
50-Sn-122  
-31.22 To 10.36 %



MAT 5055

(n, n') p  
Cross Section

50-Sn-122  
-0.023 To 10.99 %



10

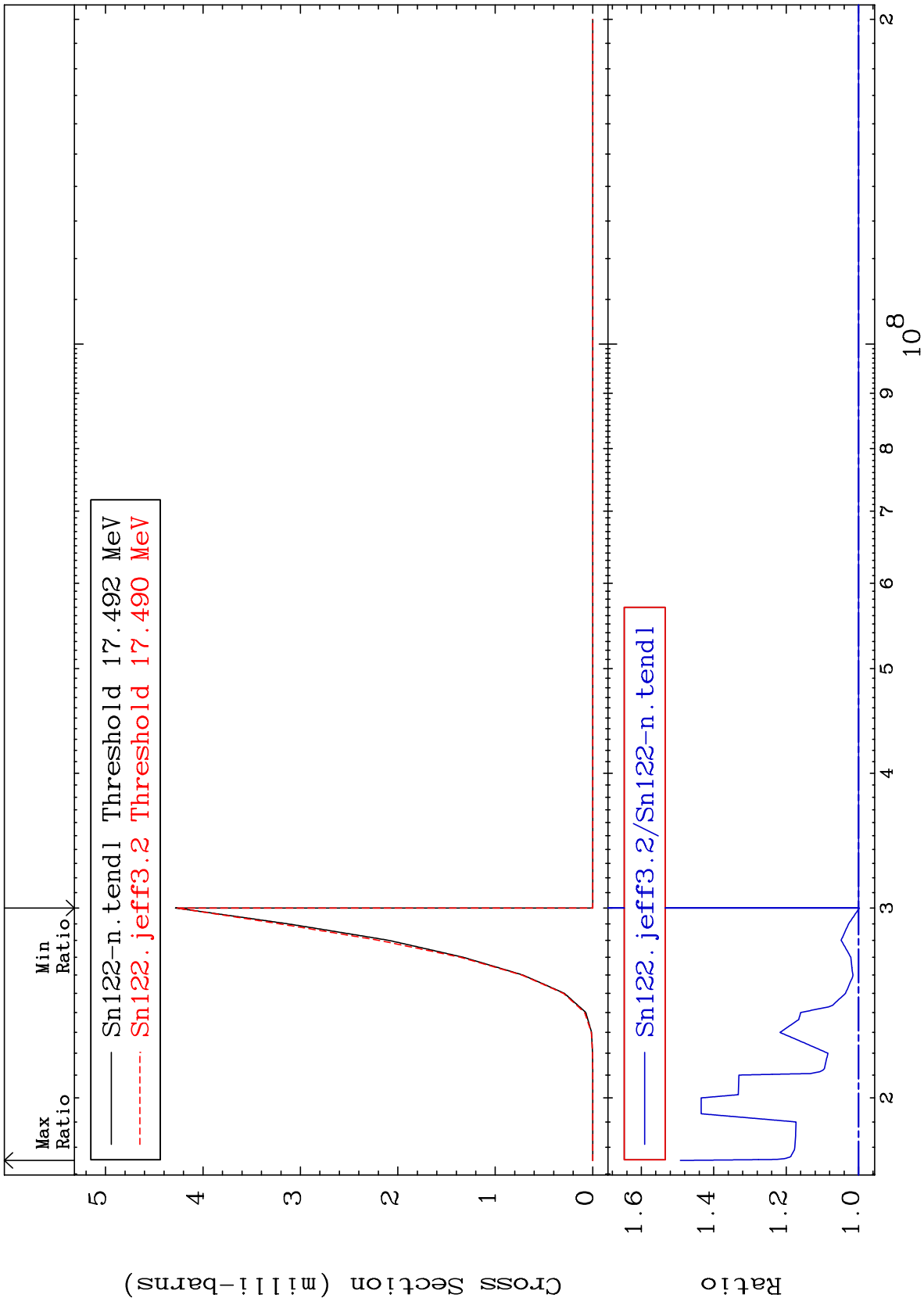
Incident Energy (eV)

50-Sn-122

MAT 5055

(n,n') d  
Cross Section

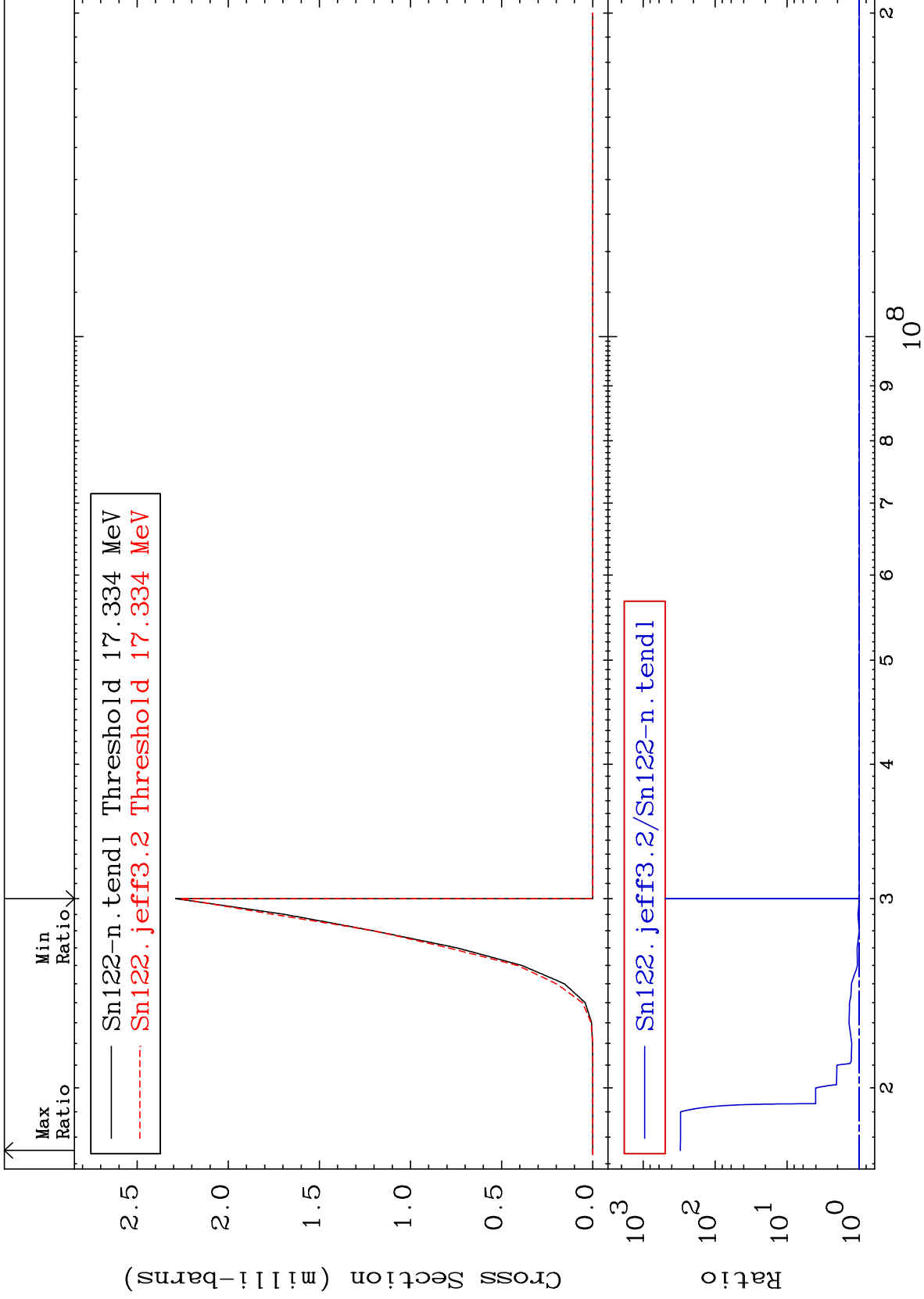
50-Sn-122  
-0.230 To 49.22 %



MAT 5055

(n,n') t  
Cross Section

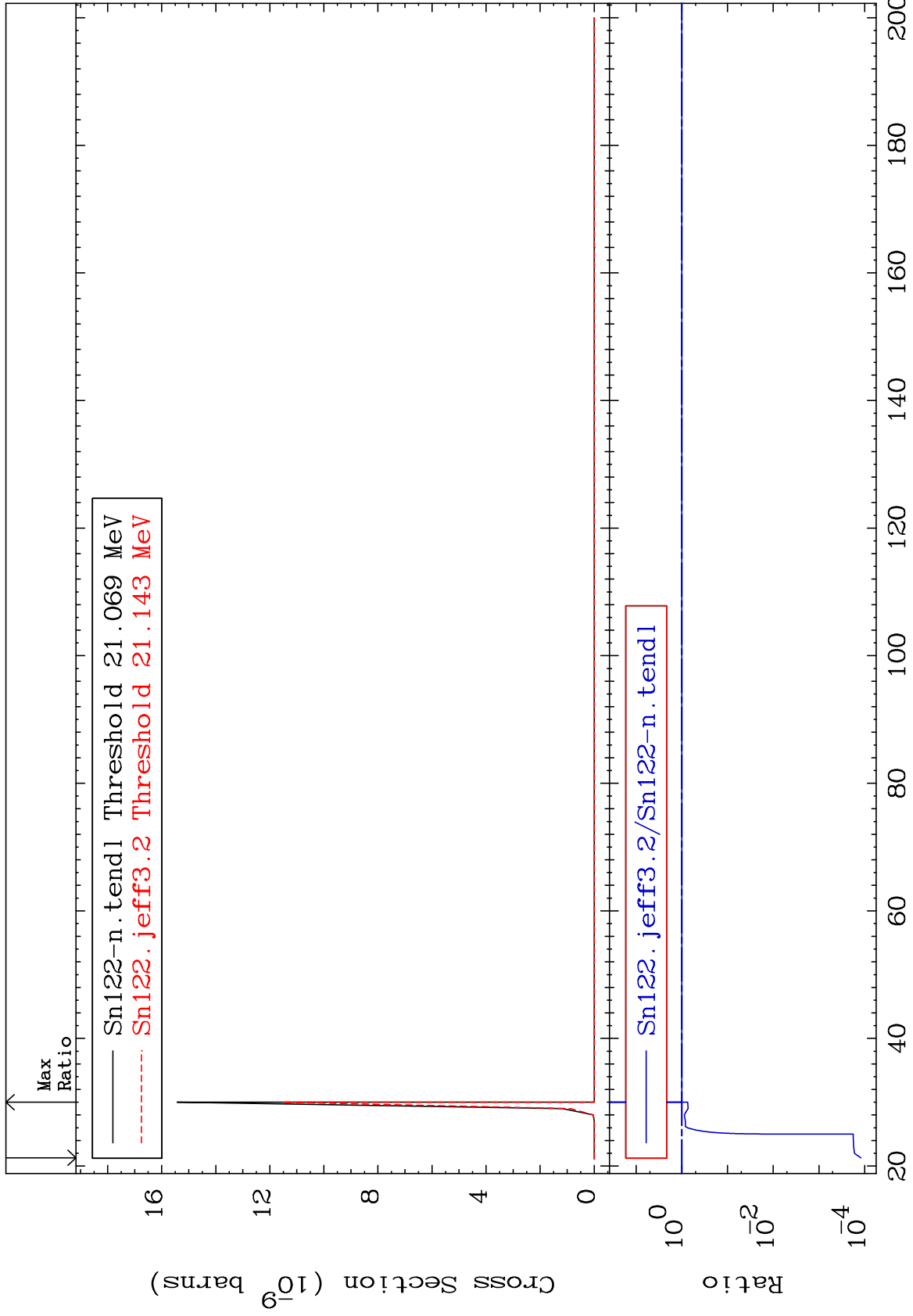
50-Sn-122  
-0.959 To 9999. %



MAT 5055

(n, n') He-3  
Cross Section

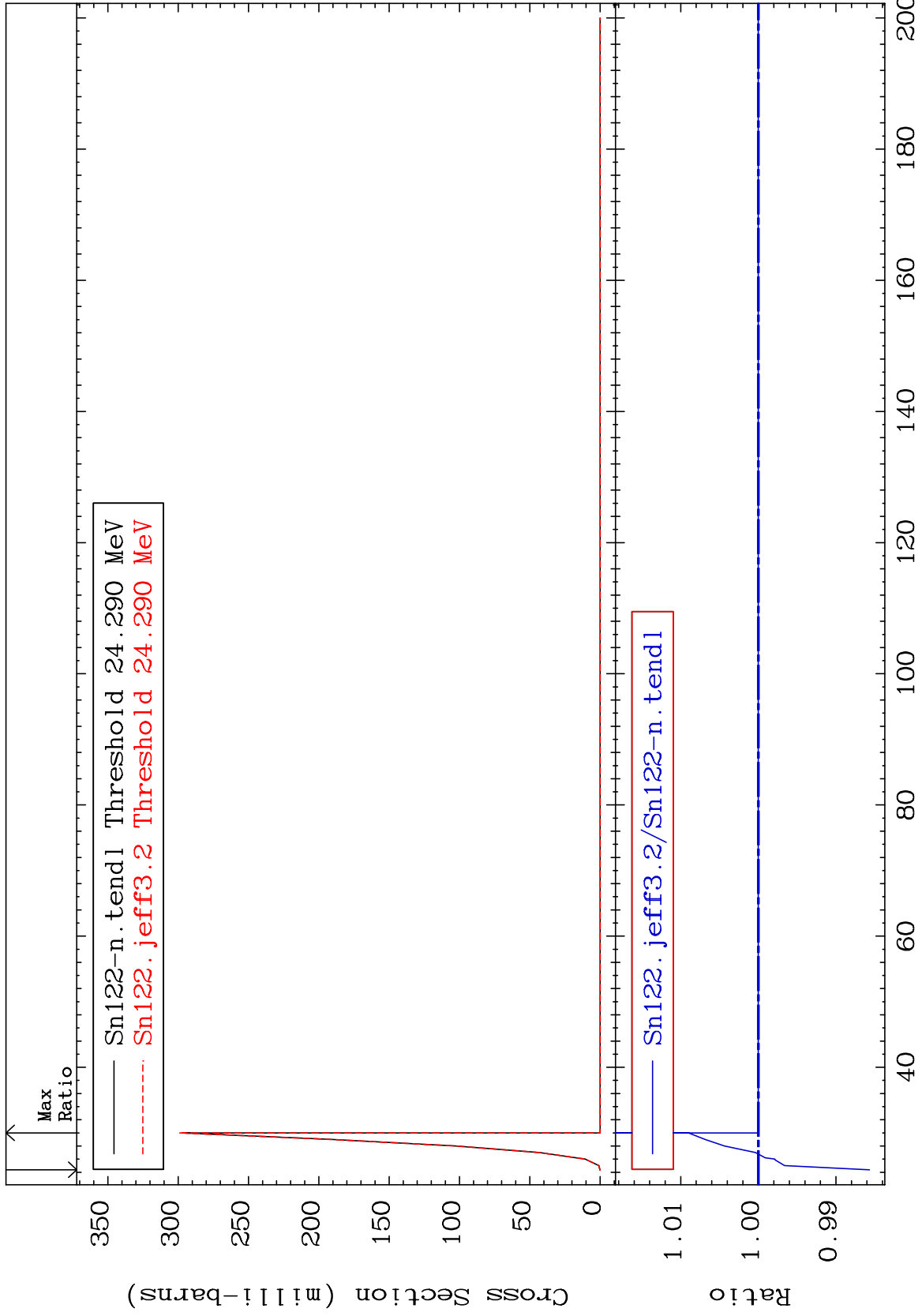
50-Sn-122  
-99.99 To 0.000 %



MAT 5055

(n,4n)  
Cross Section

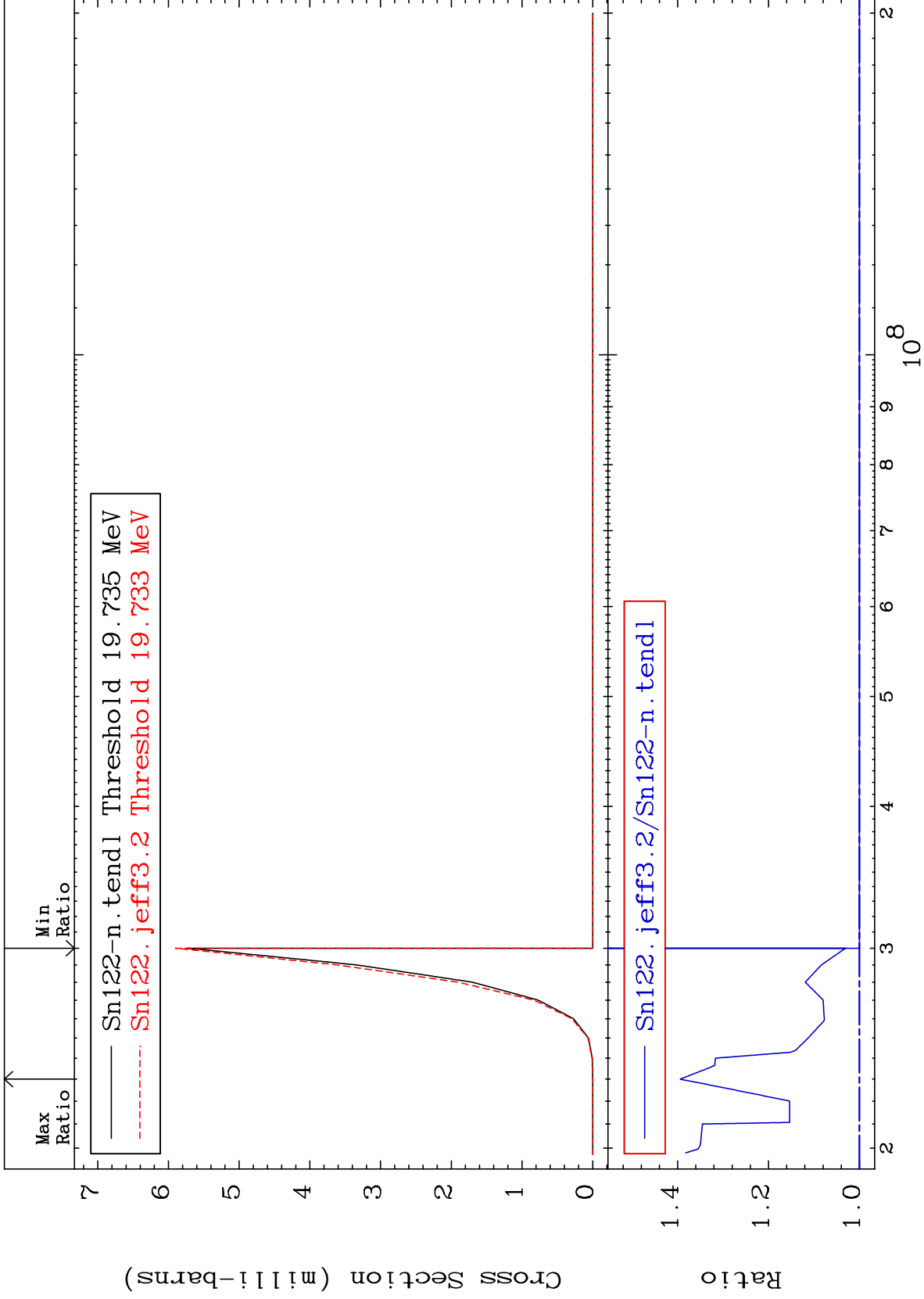
50-Sn-122  
-1.431 To 0.898 %



MAT 5055

(n,2n) p  
Cross Section

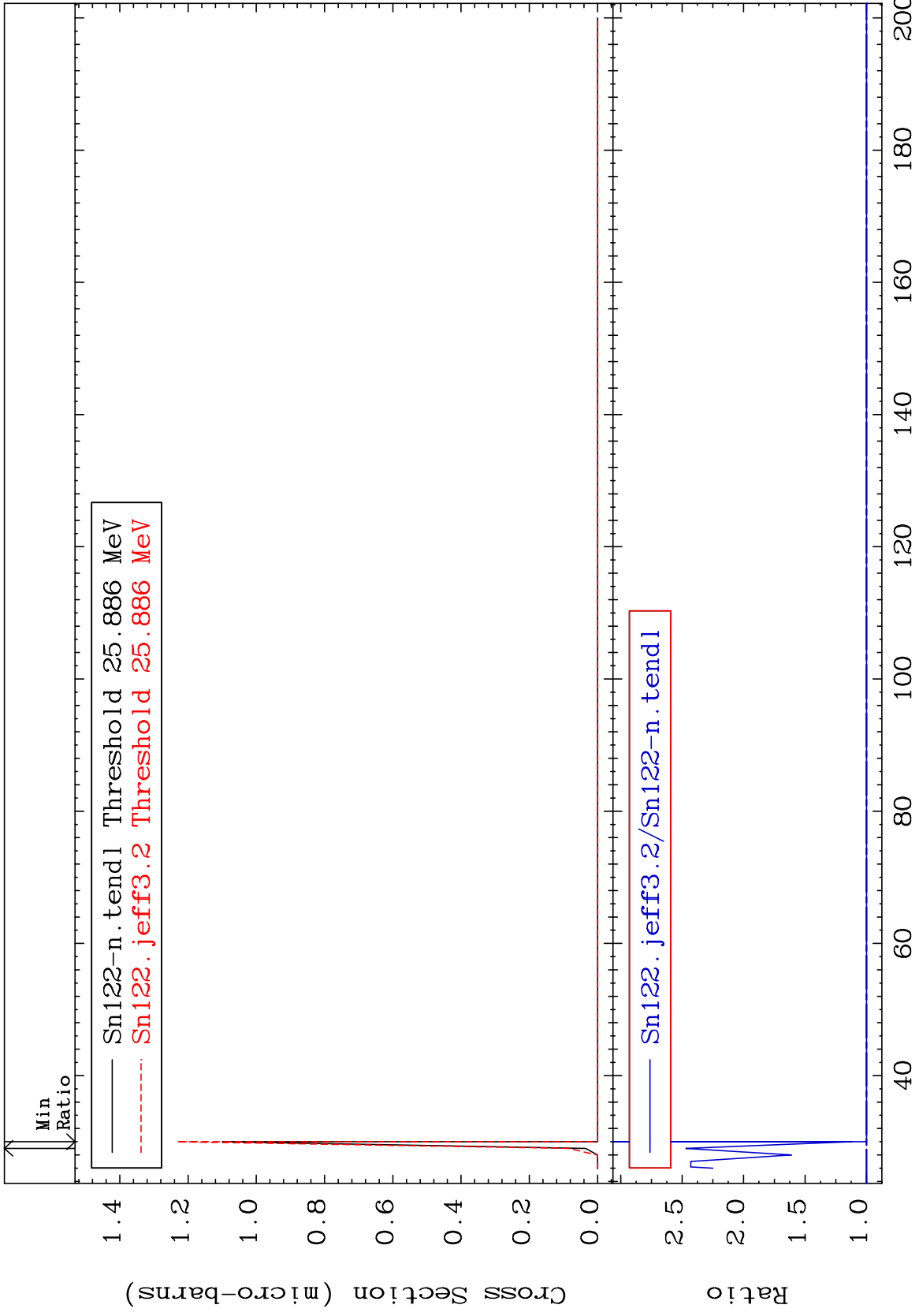
50-Sn-122  
To 39.40 %



MAT 5055

(n,3n) p  
Cross Section

50-Sn-122  
To 146.9 %

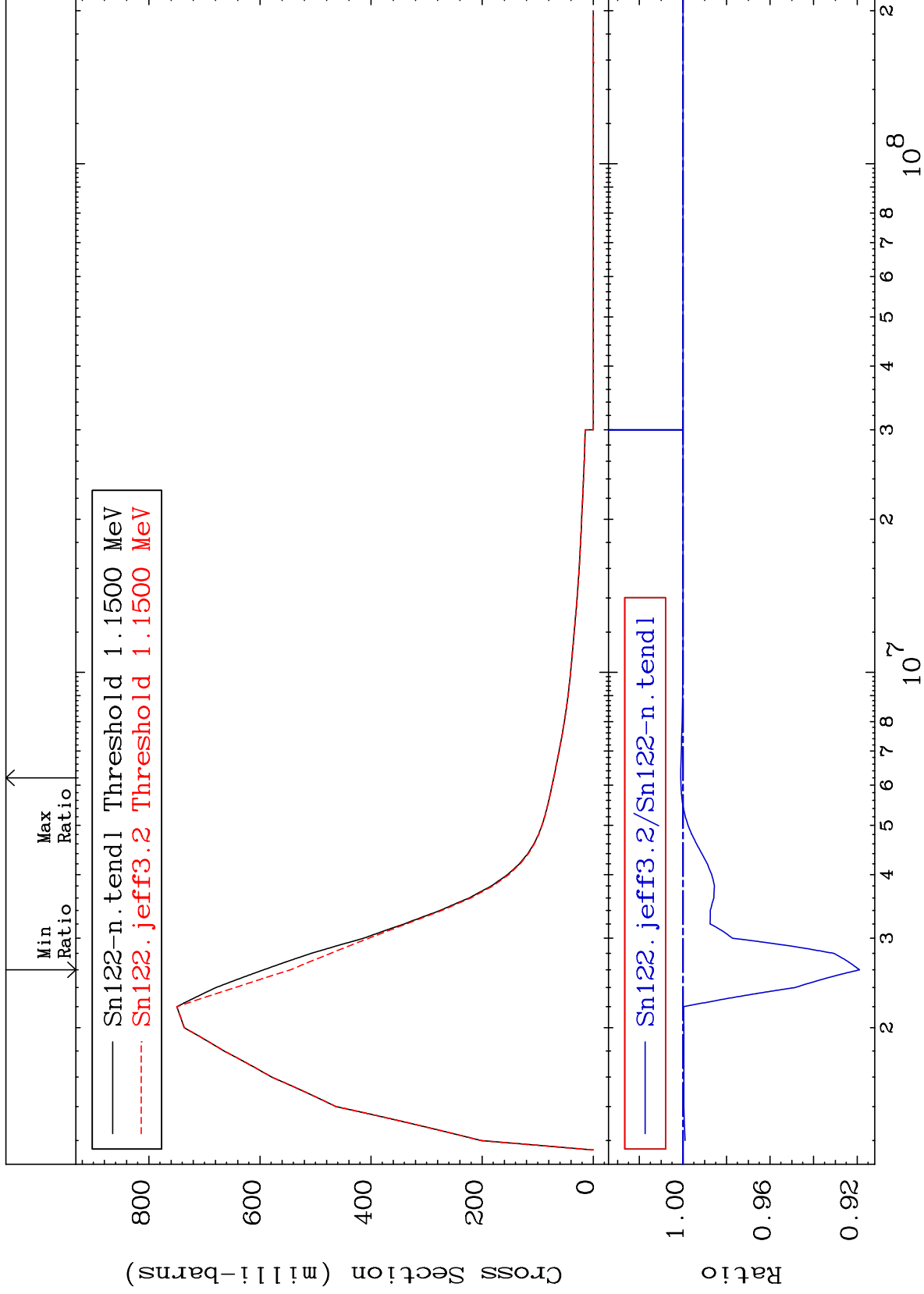




MAT 5055

1.141 MeV (n,n') Level  
Cross Section

50-Sn-122  
-8.108 To 0.100 %



17

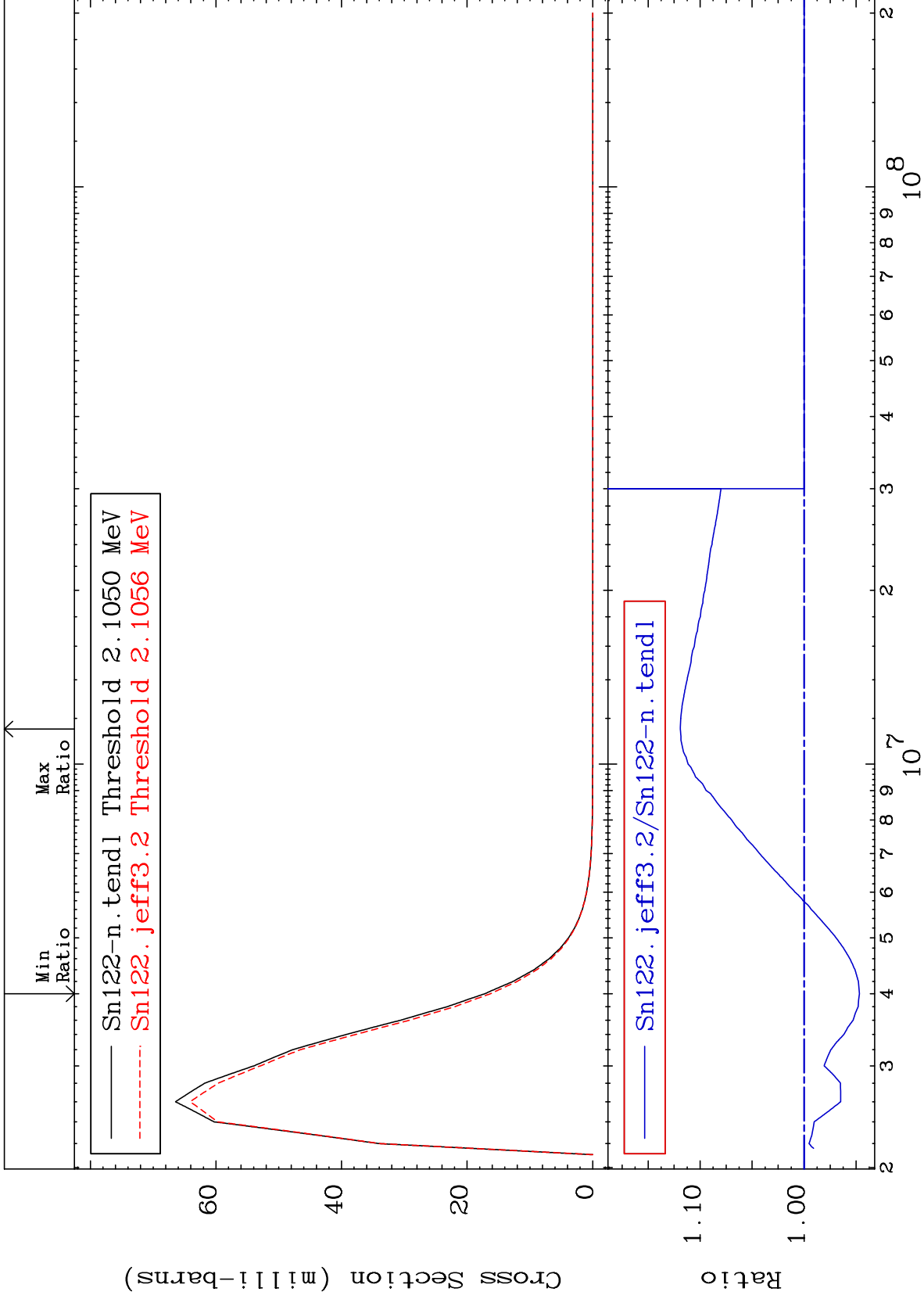
Incident Energy (eV)

50-Sn-122

MAT 5055

2.088 MeV (n,n') Level  
Cross Section

50-Sn-122  
-5.313 To 11.90 %



18

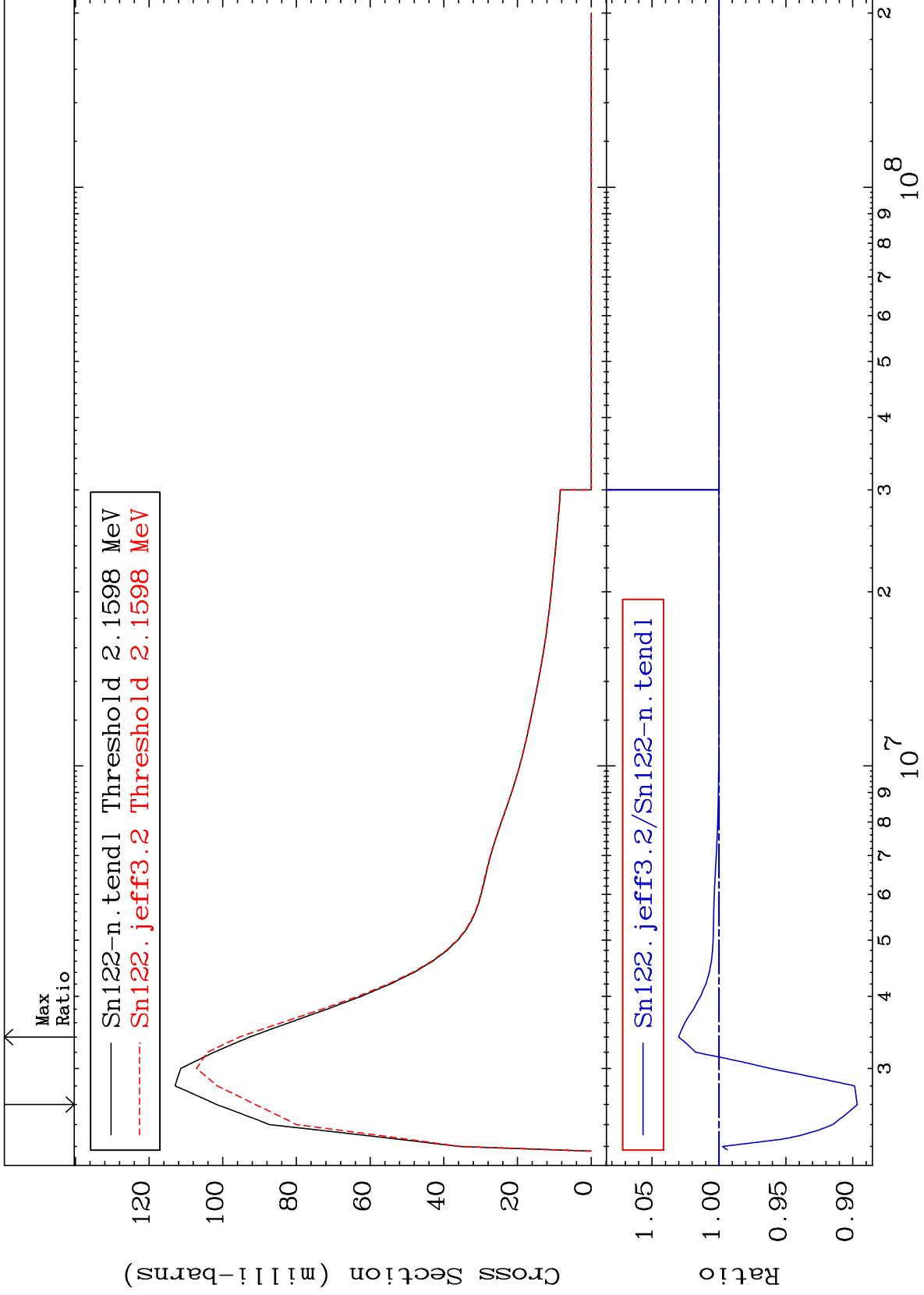
Incident Energy (eV)

50-Sn-122

MAT 5055

2.142 MeV (n,n') Level  
Cross Section

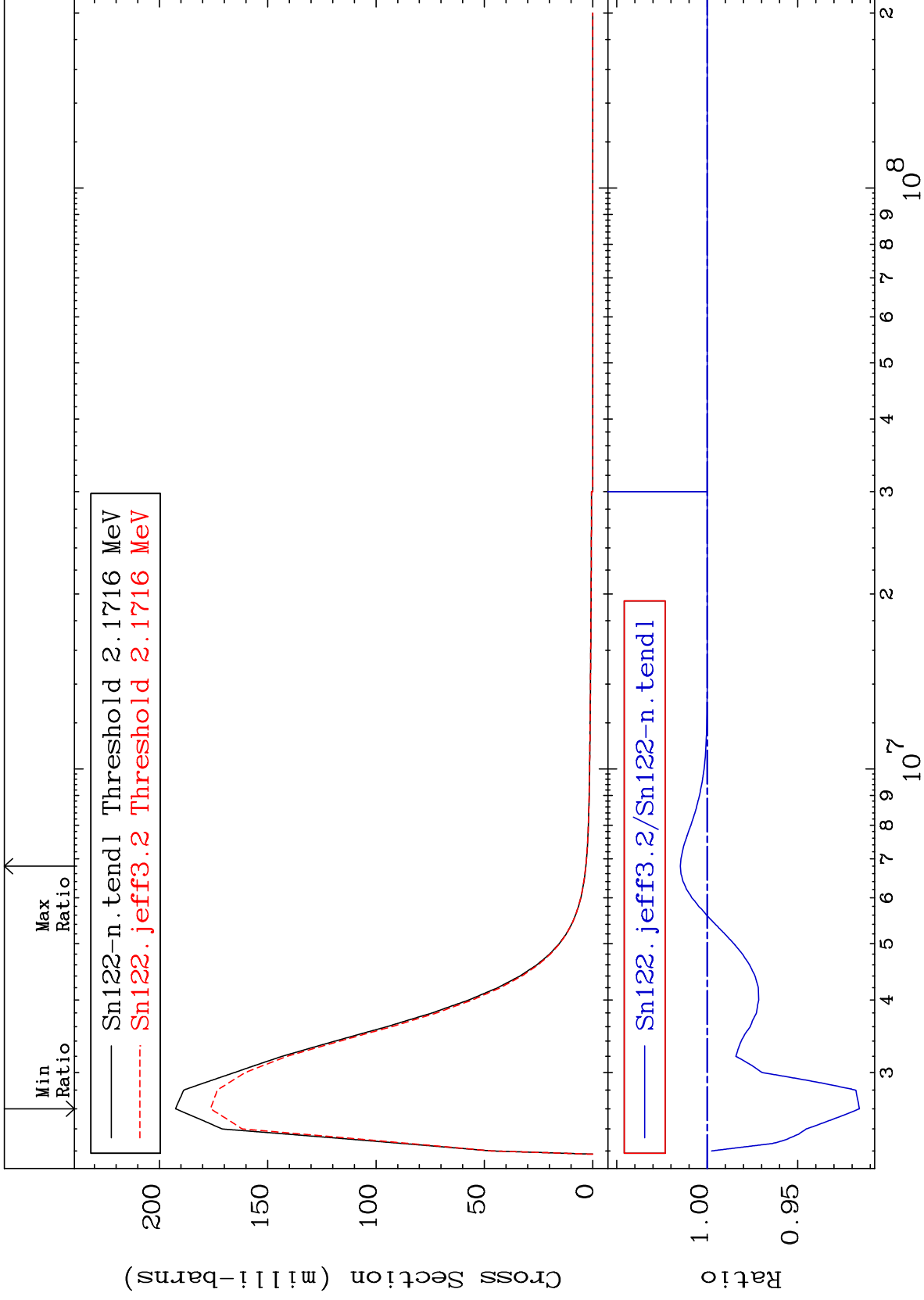
50-Sn-122  
-10.34 To 3.011 %



MAT 5055

2.154 MeV (n,n') Level  
Cross Section

50-Sn-122  
-8.405 To 1.484 %



20

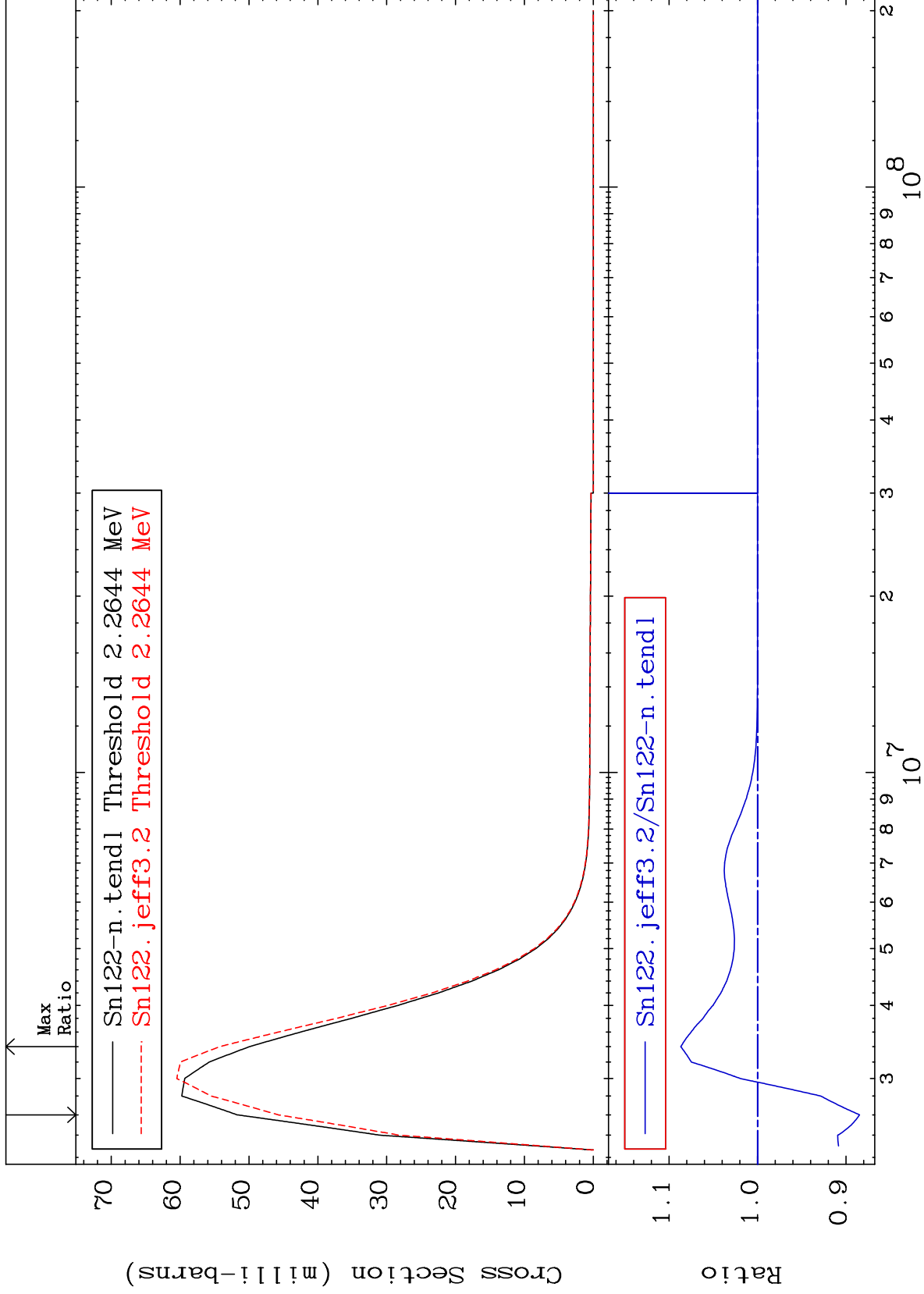
Incident Energy (eV)

50-Sn-122

MAT 5055

2.246 MeV (n,n') Level  
Cross Section

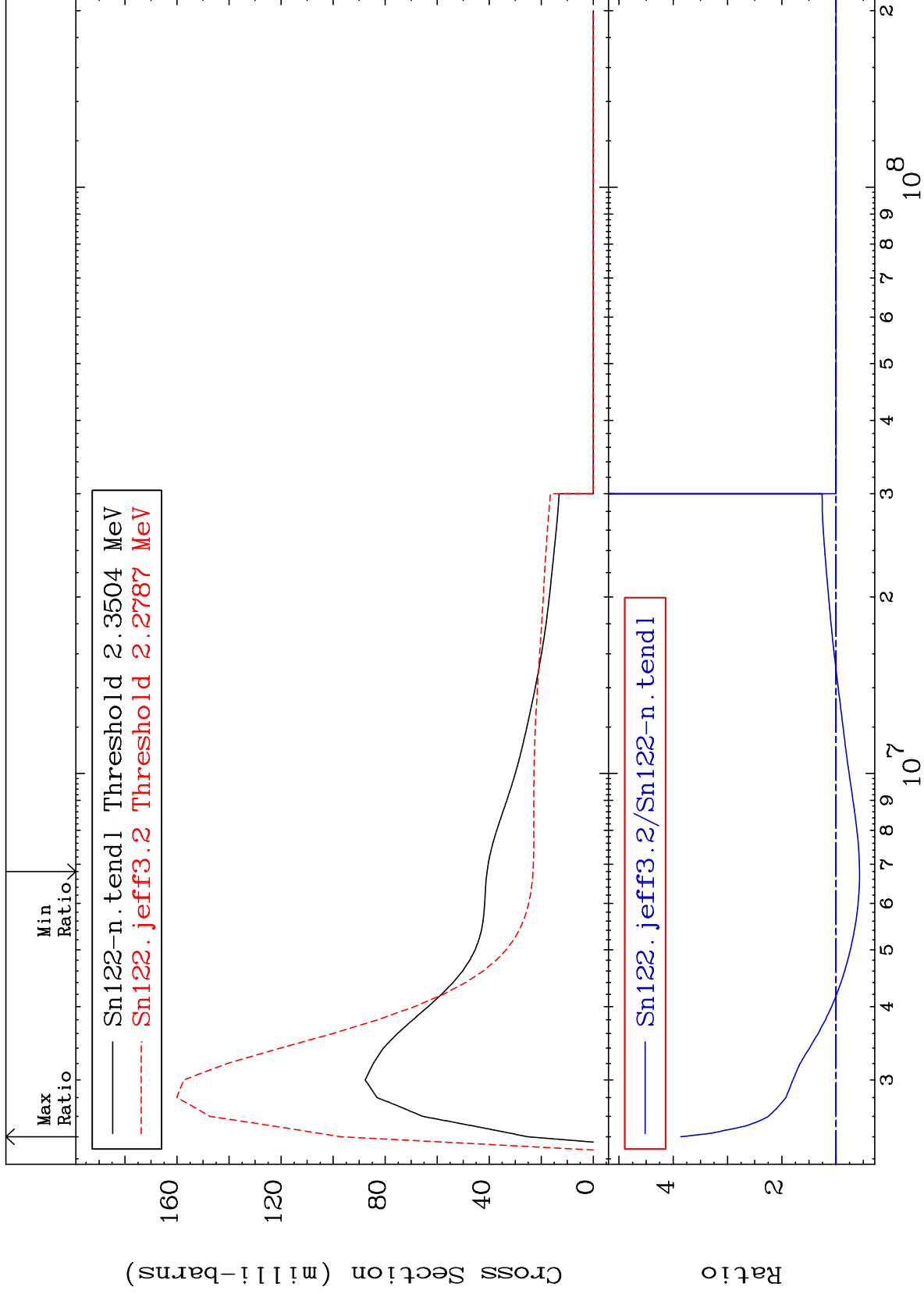
50-Sn-122  
-11.52 To 8.676 %



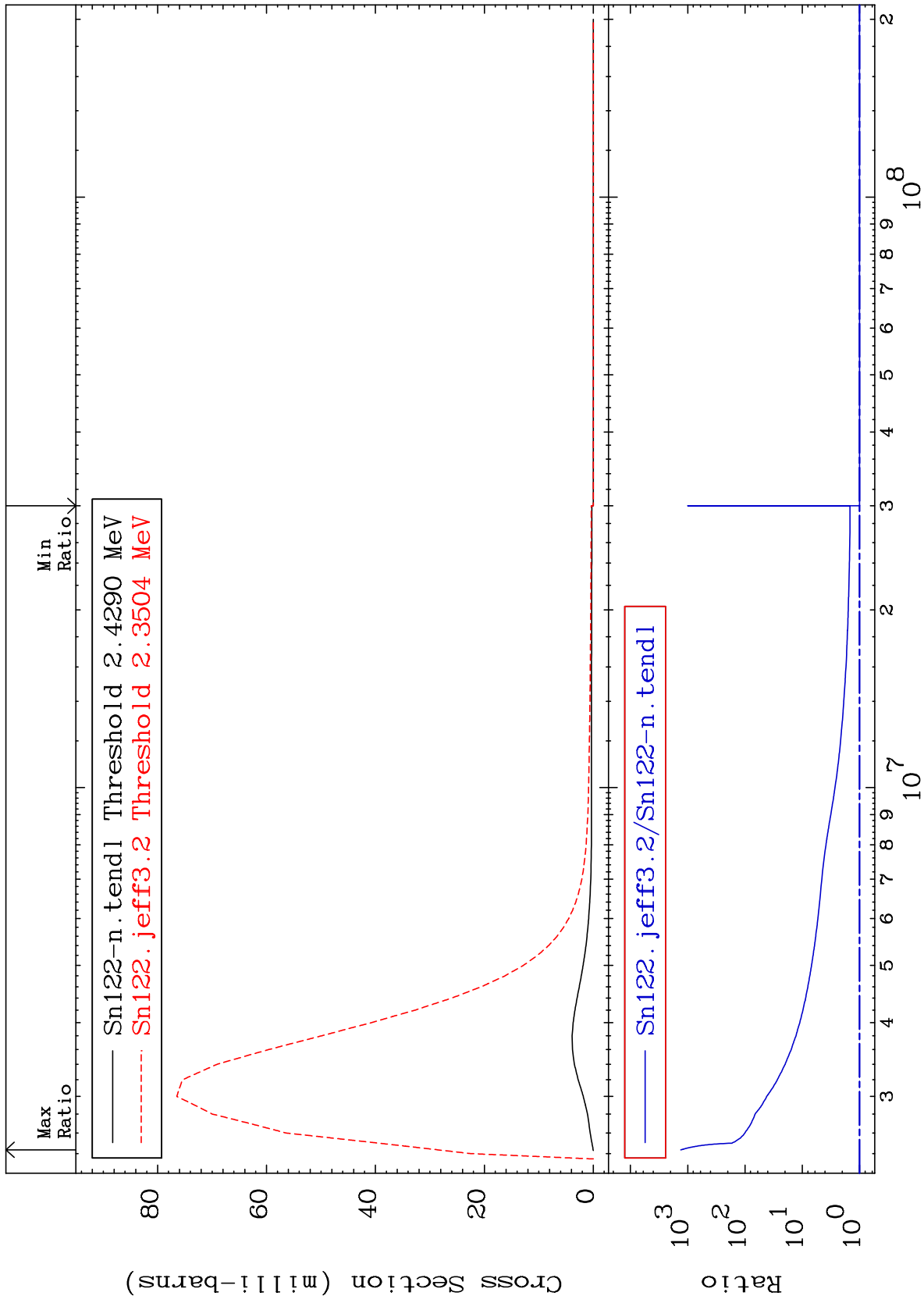
MAT 5055

2.331 MeV (n,n') Level  
Cross Section

50-Sn-122  
-43.24 To 286.2 %



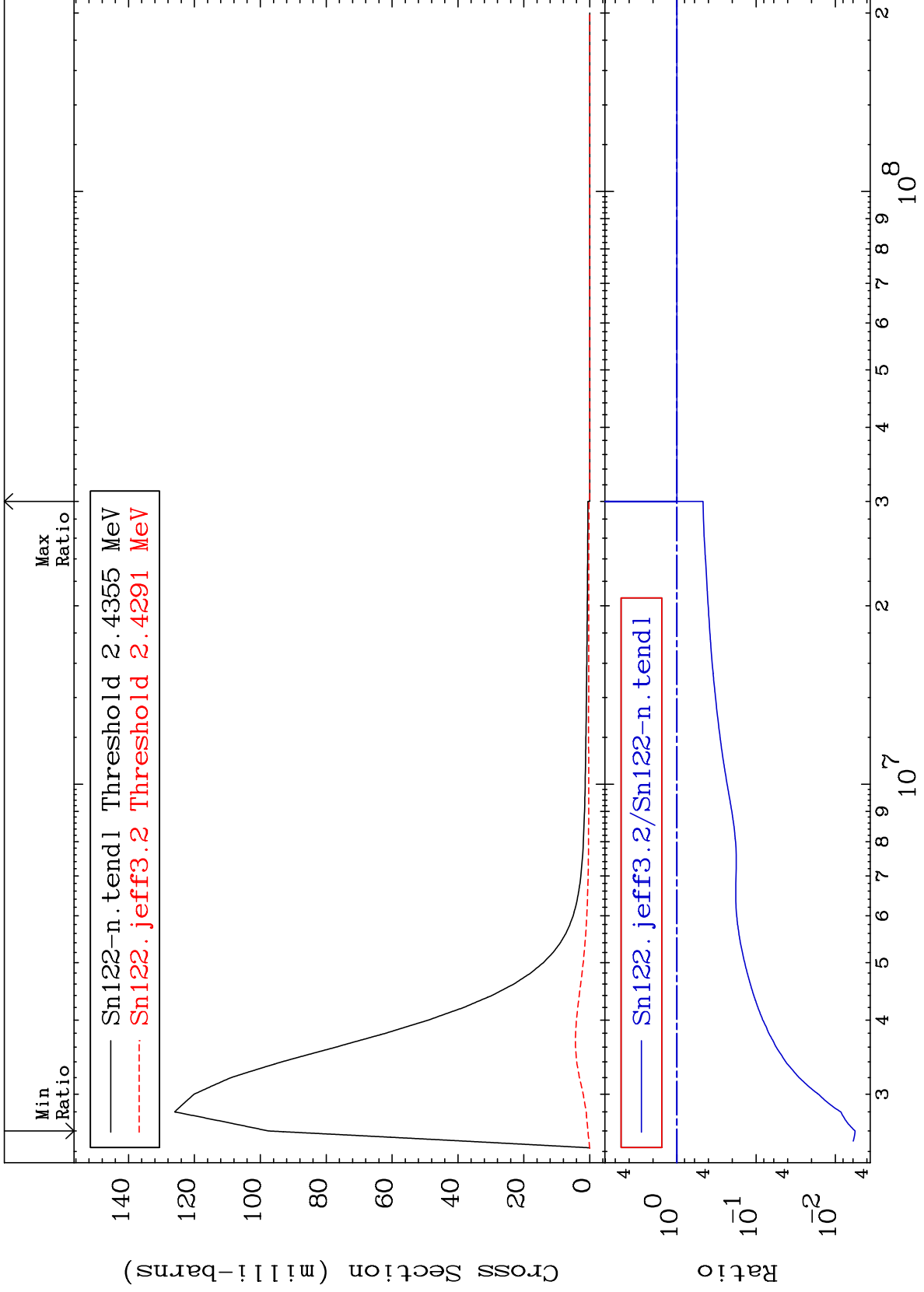
MAT 5055      2.409 MeV (n,n') Level      50-Sn-122  
 Cross Section      To 9999. %



MAT 5055

2.416 MeV (n,n') Level  
Cross Section

50-Sn-122  
-99.44 To 0.000 %





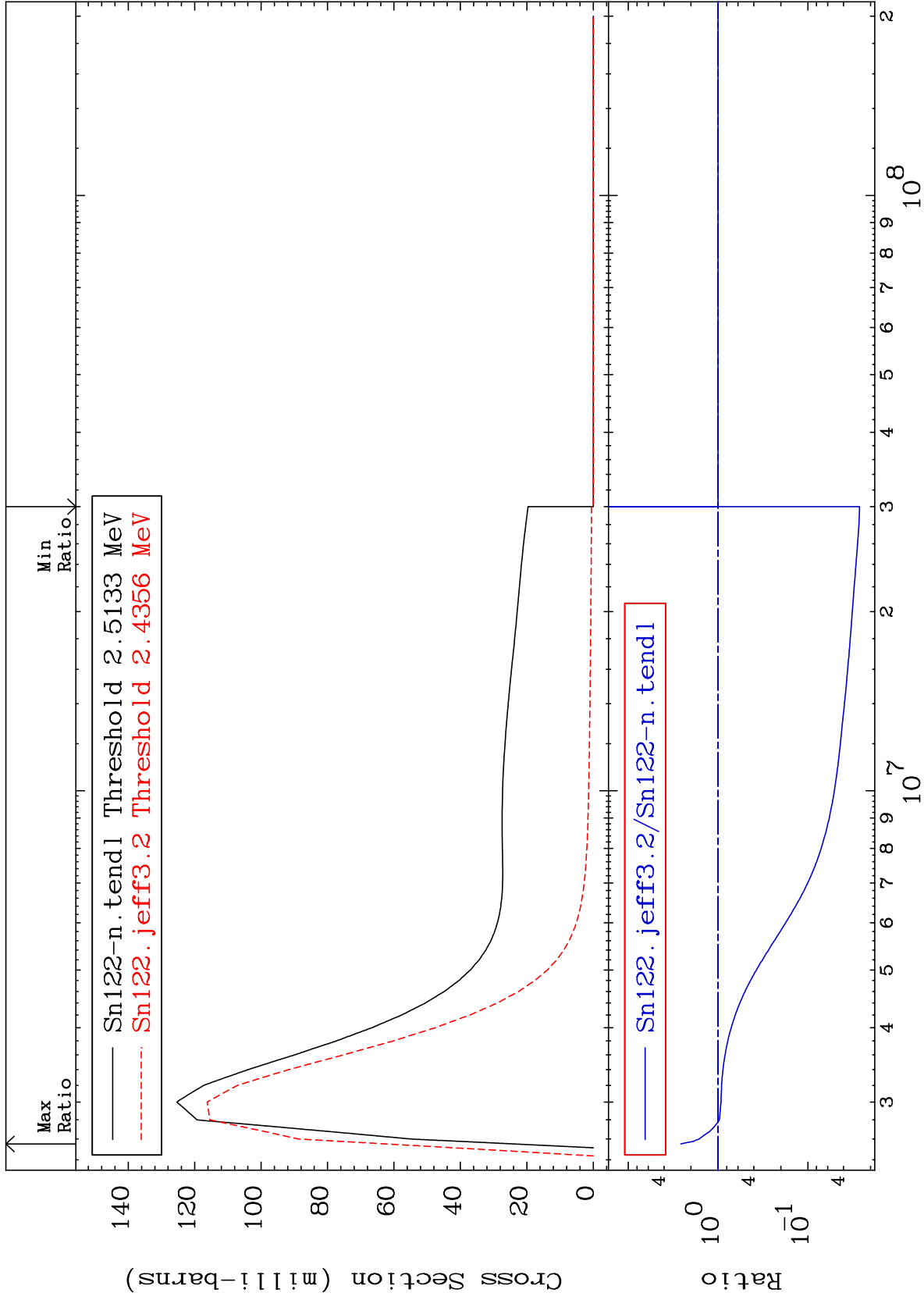
MAT 5055

2.493 MeV (n,n') Level

50-Sn-122

-97.35 To 160.2 %

Cross Section

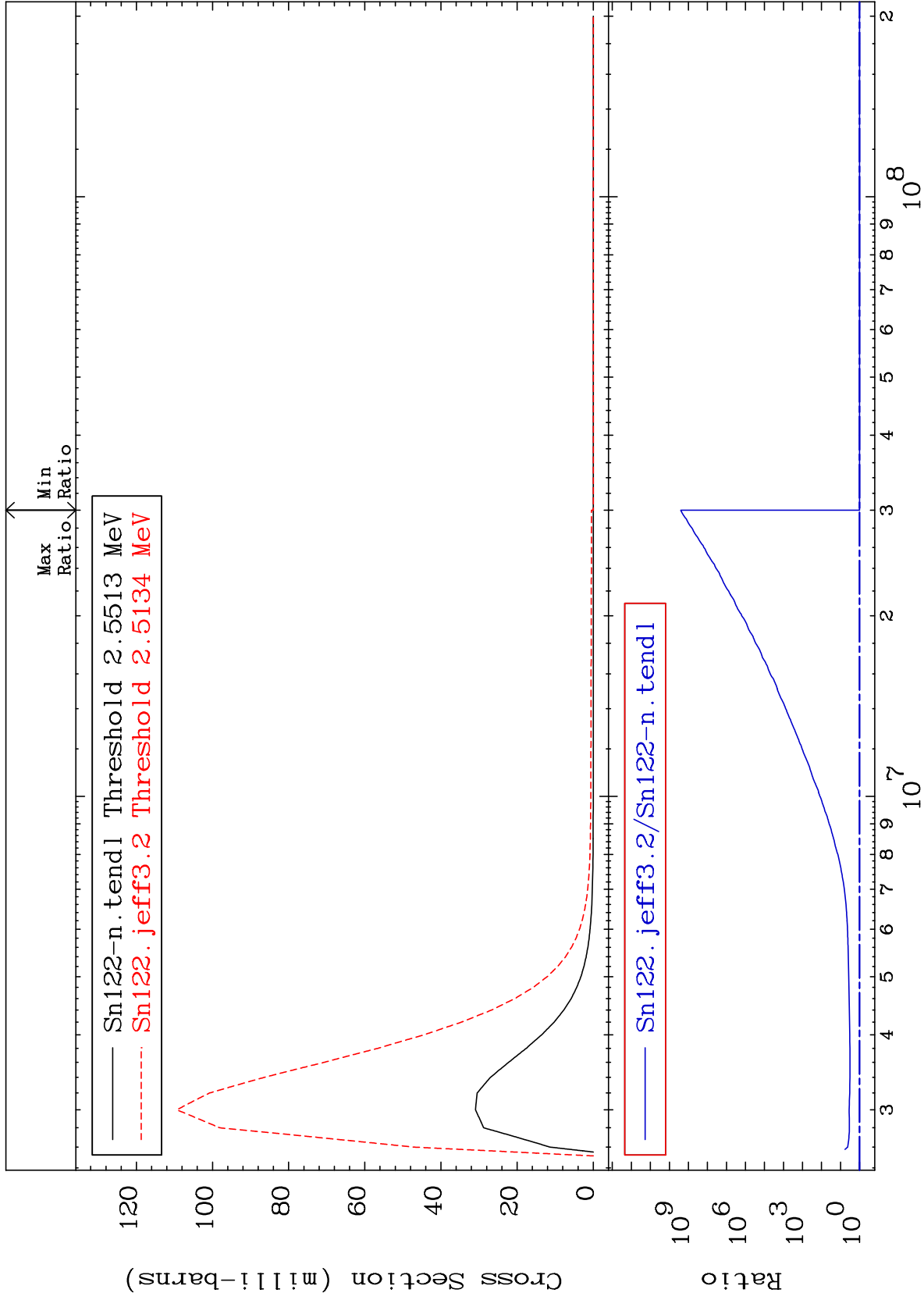


MAT 5055

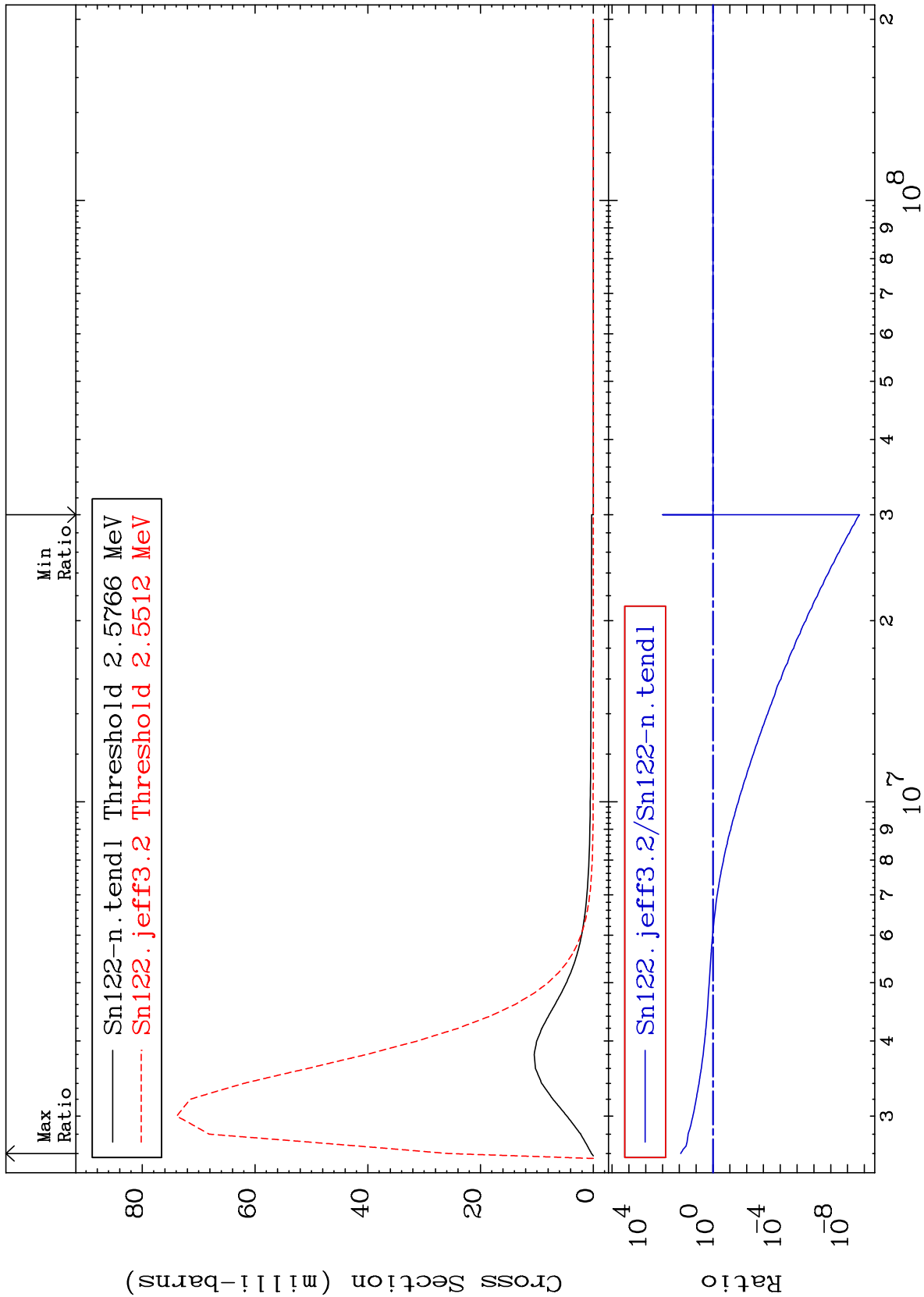
2.530 MeV (n,n') Level

50-Sn-122

Cross Section  
To 9999. %



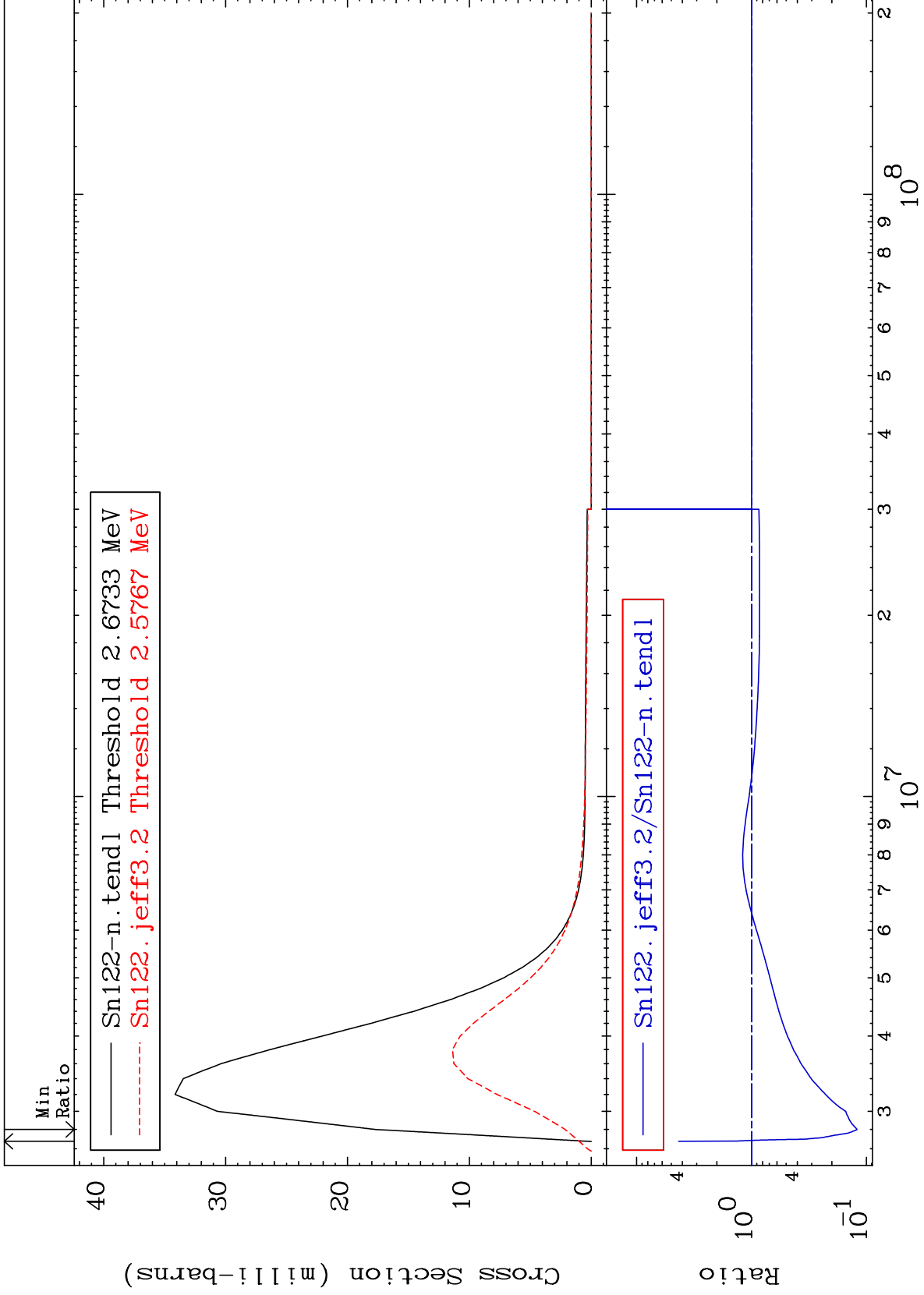
MAT 5055      2.555 MeV (n,n') Level      50-Sn-122  
 Cross Section      -100.0 To 8112. %



MAT 5055

2.651 MeV (n,n') Level  
Cross Section

50-Sn-122  
-87.98 To 331.0 %



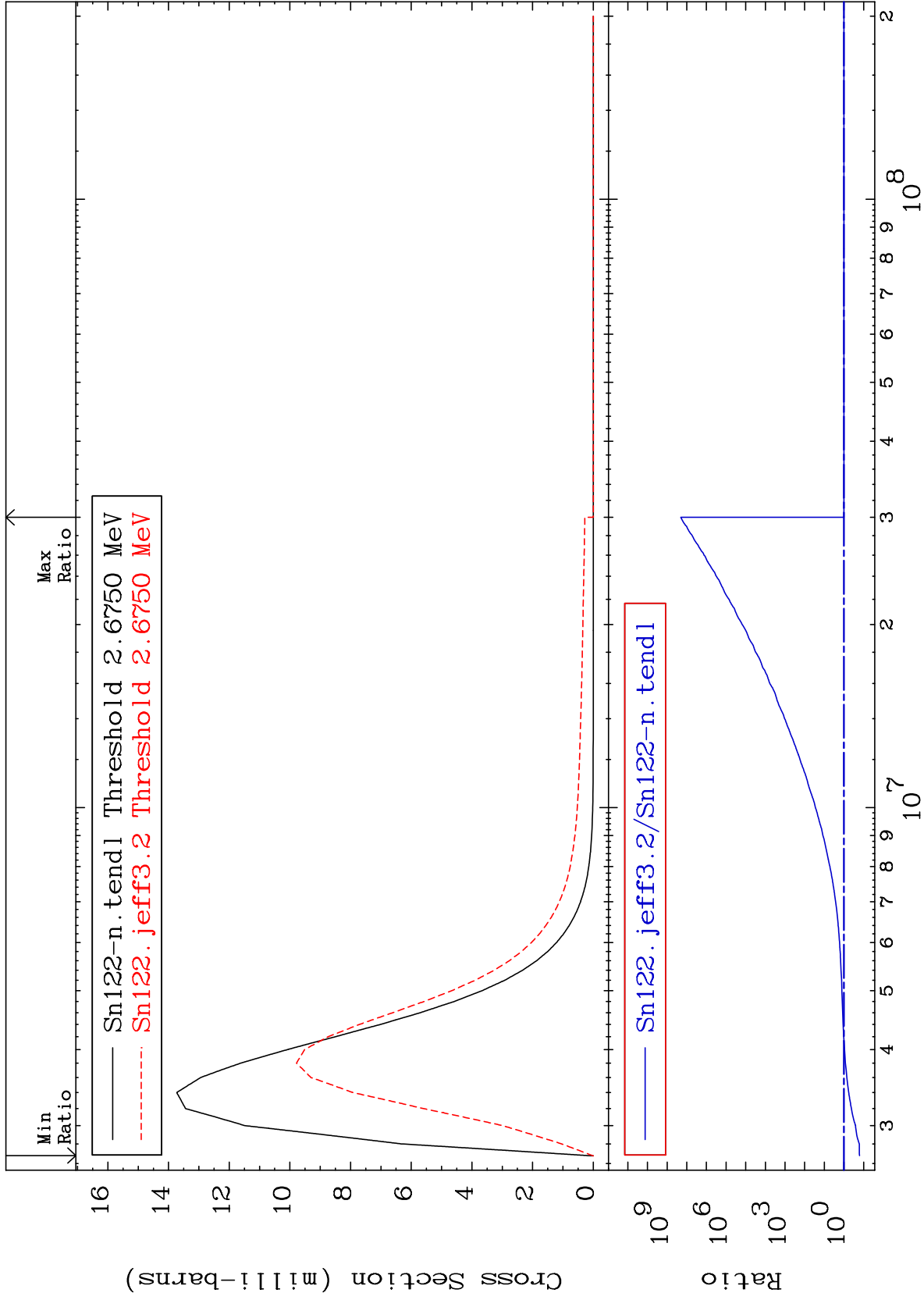
MAT 5055

2.653 MeV (n,n') Level

50-Sn-122

-83.83 To 9999. %

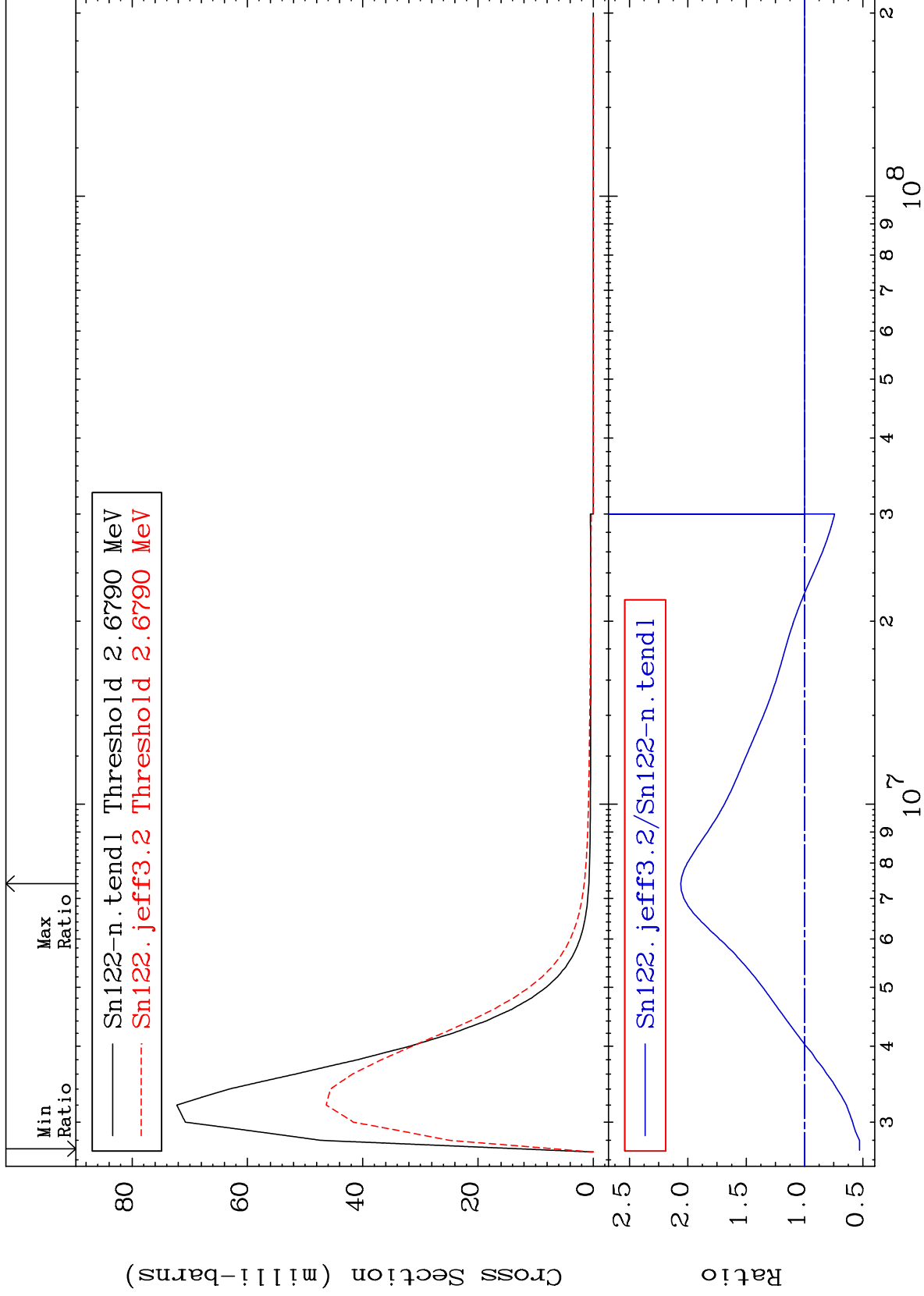
Cross Section



MAT 5055

2.657 MeV (n,n') Level  
Cross Section

50-Sn-122  
-47.14 To 106.1 %



30

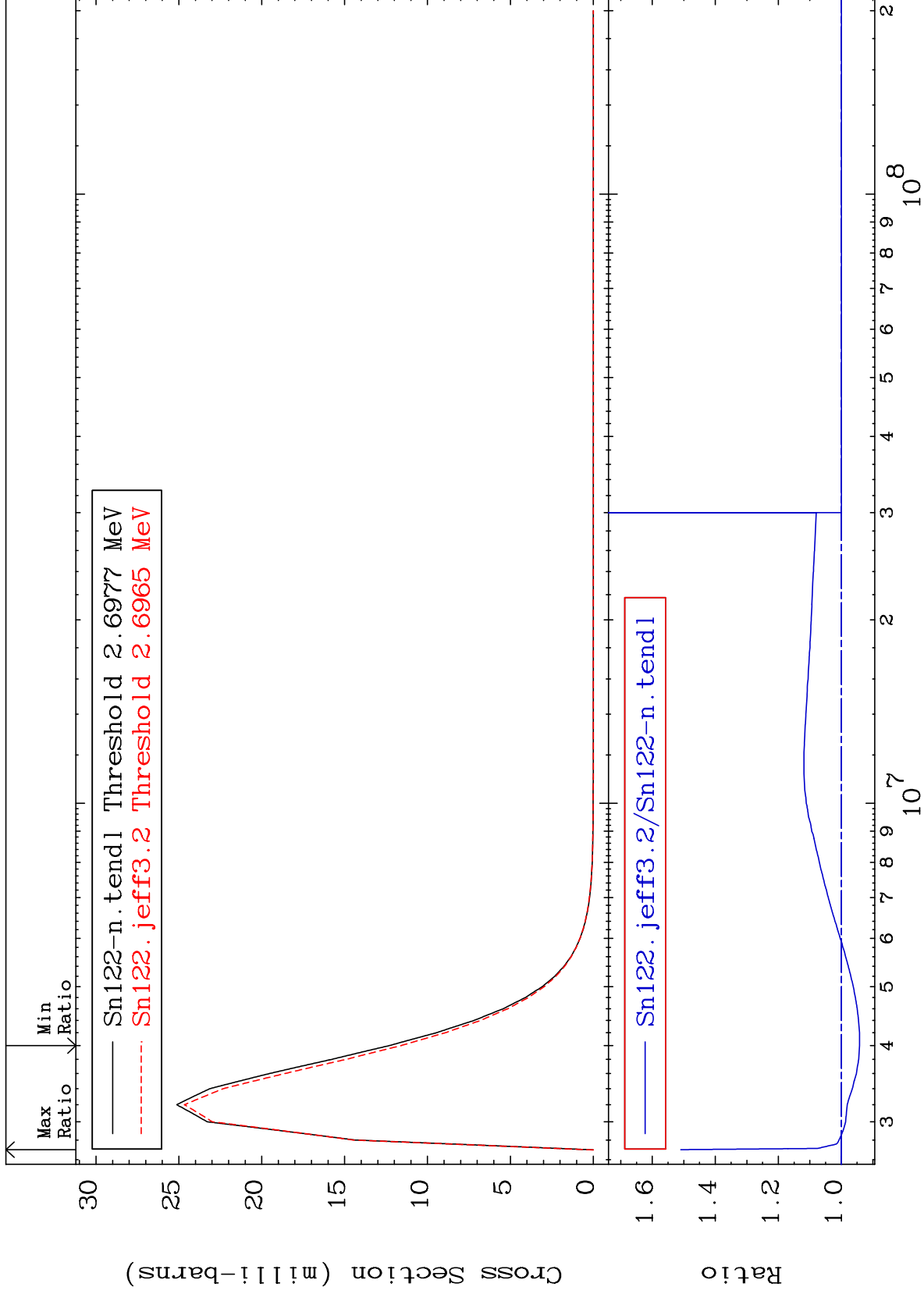
Incident Energy (eV)

50-Sn-122

MAT 5055

2.676 MeV (n,n') Level  
Cross Section

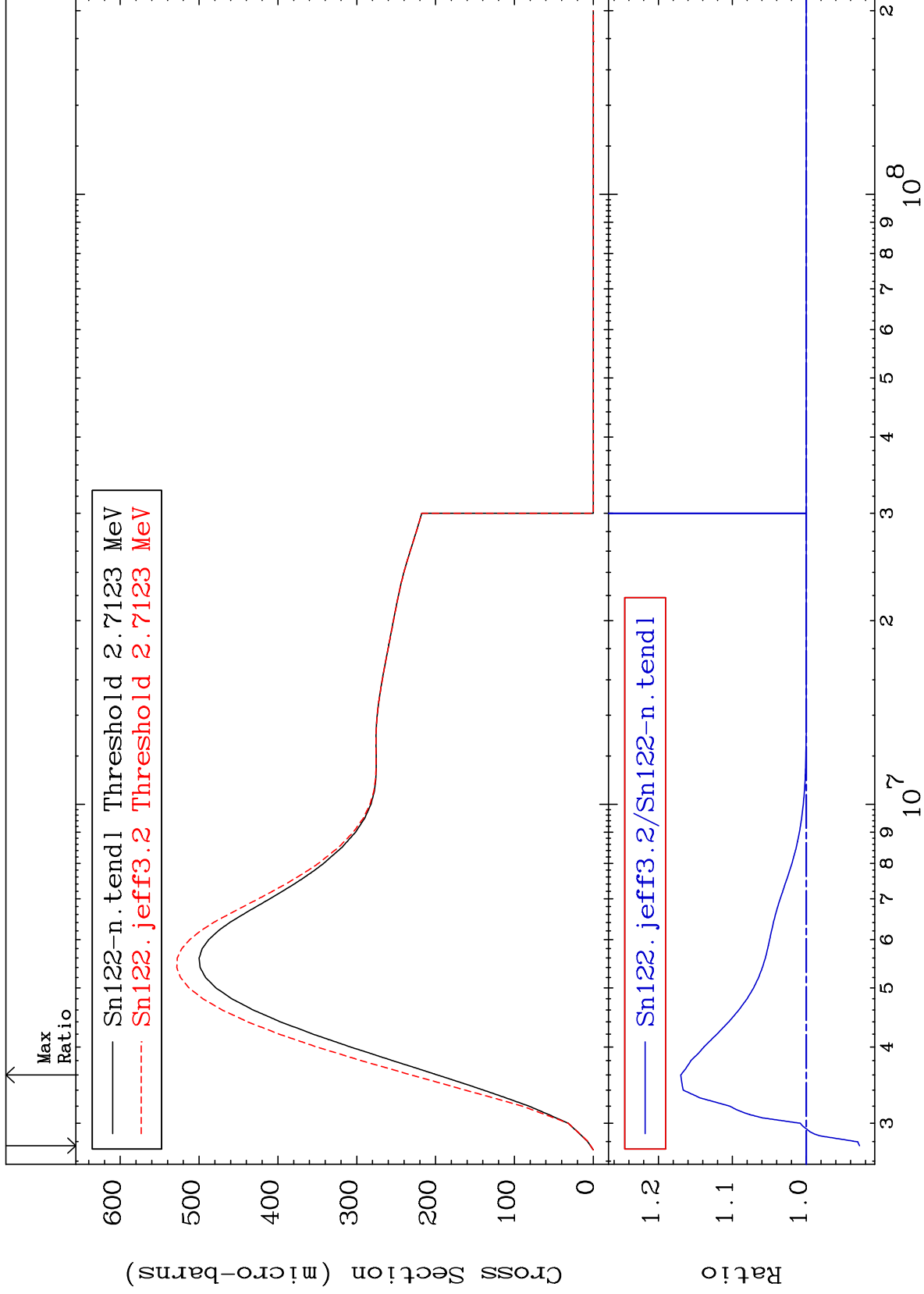
50-Sn-122  
-5.764 To 50.96 %



MAT 5055

2.690 MeV (n,n') Level  
Cross Section

50-Sn-122  
-7.197 To 16.98 %

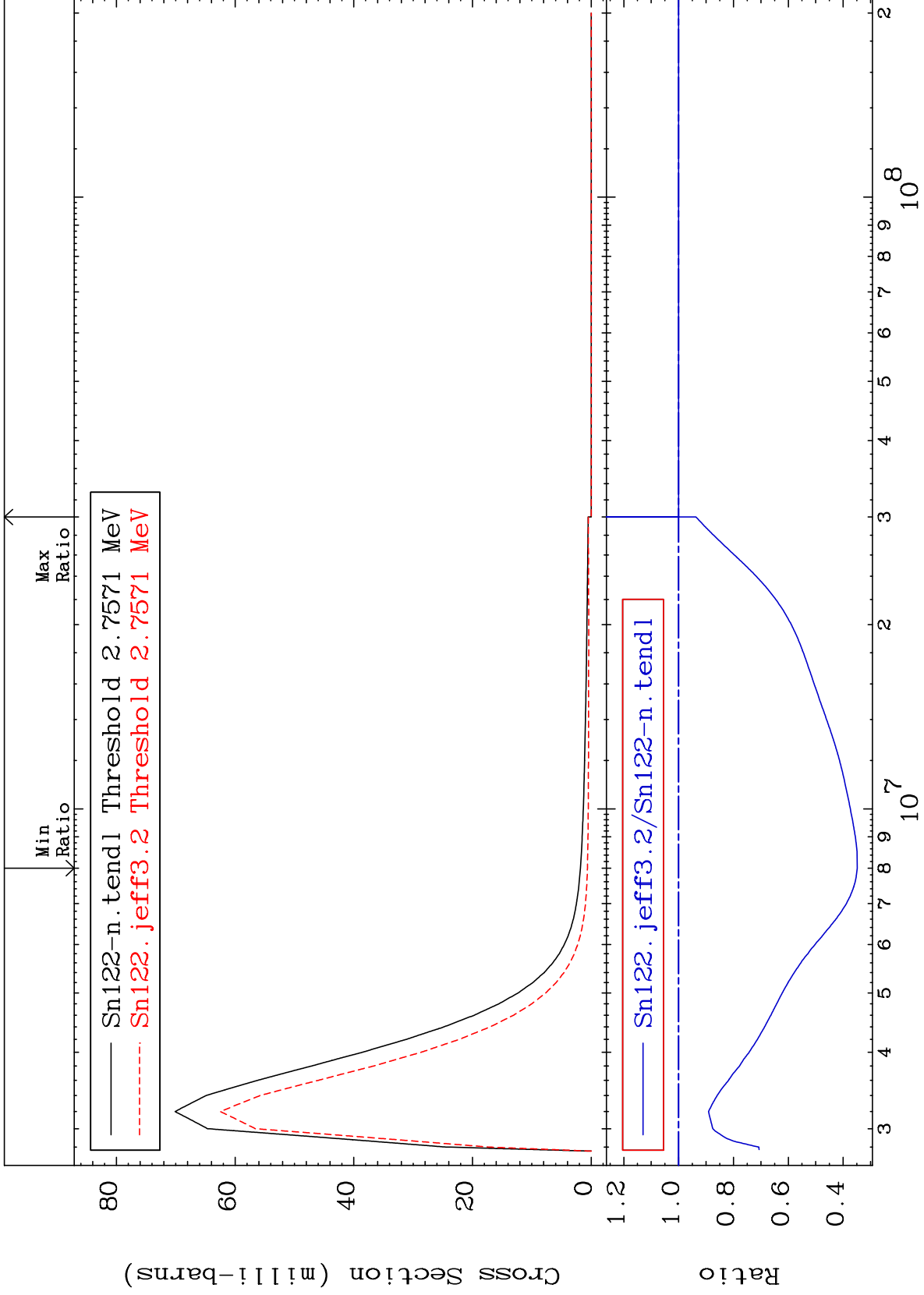




MAT 5055

2.734 MeV (n,n') Level  
Cross Section

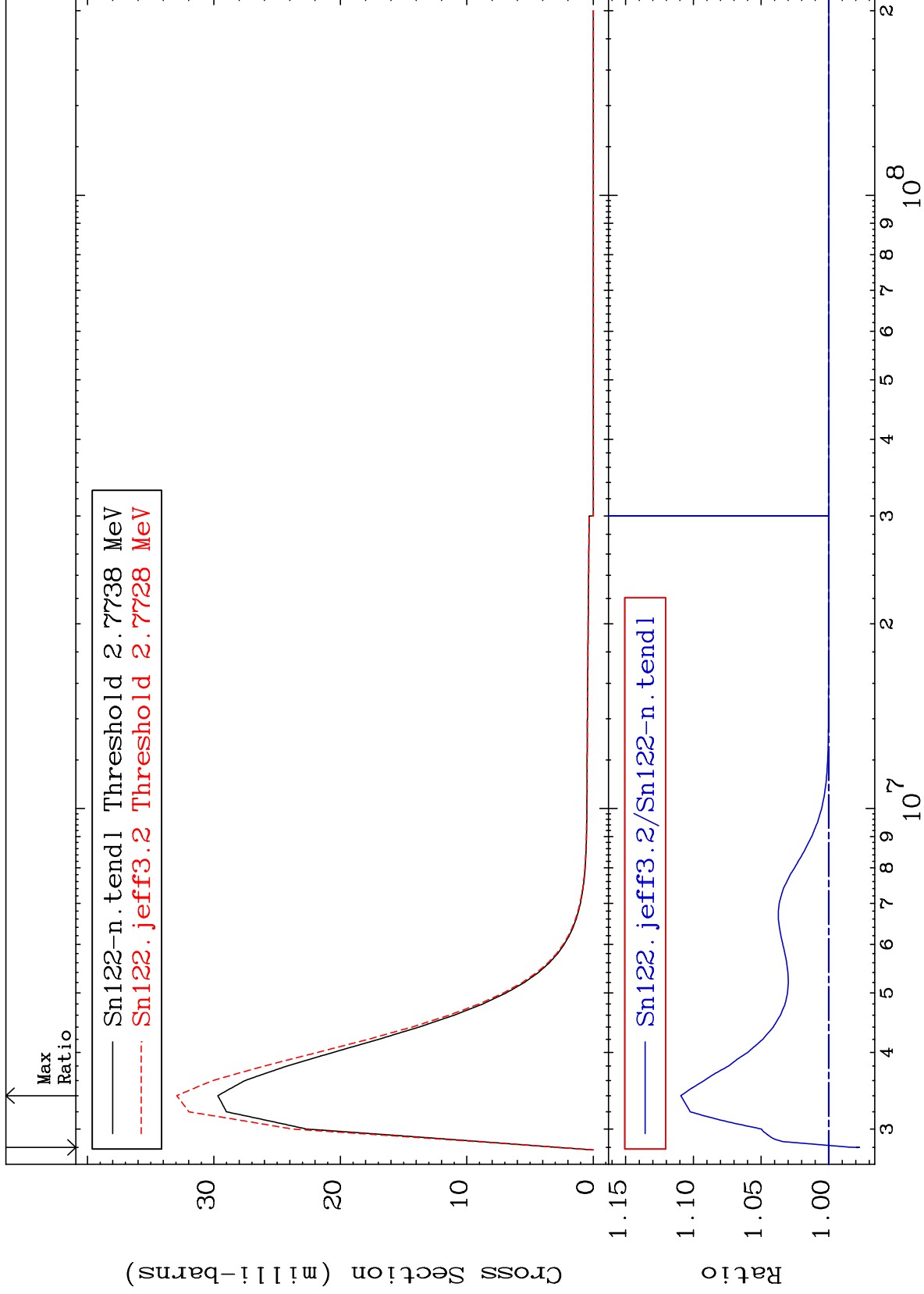
50-Sn-122  
-65.14 To 0.000 %



MAT 5055

2.751 MeV (n,n') Level  
Cross Section

50-Sn-122  
-2.279 To 10.93 %

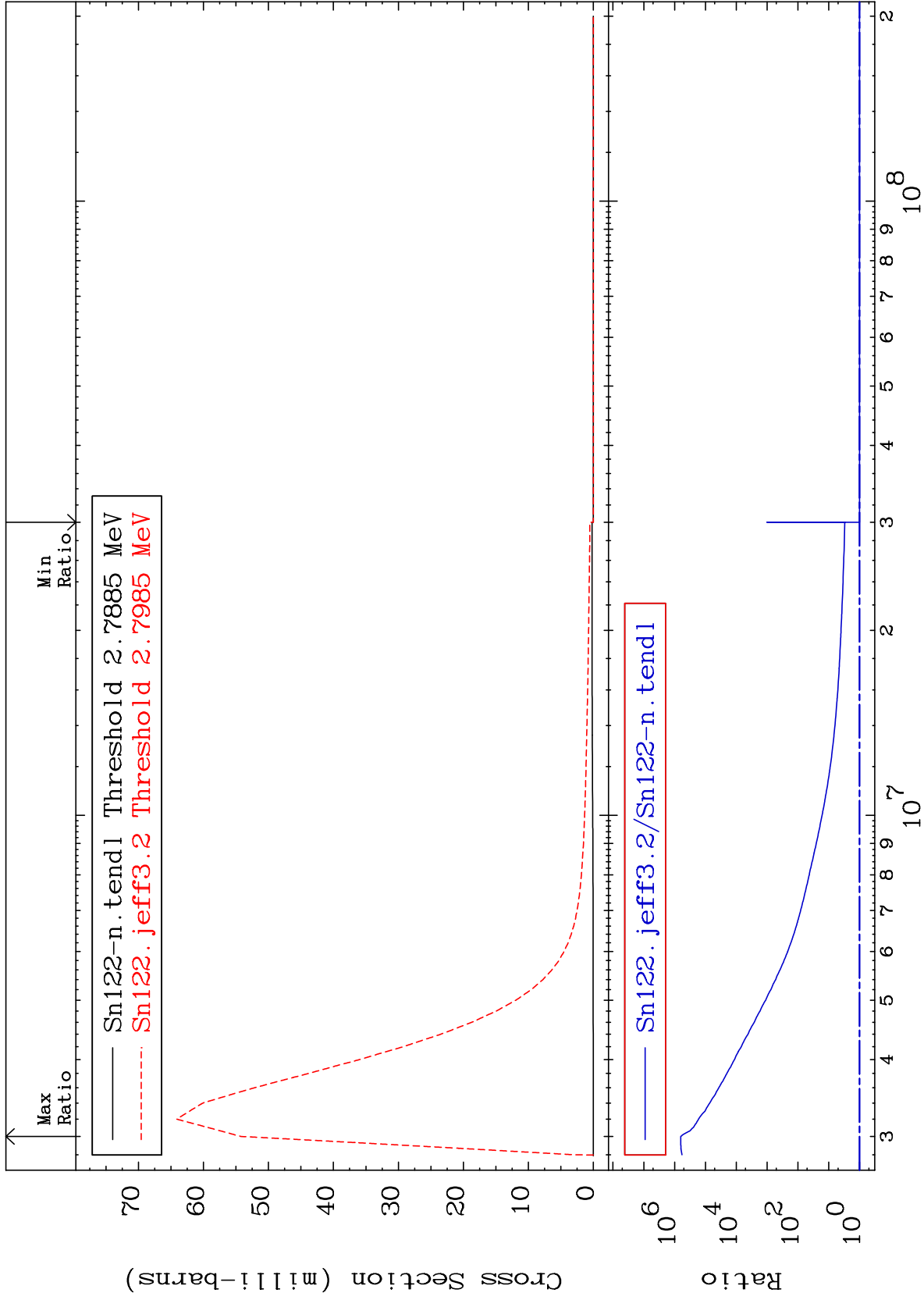


MAT 5055

2.766 MeV (n,n') Level

50-Sn-122

Cross Section  
To 9999. %



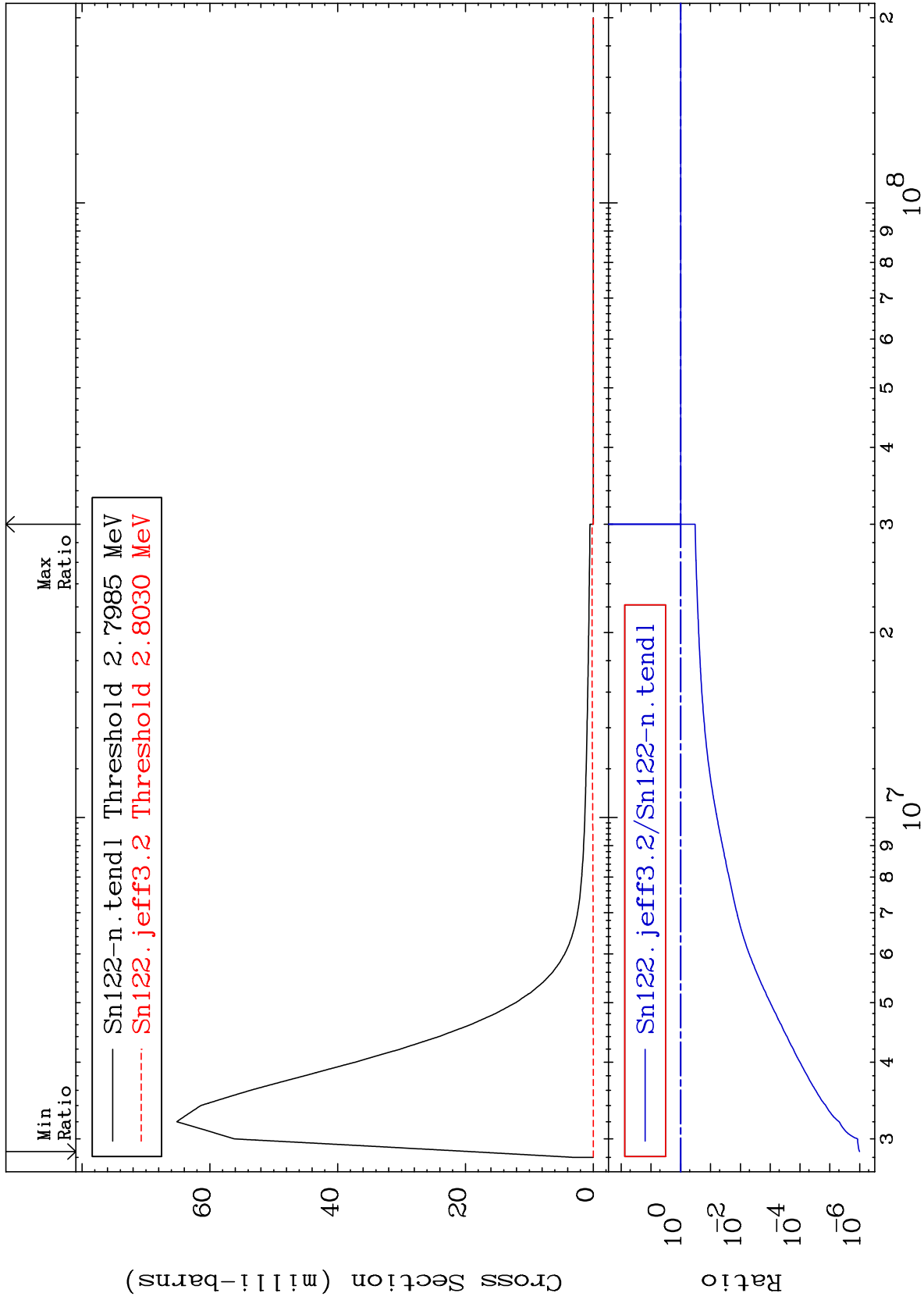
35

MAT 5055

2.776 MeV (n,n') Level

50-Sn-122

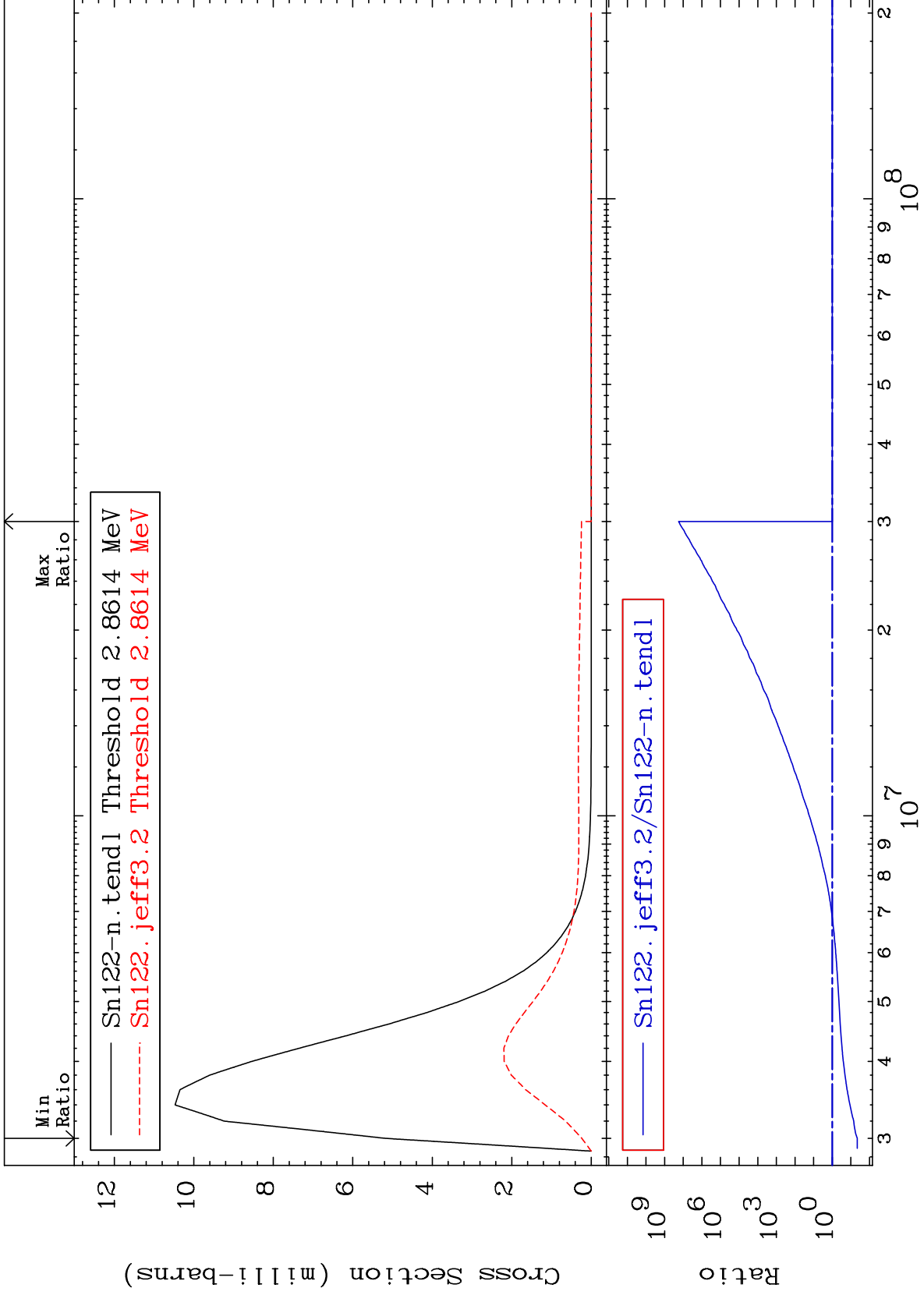
-100.0 To 0.000 %



MAT 5055

2.838 MeV (n,n') Level  
Cross Section

50-Sn-122  
-95.46 To 9999. %

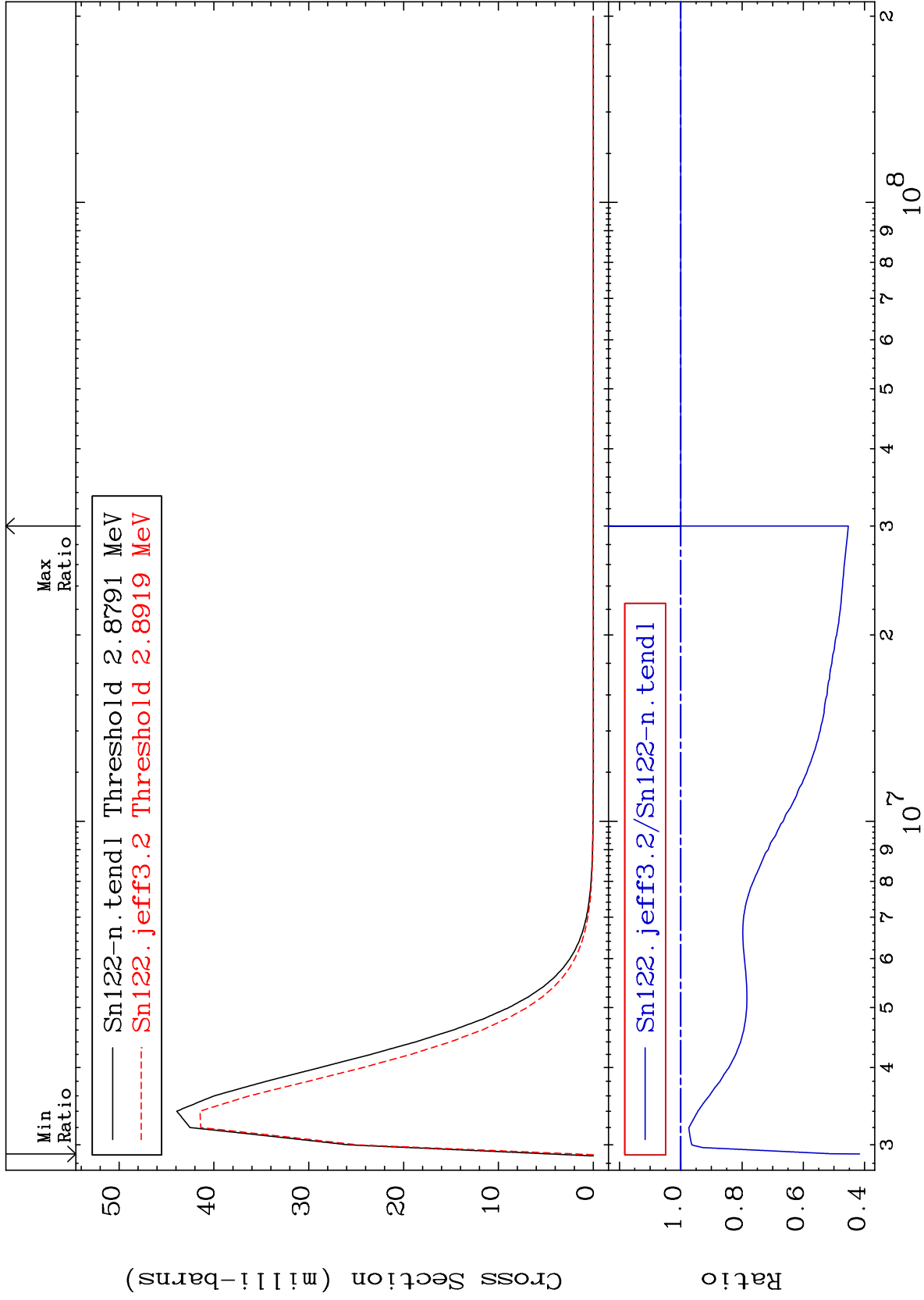


MAT 5055

2.855 MeV (n,n') Level

50-Sn-122

-58.35 To 0.000 %



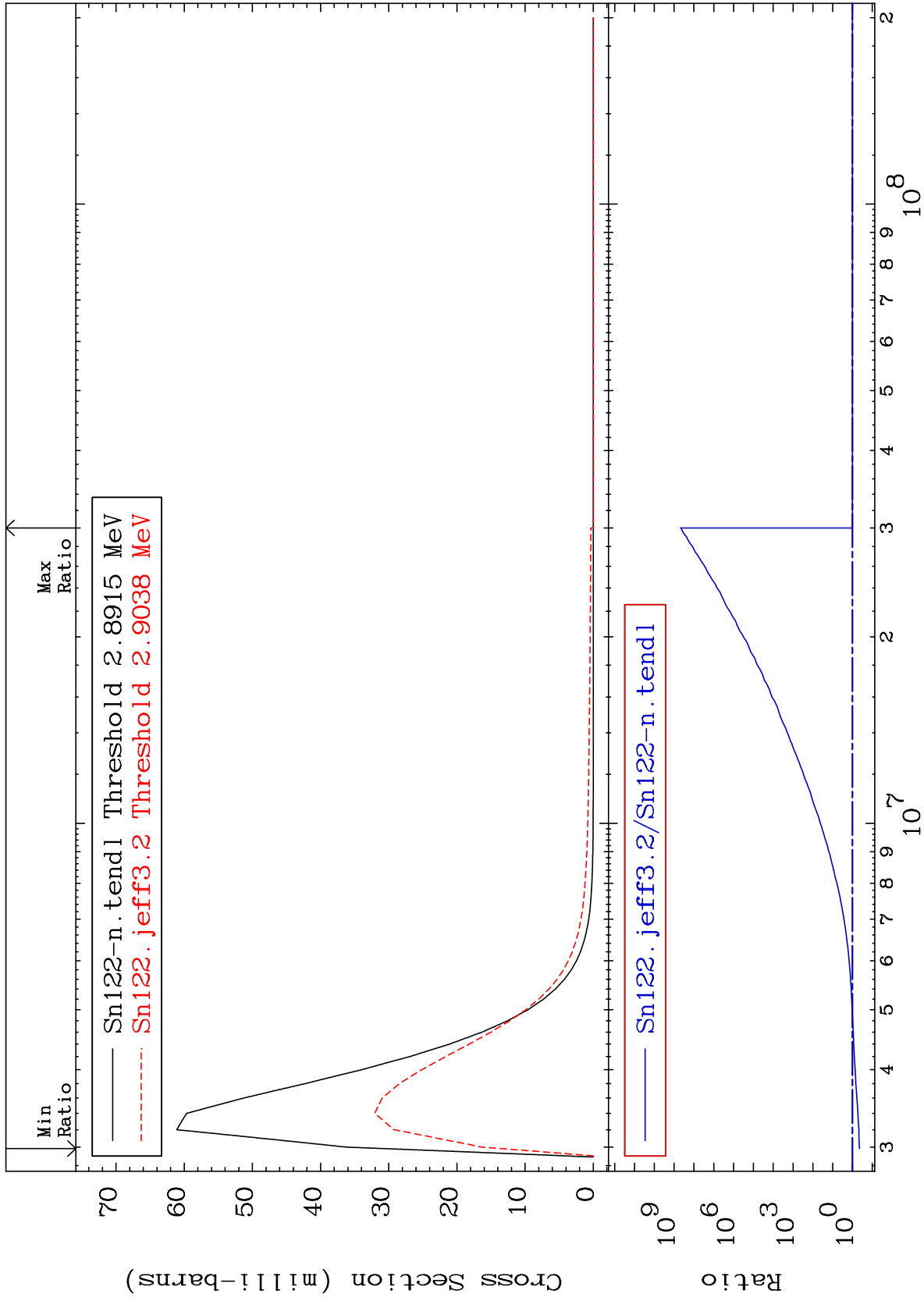
MAT 5055

2.868 MeV (n,n') Level

50-Sn-122

-55.94 To 9999. %

Cross Section



39

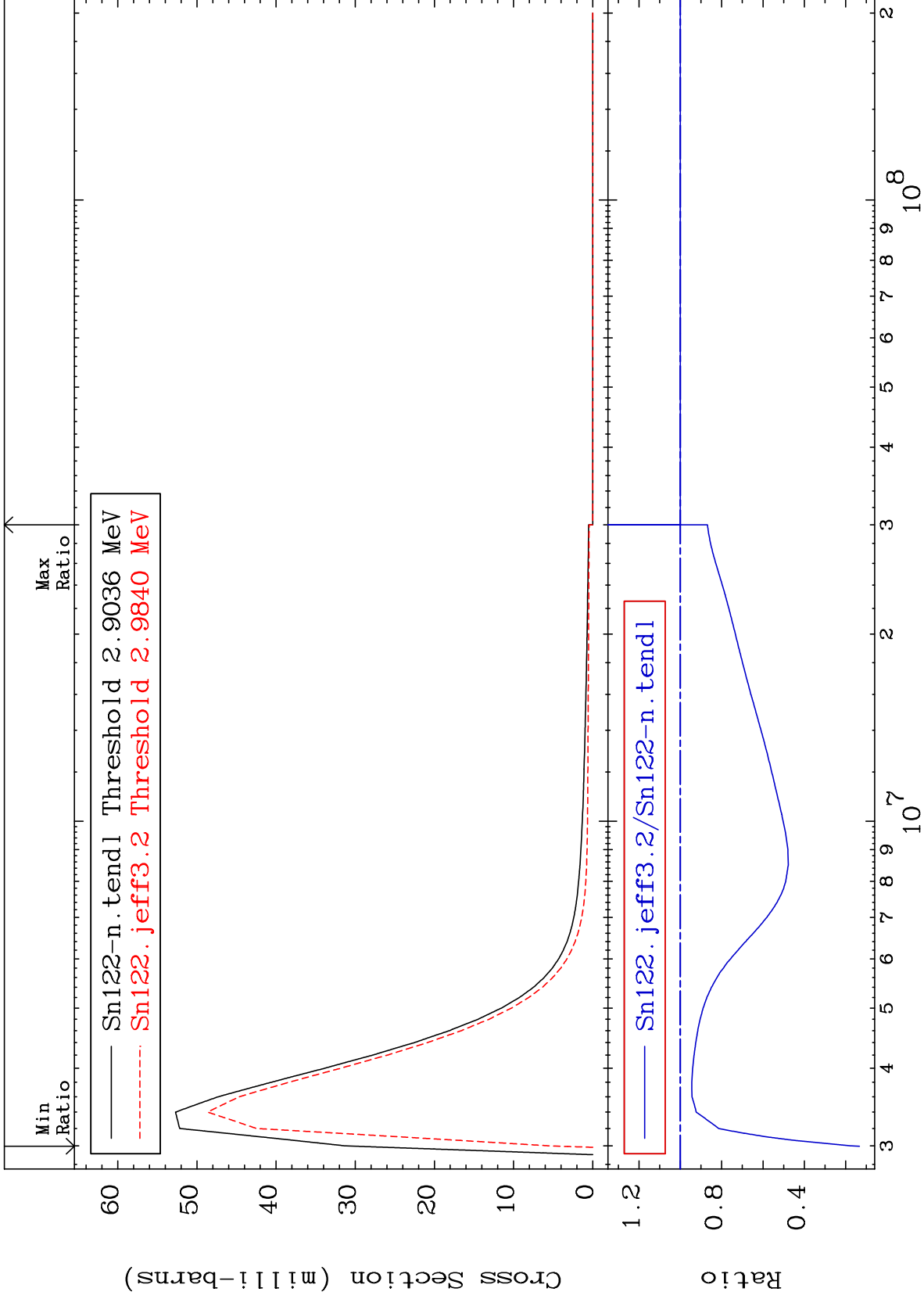
Incident Energy (eV)

50-Sn-122

MAT 5055

2.880 MeV (n,n') Level  
Cross Section

50-Sn-122  
-86.67 To 0.000 %



40

Incident Energy (eV)

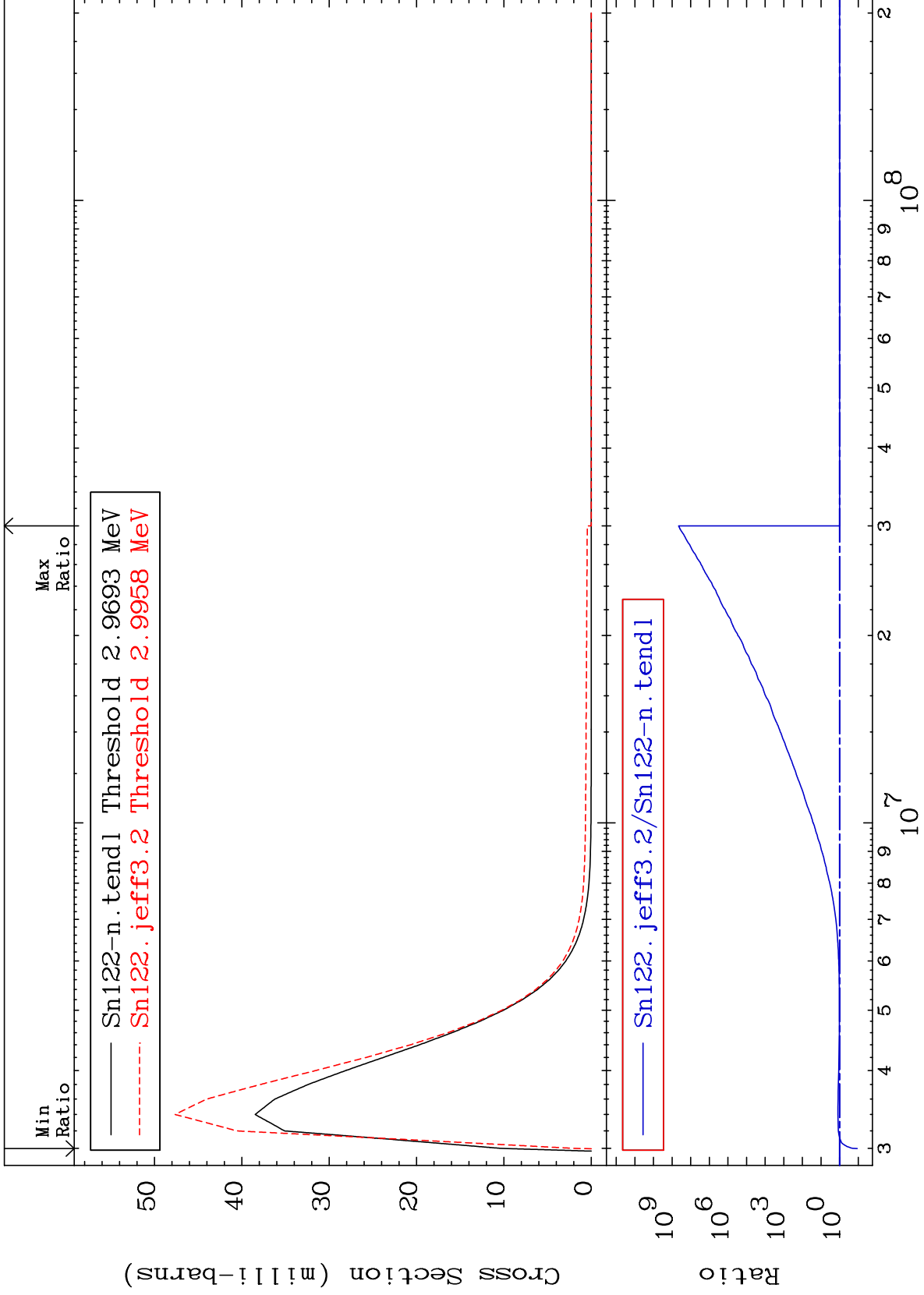
50-Sn-122



MAT 5055

2.945 MeV (n,n') Level  
Cross Section

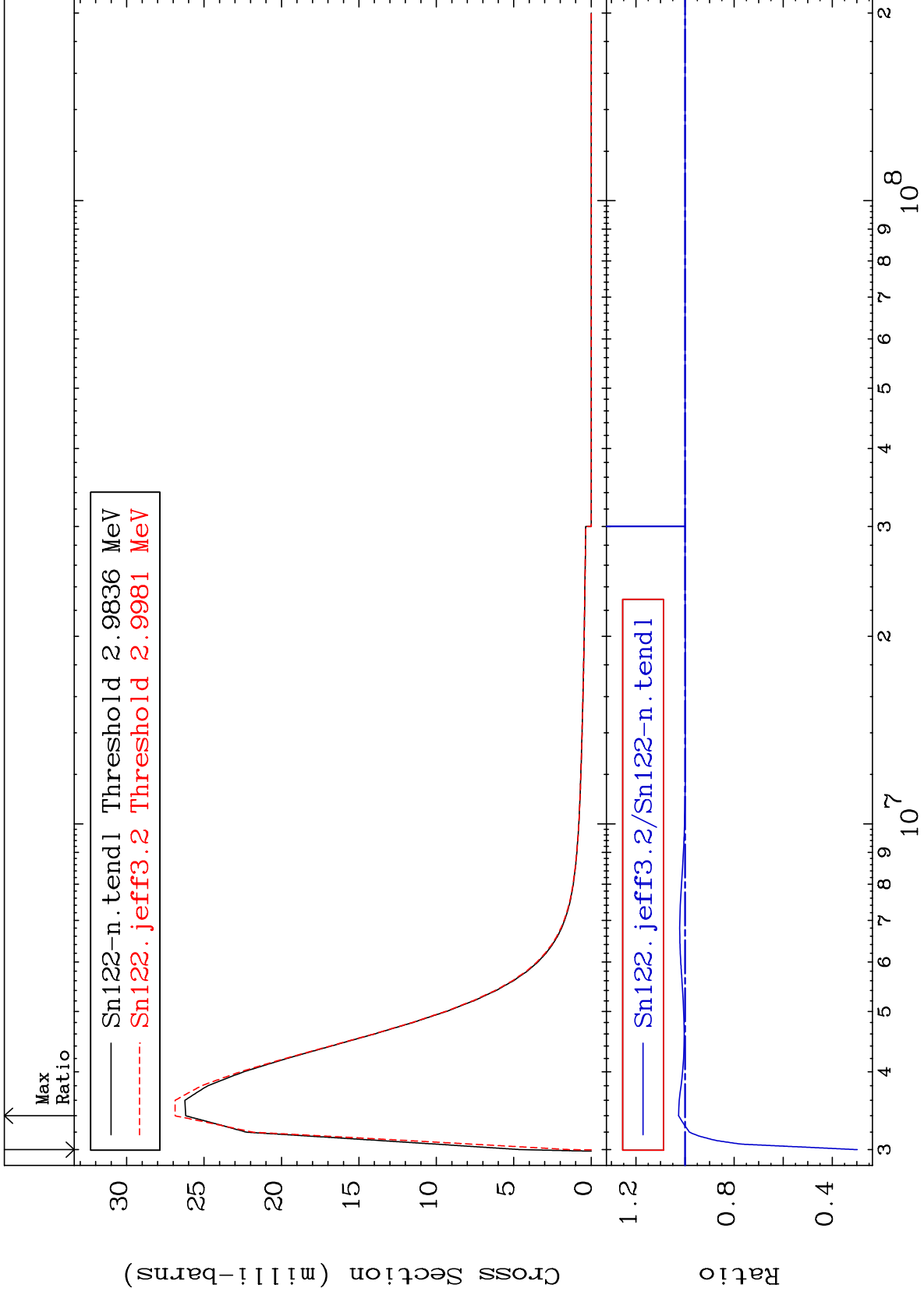
50-Sn-122  
-88.76 To 9999. %



MAT 5055

2.959 MeV (n,n') Level  
Cross Section

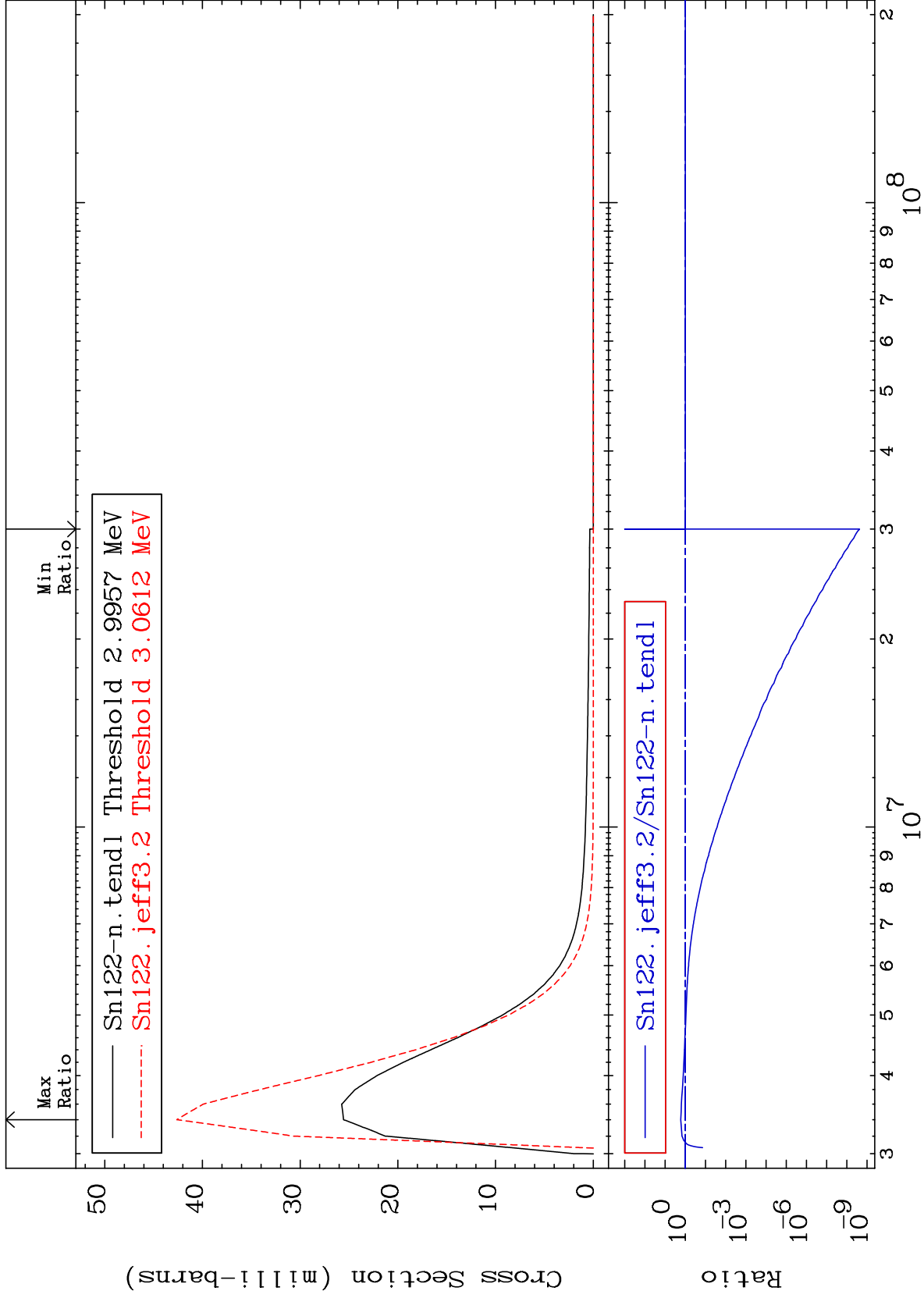
50-Sn-122  
-70.19 To 2.609 %



MAT 5055

2.971 MeV (n,n') Level  
Cross Section

50-Sn-122  
-100.0 To 66.79 %



43

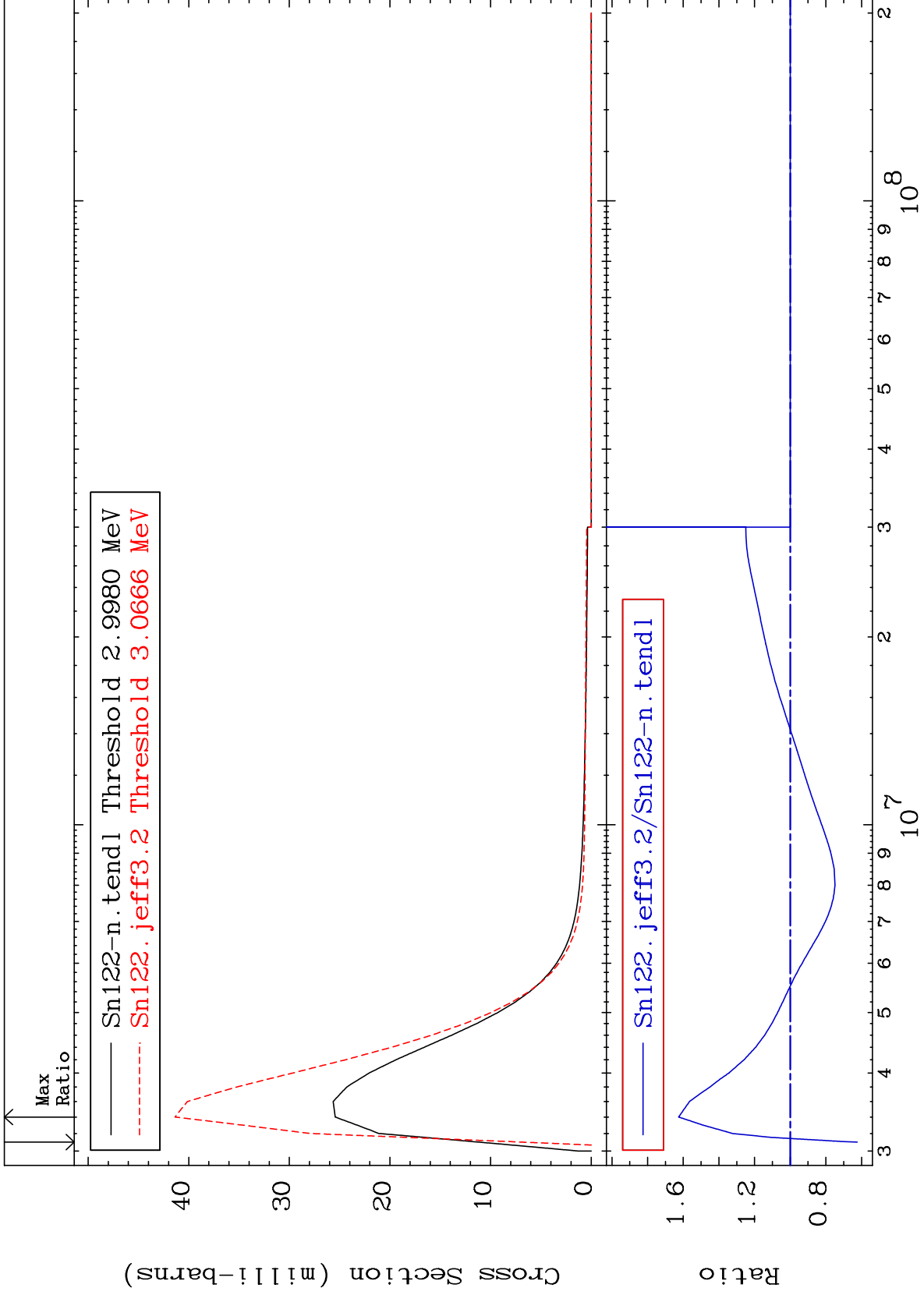
Incident Energy (eV)

50-Sn-122

MAT 5055

2.973 MeV (n,n') Level  
Cross Section

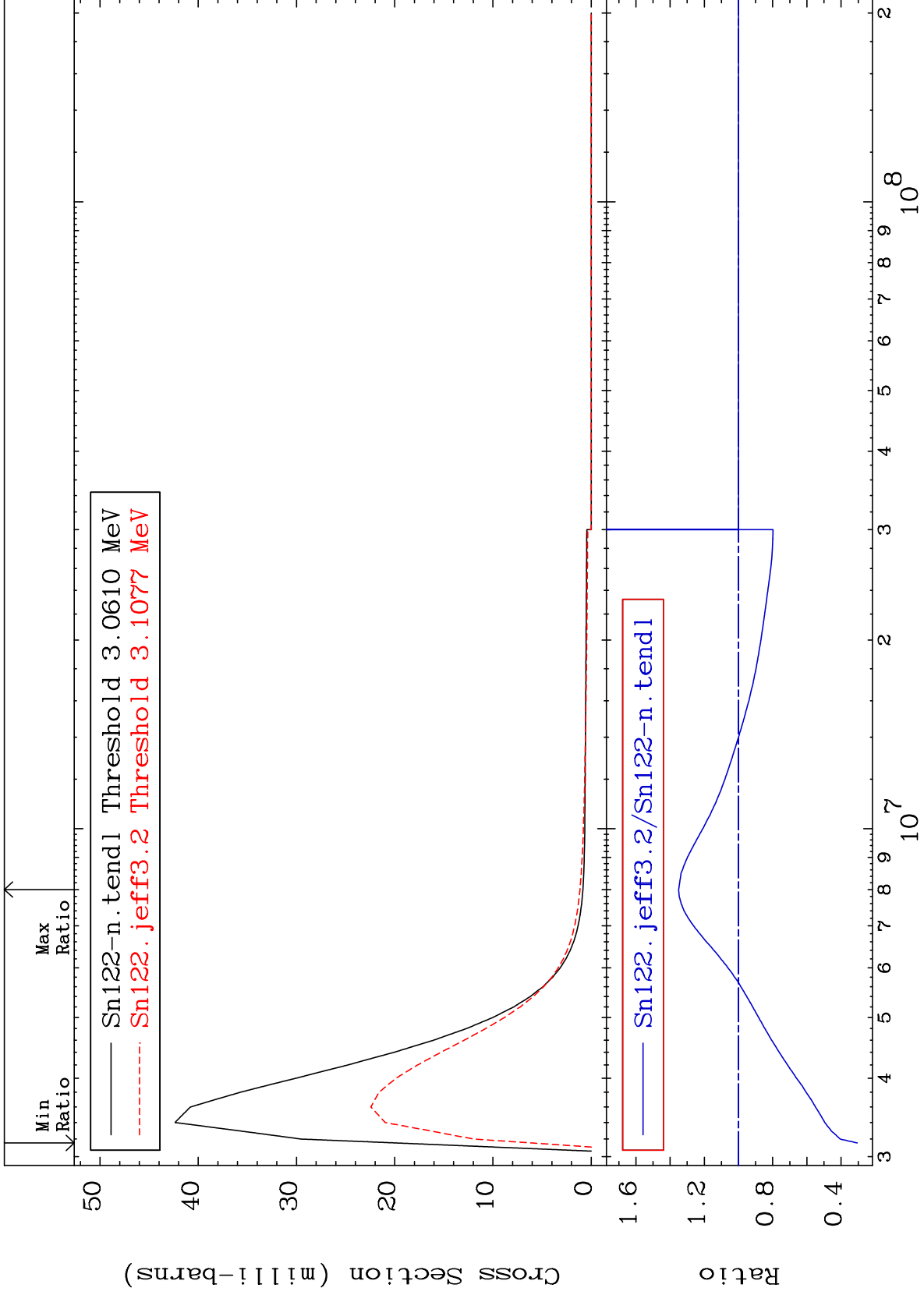
50-Sn-122  
-37.60 To 62.59 %



MAT 5055

3.036 MeV (n,n') Level  
Cross Section

50-Sn-122  
-69.45 To 35.01 %



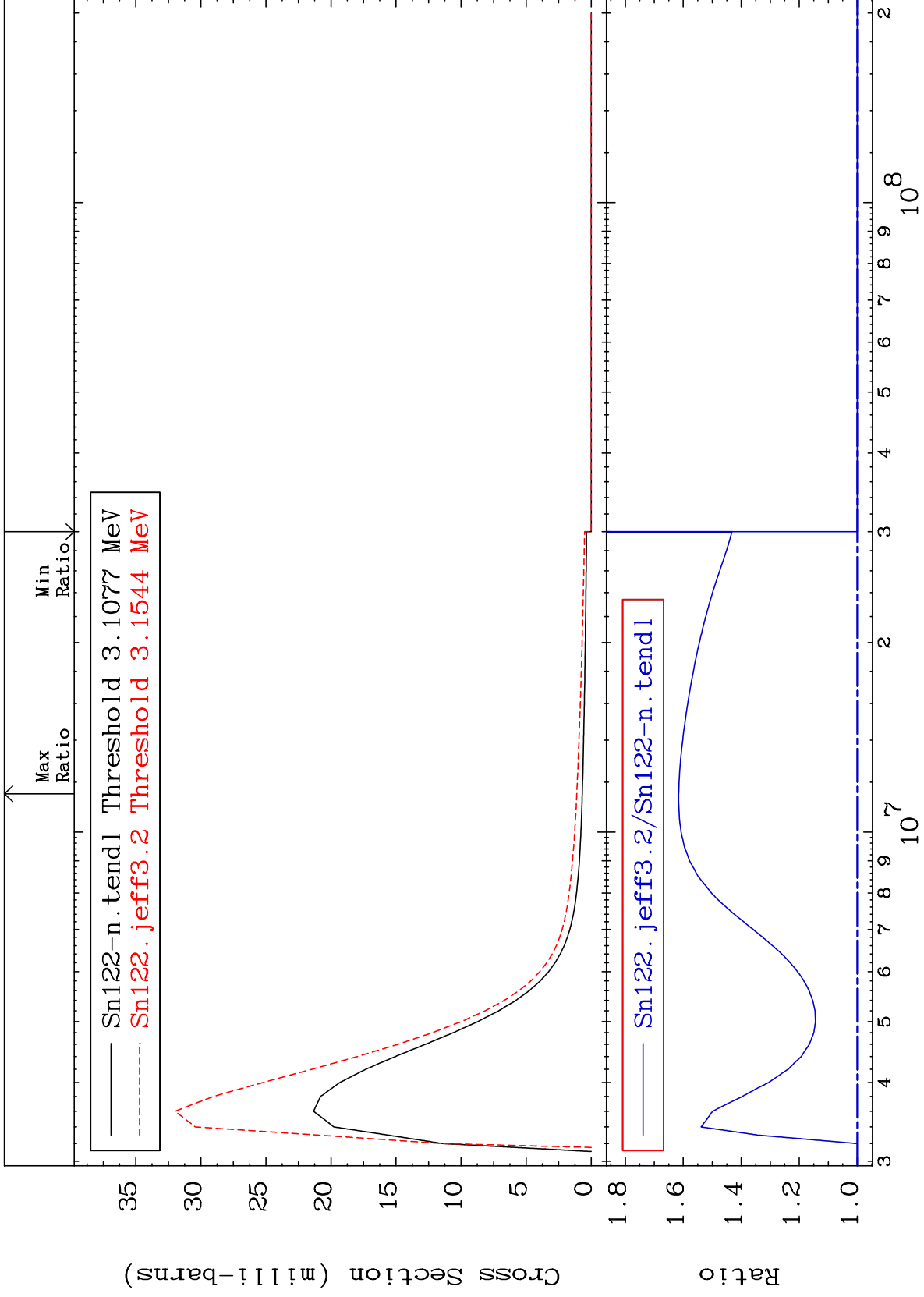
45

50-Sn-122

MAT 5055

3.082 MeV (n,n') Level  
Cross Section

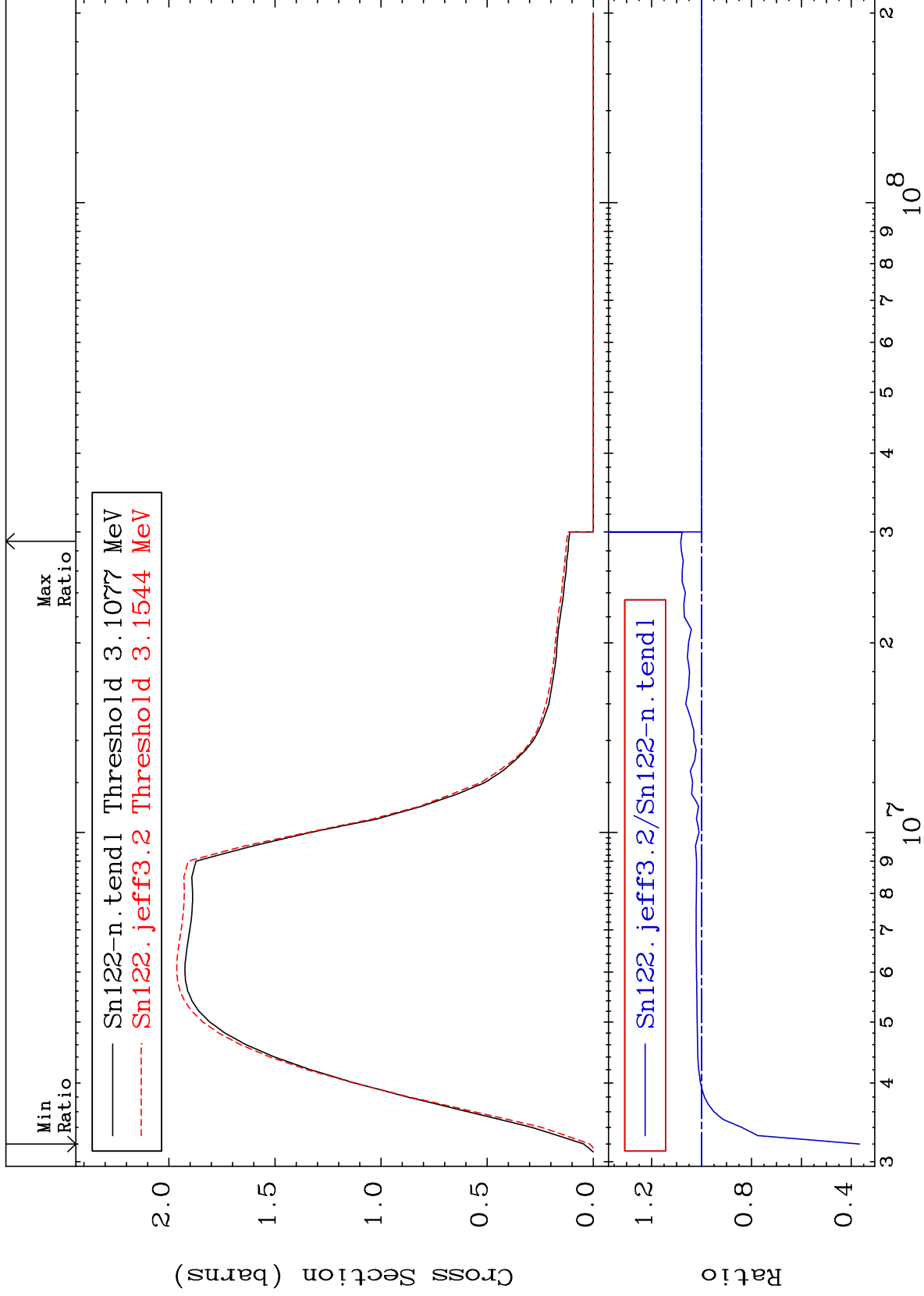
50-Sn-122  
To 61.60 %



MAT 5055

(n, n') Continuum  
Cross Section

50-Sn-122  
-63.30 To 8.311 %



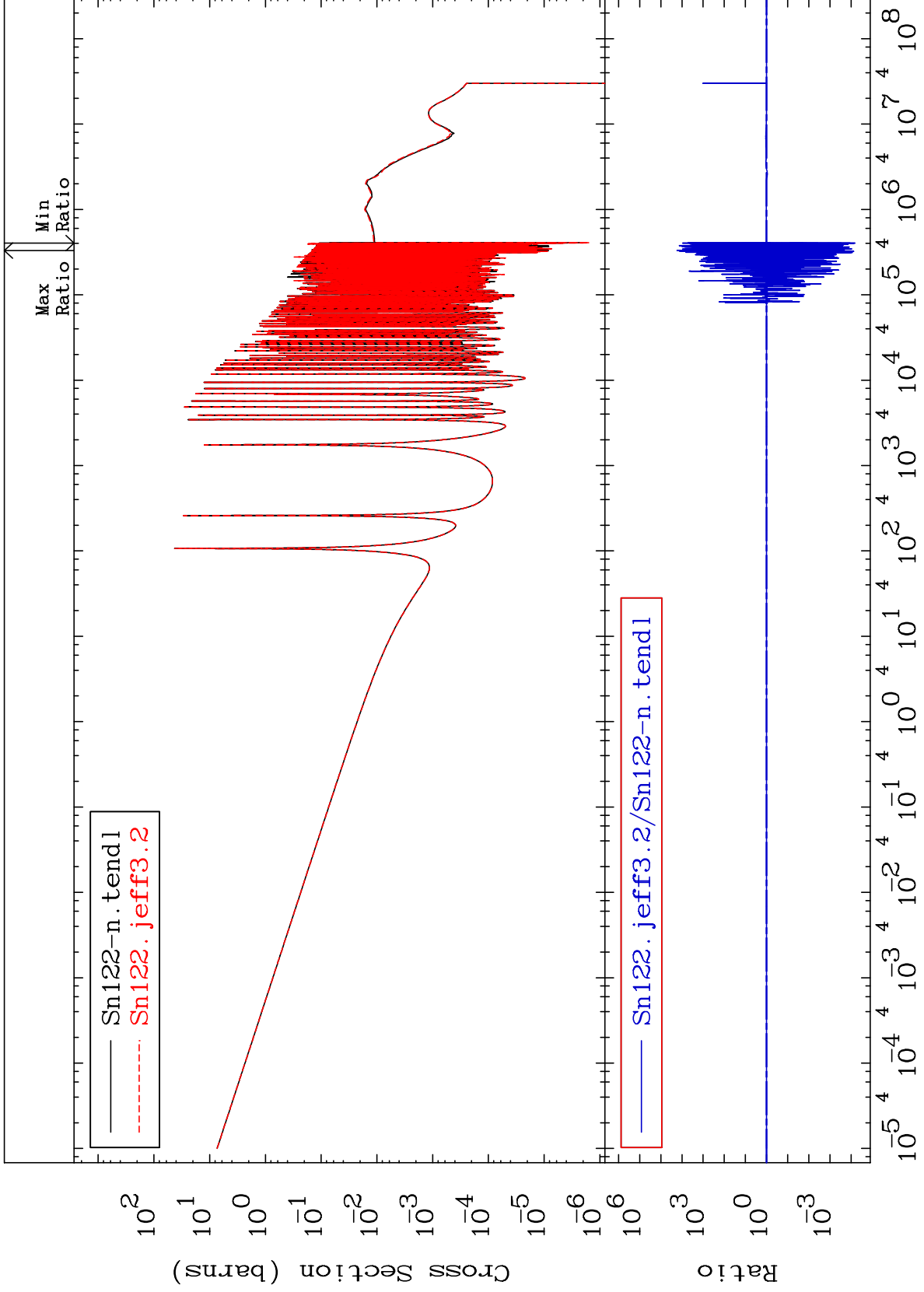
47

50-Sn-122

MAT 5055

(n,  $\gamma$ )  
Cross Section

50-Sn-122  
-99.99 To 9999. %

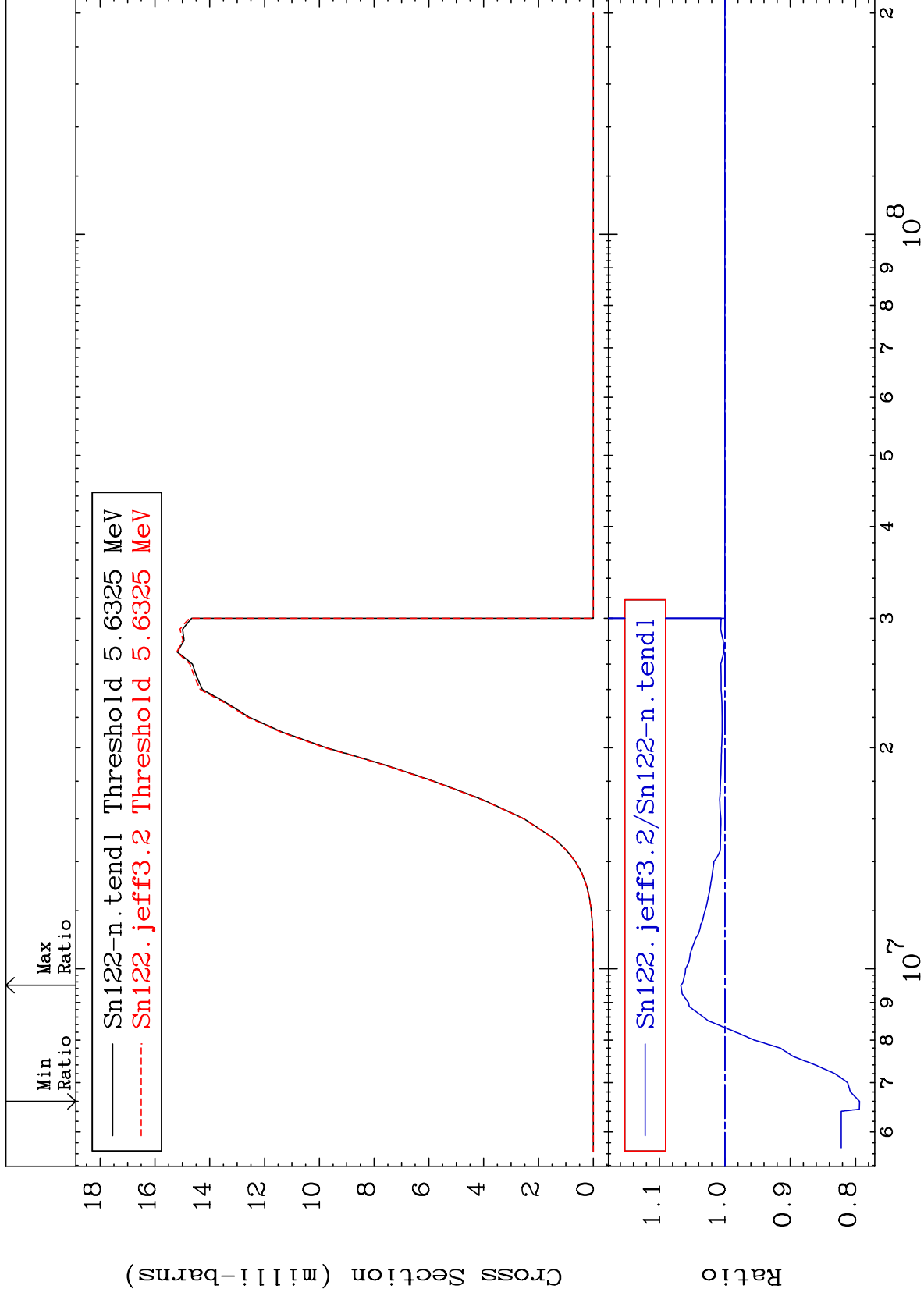




MAT 5055

(n,p)  
Cross Section

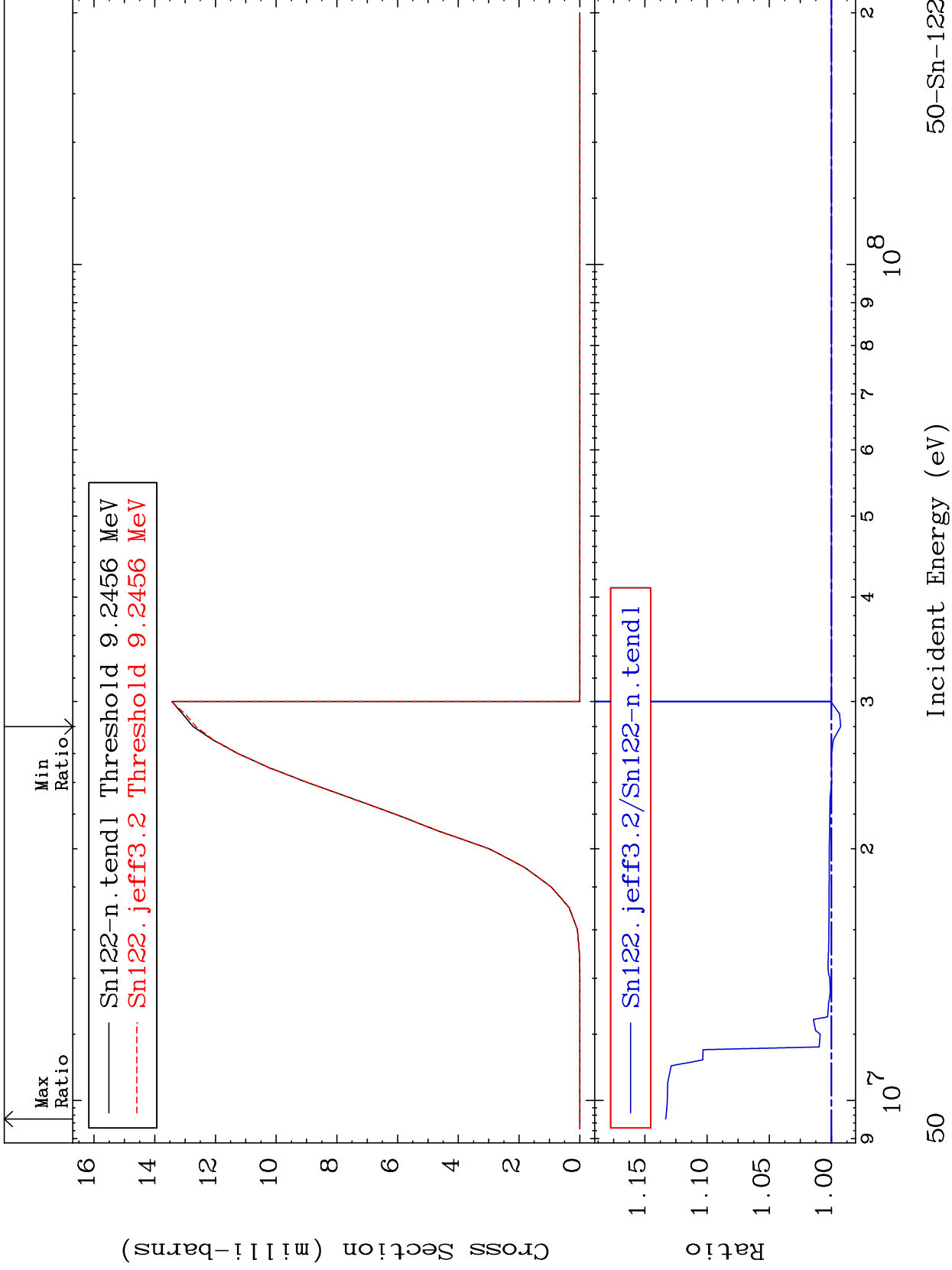
50-Sn-122  
-20.62 To 6.748 %

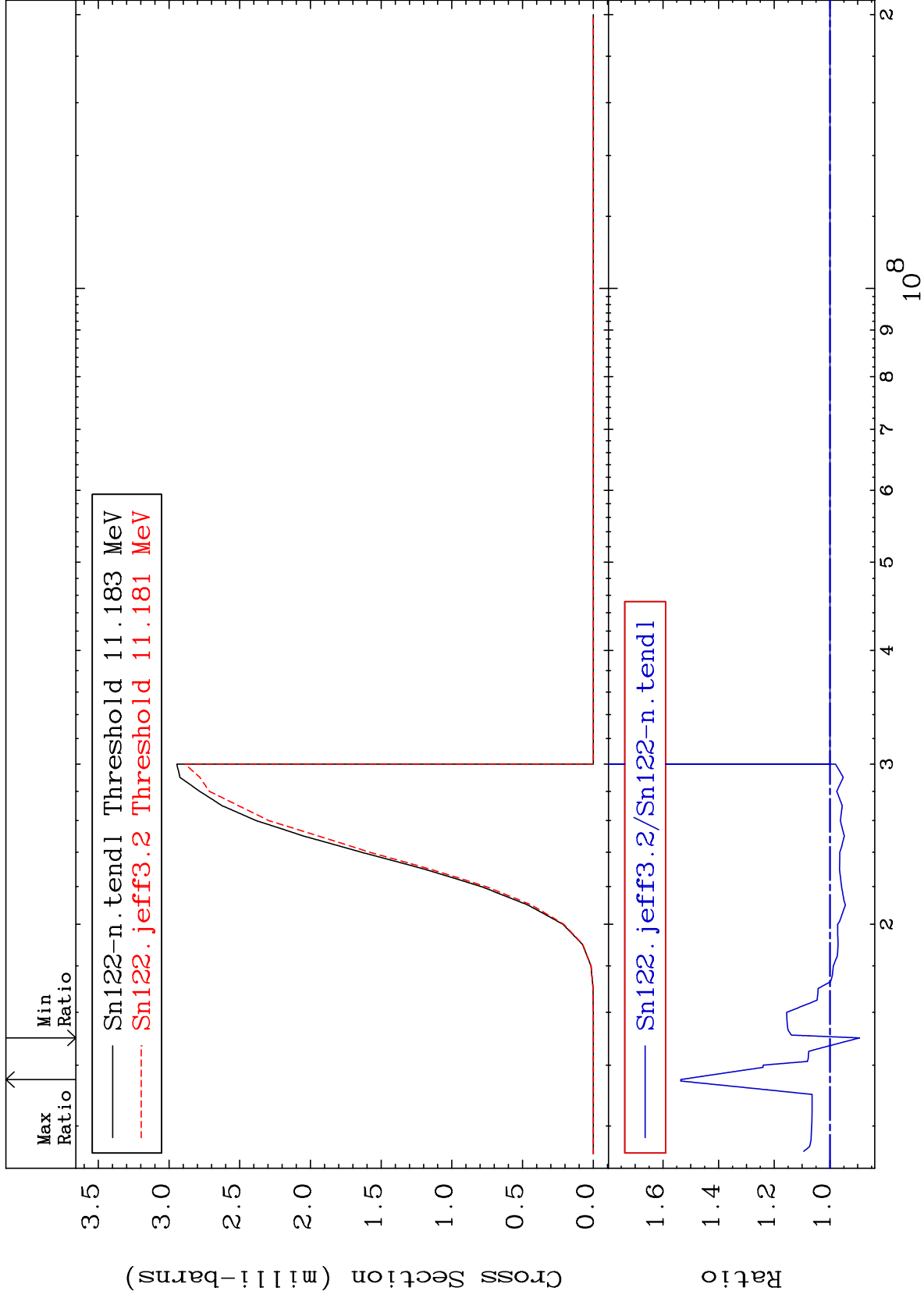


MAT 5055

(n, d)  
Cross Section

50-Sn-122  
-0.743 To 13.34 %





MAT 5055

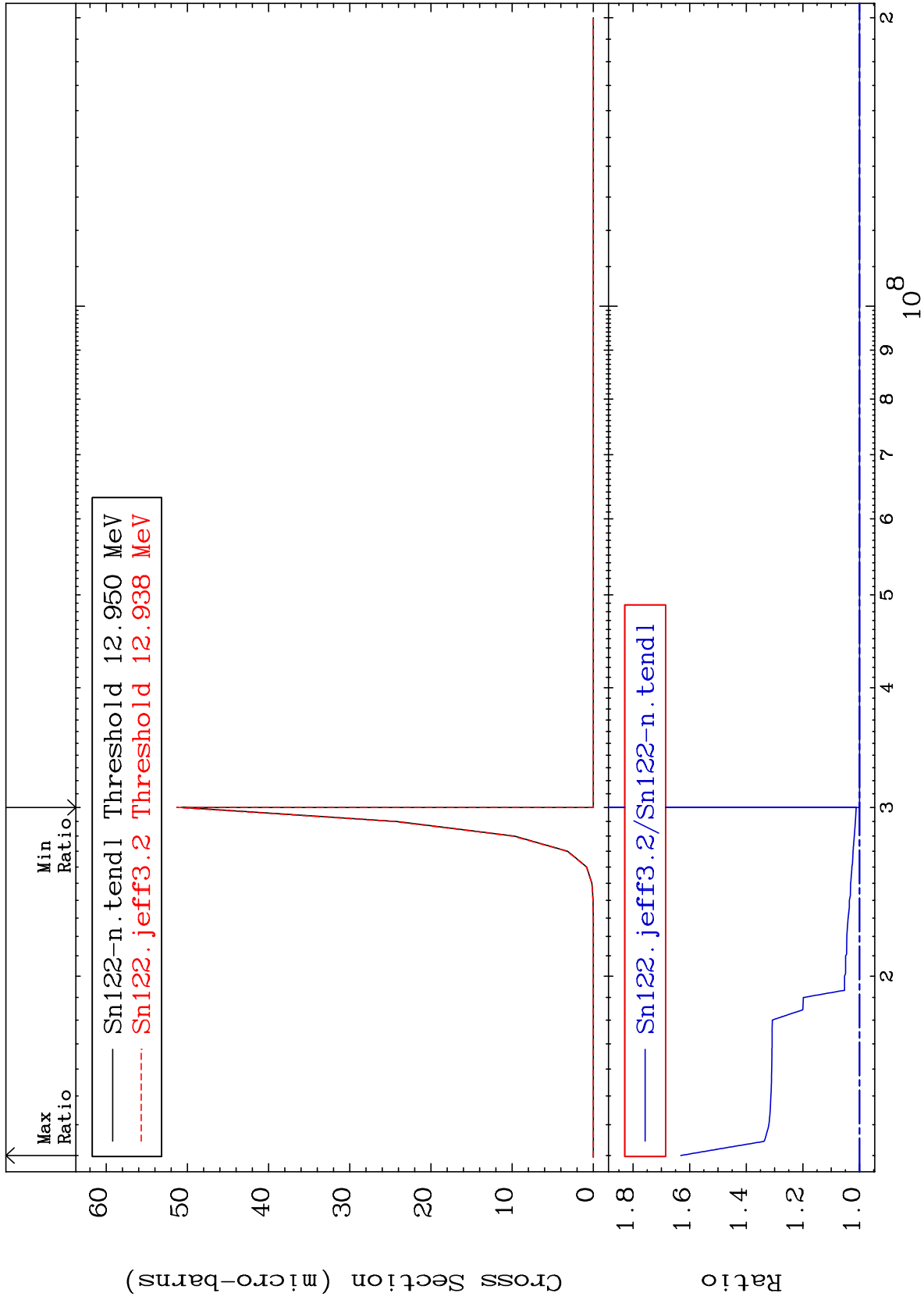
(n, He-3)

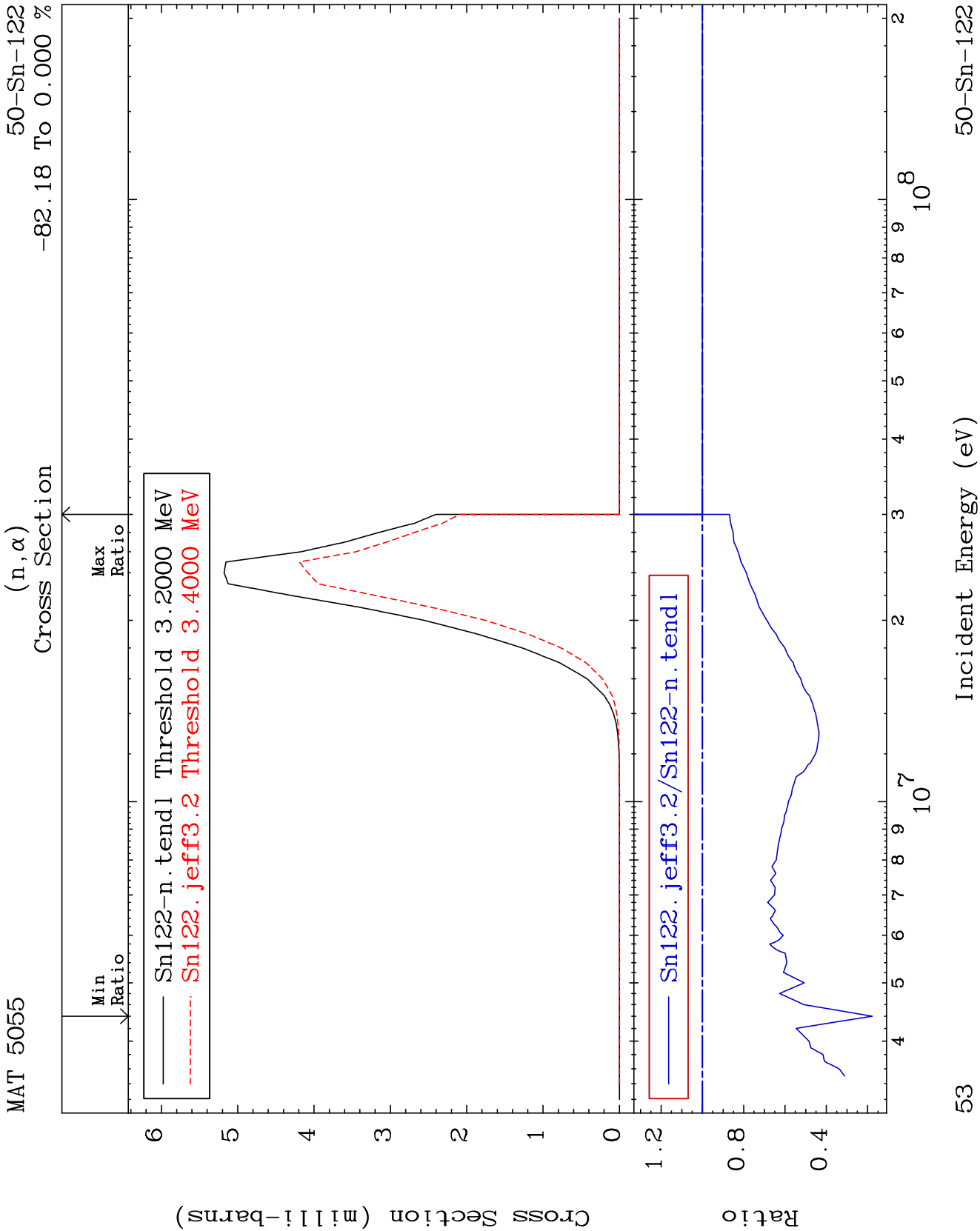
50-Sn-122

Cross Section

0.000

To 63.15 %

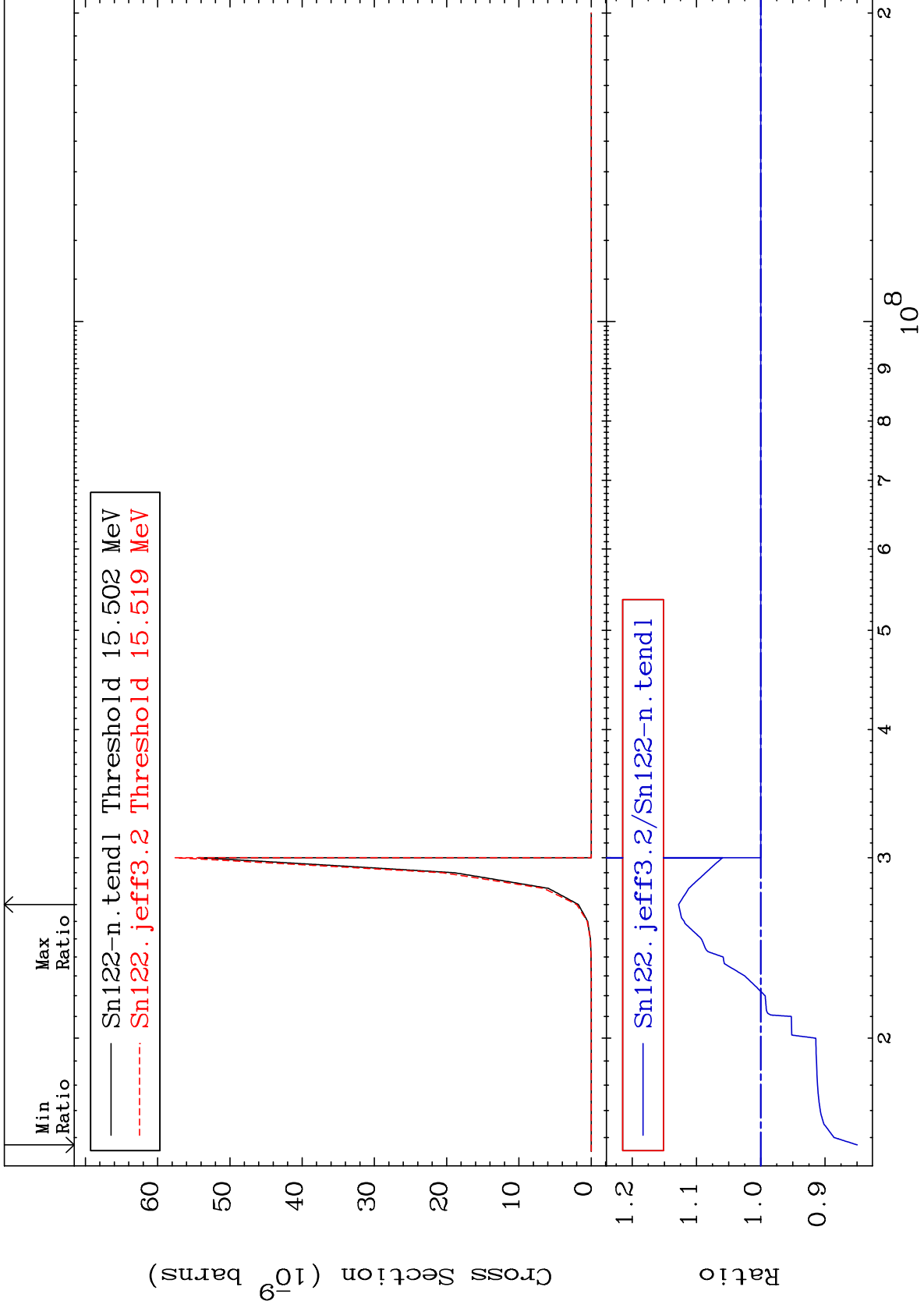




MAT 5055

(n,2p)  
Cross Section

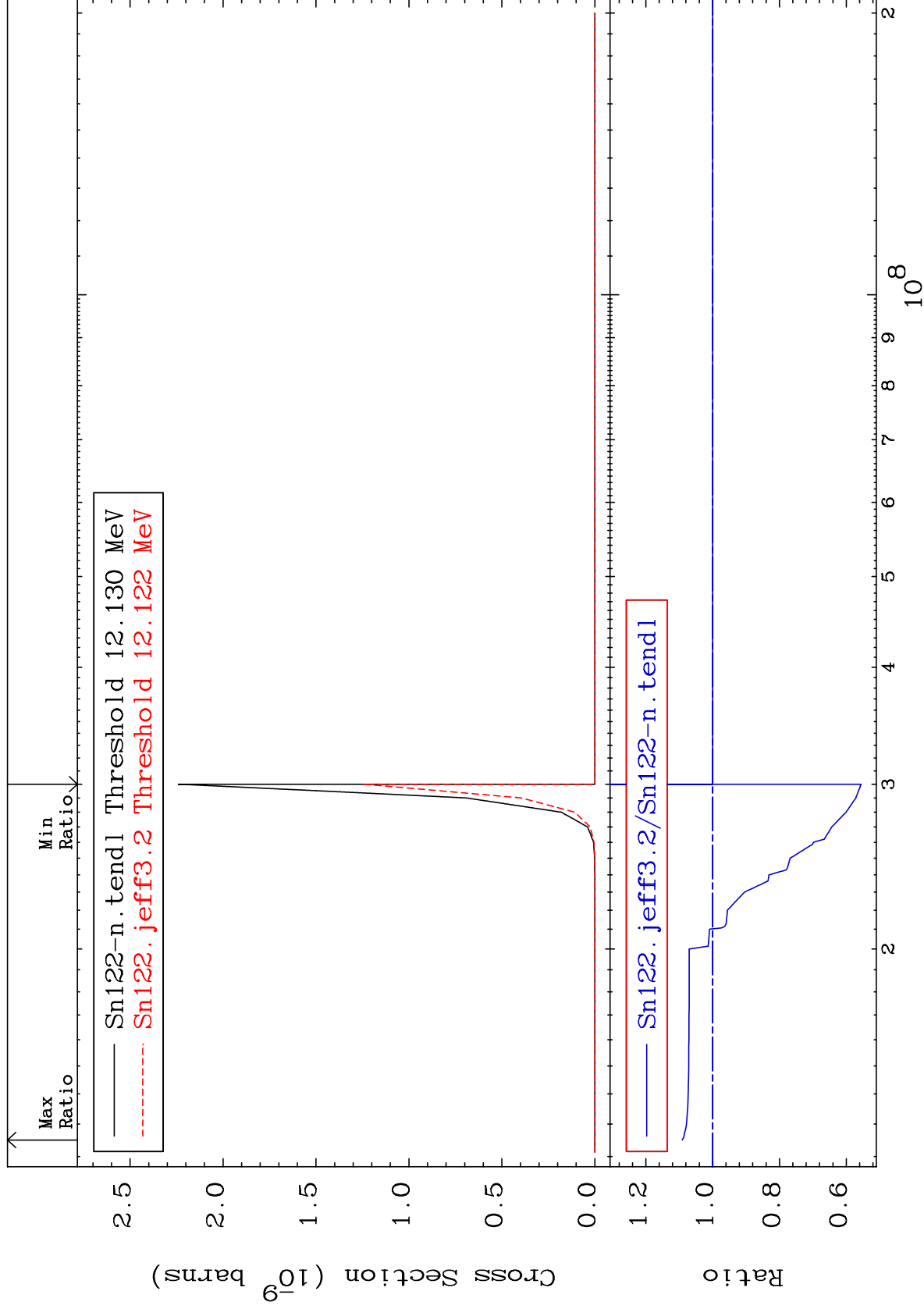
50-Sn-122  
-15.03 To 12.78 %



MAT 5055

(n,p)  $\alpha$   
Cross Section

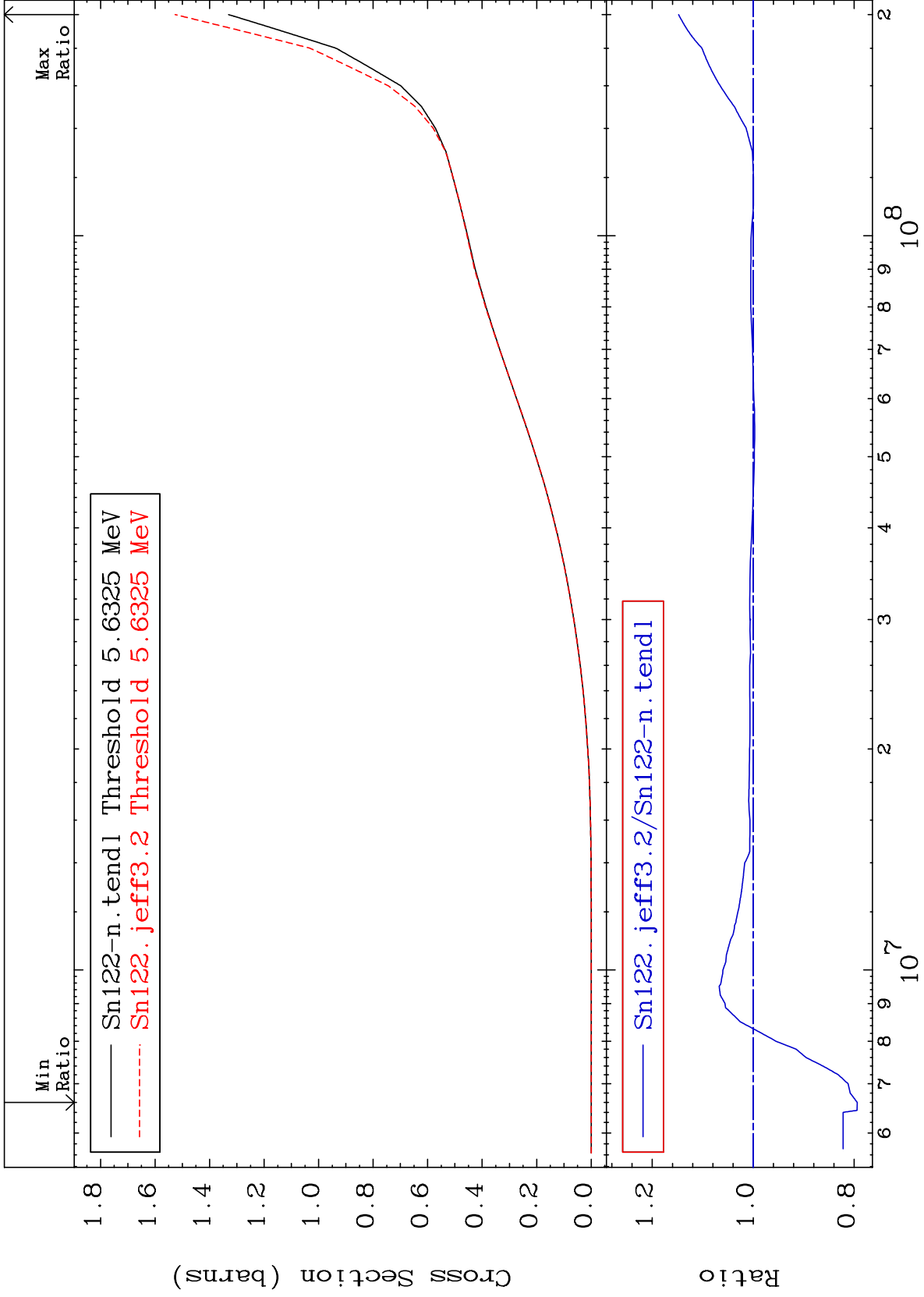
50-Sn-122  
-44.44 To 9.075 %



MAT 5055

Hydrogen Production  
Cross Section

50-Sn-122  
-20.62 To 14.78 %

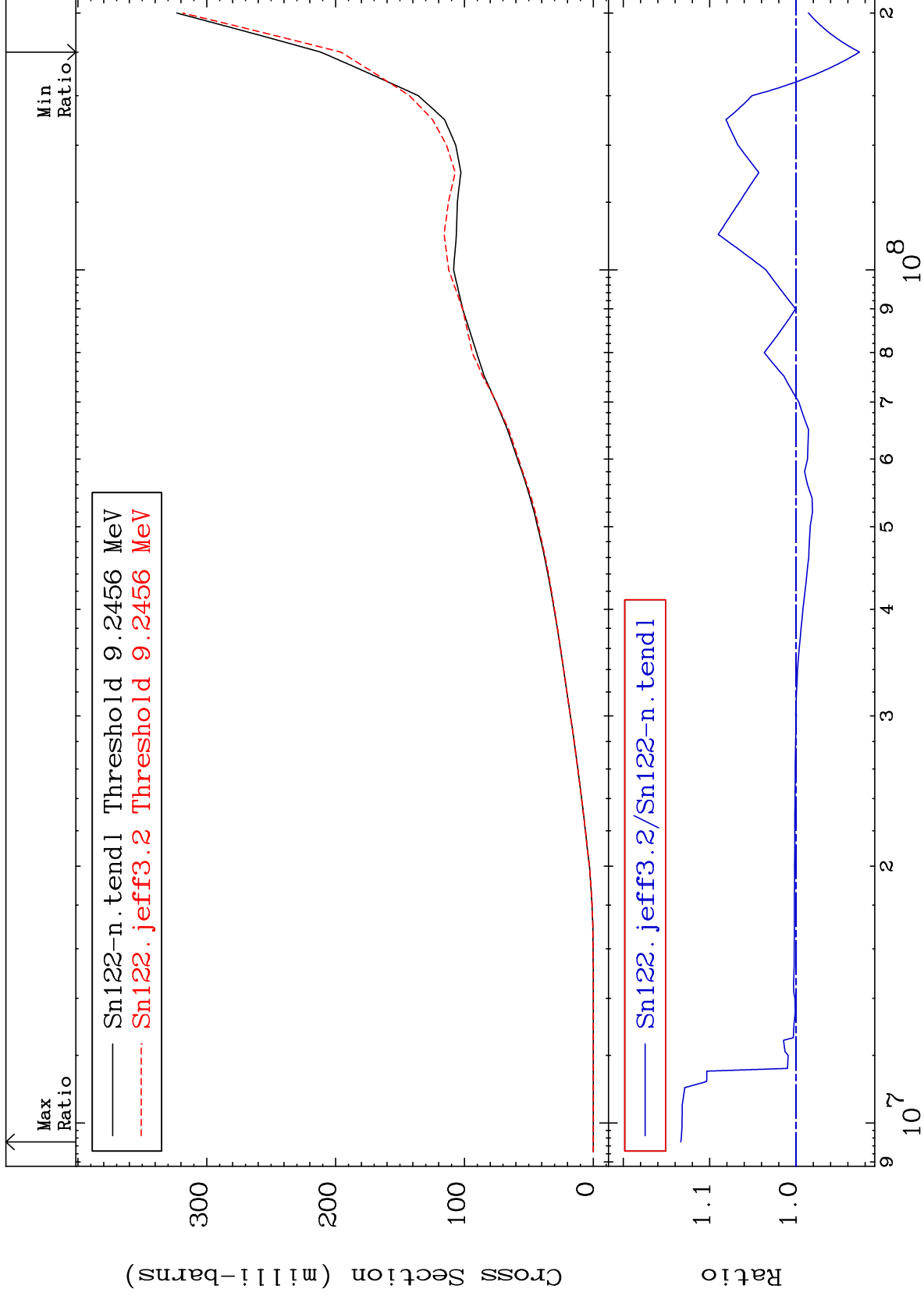




MAT 5055

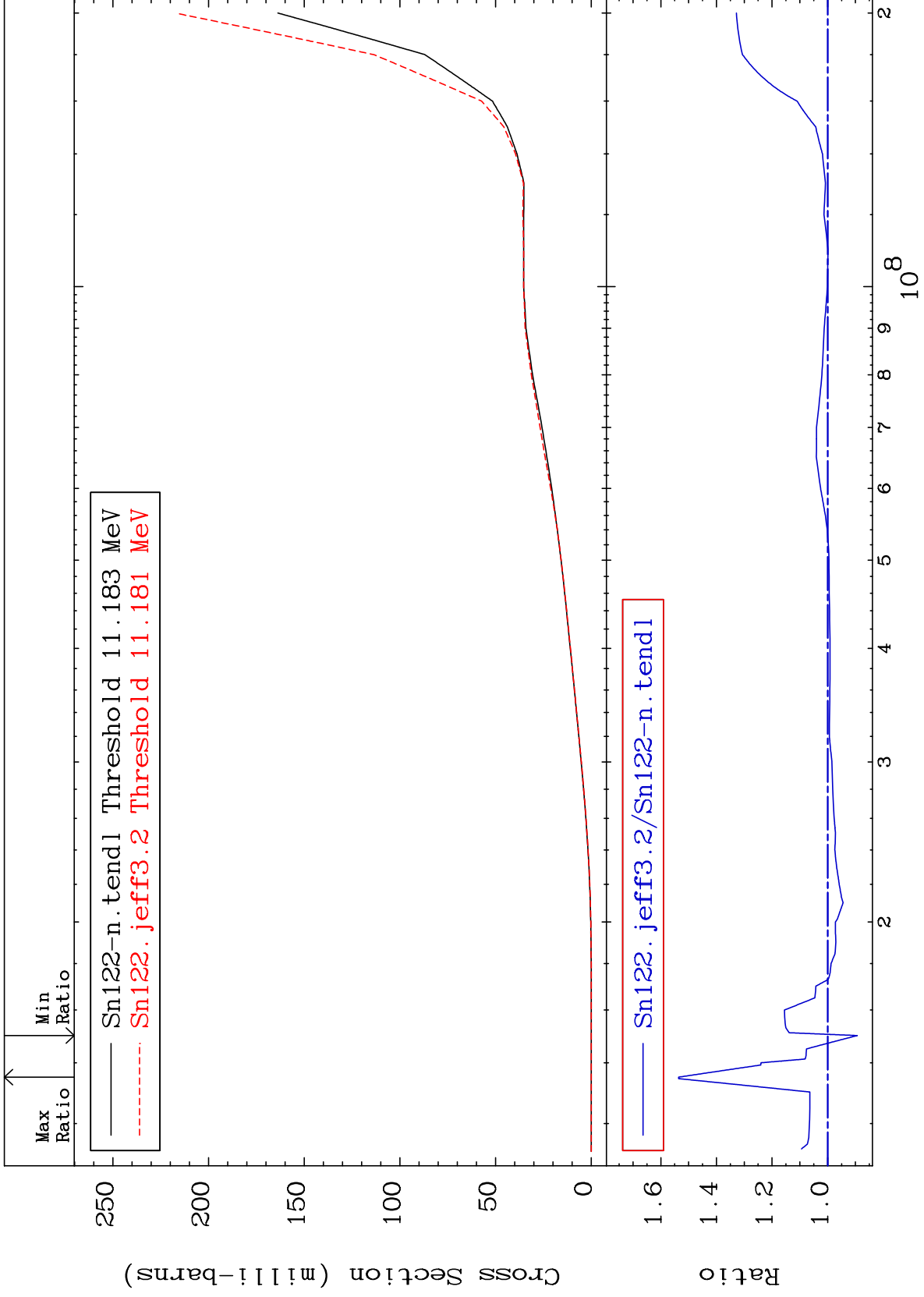
Deuterium Production  
Cross Section

50-Sn-122  
-7.356 To 13.34 %



57

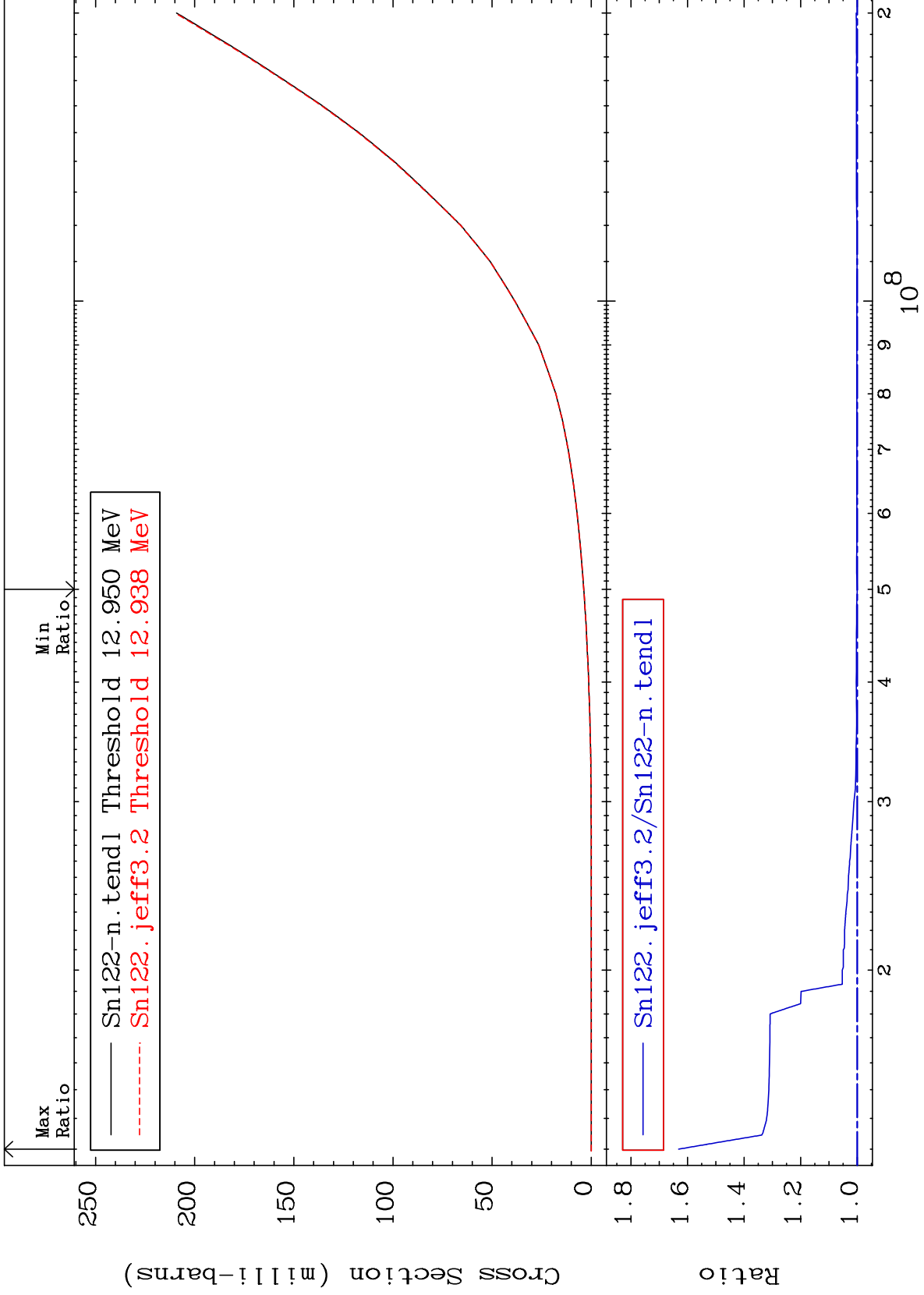
50-Sn-122

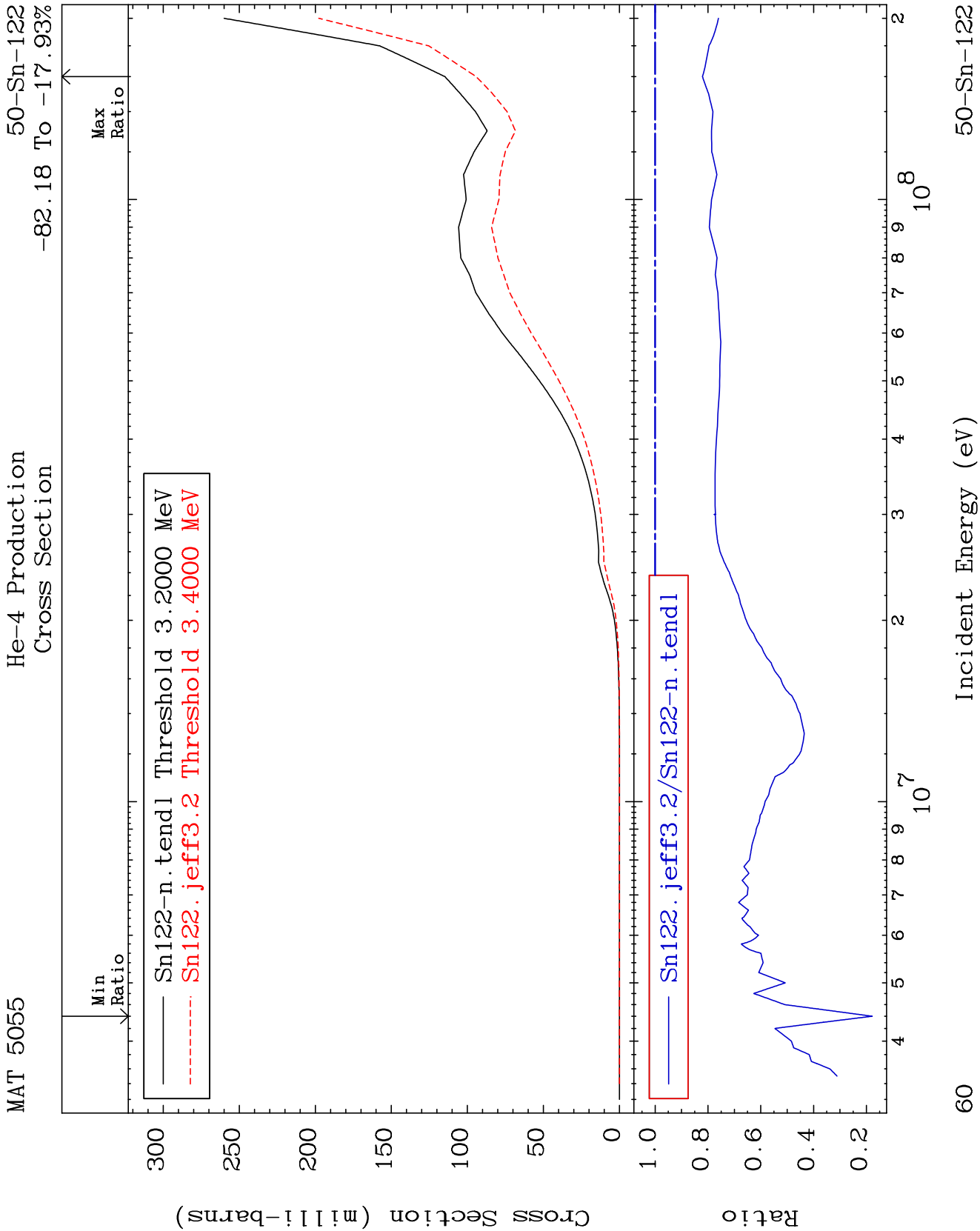


MAT 5055

He-3 Production  
Cross Section

50-Sn-122  
To 63.15 %

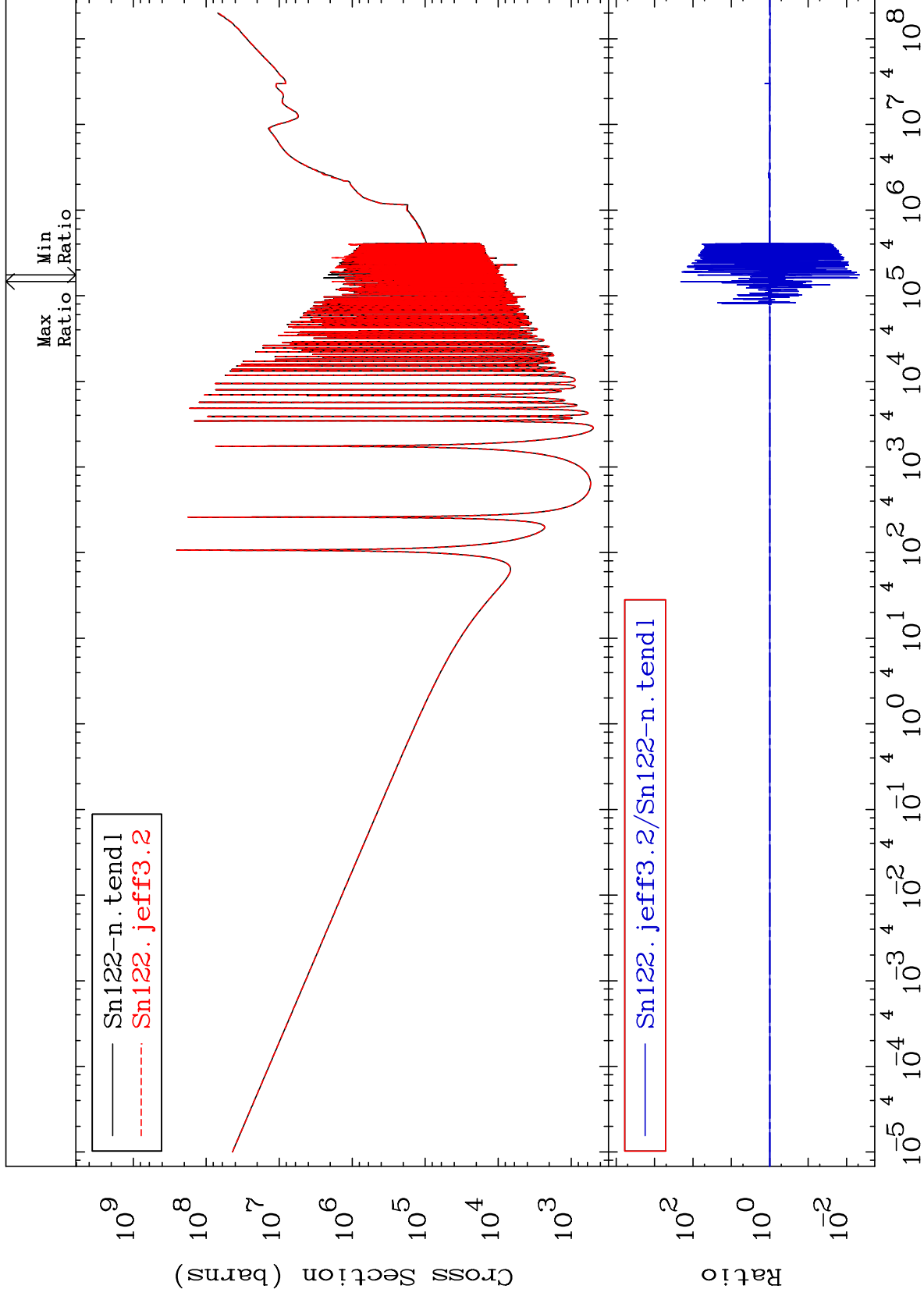




MAT 5055

Kerma total (eV-barns)  
Cross Section

50-Sn-122  
-99.54 To 9999. %



61

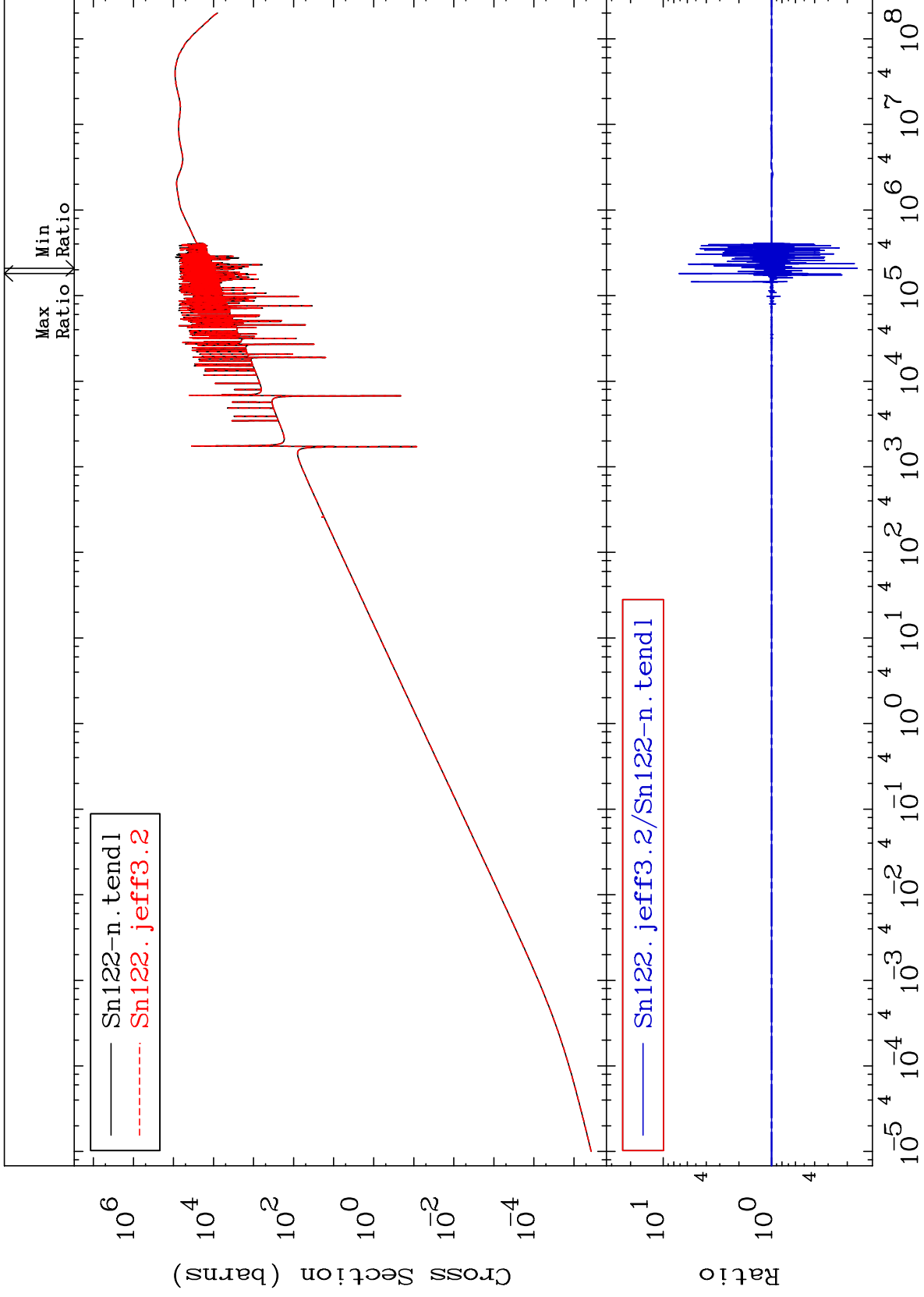
Incident Energy (eV)

50-Sn-122

MAT 5055

Kerma elastic  
Cross Section

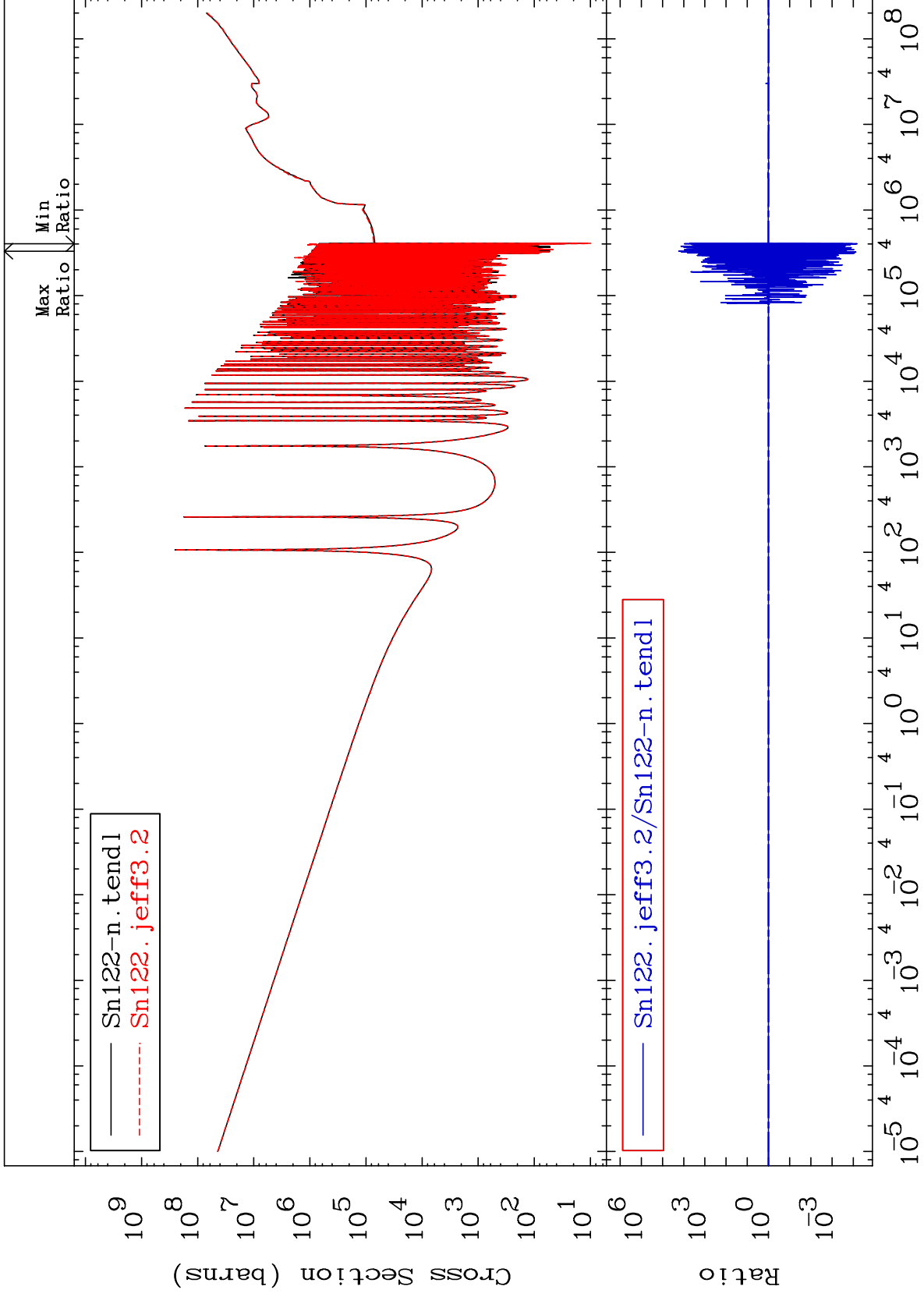
50-Sn-122  
-83.83 To 620.7 %



MAT 5055

Kerma non-elastic (all but mt2)  
Cross Section

50-Sn-122  
-99.99 To 9999. %



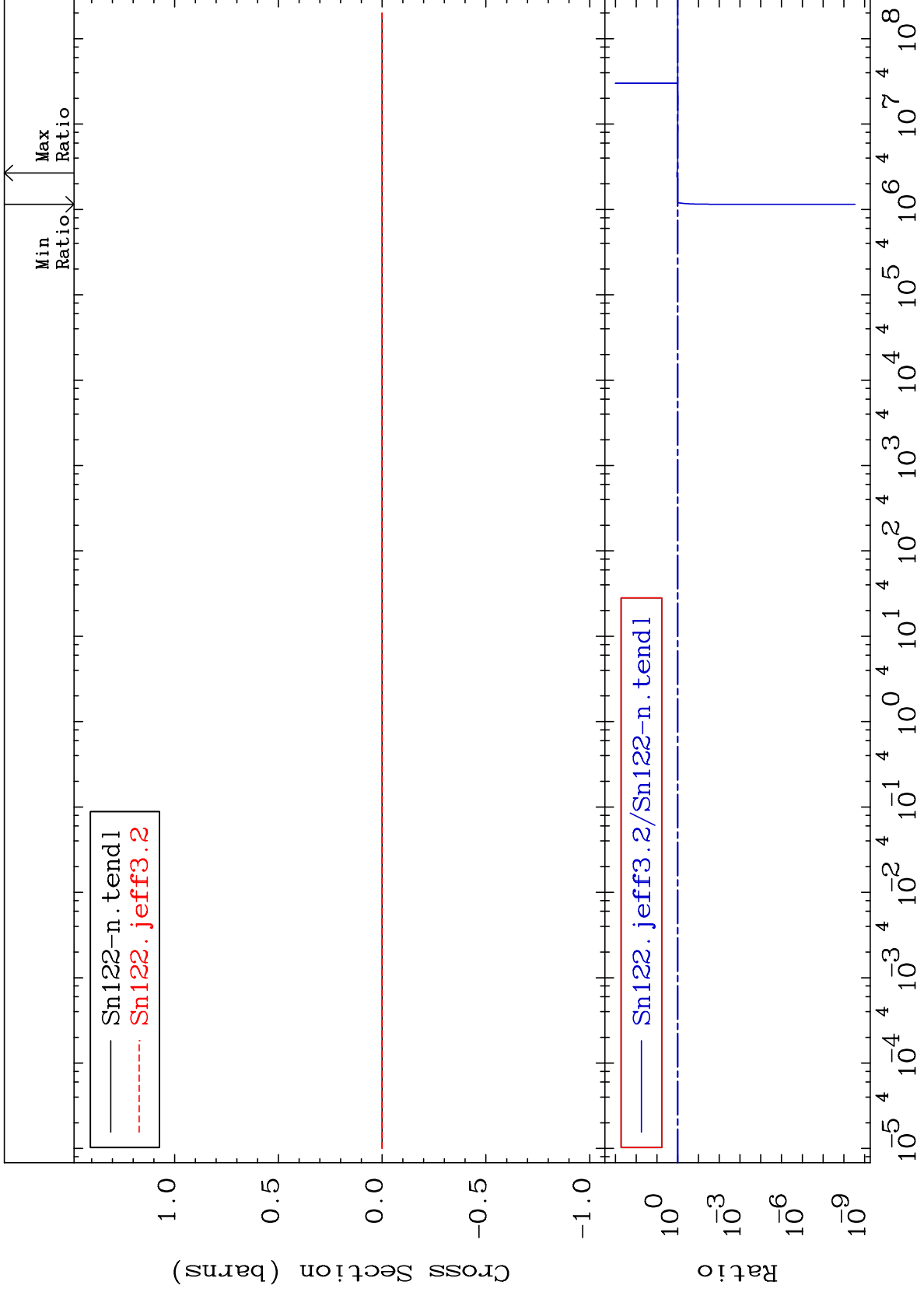


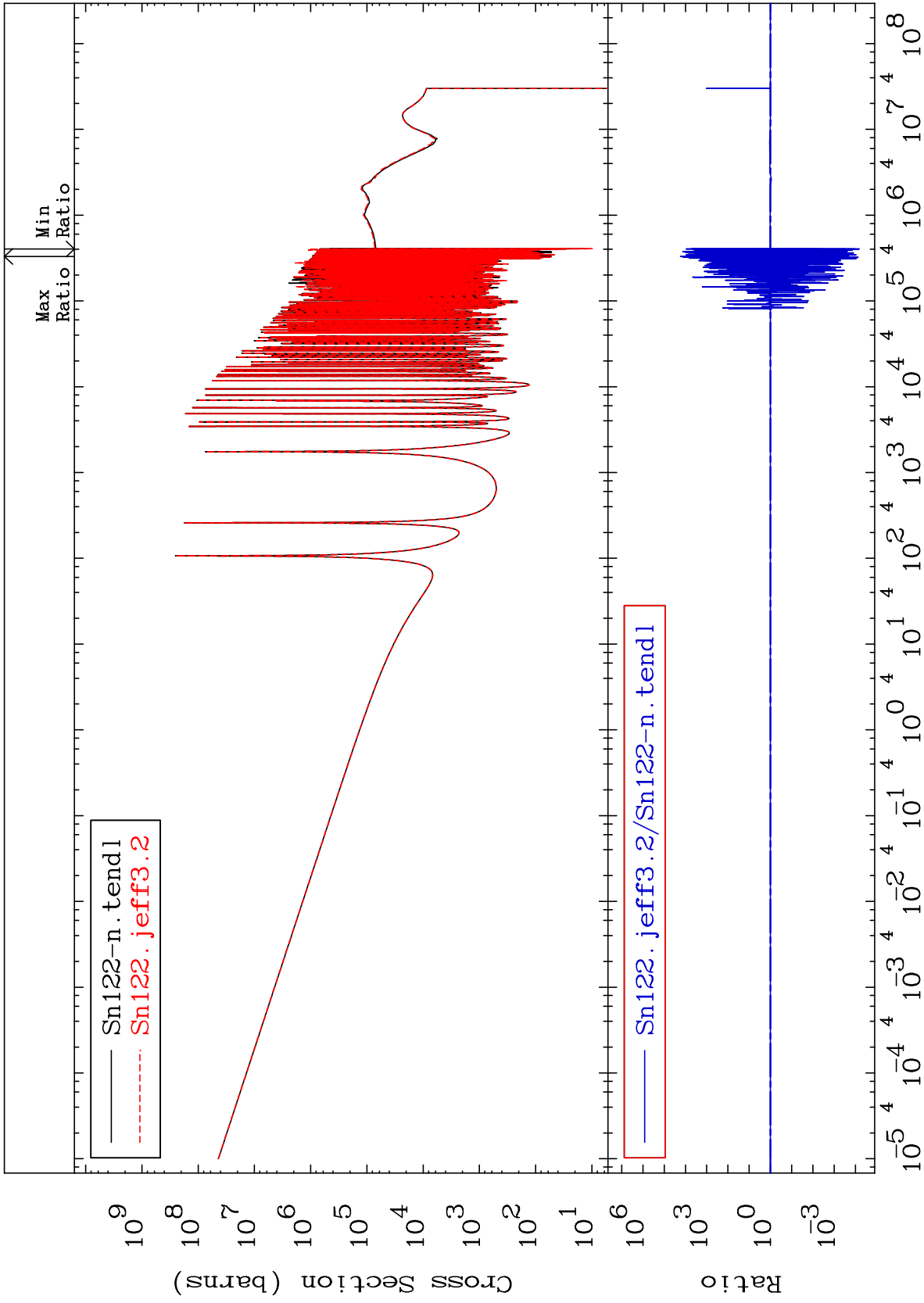


MAT 5055

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

50-Sn-122  
-100.0 To 8.969 %

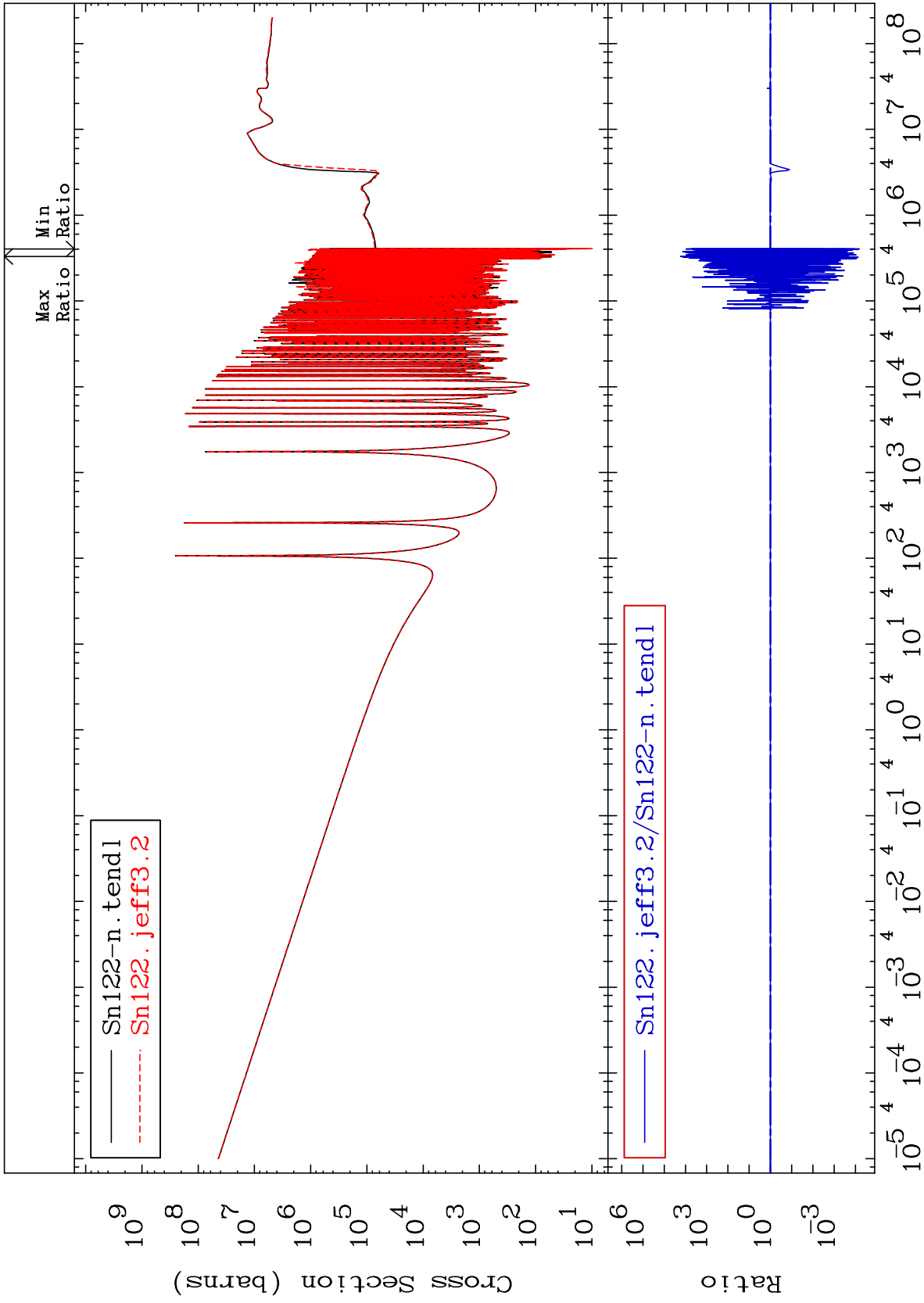




MAT 5055

Total photon (eV-barns)  
Cross Section

50-Sn-122  
-99.99 To 9999. %



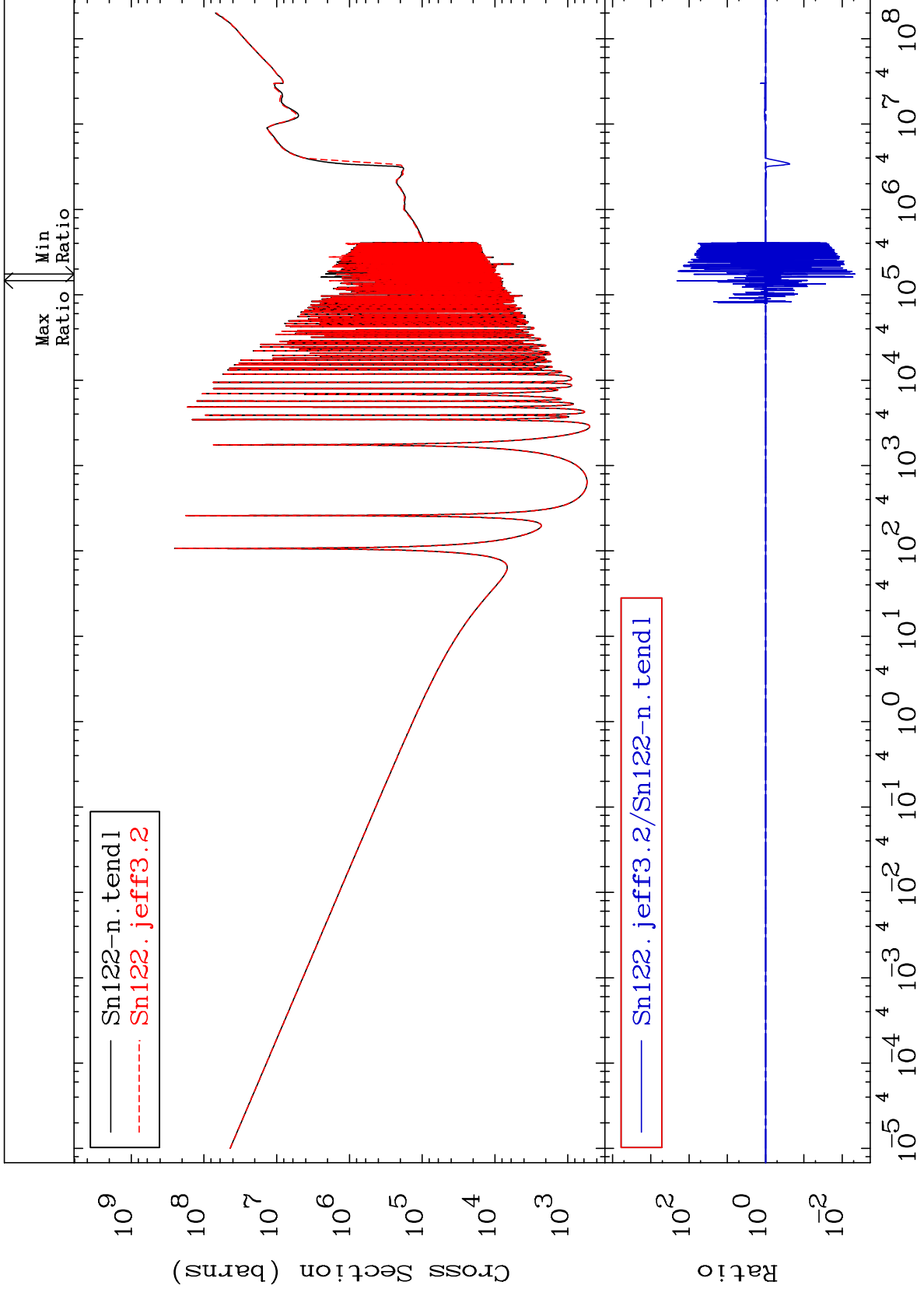
67

50-Sn-122

MAT 5055

Total kinematic kerma (high limit)  
Cross Section

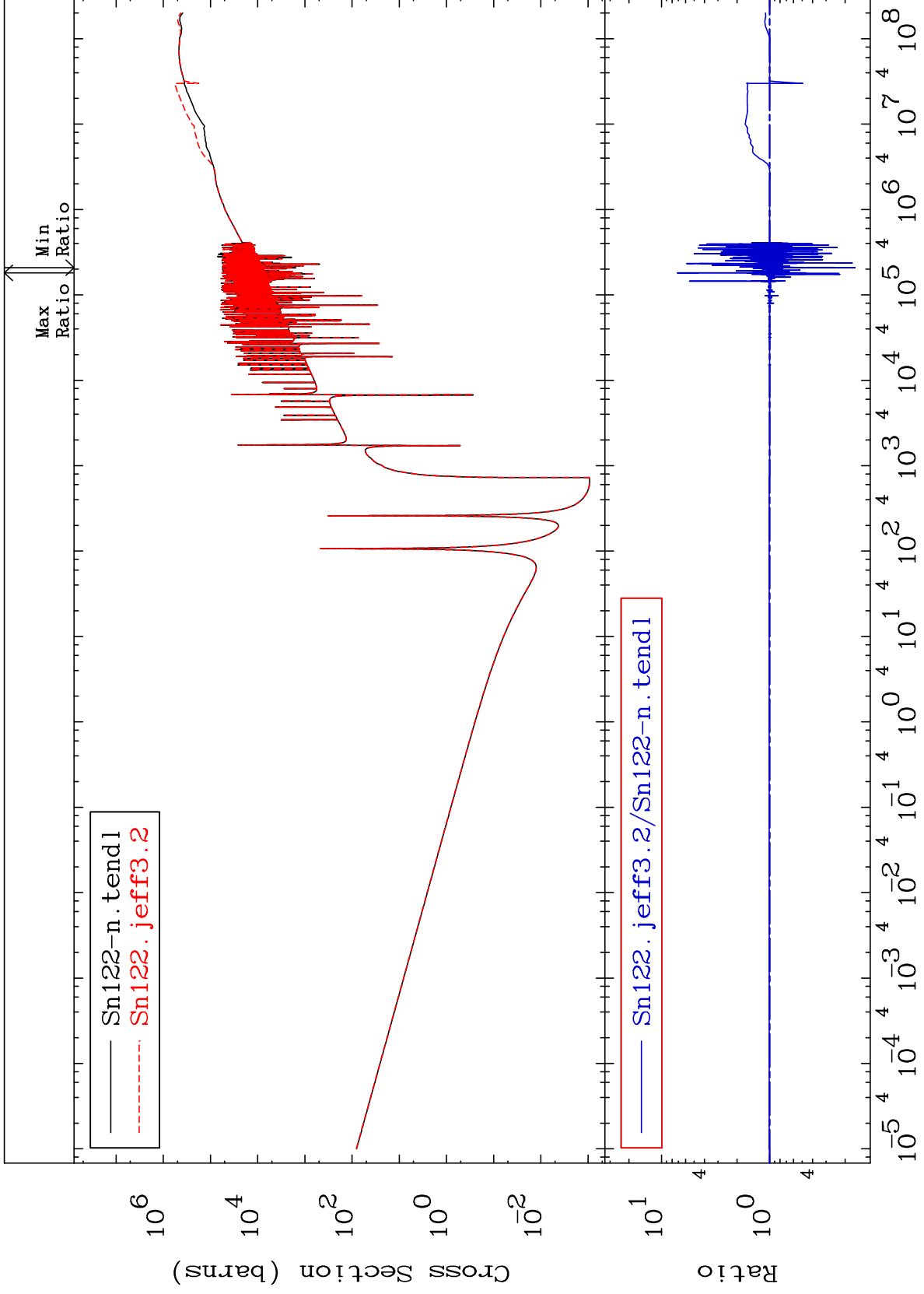
50-Sn-122  
-99.54 To 9999. %



MAT 5055

Dpa total (eV-barns)  
Cross Section

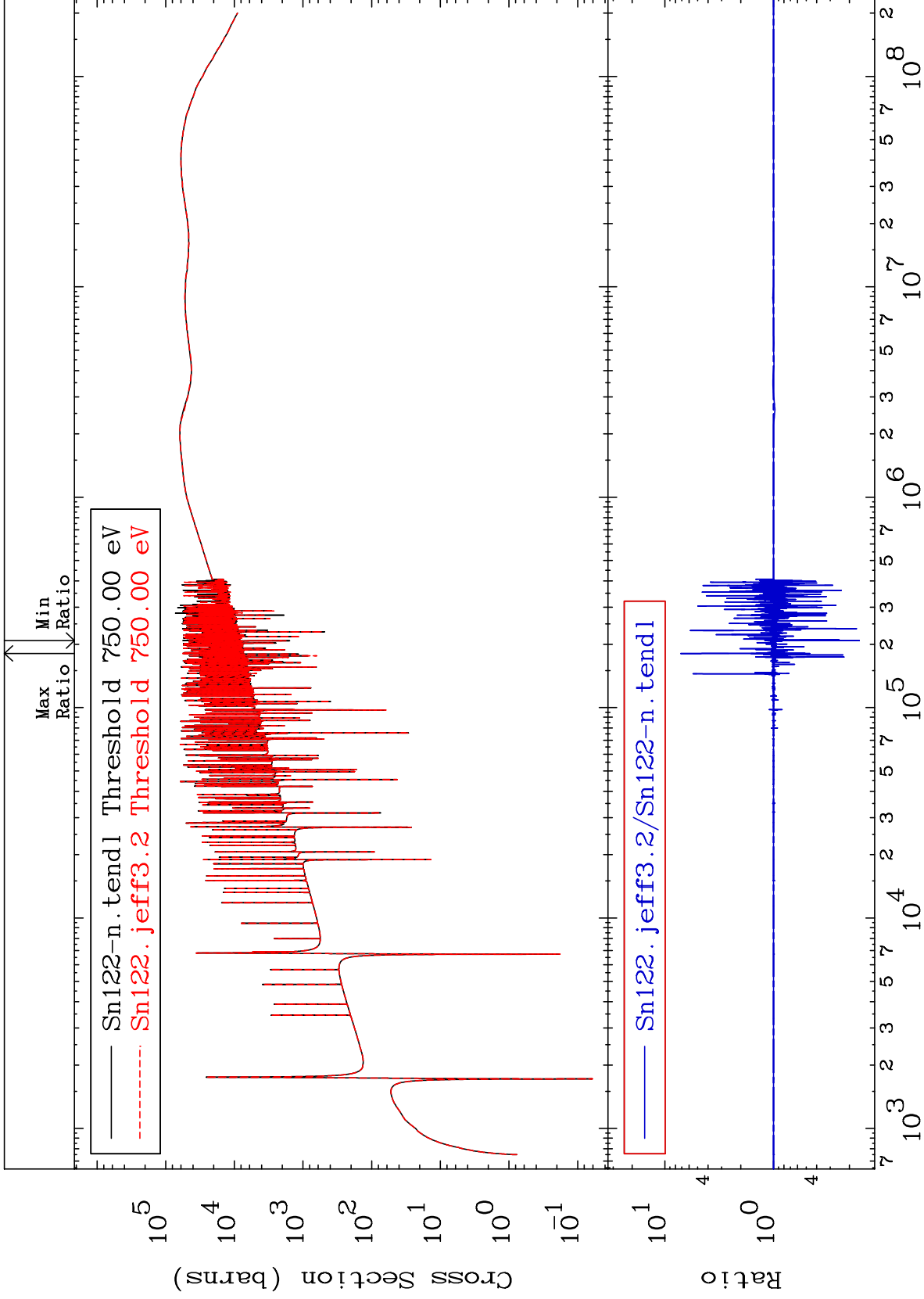
50-Sn-122  
-83.83 To 620.7 %



MAT 5055

Dpa elastic (mt2)  
Cross Section

50-Sn-122  
-83.83 To 620.7 %



70

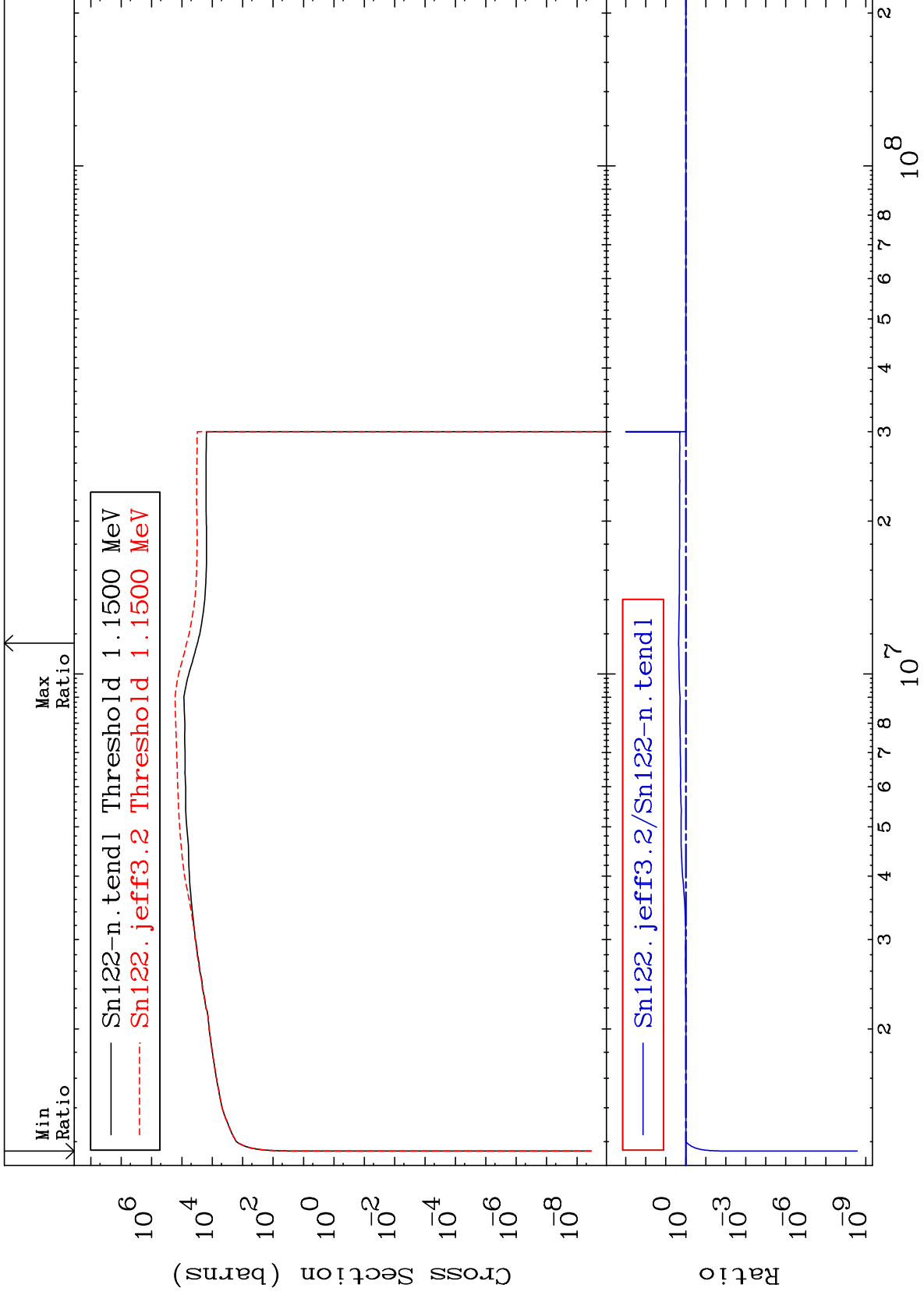
Incident Energy (eV)

50-Sn-122

MAT 5055

Dpa inelastic (mt51-91)  
Cross Section

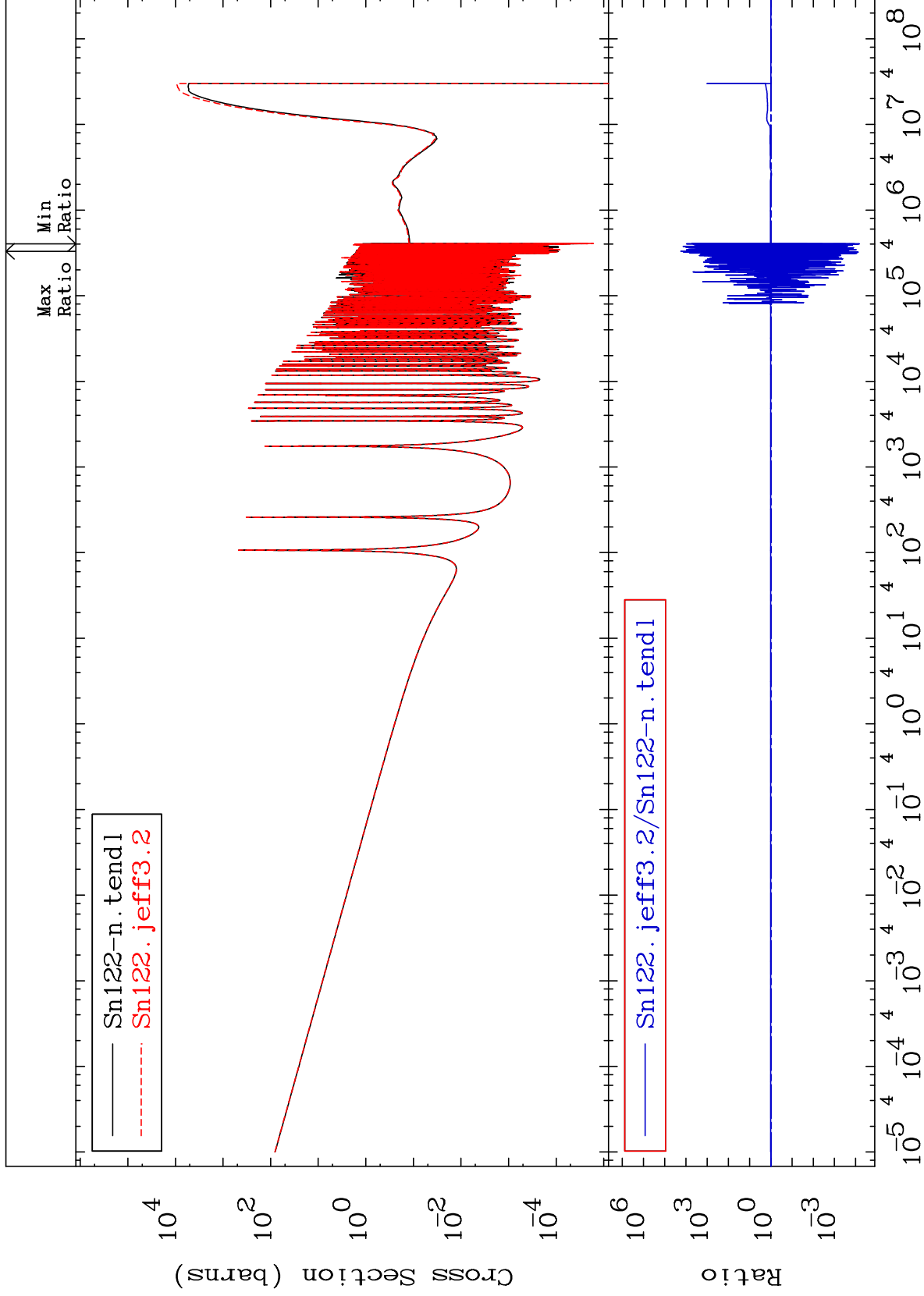
50-Sn-122  
-100.0 To 127.4 %



MAT 5055

Dpa disappearance (mt102 -120)  
Cross Section

50-Sn-122  
-99.99 To 9999. %



72

Incident Energy (eV)

50-Sn-122

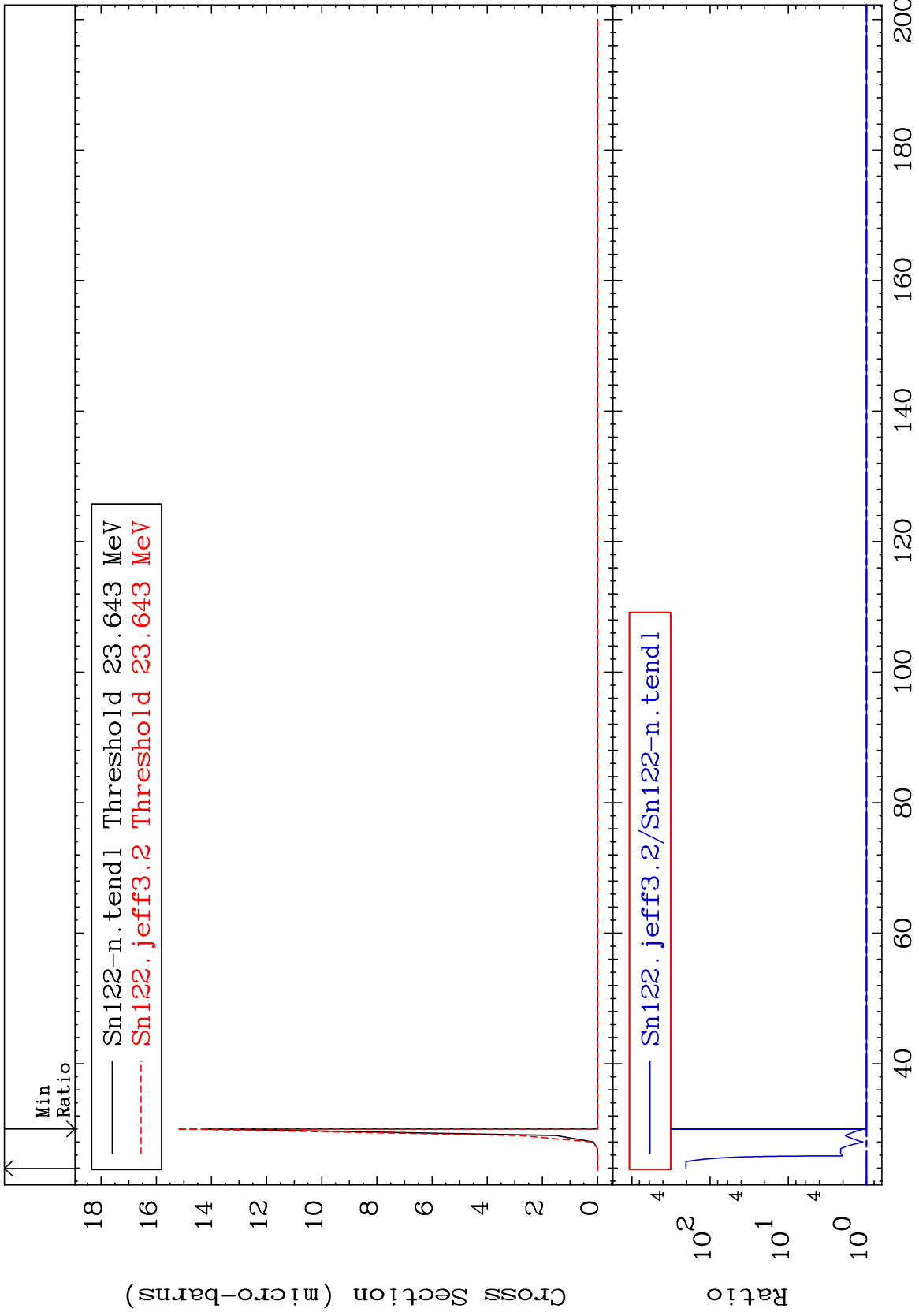


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section 0.000 To 9999. %

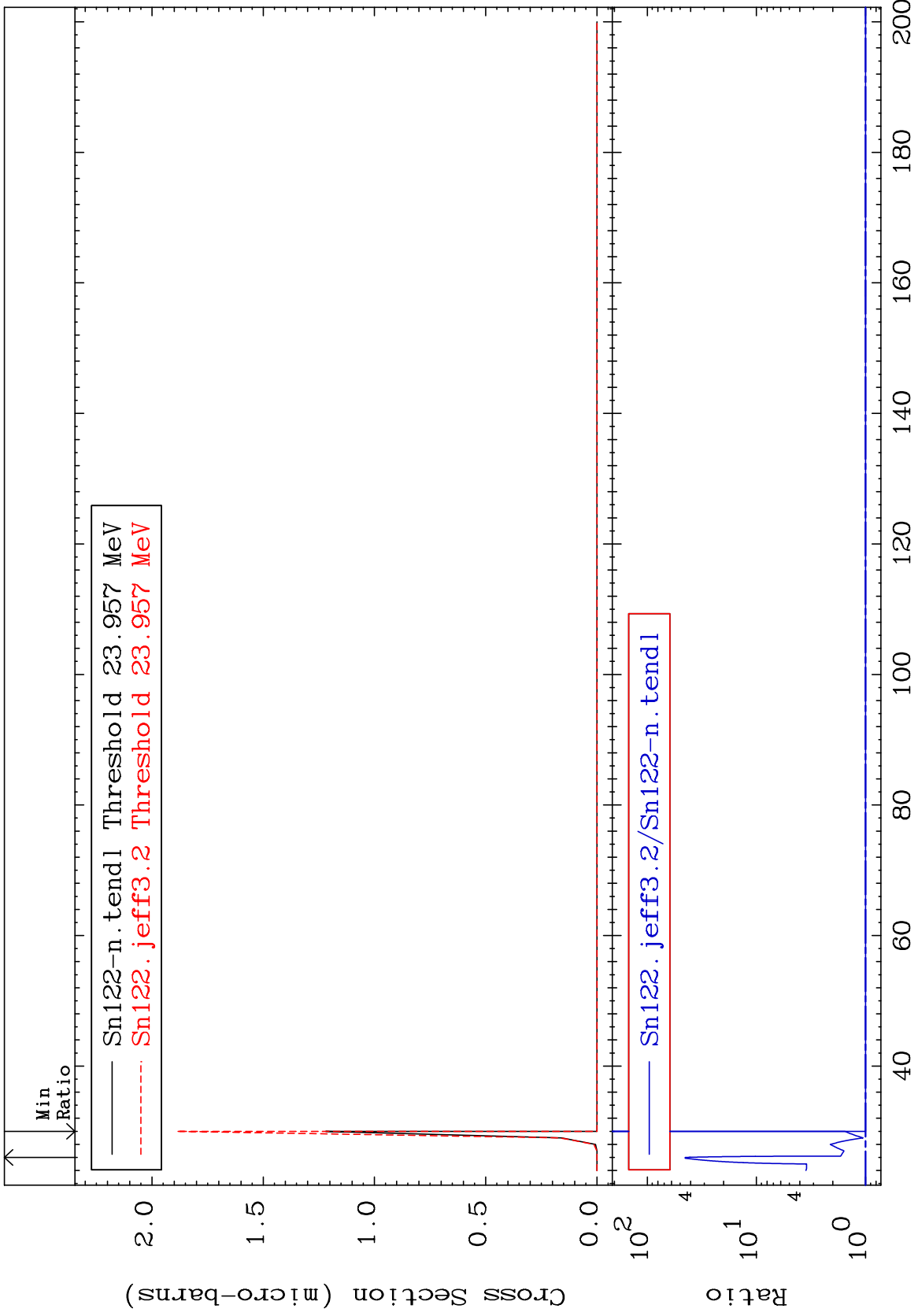


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section 0.000 To 4394. %



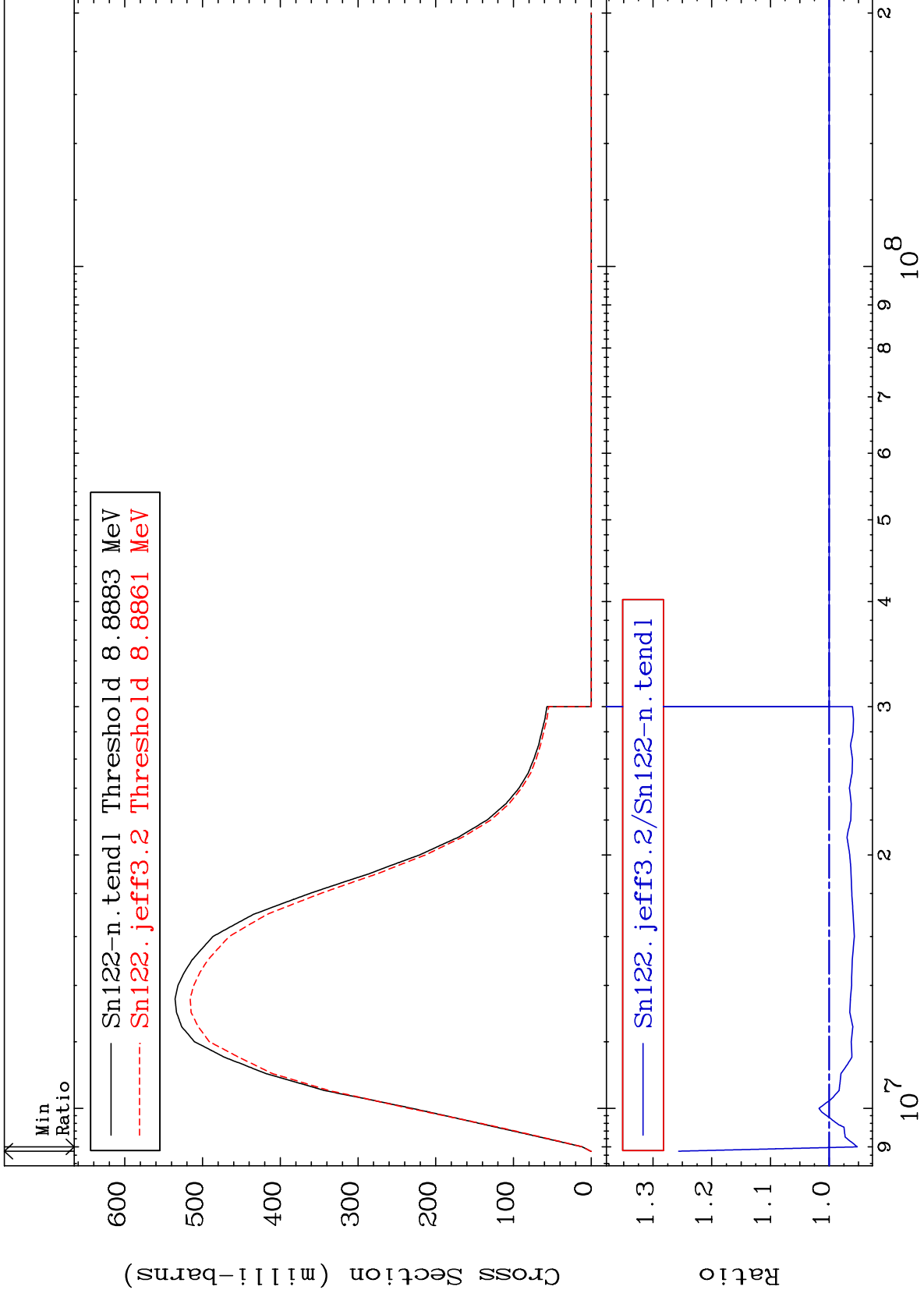
MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section

-4.785 To 25.64 %



75

Incident Energy (eV)

50-Sn-122

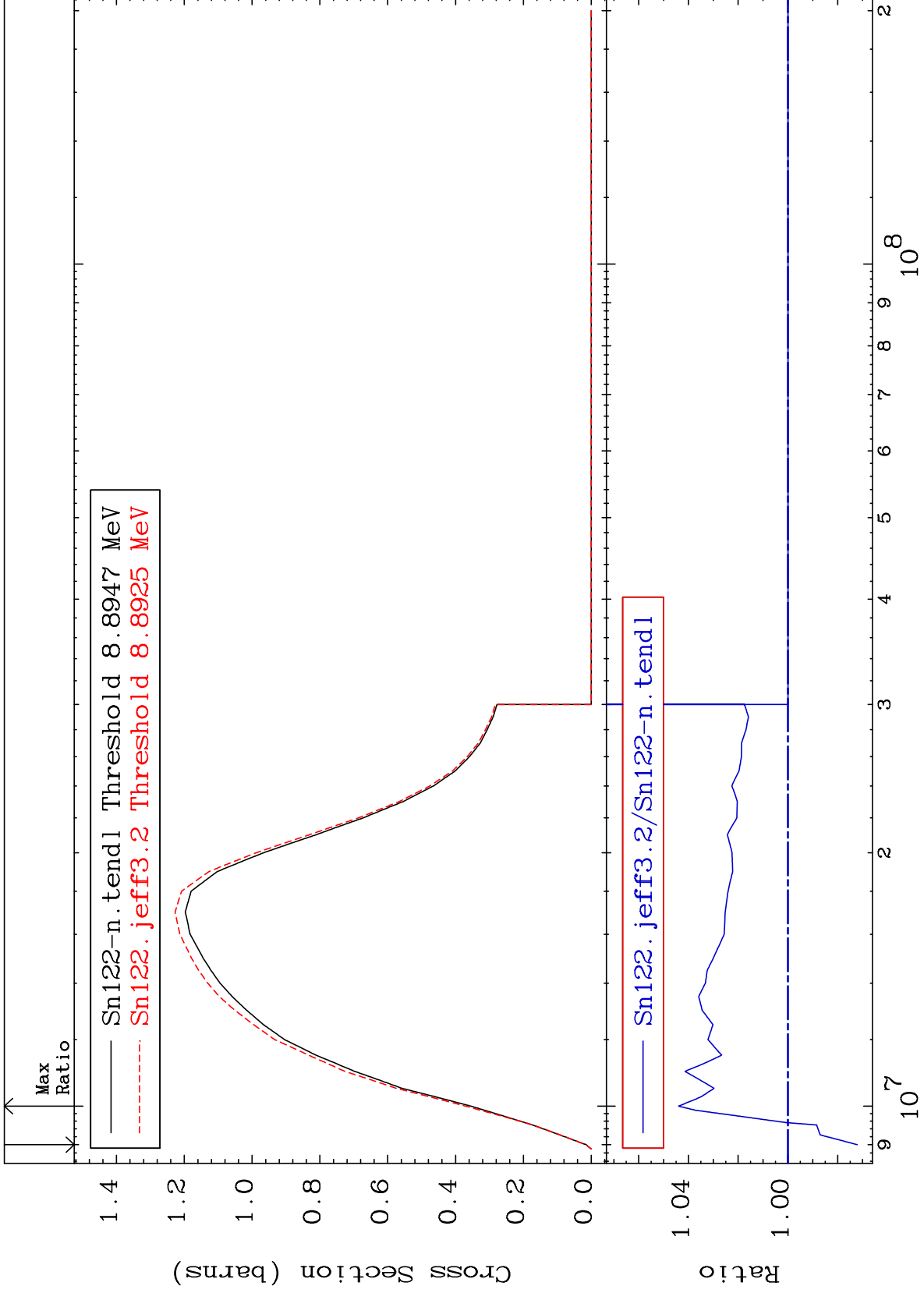
MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section

-2.787 To 4.394 %



76

Incident Energy (eV)

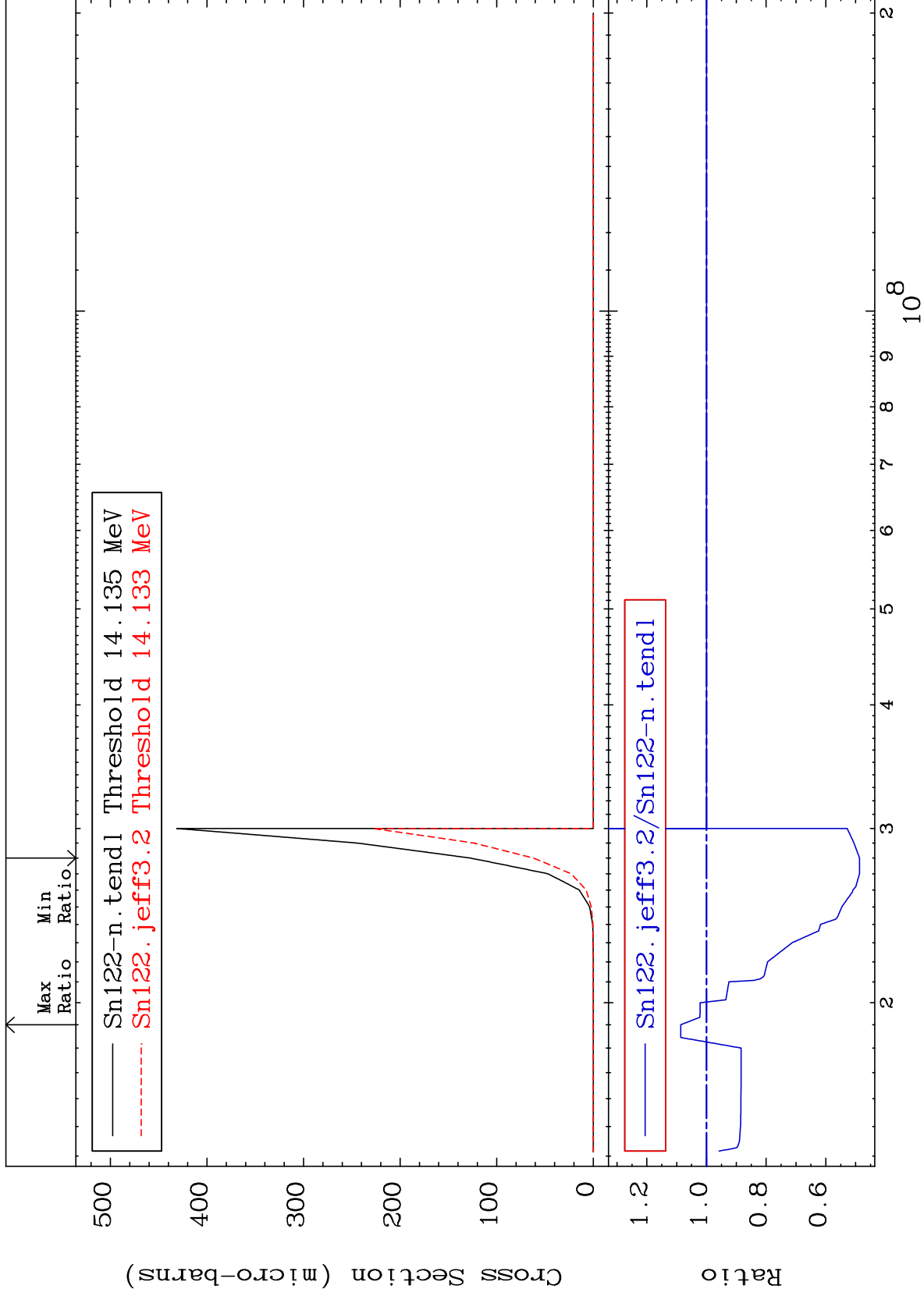
50-Sn-122

MAT 5055

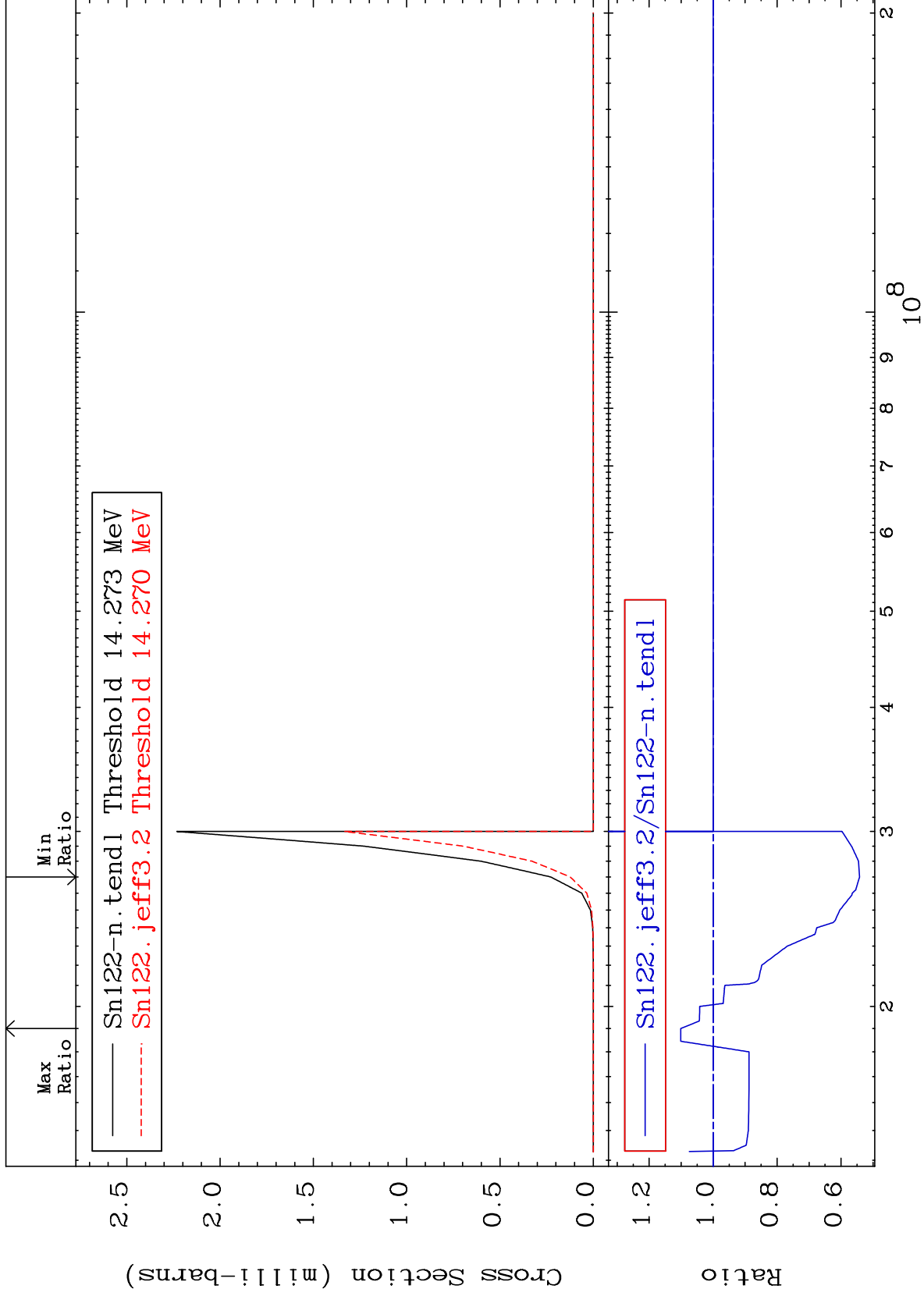
(n,2n)  $\alpha$ : 48-Cd-117g

50-Sn-122

Radionuclide Production Cross Section -51.31 To 8.638 %

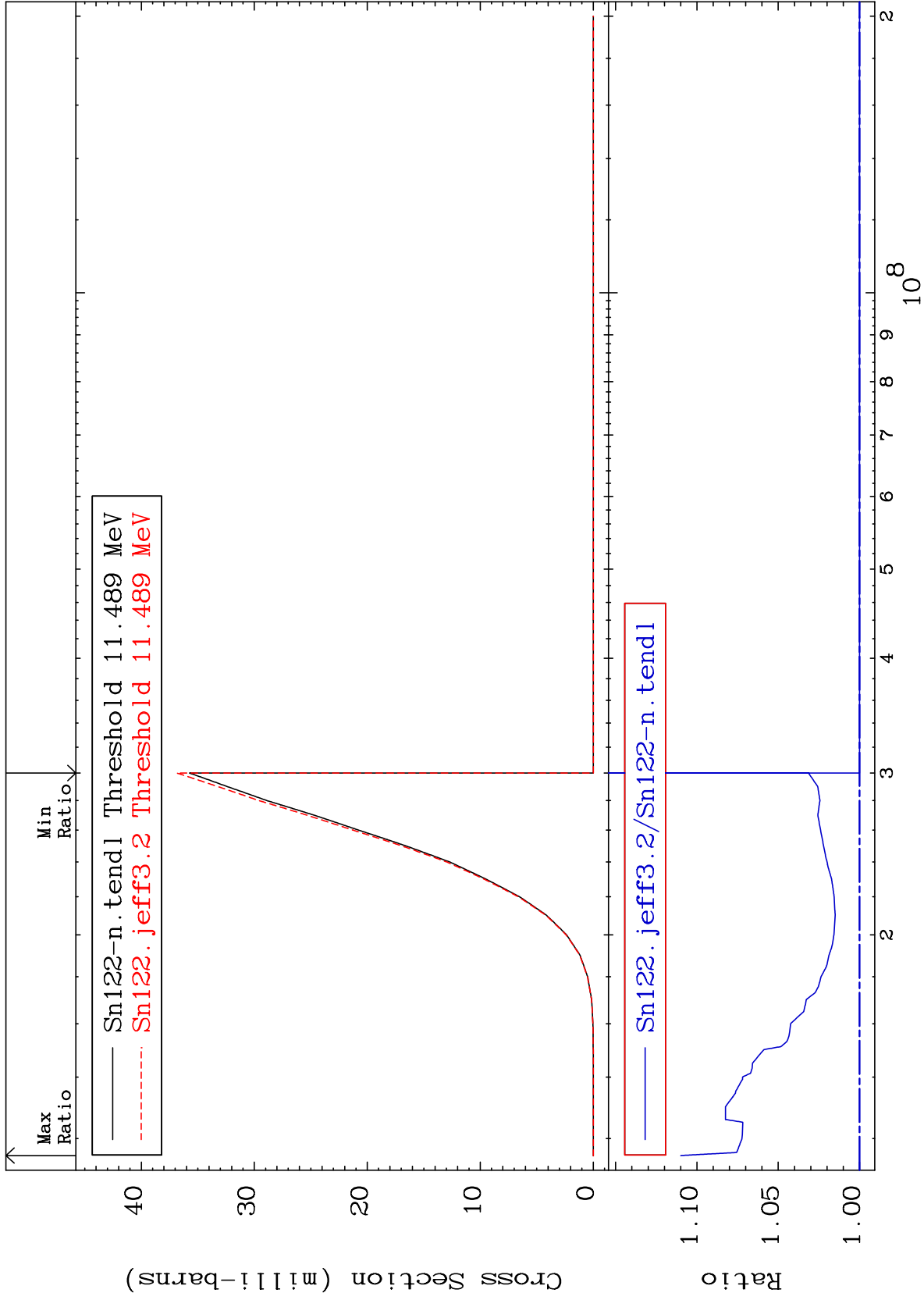


Radionuclide Production Cross Section -45.78 To 10.12 %



MAT 5055

(n, n') p:49-In-121g 50-Sn-122  
Radionuclide Production Cross Section 0.000 To 10.99 %

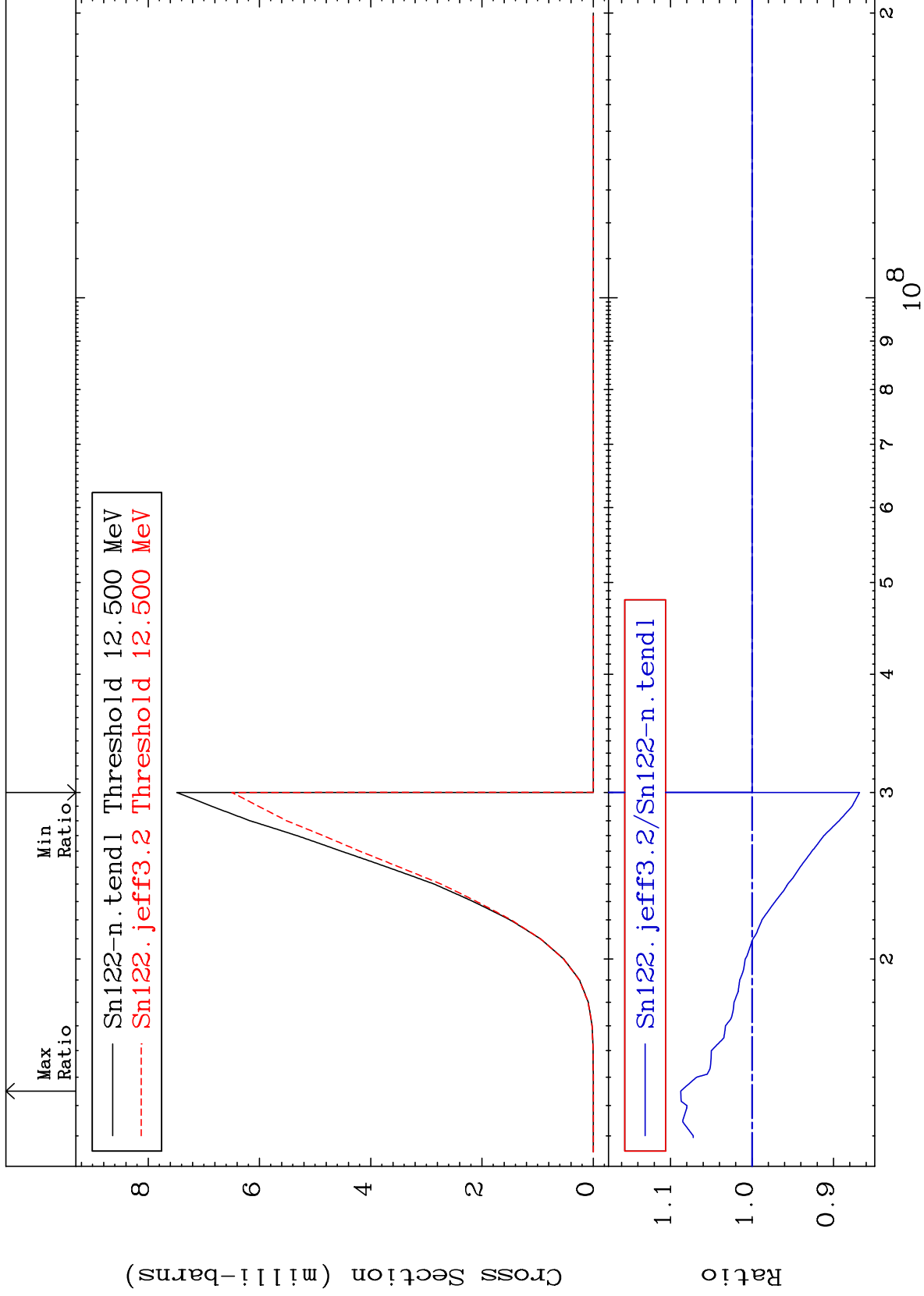


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -13.20 To 8.744 %



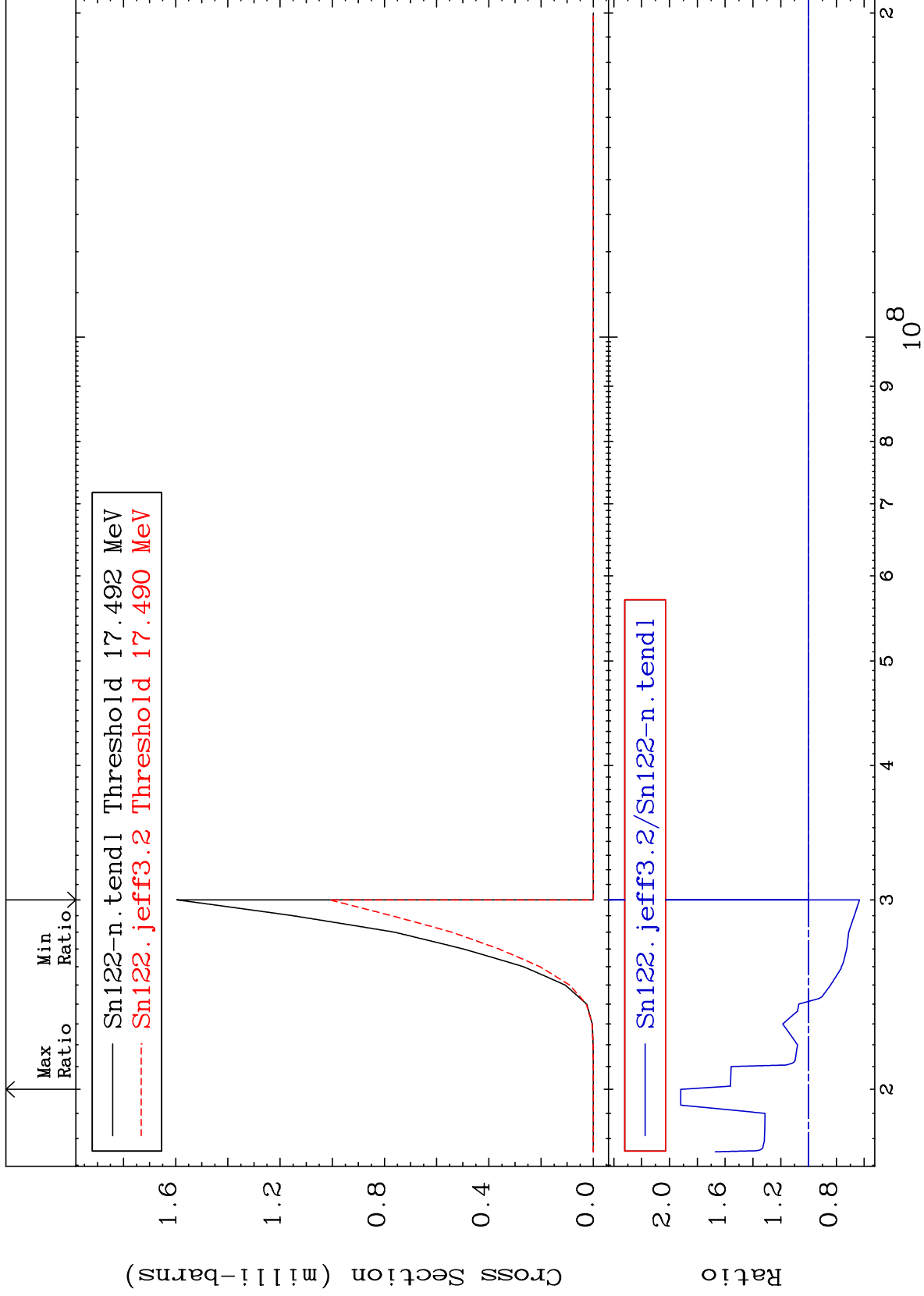
80

Incident Energy (eV)

50-Sn-122



Radionuclide Production Cross Section -36.64 To 91.89 %

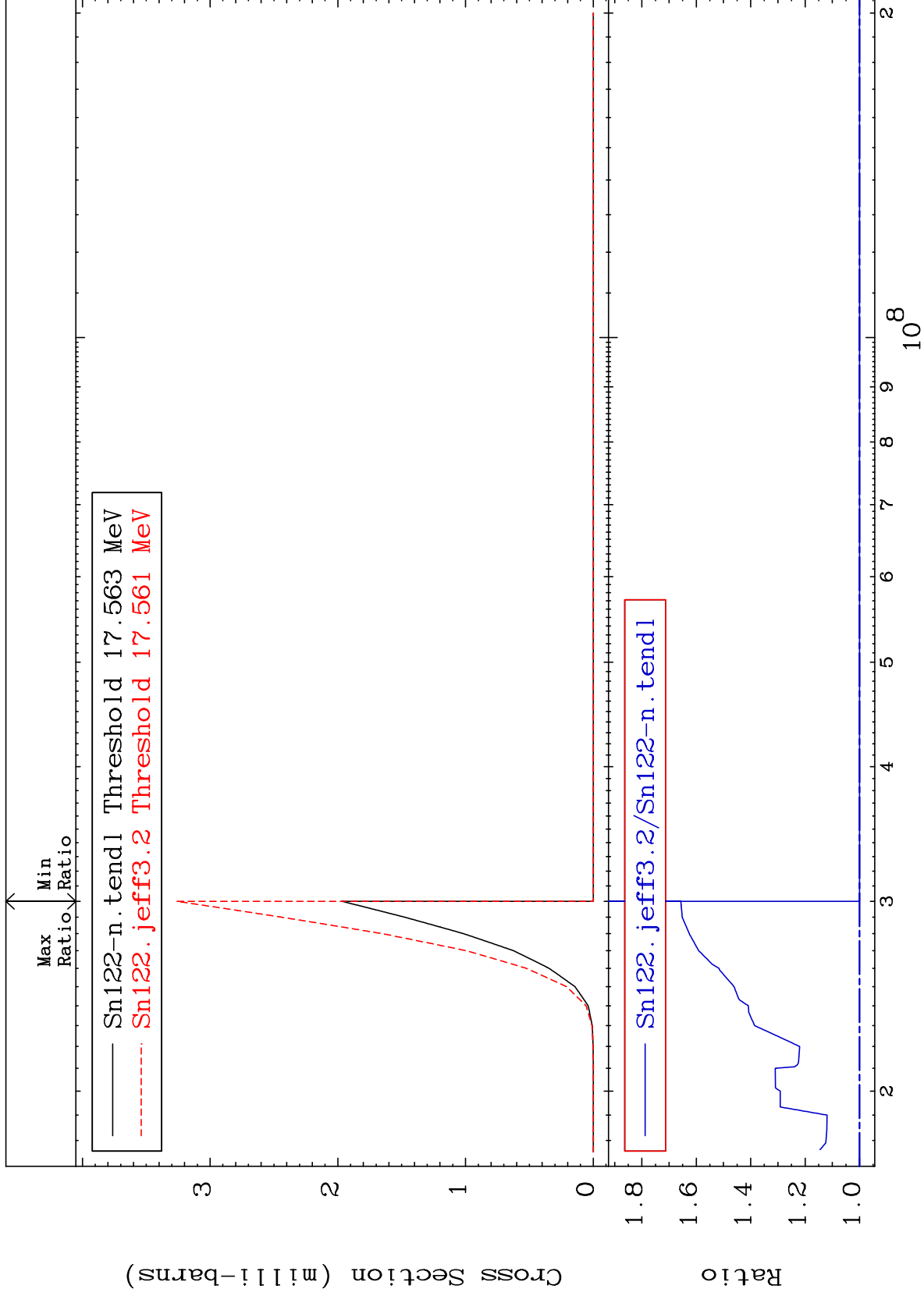


MAT 5055

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

50-Sn-122

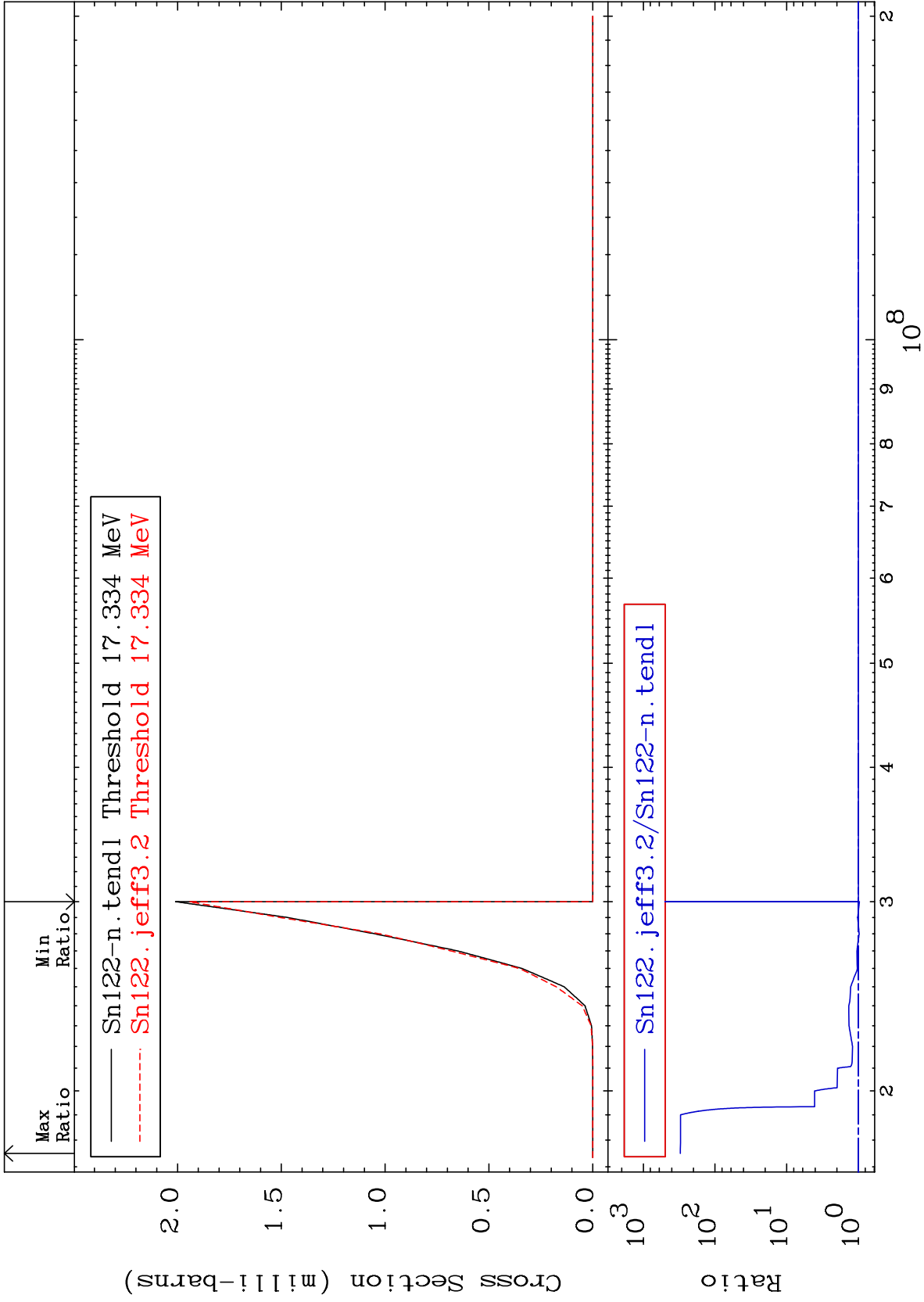
Radionuclide Production Cross Section 0.000 To 65.70 %



82

Incident Energy (eV)

50-Sn-122



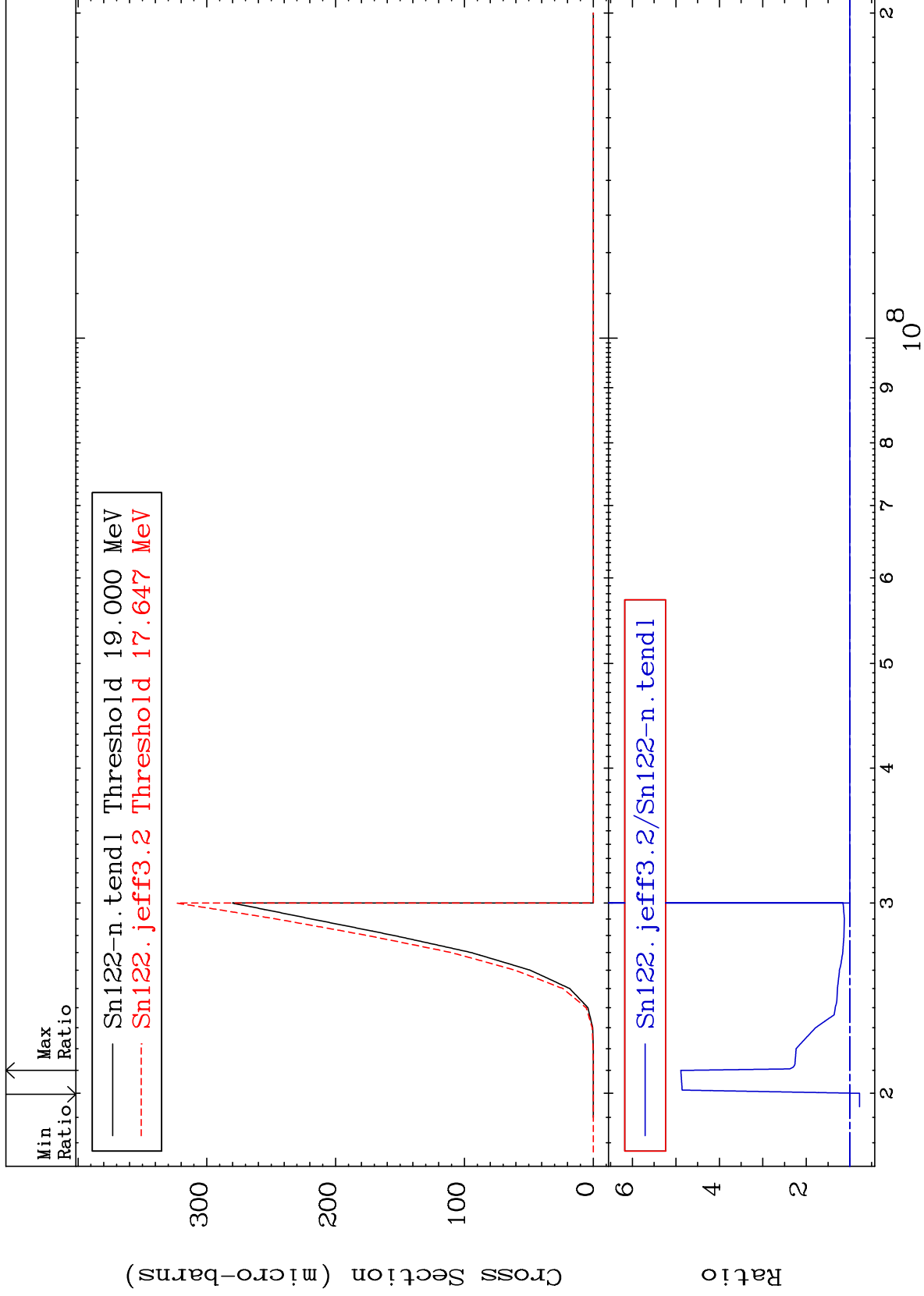
MAT 5055

(n,n') t:49-In-119m1

50-Sn-122

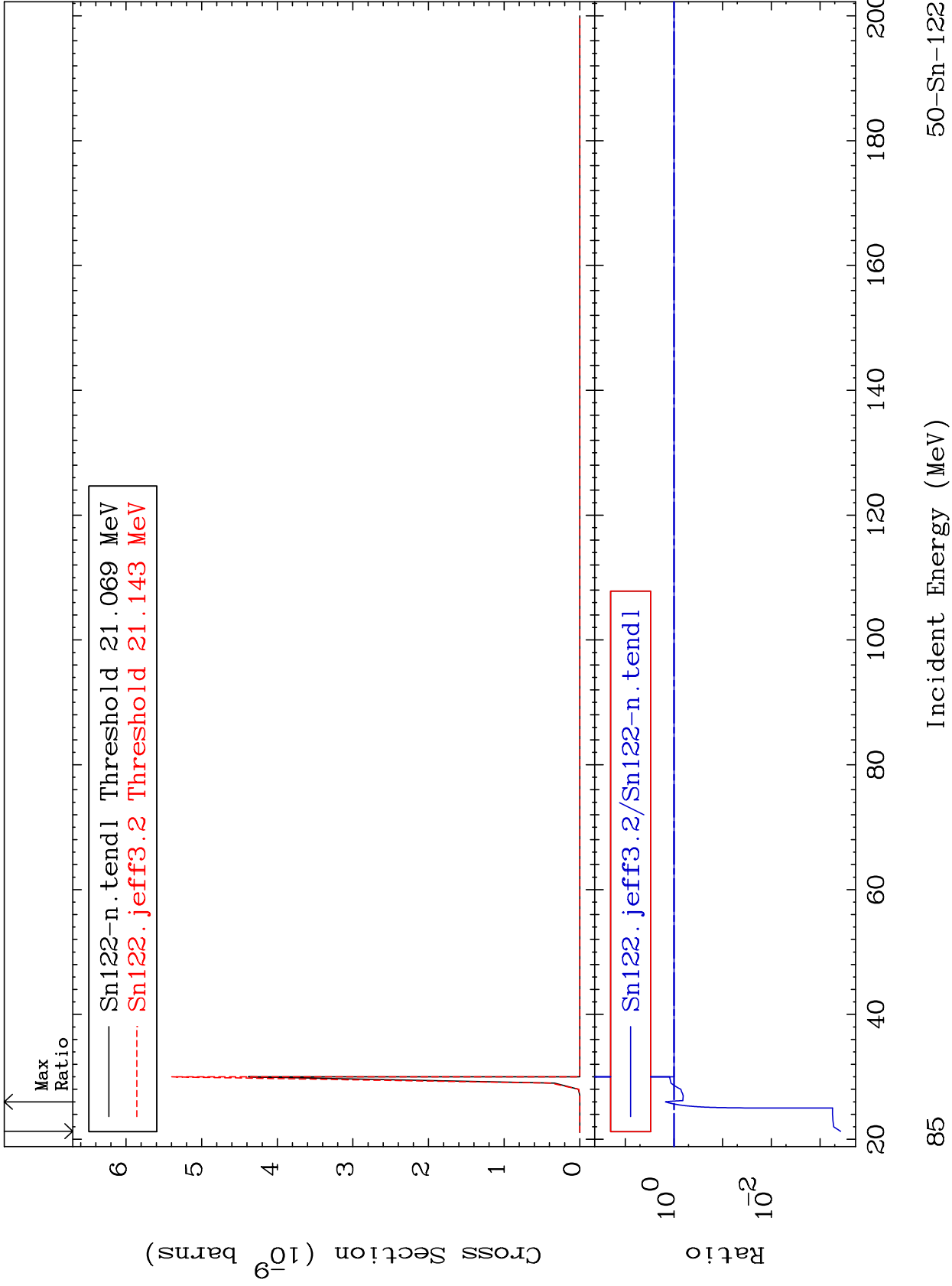
Radionuclide Production Cross Section

-22.37 To 388.7 %



MAT 5055

(n, n') He-3:48-Cd-119g 50-Sn-122  
Radionuclide Production Cross Section -99.96 To 48.98 %



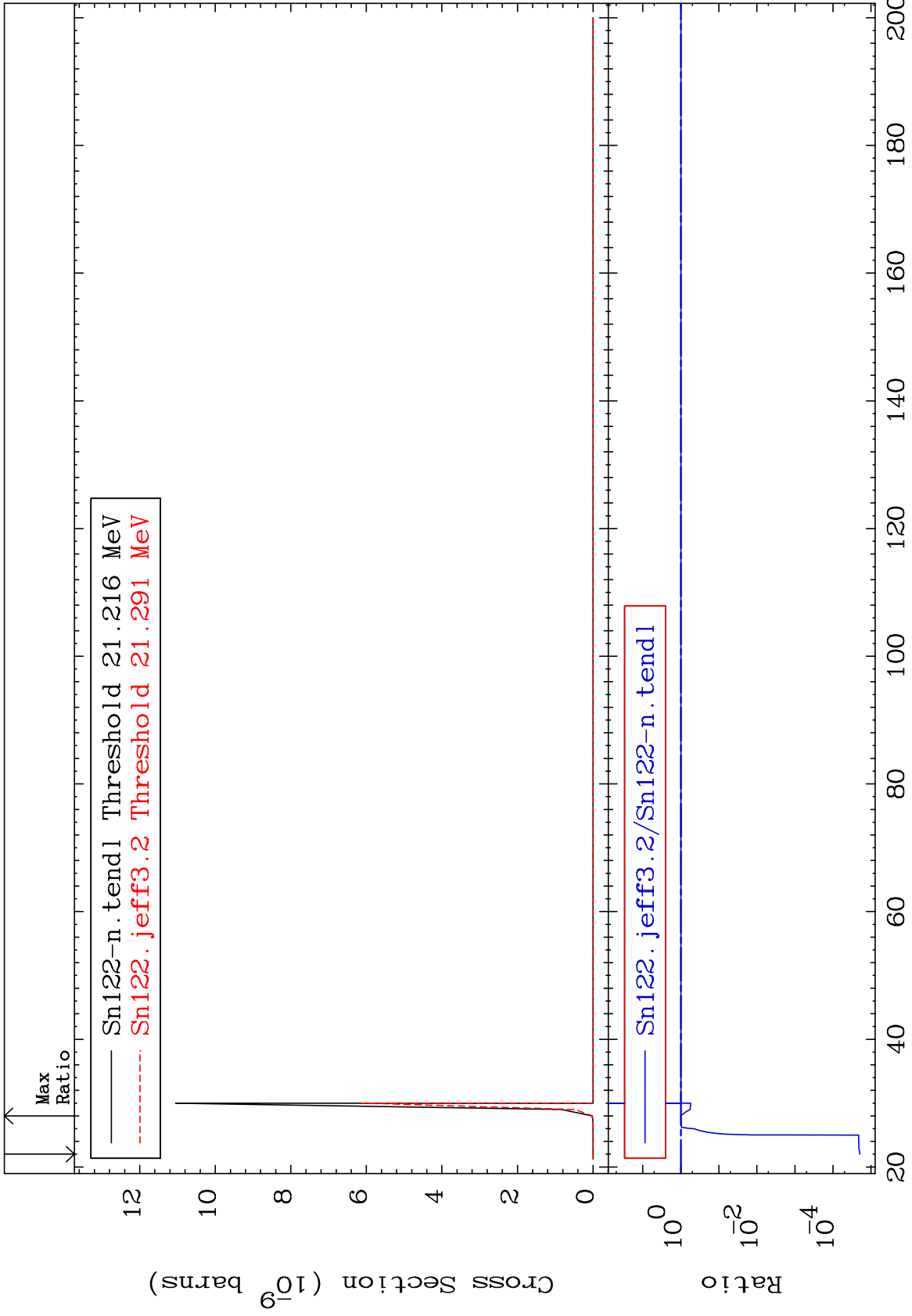
MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section

-100.0 To 0.650 %

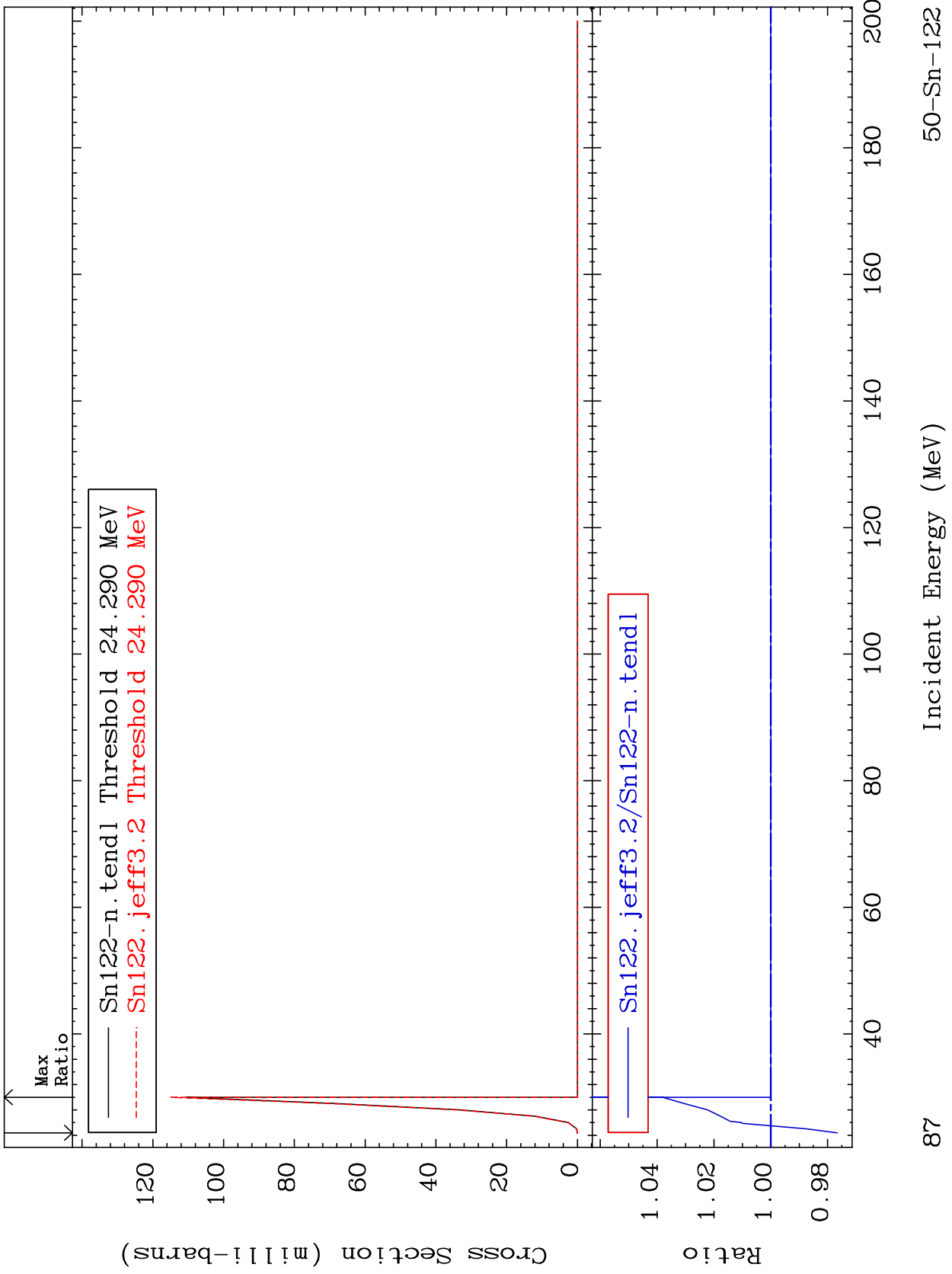


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -2.340 To 3.798 %

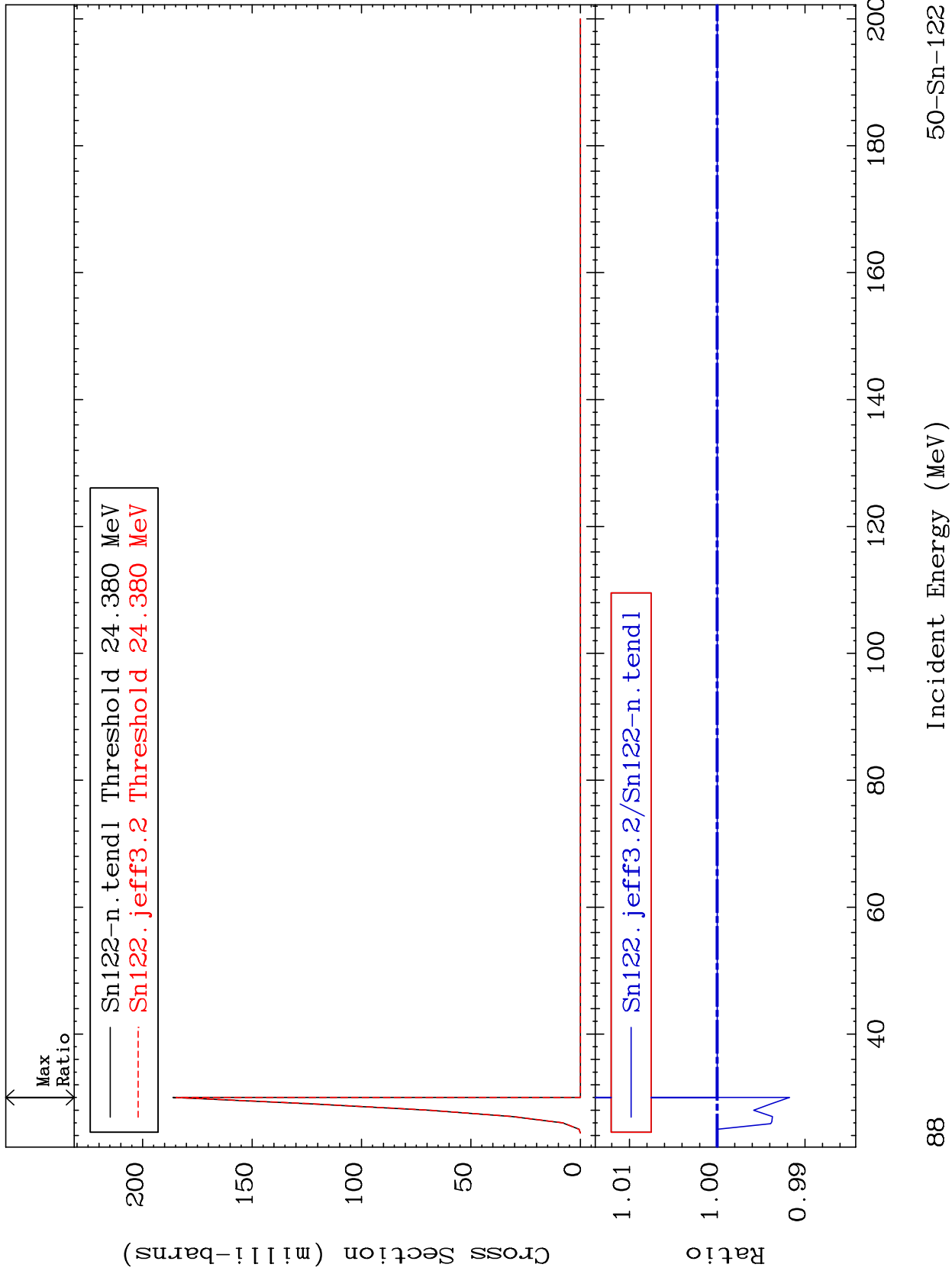


MAT 5055

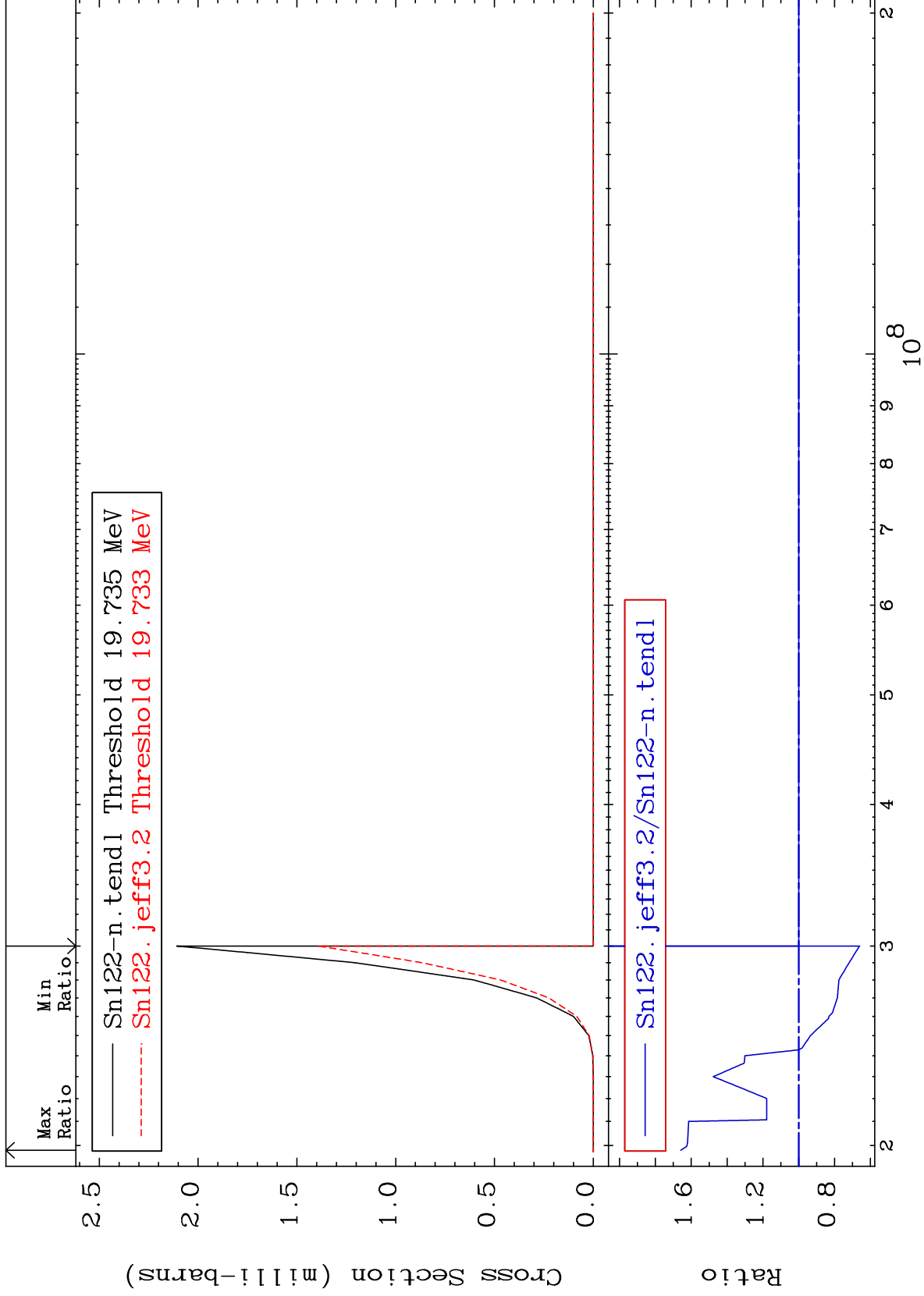
(n, 4n):50-Sn-119m2

50-Sn-122

Radionuclide Production Cross Section -0.825 To 0.000 %





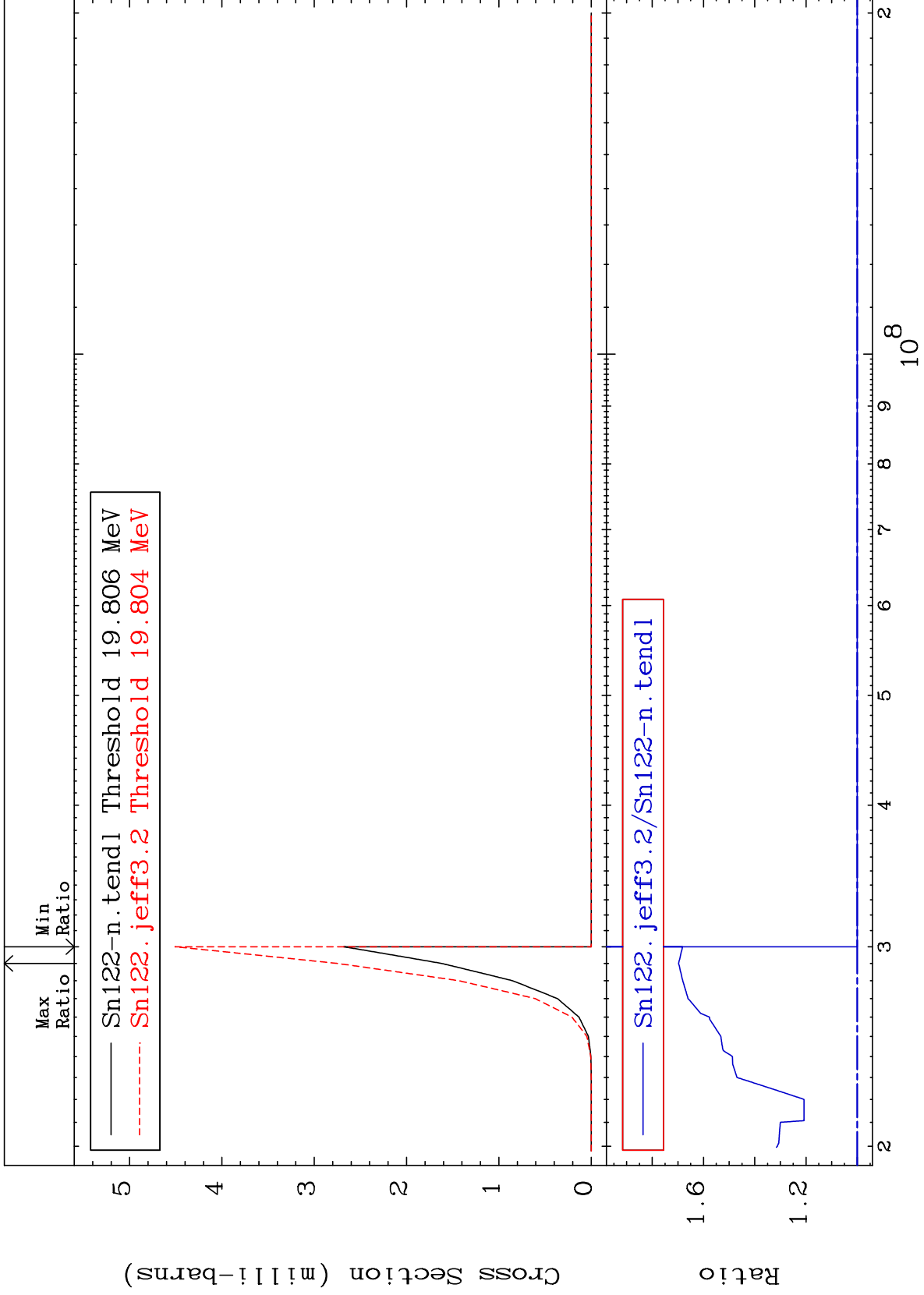


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section 0.000 To 69.71 %



90

50-Sn-122

MAT 5055

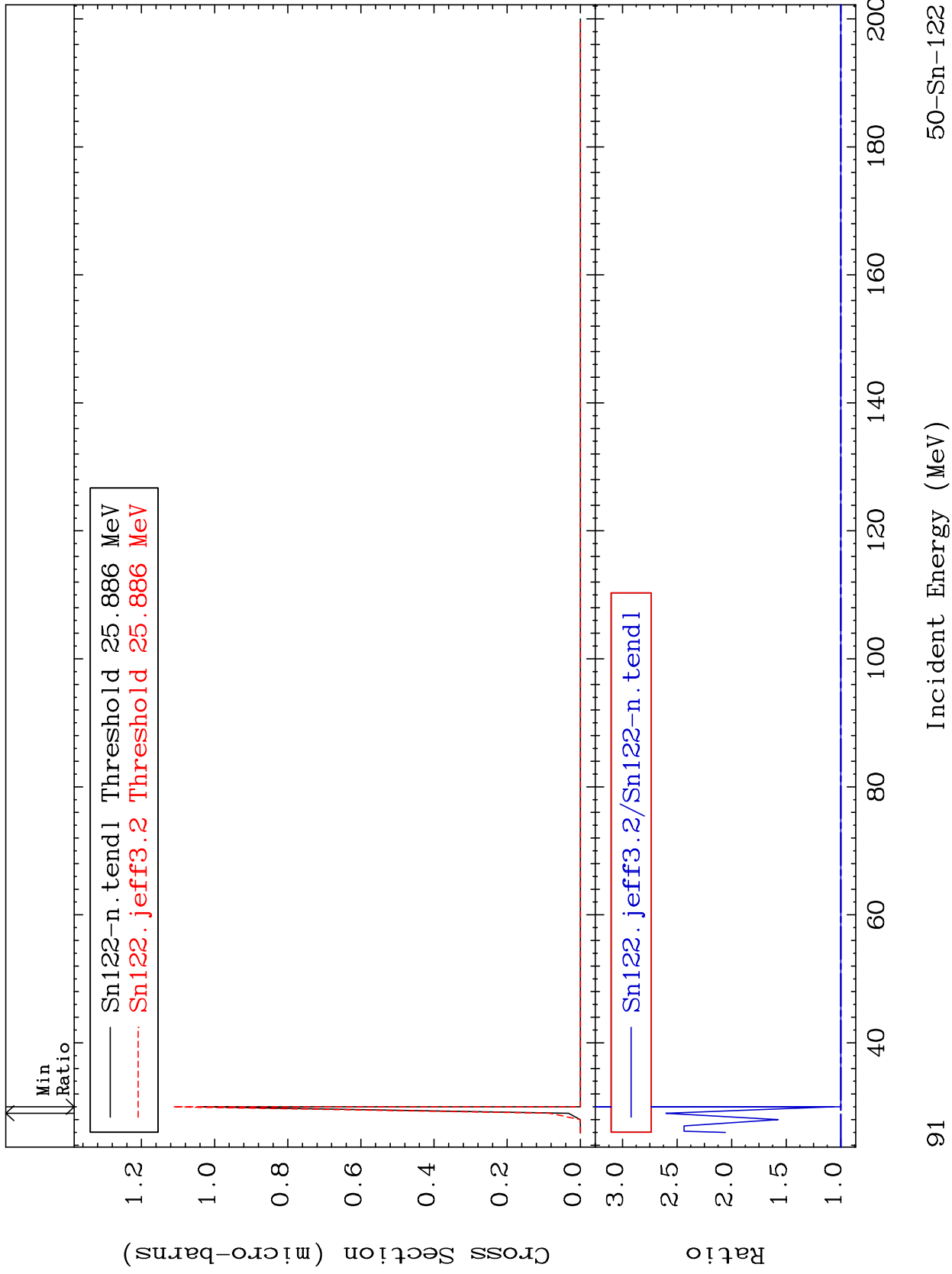
(n,3n) p:49-In-119g

50-Sn-122

Radionuclide Production Cross Section

0.000

To 160.2 %



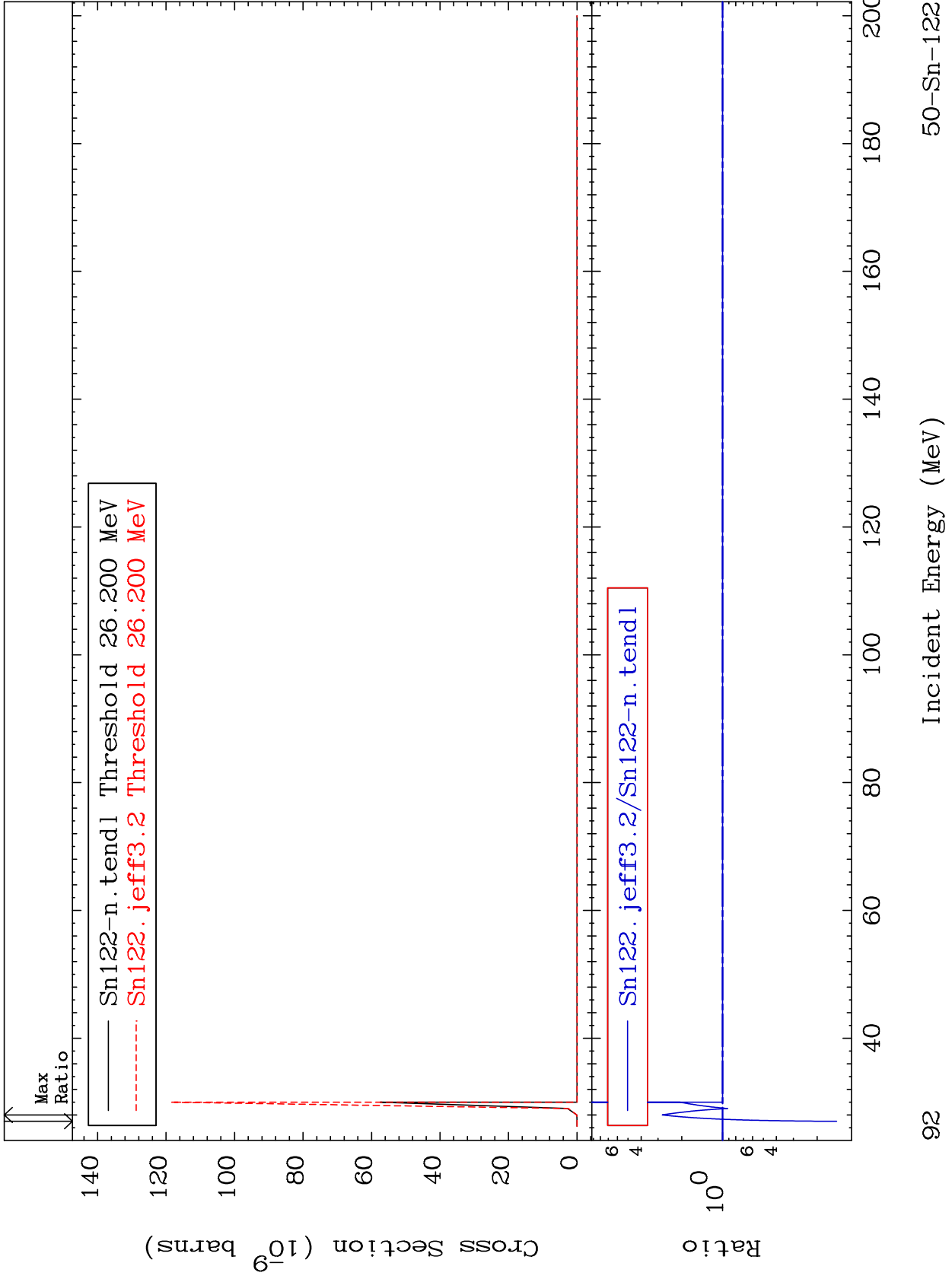
MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section

-85.65 To 178.9 %

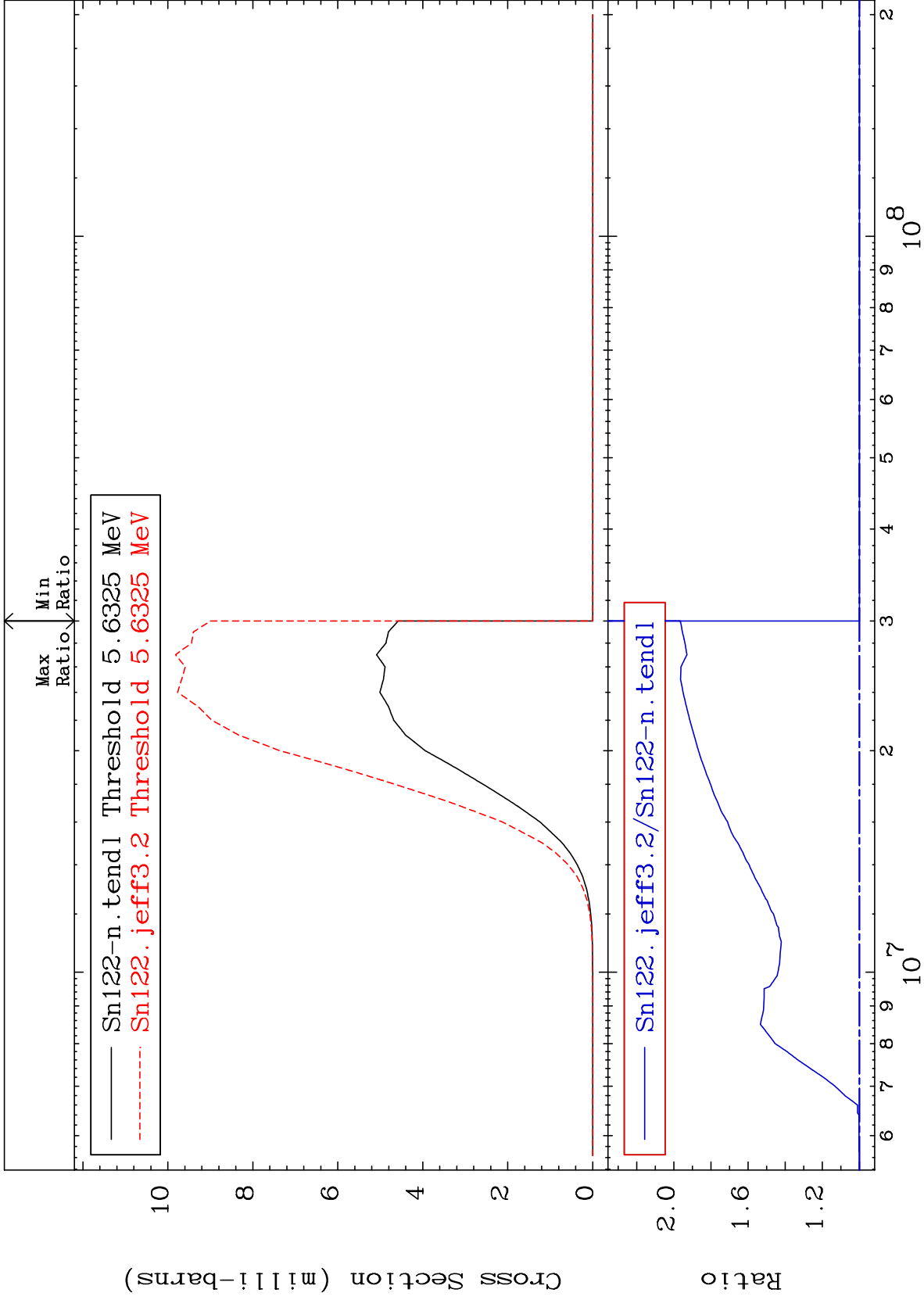


MAT 5055

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

50-Sn-122  
To 96.52 %

Radionuclide Production Cross Section 0.000

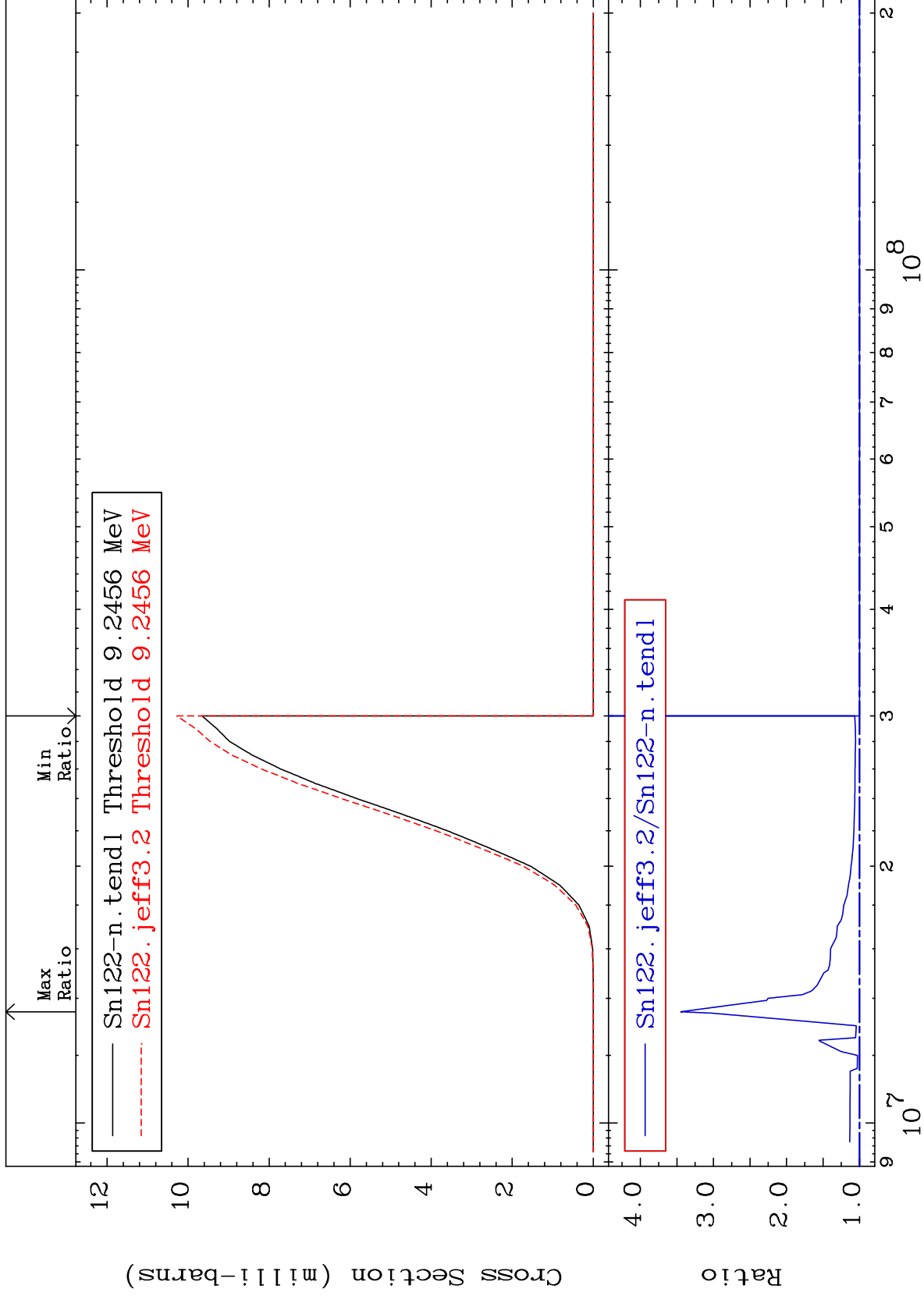


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section 0.000 To 244.7 %

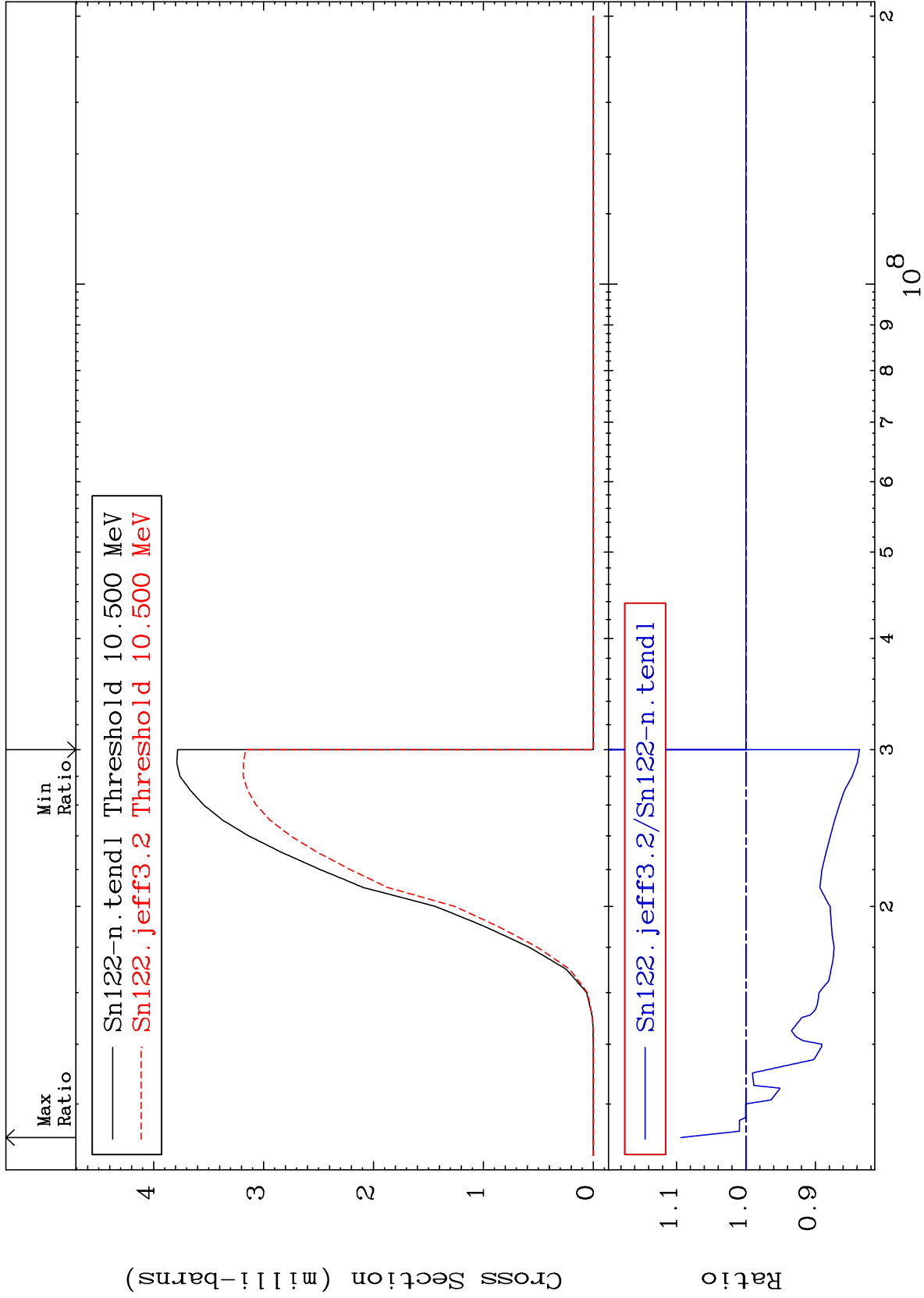


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -16.36 To 9.380 %



95

Incident Energy (eV)

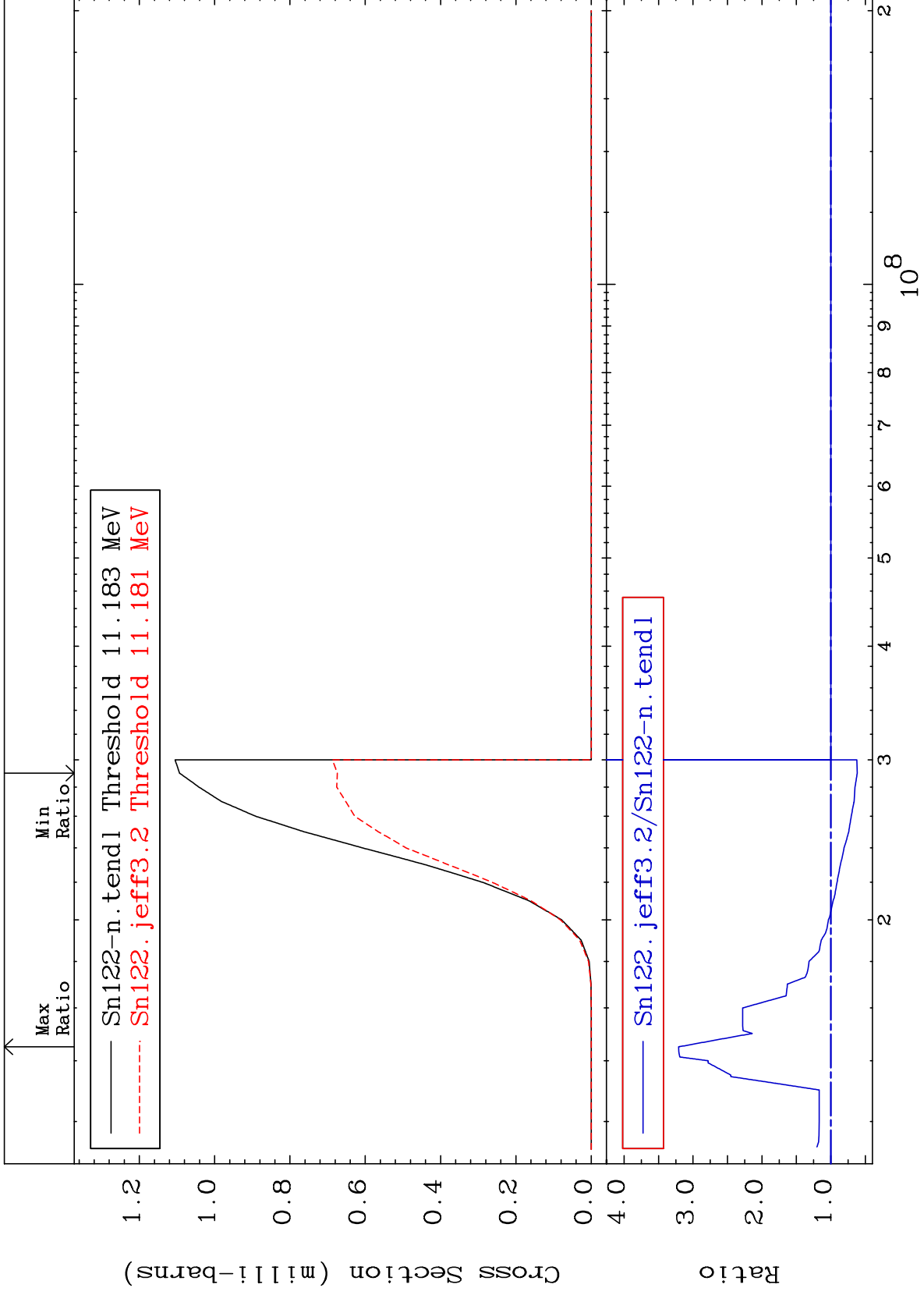
50-Sn-122

MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -38.31 To 220.9 %



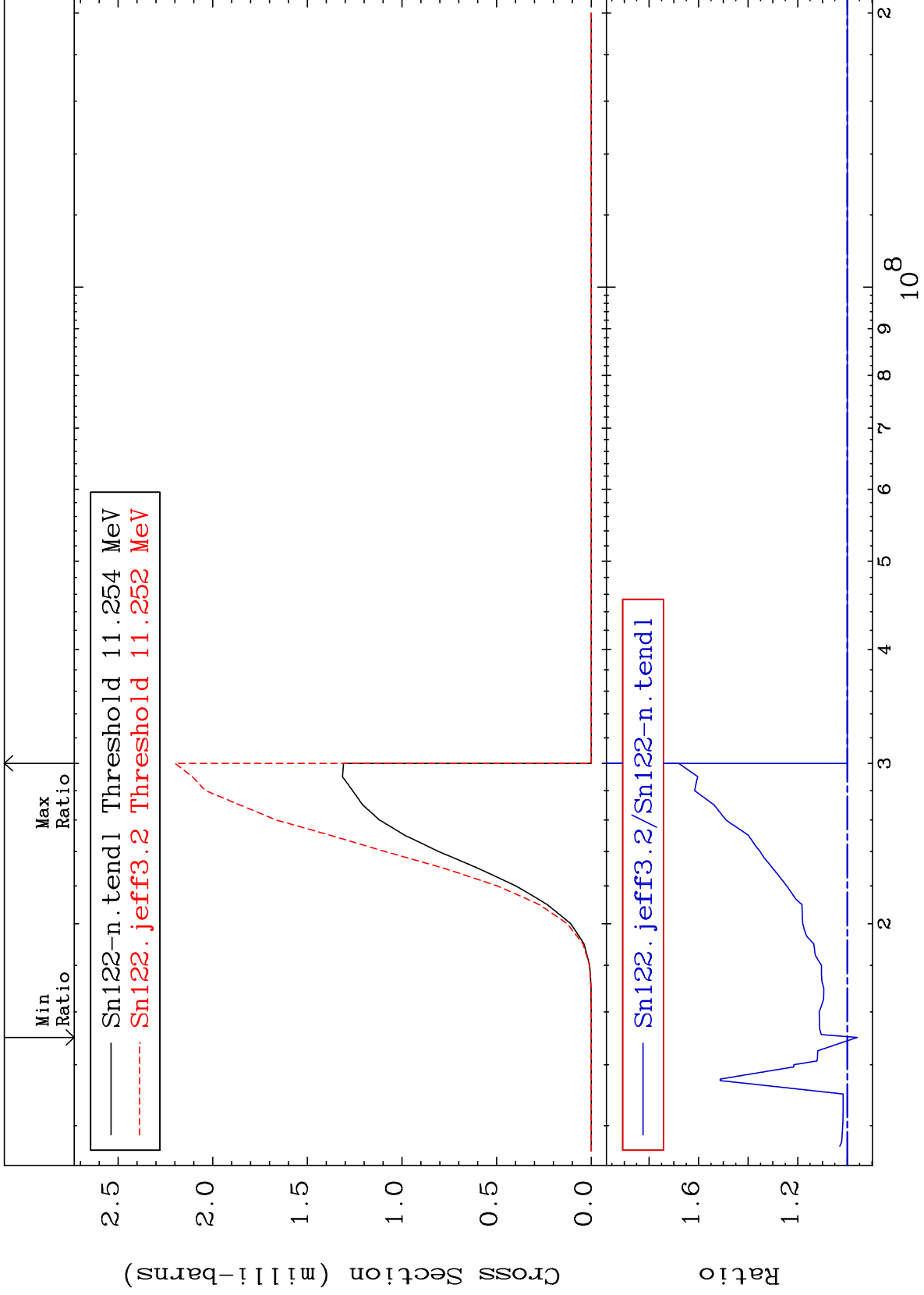


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -4.047 To 68.06 %

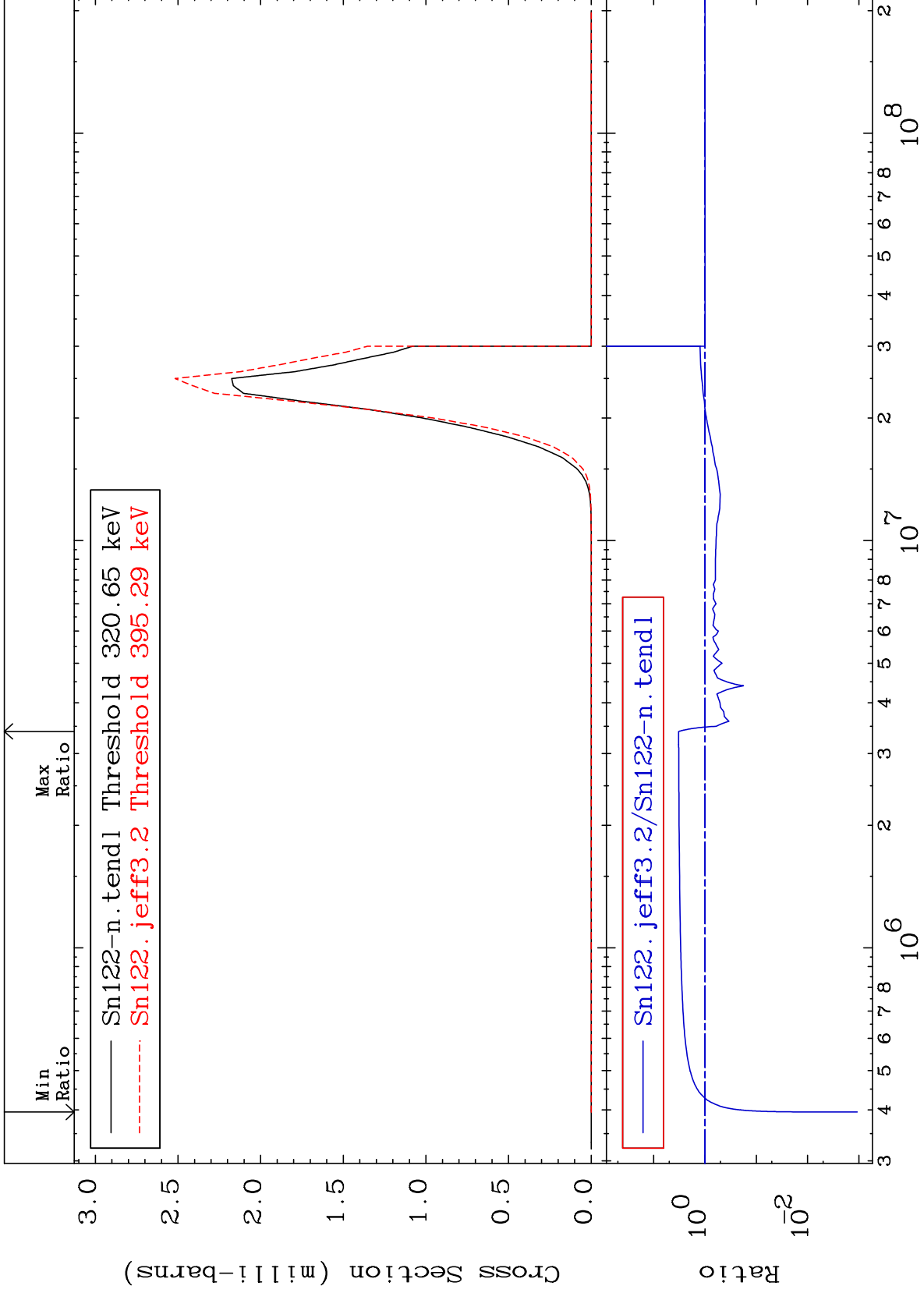


MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -99.89 To 226.4 %

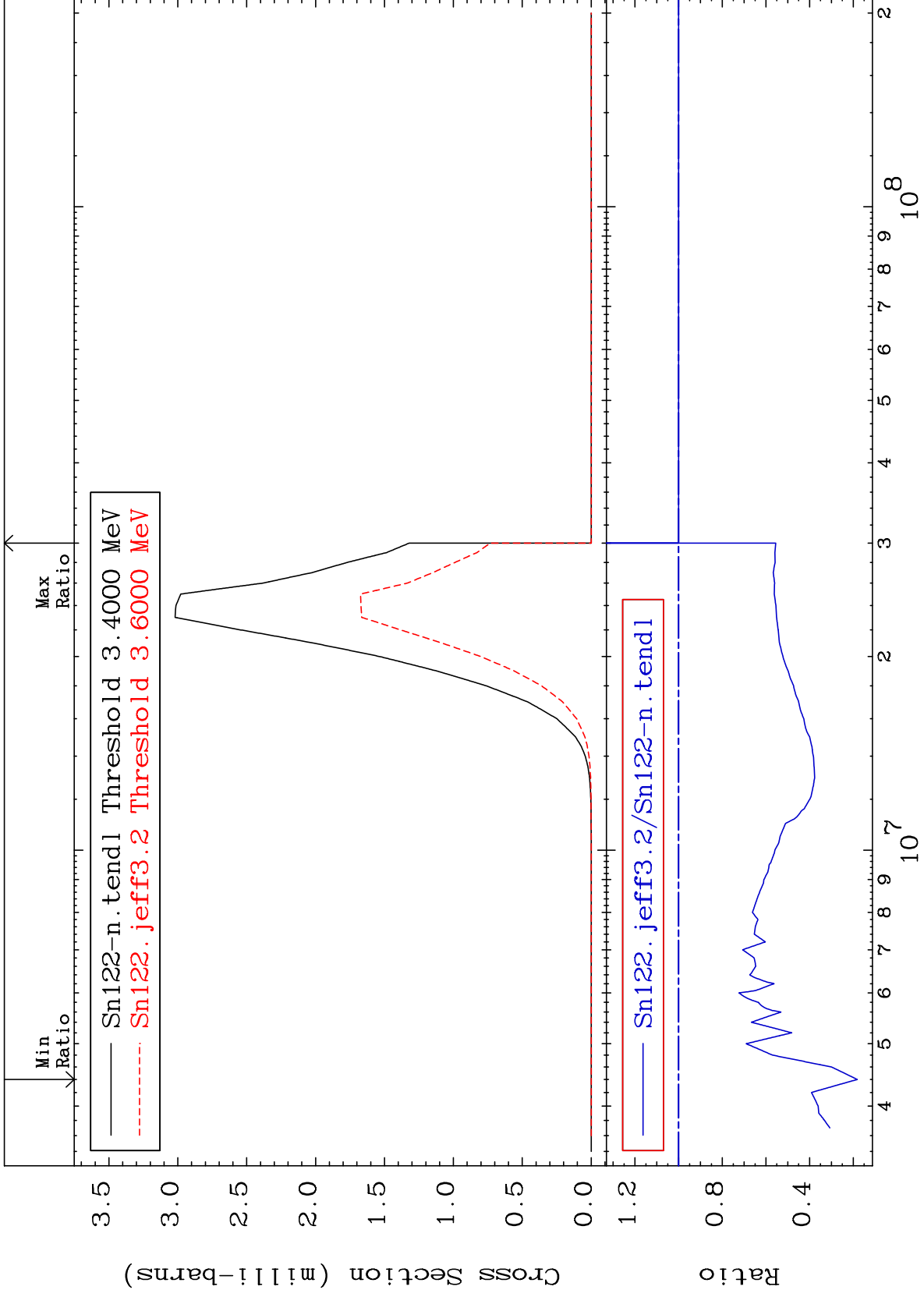


MAT 5055

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

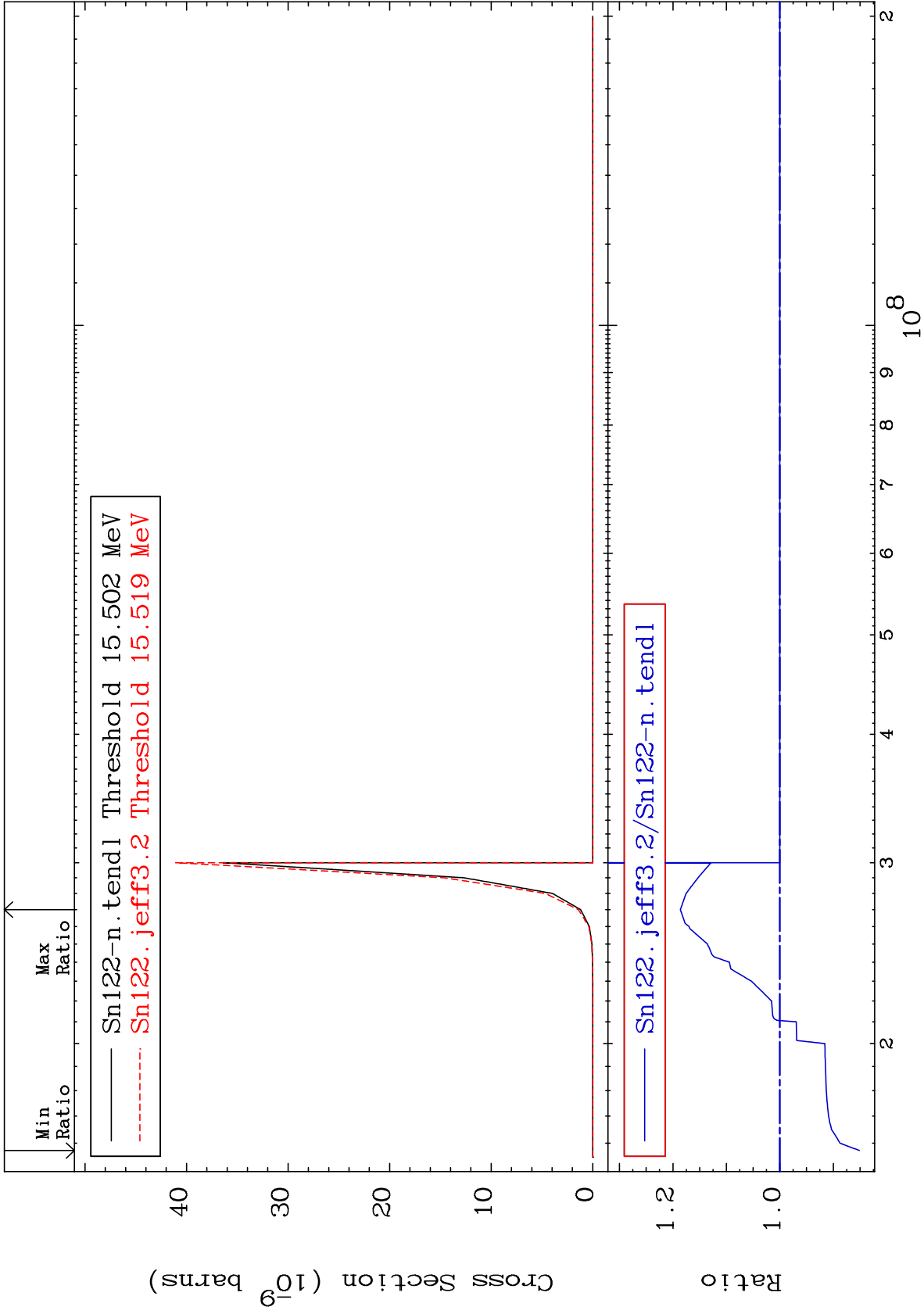
50-Sn-122

Radionuclide Production Cross Section -81.84 To 0.000 %



MAT 5055

(n,2p):48-Cd-121g 50-Sn-122  
Radionuclide Production Cross Section -14.89 To 18.61 %



100

Incident Energy (eV)

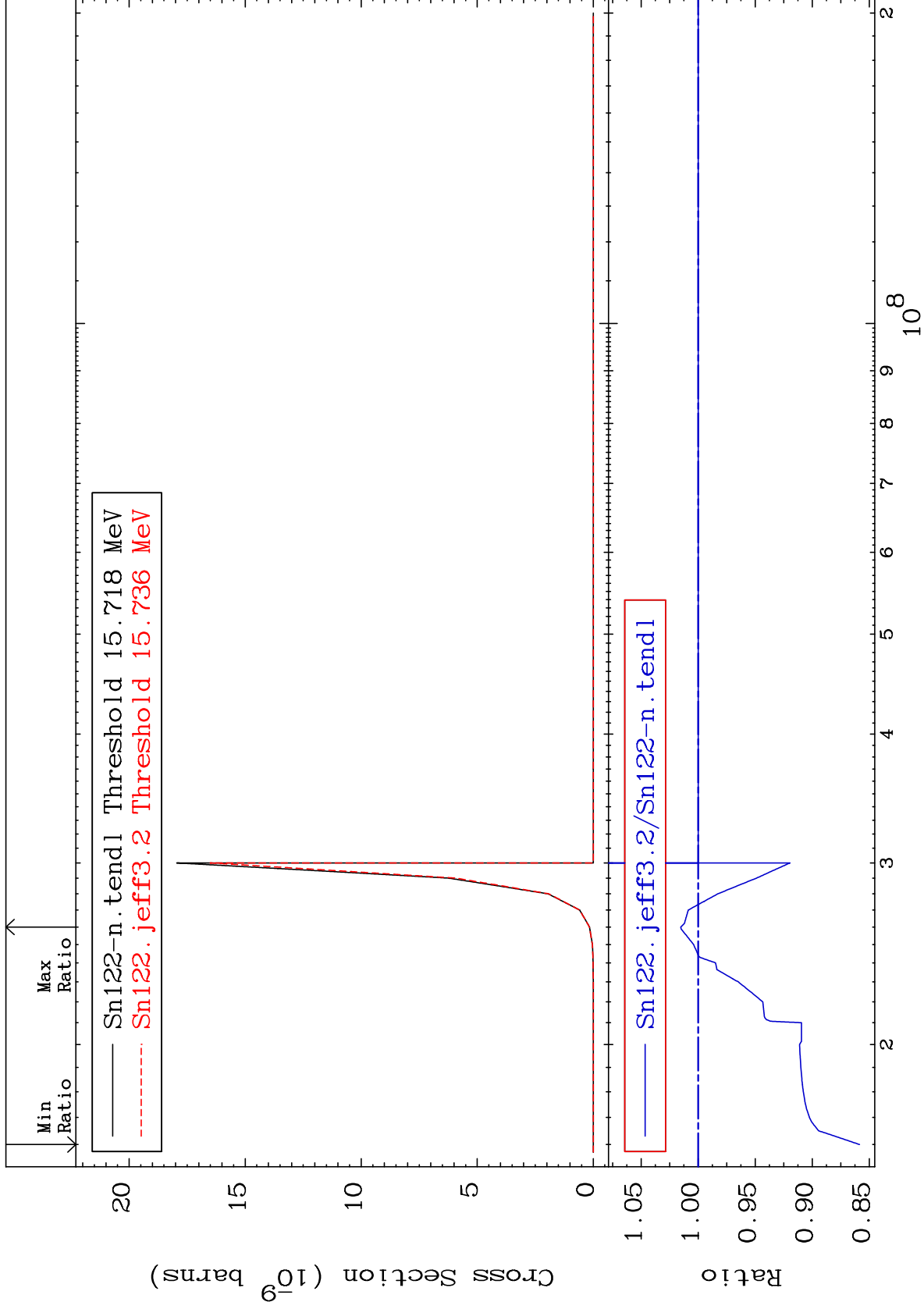
50-Sn-122

MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -14.15 To 1.526 %



101

Incident Energy (eV)

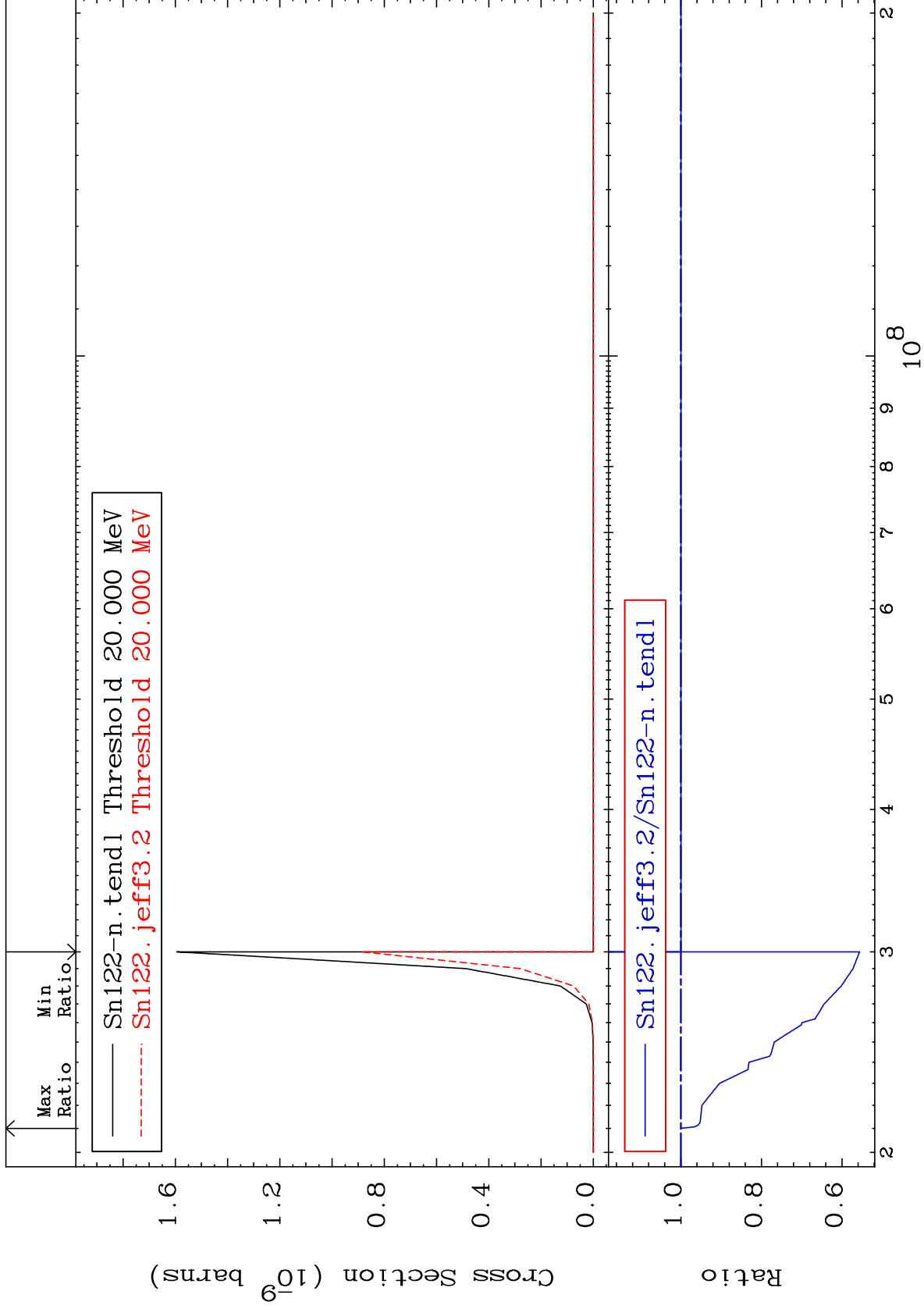
50-Sn-122

MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -44.36 To 0.024 %



102

Incident Energy (eV)

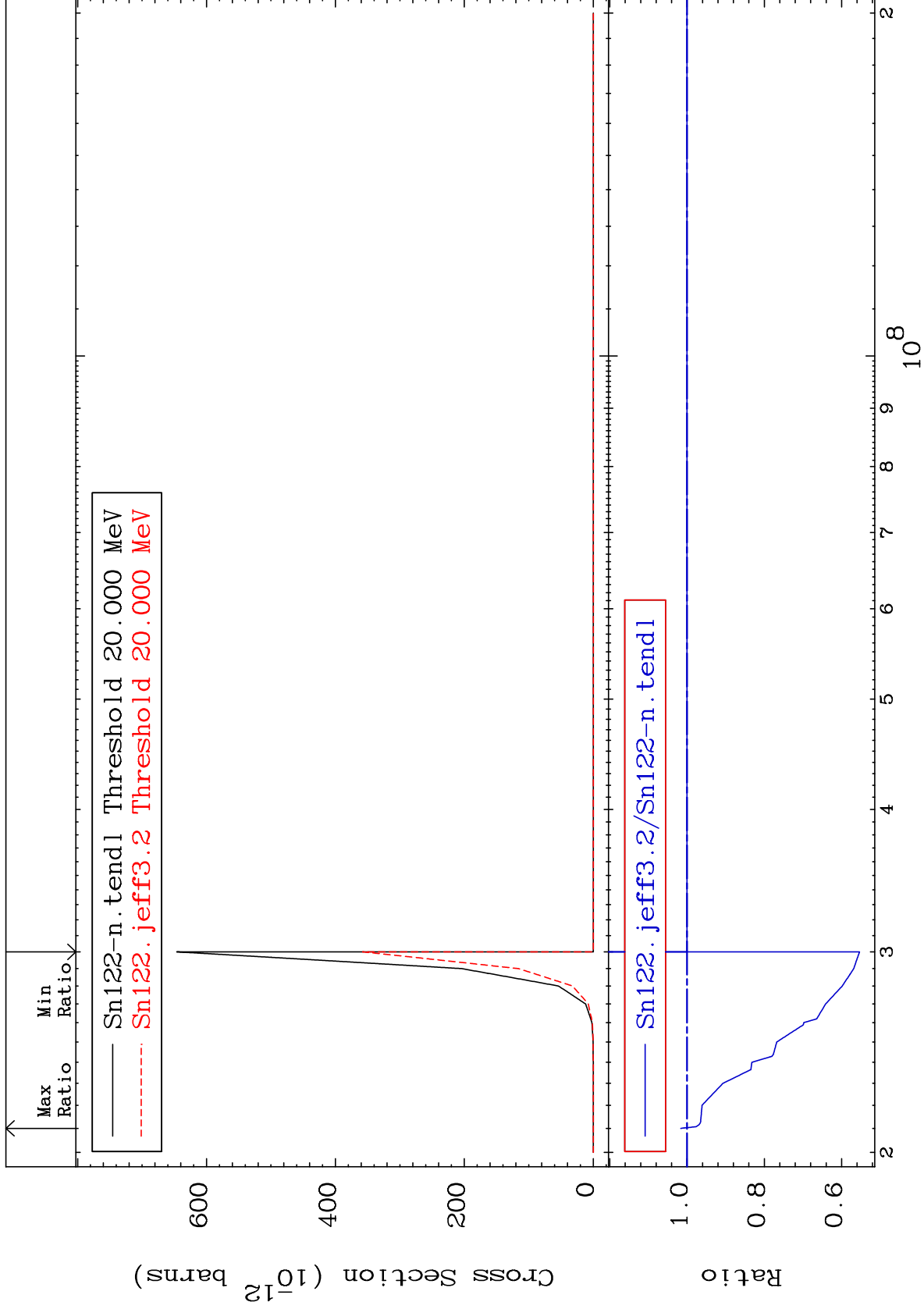
50-Sn-122

MAT 5055

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

50-Sn-122

Radionuclide Production Cross Section -44.64 To 1.624 %



103

50-Sn-122