

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

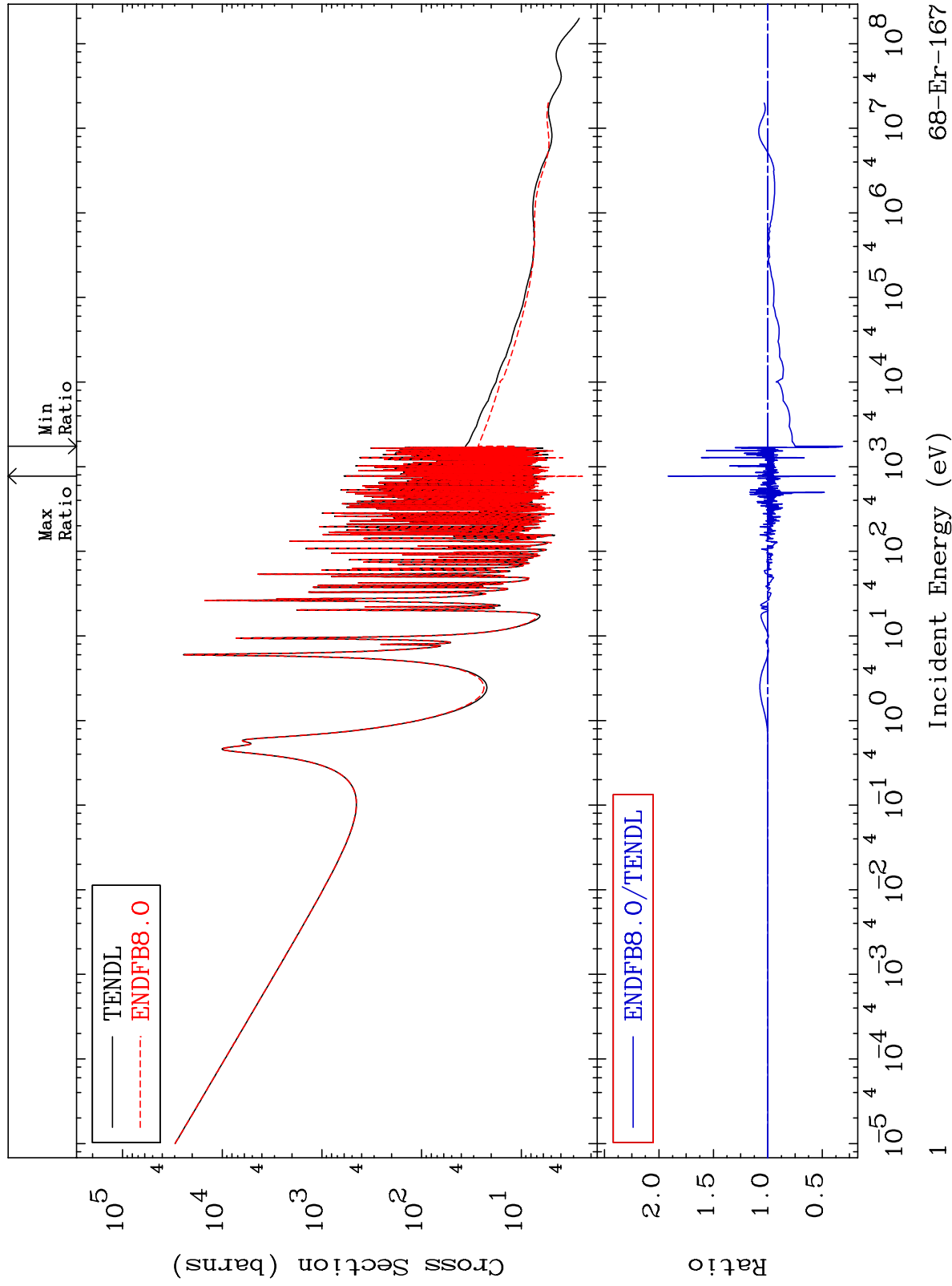
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6840

Total  
Cross Section

68-Er-167  
-68.87 To 91.71 %



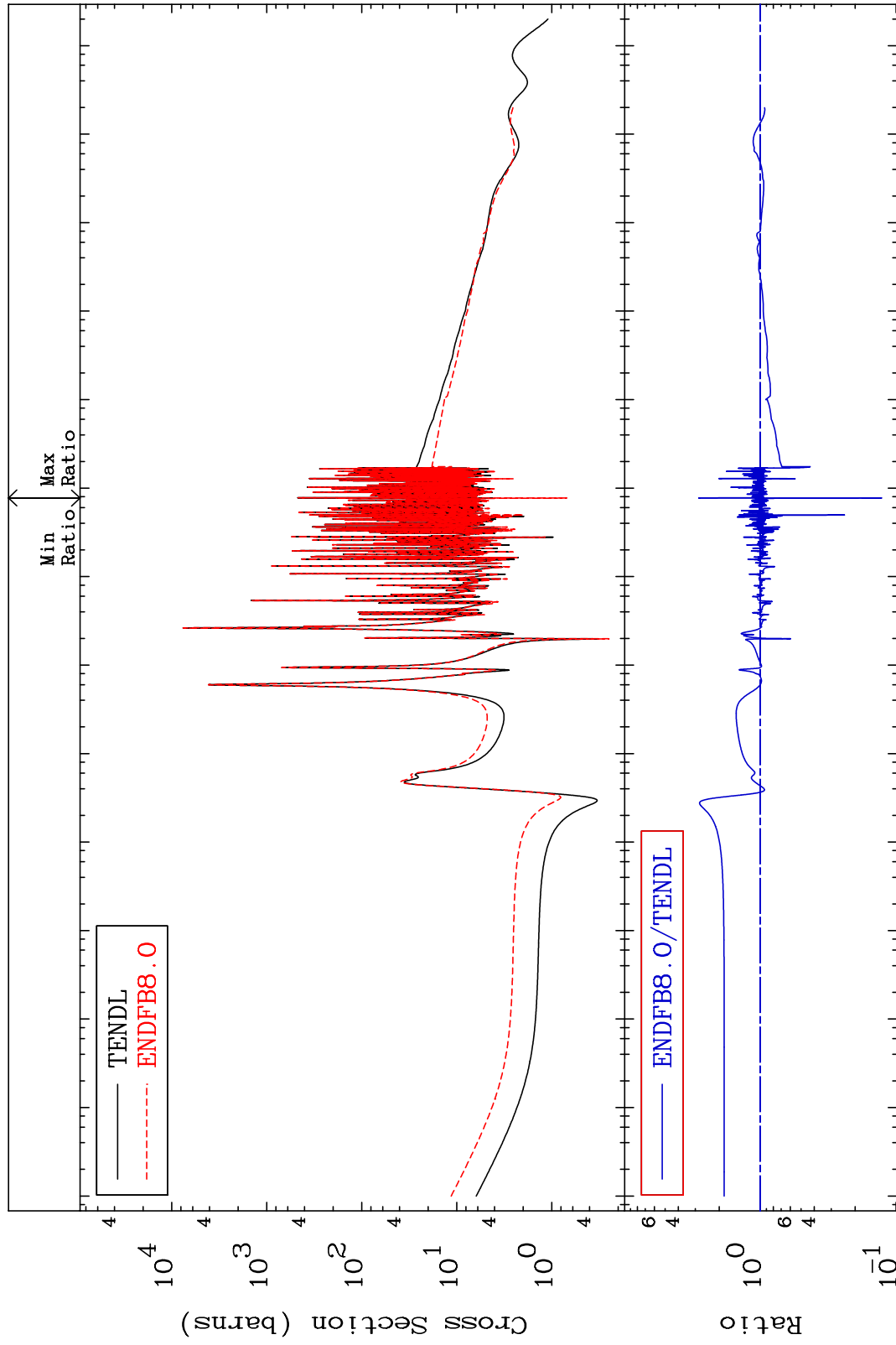
MAT 6840

Elastic

Cross Section

68-Er-167

-87.20 To 183.0 %

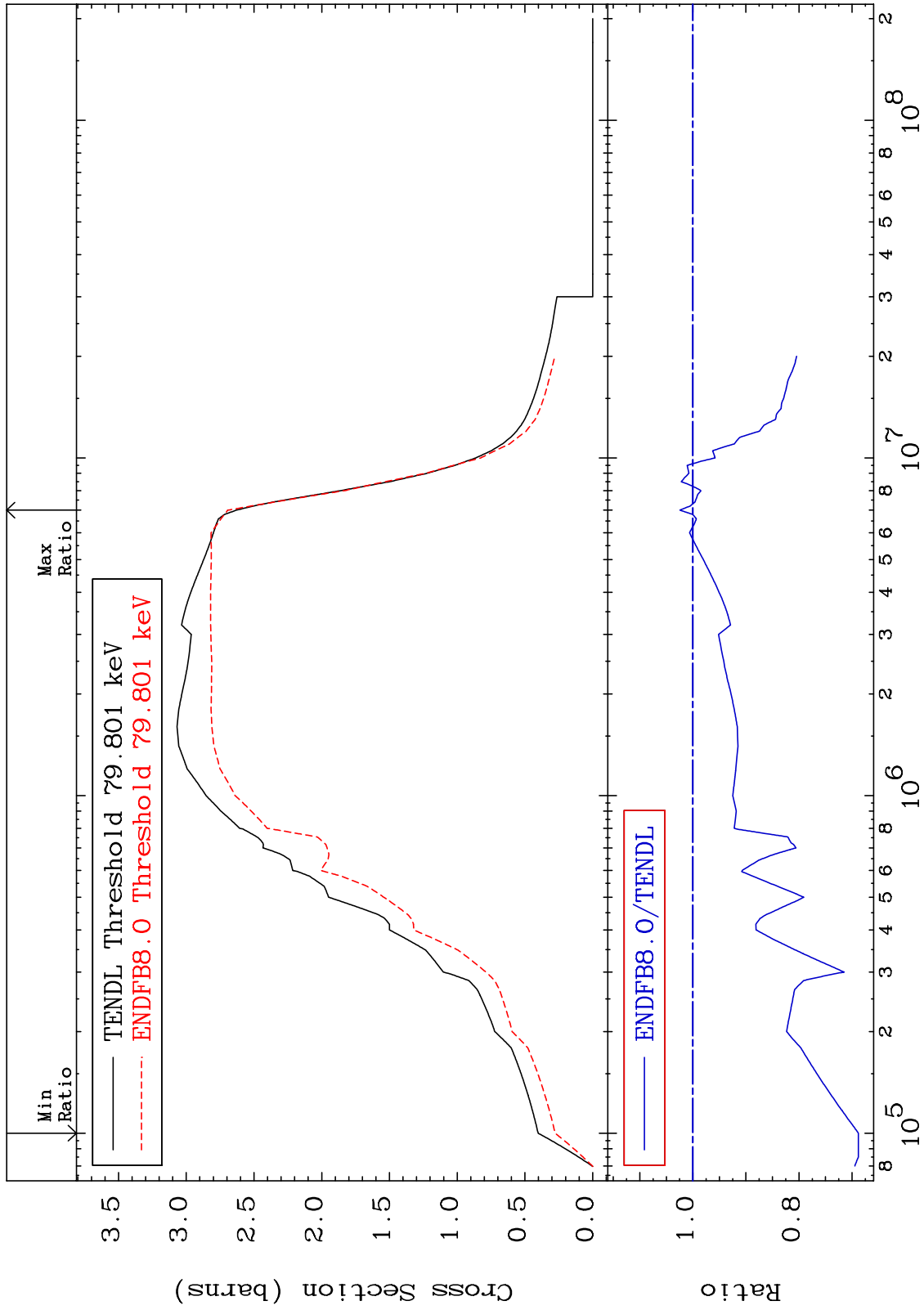


2

Incident Energy (eV)

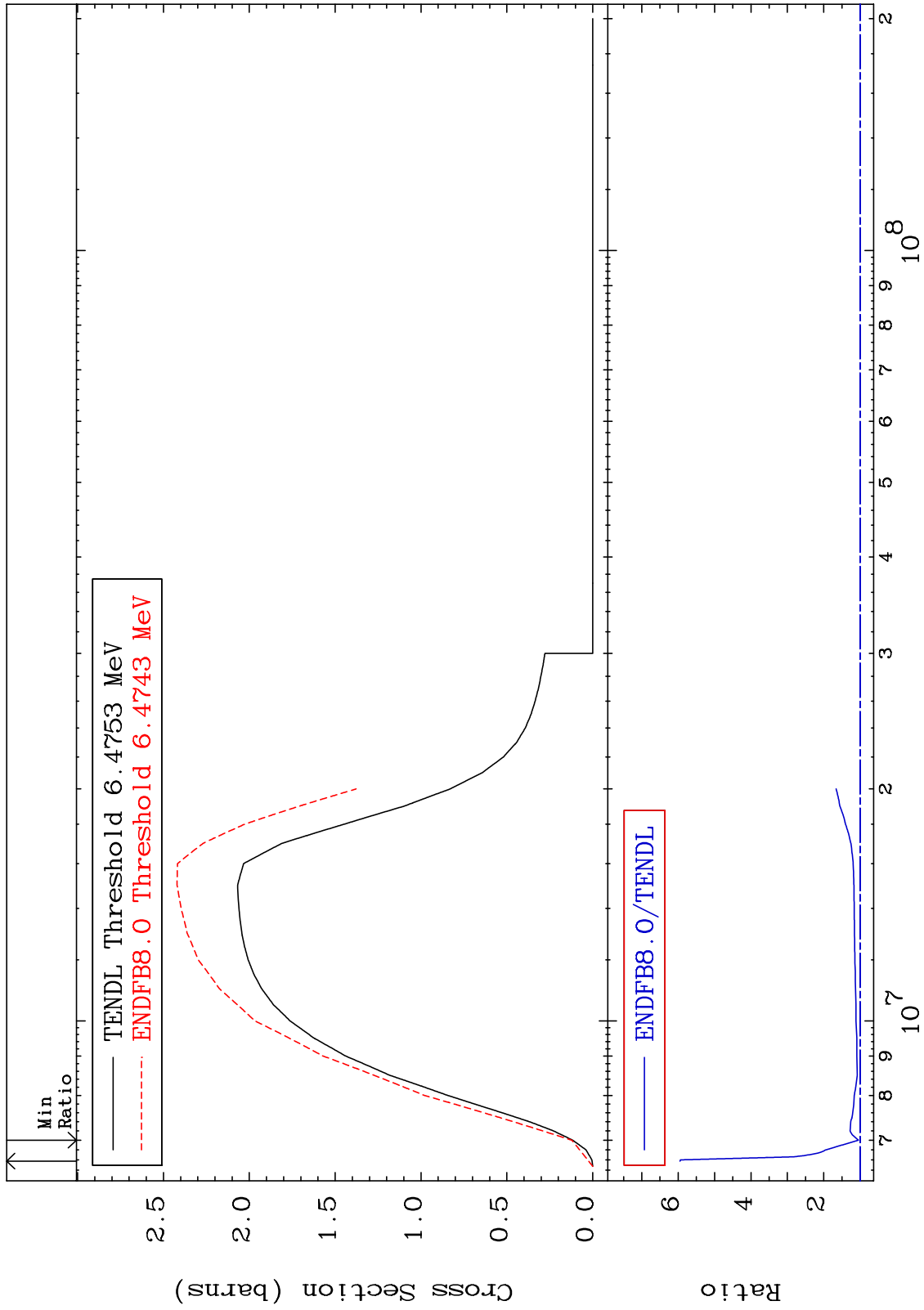
68-Er-167

MAT 6840 Inelastic Cross Section 68-Er-167 -31.20 To 2.423 %



3 Incident Energy (eV) 68-Er-167

MAT 6840 (n,2n) Cross Section 68-Er-167 To 495.0 %  
4.665



4 Incident Energy (eV) 68-Er-167

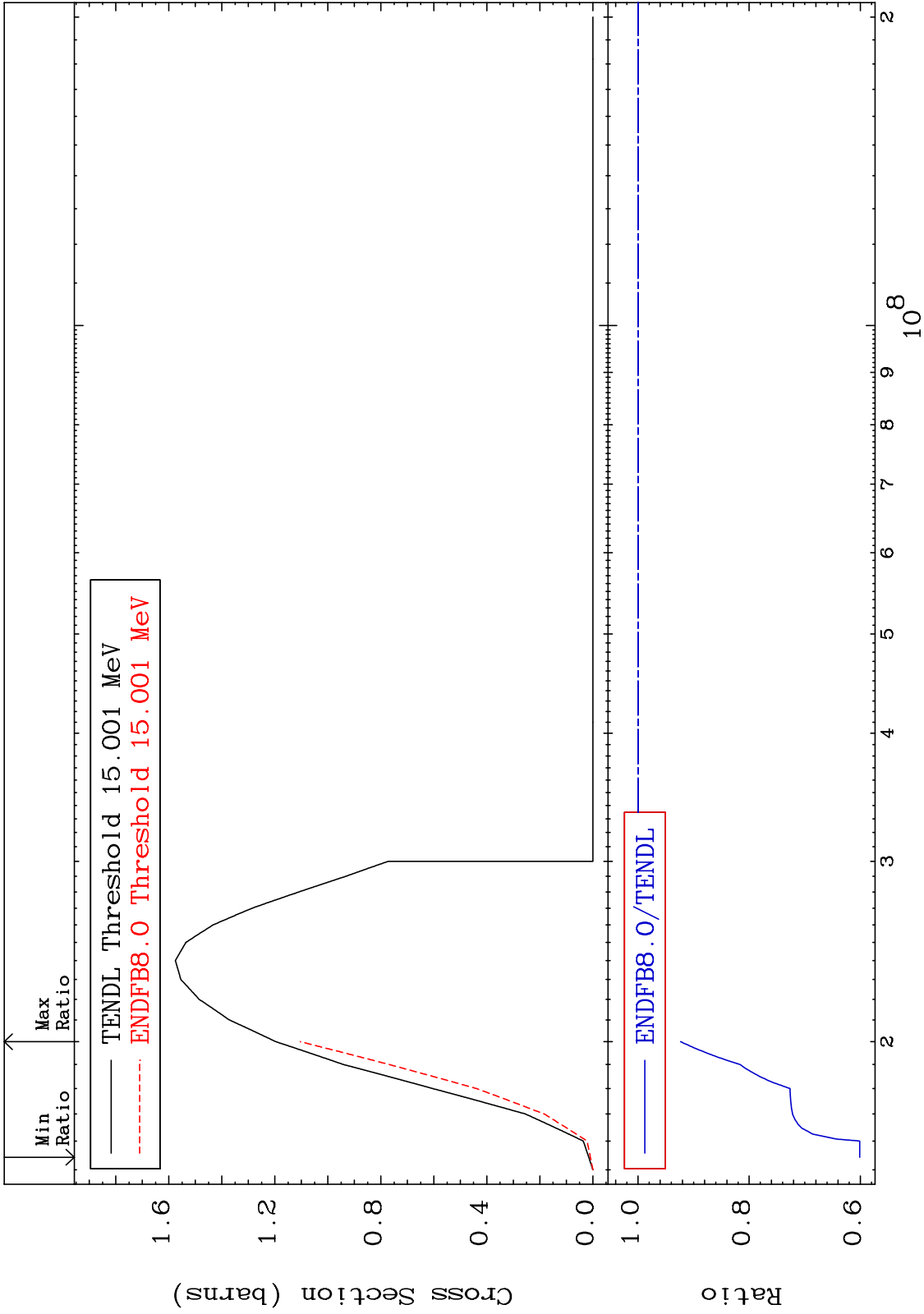
MAT 6840

(n, 3n)

68-Er-167

Cross Section

-39.89 To -7.664%



5

Incident Energy (eV)

68-Er-167

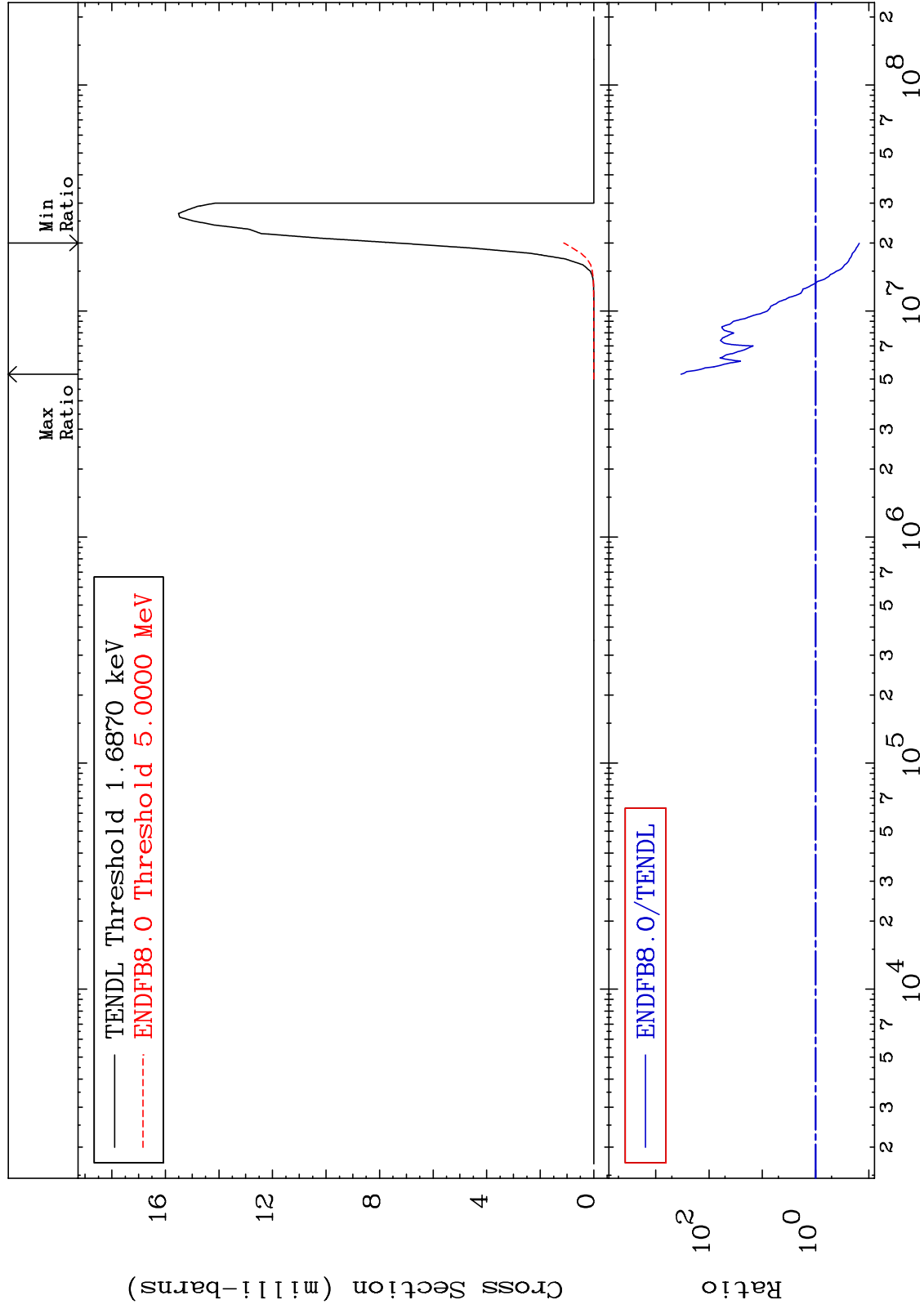
MAT 6840

(n,n')  $\alpha$

Cross Section

68-Er-167

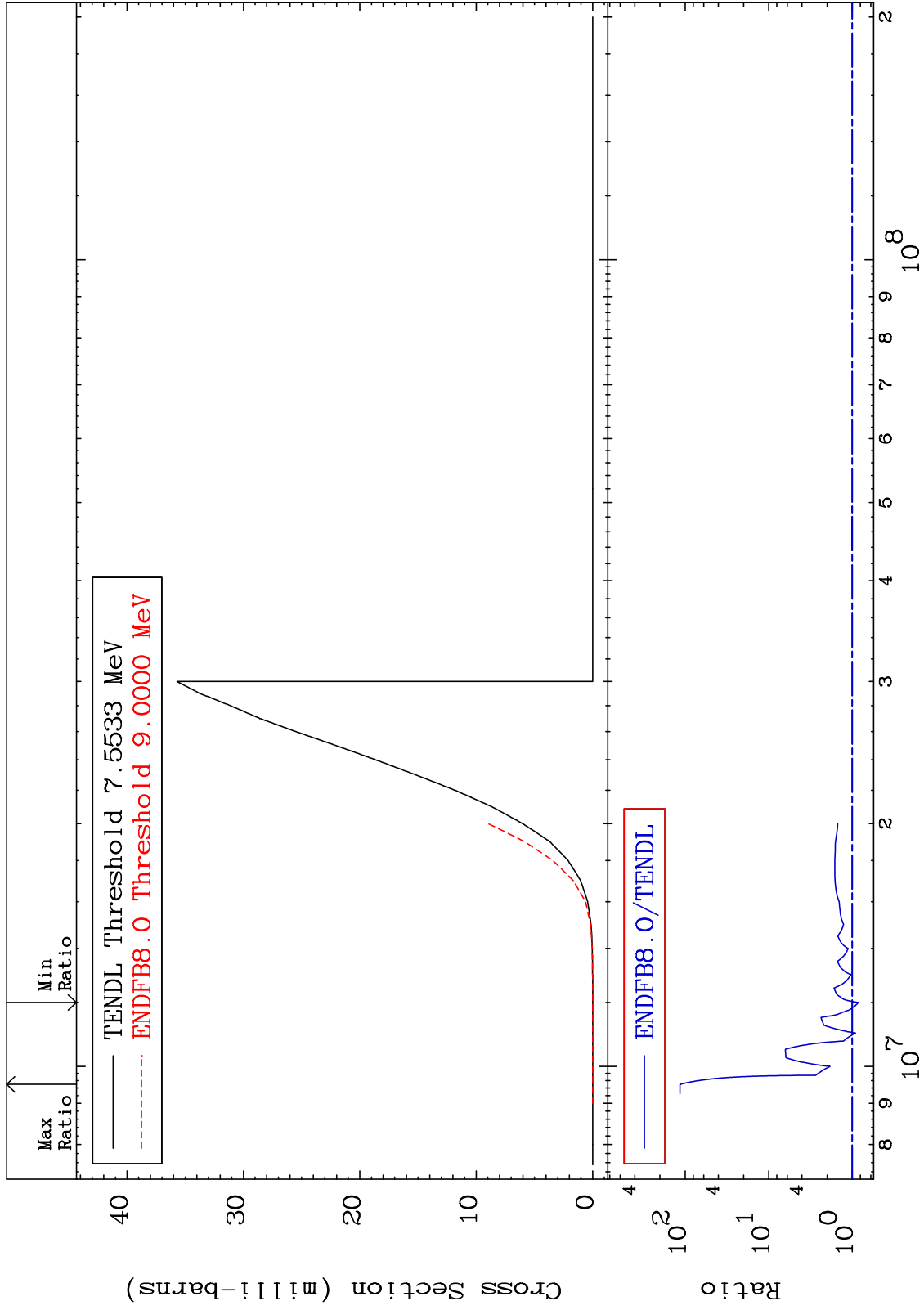
-84.86 To 9999. %



MAT 6840

(n,n') p  
Cross Section

68-Er-167  
-15.56 To 9999. %





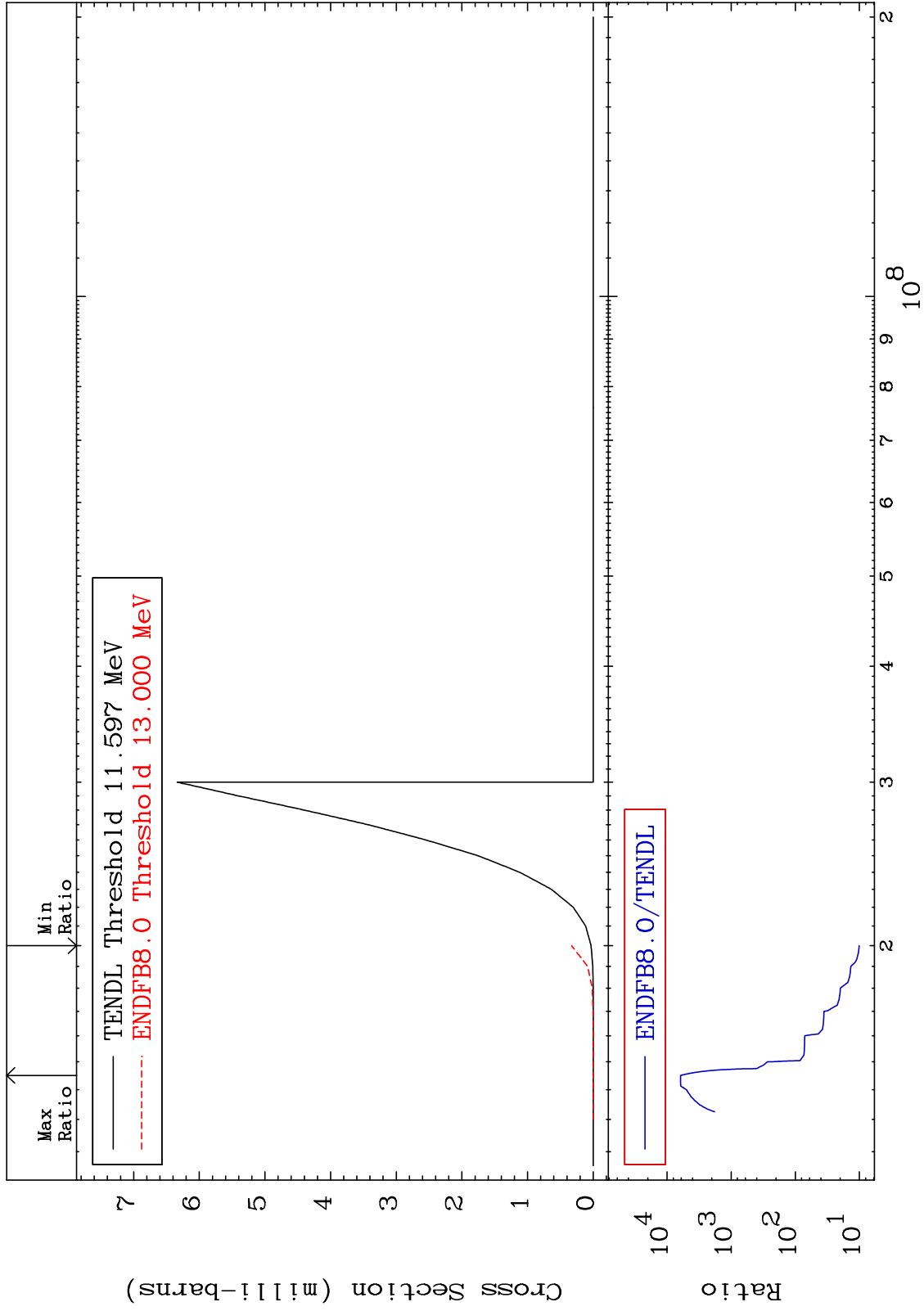
MAT 6840

(n,n') d

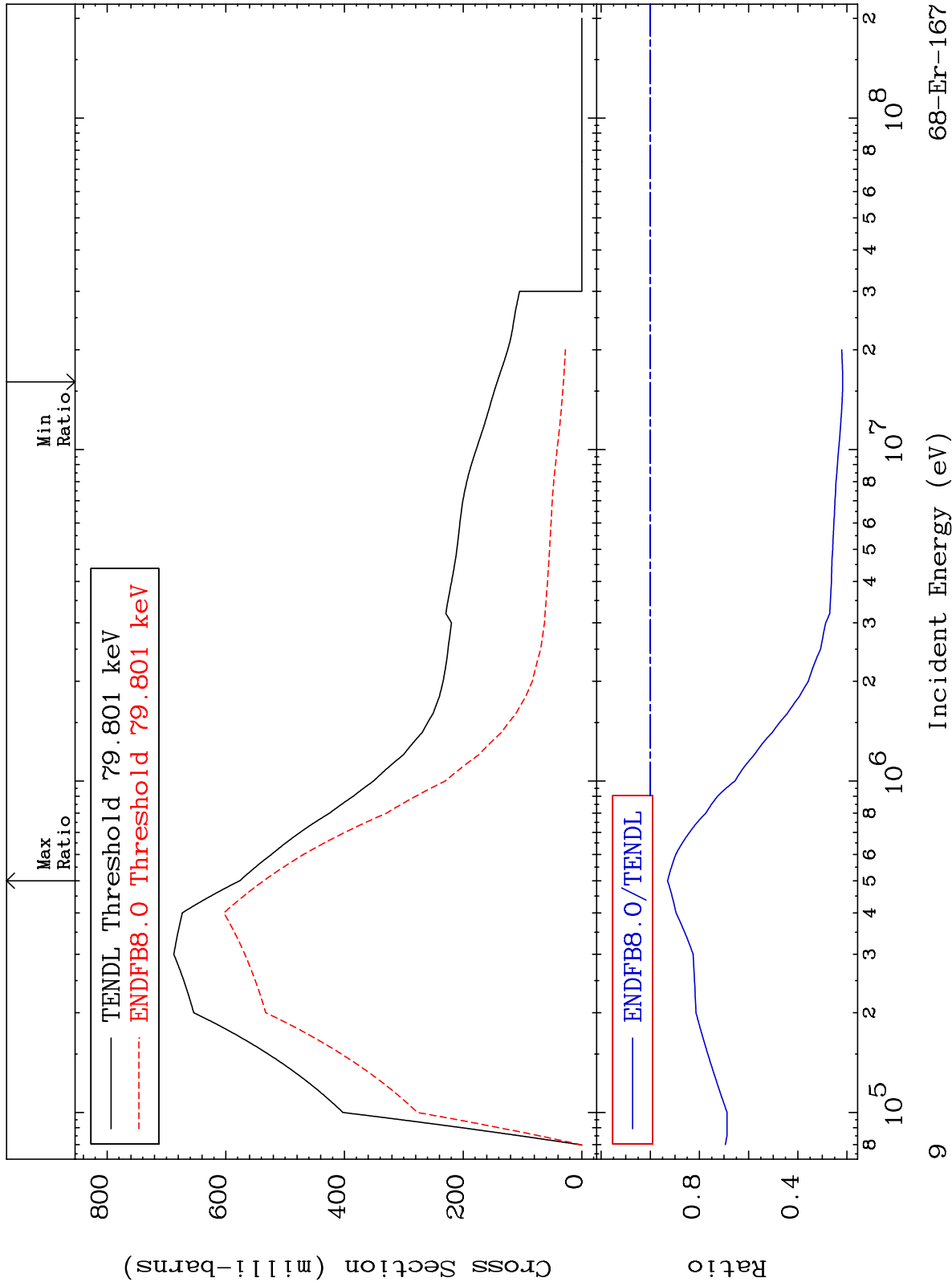
68-Er-167

Cross Section

909.5 To 9999. %

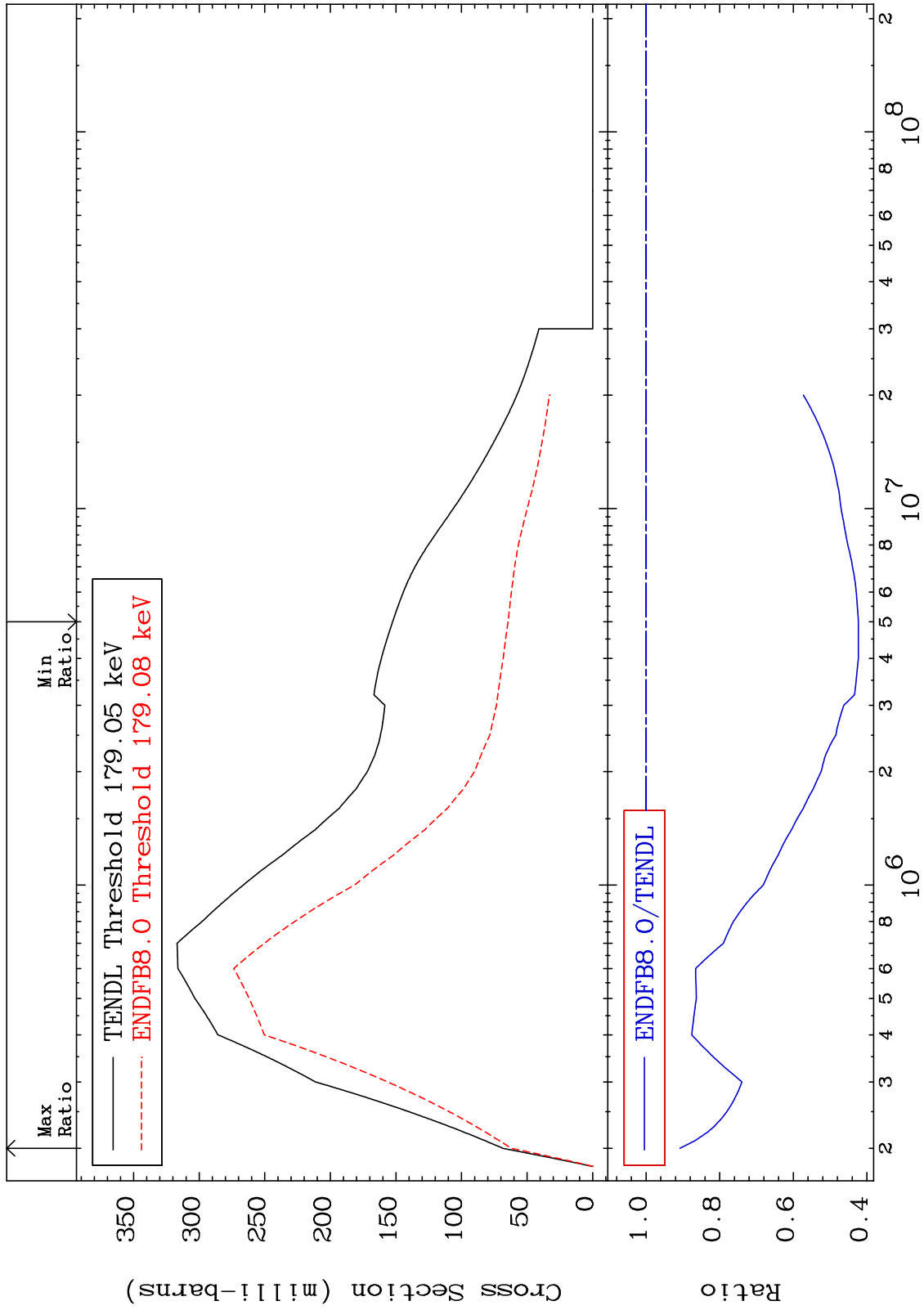


MAT 6840 MT= 51 (n,n') Level Cross Section 68-Er-167 -78.26 To -7.003%



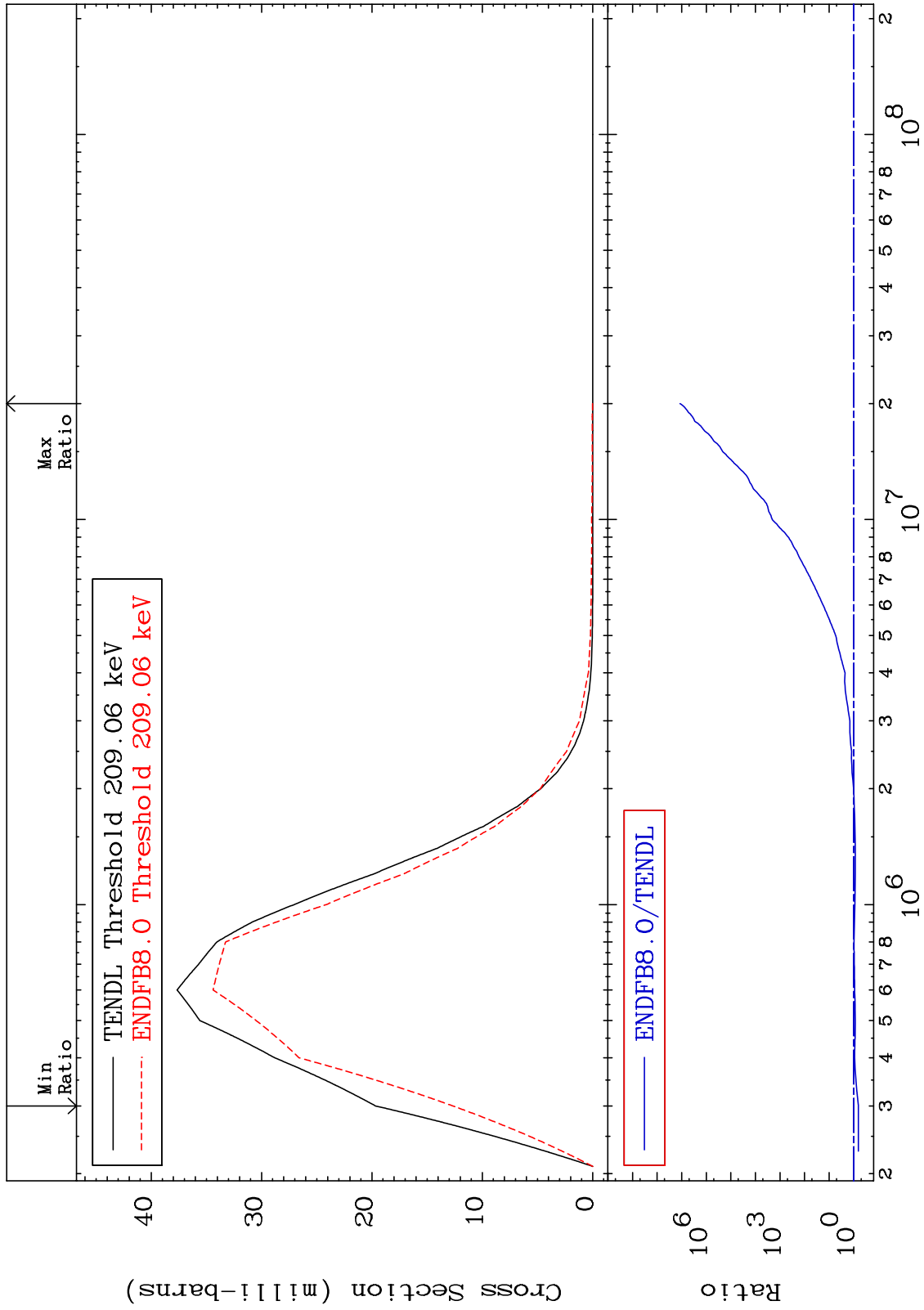
68-Er-167

MAT 6840      MT= 52 (n,n') Level      68-Er-167  
 Cross Section      -57.69 To -9.216%

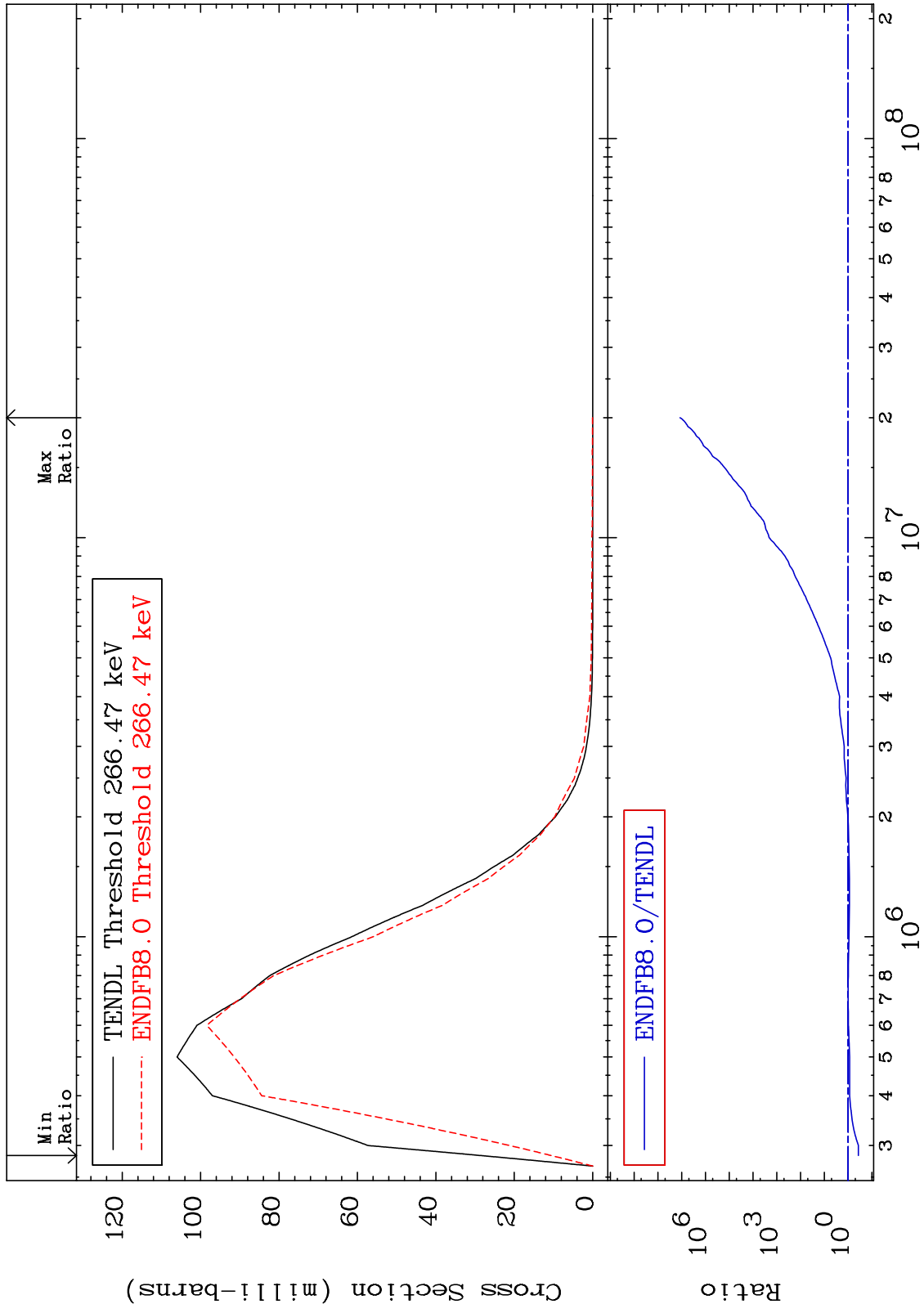


10      Incident Energy (eV)      68-Er-167

MAT 6840      MT= 53 (n,n') Level Cross Section      68-Er-167  
 -35.61 To 9999. %



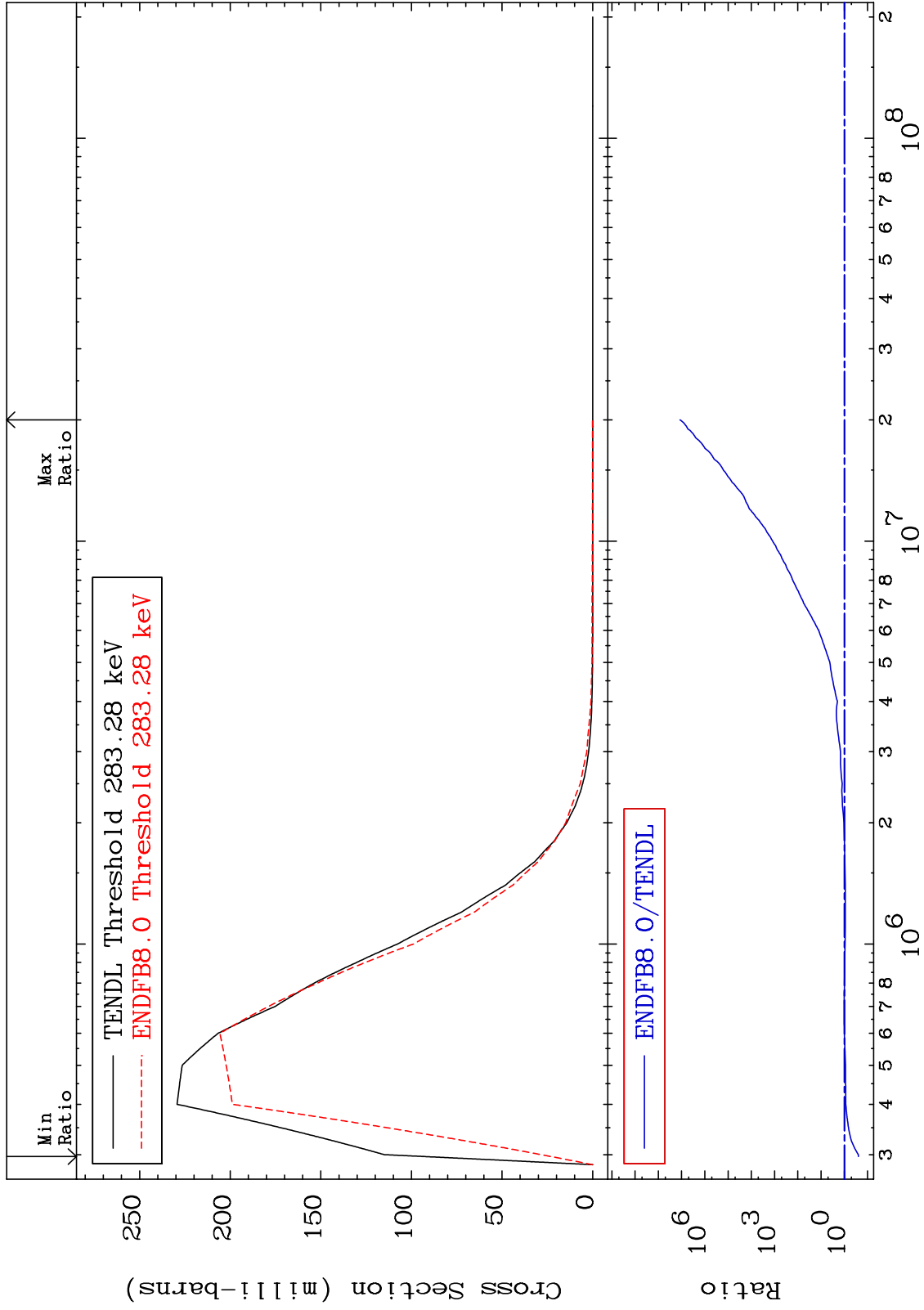
MAT 6840      MT= 54 (n,n') Level Cross Section      68-Er-167  
 -63.04 To 9999. %



MAT 6840

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

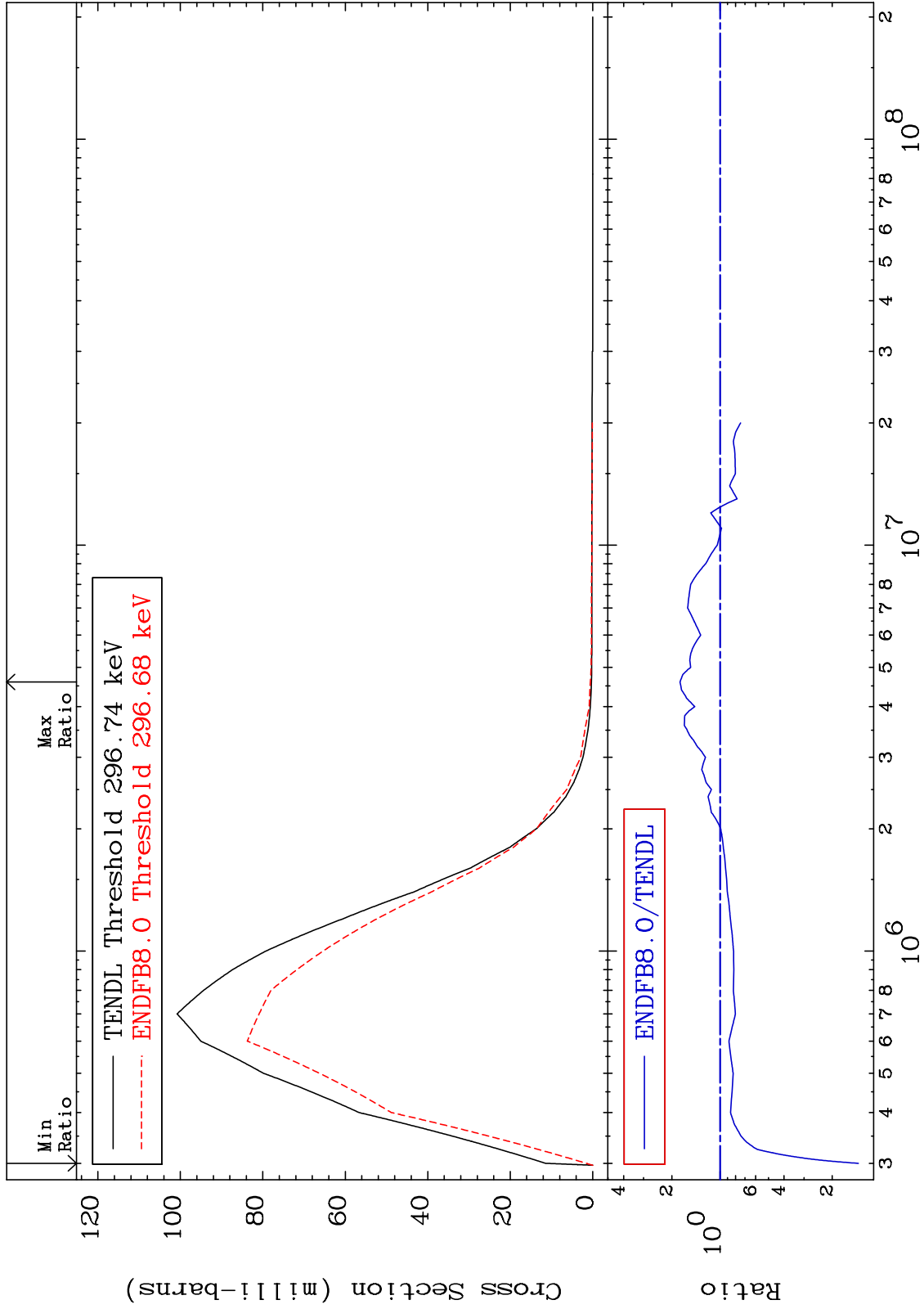
68-Er-167  
-75.27 To 9999. %



MAT 6840

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

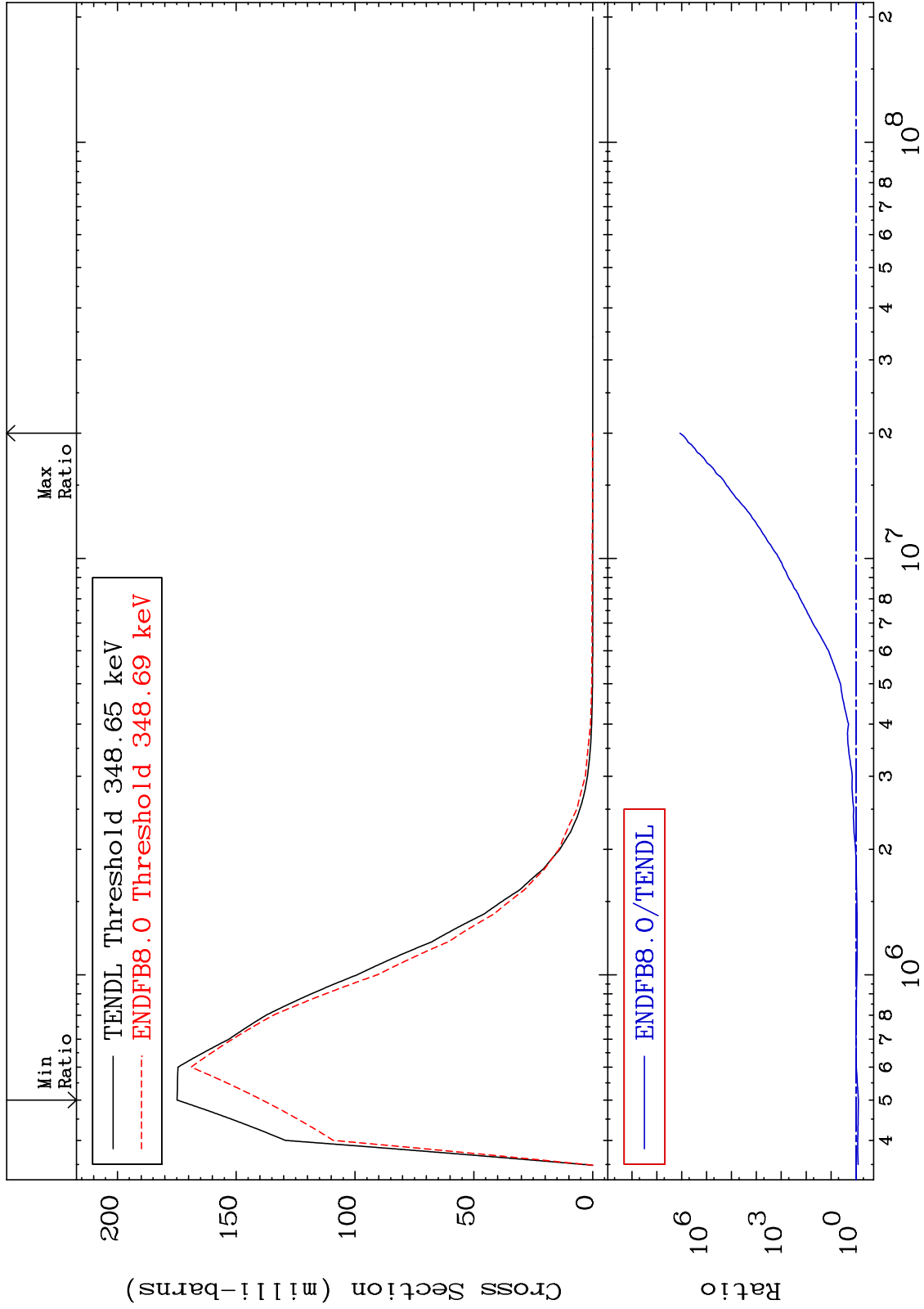
68-Er-167  
-86.27 To 77.89 %



MAT 6840

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

68-Er-167  
-20.49 To 9999. %



15

Incident Energy (eV)

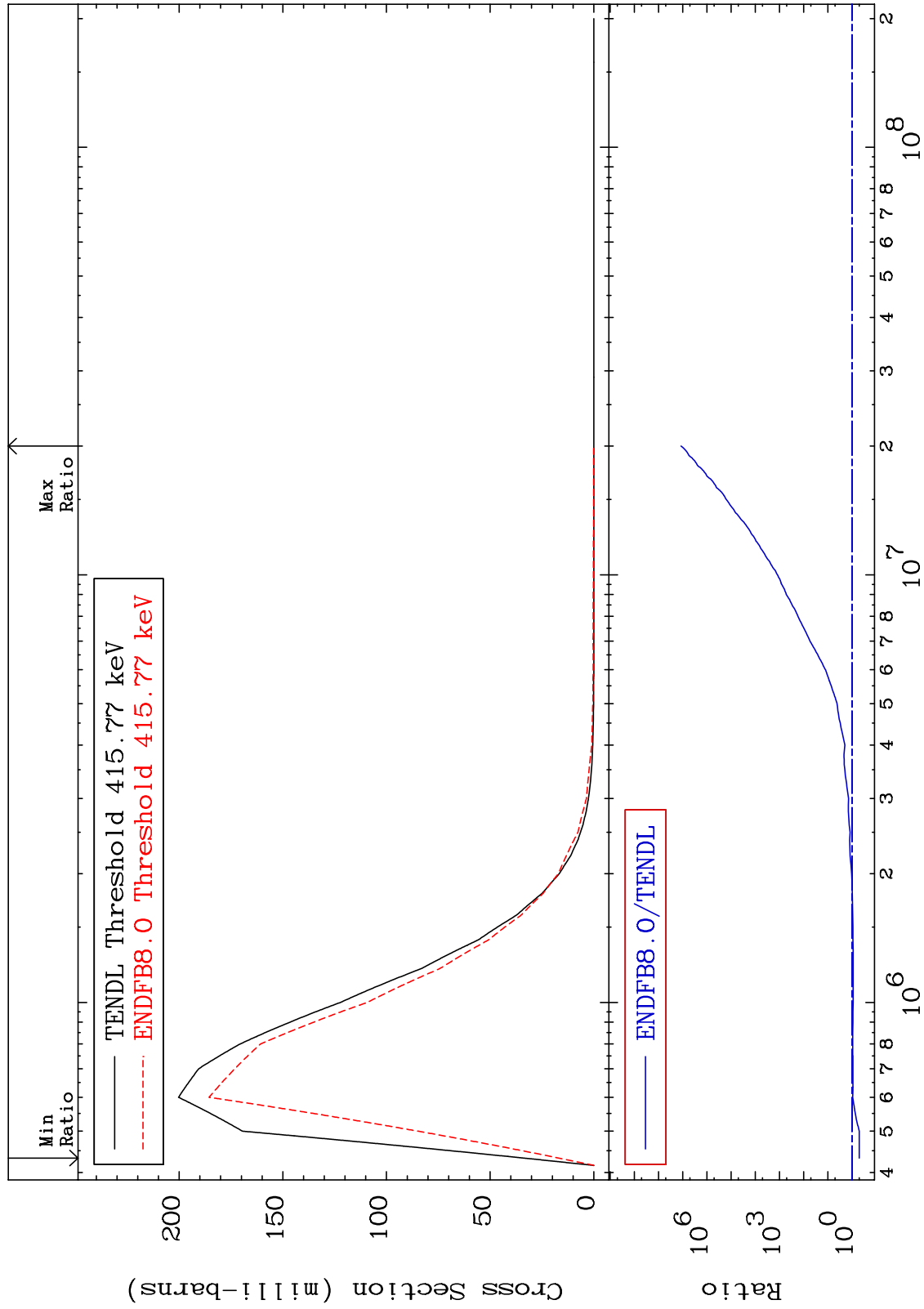
68-Er-167



MAT 6840

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

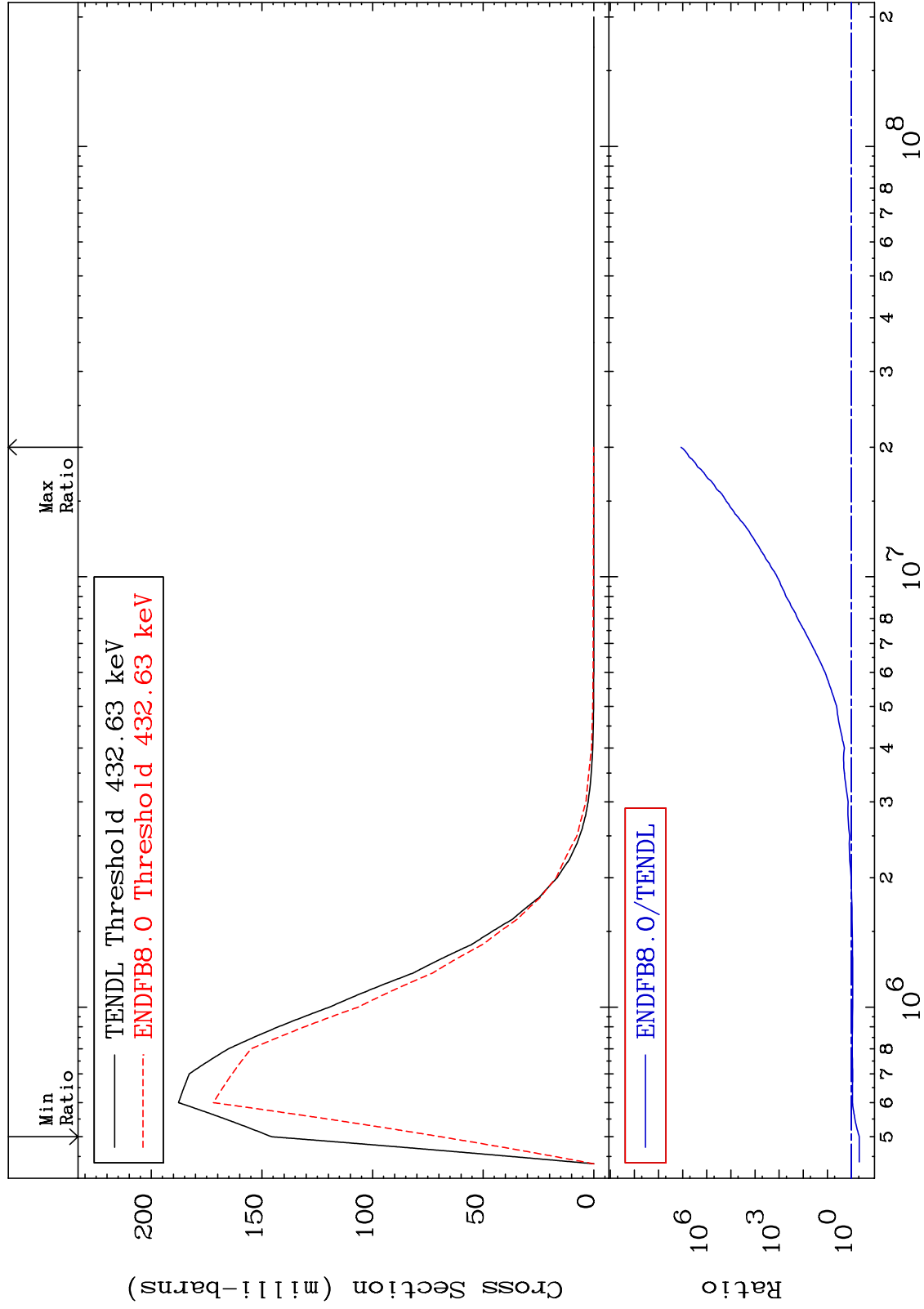
68-Er-167  
-50.02 To 9999. %



MAT 6840

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

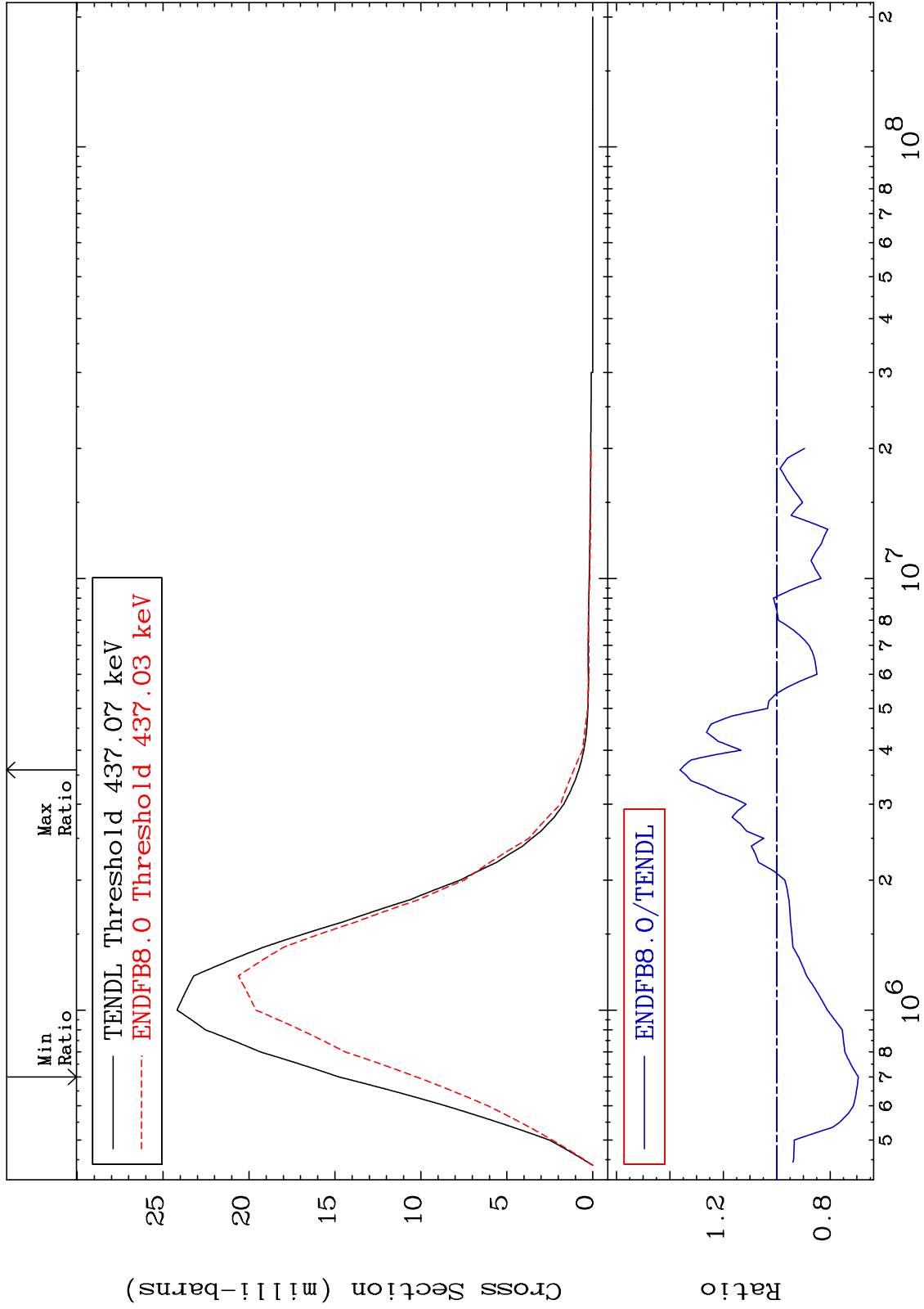
68-Er-167  
-52.47 To 9999. %



MAT 6840

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

68-Er-167  
-30.57 To 36.19 %

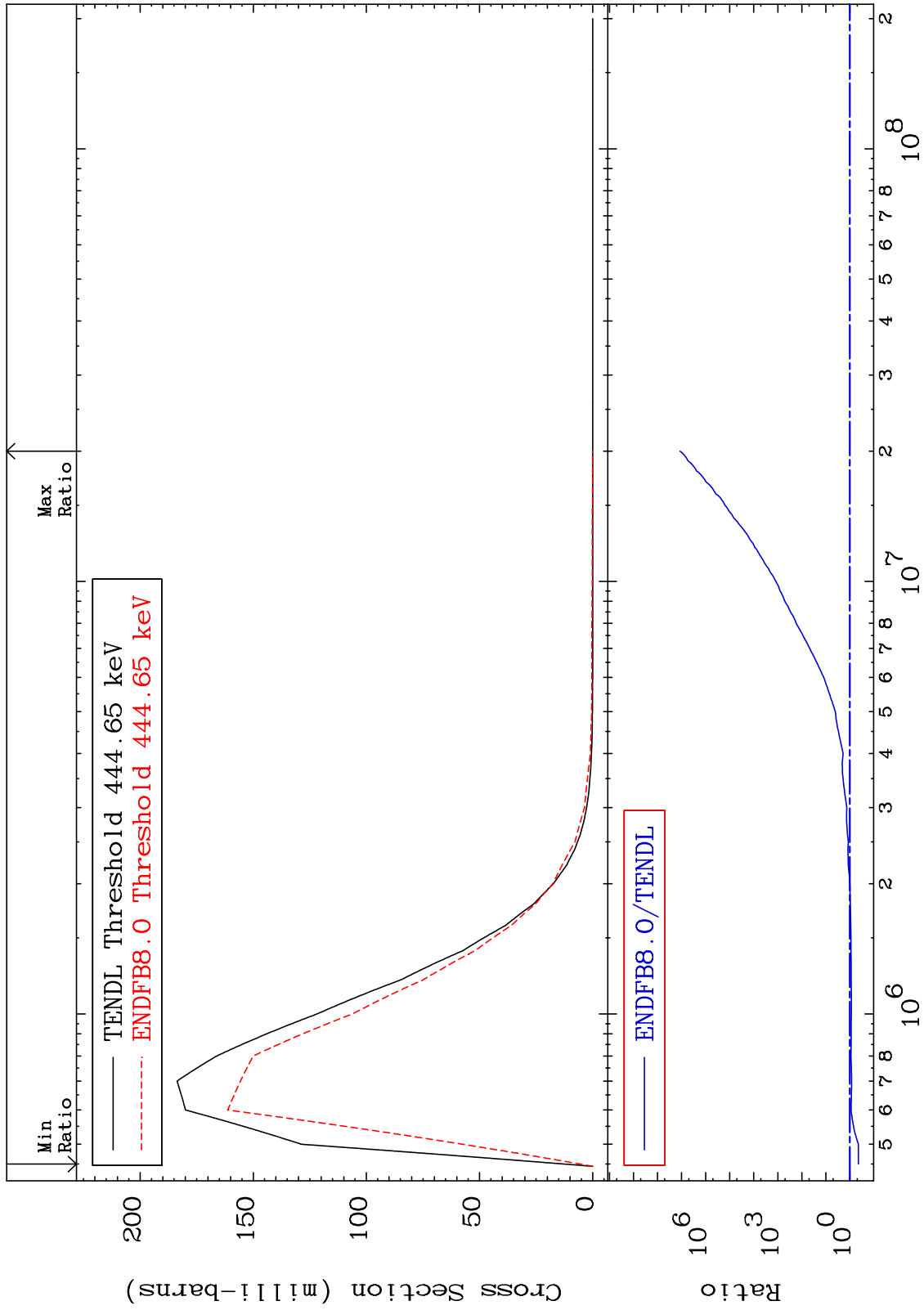


18

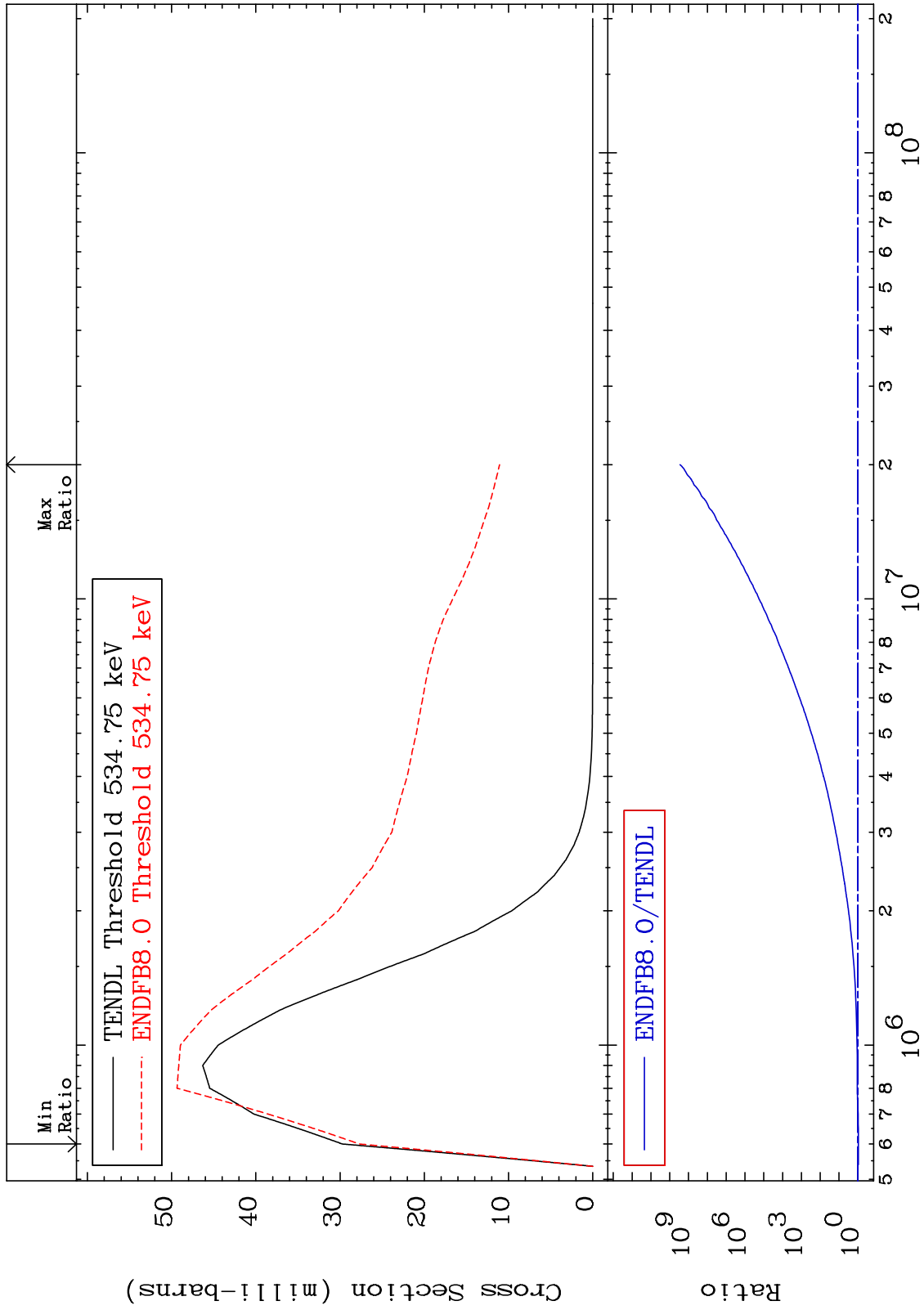
Incident Energy (eV)

68-Er-167

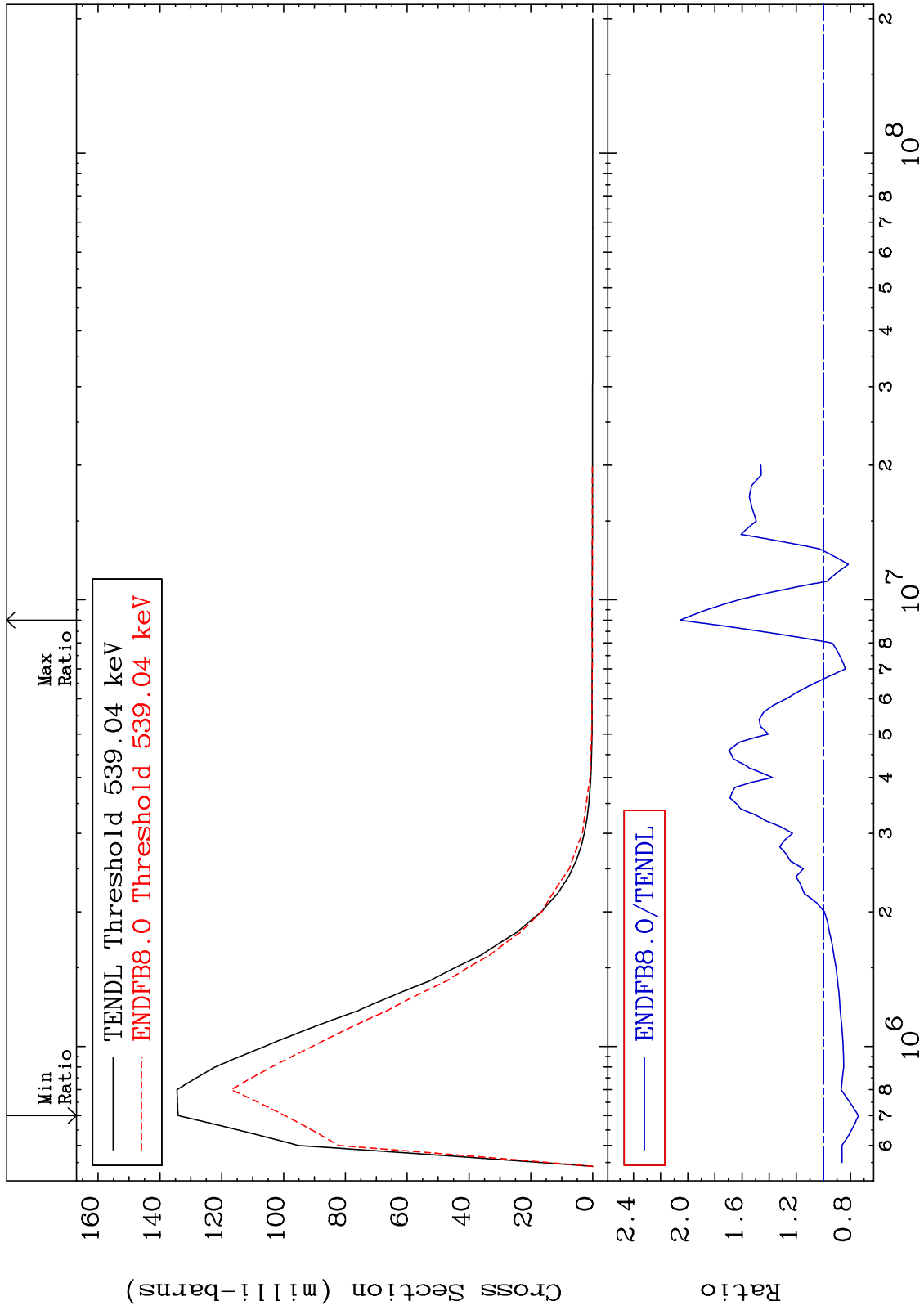
MAT 6840      MT= 61 (n,n') Level Cross Section      68-Er-167  
 -55.51 To 9999. %



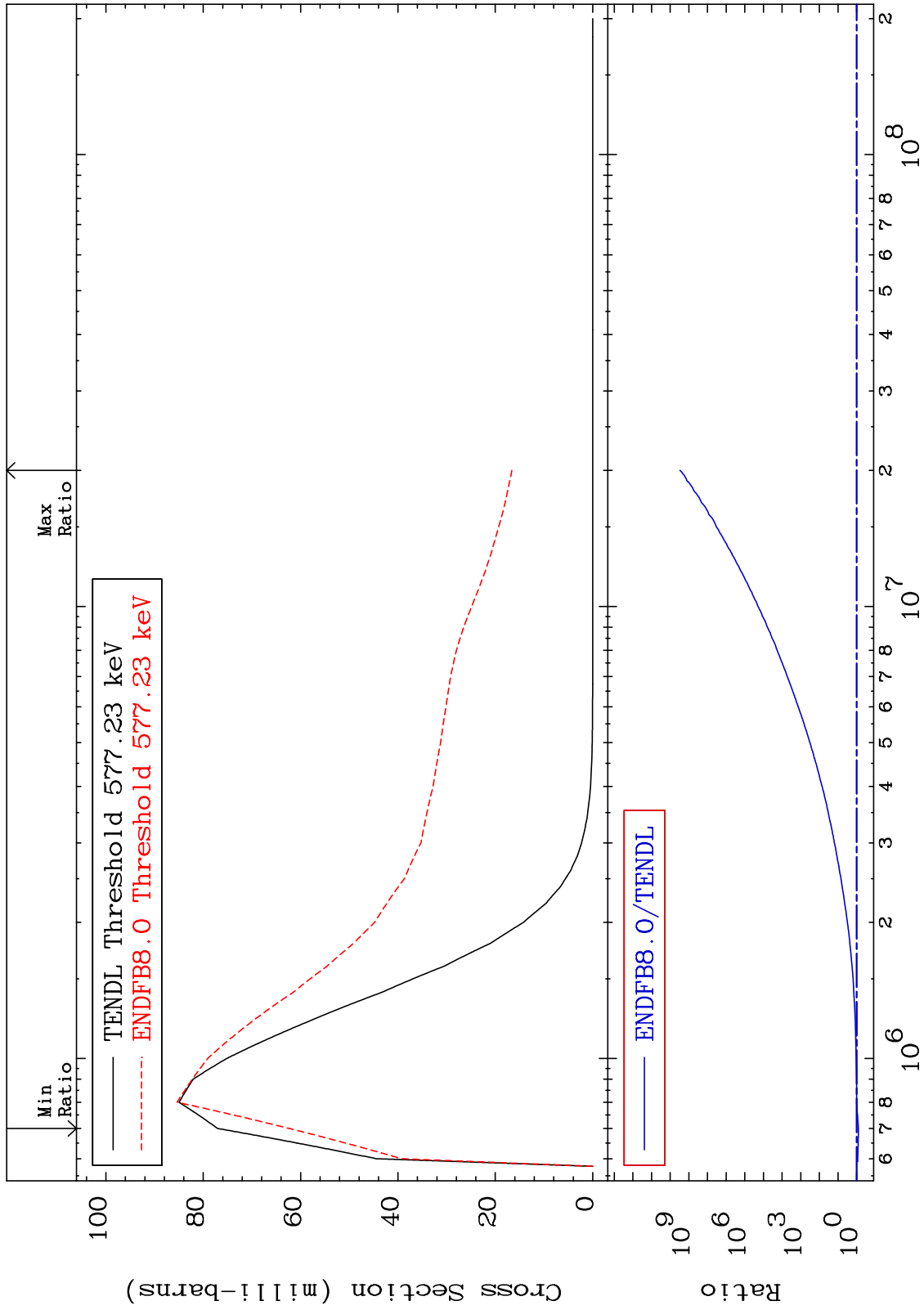
MAT 6840      MT= 62 (n,n') Level Cross Section      68-Er-167  
 -6.815 To 9999. %



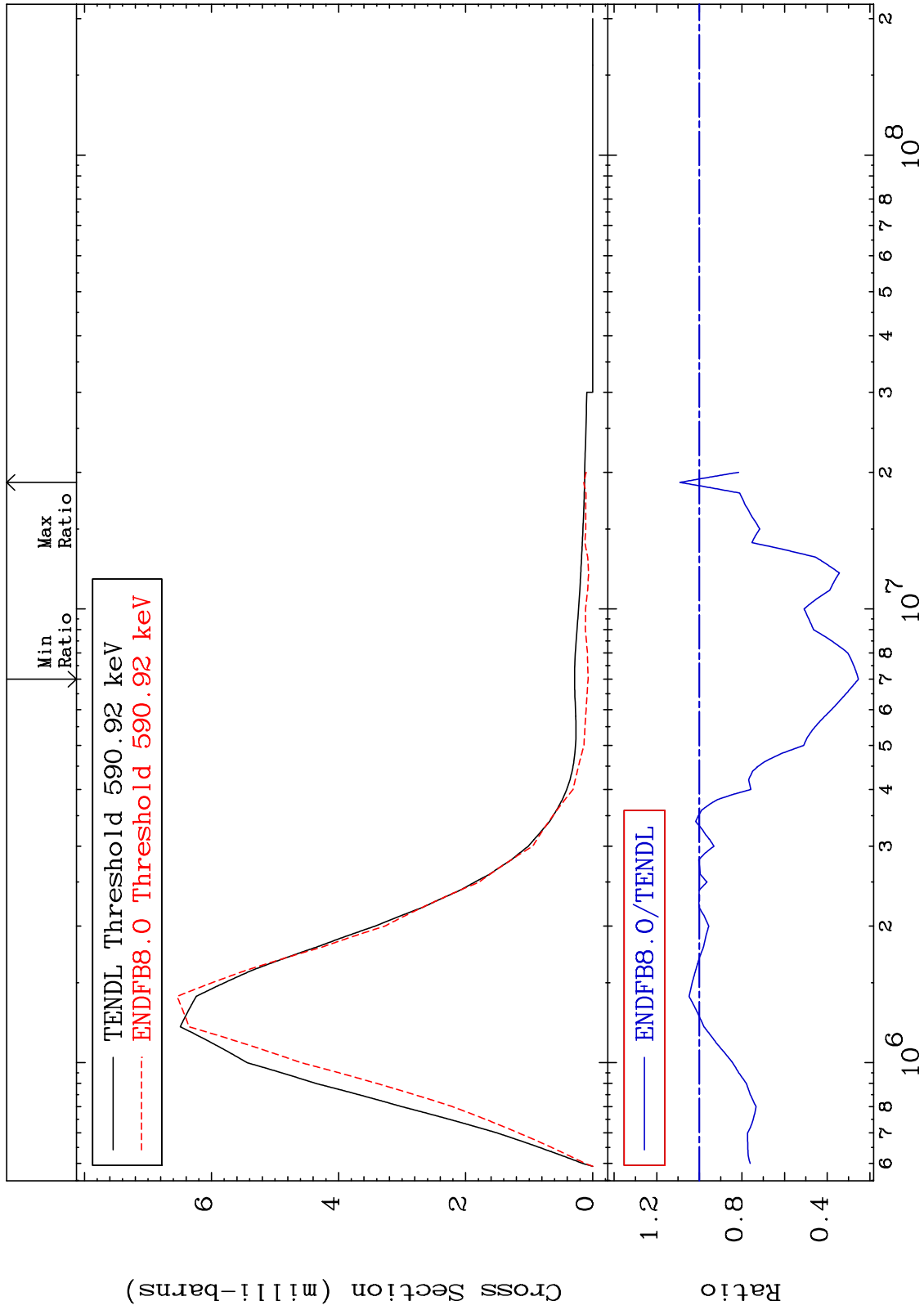
MAT 6840      MT= 63 (n,n') Level      68-Er-167  
 Cross Section      -25.78 To 105.7 %



MAT 6840      MT= 64 (n,n') Level      68-Er-167  
 Cross Section      -19.11 To 9999. %



MAT 6840      MT= 65 (n,n') Level      68-Er-167  
 Cross Section      -74.65 To 9.077 %

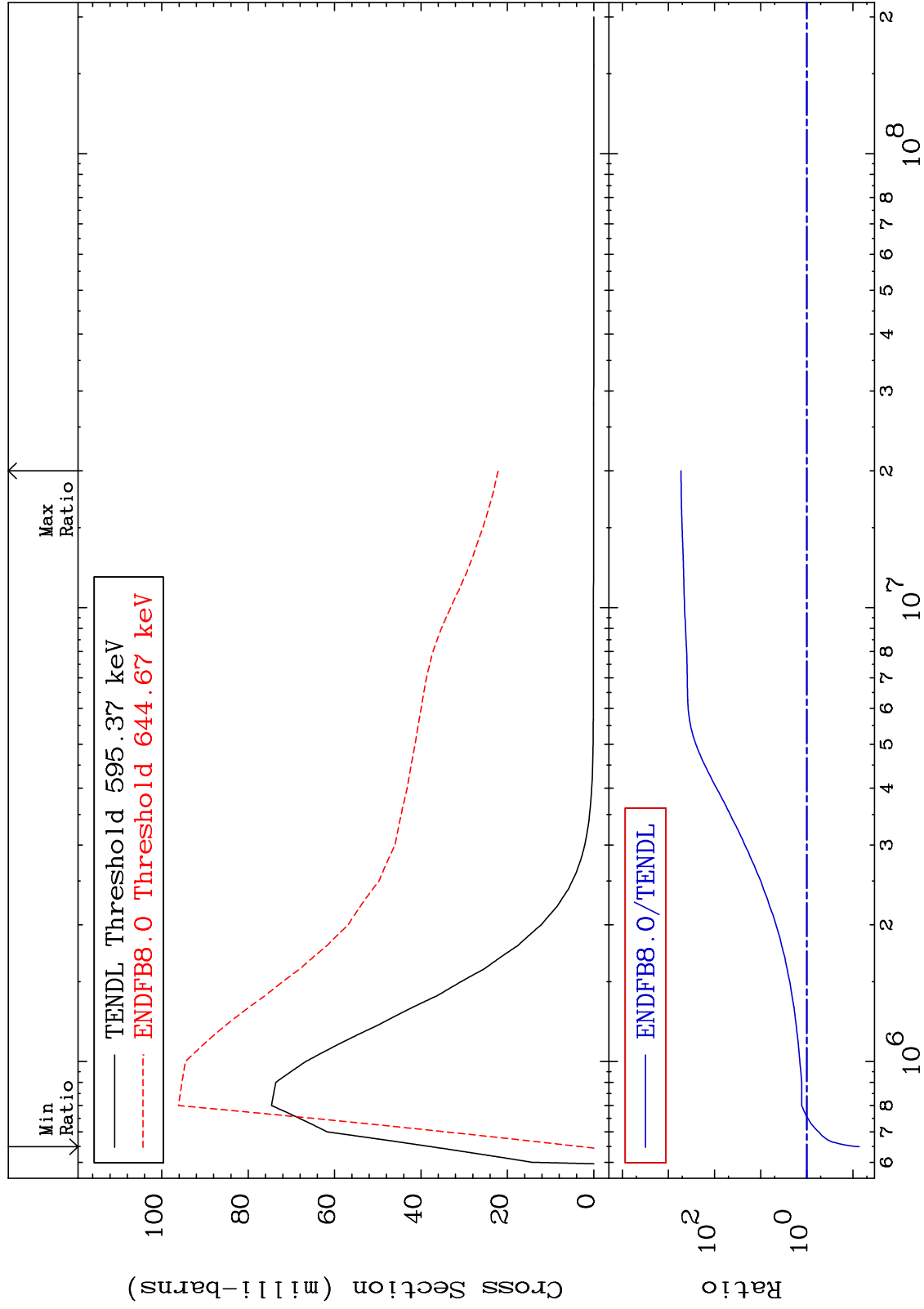




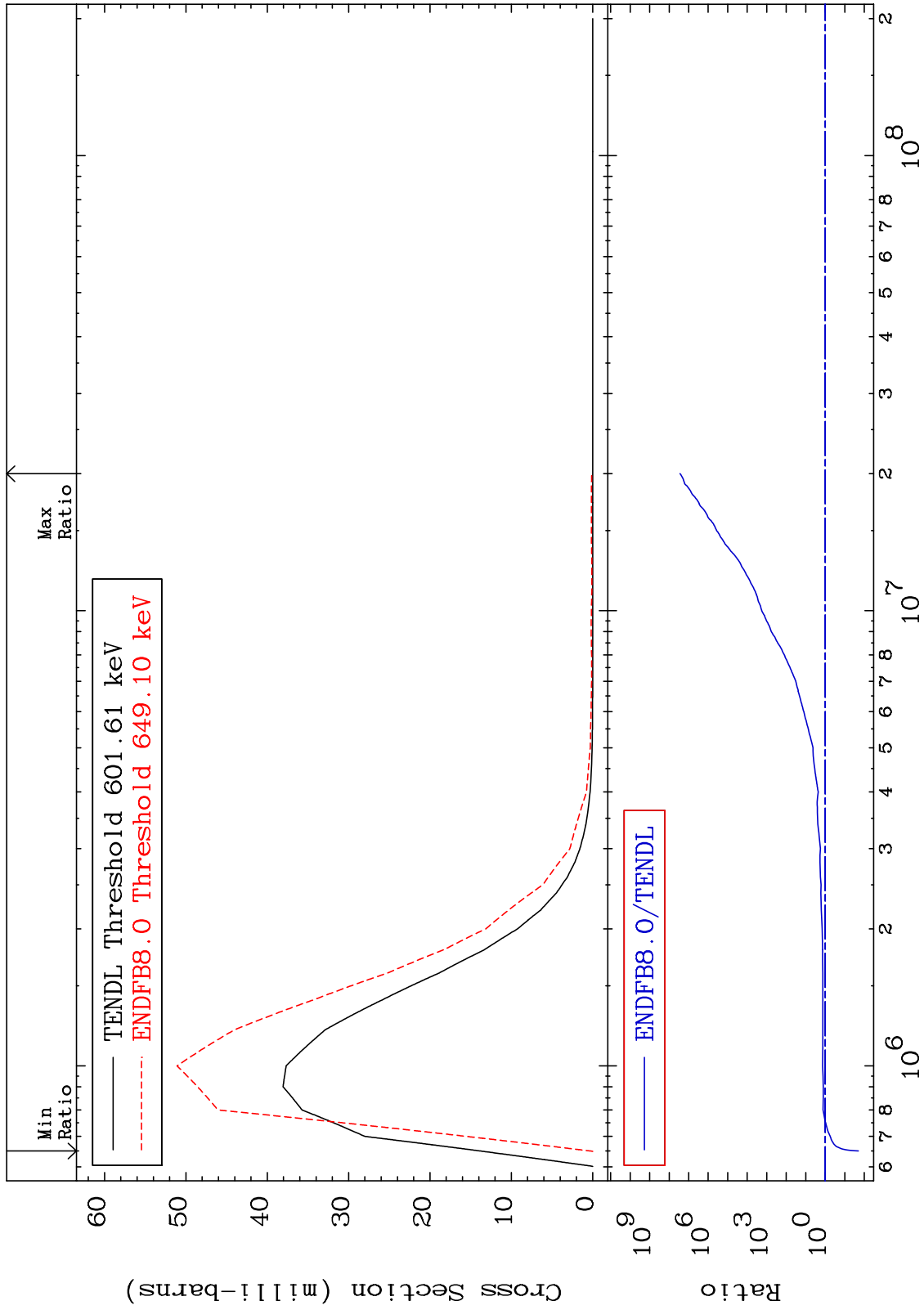
MAT 6840

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

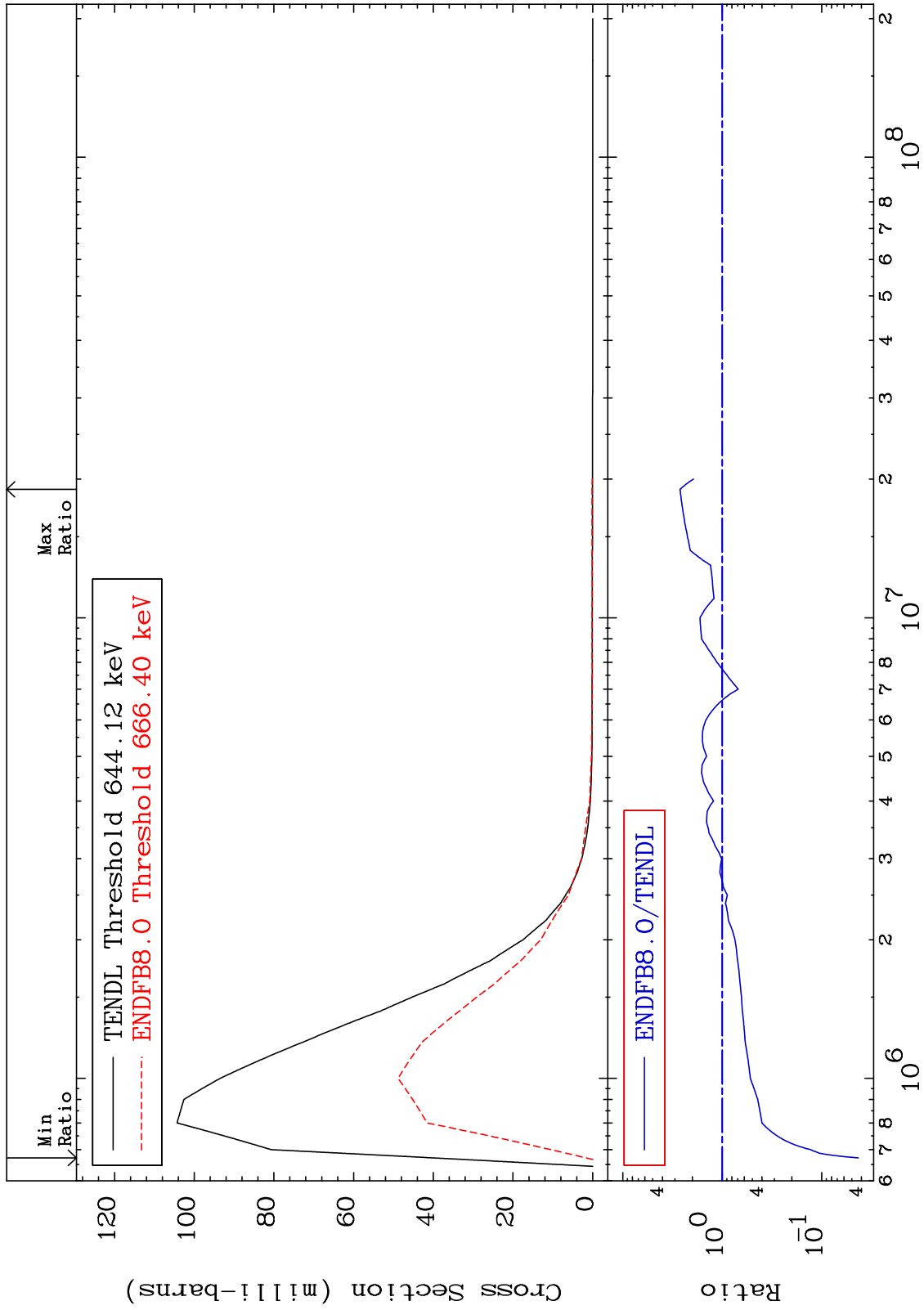
68-Er-167  
-92.71 To 9999. %



MAT 6840      MT= 67 (n,n') Level Cross Section      68-Er-167  
 -98.00 To 9999. %



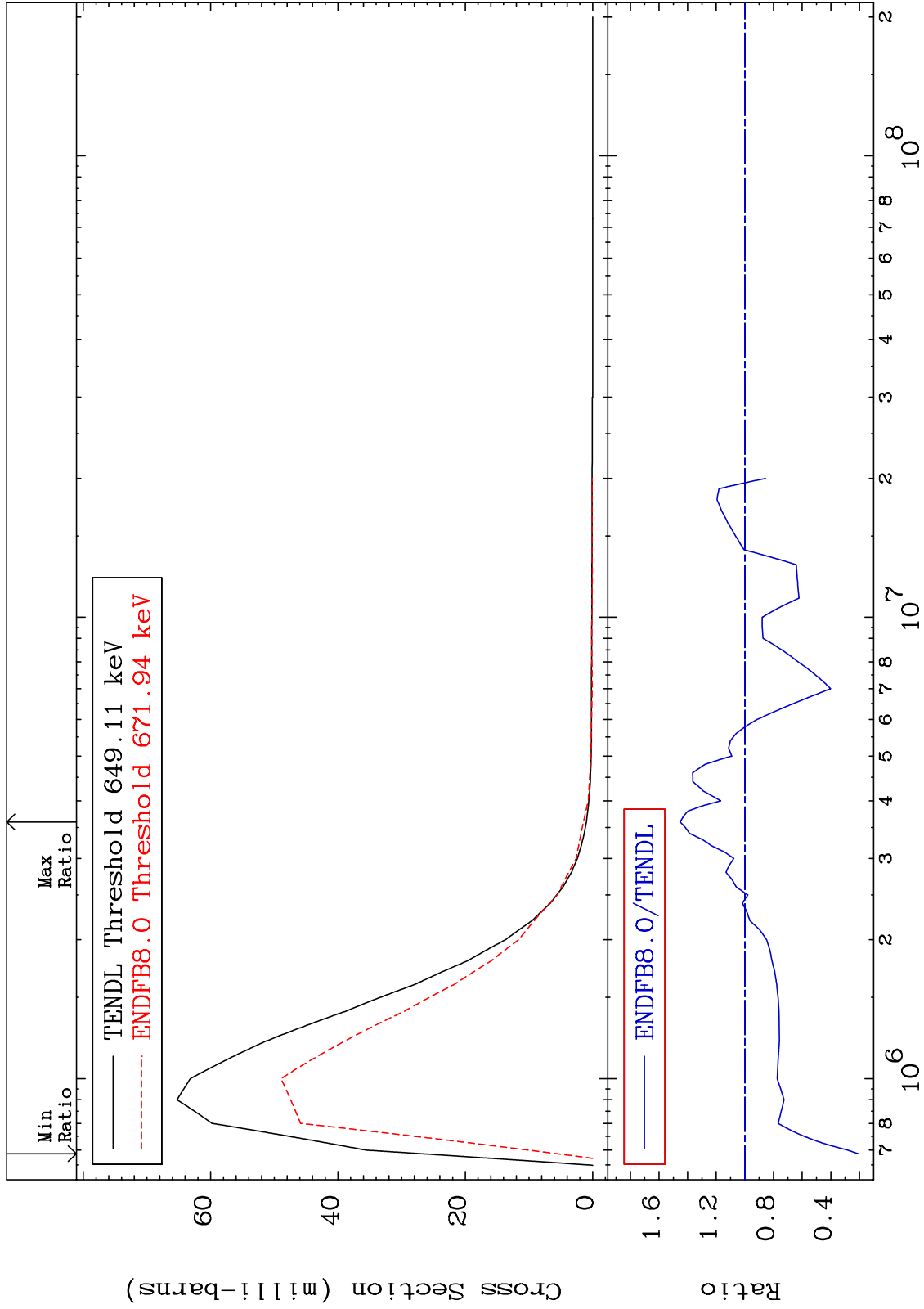
MAT 6840      MT= 68 (n,n') Level      68-Er-167  
 Cross Section      -95.71 To 166.0 %



MAT 6840

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

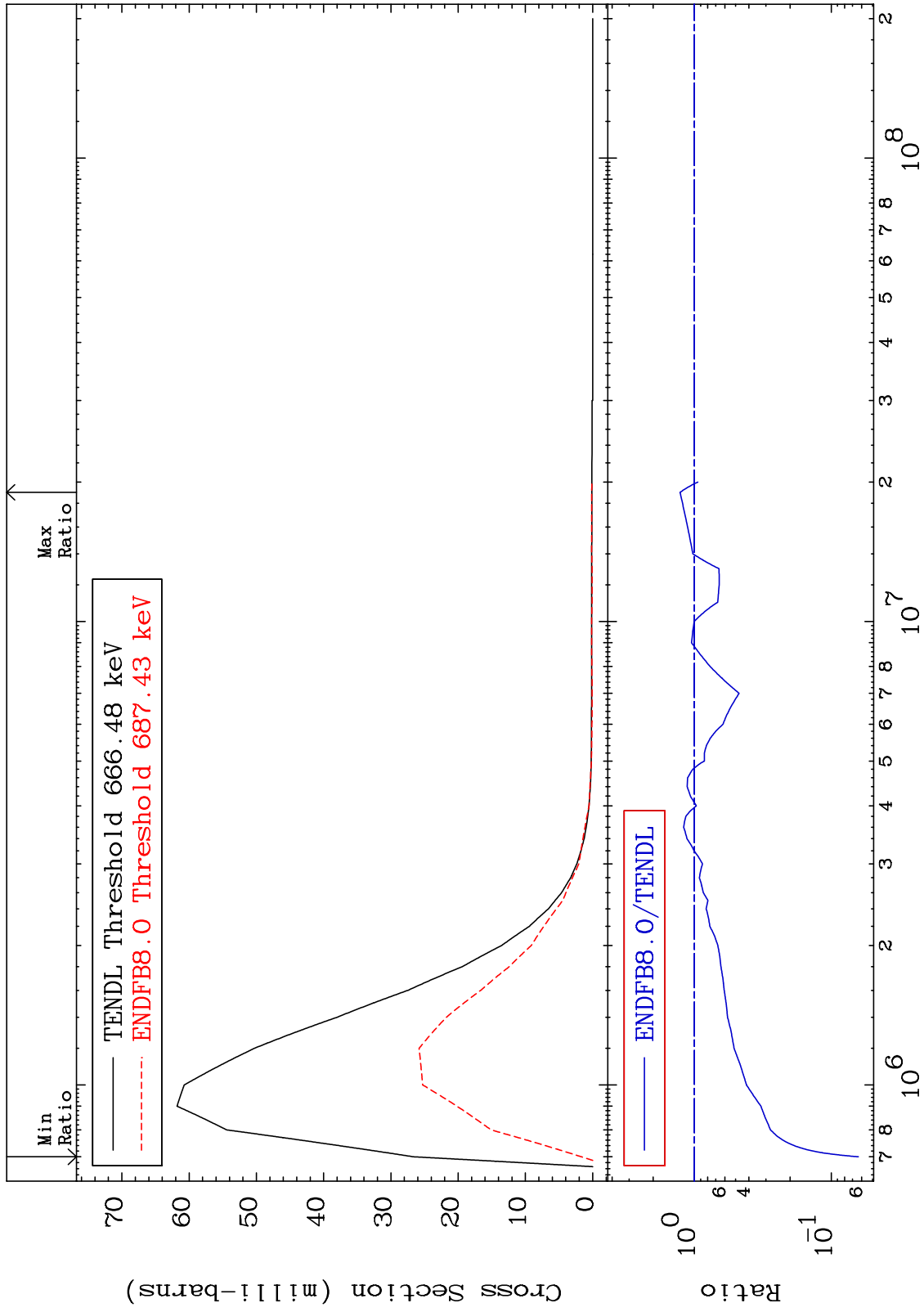
68-Er-167  
-79.29 To 45.32 %



MAT 6840

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

68-Er-167  
-93.67 To 27.42 %



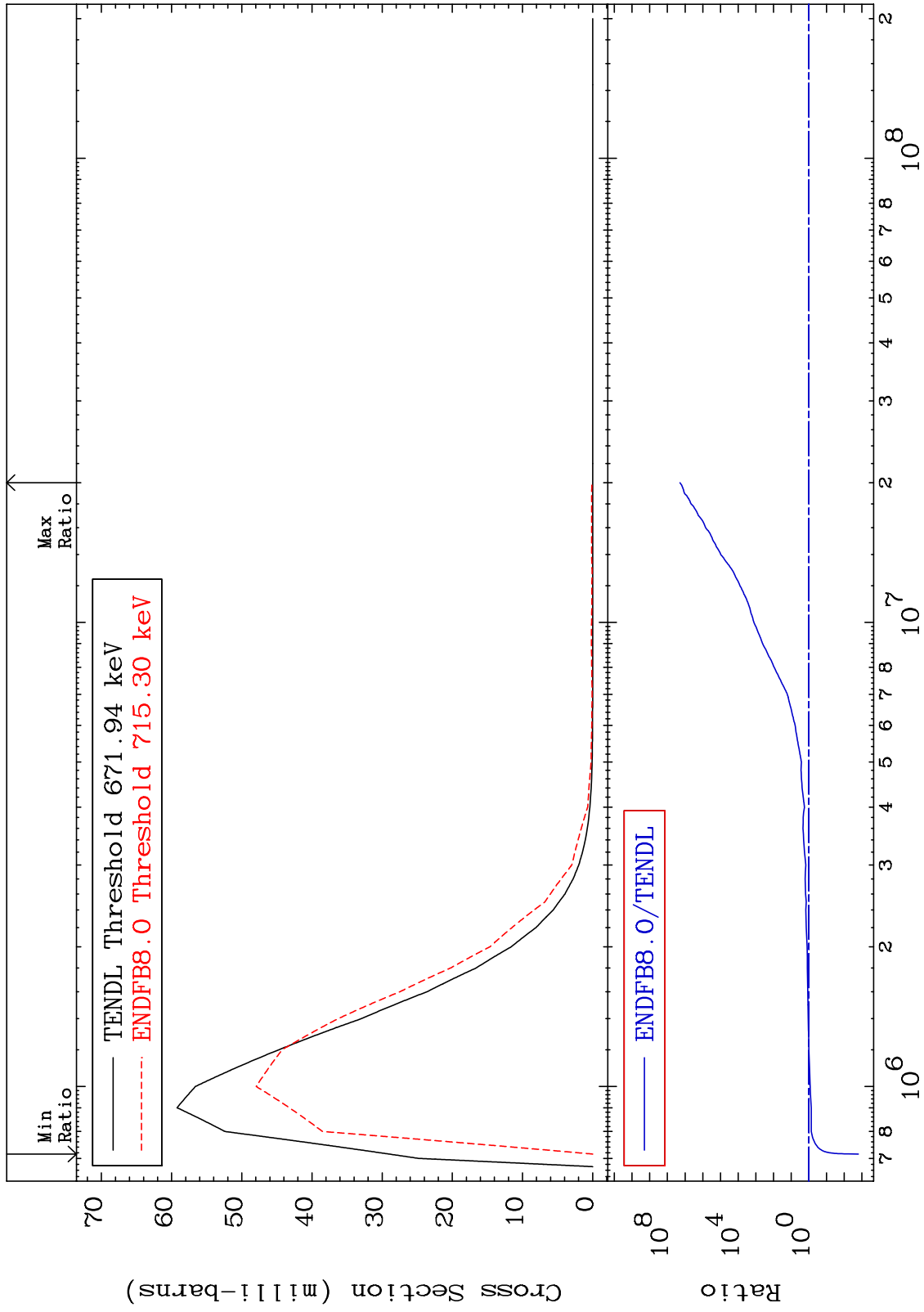
28

68-Er-167

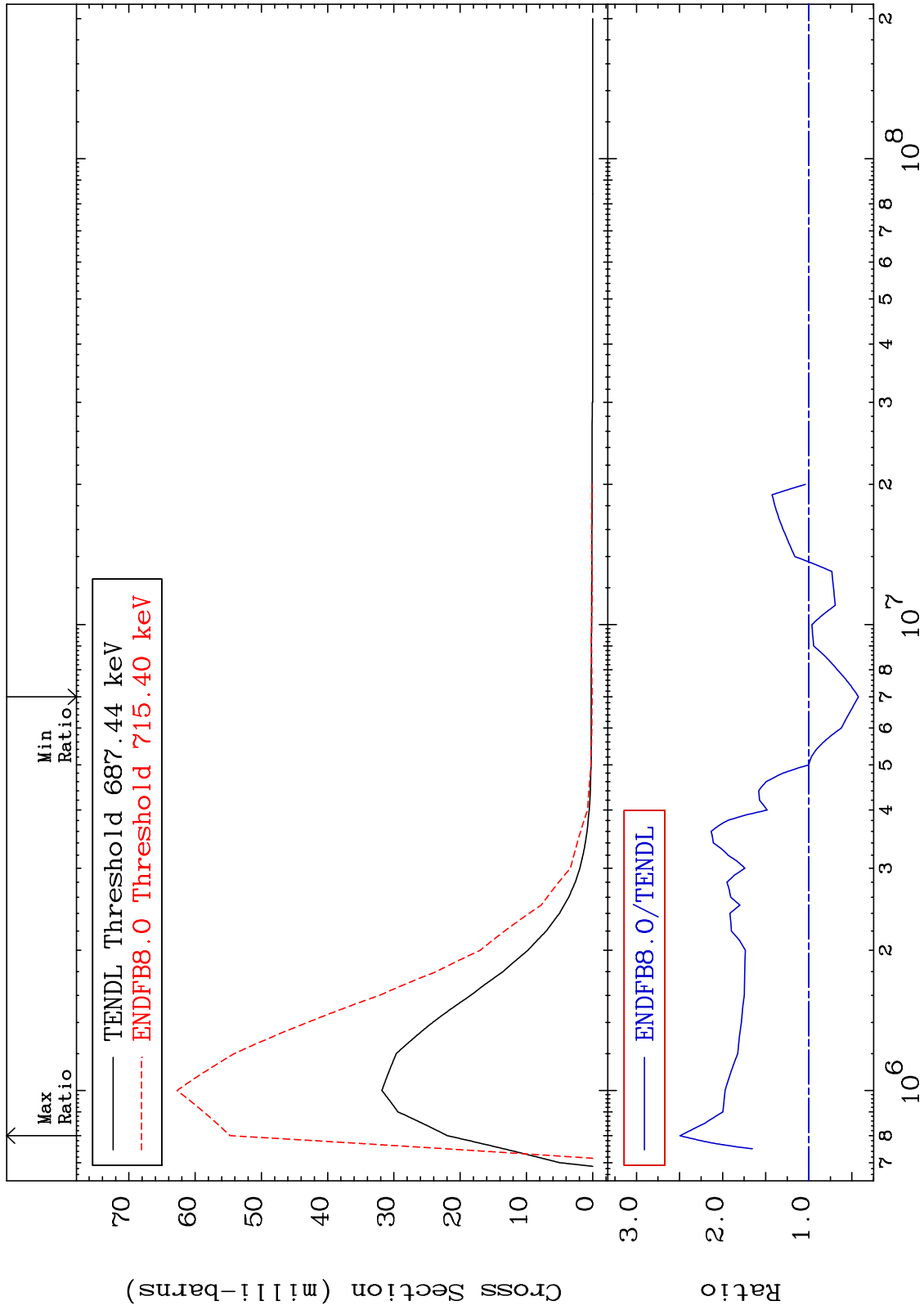
MAT 6840

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

68-Er-167  
-99.84 To 9999. %



MAT 6840      MT= 72 (n,n') Level      68-Er-167  
 Cross Section      -57.54 To 149.4 %

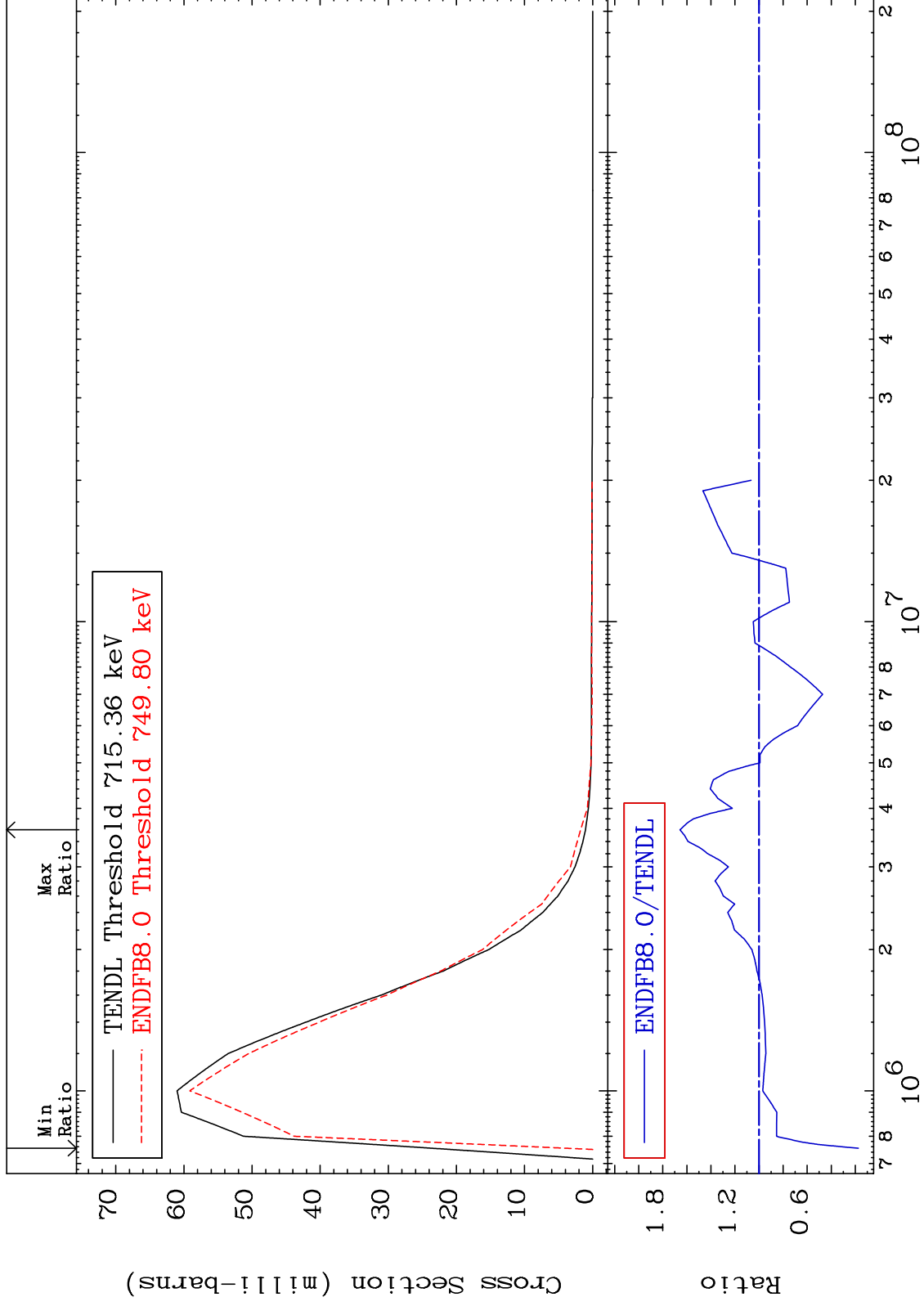


30      Incident Energy (eV)      68-Er-167

MAT 6840

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

68-Er-167  
-82.60 To 65.66 %

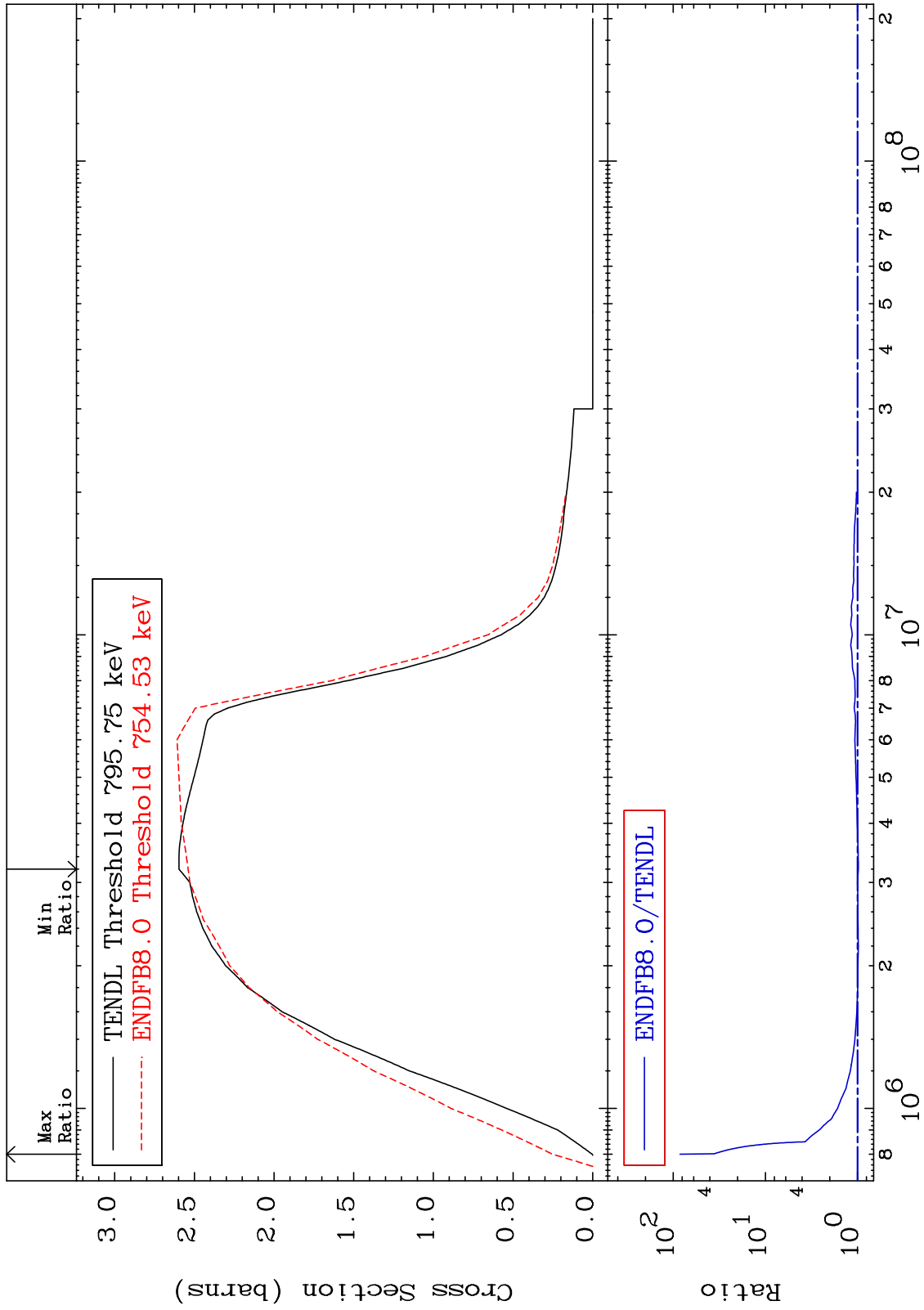




MAT 6840

(n, n') Continuum  
Cross Section

68-Er-167  
-2.226 To 8333. %



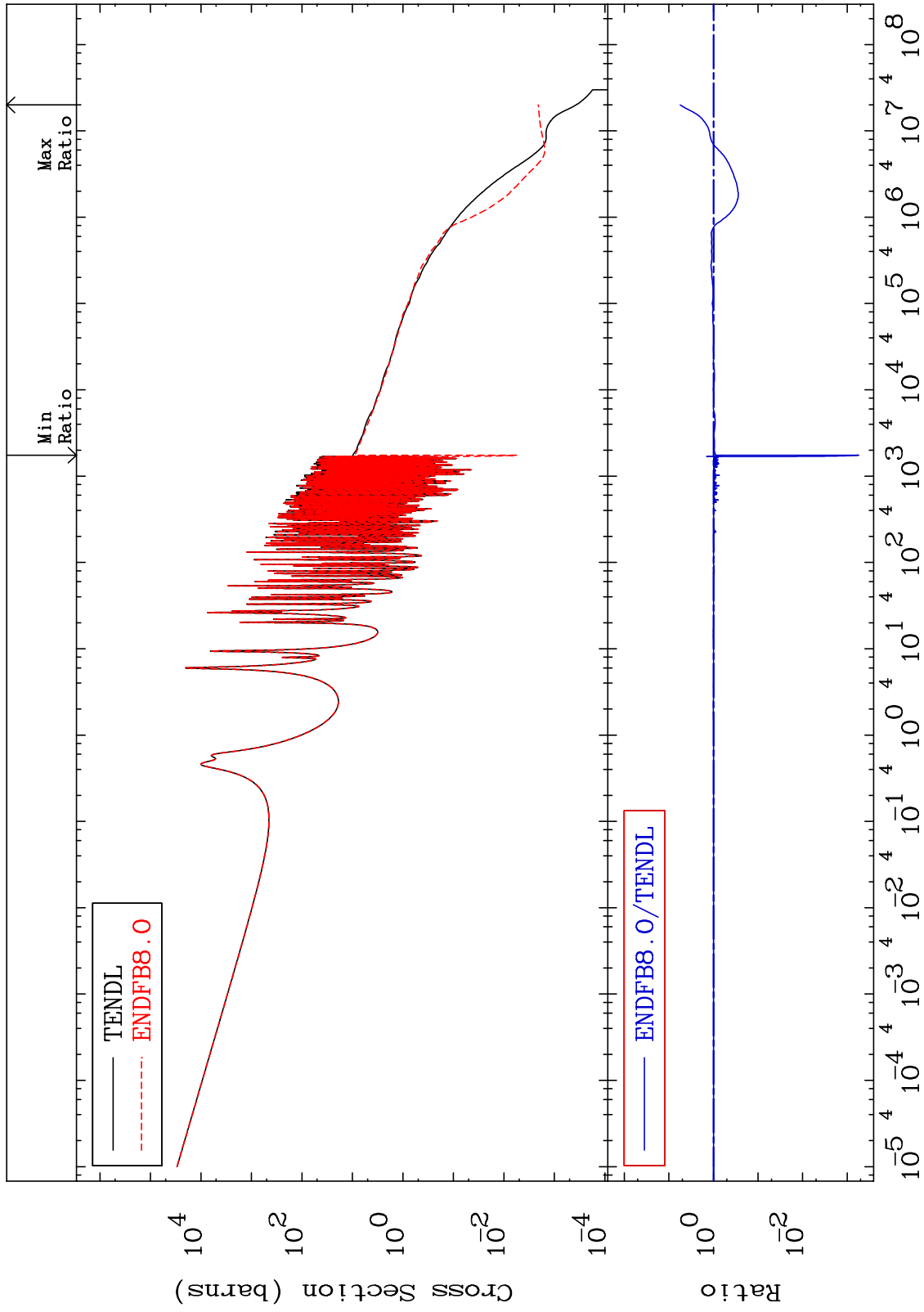
MAT 6840

(n,  $\gamma$ )

68-Er-167

Cross Section

-99.94 To 462.6 %



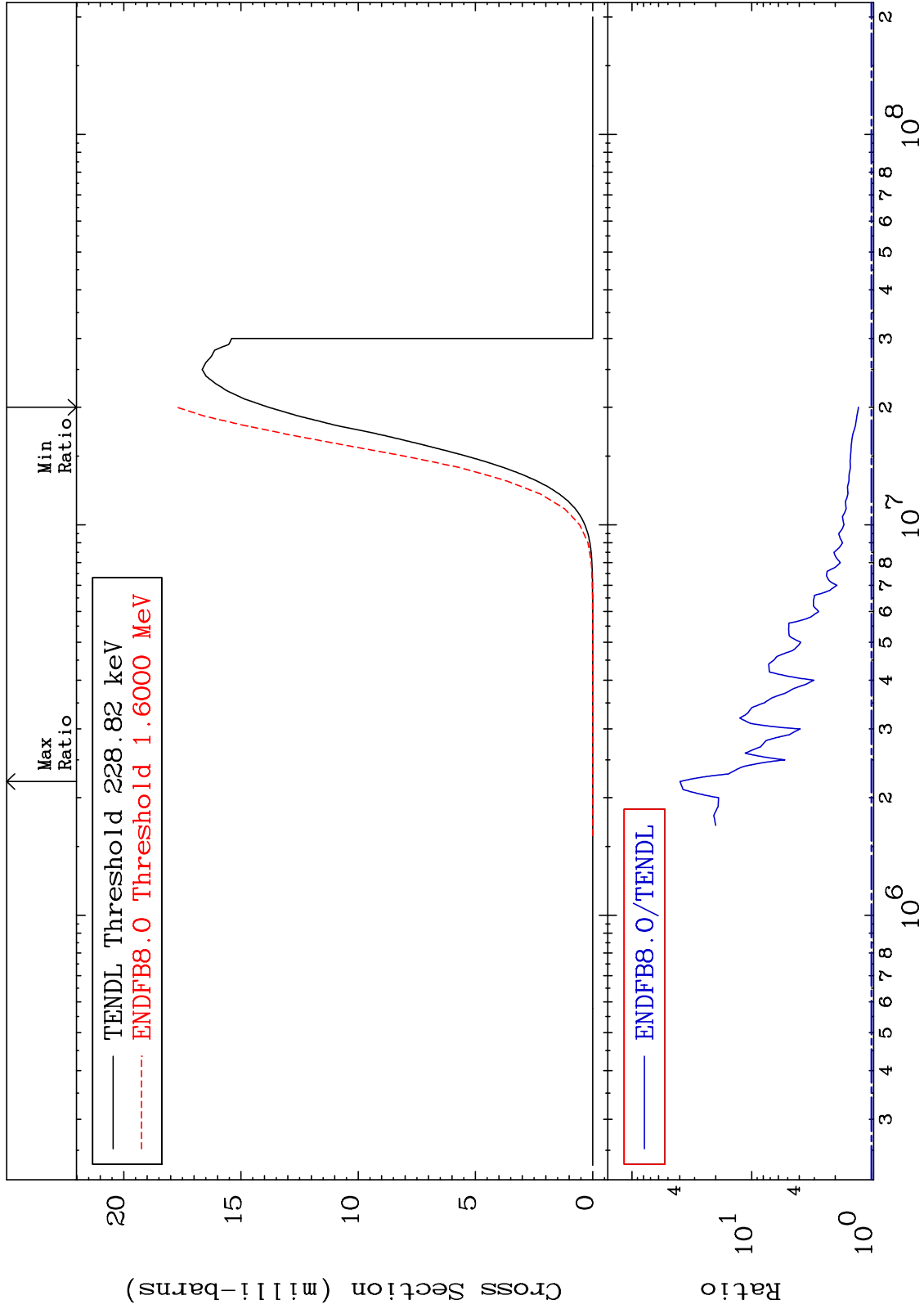
MAT 6840

(n,p)

68-Er-167

Cross Section

28.26 To 3871. %



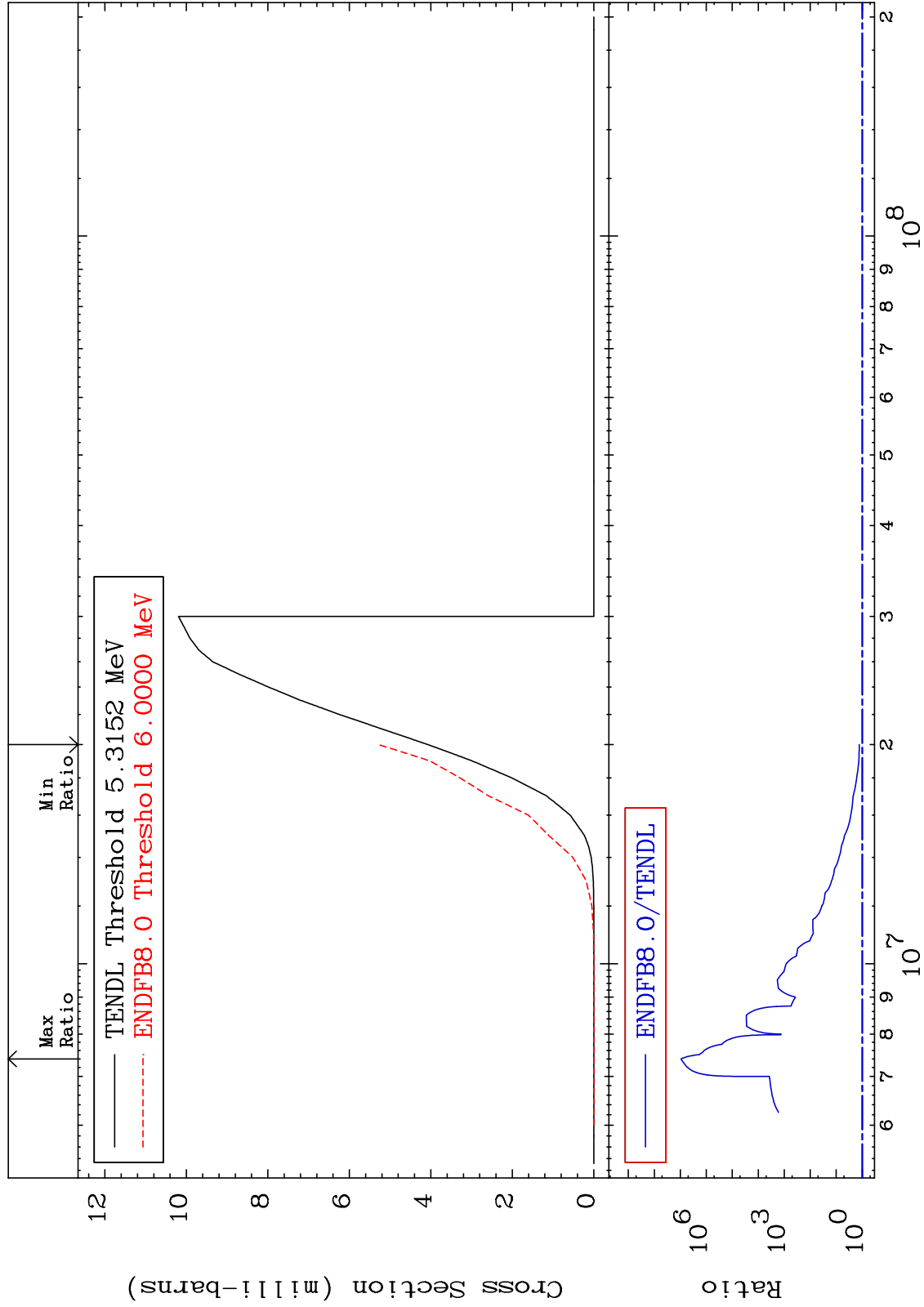
MAT 6840

(n, d)

68-Er-167

Cross Section

29.74 To 9999. %



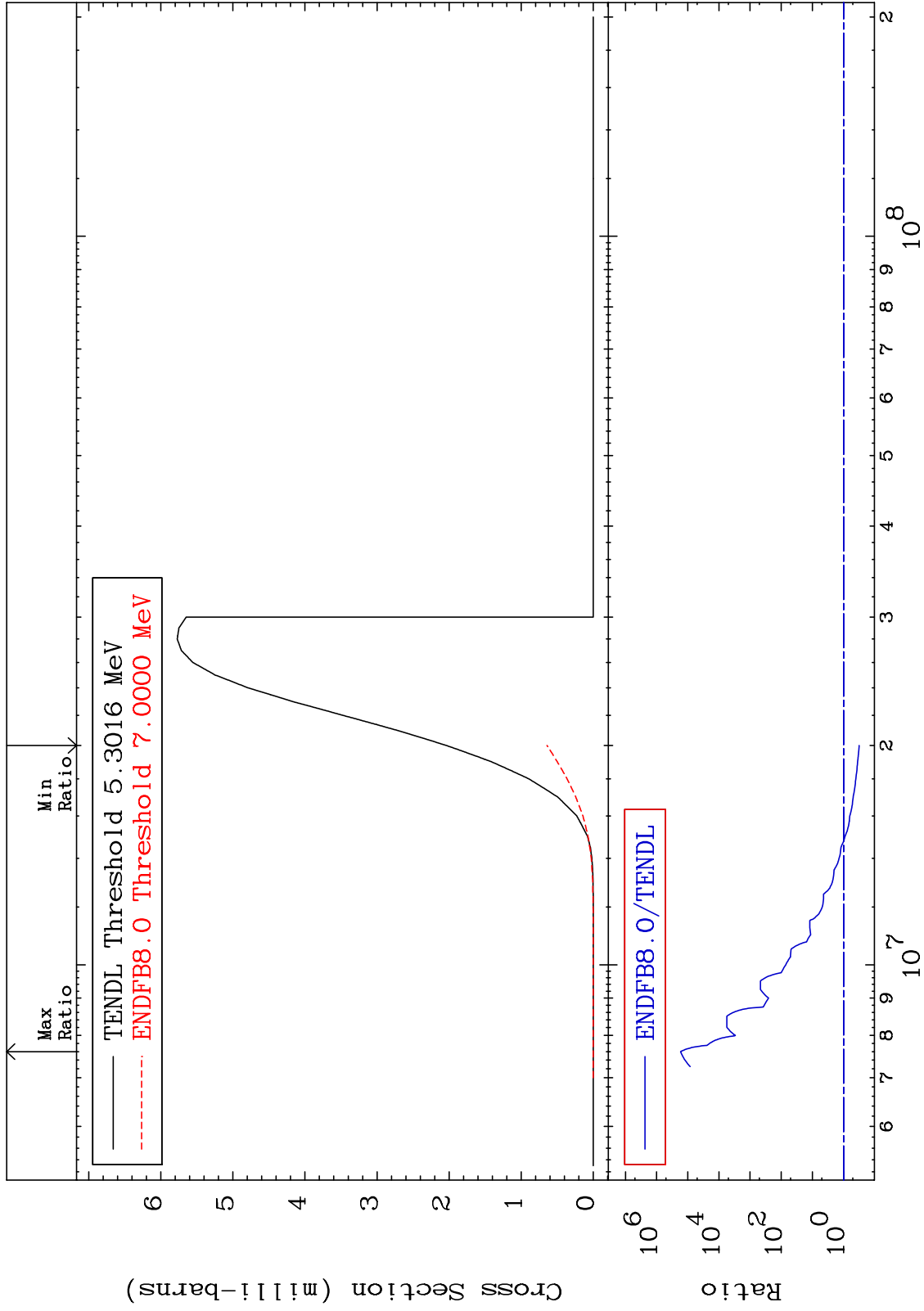
MAT 6840

(n, t)

68-Er-167

Cross Section

-68.56 To 9999. %



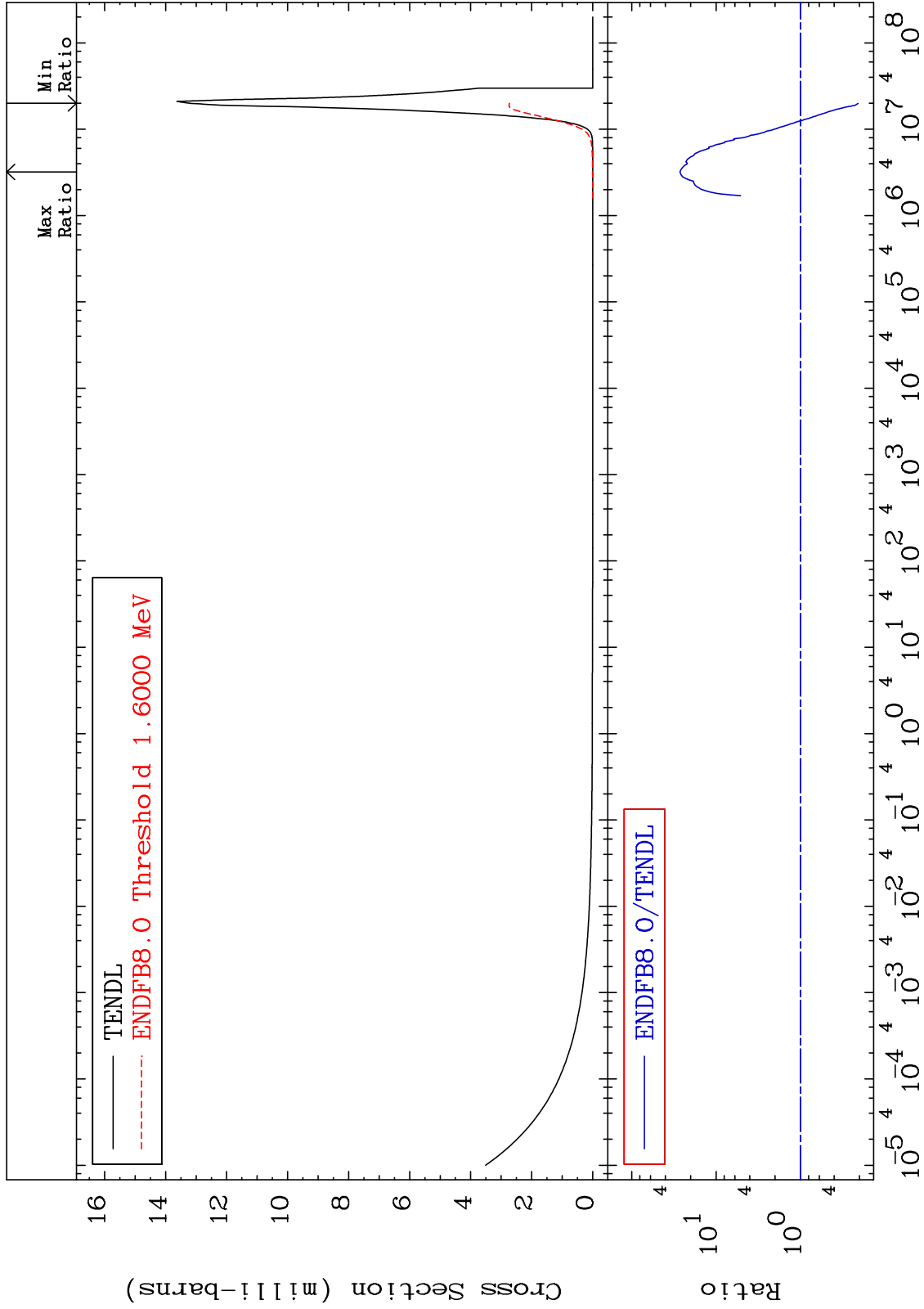
MAT 6840

(n,  $\alpha$ )

Cross Section

68-Er-167

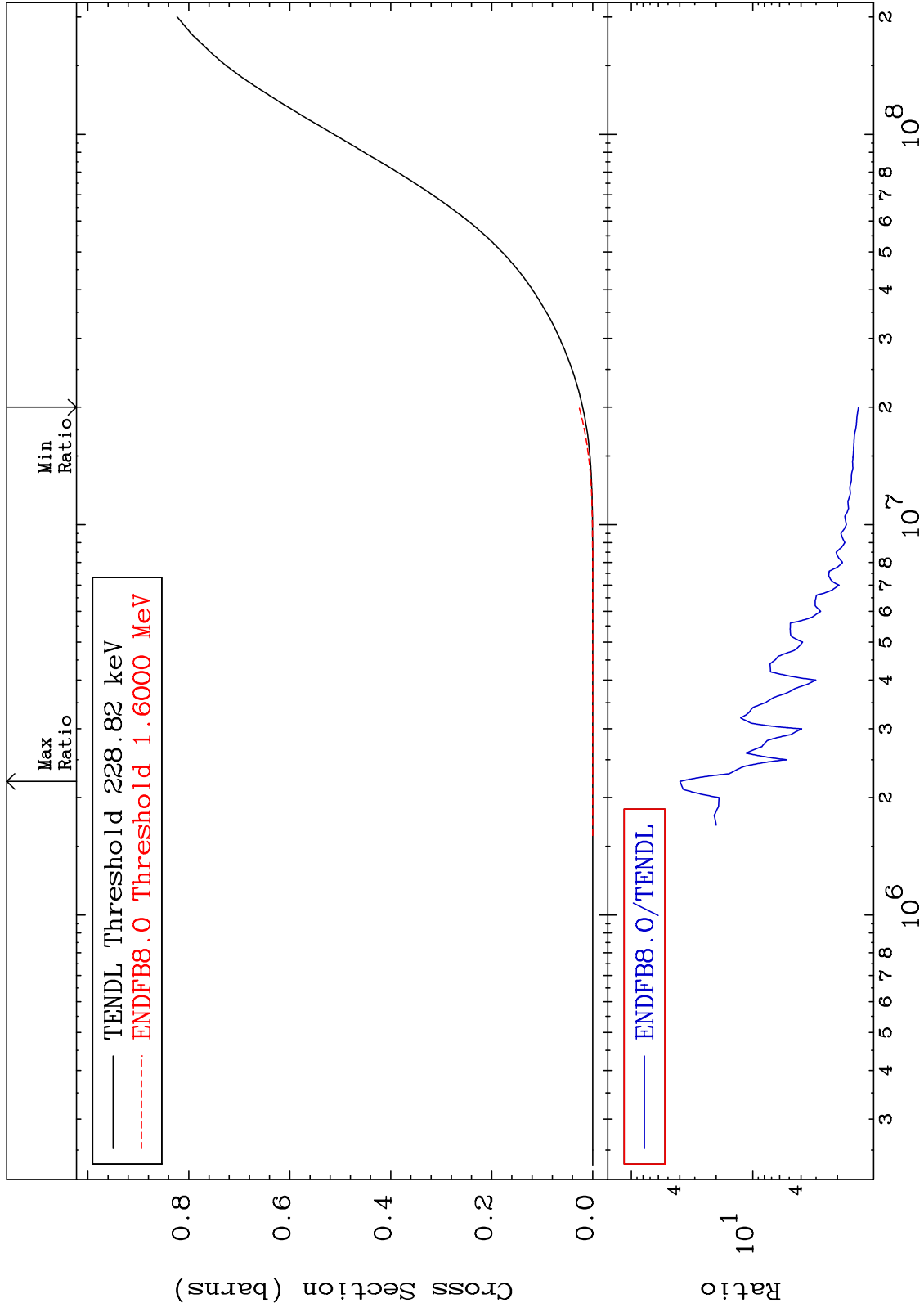
-79.38 To 2577. %



37

Incident Energy (eV)

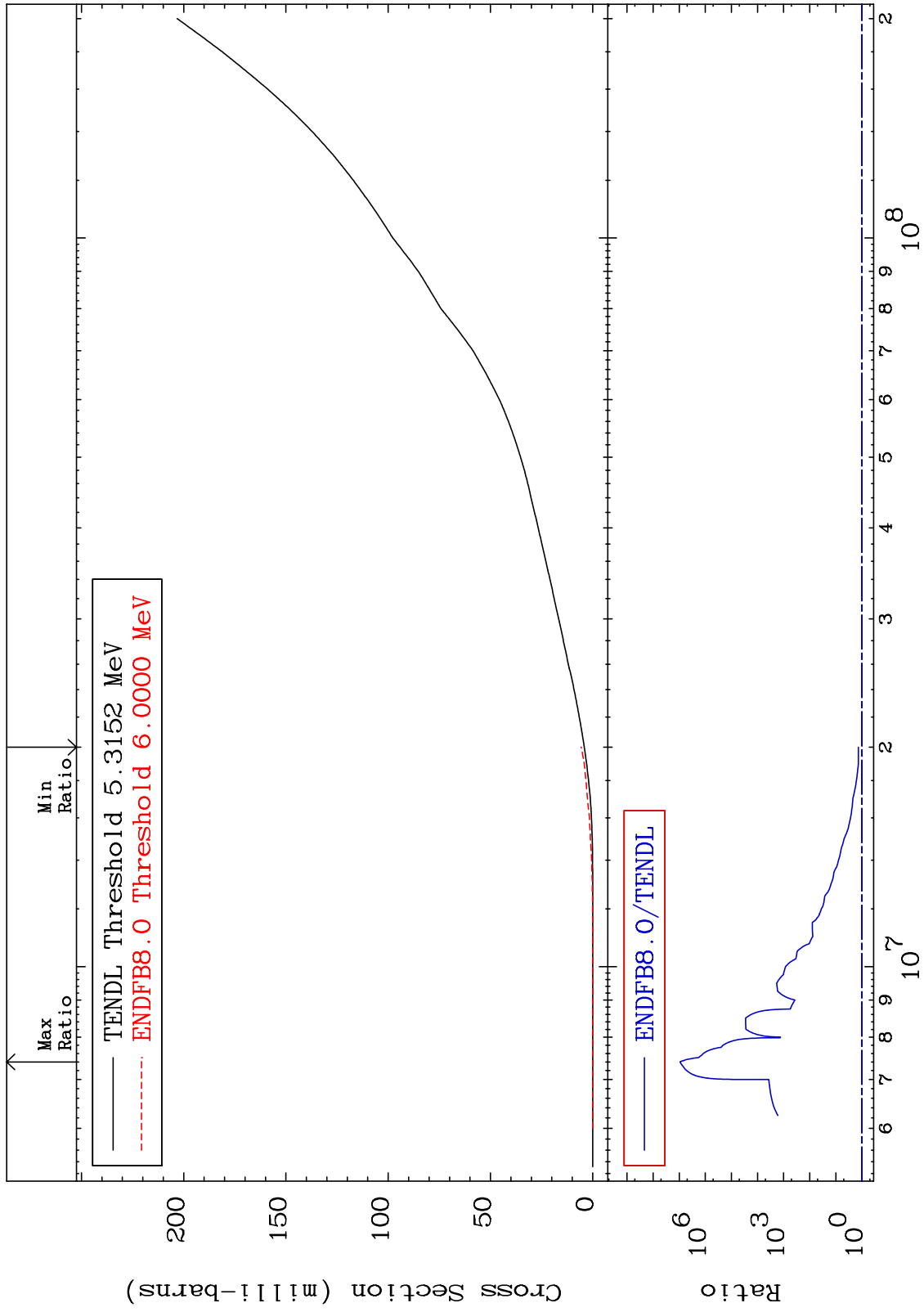
68-Er-167



MAT 6840

Deuterium Production  
Cross Section

68-Er-167  
36.74 To 9999. %

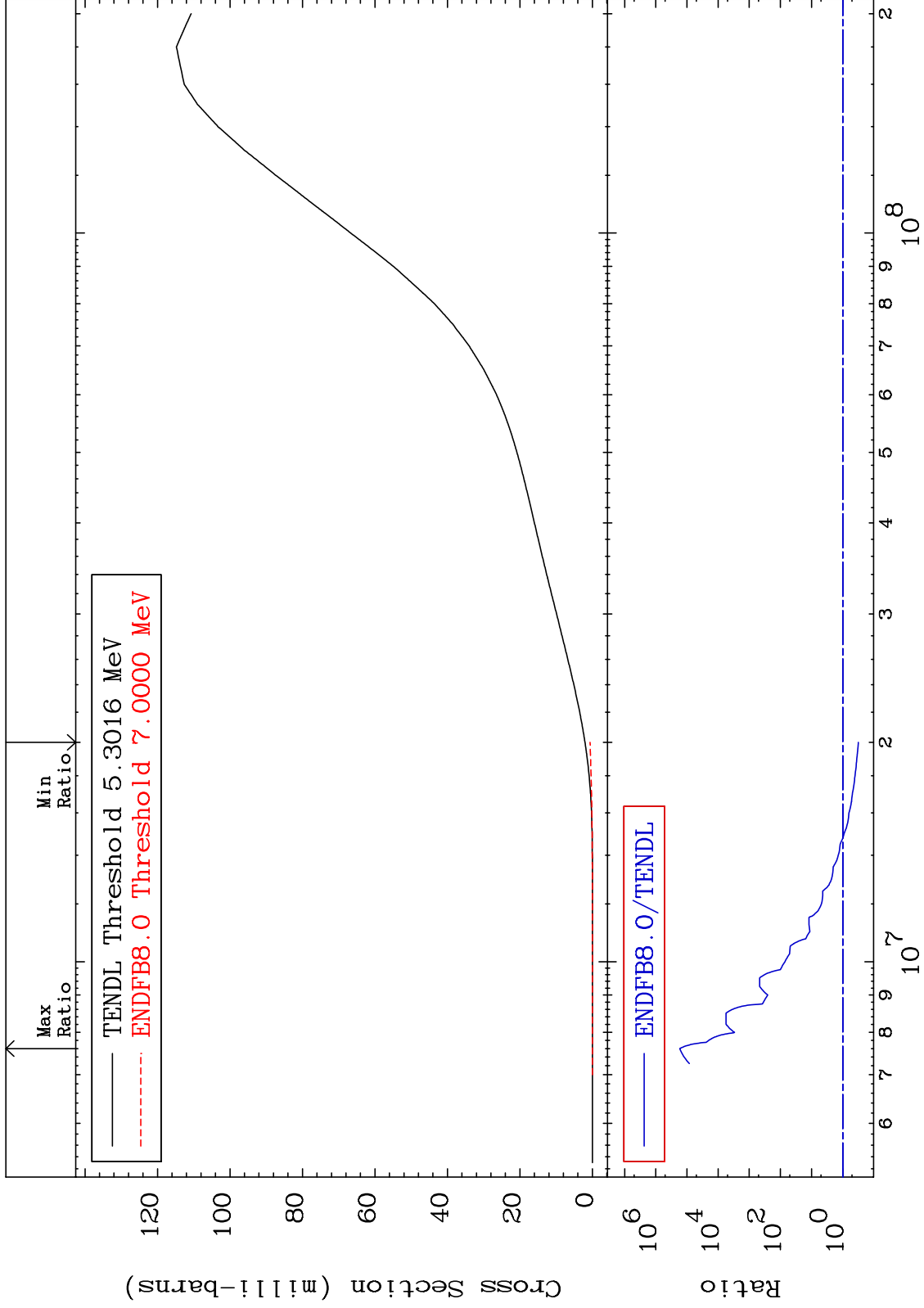




MAT 6840

Tritium Production  
Cross Section

68-Er-167  
-68.56 To 9999. %



40

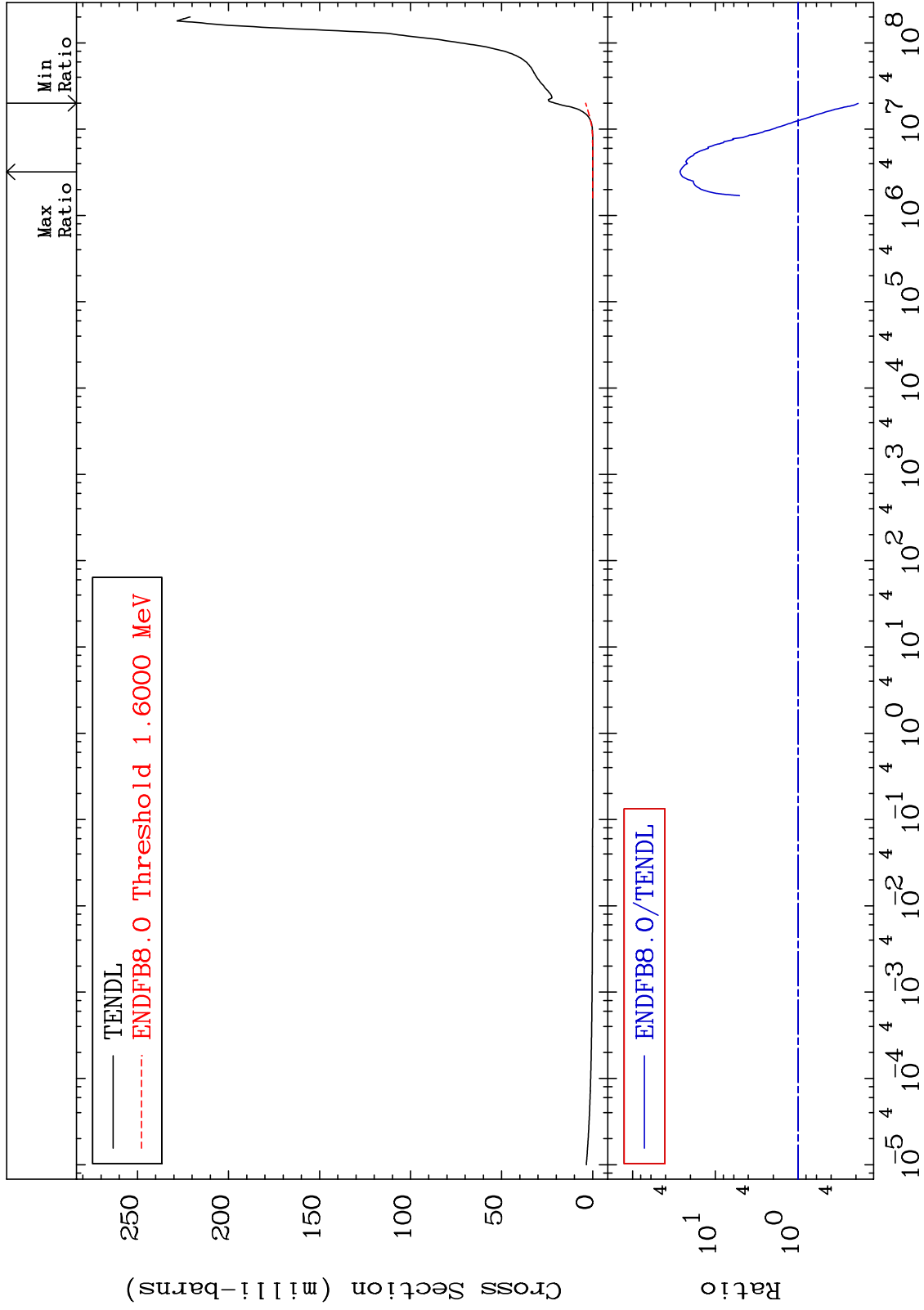
Incident Energy (eV)

68-Er-167

MAT 6840

He-4 Production  
Cross Section

68-Er-167  
-81.35 To 2577. %



41

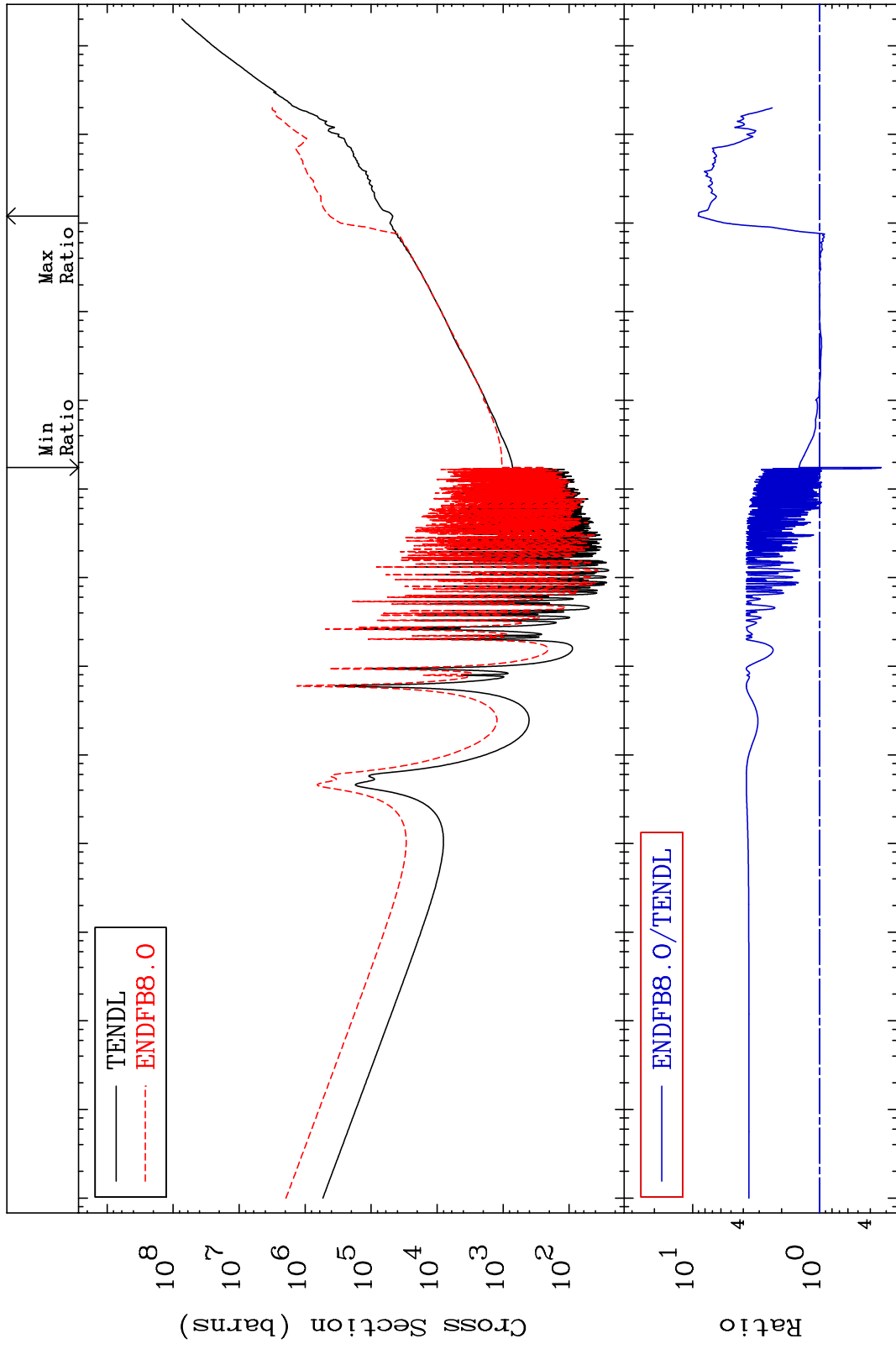
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma total (eV-barns)  
Cross Section

68-Er-167  
-67.34 To 802.4 %



42

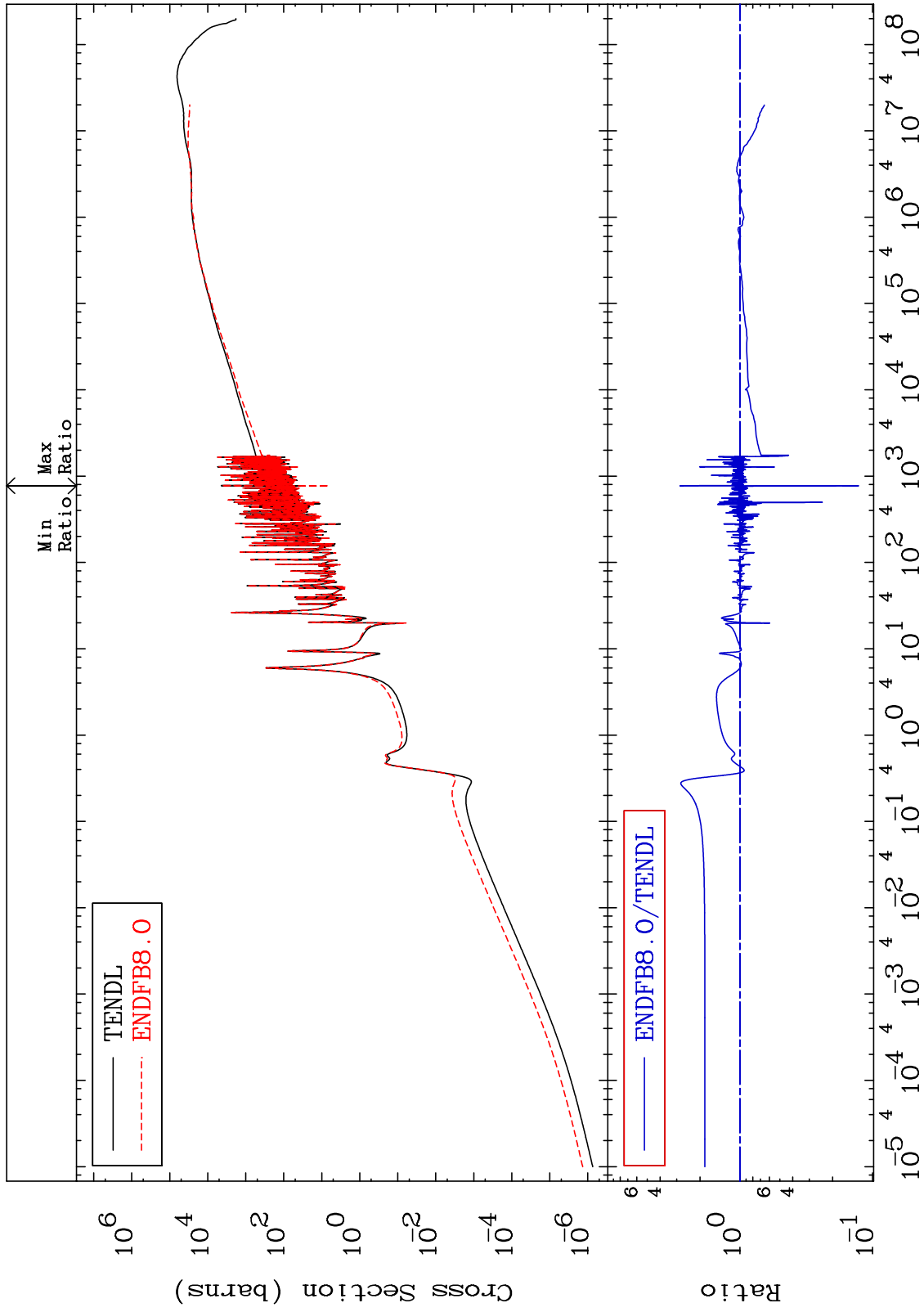
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma elastic  
Cross Section

68-Er-167  
-87.20 To 183.0 %



43

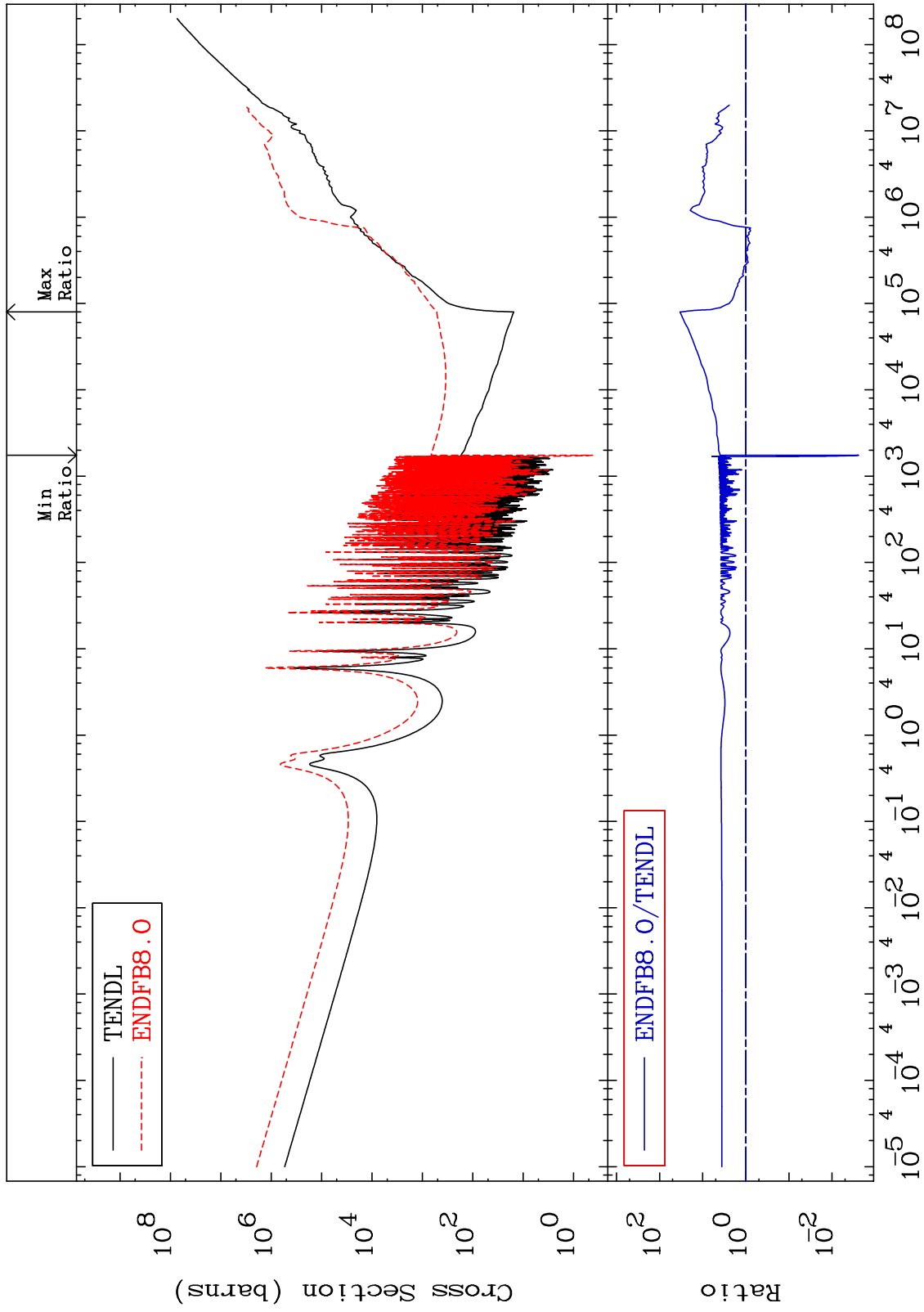
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma non-elastic (all but mt2)  
Cross Section

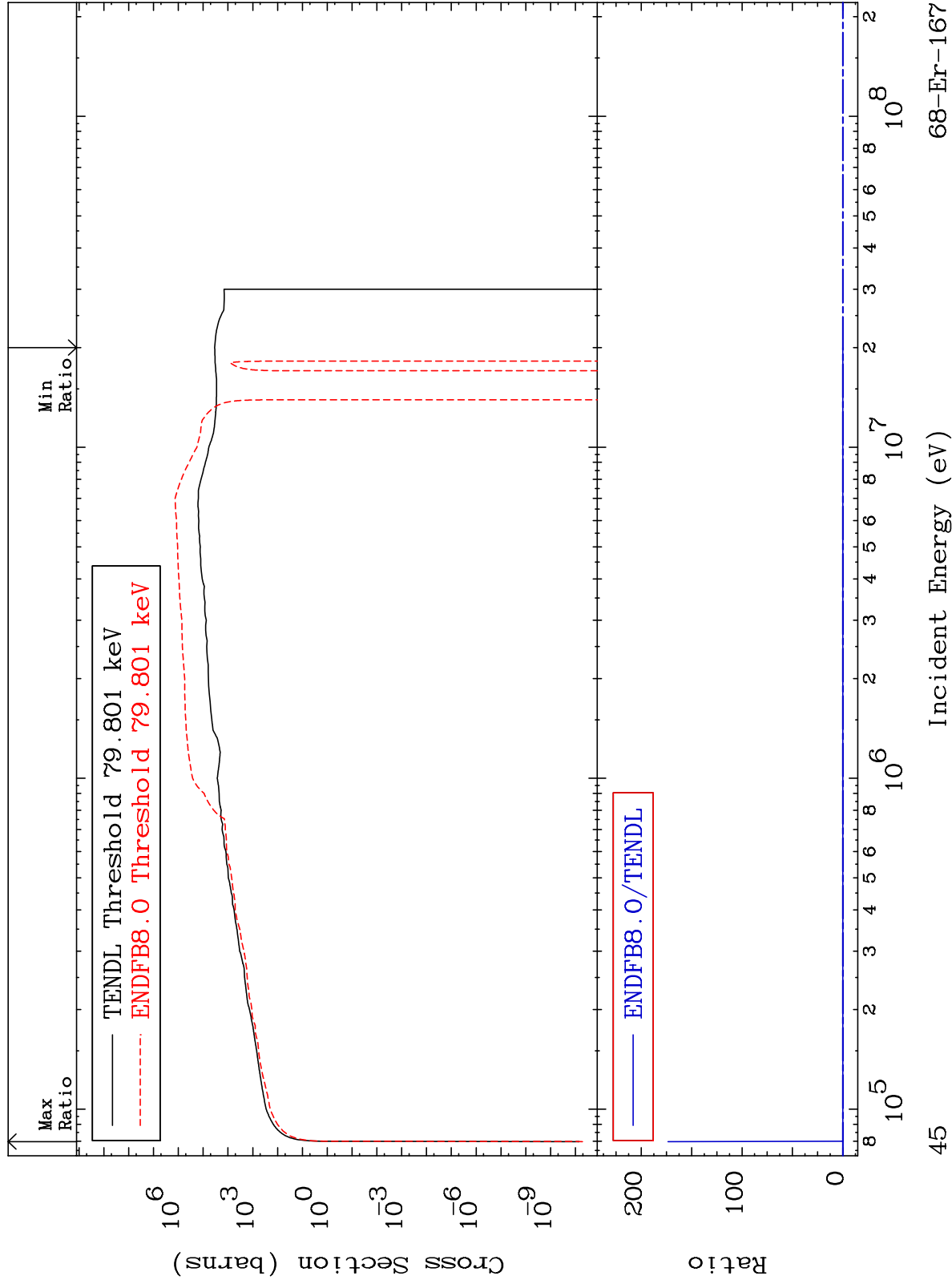
68-Er-167  
-99.76 To 3266. %



MAT 6840

Kerma inelastic (mt51-91)  
Cross Section

68-Er-167  
-289.9 To 9999. %

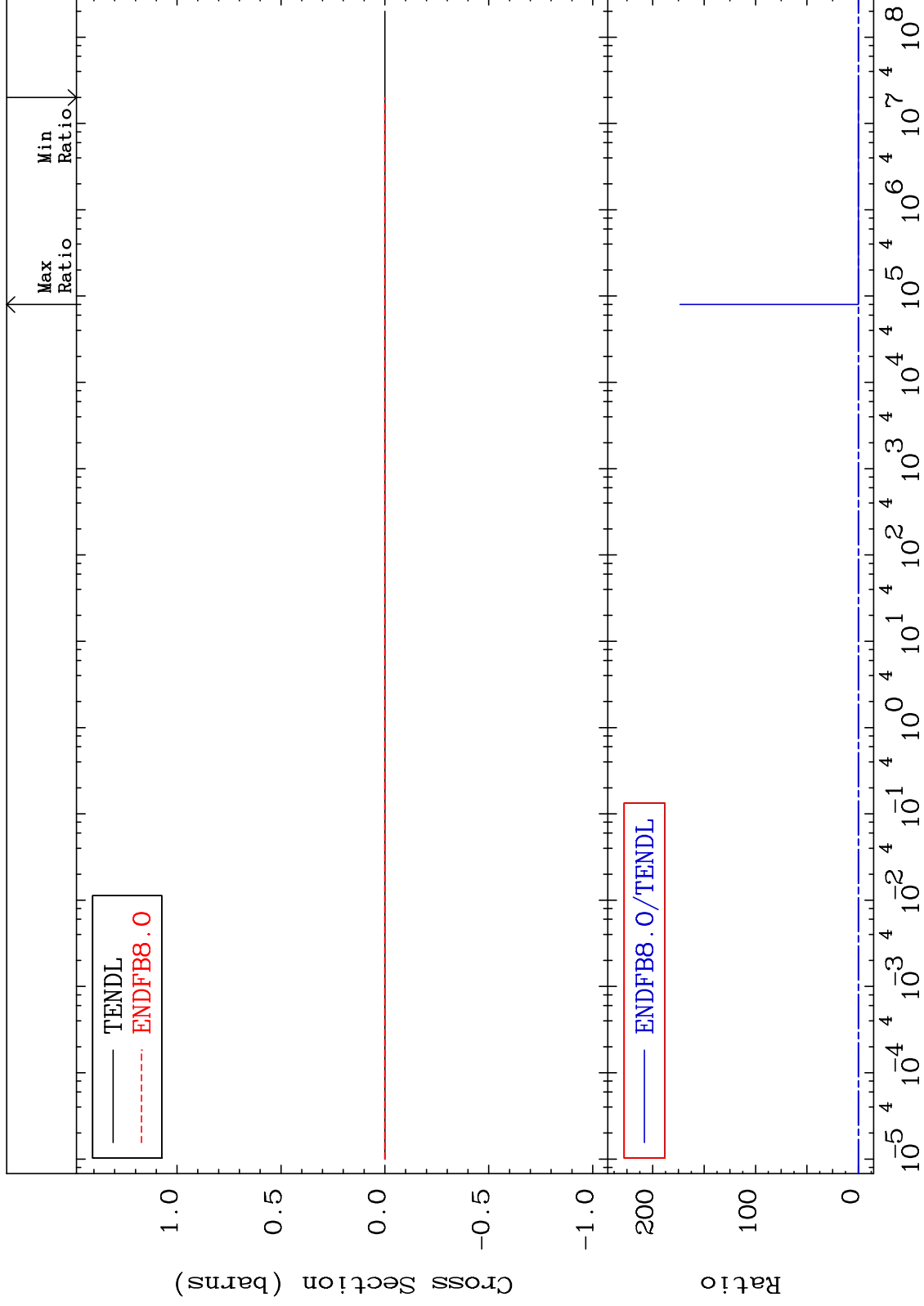


45

MAT 6840

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

68-Er-167  
-289.9 To 9999. %



46

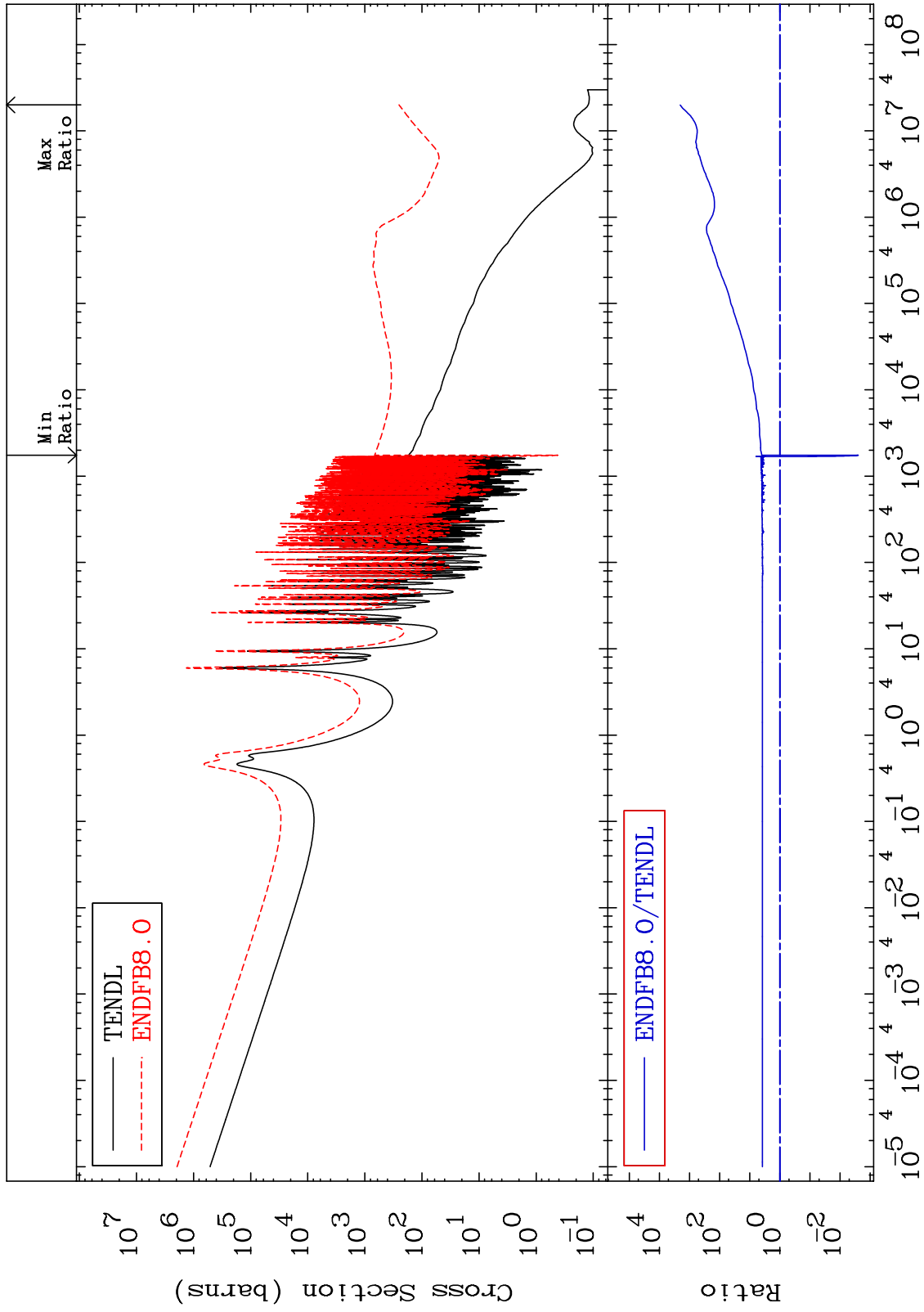
Incident Energy (eV)

68-Er-167

MAT 6840

Kerma capture (mt102)  
Cross Section

68-Er-167  
-99.75 To 9999. %



47

Incident Energy (eV)

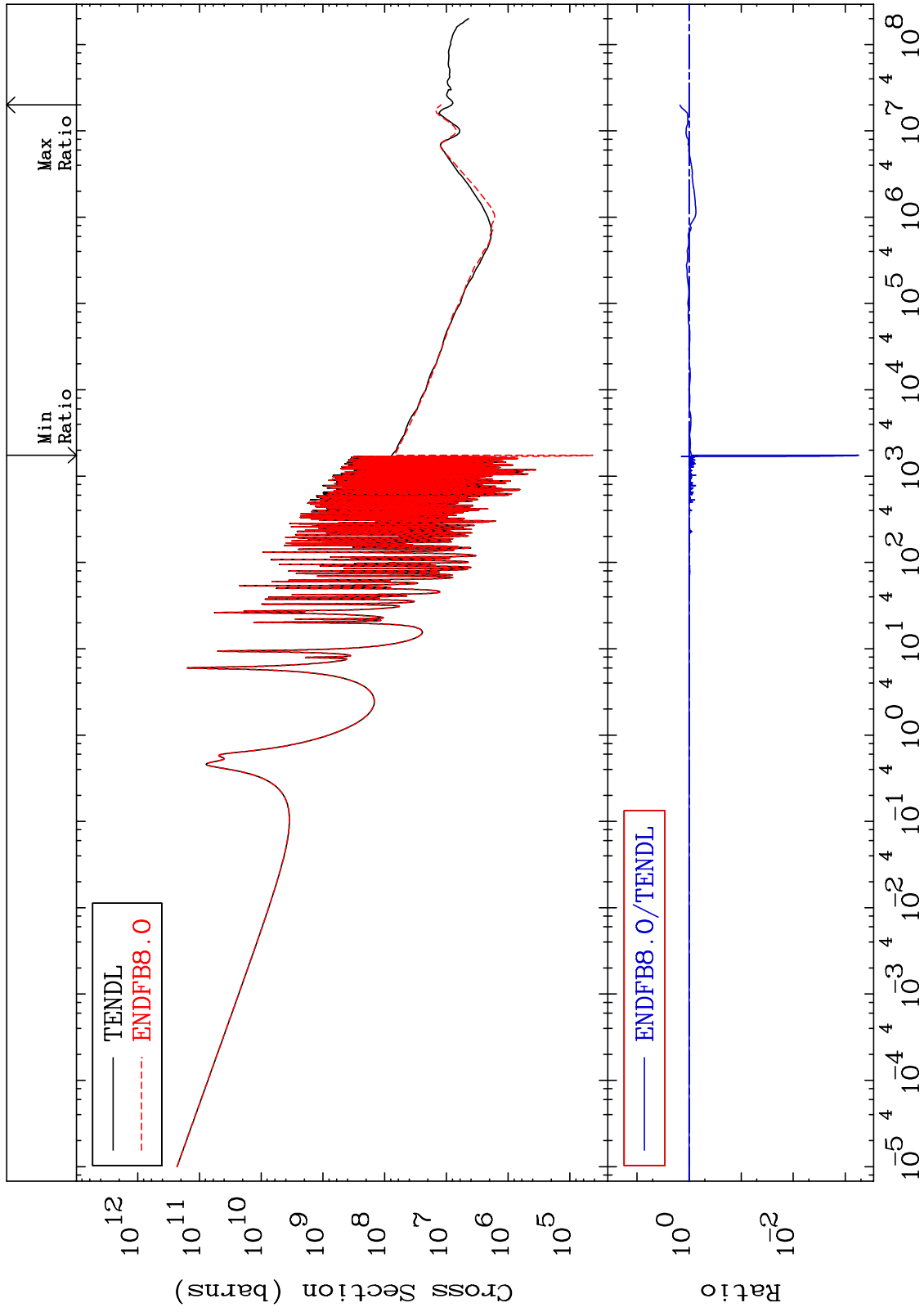
68-Er-167



MAT 6840

Total photon (eV-barns)  
Cross Section

68-Er-167  
-99.94 To 49.35 %



48

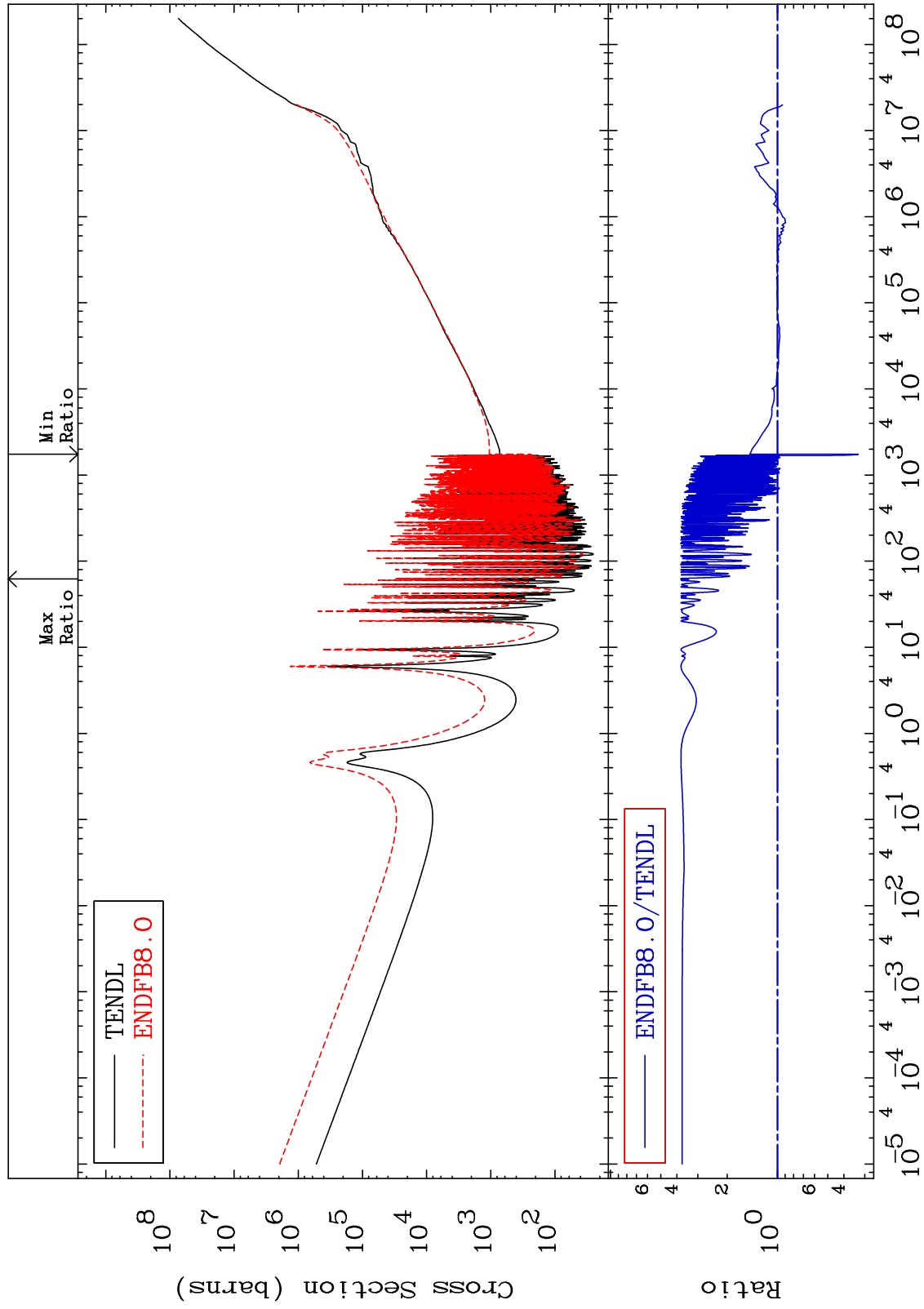
Incident Energy (eV)

68-Er-167

MAT 6840

Total kinematic kerma (high limit)  
Cross Section

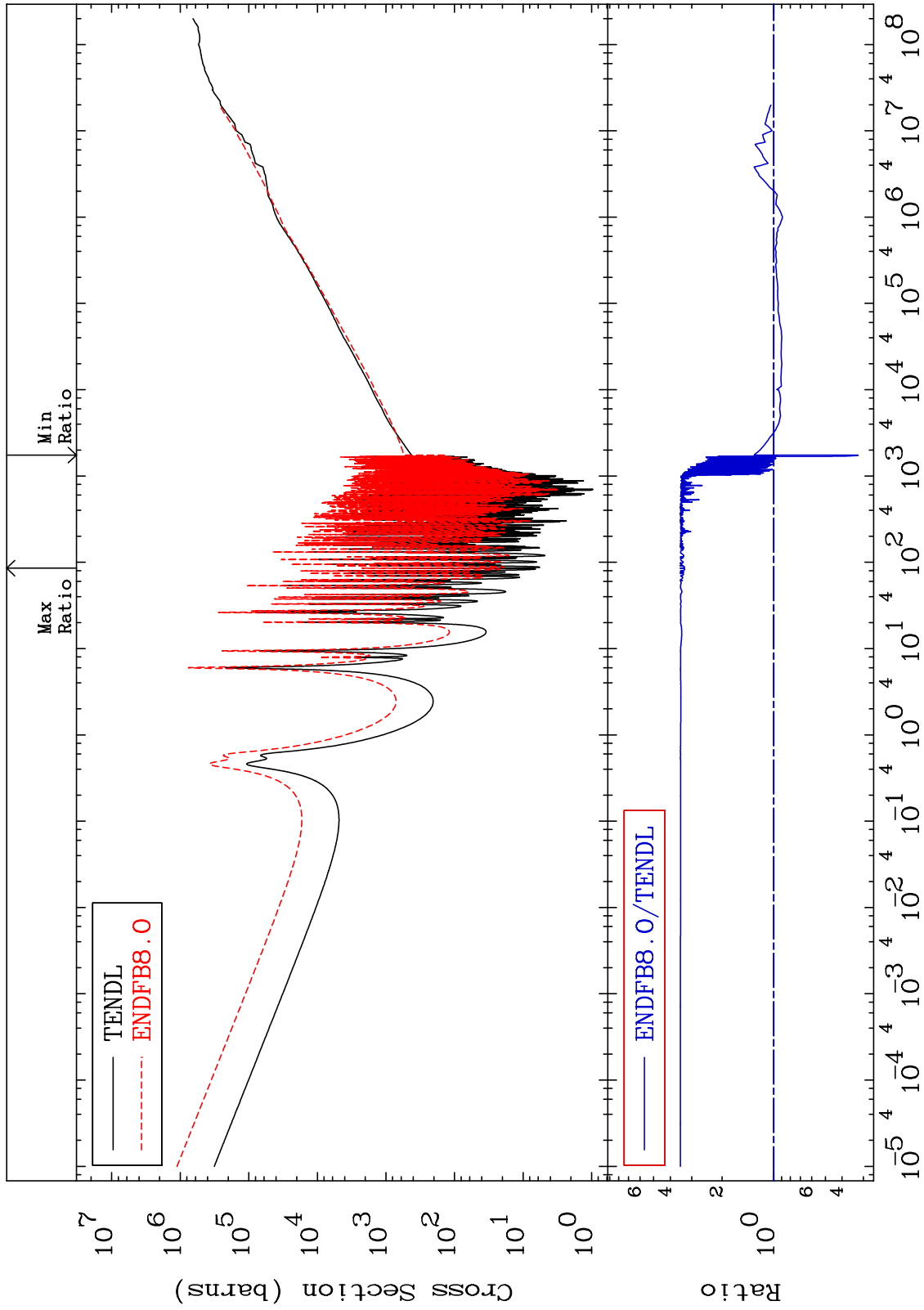
68-Er-167  
-67.34 To 281.4 %



MAT 6840

Dpa total (eV-barns)  
Cross Section

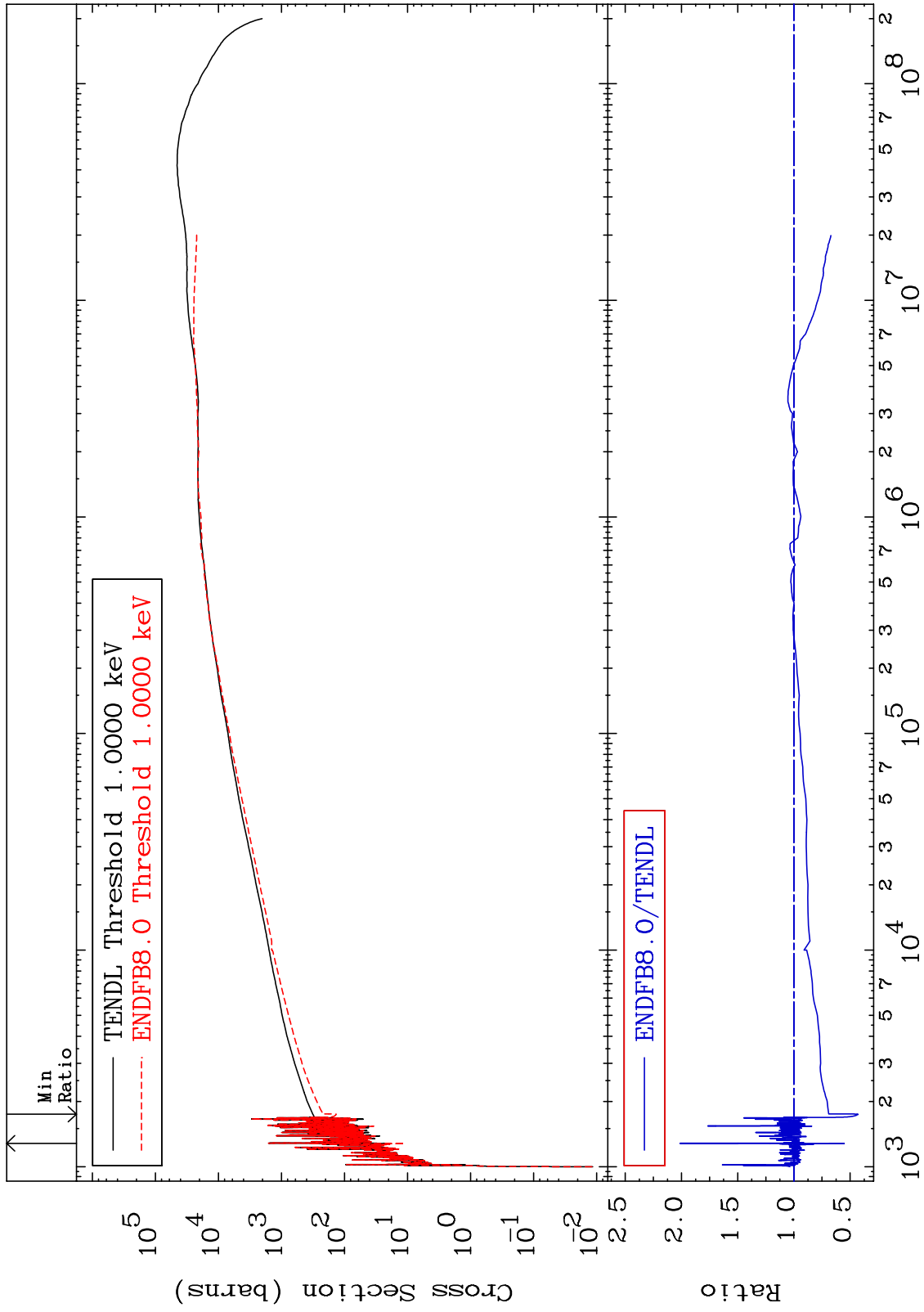
68-Er-167  
-67.92 To 251.1 %



MAT 6840

Dpa elastic (mt2)  
Cross Section

68-Er-167  
-57.39 To 101.3 %



51

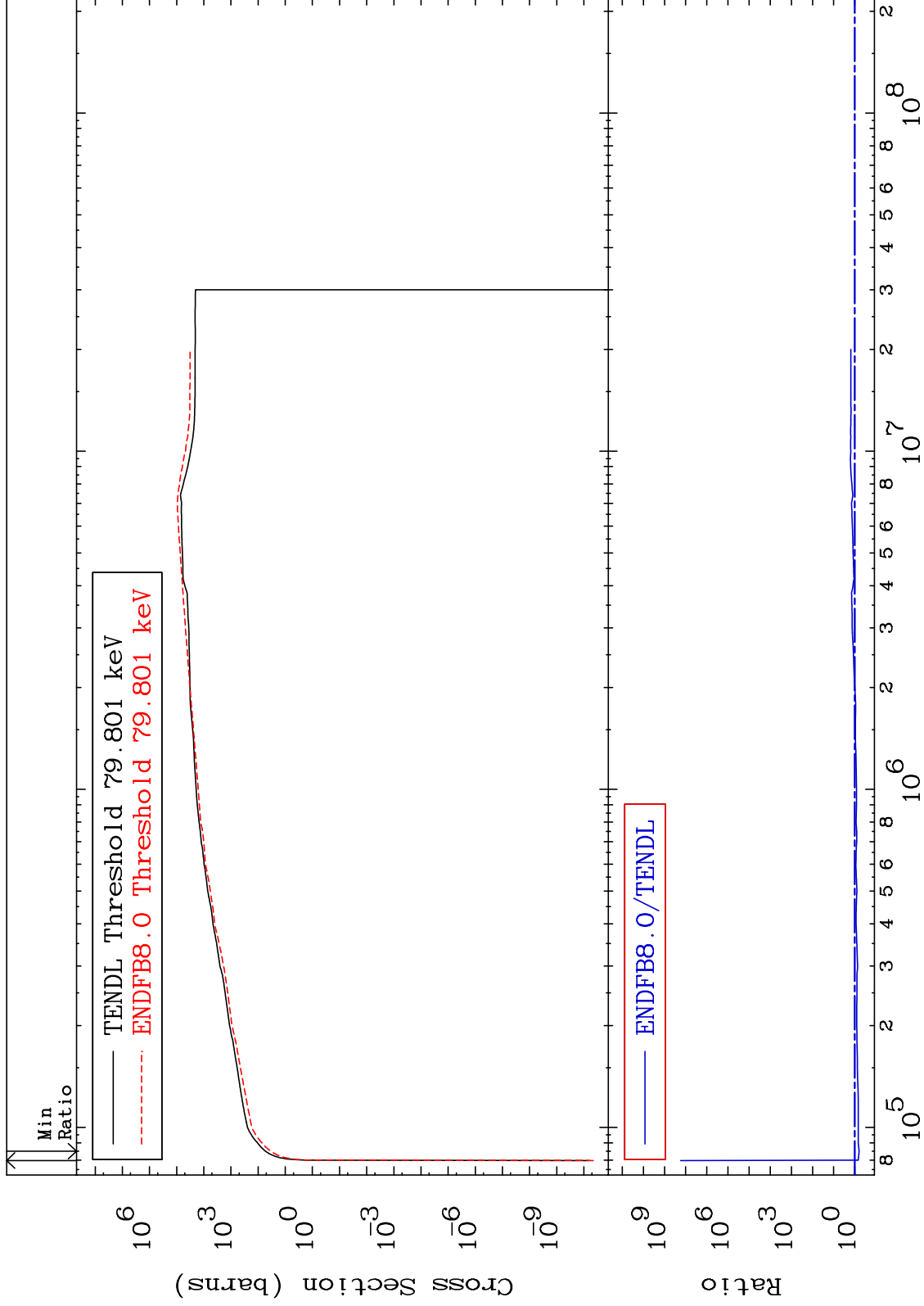
Incident Energy (eV)

68-Er-167

MAT 6840

Dpa inelastic (mt51-91)  
Cross Section

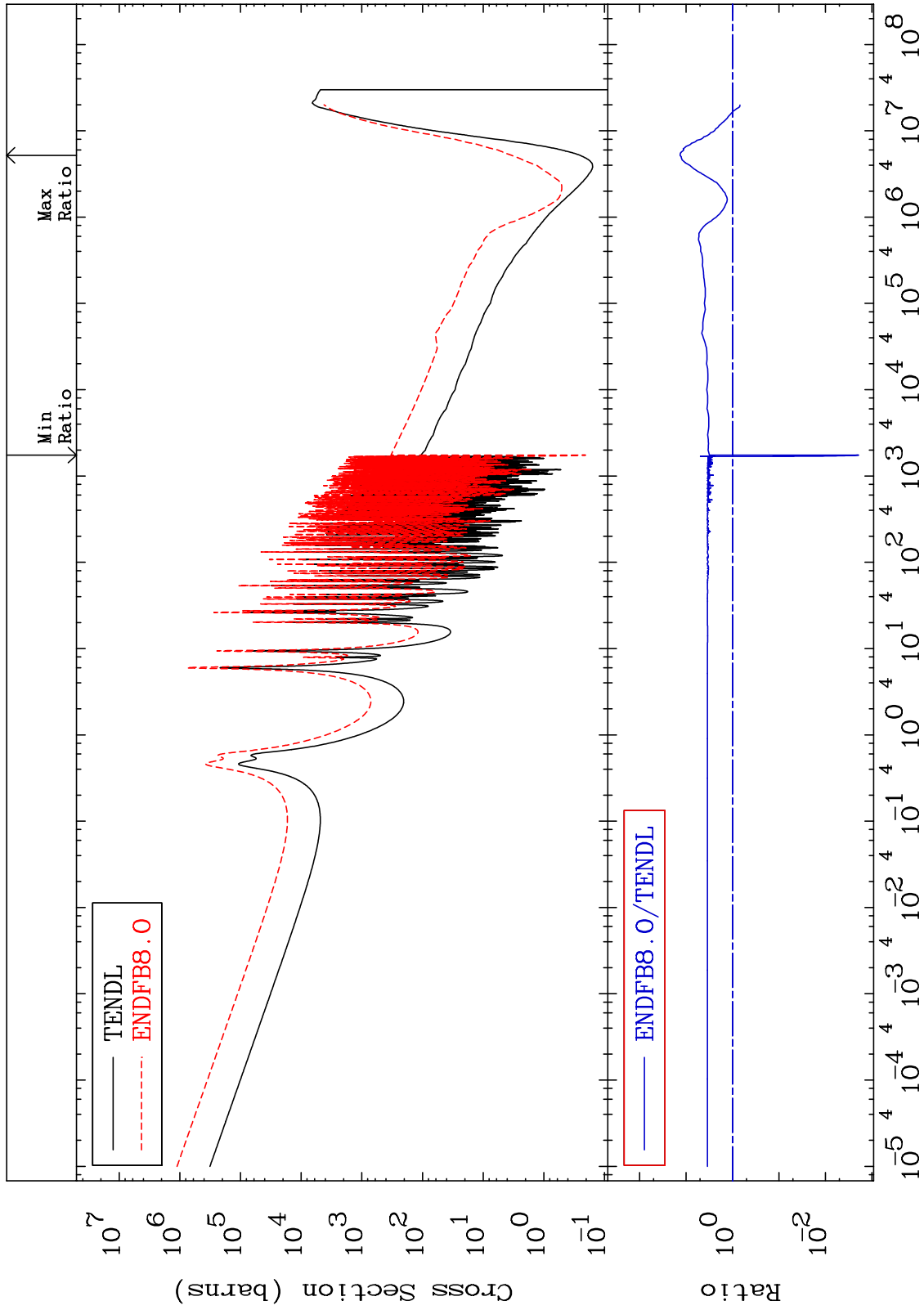
68-Er-167  
-37.65 To 9999. %



MAT 6840

Dpa disappearance (mt102 -120)  
Cross Section

68-Er-167  
-99.80 To 1254. %



53

Incident Energy (eV)

68-Er-167