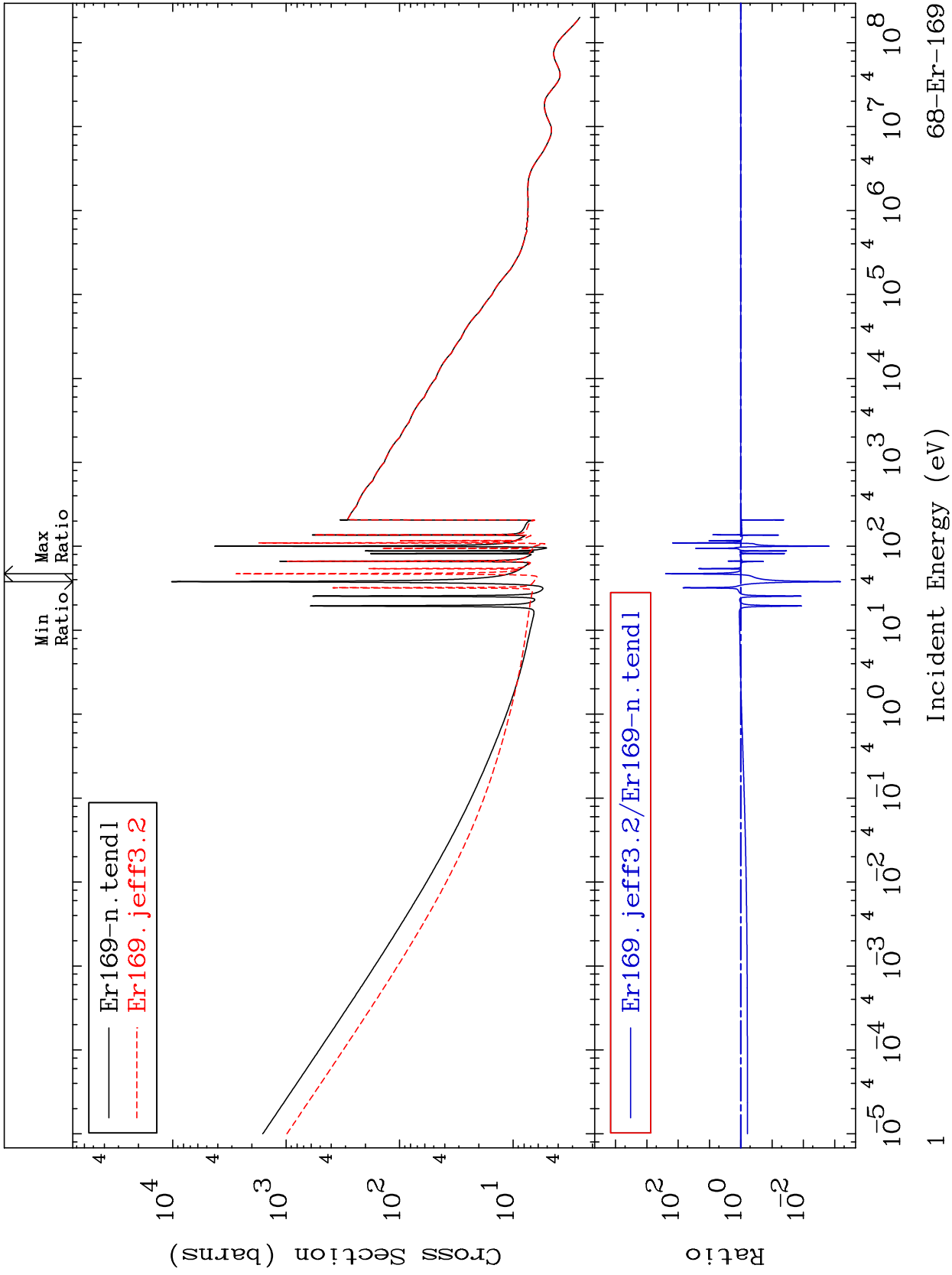


MAT 6846

Total Cross Section  
68-Er-169  
-99.94 To 9999. %



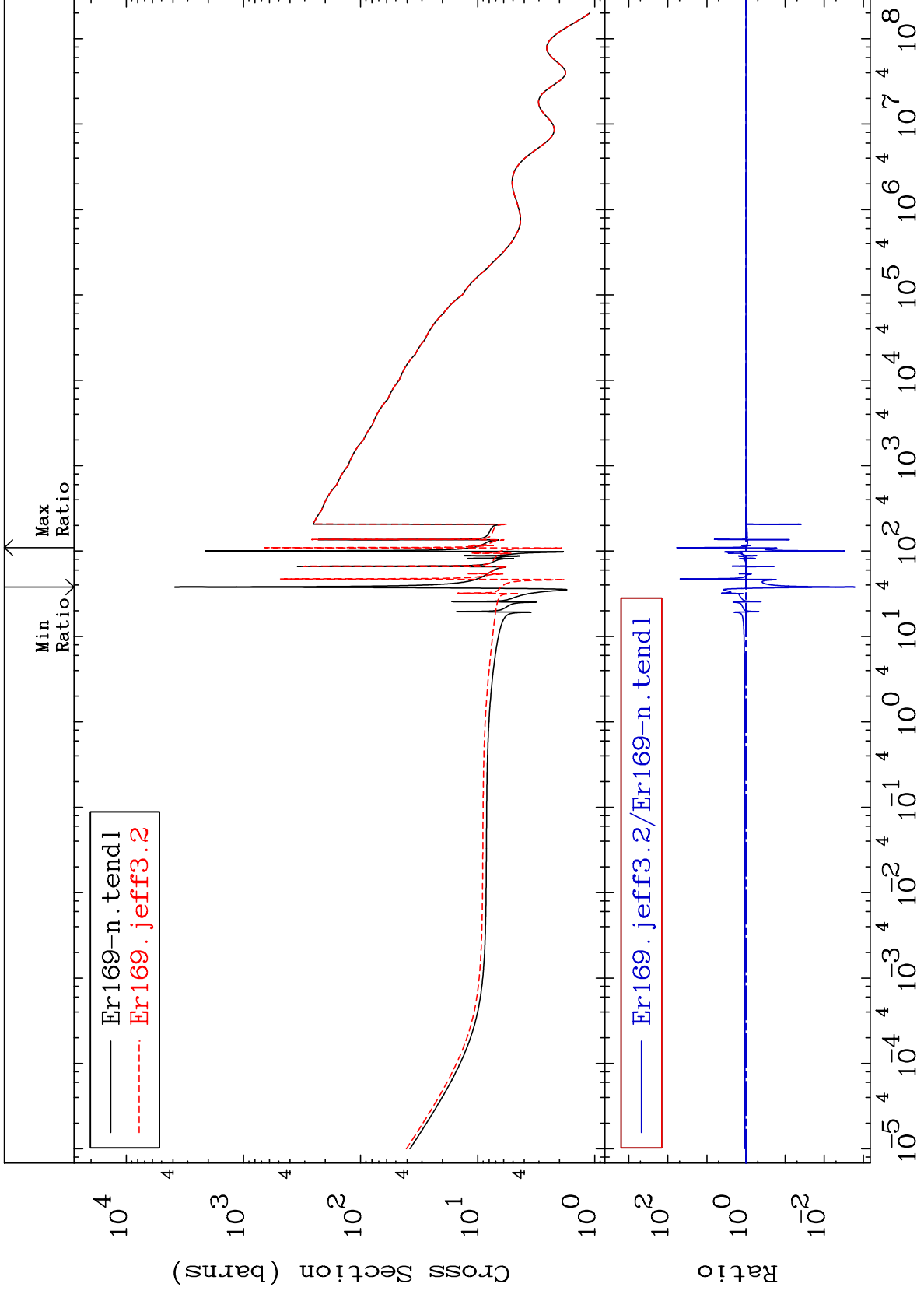
68-Er-169

Incident Energy (eV)

MAT 6846

Elastic  
Cross Section

68-Er-169  
-99.84 To 5739. %



Incident Energy (eV)

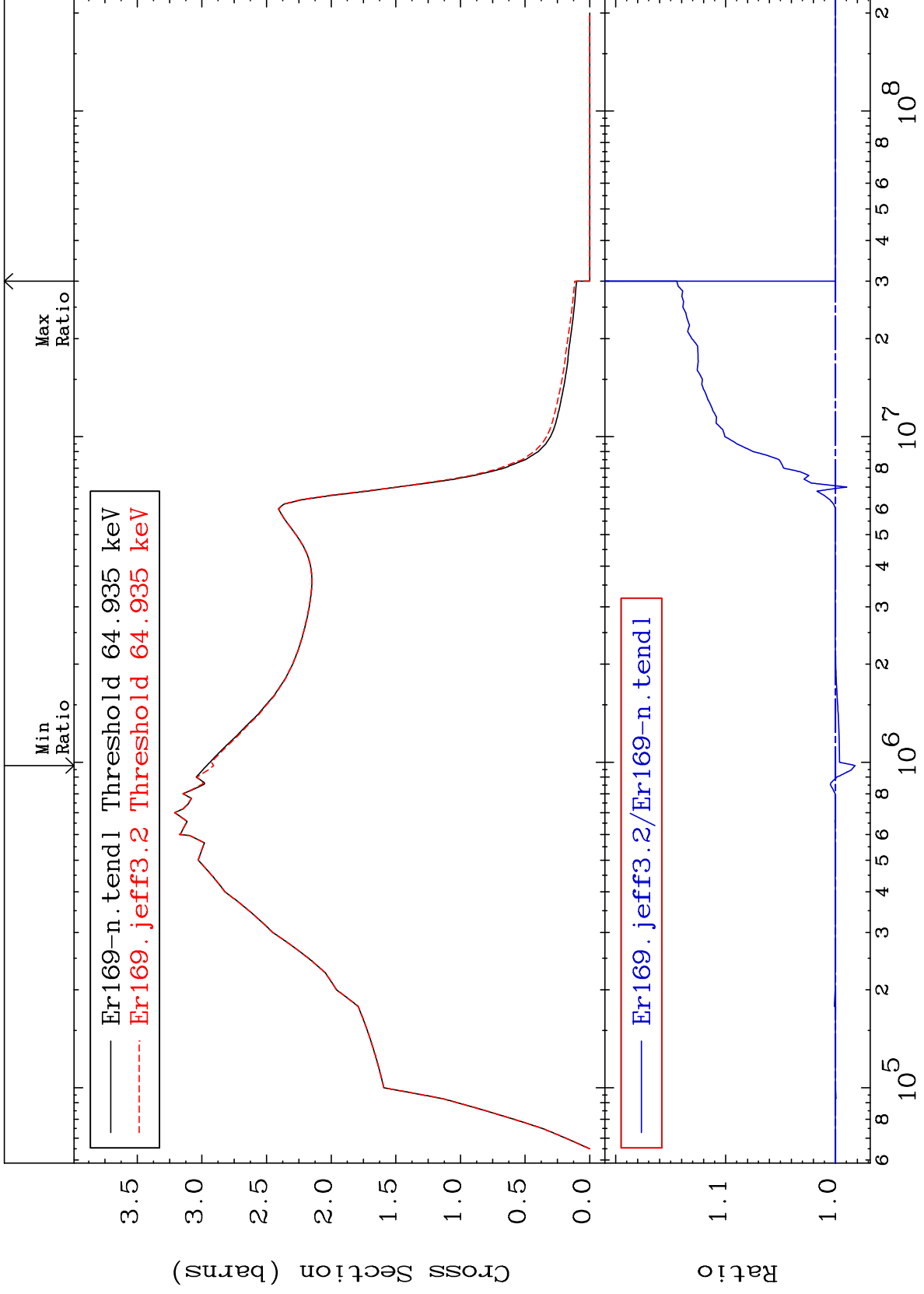
68-Er-169

2

MAT 6846

Inelastic  
Cross Section

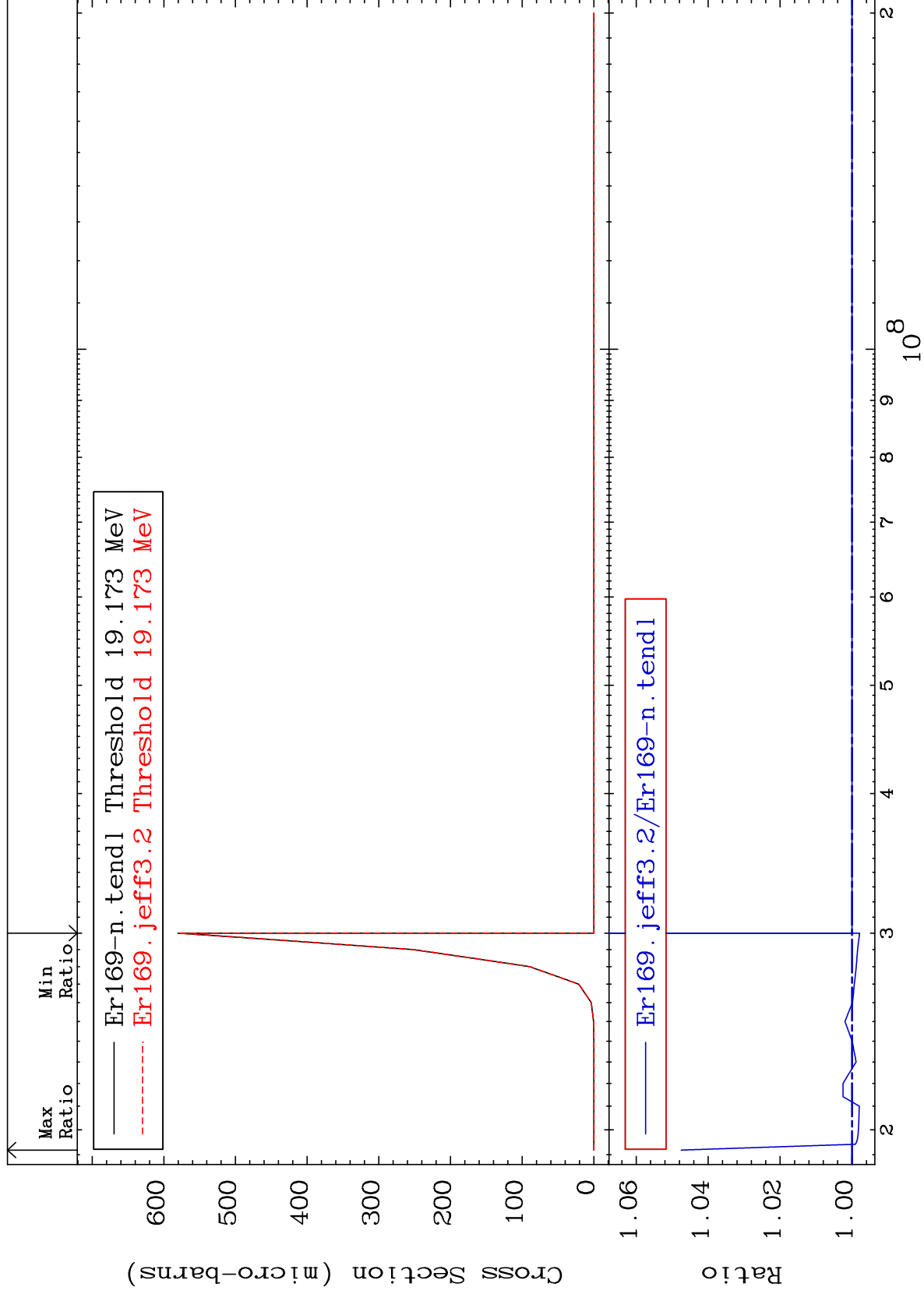
68-Er-169  
-1.788 To 14.42 %



MAT 6846

(n,2n) d  
Cross Section

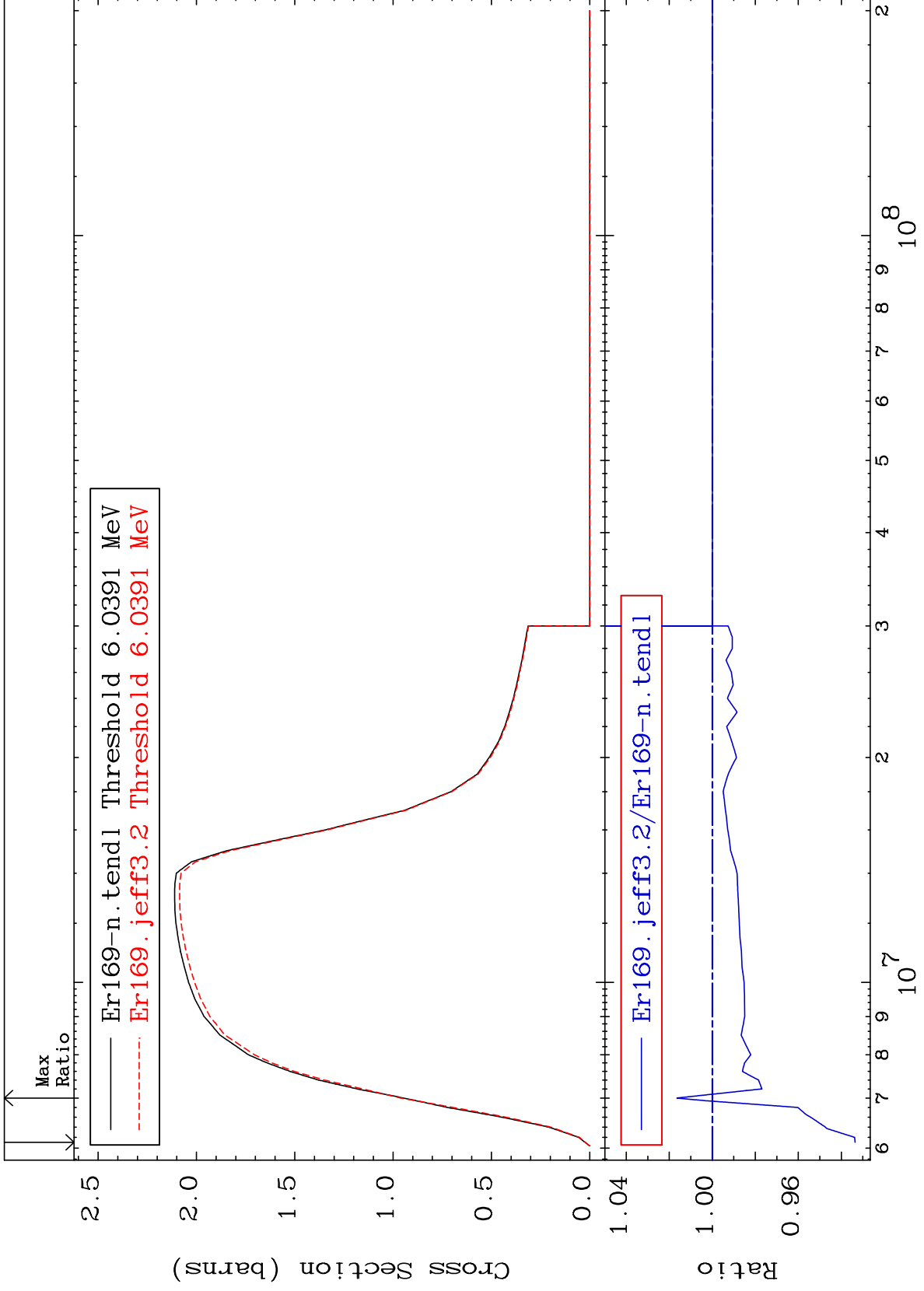
68-Er-169  
-0.211 To 4.750 %



MAT 6846

(n,2n)  
Cross Section

68-Er-169  
-6.641 To 1.645 %



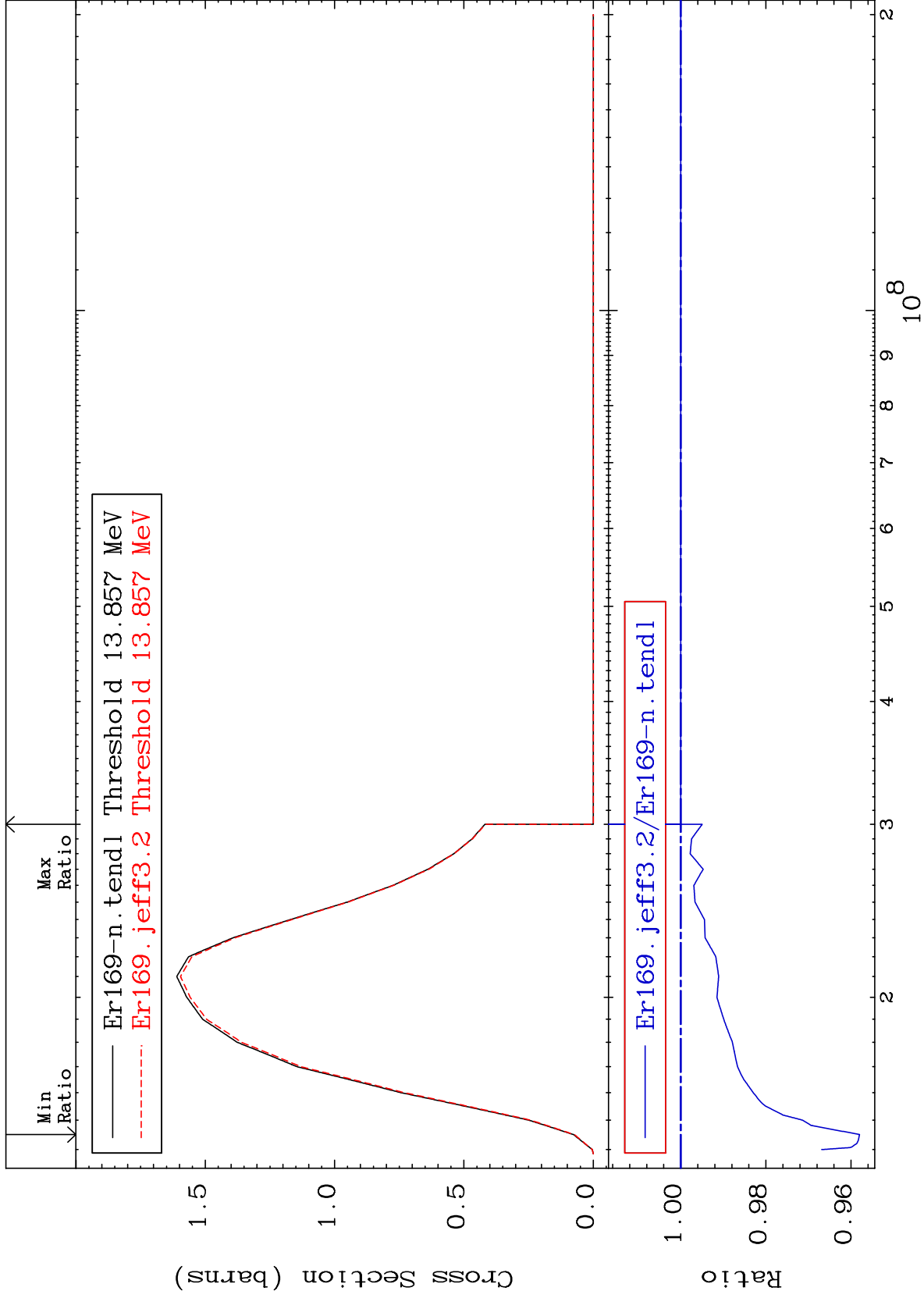
5

Incident Energy (eV)

68-Er-169

Cross Section

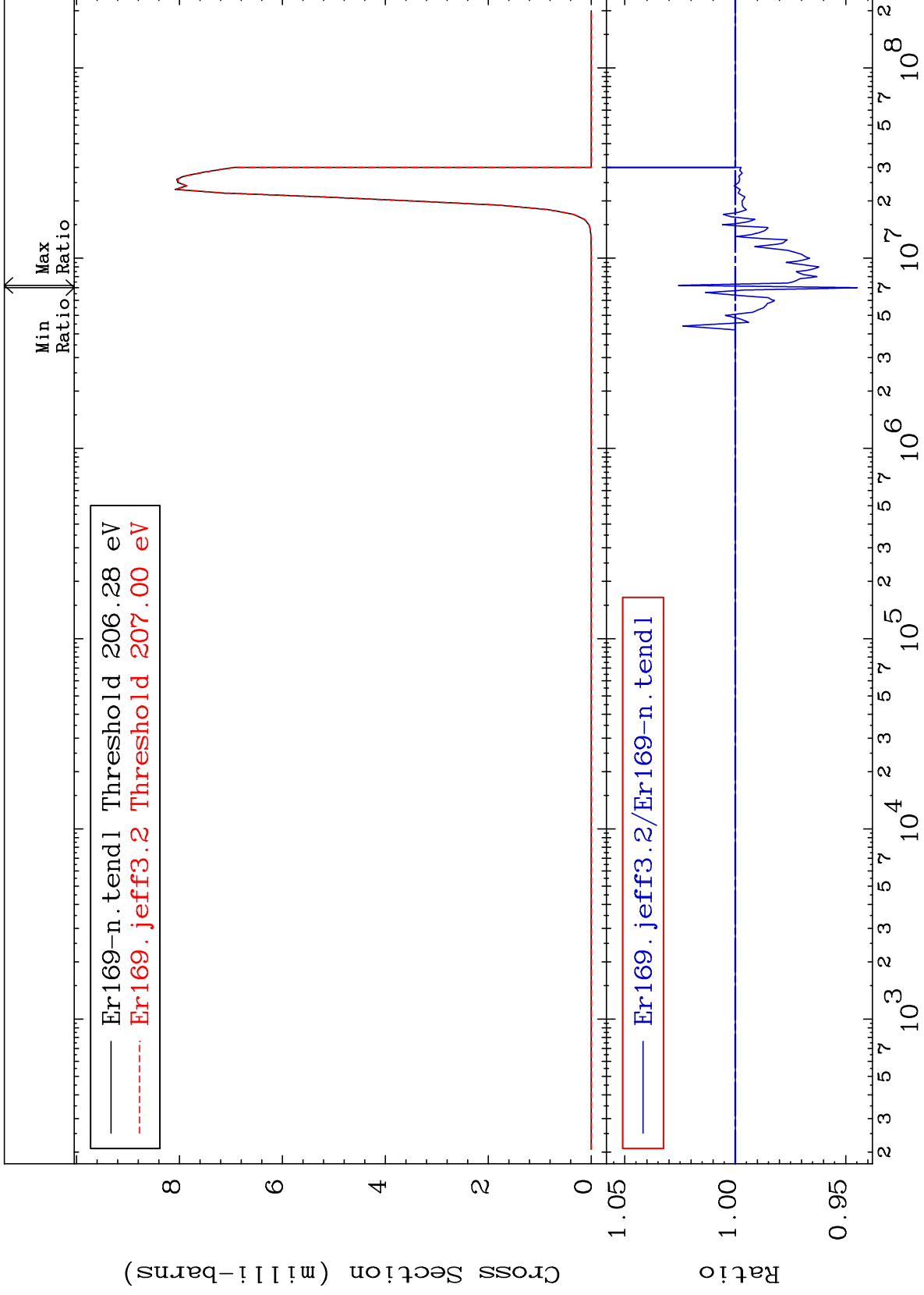
-4.200 To 0.000 %



MAT 6846

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

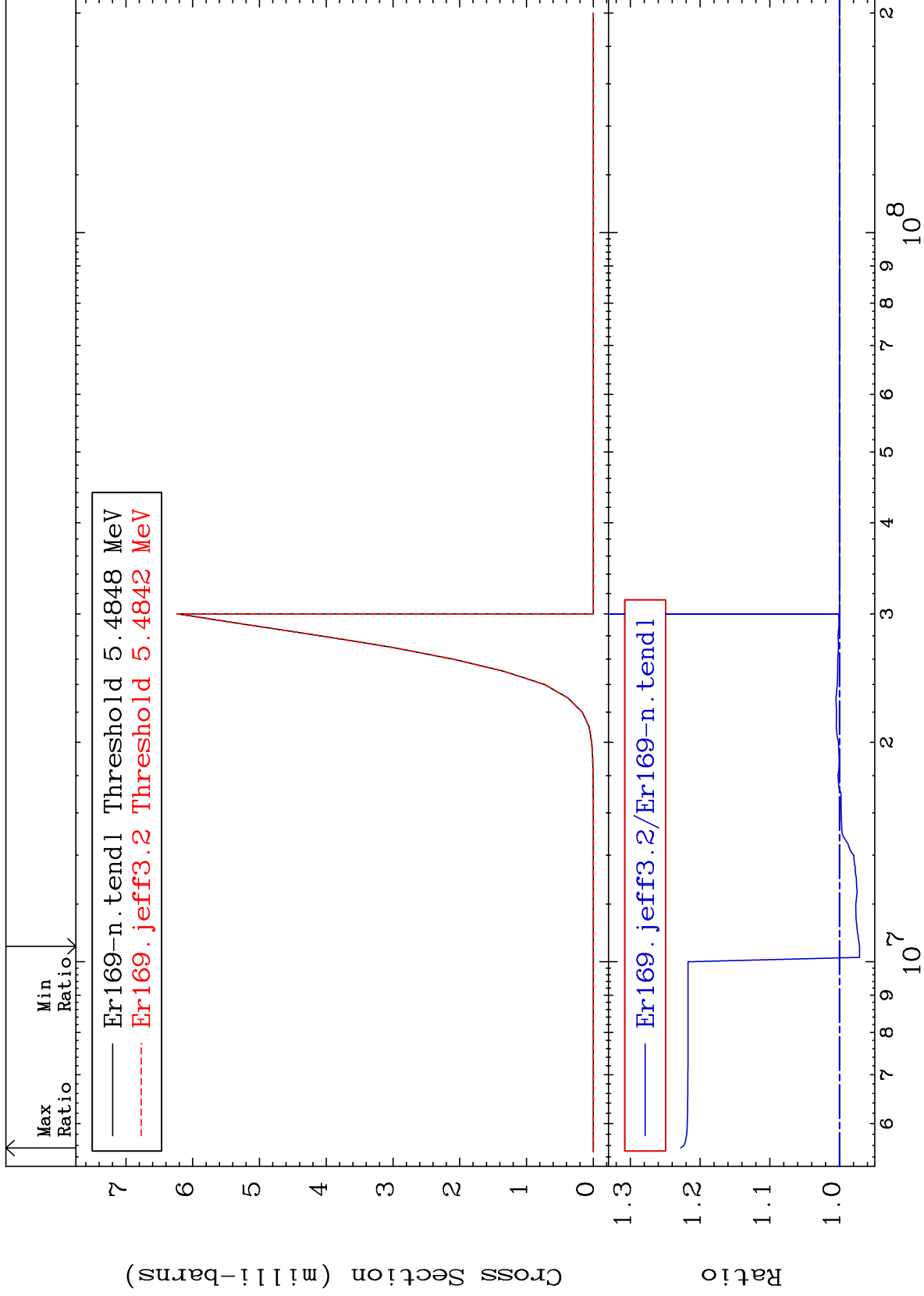
68-Er-169  
-5.522 To 2.564 %



MAT 6846

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

68-Er-169  
-2.871 To 22.76 %

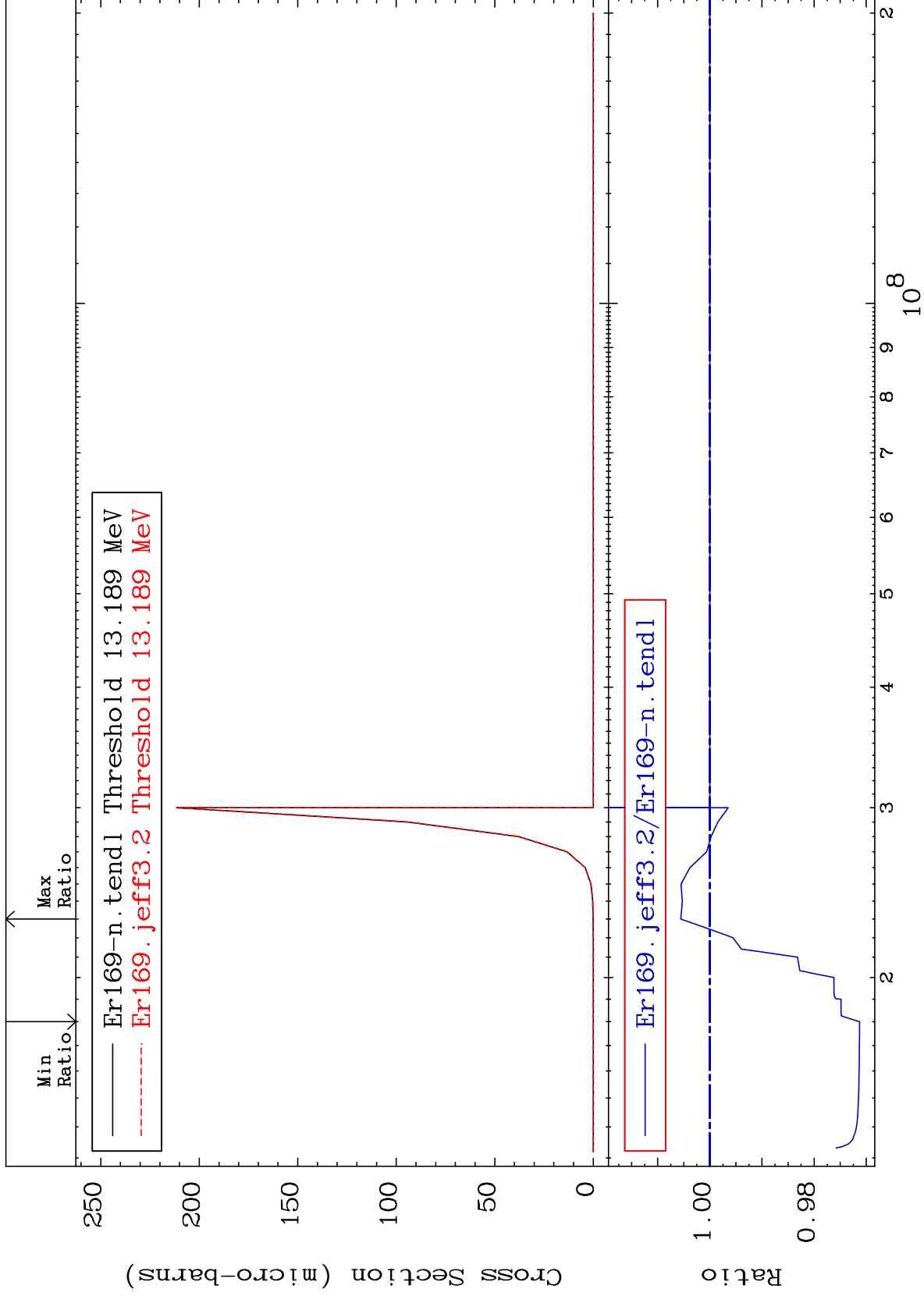




MAT 6846

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

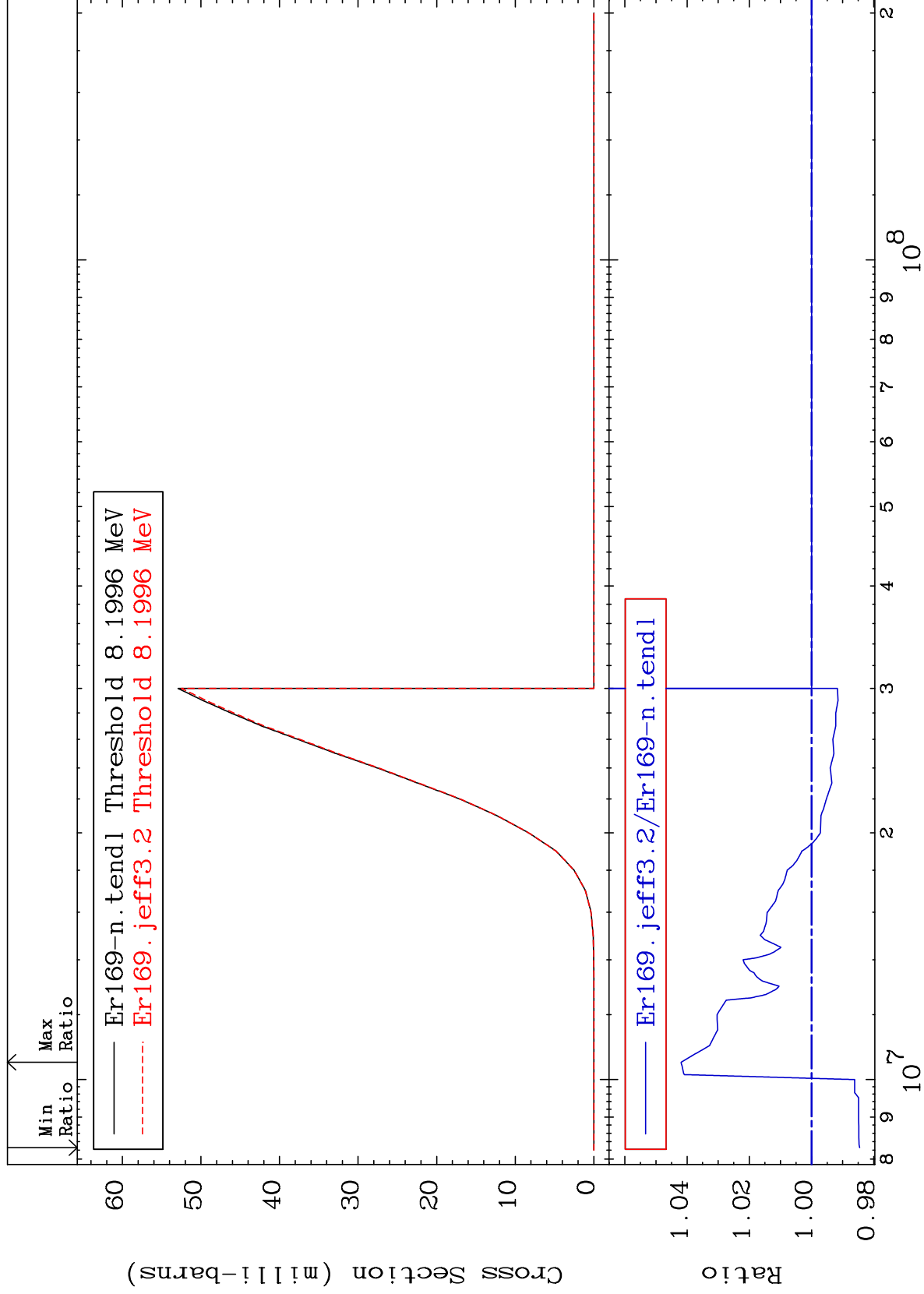
68-Er-169  
-2.870 To 0.558 %



MAT 6846

(n, n') p  
Cross Section

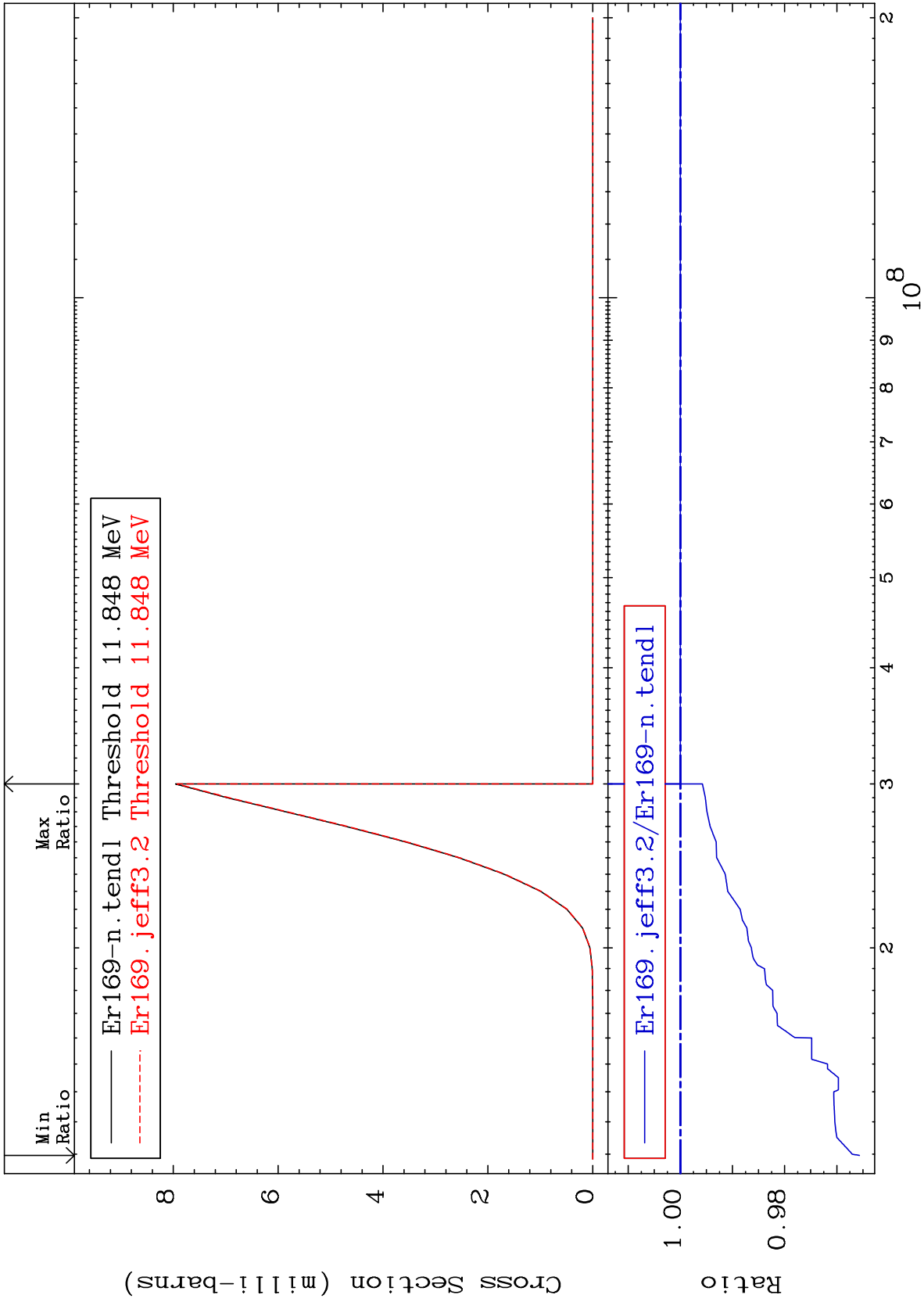
68-Er-169  
-1.545 To 4.190 %



10

Incident Energy (eV)

68-Er-169



MAT 6846

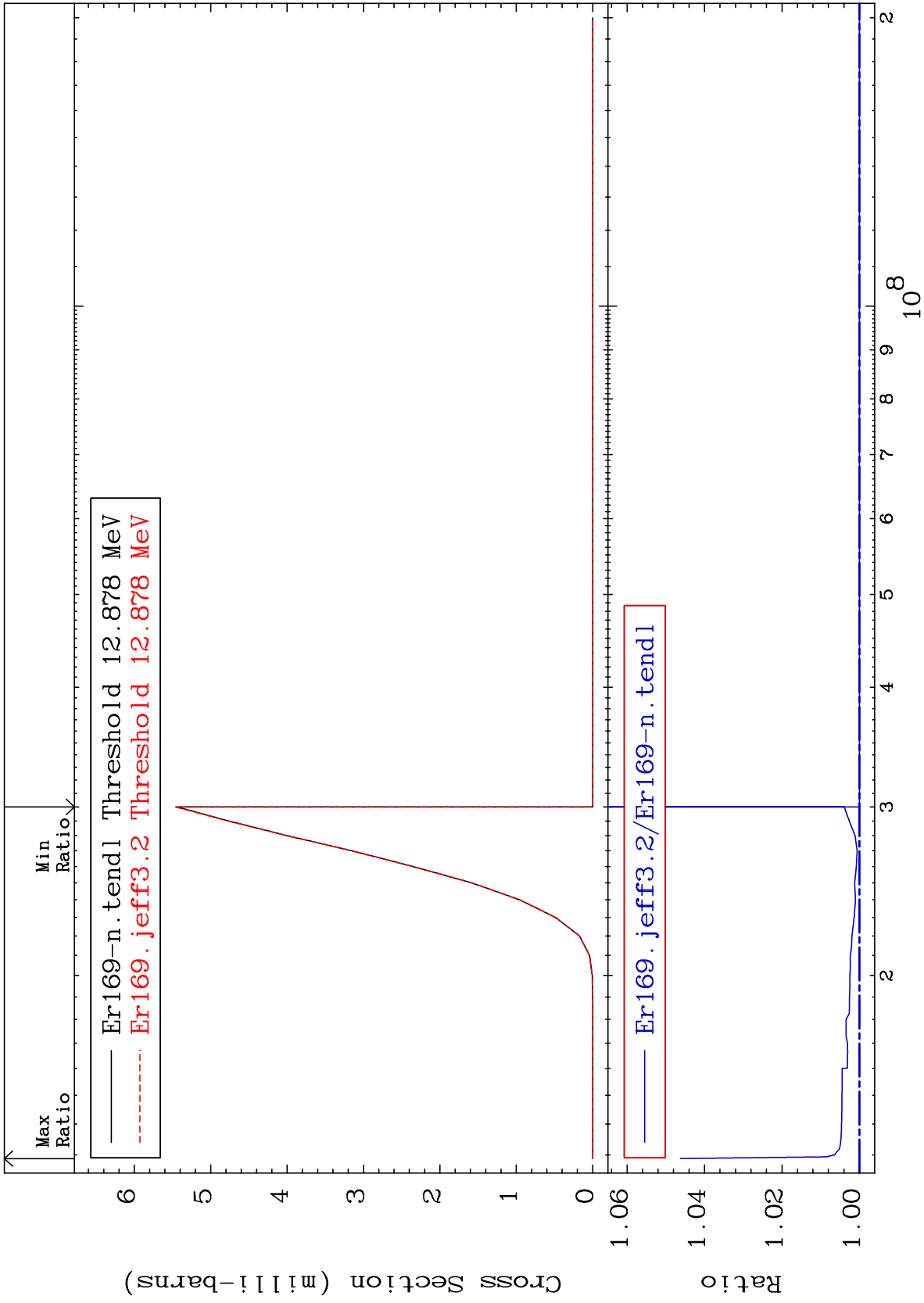
(n, n') t

68-Er-169

Cross Section

0.000

To 4.624 %





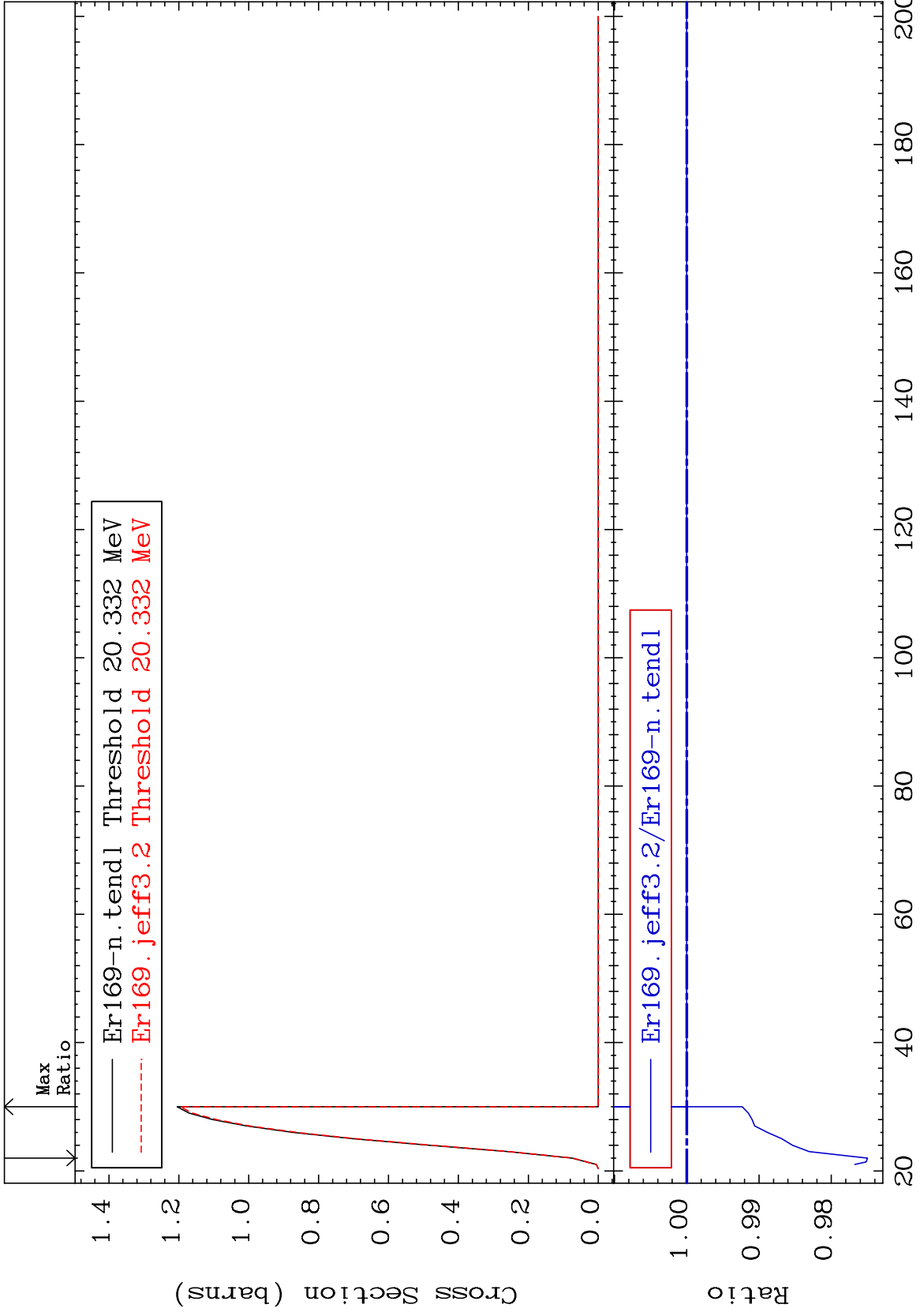
MAT 6846

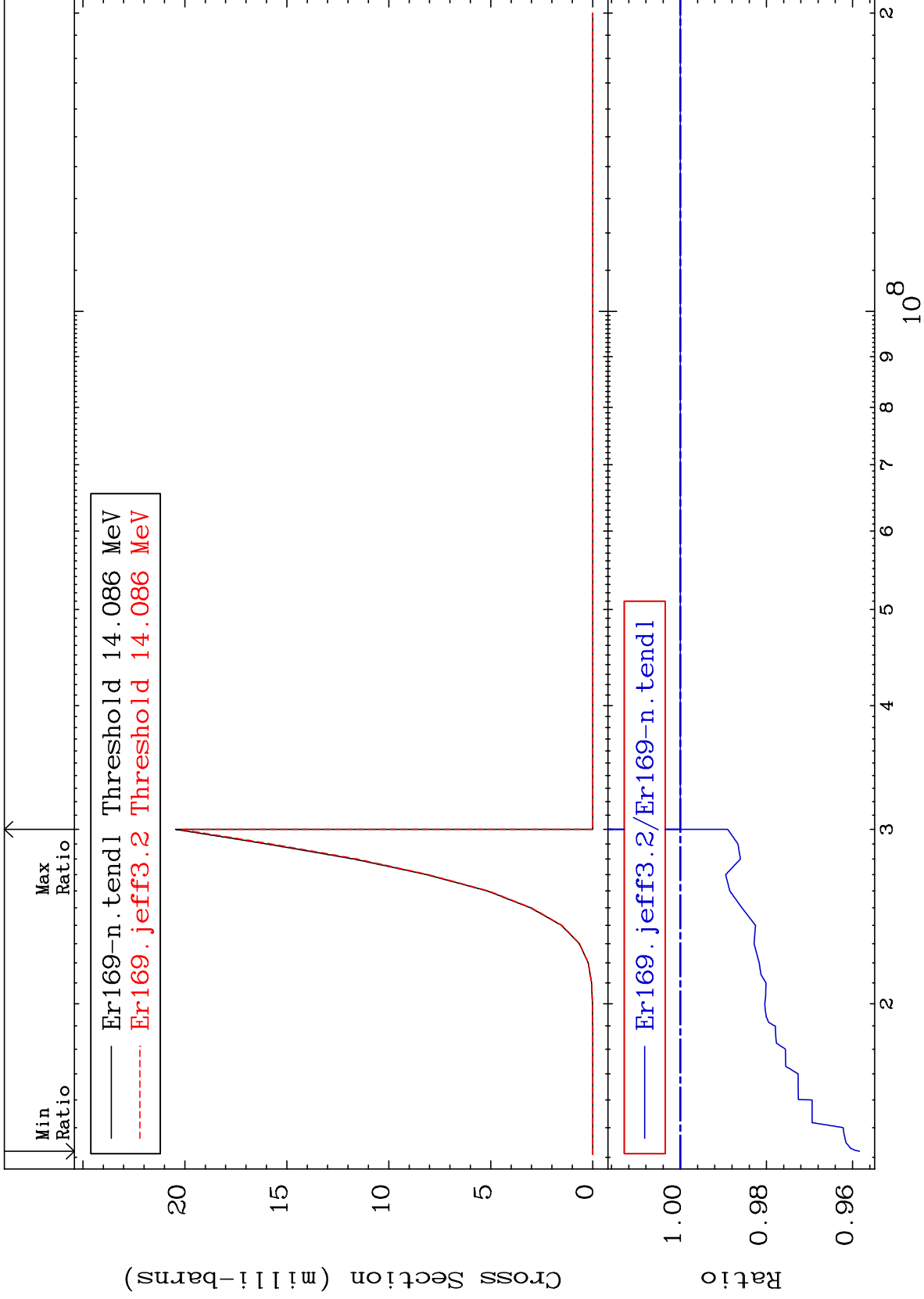
(n,4n)

68-Er-169

Cross Section

-2.499 To 0.000 %

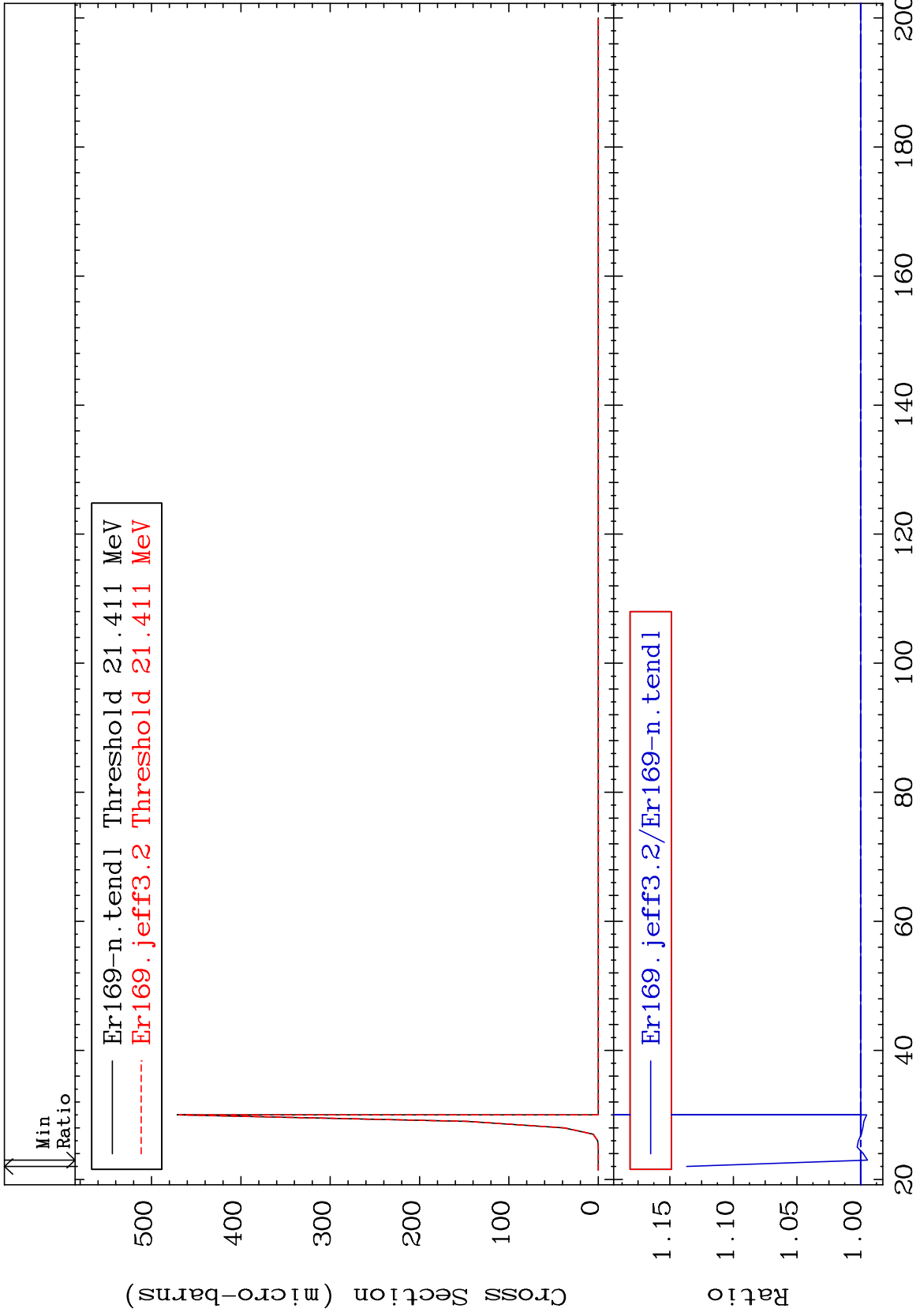




MAT 6846

(n,3n) p  
Cross Section

68-Er-169  
-0.533 To 13.67 %

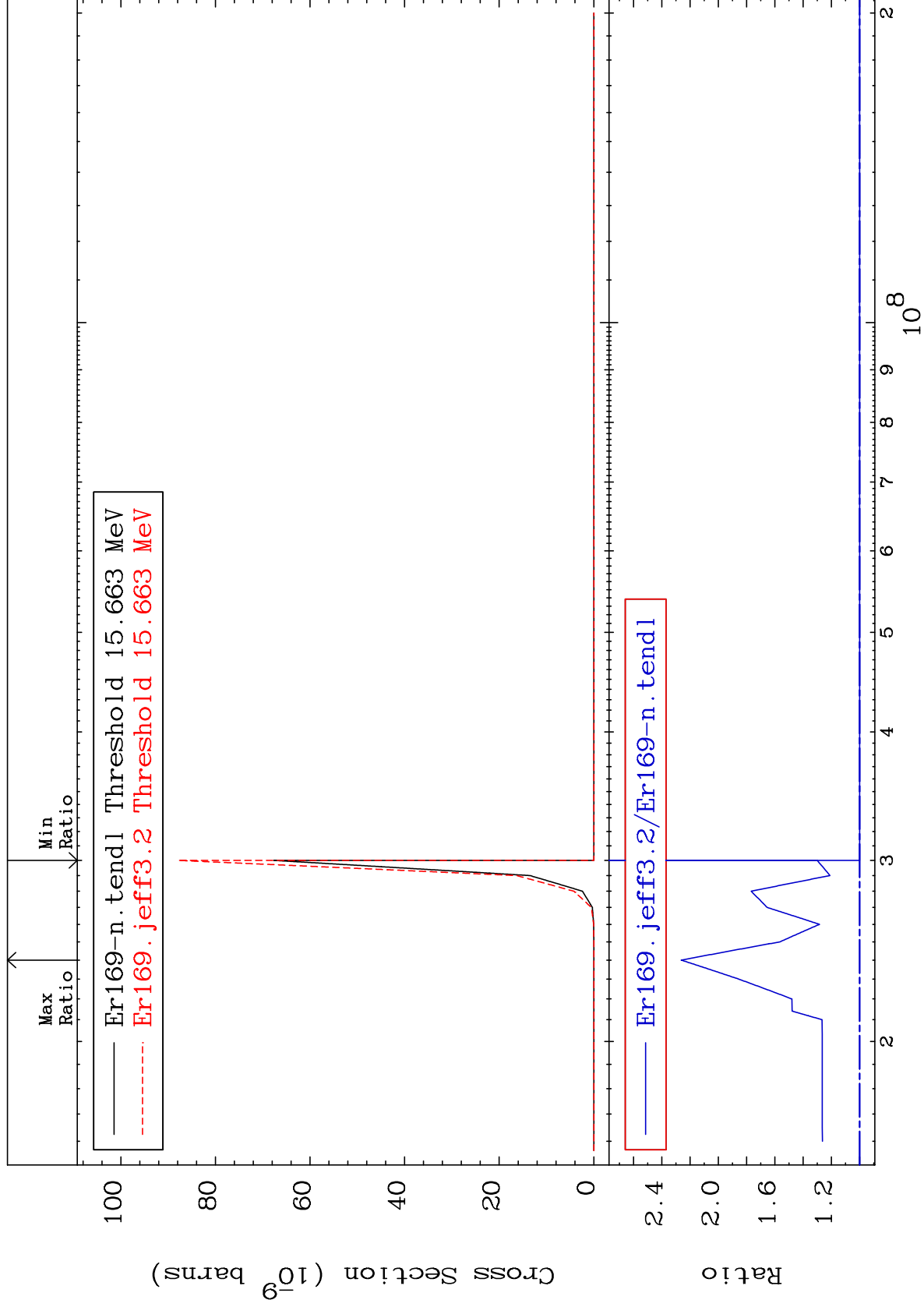


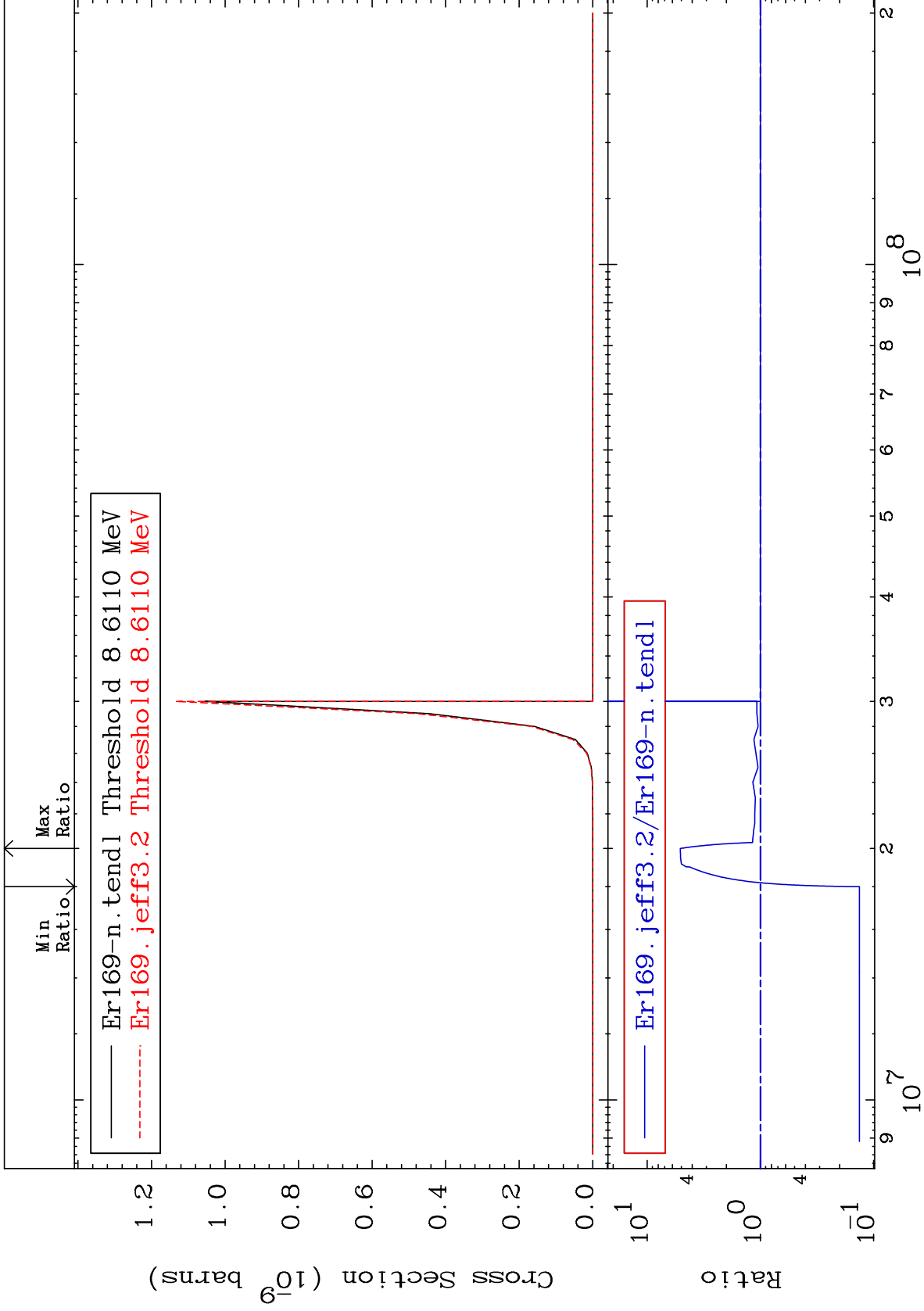


MAT 6846

(n,2n) p  
Cross Section

68-Er-169  
To 126.3 %

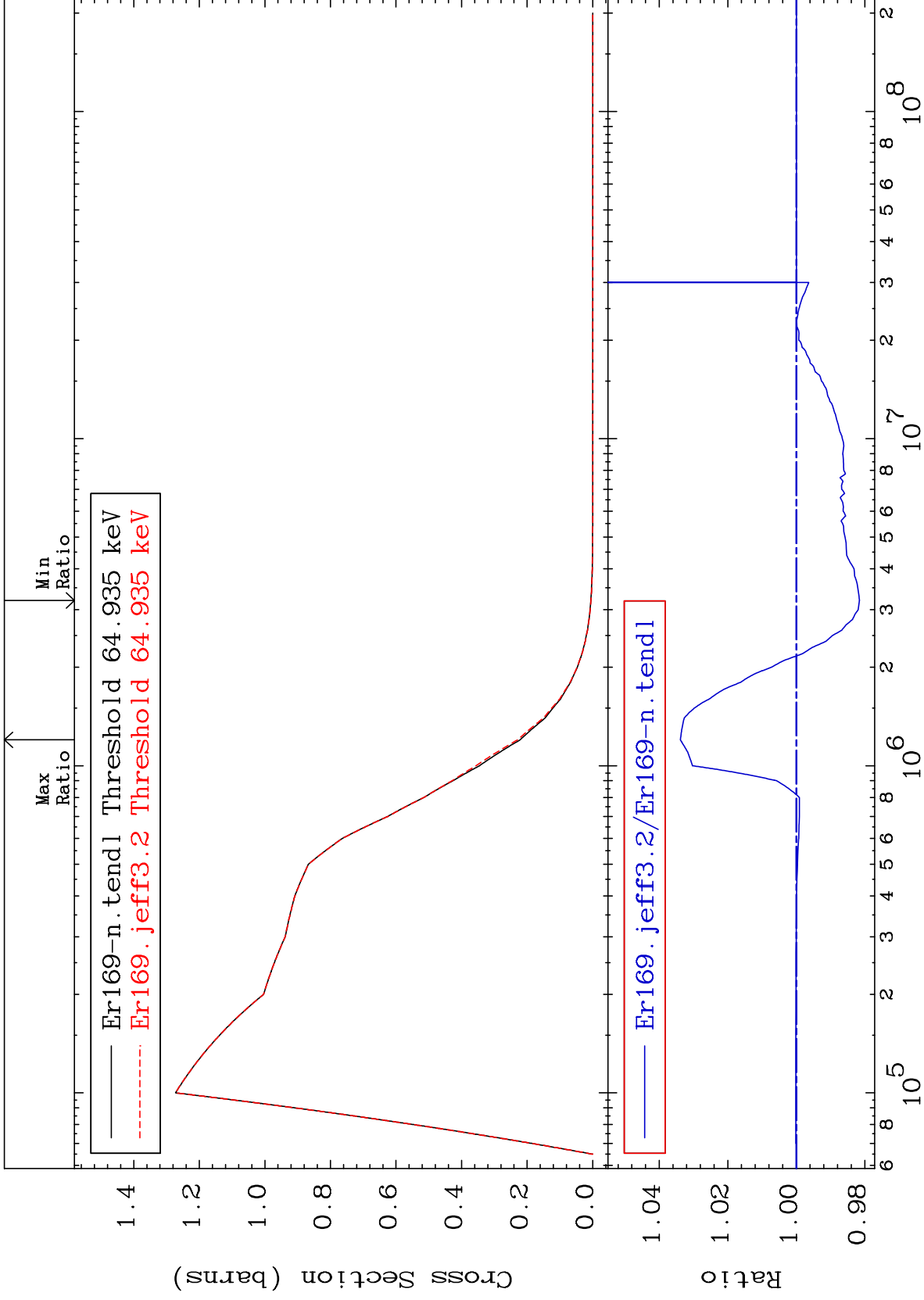




MAT 6846

64.55 keV (n,n') Level  
Cross Section

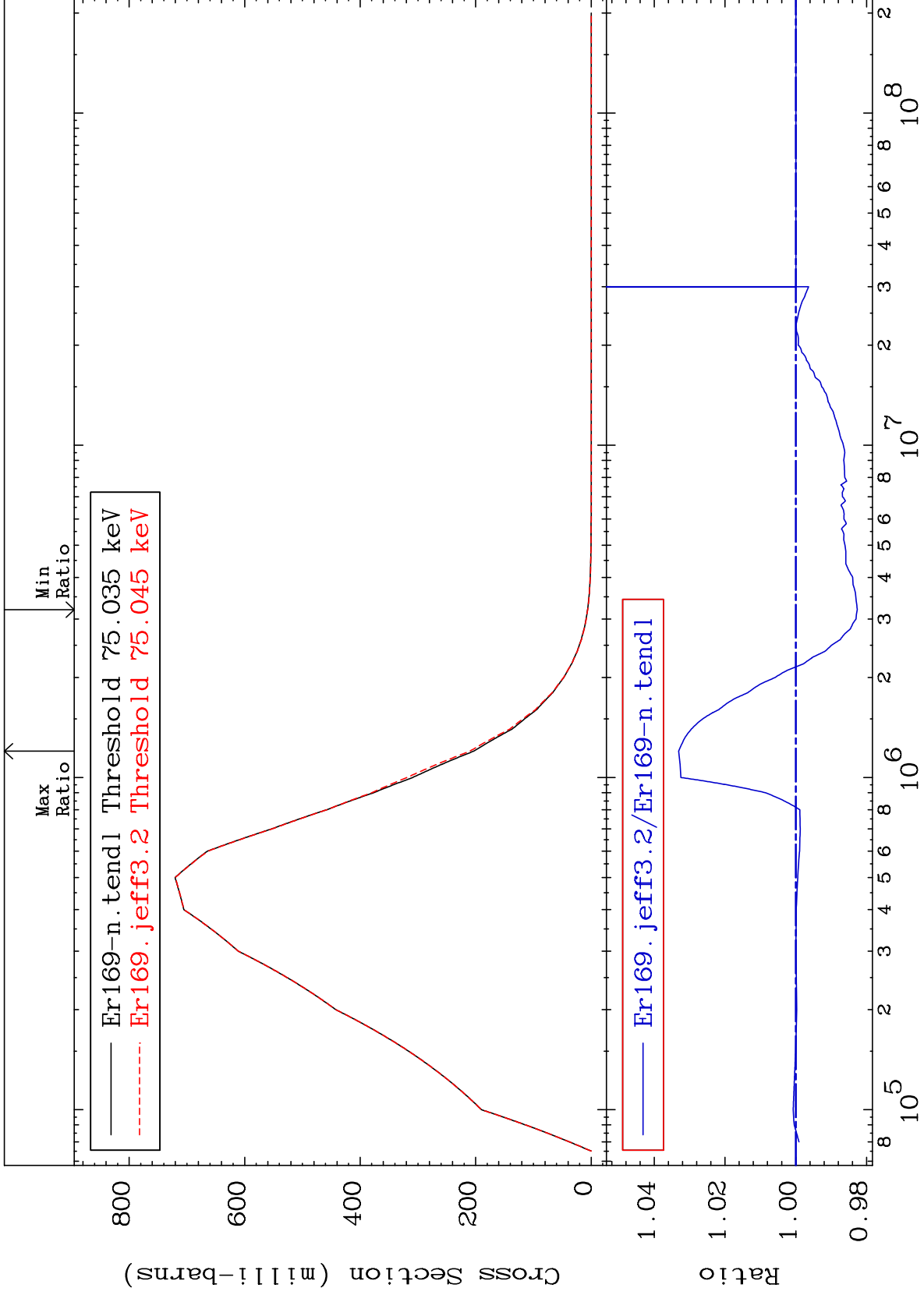
68-Er-169  
-1.840 To 3.384 %



MAT 6846

74.59 keV (n,n') Level  
Cross Section

68-Er-169  
-1.737 To 3.312 %



20

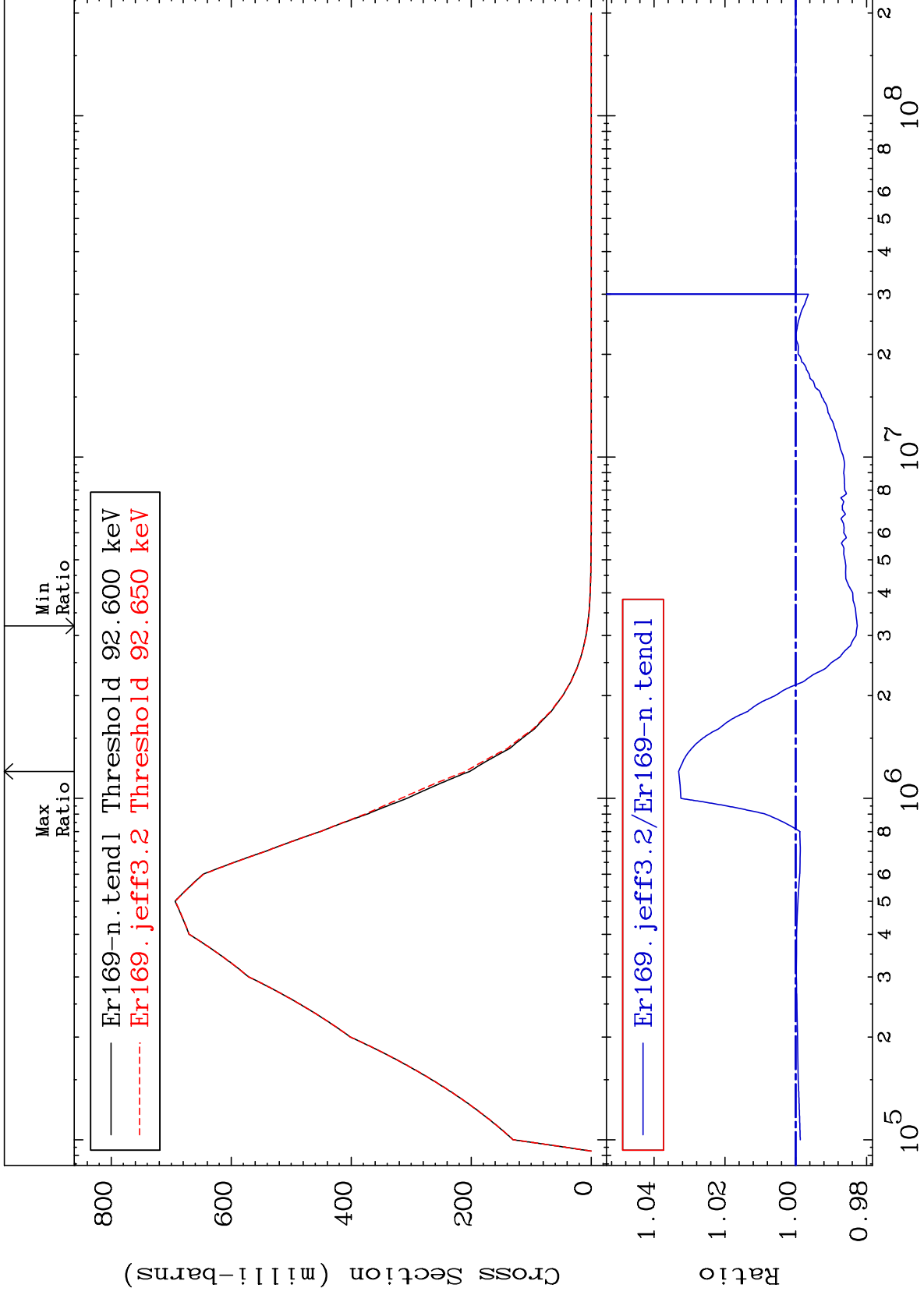
Incident Energy (eV)

68-Er-169

MAT 6846

92.05 keV (n,n') Level  
Cross Section

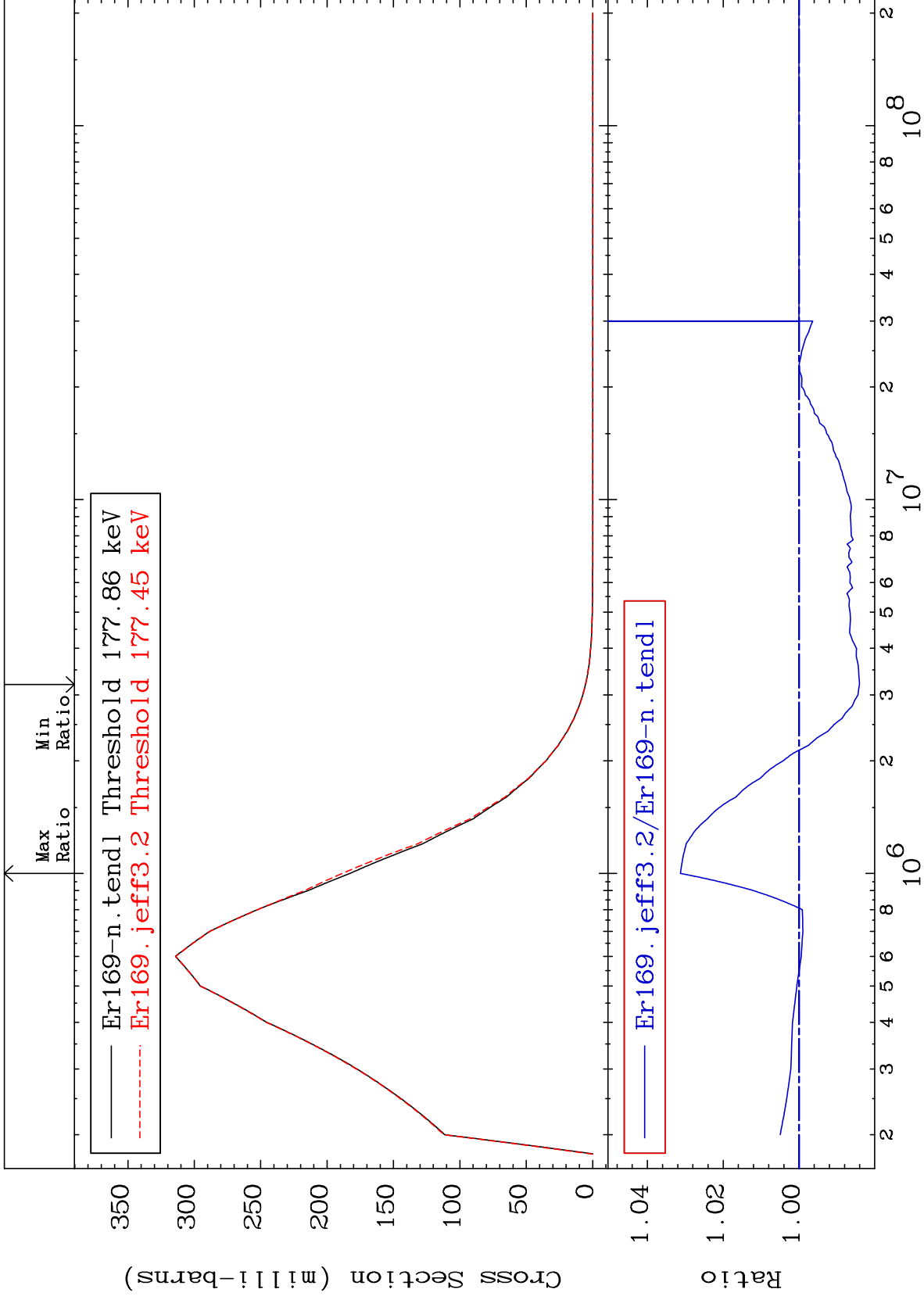
68-Er-169  
-1.738 To 3.308 %

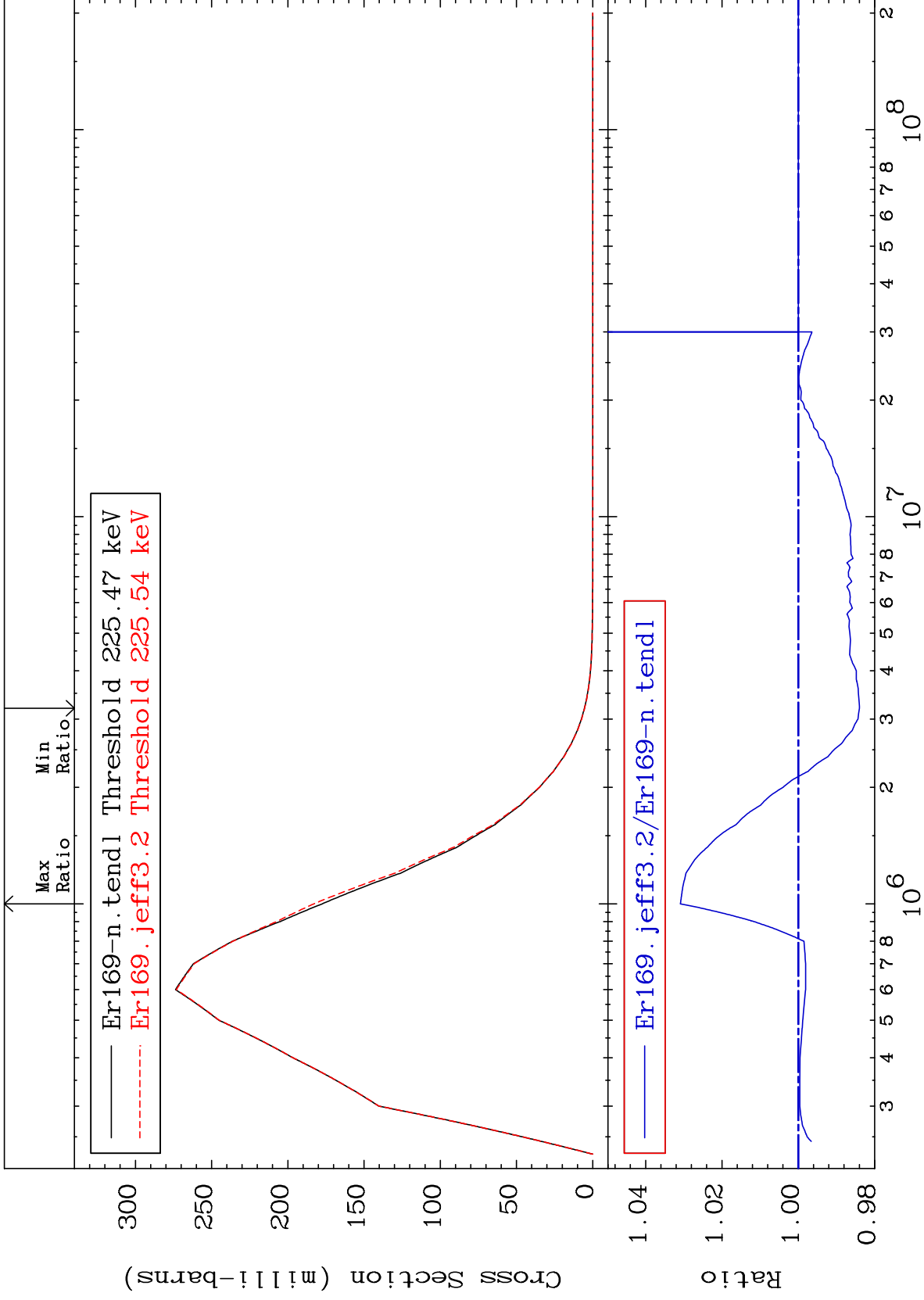


21

Incident Energy (eV)

68-Er-169

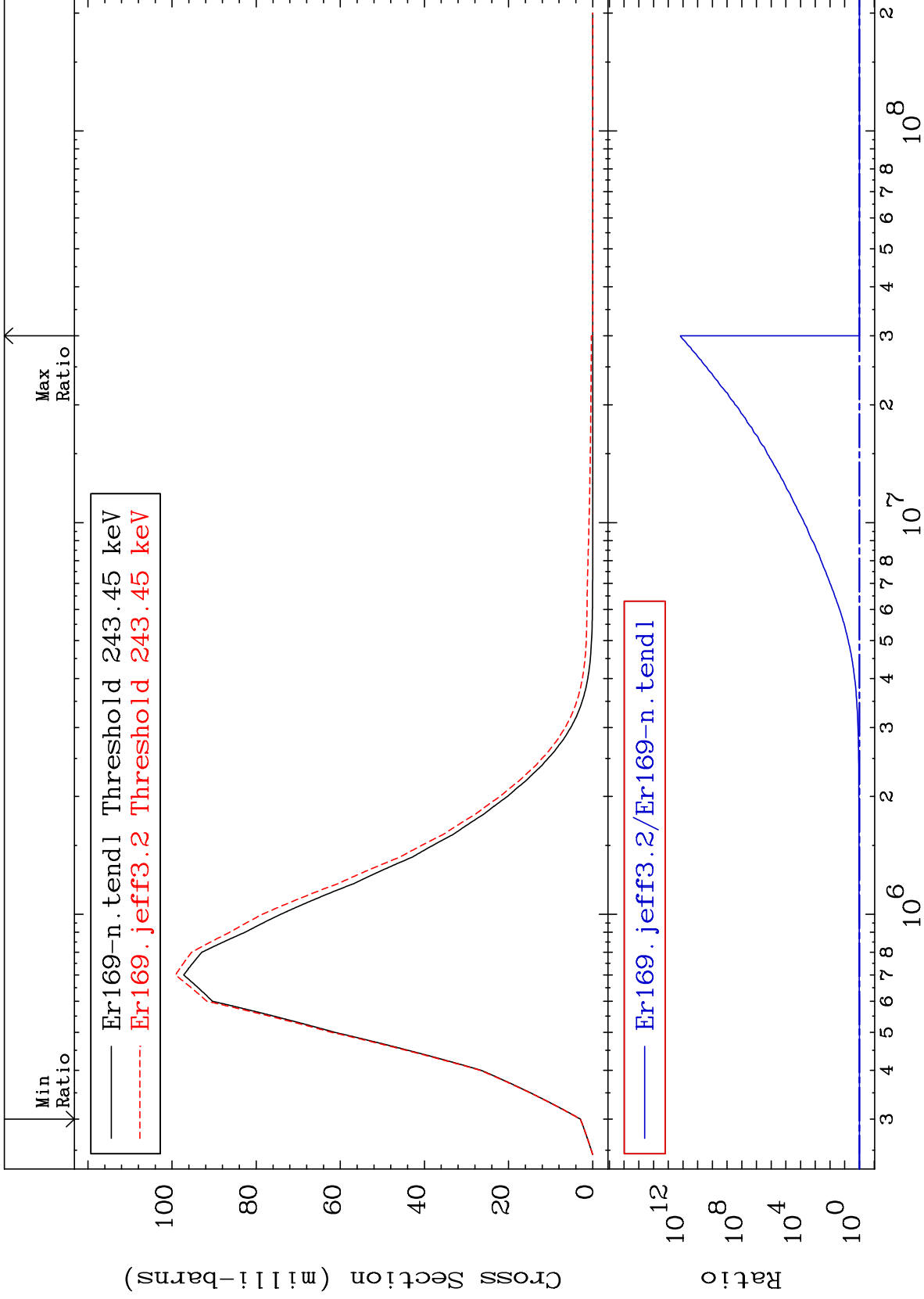




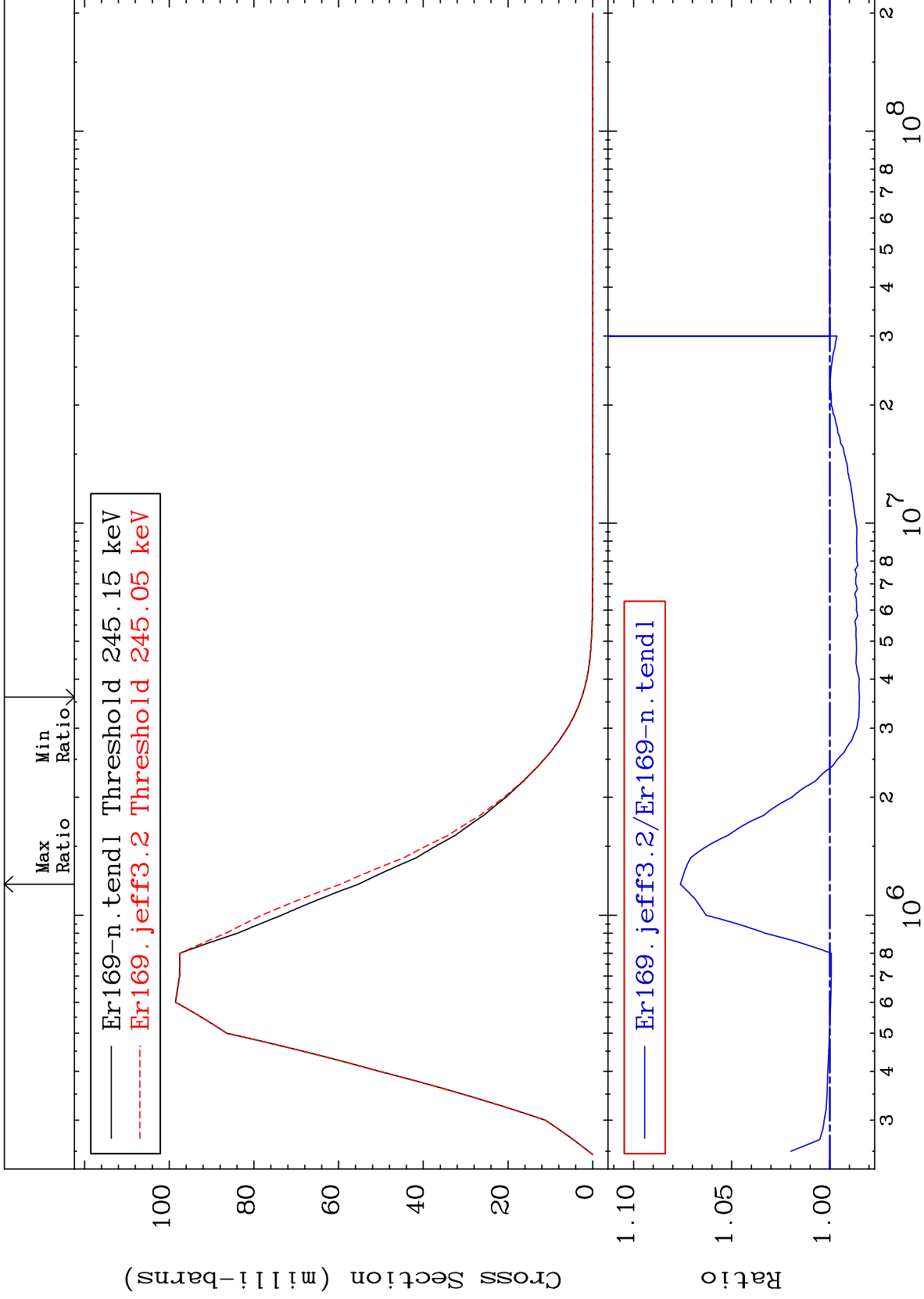
MAT 6846

242.0 keV (n,n') Level  
Cross Section

68-Er-169  
-0.013 To 9999. %



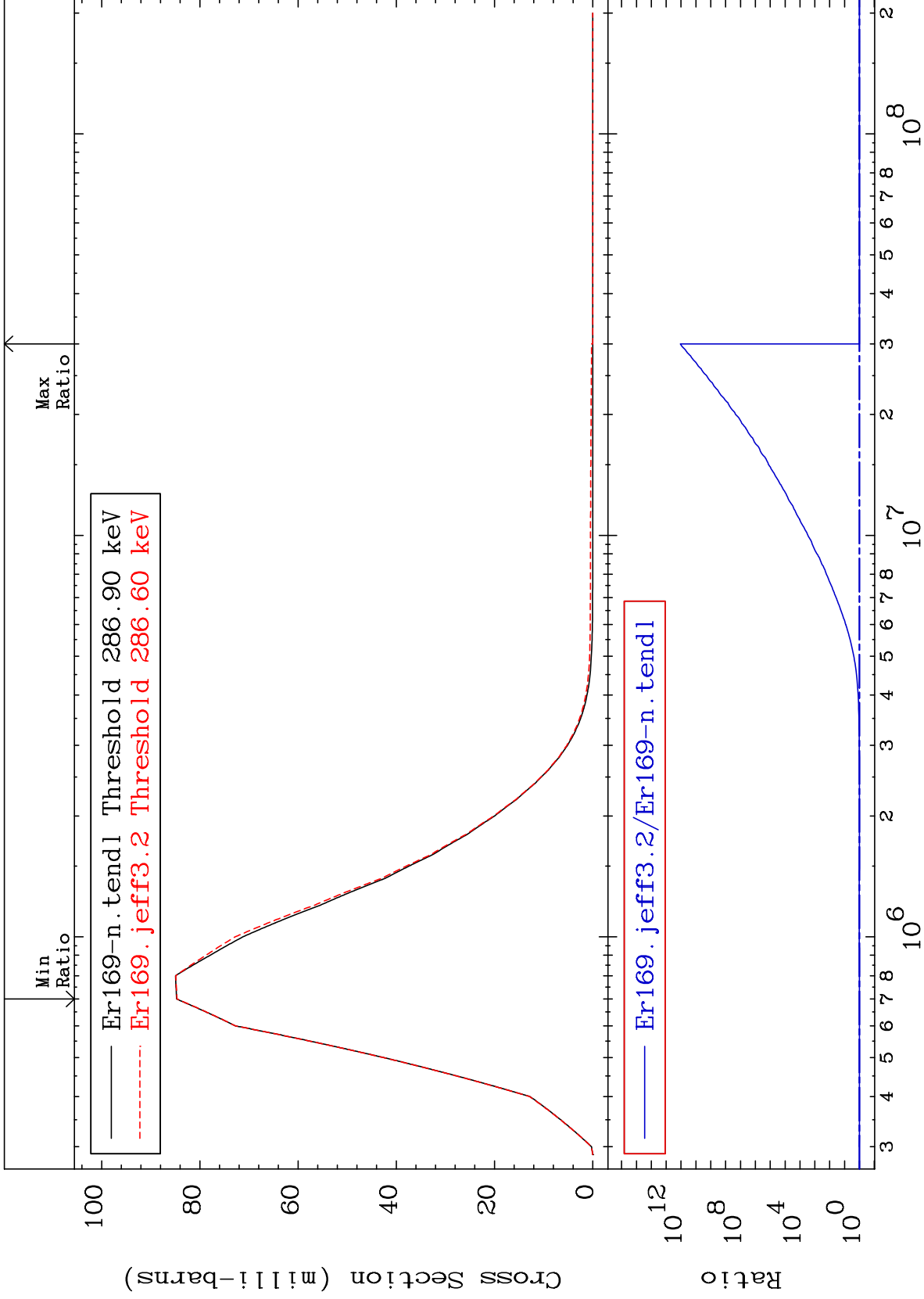




MAT 6846

285.2 keV (n,n') Level  
Cross Section

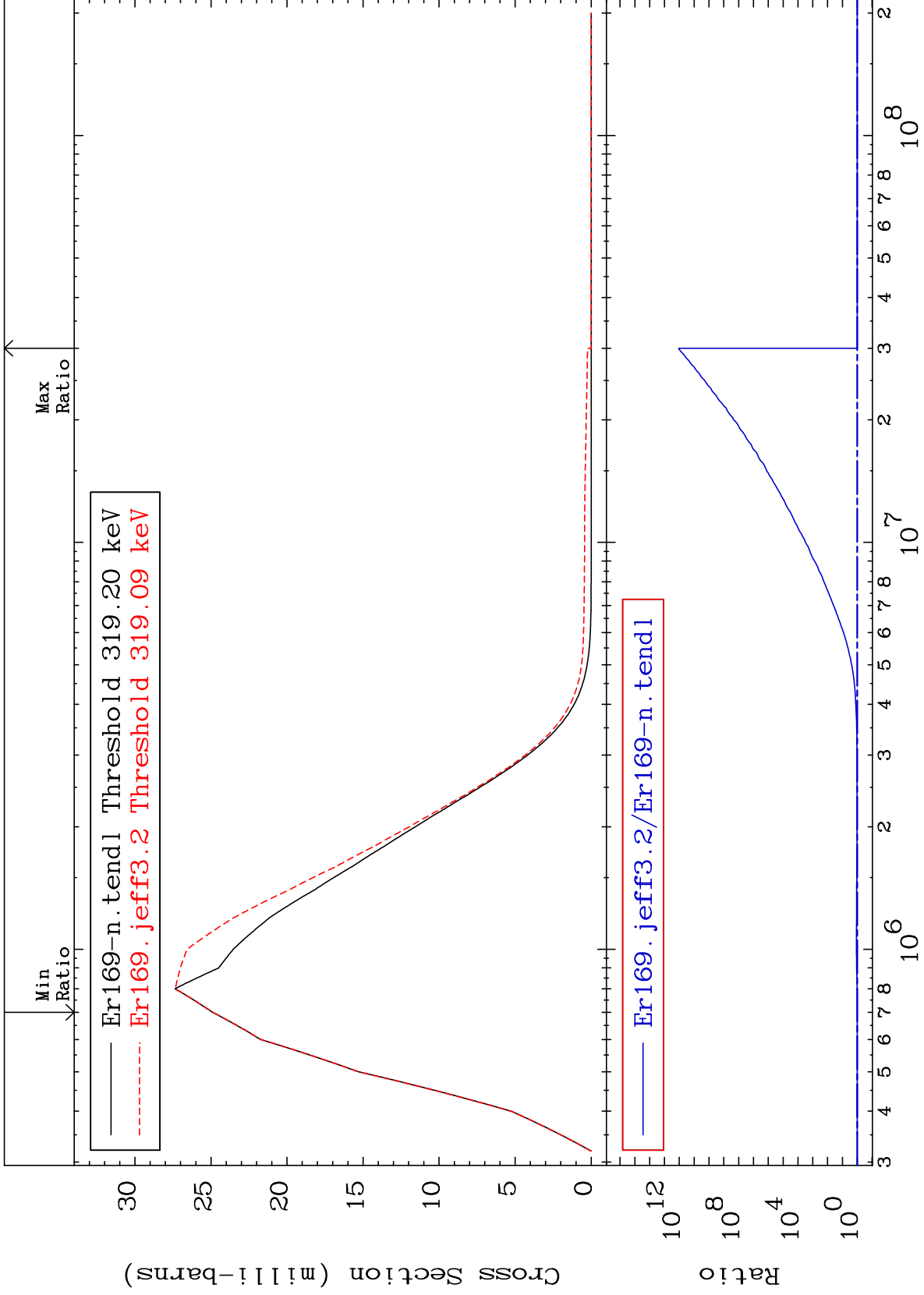
68-Er-169  
-0.088 To 9999. %



MAT 6846

317.3 keV (n,n') Level  
Cross Section

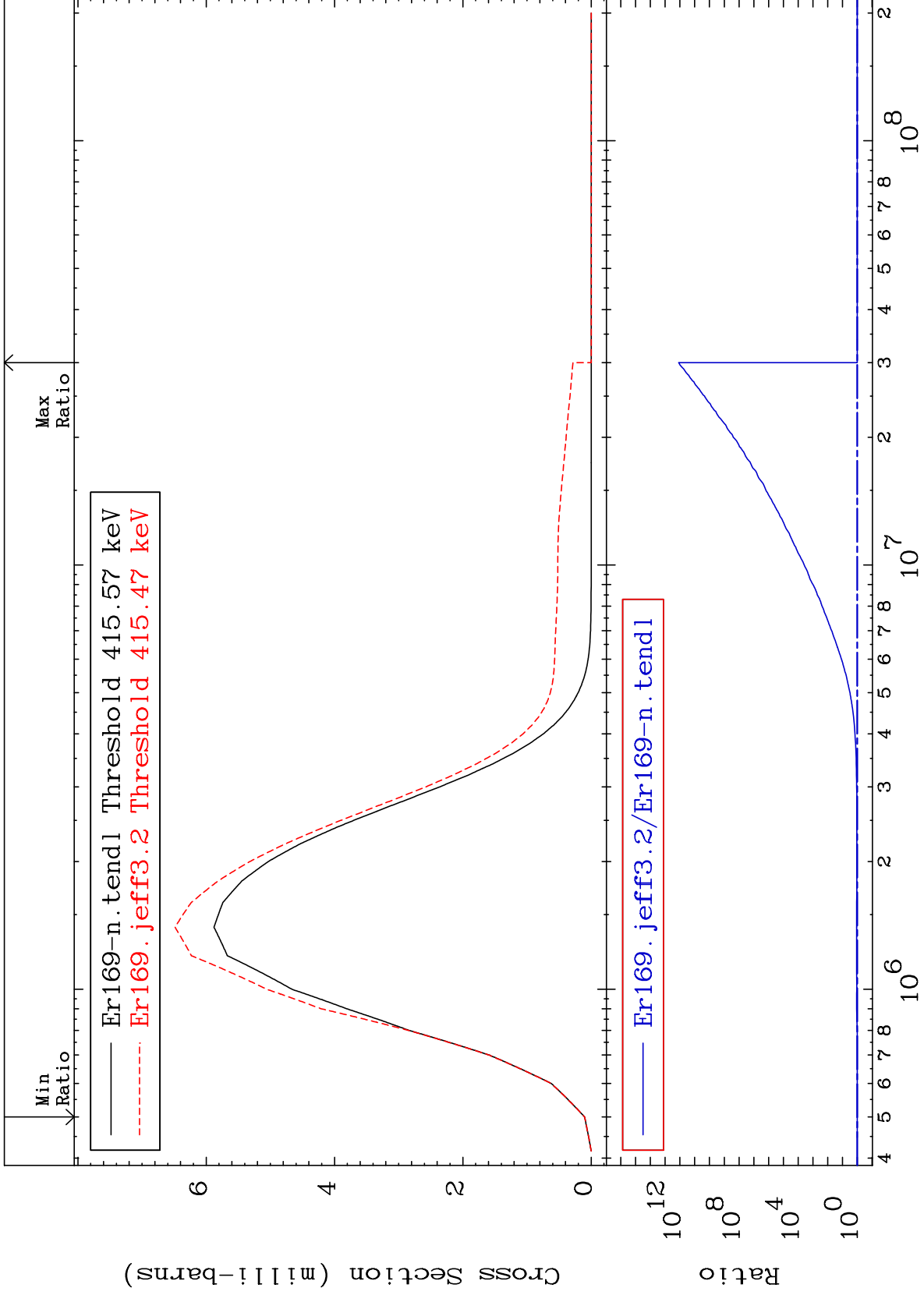
68-Er-169  
-0.079 To 9999. %



MAT 6846

413.1 keV (n,n') Level  
Cross Section

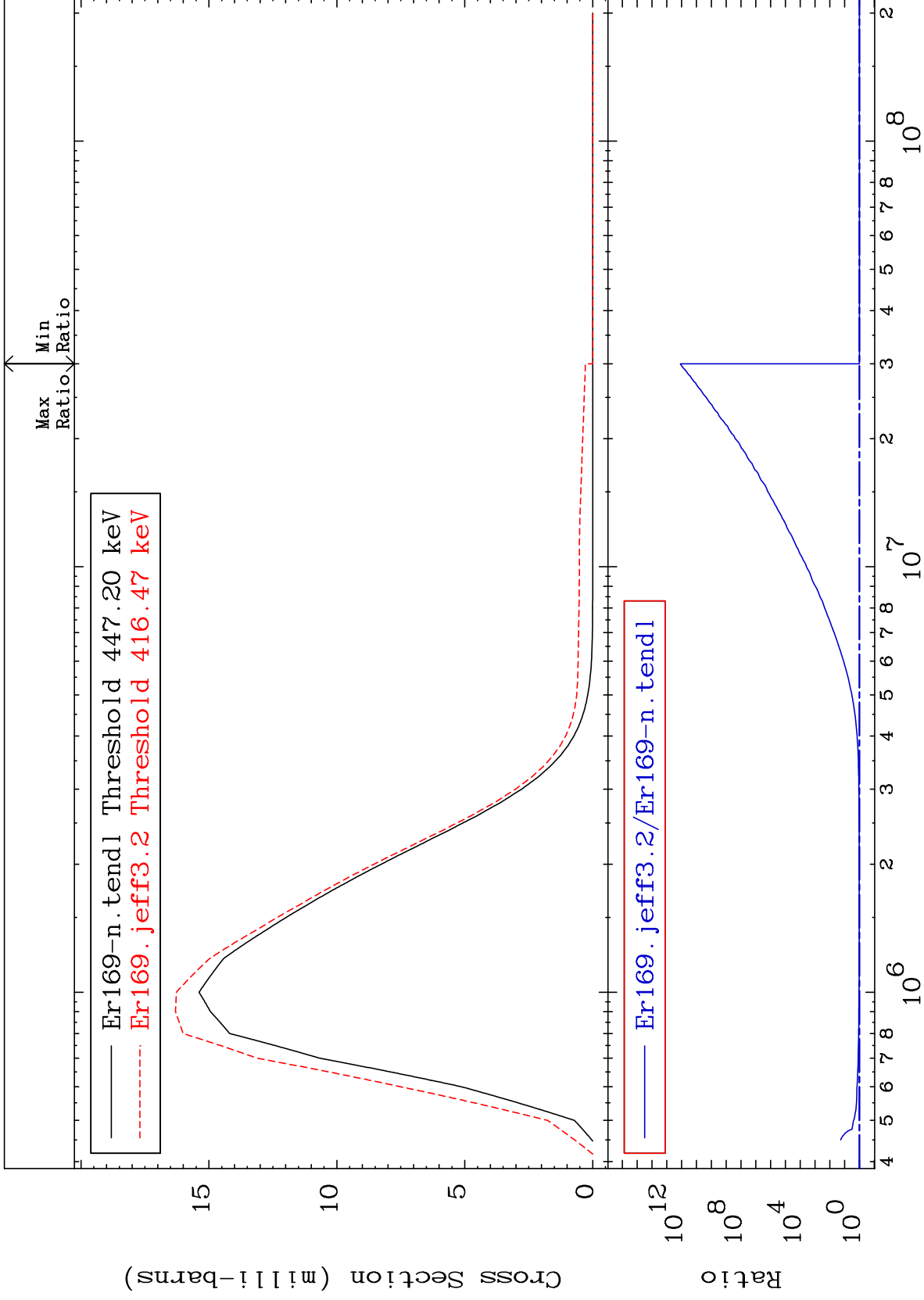
68-Er-169  
-0.079 To 9999. %



MAT 6846

444.6 keV (n,n') Level  
Cross Section

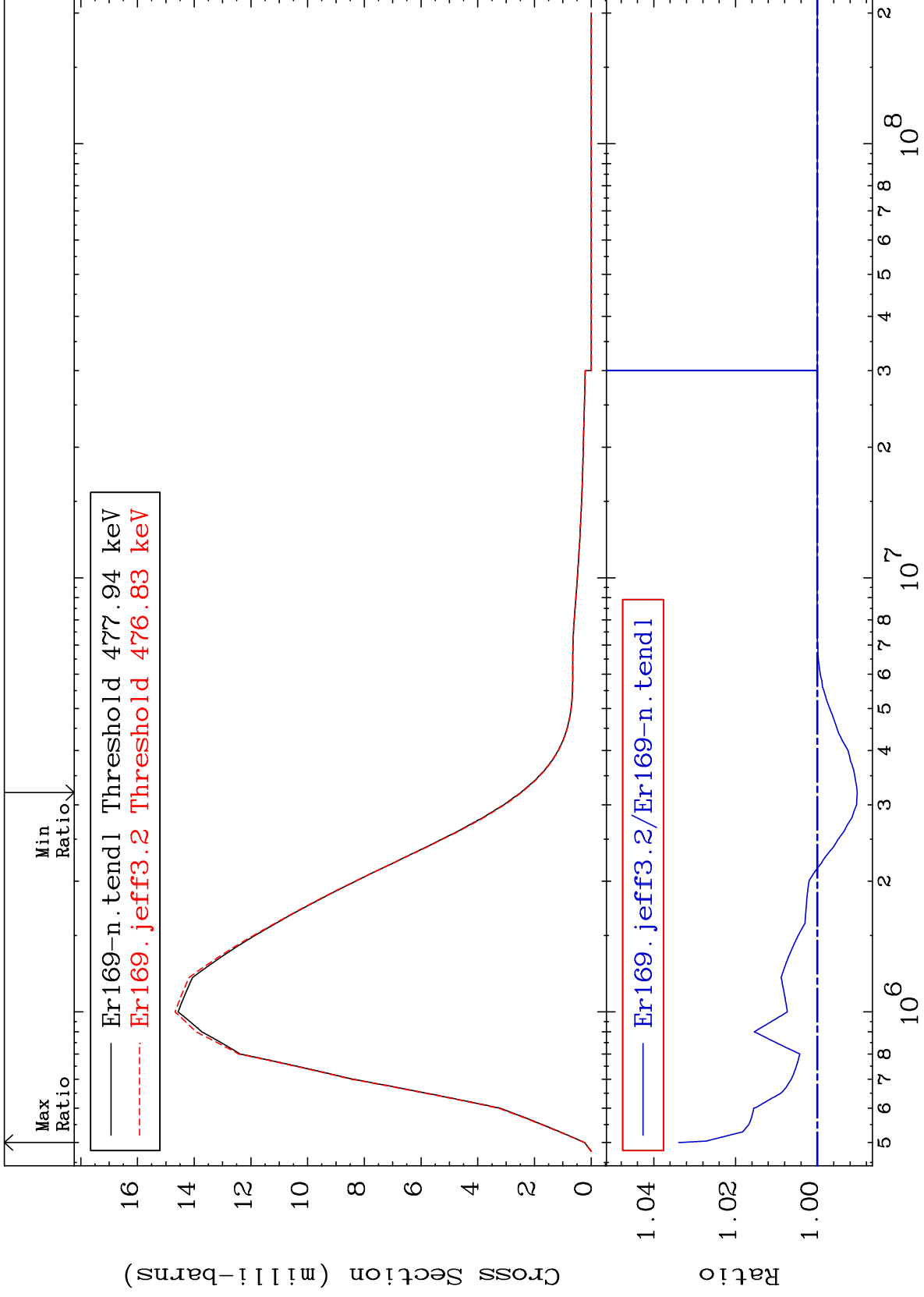
68-Er-169  
To 9999. %  
0.000



MAT 6846

475.1 keV (n,n') Level  
Cross Section

68-Er-169  
-0.975 To 3.393 %



— Er169.jeff3.2/Er169-n.tendl

Ratio

30

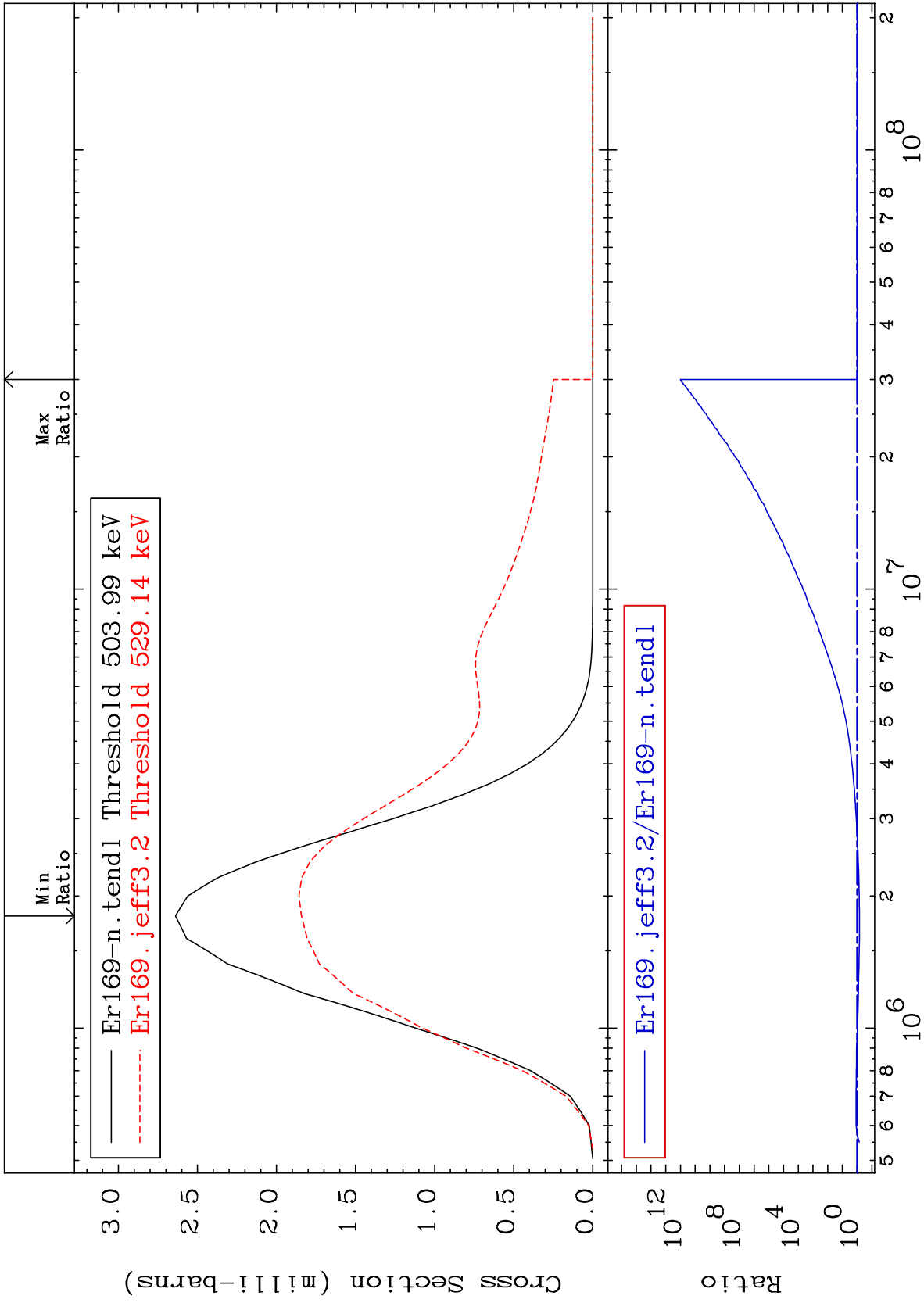
Incident Energy (eV)

68-Er-169

MAT 6846

501.0 keV (n,n') Level  
Cross Section

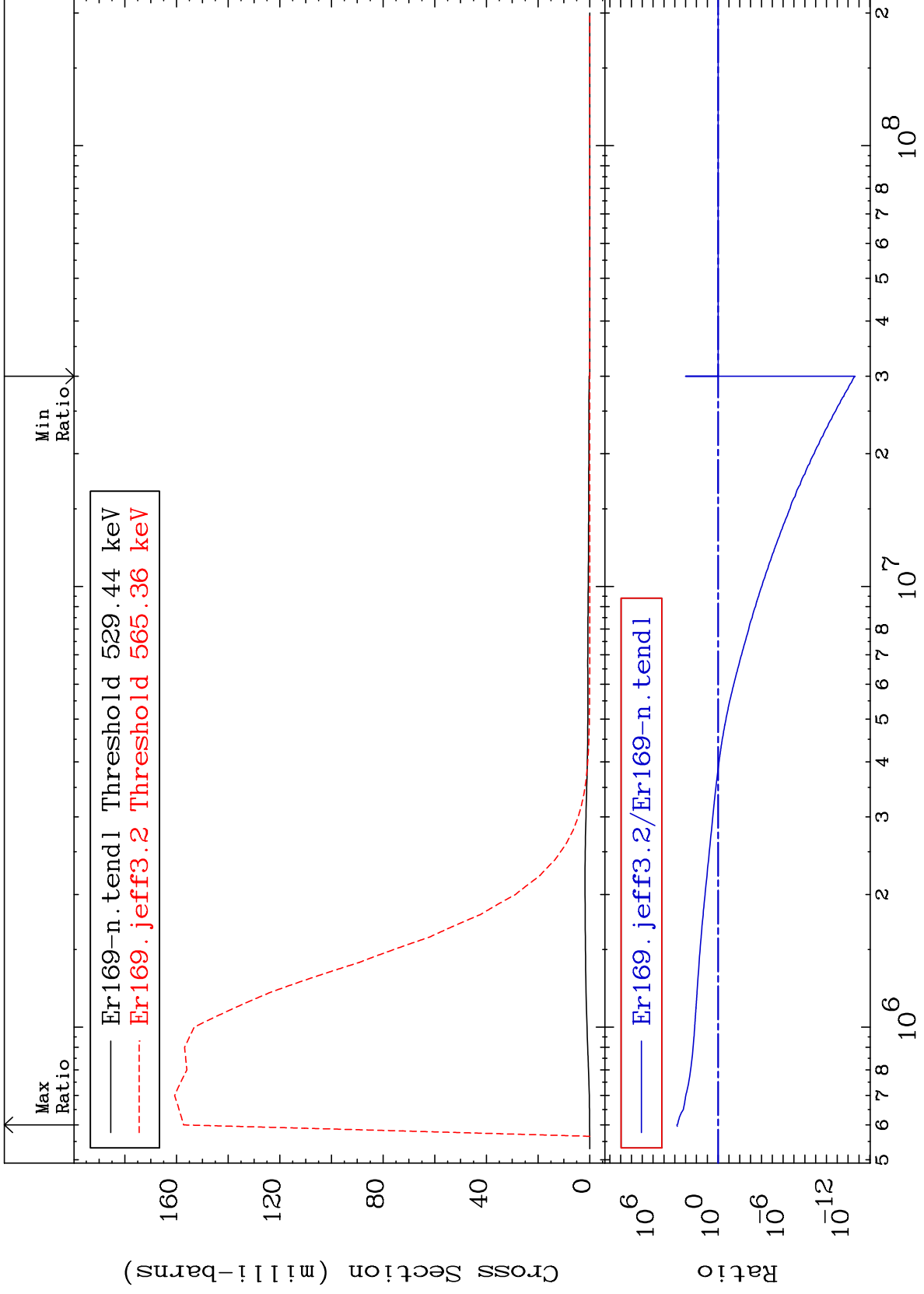
68-Er-169  
-30.18 To 9999. %



MAT 6846

526.3 keV (n,n') Level  
Cross Section

68-Er-169  
-100.0 To 9999. %

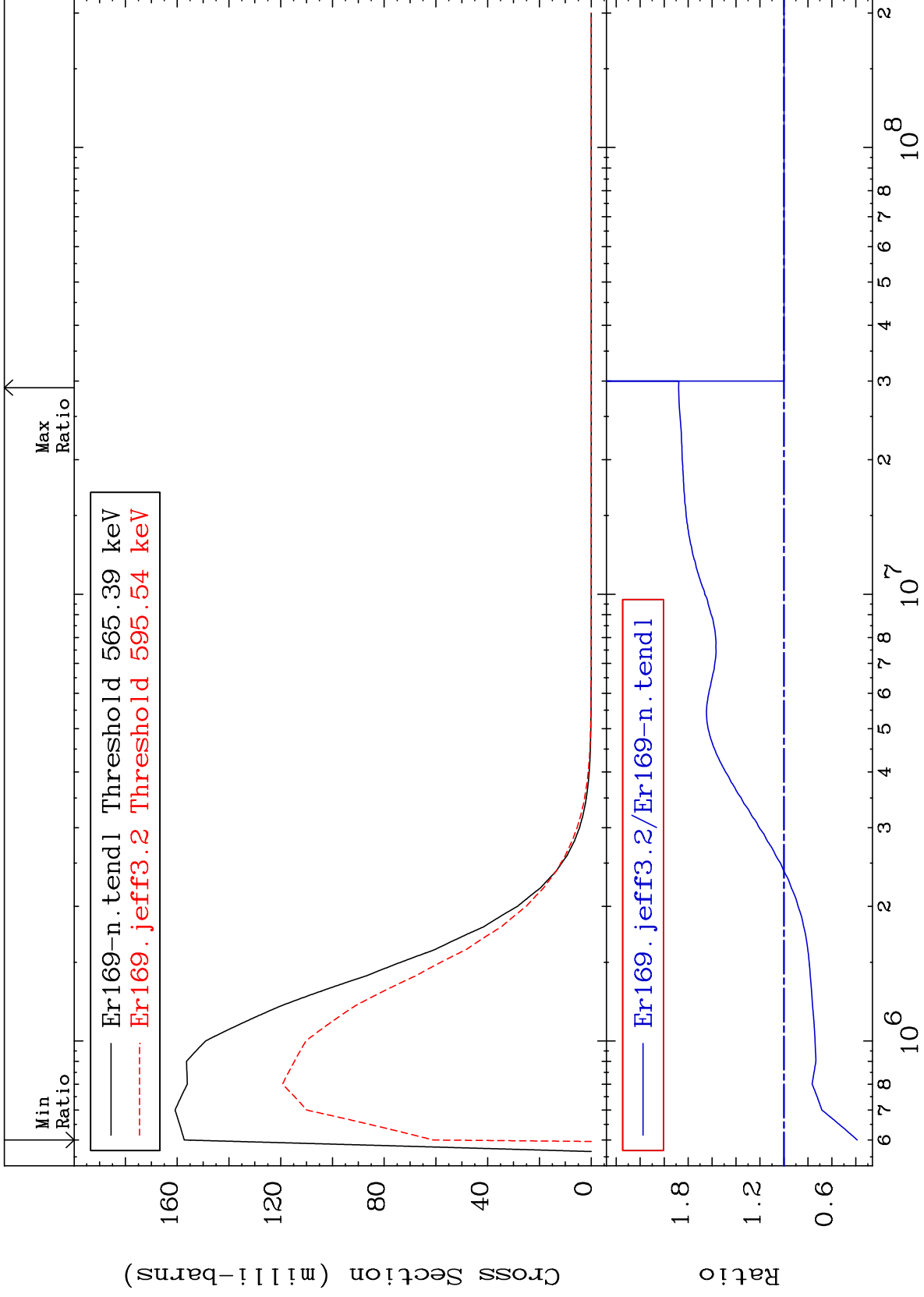




MAT 6846

562.0 keV (n,n') Level  
Cross Section

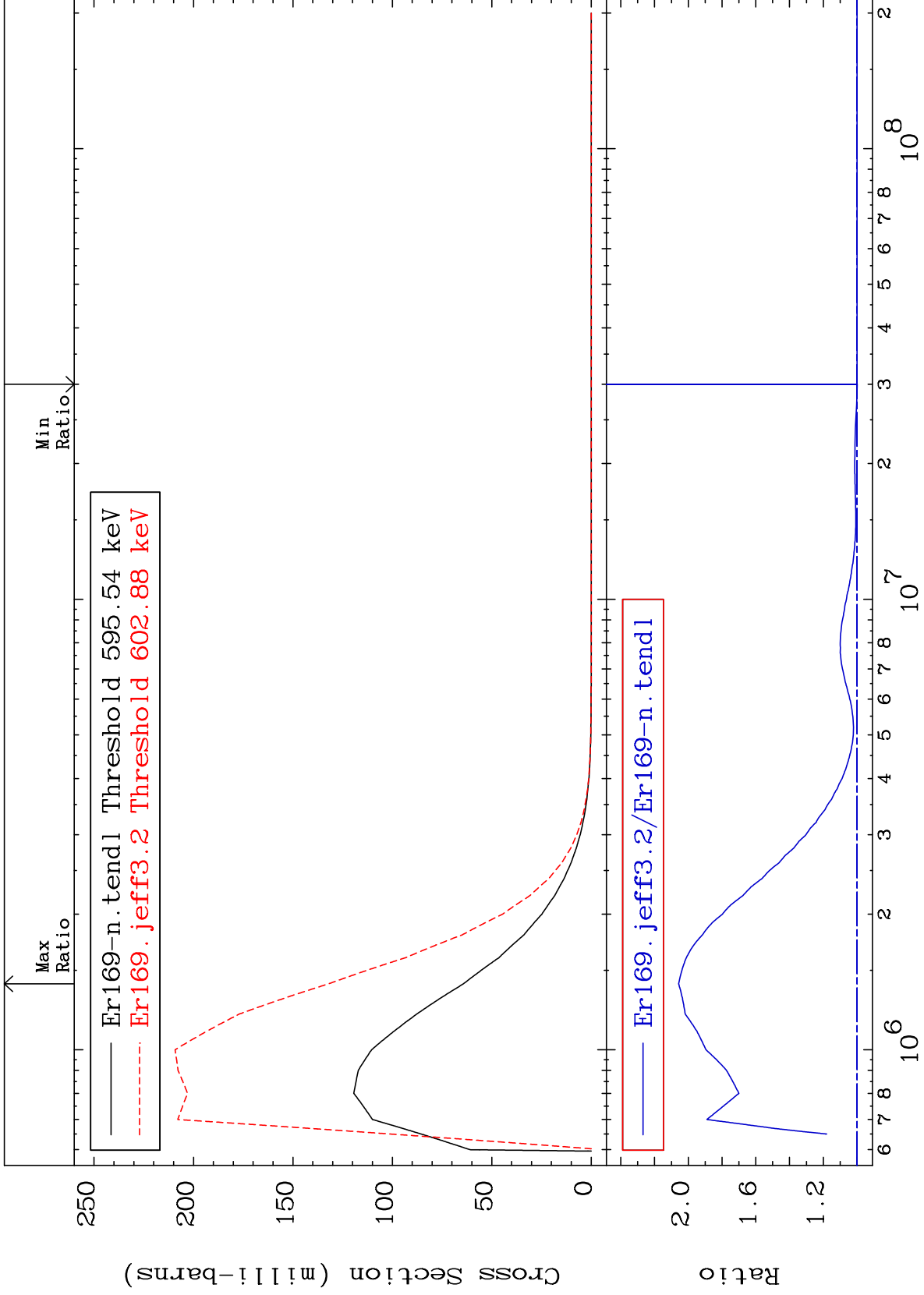
68-Er-169  
-61.19 To 87.90 %



MAT 6846

592.0 keV (n,n') Level  
Cross Section

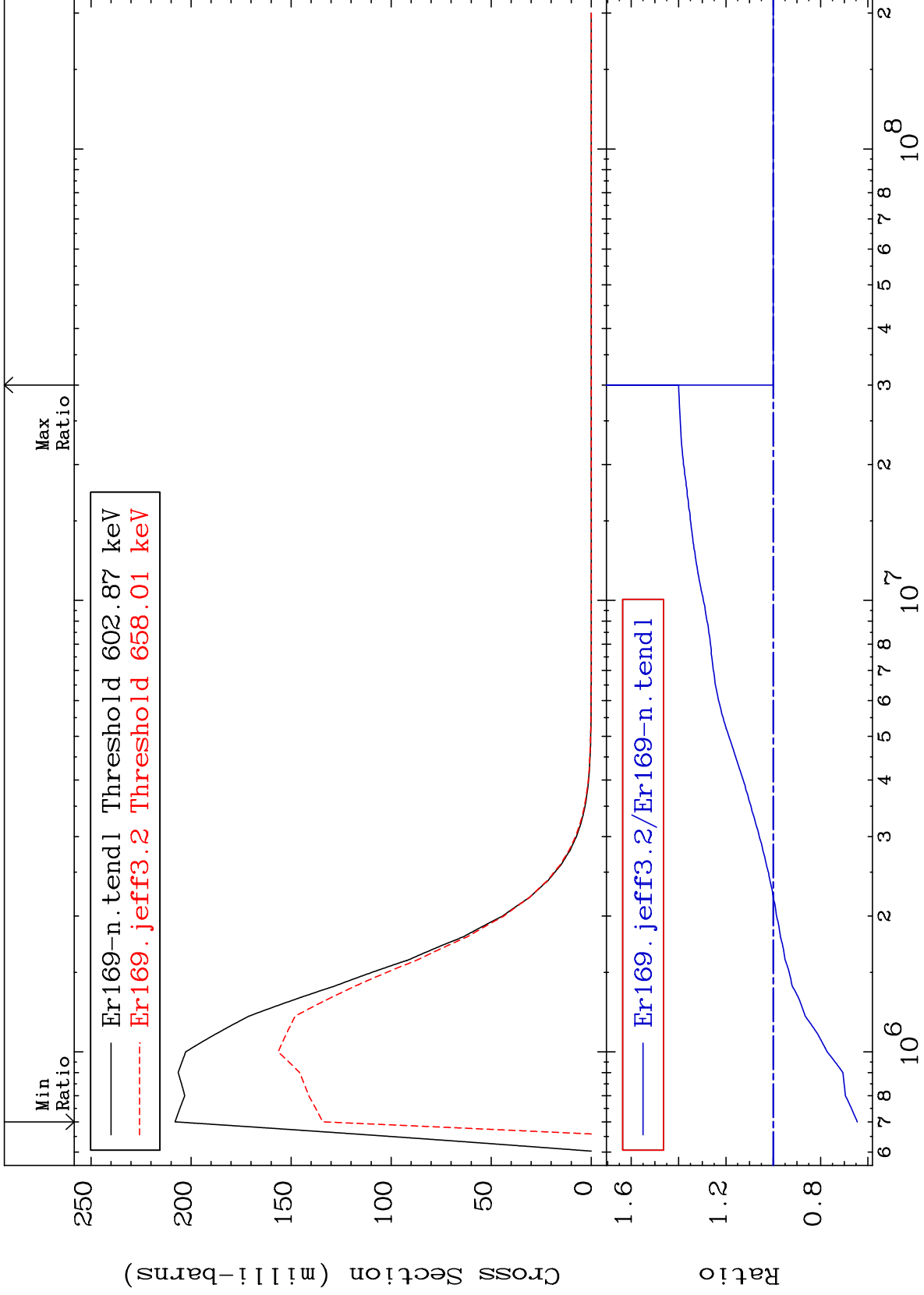
68-Er-169  
-0.126 To 105.7 %



MAT 6846

599.3 keV (n,n') Level  
Cross Section

68-Er-169  
-35.49 To 39.97 %



35

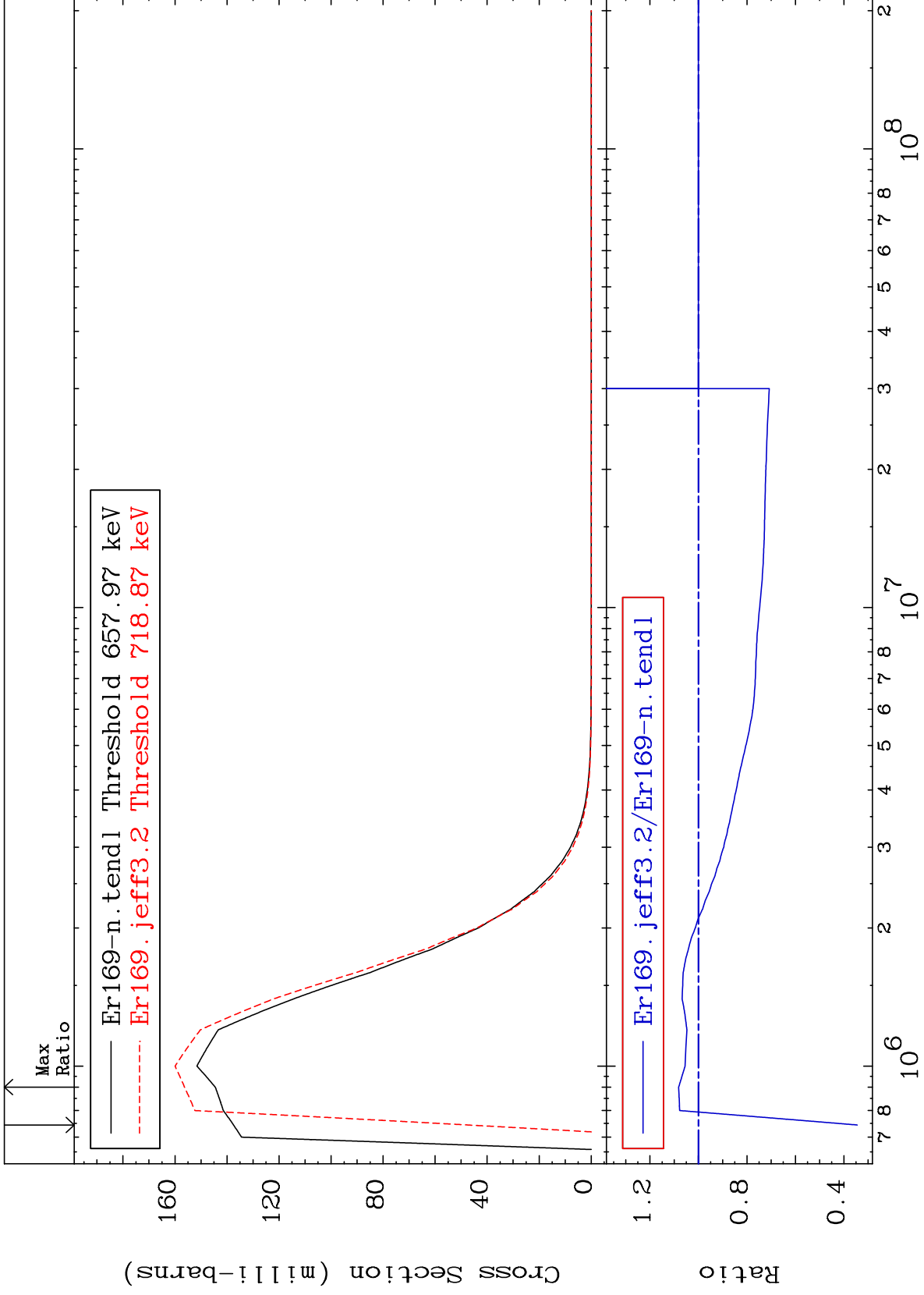
Incident Energy (eV)

68-Er-169

MAT 6846

654.1 keV (n,n') Level  
Cross Section

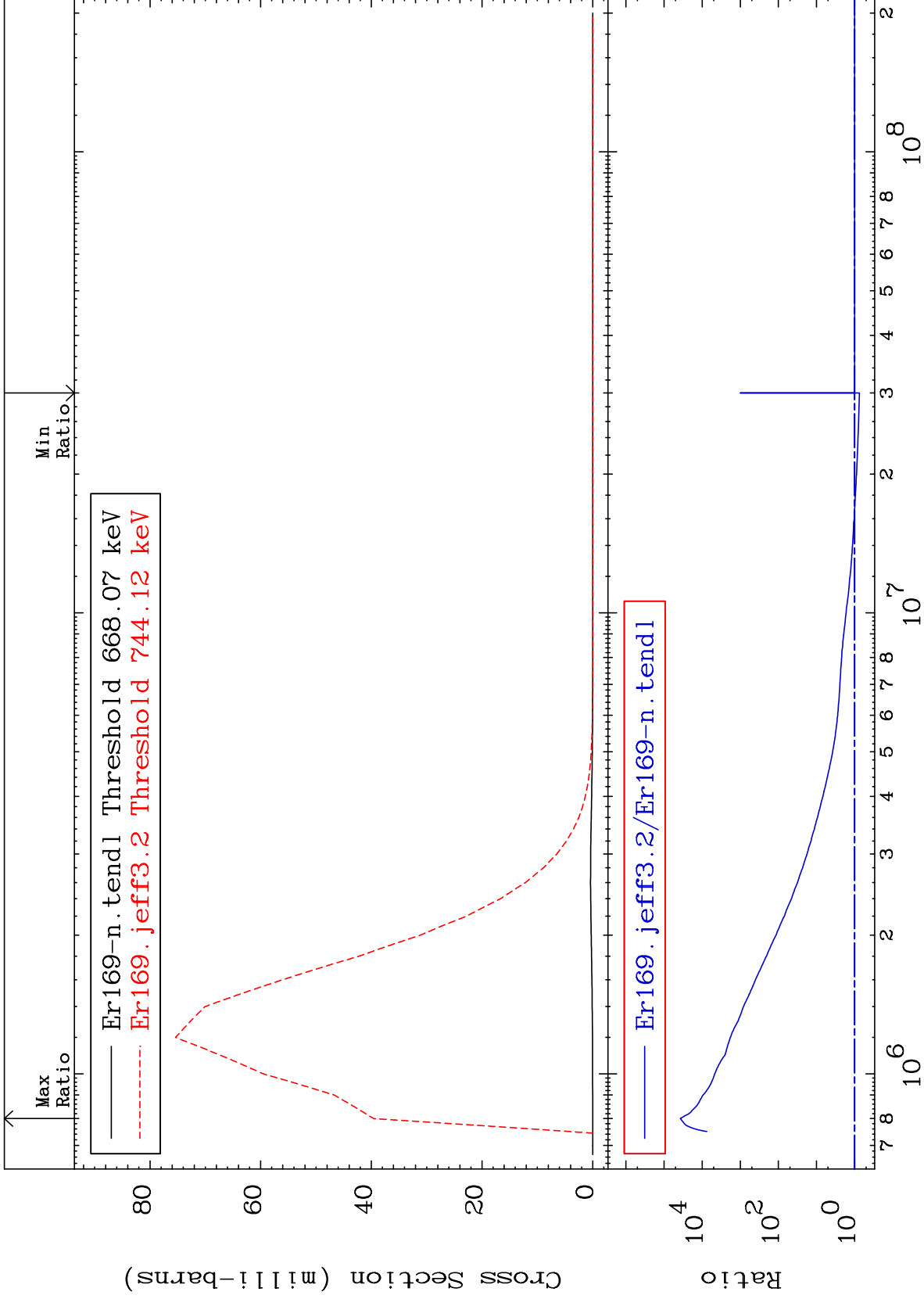
68-Er-169  
-65.51 To 8.176 %



MAT 6846

664.1 keV (n,n') Level  
Cross Section

68-Er-169  
-24.99 To 9999. %



37

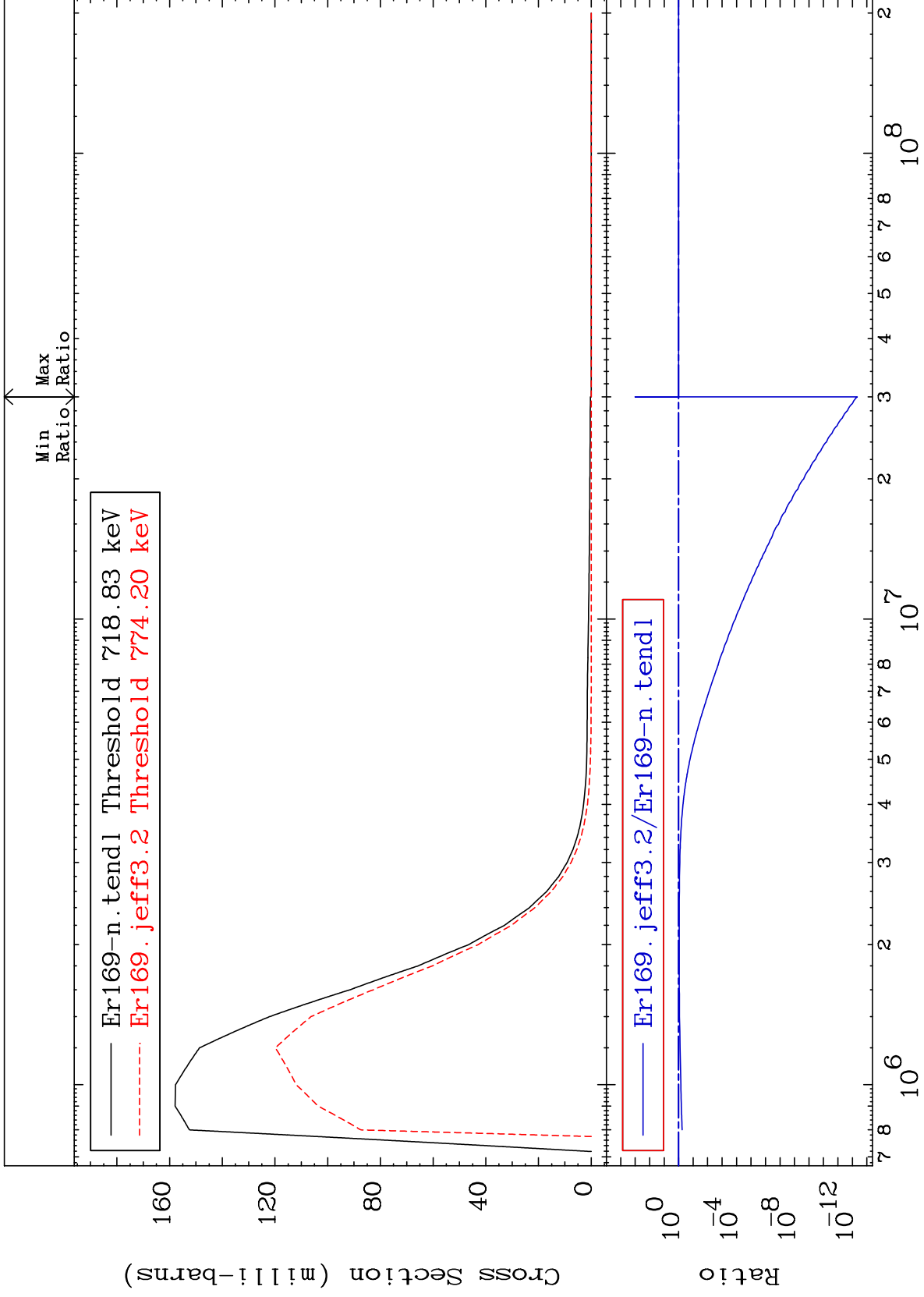
Incident Energy (eV)

68-Er-169

MAT 6846

714.6 keV (n,n') Level  
Cross Section

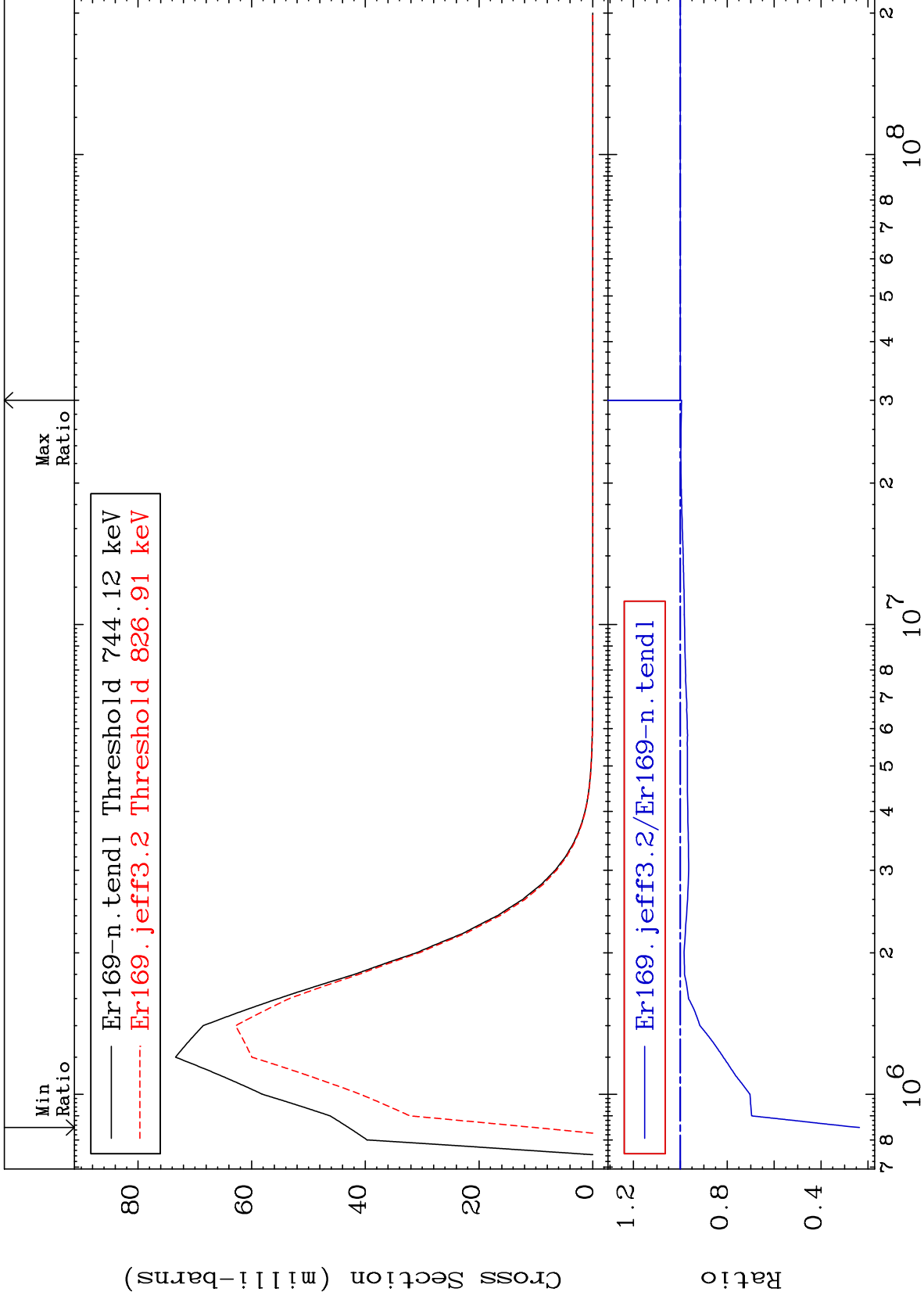
68-Er-169  
-100.0 To 0.000 %



MAT 6846

739.7 keV (n,n') Level  
Cross Section

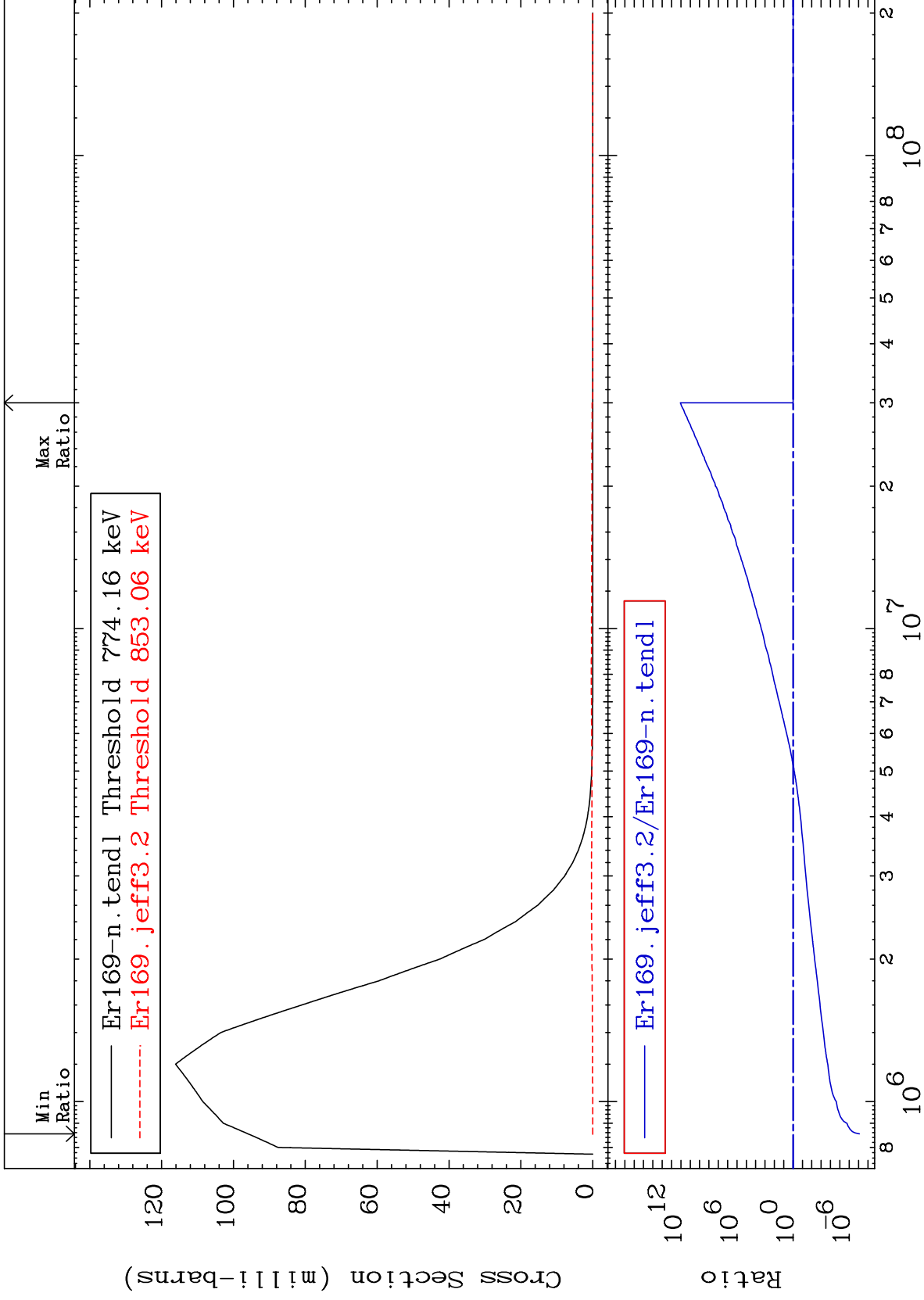
68-Er-169  
-76.35 To 0.000 %



MAT 6846

769.6 keV (n,n') Level  
Cross Section

68-Er-169  
-100.0 To 9999. %



40

Incident Energy (eV)

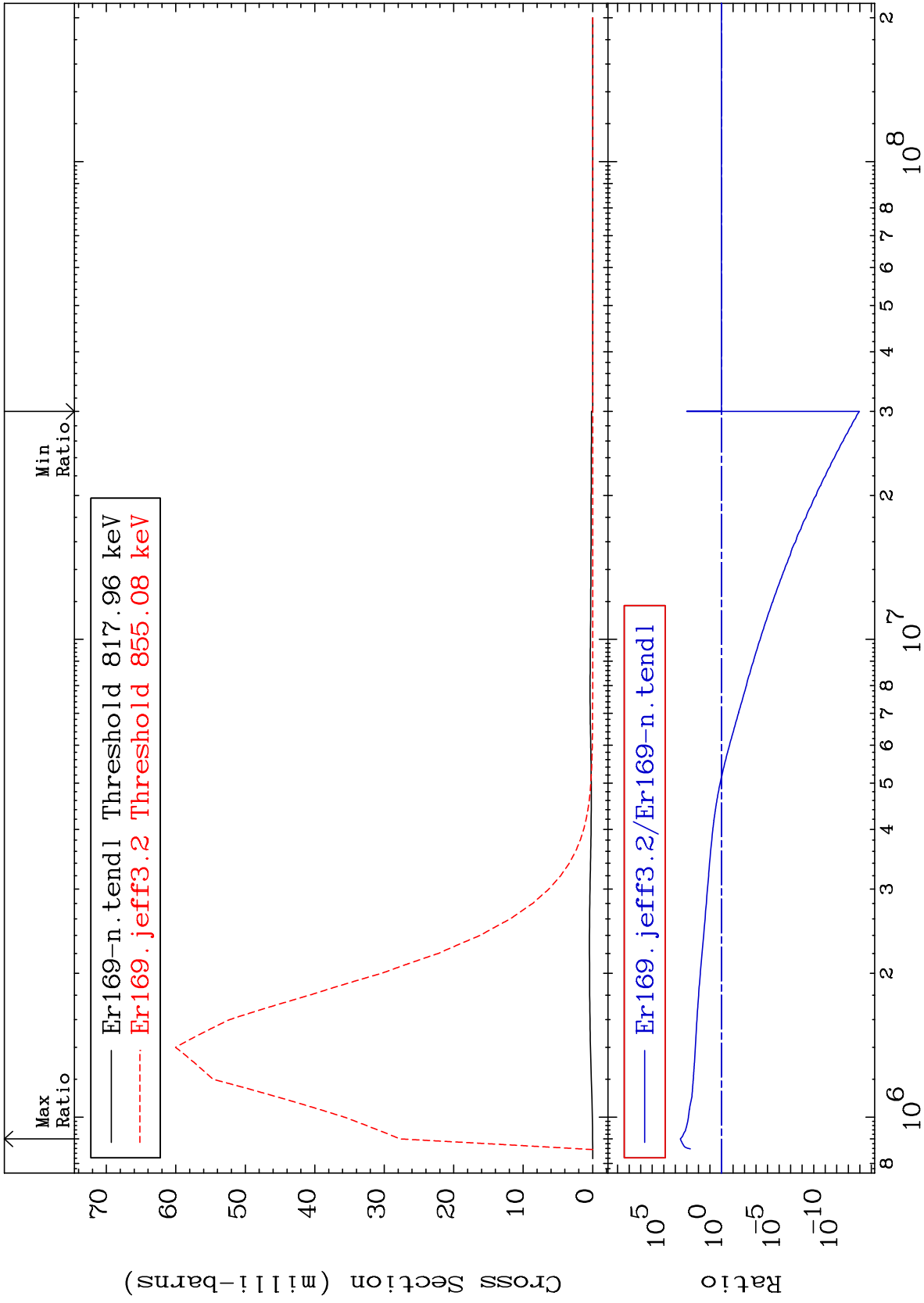
68-Er-169



MAT 6846

813.1 keV (n,n') Level  
Cross Section

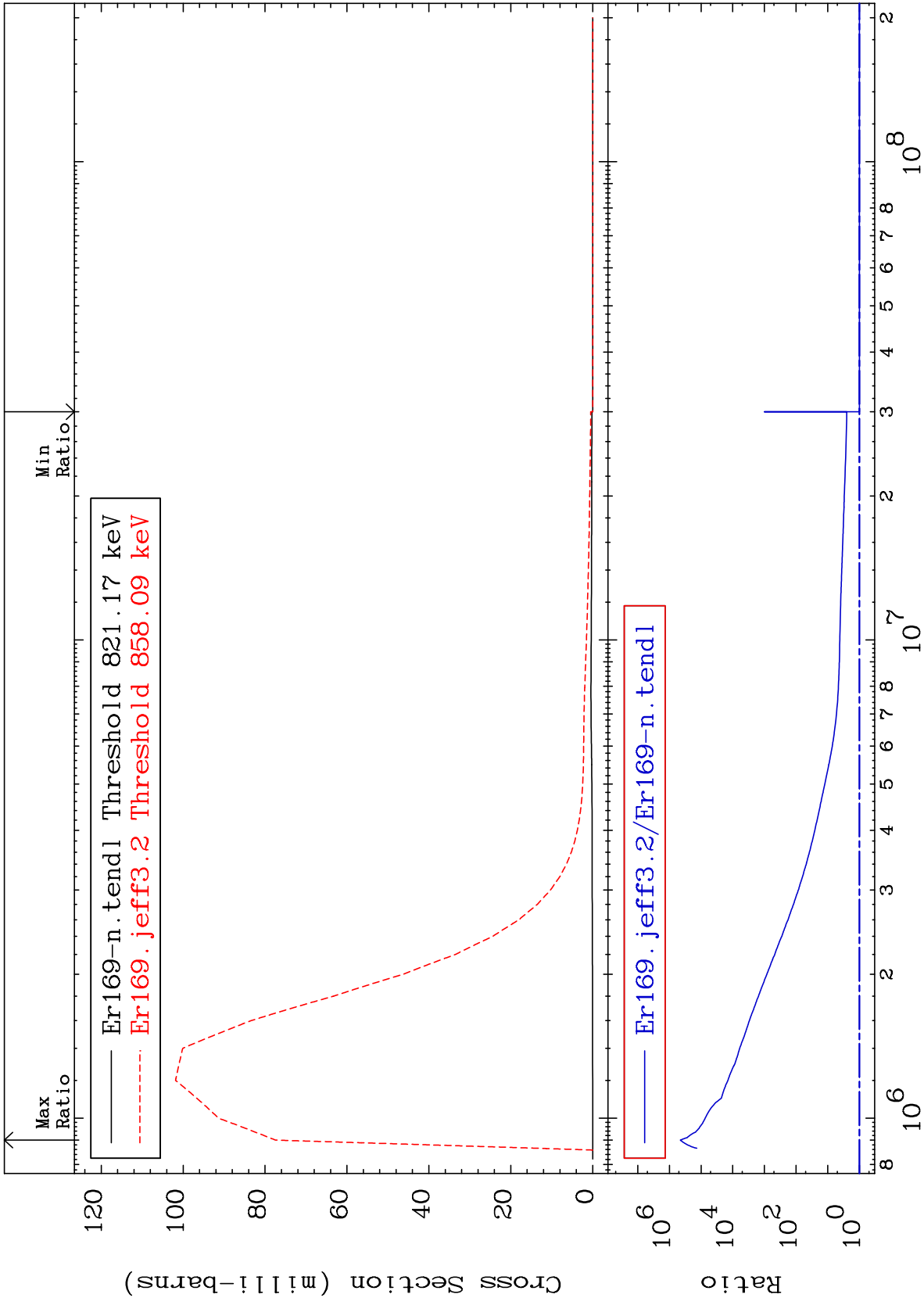
68-Er-169  
-100.0 To 9999. %



MAT 6846

816.3 keV (n,n') Level  
Cross Section

68-Er-169  
To 9999. %  
0.000



42

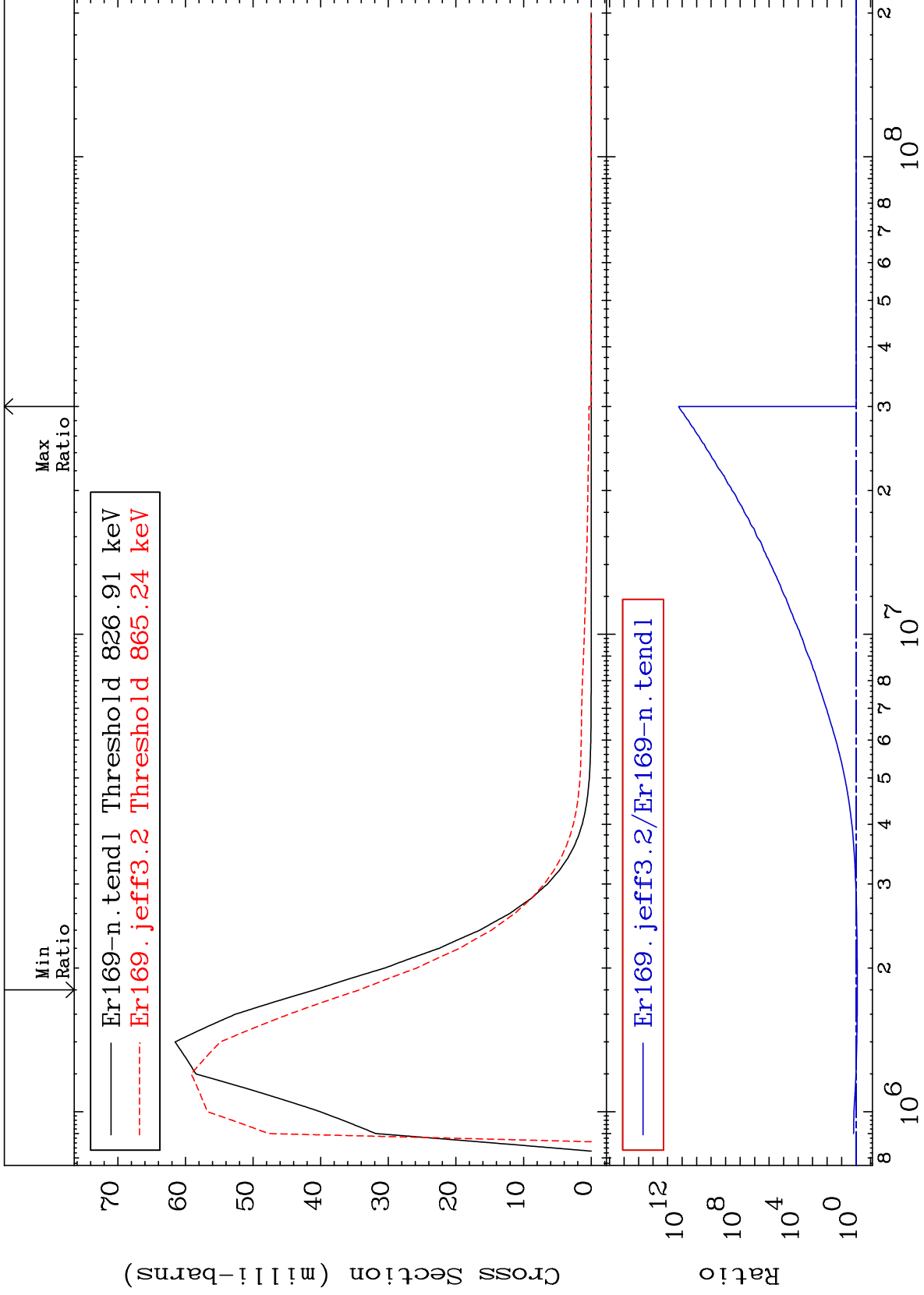
Incident Energy (eV)

68-Er-169

MAT 6846

822.0 keV (n,n') Level  
Cross Section

68-Er-169  
-16.14 To 9999. %



43

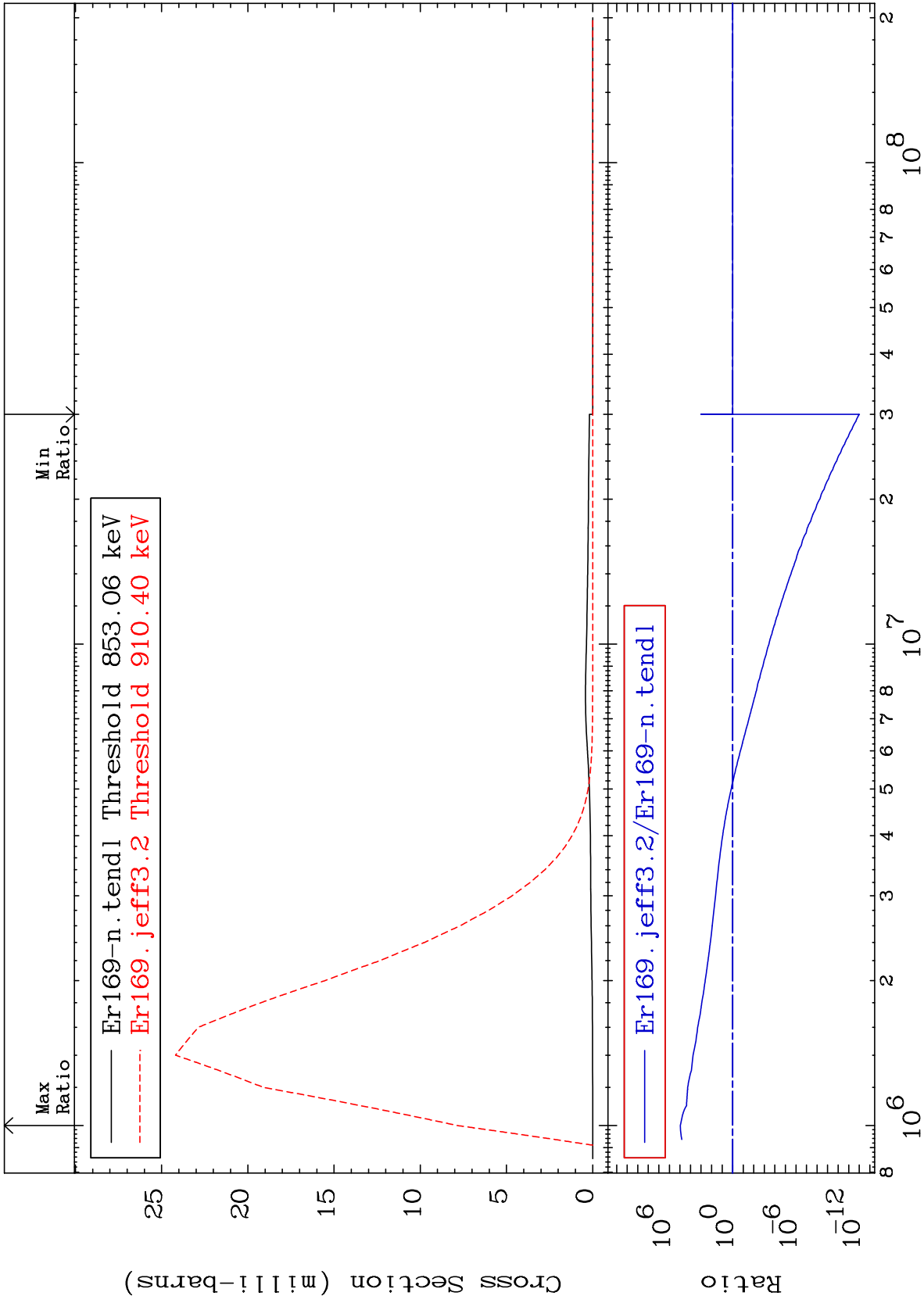
Incident Energy (eV)

68-Er-169

MAT 6846

848.0 keV (n,n') Level  
Cross Section

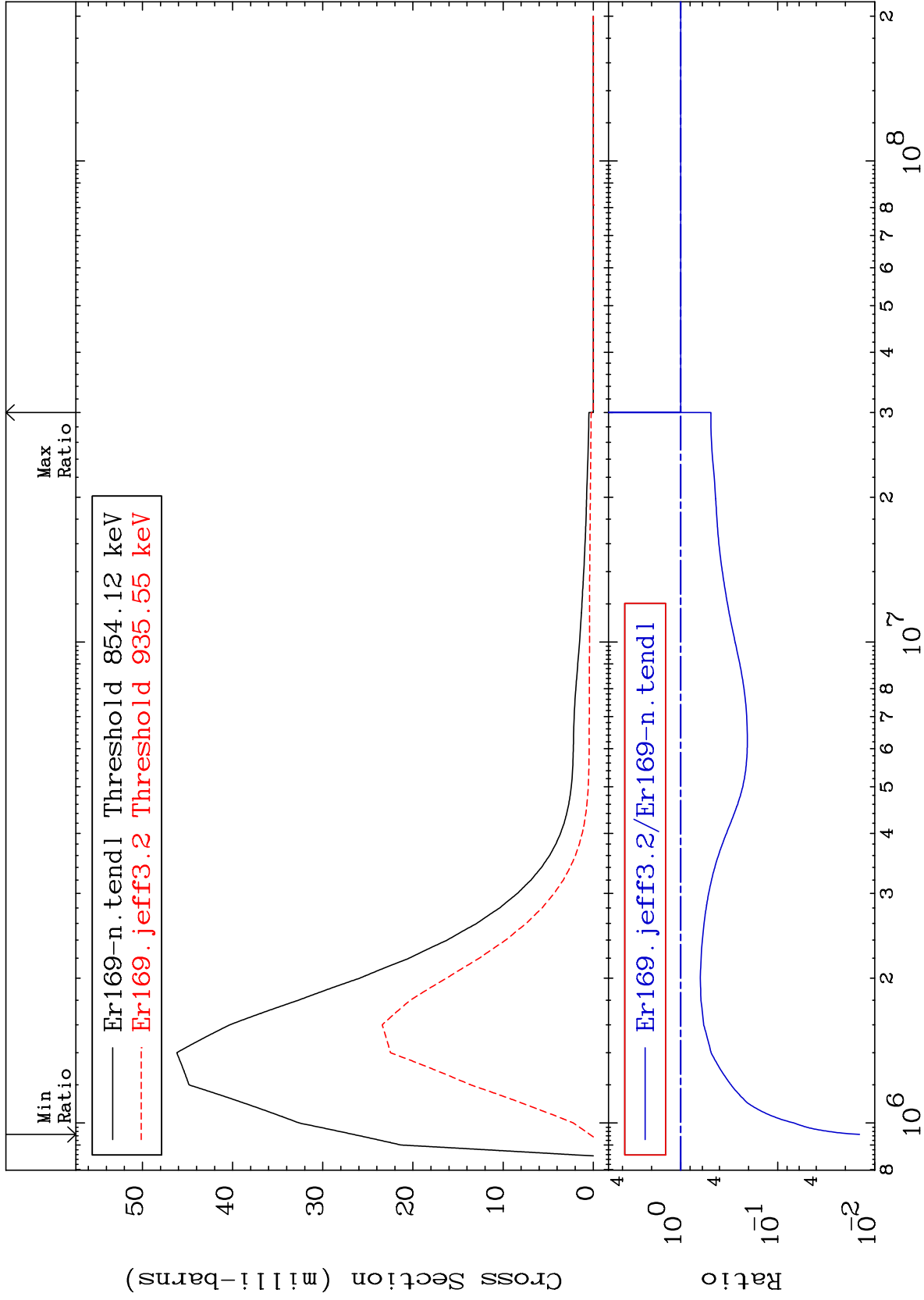
68-Er-169  
-100.0 To 9999. %



MAT 6846

849.1 keV (n,n') Level  
Cross Section

68-Er-169  
-98.57 To 0.000 %



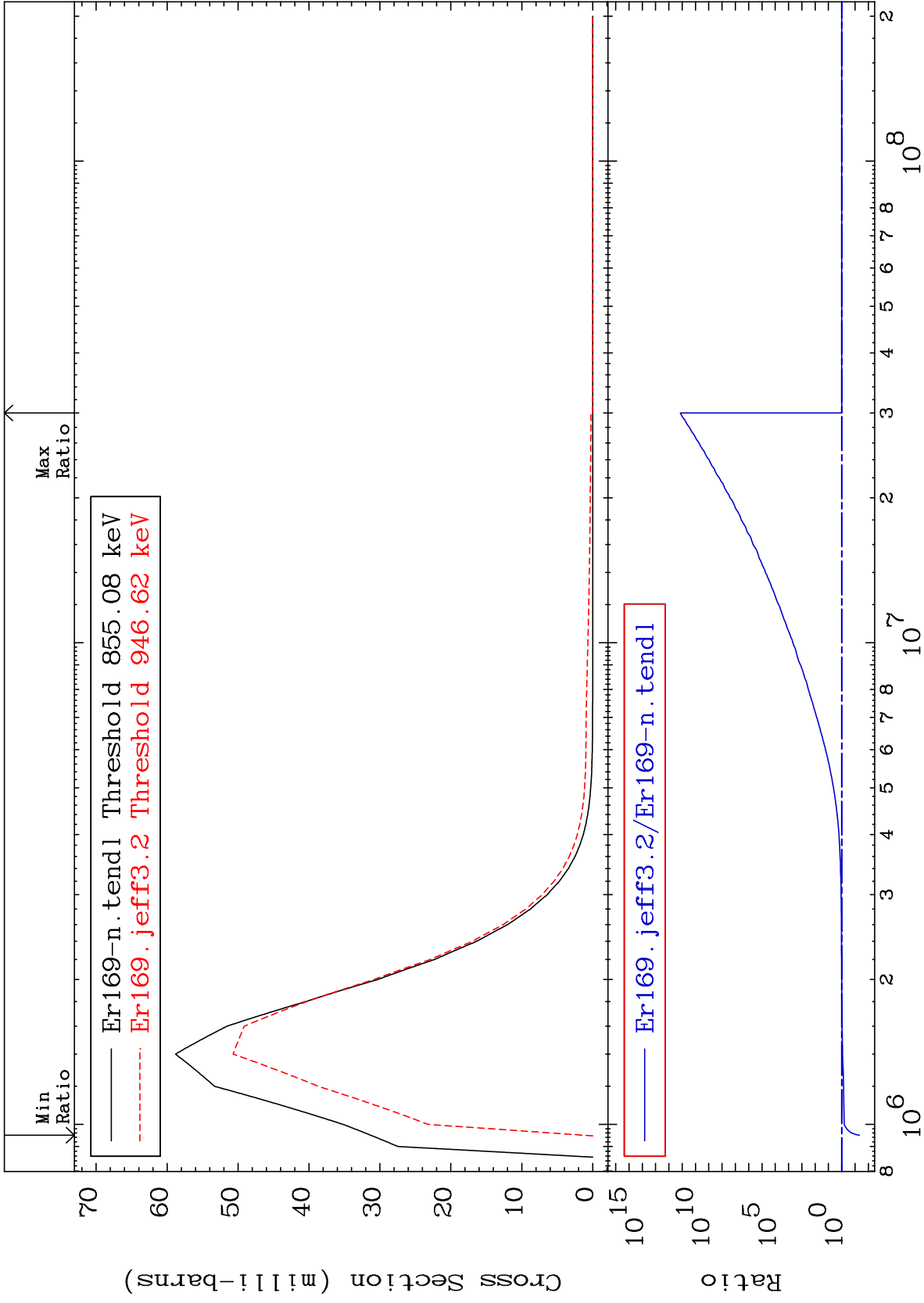
45

68-Er-169

MAT 6846

850.0 keV (n,n') Level  
Cross Section

68-Er-169  
-95.32 To 9999. %



46

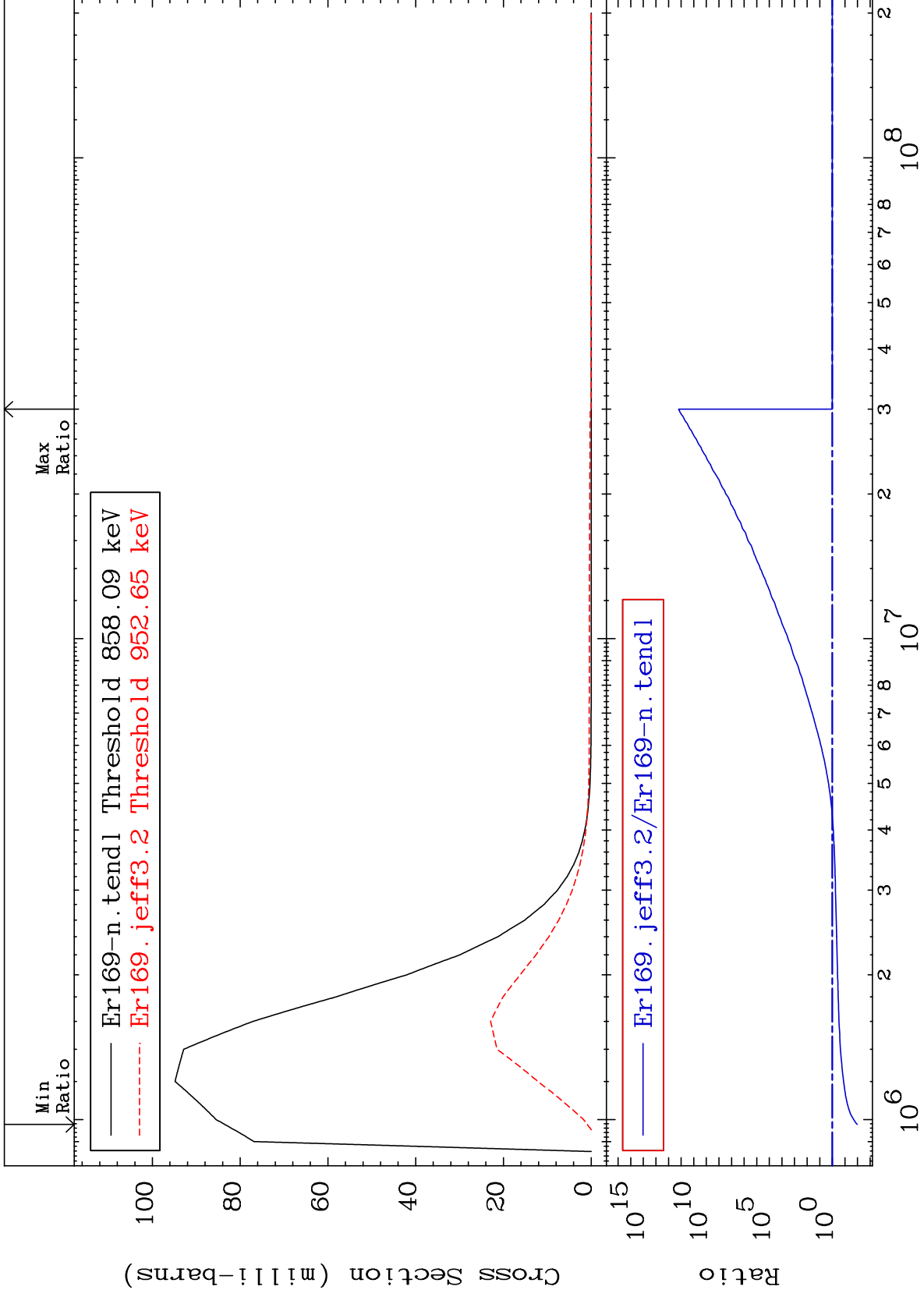
Incident Energy (eV)

68-Er-169

MAT 6846

853.0 keV (n,n') Level  
Cross Section

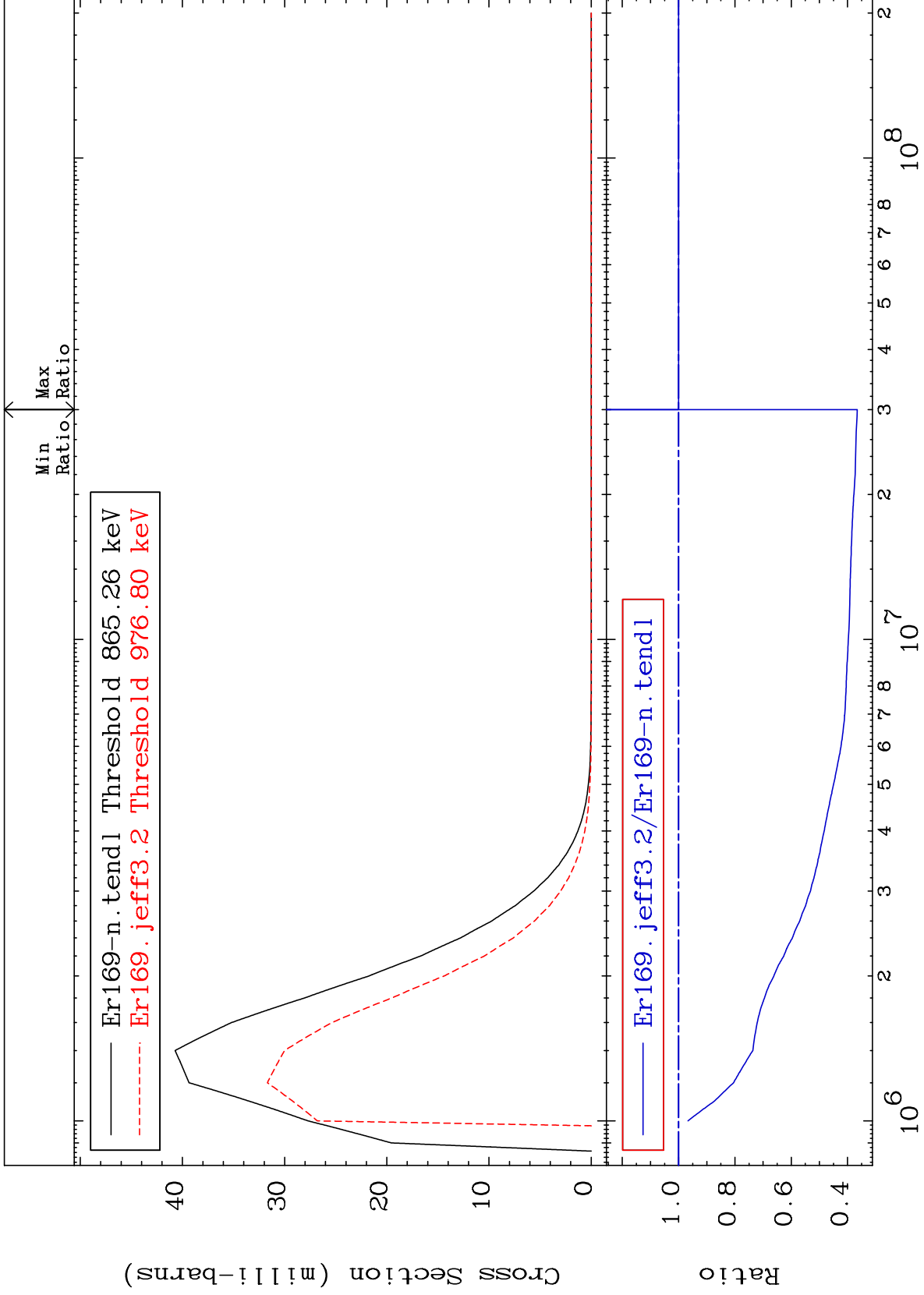
68-Er-169  
-98.94 To 9999. %



MAT 6846

860.1 keV (n,n') Level  
Cross Section

68-Er-169  
-63.44 To 0.000 %



48

Incident Energy (eV)

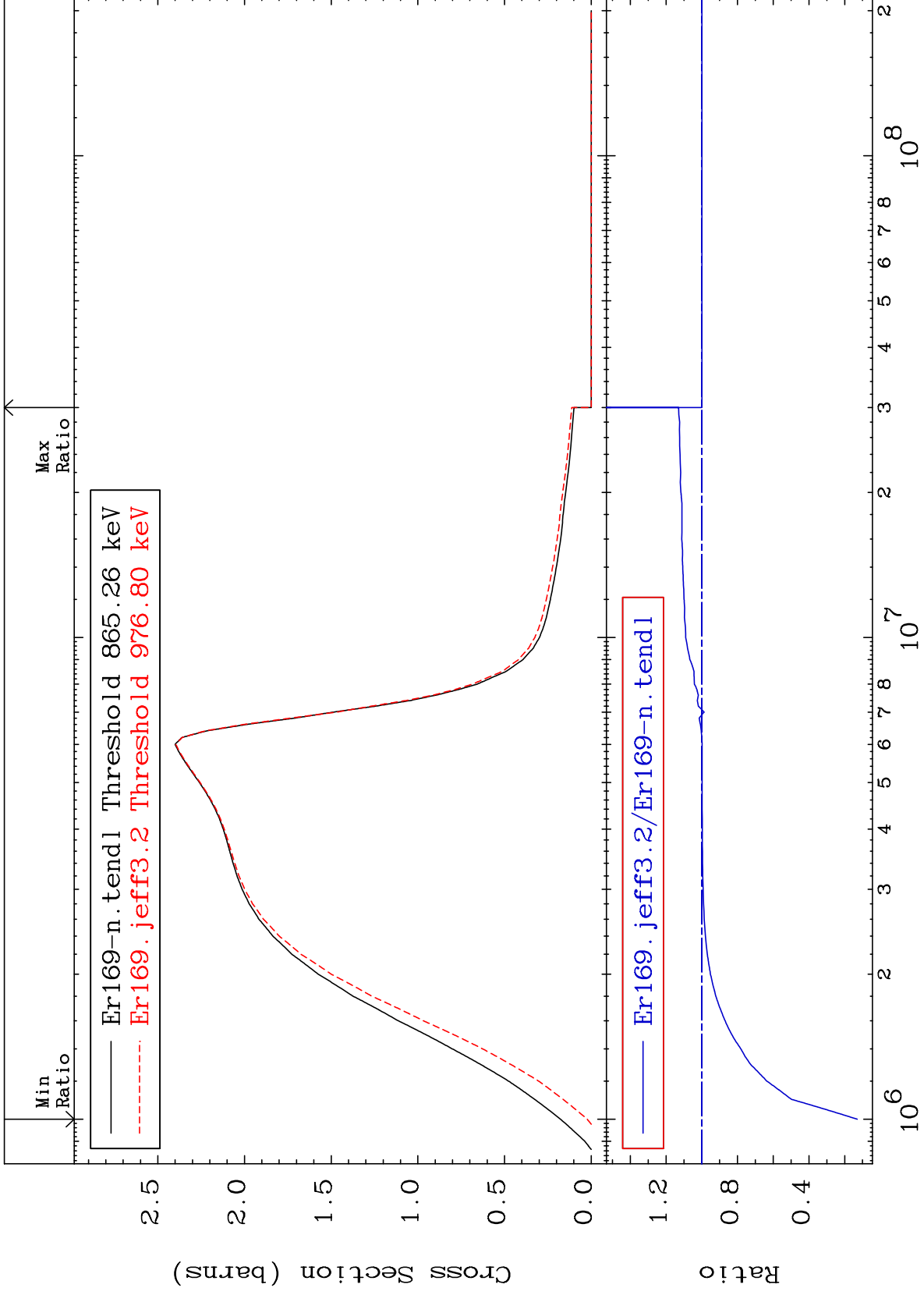
68-Er-169



MAT 6846

(n, n') Continuum  
Cross Section

68-Er-169  
-87.05 To 12.97 %



49

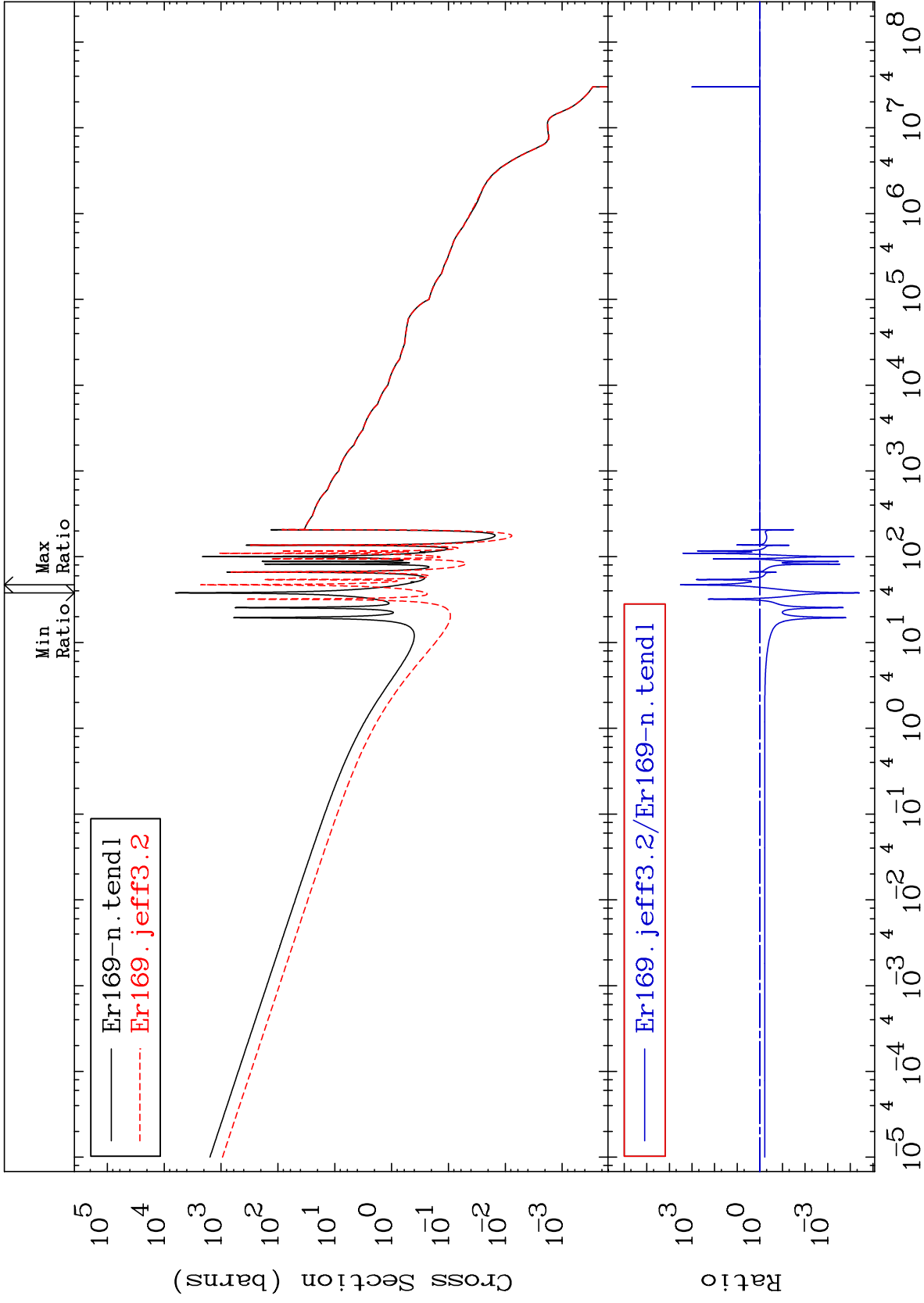
Incident Energy (eV)

68-Er-169

MAT 6846

(n,  $\gamma$ )  
Cross Section

68-Er-169  
-100.0 To 9999. %



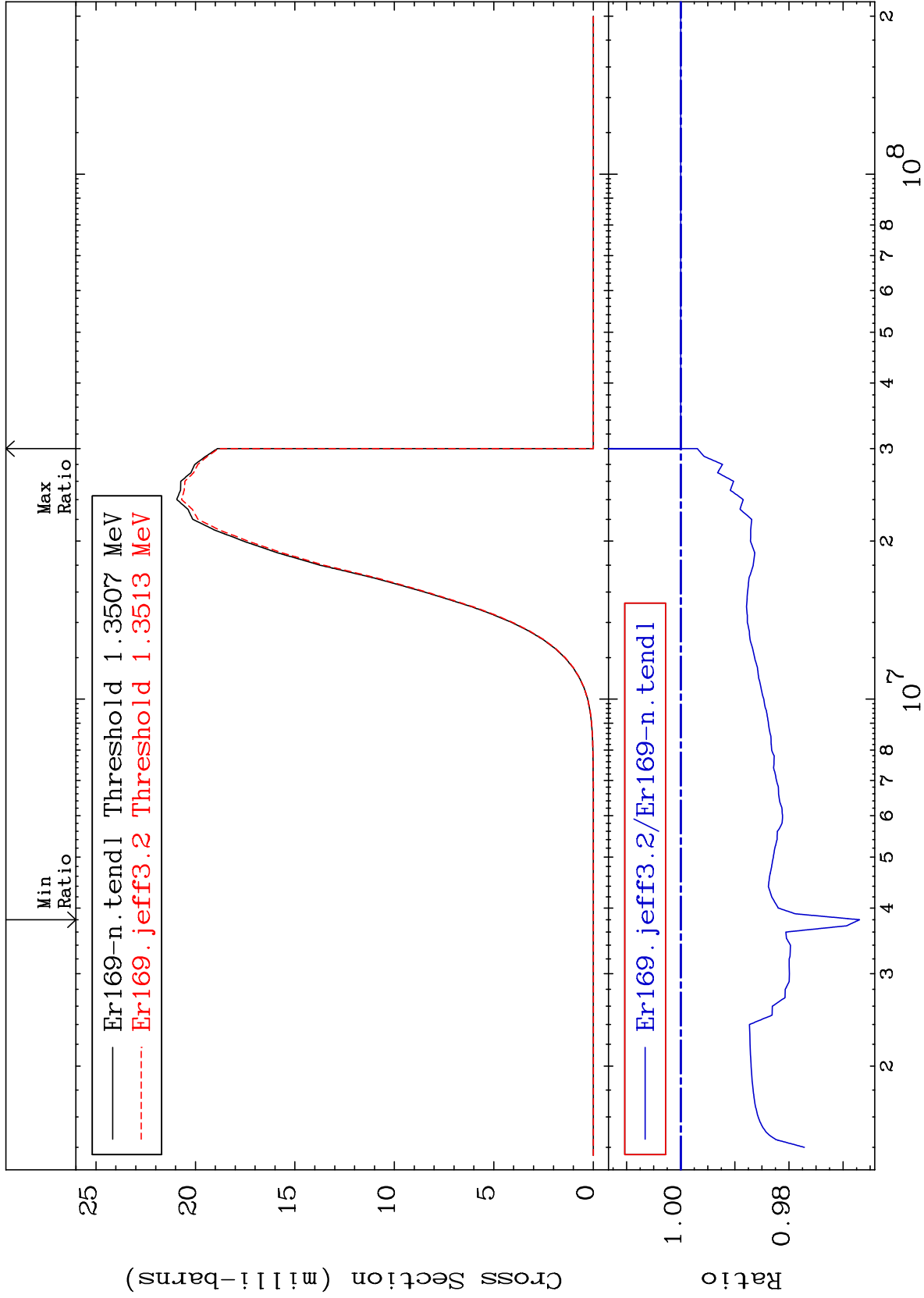
MAT 6846

(n,p)

68-Er-169

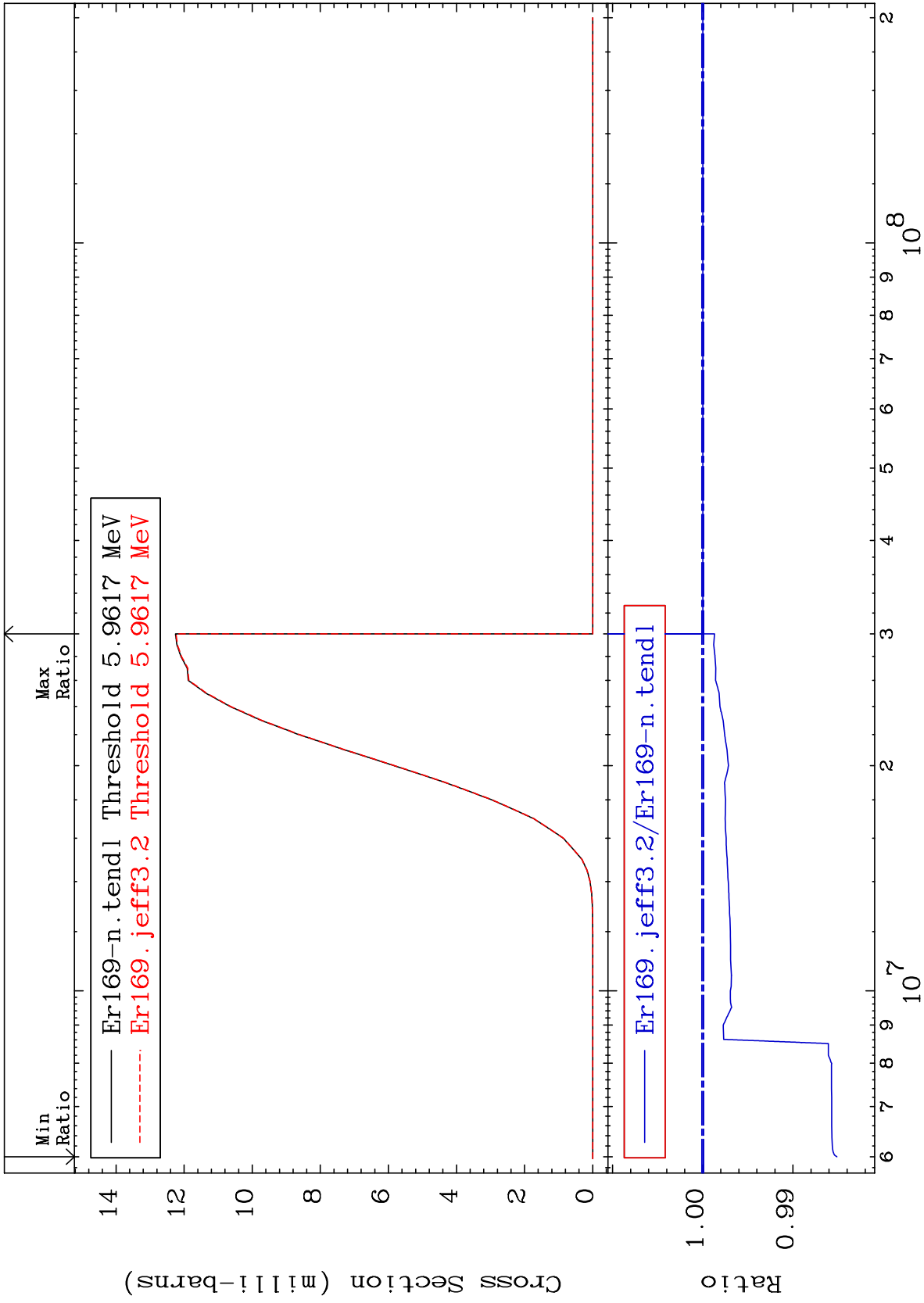
Cross Section

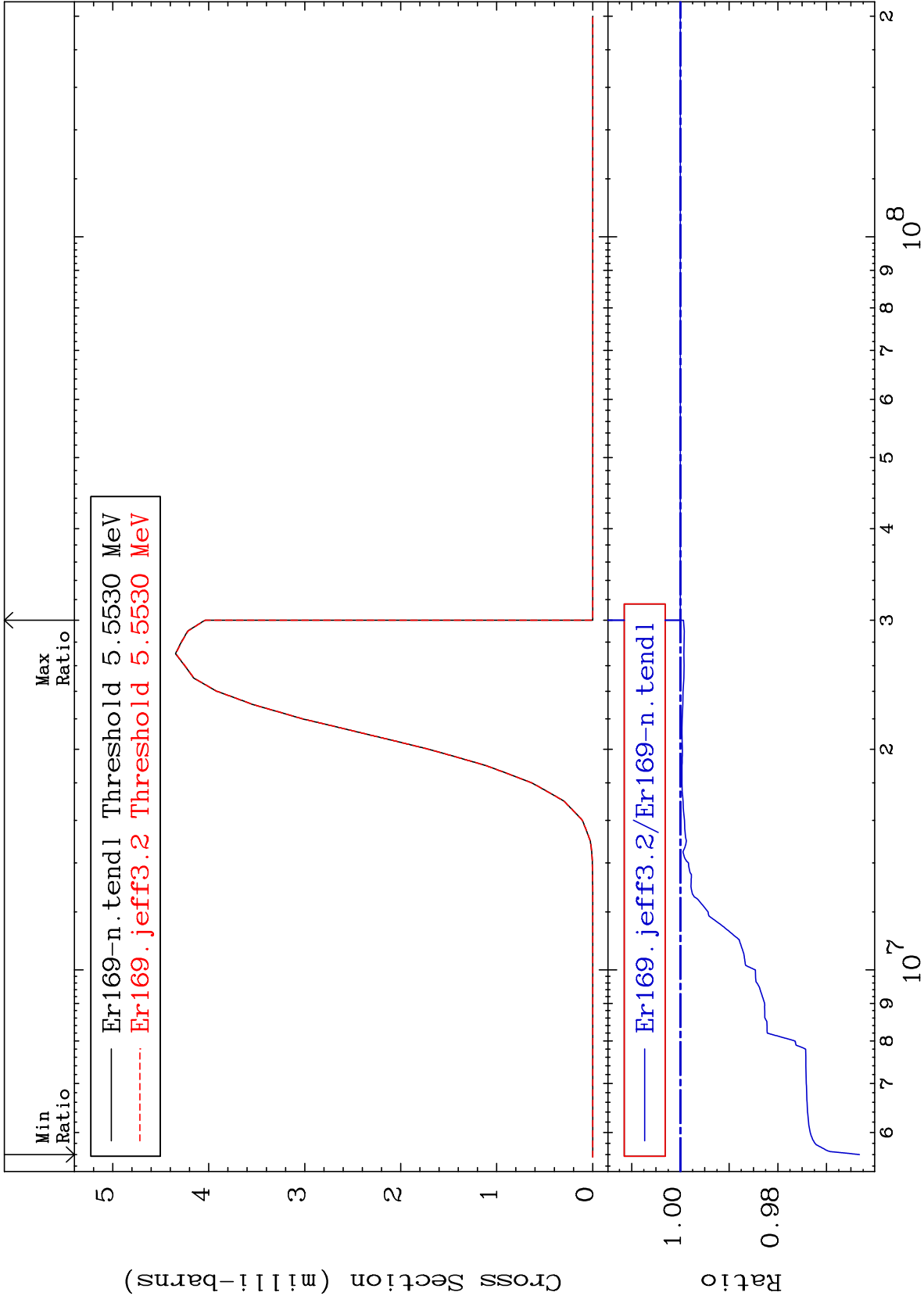
-3.304 To 0.000 %



Cross Section

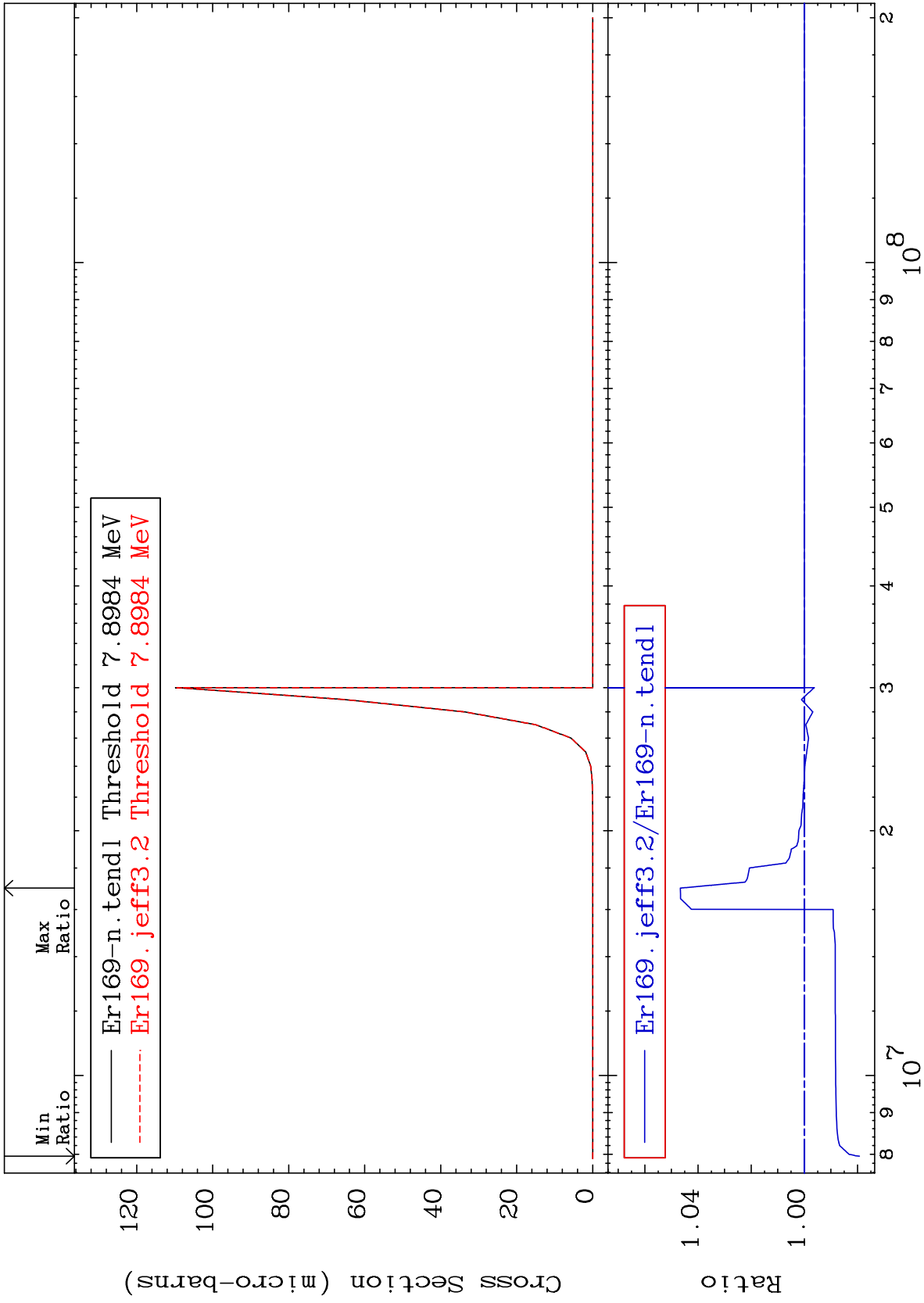
-1.488 To 0.000 %





Cross Section

-2.072 To 4.664 %



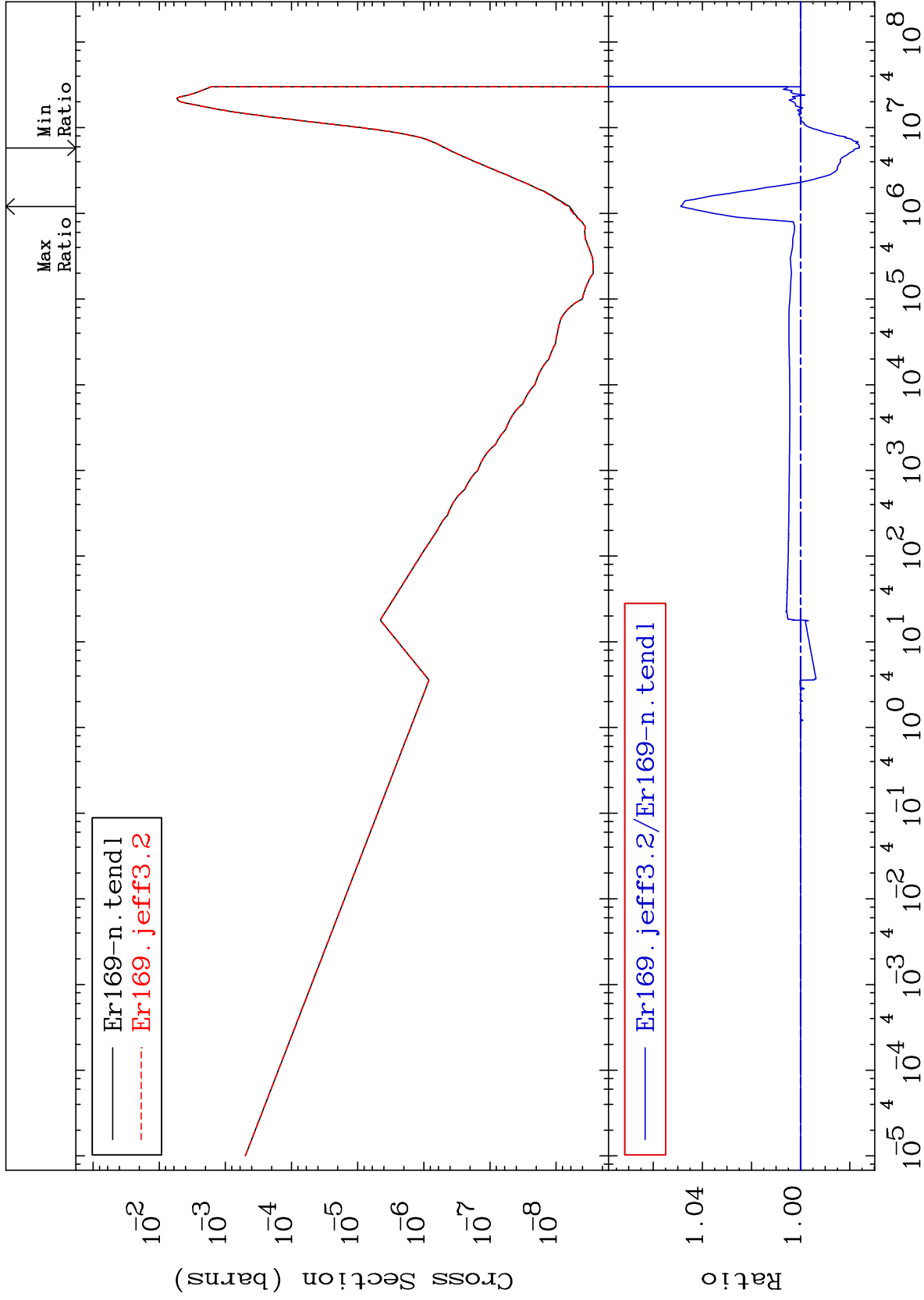
MAT 6846

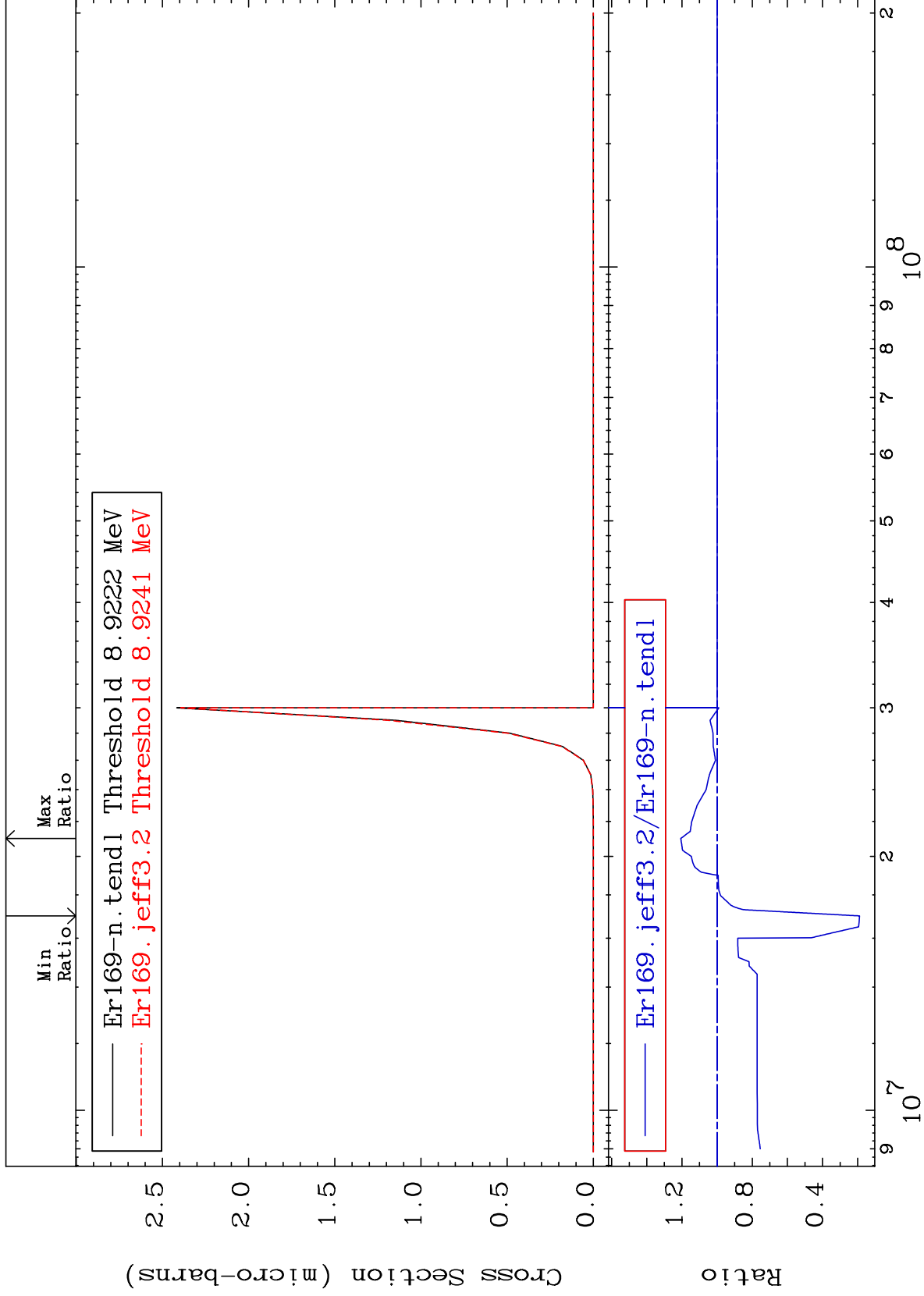
(n,  $\alpha$ )

68-Er-169

Cross Section

-2.401 To 4.879 %

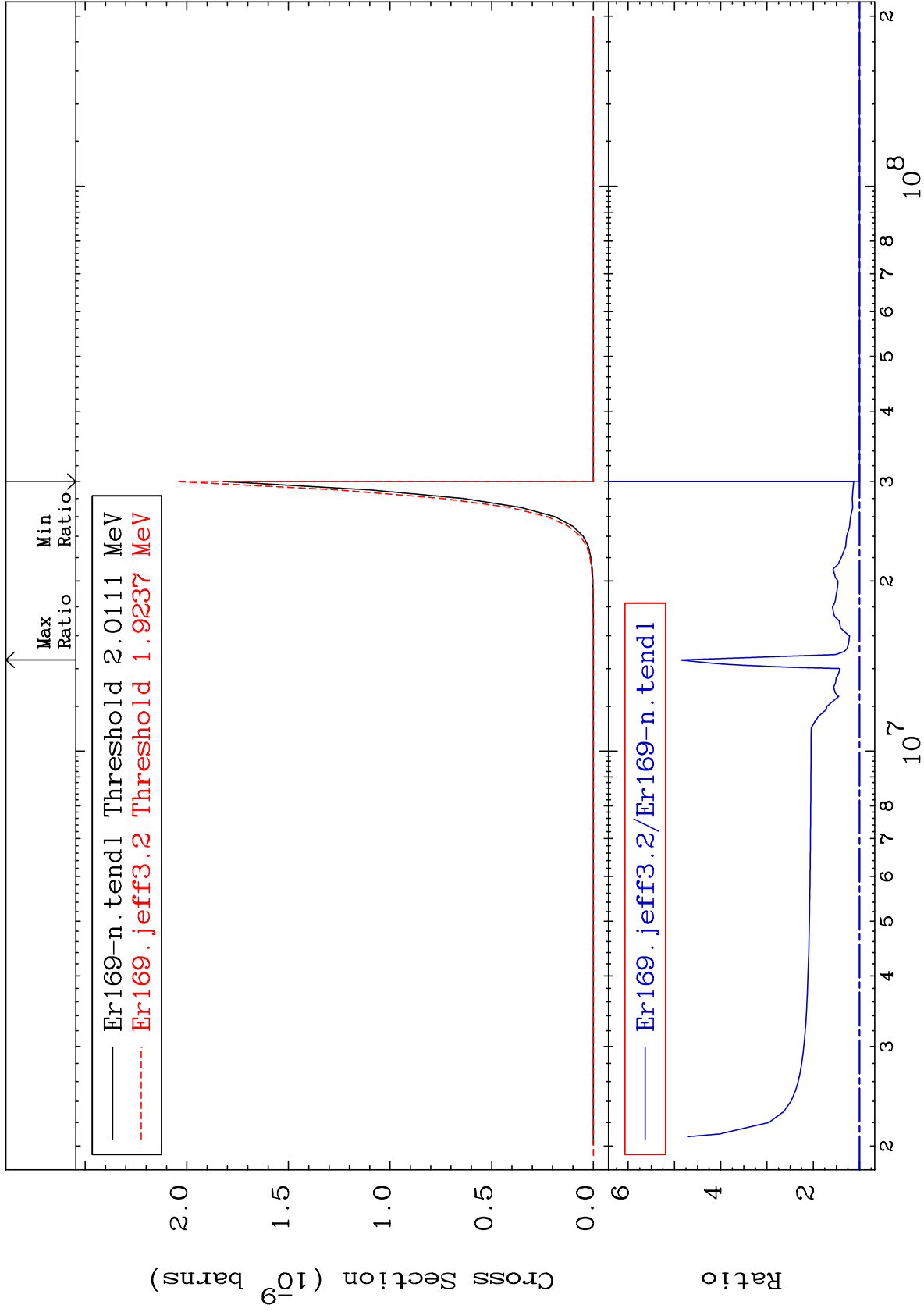






MAT 6846

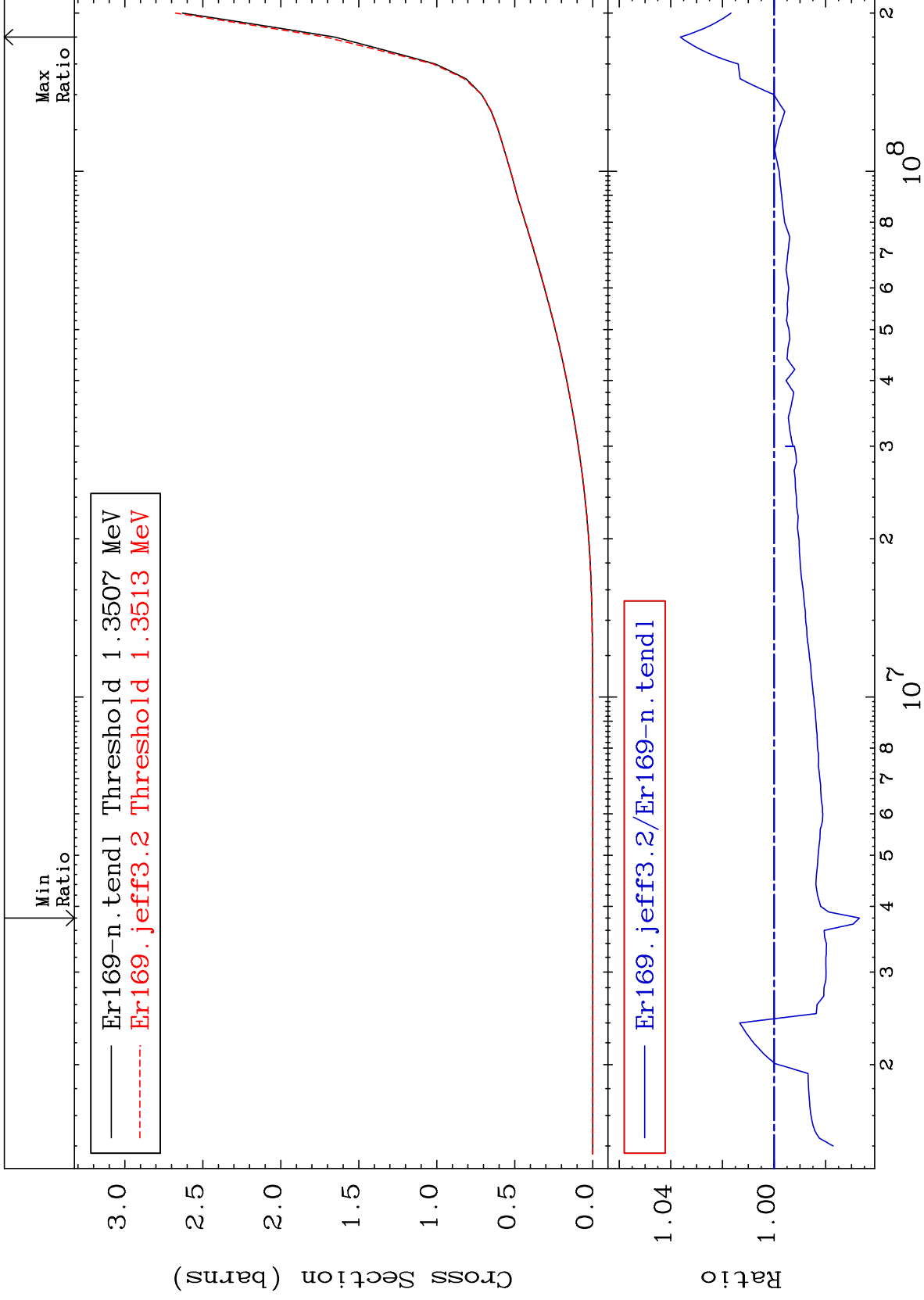
(n,p)  $\alpha$   
Cross Section  
68-Er-169  
0.000 To 386.3 %

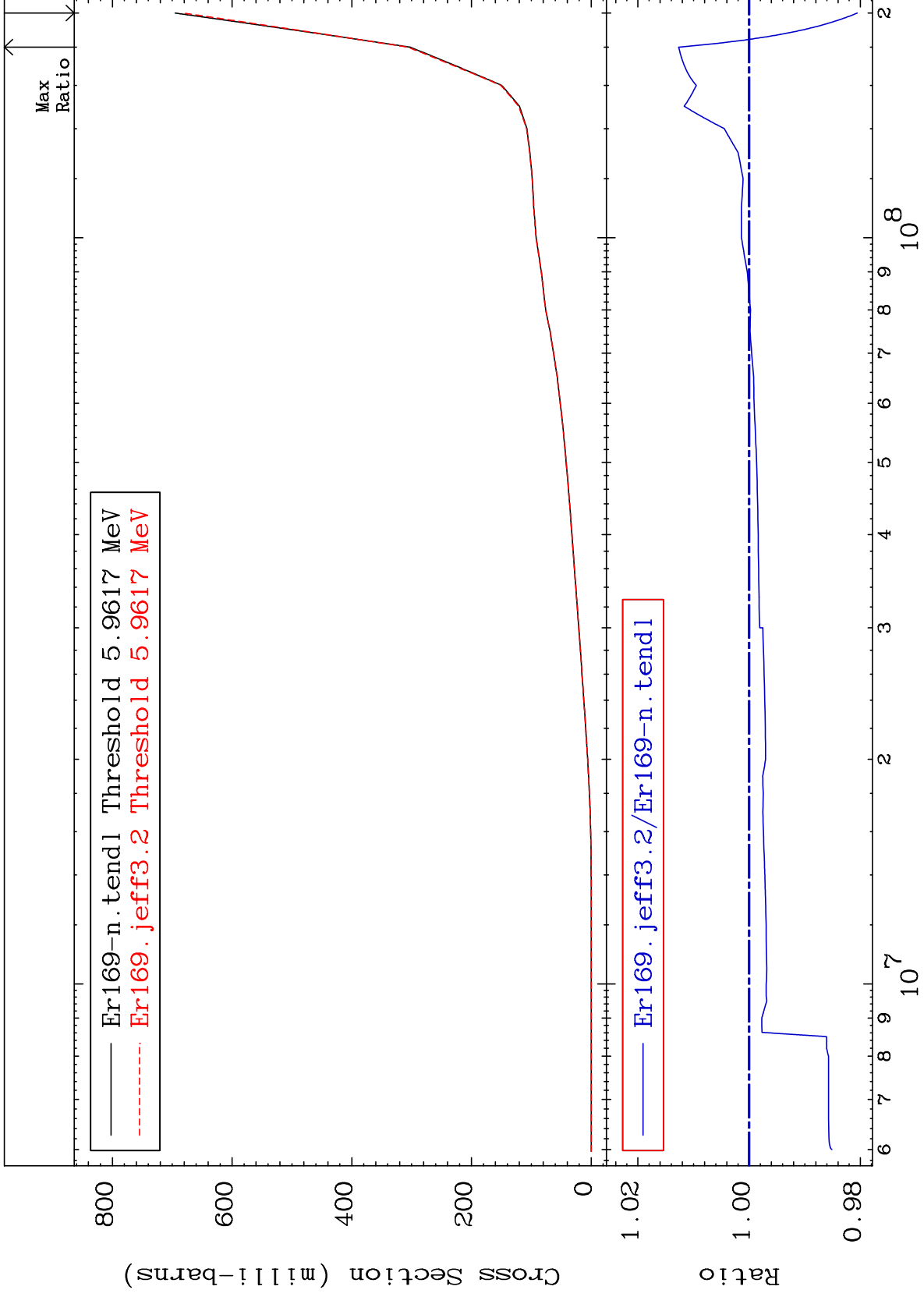


57

Incident Energy (eV)

68-Er-169

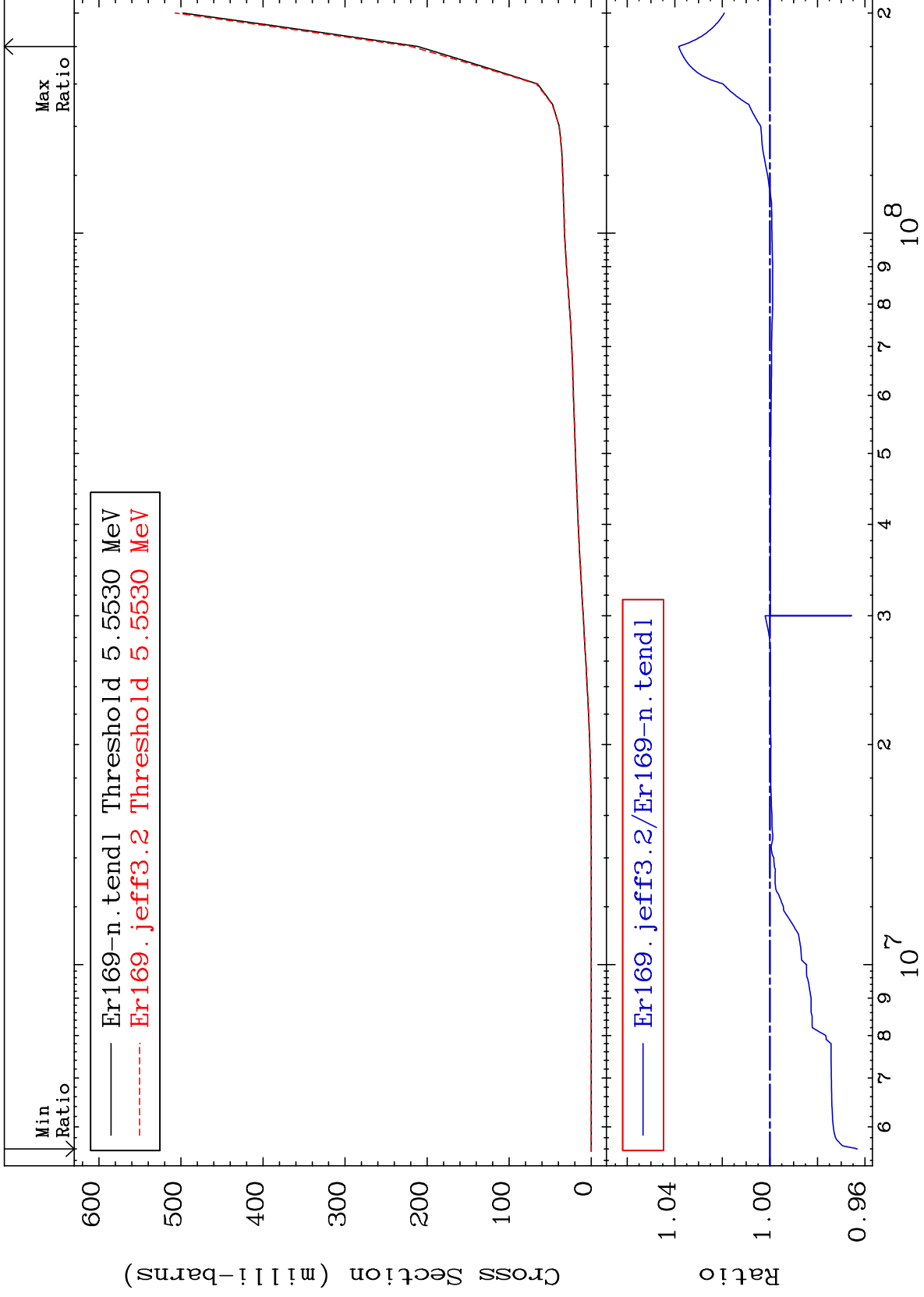




MAT 6846

Tritium Production  
Cross Section

68-Er-169  
-3.675 To 3.837 %



60

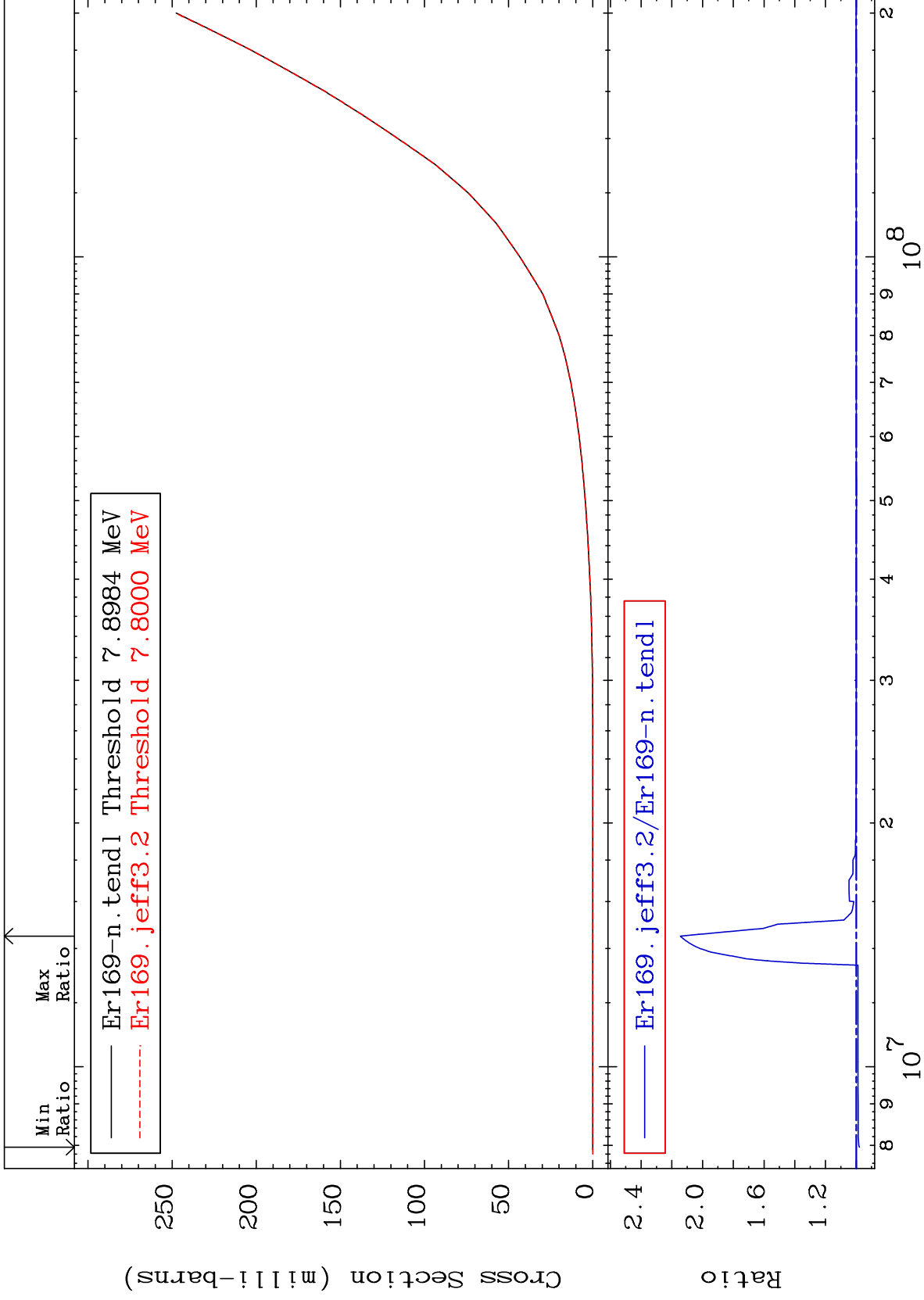
Incident Energy (eV)

68-Er-169

MAT 6846

He-3 Production  
Cross Section

68-Er-169  
-2.081 To 114.5 %



61

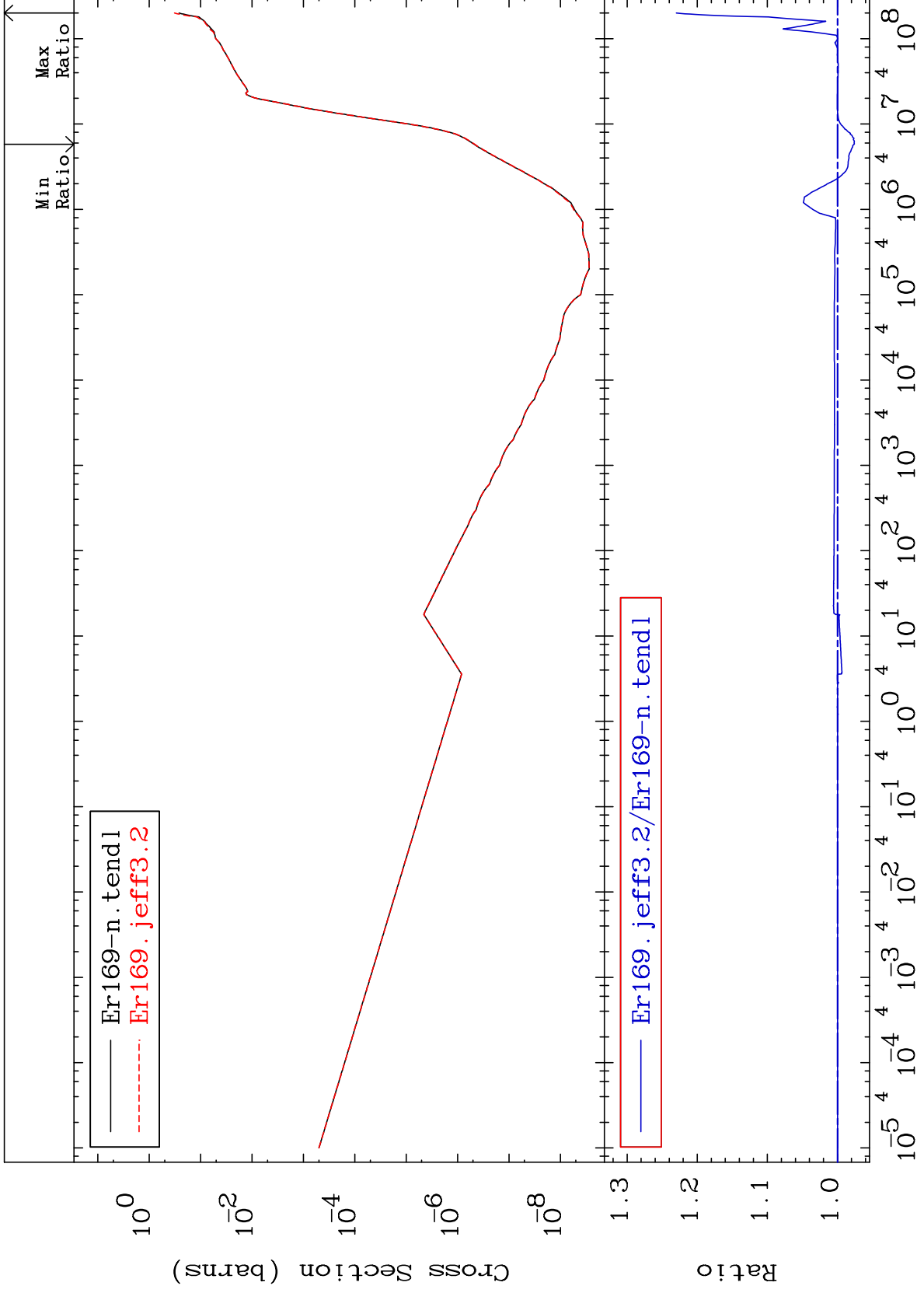
Incident Energy (eV)

68-Er-169

MAT 6846

He-4 Production  
Cross Section

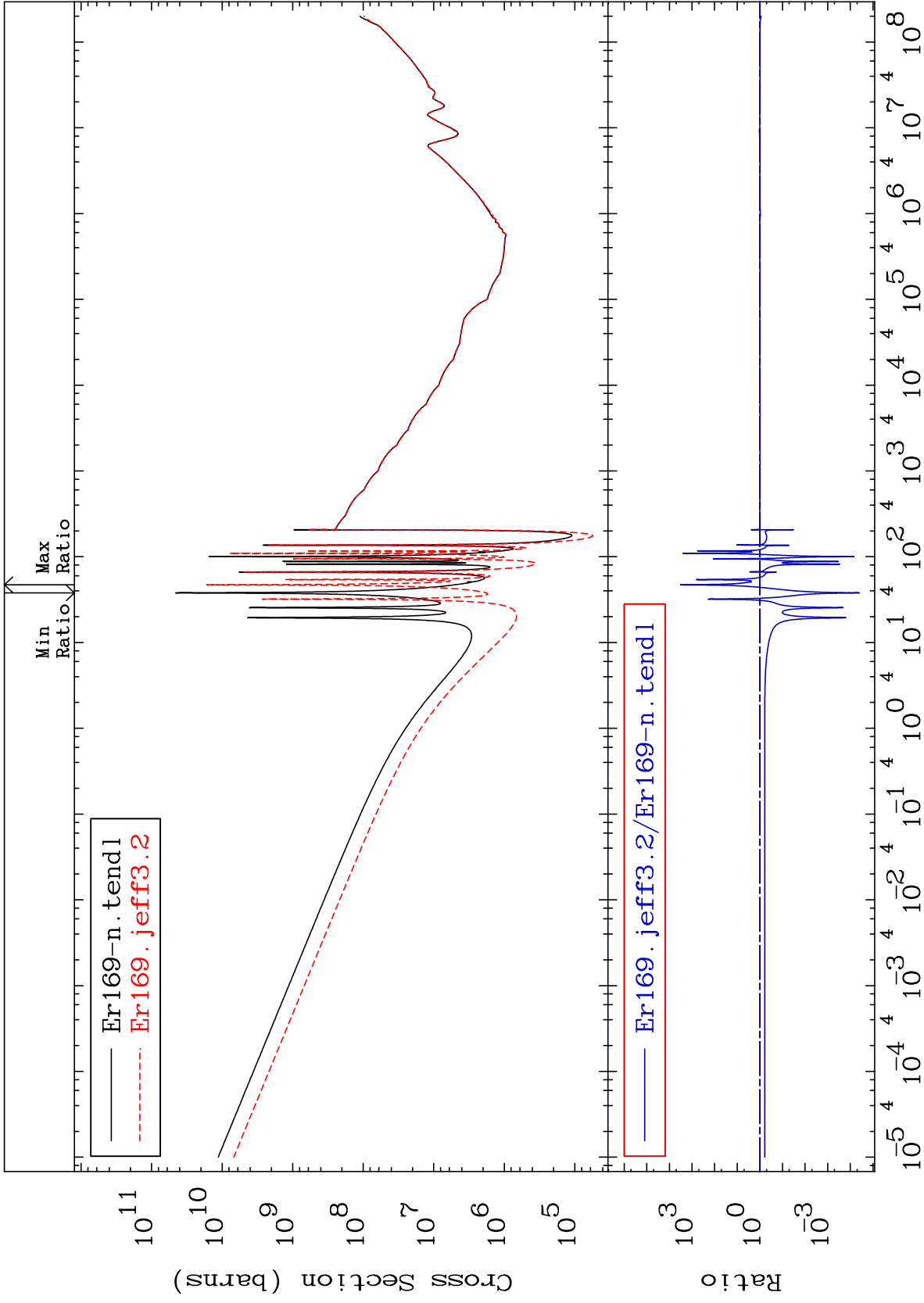
68-Er-169  
-2.401 To 22.98 %



62

Incident Energy (eV)

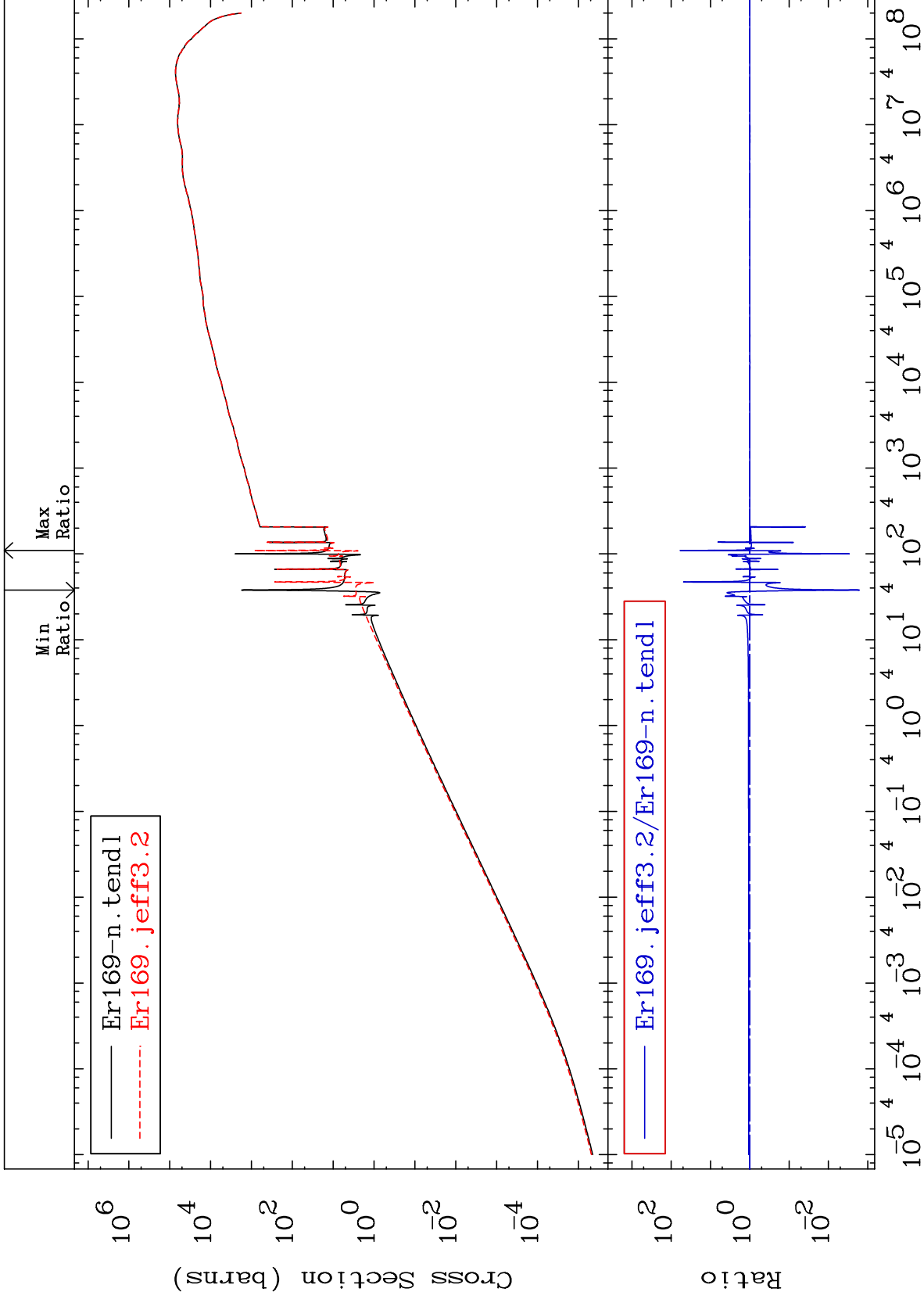
68-Er-169



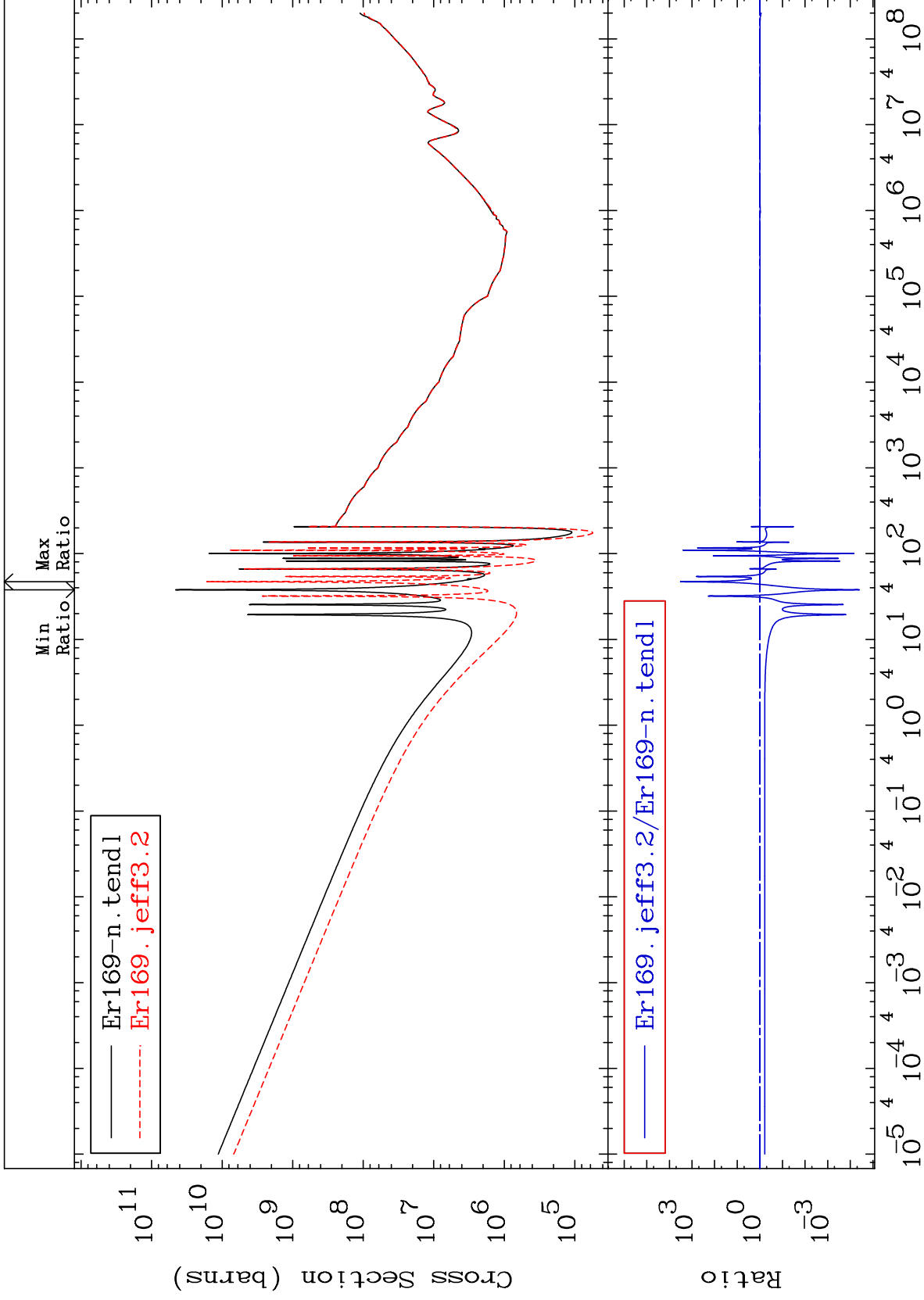
MAT 6846

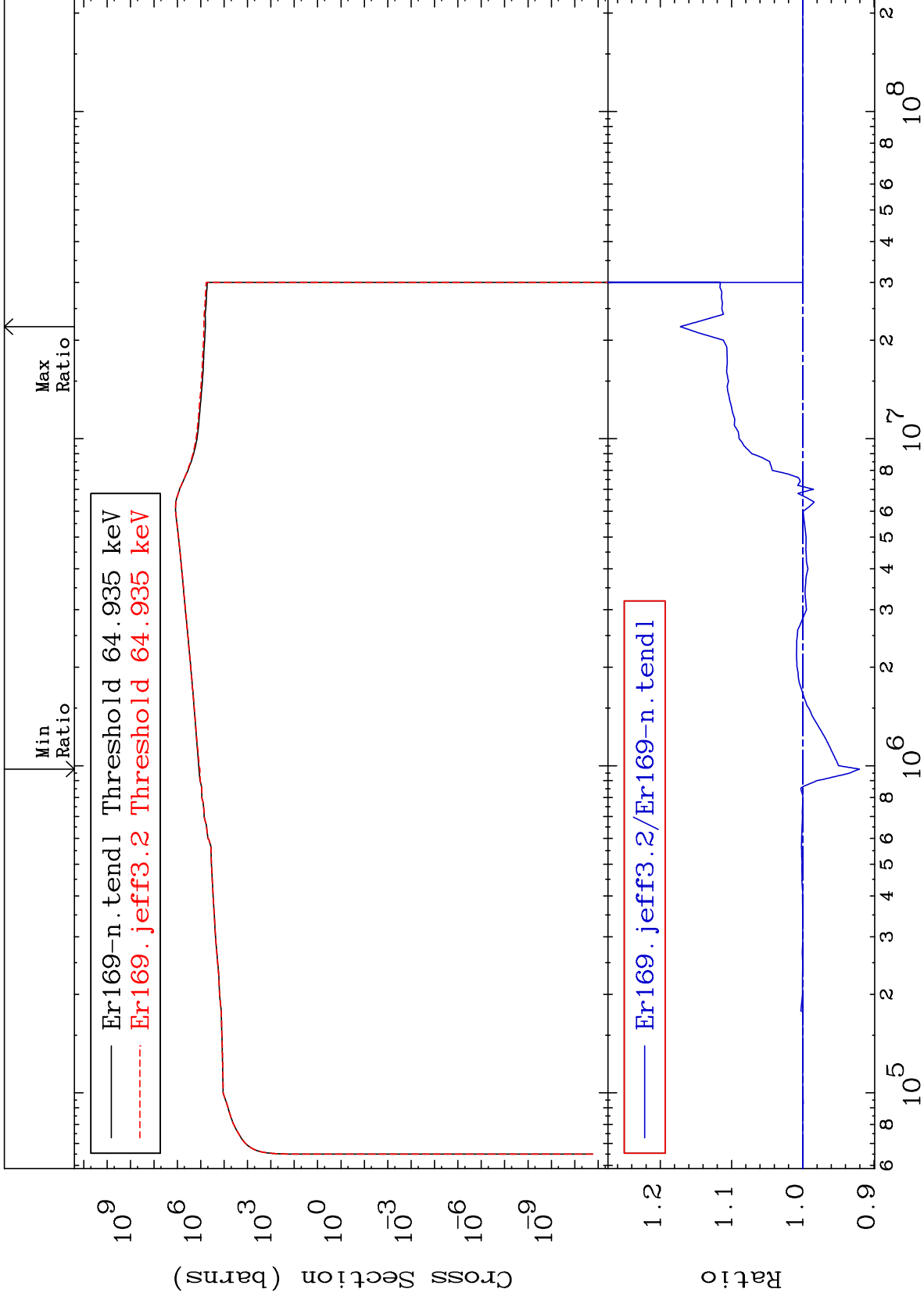
Kerma elastic  
Cross Section

68-Er-169  
-99.84 To 5739. %





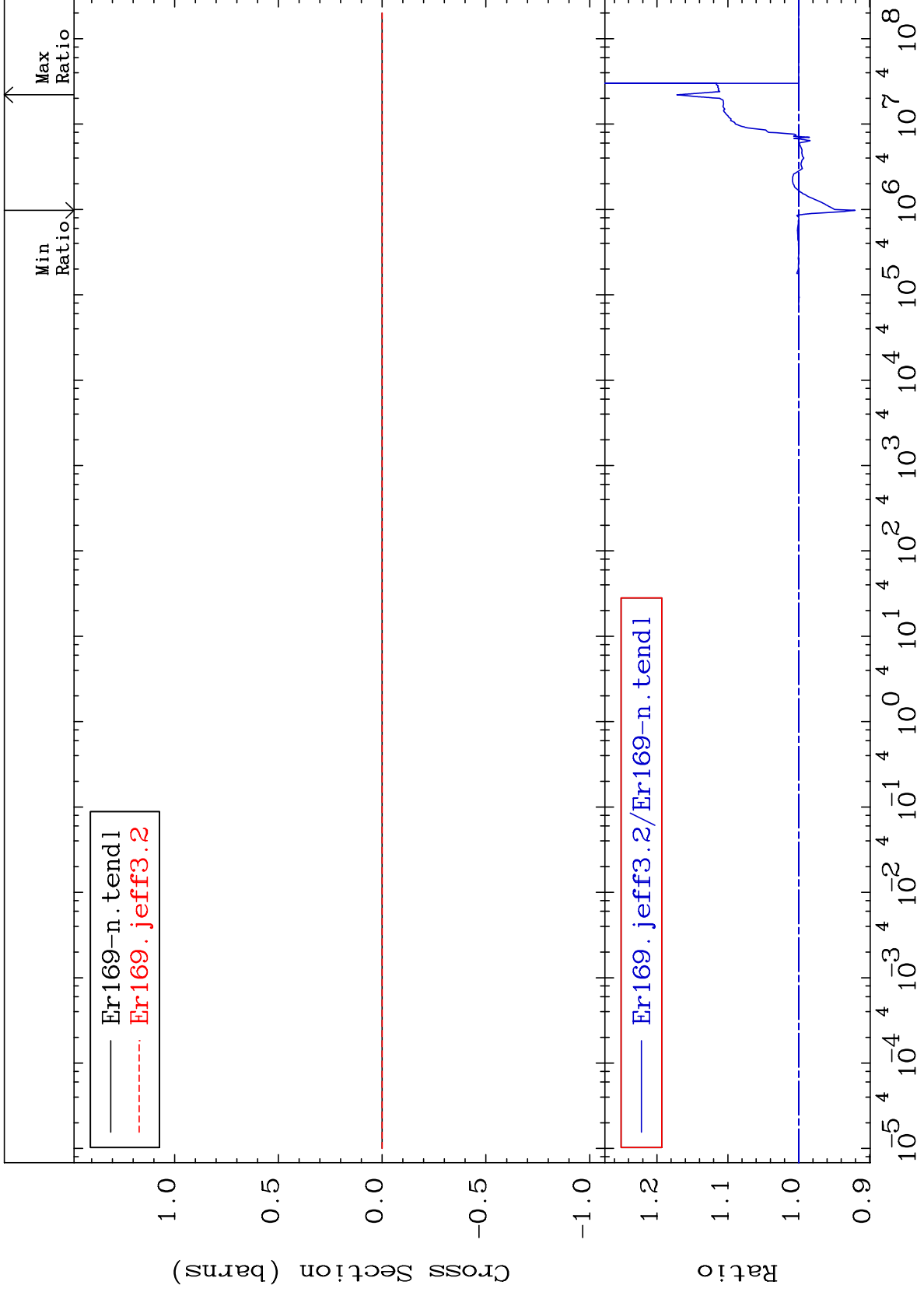




MAT 6846

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

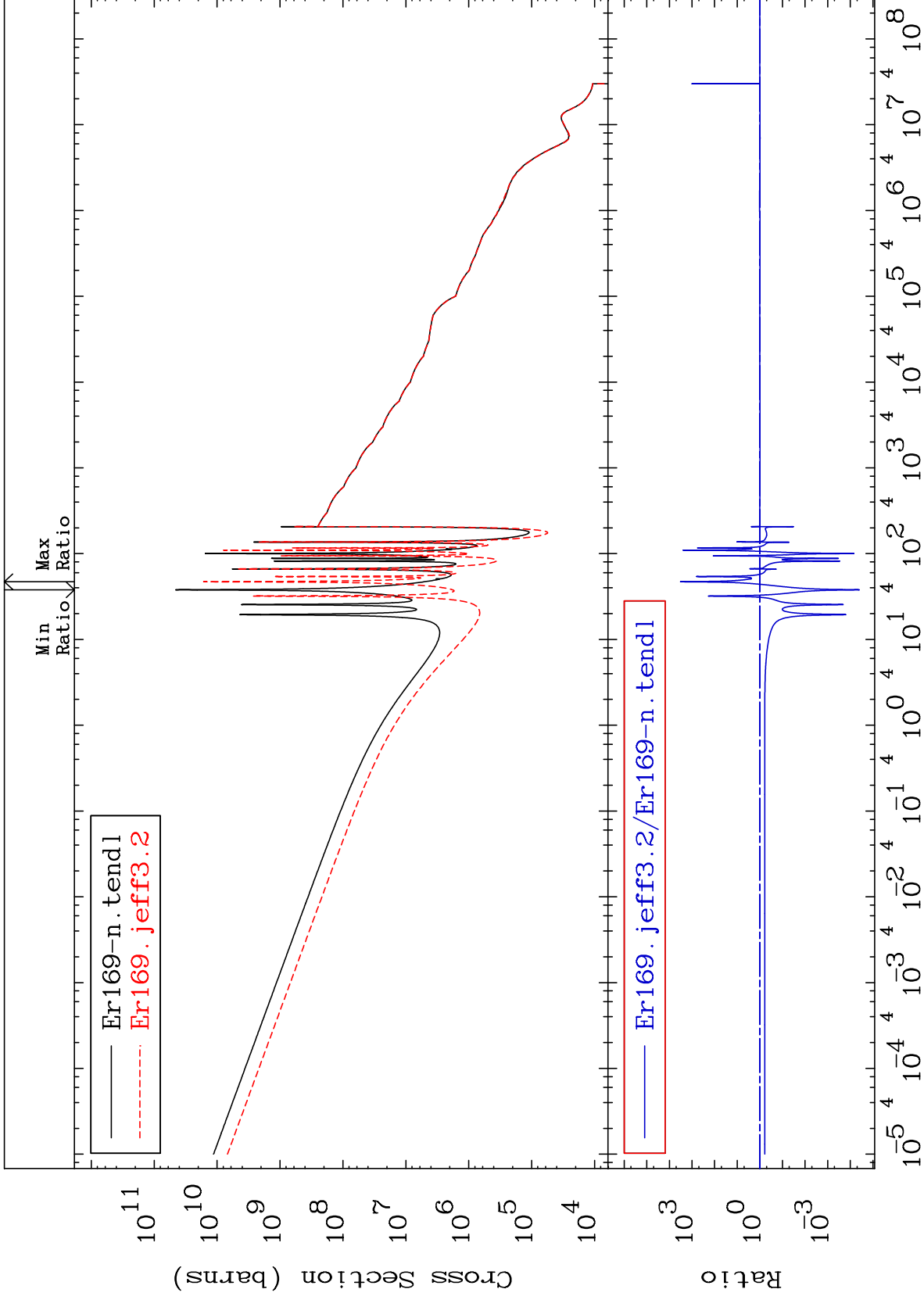
68-Er-169  
-7.953 To 17.18 %



67

Incident Energy (eV)

68-Er-169



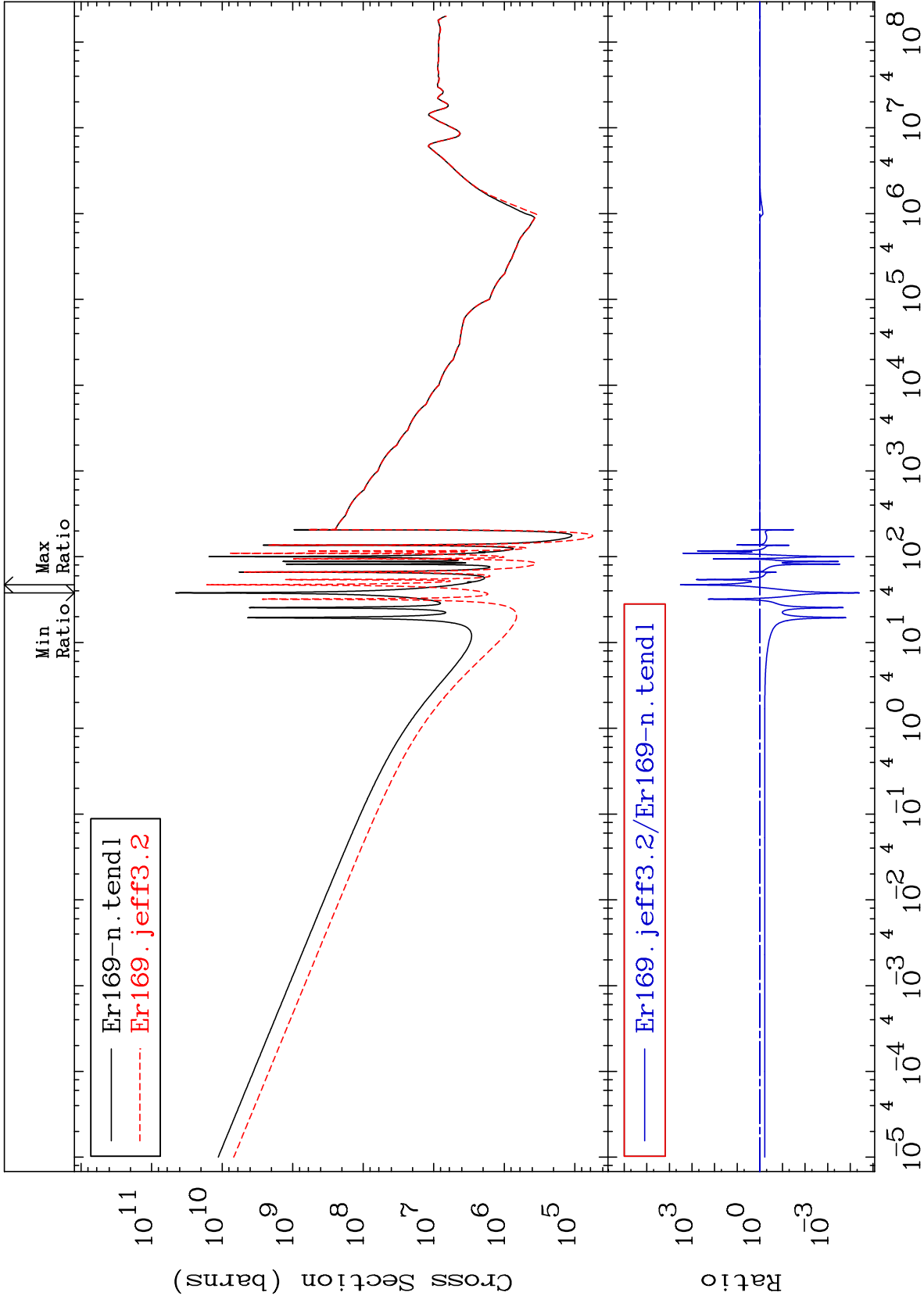
MAT 6846

Total photon (eV-barns)

68-Er-169

Cross Section

-100.0 To 9999. %



69

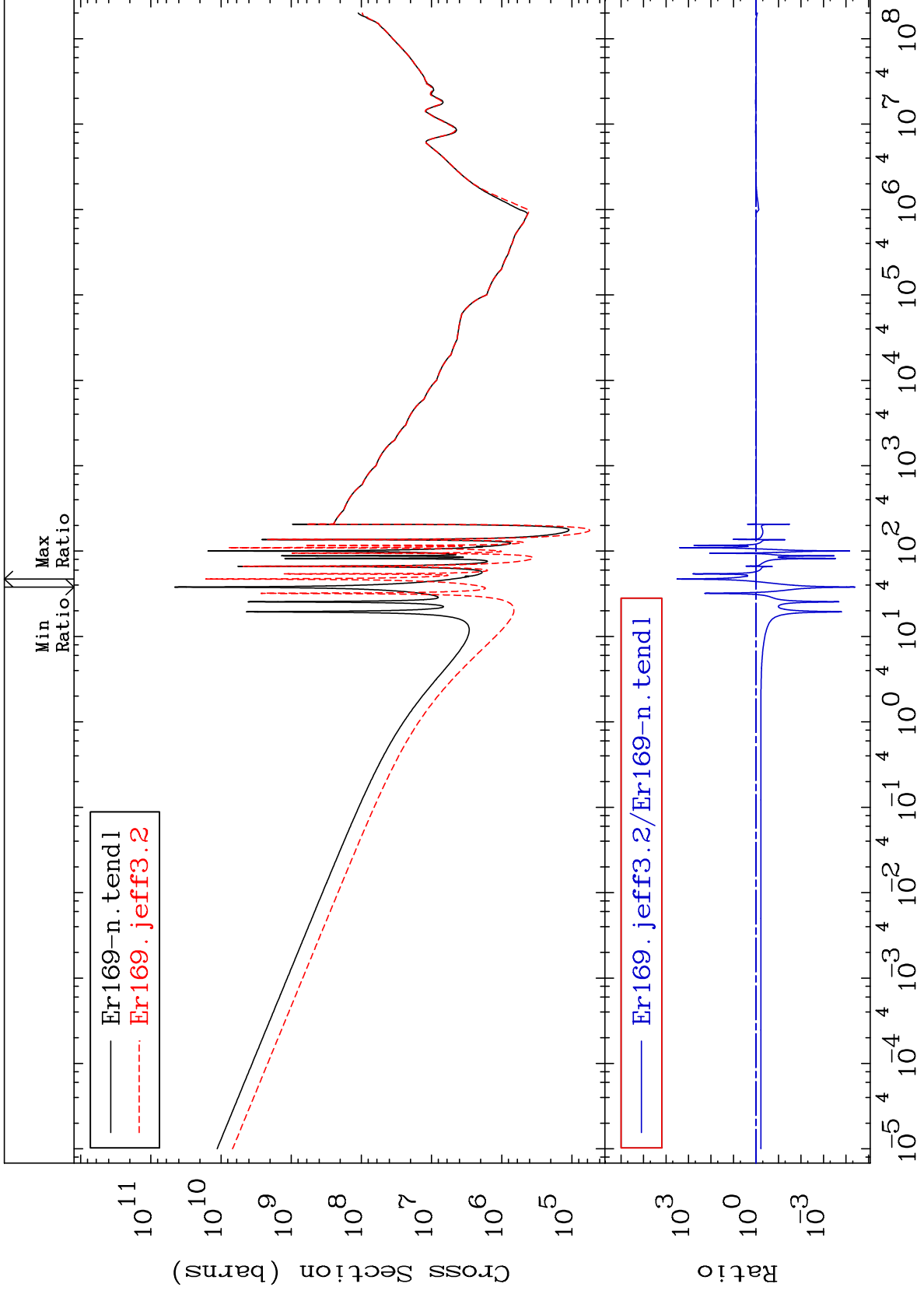
Incident Energy (eV)

68-Er-169

MAT 6846

Total kinematic kerma (high limit)  
Cross Section

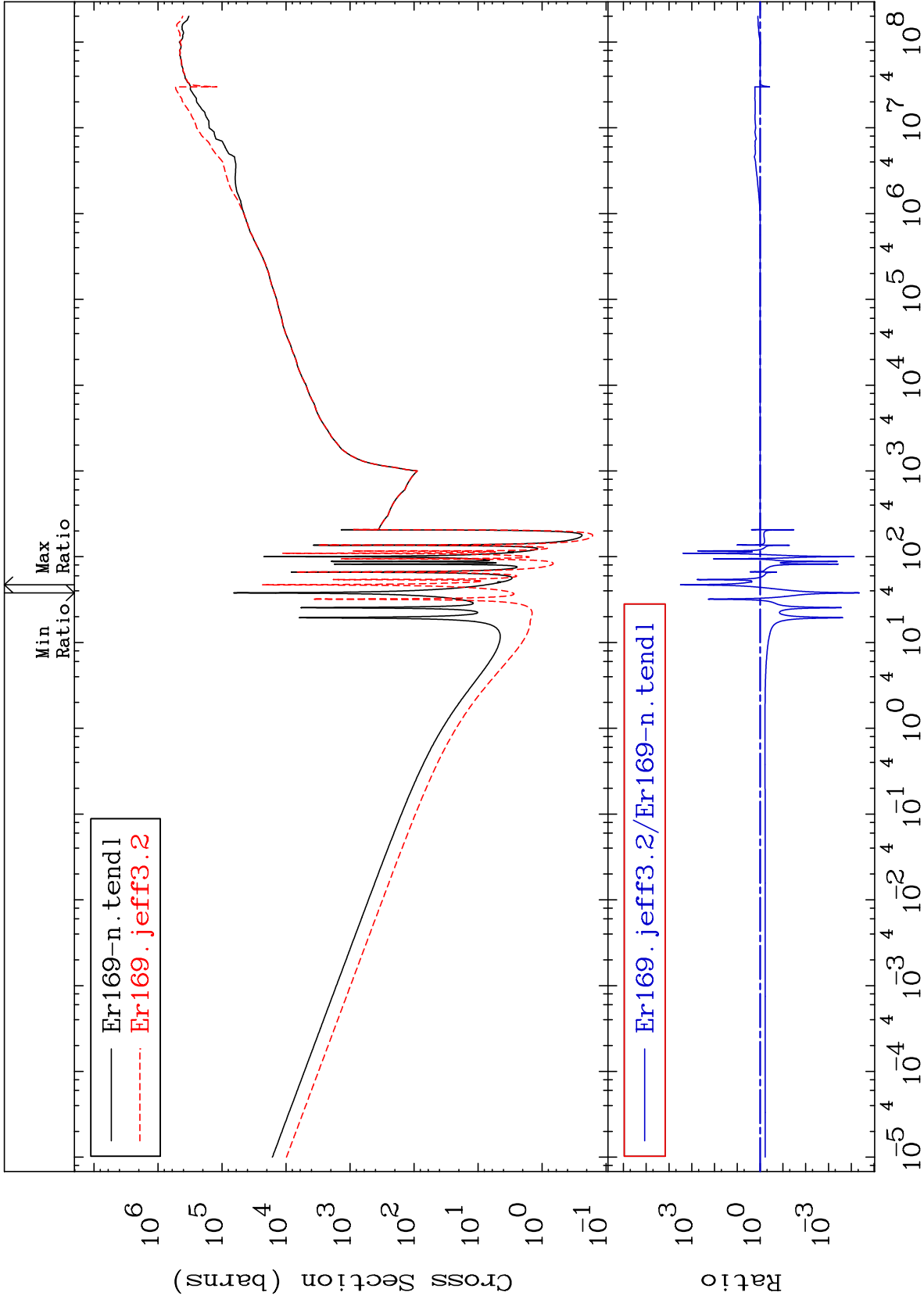
68-Er-169  
-100.0 To 9999. %

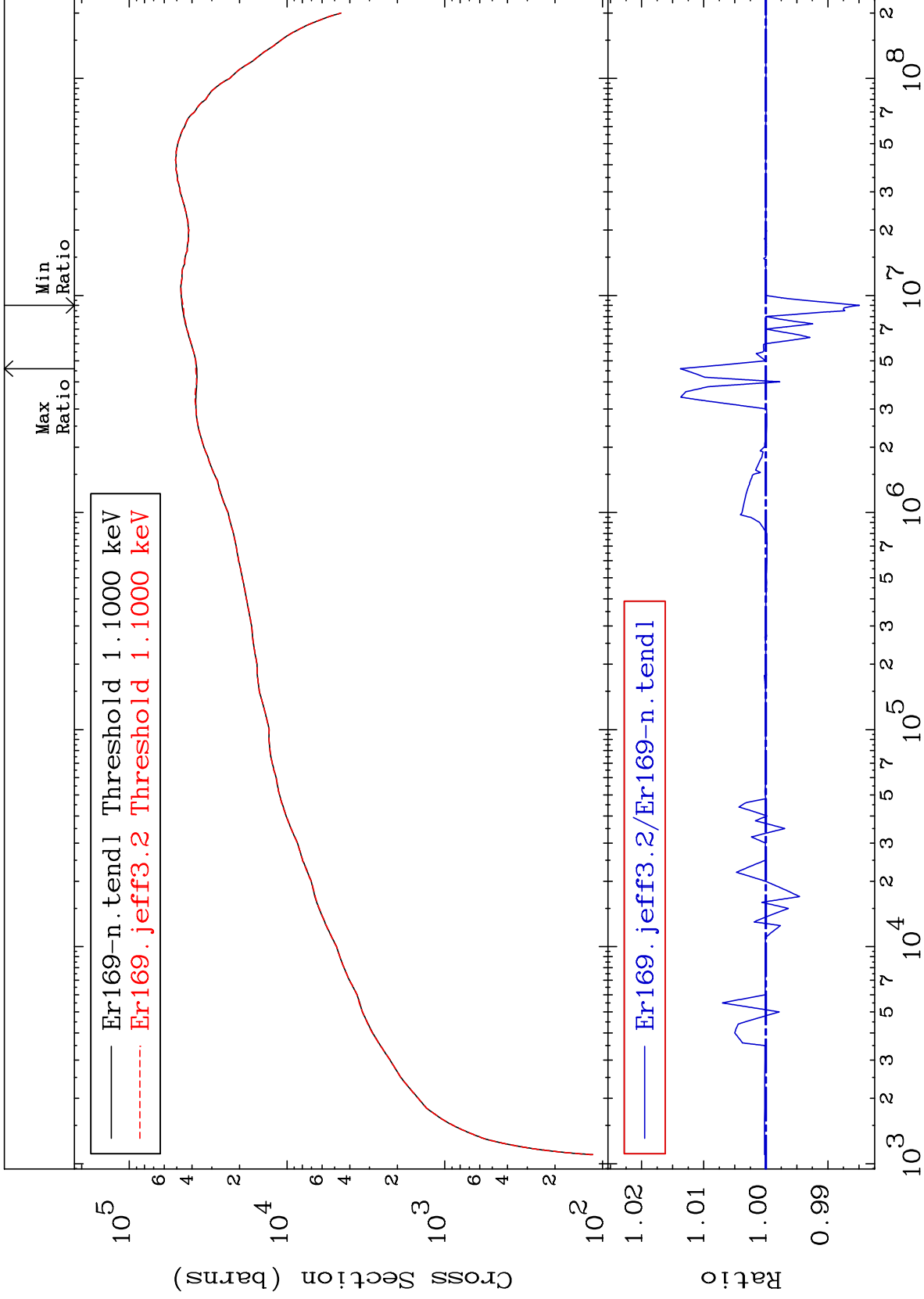


70

Incident Energy (eV)

68-Er-169



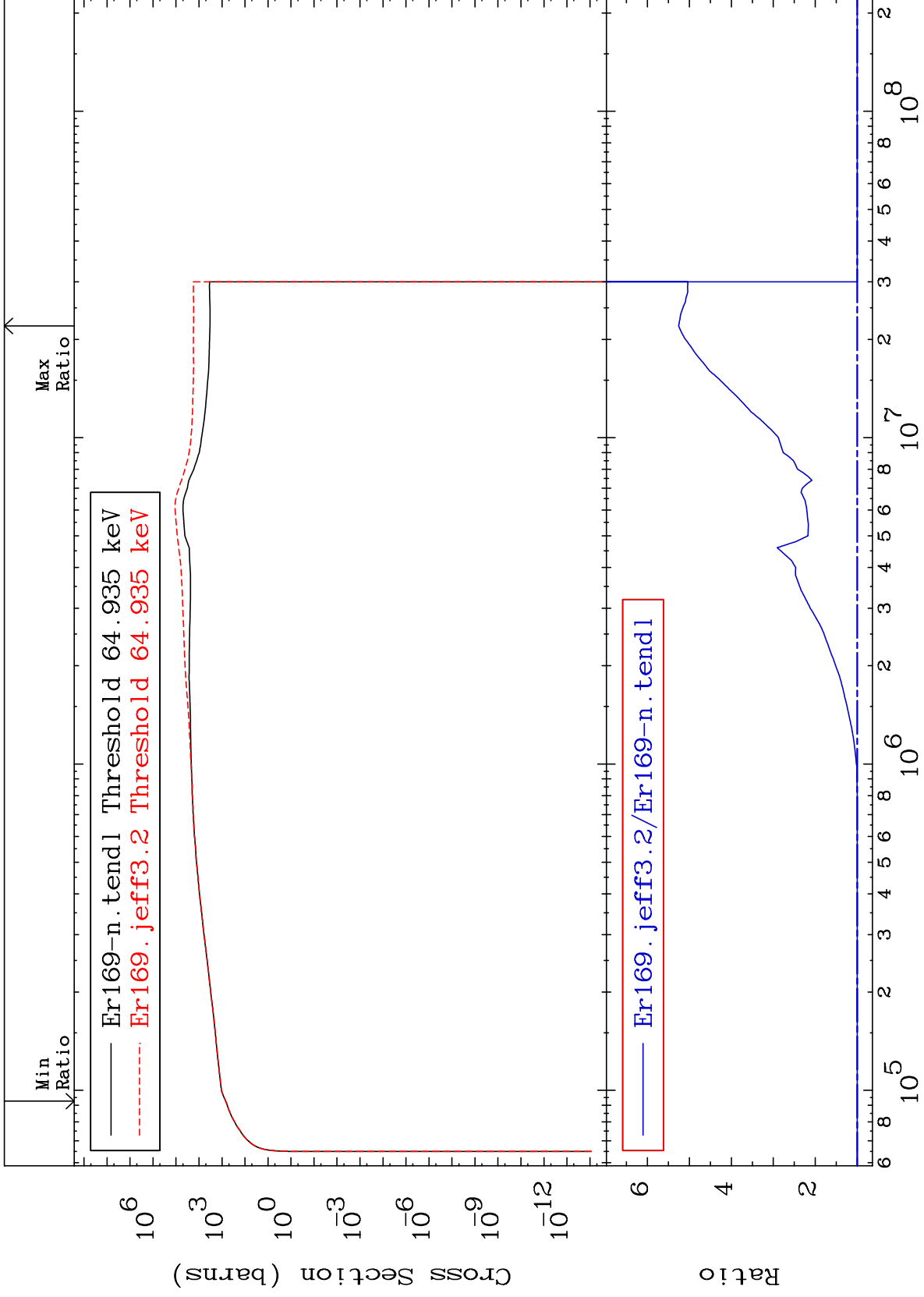




MAT 6846

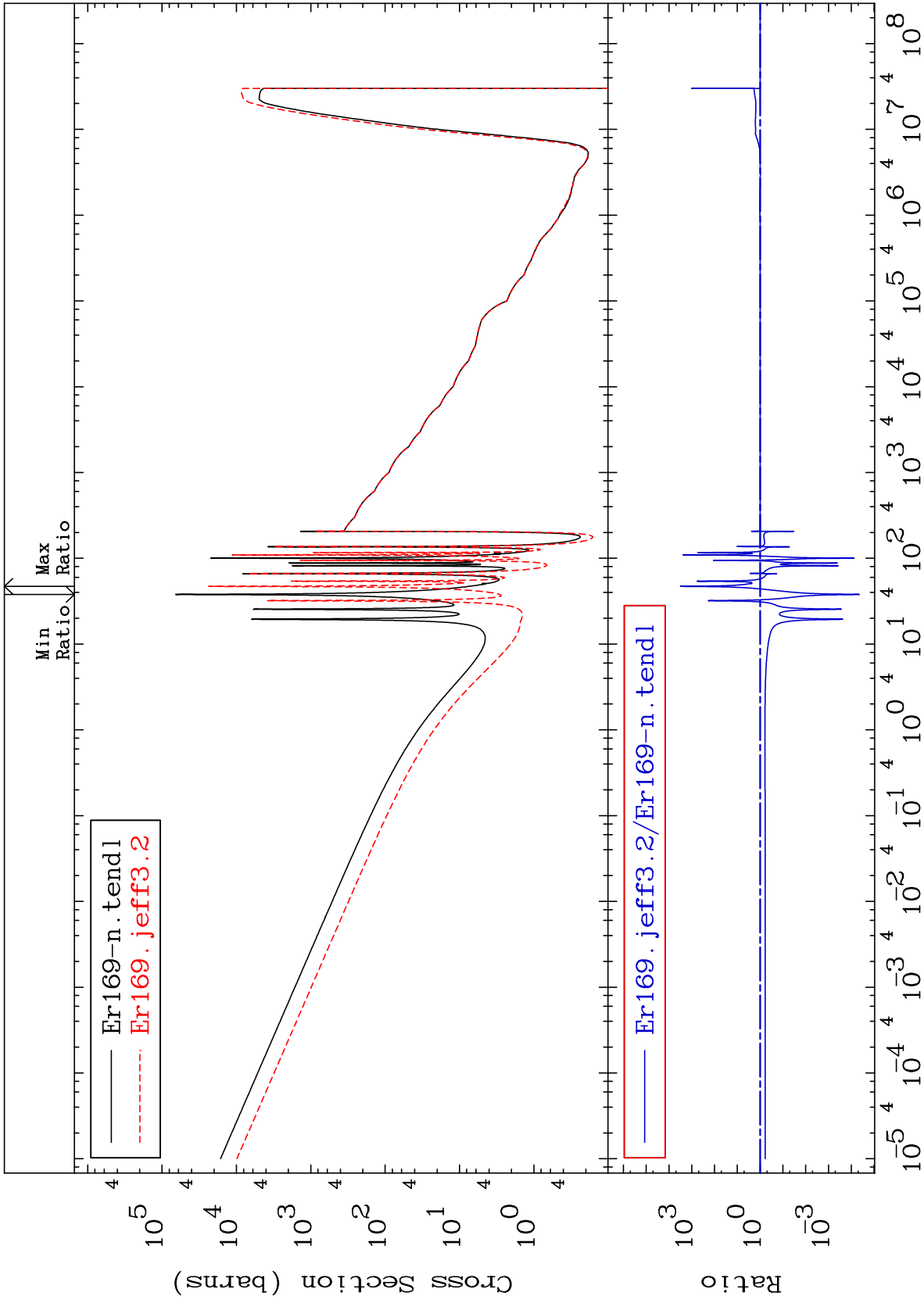
Dpa inelastic (mt51-91)  
Cross Section

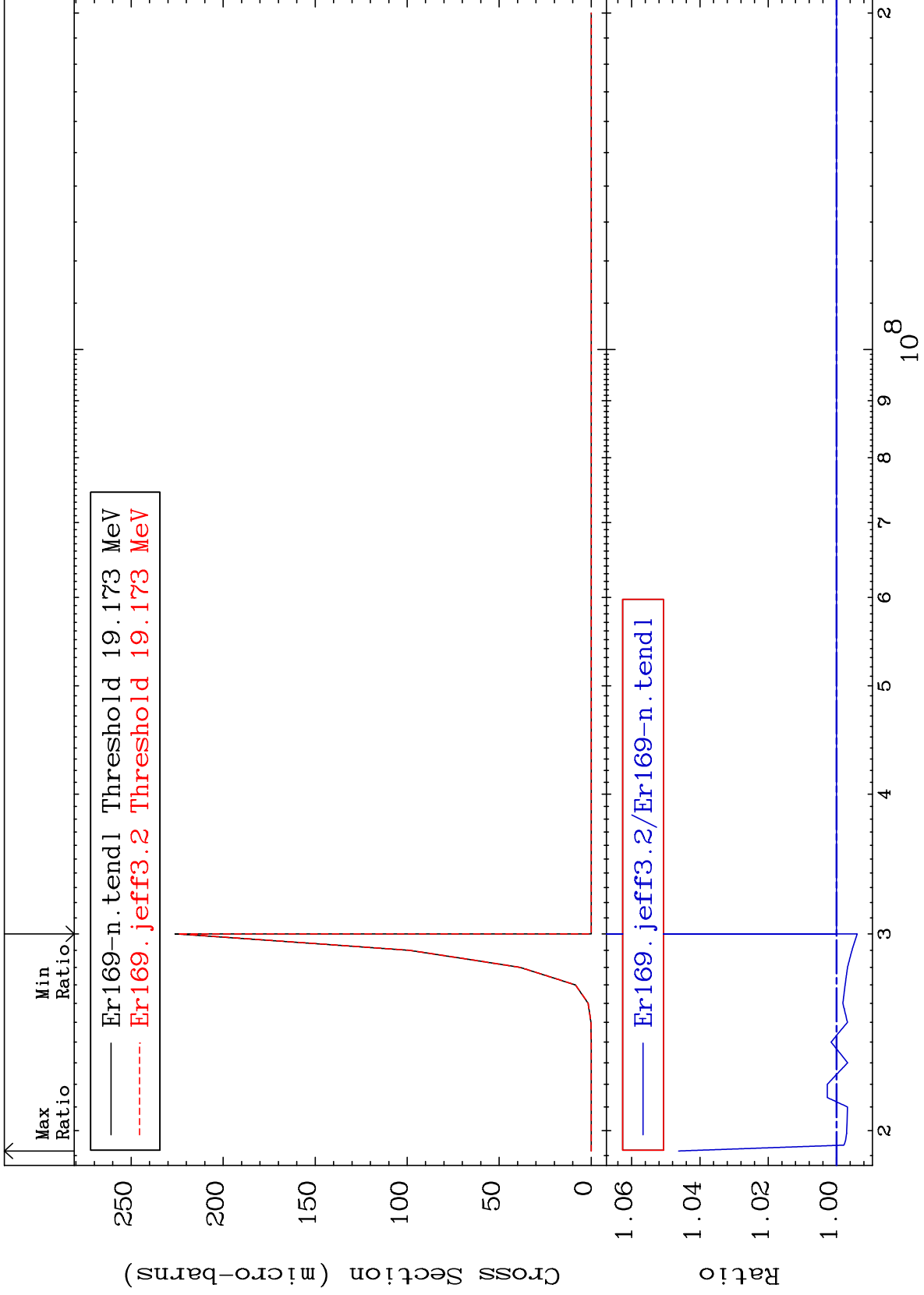
68-Er-169  
-0.076 To 425.7 %



73

68-Er-169



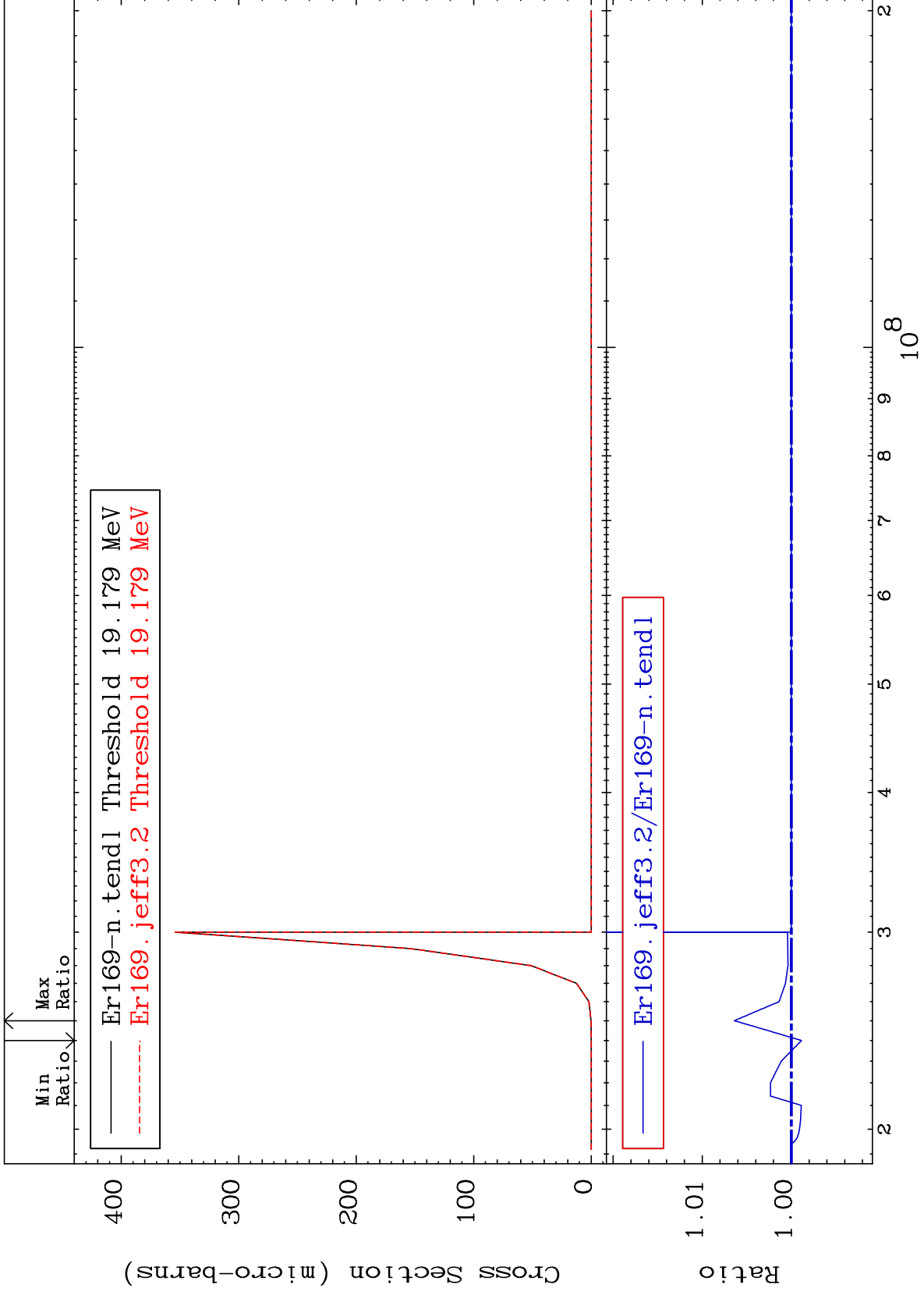


MAT 6846

(n,2n) d:67-Ho-166m1

68-Er-169

Radionuclide Production Cross Section -0.115 To 0.639 %

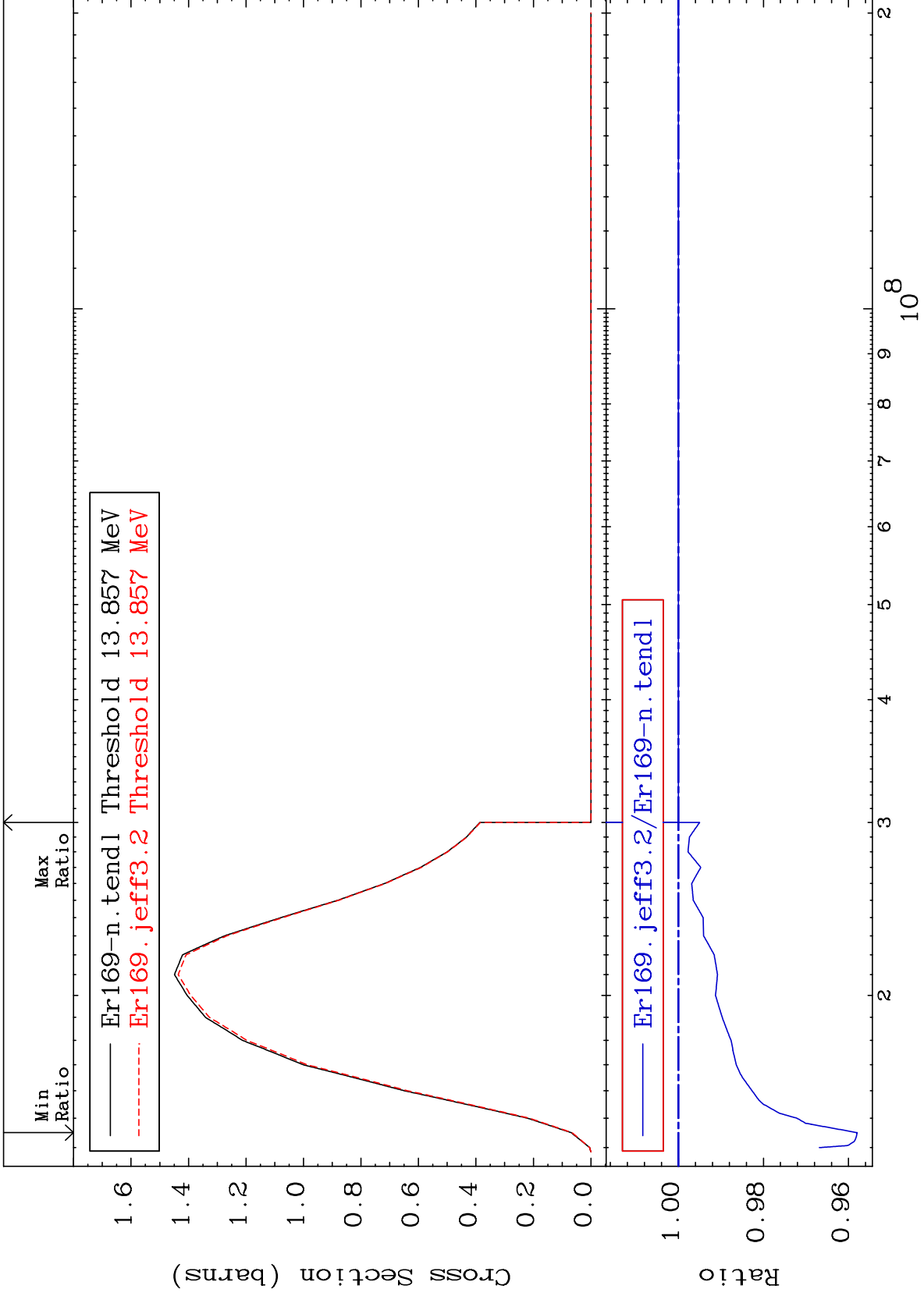


76

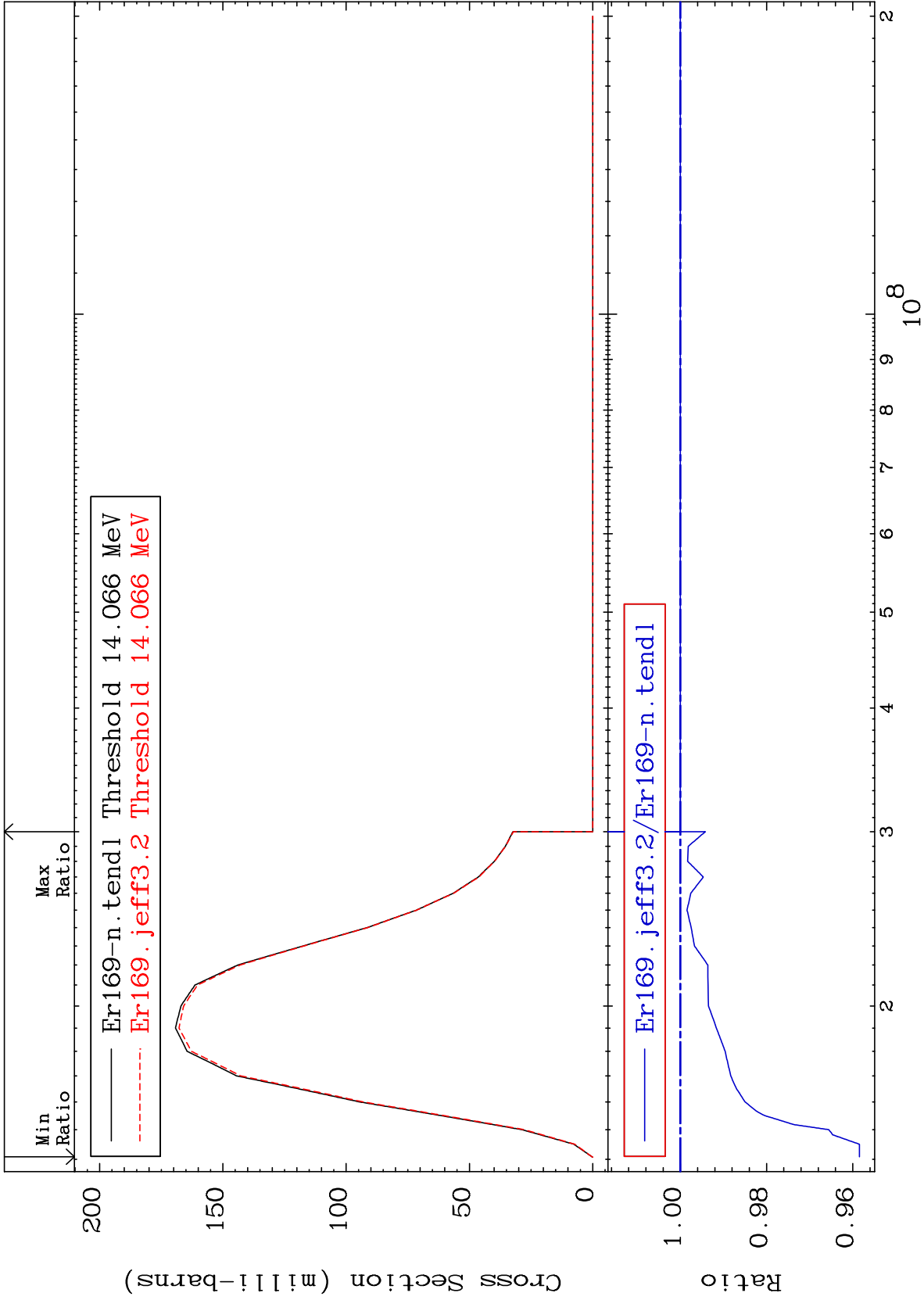
Incident Energy (eV)

68-Er-169

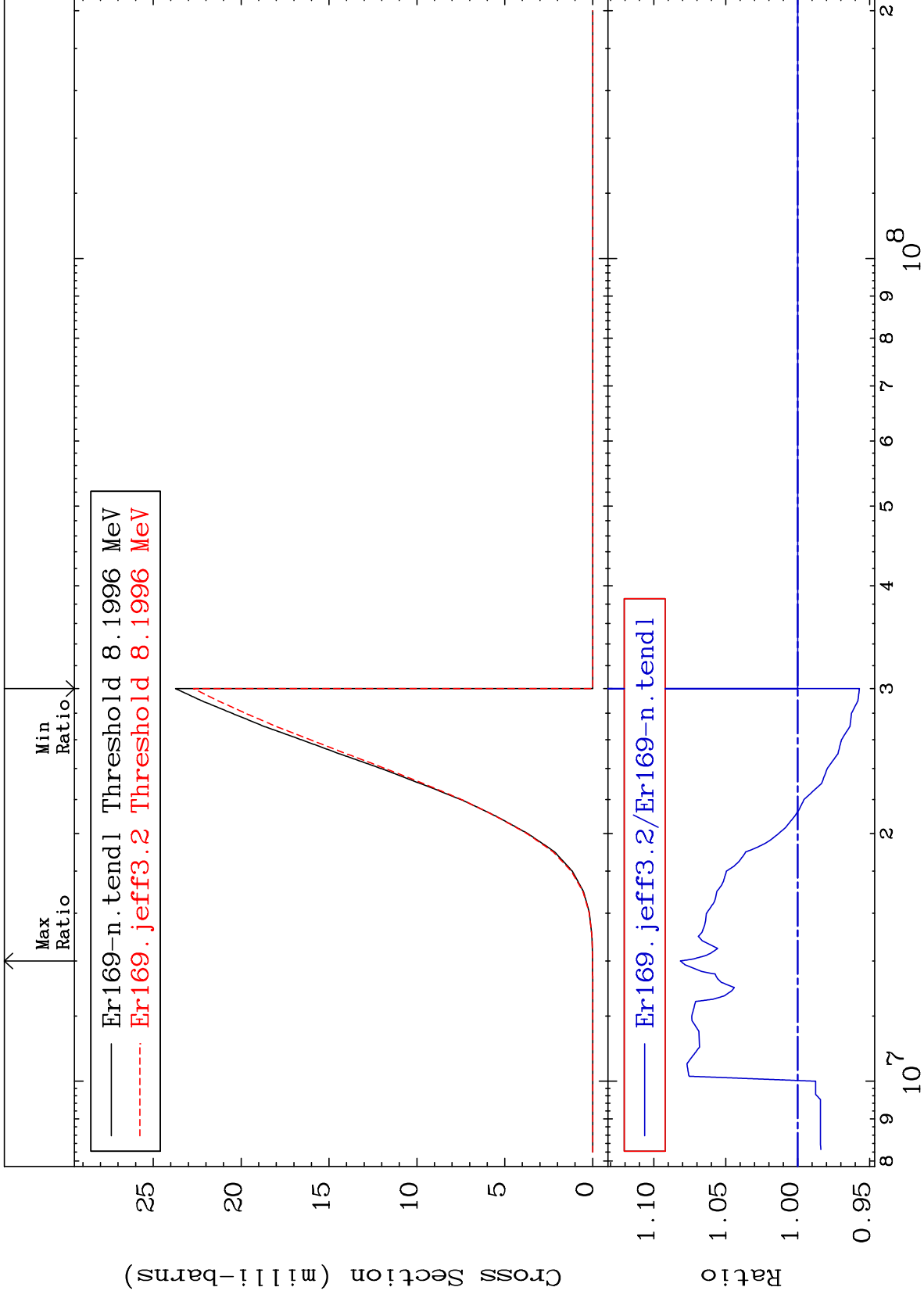
Radionuclide Production Cross Section -4.204 To 0.000 %



Radionuclide Production Cross Section -4.155 To 0.000 %



Radionuclide Production Cross Section -4.290 To 8.155 %

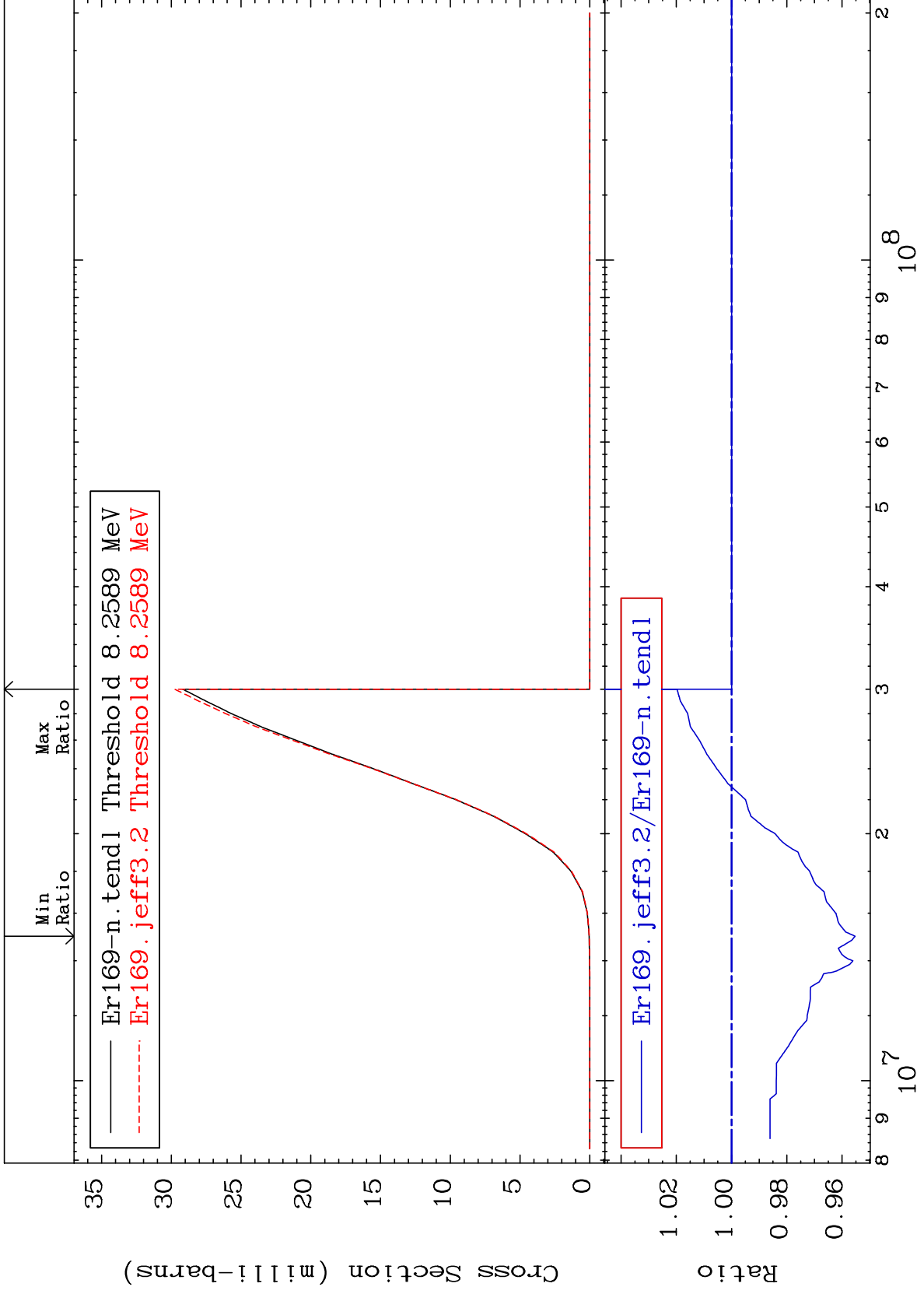


MAT 6846

(n, n') p:67-Ho-168m1

68-Er-169

Radionuclide Production Cross Section -4.471 To 1.979 %

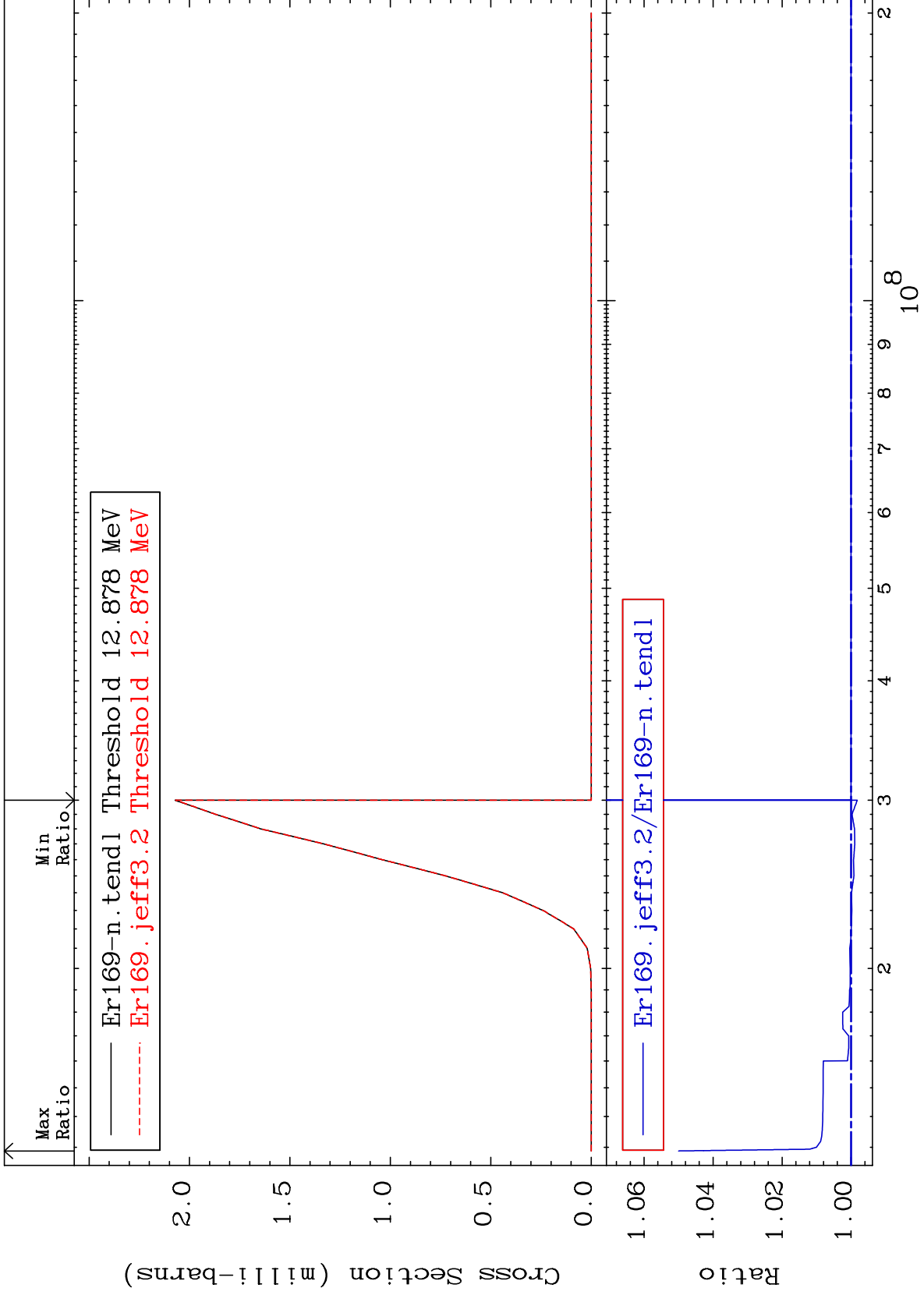


80

Incident Energy (eV)

68-Er-169



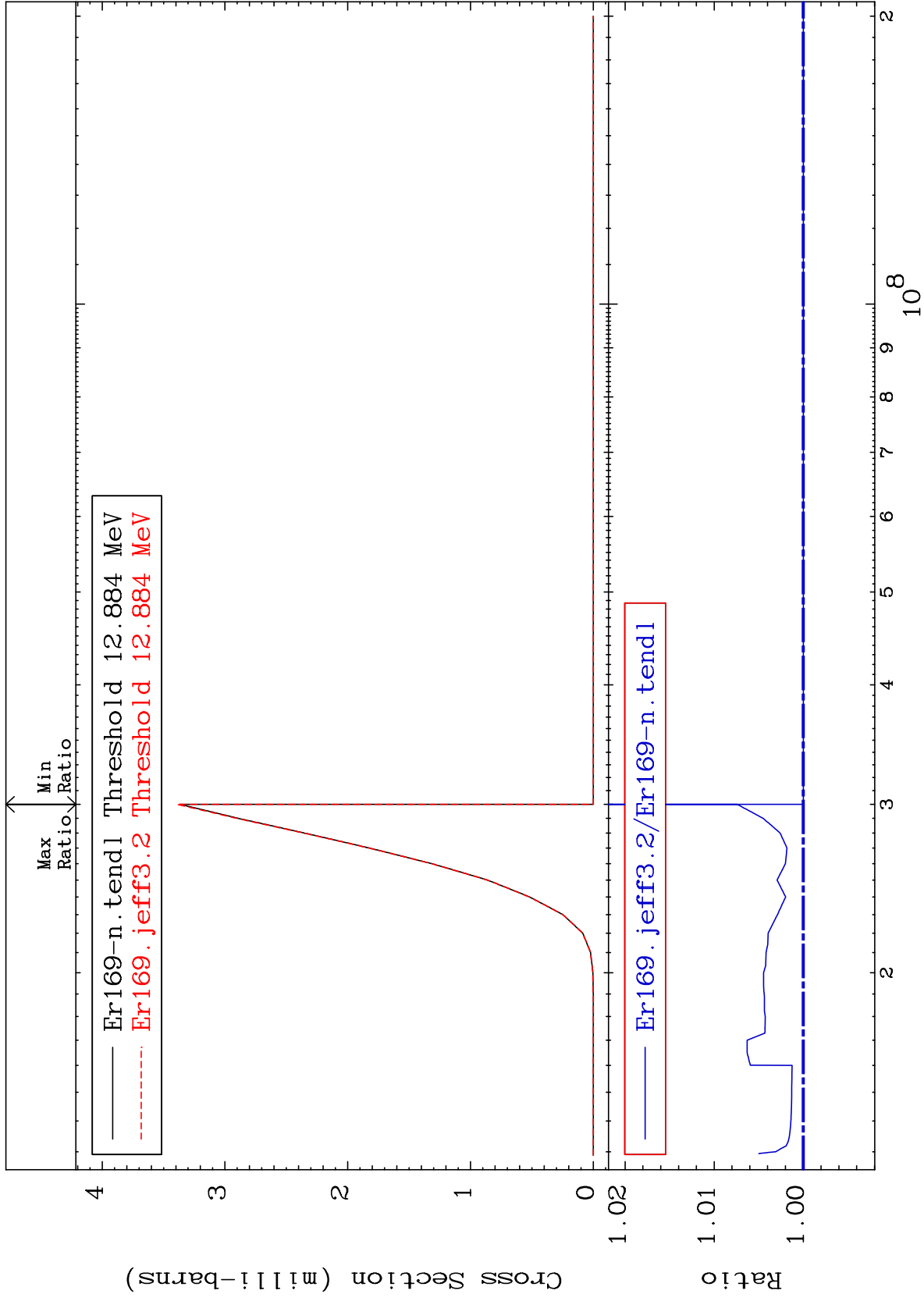


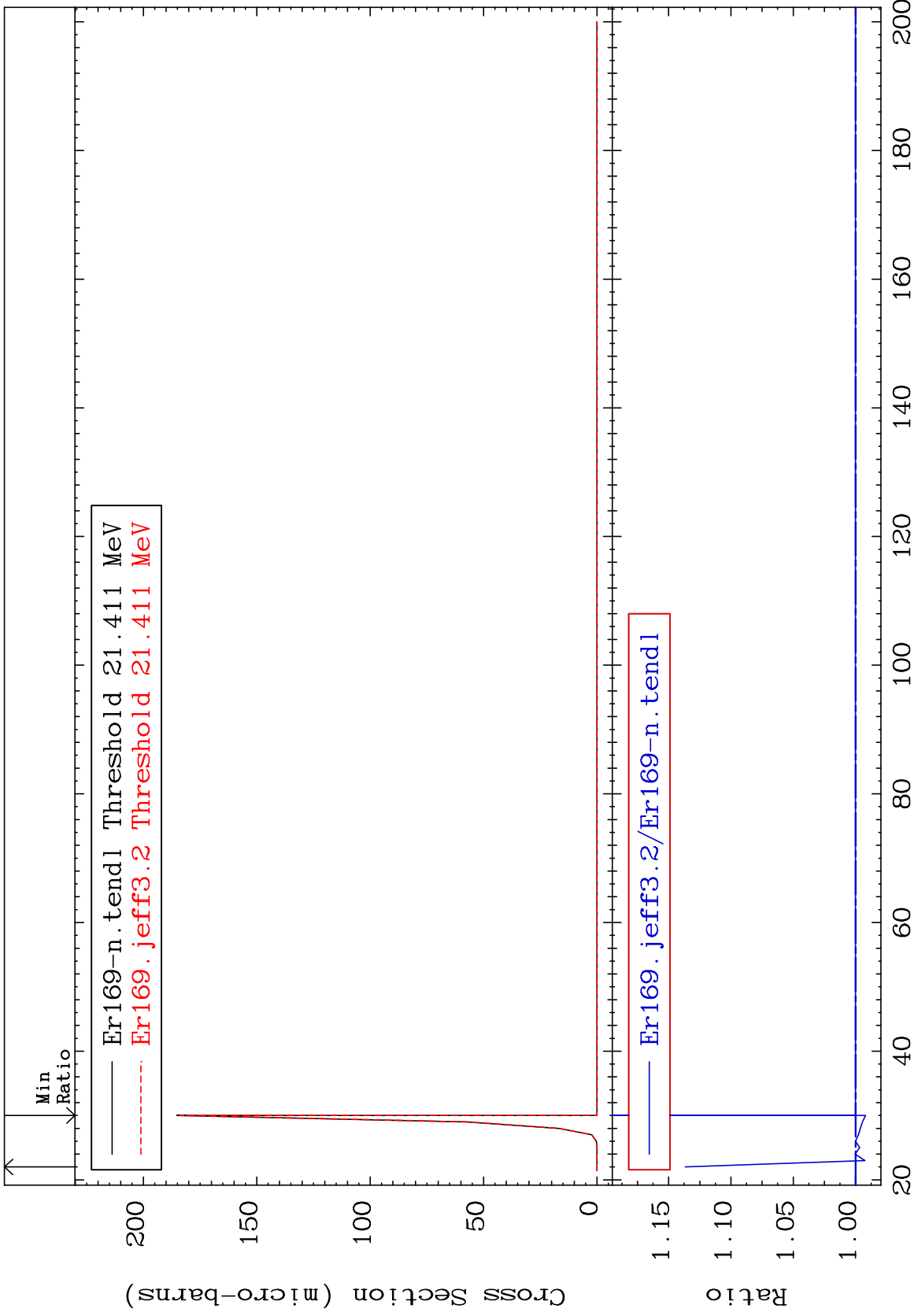
MAT 6846

(n, n') t:67-Ho-166m1

68-Er-169

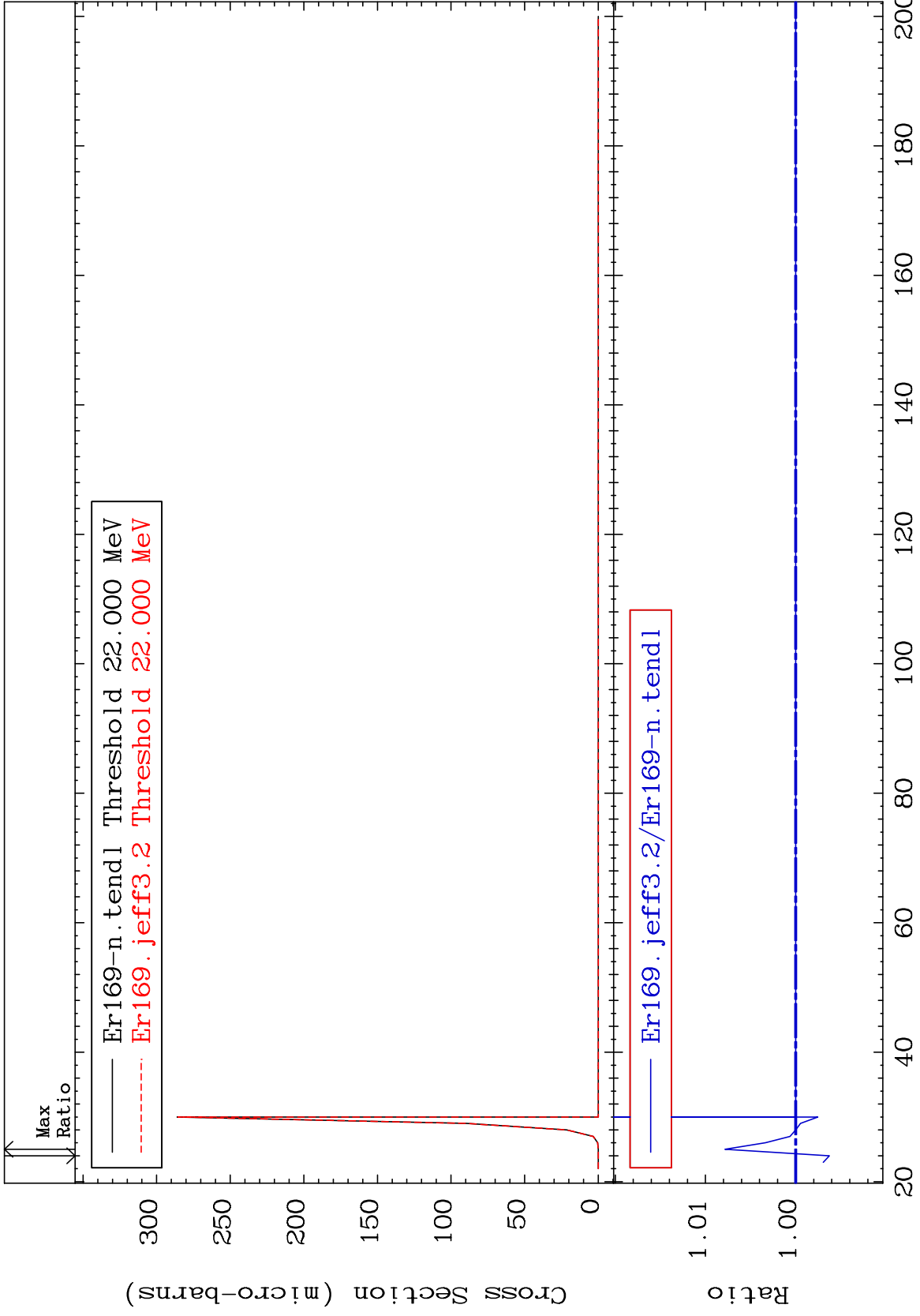
Radionuclide Production Cross Section 0.000 To 0.743 %

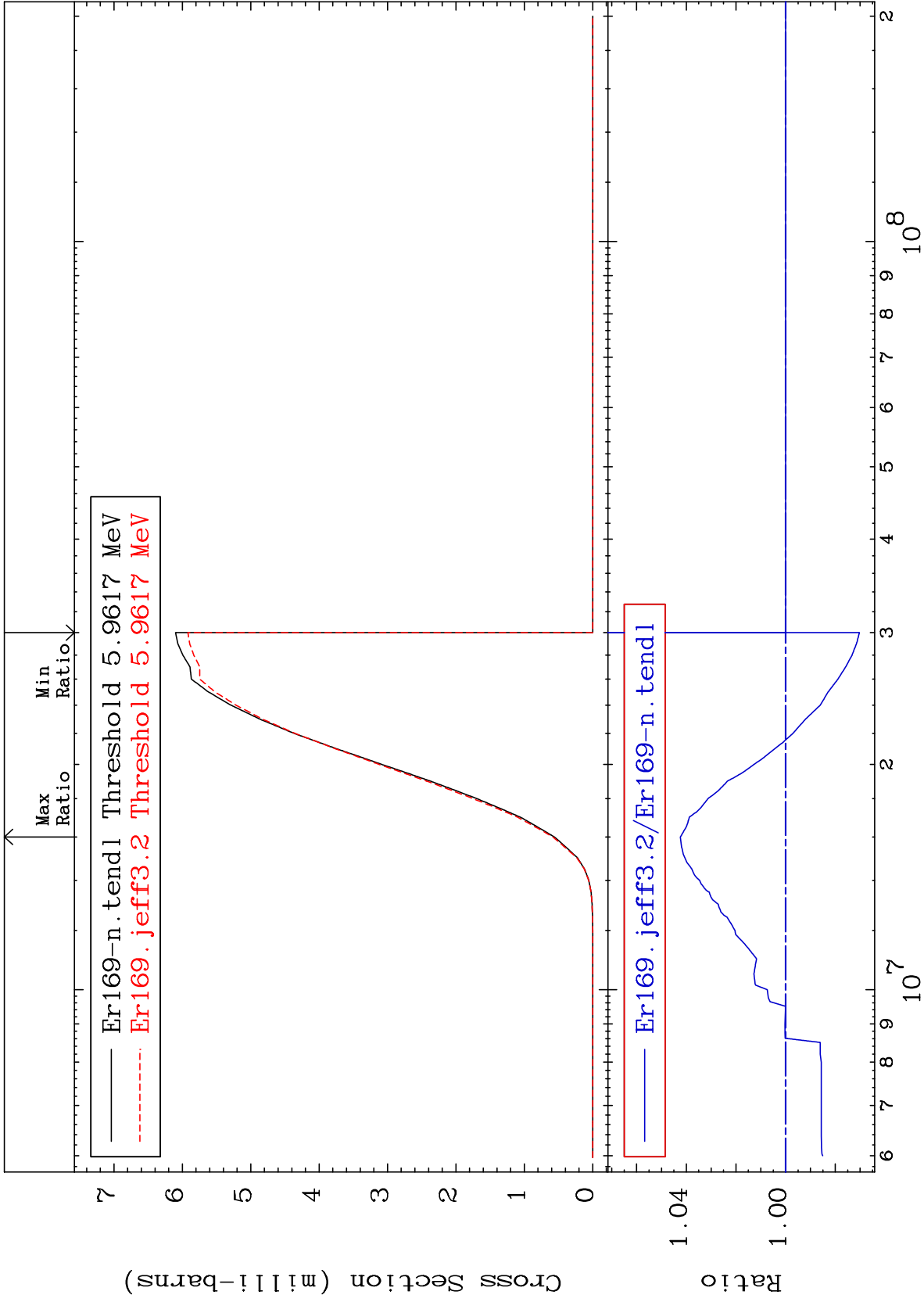




Radionuclide Production Cross Section

-0.373 To 0.784 %





Radionuclide Production Cross Section -22.46 To 2.686 %

