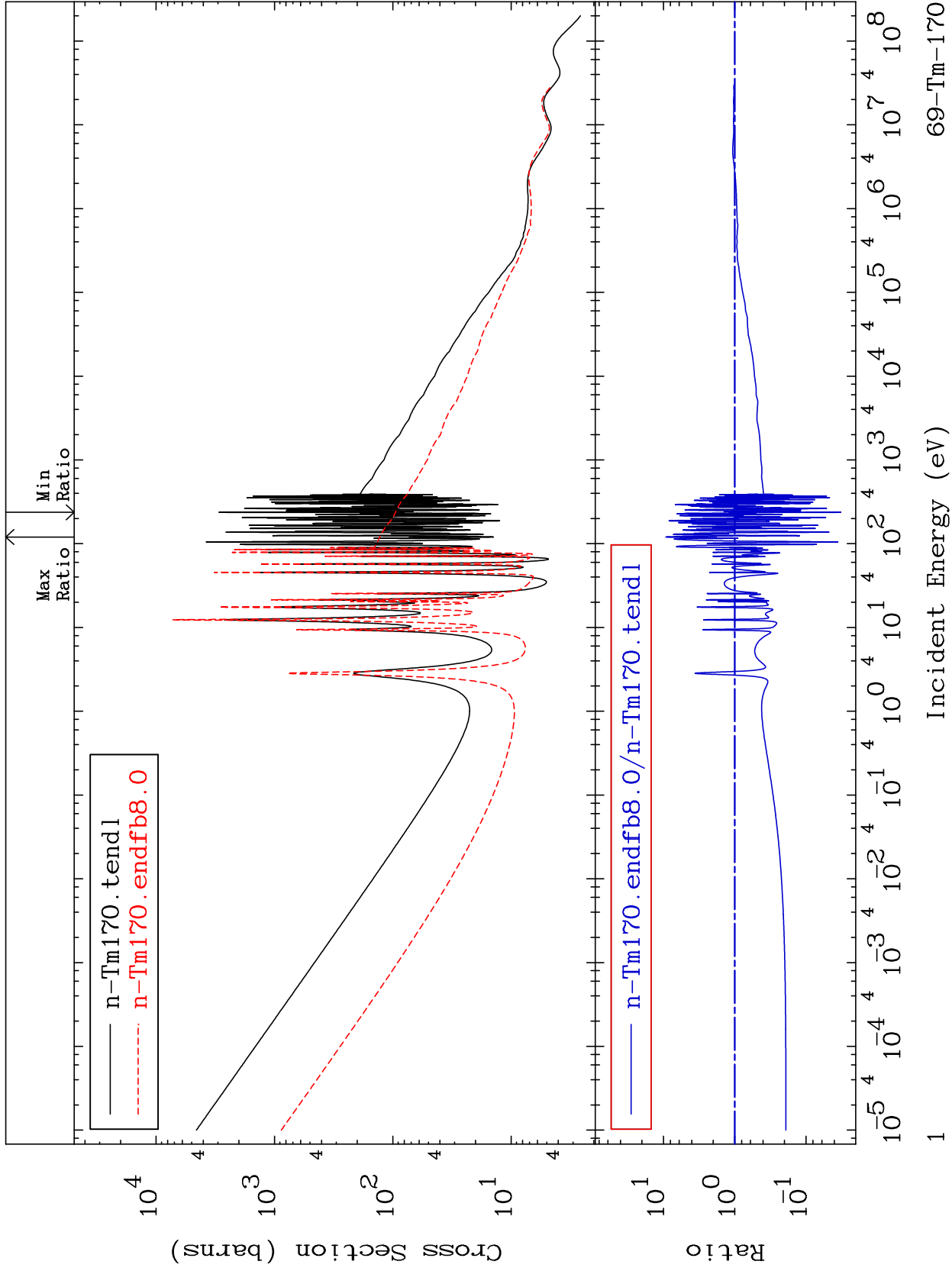


MAT 6928

Total Cross Section  
69-Tm-170  
-96.76 To 821.4 %

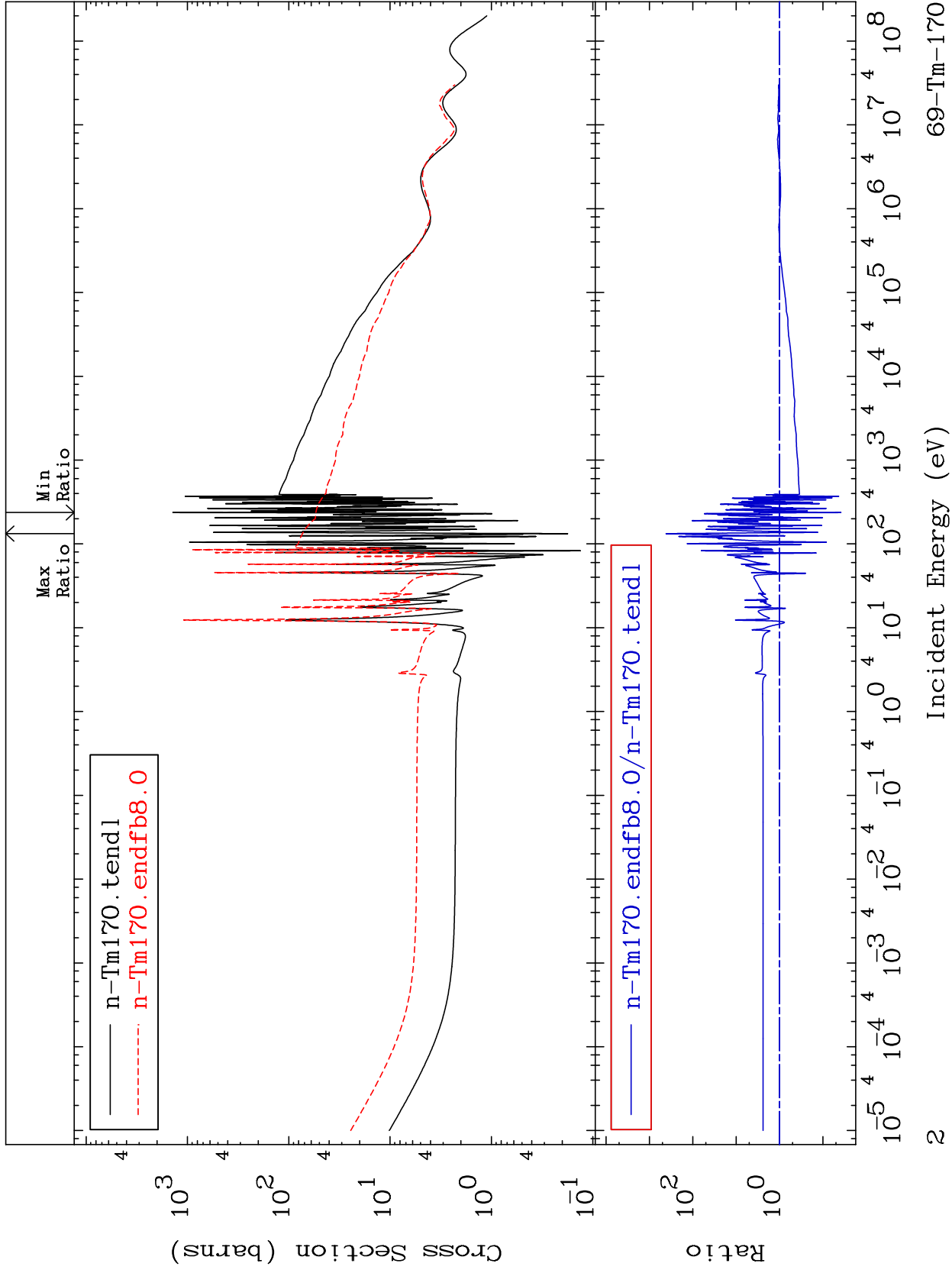


69-Tm-170

MAT 6928

Elastic  
Cross Section

69-Tm-170  
-96.12 To 9999. %



69-Tm-170

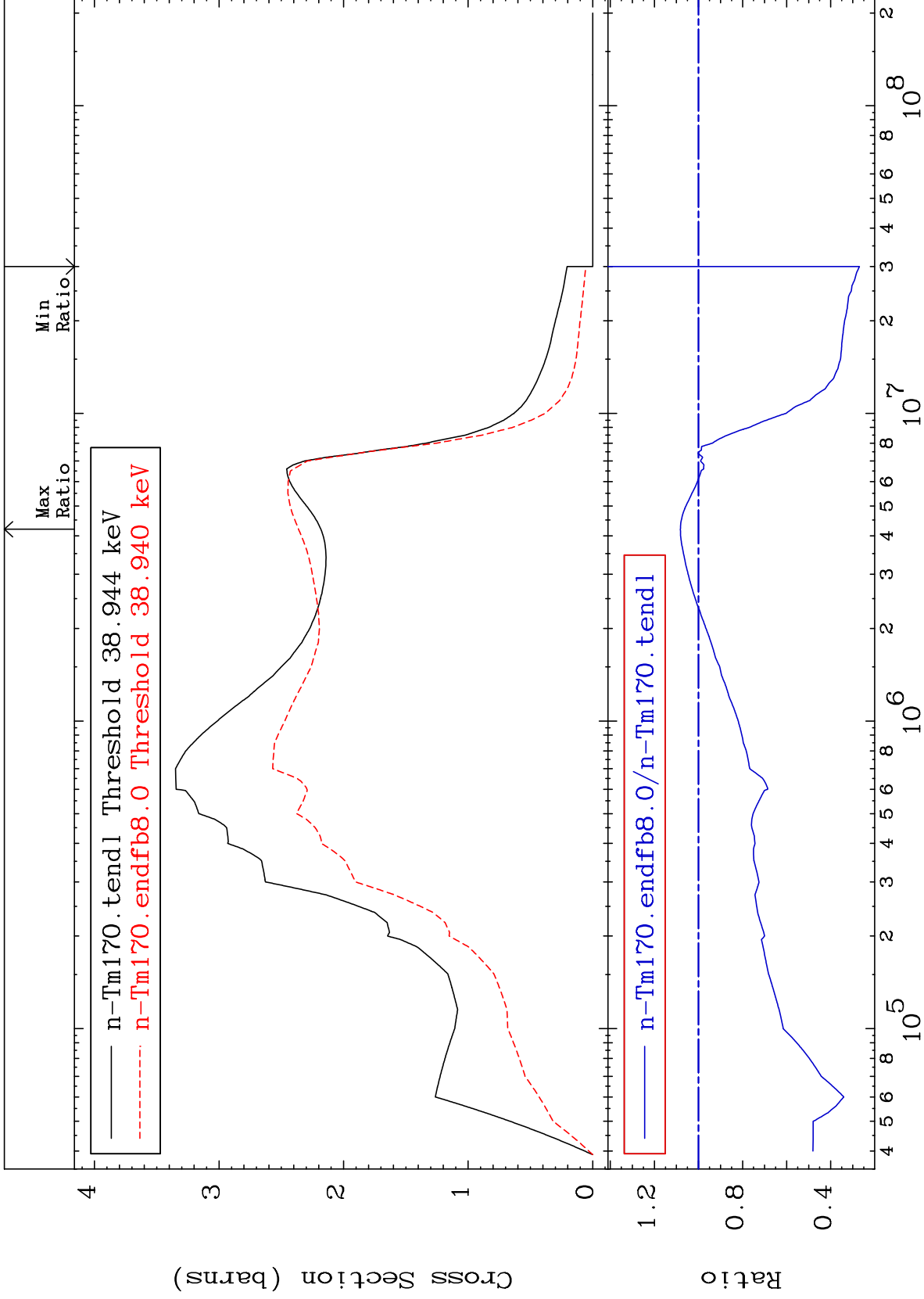
Incident Energy (eV)

2

MAT 6928

Inelastic  
Cross Section

69-Tm-170  
-73.03 To 8.227 %



3

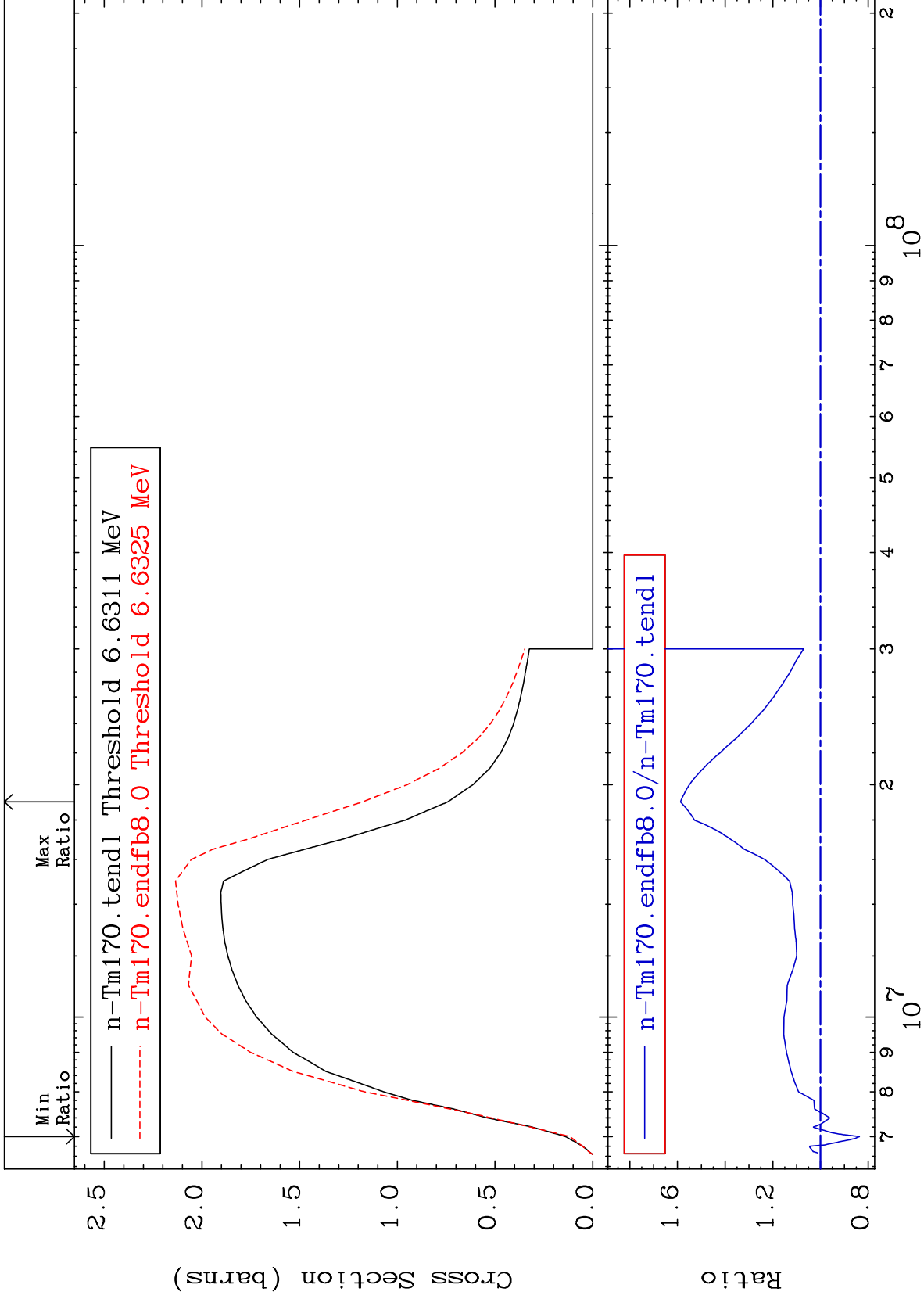
Incident Energy (eV)

69-Tm-170

MAT 6928

(n,2n)  
Cross Section

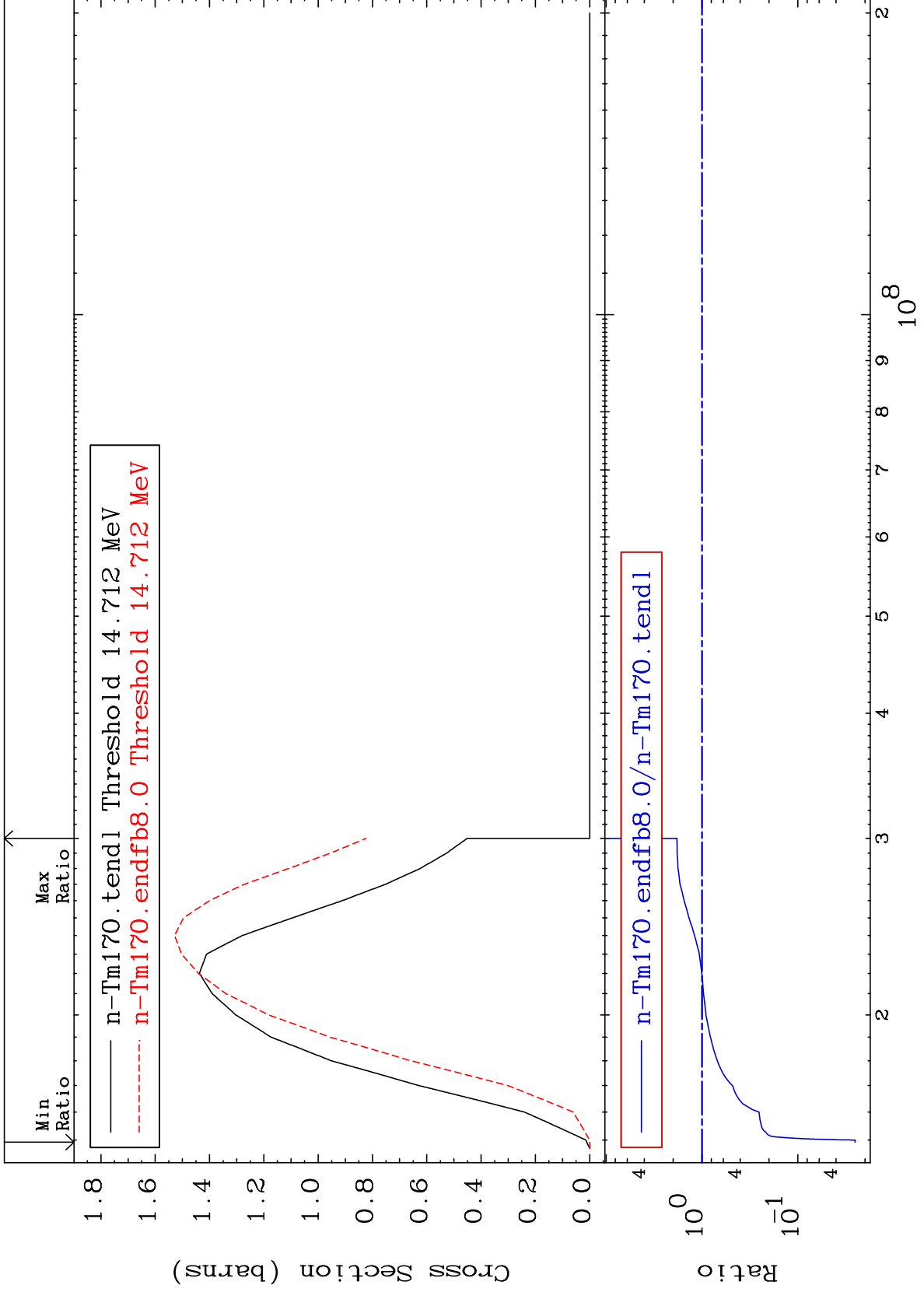
69-Tm-170  
-16.34 To 58.78 %



MAT 6928

(n,3n)  
Cross Section

69-Tm-170  
-97.47 To 82.41 %



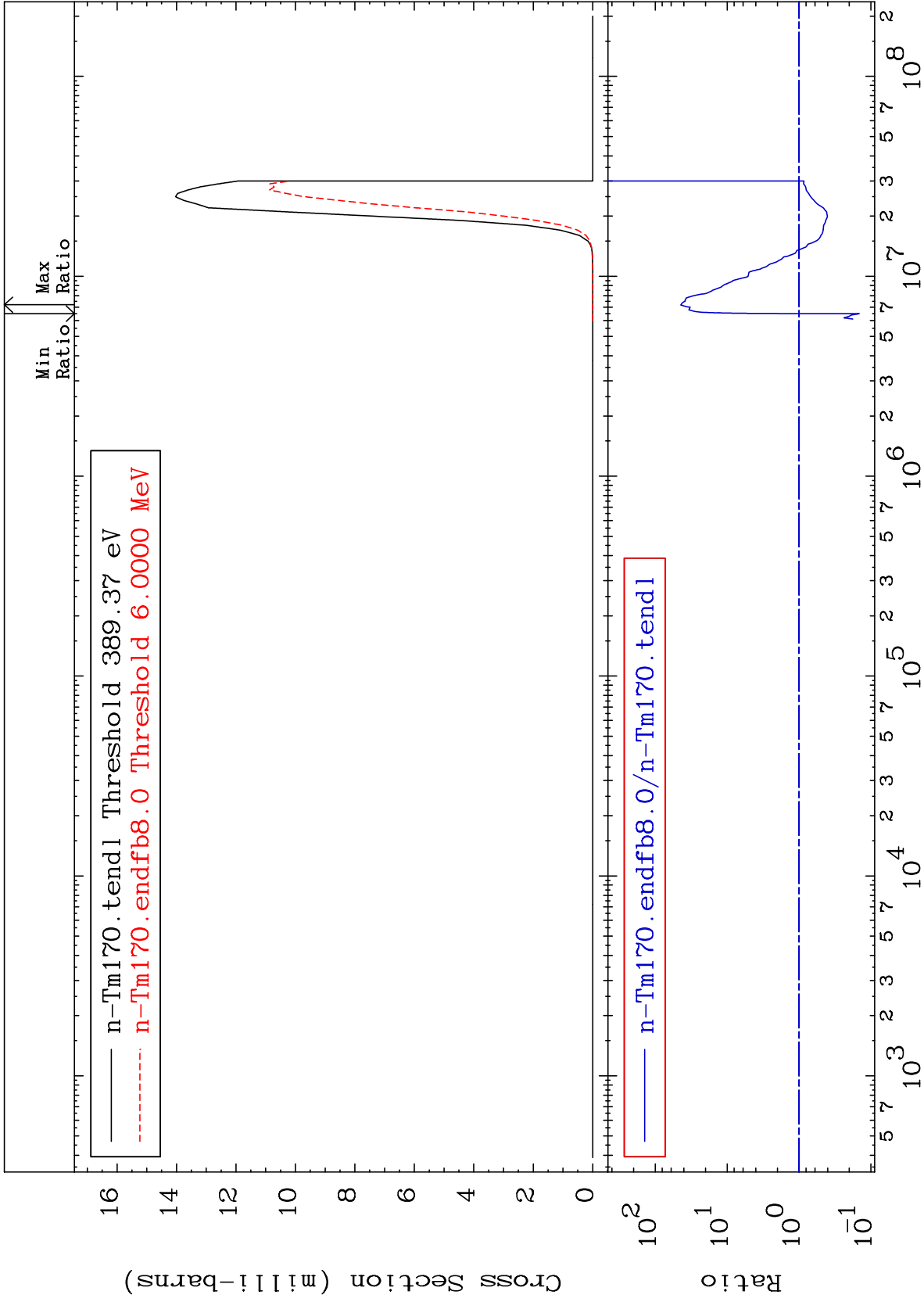
MAT 6928

(n, n')  $\alpha$

69-Tm-170

Cross Section

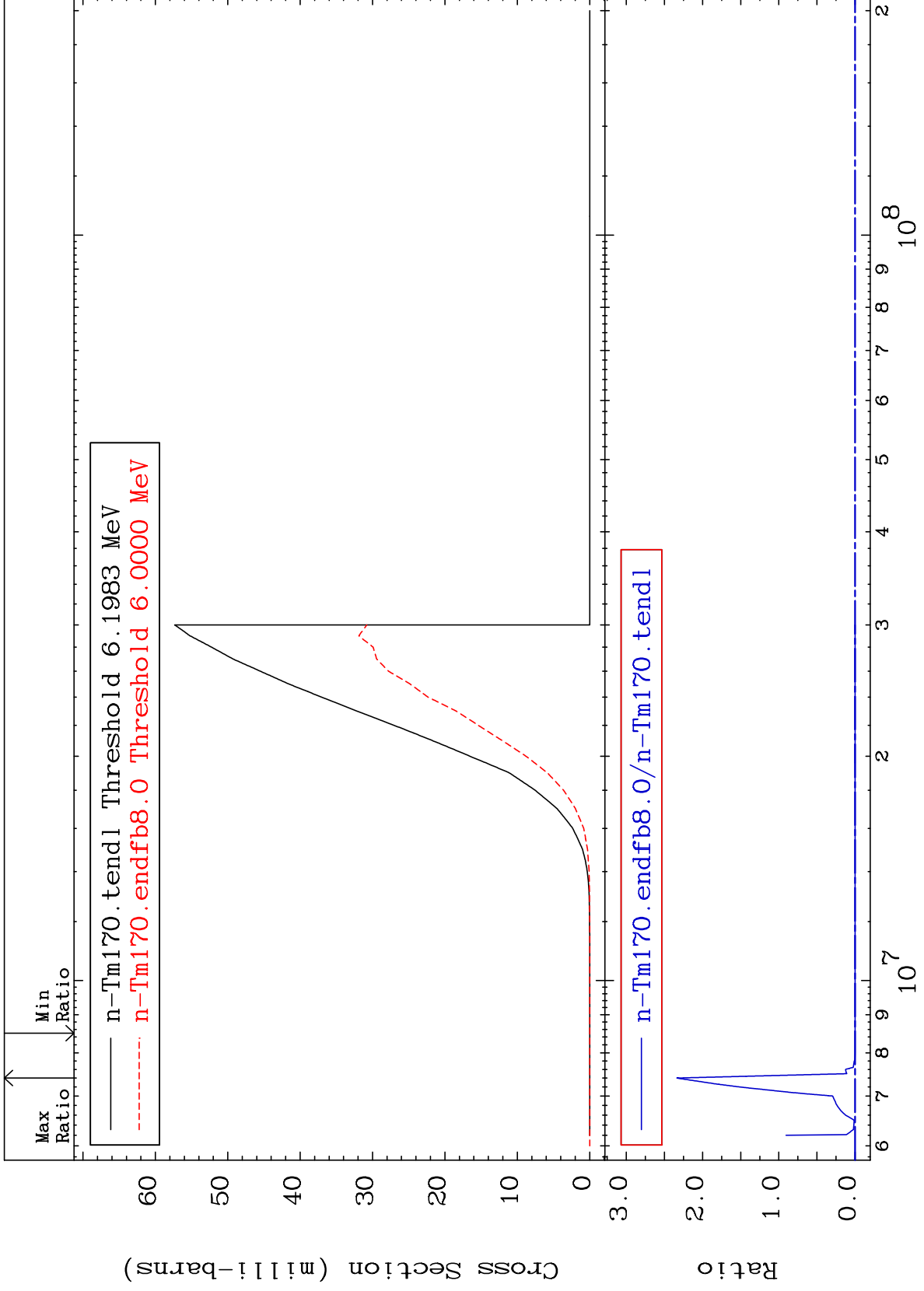
-85.54 To 4379. %



MAT 6928

(n,n') p  
Cross Section

69-Tm-170  
-100.0 To 9999. %



7

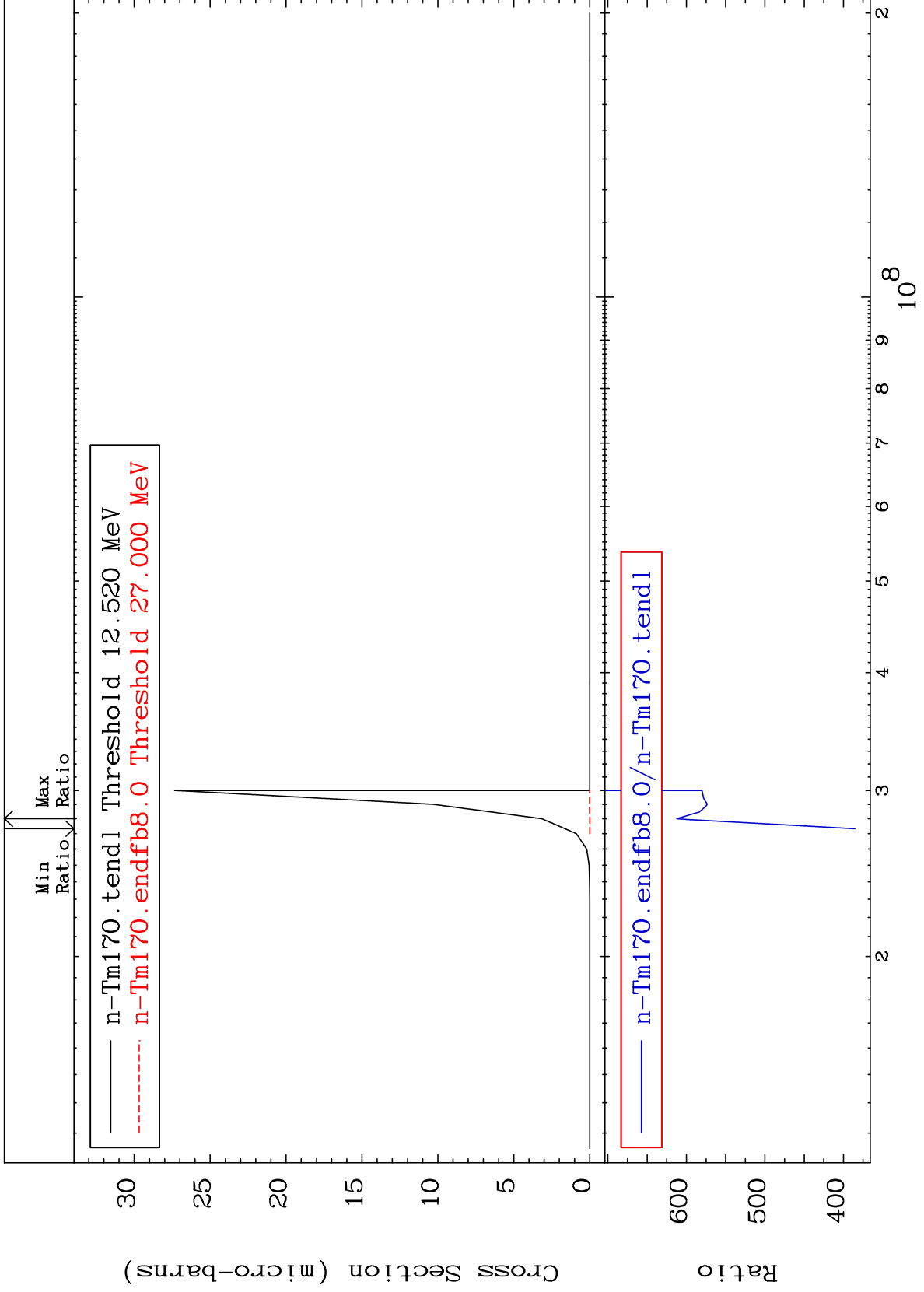
Incident Energy (eV)

69-Tm-170

MAT 6928

(n, n') He-3  
Cross Section

69-Tm-170  
-99.96 To -99.94%

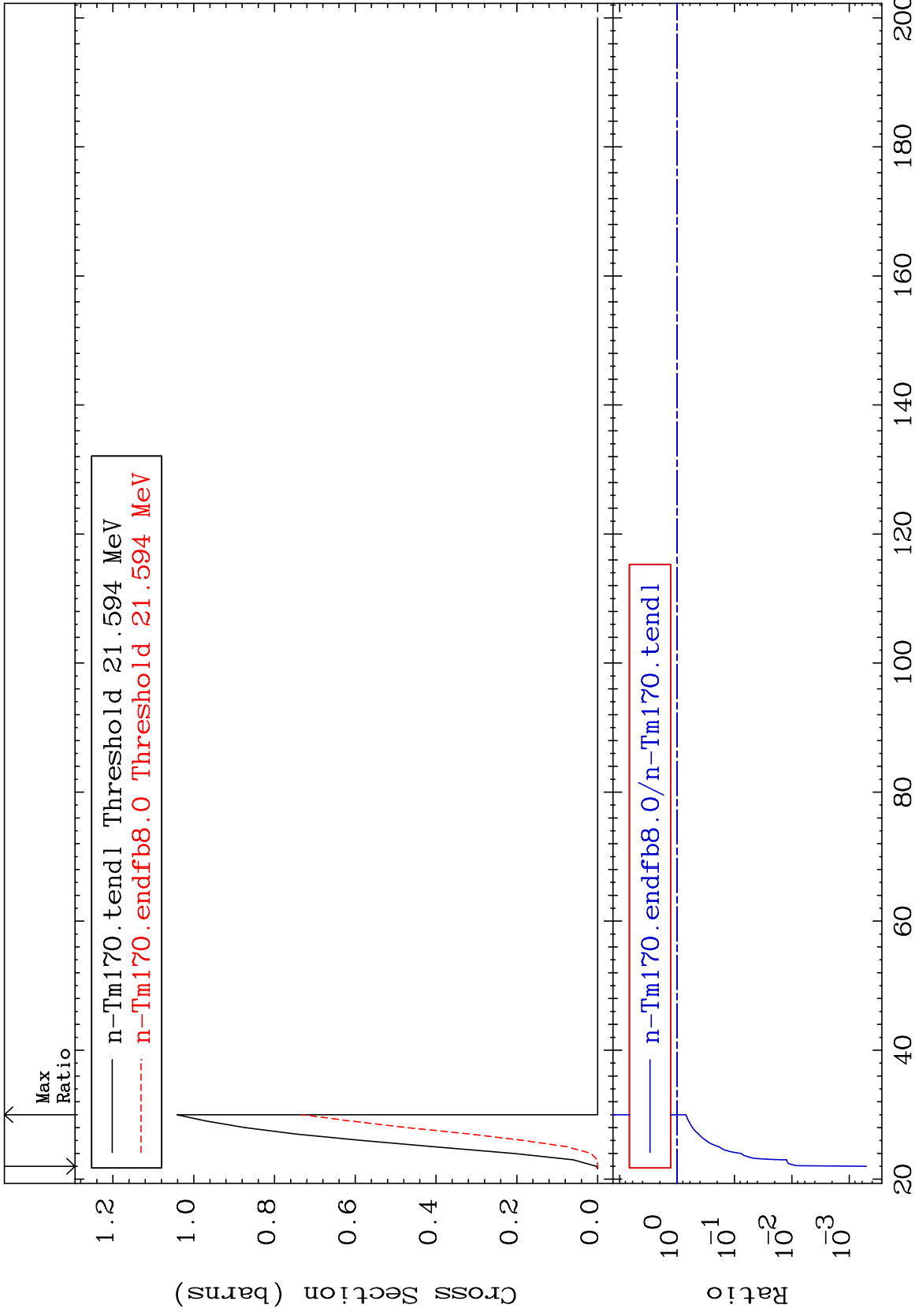




MAT 6928

(n,4n)  
Cross Section

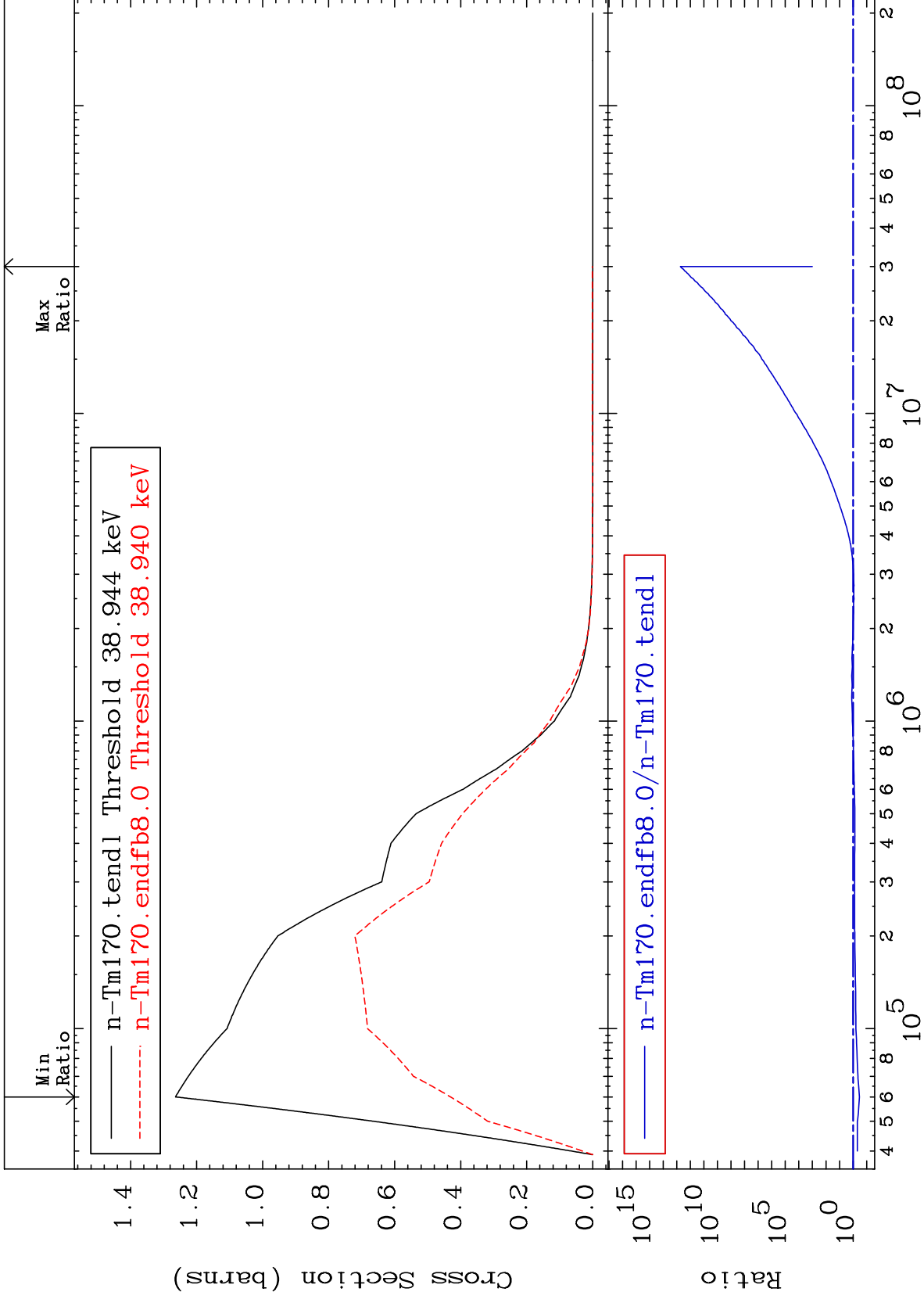
69-Tm-170  
-99.95 To -29.79%



MAT 6928

MT= 51 (n,n') Level  
Cross Section

69-Tm-170  
-65.93 To 9999. %



10

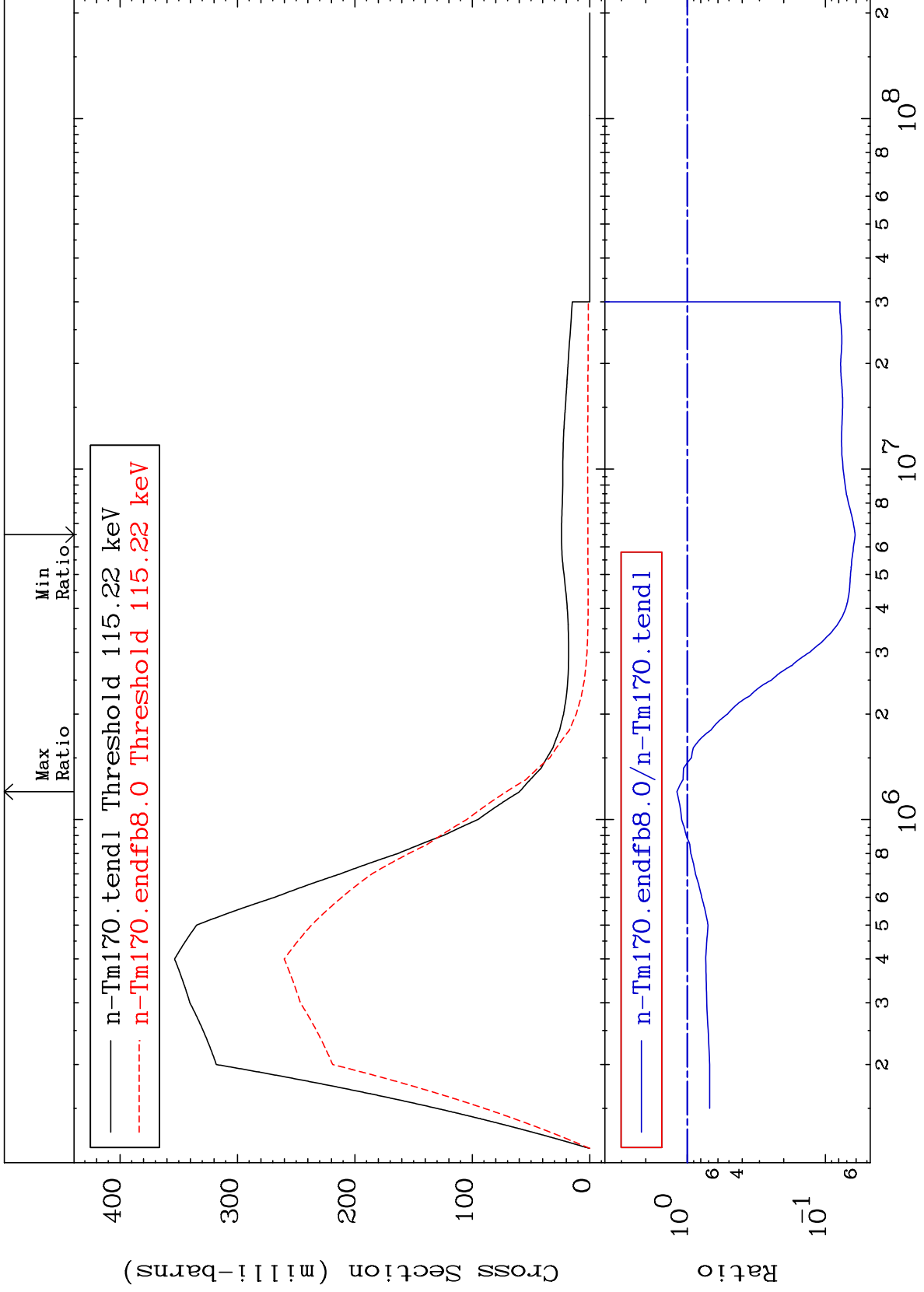
Incident Energy (eV)

69-Tm-170

MAT 6928

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

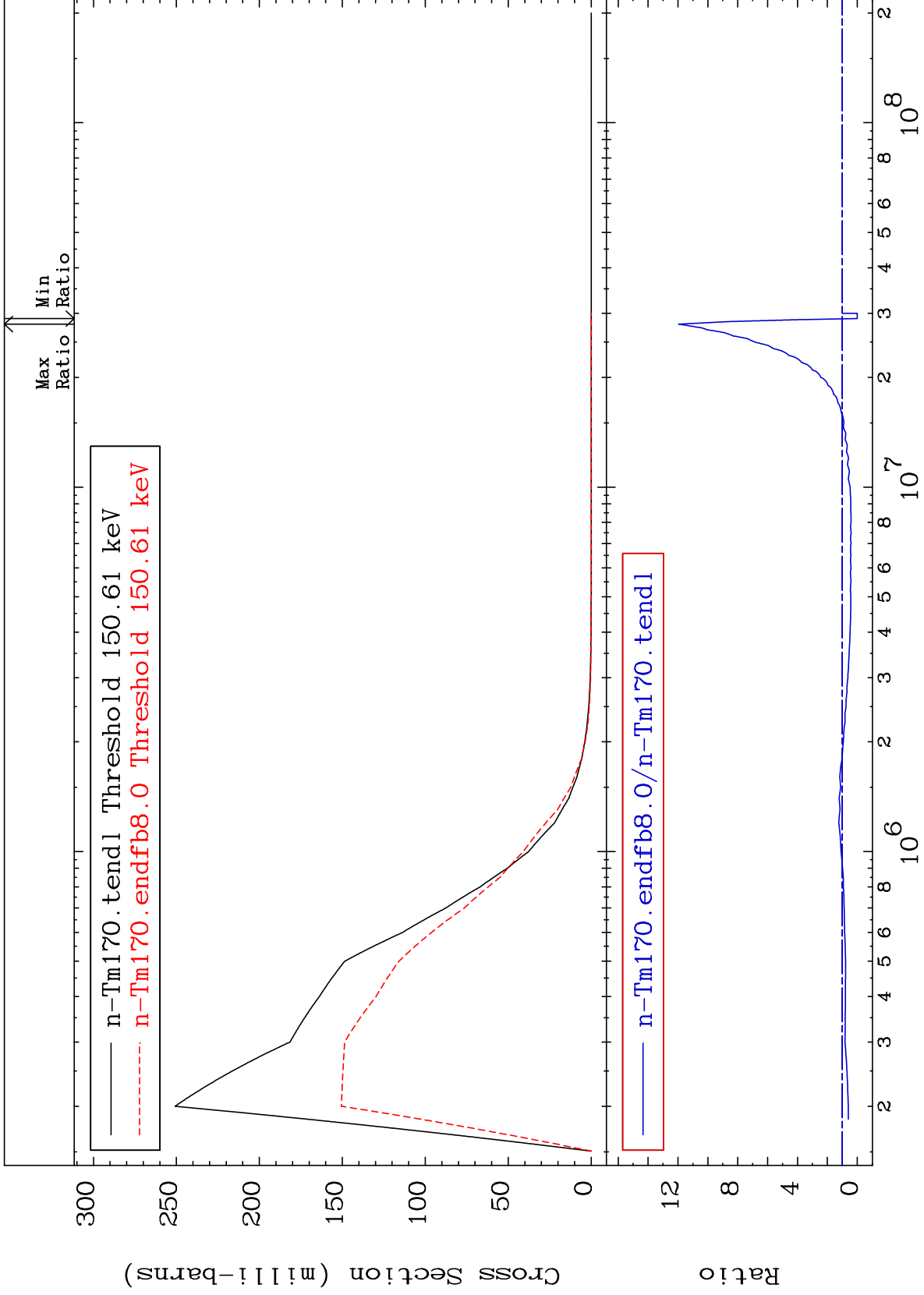
69-Tm-170  
-93.91 To 18.87 %



MAT 6928

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

69-Tm-170  
-100.0 To 1095. %

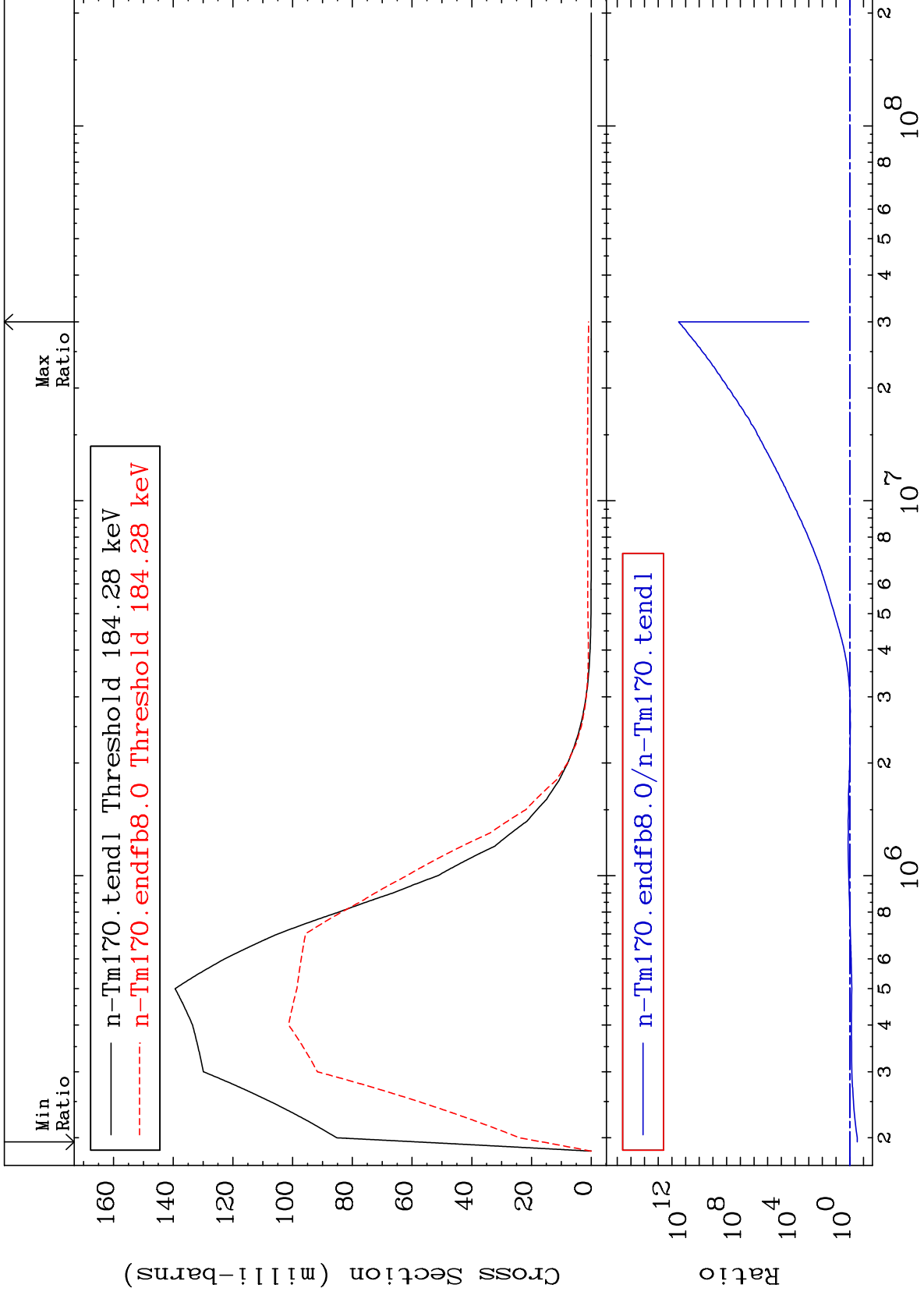


12

MAT 6928

MT= 54 (n, n') Level  
Cross Section

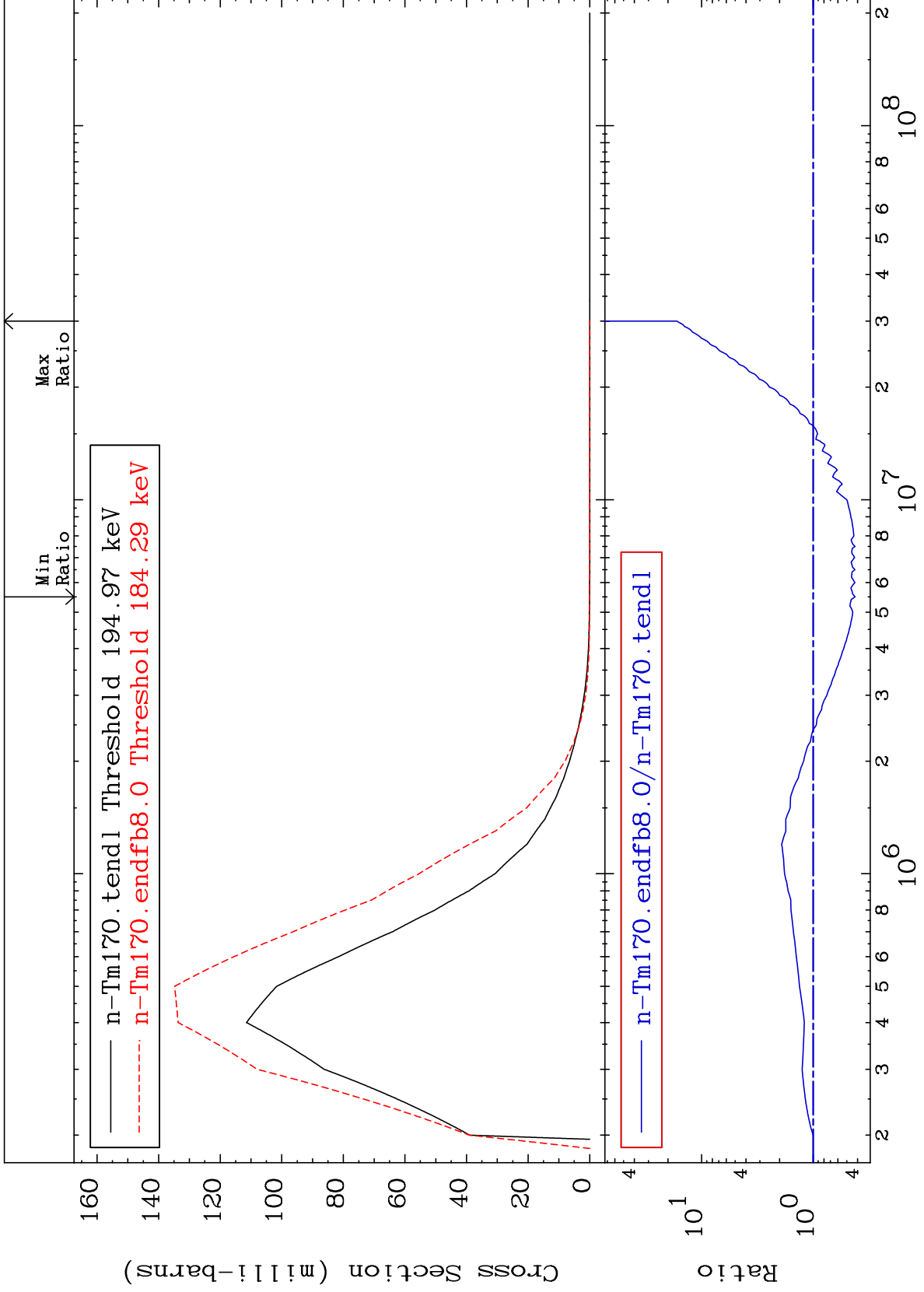
69-Tm-170  
-71.74 To 9999. %



MAT 6928

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

69-Tm-170  
-57.92 To 1564. %



14

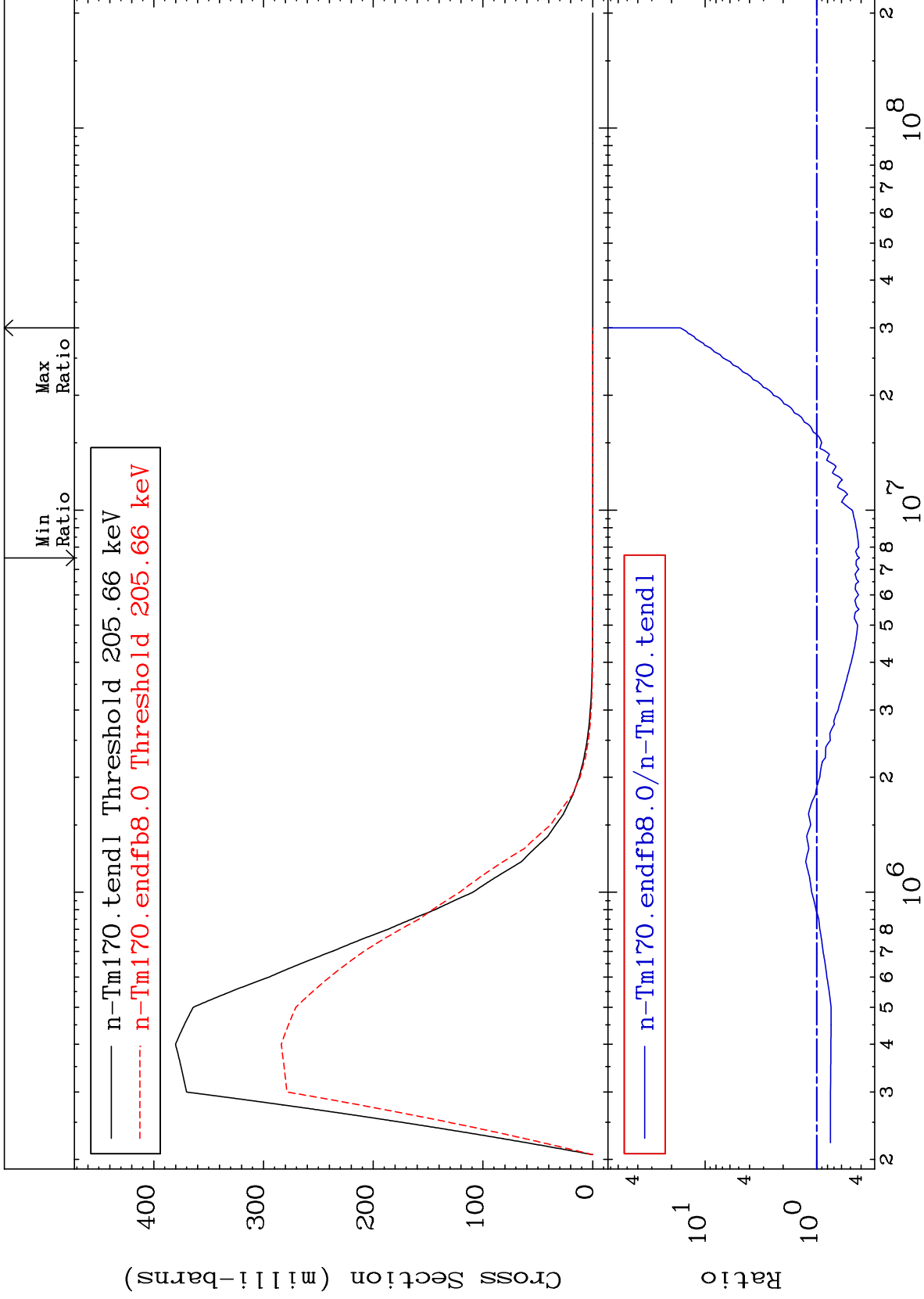
Incident Energy (eV)

69-Tm-170

MAT 6928

MT= 56 (n,n') Level  
Cross Section

69-Tm-170  
-58.52 To 1566. %



15

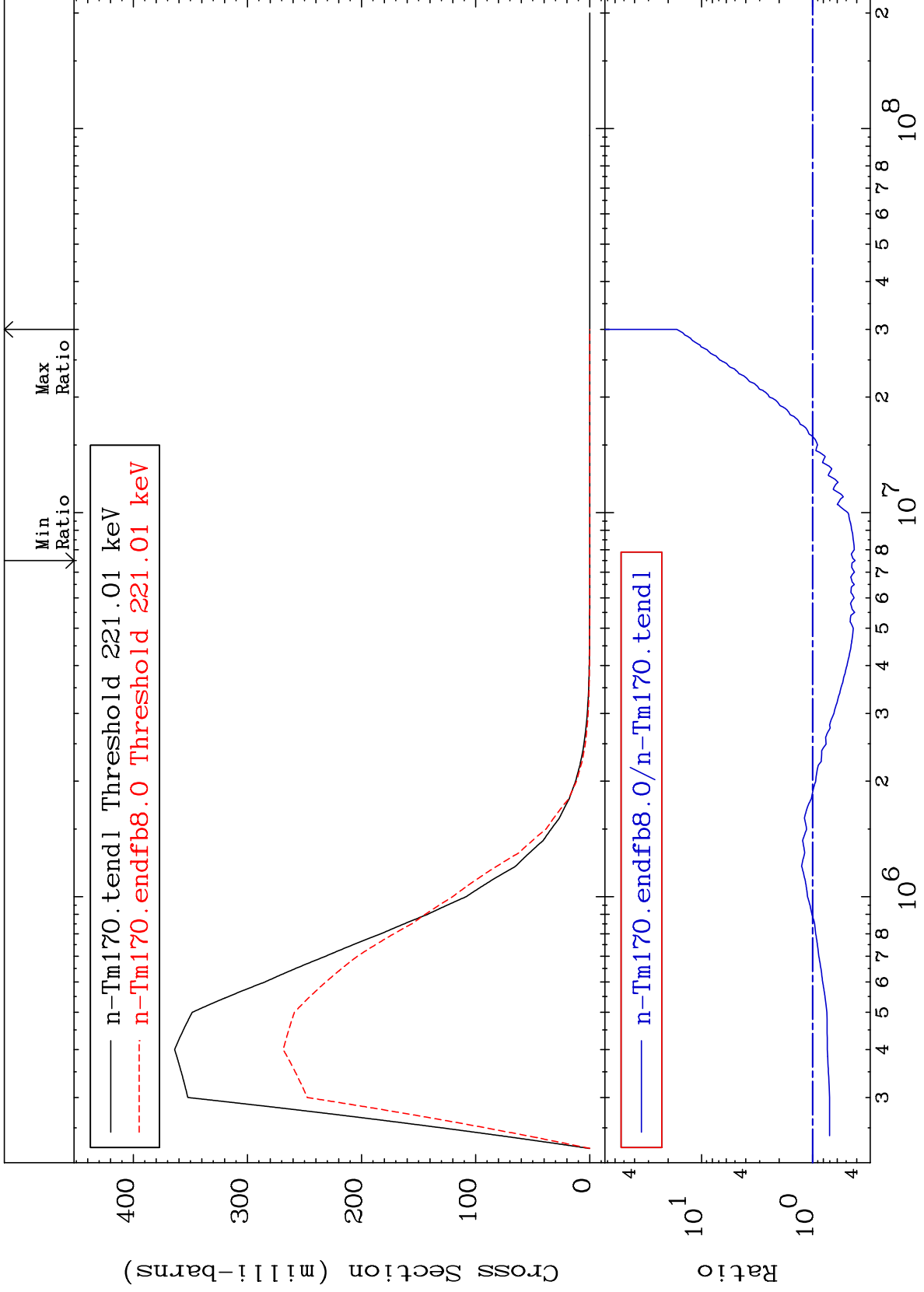
Incident Energy (eV)

69-Tm-170

MAT 6928

MT= 57 (n, n') Level  
Cross Section

69-Tm-170  
-58.52 To 1565. %



16

Incident Energy (eV)

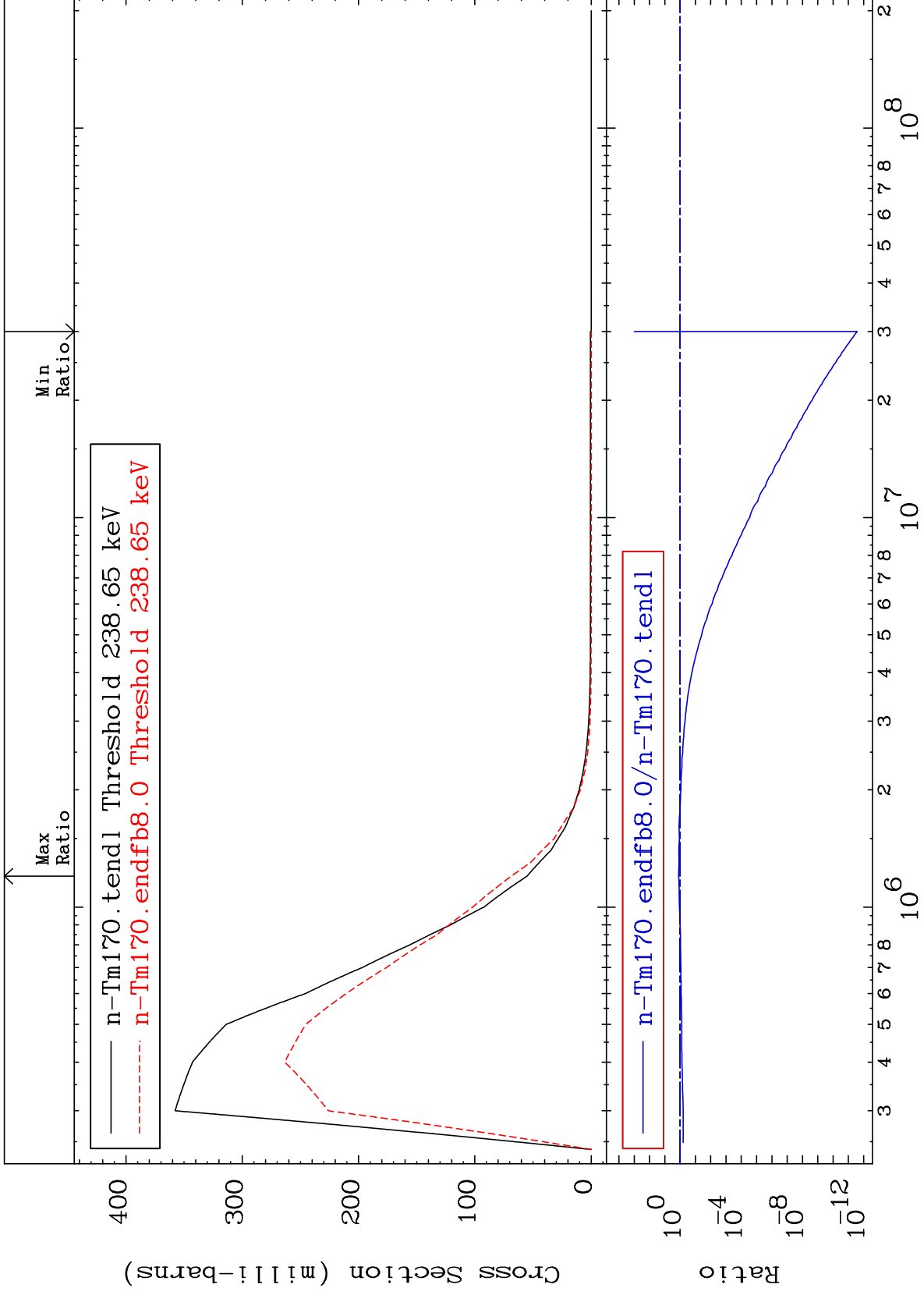
69-Tm-170



MAT 6928

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

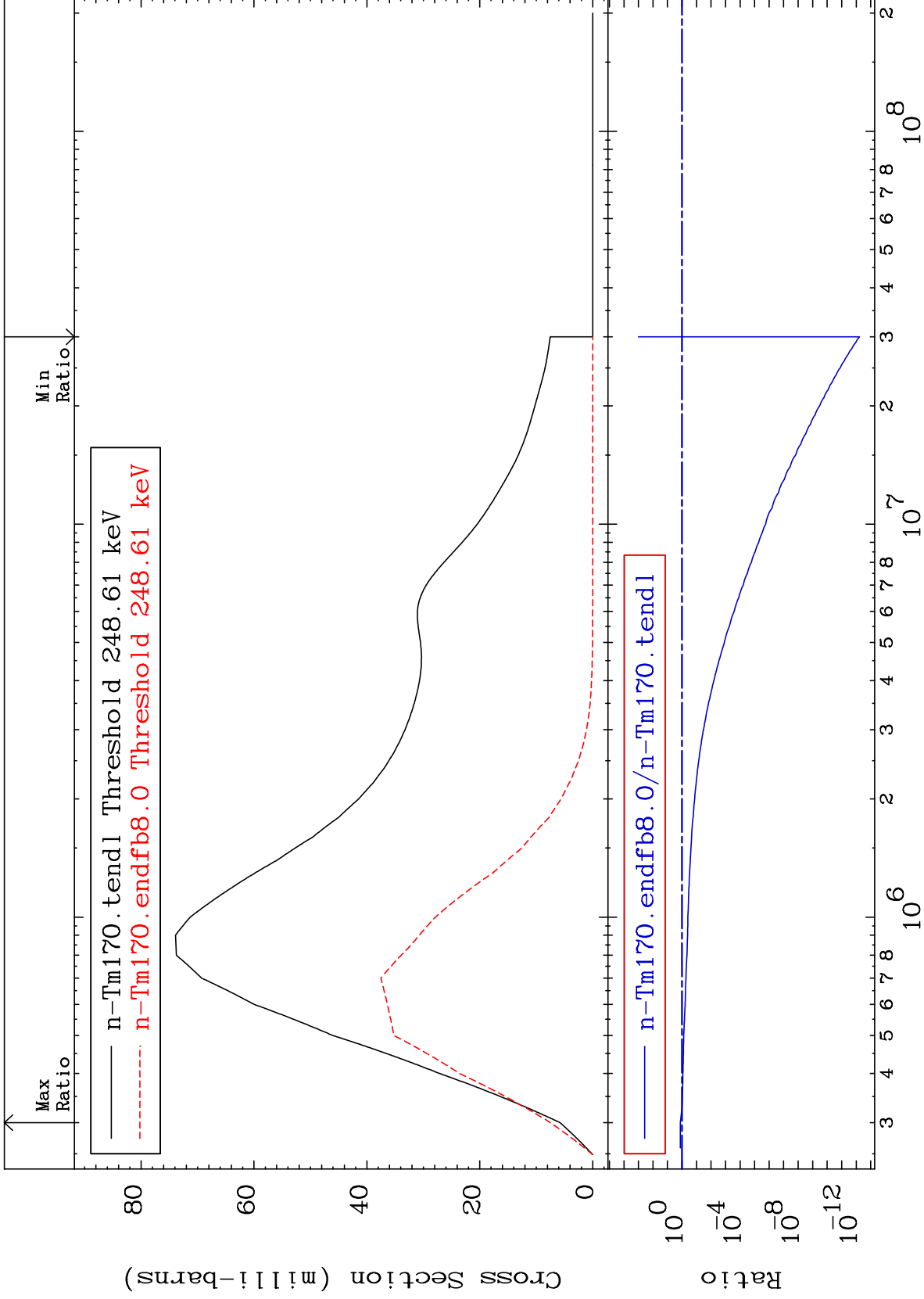
69-Tm-170  
-100.0 To 24.48 %



MAT 6928

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

69-Tm-170  
-100.0 To 29.65 %



18

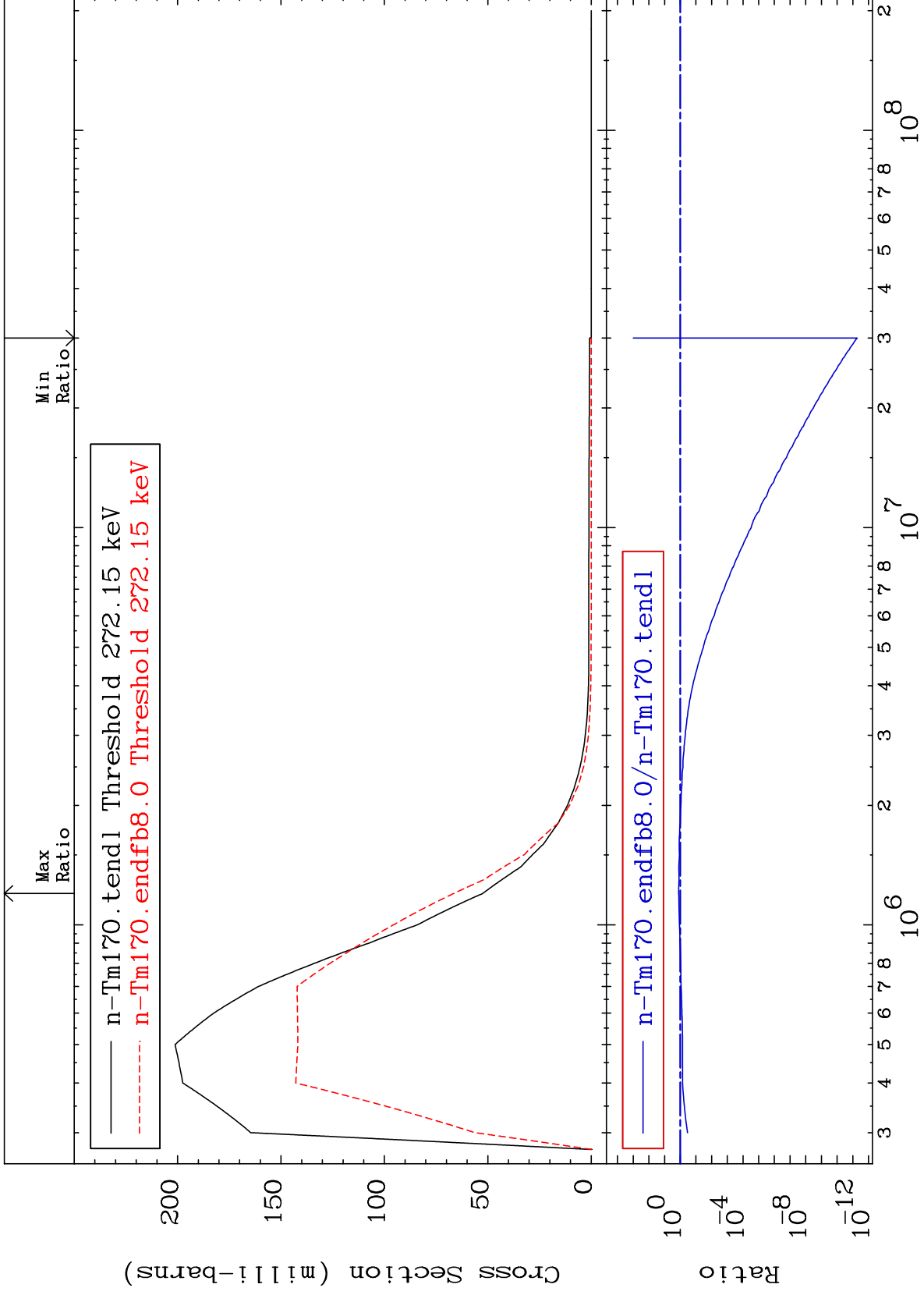
Incident Energy (eV)

69-Tm-170

MAT 6928

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

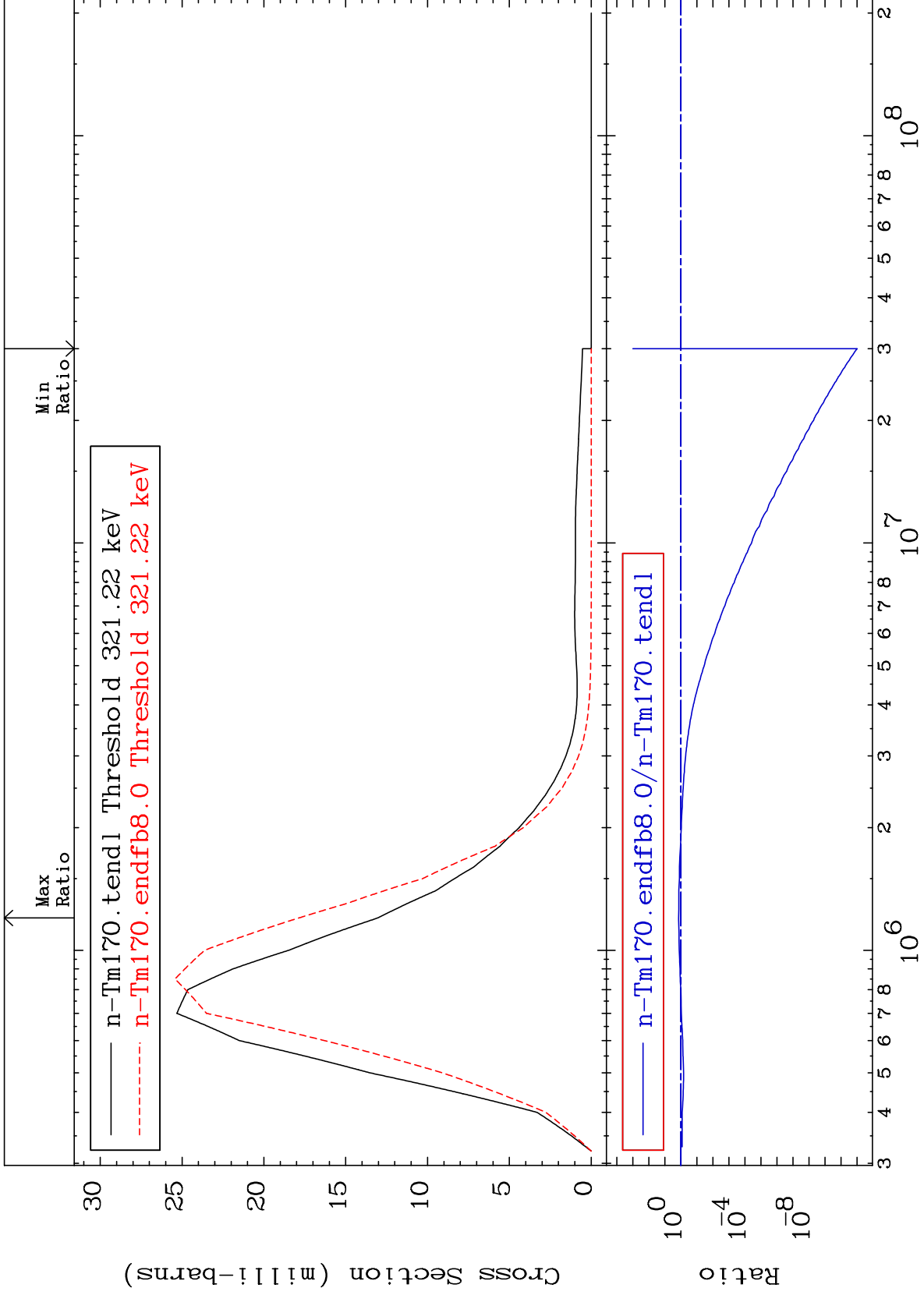
69-Tm-170  
-100.0 To 26.72 %



MAT 6928

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

69-Tm-170  
-100.0 To 36.96 %



20

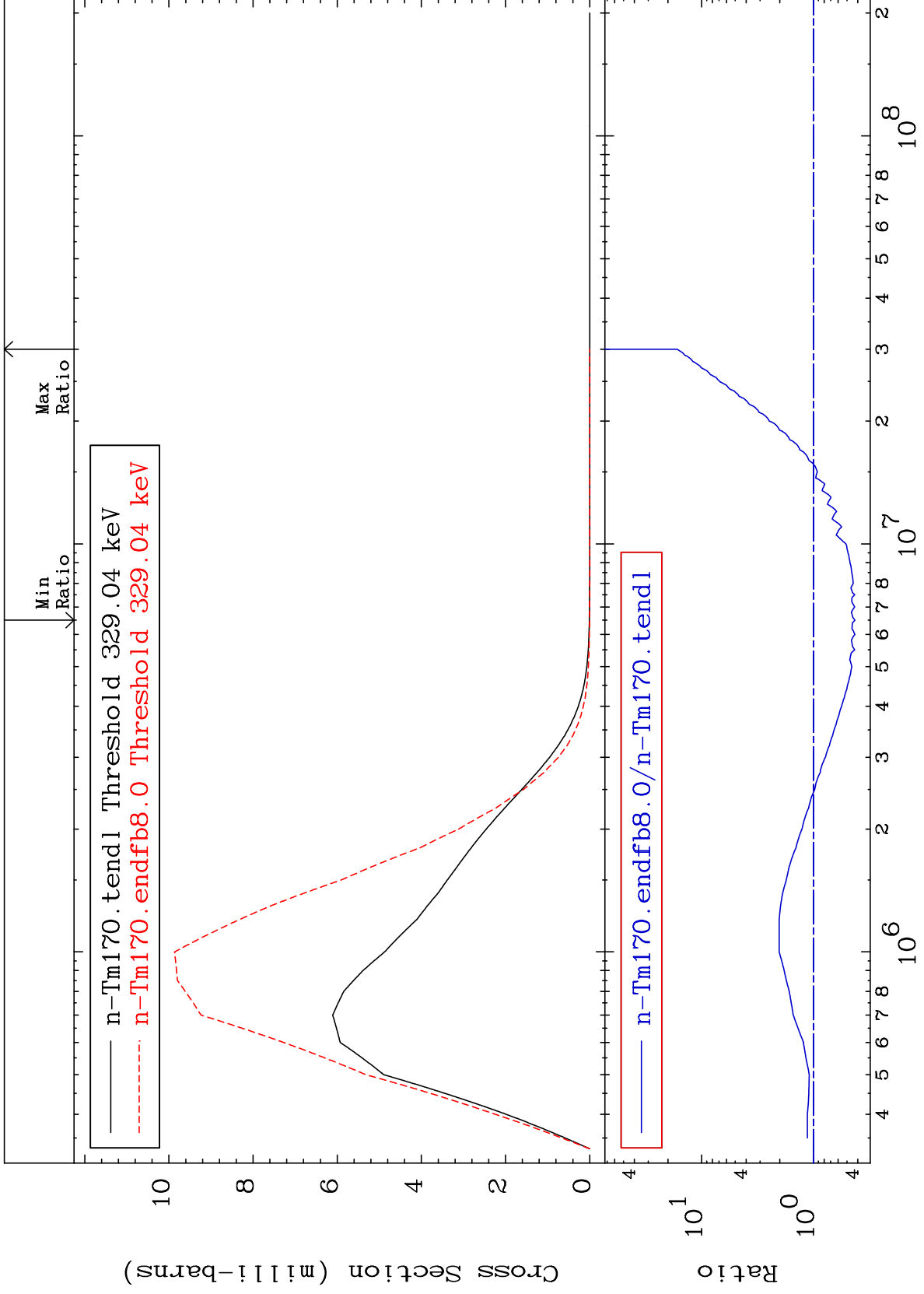
Incident Energy (eV)

69-Tm-170

MAT 6928

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

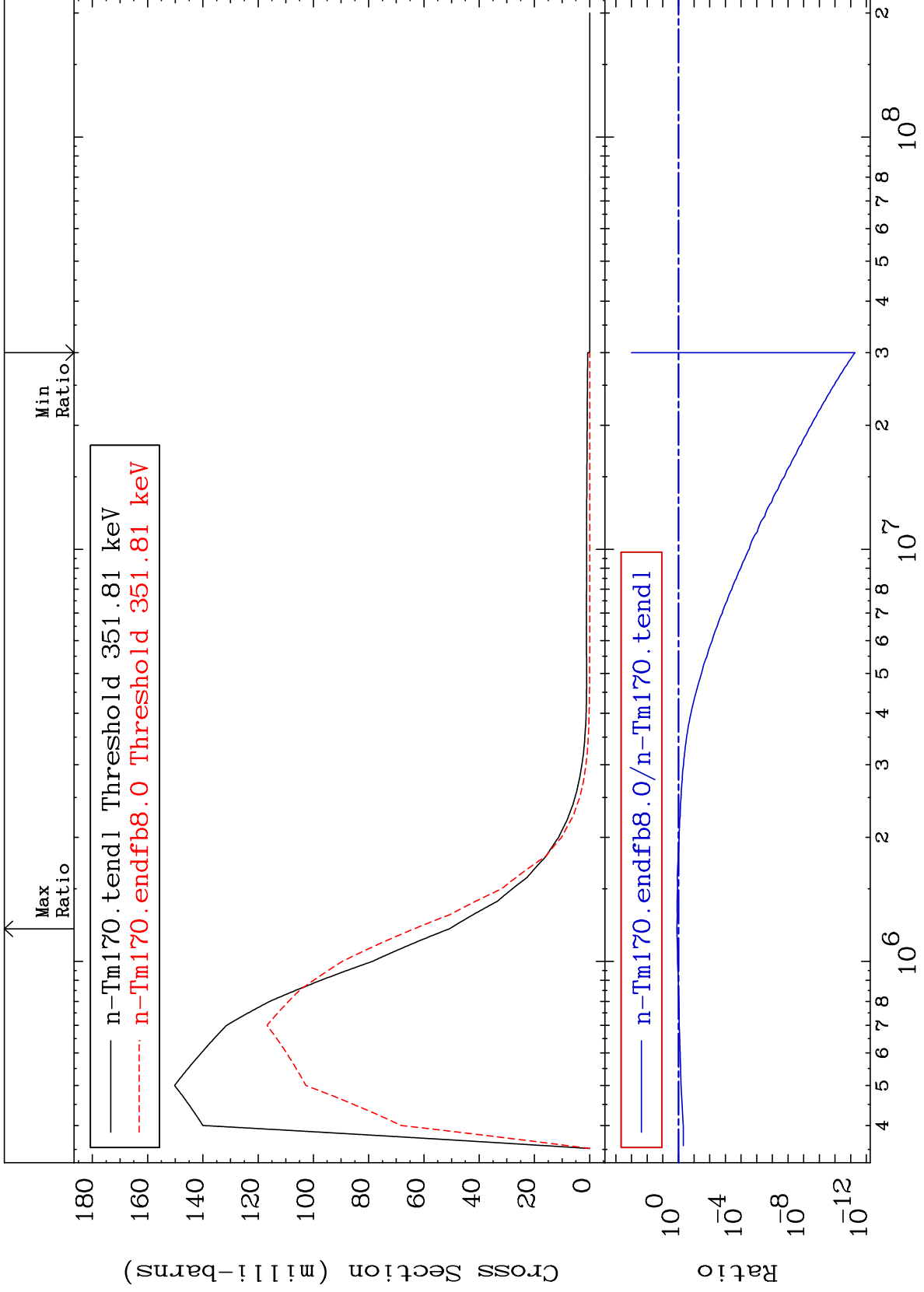
69-Tm-170  
-57.69 To 1563. %



MAT 6928

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

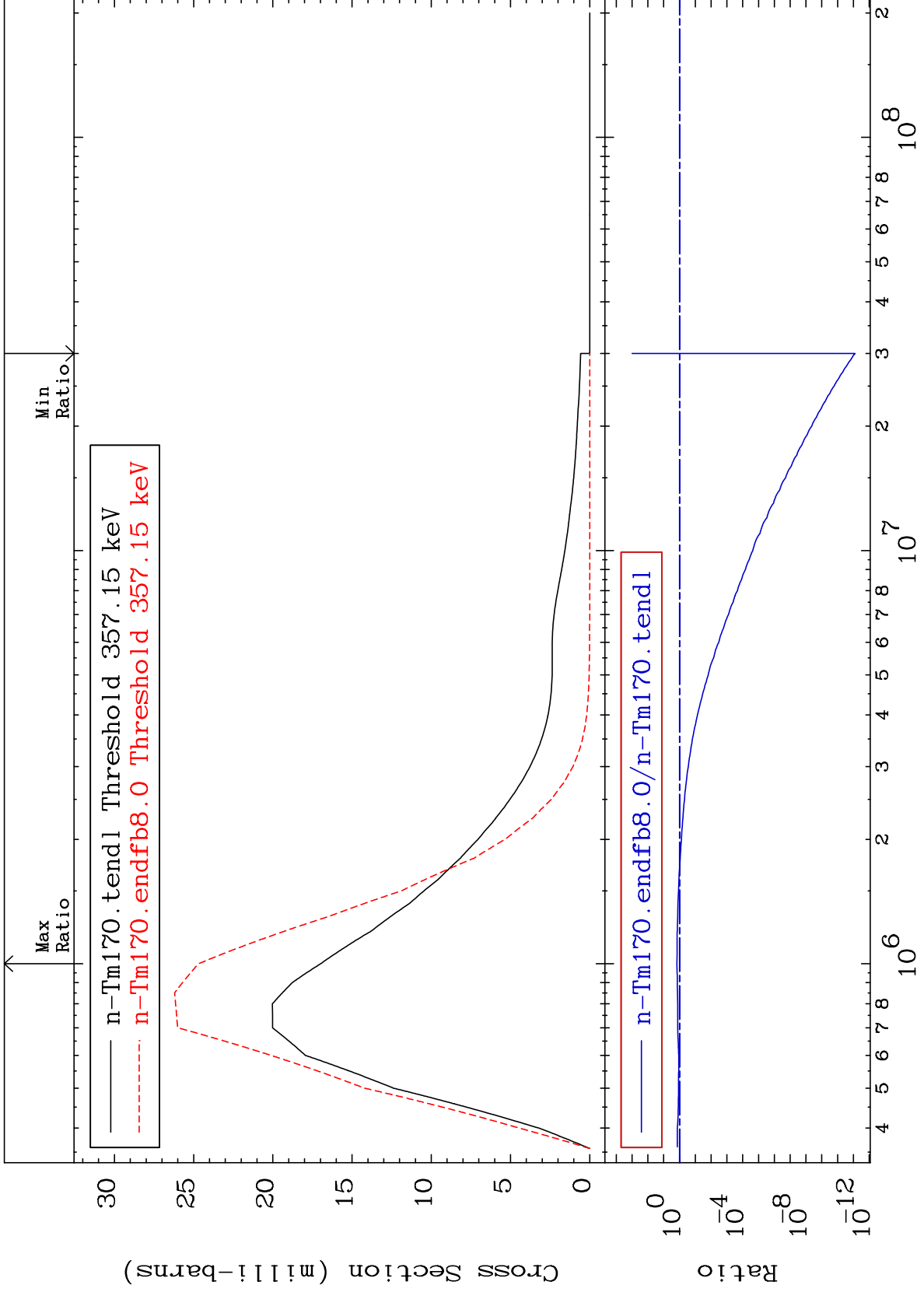
69-Tm-170  
-100.0 To 25.09 %



MAT 6928

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

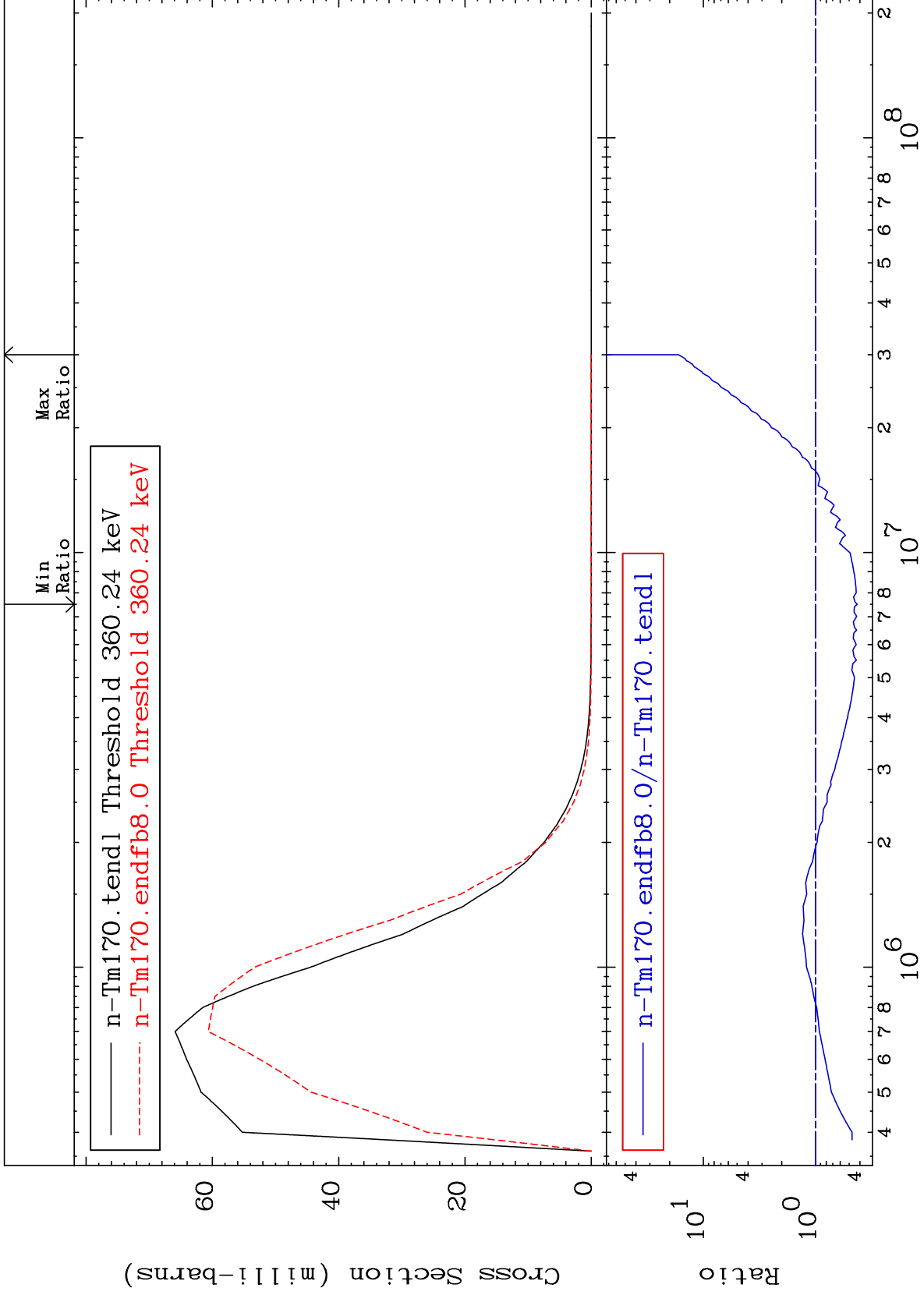
69-Tm-170  
-100.0 To 45.43 %



MAT 6928

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

69-Tm-170  
-57.70 To 1564. %

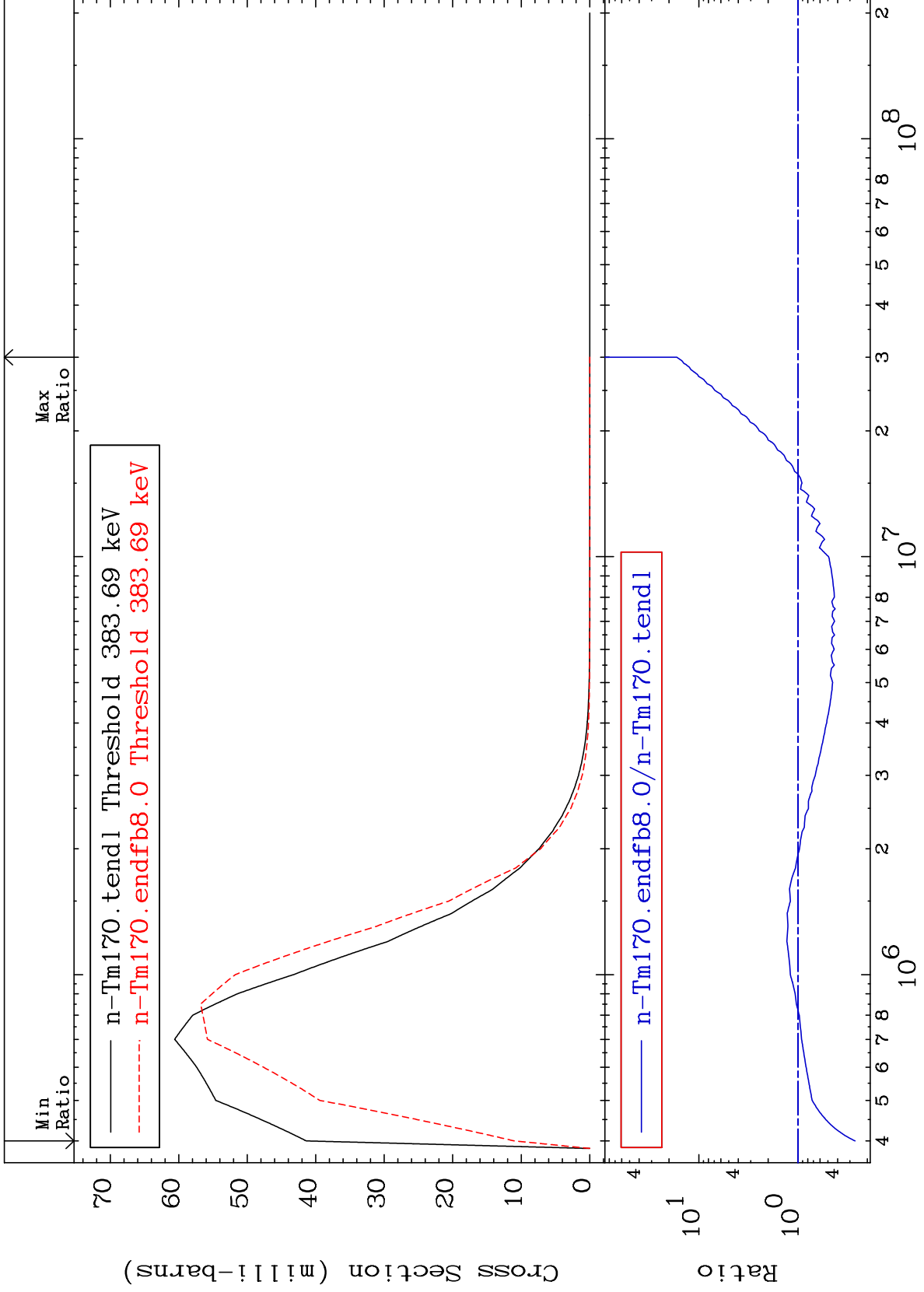




MAT 6928

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

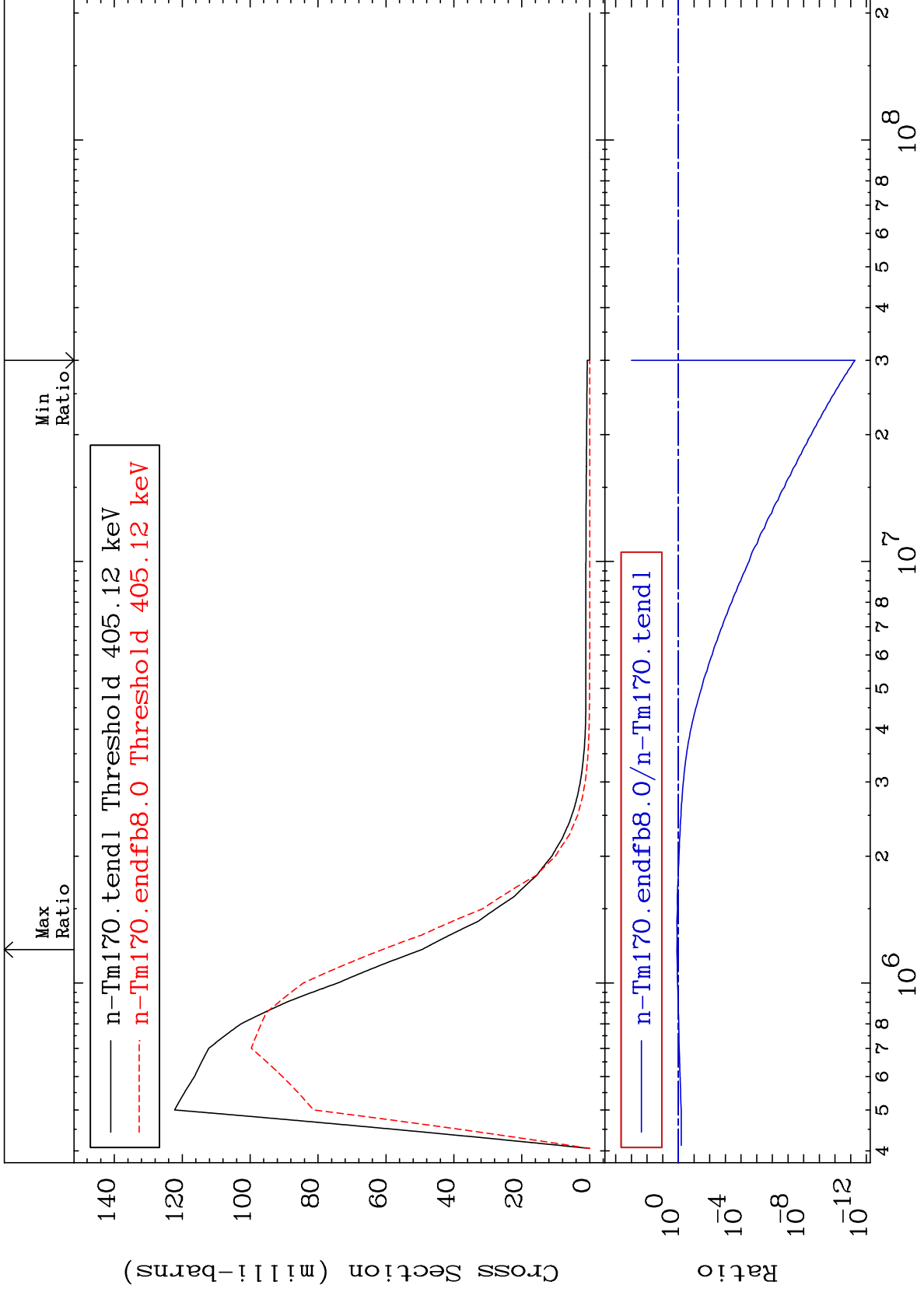
69-Tm-170  
-73.37 To 1564. %



MAT 6928

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

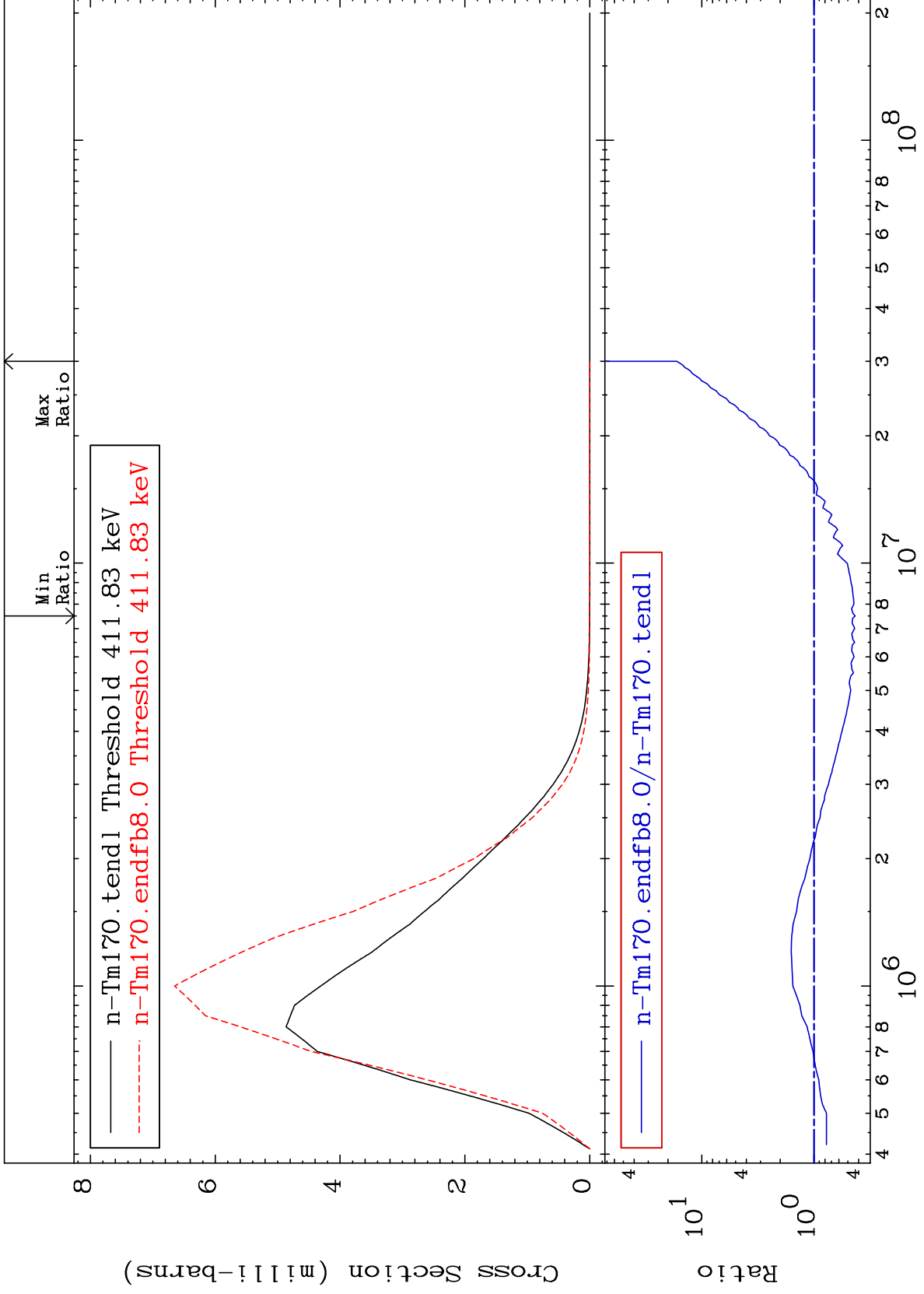
69-Tm-170  
-100.0 To 23.58 %



MAT 6928

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

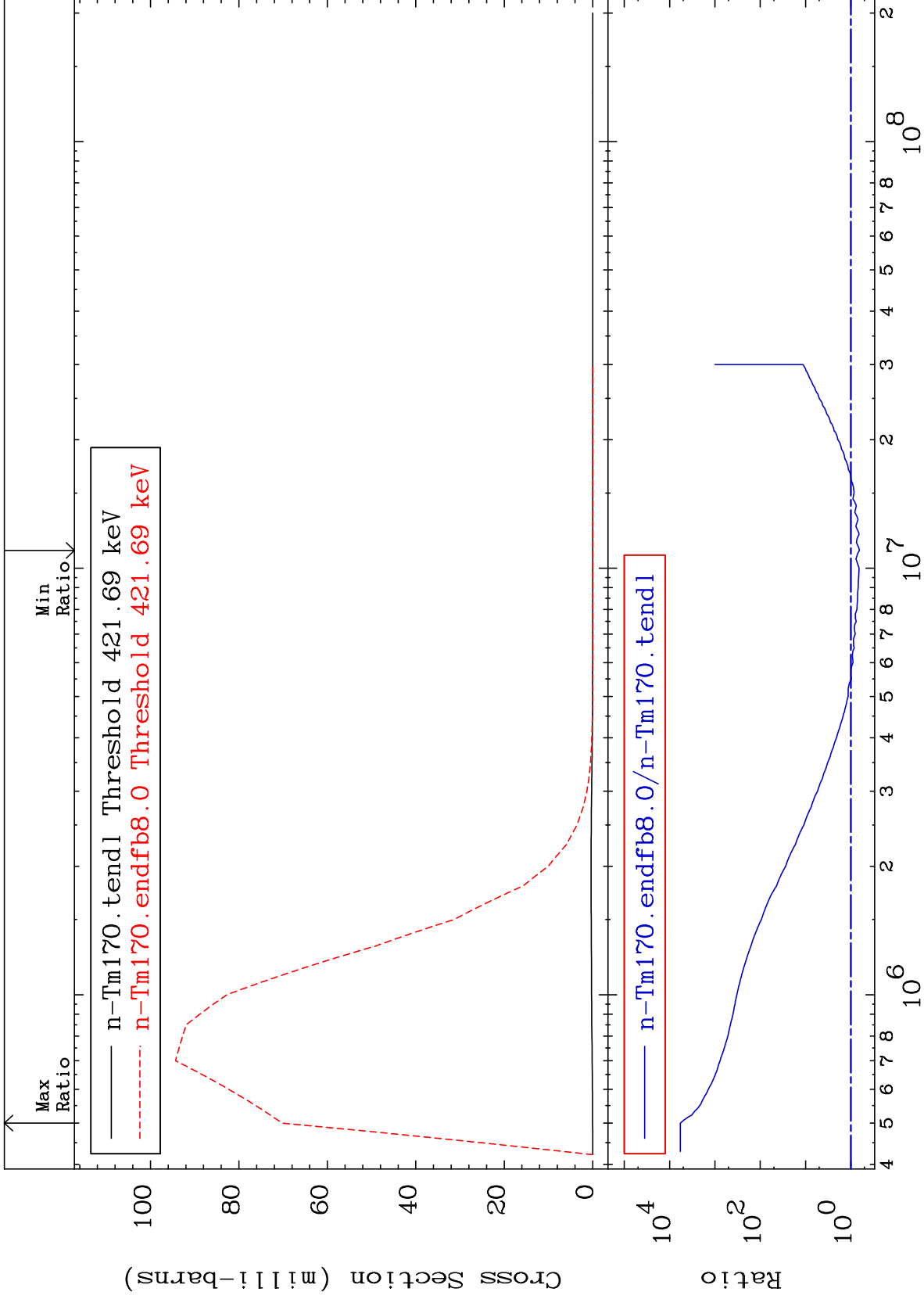
69-Tm-170  
-56.93 To 1565. %



MAT 6928

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

69-Tm-170  
-35.34 To 9999. %

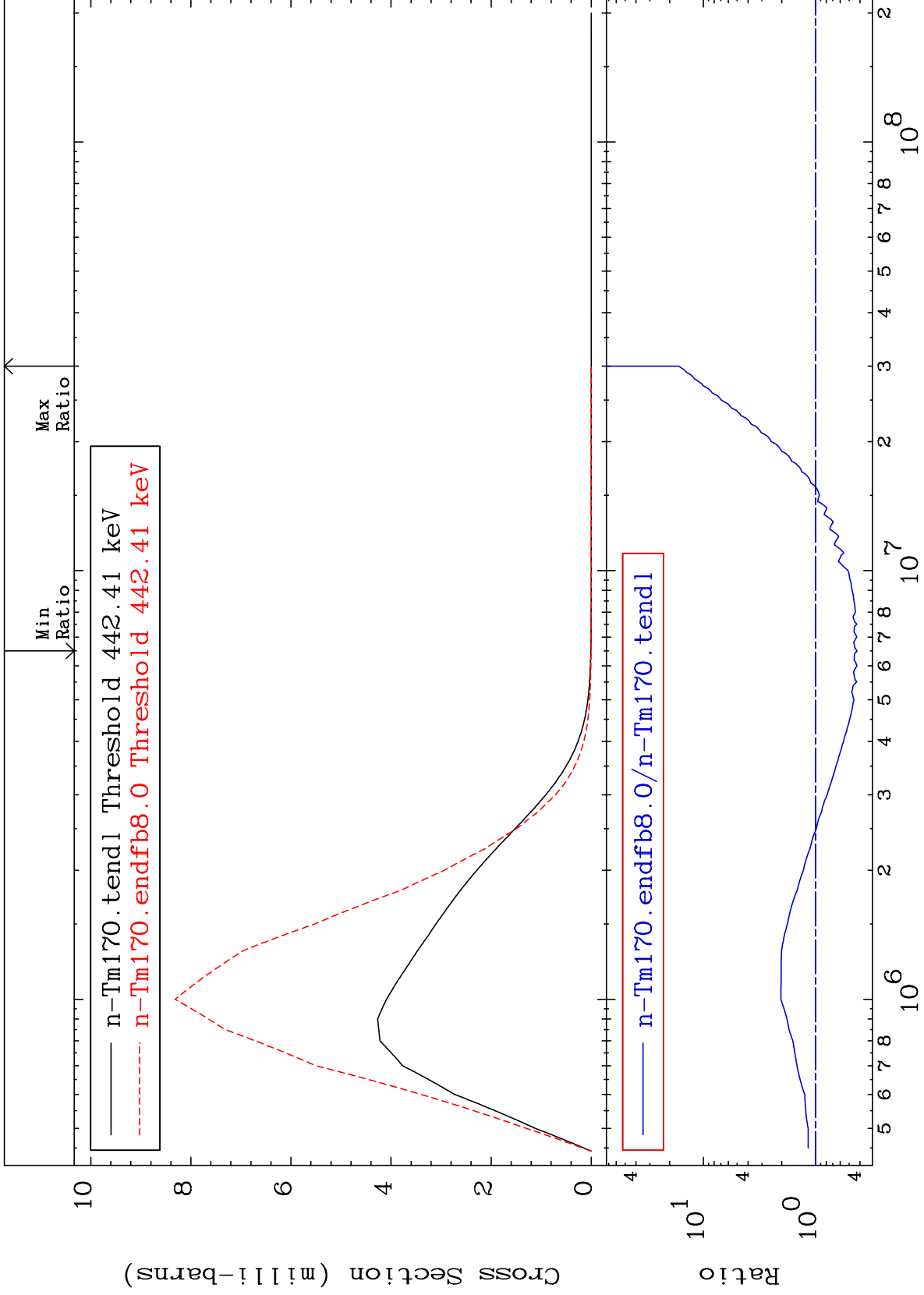




MAT 6928

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

69-Tm-170  
-57.67 To 1563. %



30

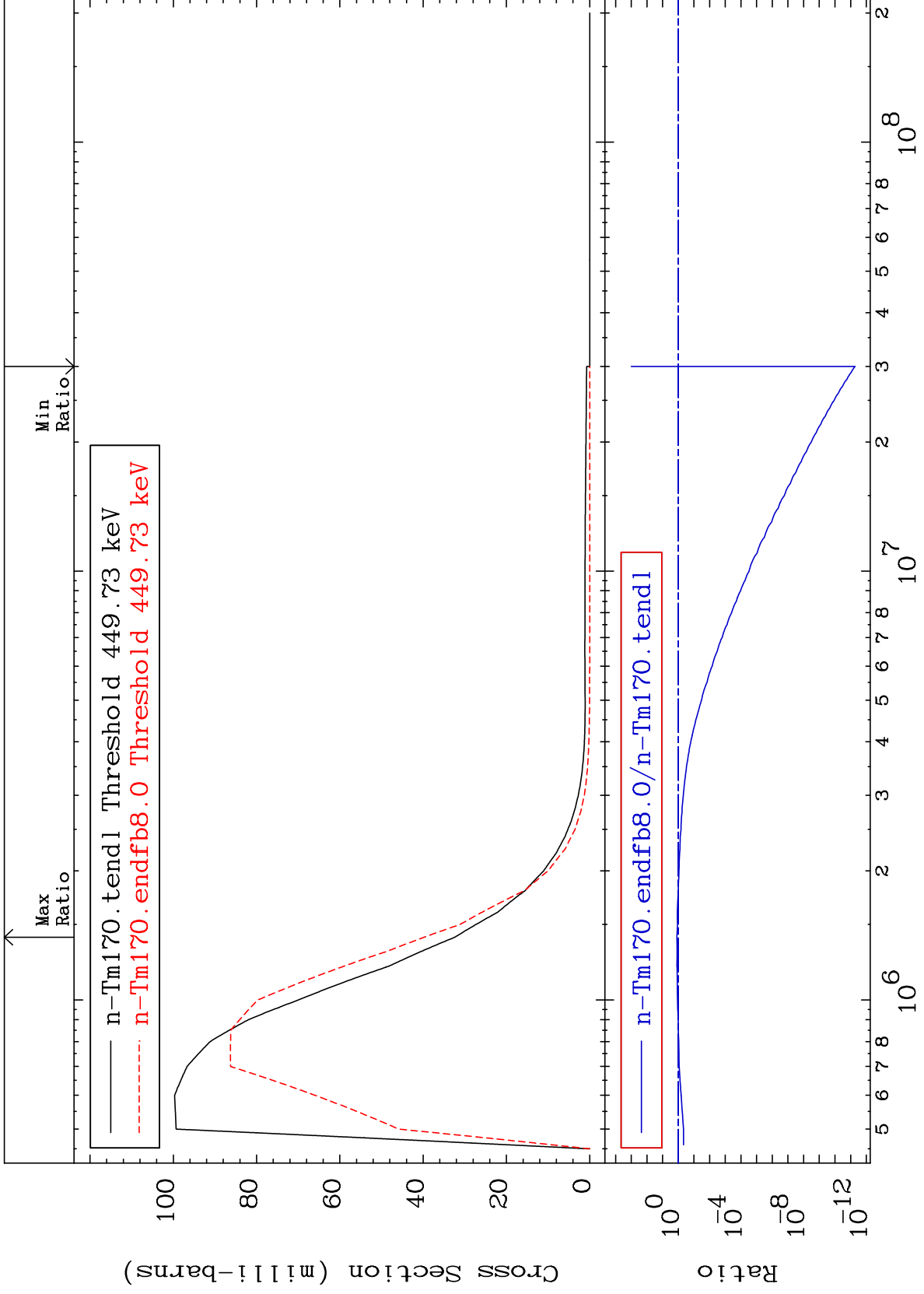
Incident Energy (eV)

69-Tm-170

MAT 6928

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

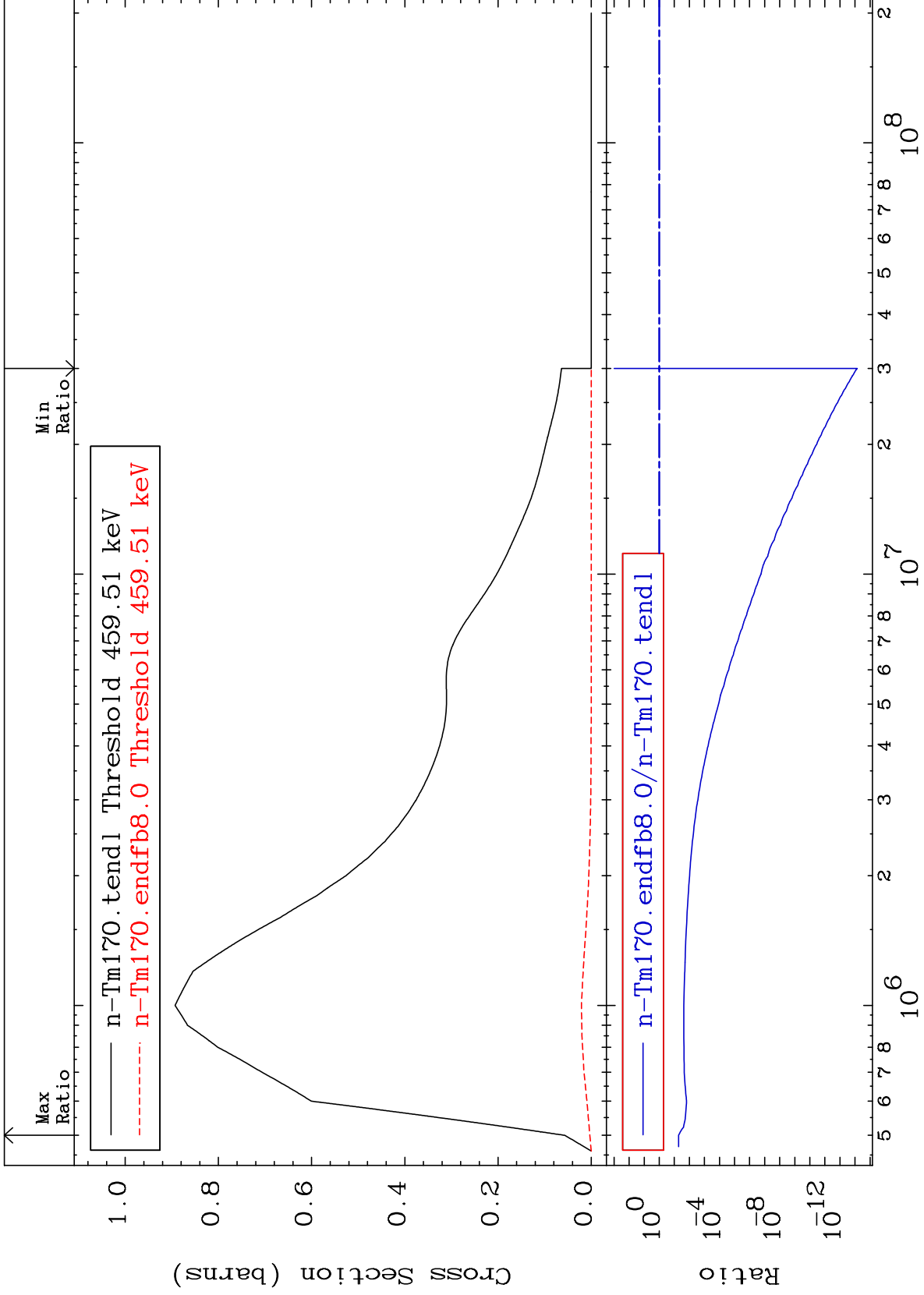
69-Tm-170  
-100.0 To 22.77 %



MAT 6928

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

69-Tm-170  
-100.0 To -94.84%

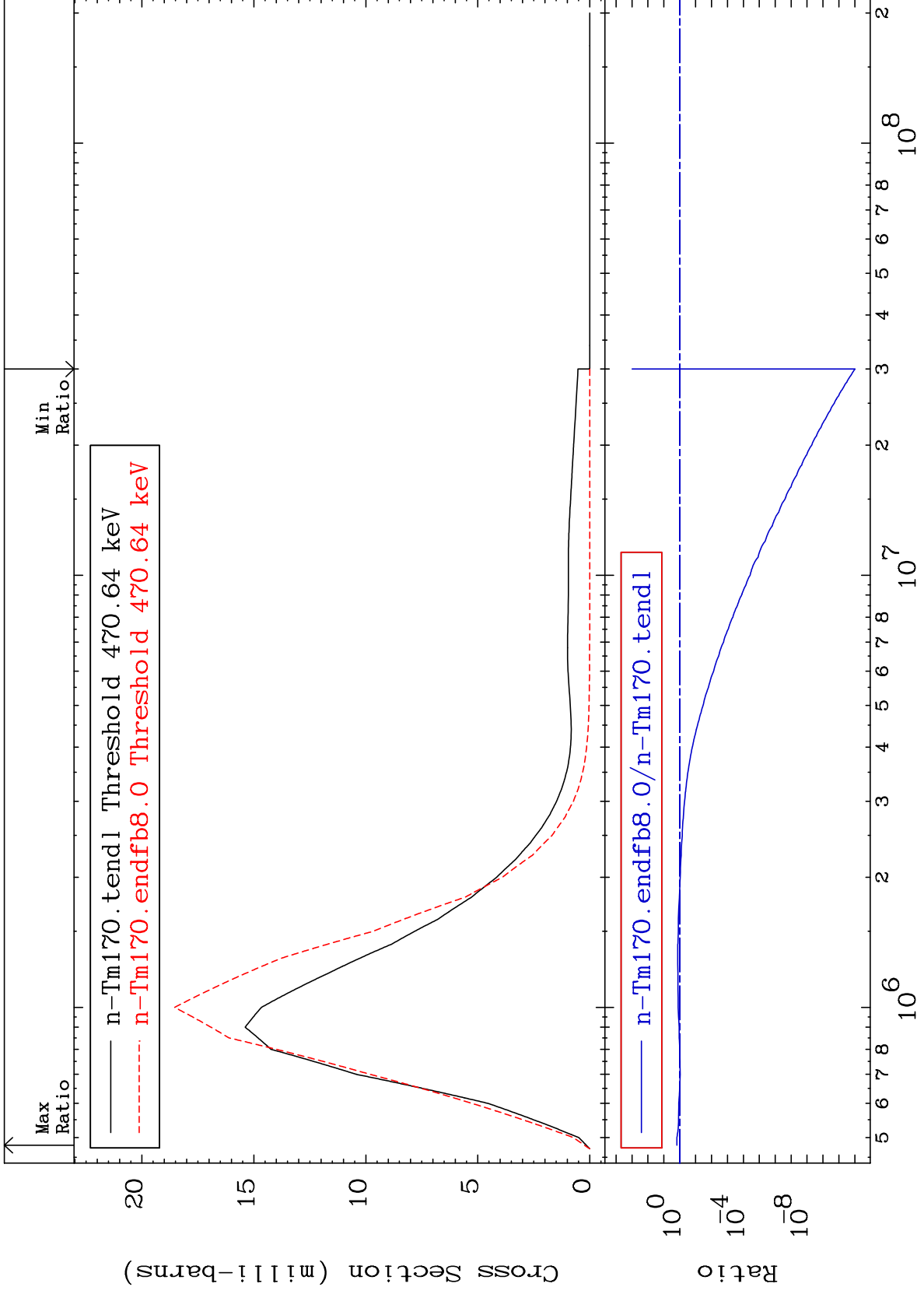




MAT 6928

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

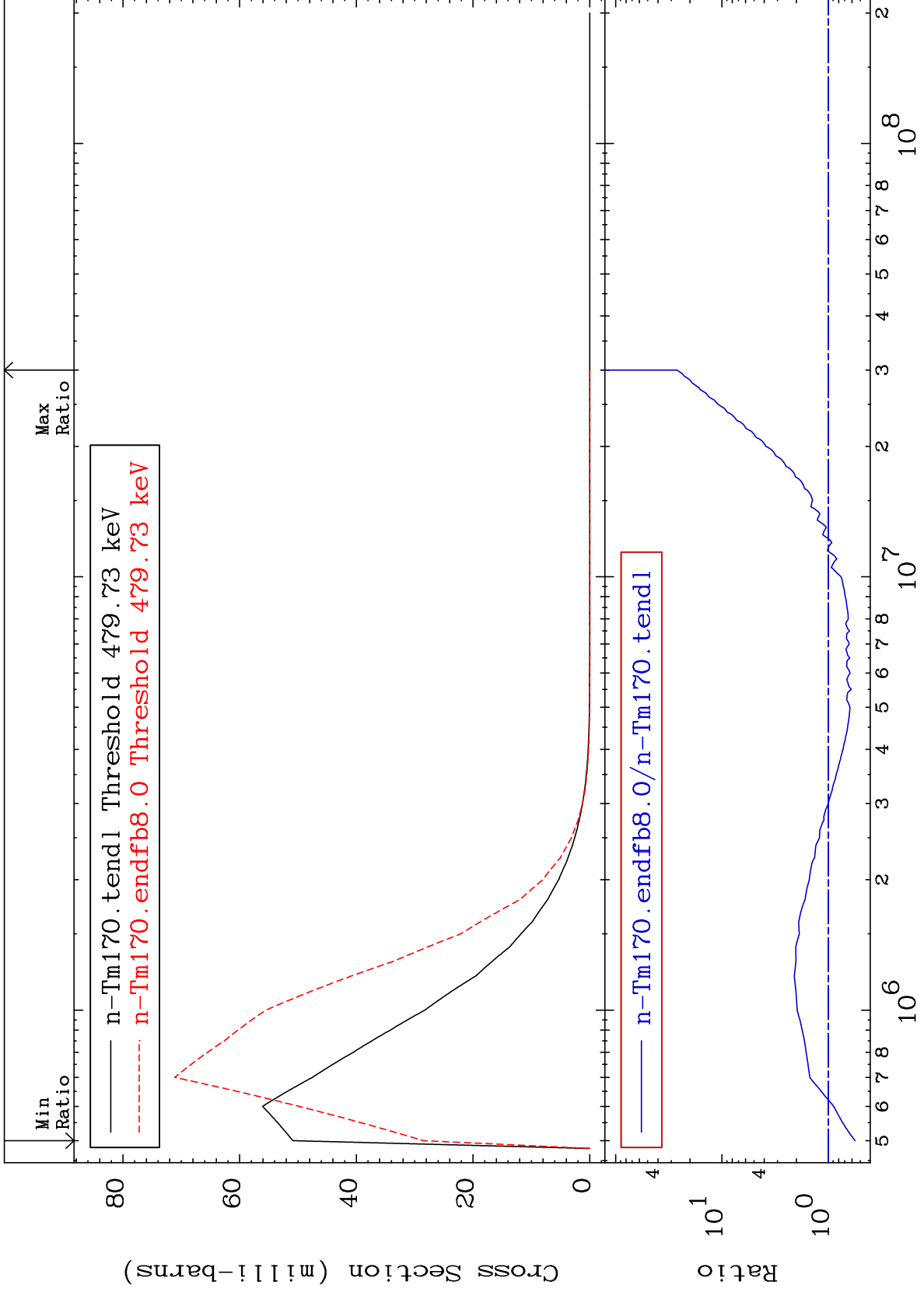
69-Tm-170  
-100.0 To 50.05 %



MAT 6928

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

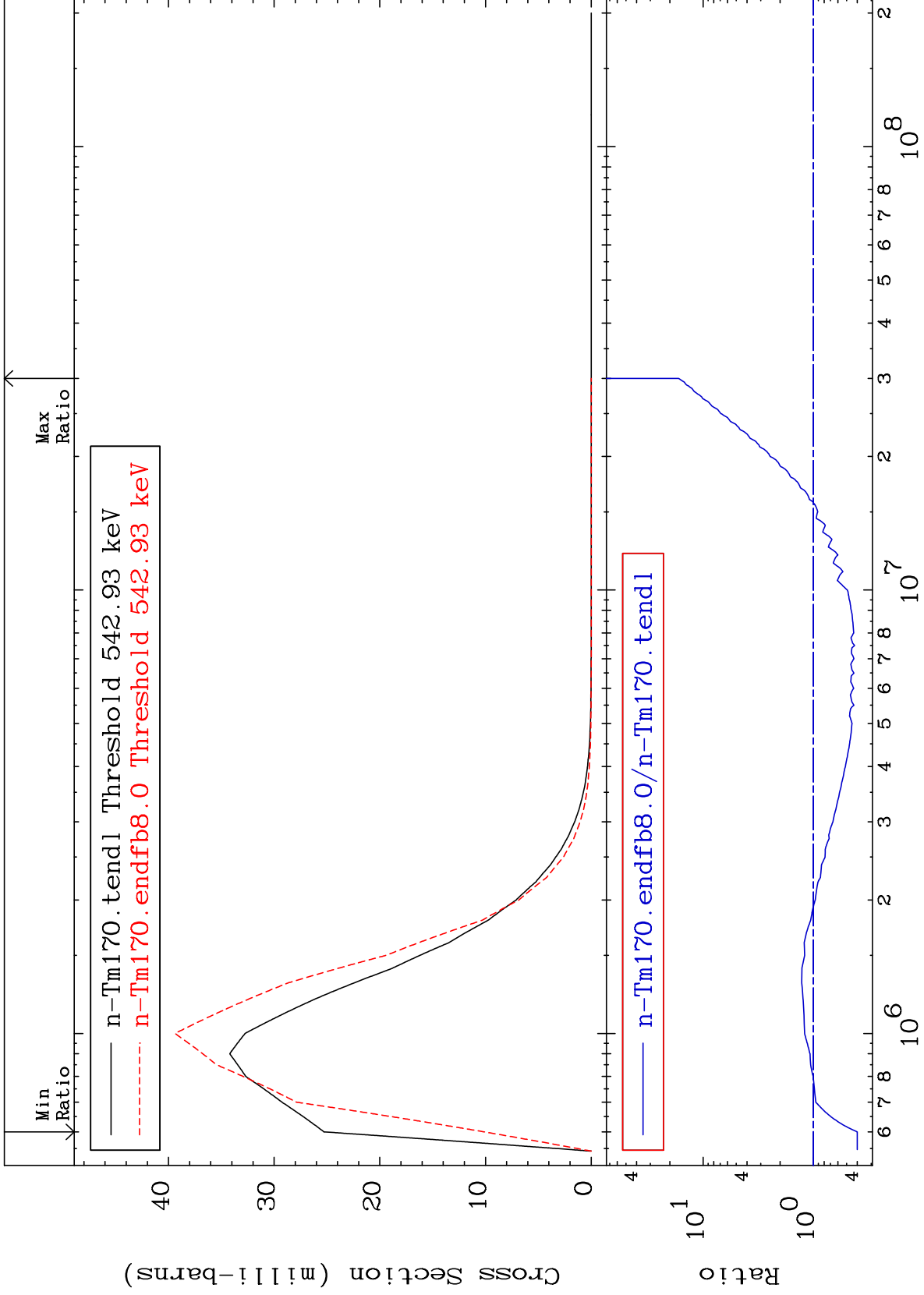
69-Tm-170  
-43.99 To 2554. %



MAT 6928

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

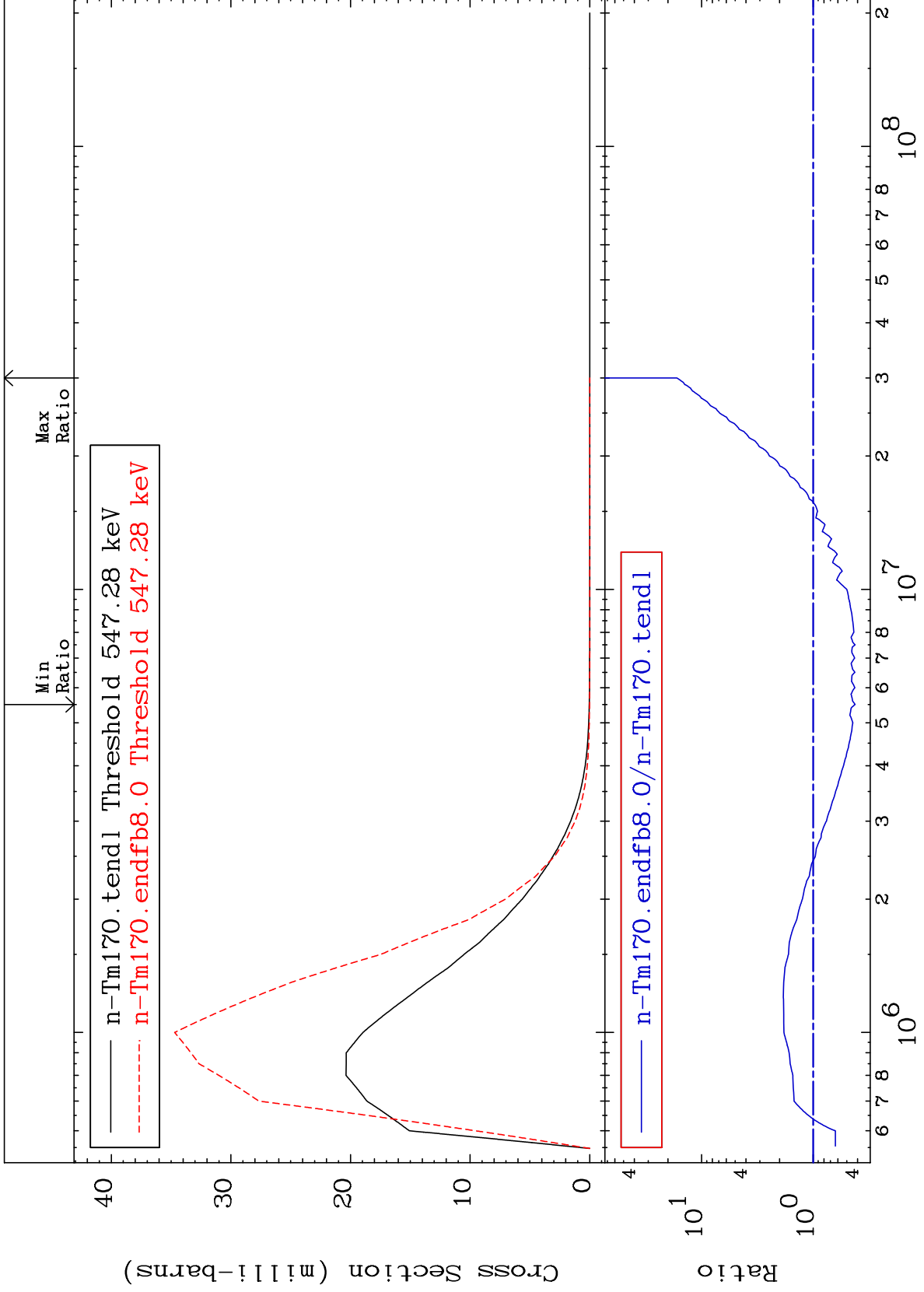
69-Tm-170  
-59.94 To 1564. %



MAT 6928

MT= 77 (n,n') Level  
Cross Section

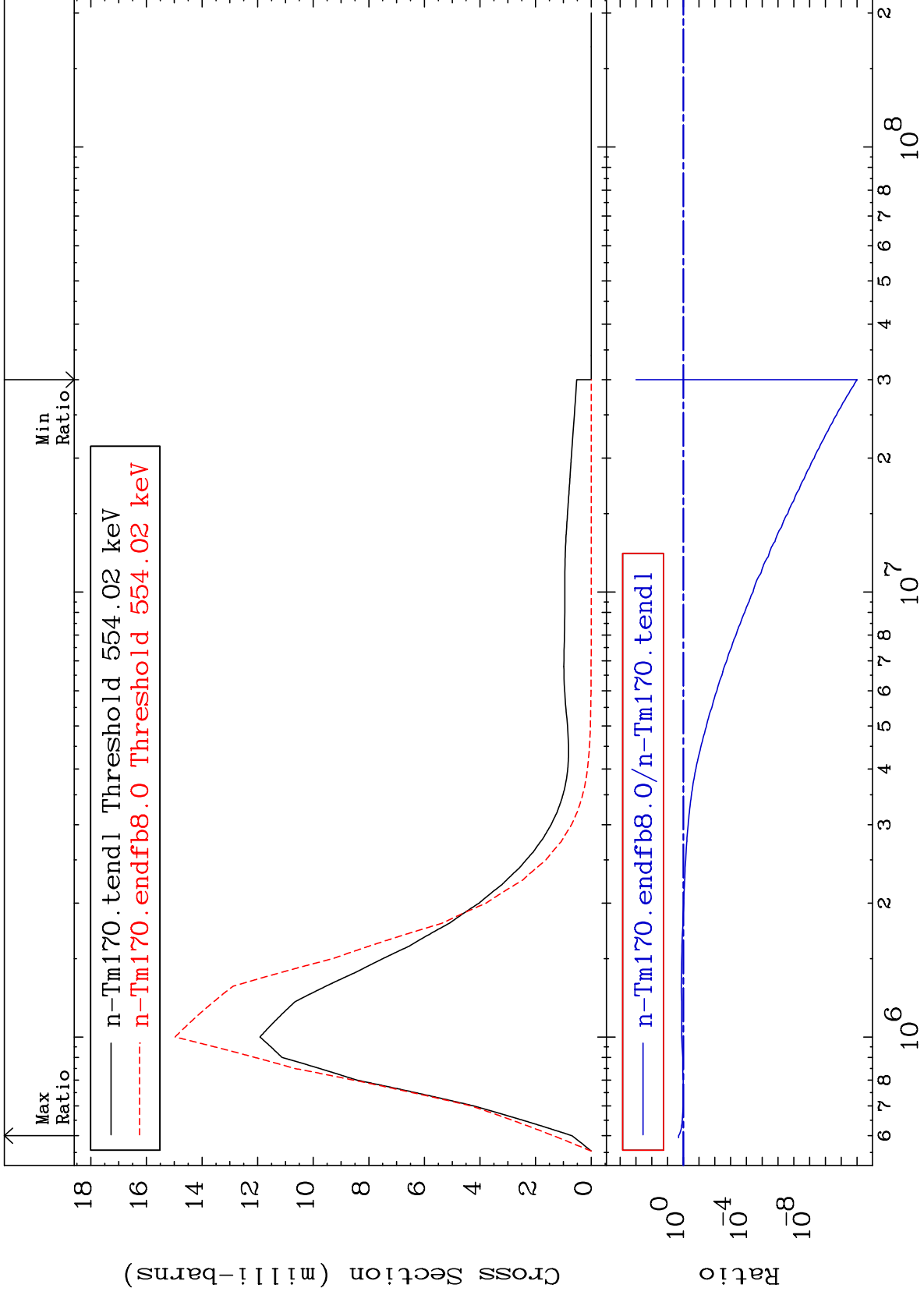
69-Tm-170  
-57.94 To 1563. %



MAT 6928

MT= 78 (n,n') Level  
Cross Section

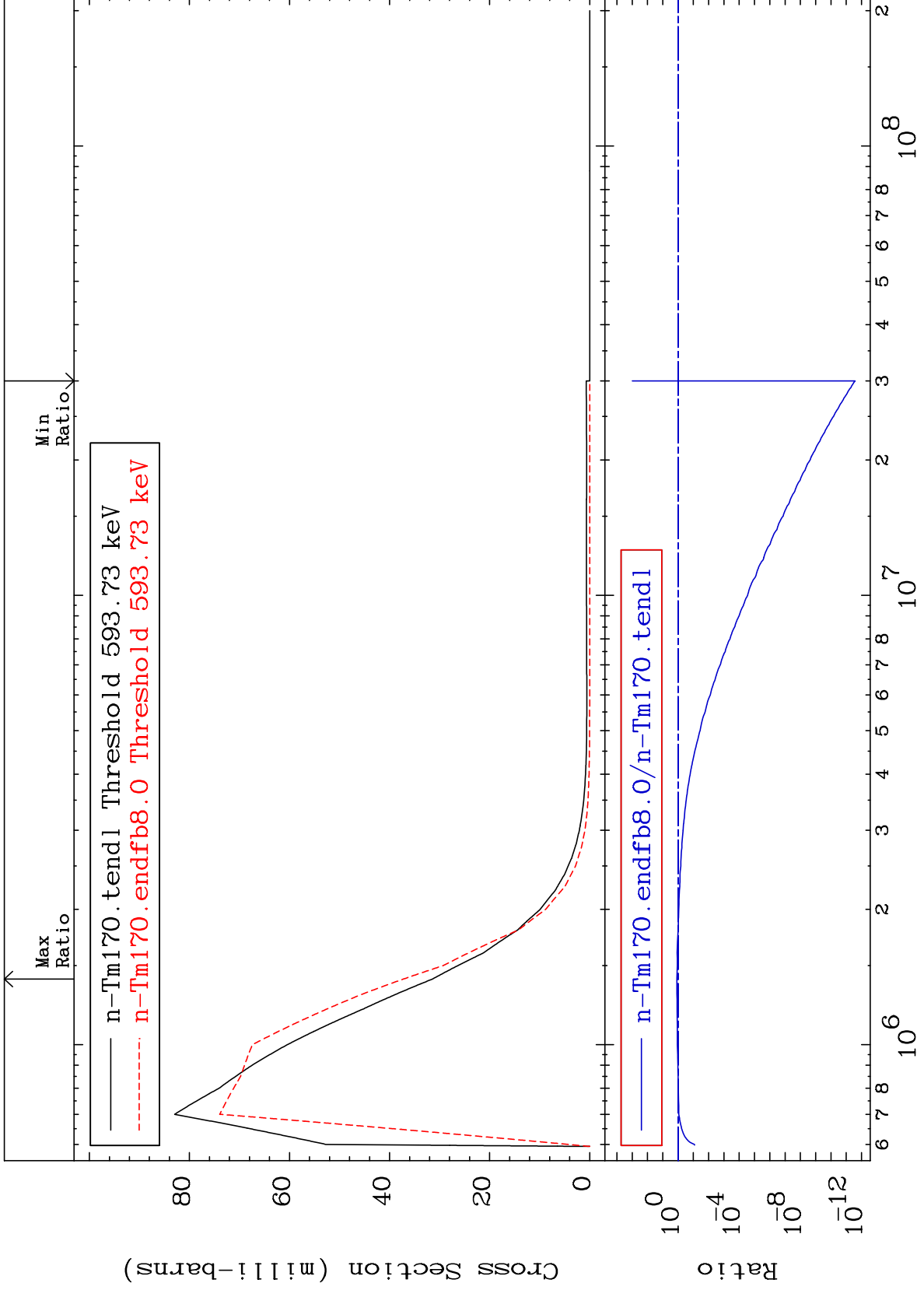
69-Tm-170  
-100.0 To 96.69 %



MAT 6928

MT= 79 (n,n') Level  
Cross Section

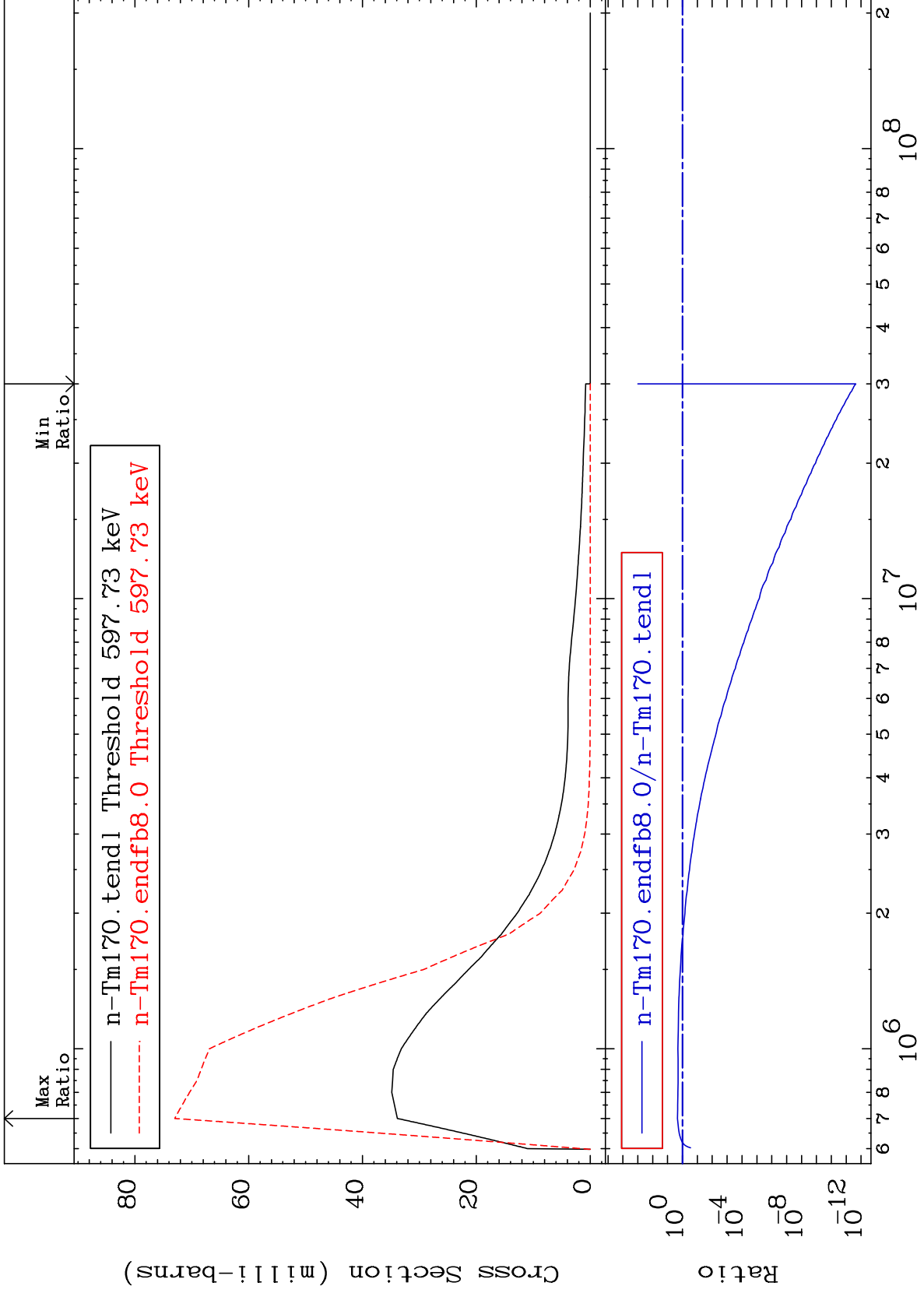
69-Tm-170  
-100.0 To 18.43 %



MAT 6928

MT= 80 (n,n') Level  
Cross Section

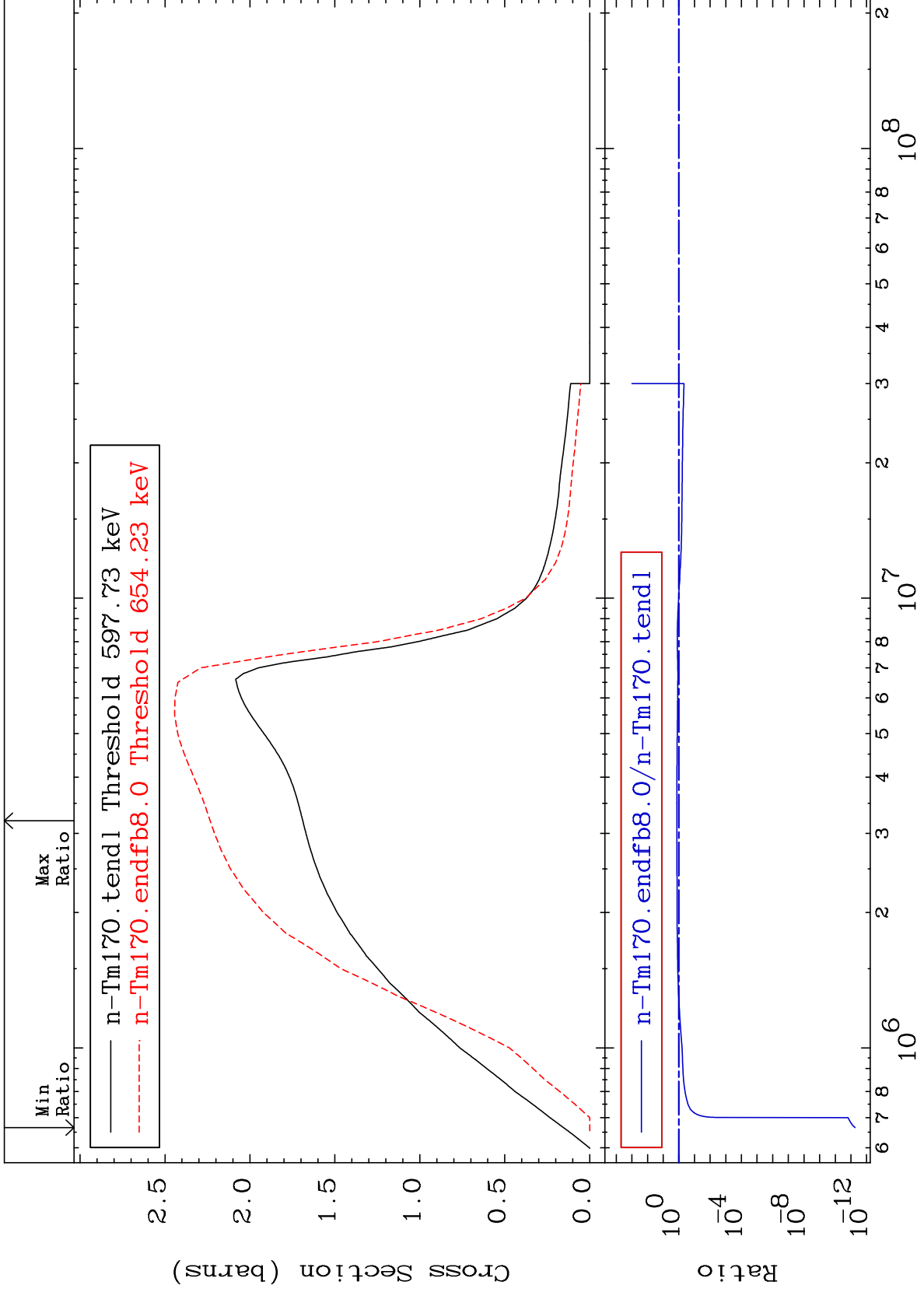
69-Tm-170  
-100.0 To 115.4 %



MAT 6928

(n, n') Continuum  
Cross Section

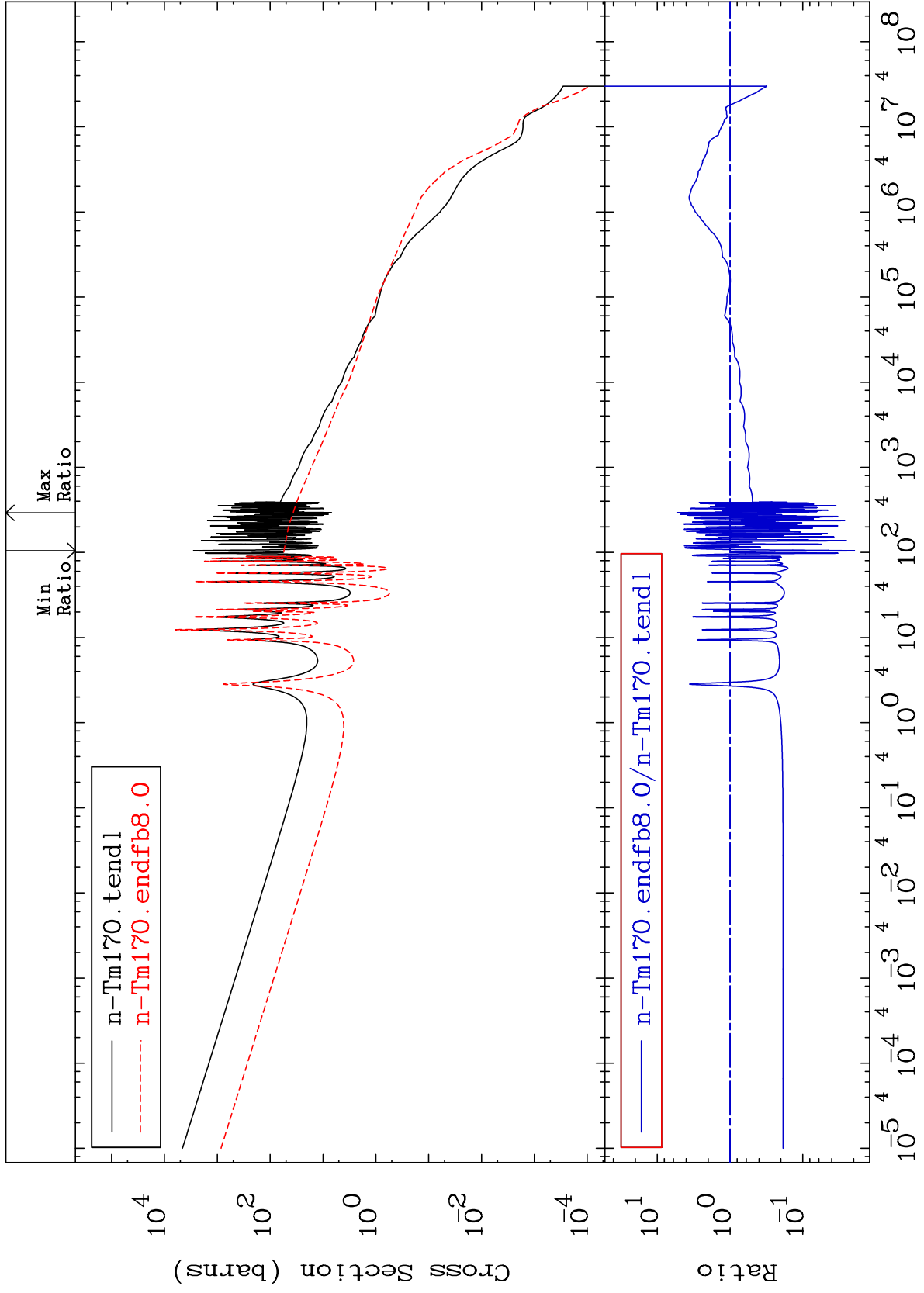
69-Tm-170  
-100.0 To 32.29 %





MAT 6928

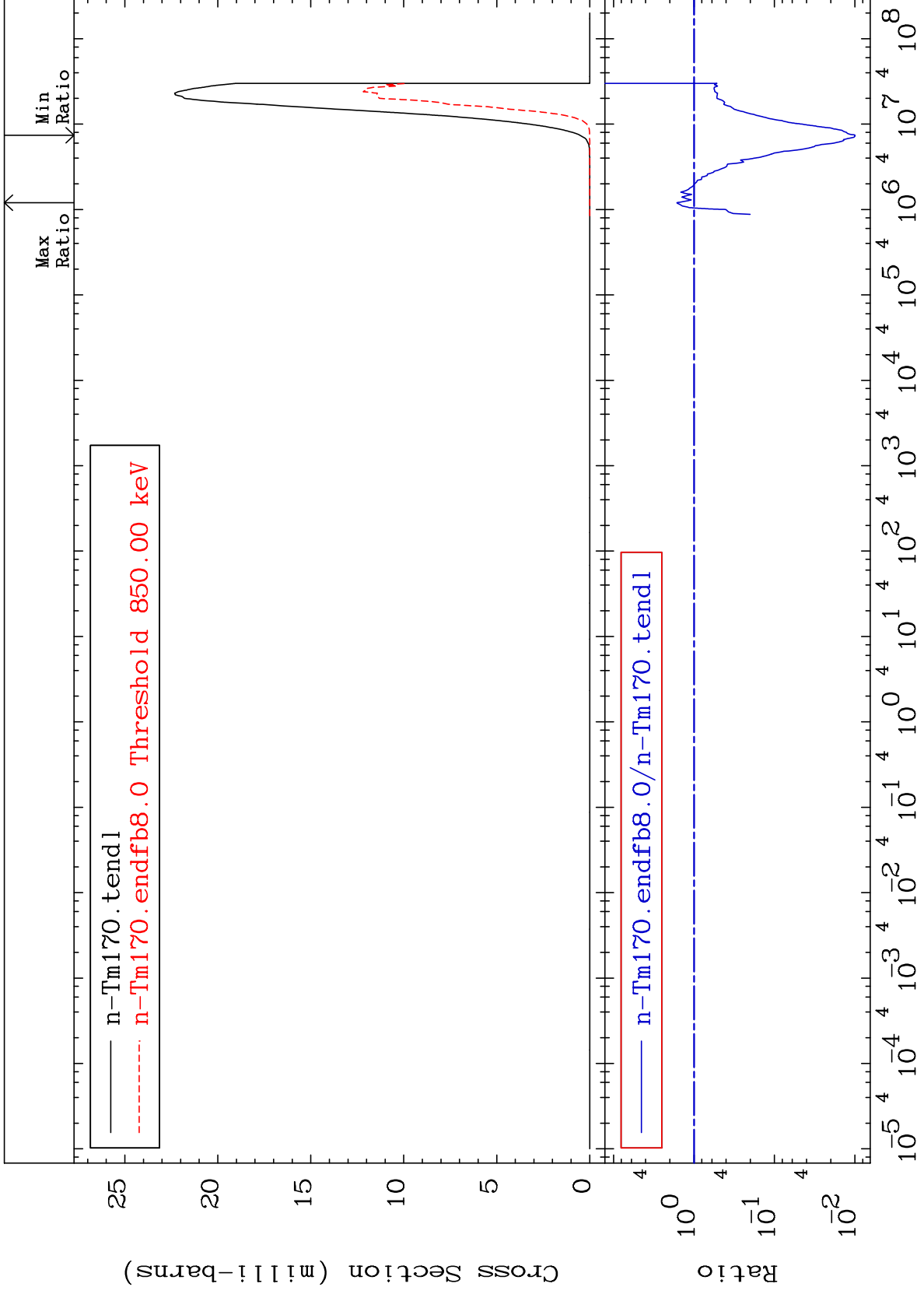
(n,  $\gamma$ )  
Cross Section  
69-Tm-170  
-98.05 To 440.0 %



MAT 6928

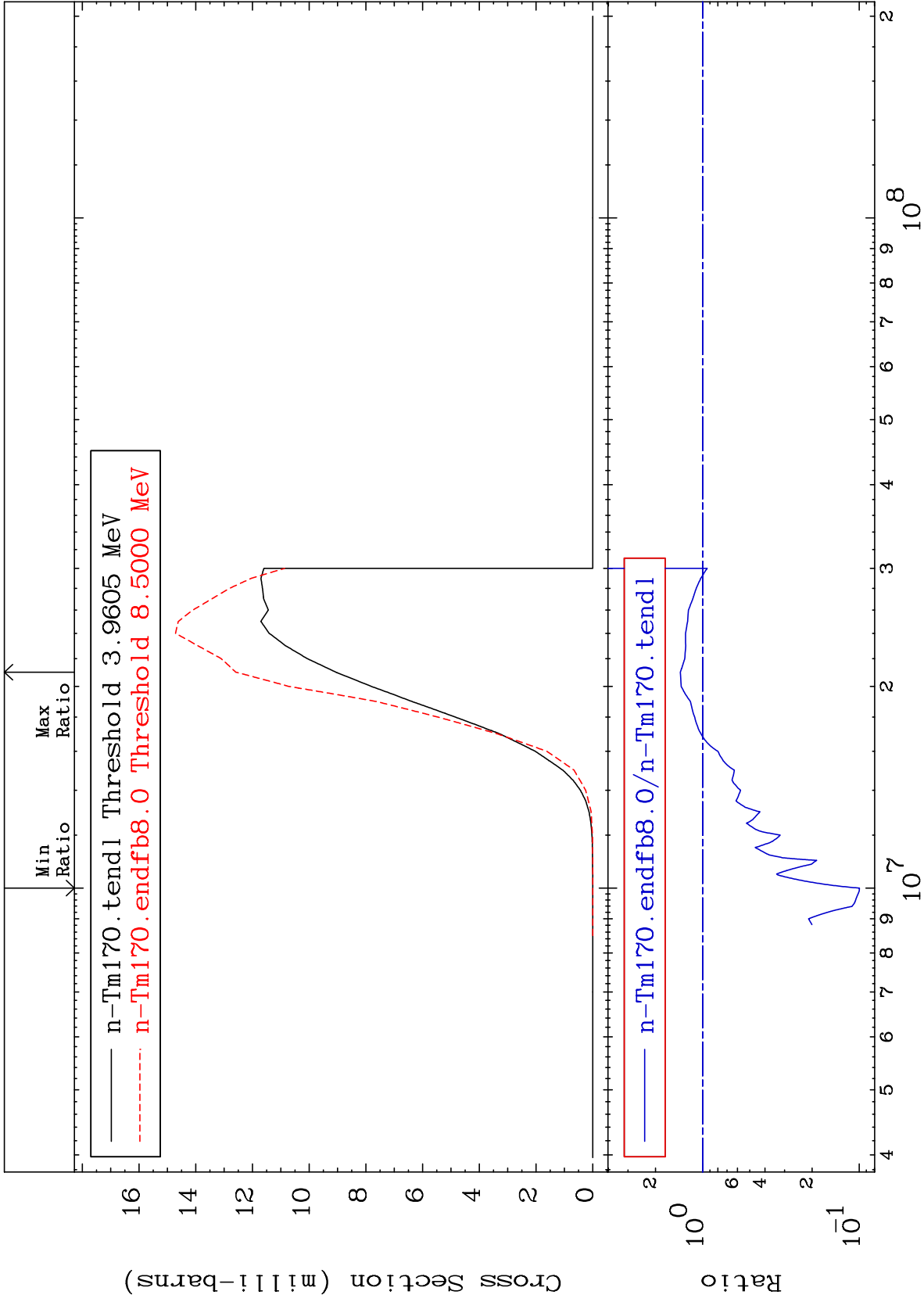
(n,p)  
Cross Section

69-Tm-170  
-99.00 To 63.19 %



MAT 6928

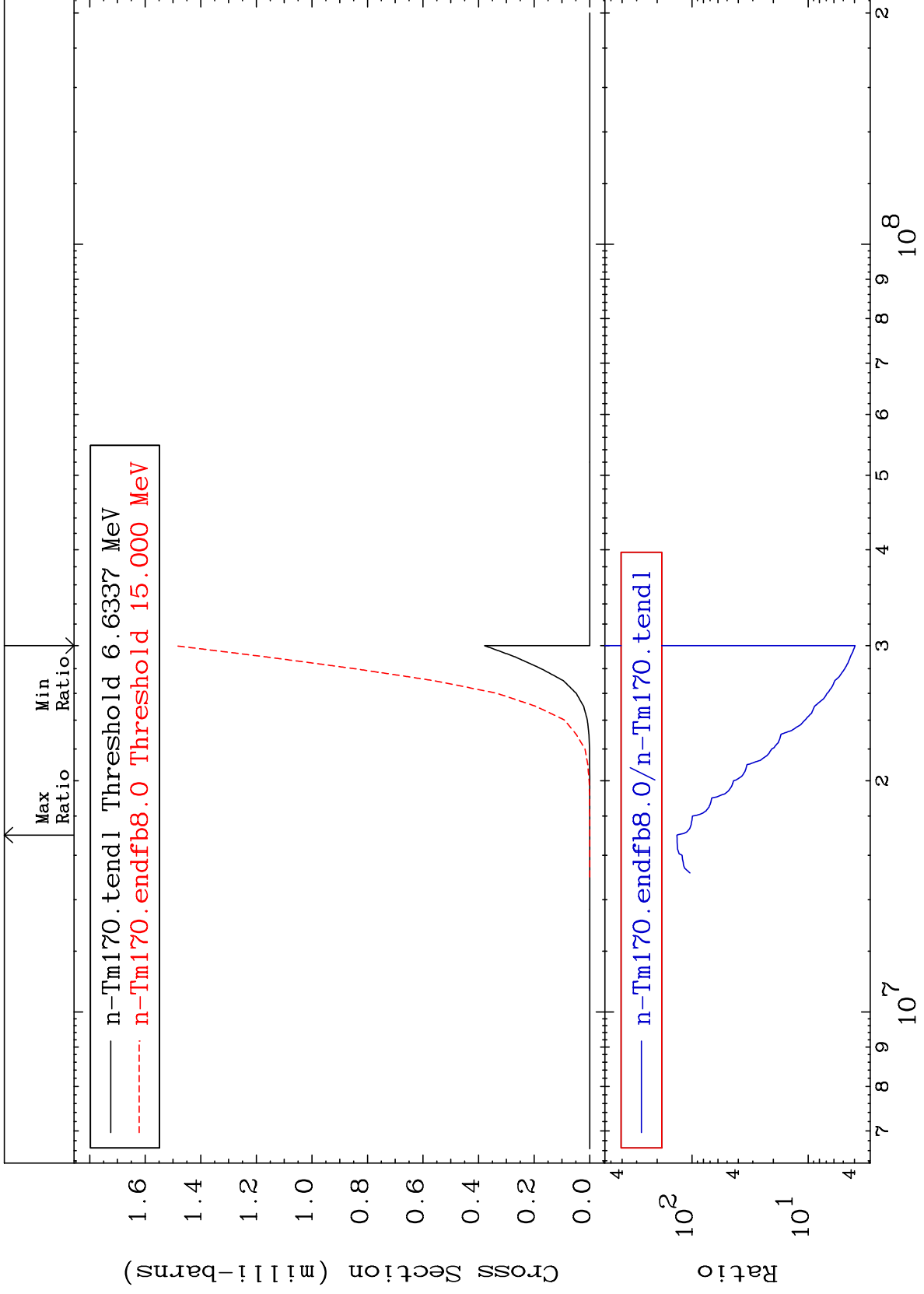
(n, d)  
Cross Section  
69-Tm-170  
-90.03 To 38.93 %



MAT 6928

(n, He-3)

69-Tm-170  
294.8 To 9999. %  
Cross Section



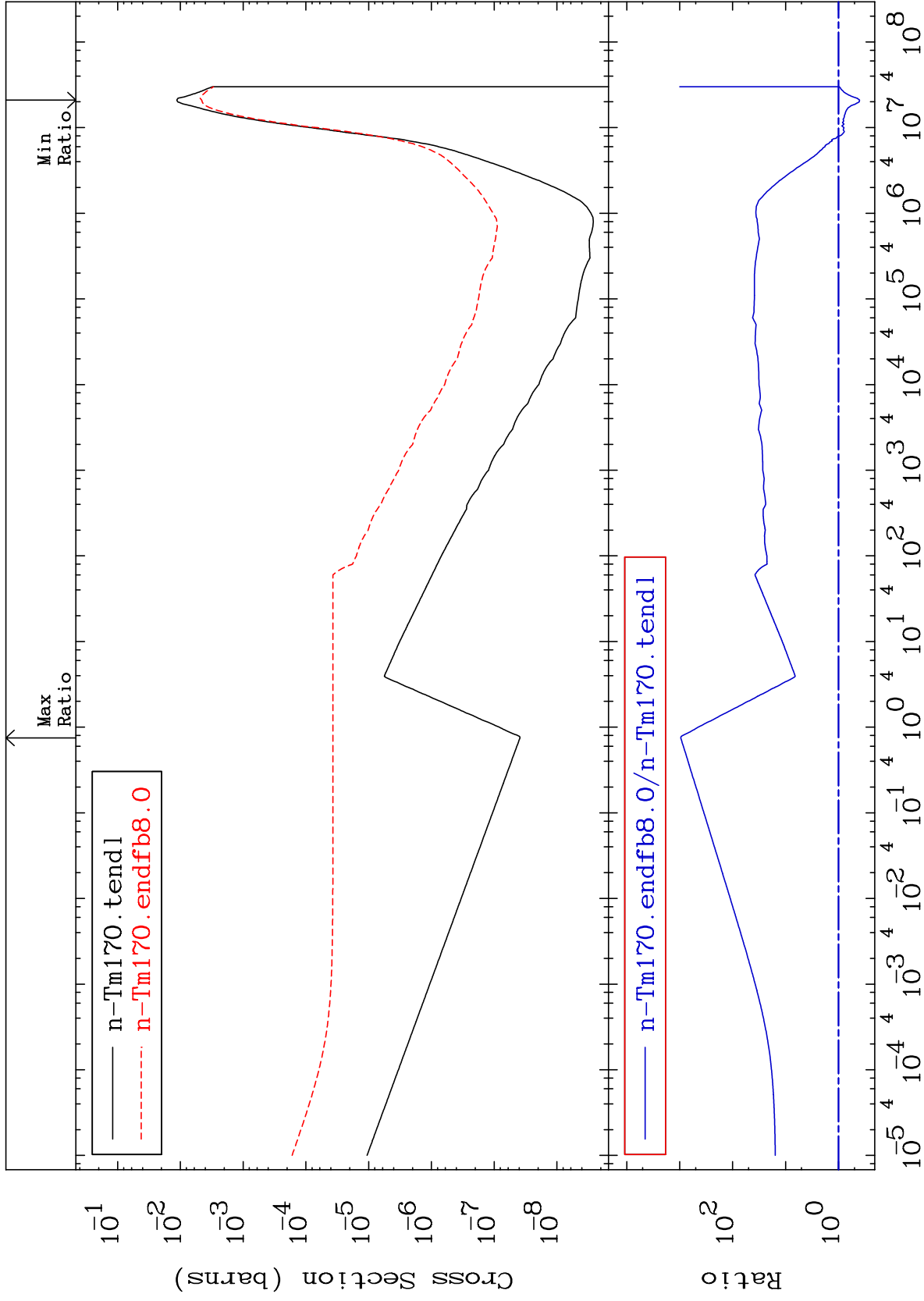
MAT 6928

(n,  $\alpha$ )

69-Tm-170

Cross Section

-59.88 To 9999. %

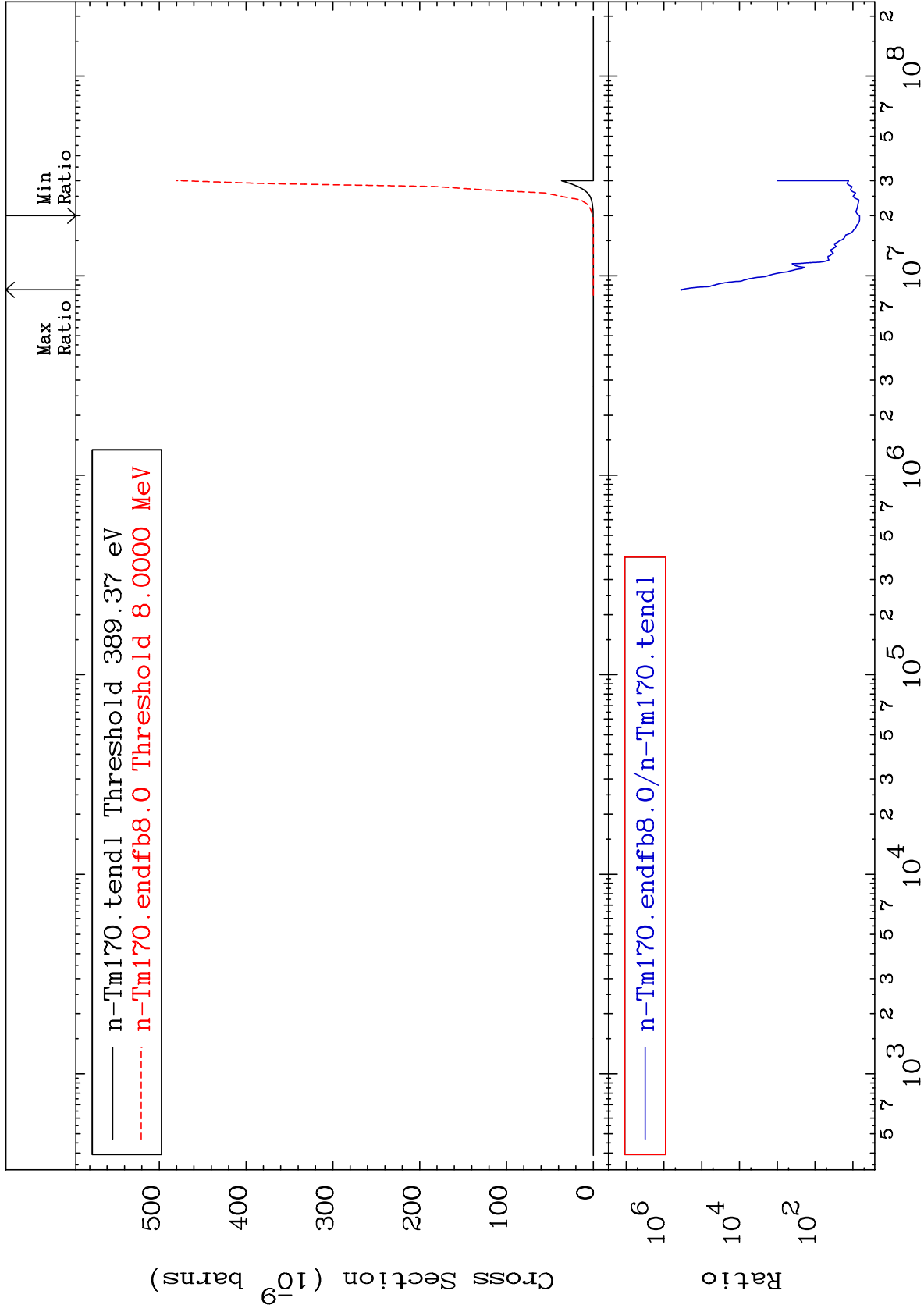


MAT 6928

(n, p)  $\alpha$   
Cross Section

69-Tm-170

564.1 To 9999. %



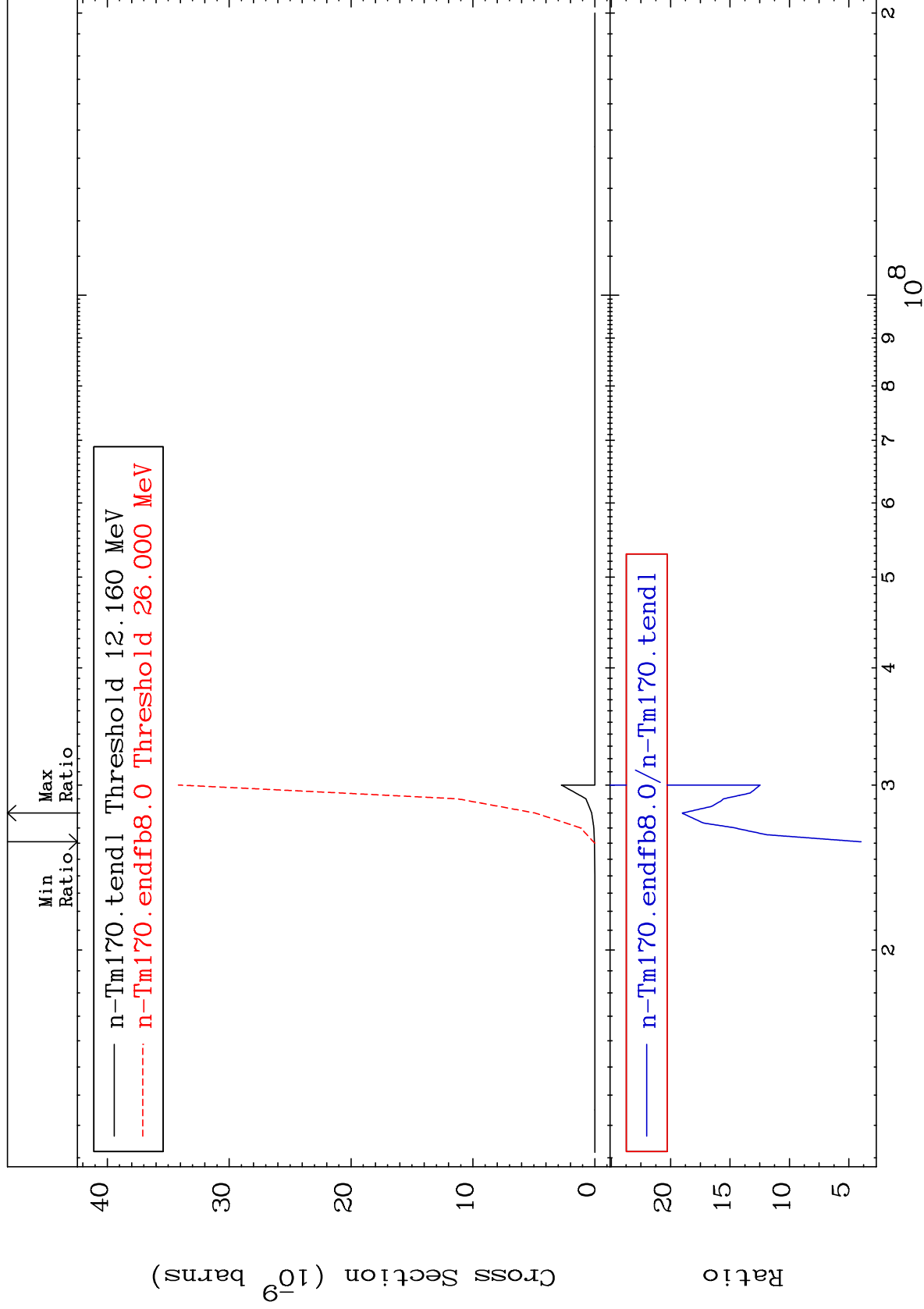
MAT 6928

(n, p) d

69-Tm-170

Cross Section

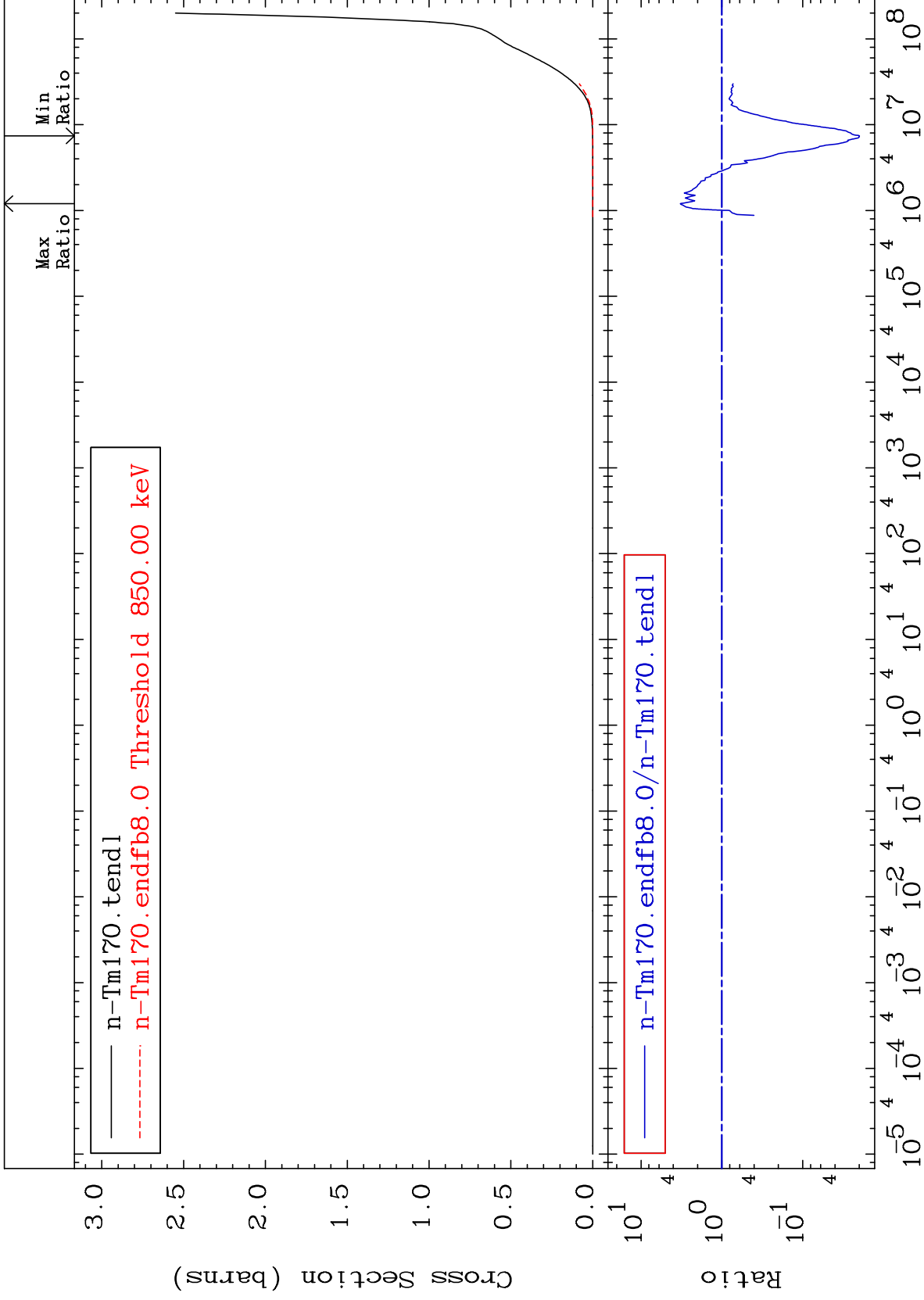
296.3 To 1801. %



47

Incident Energy (eV)

69-Tm-170

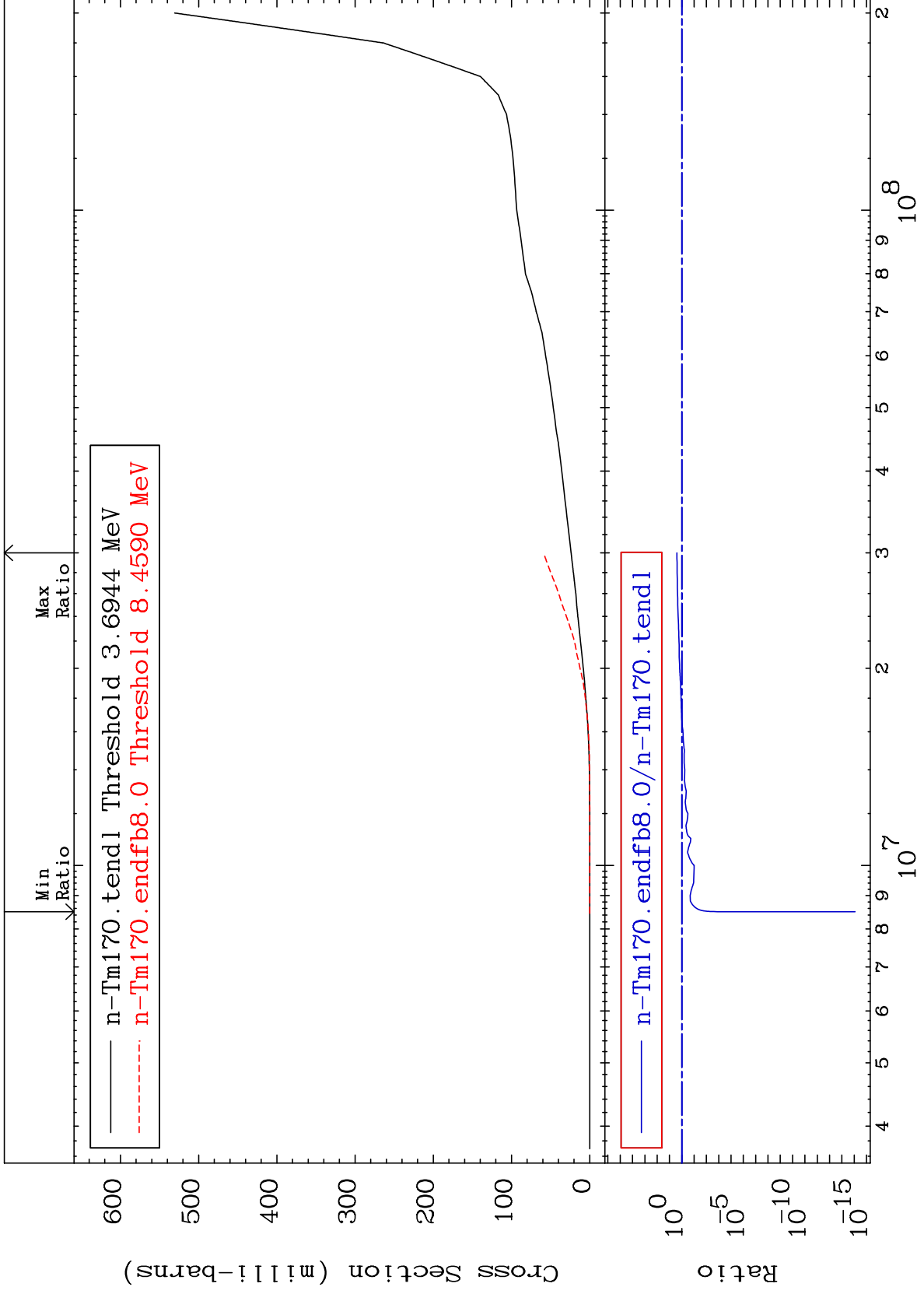




MAT 6928

Deuterium Production  
Cross Section

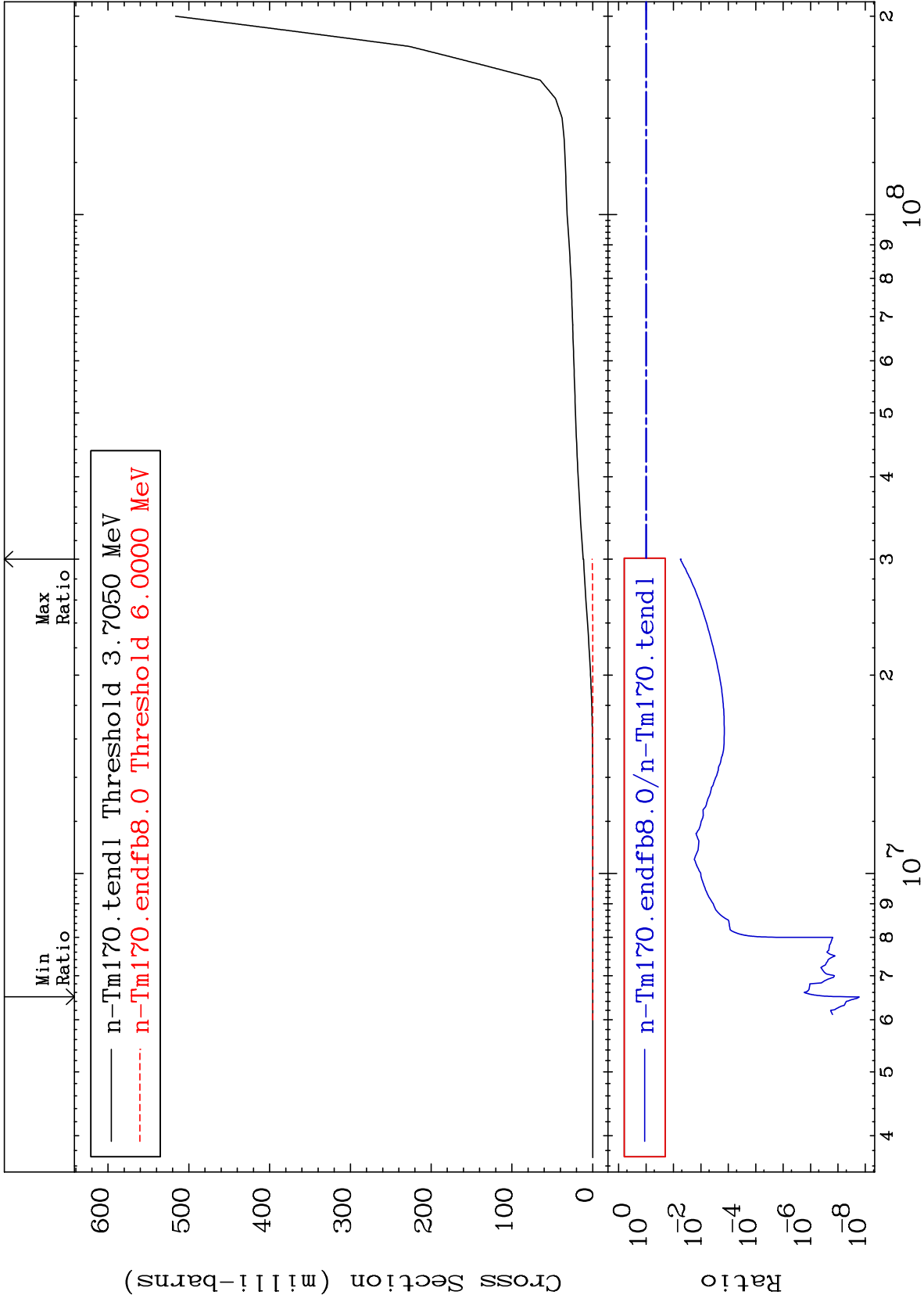
69-Tm-170  
-100.0 To 147.8 %



MAT 6928

Tritium Production  
Cross Section

69-Tm-170  
-100.0 To -94.39%



50

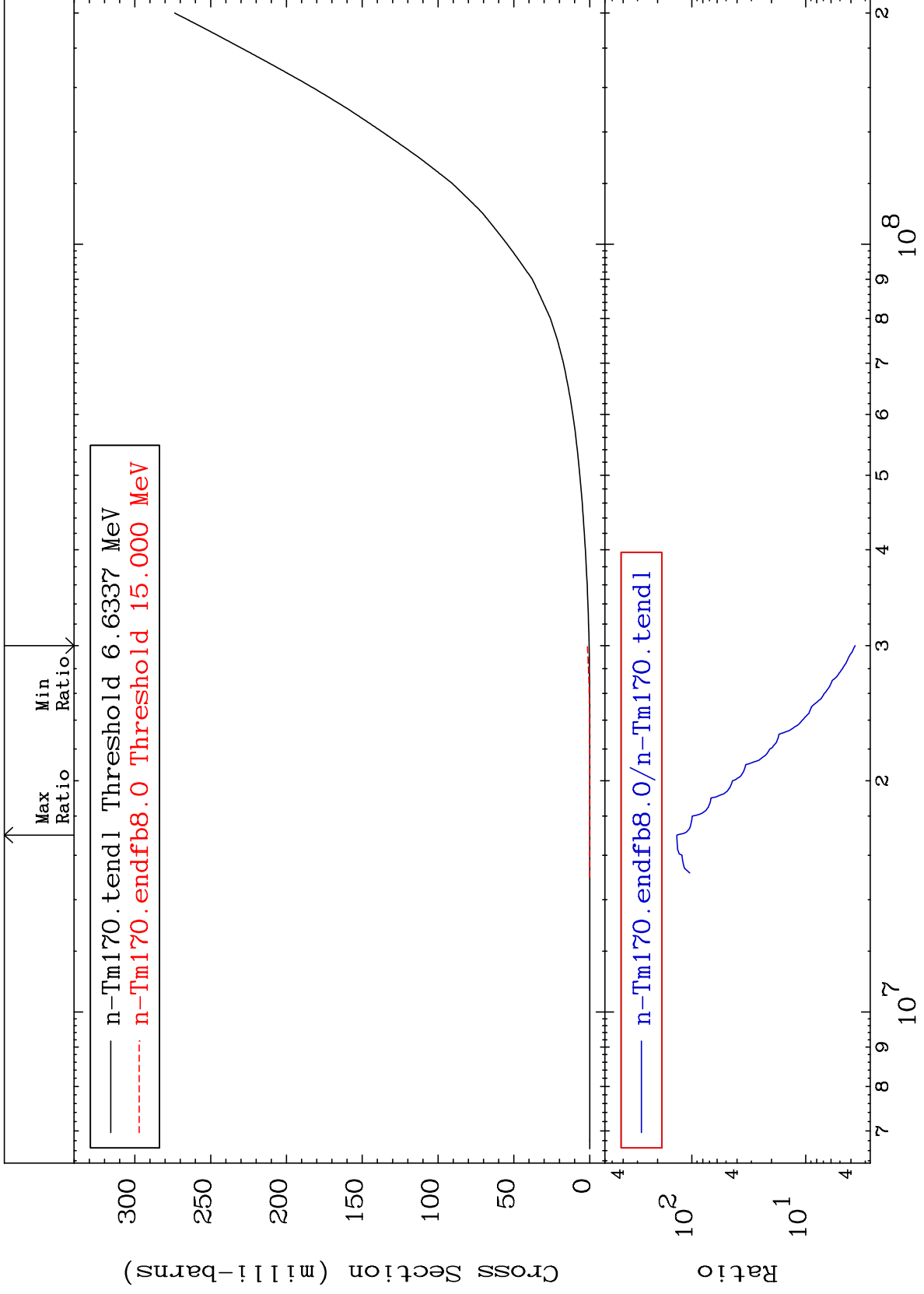
Incident Energy (eV)

69-Tm-170

MAT 6928

He-3 Production  
Cross Section

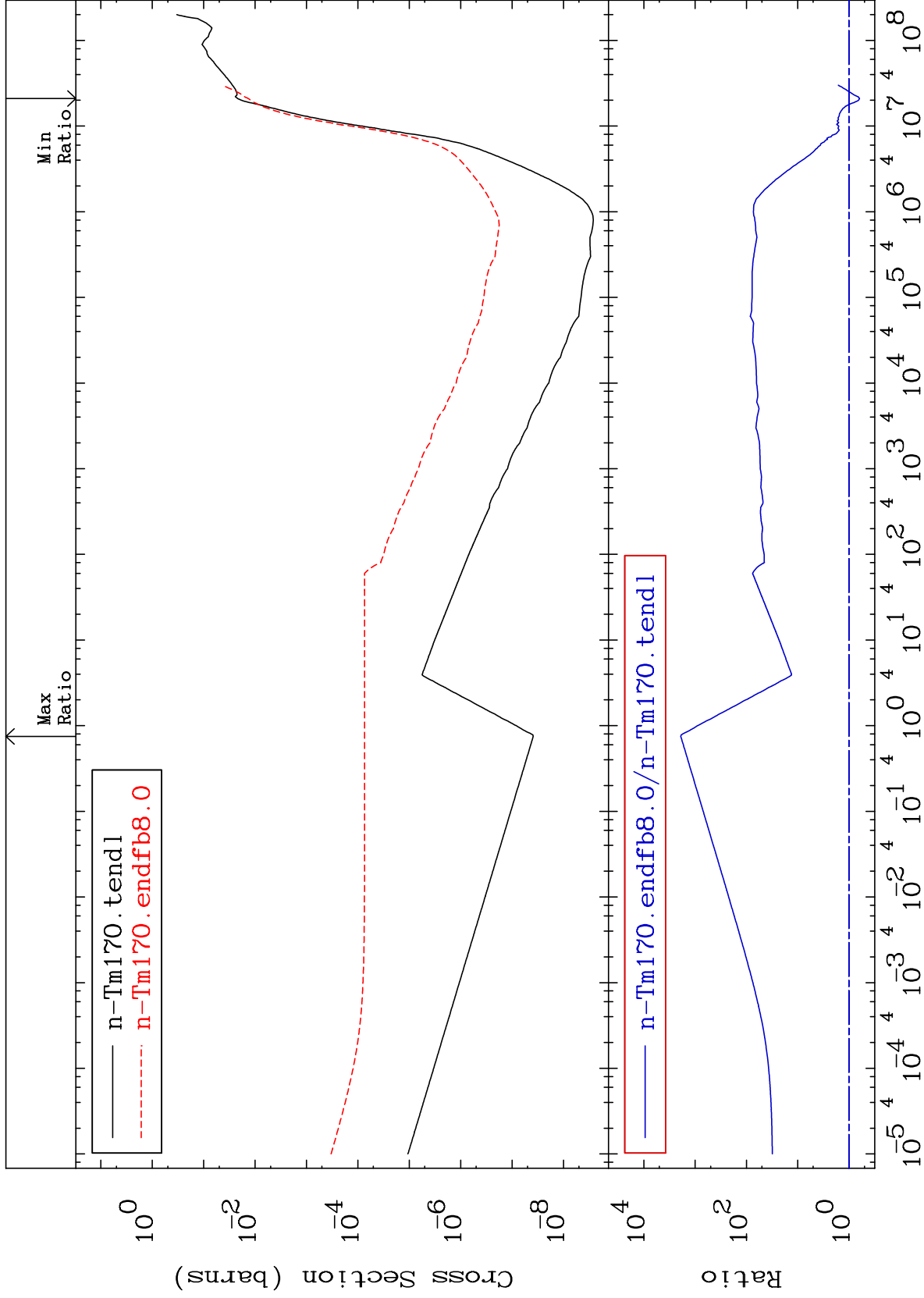
69-Tm-170  
268.2 To 9999. %



MAT 6928

He-4 Production  
Cross Section

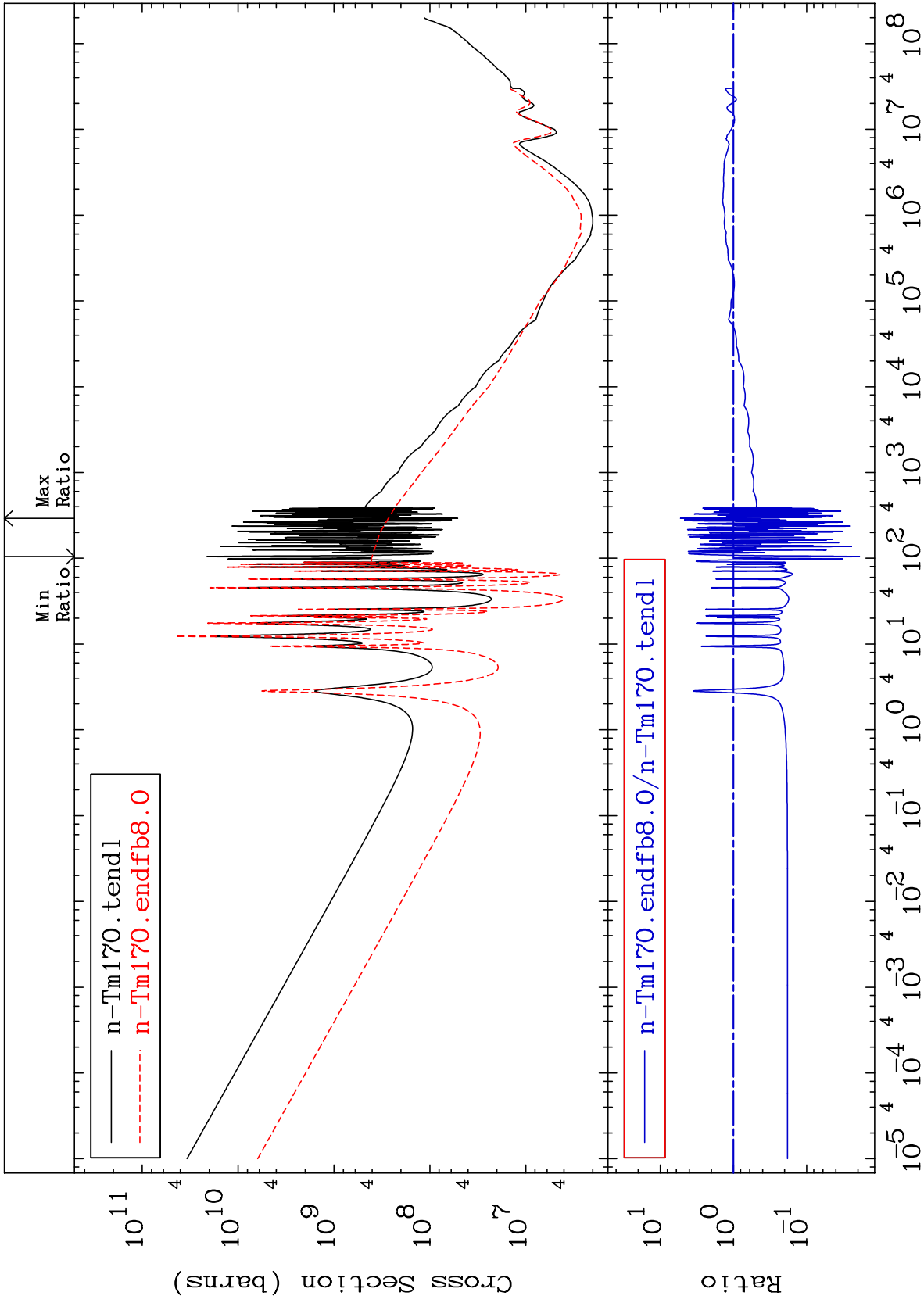
69-Tm-170  
-37.68 To 9999. %

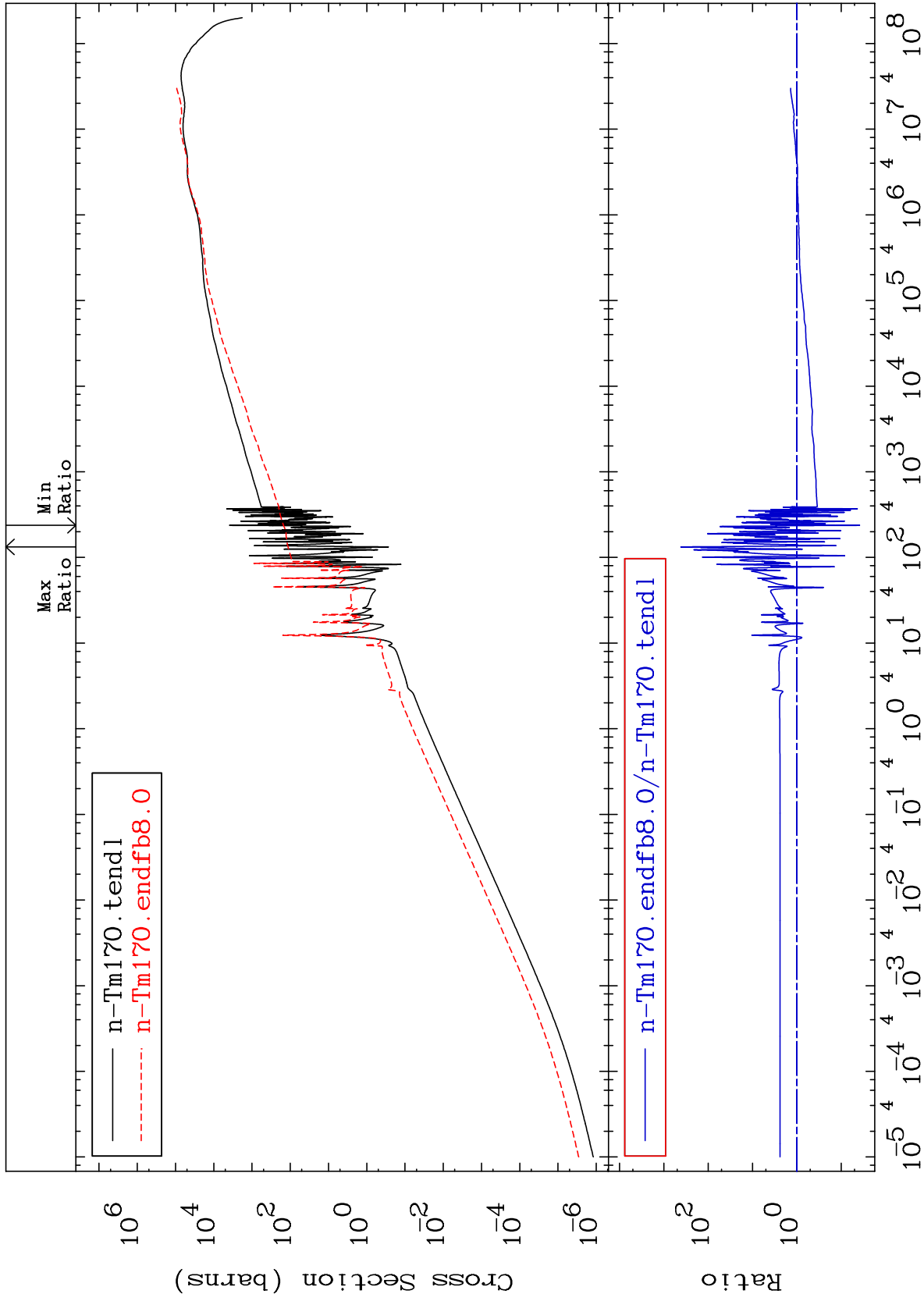


52

Incident Energy (eV)

69-Tm-170

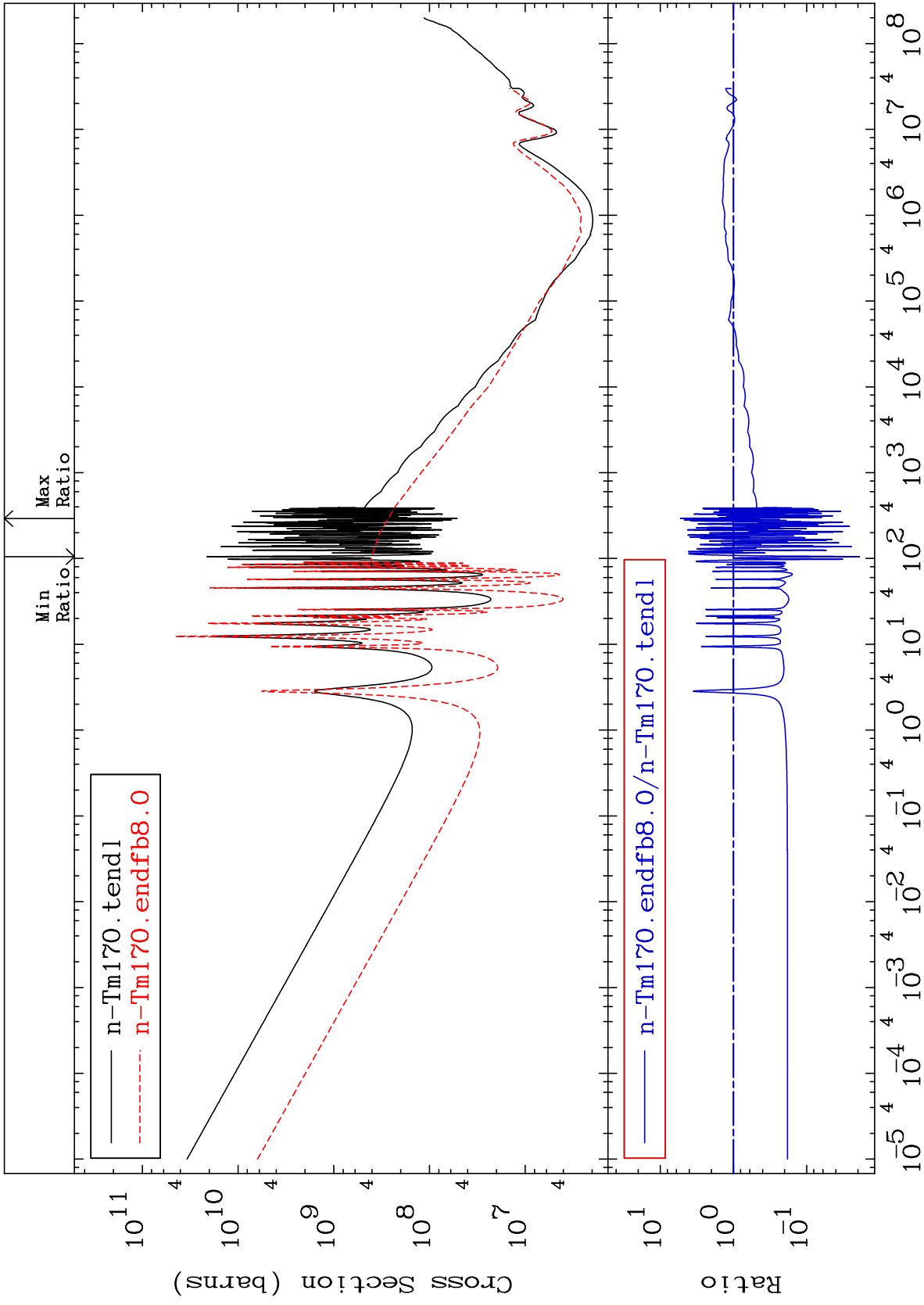




MAT 6928

Kerma non-elastic (all but mt2)  
Cross Section

69-Tm-170  
-98.09 To 430.6 %



55

Incident Energy (eV)

69-Tm-170

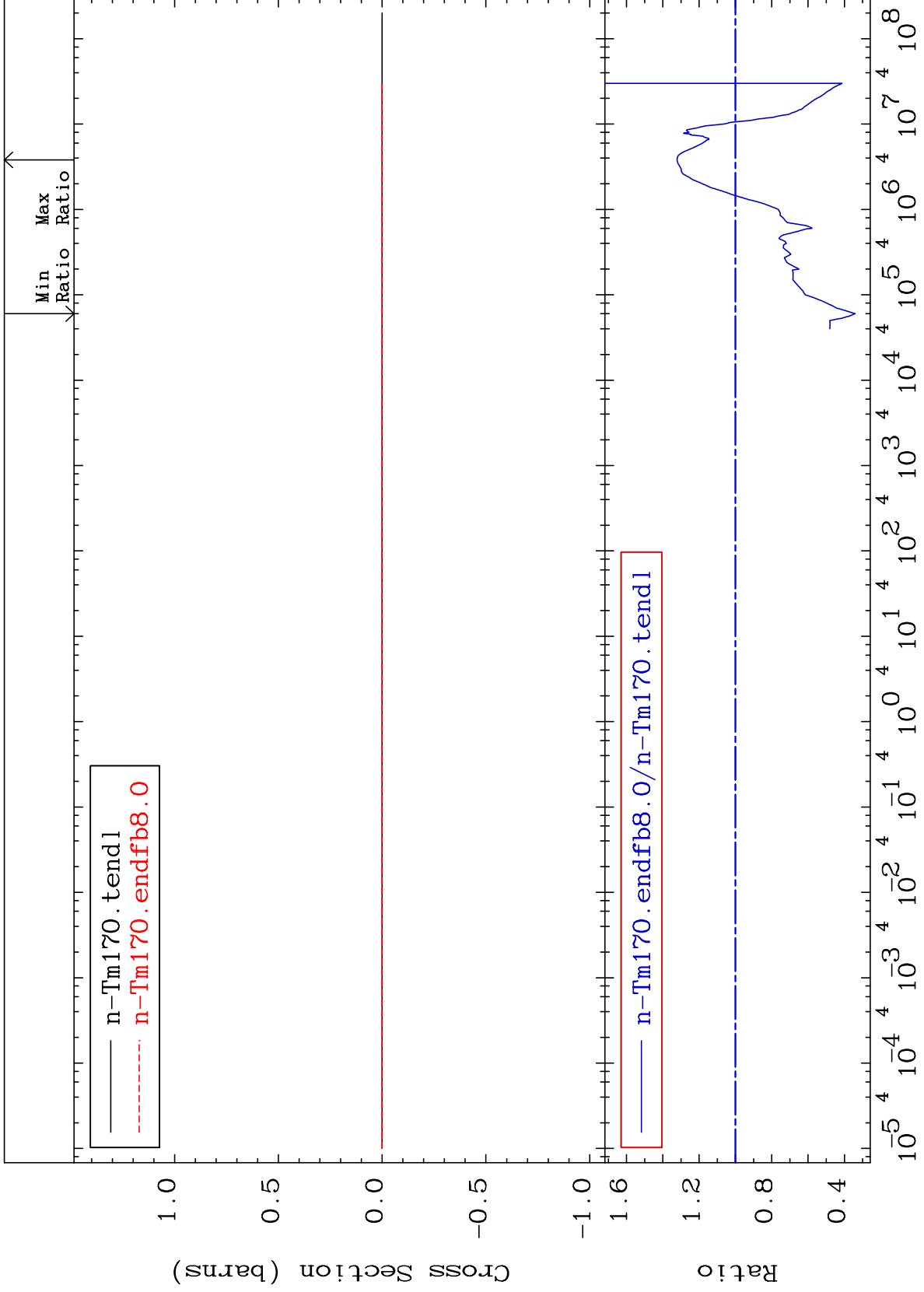




MAT 6928

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

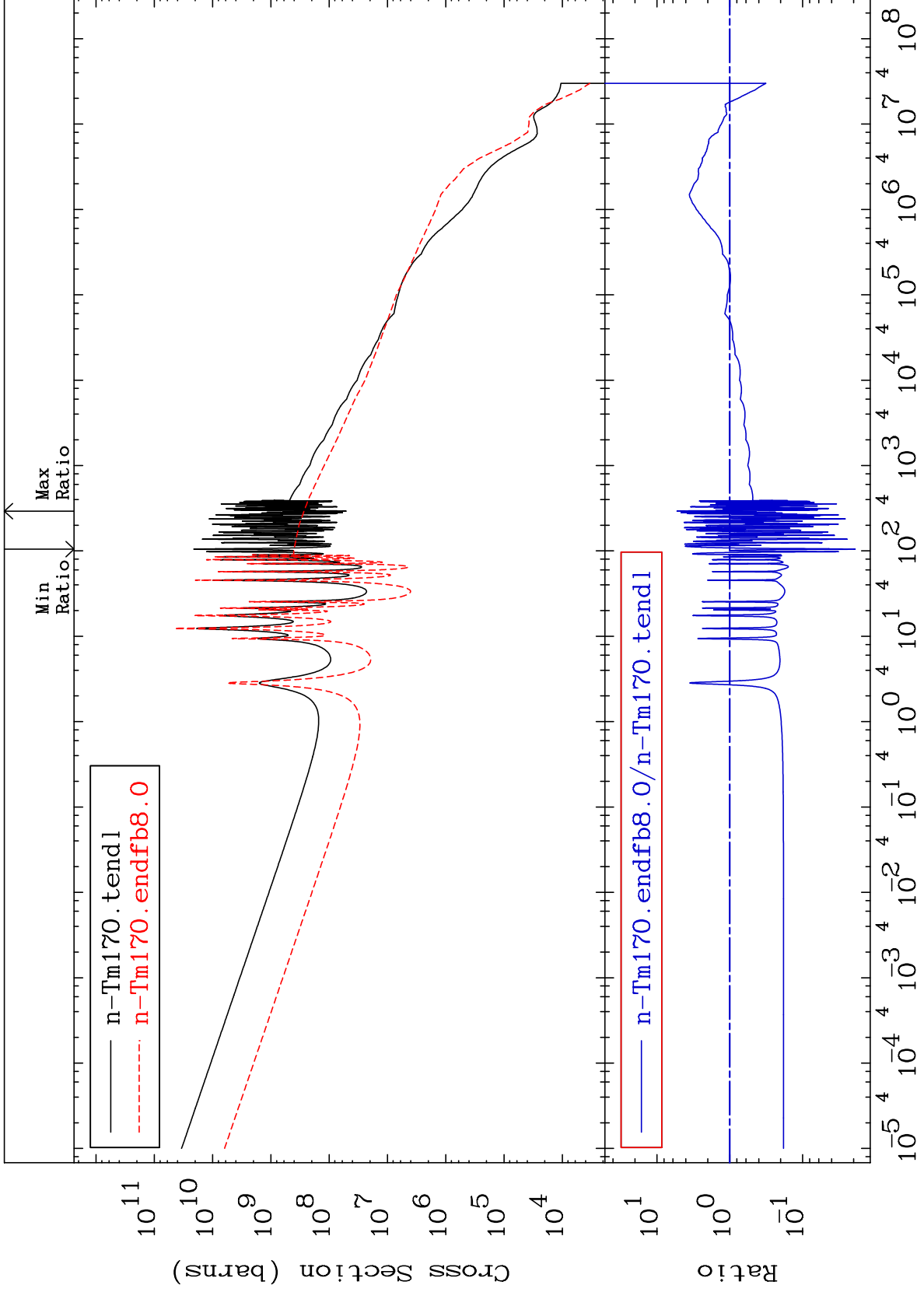
69-Tm-170  
-65.88 To 32.23 %



MAT 6928

Kerma capture (mt102)  
Cross Section

69-Tm-170  
-98.09 To 430.6 %



58

Incident Energy (eV)

69-Tm-170

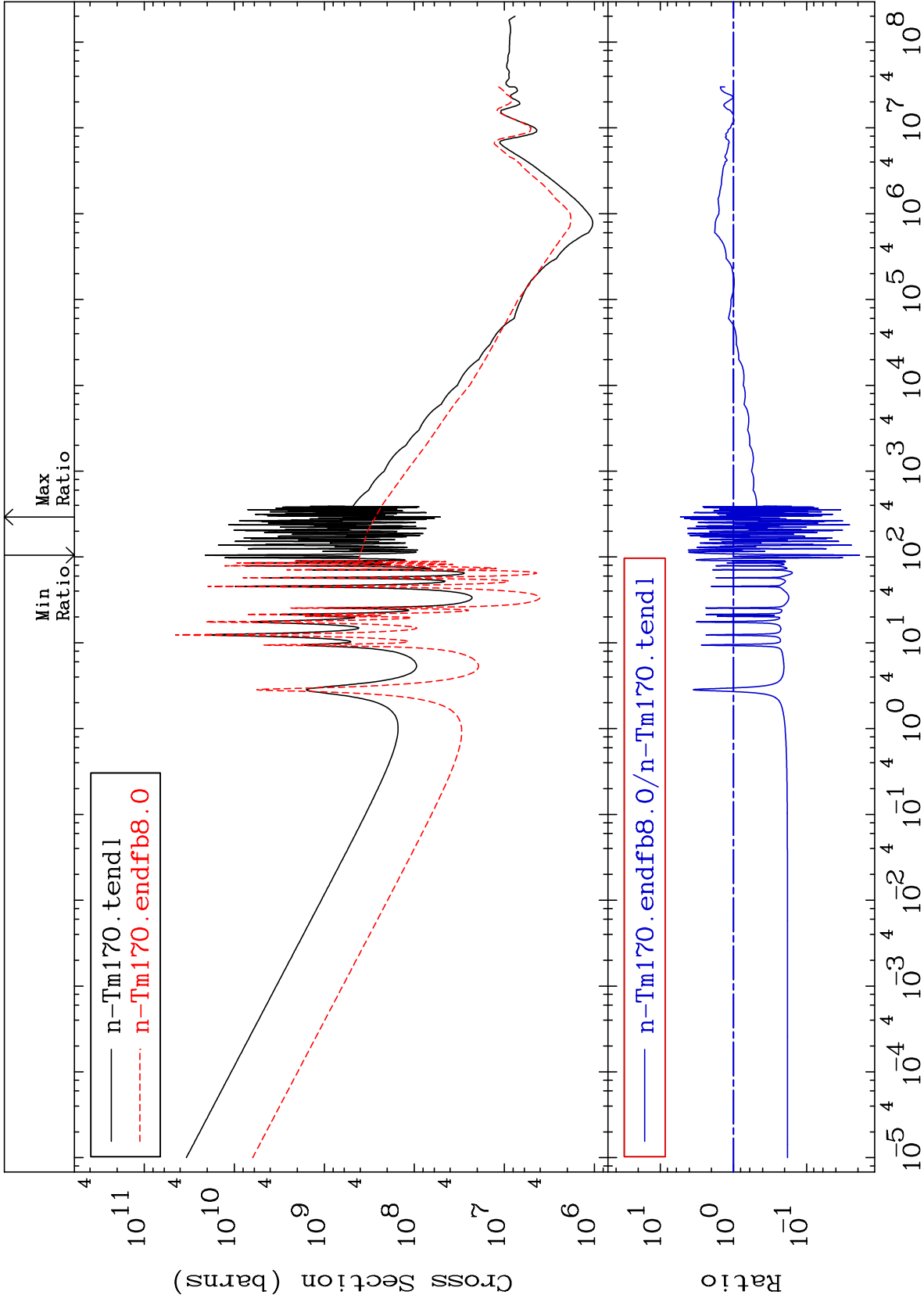
MAT 6928

Total photon (eV-barns)

69-Tm-170

Cross Section

-98.09 To 430.6 %



59

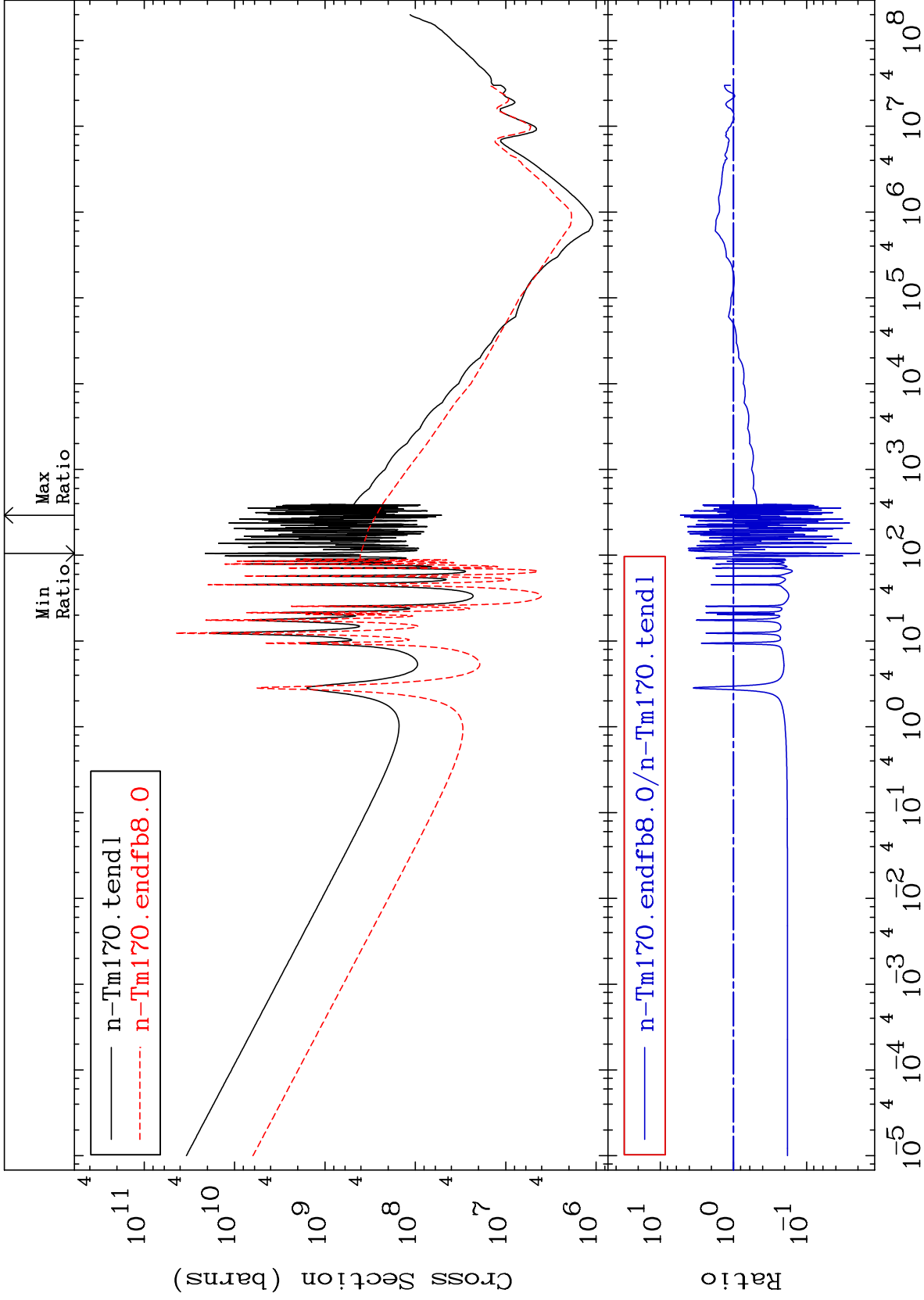
Incident Energy (eV)

69-Tm-170

MAT 6928

Total kinematic kerma (high limit)  
Cross Section

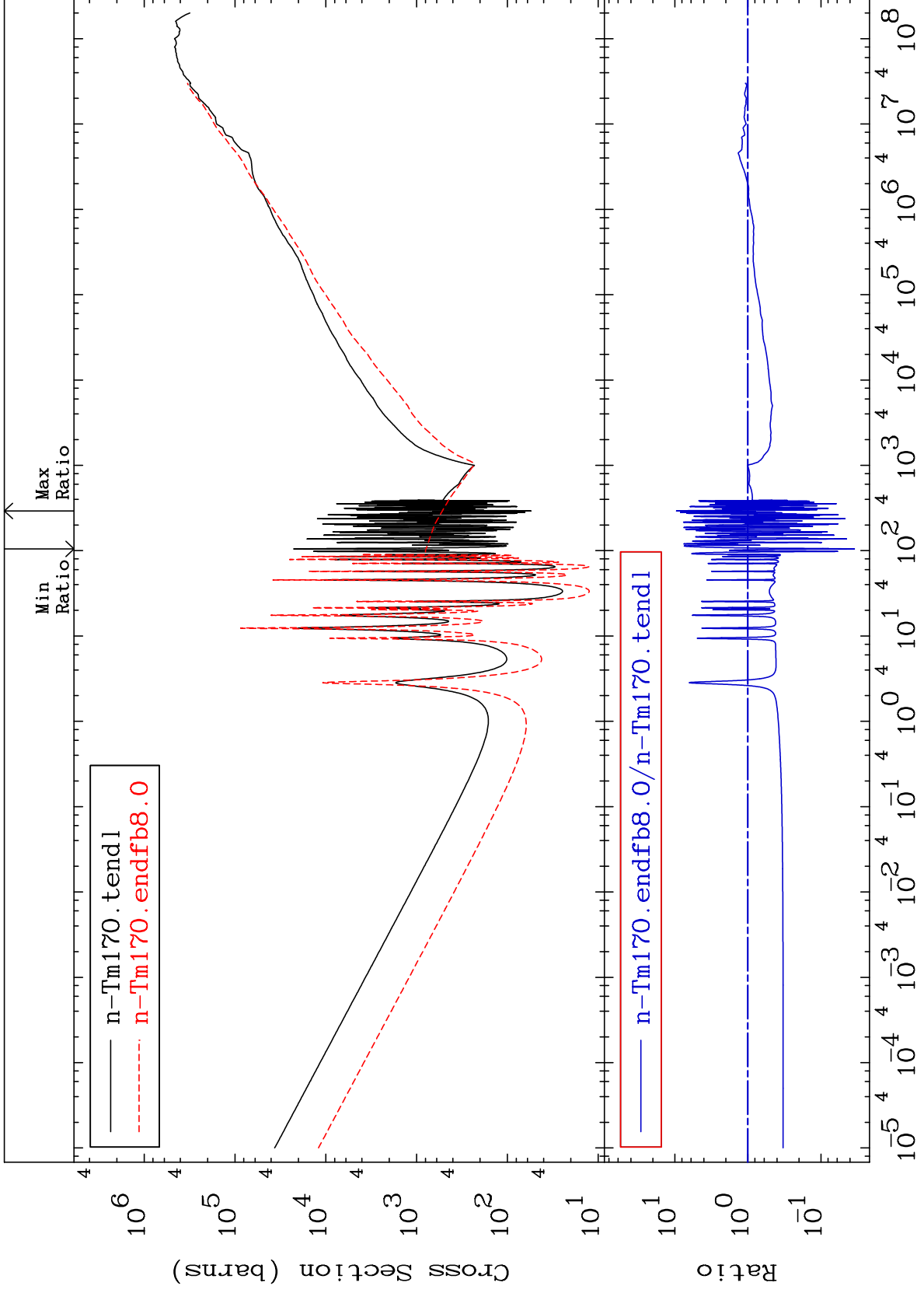
69-Tm-170  
-98.09 To 430.6 %



60

Incident Energy (eV)

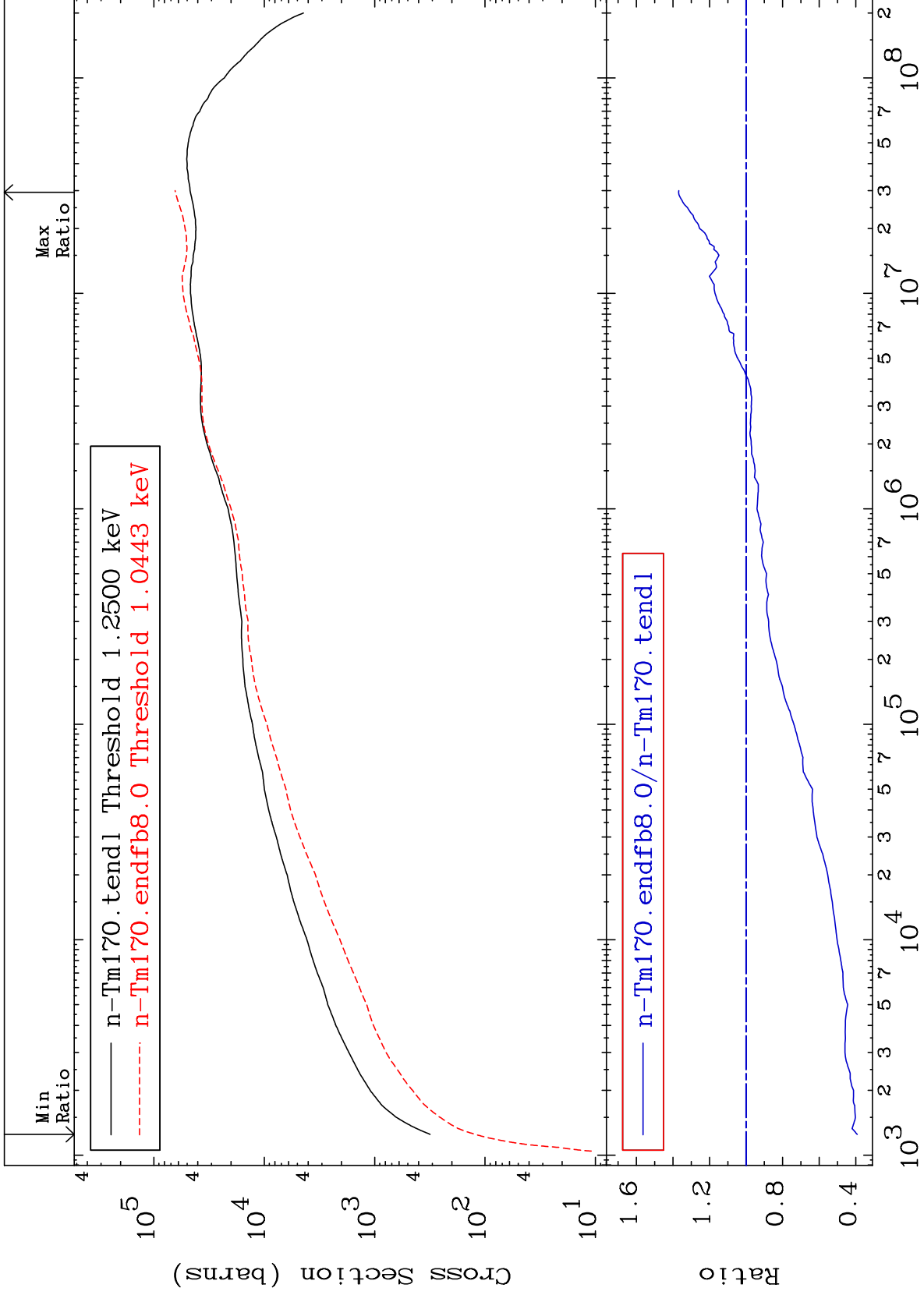
69-Tm-170

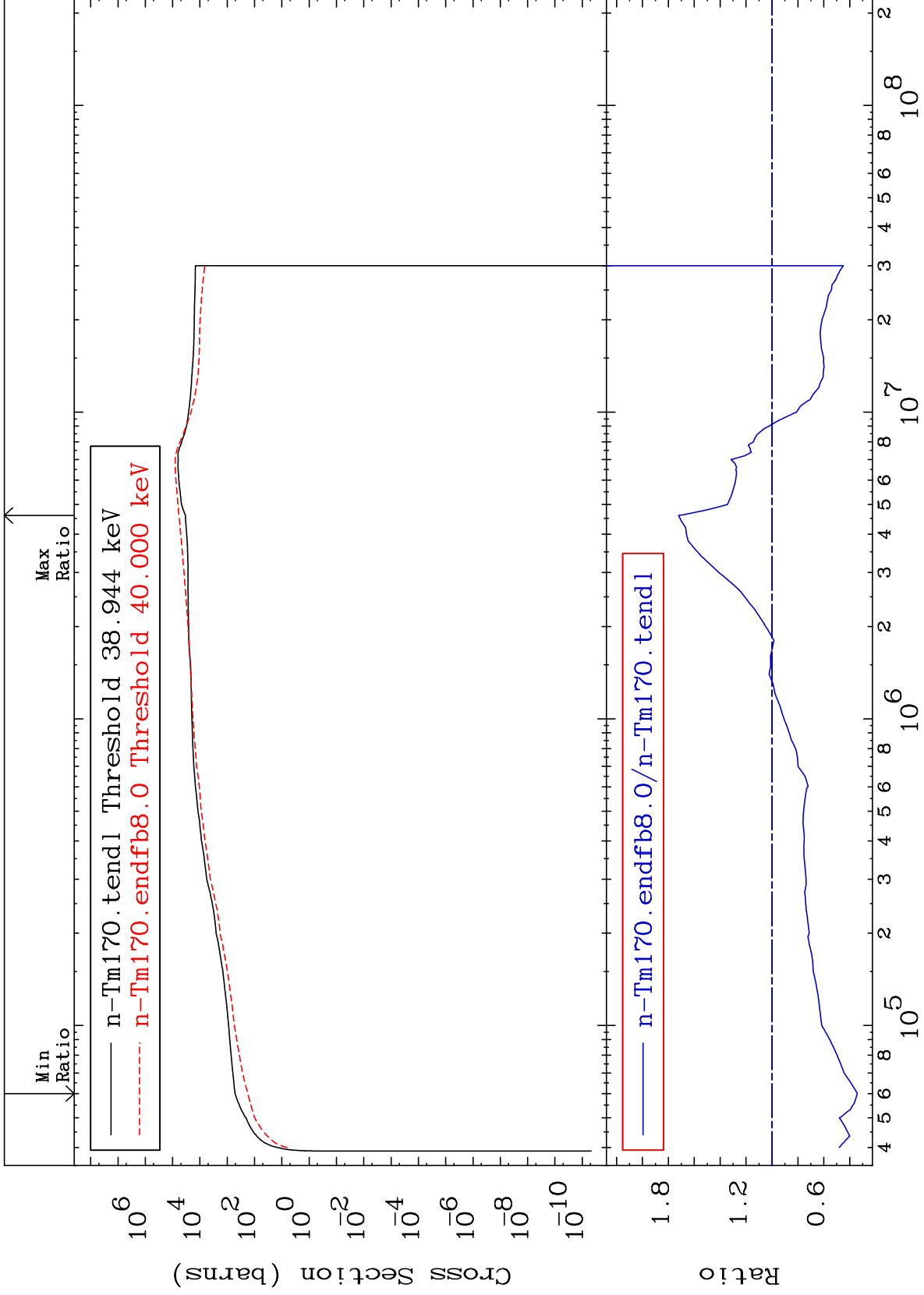


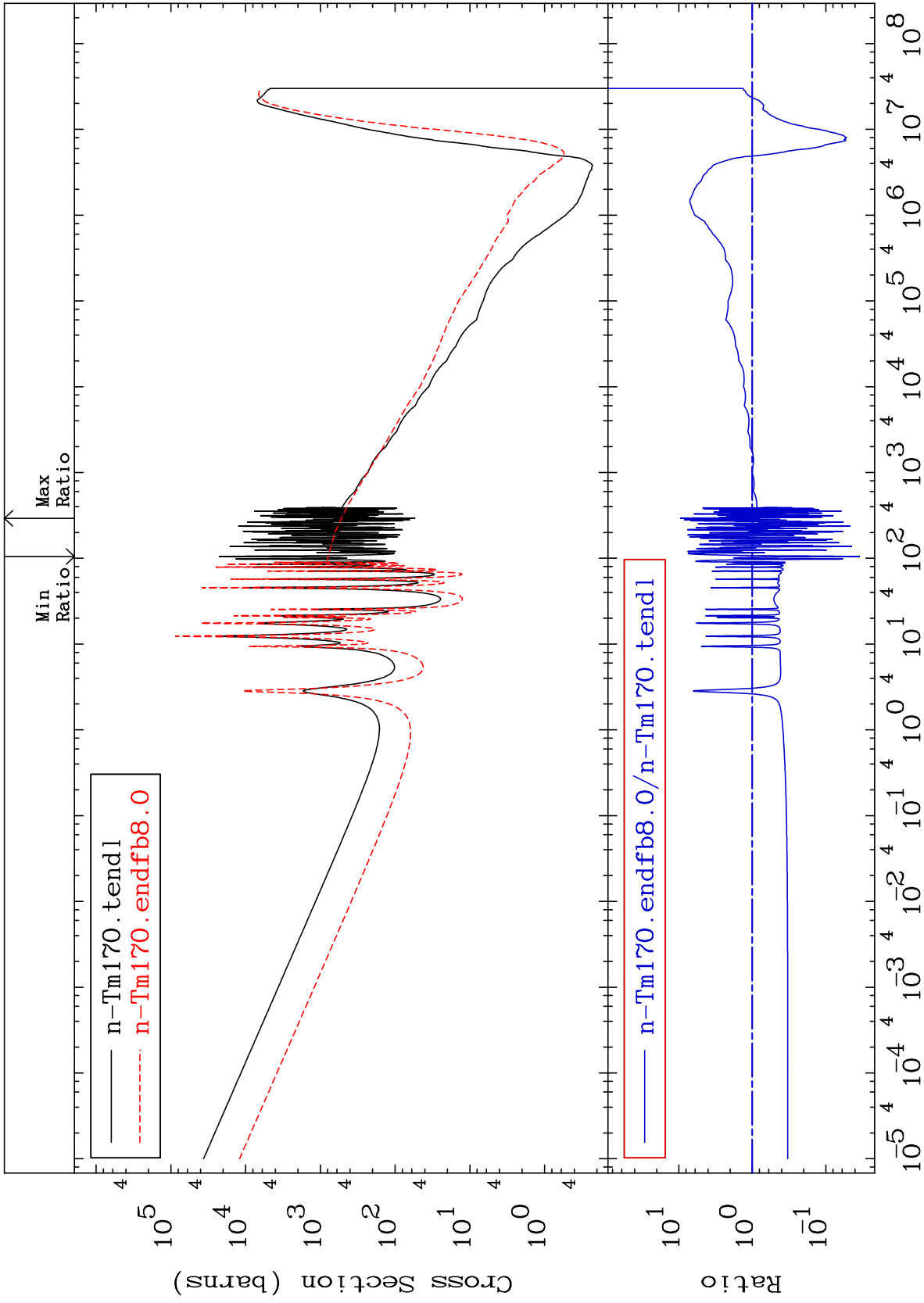
MAT 6928

Dpa elastic (mt2)  
Cross Section

69-Tm-170  
-60.80 To 36.90 %







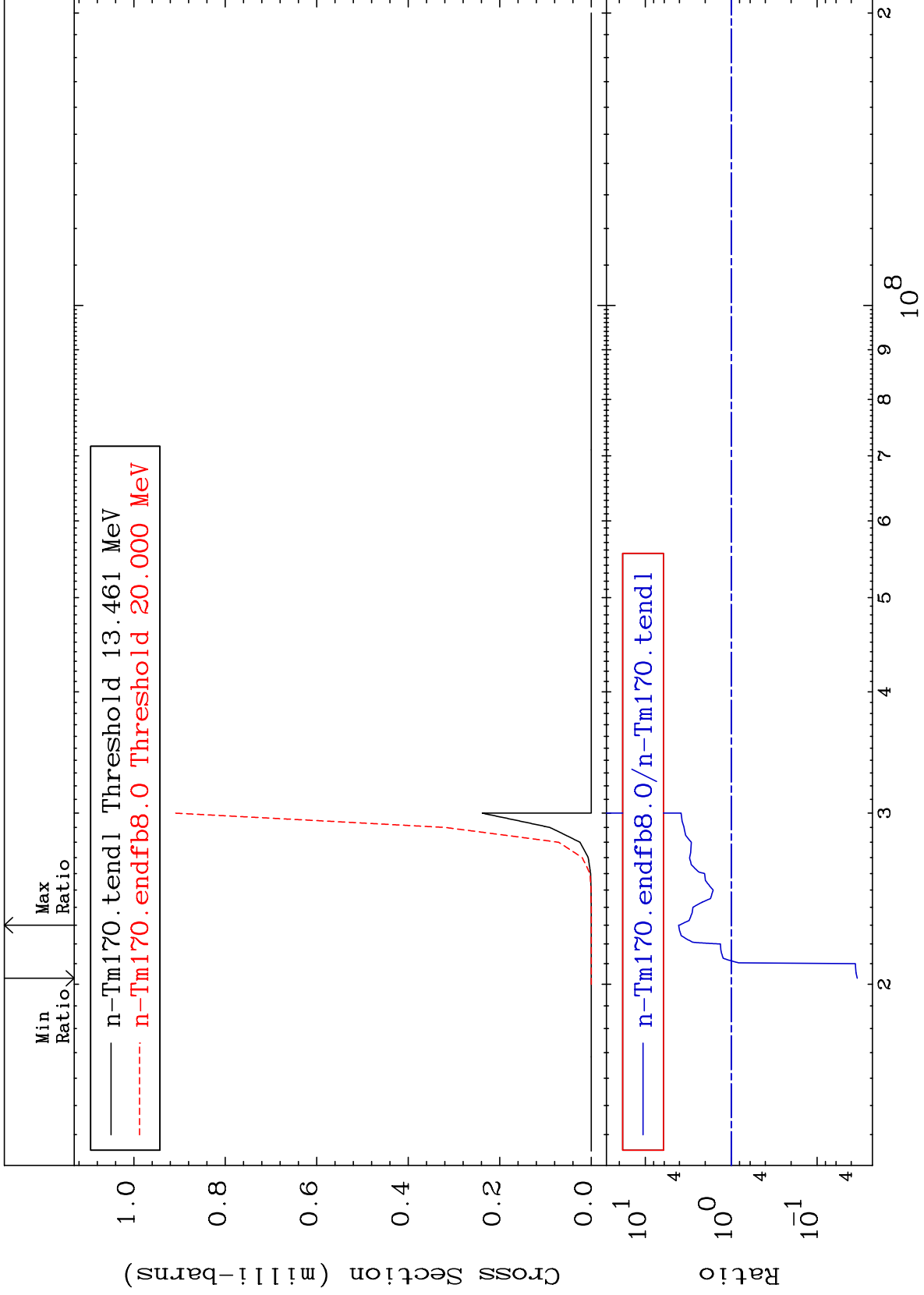


MAT 6928

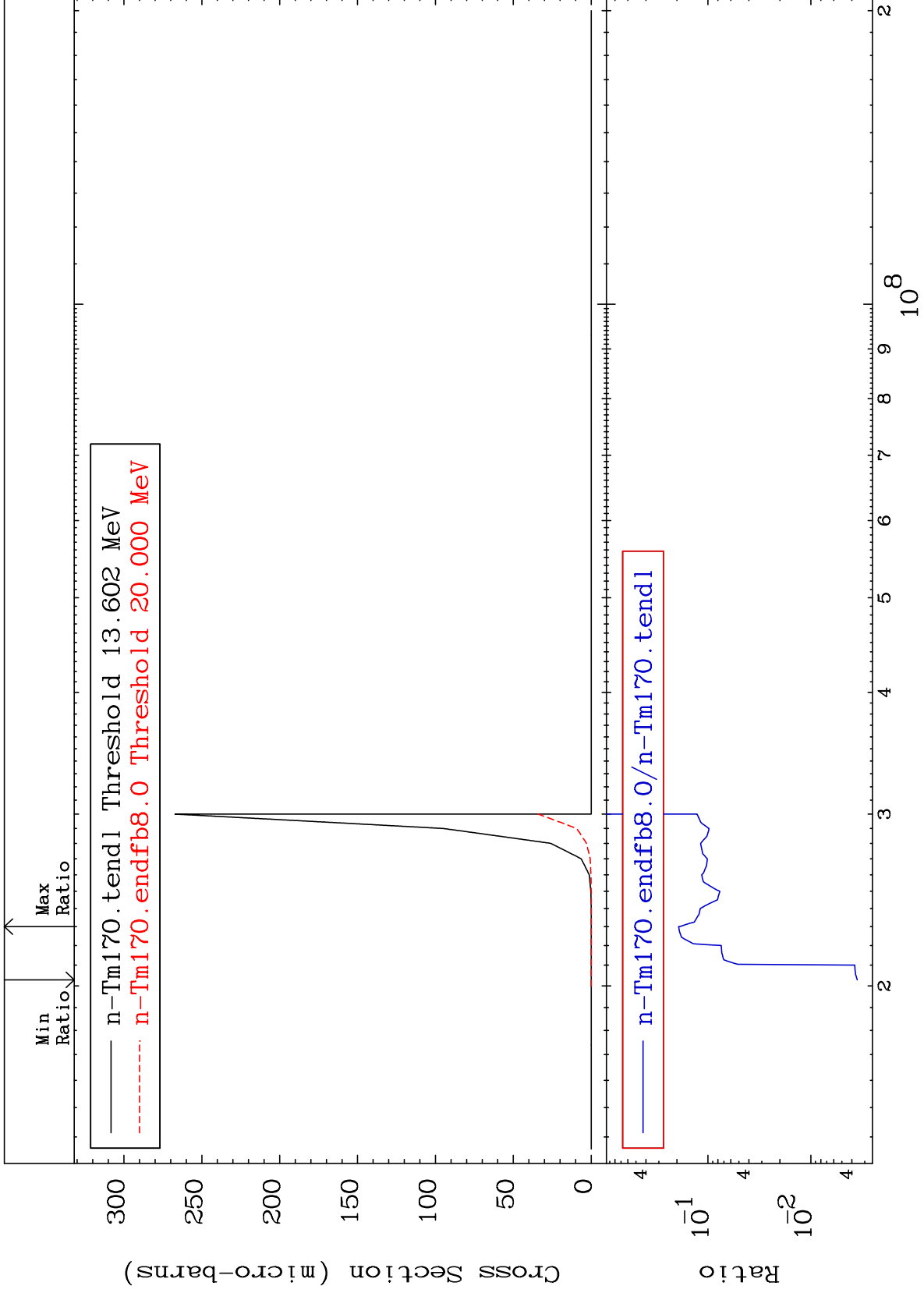
(n,3n)  $\alpha$ : 67-Ho-164g

69-Tm-170

Radionuclide Production Cross Section -96.60 To 308.6 %



Radionuclide Production Cross Section -99.65 To -80.75%

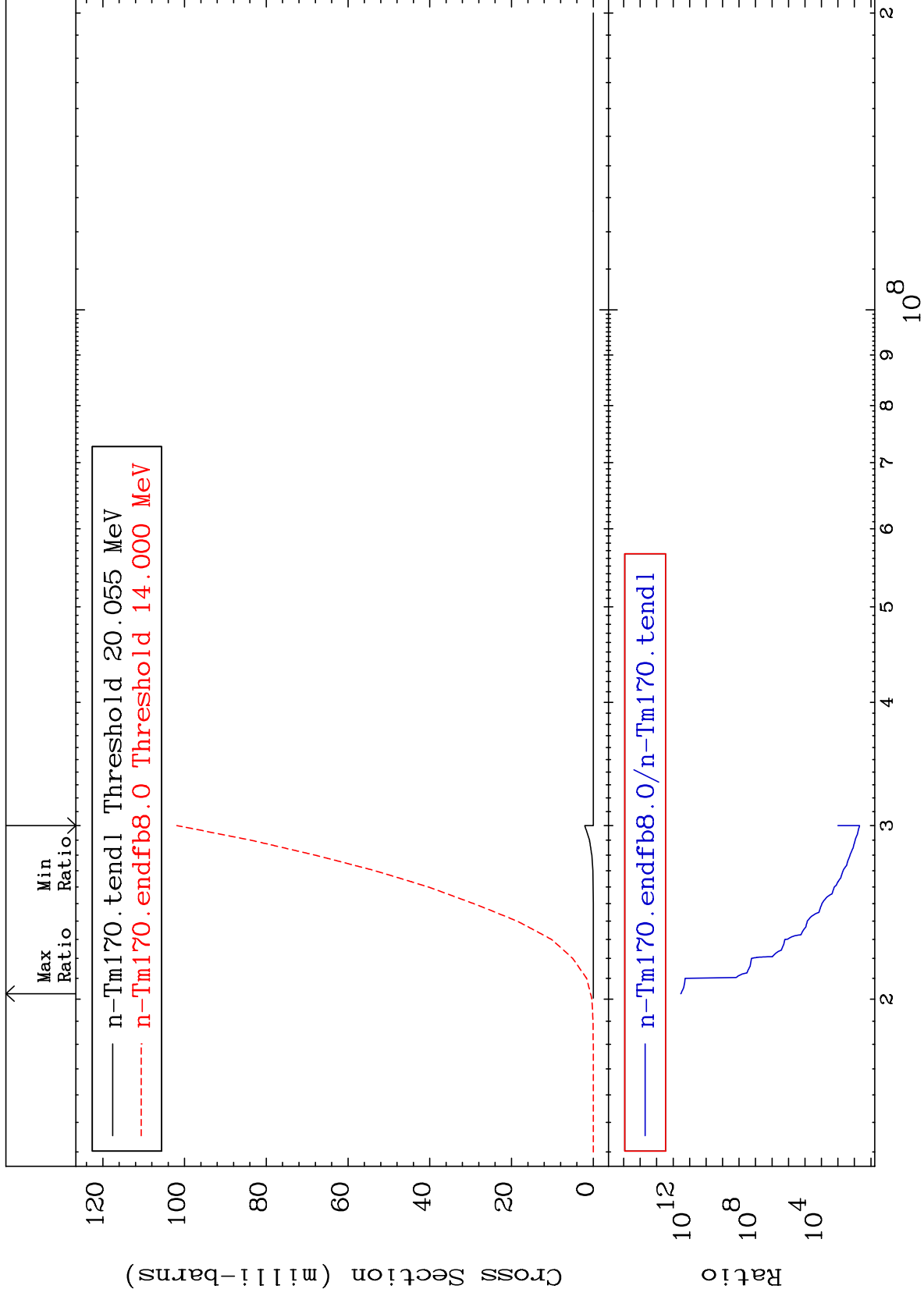


MAT 6928

(n,3n) p:68-Er-167g

69-Tm-170

Radionuclide Production Cross Section 4795. To 9999. %



67

Incident Energy (eV)

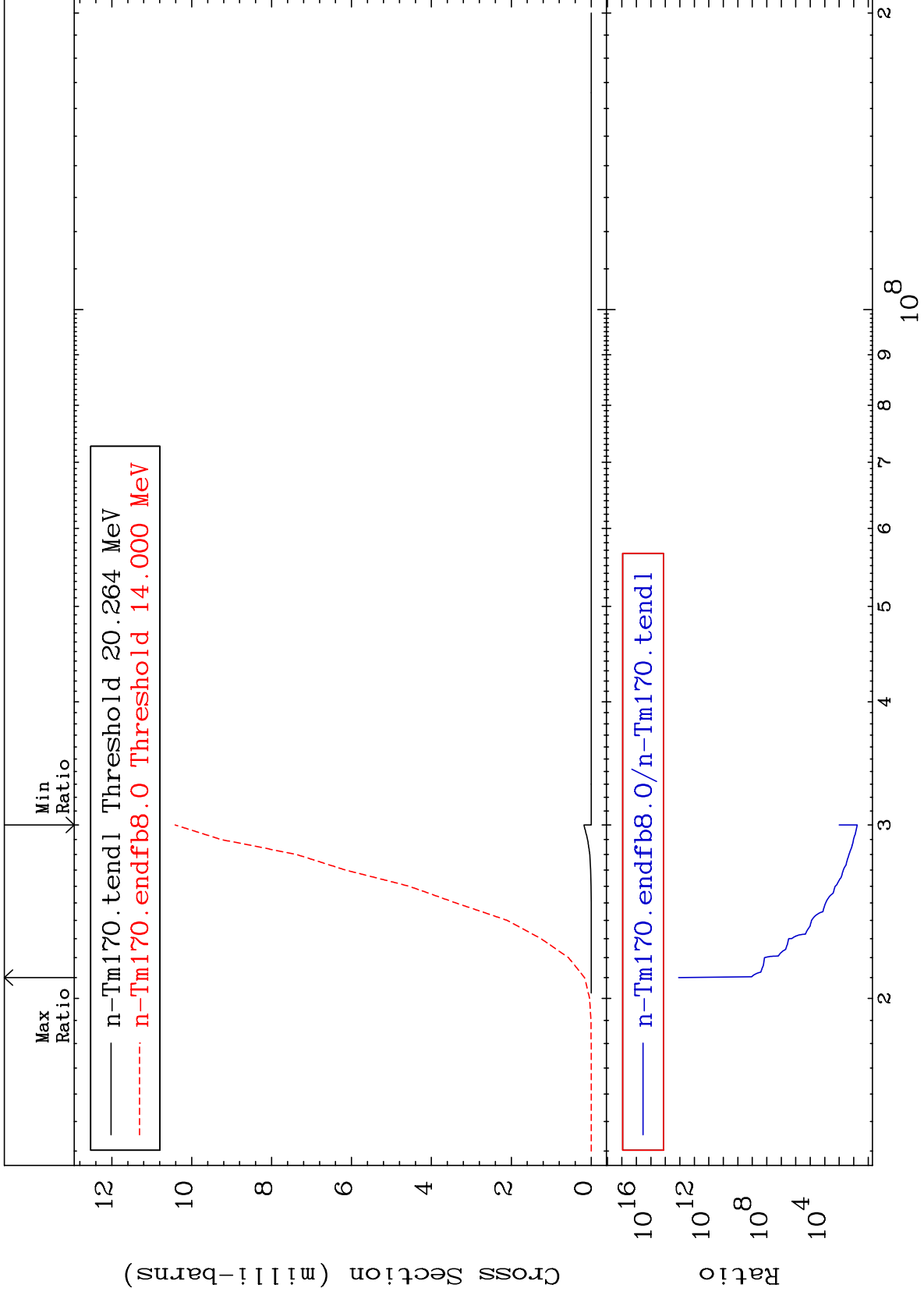
69-Tm-170

MAT 6928

(n, 3n) p: 68-Er-167m3

69-Tm-170

Radionuclide Production Cross Section 5586. To 9999. %



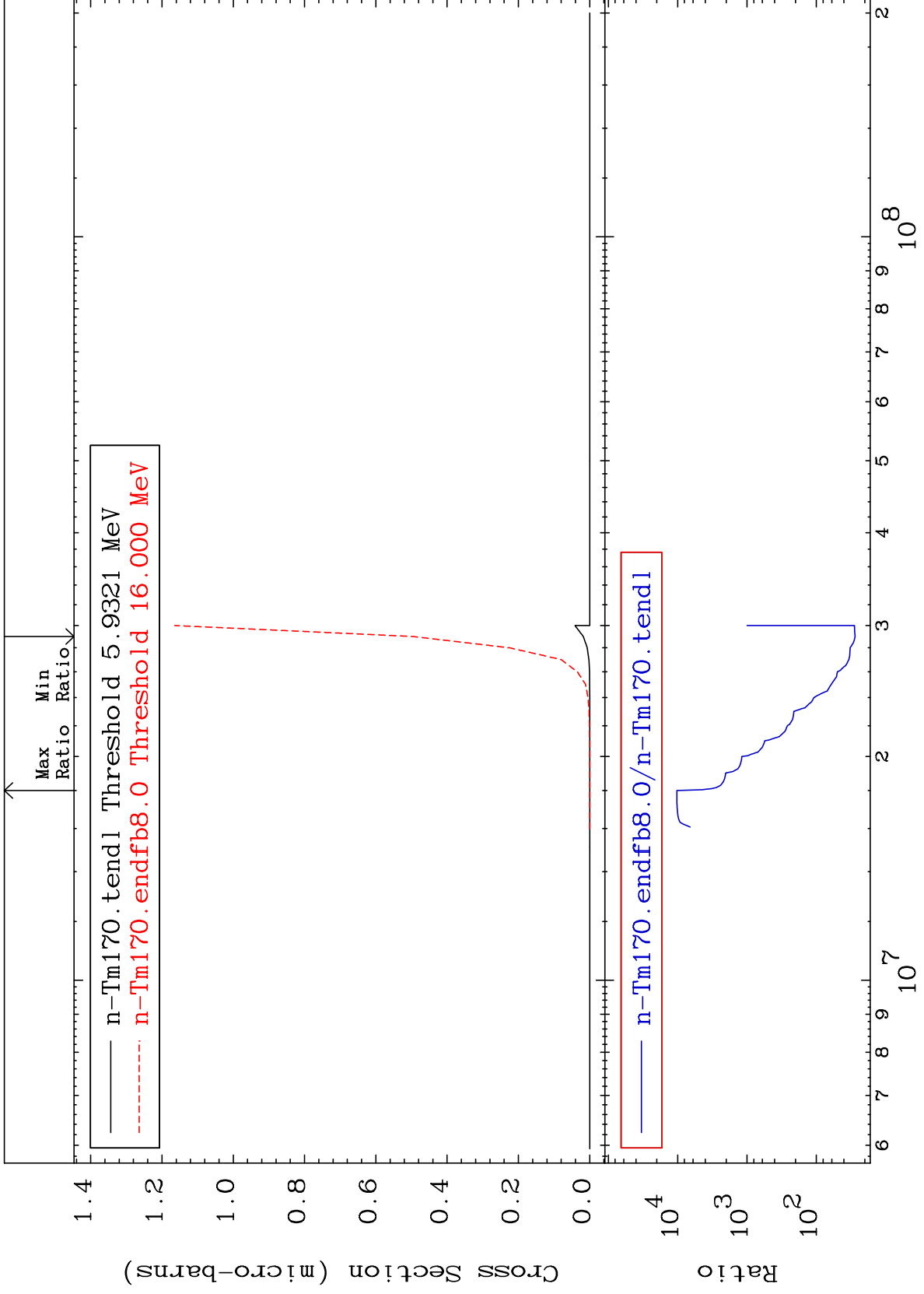
68

Incident Energy (eV)

69-Tm-170

MAT 6928

(n, n') p  $\alpha$ : 66-Dy-165g 69-Tm-170  
Radionuclide Production Cross Section 2666. To 9999. %



69

Incident Energy (eV)

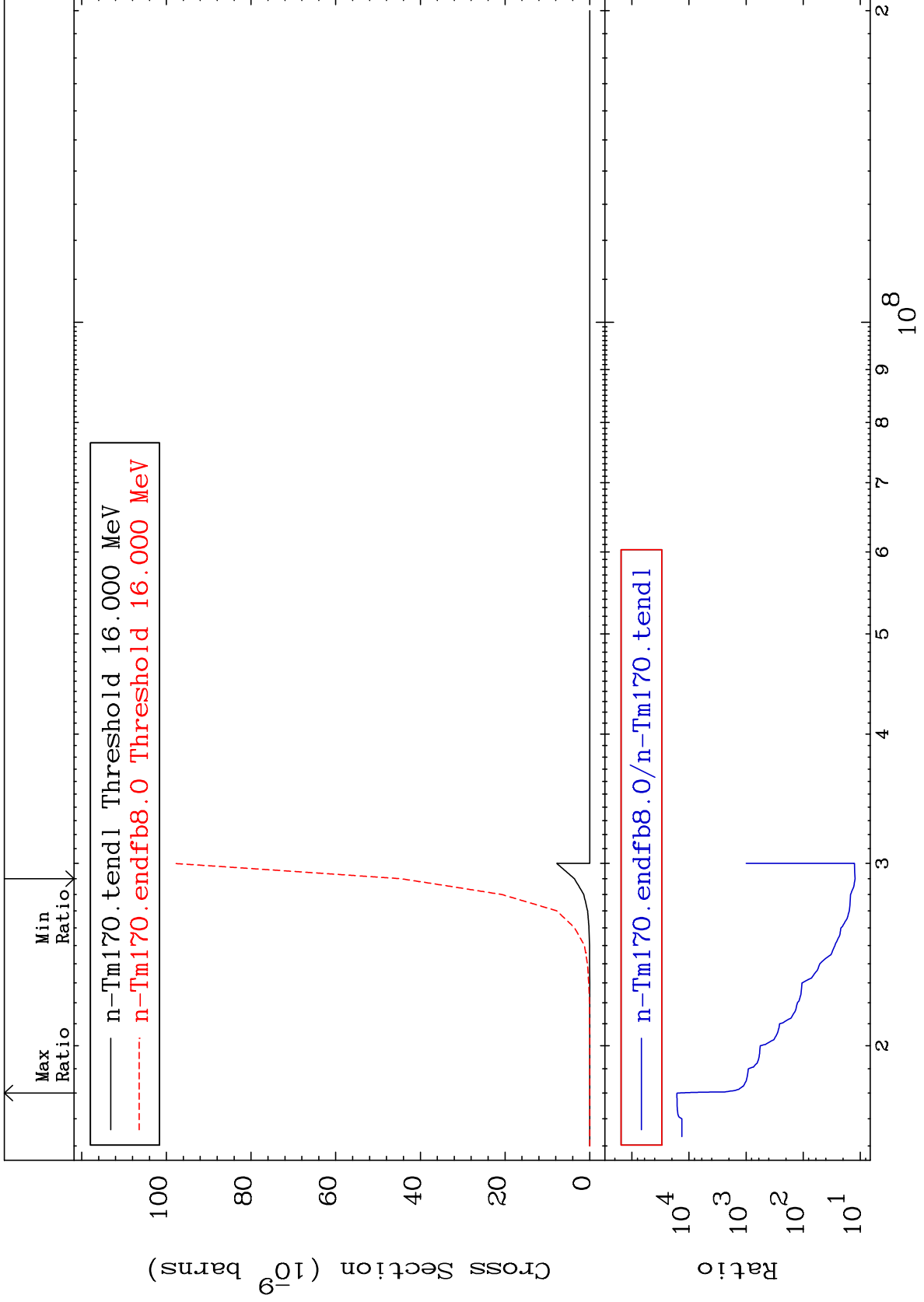
69-Tm-170

MAT 6928

(n, n') p  $\alpha$ :66-Dy-165m2

69-Tm-170

Radionuclide Production Cross Section 1130. To 9999. %



70

Incident Energy (eV)

69-Tm-170