

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

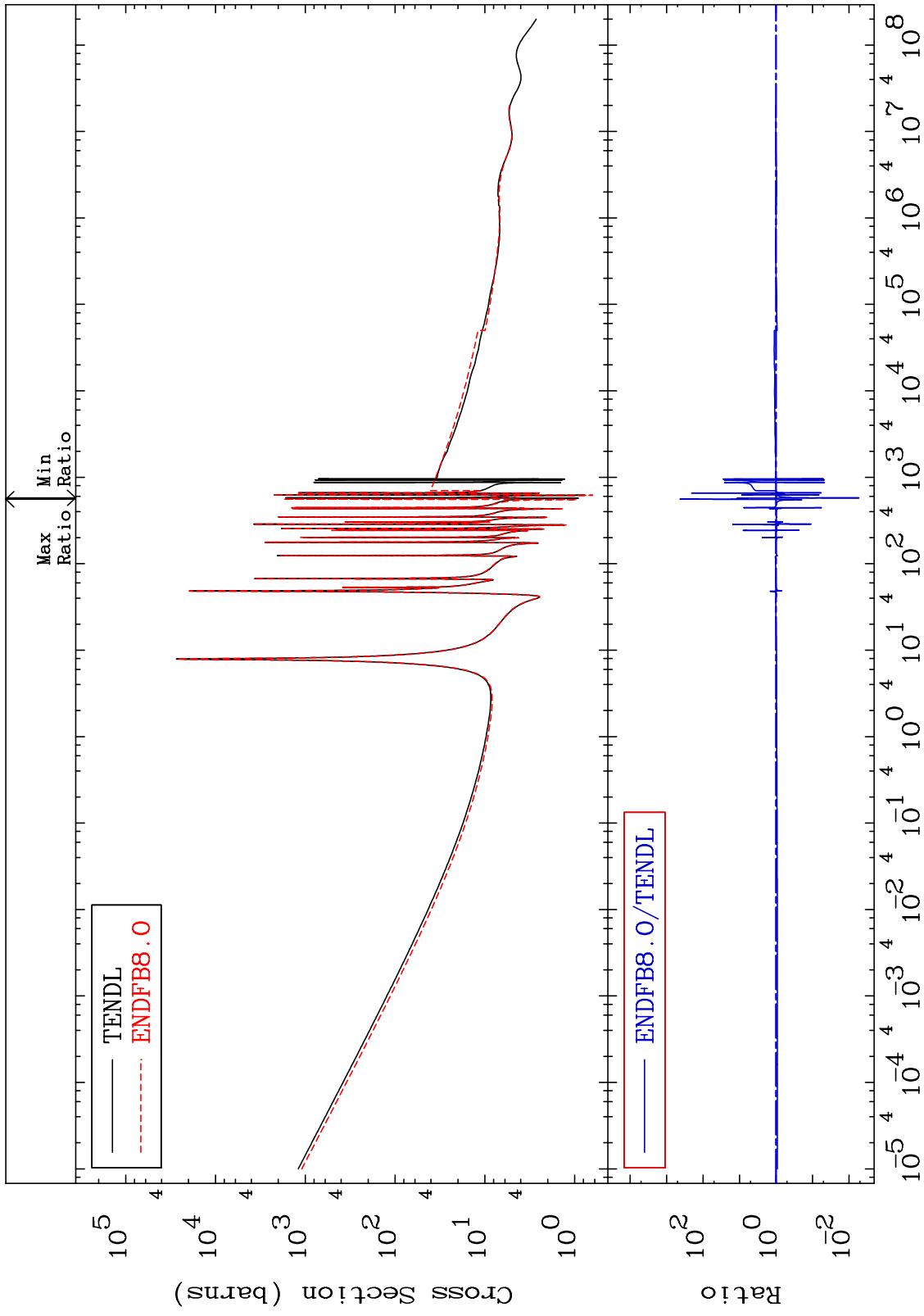
Press Mouse Button to Start

MAT 7231

Total  
Cross Section

72-Hf-176

-99.46 To 9999. %



Incident Energy (eV)

72-Hf-176

1

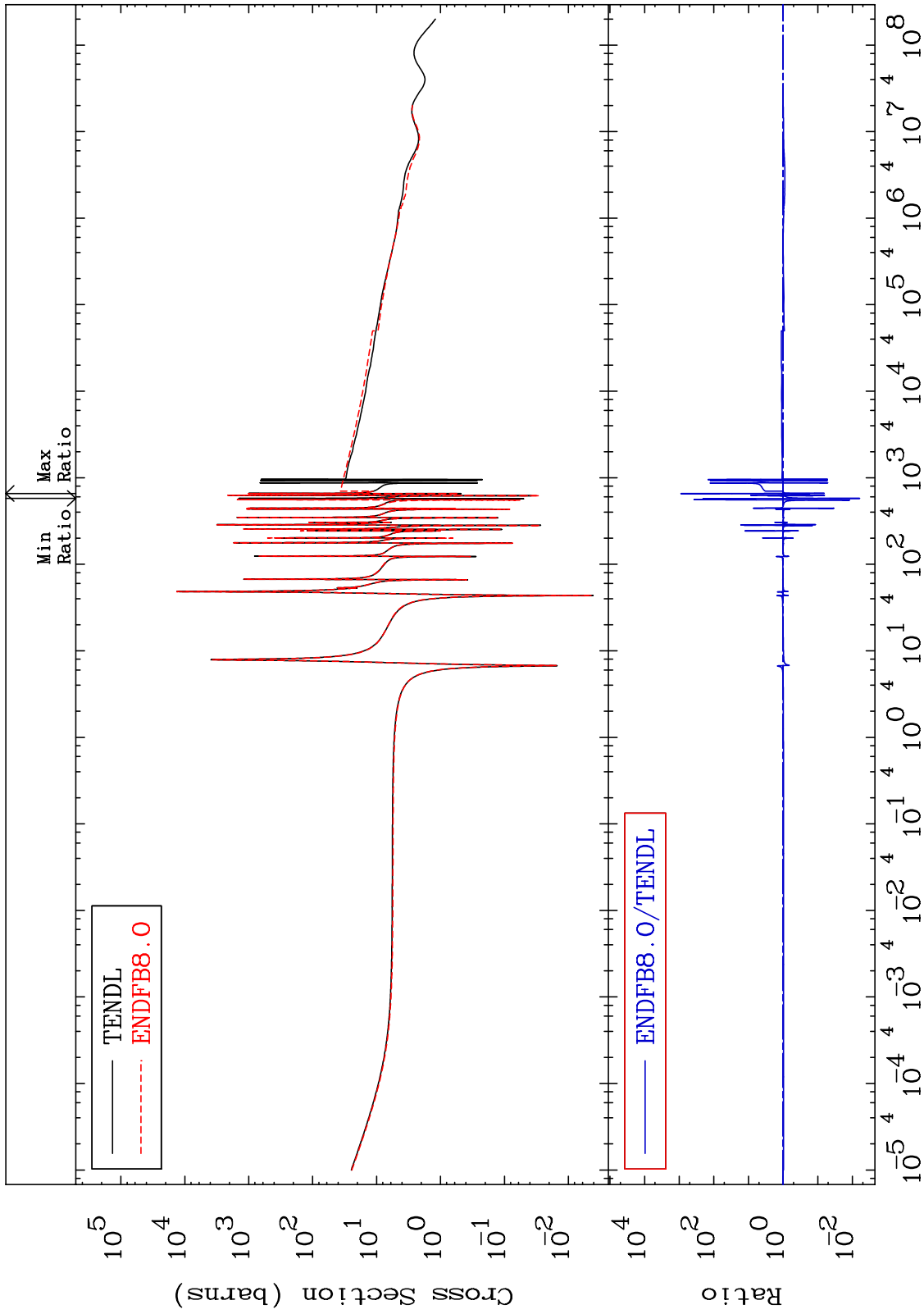
MAT 7231

Elastic

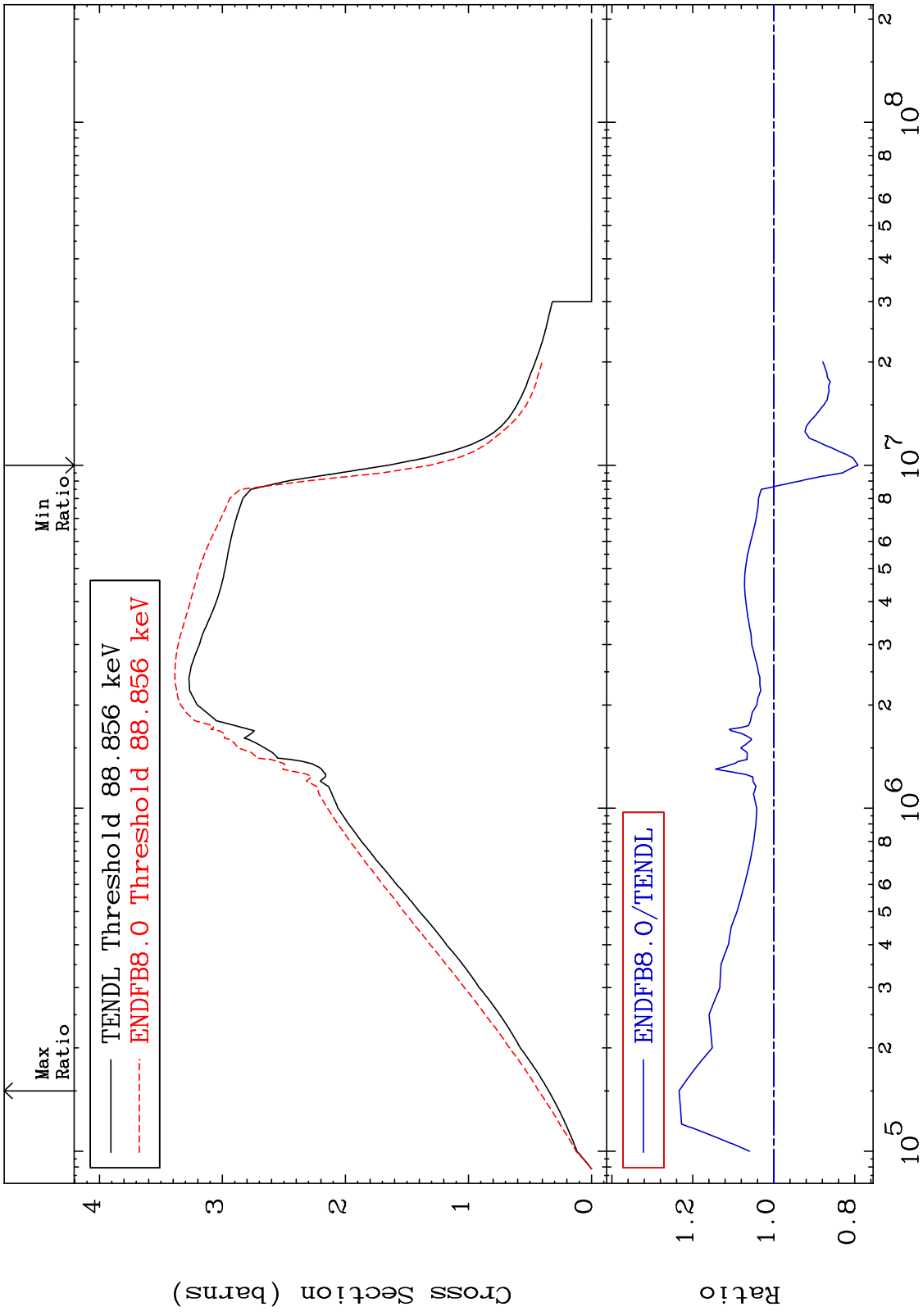
72-Hf-176

Cross Section

-99.38 To 9999. %

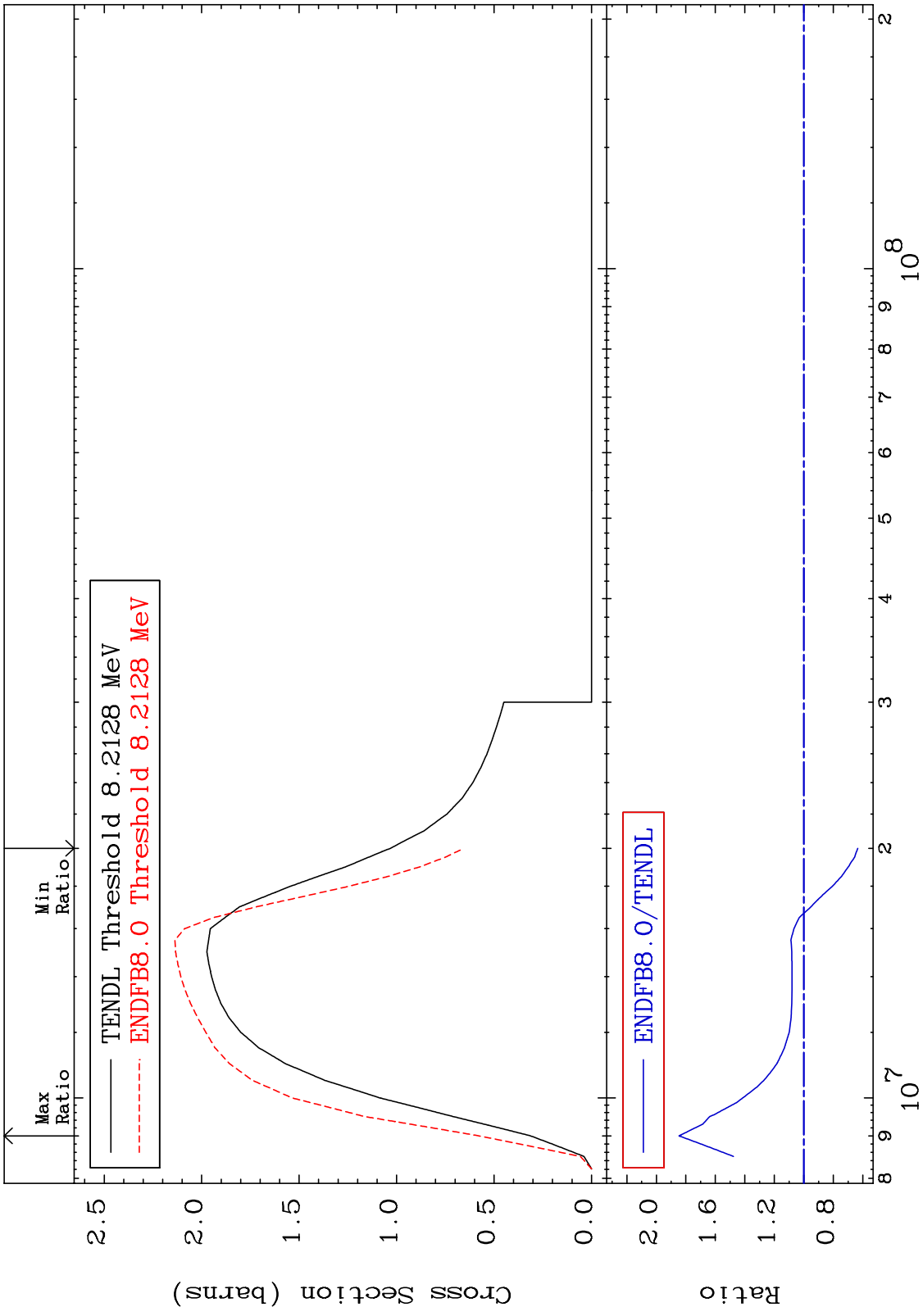


MAT 7231 Inelastic Cross Section 72-Hf-176 -20.77 To 23.39 %



3 Incident Energy (eV) 72-Hf-176

MAT 7231 (n,2n) 72-Hf-176  
Cross Section -36.60 To 84.62 %



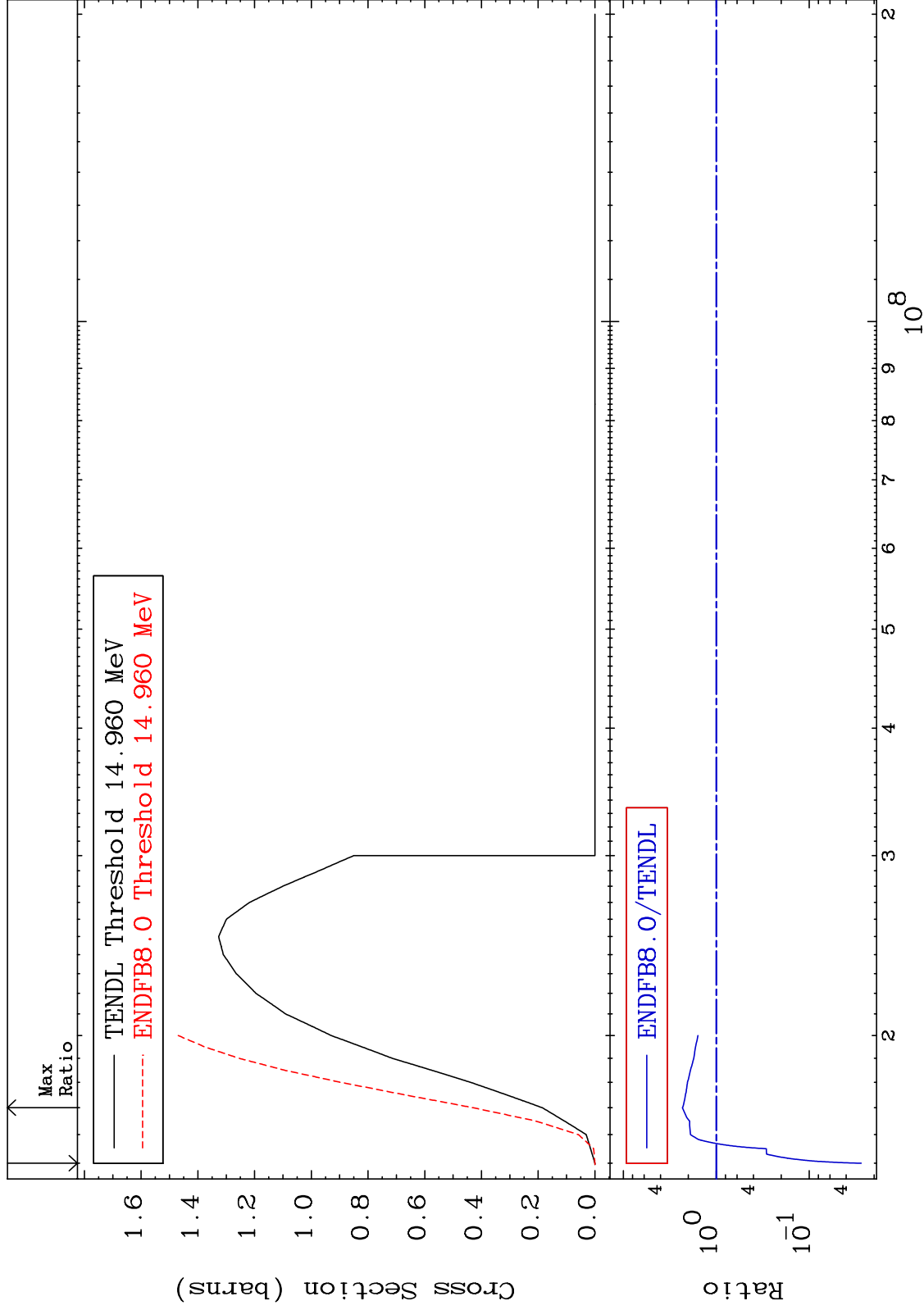
MAT 7231

(n,3n)

72-Hf-176

Cross Section

-97.24 To 131.7 %



5

Incident Energy (eV)

72-Hf-176

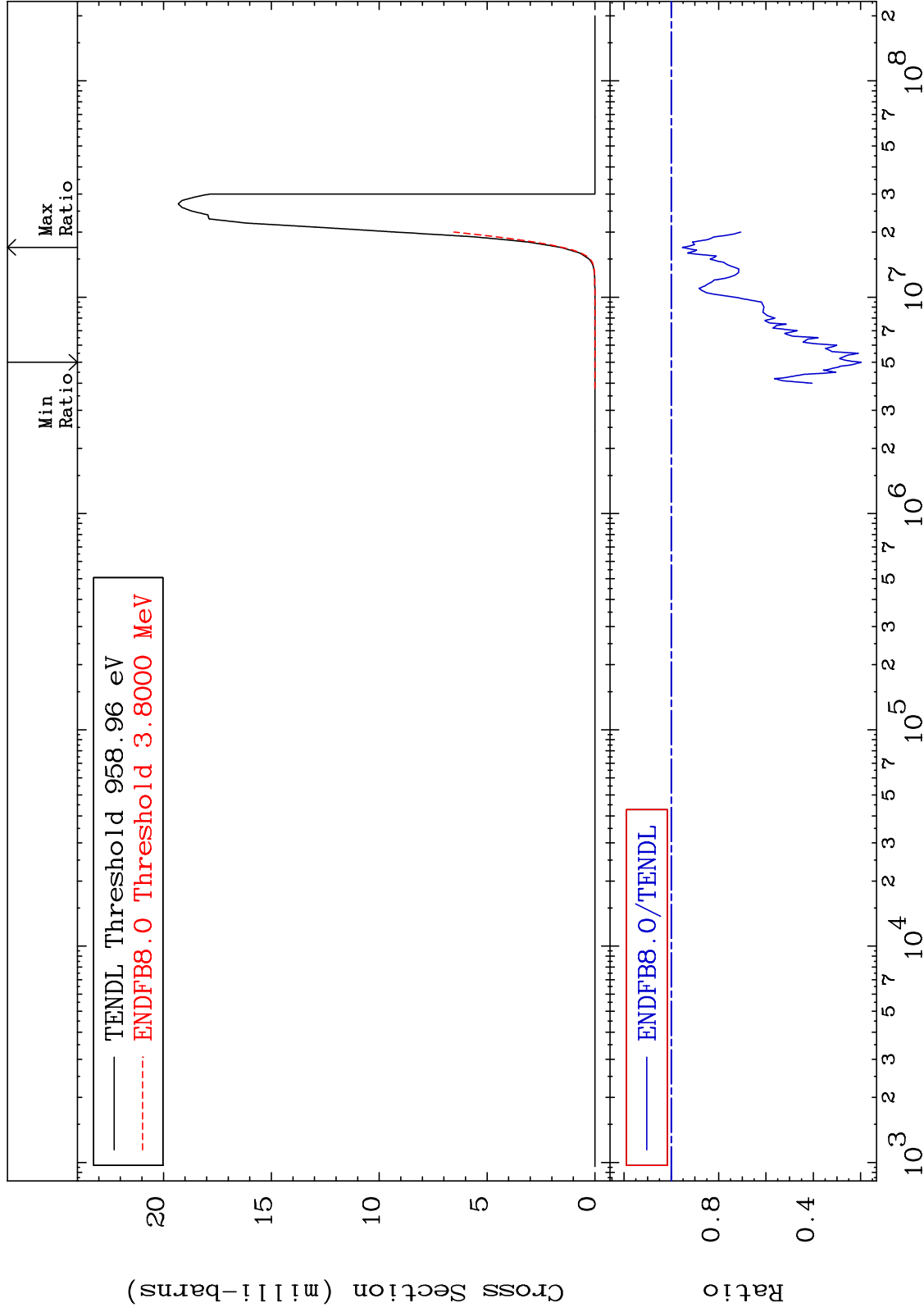
MAT 7231

(n, n')  $\alpha$

72-Hf-176

Cross Section

-80.27 To -4.727%

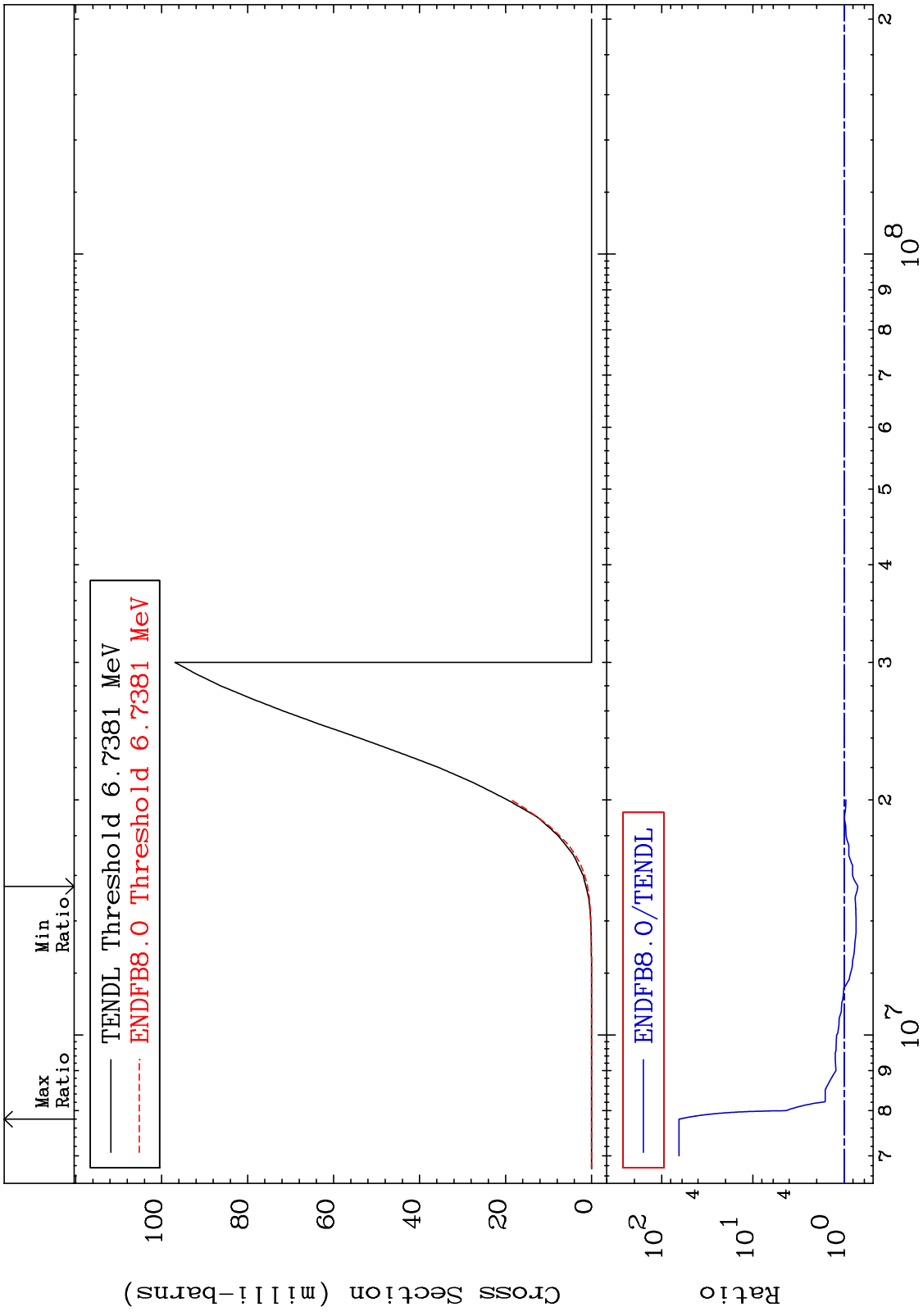


Incident Energy (eV)

72-Hf-176

6

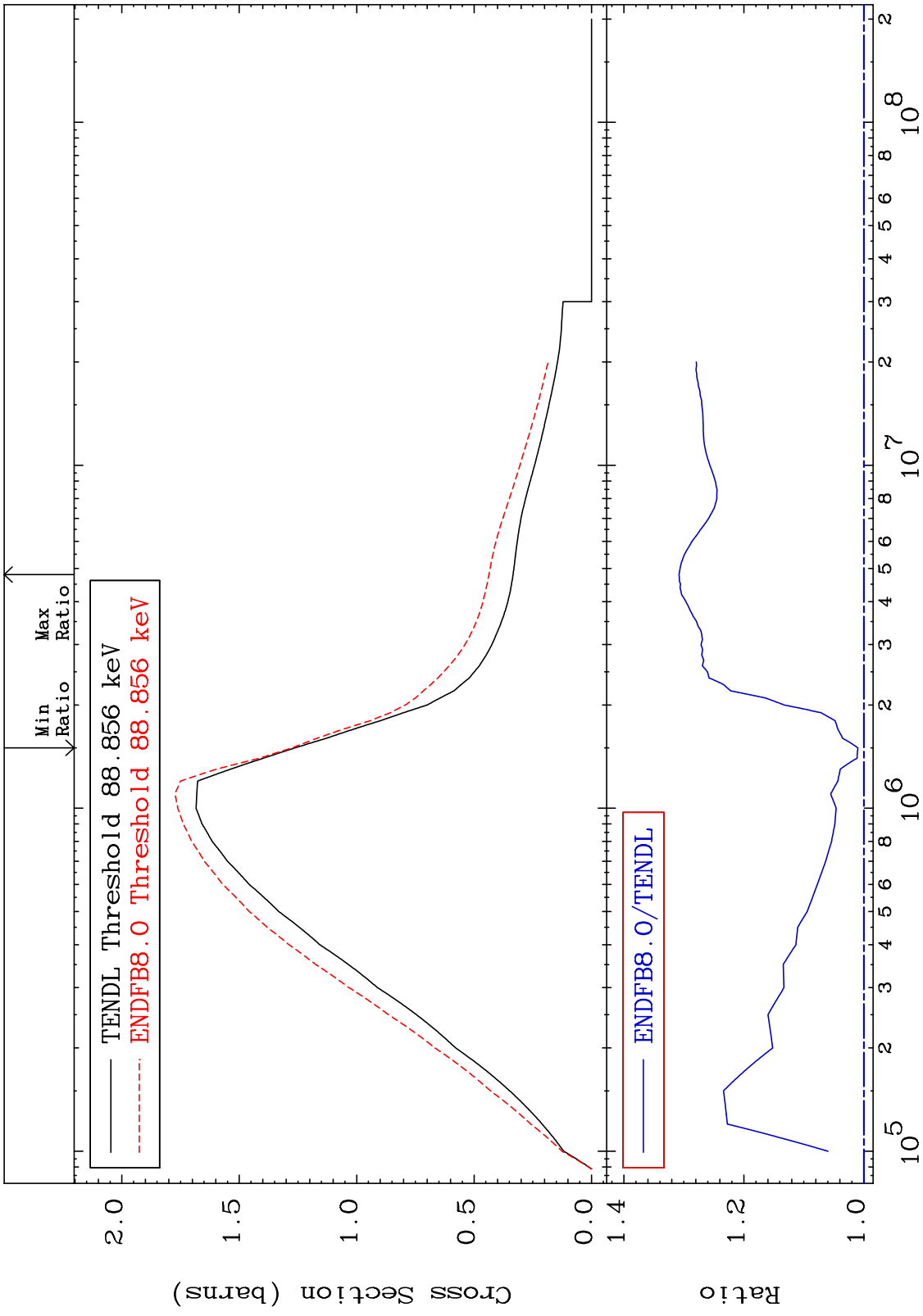
MAT 7231 (n,n') p 72-Hf-176  
 Cross Section -29.24 To 6359. %



7 72-Hf-176 Incident Energy (eV)

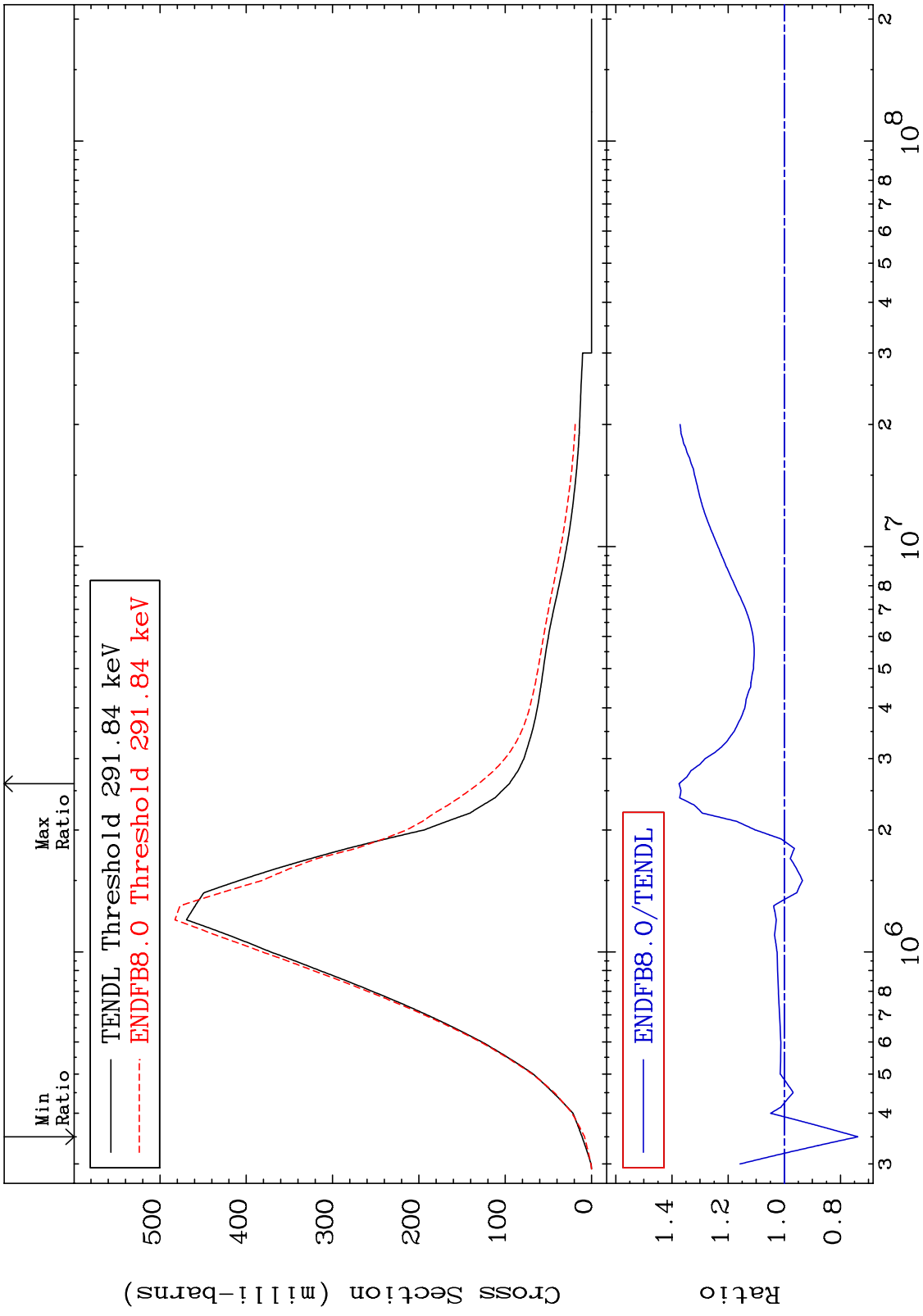


MAT 7231 MT= 51 (n,n') Level Cross Section 72-Hf-176 0.999 To 30.80 %



8 Incident Energy (eV) 72-Hf-176

MAT 7231 MT= 52 (n,n') Level Cross Section 72-Hf-176 -26.18 To 37.47 %

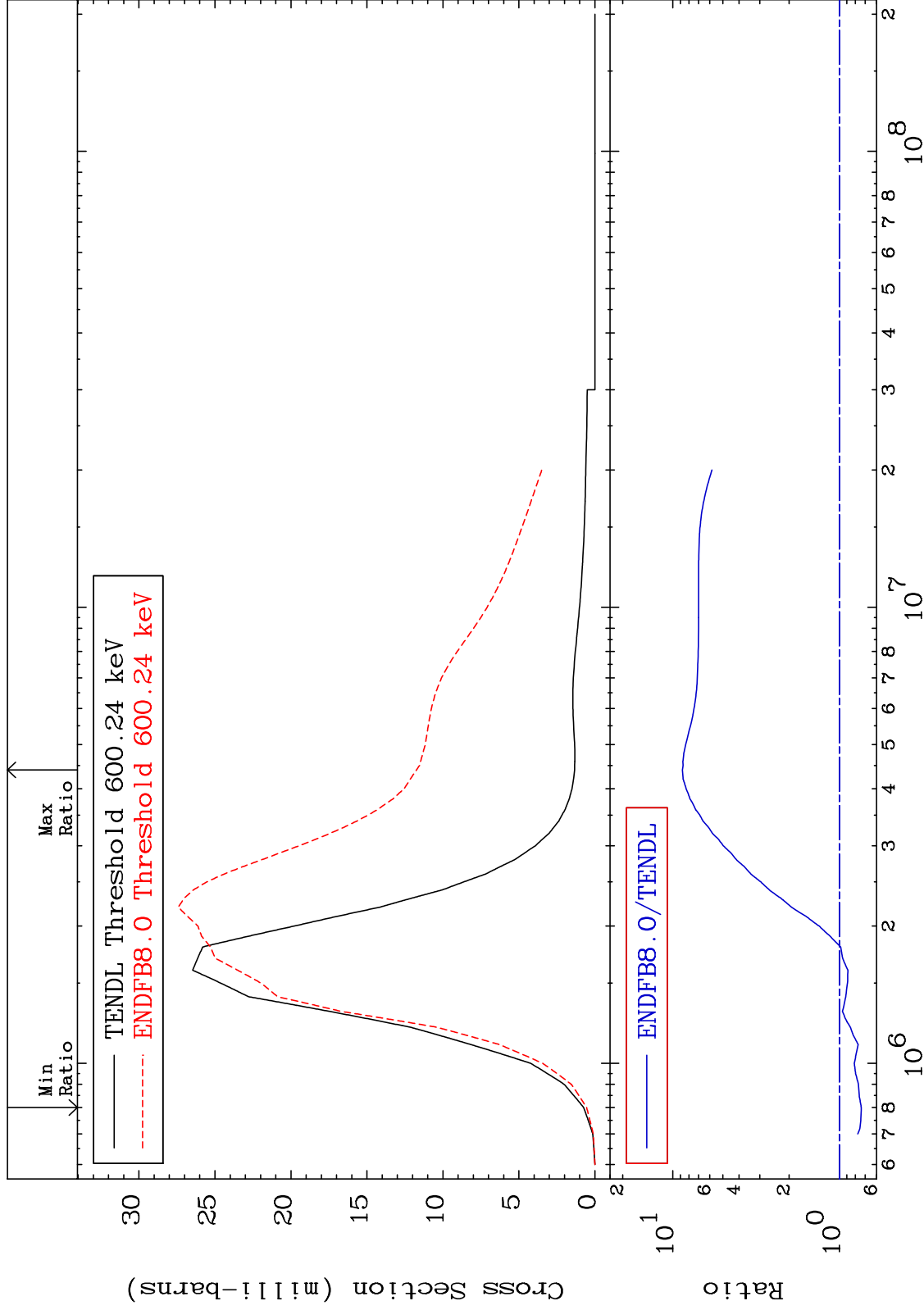


9 Incident Energy (eV) 72-Hf-176

MAT 7231

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

72-Hf-176  
-26.24 To 774.7 %



10

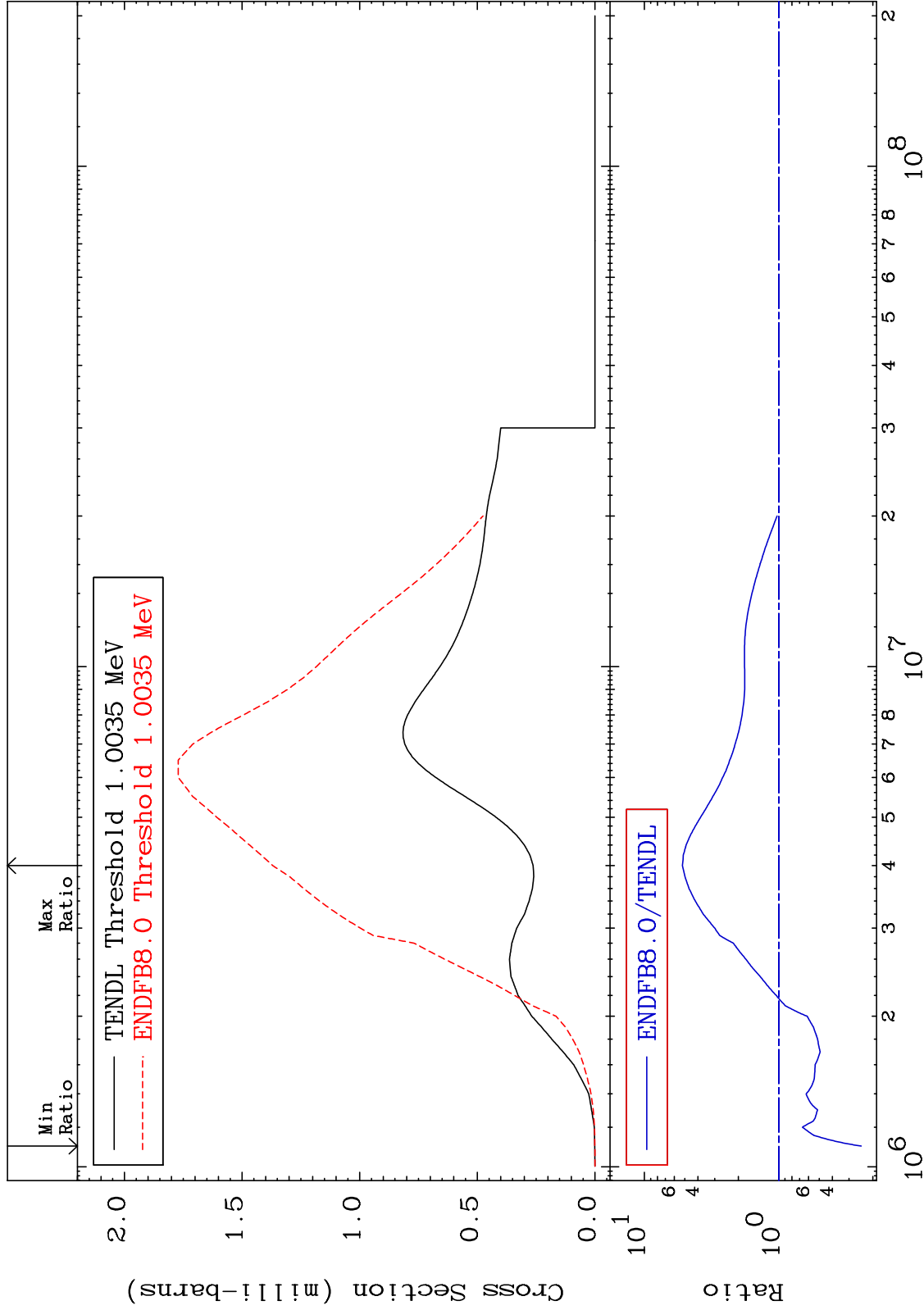
Incident Energy (eV)

72-Hf-176

MAT 7231

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

72-Hf-176  
-75.66 To 421.2 %

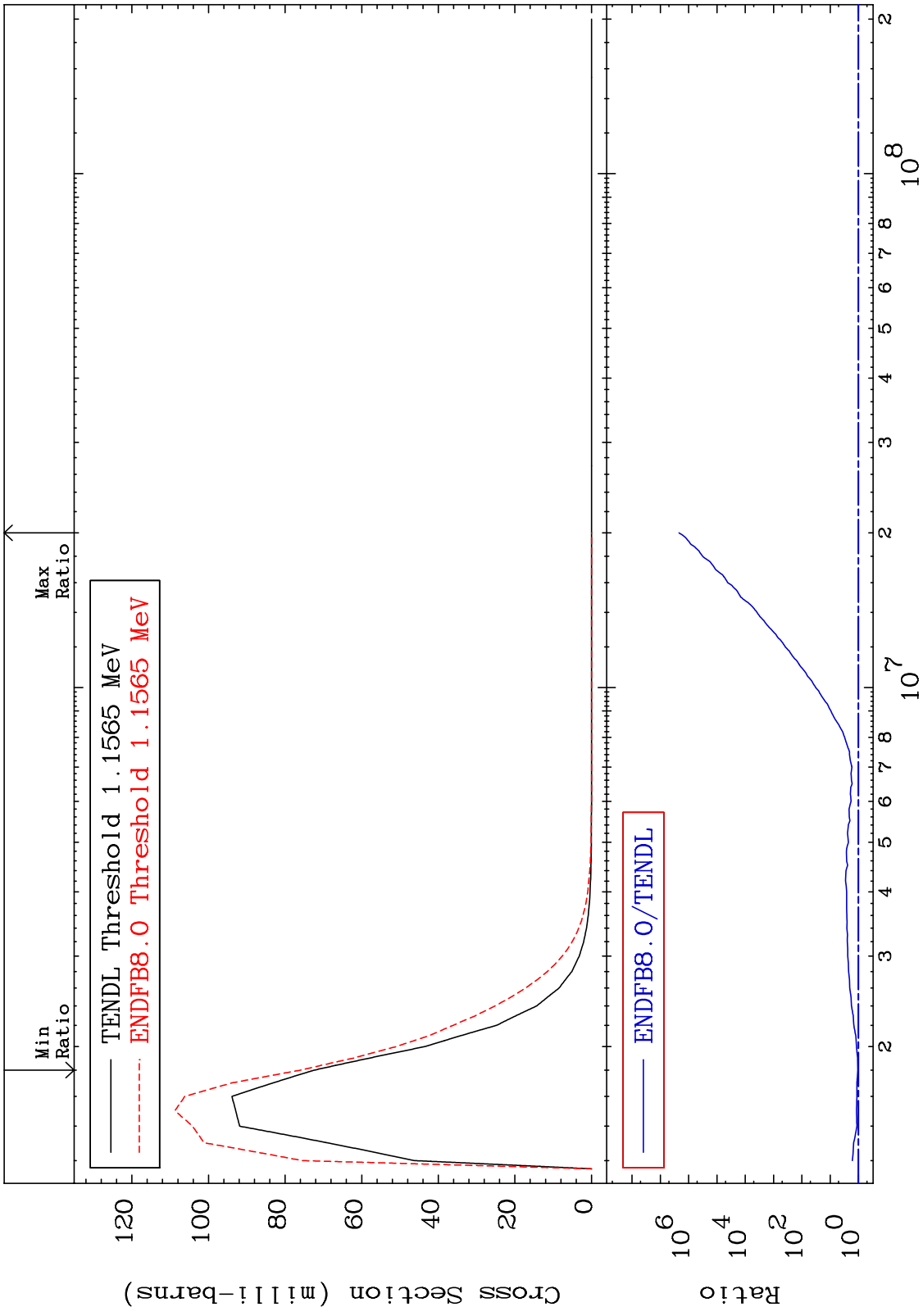


11

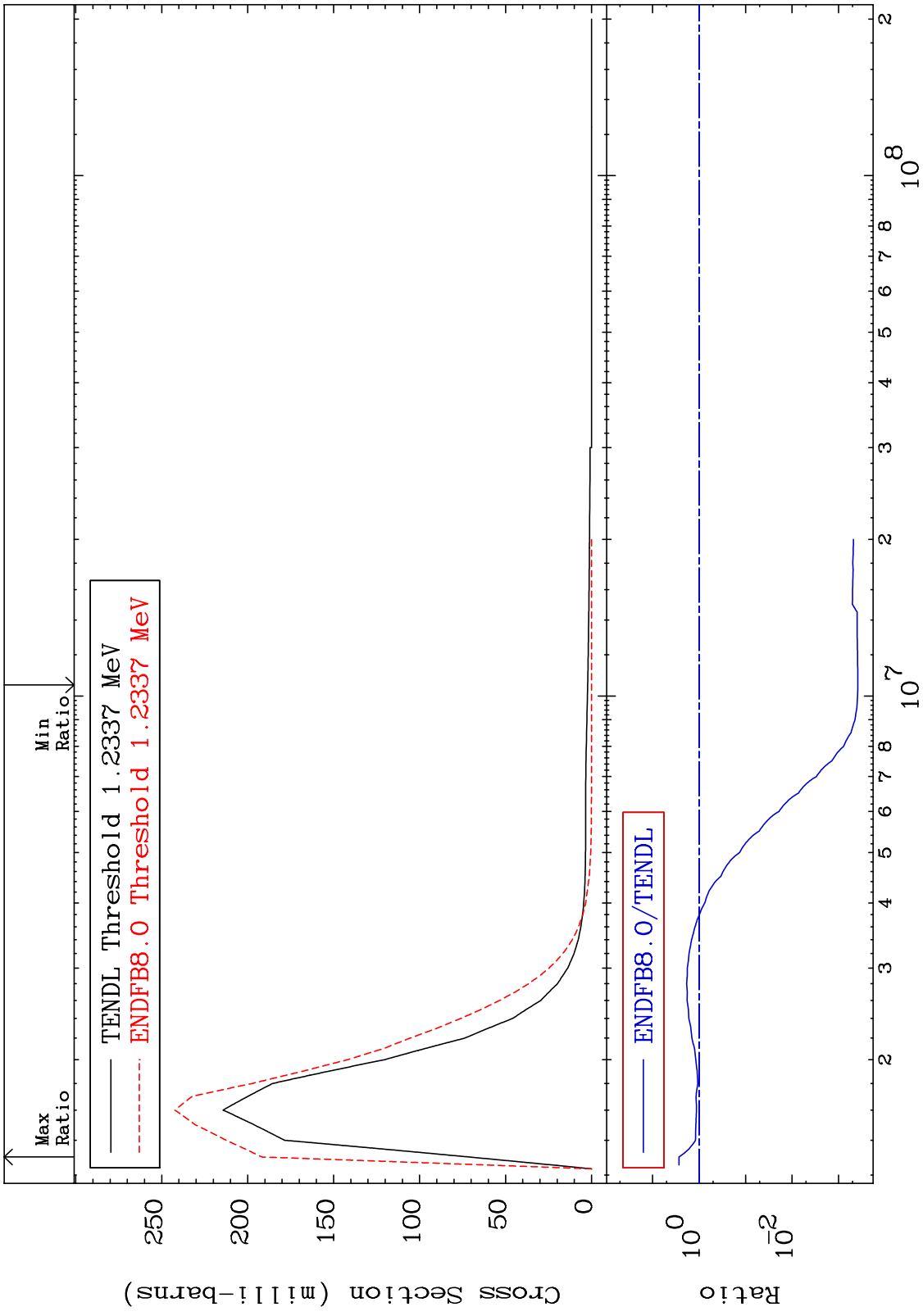
Incident Energy (eV)

72-Hf-176

MAT 7231 MT= 55 (n,n') Level Cross Section 72-Hf-176  
 4.985 To 9999. %



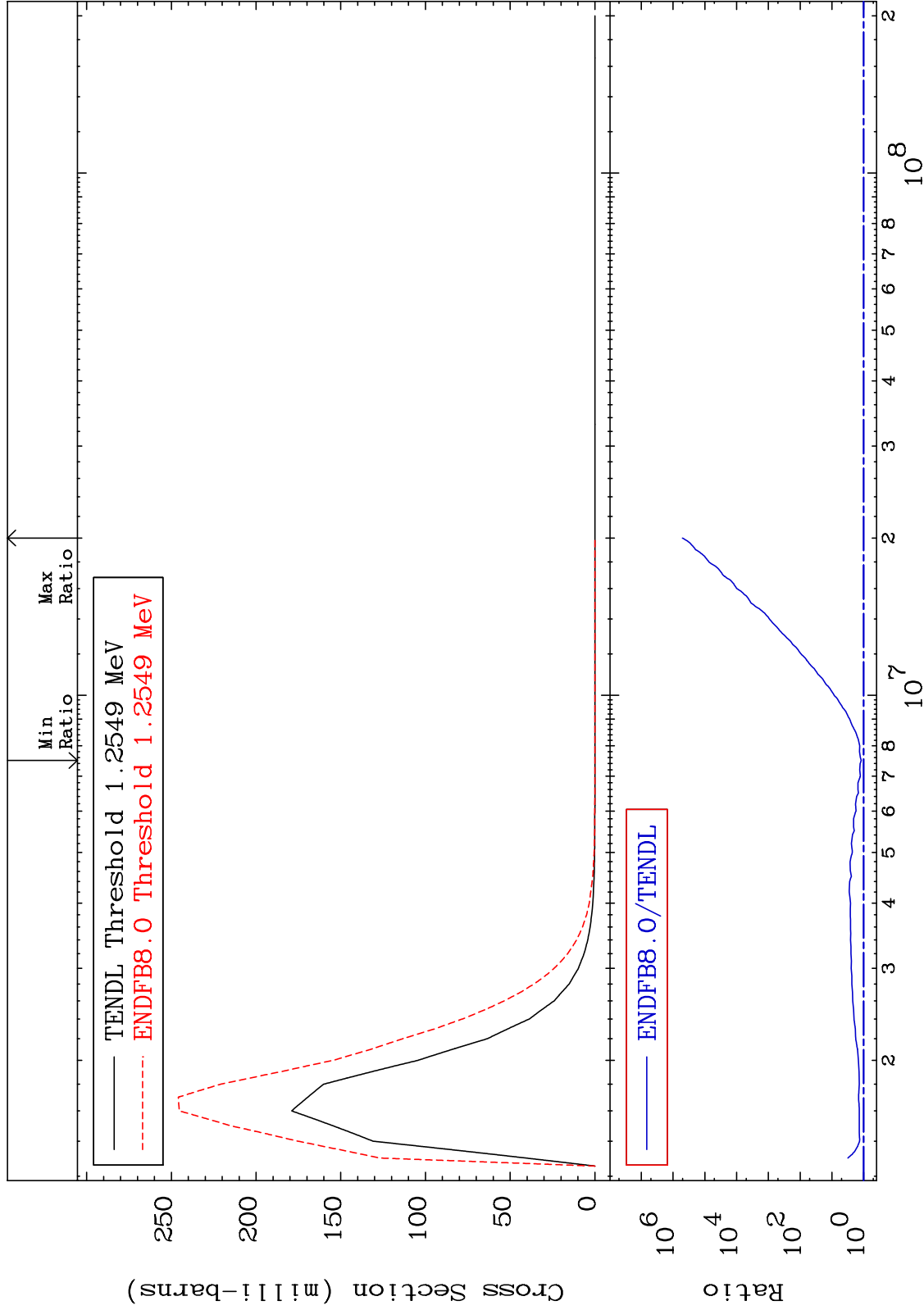
MAT 7231 MT= 56 (n,n') Level Cross Section 72-Hf-176 -99.96 To 169.2 %



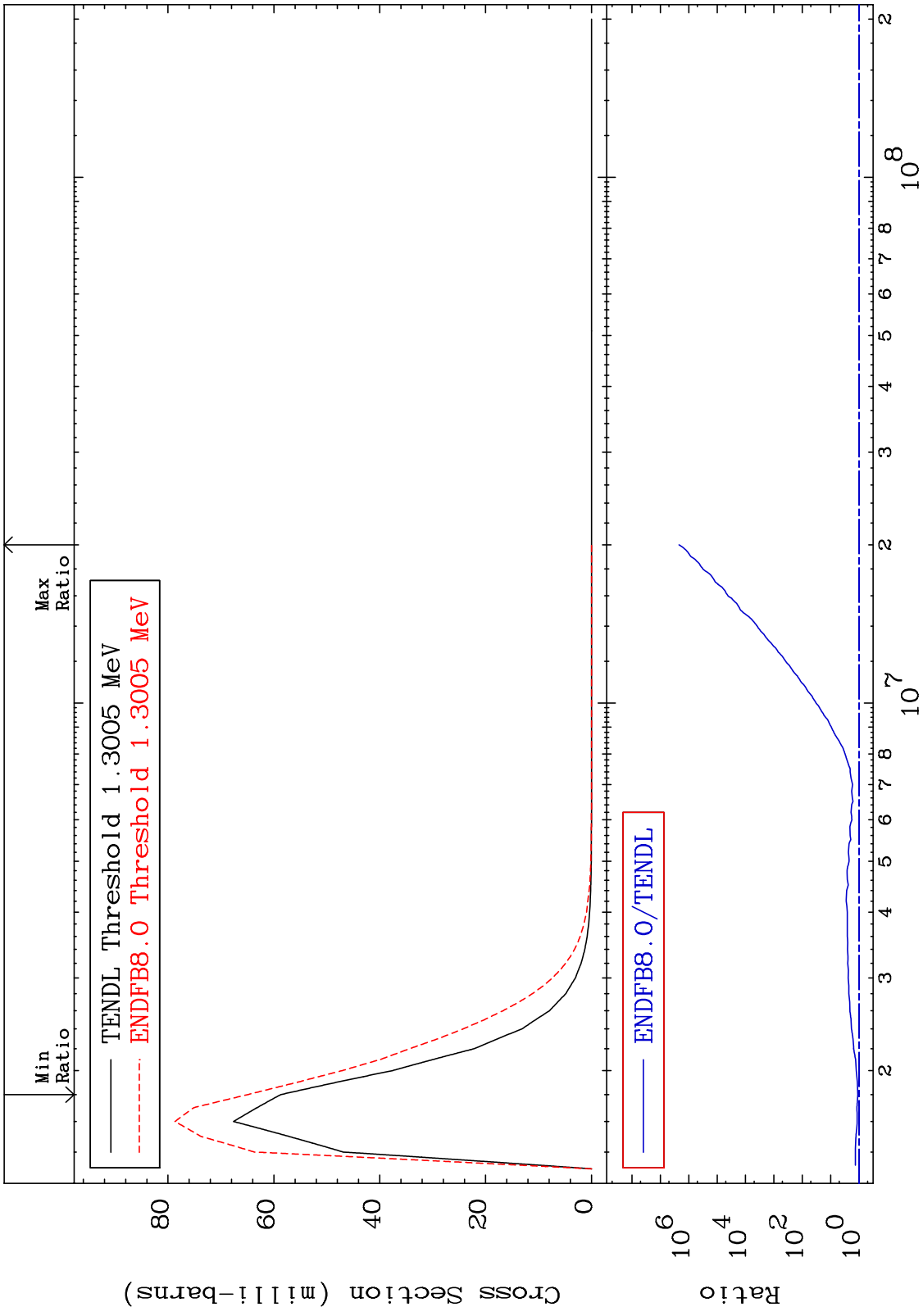
MAT 7231

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

72-Hf-176  
19.16 To 9999. %

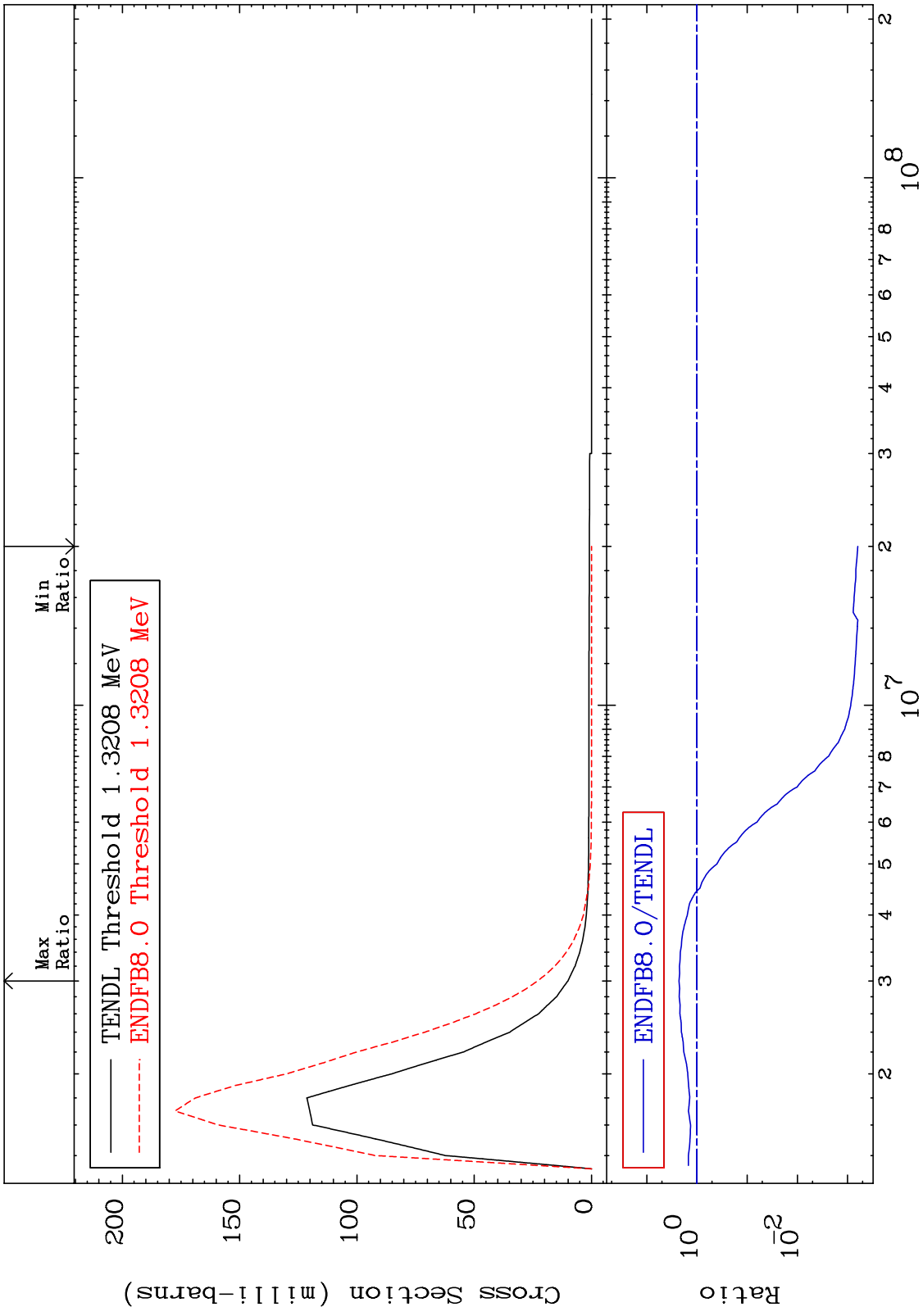


MAT 7231 MT= 58 (n,n') Level Cross Section 72-Hf-176 To 9999. %  
 10.61



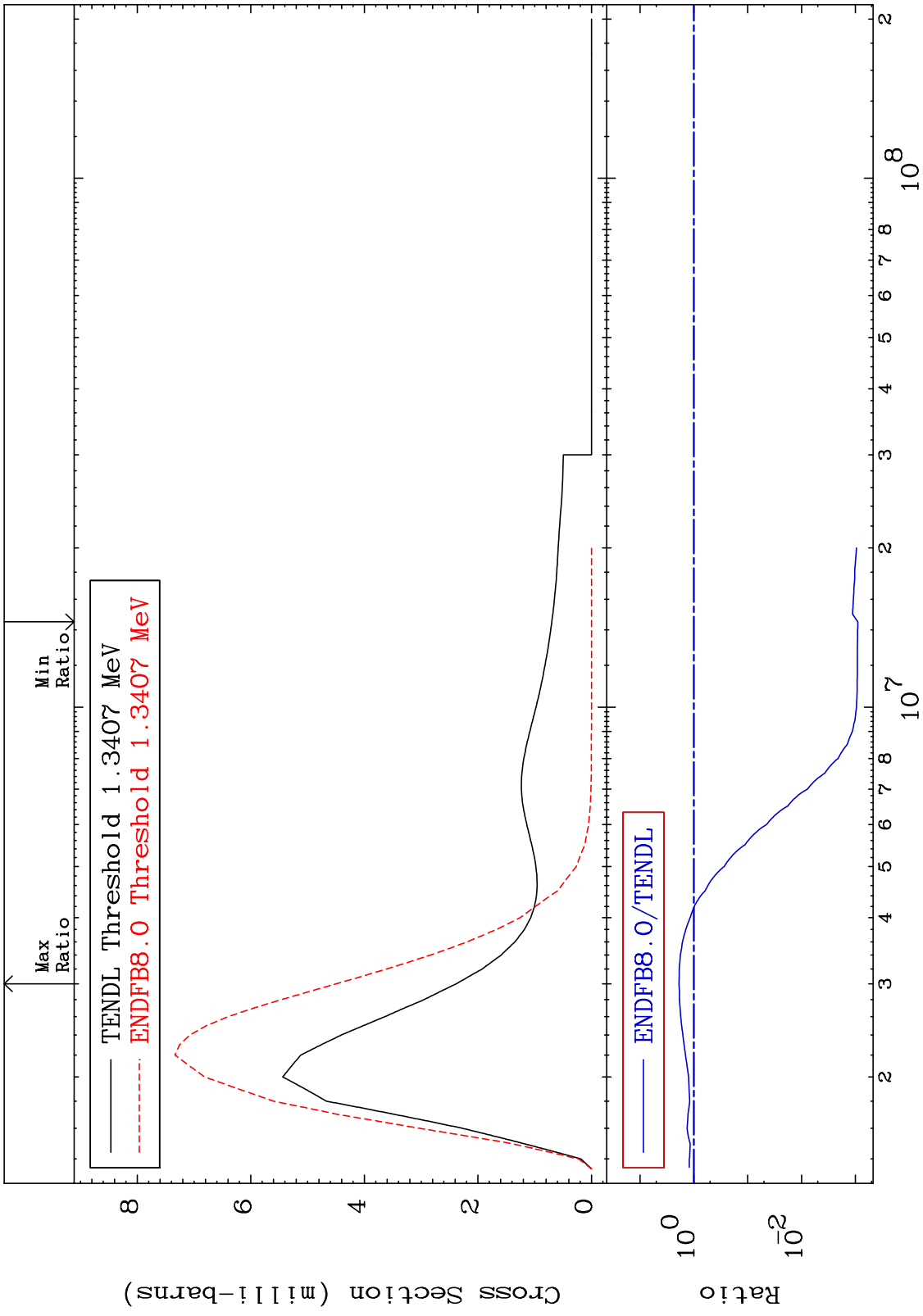


MAT 7231 MT= 59 (n,n') Level Cross Section 72-Hf-176 -99.94 To 127.8 %

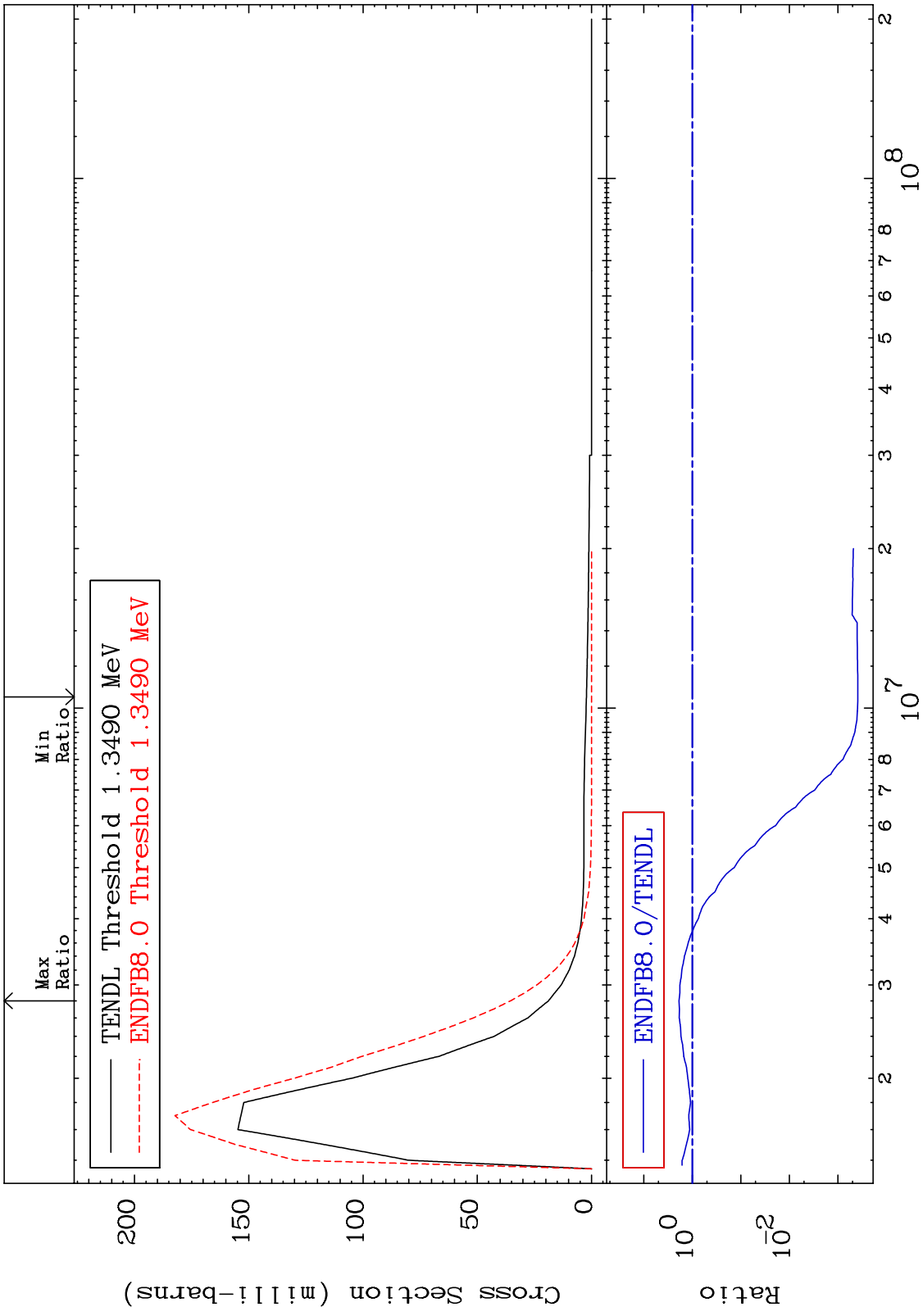


16 72-Hf-176

MAT 7231 MT= 60 (n,n') Level Cross Section 72-Hf-176  
 -99.91 To 88.80 %



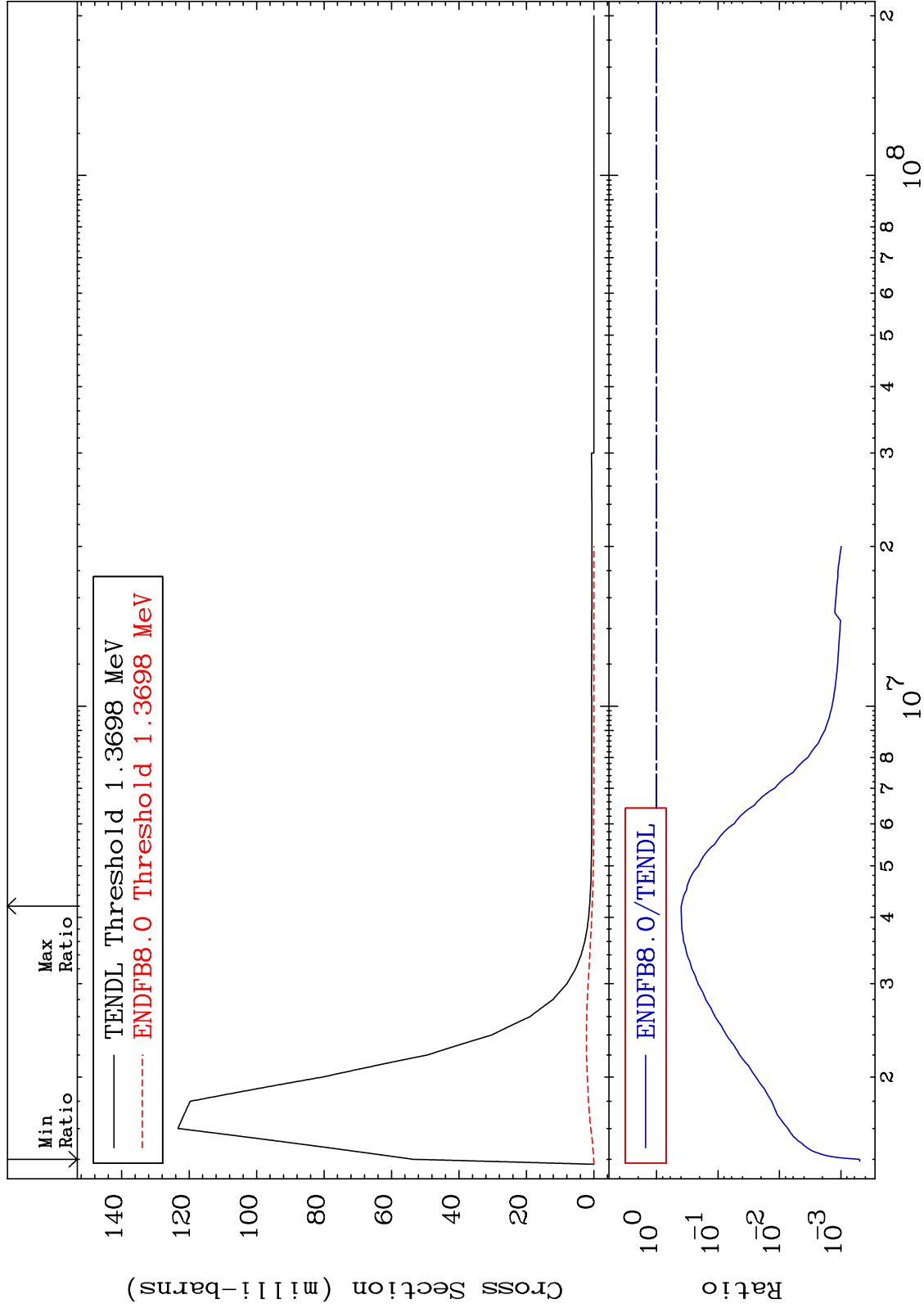
MAT 7231 MT= 61 (n,n') Level Cross Section 72-Hf-176  
 -99.96 To 88.05 %



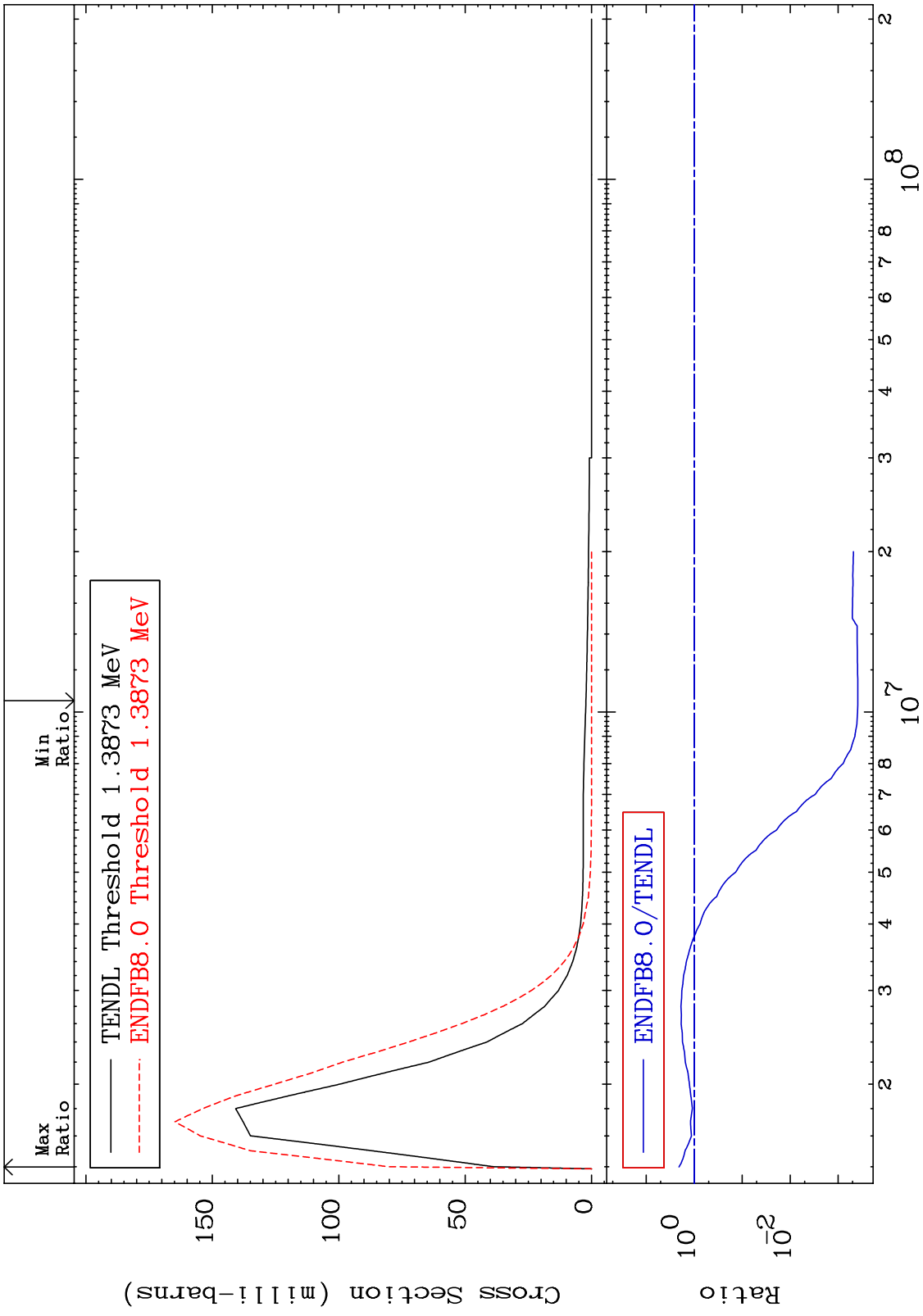
MAT 7231

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

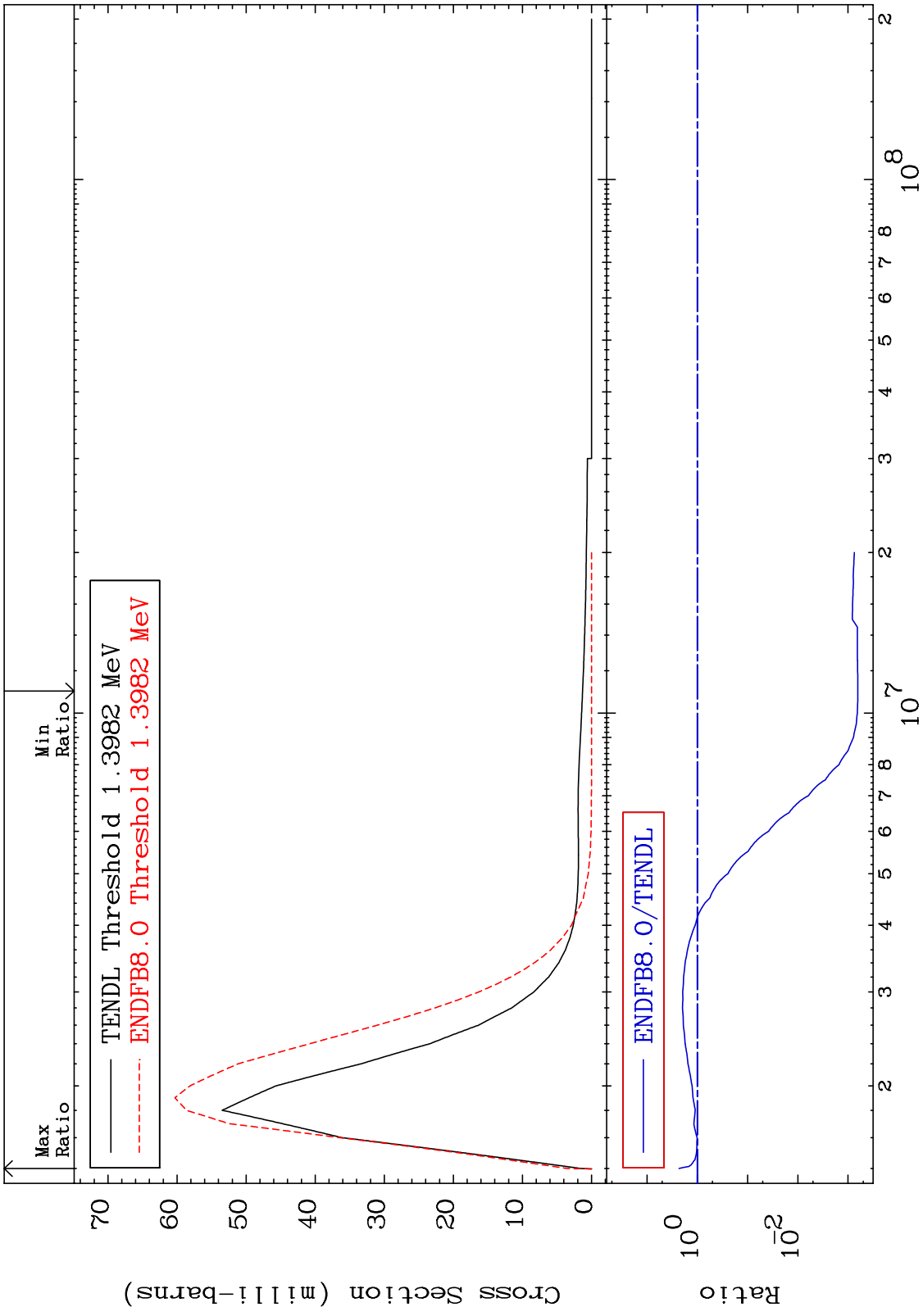
72-Hf-176  
-99.95 To -60.27%



MAT 7231 MT= 63 (n,n') Level Cross Section 72-Hf-176 -99.96 To 107.0 %



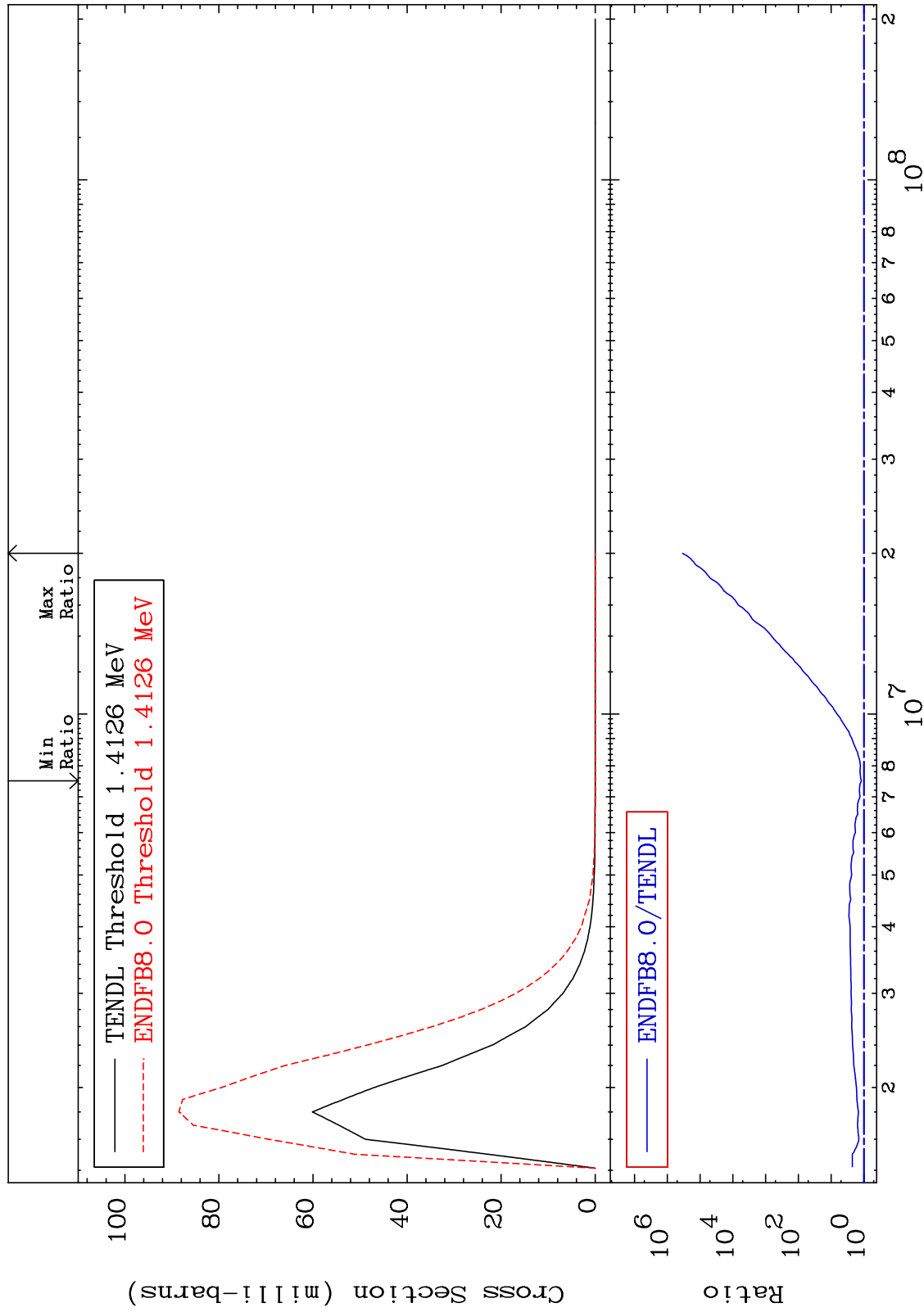
MAT 7231 MT= 64 (n,n') Level Cross Section 72-Hf-176 -99.94 To 130.3 %



MAT 7231

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

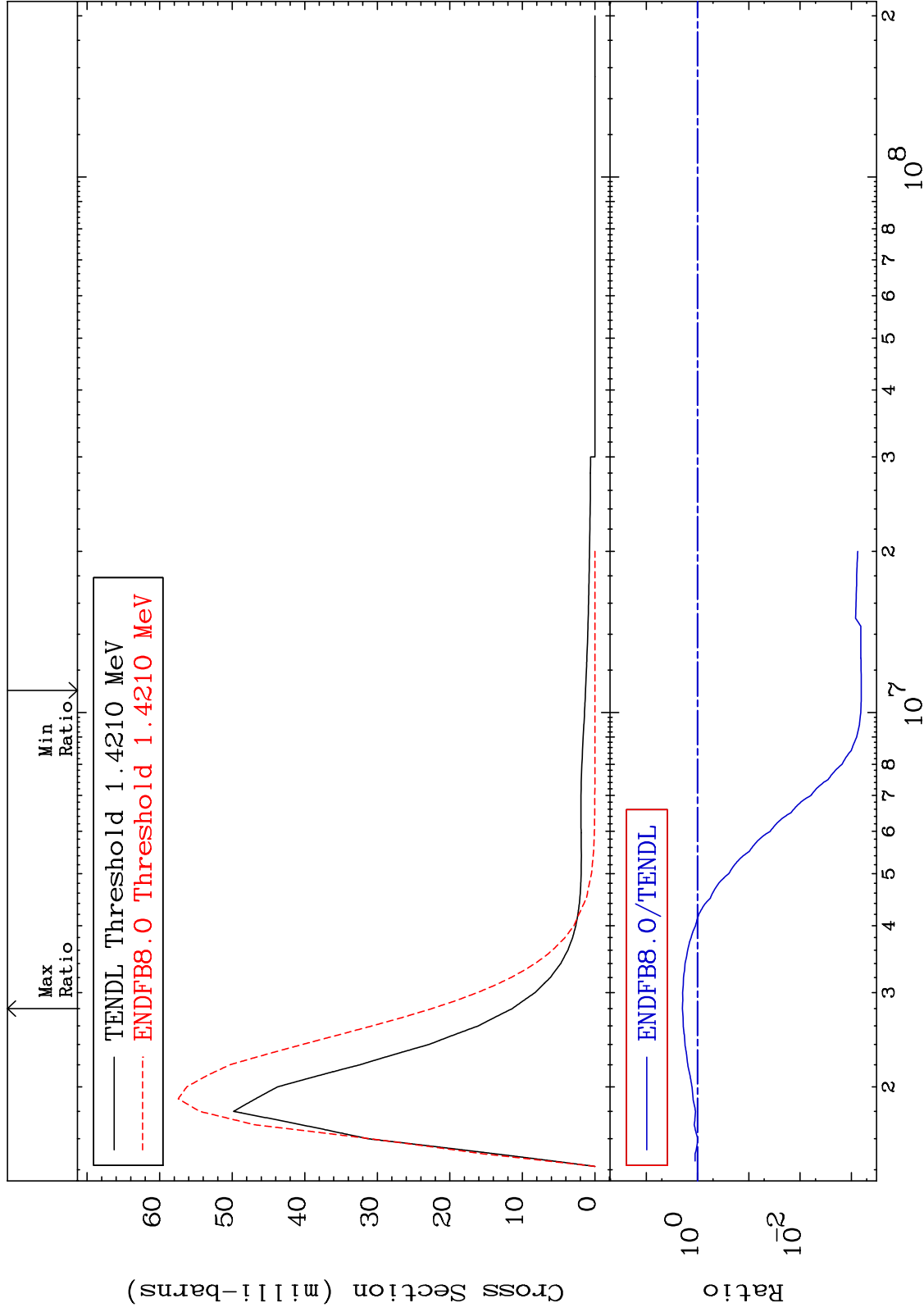
72-Hf-176  
19.54 To 9999. %



MAT 7231

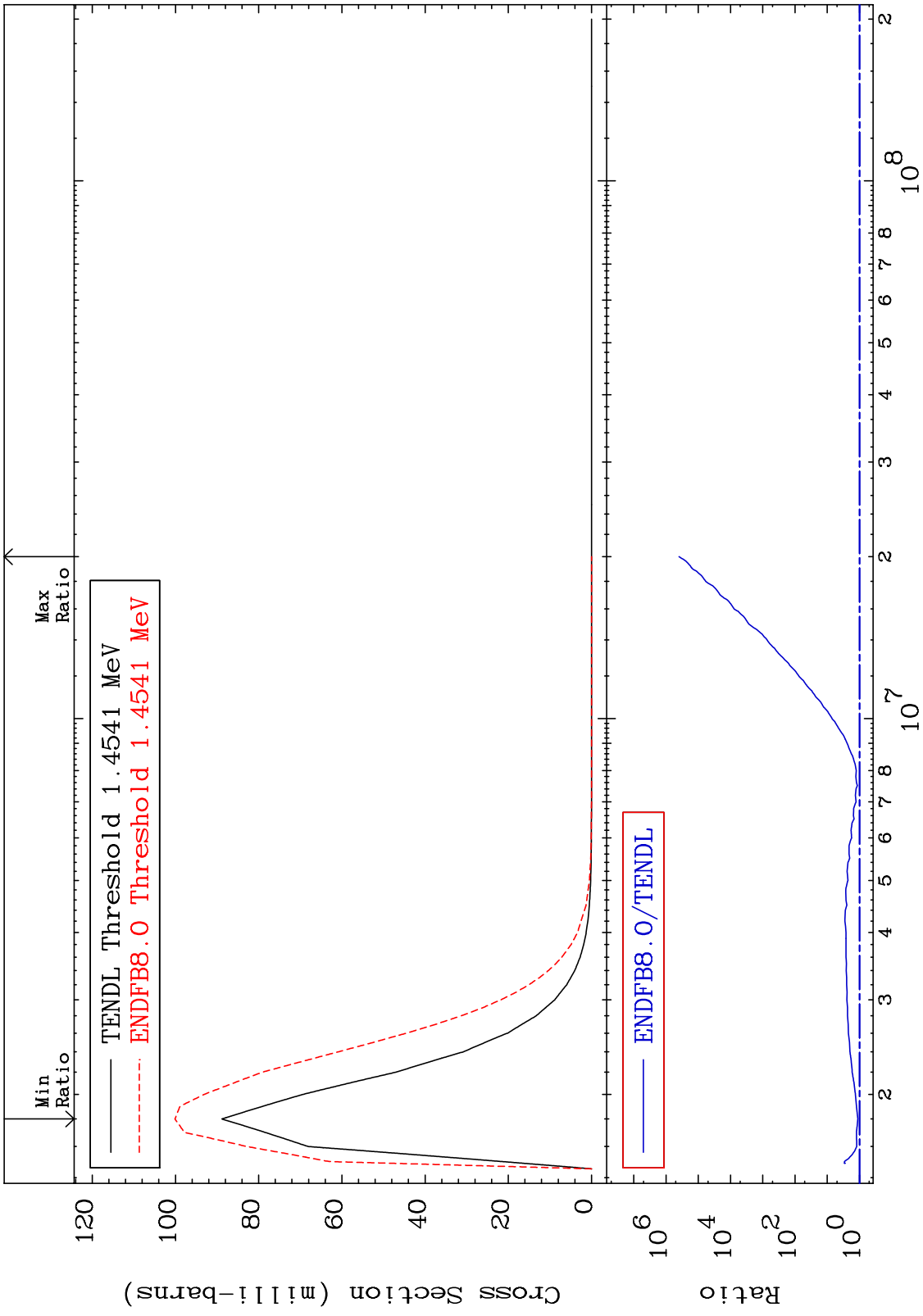
MT= 66 (n,n') Level  
Cross Section

72-Hf-176  
-99.94 To 97.19 %

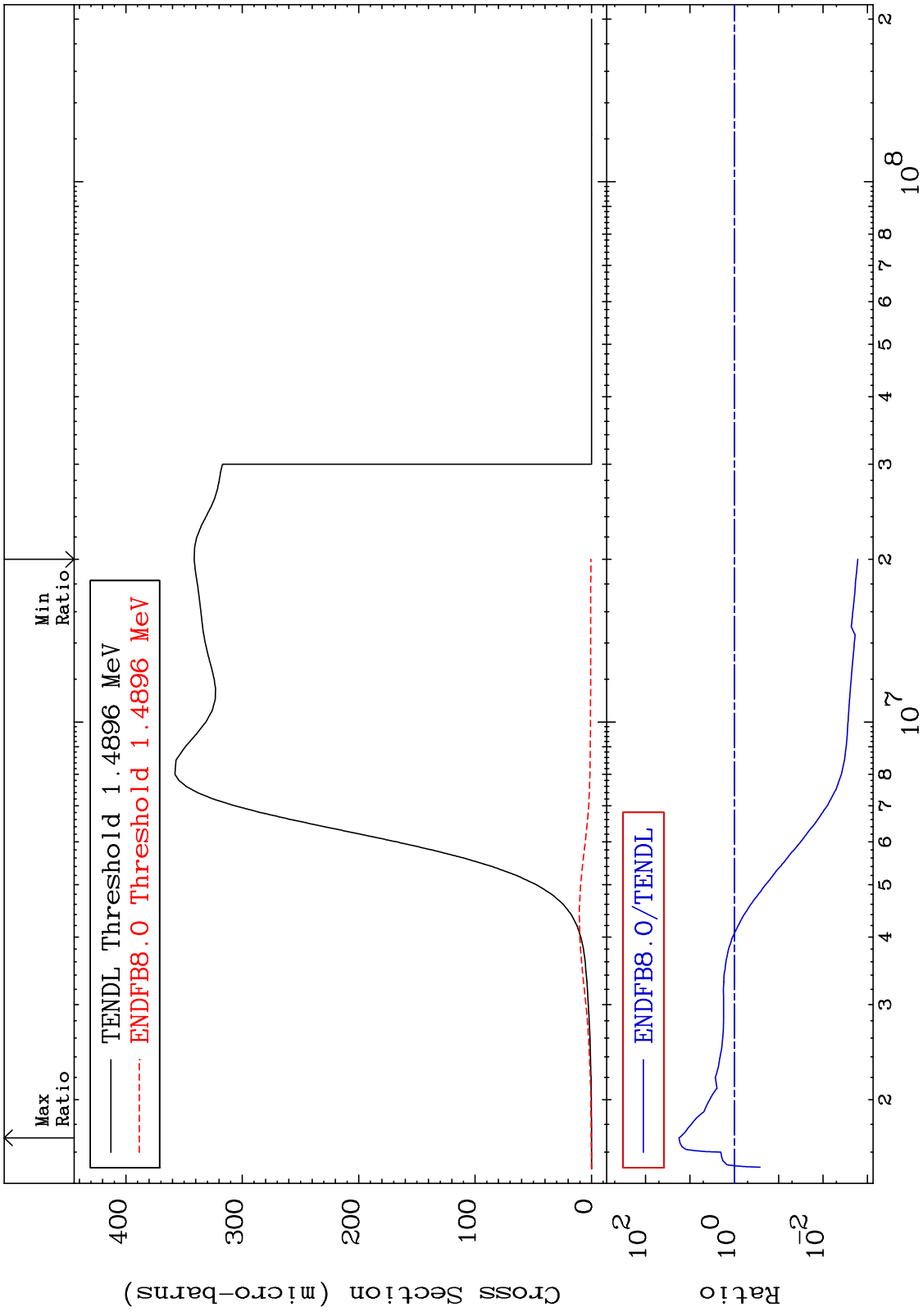




MAT 7231 MT= 67 (n,n') Level Cross Section 72-Hf-176 12.72 To 9999. %



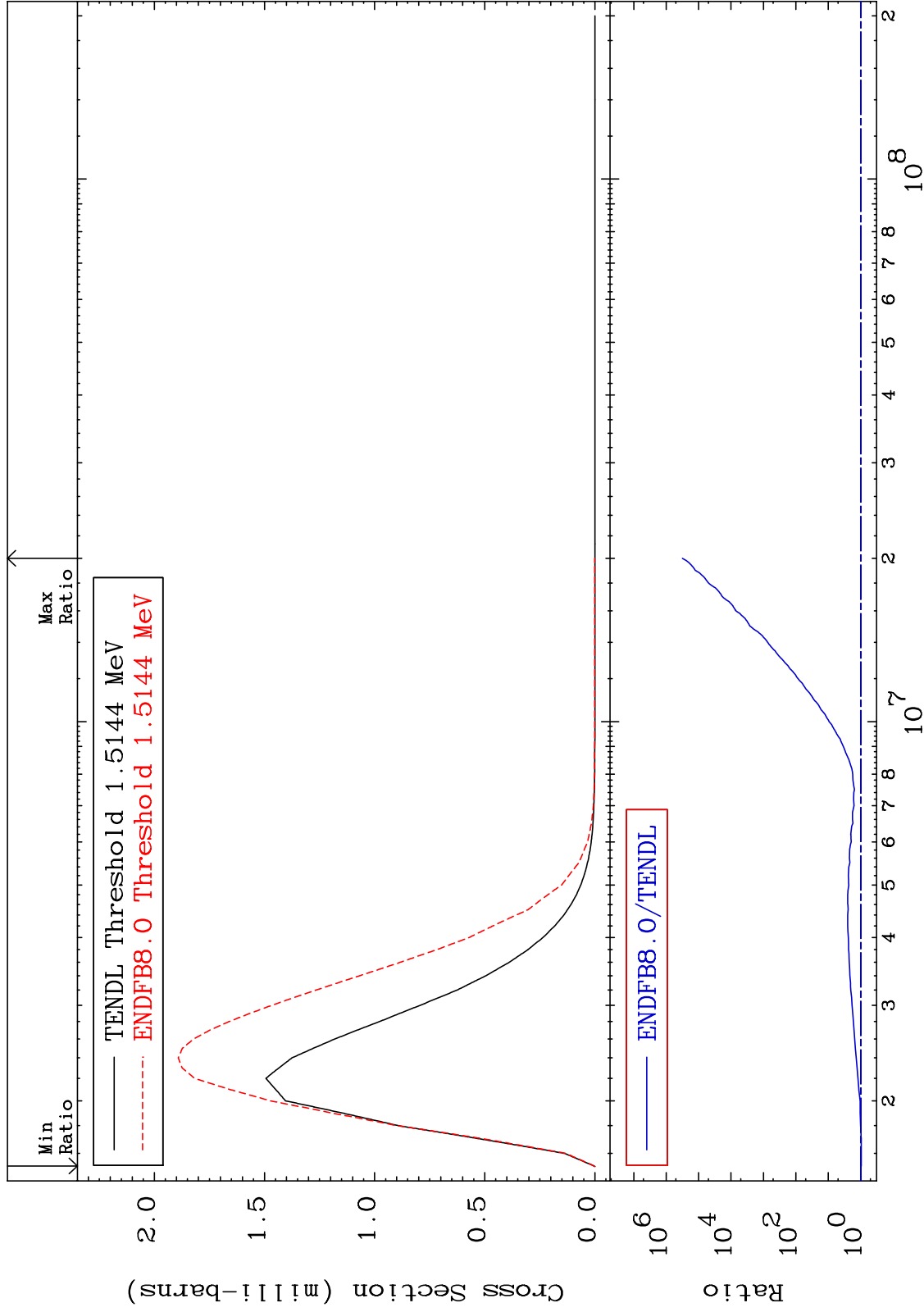
MAT 7231      MT= 68 (n,n') Level Cross Section      72-Hf-176  
 -99.84 To 1663. %



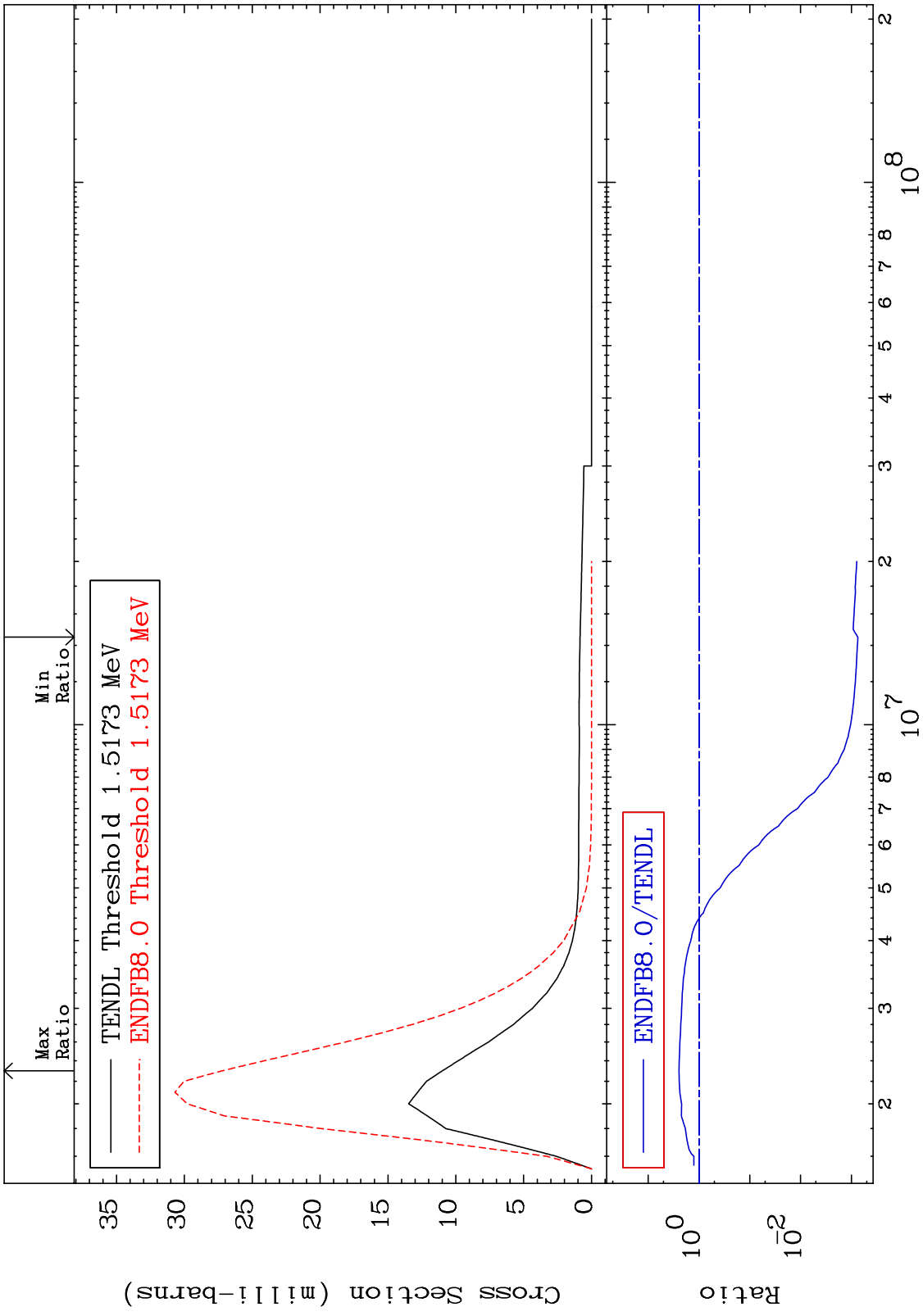
MAT 7231

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

72-Hf-176  
-3.733 To 9999. %

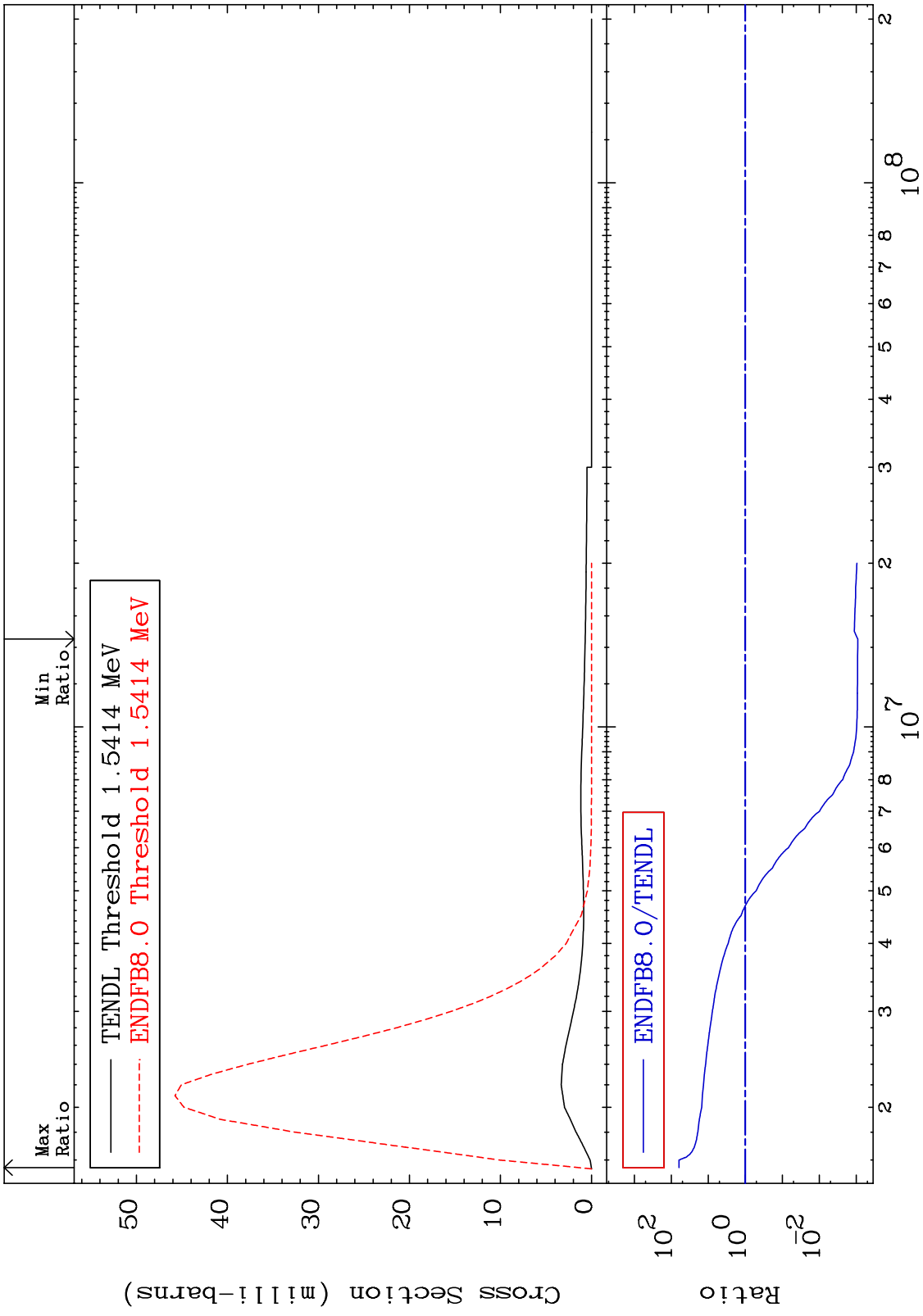


MAT 7231 MT= 70 (n,n') Level Cross Section 72-Hf-176  
 -99.93 To 147.7 %



27 72-Hf-176 Incident Energy (eV)

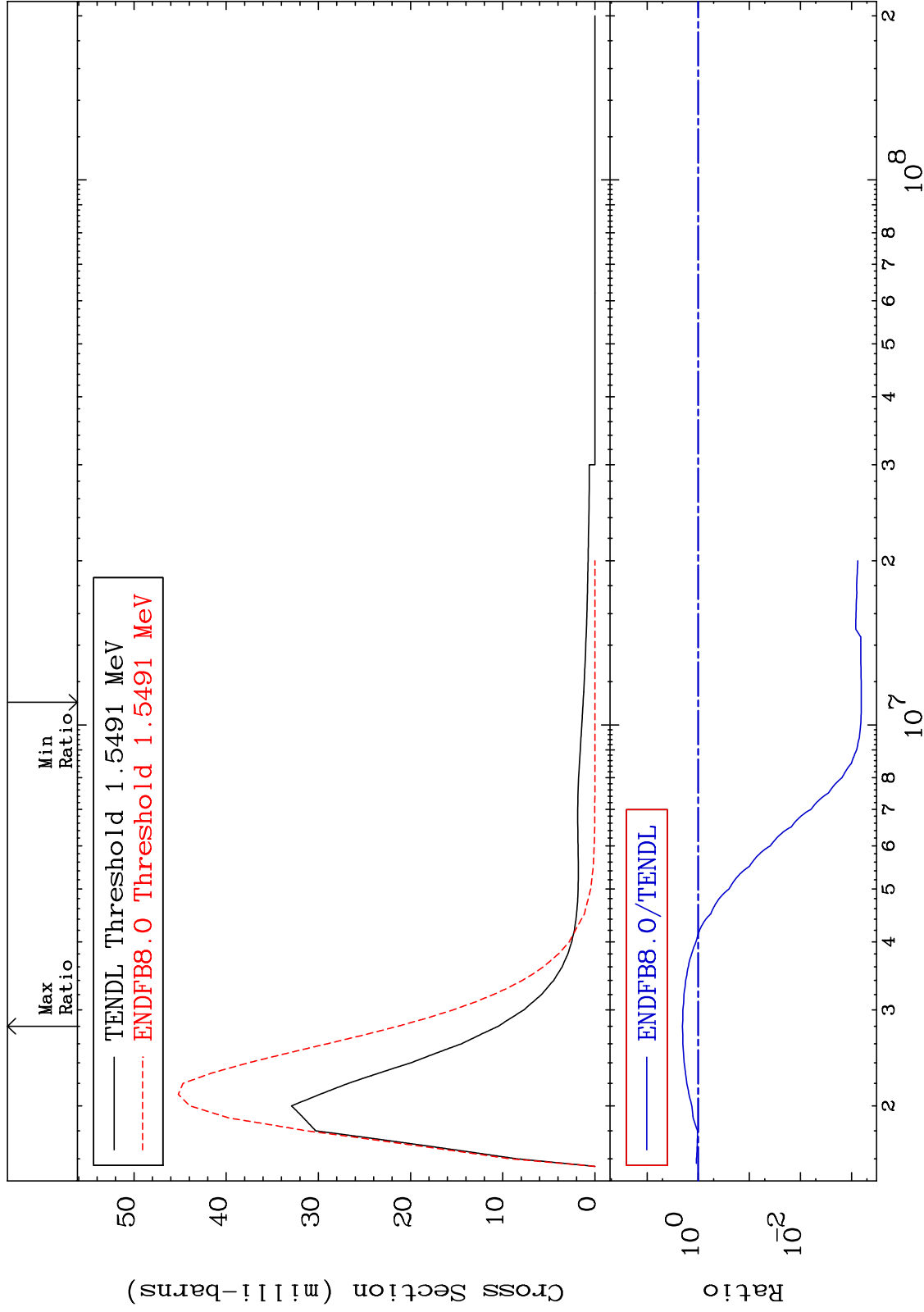
MAT 7231 MT= 71 (n,n') Level Cross Section 72-Hf-176 -99.91 To 6093. %



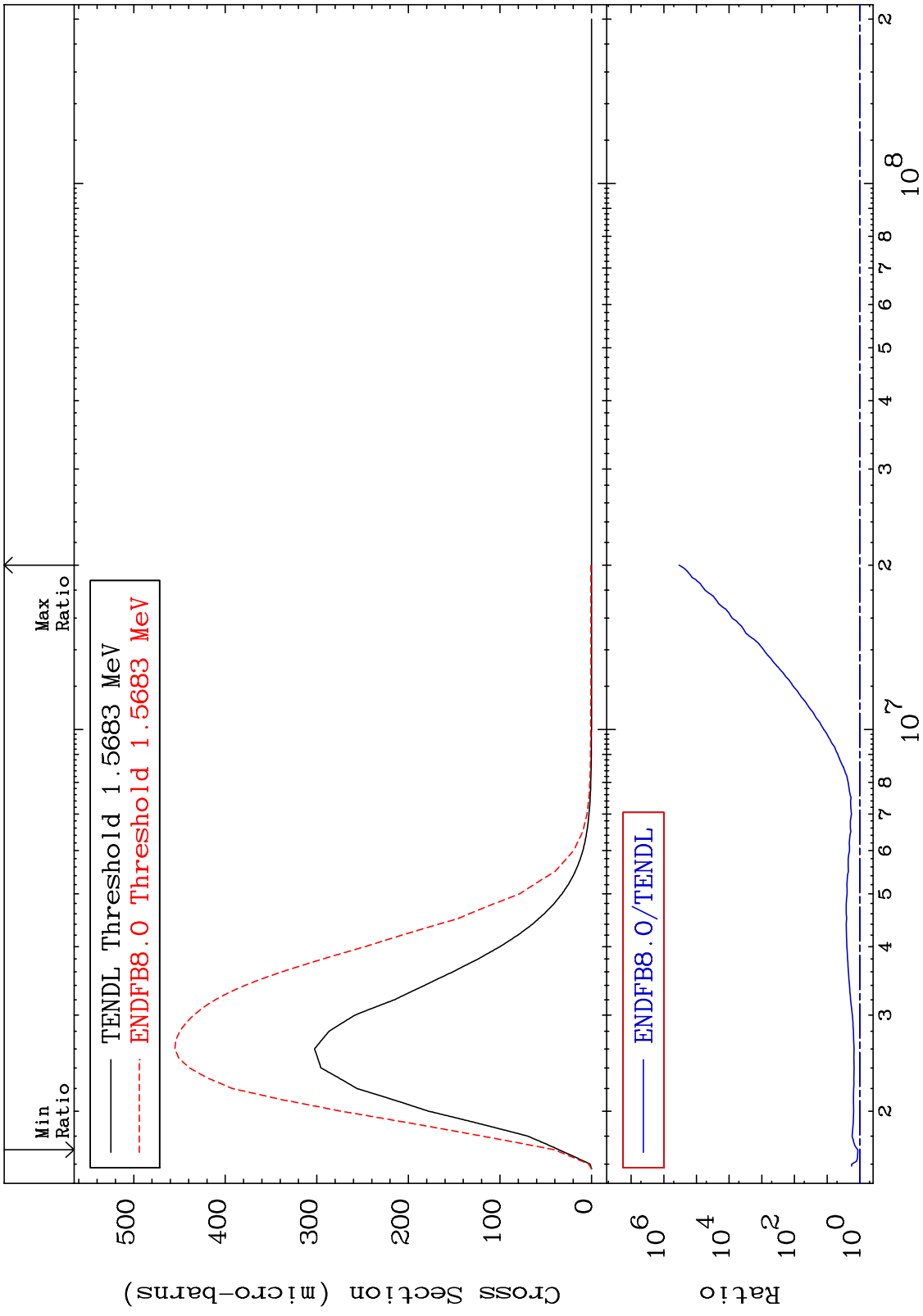
MAT 7231

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

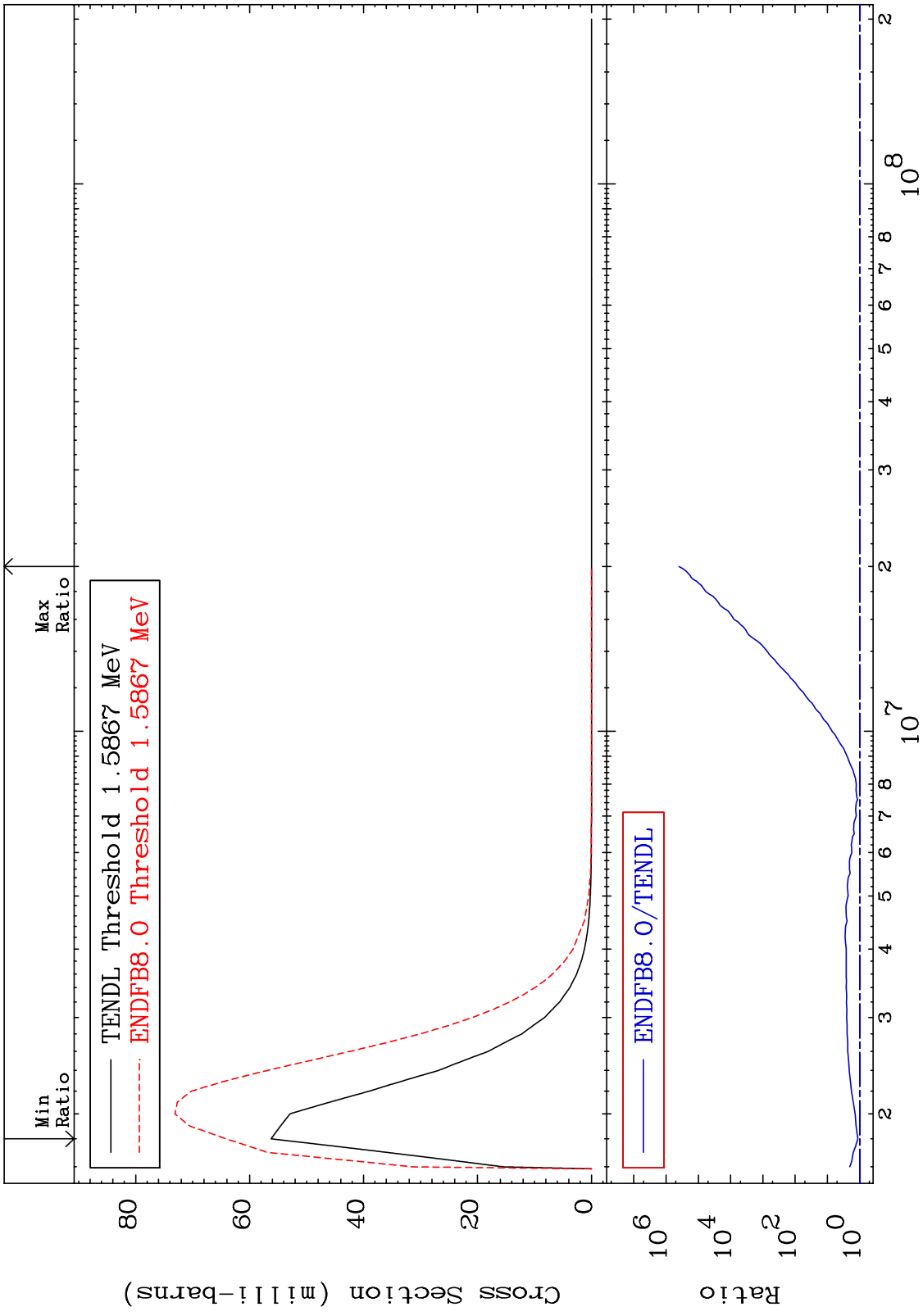
72-Hf-176  
-99.94 To 103.6 %



MAT 7231 MT= 73 (n,n') Level Cross Section 72-Hf-176 14.60 To 9999. %

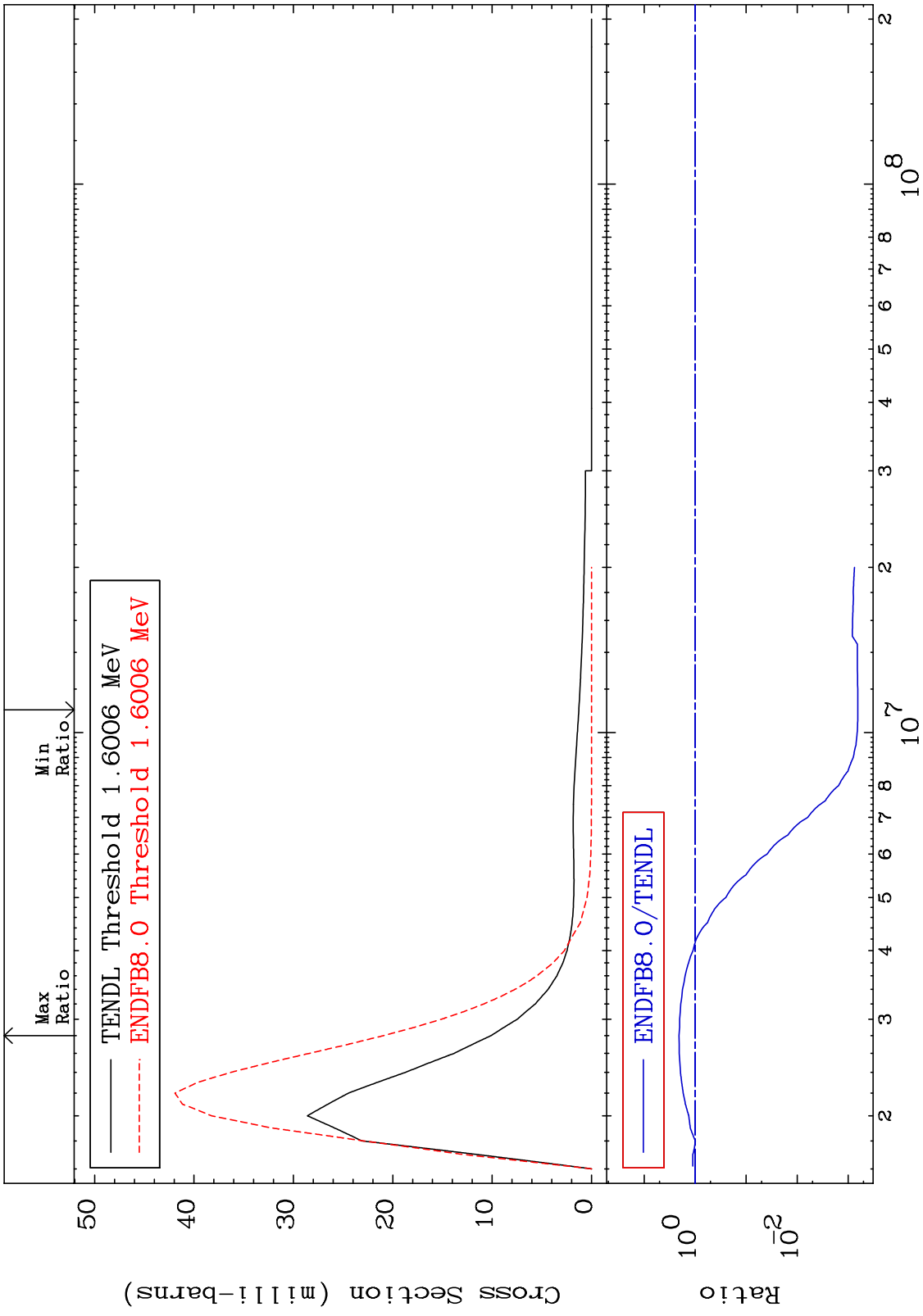


MAT 7231 MT= 74 (n,n') Level Cross Section 72-Hf-176  
 14.00 To 9999. %

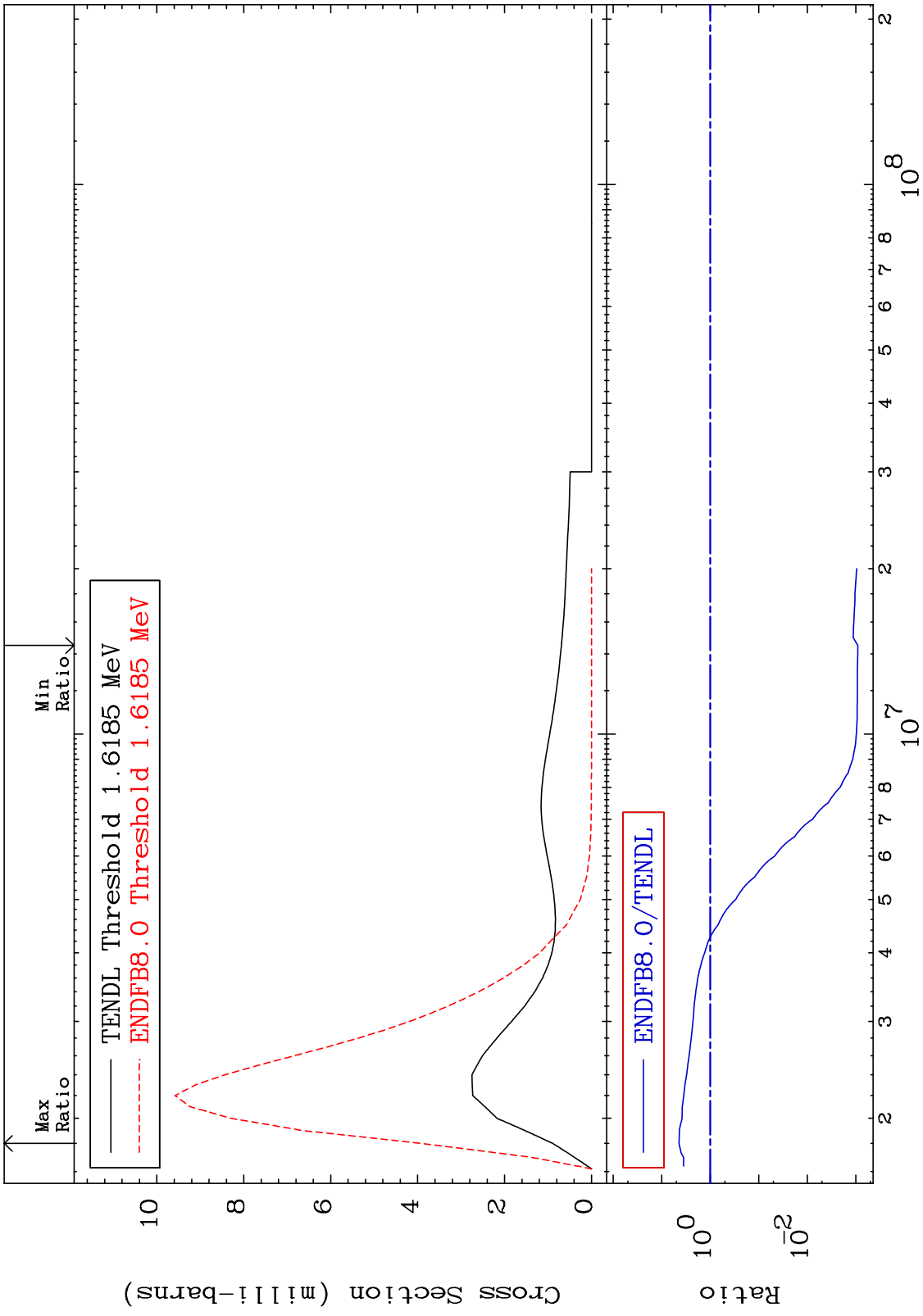




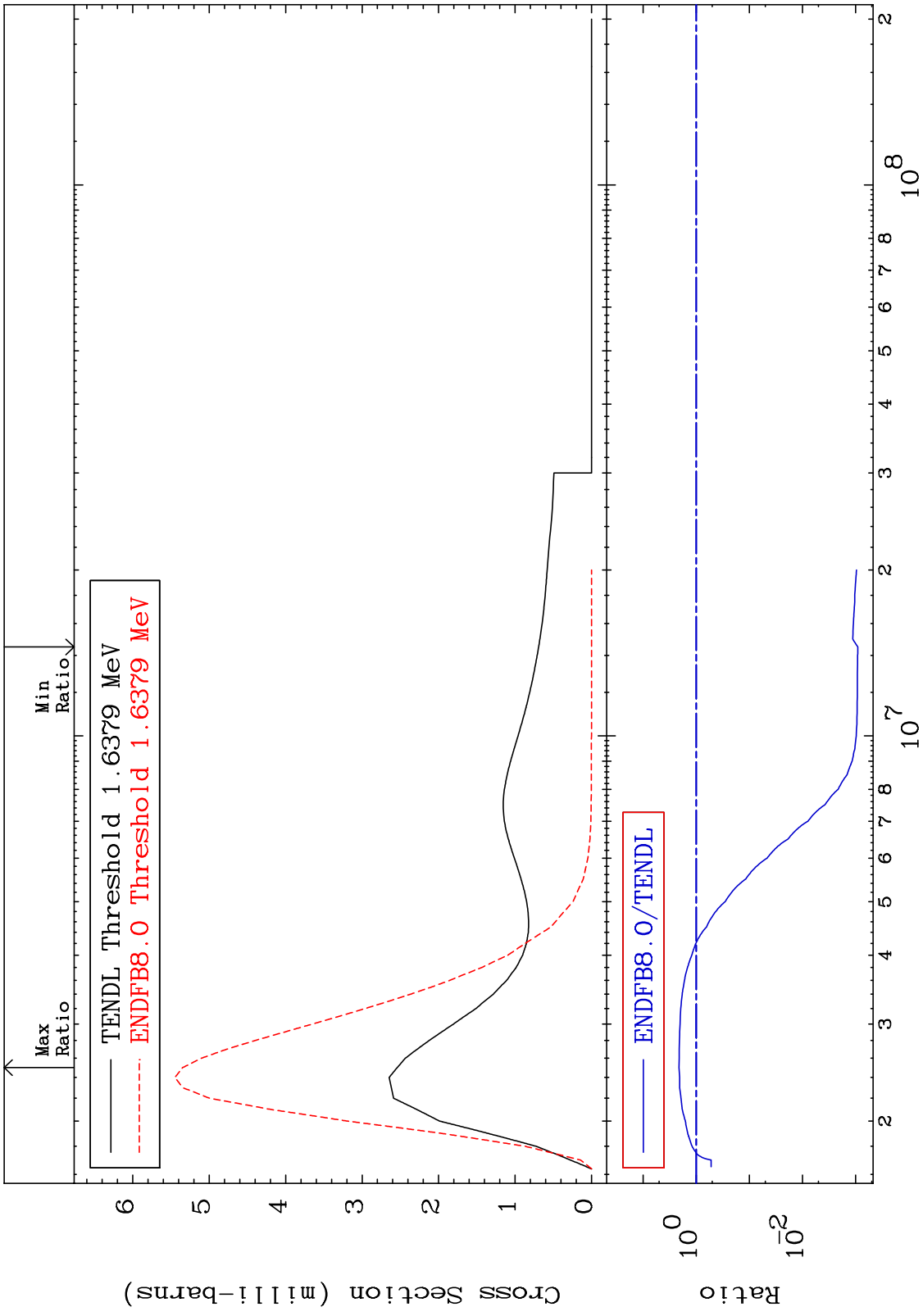
MAT 7231 MT= 75 (n,n') Level Cross Section 72-Hf-176  
 -99.94 To 106.8 %



MAT 7231      MT= 76 (n,n') Level      72-Hf-176  
 Cross Section      -99.91 To 339.2 %



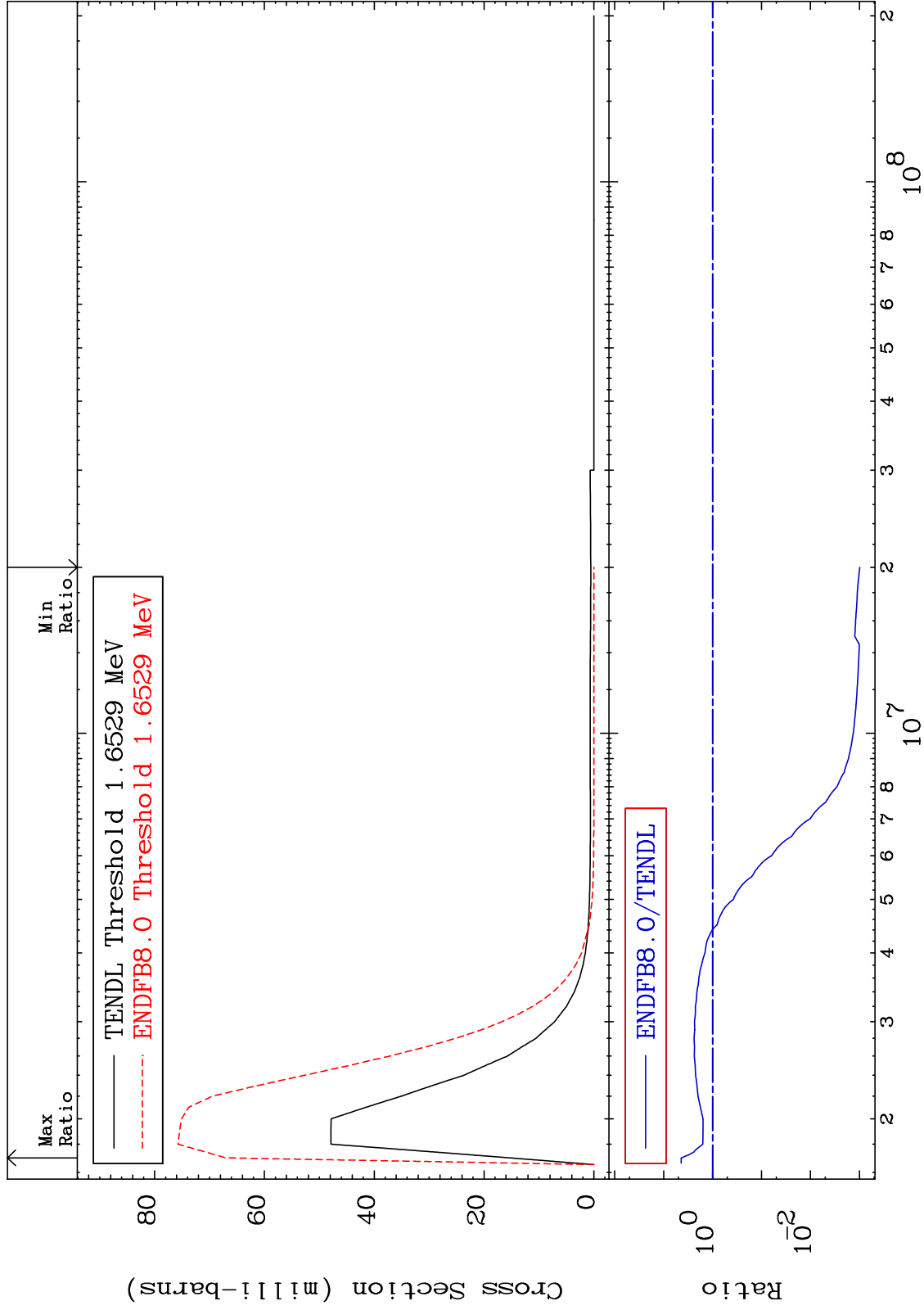
MAT 7231 MT= 77 (n,n') Level Cross Section 72-Hf-176 -99.91 To 110.4 %



MAT 7231

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

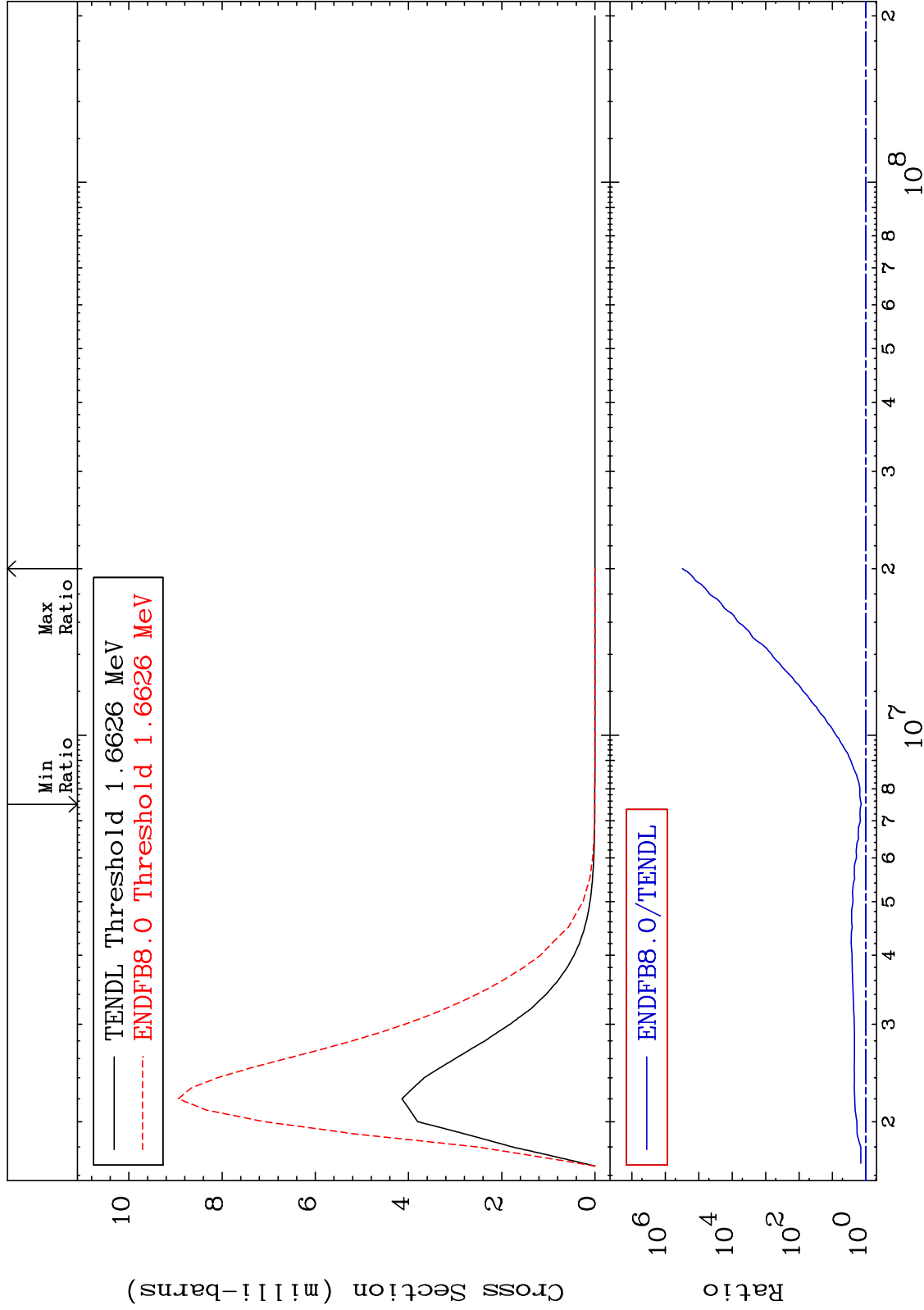
72-Hf-176  
-99.90 To 337.1 %



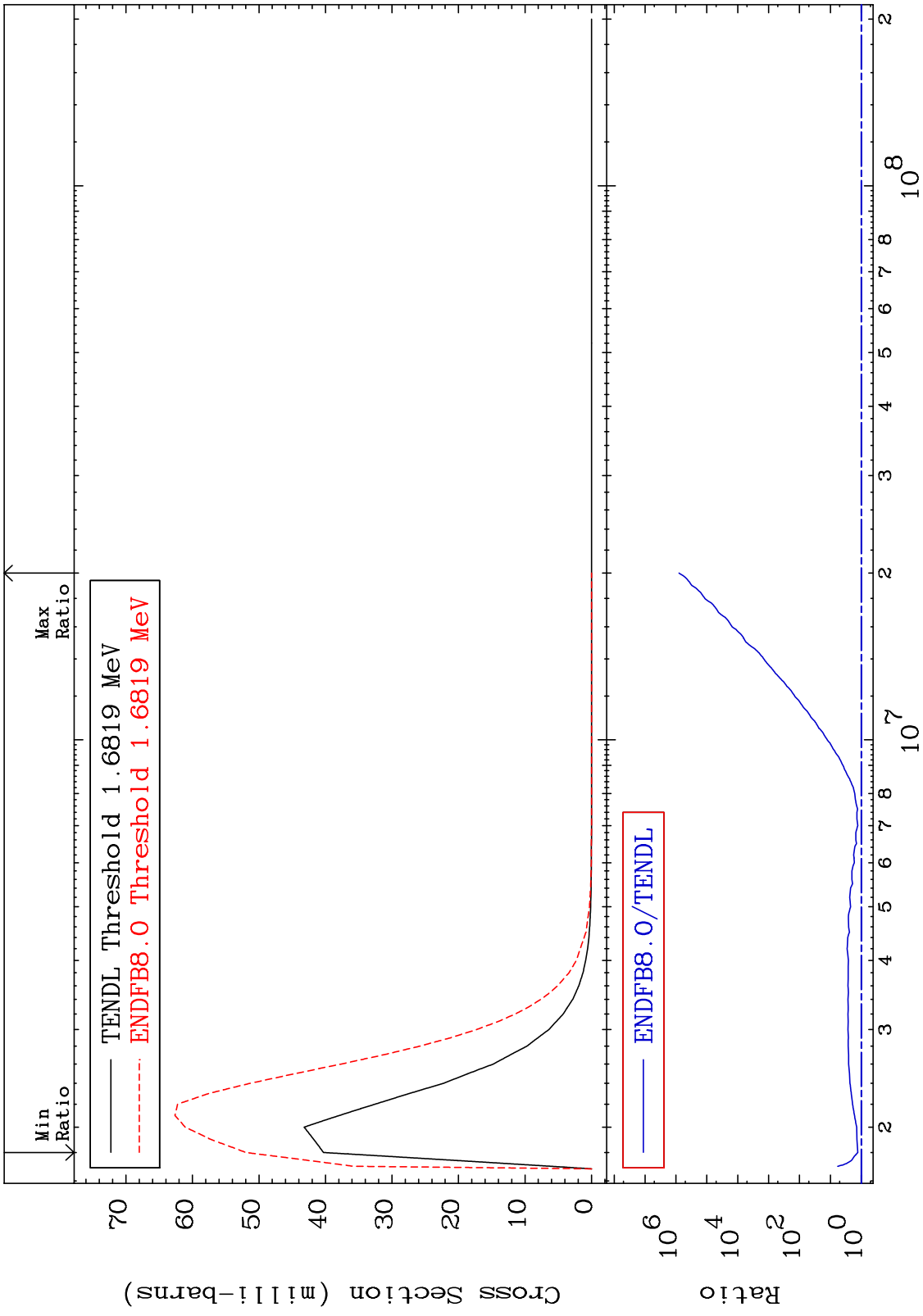
MAT 7231

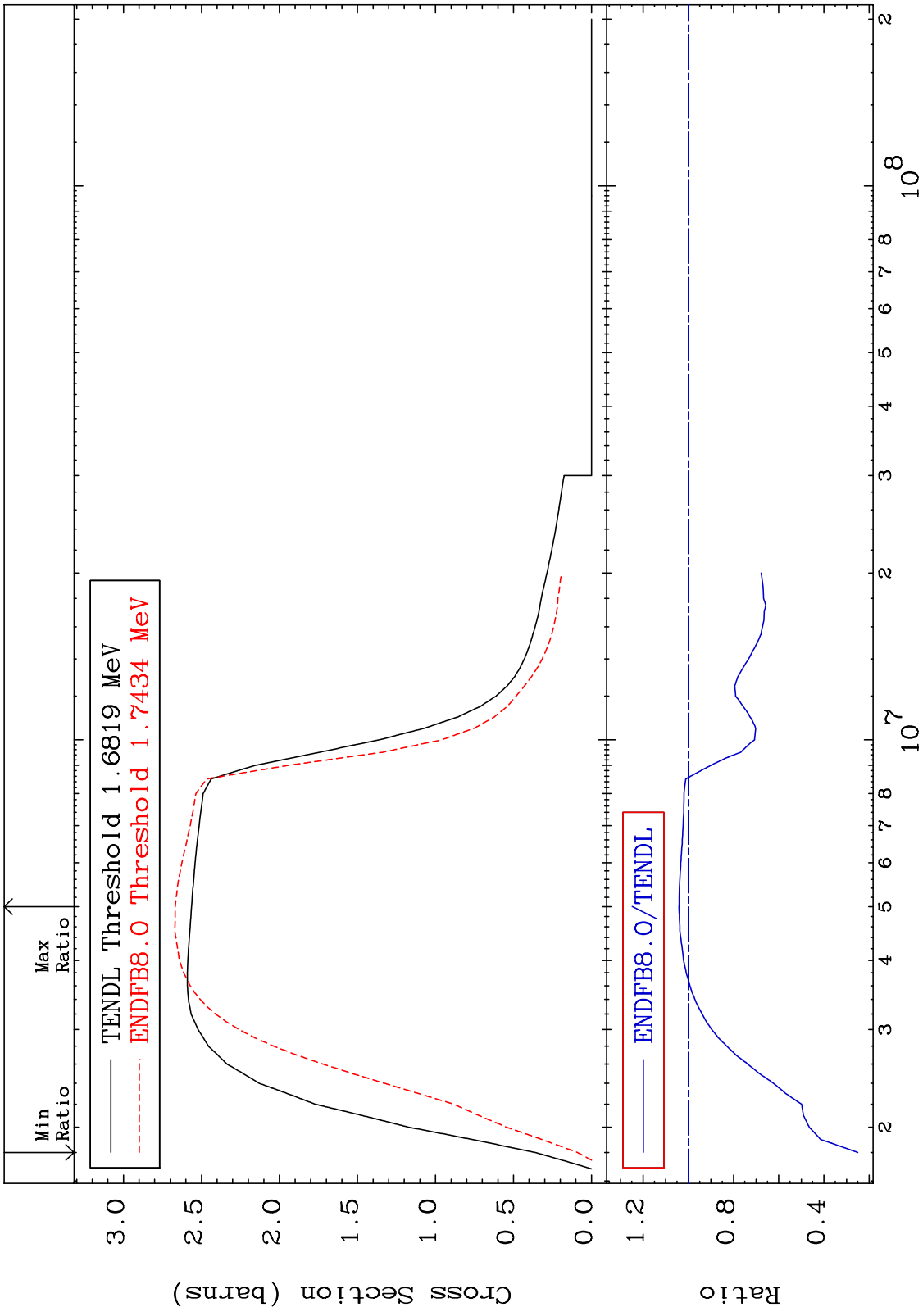
MT= 79 (n,n') Level  
Cross Section

72-Hf-176  
37.51 To 9999. %



MAT 7231 MT= 80 (n,n') Level Cross Section 72-Hf-176 28.95 To 9999. %





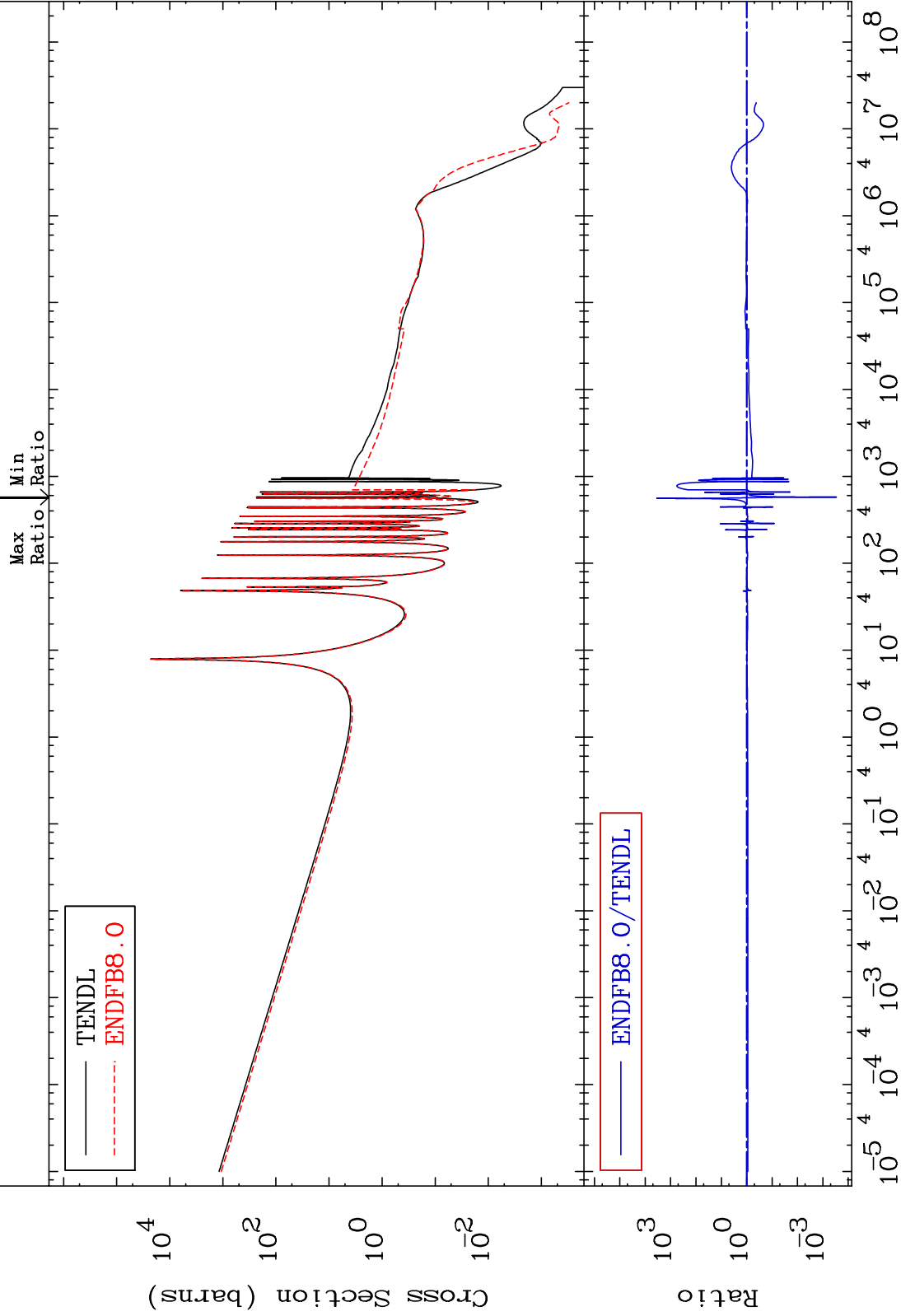
MAT 7231

72-Hf-176

(n,  $\gamma$ )

-99.97 To 9999. %

Cross Section





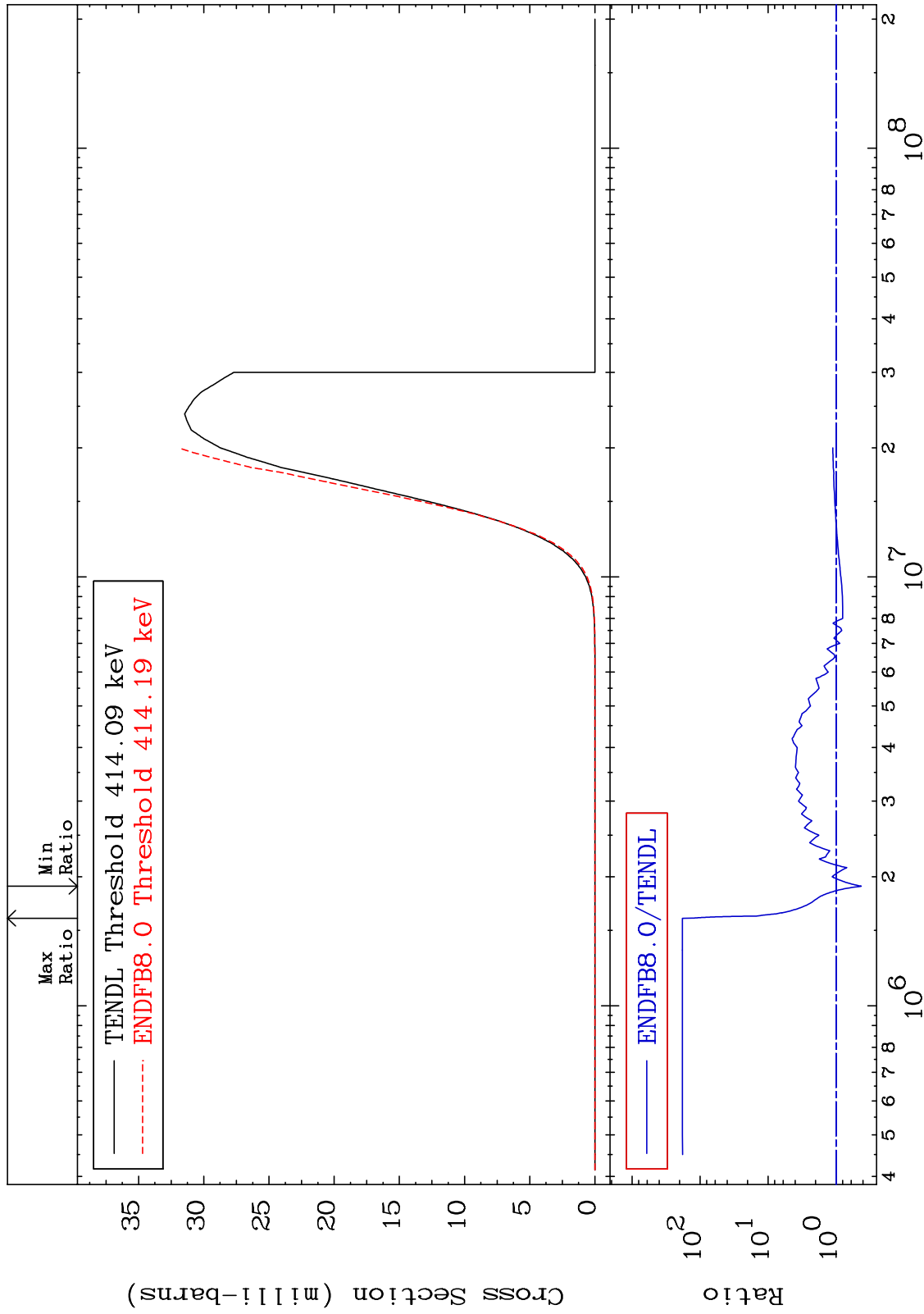
MAT 7231

(n,p)

72-Hf-176

Cross Section

-57.48 To 9999. %



40

72-Hf-176

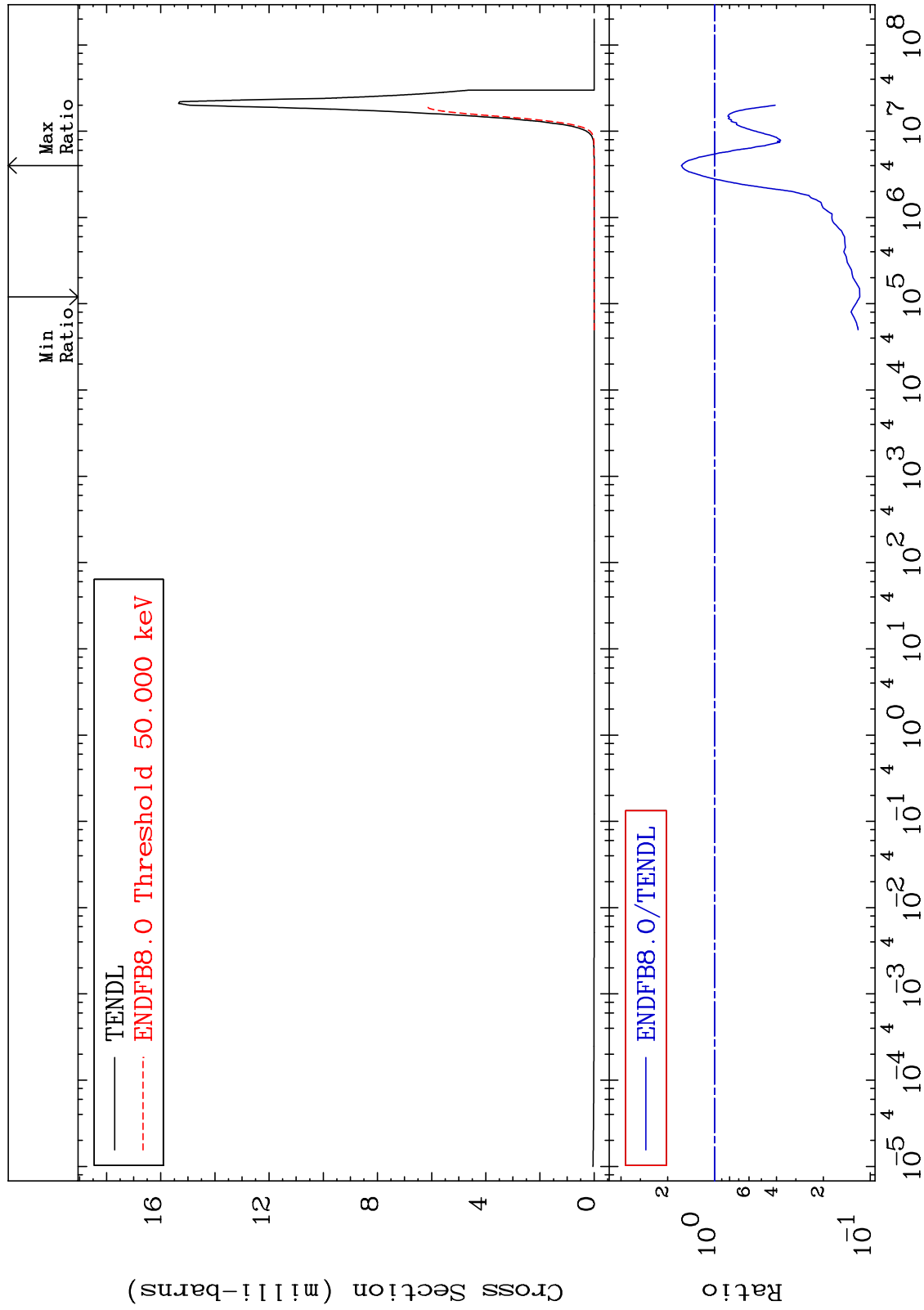
MAT 7231

(n,  $\alpha$ )

72-Hf-176

Cross Section

-88.35 To 63.26 %



41

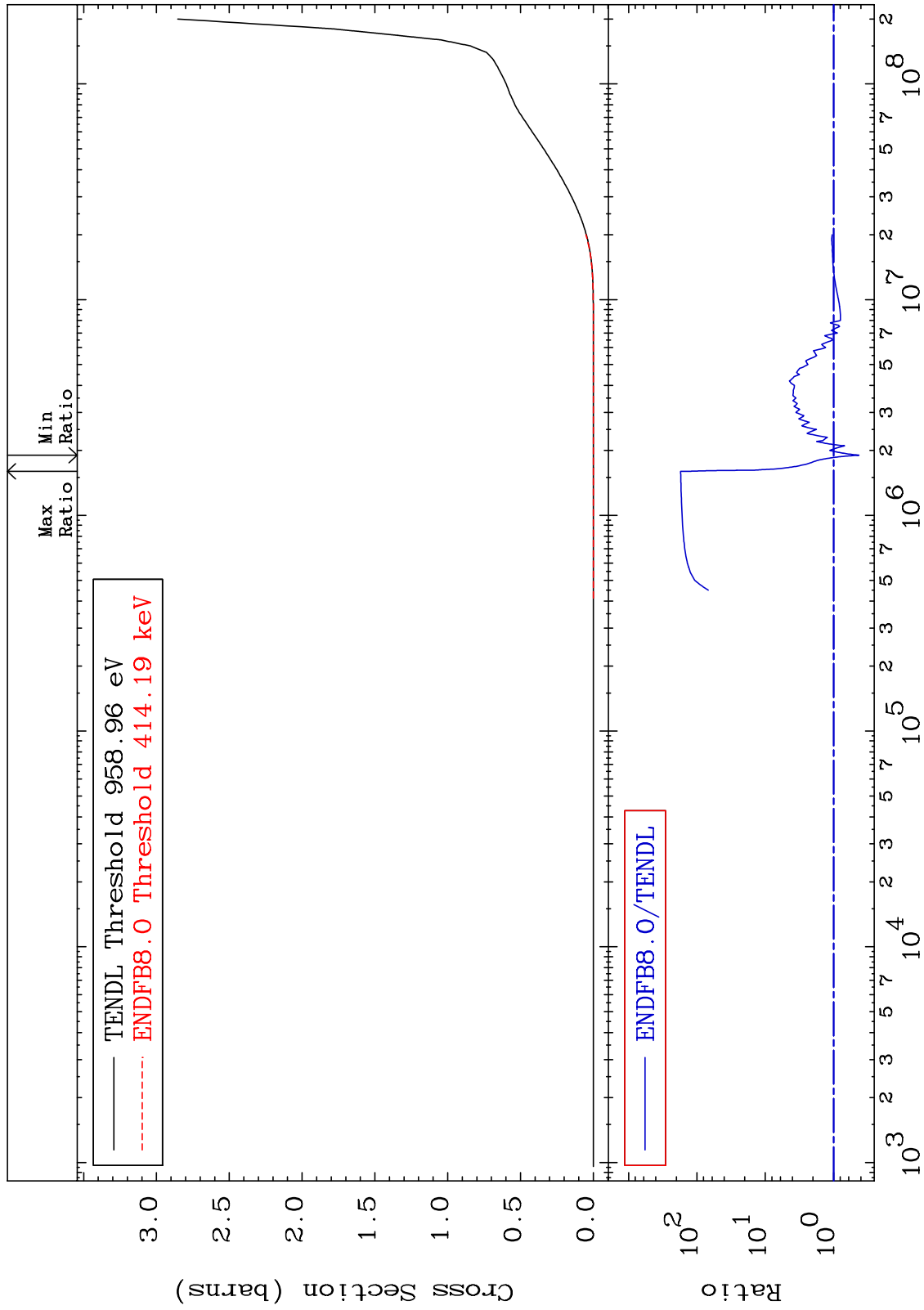
Incident Energy (eV)

72-Hf-176

MAT 7231

Hydrogen Production  
Cross Section

72-Hf-176  
-57.48 To 9999. %



42

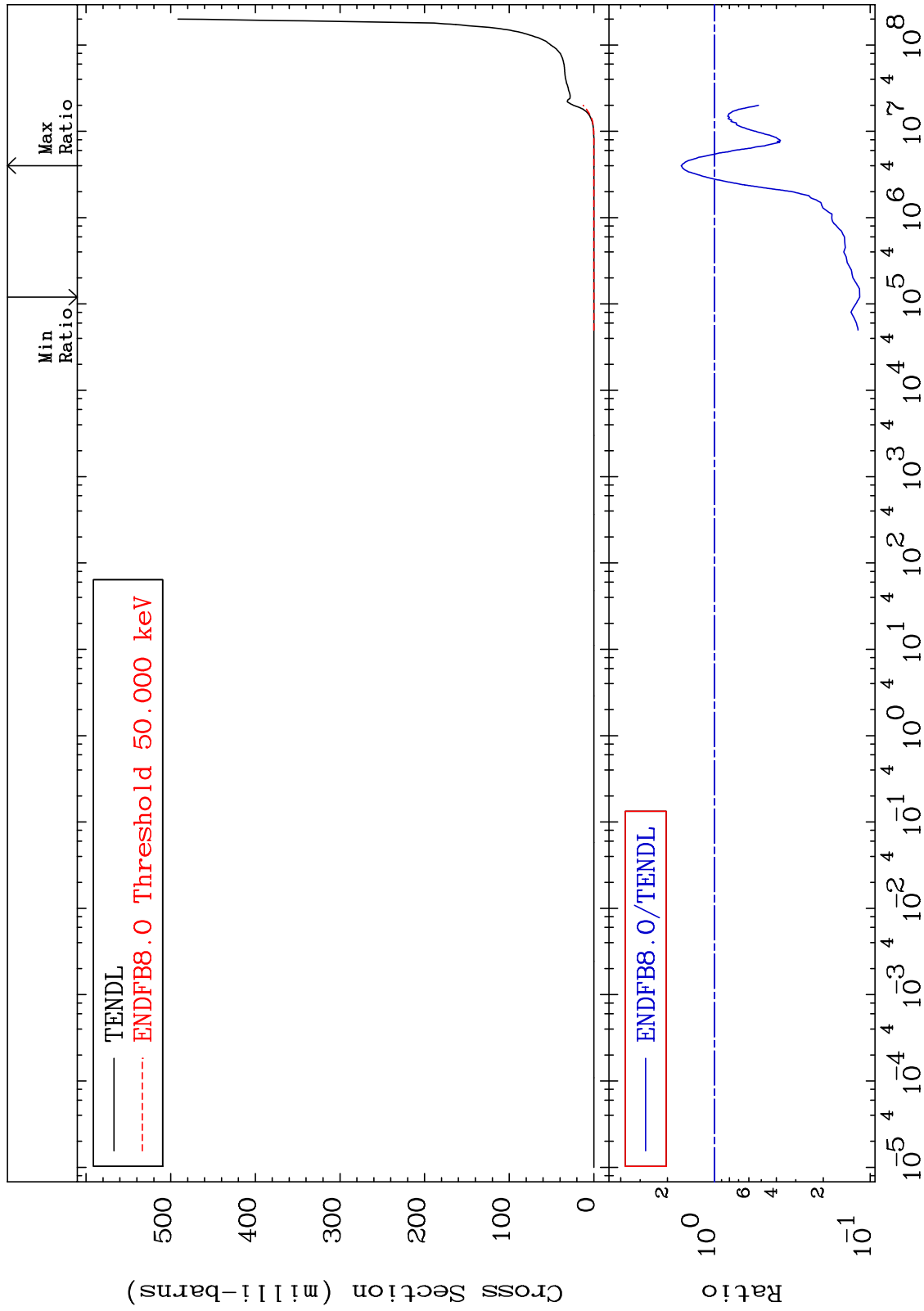
Incident Energy (eV)

72-Hf-176

MAT 7231

He-4 Production  
Cross Section

72-Hf-176  
-88.35 To 63.26 %

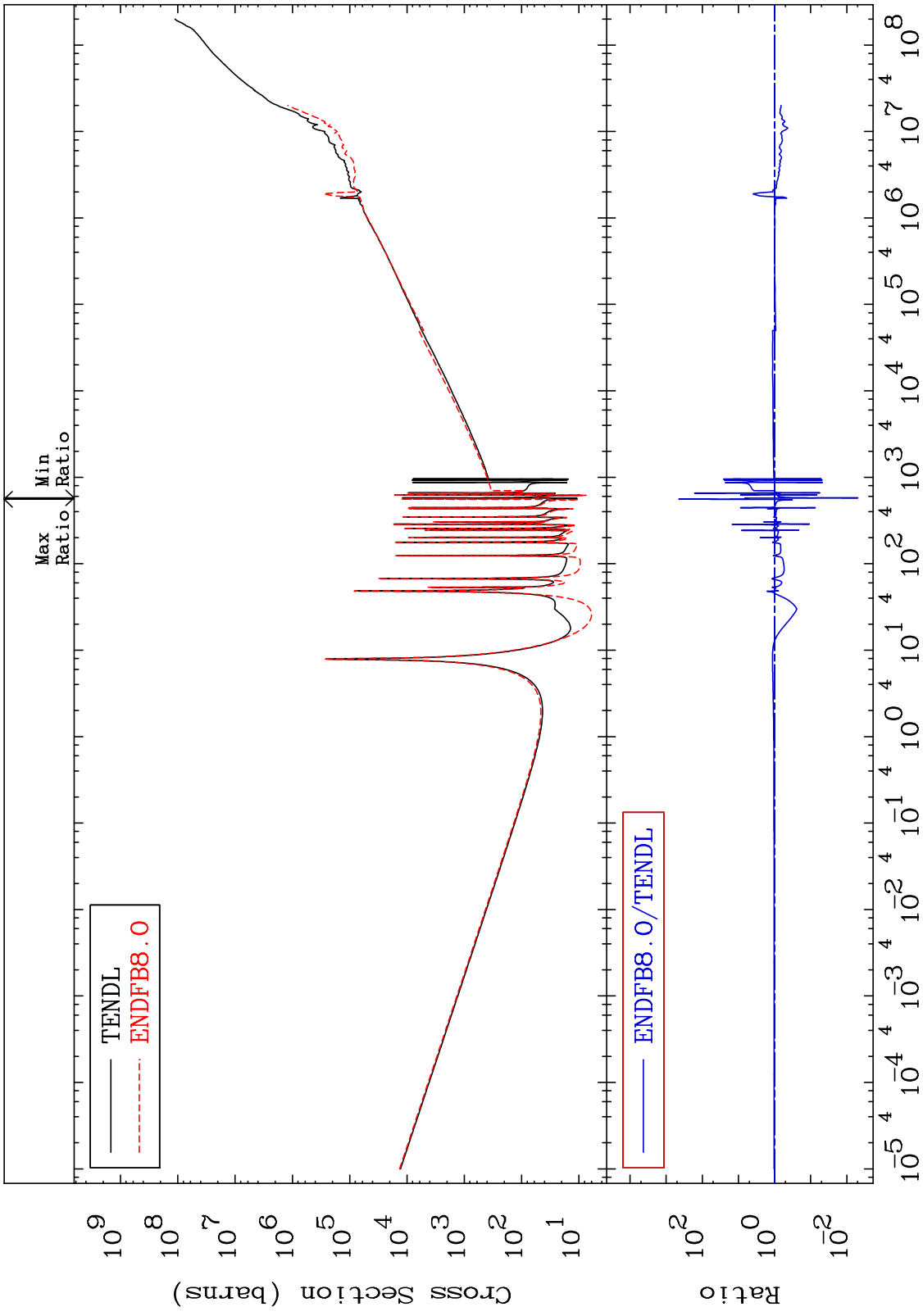


43

Incident Energy (eV)

72-Hf-176

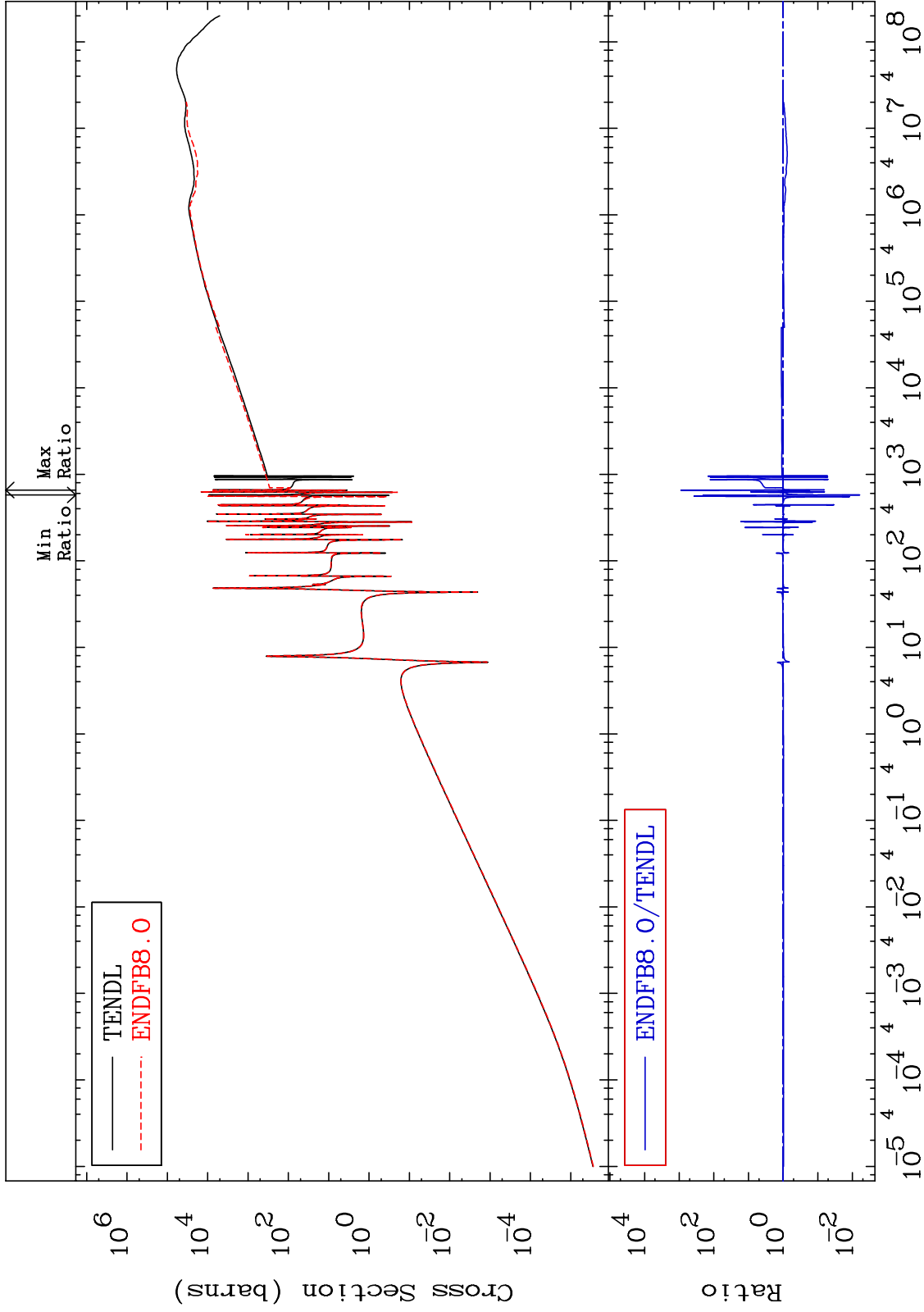
MAT 7231 Kerma total (eV-barns) 72-Hf-176  
 Cross Section -99.51 To 9999. %



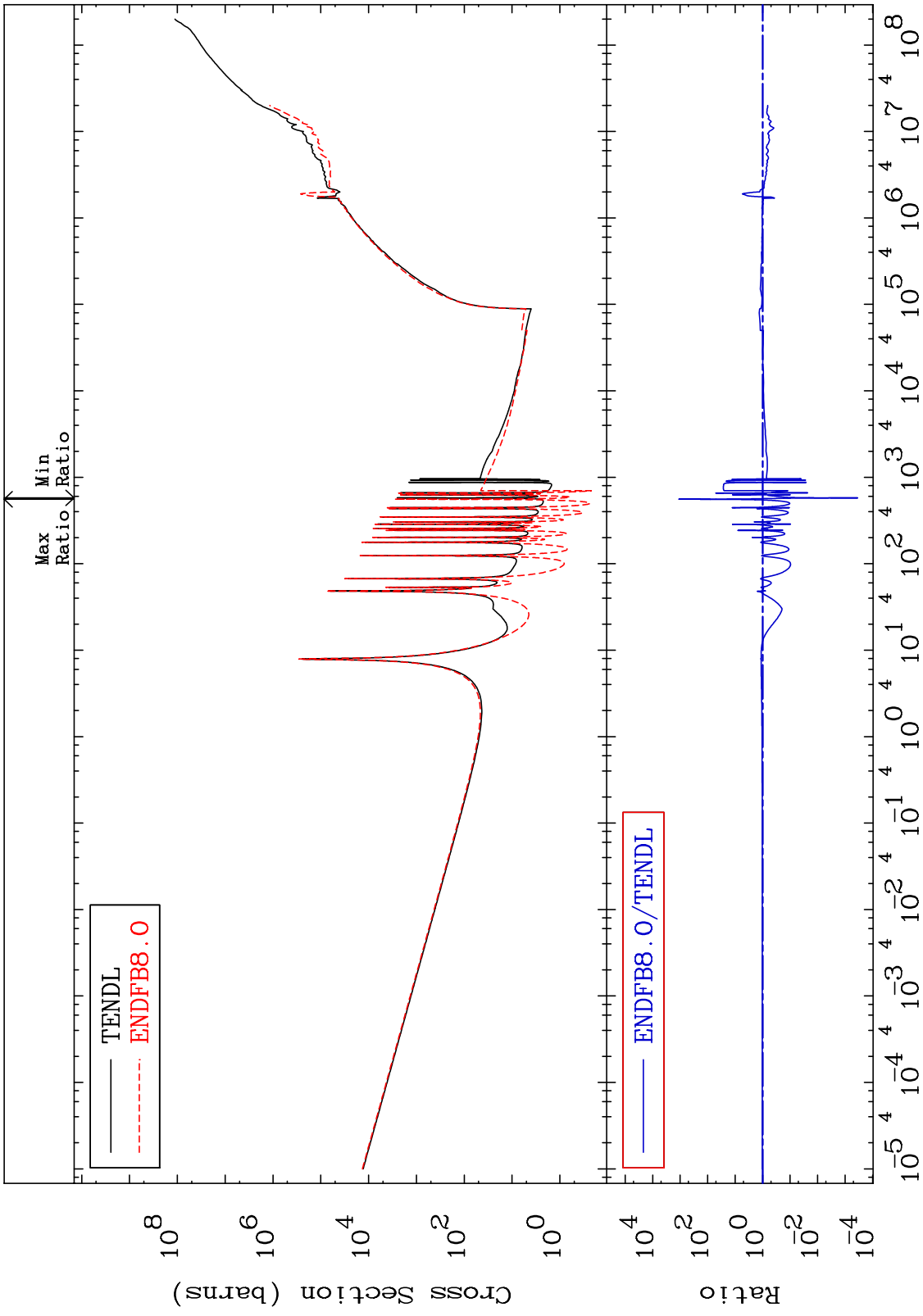
MAT 7231

Kerma elastic  
Cross Section

72-Hf-176  
-99.38 To 9999. %



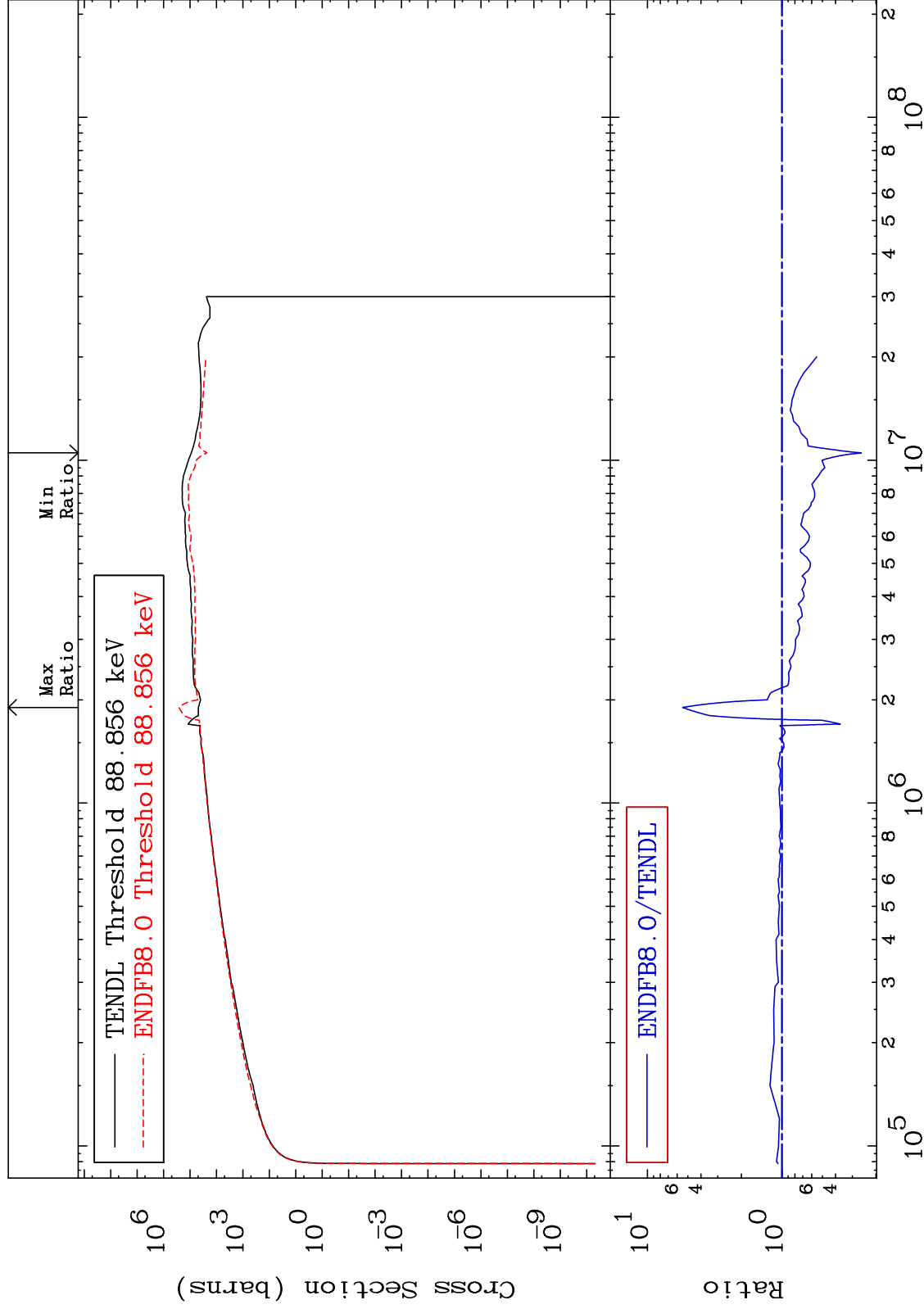
MAT 7231 Kerma non-elastic (all but mt2) 72-Hf-176  
 -99.97 To 9999. %  
 Cross Section



MAT 7231

Kerma inelastic (mt51-91)  
Cross Section

72-Hf-176  
-74.33 To 446.4 %



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Incident Energy (eV)

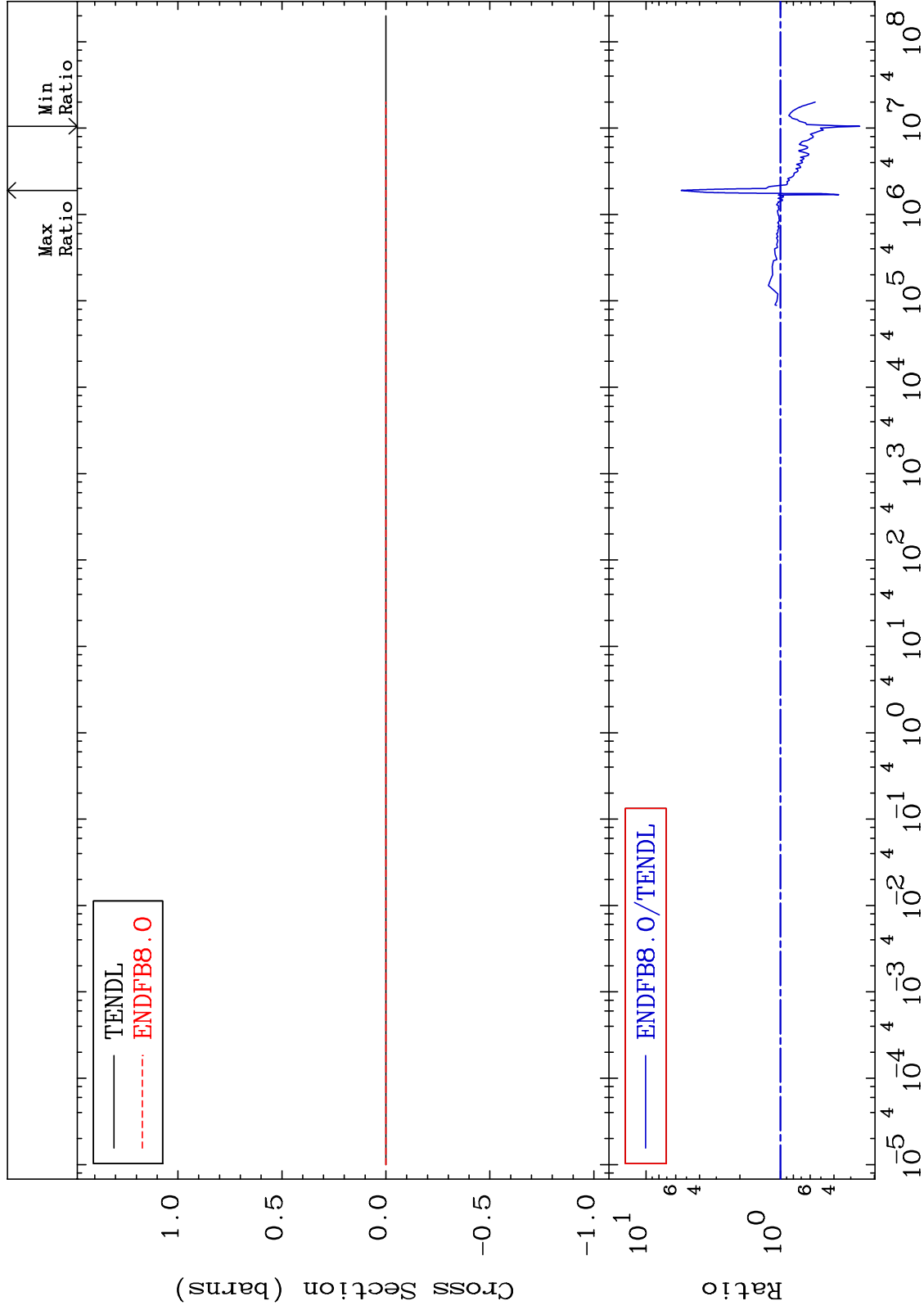
72-Hf-176



MAT 7231

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

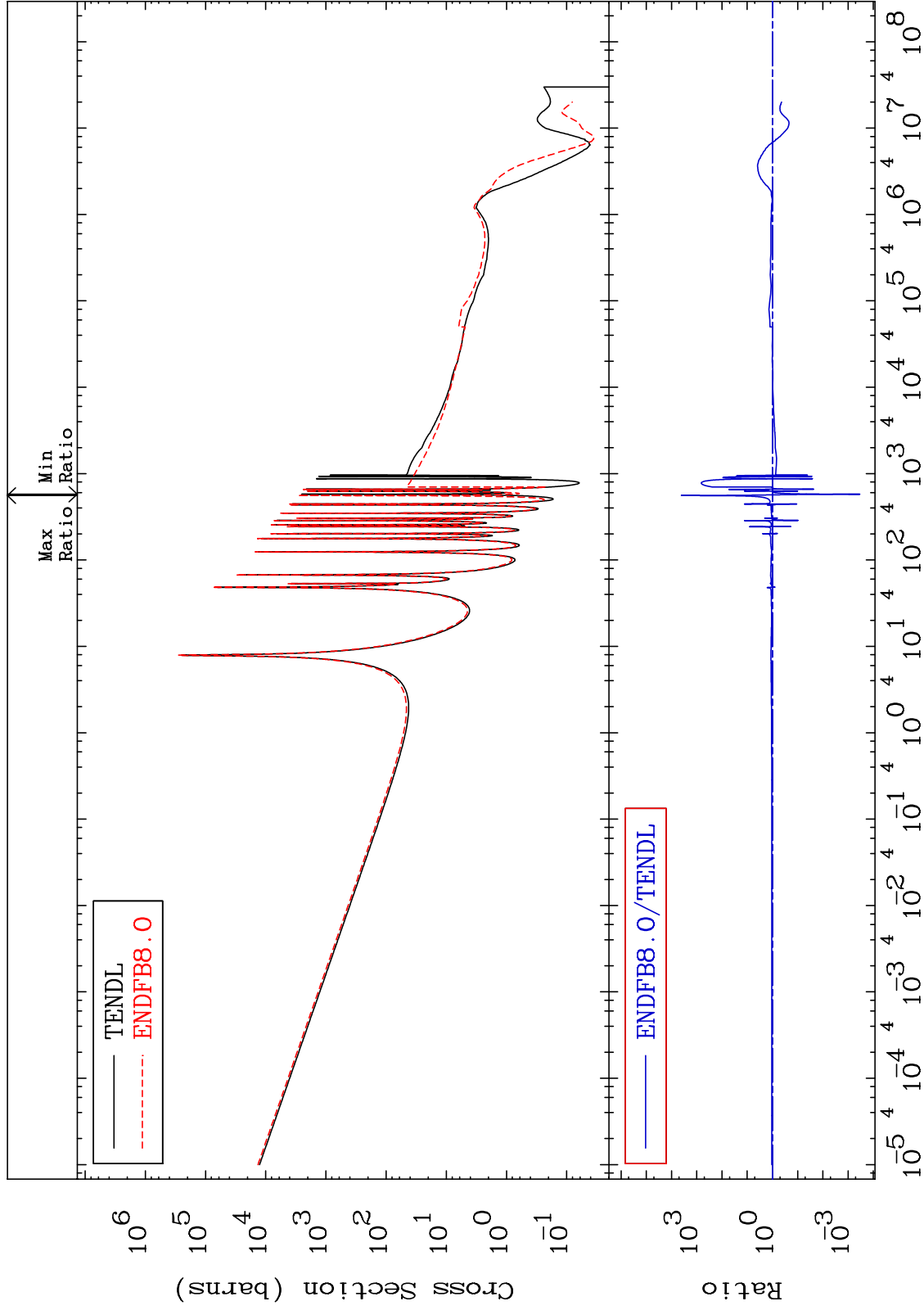
72-Hf-176  
-74.33 To 446.4 %



MAT 7231

Kerma capture (mt102)  
Cross Section

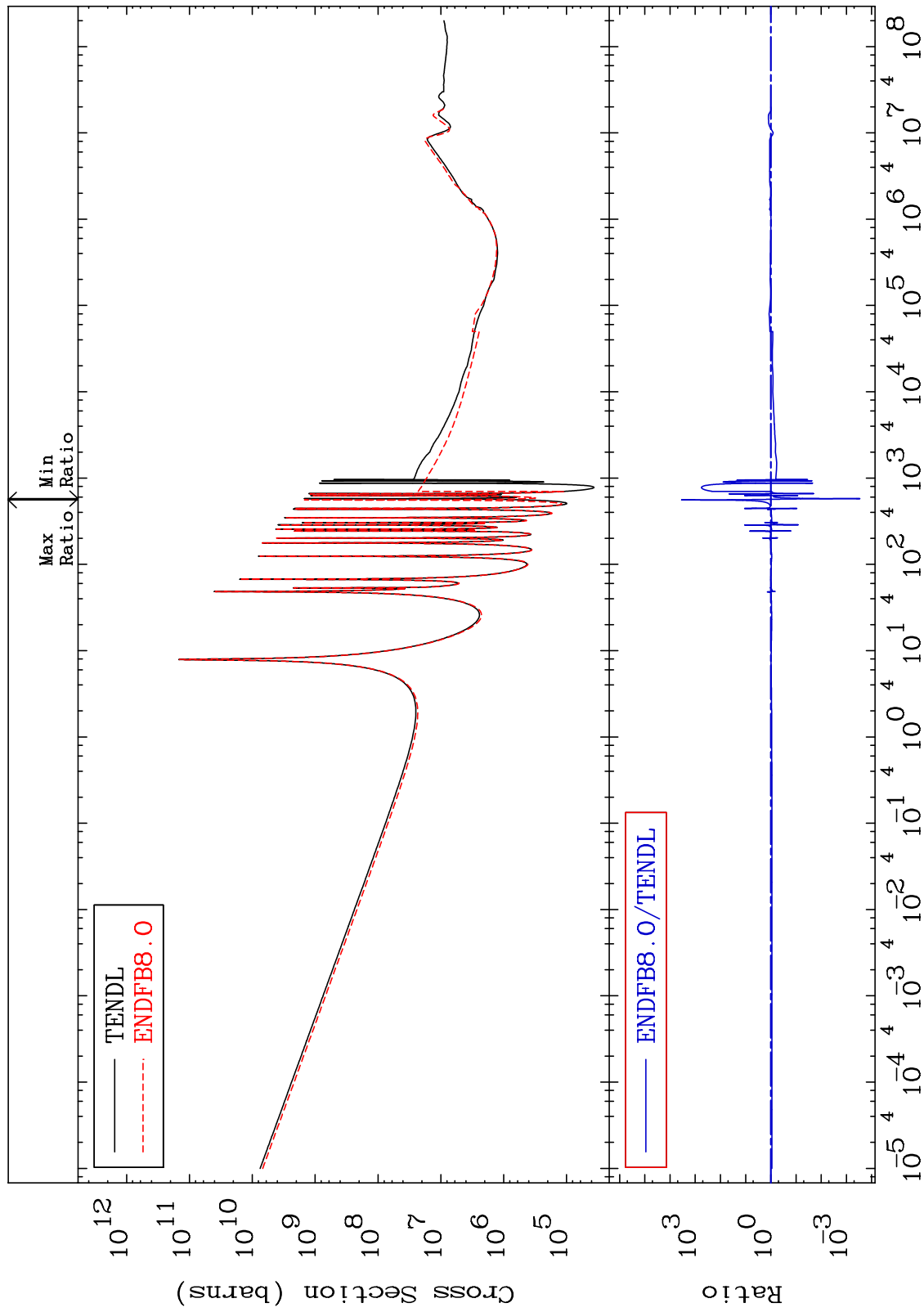
72-Hf-176  
-99.97 To 9999. %



MAT 7231

Total photon (eV-barns)  
Cross Section

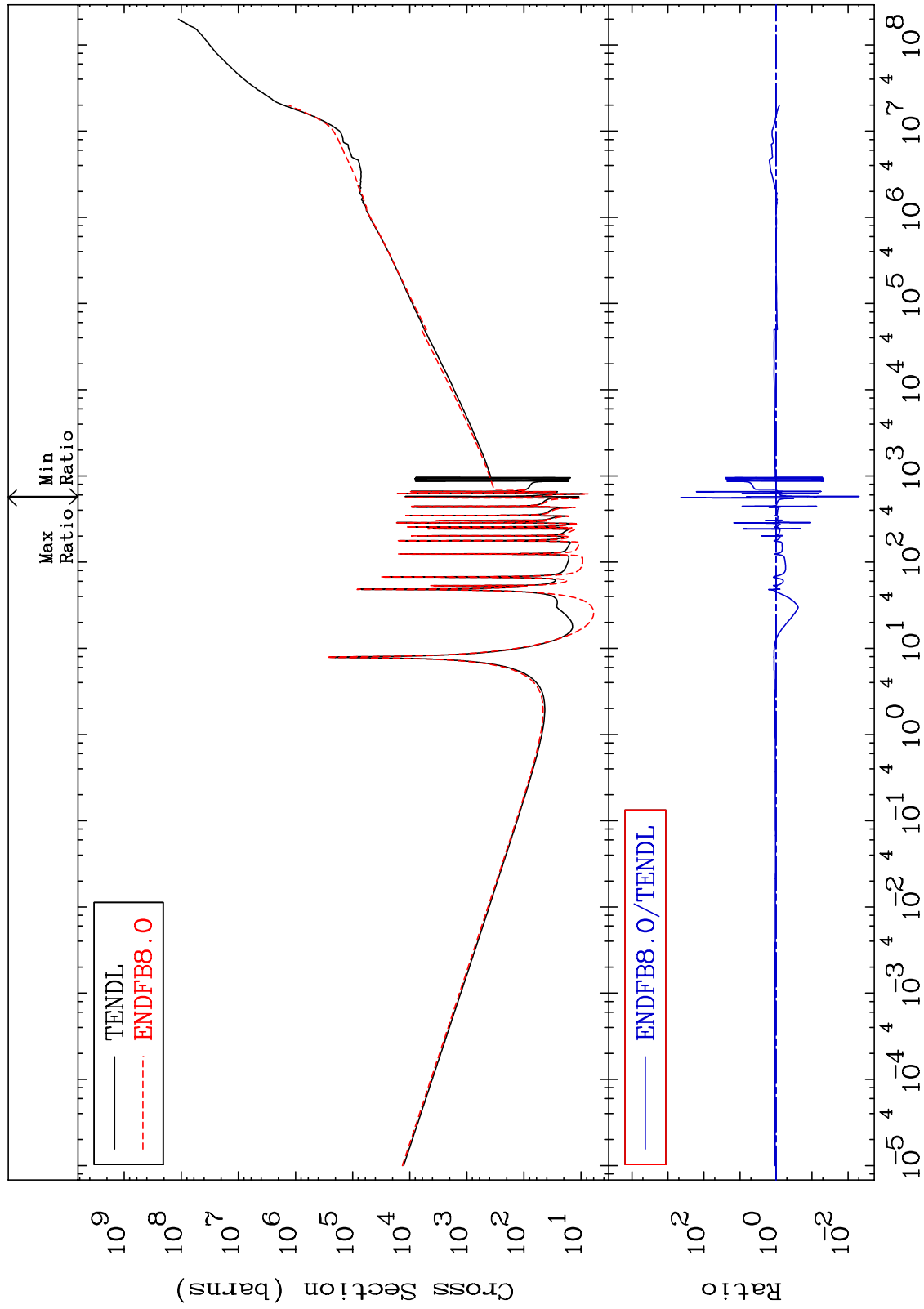
72-Hf-176  
-99.97 To 9999. %



MAT 7231

Total kinematic kerma (high limit)  
Cross Section

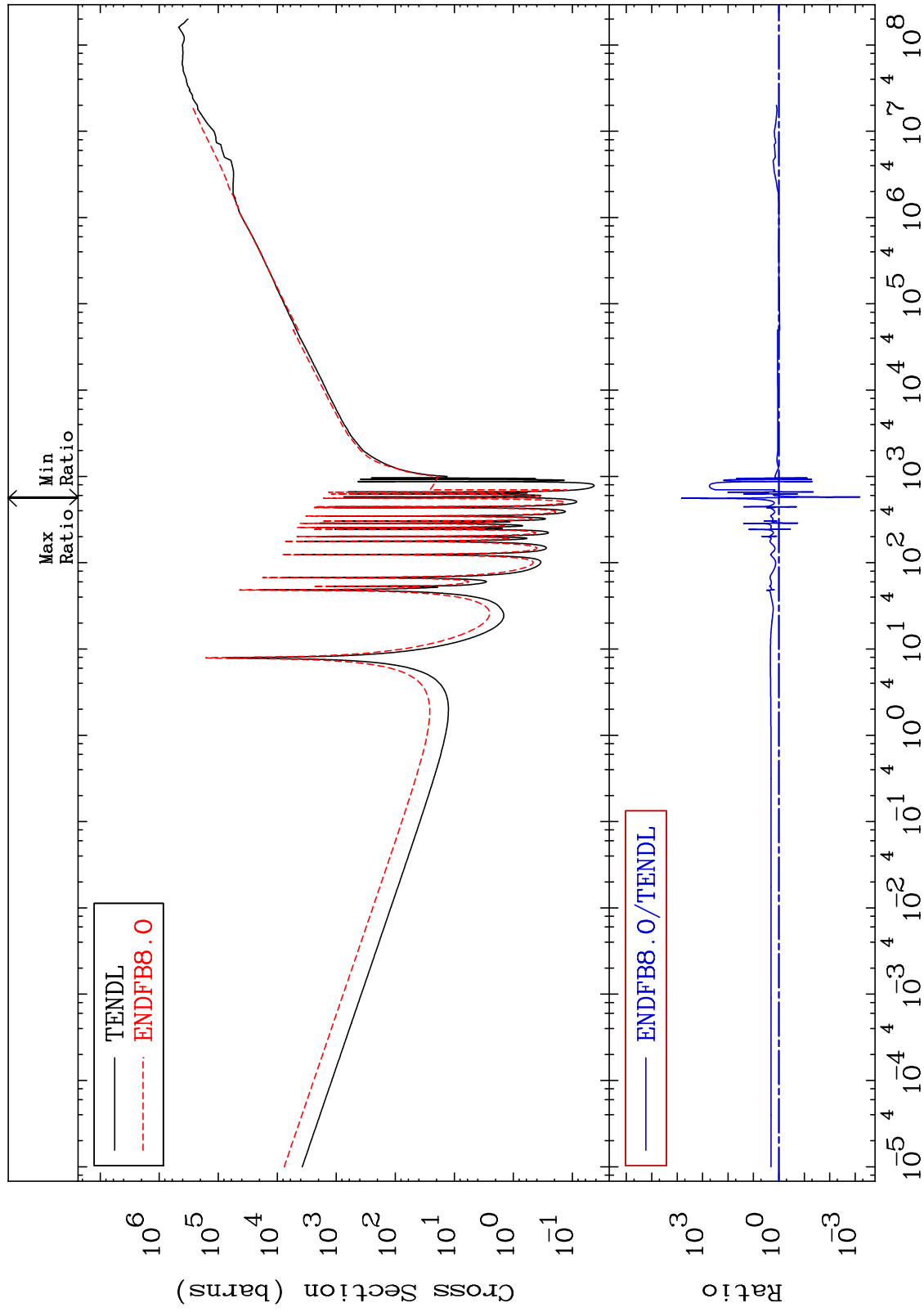
72-Hf-176  
-99.51 To 9999. %



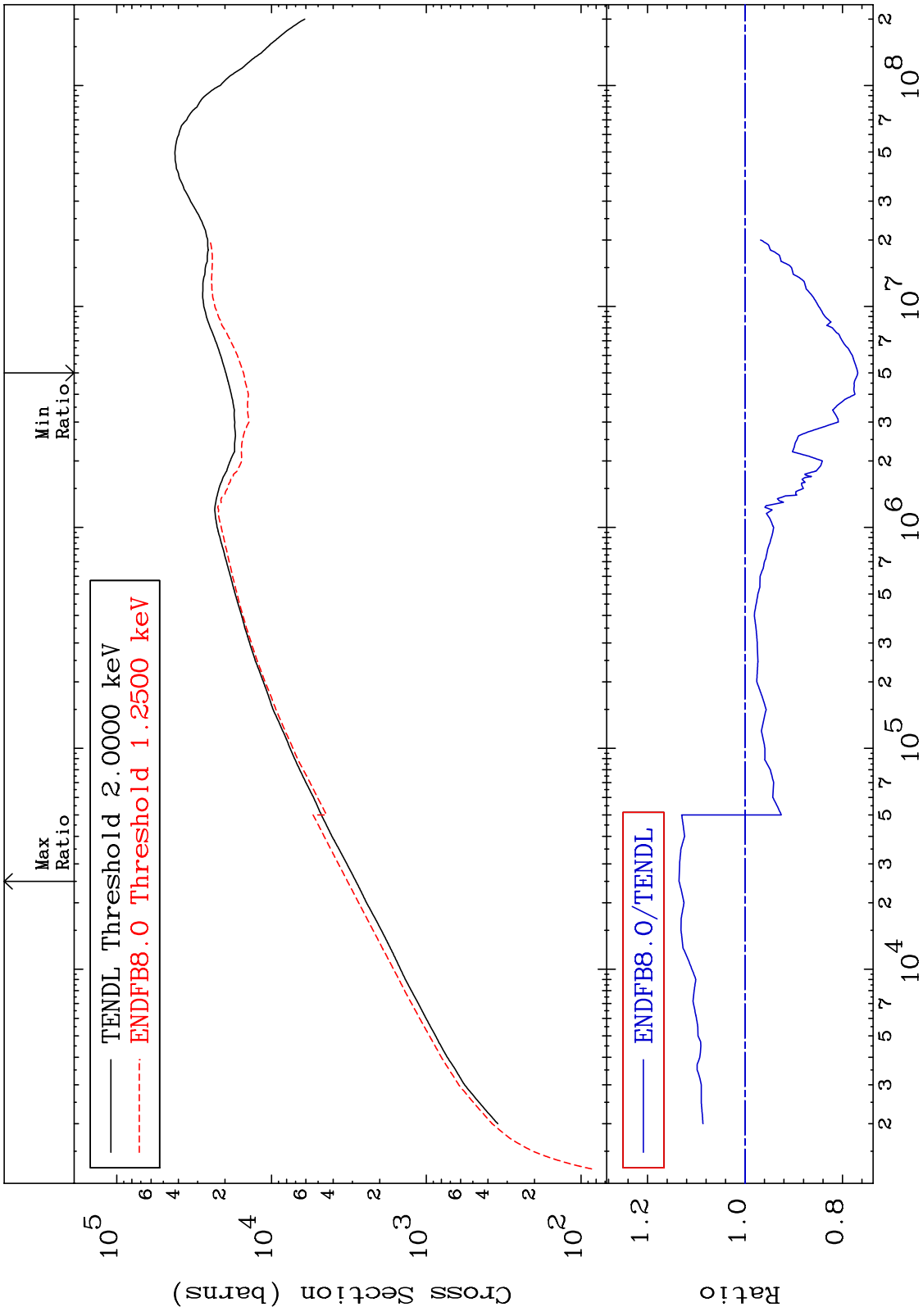
MAT 7231

Dpa total (eV-barns)  
Cross Section

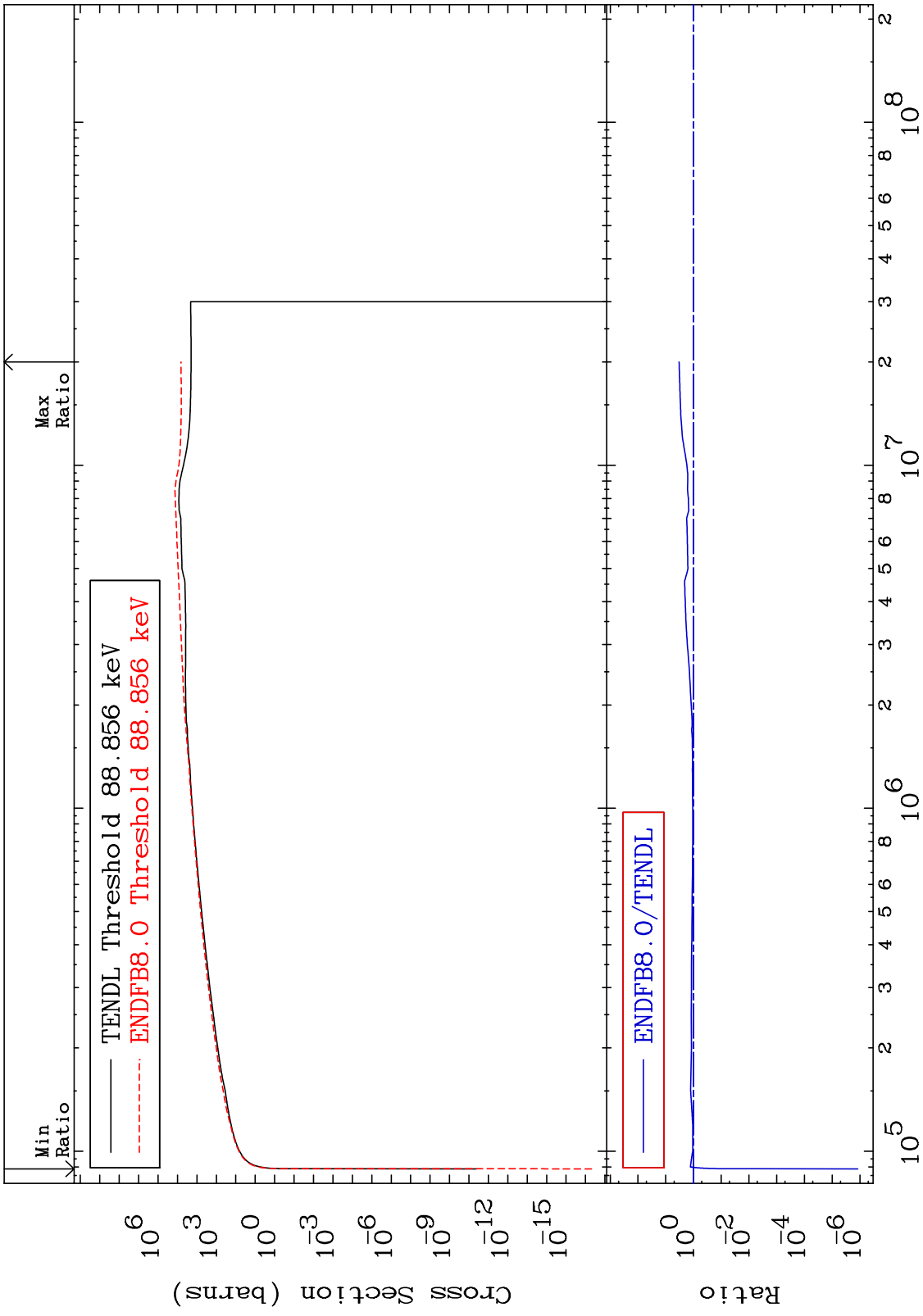
72-Hf-176  
-99.93 To 9999. %



MAT 7231 72-Hf-176  
 Dpa elastic (mt2) -23.16 To 13.54 %  
 Cross Section



MAT 7231      Dpa inelastic (mt51-91)      72-Hf-176  
 Cross Section      -100.0 To 231.1 %



MAT 7231

Dpa disappearance (mt102 -120)  
Cross Section

72-Hf-176  
-99.93 To 9999. %

