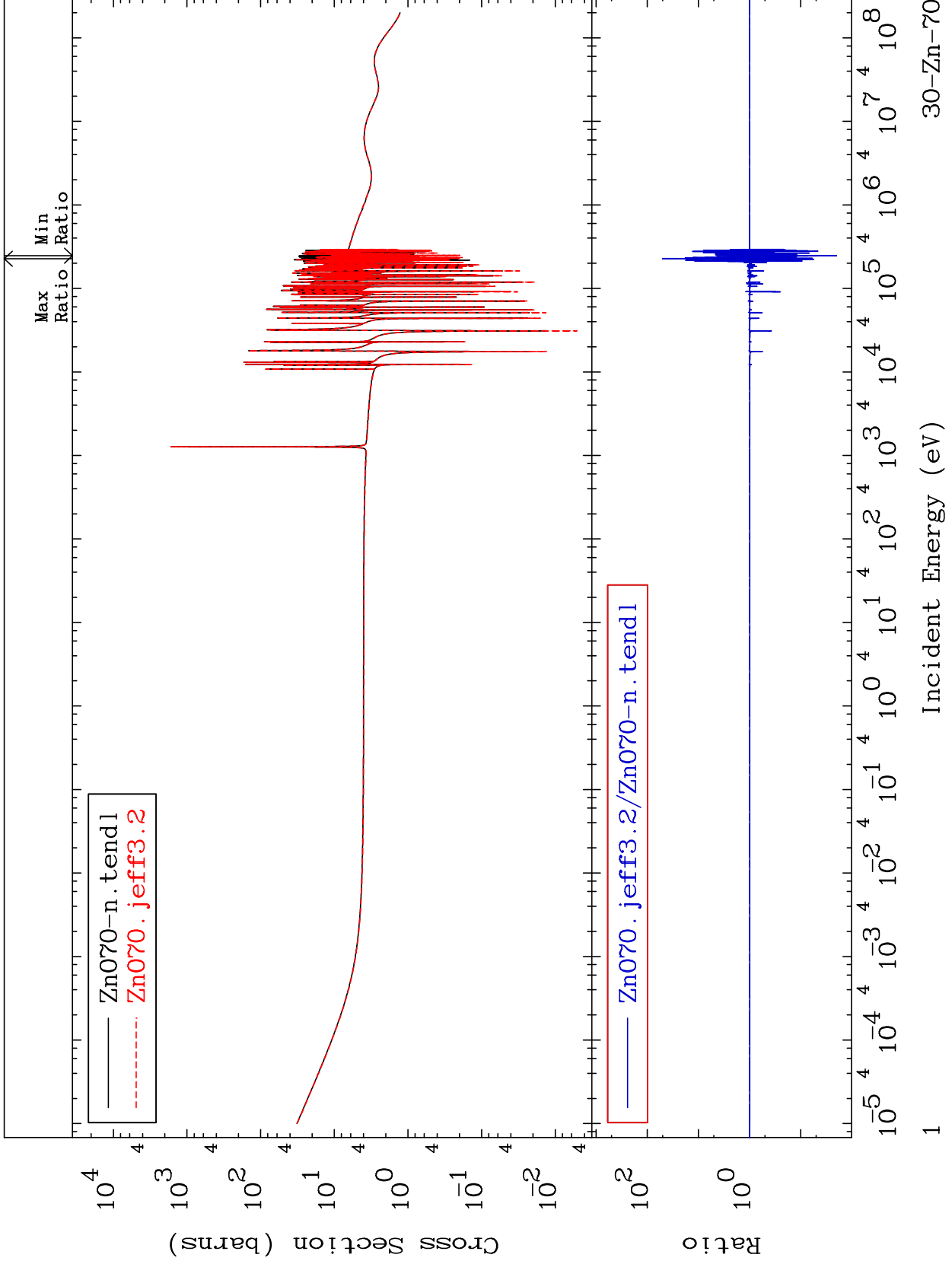


MAT 3043

Total  
Cross Section

30-Zn-70  
-98.01 To 4976. %



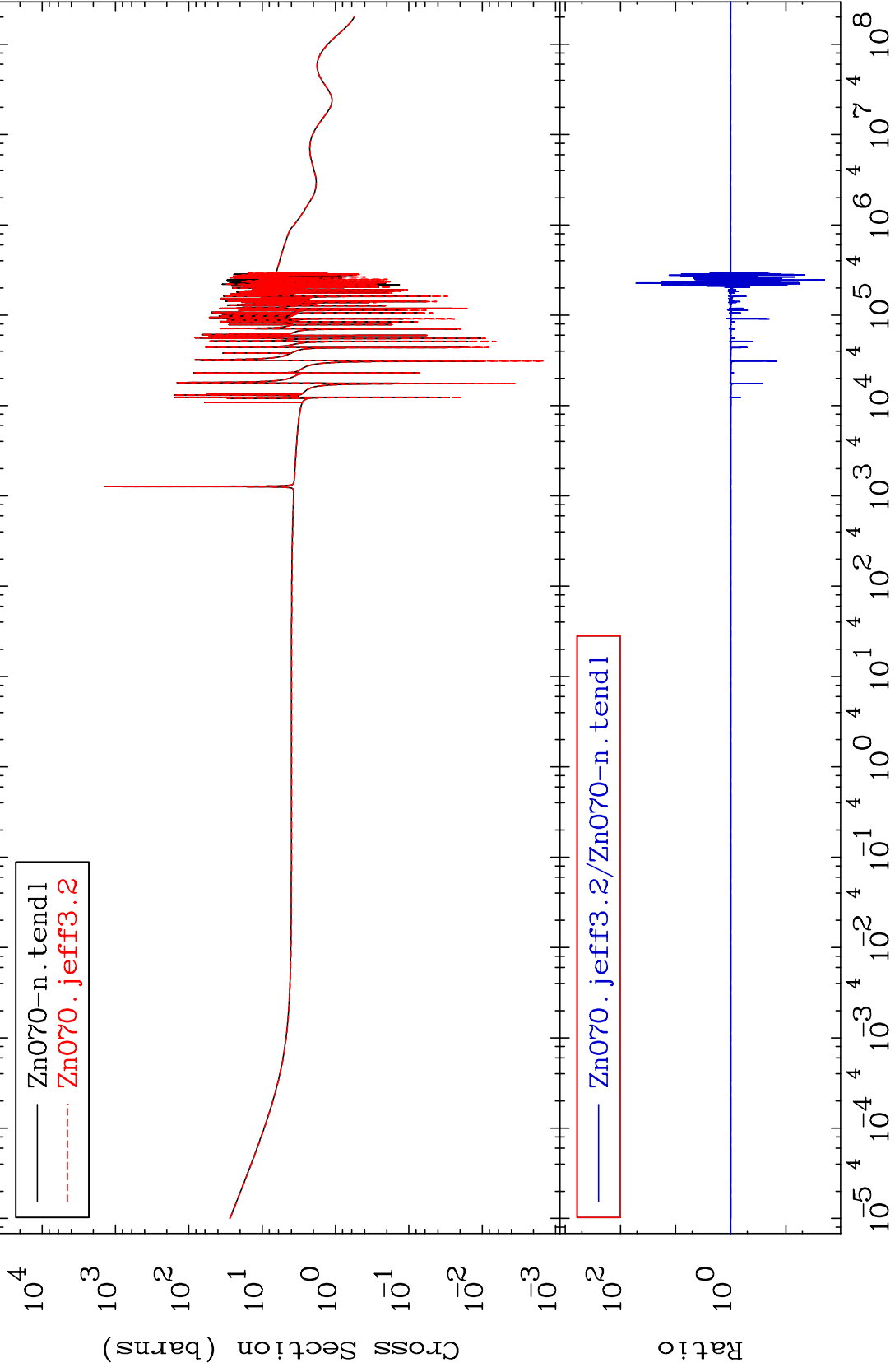
30-Zn-70

Incident Energy (eV)

MAT 3043

Elastic  
Cross Section

30-Zn-70  
-98.01 To 5092. %



Incident Energy (eV)

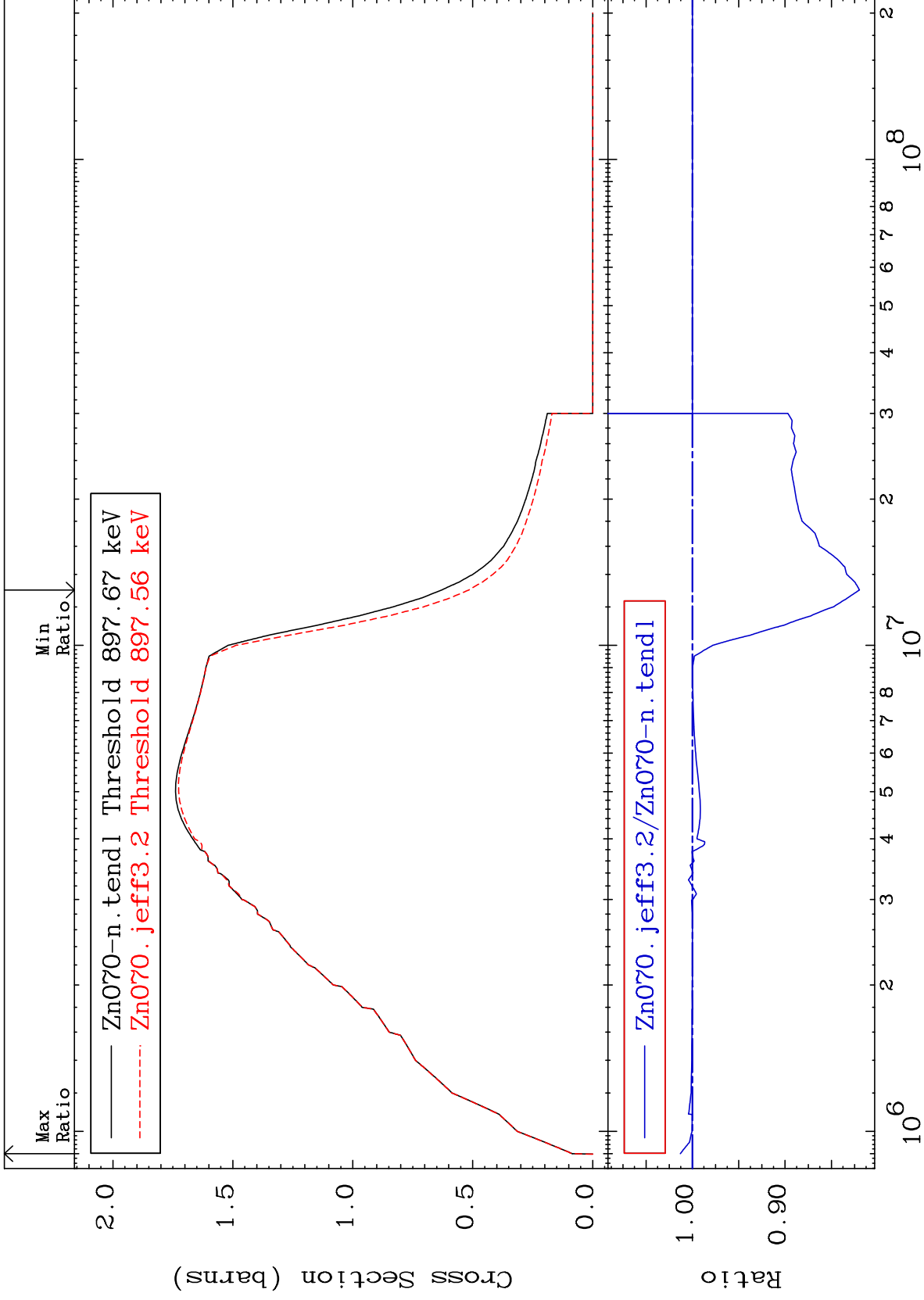
30-Zn-70

2

MAT 3043

Inelastic  
Cross Section

30-Zn-70  
-18.02 To 1.298 %



3

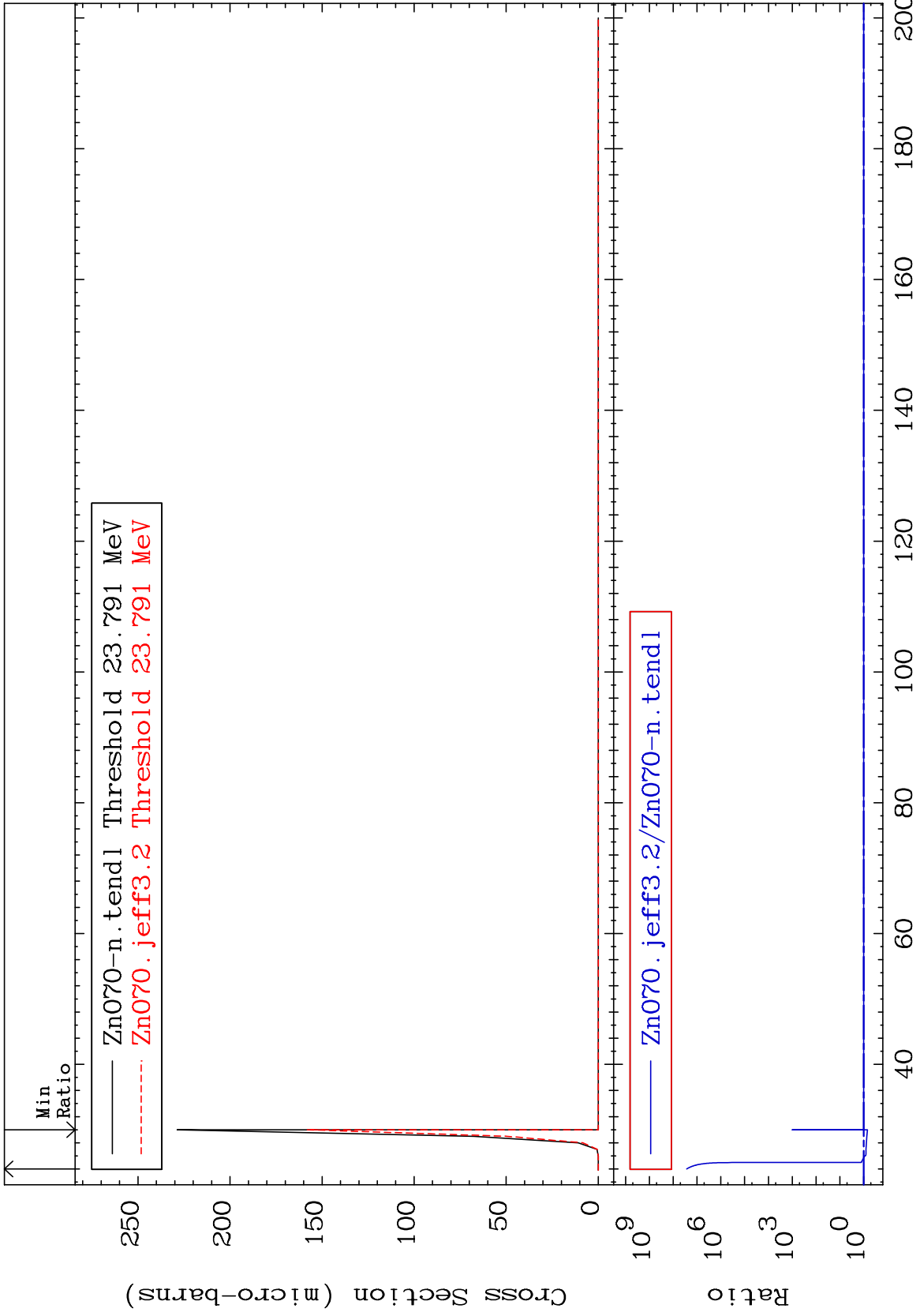
Incident Energy (eV)

30-Zn-70

MAT 3043

(n,2n) d  
Cross Section

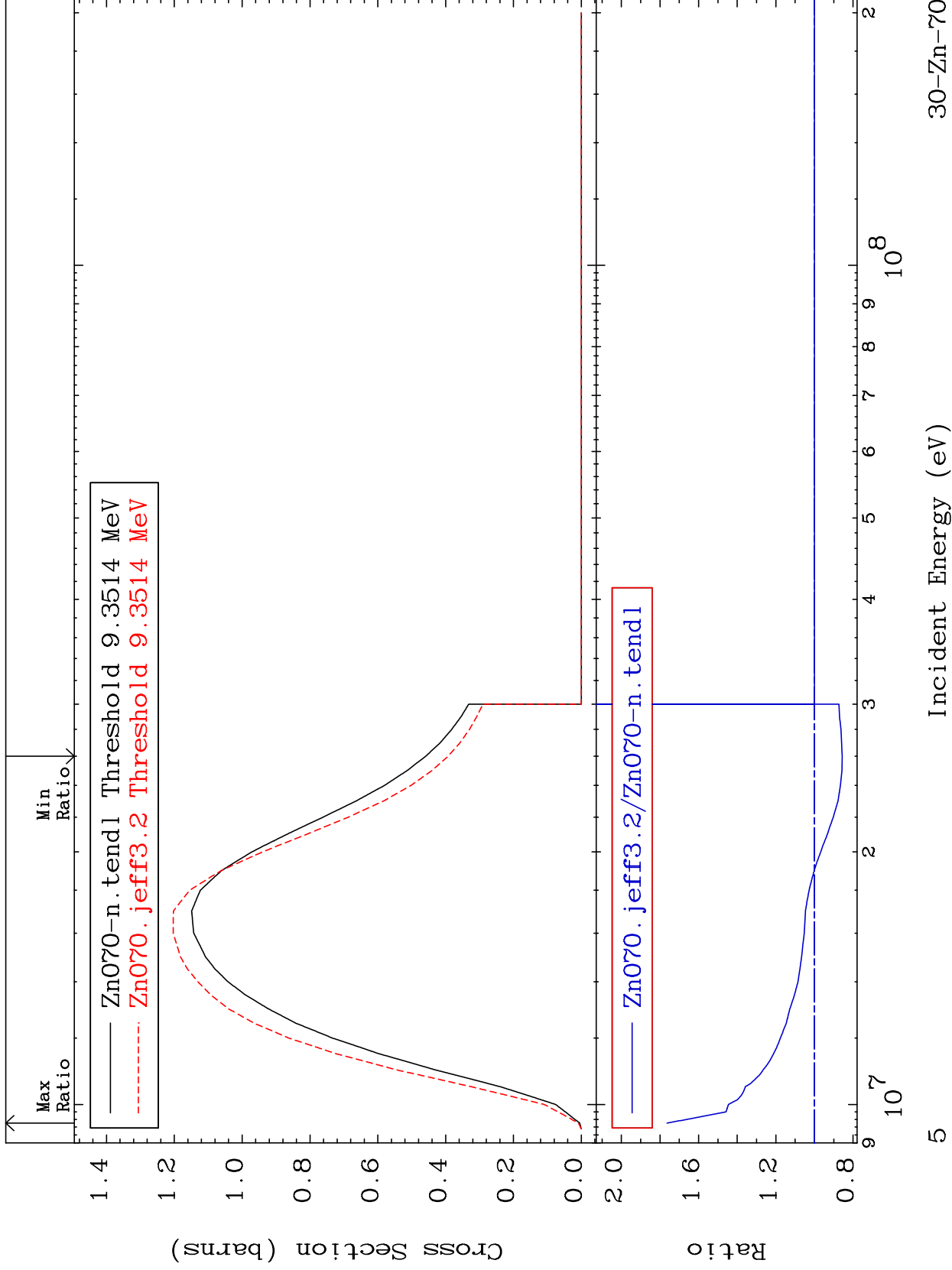
30-Zn-70  
-30.80 To 9999. %



MAT 3043

(n,2n)  
Cross Section

30-Zn-70  
-14.38 To 76.34 %



MAT 3043

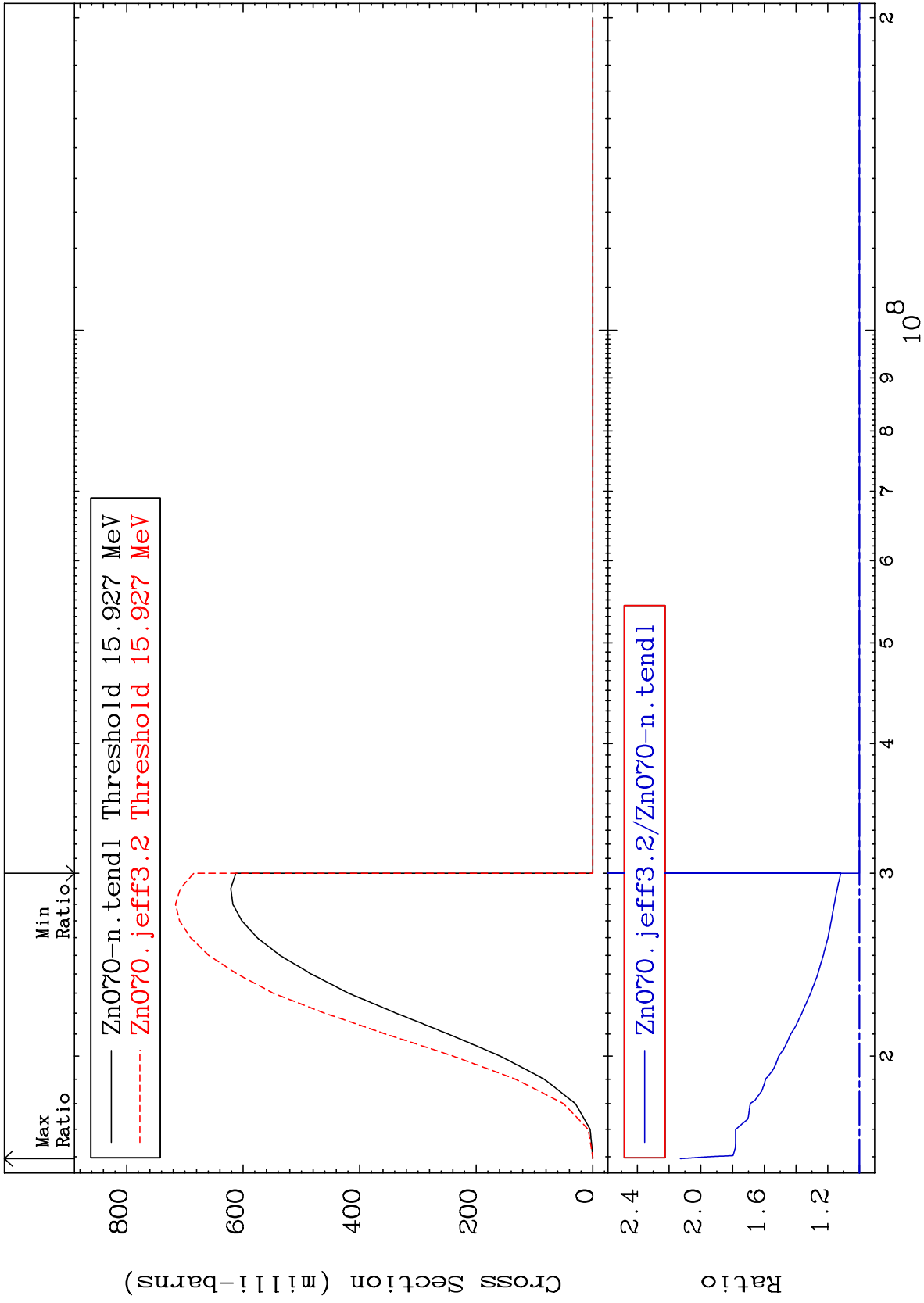
(n,3n)

30-Zn-70

Cross Section

0.000

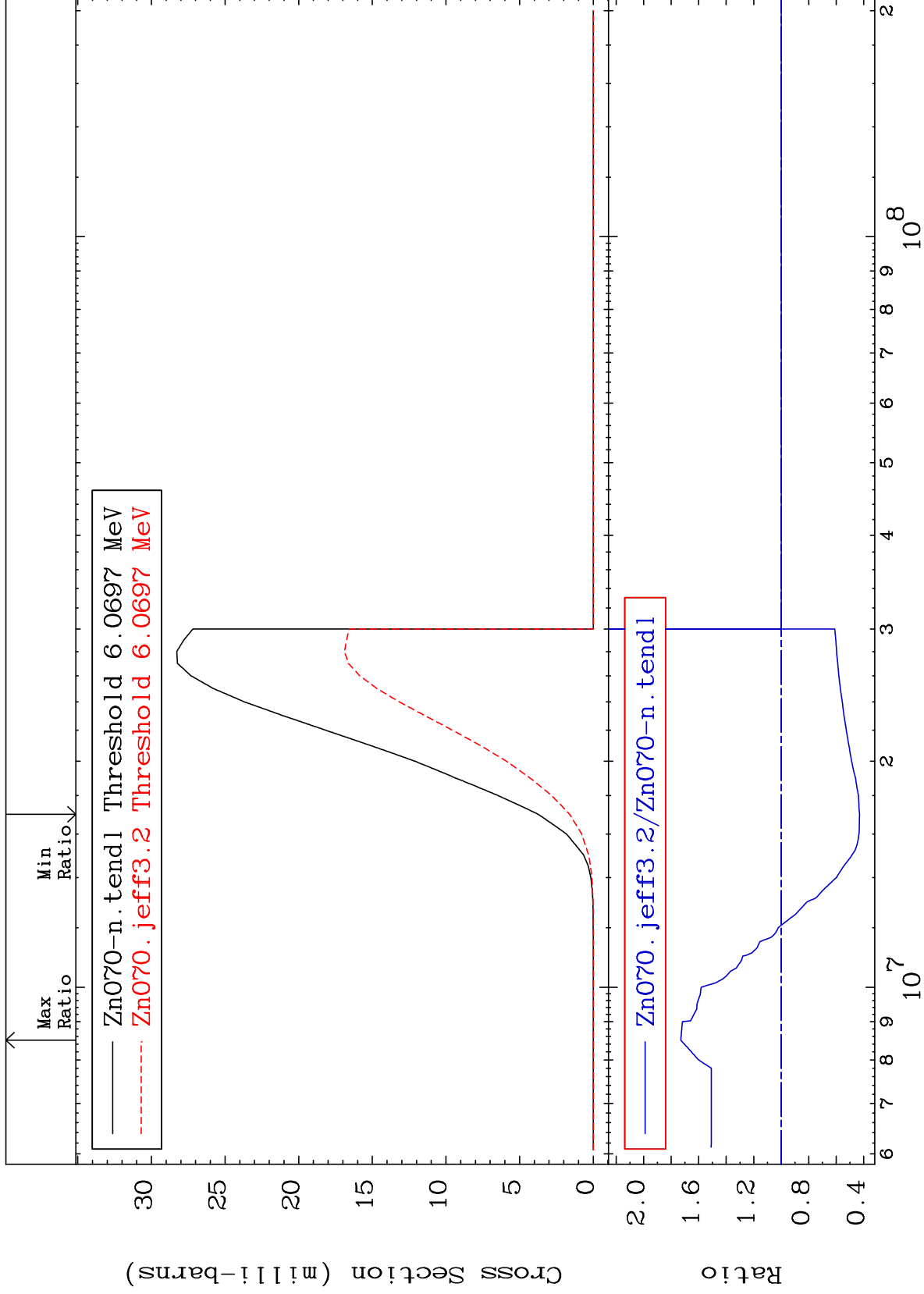
To 112.9 %



MAT 3043

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

30-Zn-70  
-57.01 To 73.05 %



7

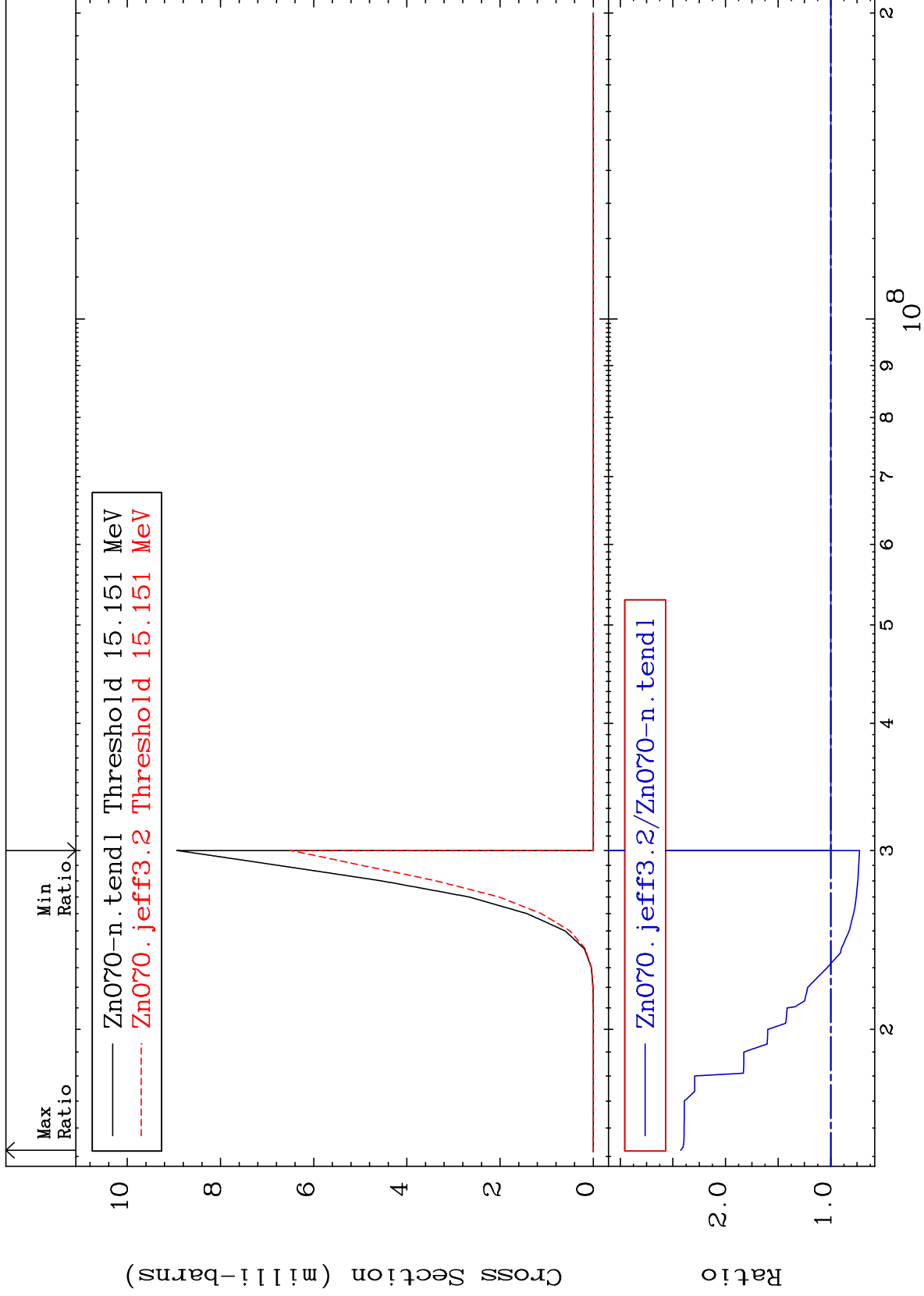
Incident Energy (eV)

30-Zn-70

MAT 3043

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

30-Zn-70  
-27.31 To 142.5 %

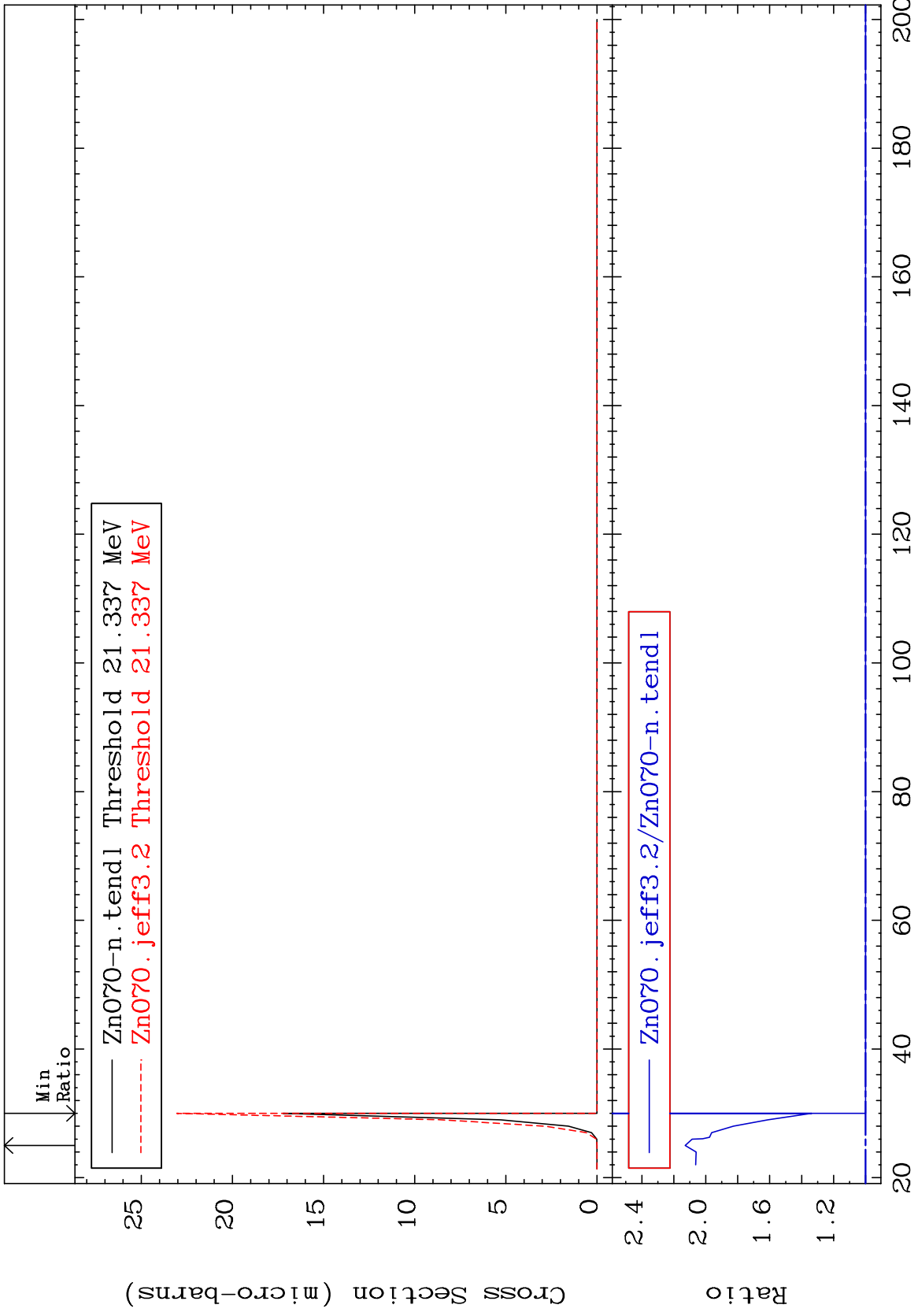




MAT 3043

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

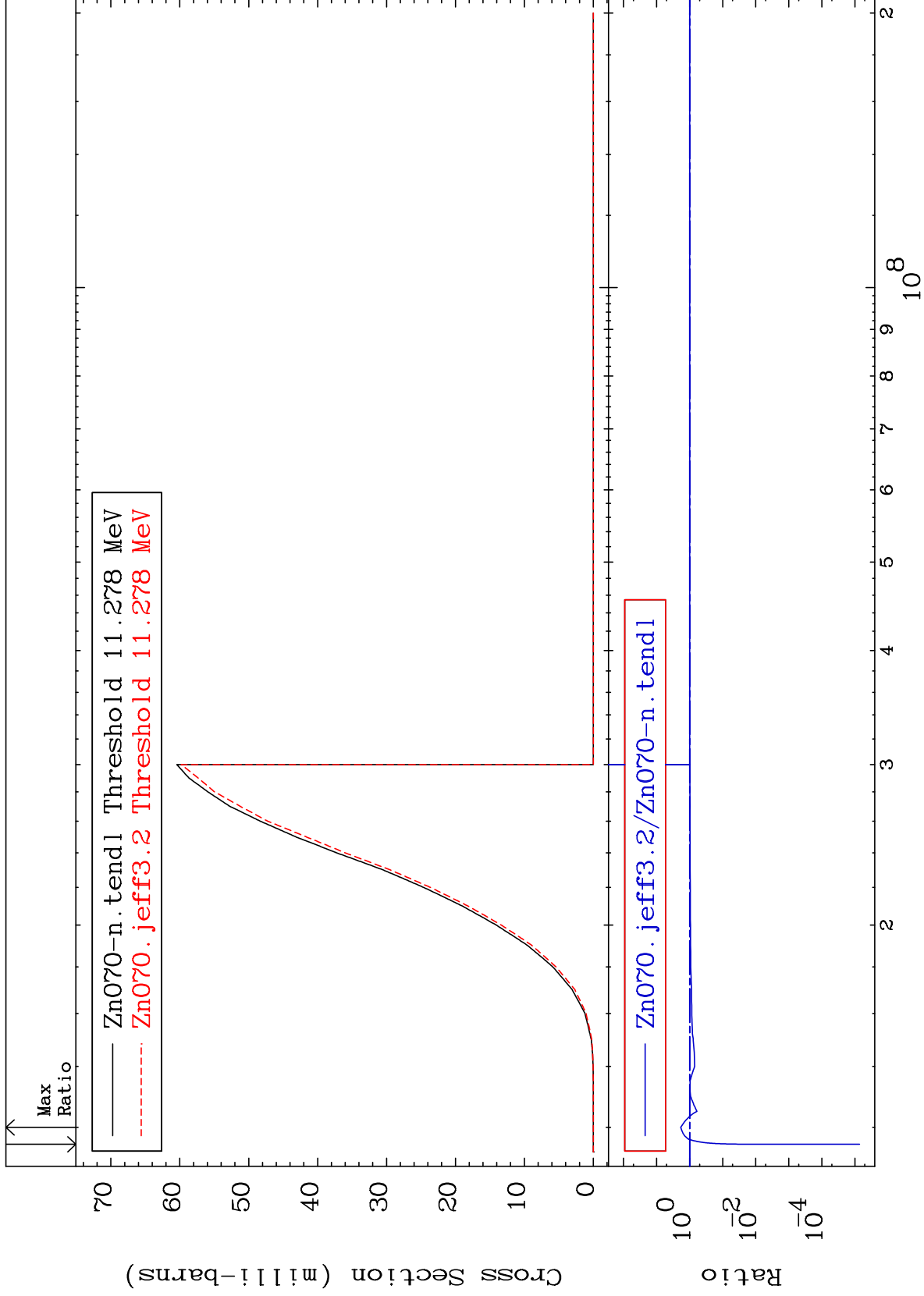
30-Zn-70  
0.000 To 112.8 %



MAT 3043

(n, n') p  
Cross Section

30-Zn-70  
-100.0 To 85.32 %



10

Incident Energy (eV)

30-Zn-70

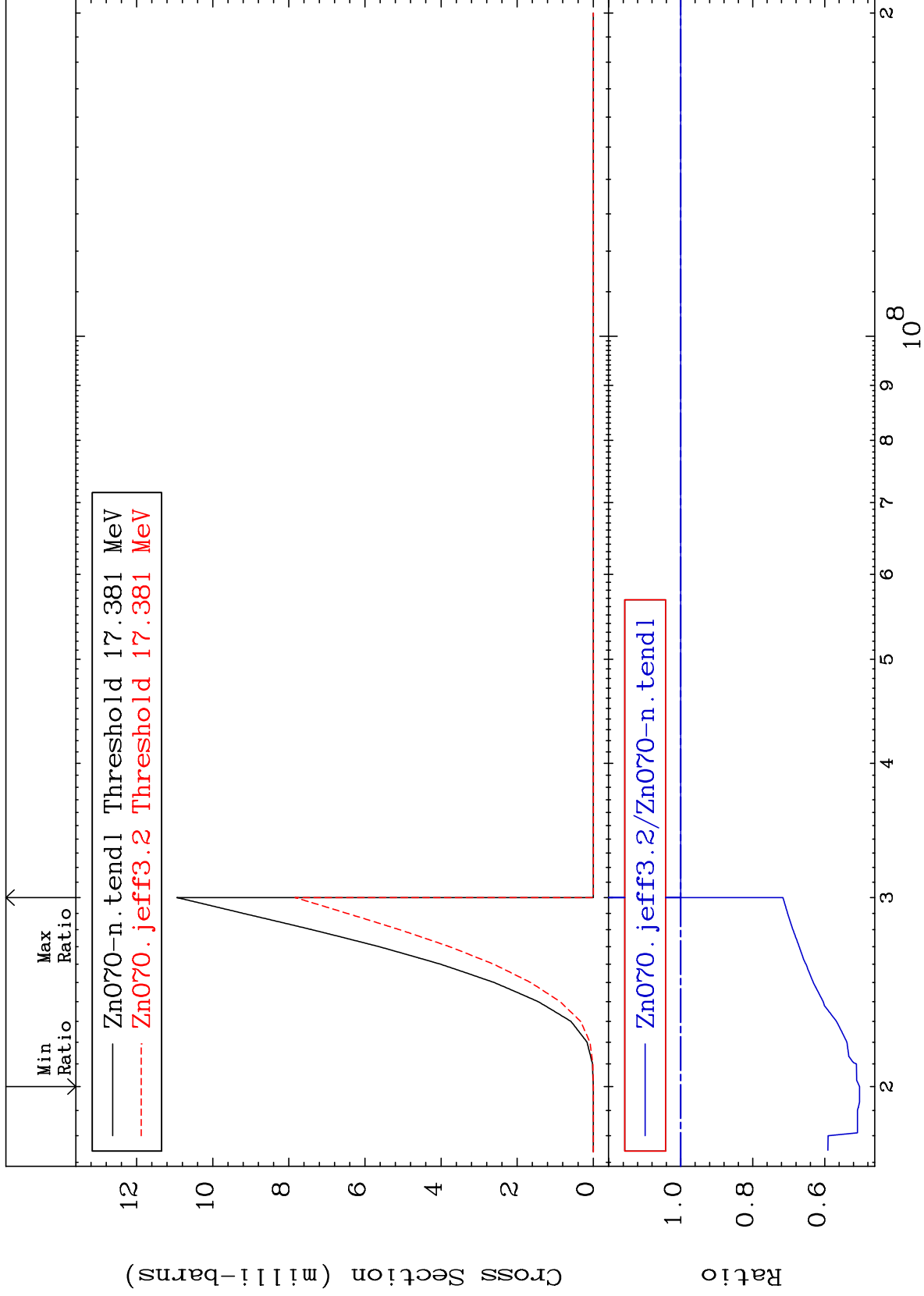
MAT 3043

(n,n') d

30-Zn-70

Cross Section

-49.66 To 0.000 %



11

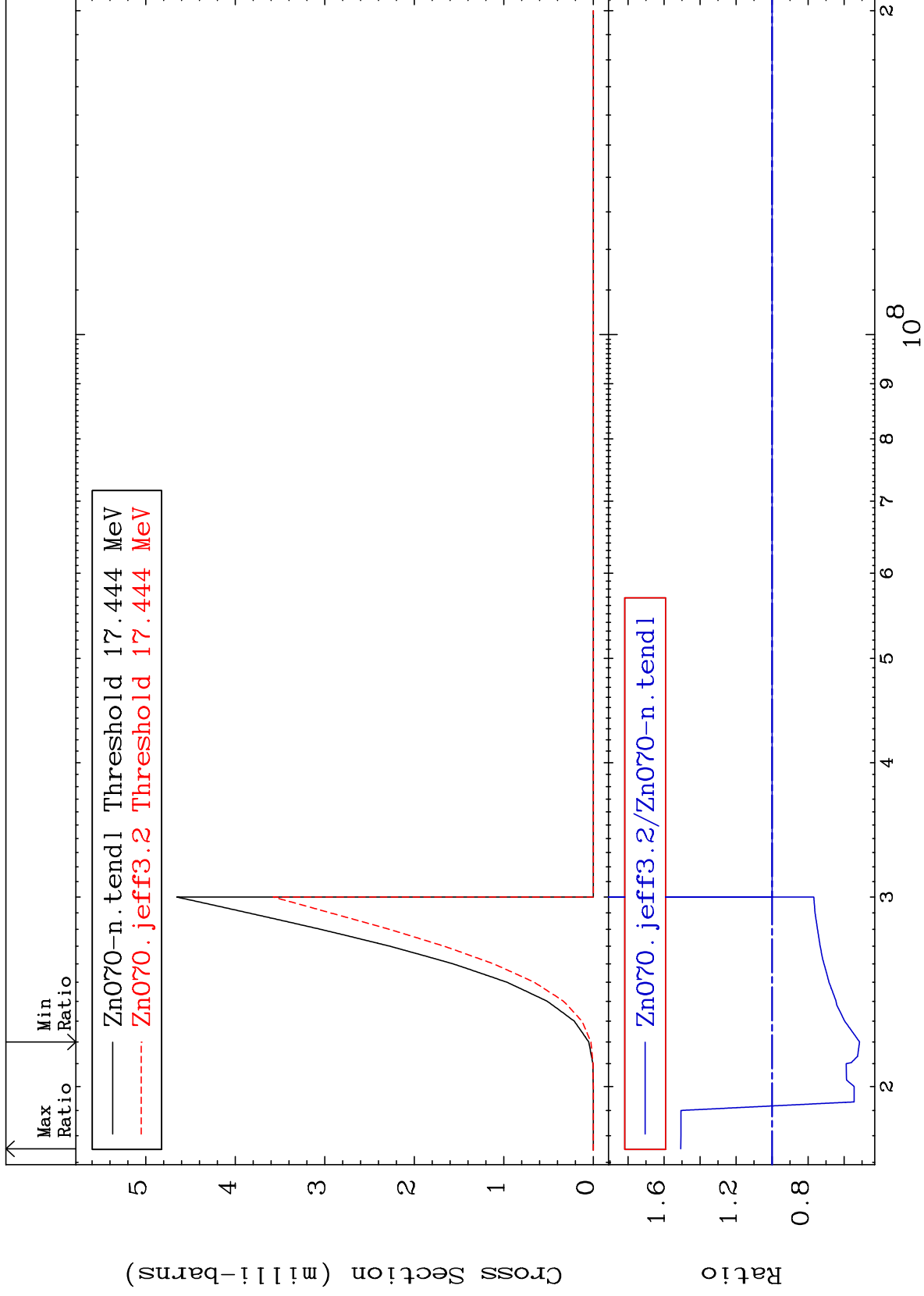
Incident Energy (eV)

30-Zn-70

MAT 3043

(n,n') t  
Cross Section

30-Zn-70  
-48.56 To 50.71 %



12

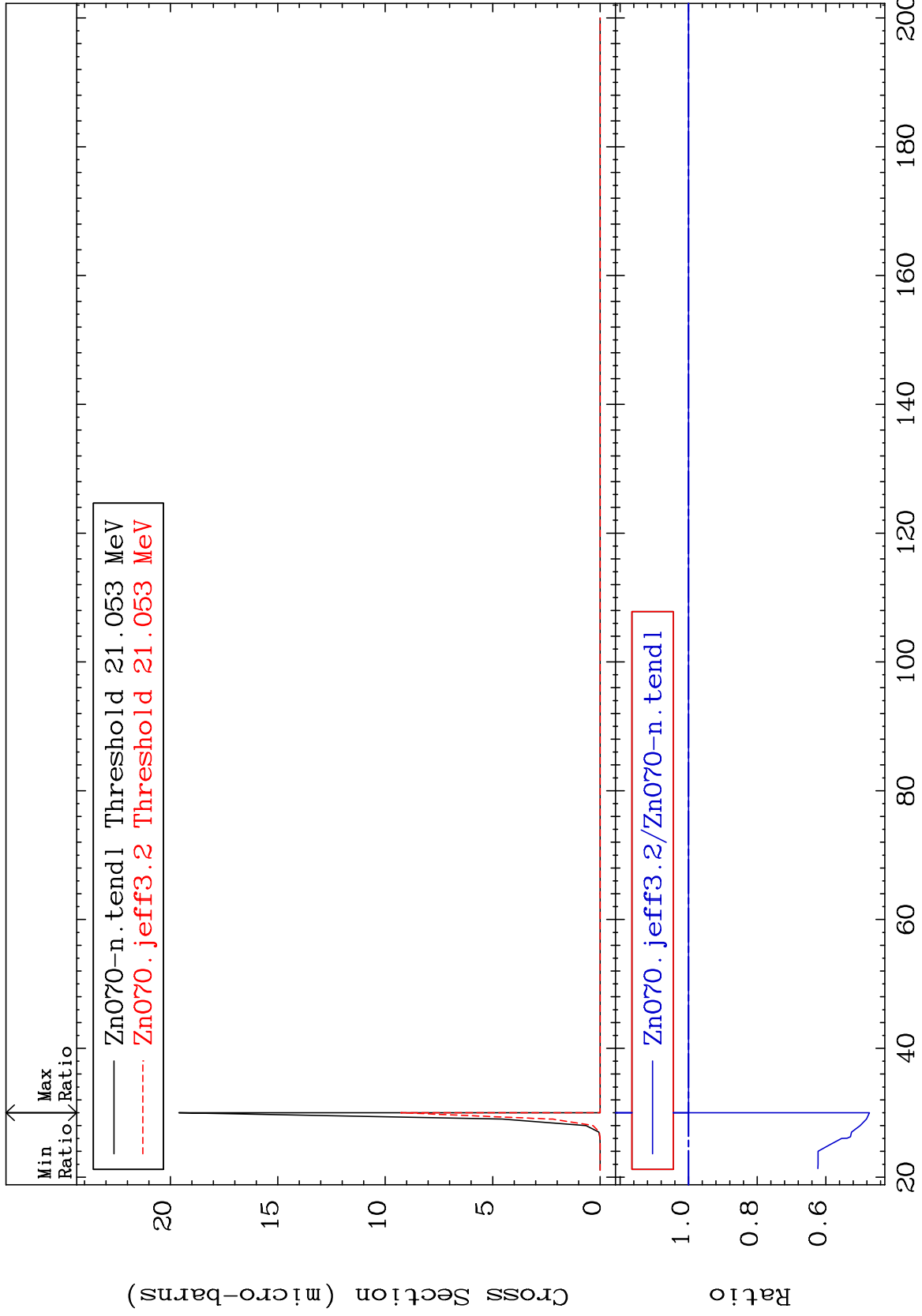
30-Zn-70

30-Zn-70

MAT 3043

(n, n') He-3  
Cross Section

30-Zn-70  
-52.74 To 0.000 %



MAT 3043

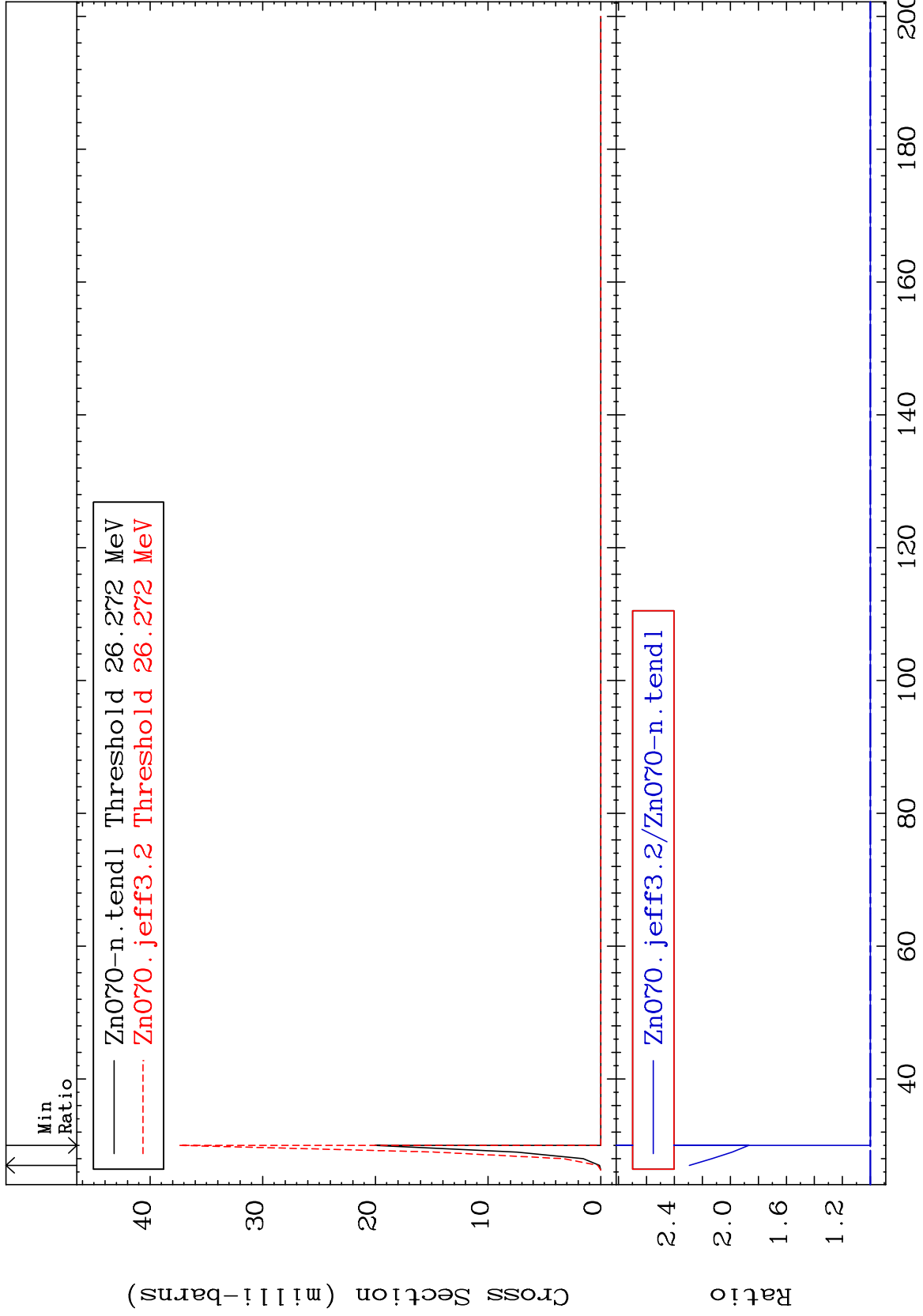
(n,4n)

30-Zn-70

Cross Section

0.000

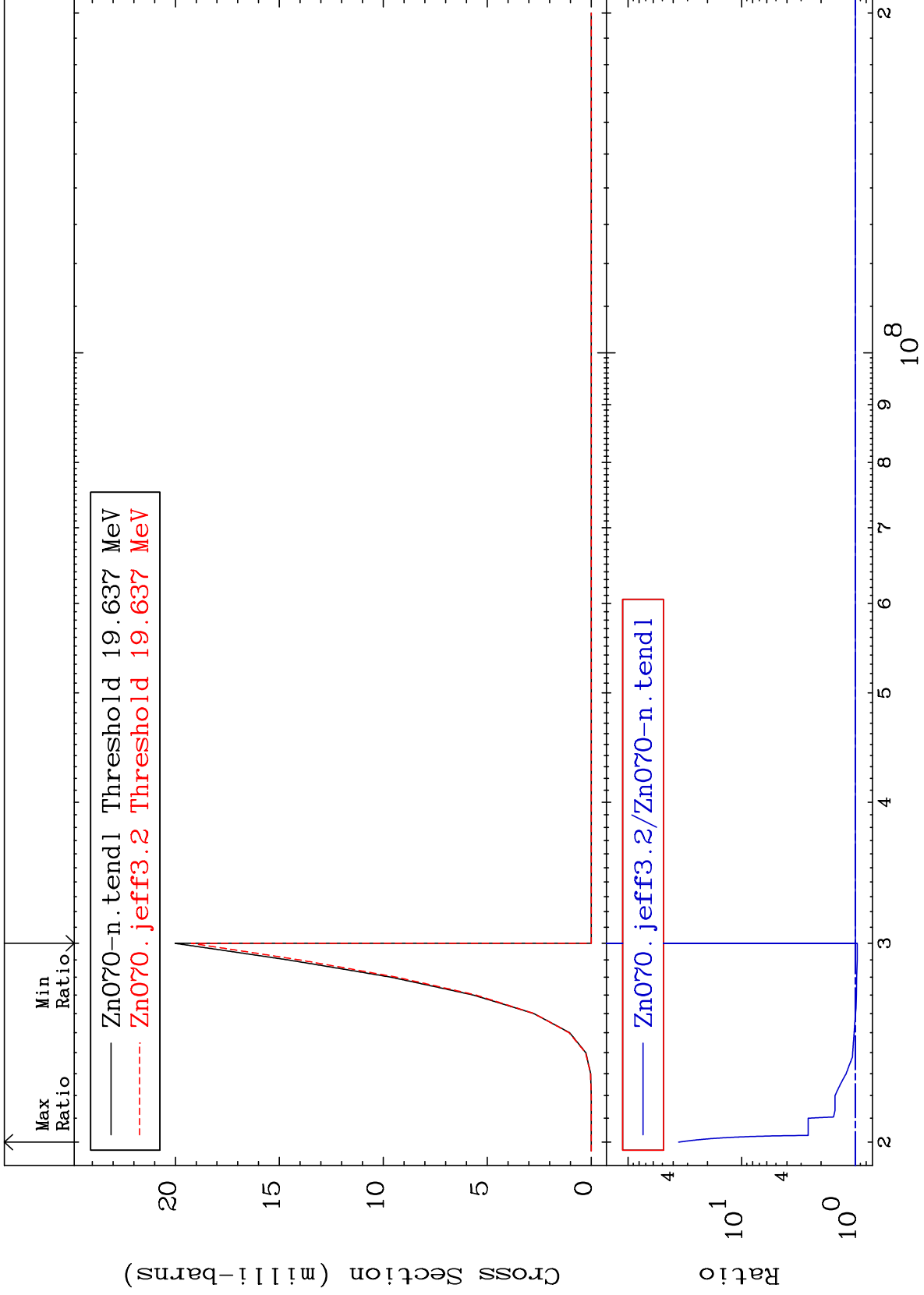
To 129.3 %



MAT 3043

(n,2n) p  
Cross Section

30-Zn-70  
-3.931 To 3488. %



15

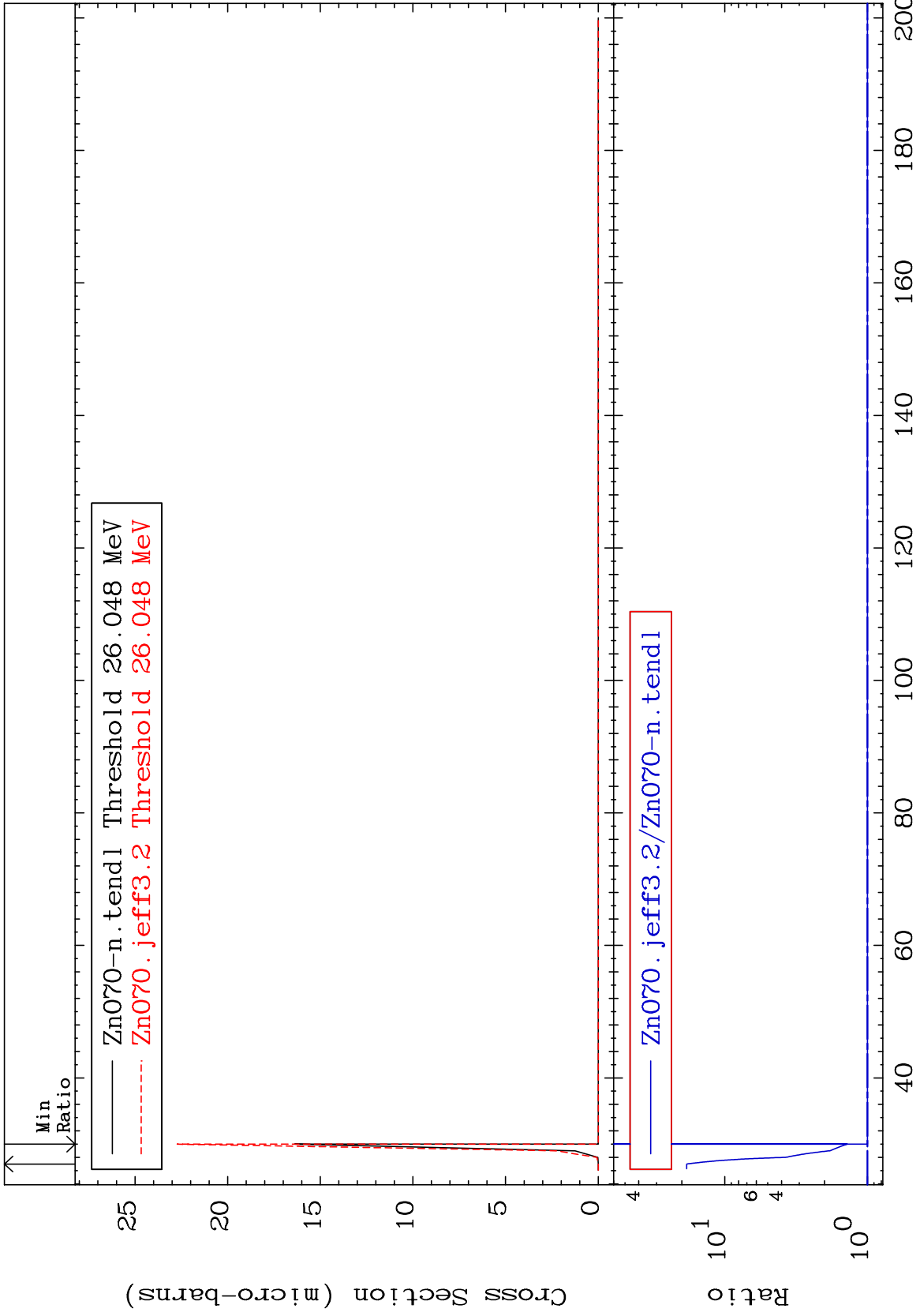
Incident Energy (eV)

30-Zn-70

MAT 3043

(n,3n) p  
Cross Section

30-Zn-70  
To 1746. %  
0.000

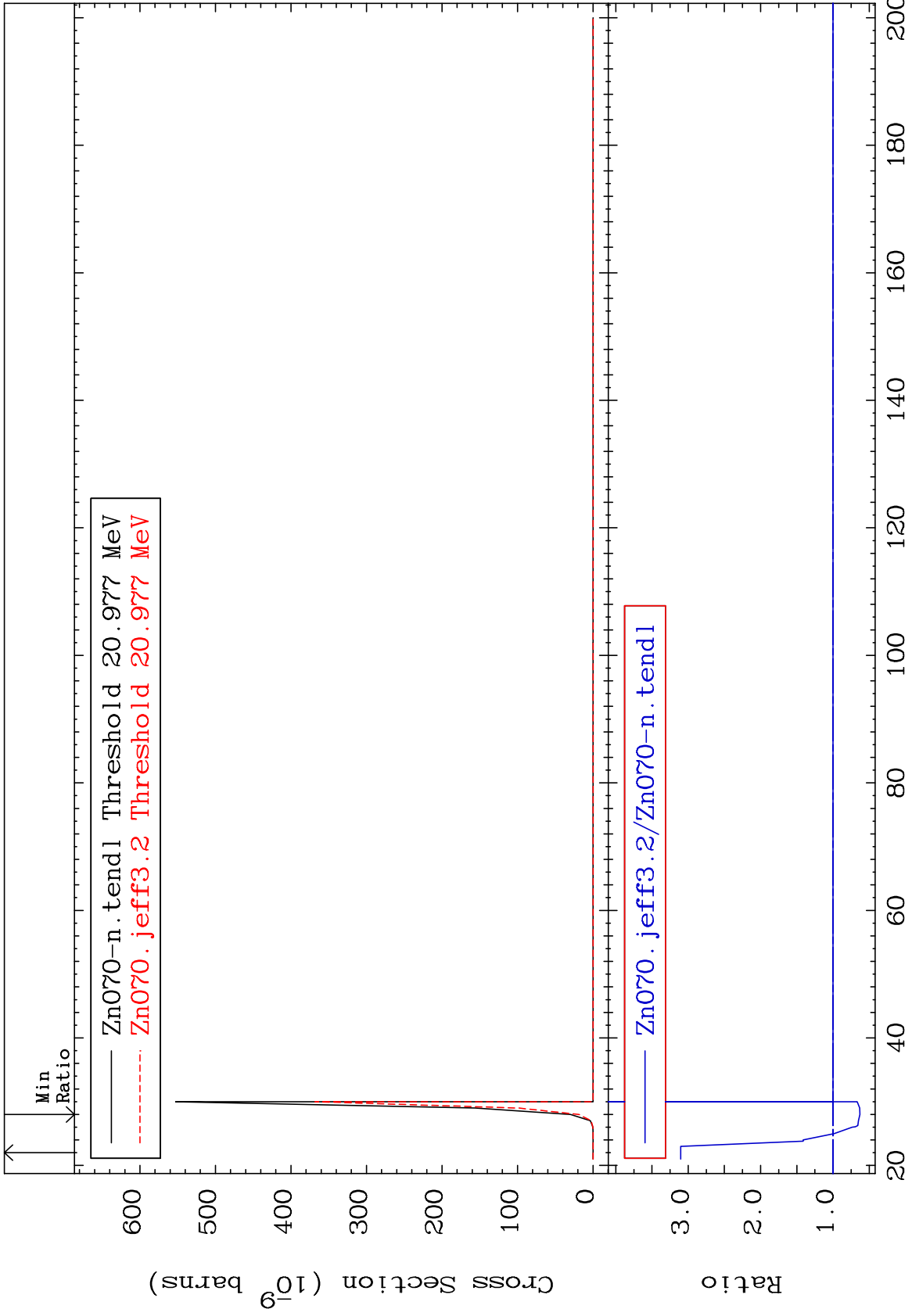




MAT 3043

(n,2n) p  
Cross Section

30-Zn-70  
-37.14 To 210.3 %

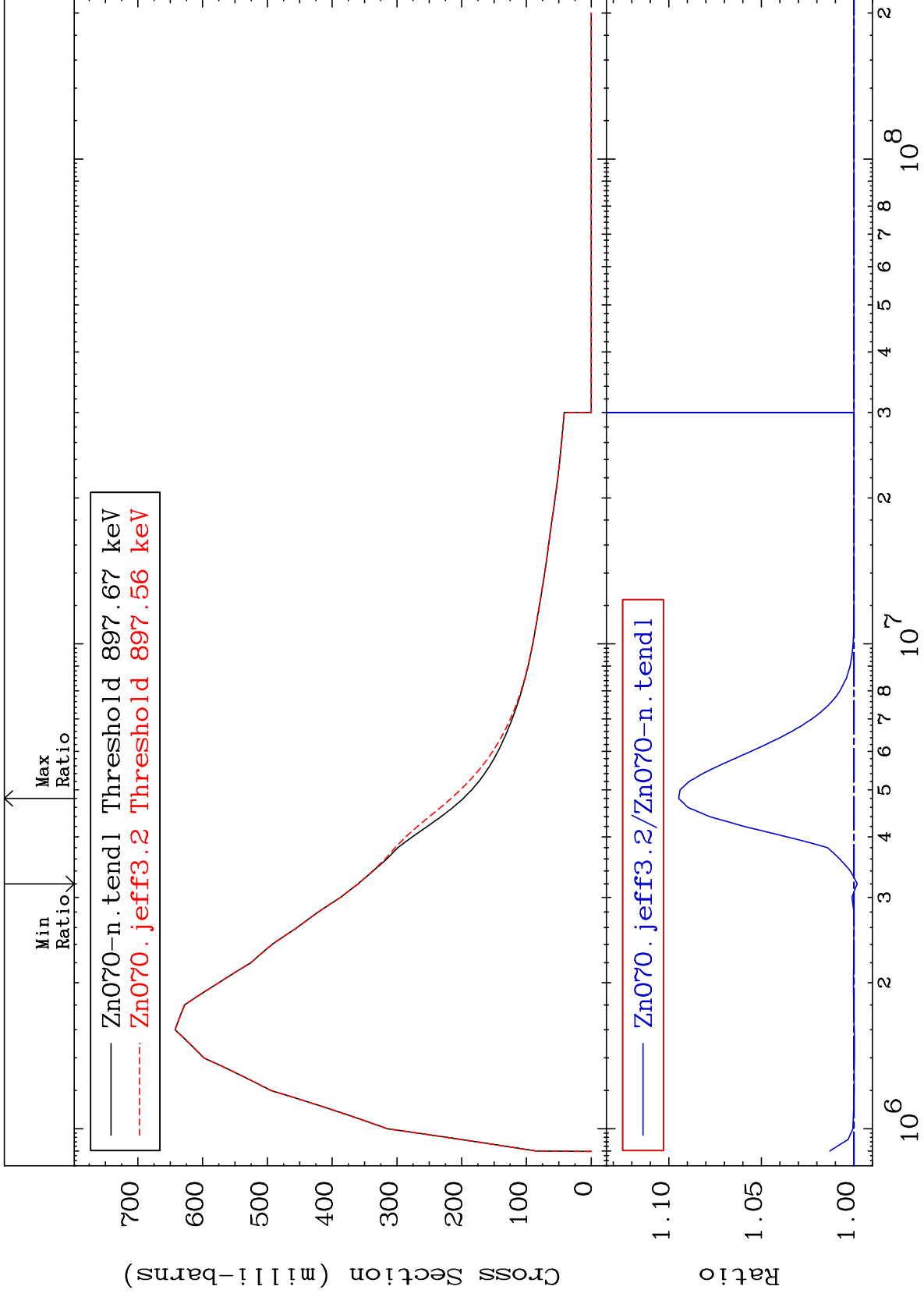




MAT 3043

884.9 keV (n,n') Level  
Cross Section

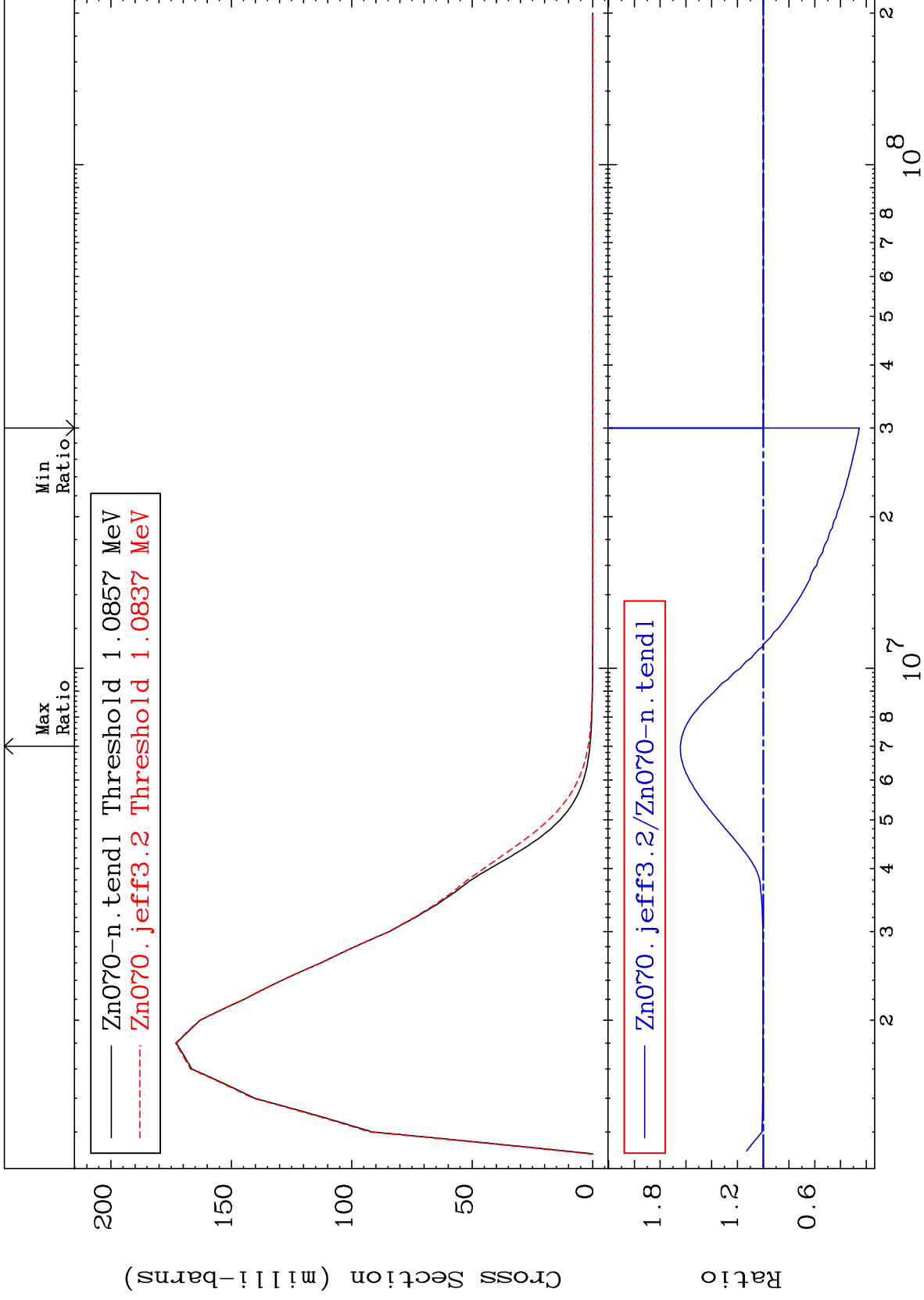
30-Zn-70  
-0.181 To 9.472 %



MAT 3043

1.070 MeV (n,n') Level  
Cross Section

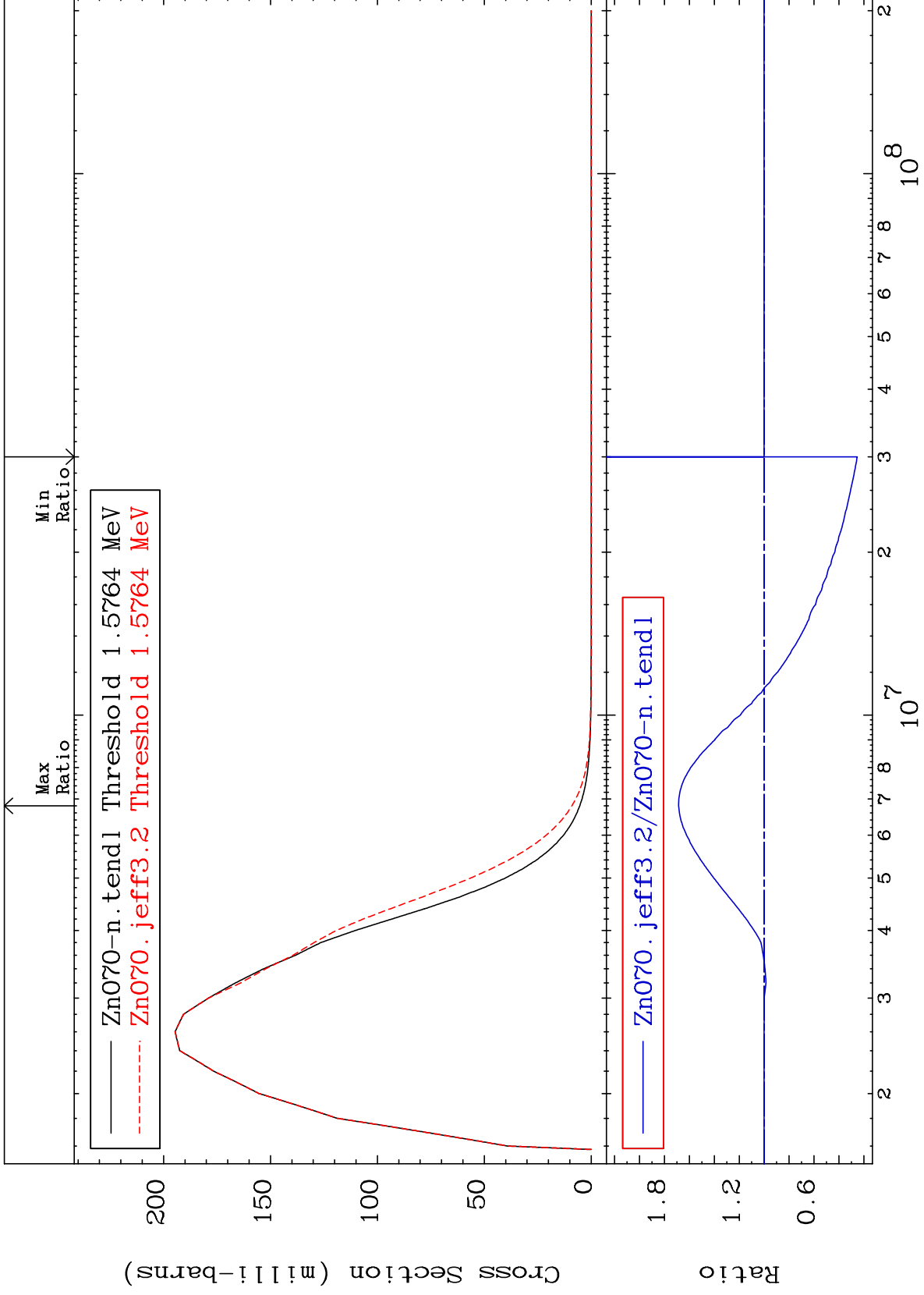
30-Zn-70  
-74.66 To 64.31 %



MAT 3043

1.554 MeV (n,n') Level  
Cross Section

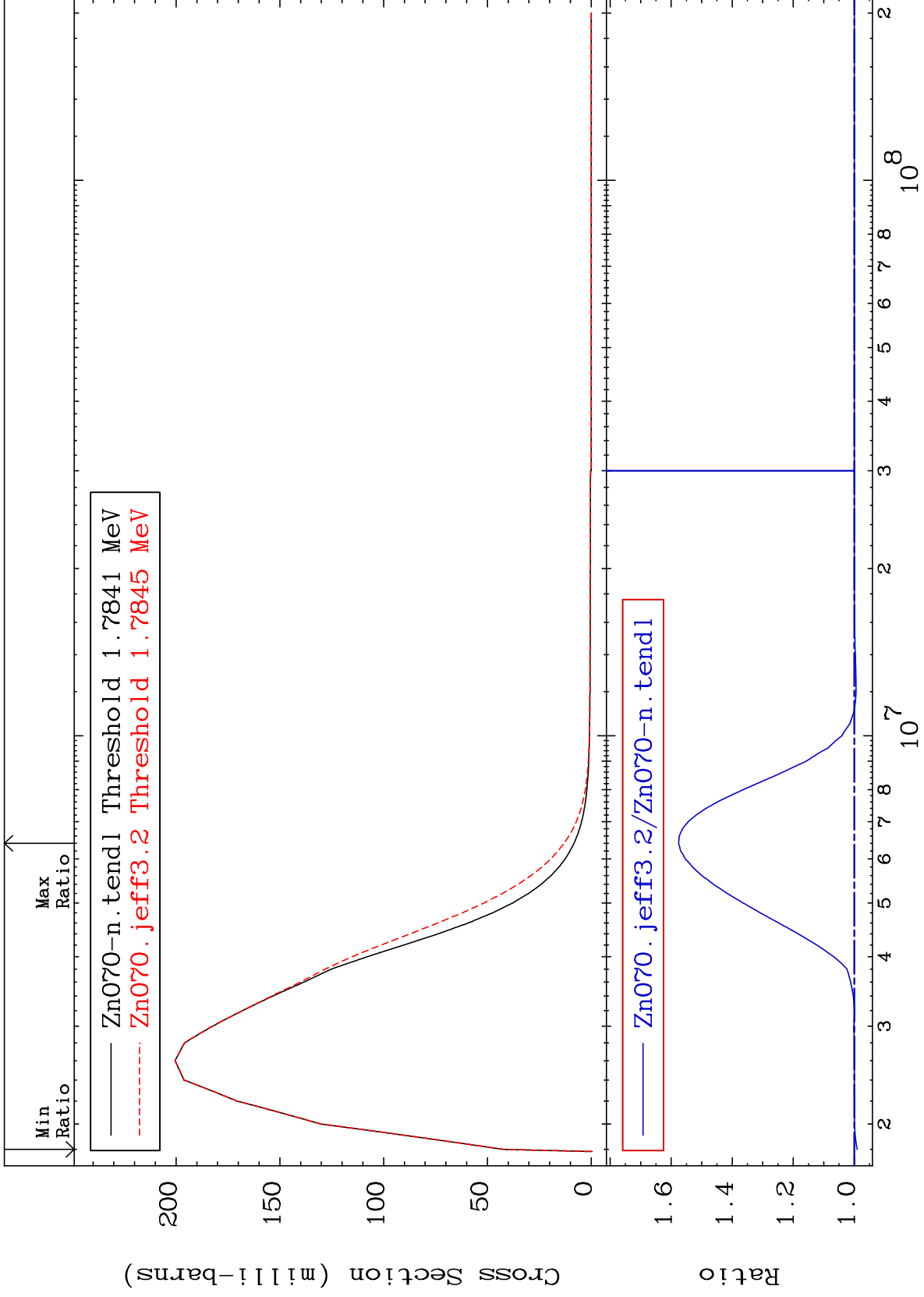
30-Zn-70  
-74.61 To 68.56 %



MAT 3043

1.759 MeV (n,n') Level  
Cross Section

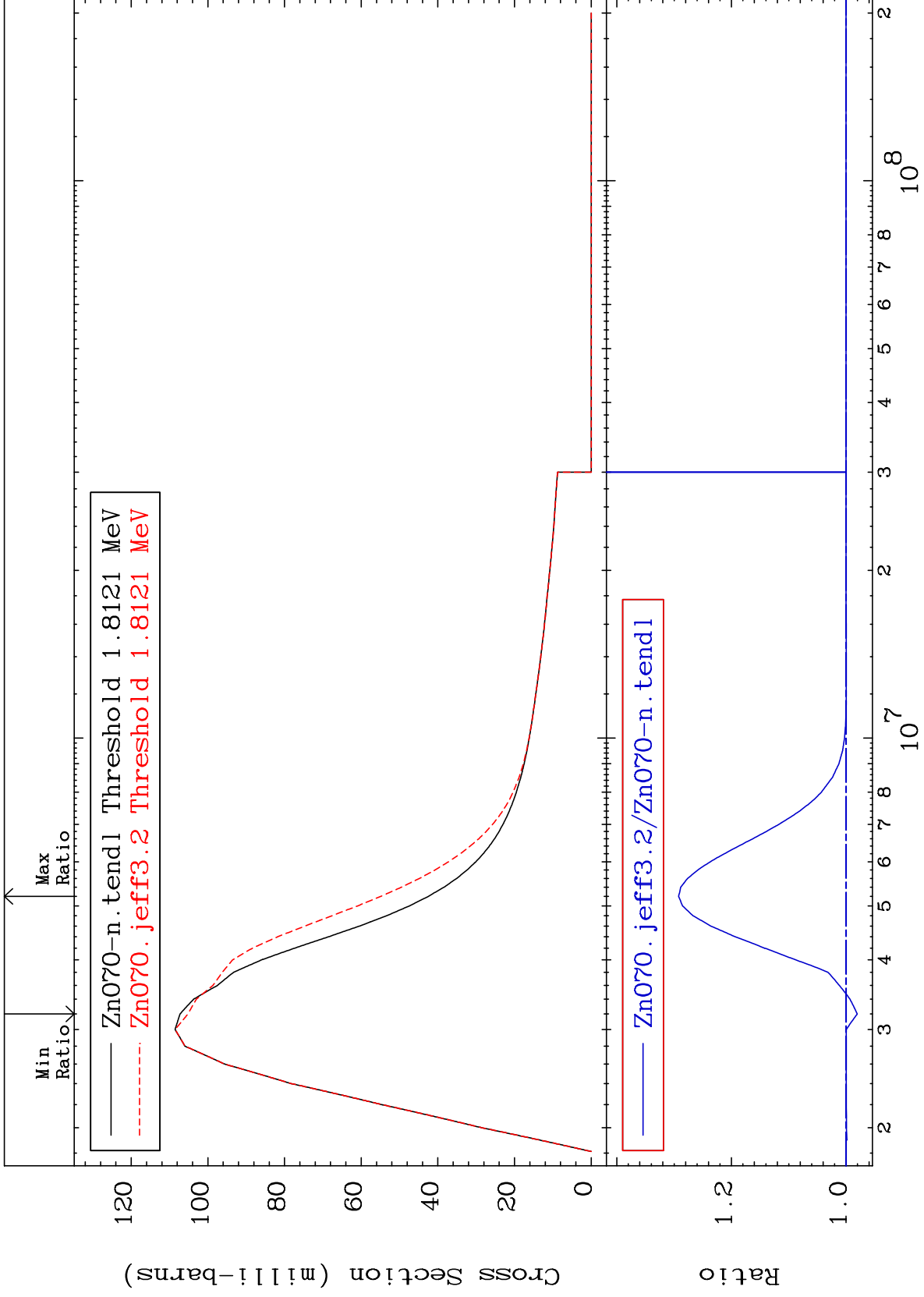
30-Zn-70  
-0.981 To 57.55 %



MAT 3043

1.786 MeV (n,n') Level  
Cross Section

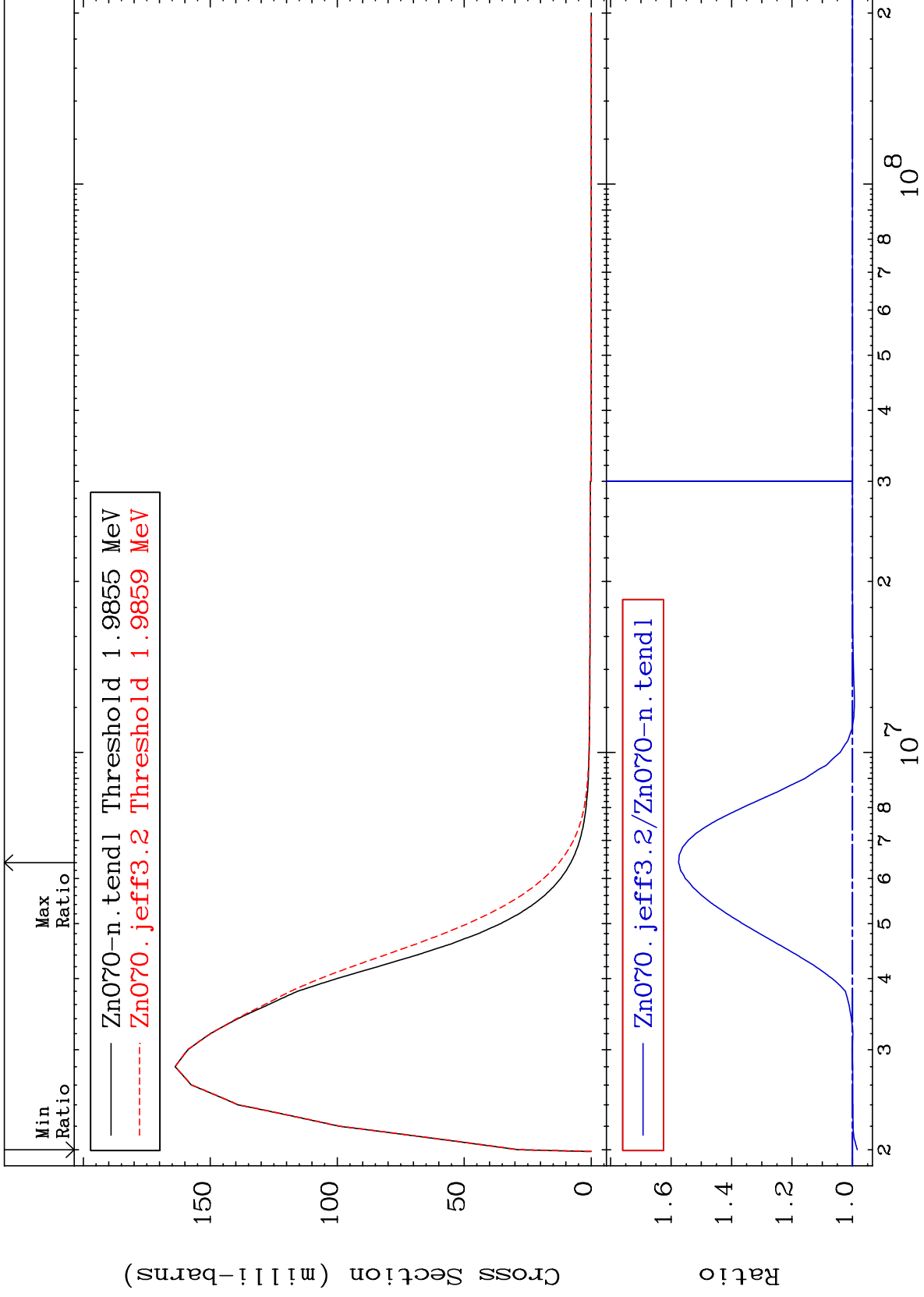
30-Zn-70  
-1.948 To 29.22 %



MAT 3043

1.957 MeV (n,n') Level  
Cross Section

30-Zn-70  
-1.582 To 57.50 %

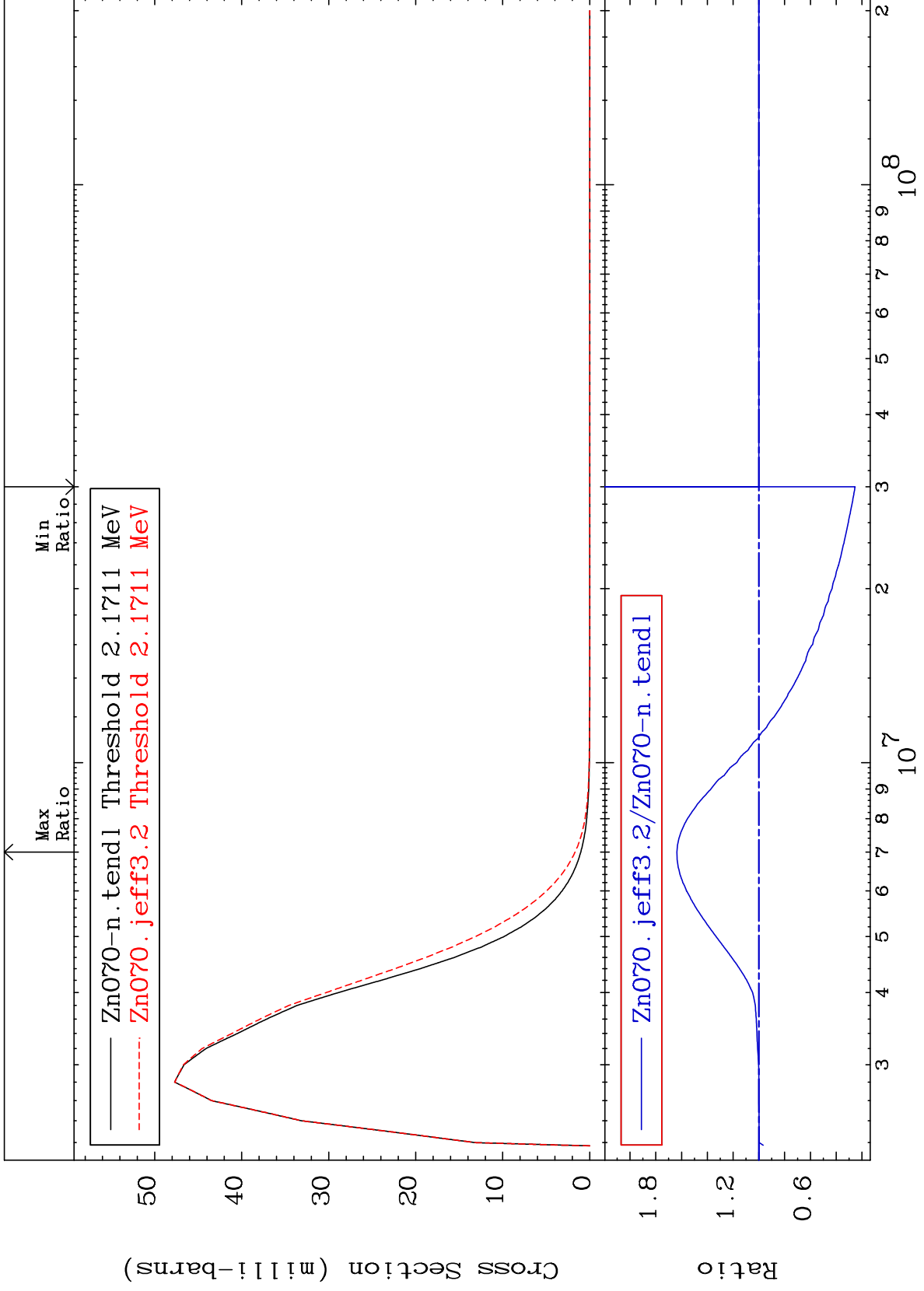




MAT 3043

2.140 MeV (n,n') Level  
Cross Section

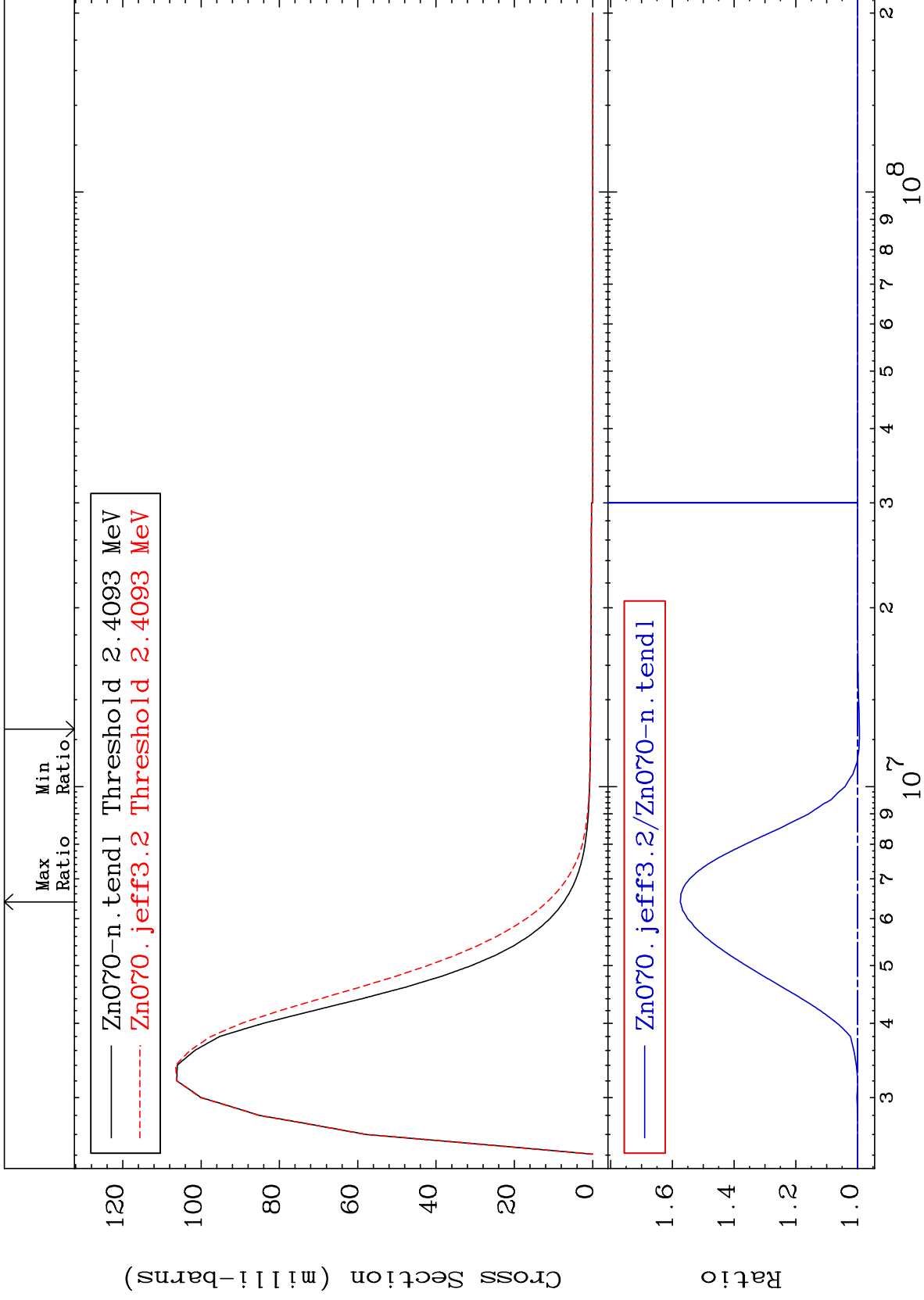
30-Zn-70  
-74.68 To 63.60 %



MAT 3043

2.375 MeV (n,n') Level  
Cross Section

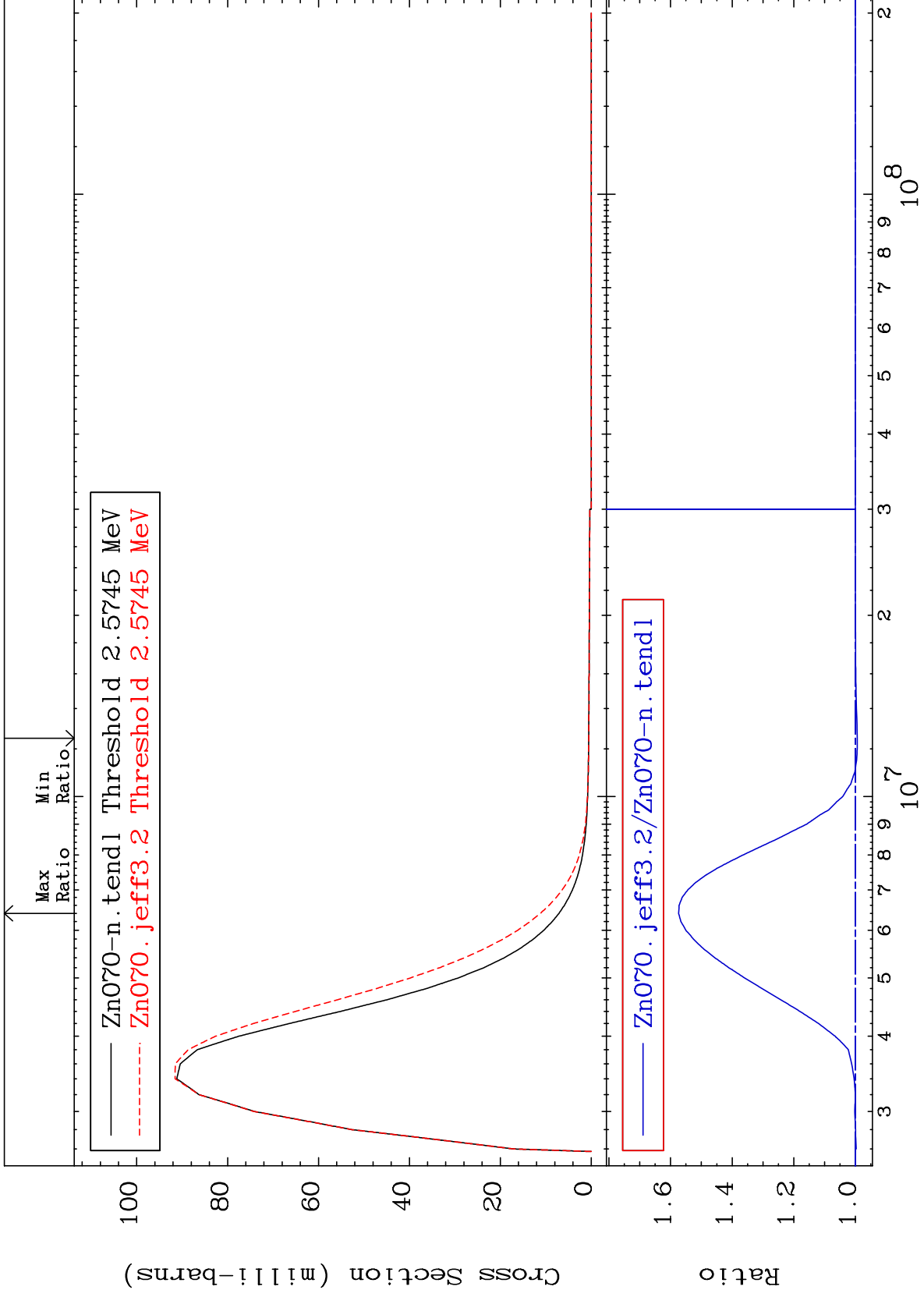
30-Zn-70  
-0.595 To 57.42 %



MAT 3043

2.538 MeV (n,n') Level  
Cross Section

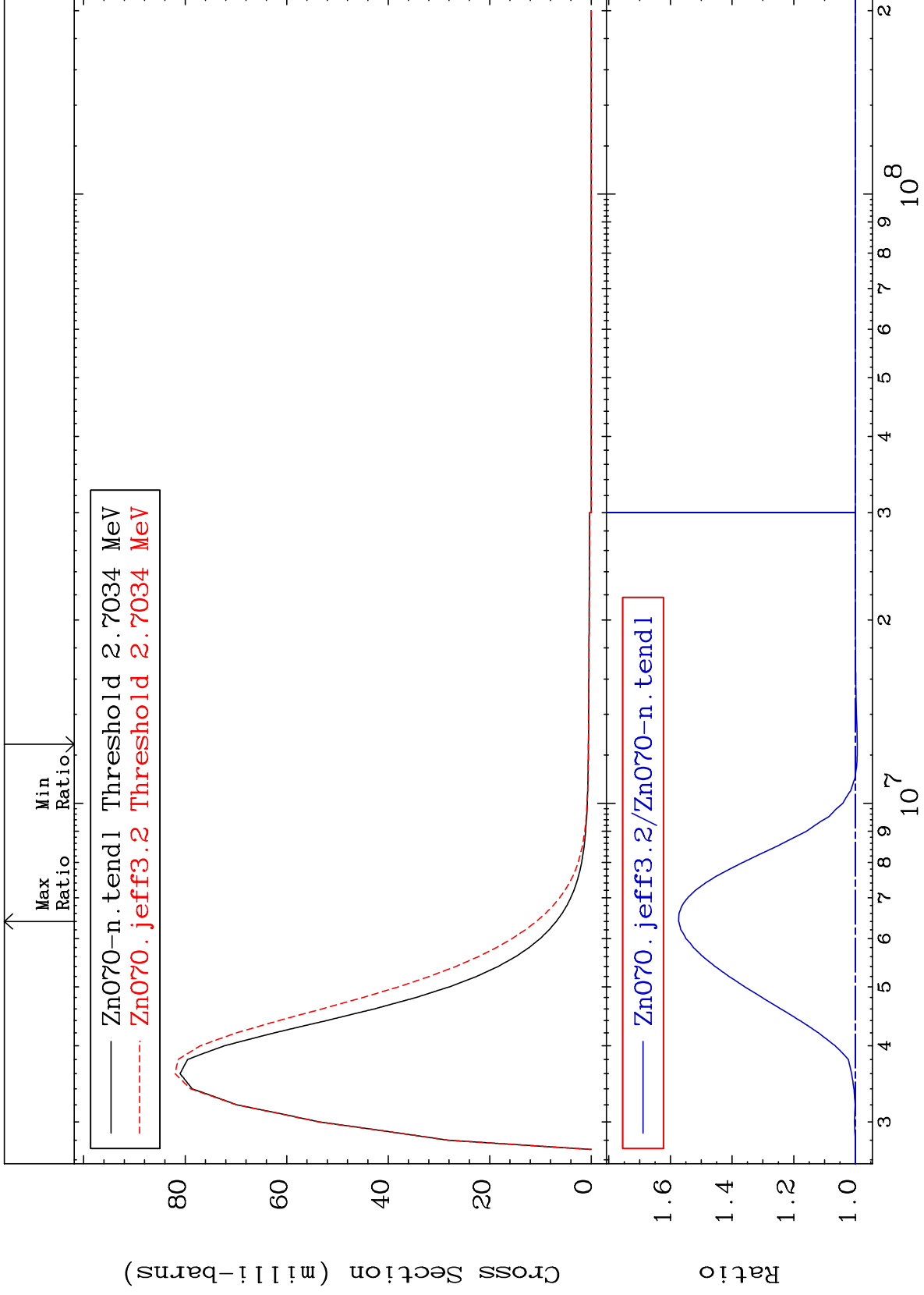
30-Zn-70  
-0.599 To 57.38 %



MAT 3043

2.665 MeV (n,n') Level  
Cross Section

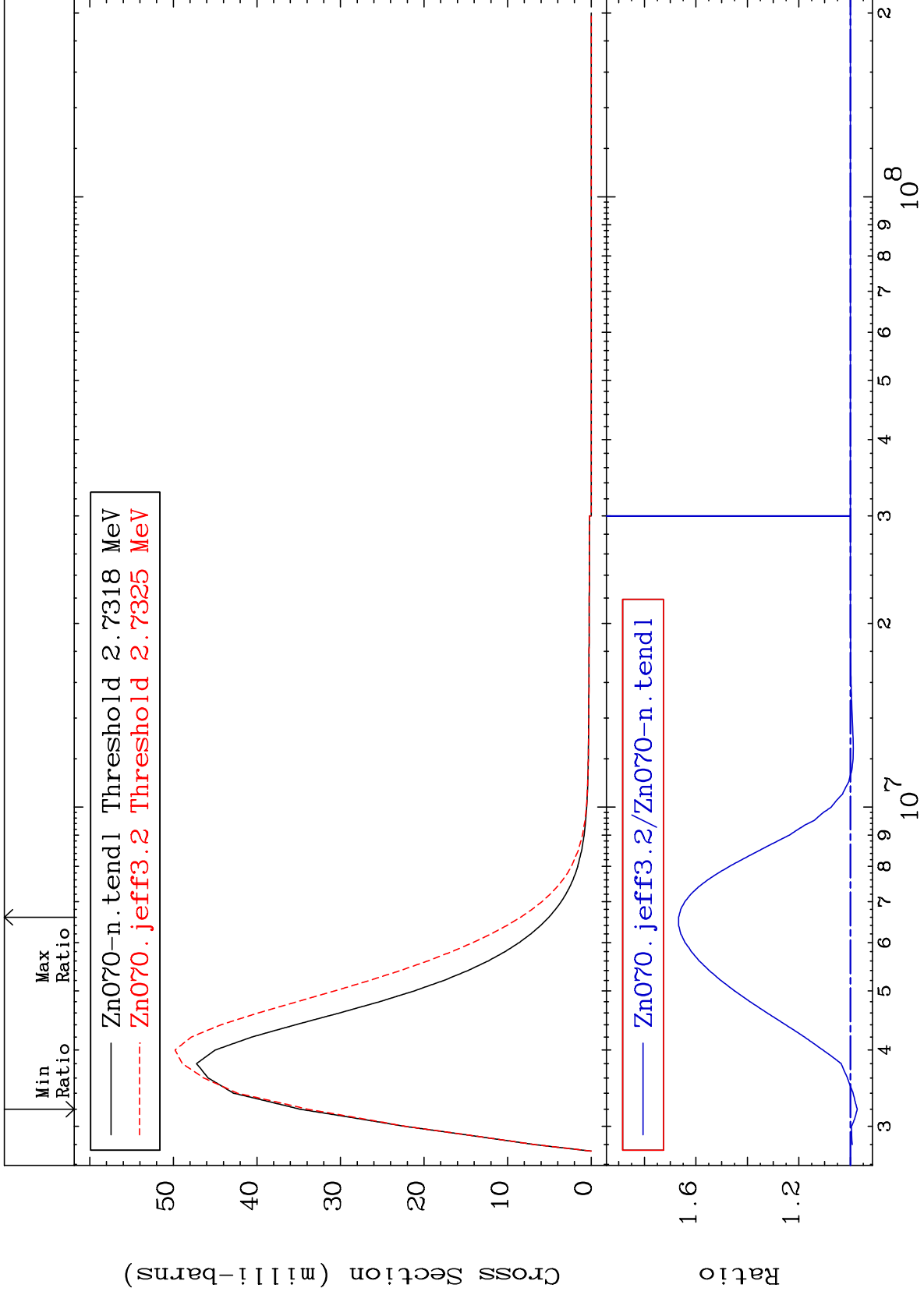
30-Zn-70  
-0.601 To 57.34 %



MAT 3043

2.693 MeV (n,n') Level  
Cross Section

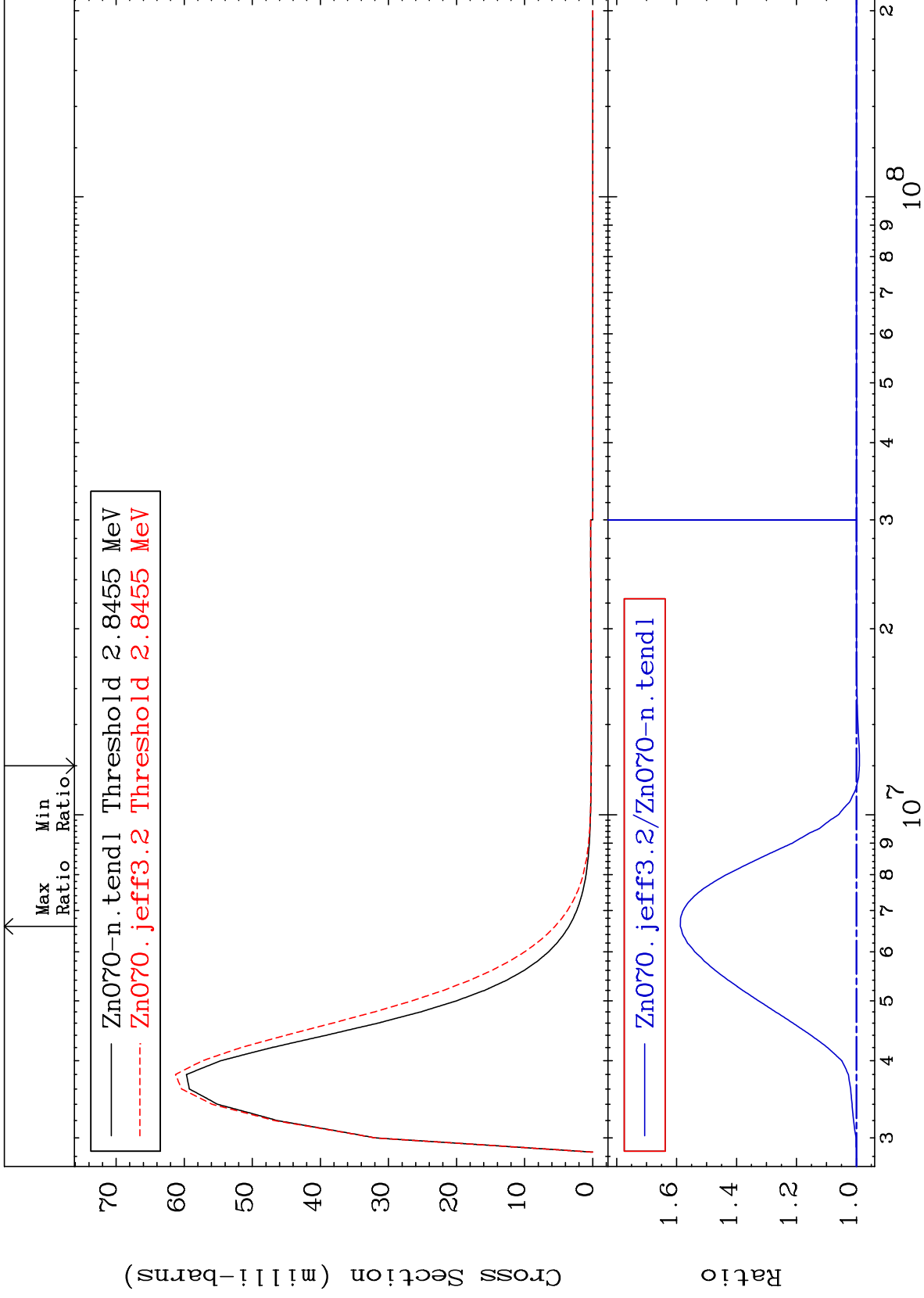
30-Zn-70  
-2.672 To 66.73 %



MAT 3043

2.805 MeV (n,n') Level  
Cross Section

30-Zn-70  
-1.009 To 58.74 %



30

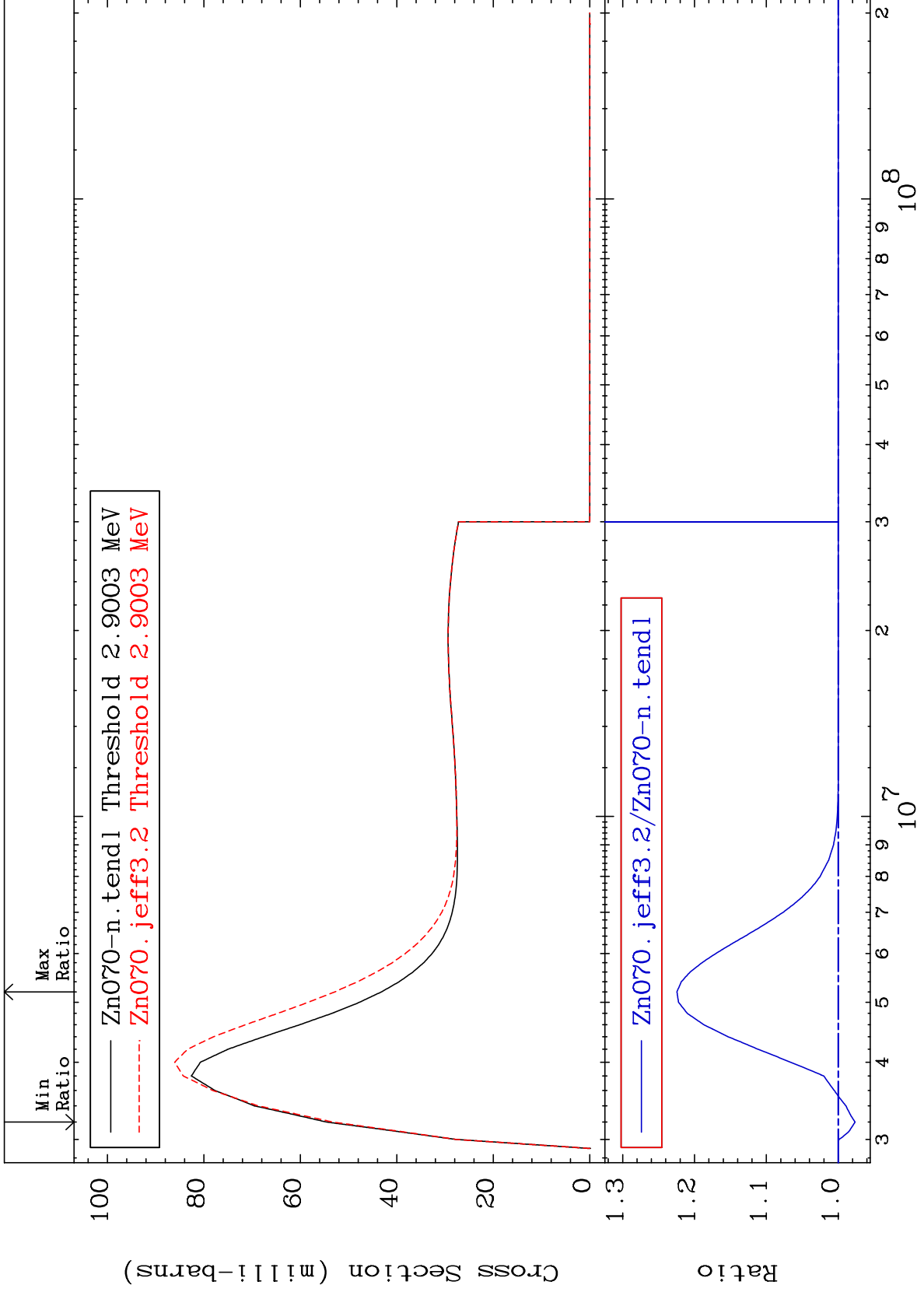
Incident Energy (eV)

30-Zn-70

MAT 3043

2.859 MeV (n,n') Level  
Cross Section

30-Zn-70  
-2.344 To 22.45 %



31

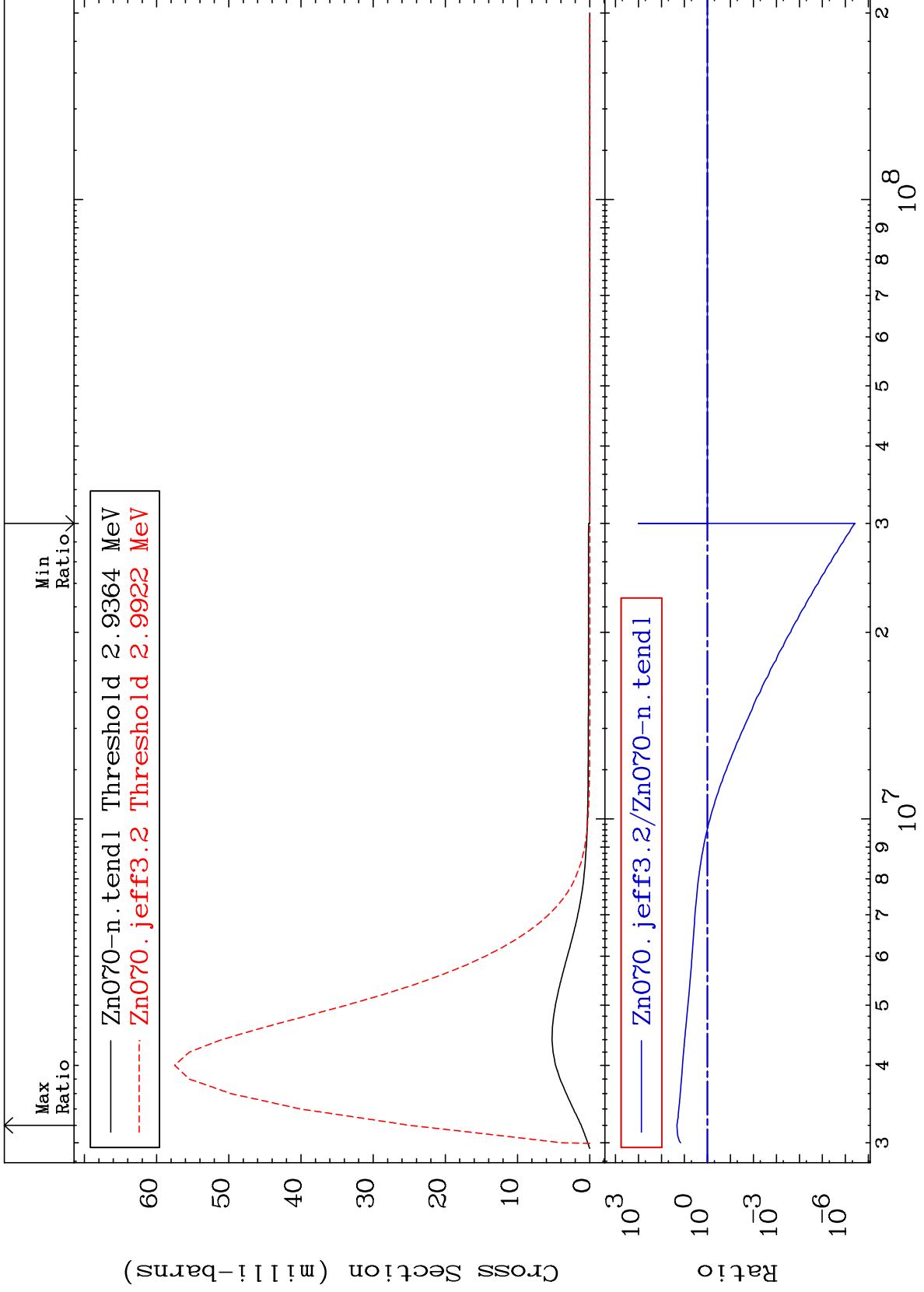
Incident Energy (eV)

30-Zn-70

MAT 3043

2.895 MeV (n,n') Level  
Cross Section

30-Zn-70  
-100.0 To 2020. %

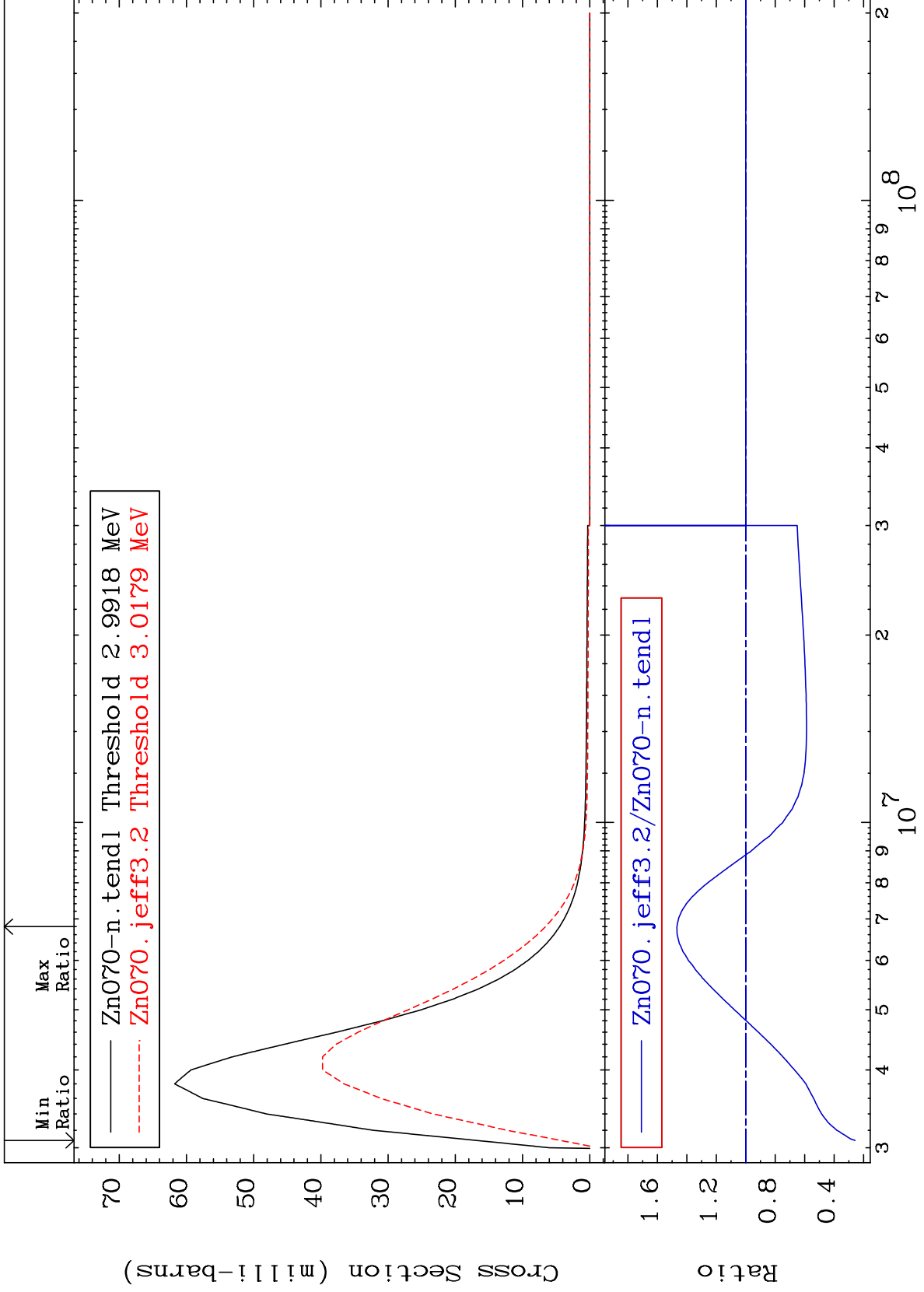




MAT 3043

2.949 MeV (n,n') Level  
Cross Section

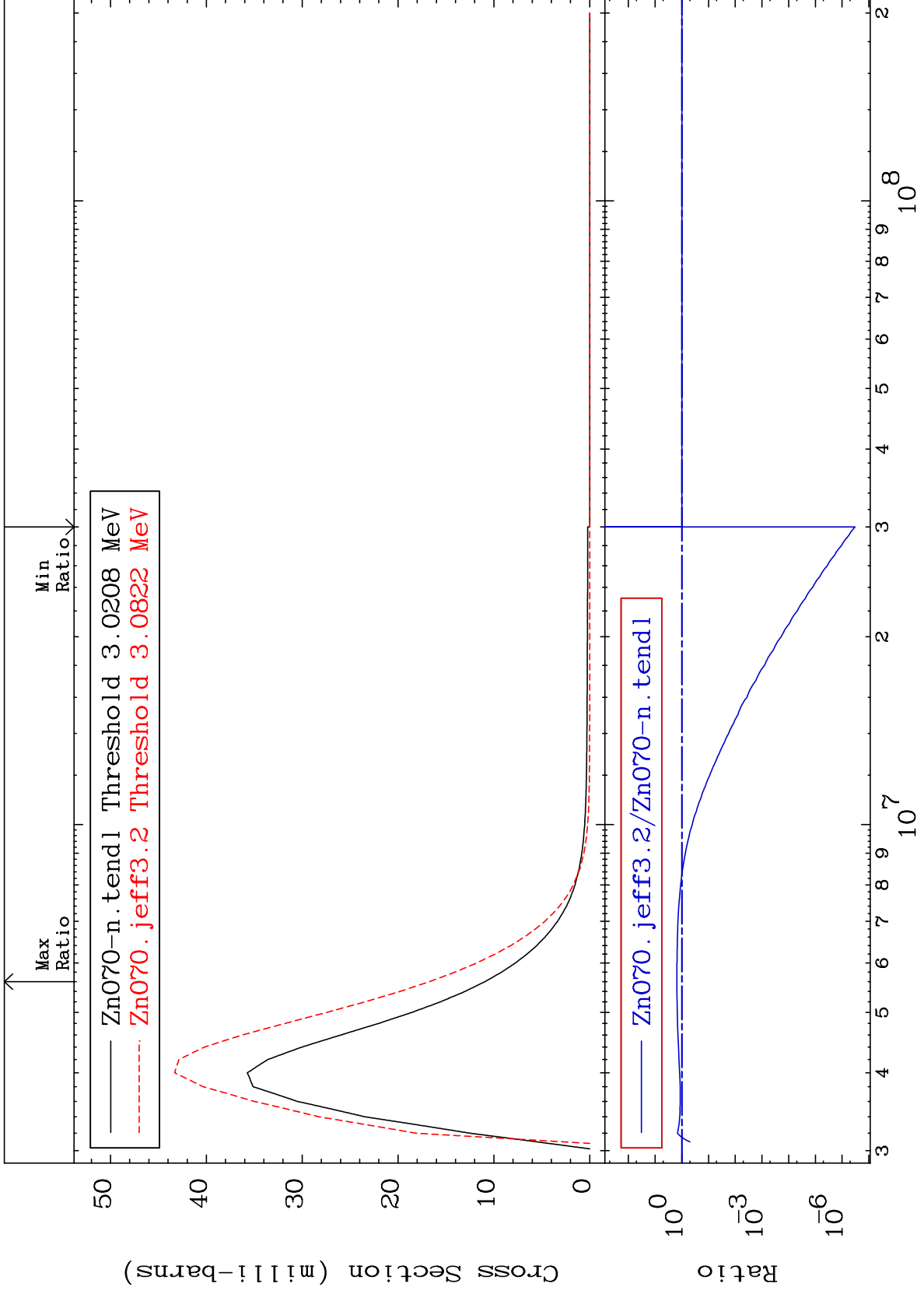
30-Zn-70  
-74.17 To 46.72 %



MAT 3043

2.978 MeV (n,n') Level  
Cross Section

30-Zn-70  
-100.0 To 52.93 %



34

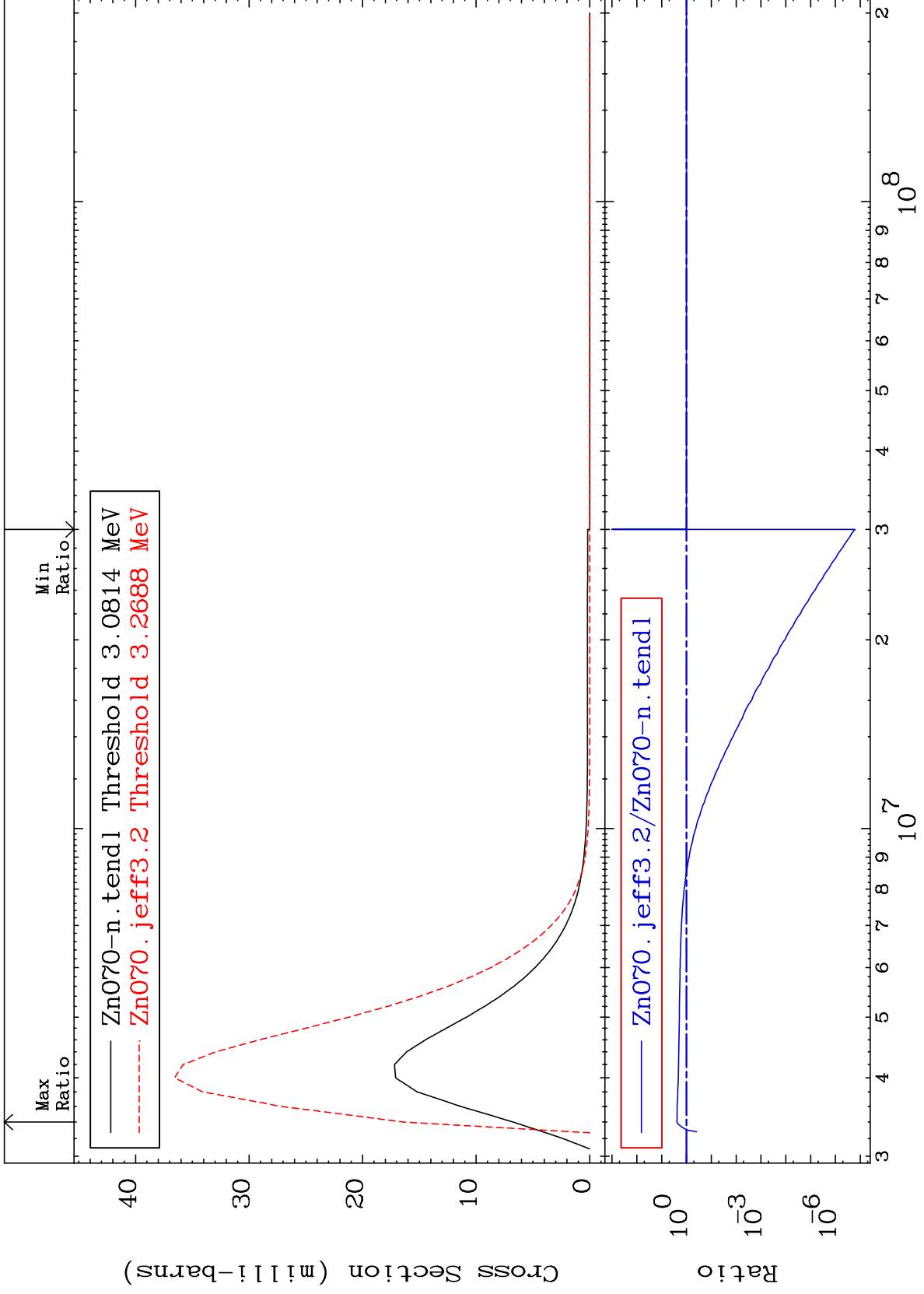
Incident Energy (eV)

30-Zn-70

MAT 3043

3.038 MeV (n,n') Level  
Cross Section

30-Zn-70  
-100.0 To 143.1 %



35

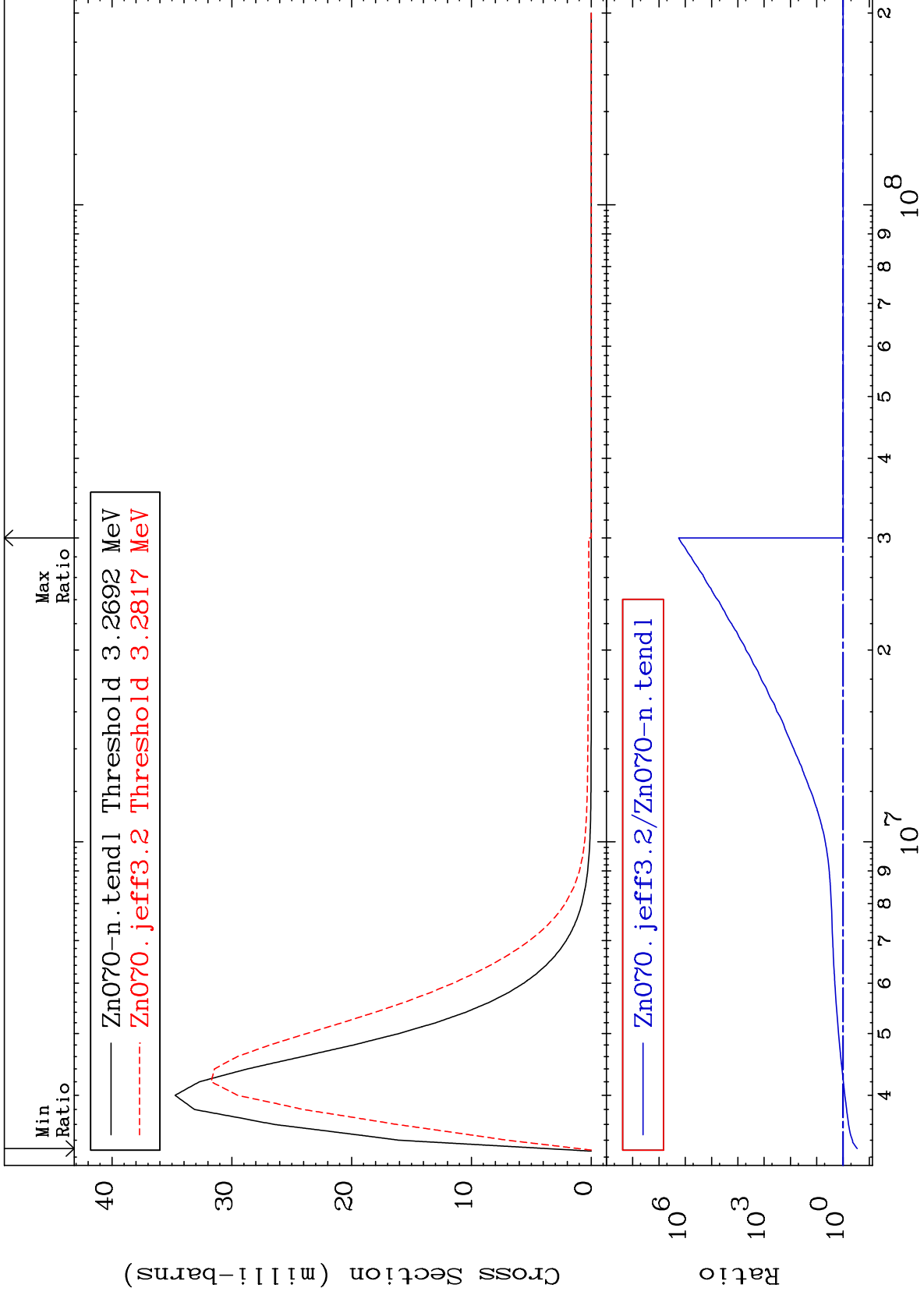
Incident Energy (eV)

30-Zn-70

MAT 3043

3.223 MeV (n,n') Level  
Cross Section

30-Zn-70  
-71.27 To 9999. %

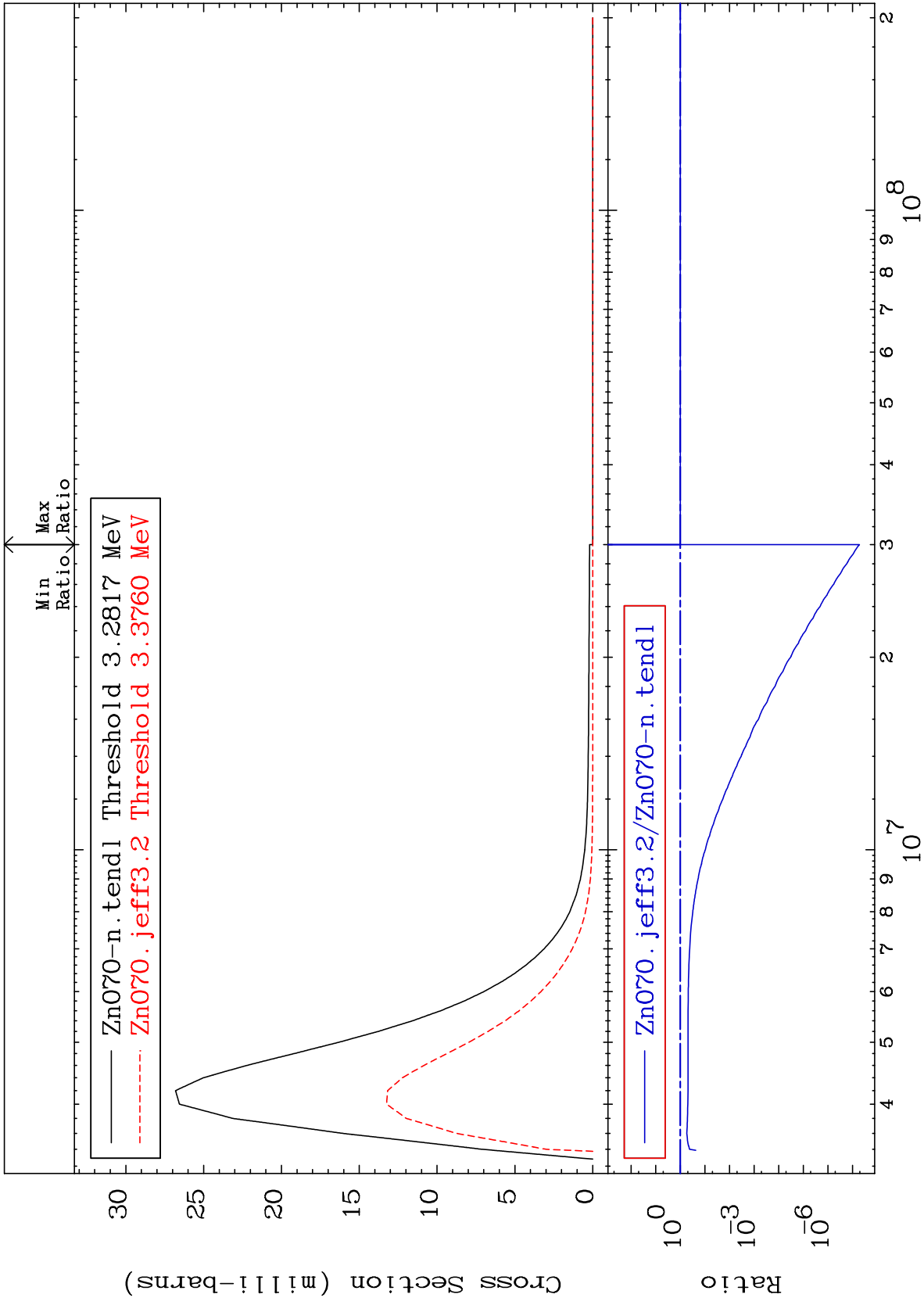


MAT 3043

3.235 MeV (n,n') Level

30-Zn-70

-100.0 To 0.000 %



37

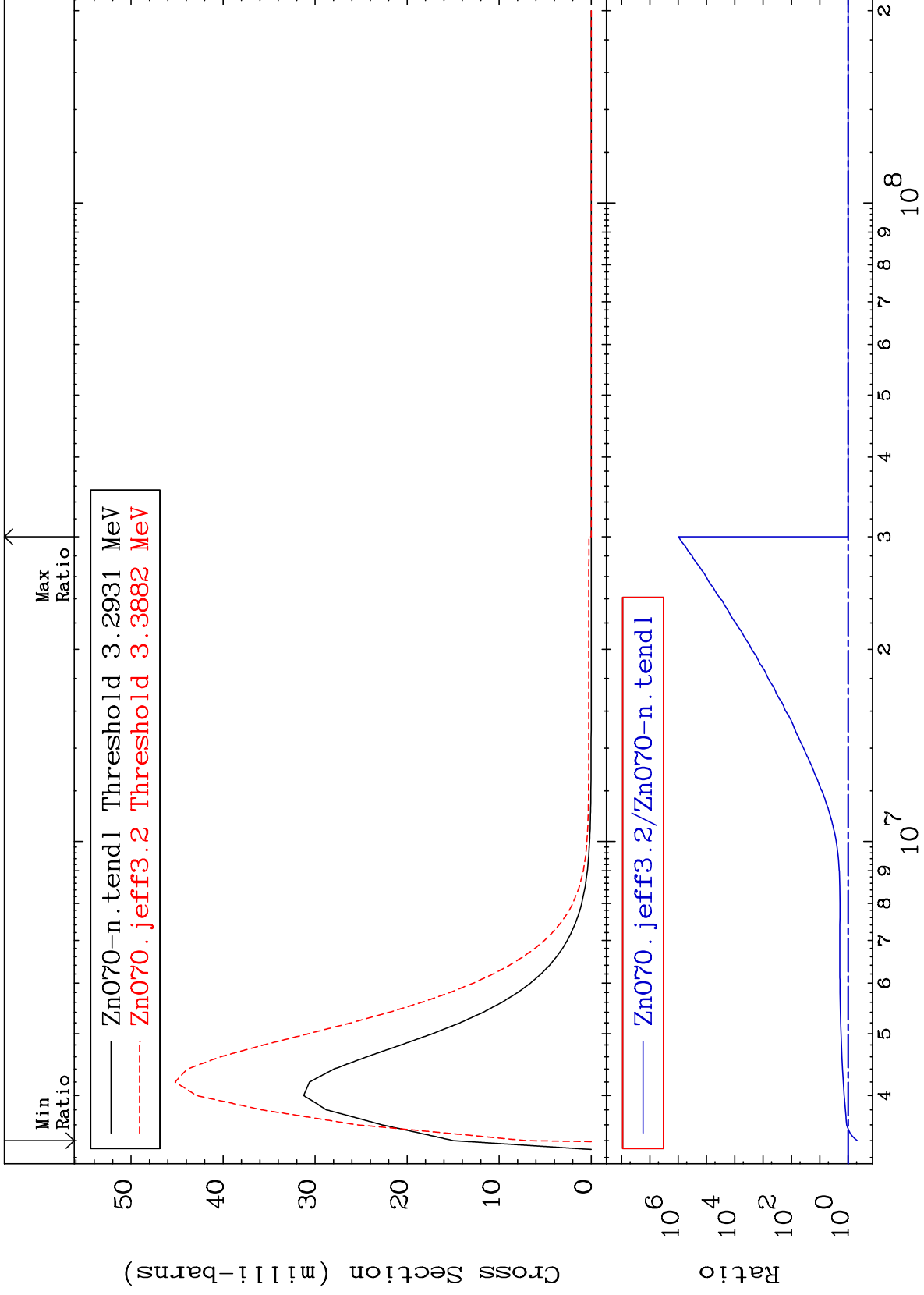
Incident Energy (eV)

30-Zn-70

MAT 3043

3.246 MeV (n,n') Level  
Cross Section

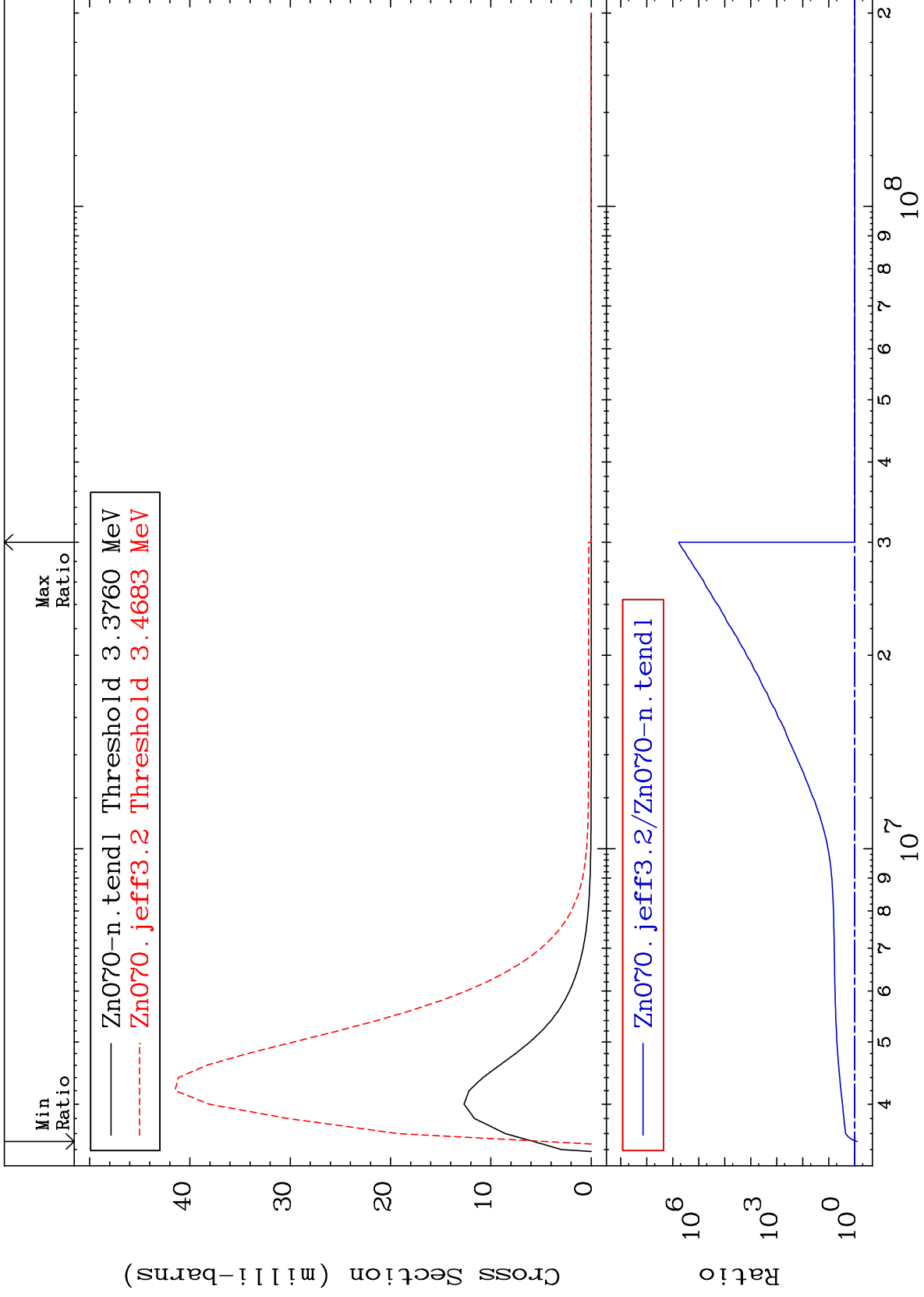
30-Zn-70  
-52.61 To 9999. %



MAT 3043

3.328 MeV (n,n') Level  
Cross Section

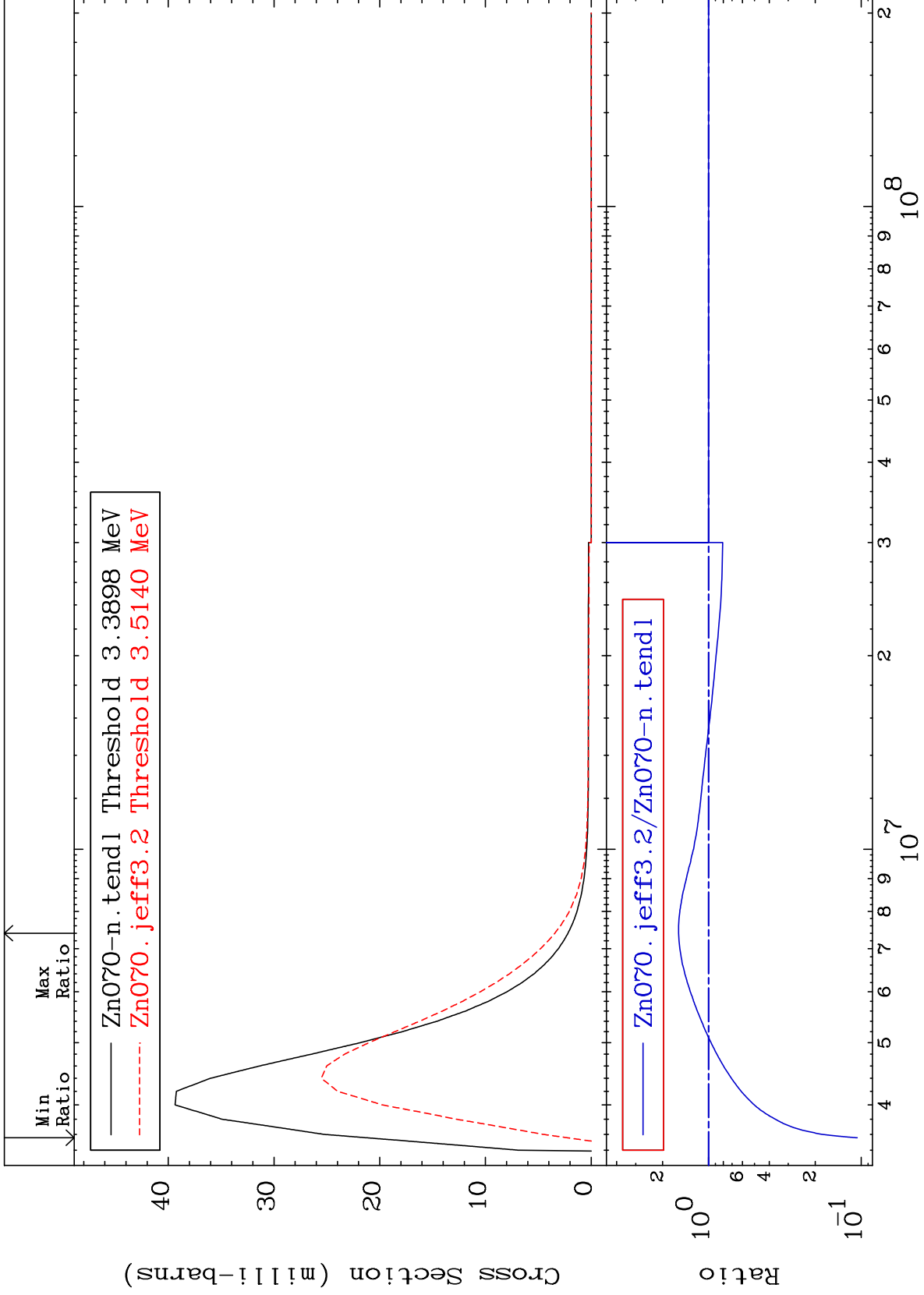
30-Zn-70  
-19.46 To 9999. %



MAT 3043

3.342 MeV (n,n') Level  
Cross Section

30-Zn-70  
-89.40 To 56.90 %



40

Incident Energy (eV)

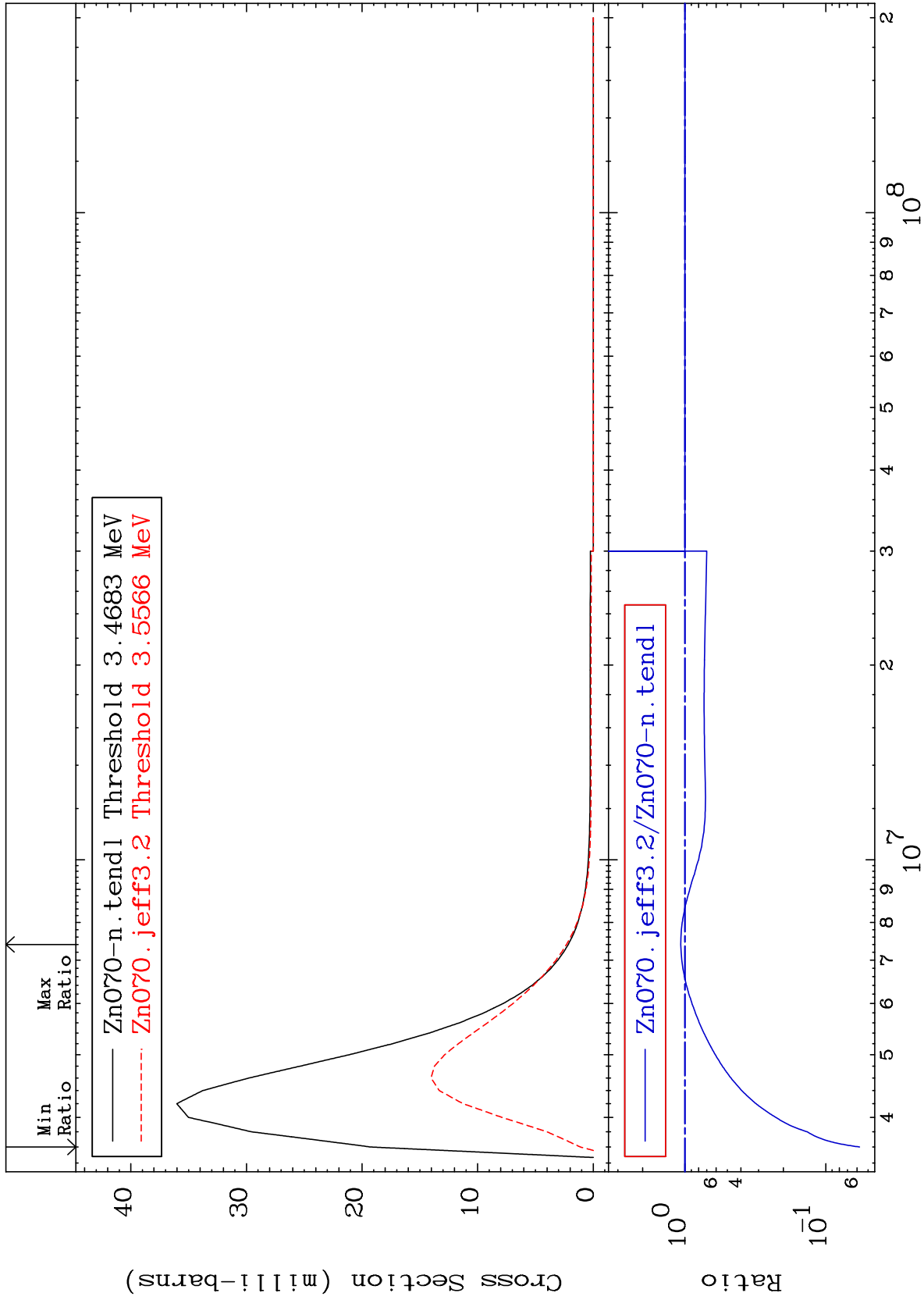
30-Zn-70



MAT 3043

3.419 MeV (n,n') Level  
Cross Section

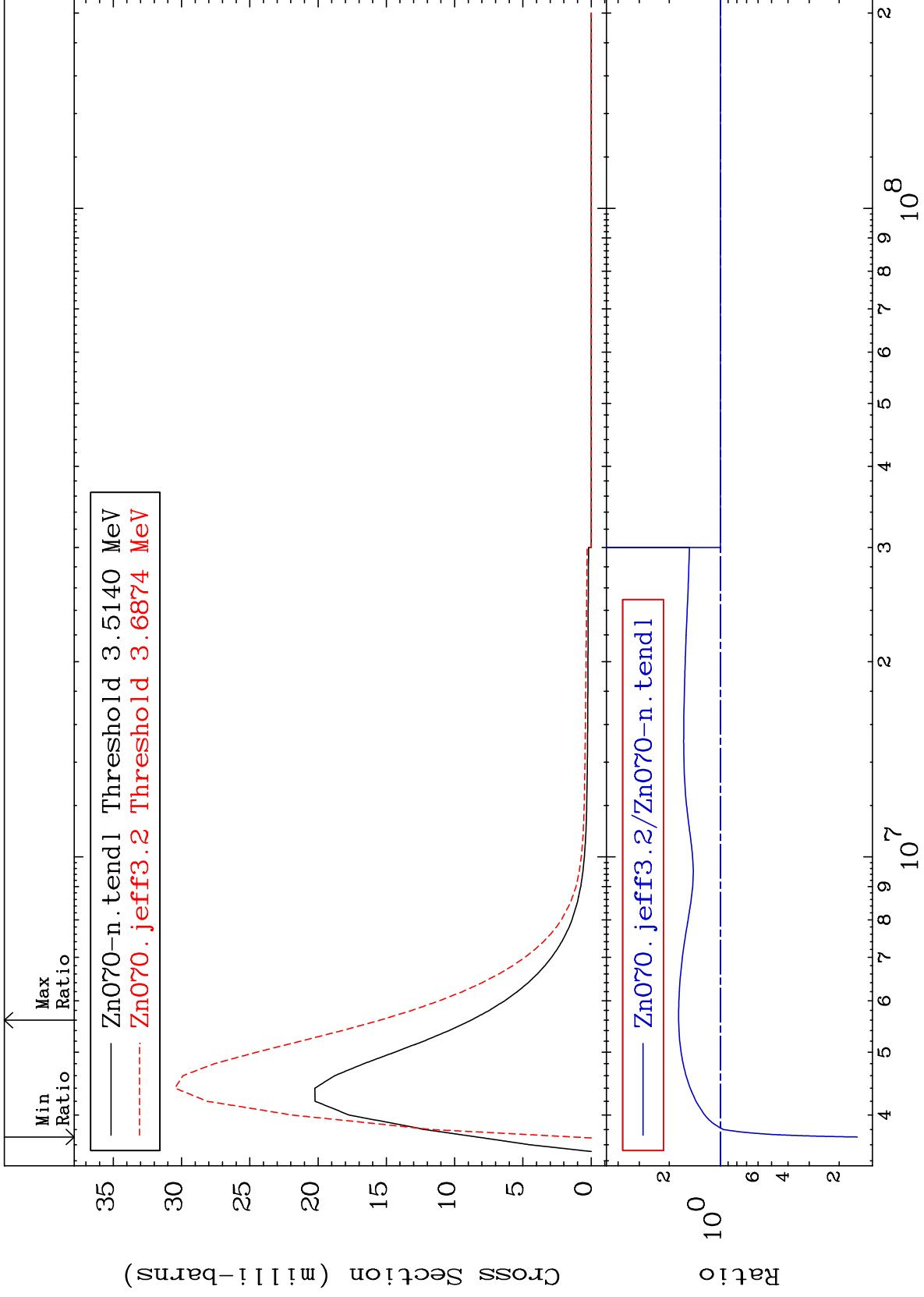
30-Zn-70  
-94.25 To 7.075 %



MAT 3043

3.464 MeV (n,n') Level  
Cross Section

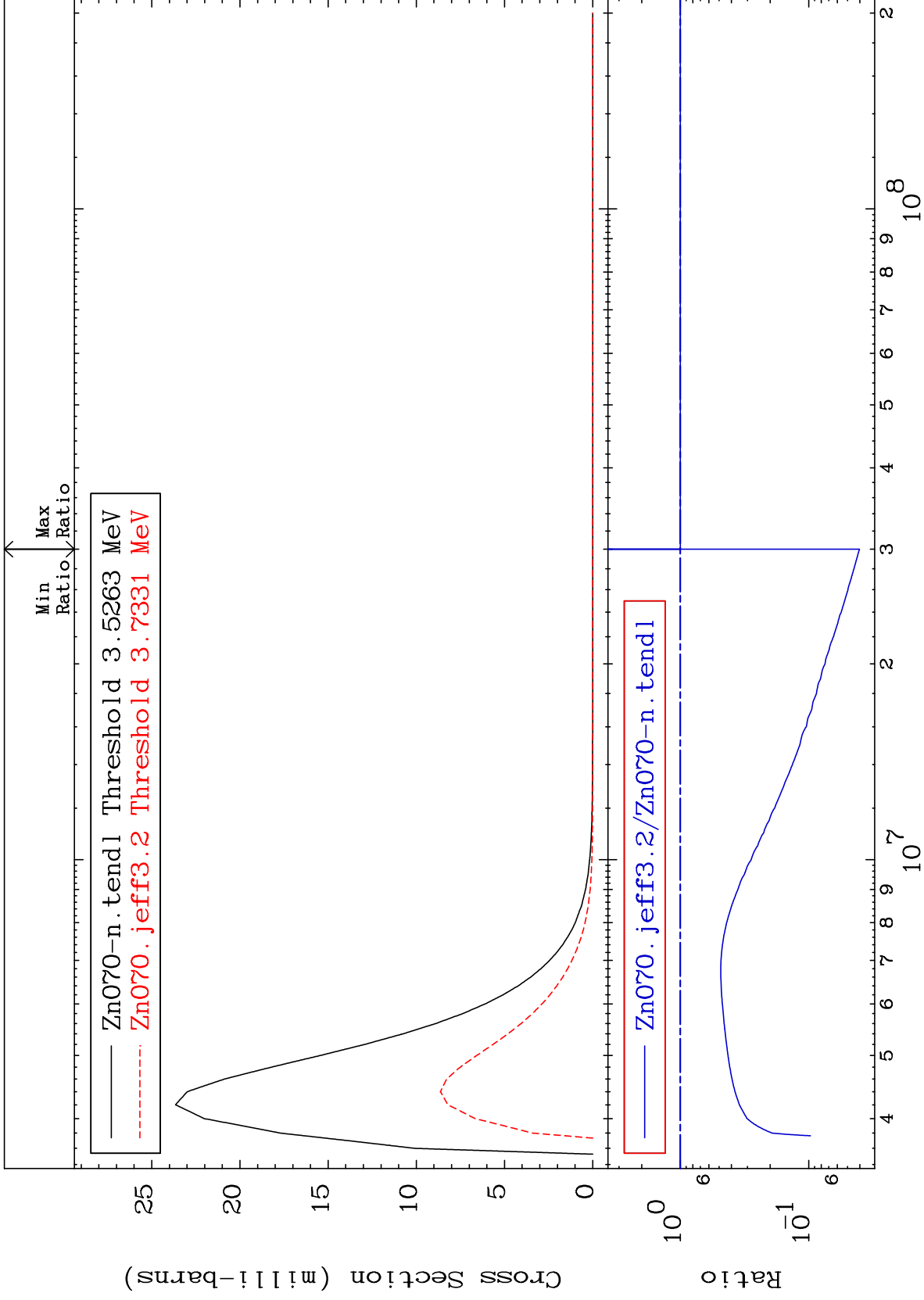
30-Zn-70  
-84.34 To 75.95 %



MAT 3043

3.476 MeV (n,n') Level  
Cross Section

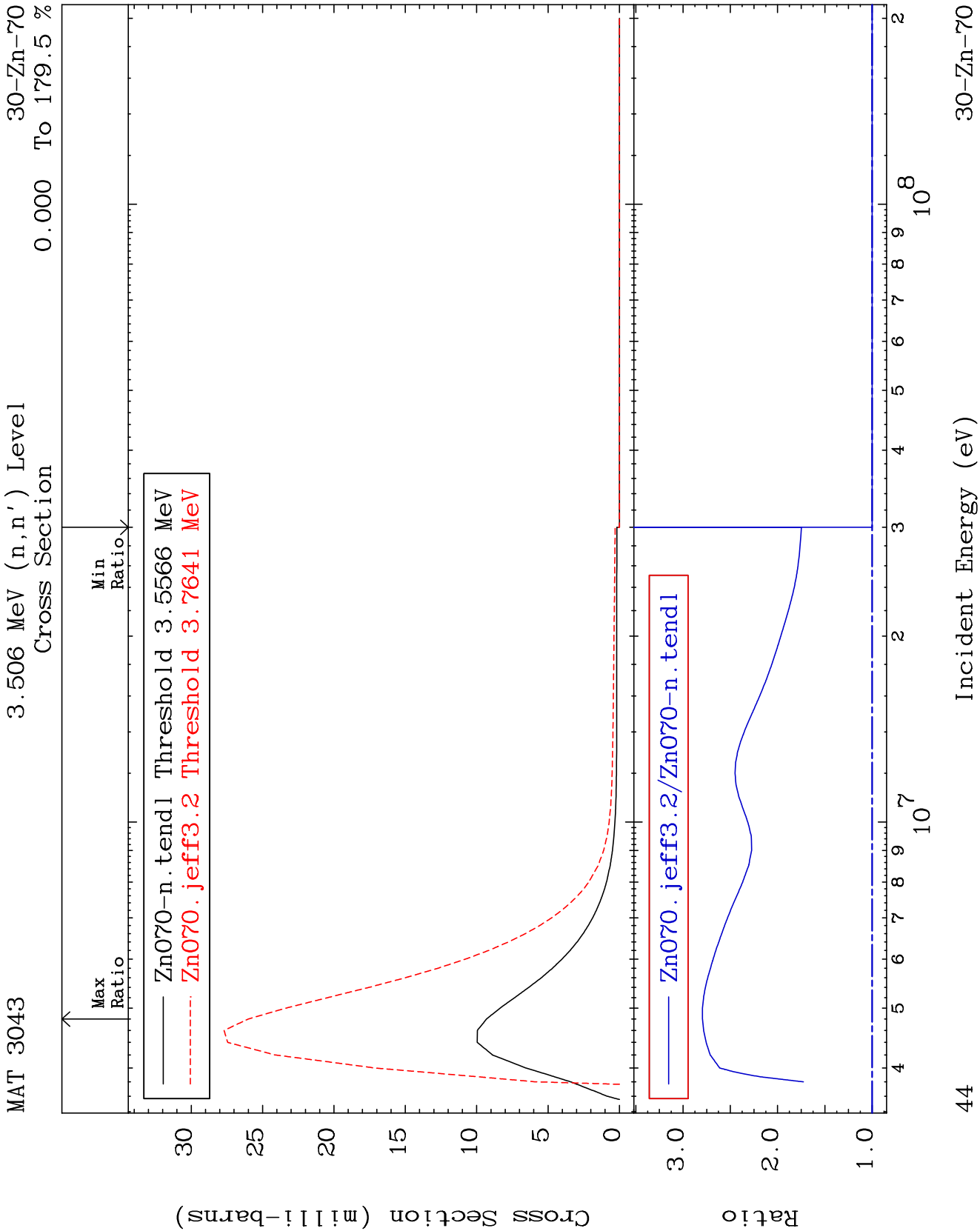
30-Zn-70  
-95.97 To 0.000 %



43

Incident Energy (eV)

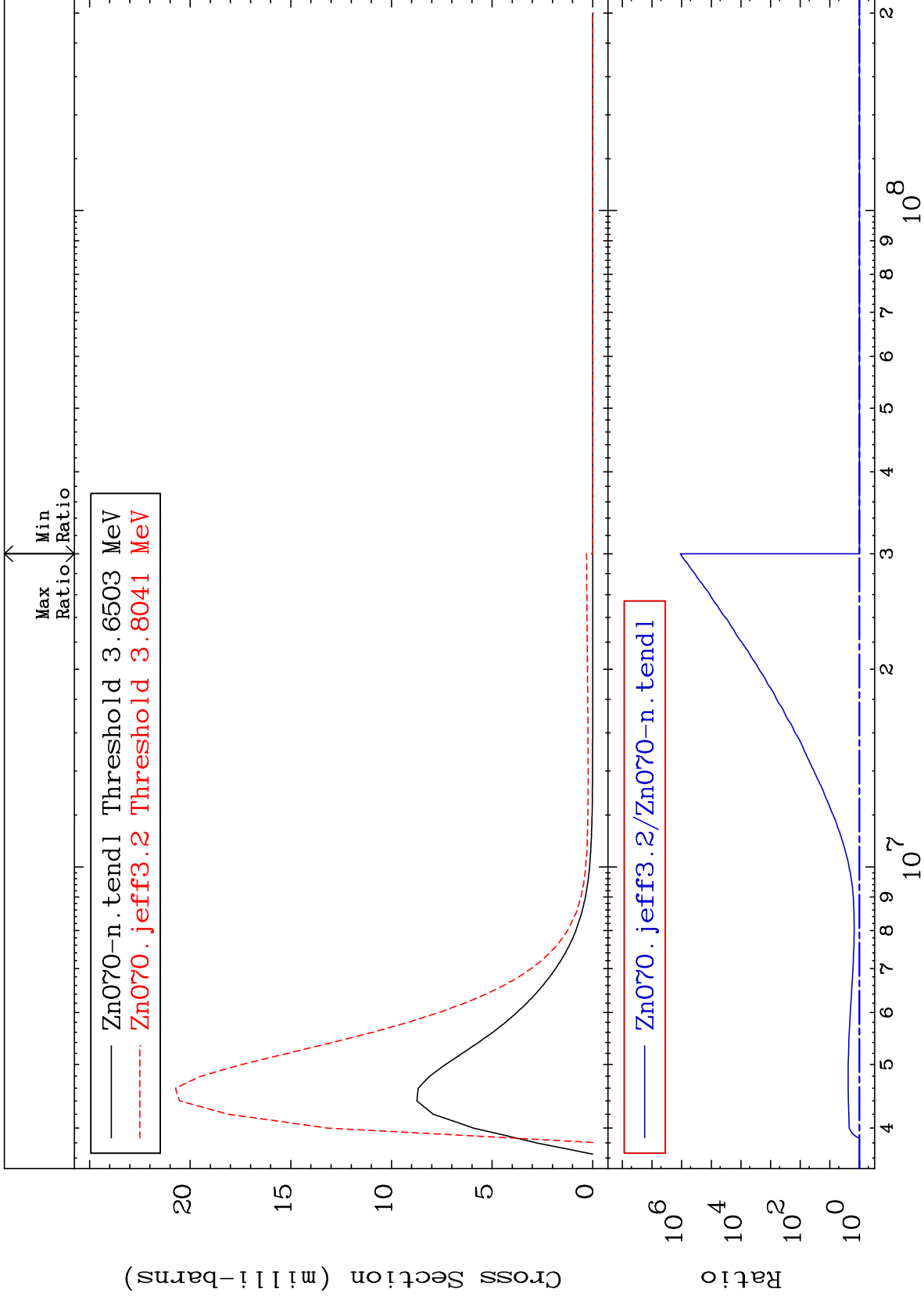
30-Zn-70



MAT 3043

3.598 MeV (n,n') Level  
Cross Section

0.000 To 9999. %  
30-Zn-70



45

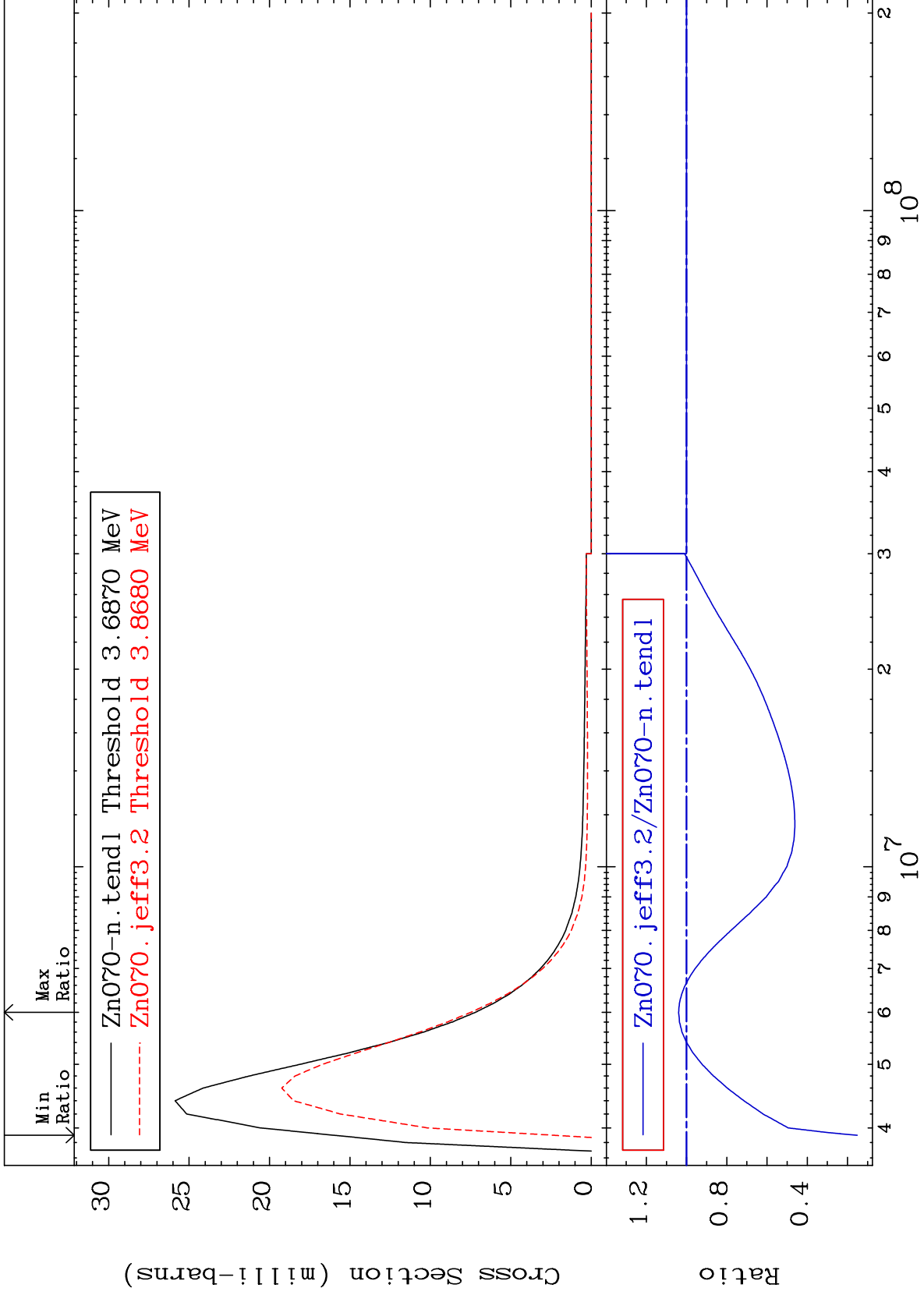
Incident Energy (eV)

30-Zn-70

MAT 3043

3.635 MeV (n,n') Level  
Cross Section

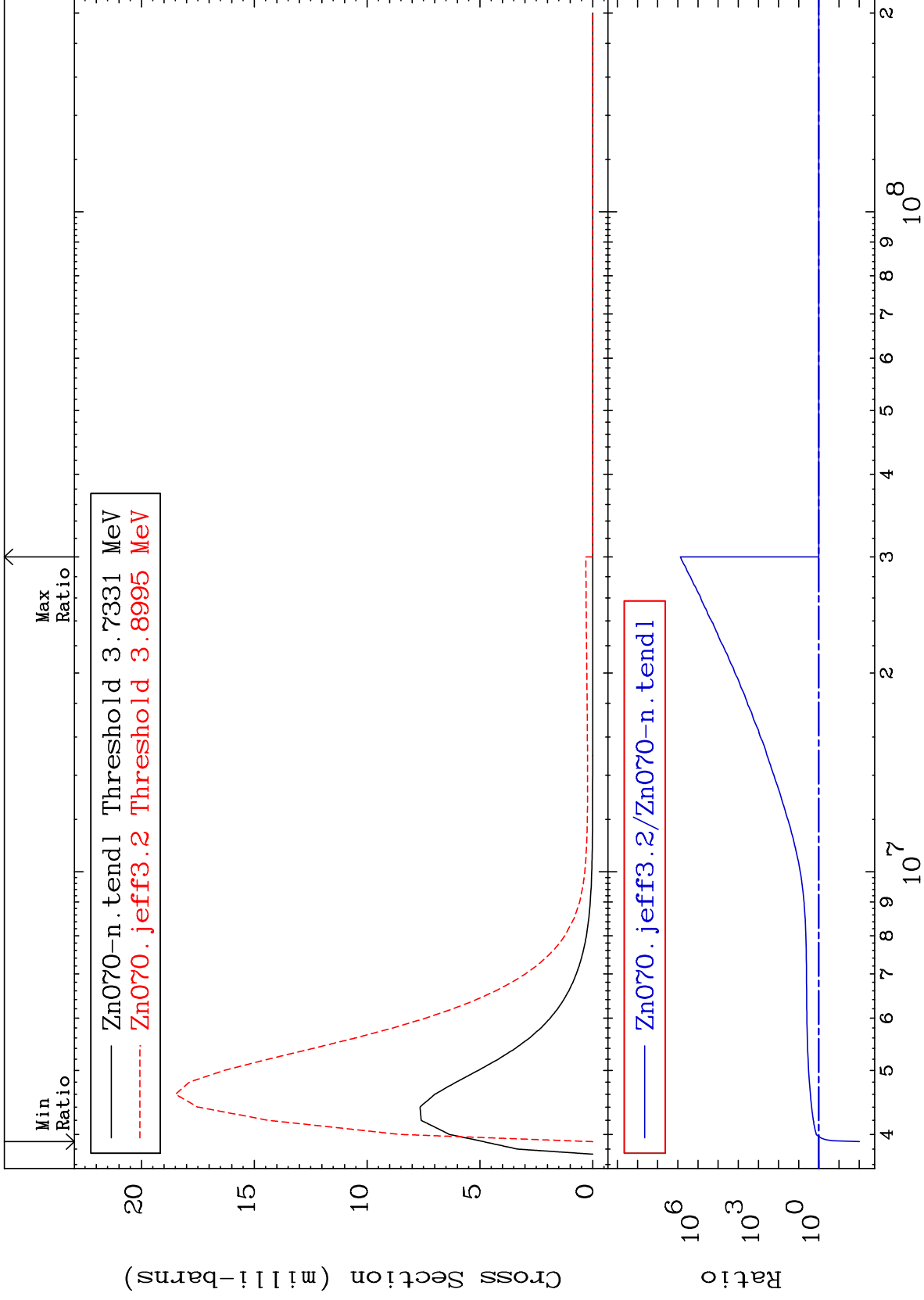
30-Zn-70  
-84.85 To 3.933 %



MAT 3043

3.680 MeV (n,n') Level  
Cross Section

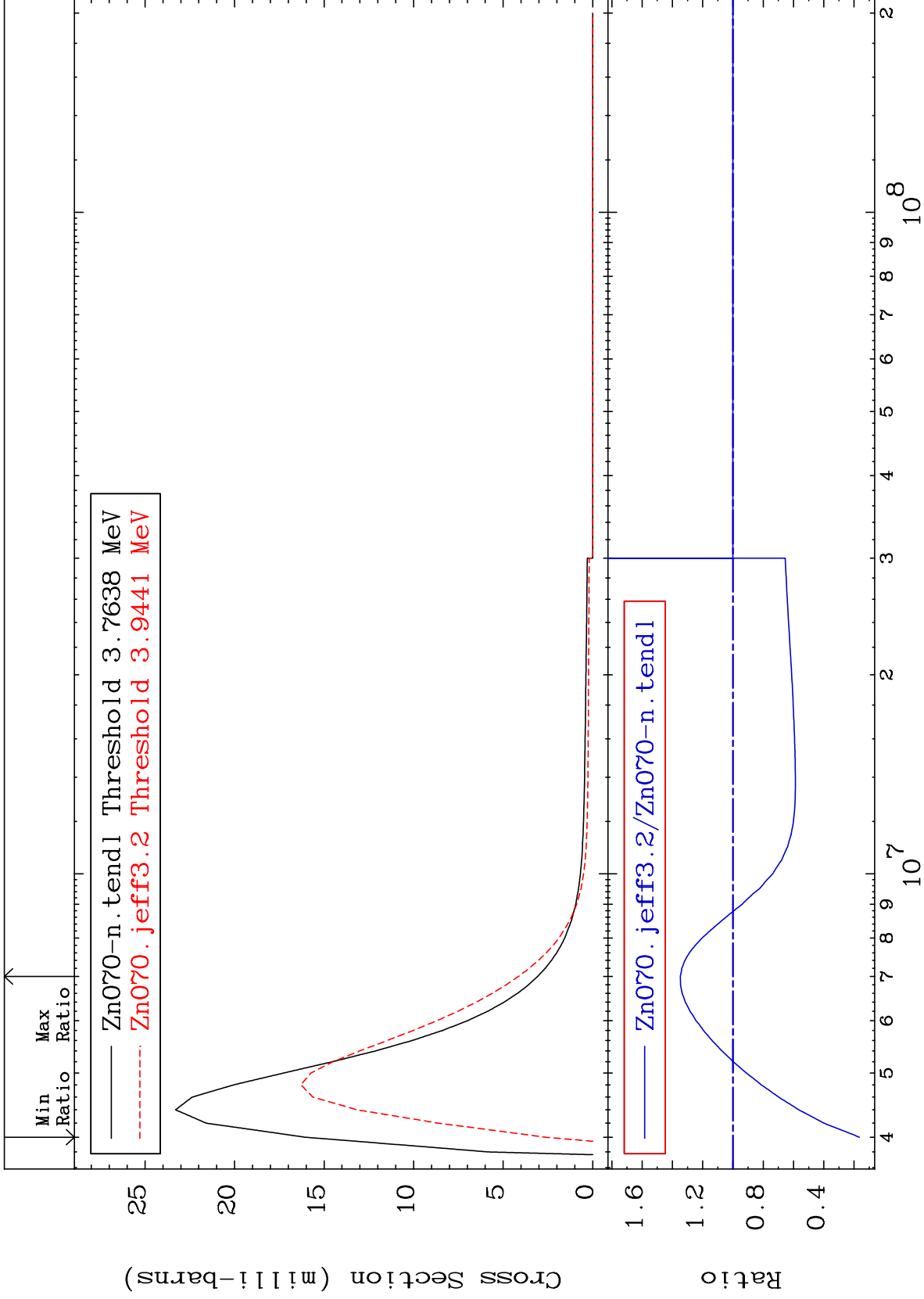
30-Zn-70  
-99.03 To 9999. %



MAT 3043

3.710 MeV (n,n') Level  
Cross Section

30-Zn-70  
-83.53 To 34.74 %

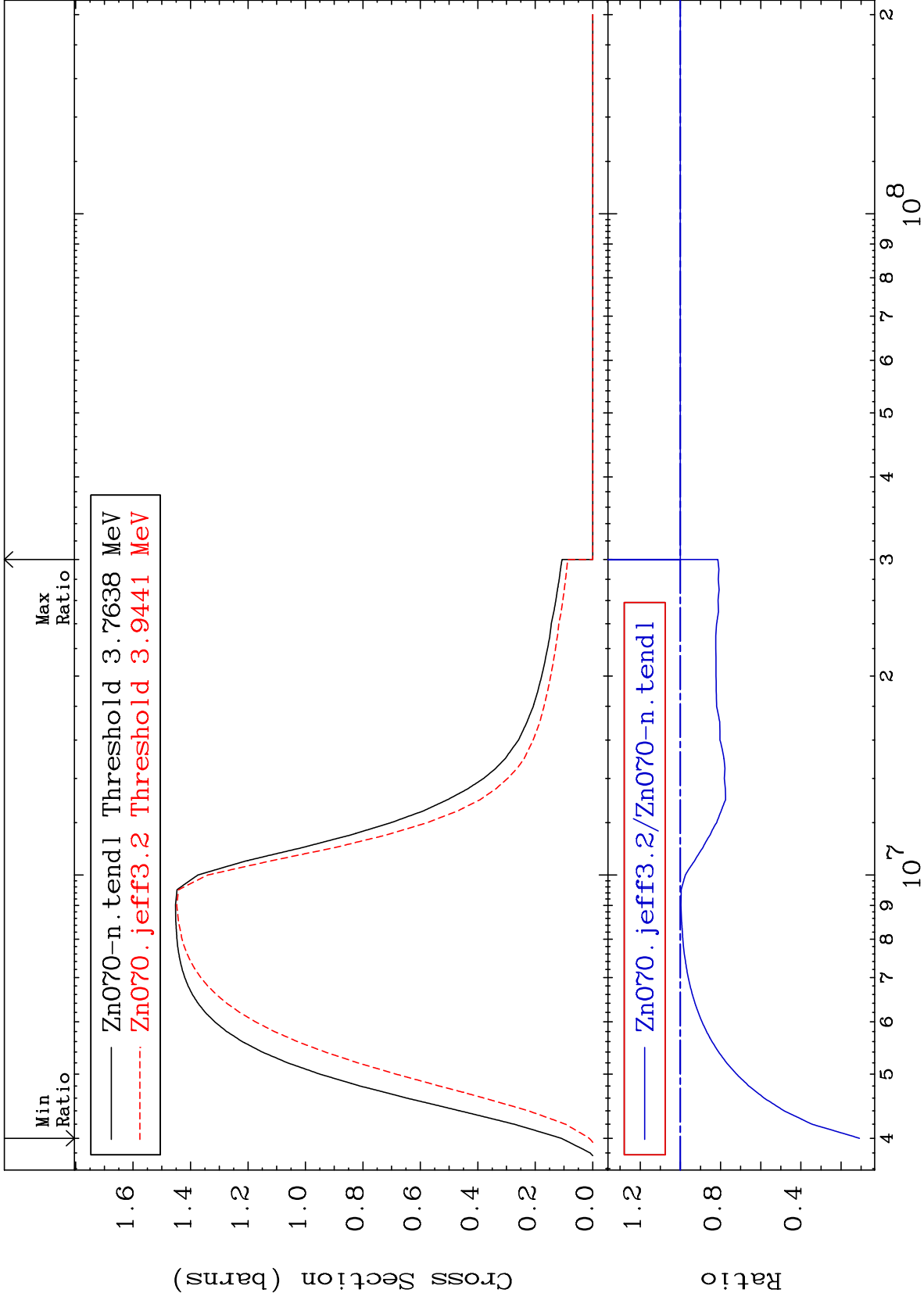




MAT 3043

(n, n') Continuum  
Cross Section

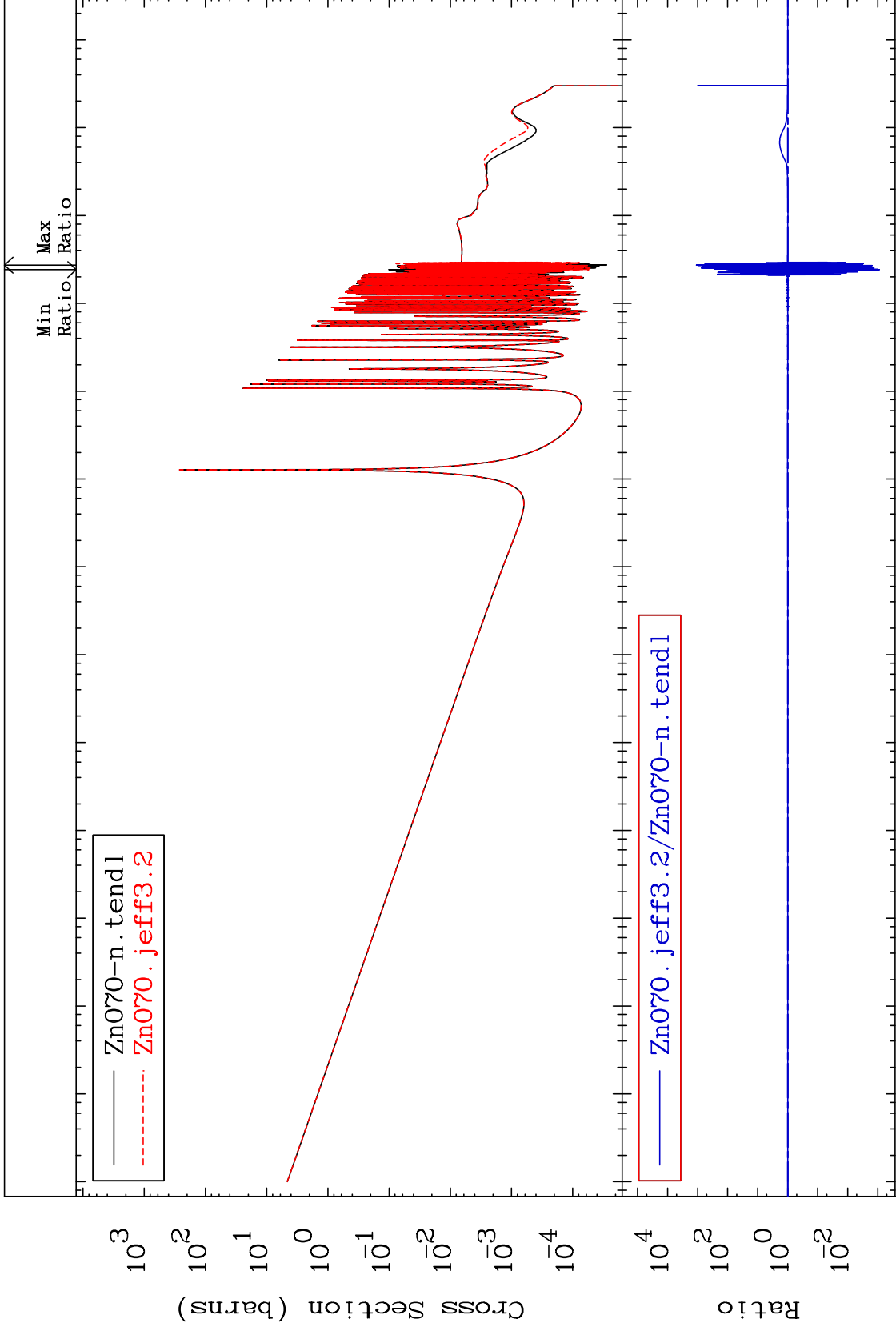
30-Zn-70  
-89.15 To 0.000 %



MAT 3043

(n,  $\gamma$ )  
Cross Section

30-Zn-70  
-99.91 To 9999. %



Incident Energy (eV)

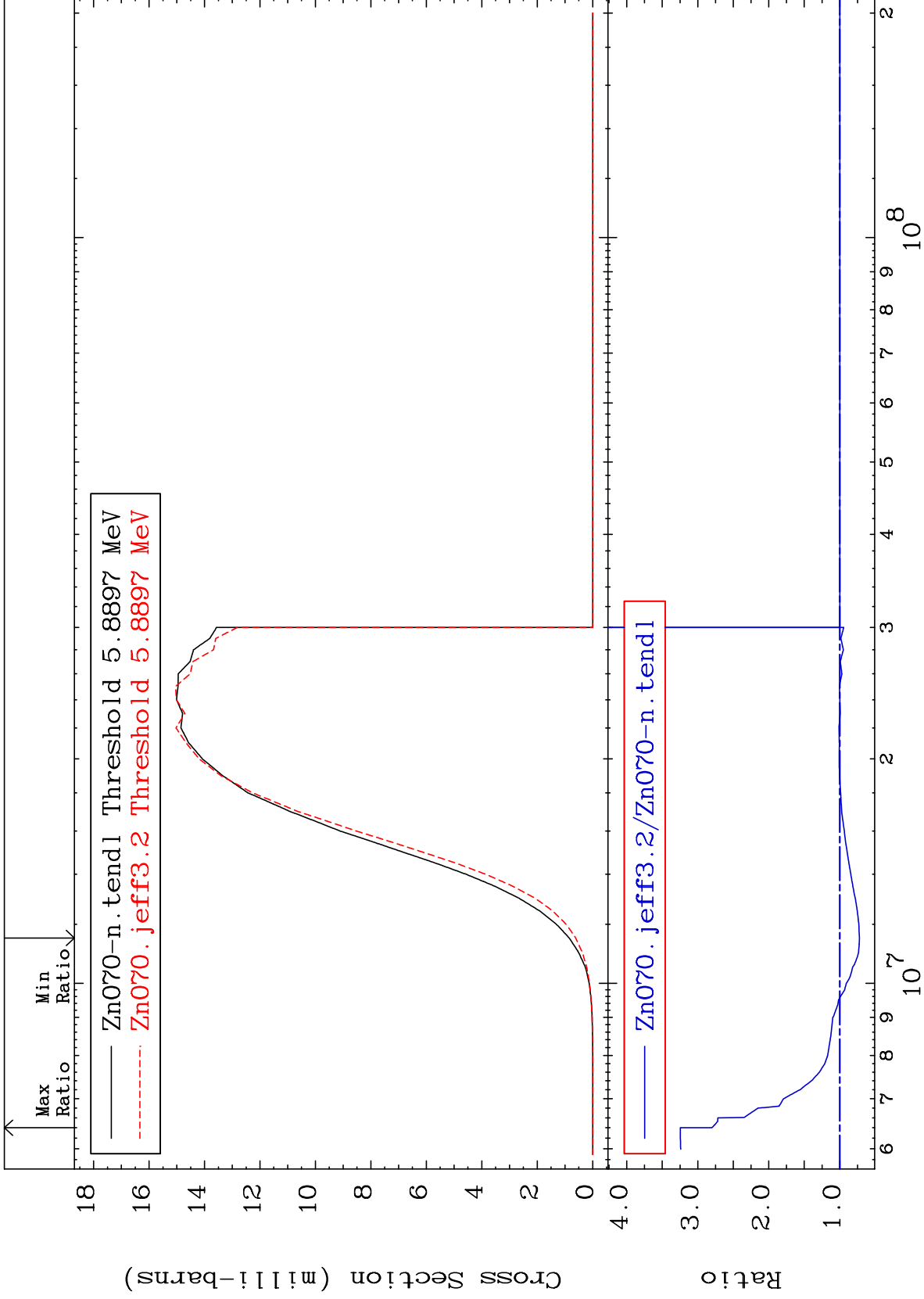
50

30-Zn-70

MAT 3043

(n,p)  
Cross Section

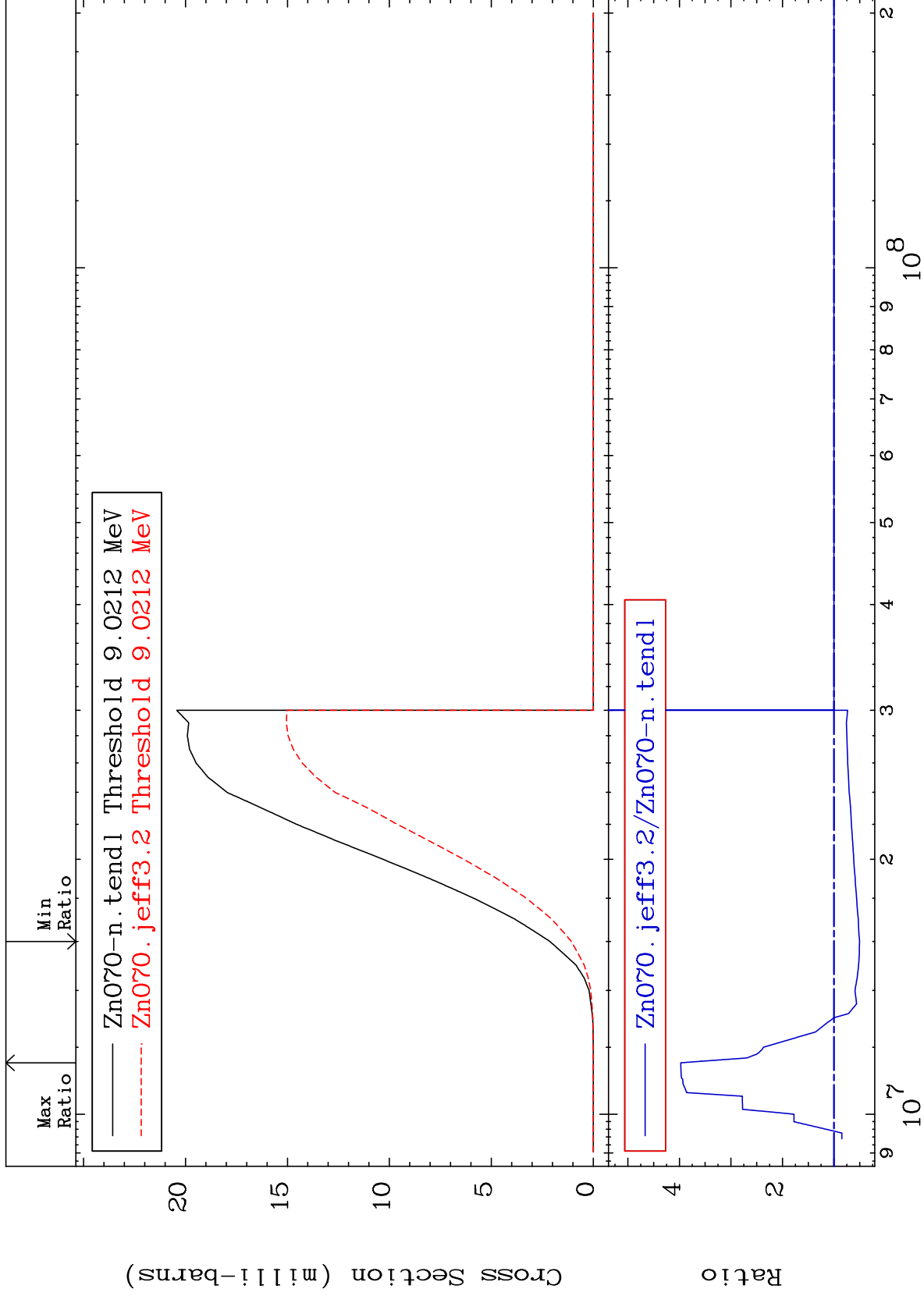
30-Zn-70  
-27.68 To 224.5 %

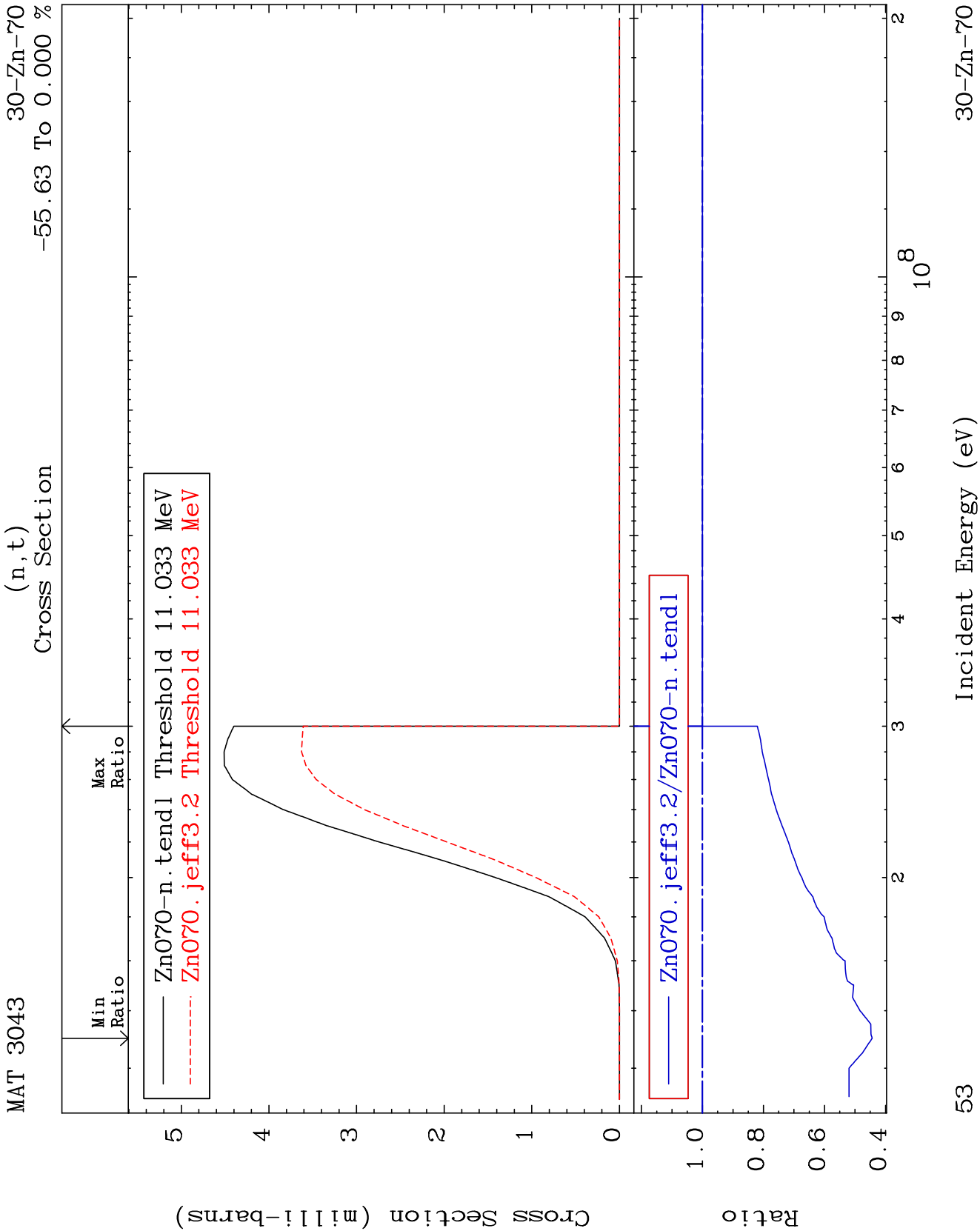


MAT 3043

(n, d)  
Cross Section

30-Zn-70  
-49.57 To 297.3 %





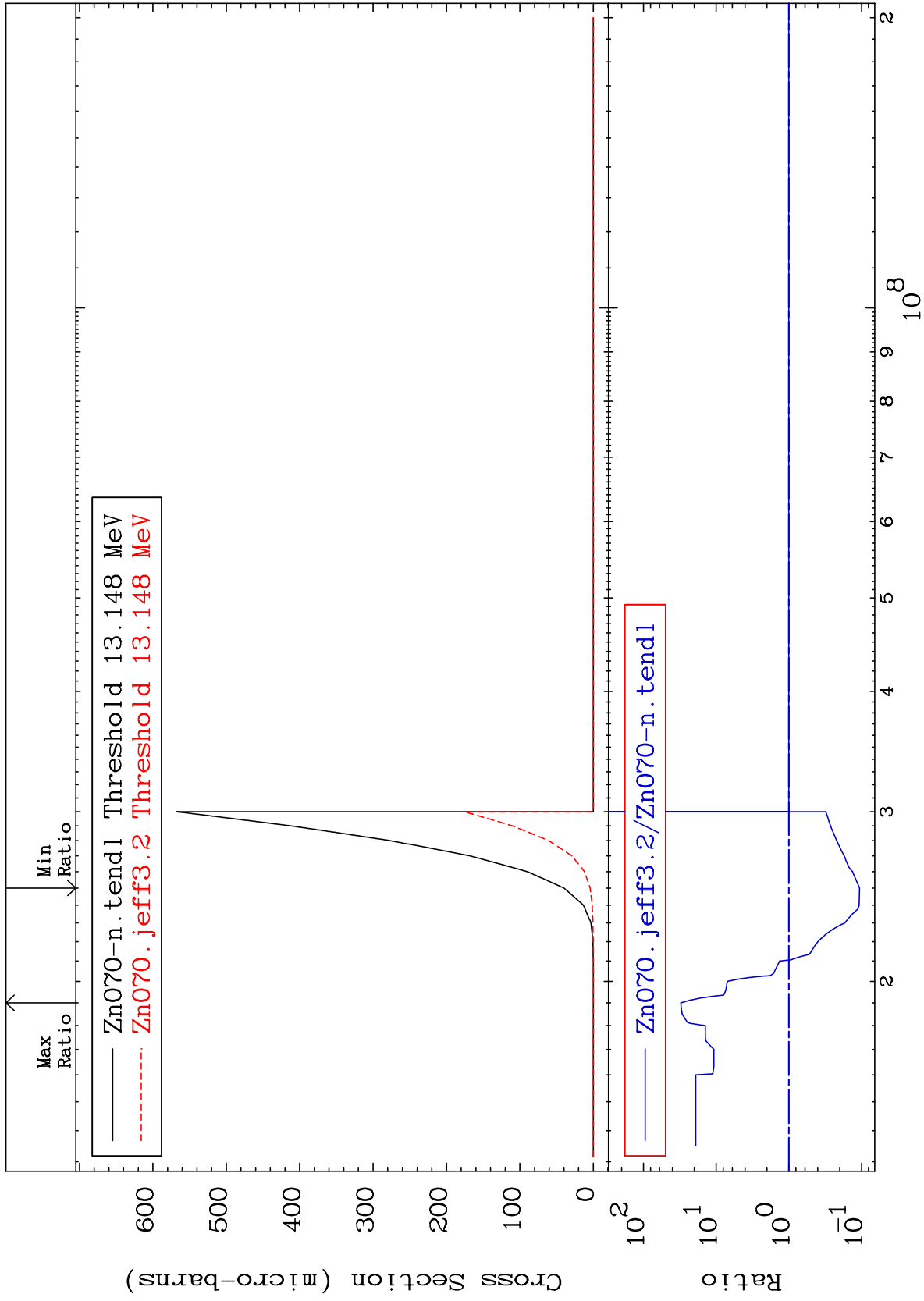
MAT 3043

(n, He-3)

30-Zn-70

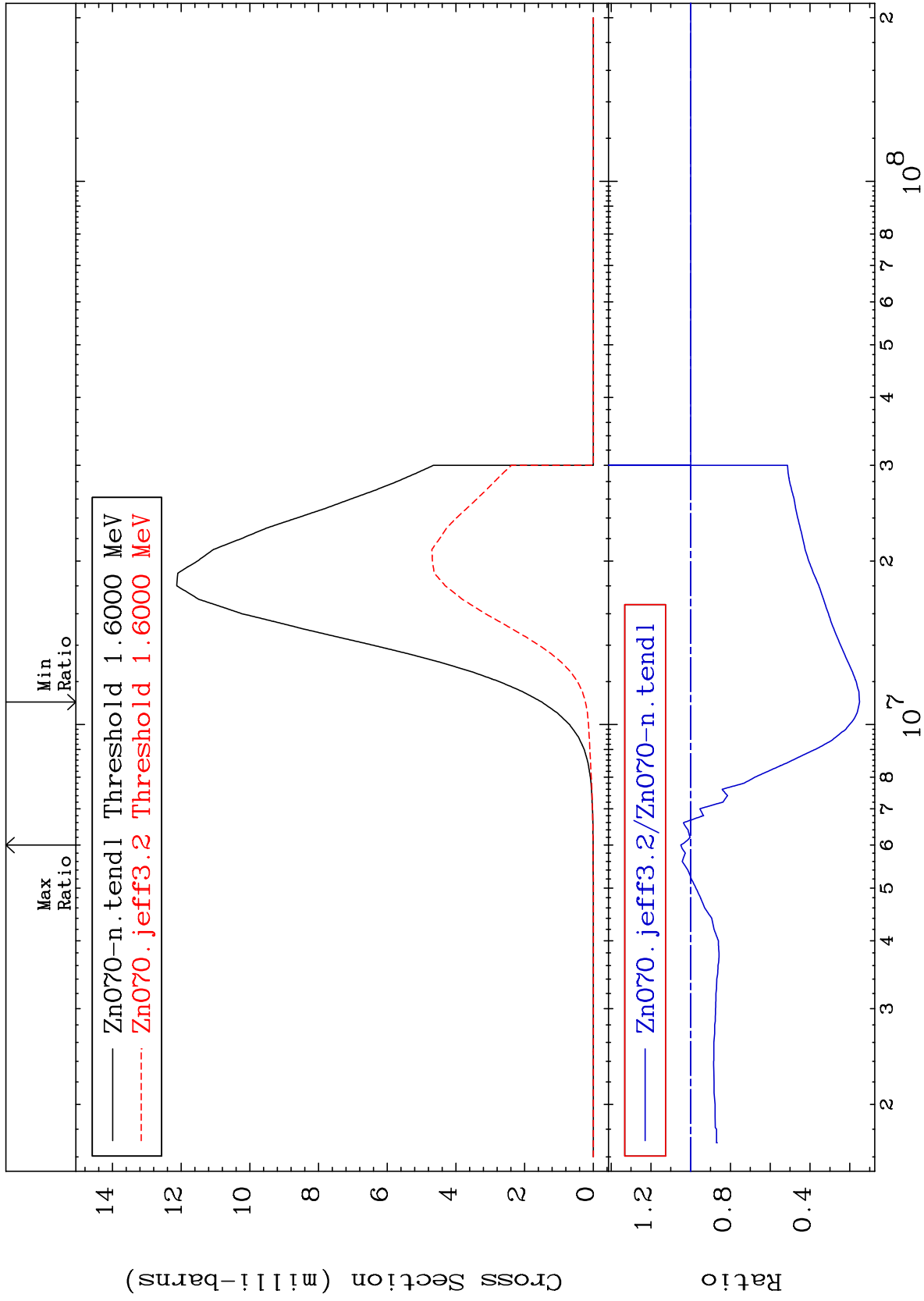
Cross Section

-89.35 To 2967. %



MAT 3043

(n,  $\alpha$ ) Cross Section  
30-Zn-70  
-84.92 To 4.992 %



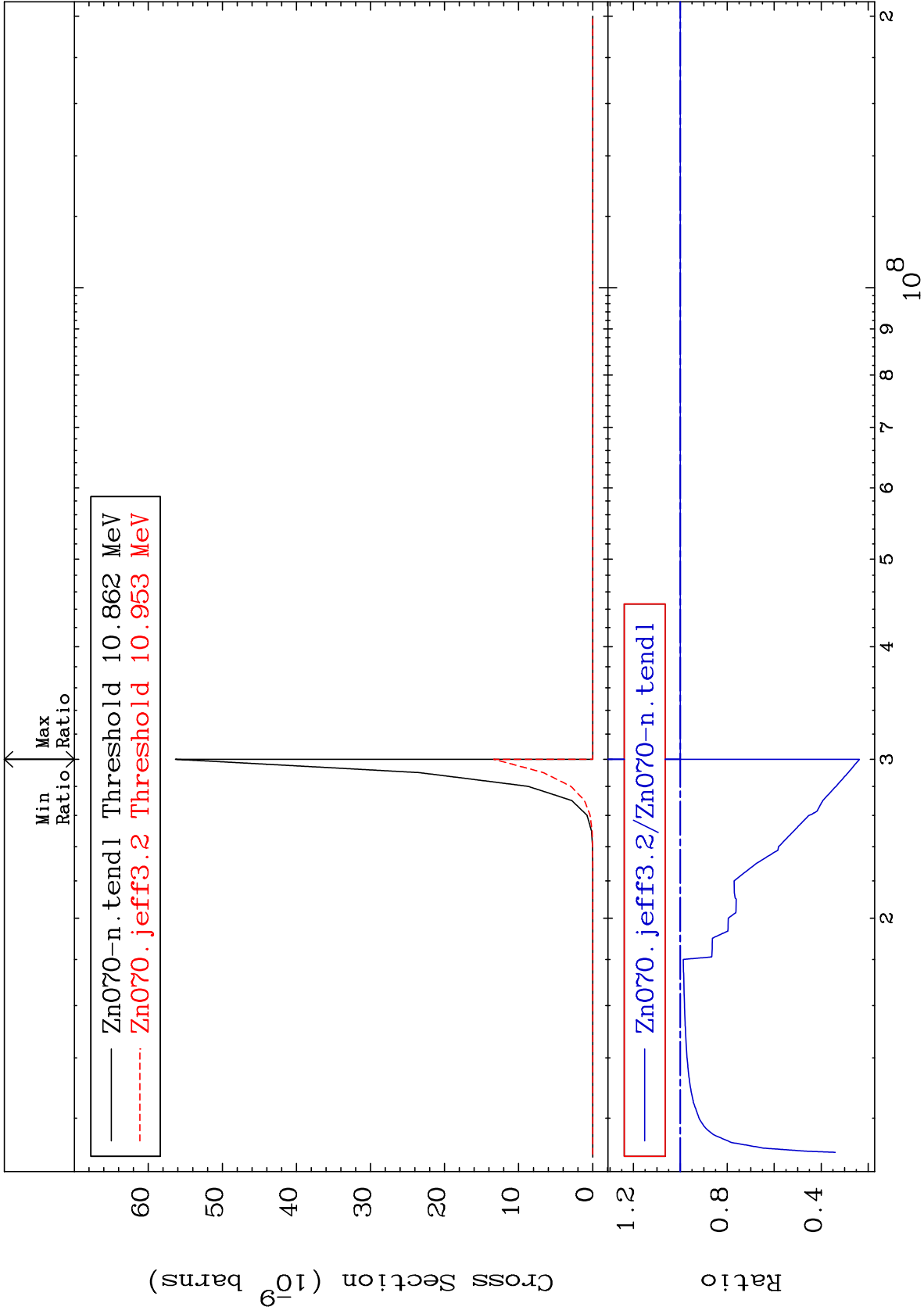
MAT 3043

(n,2α)

30-Zn-70

Cross Section

-76.30 To 0.000 %

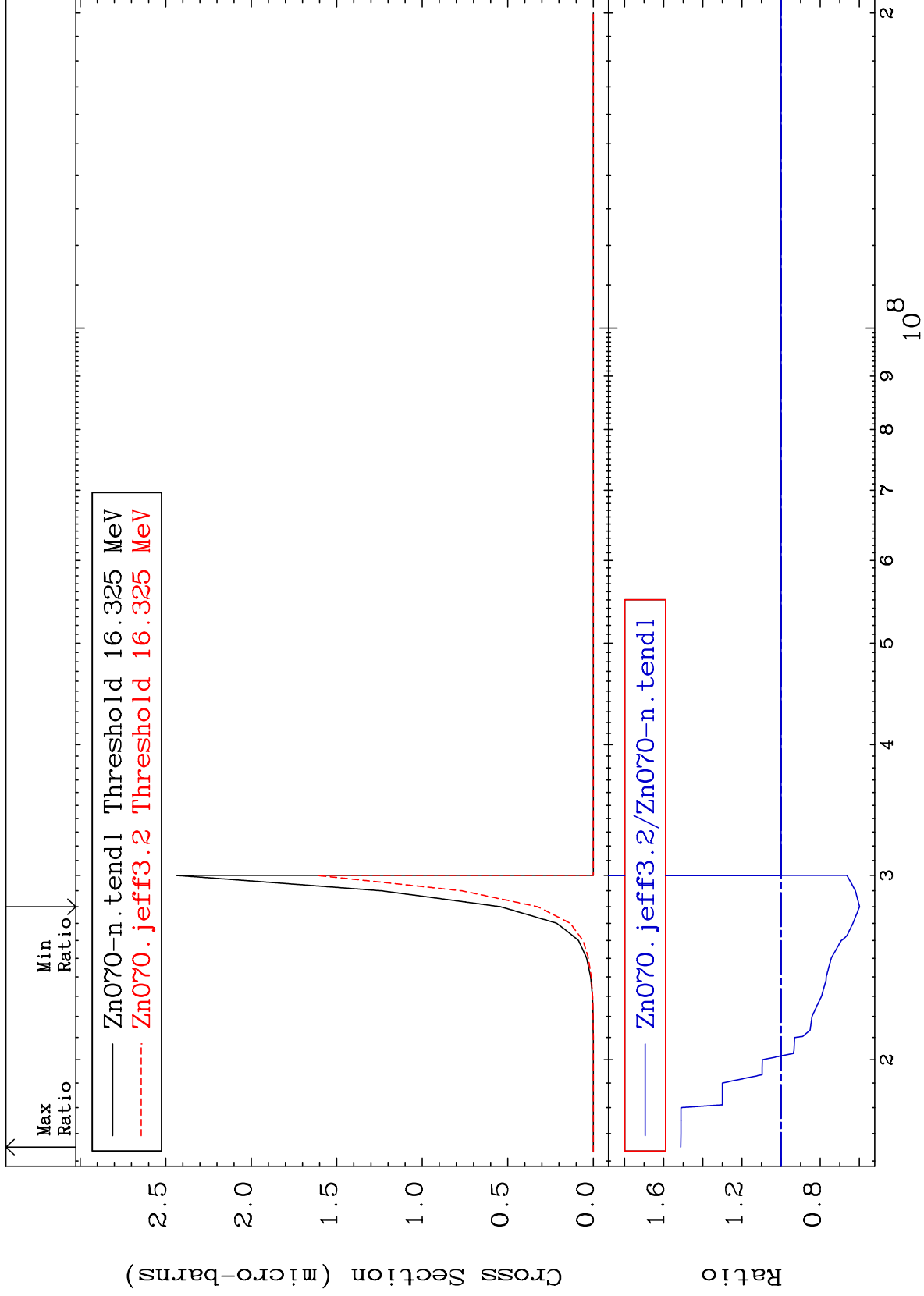




MAT 3043

(n,2p)  
Cross Section

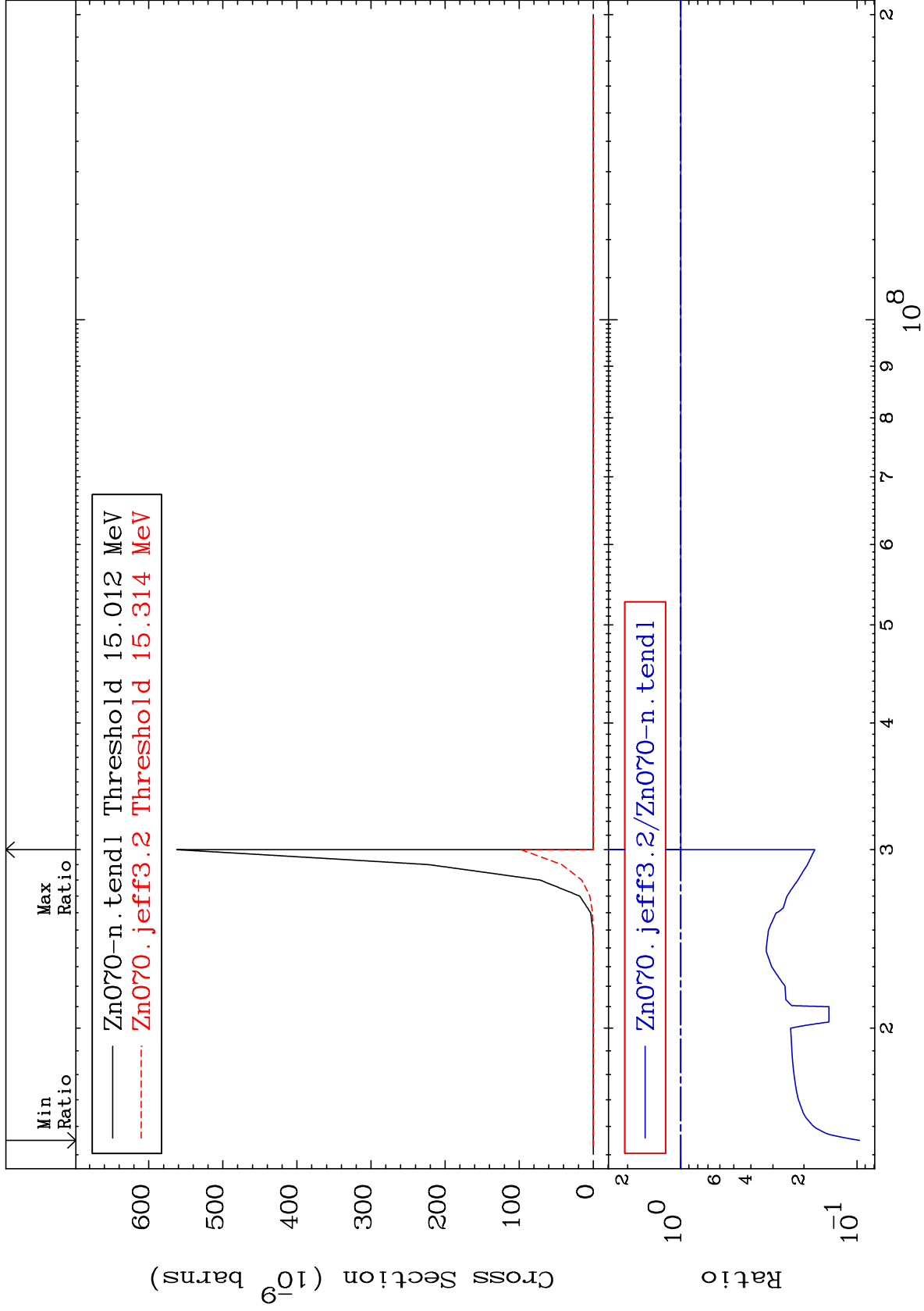
30-Zn-70  
-40.06 To 51.23 %



MAT 3043

(n, p)  $\alpha$   
Cross Section

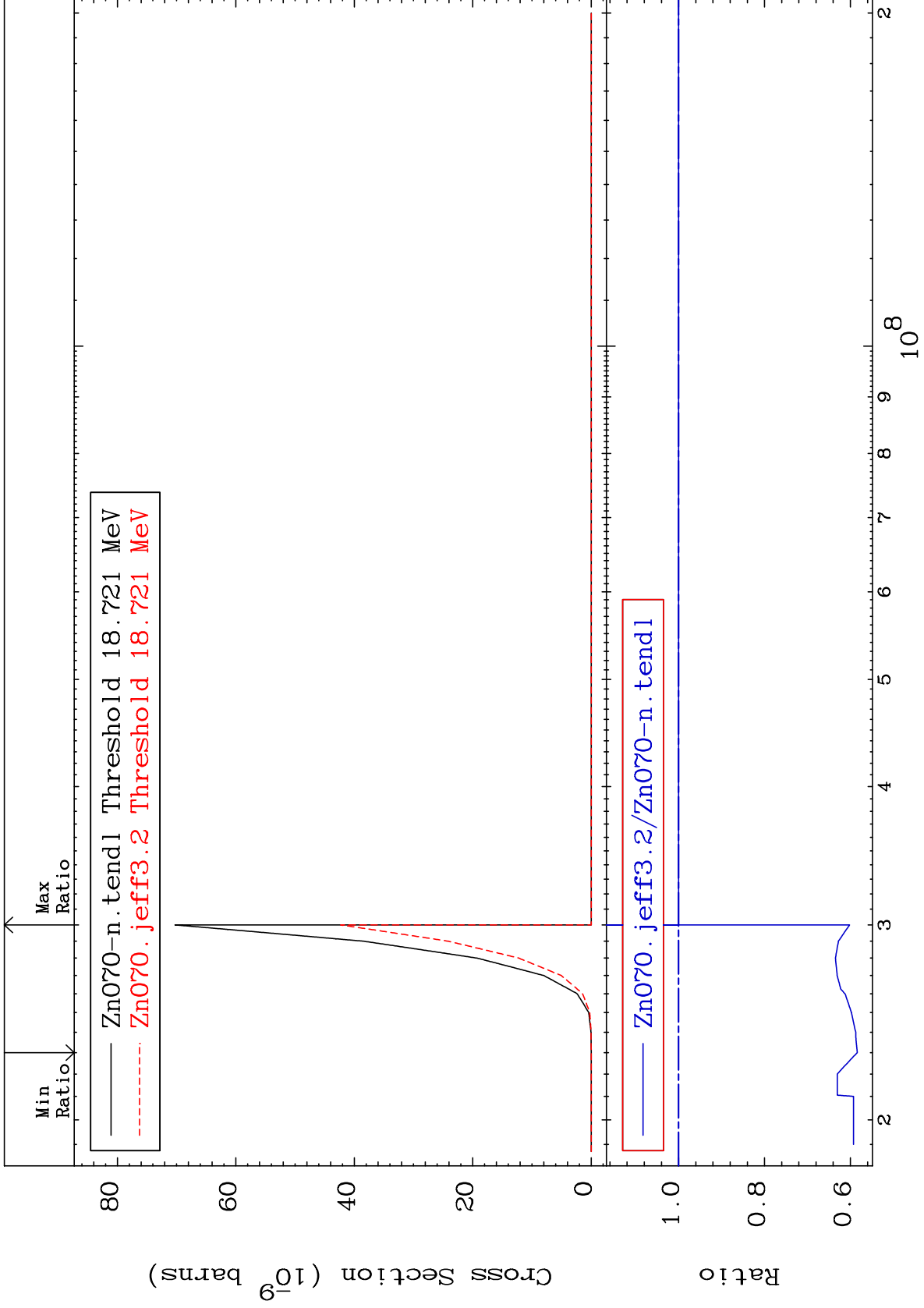
30-Zn-70  
-90.32 To 0.000 %



MAT 3043

(n,p) d  
Cross Section

30-Zn-70  
-41.60 To 0.000 %



59

Incident Energy (eV)

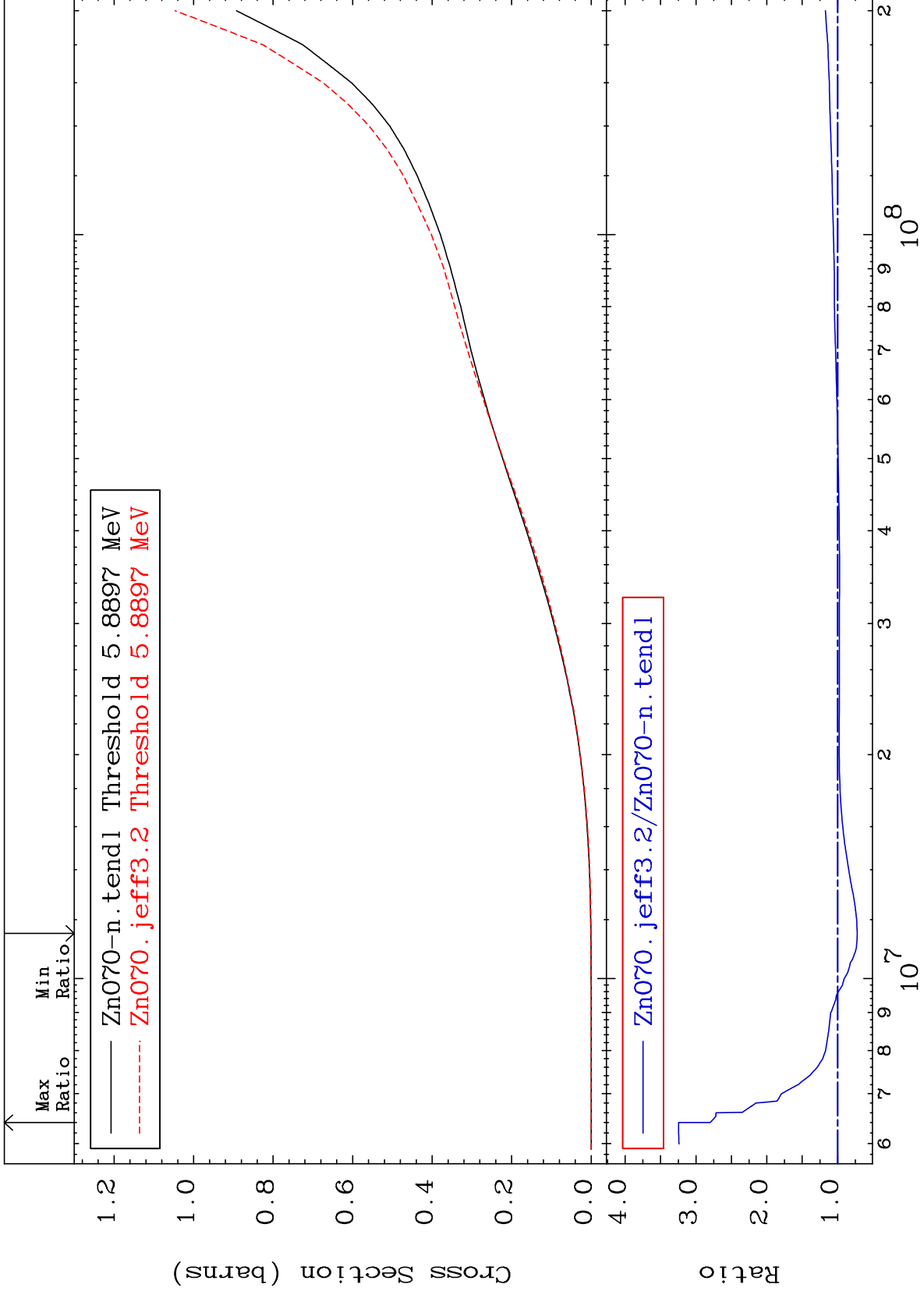
30-Zn-70



MAT 3043

Hydrogen Production  
Cross Section

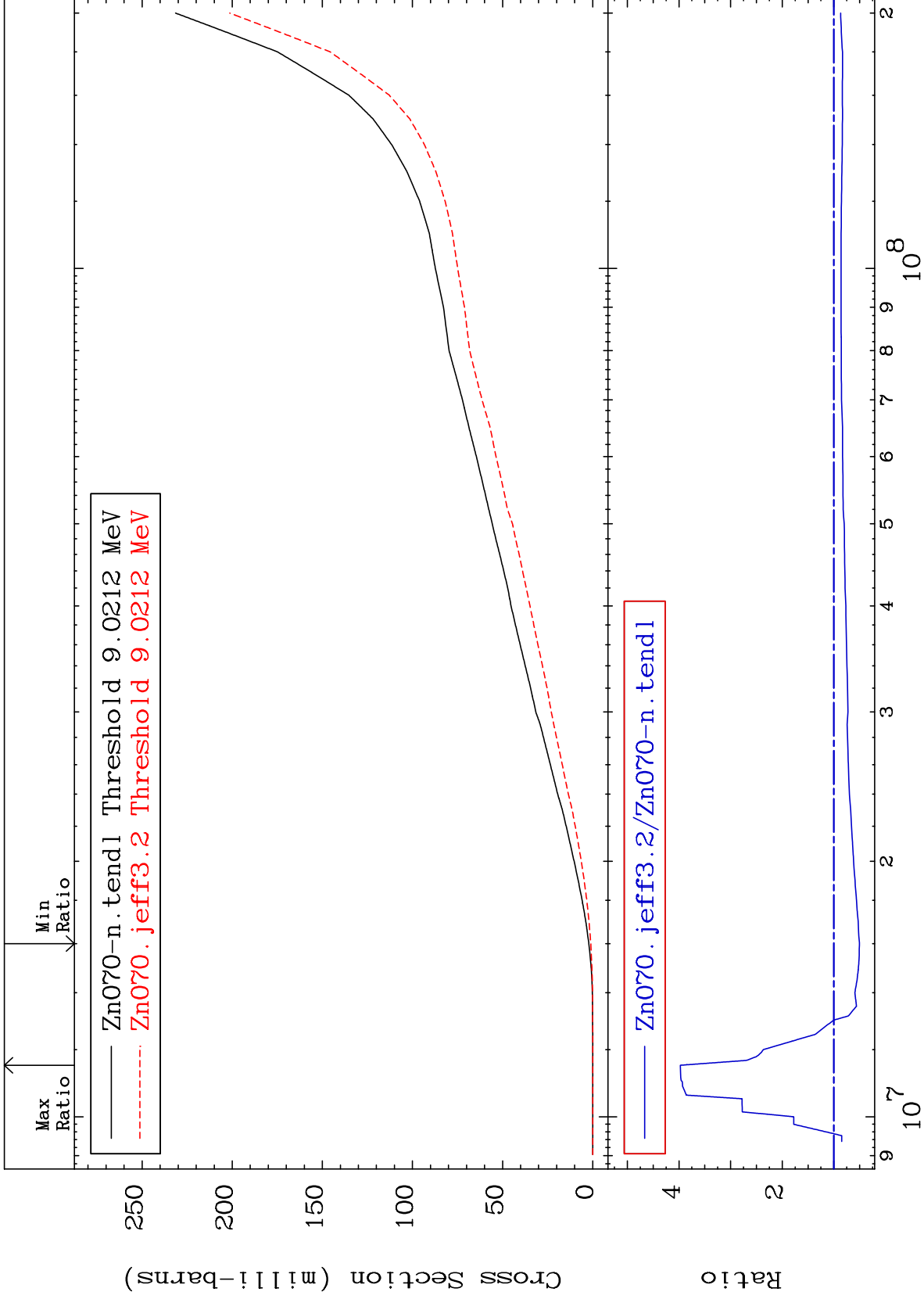
30-Zn-70  
-27.68 To 224.5 %



MAT 3043

Deuterium Production  
Cross Section

30-Zn-70  
-49.57 To 297.3 %



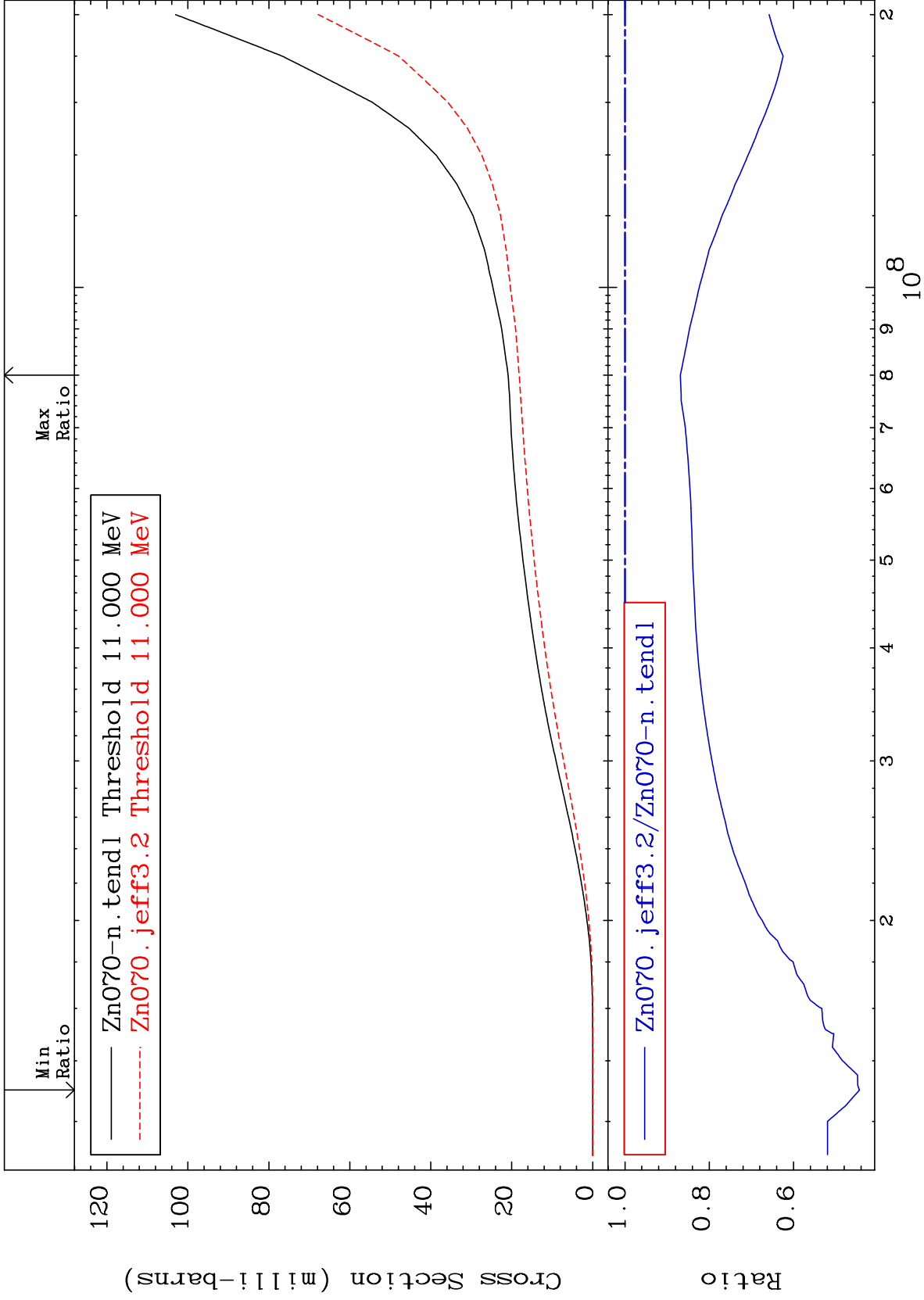
62

30-Zn-70

MAT 3043

Tritium Production  
Cross Section

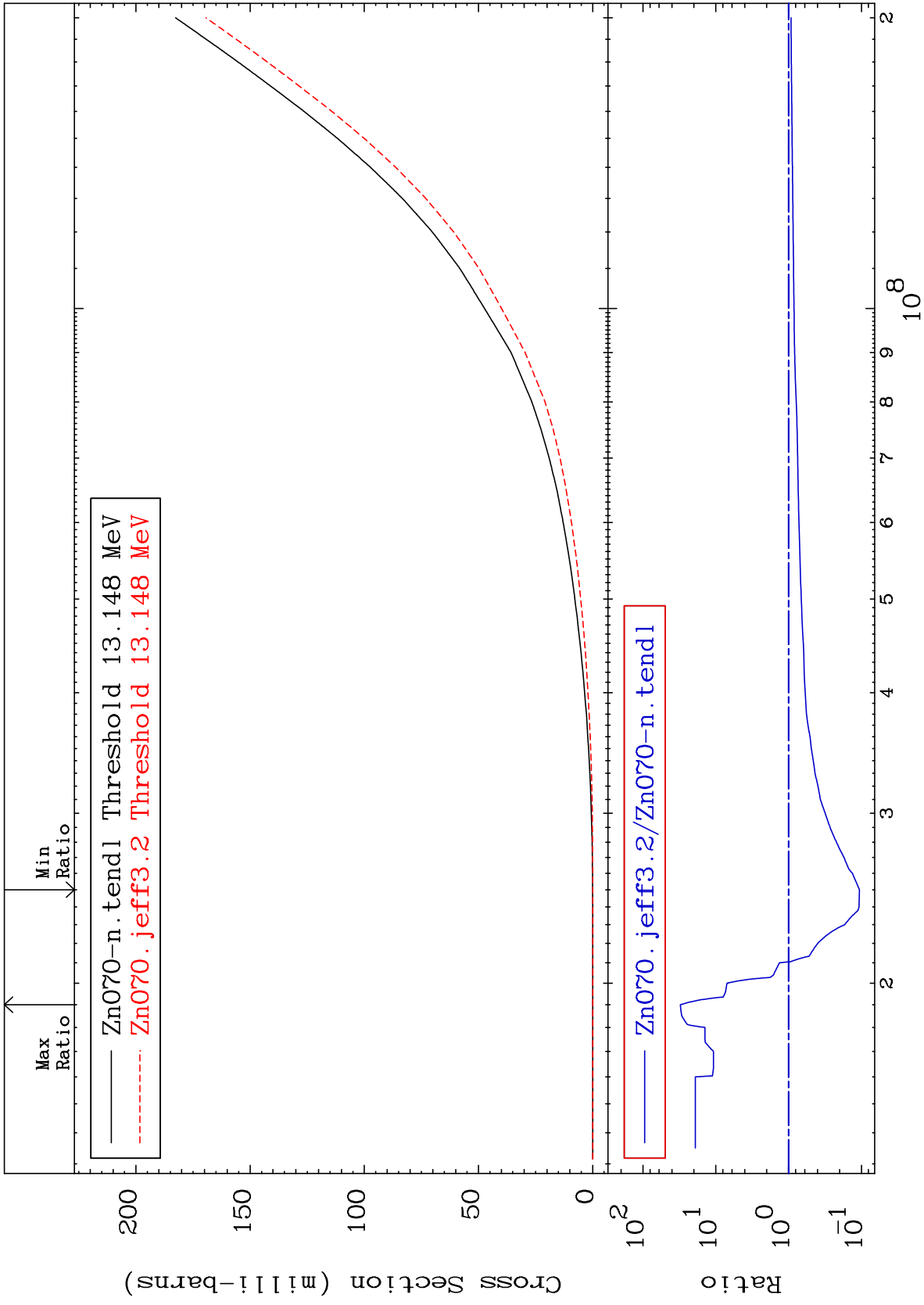
30-Zn-70  
-55.63 To -13.14%



MAT 3043

He-3 Production  
Cross Section

30-Zn-70  
-89.35 To 2967. %

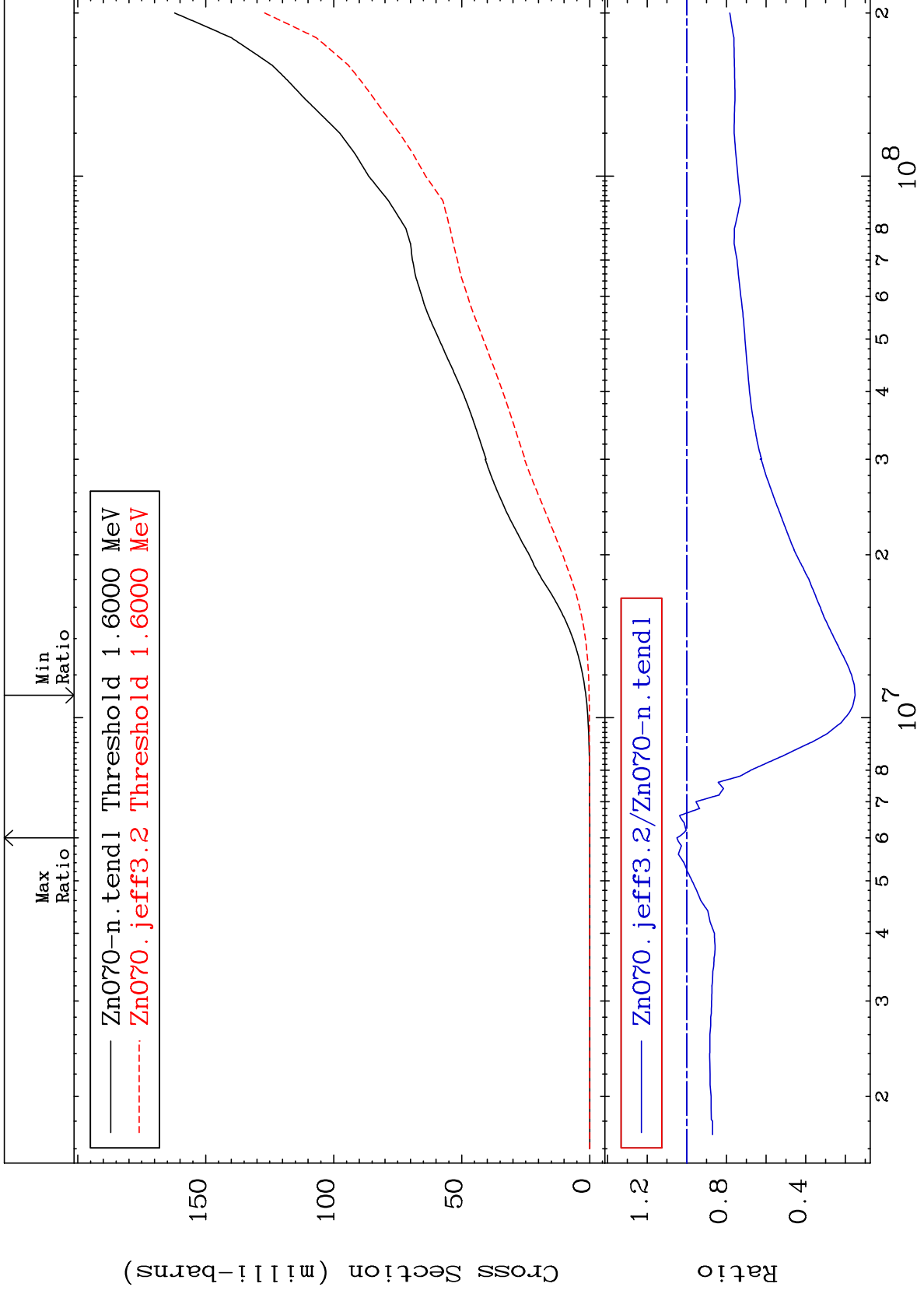




MAT 3043

He-4 Production  
Cross Section

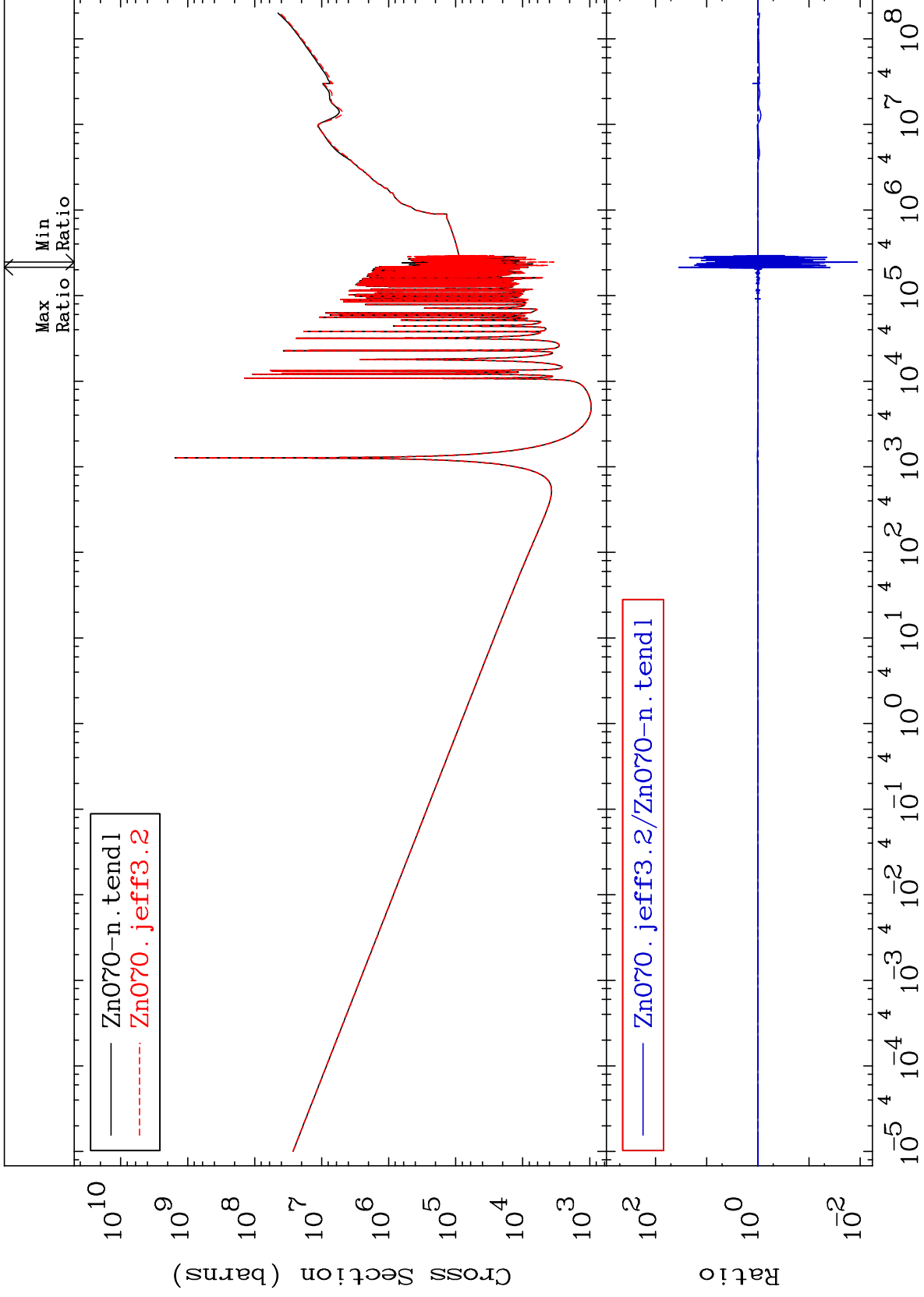
30-Zn-70  
-84.90 To 4.992 %



65

Incident Energy (eV)

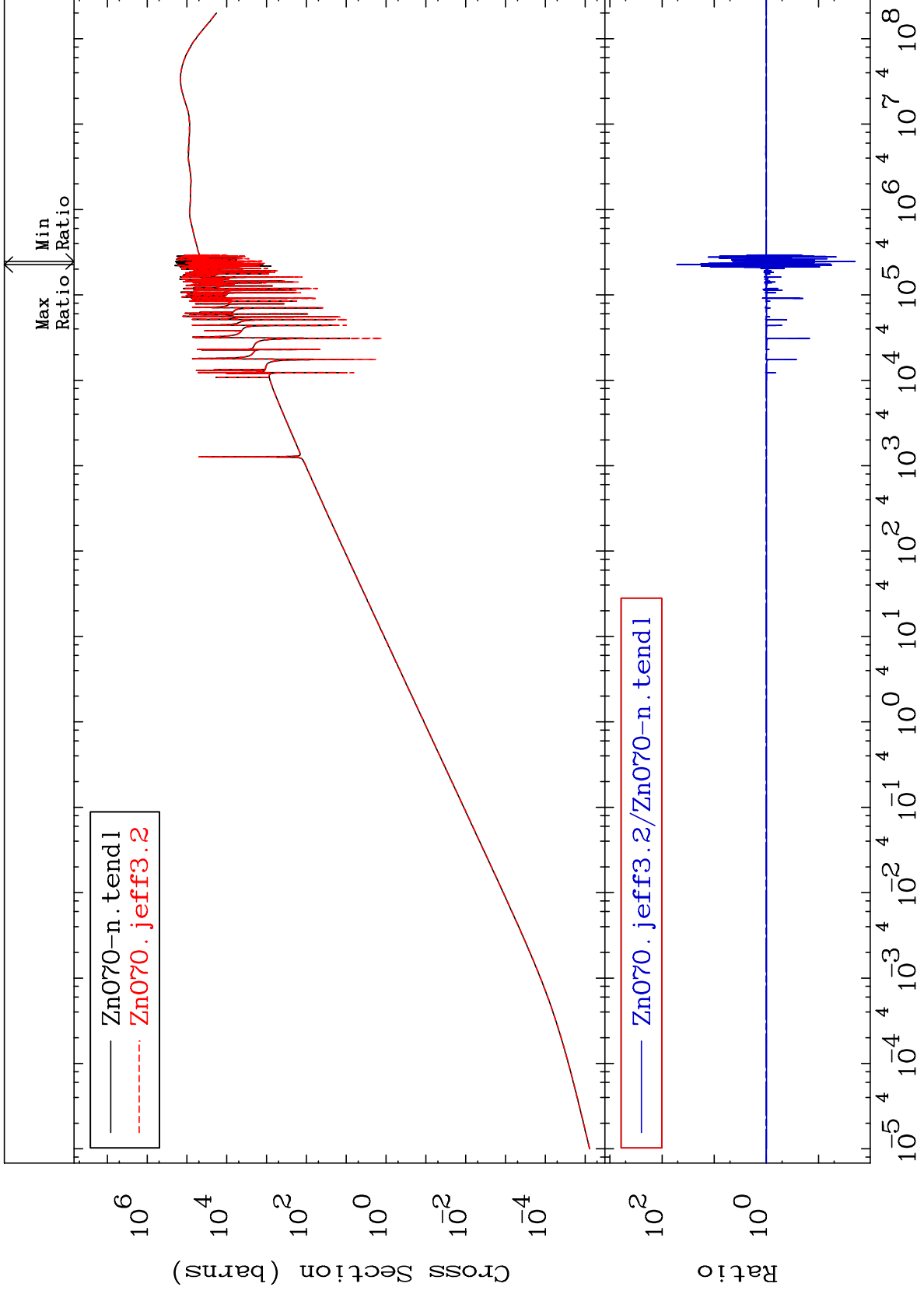
30-Zn-70

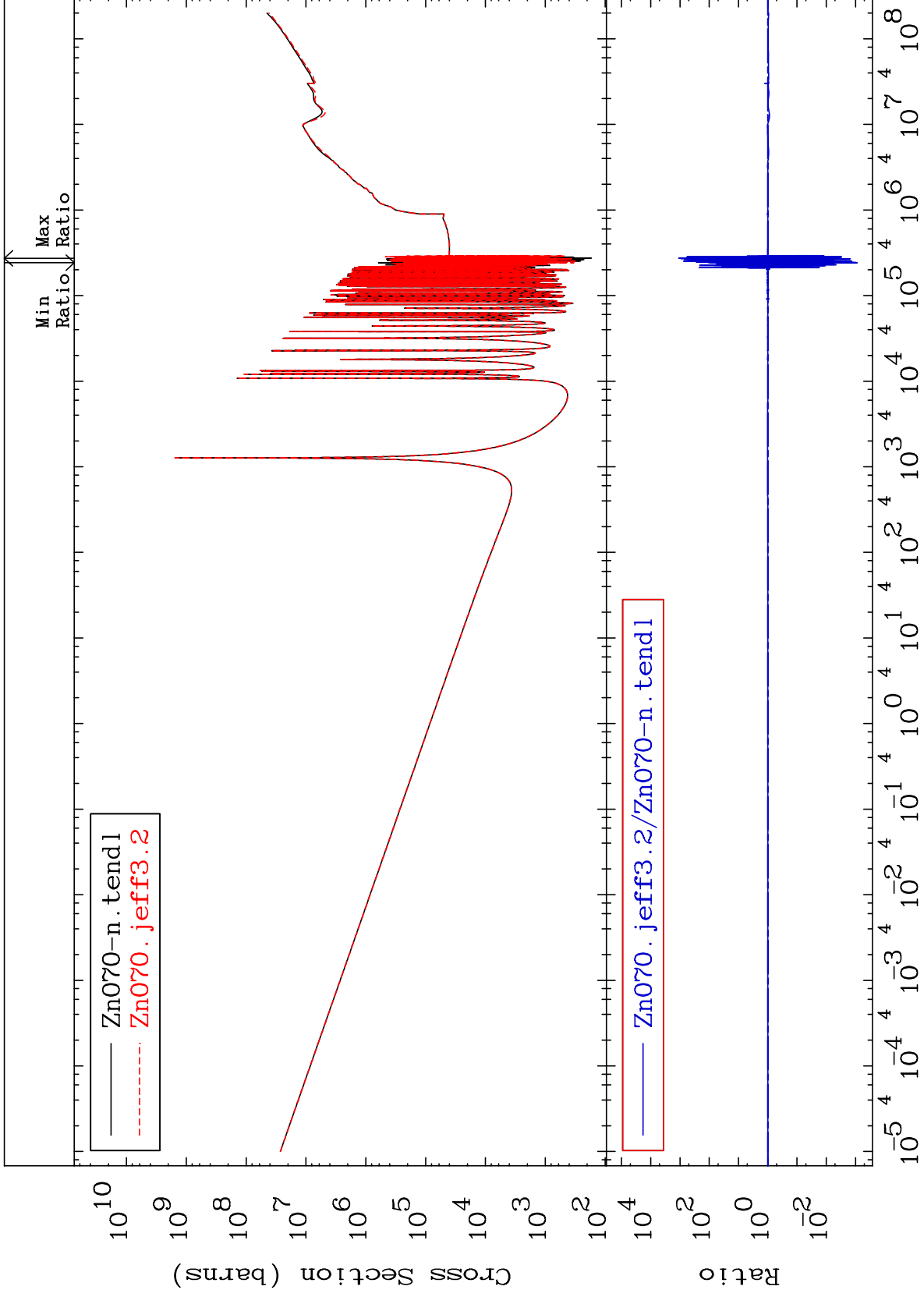


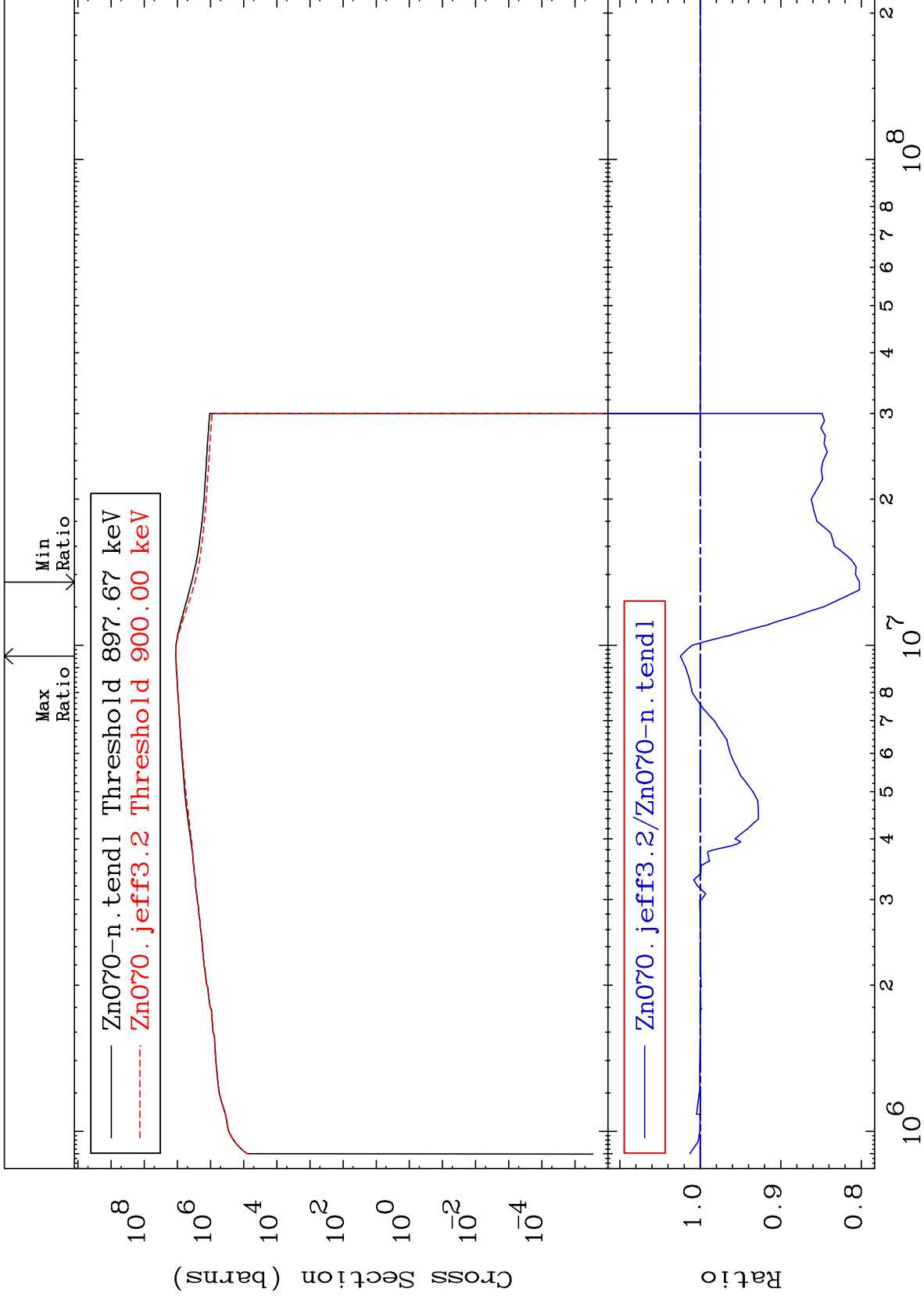
MAT 3043

Kerma elastic  
Cross Section

30-Zn-70  
-98.01 To 5092. %



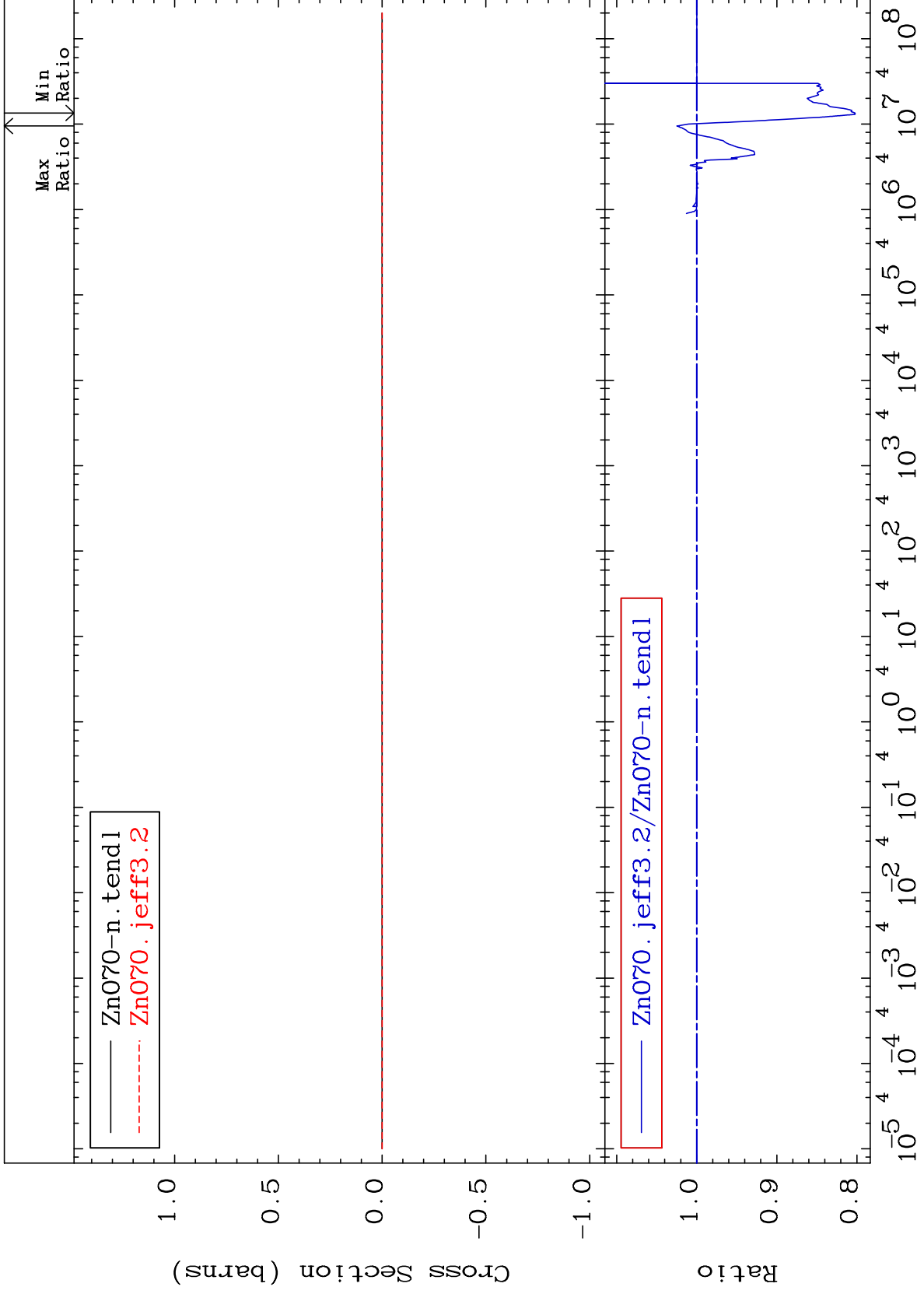




MAT 3043

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

30-Zn-70  
-19.78 To 2.476 %



Incident Energy (eV)

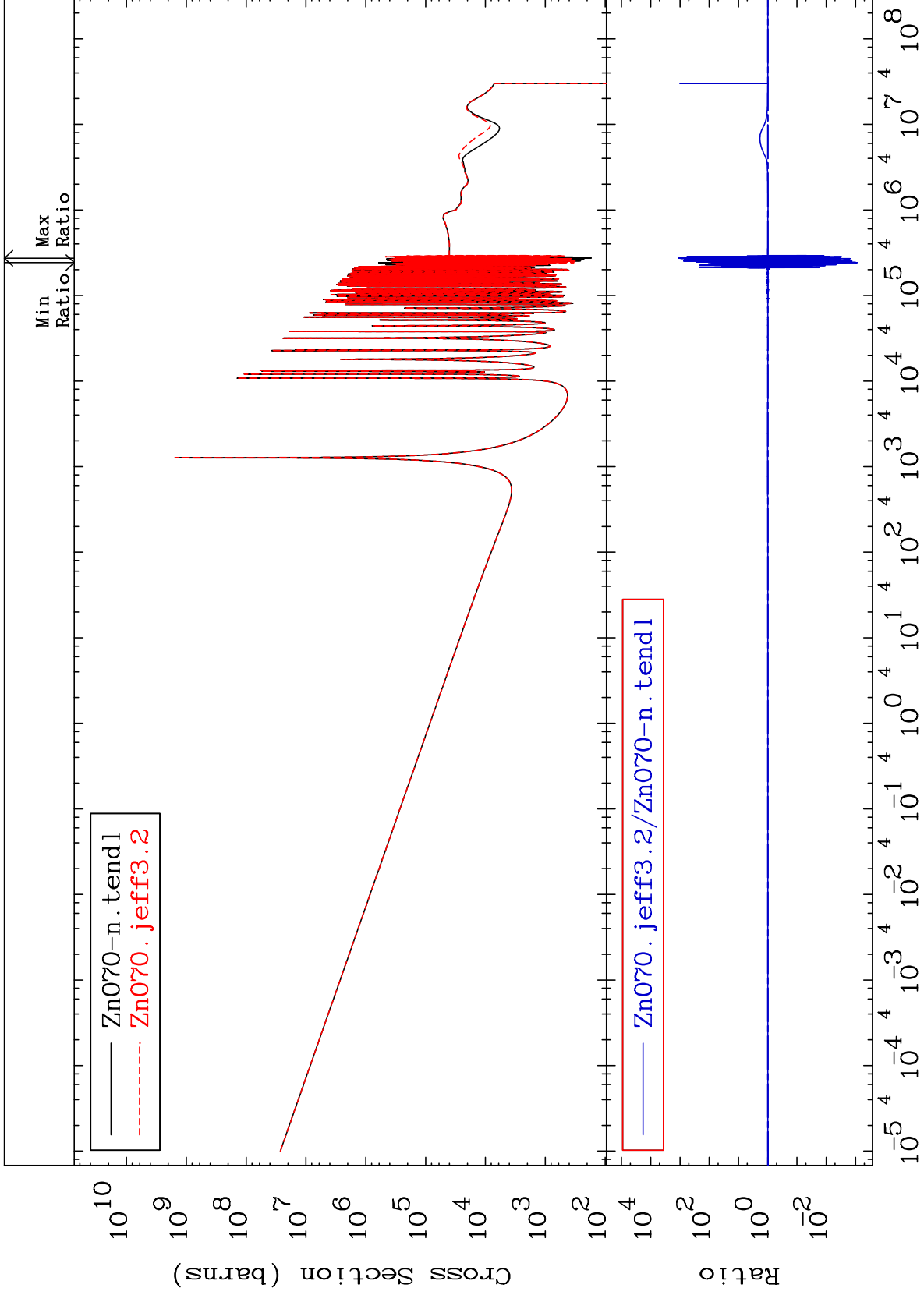
30-Zn-70

70

MAT 3043

Kerma capture (mt102)  
Cross Section

30-Zn-70  
-99.91 To 9999. %



71

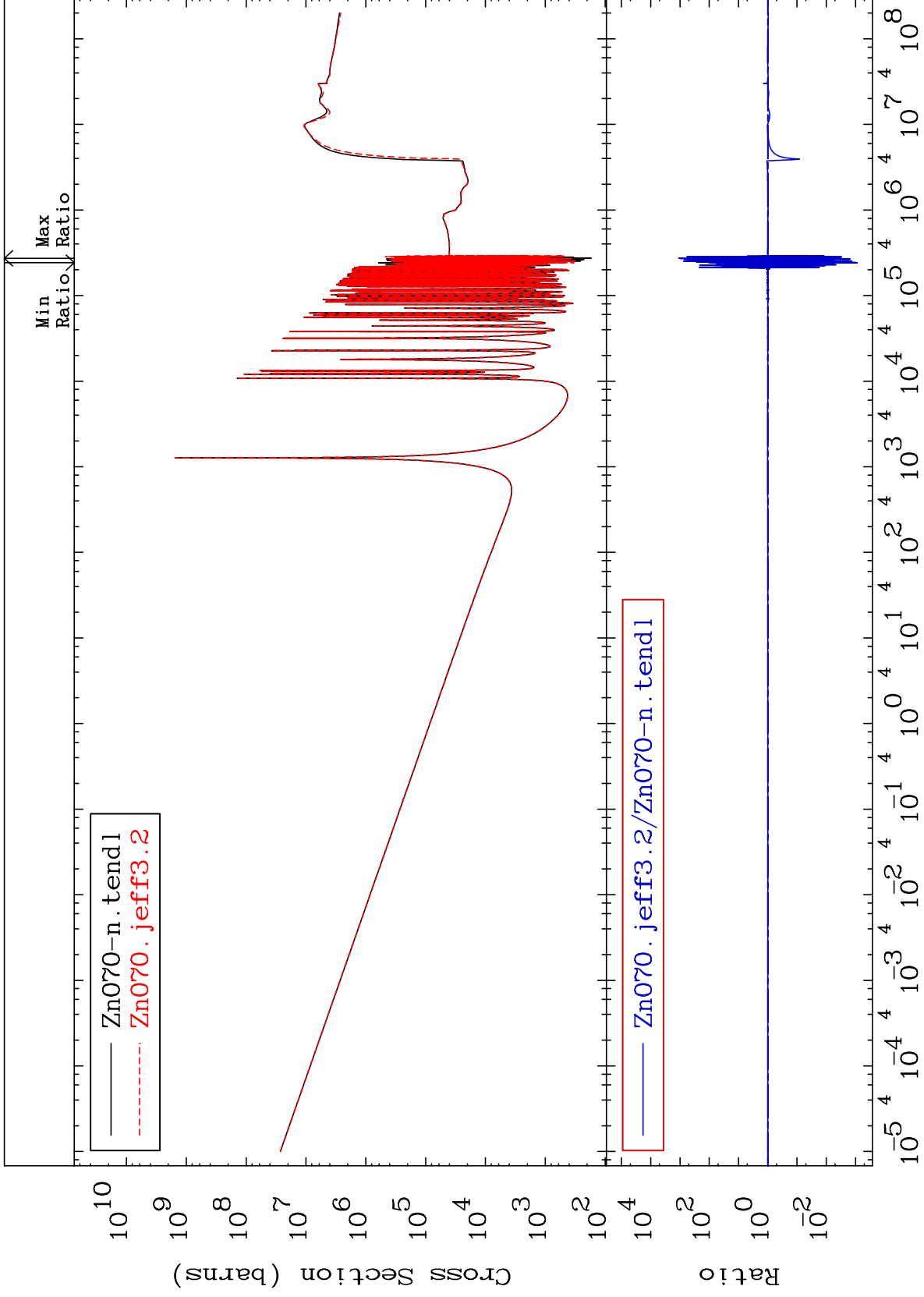
Incident Energy (eV)

30-Zn-70

MAT 3043

Total photon (eV-barns)  
Cross Section

30-Zn-70  
-99.91 To 9999. %



72

Incident Energy (eV)

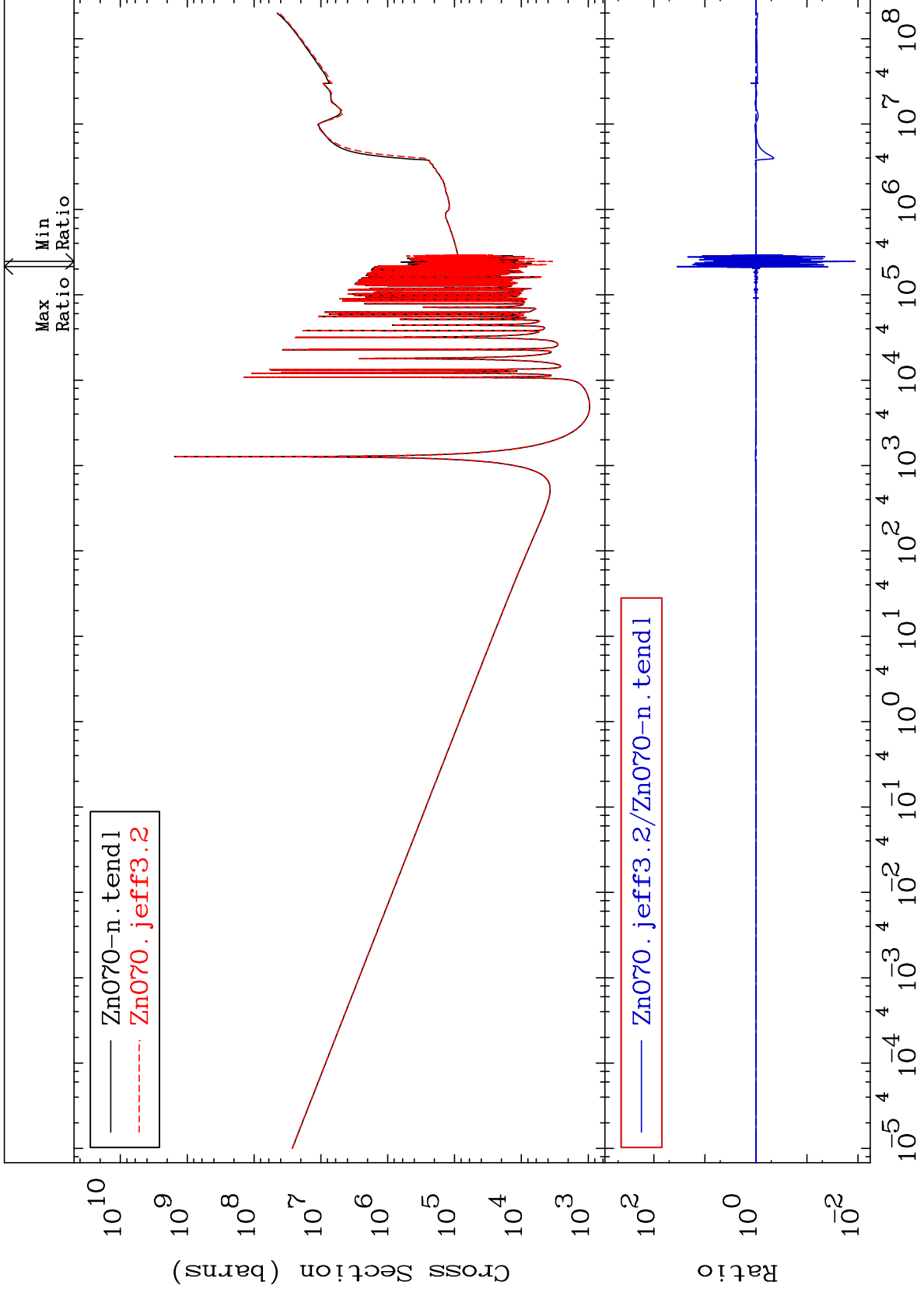
30-Zn-70



MAT 3043

Total kinematic kerma (high limit)  
Cross Section

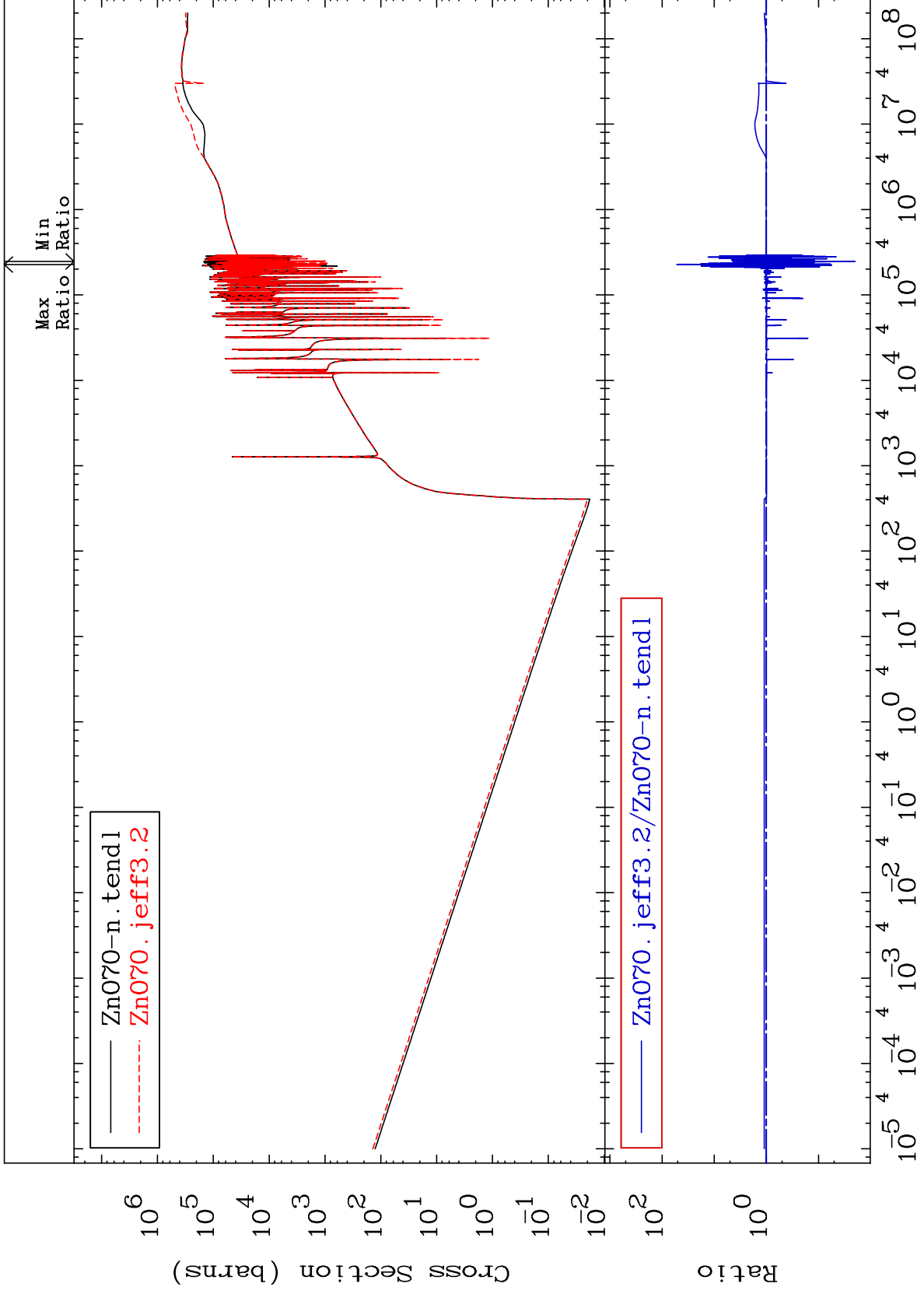
30-Zn-70  
-98.86 To 3431. %

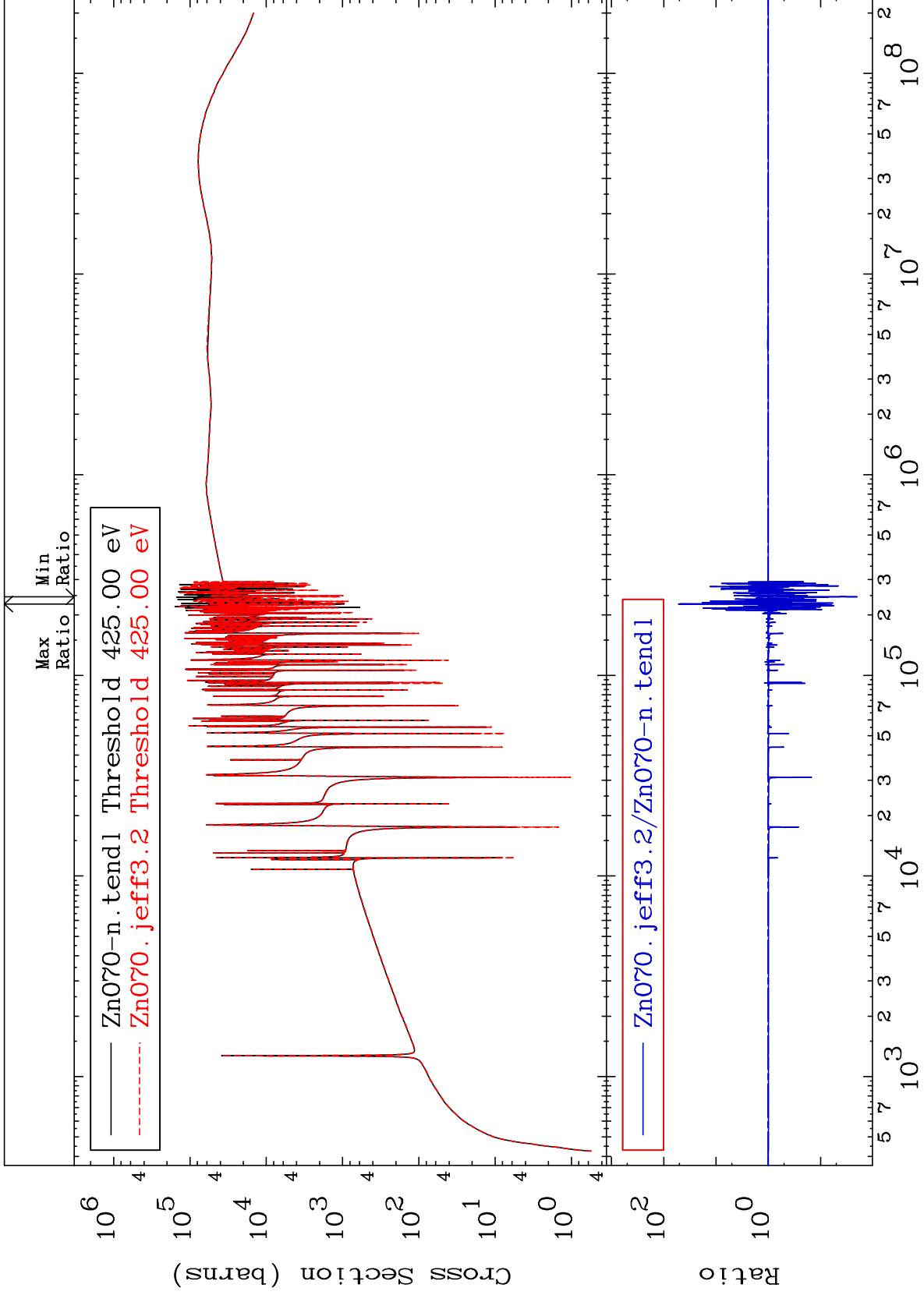


MAT 3043

Dpa total (eV-barns)  
Cross Section

30-Zn-70  
-98.01 To 5091. %

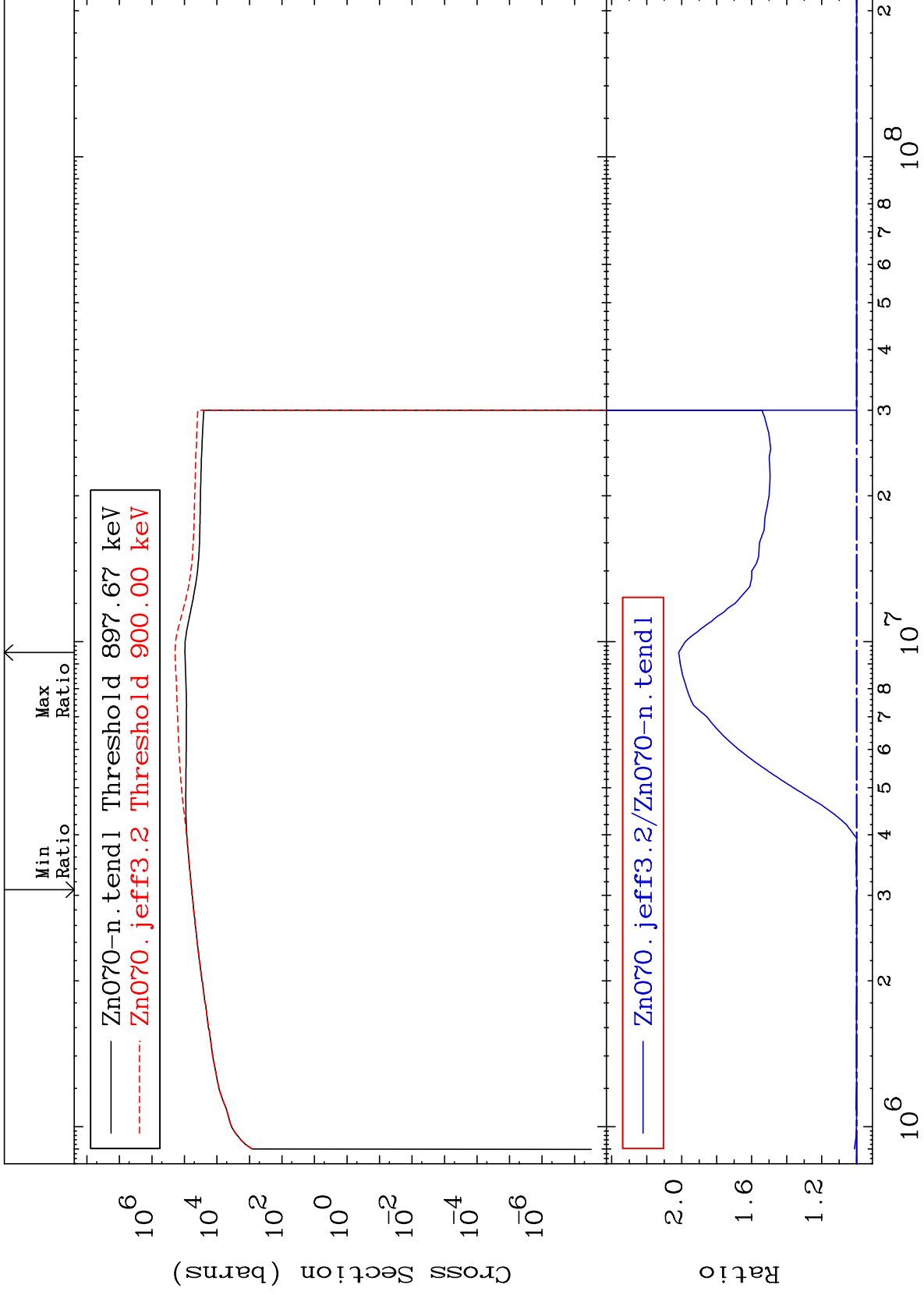




MAT 3043

Dpa inelastic (mt51-91)  
Cross Section

30-Zn-70  
-0.366 To 101.7 %



76

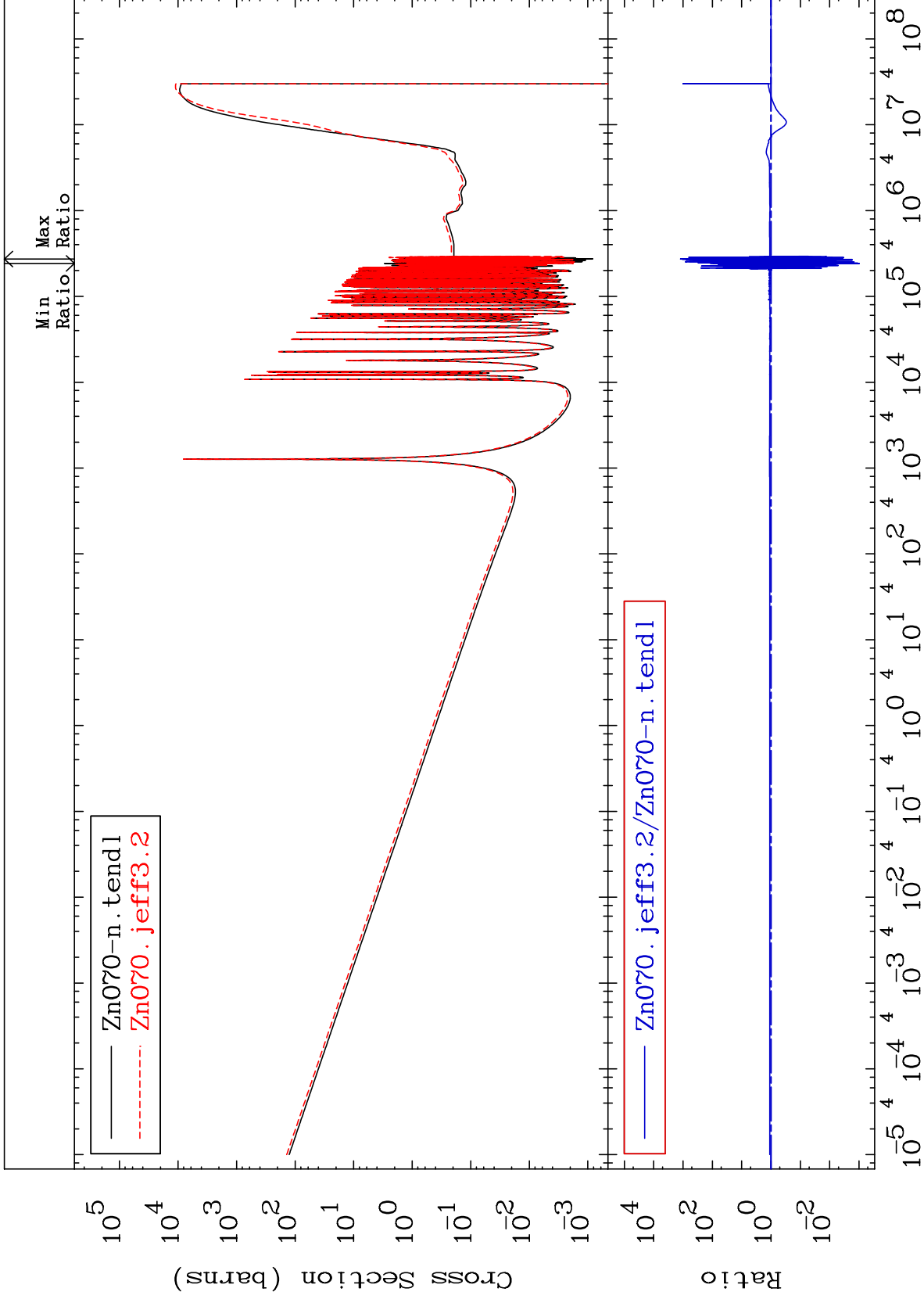
Incident Energy (eV)

30-Zn-70

MAT 3043

Dpa disappearance (mt102 -120)  
Cross Section

30-Zn-70  
-99.90 To 9999. %



77

Incident Energy (eV)

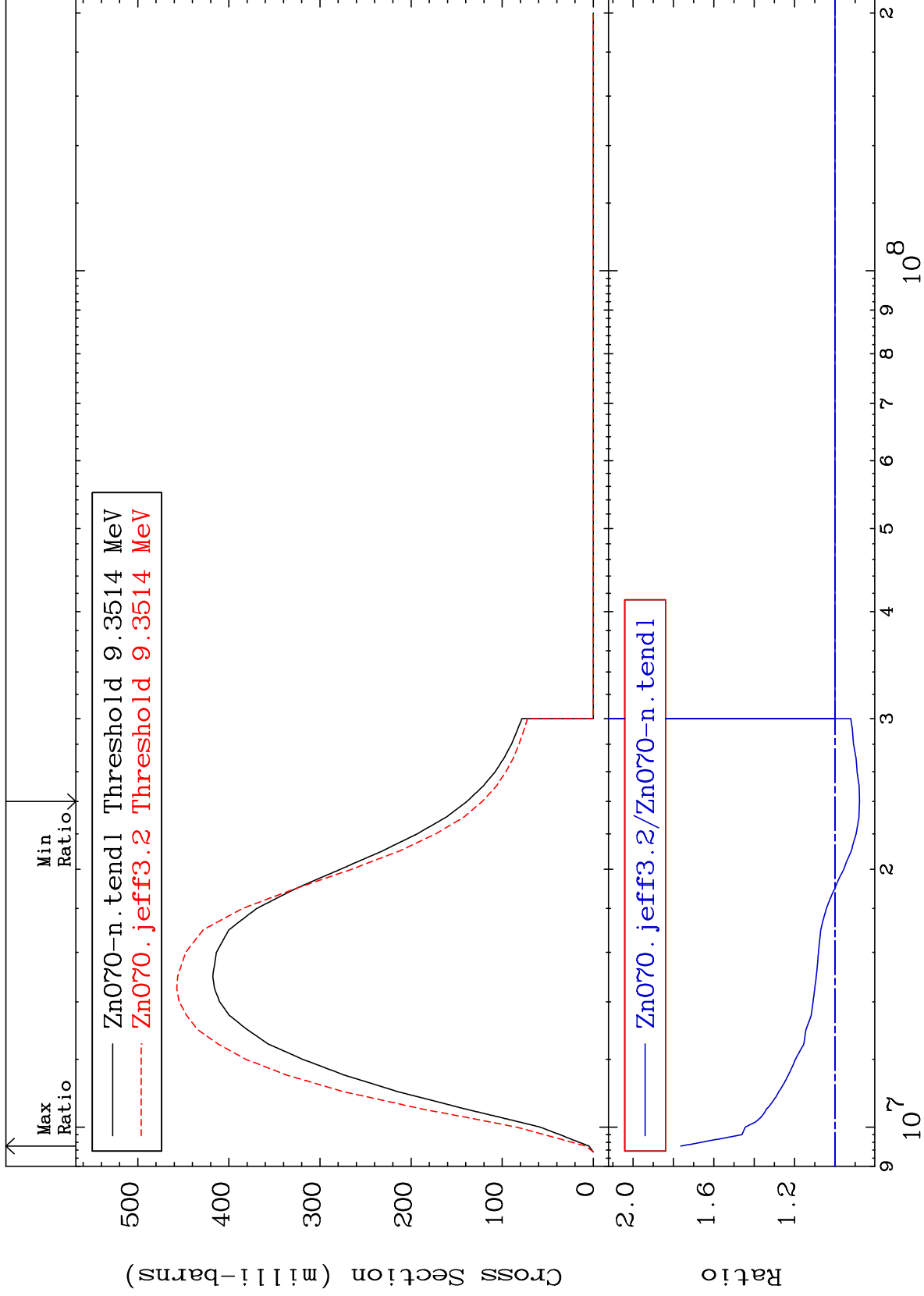
30-Zn-70

MAT 3043

(n,2n) : 30-Zn-69g

30-Zn-70

Radionuclide Production Cross Section -12.20 To 76.34 %



78

Incident Energy (eV)

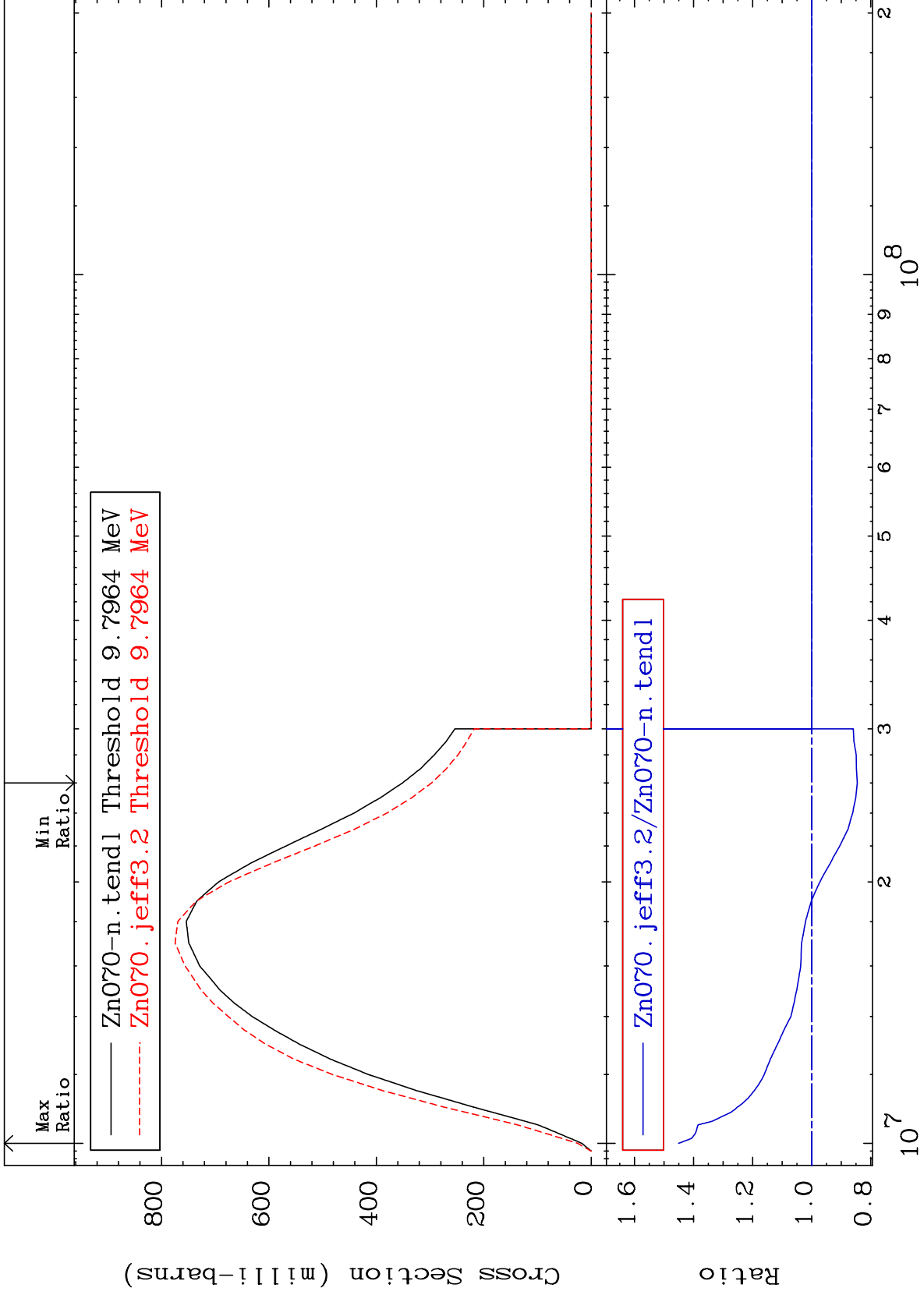
30-Zn-70

MAT 3043

(n,2n):30-Zn-69m1

30-Zn-70

Radionuclide Production Cross Section -15.42 To 45.05 %

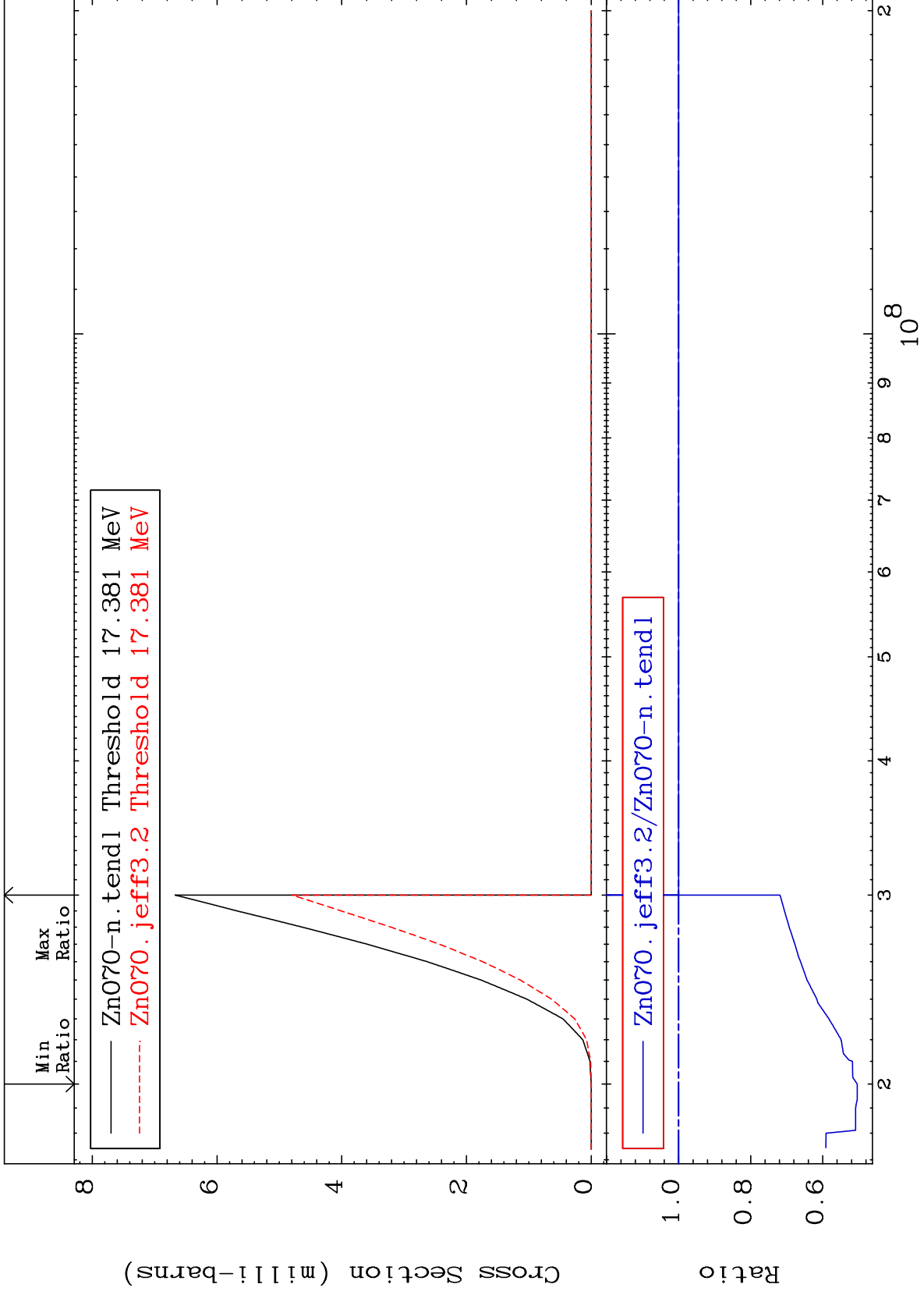


MAT 3043

(n, n') d:29-Cu-68g

30-Zn-70

Radionuclide Production Cross Section -49.58 To 0.000 %



80

Incident Energy (eV)

30-Zn-70

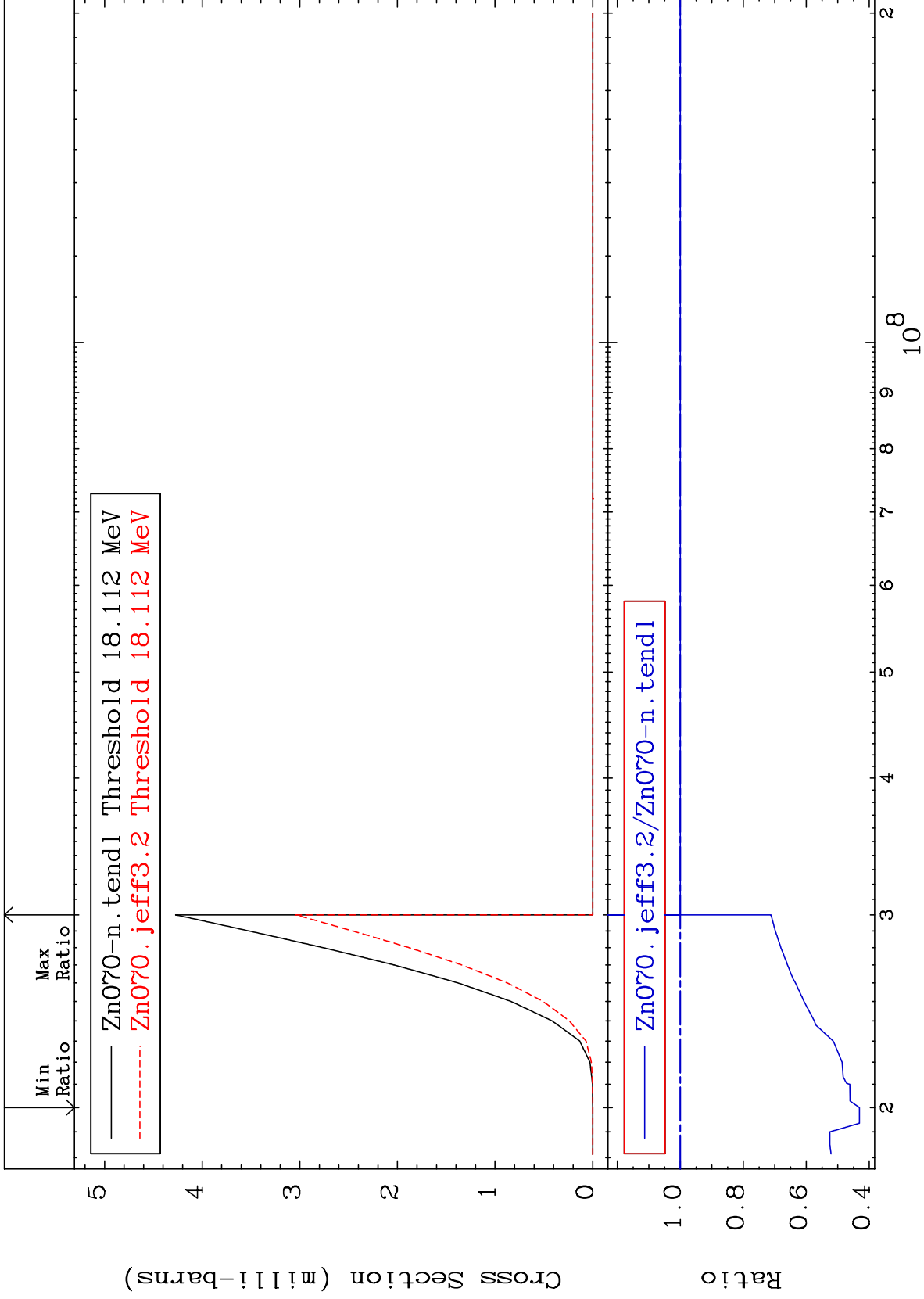


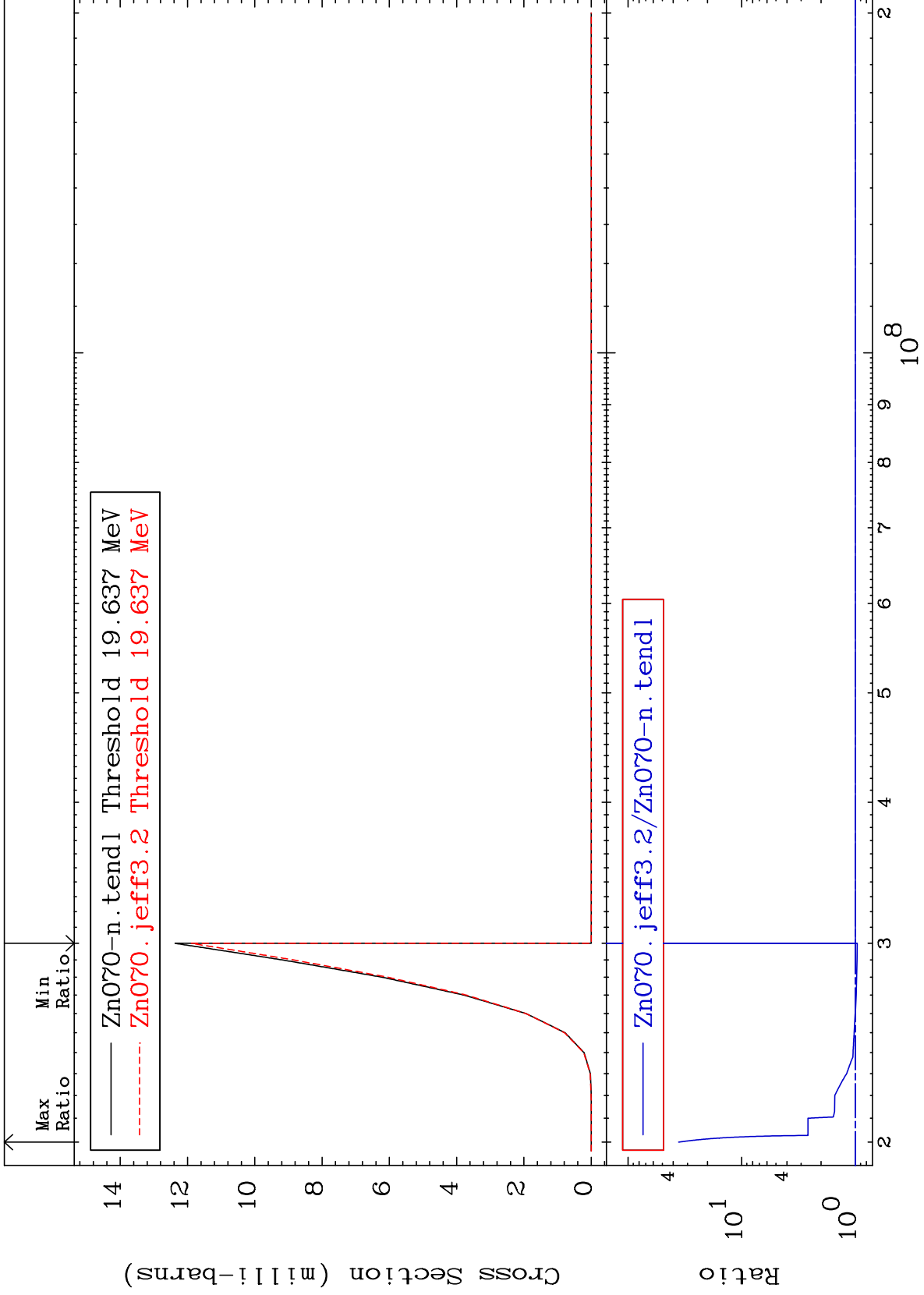
MAT 3043

(n, n') d:29-Cu-68m3

30-Zn-70

Radionuclide Production Cross Section -56.86 To 0.000 %



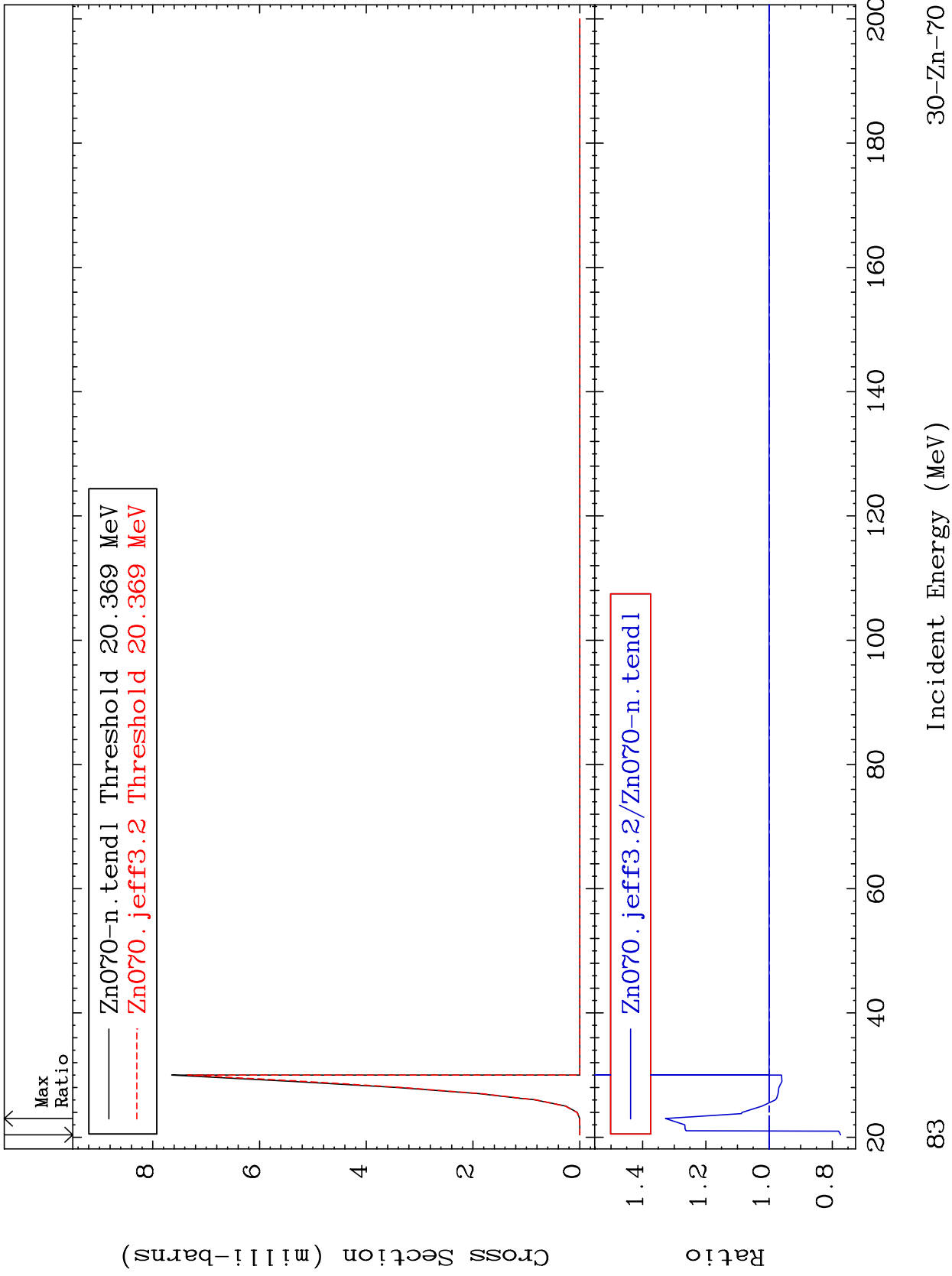


MAT 3043

(n,2n) p:29-Cu-68m3

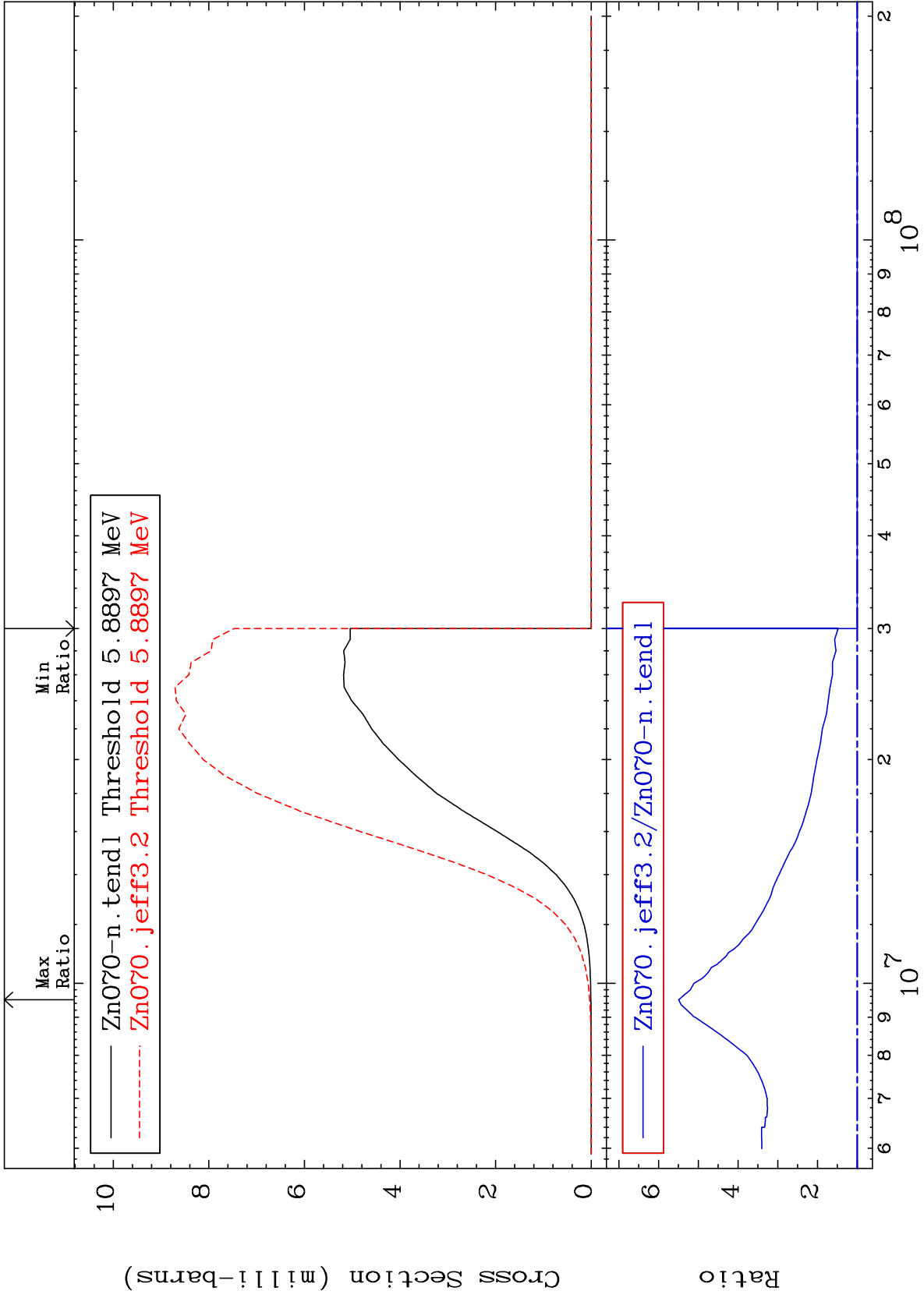
30-Zn-70

Radionuclide Production Cross Section -22.65 To 32.74 %



MAT 3043

(n, p) : 29-Cu-70g 30-Zn-70  
Radionuclide Production Cross Section 0.000 To 449.5 %

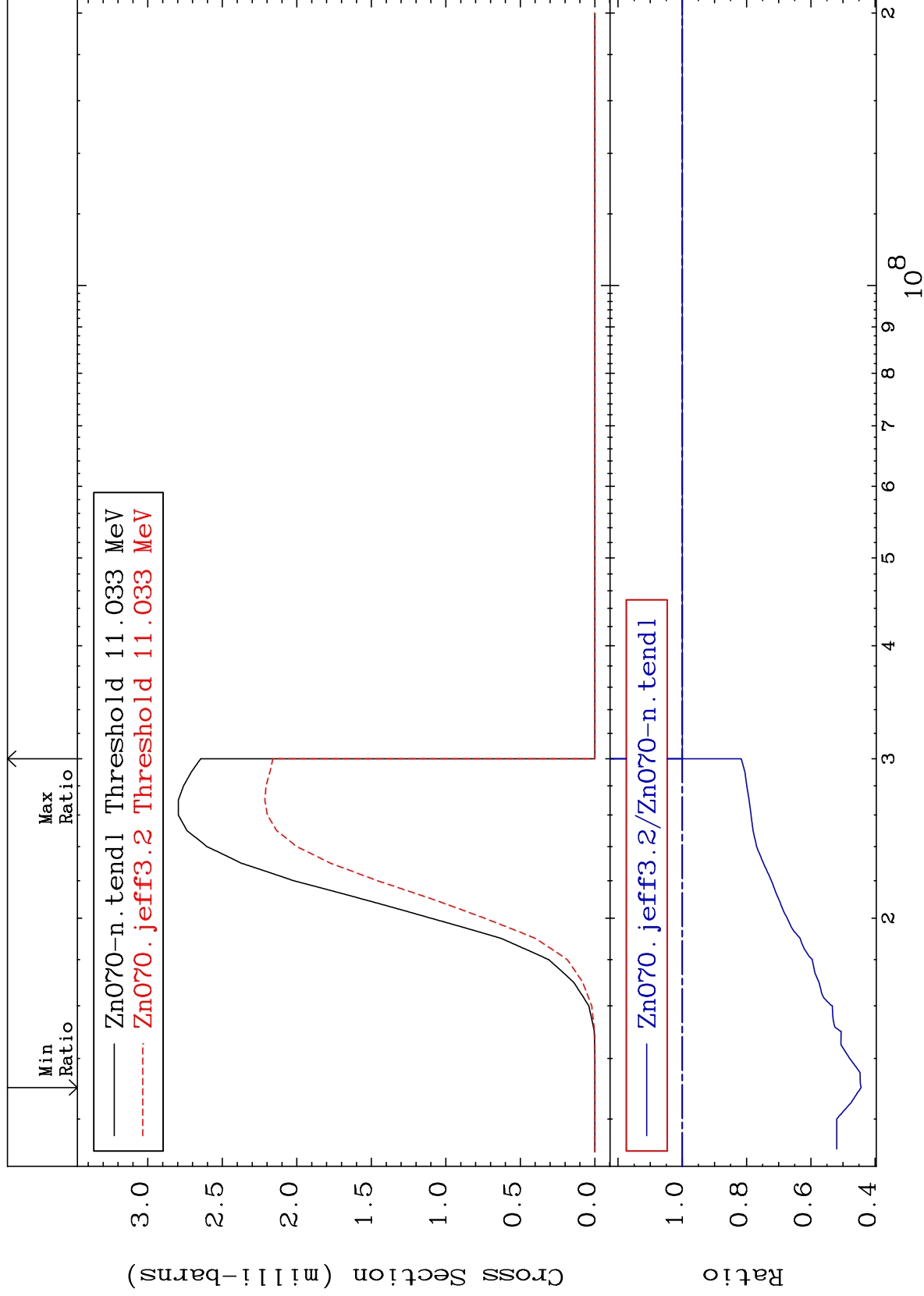


MAT 3043

(n, t):29-Cu-68g

30-Zn-70

Radionuclide Production Cross Section -55.63 To 0.000 %



MAT 3043

(n, t) : 29-Cu-68m3

30-Zn-70

Radionuclide Production Cross Section -50.51 To 0.000 %

