

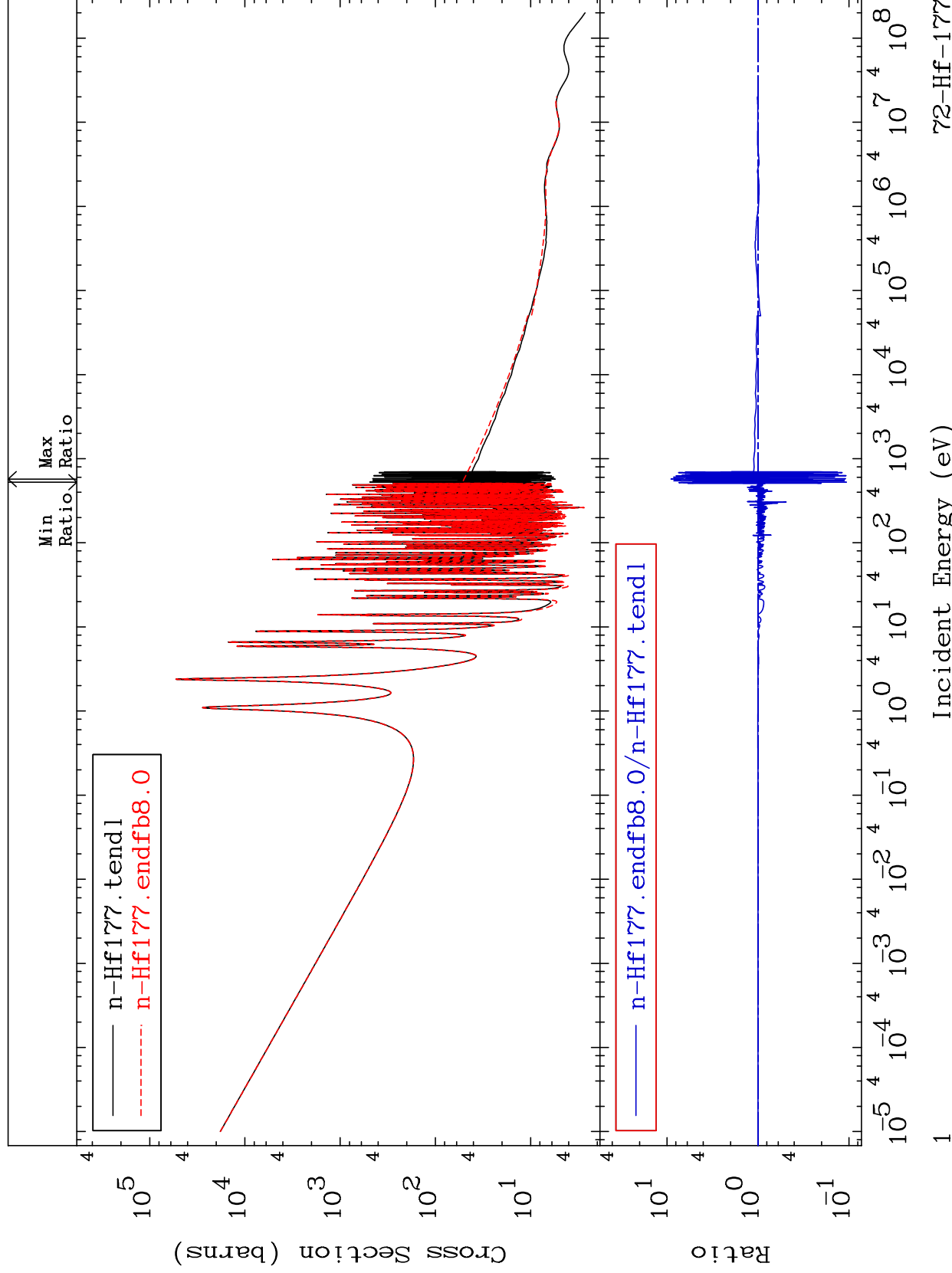
MAT 7234

Total

72-Hf-177

Cross Section

-89.37 To 805.0 %



Incident Energy (eV)

72-Hf-177

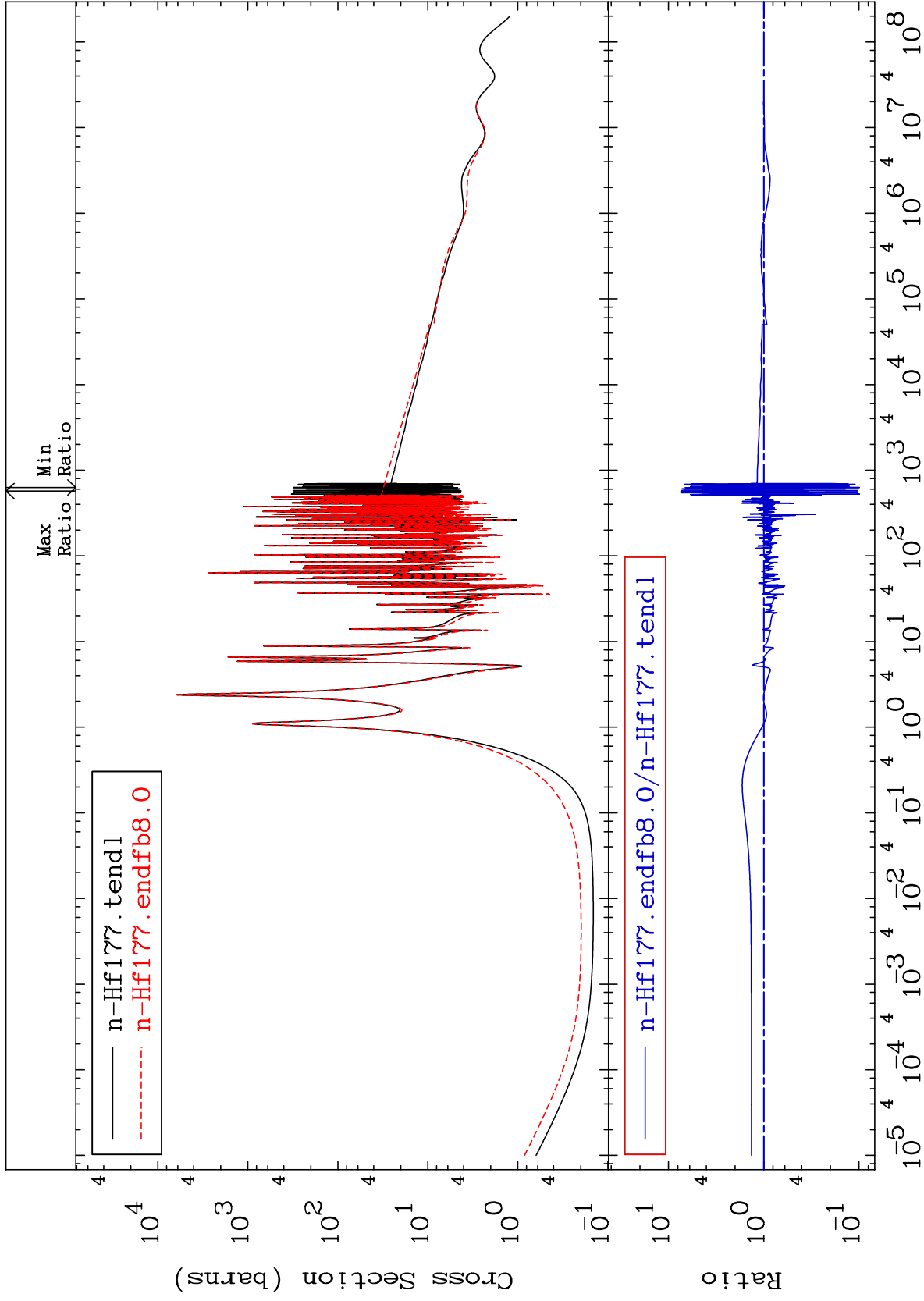
MAT 7234

Elastic

Cross Section

72-Hf-177

-90.13 To 643.8 %



Incident Energy (eV)

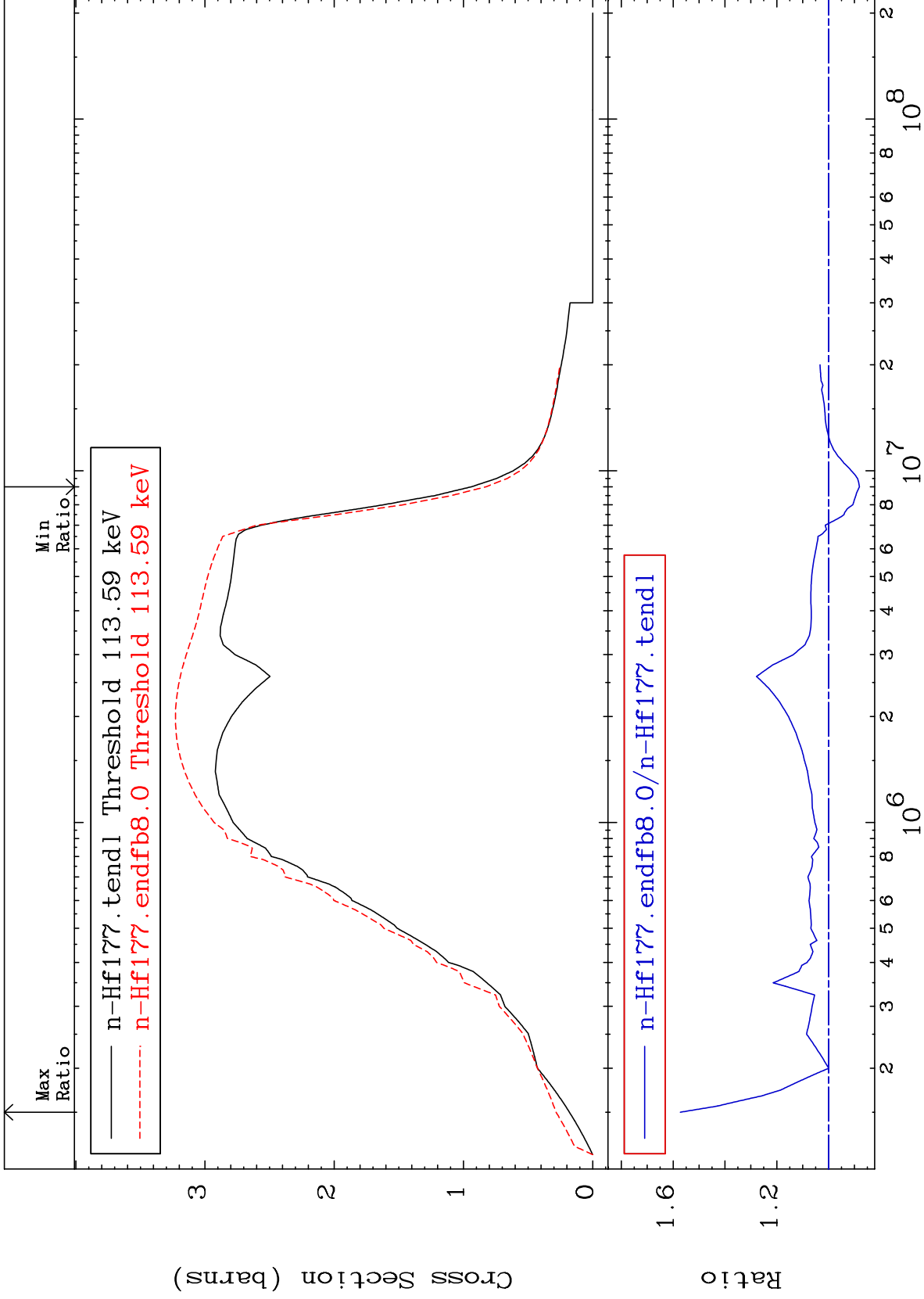
72-Hf-177

2

MAT 7234

Inelastic  
Cross Section

72-Hf-177  
-11.90 To 57.21 %



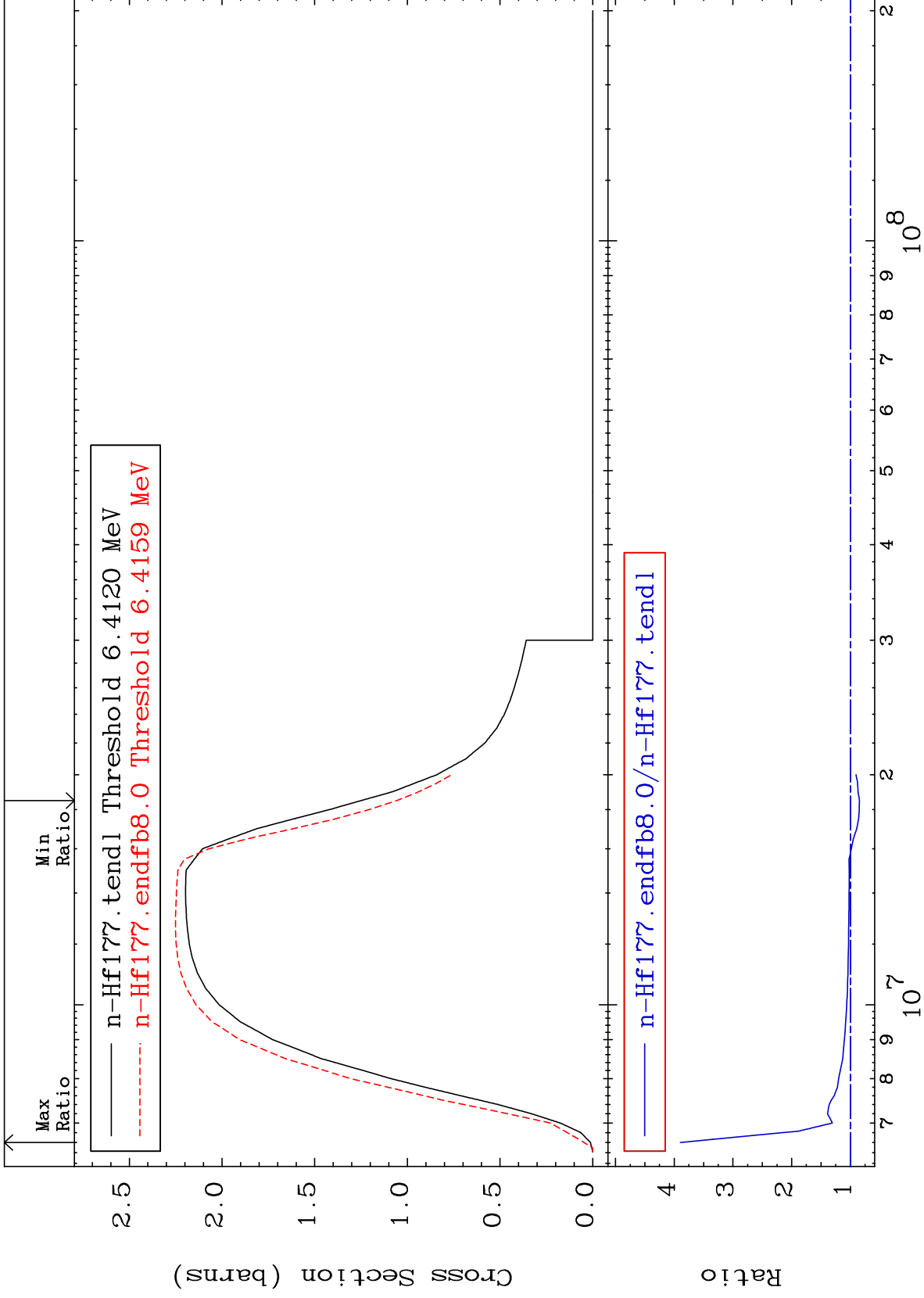
MAT 7234

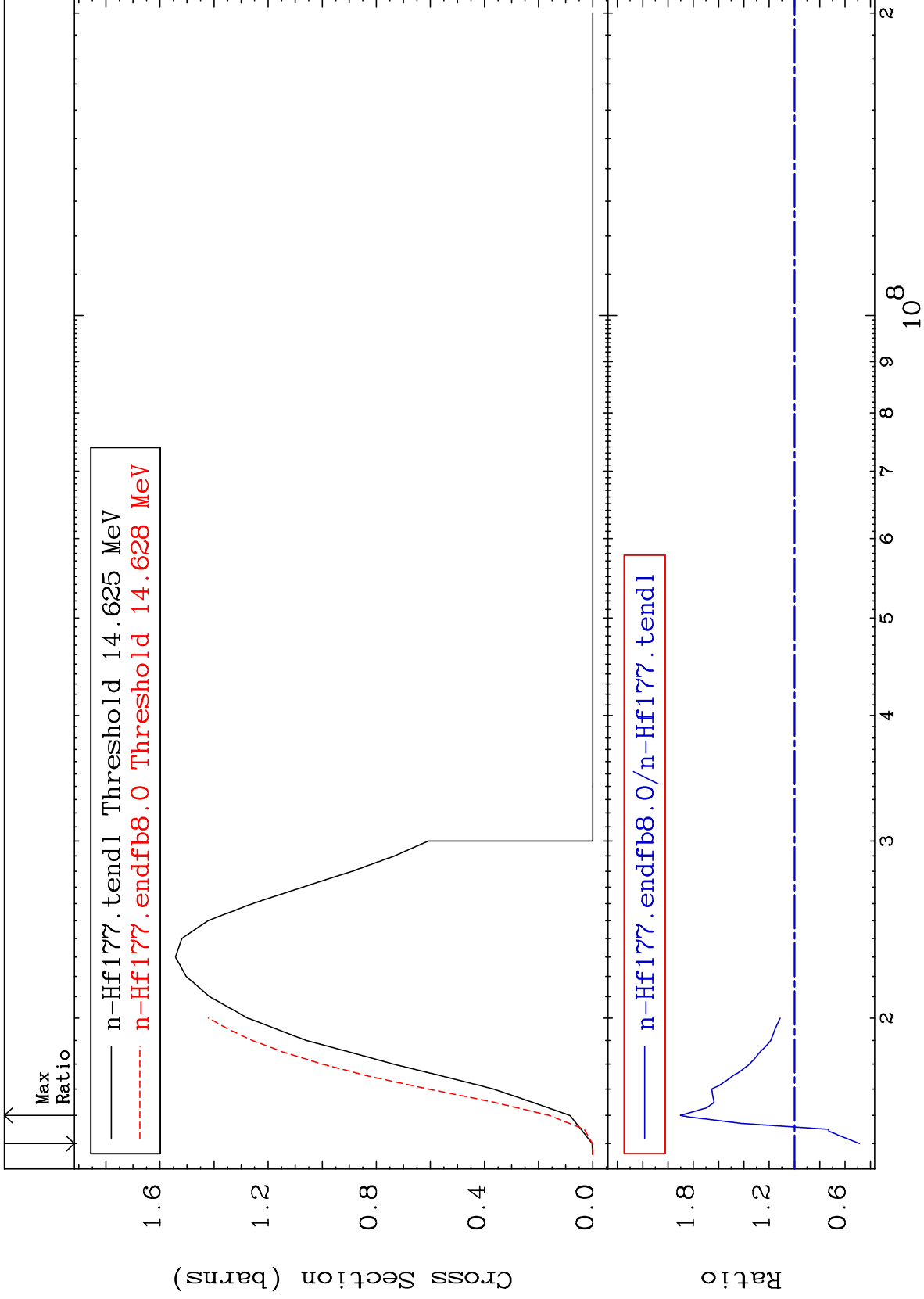
(n,2n)

72-Hf-177

Cross Section

-15.37 To 289.5 %

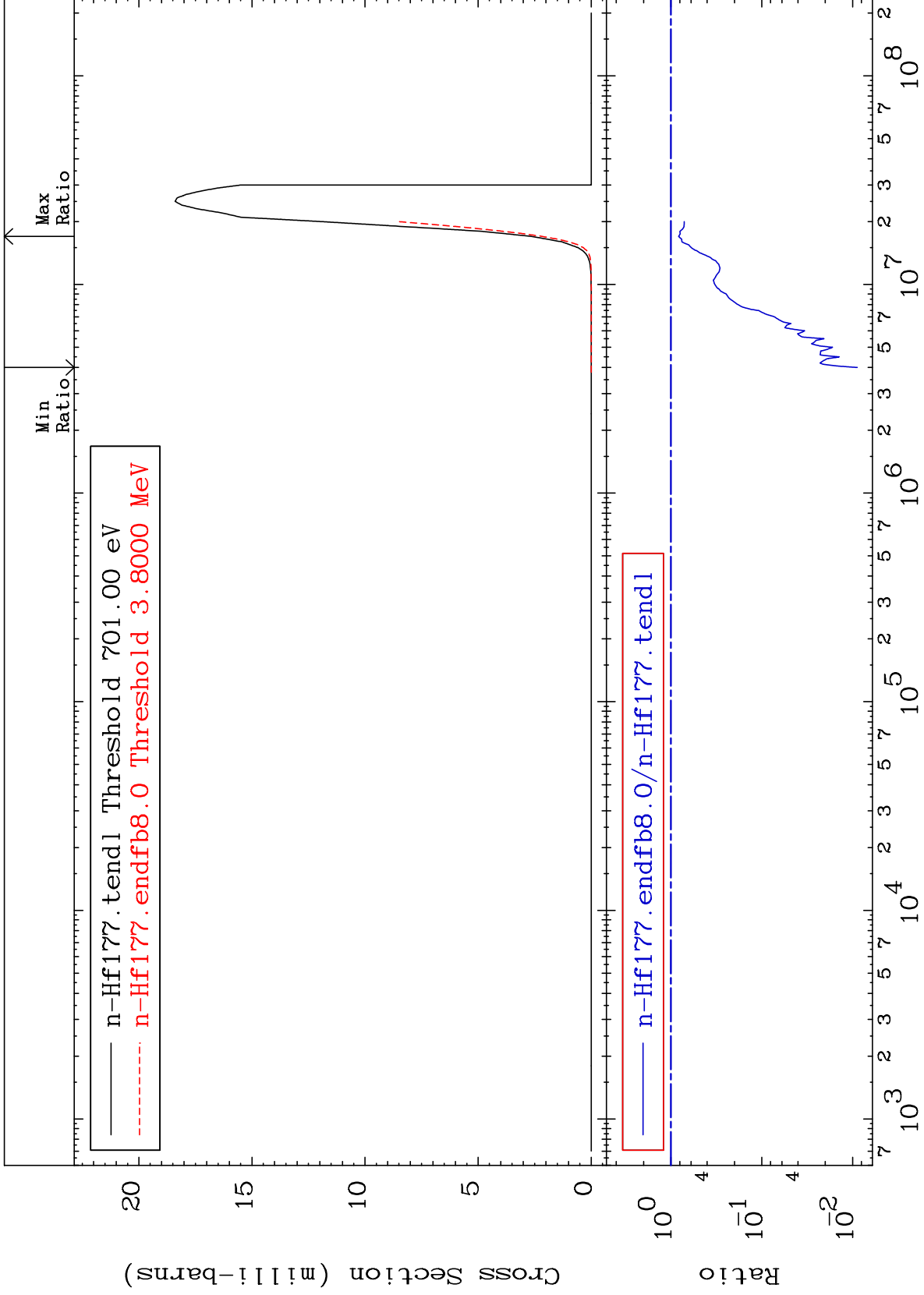




MAT 7234

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

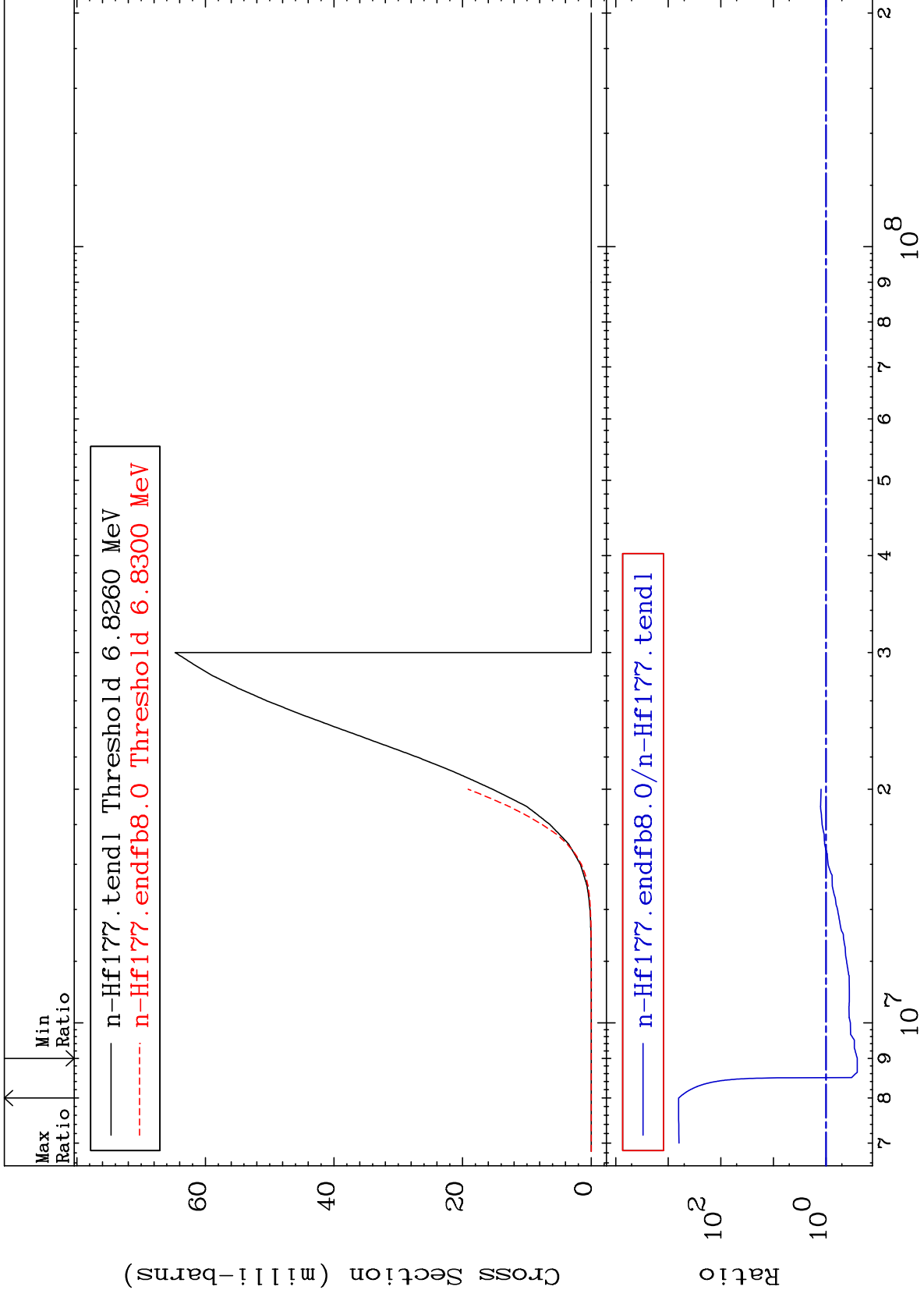
72-Hf-177  
-99.11 To -17.67%



MAT 7234

(n,n') p  
Cross Section

72-Hf-177  
-74.47 To 9999. %



Incident Energy (eV)

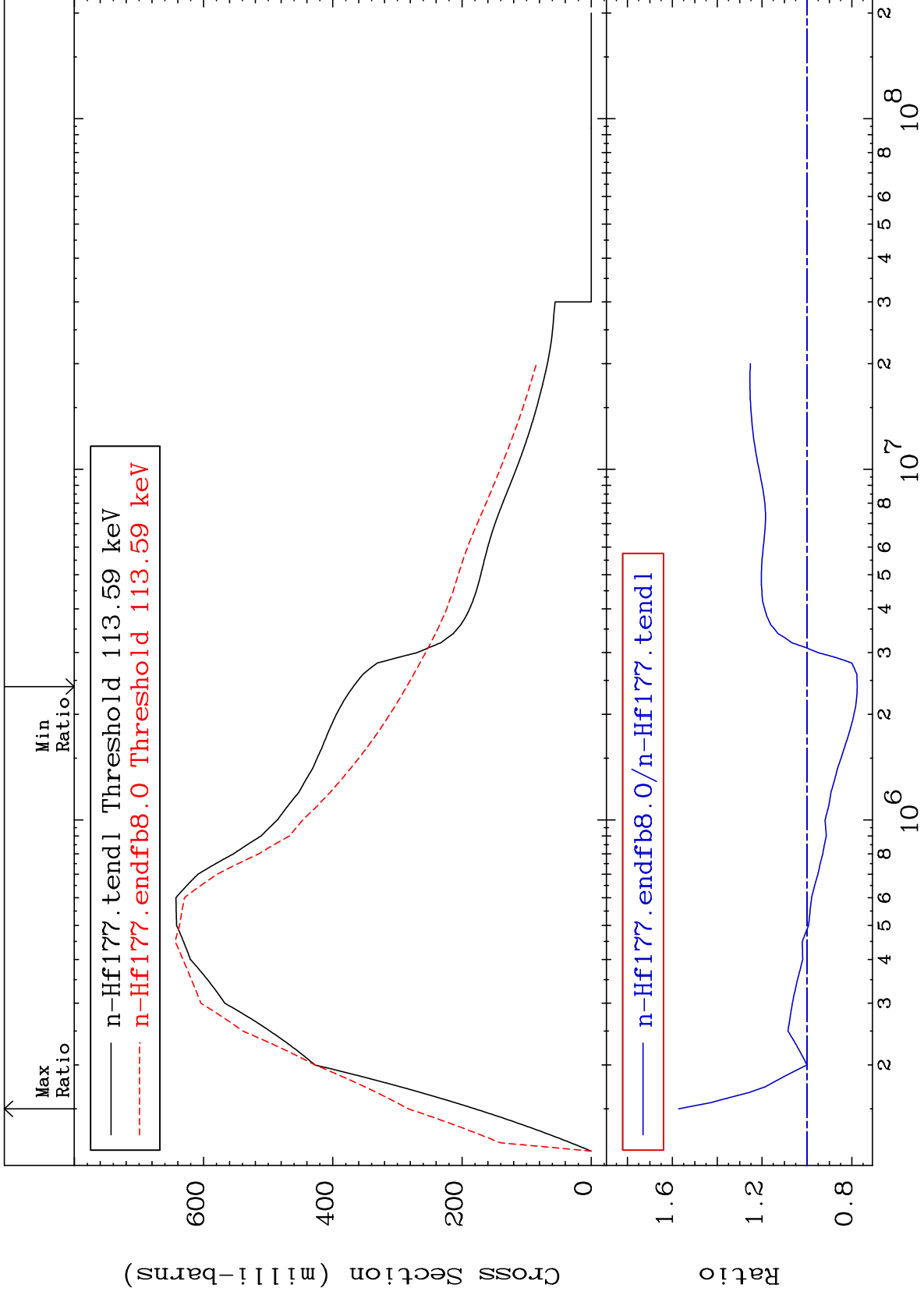
72-Hf-177

7

MAT 7234

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

72-Hf-177  
-22.43 To 57.21 %

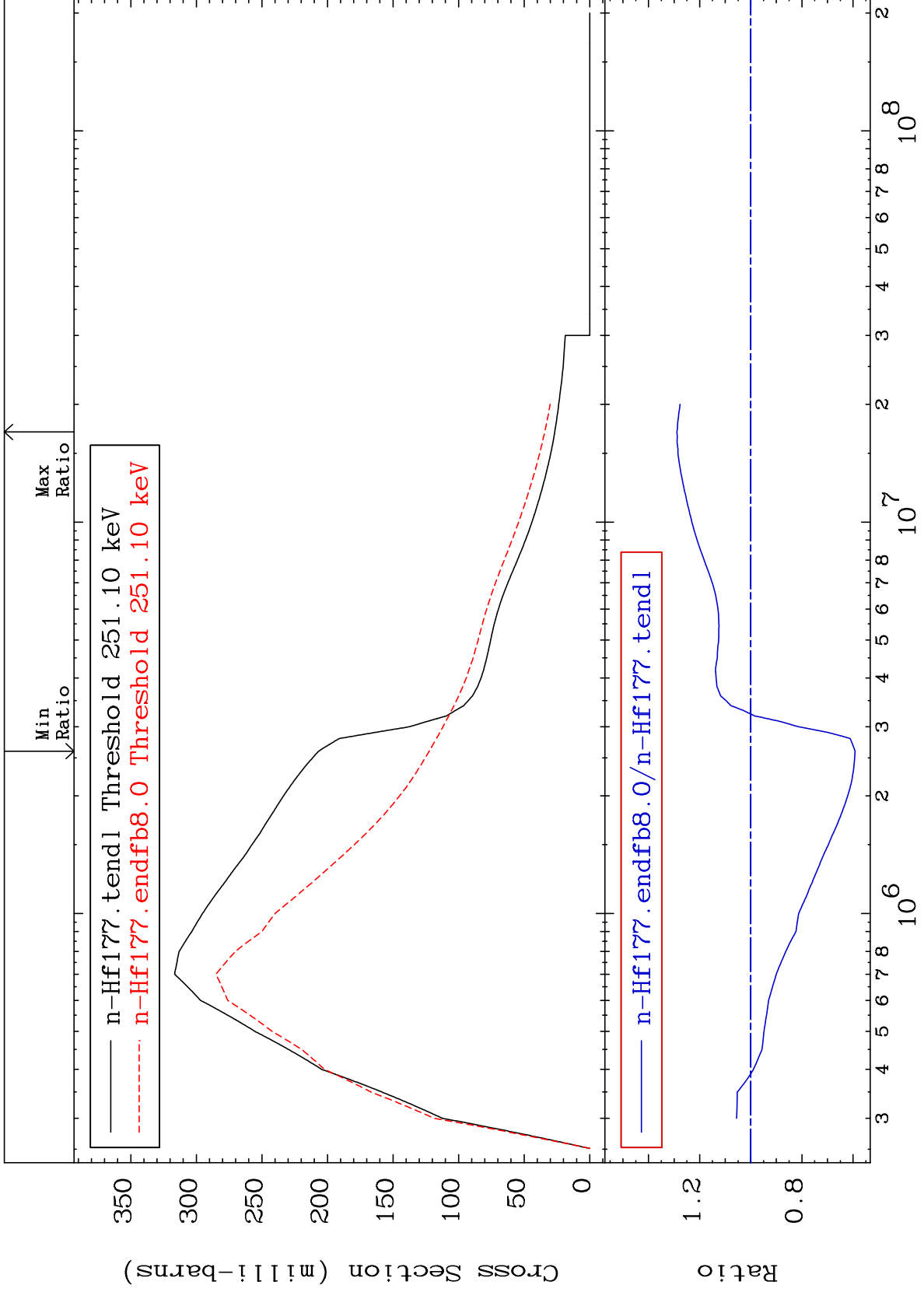




MAT 7234

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

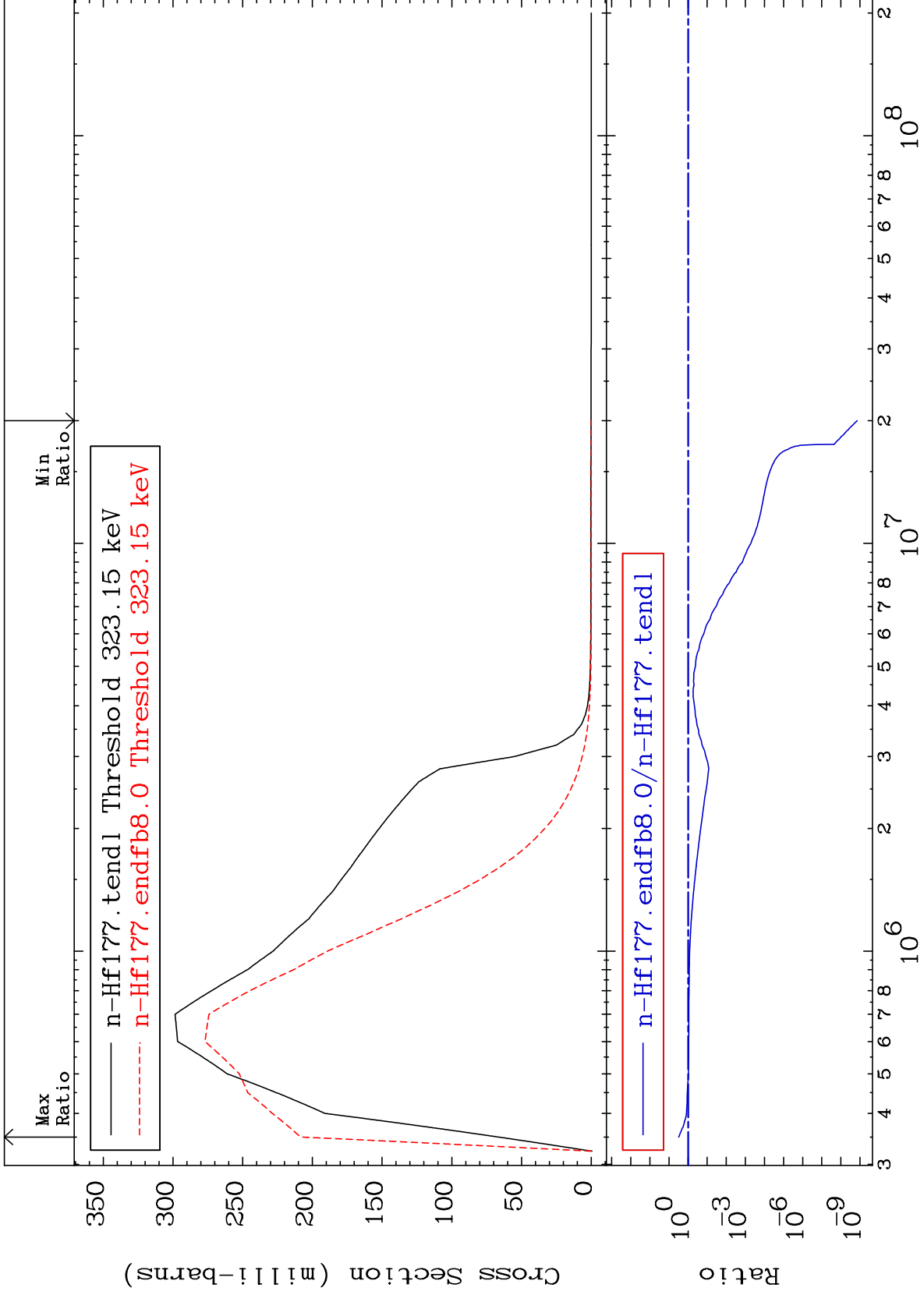
72-Hf-177  
-40.80 To 28.89 %



MAT 7234

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

72-Hf-177  
-100.0 To 212.3 %



10

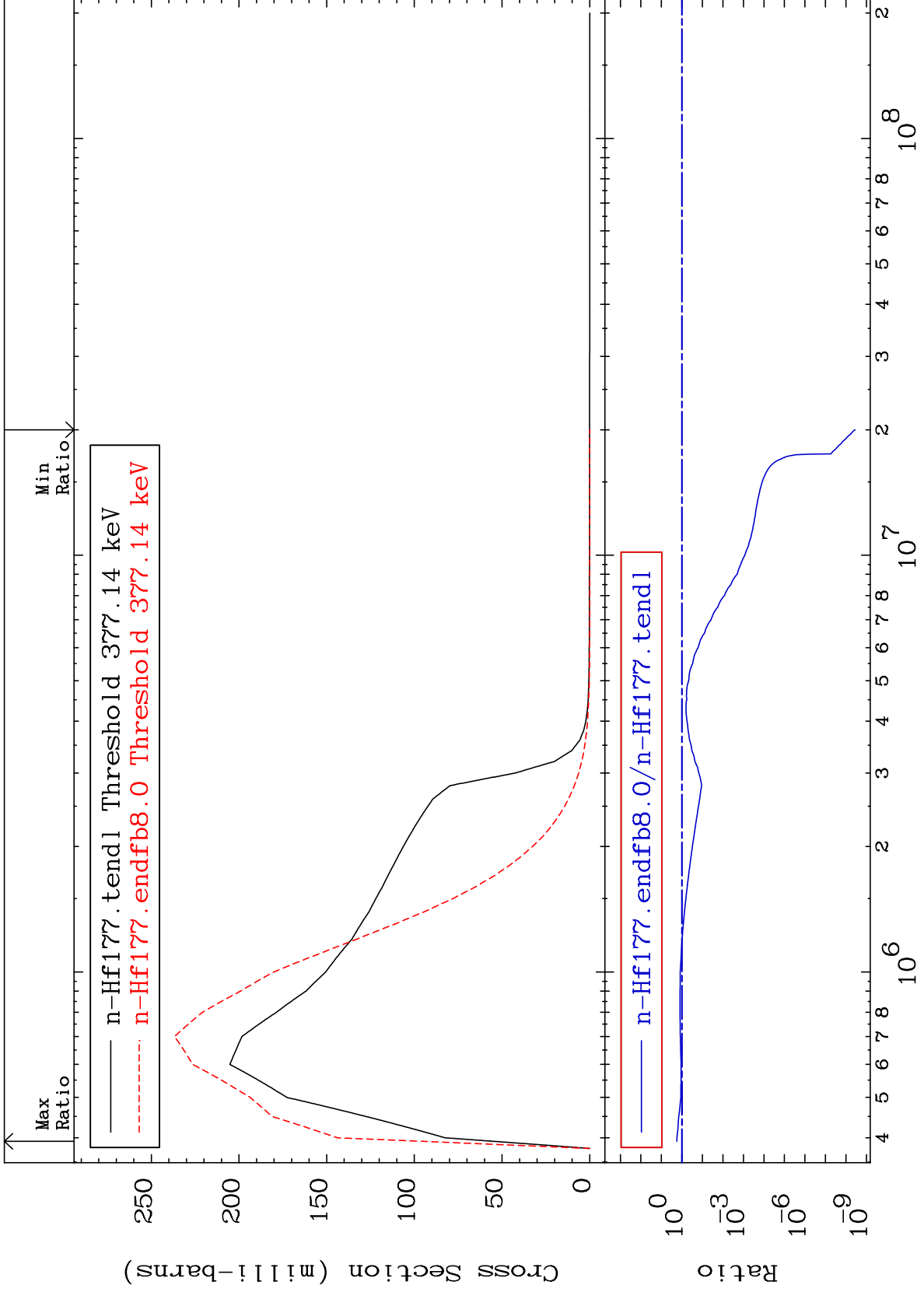
Incident Energy (eV)

72-Hf-177

MAT 7234

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

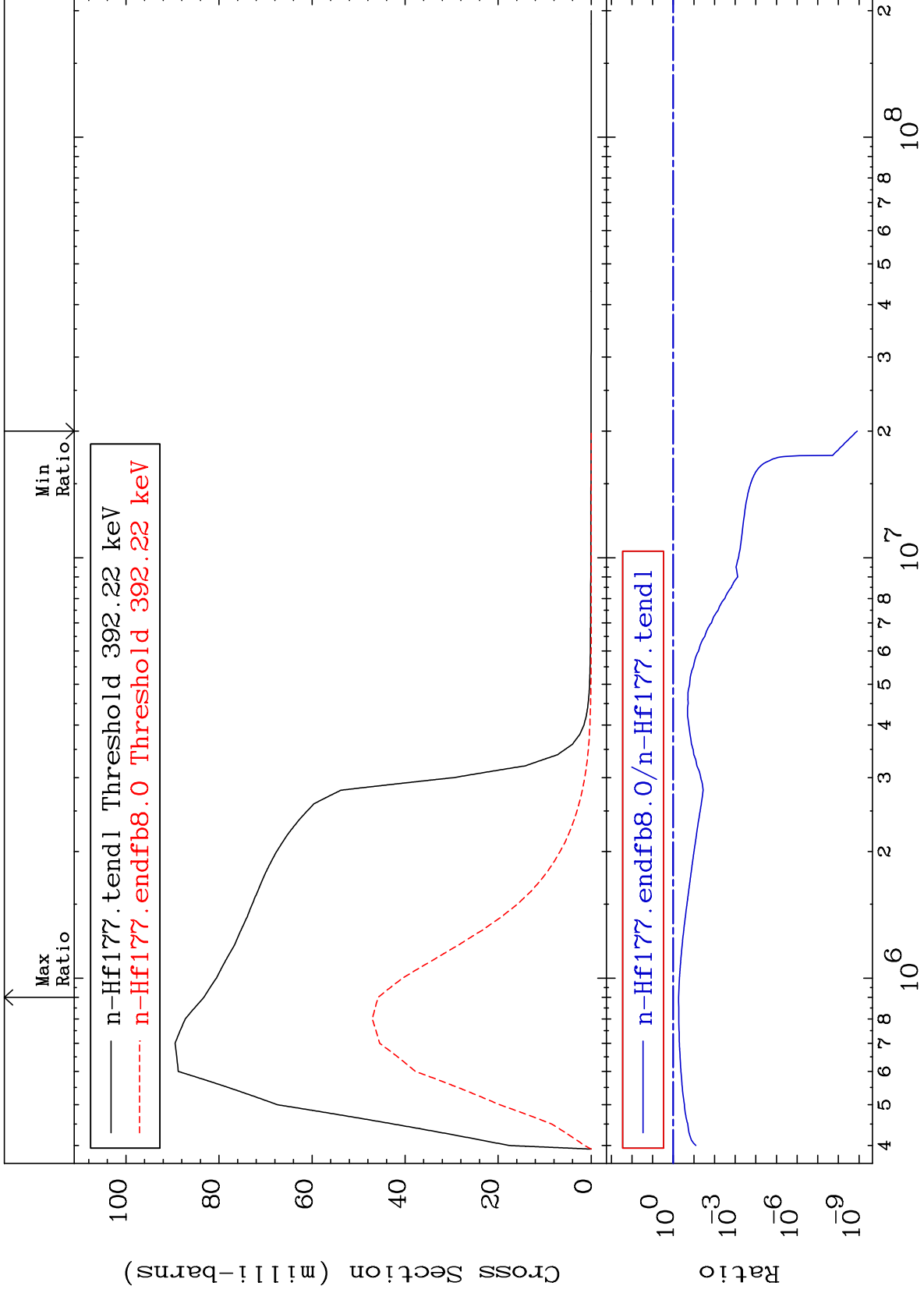
72-Hf-177  
-100.0 To 74.58 %



MAT 7234

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

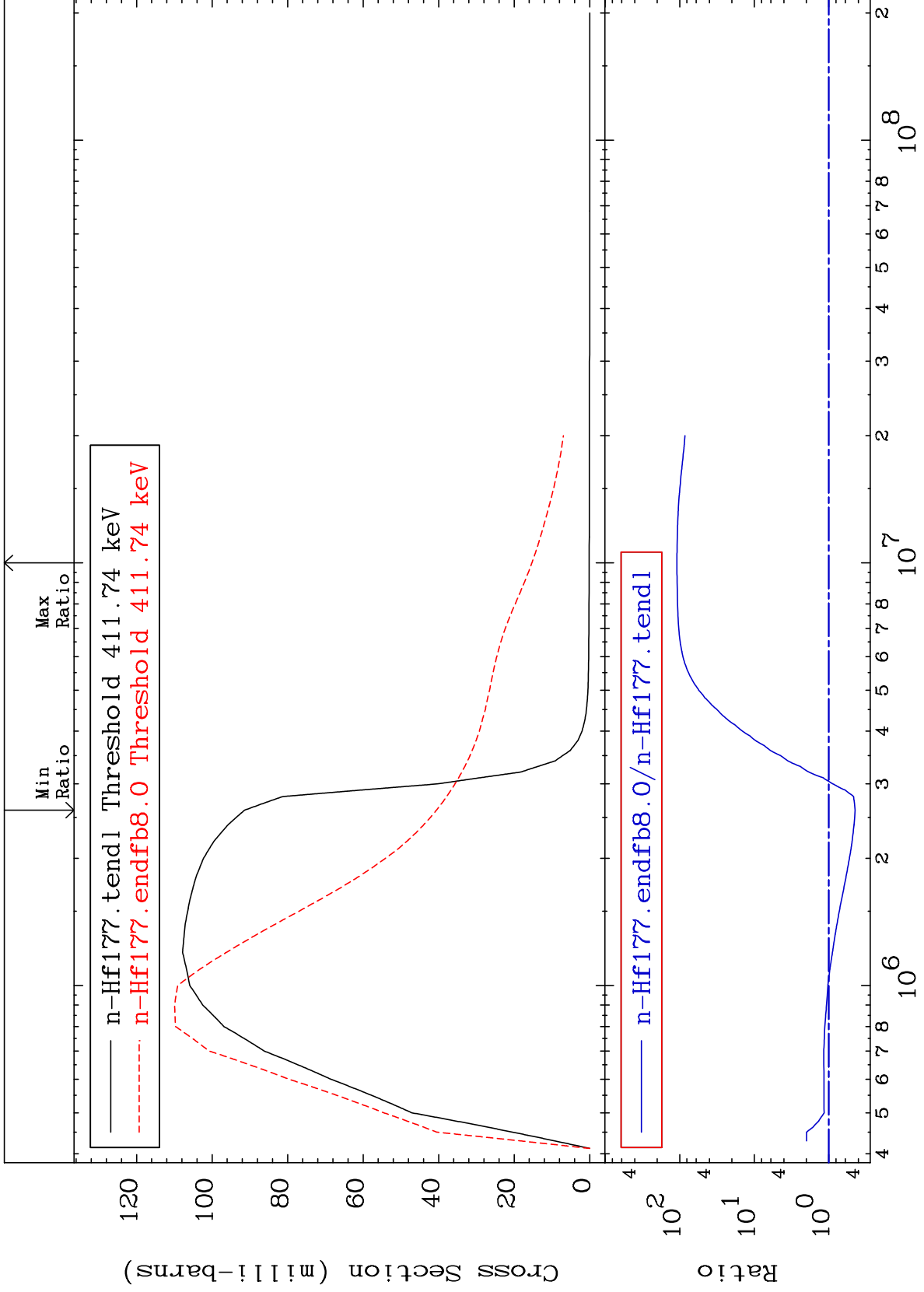
72-Hf-177  
-100.0 To -44.97%



MAT 7234

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

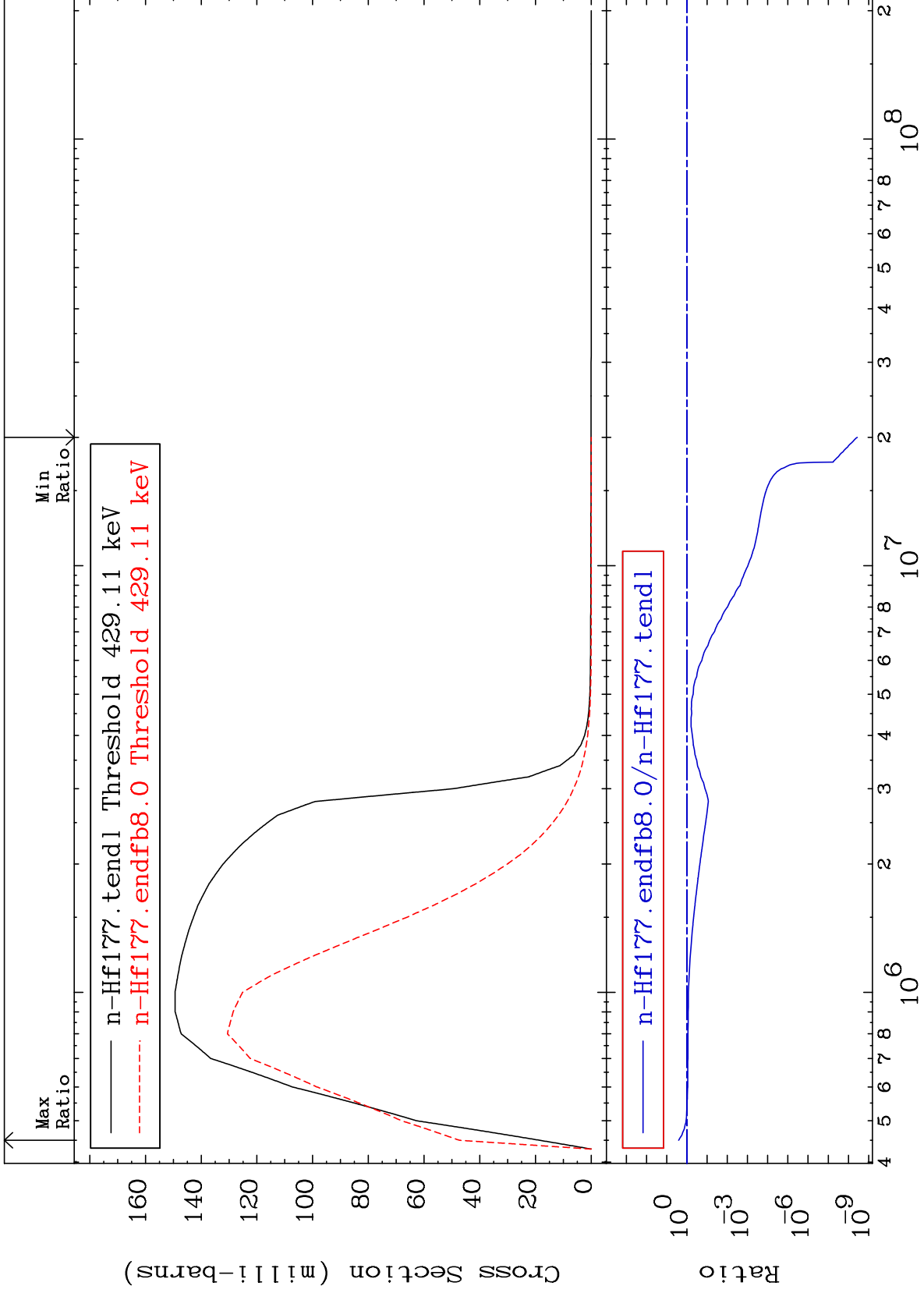
72-Hf-177  
-55.60 To 9999. %



MAT 7234

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

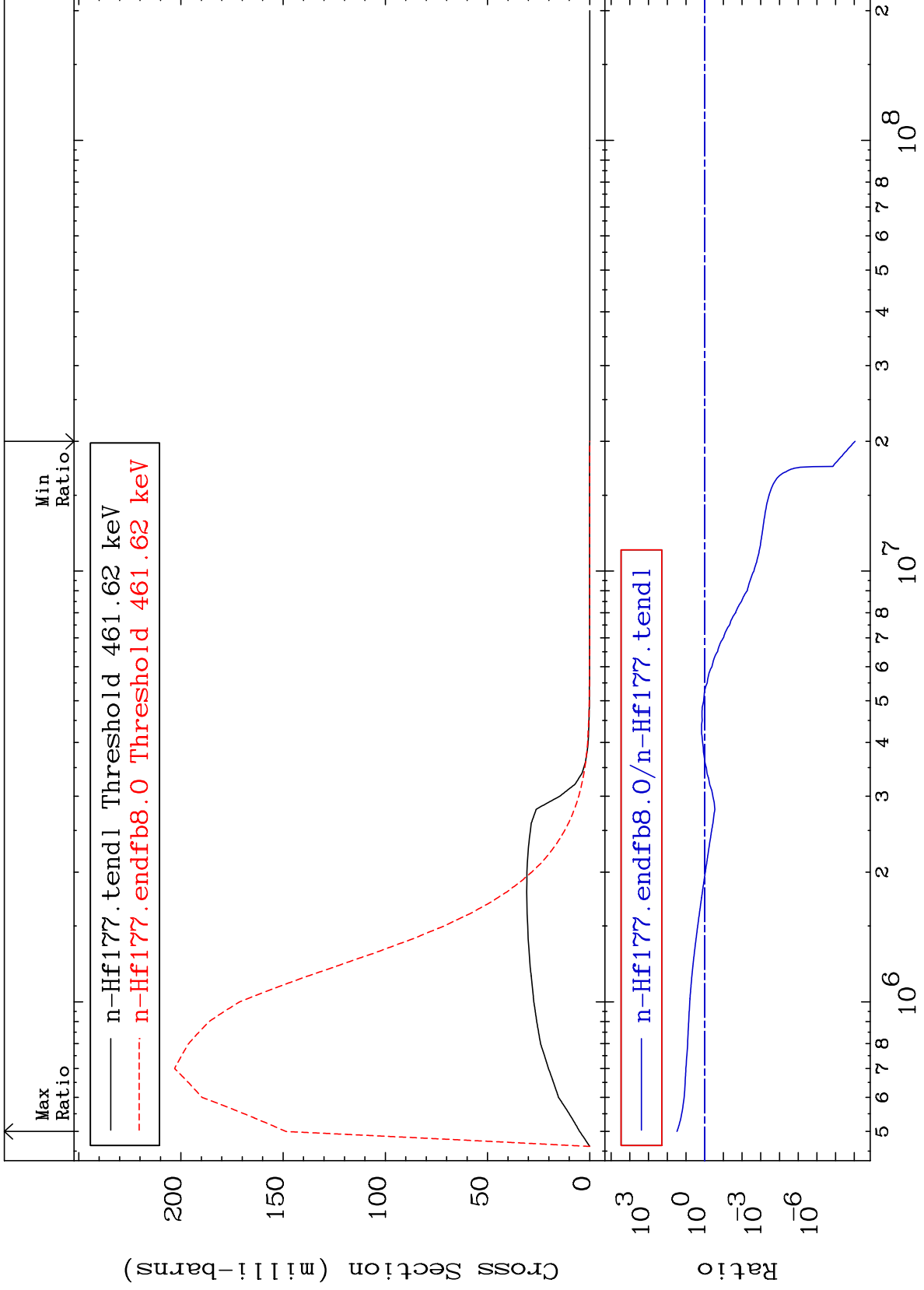
72-Hf-177  
-100.0 To 156.4 %



MAT 7234

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

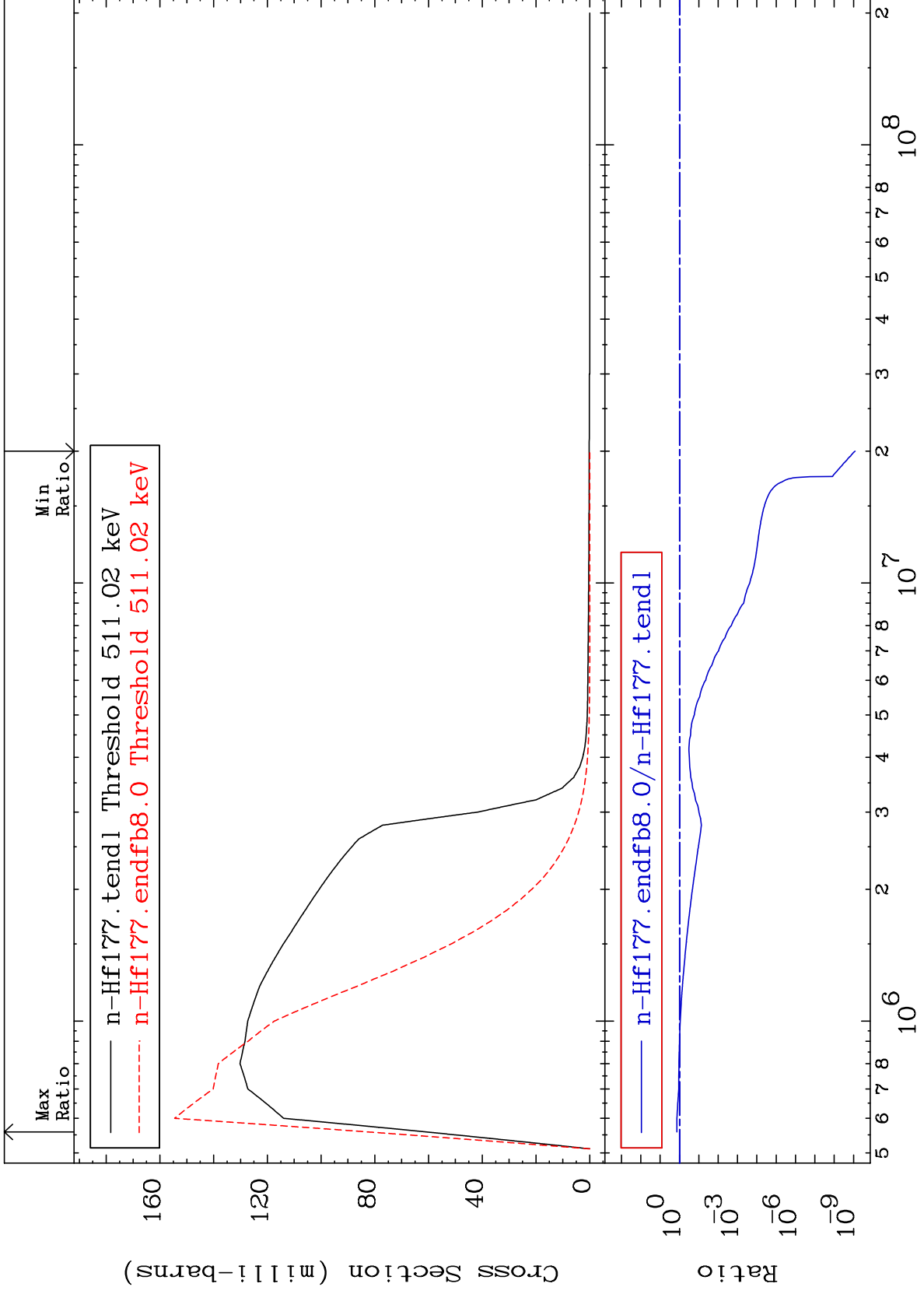
72-Hf-177  
-100.0 To 2936. %



MAT 7234

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

72-Hf-177  
-100.0 To 35.59 %



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Incident Energy (eV)

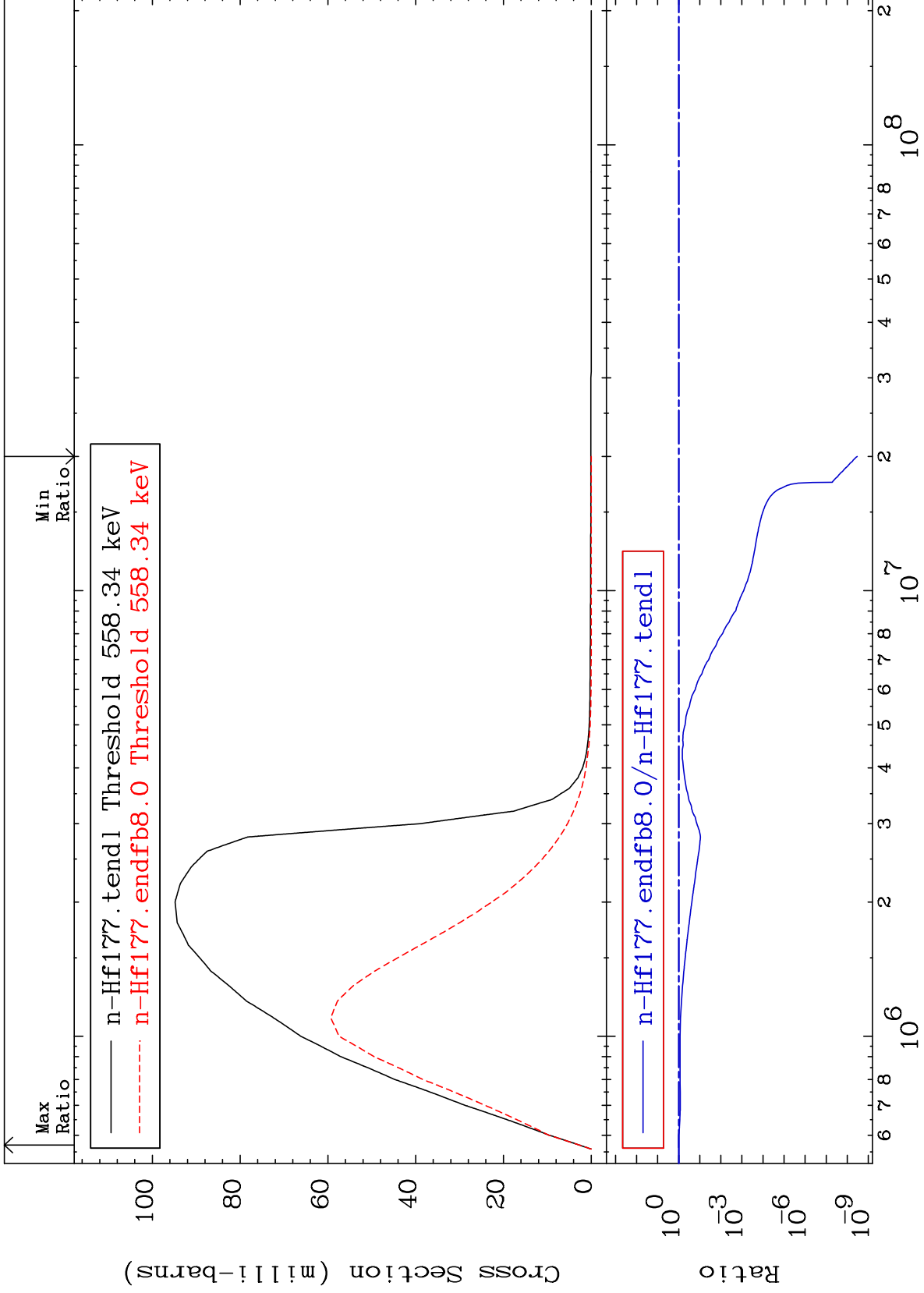
72-Hf-177



MAT 7234

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

72-Hf-177  
-100.0 To 0.865 %



17

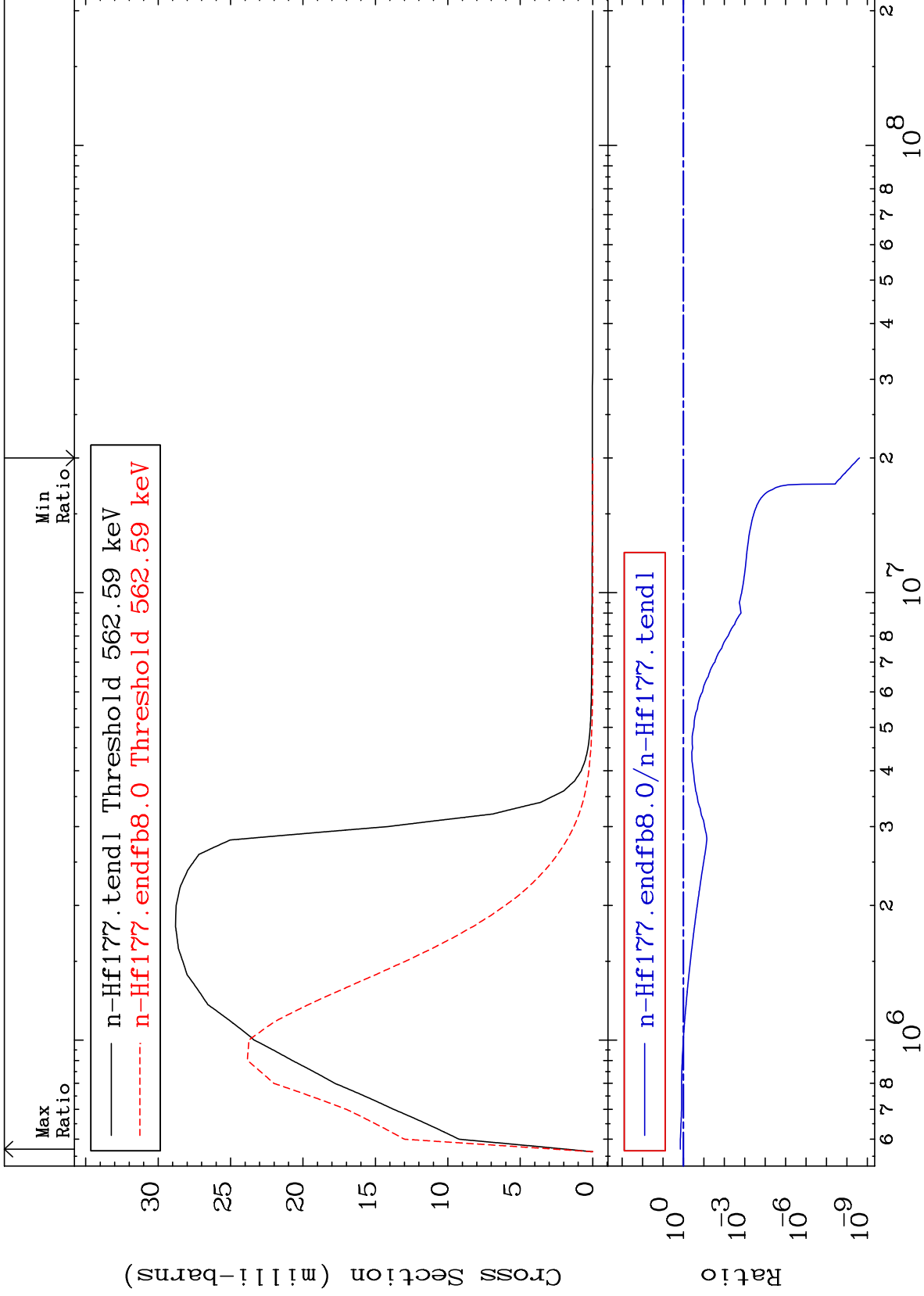
Incident Energy (eV)

72-Hf-177

MAT 7234

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

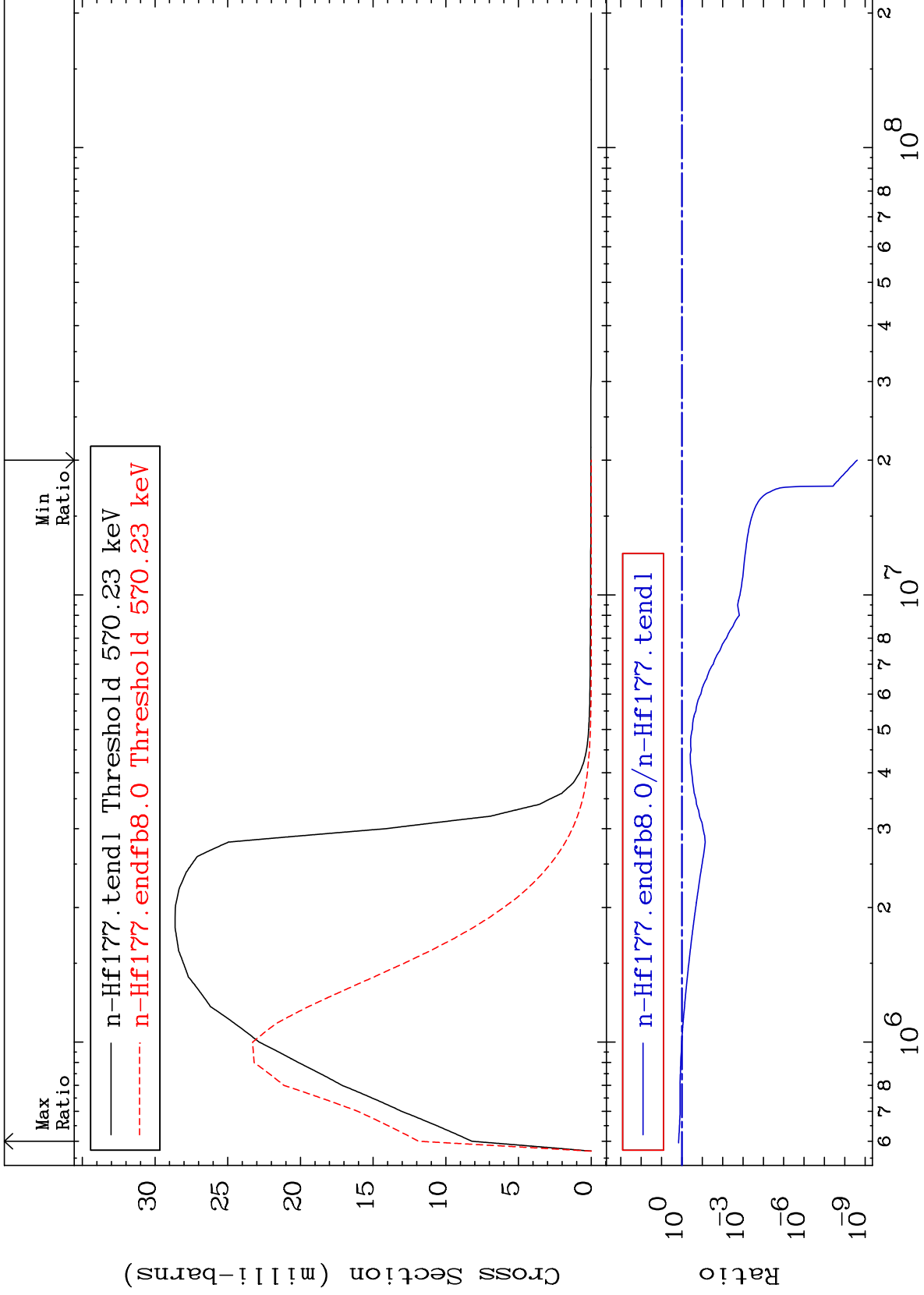
72-Hf-177  
-100.0 To 40.92 %



MAT 7234

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

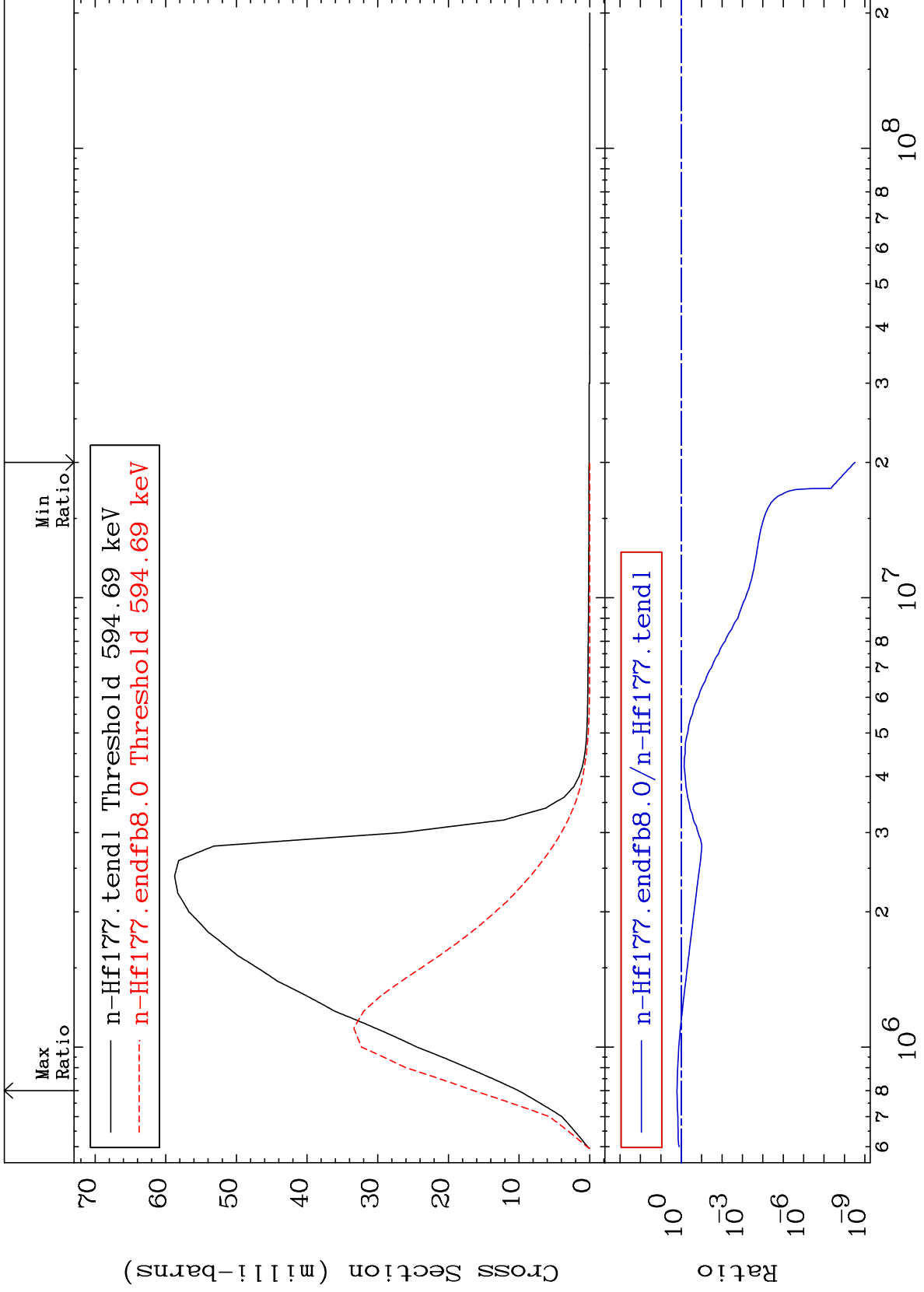
72-Hf-177  
-100.0 To 44.72 %



MAT 7234

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

72-Hf-177  
-100.0 To 62.92 %



20

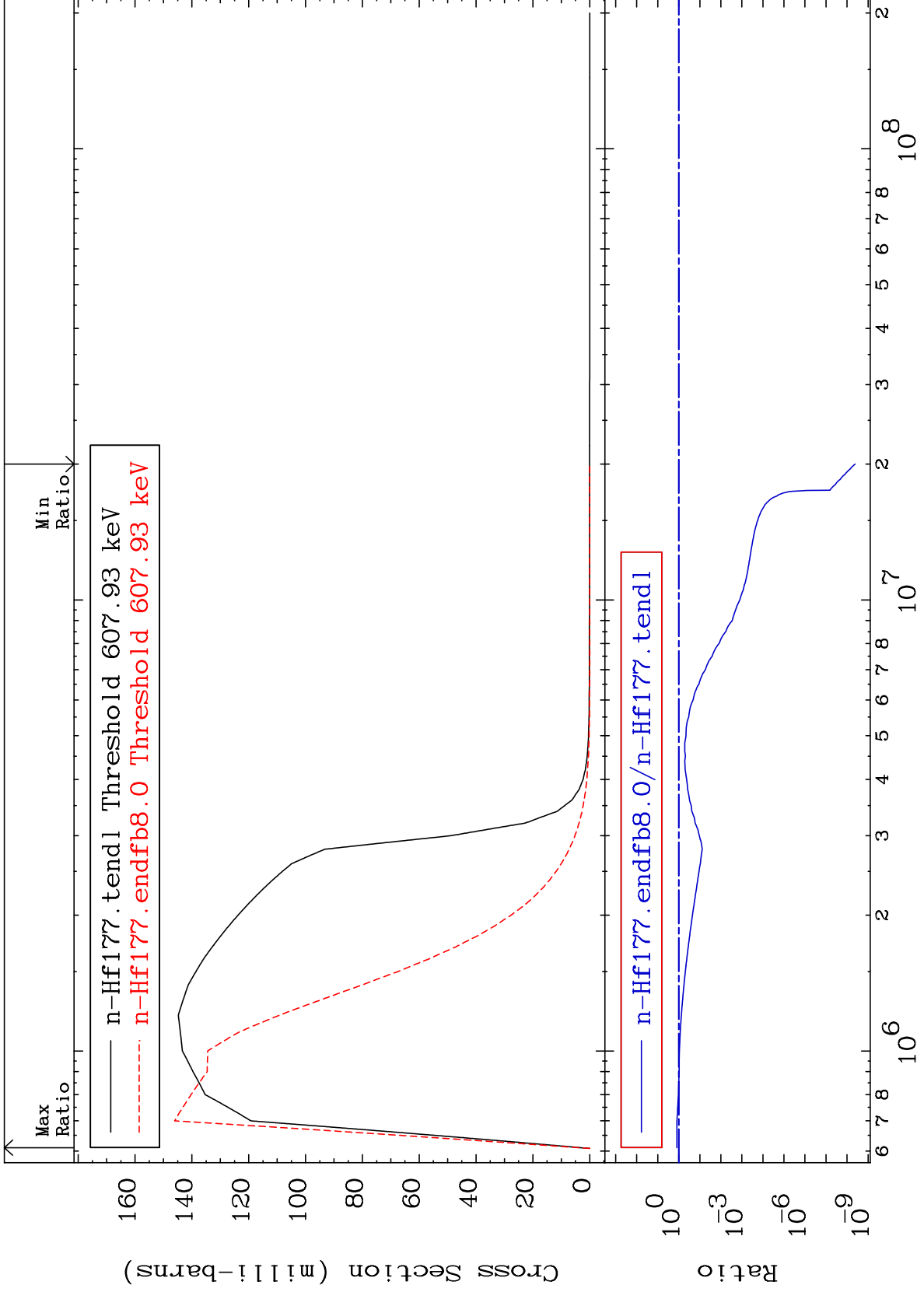
Incident Energy (eV)

72-Hf-177

MAT 7234

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

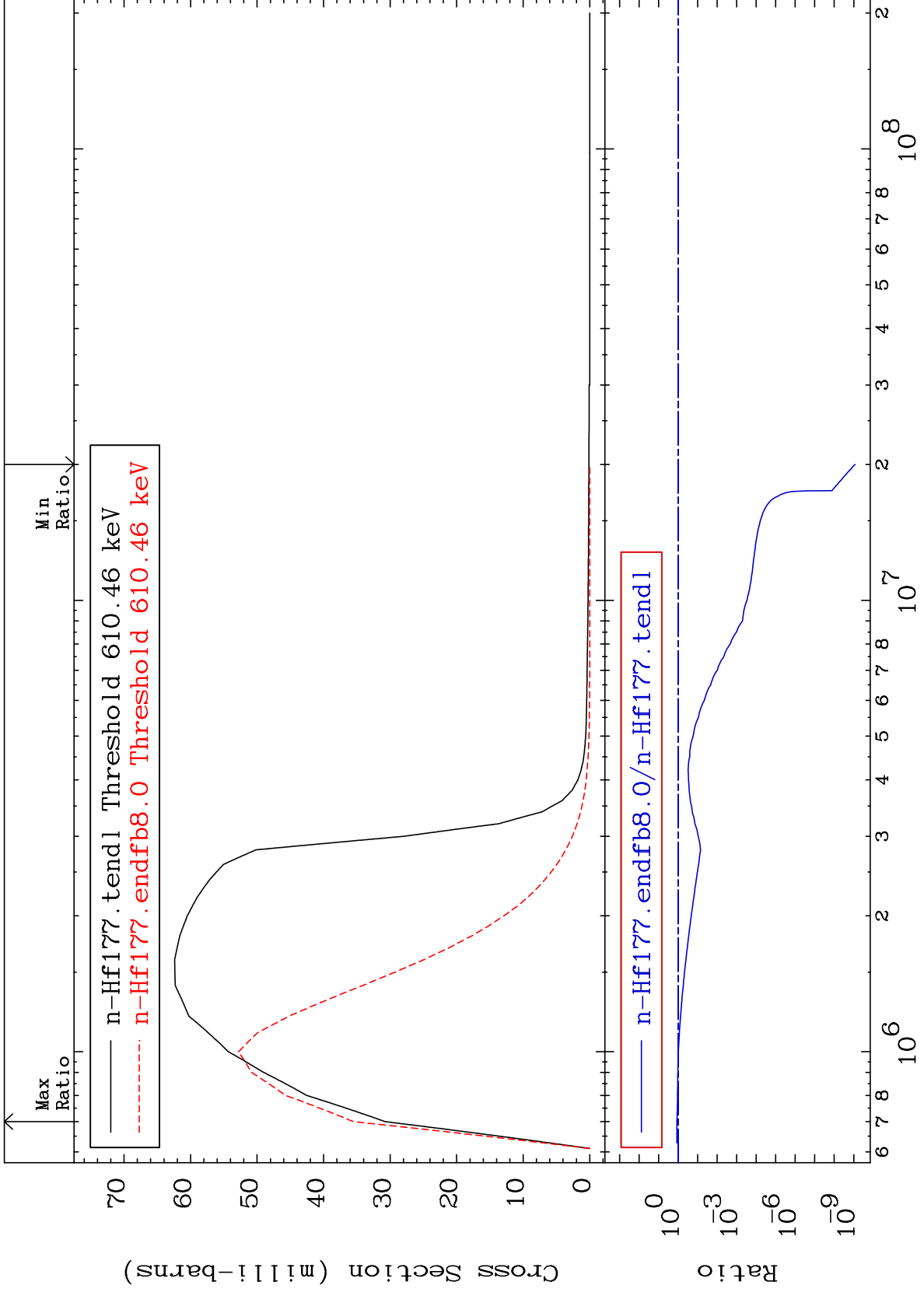
72-Hf-177  
-100.0 To 22.51 %



MAT 7234

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

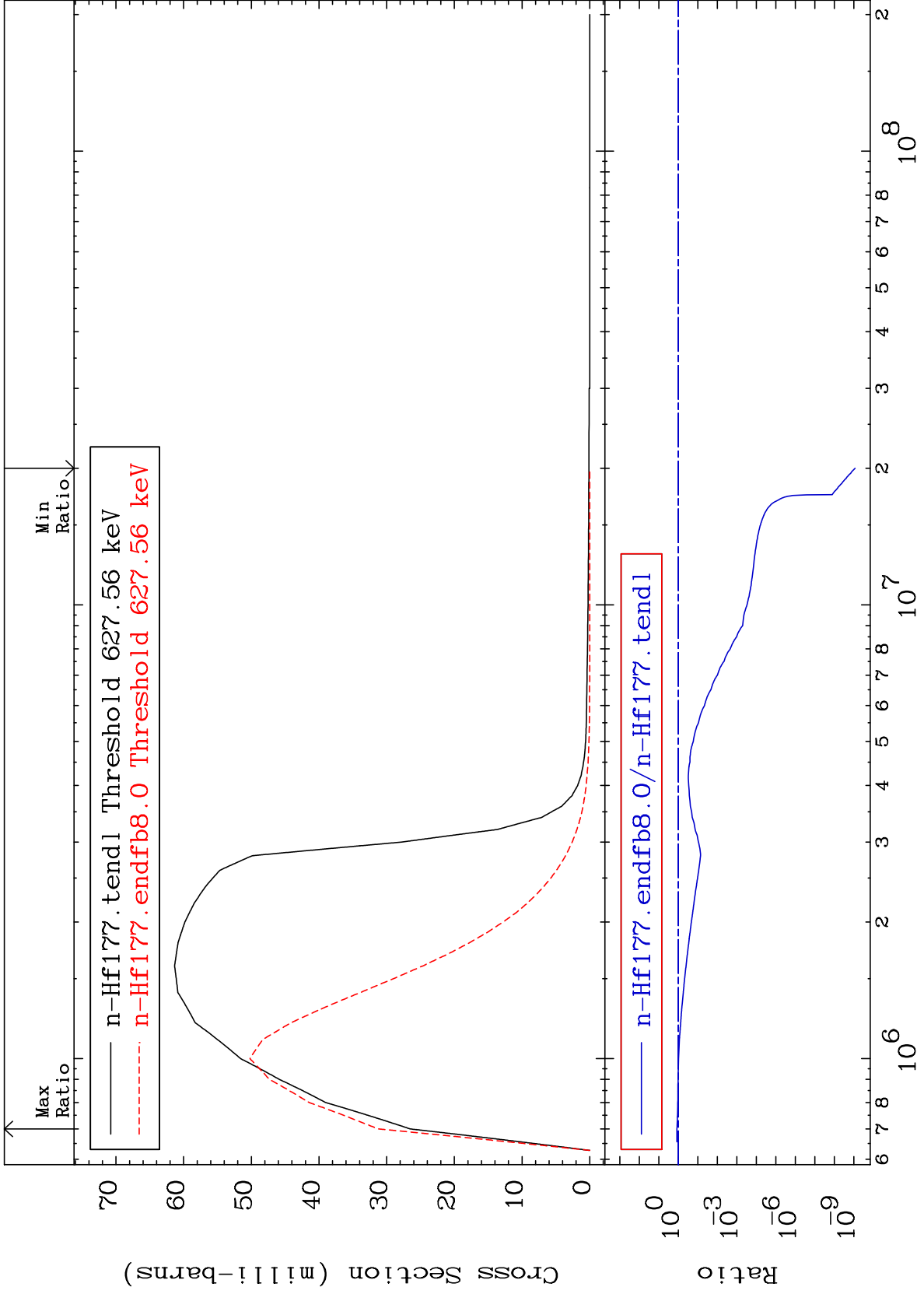
72-Hf-177  
-100.0 To 15.48 %



MAT 7234

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

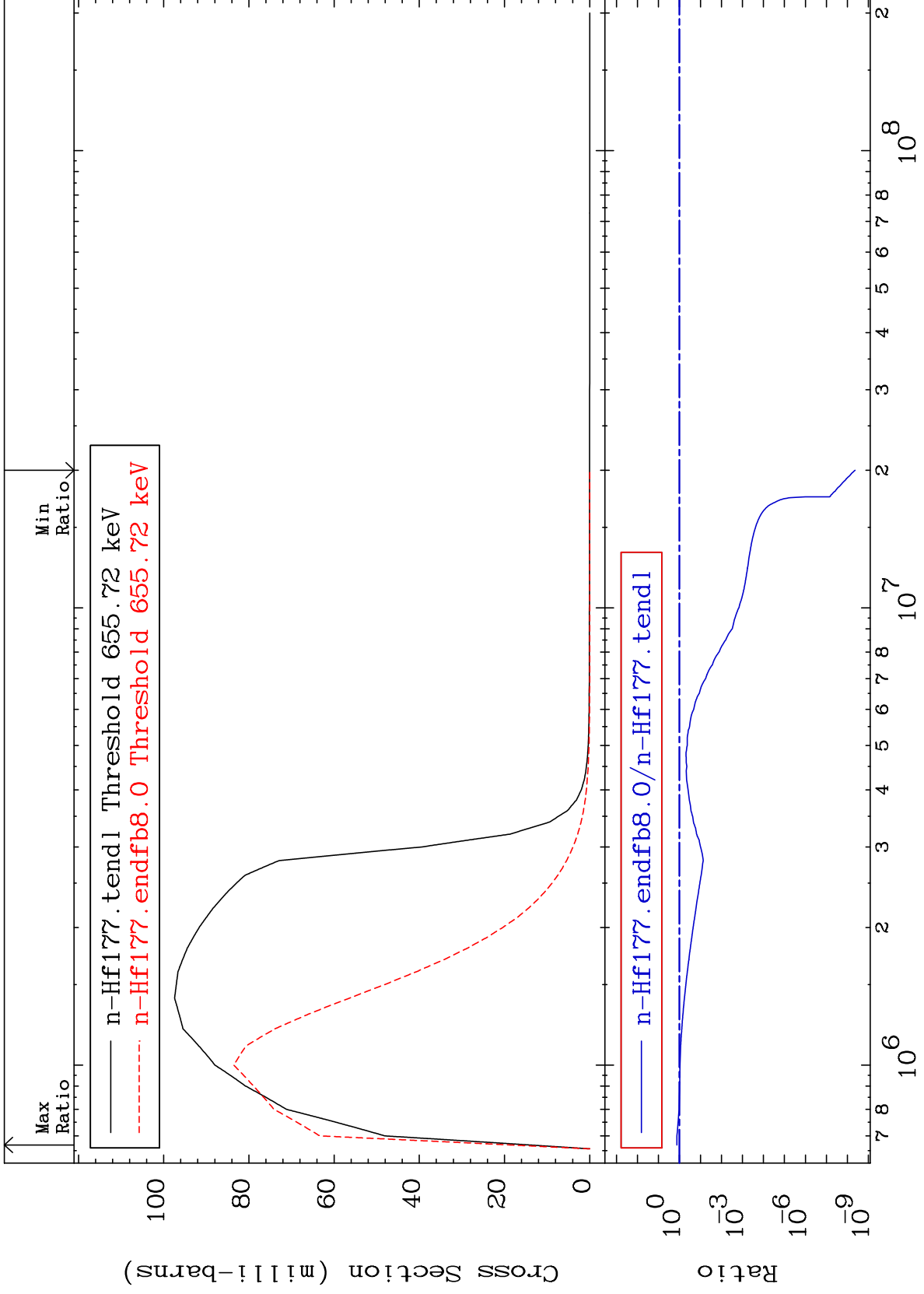
72-Hf-177  
-100.0 To 17.86 %



MAT 7234

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

72-Hf-177  
-100.0 To 31.87 %

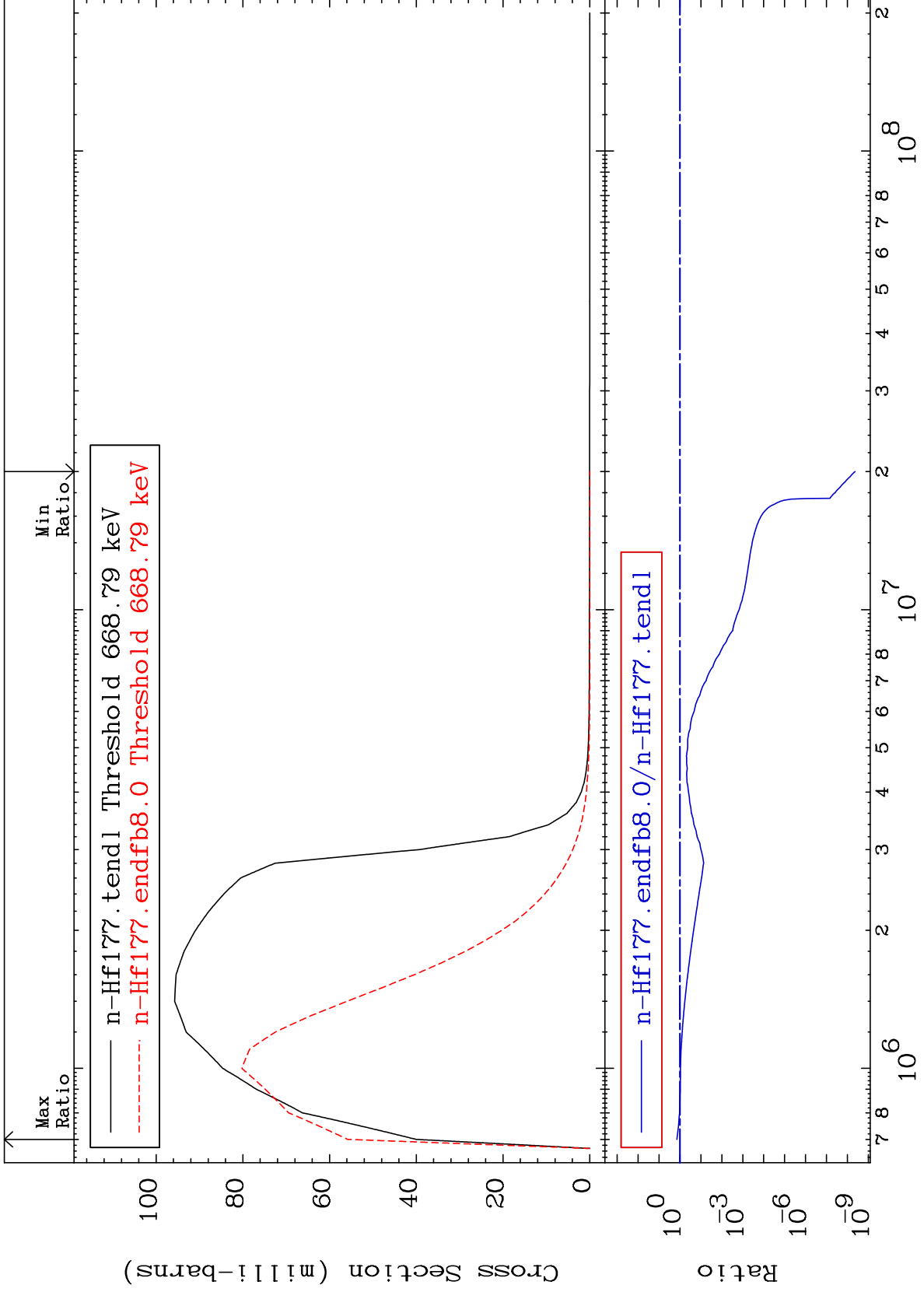




MAT 7234

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

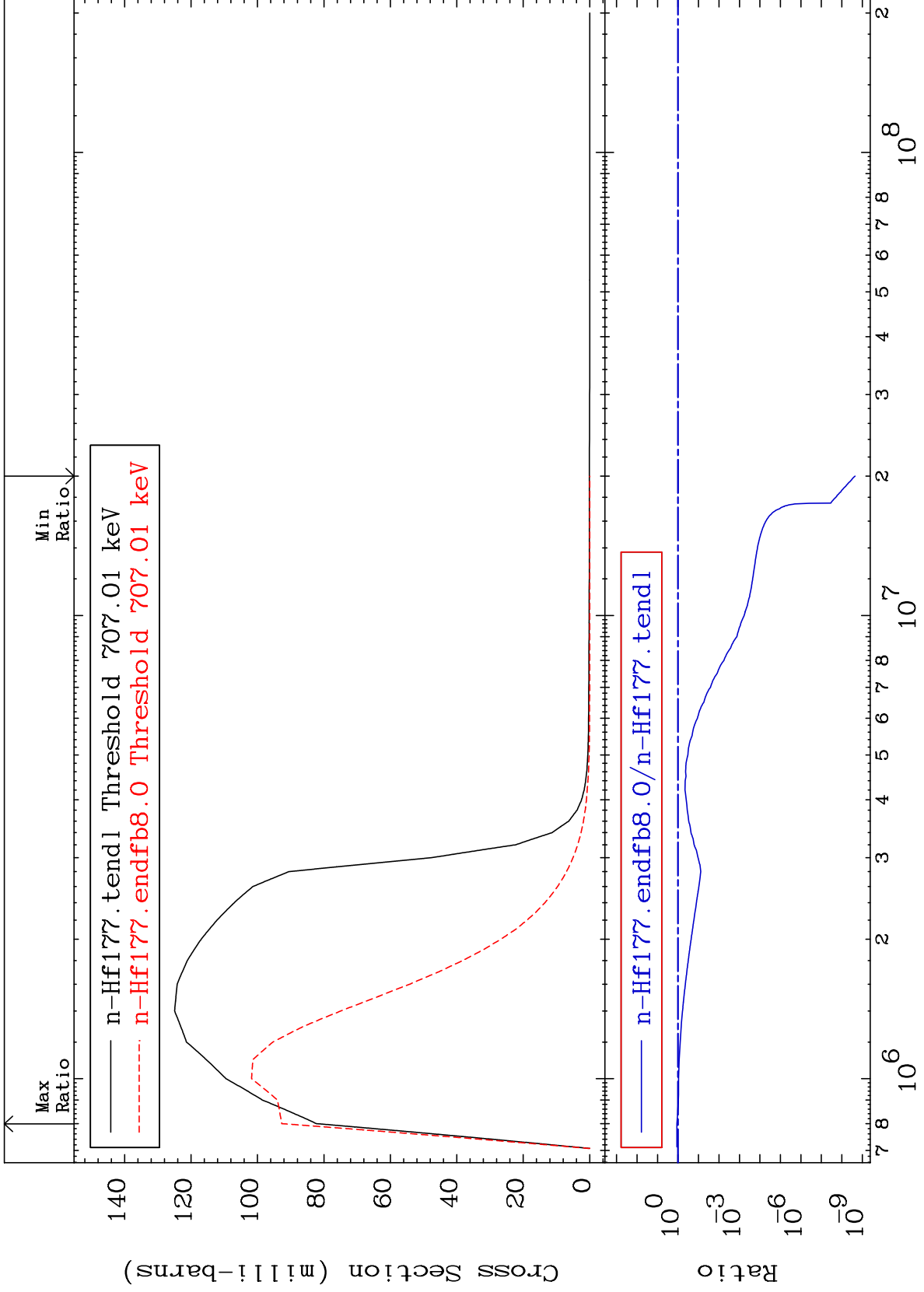
72-Hf-177  
-100.0 To 39.47 %



MAT 7234

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

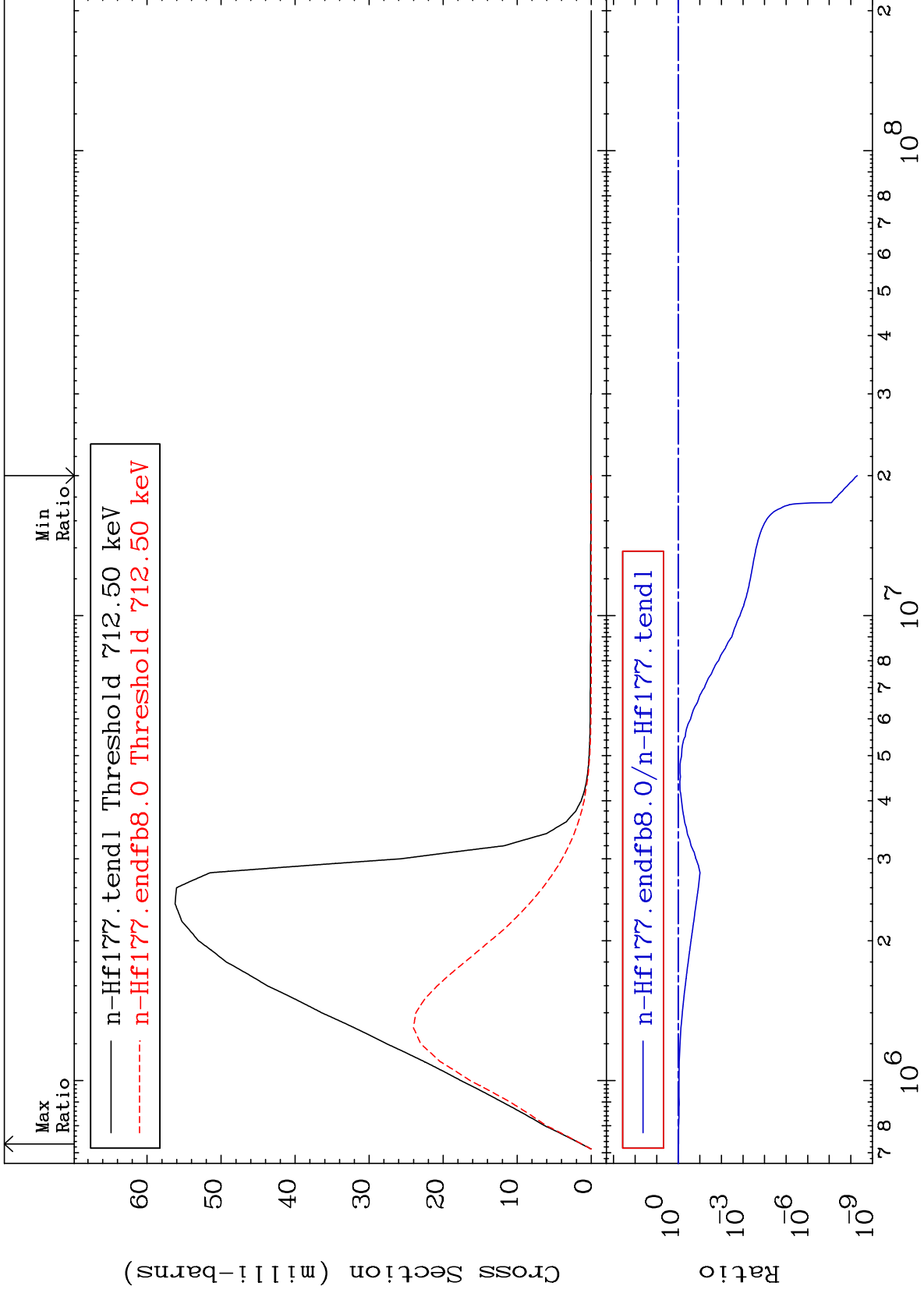
72-Hf-177  
-100.0 To 12.70 %



MAT 7234

MT= 70 (n,n') Level  
Cross Section

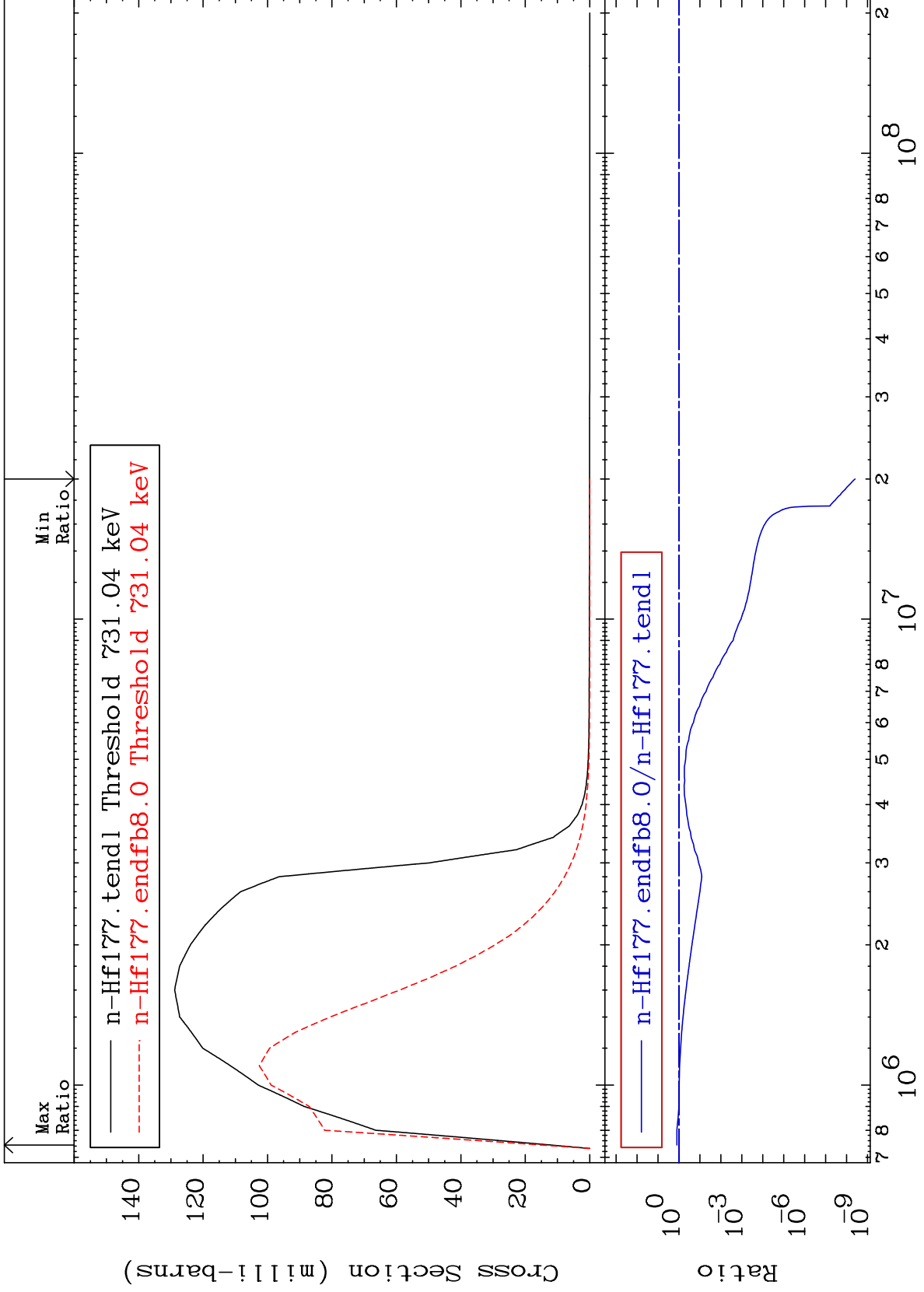
72-Hf-177  
-100.0 To -3.759%



MAT 7234

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

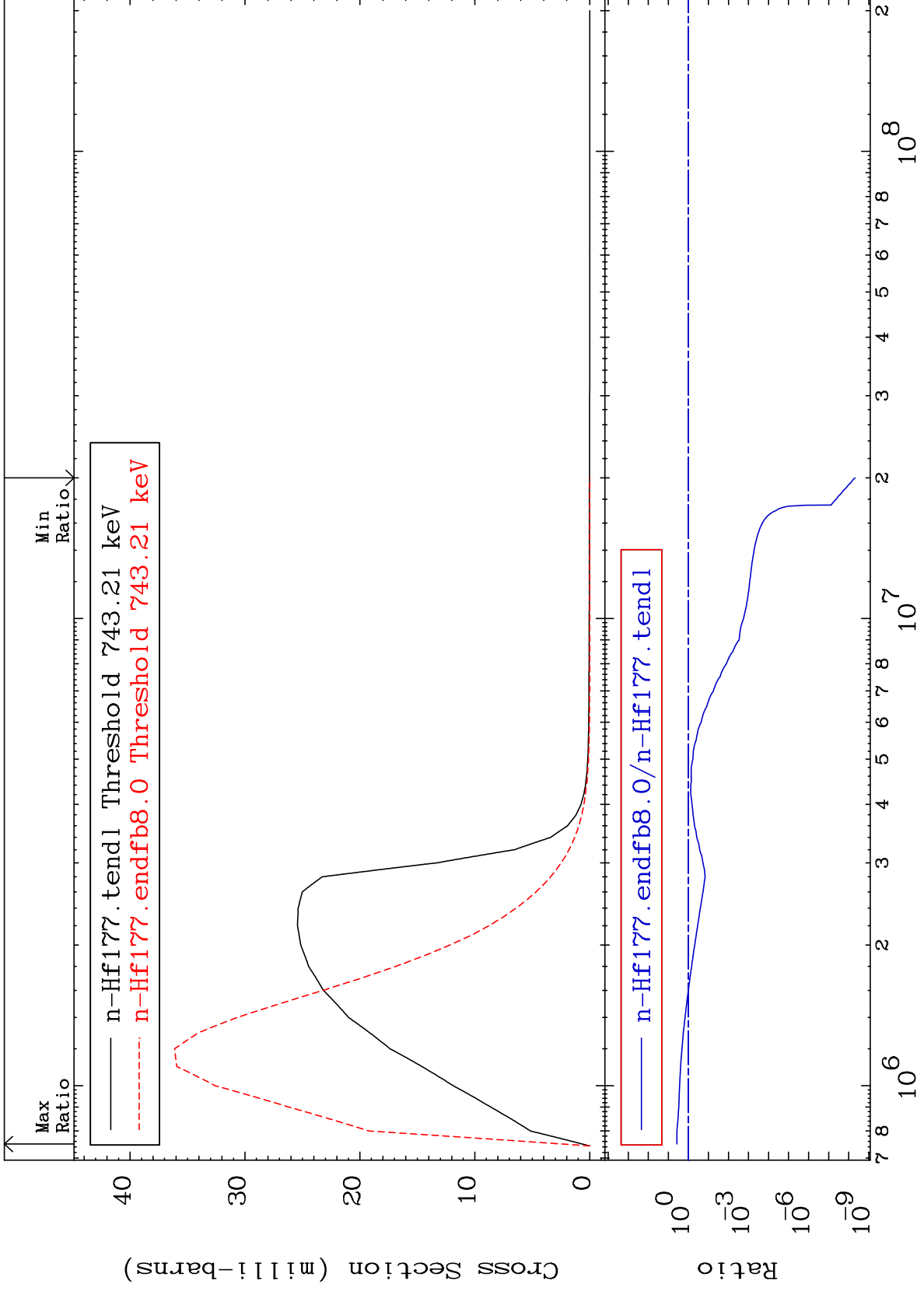
72-Hf-177  
-100.0 To 23.94 %



MAT 7234

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

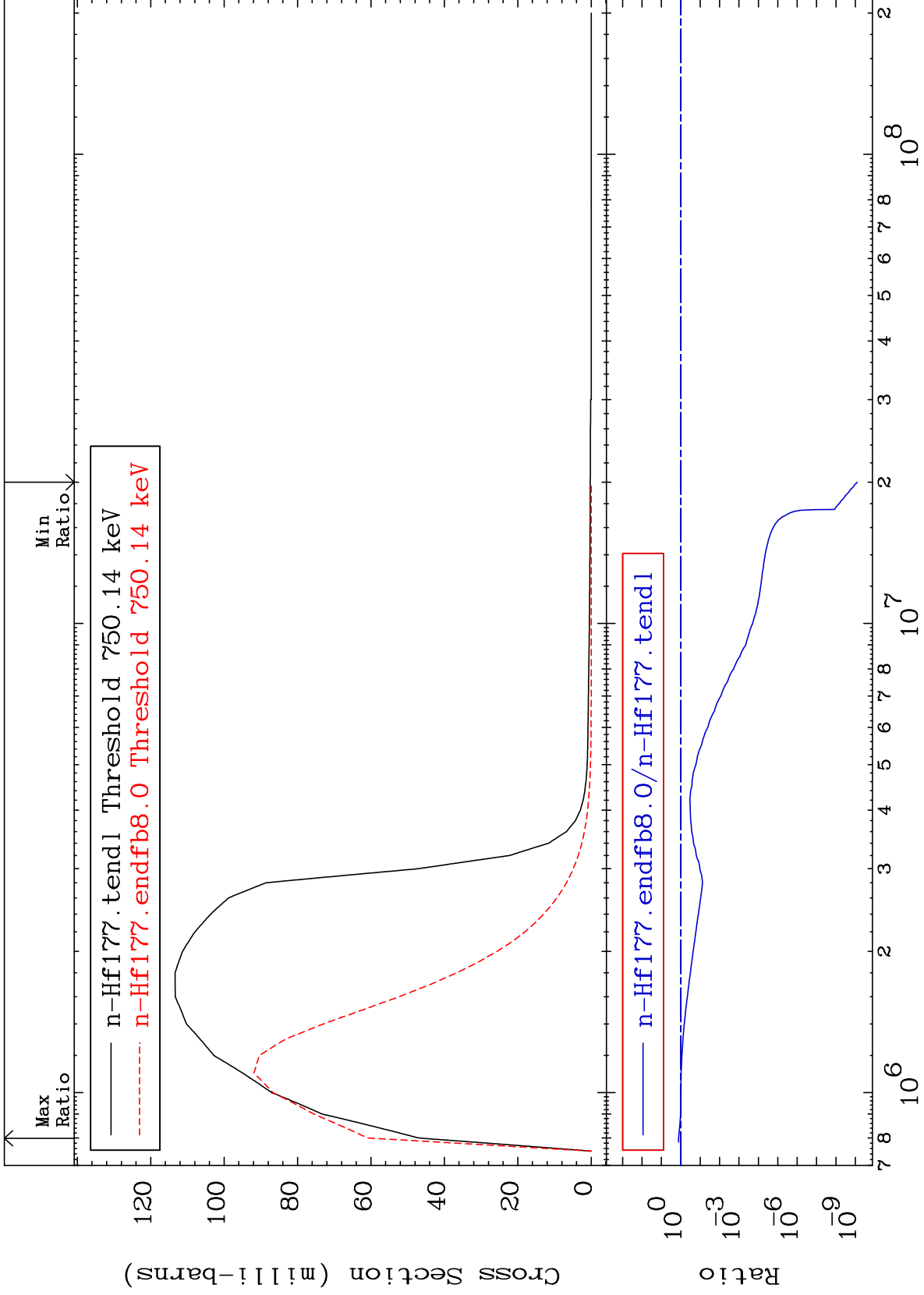
72-Hf-177  
-100.0 To 272.7 %



MAT 7234

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

72-Hf-177  
-100.0 To 29.64 %



30

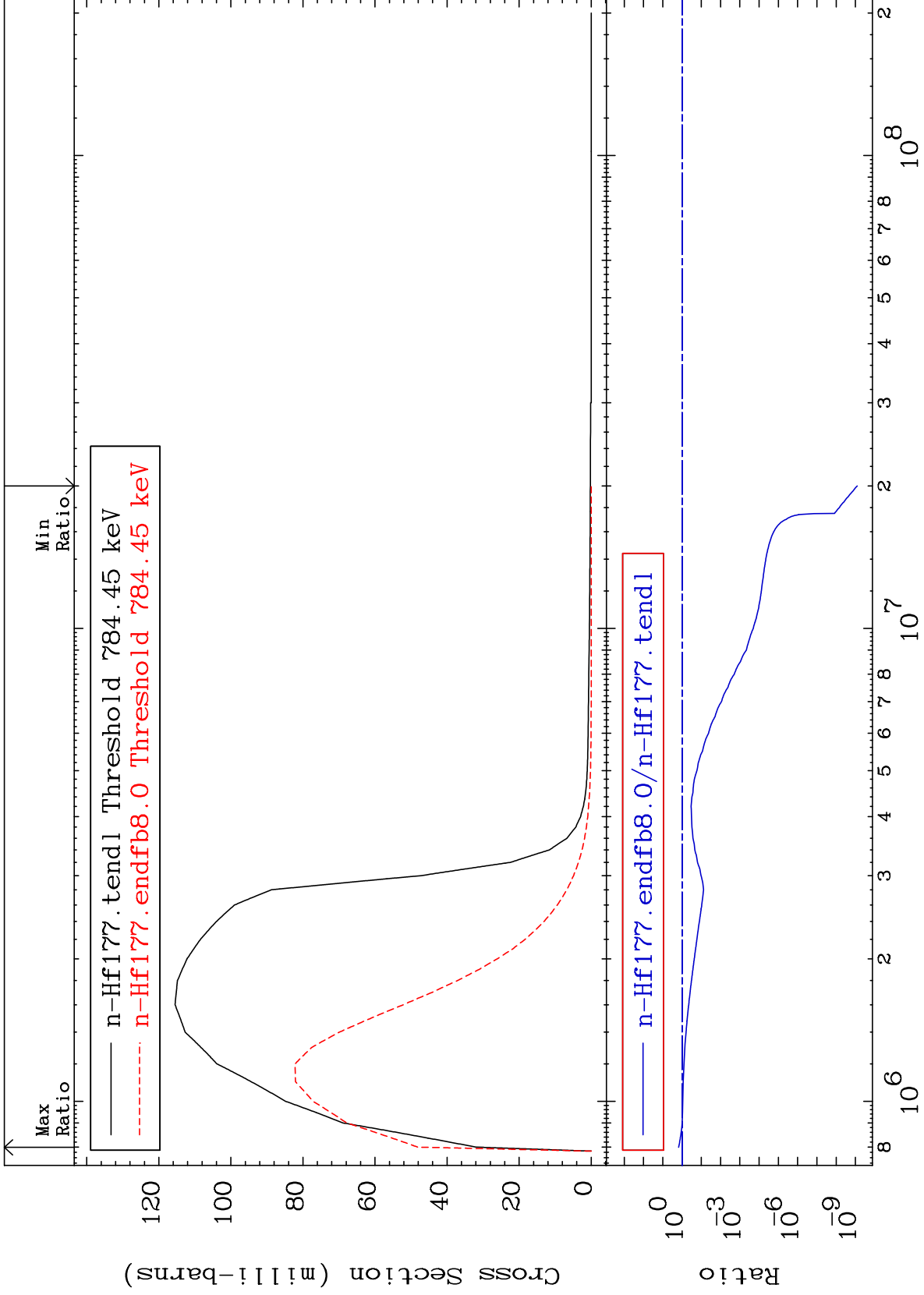
Incident Energy (eV)

72-Hf-177

MAT 7234

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

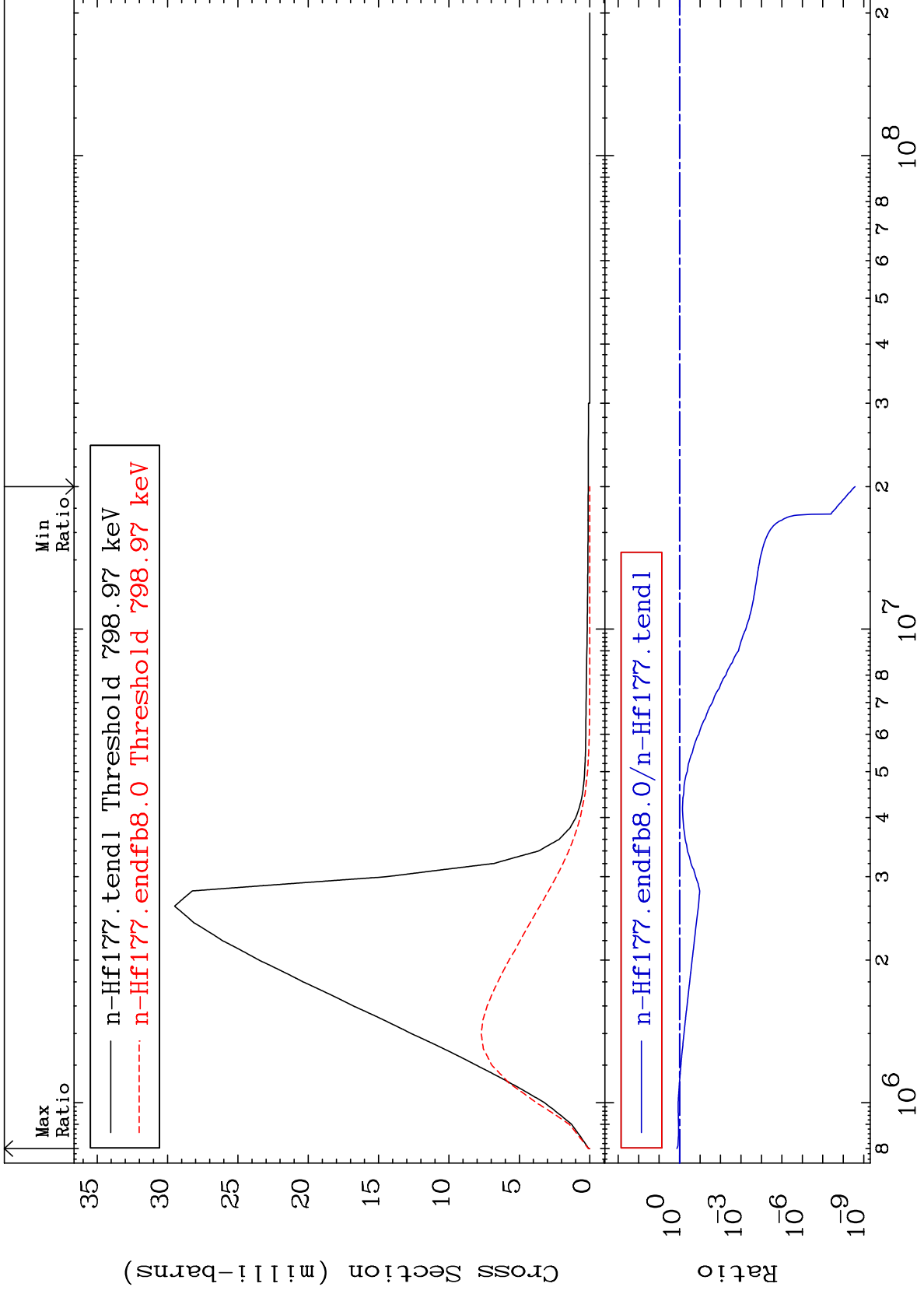
72-Hf-177  
-100.0 To 50.39 %



MAT 7234

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

72-Hf-177  
-100.0 To 34.90 %



32

Incident Energy (eV)

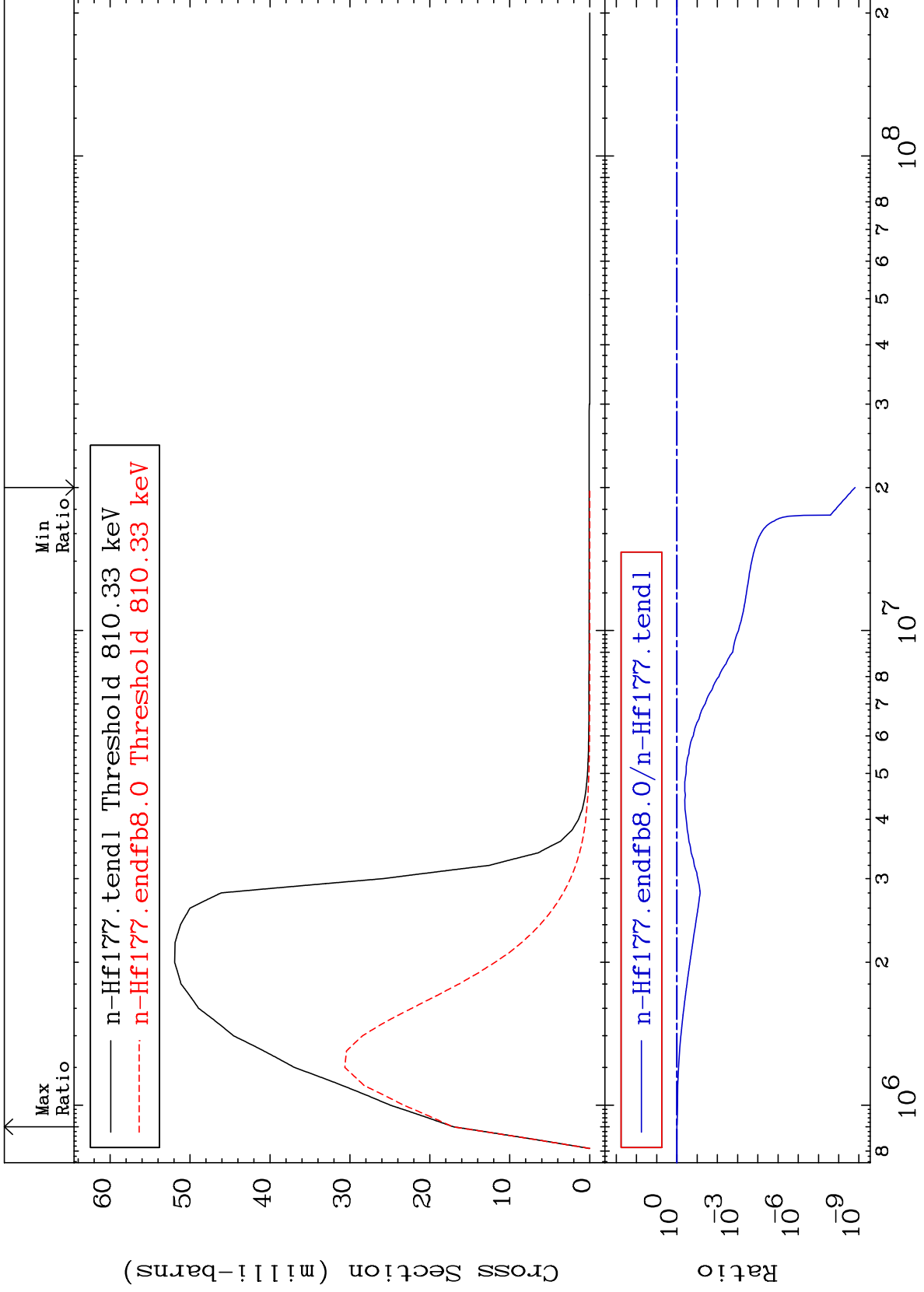
72-Hf-177



MAT 7234

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

72-Hf-177  
-100.0 To 0.412 %



33

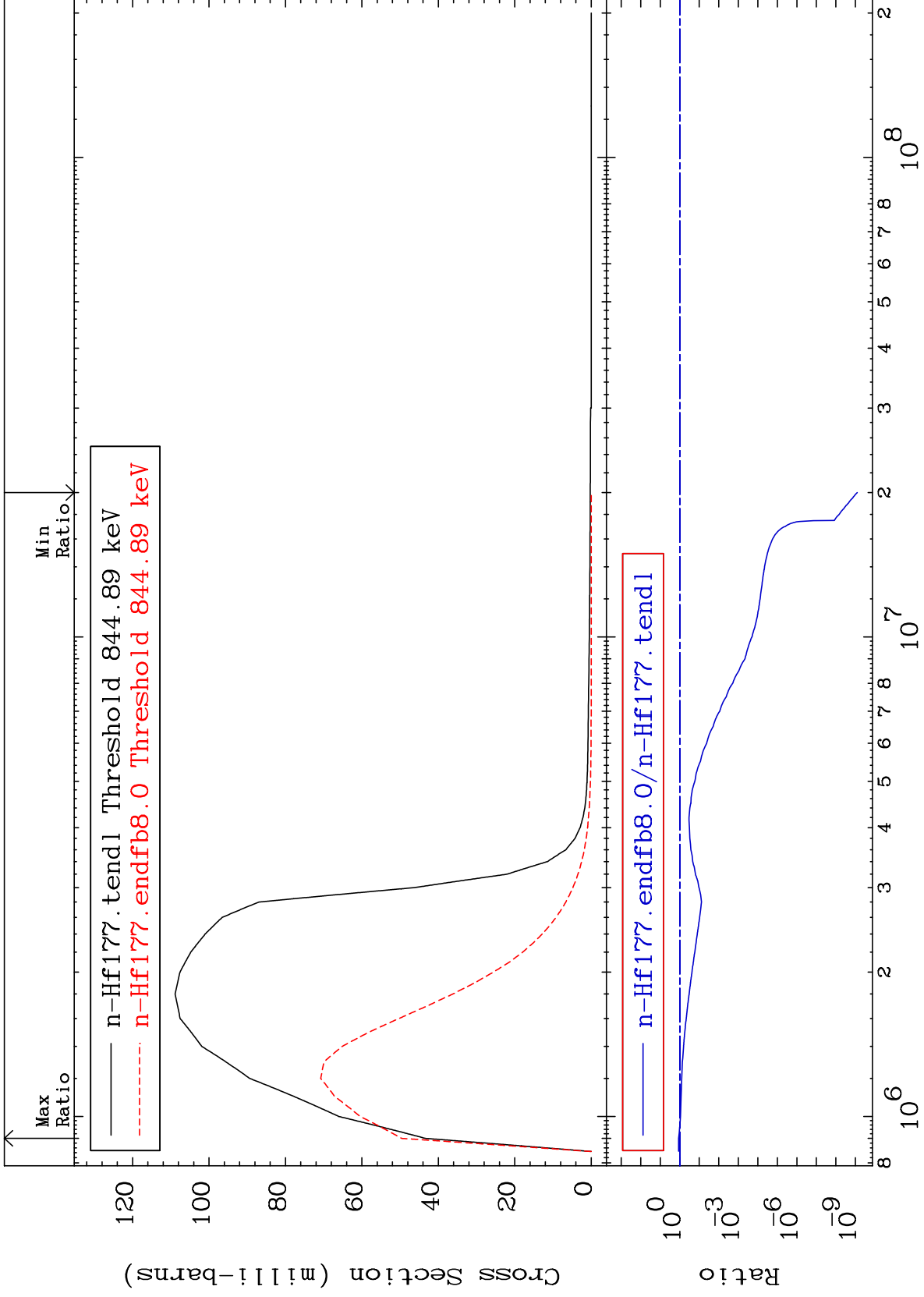
Incident Energy (eV)

72-Hf-177

MAT 7234

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

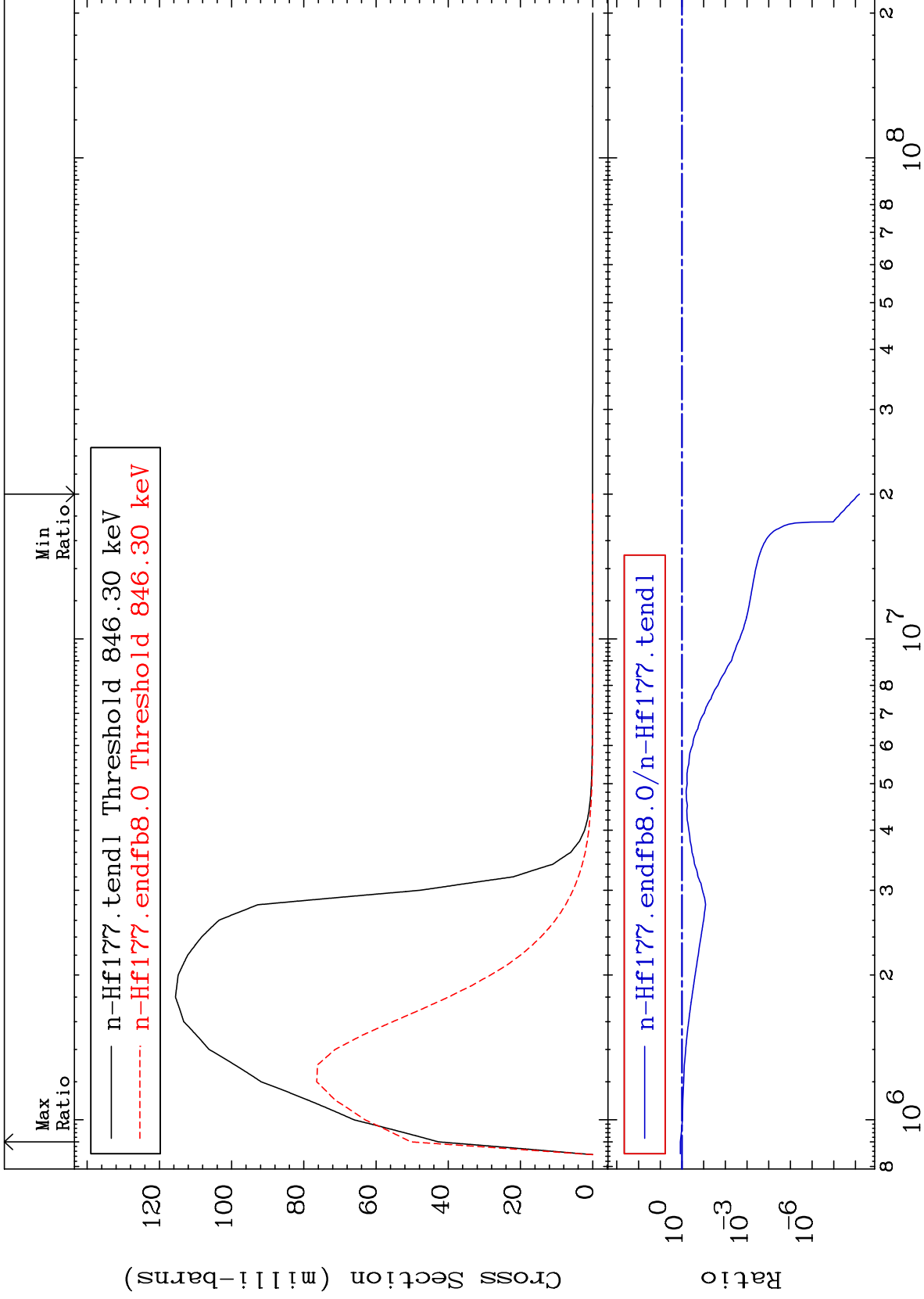
72-Hf-177  
-100.0 To 14.28 %



MAT 7234

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

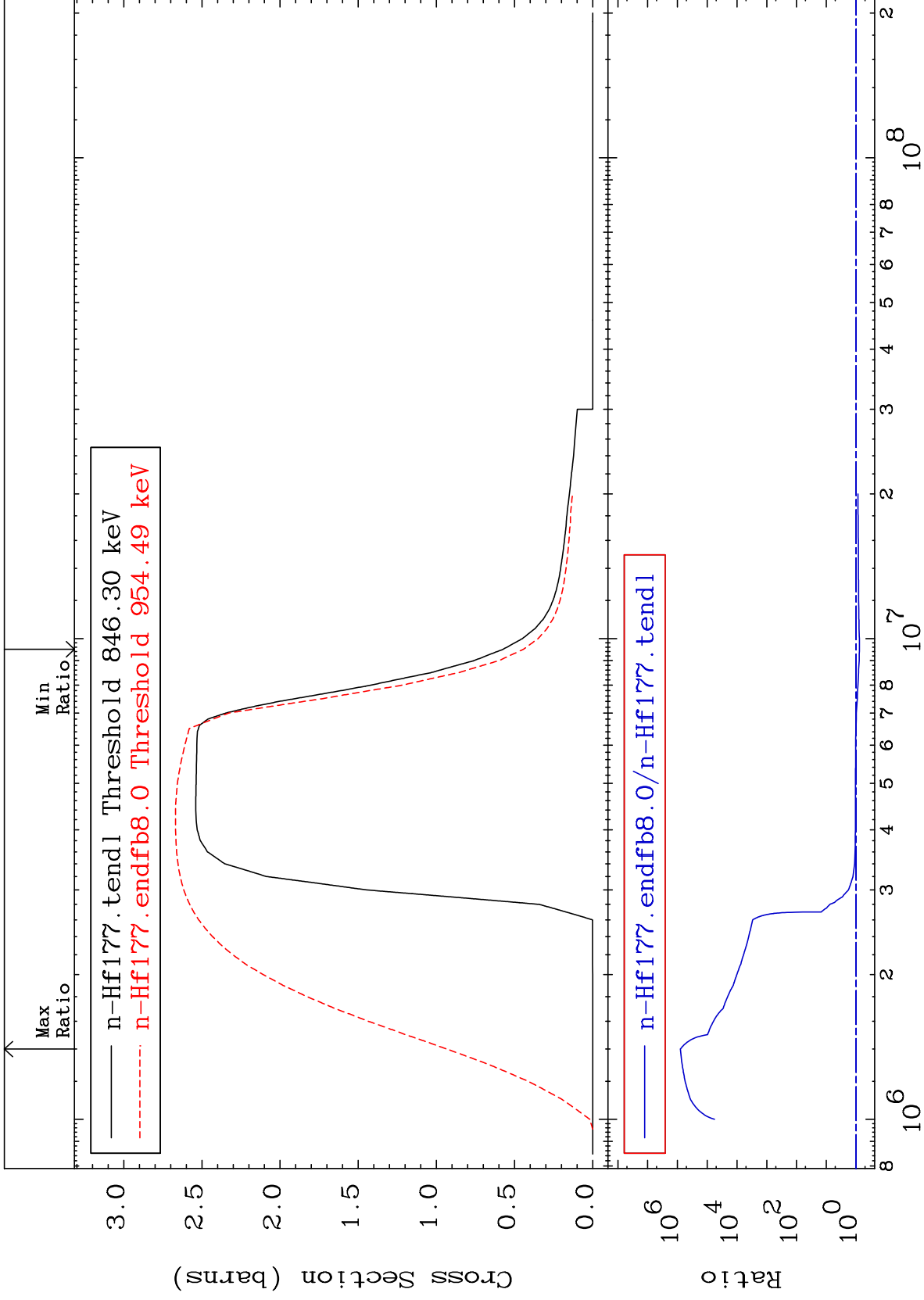
<sup>72</sup>Hf-177  
-100.0 To 17.83 %



35

Incident Energy (eV)

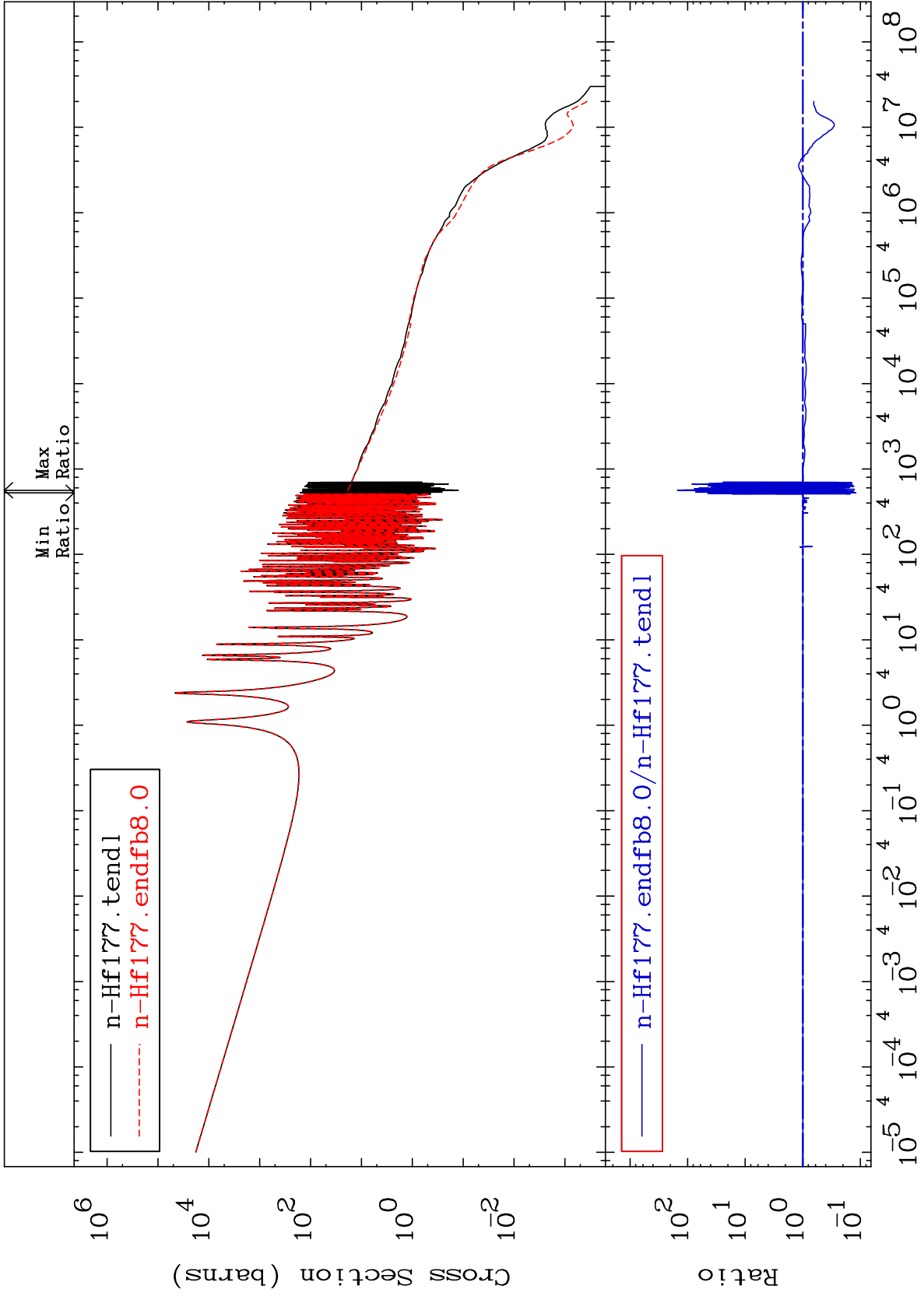
<sup>72</sup>Hf-177



MAT 7234

(n,  $\gamma$ )  
Cross Section

72-Hf-177  
-88.02 To 9999. %



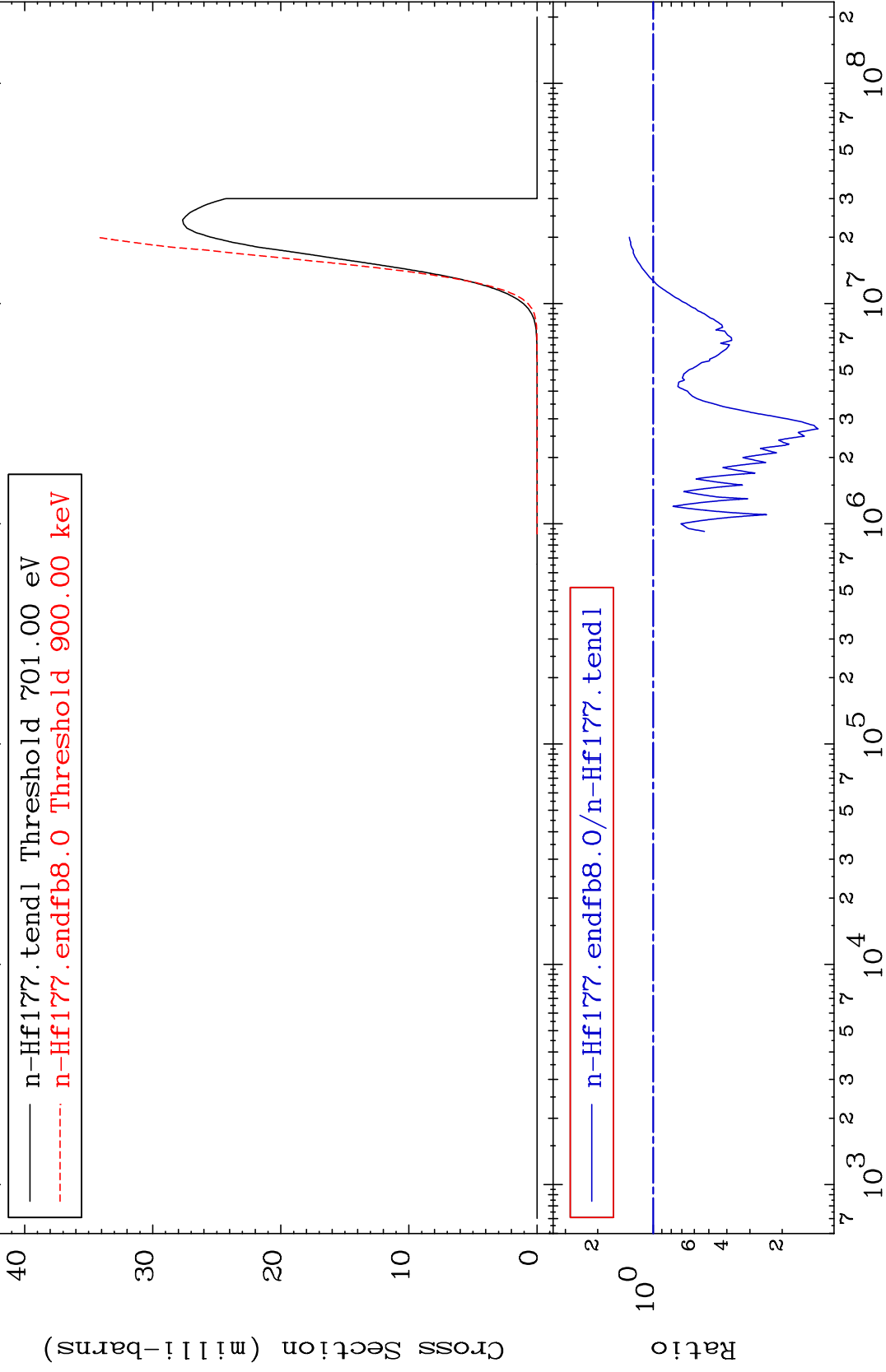
MAT 7234

(n,p)

Cross Section

<sup>72</sup>Hf-177

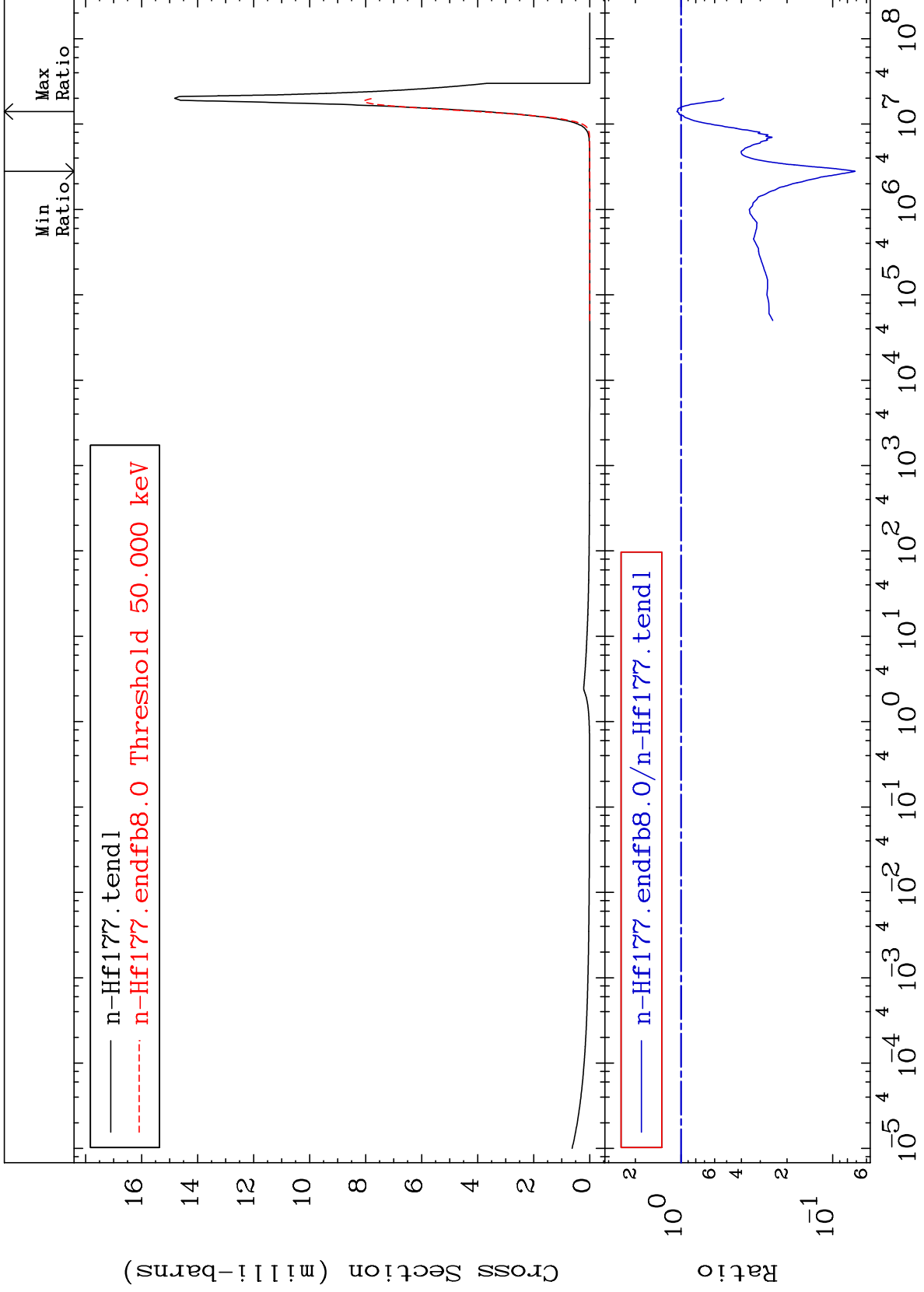
-87.19 To 34.86 %



MAT 7234

(n,  $\alpha$ )  
Cross Section

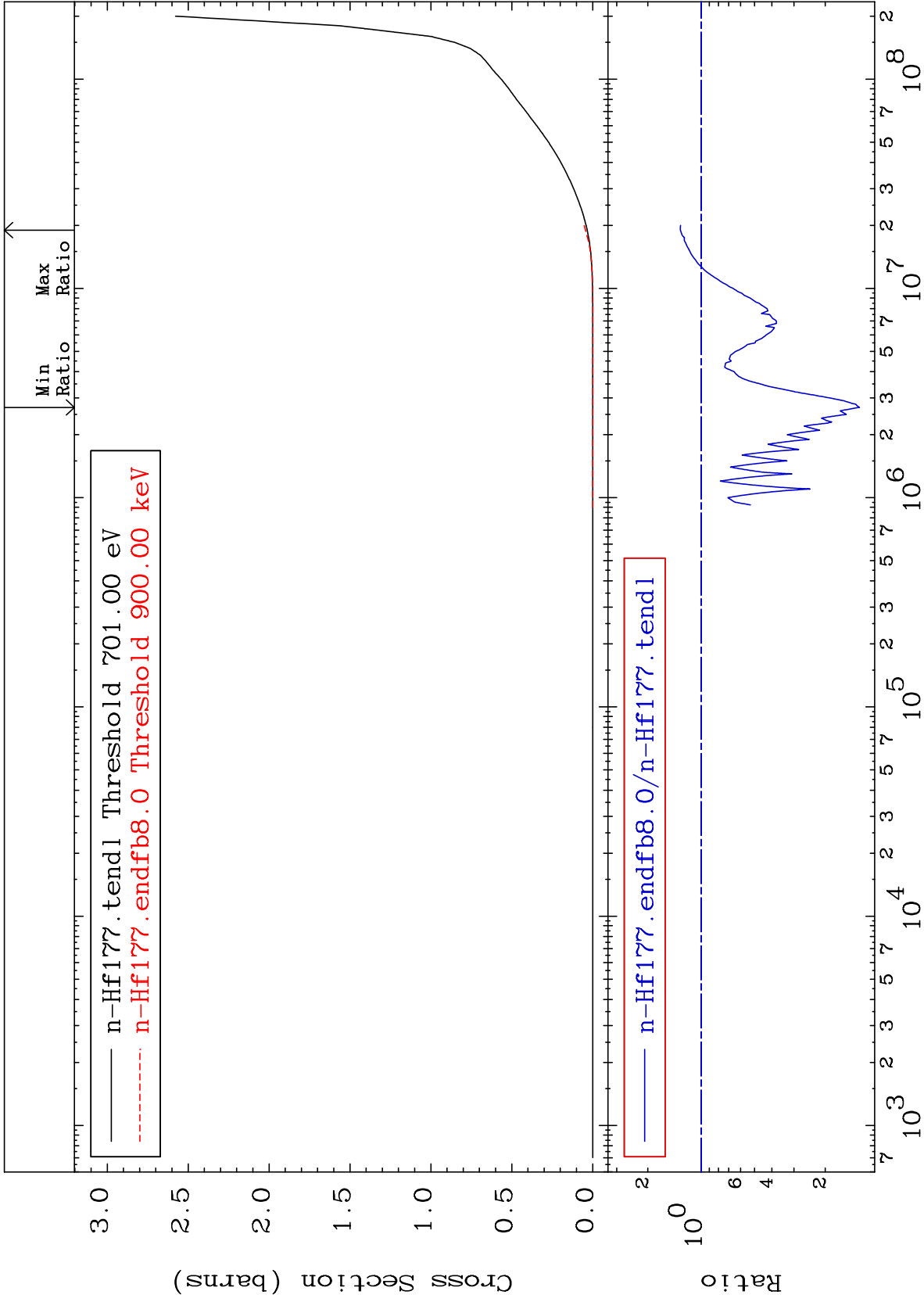
72-Hf-177  
-92.88 To 6.486 %



MAT 7234

Hydrogen Production  
Cross Section

72-Hf-177  
-87.19 To 31.16 %



40

Incident Energy (eV)

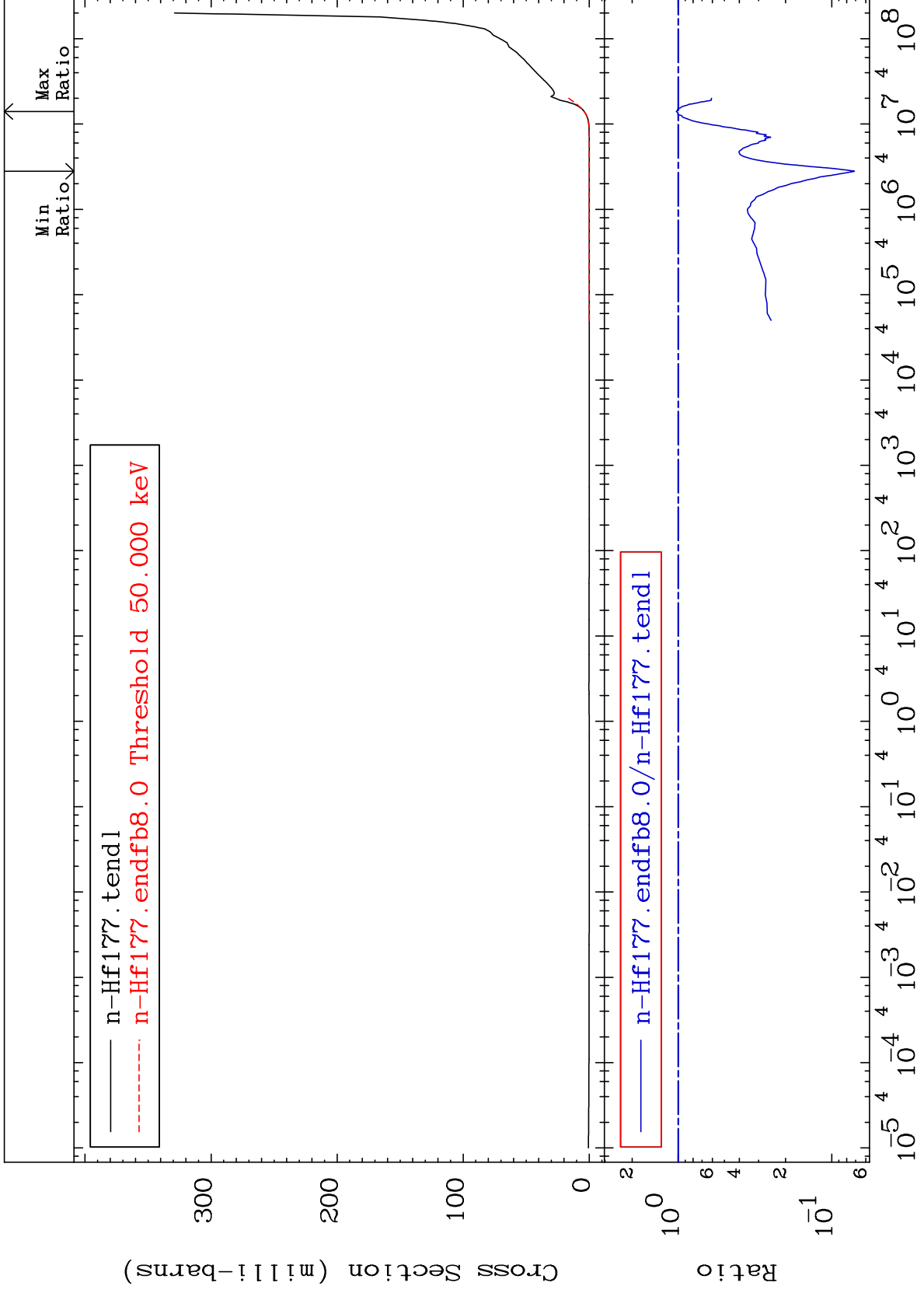
72-Hf-177



MAT 7234

He-4 Production  
Cross Section

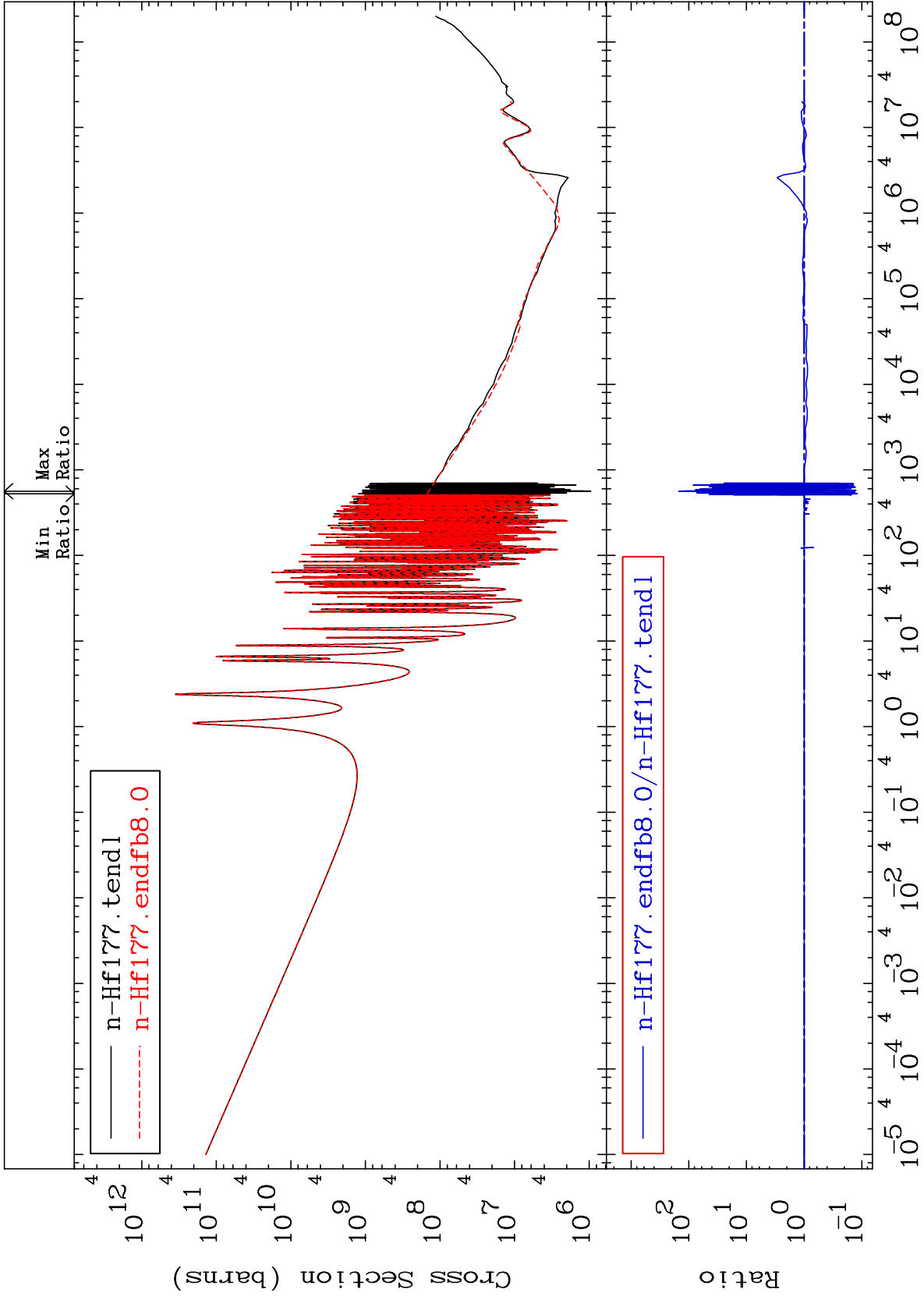
72-Hf-177  
-92.88 To 2.912 %



41

Incident Energy (eV)

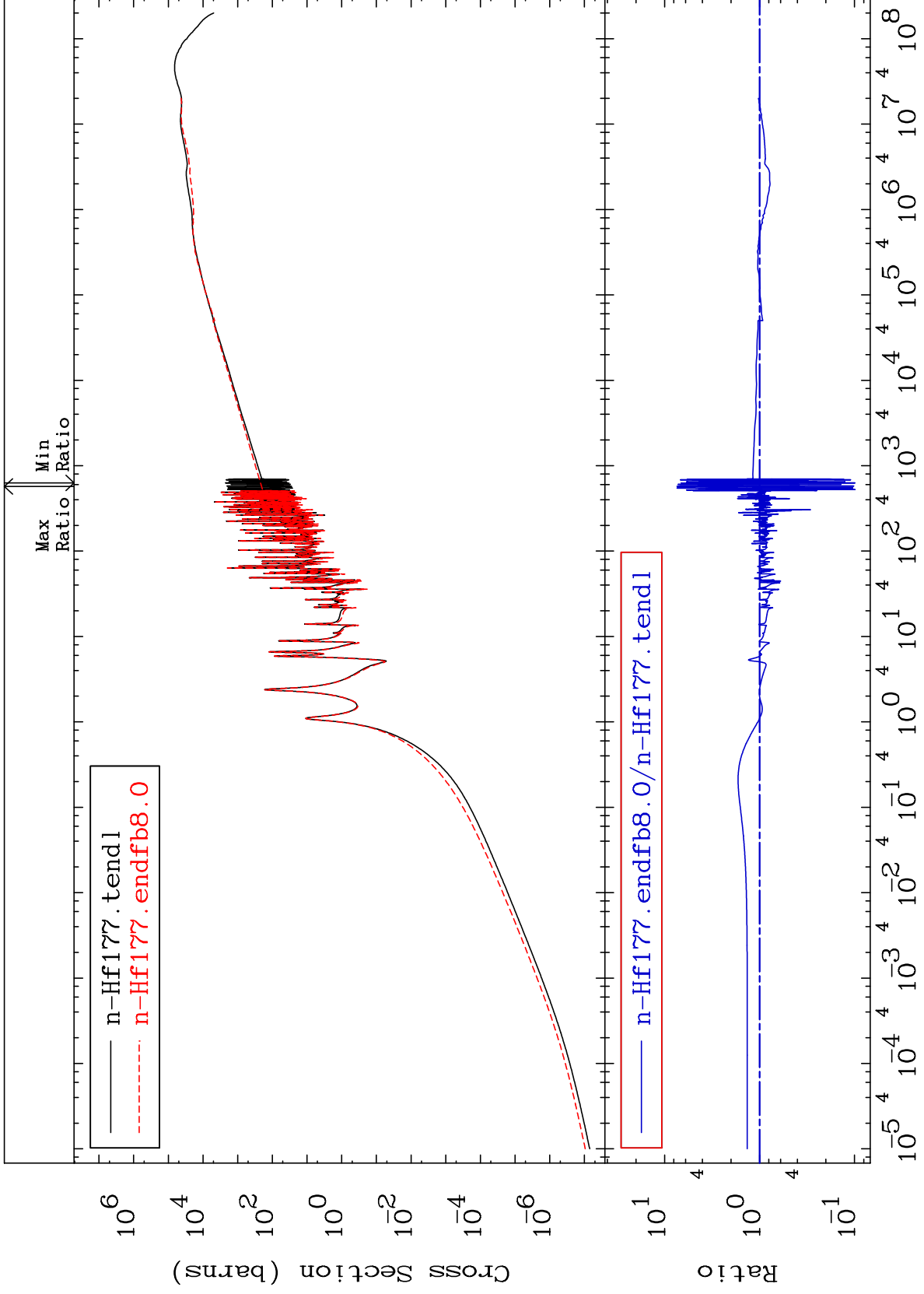
72-Hf-177

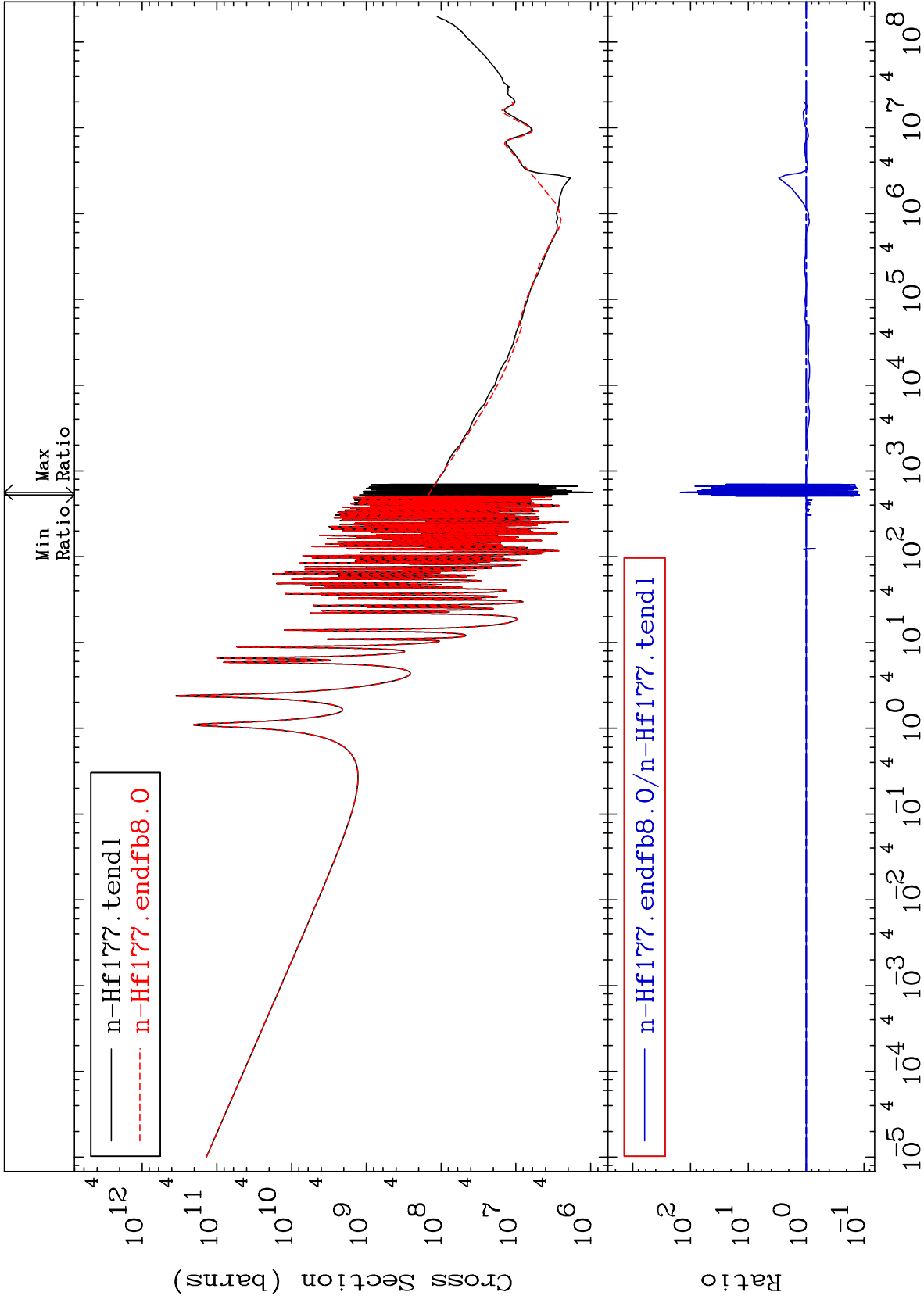


MAT 7234

Kerma elastic  
Cross Section

72-Hf-177  
-90.14 To 641.6 %

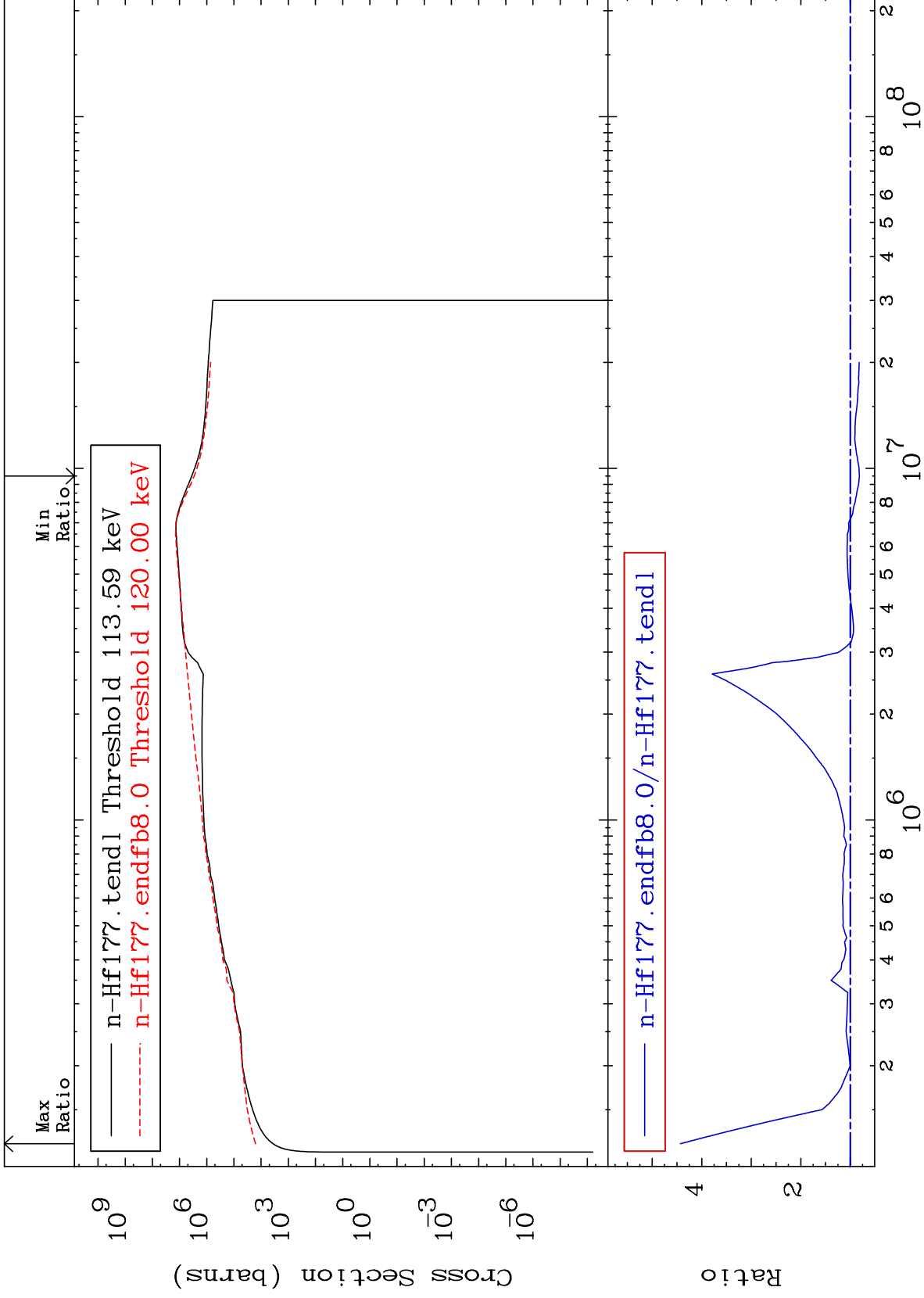




MAT 7234

Kerma inelastic (mt51-91)  
Cross Section

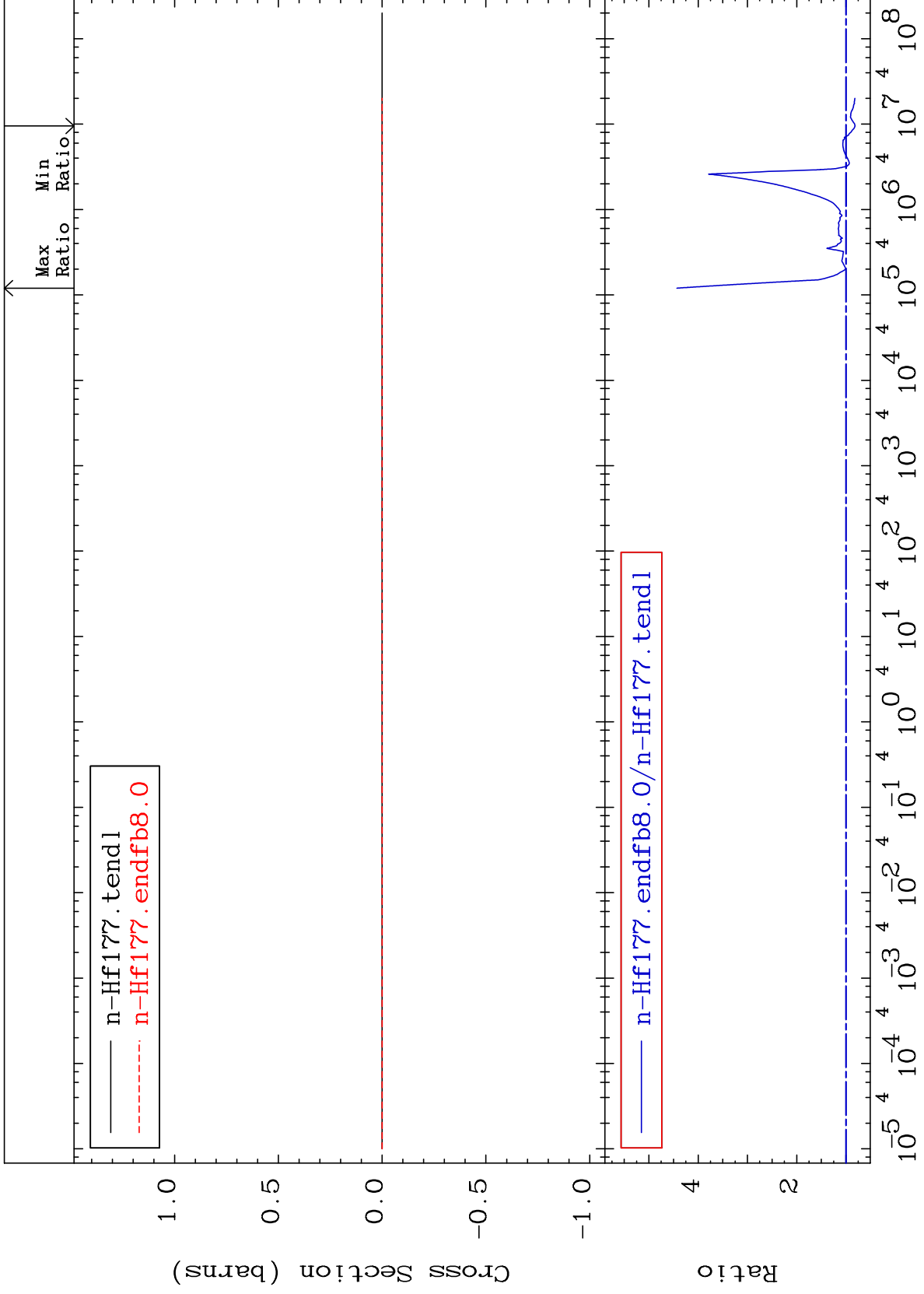
72-Hf-177  
-18.50 To 343.1 %



MAT 7234

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

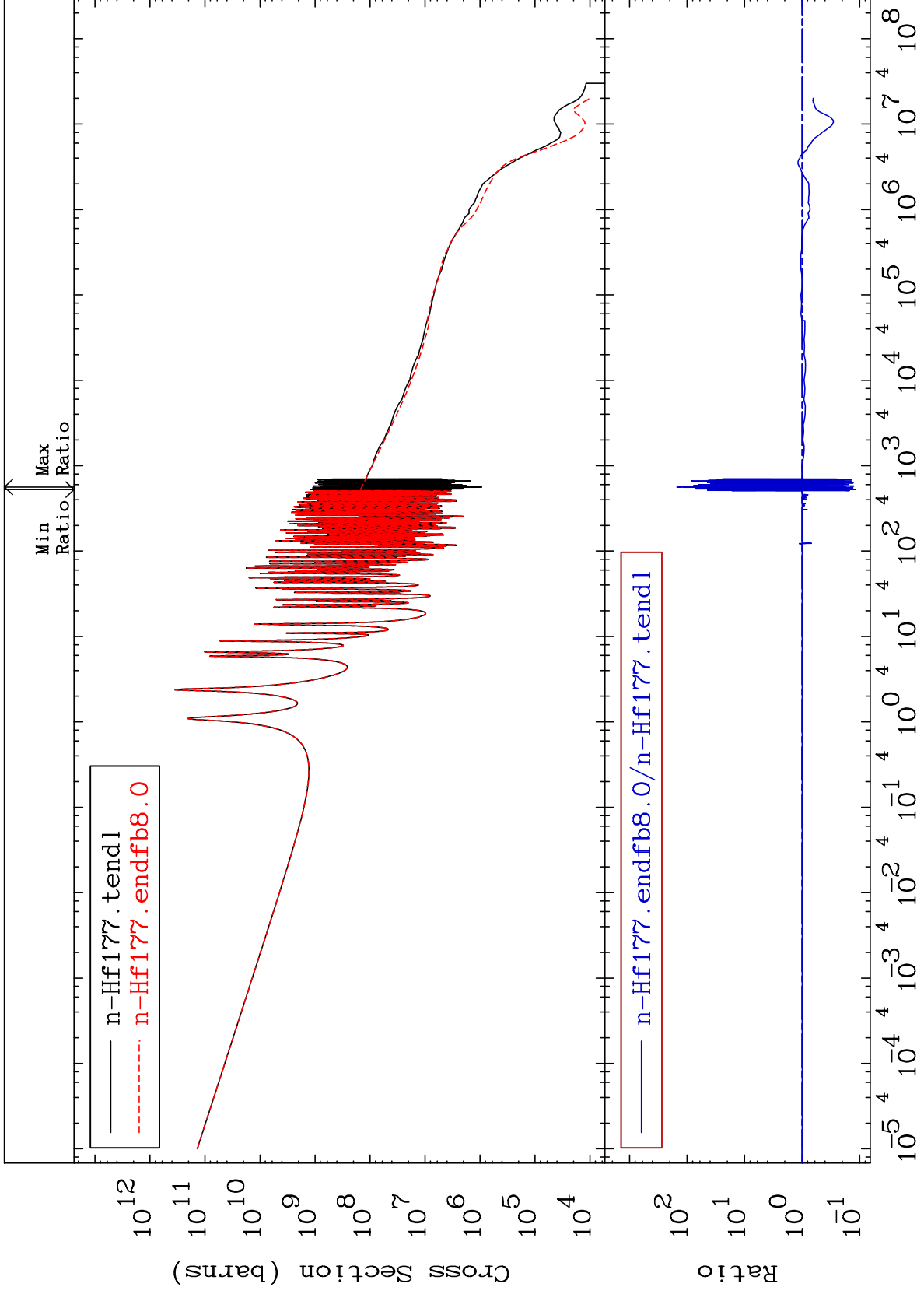
72-Hf-177  
-18.50 To 343.1 %



MAT 7234

Kerma capture (mt102)  
Cross Section

72-Hf-177  
-88.02 To 9999. %



47

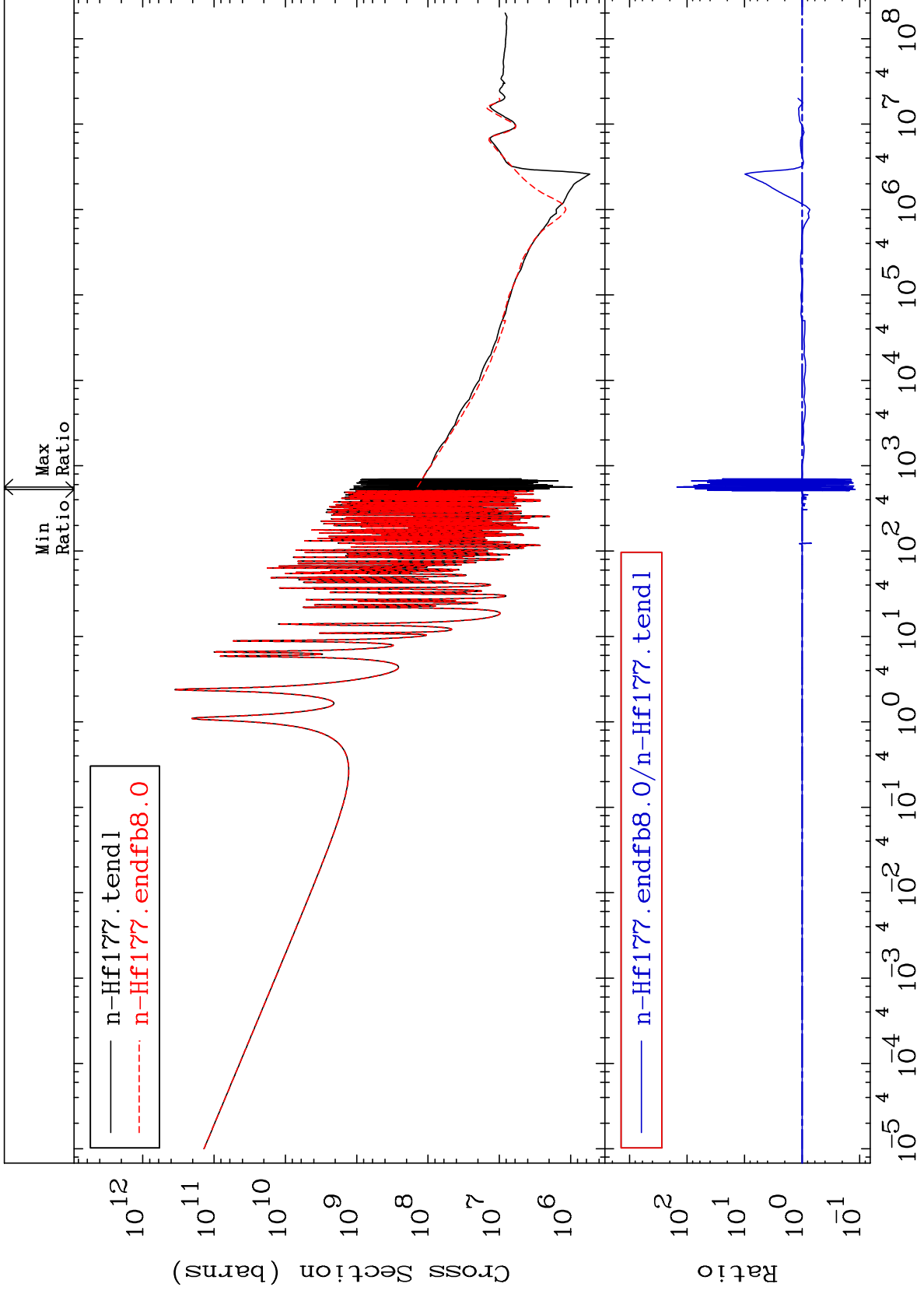
Incident Energy (eV)

72-Hf-177

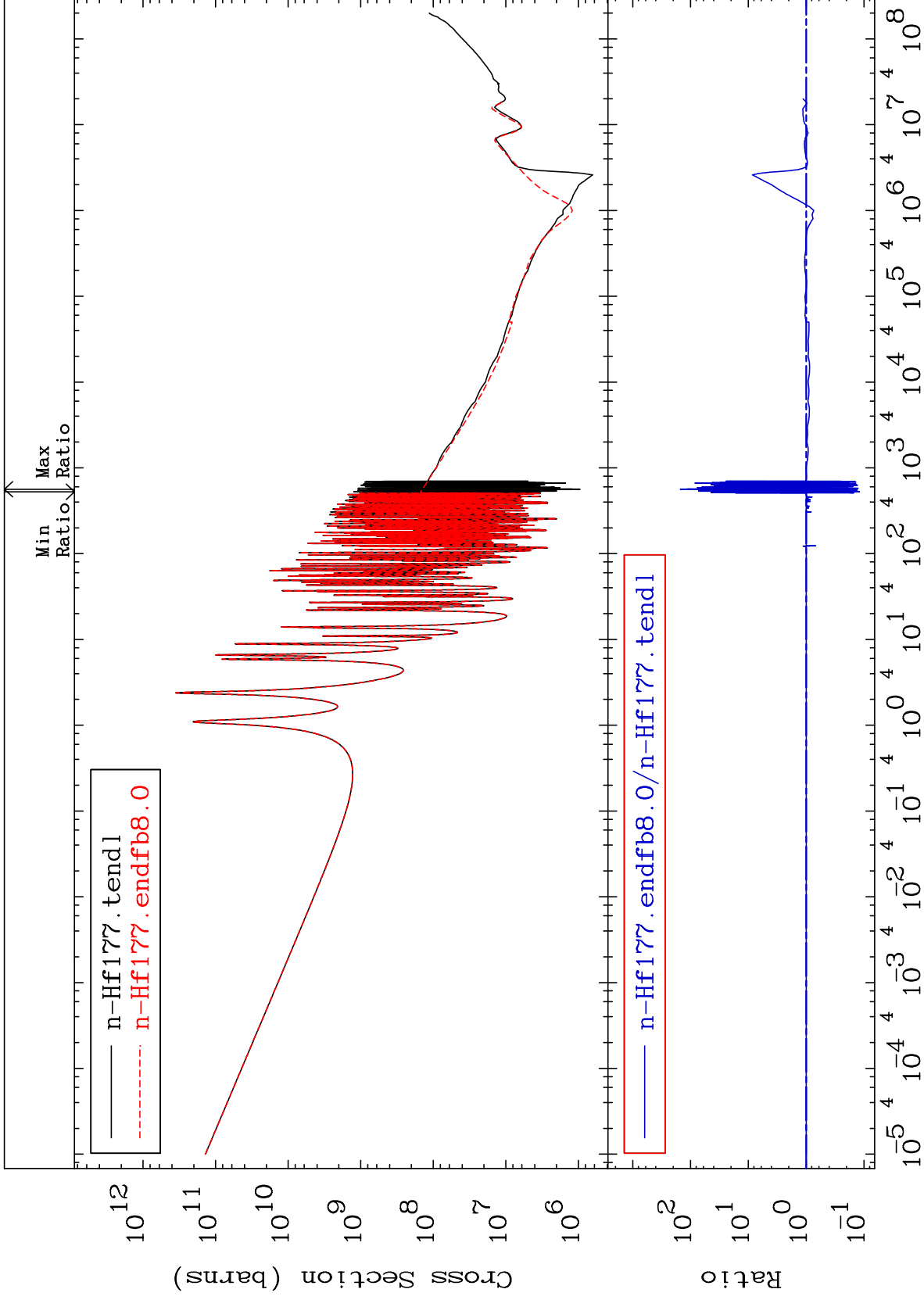
MAT 7234

Total photon (eV-barns)  
Cross Section

72-Hf-177  
-88.02 To 9999. %



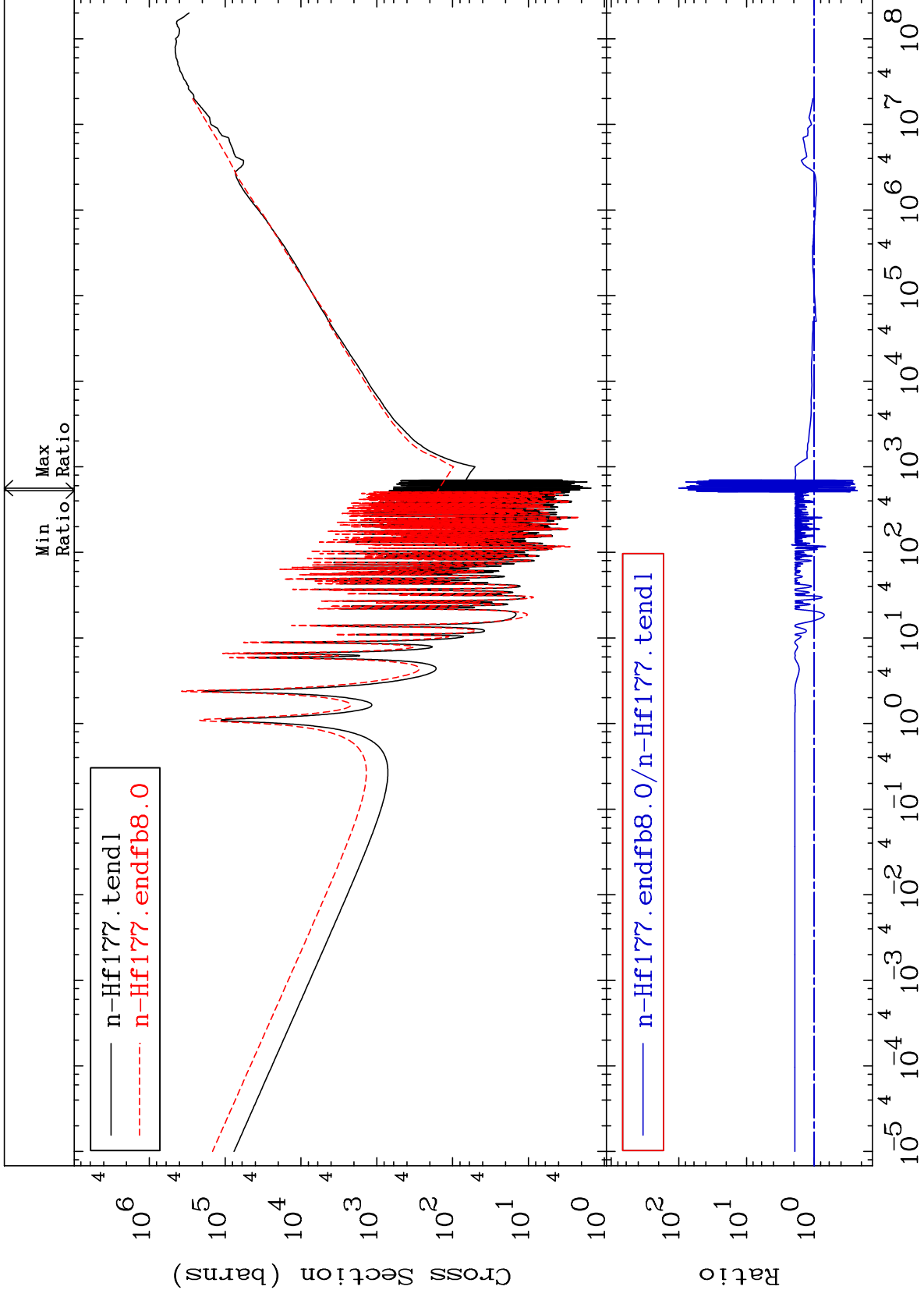




MAT 7234

Dpa total (eV-barns)  
Cross Section

72-Hf-177  
-76.95 To 9989. %



50

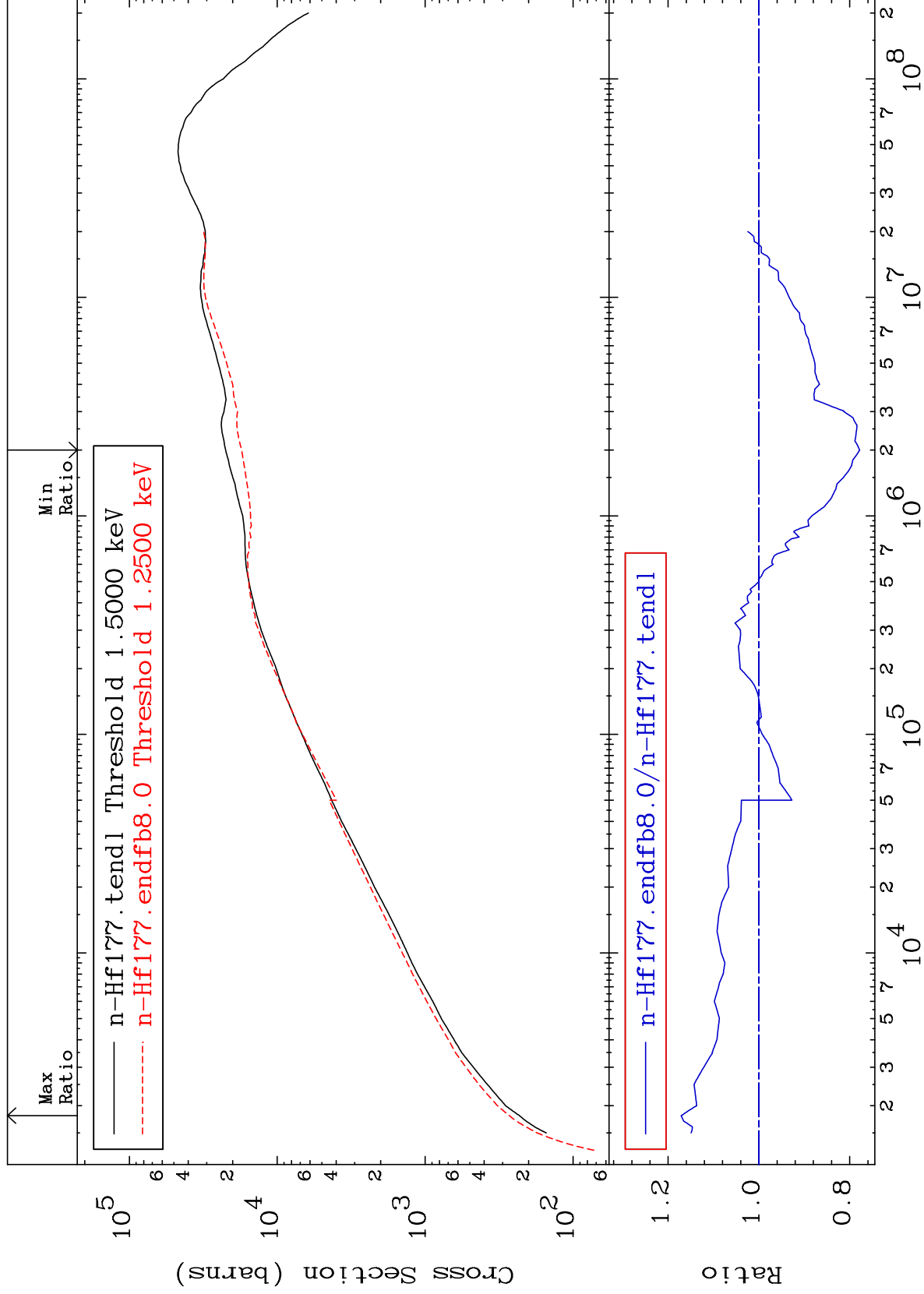
Incident Energy (eV)

72-Hf-177

MAT 7234

Dpa elastic (mt2)  
Cross Section

72-Hf-177  
-22.19 To 17.12 %



MAT 7234

Dpa inelastic (mt51-91)  
Cross Section

72-Hf-177  
0.113 To 277.5 %

