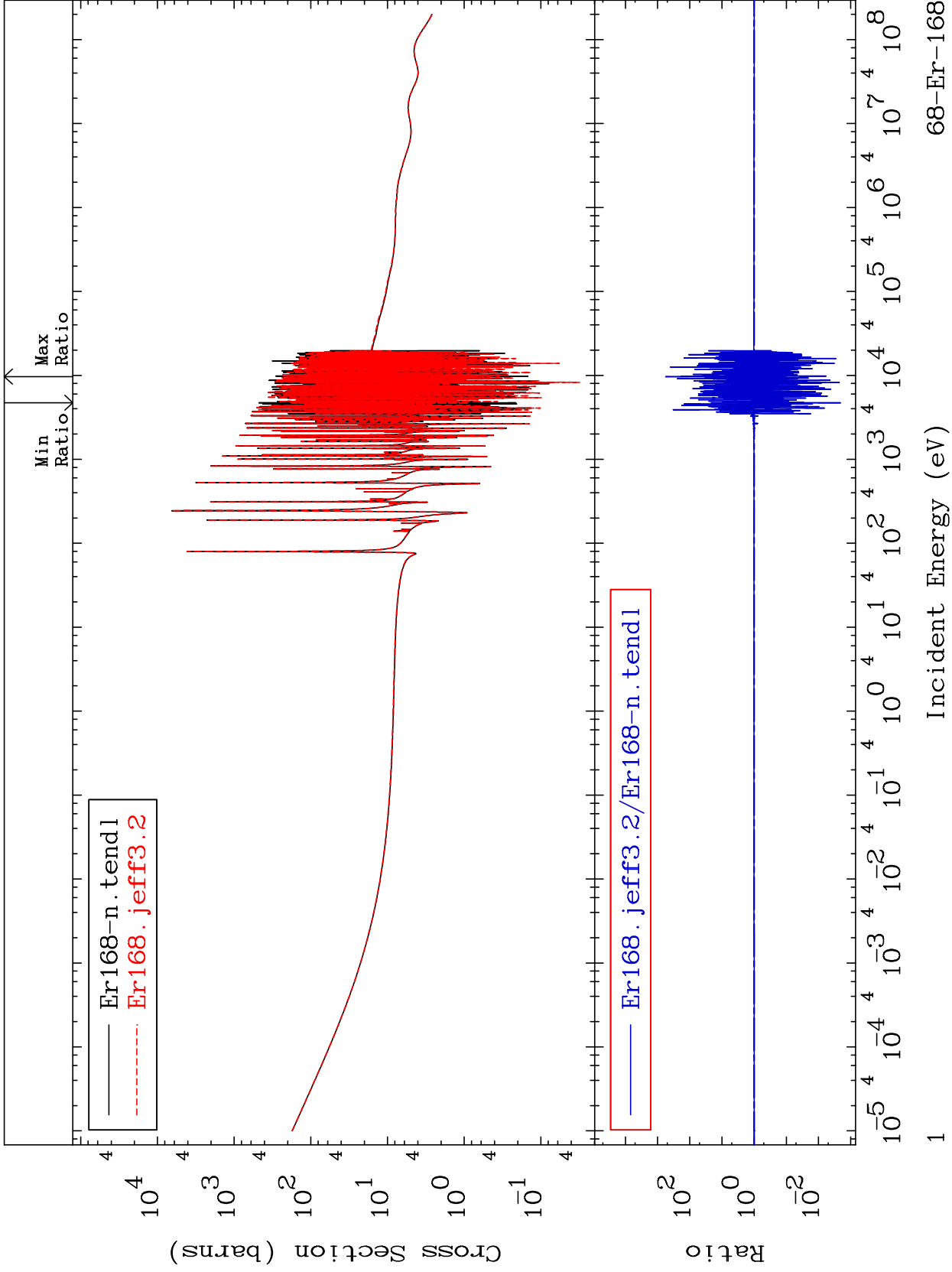


MAT 6843

Total  
Cross Section

68-Er-168  
-99.80 To 9999. %

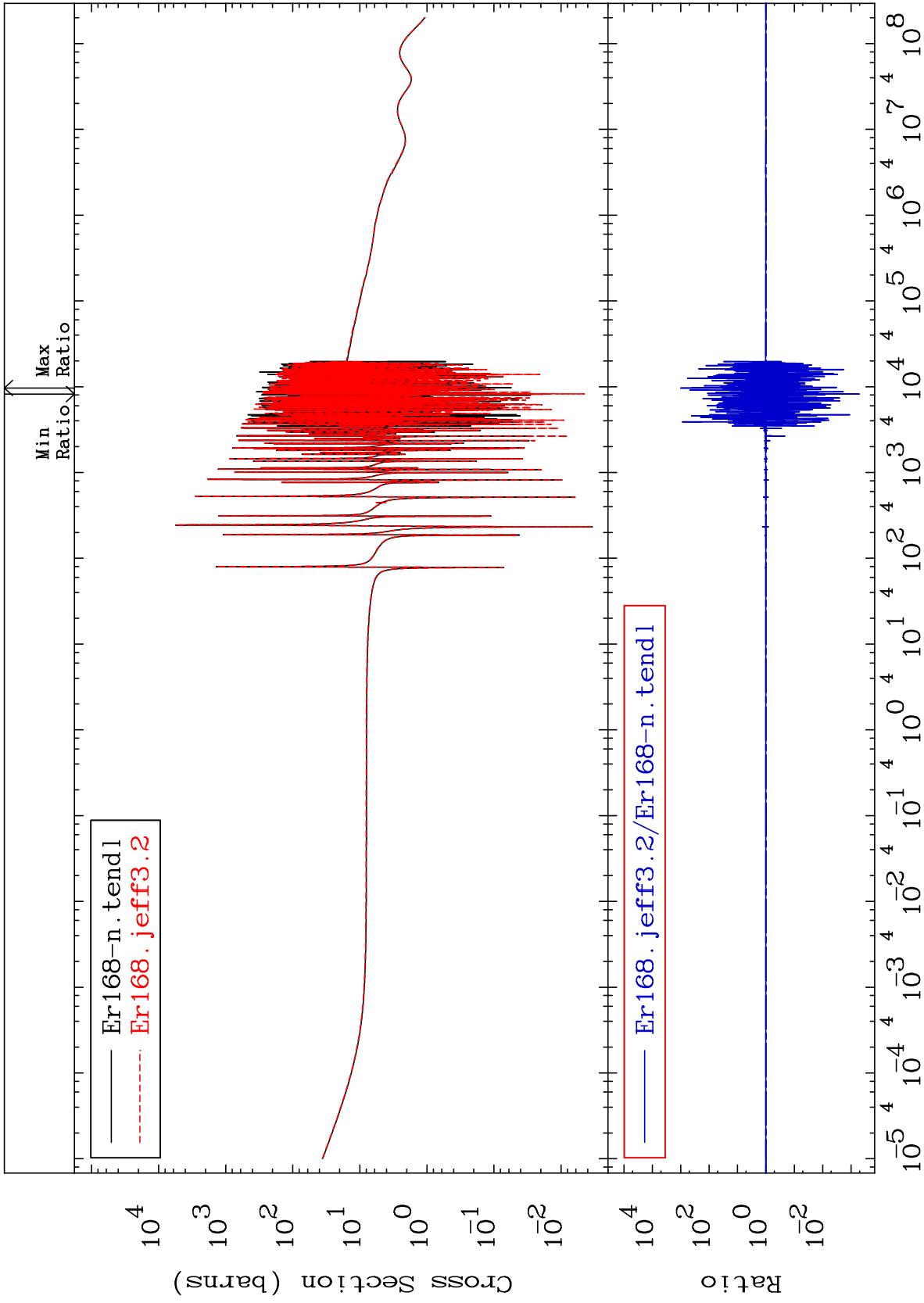


68-Er-168

MAT 6843

Elastic  
Cross Section

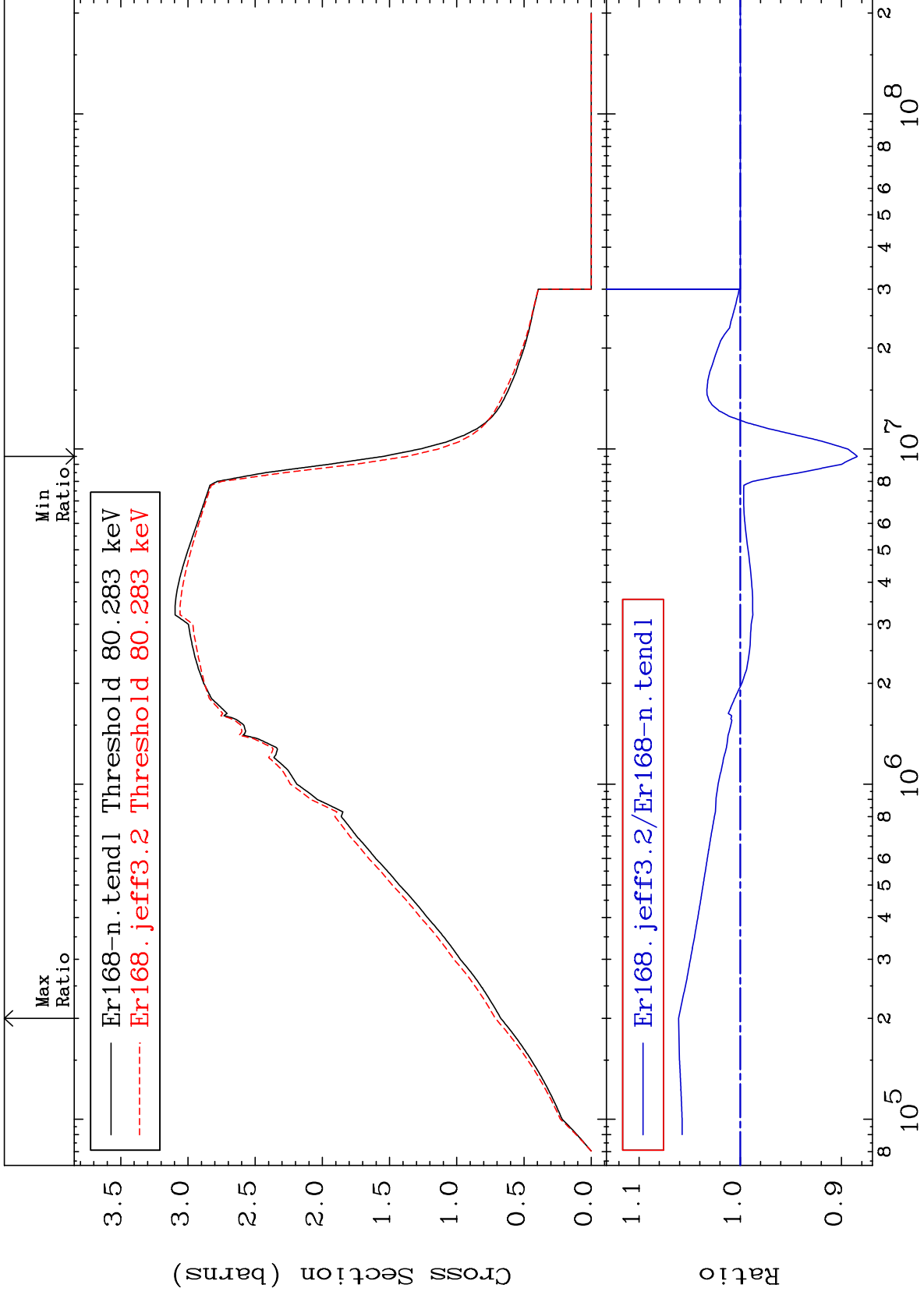
68-Er-168  
-99.95 To 9999. %



MAT 6843

Inelastic  
Cross Section

68-Er-168  
-11.56 To 6.093 %



3

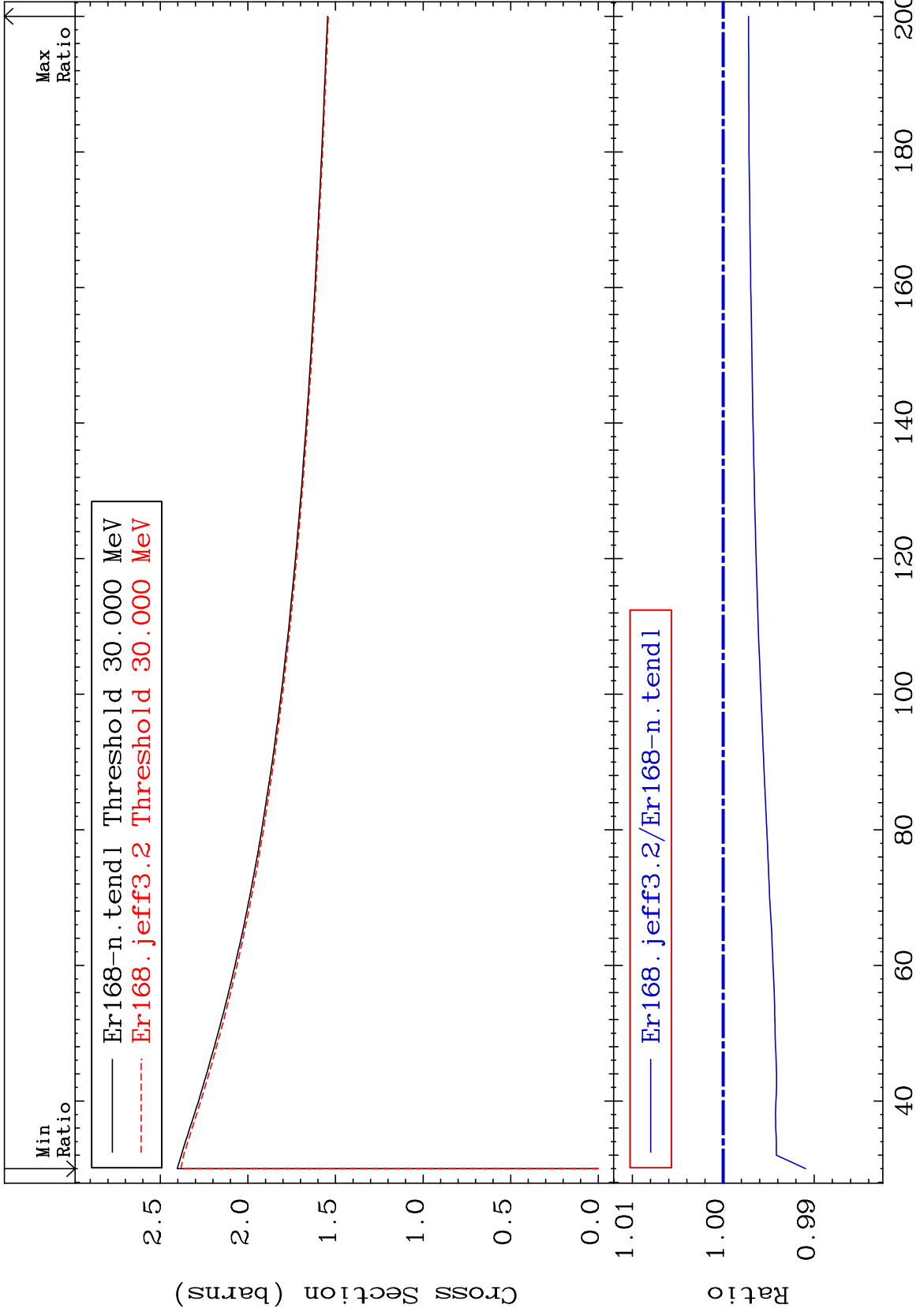
Incident Energy (eV)

68-Er-168

MAT 6843

(n, remainder)  
Cross Section

68-Er-168  
-0.906 To -0.278%



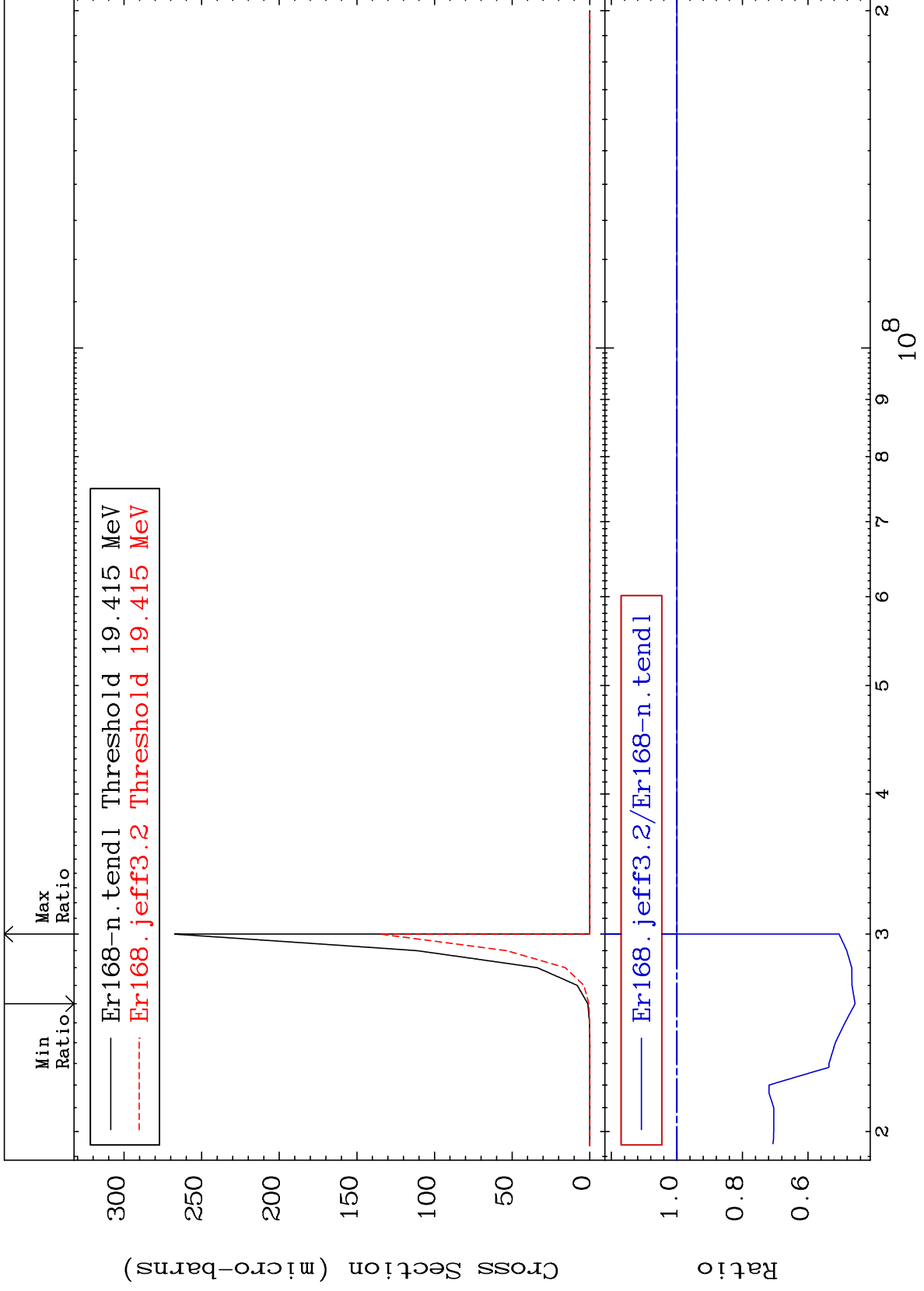
MAT 6843

(n,2n) d

68-Er-168

Cross Section

-54.38 To 0.000 %



5

Incident Energy (eV)

68-Er-168

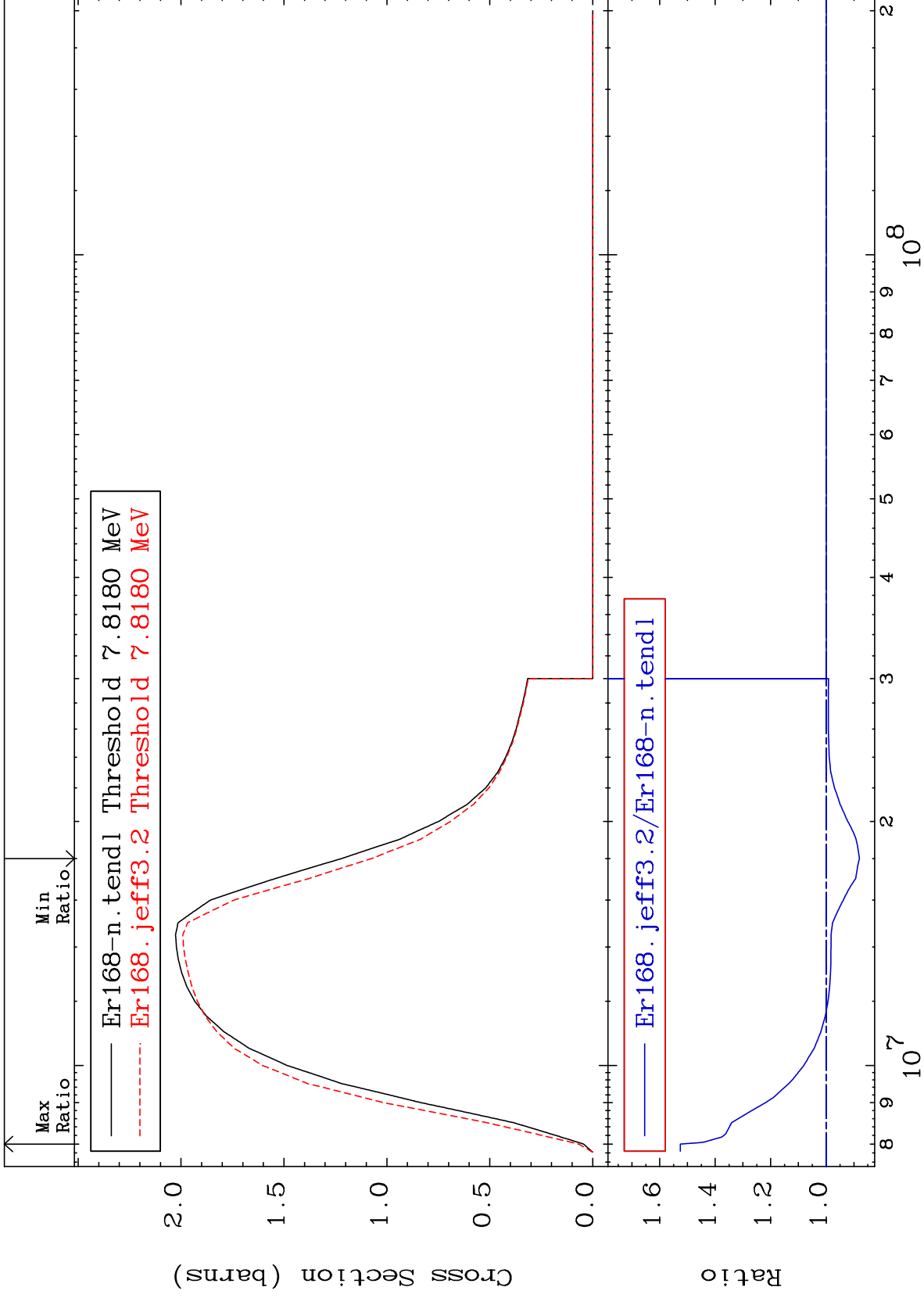
MAT 6843

(n,2n)

68-Er-168

Cross Section

-11.99 To 52.56 %



6

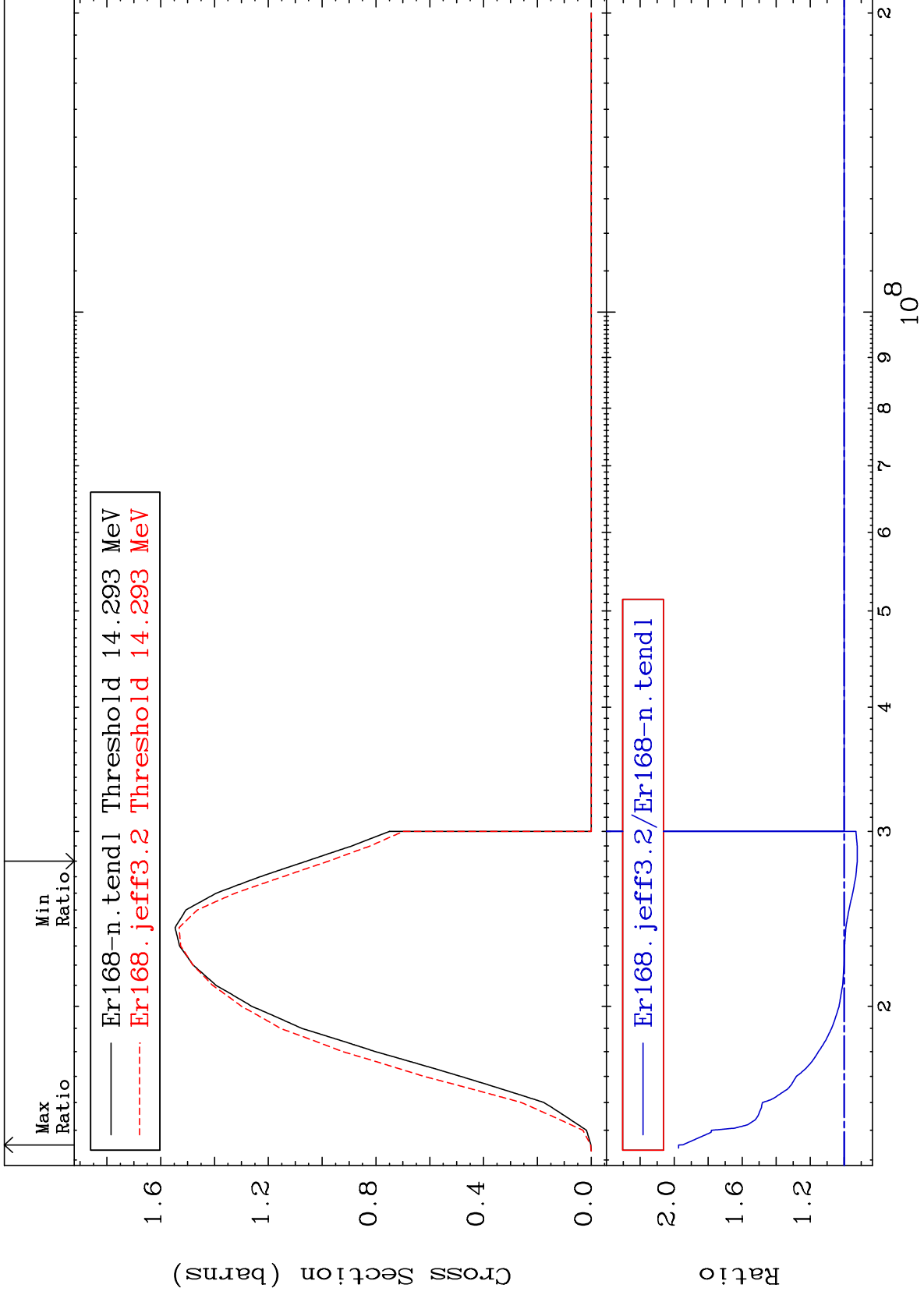
Incident Energy (eV)

68-Er-168

MAT 6843

(n,3n)  
Cross Section

68-Er-168  
-7.717 To 97.39 %



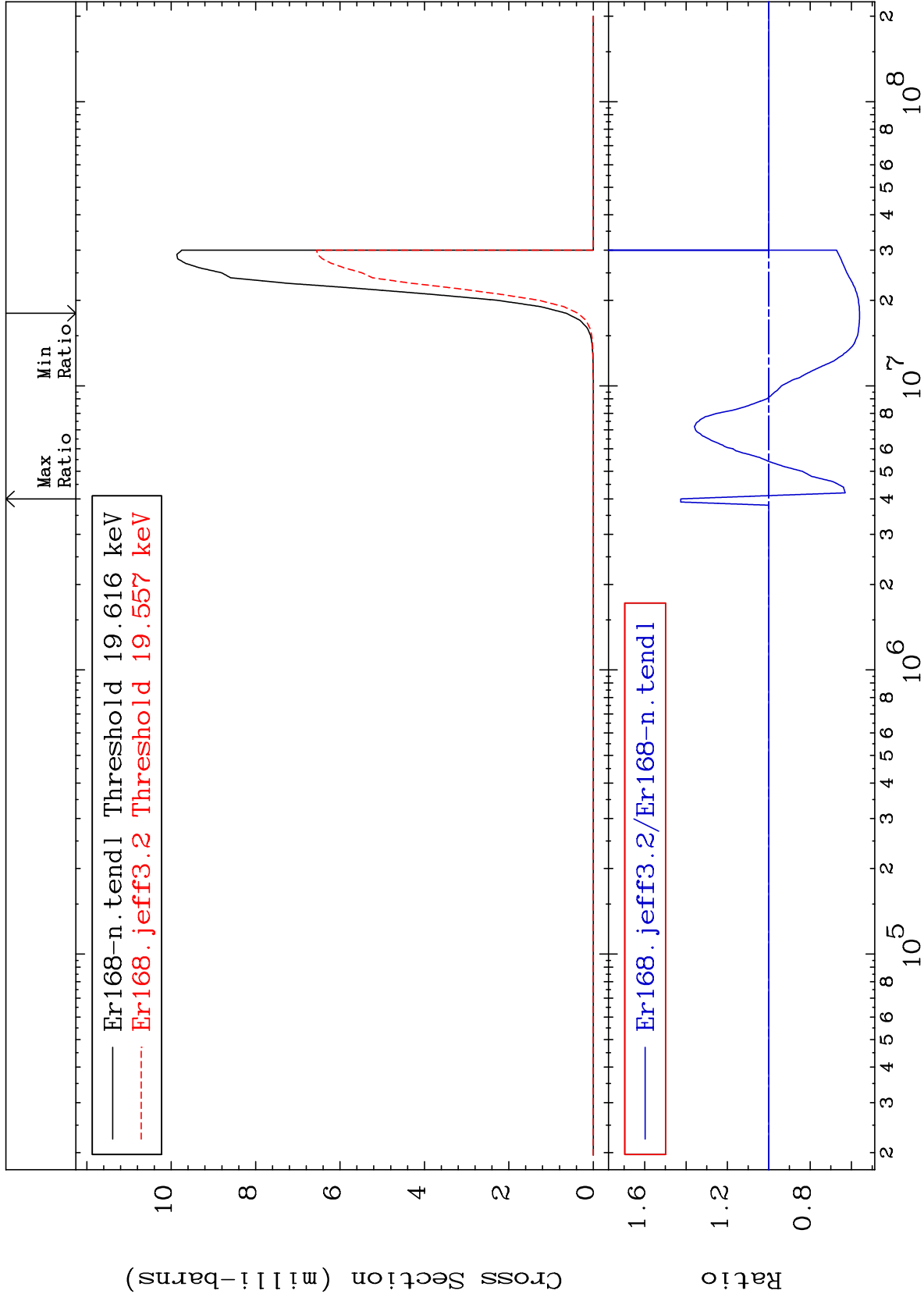
MAT 6843

(n, n')  $\alpha$

68-Er-168

Cross Section

-43.90 To 42.57 %

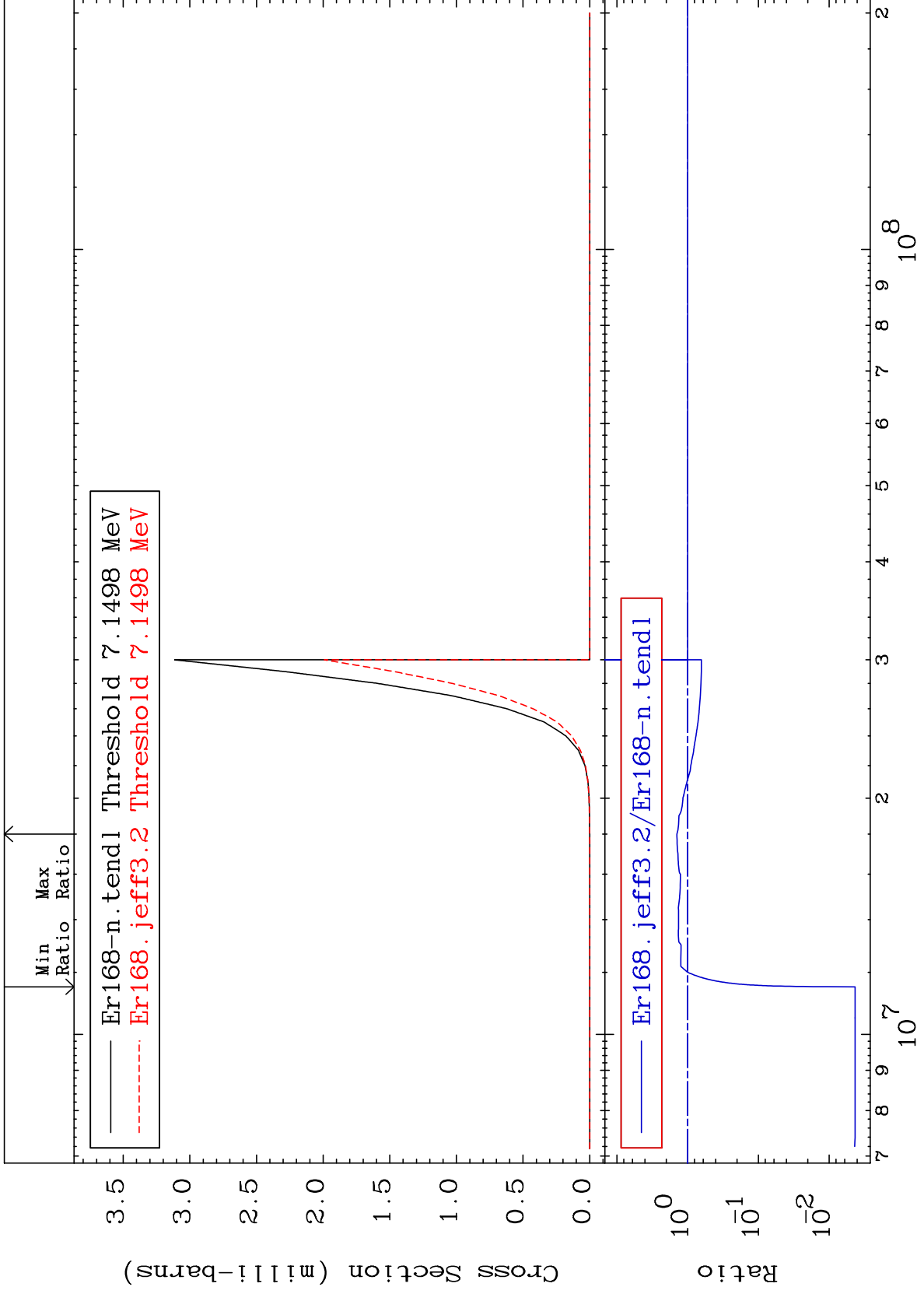




MAT 6843

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

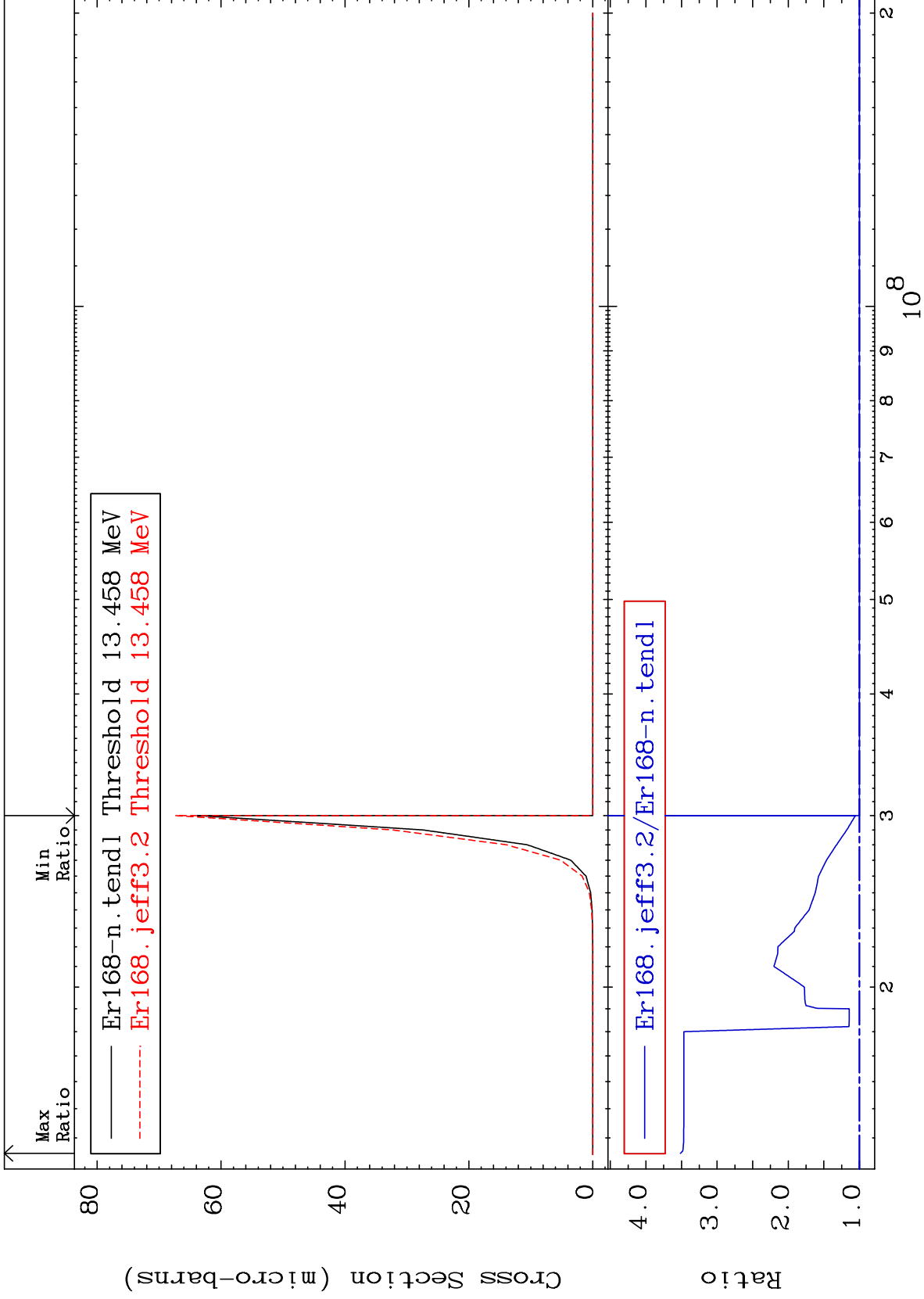
68-Er-168  
-99.57 To 41.66 %



MAT 6843

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

68-Er-168  
To 251.6 %  
0.000



10

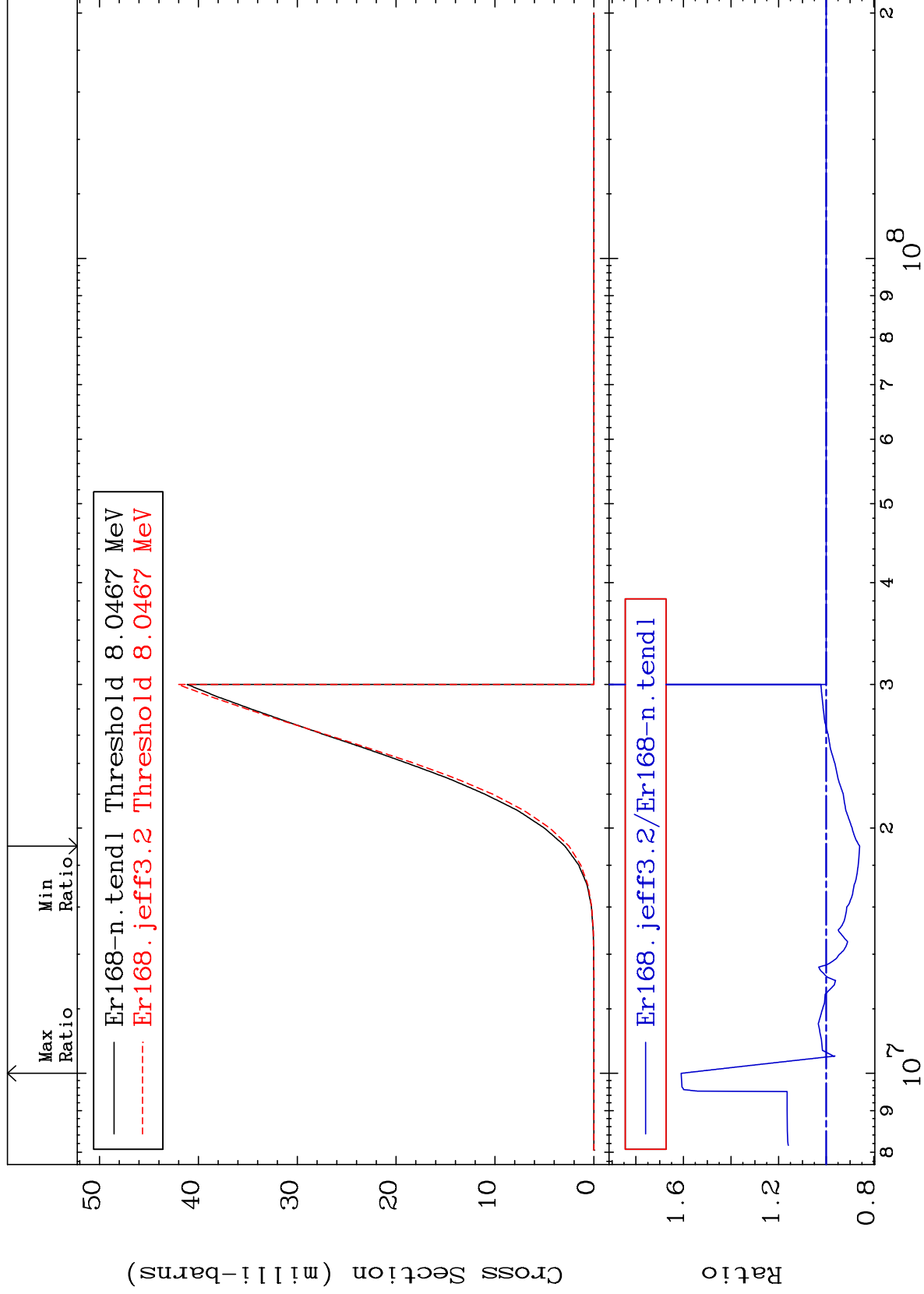
68-Er-168

68-Er-168

MAT 6843

(n, n') p  
Cross Section

68-Er-168  
-14.06 To 60.96 %



11

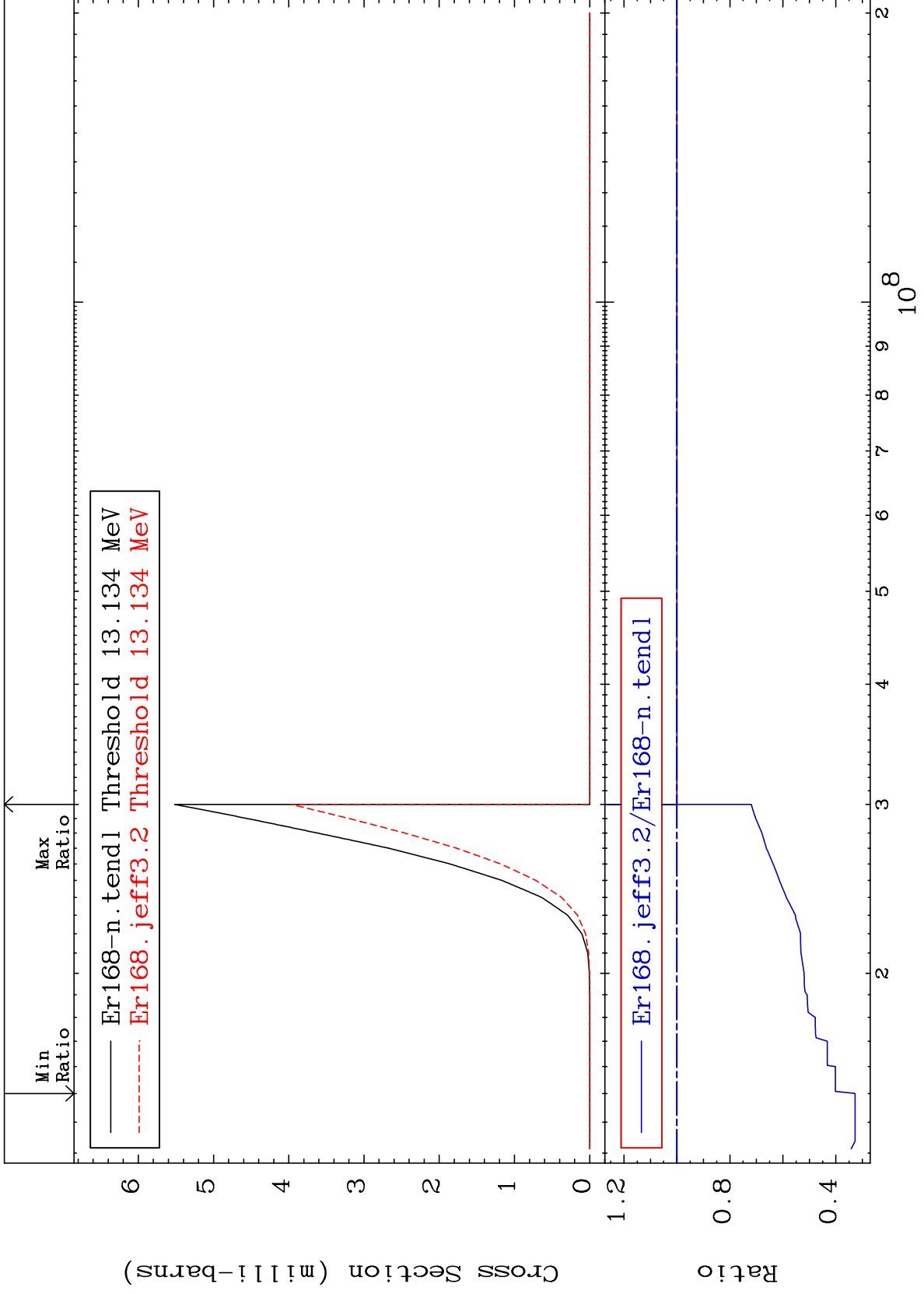
68-Er-168

68-Er-168

MAT 6843

(n, n') d  
Cross Section

68-Er-168  
-67.25 To 0.000 %



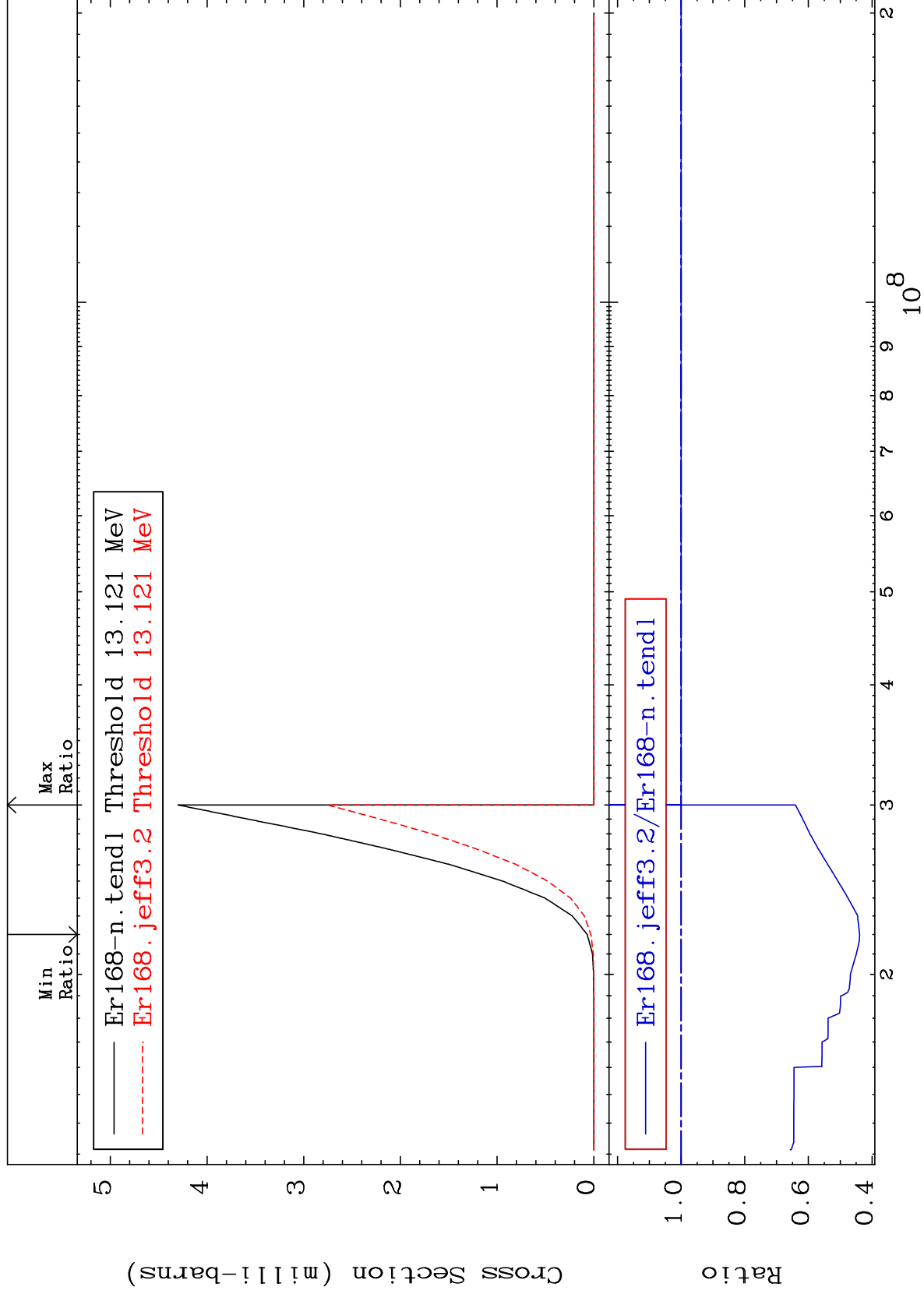
MAT 6843

(n, n') t

68-Er-168

Cross Section

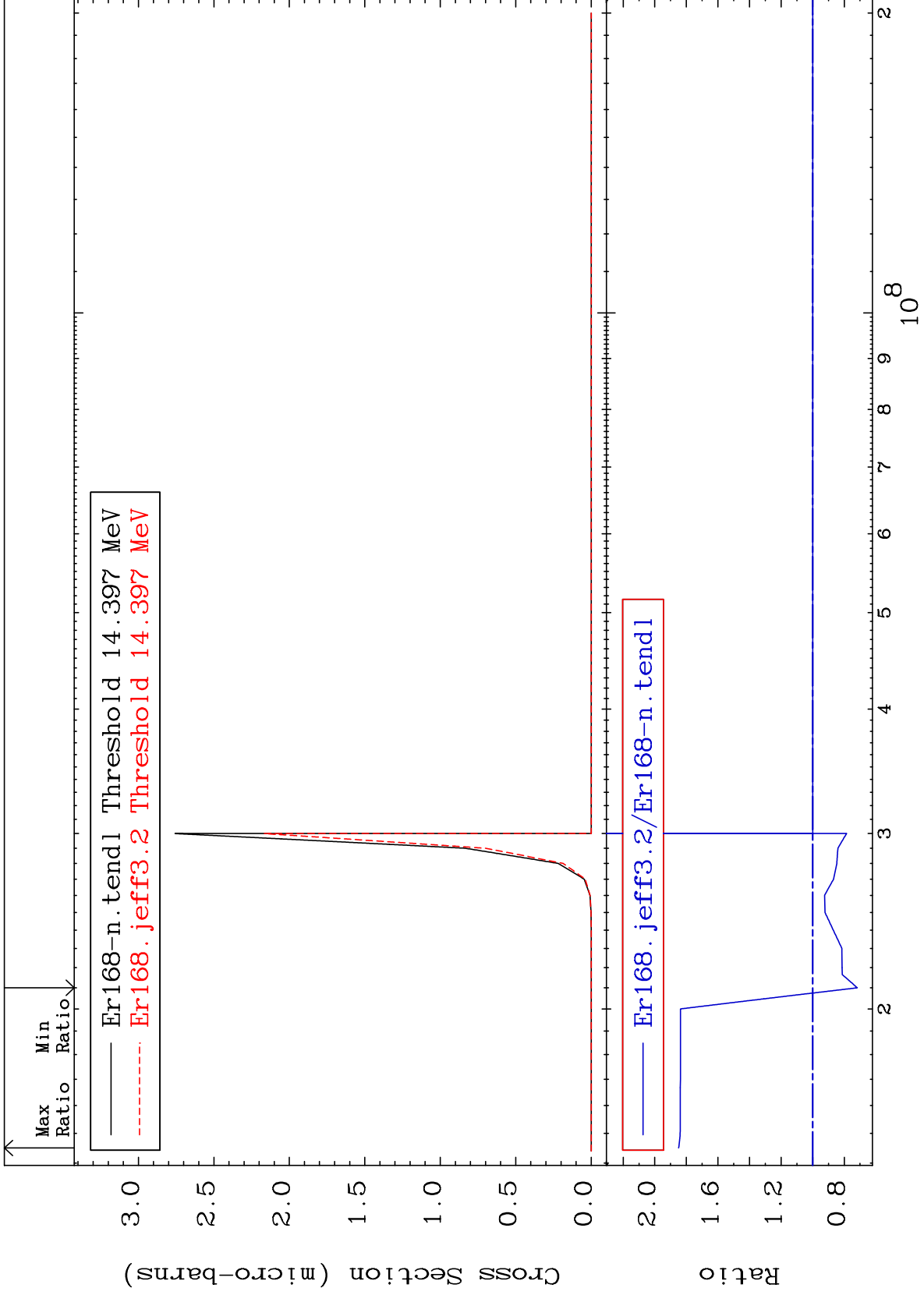
-56.11 To 0.000 %



MAT 6843

(n, n') He-3  
Cross Section

68-Er-168  
-28.23 To 84.89 %



MAT 6843

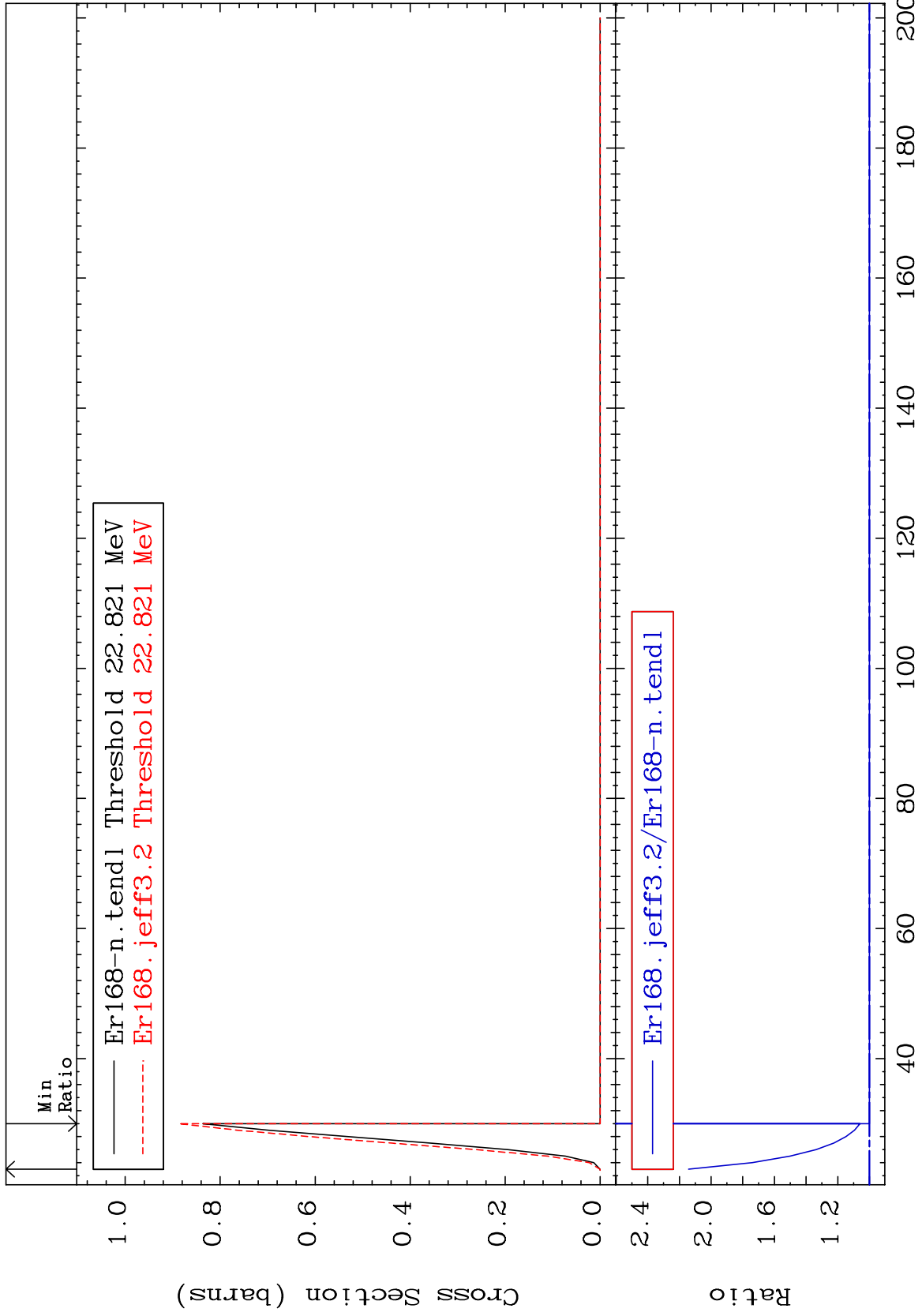
(n,4n)

68-Er-168

Cross Section

0.000

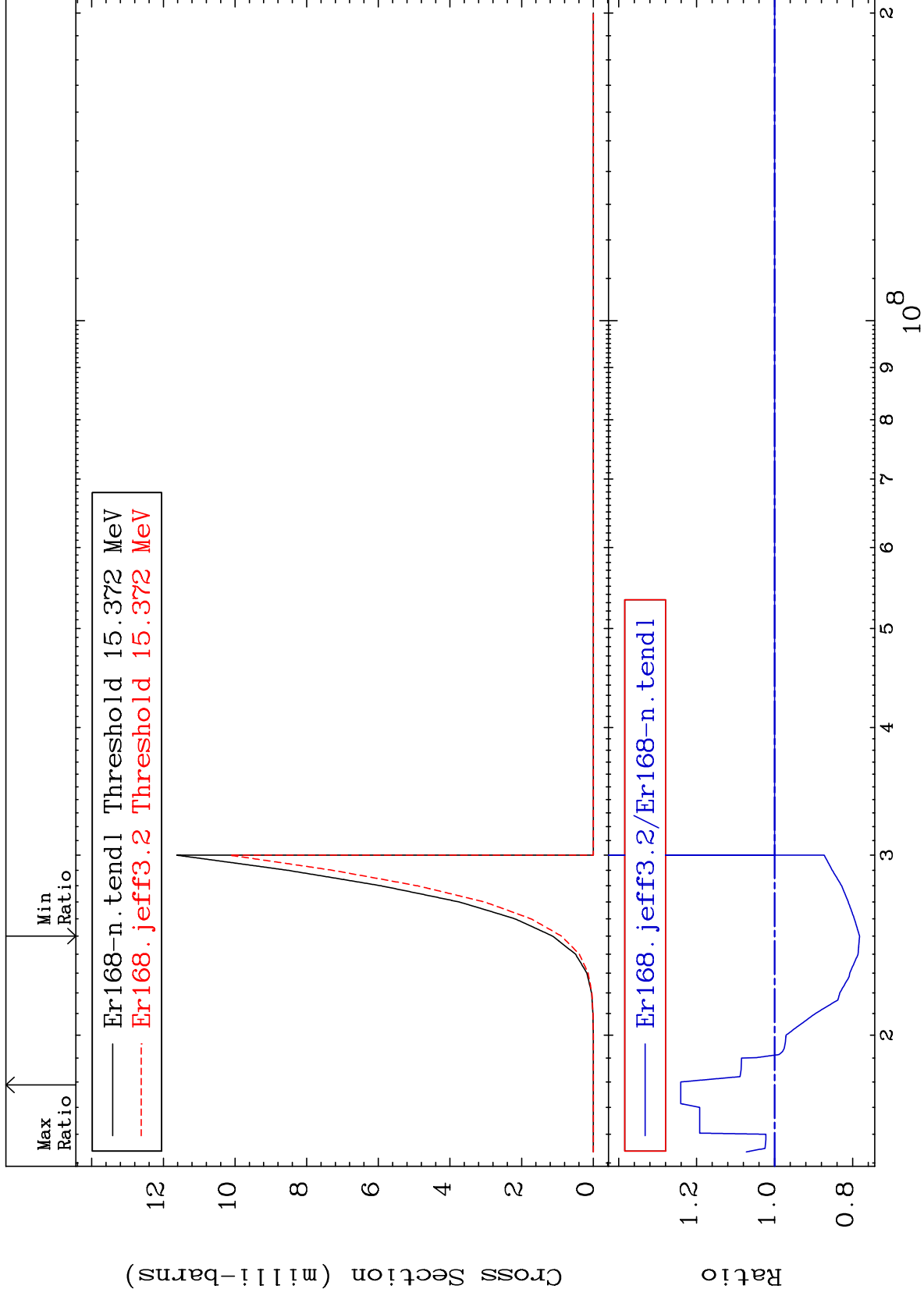
To 114.2 %



MAT 6843

(n,2n) p  
Cross Section

68-Er-168  
-21.76 To 24.07 %

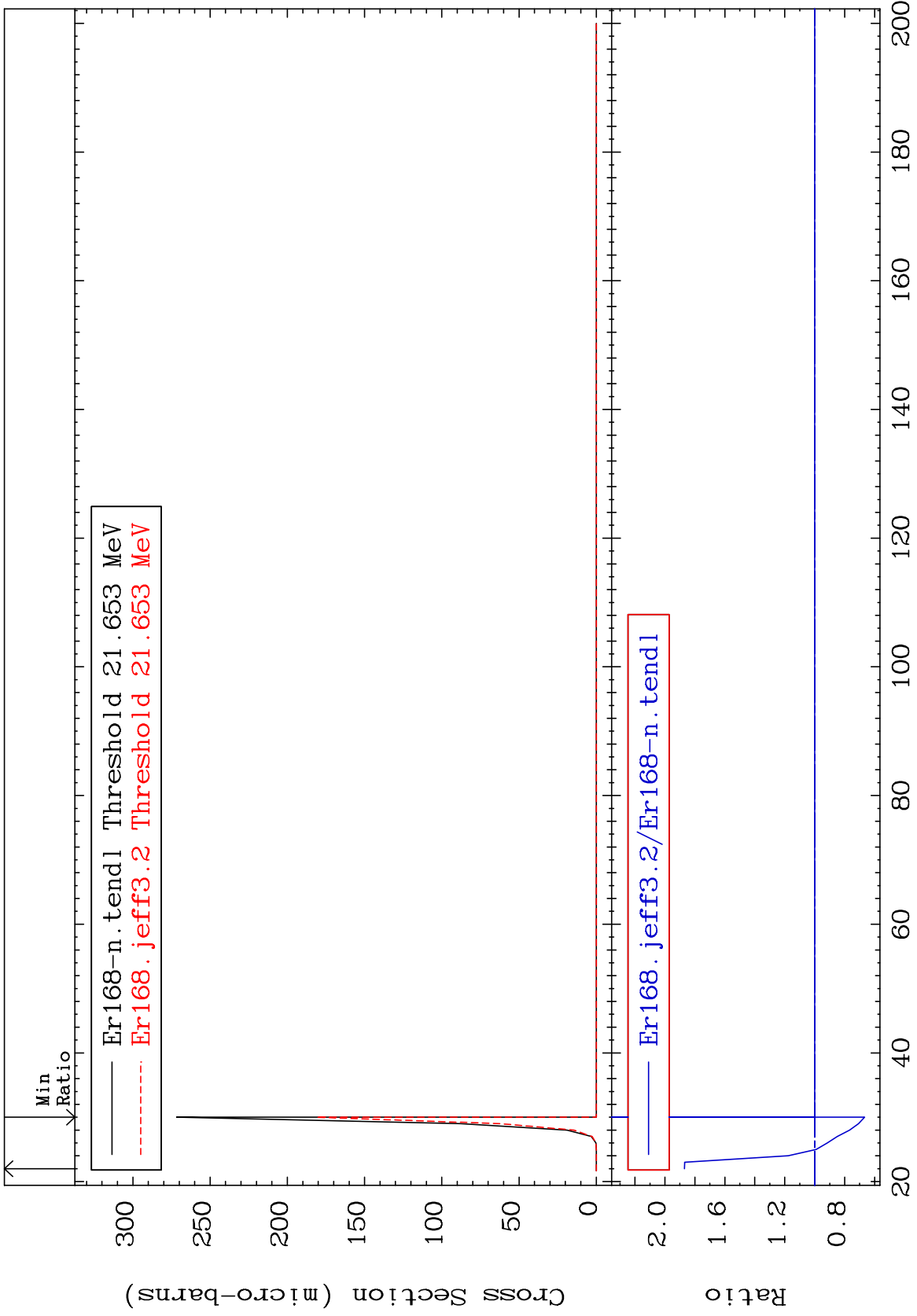


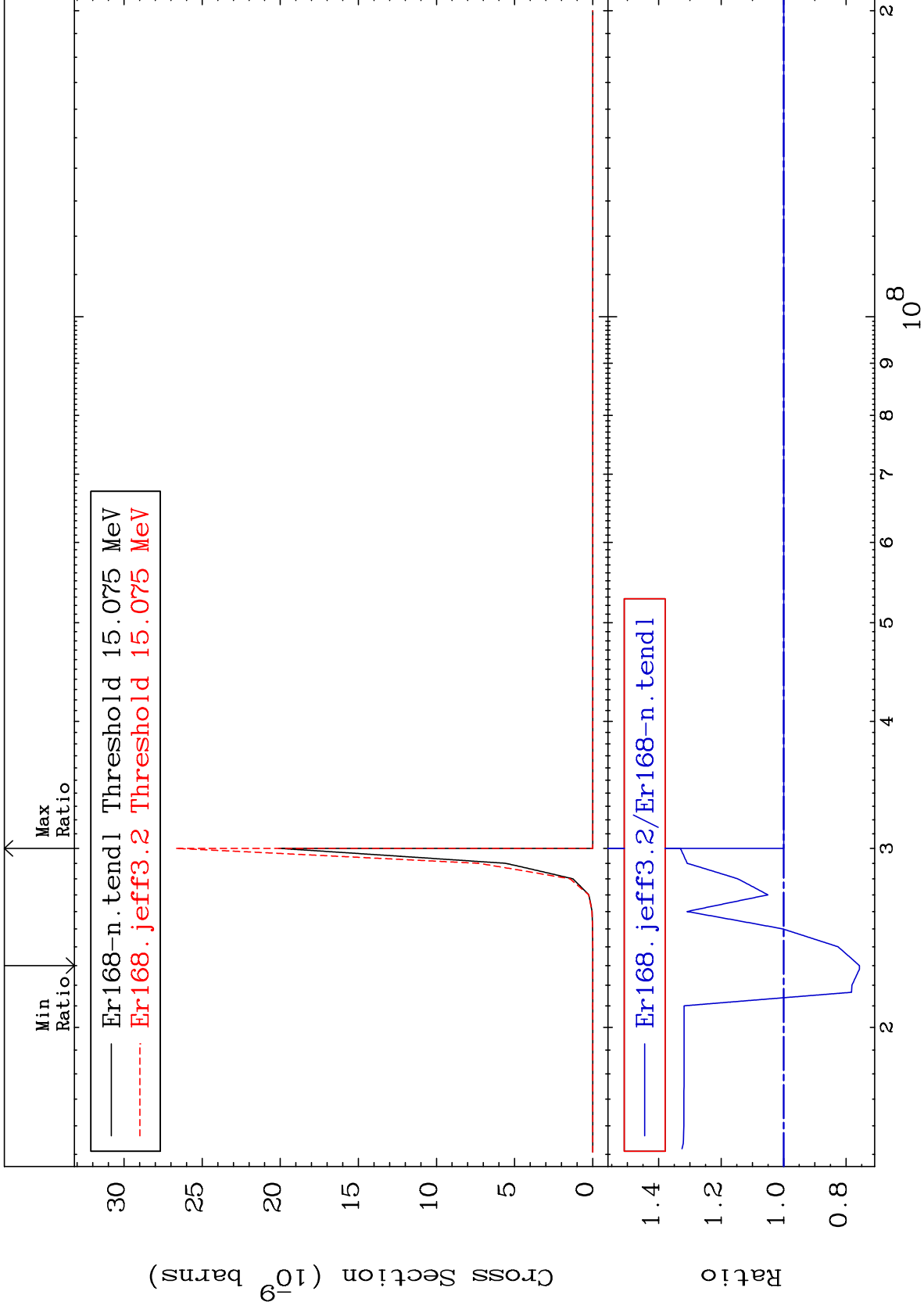


MAT 6843

(n,3n) p  
Cross Section

68-Er-168  
-33.30 To 86.94 %

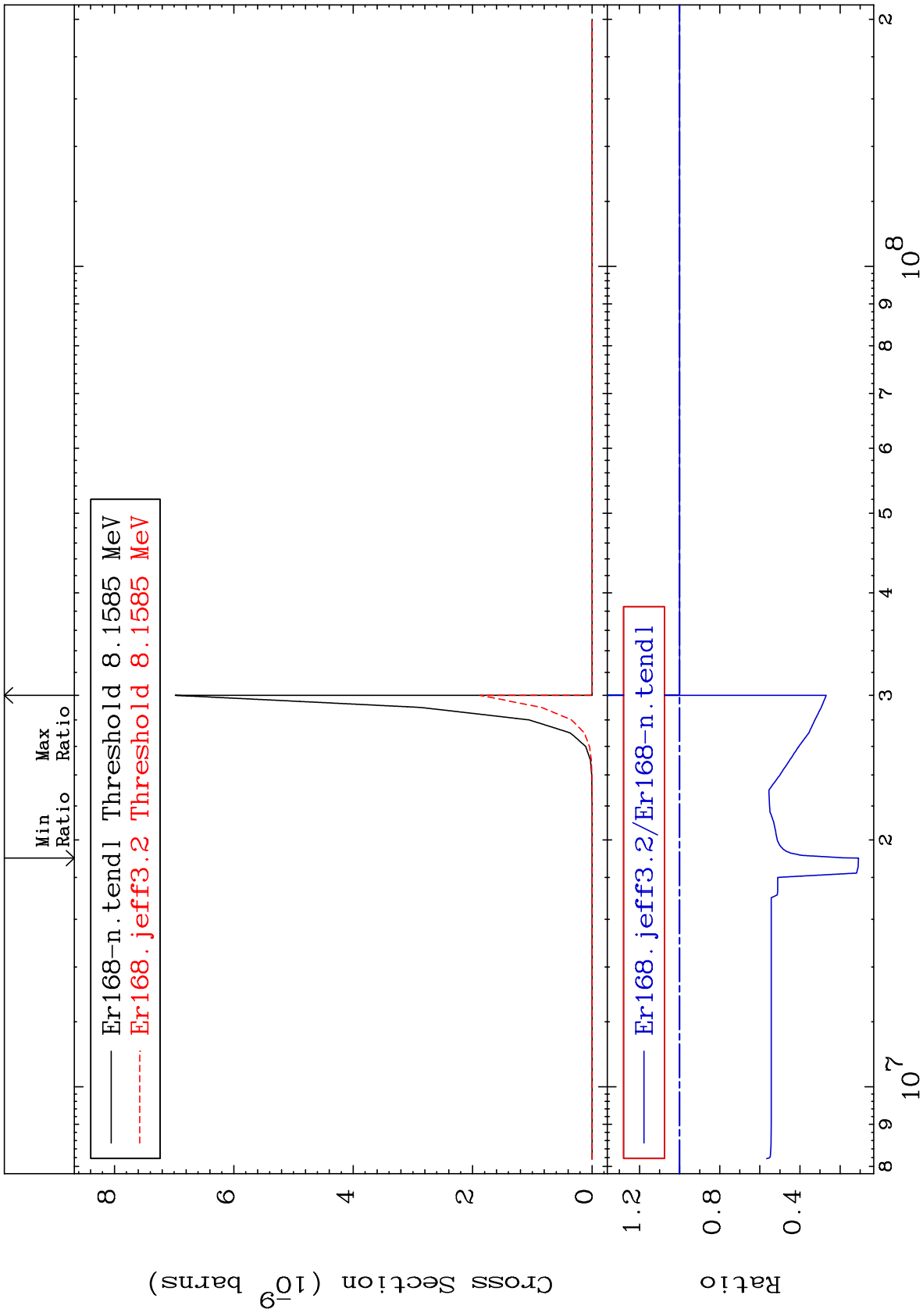




MAT 6843

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

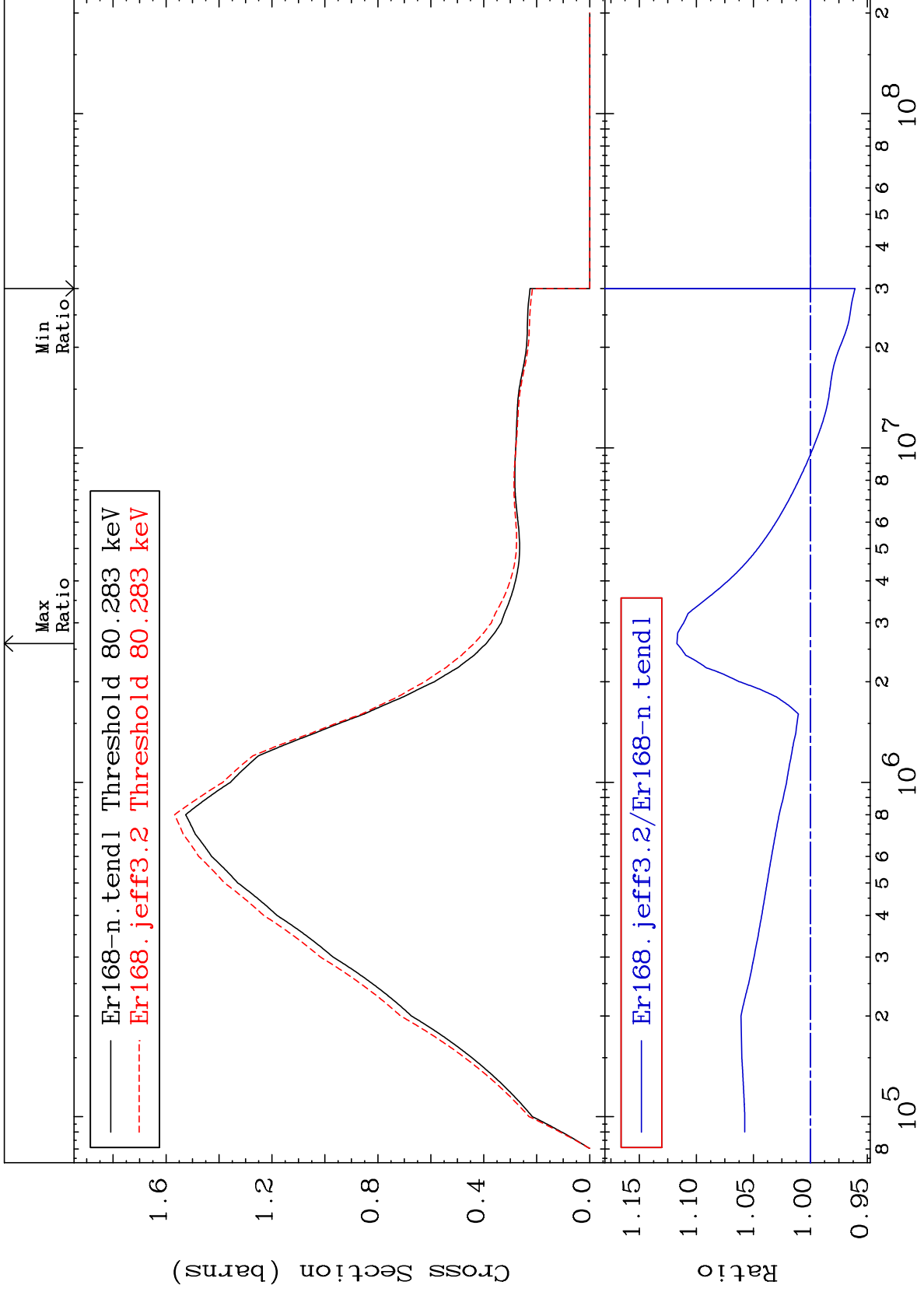
68-Er-168  
-89.16 To 0.000 %



MAT 6843

79.80 keV (n,n') Level  
Cross Section

68-Er-168  
-3.919 To 11.70 %



20

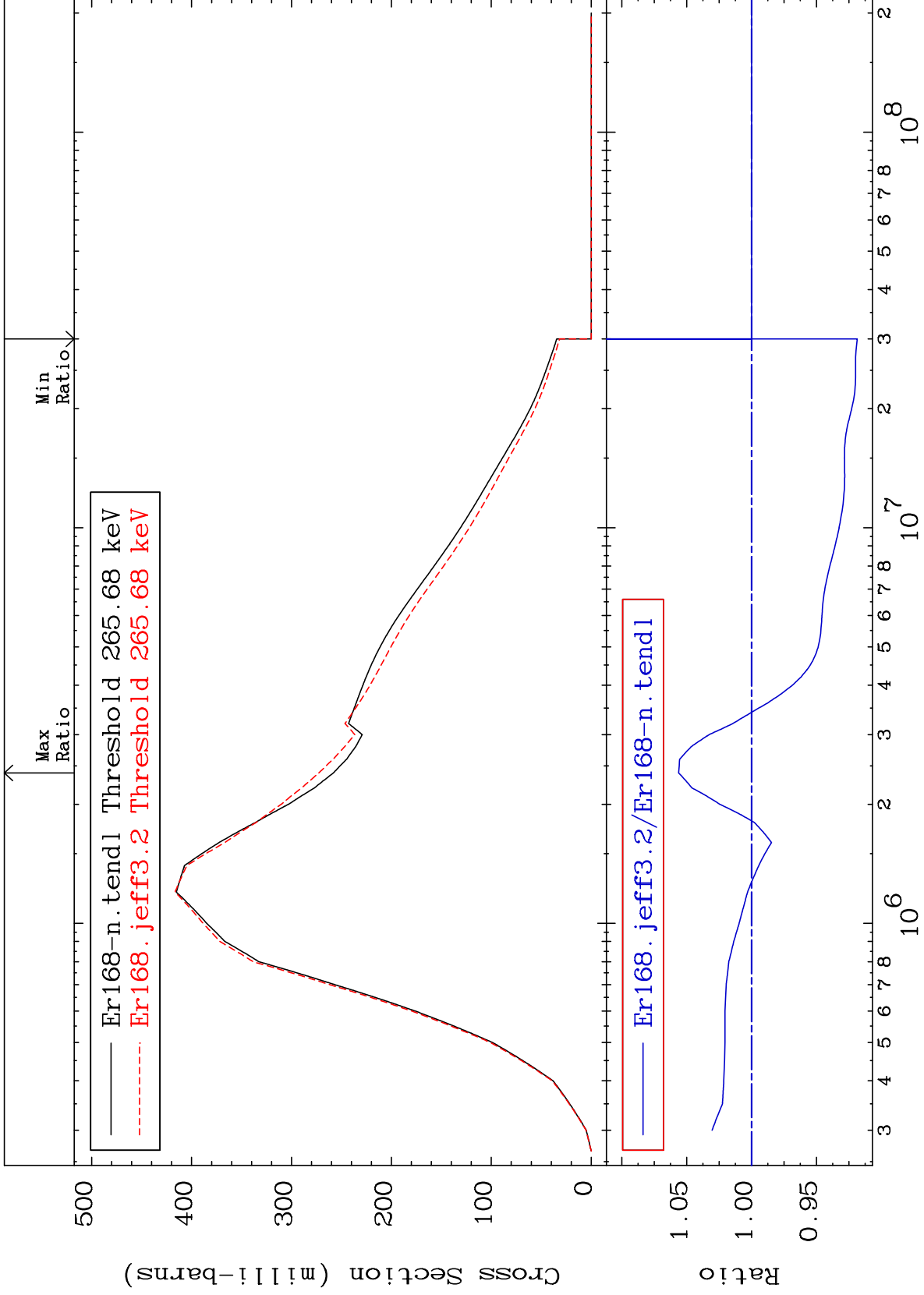
Incident Energy (eV)

68-Er-168

MAT 6843

264.1 keV (n,n') Level  
Cross Section

68-Er-168  
-8.143 To 5.622 %



21

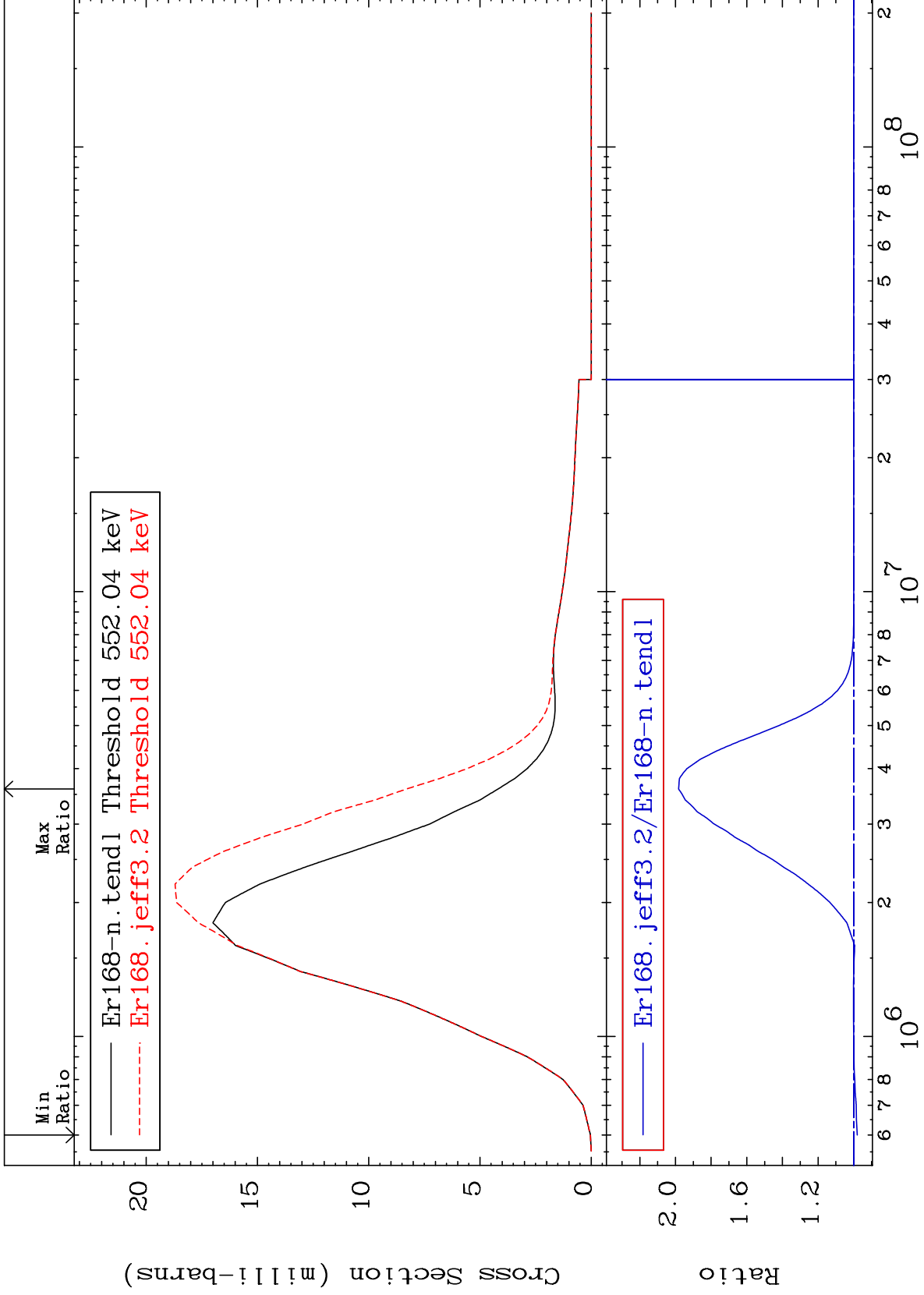
Incident Energy (eV)

68-Er-168

MAT 6843

548.7 keV (n,n') Level  
Cross Section

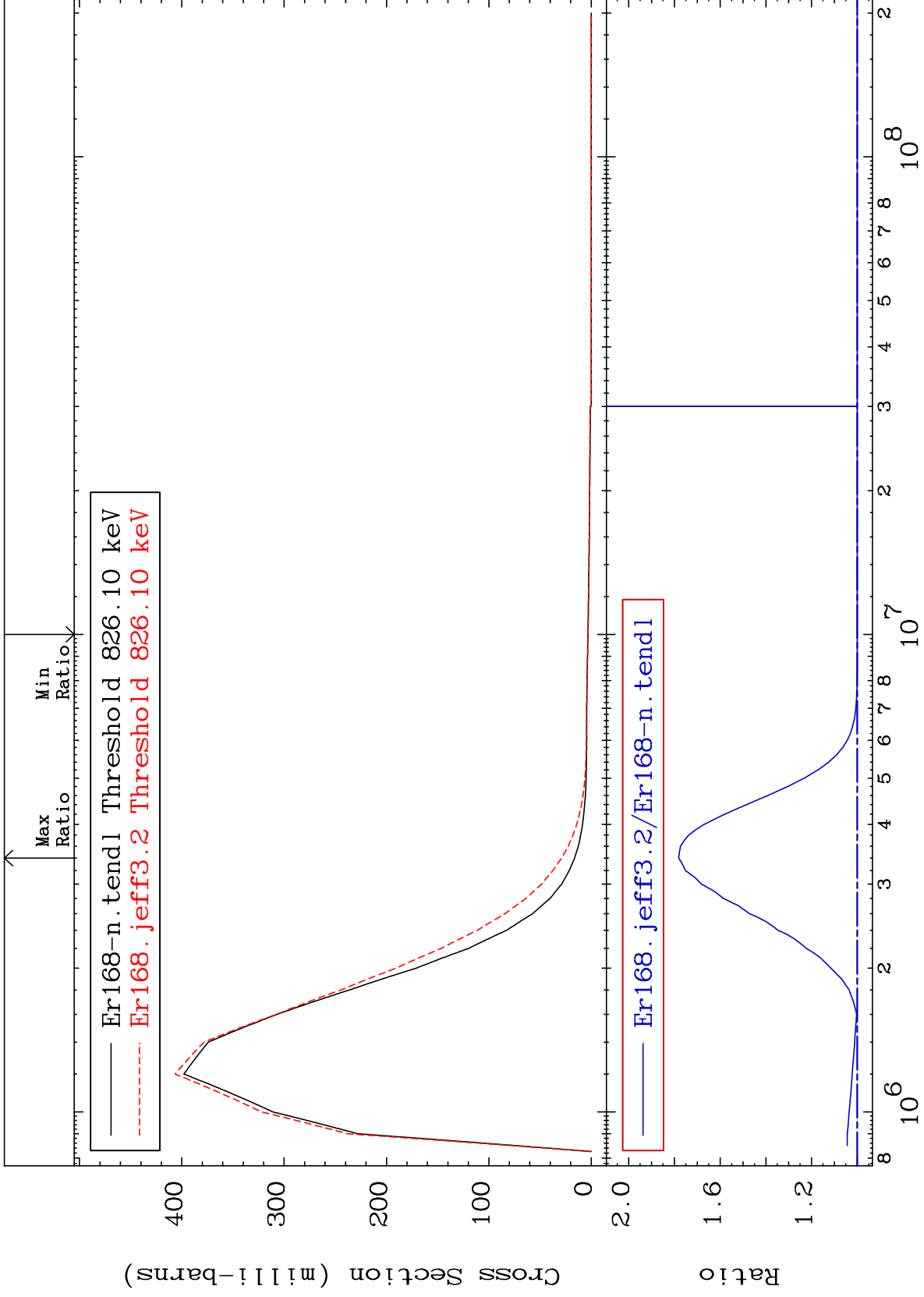
68-Er-168  
-1.974 To 98.23 %



MAT 6843

821.2 keV (n,n') Level  
Cross Section

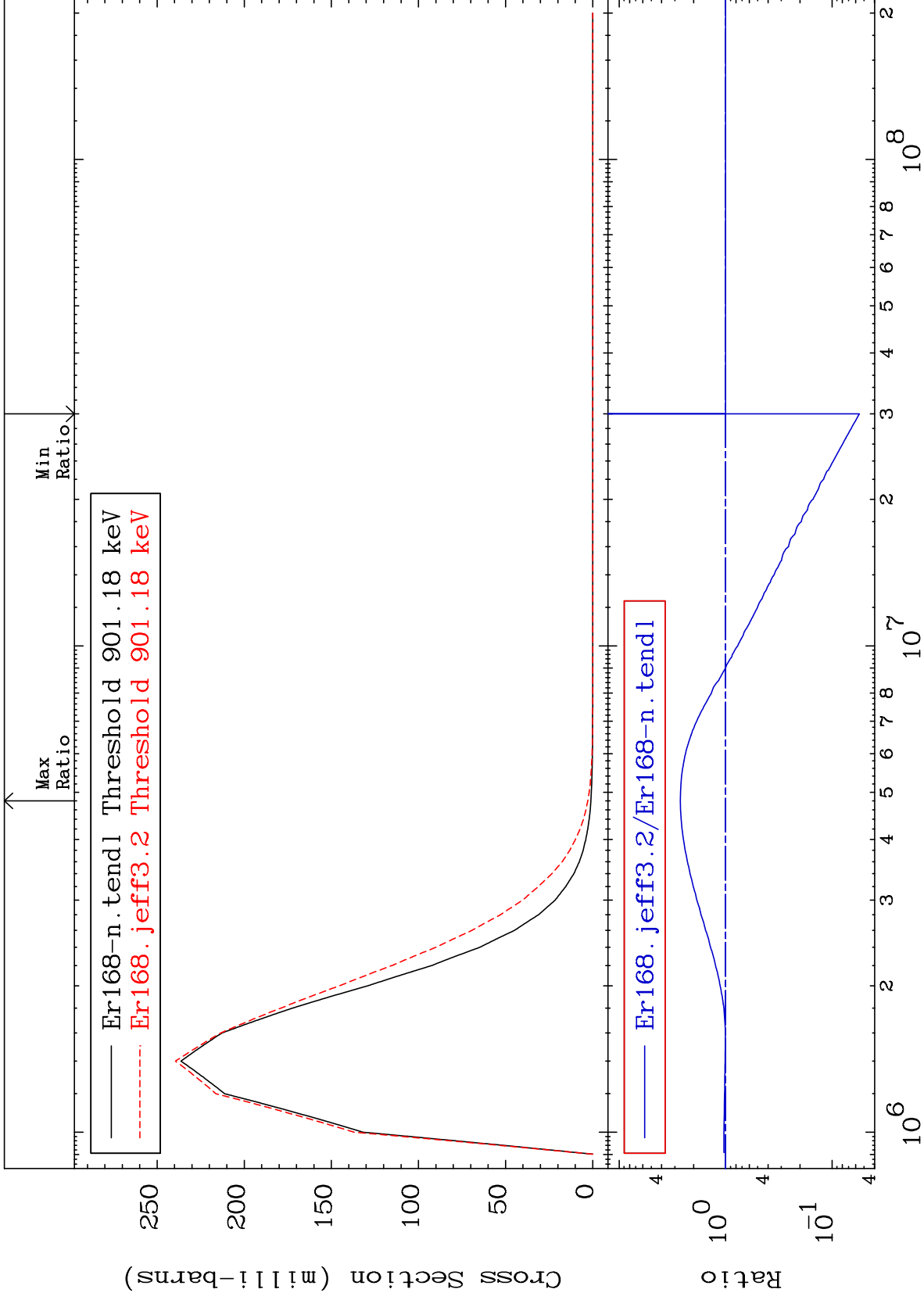
68-Er-168  
-0.005 To 78.17 %



MAT 6843

895.8 keV (n,n') Level  
Cross Section

68-Er-168  
-94.47 To 166.5 %



24

Incident Energy (eV)

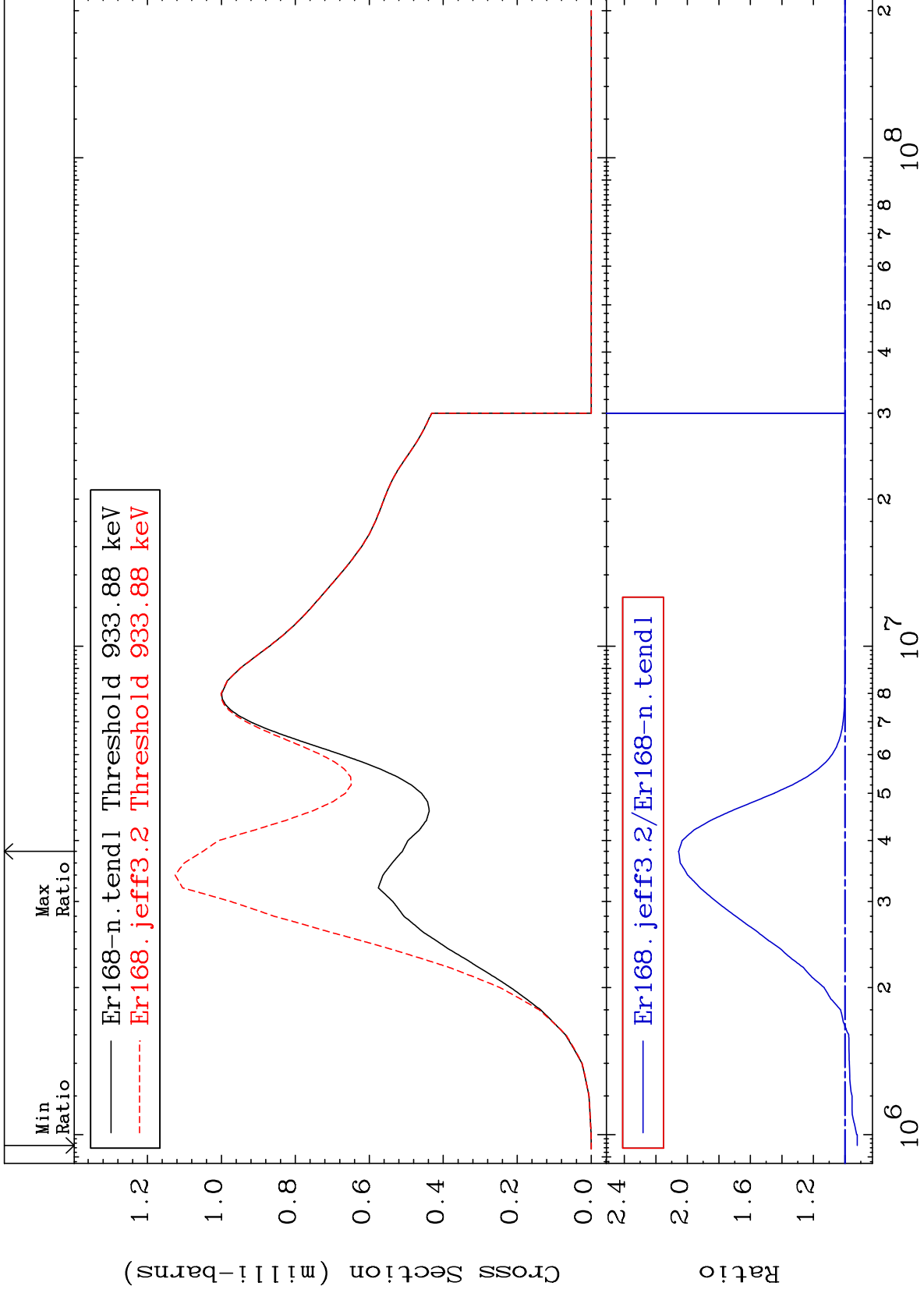
68-Er-168



MAT 6843

928.3 keV (n,n') Level  
Cross Section

68-Er-168  
-7.799 To 105.6 %



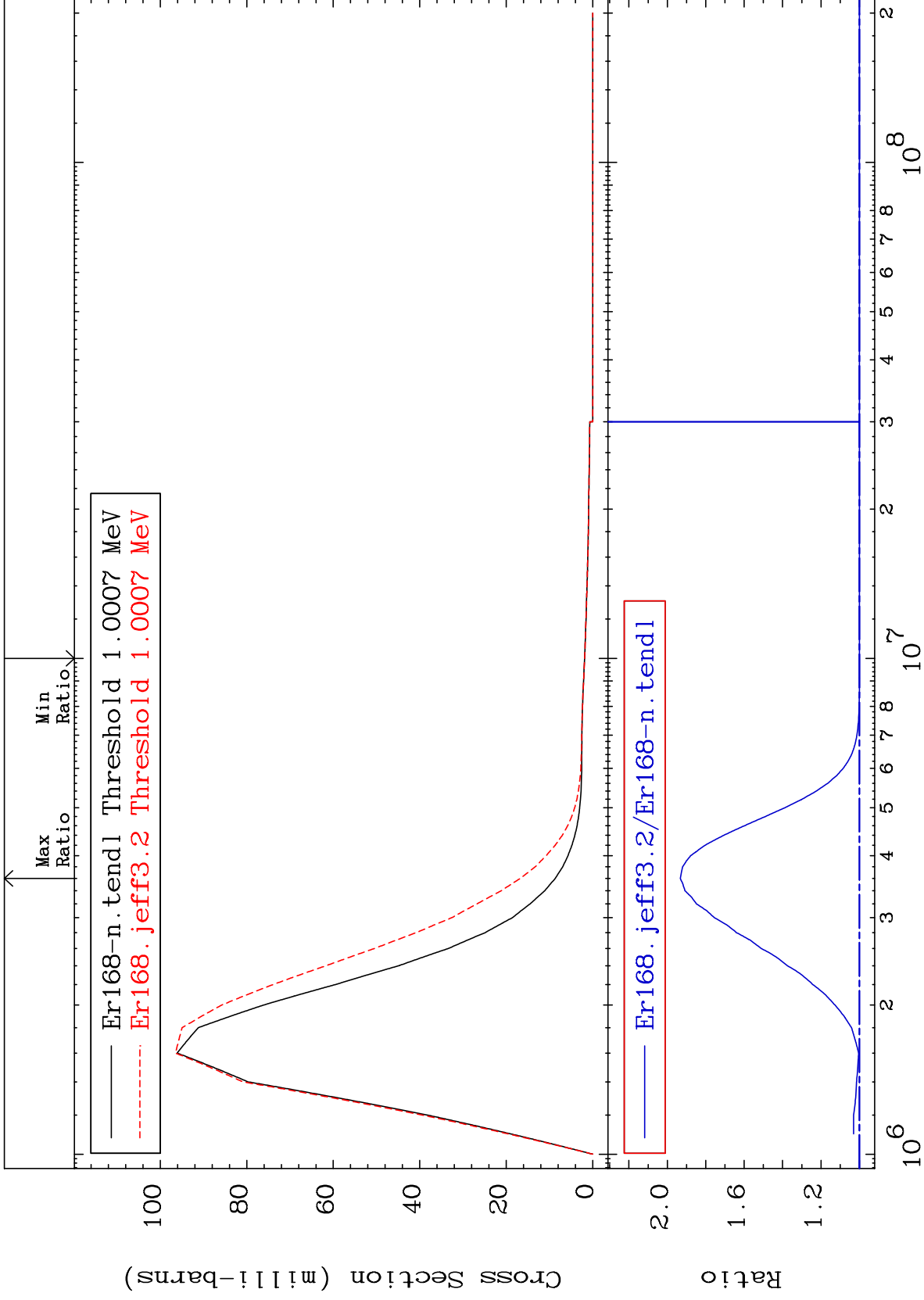
25

68-Er-168

MAT 6843

994.7 keV (n,n') Level  
Cross Section

68-Er-168  
-0.010 To 93.21 %



26

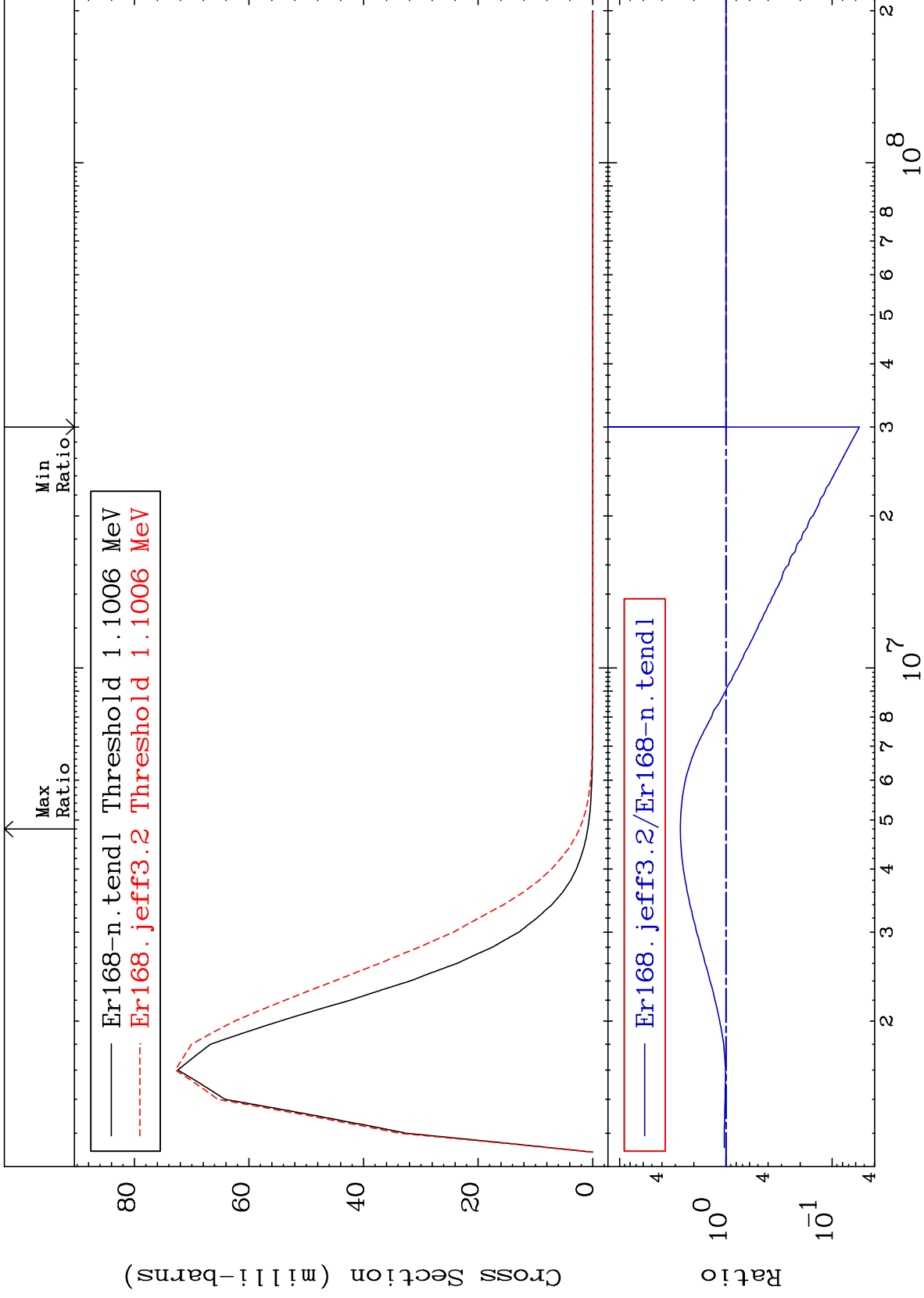
Incident Energy (eV)

68-Er-168

MAT 6843

1.094 MeV (n,n') Level  
Cross Section

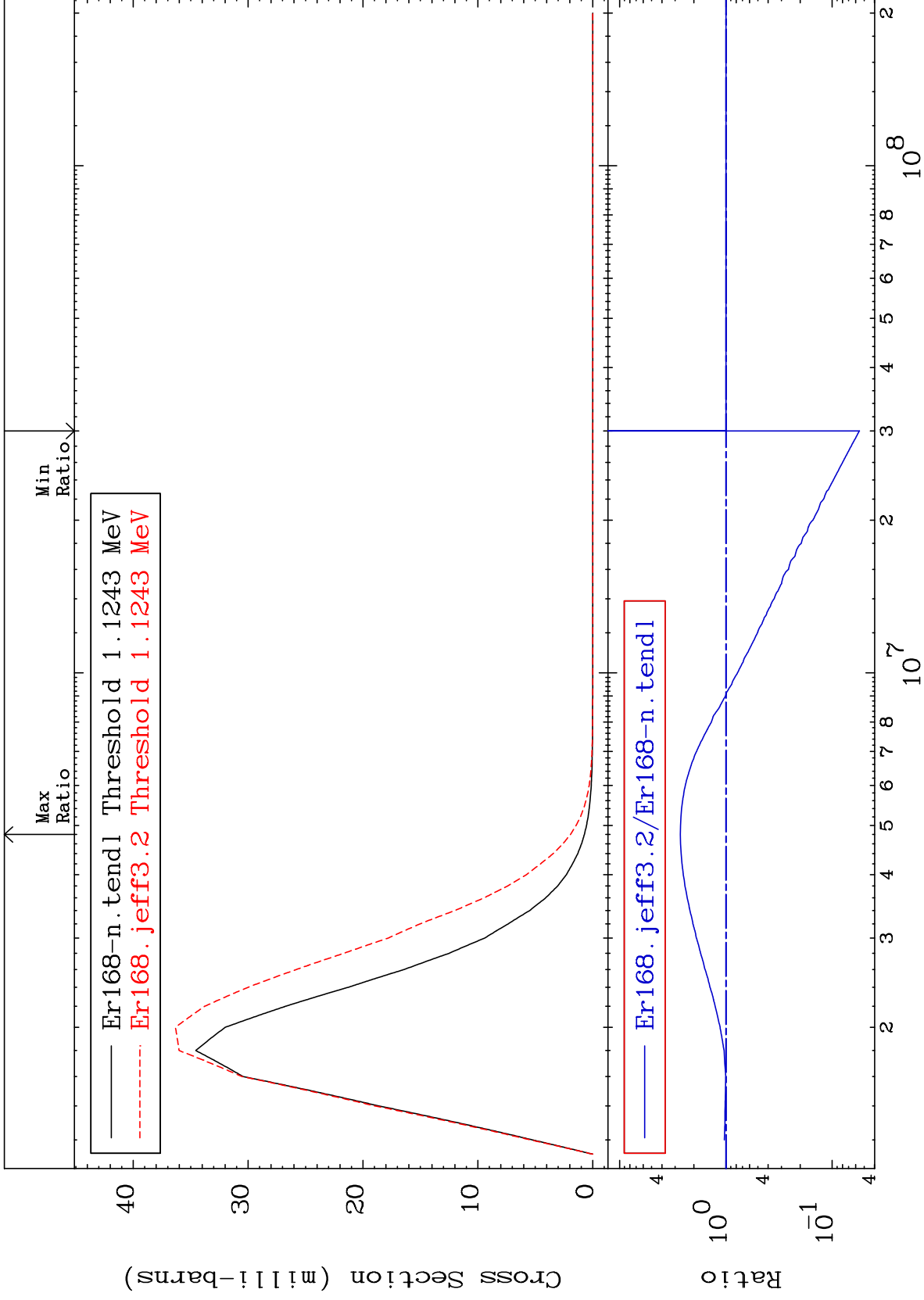
68-Er-168  
-94.46 To 168.5 %

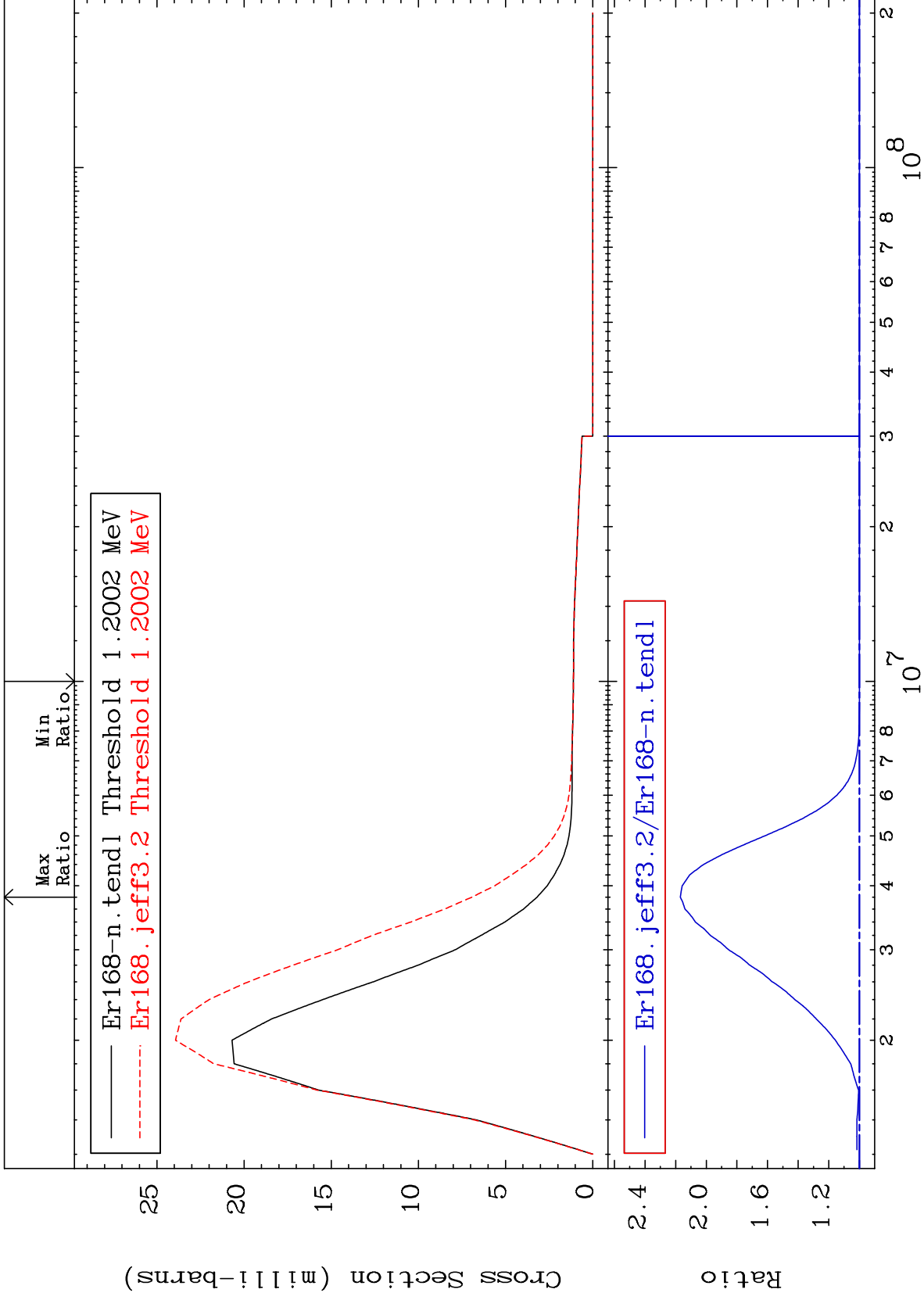


MAT 6843

1.118 MeV (n,n') Level  
Cross Section

68-Er-168  
-94.46 To 168.2 %

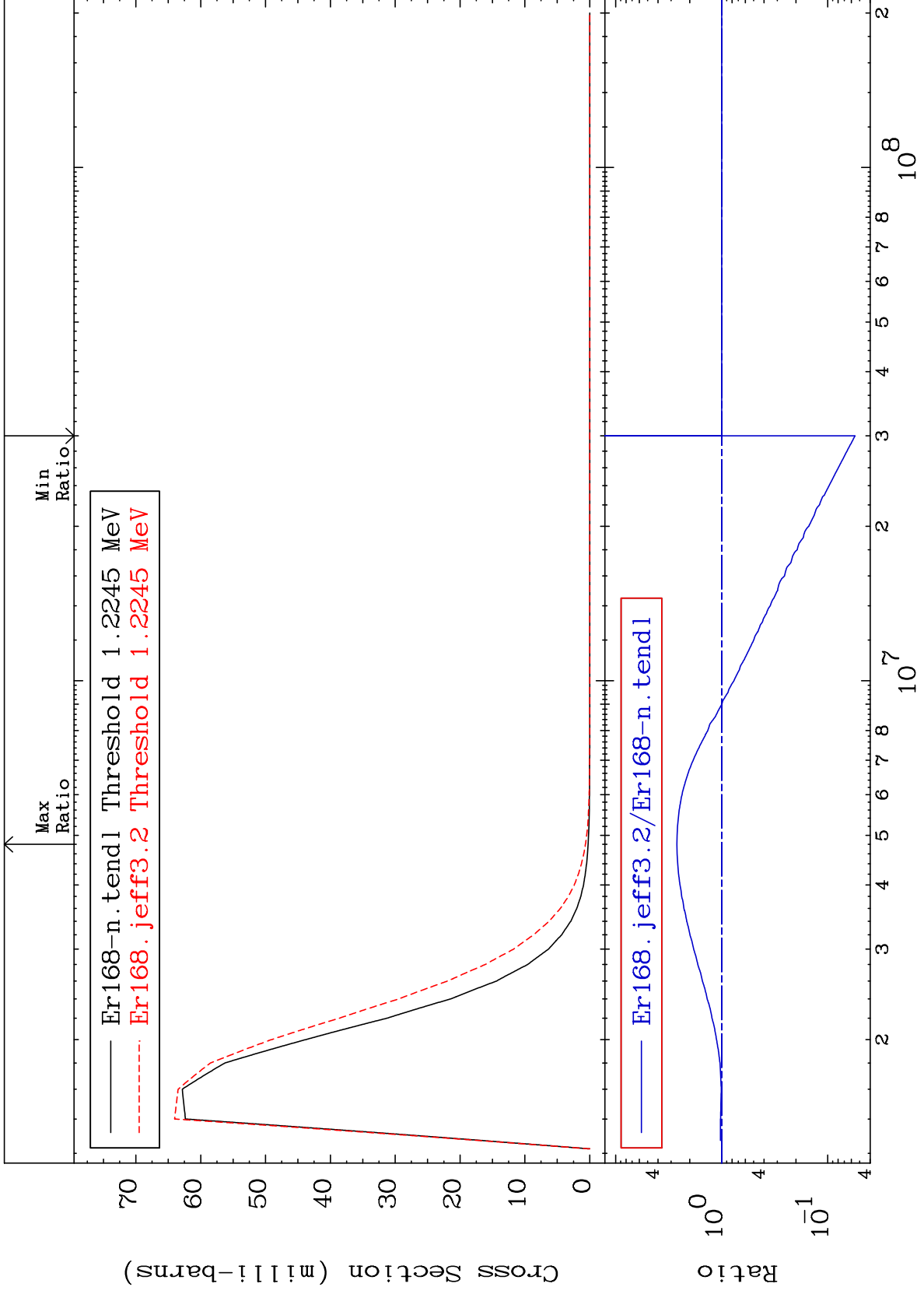




MAT 6843

1.217 MeV (n,n') Level  
Cross Section

68-Er-168  
-94.47 To 164.8 %



30

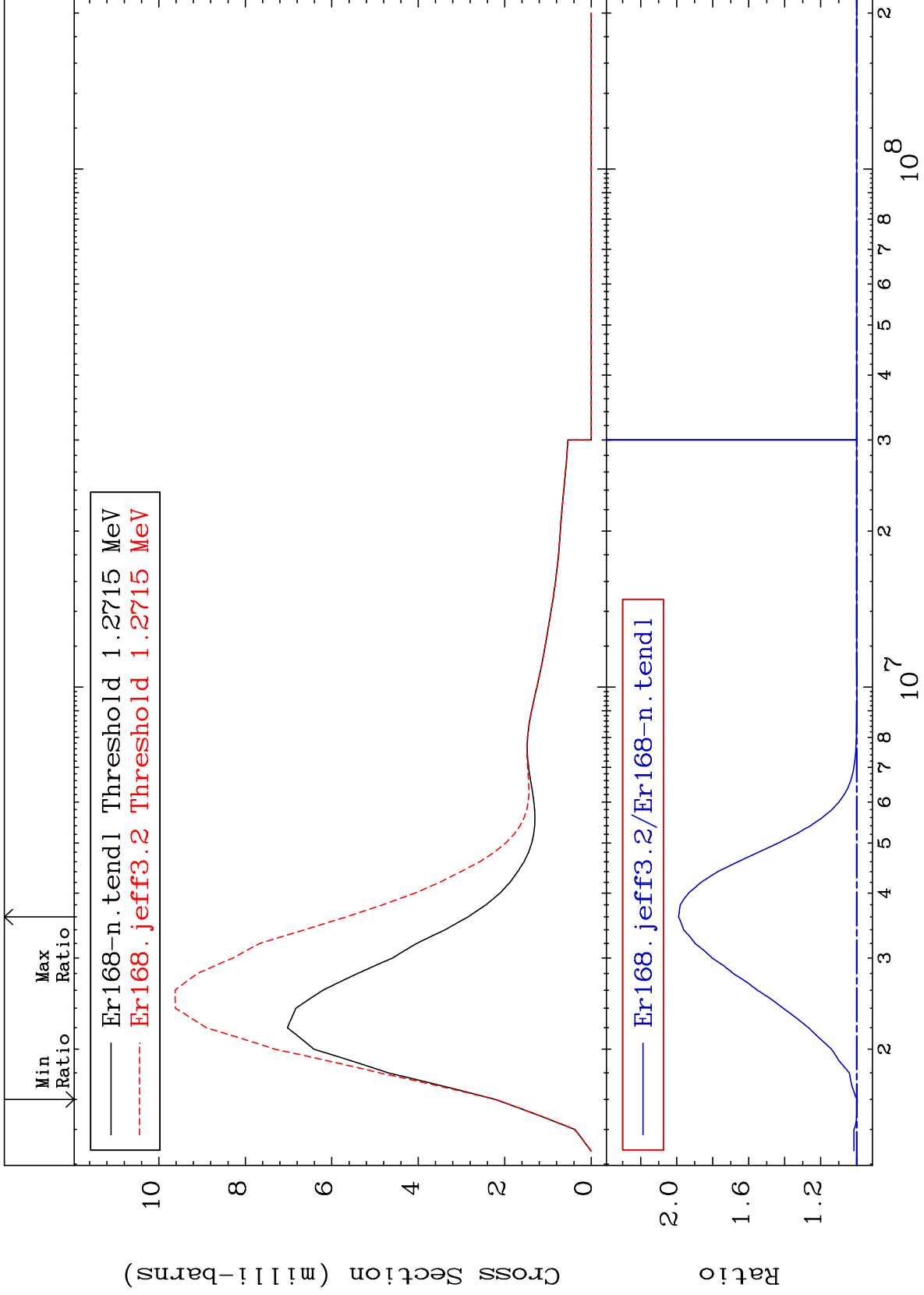
Incident Energy (eV)

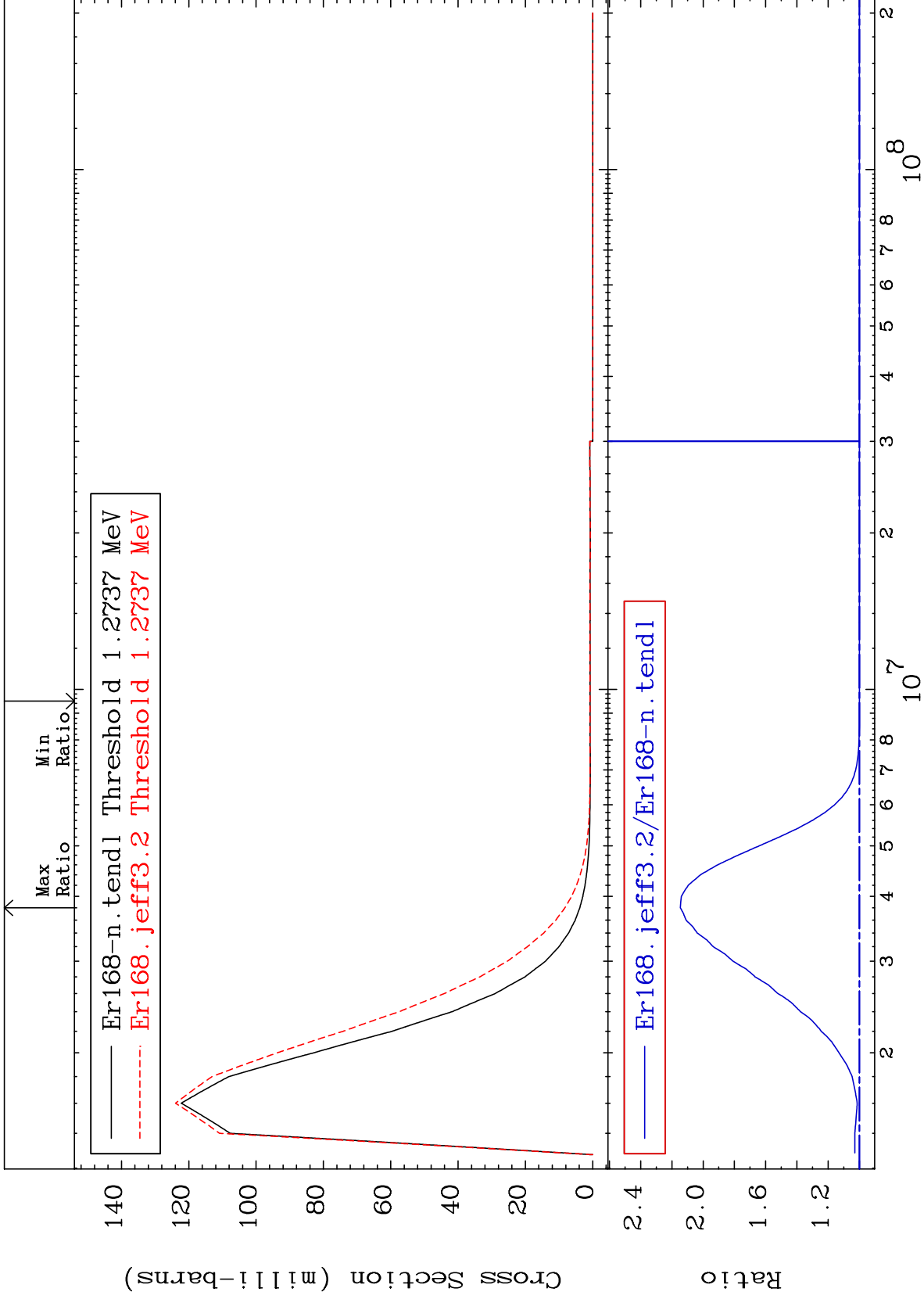
68-Er-168

MAT 6843

1.264 MeV (n,n') Level  
Cross Section

68-Er-168  
-0.298 To 98.92 %



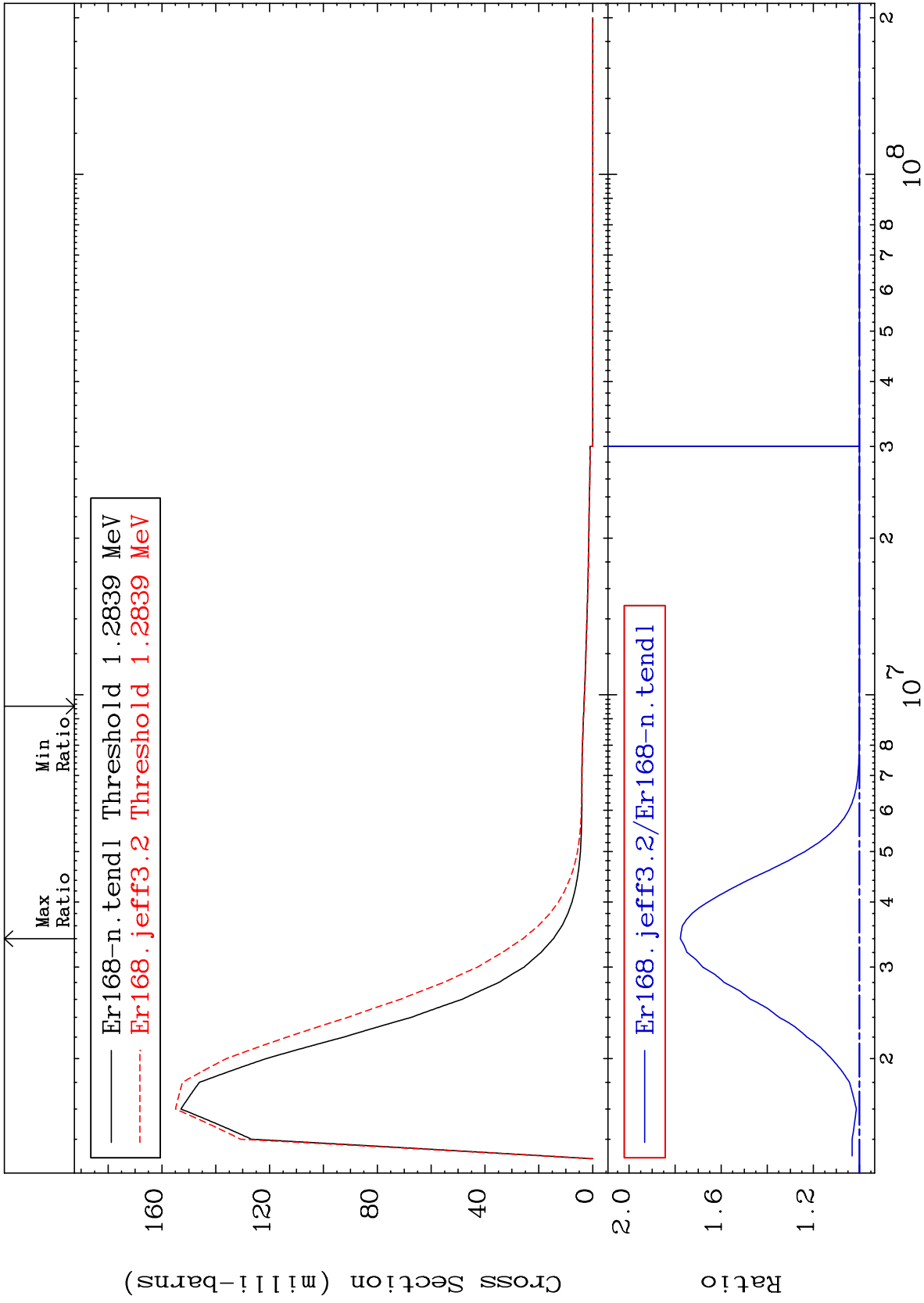


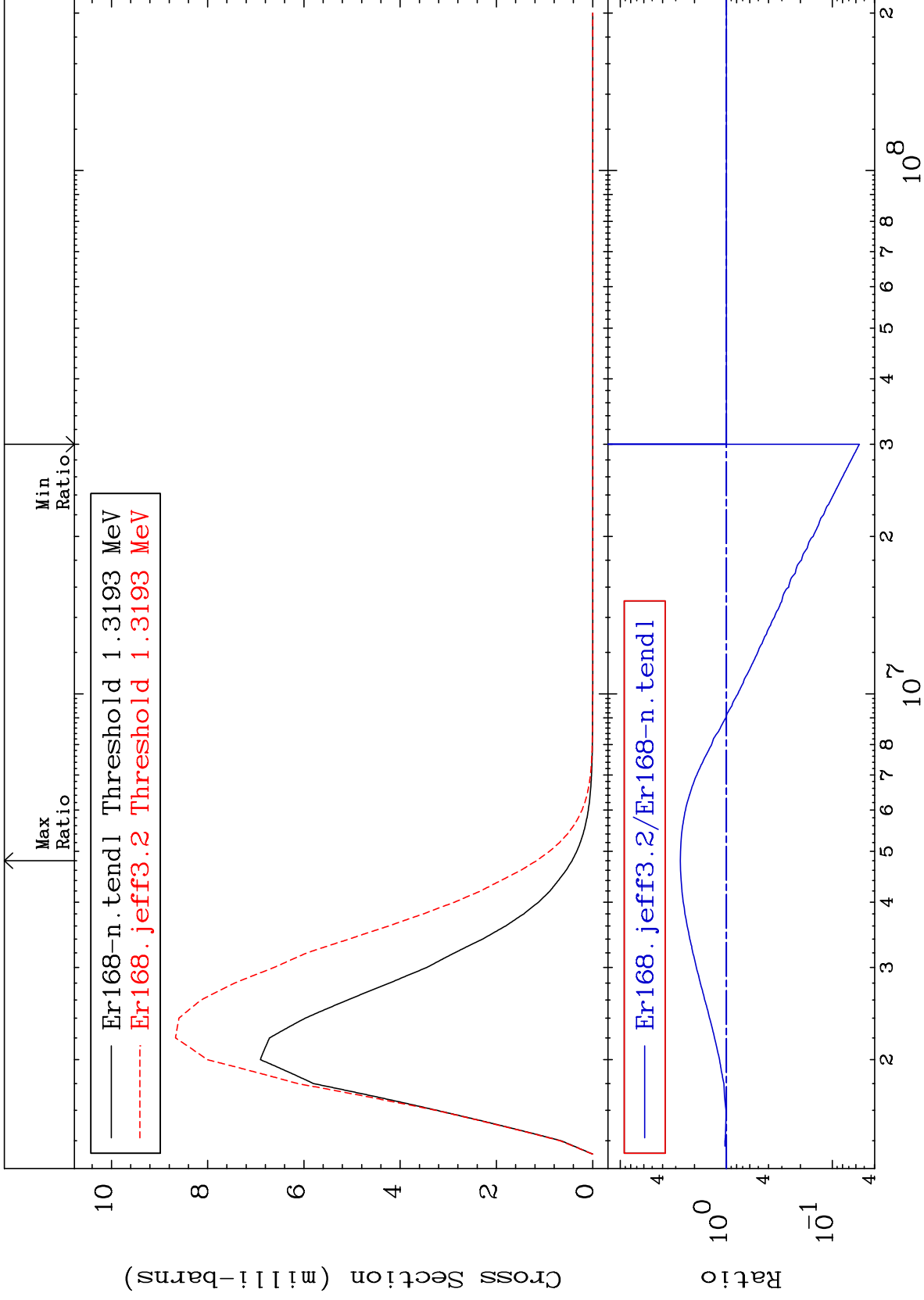


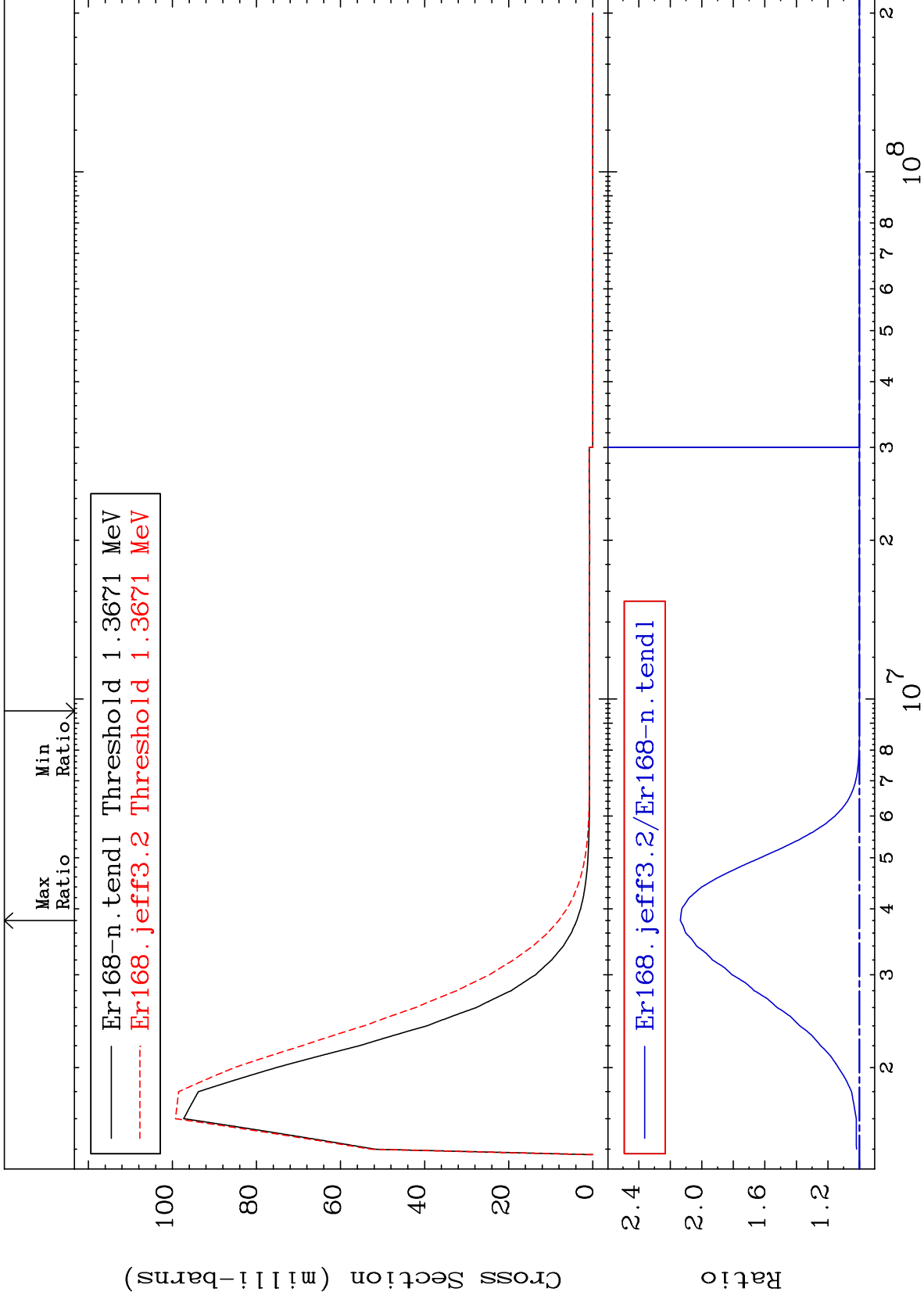
MAT 6843

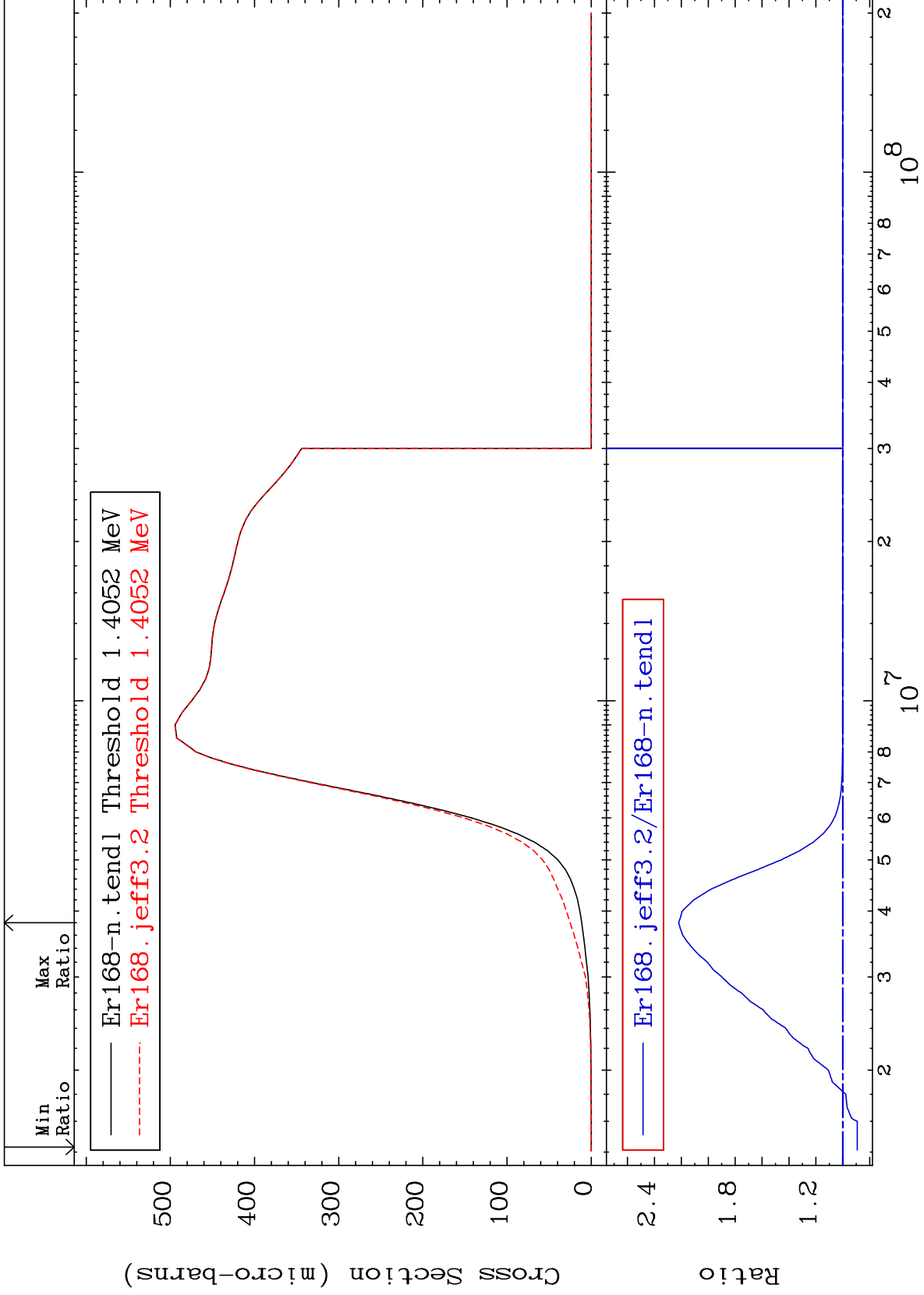
1.276 MeV (n,n') Level  
Cross Section

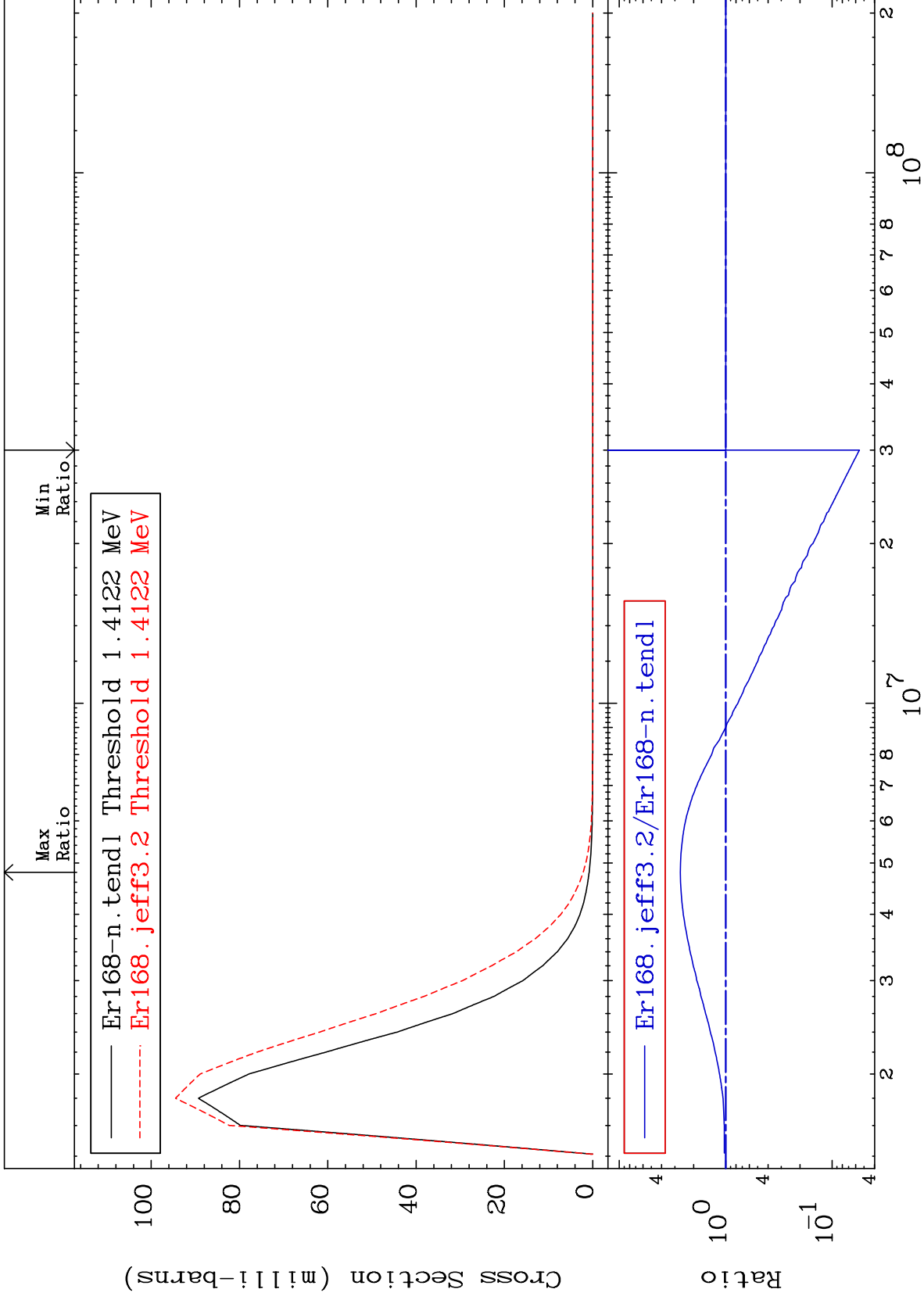
68-Er-168  
-0.005 To 77.74 %







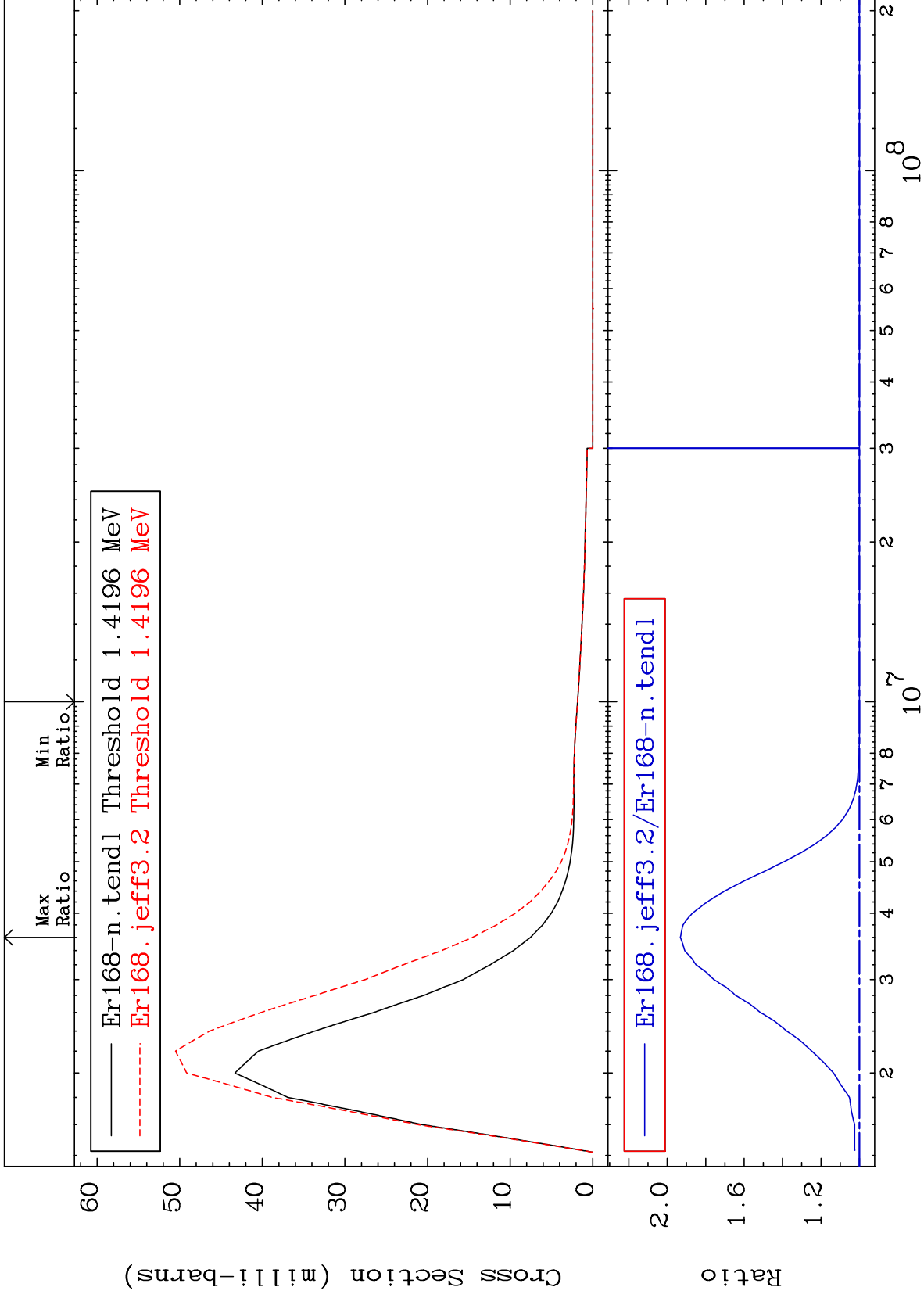


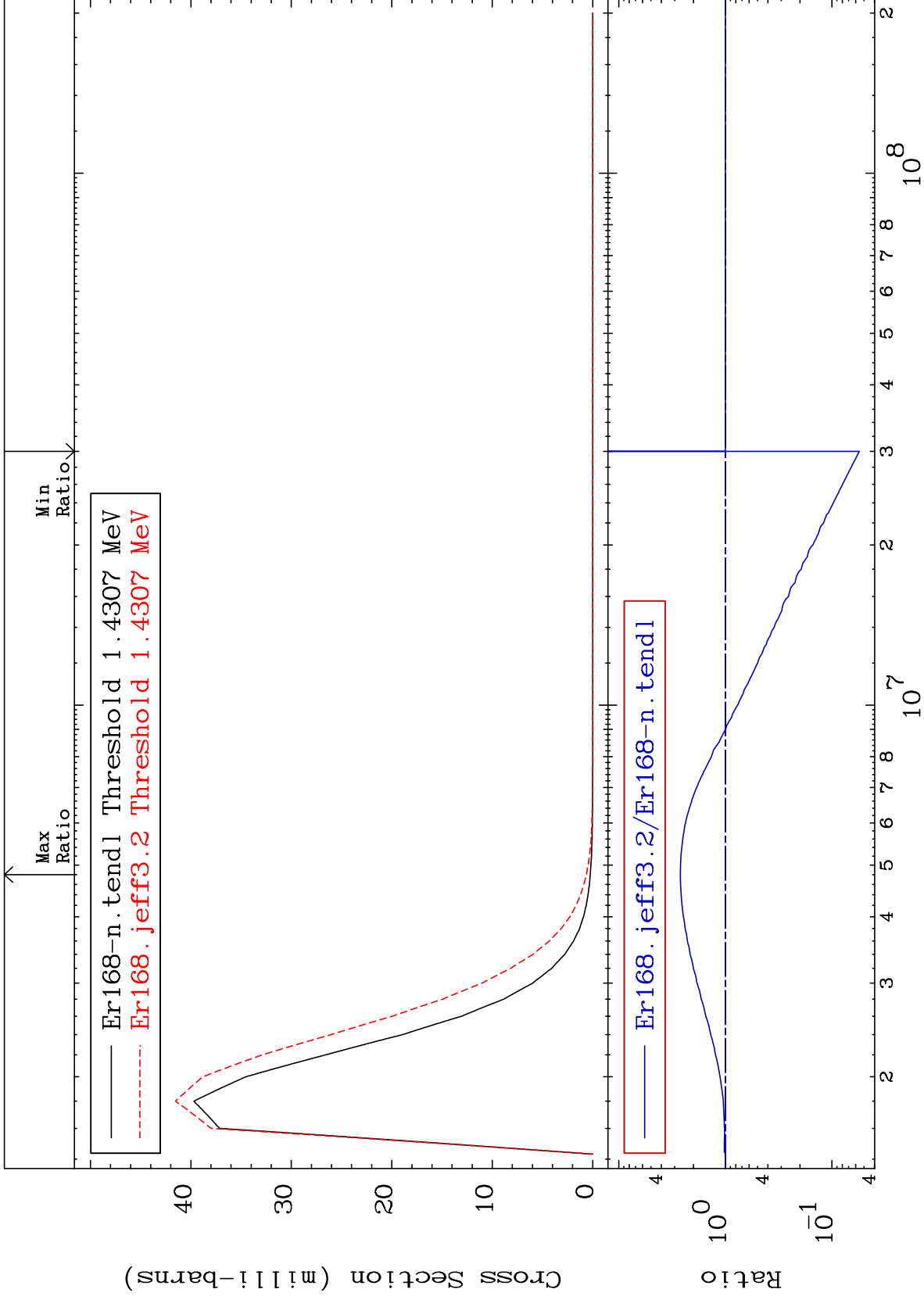


MAT 6843

1.411 MeV (n,n') Level  
Cross Section

68-Er-168  
-0.010 To 93.17 %





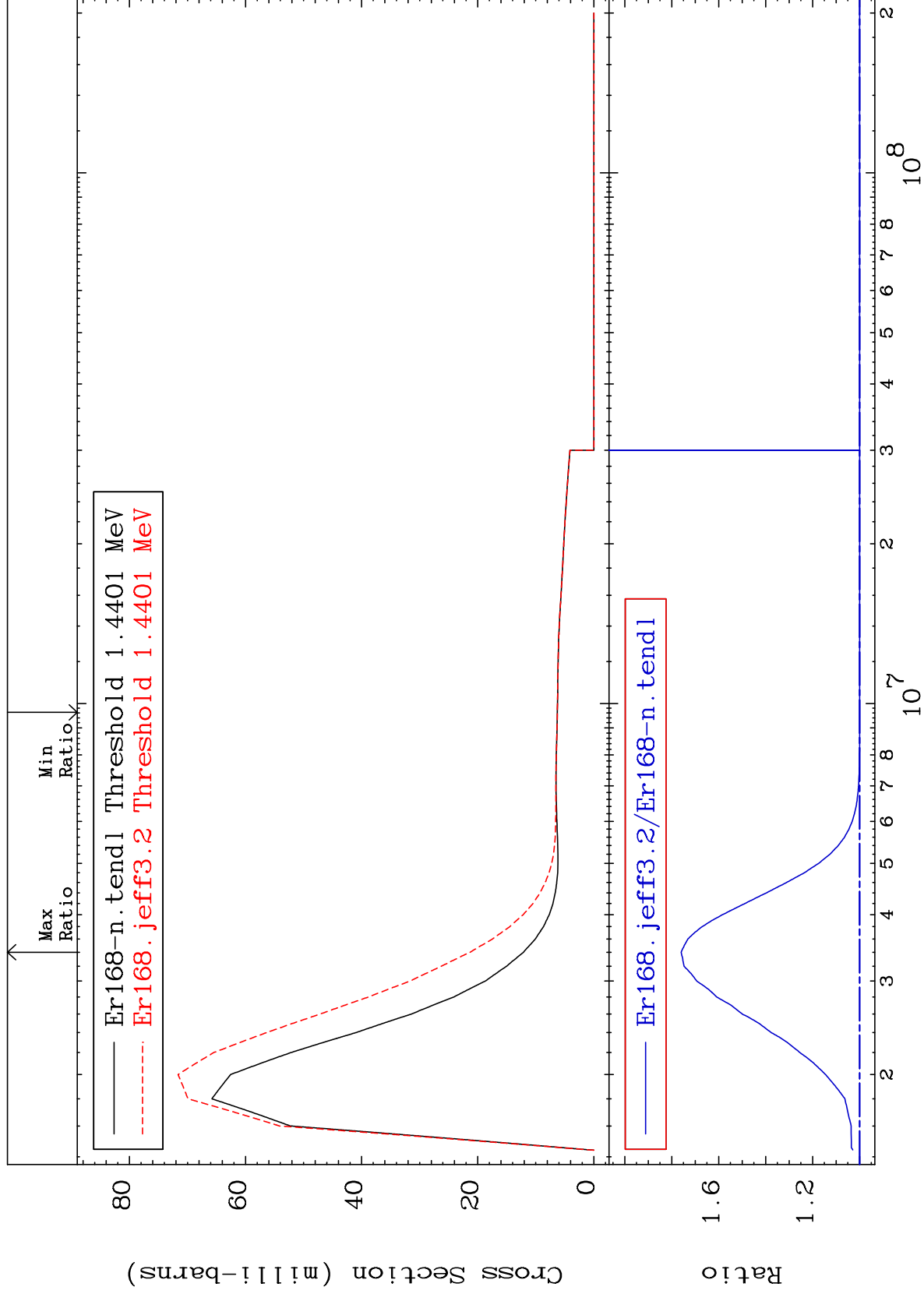
MAT 6843

1.431 MeV (n,n') Level

68-Er-168

Cross Section

-0.003 To 75.99 %



40

Incident Energy (eV)

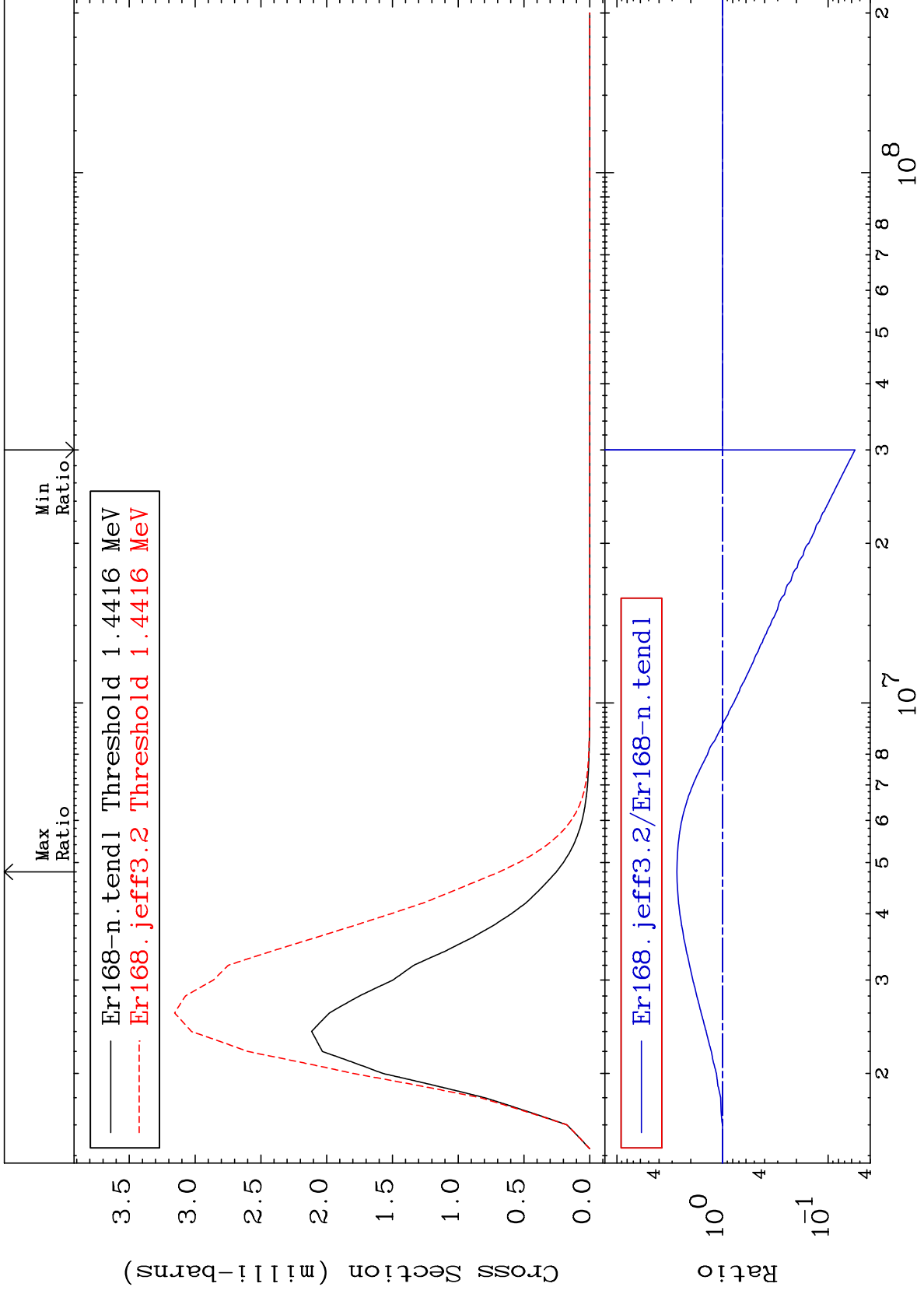
68-Er-168



MAT 6843

1.433 MeV (n,n') Level  
Cross Section

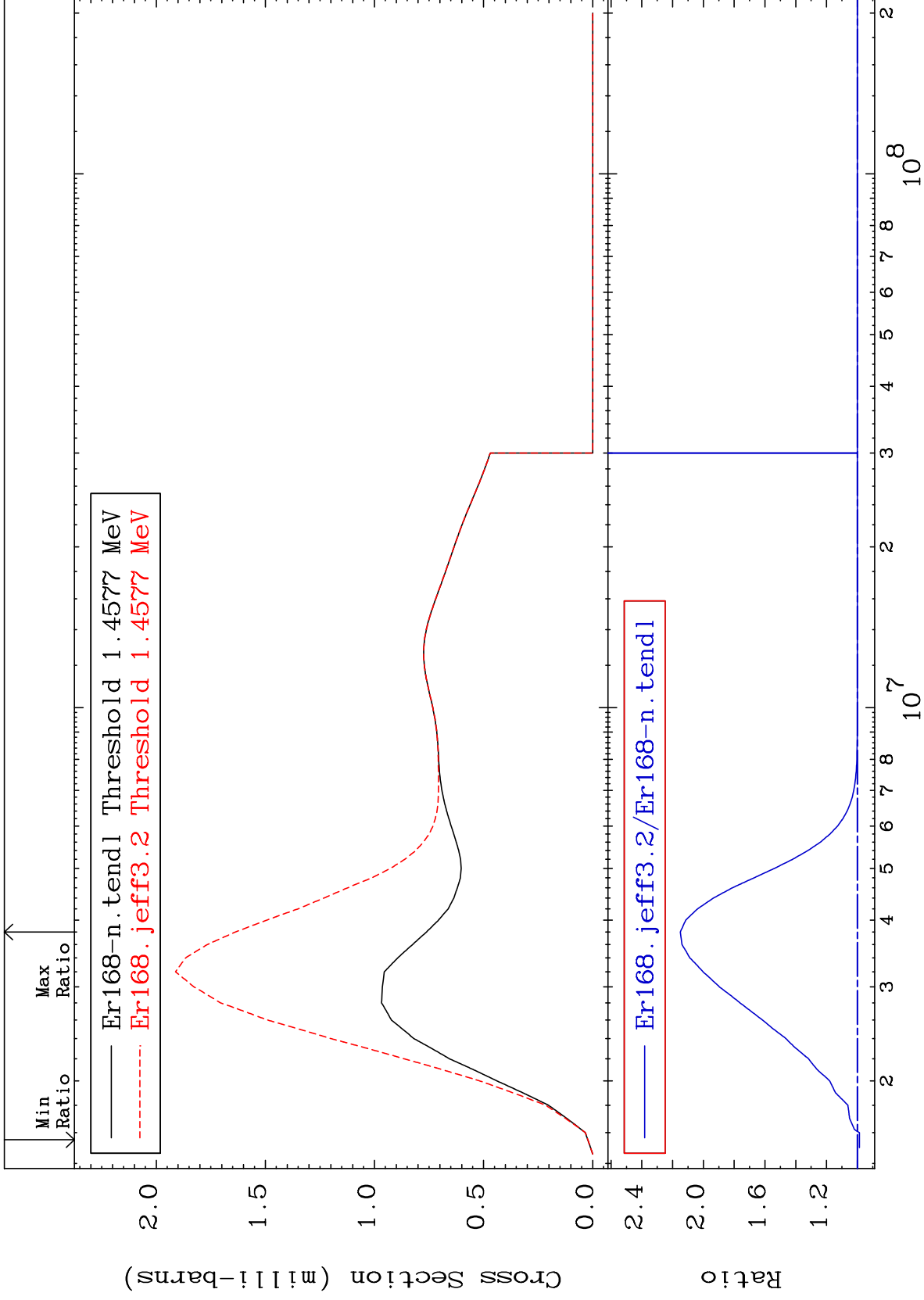
68-Er-168  
-94.44 To 170.4 %



MAT 6843

1.449 MeV (n,n') Level  
Cross Section

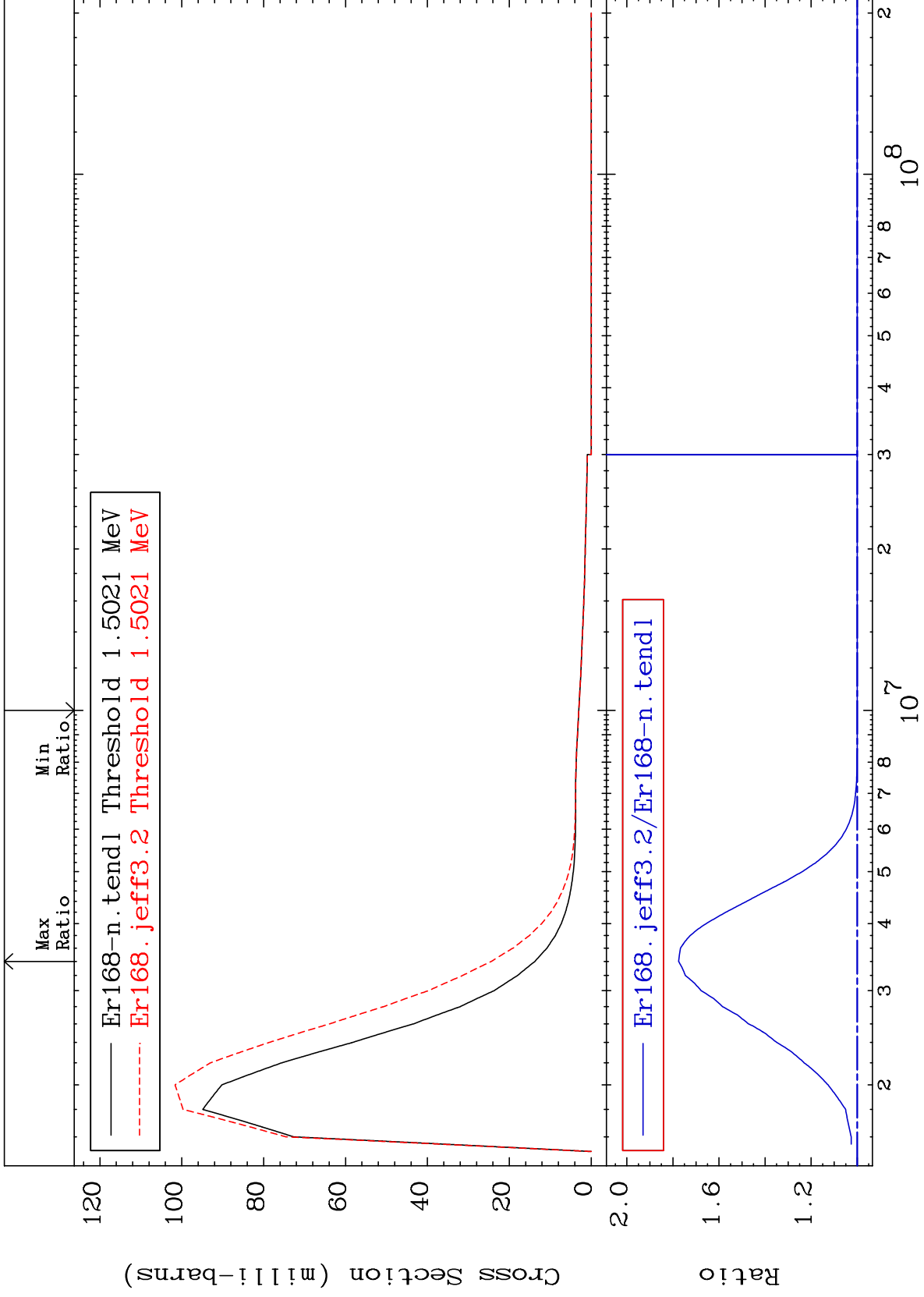
68-Er-168  
-1.383 To 115.0 %



MAT 6843

1.493 MeV (n,n') Level  
Cross Section

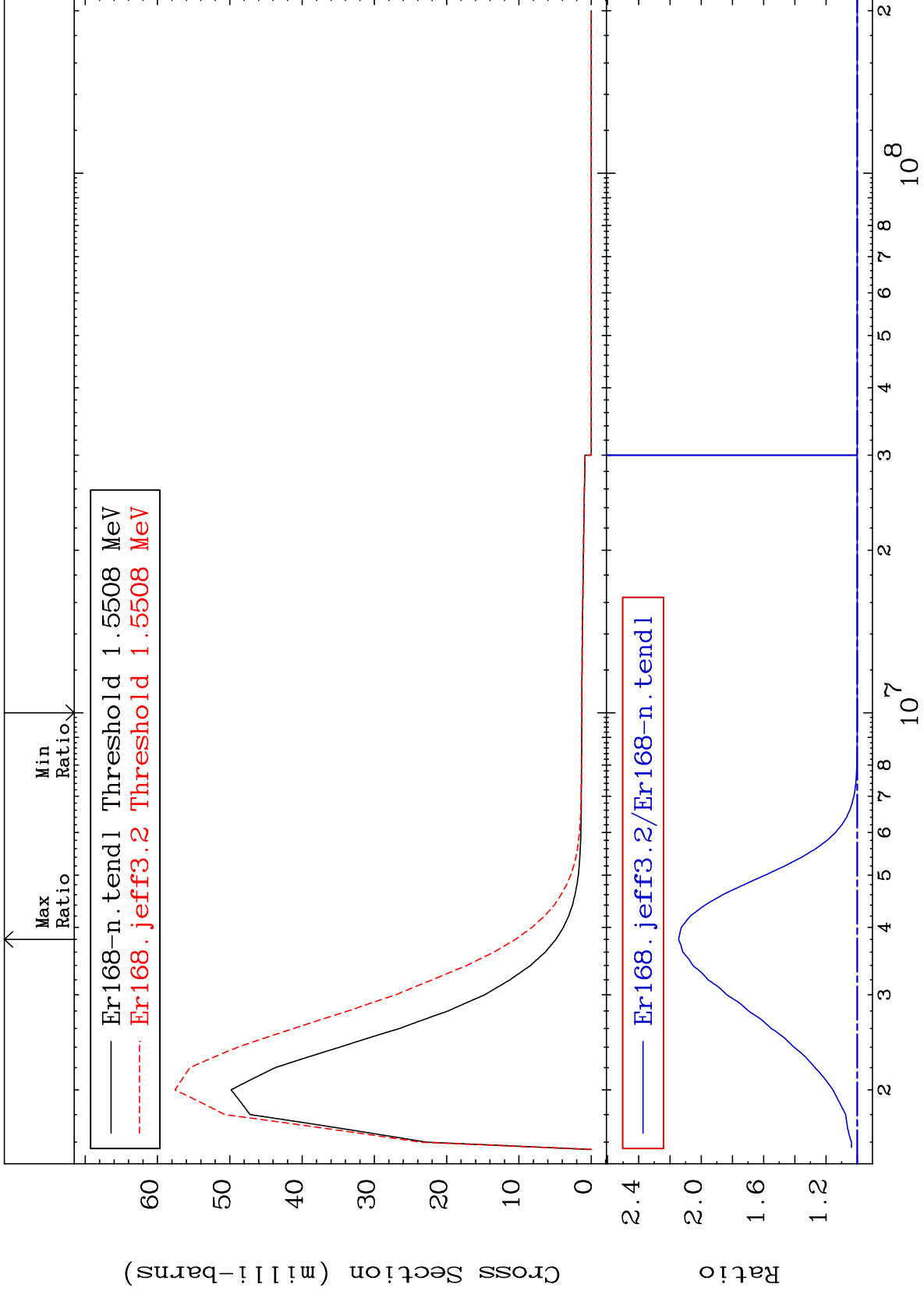
68-Er-168  
-0.005 To 77.52 %



MAT 6843

1.542 MeV (n,n') Level  
Cross Section

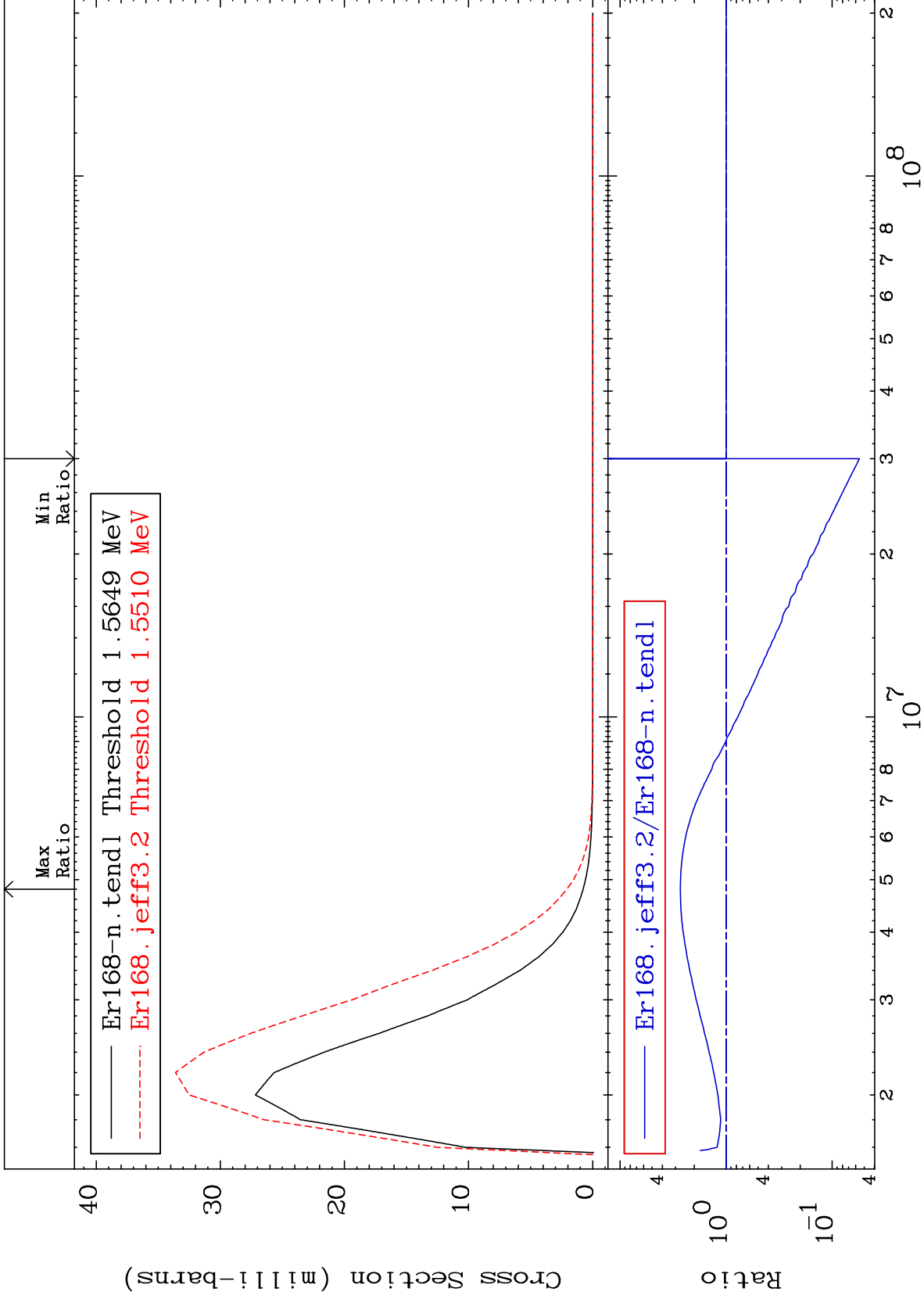
68-Er-168  
-0.013 To 114.4 %



MAT 6843

1.556 MeV (n,n') Level  
Cross Section

68-Er-168  
-94.46 To 170.2 %



45

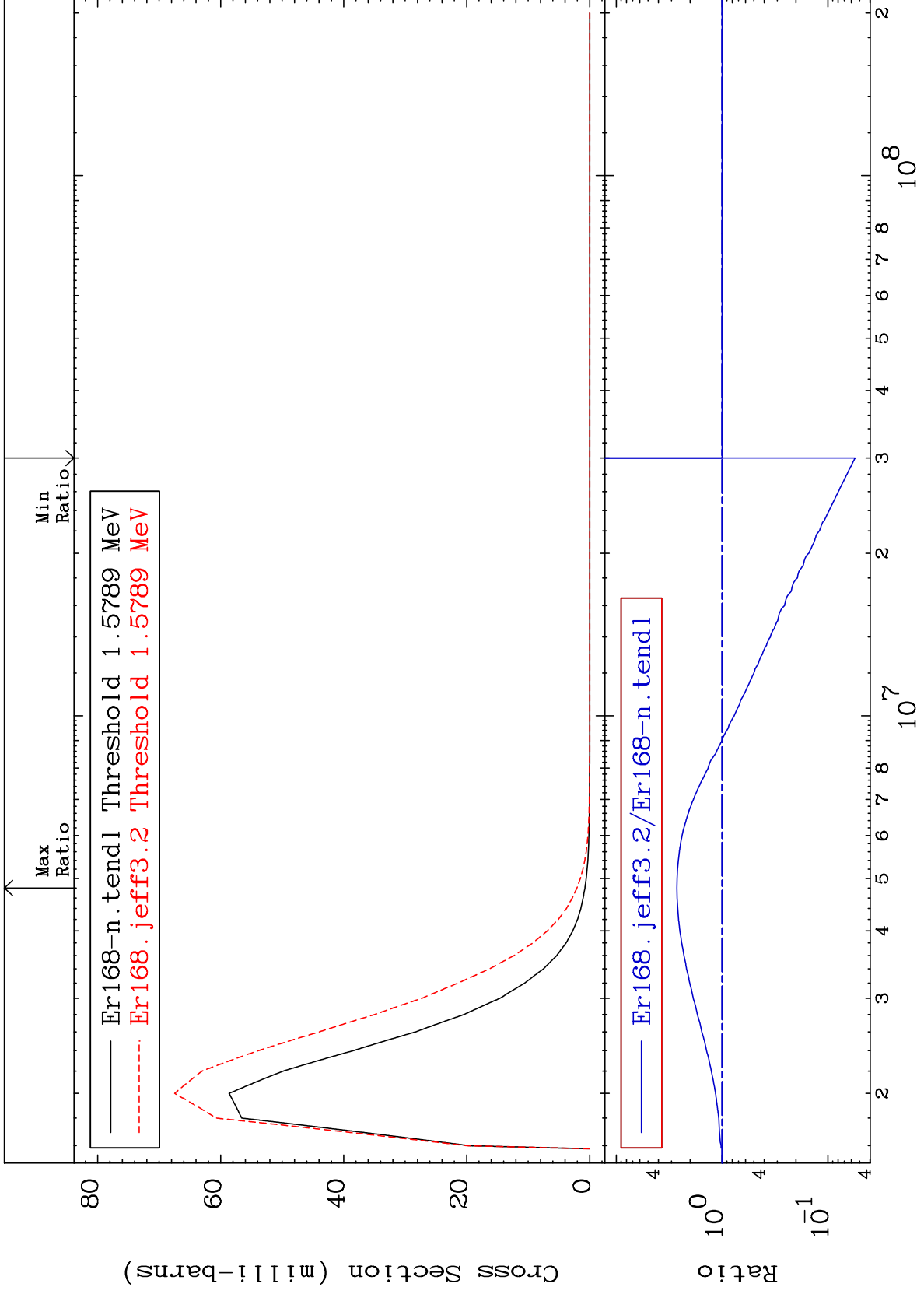
Incident Energy (eV)

68-Er-168

MAT 6843

1.569 MeV (n,n') Level  
Cross Section

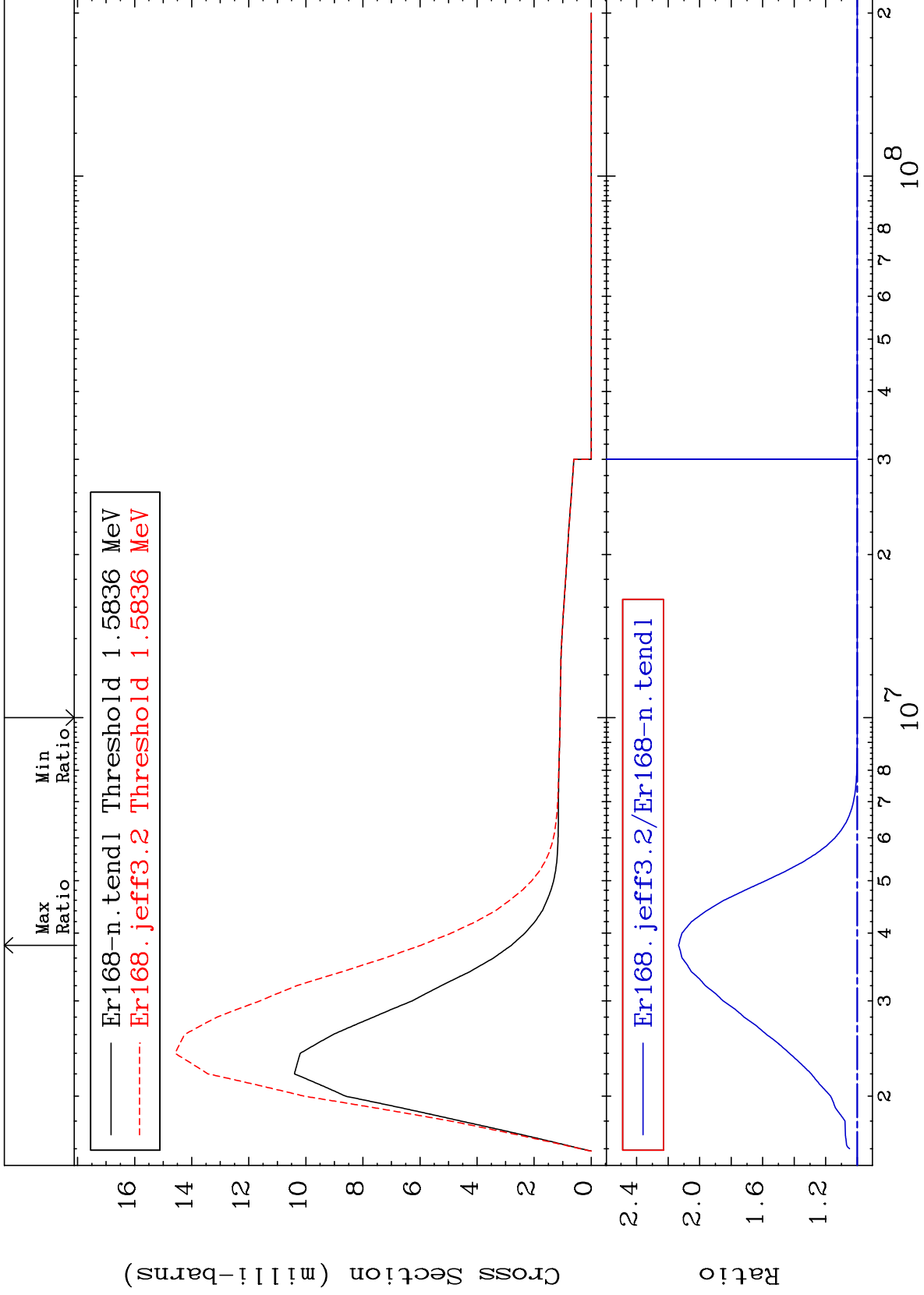
68-Er-168  
-94.47 To 166.9 %



MAT 6843

1.574 MeV (n,n') Level  
Cross Section

68-Er-168  
-0.016 To 113.3 %



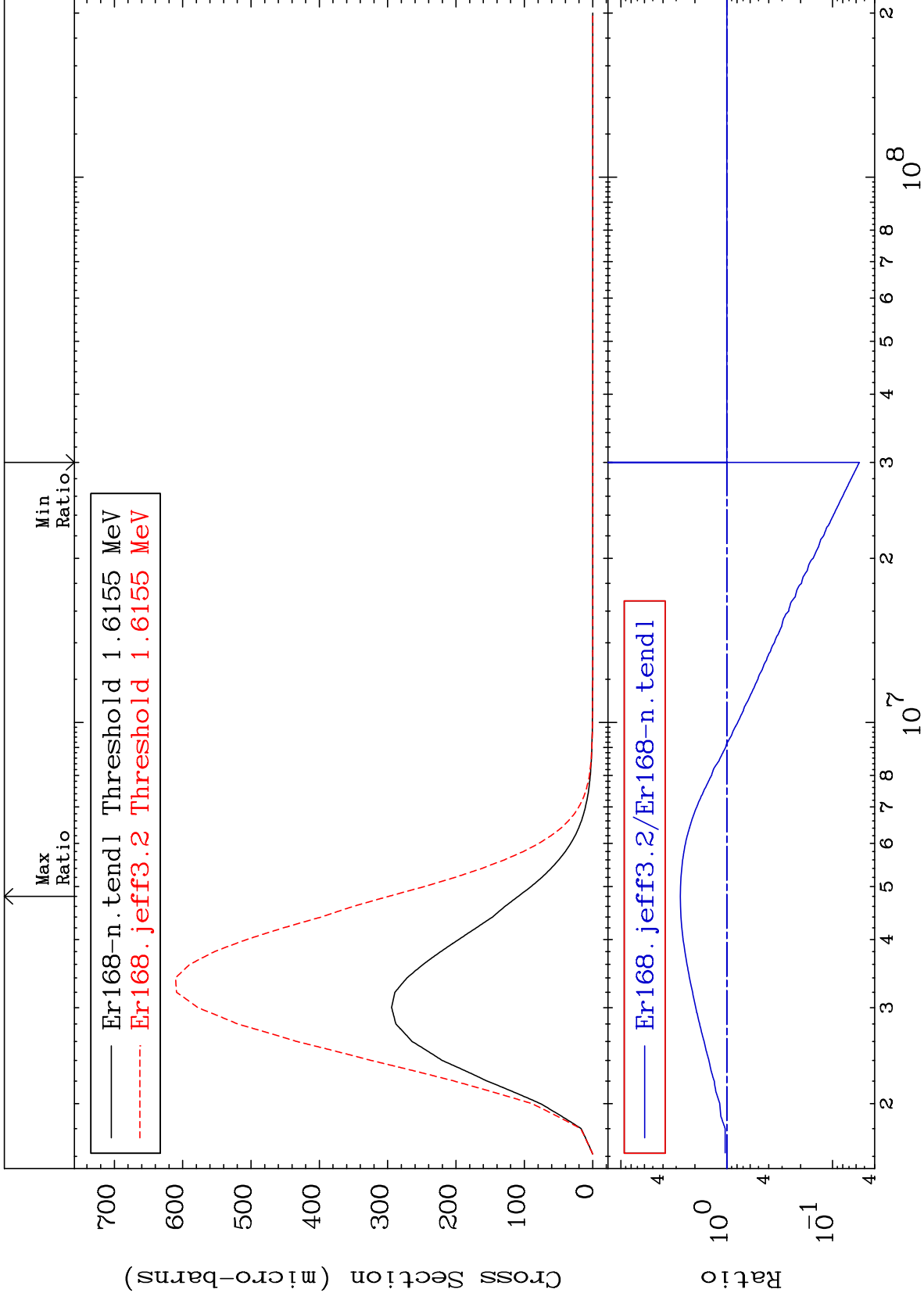
— Er168-n.tendl Threshold 1.5836 MeV  
- - - Er168.jeff3.2 Threshold 1.5836 MeV

— Er168.jeff3.2/Er168-n.tendl

MAT 6843

1.606 MeV (n,n') Level  
Cross Section

68-Er-168  
-94.43 To 174.2 %

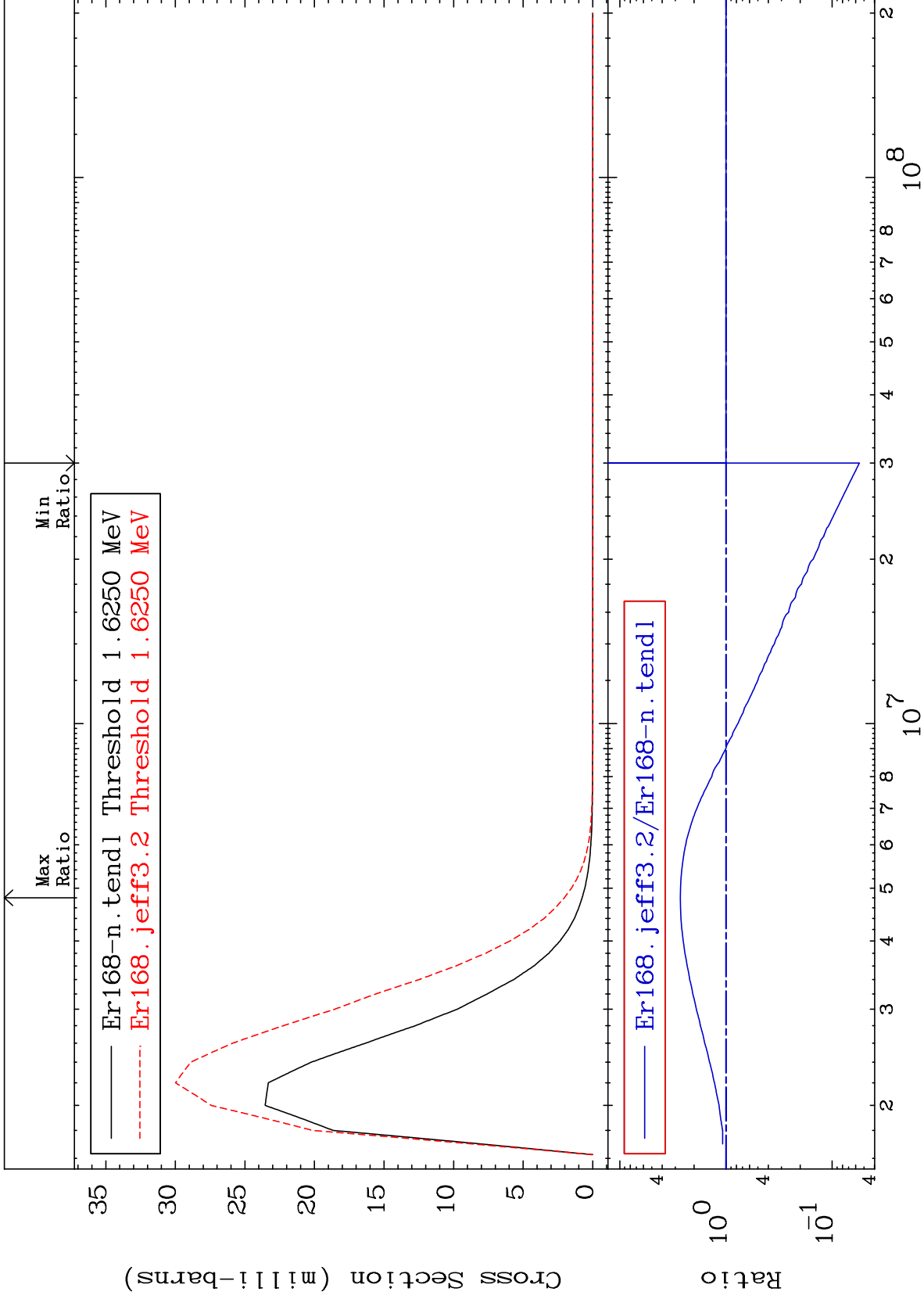




MAT 6843

1.615 MeV (n,n') Level  
Cross Section

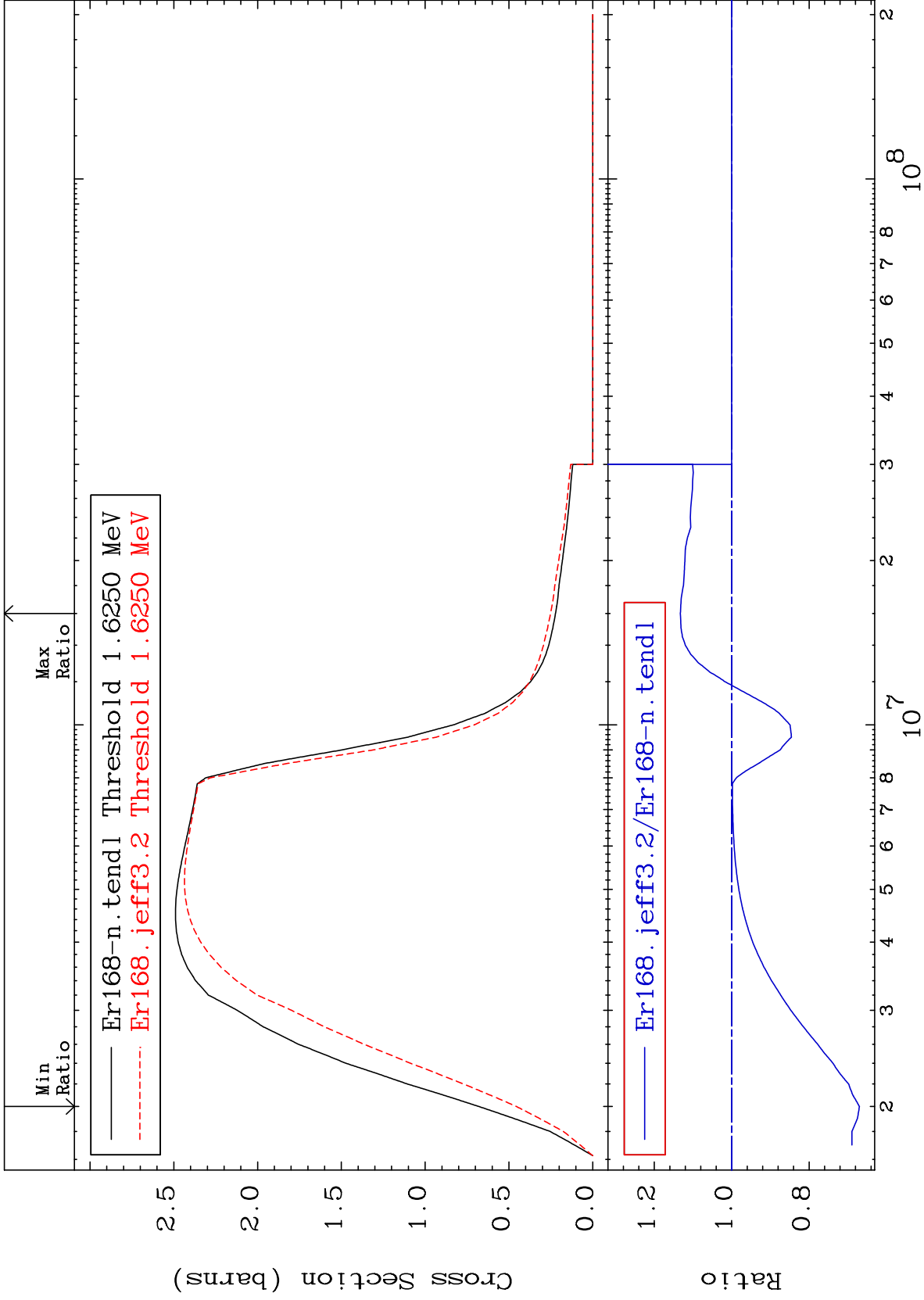
68-Er-168  
-94.46 To 169.3 %



MAT 6843

(n, n') Continuum  
Cross Section

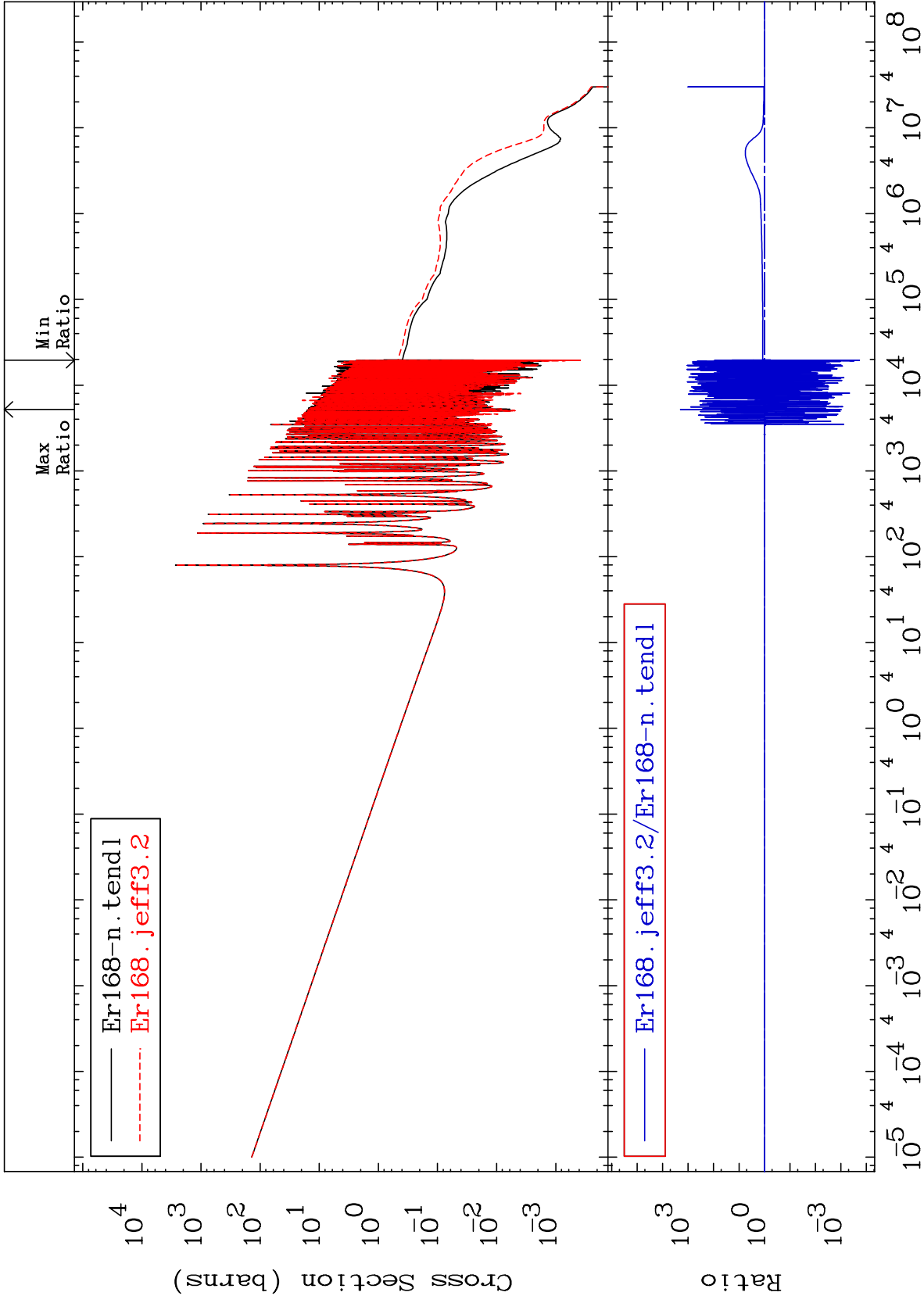
68-Er-168  
-33.01 To 13.27 %



MAT 6843

(n,  $\gamma$ )  
Cross Section

68-Er-168  
-99.98 To 9999. %



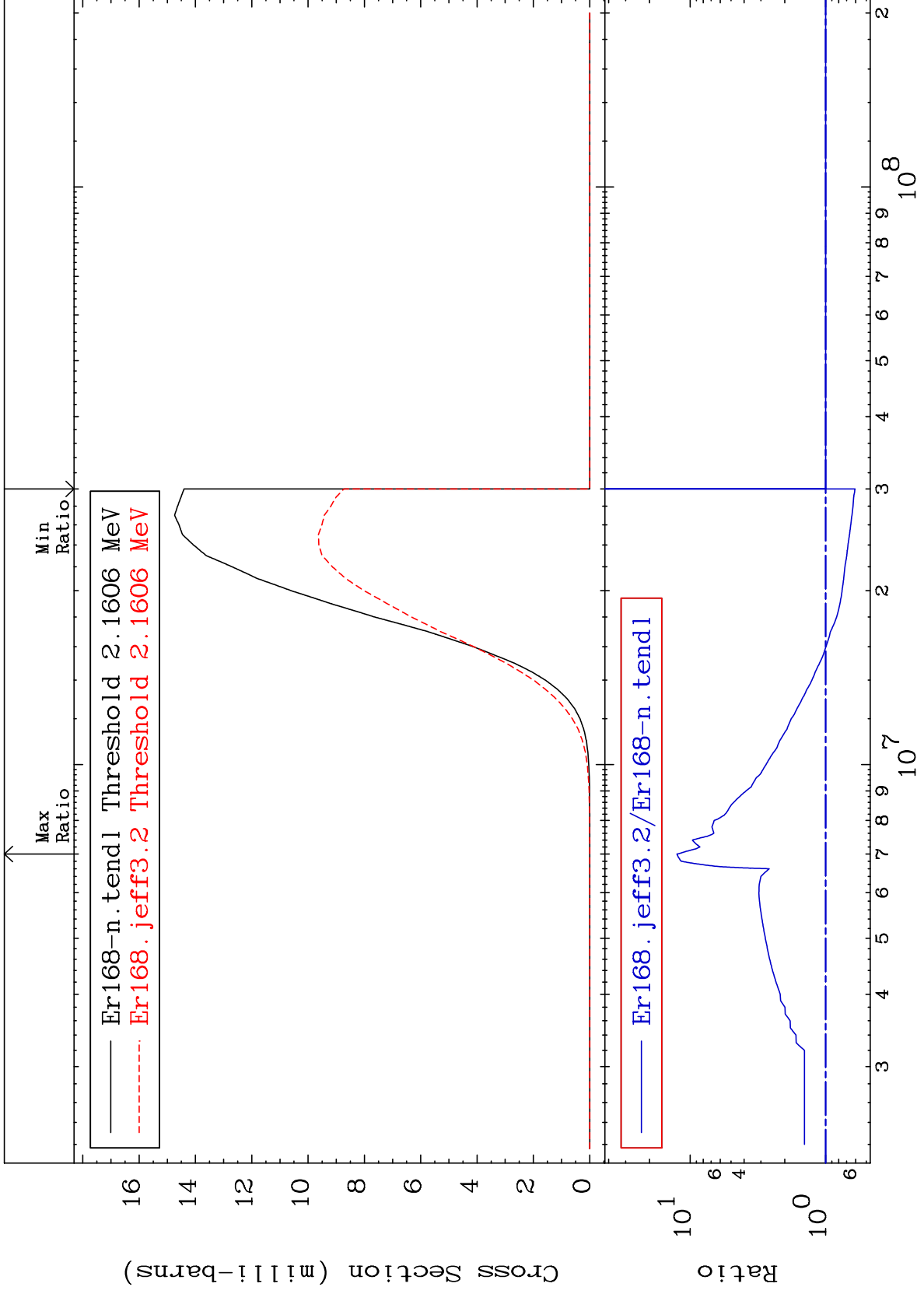
MAT 6843

(n, p)

68-Er-168

Cross Section

-39.45 To 1153. %



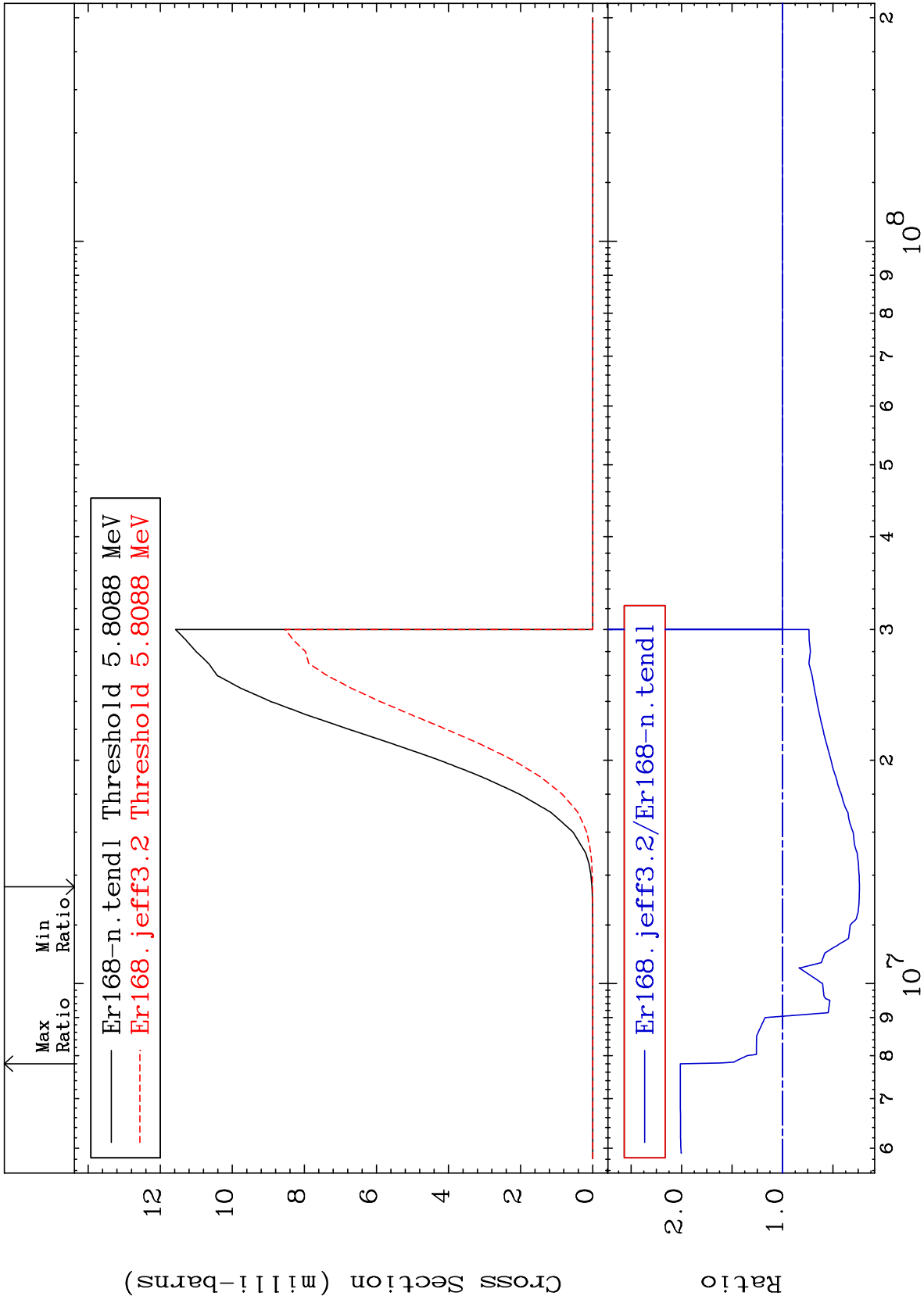
MAT 6843

(n, d)

68-Er-168

Cross Section

-76.16 To 101.3 %



53

Incident Energy (eV)

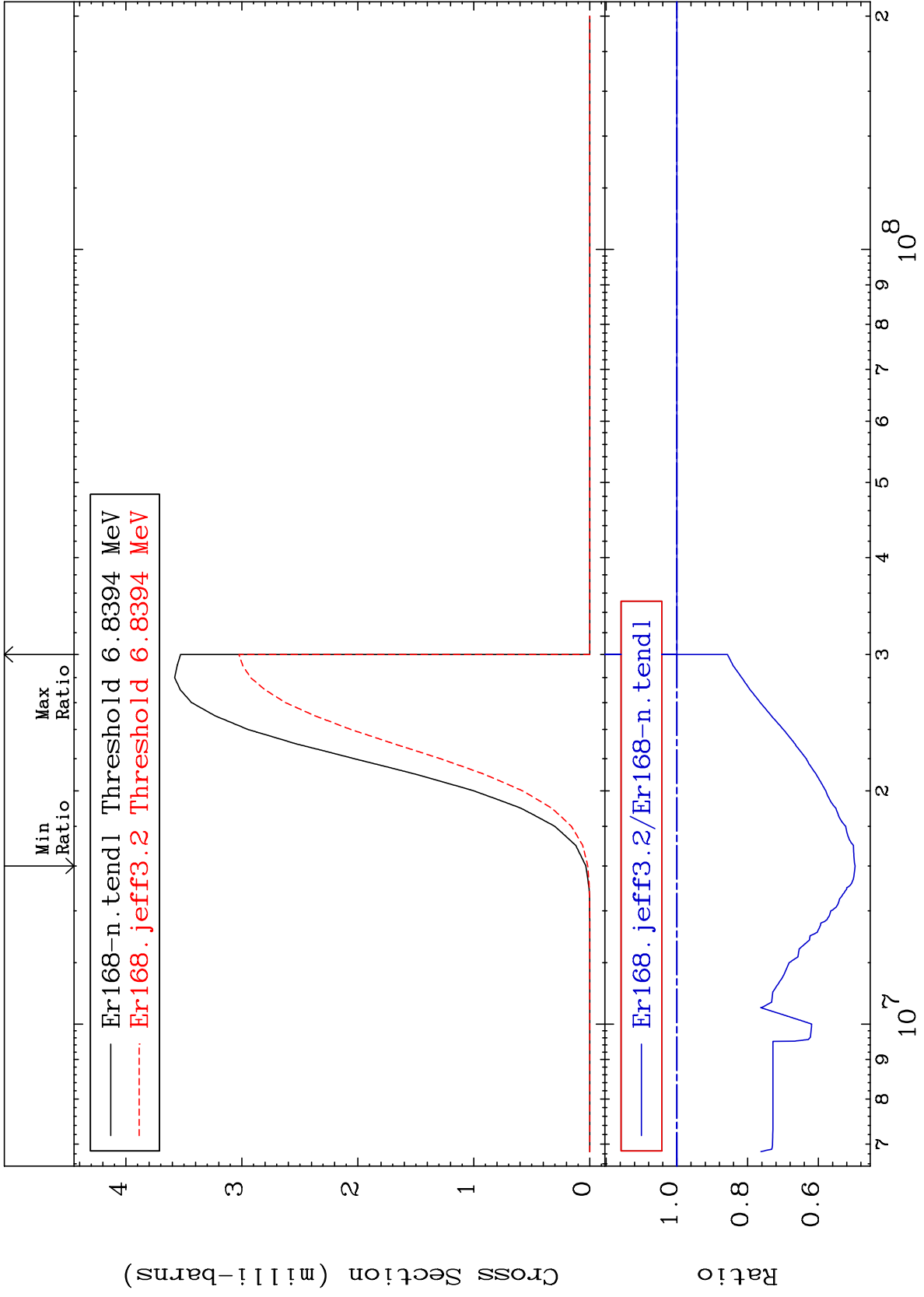
68-Er-168

MAT 6843

68-Er-168

-50.35 To 0.000 %

(n, t)  
Cross Section



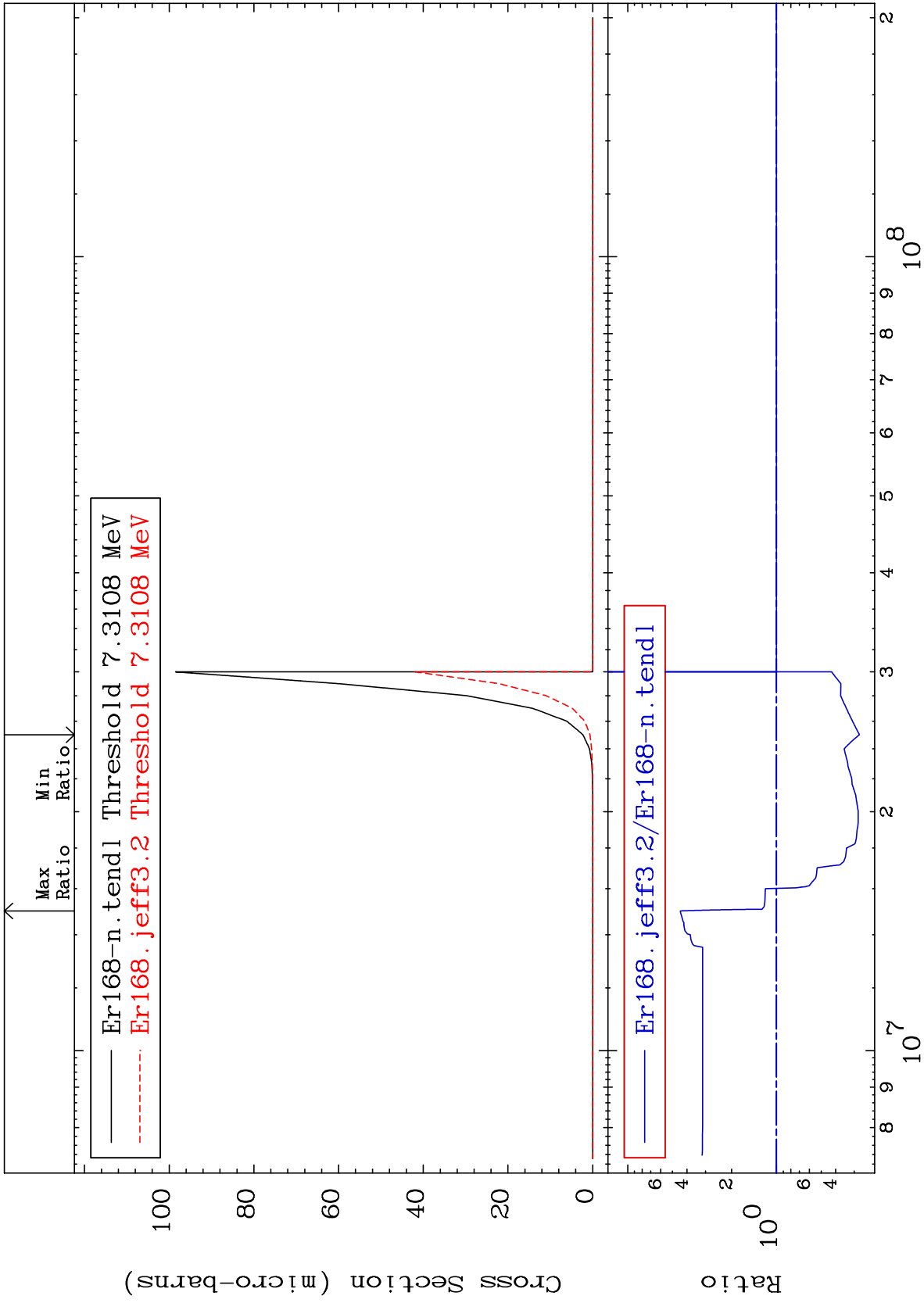
MAT 6843

(n, He-3)

68-Er-168

Cross Section

-72.35 To 342.6 %



55

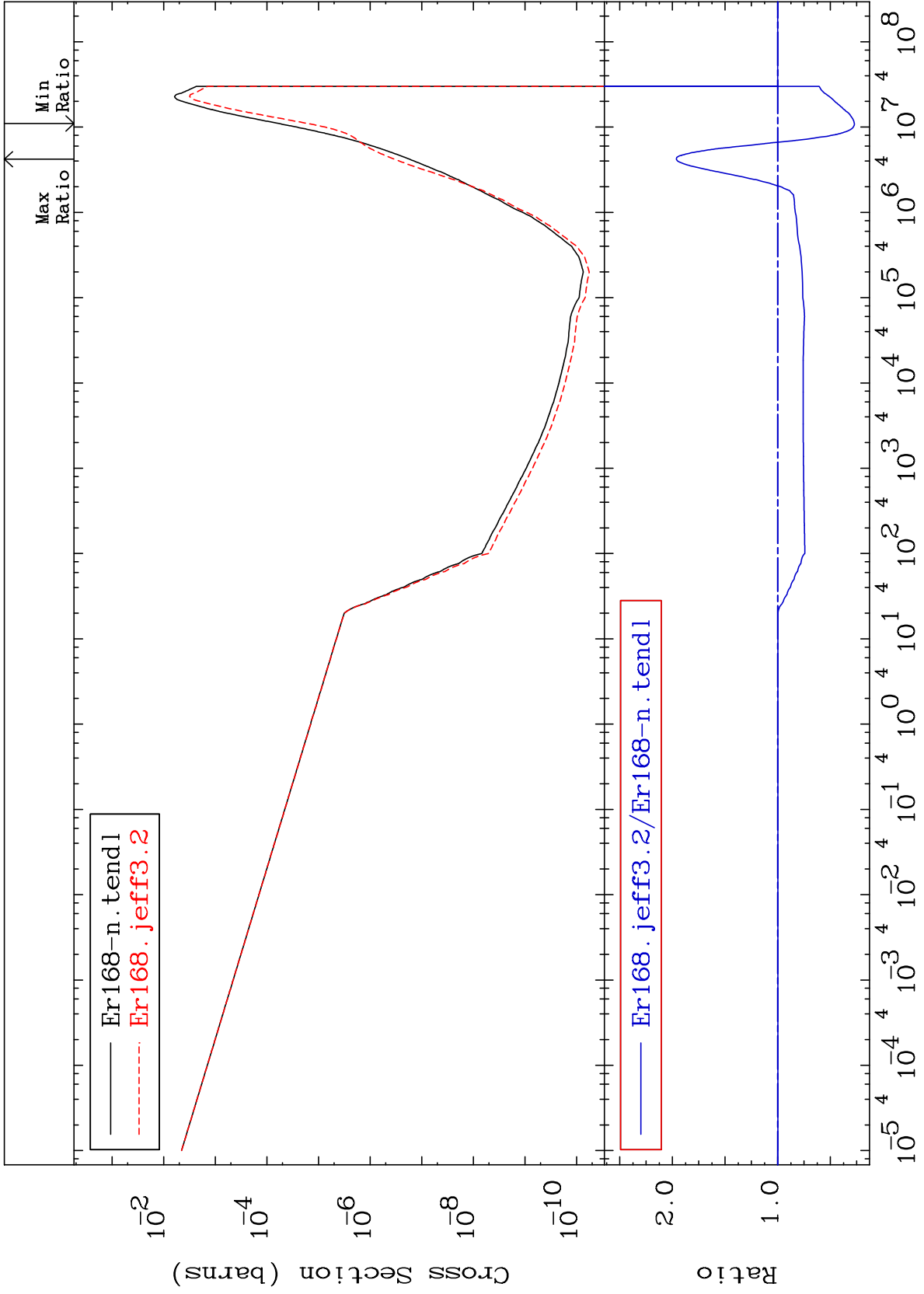
Incident Energy (eV)

68-Er-168

MAT 6843

(n,  $\alpha$ )  
Cross Section

68-Er-168  
-72.83 To 96.28 %



56

Incident Energy (eV)

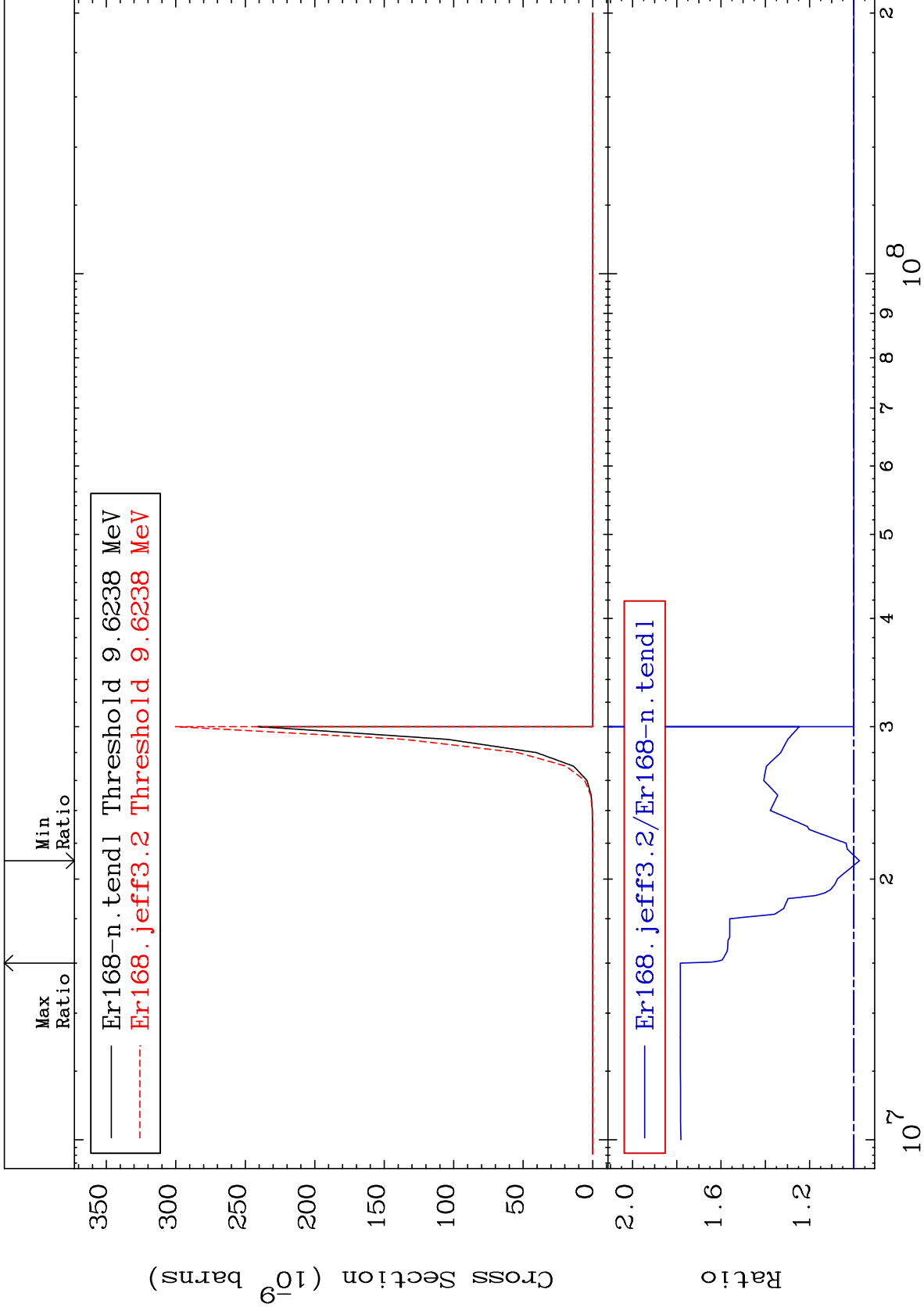
68-Er-168



MAT 6843

(n,2p)  
Cross Section

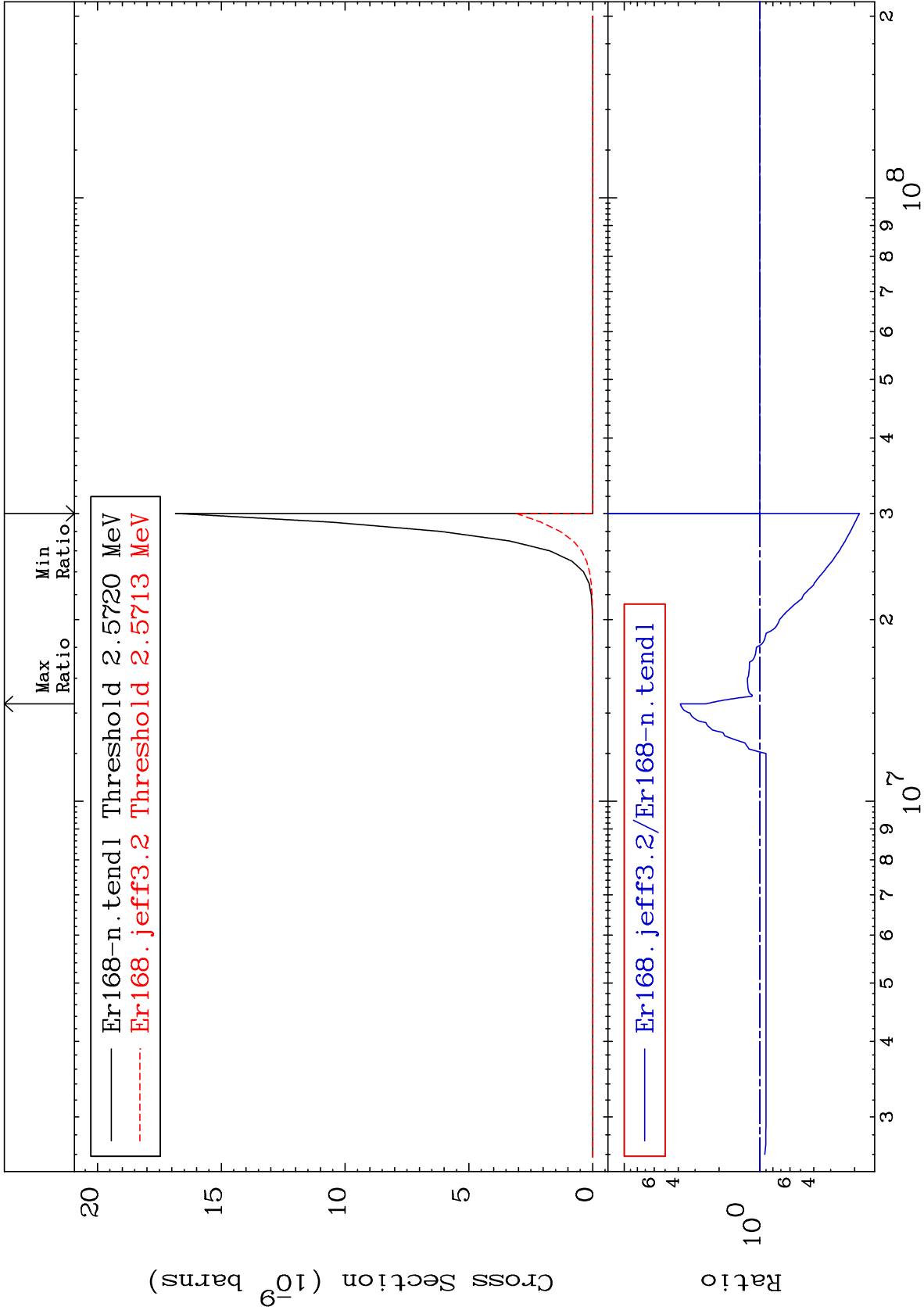
68-Er-168  
-2.549 To 78.38 %

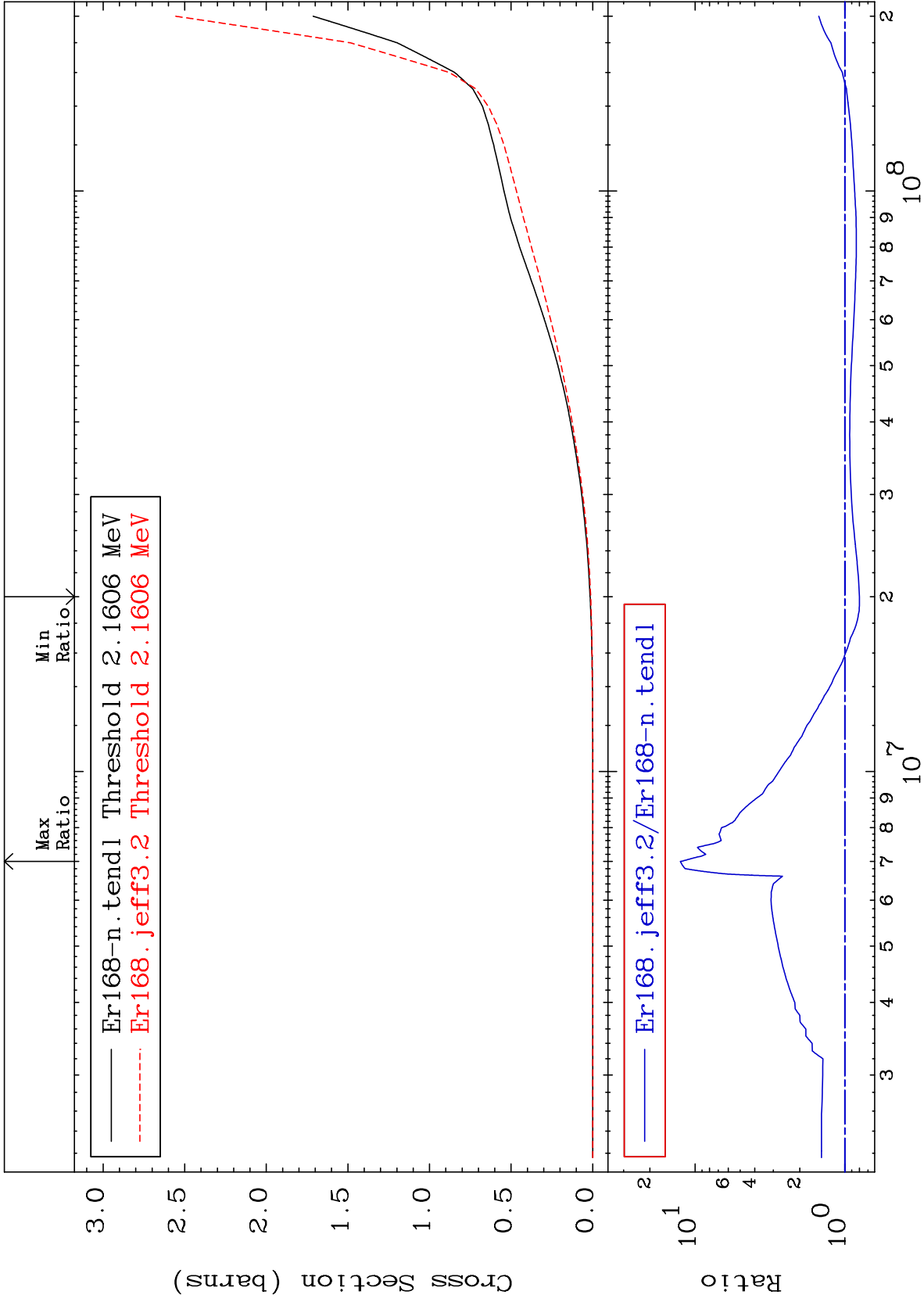


57

Incident Energy (eV)

68-Er-168

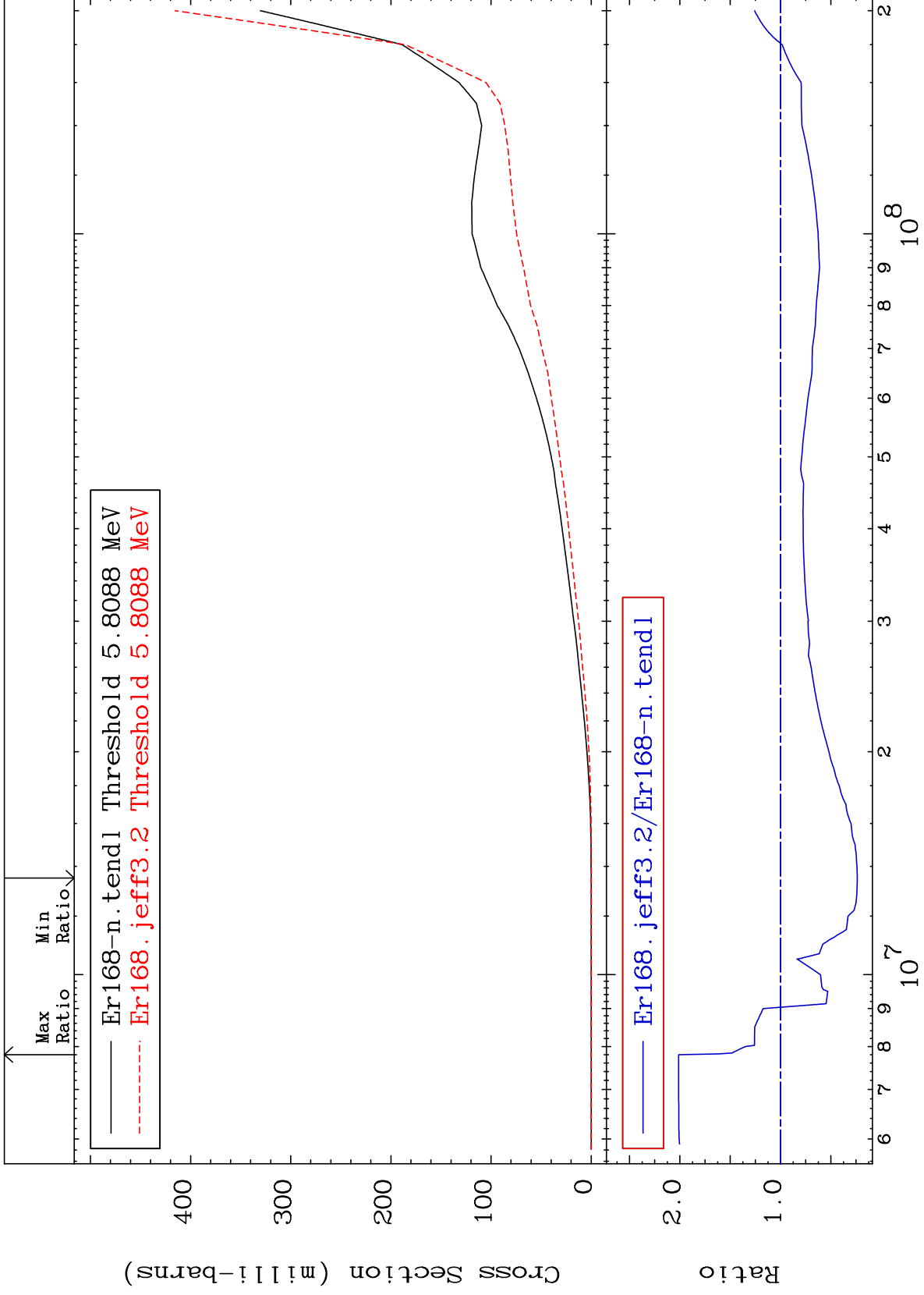




MAT 6843

Deuterium Production  
Cross Section

68-Er-168  
-76.16 To 101.3 %



60

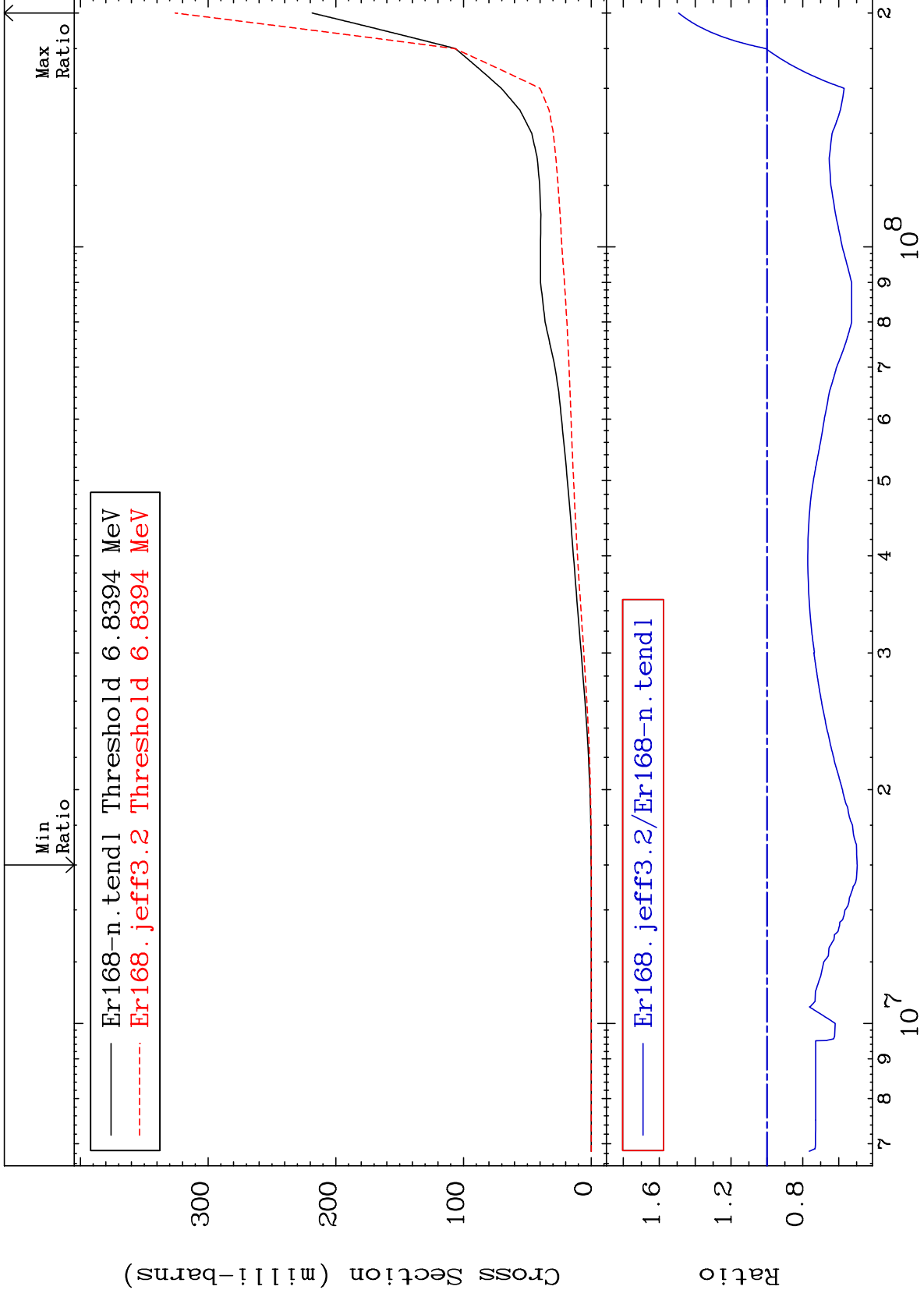
Incident Energy (eV)

68-Er-168

MAT 6843

Tritium Production  
Cross Section

68-Er-168  
-50.35 To 49.19 %



61

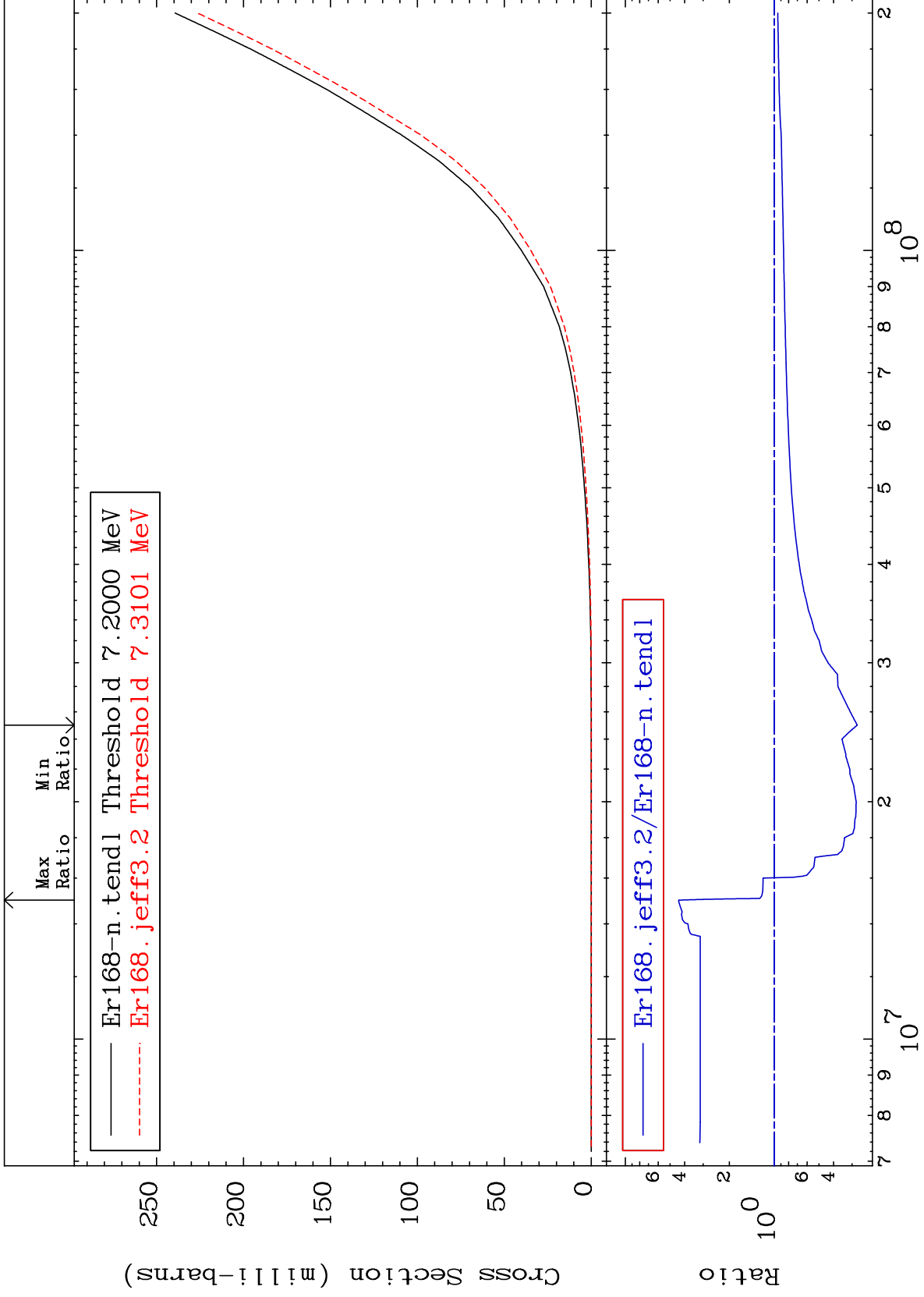
Incident Energy (eV)

68-Er-168

MAT 6843

He-3 Production  
Cross Section

68-Er-168  
-72.32 To 338.1 %



62

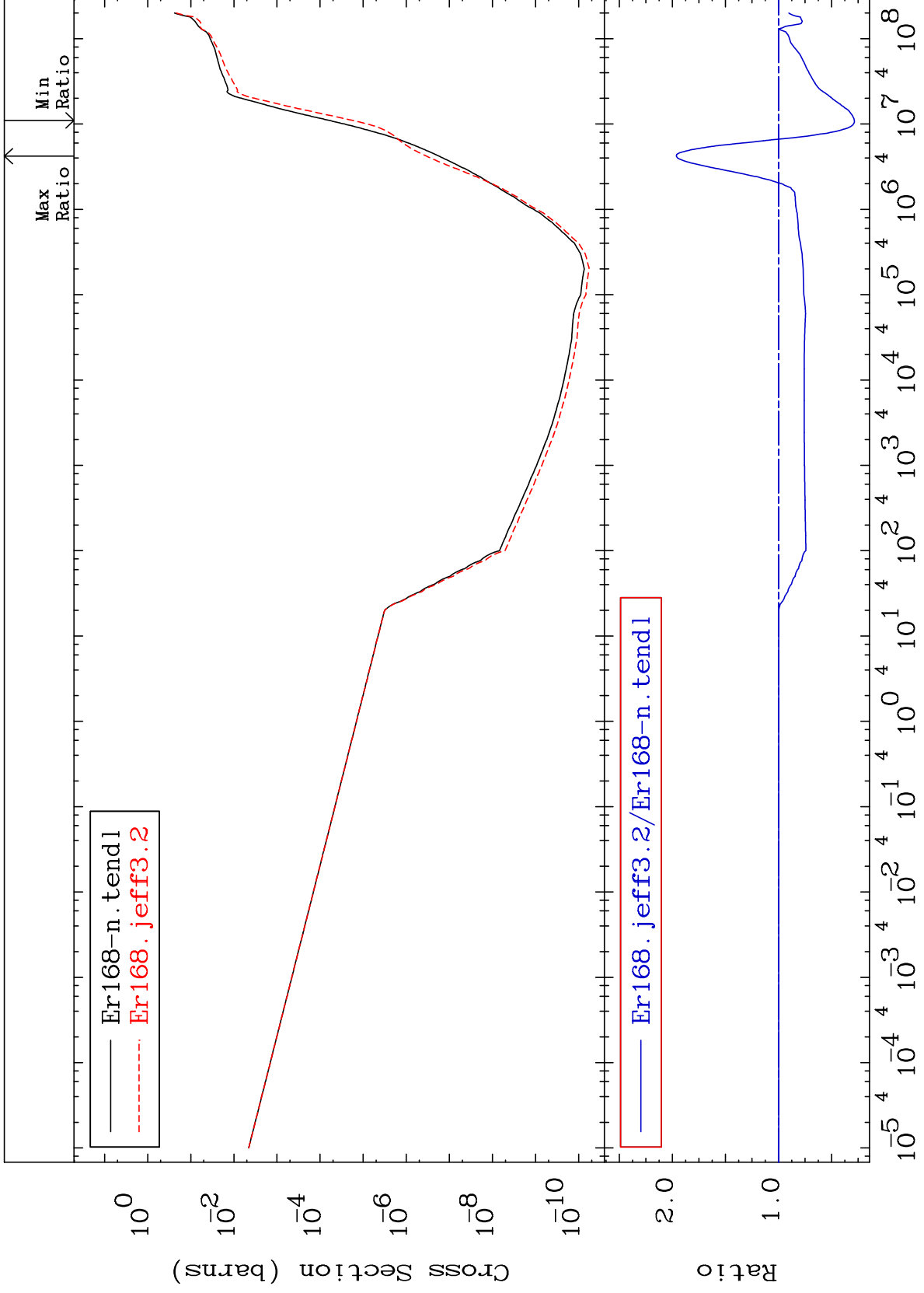
Incident Energy (eV)

68-Er-168

MAT 6843

He-4 Production  
Cross Section

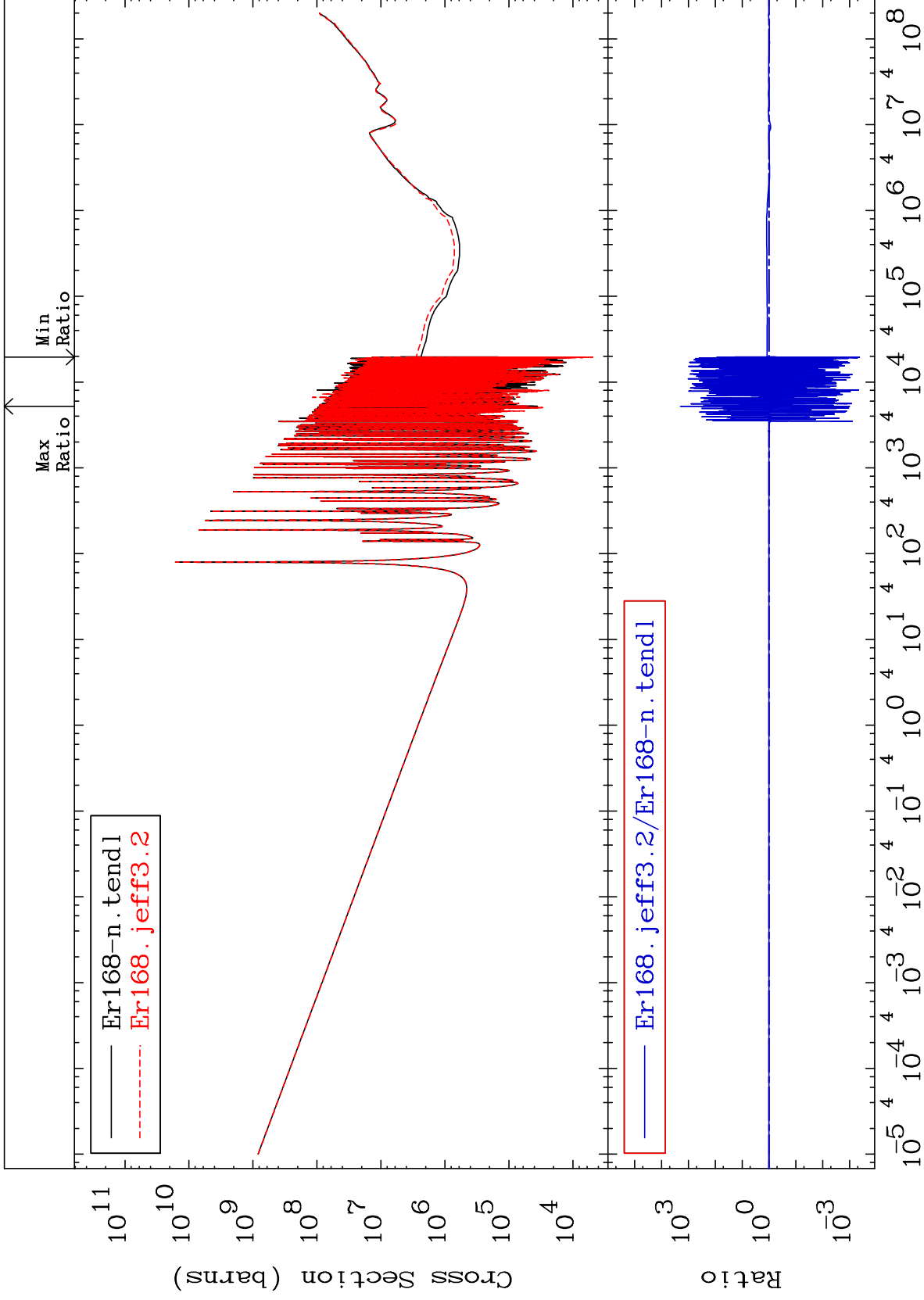
68-Er-168  
-71.50 To 96.28 %



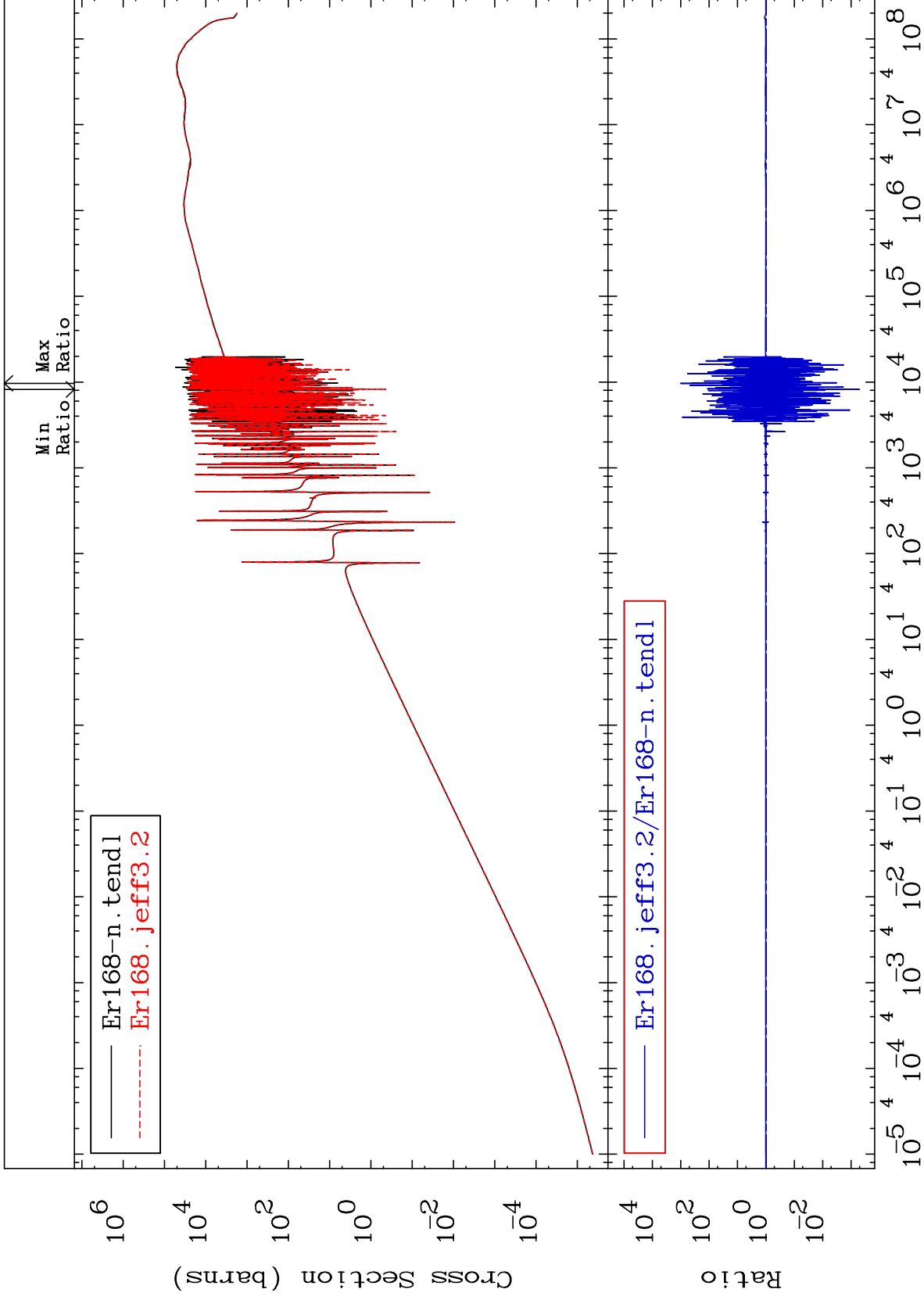
63

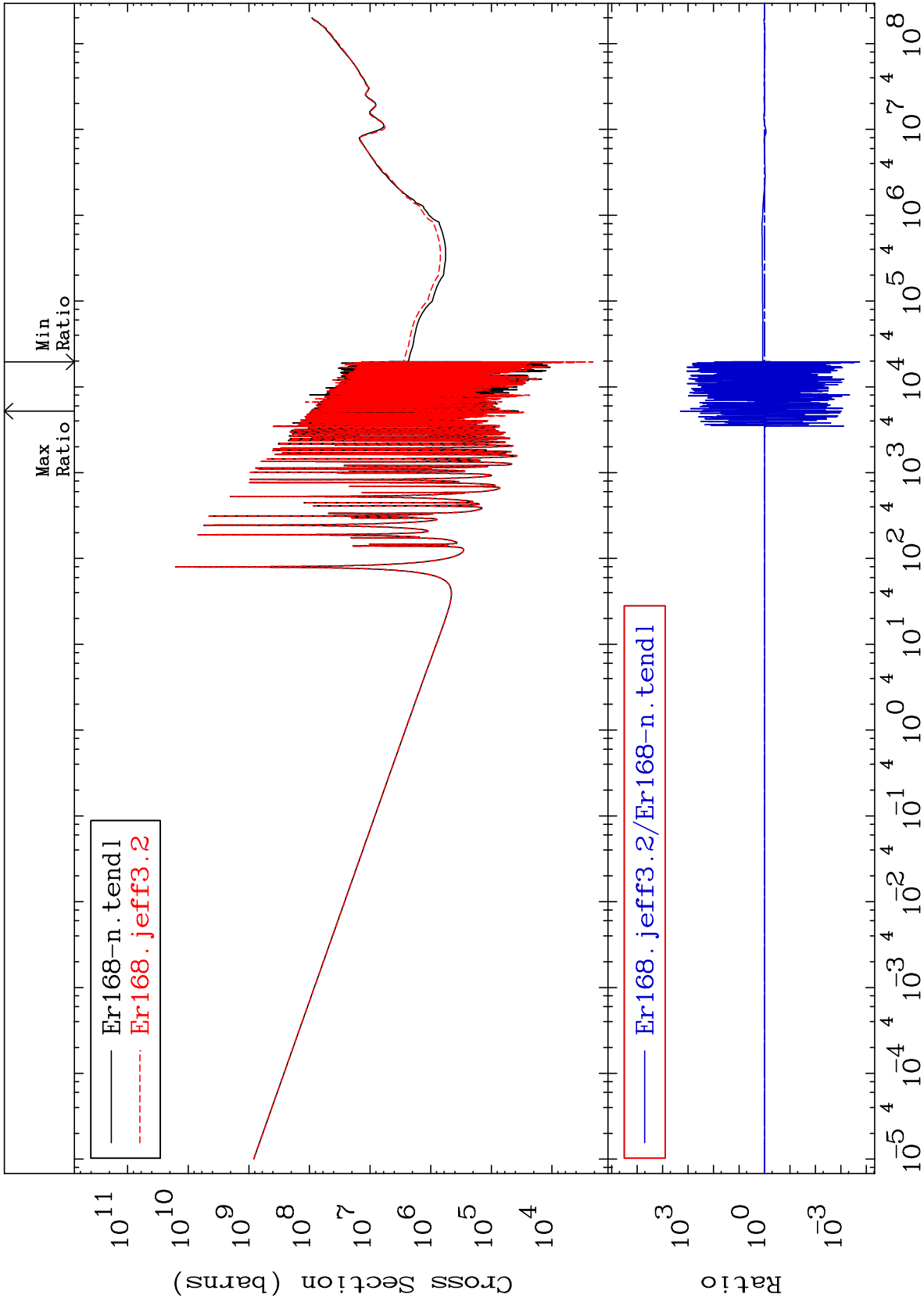
Incident Energy (eV)

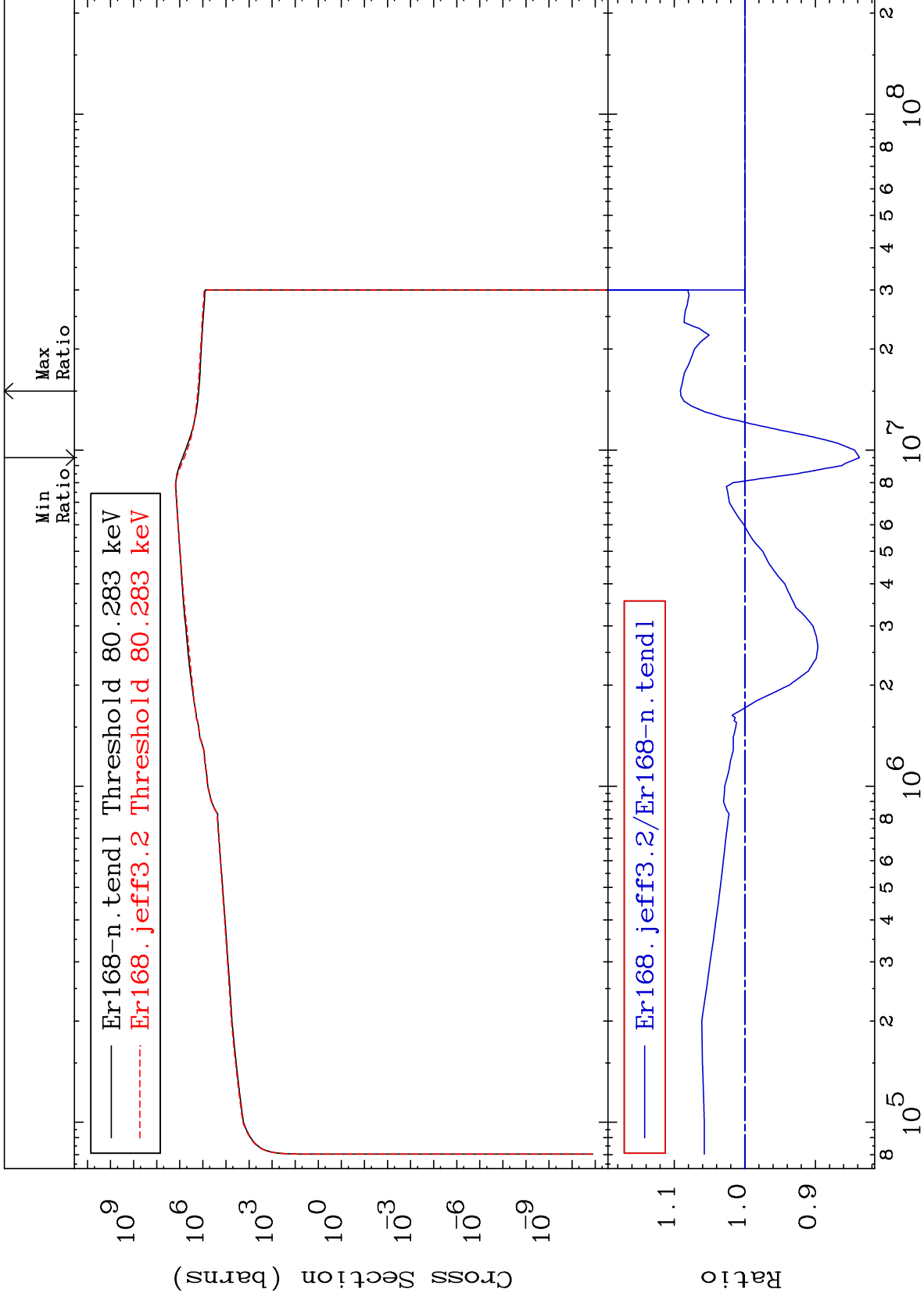
68-Er-168







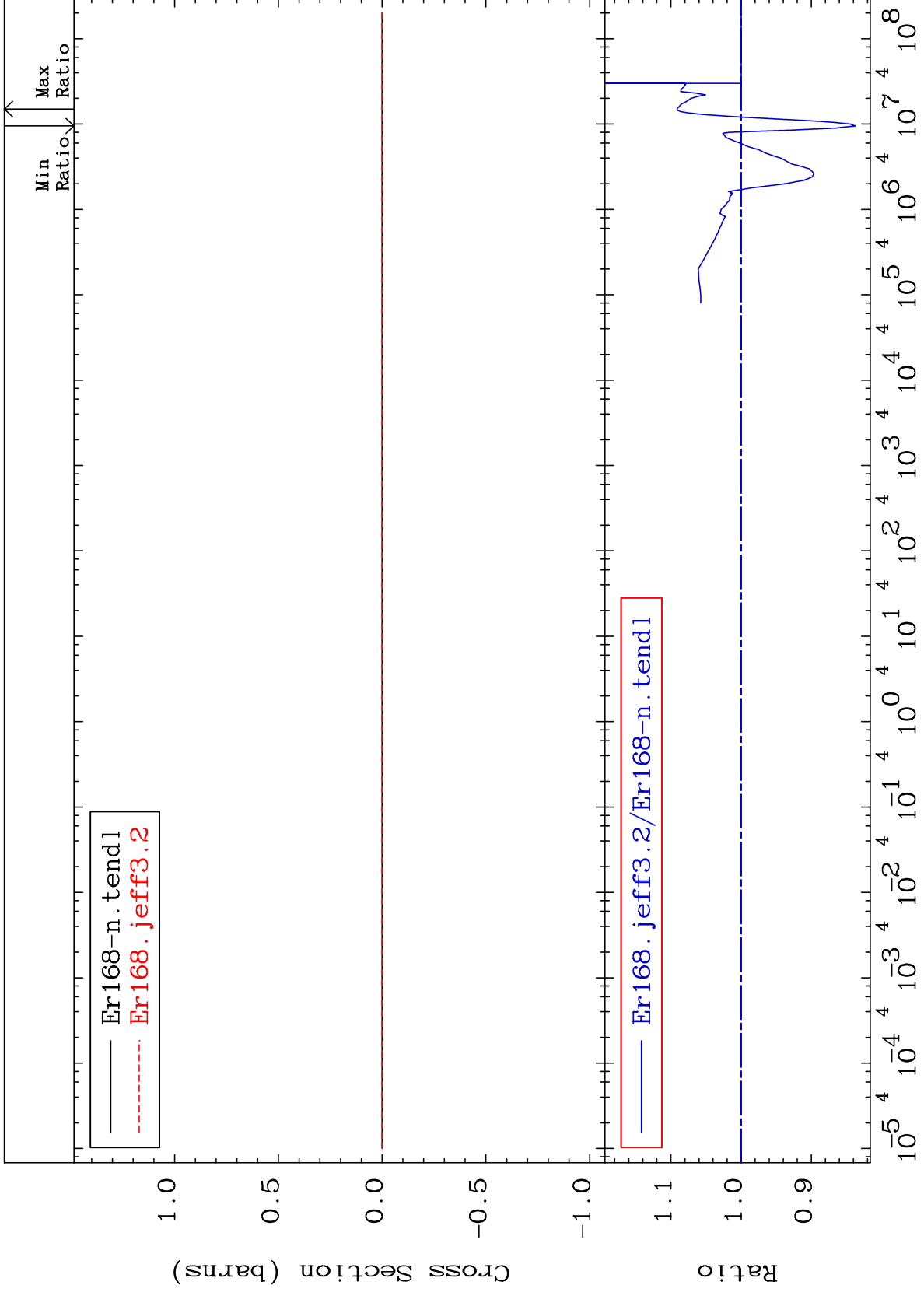


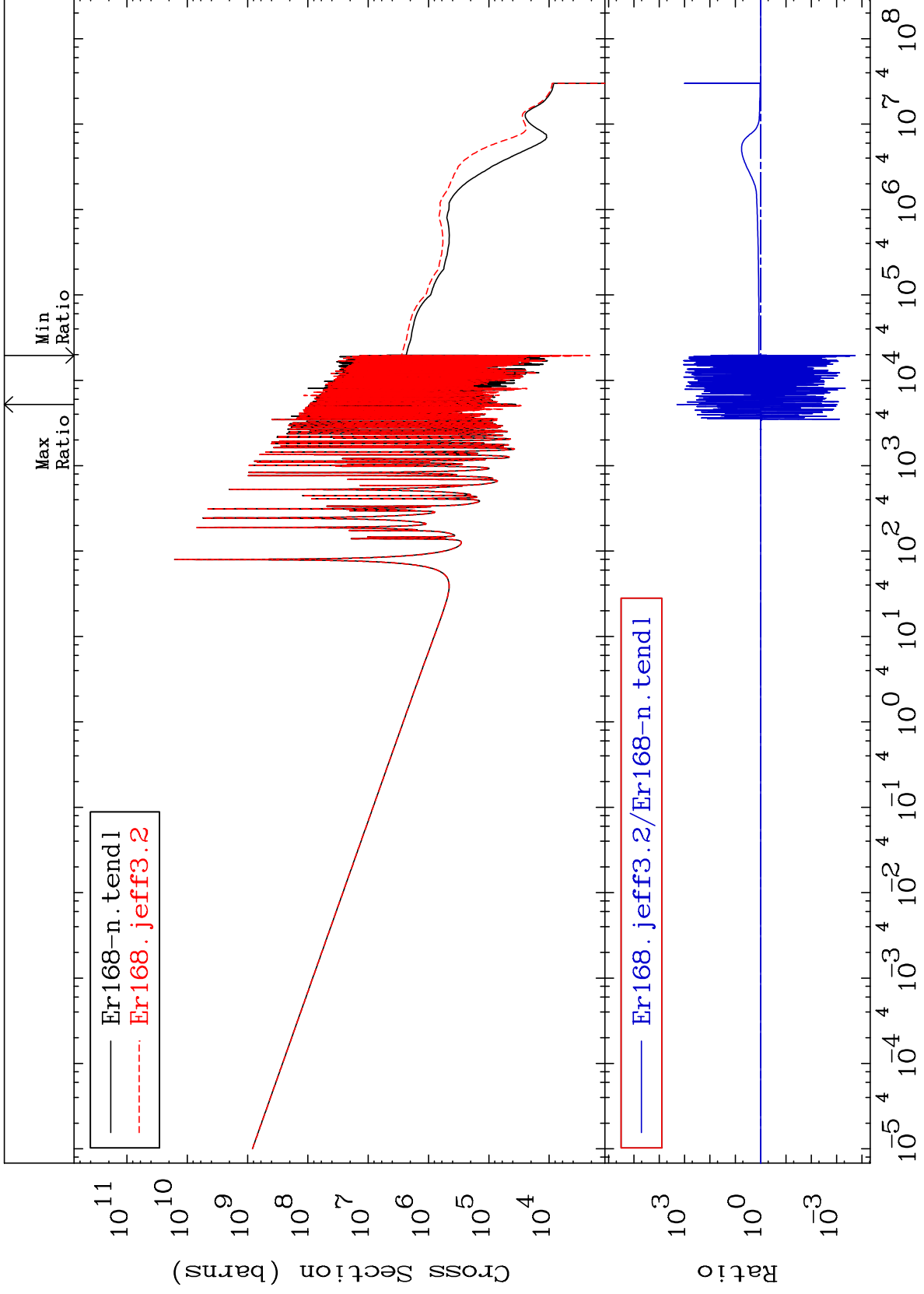


MAT 6843

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

68-Er-168  
-16.24 To 9.141 %

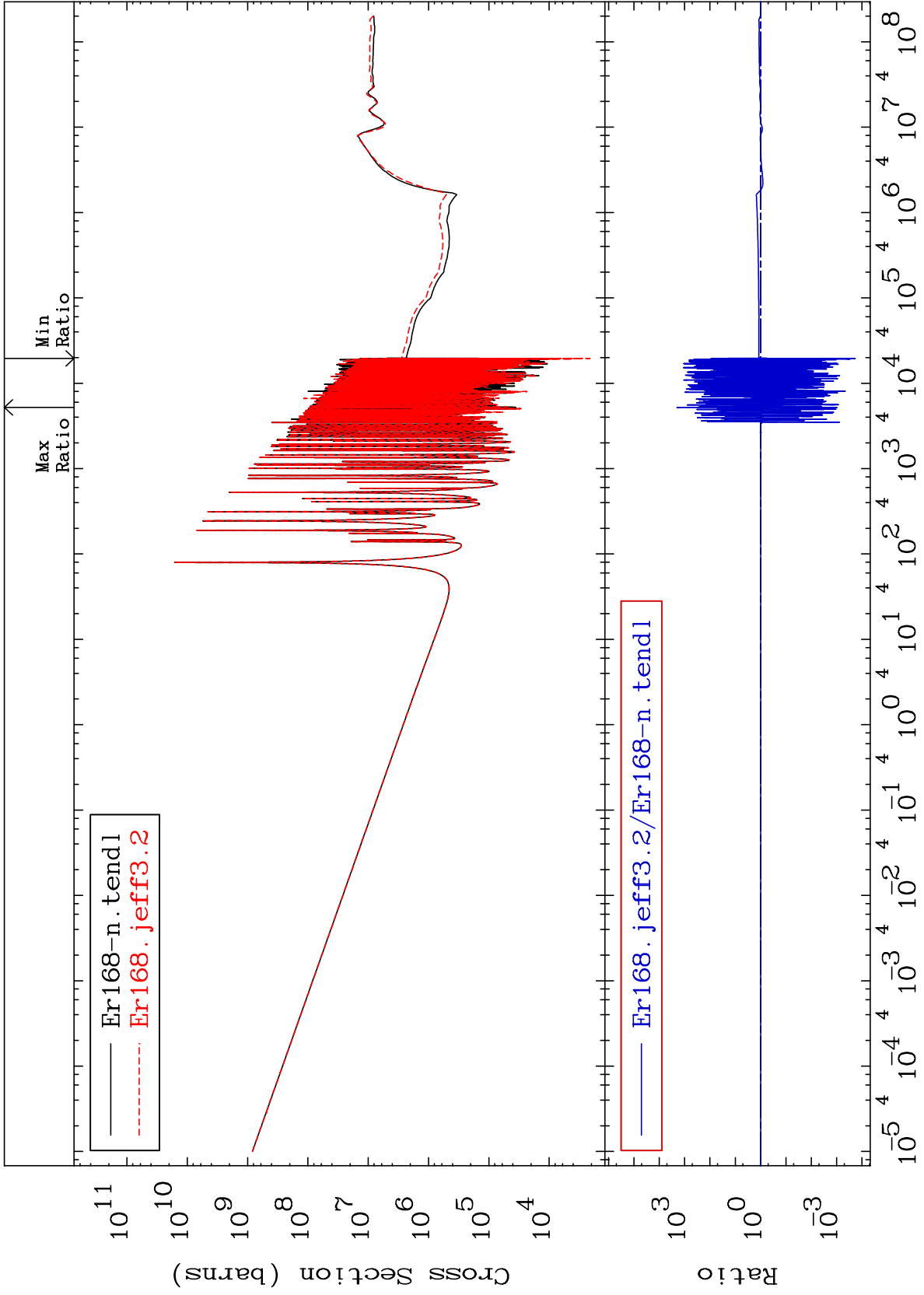




MAT 6843

Total photon (eV-barns)  
Cross Section

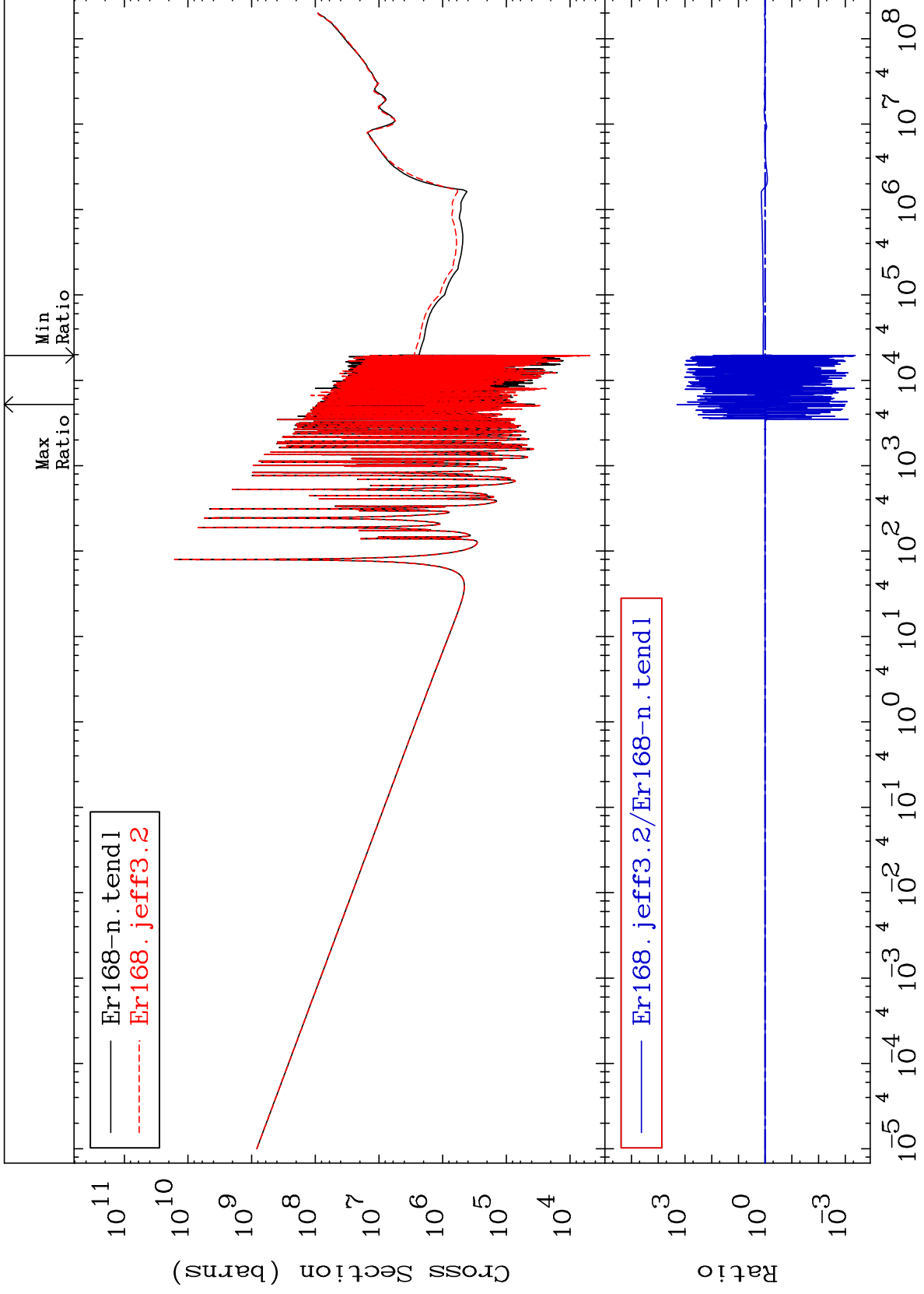
68-Er-168  
-99.98 To 9999. %



70

Incident Energy (eV)

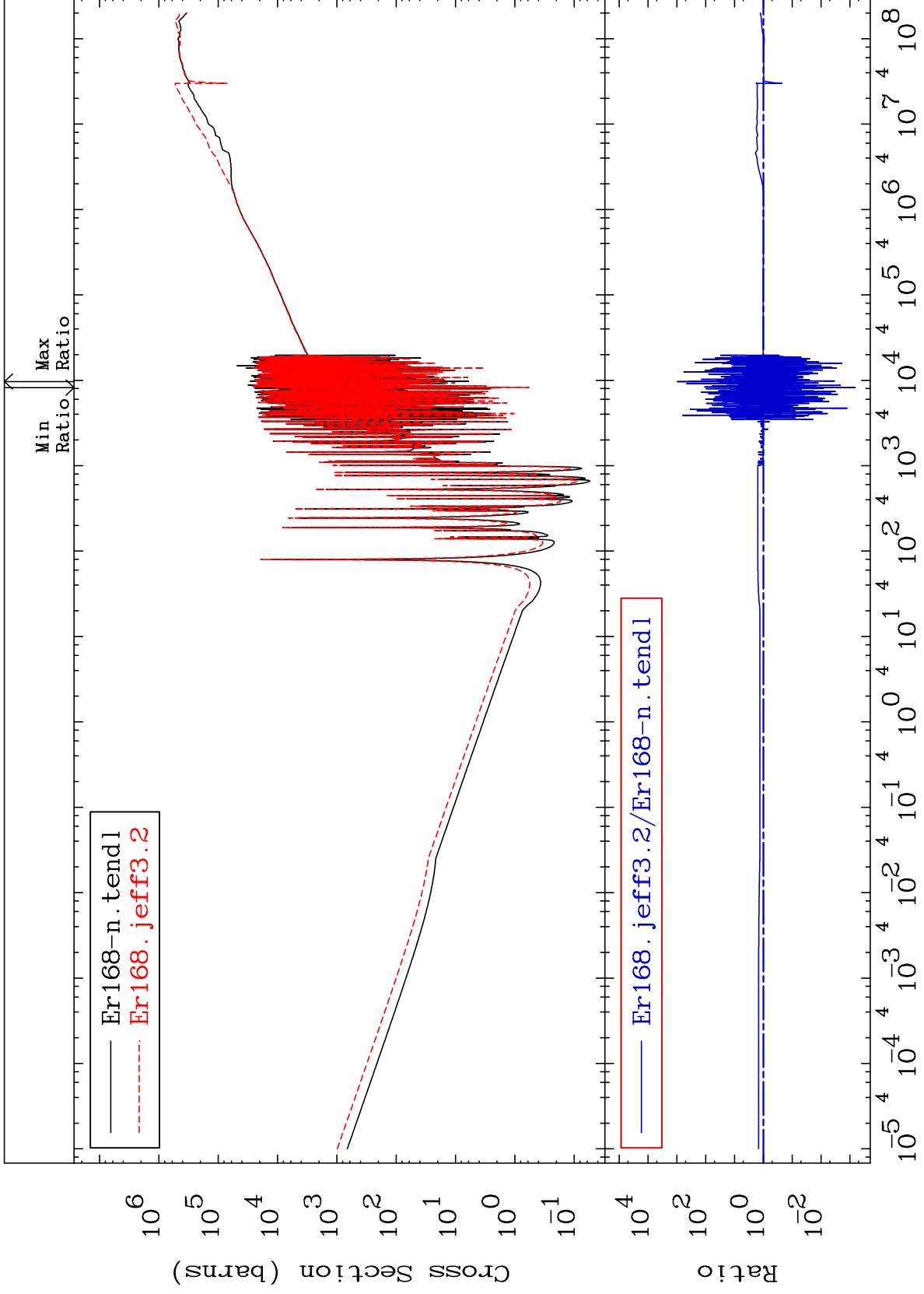
68-Er-168



MAT 6843

Dpa total (eV-barns)  
Cross Section

68-Er-168  
-99.93 To 9999. %



72

Incident Energy (eV)

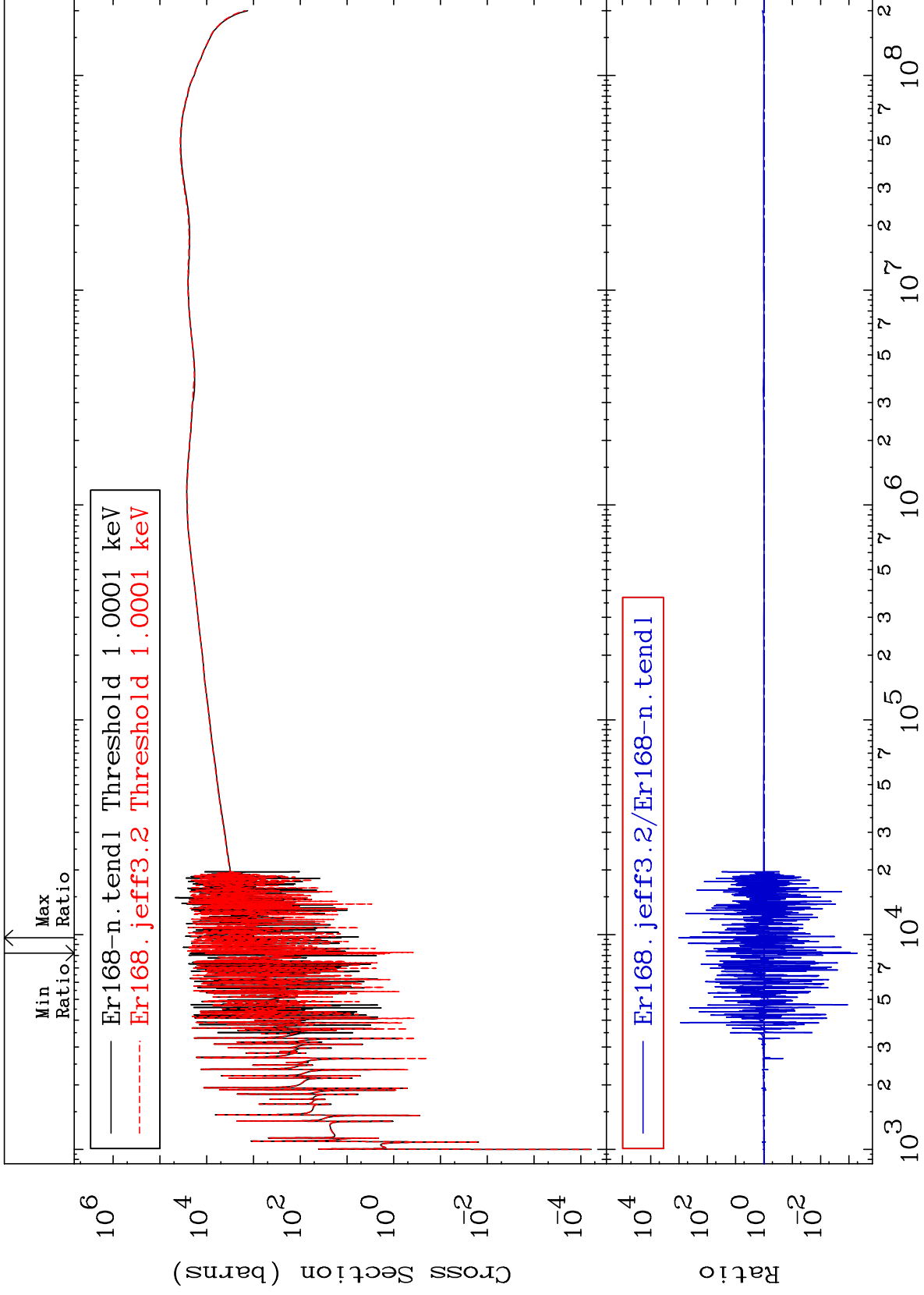
68-Er-168



MAT 6843

Dpa elastic (mt2)  
Cross Section

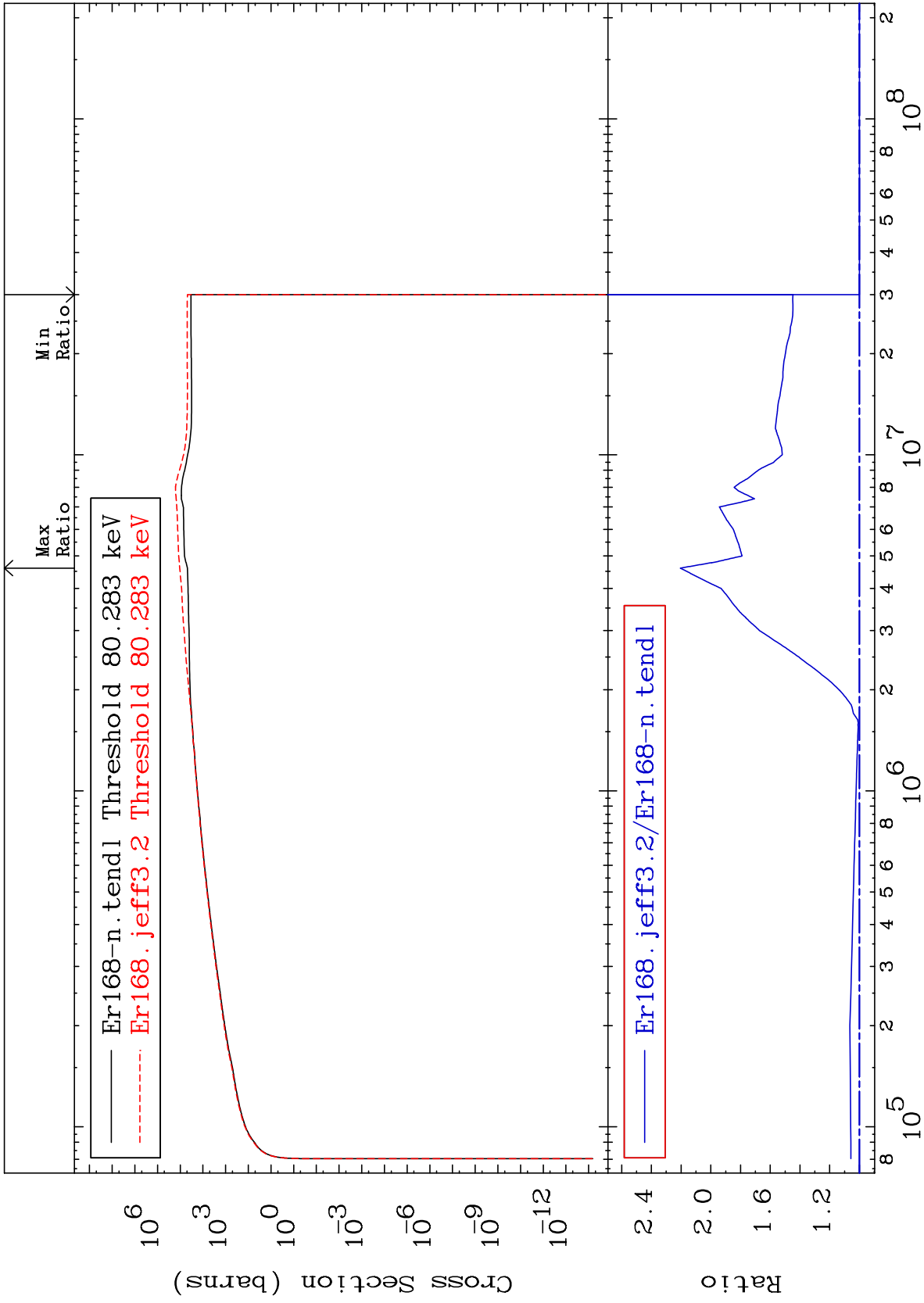
68-Er-168  
-99.95 To 9999. %

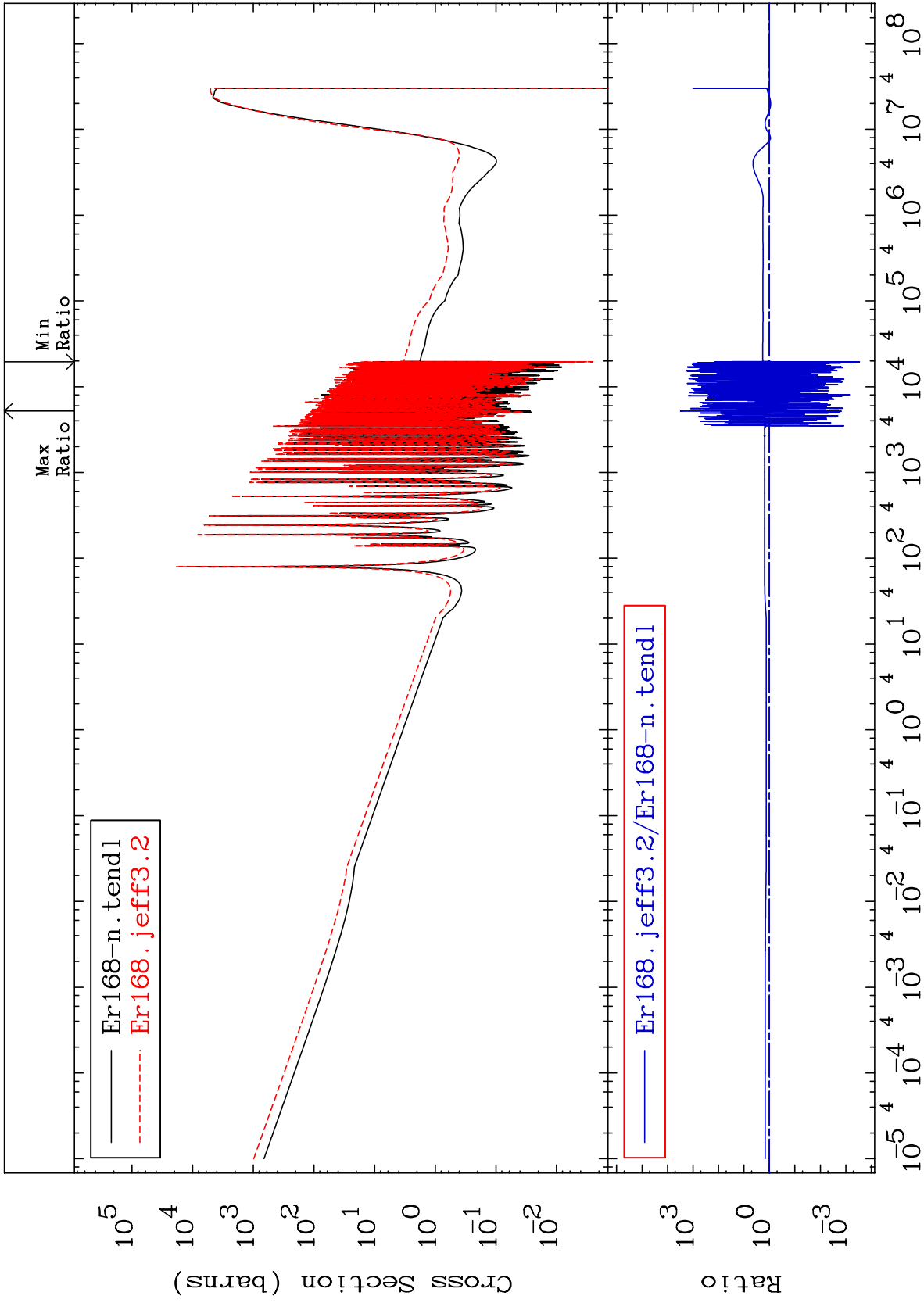


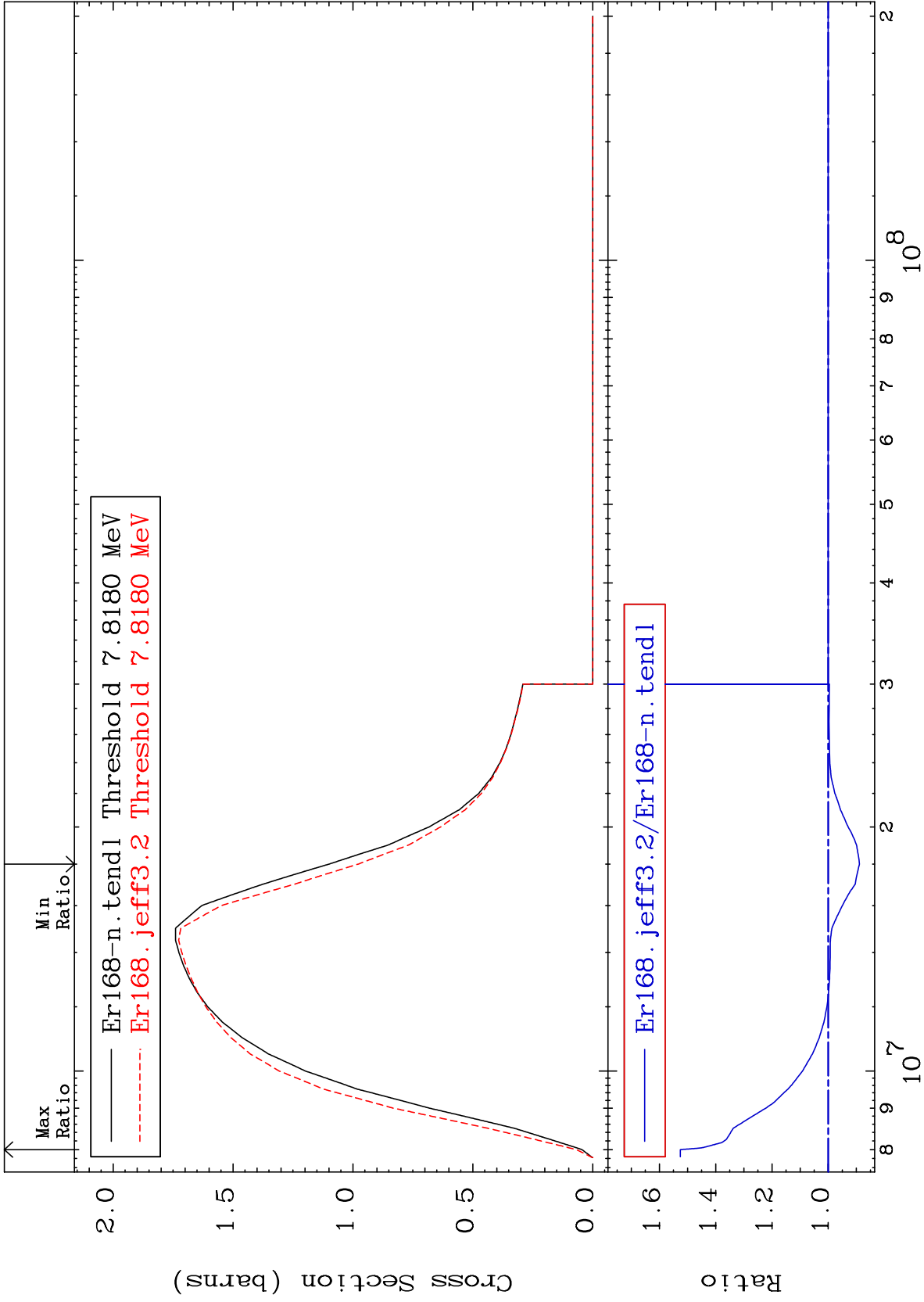
73

Incident Energy (eV)

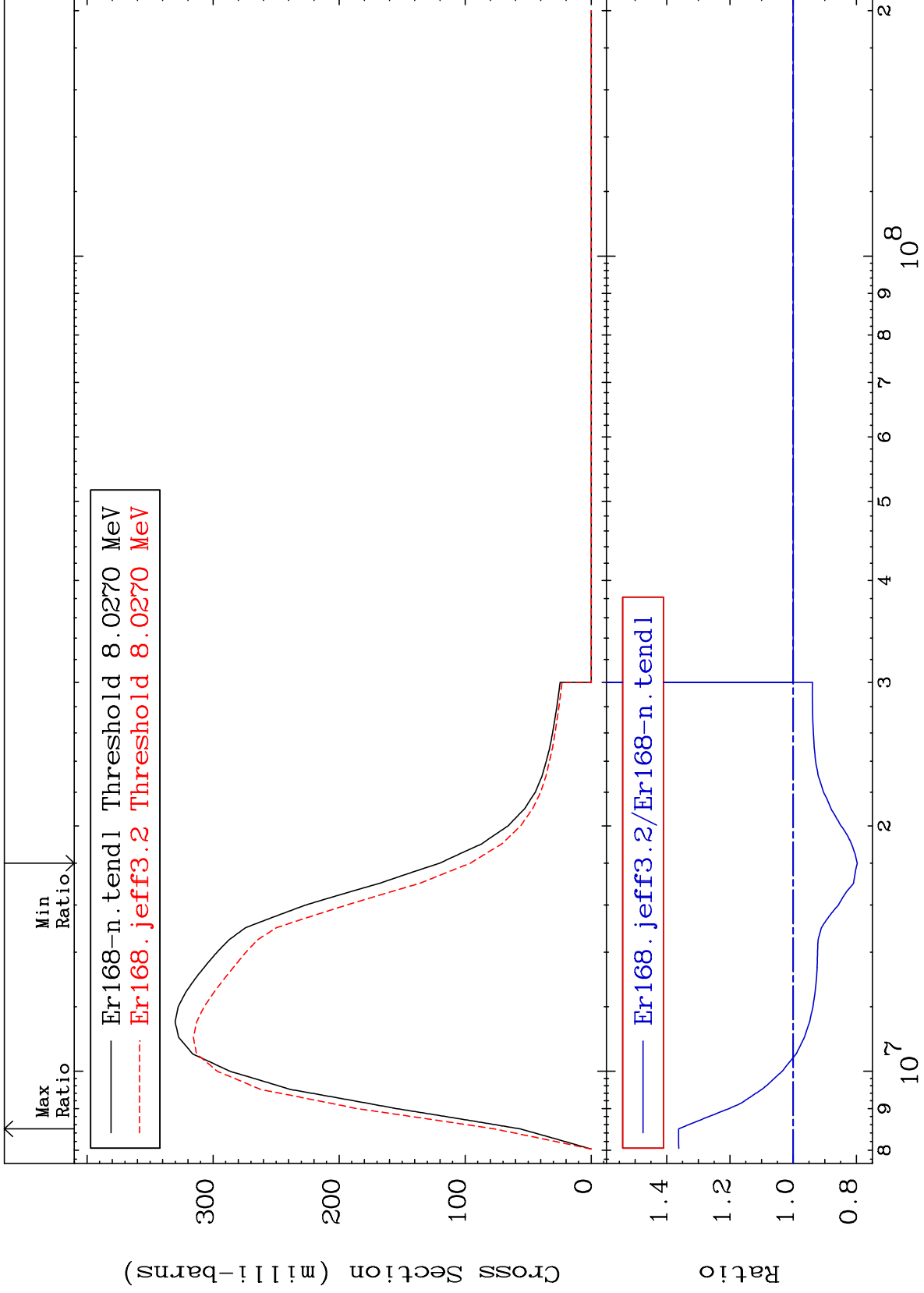
68-Er-168



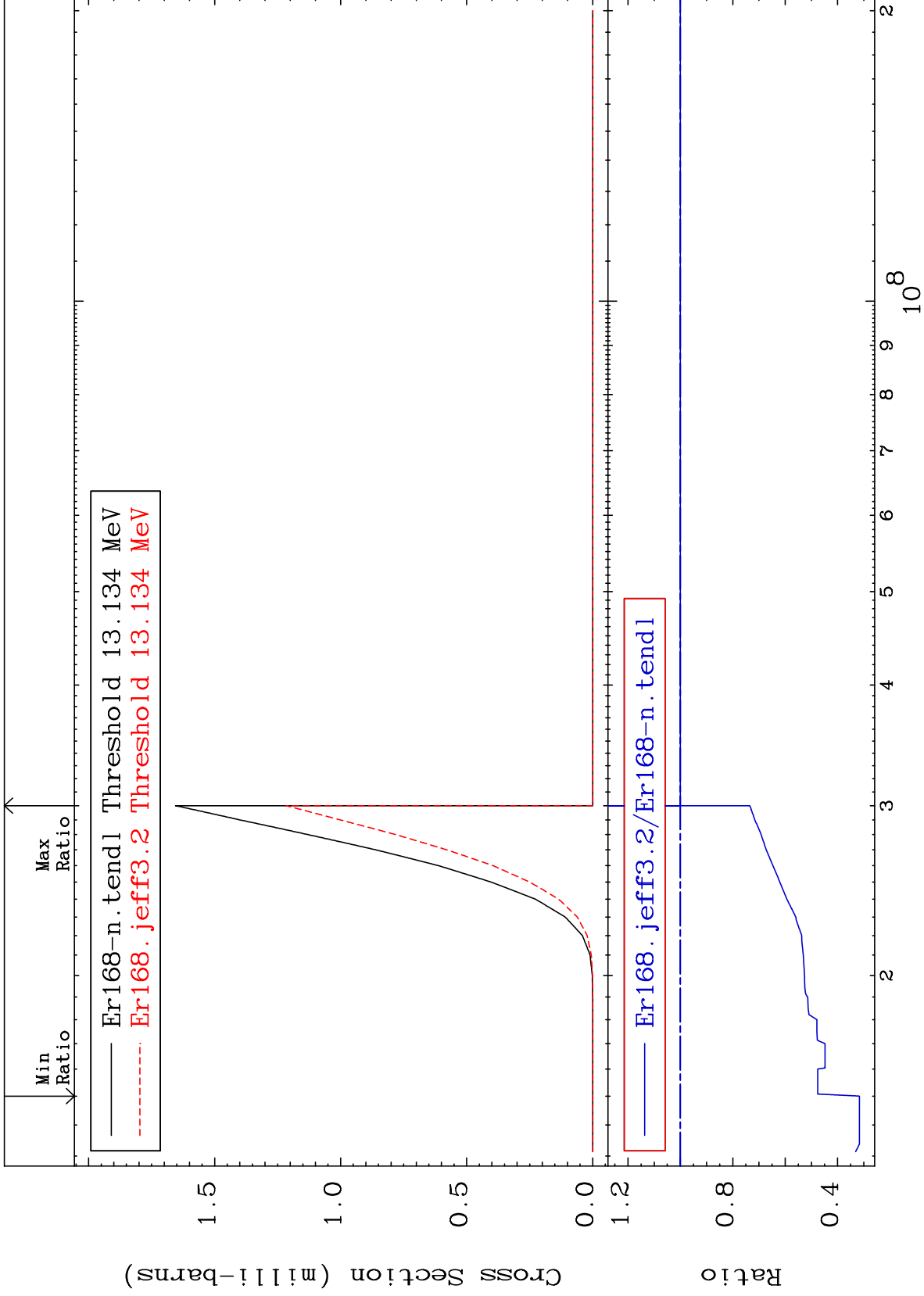




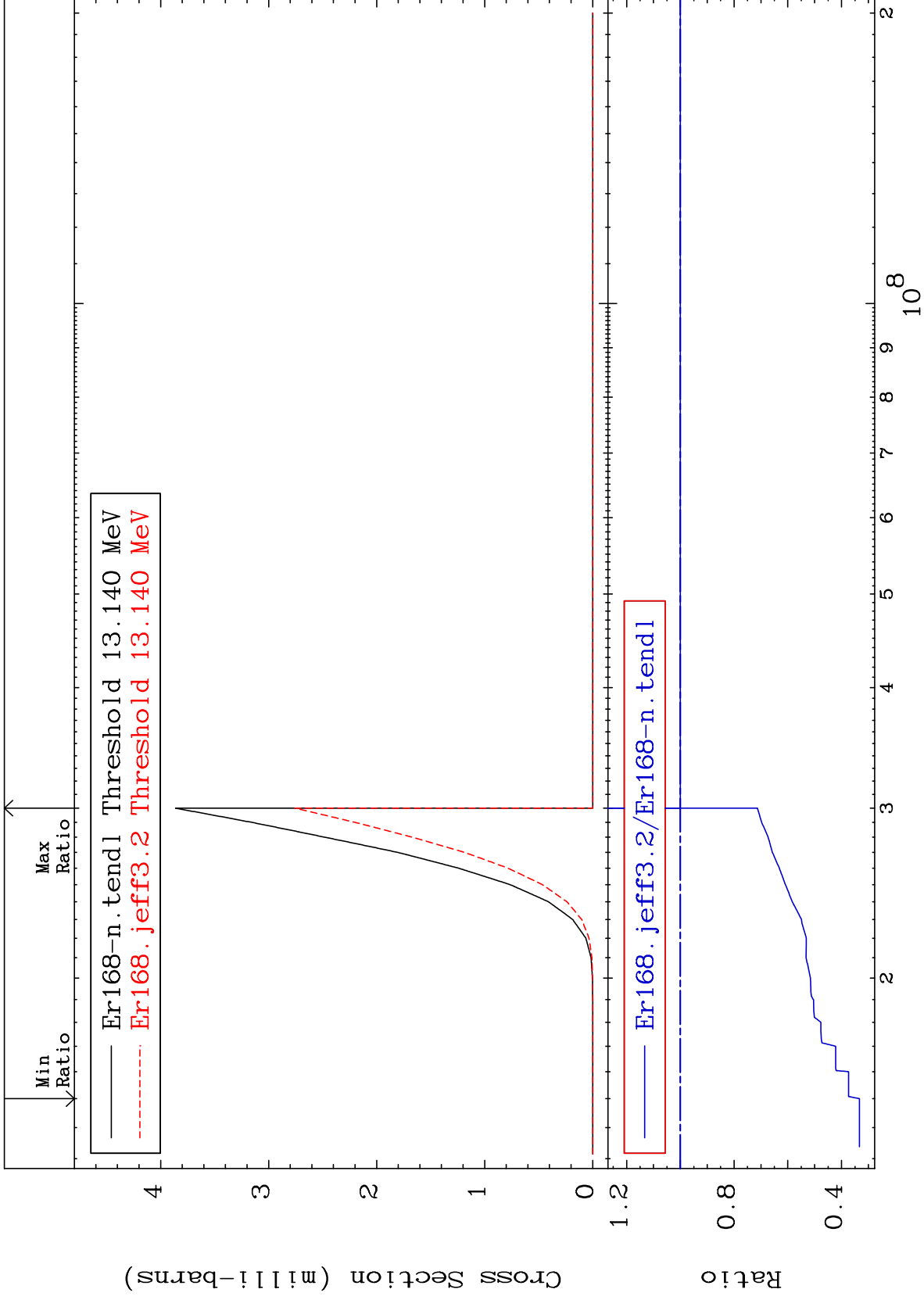
Radionuclide Production Cross Section -20.29 To 36.22 %

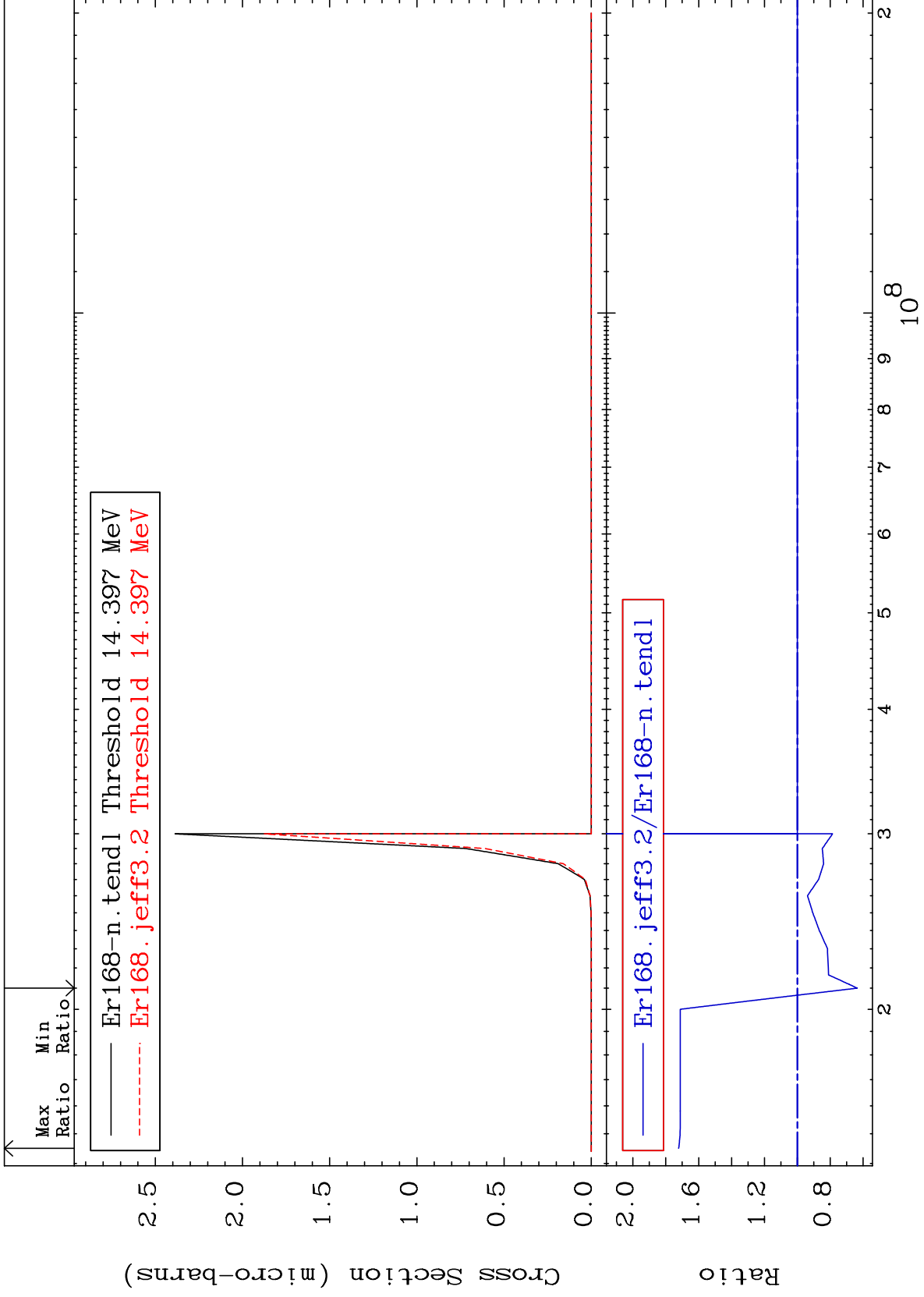


Radionuclide Production Cross Section -68.32 To 0.000 %

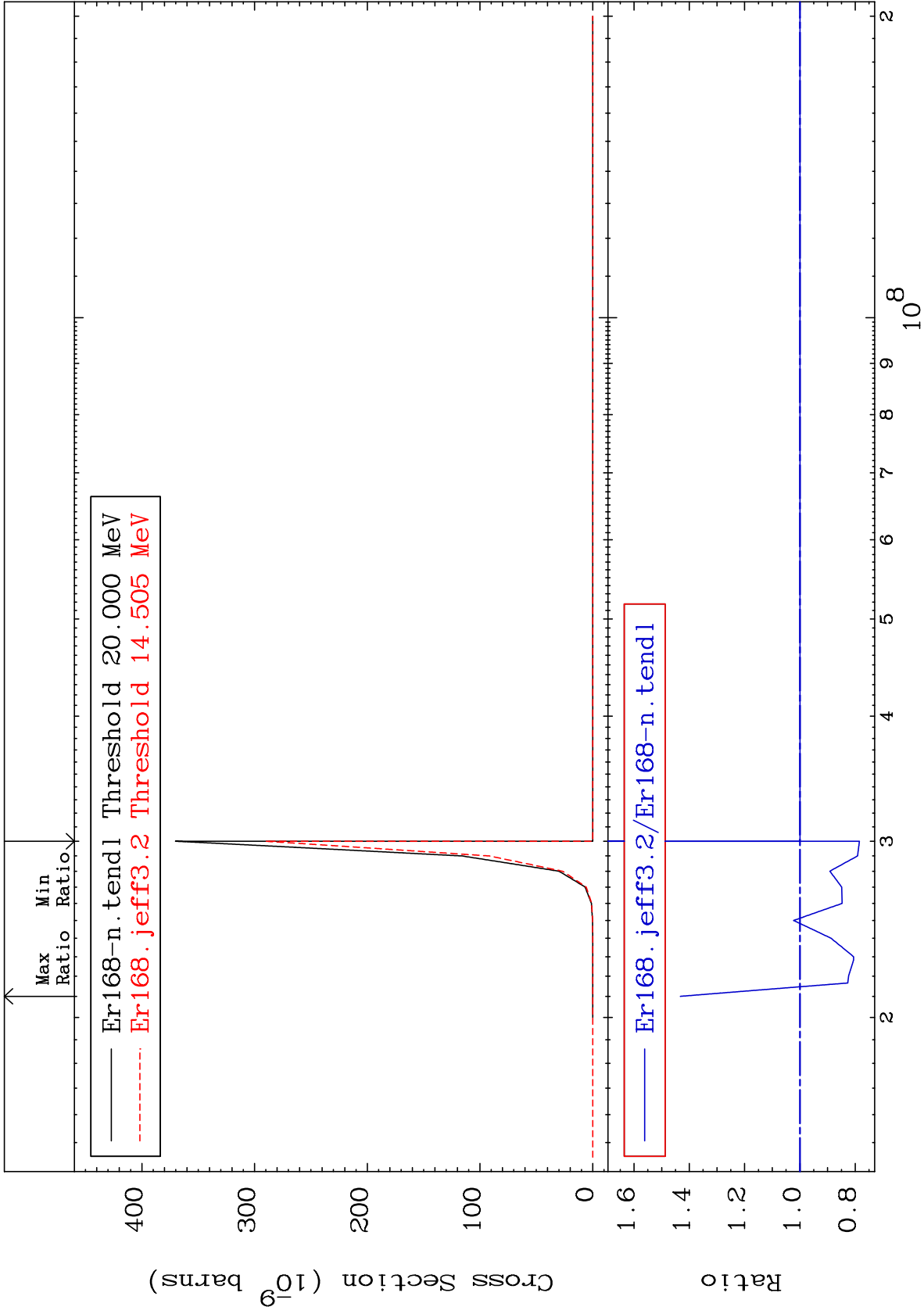


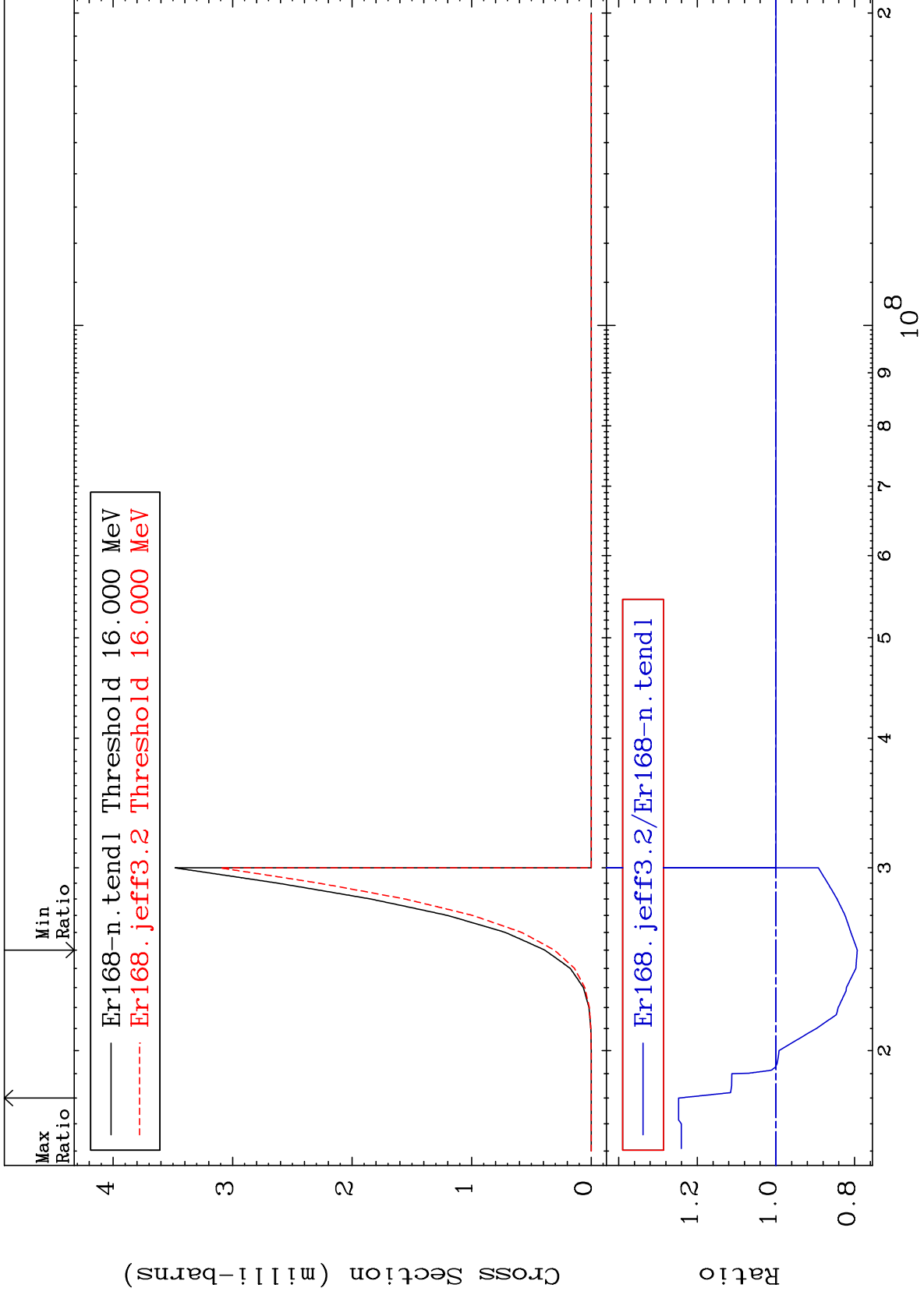
Radionuclide Production Cross Section -66.67 To 0.000 %





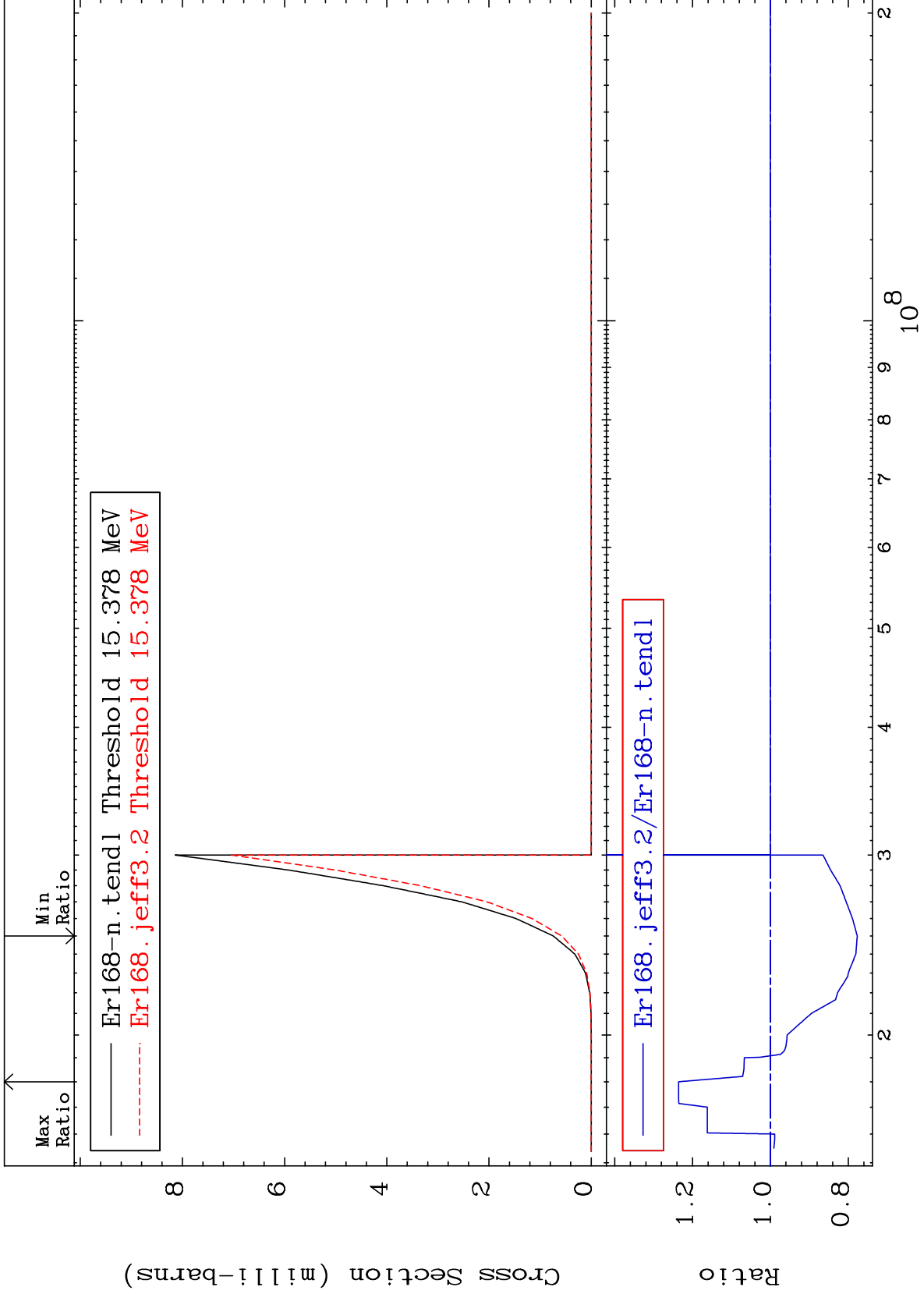






Radionuclide Production Cross Section

-22.32 To 23.57 %



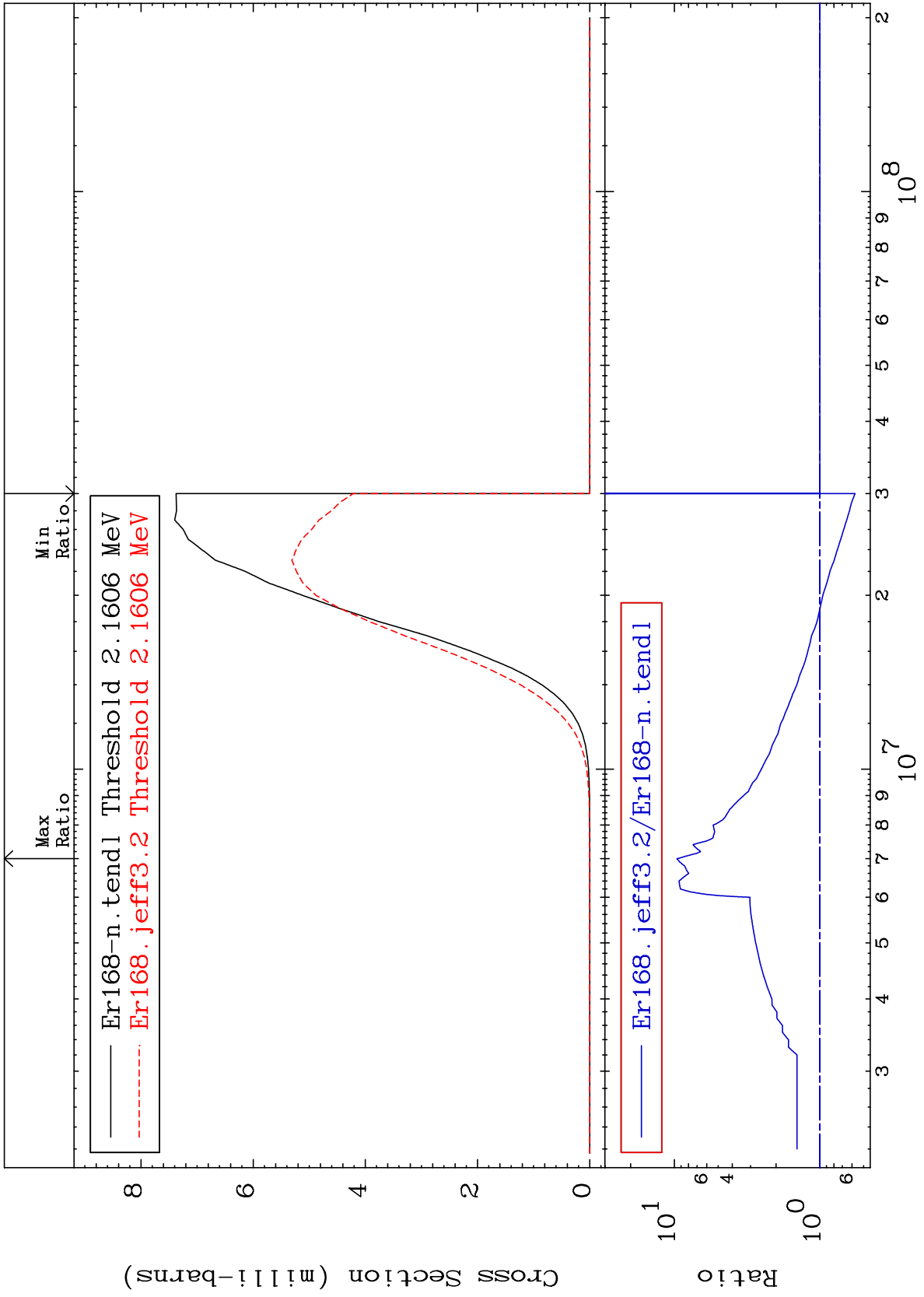
MAT 6843

(n, p) : 67-Ho-168g

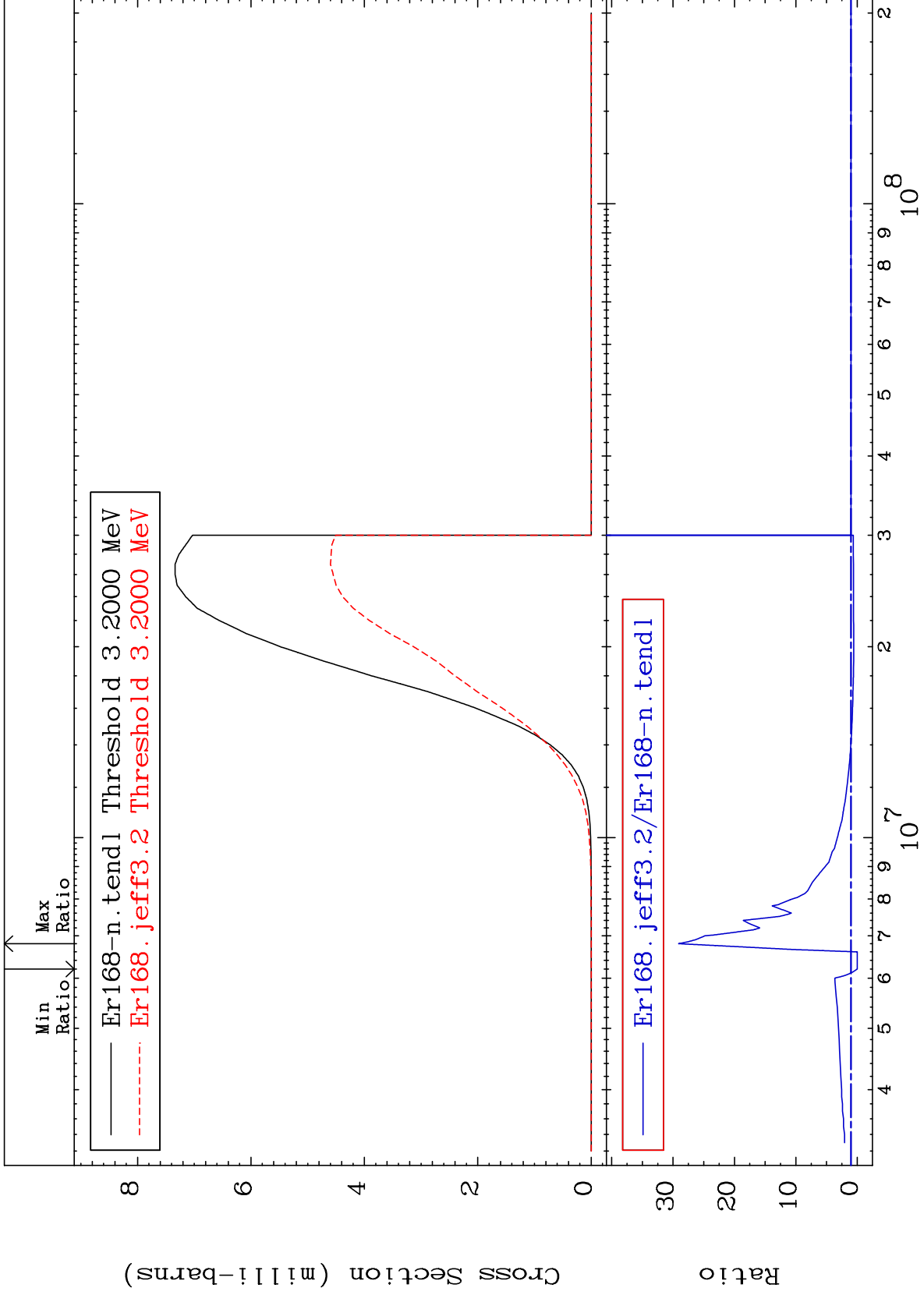
68-Er-168

Radionuclide Production Cross Section

-42.85 To 861.6 %



Radionuclide Production Cross Section -100.0 To 2809. %



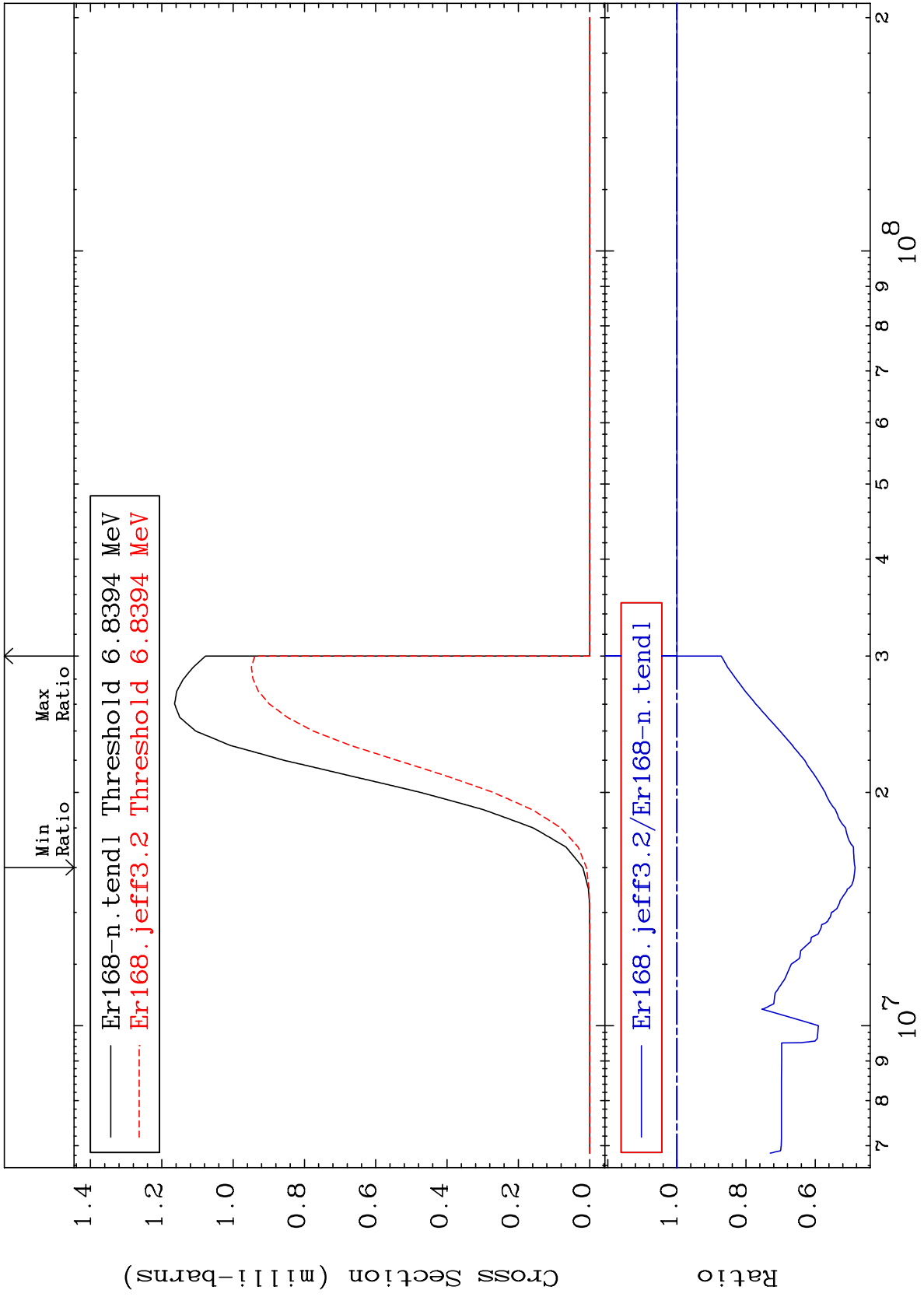
MAT 6843

(n, t) : 67-Ho-166g

68-Er-168

Radionuclide Production Cross Section

-51.55 To 0.000 %



86

Incident Energy (eV)

68-Er-168

Radionuclide Production Cross Section -48.75 To 0.000 %

