

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

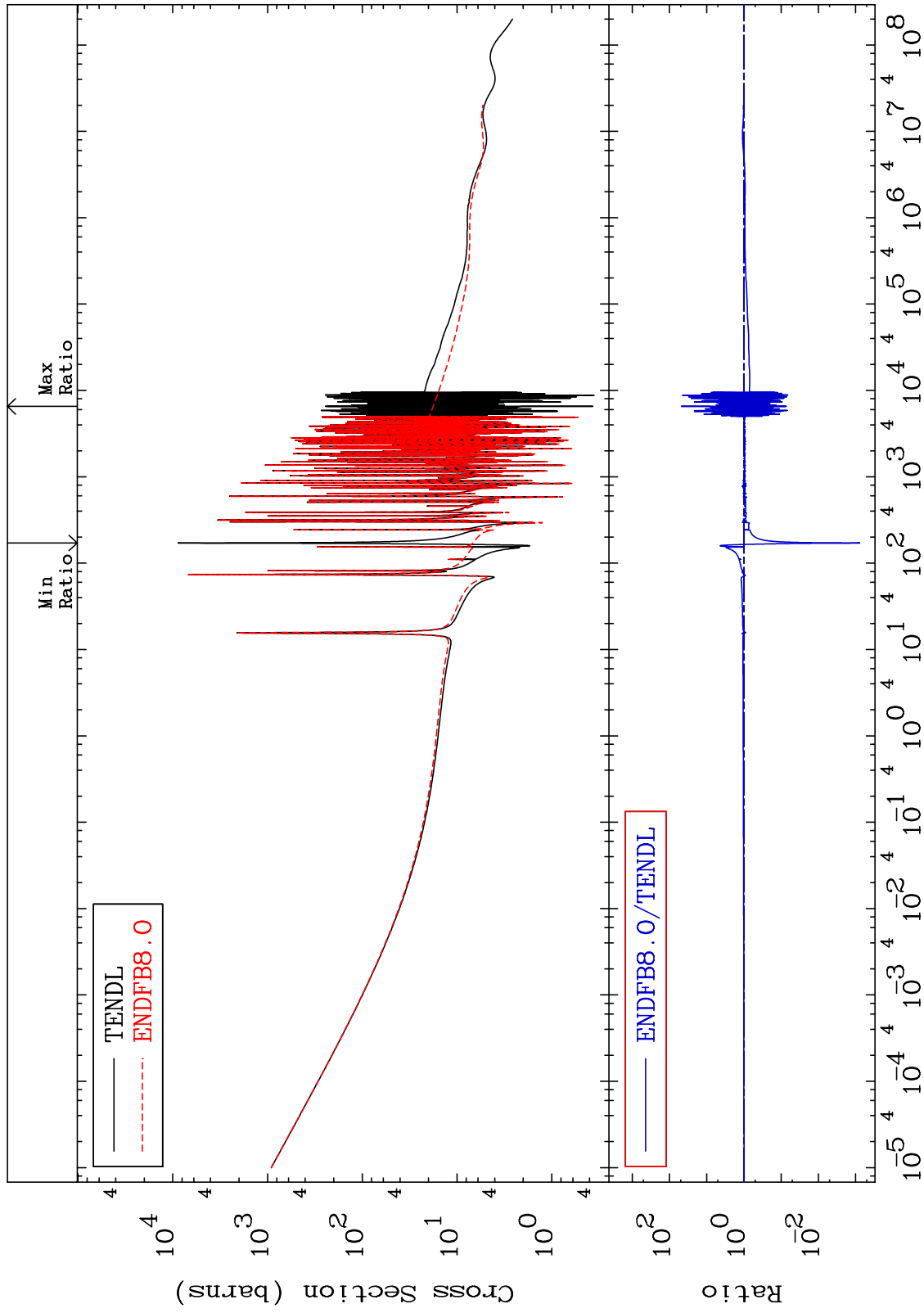
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6837

Total
Cross Section

68-Er-166
-99.92 To 4732. %



1

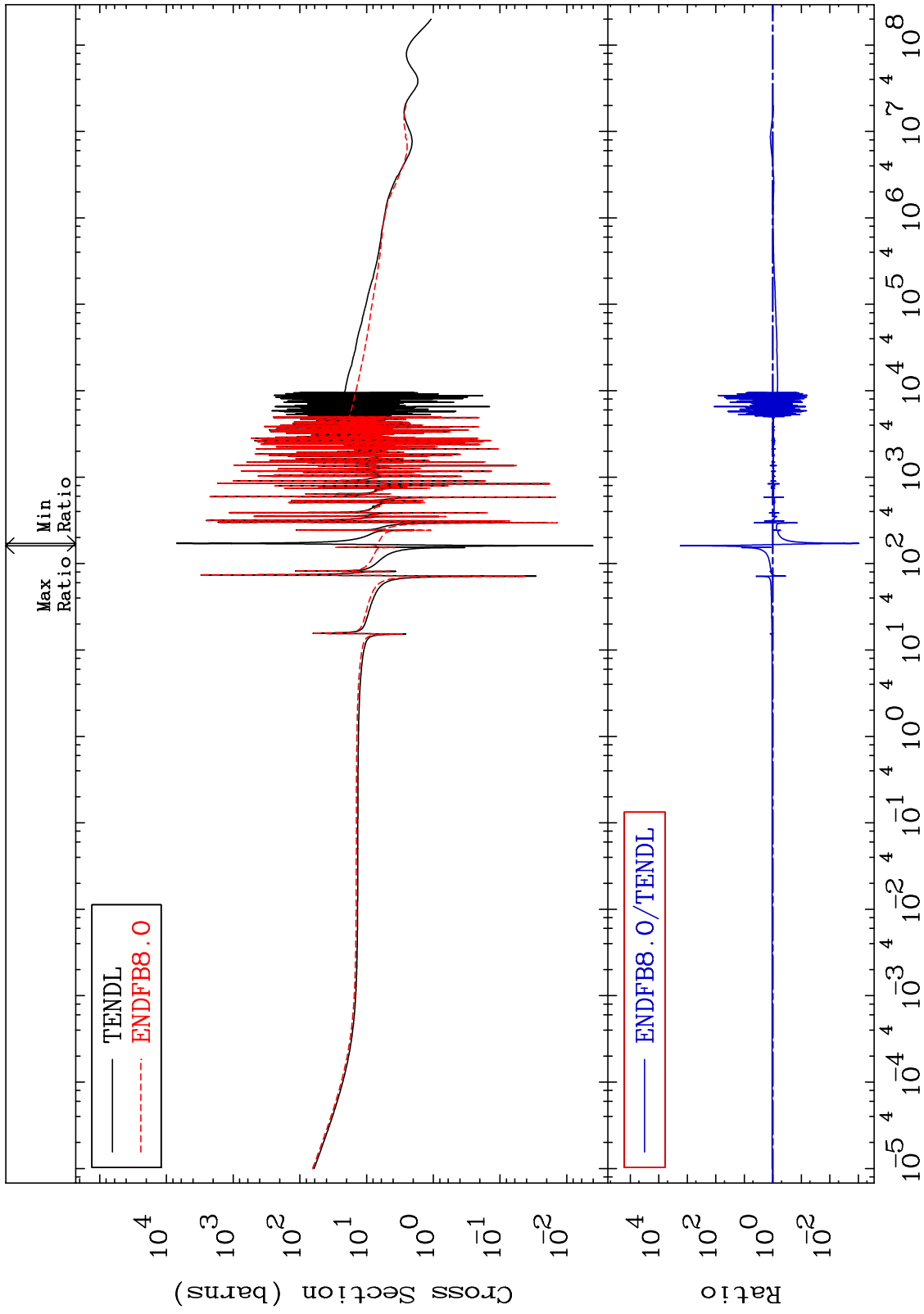
Incident Energy (eV)

68-Er-166

MAT 6837

Elastic
Cross Section

68-Er-166
-99.90 To 9999. %



2

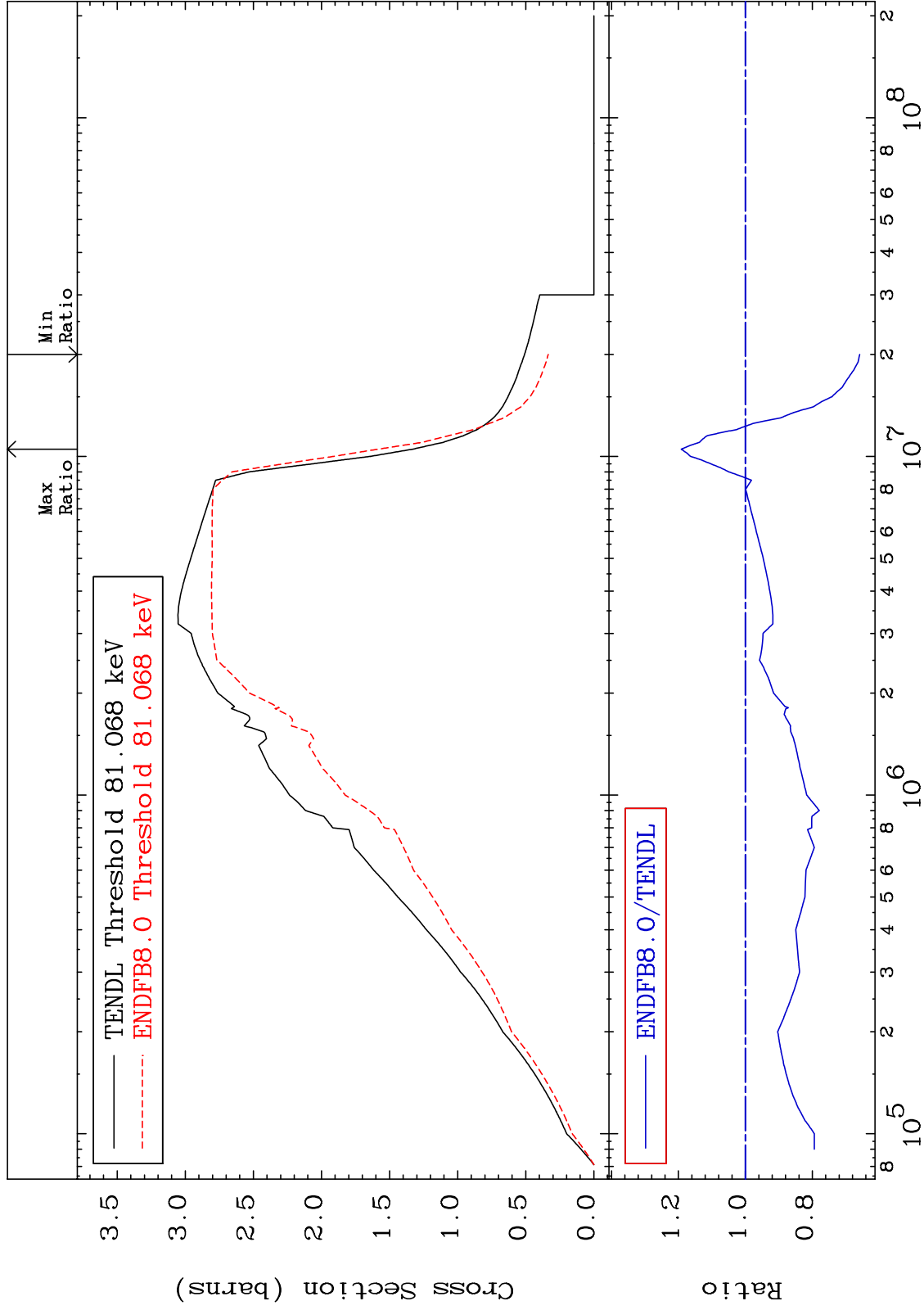
Incident Energy (eV)

68-Er-166

MAT 6837

Inelastic
Cross Section

68-Er-166
-34.16 To 19.16 %



3

Incident Energy (eV)

68-Er-166

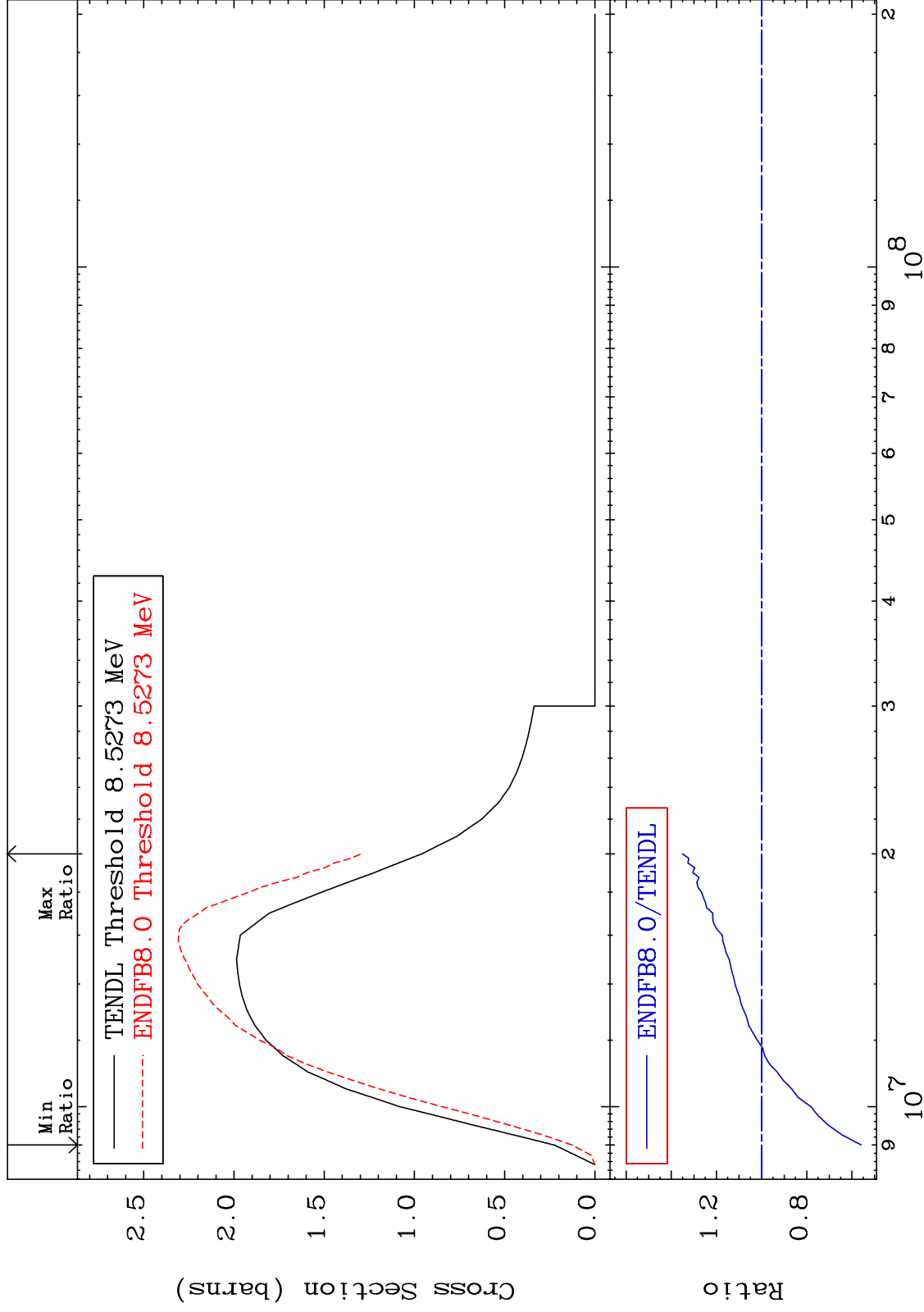
MAT 6837

(n,2n)

68-Er-166

Cross Section

-44.16 To 35.06 %



4

Incident Energy (eV)

68-Er-166

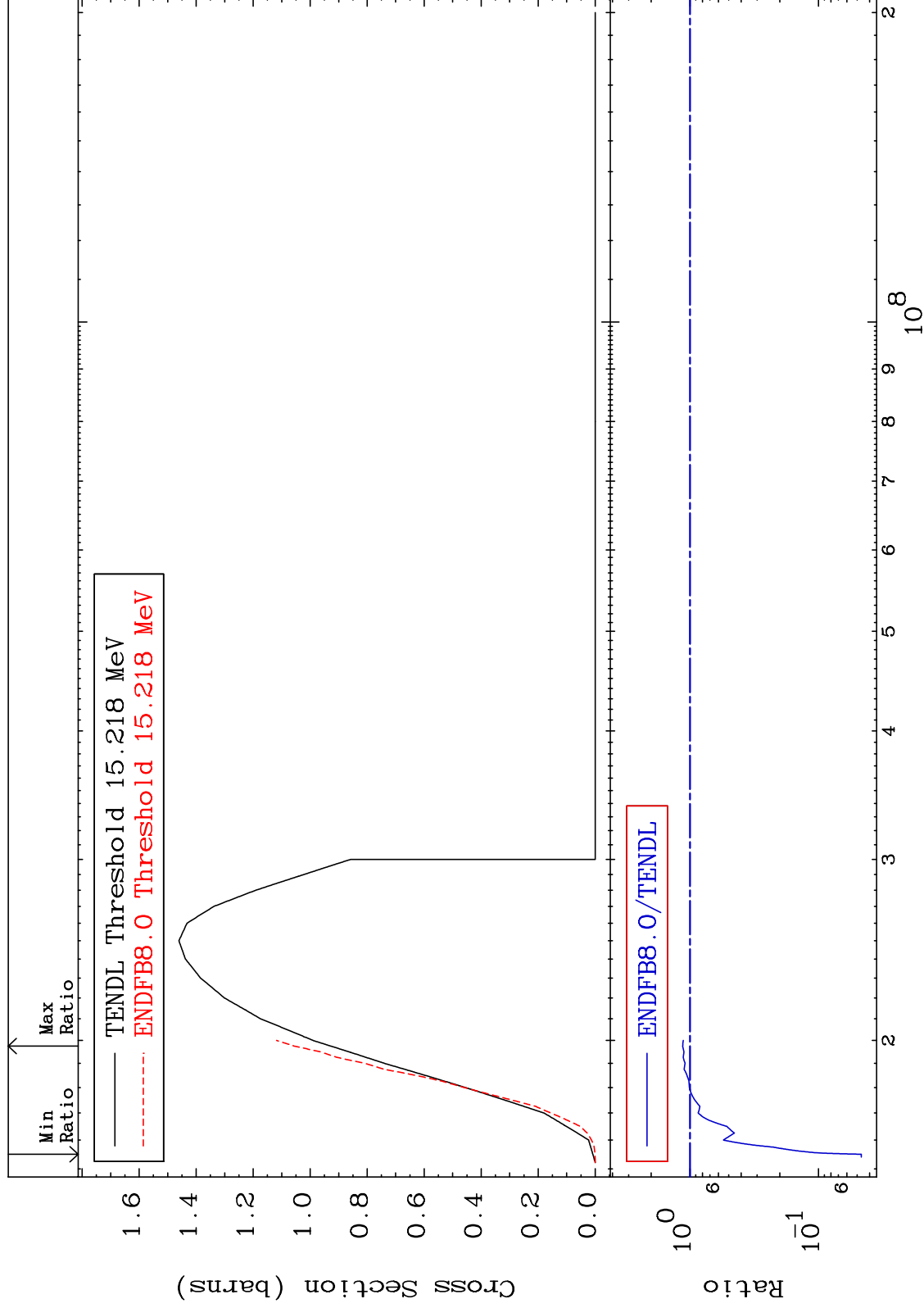
MAT 6837

(n,3n)

68-Er-166

Cross Section

-95.37 To 13.89 %



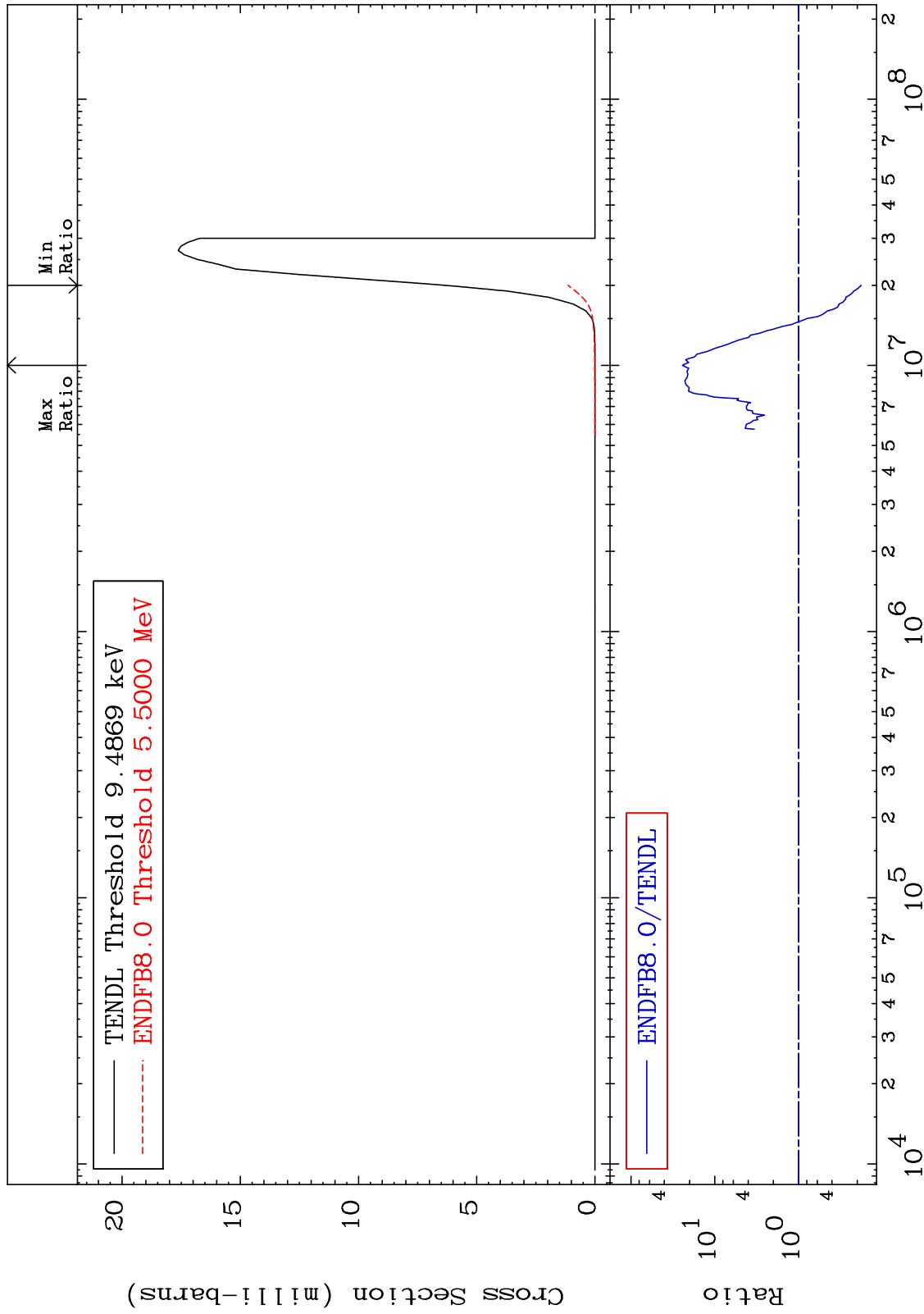
MAT 6837

(n, n') α

68-Er-166

Cross Section

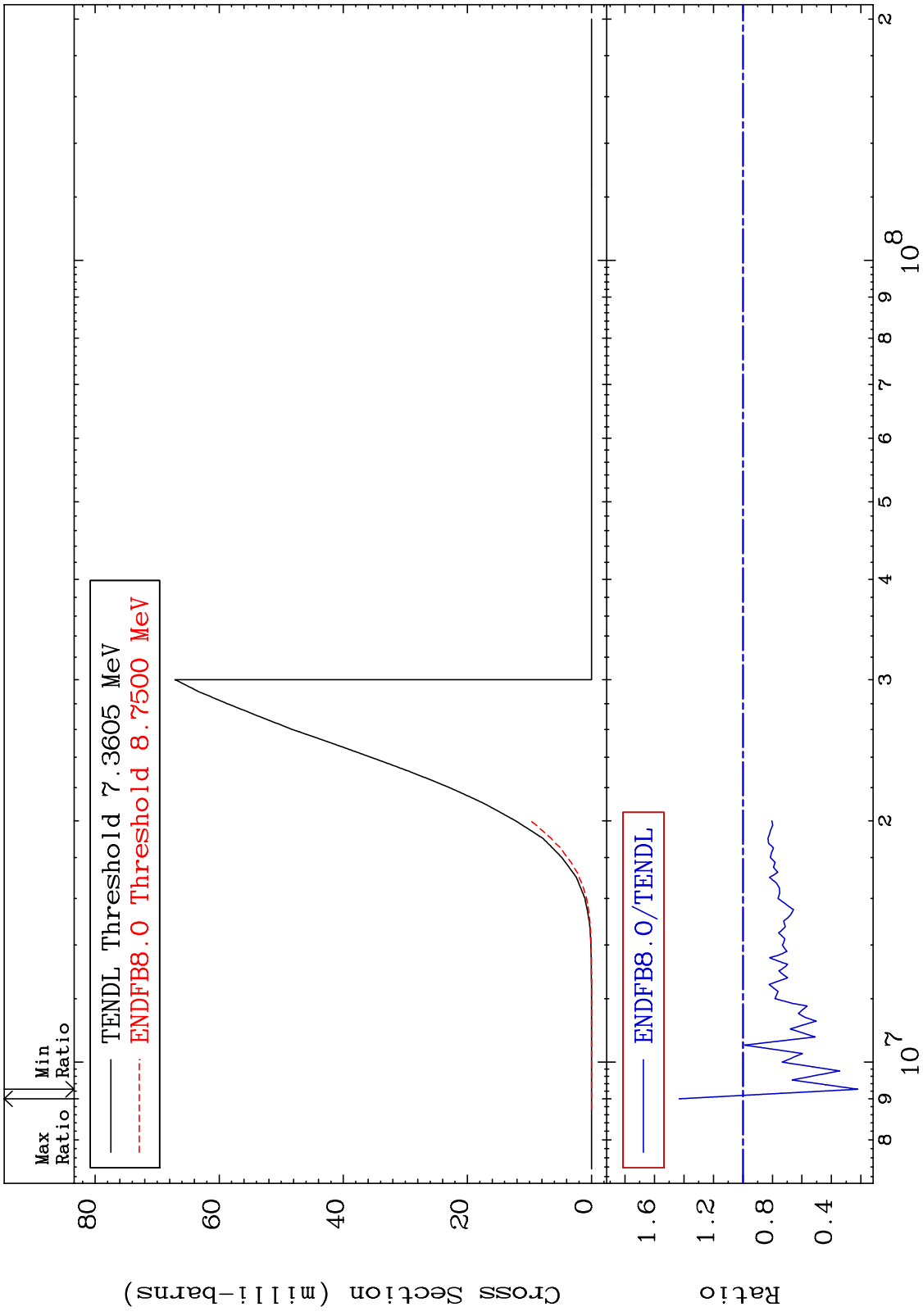
-82.08 To 2330. %



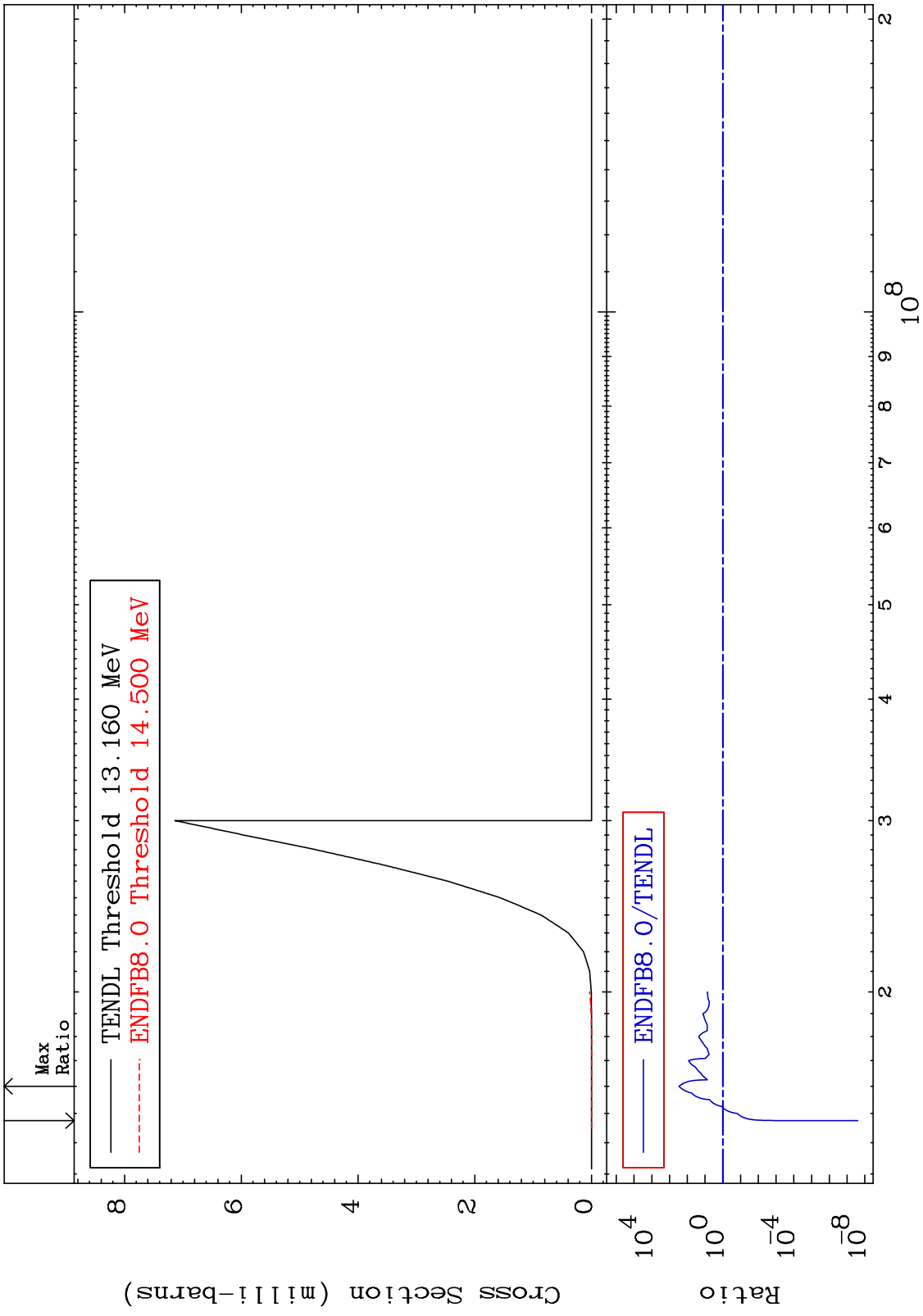
Incident Energy (eV)

68-Er-166

MAT 6837 (n,n') p 68-Er-166
 Cross Section -77.91 To 43.33 %



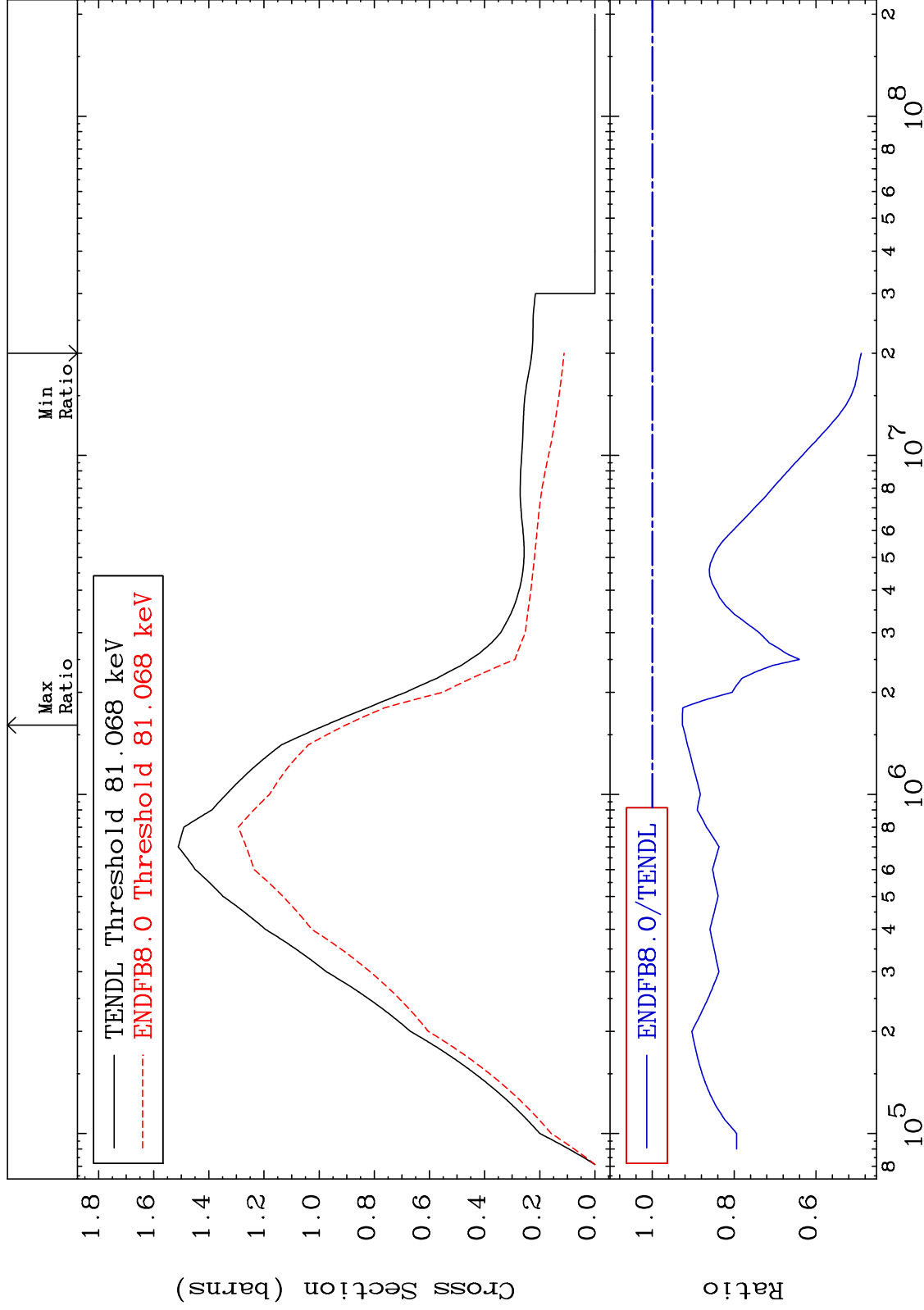
7 68-Er-166



MAT 6837

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

68-Er-166
-51.06 To -7.368%

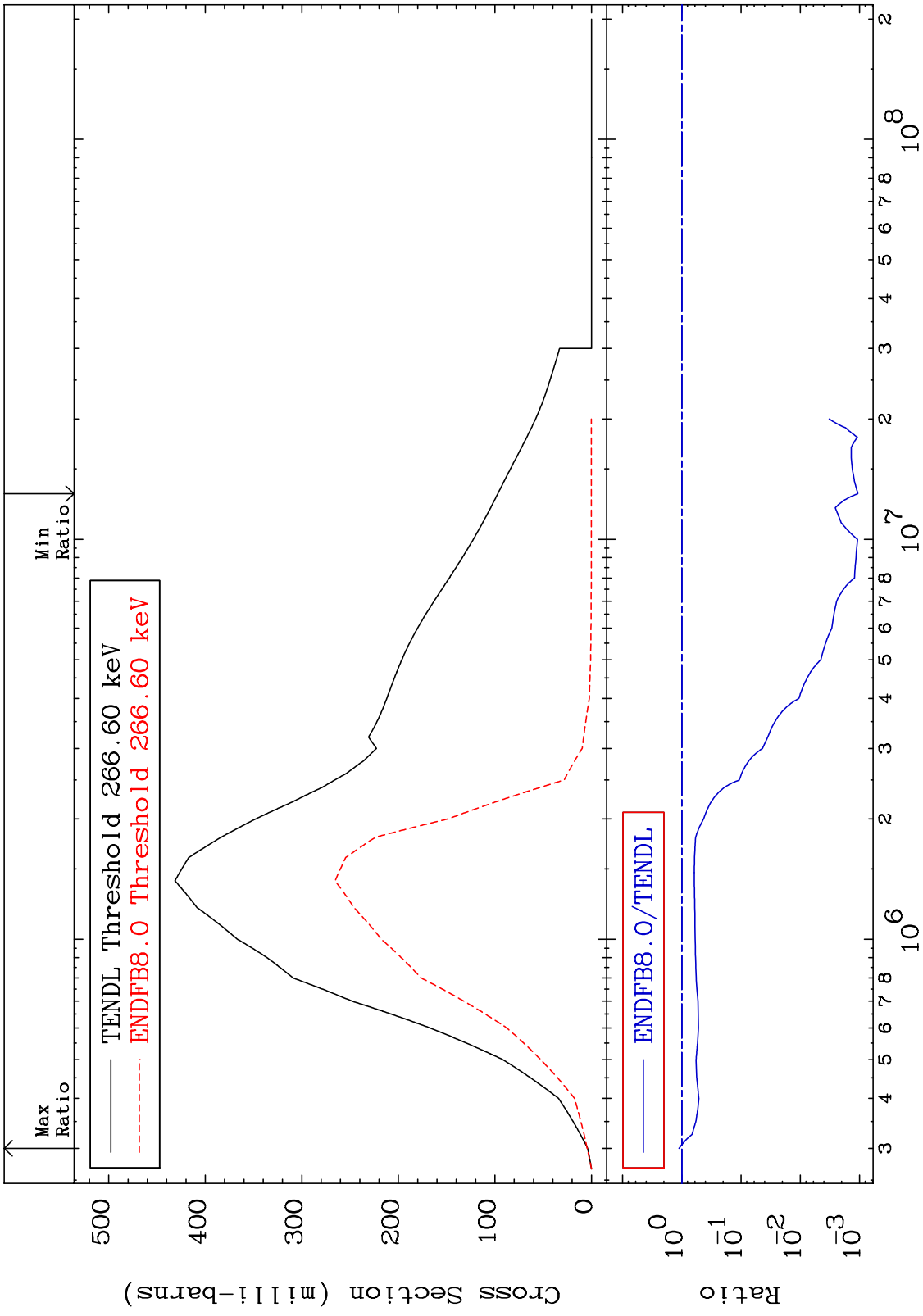


9

Incident Energy (eV)

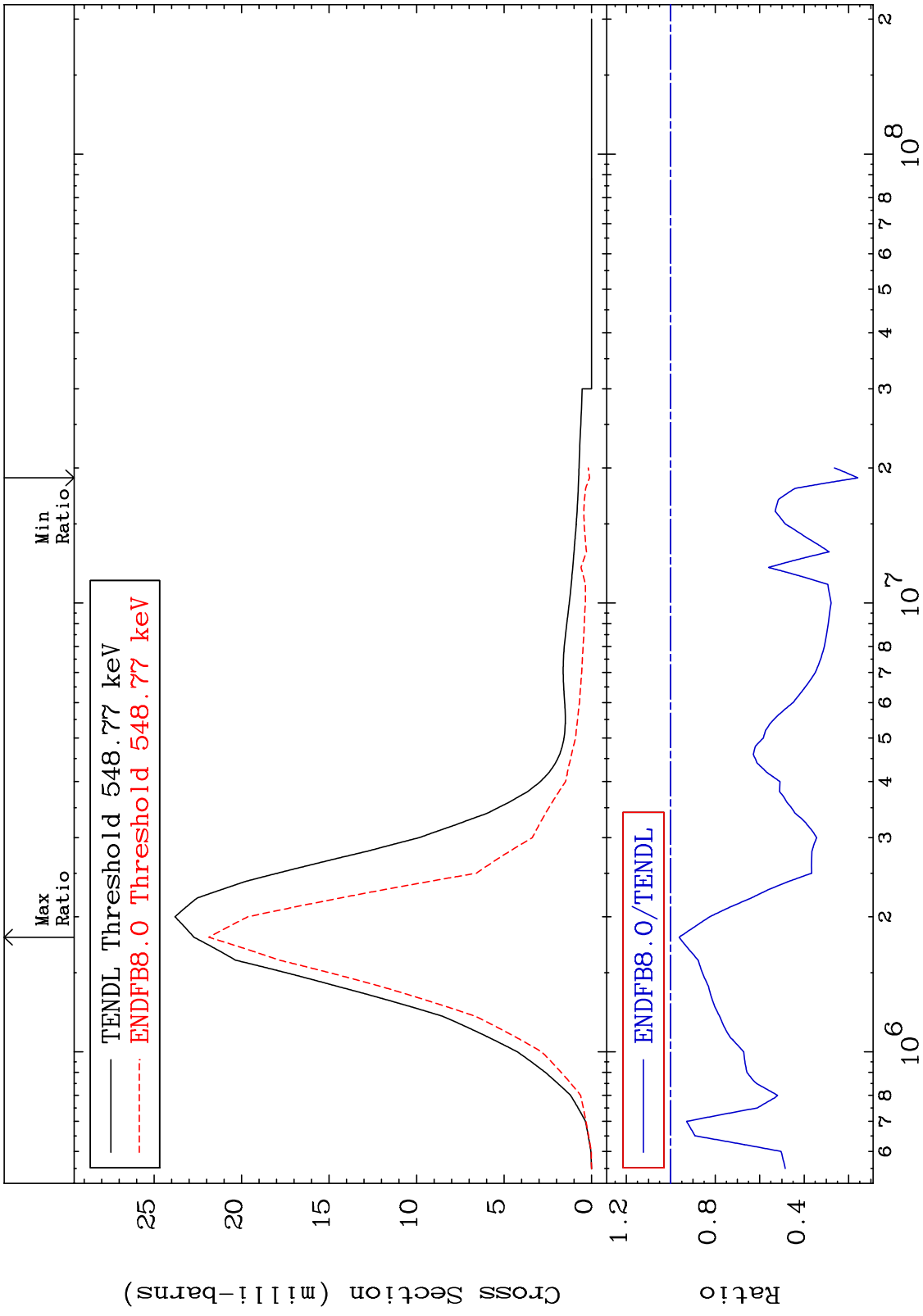
68-Er-166

MAT 6837 MT= 52 (n,n') Level Cross Section 68-Er-166 -99.89 To 11.10 %

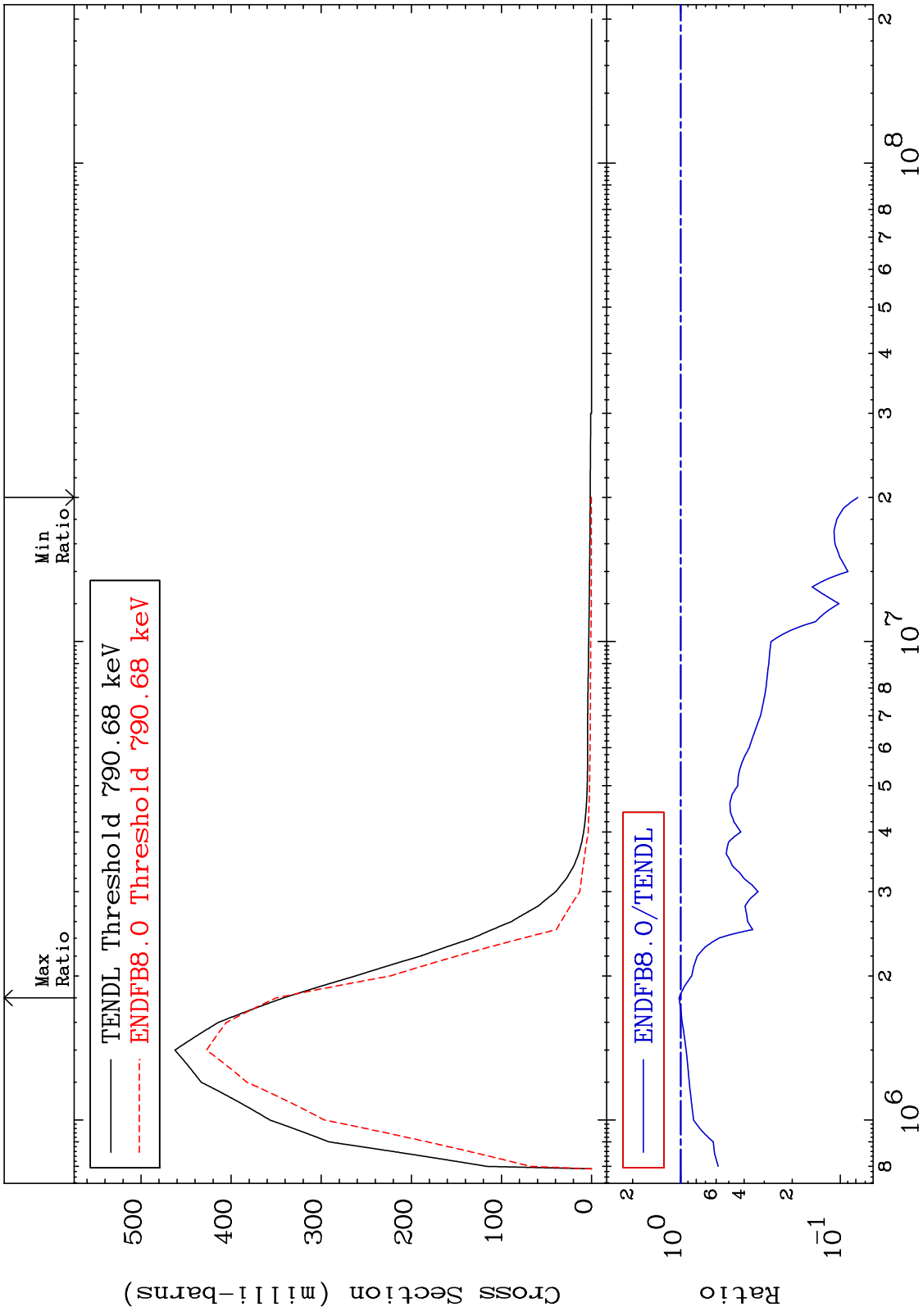


10 Incident Energy (eV) 68-Er-166

MAT 6837 MT= 53 (n,n') Level Cross Section 68-Er-166
 -84.16 To -3.736%



MAT 6837 MT= 54 (n,n') Level Cross Section 68-Er-166 -92.23 To 2.368 %

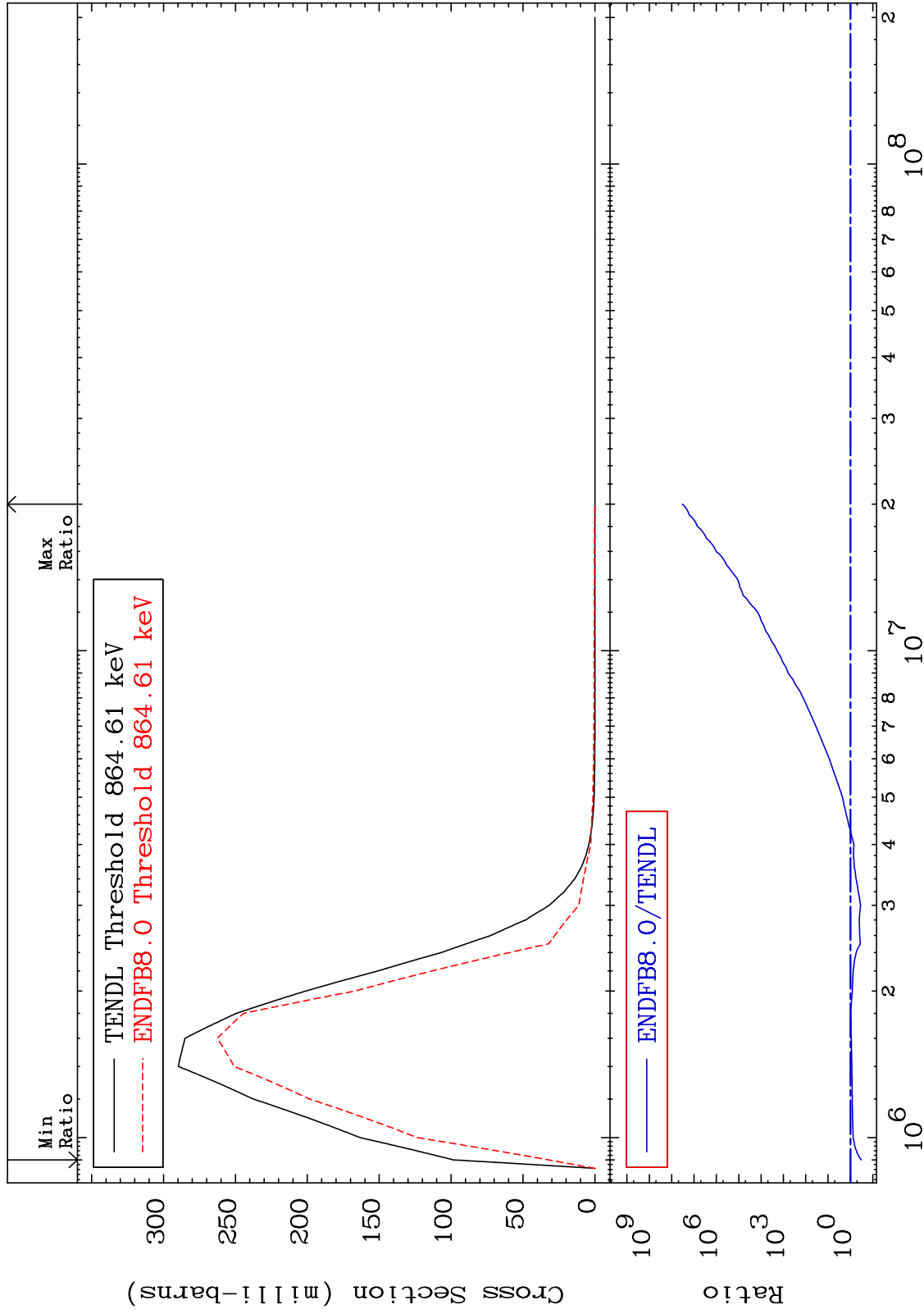


12 Incident Energy (eV) 68-Er-166

MAT 6837

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

68-Er-166
-67.20 To 9999. %



13

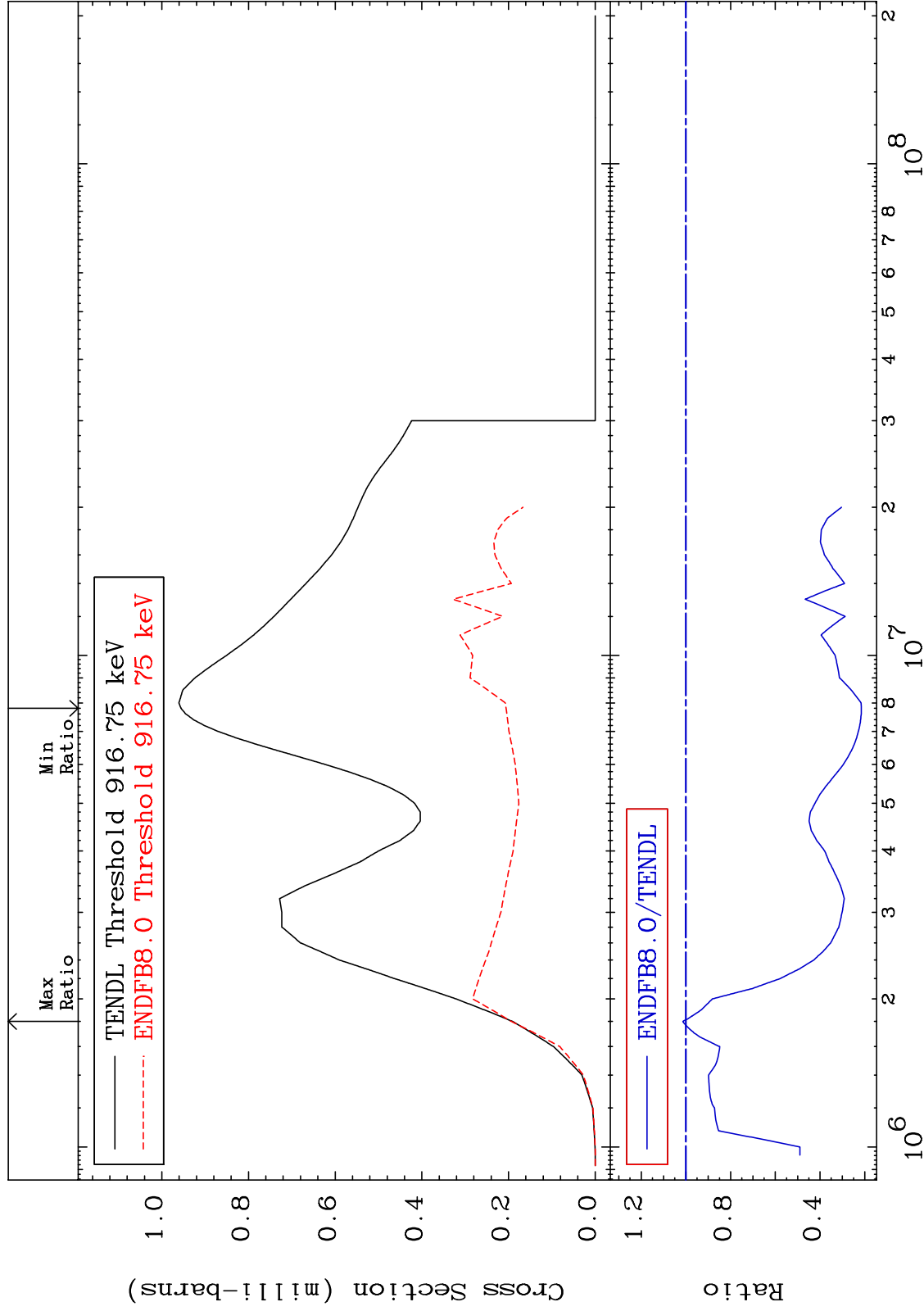
Incident Energy (eV)

68-Er-166

MAT 6837

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

68-Er-166
-78.48 To 1.452 %

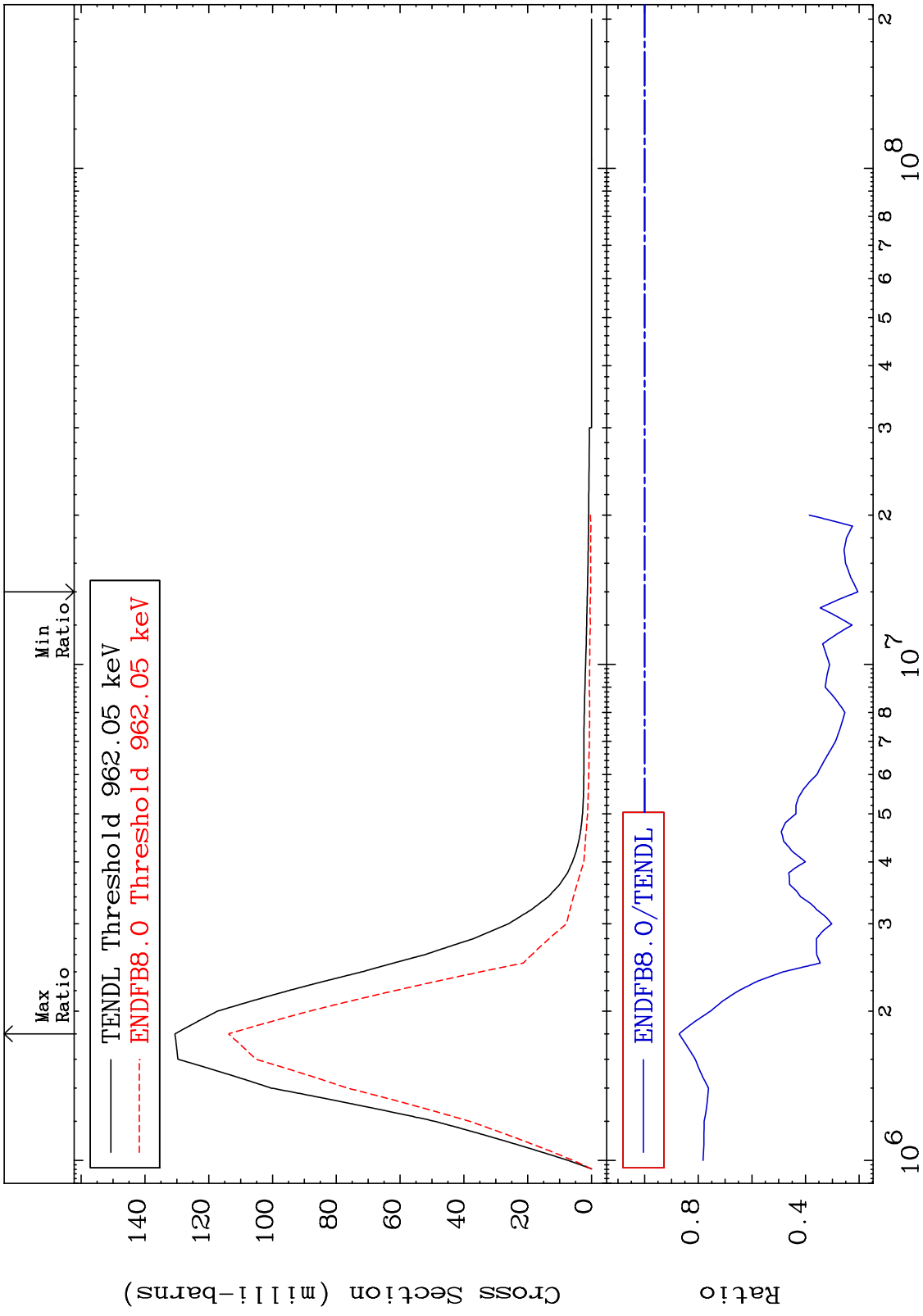


14

Incident Energy (eV)

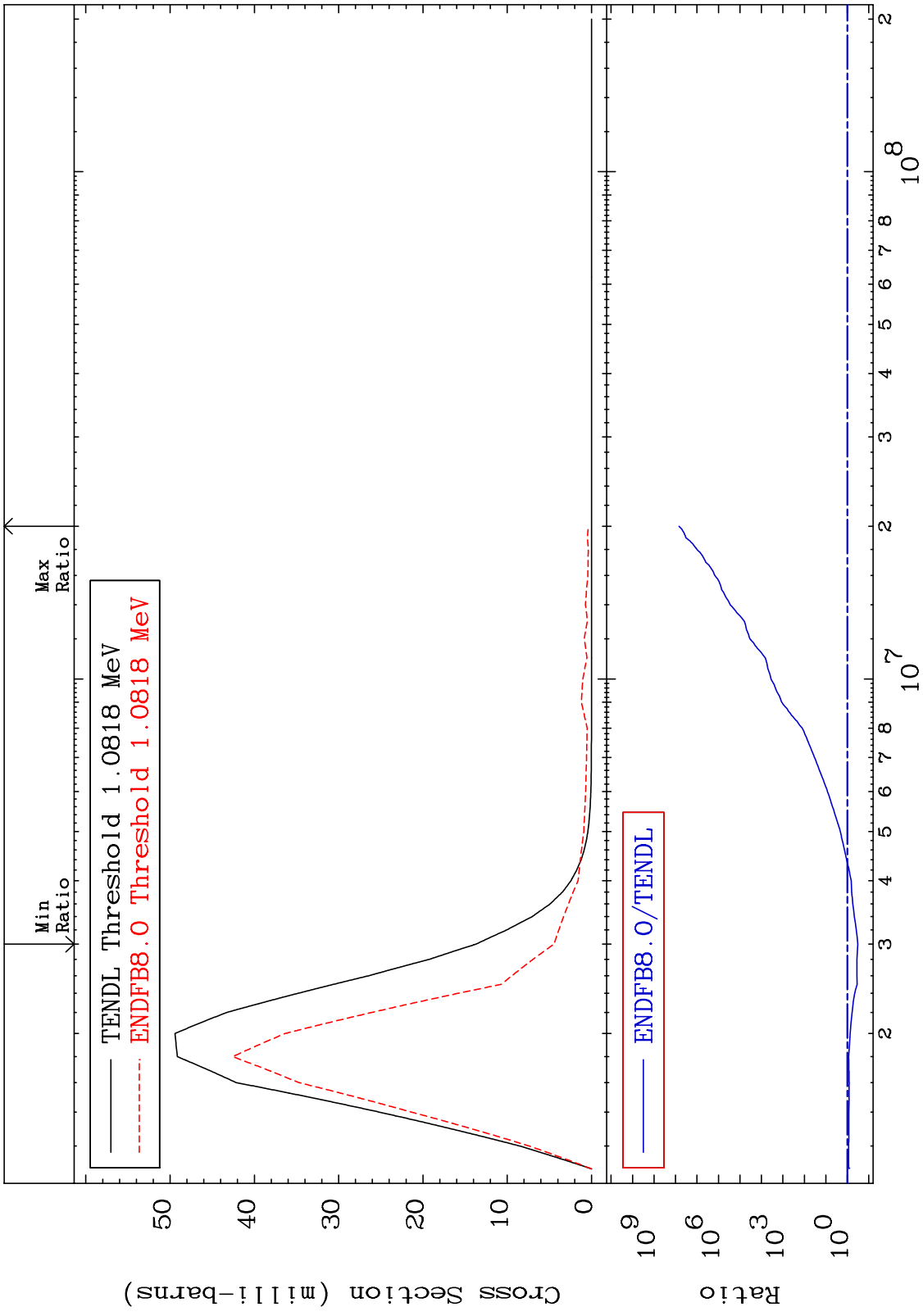
68-Er-166

MAT 6837 MT= 57 (n,n') Level Cross Section 68-Er-166 -79.51 To -12.82%

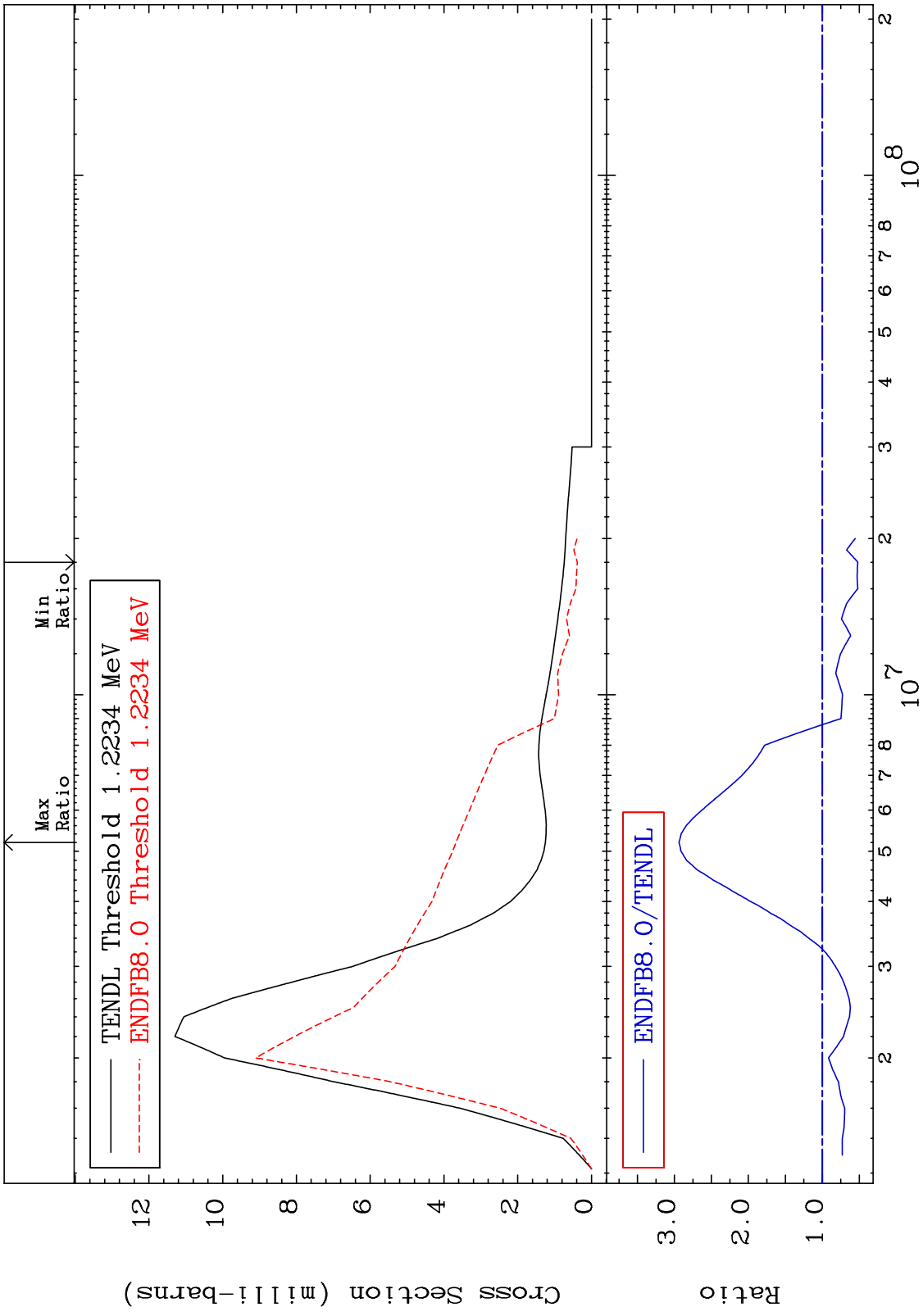


15 Incident Energy (eV) 68-Er-166

MAT 6837 MT= 58 (n,n') Level Cross Section 68-Er-166
 -67.53 To 9999. %



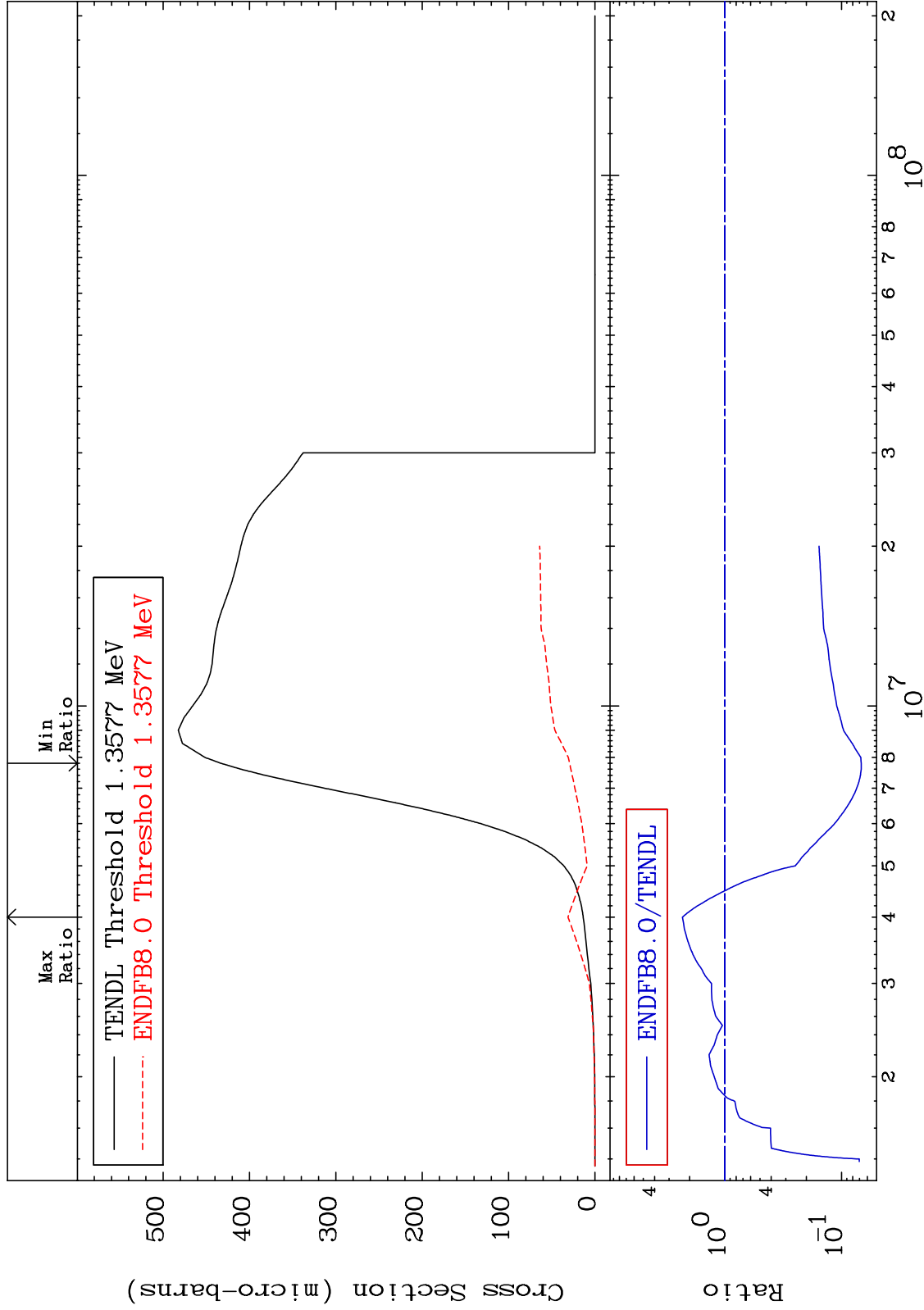
MAT 6837 MT= 59 (n,n') Level Cross Section 68-Er-166
 -48.10 To 193.8 %



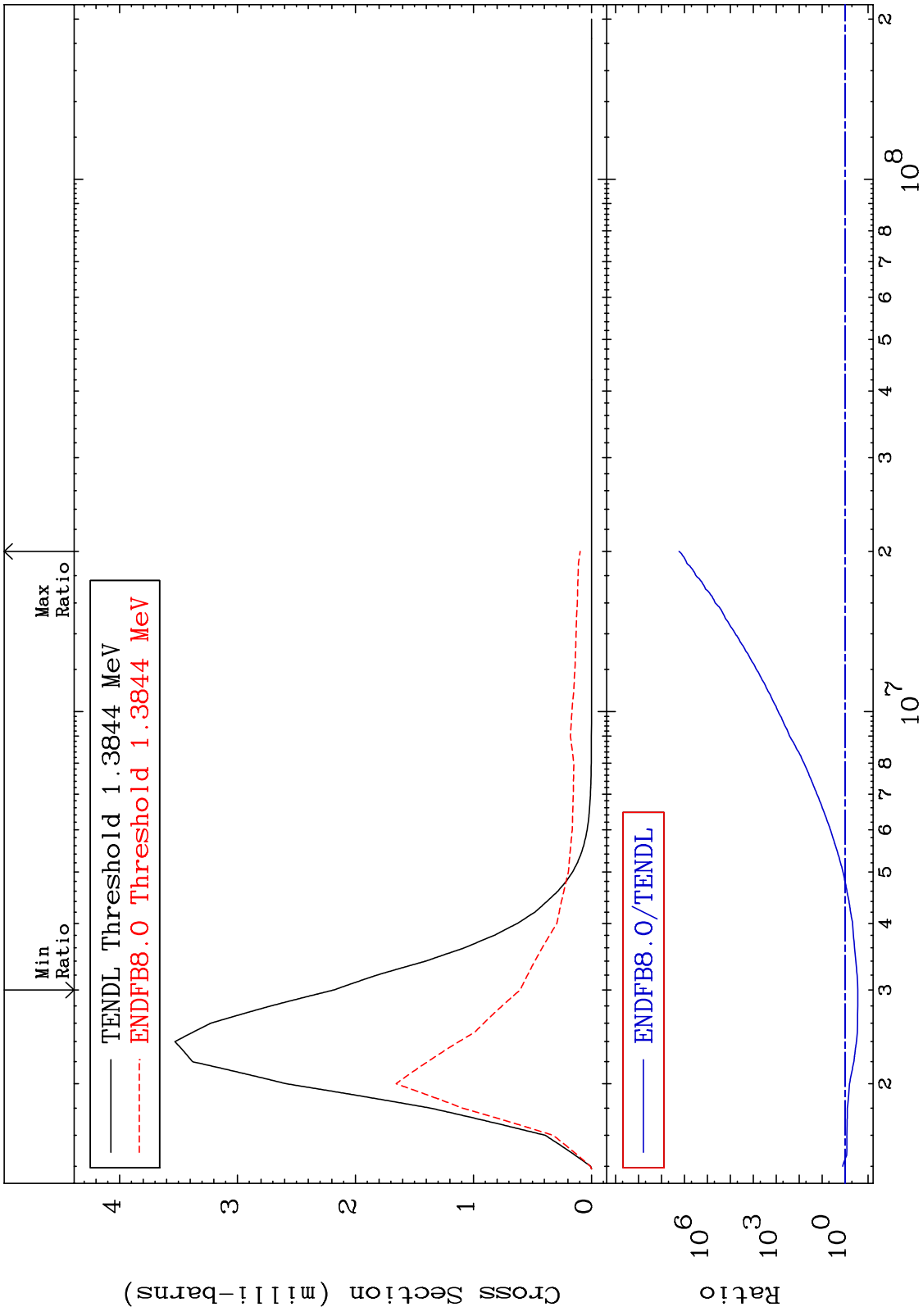
MAT 6837

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

68-Er-166
-93.24 To 130.7 %



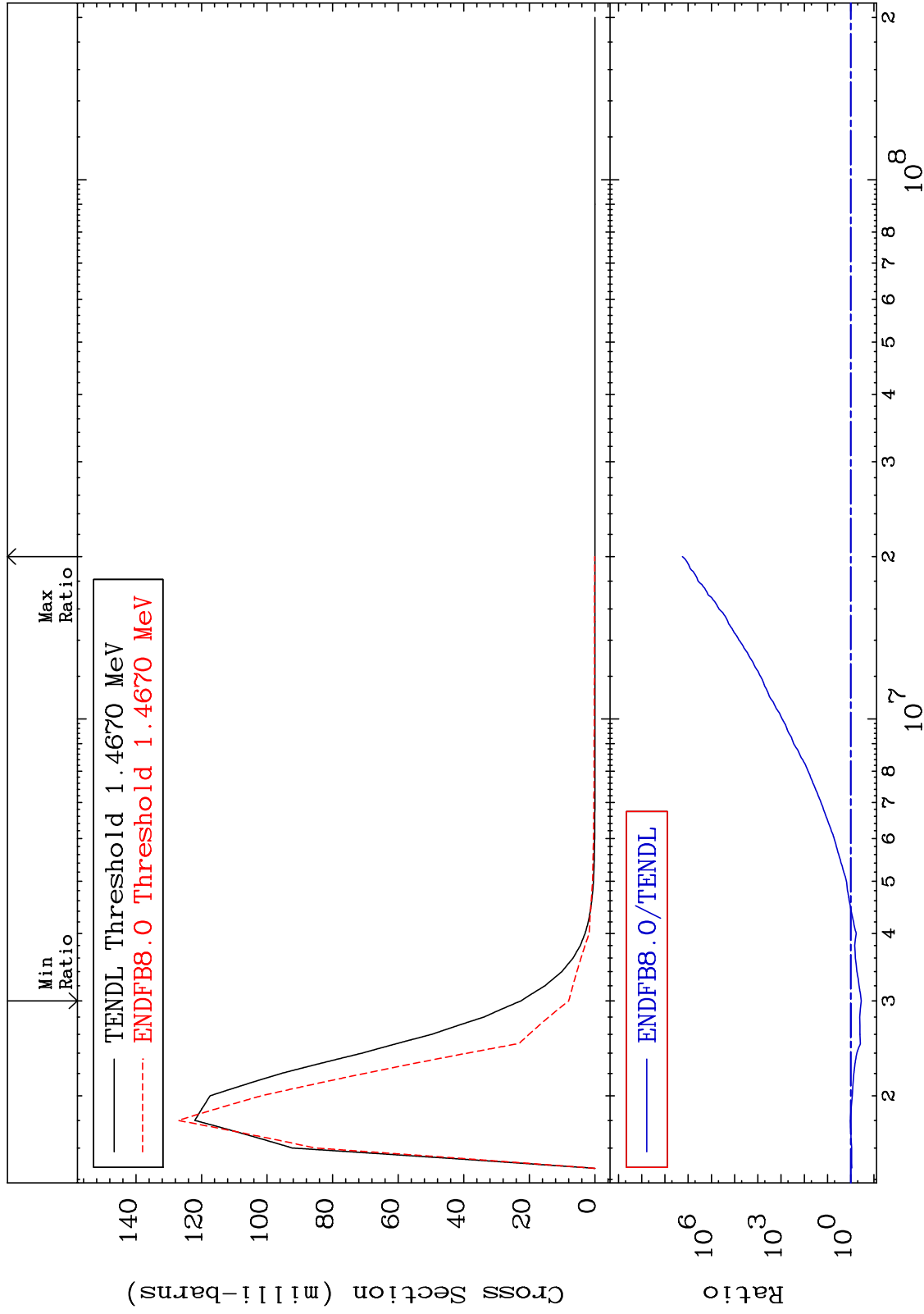
MAT 6837 MT= 61 (n,n') Level Cross Section 68-Er-166
 -72.33 To 9999. %



MAT 6837

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

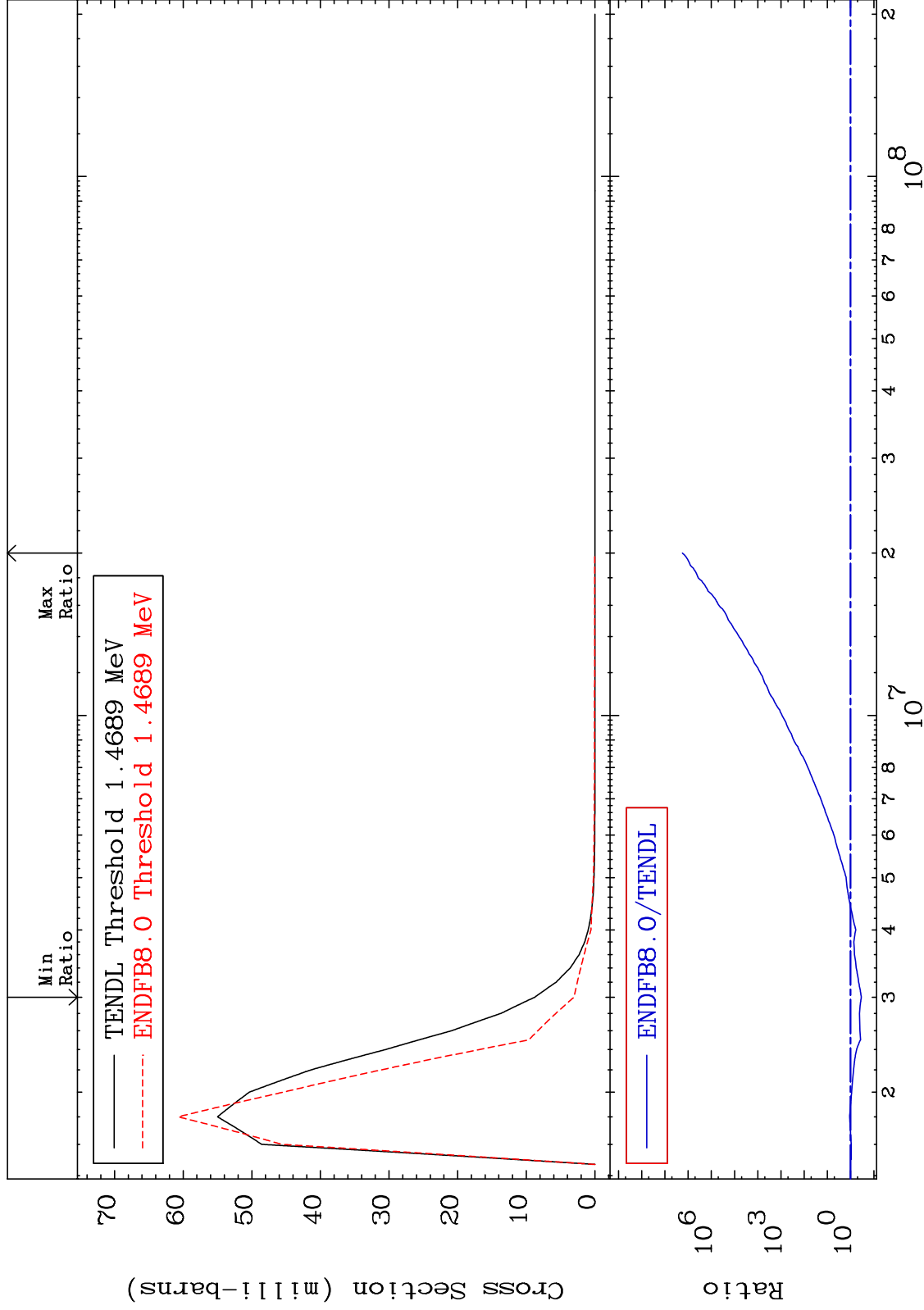
68-Er-166
-64.65 To 9999. %



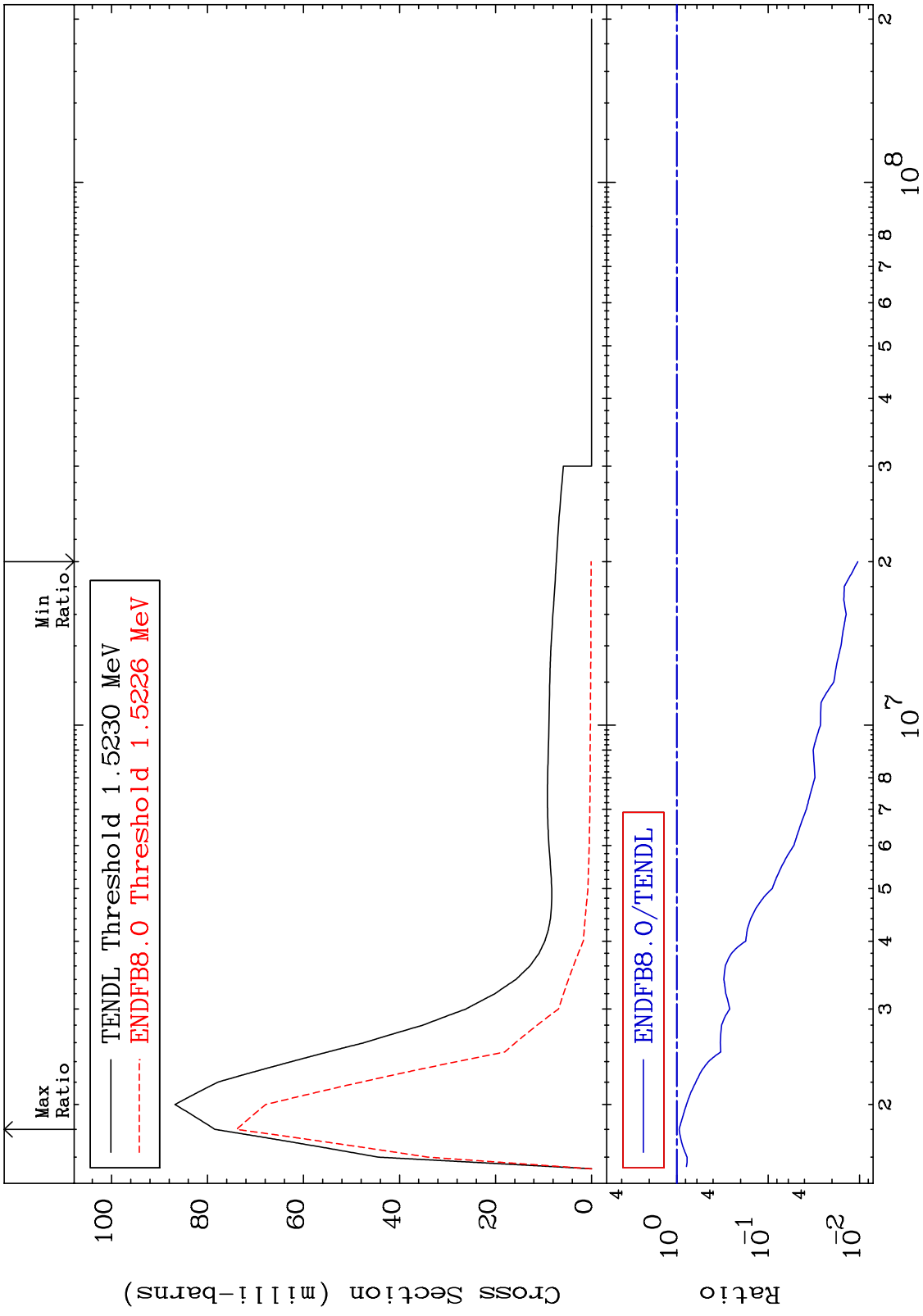
MAT 6837

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

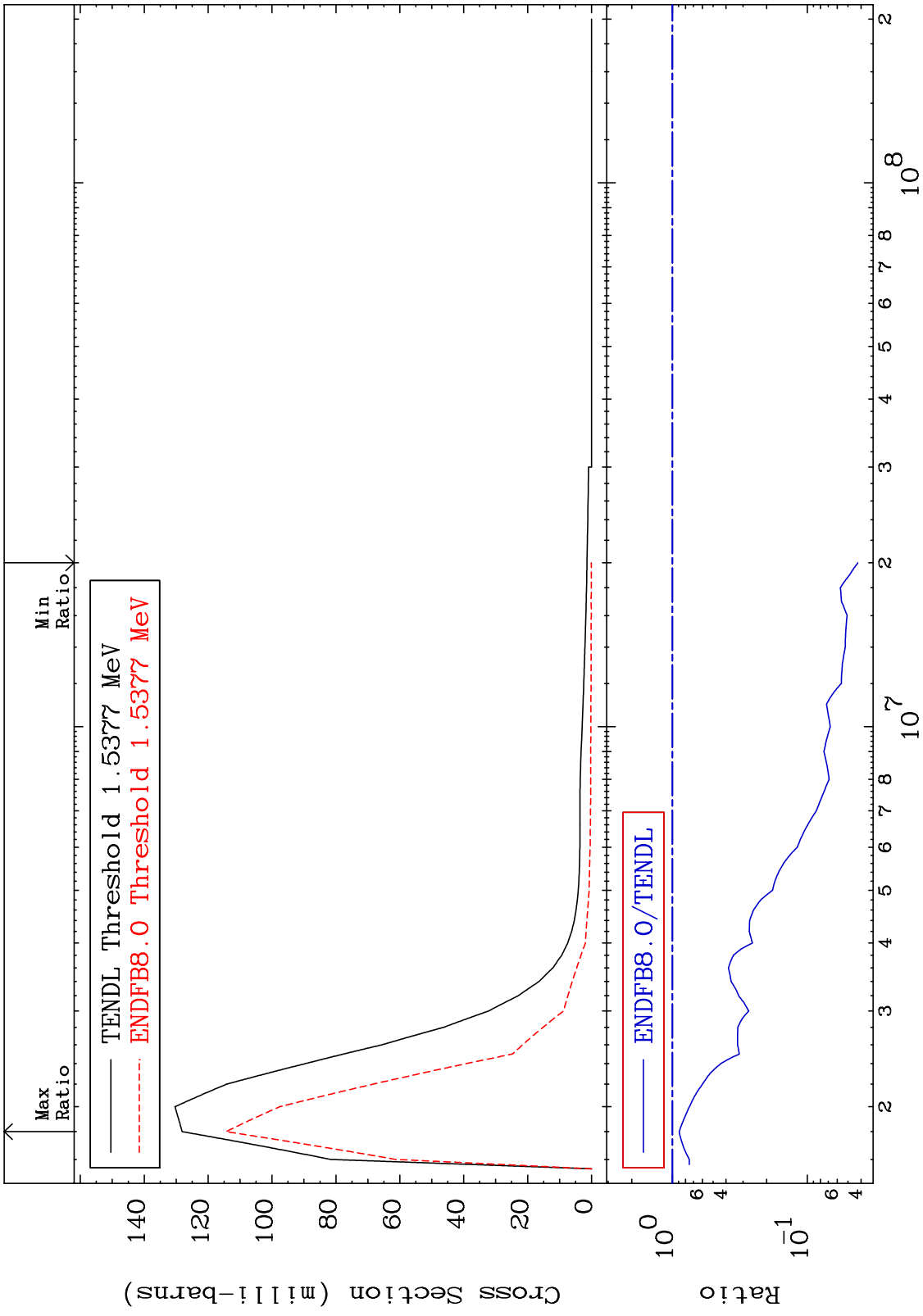
68-Er-166
-65.24 To 9999. %



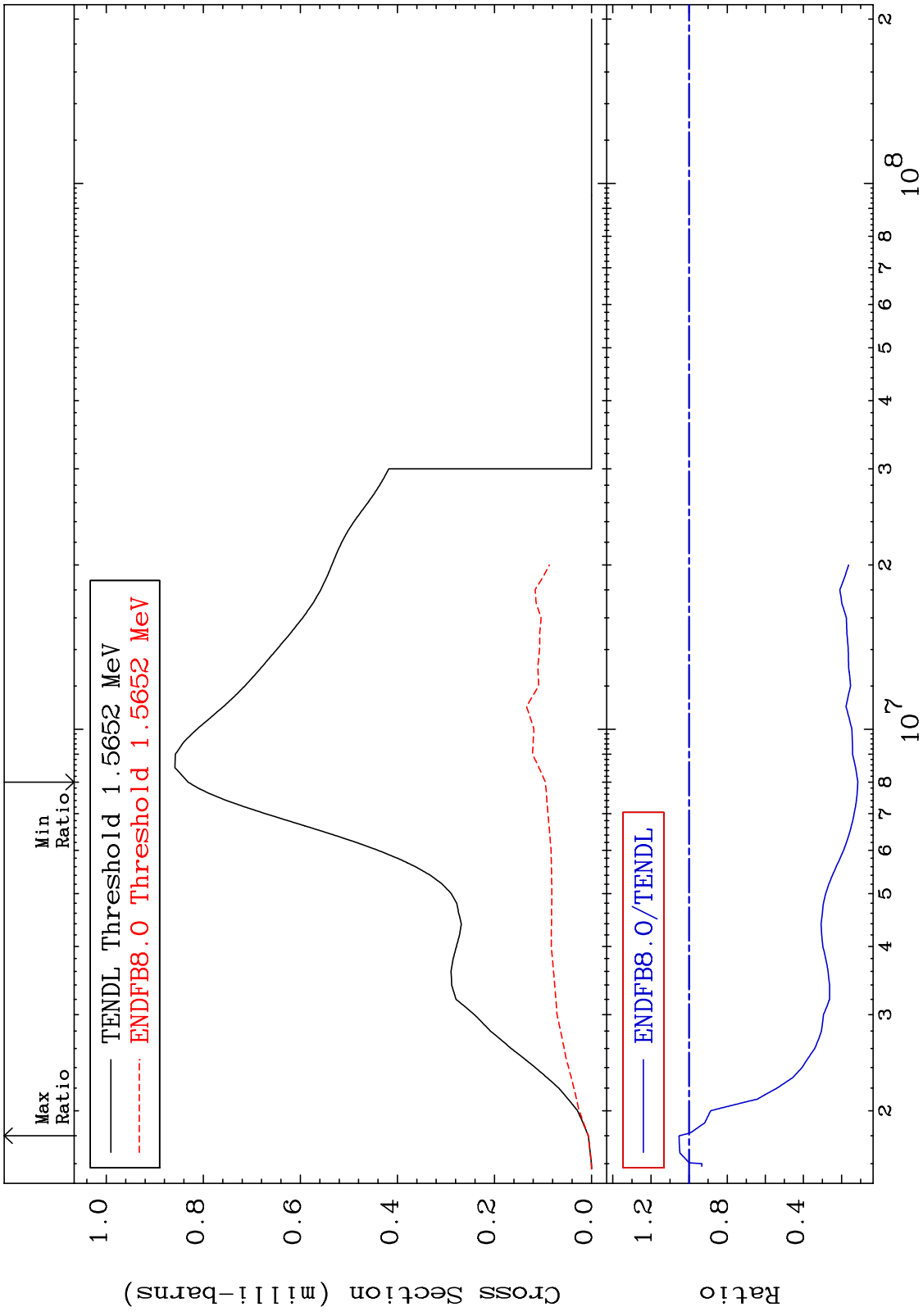
MAT 6837 MT= 64 (n,n') Level Cross Section 68-Er-166 -98.96 To -5.758%



MAT 6837 MT= 65 (n,n') Level Cross Section 68-Er-166 -95.78 To -10.72%



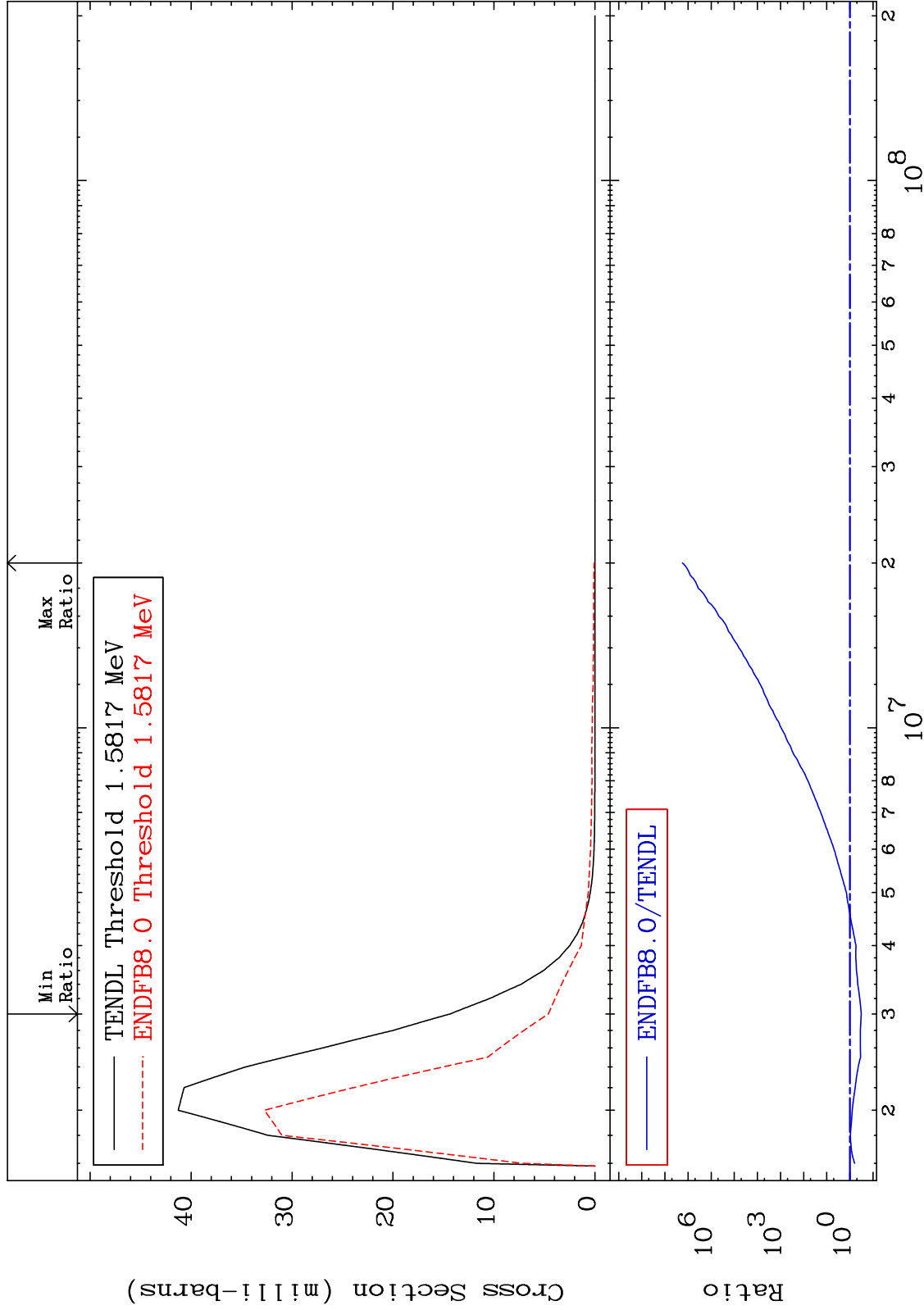
MAT 6837 MT= 66 (n,n') Level Cross Section 68-Er-166 -88.56 To 5.263 %



MAT 6837

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

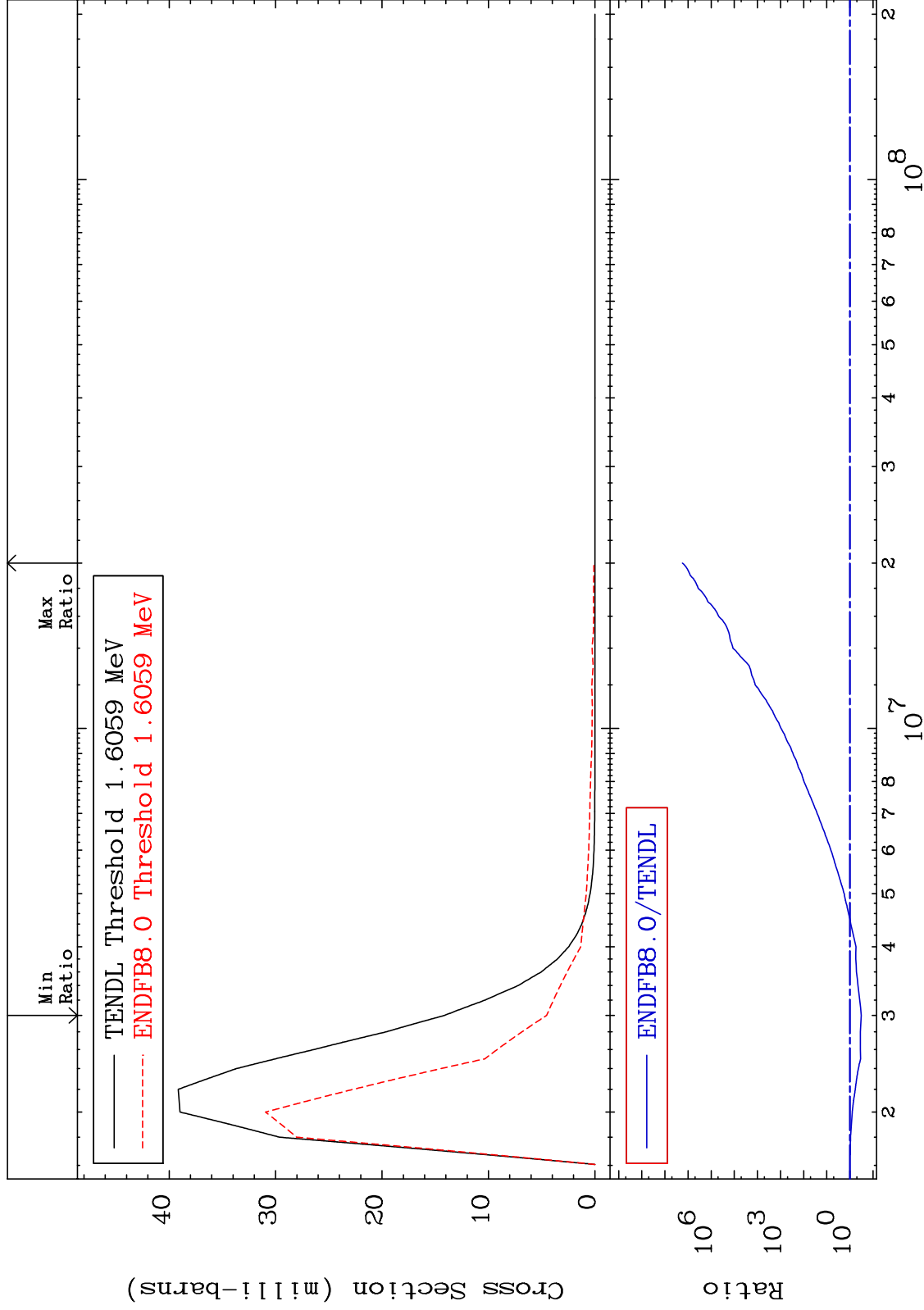
68-Er-166
-67.91 To 9999. %



MAT 6837

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

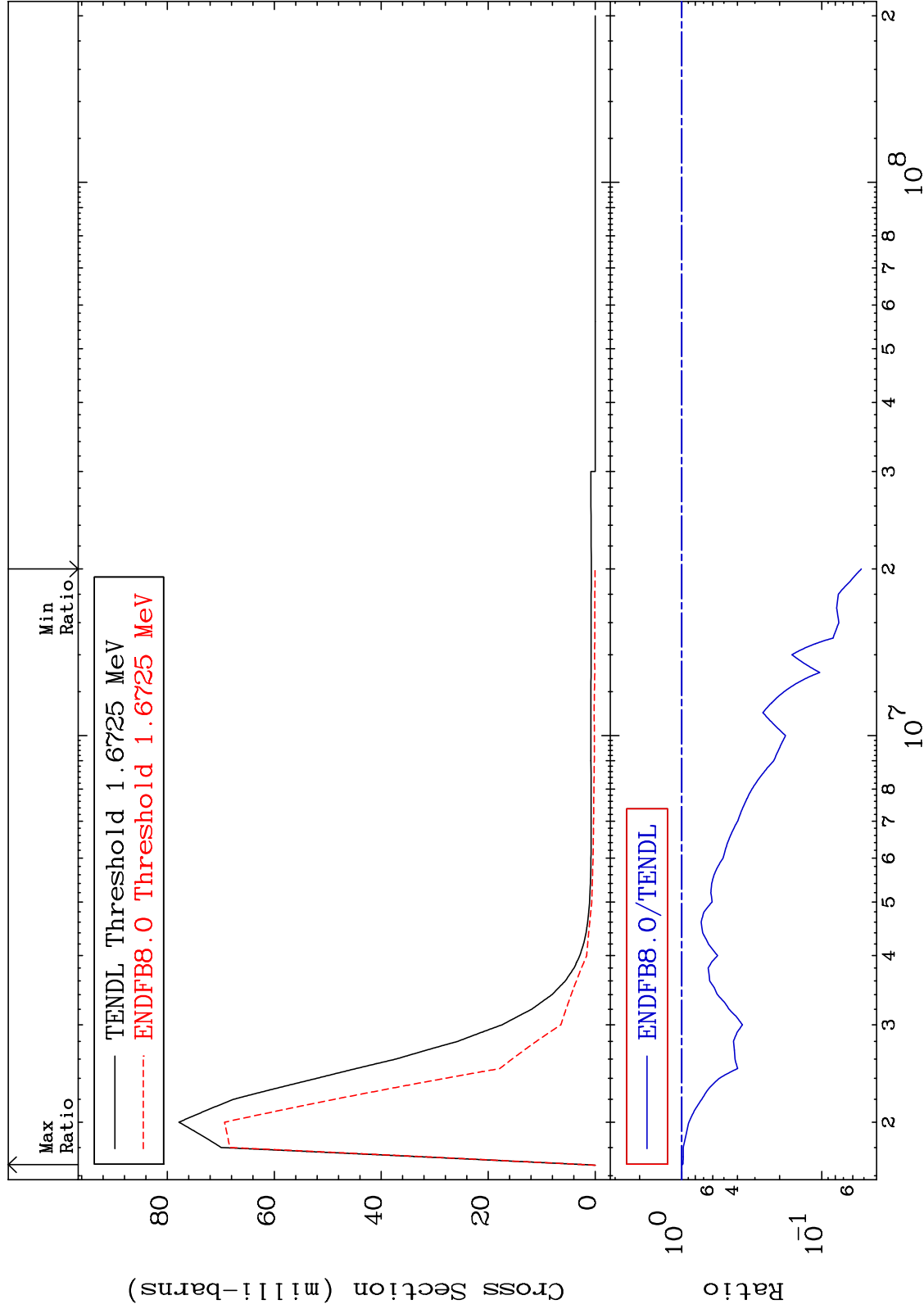
68-Er-166
-67.96 To 9999. %



MAT 6837

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

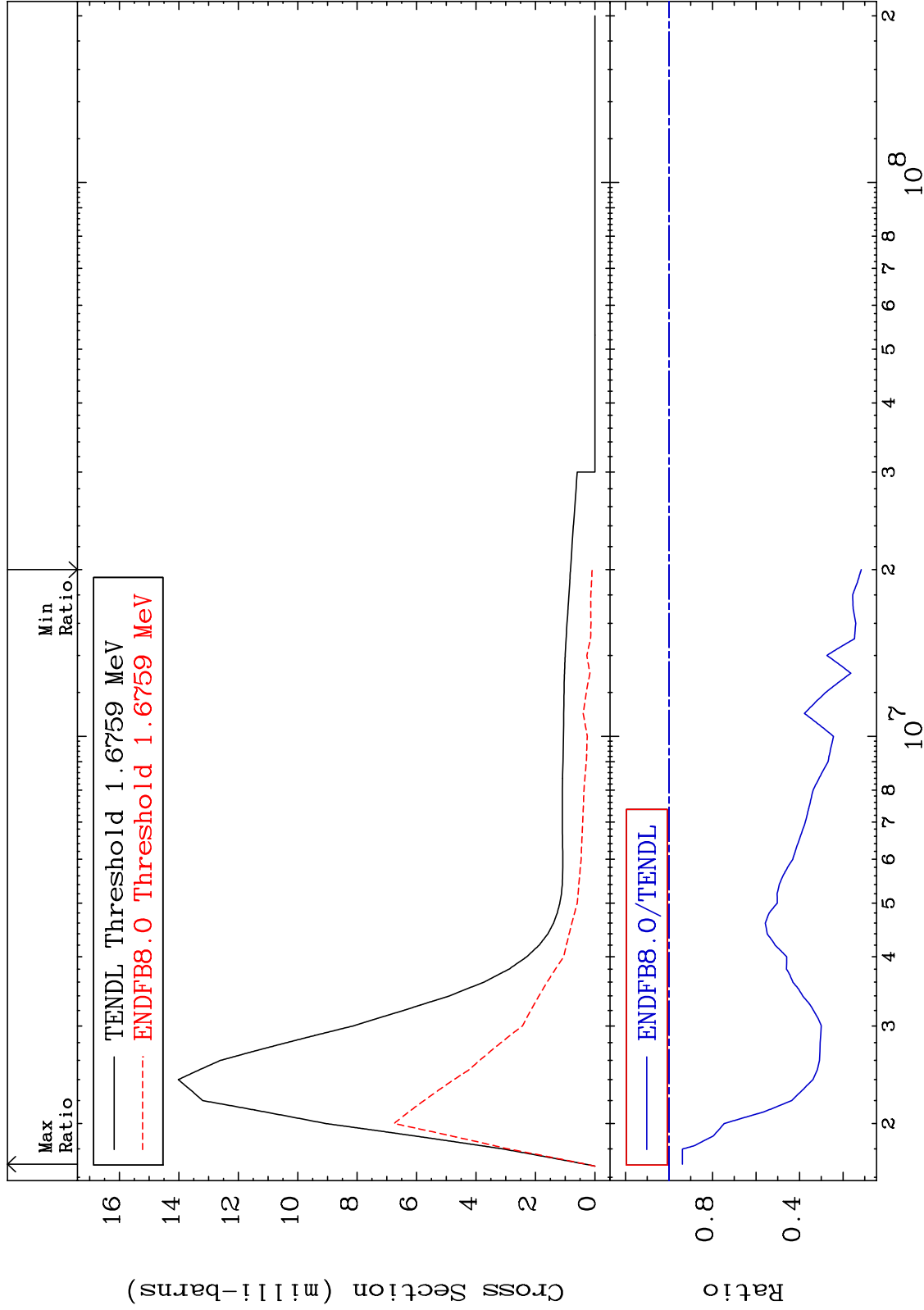
68-Er-166
-94.79 To -1.435%



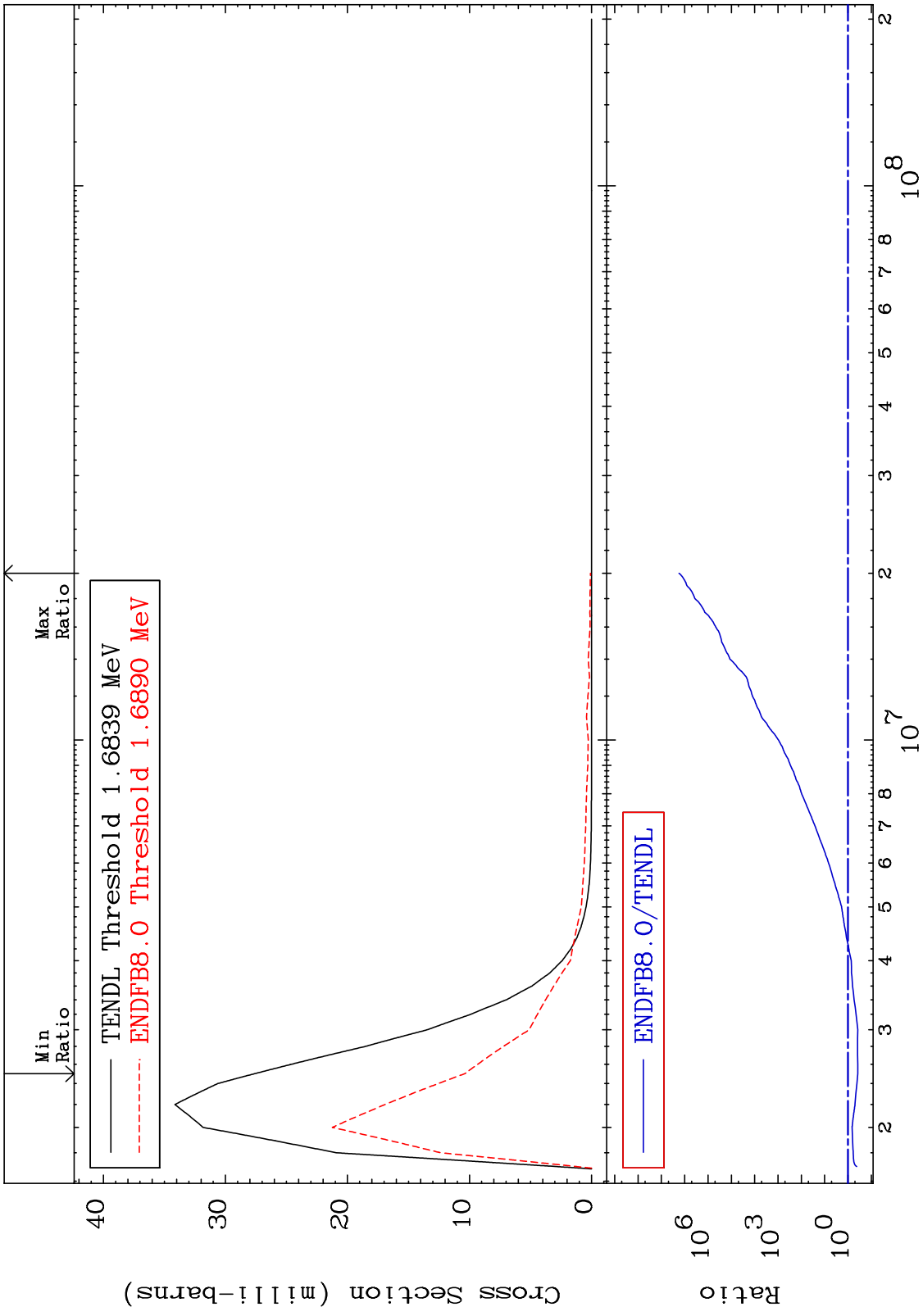
MAT 6837

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

68-Er-166
-88.41 To -6.180%



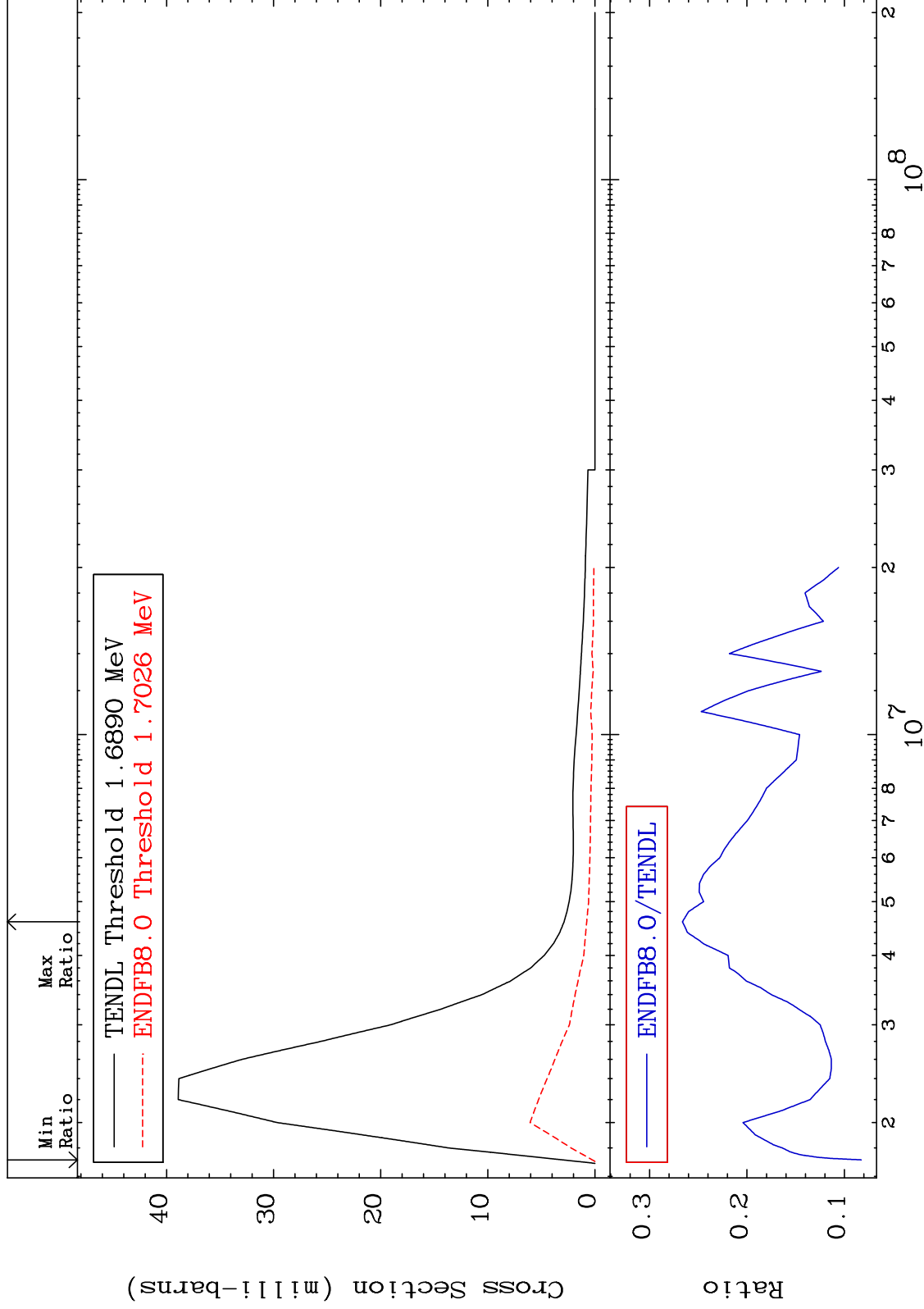
MAT 6837 MT= 71 (n,n') Level Cross Section 68-Er-166
 -62.39 To 9999. %



MAT 6837

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

68-Er-166
-91.73 To -73.38%

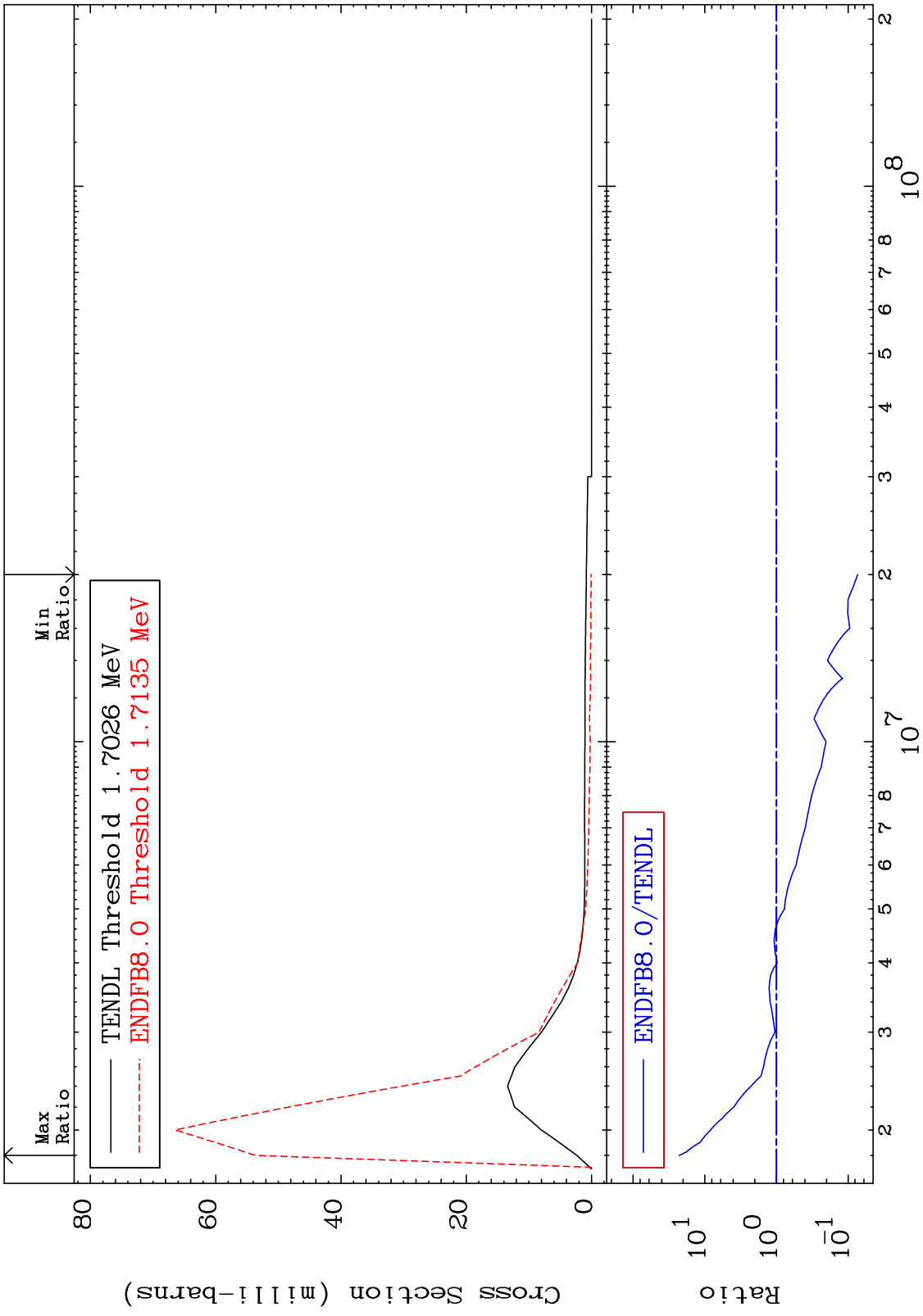


30

Incident Energy (eV)

68-Er-166

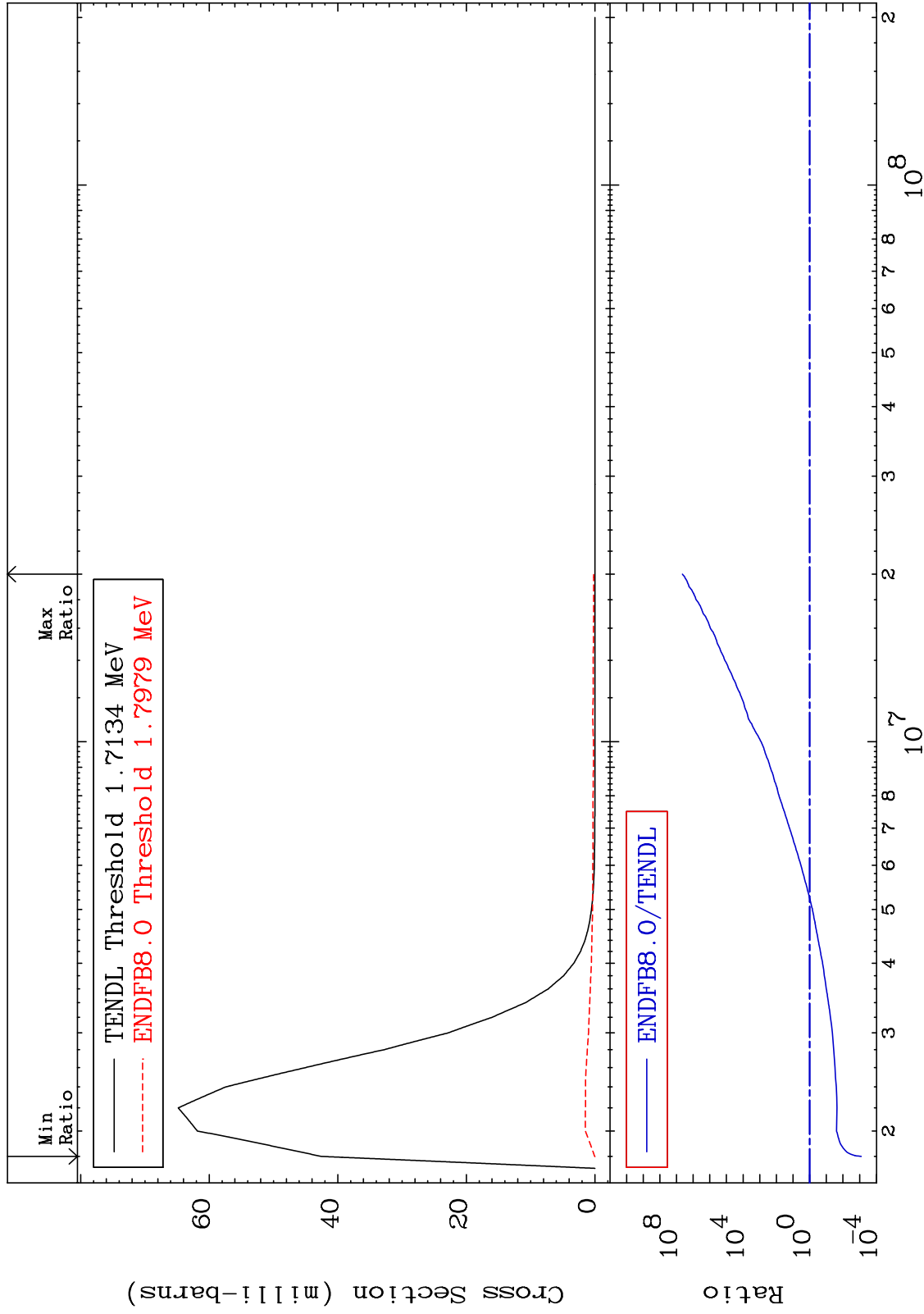
MAT 6837 MT= 73 (n,n') Level Cross Section 68-Er-166 -92.68 To 2184. %

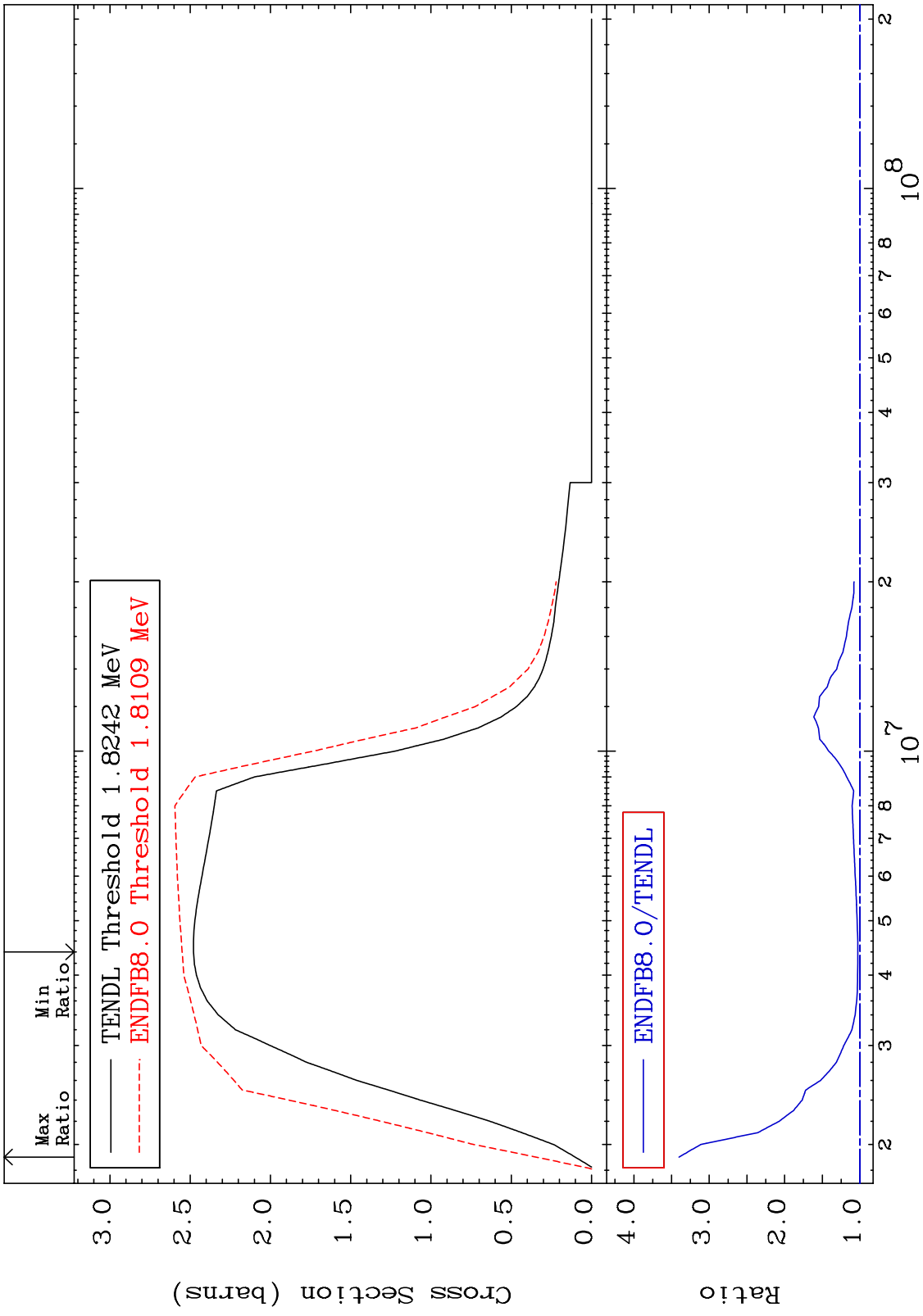


MAT 6837

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

68-Er-166
-99.92 To 9999. %

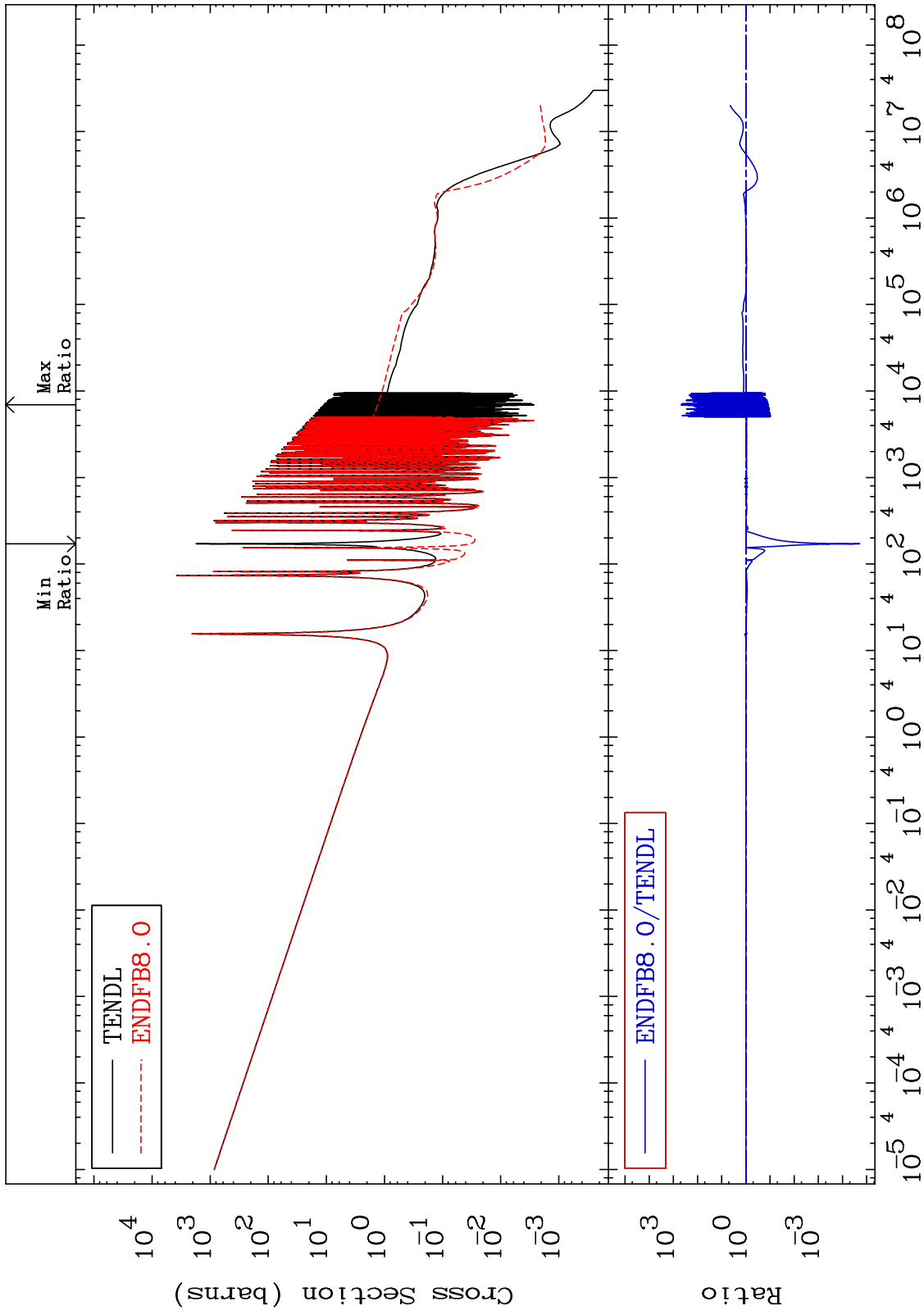




MAT 6837

(n, γ)
Cross Section

68-Er-166
-100.0 To 9999. %



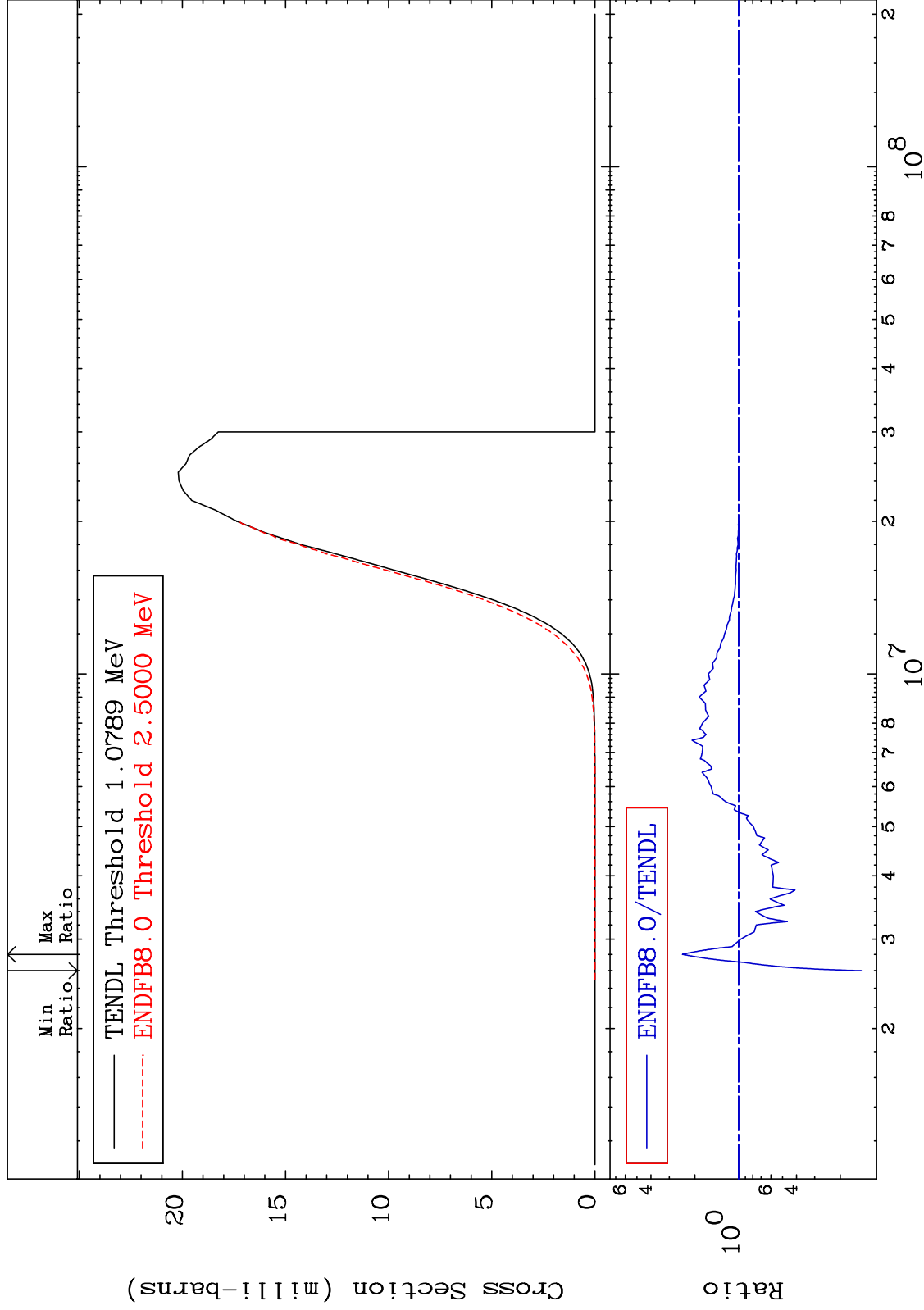
MAT 6837

(n,p)

68-Er-166

Cross Section

-85.64 To 143.2 %

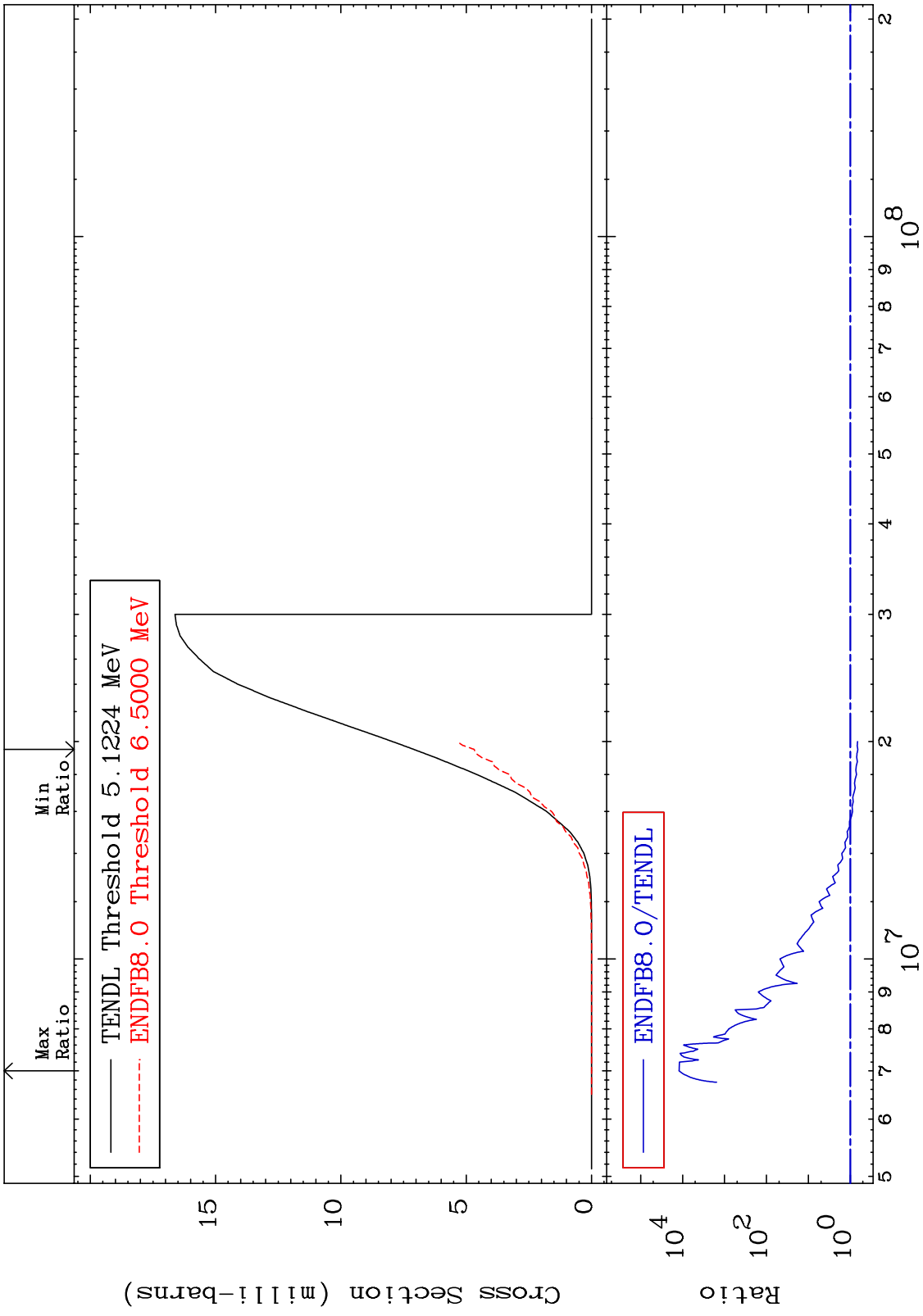


35

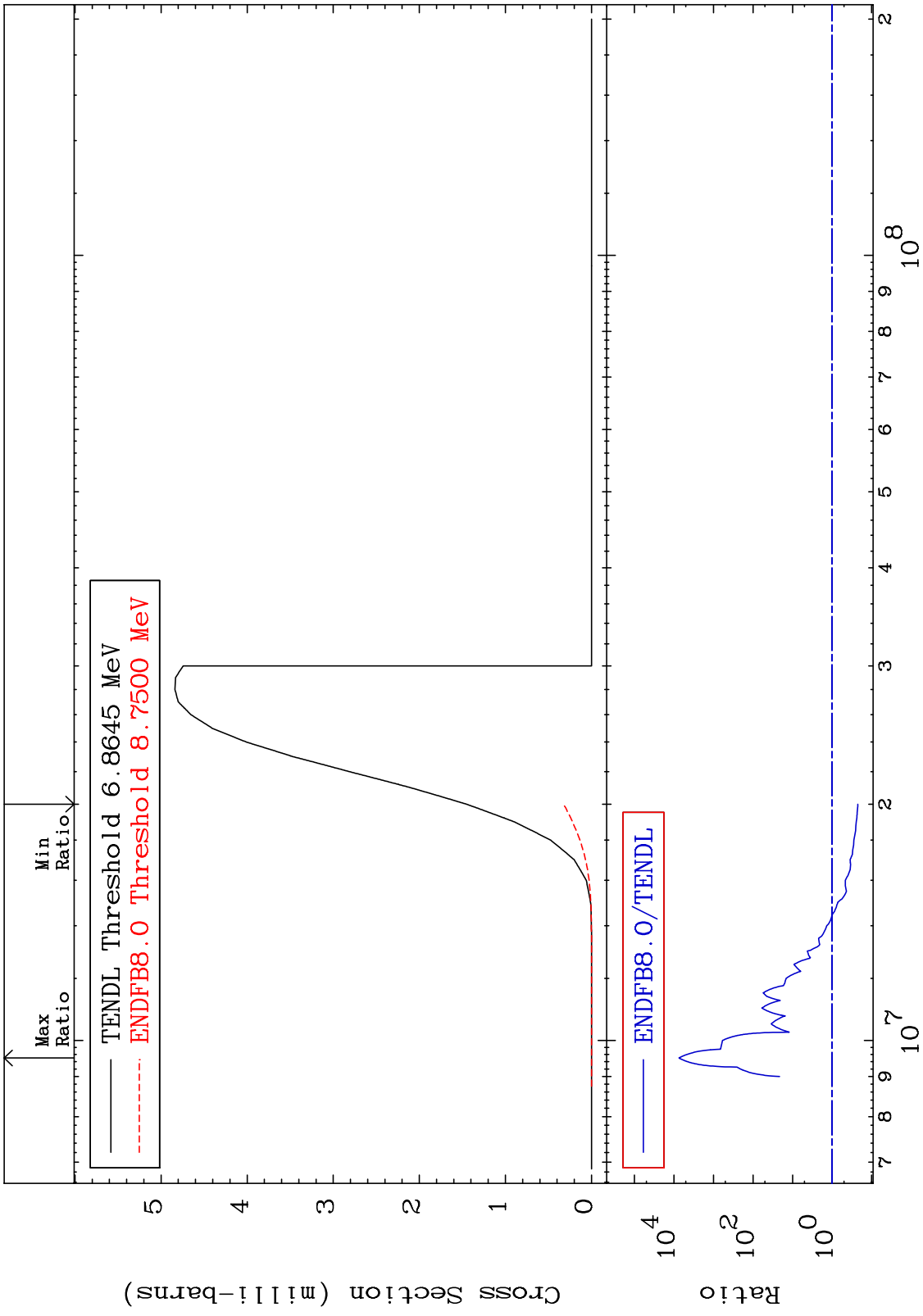
Incident Energy (eV)

68-Er-166

MAT 6837 (n,d) Cross Section 68-Er-166
 -33.94 To 9999. %



36 68-Er-166



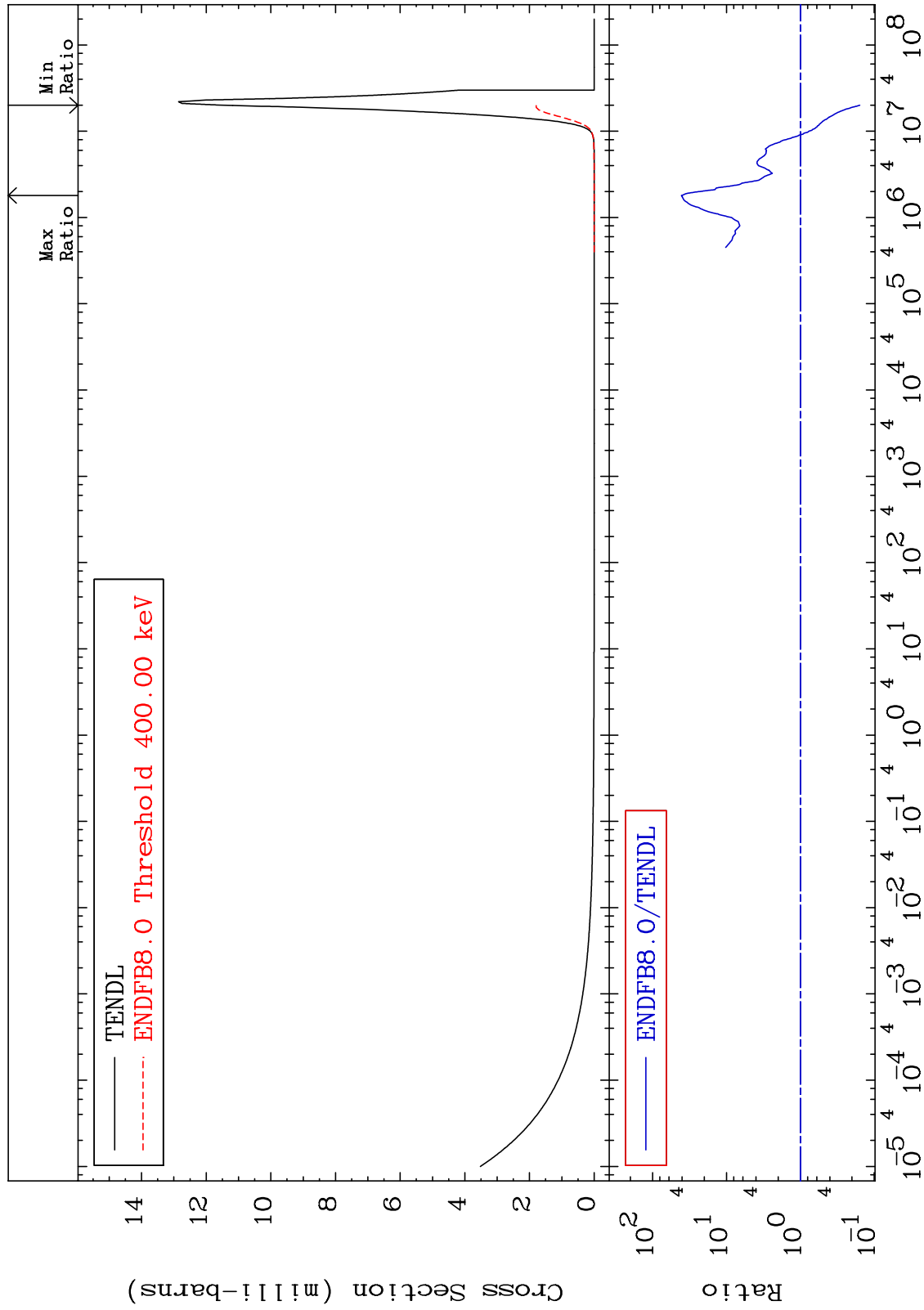
MAT 6837

(n, α)

68-Er-166

Cross Section

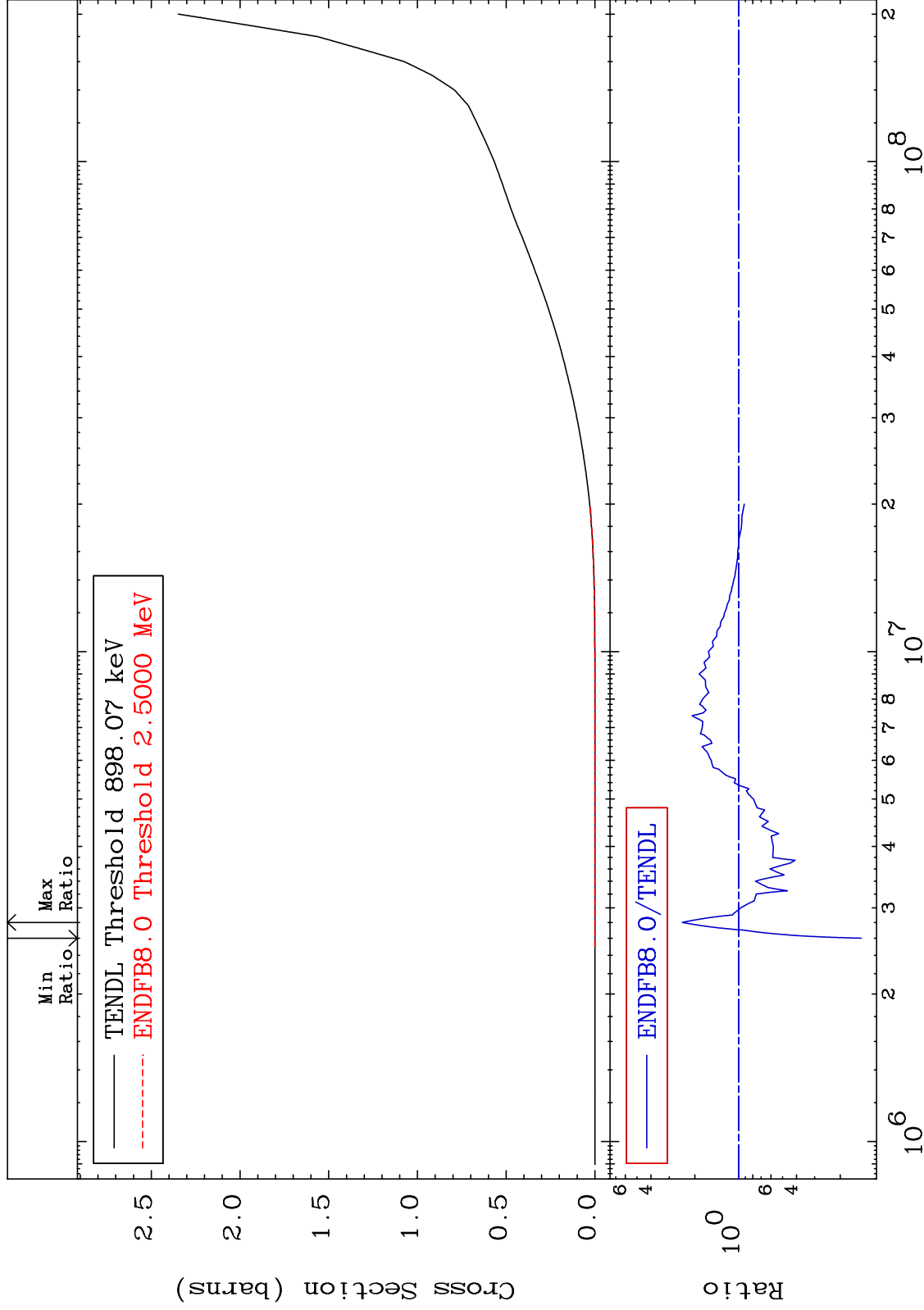
-84.31 To 3974. %



MAT 6837

Hydrogen Production
Cross Section

68-Er-166
-85.64 To 143.2 %



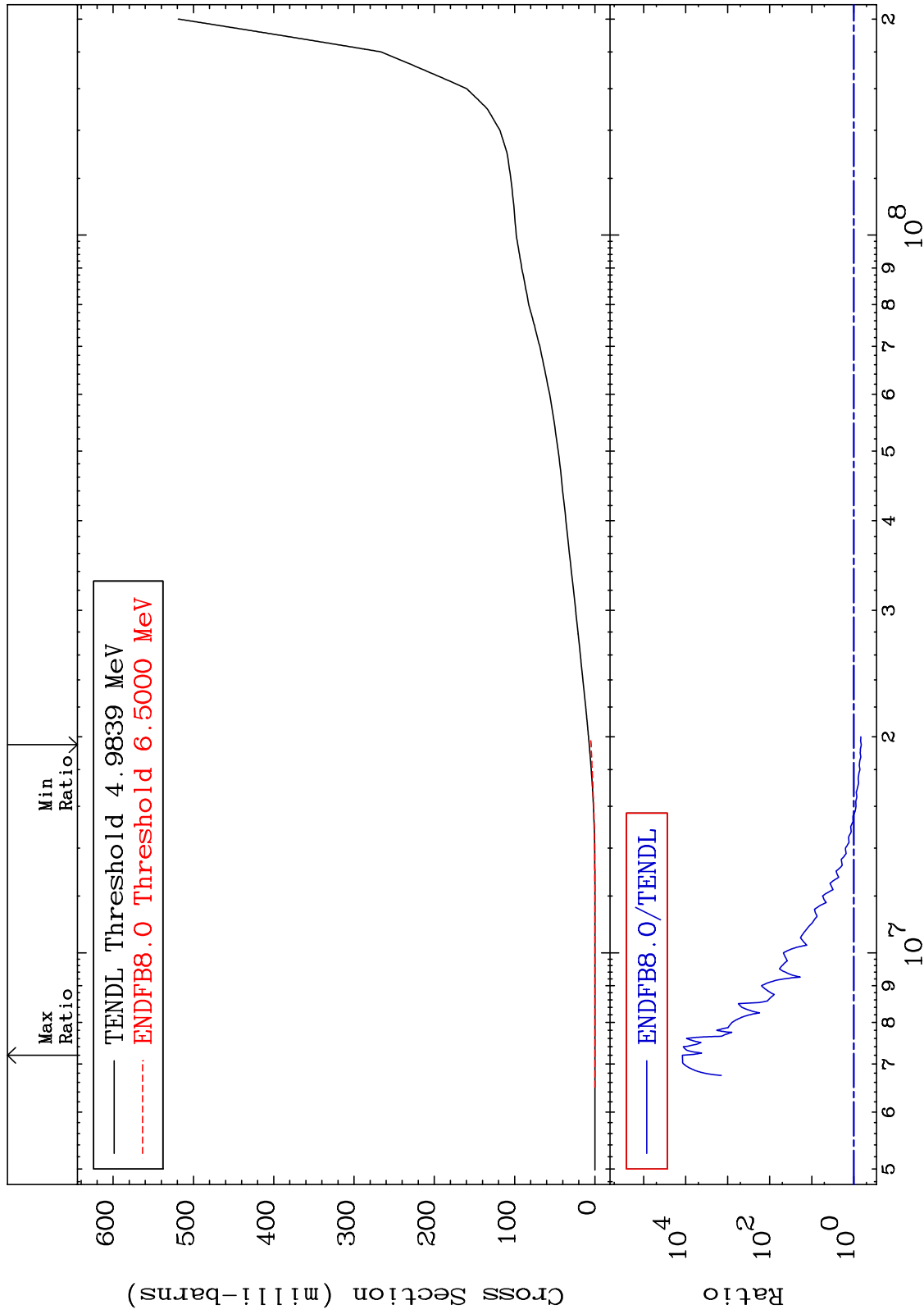
39

68-Er-166

MAT 6837

Deuterium Production
Cross Section

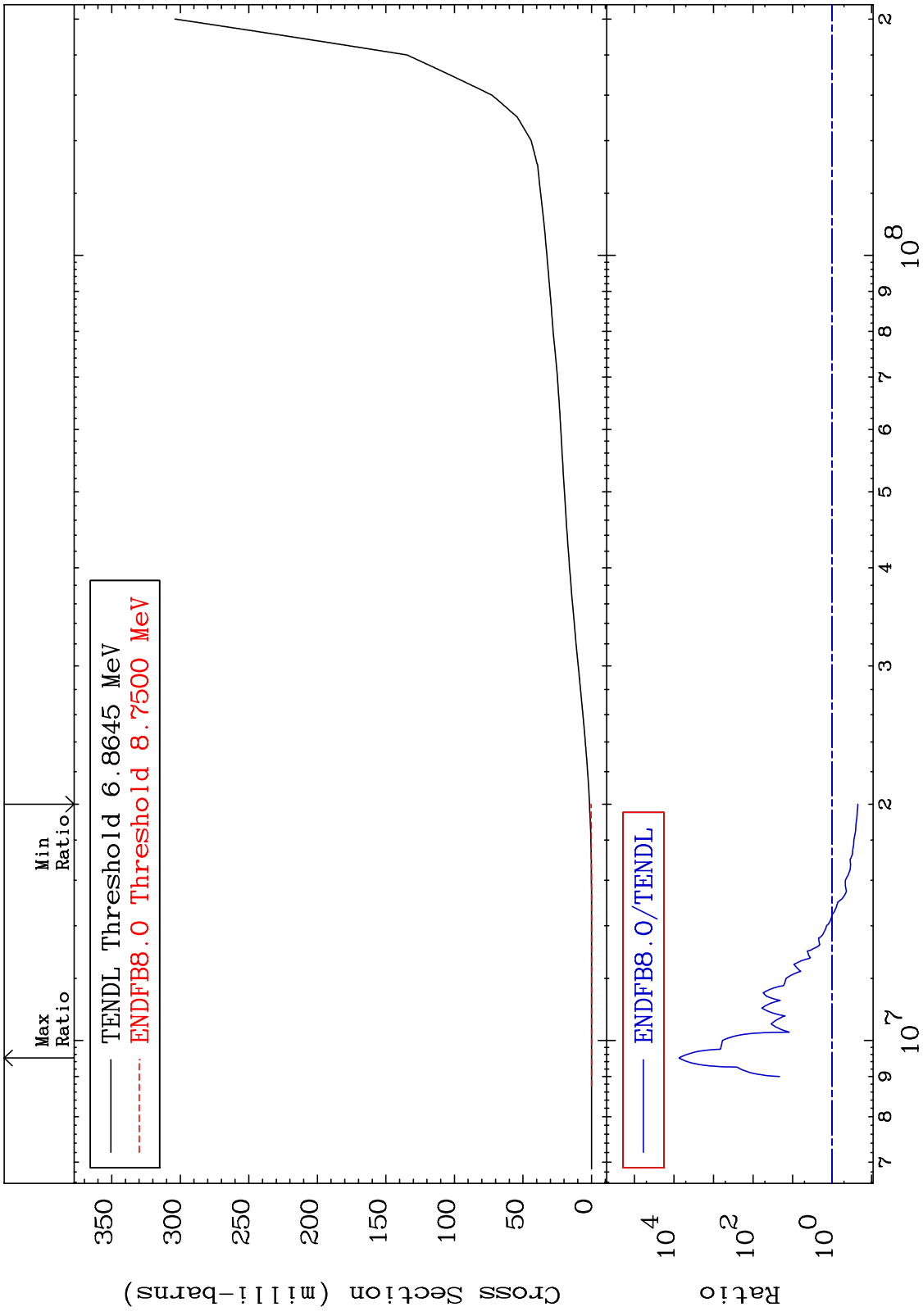
68-Er-166
-33.77 To 9999. %



40

Incident Energy (eV)

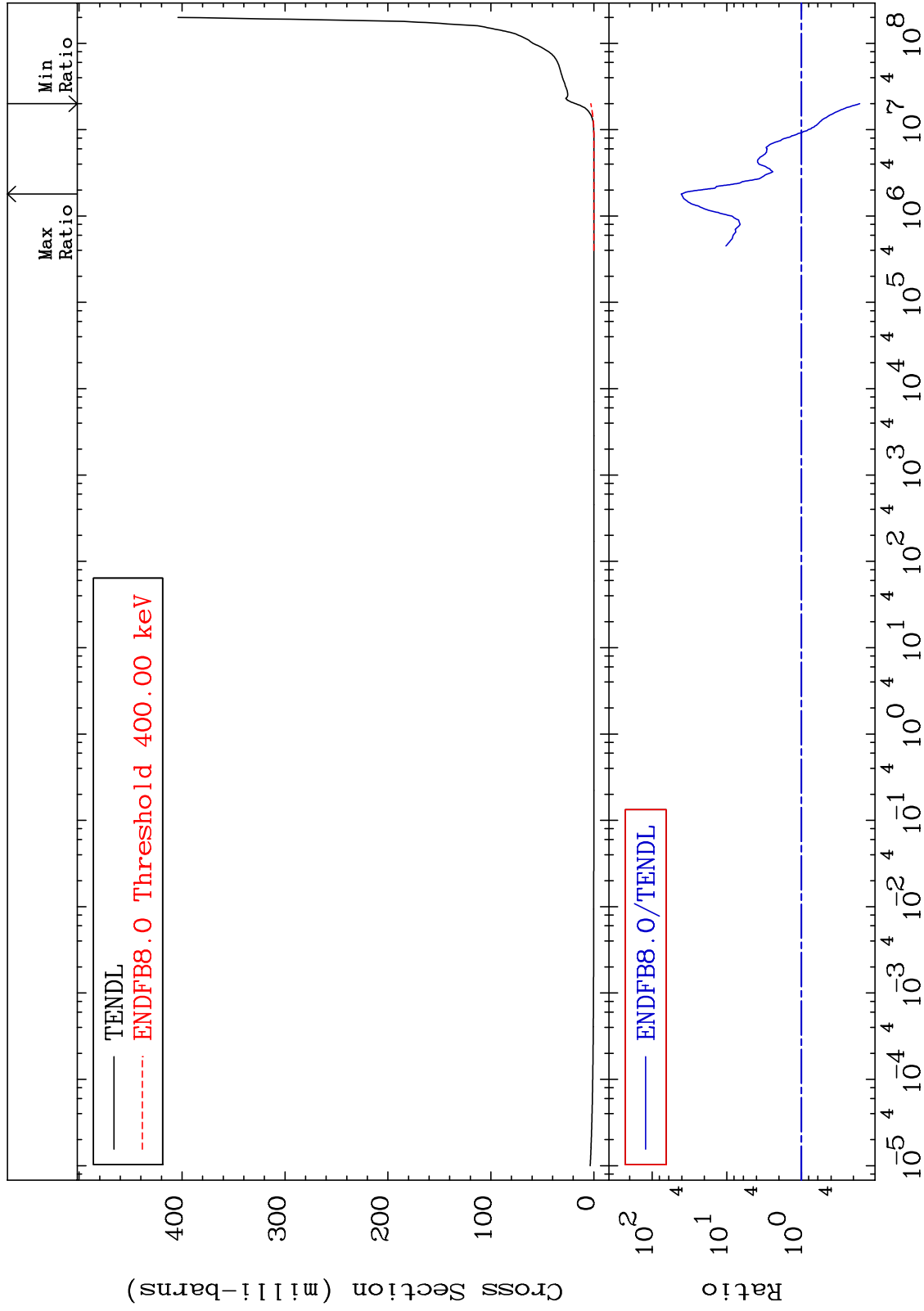
68-Er-166



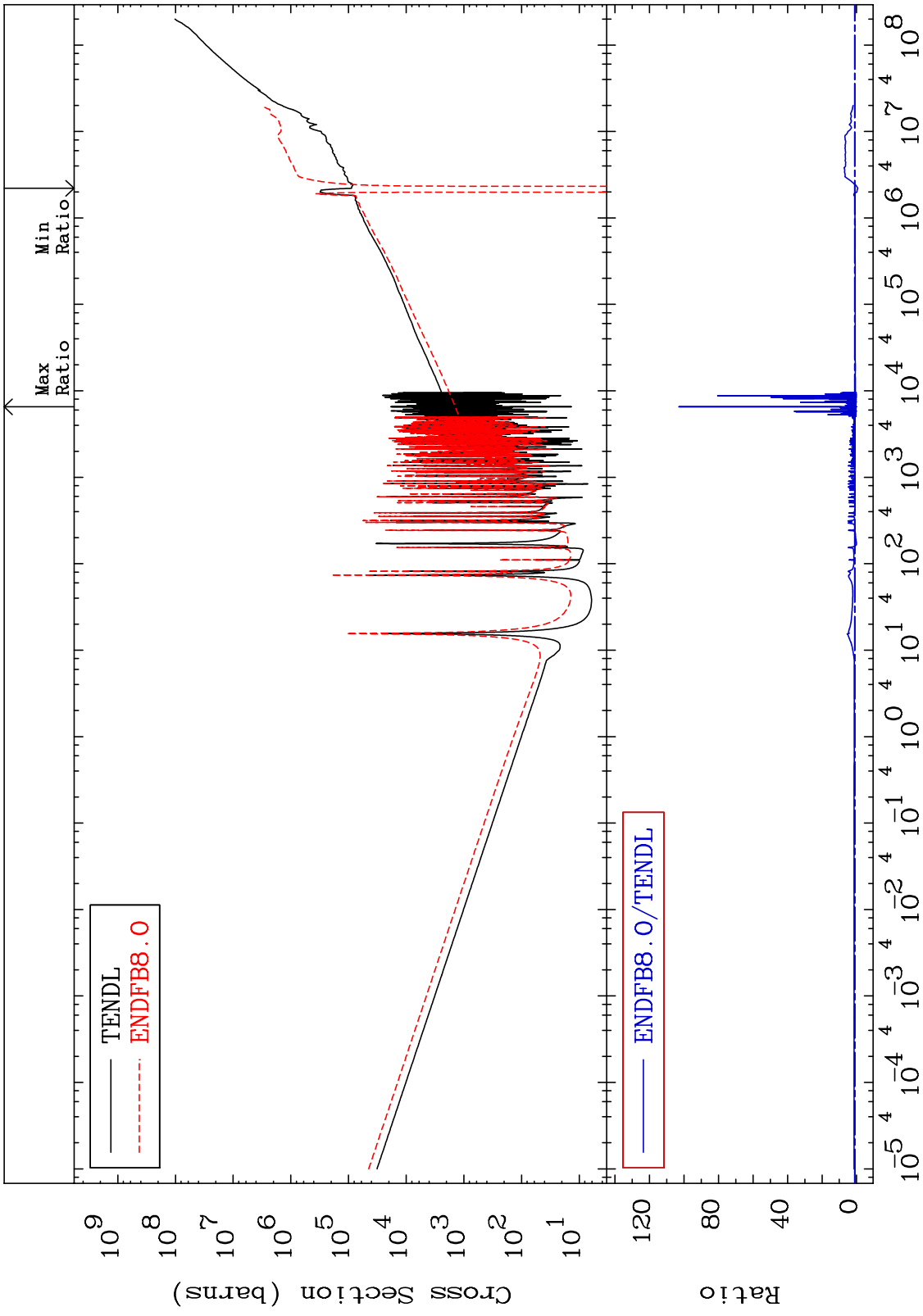
MAT 6837

He-4 Production
Cross Section

68-Er-166
-83.52 To 3974. %



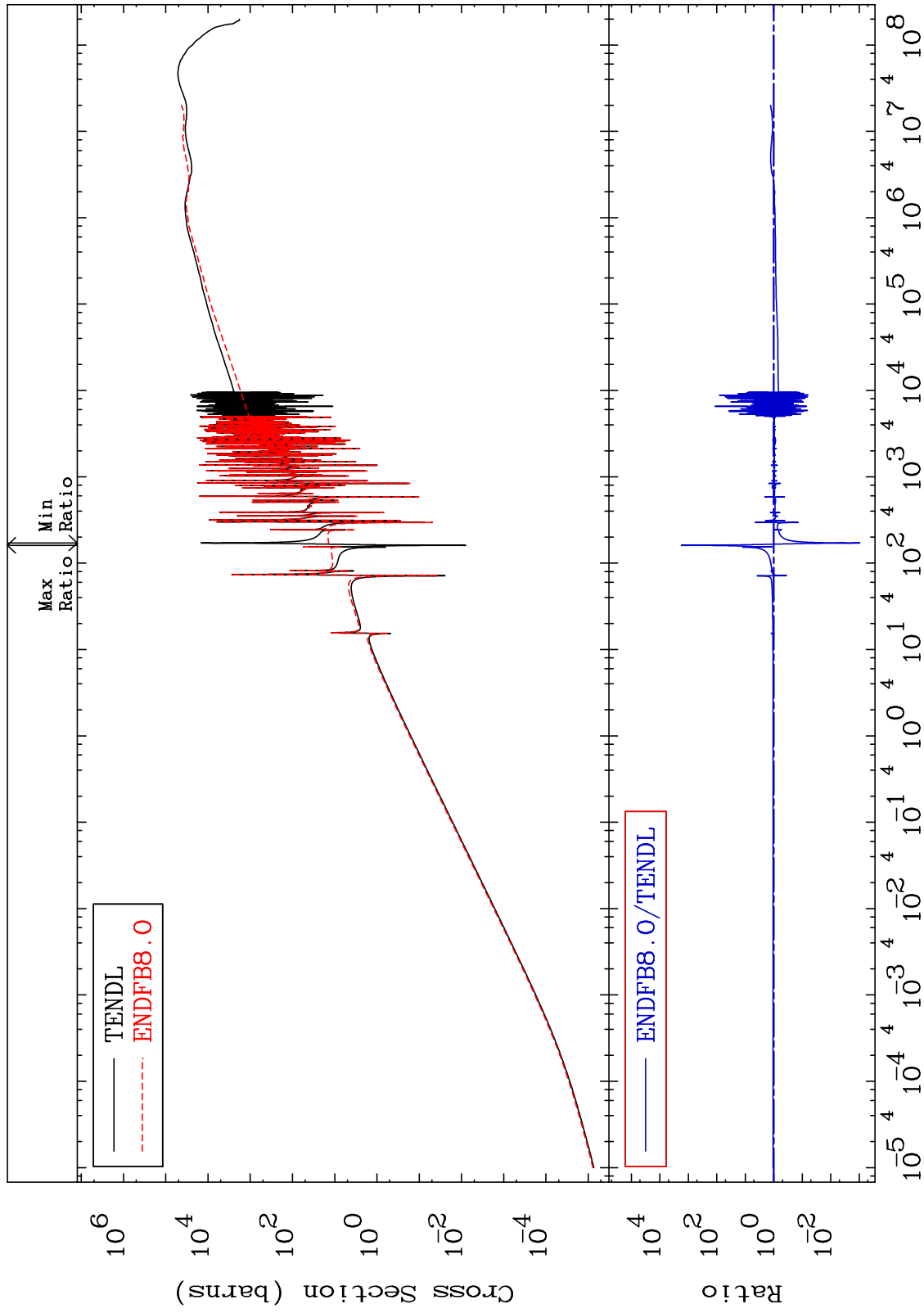
MAT 6837 Kerma total (eV-barns)
Cross Section 68-Er-166
-173.8 To 9999. %



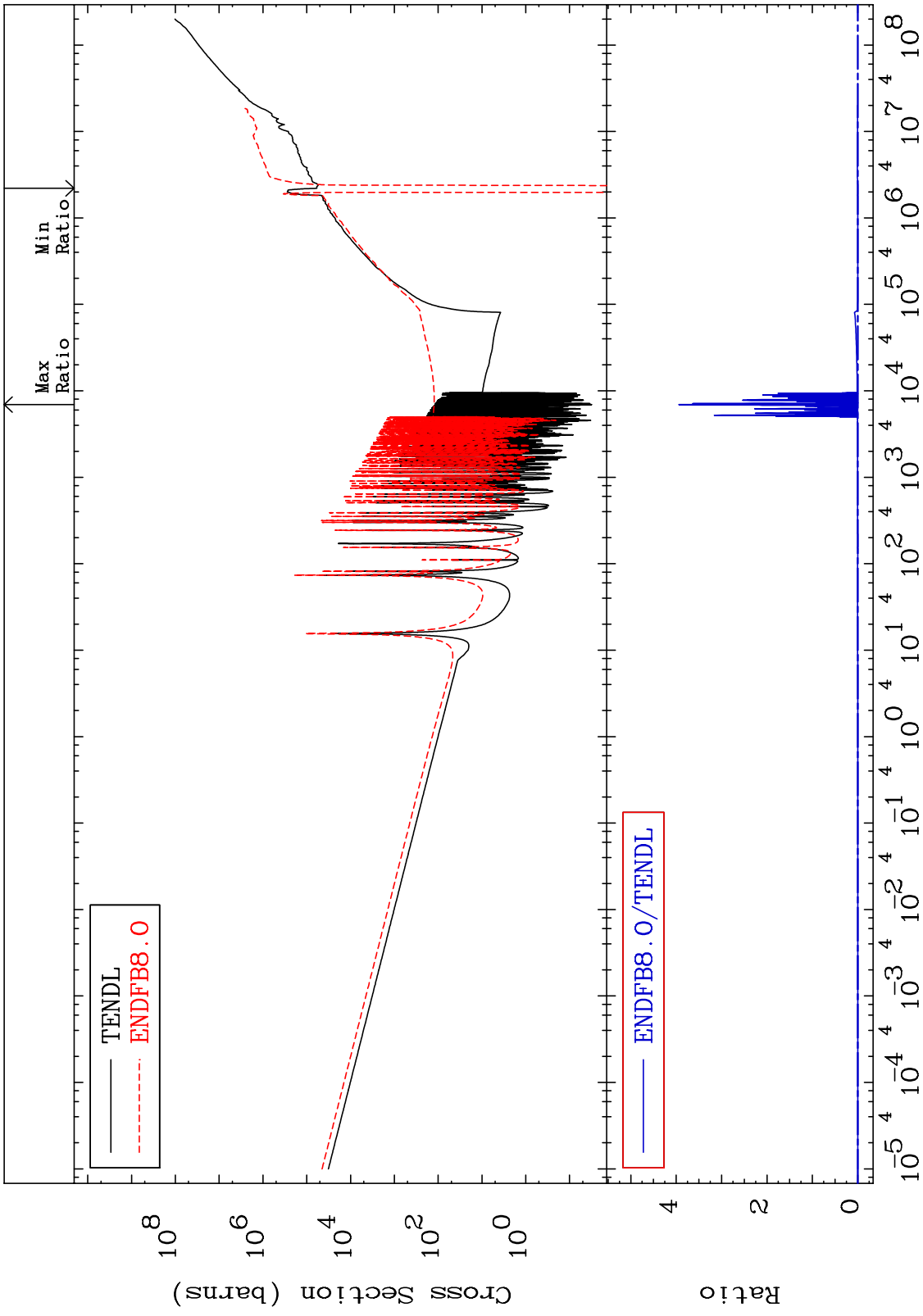
MAT 6837

Kerma elastic
Cross Section

68-Er-166
-99.90 To 9999. %



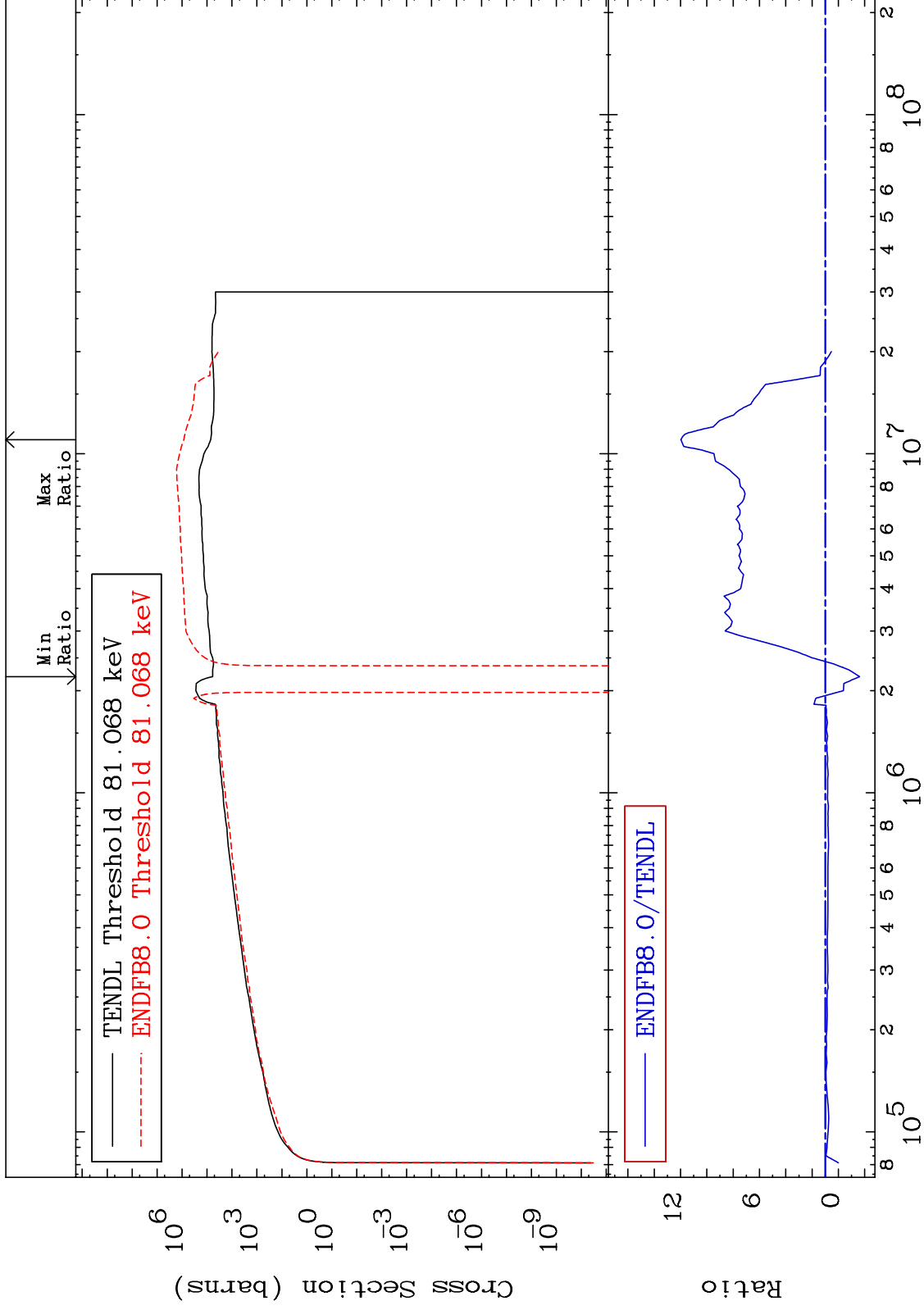
MAT 6837 Kerma non-elastic (all but mt2) 68-Er-166
 Cross Section -260.3 To 9999. %



MAT 6837

Kerma inelastic (mt51-91)
Cross Section

68-Er-166
-261.4 To 1098. %

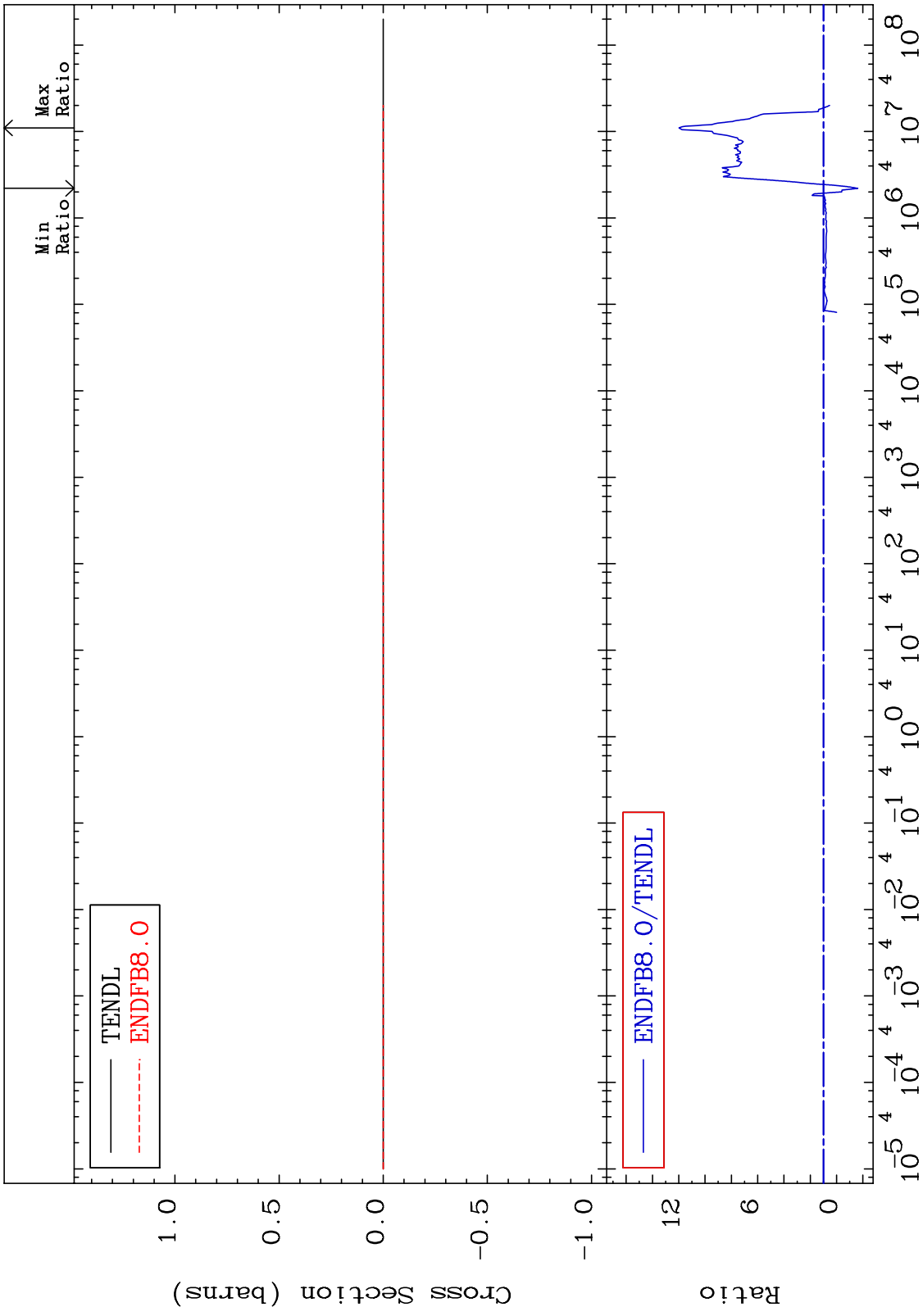


46

Incident Energy (eV)

68-Er-166

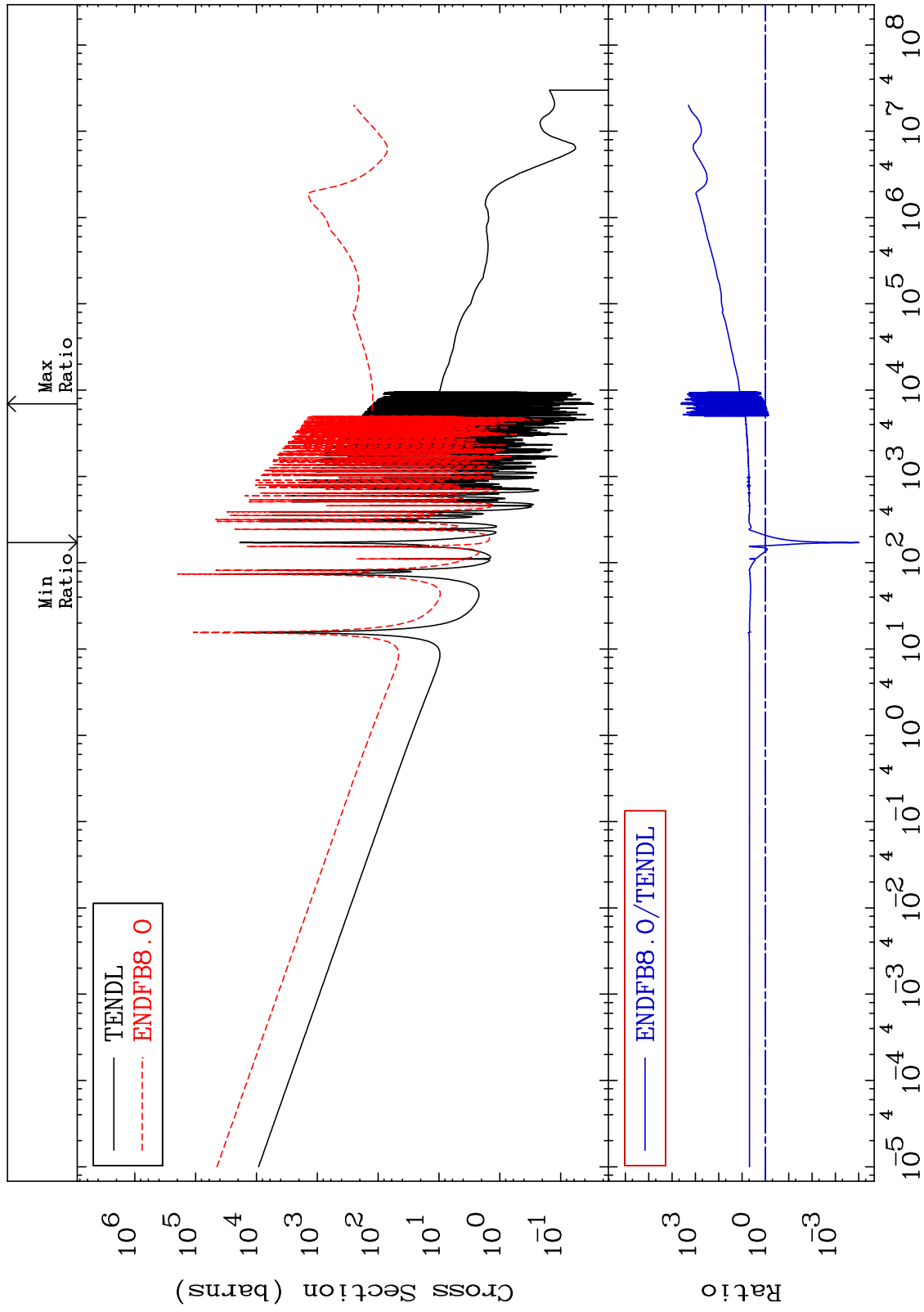
MAT 6837 Kerma fission (mt18 or mt19-20-21-38) 68-Er-166
Cross Section -261.4 To 1098. %



MAT 6837

Kerma capture (mt102)
Cross Section

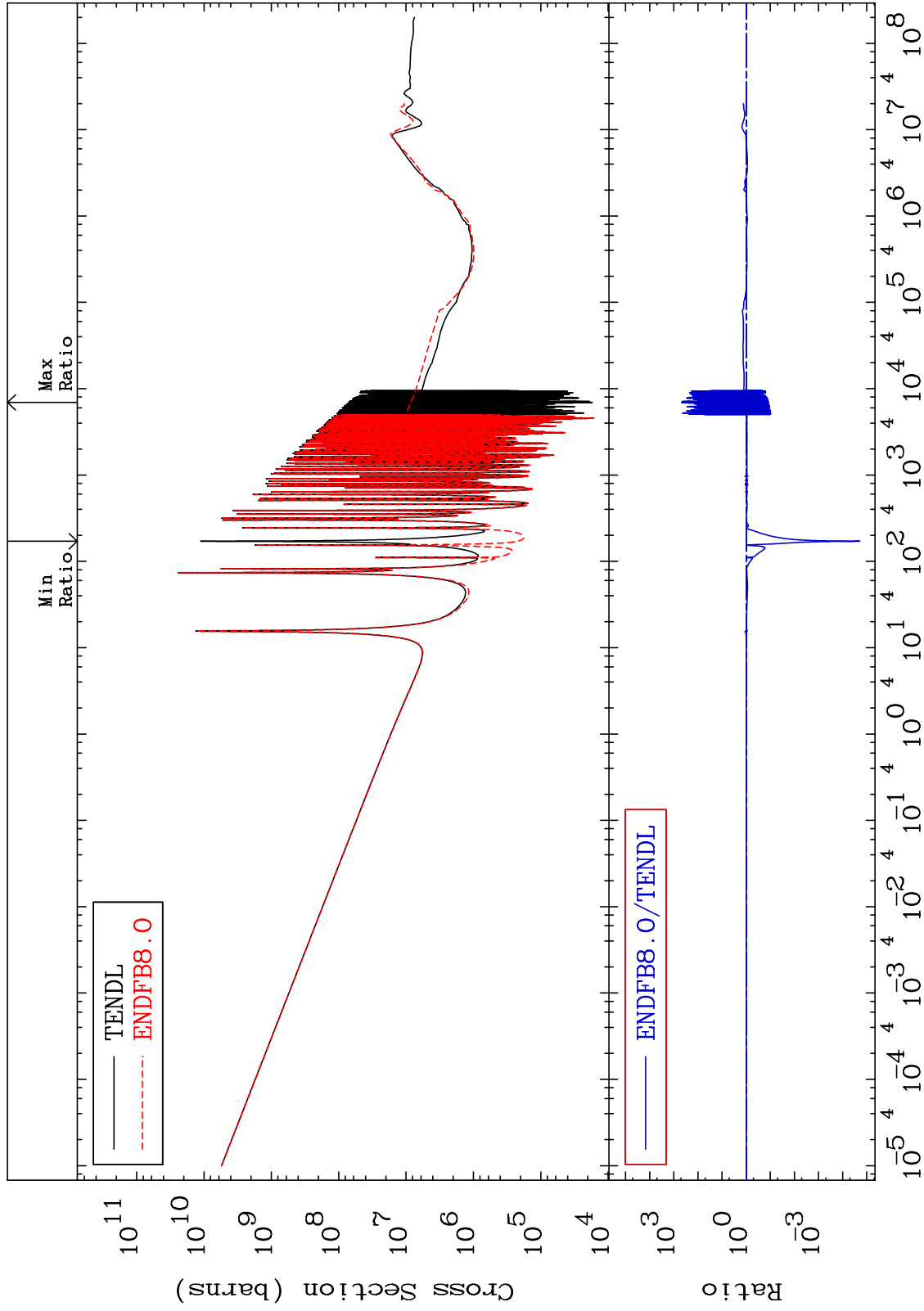
68-Er-166
-99.99 To 9999. %



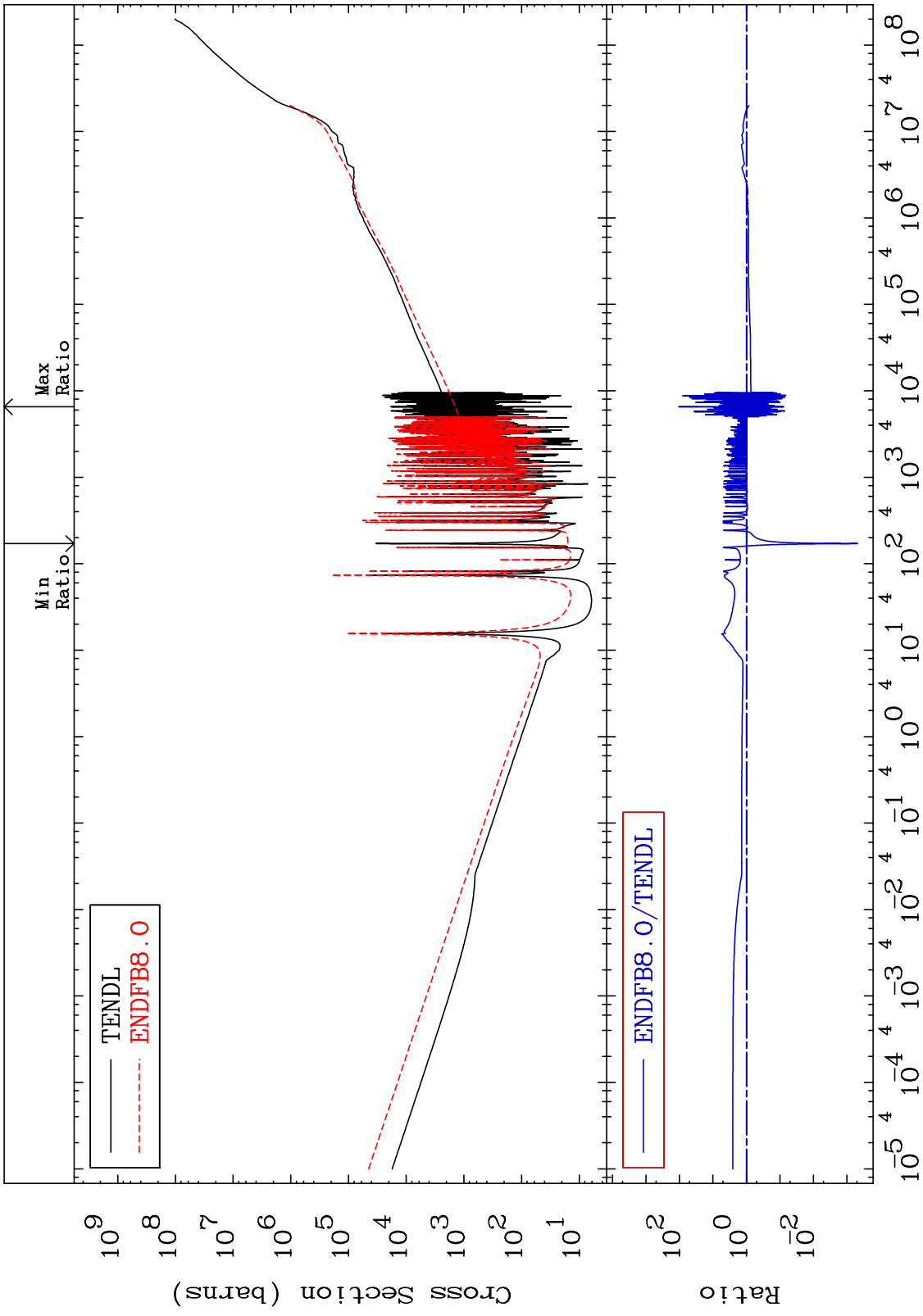
MAT 6837

Total photon (eV-barns)
Cross Section

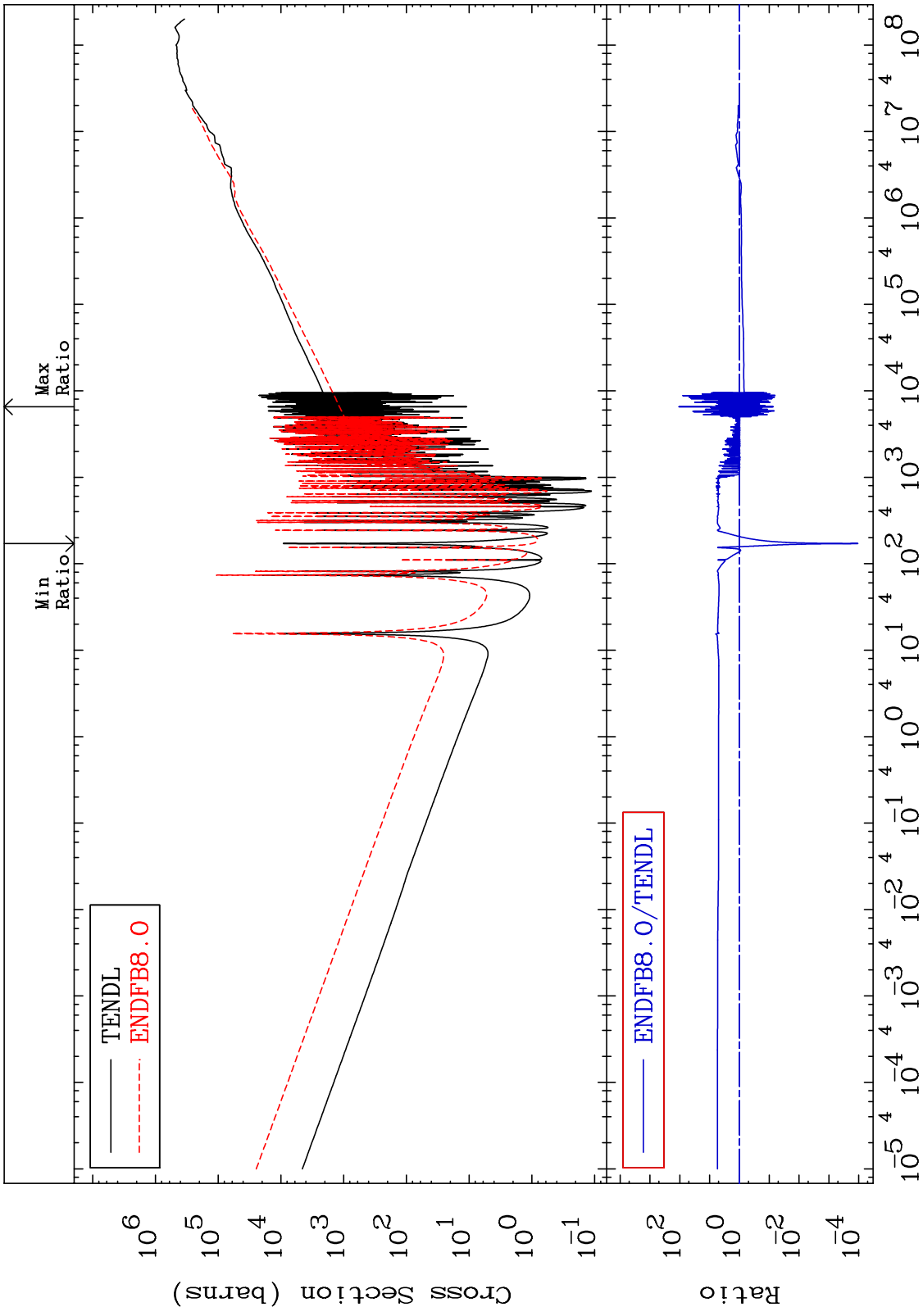
68-Er-166
-100.0 To 9999. %



MAT 6837 Total kinematic kerma (high limit) 68-Er-166
 Cross Section -99.95 To 9999. %



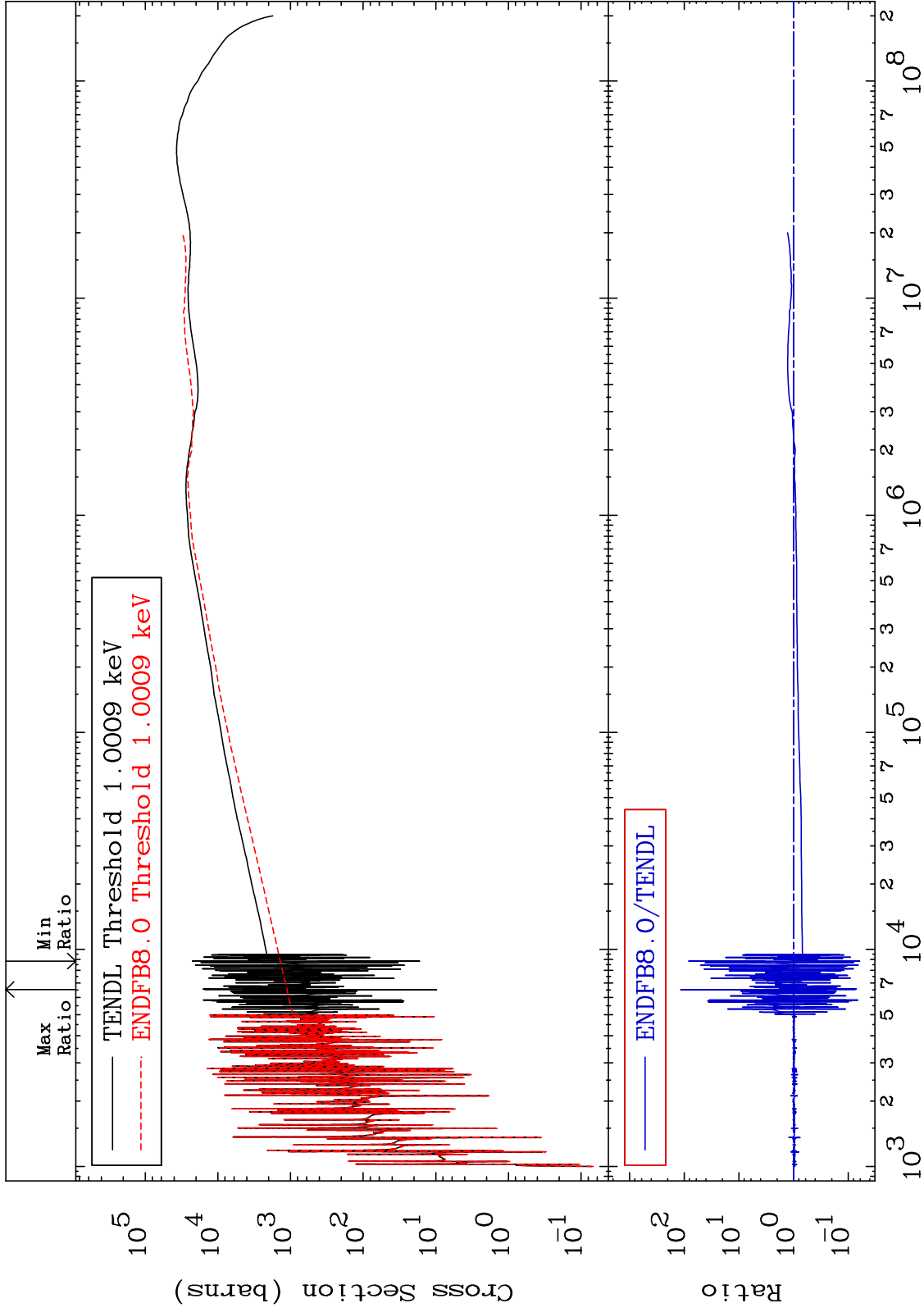
MAT 6837 Dpa total (eV-barns) 68-Er-166
 -99.99 To 9999. %



MAT 6837

Dpa elastic (mt2)
Cross Section

68-Er-166
-93.83 To 9999. %



MAT 6837

Dpa inelastic (mt51-91)
Cross Section

68-Er-166
-100.0 To 77.04 %

