

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

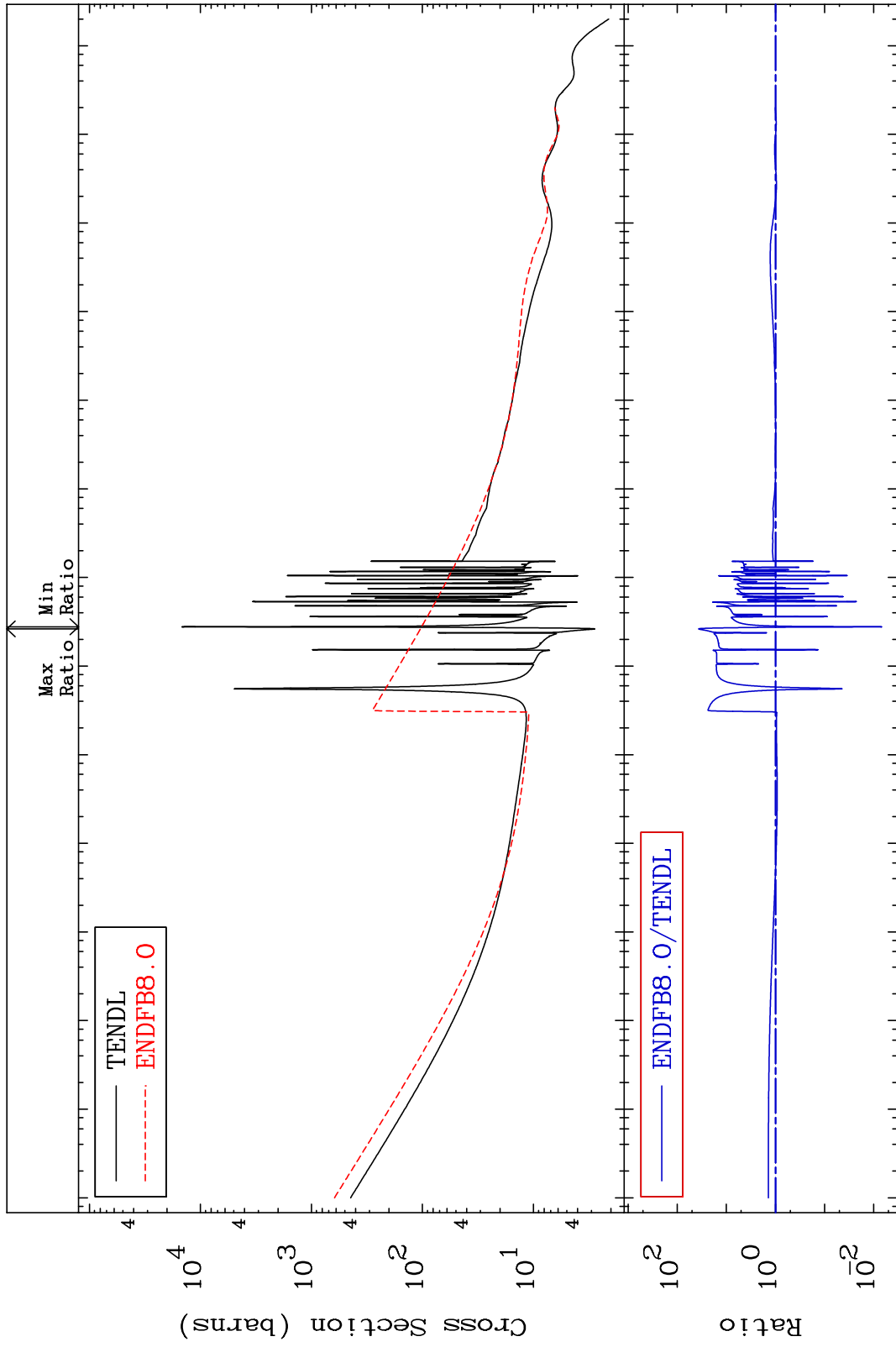
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9652

Total
Cross Section

96-Cm-249
-99.31 To 3617. %



96-Cm-249

Incident Energy (eV)

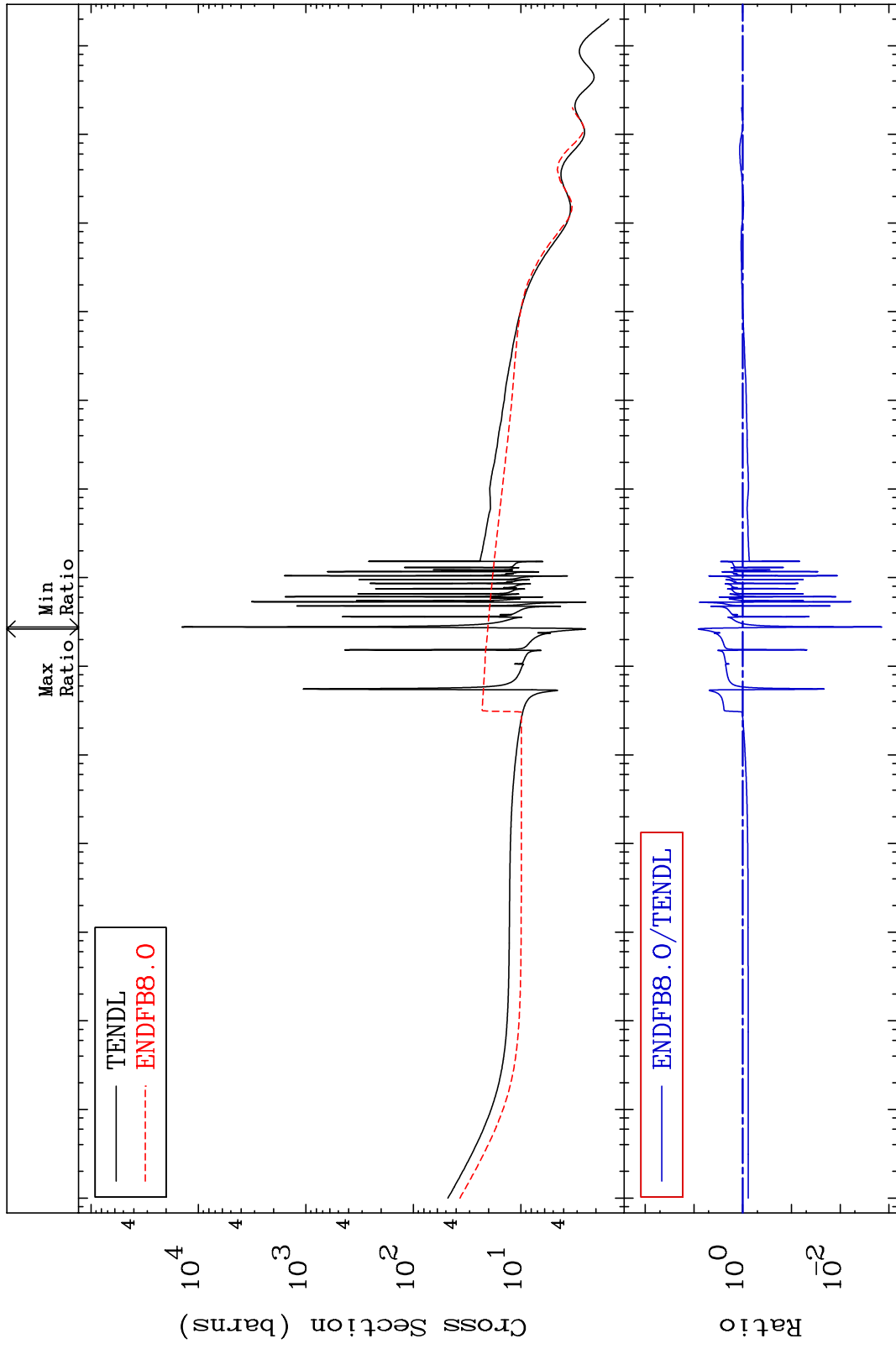
MAT 9652

Elastic

Cross Section

96-Cm-249

-99.86 To 714.4 %



2

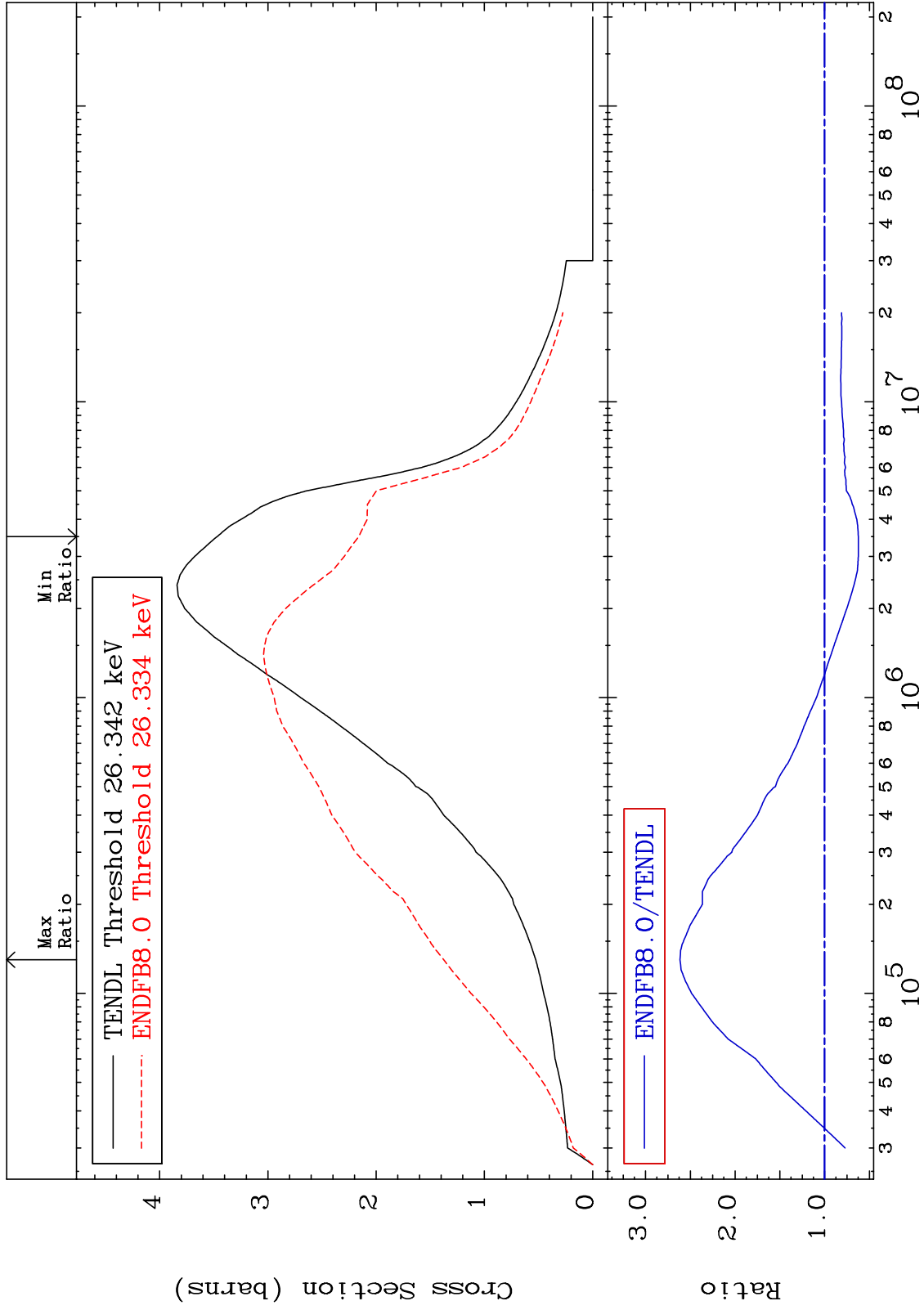
Incident Energy (eV)

96-Cm-249

MAT 9652

Inelastic
Cross Section

96-Cm-249
-37.74 To 161.5 %



3

Incident Energy (eV)

96-Cm-249

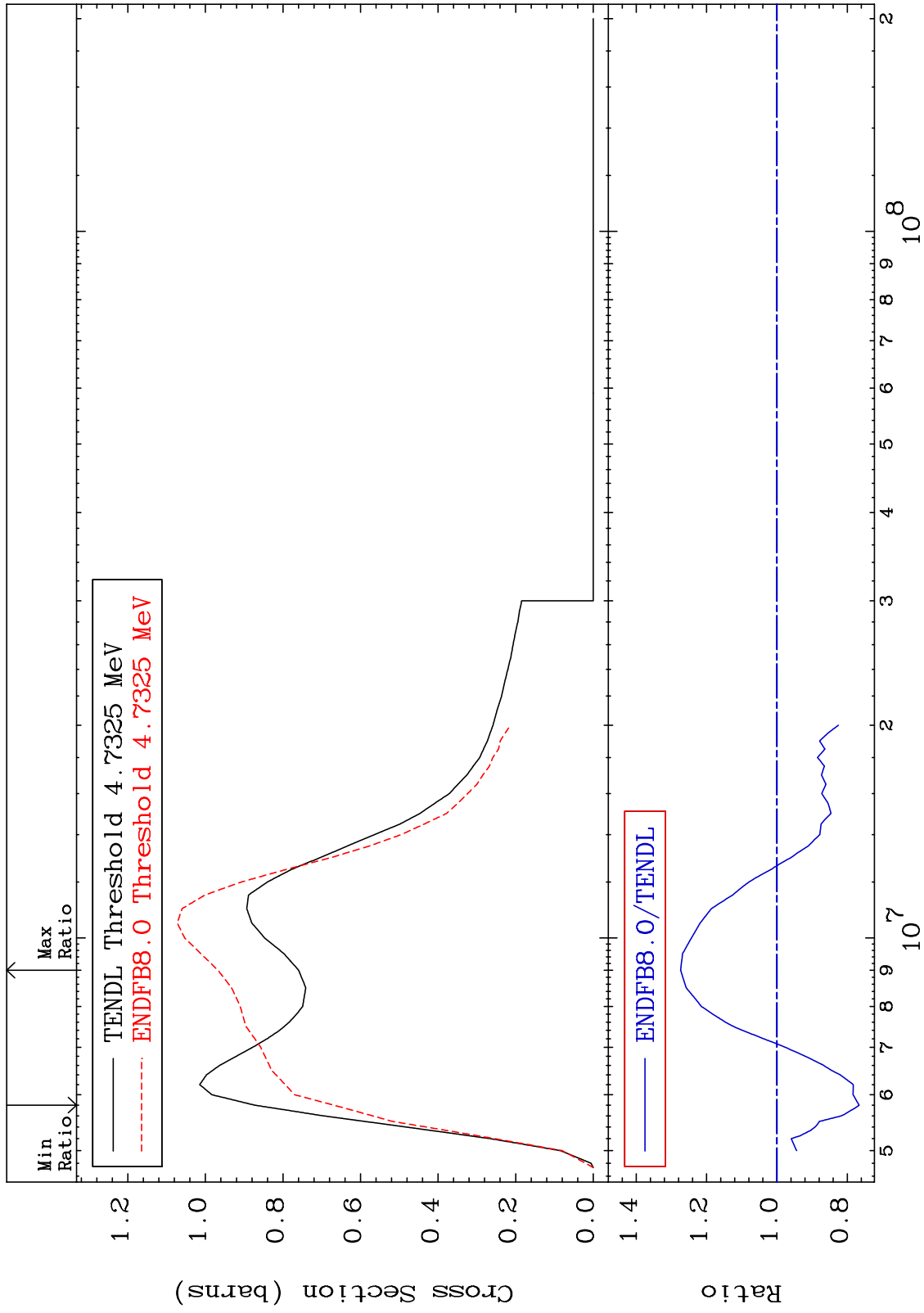
MAT 9652

(n, 2n)

96-Cm-249

Cross Section

-23.39 To 27.40 %



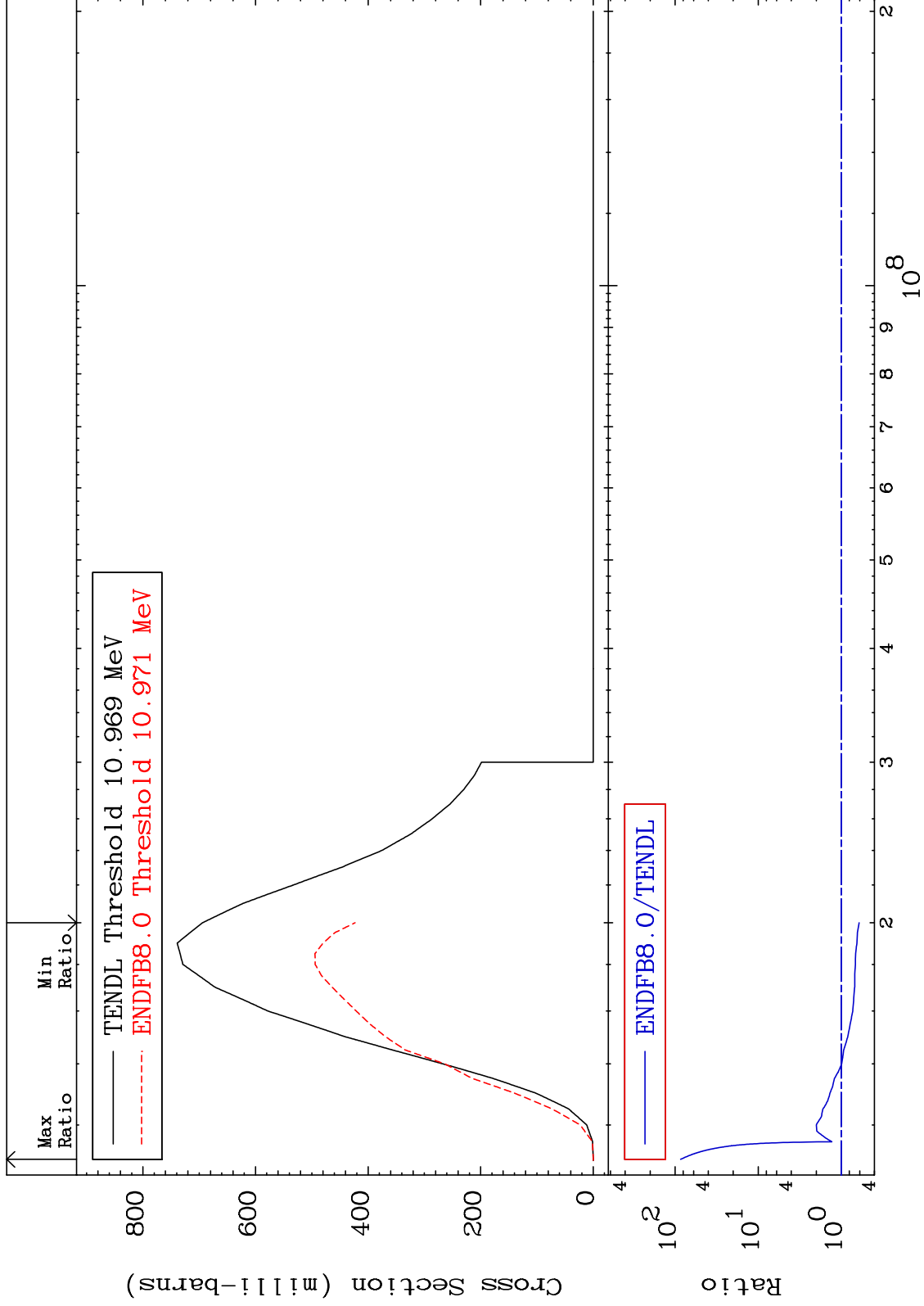
MAT 9652

(n,3n)

96-Cm-249

Cross Section

-39.07 To 8503. %



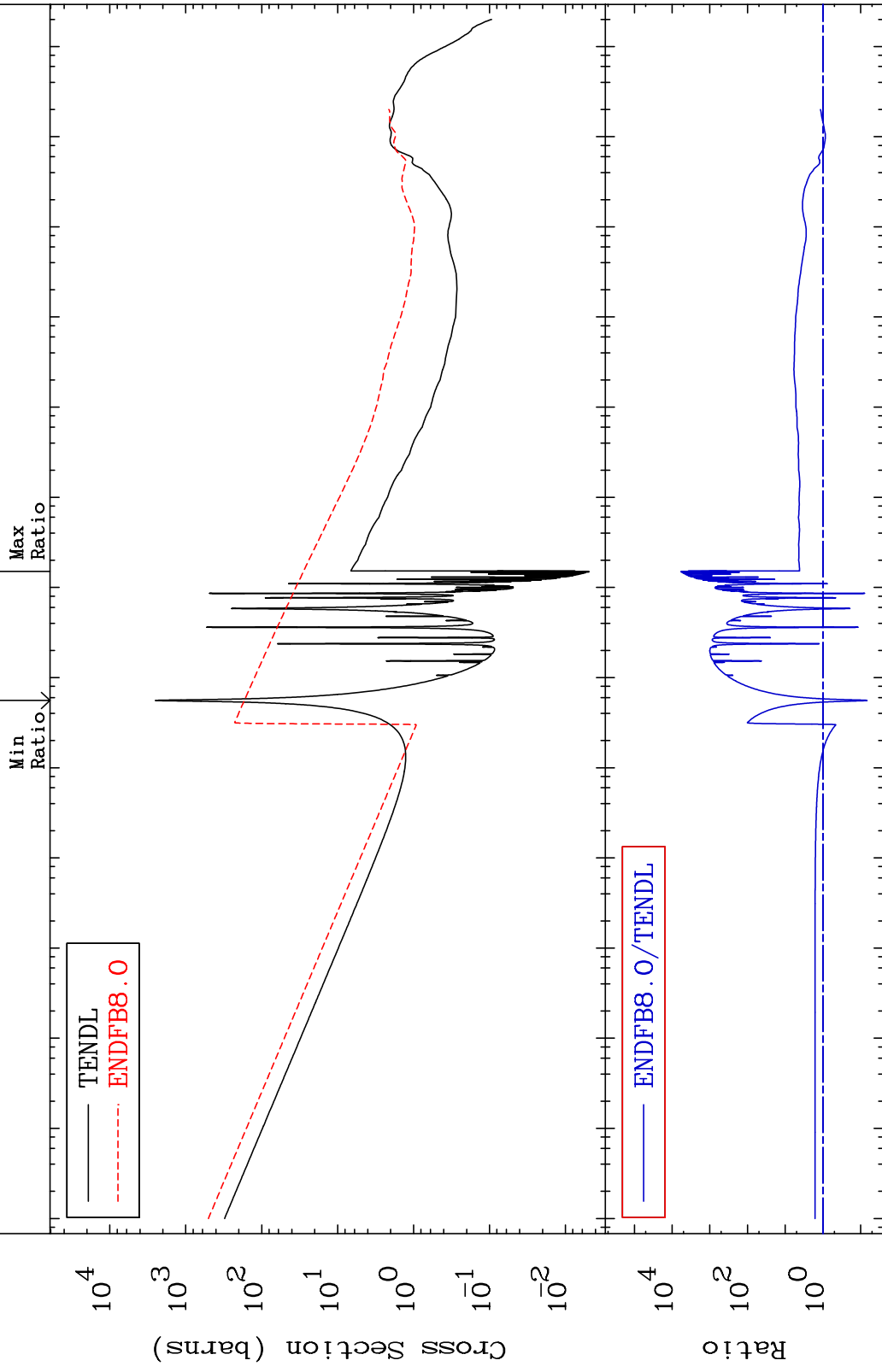
MAT 9652

96-Cm-249

-93.31 To 9999. %

Fission

Cross Section



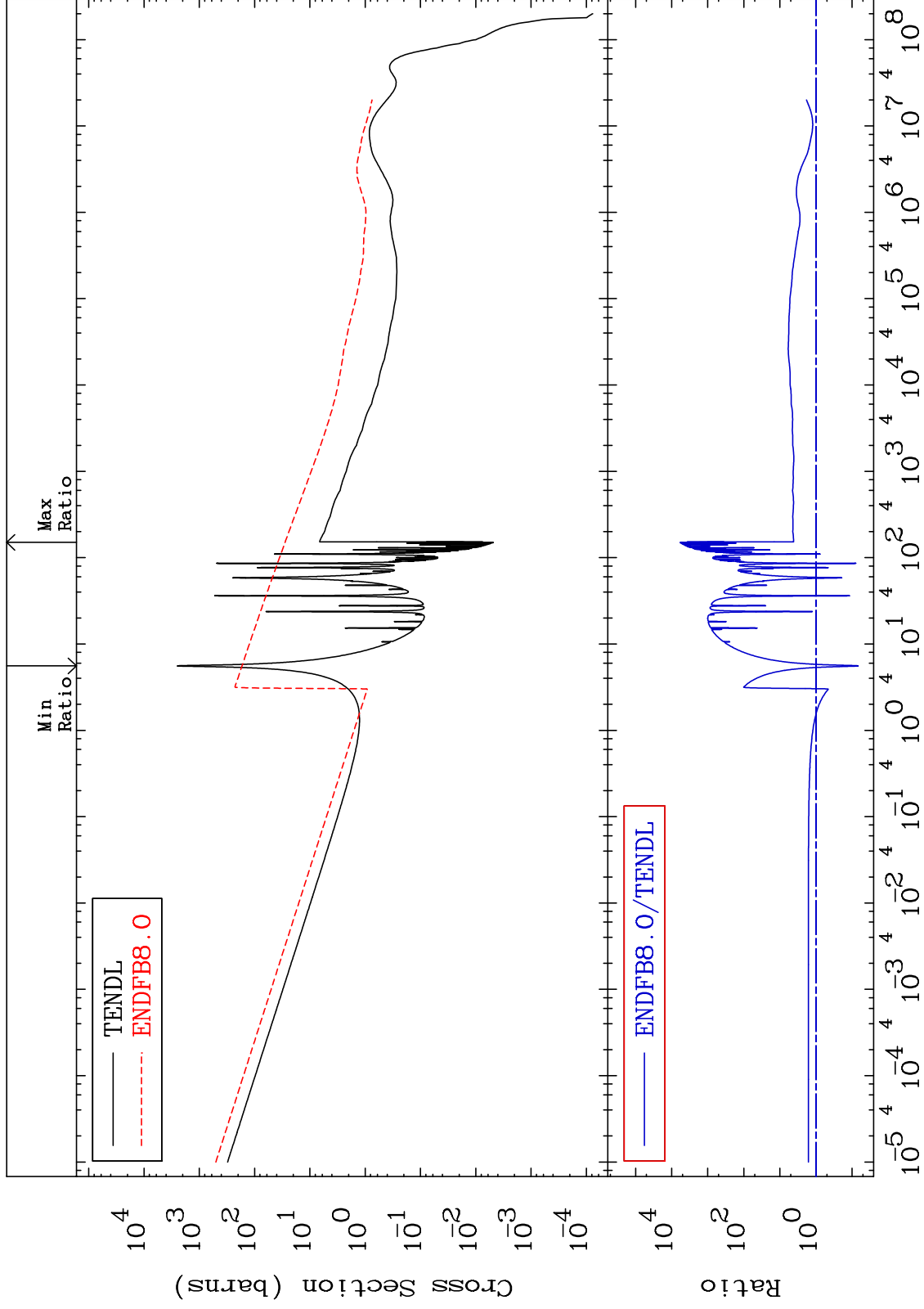
96-Cm-249

Incident Energy (eV)

MAT 9652

(n,f) First Chance
Cross Section

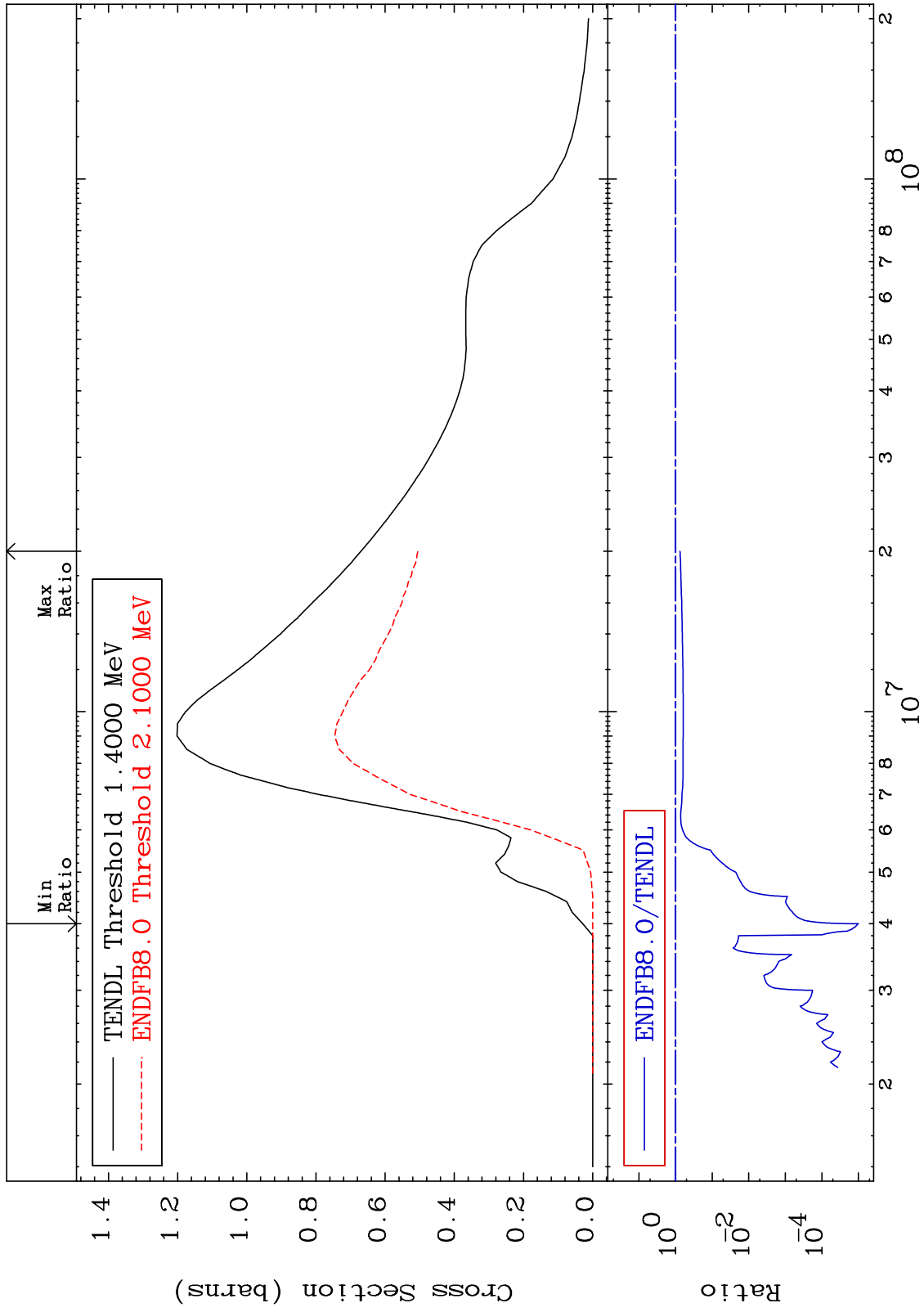
96-Cm-249
-93.31 To 9999. %



MAT 9652

(n, nf) Second Chance
Cross Section

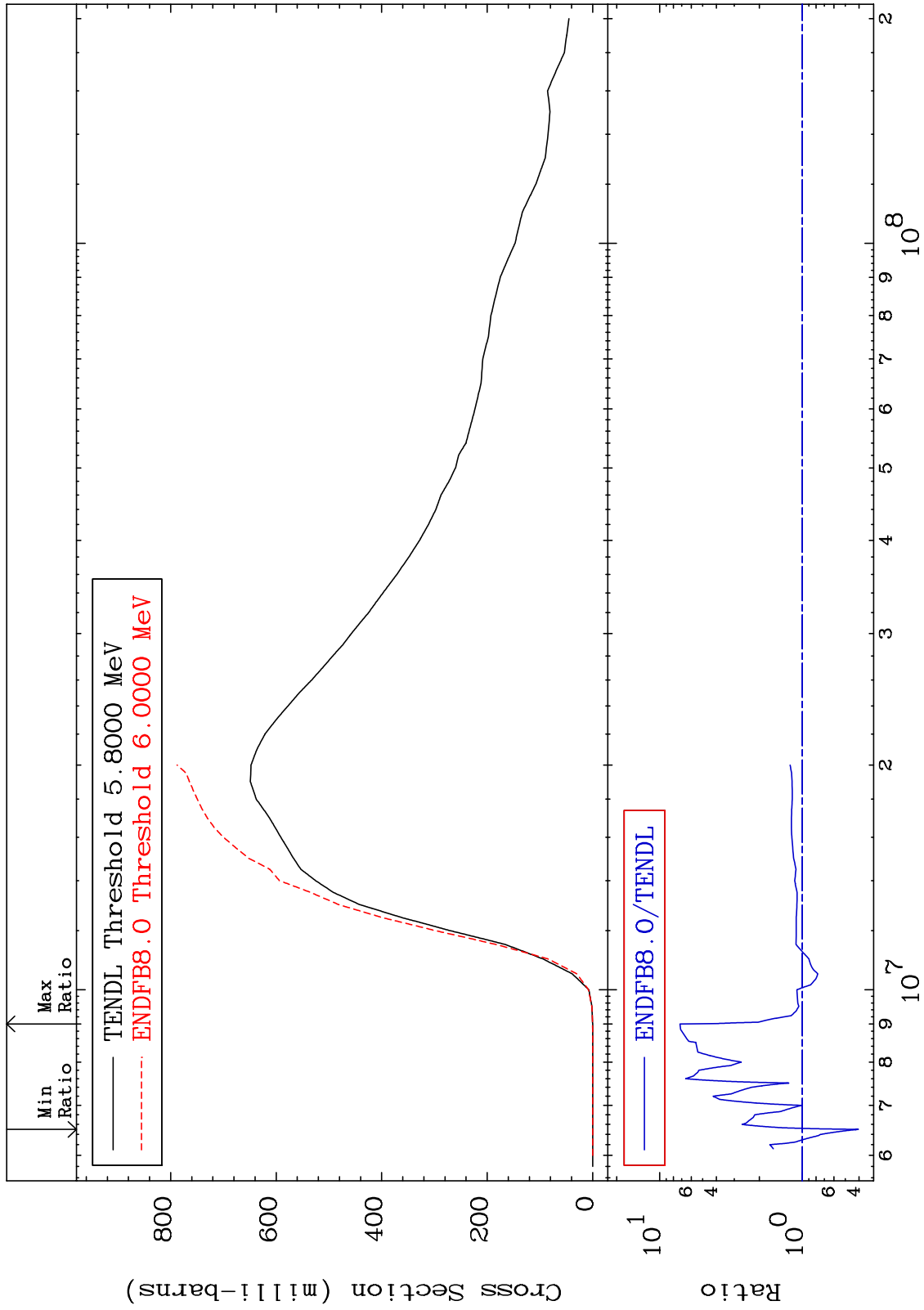
96-Cm-249
-100.0 To -24.54%



MAT 9652

(n,2nf) Third Chance
Cross Section

96-Cm-249
-59.61 To 620.2 %



9

Incident Energy (eV)

96-Cm-249

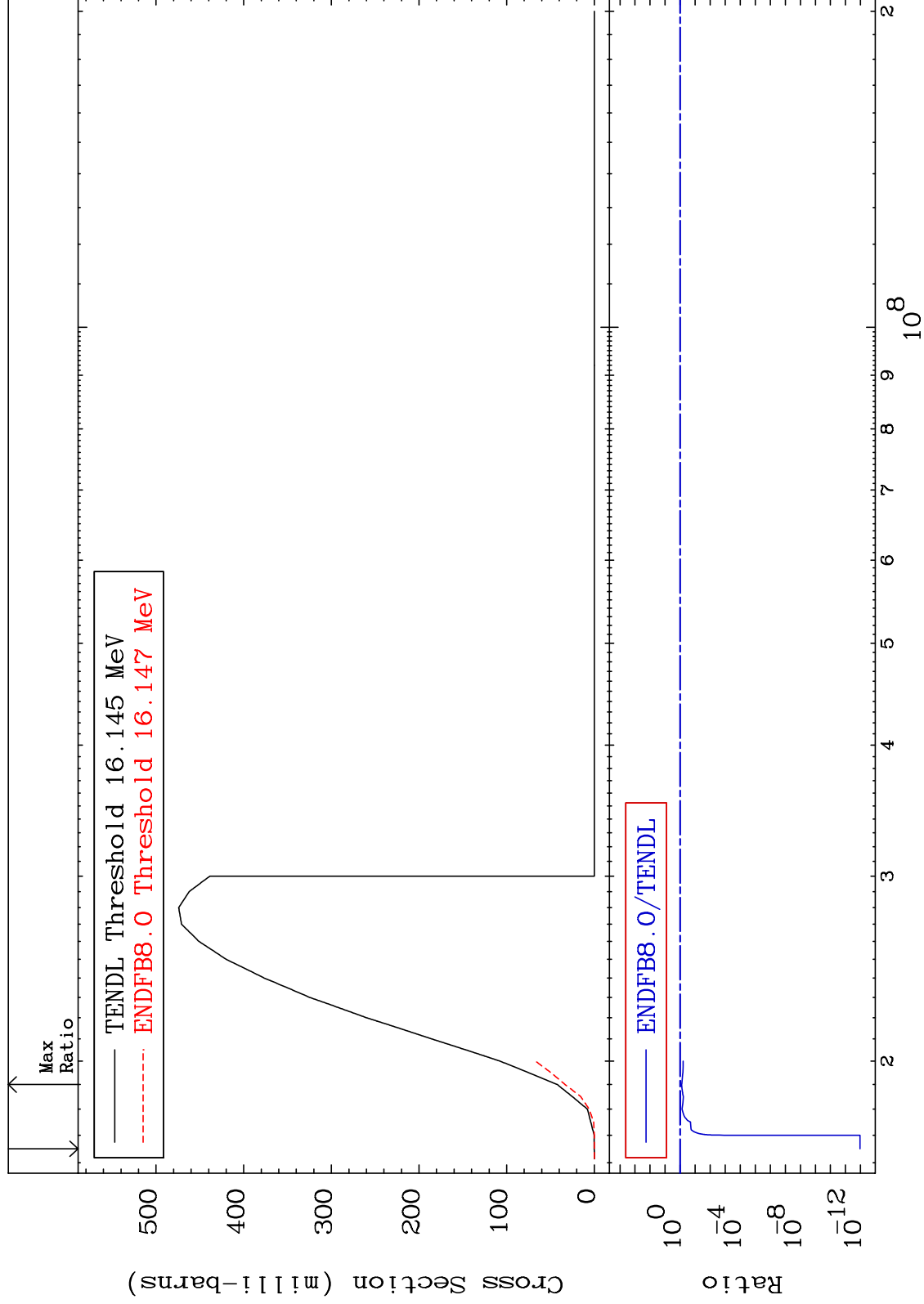
MAT 9652

(n, 4n)

96-Cm-249

Cross Section

-100.0 To -21.00%



10

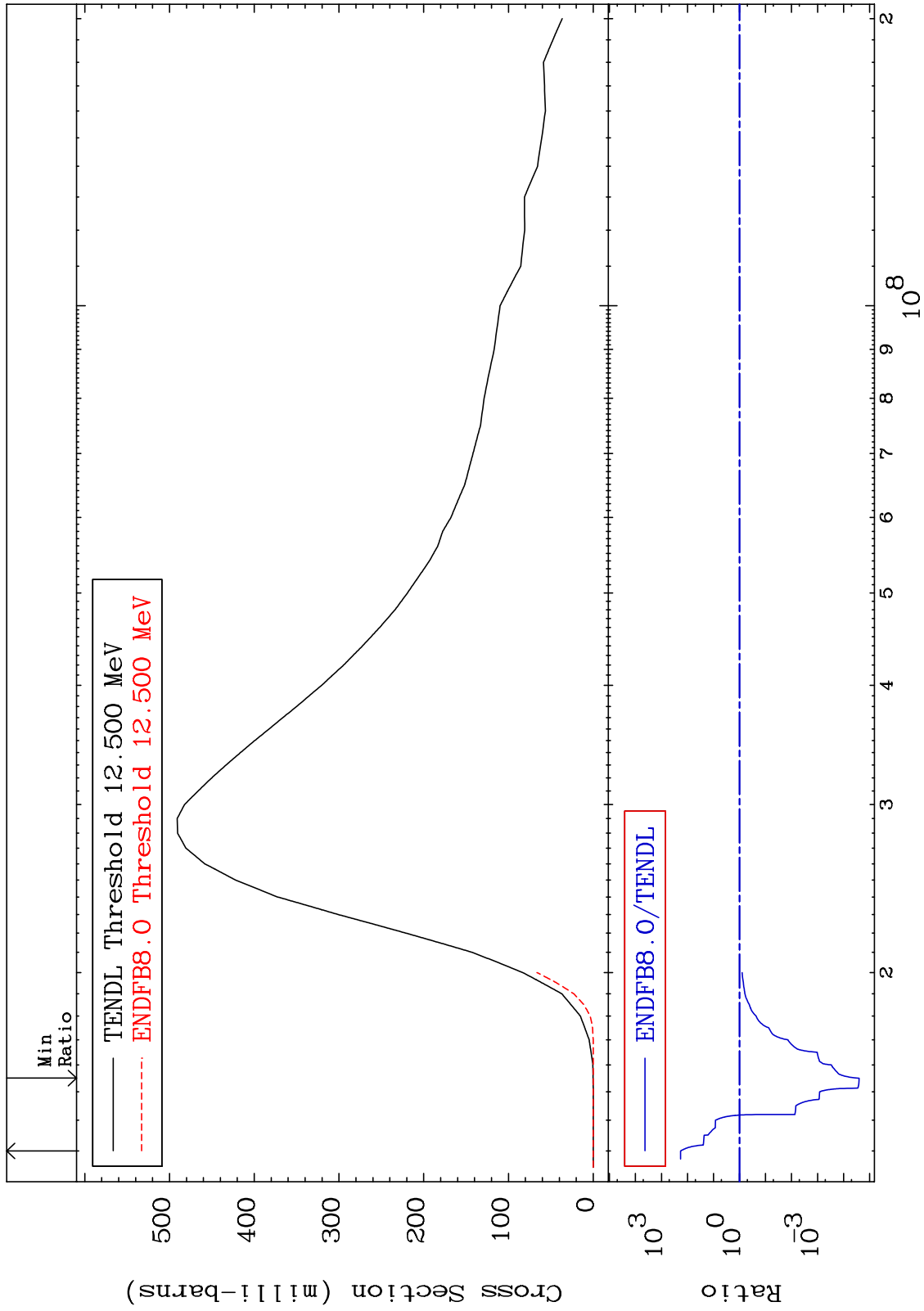
Incident Energy (eV)

96-Cm-249

MAT 9652

(n,3nf) Fourth Chance
Cross Section

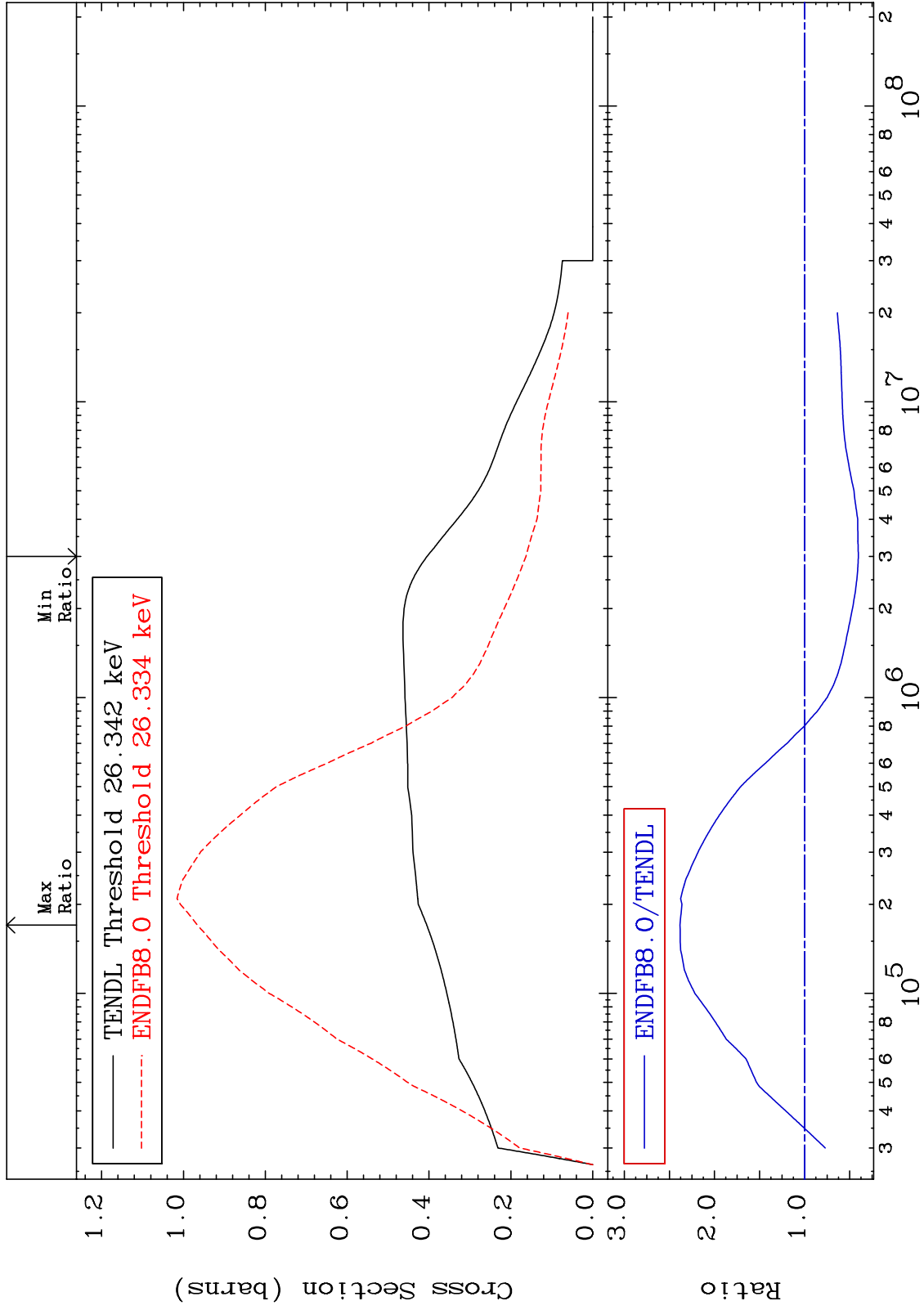
96-Cm-249
-100.0 To 9999. %



MAT 9652

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

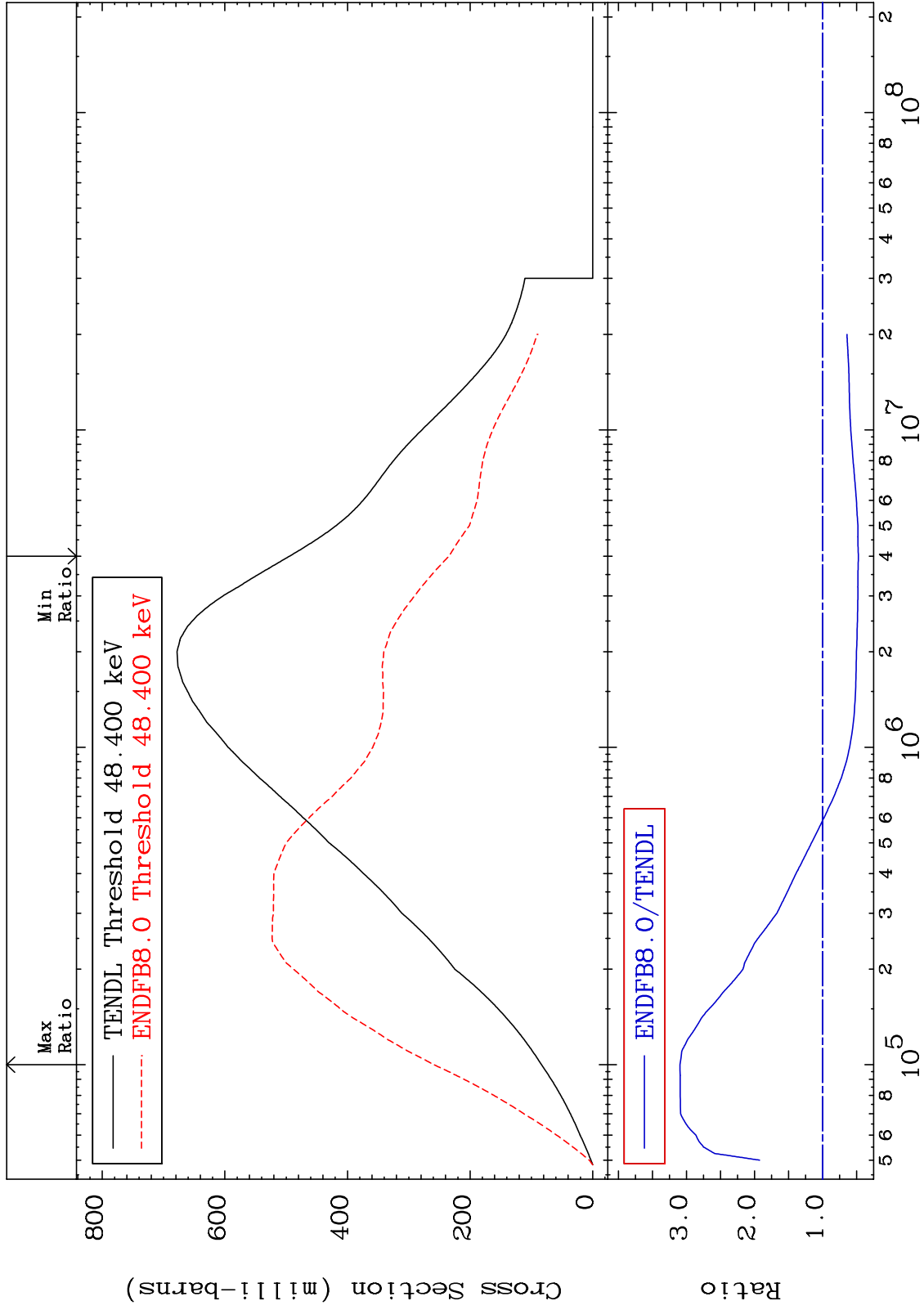
96-Cm-249
-59.69 To 138.2 %



MAT 9652

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

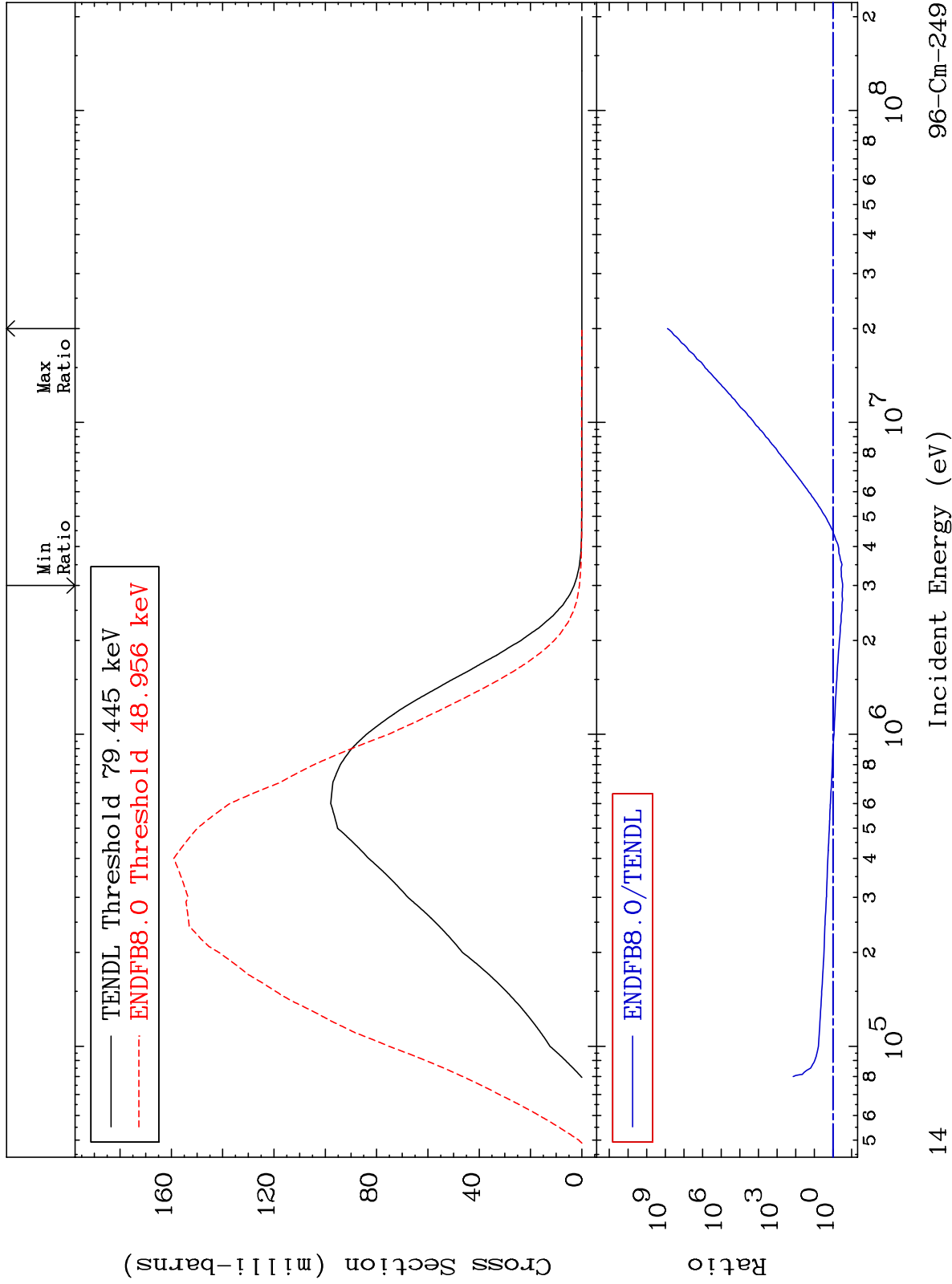
96-Cm-249
-52.59 To 209.6 %



MAT 9652

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

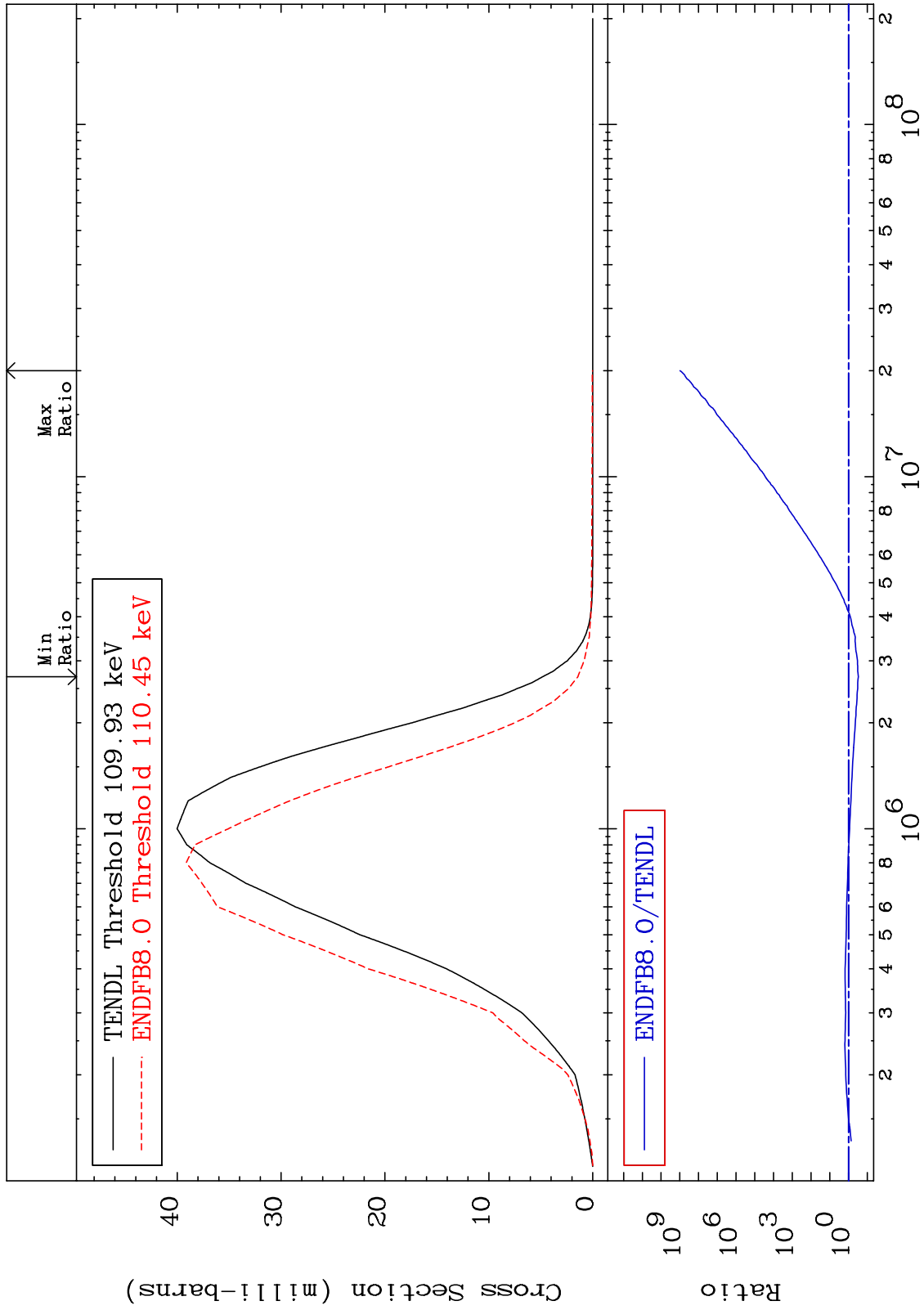
96-Cm-249
-69.44 To 9999. %



MAT 9652

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

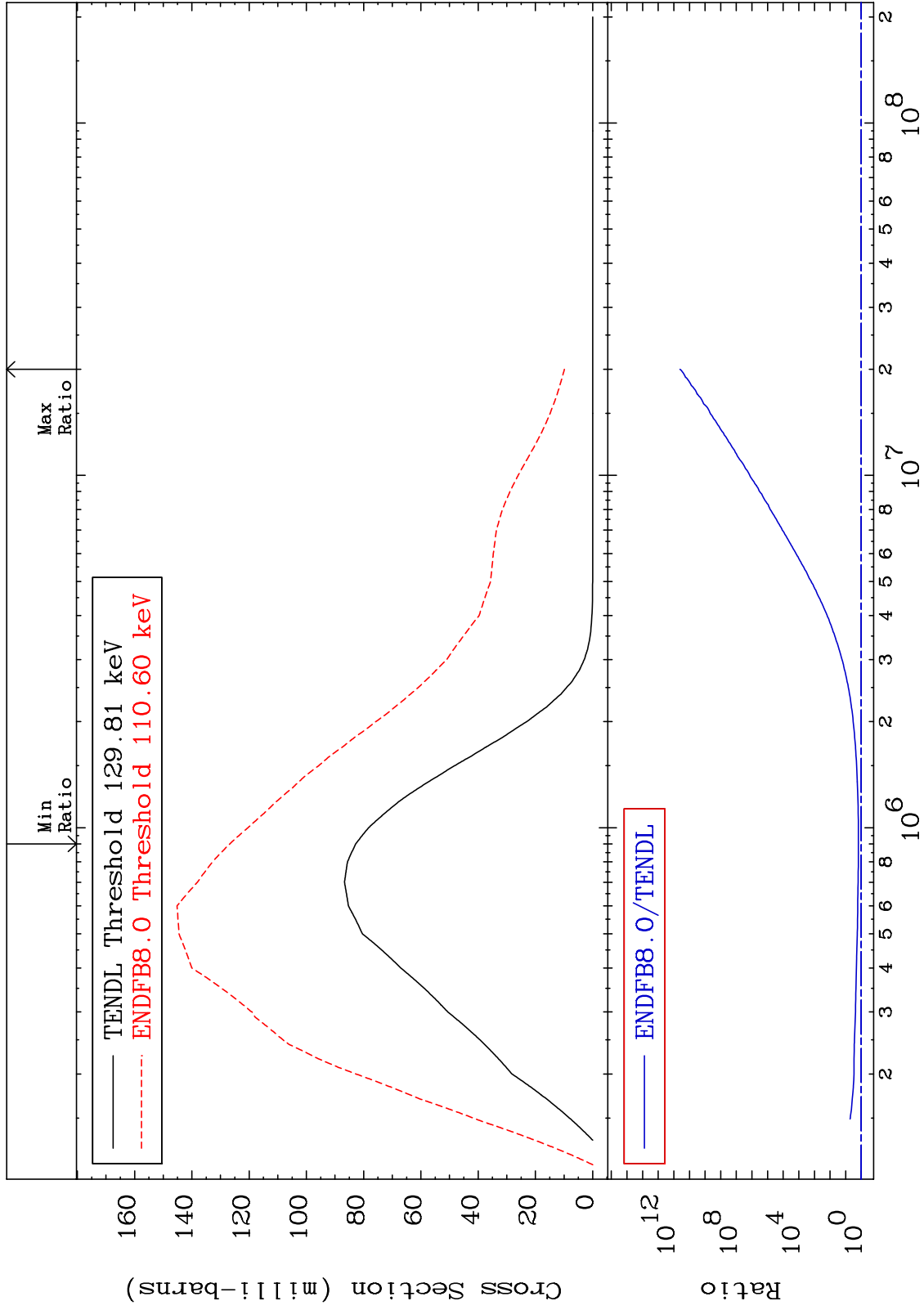
96-Cm-249
-70.40 To 9999. %



MAT 9652

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

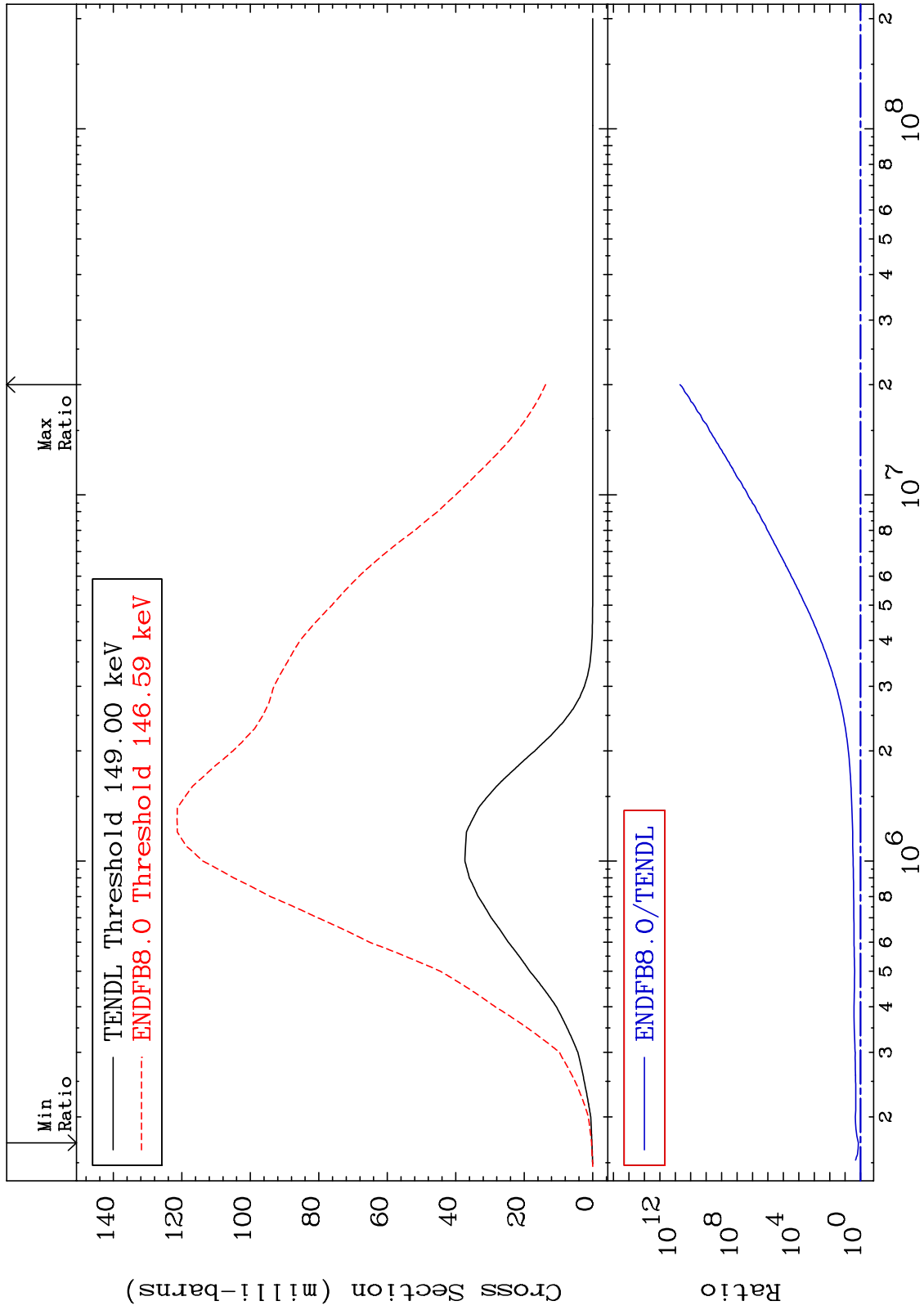
53.13 To 9999. %
96-Cm-249



MAT 9652

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

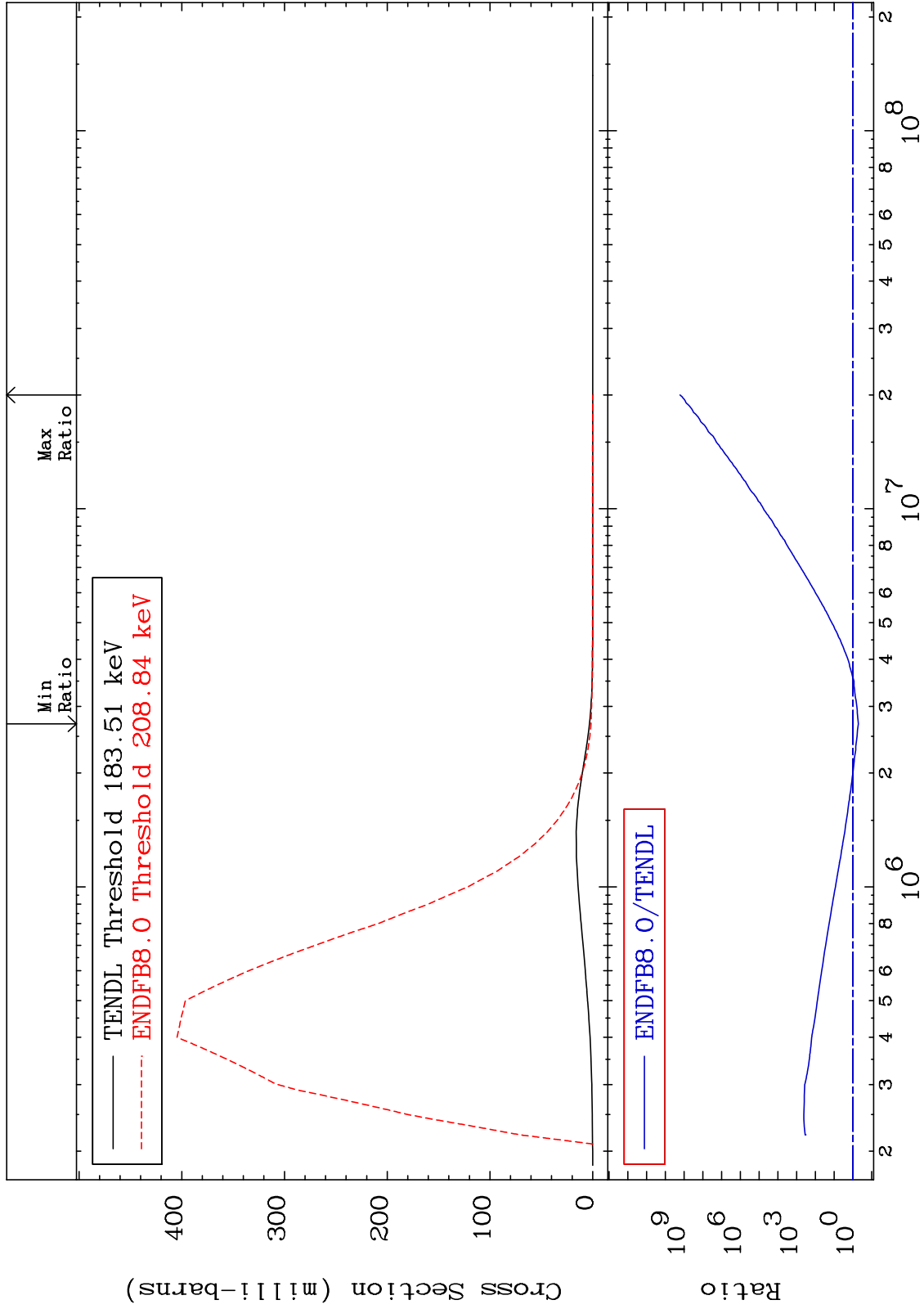
38.04 To 9999. %
96-Cm-249



MAT 9652

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

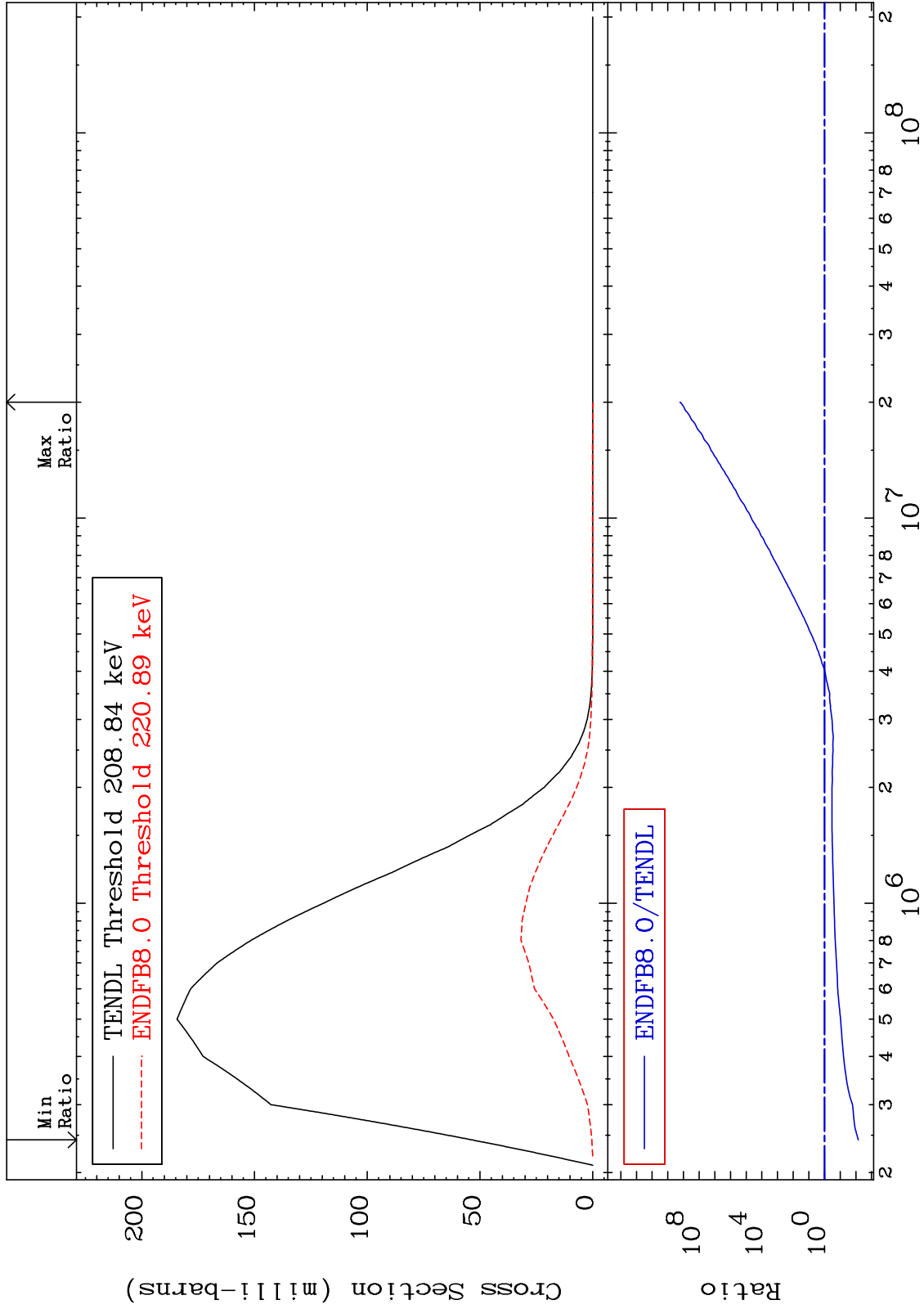
96-Cm-249
-48.75 To 9999. %



MAT 9652

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

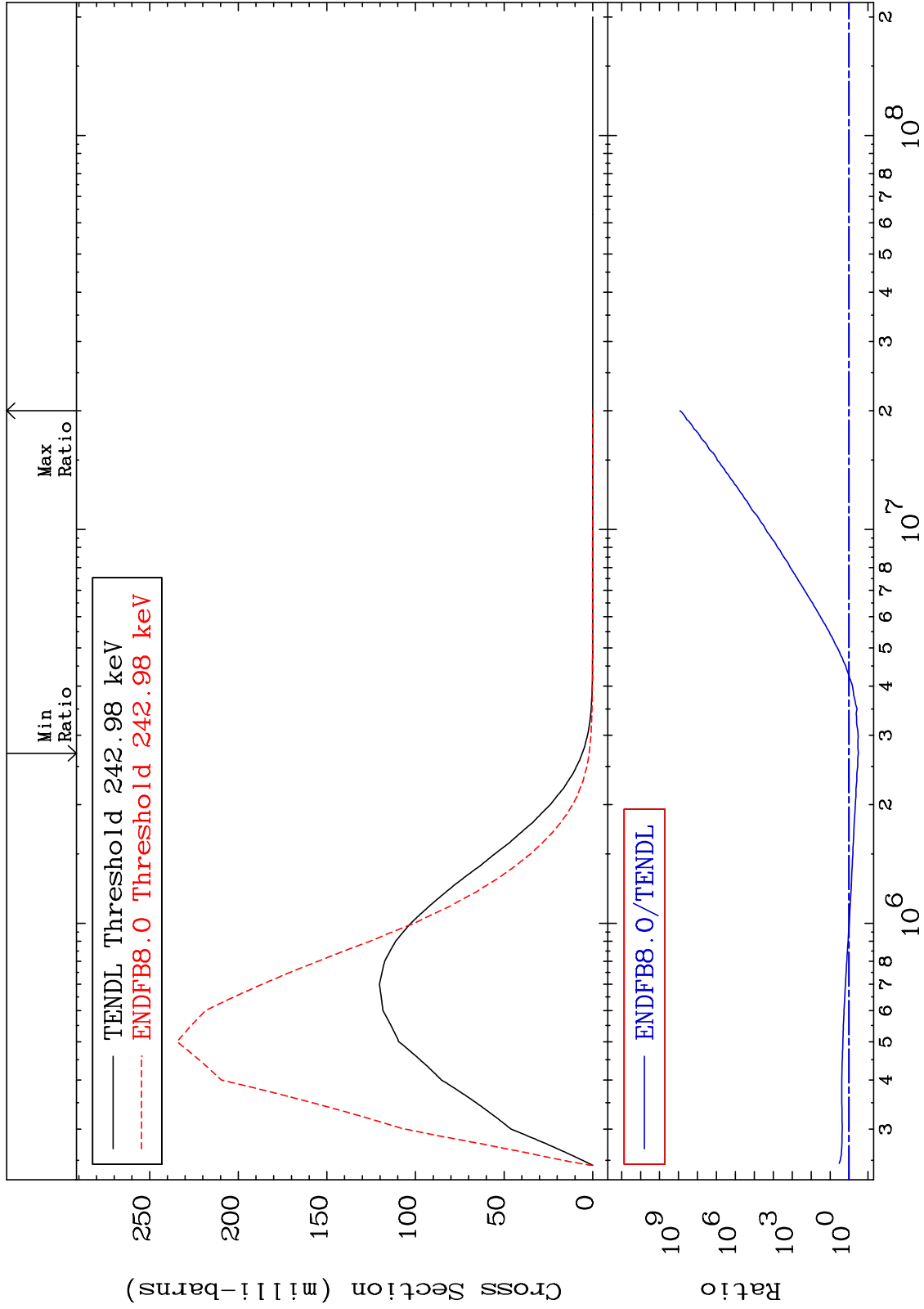
96-Cm-249
-99.31 To 9999. %



MAT 9652

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

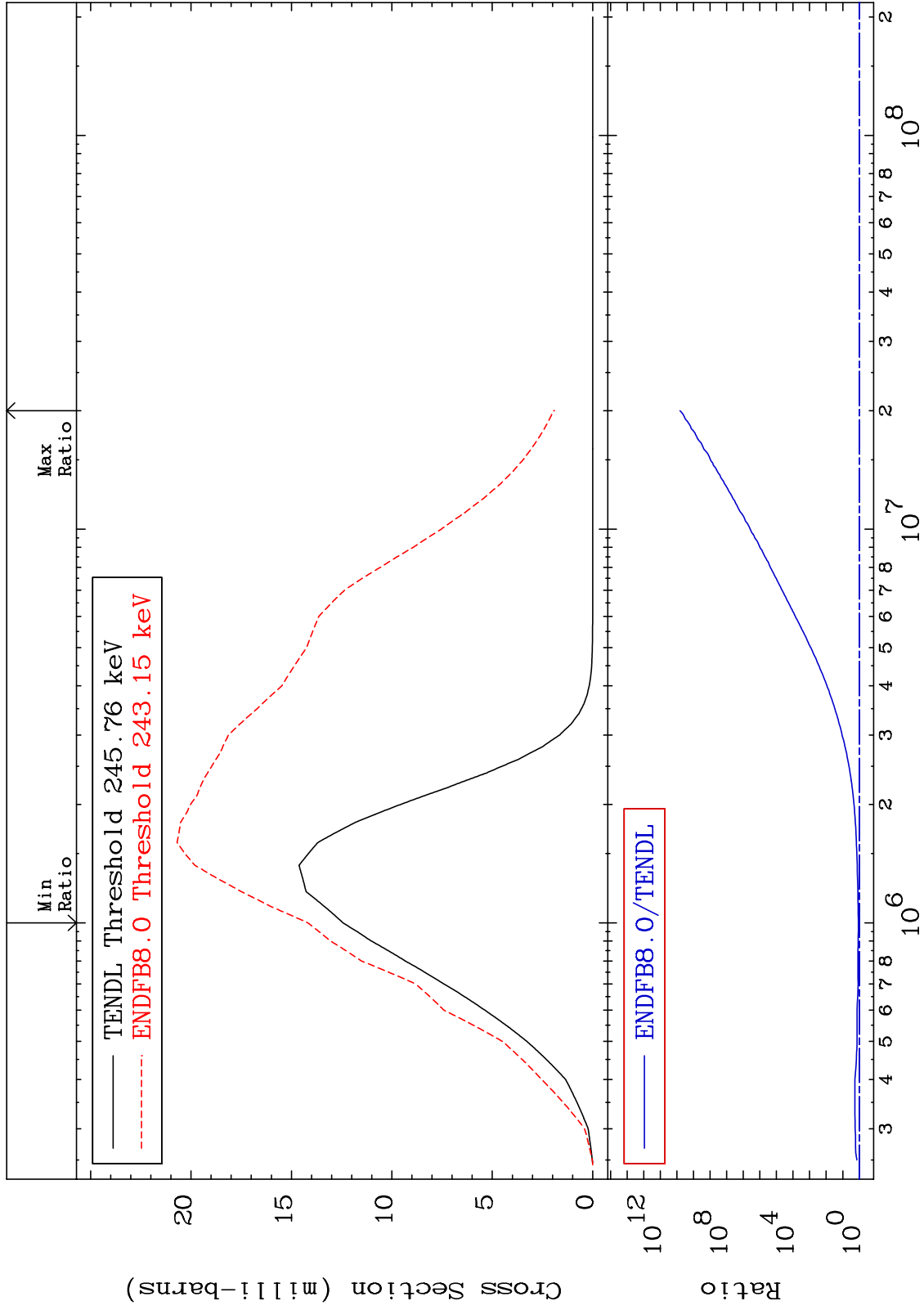
96-Cm-249
-67.77 To 9999. %



MAT 9652

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

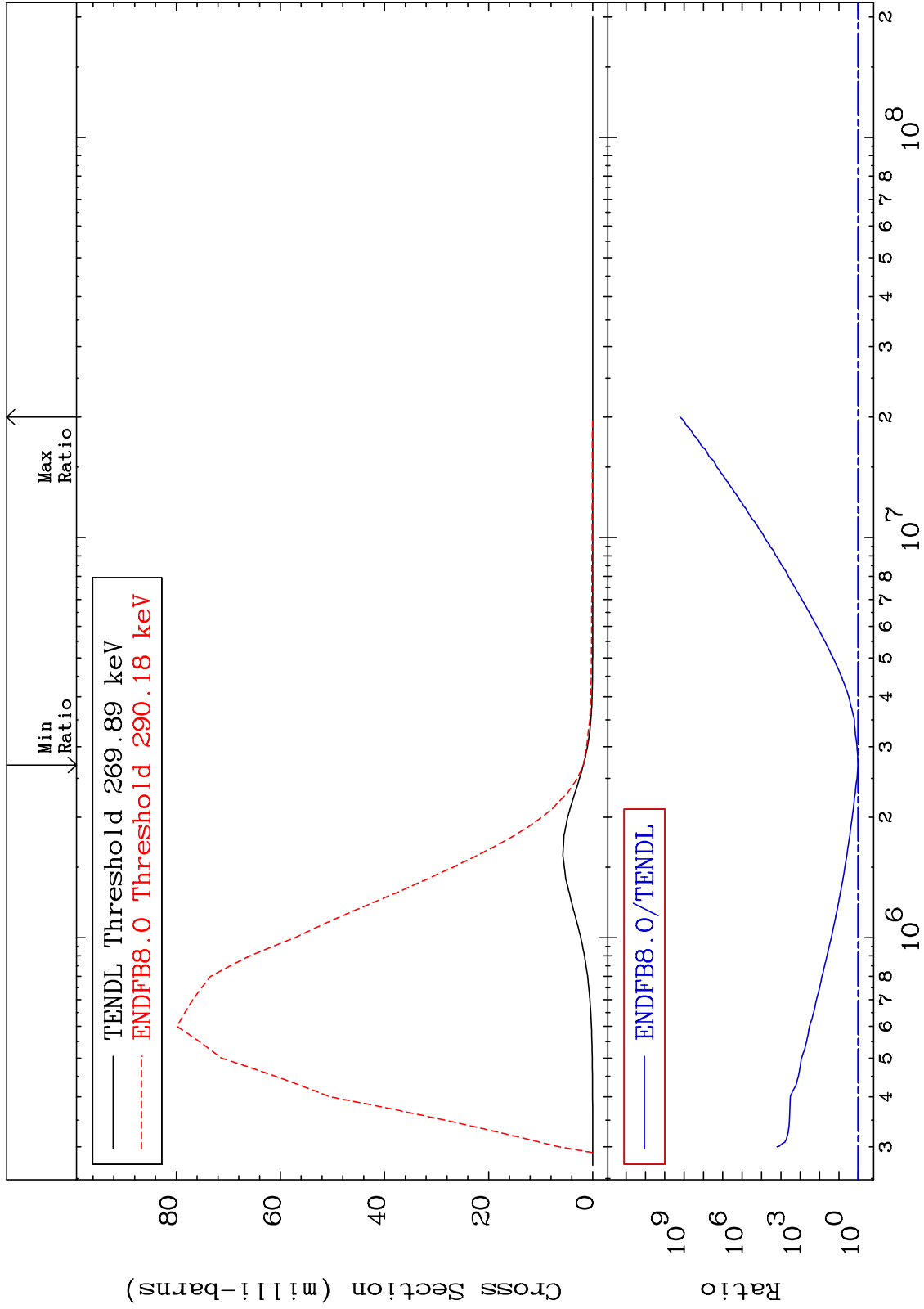
96-Cm-249
14.09 To 9999. %



MAT 9652

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

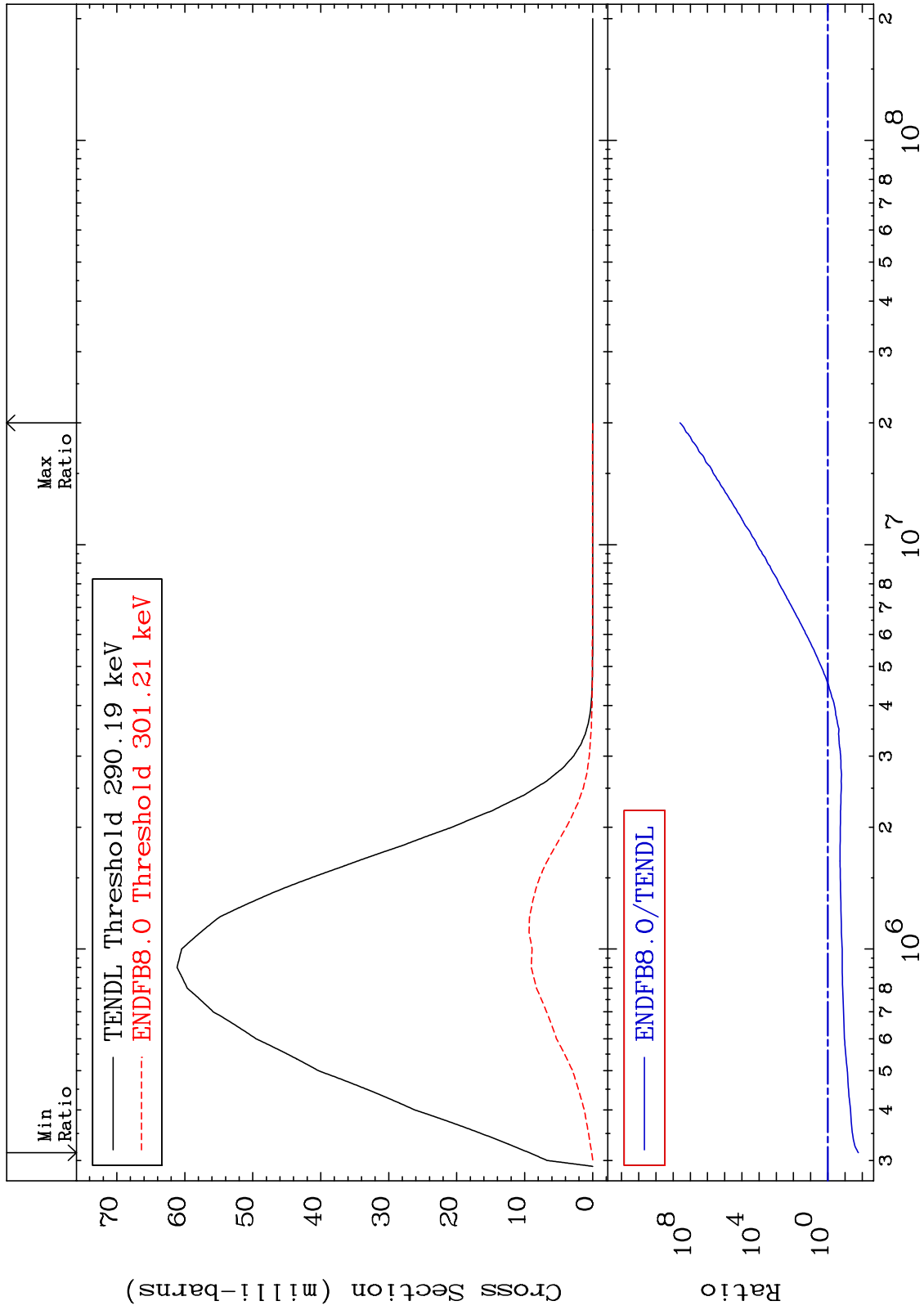
96-Cm-249
-1.881 To 9999. %



MAT 9652

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

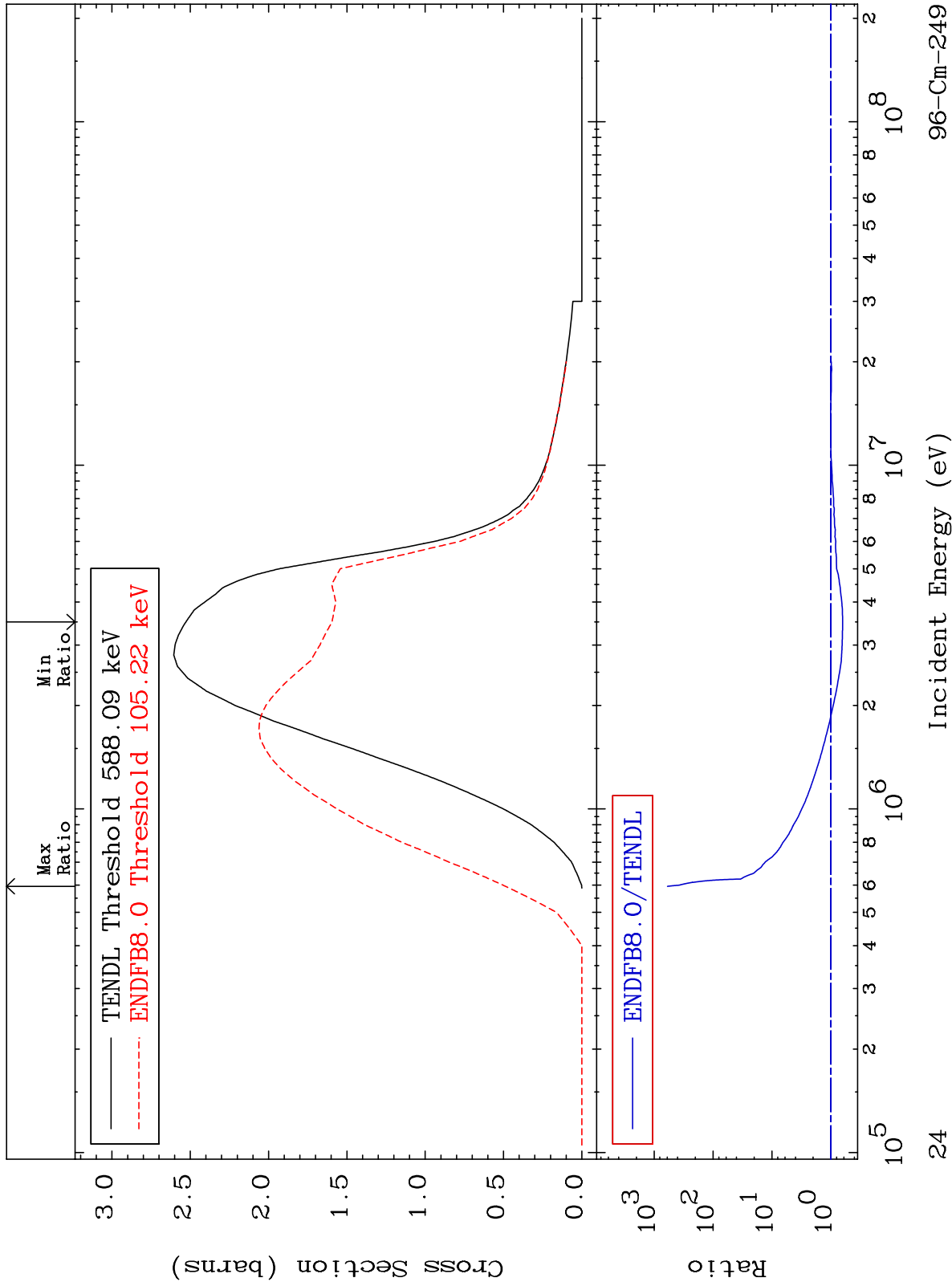
96-Cm-249
-98.33 To 9999. %



MAT 9652

(n, n') Continuum
Cross Section

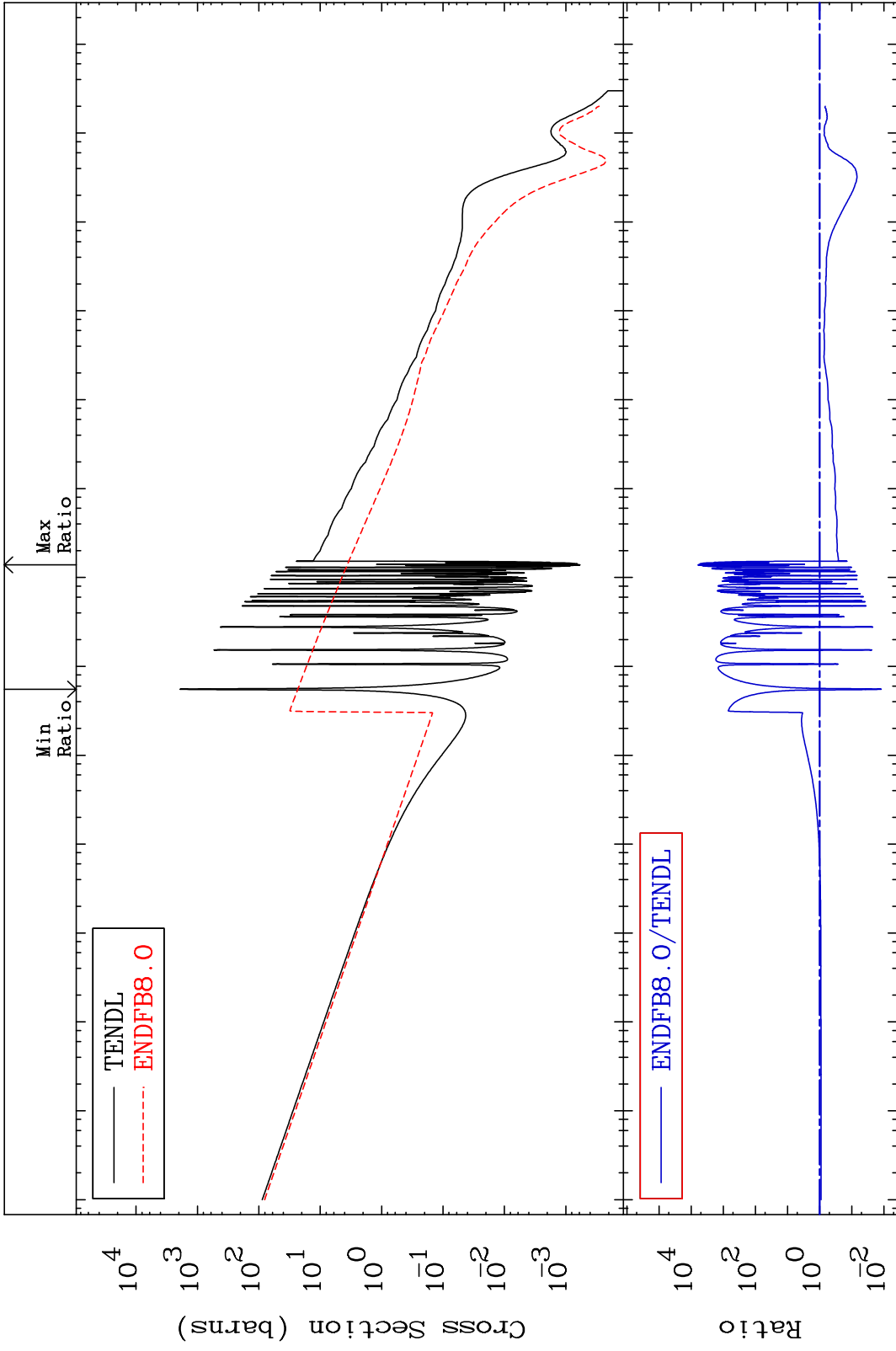
96-Cm-249
-36.91 To 9999. %



MAT 9652

(n, γ)
Cross Section

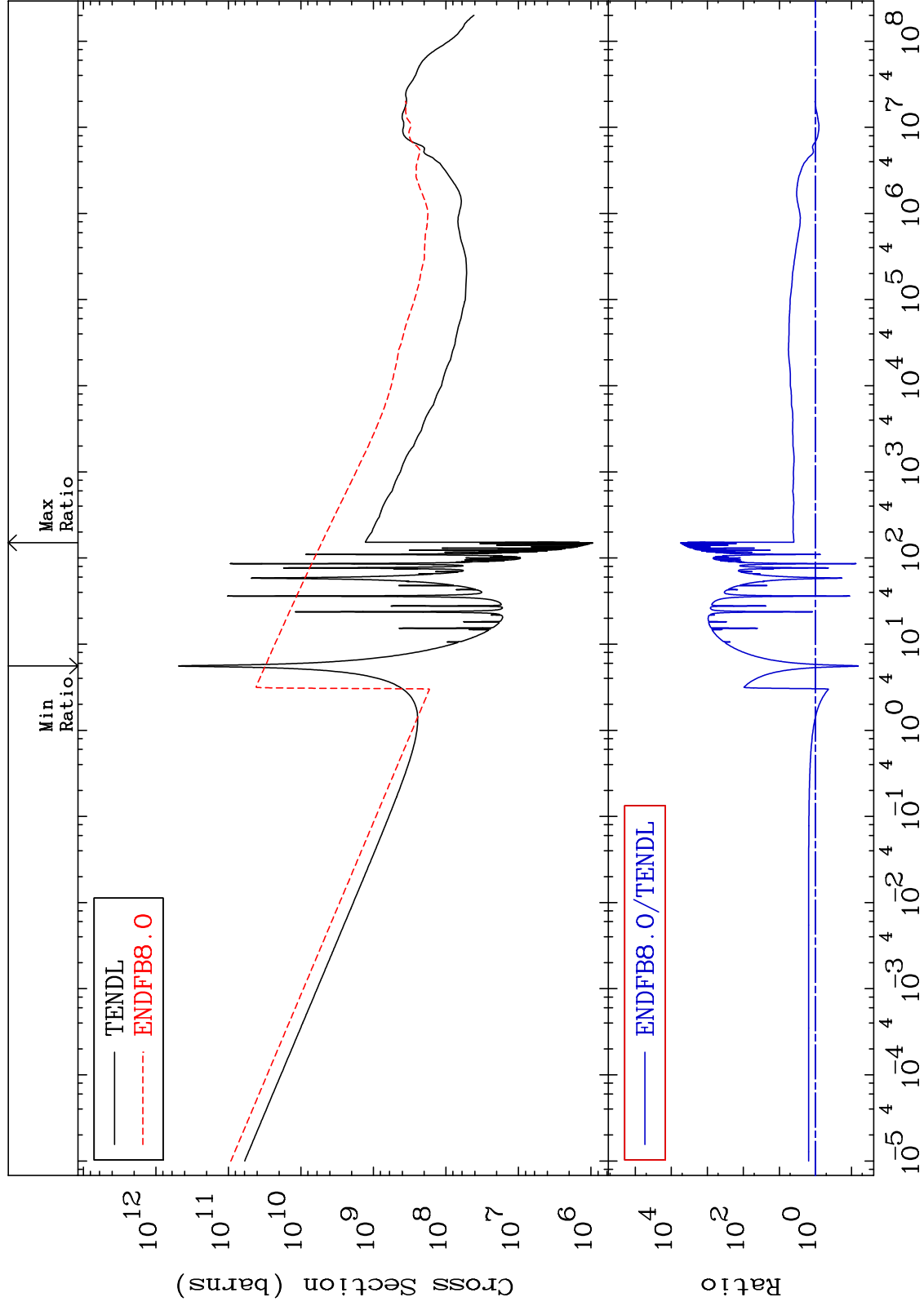
96-Cm-249
-98.80 To 9999. %



MAT 9652

Kerma total (eV-barns)
Cross Section

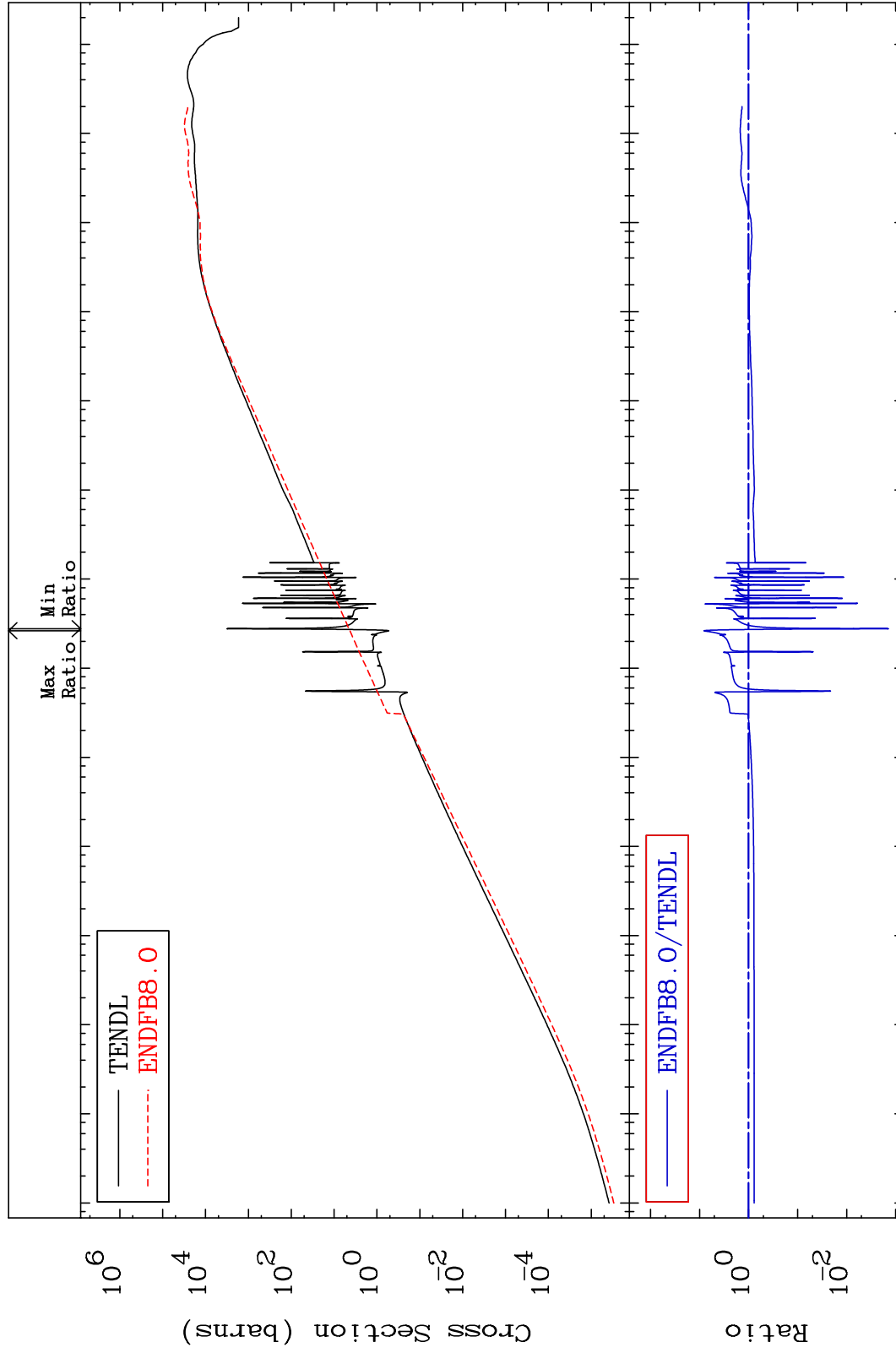
96-Cm-249
-93.65 To 9999. %



MAT 9652

Kerma elastic
Cross Section

96-Cm-249
-99.86 To 714.4 %



27

Incident Energy (eV)

96-Cm-249

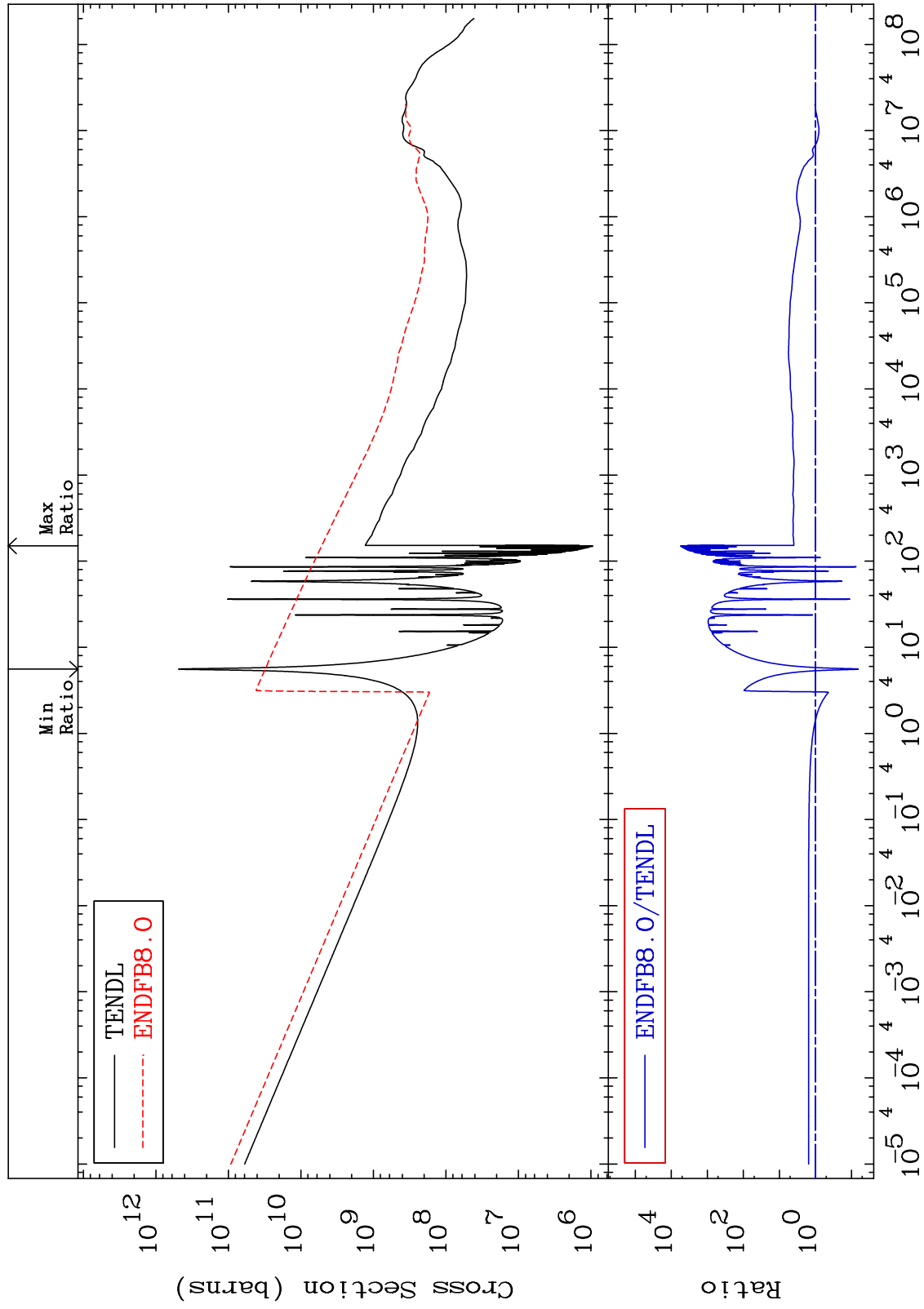
MAT 9652

Kerma non-elastic (all but mt2)

96-Cm-249

-93.65 To 9999. %

Cross Section



28

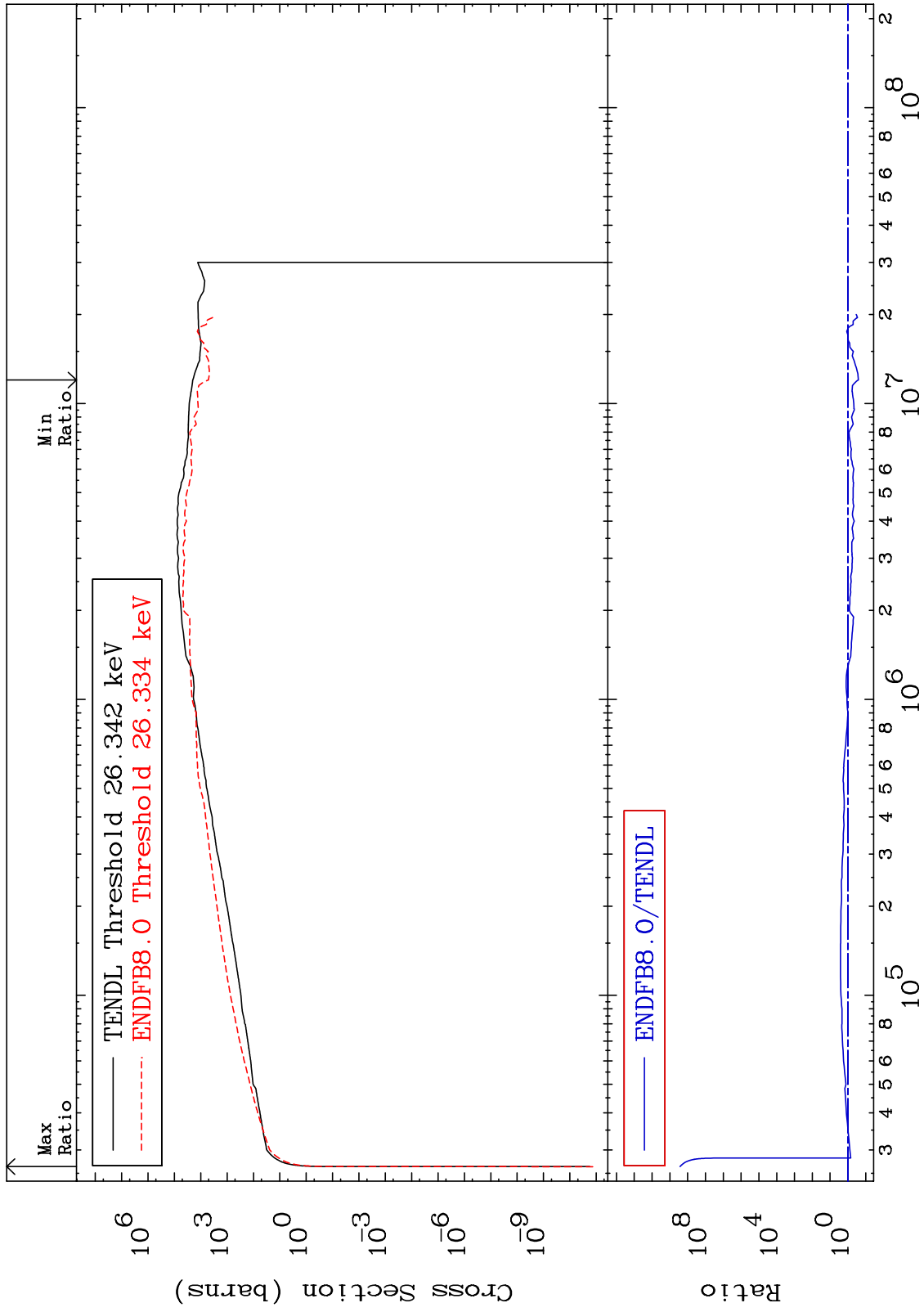
Incident Energy (eV)

96-Cm-249

MAT 9652

Kerma inelastic (mt51-91)
Cross Section

96-Cm-249
-74.23 To 9999. %



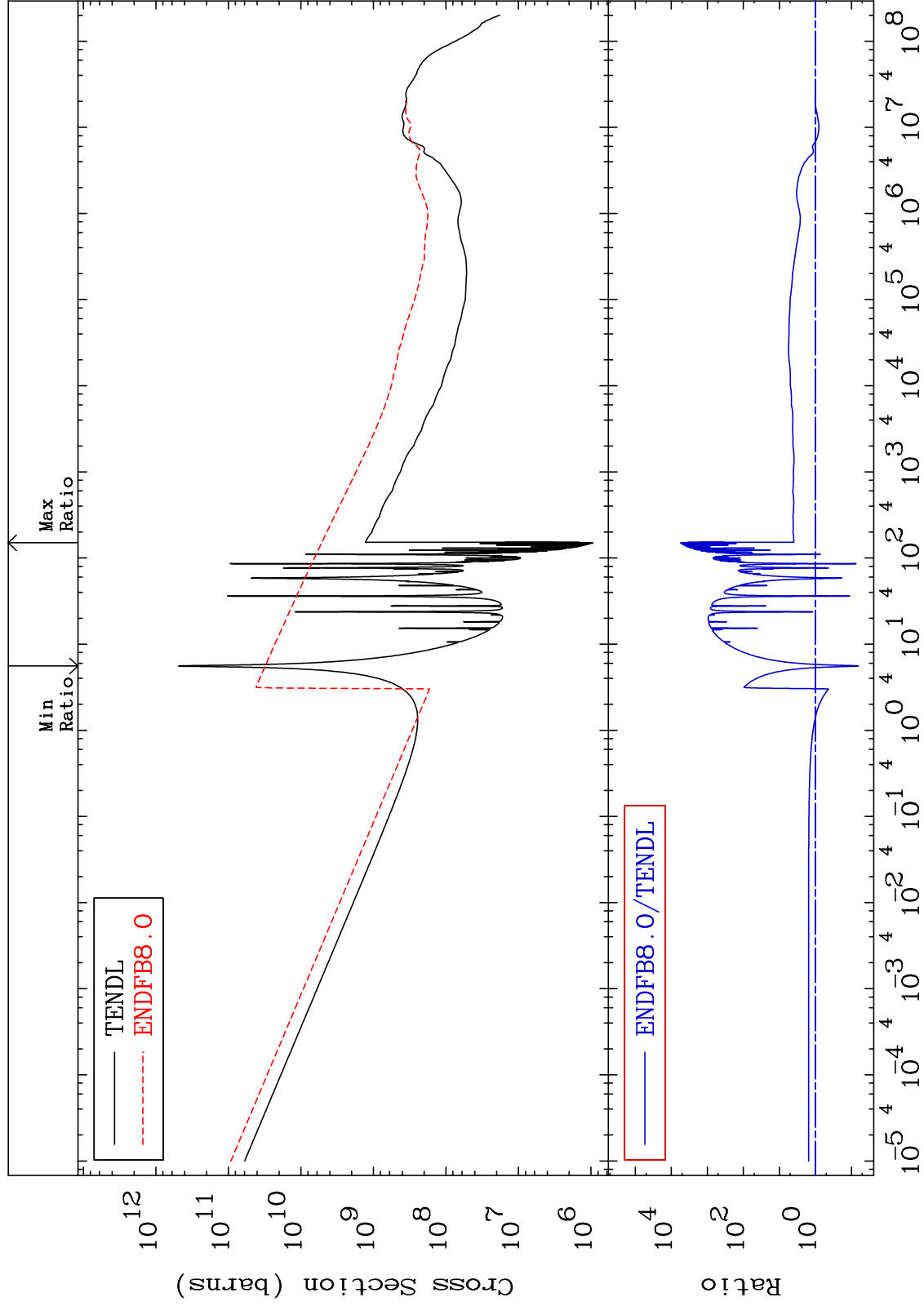
MAT 9652

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

96-Cm-249

-93.65 To 9999. %

Cross Section



30

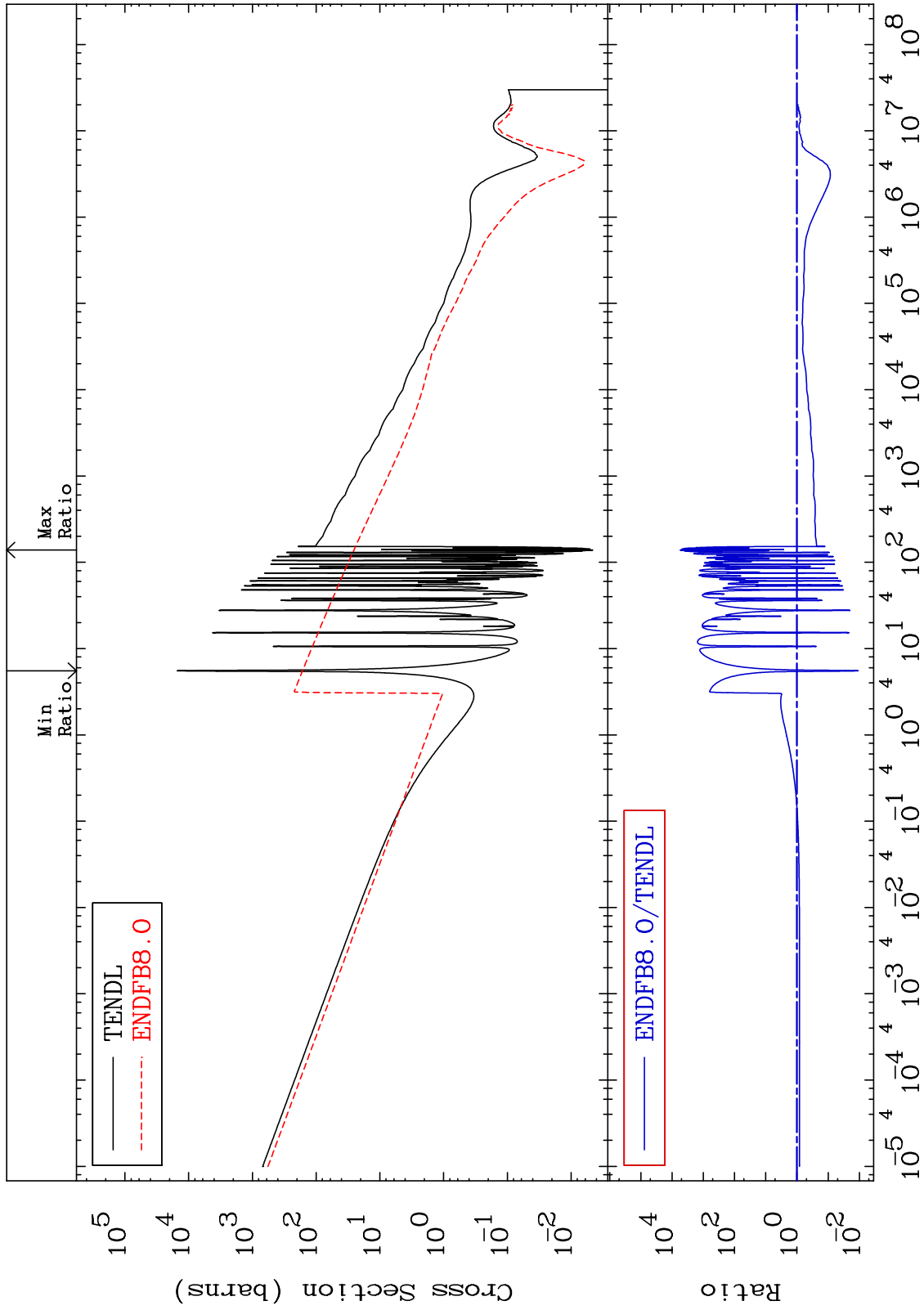
Incident Energy (eV)

96-Cm-249

MAT 9652

Kerma capture (mt102)
Cross Section

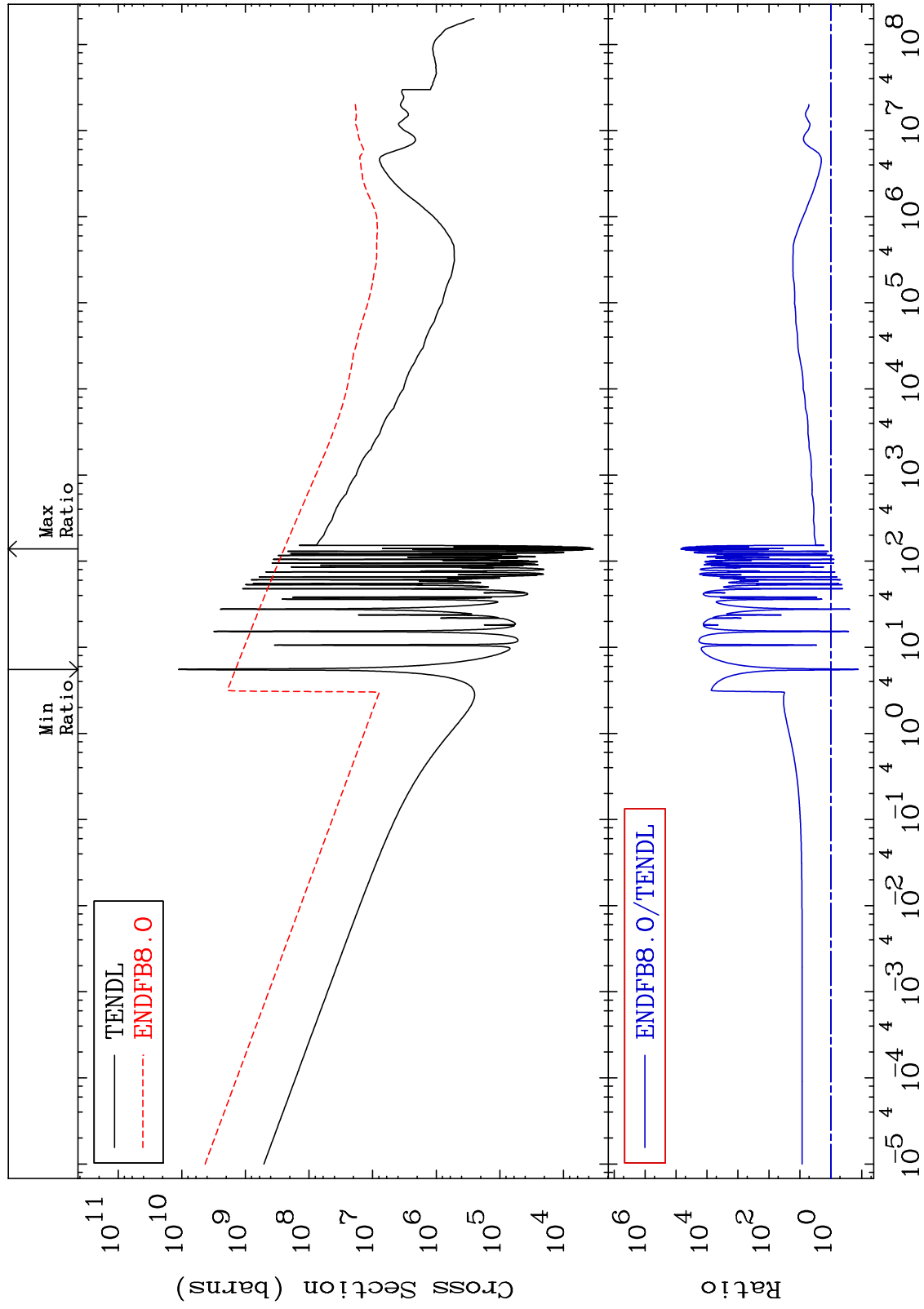
96-Cm-249
-98.93 To 9999. %



MAT 9652

Total photon (eV-barns)
Cross Section

96-Cm-249
-87.34 To 9999. %



32

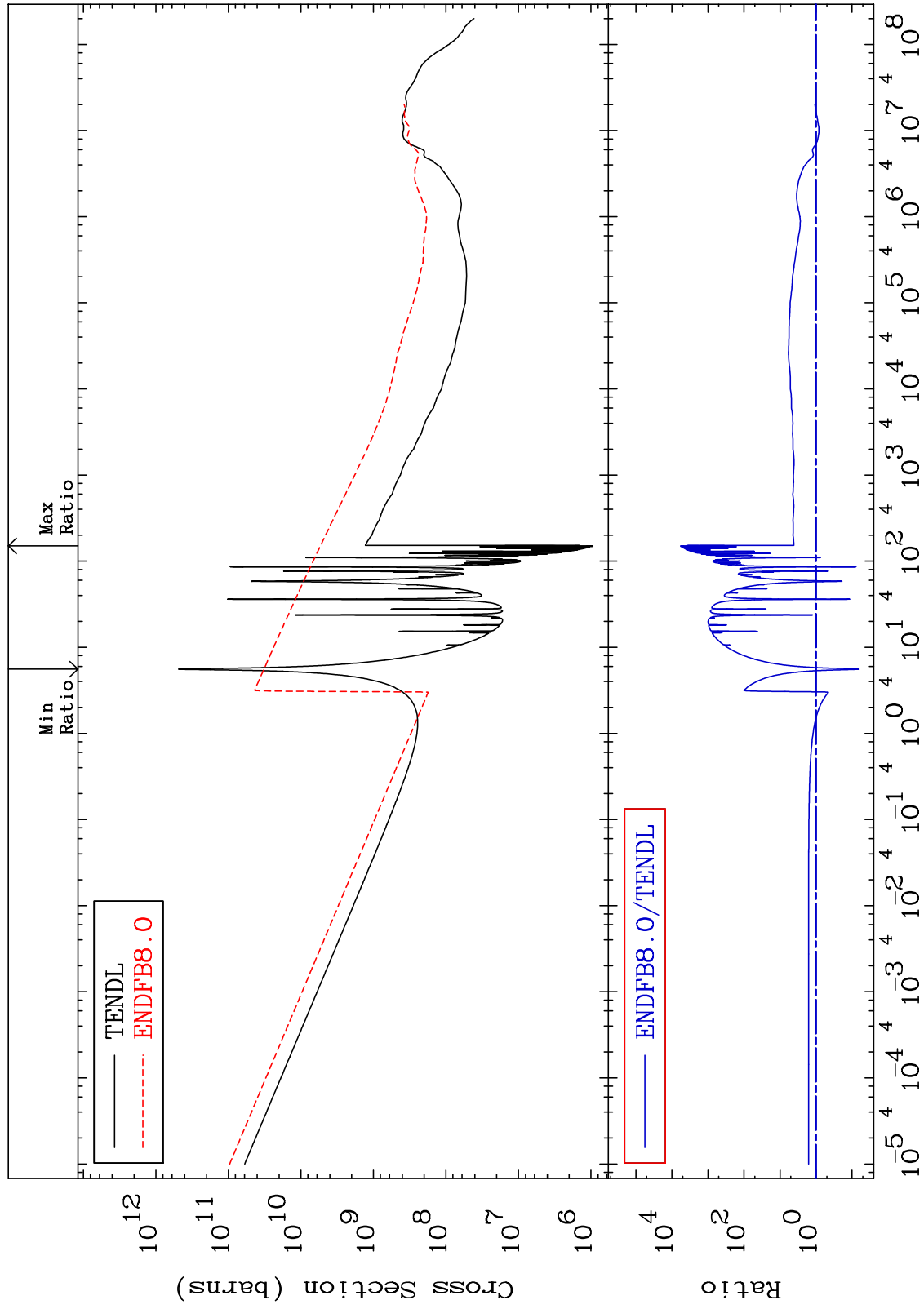
Incident Energy (eV)

96-Cm-249

MAT 9652

Total kinematic kerma (high limit)
Cross Section

96-Cm-249
-93.39 To 9999. %



33

Incident Energy (eV)

96-Cm-249

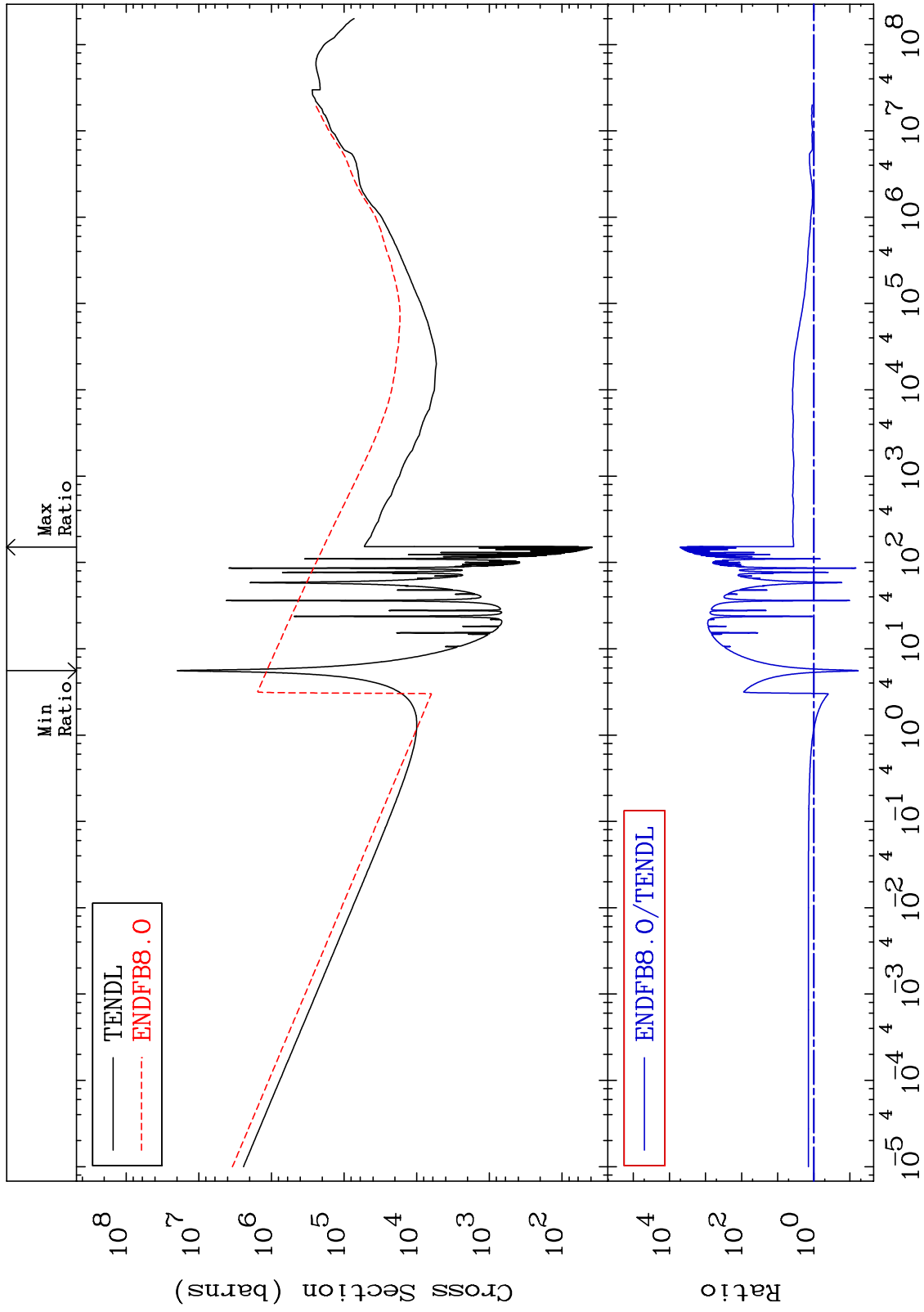
MAT 9652

Dpa total (eV-barns)

96-Cm-249

-94.19 To 9999. %

Cross Section



34

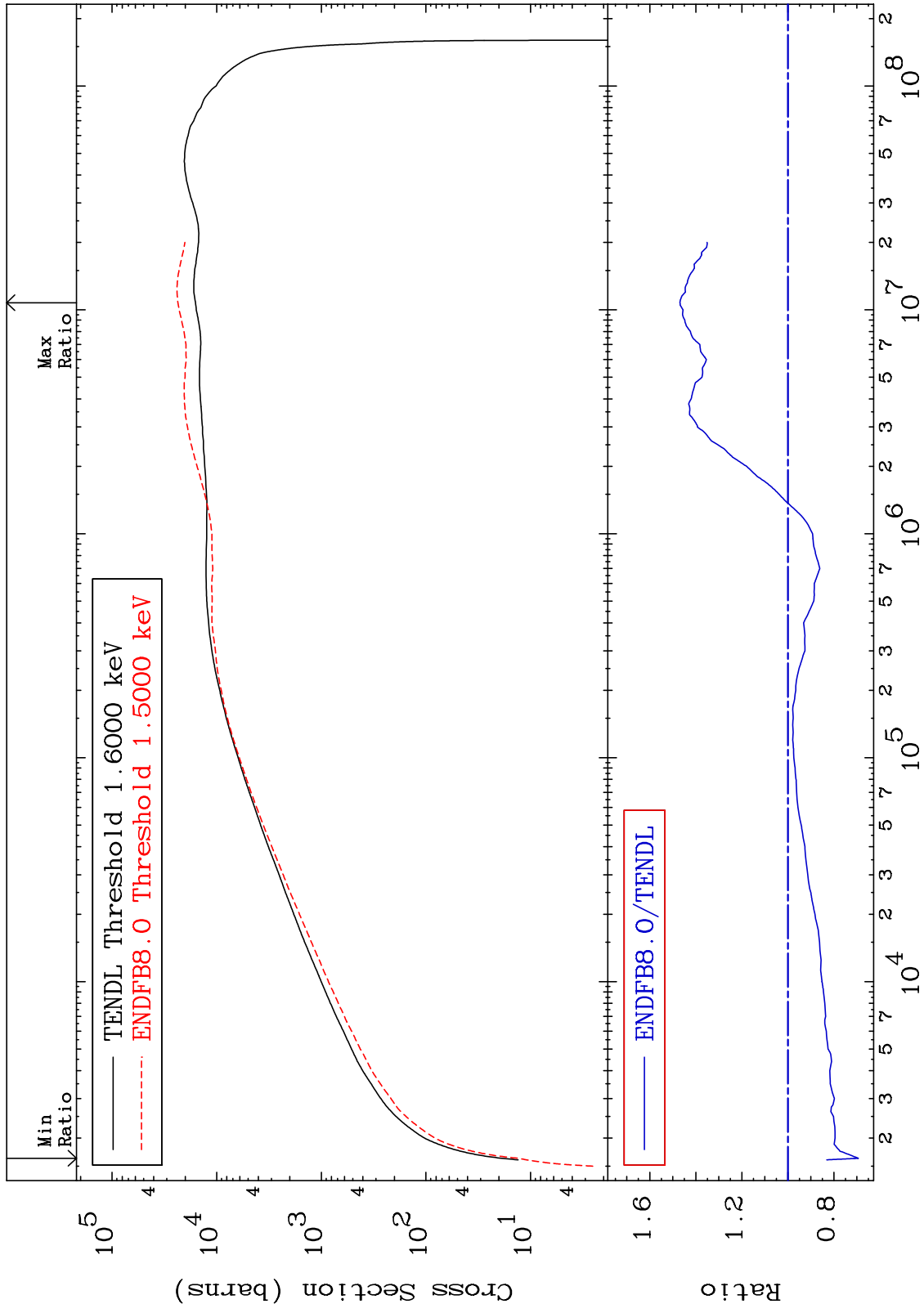
Incident Energy (eV)

96-Cm-249

MAT 9652

Dpa elastic (mt2)
Cross Section

96-Cm-249
-30.65 To 46.88 %



35

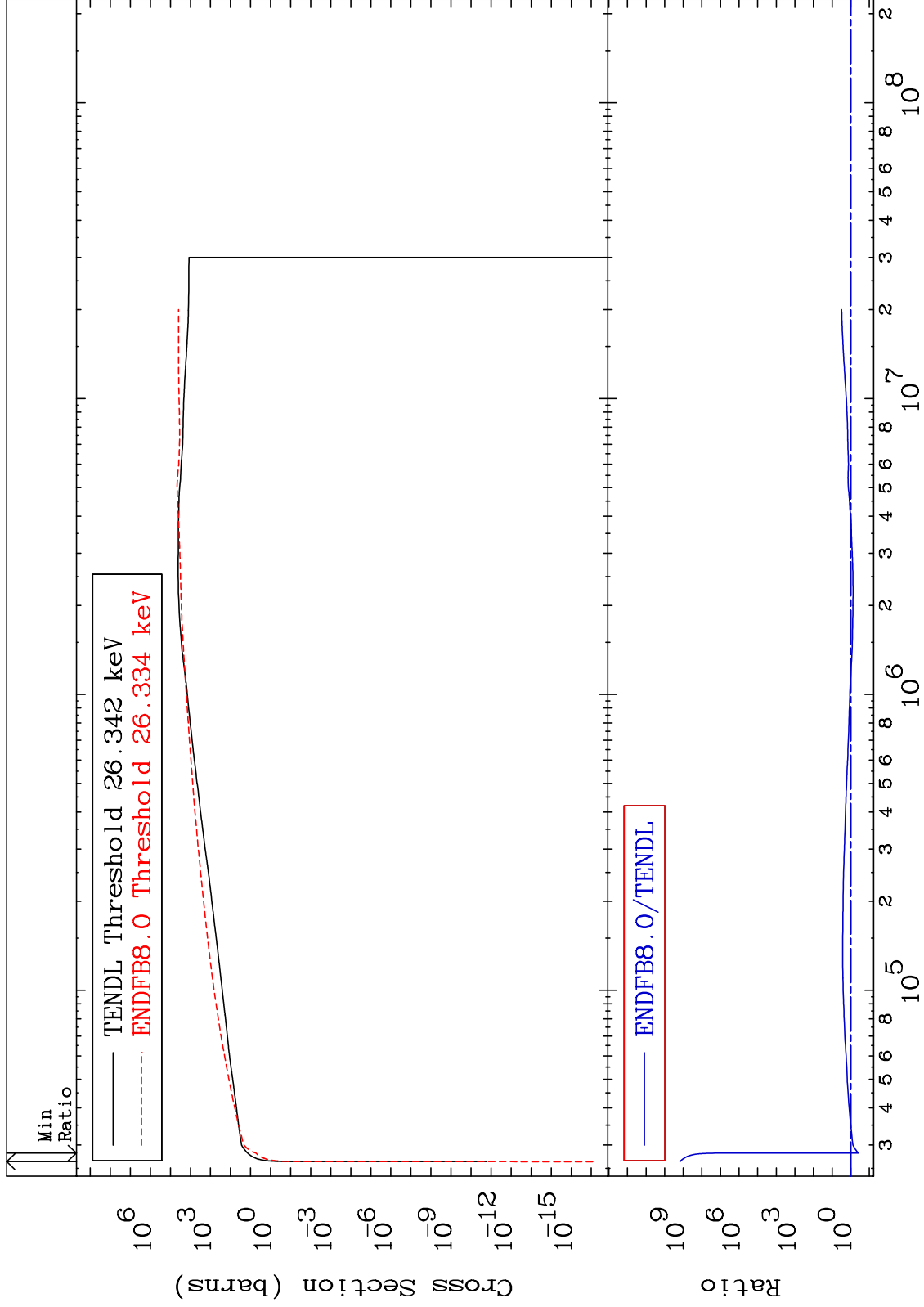
Incident Energy (eV)

96-Cm-249

MAT 9652

Dpa inelastic (mt51-91)
Cross Section

96-Cm-249
-61.30 To 9999. %



MAT 9652

Dpa disappearance (mt102 -120)
Cross Section

96-Cm-249
-99.99 To 9999. %

