

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

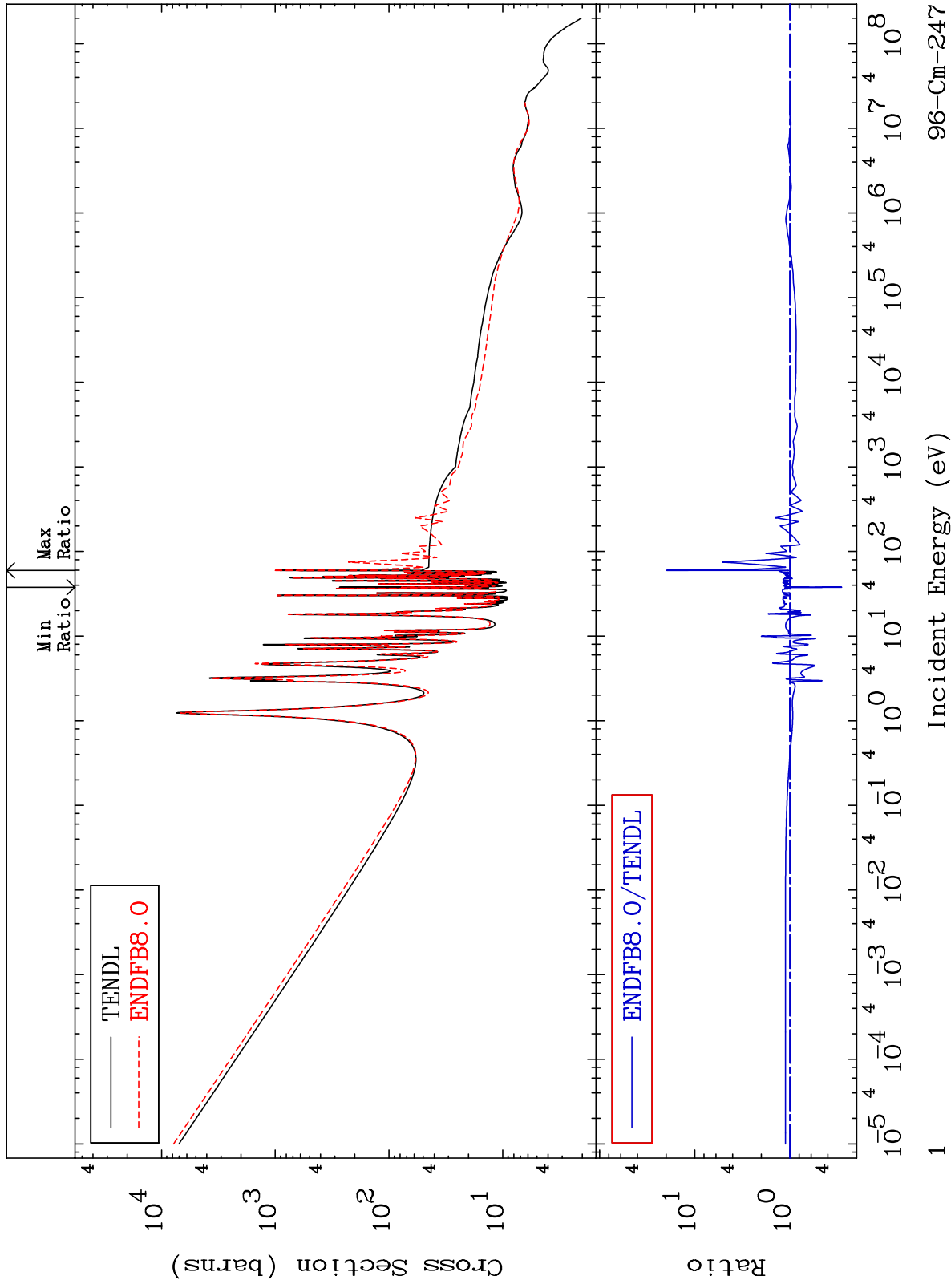
Press Mouse Button to Start

MAT 9646

96-Cm-247

-71.48 To 1864. %

Total
Cross Section



96-Cm-247

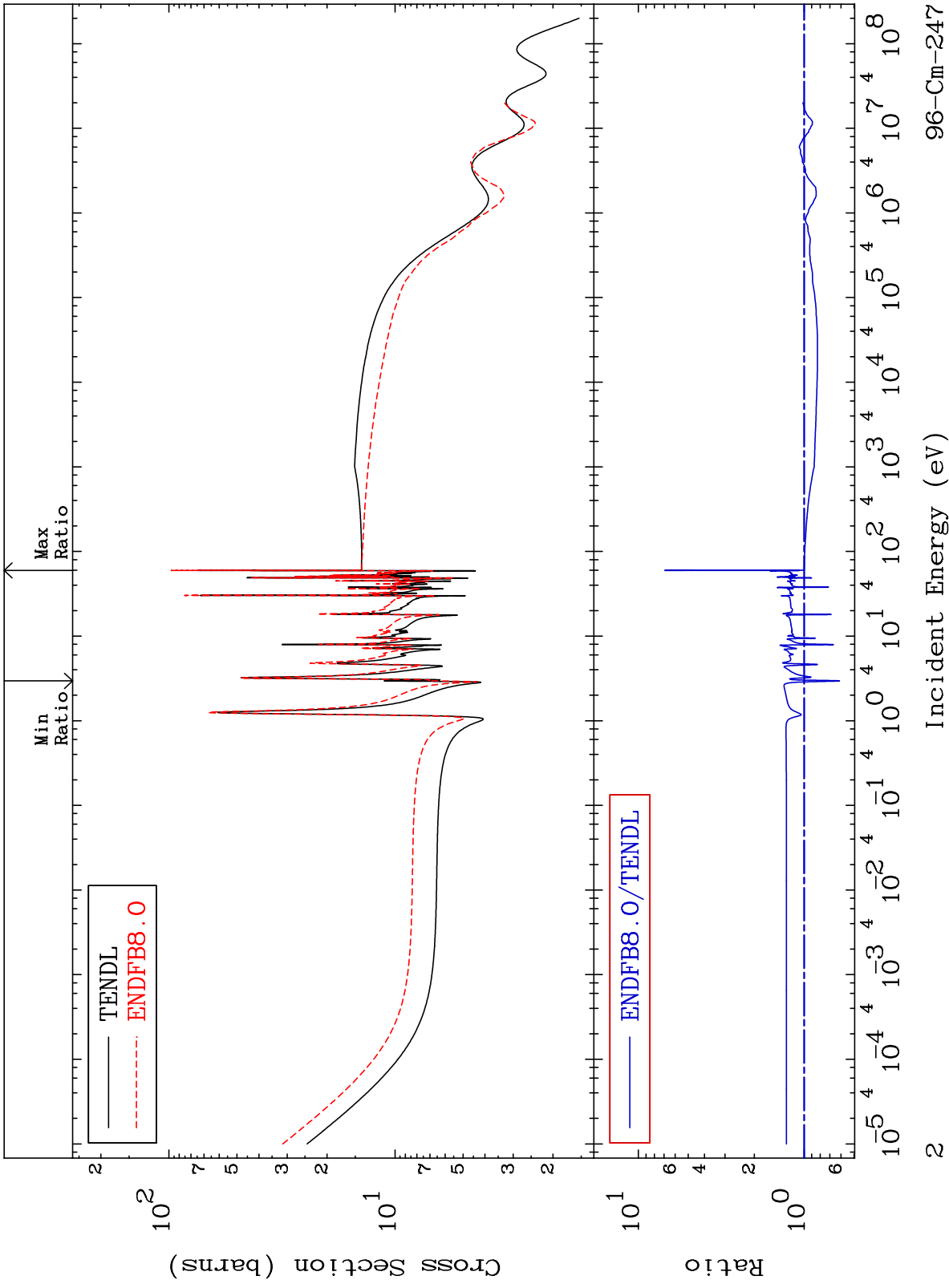
MAT 9646

Elastic

96-Cm-247

Cross Section

-39.01 To 593.7 %



Incident Energy (eV)

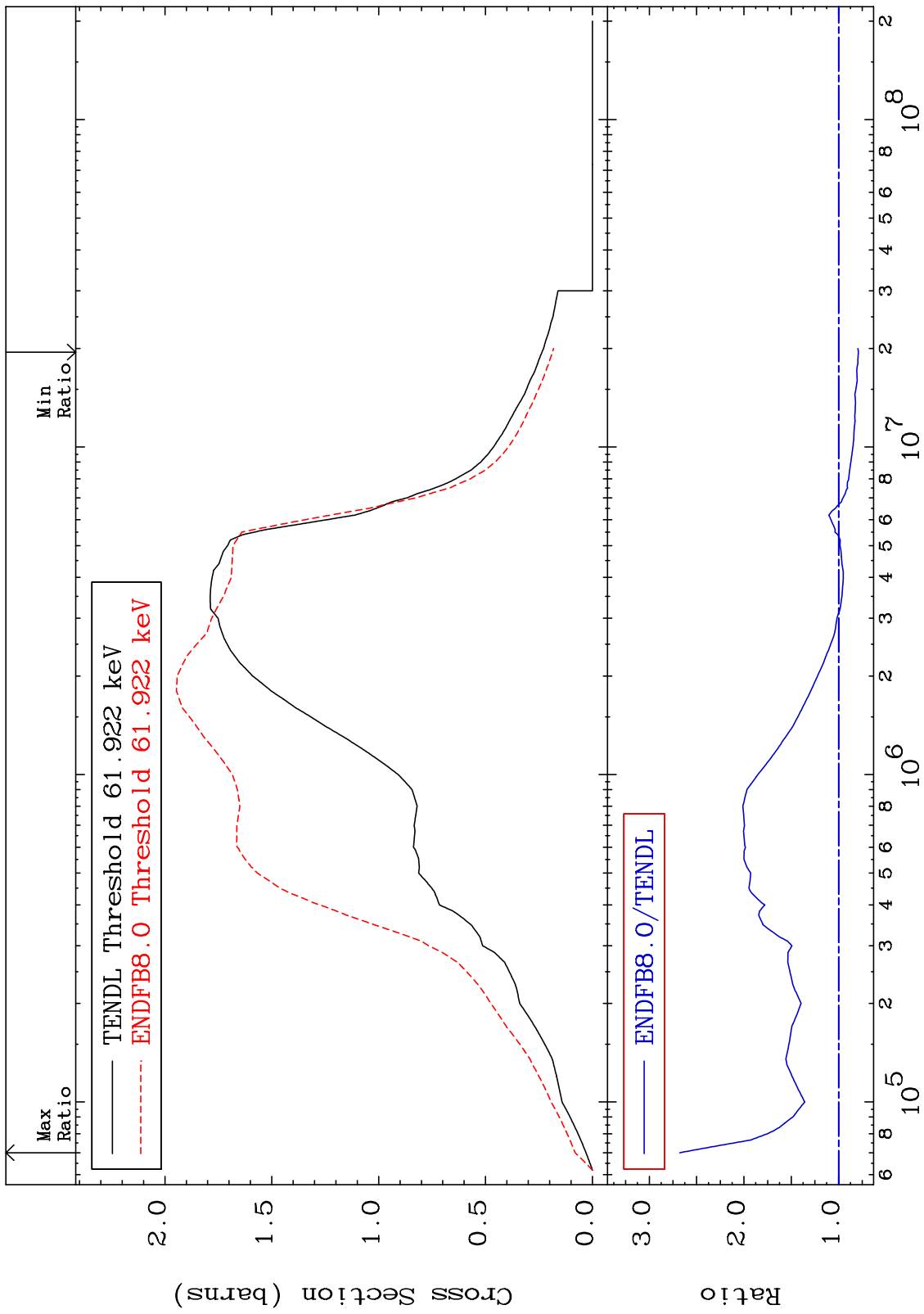
96-Cm-247

2

MAT 9646

Inelastic
Cross Section

96-Cm-247
-20.89 To 167.8 %



3

Incident Energy (eV)

96-Cm-247

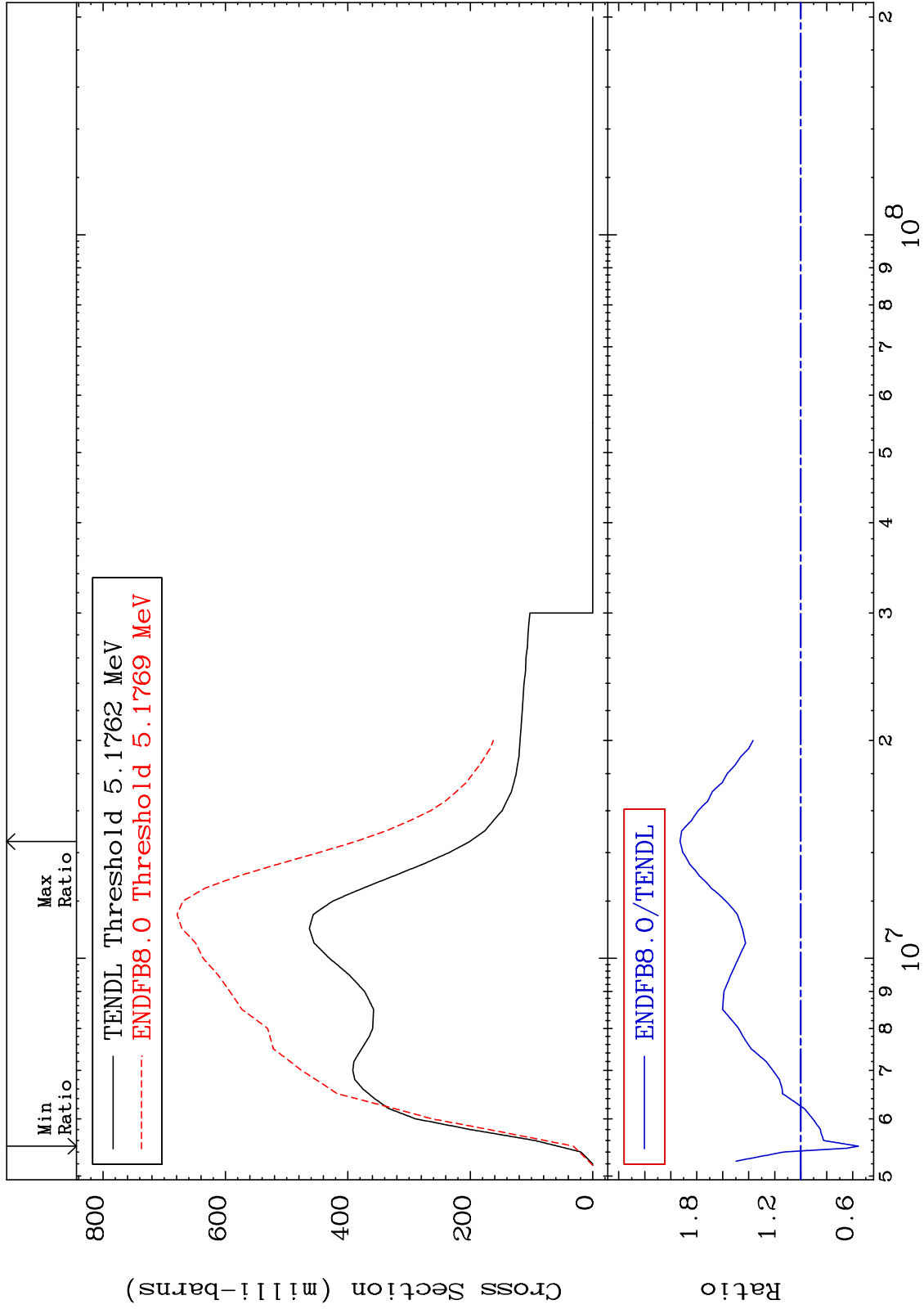
MAT 9646

(n,2n)

96-Cm-247

Cross Section

-44.38 To 92.87 %



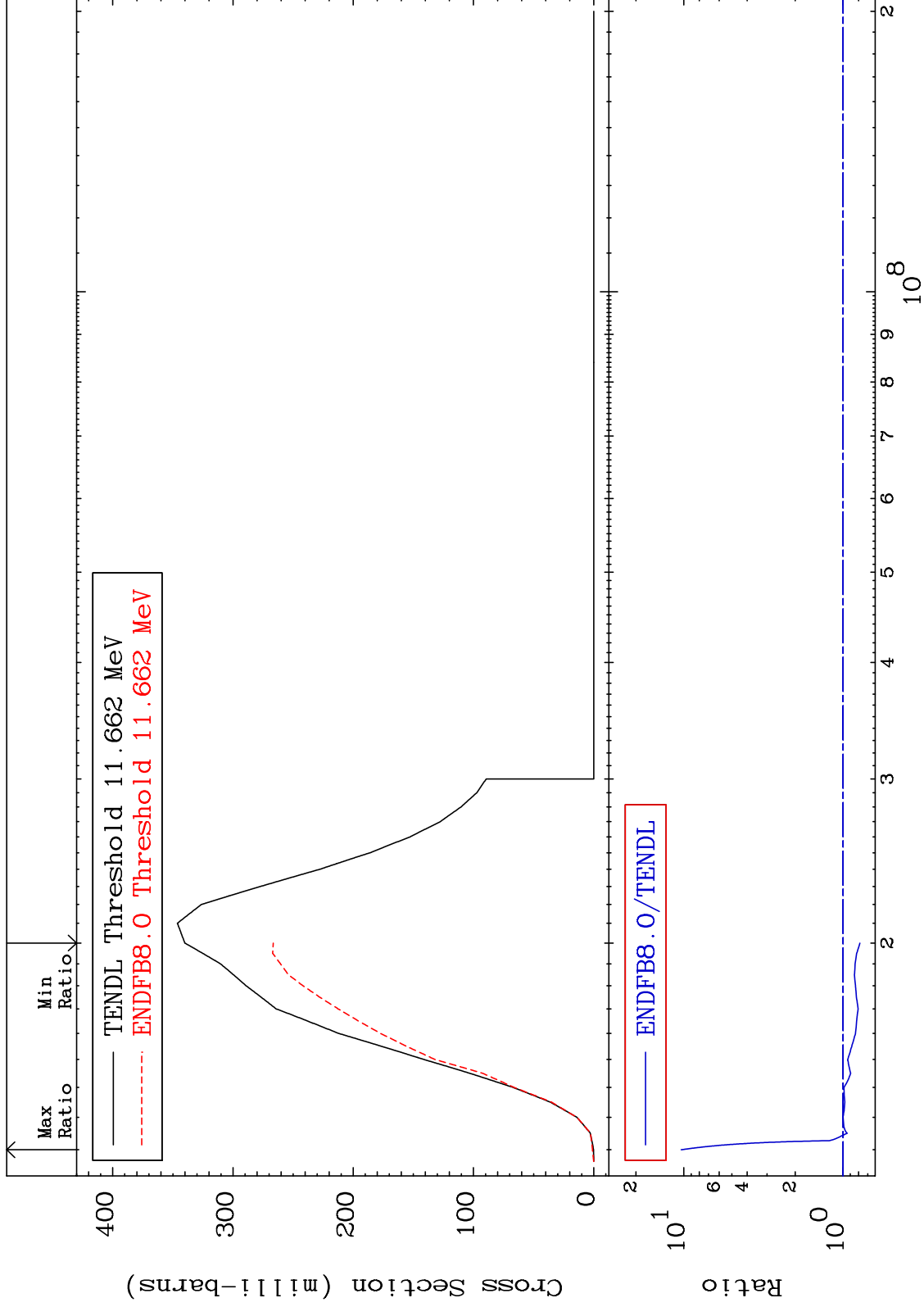
MAT 9646

(n, 3n)

96-Cm-247

Cross Section

-21.65 To 938.8 %



5

Incident Energy (eV)

96-Cm-247

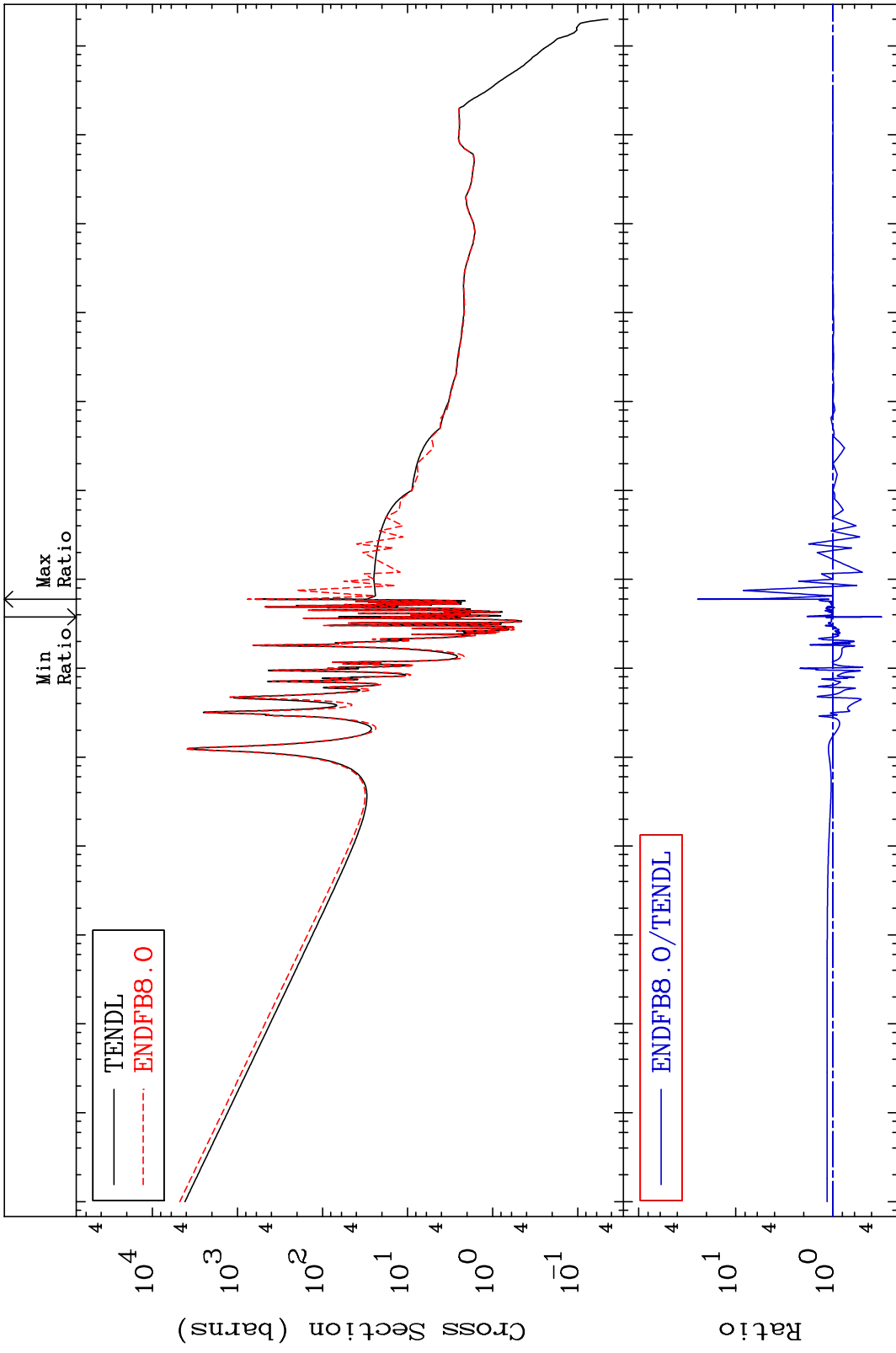
MAT 9646

Fission

96-Cm-247

-68.36 To 2361. %

Cross Section



Ratio

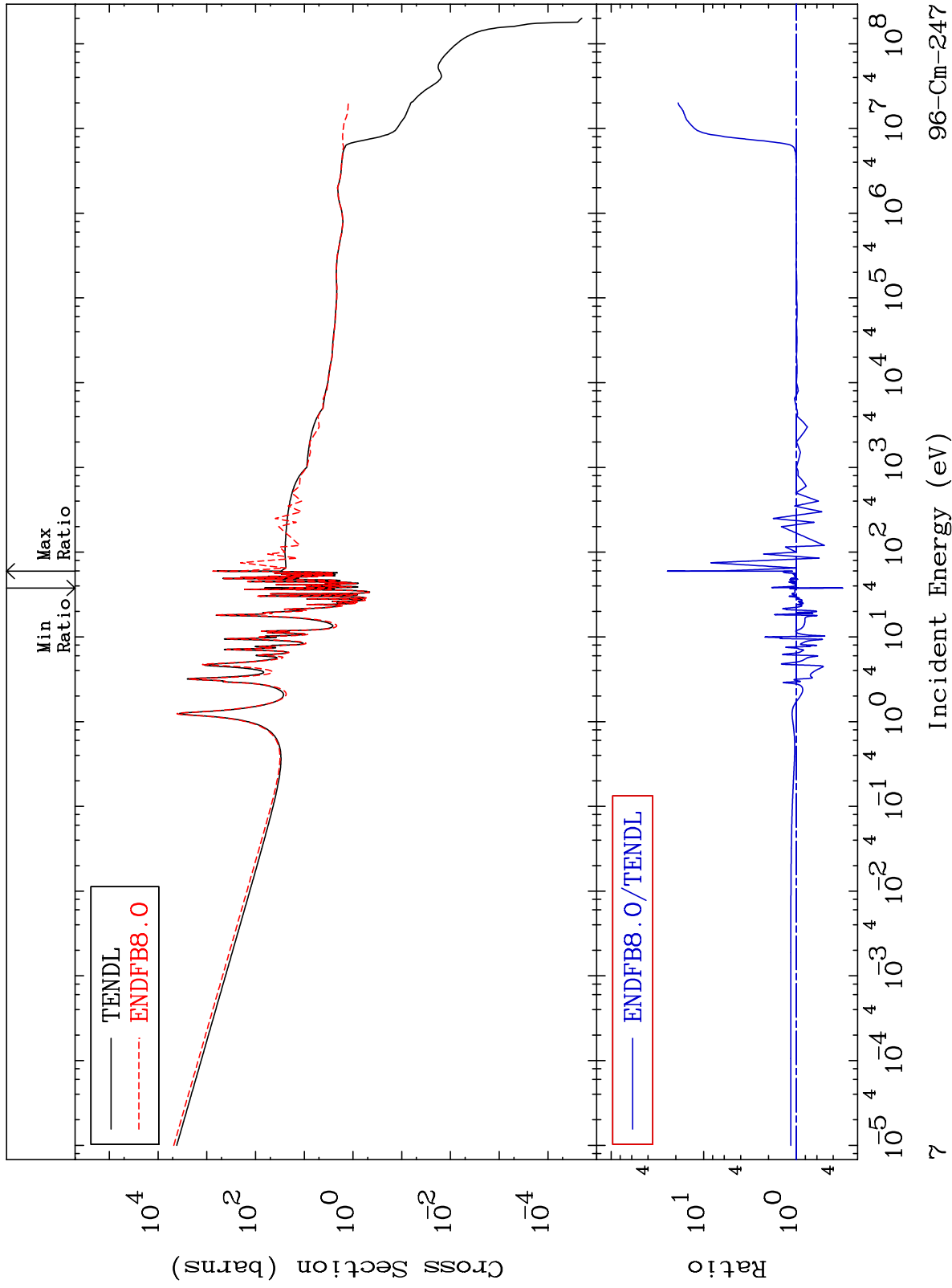
Incident Energy (eV)

96-Cm-247

MAT 9646

(n,f) First Chance
Cross Section

96-Cm-247
-68.36 To 2361. %



96-Cm-247

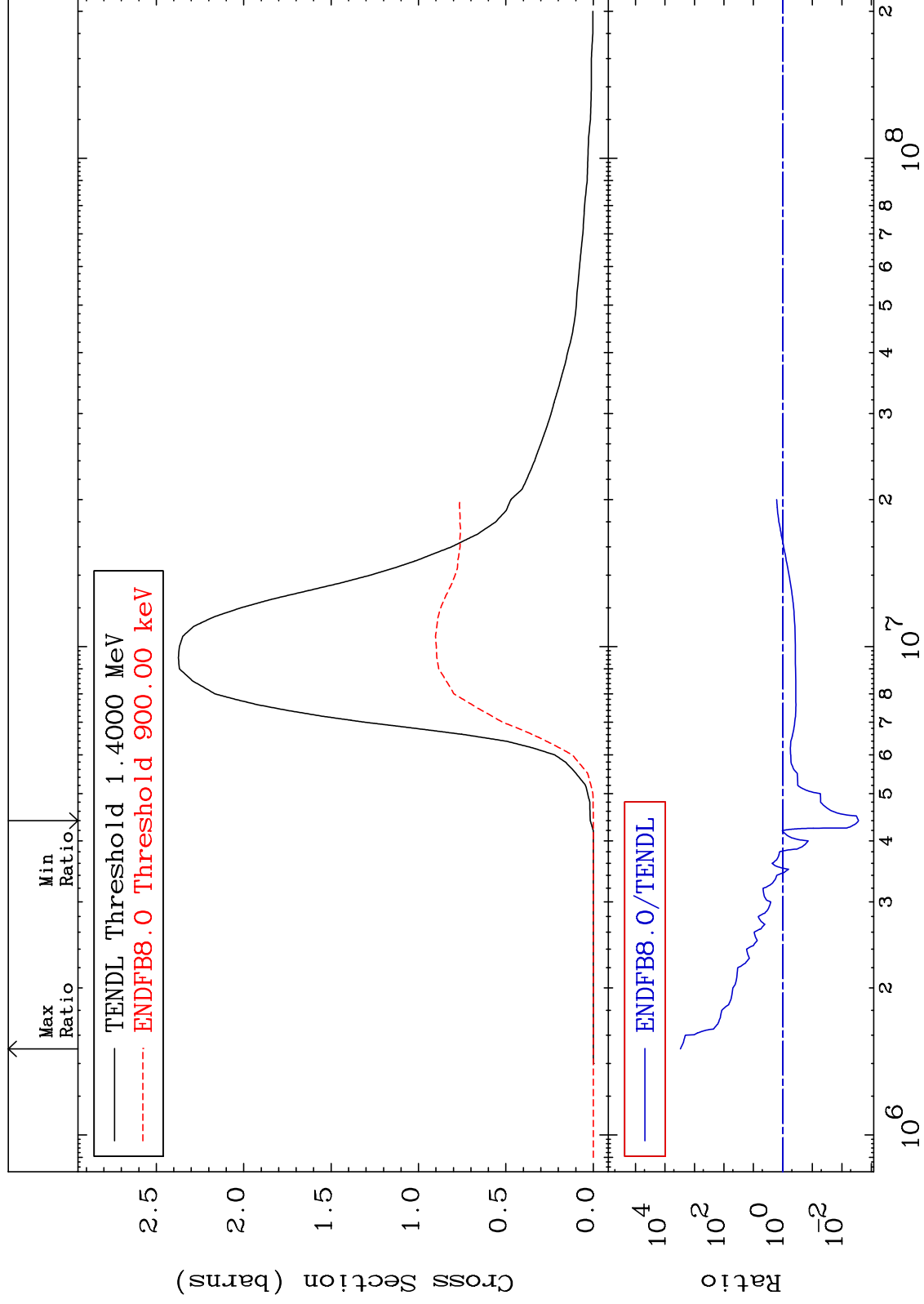
Incident Energy (eV)

7

MAT 9646

(n, nf) Second Chance
Cross Section

96-Cm-247
-99.73 To 9999. %



8

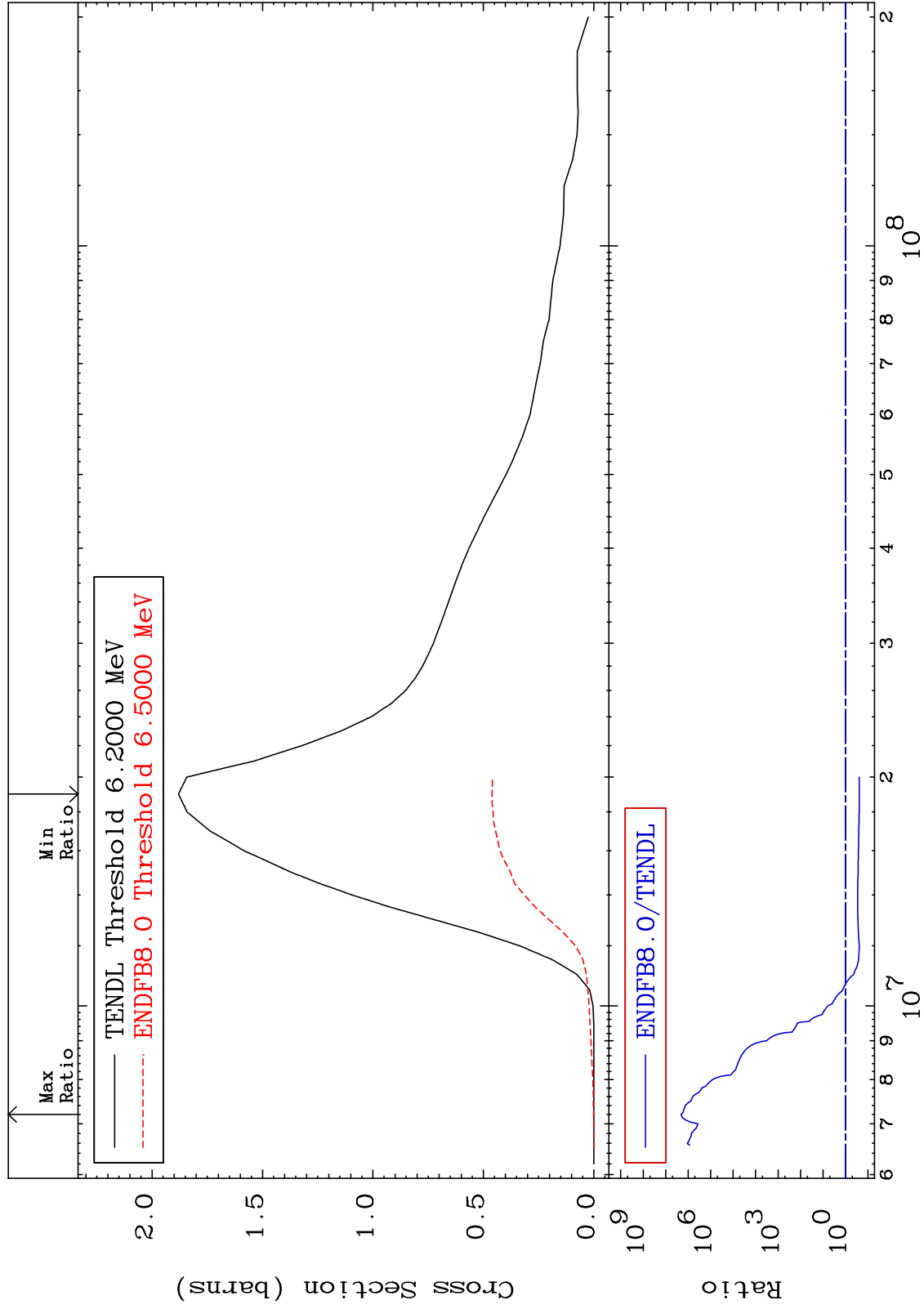
Incident Energy (eV)

96-Cm-247

MAT 9646

(n,2nf) Third Chance
Cross Section

96-Cm-247
-75.52 To 9999. %



9

Incident Energy (eV)

96-Cm-247

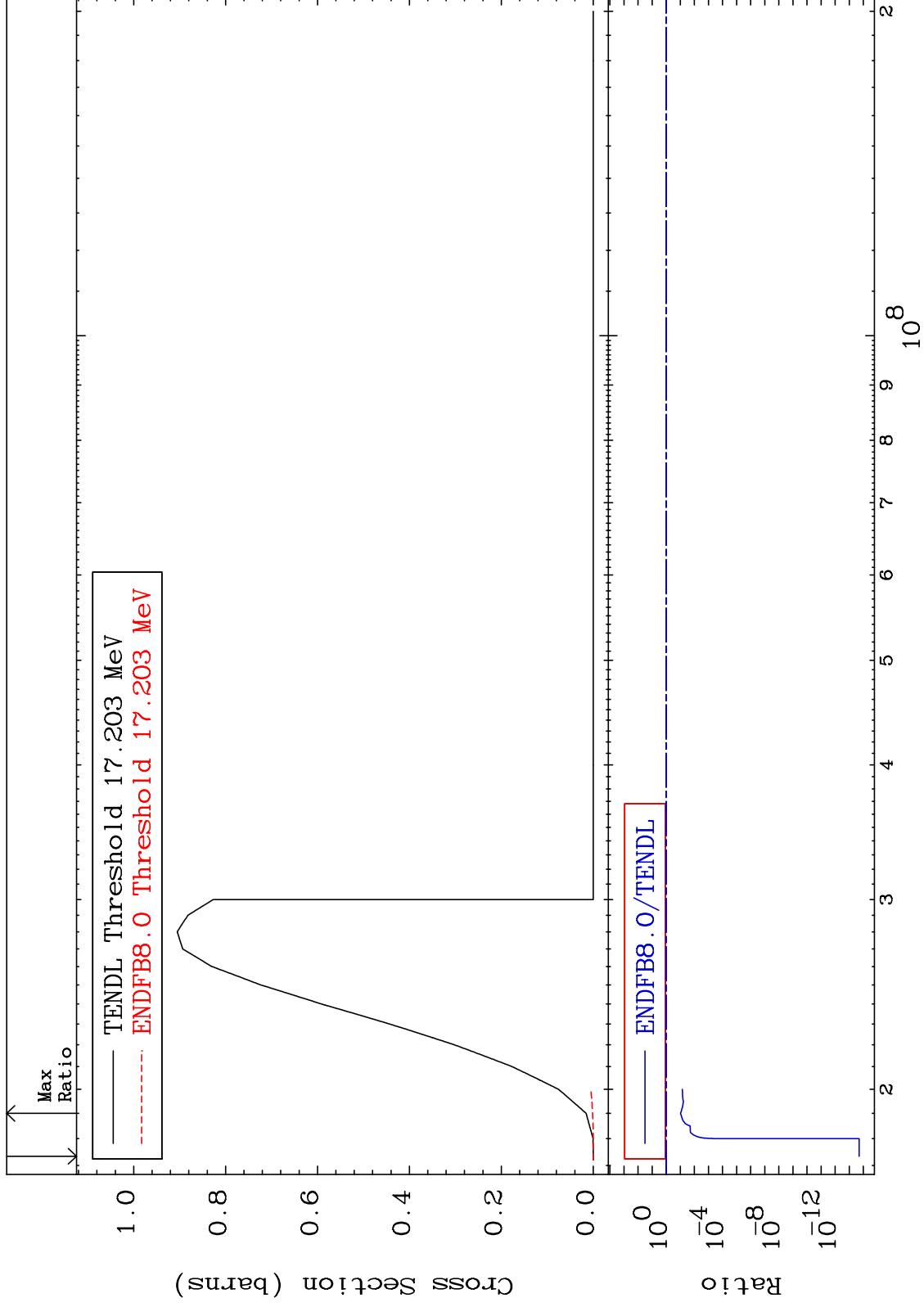
MAT 9646

(n, 4n)

96-Cm-247

Cross Section

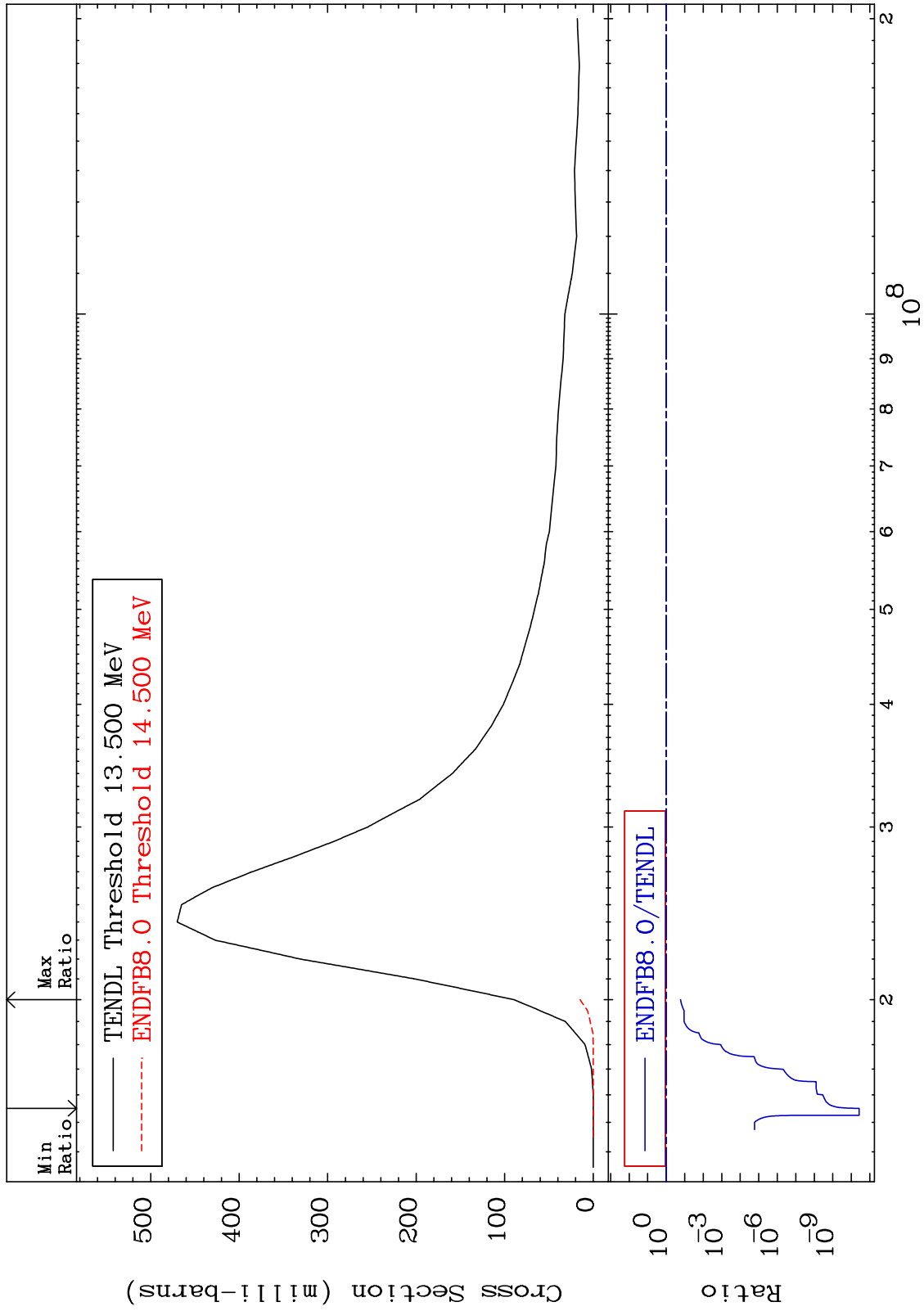
-100.0 To -90.59%



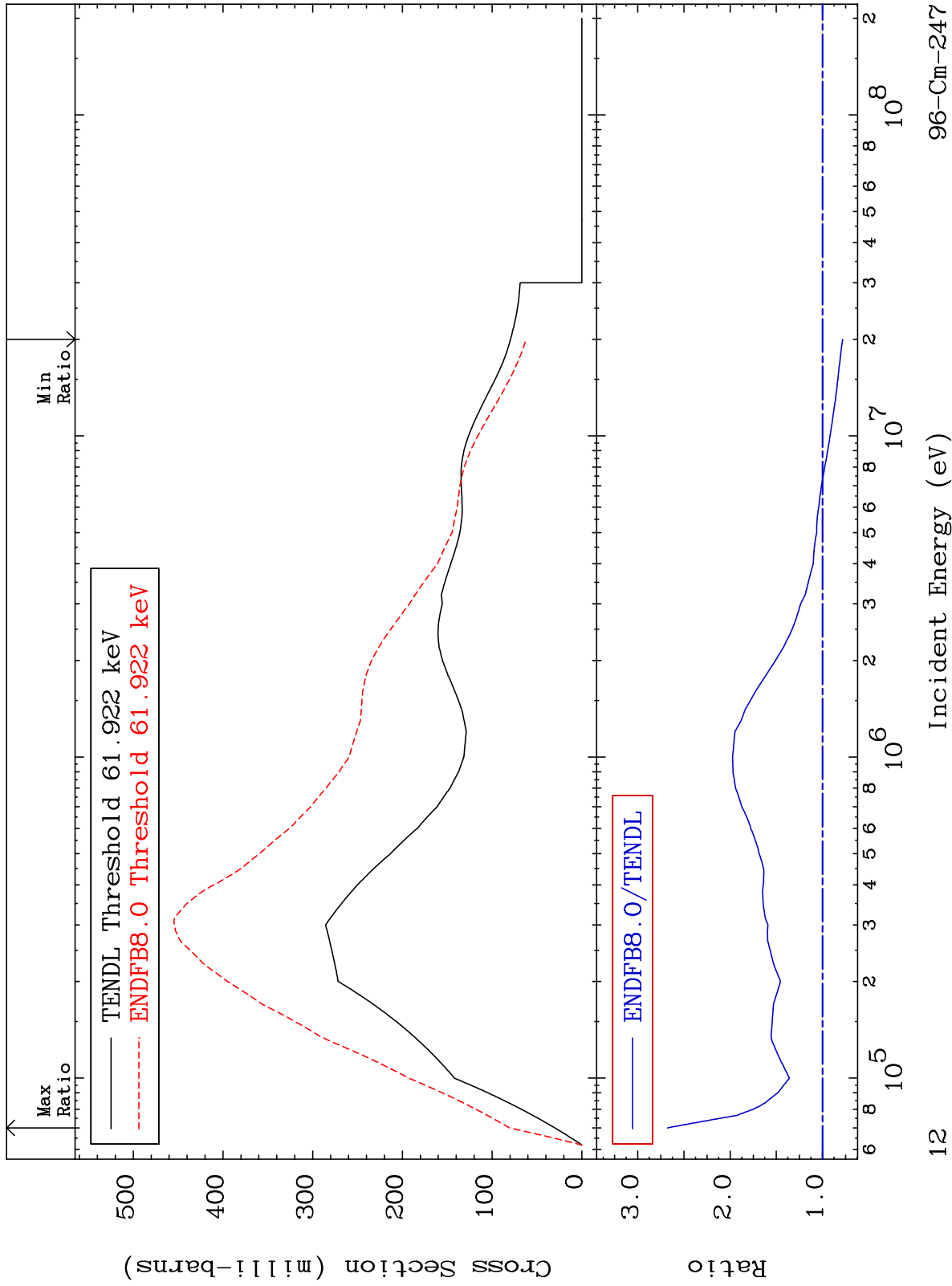
MAT 9646

(n,3nf) Fourth Chance
Cross Section

96-Cm-247
-100.0 To -83.42%



MAT 9646 MT= 51 (n,n') Level Cross Section 96-Cm-247
 -21.84 To 167.8 %

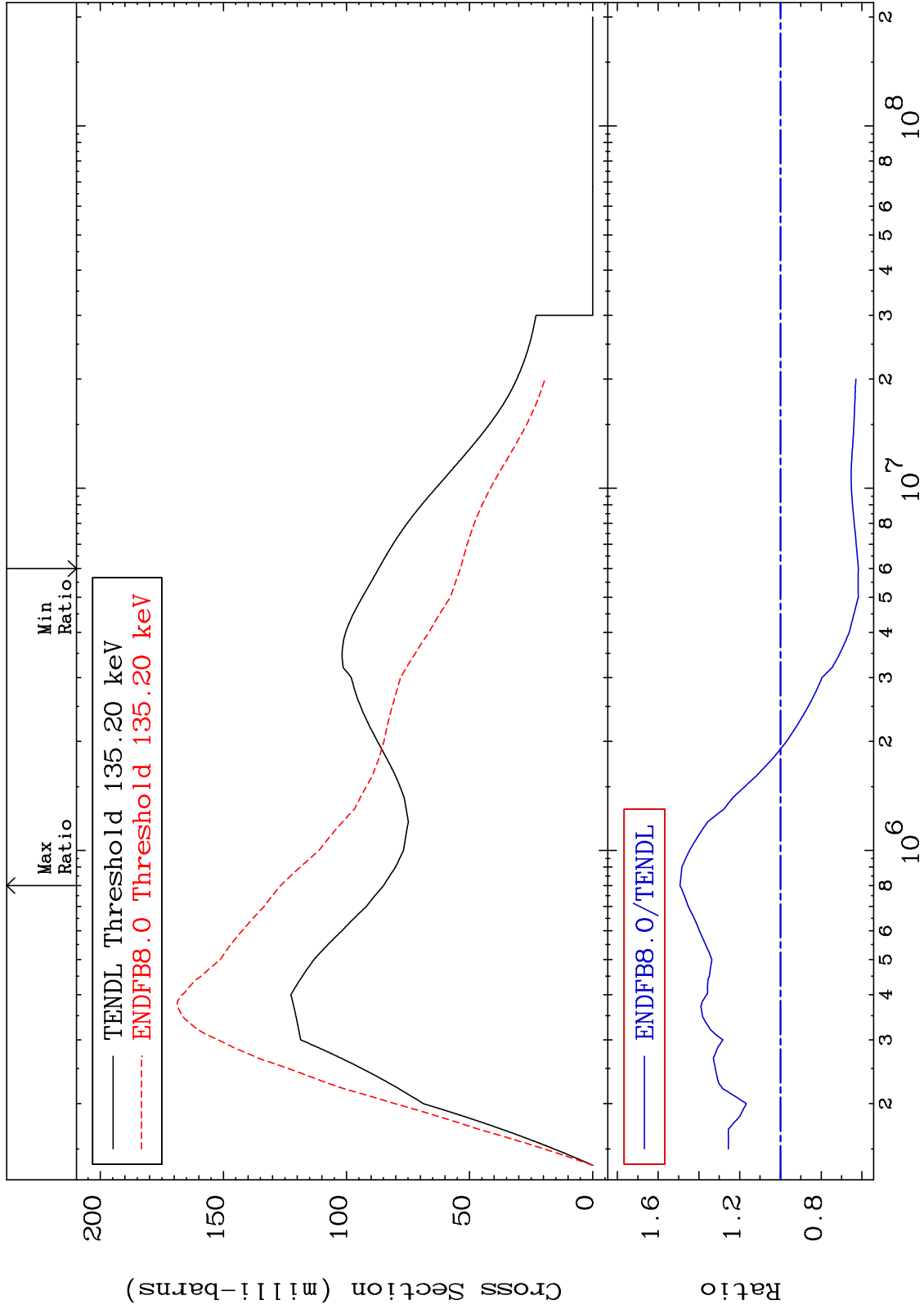


12 Incident Energy (eV) 96-Cm-247

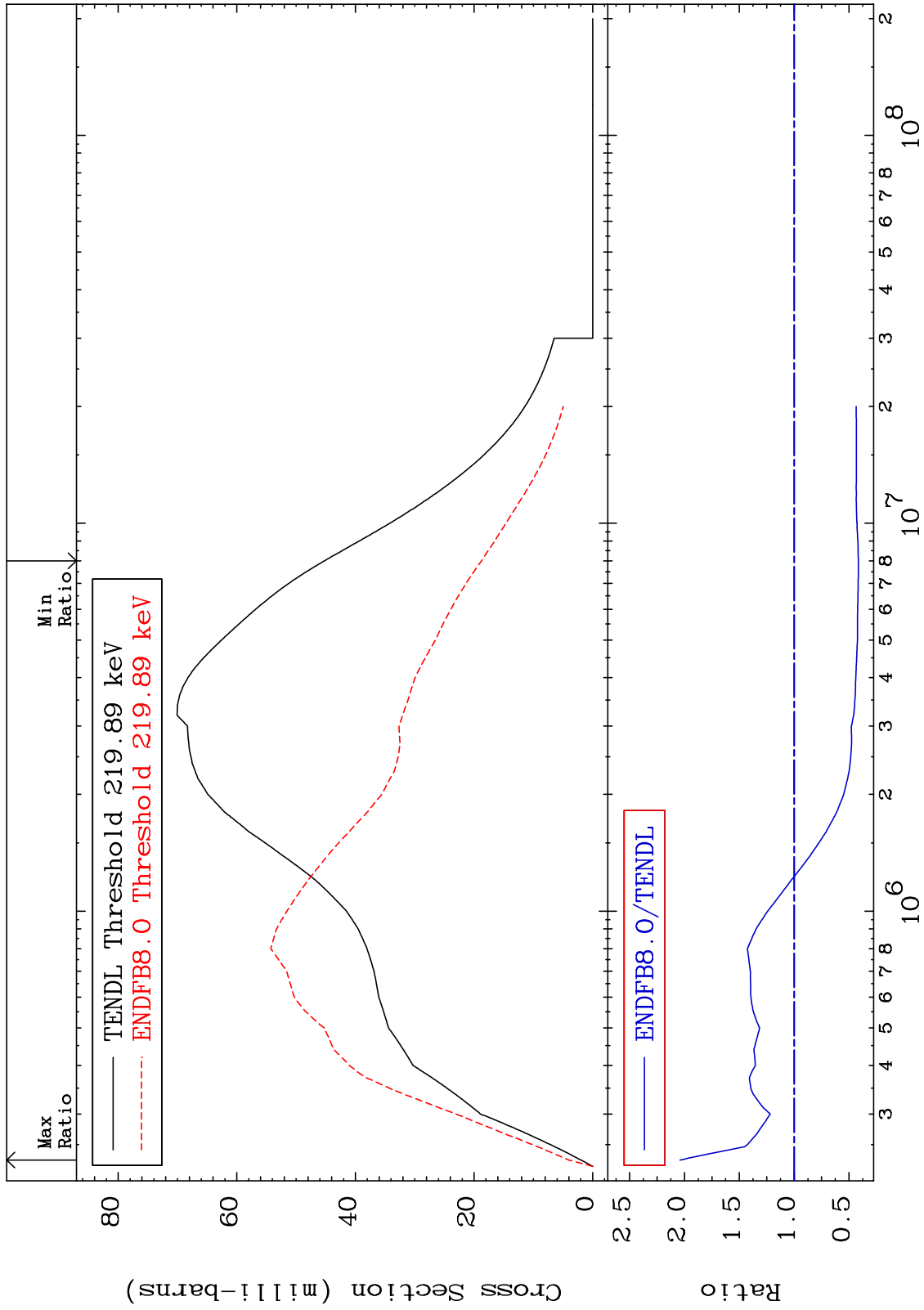
MAT 9646

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

96-Cm-247
-38.26 To 49.27 %



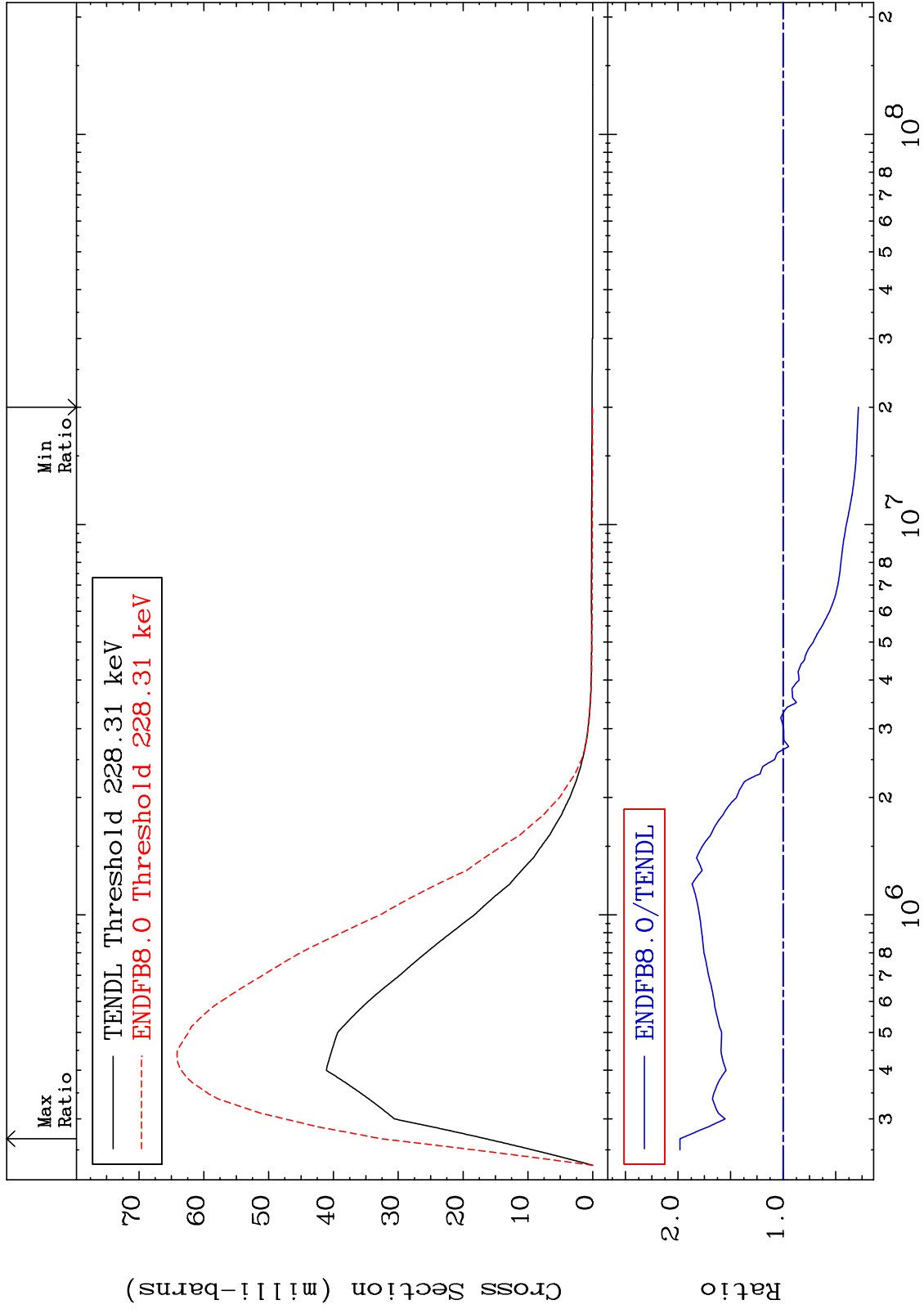
MAT 9646 MT= 53 (n,n') Level 96-Cm-247
 Cross Section -58.56 To 104.1 %



MAT 9646

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

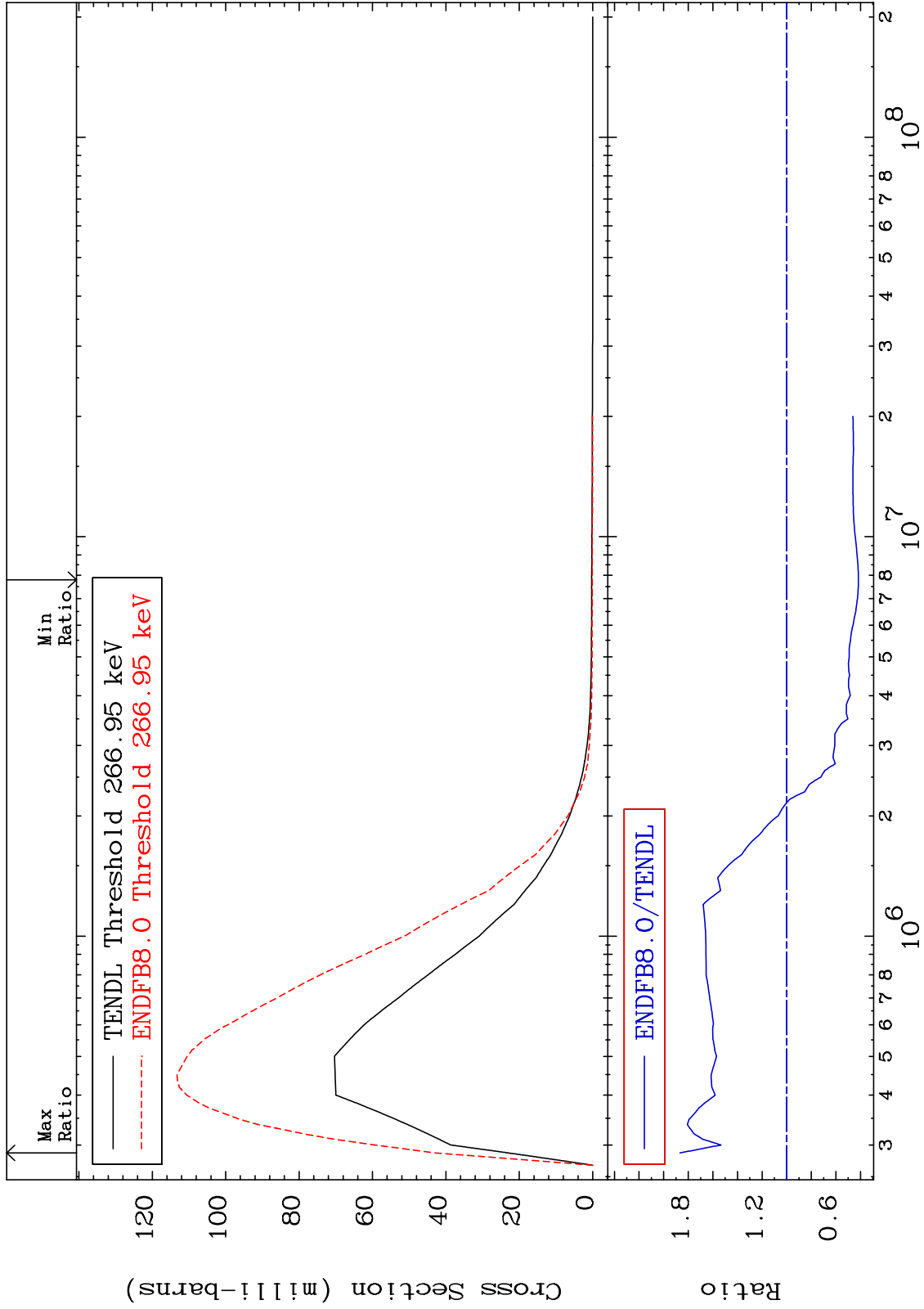
96-Cm-247
-71.53 To 98.16 %



MAT 9646

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

96-Cm-247
-58.29 To 86.70 %



16

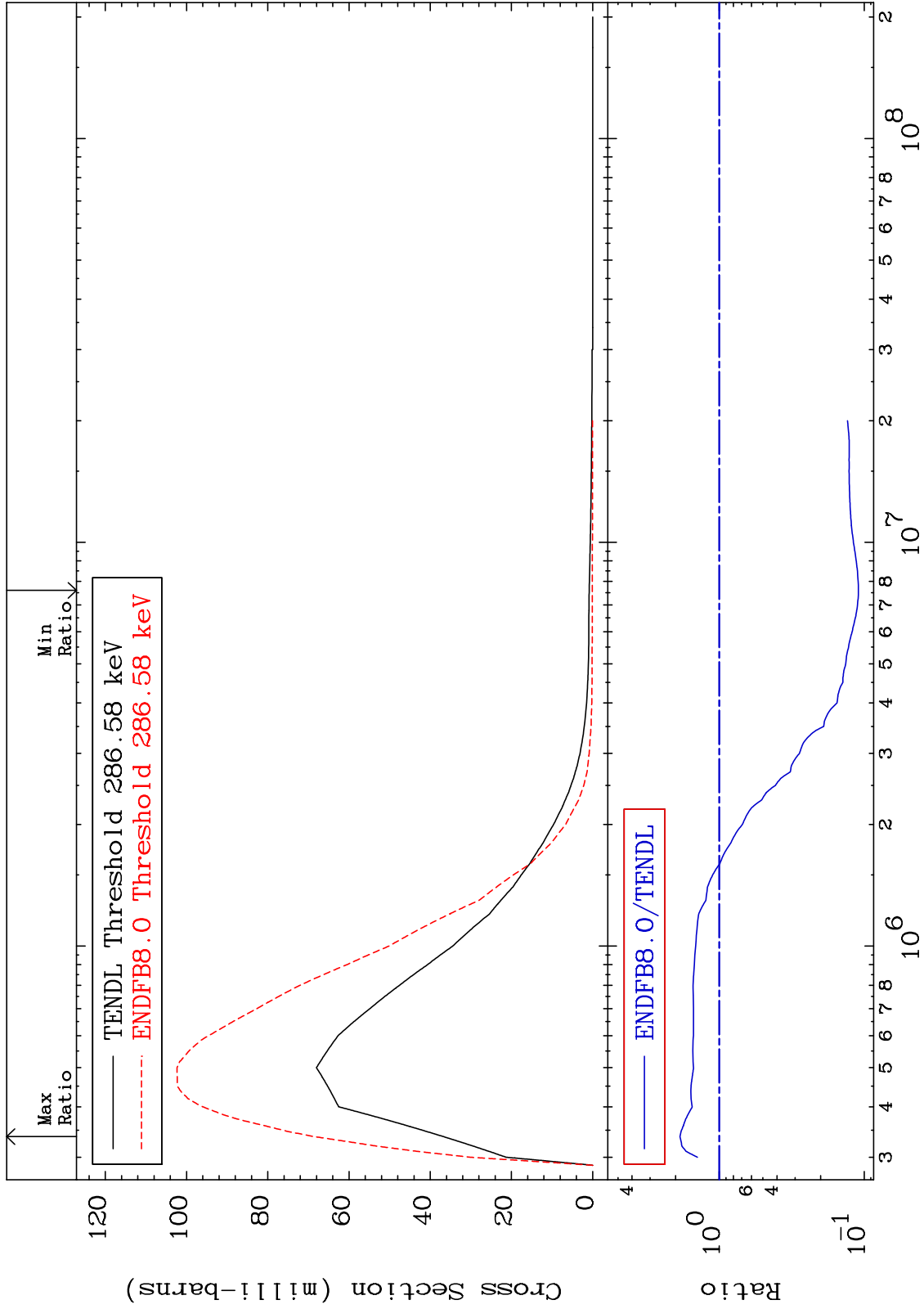
Incident Energy (eV)

96-Cm-247

MAT 9646

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

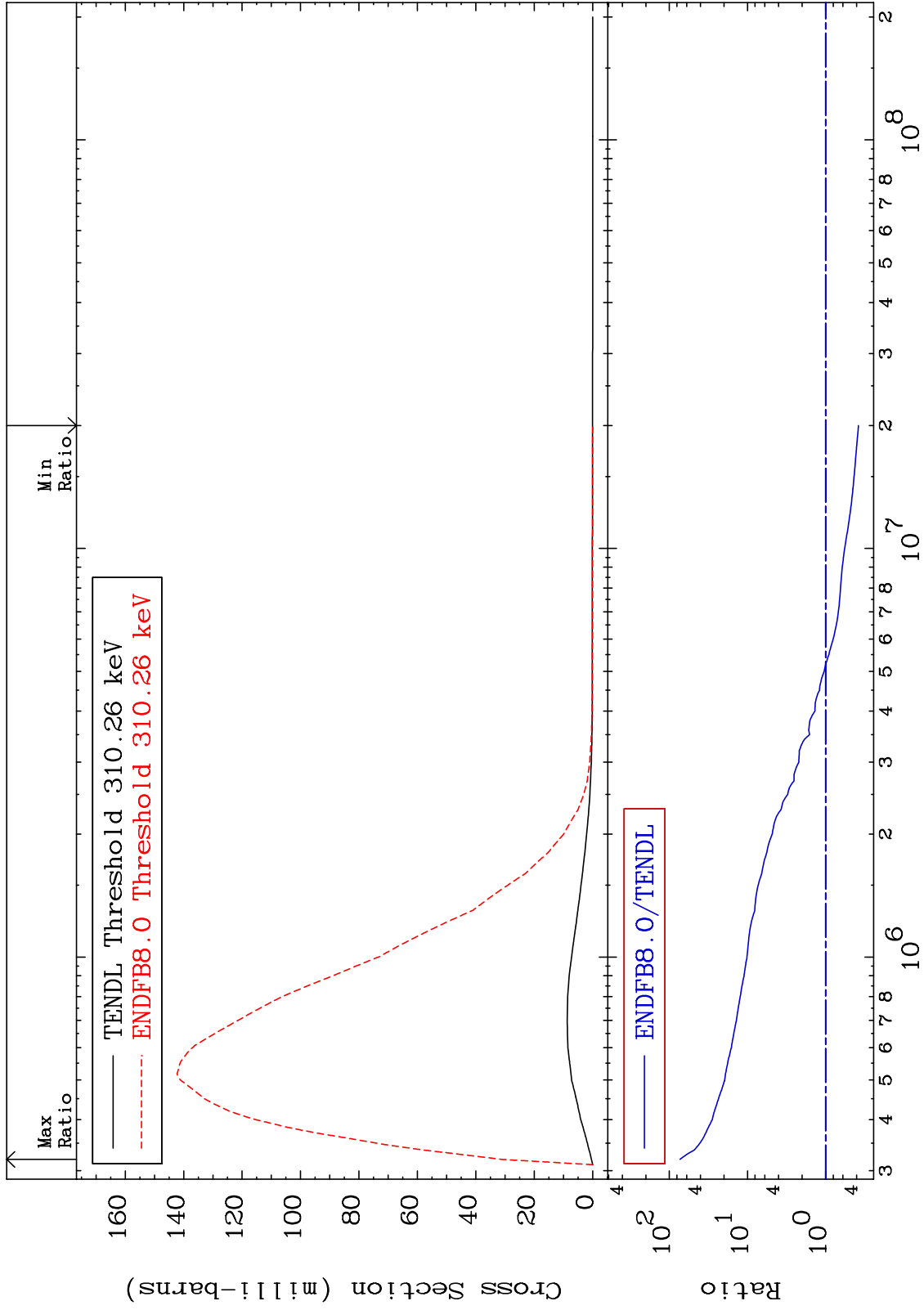
96-Cm-247
-89.03 To 86.50 %



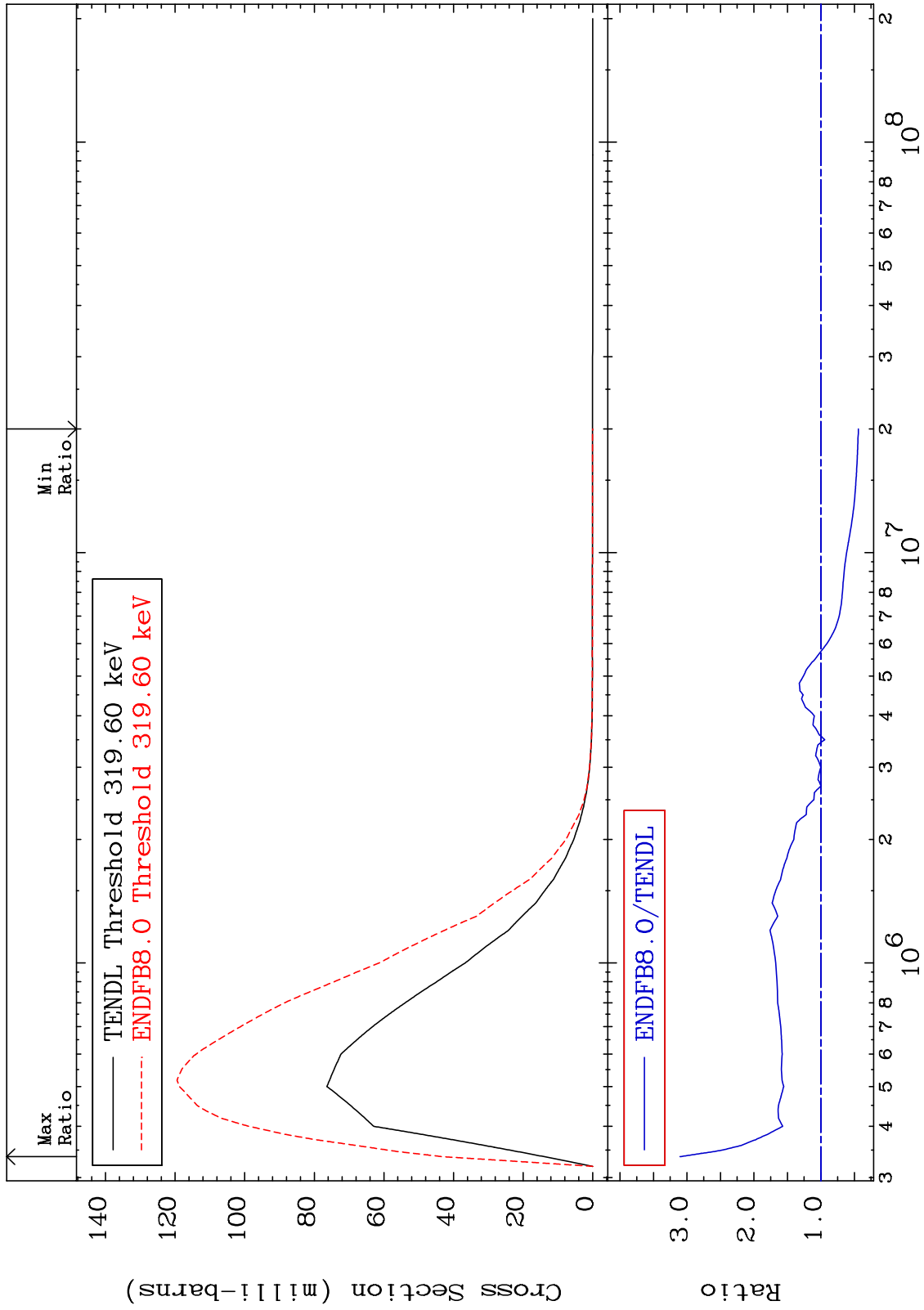
MAT 9646

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

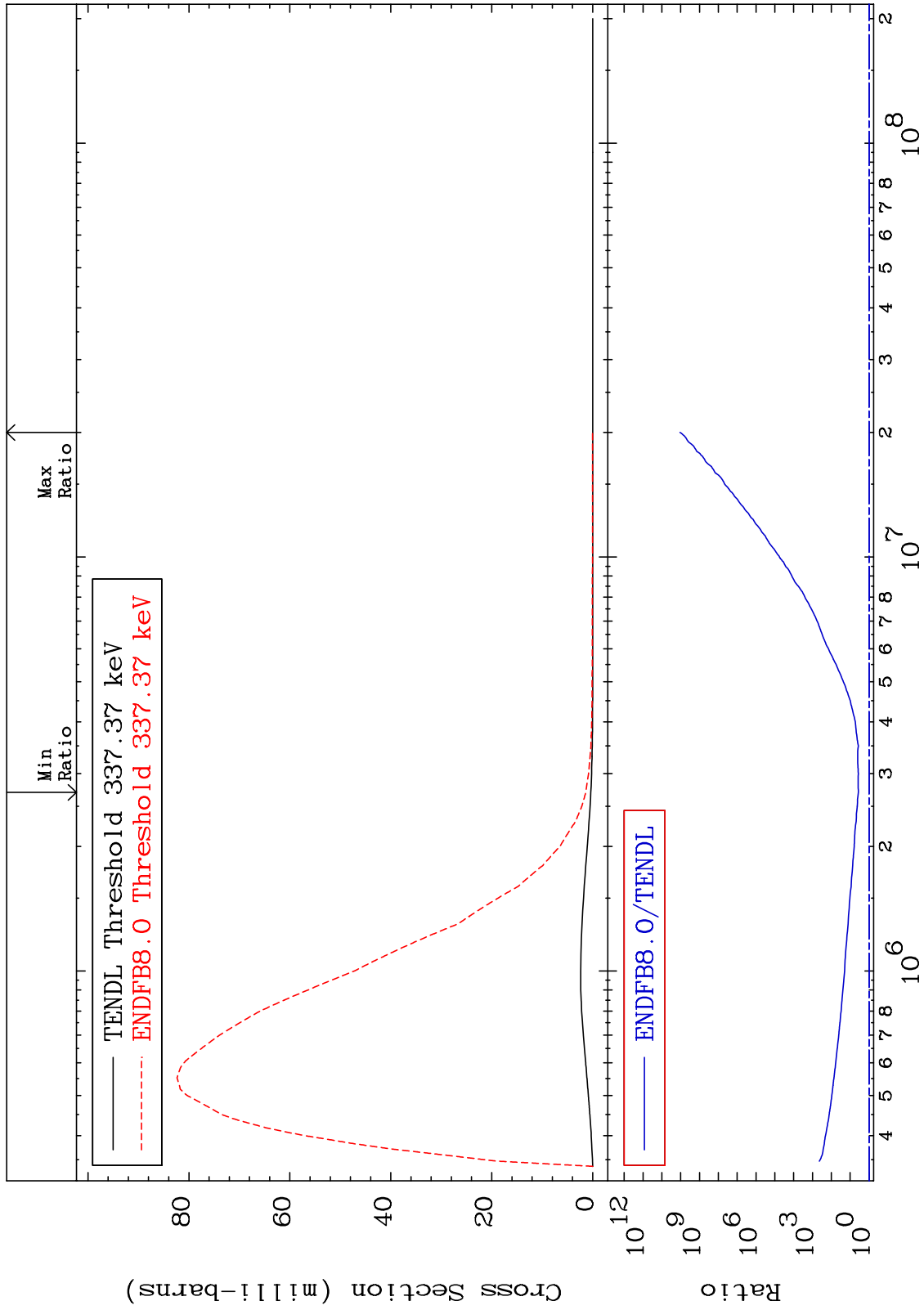
96-Cm-247
-61.95 To 7204. %



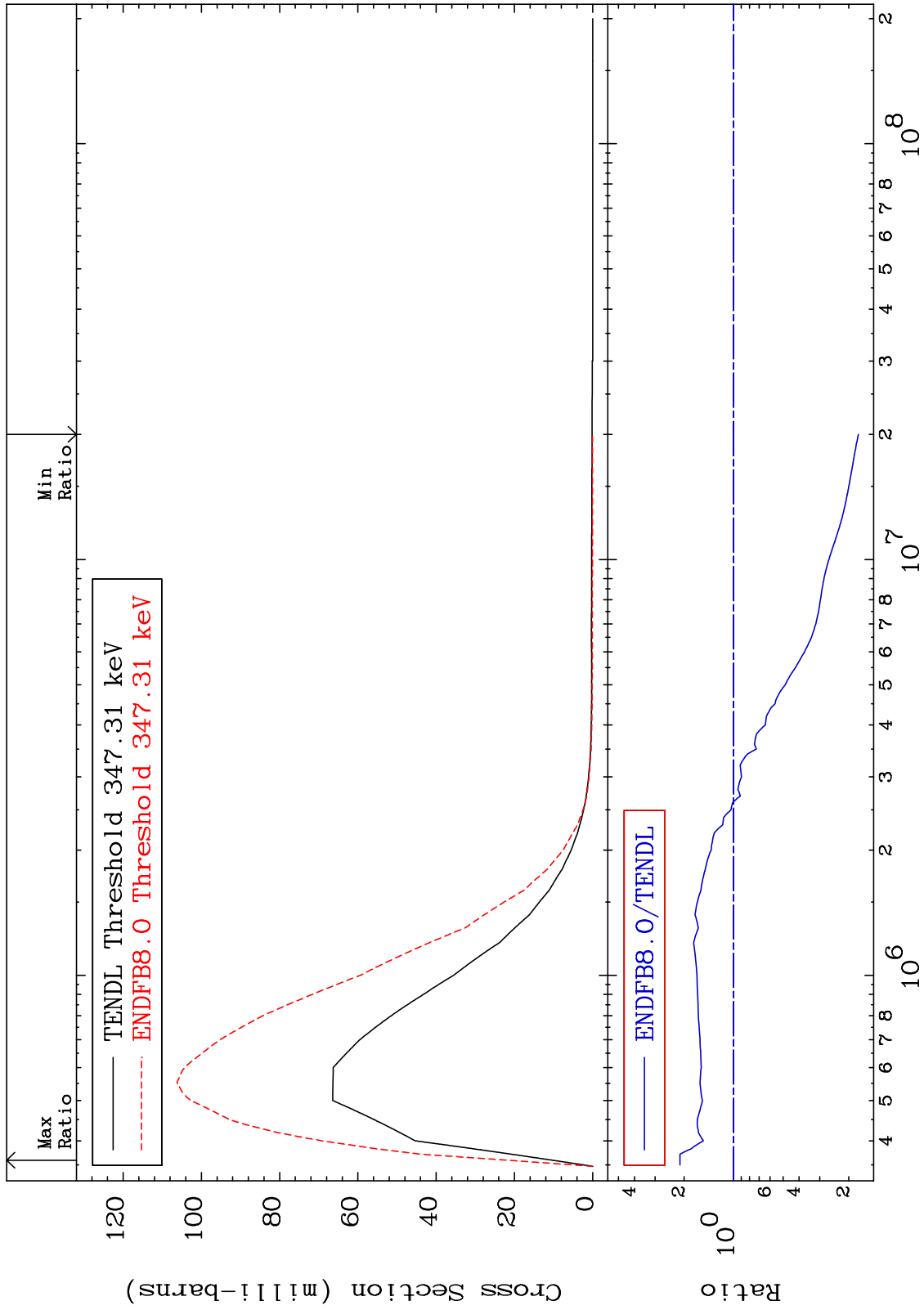
MAT 9646 MT= 58 (n,n') Level Cross Section 96-Cm-247
 -56.05 To 210.3 %



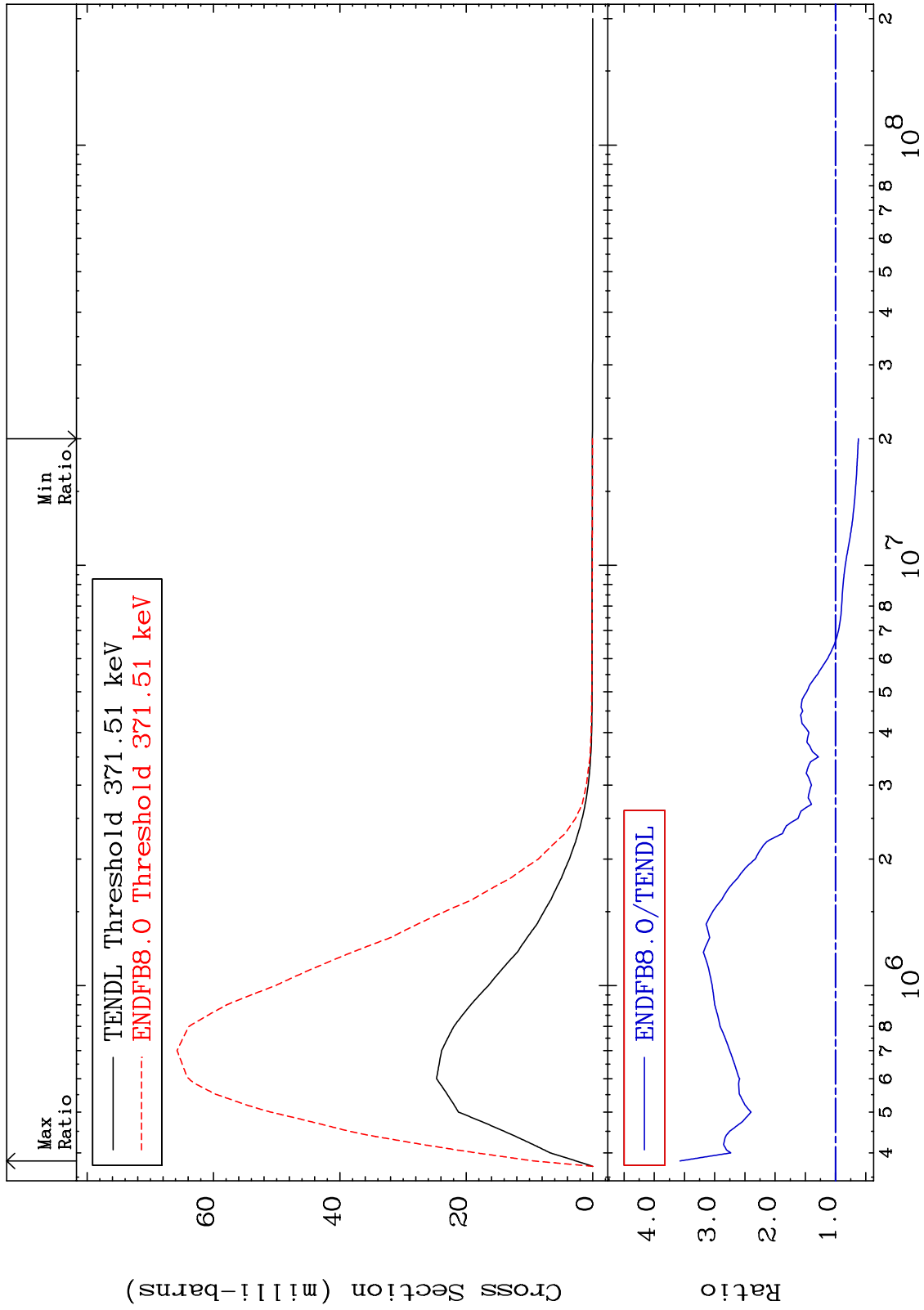
MAT 9646 MT= 59 (n,n') Level Cross Section 96-Cm-247
 262.9 To 9999. %



MAT 9646 MT= 60 (n,n') Level Cross Section 96-Cm-247 -82.54 To 111.6 %



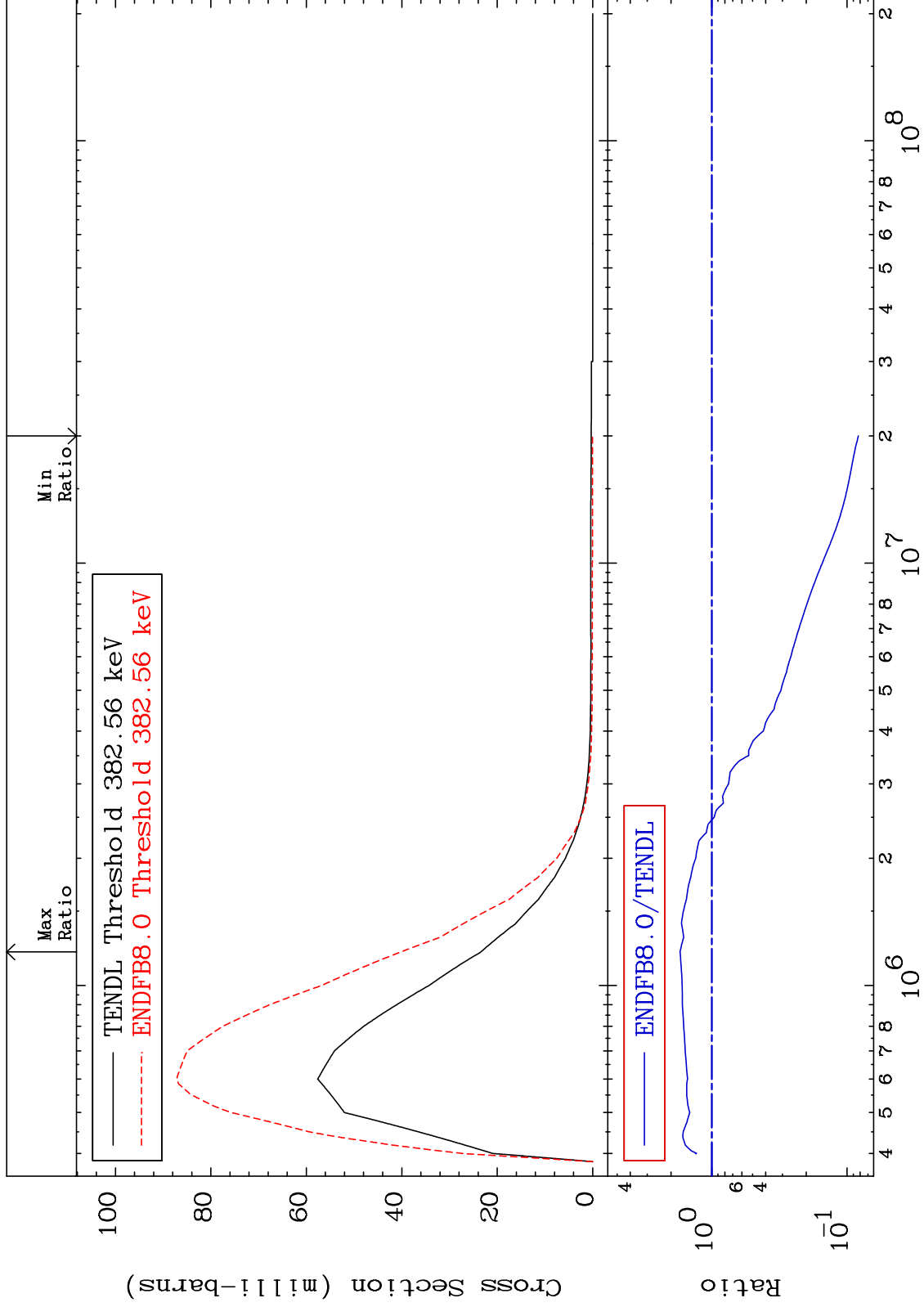
MAT 9646 MT= 61 (n,n') Level 96-Cm-247
 Cross Section -37.88 To 257.4 %



MAT 9646

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

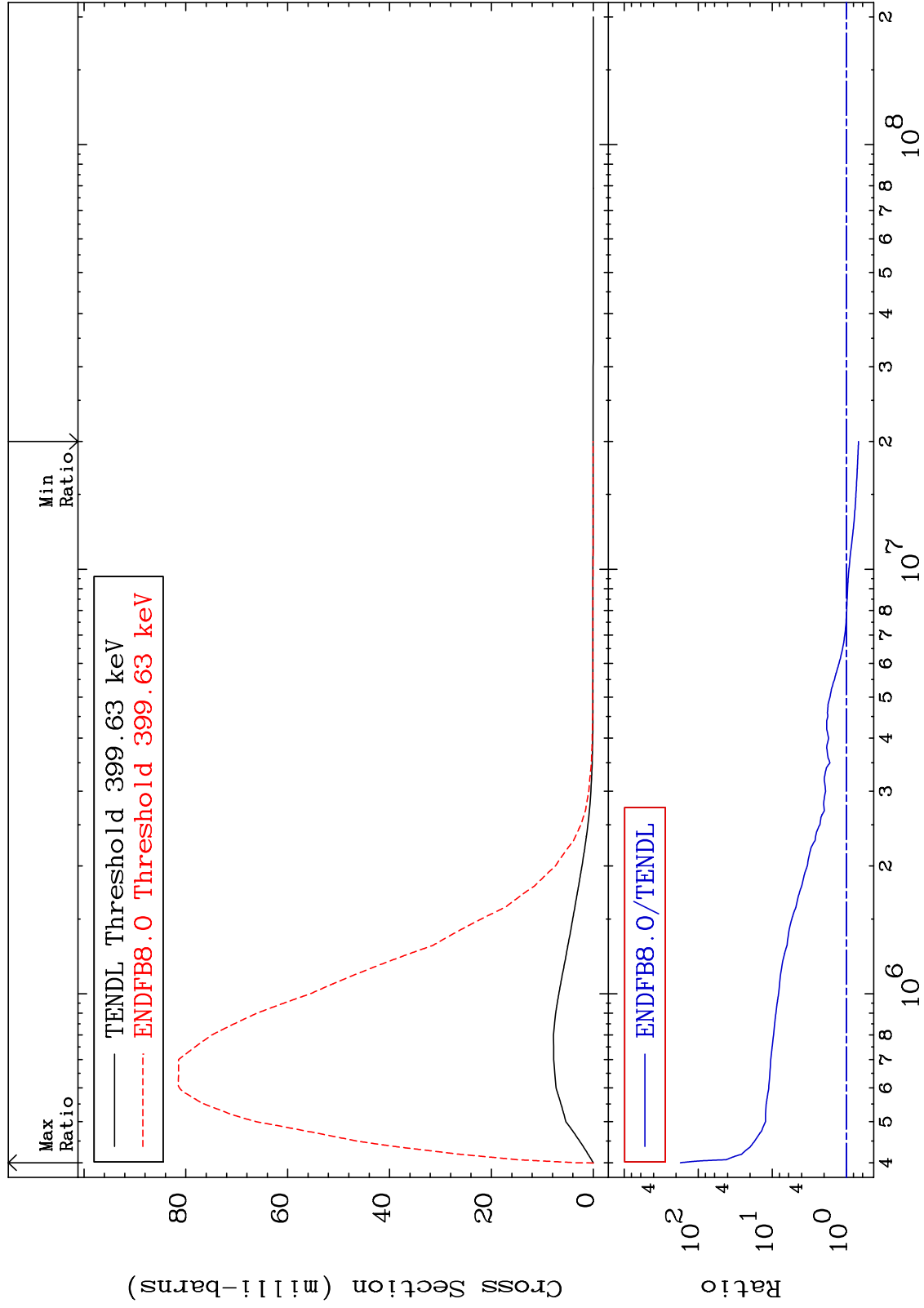
96-Cm-247
-91.76 To 71.67 %



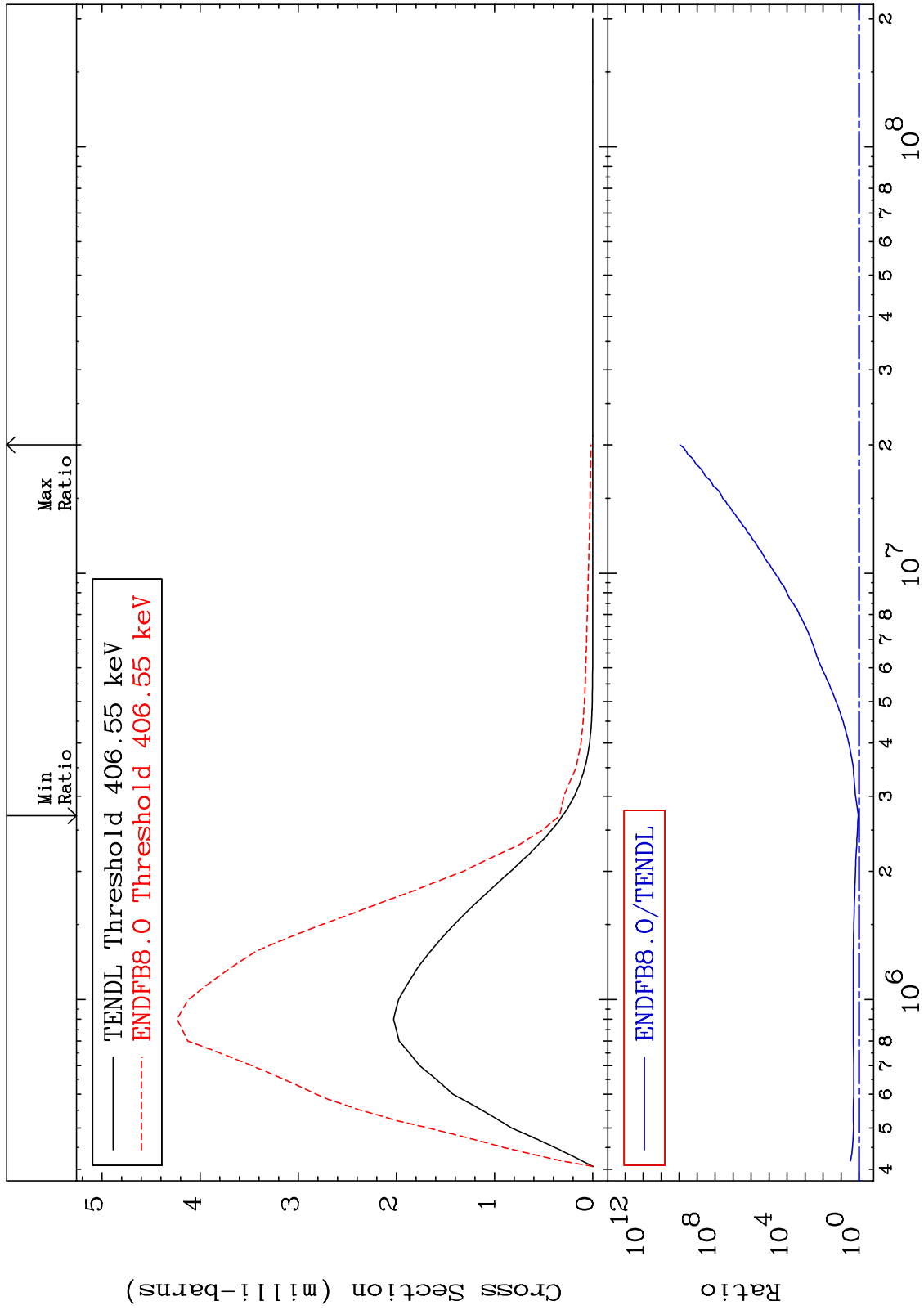
MAT 9646

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

96-Cm-247
-31.74 To 9999. %



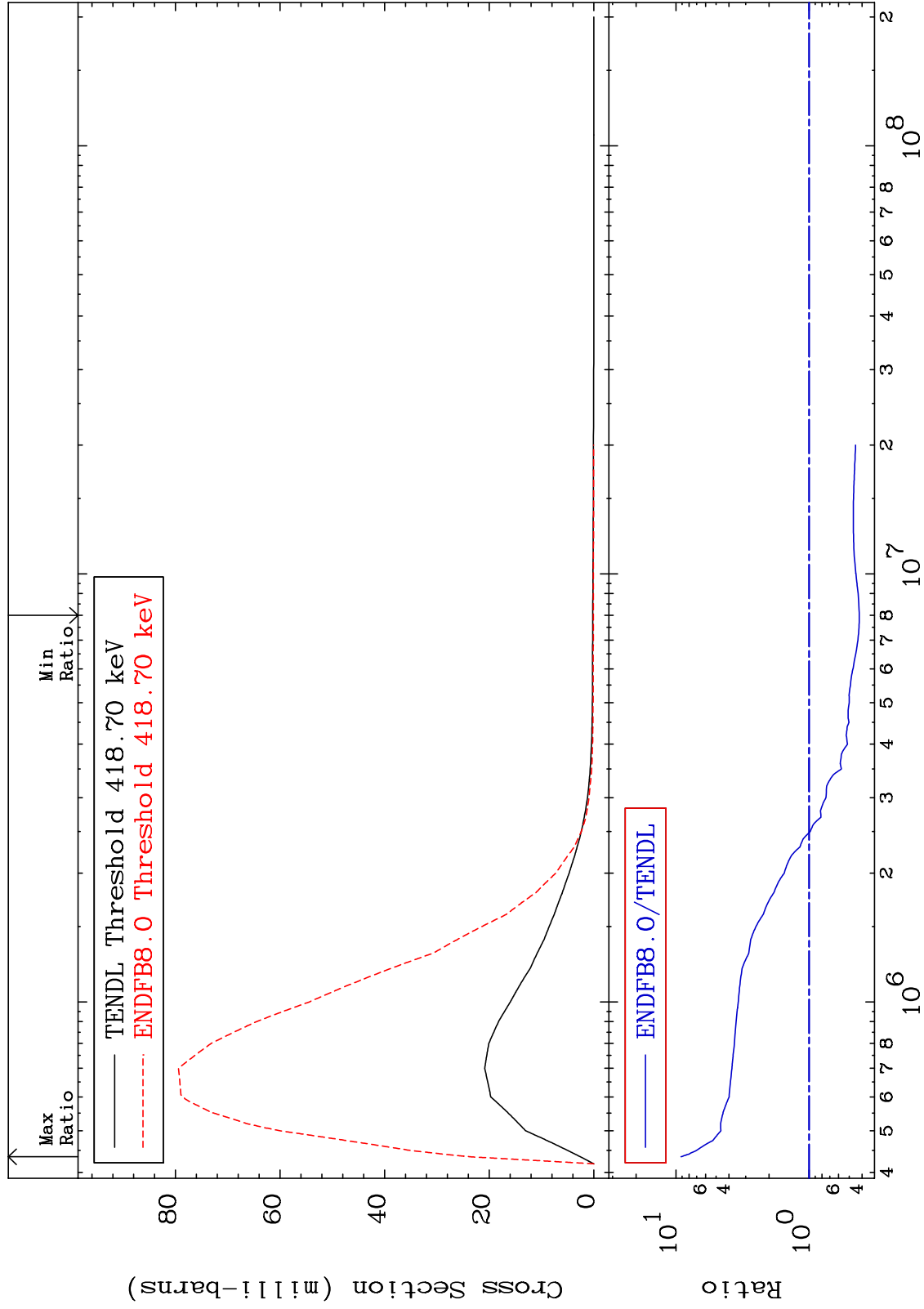
MAT 9646 MT= 64 (n,n') Level Cross Section 96-Cm-247 9.222 To 9999. %



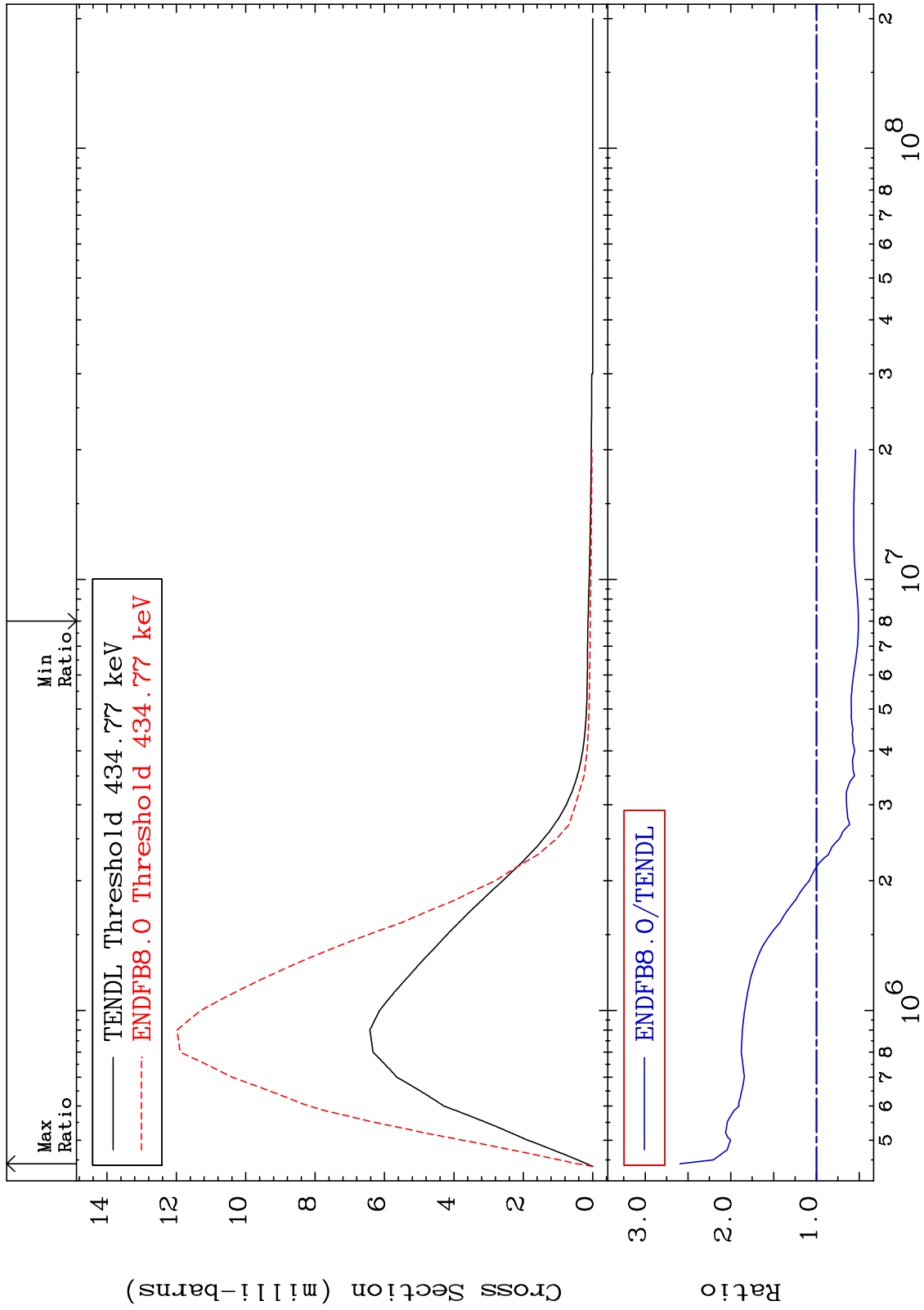
MAT 9646

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

96-Cm-247
-58.03 To 817.4 %



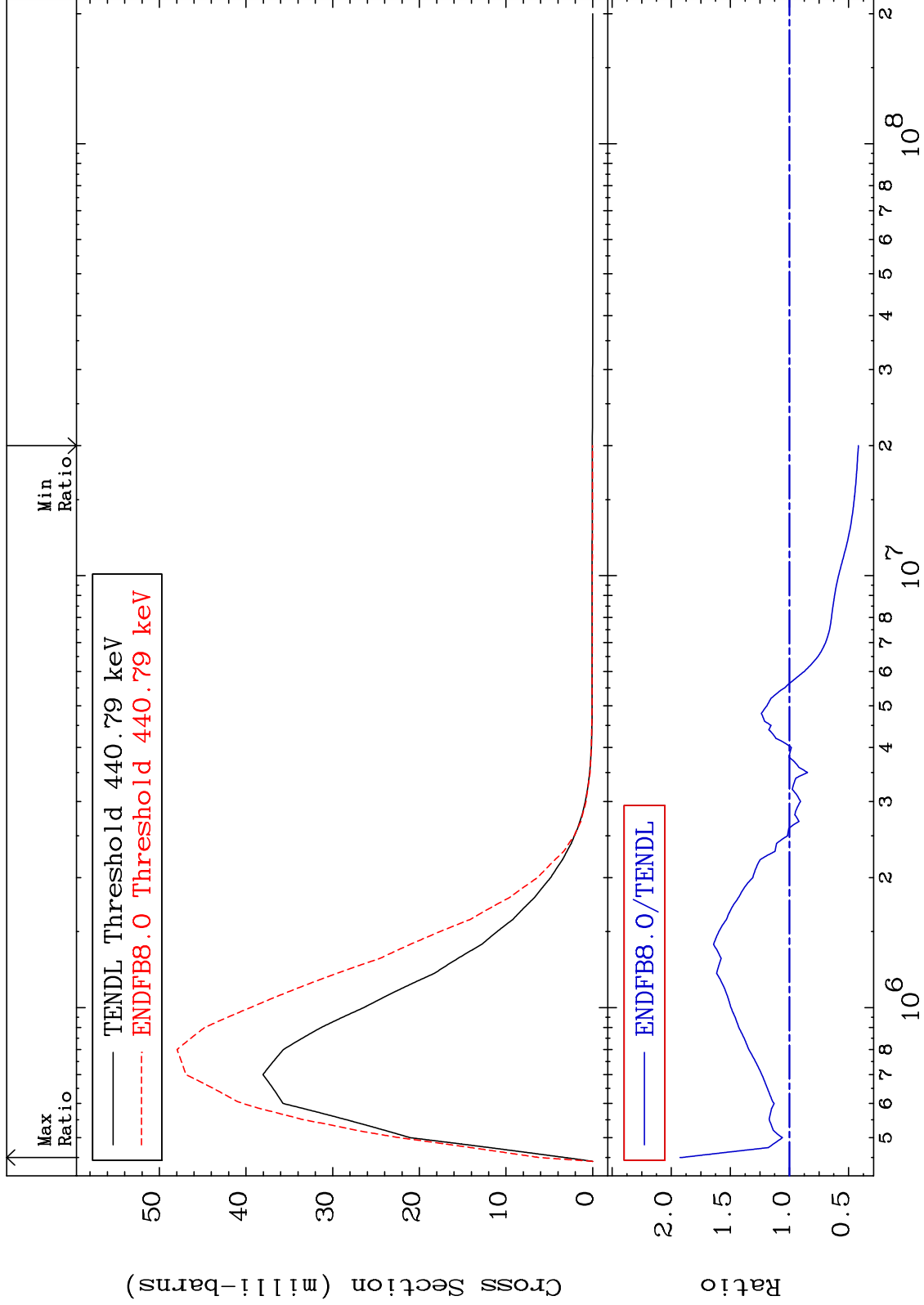
MAT 9646 MT= 66 (n,n') Level 96-Cm-247
 Cross Section -49.01 To 159.3 %



MAT 9646

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

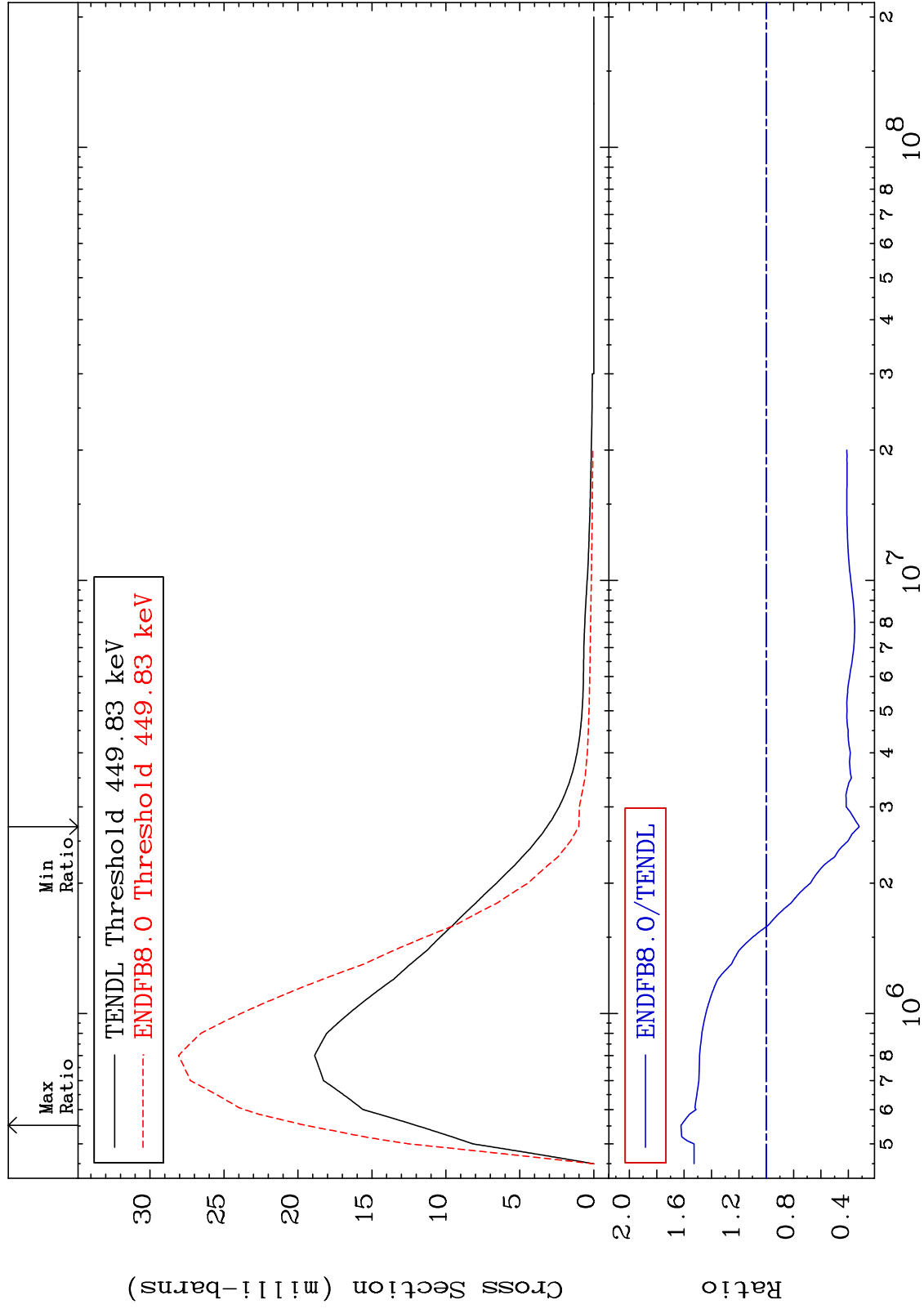
96-Cm-247
-58.29 To 92.57 %



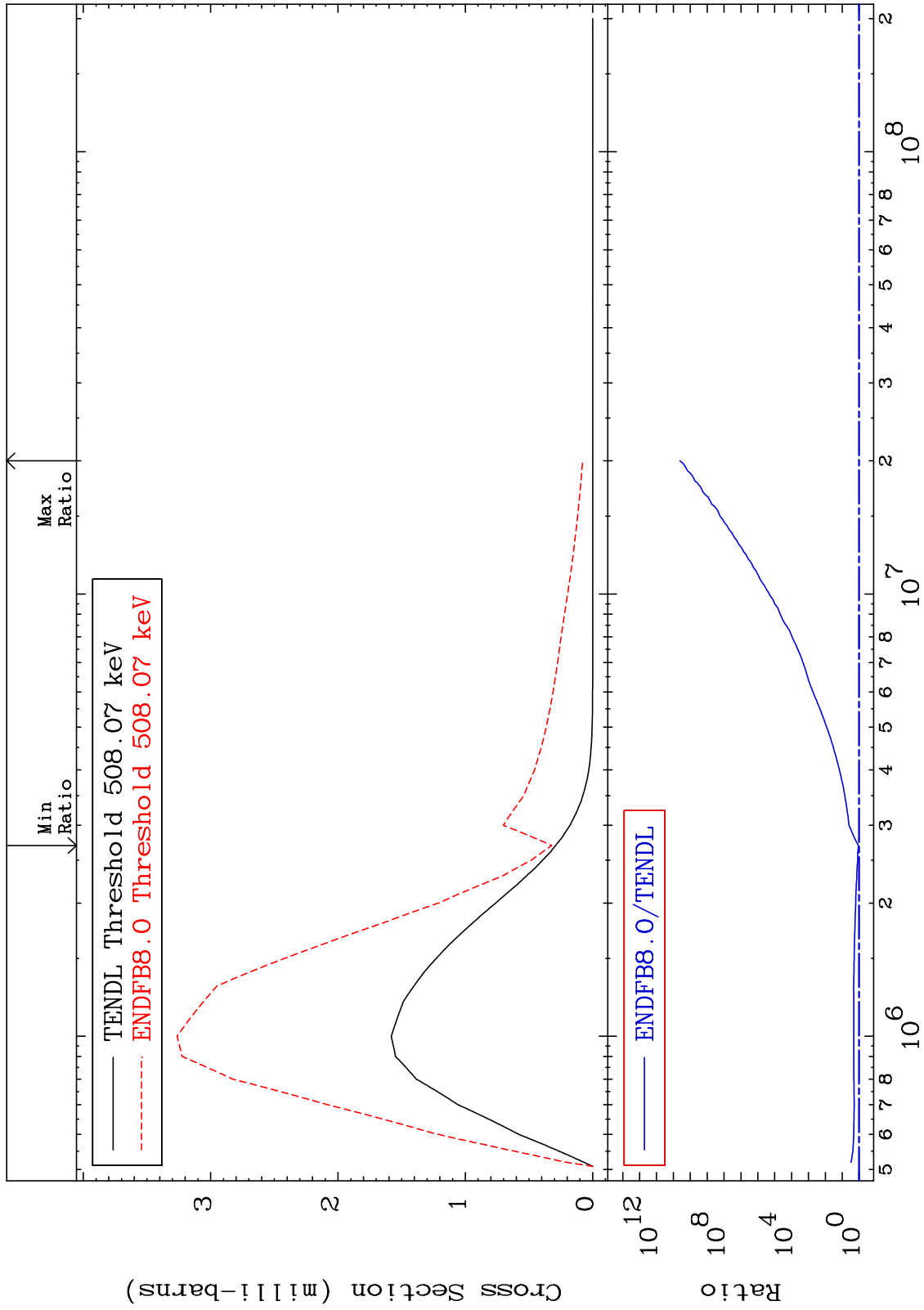
MAT 9646

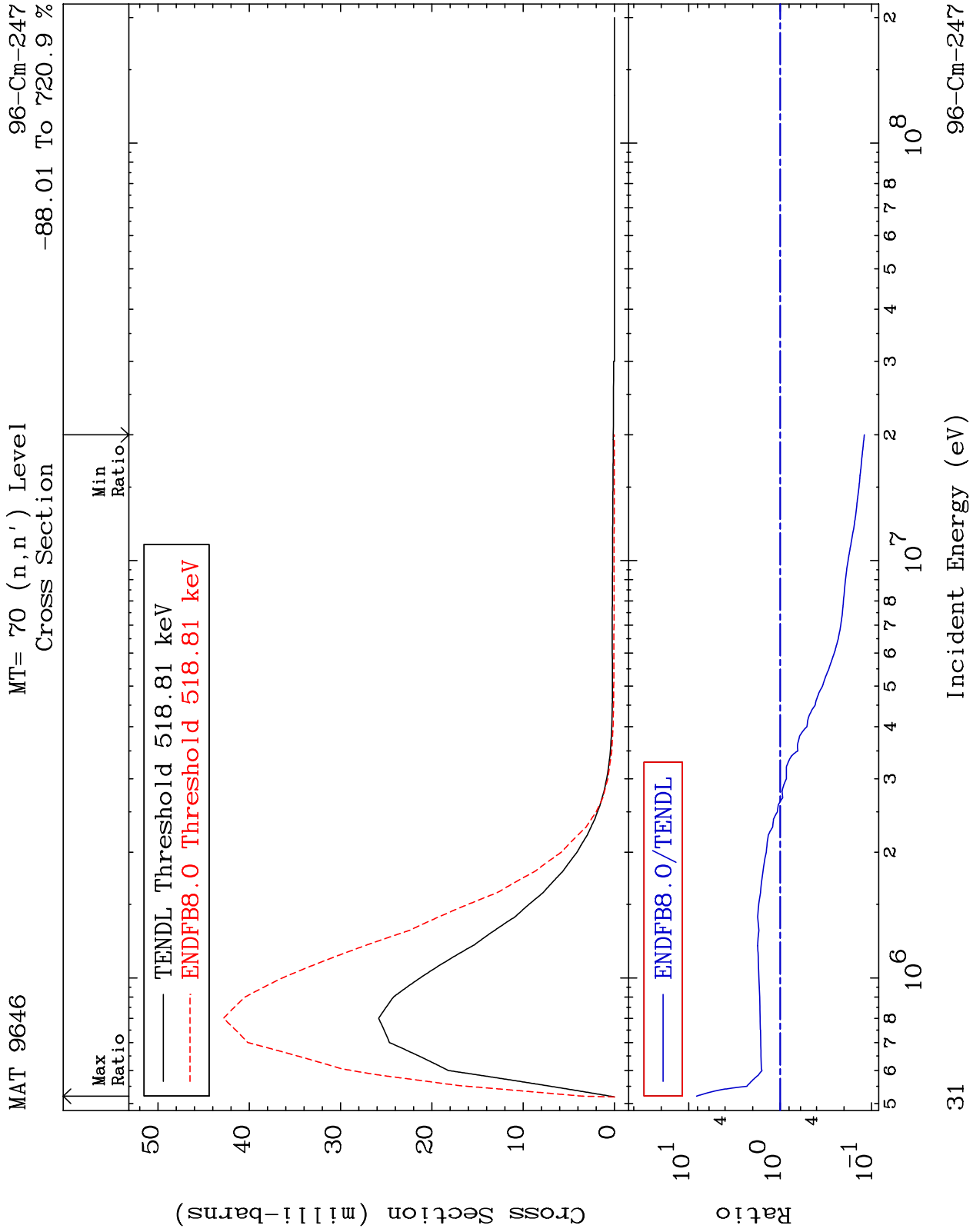
MT= 68 (n,n') Level
Cross Section

96-Cm-247
-68.04 To 62.26 %

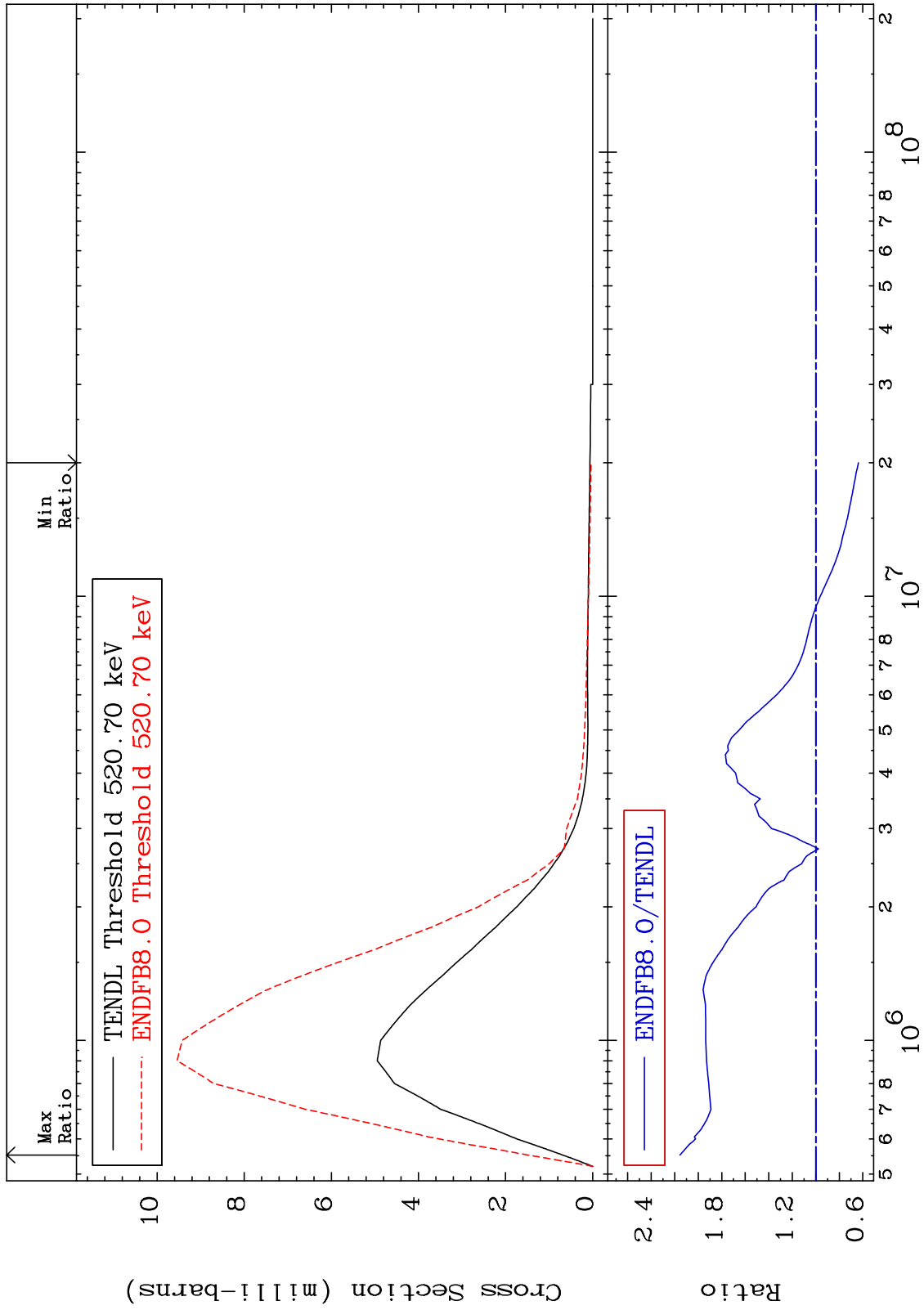


MAT 9646 MT= 69 (n,n') Level Cross Section 96-Cm-247 10.14 To 9999. %

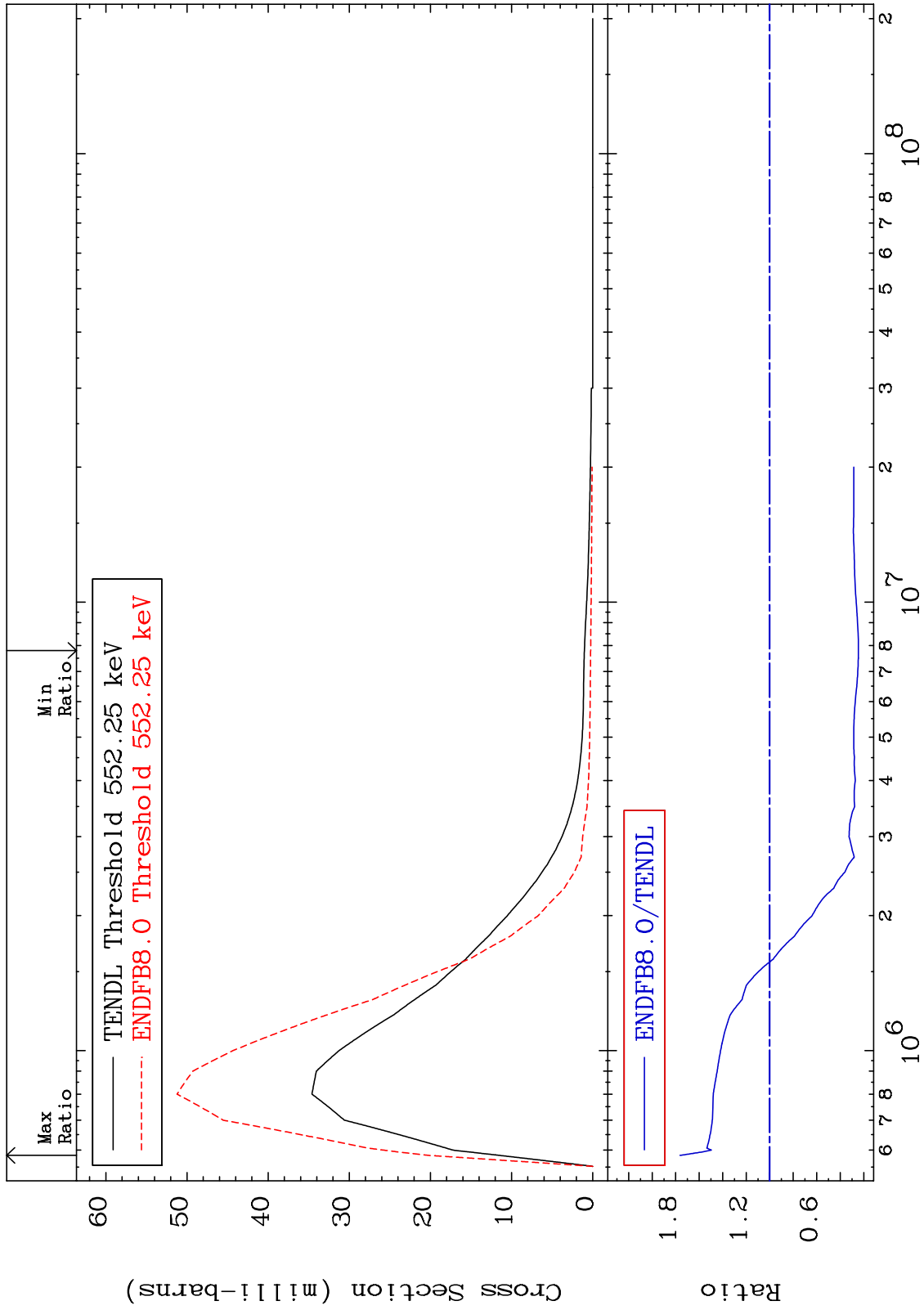




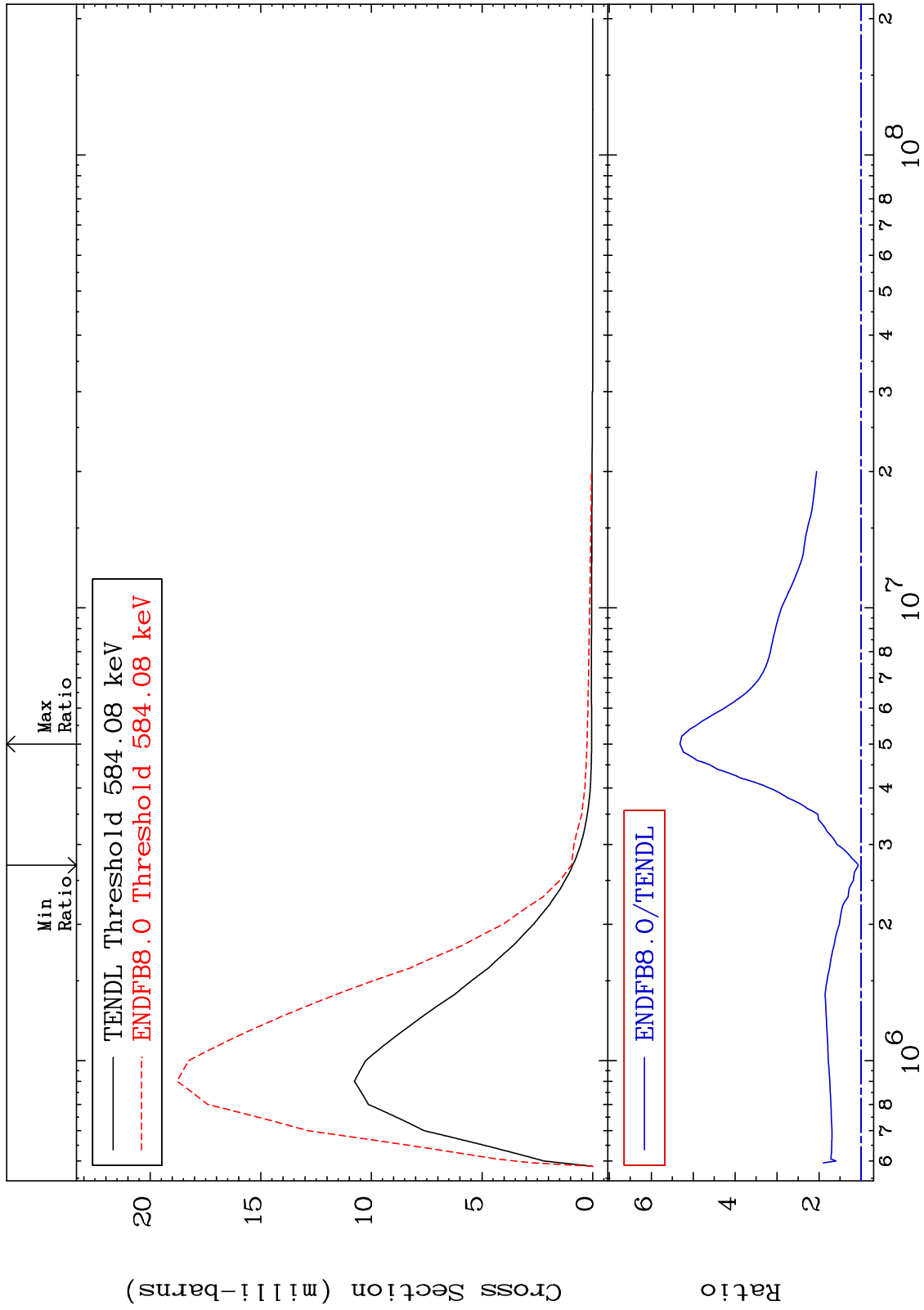
MAT 9646 MT= 71 (n,n') Level Cross Section 96-Cm-247
 -36.27 To 115.5 %



MAT 9646 MT= 72 (n,n') Level Cross Section 96-Cm-247
 -75.49 To 76.31 %



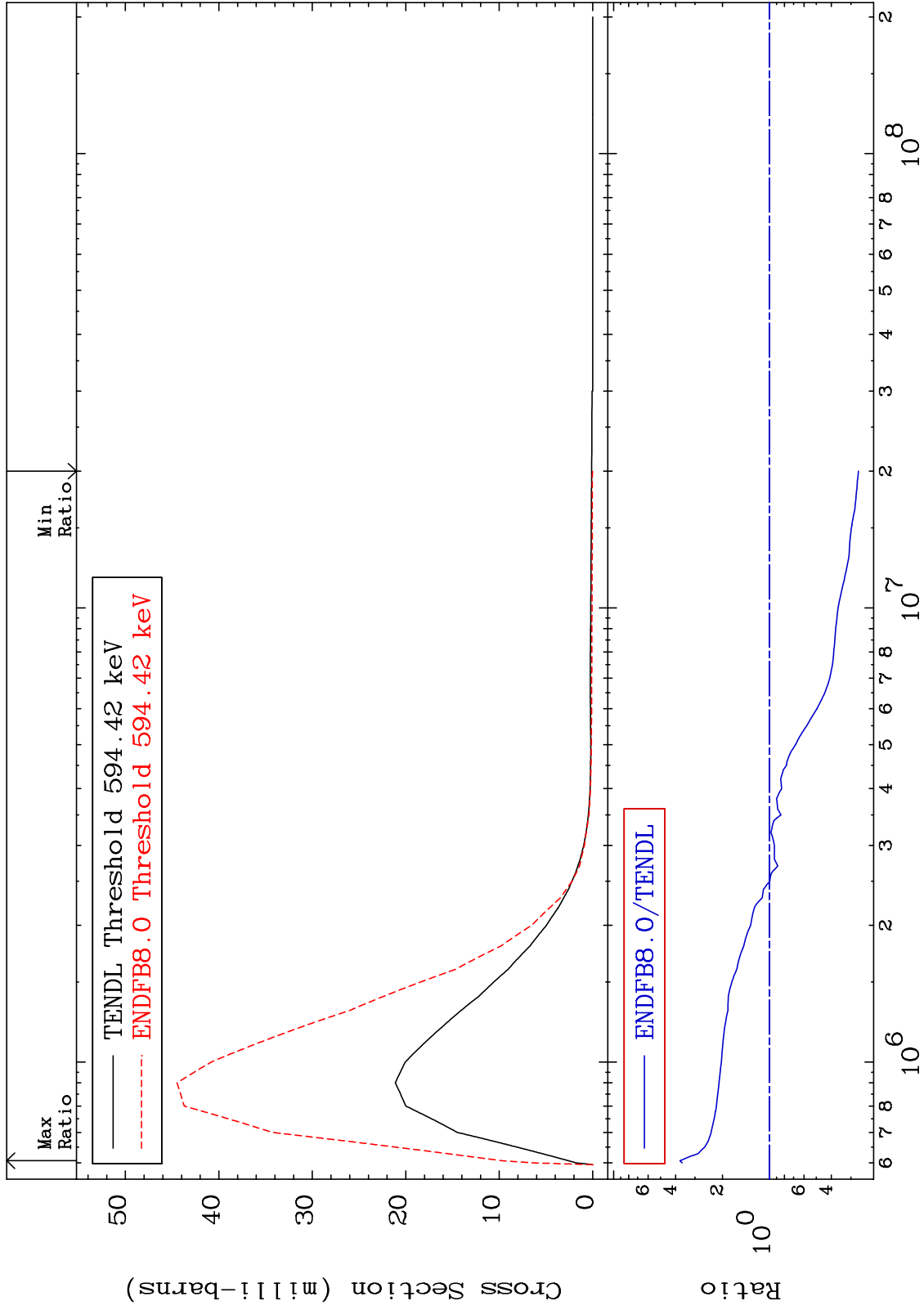
MAT 9646 MT= 73 (n,n') Level 96-Cm-247
 Cross Section 6.076 To 431.5 %



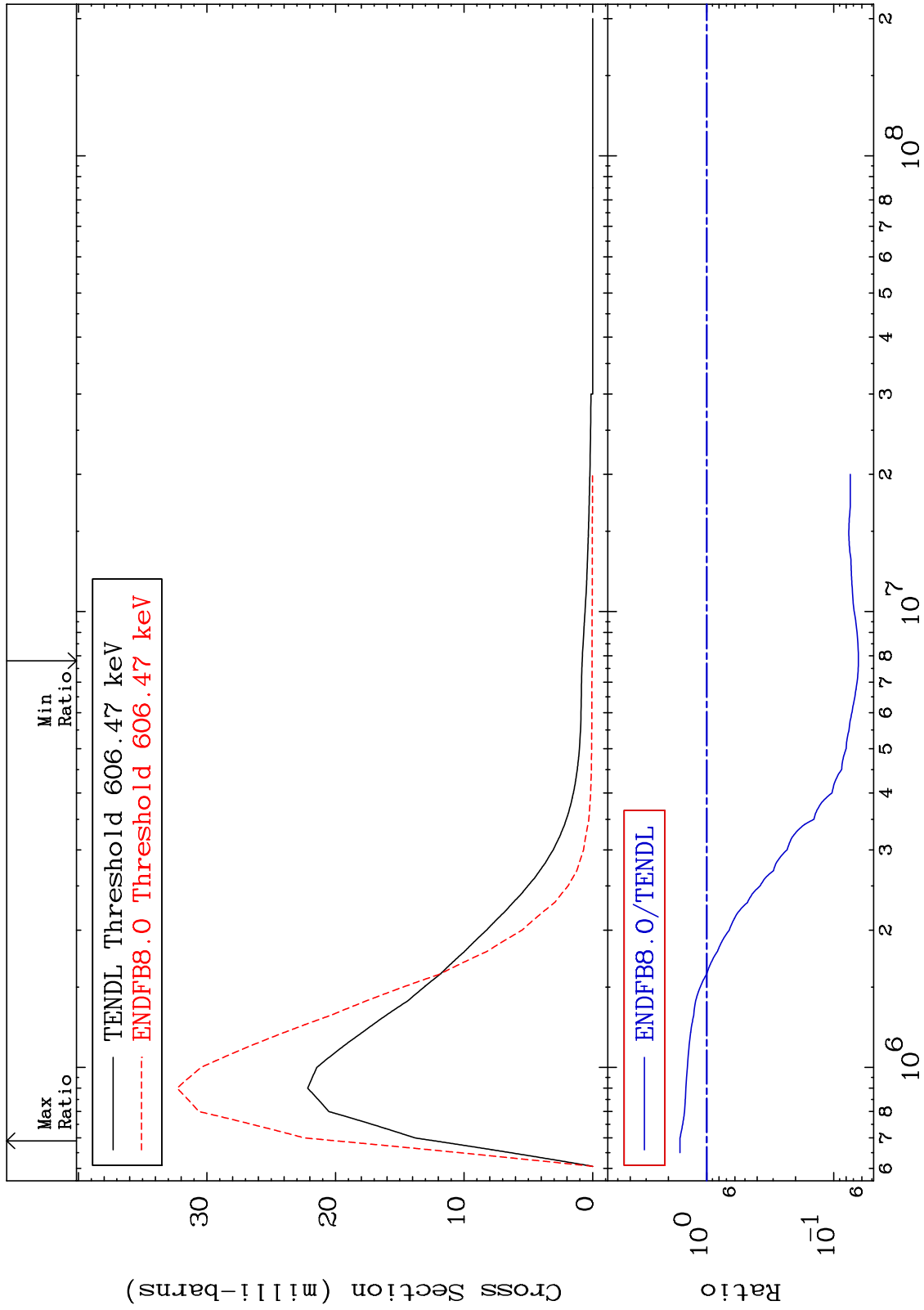
MAT 9646

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

96-Cm-247
-73.15 To 274.6 %



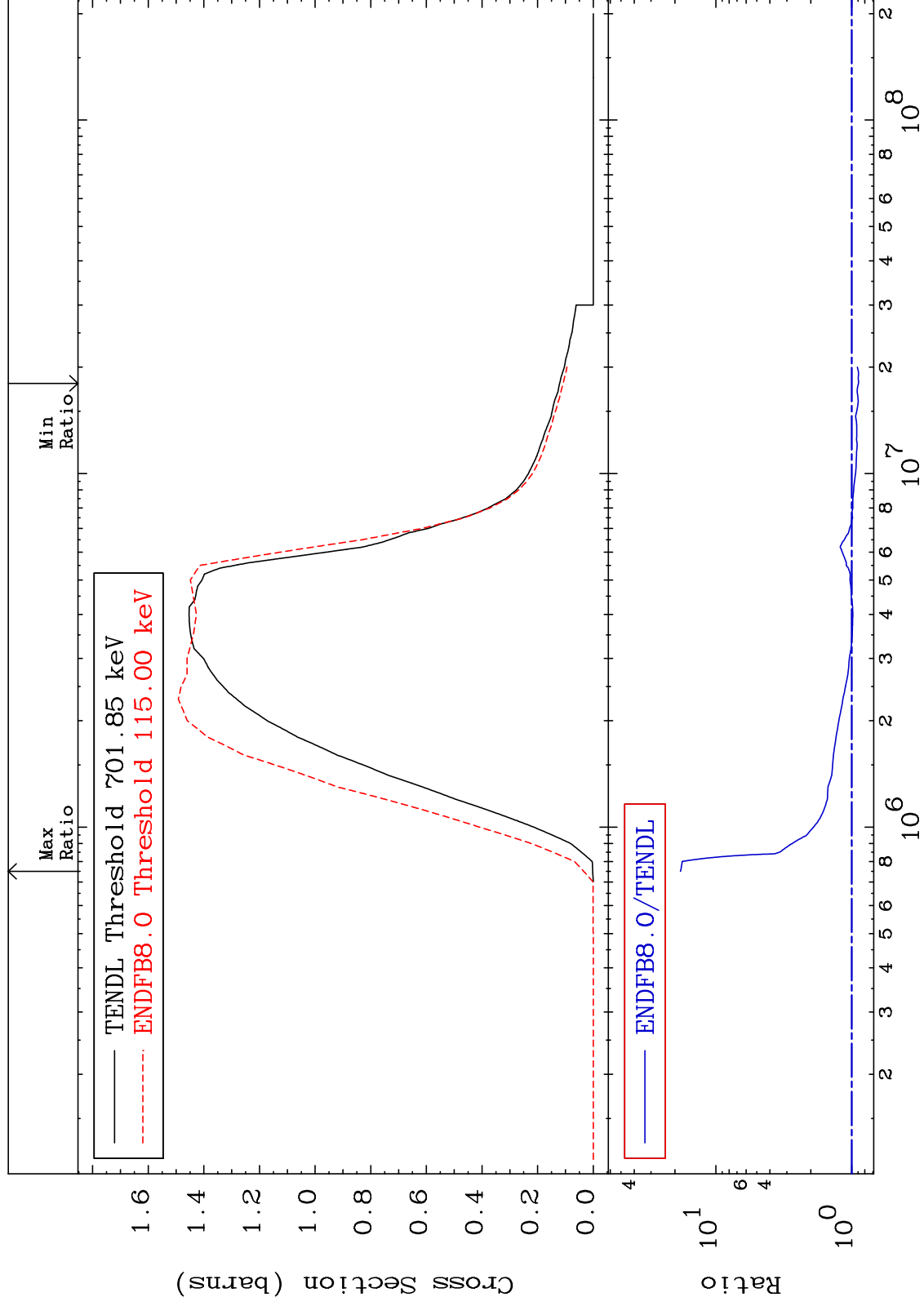
MAT 9646 MT= 75 (n,n') Level
 Cross Section 96-Cm-247
 -93.60 To 62.18 %



MAT 9646

(n,n') Continuum
Cross Section

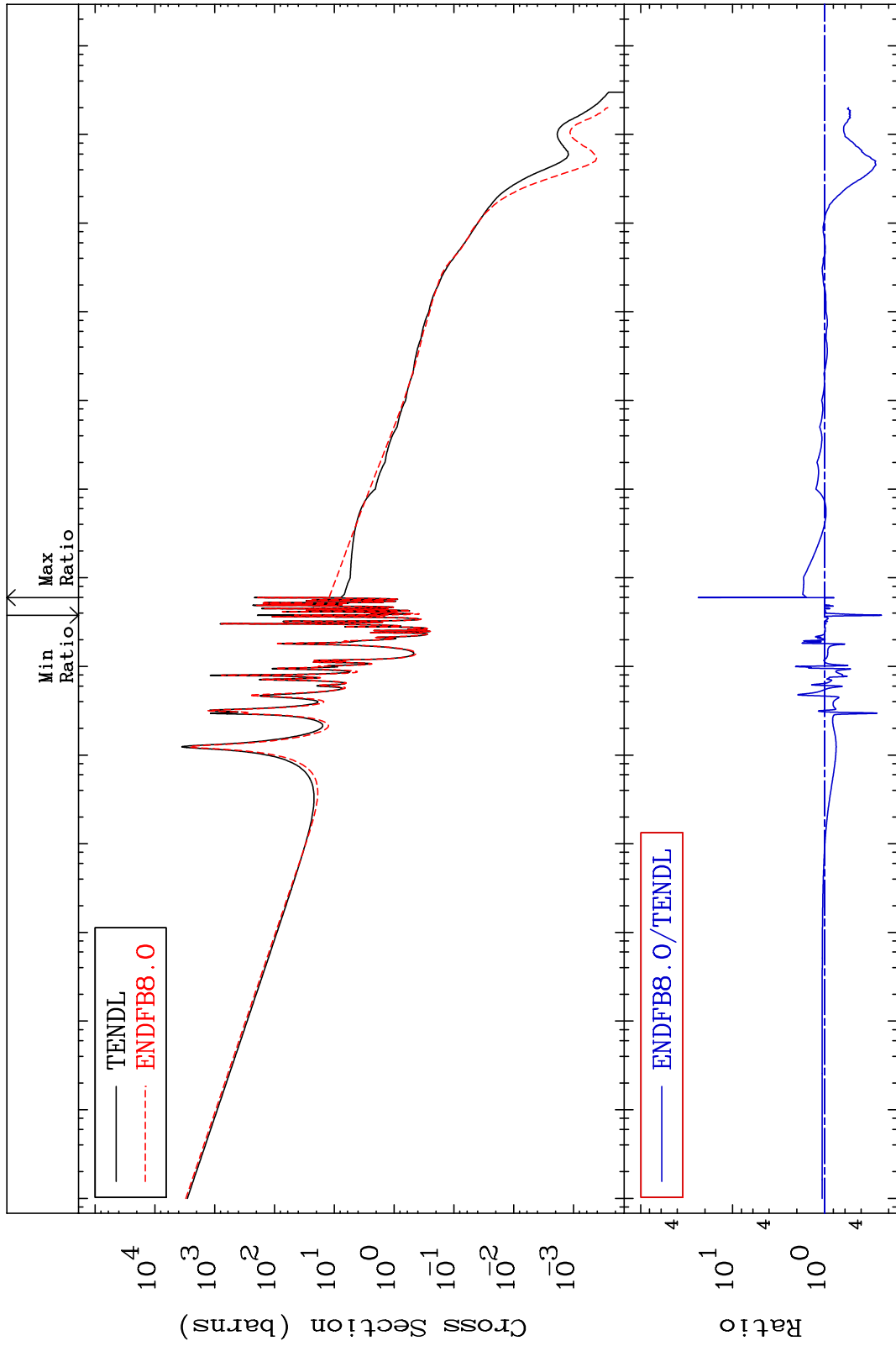
96-Cm-247
-10.88 To 1724. %



MAT 9646

(n, γ)
Cross Section

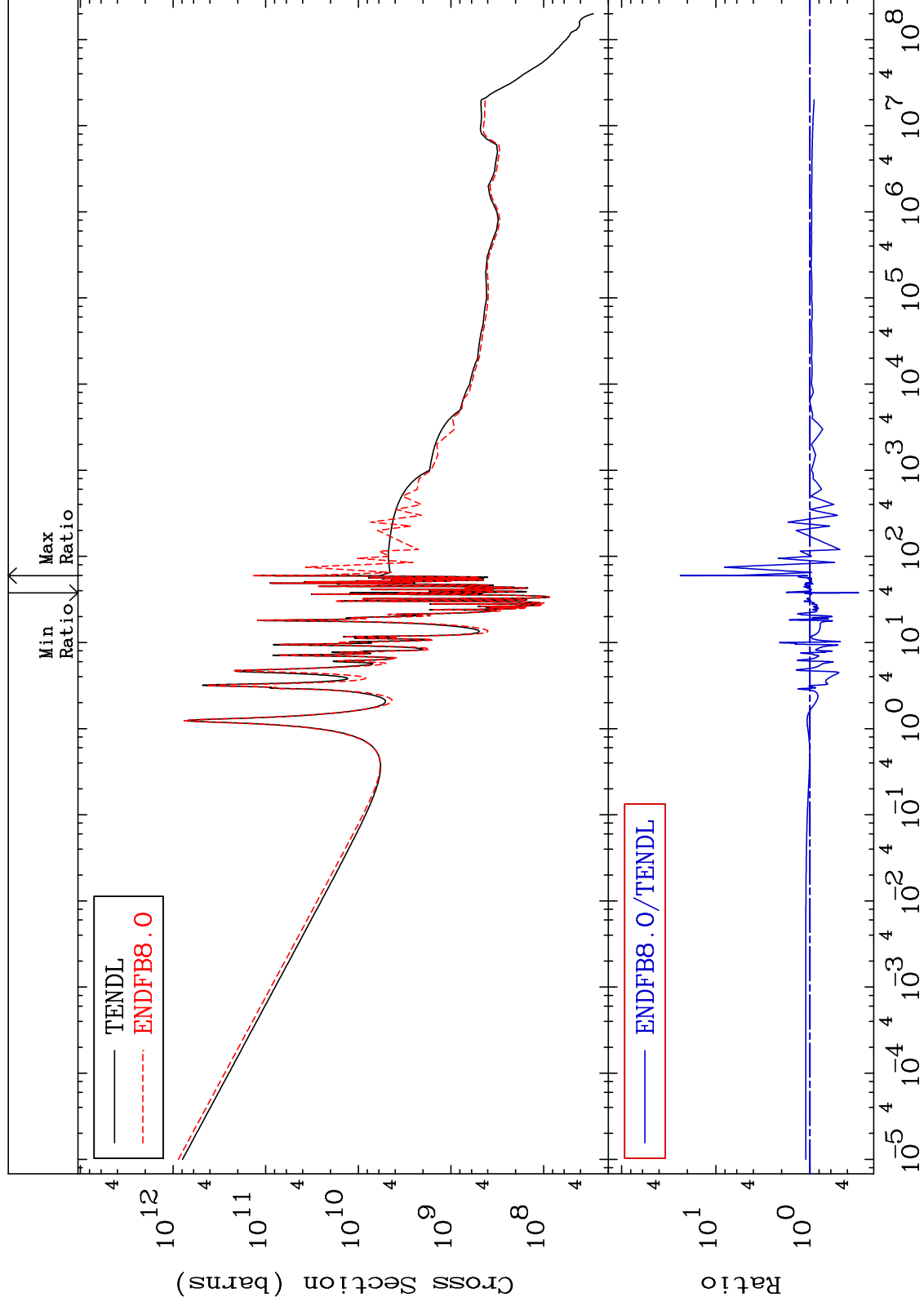
96-Cm-247
-76.04 To 2256. %



MAT 9646

Kerma total (eV-barns)
Cross Section

96-Cm-247
-69.50 To 2272. %



39

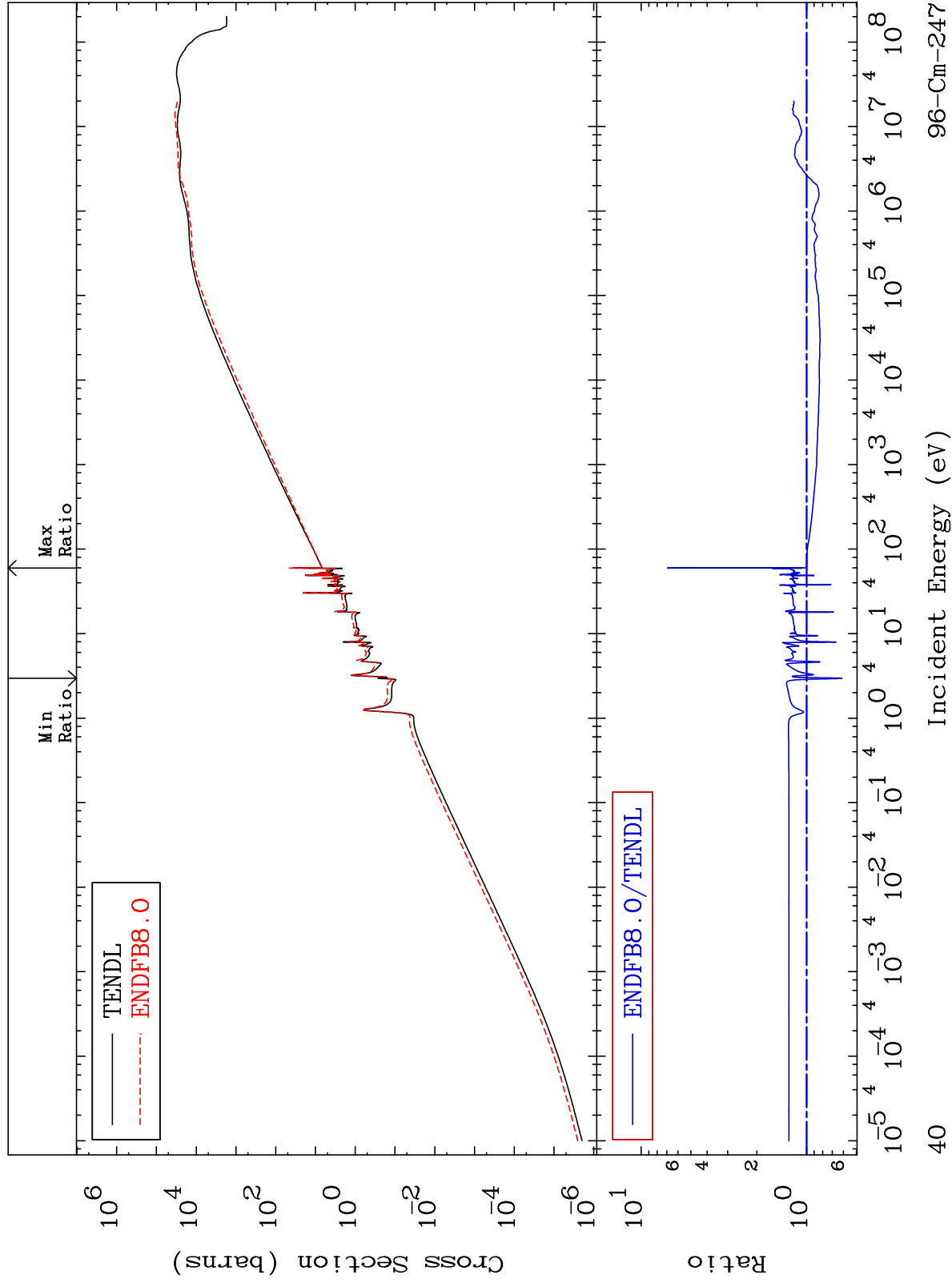
Incident Energy (eV)

96-Cm-247

MAT 9646

Kerma elastic
Cross Section

96-Cm-247
-39.01 To 593.7 %



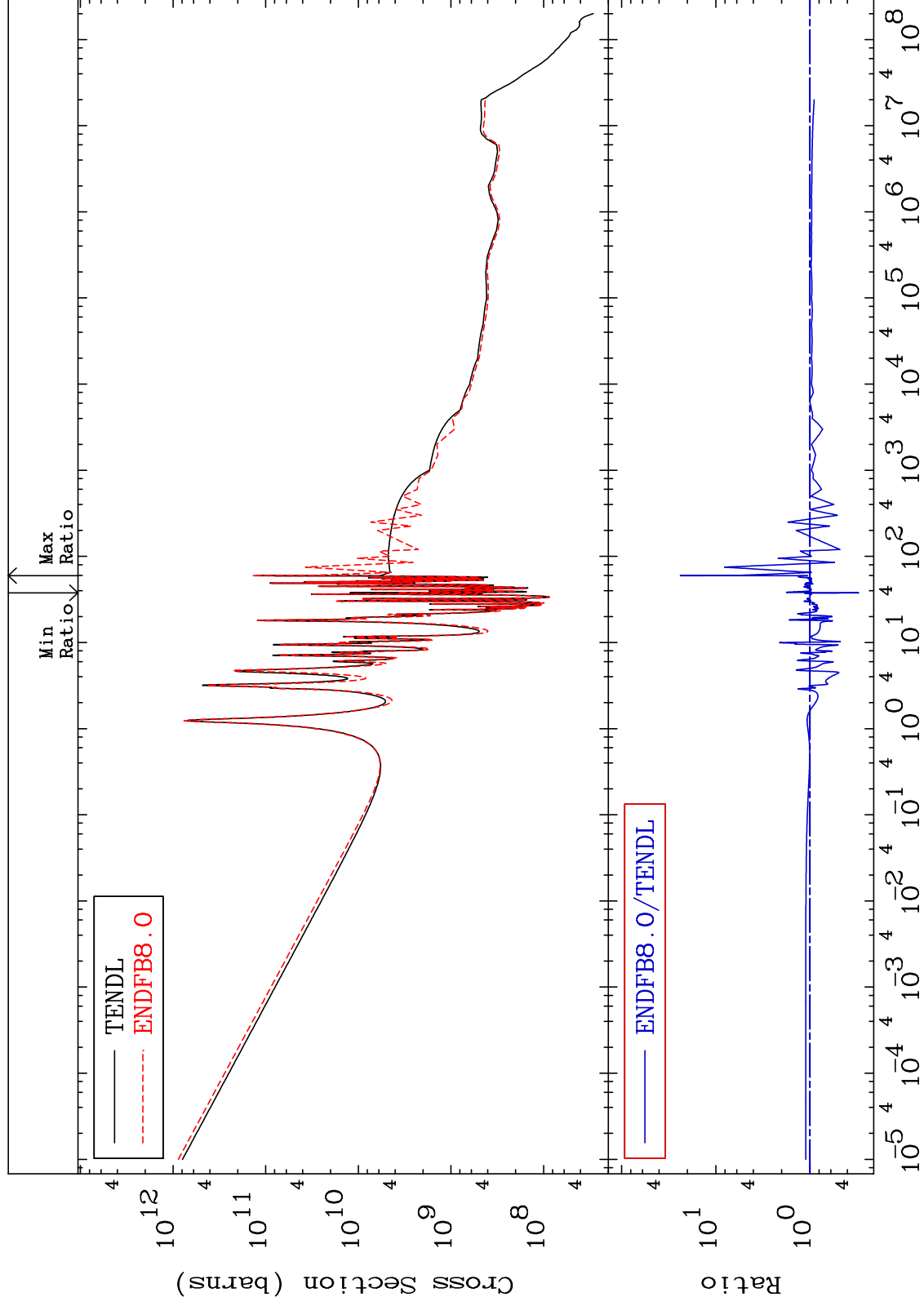
96-Cm-247

40

MAT 9646

Kerma non-elastic (all but mt2)
Cross Section

96-Cm-247
-69.50 To 2272. %



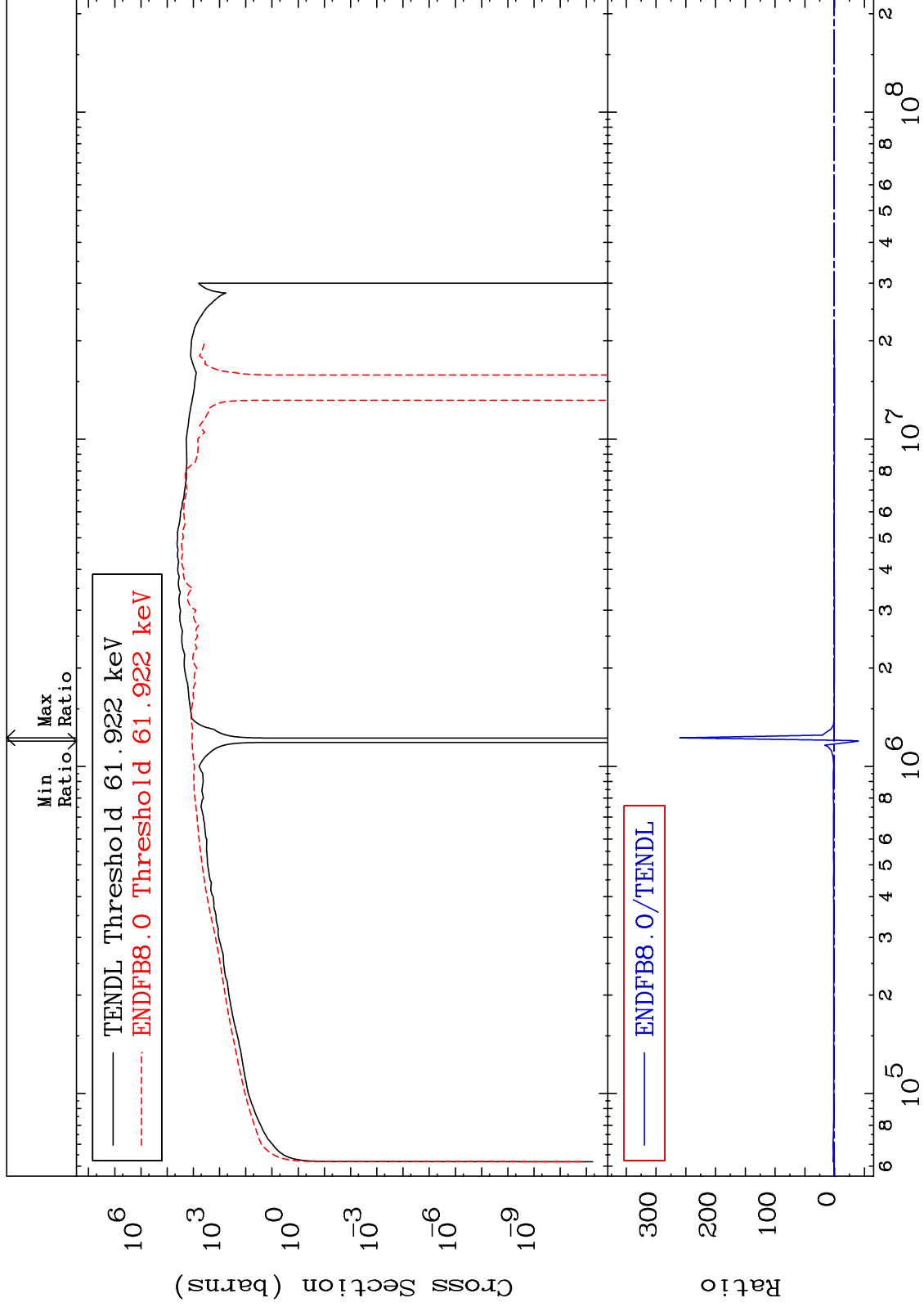
41

96-Cm-247

MAT 9646

Kerma inelastic (mt51-91)
Cross Section

96-Cm-247
-4100. To 9999. %



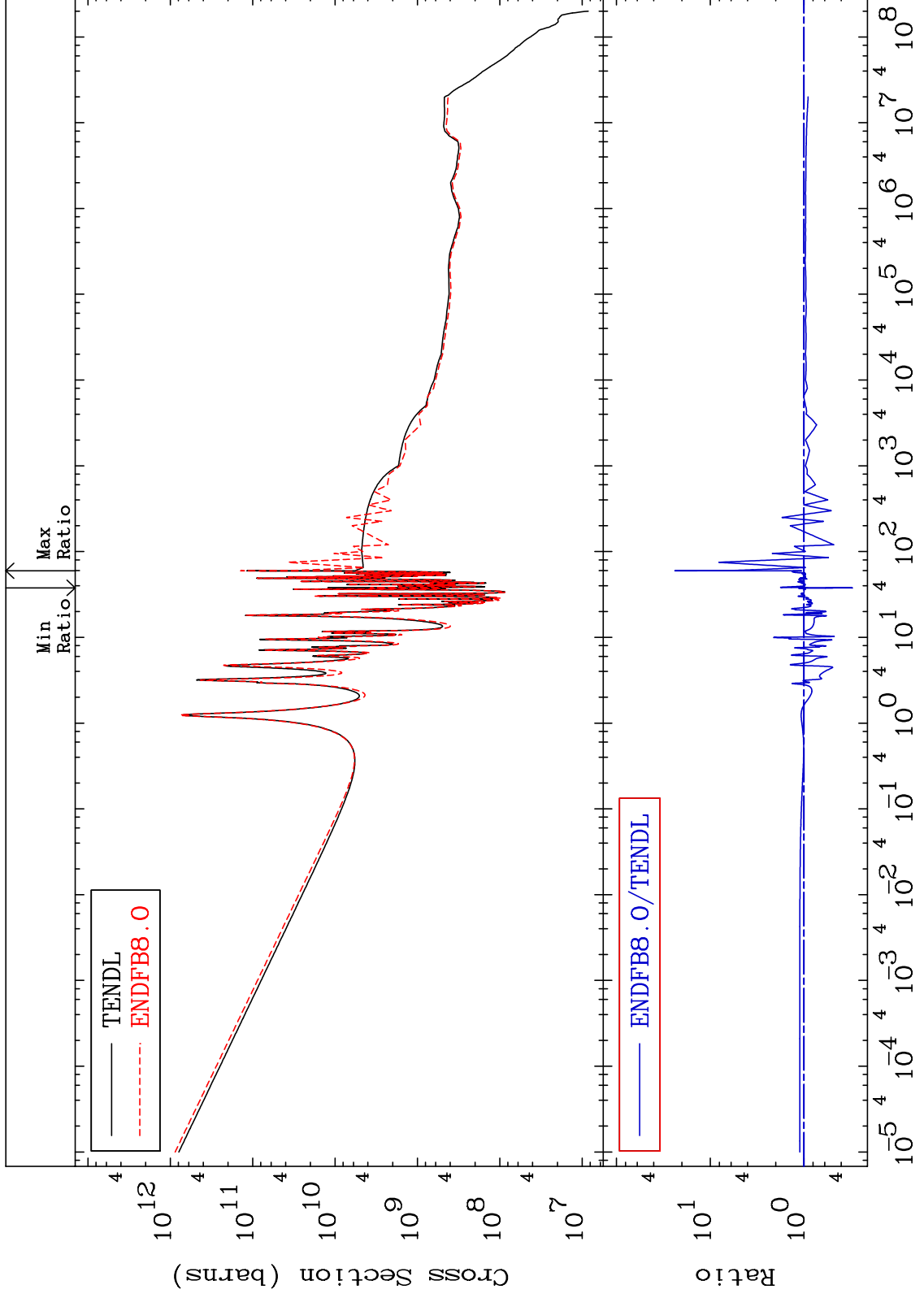
42

96-Cm-247

MAT 9646

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

96-Cm-247
-69.50 To 2272. %



43

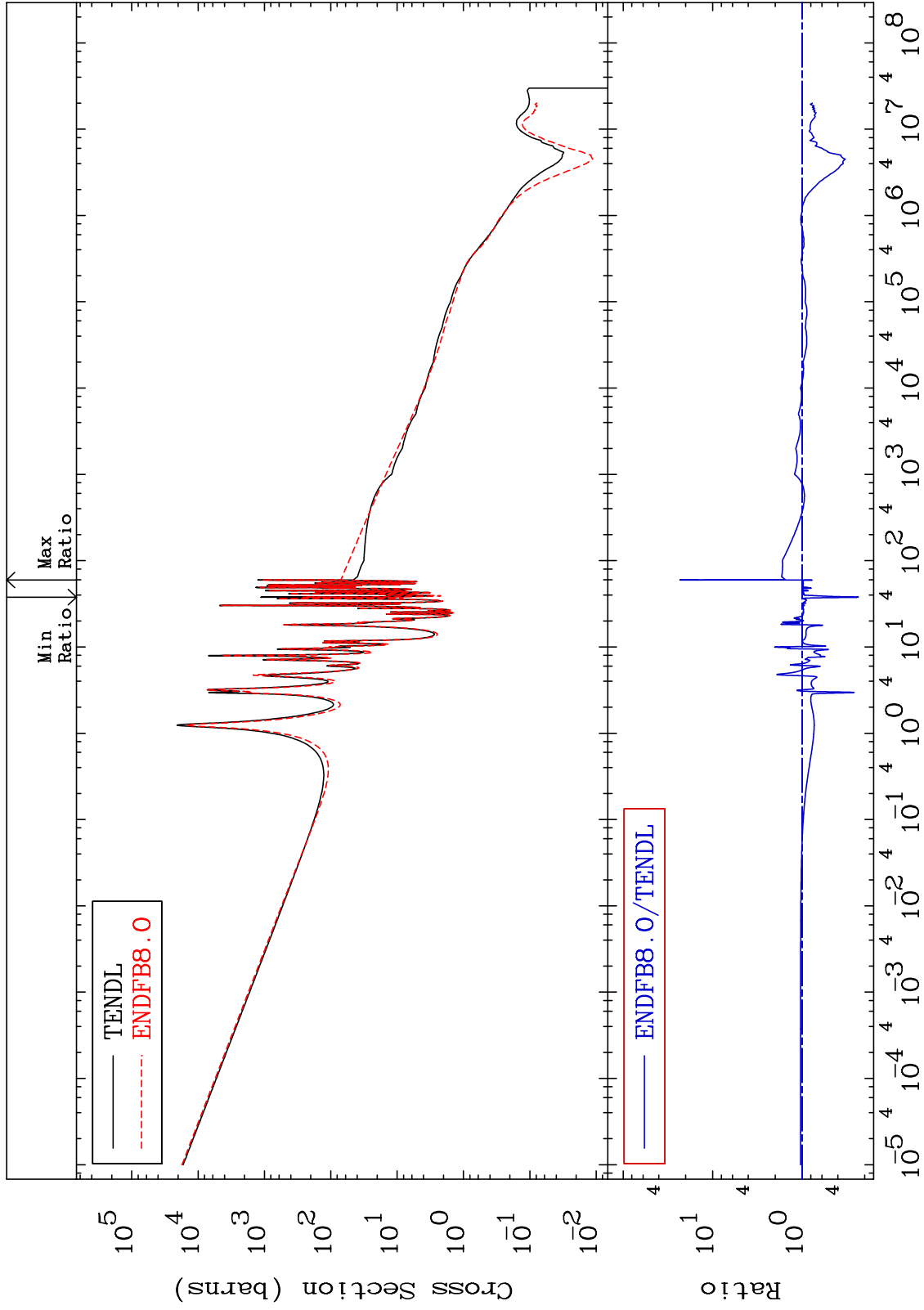
Incident Energy (eV)

96-Cm-247

MAT 9646

Kerma capture (mt102)
Cross Section

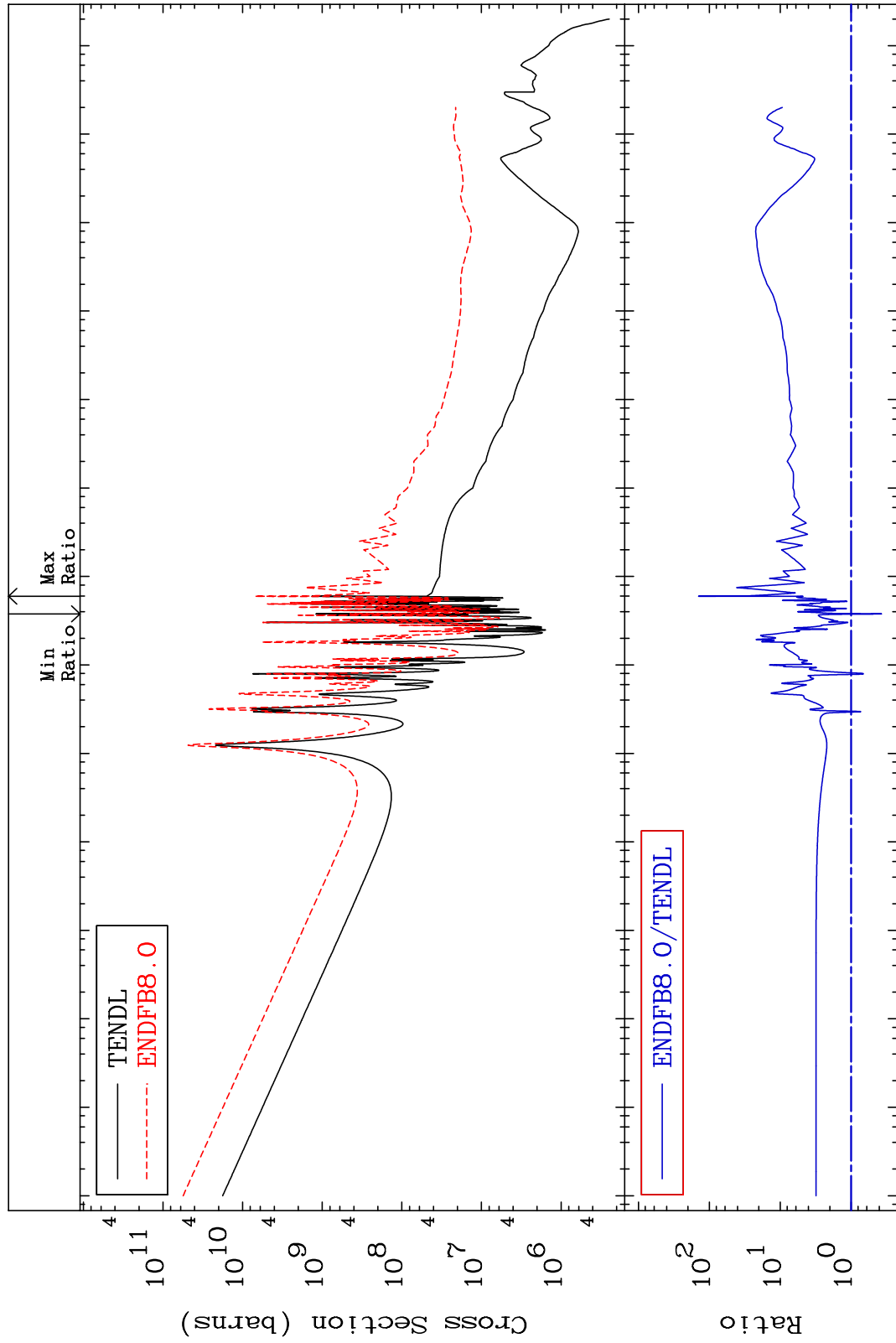
96-Cm-247
-76.45 To 2215. %



MAT 9646

Total photon (eV-barns)
Cross Section

96-Cm-247
-62.79 To 9999. %



45

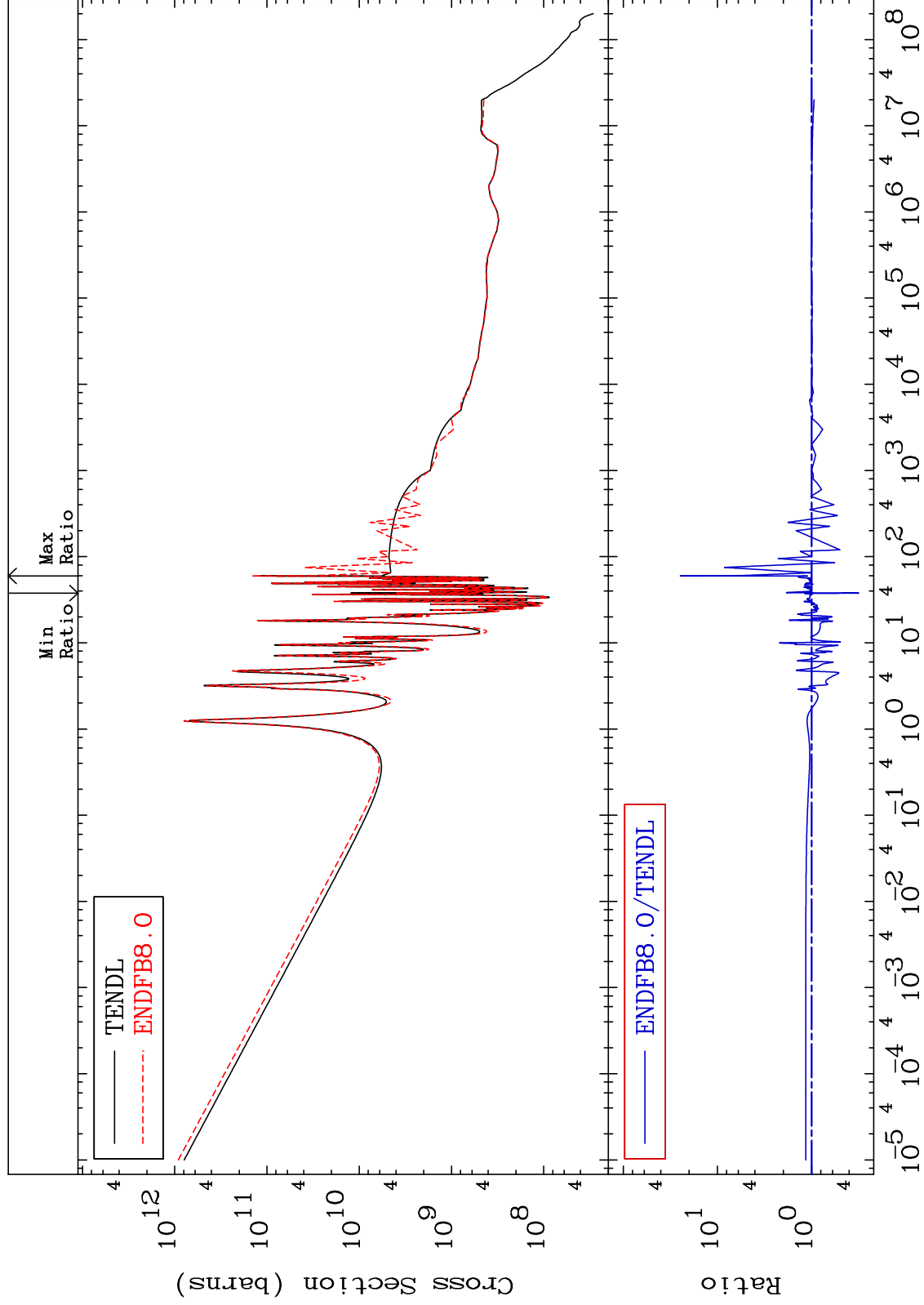
Incident Energy (eV)

96-Cm-247

MAT 9646

Total kinematic kerma (high limit)
Cross Section

96-Cm-247
-68.21 To 2372. %



46

Incident Energy (eV)

96-Cm-247

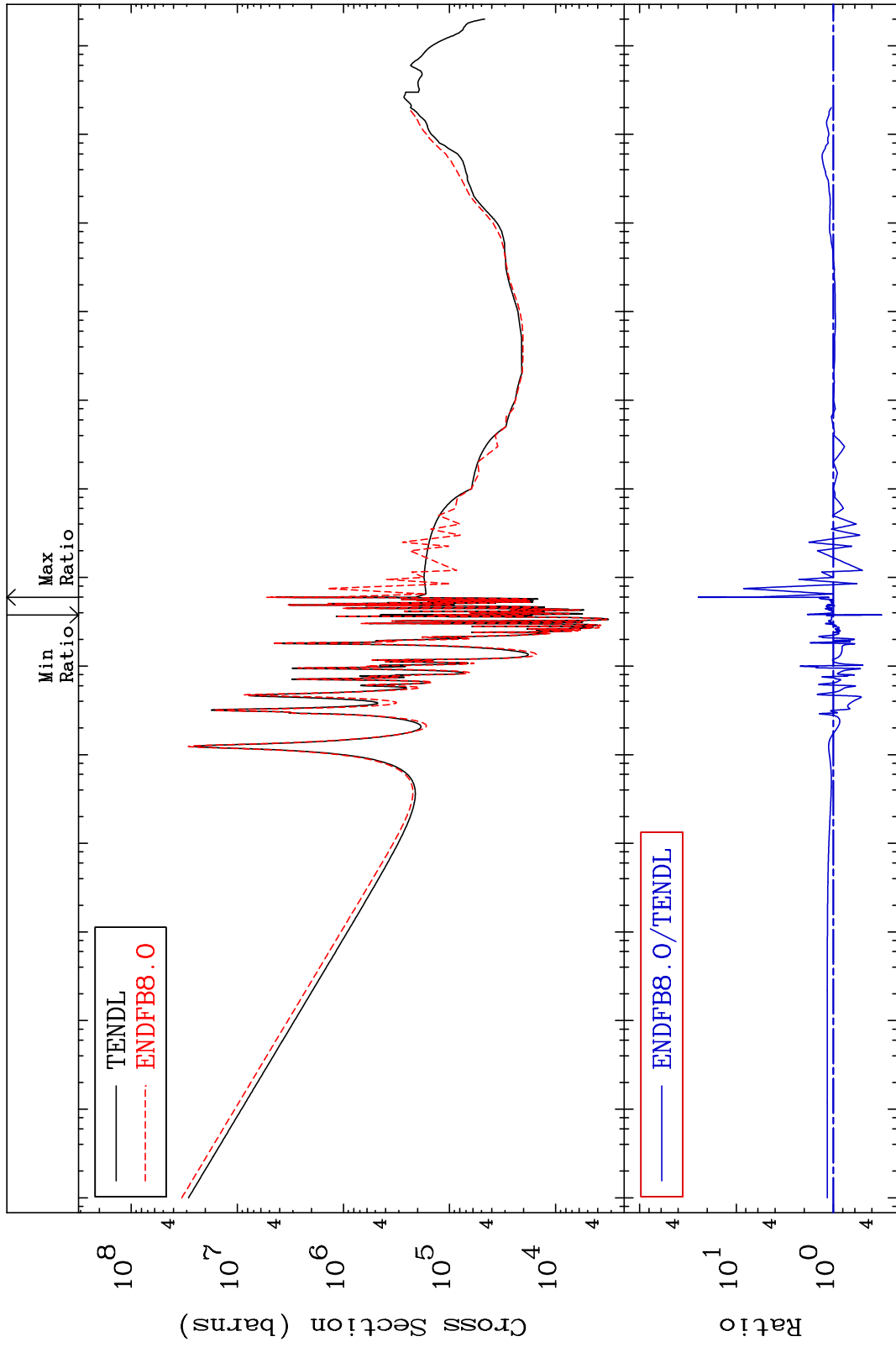
MAT 9646

Dpa total (eV-barns)

96-Cm-247

-68.21 To 2373. %

Cross Section



47

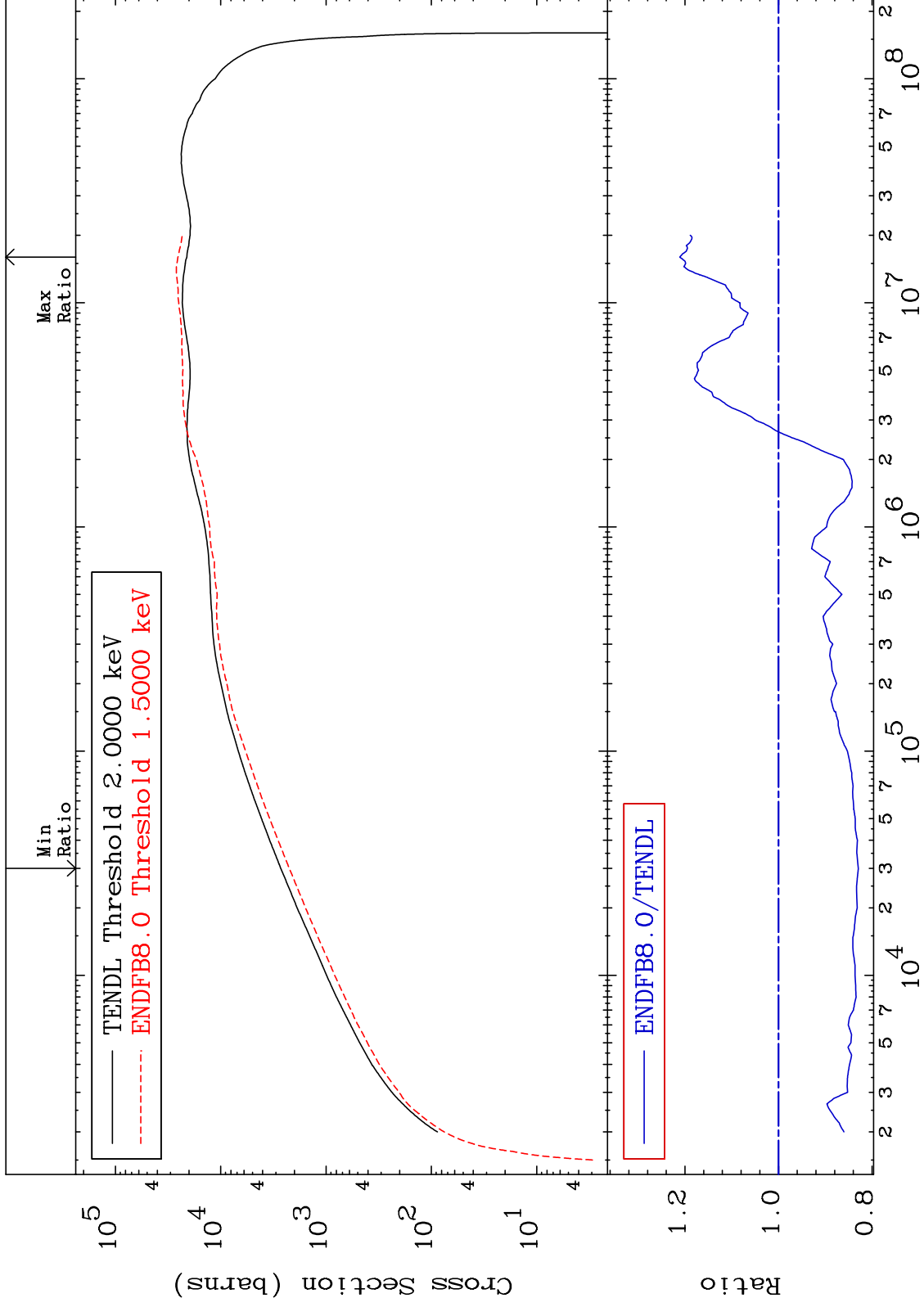
Incident Energy (eV)

96-Cm-247

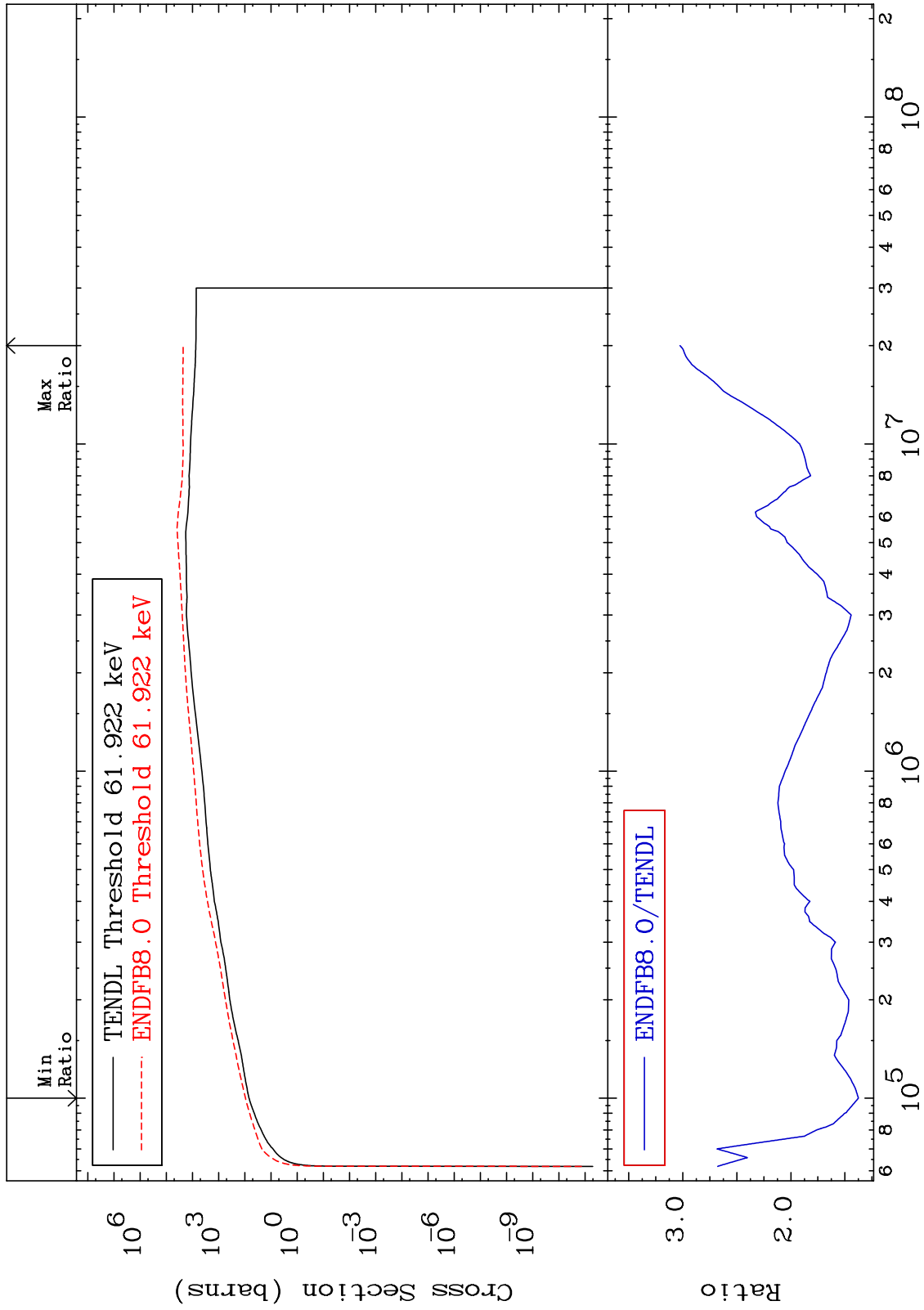
MAT 9646

Dpa elastic (mt2)
Cross Section

96-Cm-247
-17.07 To 21.11 %



MAT 9646 Dpa inelastic (mt51-91) 96-Cm-247
Cross Section 37.53 To 202.6 %



MAT 9646

Dpa disappearance (mt102 -120)
Cross Section

96-Cm-247
-100.0 To 2501. %

